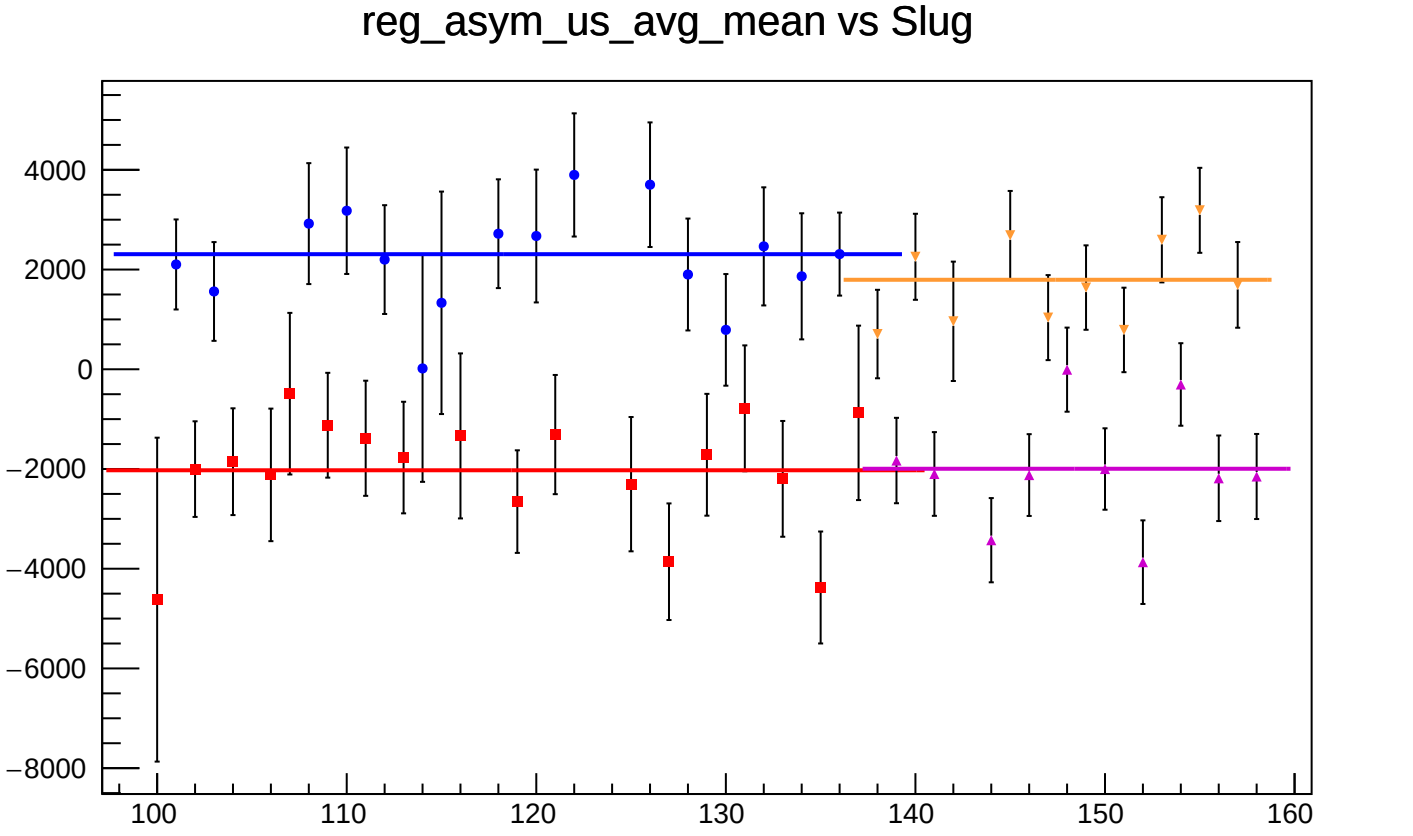


Right In: 2308.155+/-290.431 χ^2/NDF: 7.8/15

Left Out: 1794.891+/-279.059 χ^2/NDF:9.1/9

Right Out: -2025.627+/-289.797 χ^2/NDF: 11.9/17

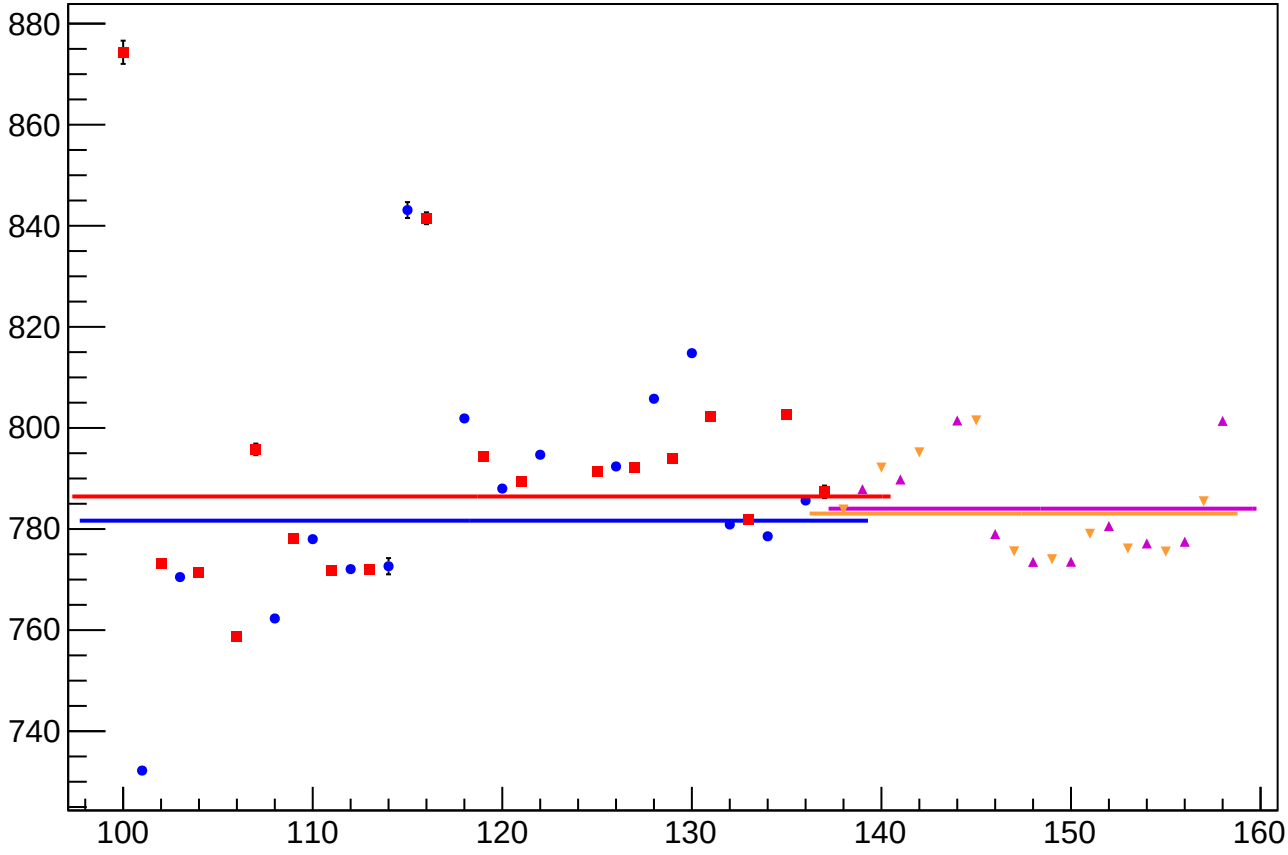
Left In: -1995.394+/-265.459 χ^2/NDF:17.8/9

+ sign 2041.277+/-201.225 χ^2/NDF: 18.5/25

All: -39.831+/-140.311 χ^2/NDF: 256.4/53

- sign -2009.188+/-195.748 χ^2/NDF: 29.7/27

reg_asym_us_avg_rms vs Slug



Right In: 781.654+/-0.205 χ^2/NDF: 12319.0/15

Left Out: 783.057+/-0.197 χ^2/NDF:2016.5/9

Right Out: 786.443+/-0.205 χ^2/NDF: 7201.6/17

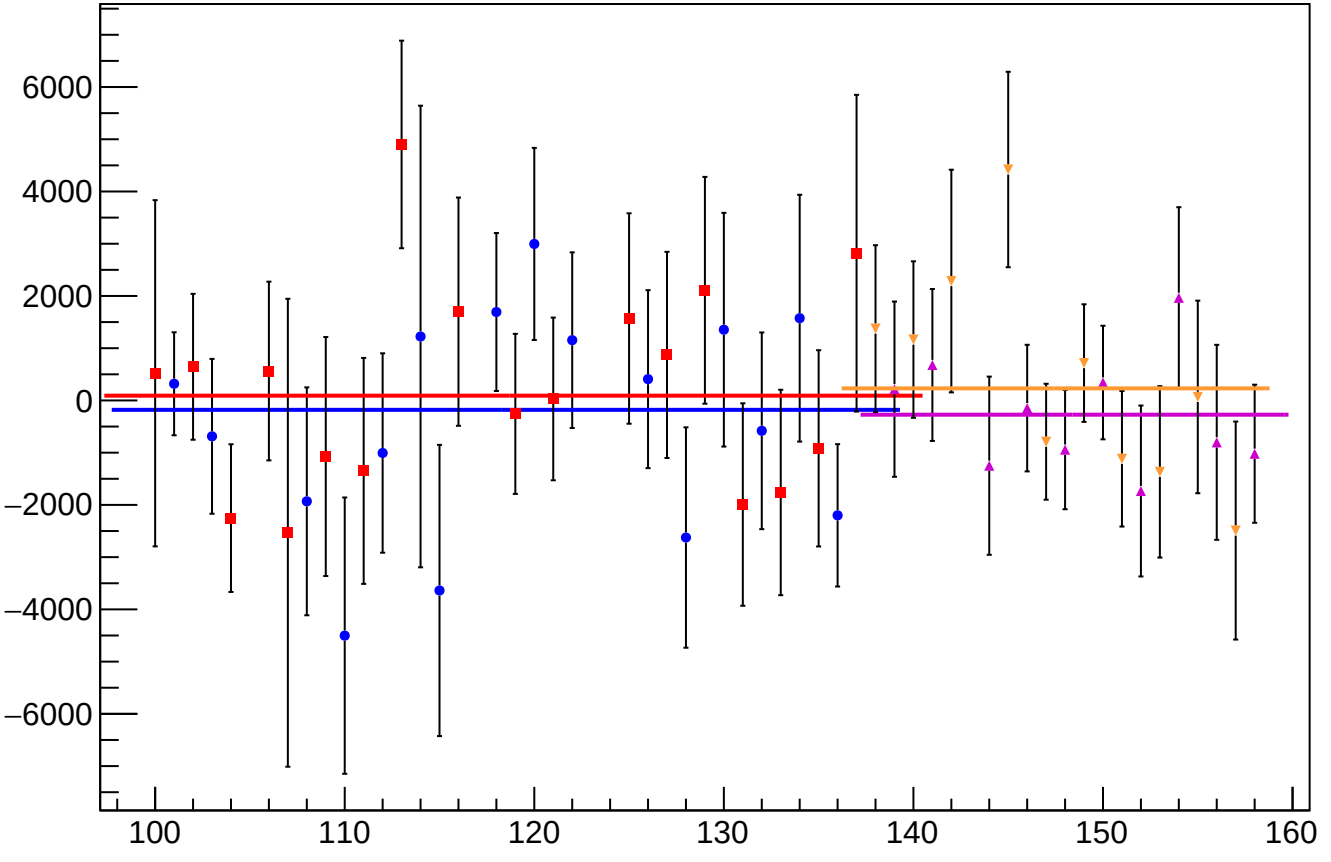
Left In: 784.029+/-0.188 χ^2/NDF:2823.0/9

+ sign 782.384+/-0.142 χ^2/NDF: 14359.8/25

All: 783.795+/-0.099 χ^2/NDF: 24651.4/53

- sign 785.130+/-0.138 χ^2/NDF: 10100.1/27

asym_us_avg_reg_correction_mean vs Slug



Right In: -179.929+/-440.772 χ^2/NDF: 15.4/15

Left Out: 230.962+/-474.850 χ^2/NDF:11.6/9

Right Out: 91.288+/-454.811 χ^2/NDF: 15.2/17

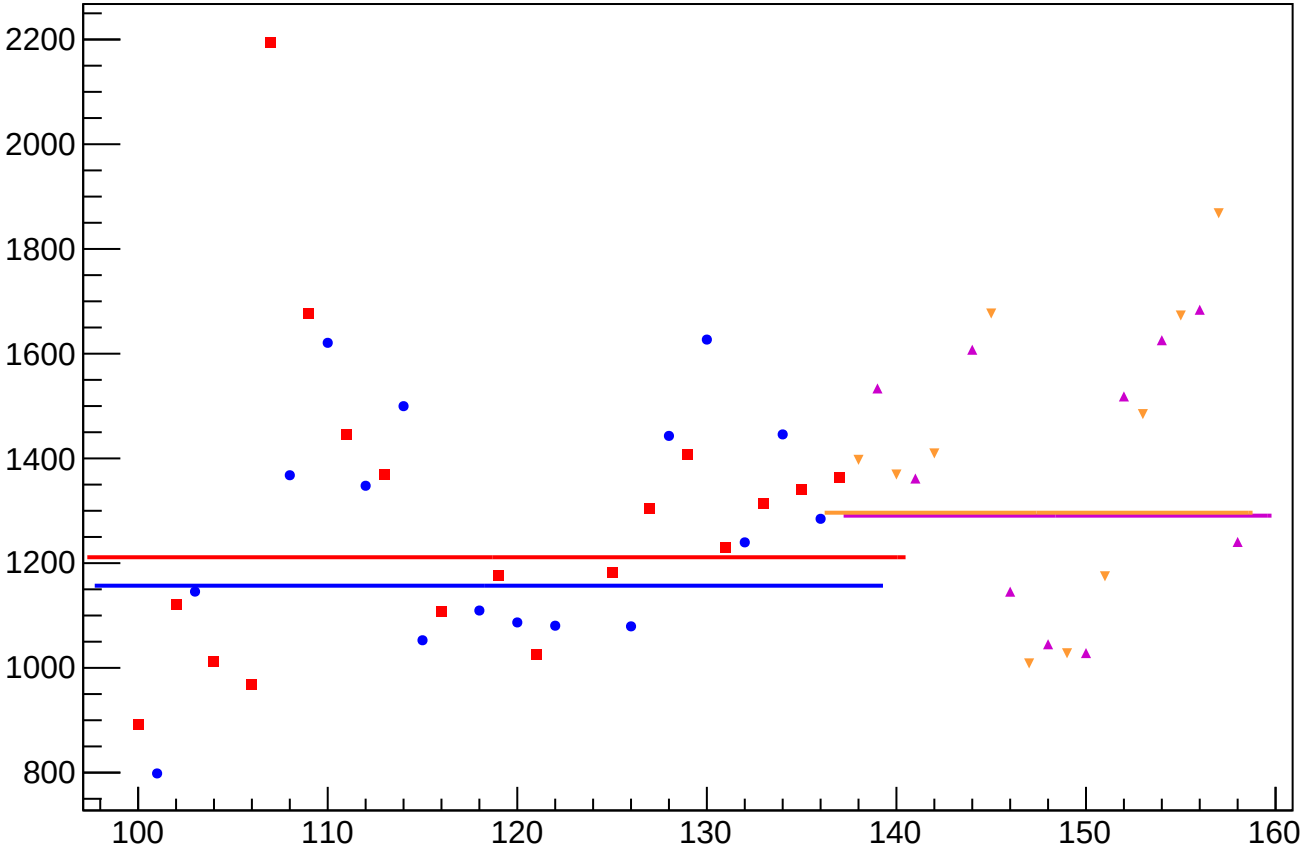
Left In: -272.885+/-445.768 χ^2/NDF:4.4/9

+ sign 10.245+/-323.049 χ^2/NDF: 27.4/25

All: -42.871+/-226.752 χ^2/NDF: 47.4/53

- sign -94.455+/-318.355 χ^2/NDF: 19.9/27

asym_us_avg_reg_correction_rms vs Slug



Right In: 1156.948+/-0.312 χ^2/NDF: 569119.8/15

Left Out: 1296.332+/-0.336 χ^2/NDF:626891.8/9

Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

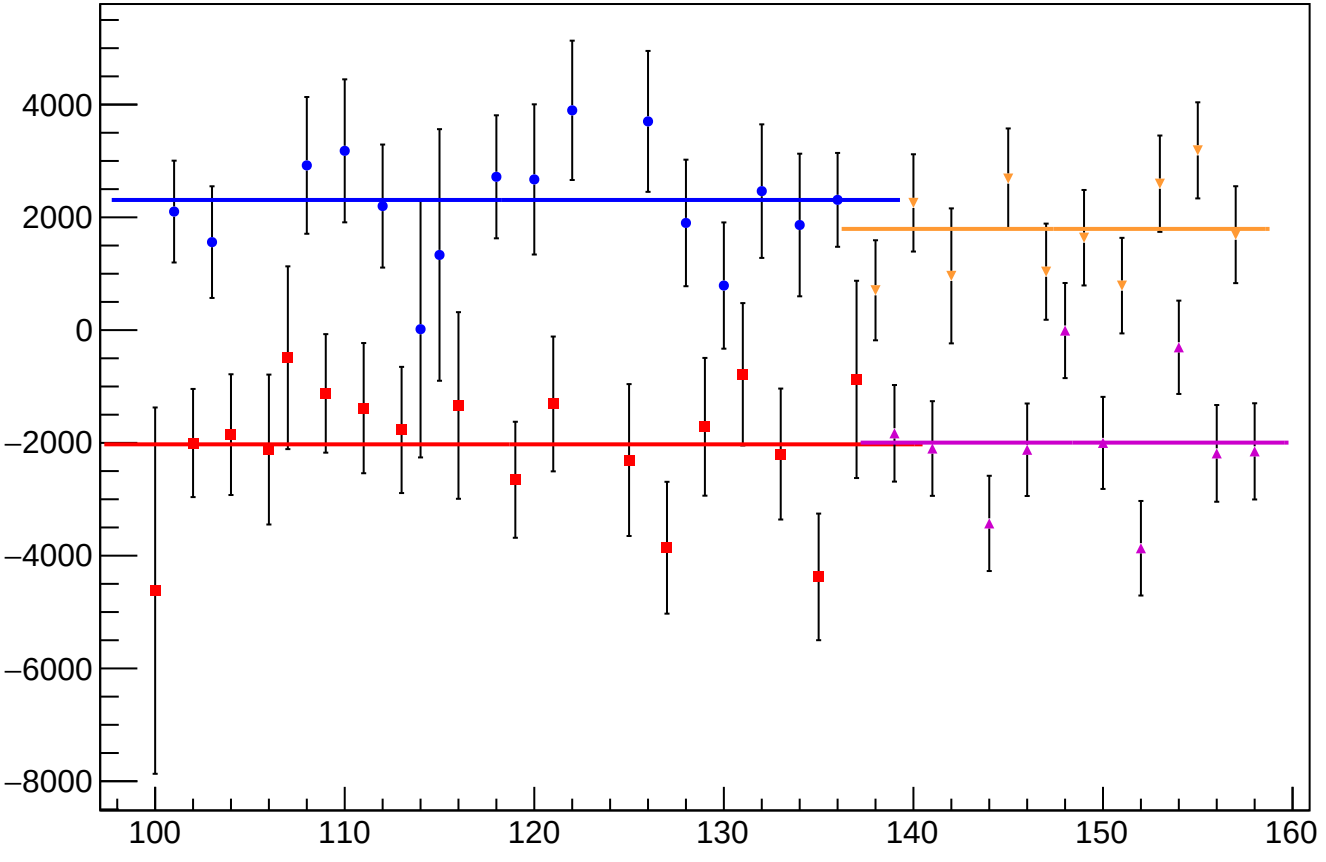
Left In: 1290.690+/-0.315 χ^2/NDF:558579.5/9

+ sign 1221.459+/-0.228 χ^2/NDF: 1288577.6/25

All: 1236.839+/-0.160 χ^2/NDF: 2284916.4/53

- sign 1251.774+/-0.225 χ^2/NDF: 987404.0/27

cor_asym_us_avg_mean vs Slug



Right In: 2308.155+/-290.431 χ^2/NDF: 7.8/15

Left Out: 1794.891+/-279.059 χ^2/NDF:9.1/9

Right Out: -2025.627+/-289.797 χ^2/NDF: 11.9/17

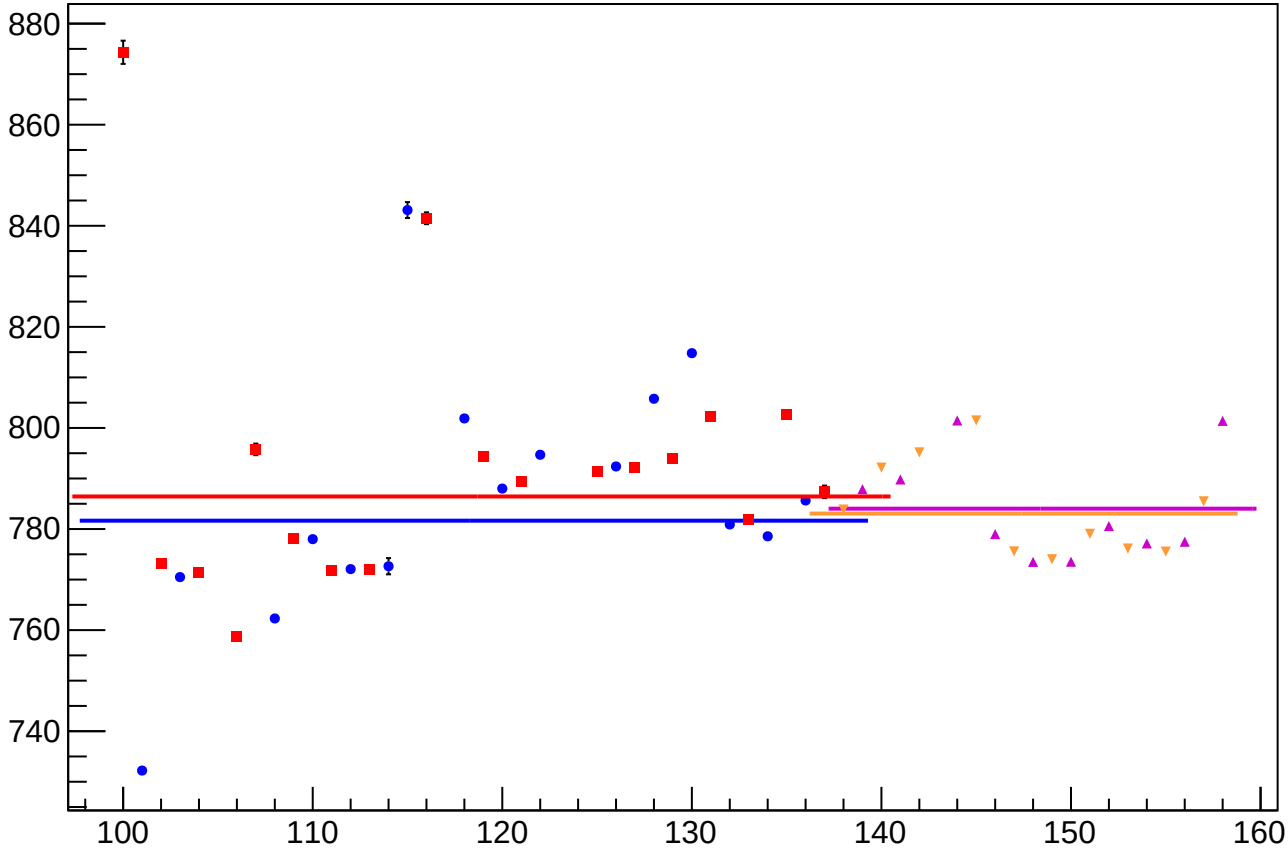
Left In: -1995.394+/-265.459 χ^2/NDF:17.8/9

+ sign 2041.277+/-201.225 χ^2/NDF: 18.5/25

All: -39.831+/-140.311 χ^2/NDF: 256.4/53

- sign -2009.188+/-195.748 χ^2/NDF: 29.7/27

cor_asym_us_avg_rms vs Slug



Right In: 781.654+/-0.205 χ^2/NDF: 12319.0/15

Left Out: 783.057+/-0.197 χ^2/NDF:2016.5/9

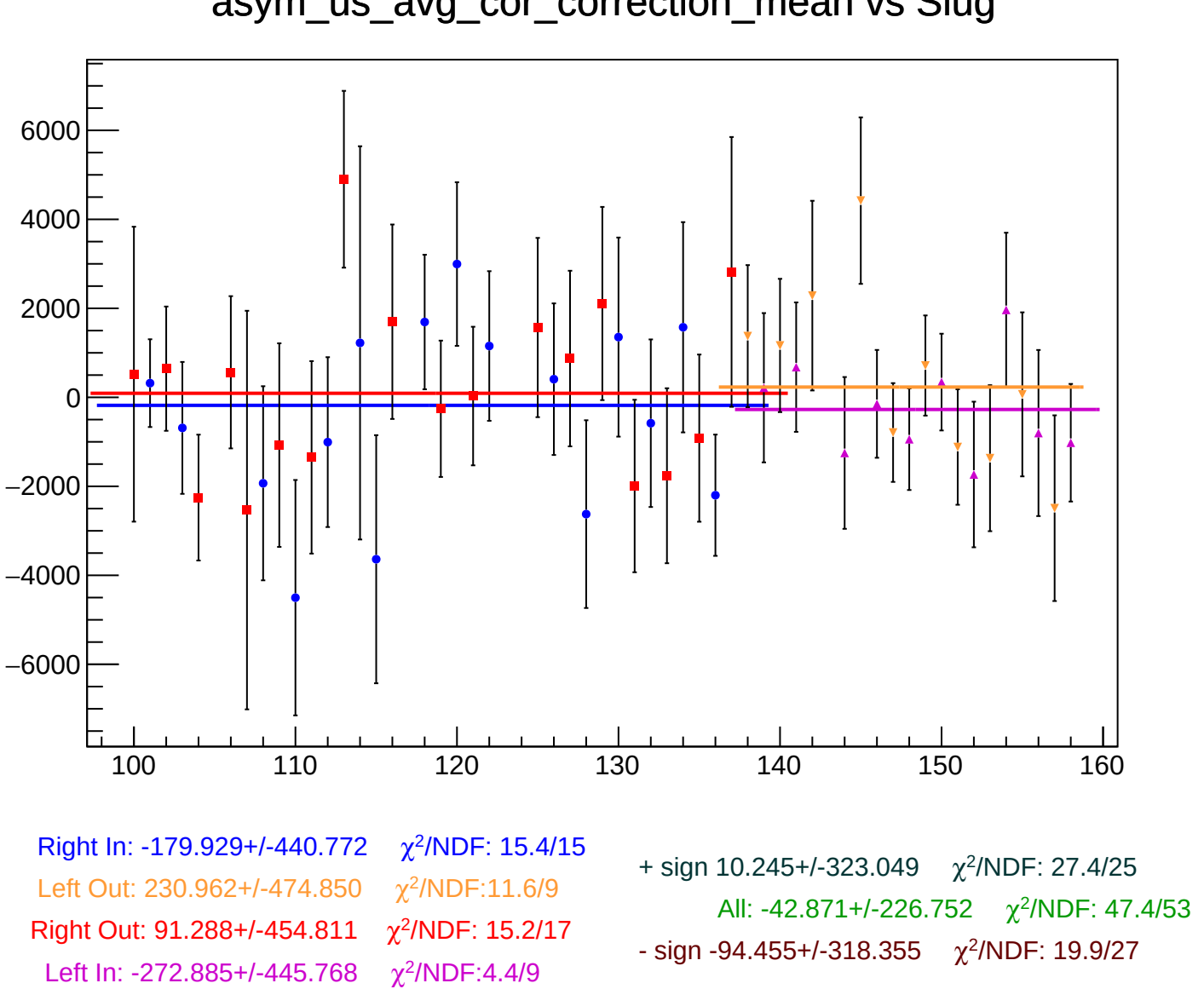
Right Out: 786.443+/-0.205 χ^2/NDF: 7201.6/17

Left In: 784.029+/-0.188 χ^2/NDF:2823.0/9

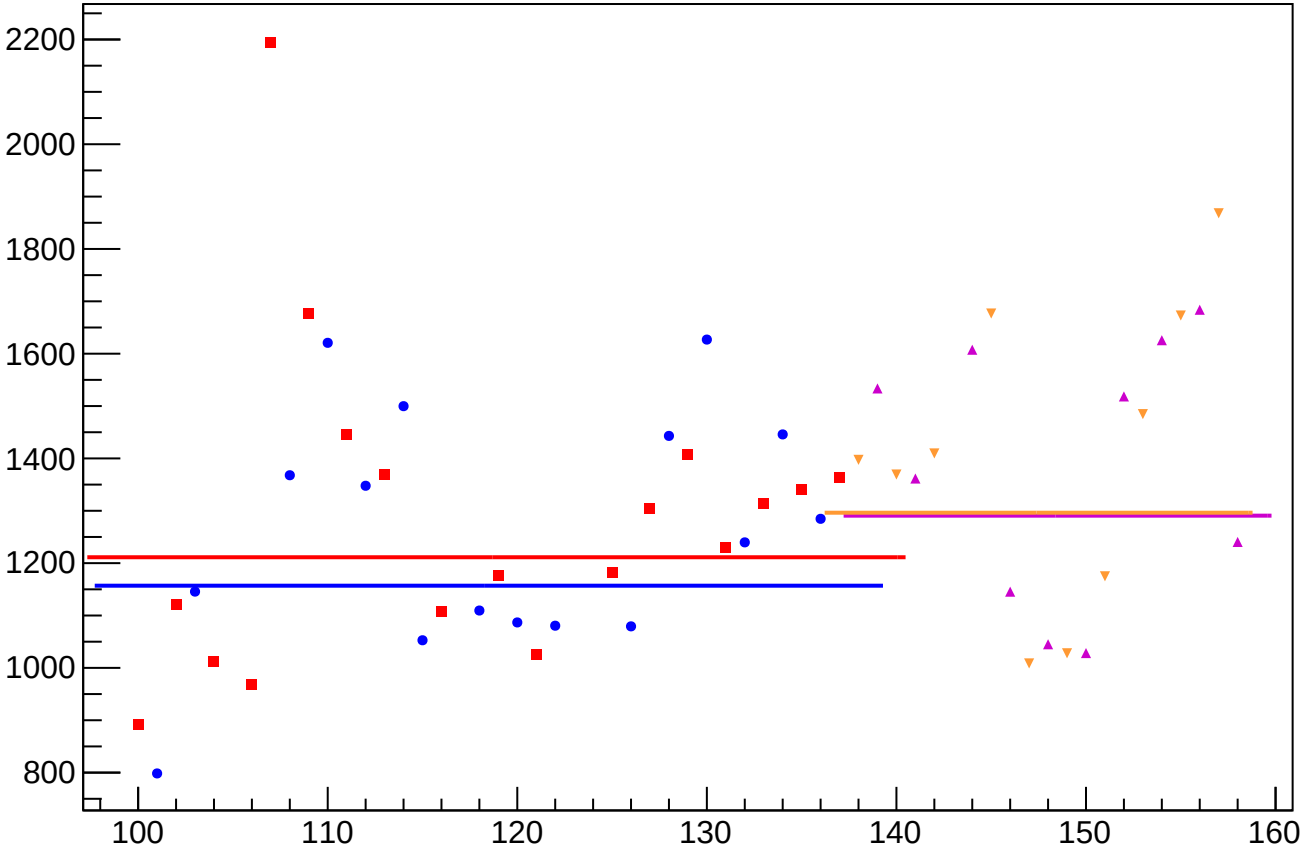
+ sign 782.384+/-0.142 χ^2/NDF: 14359.8/25

All: 783.795+/-0.099 χ^2/NDF: 24651.4/53

- sign 785.130+/-0.138 χ^2/NDF: 10100.1/27


asym_us_avg_cor_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: -179.929+/-440.772 χ²/NDF: 15.4/15
Left Out: 230.962+/-474.850 χ²/NDF:11.6/9
Right Out: 91.288+/-454.811 χ²/NDF: 15.2/17
Left In: -272.885+/-445.768 χ²/NDF:4.4/9
+ sign 10.245+/-323.049 χ²/NDF: 27.4/25
All: -42.871+/-226.752 χ²/NDF: 47.4/53
- sign -94.455+/-318.355 χ²/NDF: 19.9/27

asym_us_avg_cor_correction_rms vs Slug



Right In: 1156.948+/-0.312 χ^2/NDF: 569119.8/15

Left Out: 1296.332+/-0.336 χ^2/NDF:626891.8/9

Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

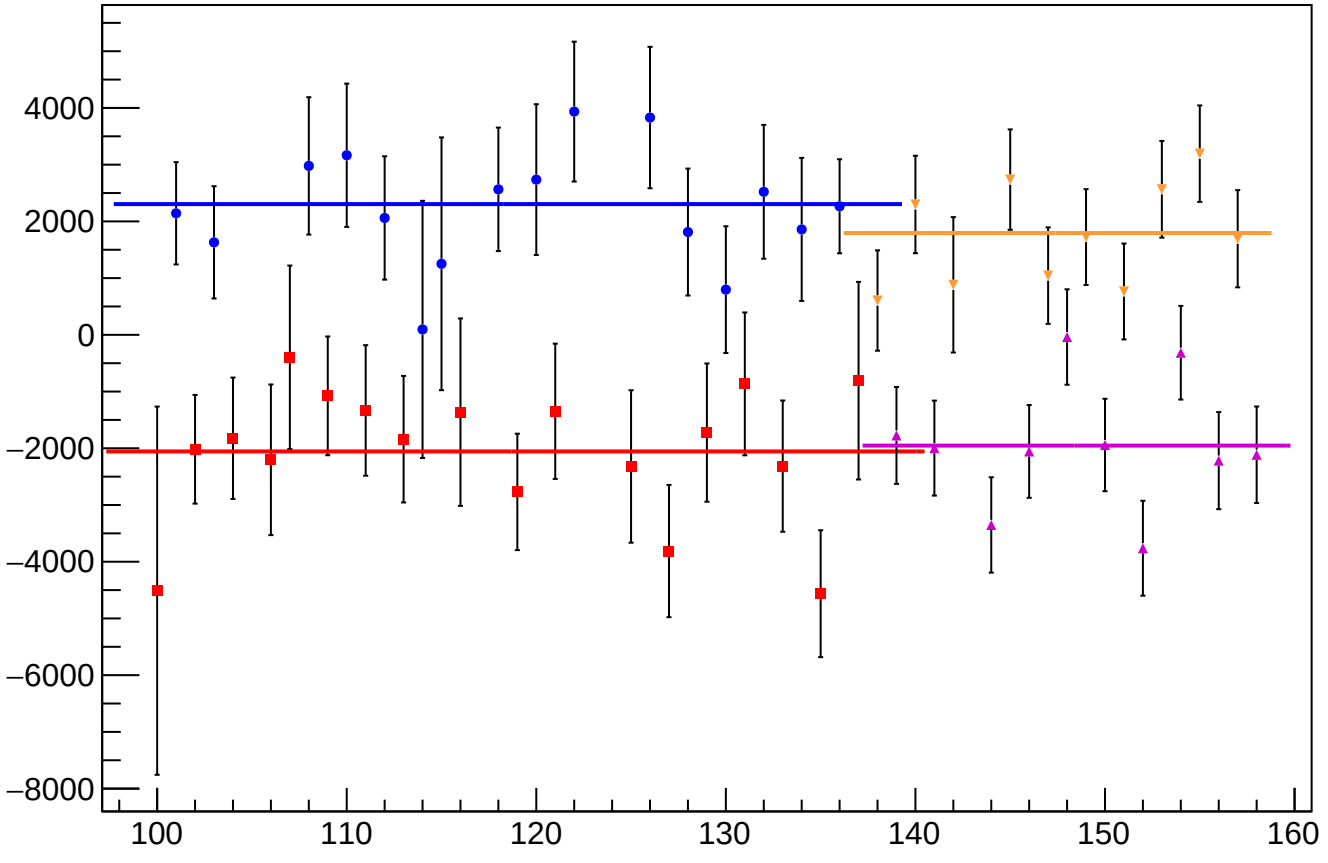
Left In: 1290.690+/-0.315 χ^2/NDF:558579.5/9

+ sign 1221.459+/-0.228 χ^2/NDF: 1288577.6/25

All: 1236.839+/-0.160 χ^2/NDF: 2284916.4/53

- sign 1251.774+/-0.225 χ^2/NDF: 987404.0/27

overload_cor_asym_us_avg_mean vs Slug



Right In: 2304.852+/-289.704 χ^2/NDF: 8.1/15

Left Out: 1795.150+/-278.284 χ^2/NDF:9.7/9

Right Out: -2055.666+/-289.090 χ^2/NDF: 12.9/17

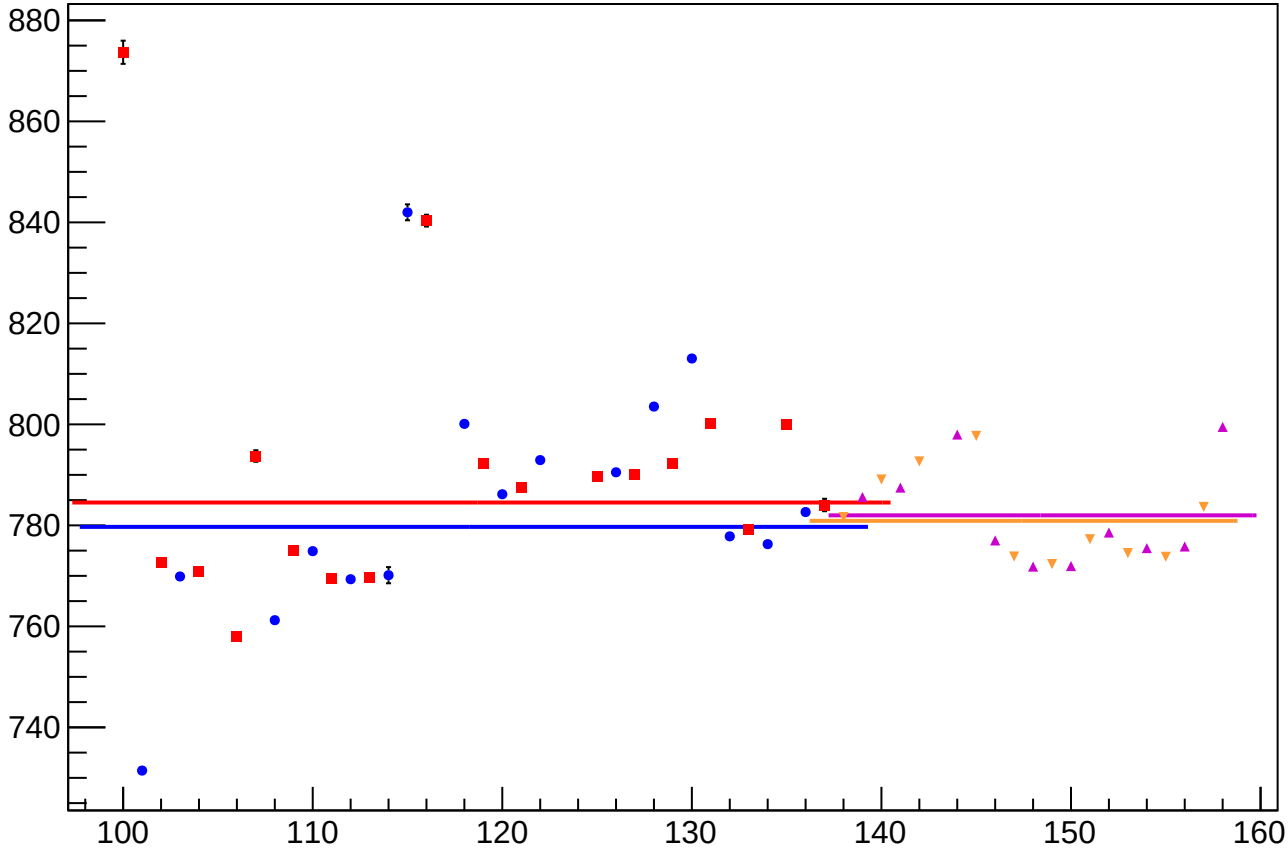
Left In: -1952.695+/-264.765 χ^2/NDF:16.7/9

+ sign 2039.757+/-200.692 χ^2/NDF: 19.4/25

All: -35.452+/-139.947 χ^2/NDF: 257.2/53

- sign -1999.667+/-195.251 χ^2/NDF: 29.7/27

overload_cor_asym_us_avg_rms vs Slug



Right In: 779.702+/-0.205 χ^2/NDF: 12060.2/15

Left Out: 780.897+/-0.197 χ^2/NDF:1752.9/9

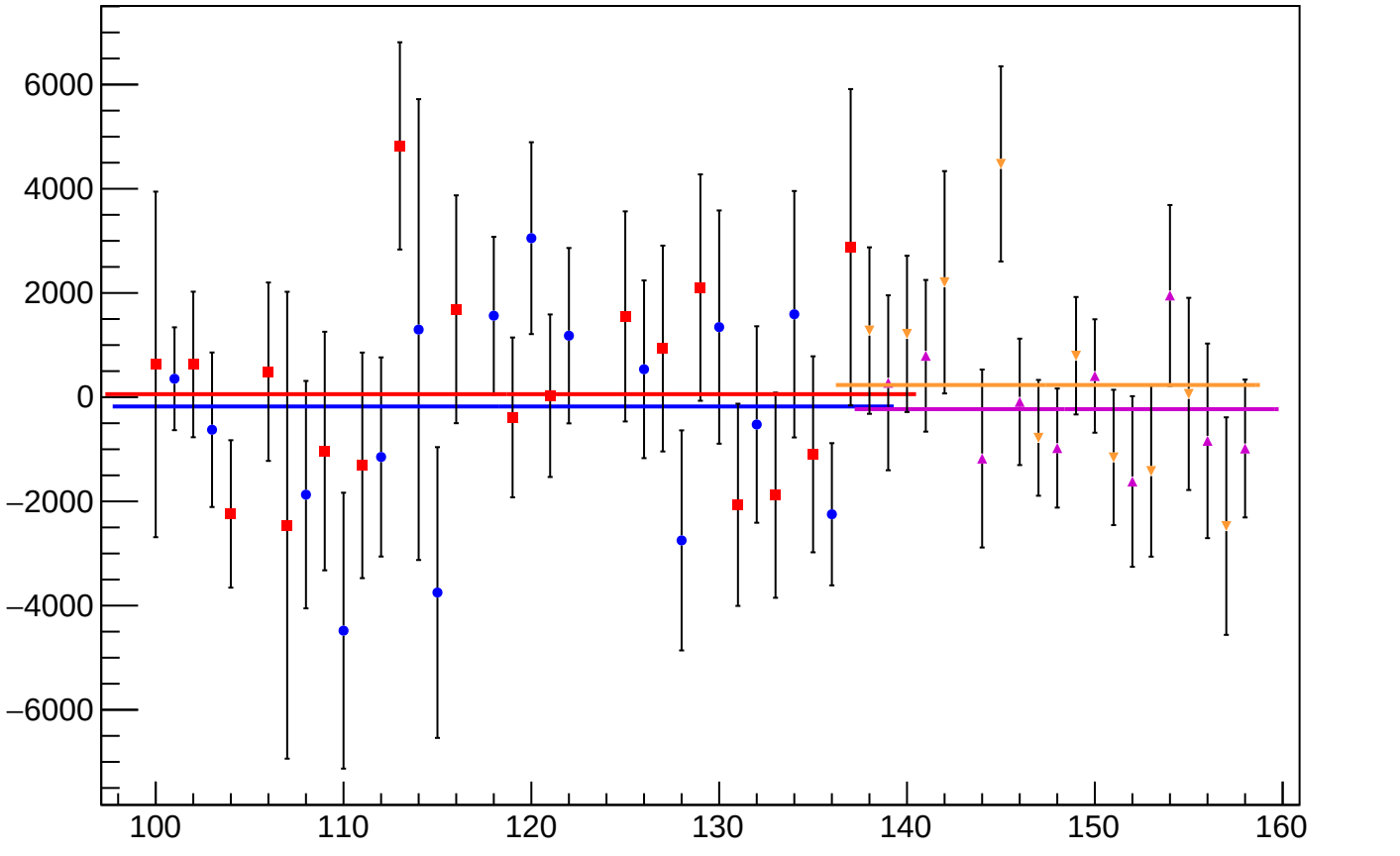
Right Out: 784.524+/-0.204 χ^2/NDF: 7160.0/17

Left In: 781.985+/-0.187 χ^2/NDF:2621.5/9

+ sign 780.324+/-0.142 χ^2/NDF: 13830.8/25

All: 781.772+/-0.099 χ^2/NDF: 23899.2/53

- sign 783.143+/-0.138 χ^2/NDF: 9865.5/27



Right In: -178.457+/-441.218 χ^2/NDF: 15.7/15

Left Out: 233.841+/-475.344 χ^2/NDF:11.8/9

Right Out: 58.040+/-455.216 χ^2/NDF: 15.3/17

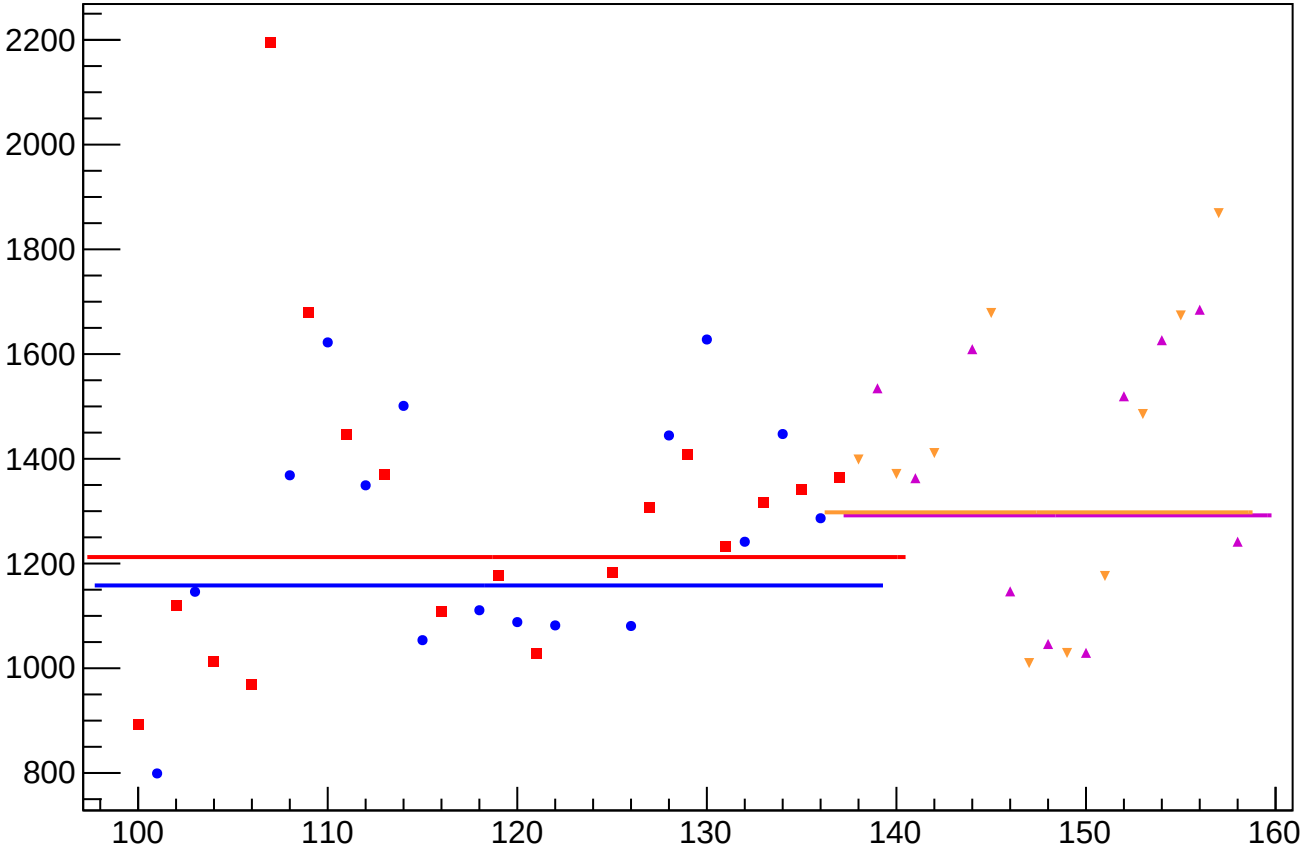
Left In: -230.018+/-446.200 χ^2/NDF:4.4/9

+ sign 12.362+/-323.380 χ^2/NDF: 27.9/25

All: -39.000+/-226.974 χ^2/NDF: 47.8/53

- sign -88.870+/-318.651 χ^2/NDF: 19.9/27

asym_us_avg_overload_cor_correction_rms vs Slug



Right In: 1158.134+/-0.312 χ^2/NDF: 569144.8/15

Left Out: 1297.764+/-0.336 χ^2/NDF:625419.8/9

Right Out: 1212.347+/-0.322 χ^2/NDF: 397938.1/17

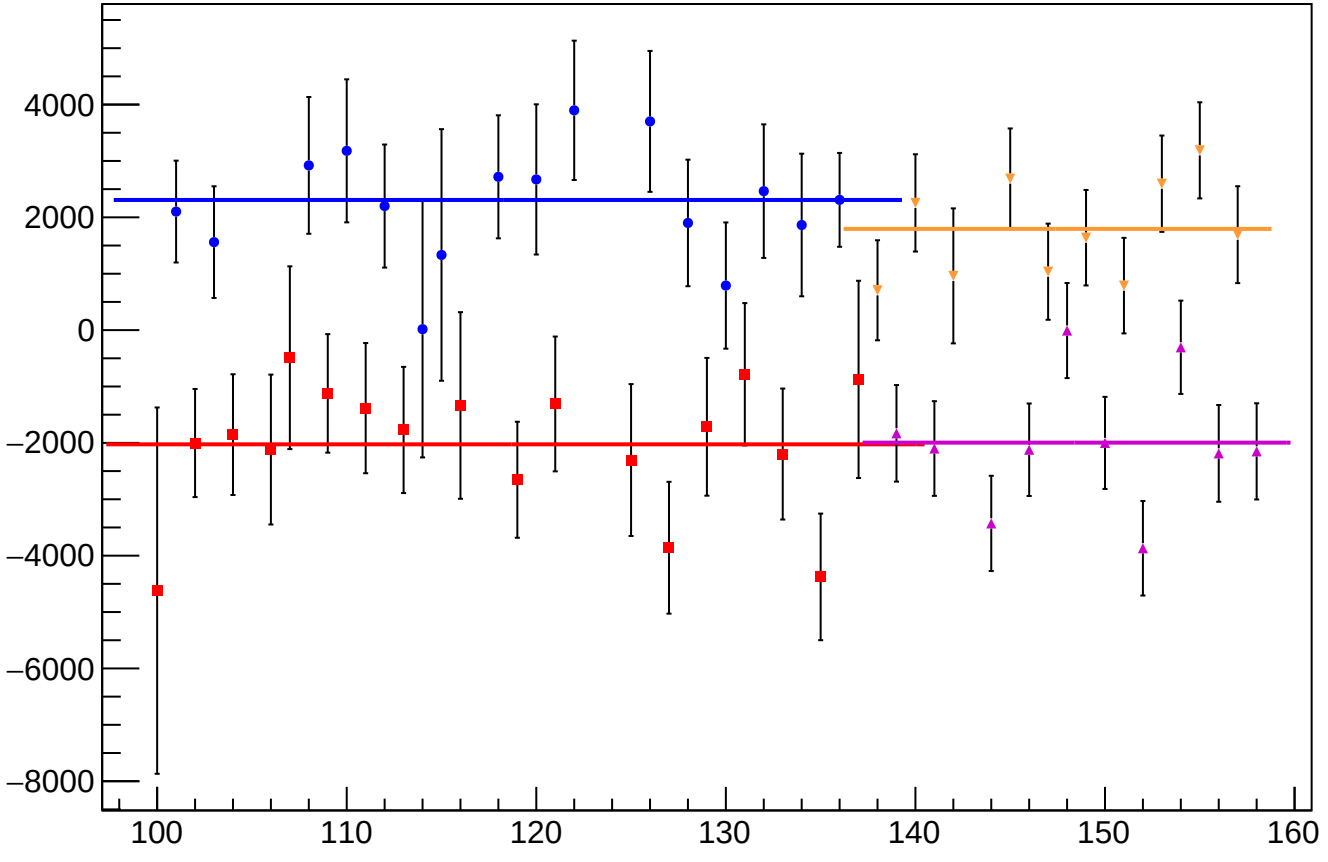
Left In: 1291.996+/-0.316 χ^2/NDF:557348.4/9

+ sign 1222.757+/-0.229 χ^2/NDF: 1287268.1/25

All: 1238.085+/-0.160 χ^2/NDF: 2282638.4/53

- sign 1252.968+/-0.225 χ^2/NDF: 986514.0/27

eigen_cor_asym_us_avg_mean vs Slug



Right In: 2308.155+/-290.431 χ^2/NDF: 7.8/15

Left Out: 1794.891+/-279.059 χ^2/NDF:9.1/9

Right Out: -2025.627+/-289.797 χ^2/NDF: 11.9/17

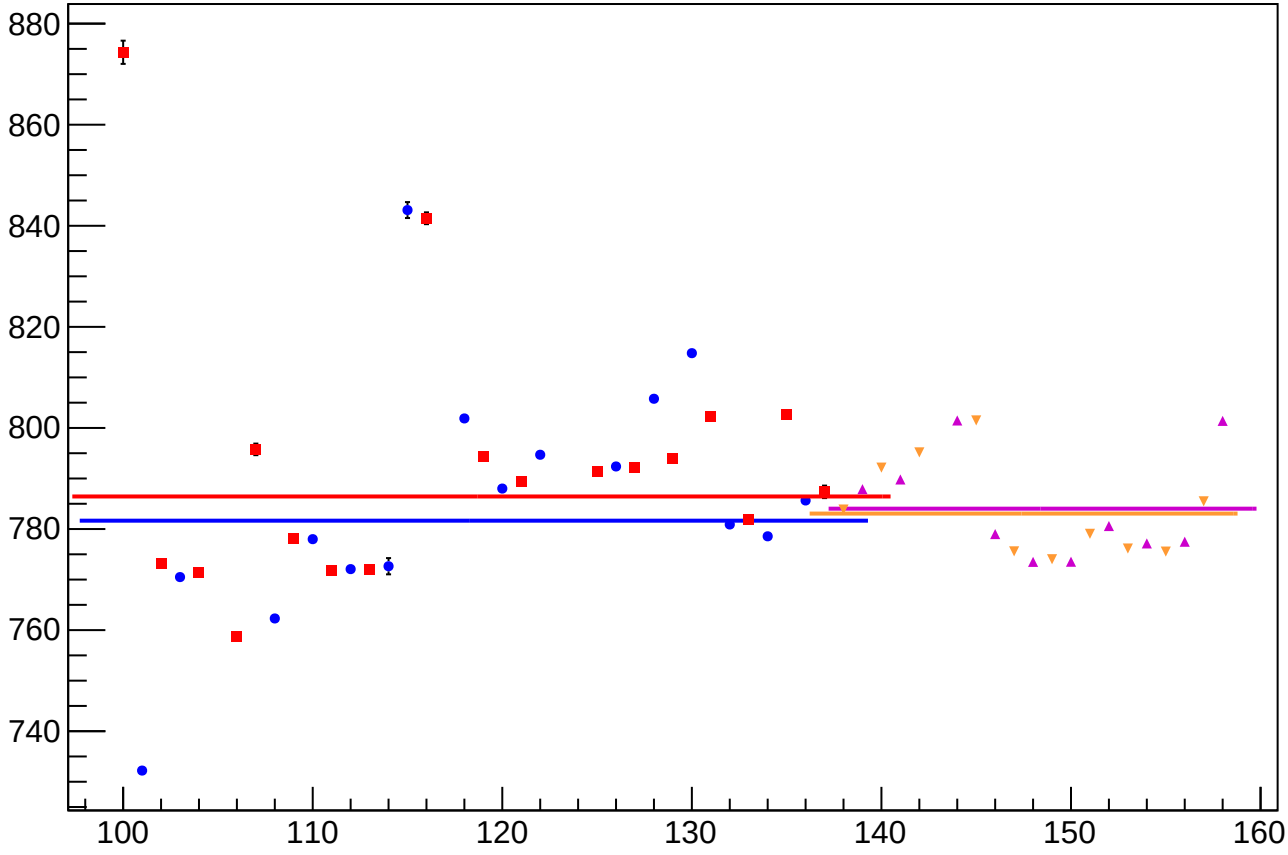
Left In: -1995.394+/-265.459 χ^2/NDF:17.8/9

+ sign 2041.277+/-201.225 χ^2/NDF: 18.5/25

All: -39.831+/-140.311 χ^2/NDF: 256.4/53

- sign -2009.188+/-195.748 χ^2/NDF: 29.7/27

eigen_cor_asym_us_avg_rms vs Slug



Right In: 781.654+/-0.205 χ^2/NDF: 12319.0/15

Left Out: 783.057+/-0.197 χ^2/NDF:2016.5/9

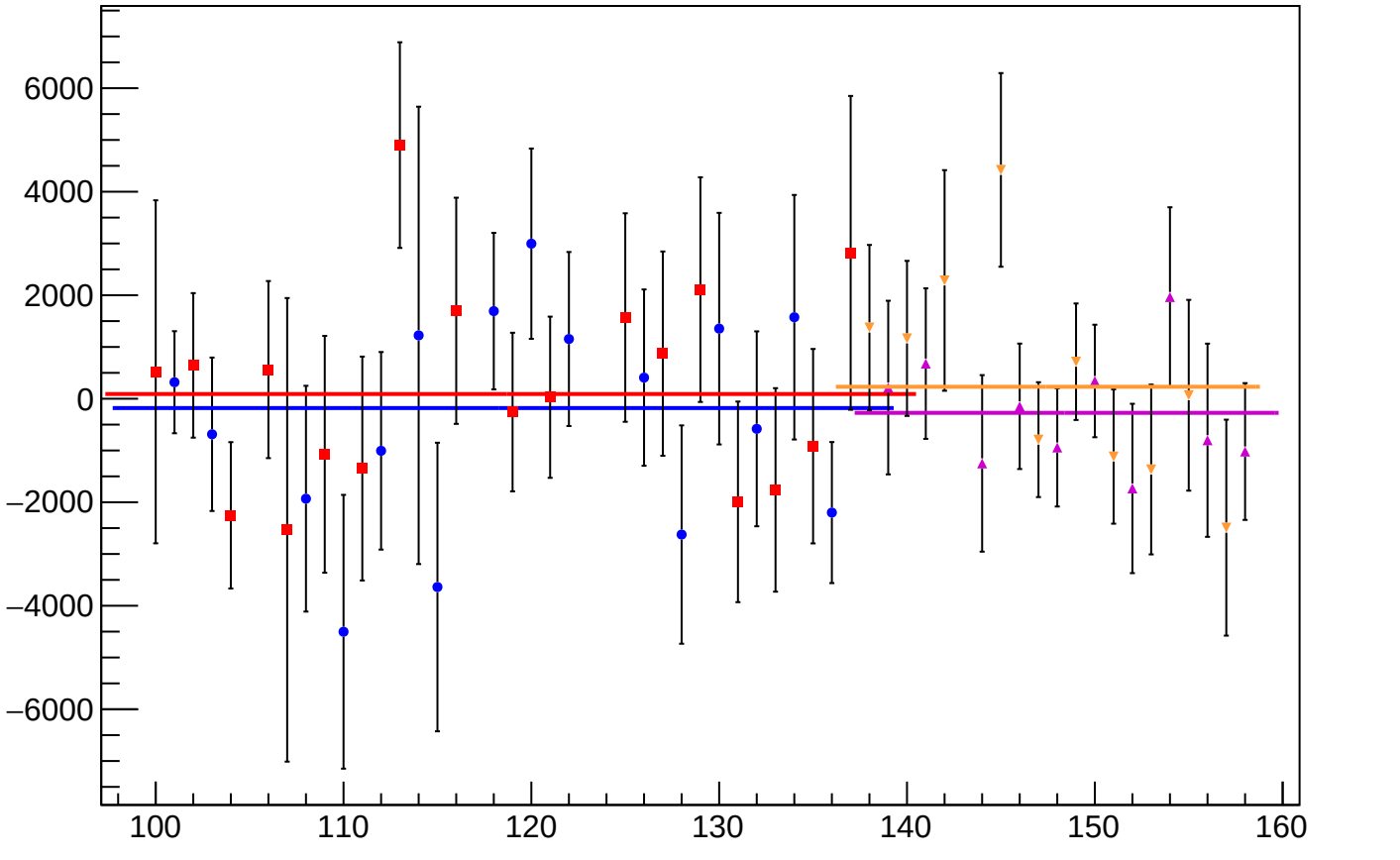
Right Out: 786.443+/-0.205 χ^2/NDF: 7201.6/17

Left In: 784.029+/-0.188 χ^2/NDF:2823.0/9

+ sign 782.384+/-0.142 χ^2/NDF: 14359.8/25

All: 783.795+/-0.099 χ^2/NDF: 24651.4/53

- sign 785.130+/-0.138 χ^2/NDF: 10100.1/27



Right In: -179.929+/-440.772 χ^2/NDF: 15.4/15

Left Out: 230.962+/-474.850 χ^2/NDF:11.6/9

Right Out: 91.288+/-454.811 χ^2/NDF: 15.2/17

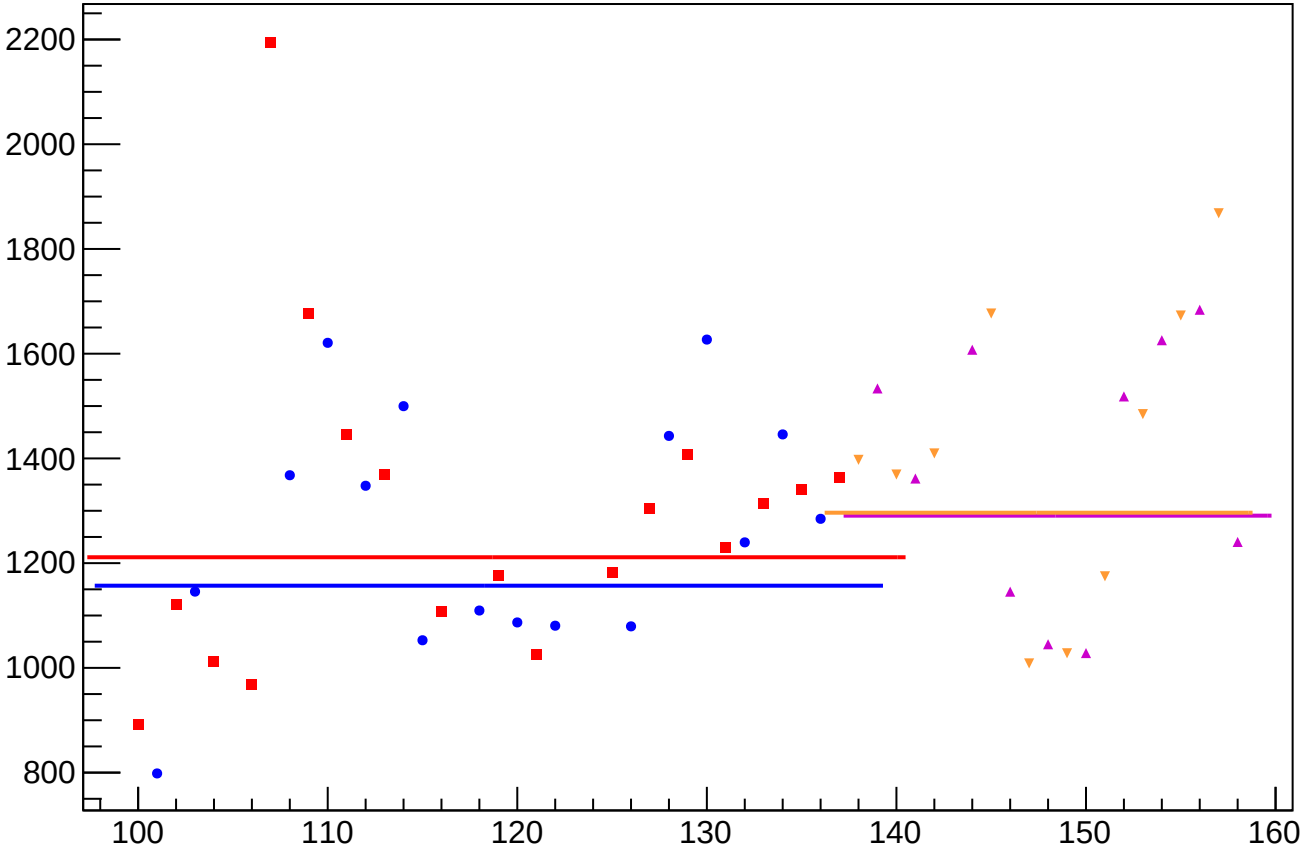
Left In: -272.885+/-445.768 χ^2/NDF:4.4/9

+ sign 10.245+/-323.049 χ^2/NDF: 27.4/25

All: -42.871+/-226.752 χ^2/NDF: 47.4/53

- sign -94.455+/-318.355 χ^2/NDF: 19.9/27

asym_us_avg_eigen_cor_correction_rms vs Slug



Right In: 1156.948+/-0.312 χ^2/NDF: 569119.8/15

Left Out: 1296.332+/-0.336 χ^2/NDF:626891.8/9

Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

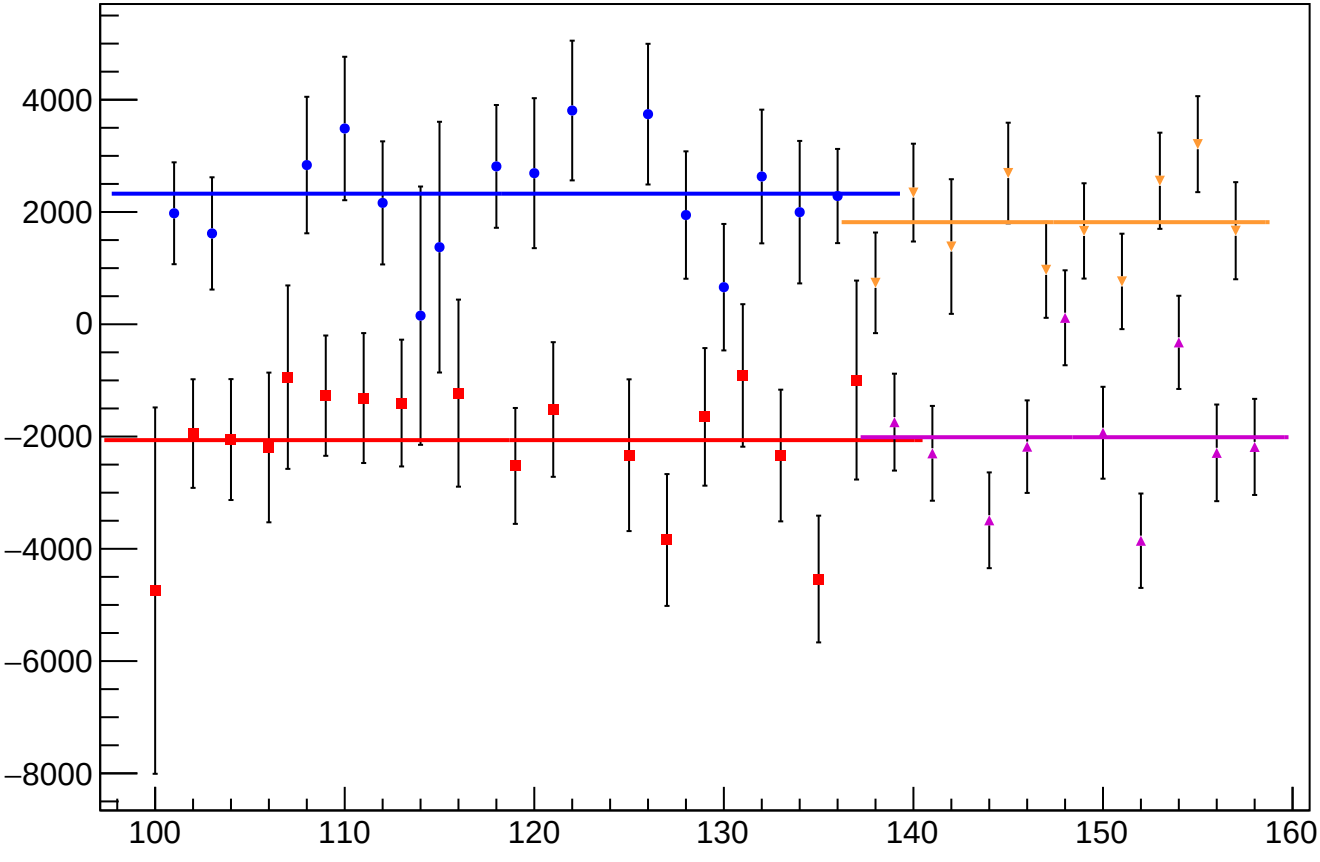
Left In: 1290.690+/-0.315 χ^2/NDF:558579.5/9

+ sign 1221.459+/-0.228 χ^2/NDF: 1288577.6/25

All: 1236.839+/-0.160 χ^2/NDF: 2284916.4/53

- sign 1251.774+/-0.225 χ^2/NDF: 987404.0/27

dit_asym_us_avg_mean vs Slug



Right In: 2326.430+/-292.176 χ^2/NDF: 8.1/15

Left Out: 1818.882+/-280.512 χ^2/NDF:8.9/9

Right Out: -2063.976+/-291.790 χ^2/NDF: 11.6/17

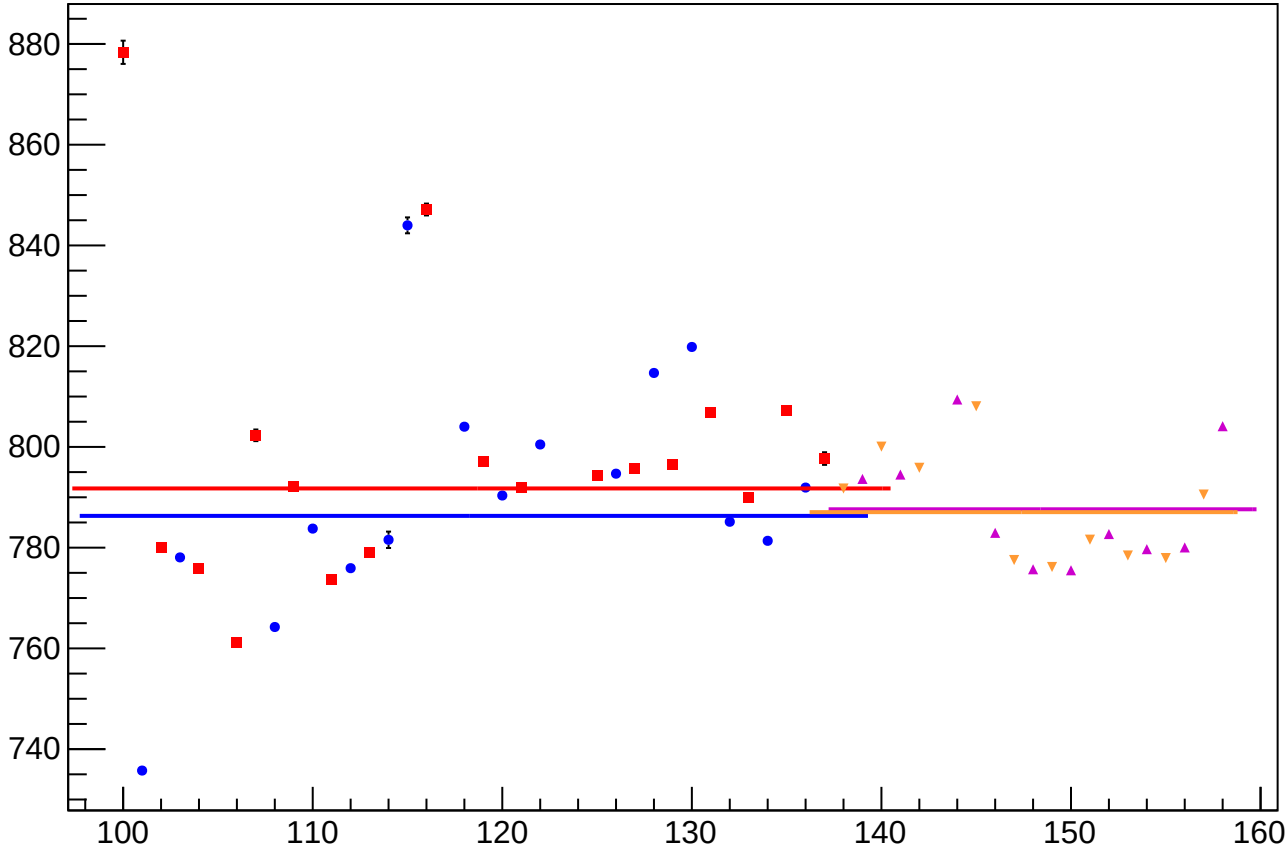
Left In: -2011.940+/-266.692 χ^2/NDF:18.7/9

+ sign 2062.323+/-202.350 χ^2/NDF: 18.6/25

All: -43.036+/-141.100 χ^2/NDF: 259.7/53

- sign -2035.624+/-196.856 χ^2/NDF: 30.3/27

dit_asym_us_avg_rms vs Slug



Right In: 786.309+/-0.207 χ^2/NDF: 12571.1/15

Left Out: 787.053+/-0.198 χ^2/NDF:2827.7/9

Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

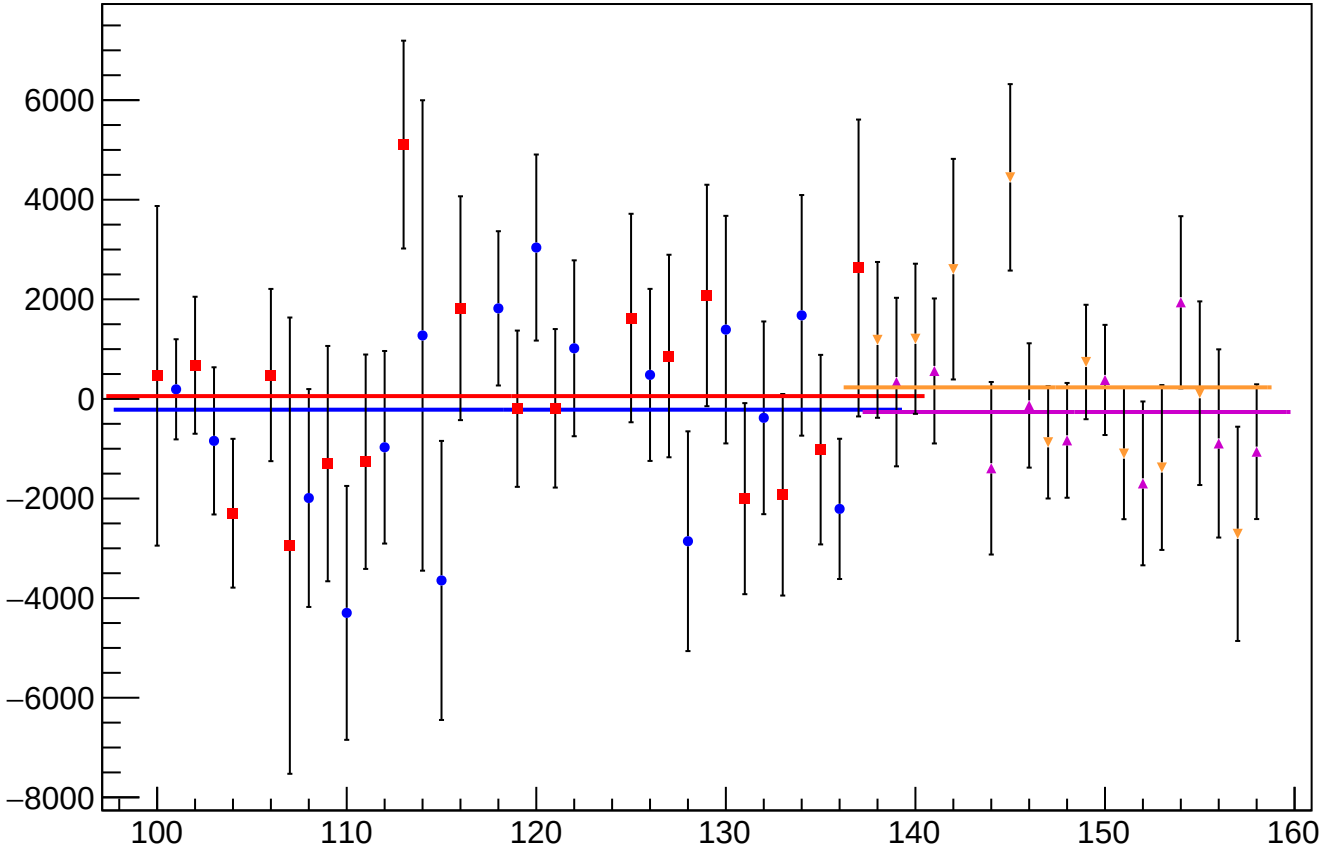
Left In: 787.618+/-0.189 χ^2/NDF:3582.4/9

+ sign 786.696+/-0.143 χ^2/NDF: 15405.6/25

All: 788.138+/-0.100 χ^2/NDF: 26419.8/53

- sign 789.502+/-0.139 χ^2/NDF: 10816.7/27

asym_us_avg_dit_correction_mean vs Slug



Right In: -216.184+/-449.537 χ^2/NDF: 15.3/15

Left Out: 232.521+/-480.443 χ^2/NDF:12.0/9

Right Out: 56.784+/-463.978 χ^2/NDF: 15.1/17

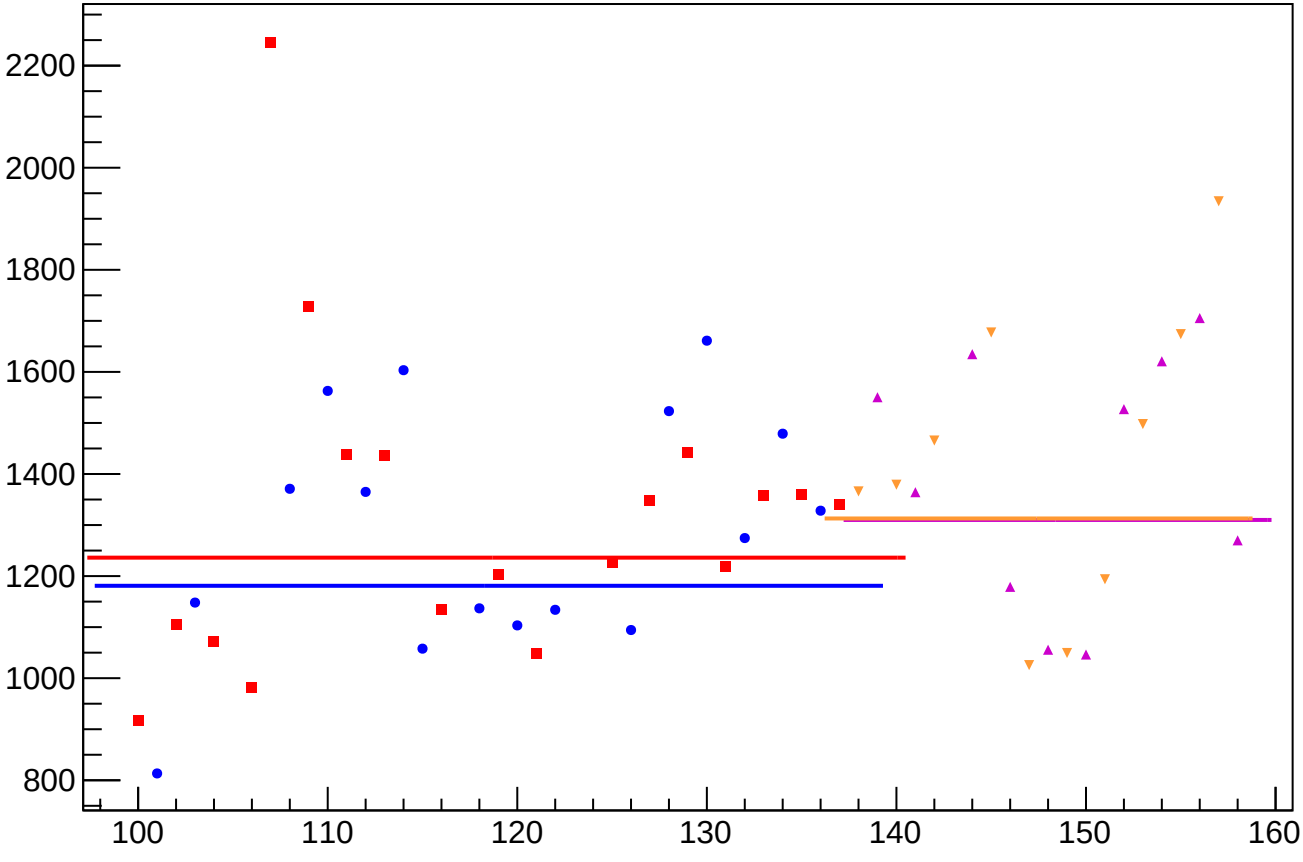
Left In: -262.582+/-451.906 χ^2/NDF:4.3/9

+ sign -6.727+/-328.253 χ^2/NDF: 27.7/25

All: -57.614+/-230.494 χ^2/NDF: 47.5/53

- sign -107.108+/-323.730 χ^2/NDF: 19.7/27

asym_us_avg_dit_correction_rms vs Slug



Right In: 1180.998+/-0.318 χ^2/NDF: 571107.8/15

Left Out: 1312.884+/-0.340 χ^2/NDF:611153.3/9

Right Out: 1236.134+/-0.328 χ^2/NDF: 397242.2/17

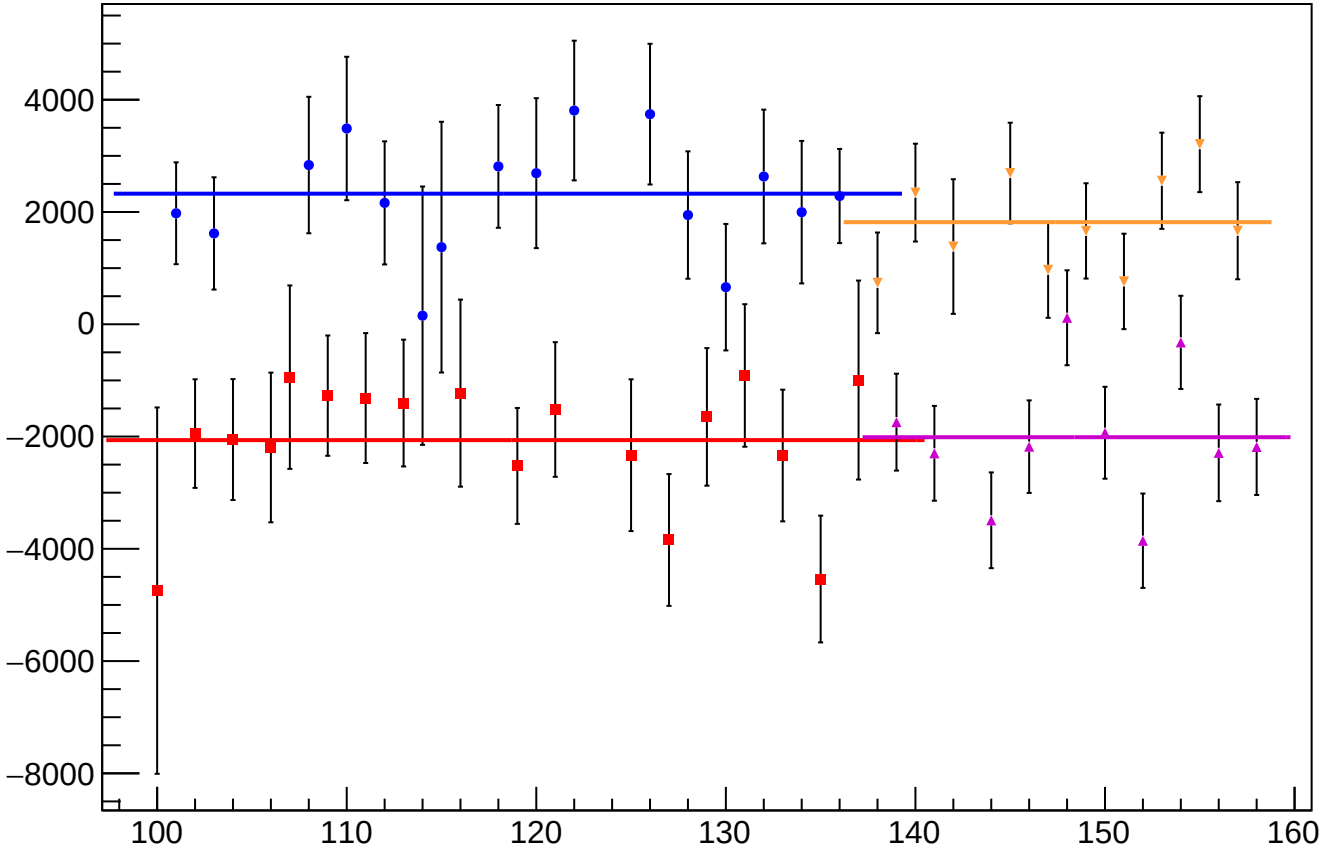
Left In: 1309.999+/-0.320 χ^2/NDF:535255.5/9

+ sign 1242.563+/-0.232 χ^2/NDF: 1262619.4/25

All: 1258.520+/-0.163 χ^2/NDF: 2230452.4/53

- sign 1274.040+/-0.229 χ^2/NDF: 958509.9/27

eigen_dit_asym_us_avg_mean vs Slug



Right In: 2326.429+/-292.176 χ^2/NDF: 8.1/15

Left Out: 1818.879+/-280.512 χ^2/NDF:8.9/9

Right Out: -2063.975+/-291.790 χ^2/NDF: 11.6/17

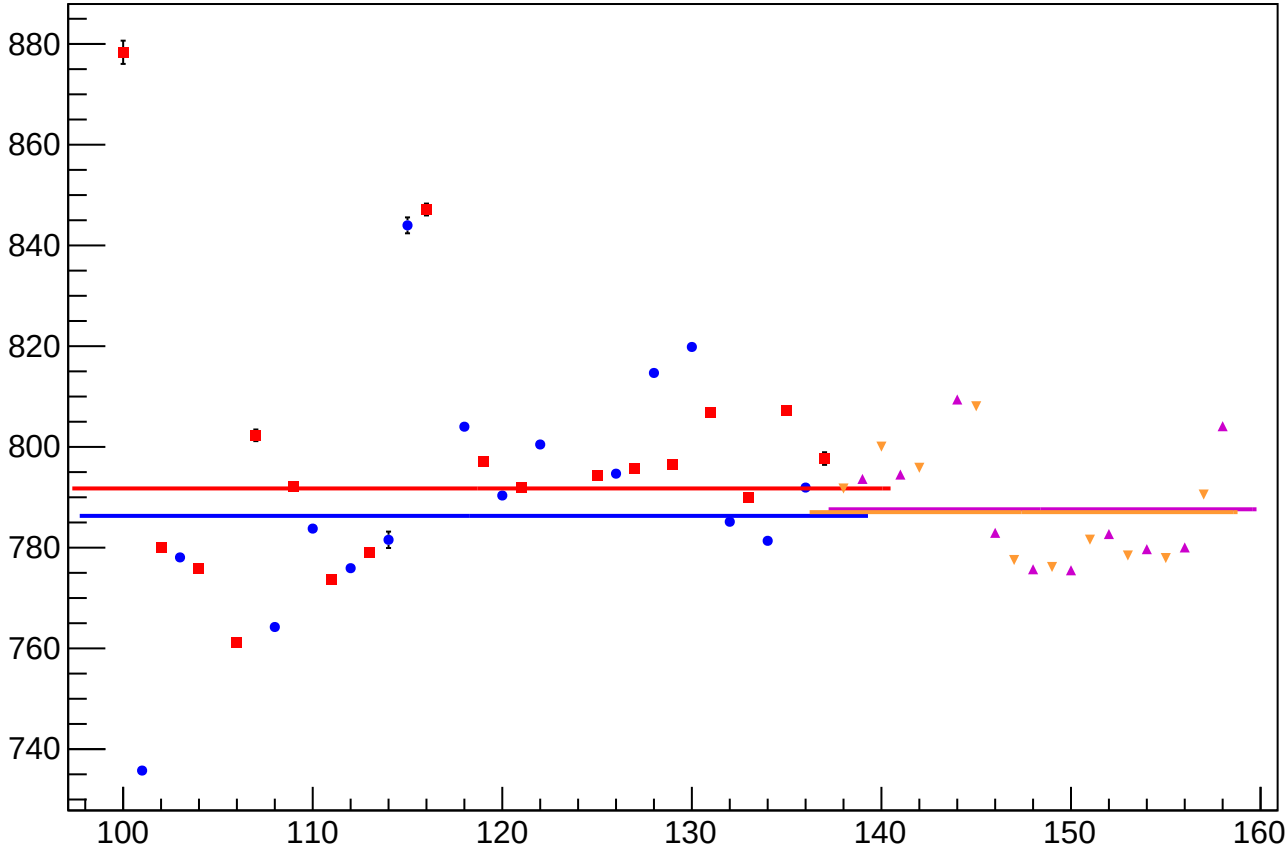
Left In: -2011.941+/-266.692 χ^2/NDF:18.7/9

+ sign 2062.322+/-202.350 χ^2/NDF: 18.6/25

All: -43.037+/-141.100 χ^2/NDF: 259.7/53

- sign -2035.624+/-196.856 χ^2/NDF: 30.3/27

eigen_dit_asym_us_avg_rms vs Slug



Right In: 786.309+/-0.207 χ^2/NDF: 12571.0/15

Left Out: 787.053+/-0.198 χ^2/NDF:2827.7/9

Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

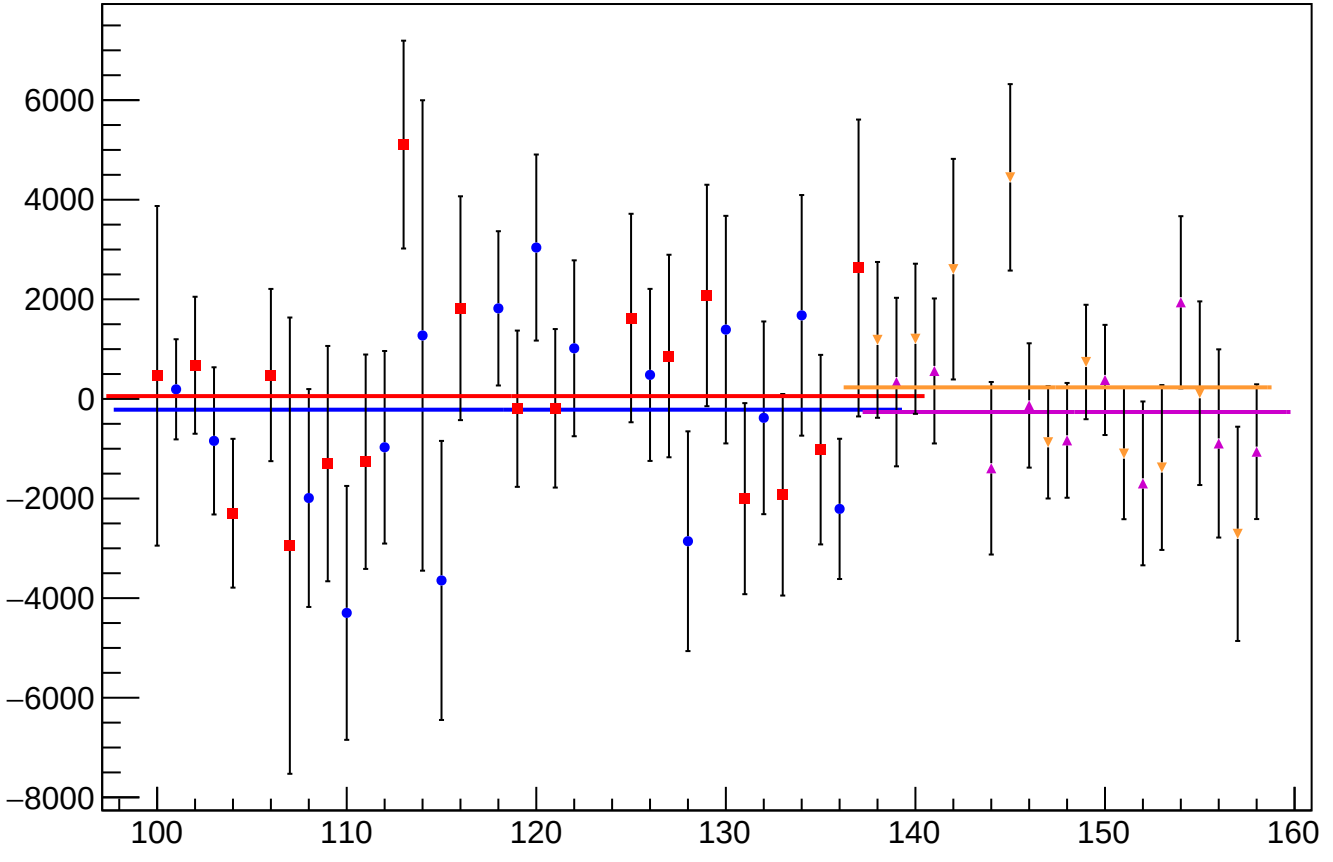
Left In: 787.618+/-0.189 χ^2/NDF:3582.4/9

+ sign 786.696+/-0.143 χ^2/NDF: 15405.5/25

All: 788.137+/-0.100 χ^2/NDF: 26419.7/53

- sign 789.501+/-0.139 χ^2/NDF: 10816.7/27

asym_us_avg_eigen_dit_correction_mean vs Slug



Right In: -216.183+/-449.536 χ^2/NDF: 15.3/15

Left Out: 232.517+/-480.444 χ^2/NDF:12.0/9

Right Out: 56.784+/-463.977 χ^2/NDF: 15.1/17

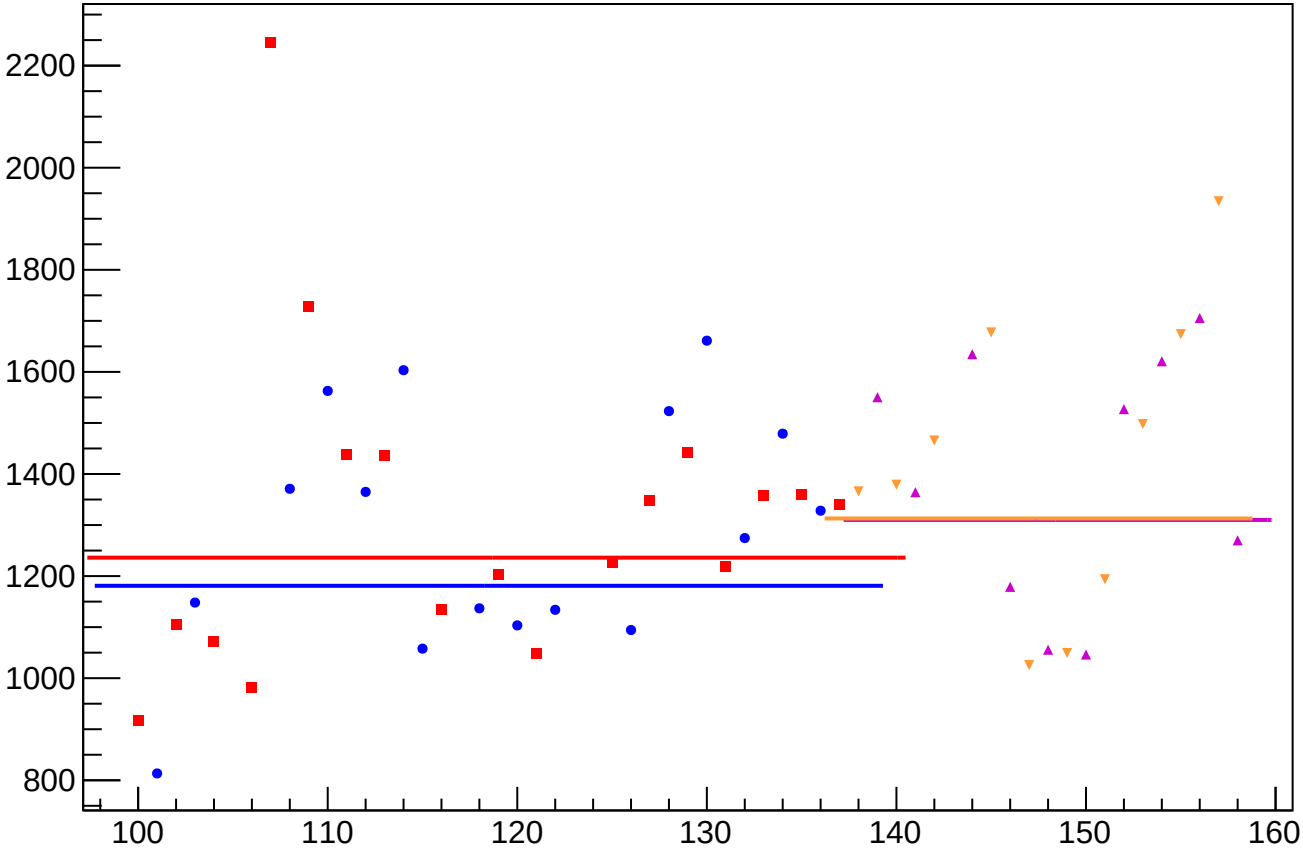
Left In: -262.583+/-451.907 χ^2/NDF:4.3/9

\+ sign -6.729+/-328.253 χ^2/NDF: 27.7/25

All: -57.615+/-230.494 χ^2/NDF: 47.5/53

\- sign -107.108+/-323.730 χ^2/NDF: 19.7/27

asym_us_avg_eigen_dit_correction_rms vs Slug



Right In: 1180.995+/-0.318 χ^2/NDF: 571105.7/15

Left Out: 1312.886+/-0.340 χ^2/NDF:611155.5/9

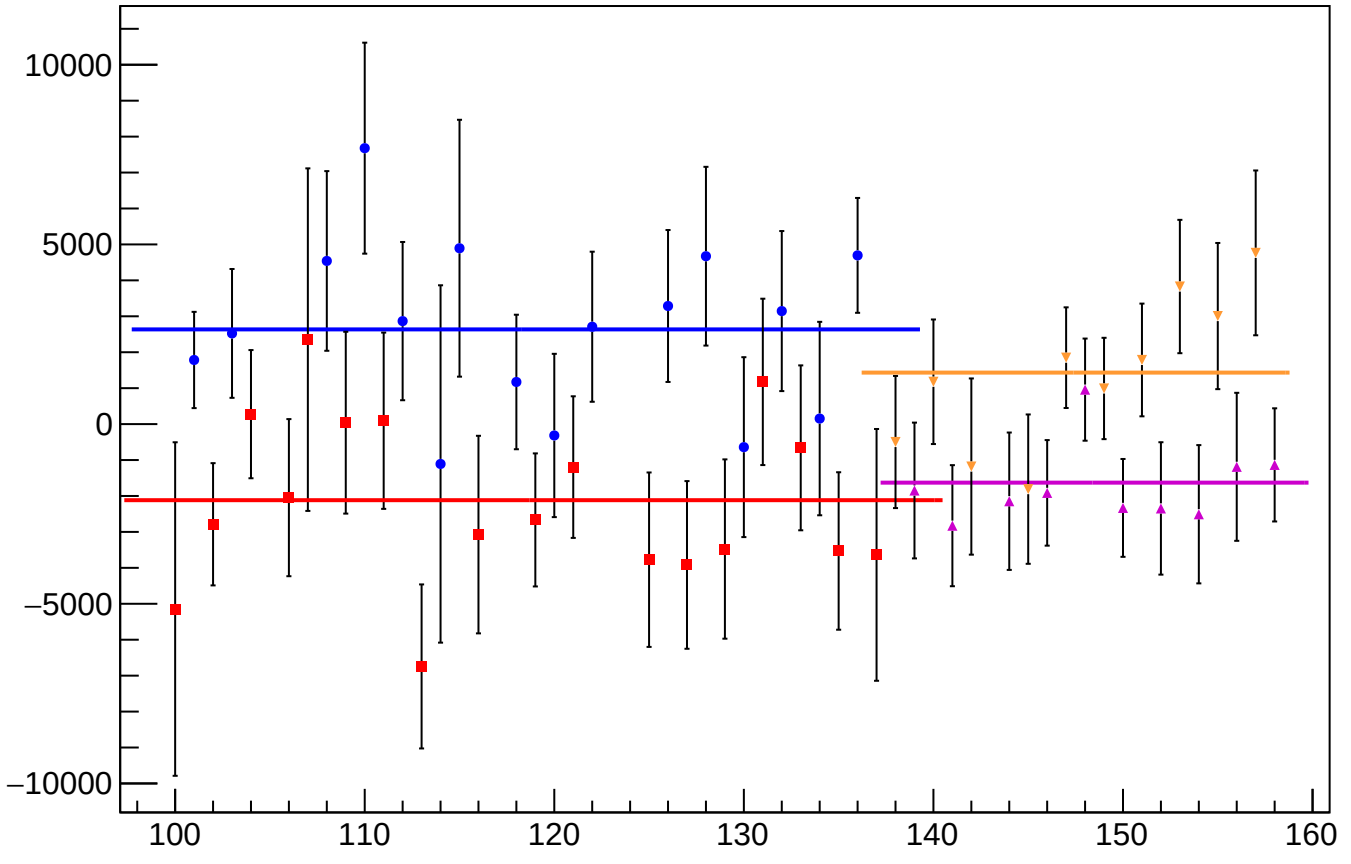
Right Out: 1236.131+/-0.328 χ^2/NDF: 397240.7/17

Left In: 1310.001+/-0.320 χ^2/NDF:535256.4/9

+ sign 1242.562+/-0.232 χ^2/NDF: 1262626.0/25

All: 1258.519+/-0.163 χ^2/NDF: 2230462.7/53

- sign 1274.040+/-0.229 χ^2/NDF: 958513.4/27



Right In: 2635.397+/-538.034 χ^2/NDF: 12.3/15

Left Out: 1433.148+/-561.801 χ^2/NDF:9.3/9

Right Out: -2117.162+/-547.483 χ^2/NDF: 13.7/17

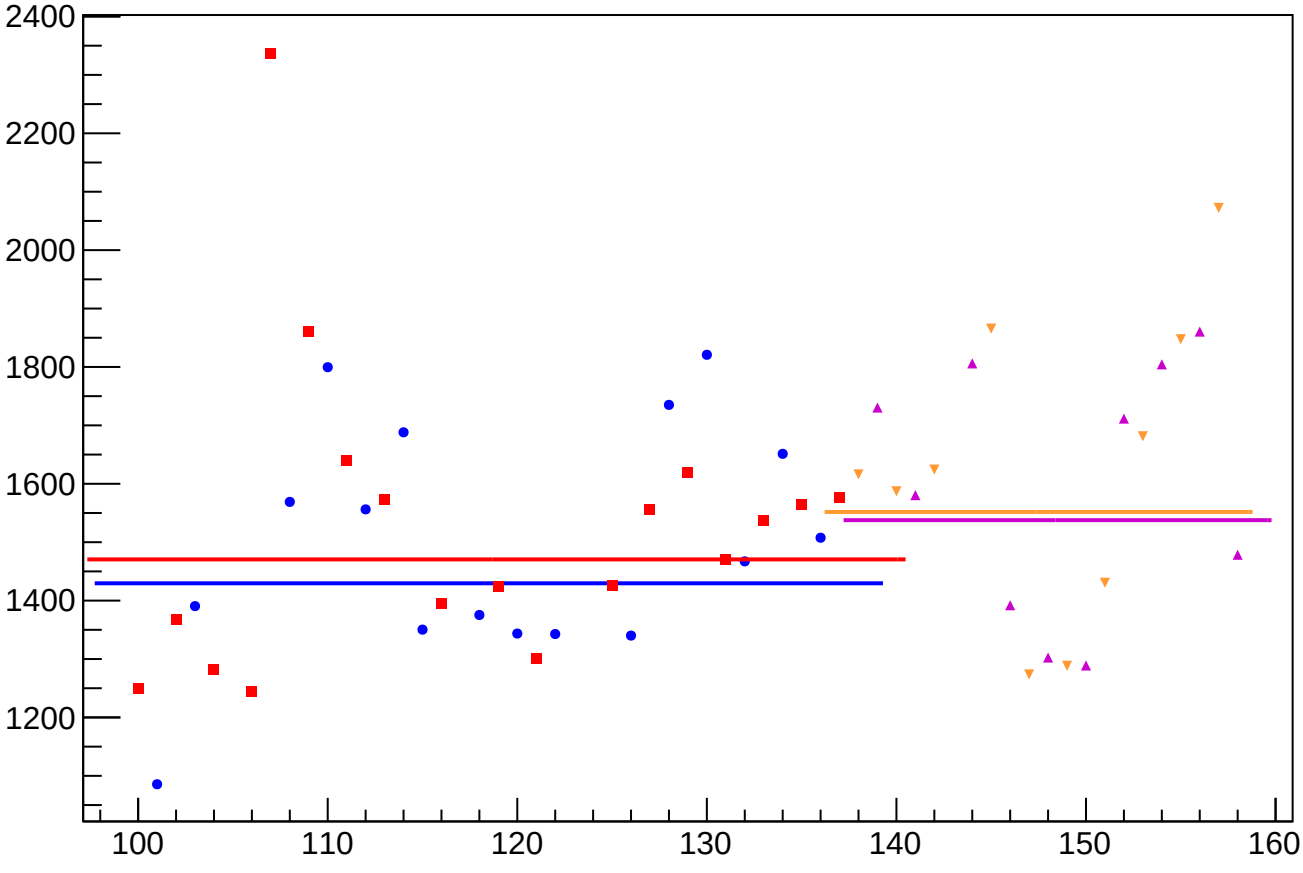
Left In: -1629.148+/-526.444 χ^2/NDF:4.7/9

+ sign 2060.241+/-388.578 χ^2/NDF: 24.0/25

All: 51.805+/-271.489 χ^2/NDF: 95.0/53

- sign -1863.598+/-379.472 χ^2/NDF: 18.9/27

asym_us_avg_rms vs Slug



Right In: 1429.654+/-0.380 χ^2/NDF: 293388.5/15

Left Out: 1551.792+/-0.397 χ^2/NDF:366360.2/9

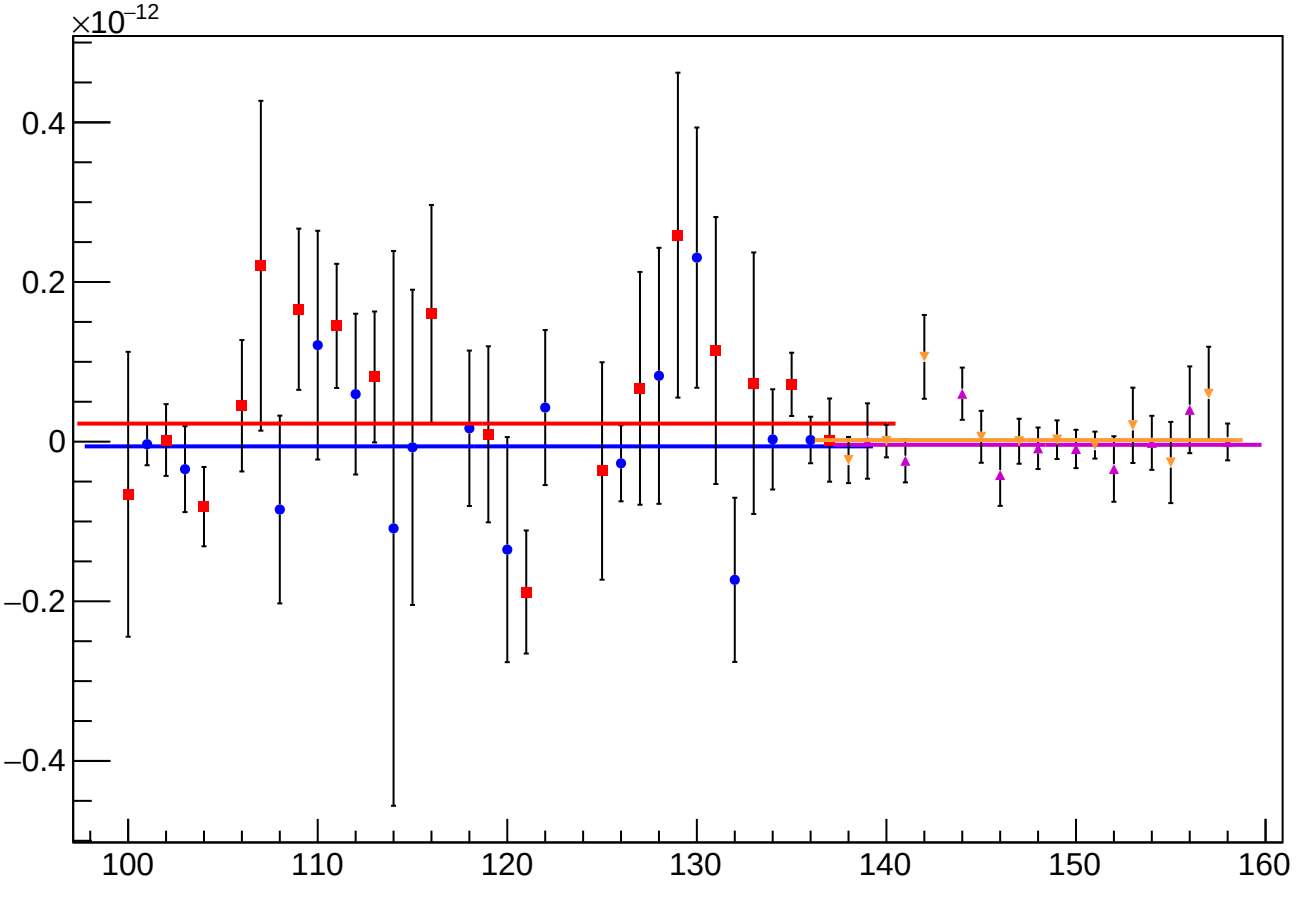
Right Out: 1470.565+/-0.387 χ^2/NDF: 218067.5/17

Left In: 1537.715+/-0.372 χ^2/NDF:311027.6/9

+ sign 1488.085+/-0.275 χ^2/NDF: 709055.0/25

All: 1496.976+/-0.192 χ^2/NDF: 1255828.3/53

- sign 1505.455+/-0.268 χ^2/NDF: 544727.6/27



Right In: -0.000+/-0.000 χ^2/NDF: 8.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.3/9

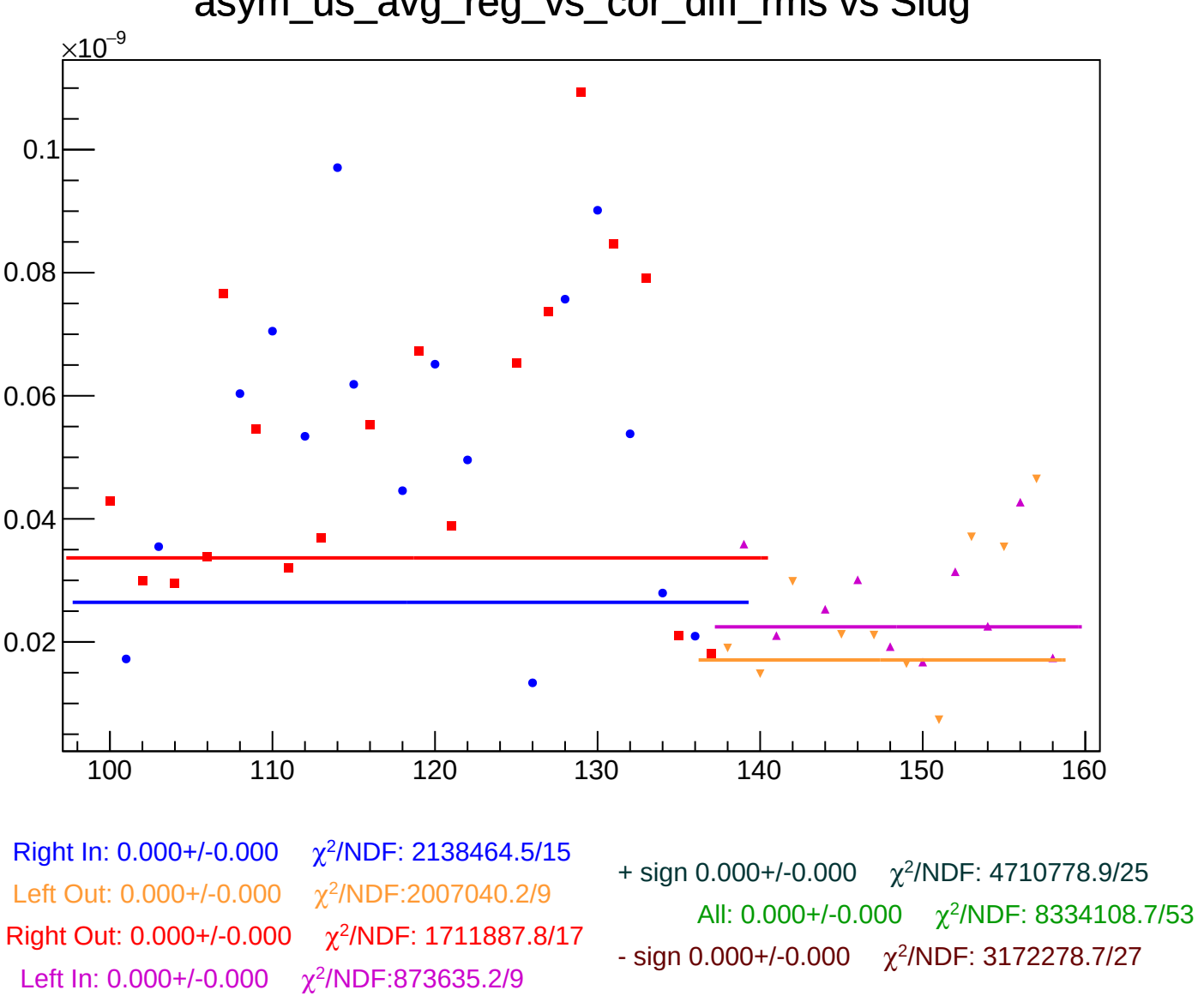
Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/17

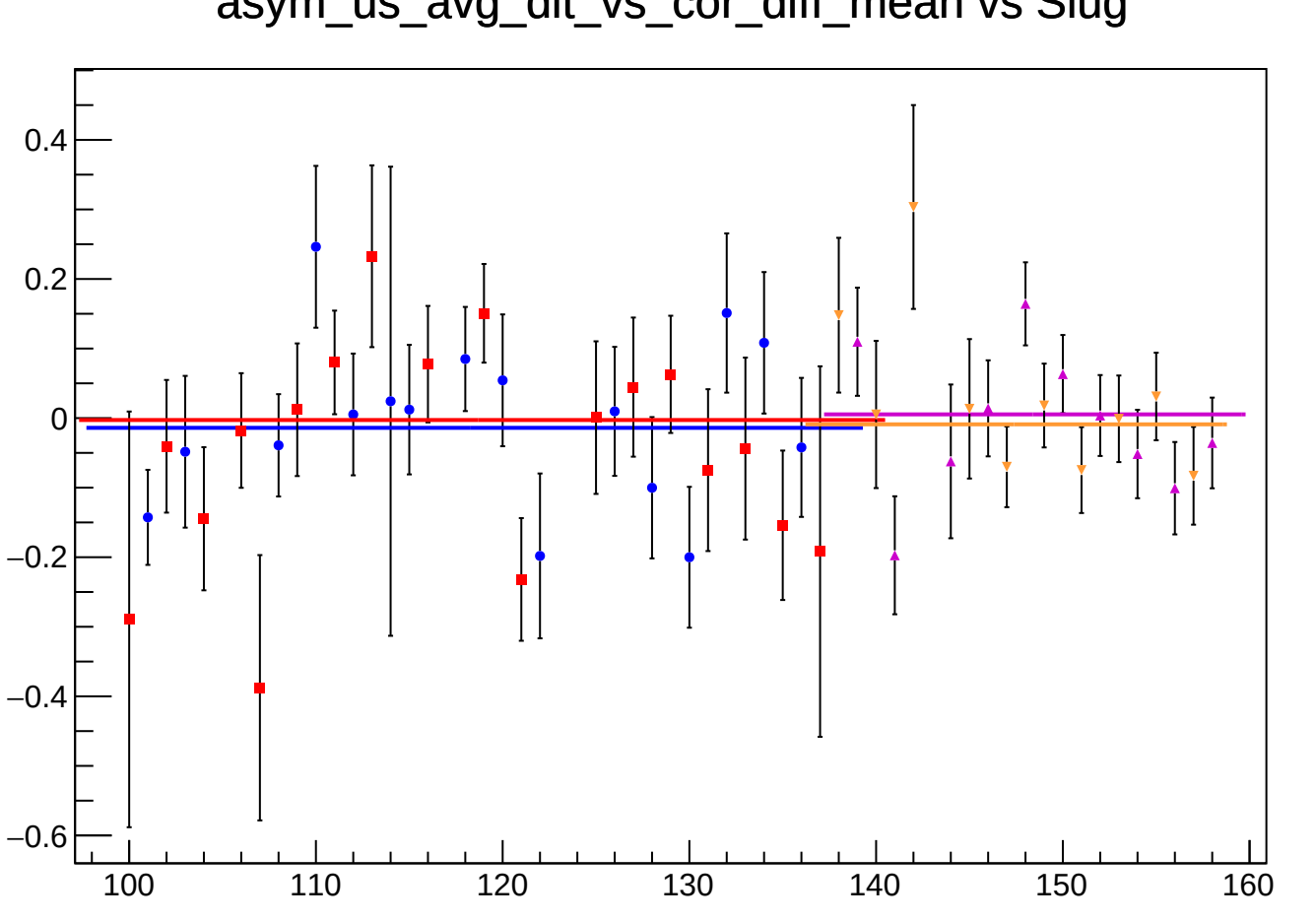
Left In: -0.000+/-0.000 χ^2/NDF:6.6/9

+ sign -0.000+/-0.000 χ^2/NDF: 15.0/25

All: 0.000+/-0.000 χ^2/NDF: 46.4/53

- sign 0.000+/-0.000 χ^2/NDF: 31.4/27


asym_us_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2138464.5/15
Left Out: 0.000+/-0.000 χ²/NDF:2007040.2/9
Right Out: 0.000+/-0.000 χ²/NDF: 1711887.8/17
Left In: 0.000+/-0.000 χ²/NDF:873635.2/9
+ sign 0.000+/-0.000 χ²/NDF: 4710778.9/25
All: 0.000+/-0.000 χ²/NDF: 8334108.7/53
- sign 0.000+/-0.000 χ²/NDF: 3172278.7/27



Right In: -0.014+/-0.024 χ^2/NDF: 21.4/15

Left Out: -0.009+/-0.023 χ^2/NDF:10.6/9

Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

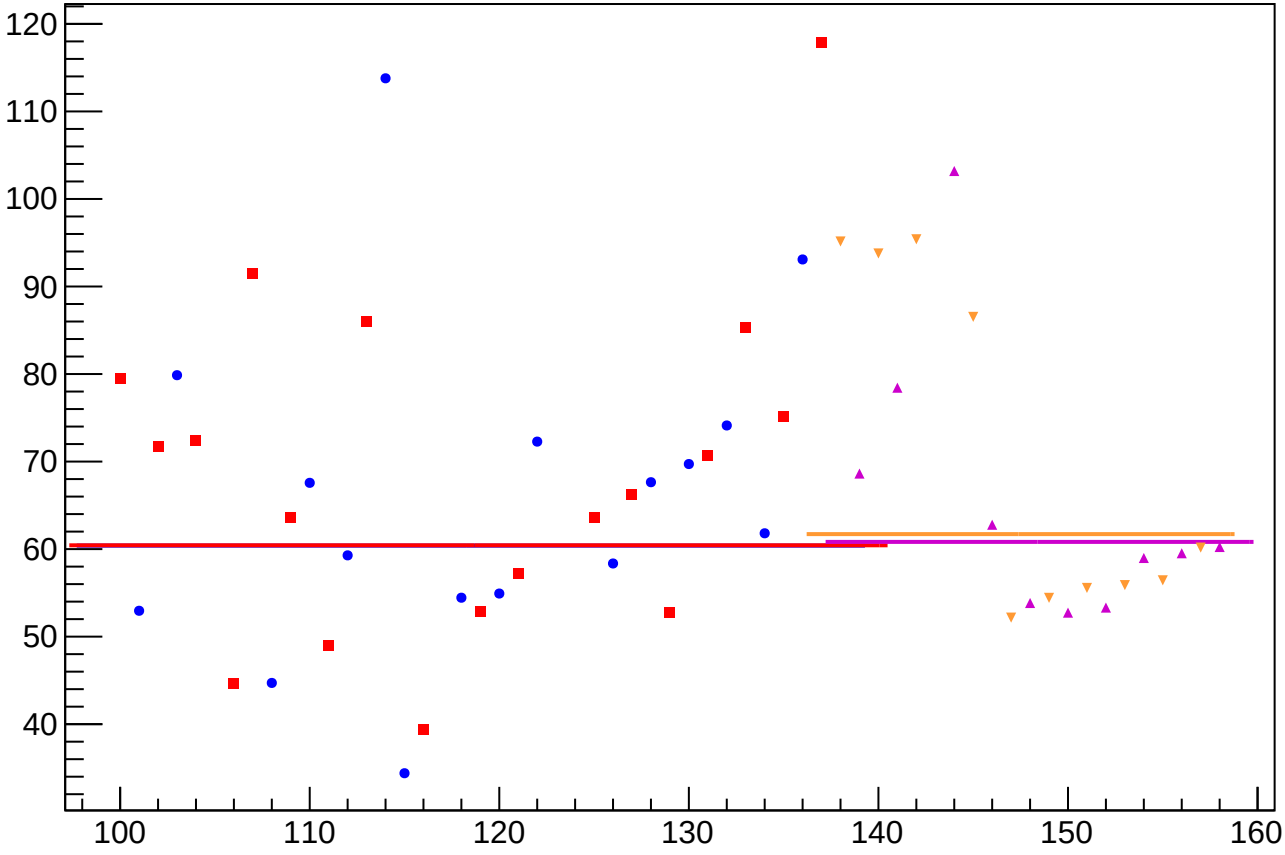
Left In: 0.005+/-0.021 χ^2/NDF:19.8/9

+ sign -0.011+/-0.017 χ^2/NDF: 32.0/25

All: -0.005+/-0.011 χ^2/NDF: 79.9/53

- sign 0.002+/-0.016 χ^2/NDF: 47.6/27

asym_us_avg_dit_vs_cor_diff_rms vs Slug



Right In: 60.399+/-0.017 χ^2/NDF: 703157.1/15

Left Out: 61.713+/-0.016 χ^2/NDF:728186.3/9

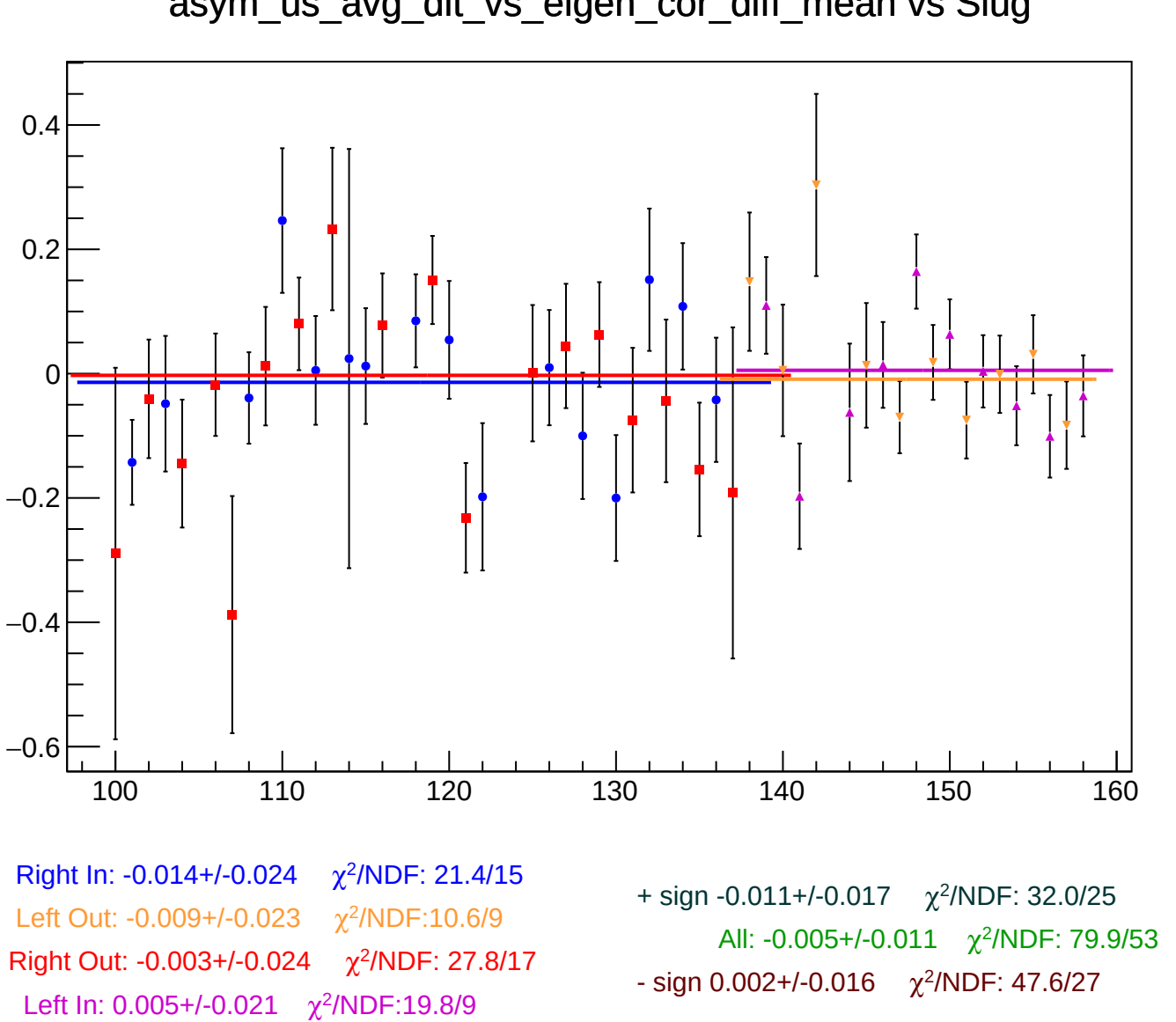
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

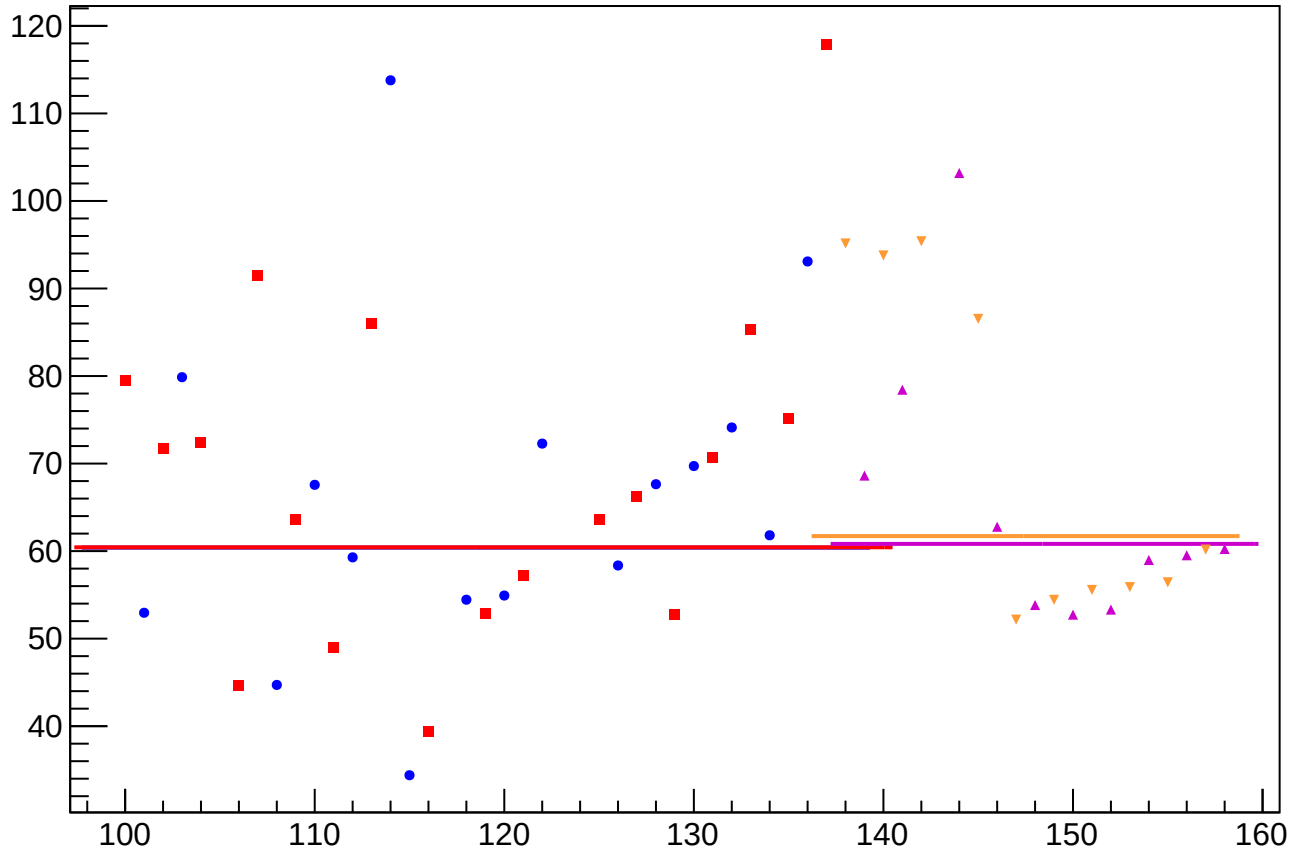
Left In: 60.824+/-0.015 χ^2/NDF:506537.0/9

+ sign 61.076+/-0.012 χ^2/NDF: 1434463.2/25

All: 60.853+/-0.008 χ^2/NDF: 2653076.2/53

- sign 60.650+/-0.011 χ^2/NDF: 1217927.7/27


asym_us_avg_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
Right In: -0.014+/-0.024 χ²/NDF: 21.4/15
Left Out: -0.009+/-0.023 χ²/NDF:10.6/9
Right Out: -0.003+/-0.024 χ²/NDF: 27.8/17
Left In: 0.005+/-0.021 χ²/NDF:19.8/9
+ sign -0.011+/-0.017 χ²/NDF: 32.0/25
All: -0.005+/-0.011 χ²/NDF: 79.9/53
- sign 0.002+/-0.016 χ²/NDF: 47.6/27



Right In: 60.399+/-0.017 χ^2/NDF: 703157.1/15

Left Out: 61.713+/-0.016 χ^2/NDF:728186.3/9

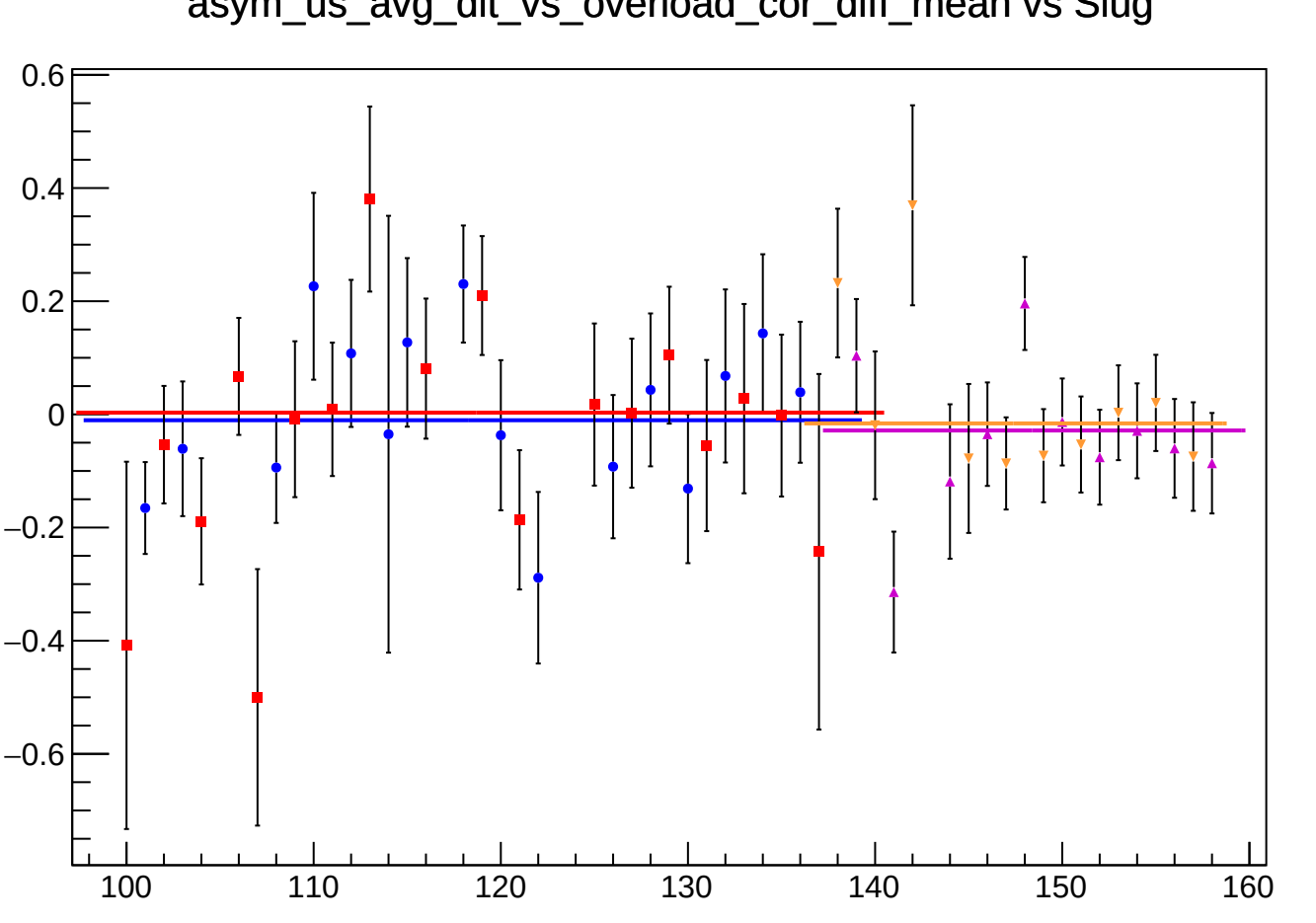
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 60.824+/-0.015 χ^2/NDF:506537.0/9

+ sign 61.076+/-0.012 χ^2/NDF: 1434463.2/25

All: 60.853+/-0.008 χ^2/NDF: 2653076.2/53

- sign 60.650+/-0.011 χ^2/NDF: 1217927.7/27



Right In: -0.010+/-0.032 χ^2/NDF: 20.2/15

Left Out: -0.016+/-0.031 χ^2/NDF:10.6/9

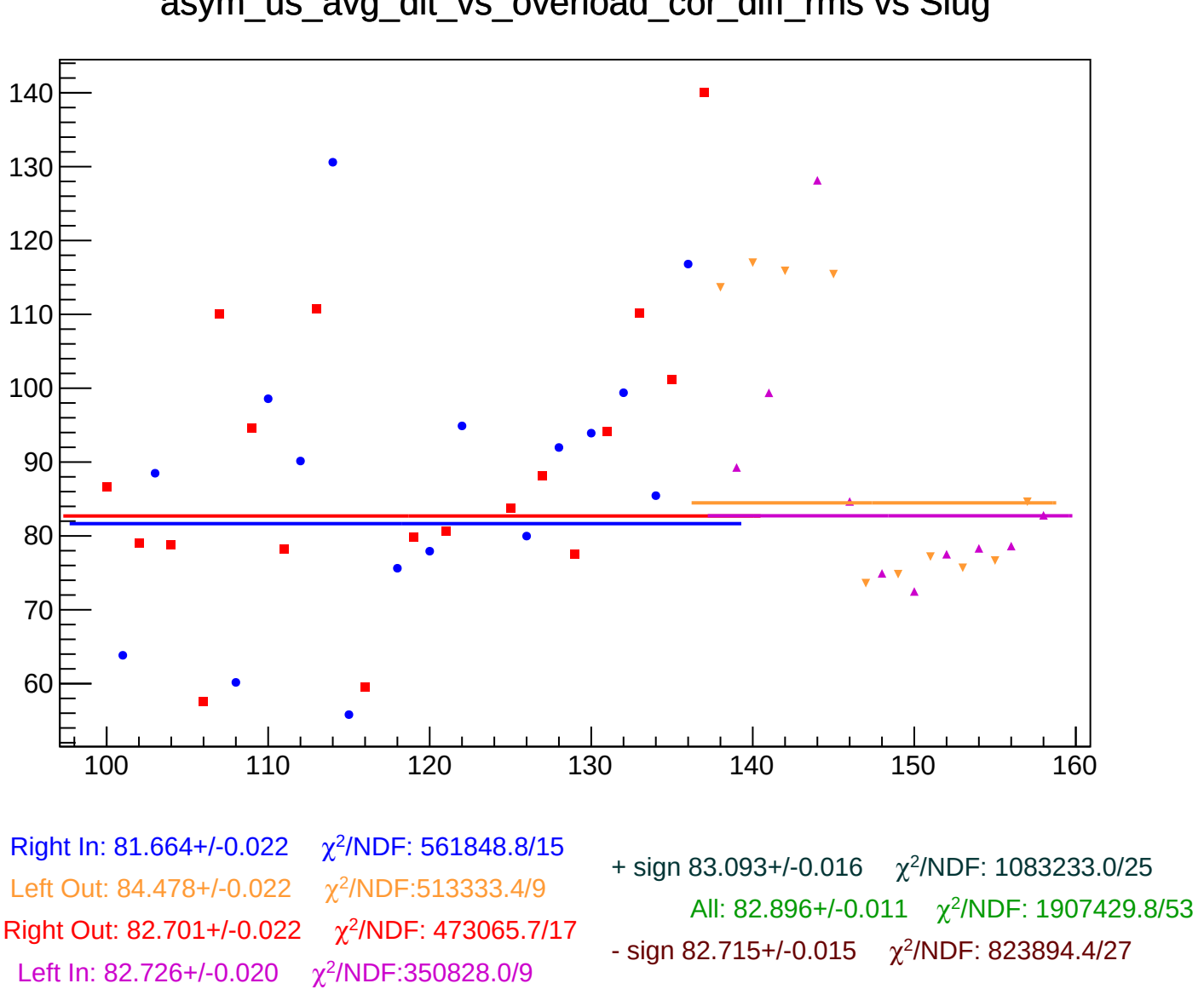
Right Out: 0.003+/-0.032 χ^2/NDF: 23.7/17

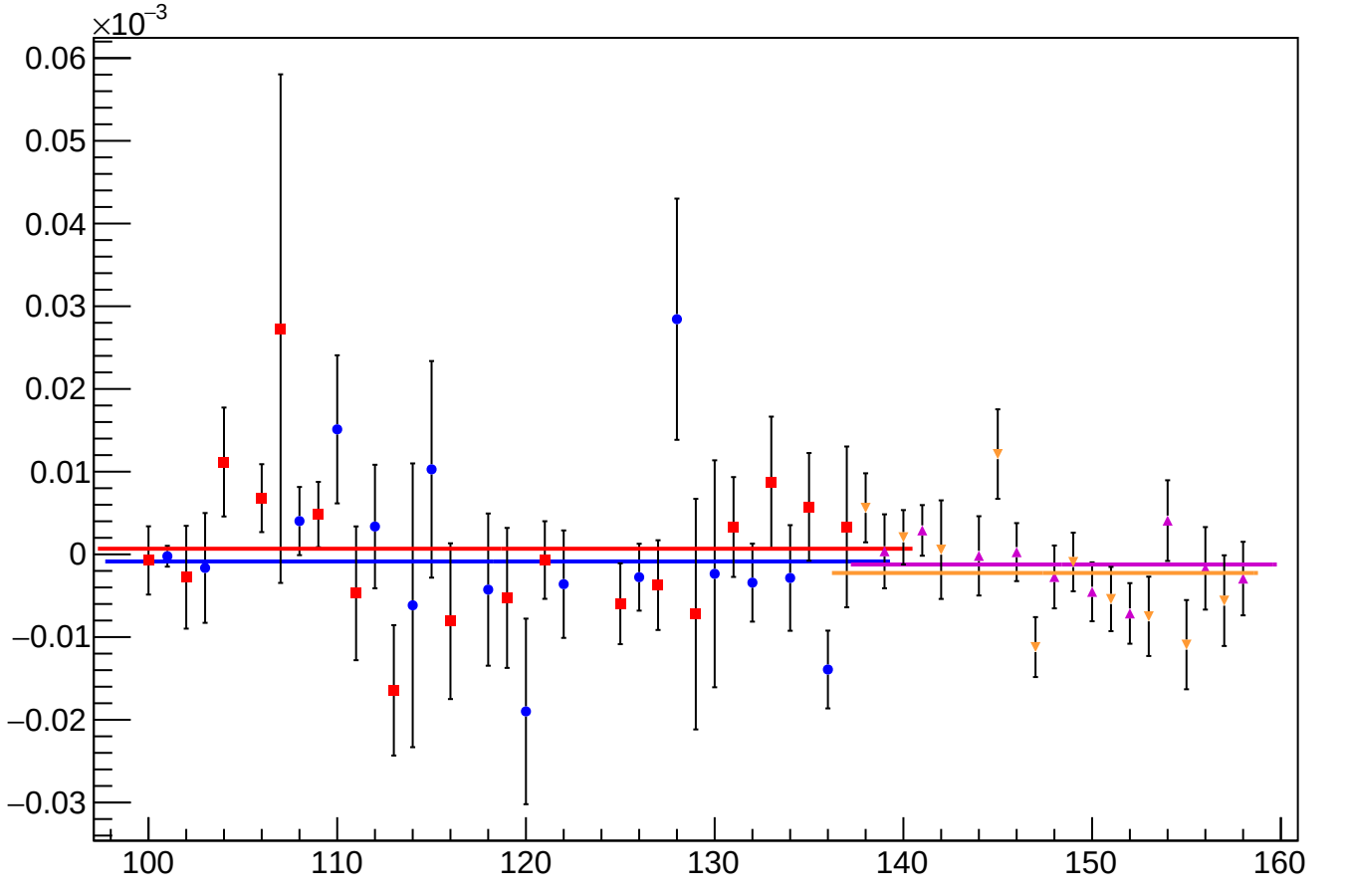
Left In: -0.028+/-0.029 χ^2/NDF:17.7/9

+ sign -0.013+/-0.022 χ^2/NDF: 30.8/25

All: -0.014+/-0.015 χ^2/NDF: 72.7/53

- sign -0.014+/-0.021 χ^2/NDF: 41.9/27


asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug
140
130
120
110
100
90
80
70
60
100
110
120
130
140
150
160
Right In: 81.664+/-0.022 χ²/NDF: 561848.8/15
Left Out: 84.478+/-0.022 χ²/NDF:513333.4/9
Right Out: 82.701+/-0.022 χ²/NDF: 473065.7/17
Left In: 82.726+/-0.020 χ²/NDF:350828.0/9
+ sign 83.093+/-0.016 χ²/NDF: 1083233.0/25
All: 82.896+/-0.011 χ²/NDF: 1907429.8/53
- sign 82.715+/-0.015 χ²/NDF: 823894.4/27



Right In: -0.000+/-0.000 χ^2/NDF: 21.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.6/9

Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/17

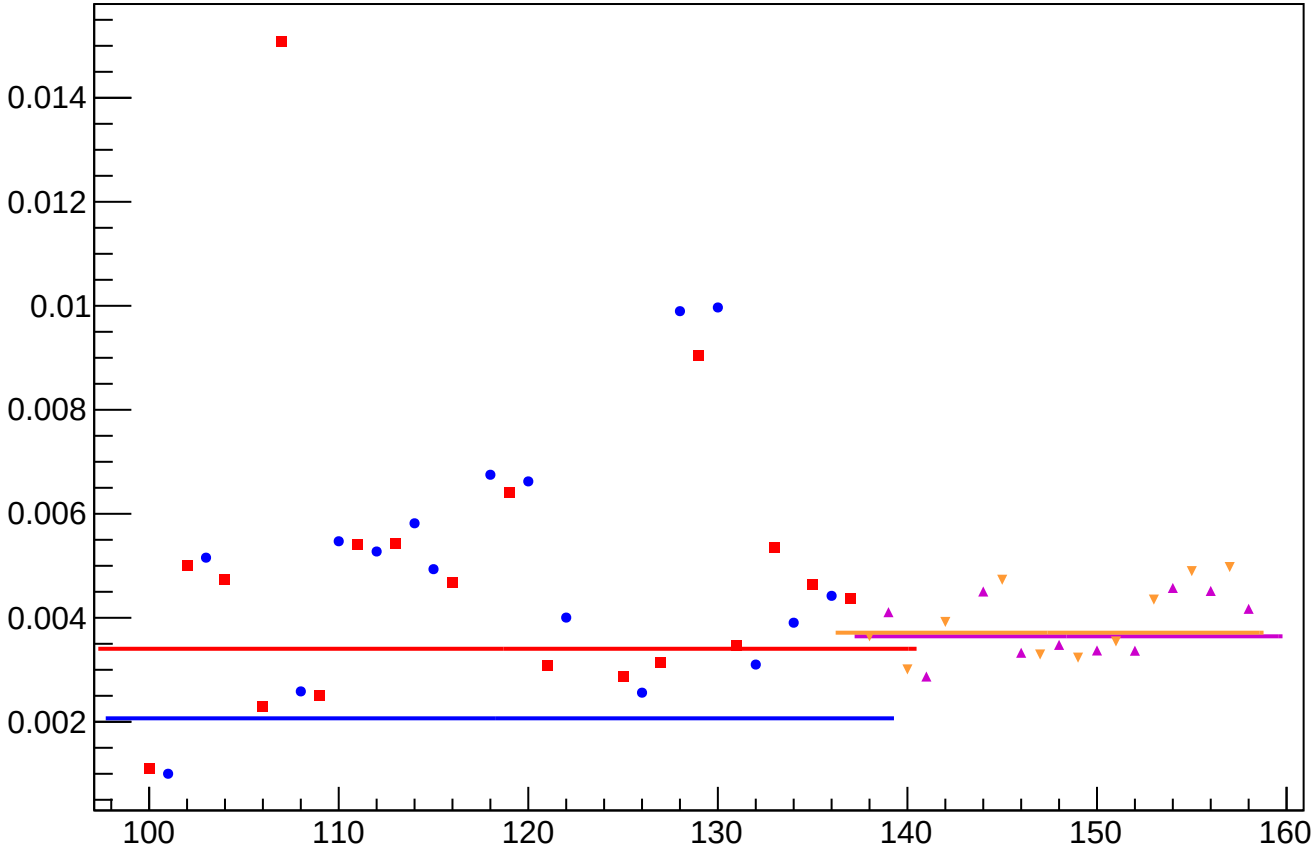
Left In: -0.000+/-0.000 χ^2/NDF:7.1/9

+ sign -0.000+/-0.000 χ^2/NDF: 45.6/25

All: -0.000+/-0.000 χ^2/NDF: 72.7/53

- sign -0.000+/-0.000 χ^2/NDF: 26.5/27

asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 5813338.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:470855.7/9

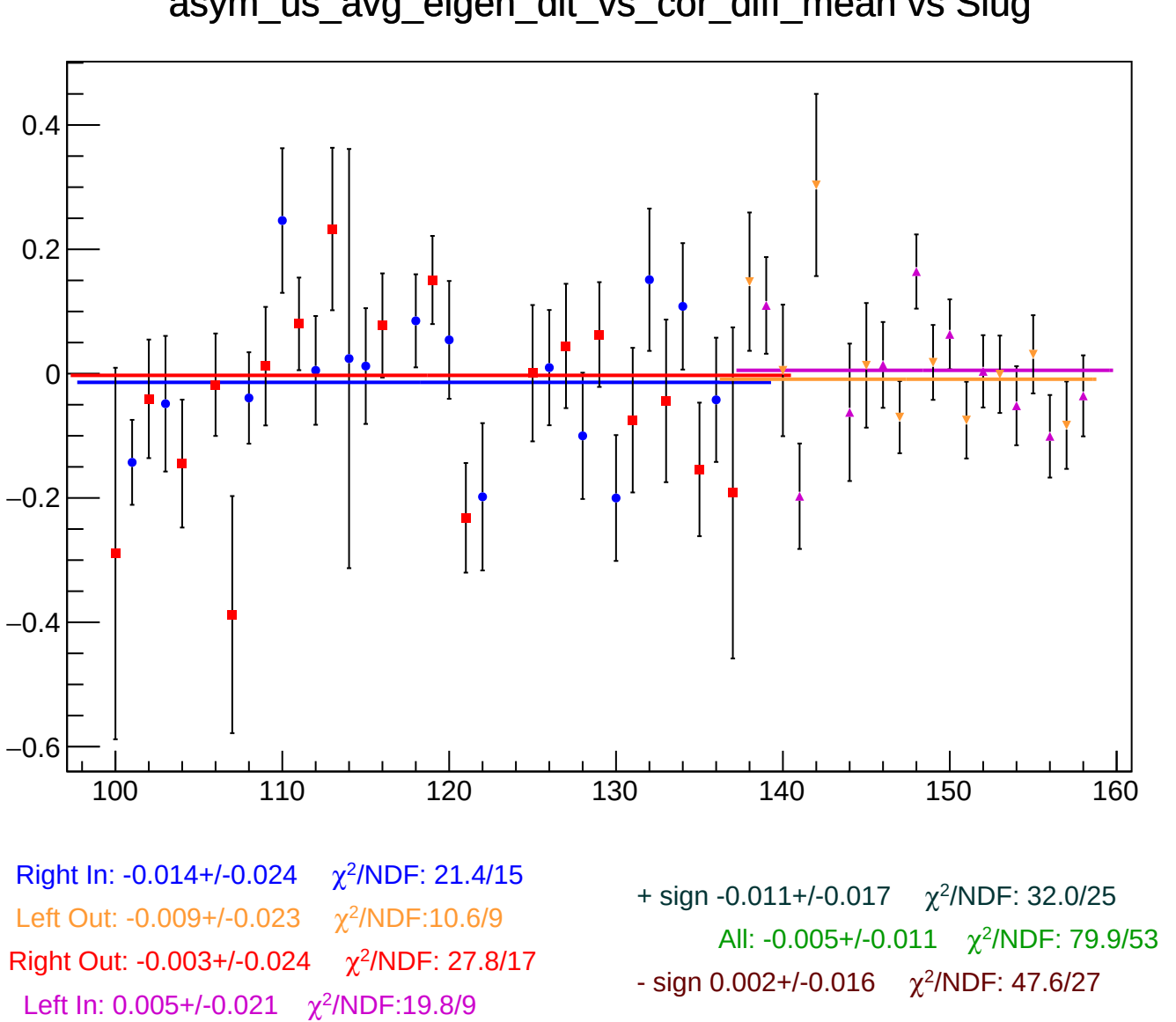
Right Out: 0.003+/-0.000 χ^2/NDF: 2491305.2/17

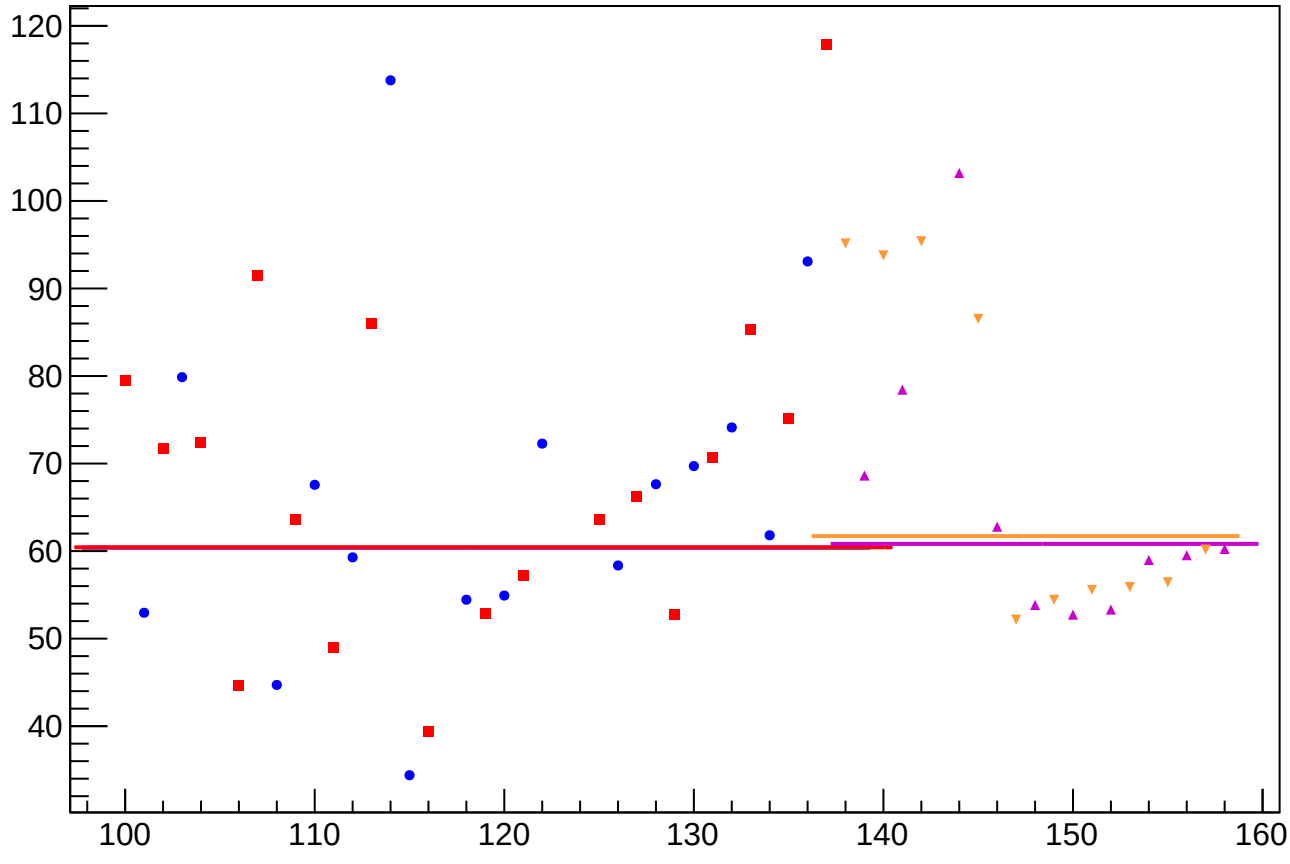
Left In: 0.004+/-0.000 χ^2/NDF:419266.7/9

+ sign 0.003+/-0.000 χ^2/NDF: 8188129.8/25

All: 0.003+/-0.000 χ^2/NDF: 12148209.5/53

- sign 0.004+/-0.000 χ^2/NDF: 2942477.7/27


asym_us_avg_eigen_dit_vs_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
Right In: -0.014+/-0.024 χ²/NDF: 21.4/15
Left Out: -0.009+/-0.023 χ²/NDF:10.6/9
Right Out: -0.003+/-0.024 χ²/NDF: 27.8/17
Left In: 0.005+/-0.021 χ²/NDF:19.8/9
+ sign -0.011+/-0.017 χ²/NDF: 32.0/25
All: -0.005+/-0.011 χ²/NDF: 79.9/53
- sign 0.002+/-0.016 χ²/NDF: 47.6/27



Right In: 60.398+/-0.017 χ^2/NDF: 703169.3/15

Left Out: 61.713+/-0.016 χ^2/NDF:728180.5/9

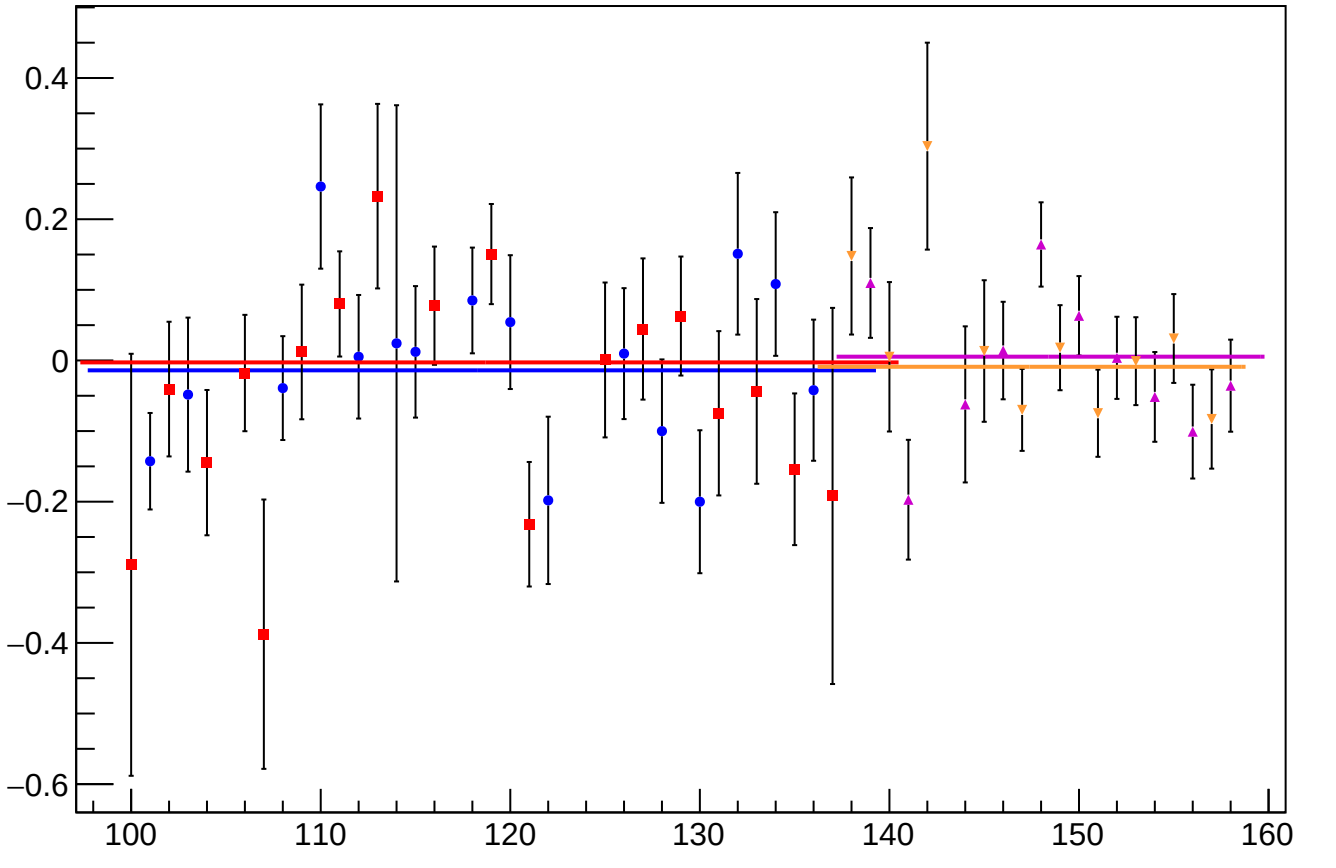
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

Left In: 60.824+/-0.015 χ^2/NDF:506532.6/9

+ sign 61.075+/-0.012 χ^2/NDF: 1434477.3/25

All: 60.853+/-0.008 χ^2/NDF: 2653117.8/53

- sign 60.650+/-0.011 χ^2/NDF: 1217955.3/27



Right In: -0.014+/-0.024 χ^2/NDF: 21.4/15

Left Out: -0.009+/-0.023 χ^2/NDF:10.6/9

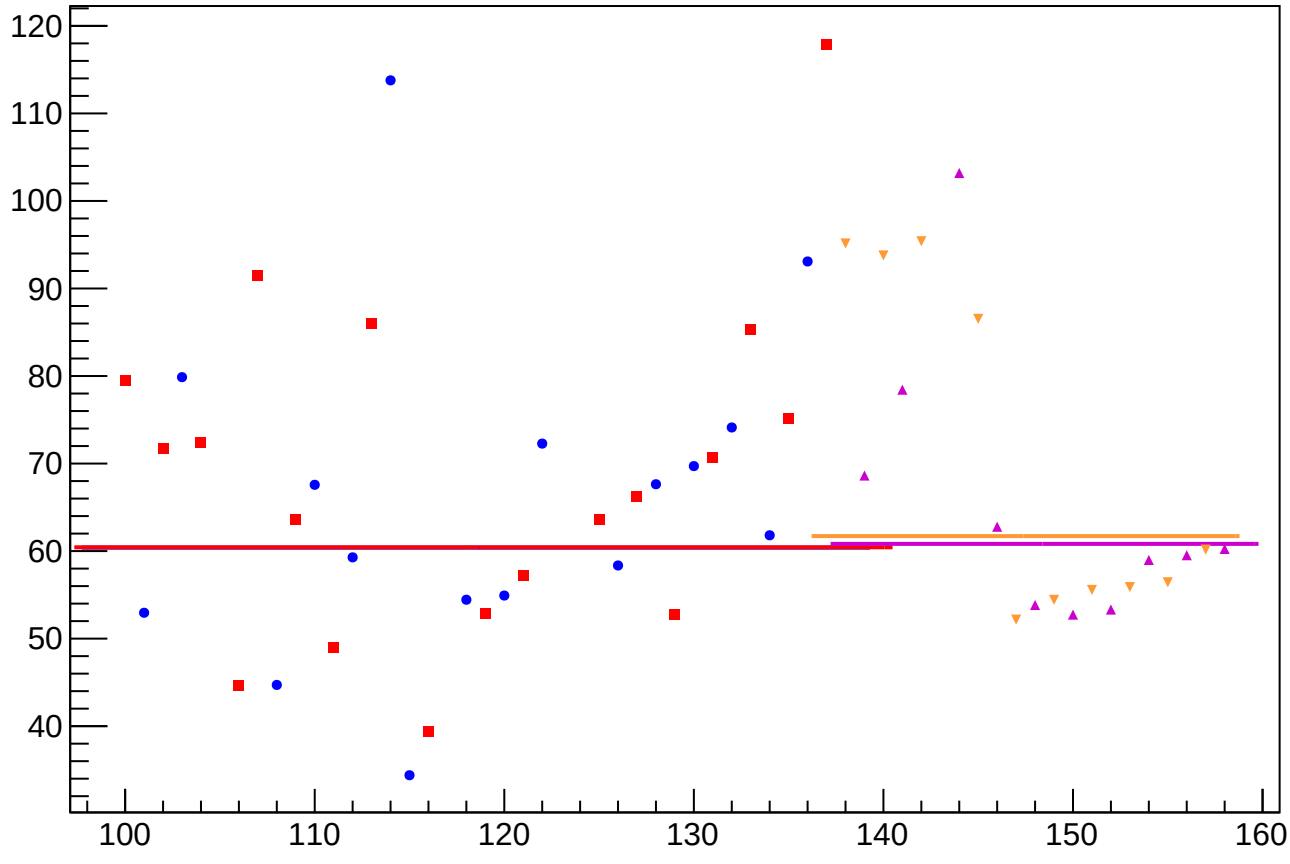
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: 0.005+/-0.021 χ^2/NDF:19.8/9

+ sign -0.011+/-0.017 χ^2/NDF: 32.0/25

All: -0.005+/-0.011 χ^2/NDF: 79.9/53

- sign 0.002+/-0.016 χ^2/NDF: 47.6/27



Right In: 60.398+/-0.017 χ^2/NDF: 703169.3/15

Left Out: 61.713+/-0.016 χ^2/NDF:728180.5/9

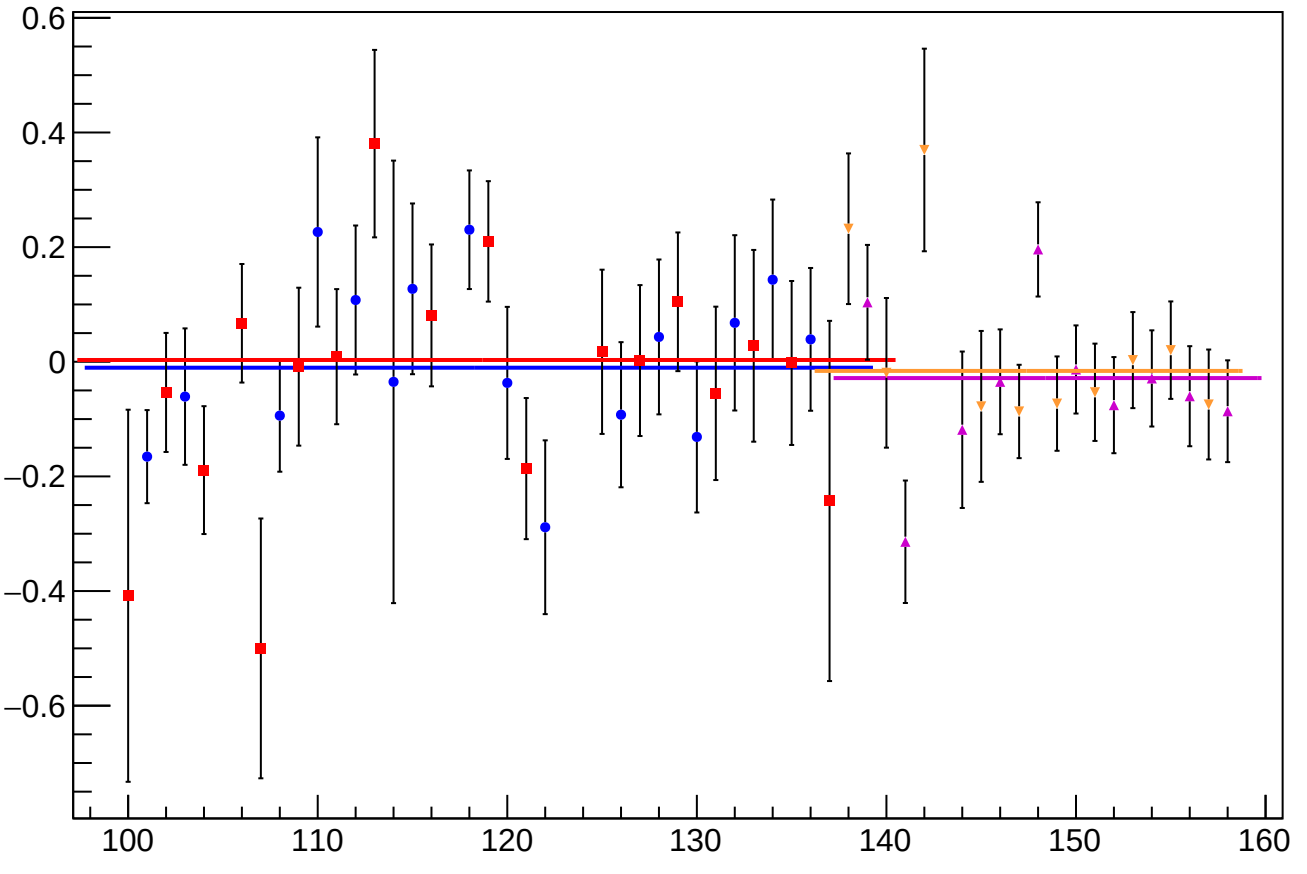
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

Left In: 60.824+/-0.015 χ^2/NDF:506532.6/9

+ sign 61.075+/-0.012 χ^2/NDF: 1434477.3/25

All: 60.853+/-0.008 χ^2/NDF: 2653117.8/53

- sign 60.650+/-0.011 χ^2/NDF: 1217955.3/27



Right In: -0.010+/-0.032 χ^2/NDF: 20.2/15

Left Out: -0.016+/-0.031 χ^2/NDF:10.6/9

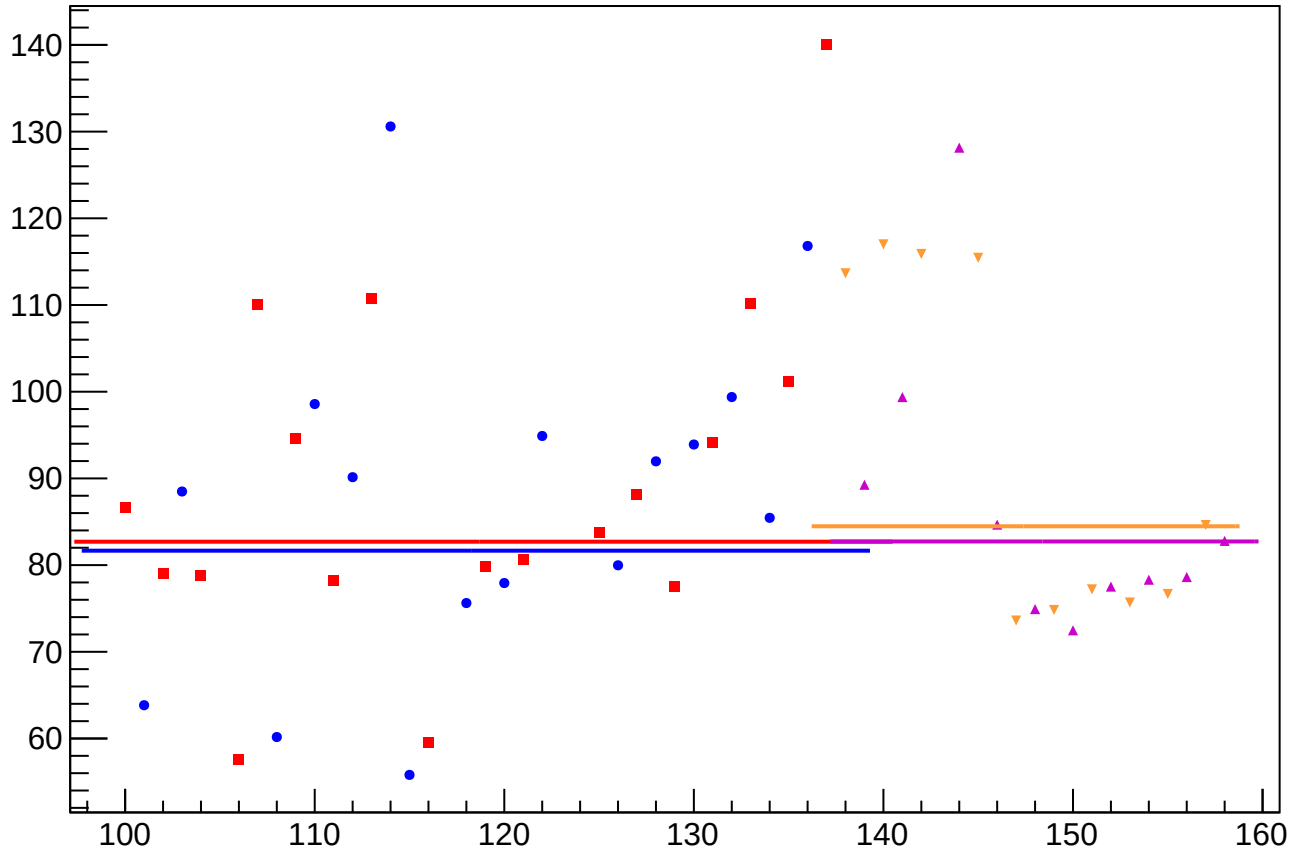
Right Out: 0.003+/-0.032 χ^2/NDF: 23.7/17

Left In: -0.028+/-0.029 χ^2/NDF:17.7/9

+ sign -0.013+/-0.022 χ^2/NDF: 30.8/25

All: -0.014+/-0.015 χ^2/NDF: 72.7/53

- sign -0.014+/-0.021 χ^2/NDF: 41.9/27



Right In: 81.663+/-0.022 χ^2/NDF: 561836.4/15

Left Out: 84.478+/-0.022 χ^2/NDF:513330.5/9

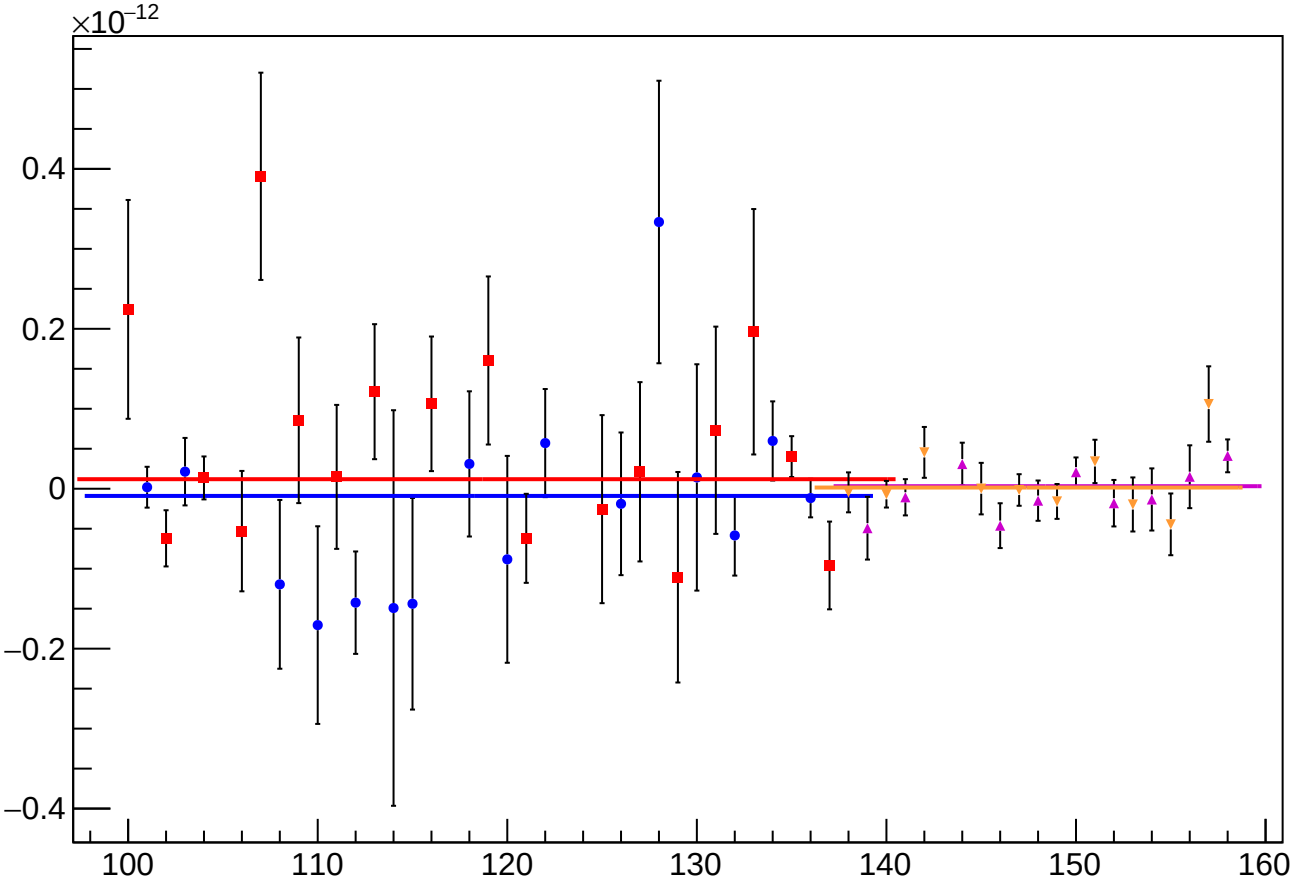
Right Out: 82.700+/-0.022 χ^2/NDF: 473062.4/17

Left In: 82.727+/-0.020 χ^2/NDF:350827.3/9

+ sign 83.092+/-0.016 χ^2/NDF: 1083223.4/25

All: 82.896+/-0.011 χ^2/NDF: 1907416.2/53

- sign 82.715+/-0.015 χ^2/NDF: 823890.4/27



Right In: -0.000+/-0.000 χ^2/NDF: 17.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.1/9

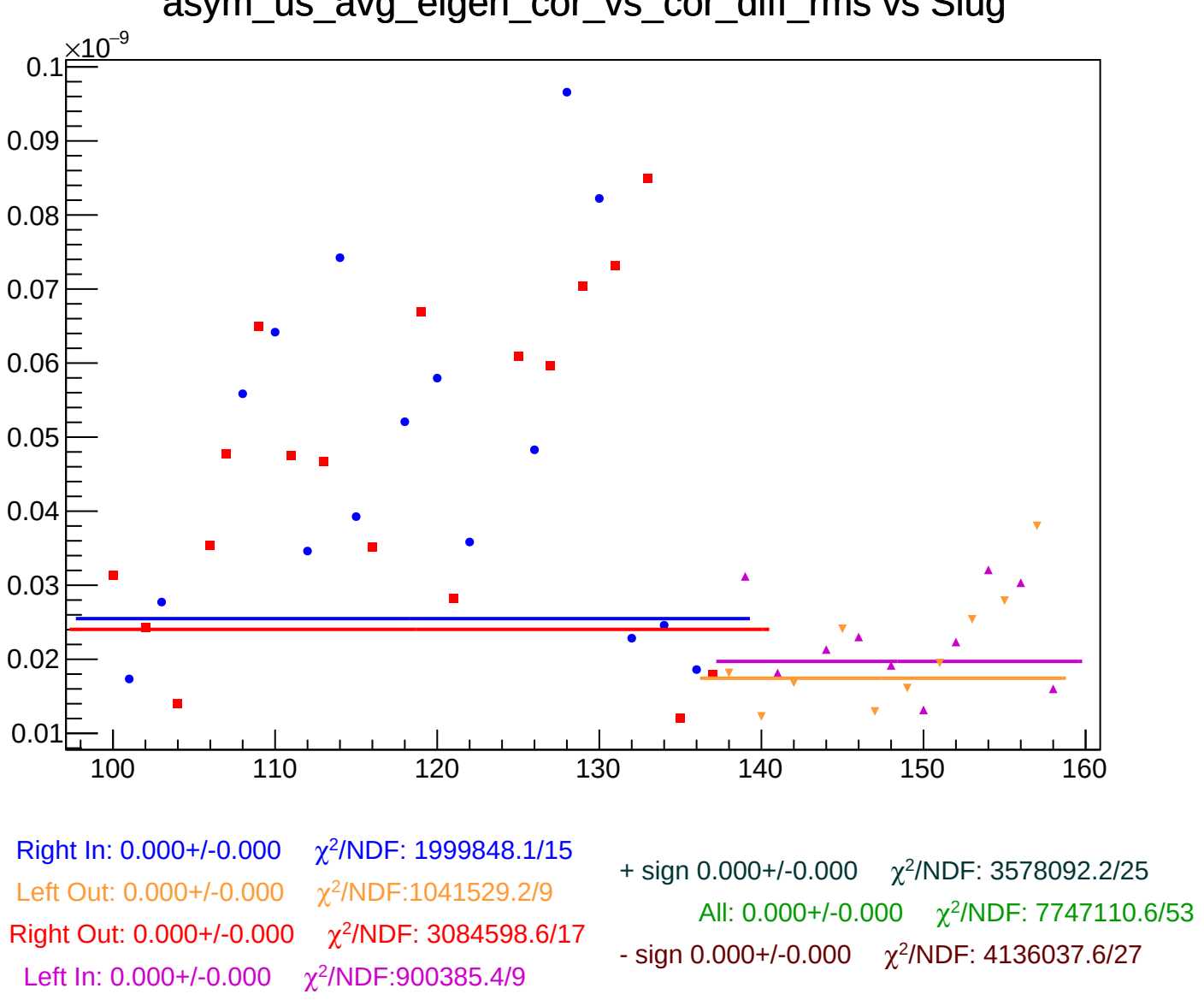
Right Out: 0.000+/-0.000 χ^2/NDF: 31.1/17

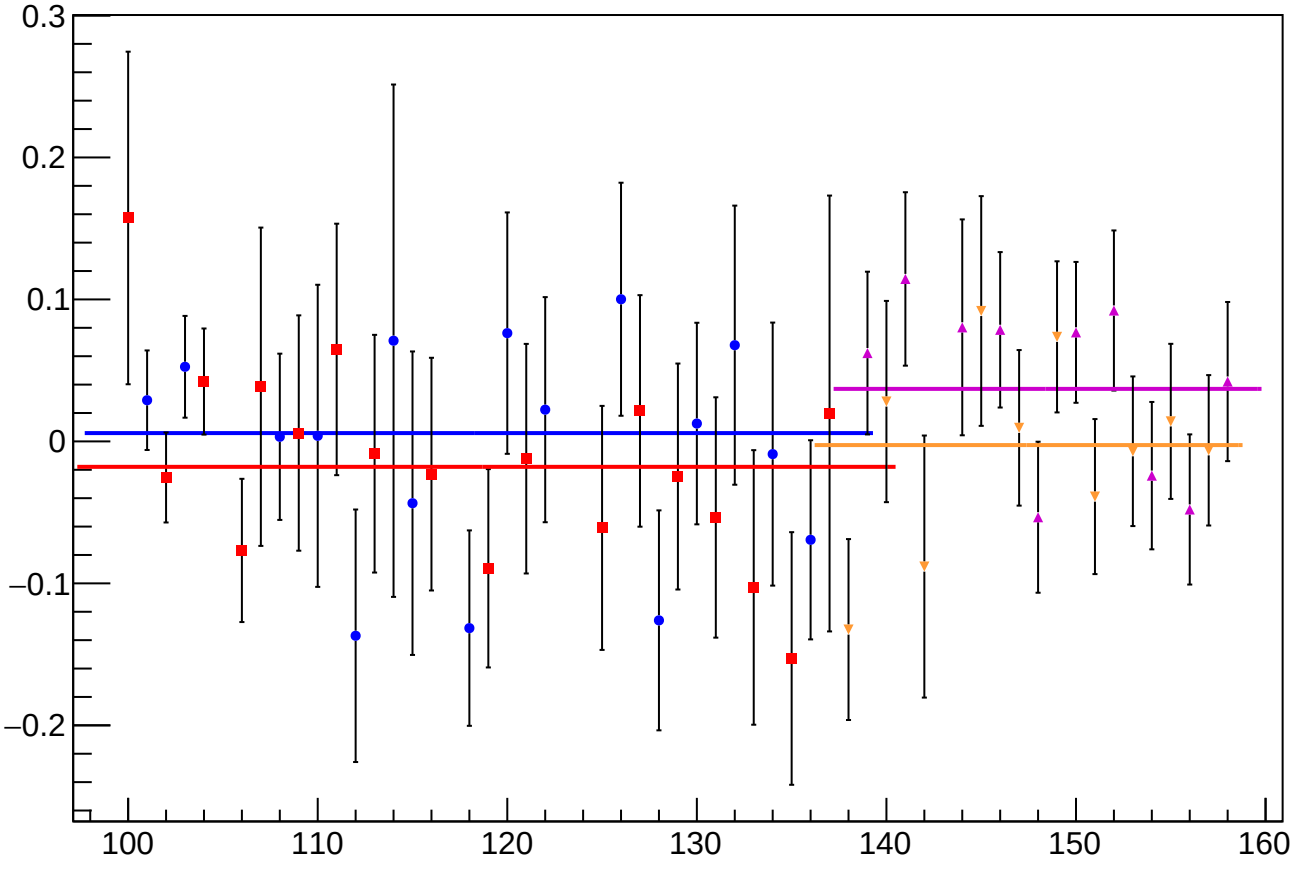
Left In: 0.000+/-0.000 χ^2/NDF:12.0/9

+ sign -0.000+/-0.000 χ^2/NDF: 29.0/25

All: 0.000+/-0.000 χ^2/NDF: 72.8/53

- sign 0.000+/-0.000 χ^2/NDF: 43.4/27


asym_us_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1999848.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1041529.2/9
Right Out: 0.000+/-0.000 χ²/NDF: 3084598.6/17
Left In: 0.000+/-0.000 χ²/NDF:900385.4/9
+ sign 0.000+/-0.000 χ²/NDF: 3578092.2/25
All: 0.000+/-0.000 χ²/NDF: 7747110.6/53
- sign 0.000+/-0.000 χ²/NDF: 4136037.6/27



Right In: 0.006+/-0.017 χ^2/NDF: 15.6/15

Left Out: -0.003+/-0.019 χ^2/NDF:9.2/9

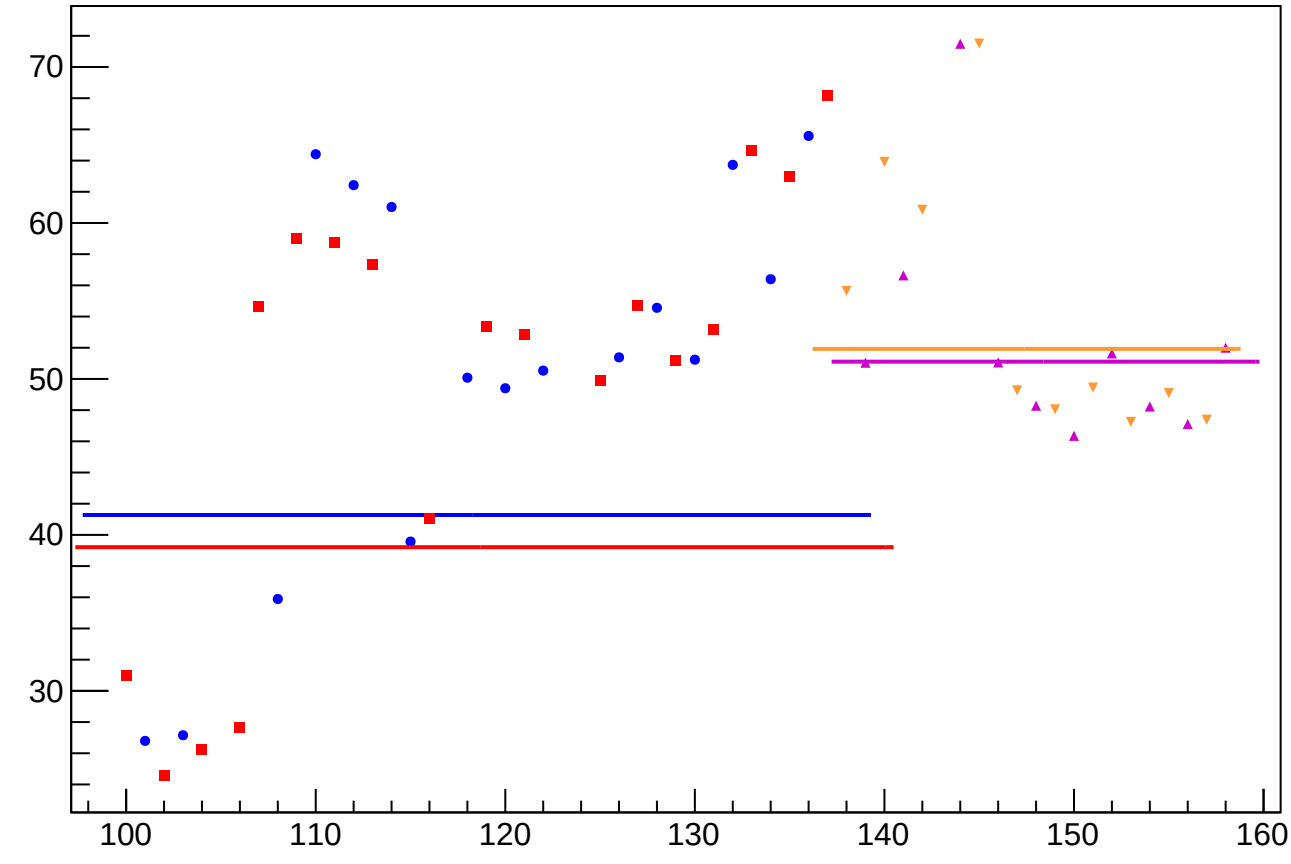
Right Out: -0.018+/-0.016 χ^2/NDF: 12.3/17

Left In: 0.037+/-0.018 χ^2/NDF:11.2/9

+ sign 0.002+/-0.012 χ^2/NDF: 24.9/25

All: 0.004+/-0.009 χ^2/NDF: 53.8/53

- sign 0.006+/-0.012 χ^2/NDF: 28.9/27



Right In: 41.277+/-0.012 χ^2/NDF: 1505245.8/15

Left Out: 51.927+/-0.013 χ^2/NDF:255102.0/9

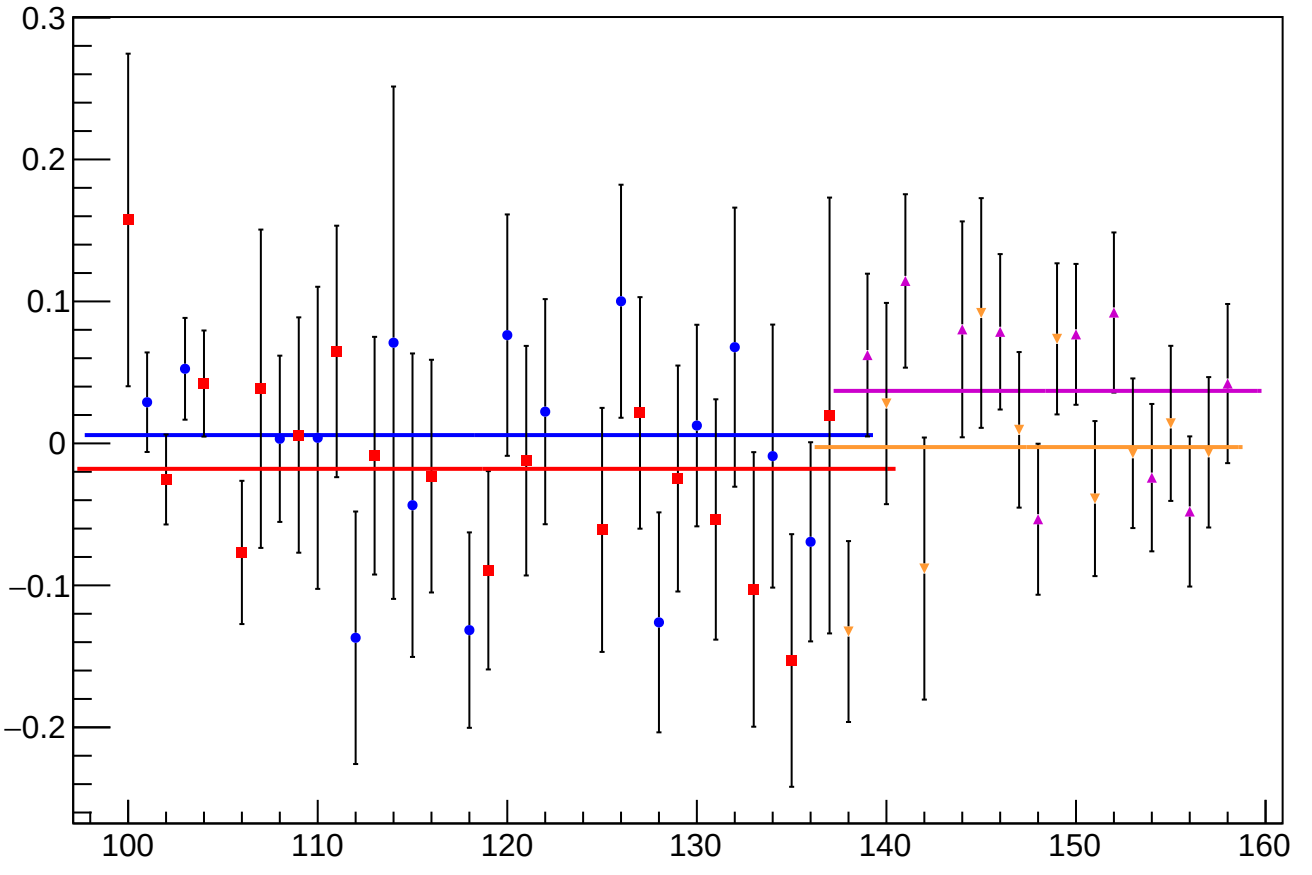
Right Out: 39.212+/-0.011 χ^2/NDF: 1819921.9/17

Left In: 51.107+/-0.012 χ^2/NDF:202440.0/9

+ sign 45.881+/-0.009 χ^2/NDF: 2119475.8/25

All: 45.135+/-0.006 χ^2/NDF: 4660714.1/53

- sign 44.470+/-0.008 χ^2/NDF: 2527656.2/27



Right In: 0.006+/-0.017 χ^2/NDF: 15.6/15

Left Out: -0.003+/-0.019 χ^2/NDF:9.2/9

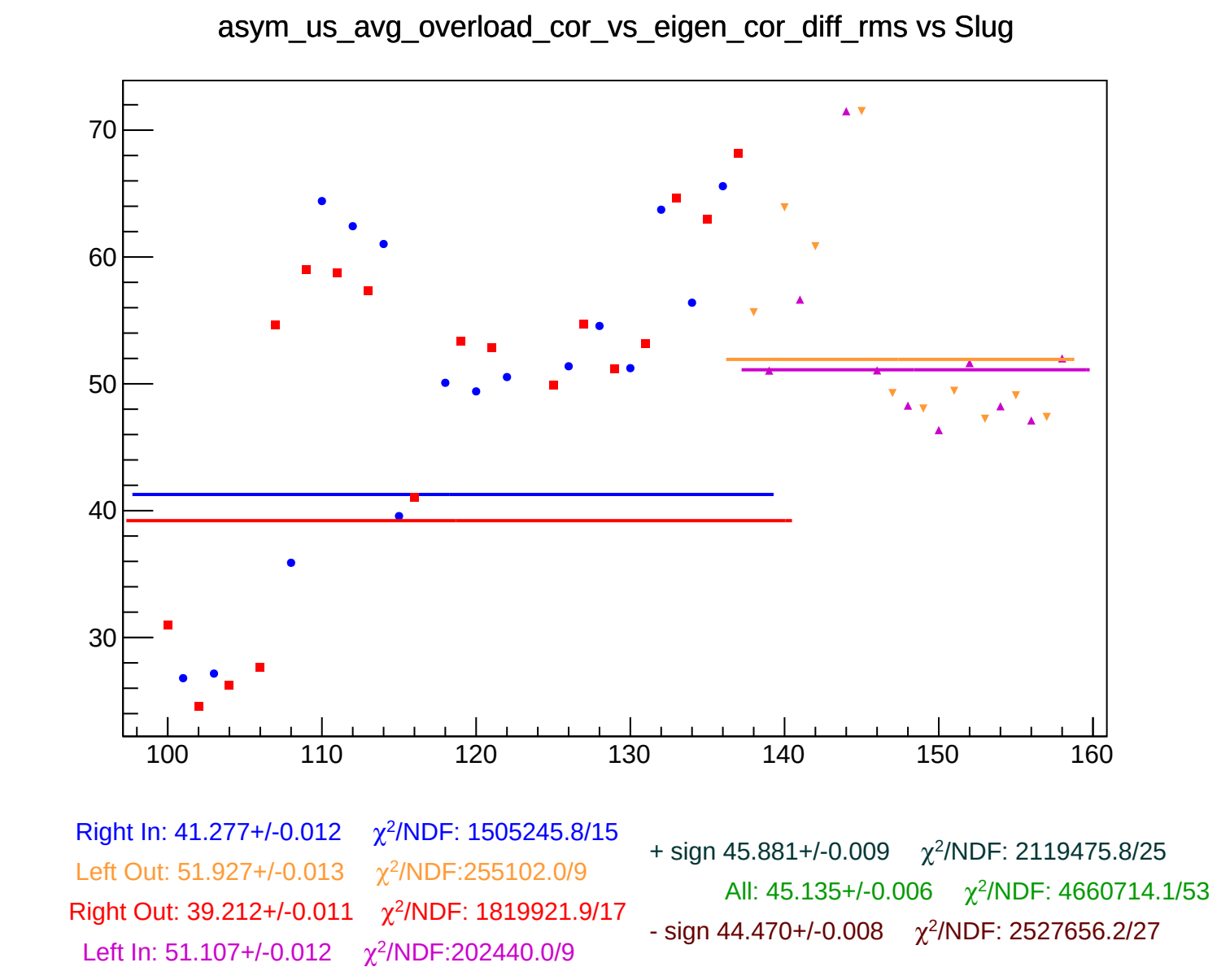
Right Out: -0.018+/-0.016 χ^2/NDF: 12.3/17

Left In: 0.037+/-0.018 χ^2/NDF:11.2/9

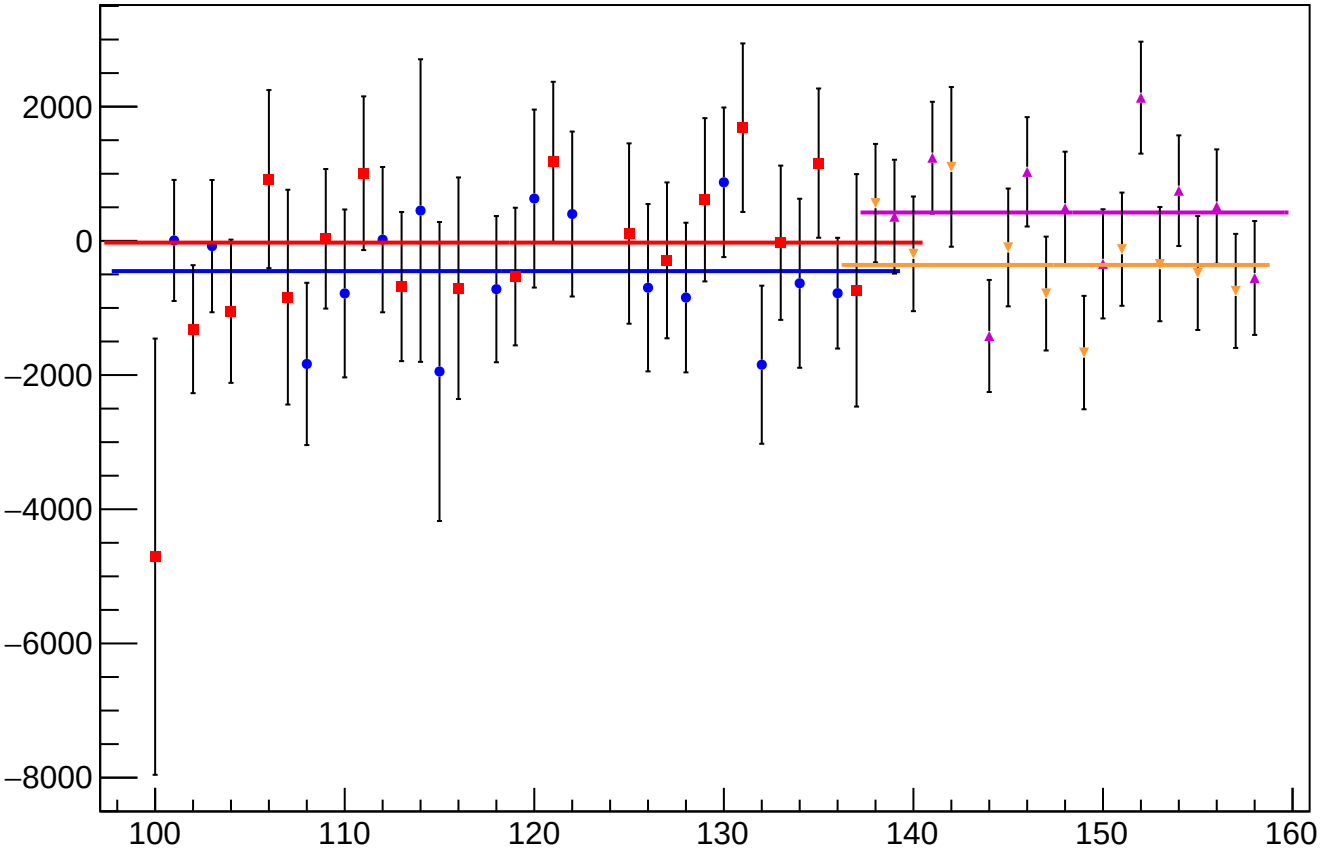
+ sign 0.002+/-0.012 χ^2/NDF: 24.9/25

All: 0.004+/-0.009 χ^2/NDF: 53.8/53

- sign 0.006+/-0.012 χ^2/NDF: 28.9/27


asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs Slug
70
60
50
40
30
100
110
120
130
140
150
160
Right In: 41.277+/-0.012 χ²/NDF: 1505245.8/15
Left Out: 51.927+/-0.013 χ²/NDF:255102.0/9
Right Out: 39.212+/-0.011 χ²/NDF: 1819921.9/17
Left In: 51.107+/-0.012 χ²/NDF:202440.0/9
+ sign 45.881+/-0.009 χ²/NDF: 2119475.8/25
All: 45.135+/-0.006 χ²/NDF: 4660714.1/53
- sign 44.470+/-0.008 χ²/NDF: 2527656.2/27

reg_asym_us_dd_mean vs Slug



Right In: -450.953+/-288.950 χ^2/NDF: 6.9/15

Left Out: -358.900+/-277.330 χ^2/NDF:5.7/9

Right Out: -26.099+/-288.079 χ^2/NDF: 11.7/17

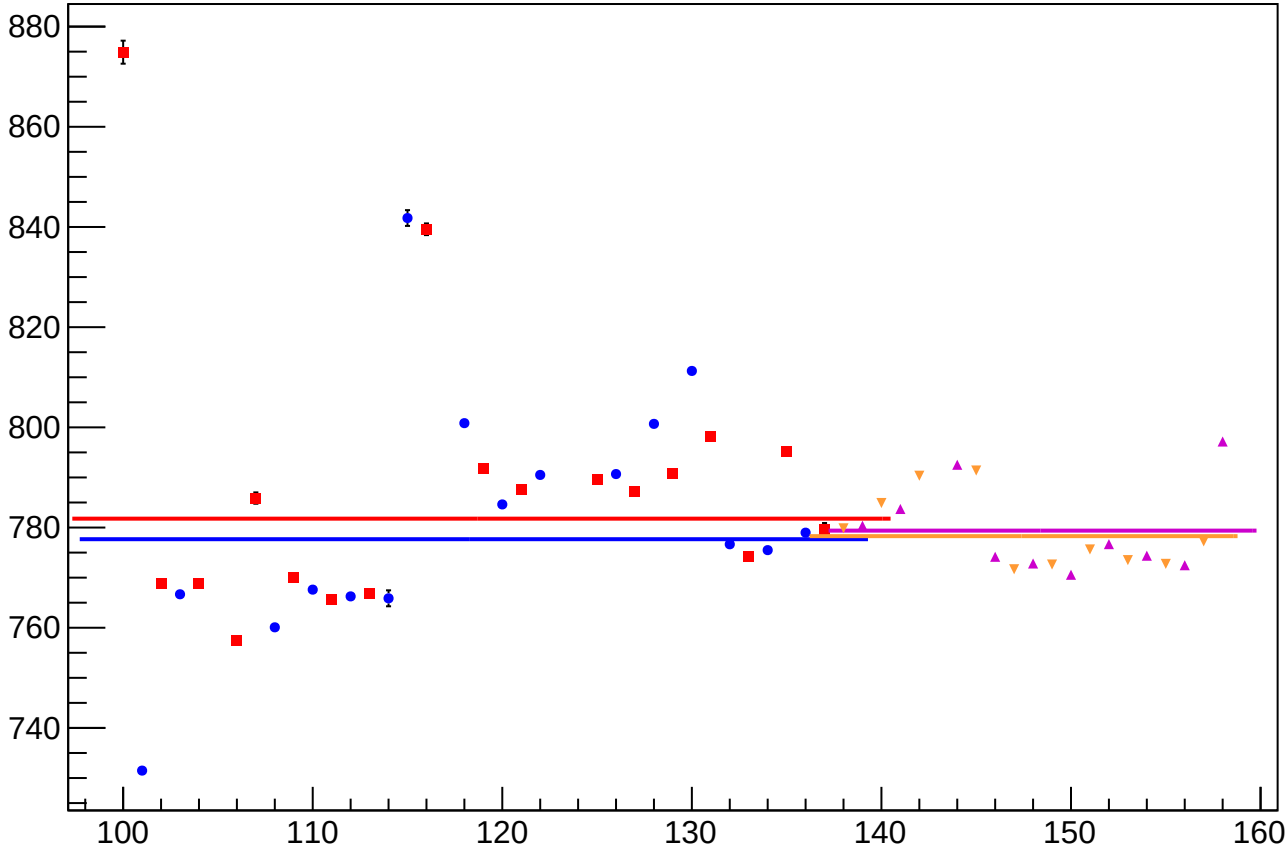
Left In: 422.600+/-263.872 χ^2/NDF:13.0/9

+ sign -403.038+/-200.084 χ^2/NDF: 12.7/25

All: -83.918+/-139.495 χ^2/NDF: 43.6/53

- sign 217.892+/-194.582 χ^2/NDF: 26.0/27

reg_asym_us_dd_rms vs Slug



Right In: 777.674+/-0.204 χ^2/NDF: 12055.4/15

Left Out: 778.283+/-0.196 χ^2/NDF:1159.5/9

Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

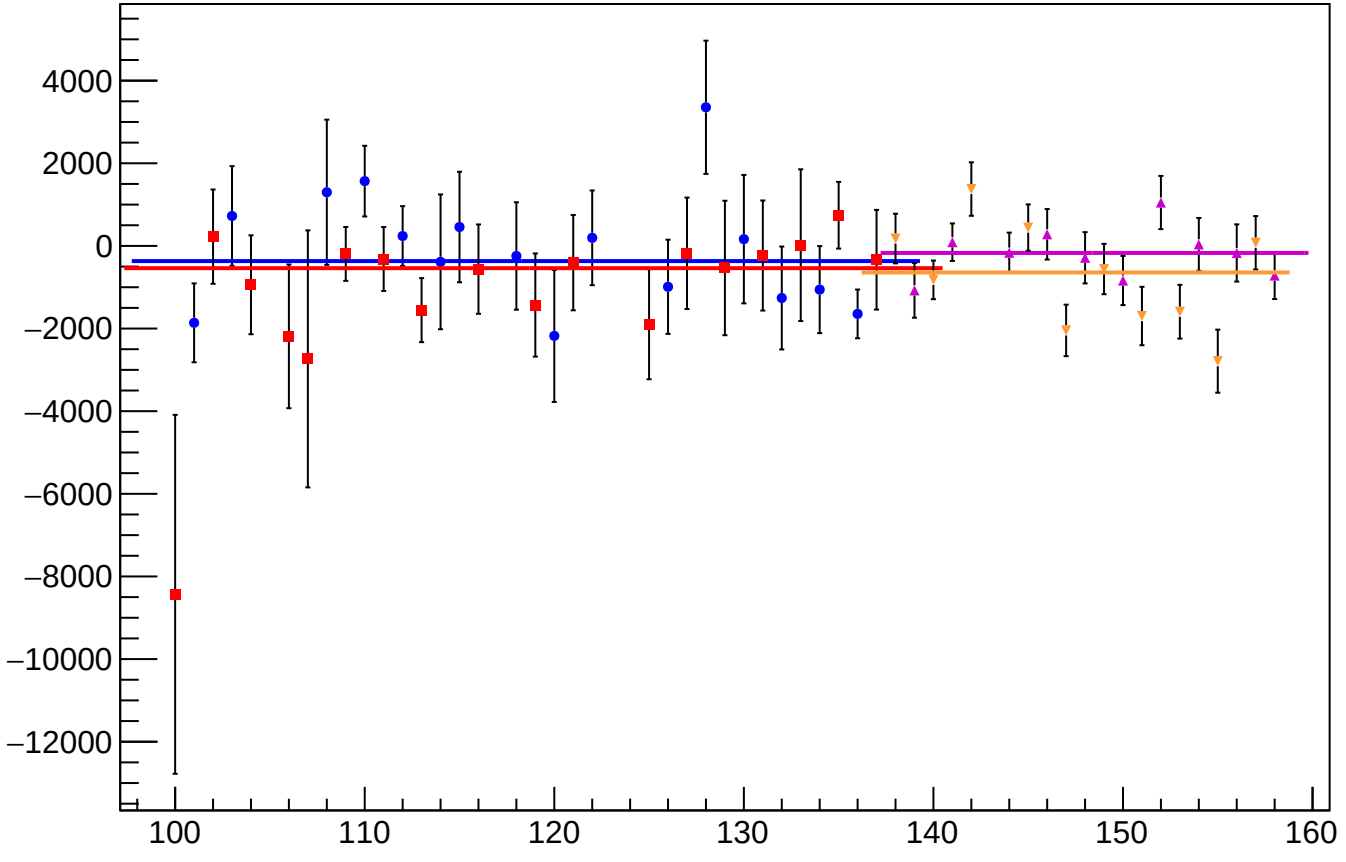
Left In: 779.388+/-0.187 χ^2/NDF:2095.0/9

+ sign 777.991+/-0.141 χ^2/NDF: 13219.5/25

All: 779.269+/-0.099 χ^2/NDF: 23174.4/53

- sign 780.478+/-0.138 χ^2/NDF: 9796.1/27

asym_us_dd_reg_correction_mean vs Slug



Right In: -367.008+/-266.698 χ^2/NDF: 23.3/15

Left Out: -642.163+/-193.669 χ^2/NDF:34.1/9

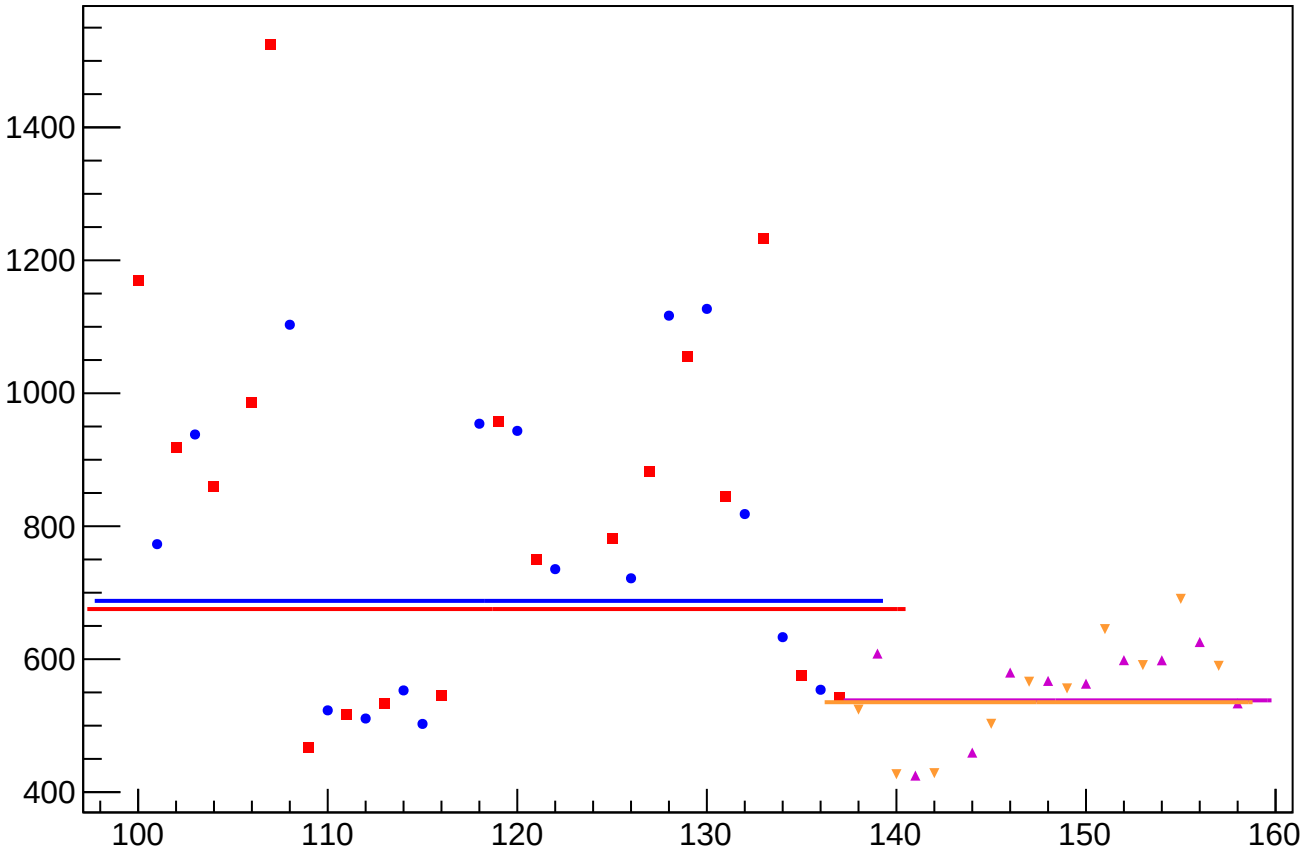
Right Out: -538.887+/-262.907 χ^2/NDF: 11.7/17

Left In: -170.294+/-184.124 χ^2/NDF:8.7/9

+ sign -547.163+/-156.709 χ^2/NDF: 58.1/25

All: -414.481+/-108.667 χ^2/NDF: 81.1/53

- sign -291.589+/-150.817 χ^2/NDF: 21.6/27



Right In: 687.717+/-0.189 χ^2/NDF: 1031906.6/15

Left Out: 535.283+/-0.137 χ^2/NDF:336974.1/9

Right Out: 675.410+/-0.186 χ^2/NDF: 1313004.6/17

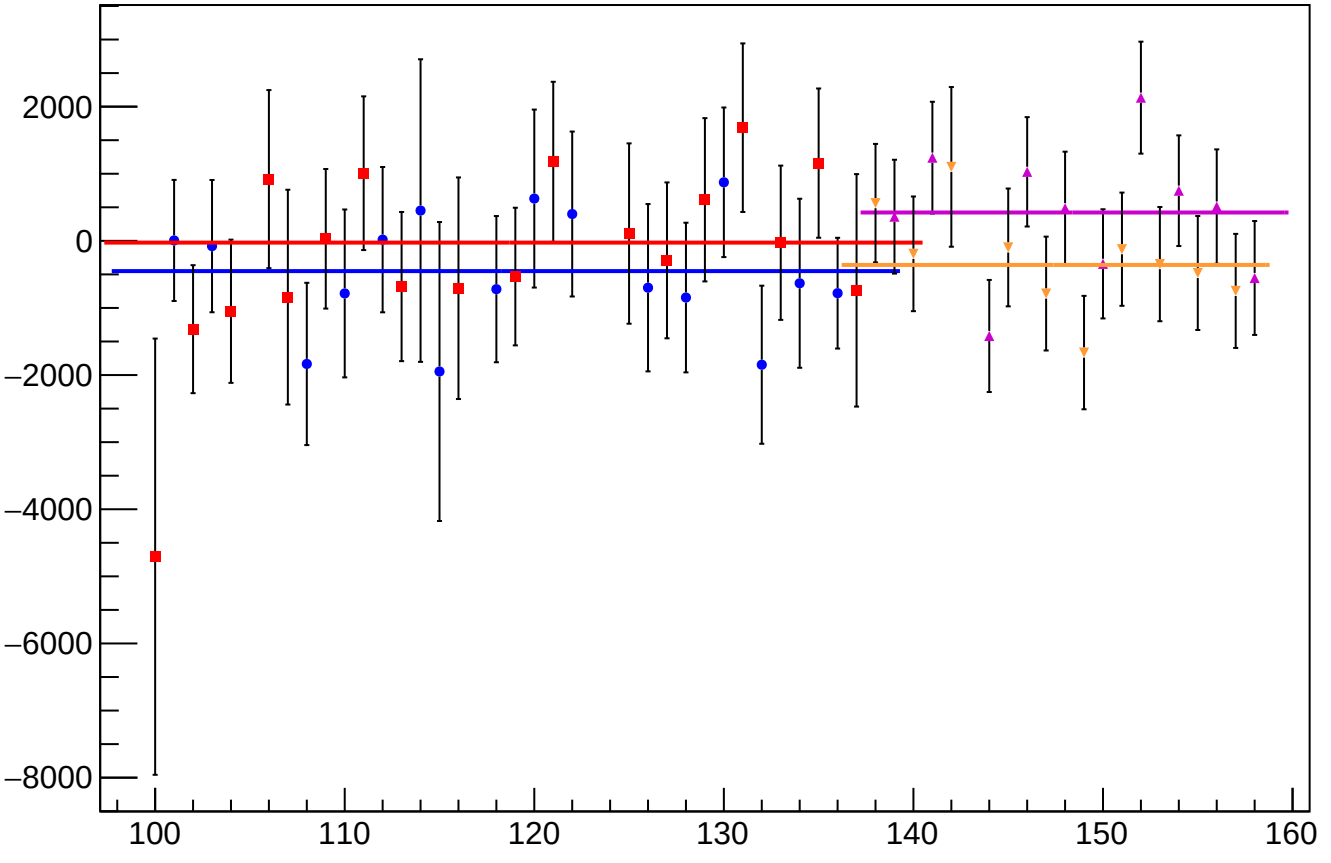
Left In: 538.064+/-0.130 χ^2/NDF:284227.0/9

+ sign 587.912+/-0.111 χ^2/NDF: 1796663.8/25

All: 585.497+/-0.077 χ^2/NDF: 3761022.1/53

- sign 583.261+/-0.107 χ^2/NDF: 1963443.4/27

cor_asym_us_dd_mean vs Slug



Right In: -450.953+/-288.950 χ^2/NDF: 6.9/15

Left Out: -358.900+/-277.330 χ^2/NDF:5.7/9

Right Out: -26.099+/-288.079 χ^2/NDF: 11.7/17

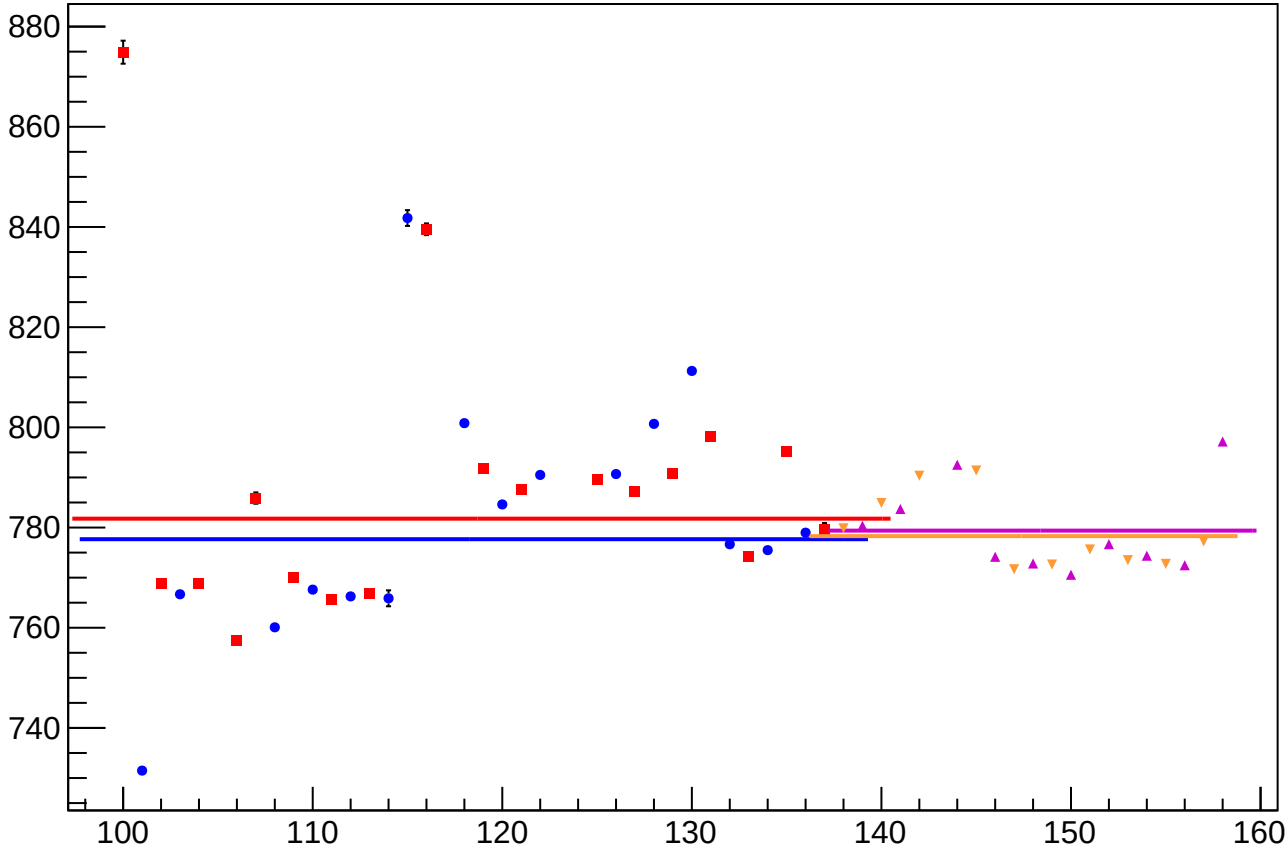
Left In: 422.600+/-263.872 χ^2/NDF:13.0/9

+ sign -403.038+/-200.084 χ^2/NDF: 12.7/25

All: -83.918+/-139.495 χ^2/NDF: 43.6/53

- sign 217.892+/-194.582 χ^2/NDF: 26.0/27

cor_asym_us_dd_rms vs Slug



Right In: 777.674+/-0.204 χ^2/NDF: 12055.4/15

Left Out: 778.283+/-0.196 χ^2/NDF:1159.5/9

Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

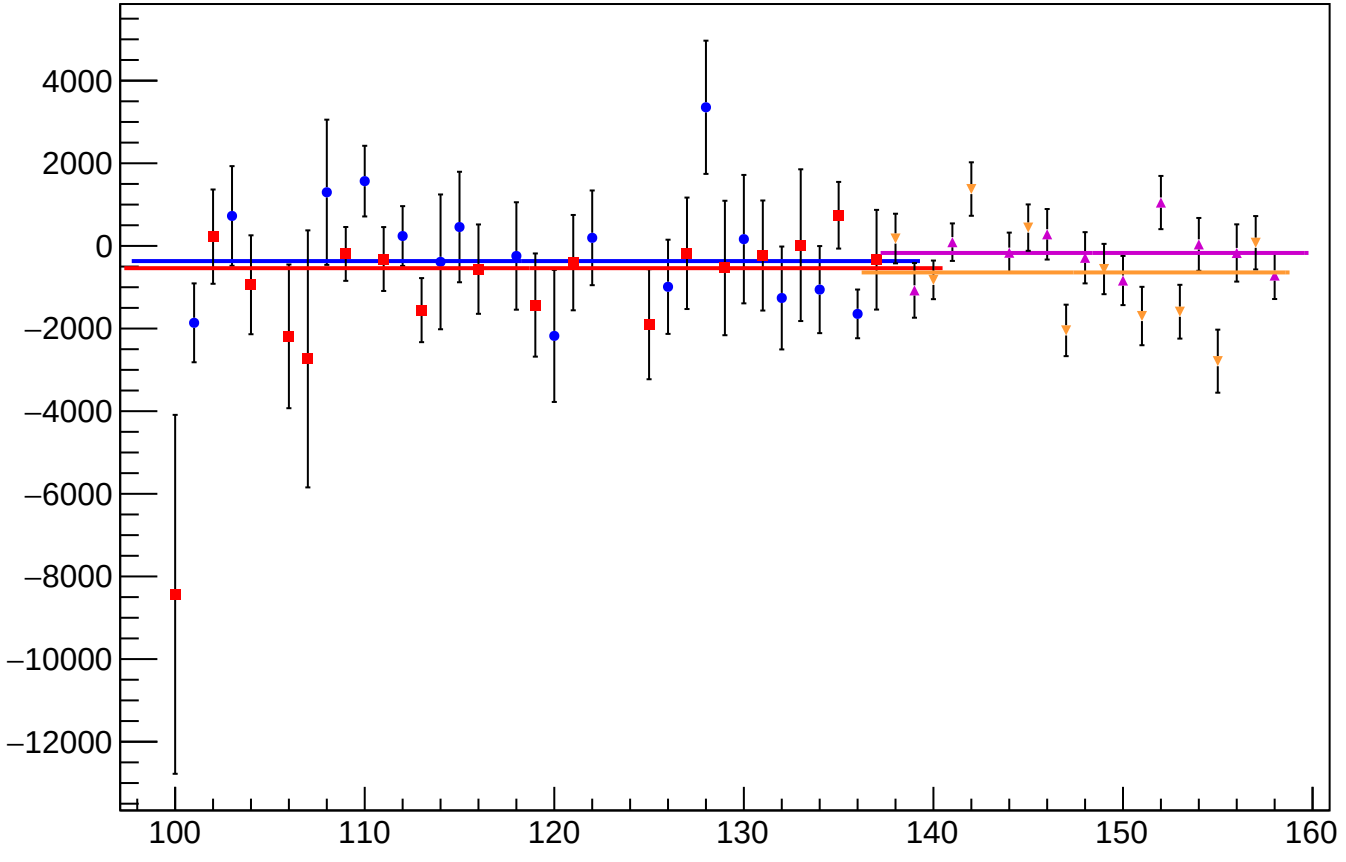
Left In: 779.388+/-0.187 χ^2/NDF:2095.0/9

+ sign 777.991+/-0.141 χ^2/NDF: 13219.5/25

All: 779.269+/-0.099 χ^2/NDF: 23174.4/53

- sign 780.478+/-0.138 χ^2/NDF: 9796.1/27

asym_us_dd_cor_correction_mean vs Slug



Right In: -367.008+/-266.698 χ^2/NDF: 23.3/15

Left Out: -642.163+/-193.669 χ^2/NDF:34.1/9

Right Out: -538.887+/-262.907 χ^2/NDF: 11.7/17

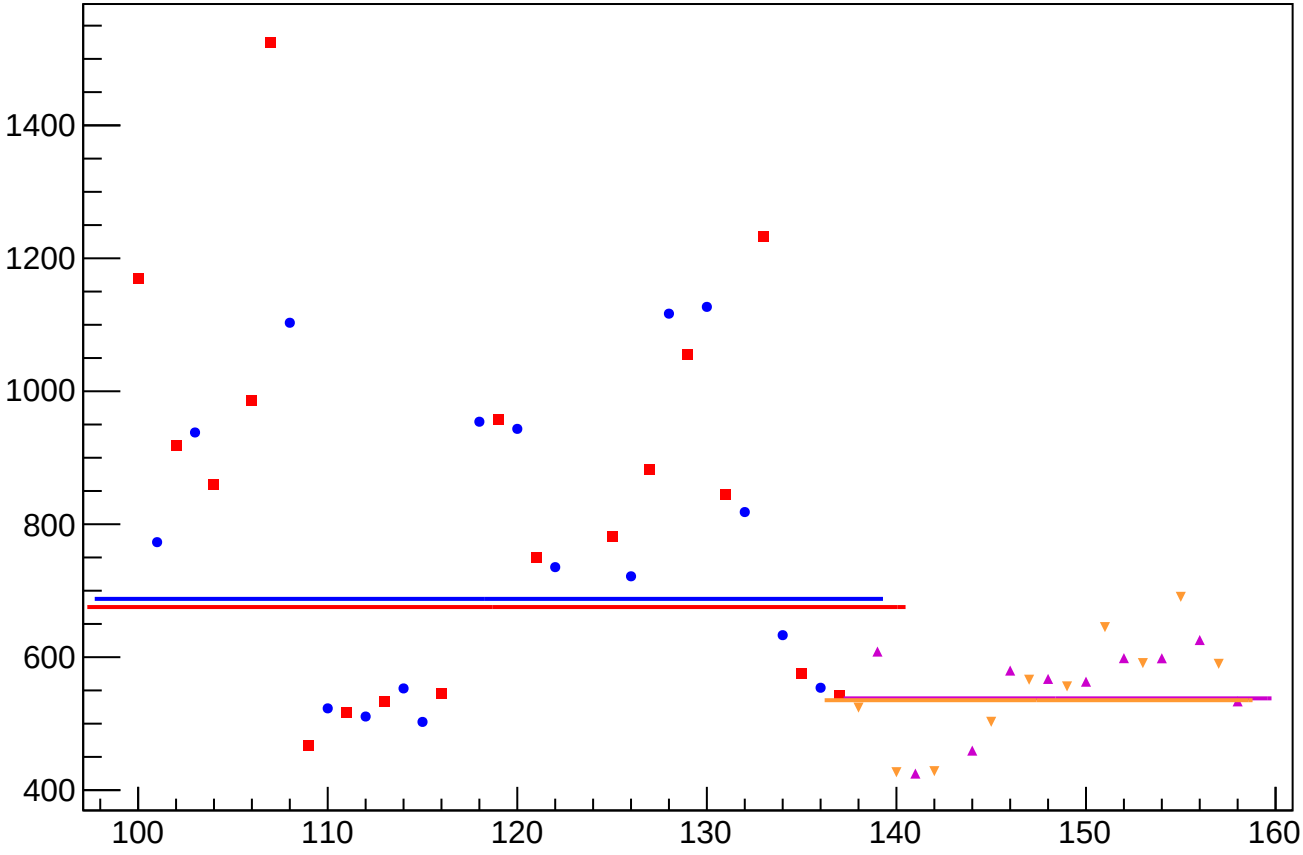
Left In: -170.294+/-184.124 χ^2/NDF:8.7/9

+ sign -547.163+/-156.709 χ^2/NDF: 58.1/25

All: -414.481+/-108.667 χ^2/NDF: 81.1/53

- sign -291.589+/-150.817 χ^2/NDF: 21.6/27

asym_us_dd_cor_correction_rms vs Slug



Right In: 687.717+/-0.189 χ^2/NDF: 1031906.6/15

Left Out: 535.283+/-0.137 χ^2/NDF:336974.1/9

Right Out: 675.410+/-0.186 χ^2/NDF: 1313004.6/17

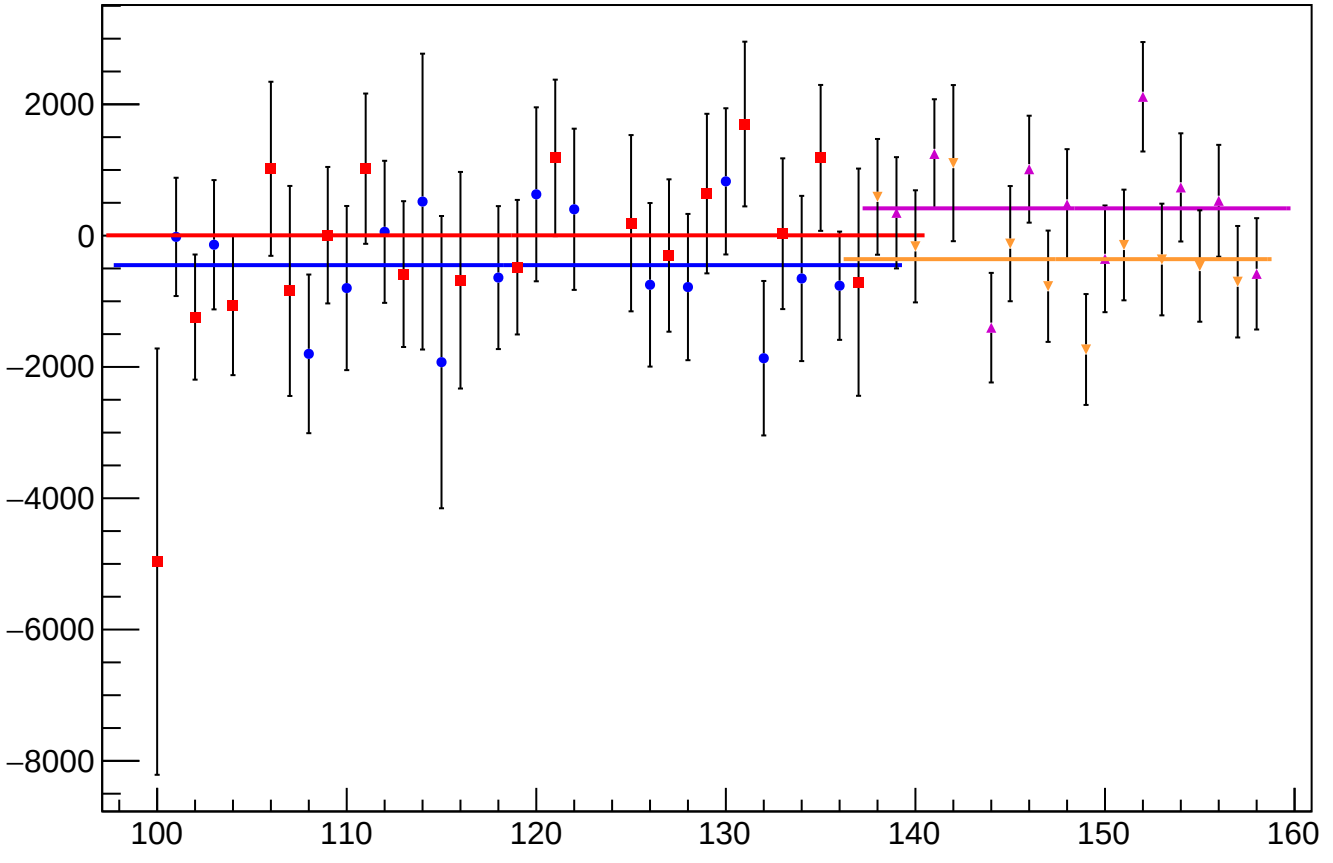
Left In: 538.064+/-0.130 χ^2/NDF:284227.0/9

+ sign 587.912+/-0.111 χ^2/NDF: 1796663.8/25

All: 585.497+/-0.077 χ^2/NDF: 3761022.1/53

- sign 583.261+/-0.107 χ^2/NDF: 1963443.4/27

overload_cor_asym_us_dd_mean vs Slug



Right In: -449.430+/-288.668 χ^2/NDF: 6.8/15

Left Out: -358.241+/-277.086 χ^2/NDF:5.9/9

Right Out: 4.645+/-287.815 χ^2/NDF: 11.8/17

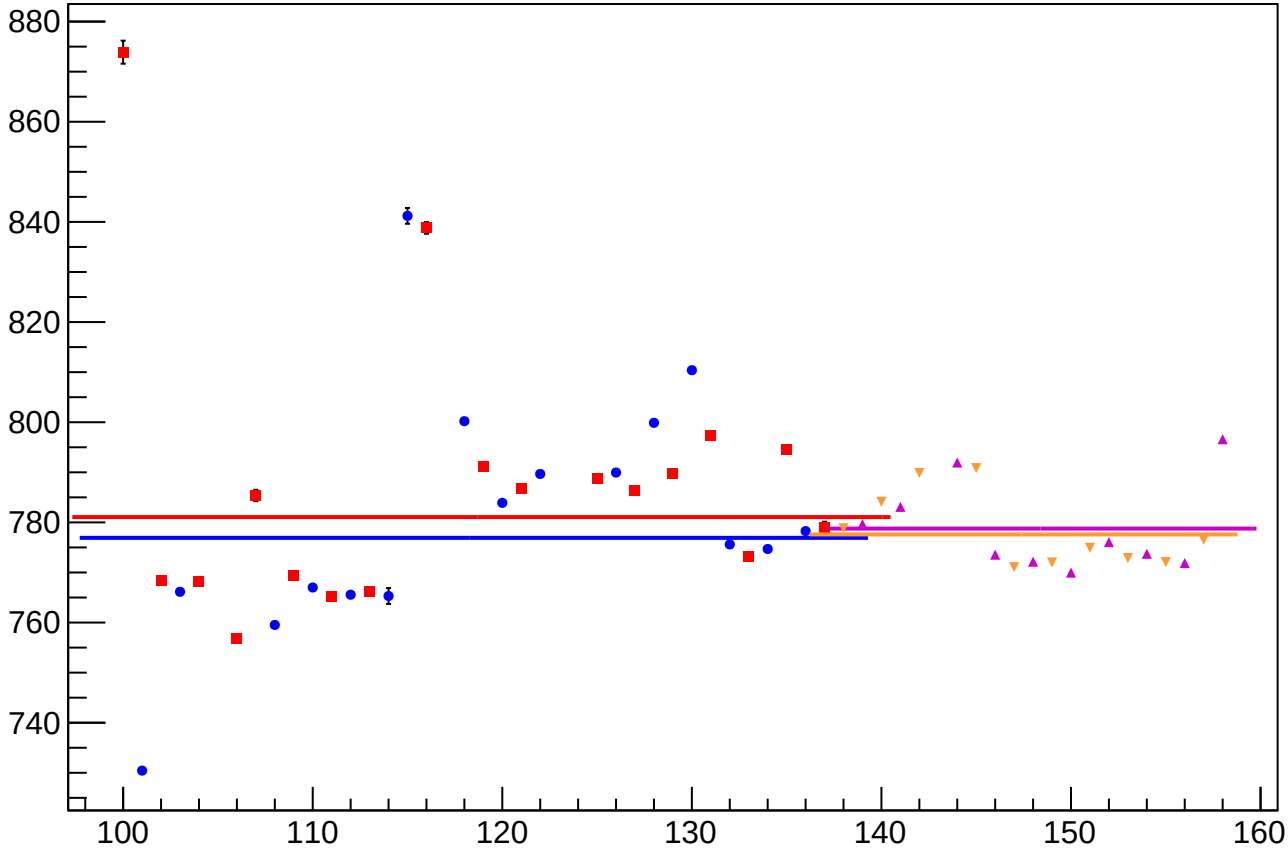
Left In: 415.620+/-263.662 χ^2/NDF:12.9/9

+ sign -401.969+/-199.899 χ^2/NDF: 12.7/25

All: -78.177+/-139.371 χ^2/NDF: 43.7/53

- sign 228.098+/-194.416 χ^2/NDF: 25.8/27

overload_cor_asym_us_dd_rms vs Slug



Right In: 776.913+/-0.204 χ^2/NDF: 12123.6/15

Left Out: 777.599+/-0.196 χ^2/NDF:1164.8/9

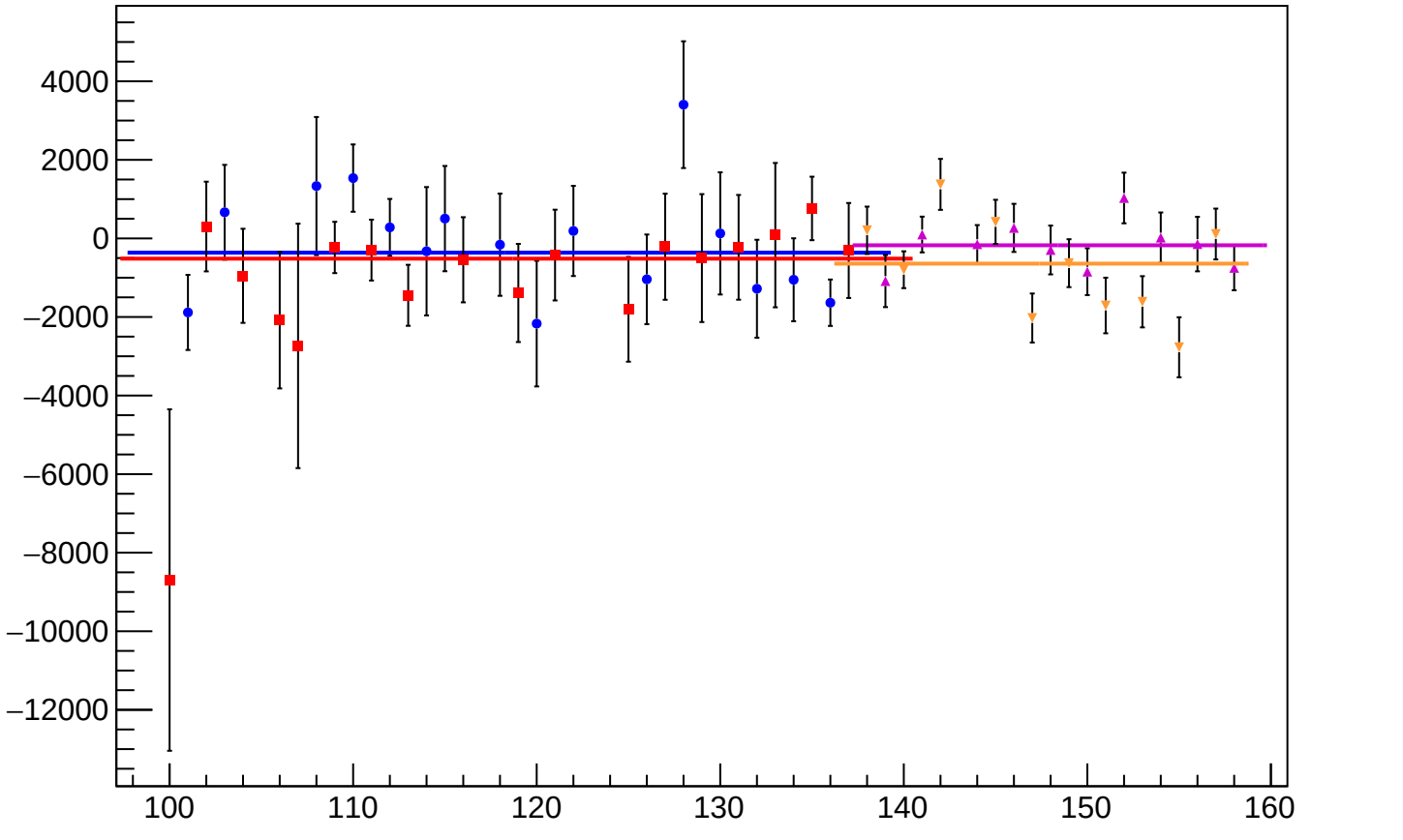
Right Out: 781.061+/-0.204 χ^2/NDF: 7585.8/17

Left In: 778.767+/-0.186 χ^2/NDF:2107.4/9

+ sign 777.270+/-0.141 χ^2/NDF: 13294.2/25

All: 778.577+/-0.099 χ^2/NDF: 23222.9/53

- sign 779.814+/-0.137 χ^2/NDF: 9762.3/27



Right In: -362.811+/-267.086 χ^2/NDF: 23.4/15

Left Out: -641.880+/-194.061 χ^2/NDF:33.9/9

Right Out: -515.295+/-263.302 χ^2/NDF: 11.4/17

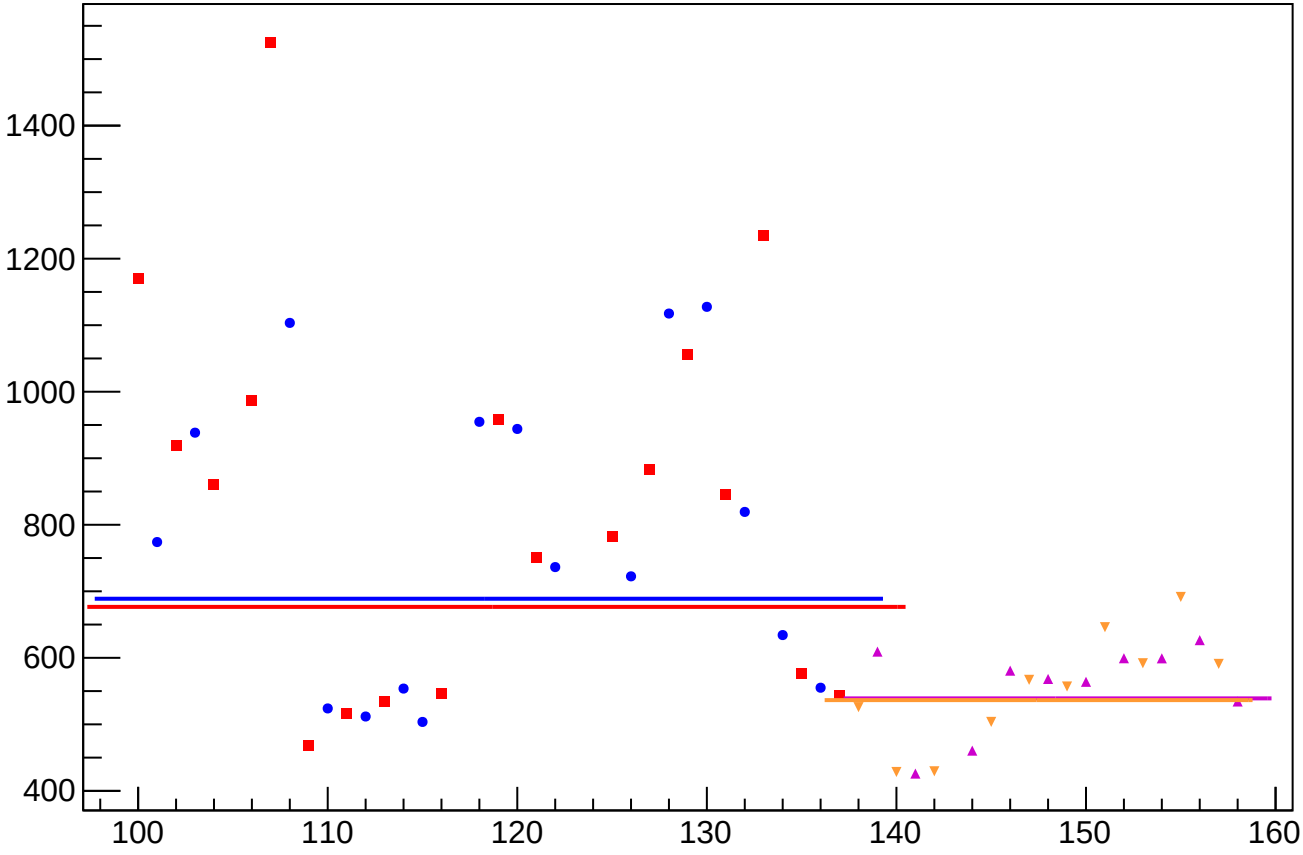
Left In: -174.827+/-184.447 χ^2/NDF:8.7/9

+ sign -545.456+/-156.996 χ^2/NDF: 58.0/25

All: -411.207+/-108.857 χ^2/NDF: 80.6/53

- sign -286.904+/-151.068 χ^2/NDF: 21.2/27

asym_us_dd_overload_cor_correction_rms vs Slug



Right In: 688.828+/-0.189 χ^2/NDF: 1028118.5/15

Left Out: 536.437+/-0.137 χ^2/NDF:334102.2/9

Right Out: 676.572+/-0.186 χ^2/NDF: 1308036.1/17

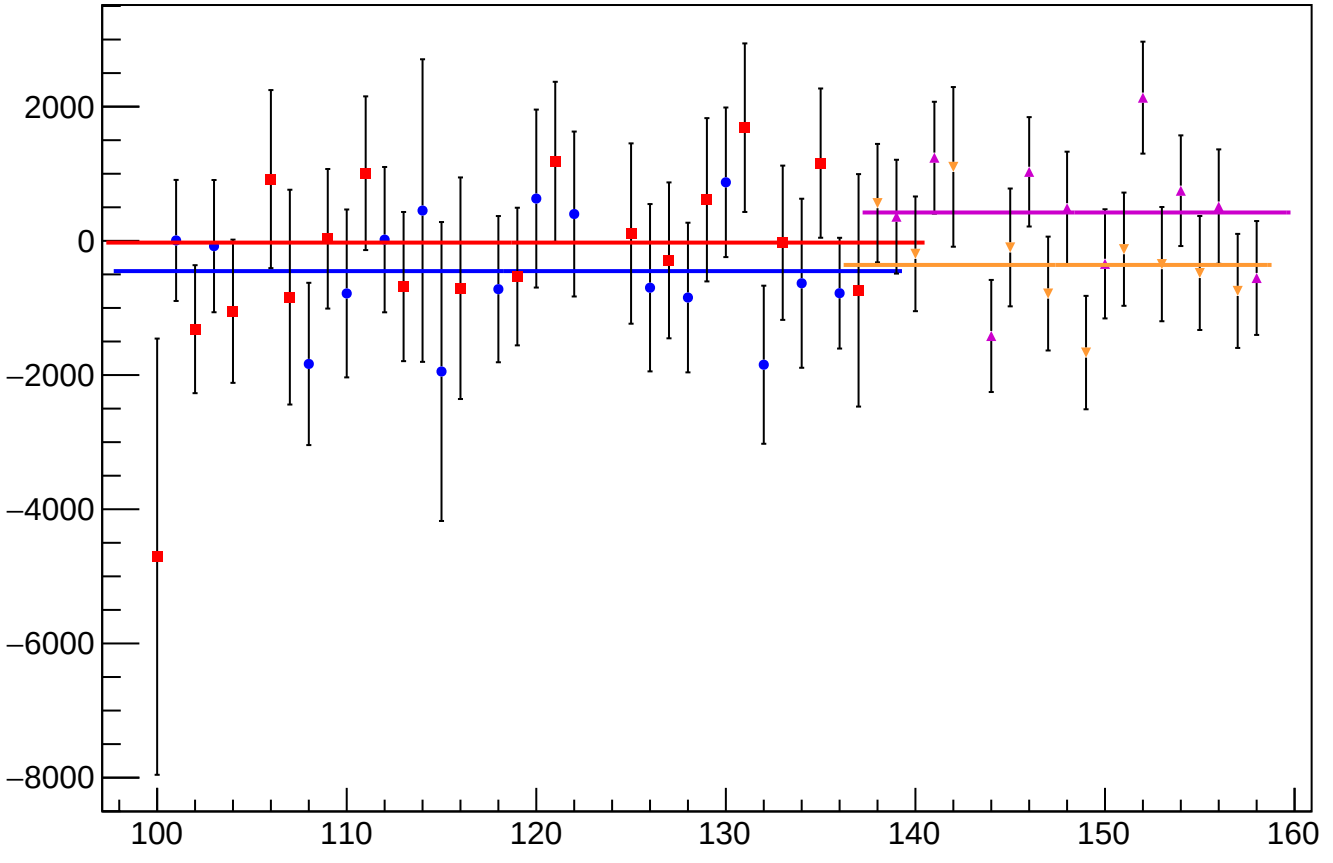
Left In: 539.045+/-0.130 χ^2/NDF:282245.1/9

+ sign 589.091+/-0.111 χ^2/NDF: 1788355.7/25

All: 586.612+/-0.077 χ^2/NDF: 3745615.1/53

- sign 584.317+/-0.107 χ^2/NDF: 1956298.9/27

eigen_cor_asym_us_dd_mean vs Slug



Right In: -450.953+/-288.950 χ^2/NDF: 6.9/15

Left Out: -358.900+/-277.330 χ^2/NDF:5.7/9

Right Out: -26.099+/-288.079 χ^2/NDF: 11.7/17

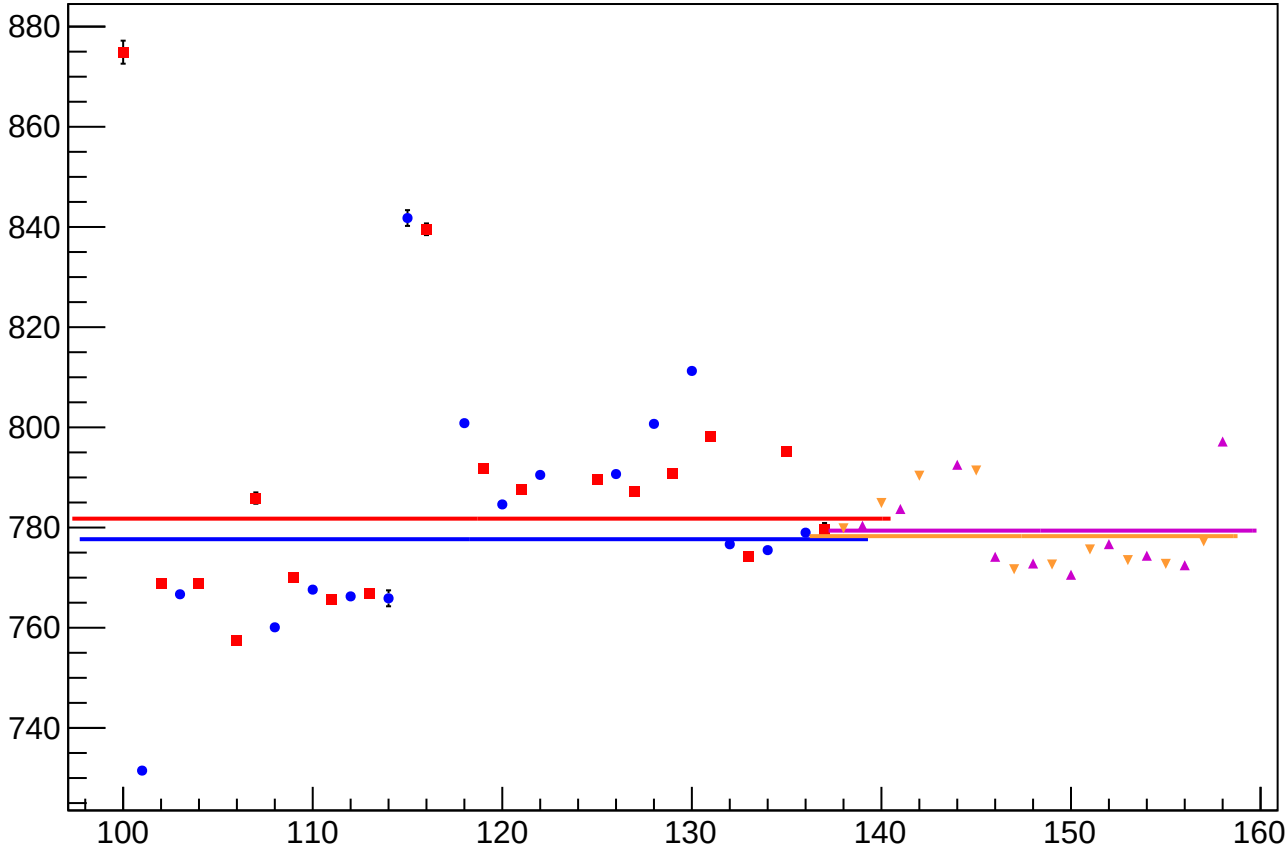
Left In: 422.600+/-263.872 χ^2/NDF:13.0/9

+ sign -403.038+/-200.084 χ^2/NDF: 12.7/25

All: -83.918+/-139.495 χ^2/NDF: 43.6/53

- sign 217.892+/-194.582 χ^2/NDF: 26.0/27

eigen_cor_asym_us_dd_rms vs Slug



Right In: 777.674+/-0.204 χ^2/NDF: 12055.4/15

Left Out: 778.283+/-0.196 χ^2/NDF:1159.5/9

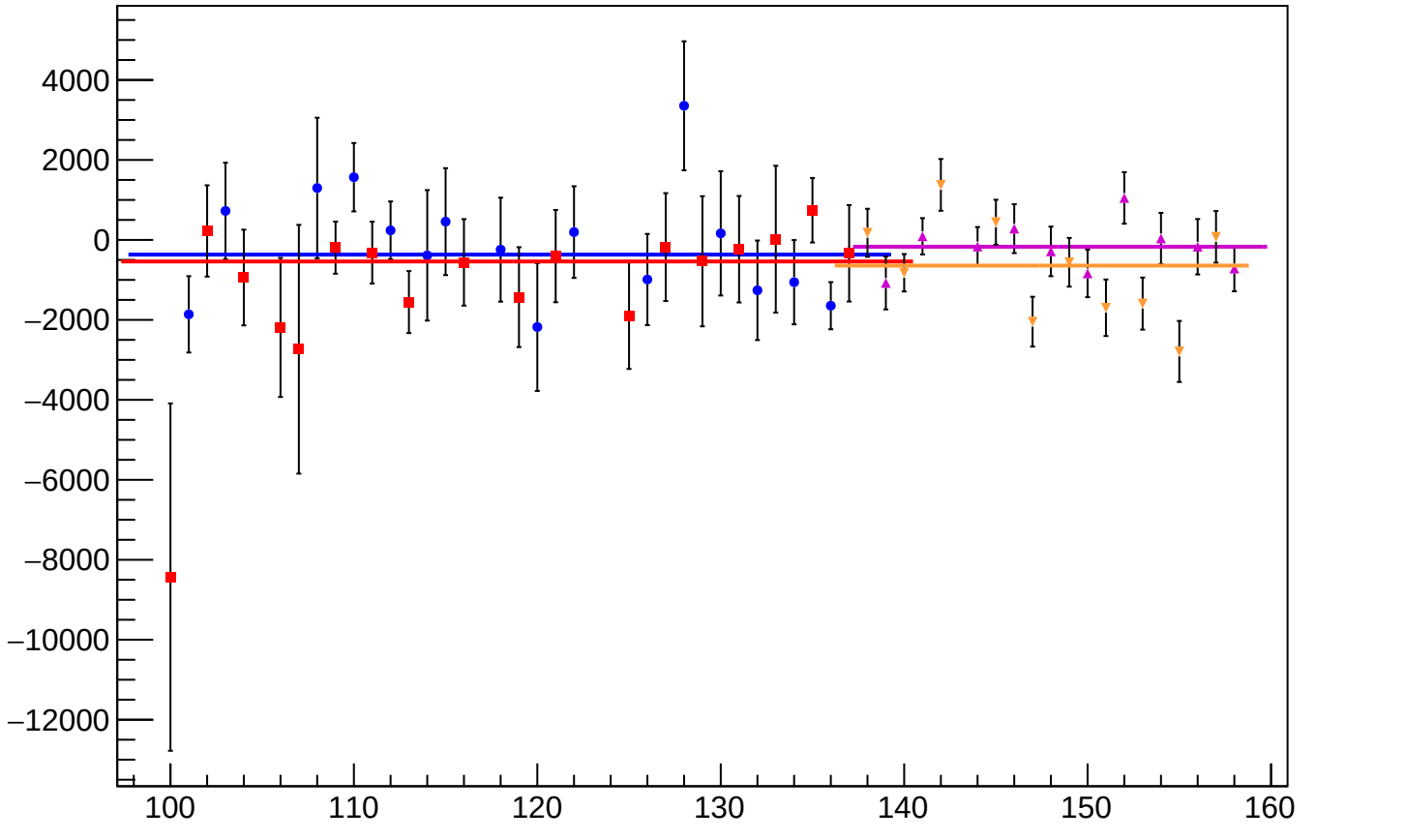
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 779.388+/-0.187 χ^2/NDF:2095.0/9

+ sign 777.991+/-0.141 χ^2/NDF: 13219.5/25

All: 779.269+/-0.099 χ^2/NDF: 23174.4/53

- sign 780.478+/-0.138 χ^2/NDF: 9796.1/27



Right In: -367.008+/-266.698 χ^2/NDF: 23.3/15

Left Out: -642.163+/-193.669 χ^2/NDF:34.1/9

Right Out: -538.887+/-262.907 χ^2/NDF: 11.7/17

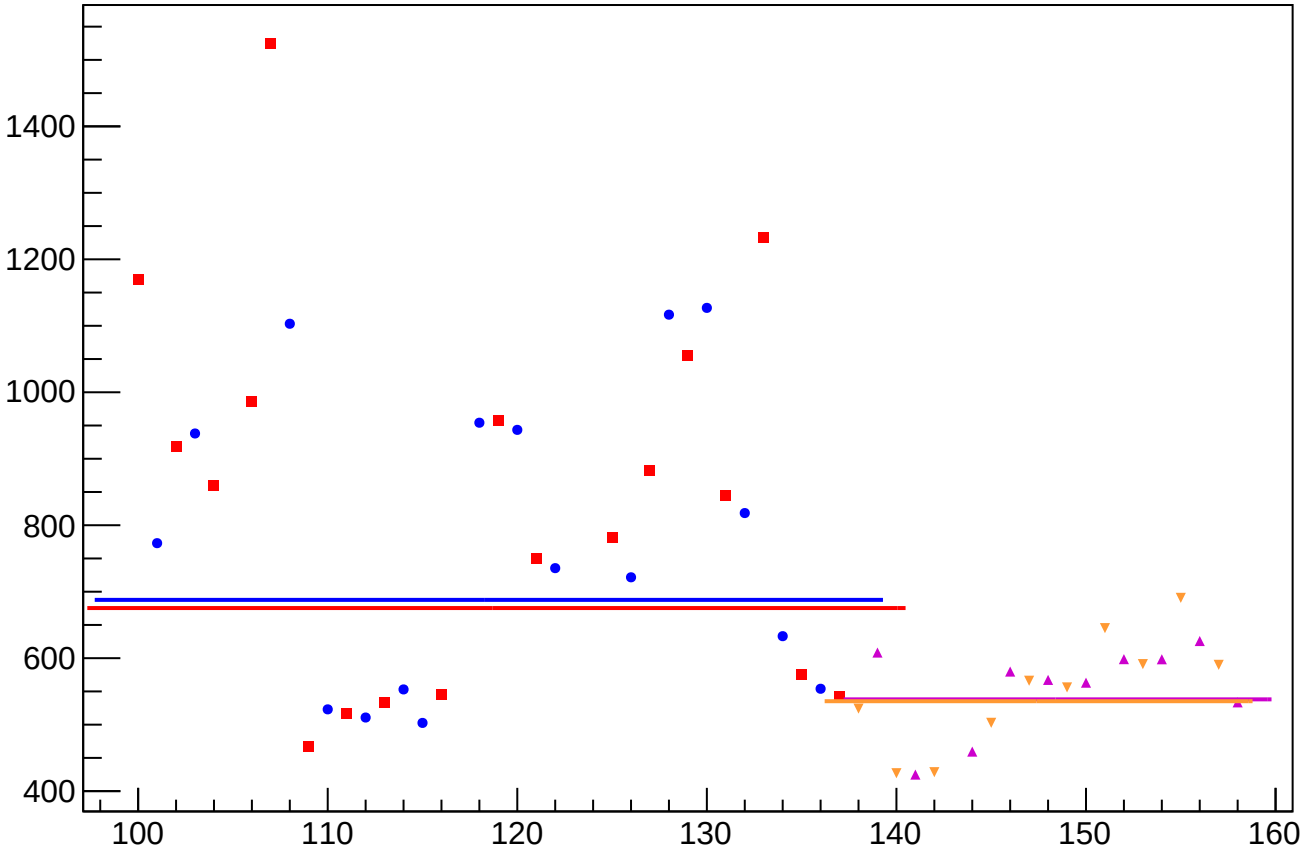
Left In: -170.294+/-184.124 χ^2/NDF:8.7/9

+ sign -547.163+/-156.709 χ^2/NDF: 58.1/25

All: -414.481+/-108.667 χ^2/NDF: 81.1/53

- sign -291.589+/-150.817 χ^2/NDF: 21.6/27

asym_us_dd_eigen_cor_correction_rms vs Slug



Right In: 687.717+/-0.189 χ^2/NDF: 1031906.6/15

Left Out: 535.283+/-0.137 χ^2/NDF:336974.1/9

Right Out: 675.410+/-0.186 χ^2/NDF: 1313004.6/17

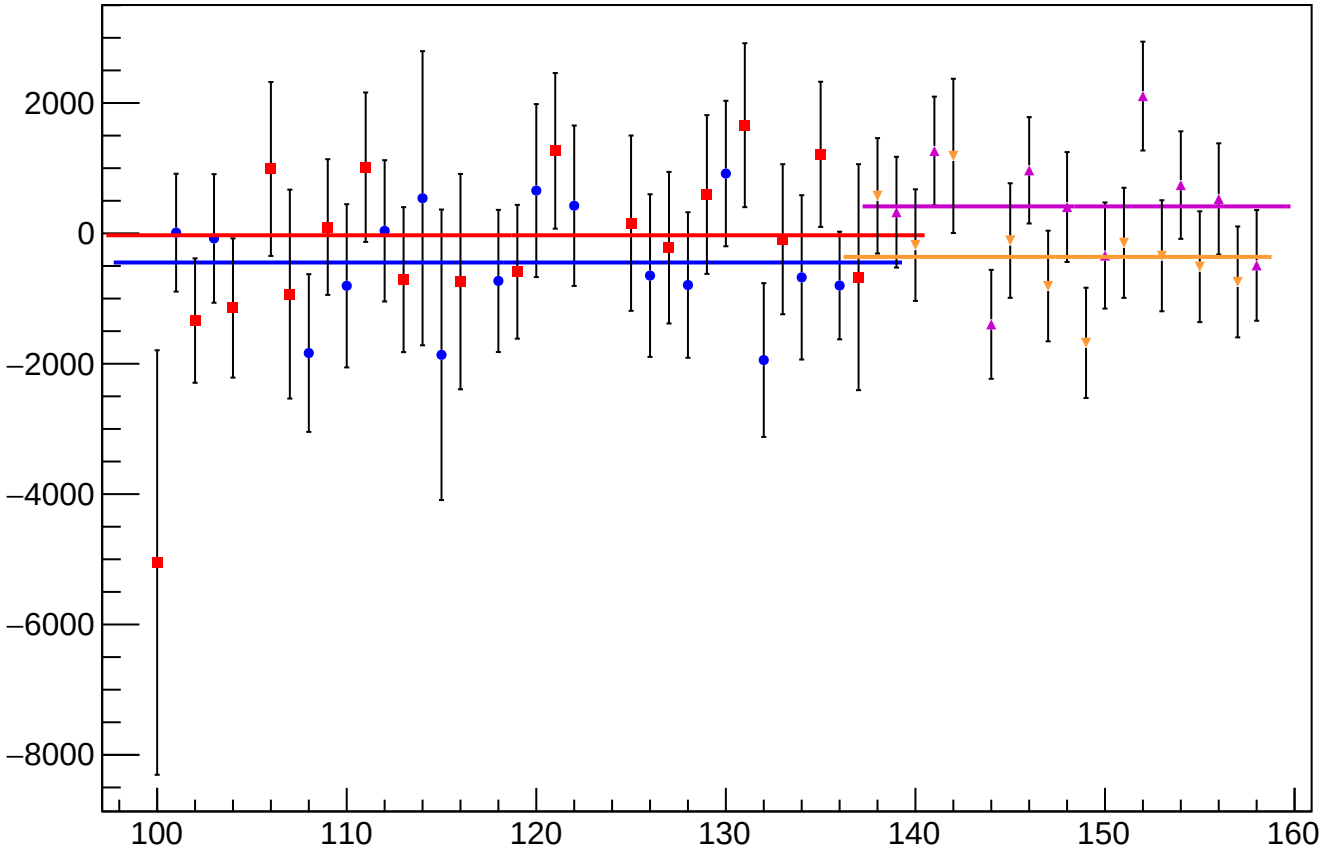
Left In: 538.064+/-0.130 χ^2/NDF:284227.0/9

\+ sign 587.912+/-0.111 χ^2/NDF: 1796663.8/25

All: 585.497+/-0.077 χ^2/NDF: 3761022.1/53

\- sign 583.261+/-0.107 χ^2/NDF: 1963443.4/27

dit_asym_us_dd_mean vs Slug



Right In: -446.659+/-289.238 χ^2/NDF: 7.3/15

Left Out: -360.795+/-277.524 χ^2/NDF:6.0/9

Right Out: -28.787+/-288.372 χ^2/NDF: 12.6/17

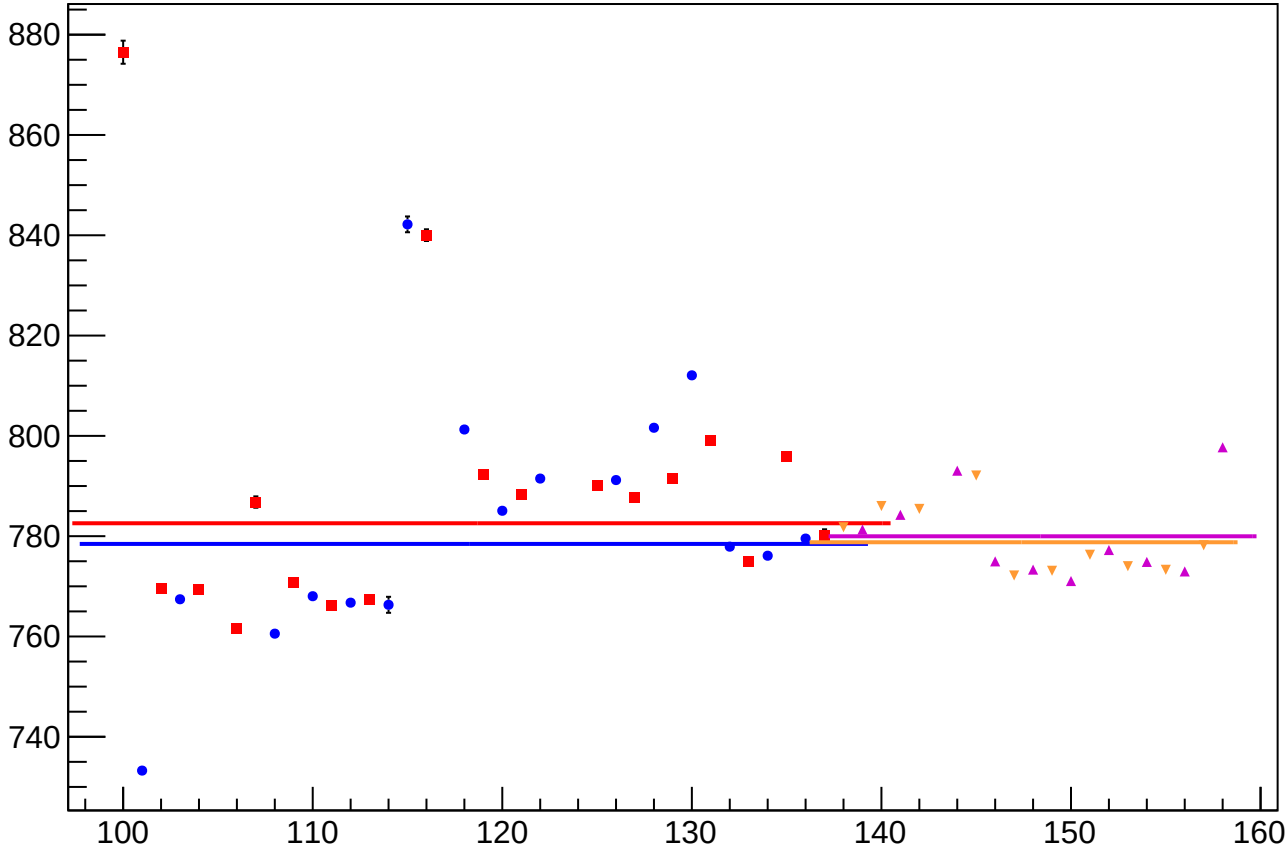
Left In: 413.920+/-264.071 χ^2/NDF:12.5/9

+ sign -401.953+/-200.252 χ^2/NDF: 13.3/25

All: -86.428+/-139.615 χ^2/NDF: 44.5/53

- sign 212.002+/-194.752 χ^2/NDF: 26.4/27

dit_asym_us_dd_rms vs Slug



Right In: 778.456+/-0.205 χ^2/NDF: 11795.2/15

Left Out: 778.788+/-0.196 χ^2/NDF:1064.6/9

Right Out: 782.575+/-0.204 χ^2/NDF: 7481.4/17

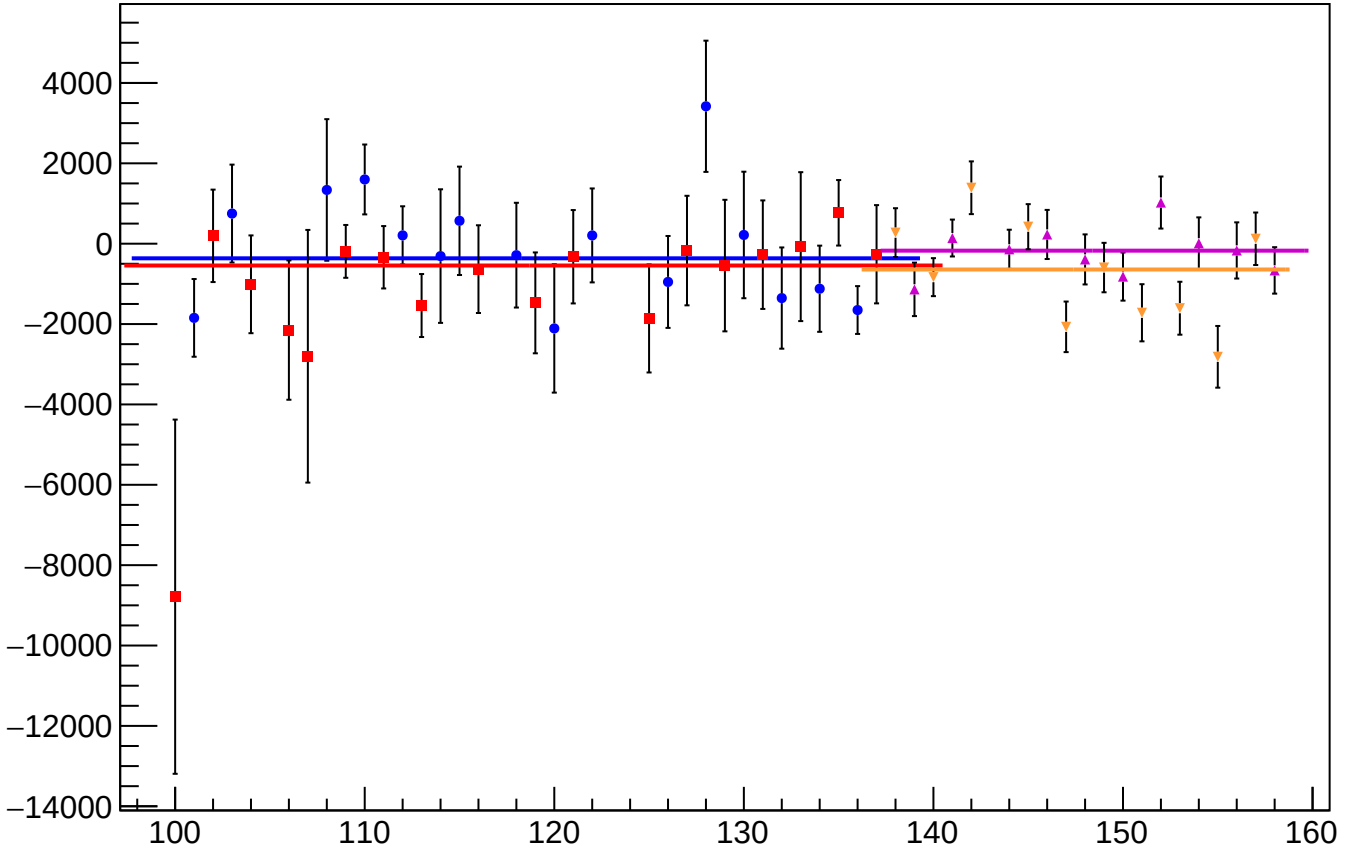
Left In: 779.978+/-0.187 χ^2/NDF:2093.7/9

+ sign 778.629+/-0.142 χ^2/NDF: 12861.1/25

All: 779.931+/-0.099 χ^2/NDF: 22689.1/53

- sign 781.162+/-0.138 χ^2/NDF: 9663.4/27

asym_us_dd_dit_correction_mean vs Slug



Right In: -363.977+/-269.316 χ^2/NDF: 23.3/15

Left Out: -642.164+/-195.510 χ^2/NDF:34.6/9

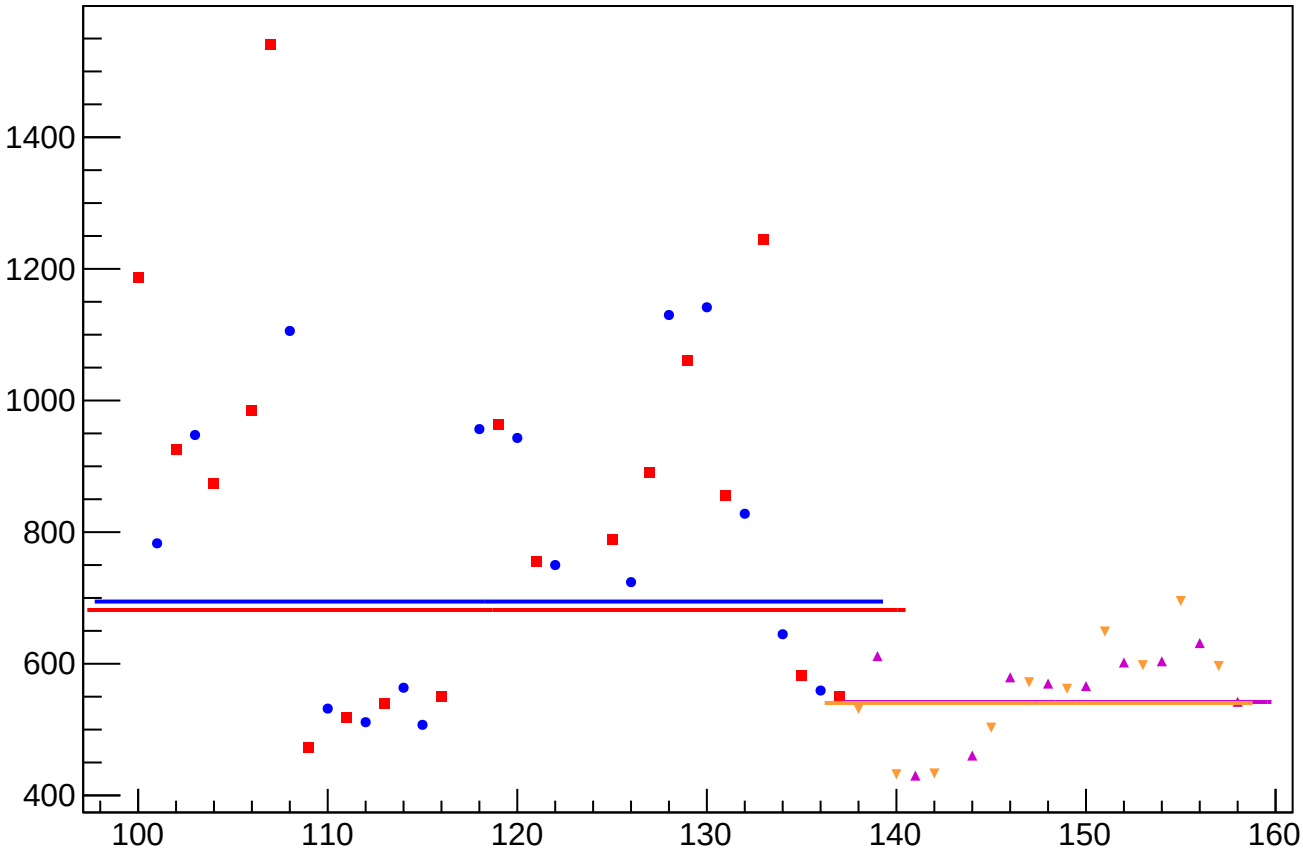
Right Out: -542.879+/-265.273 χ^2/NDF: 11.8/17

Left In: -173.361+/-185.407 χ^2/NDF:8.5/9

+ sign -546.155+/-158.216 χ^2/NDF: 58.6/25

All: -415.329+/-109.600 χ^2/NDF: 81.5/53

- sign -294.631+/-151.968 χ^2/NDF: 21.6/27



Right In: 694.522+/-0.190 χ^2/NDF: 1029884.9/15

Left Out: 540.455+/-0.138 χ^2/NDF:333184.7/9

Right Out: 681.744+/-0.188 χ^2/NDF: 1311322.6/17

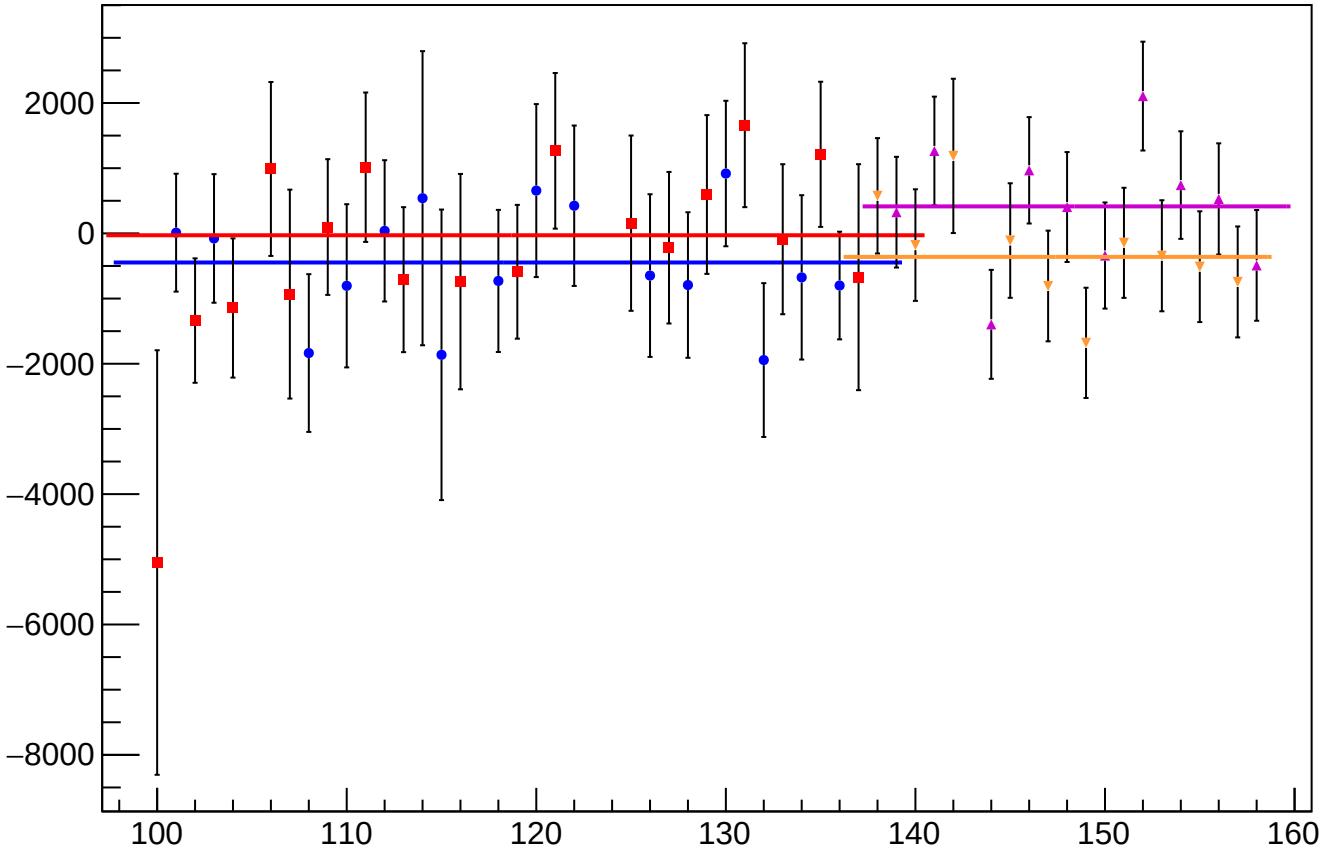
Left In: 541.973+/-0.131 χ^2/NDF:279674.6/9

+ sign 593.628+/-0.112 χ^2/NDF: 1791702.4/25

All: 590.619+/-0.077 χ^2/NDF: 3757103.6/53

- sign 587.844+/-0.107 χ^2/NDF: 1964011.0/27

eigen_dit_asym_us_dd_mean vs Slug



Right In: -446.659+/-289.238 χ^2/NDF: 7.3/15

Left Out: -360.797+/-277.524 χ^2/NDF:6.0/9

Right Out: -28.786+/-288.372 χ^2/NDF: 12.6/17

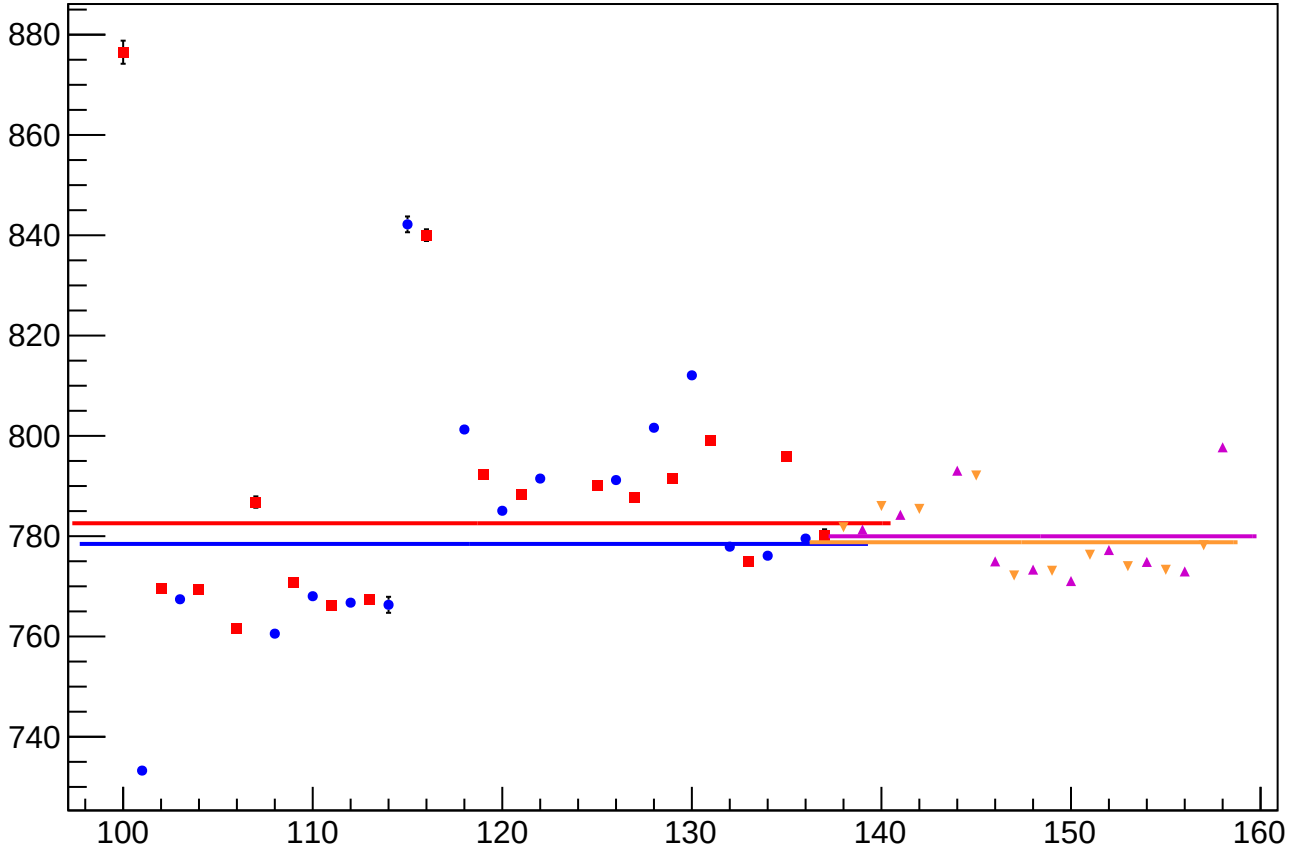
Left In: 413.919+/-264.071 χ^2/NDF:12.5/9

+ sign -401.954+/-200.252 χ^2/NDF: 13.3/25

All: -86.428+/-139.615 χ^2/NDF: 44.5/53

- sign 212.003+/-194.752 χ^2/NDF: 26.4/27

eigen_dit_asym_us_dd_rms vs Slug



Right In: 778.456+/-0.205 χ^2/NDF: 11795.2/15

Left Out: 778.788+/-0.196 χ^2/NDF:1064.6/9

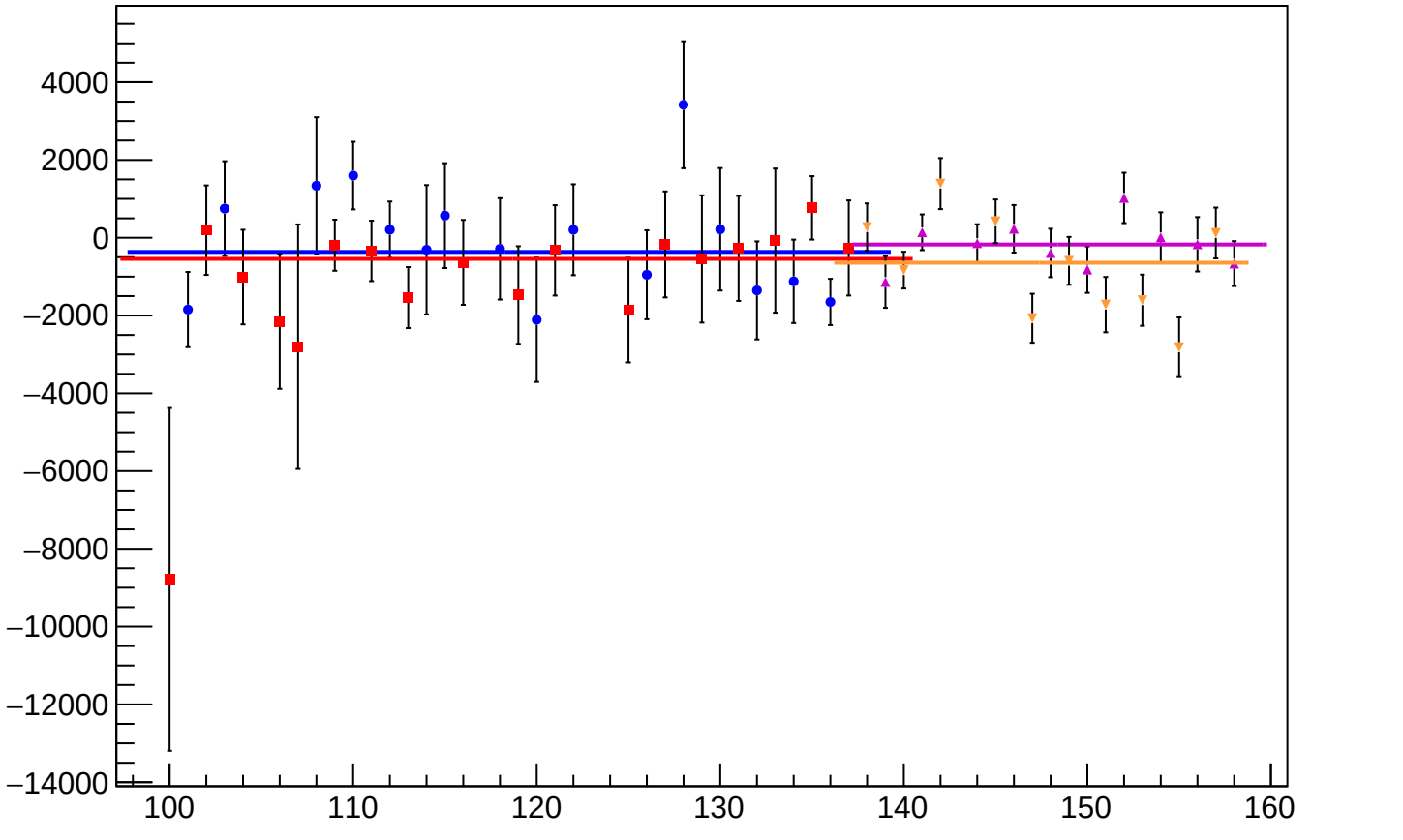
Right Out: 782.575+/-0.204 χ^2/NDF: 7481.4/17

Left In: 779.978+/-0.187 χ^2/NDF:2093.7/9

+ sign 778.629+/-0.142 χ^2/NDF: 12861.1/25

All: 779.931+/-0.099 χ^2/NDF: 22689.0/53

- sign 781.162+/-0.138 χ^2/NDF: 9663.4/27



Right In: -363.973+/-269.314 χ^2/NDF: 23.3/15

Left Out: -642.164+/-195.510 χ^2/NDF:34.6/9

Right Out: -542.878+/-265.272 χ^2/NDF: 11.8/17

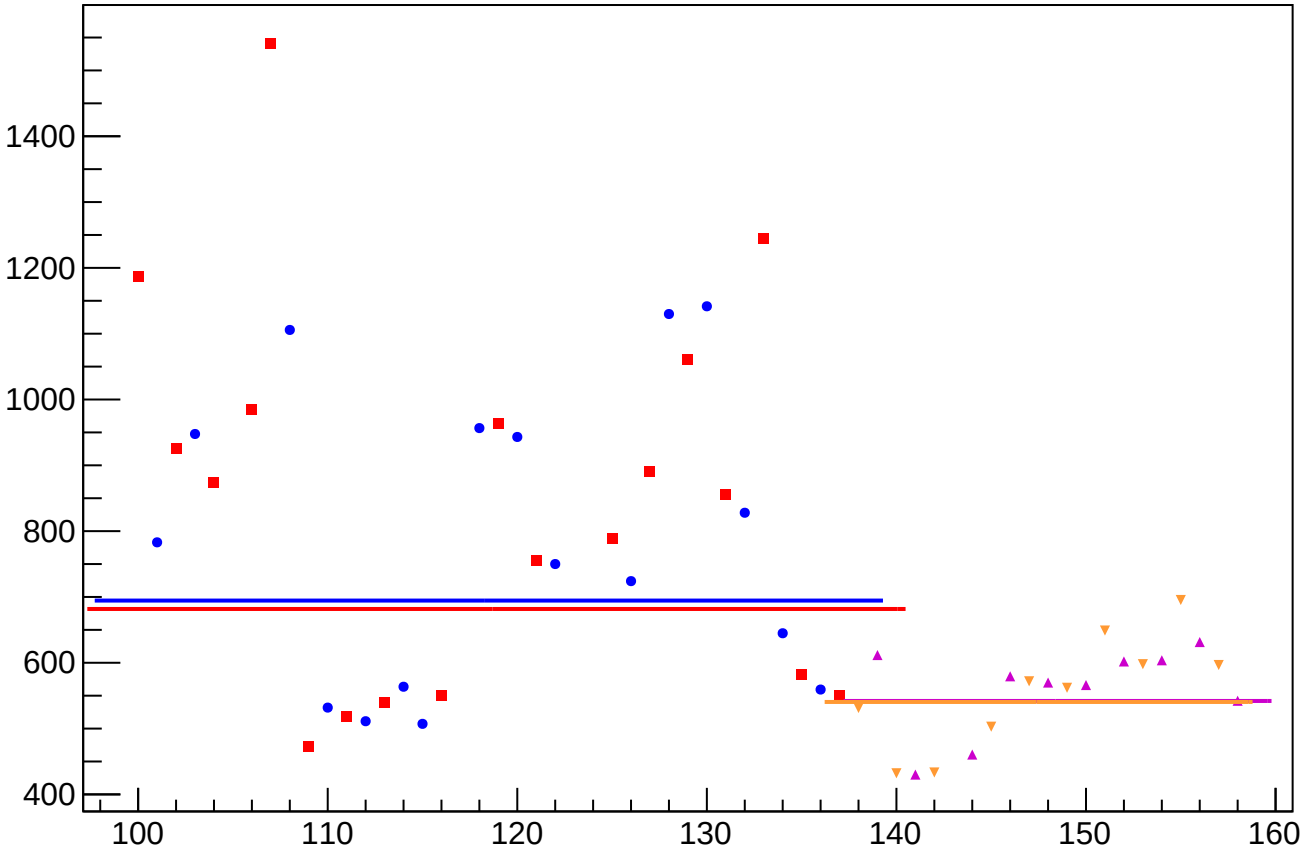
Left In: -173.361+/-185.408 χ^2/NDF:8.5/9

+ sign -546.153+/-158.215 χ^2/NDF: 58.6/25

All: -415.328+/-109.600 χ^2/NDF: 81.5/53

- sign -294.631+/-151.968 χ^2/NDF: 21.6/27

asym_us_dd_eigen_dit_correction_rms vs Slug



Right In: 694.519+/-0.190 χ^2/NDF: 1029897.1/15

Left Out: 540.455+/-0.138 χ^2/NDF:333197.5/9

Right Out: 681.740+/-0.188 χ^2/NDF: 1311342.6/17

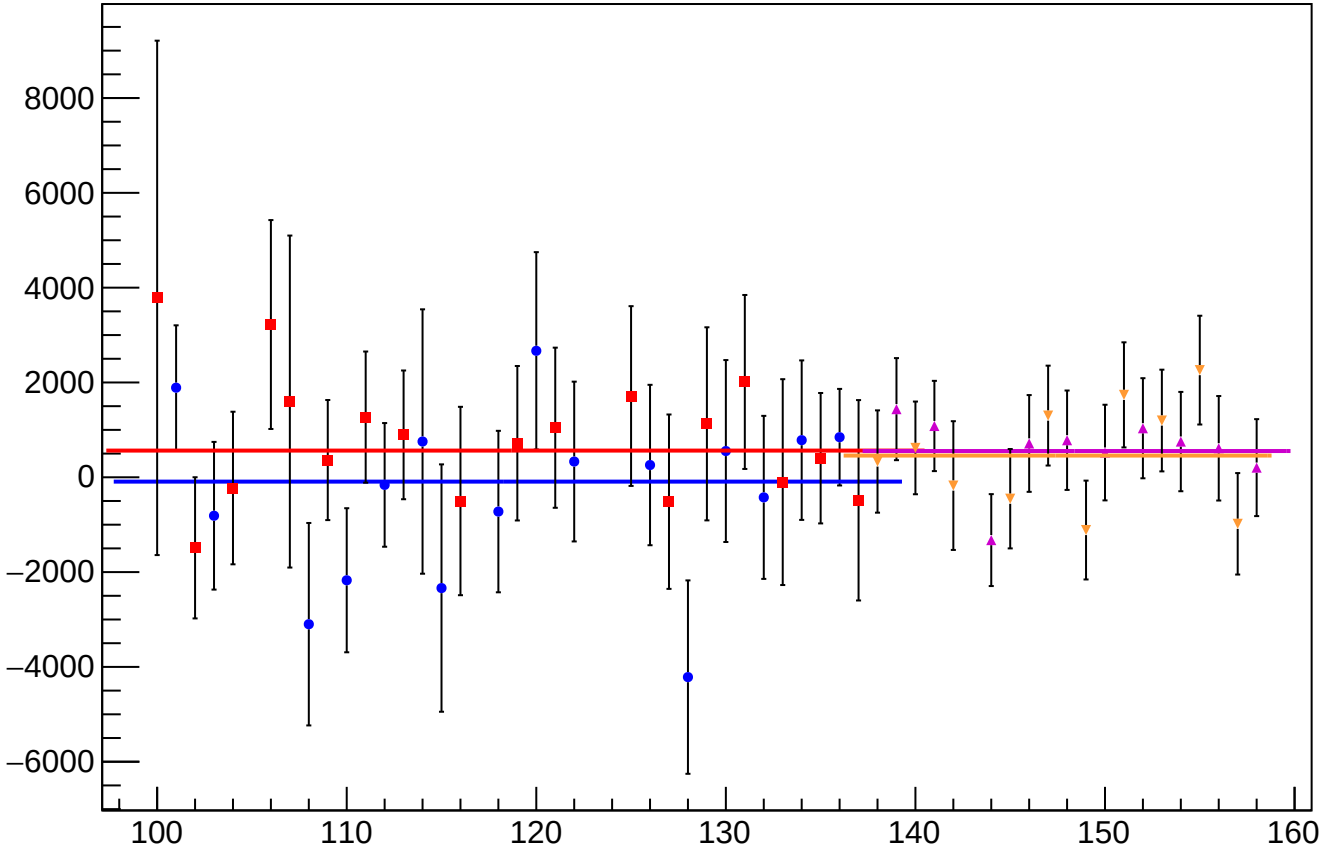
Left In: 541.973+/-0.131 χ^2/NDF:279687.0/9

\+ sign 593.627+/-0.112 χ^2/NDF: 1791709.0/25

All: 590.618+/-0.077 χ^2/NDF: 3757125.7/53

\- sign 587.843+/-0.107 χ^2/NDF: 1964026.5/27

asym_us_dd_mean vs Slug



Right In: -91.305+/-409.957 χ^2/NDF: 14.5/15

Left Out: 458.209+/-343.112 χ^2/NDF:10.0/9

Right Out: 563.292+/-411.565 χ^2/NDF: 6.5/17

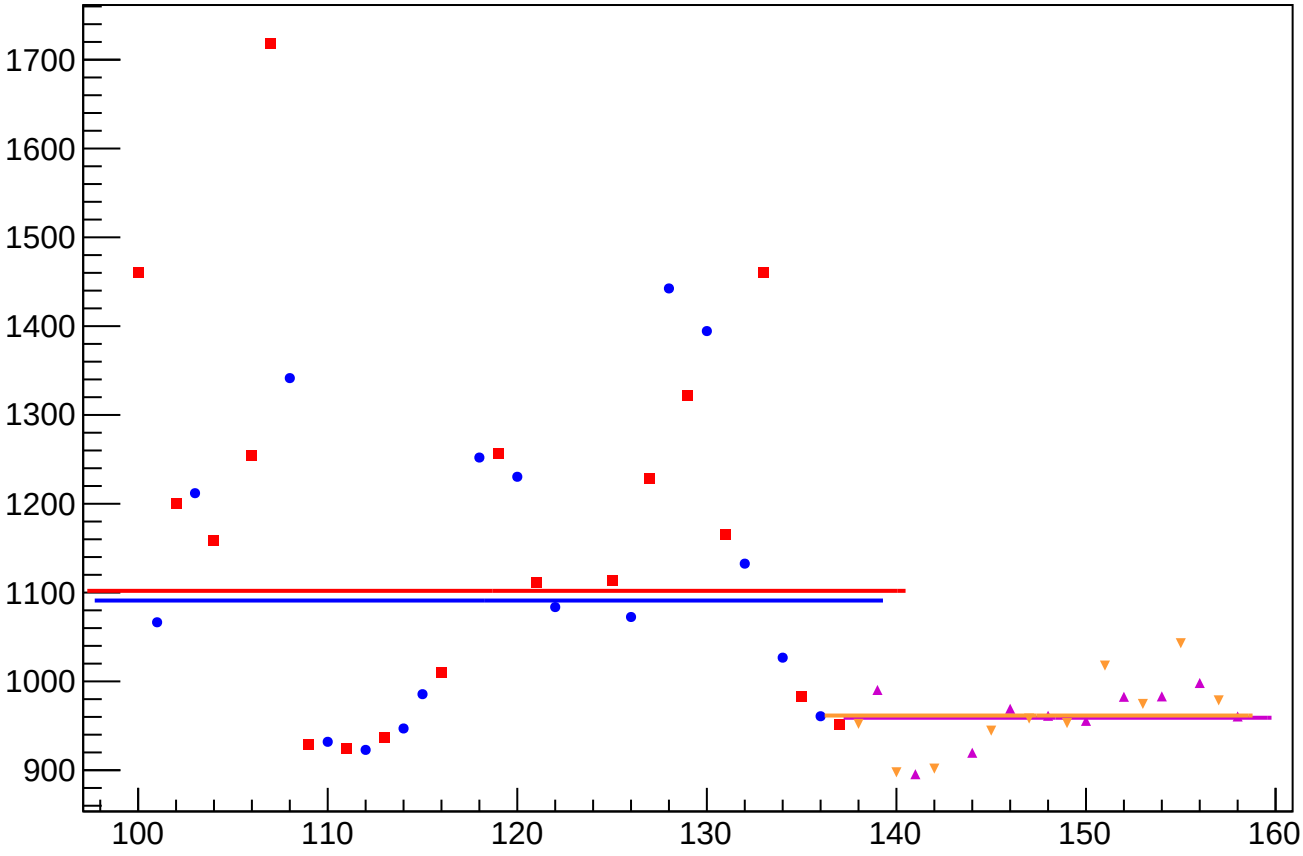
Left In: 554.008+/-324.951 χ^2/NDF:5.2/9

+ sign 231.847+/-263.118 χ^2/NDF: 25.6/25

All: 399.787+/-183.129 χ^2/NDF: 38.1/53

- sign 557.573+/-255.039 χ^2/NDF: 11.7/27

asym_us_dd_rms vs Slug



Right In: 1091.041+/-0.290 χ^2/NDF: 277304.9/15

Left Out: 961.565+/-0.243 χ^2/NDF:29277.0/9

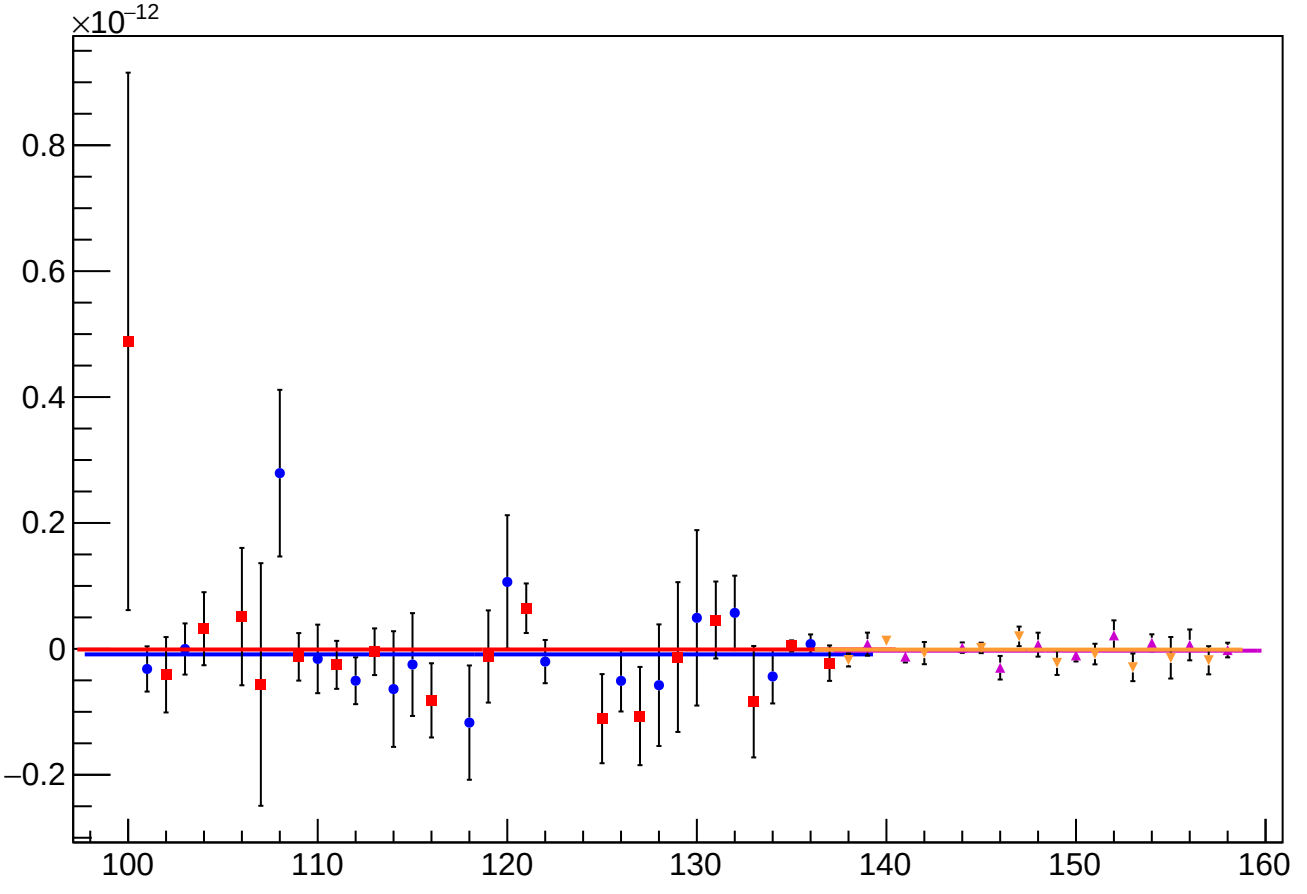
Right Out: 1101.953+/-0.291 χ^2/NDF: 328107.6/17

Left In: 959.066+/-0.230 χ^2/NDF:18722.8/9

+ sign 1014.900+/-0.186 χ^2/NDF: 423899.6/25

All: 1014.403+/-0.129 χ^2/NDF: 919240.3/53

- sign 1013.935+/-0.180 χ^2/NDF: 495326.8/27



Right In: -0.000+/-0.000 χ^2/NDF: 13.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.7/9

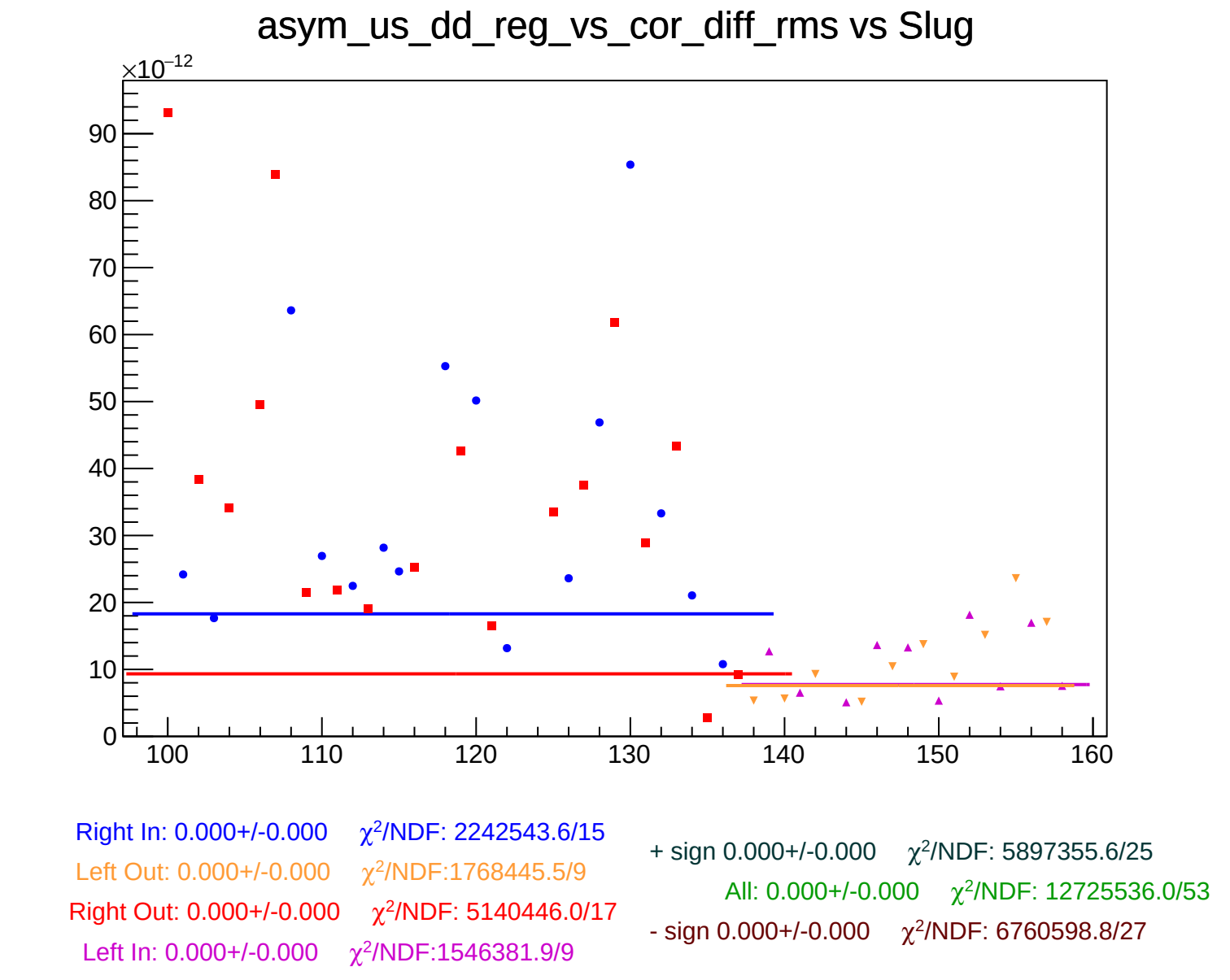
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/17

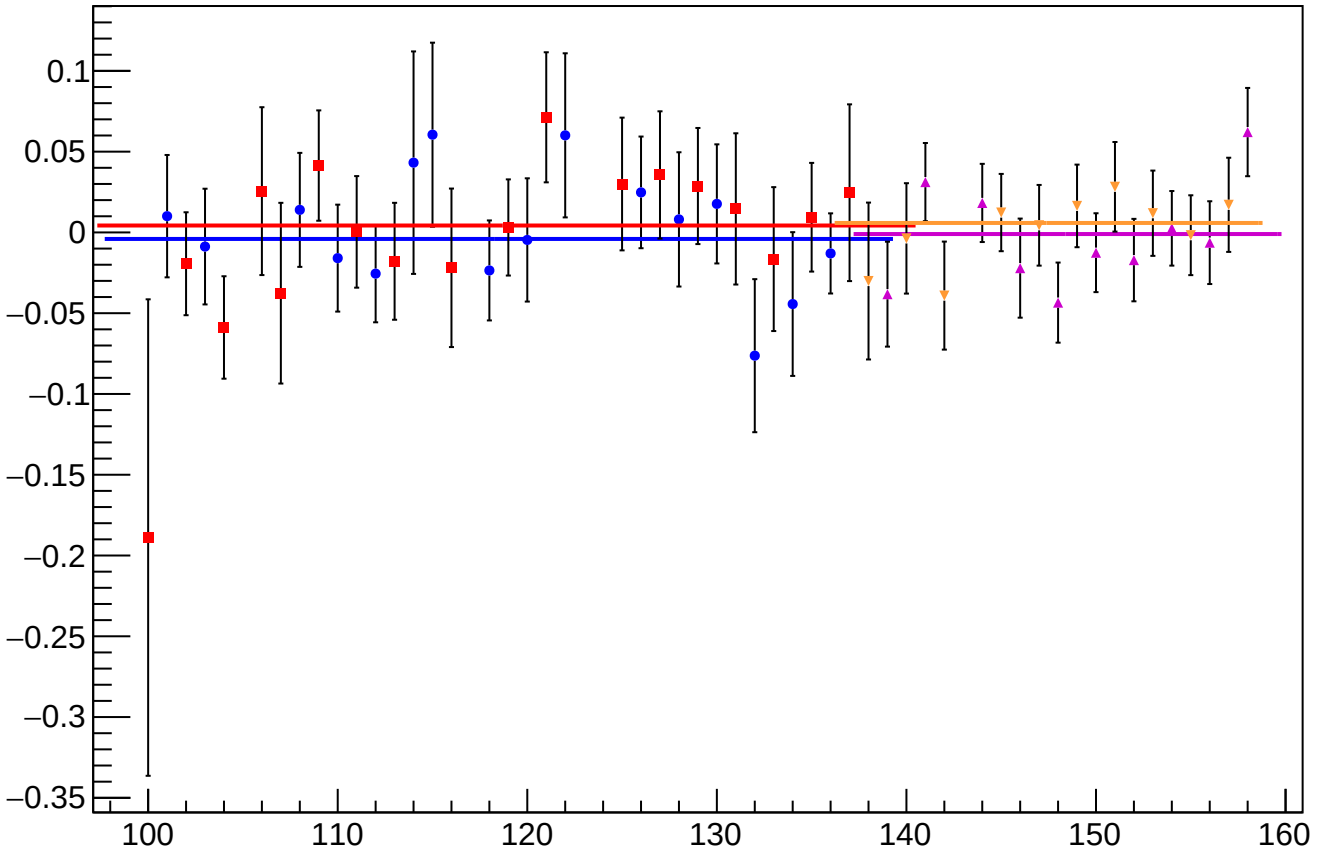
Left In: -0.000+/-0.000 χ^2/NDF:6.6/9

+ sign -0.000+/-0.000 χ^2/NDF: 26.0/25

All: -0.000+/-0.000 χ^2/NDF: 47.0/53

- sign -0.000+/-0.000 χ^2/NDF: 21.0/27


asym_us_dd_reg_vs_cor_diff_rms vs Slug
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2242543.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1768445.5/9
Right Out: 0.000+/-0.000 χ²/NDF: 5140446.0/17
Left In: 0.000+/-0.000 χ²/NDF:1546381.9/9
+ sign 0.000+/-0.000 χ²/NDF: 5897355.6/25
All: 0.000+/-0.000 χ²/NDF: 12725536.0/53
- sign 0.000+/-0.000 χ²/NDF: 6760598.8/27



Right In: -0.004+/-0.009 χ^2/NDF: 9.2/15

Left Out: 0.006+/-0.009 χ^2/NDF:3.6/9

Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

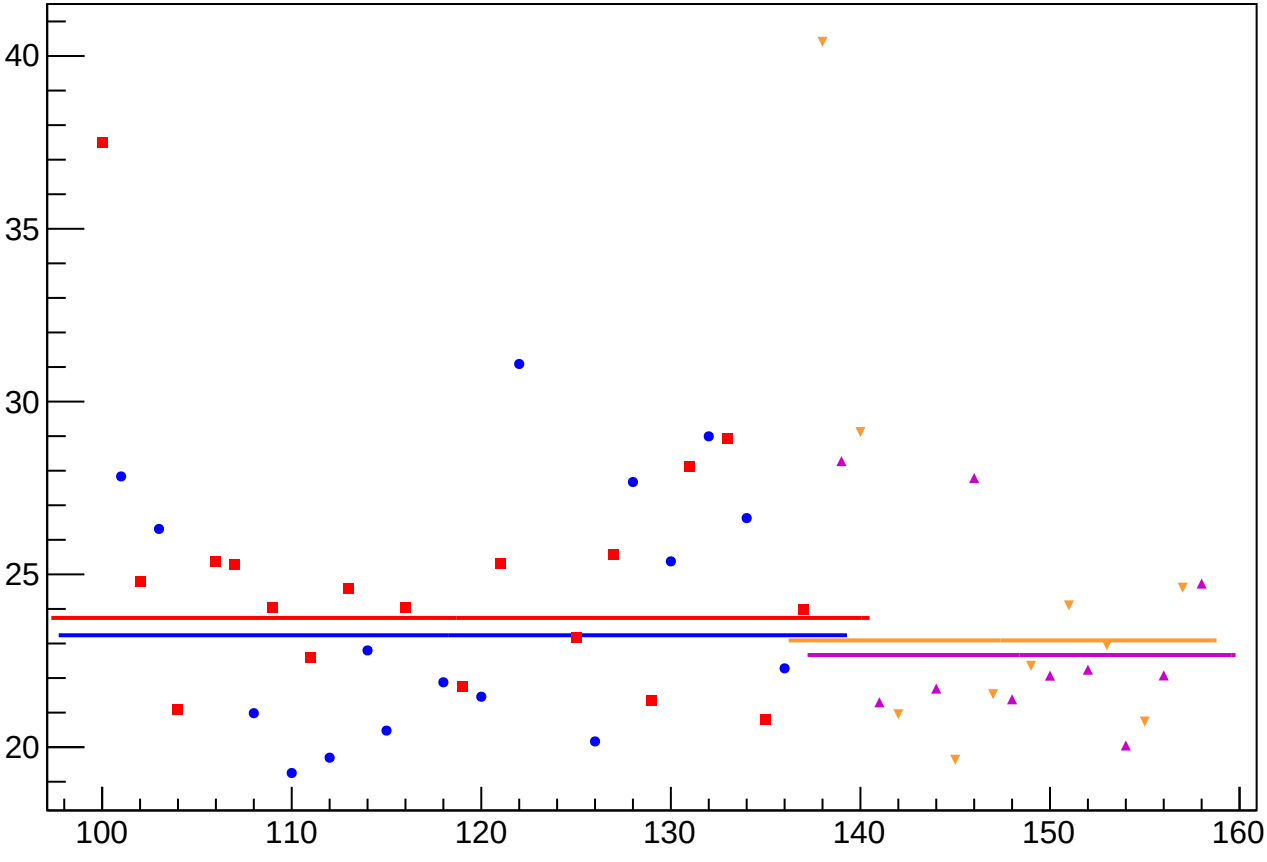
Left In: -0.001+/-0.008 χ^2/NDF:13.1/9

+ sign 0.001+/-0.006 χ^2/NDF: 13.4/25

All: 0.001+/-0.004 χ^2/NDF: 40.2/53

- sign 0.001+/-0.006 χ^2/NDF: 26.8/27

asym_us_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.238+/-0.007 χ^2/NDF: 259235.5/15

Left Out: 23.090+/-0.006 χ^2/NDF:402270.2/9

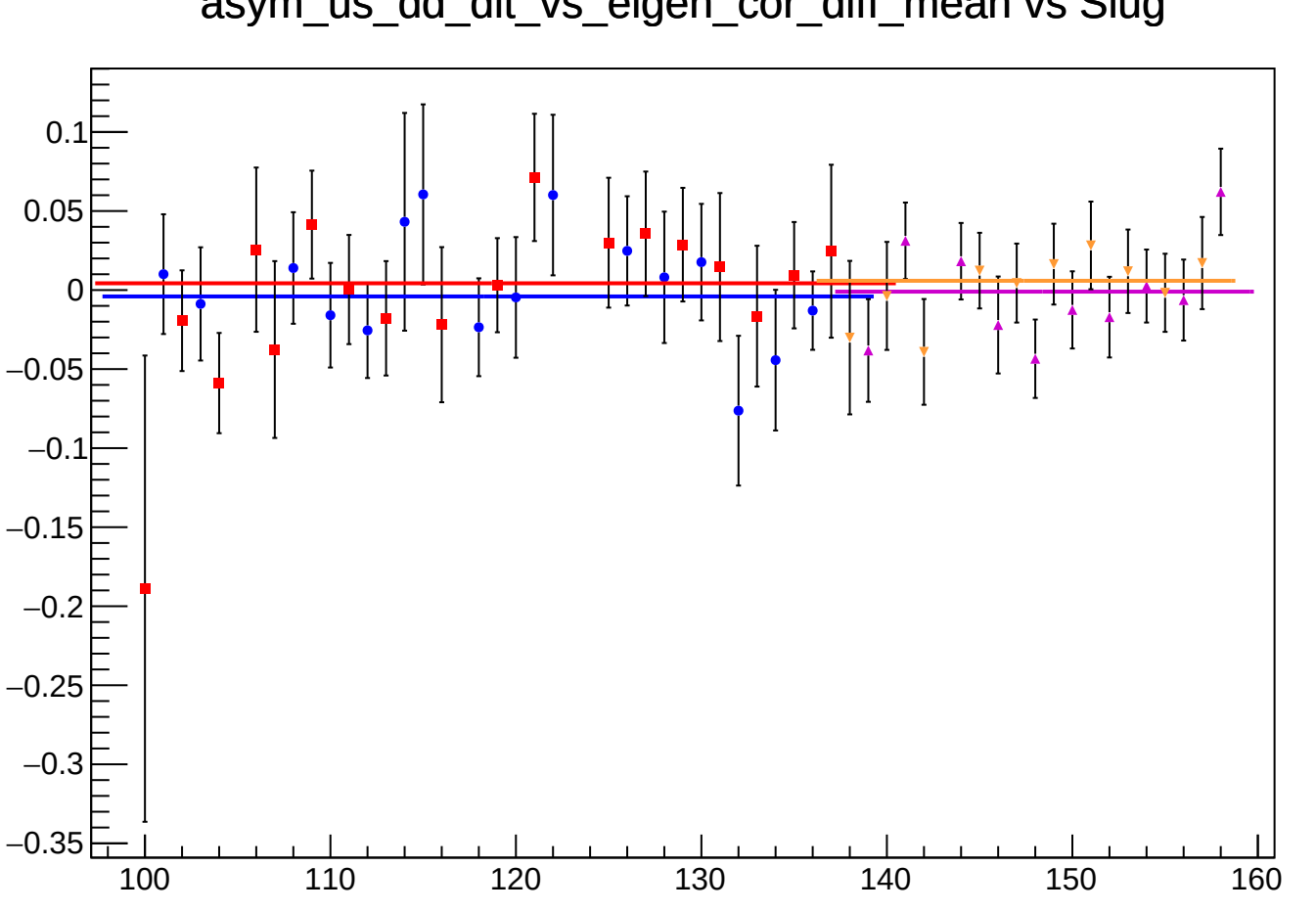
Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

Left In: 22.666+/-0.006 χ^2/NDF:170392.3/9

+ sign 23.161+/-0.005 χ^2/NDF: 661771.9/25

All: 23.146+/-0.003 χ^2/NDF: 973407.2/53

- sign 23.133+/-0.004 χ^2/NDF: 311615.2/27



Right In: -0.004+/-0.009 χ^2/NDF: 9.2/15

Left Out: 0.006+/-0.009 χ^2/NDF:3.6/9

Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

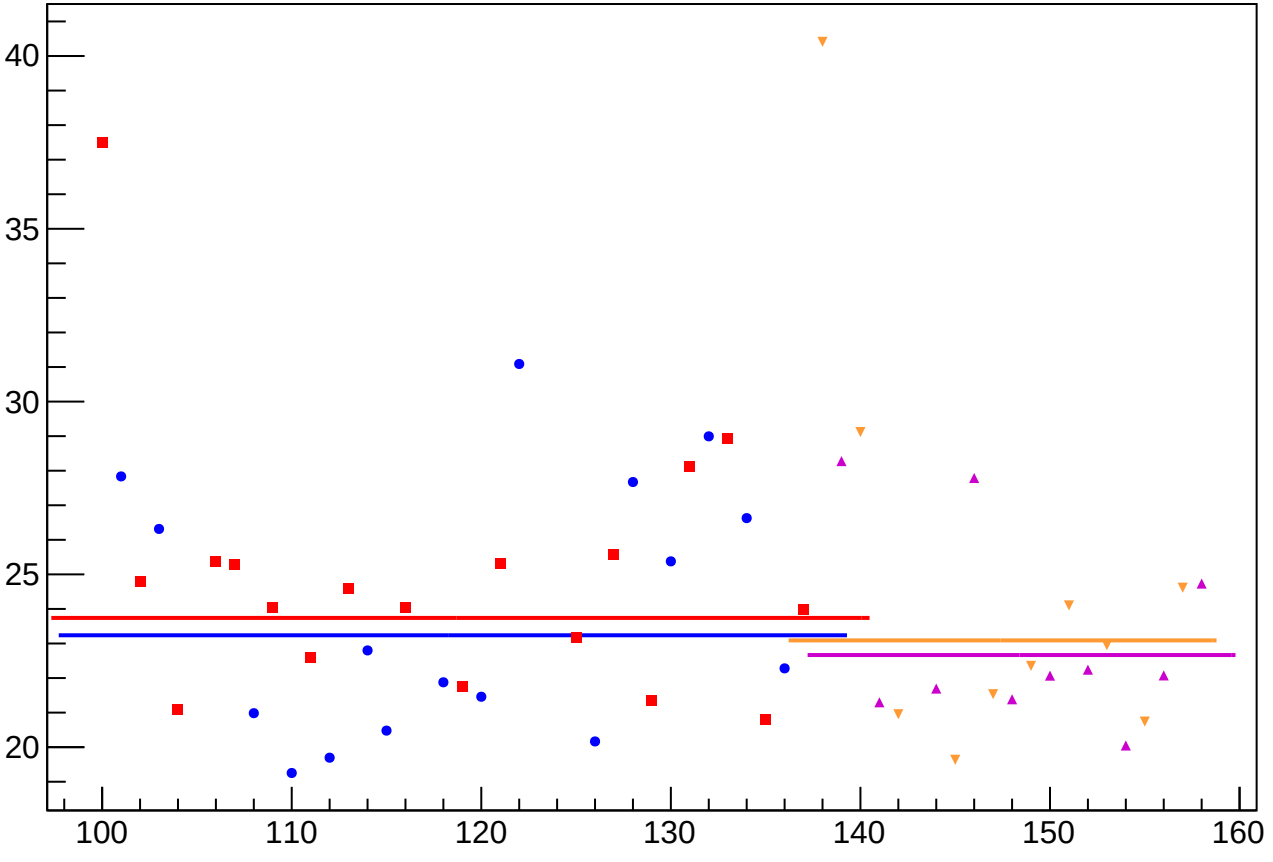
Left In: -0.001+/-0.008 χ^2/NDF:13.1/9

+ sign 0.001+/-0.006 χ^2/NDF: 13.4/25

All: 0.001+/-0.004 χ^2/NDF: 40.2/53

- sign 0.001+/-0.006 χ^2/NDF: 26.8/27

asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.238+/-0.007 χ^2/NDF: 259235.5/15

Left Out: 23.090+/-0.006 χ^2/NDF:402270.2/9

Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

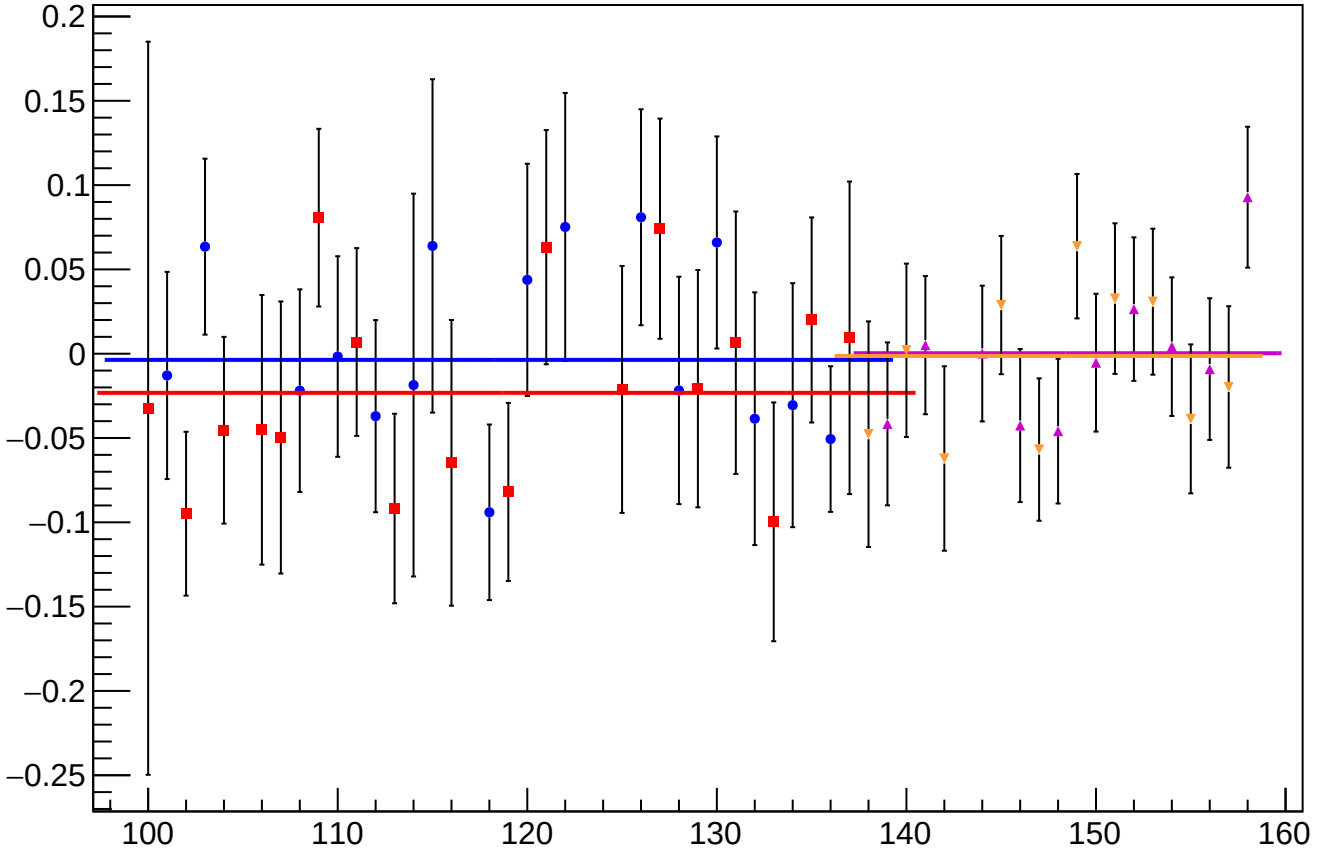
Left In: 22.666+/-0.006 χ^2/NDF:170392.3/9

+ sign 23.161+/-0.005 χ^2/NDF: 661771.9/25

All: 23.146+/-0.003 χ^2/NDF: 973407.2/53

- sign 23.133+/-0.004 χ^2/NDF: 311615.2/27

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.004+/-0.016 χ^2/NDF: 11.7/15

Left Out: -0.001+/-0.015 χ^2/NDF:8.3/9

Right Out: -0.023+/-0.016 χ^2/NDF: 15.4/17

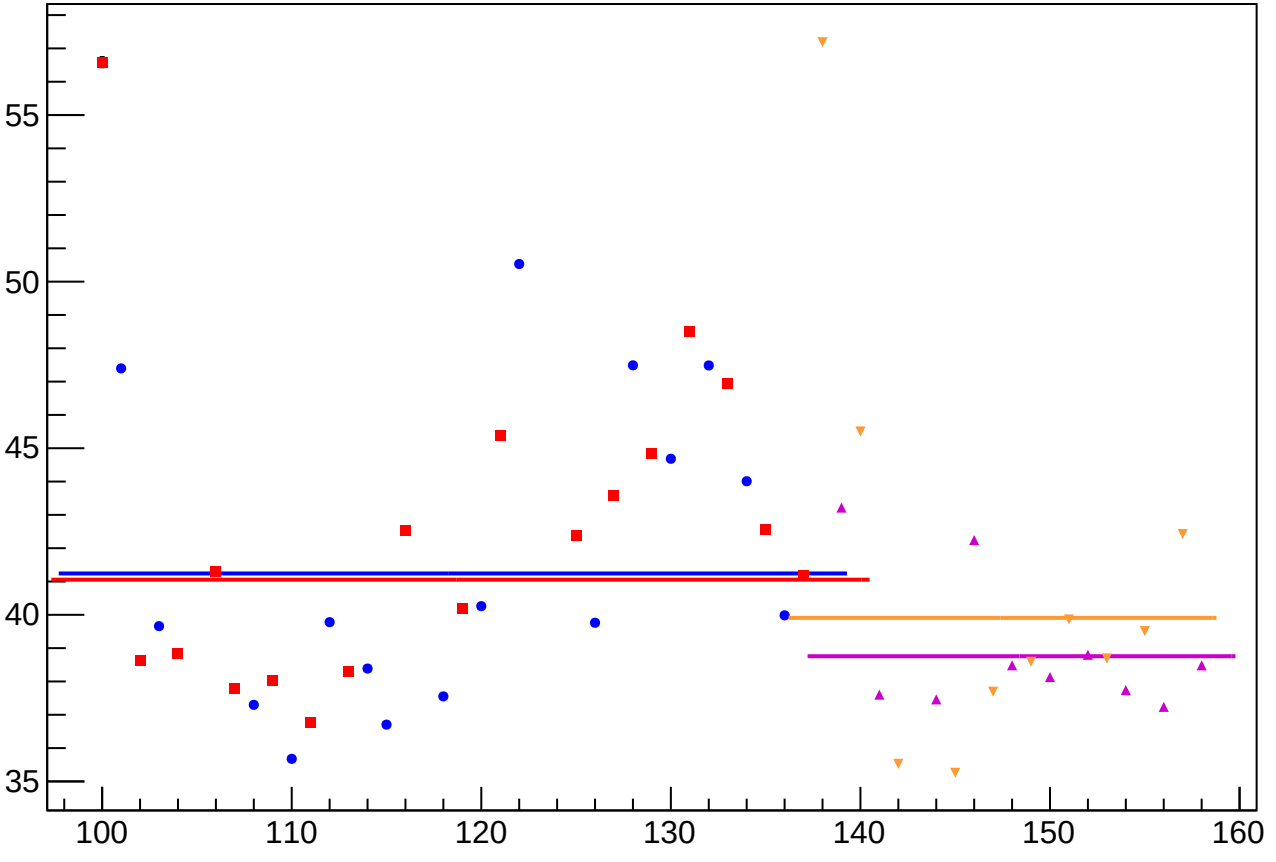
Left In: 0.000+/-0.013 χ^2/NDF:8.2/9

+ sign -0.002+/-0.011 χ^2/NDF: 20.0/25

All: -0.006+/-0.007 χ^2/NDF: 45.1/53

- sign -0.010+/-0.010 χ^2/NDF: 24.9/27

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug



Right In: 41.242+/-0.011 χ^2/NDF: 135279.1/15

Left Out: 39.909+/-0.010 χ^2/NDF:210250.2/9

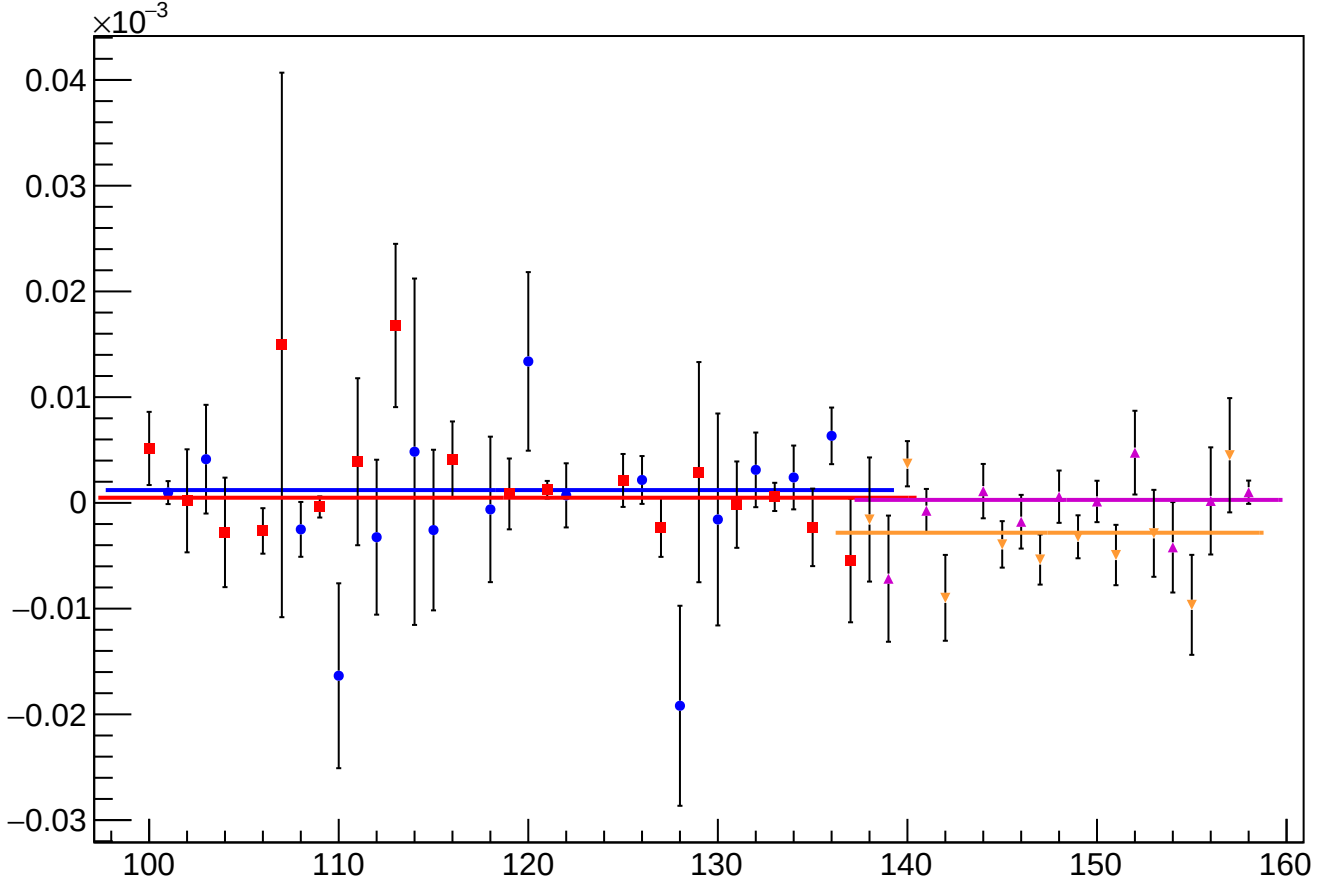
Right Out: 41.055+/-0.011 χ^2/NDF: 96560.6/17

Left In: 38.758+/-0.009 χ^2/NDF:36967.8/9

+ sign 40.531+/-0.008 χ^2/NDF: 353185.7/25

All: 40.113+/-0.005 χ^2/NDF: 517502.9/53

- sign 39.742+/-0.007 χ^2/NDF: 158618.9/27



Right In: 0.000+/-0.000 χ^2/NDF: 18.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.5/9

Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/17

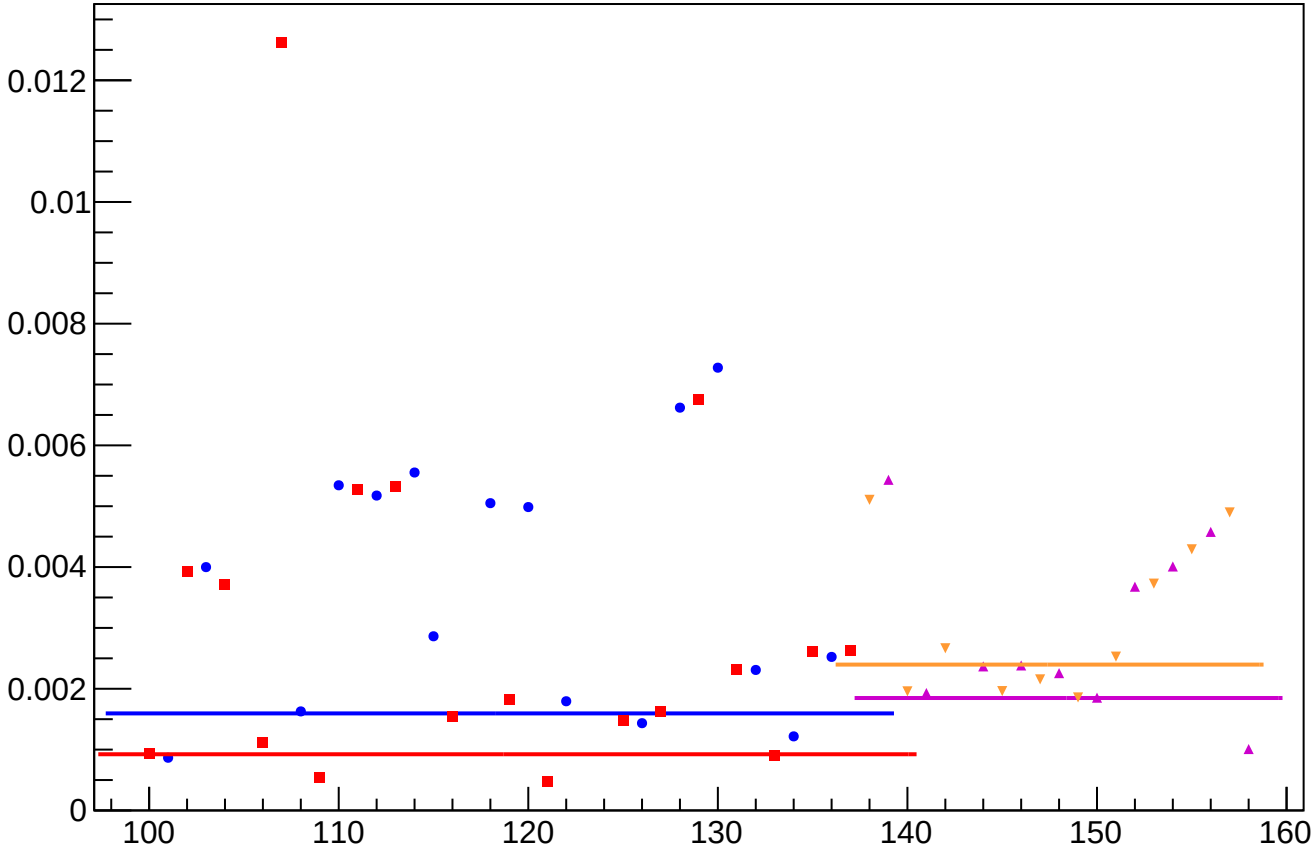
Left In: 0.000+/-0.000 χ^2/NDF:5.4/9

+ sign -0.000+/-0.000 χ^2/NDF: 47.5/25

All: 0.000+/-0.000 χ^2/NDF: 69.3/53

- sign 0.000+/-0.000 χ^2/NDF: 20.4/27

asym_us_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 4762068.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:1722599.8/9

Right Out: 0.001+/-0.000 χ^2/NDF: 5780451.3/17

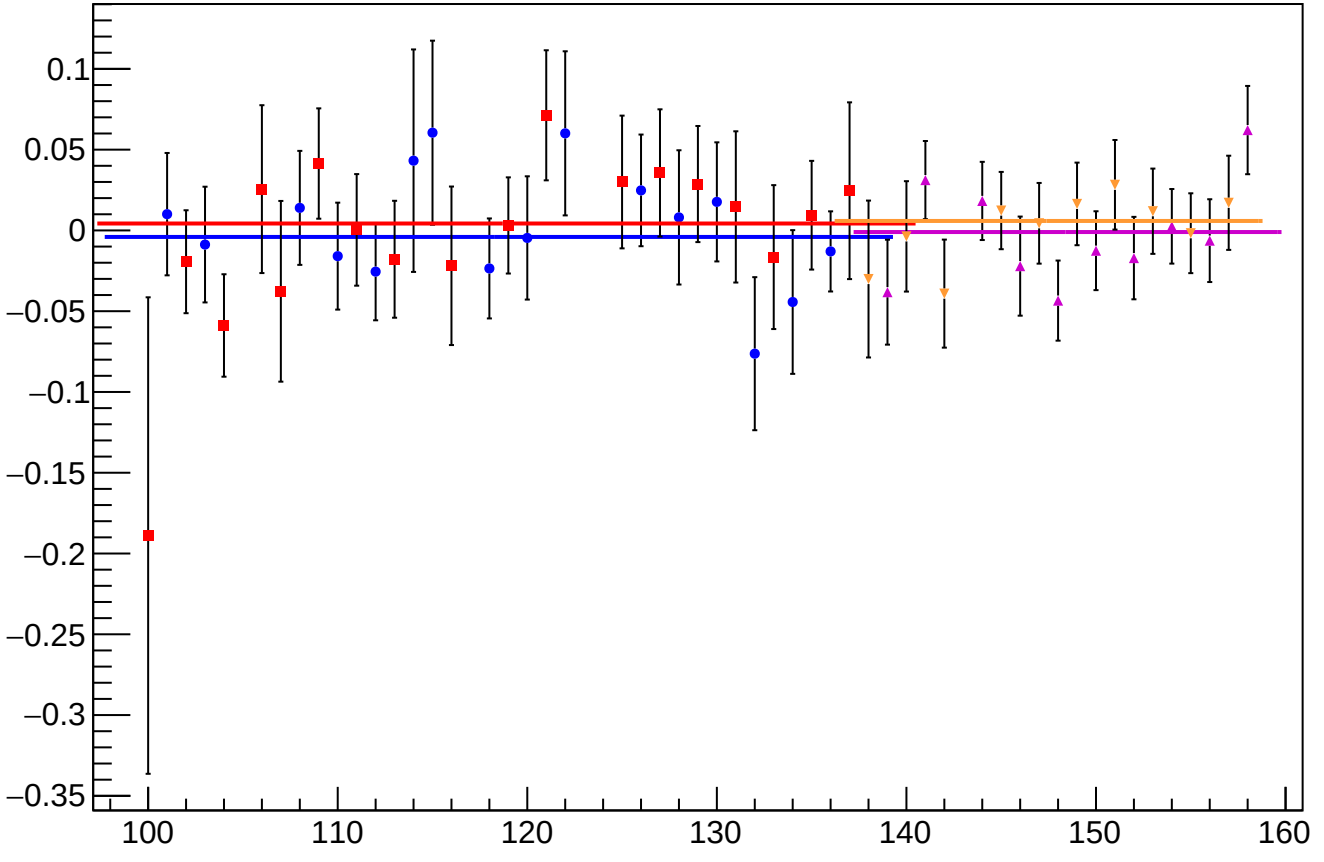
Left In: 0.002+/-0.000 χ^2/NDF:3628533.4/9

+ sign 0.002+/-0.000 χ^2/NDF: 7404397.9/25

All: 0.001+/-0.000 χ^2/NDF: 20981255.6/53

- sign 0.001+/-0.000 χ^2/NDF: 11678007.0/27

asym_us_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.009 χ^2/NDF: 9.2/15

Left Out: 0.006+/-0.009 χ^2/NDF:3.6/9

Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

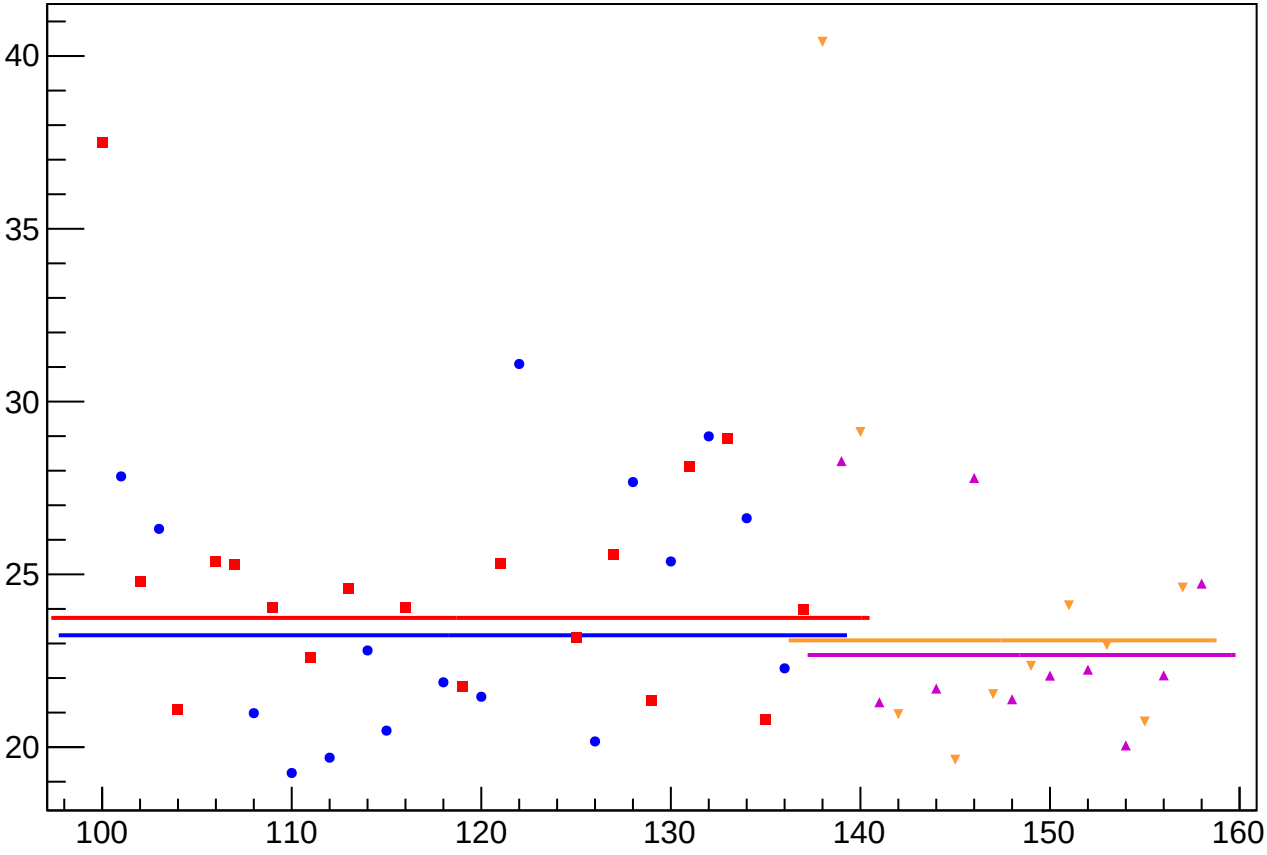
Left In: -0.001+/-0.008 χ^2/NDF:13.1/9

+ sign 0.001+/-0.006 χ^2/NDF: 13.4/25

All: 0.001+/-0.004 χ^2/NDF: 40.2/53

- sign 0.001+/-0.006 χ^2/NDF: 26.8/27

asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 23.237+/-0.007 χ^2/NDF: 259224.2/15

Left Out: 23.090+/-0.006 χ^2/NDF:402276.7/9

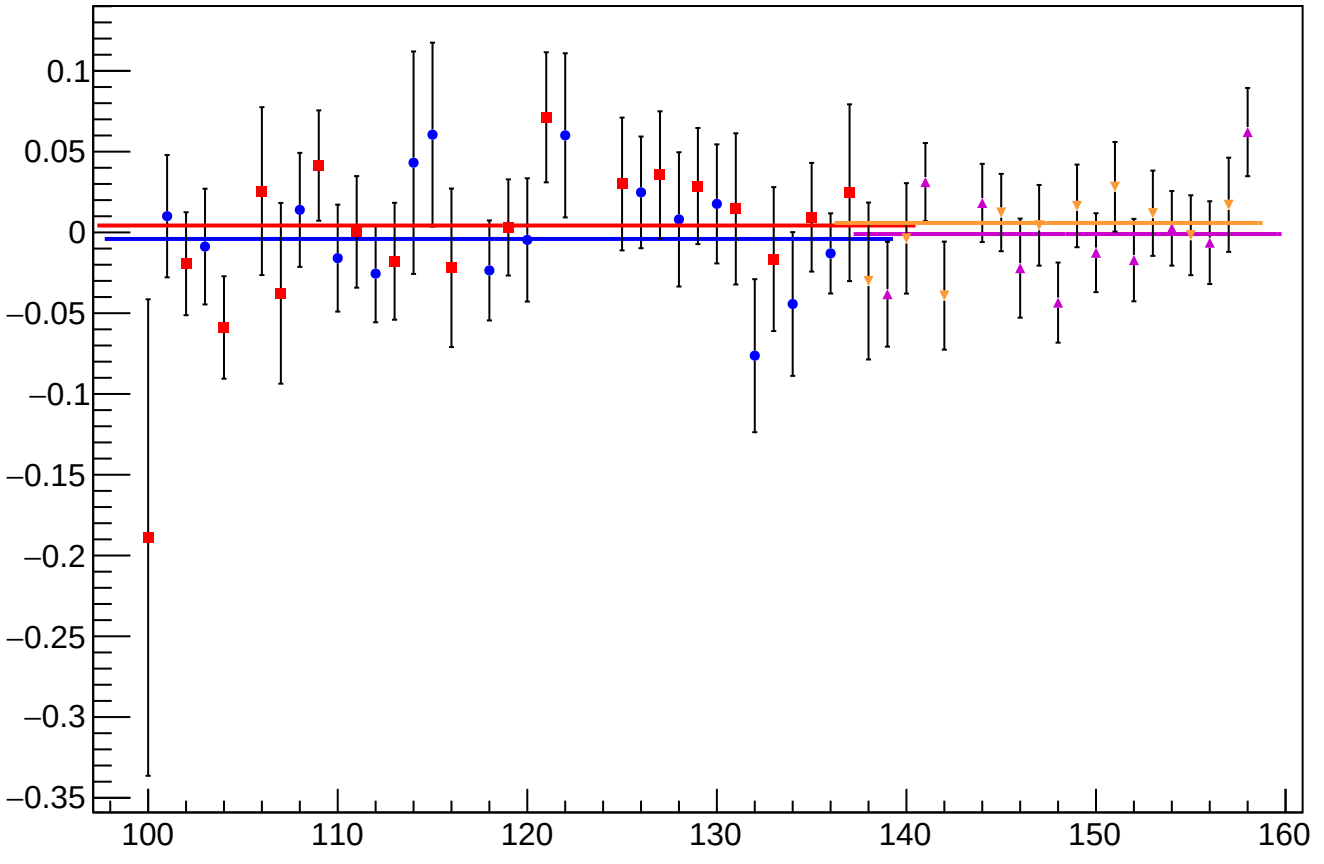
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 22.667+/-0.006 χ^2/NDF:170360.5/9

+ sign 23.161+/-0.005 χ^2/NDF: 661763.7/25

All: 23.146+/-0.003 χ^2/NDF: 973310.8/53

- sign 23.133+/-0.004 χ^2/NDF: 311527.7/27



Right In: -0.004+/-0.009 χ^2/NDF: 9.2/15

Left Out: 0.006+/-0.009 χ^2/NDF:3.6/9

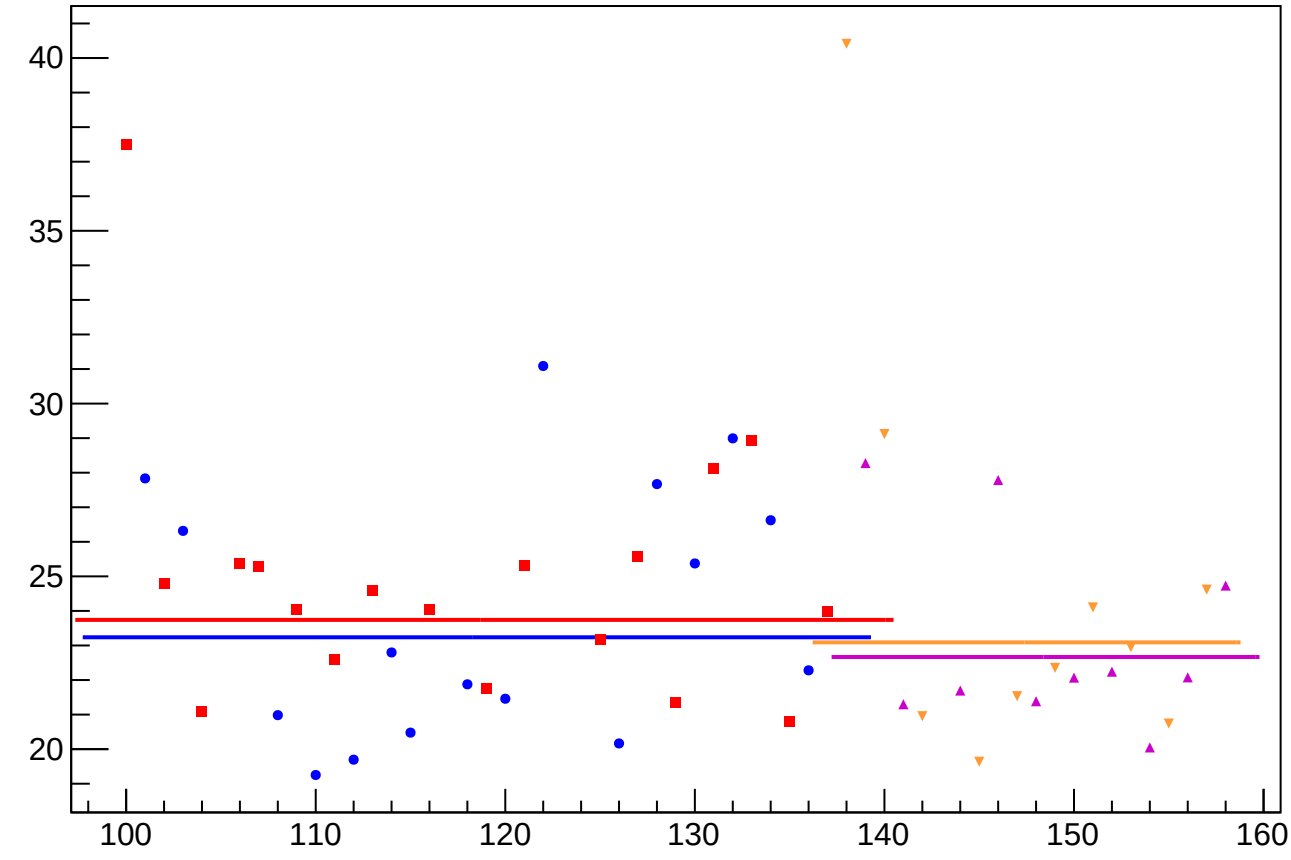
Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

Left In: -0.001+/-0.008 χ^2/NDF:13.1/9

+ sign 0.001+/-0.006 χ^2/NDF: 13.4/25

All: 0.001+/-0.004 χ^2/NDF: 40.2/53

- sign 0.001+/-0.006 χ^2/NDF: 26.8/27



Right In: 23.237+/-0.007 χ^2/NDF: 259224.2/15

Left Out: 23.090+/-0.006 χ^2/NDF:402276.7/9

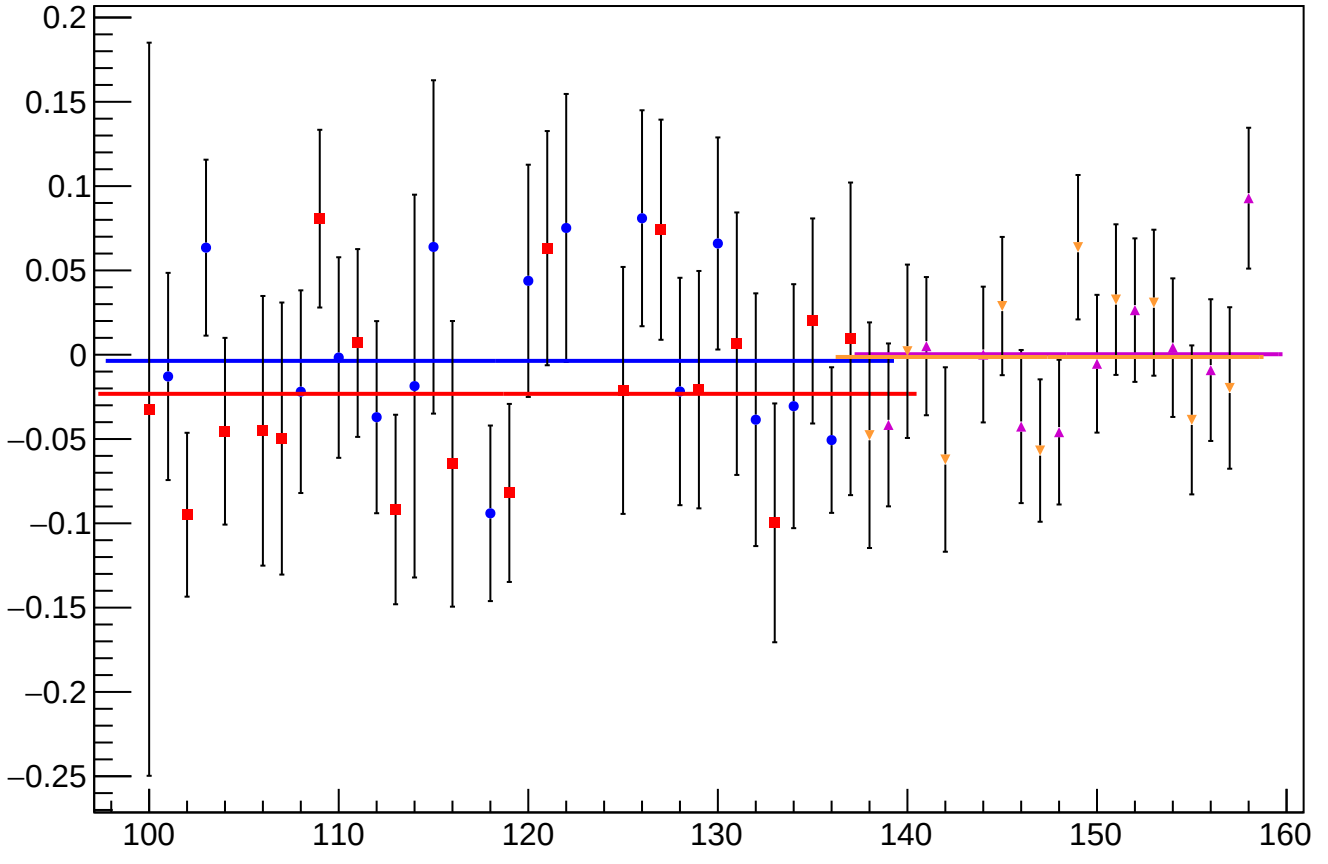
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 22.667+/-0.006 χ^2/NDF:170360.5/9

+ sign 23.161+/-0.005 χ^2/NDF: 661763.7/25

All: 23.146+/-0.003 χ^2/NDF: 973310.8/53

- sign 23.133+/-0.004 χ^2/NDF: 311527.7/27



Right In: -0.004+/-0.016 χ^2/NDF: 11.7/15

Left Out: -0.001+/-0.015 χ^2/NDF:8.3/9

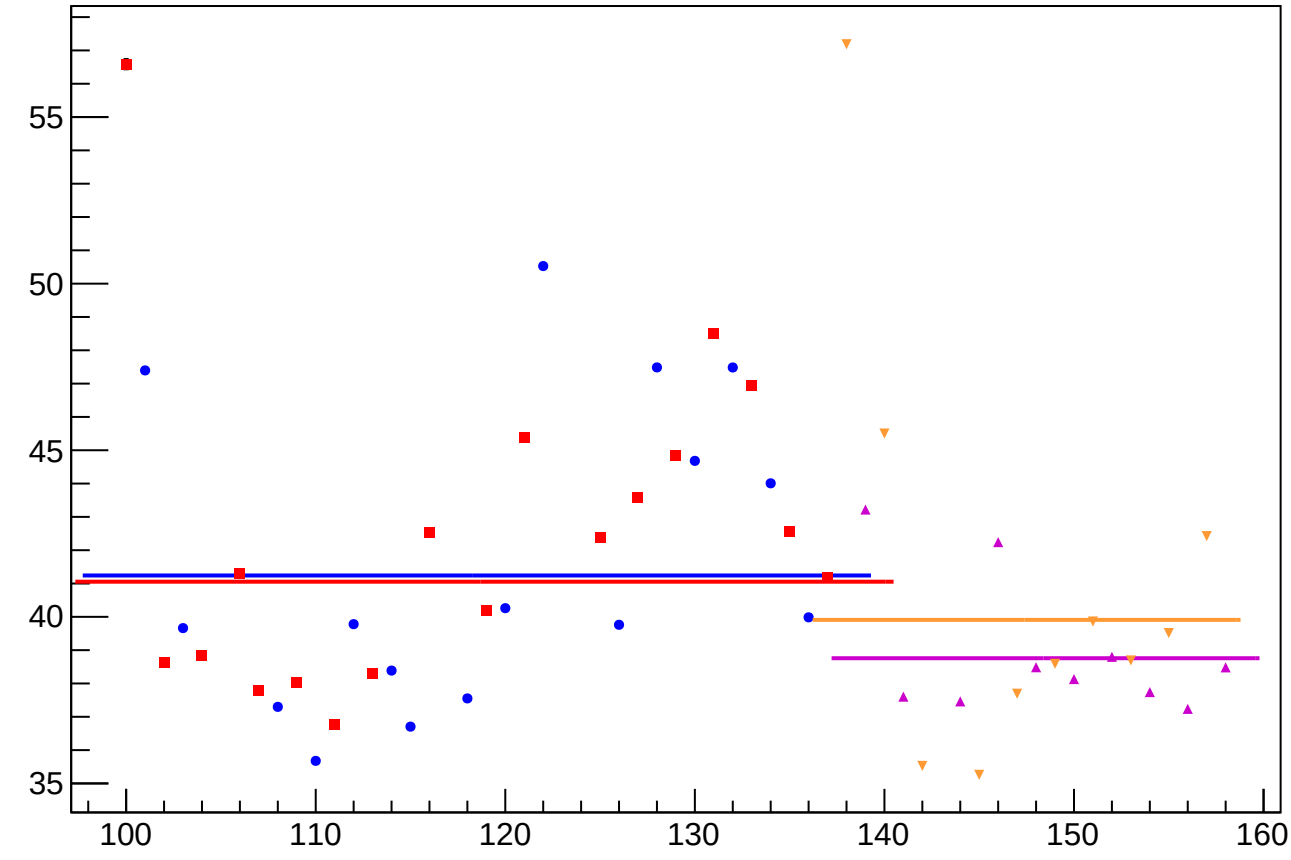
Right Out: -0.023+/-0.016 χ^2/NDF: 15.4/17

Left In: 0.000+/-0.013 χ^2/NDF:8.2/9

+ sign -0.002+/-0.011 χ^2/NDF: 20.0/25

All: -0.006+/-0.007 χ^2/NDF: 45.1/53

- sign -0.010+/-0.010 χ^2/NDF: 24.9/27



Right In: 41.241+/-0.011 χ^2/NDF: 135256.9/15

Left Out: 39.909+/-0.010 χ^2/NDF:210251.7/9

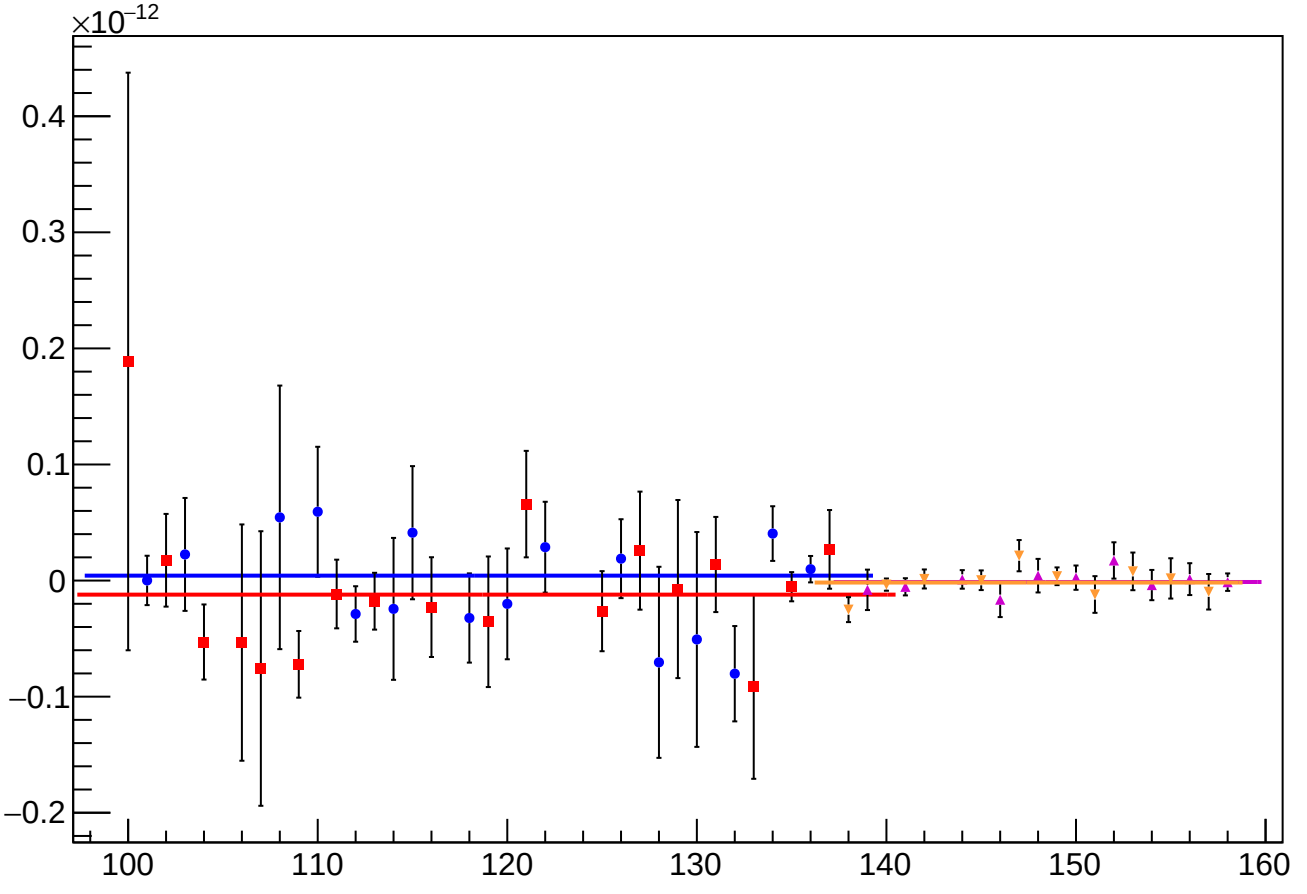
Right Out: 41.055+/-0.011 χ^2/NDF: 96549.4/17

Left In: 38.758+/-0.009 χ^2/NDF:36970.2/9

+ sign 40.531+/-0.008 χ^2/NDF: 353160.6/25

All: 40.114+/-0.005 χ^2/NDF: 517463.5/53

- sign 39.742+/-0.007 χ^2/NDF: 158606.2/27



Right In: 0.000+/-0.000 χ^2/NDF: 13.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.6/9

Right Out: -0.000+/-0.000 χ^2/NDF: 14.5/17

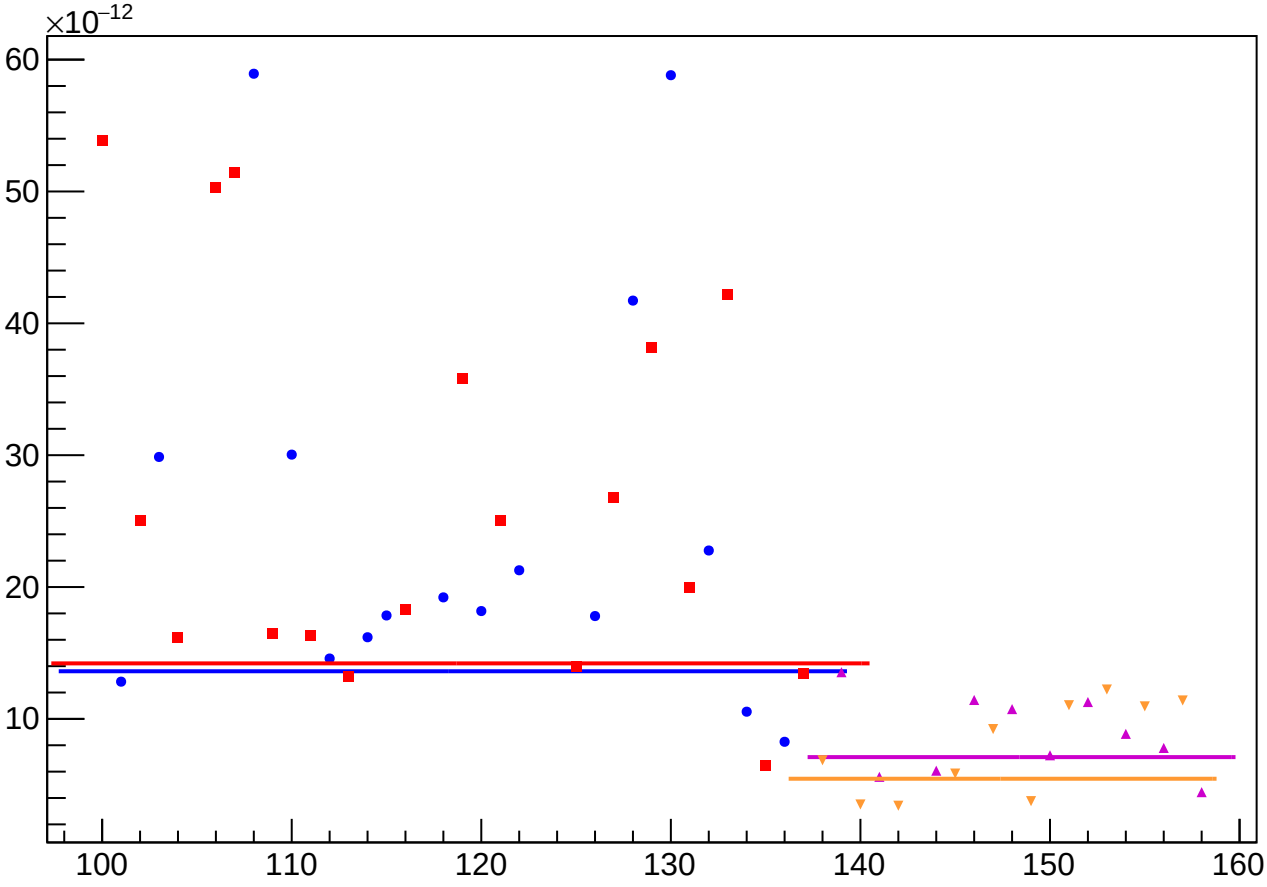
Left In: -0.000+/-0.000 χ^2/NDF:3.3/9

+ sign -0.000+/-0.000 χ^2/NDF: 23.8/25

All: -0.000+/-0.000 χ^2/NDF: 43.6/53

- sign -0.000+/-0.000 χ^2/NDF: 19.5/27

asym_us_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2188622.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1791507.6/9

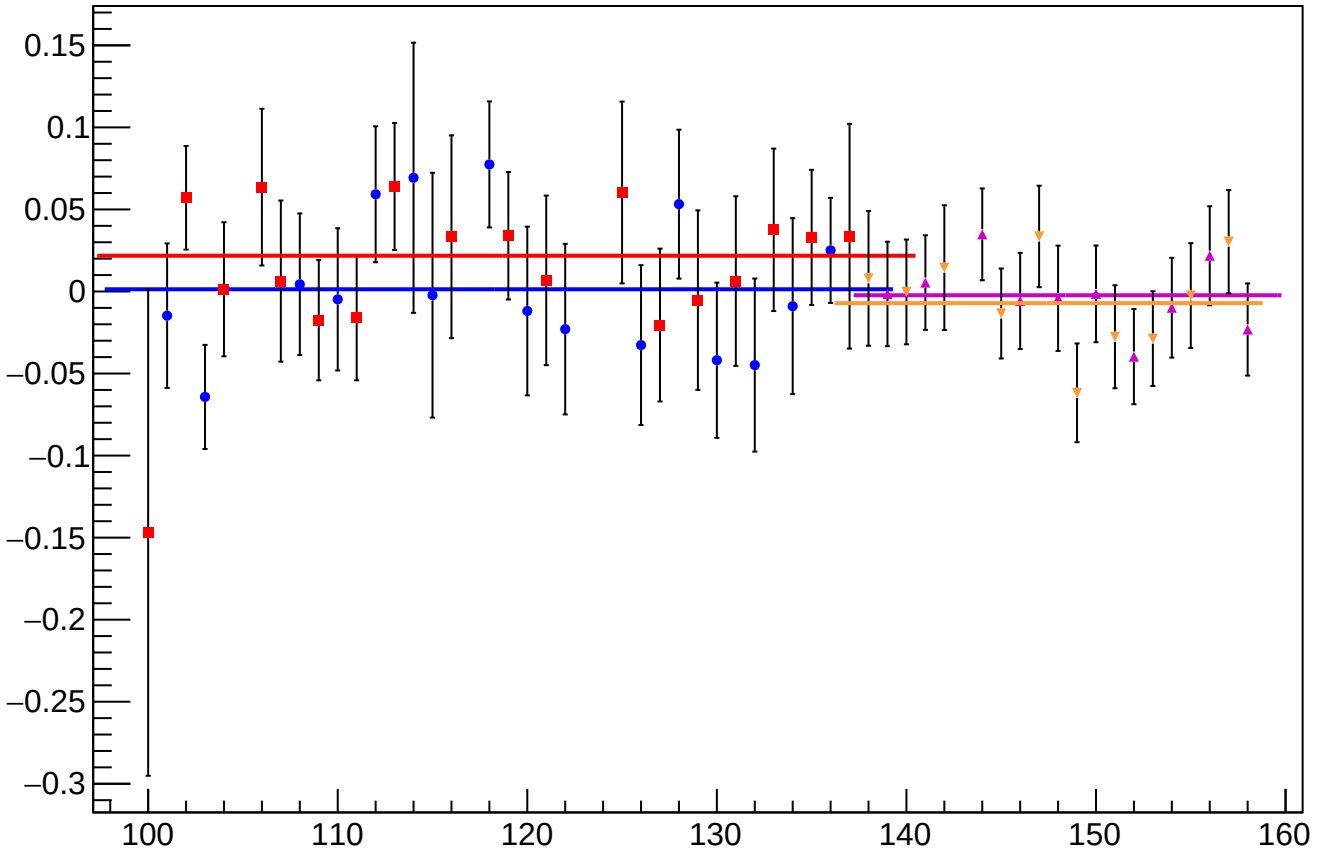
Right Out: 0.000+/-0.000 χ^2/NDF: 2471664.5/17

Left In: 0.000+/-0.000 χ^2/NDF:1116611.9/9

+ sign 0.000+/-0.000 χ^2/NDF: 6076870.2/25

All: 0.000+/-0.000 χ^2/NDF: 11368500.5/53

- sign 0.000+/-0.000 χ^2/NDF: 4992405.3/27



Right In: 0.001+/-0.011 χ^2/NDF: 15.3/15

Left Out: -0.007+/-0.010 χ^2/NDF:8.0/9

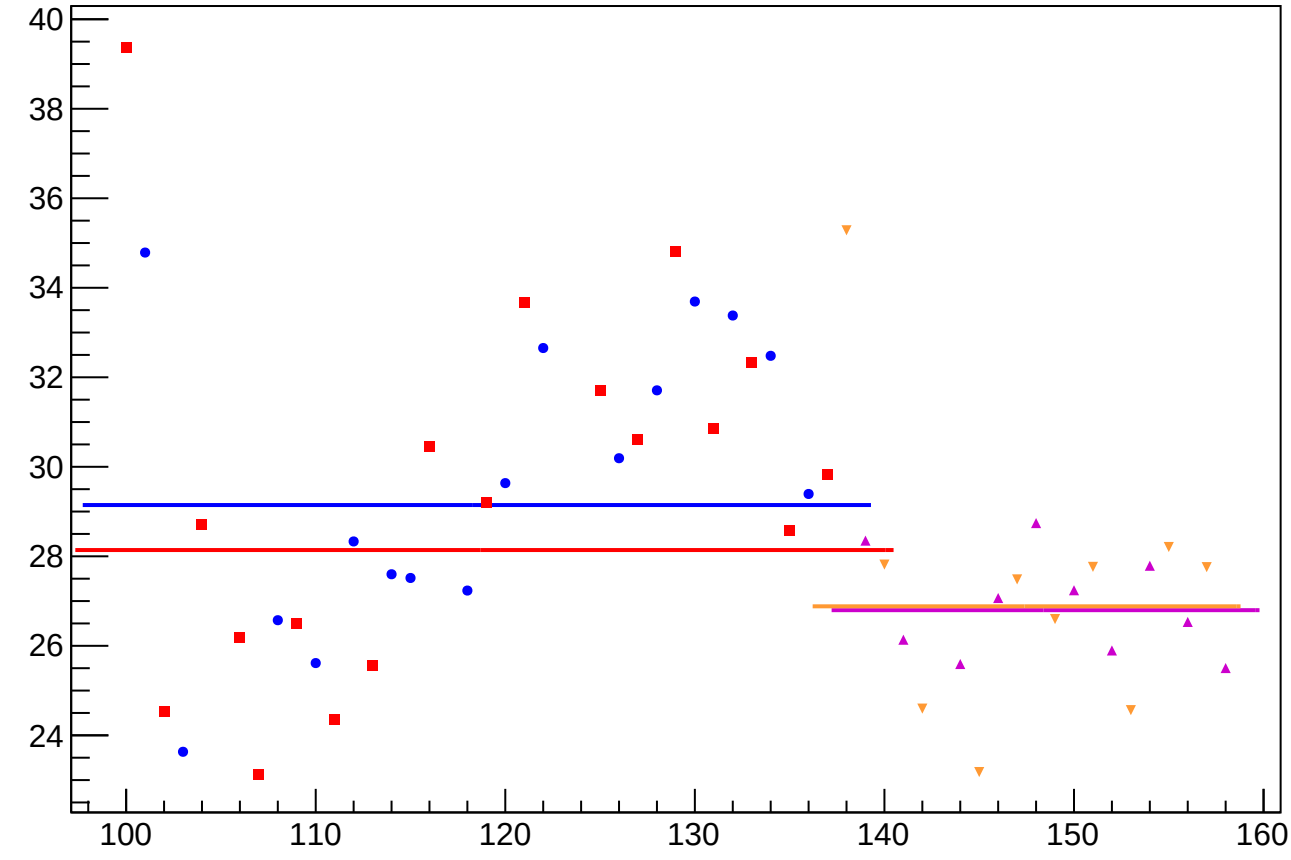
Right Out: 0.022+/-0.011 χ^2/NDF: 9.0/17

Left In: -0.002+/-0.009 χ^2/NDF:4.8/9

+ sign -0.003+/-0.007 χ^2/NDF: 23.6/25

All: 0.003+/-0.005 χ^2/NDF: 41.5/53

- sign 0.008+/-0.007 χ^2/NDF: 16.6/27



Right In: 29.146+/-0.008 χ^2/NDF: 176889.4/15

Left Out: 26.882+/-0.007 χ^2/NDF:149552.9/9

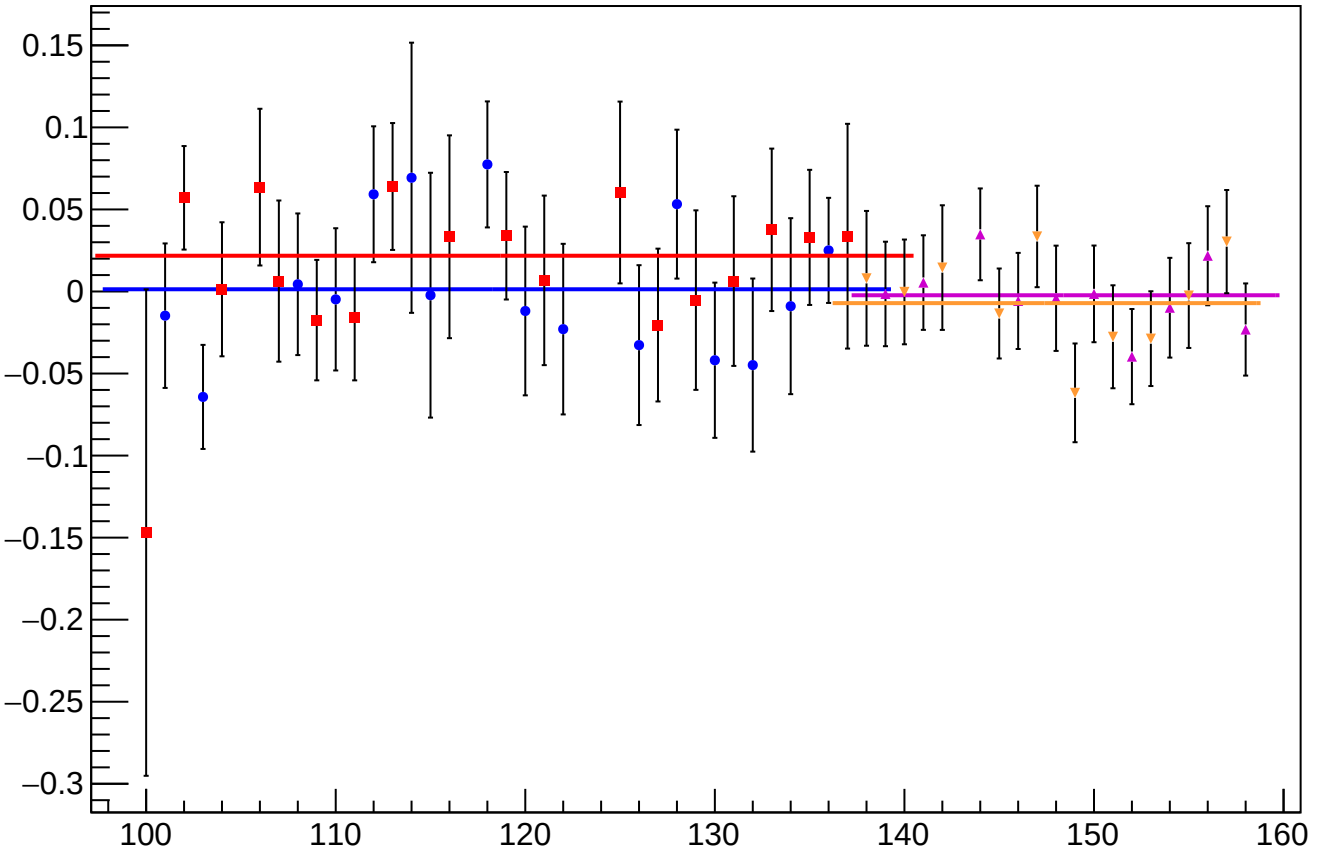
Right Out: 28.140+/-0.008 χ^2/NDF: 187103.8/17

Left In: 26.797+/-0.007 χ^2/NDF:25948.4/9

+ sign 27.888+/-0.005 χ^2/NDF: 371735.6/25

All: 27.617+/-0.004 χ^2/NDF: 607459.6/53

- sign 27.375+/-0.005 χ^2/NDF: 230752.6/27



Right In: 0.001+/-0.011 χ^2/NDF: 15.3/15

Left Out: -0.007+/-0.010 χ^2/NDF:8.0/9

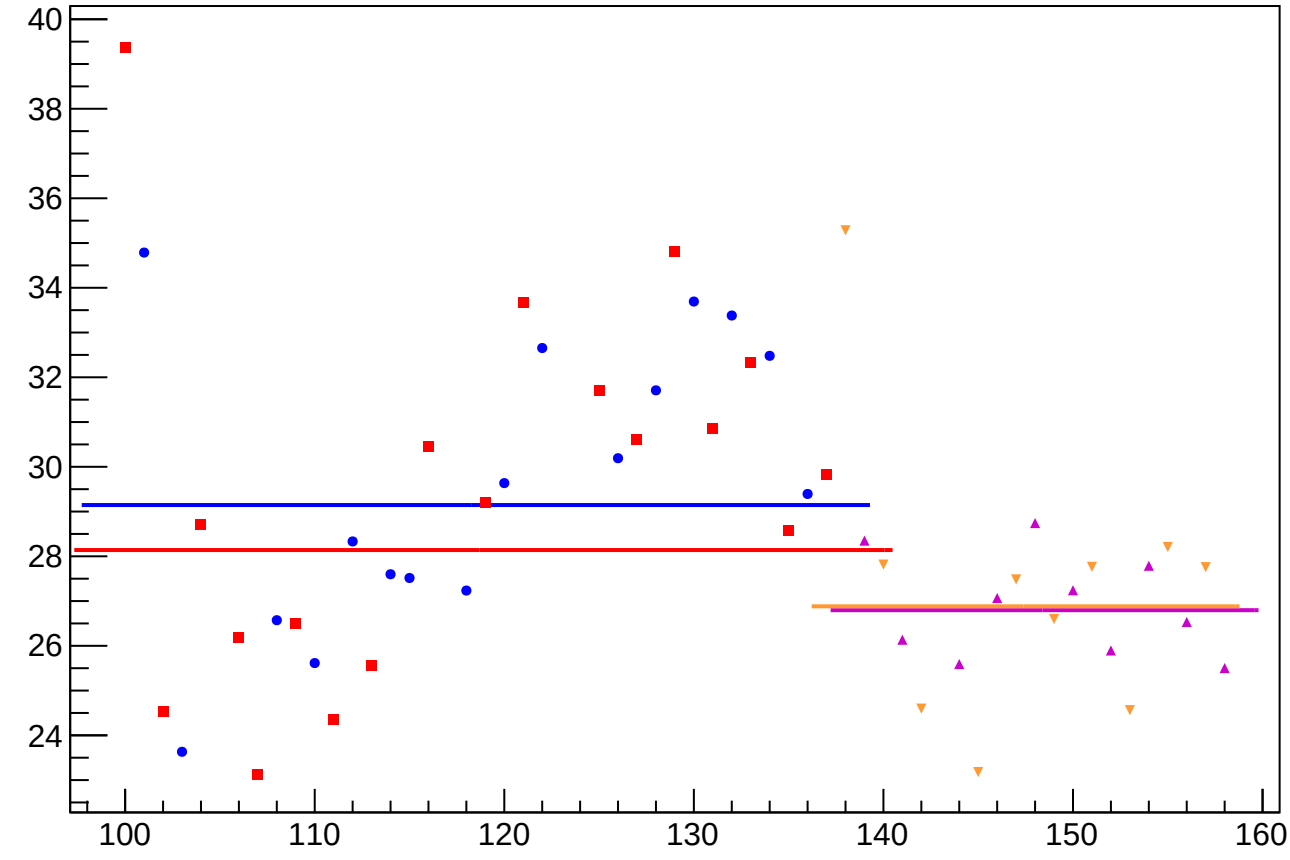
Right Out: 0.022+/-0.011 χ^2/NDF: 9.0/17

Left In: -0.002+/-0.009 χ^2/NDF:4.8/9

+ sign -0.003+/-0.007 χ^2/NDF: 23.6/25

All: 0.003+/-0.005 χ^2/NDF: 41.5/53

- sign 0.008+/-0.007 χ^2/NDF: 16.6/27



Right In: 29.146+/-0.008 χ^2/NDF: 176889.4/15

Left Out: 26.882+/-0.007 χ^2/NDF:149552.9/9

Right Out: 28.140+/-0.008 χ^2/NDF: 187103.8/17

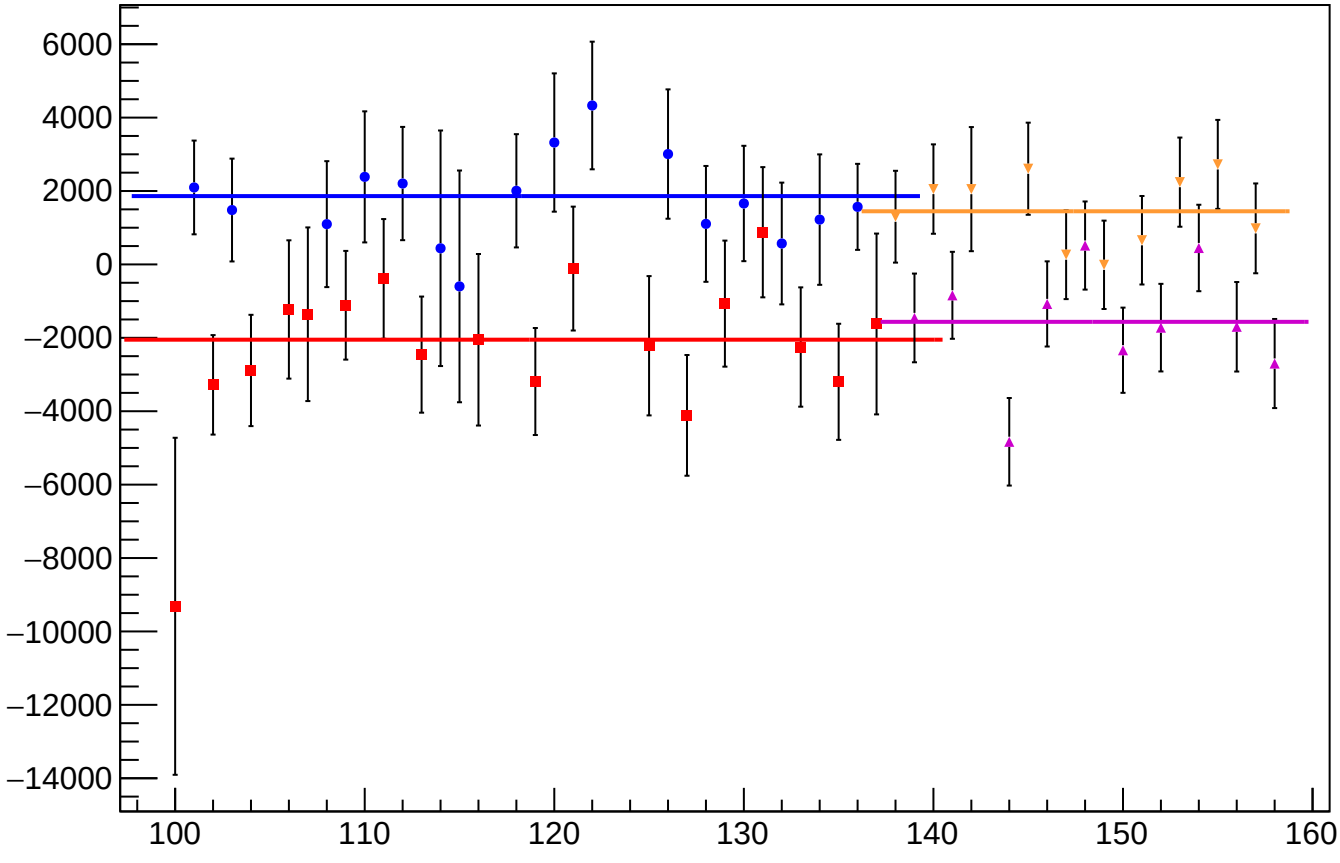
Left In: 26.797+/-0.007 χ^2/NDF:25948.4/9

+ sign 27.888+/-0.005 χ^2/NDF: 371735.6/25

All: 27.617+/-0.004 χ^2/NDF: 607459.6/53

- sign 27.375+/-0.005 χ^2/NDF: 230752.6/27

reg_asym_usl_mean vs Slug



Right In: 1861.525+/-409.524 χ^2/NDF: 5.3/15

Left Out: 1447.939+/-395.787 χ^2/NDF:5.8/9

Right Out: -2050.842+/-409.249 χ^2/NDF: 12.5/17

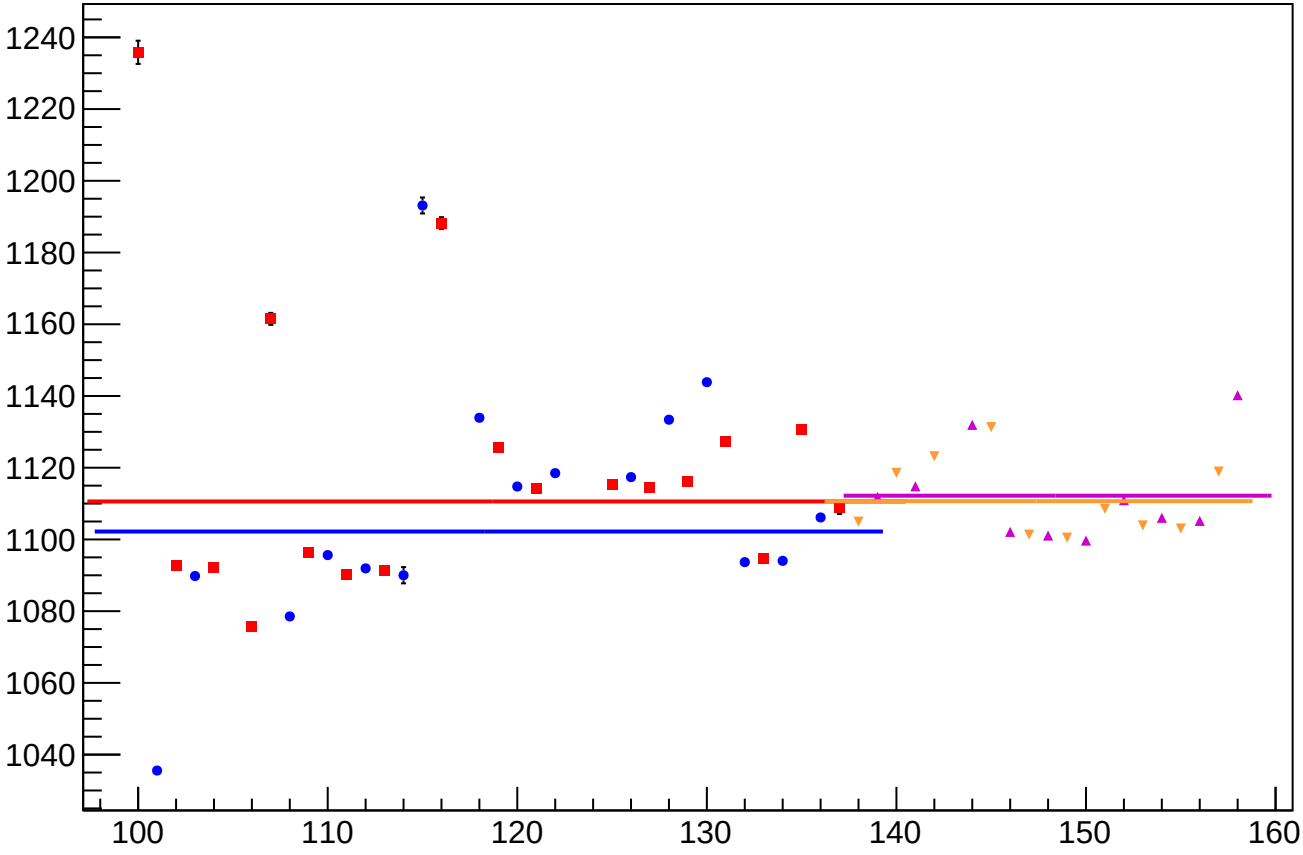
Left In: -1564.549+/-376.562 χ^2/NDF:15.3/9

+ sign 1647.679+/-284.596 χ^2/NDF: 11.6/25

All: -115.711+/-198.539 χ^2/NDF: 115.1/53

- sign -1787.502+/-277.106 χ^2/NDF: 28.6/27

reg_asym_usl_rms vs Slug



Right In: 1102.205+/-0.290 χ^2/NDF: 11348.9/15

Left Out: 1110.668+/-0.280 χ^2/NDF:1276.3/9

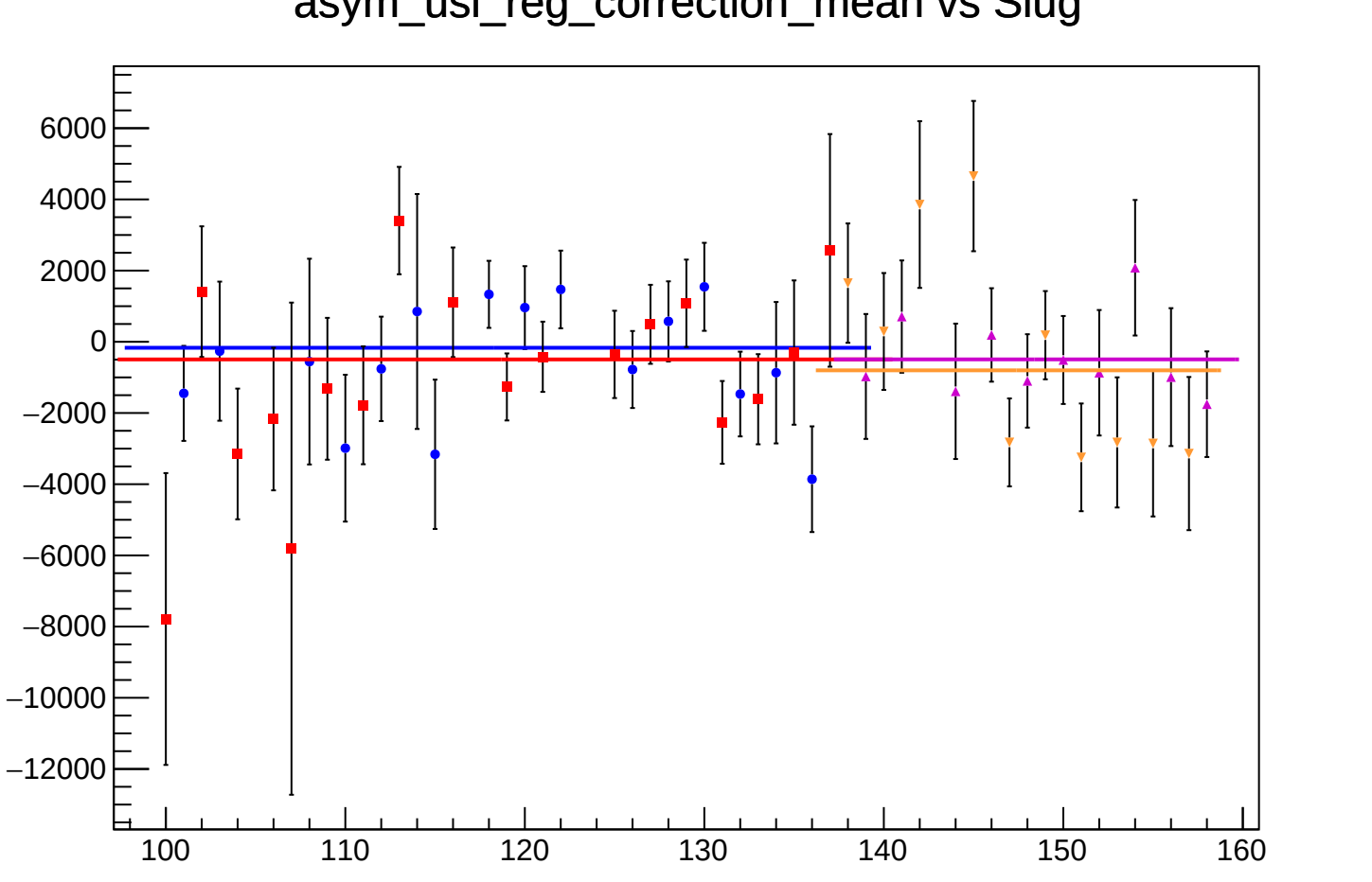
Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

Left In: 1112.197+/-0.266 χ^2/NDF:2302.4/9

+ sign 1106.581+/-0.201 χ^2/NDF: 13066.8/25

All: 1109.086+/-0.140 χ^2/NDF: 23383.8/53

- sign 1111.461+/-0.196 χ^2/NDF: 10015.1/27



Right In: -167.891+/-345.441 χ^2/NDF: 21.0/15

Left Out: -801.886+/-524.791 χ^2/NDF:22.6/9

Right Out: -495.172+/-345.054 χ^2/NDF: 23.3/17

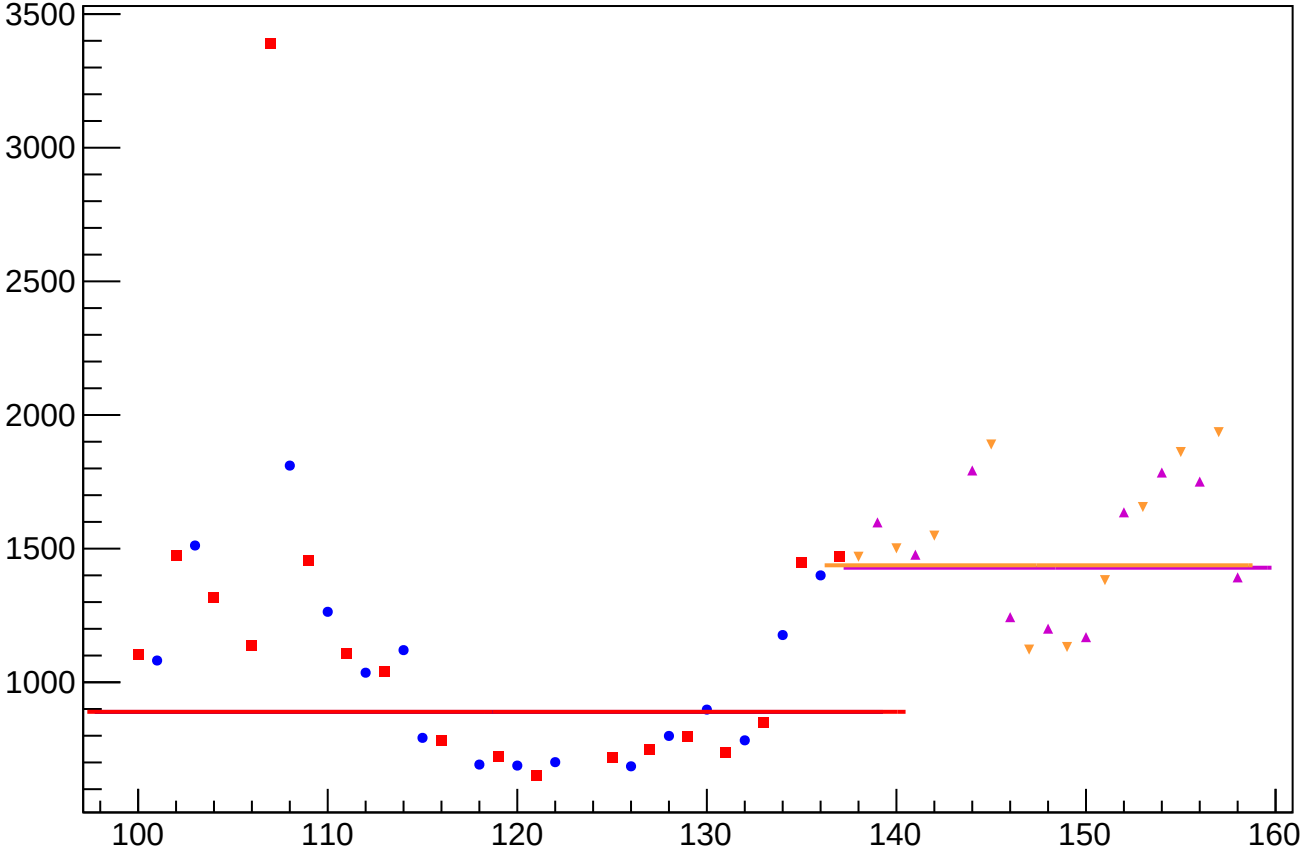
Left In: -494.149+/-491.530 χ^2/NDF:4.0/9

+ sign -359.549+/-288.541 χ^2/NDF: 44.6/25

All: -428.644+/-201.828 χ^2/NDF: 72.0/53

- sign -494.834+/-282.414 χ^2/NDF: 27.3/27

asym_usl_reg_correction_rms vs Slug



Right In: 888.956+/-0.244 χ^2/NDF: 1132766.3/15

Left Out: 1437.620+/-0.371 χ^2/NDF:575885.0/9

Right Out: 889.478+/-0.244 χ^2/NDF: 1345750.2/17

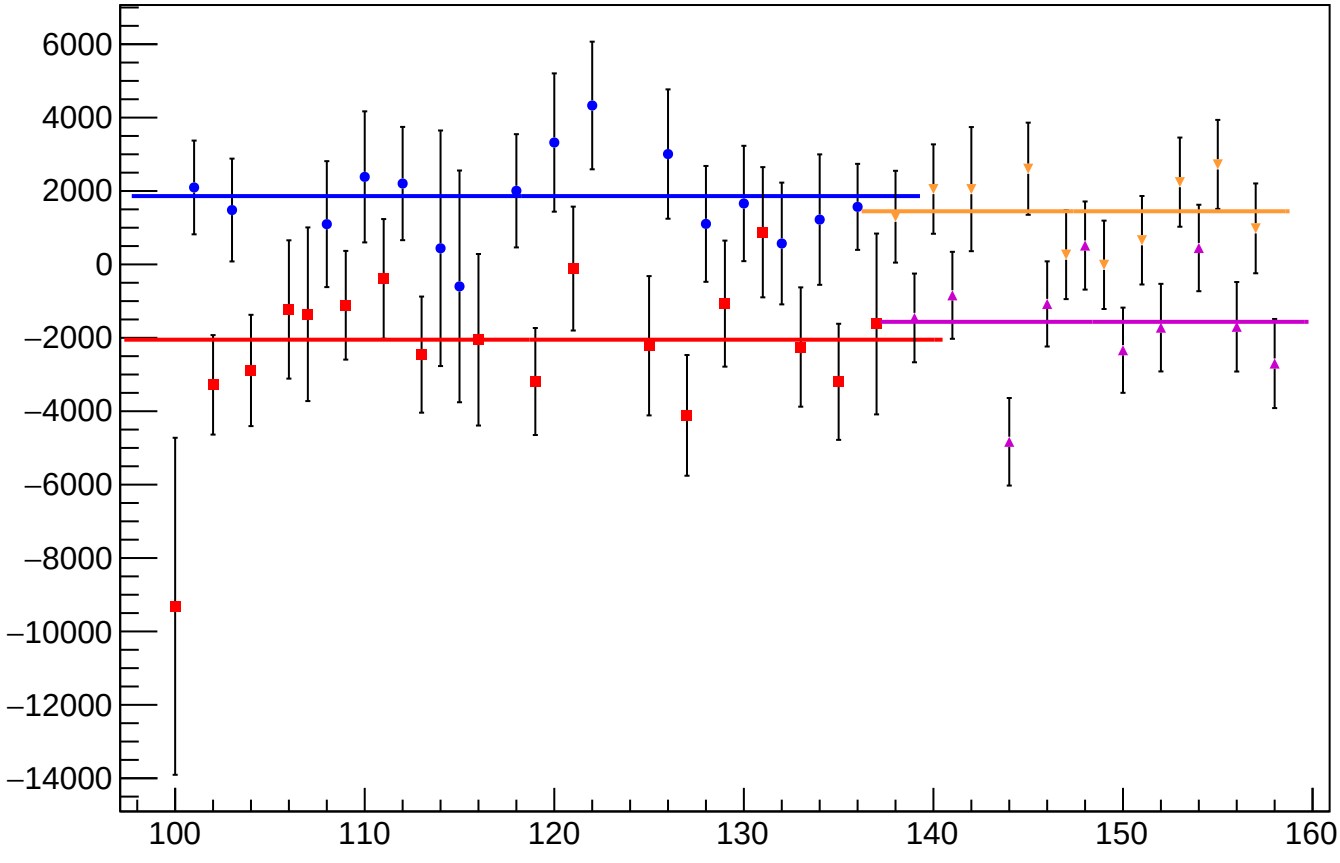
Left In: 1428.598+/-0.348 χ^2/NDF:436545.1/9

+ sign 1054.819+/-0.204 χ^2/NDF: 3233887.2/25

All: 1061.271+/-0.143 χ^2/NDF: 6629891.9/53

- sign 1067.452+/-0.200 χ^2/NDF: 3394046.5/27

cor_asym_usl_mean vs Slug



Right In: 1861.525+/-409.524 χ^2/NDF: 5.3/15

Left Out: 1447.939+/-395.787 χ^2/NDF:5.8/9

Right Out: -2050.842+/-409.249 χ^2/NDF: 12.5/17

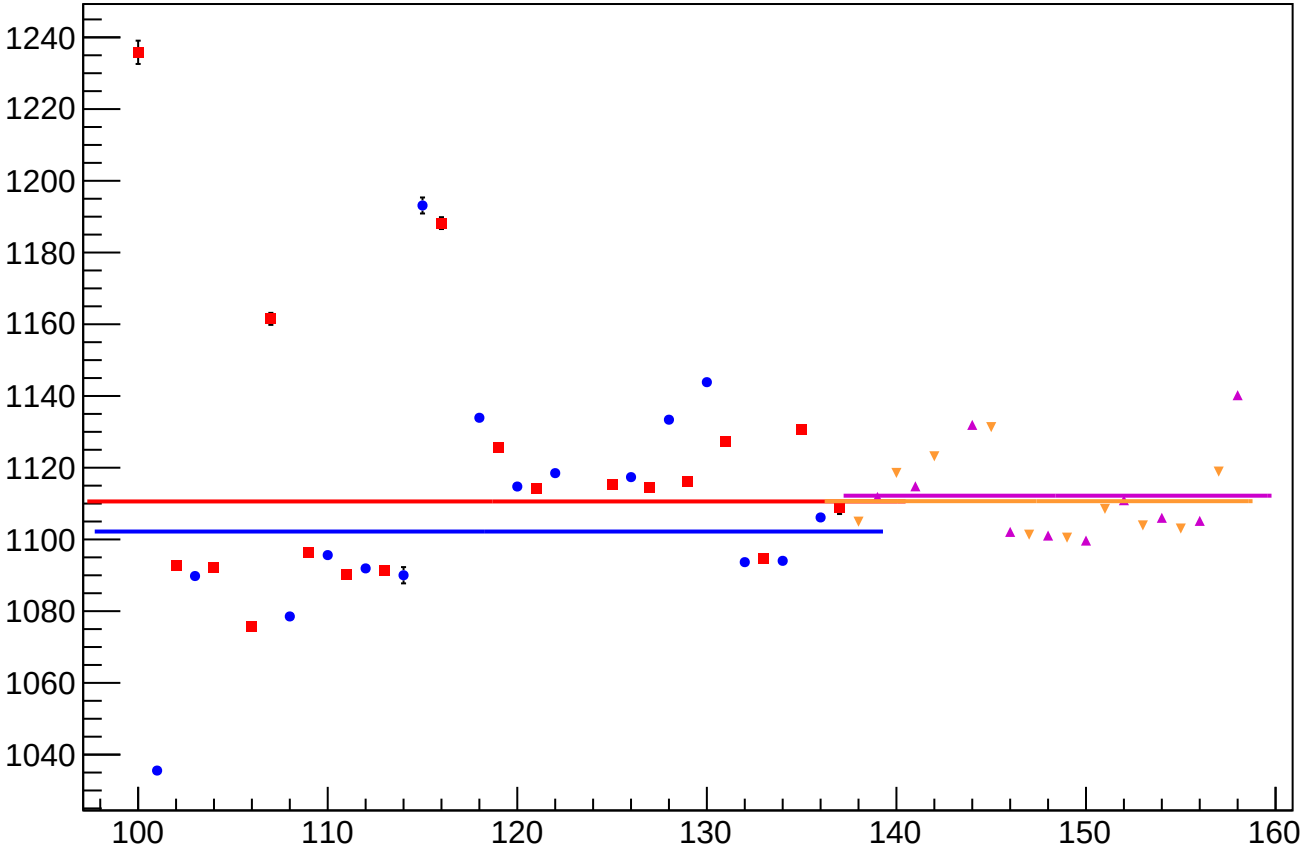
Left In: -1564.549+/-376.562 χ^2/NDF:15.3/9

+ sign 1647.679+/-284.596 χ^2/NDF: 11.6/25

All: -115.711+/-198.539 χ^2/NDF: 115.1/53

- sign -1787.502+/-277.106 χ^2/NDF: 28.6/27

cor_asym_usl_rms vs Slug



Right In: 1102.205+/-0.290 χ^2/NDF: 11348.9/15

Left Out: 1110.668+/-0.280 χ^2/NDF:1276.3/9

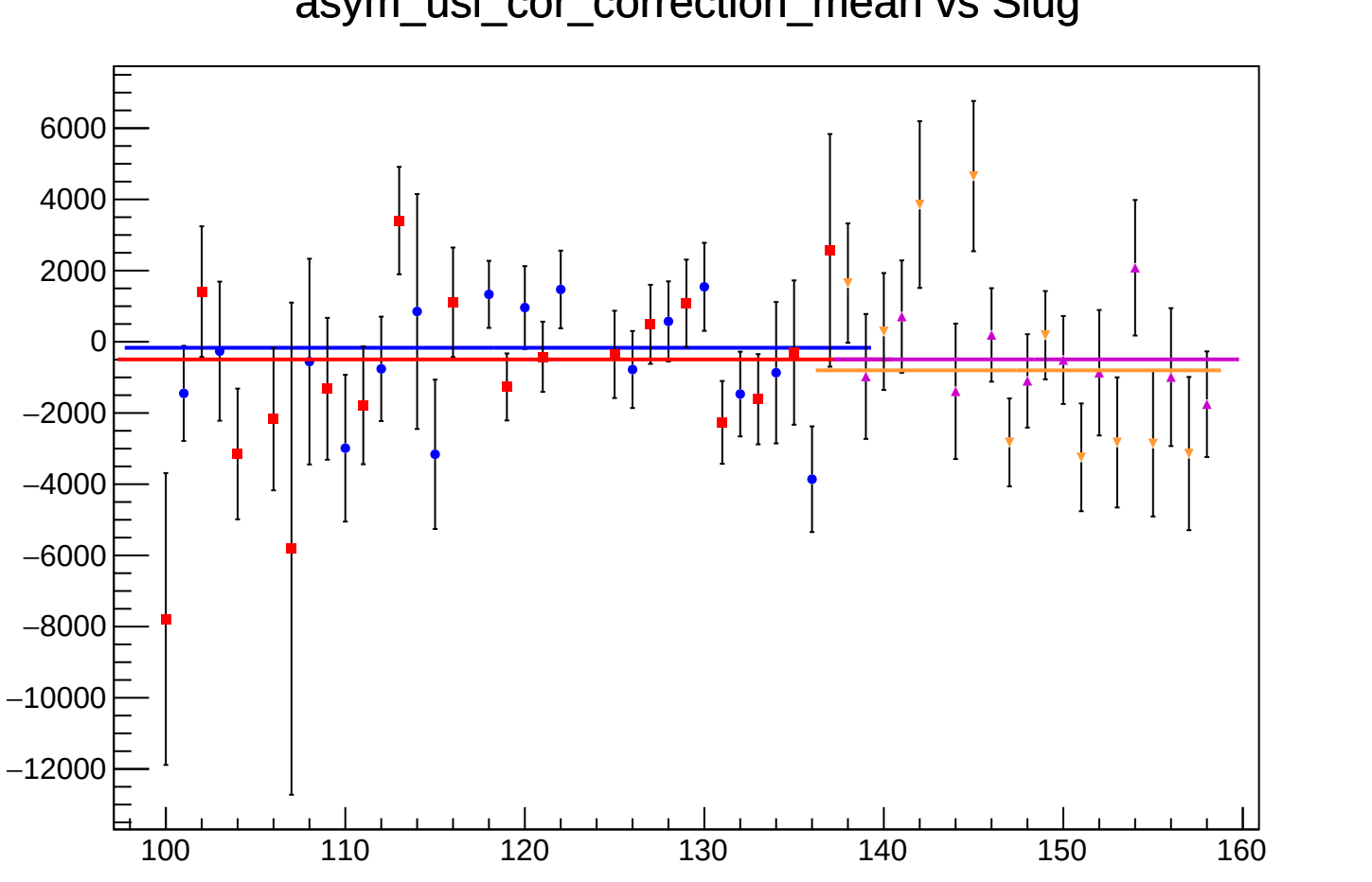
Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

Left In: 1112.197+/-0.266 χ^2/NDF:2302.4/9

+ sign 1106.581+/-0.201 χ^2/NDF: 13066.8/25

All: 1109.086+/-0.140 χ^2/NDF: 23383.8/53

- sign 1111.461+/-0.196 χ^2/NDF: 10015.1/27



Right In: -167.891+/-345.441 χ^2/NDF: 21.0/15

Left Out: -801.886+/-524.791 χ^2/NDF:22.6/9

Right Out: -495.172+/-345.054 χ^2/NDF: 23.3/17

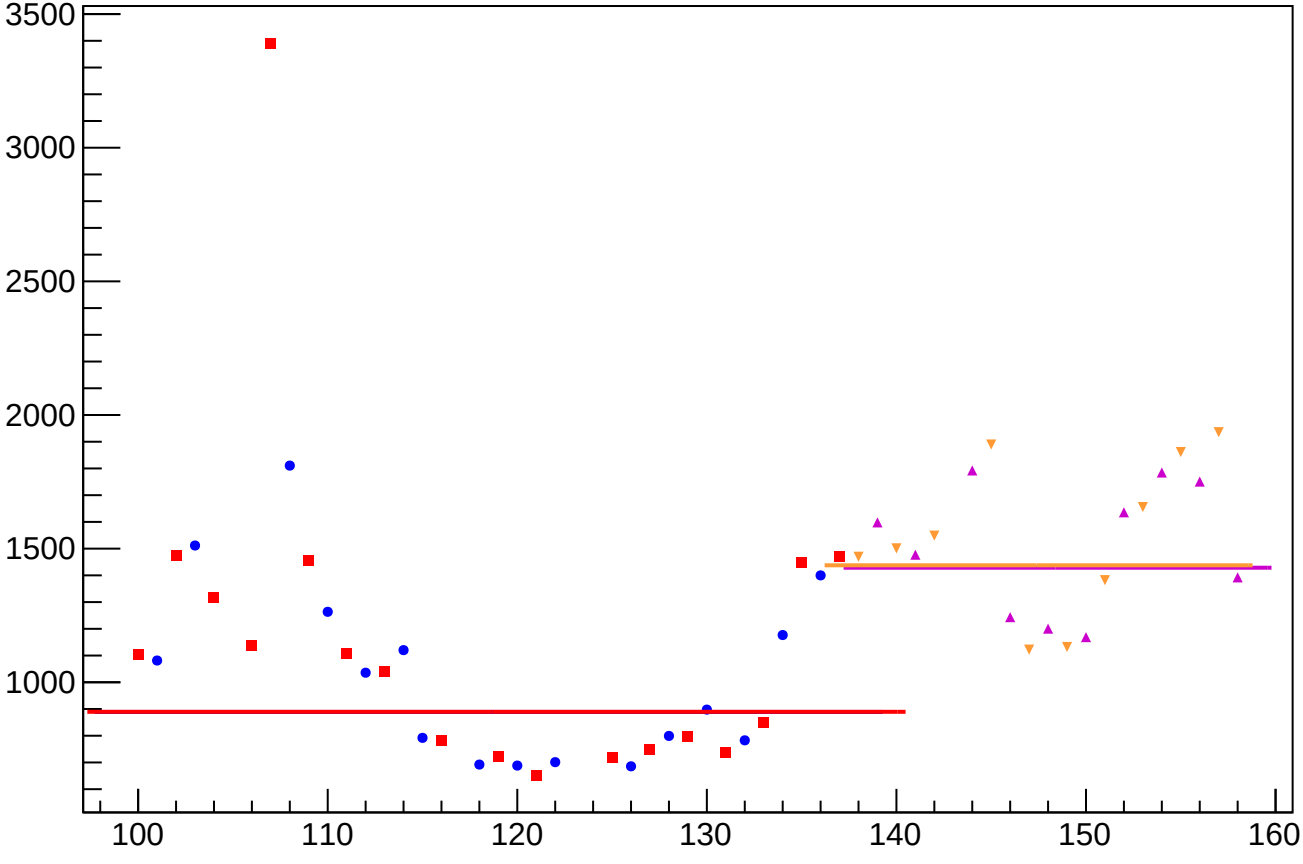
Left In: -494.149+/-491.530 χ^2/NDF:4.0/9

+ sign -359.549+/-288.541 χ^2/NDF: 44.6/25

All: -428.644+/-201.828 χ^2/NDF: 72.0/53

- sign -494.834+/-282.414 χ^2/NDF: 27.3/27

asym_usl_cor_correction_rms vs Slug



Right In: 888.956+/-0.244 χ^2/NDF: 1132766.3/15

Left Out: 1437.620+/-0.371 χ^2/NDF:575885.0/9

Right Out: 889.478+/-0.244 χ^2/NDF: 1345750.2/17

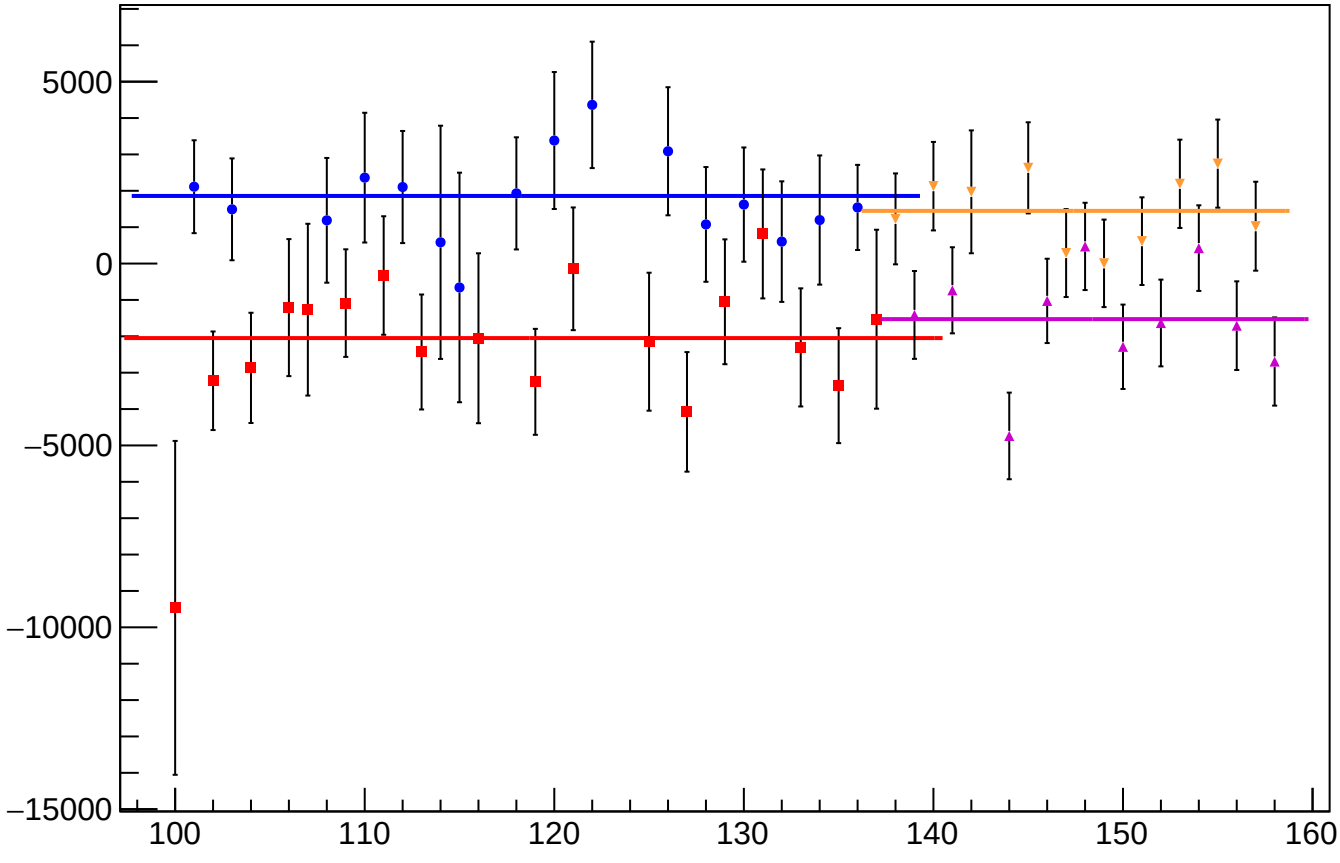
Left In: 1428.598+/-0.348 χ^2/NDF:436545.1/9

+ sign 1054.819+/-0.204 χ^2/NDF: 3233887.2/25

All: 1061.271+/-0.143 χ^2/NDF: 6629891.9/53

- sign 1067.452+/-0.200 χ^2/NDF: 3394046.5/27

overload_cor_asym_usl_mean vs Slug



Right In: 1858.683+/-409.170 χ^2/NDF: 5.4/15

Left Out: 1448.474+/-395.358 χ^2/NDF:5.8/9

Right Out: -2048.674+/-408.894 χ^2/NDF: 12.7/17

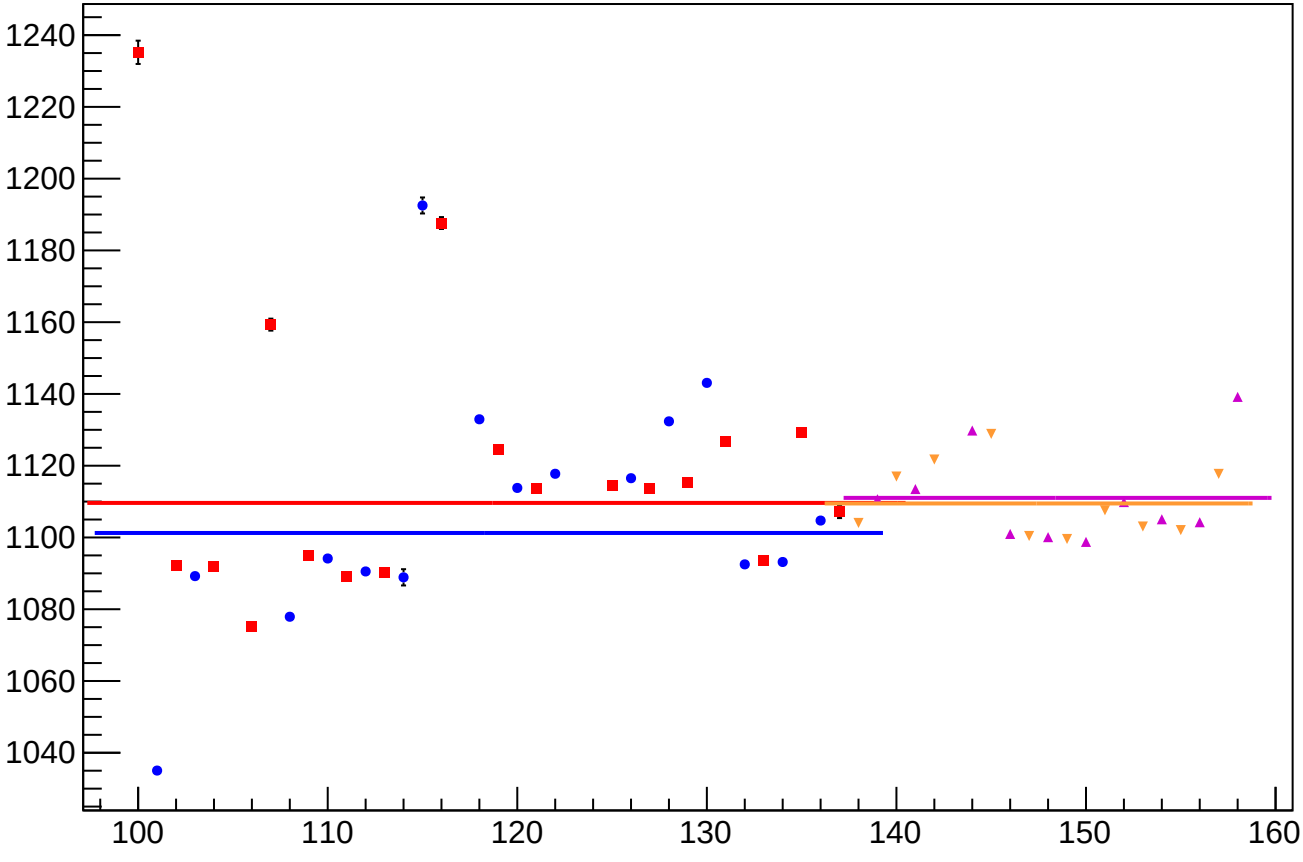
Left In: -1527.831+/-376.168 χ^2/NDF:14.8/9

+ sign 1646.538+/-284.318 χ^2/NDF: 11.8/25

All: -105.505+/-198.346 χ^2/NDF: 114.2/53

- sign -1766.579+/-276.838 χ^2/NDF: 28.5/27

overload_cor_asym_usl_rms vs Slug



Right In: 1101.254+/-0.289 χ^2/NDF: 11308.3/15

Left Out: 1109.476+/-0.280 χ^2/NDF:1173.1/9

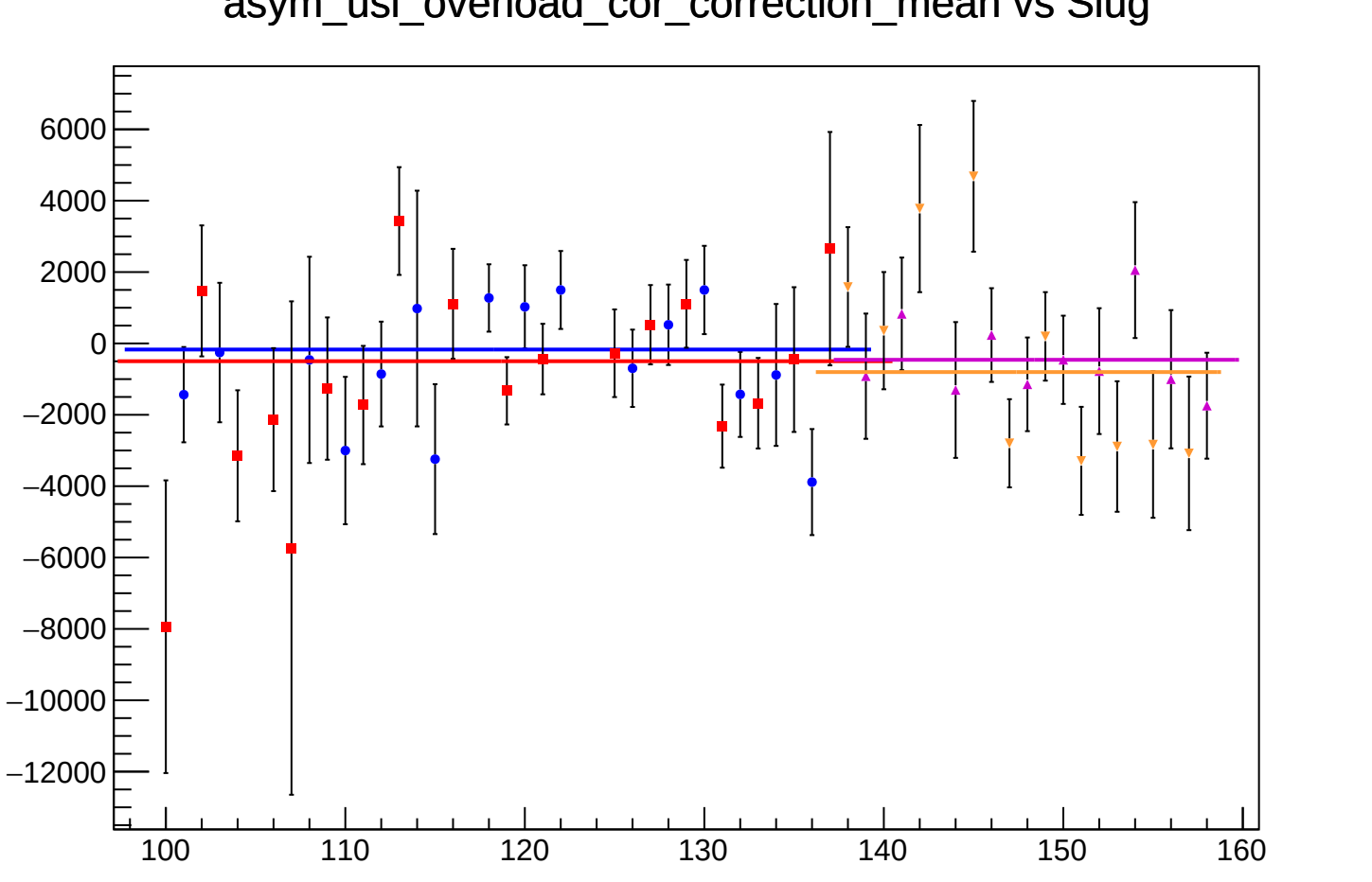
Right Out: 1109.629+/-0.289 χ^2/NDF: 7673.1/17

Left In: 1111.034+/-0.266 χ^2/NDF:2239.1/9

+ sign 1105.506+/-0.201 χ^2/NDF: 12898.9/25

All: 1108.013+/-0.140 χ^2/NDF: 23126.8/53

- sign 1110.390+/-0.196 χ^2/NDF: 9925.0/27



Right In: -170.930+/-345.980 χ^2/NDF: 20.9/15

Left Out: -802.300+/-525.124 χ^2/NDF:22.5/9

Right Out: -497.957+/-345.565 χ^2/NDF: 23.9/17

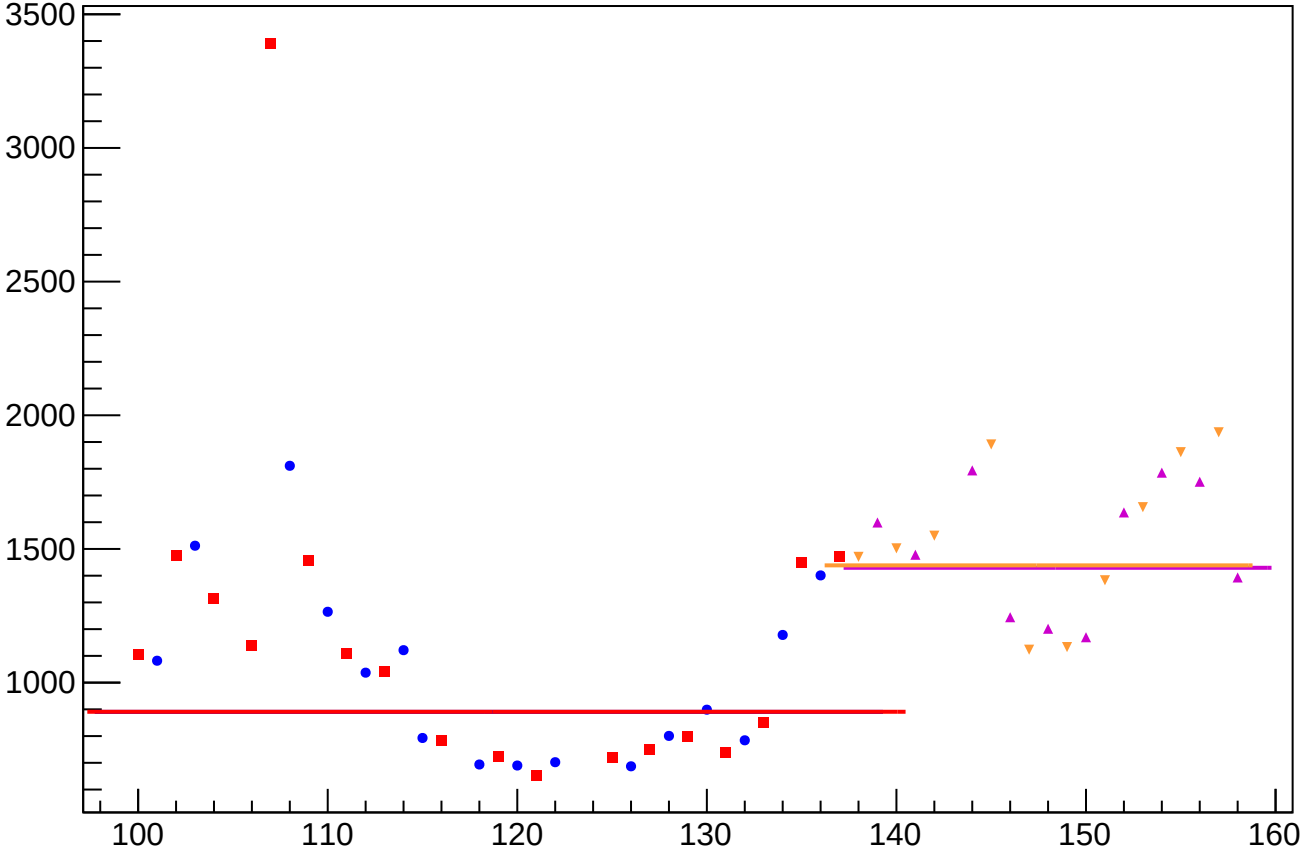
Left In: -458.750+/-491.840 χ^2/NDF:4.1/9

+ sign -362.042+/-288.910 χ^2/NDF: 44.4/25

All: -424.845+/-202.078 χ^2/NDF: 72.5/53

- sign -484.999+/-282.753 χ^2/NDF: 28.0/27

asym_usl_overload_cor_correction_rms vs Slug



Right In: 890.495+/-0.245 χ^2/NDF: 1128739.3/15

Left Out: 1438.576+/-0.371 χ^2/NDF:575086.9/9

Right Out: 890.938+/-0.244 χ^2/NDF: 1341804.2/17

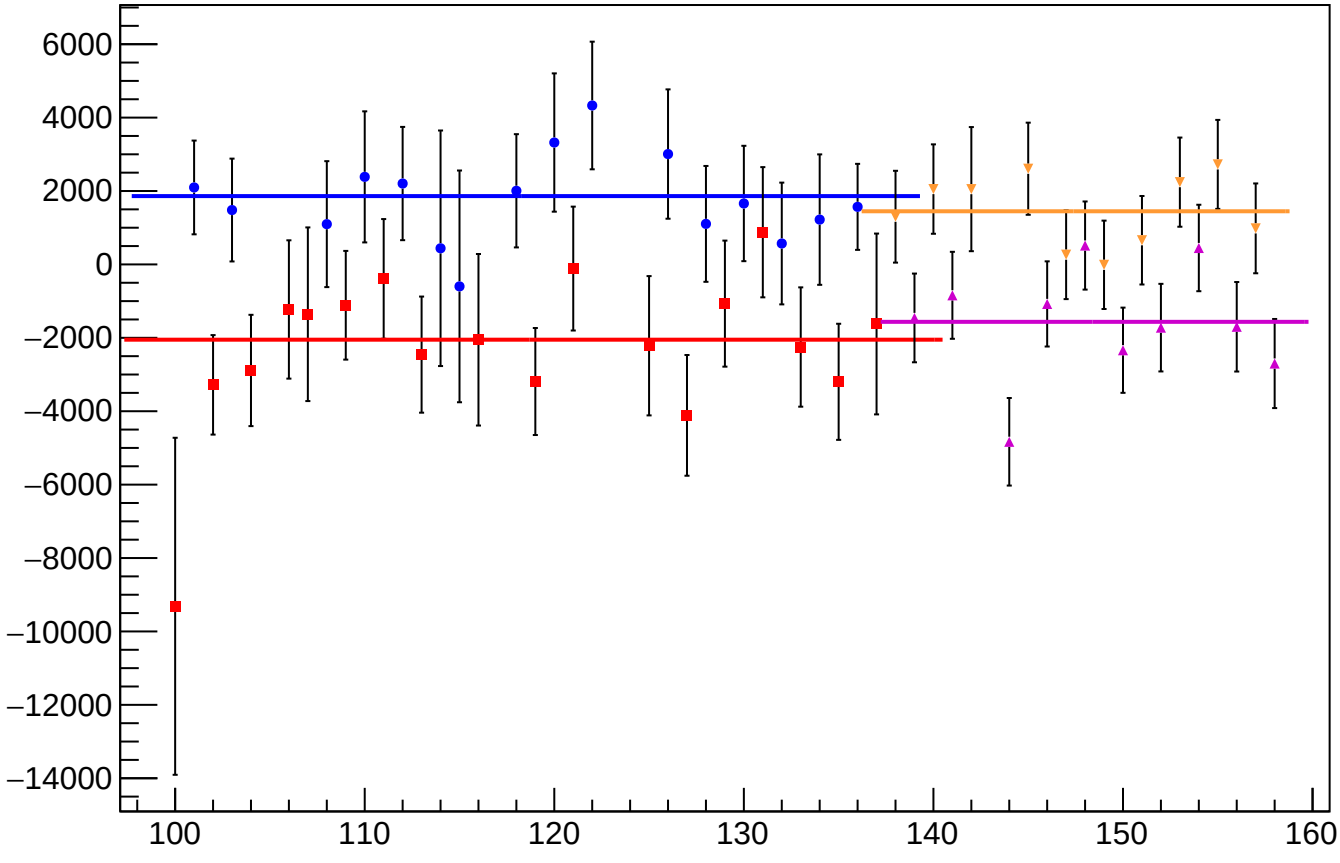
Left In: 1429.531+/-0.348 χ^2/NDF:435920.4/9

+ sign 1056.395+/-0.204 χ^2/NDF: 3223046.9/25

All: 1062.803+/-0.143 χ^2/NDF: 6608370.8/53

- sign 1068.941+/-0.200 χ^2/NDF: 3383397.6/27

eigen_cor_asym_usl_mean vs Slug



Right In: 1861.525+/-409.524 χ^2/NDF: 5.3/15

Left Out: 1447.939+/-395.787 χ^2/NDF:5.8/9

Right Out: -2050.842+/-409.249 χ^2/NDF: 12.5/17

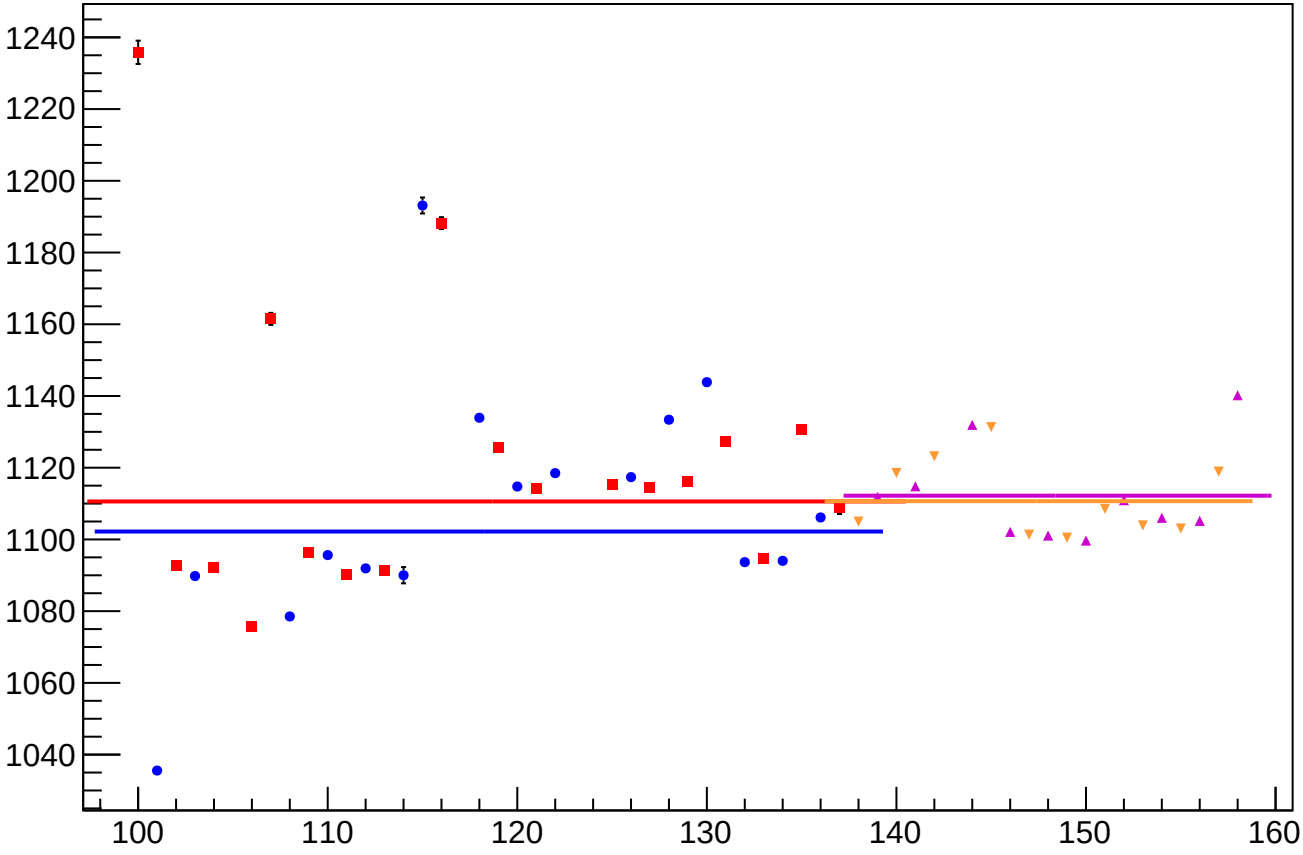
Left In: -1564.549+/-376.562 χ^2/NDF:15.3/9

+ sign 1647.679+/-284.596 χ^2/NDF: 11.6/25

All: -115.711+/-198.539 χ^2/NDF: 115.1/53

- sign -1787.502+/-277.106 χ^2/NDF: 28.6/27

eigen_cor_asym_usl_rms vs Slug



Right In: 1102.205+/-0.290 χ^2/NDF: 11348.9/15

Left Out: 1110.668+/-0.280 χ^2/NDF:1276.3/9

Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

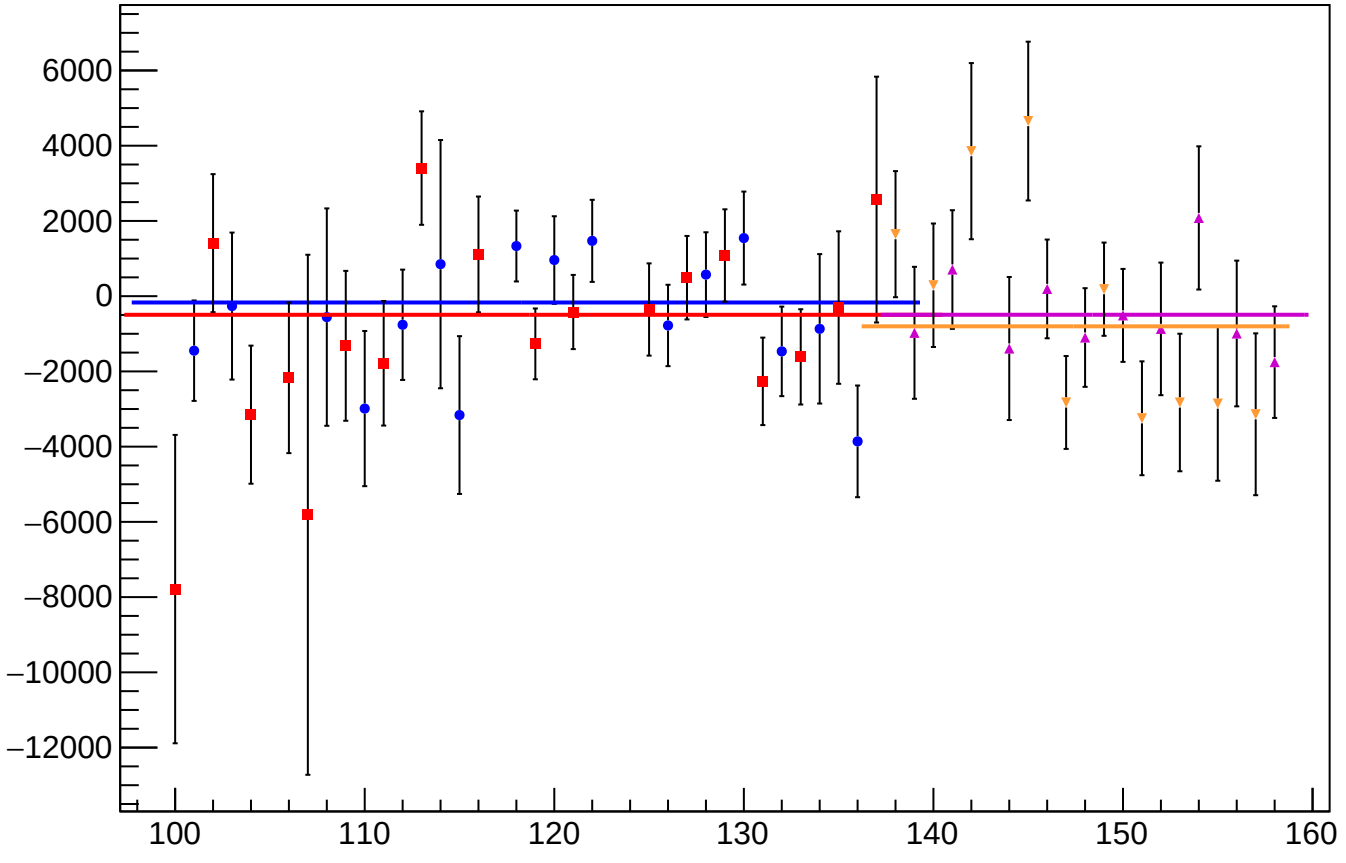
Left In: 1112.197+/-0.266 χ^2/NDF:2302.4/9

+ sign 1106.581+/-0.201 χ^2/NDF: 13066.8/25

All: 1109.086+/-0.140 χ^2/NDF: 23383.8/53

- sign 1111.461+/-0.196 χ^2/NDF: 10015.1/27

asym_usl_eigen_cor_correction_mean vs Slug



Right In: -167.891+/-345.441 χ^2/NDF: 21.0/15

Left Out: -801.886+/-524.791 χ^2/NDF:22.6/9

Right Out: -495.172+/-345.054 χ^2/NDF: 23.3/17

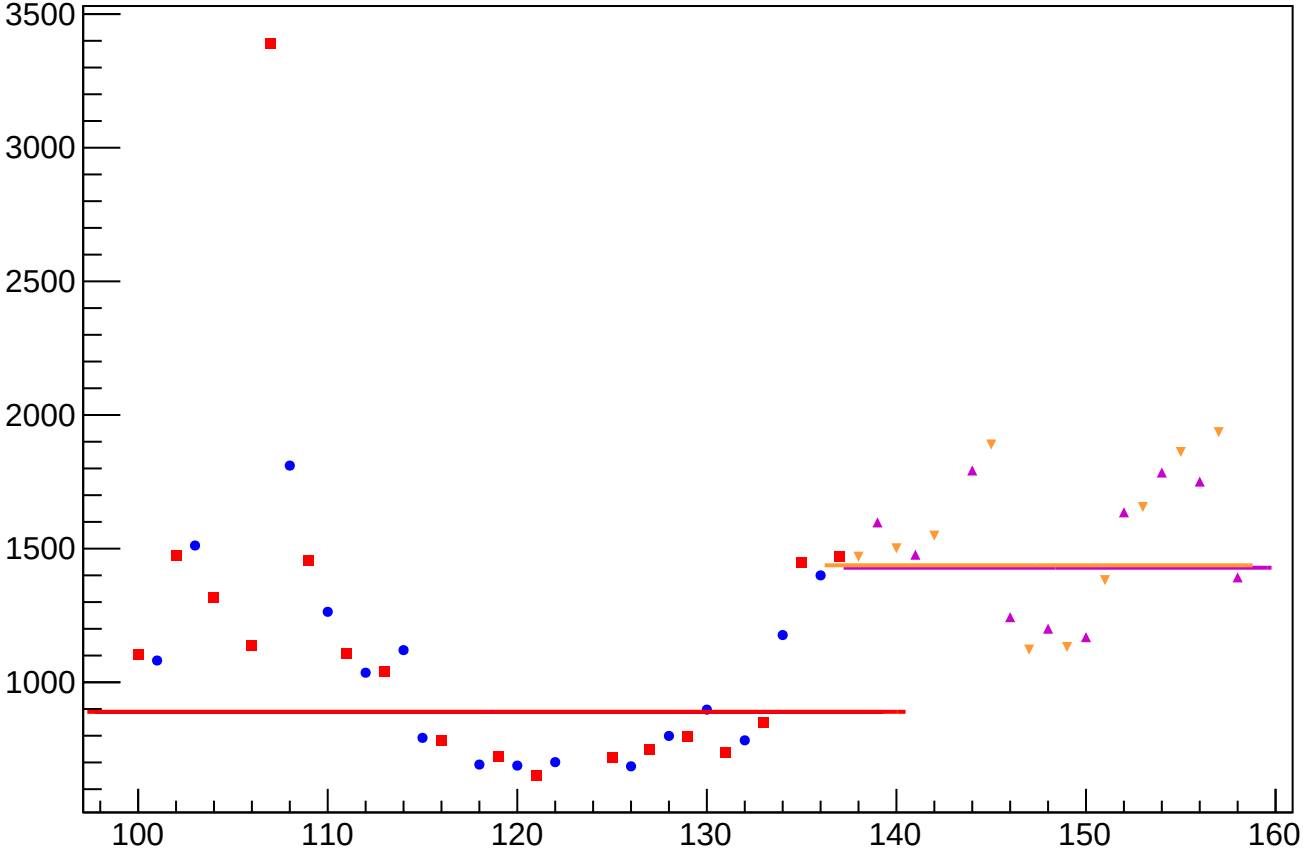
Left In: -494.149+/-491.530 χ^2/NDF:4.0/9

+ sign -359.549+/-288.541 χ^2/NDF: 44.6/25

All: -428.644+/-201.828 χ^2/NDF: 72.0/53

- sign -494.834+/-282.414 χ^2/NDF: 27.3/27

asym_usl_eigen_cor_correction_rms vs Slug



Right In: 888.956+/-0.244 χ^2/NDF: 1132766.3/15

Left Out: 1437.620+/-0.371 χ^2/NDF:575885.0/9

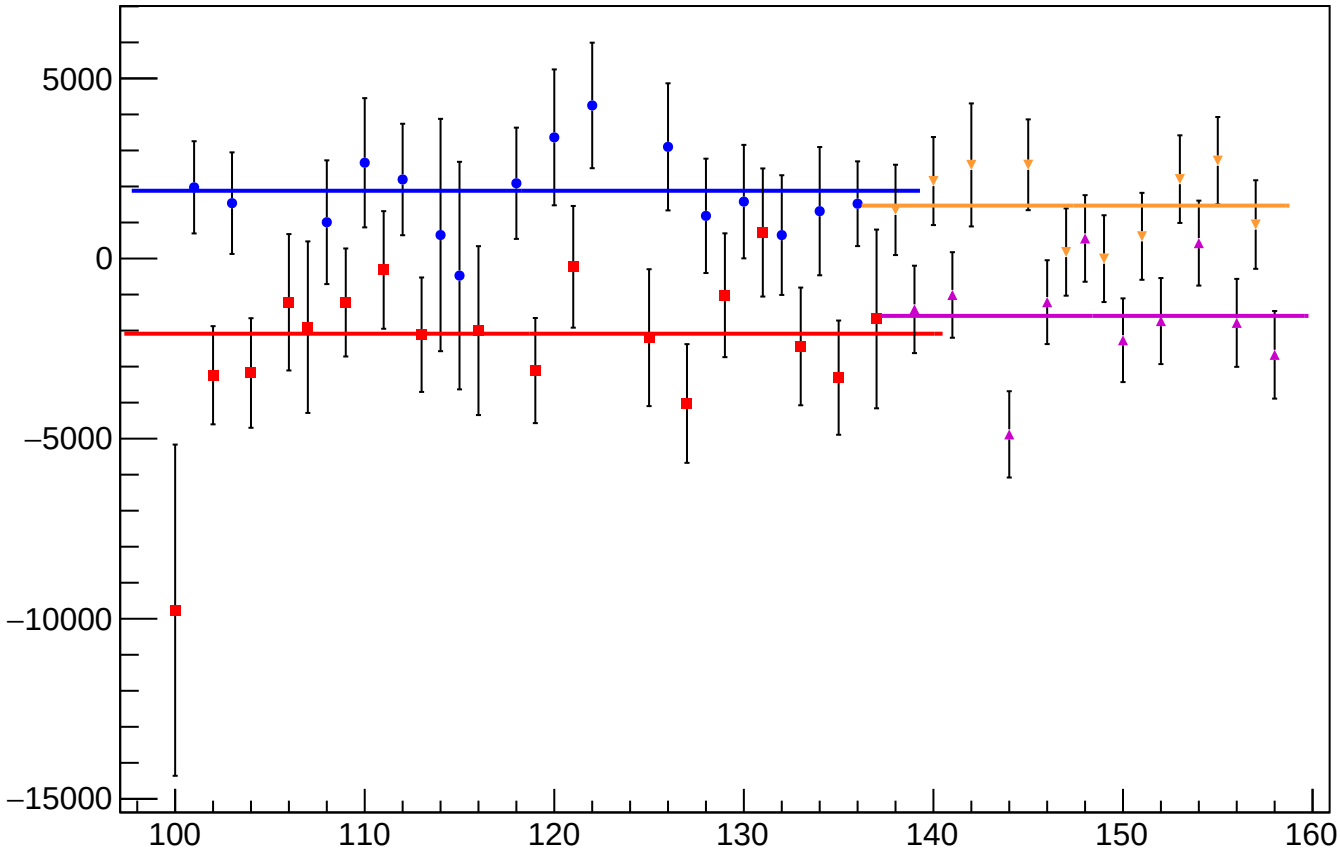
Right Out: 889.478+/-0.244 χ^2/NDF: 1345750.2/17

Left In: 1428.598+/-0.348 χ^2/NDF:436545.1/9

+ sign 1054.819+/-0.204 χ^2/NDF: 3233887.2/25

All: 1061.271+/-0.143 χ^2/NDF: 6629891.9/53

- sign 1067.452+/-0.200 χ^2/NDF: 3394046.5/27



Right In: 1881.524+/-410.700 χ^2/NDF: 5.2/15

Left Out: 1469.340+/-396.798 χ^2/NDF:6.3/9

Right Out: -2086.886+/-410.785 χ^2/NDF: 12.4/17

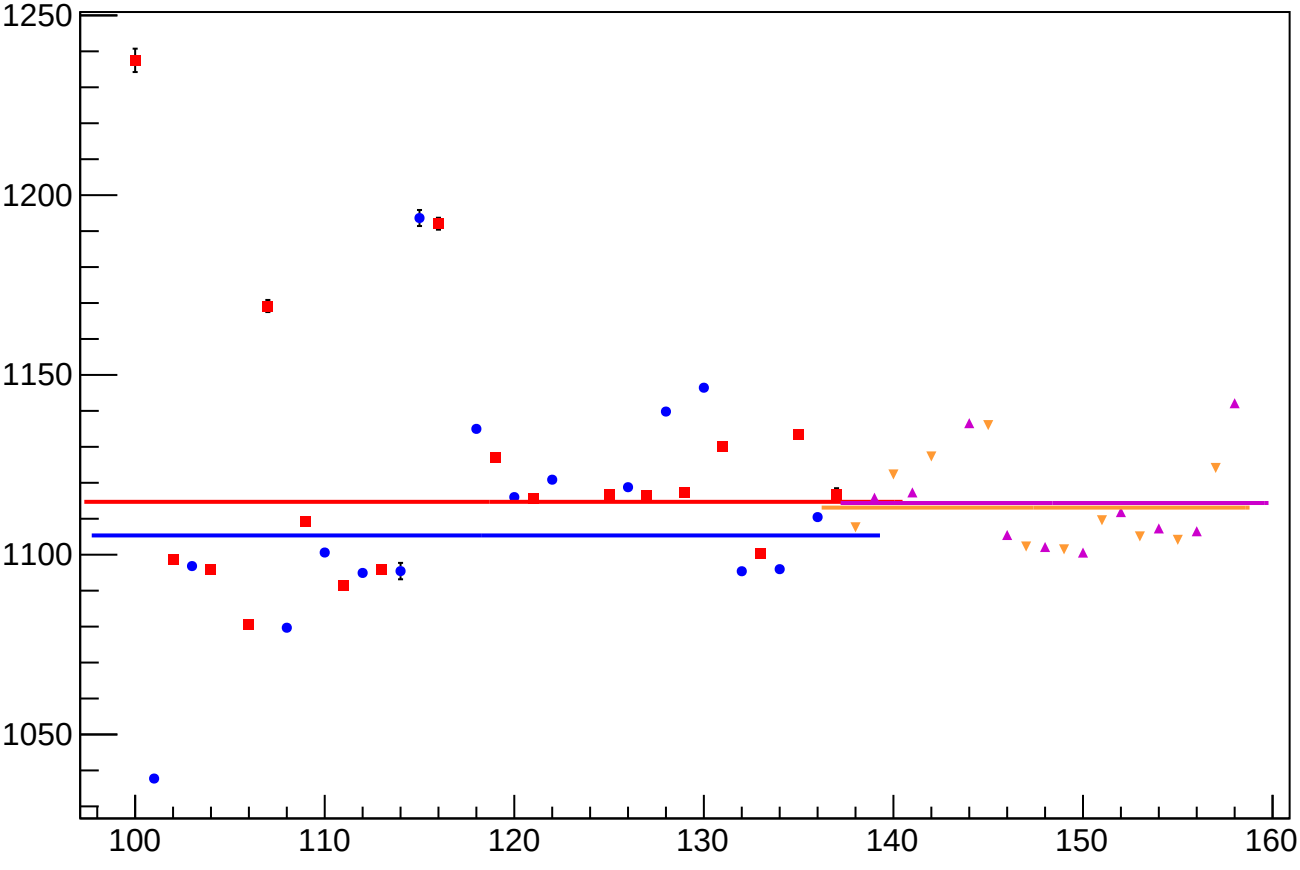
Left In: -1591.945+/-377.313 χ^2/NDF:15.2/9

+ sign 1668.338+/-285.367 χ^2/NDF: 12.0/25

All: -121.377+/-199.086 χ^2/NDF: 117.0/53

- sign -1818.432+/-277.881 χ^2/NDF: 28.4/27

dit_asym_usl_rms vs Slug



Right In: 1105.355+/-0.290 χ^2/NDF: 11330.9/15

Left Out: 1113.096+/-0.281 χ^2/NDF:1672.3/9

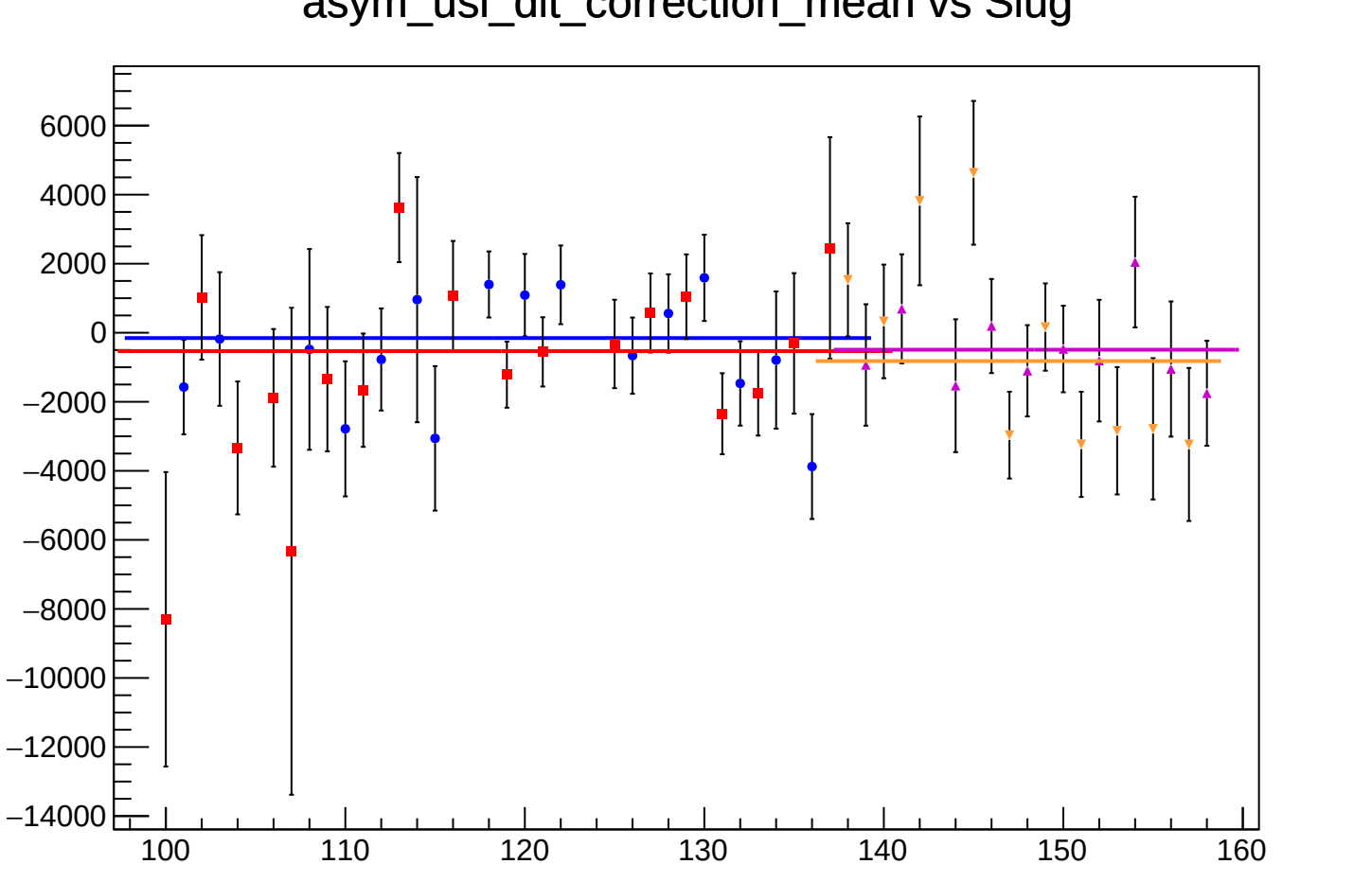
Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.3/17

Left In: 1114.377+/-0.267 χ^2/NDF:2514.4/9

+ sign 1109.359+/-0.202 χ^2/NDF: 13370.7/25

All: 1112.012+/-0.141 χ^2/NDF: 23552.8/53

- sign 1114.527+/-0.196 χ^2/NDF: 9845.3/27



Right In: -153.999+/-351.318 χ^2/NDF: 20.5/15

Left Out: -820.059+/-529.621 χ^2/NDF:22.3/9

Right Out: -532.155+/-350.407 χ^2/NDF: 23.2/17

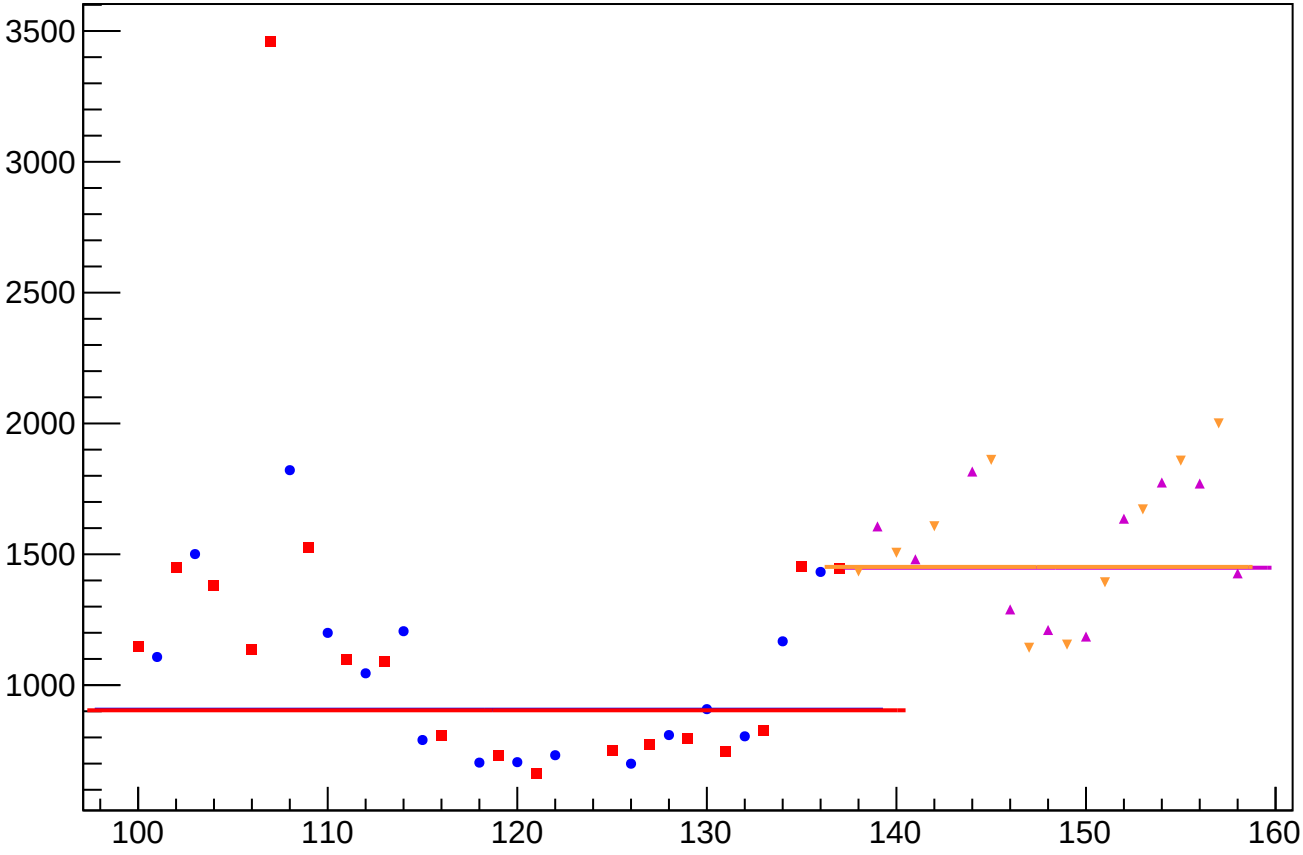
Left In: -492.004+/-497.737 χ^2/NDF:4.0/9

+ sign -357.523+/-292.763 χ^2/NDF: 43.9/25

All: -439.923+/-204.774 χ^2/NDF: 71.3/53

- sign -518.850+/-286.525 χ^2/NDF: 27.2/27

asym_usl_dit_correction_rms vs Slug



Right In: 906.036+/-0.248 χ^2/NDF: 1079435.1/15

Left Out: 1451.821+/-0.374 χ^2/NDF:551658.3/9

Right Out: 903.753+/-0.248 χ^2/NDF: 1339982.2/17

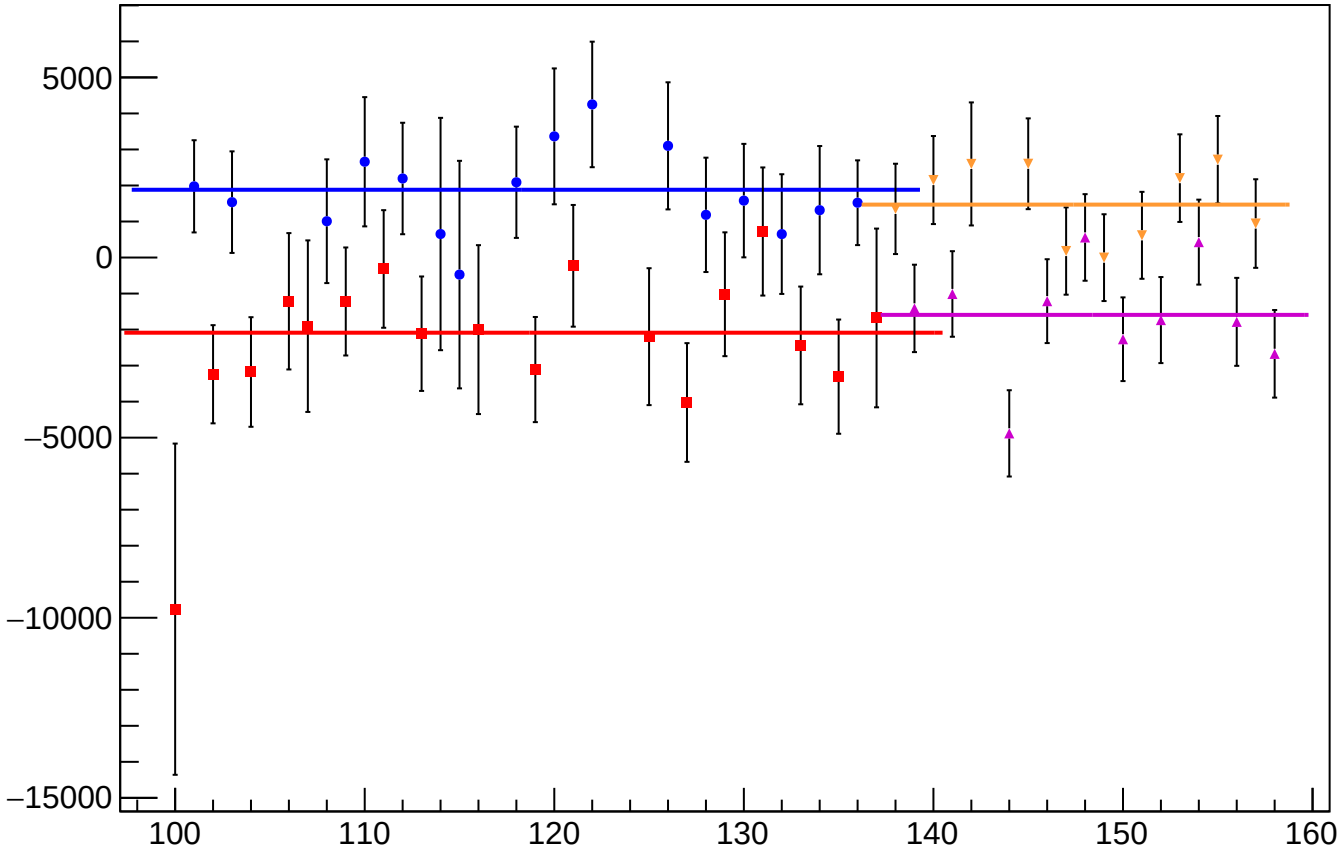
Left In: 1448.649+/-0.352 χ^2/NDF:406573.1/9

+ sign 1072.808+/-0.207 χ^2/NDF: 3106035.8/25

All: 1078.688+/-0.145 χ^2/NDF: 6456810.0/53

- sign 1084.320+/-0.203 χ^2/NDF: 3349194.6/27

eigen_dit_asym_usl_mean vs Slug



Right In: 1881.523+/-410.700 χ^2/NDF: 5.2/15

Left Out: 1469.335+/-396.798 χ^2/NDF:6.3/9

Right Out: -2086.884+/-410.785 χ^2/NDF: 12.4/17

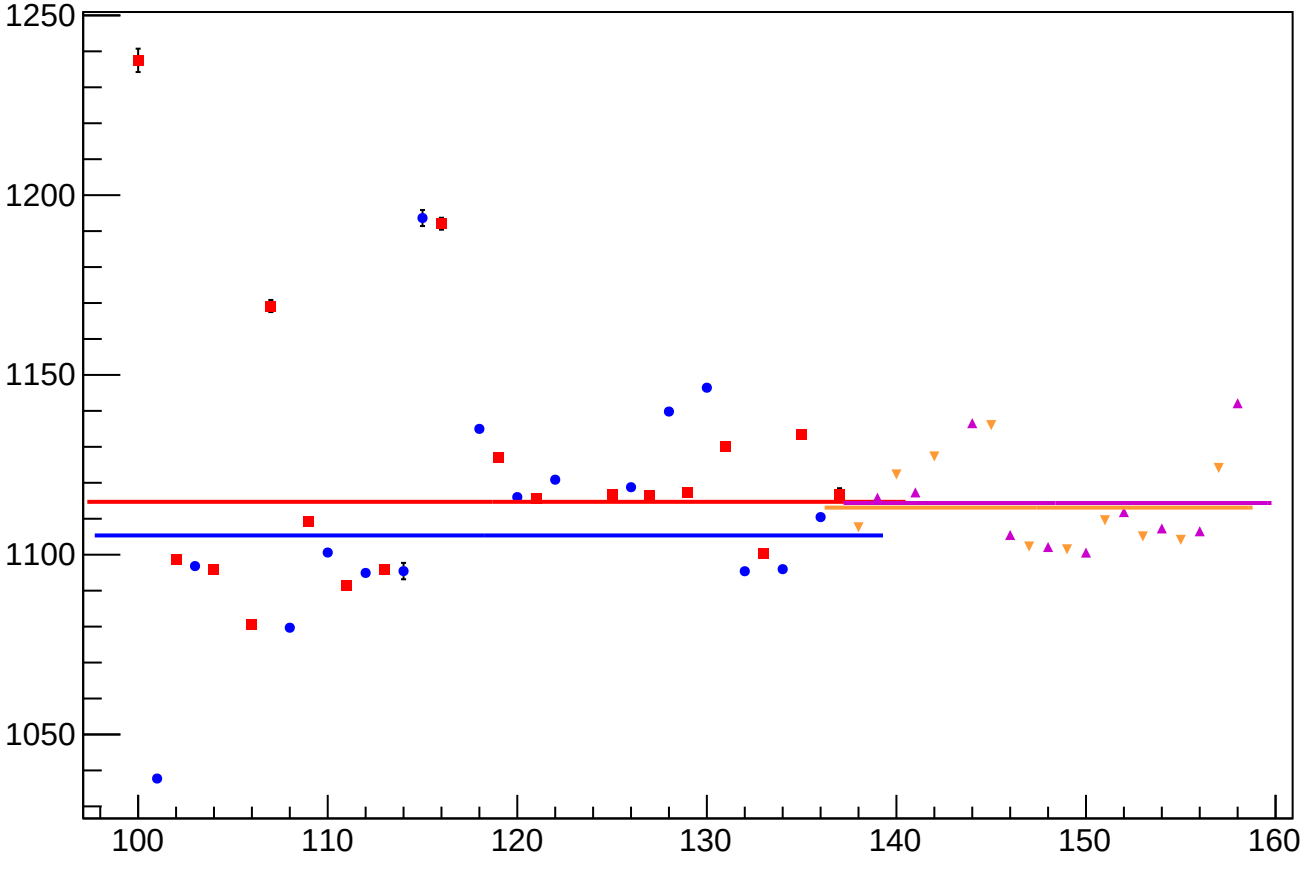
Left In: -1591.947+/-377.313 χ^2/NDF:15.2/9

+ sign 1668.335+/-285.367 χ^2/NDF: 12.0/25

All: -121.379+/-199.086 χ^2/NDF: 117.0/53

- sign -1818.432+/-277.881 χ^2/NDF: 28.4/27

eigen_dit_asym_usl_rms vs Slug



Right In: 1105.355+/-0.290 χ^2/NDF: 11330.9/15

Left Out: 1113.096+/-0.281 χ^2/NDF:1672.3/9

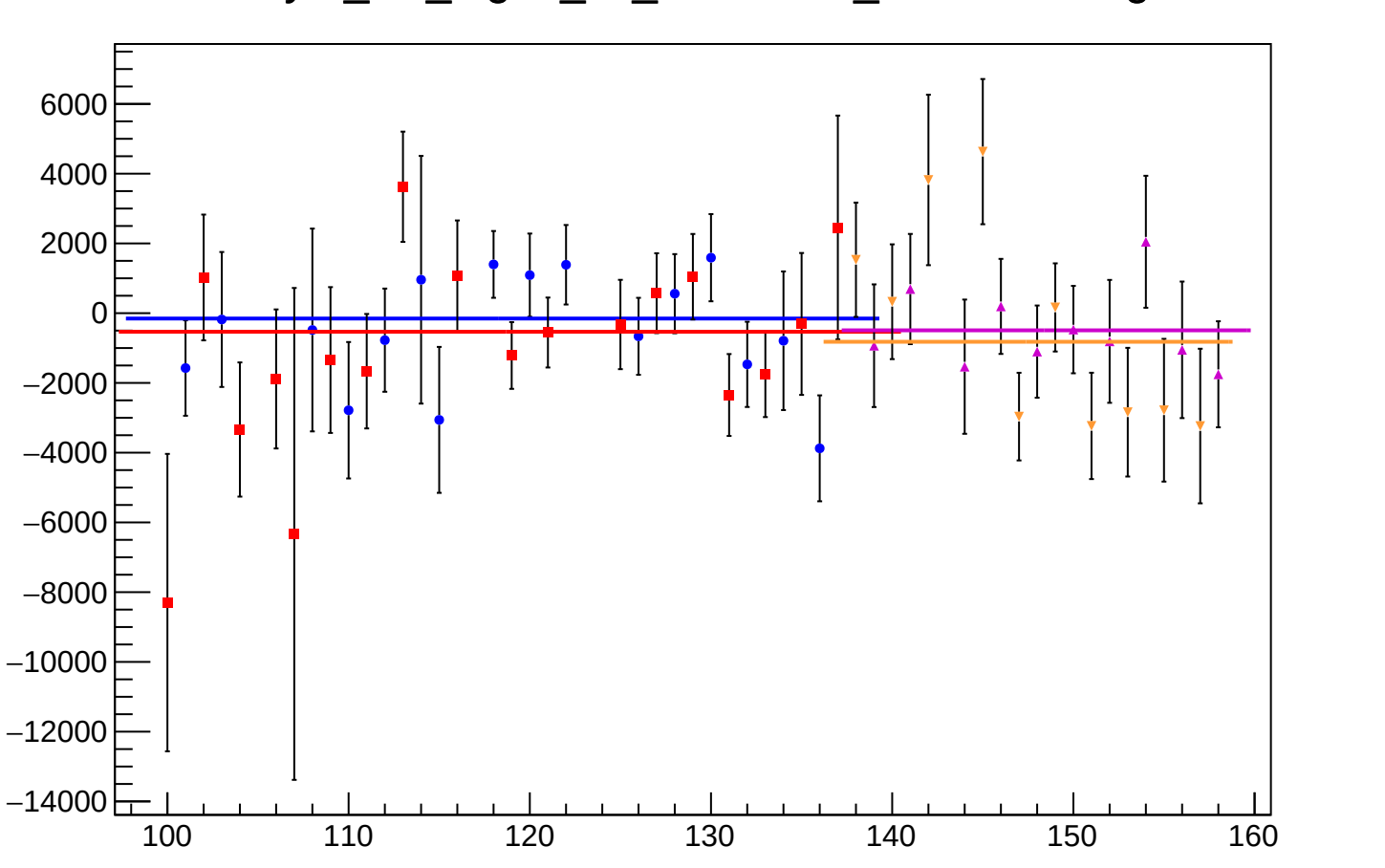
Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.2/17

Left In: 1114.377+/-0.267 χ^2/NDF:2514.4/9

+ sign 1109.359+/-0.202 χ^2/NDF: 13370.7/25

All: 1112.012+/-0.141 χ^2/NDF: 23552.7/53

- sign 1114.527+/-0.196 χ^2/NDF: 9845.3/27



Right In: -153.998+/-351.317 χ^2/NDF: 20.5/15

Left Out: -820.064+/-529.622 χ^2/NDF:22.3/9

Right Out: -532.154+/-350.406 χ^2/NDF: 23.2/17

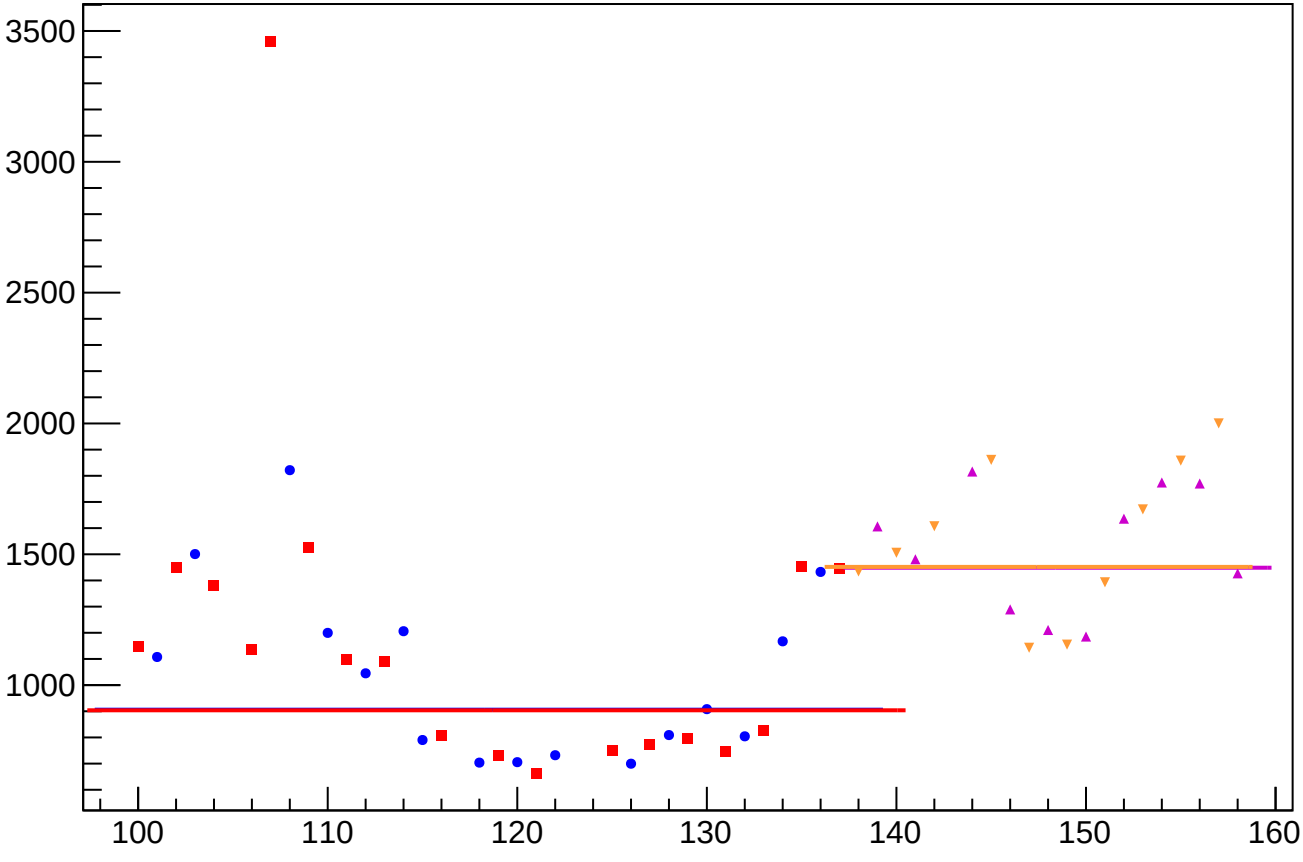
Left In: -492.006+/-497.738 χ^2/NDF:4.0/9

+ sign -357.522+/-292.763 χ^2/NDF: 43.9/25

All: -439.923+/-204.774 χ^2/NDF: 71.3/53

- sign -518.850+/-286.525 χ^2/NDF: 27.2/27

asym_usl_eigen_dit_correction_rms vs Slug



Right In: 906.034+/-0.248 χ^2/NDF: 1079440.1/15

Left Out: 1451.823+/-0.374 χ^2/NDF:551655.8/9

Right Out: 903.751+/-0.248 χ^2/NDF: 1339985.4/17

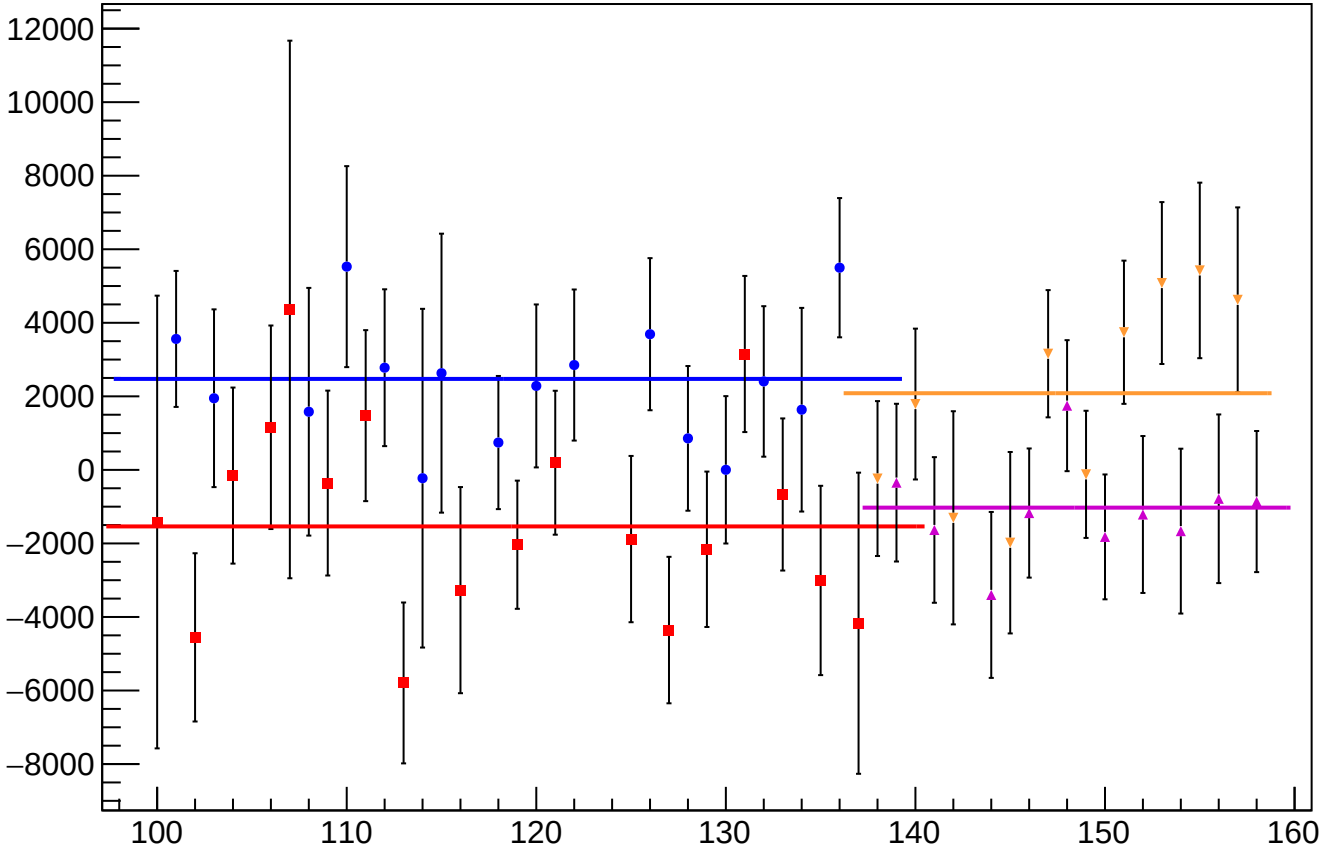
Left In: 1448.651+/-0.352 χ^2/NDF:406570.2/9

+ sign 1072.806+/-0.207 χ^2/NDF: 3106059.9/25

All: 1078.686+/-0.145 χ^2/NDF: 6456858.3/53

- sign 1084.319+/-0.203 χ^2/NDF: 3349218.8/27

asym_usl_mean vs Slug



Right In: 2474.066+/-562.796 χ^2/NDF: 8.2/15

Left Out: 2084.880+/-671.329 χ^2/NDF:12.9/9

Right Out: -1537.435+/-563.556 χ^2/NDF: 18.5/17

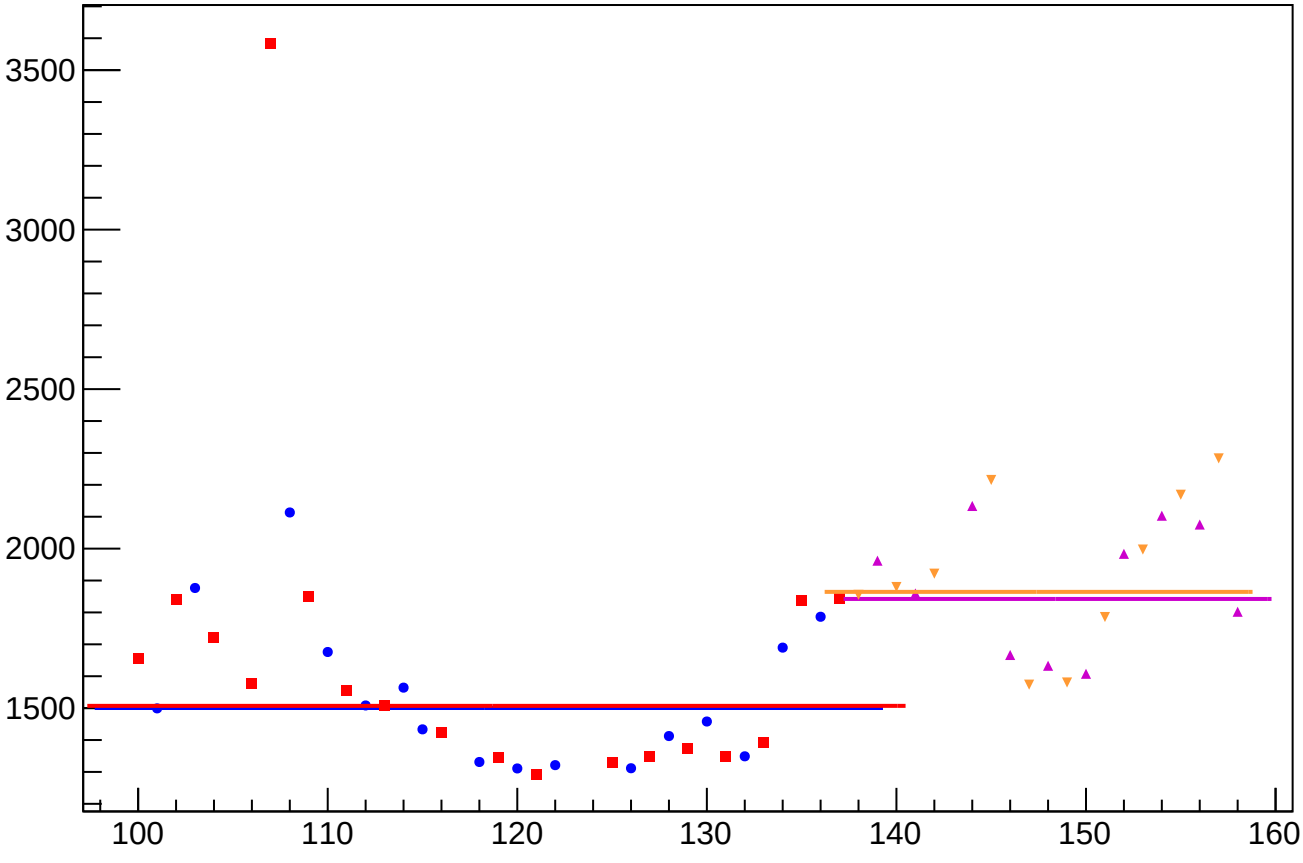
Left In: -1026.763+/-628.004 χ^2/NDF:4.1/9

+ sign 2313.436+/-431.290 χ^2/NDF: 21.3/25

All: 451.420+/-300.689 χ^2/NDF: 80.5/53

- sign -1309.639+/-419.435 χ^2/NDF: 22.9/27

asym_usl_rms vs Slug



Right In: 1500.377+/-0.398 χ^2/NDF: 258792.8/15

Left Out: 1864.445+/-0.475 χ^2/NDF:250378.5/9

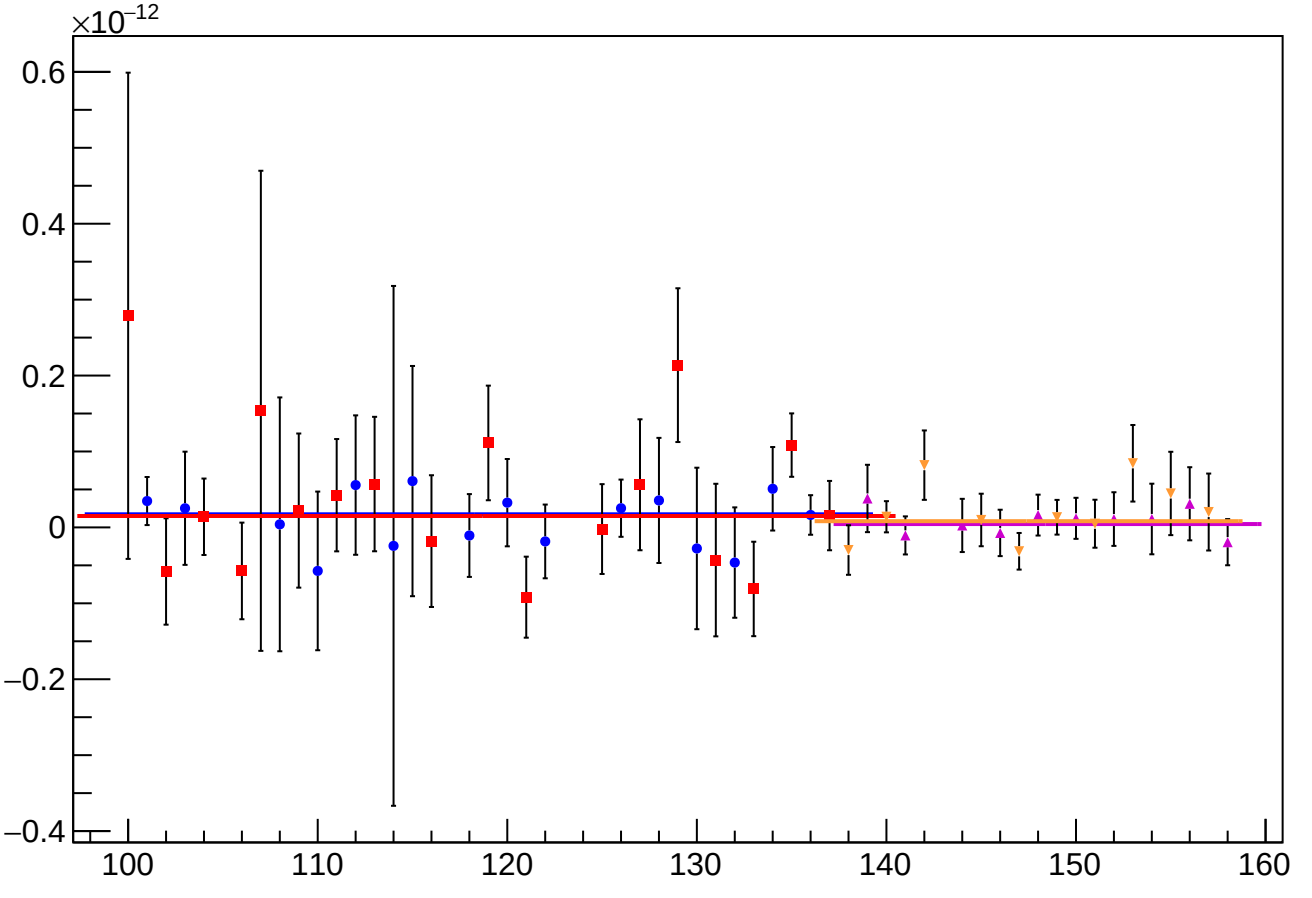
Right Out: 1507.098+/-0.398 χ^2/NDF: 401227.7/17

Left In: 1842.226+/-0.444 χ^2/NDF:183069.5/9

+ sign 1650.639+/-0.305 χ^2/NDF: 854601.3/25

All: 1653.697+/-0.213 χ^2/NDF: 1754581.4/53

- sign 1656.589+/-0.297 χ^2/NDF: 899784.6/27



Right In: 0.000+/-0.000 χ^2/NDF: 3.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.6/9

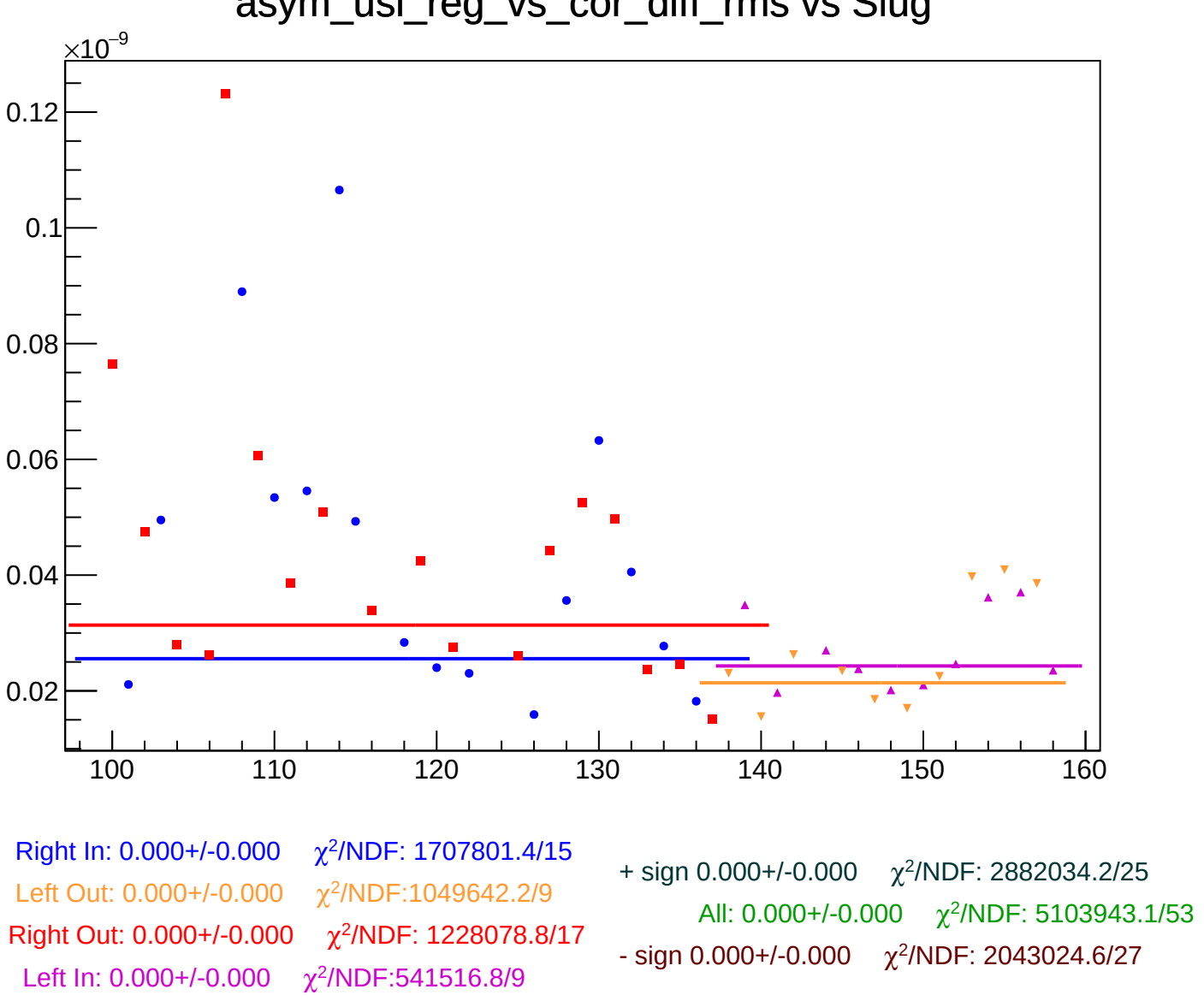
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/17

Left In: 0.000+/-0.000 χ^2/NDF:2.3/9

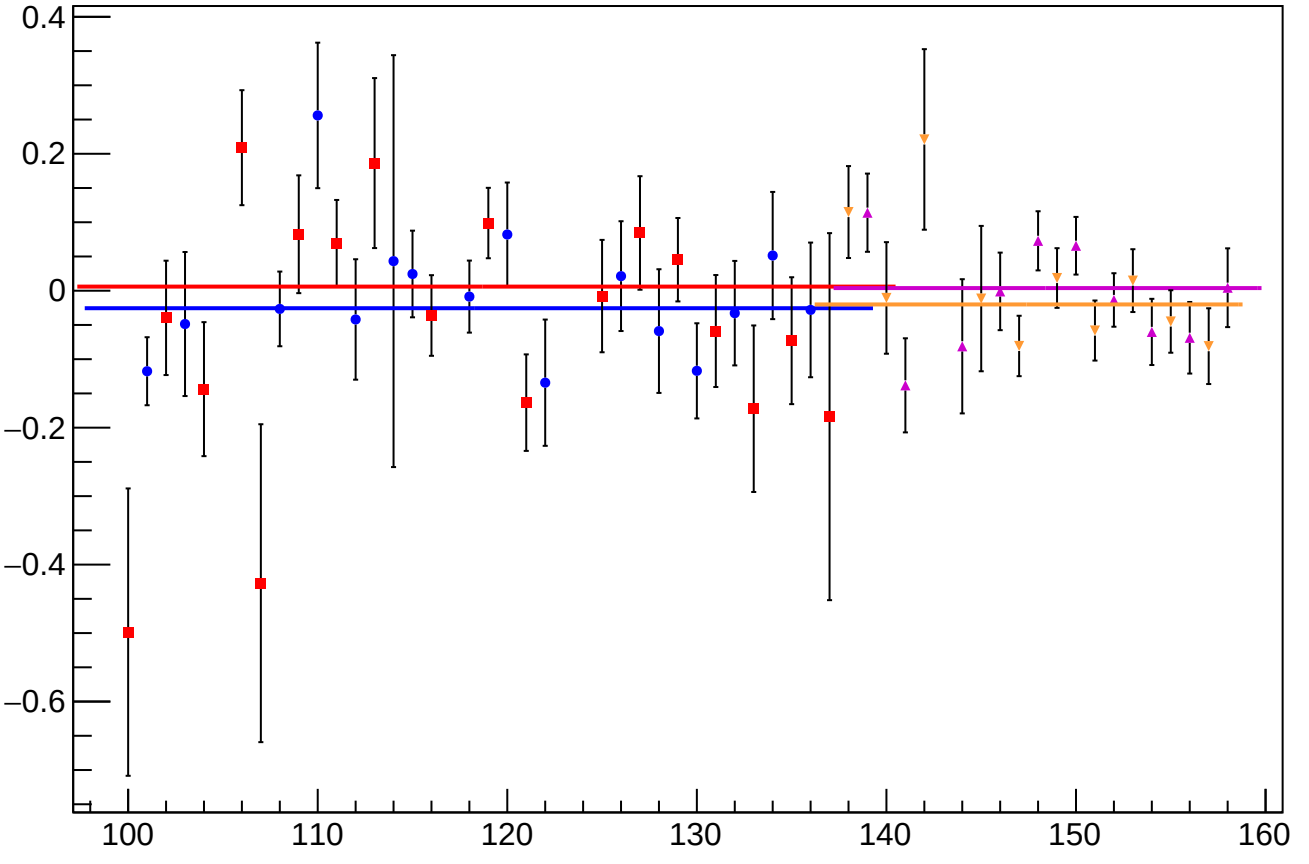
+ sign 0.000+/-0.000 χ^2/NDF: 13.3/25

All: 0.000+/-0.000 χ^2/NDF: 37.3/53

- sign 0.000+/-0.000 χ^2/NDF: 23.9/27


asym_usl_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1707801.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1049642.2/9
Right Out: 0.000+/-0.000 χ²/NDF: 1228078.8/17
Left In: 0.000+/-0.000 χ²/NDF:541516.8/9
+ sign 0.000+/-0.000 χ²/NDF: 2882034.2/25
All: 0.000+/-0.000 χ²/NDF: 5103943.1/53
- sign 0.000+/-0.000 χ²/NDF: 2043024.6/27

asym_usl_dit_vs_cor_diff_mean vs Slug



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.020+/-0.017 χ^2/NDF:12.9/9

Right Out: 0.006+/-0.019 χ^2/NDF: 36.5/17

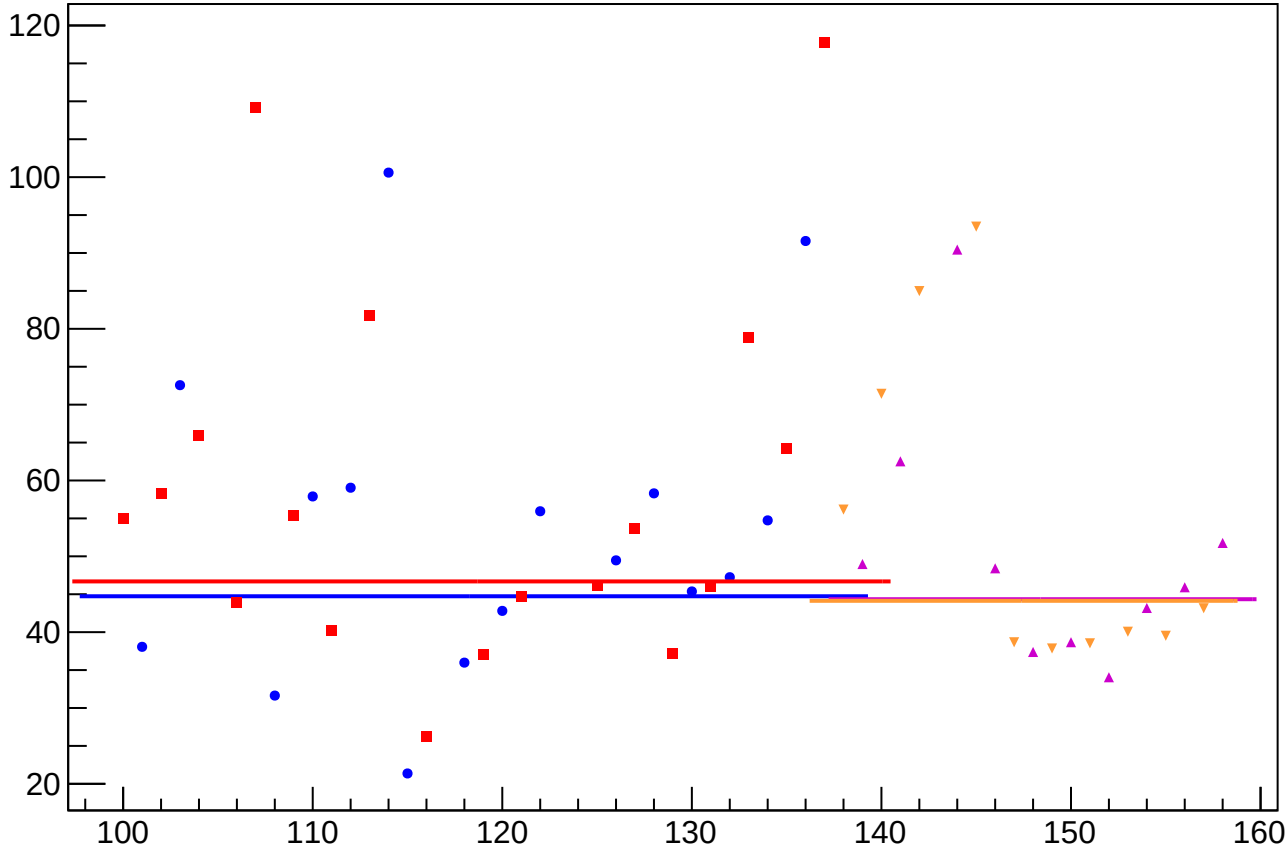
Left In: 0.004+/-0.016 χ^2/NDF:17.3/9

+ sign -0.023+/-0.013 χ^2/NDF: 30.6/25

All: -0.009+/-0.009 χ^2/NDF: 86.8/53

- sign 0.005+/-0.012 χ^2/NDF: 53.9/27

asym_usl_dit_vs_cor_diff_rms vs Slug



Right In: 44.733+/-0.013 χ^2/NDF: 1334541.9/15

Left Out: 44.134+/-0.012 χ^2/NDF:1054605.0/9

Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

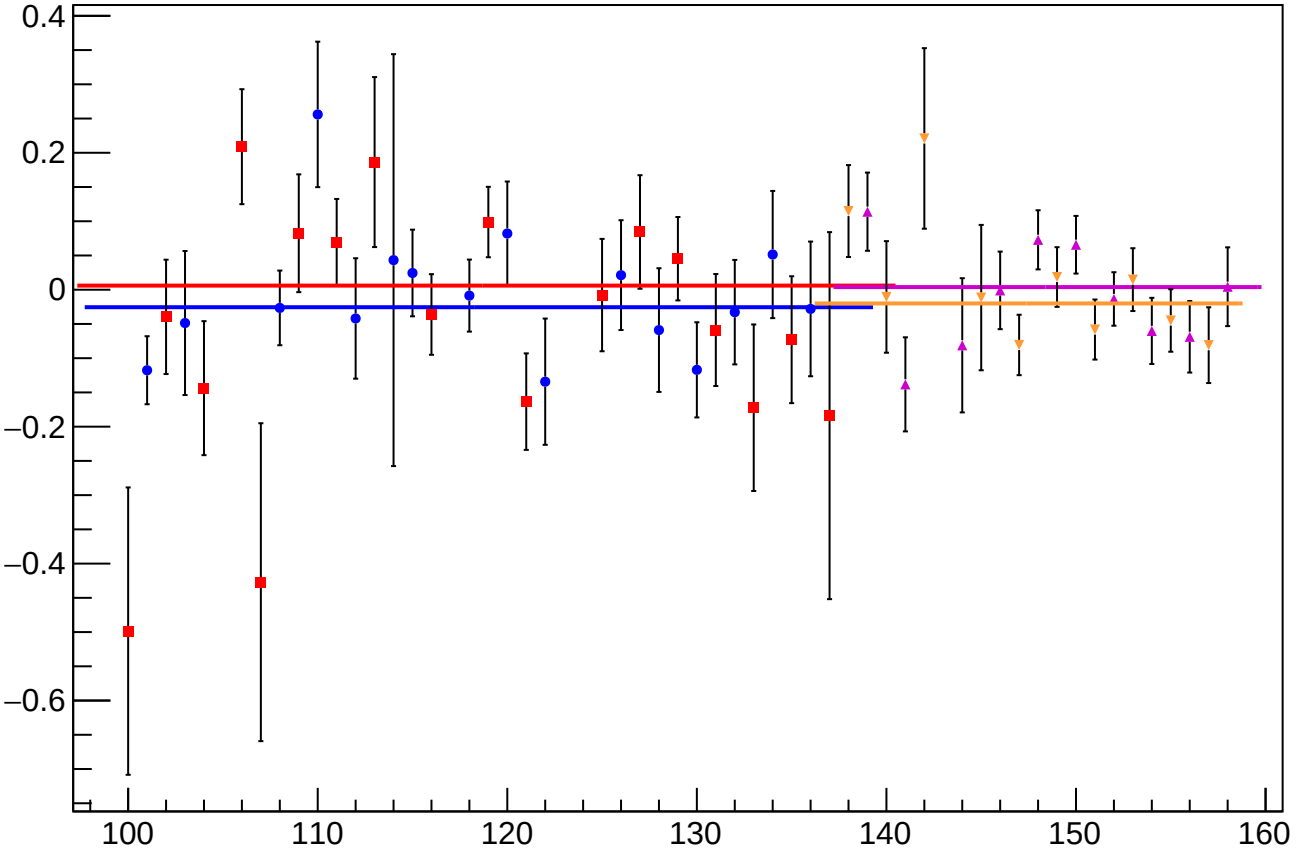
Left In: 44.344+/-0.011 χ^2/NDF:869429.0/9

\+ sign 44.408+/-0.009 χ^2/NDF: 2390251.2/25

All: 44.869+/-0.006 χ^2/NDF: 4477508.2/53

\- sign 45.312+/-0.009 χ^2/NDF: 2082093.1/27

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.020+/-0.017 χ^2/NDF:12.9/9

Right Out: 0.006+/-0.019 χ^2/NDF: 36.5/17

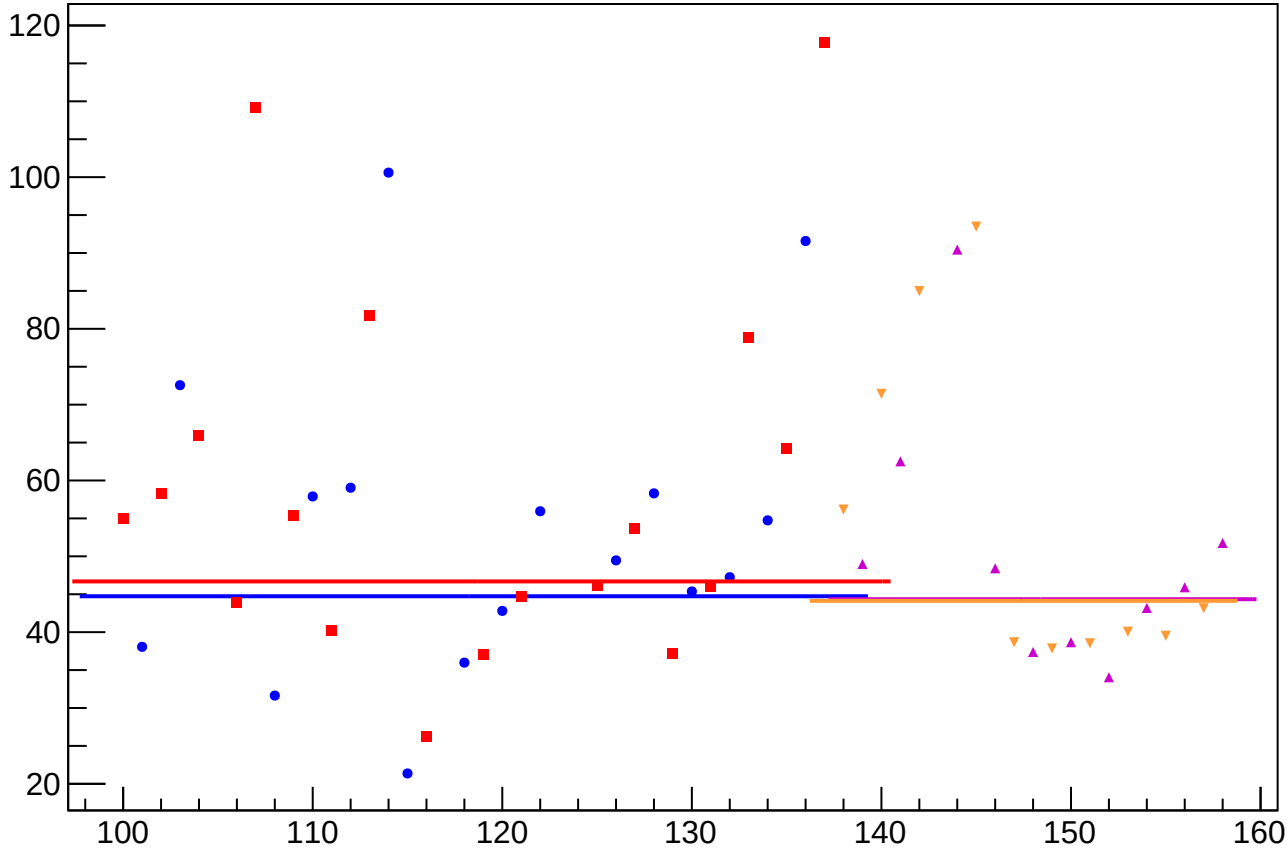
Left In: 0.004+/-0.016 χ^2/NDF:17.3/9

+ sign -0.023+/-0.013 χ^2/NDF: 30.6/25

All: -0.009+/-0.009 χ^2/NDF: 86.8/53

- sign 0.005+/-0.012 χ^2/NDF: 53.9/27

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 44.733+/-0.013 χ^2/NDF: 1334541.9/15

Left Out: 44.134+/-0.012 χ^2/NDF:1054605.0/9

Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

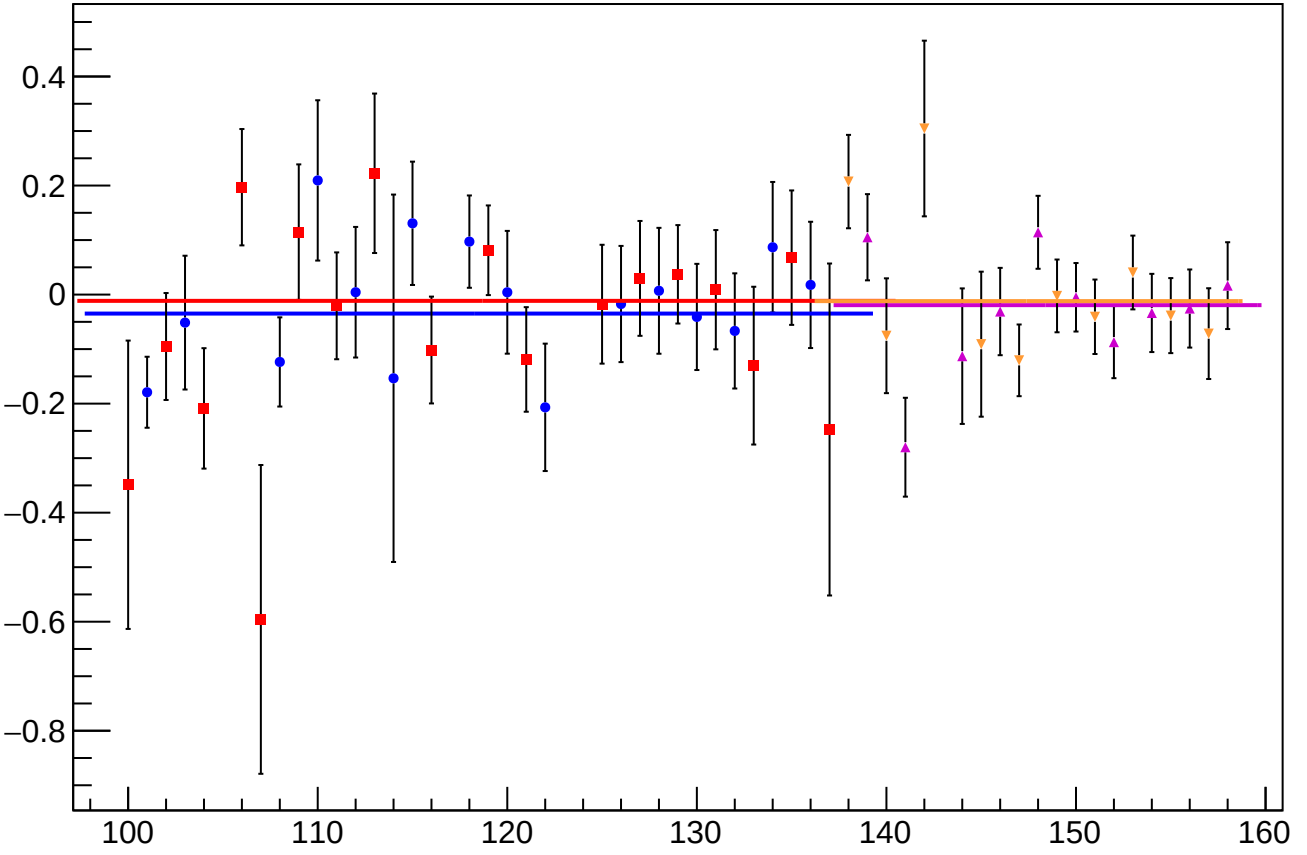
Left In: 44.344+/-0.011 χ^2/NDF:869429.0/9

+ sign 44.408+/-0.009 χ^2/NDF: 2390251.2/25

All: 44.869+/-0.006 χ^2/NDF: 4477508.2/53

- sign 45.312+/-0.009 χ^2/NDF: 2082093.1/27

asym_usl_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/15

Left Out: -0.012+/-0.025 χ^2/NDF:15.3/9

Right Out: -0.012+/-0.027 χ^2/NDF: 22.8/17

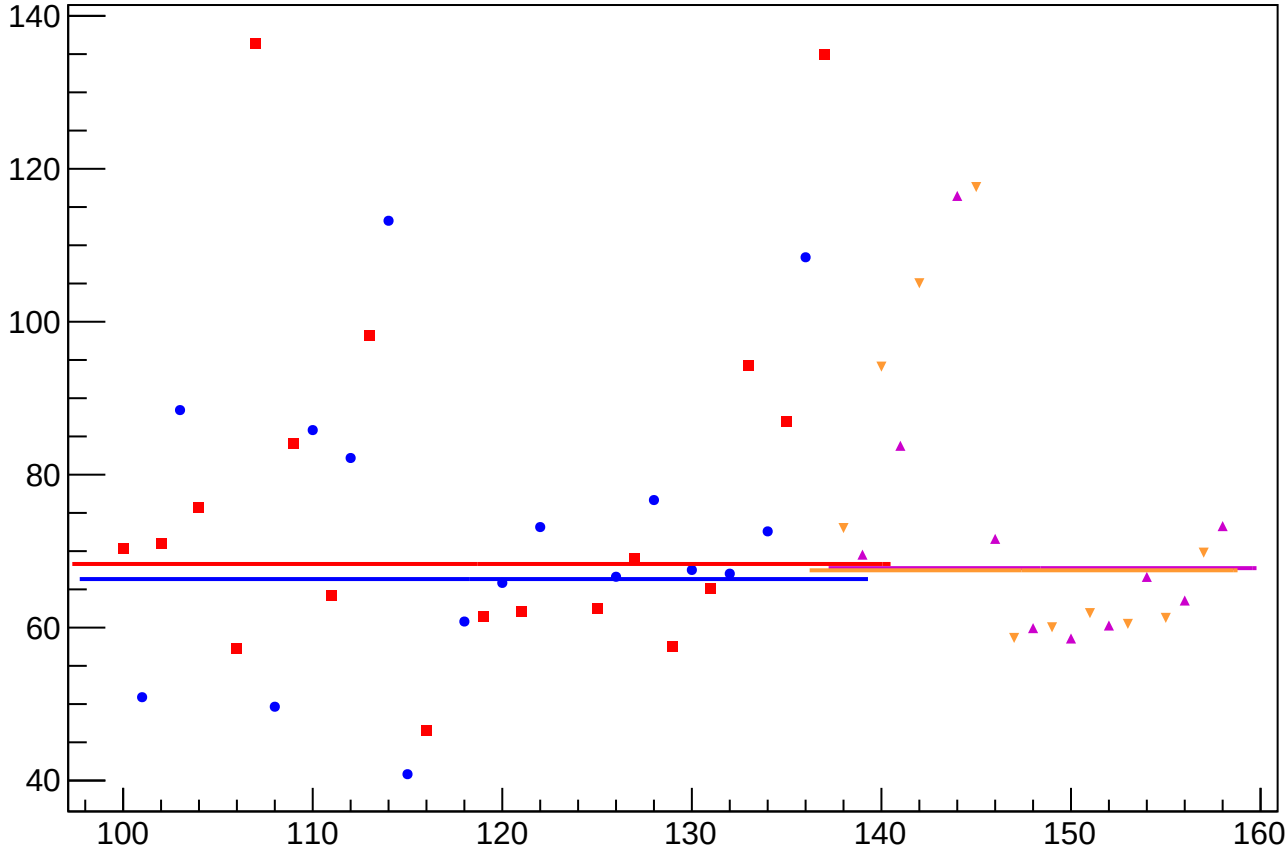
Left In: -0.019+/-0.024 χ^2/NDF:16.7/9

+ sign -0.023+/-0.018 χ^2/NDF: 33.2/25

All: -0.019+/-0.013 χ^2/NDF: 72.7/53

- sign -0.016+/-0.018 χ^2/NDF: 39.5/27

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



Right In: 66.348+/-0.019 χ^2/NDF: 772653.3/15

Left Out: 67.495+/-0.018 χ^2/NDF:642834.1/9

Right Out: 68.322+/-0.019 χ^2/NDF: 629670.0/17

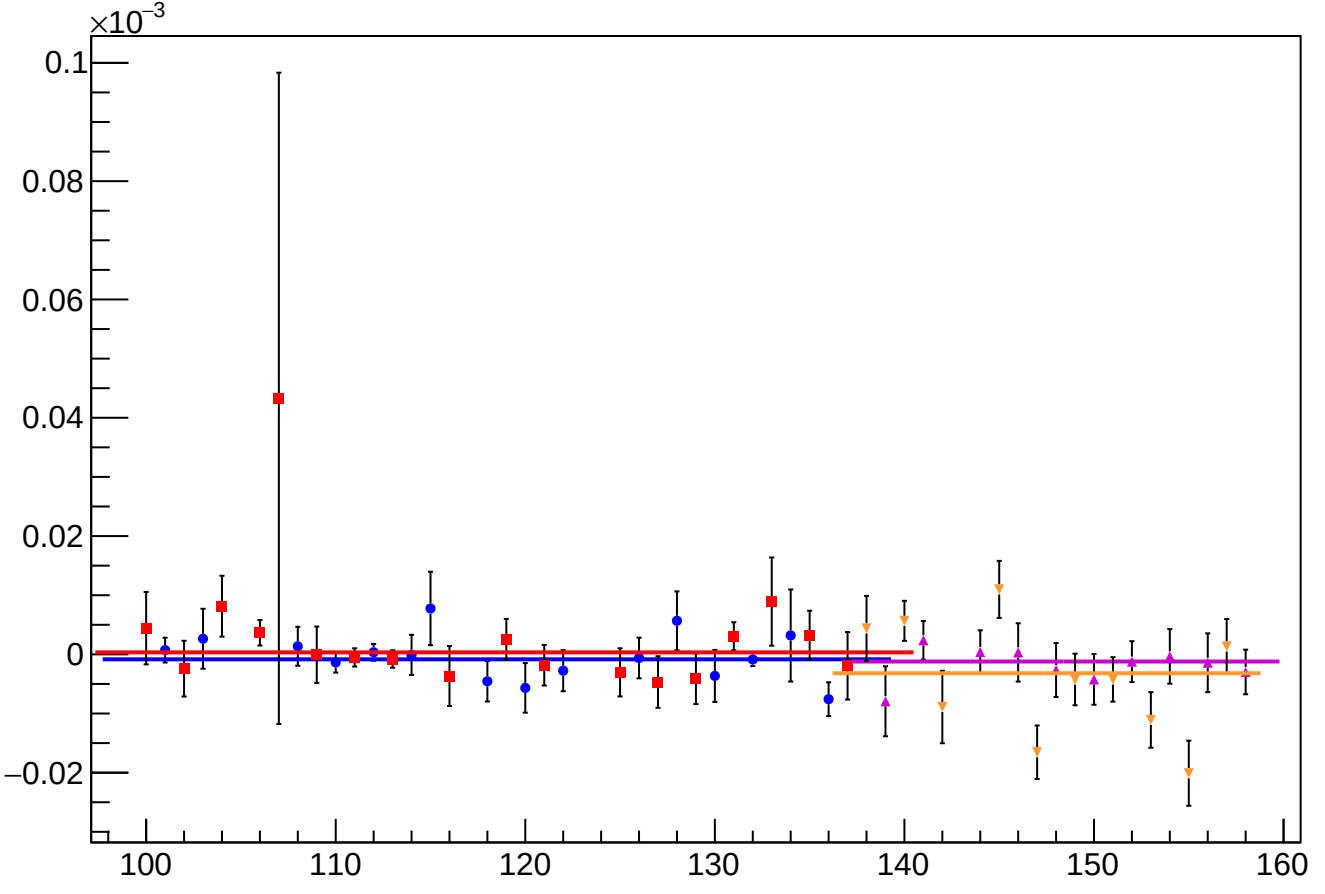
Left In: 67.777+/-0.017 χ^2/NDF:487733.1/9

+ sign 66.944+/-0.013 χ^2/NDF: 1417465.9/25

All: 67.491+/-0.009 χ^2/NDF: 2538868.2/53

- sign 68.017+/-0.013 χ^2/NDF: 1117863.1/27

asym_usl_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/9

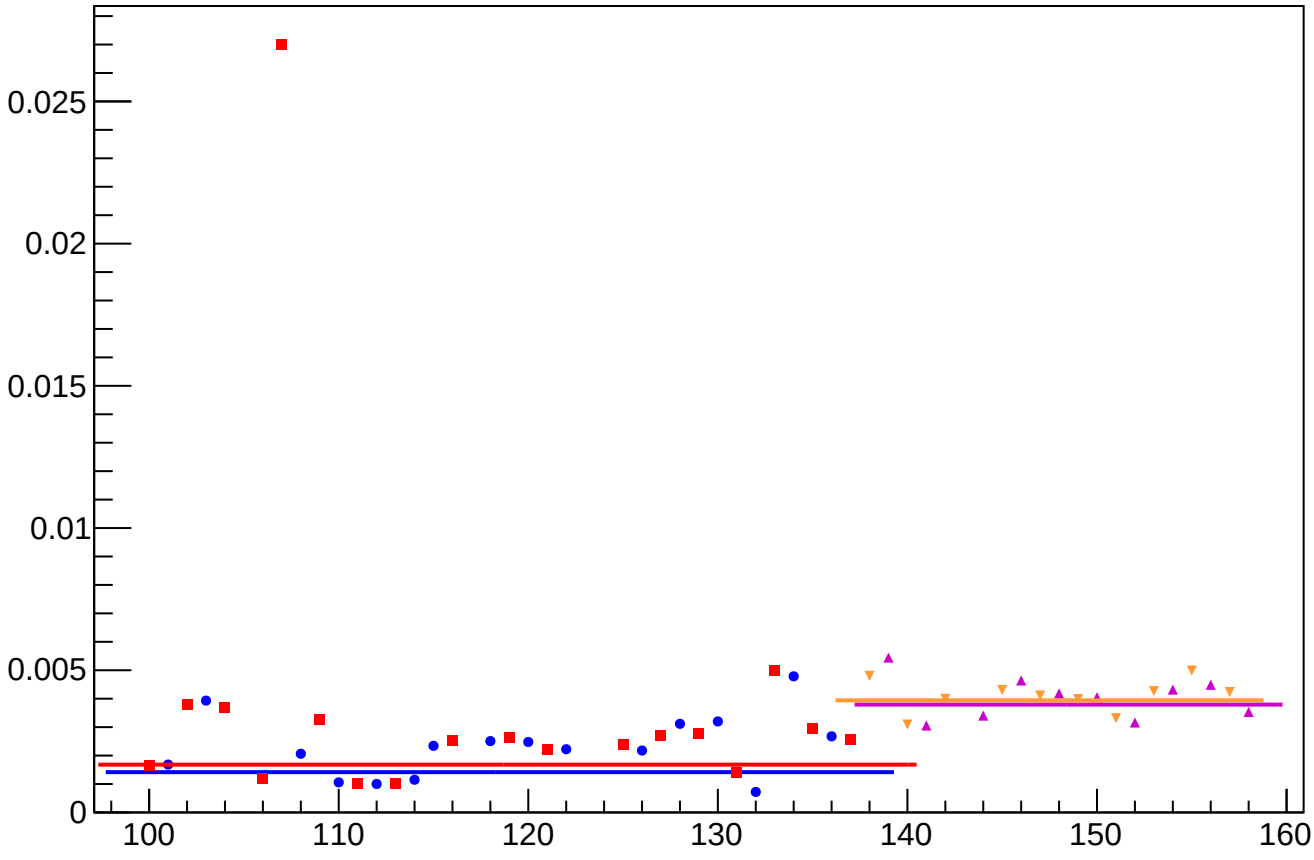
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/17

Left In: -0.000+/-0.000 χ^2/NDF:3.6/9

+ sign -0.000+/-0.000 χ^2/NDF: 57.6/25

All: -0.000+/-0.000 χ^2/NDF: 79.1/53

- sign -0.000+/-0.000 χ^2/NDF: 19.5/27



Right In: 0.001+/-0.000 χ^2/NDF: 3547259.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:335839.9/9

Right Out: 0.002+/-0.000 χ^2/NDF: 3427218.5/17

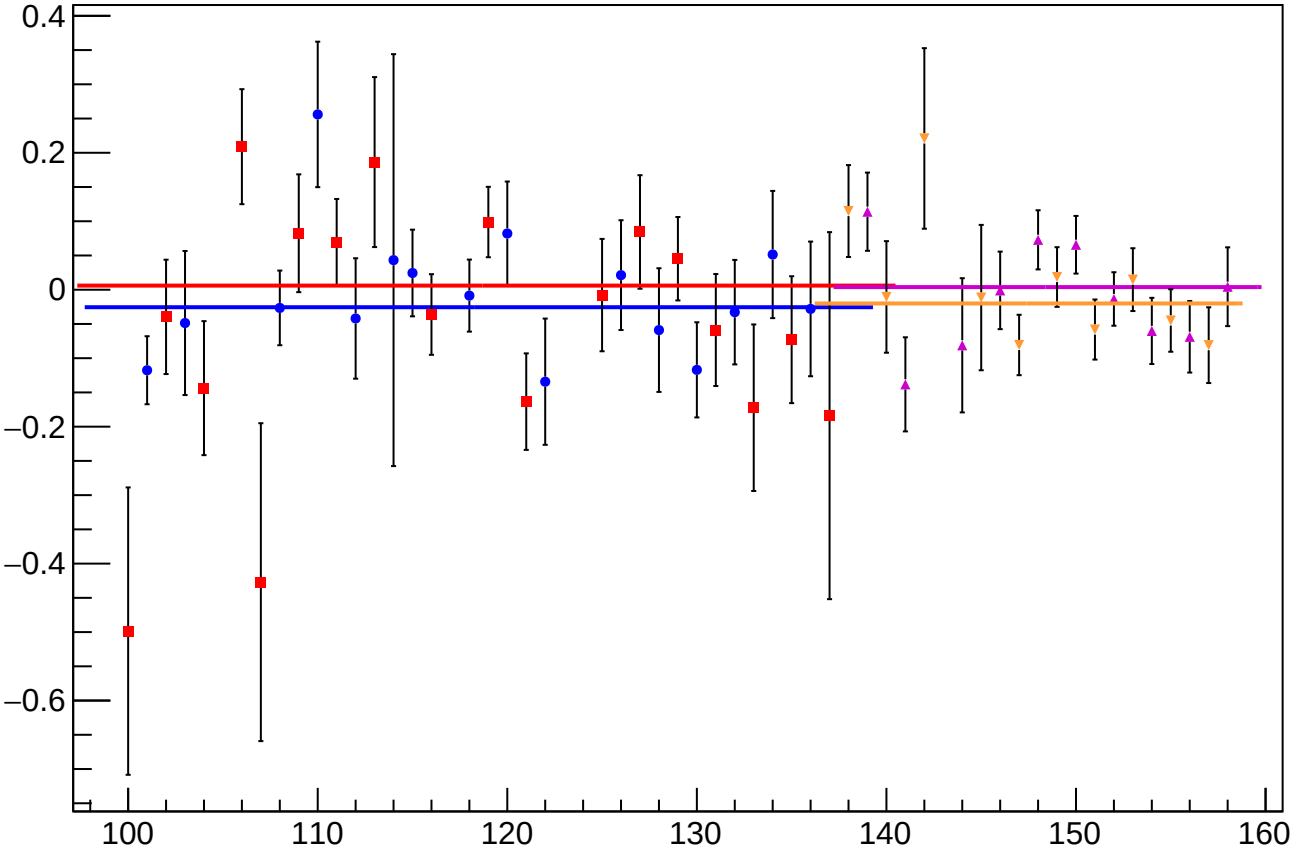
Left In: 0.004+/-0.000 χ^2/NDF:501917.0/9

+ sign 0.002+/-0.000 χ^2/NDF: 9126081.0/25

All: 0.002+/-0.000 χ^2/NDF: 17389612.7/53

- sign 0.002+/-0.000 χ^2/NDF: 7898263.2/27

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.020+/-0.017 χ^2/NDF:12.9/9

Right Out: 0.006+/-0.019 χ^2/NDF: 36.5/17

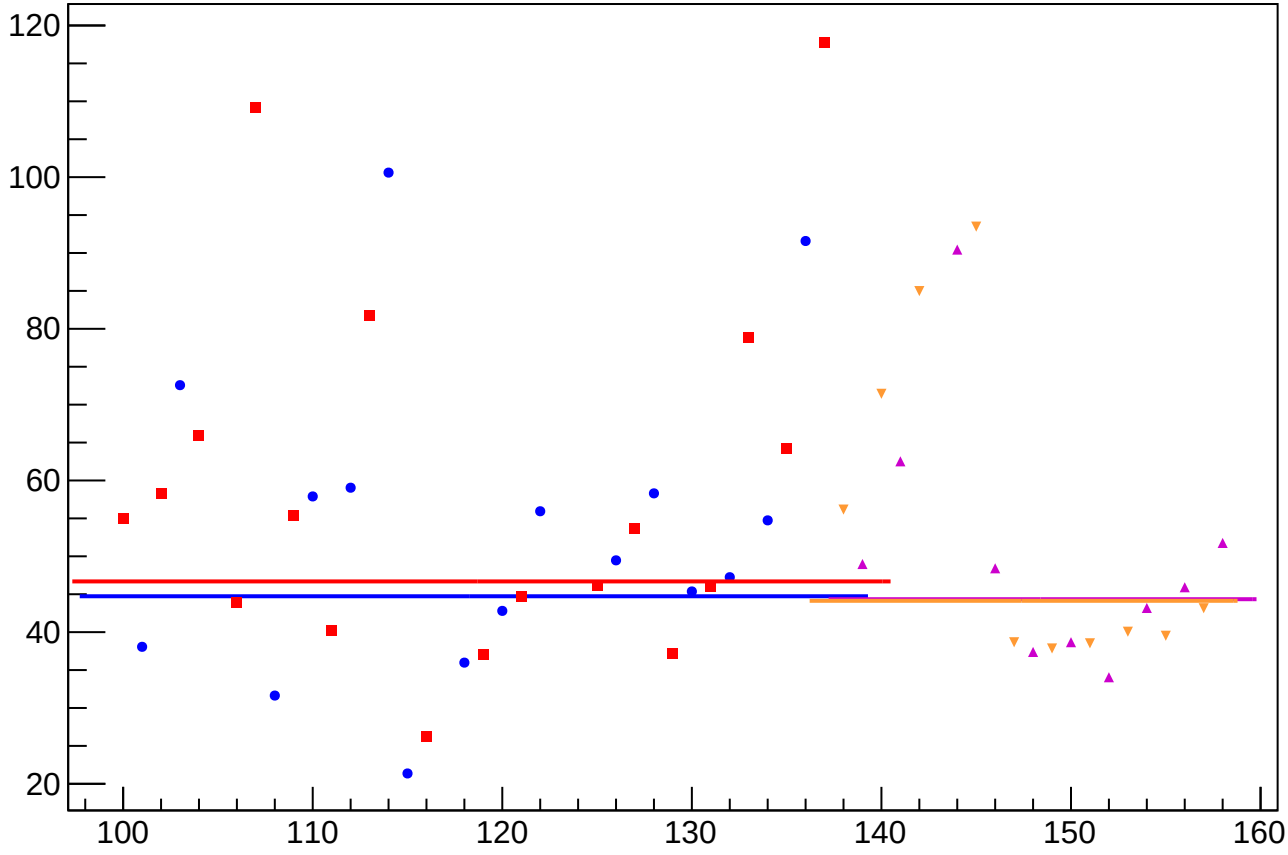
Left In: 0.004+/-0.016 χ^2/NDF:17.3/9

+ sign -0.023+/-0.013 χ^2/NDF: 30.6/25

All: -0.009+/-0.009 χ^2/NDF: 86.8/53

- sign 0.005+/-0.012 χ^2/NDF: 53.9/27

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 44.134+/-0.012 χ^2/NDF:1054562.1/9

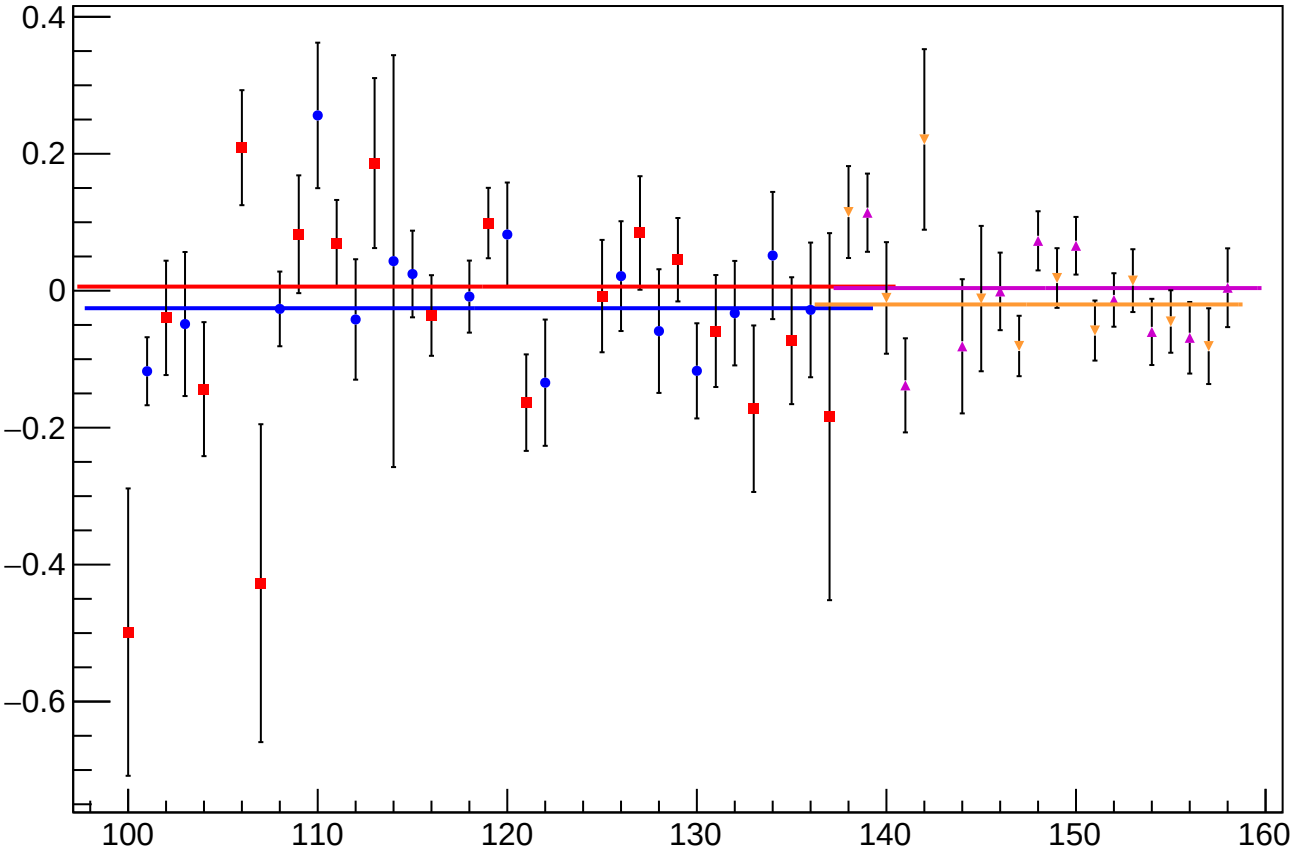
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 44.345+/-0.011 χ^2/NDF:869407.7/9

+ sign 44.408+/-0.009 χ^2/NDF: 2390265.9/25

All: 44.869+/-0.006 χ^2/NDF: 4477523.5/53

- sign 45.312+/-0.009 χ^2/NDF: 2082092.2/27



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.020+/-0.017 χ^2/NDF:12.9/9

Right Out: 0.006+/-0.019 χ^2/NDF: 36.5/17

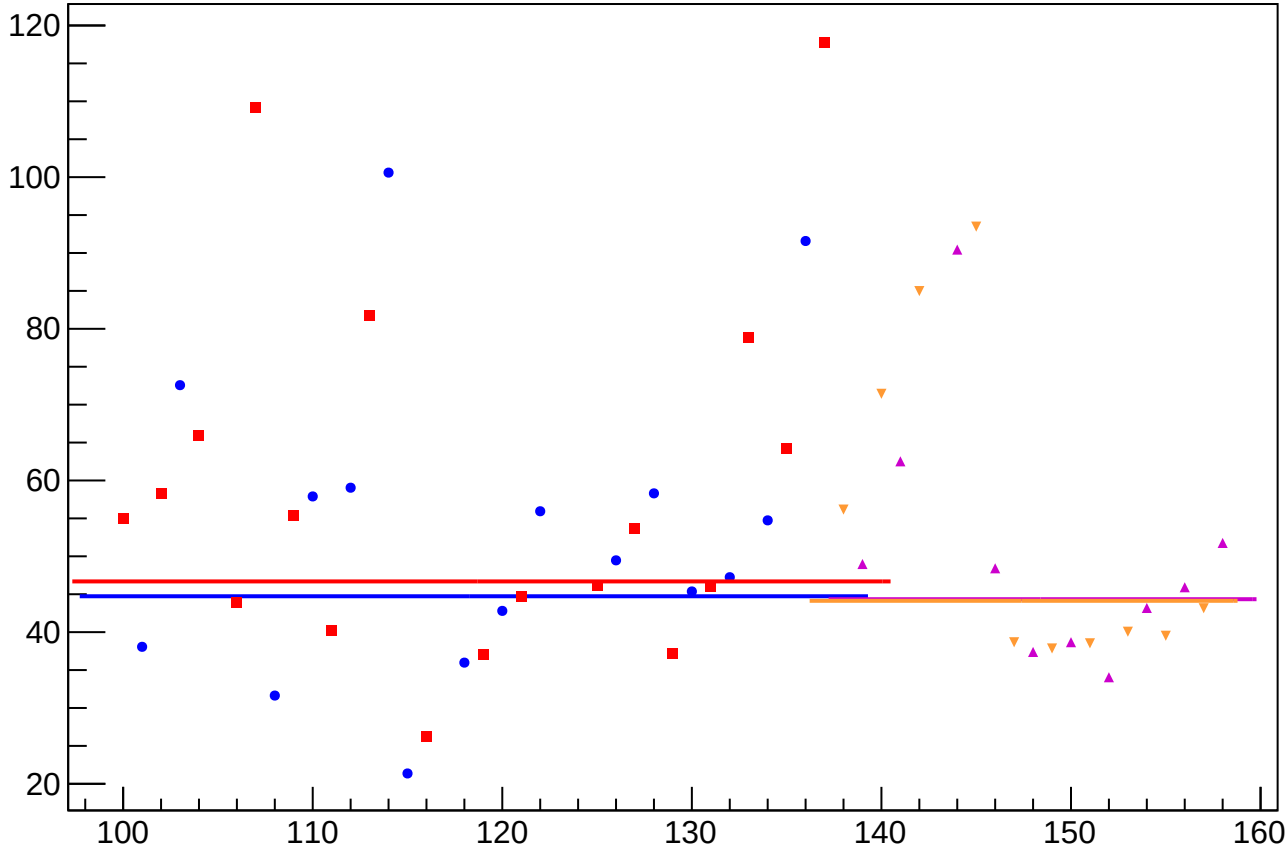
Left In: 0.004+/-0.016 χ^2/NDF:17.3/9

+ sign -0.023+/-0.013 χ^2/NDF: 30.6/25

All: -0.009+/-0.009 χ^2/NDF: 86.8/53

- sign 0.005+/-0.012 χ^2/NDF: 53.9/27

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 44.134+/-0.012 χ^2/NDF:1054562.1/9

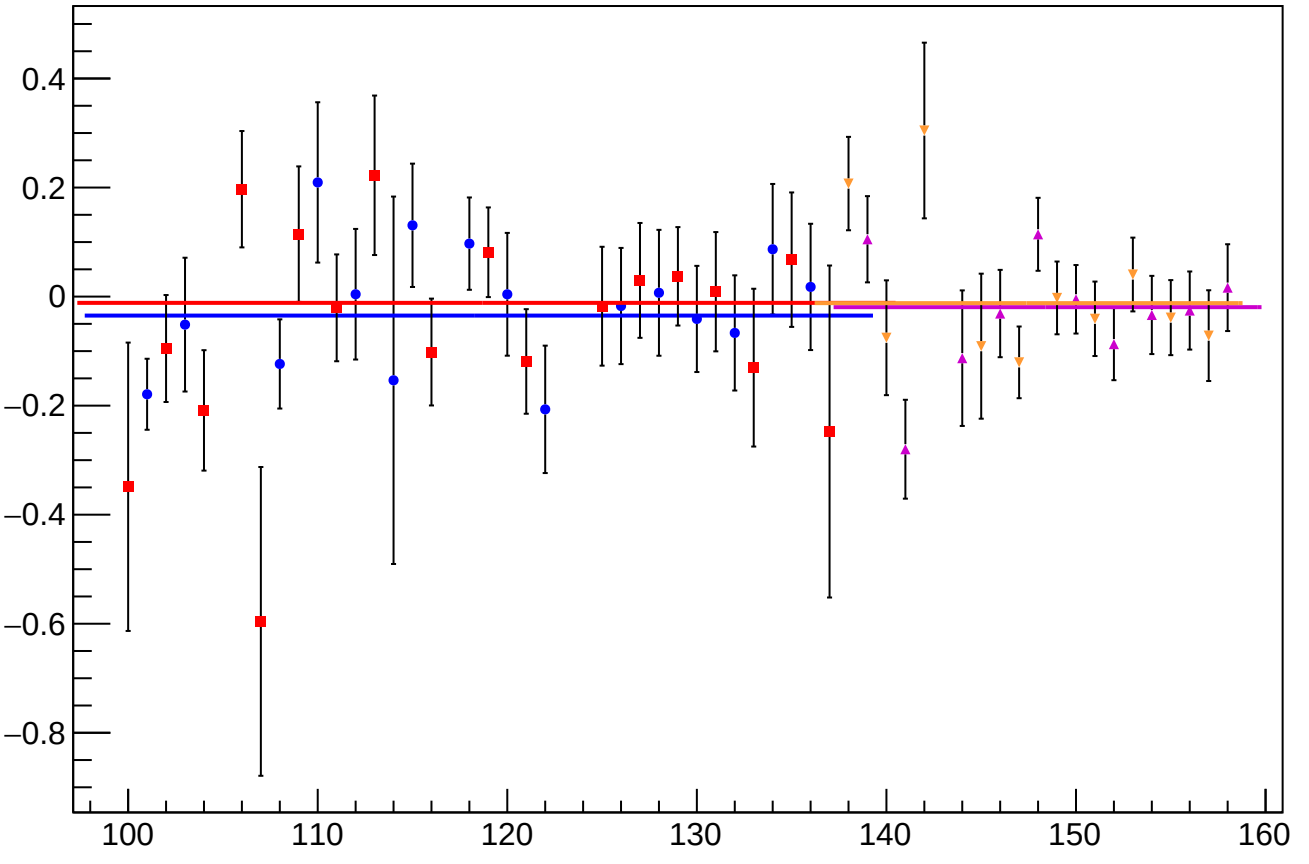
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 44.345+/-0.011 χ^2/NDF:869407.7/9

+ sign 44.408+/-0.009 χ^2/NDF: 2390265.9/25

All: 44.869+/-0.006 χ^2/NDF: 4477523.5/53

- sign 45.312+/-0.009 χ^2/NDF: 2082092.2/27



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/15

Left Out: -0.012+/-0.025 χ^2/NDF:15.3/9

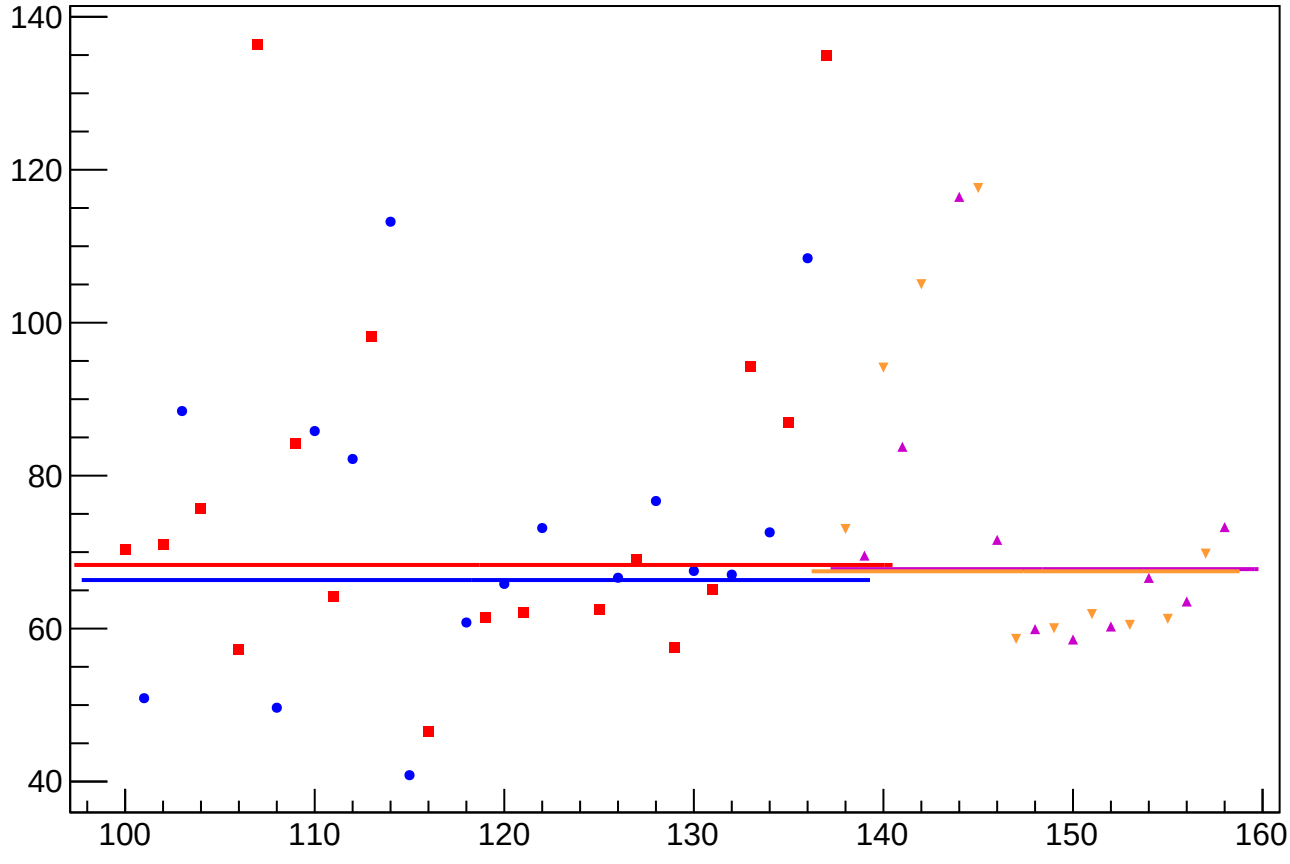
Right Out: -0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: -0.019+/-0.024 χ^2/NDF:16.7/9

+ sign -0.023+/-0.018 χ^2/NDF: 33.2/25

All: -0.019+/-0.013 χ^2/NDF: 72.7/53

- sign -0.016+/-0.018 χ^2/NDF: 39.5/27



Right In: 66.348+/-0.019 χ^2/NDF: 772660.4/15

Left Out: 67.495+/-0.018 χ^2/NDF:642818.9/9

Right Out: 68.321+/-0.019 χ^2/NDF: 629665.7/17

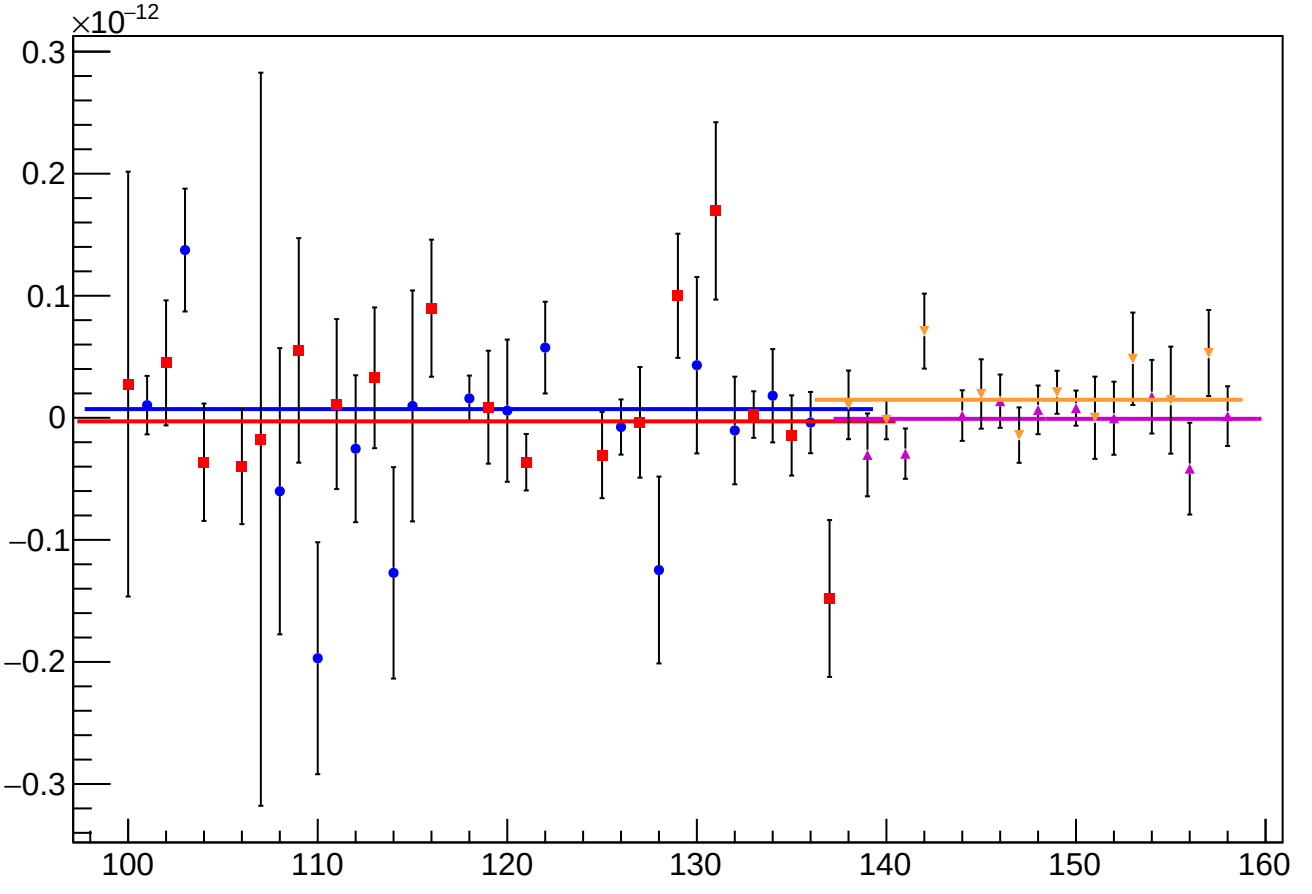
Left In: 67.777+/-0.017 χ^2/NDF:487724.5/9

+ sign 66.944+/-0.013 χ^2/NDF: 1417460.1/25

All: 67.491+/-0.009 χ^2/NDF: 2538847.9/53

- sign 68.017+/-0.013 χ^2/NDF: 1117848.6/27

asym_usl_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.4/9

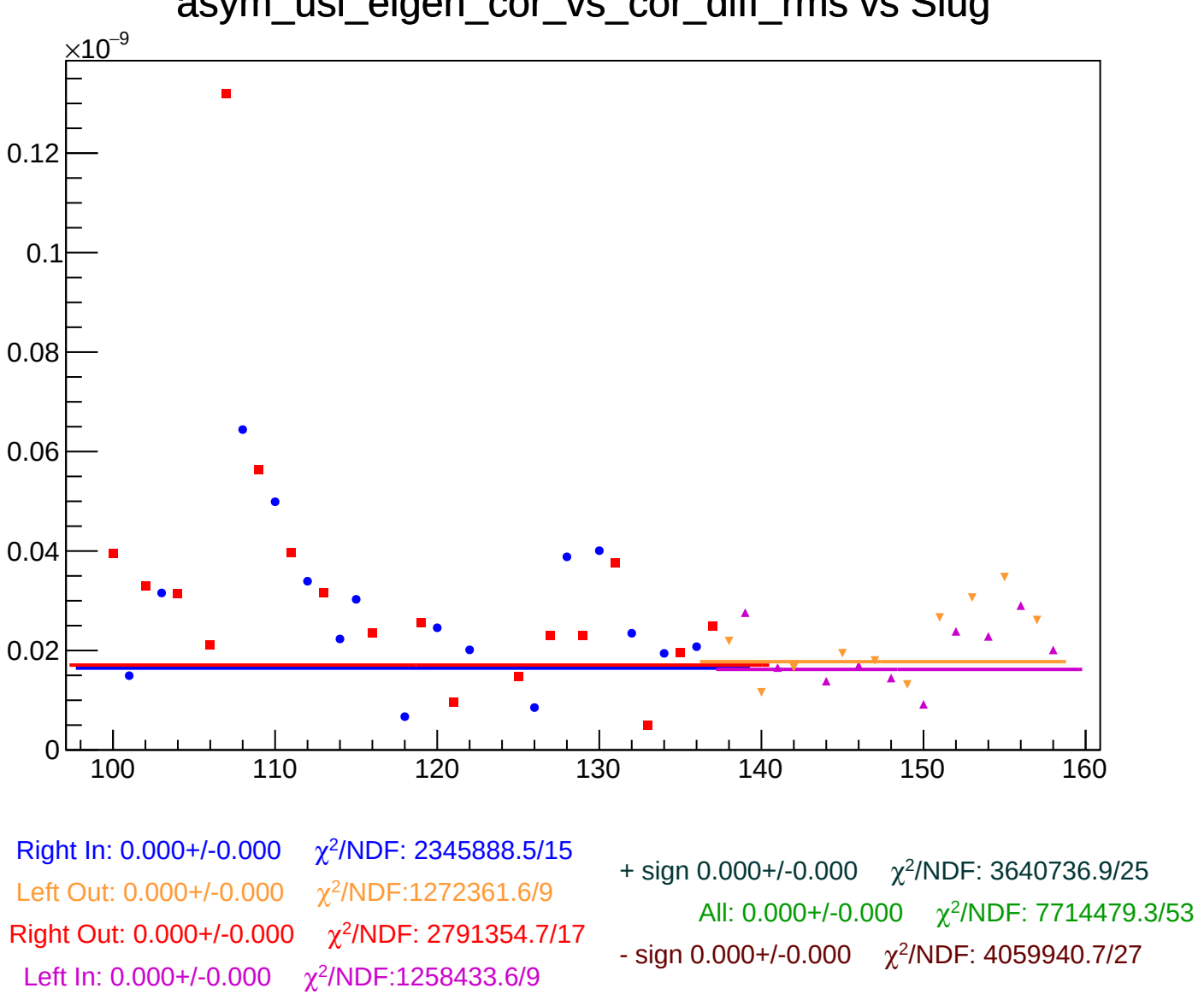
Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/17

Left In: -0.000+/-0.000 χ^2/NDF:5.2/9

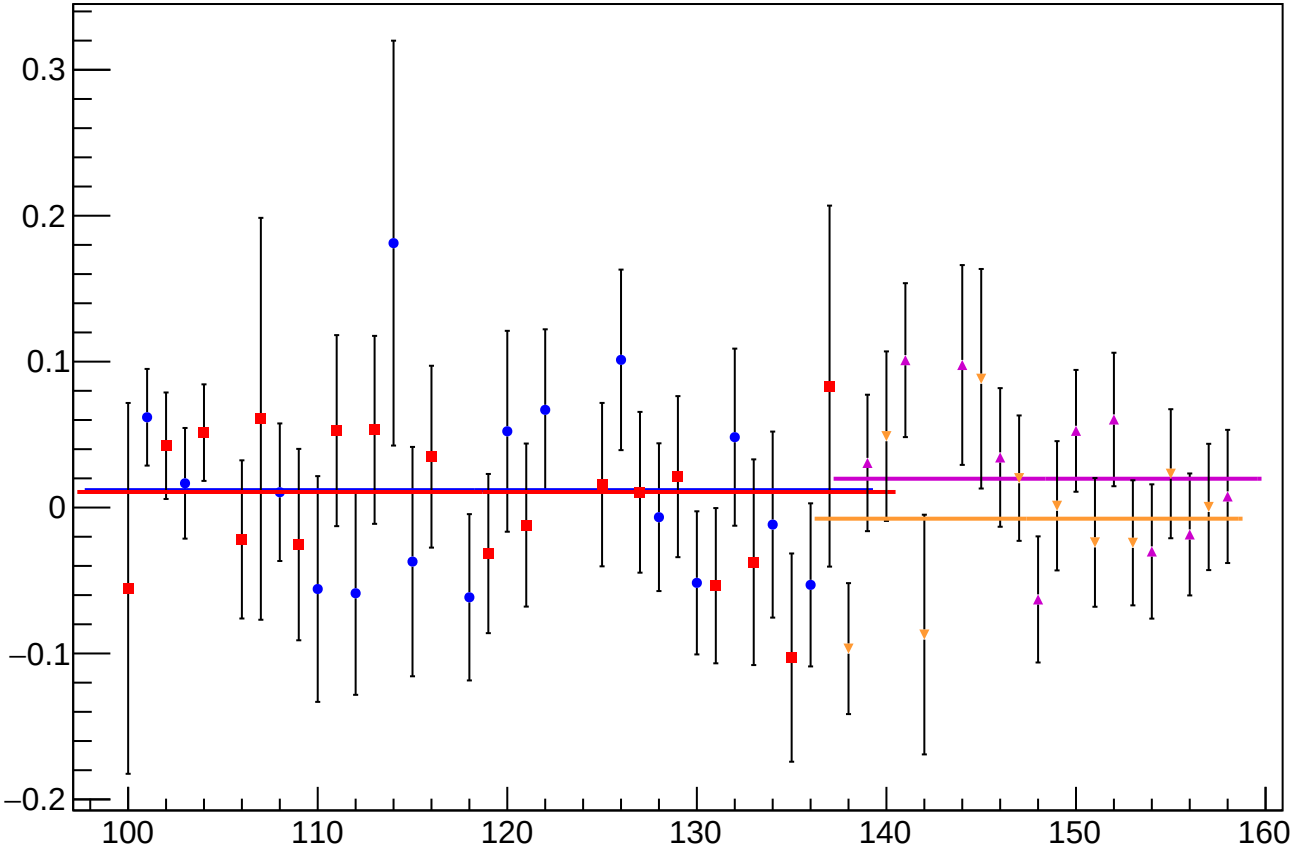
+ sign 0.000+/-0.000 χ^2/NDF: 29.2/25

All: 0.000+/-0.000 χ^2/NDF: 60.2/53

- sign -0.000+/-0.000 χ^2/NDF: 28.6/27


asym_usl_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2345888.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1272361.6/9
Right Out: 0.000+/-0.000 χ²/NDF: 2791354.7/17
Left In: 0.000+/-0.000 χ²/NDF:1258433.6/9
+ sign 0.000+/-0.000 χ²/NDF: 3640736.9/25
All: 0.000+/-0.000 χ²/NDF: 7714479.3/53
- sign 0.000+/-0.000 χ²/NDF: 4059940.7/27

asym_usl_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.008+/-0.015 χ^2/NDF:8.7/9

Right Out: 0.011+/-0.013 χ^2/NDF: 9.9/17

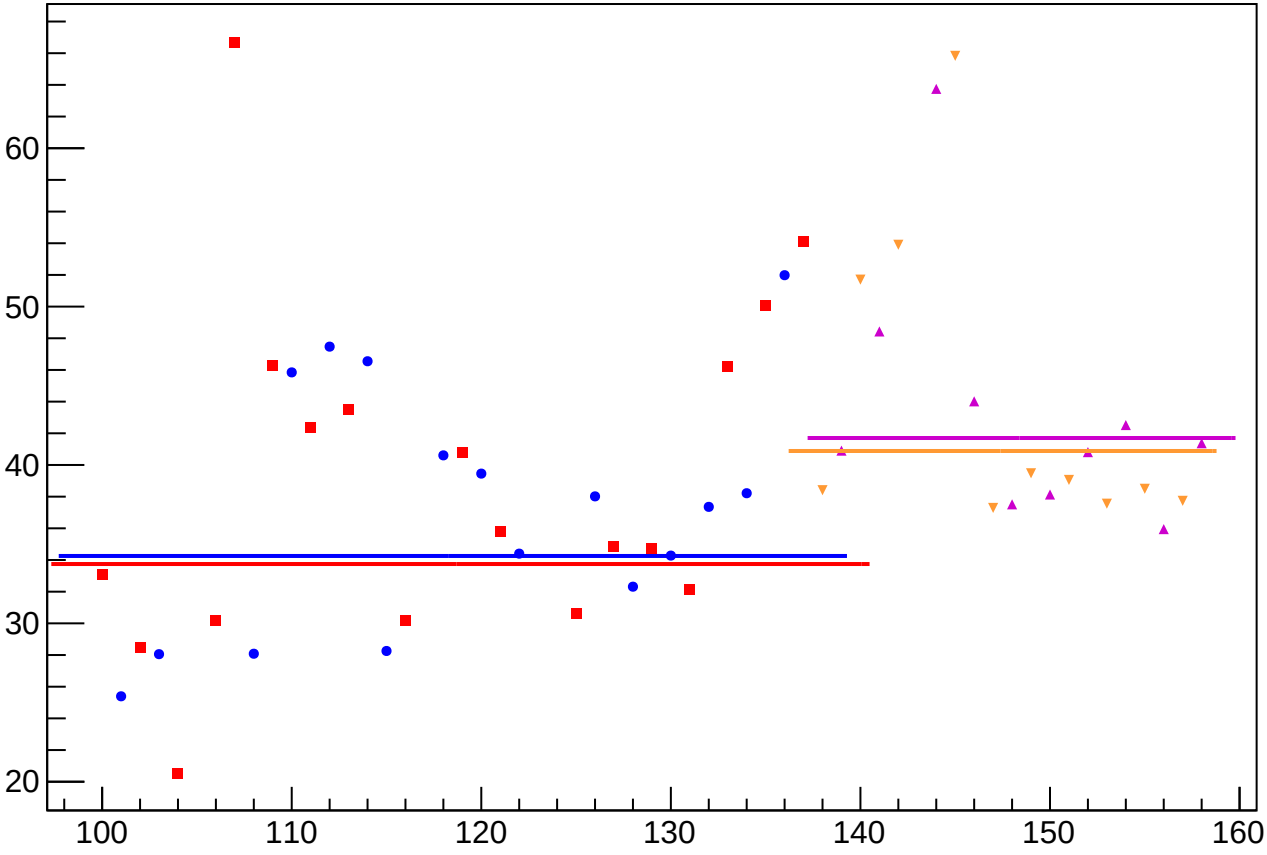
Left In: 0.020+/-0.015 χ^2/NDF:11.0/9

+ sign 0.003+/-0.010 χ^2/NDF: 24.3/25

All: 0.009+/-0.007 χ^2/NDF: 46.1/53

- sign 0.015+/-0.010 χ^2/NDF: 21.1/27

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 40.883+/-0.011 χ^2/NDF:393625.3/9

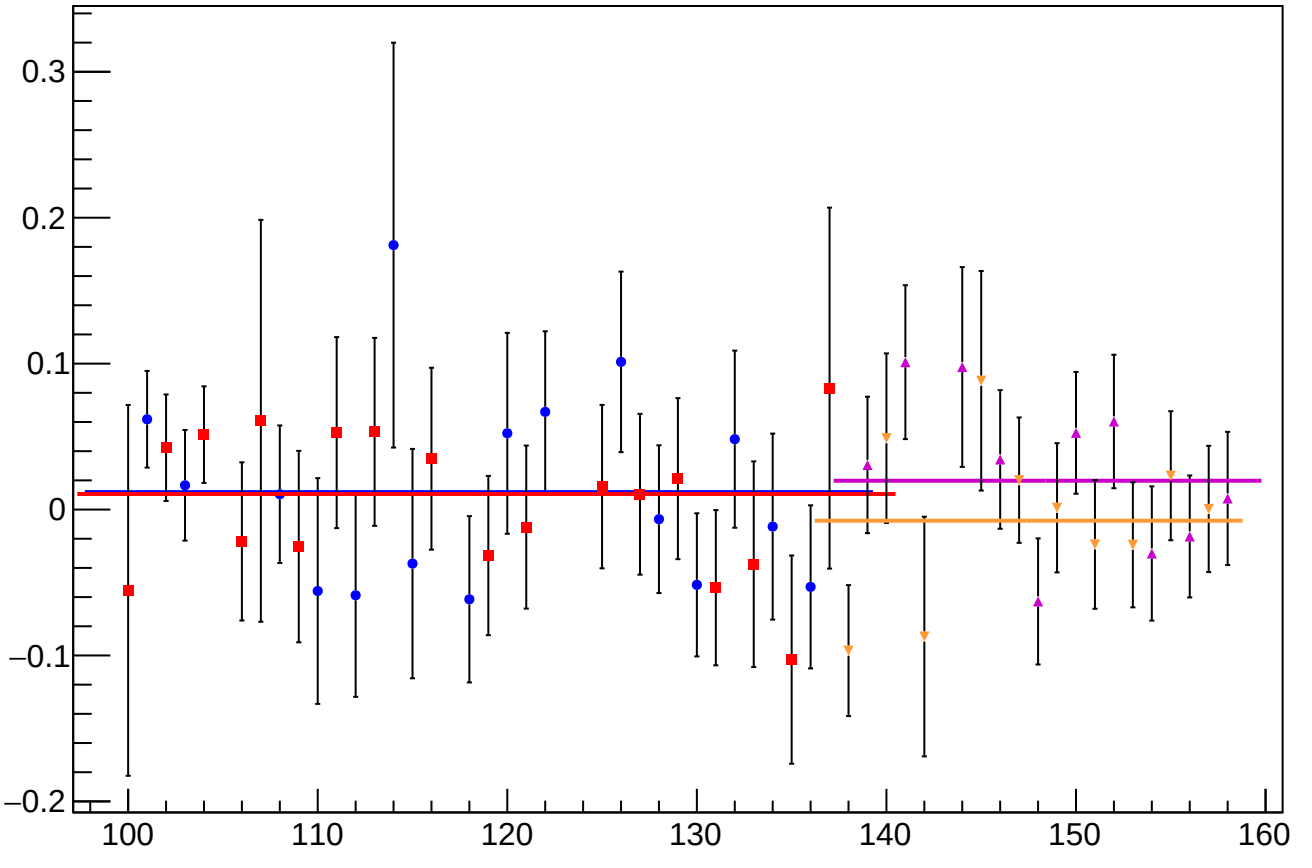
Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 41.703+/-0.010 χ^2/NDF:318007.9/9

\+ sign 37.183+/-0.007 χ^2/NDF: 1239184.7/25

All: 37.270+/-0.005 χ^2/NDF: 2786967.2/53

\- sign 37.352+/-0.007 χ^2/NDF: 1547502.6/27



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.008+/-0.015 χ^2/NDF:8.7/9

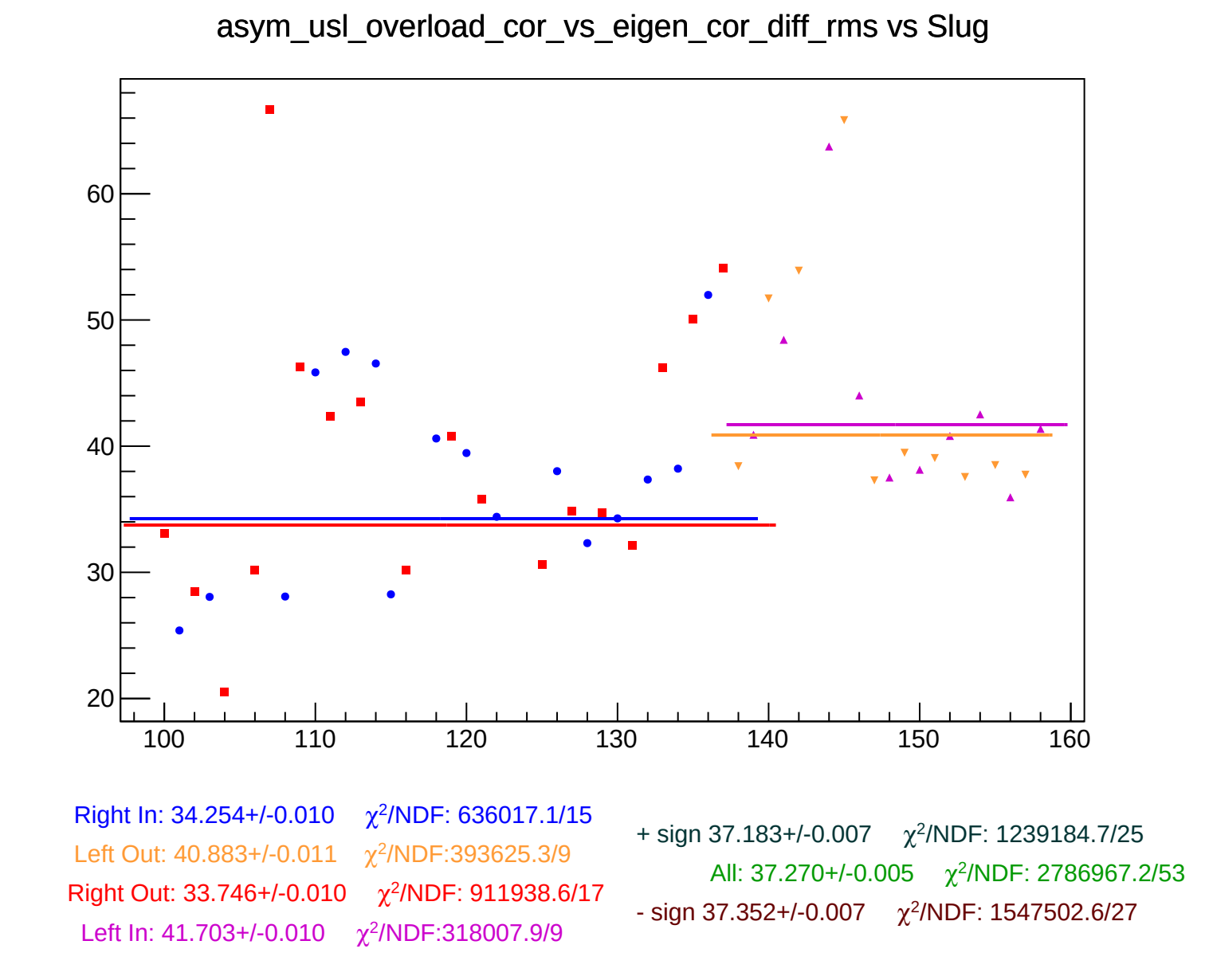
Right Out: 0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: 0.020+/-0.015 χ^2/NDF:11.0/9

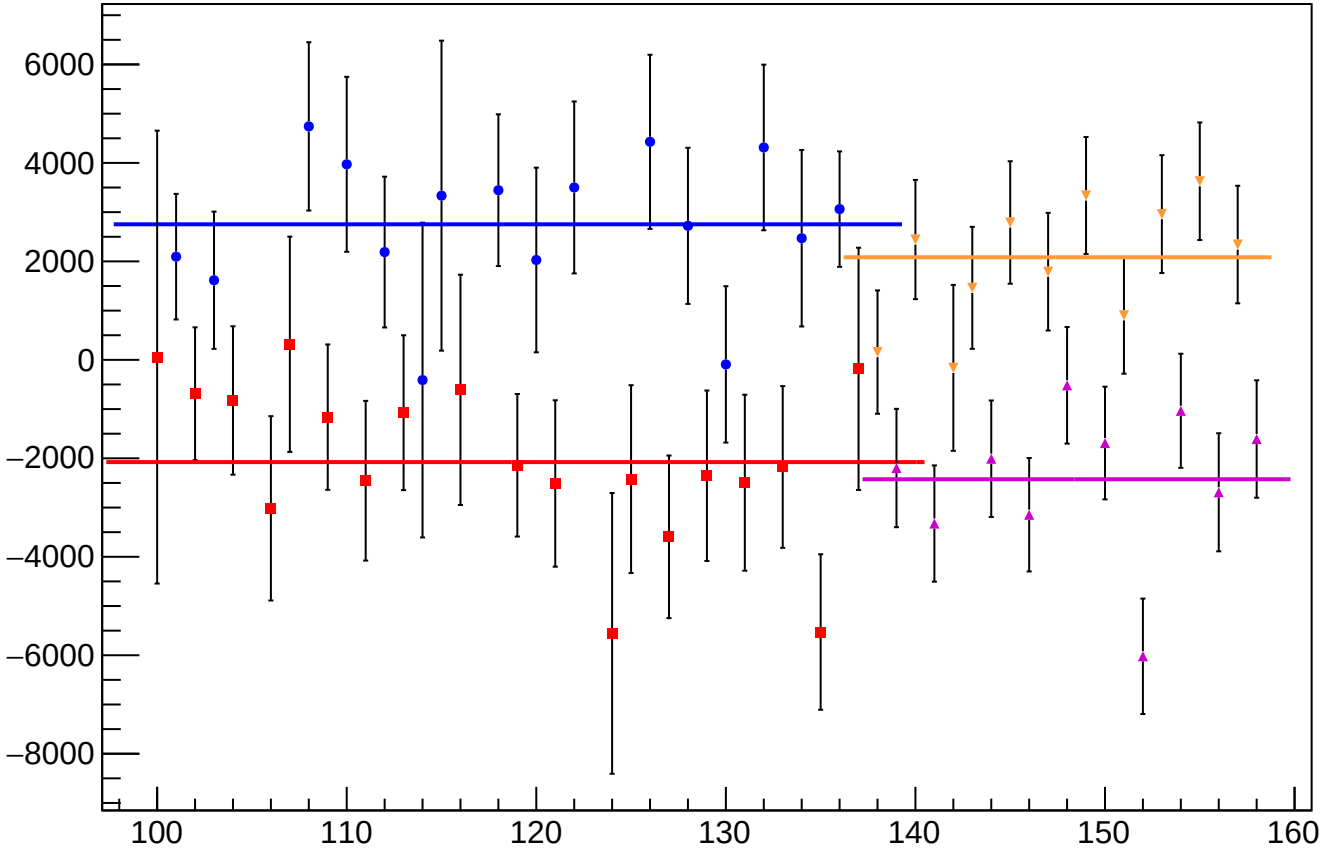
+ sign 0.003+/-0.010 χ^2/NDF: 24.3/25

All: 0.009+/-0.007 χ^2/NDF: 46.1/53

- sign 0.015+/-0.010 χ^2/NDF: 21.1/27


asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug
60
50
40
30
20
100
110
120
130
140
150
160
Right In: 34.254+/-0.010 χ²/NDF: 636017.1/15
Left Out: 40.883+/-0.011 χ²/NDF:393625.3/9
Right Out: 33.746+/-0.010 χ²/NDF: 911938.6/17
Left In: 41.703+/-0.010 χ²/NDF:318007.9/9
+ sign 37.183+/-0.007 χ²/NDF: 1239184.7/25
All: 37.270+/-0.005 χ²/NDF: 2786967.2/53
- sign 37.352+/-0.007 χ²/NDF: 1547502.6/27

reg_asym_usr_mean vs Slug



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 2083.289+/-372.946 χ^2/NDF:9.2/10

Right Out: -2076.471+/-403.796 χ^2/NDF: 12.5/18

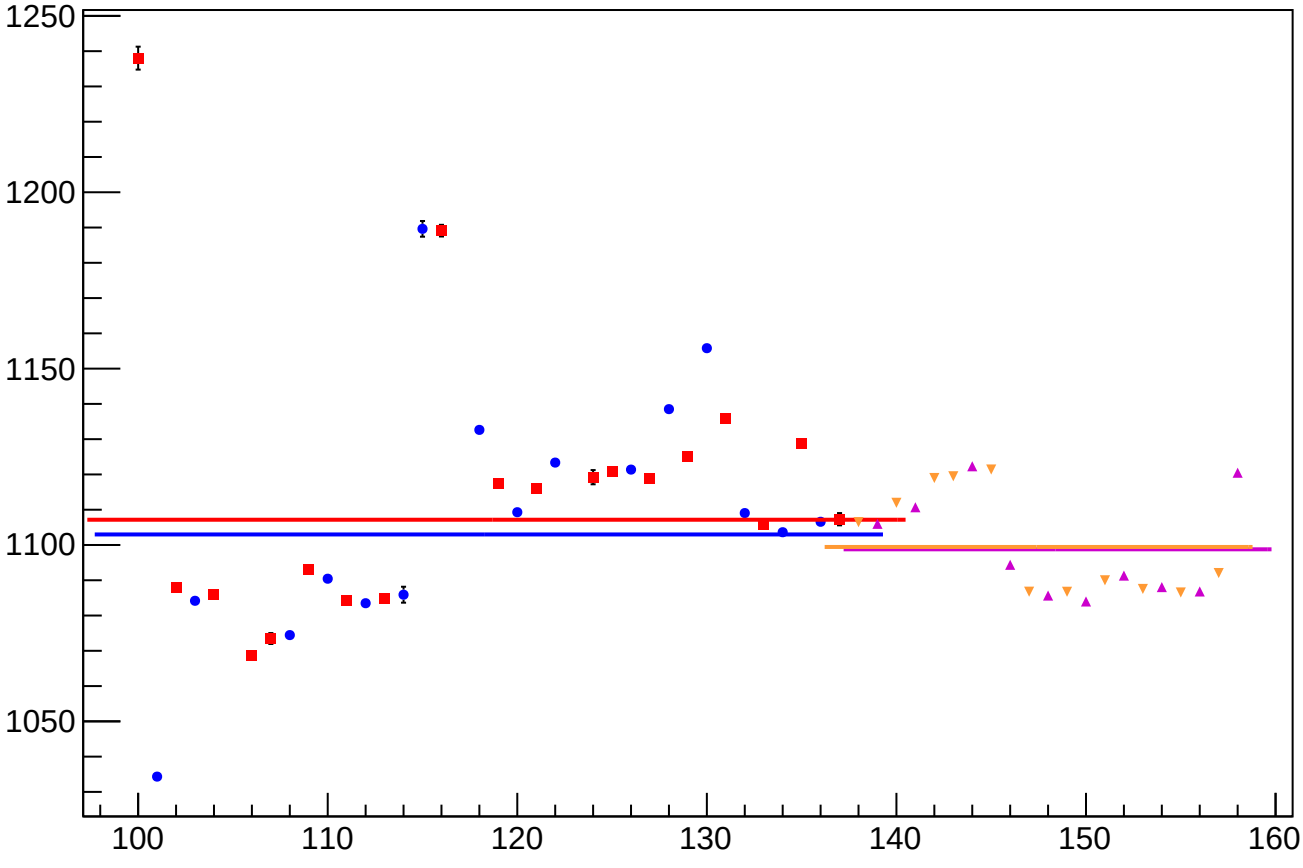
Left In: -2425.055+/-372.013 χ^2/NDF:15.5/9

+ sign 2386.707+/-275.835 χ^2/NDF: 20.2/26

All: 41.925+/-194.250 χ^2/NDF: 192.0/55

- sign -2265.019+/-273.600 χ^2/NDF: 28.5/28

reg_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1099.440+/-0.264 χ^2/NDF:2781.2/10

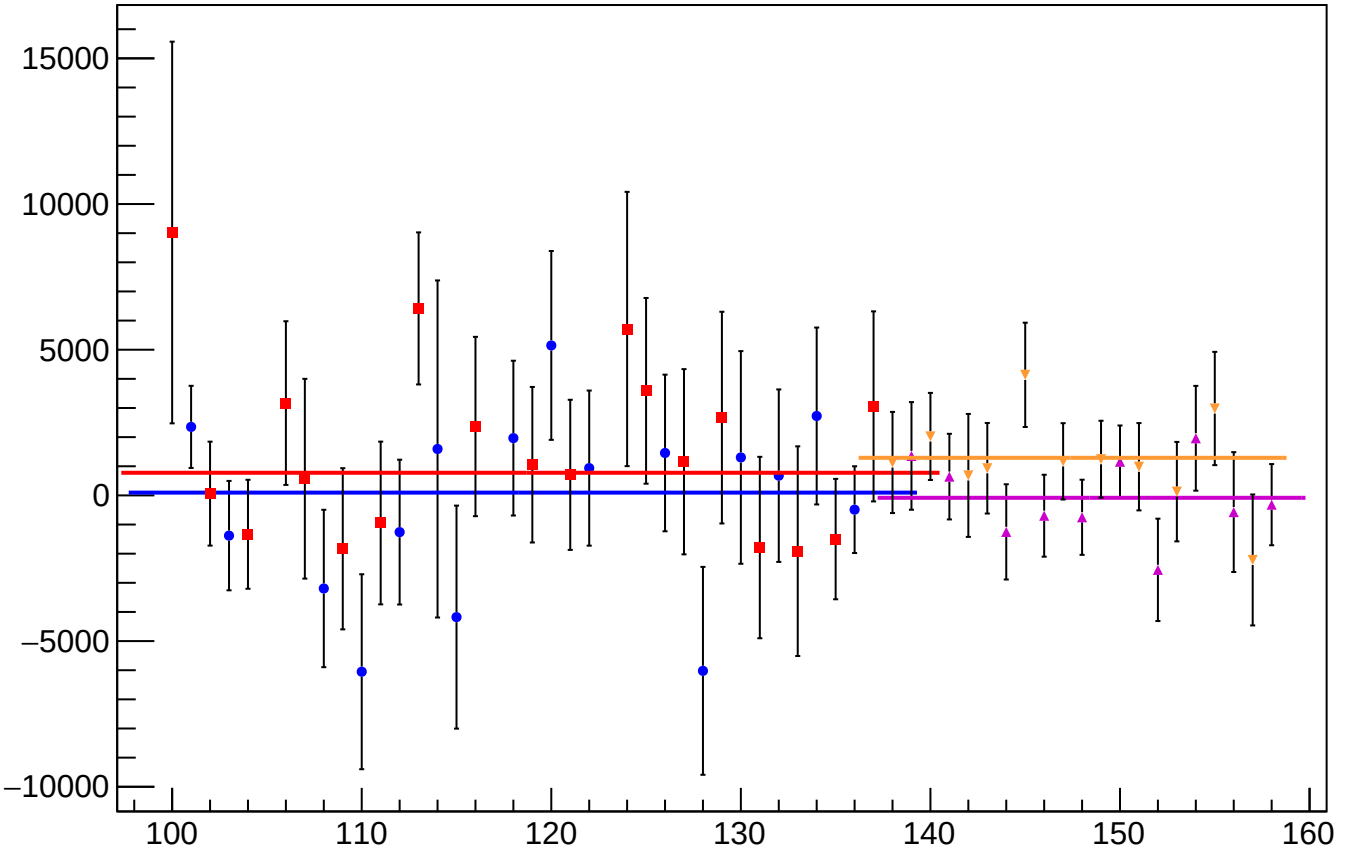
Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1098.773+/-0.263 χ^2/NDF:2790.0/9

+ sign 1101.047+/-0.195 χ^2/NDF: 16086.9/26

All: 1101.842+/-0.137 χ^2/NDF: 28059.8/55

- sign 1102.623+/-0.193 χ^2/NDF: 11940.0/28



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1290.435+/-491.546 χ^2/NDF:6.6/10

Right Out: 776.996+/-636.966 χ^2/NDF: 15.1/18

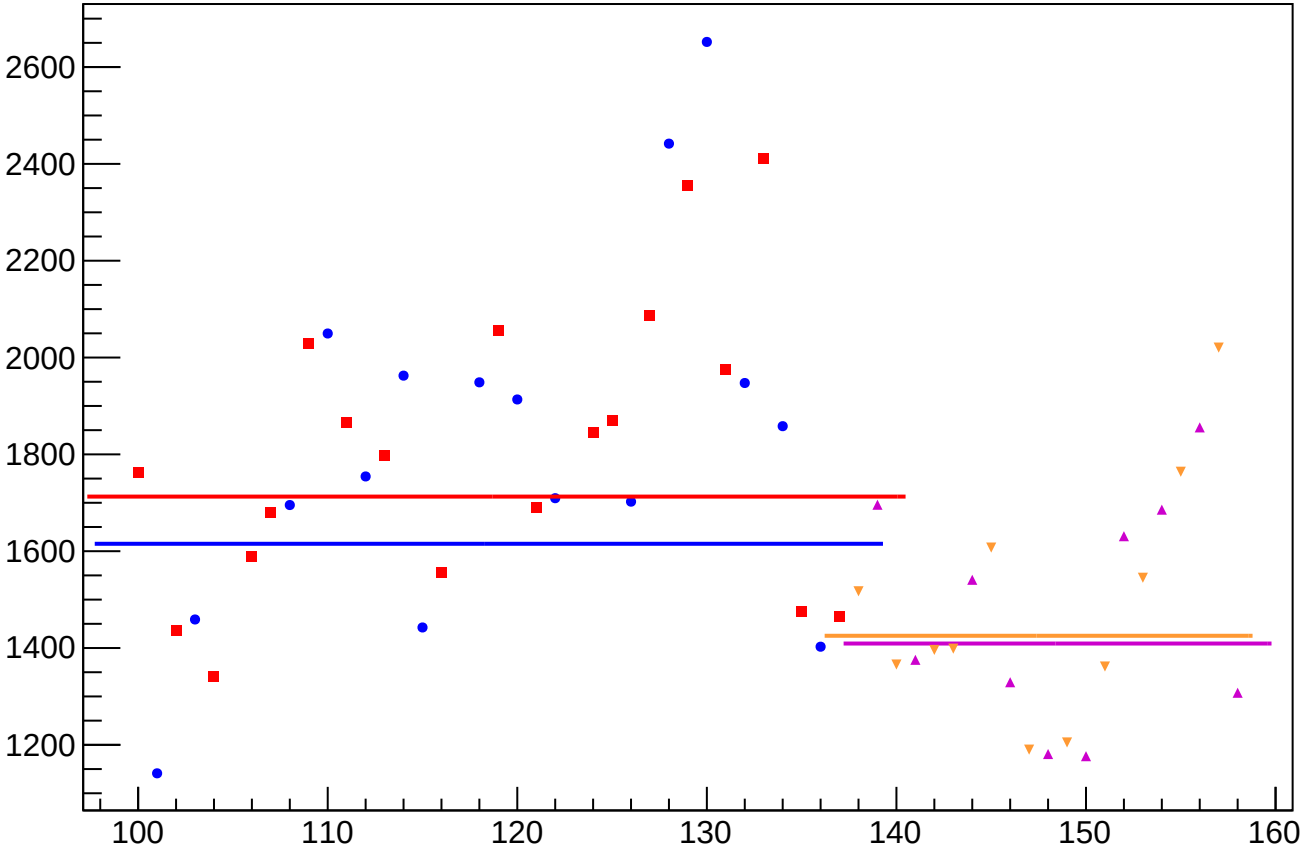
Left In: -82.224+/-483.959 χ^2/NDF:6.2/9

\+ sign 827.671+/-384.721 χ^2/NDF: 25.8/26

All: 530.444+/-272.261 χ^2/NDF: 49.4/55

\- sign 232.246+/-385.349 χ^2/NDF: 22.4/28

asym_usr_reg_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1425.311+/-0.348 χ^2/NDF:365258.4/10

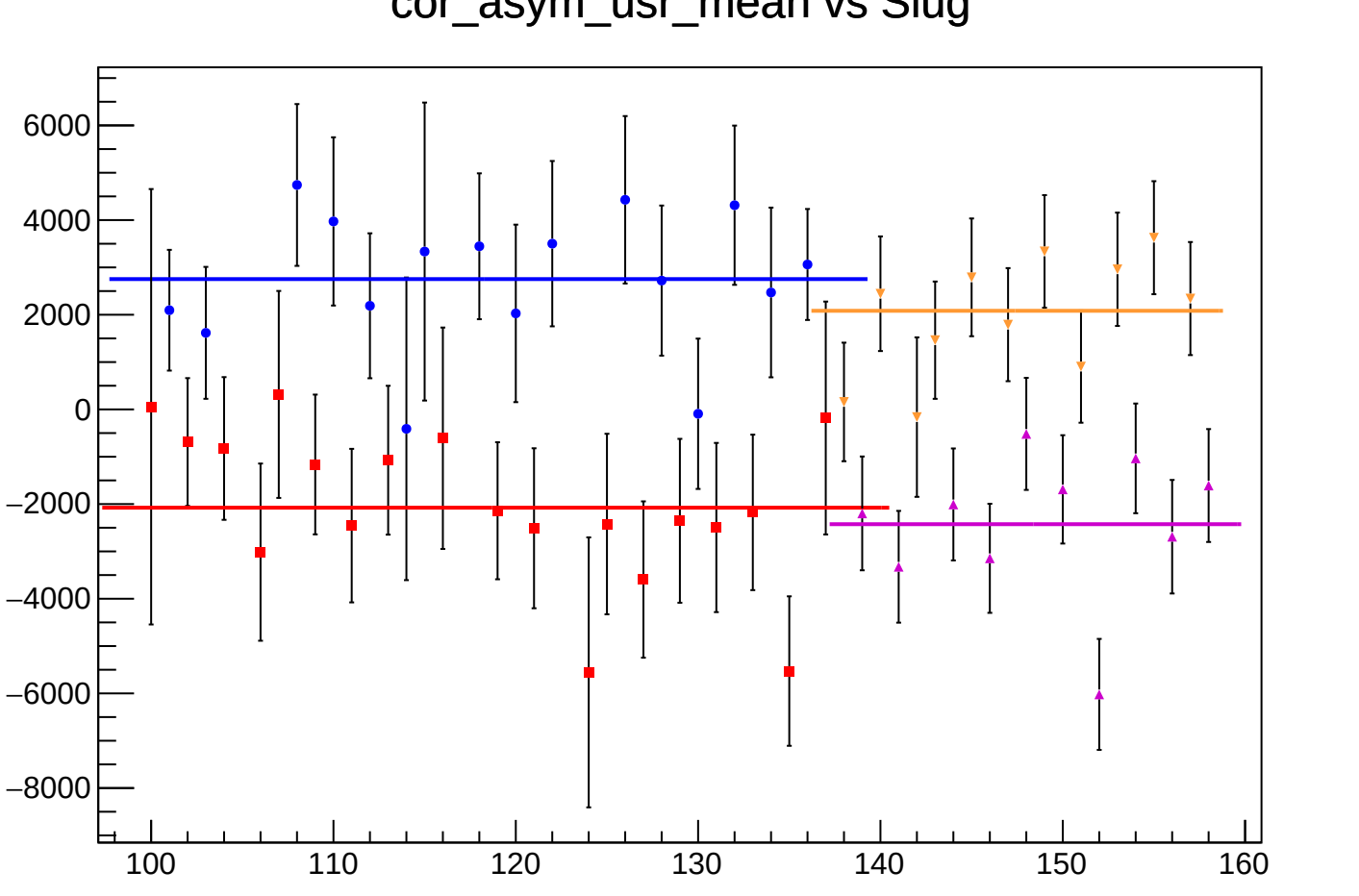
Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1409.282+/-0.342 χ^2/NDF:385399.9/9

+ sign 1498.923+/-0.272 χ^2/NDF: 1174662.1/26

All: 1509.628+/-0.193 χ^2/NDF: 2279136.3/55

- sign 1520.368+/-0.272 χ^2/NDF: 1101372.2/28



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 2083.289+/-372.946 χ^2/NDF:9.2/10

Right Out: -2076.471+/-403.796 χ^2/NDF: 12.5/18

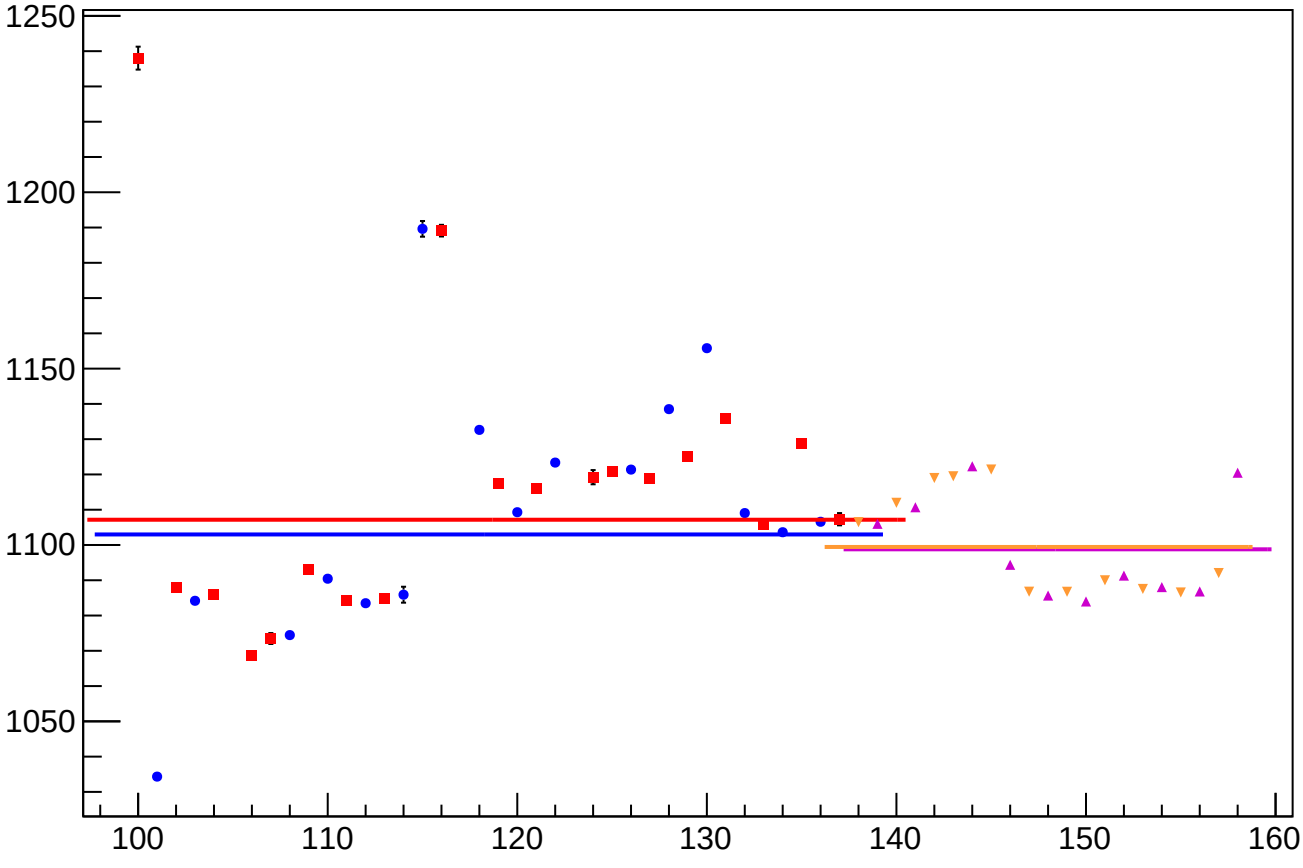
Left In: -2425.055+/-372.013 χ^2/NDF:15.5/9

+ sign 2386.707+/-275.835 χ^2/NDF: 20.2/26

All: 41.925+/-194.250 χ^2/NDF: 192.0/55

- sign -2265.019+/-273.600 χ^2/NDF: 28.5/28

cor_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1099.440+/-0.264 χ^2/NDF:2781.2/10

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

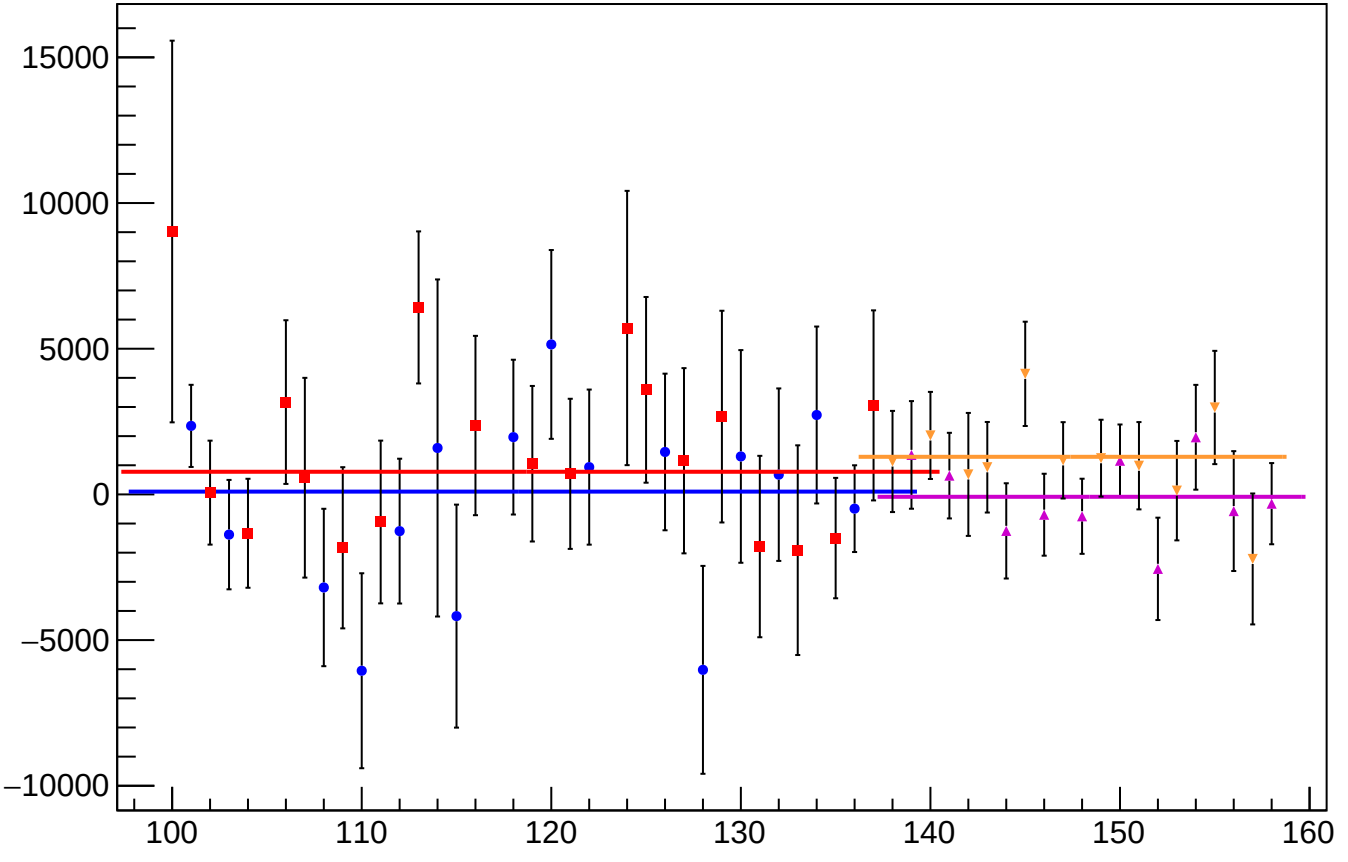
Left In: 1098.773+/-0.263 χ^2/NDF:2790.0/9

+ sign 1101.047+/-0.195 χ^2/NDF: 16086.9/26

All: 1101.842+/-0.137 χ^2/NDF: 28059.8/55

- sign 1102.623+/-0.193 χ^2/NDF: 11940.0/28

asym_usr_cor_correction_mean vs Slug



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1290.435+/-491.546 χ^2/NDF:6.6/10

Right Out: 776.996+/-636.966 χ^2/NDF: 15.1/18

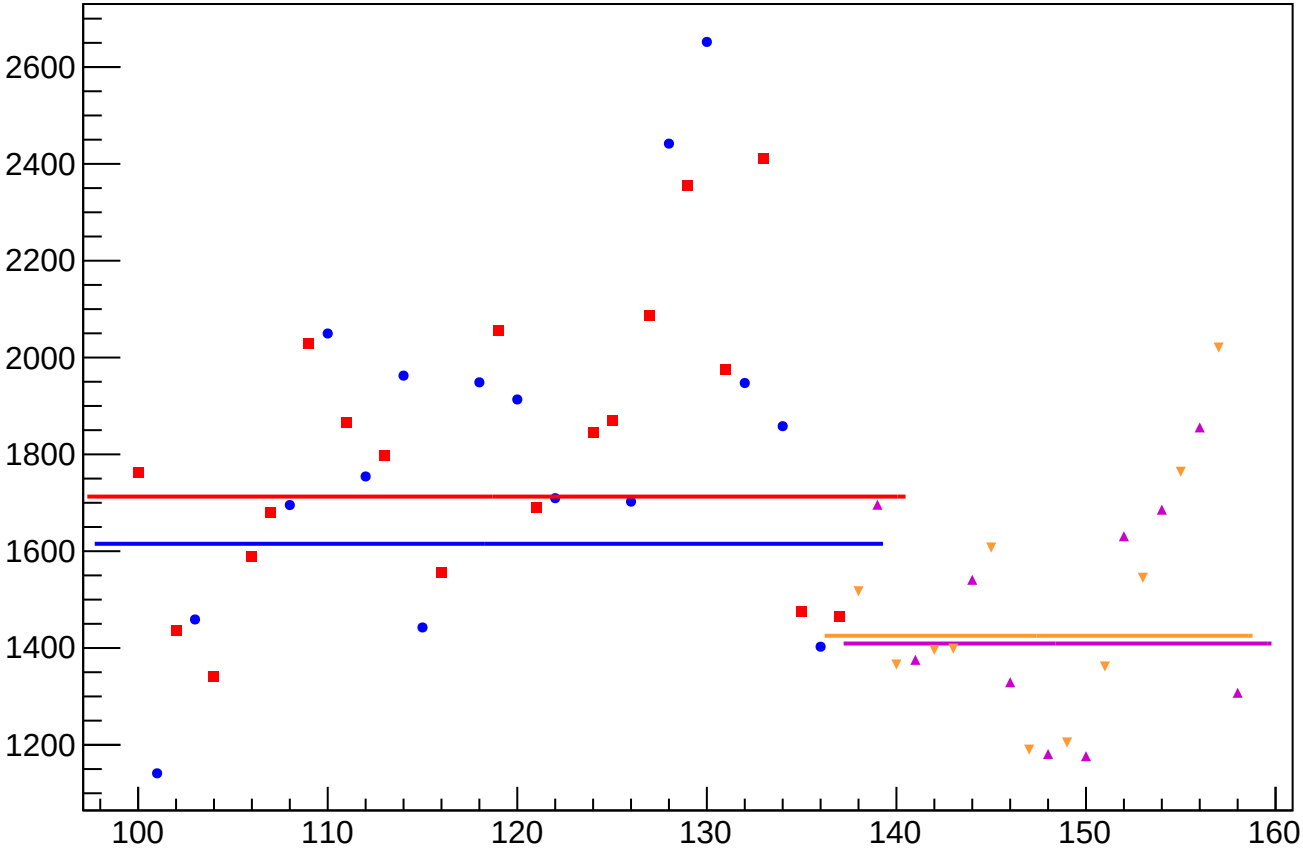
Left In: -82.224+/-483.959 χ^2/NDF:6.2/9

+ sign 827.671+/-384.721 χ^2/NDF: 25.8/26

All: 530.444+/-272.261 χ^2/NDF: 49.4/55

- sign 232.246+/-385.349 χ^2/NDF: 22.4/28

asym_usr_cor_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1425.311+/-0.348 χ^2/NDF:365258.4/10

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

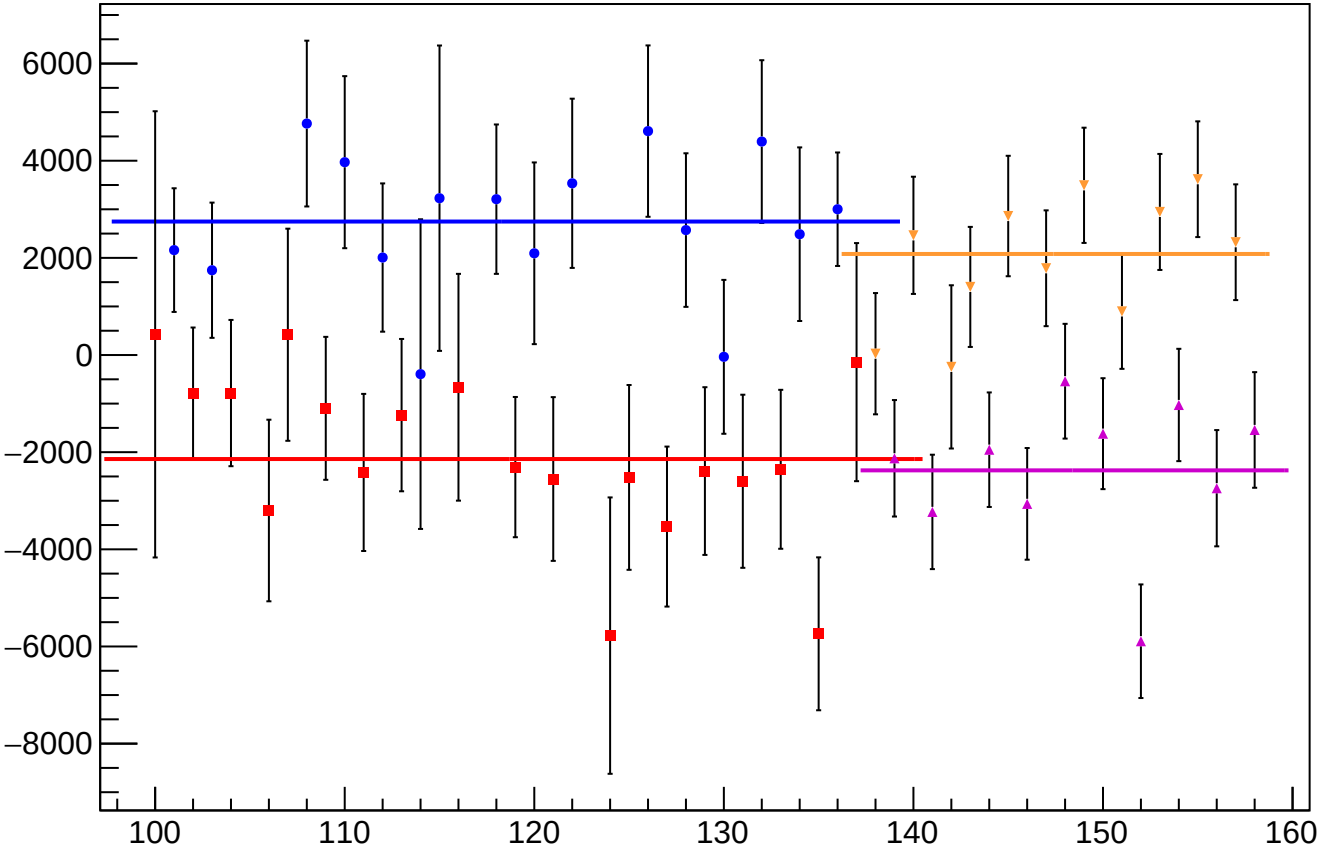
Left In: 1409.282+/-0.342 χ^2/NDF:385399.9/9

+ sign 1498.923+/-0.272 χ^2/NDF: 1174662.1/26

All: 1509.628+/-0.193 χ^2/NDF: 2279136.3/55

- sign 1520.368+/-0.272 χ^2/NDF: 1101372.2/28

overload_cor_asym_usr_mean vs Slug



Right In: 2747.939+/-408.759 χ^2/NDF: 9.5/15

Left Out: 2080.508+/-371.964 χ^2/NDF:10.1/10

Right Out: -2141.169+/-402.789 χ^2/NDF: 13.6/18

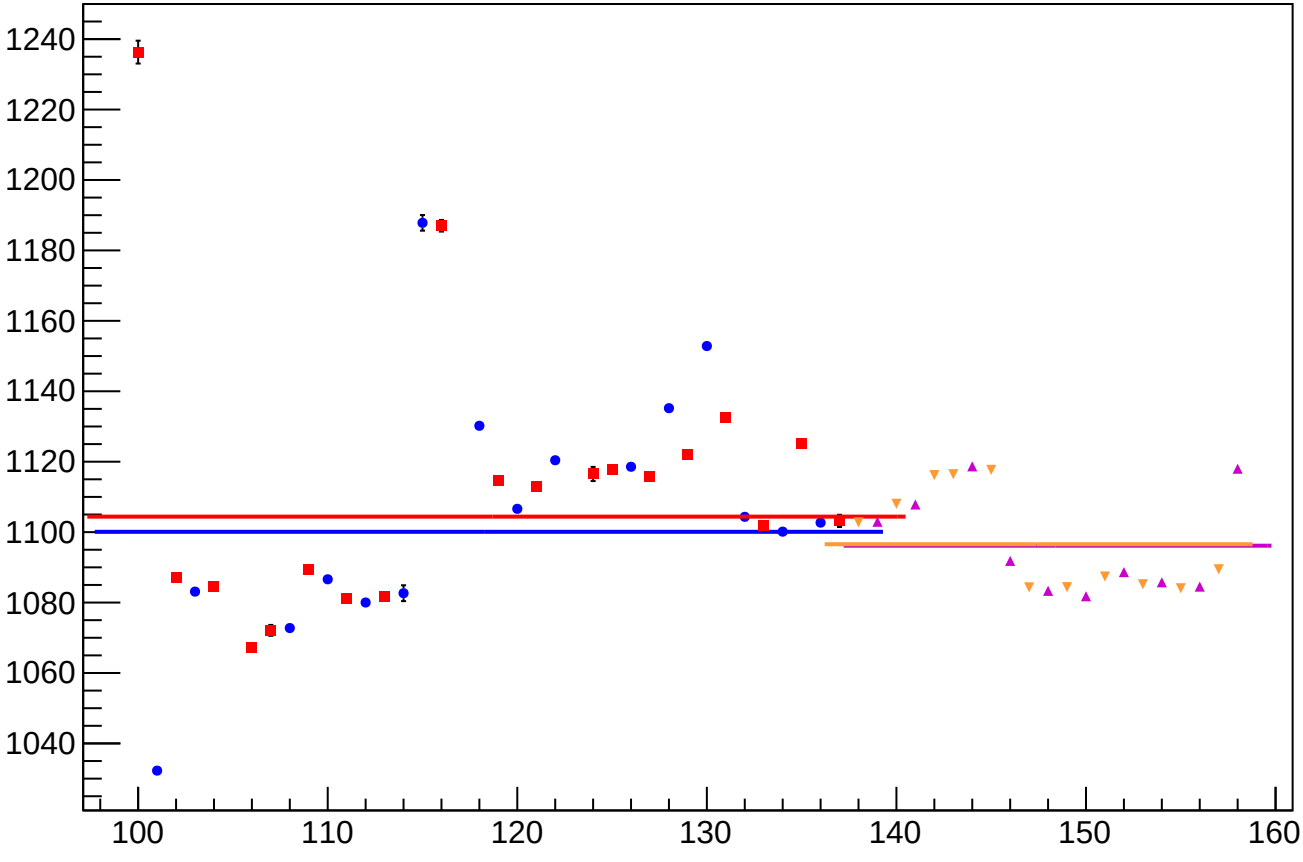
Left In: -2374.350+/-371.123 χ^2/NDF:14.9/9

+ sign 2382.838+/-275.109 χ^2/NDF: 21.1/26

All: 39.310+/-193.757 χ^2/NDF: 193.7/55

- sign -2267.285+/-272.933 χ^2/NDF: 28.6/28

overload_cor_asym_usr_rms vs Slug



Right In: 1100.090+/-0.289 χ^2/NDF: 13077.1/15

Left Out: 1096.556+/-0.263 χ^2/NDF:2617.3/10

Right Out: 1104.403+/-0.285 χ^2/NDF: 8543.5/18

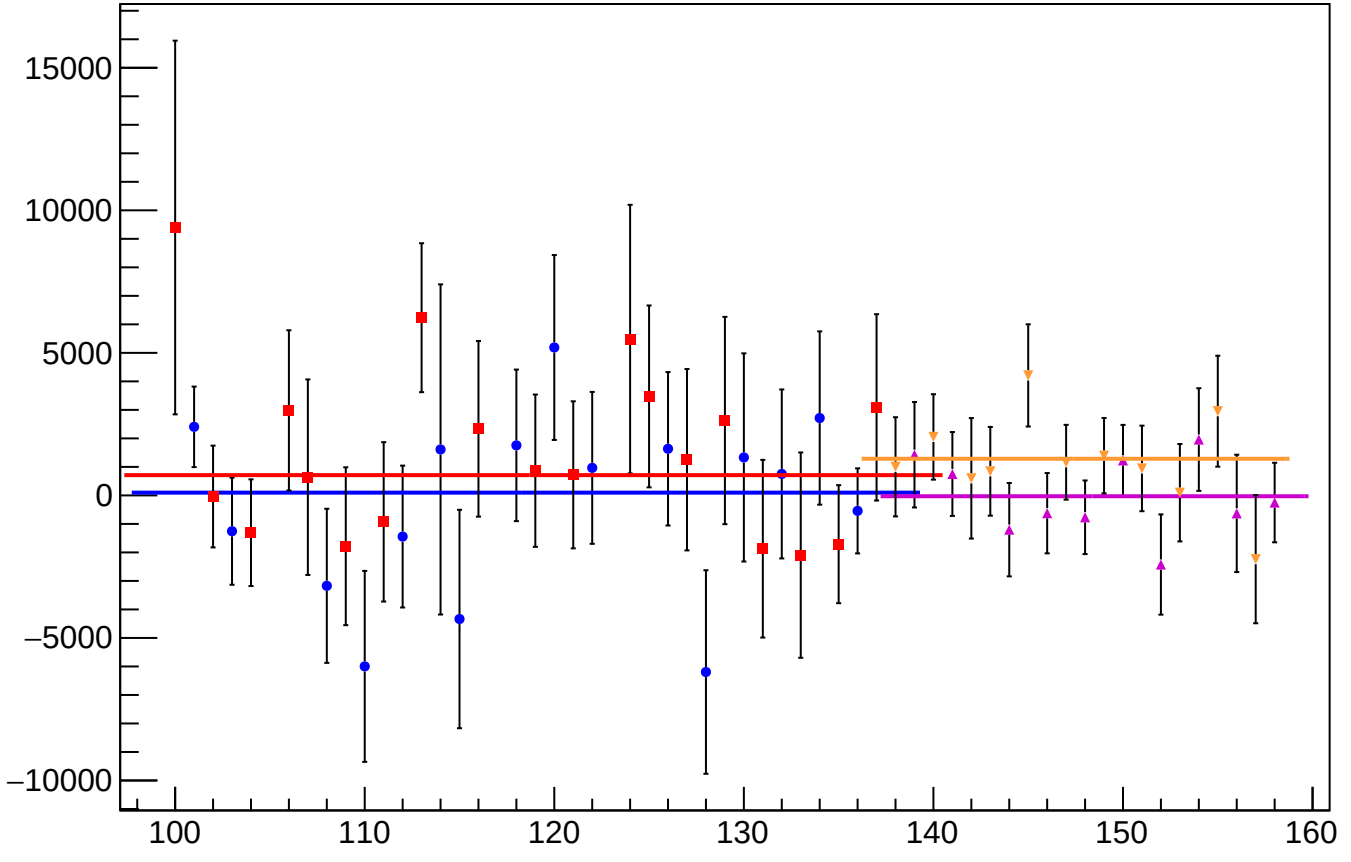
Left In: 1096.148+/-0.262 χ^2/NDF:2679.4/9

+ sign 1098.157+/-0.195 χ^2/NDF: 15776.2/26

All: 1099.055+/-0.137 χ^2/NDF: 27495.8/55

- sign 1099.938+/-0.193 χ^2/NDF: 11677.3/28

asym_usr_overload_cor_correction_mean vs Slug



Right In: 97.435+/-618.876 χ^2/NDF: 17.2/15

Left Out: 1285.426+/-492.352 χ^2/NDF:6.9/10

Right Out: 711.287+/-637.587 χ^2/NDF: 14.9/18

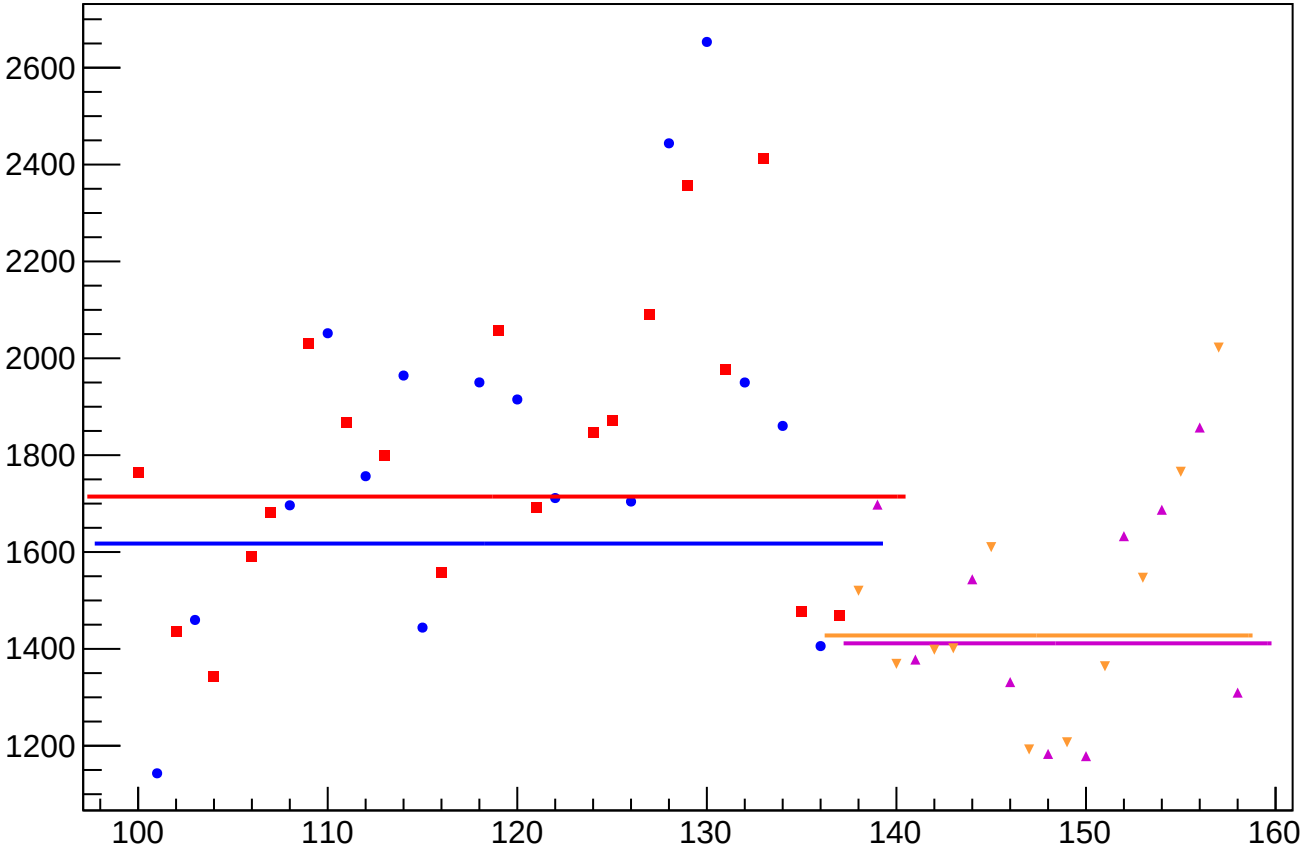
Left In: -29.024+/-484.685 χ^2/NDF:6.1/9

+ sign 824.964+/-385.296 χ^2/NDF: 26.4/26

All: 533.957+/-272.642 χ^2/NDF: 49.4/55

- sign 242.107+/-385.853 χ^2/NDF: 21.9/28

asym_usr_overload_cor_correction_rms vs Slug



Right In: 1617.491+/-0.438 χ^2/NDF: 691725.3/15

Left Out: 1427.746+/-0.348 χ^2/NDF:363807.1/10

Right Out: 1714.508+/-0.451 χ^2/NDF: 427709.9/18

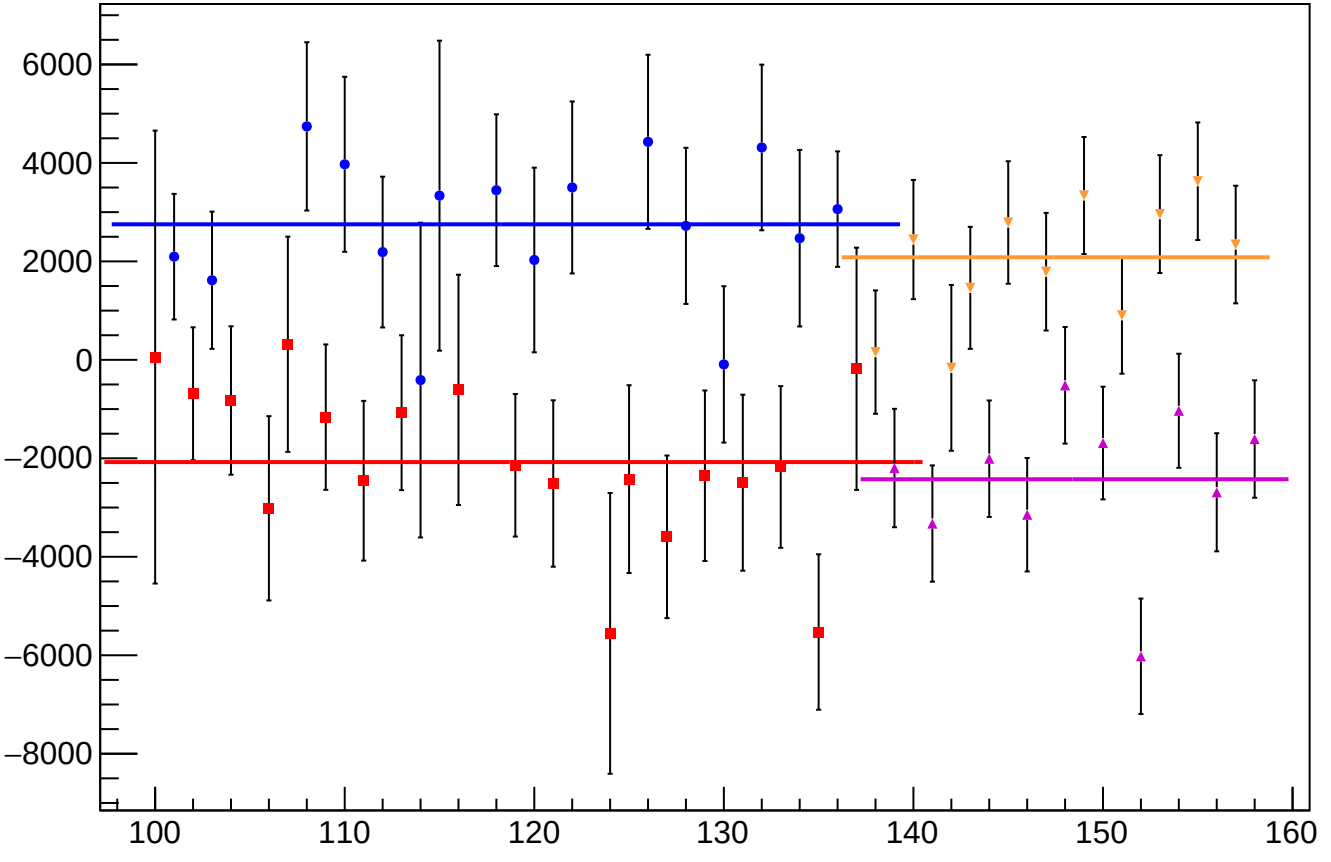
Left In: 1411.476+/-0.343 χ^2/NDF:383904.2/9

+ sign 1501.291+/-0.272 χ^2/NDF: 1170665.6/26

All: 1511.859+/-0.193 χ^2/NDF: 2271613.5/55

- sign 1522.458+/-0.273 χ^2/NDF: 1097934.0/28

eigen_cor_asym_usr_mean vs Slug



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 2083.289+/-372.946 χ^2/NDF:9.2/10

Right Out: -2076.471+/-403.796 χ^2/NDF: 12.5/18

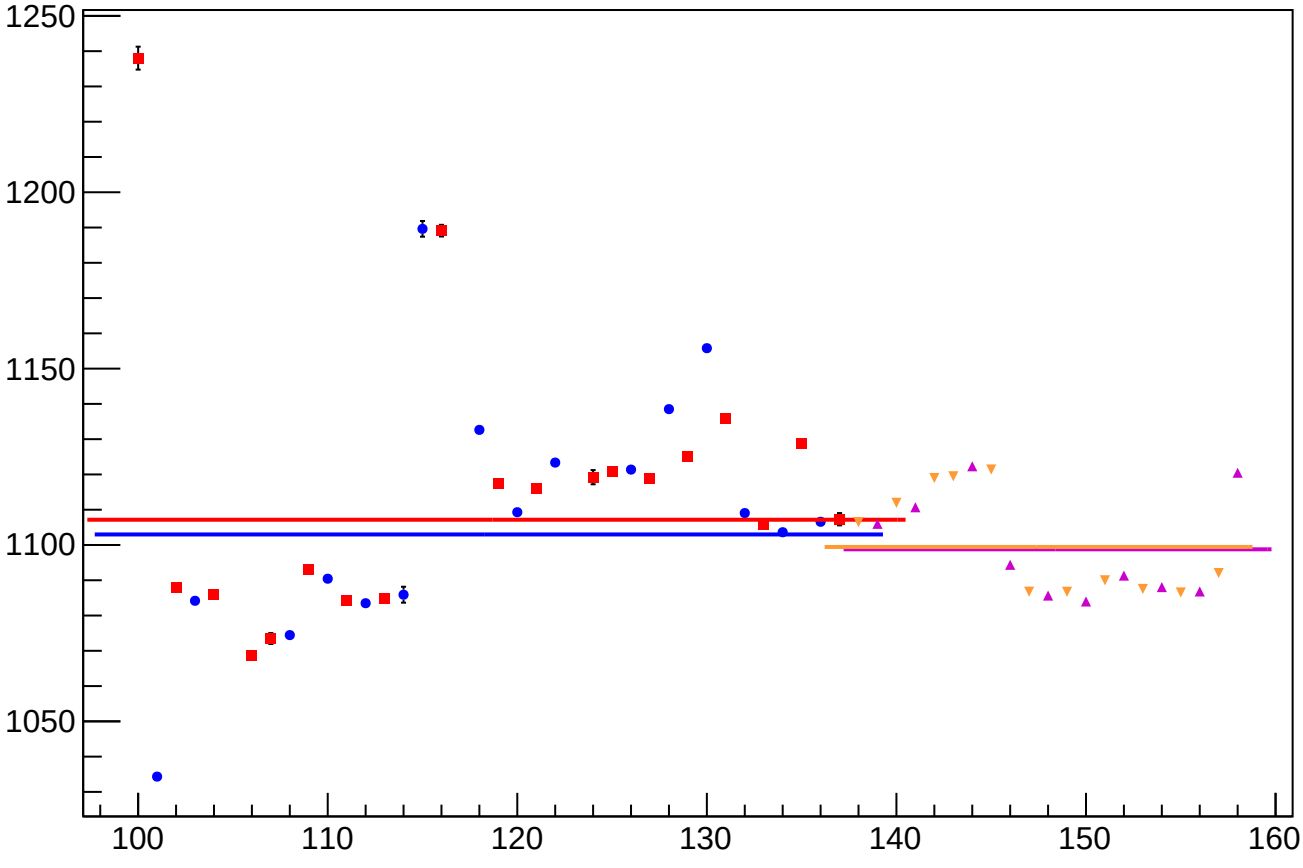
Left In: -2425.055+/-372.013 χ^2/NDF:15.5/9

+ sign 2386.707+/-275.835 χ^2/NDF: 20.2/26

All: 41.925+/-194.250 χ^2/NDF: 192.0/55

- sign -2265.019+/-273.600 χ^2/NDF: 28.5/28

eigen_cor_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1099.440+/-0.264 χ^2/NDF:2781.2/10

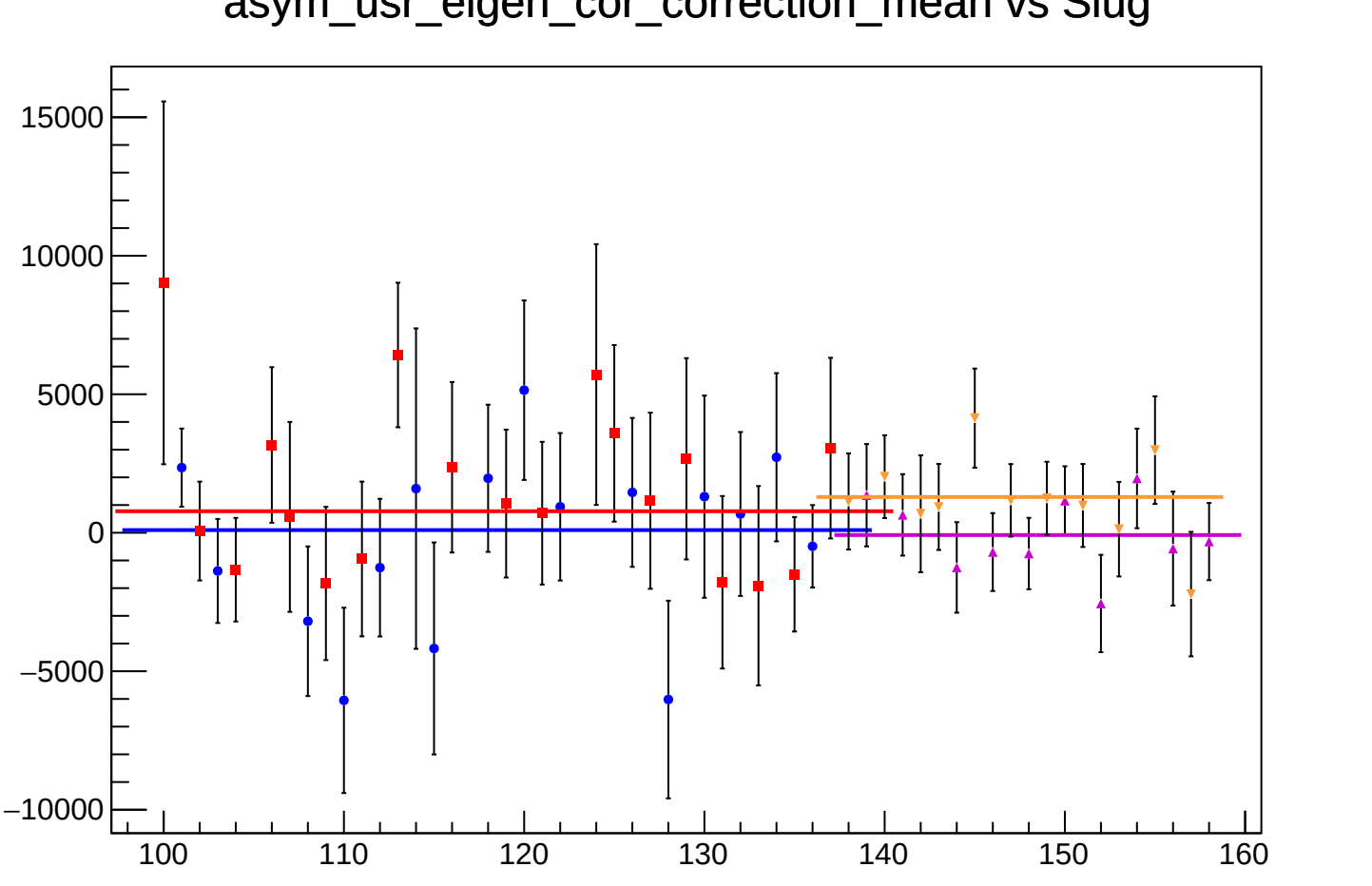
Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1098.773+/-0.263 χ^2/NDF:2790.0/9

+ sign 1101.047+/-0.195 χ^2/NDF: 16086.9/26

All: 1101.842+/-0.137 χ^2/NDF: 28059.8/55

- sign 1102.623+/-0.193 χ^2/NDF: 11940.0/28



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1290.435+/-491.546 χ^2/NDF:6.6/10

Right Out: 776.996+/-636.966 χ^2/NDF: 15.1/18

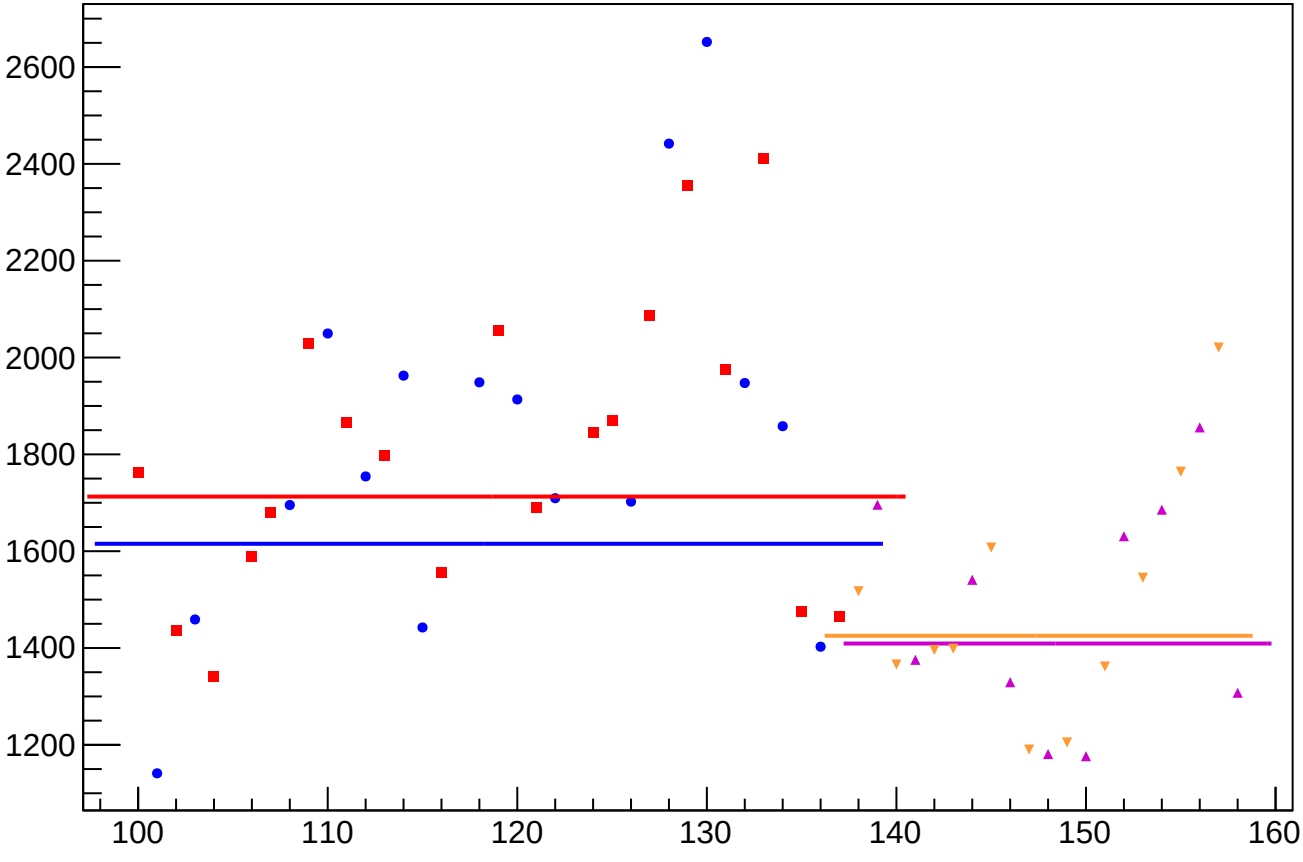
Left In: -82.224+/-483.959 χ^2/NDF:6.2/9

+ sign 827.671+/-384.721 χ^2/NDF: 25.8/26

All: 530.444+/-272.261 χ^2/NDF: 49.4/55

- sign 232.246+/-385.349 χ^2/NDF: 22.4/28

asym_usr_eigen_cor_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1425.311+/-0.348 χ^2/NDF:365258.4/10

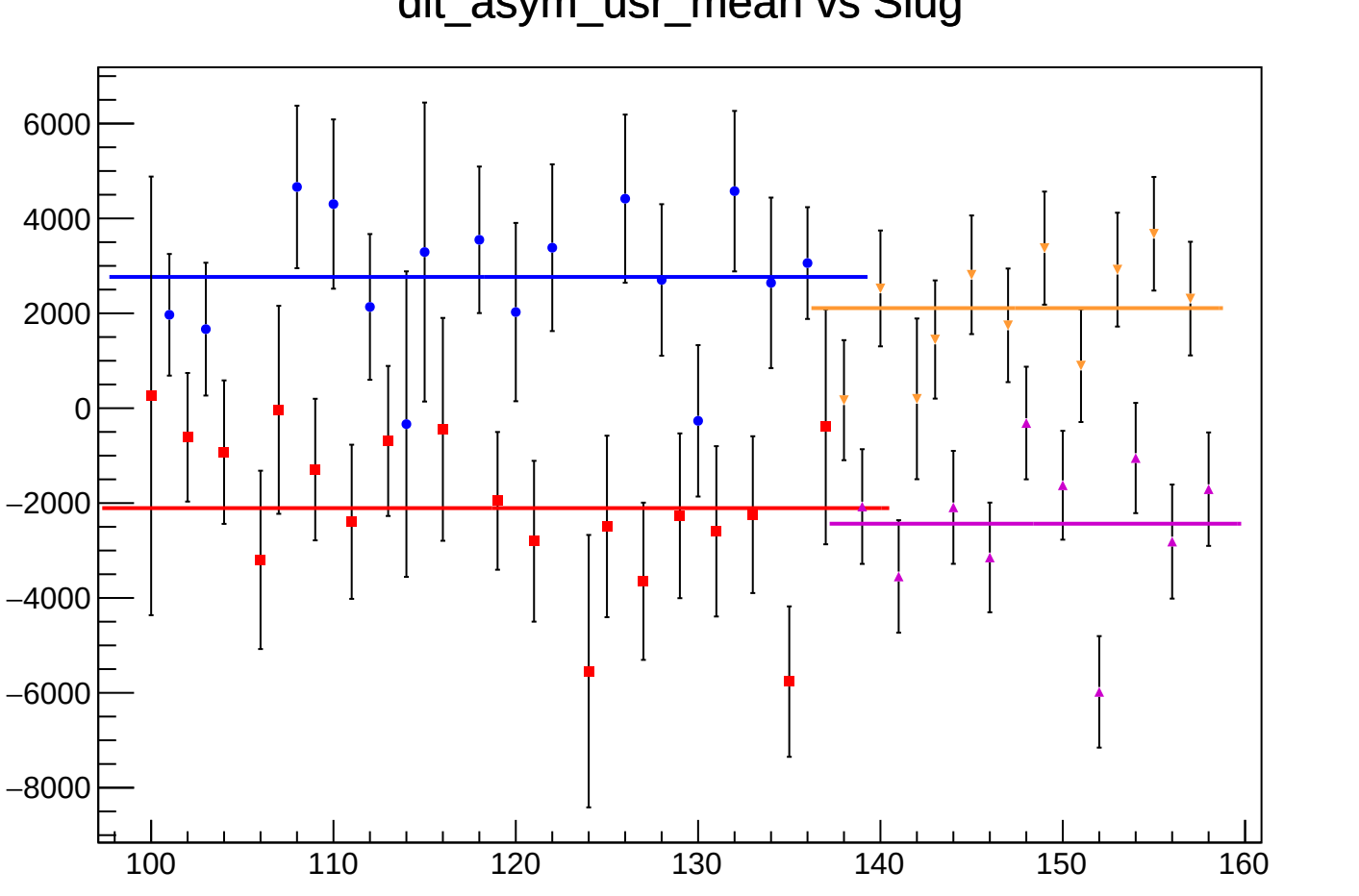
Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1409.282+/-0.342 χ^2/NDF:385399.9/9

+ sign 1498.923+/-0.272 χ^2/NDF: 1174662.1/26

All: 1509.628+/-0.193 χ^2/NDF: 2279136.3/55

- sign 1520.368+/-0.272 χ^2/NDF: 1101372.2/28



Right In: 2766.657+/-411.563 χ^2/NDF: 10.3/15

Left Out: 2109.556+/-374.634 χ^2/NDF:8.8/10

Right Out: -2106.358+/-405.586 χ^2/NDF: 13.4/18

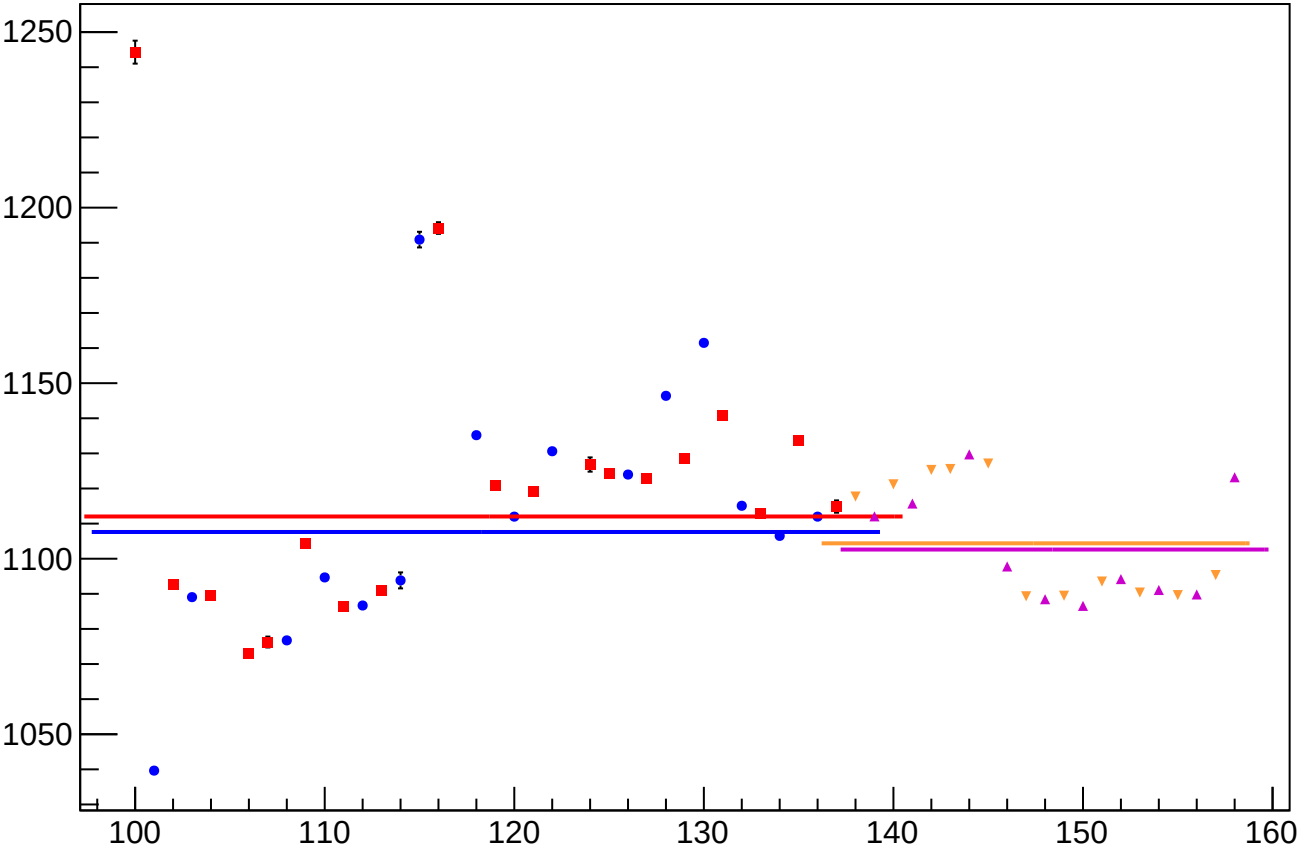
Left In: -2435.046+/-373.322 χ^2/NDF:16.1/9

+ sign 2407.309+/-277.044 χ^2/NDF: 20.5/26

All: 41.386+/-195.058 χ^2/NDF: 195.0/55

- sign -2284.293+/-274.678 χ^2/NDF: 29.8/28

dit_asym_usr_rms vs Slug



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.8/15

Left Out: 1104.383+/-0.265 χ^2/NDF:3632.7/10

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

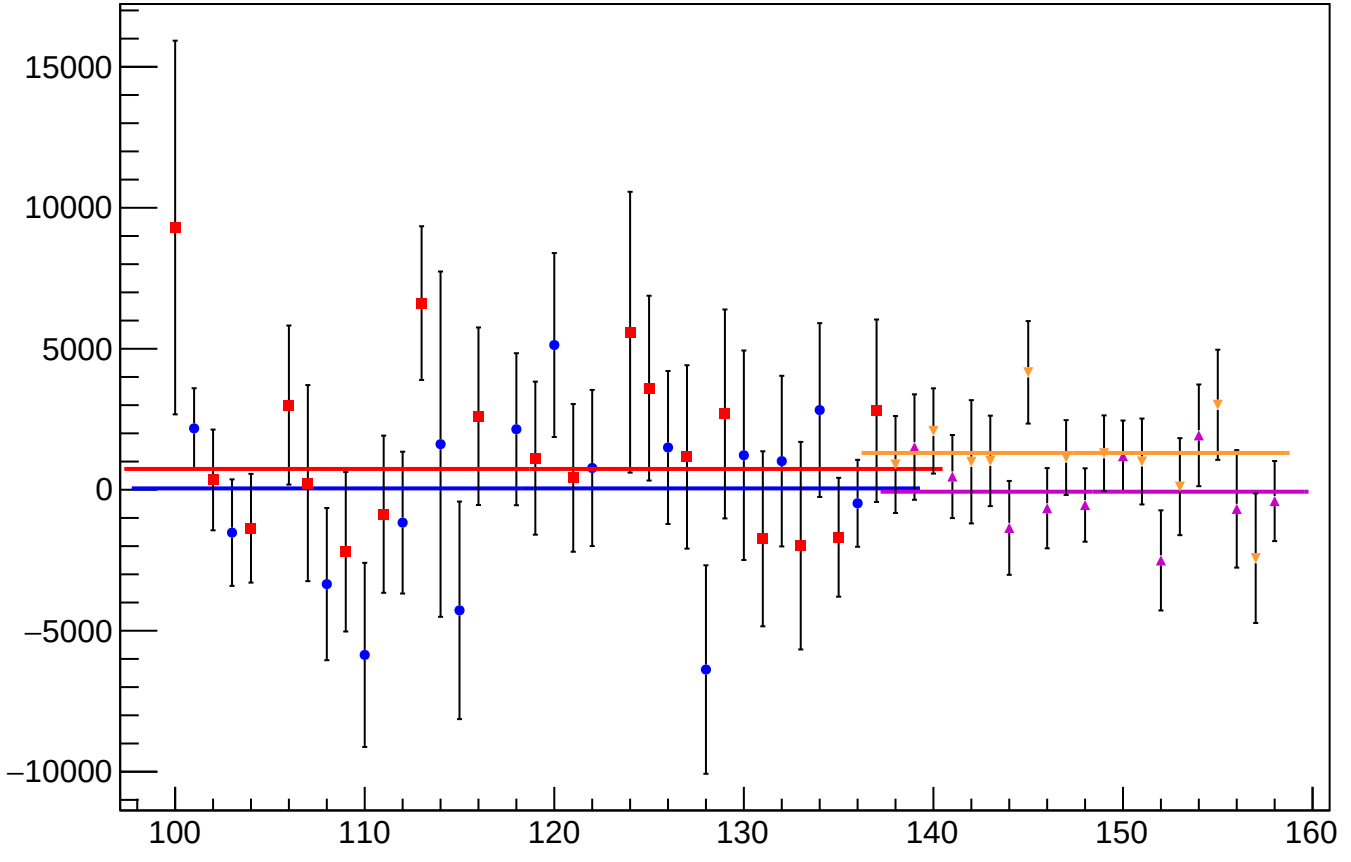
Left In: 1102.613+/-0.264 χ^2/NDF:3232.0/9

+ sign 1105.847+/-0.196 χ^2/NDF: 16920.9/26

All: 1106.394+/-0.138 χ^2/NDF: 29405.5/55

- sign 1106.932+/-0.194 χ^2/NDF: 12469.1/28

asym_usr_dit_correction_mean vs Slug



Right In: 47.817+/-628.060 χ^2/NDF: 16.9/15

Left Out: 1305.388+/-498.734 χ^2/NDF:6.8/10

Right Out: 738.185+/-647.795 χ^2/NDF: 14.9/18

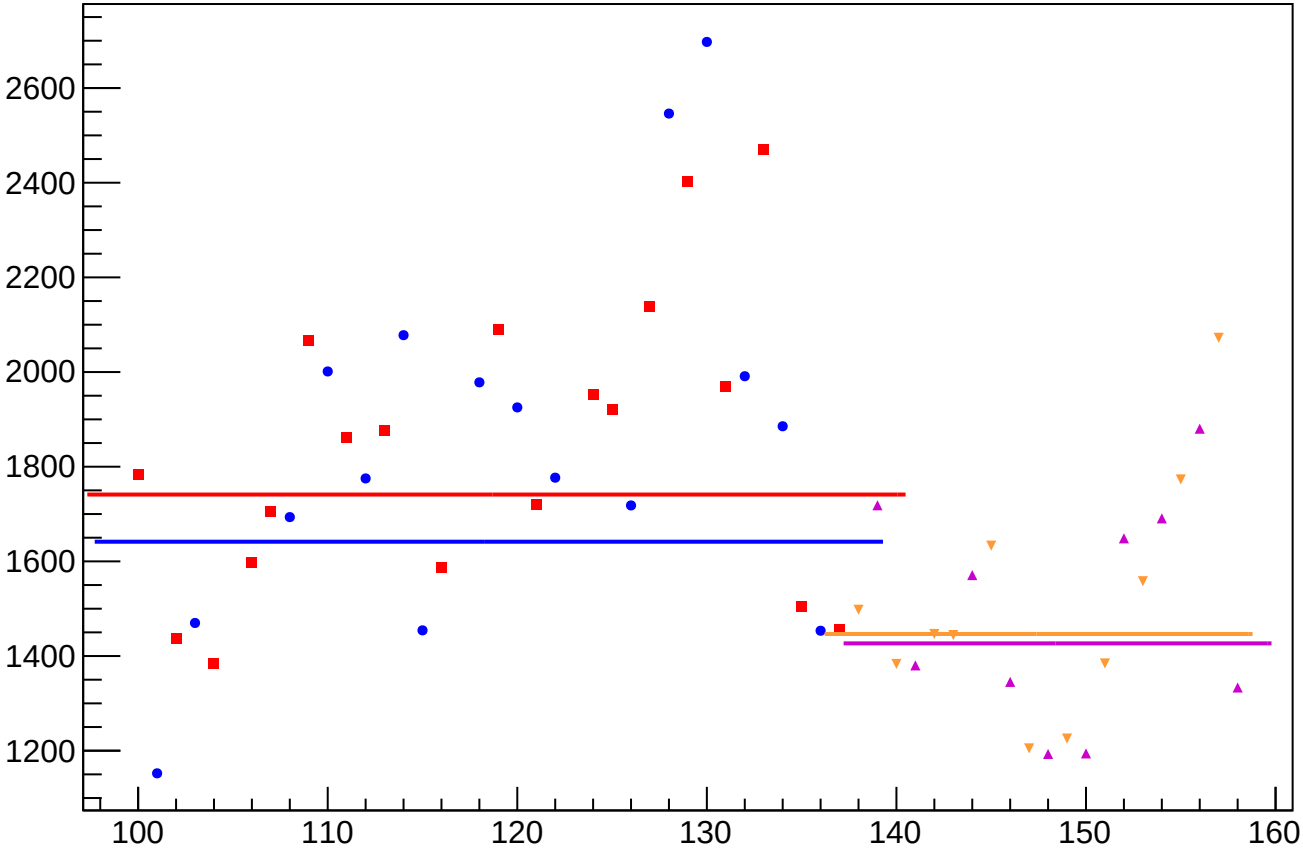
Left In: -69.354+/-489.738 χ^2/NDF:6.0/9

+ sign 819.063+/-390.570 χ^2/NDF: 26.1/26

All: 521.768+/-276.207 χ^2/NDF: 49.2/55

- sign 224.335+/-390.661 χ^2/NDF: 21.9/28

asym_usr_dit_correction_rms vs Slug



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1446.579+/-0.353 χ^2/NDF:362902.3/10

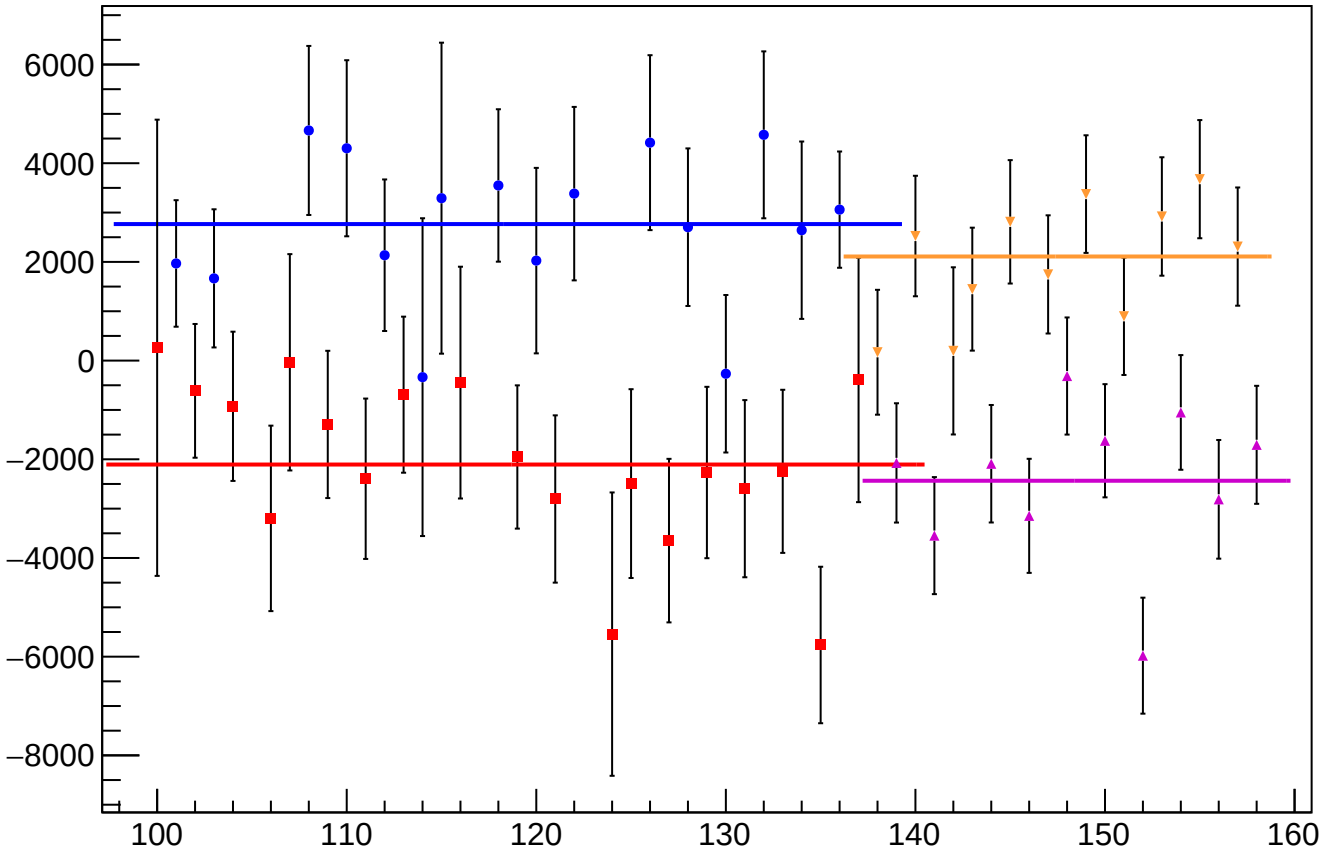
Right Out: 1741.200+/-0.458 χ^2/NDF: 438336.6/18

Left In: 1426.767+/-0.346 χ^2/NDF:382008.5/9

+ sign 1521.973+/-0.276 χ^2/NDF: 1182401.0/26

All: 1531.545+/-0.195 χ^2/NDF: 2304985.0/55

- sign 1541.121+/-0.276 χ^2/NDF: 1120181.0/28



Right In: 2766.656+/-411.563 χ^2/NDF: 10.3/15

Left Out: 2109.555+/-374.634 χ^2/NDF:8.8/10

Right Out: -2106.360+/-405.586 χ^2/NDF: 13.4/18

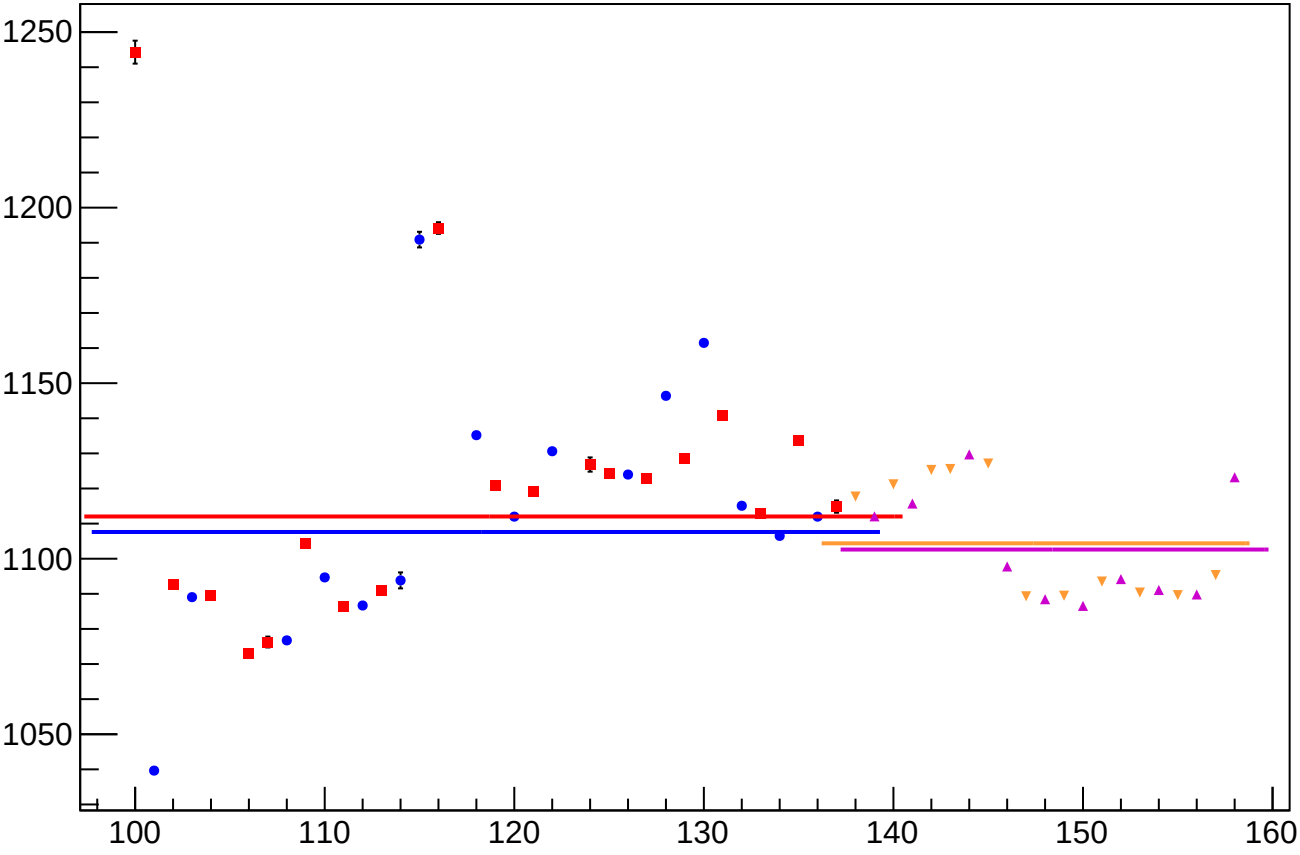
Left In: -2435.046+/-373.322 χ^2/NDF:16.1/9

+ sign 2407.308+/-277.044 χ^2/NDF: 20.5/26

All: 41.385+/-195.058 χ^2/NDF: 195.0/55

- sign -2284.295+/-274.677 χ^2/NDF: 29.8/28

eigen_dit_asym_usr_rms vs Slug



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1104.383+/-0.265 χ^2/NDF:3632.7/10

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

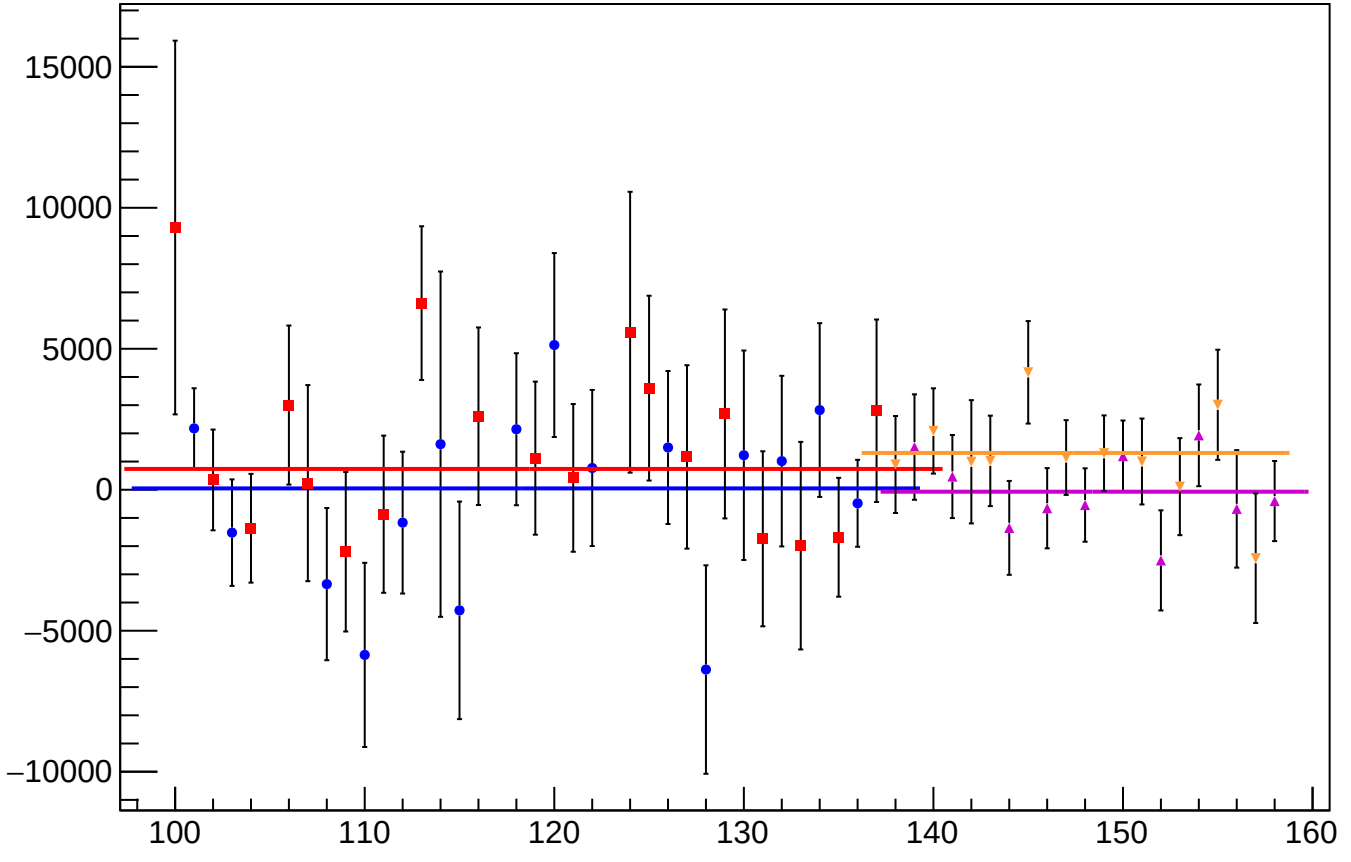
Left In: 1102.613+/-0.264 χ^2/NDF:3232.0/9

+ sign 1105.847+/-0.196 χ^2/NDF: 16920.7/26

All: 1106.394+/-0.138 χ^2/NDF: 29405.3/55

- sign 1106.932+/-0.194 χ^2/NDF: 12469.1/28

asym_usr_eigen_dit_correction_mean vs Slug



Right In: 47.813+/-628.059 χ^2/NDF: 16.9/15

Left Out: 1305.388+/-498.735 χ^2/NDF:6.8/10

Right Out: 738.188+/-647.795 χ^2/NDF: 14.9/18

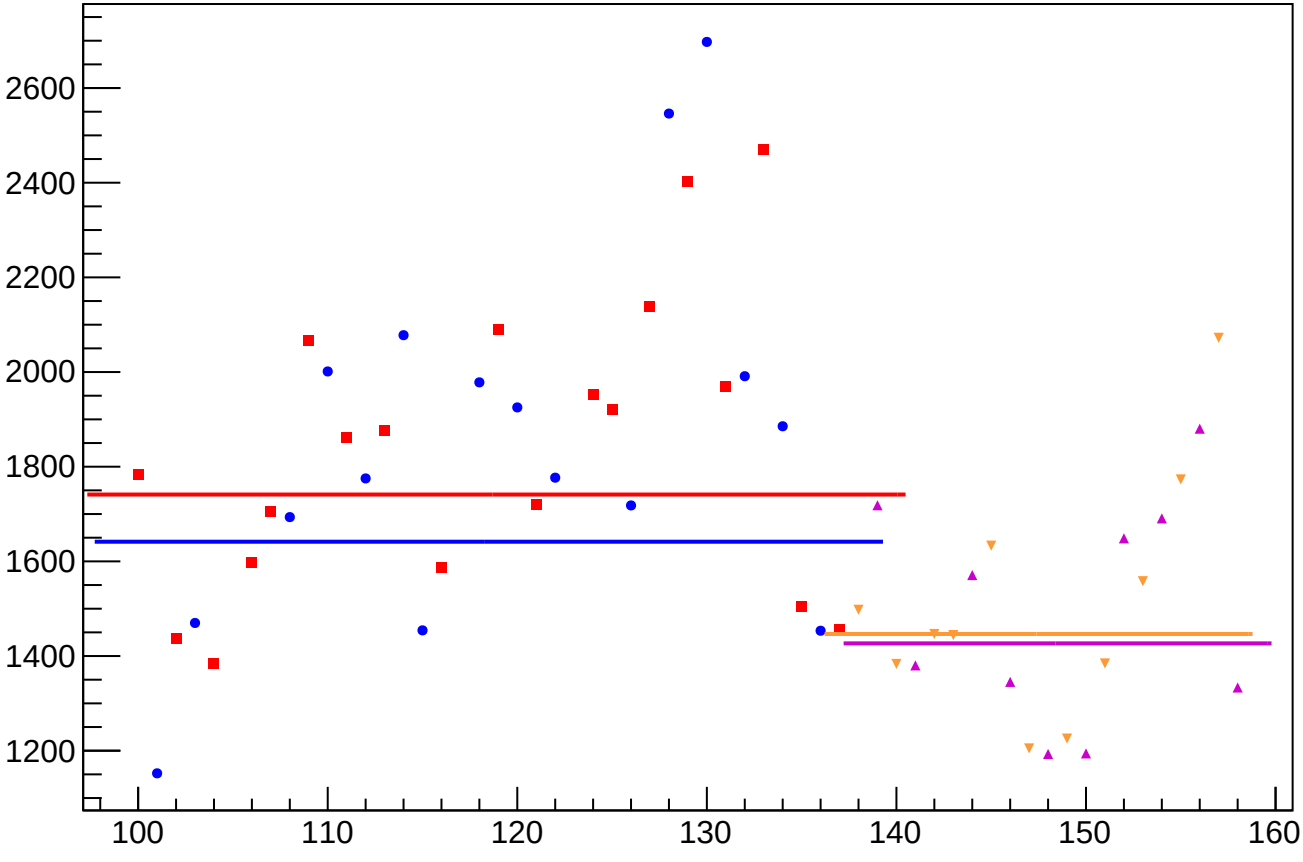
Left In: -69.355+/-489.739 χ^2/NDF:6.0/9

+ sign 819.059+/-390.570 χ^2/NDF: 26.1/26

All: 521.768+/-276.207 χ^2/NDF: 49.2/55

- sign 224.337+/-390.661 χ^2/NDF: 21.9/28

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1446.583+/-0.353 χ^2/NDF:362906.9/10

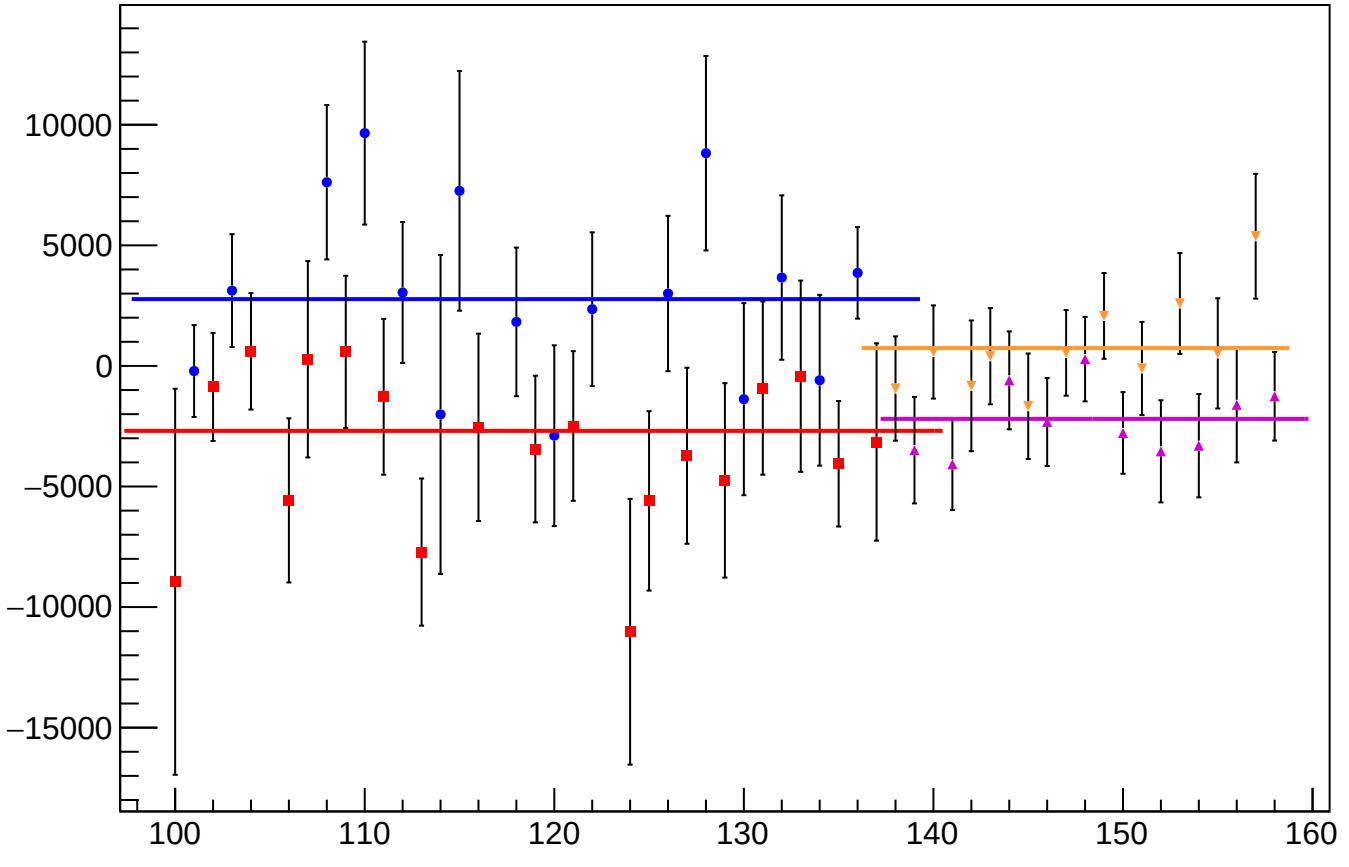
Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1426.770+/-0.346 χ^2/NDF:382013.5/9

+ sign 1521.975+/-0.276 χ^2/NDF: 1182387.1/26

All: 1531.547+/-0.195 χ^2/NDF: 2304954.9/55

- sign 1541.123+/-0.276 χ^2/NDF: 1120164.7/28



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: 740.596+/-626.304 χ^2/NDF:7.0/10

Right Out: -2692.625+/-765.754 χ^2/NDF: 12.5/18

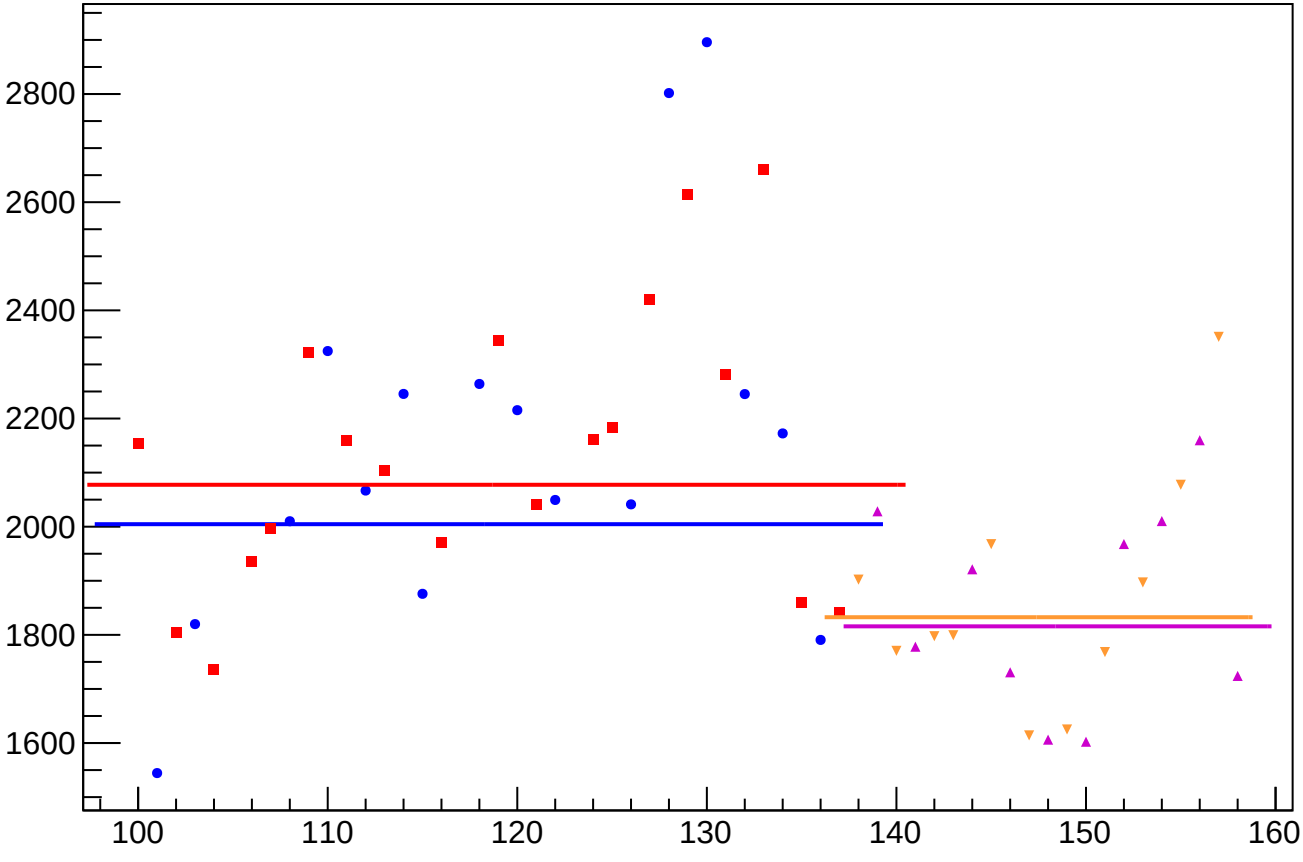
Left In: -2196.316+/-618.402 χ^2/NDF:5.1/9

+ sign 1565.094+/-482.585 χ^2/NDF: 27.7/26

All: -419.632+/-340.716 χ^2/NDF: 79.2/55

- sign -2392.228+/-481.109 χ^2/NDF: 17.9/28

asym_usr_rms vs Slug



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1832.624+/-0.443 χ^2/NDF:177501.1/10

Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

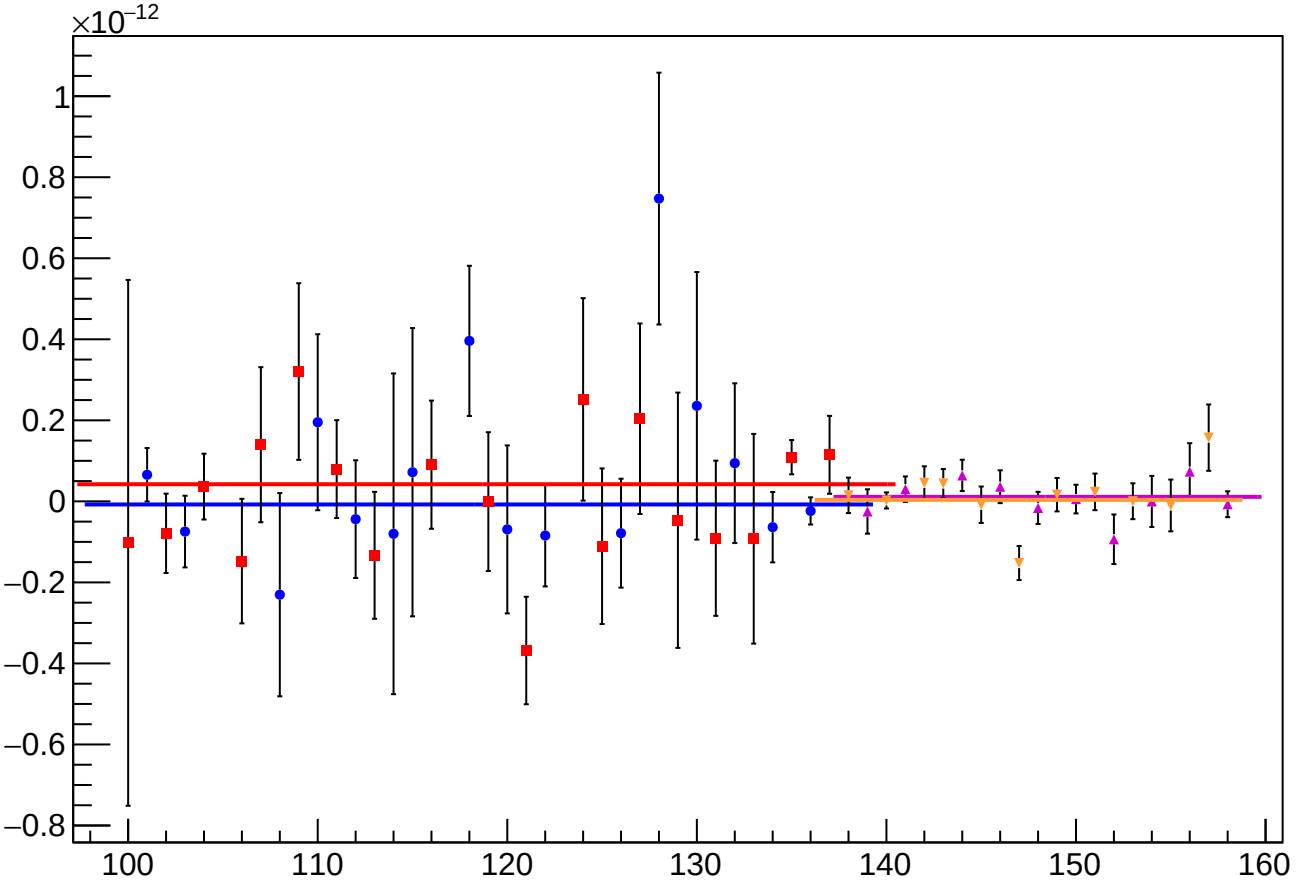
Left In: 1815.745+/-0.437 χ^2/NDF:162805.9/9

+ sign 1902.509+/-0.341 χ^2/NDF: 626360.8/26

All: 1910.815+/-0.241 χ^2/NDF: 1162274.6/55

- sign 1919.069+/-0.340 χ^2/NDF: 534732.7/28

asym_usr_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.1/10

Right Out: 0.000+/-0.000 χ^2/NDF: 21.8/18

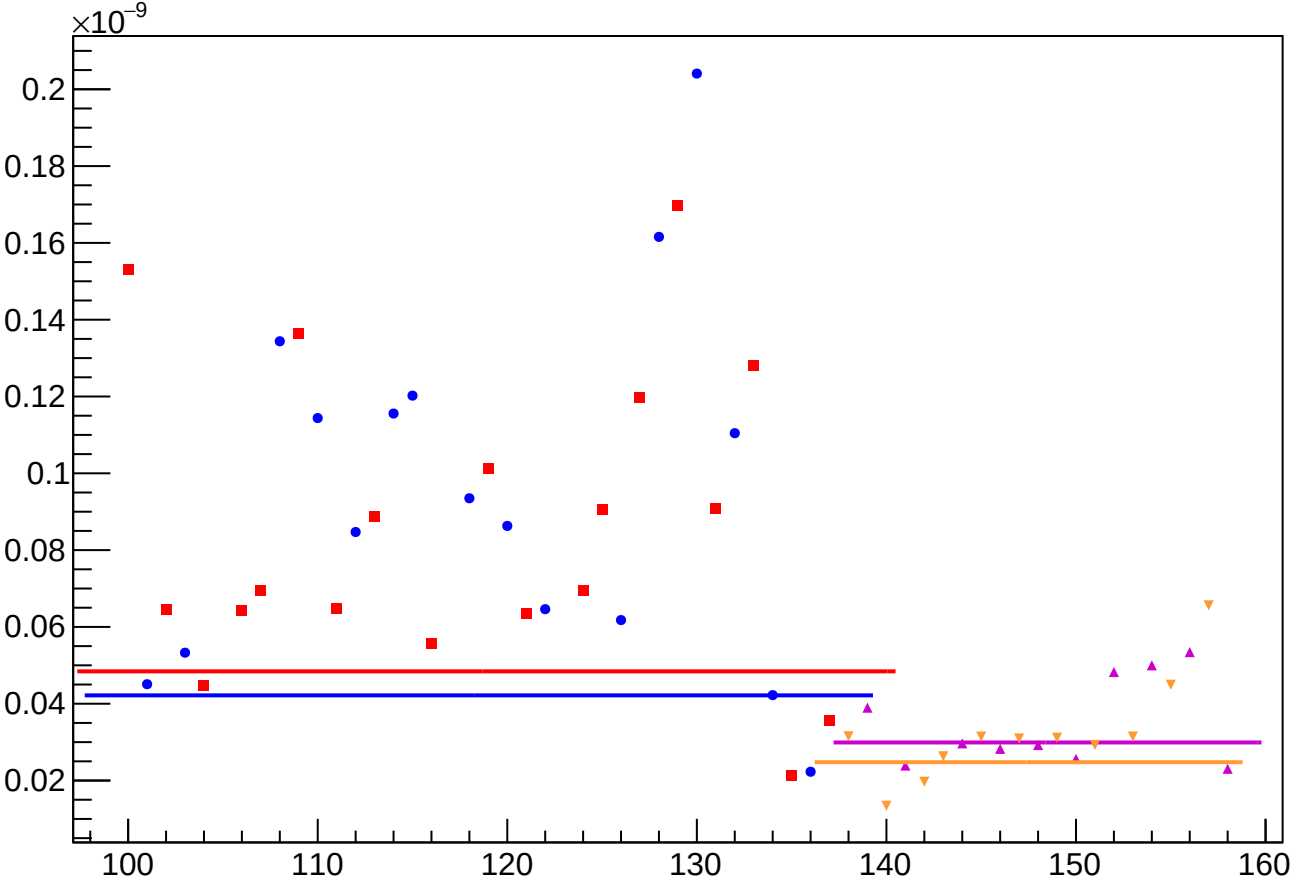
Left In: 0.000+/-0.000 χ^2/NDF:7.6/9

+ sign 0.000+/-0.000 χ^2/NDF: 36.7/26

All: 0.000+/-0.000 χ^2/NDF: 68.2/55

- sign 0.000+/-0.000 χ^2/NDF: 30.5/28

asym_usr_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2933545.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1636265.4/10

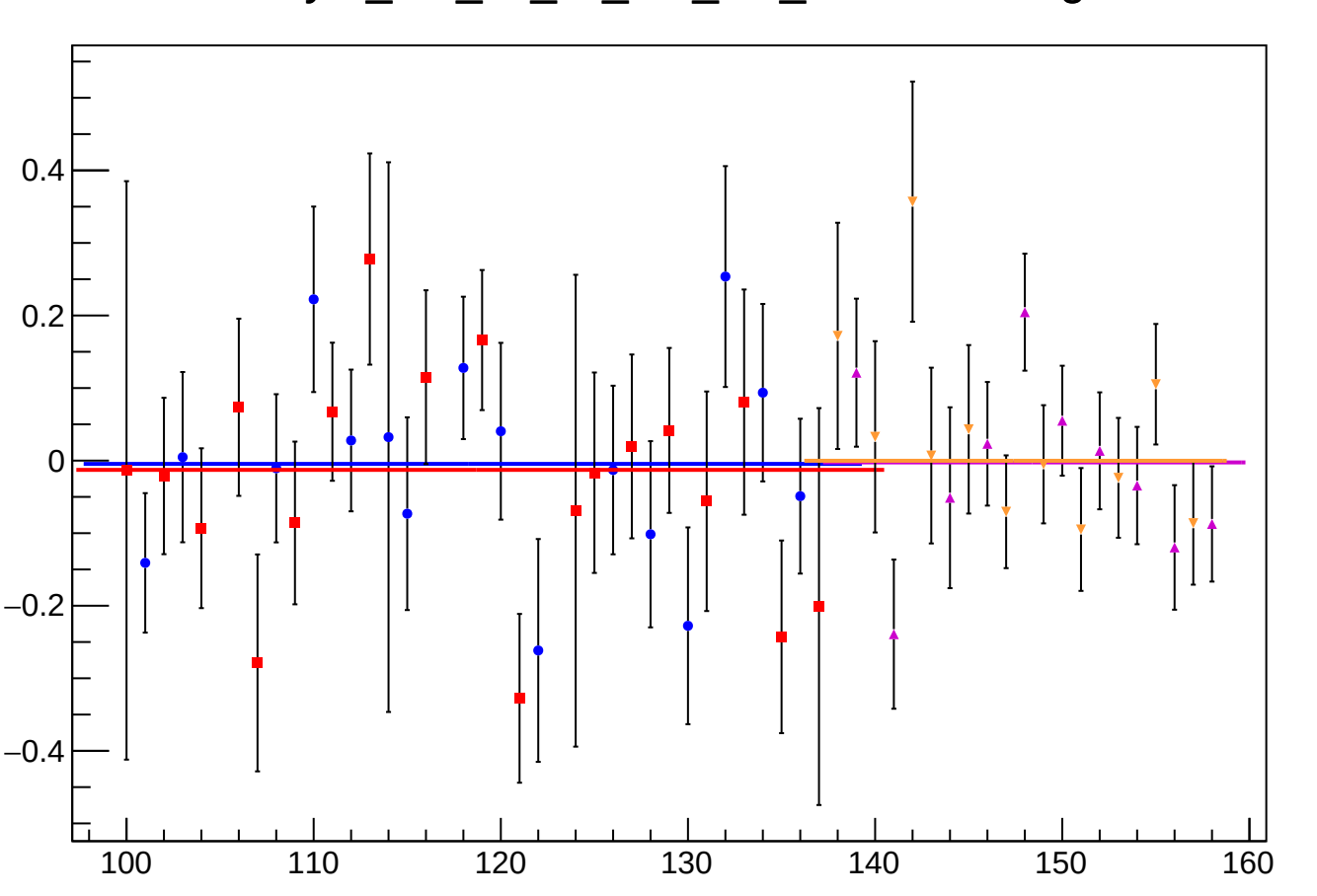
Right Out: 0.000+/-0.000 χ^2/NDF: 2604483.4/18

Left In: 0.000+/-0.000 χ^2/NDF:860084.0/9

+ sign 0.000+/-0.000 χ^2/NDF: 5408341.4/26

All: 0.000+/-0.000 χ^2/NDF: 9874729.0/55

- sign 0.000+/-0.000 χ^2/NDF: 4223648.1/28



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.029 χ^2/NDF:10.9/10

Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

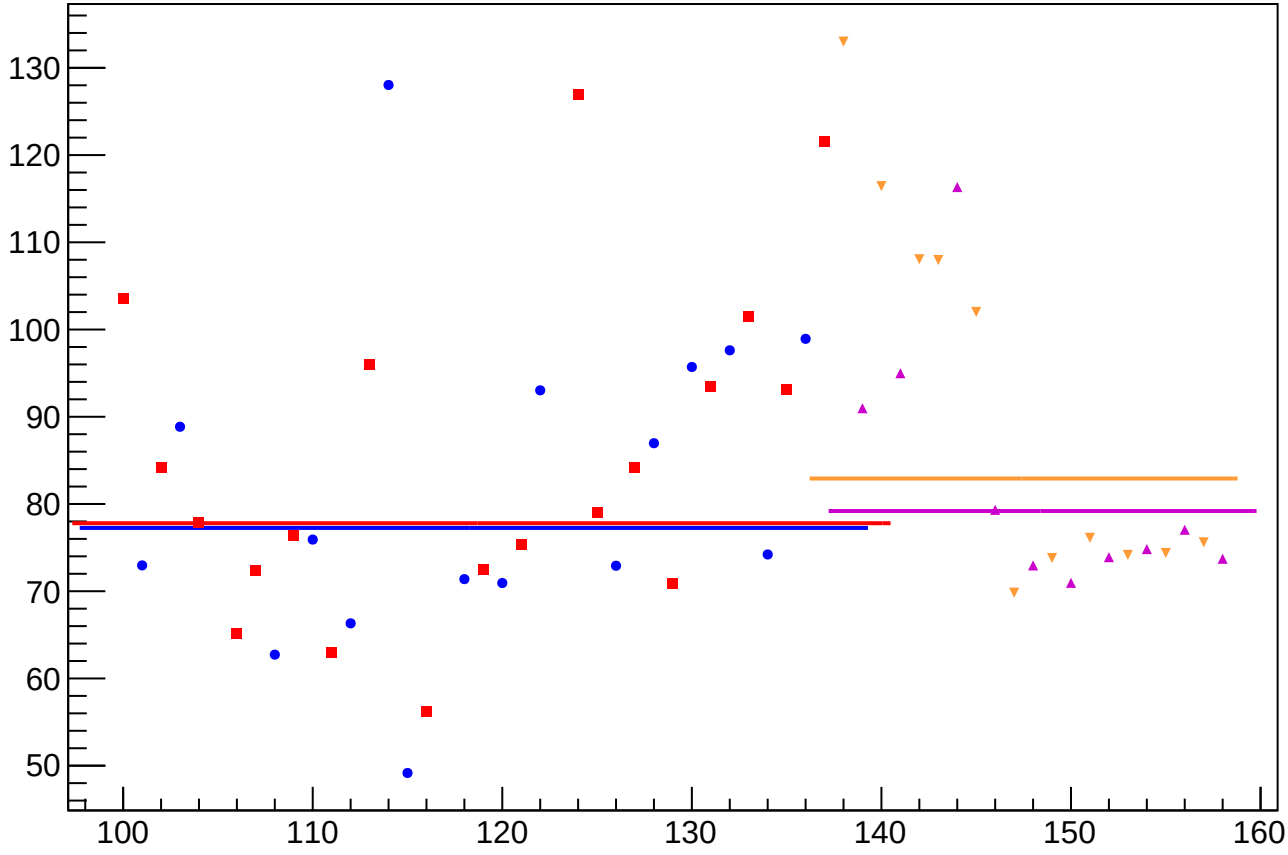
Left In: -0.002+/-0.027 χ^2/NDF:17.4/9

+ sign -0.002+/-0.021 χ^2/NDF: 28.2/26

All: -0.005+/-0.015 χ^2/NDF: 71.1/55

- sign -0.007+/-0.020 χ^2/NDF: 42.9/28

asym_usr_dit_vs_cor_diff_rms vs Slug



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 82.923+/-0.021 χ^2/NDF:674693.1/10

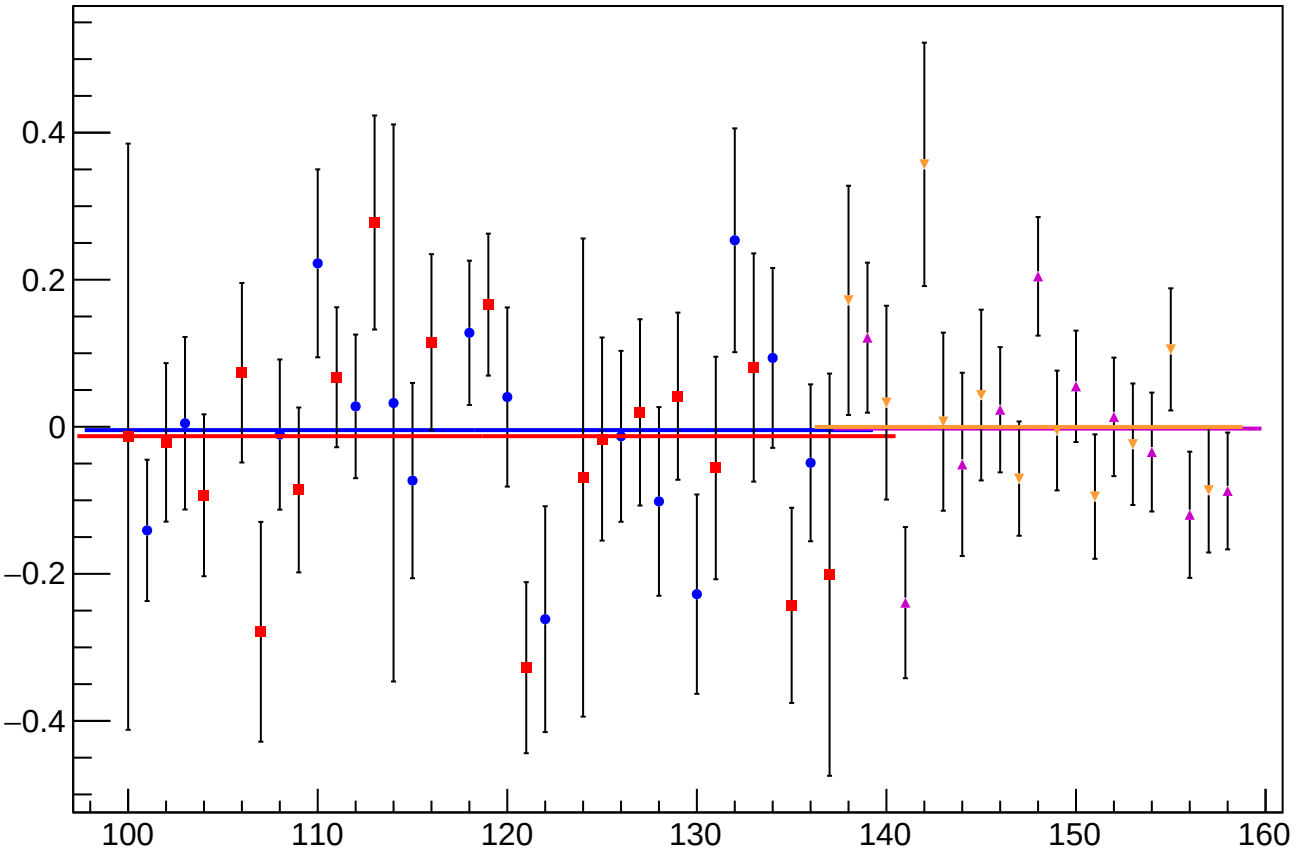
Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 79.197+/-0.019 χ^2/NDF:312353.1/9

+ sign 80.162+/-0.015 χ^2/NDF: 1130396.4/26

All: 79.325+/-0.010 χ^2/NDF: 1847740.5/55

- sign 78.551+/-0.014 χ^2/NDF: 711224.2/28



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.029 χ^2/NDF:10.9/10

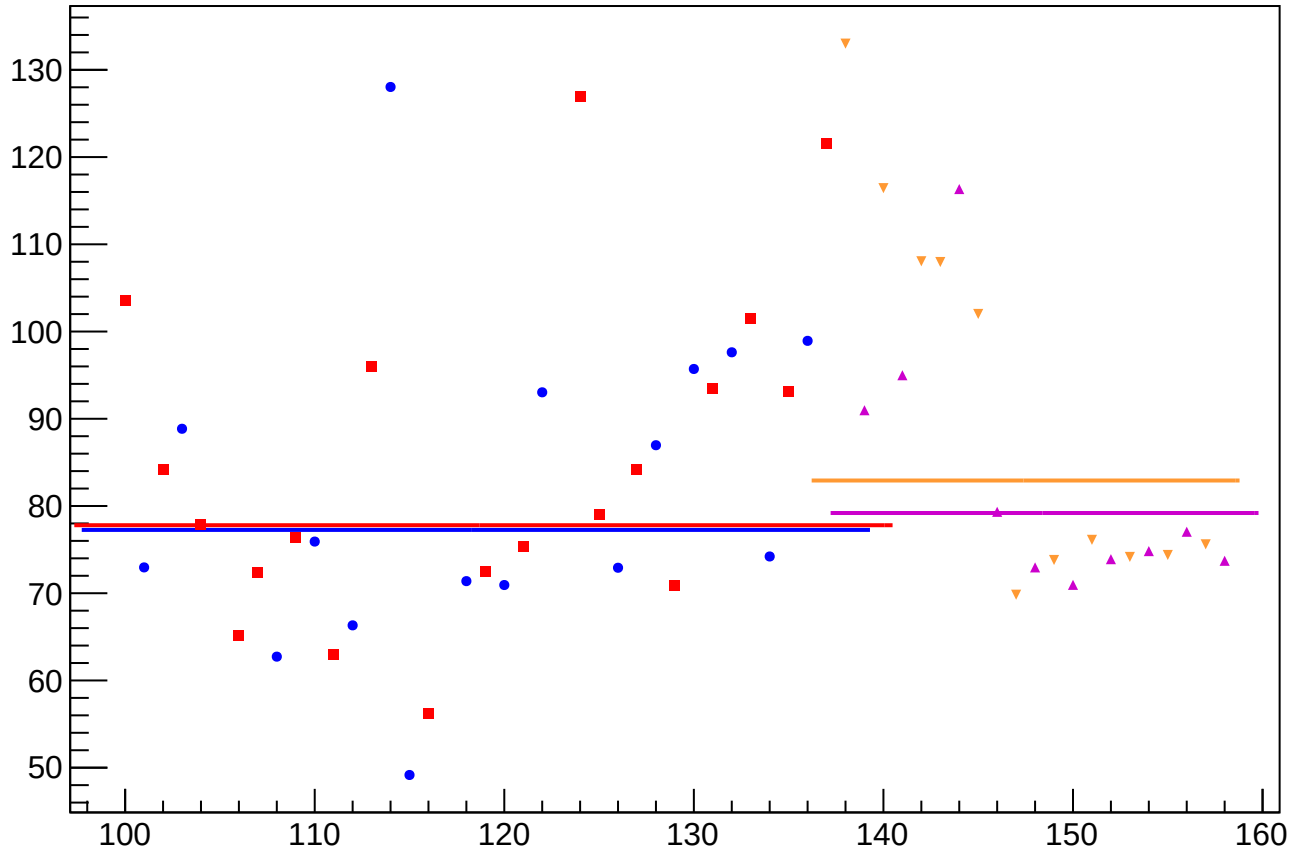
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.002+/-0.027 χ^2/NDF:17.4/9

+ sign -0.002+/-0.021 χ^2/NDF: 28.2/26

All: -0.005+/-0.015 χ^2/NDF: 71.1/55

- sign -0.007+/-0.020 χ^2/NDF: 42.9/28



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 82.923+/-0.021 χ^2/NDF:674693.1/10

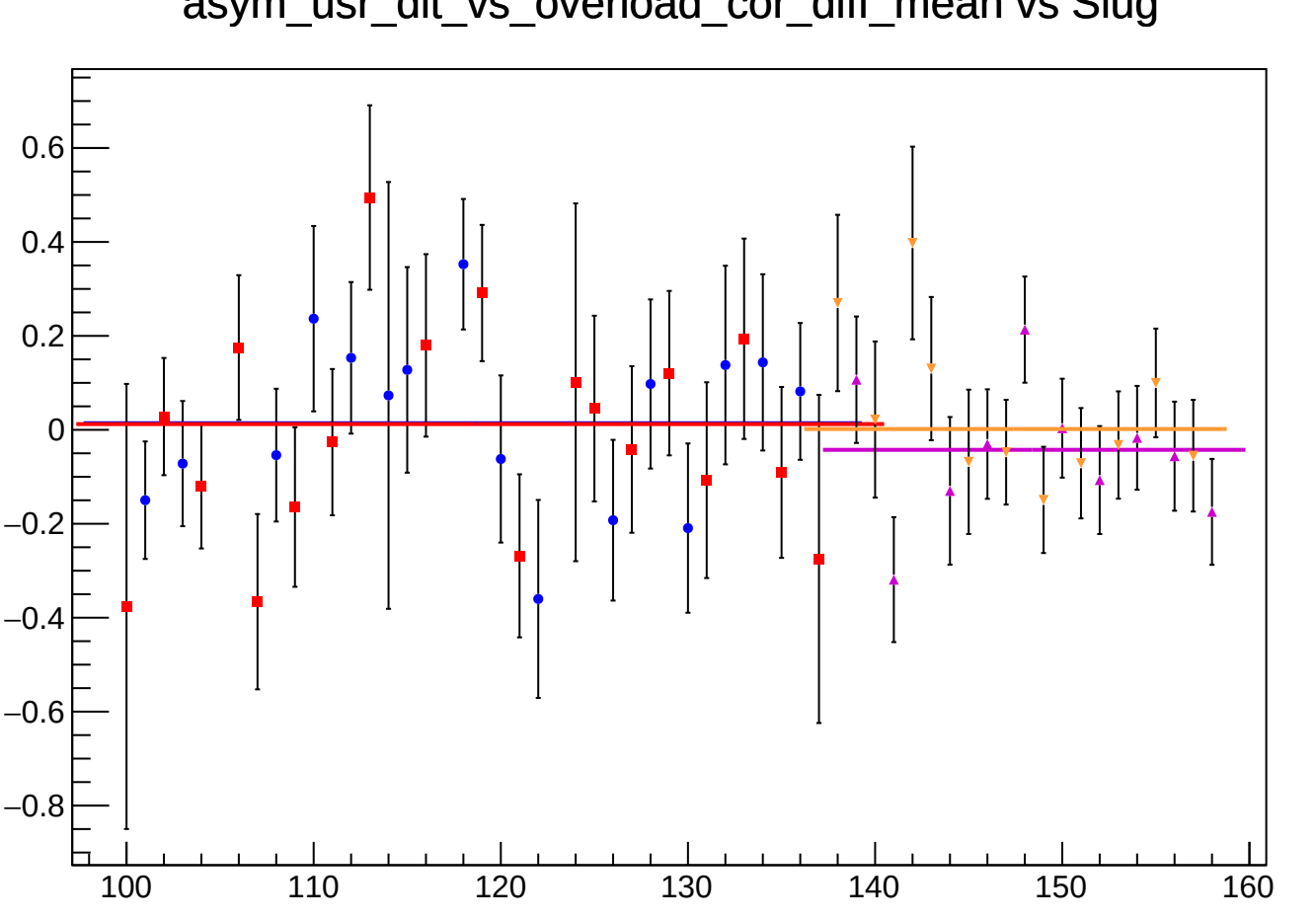
Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

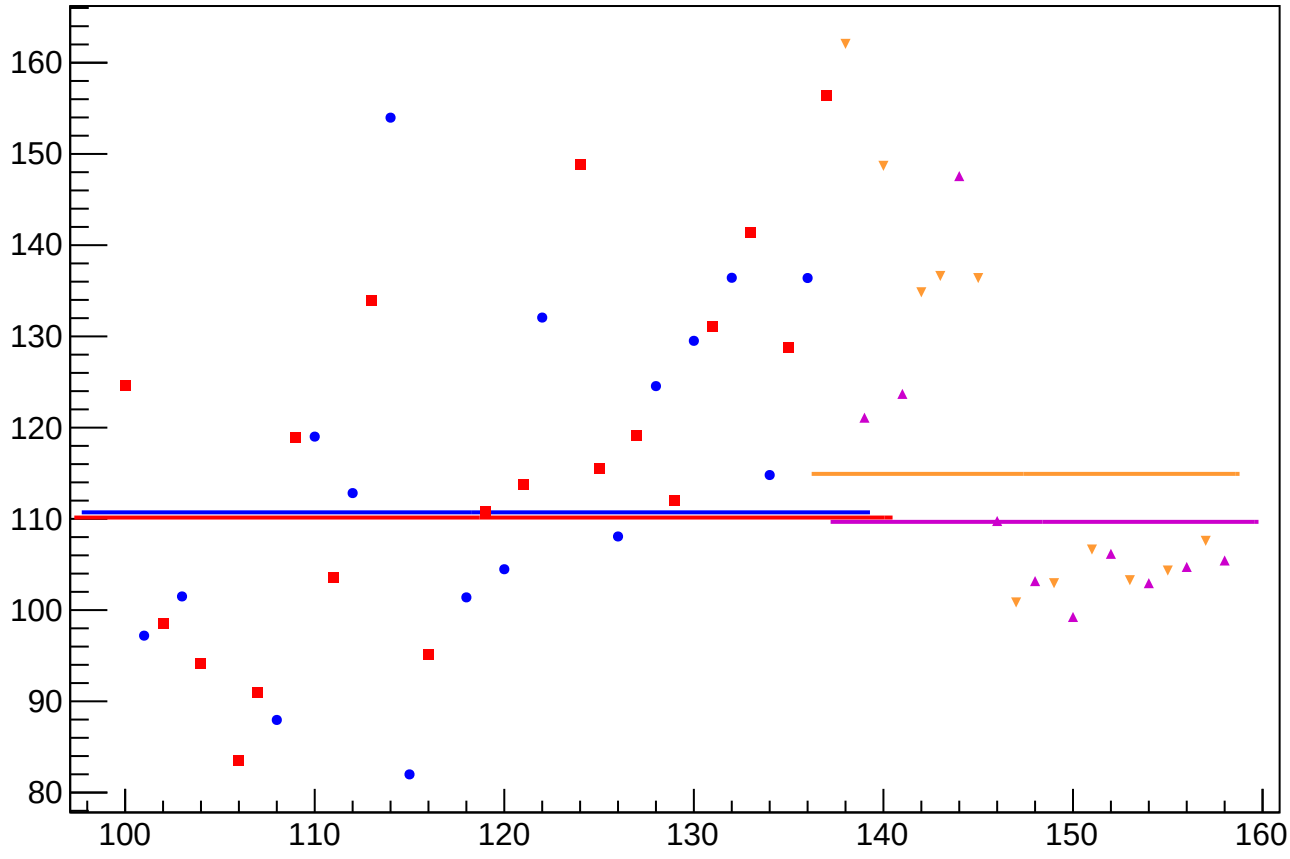
Left In: 79.197+/-0.019 χ^2/NDF:312353.1/9

+ sign 80.162+/-0.015 χ^2/NDF: 1130396.4/26

All: 79.325+/-0.010 χ^2/NDF: 1847740.5/55

- sign 78.551+/-0.014 χ^2/NDF: 711224.2/28


asym_usr_dit_vs_overload_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
Right In: 0.014+/-0.042 χ²/NDF: 18.2/15
Left Out: 0.002+/-0.040 χ²/NDF:10.1/10
Right Out: 0.012+/-0.041 χ²/NDF: 23.8/18
Left In: -0.043+/-0.038 χ²/NDF:12.9/9
+ sign 0.008+/-0.029 χ²/NDF: 28.3/26
All: -0.006+/-0.020 χ²/NDF: 66.4/55
- sign -0.018+/-0.028 χ²/NDF: 37.7/28



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 114.931+/-0.028 χ^2/NDF:416536.5/10

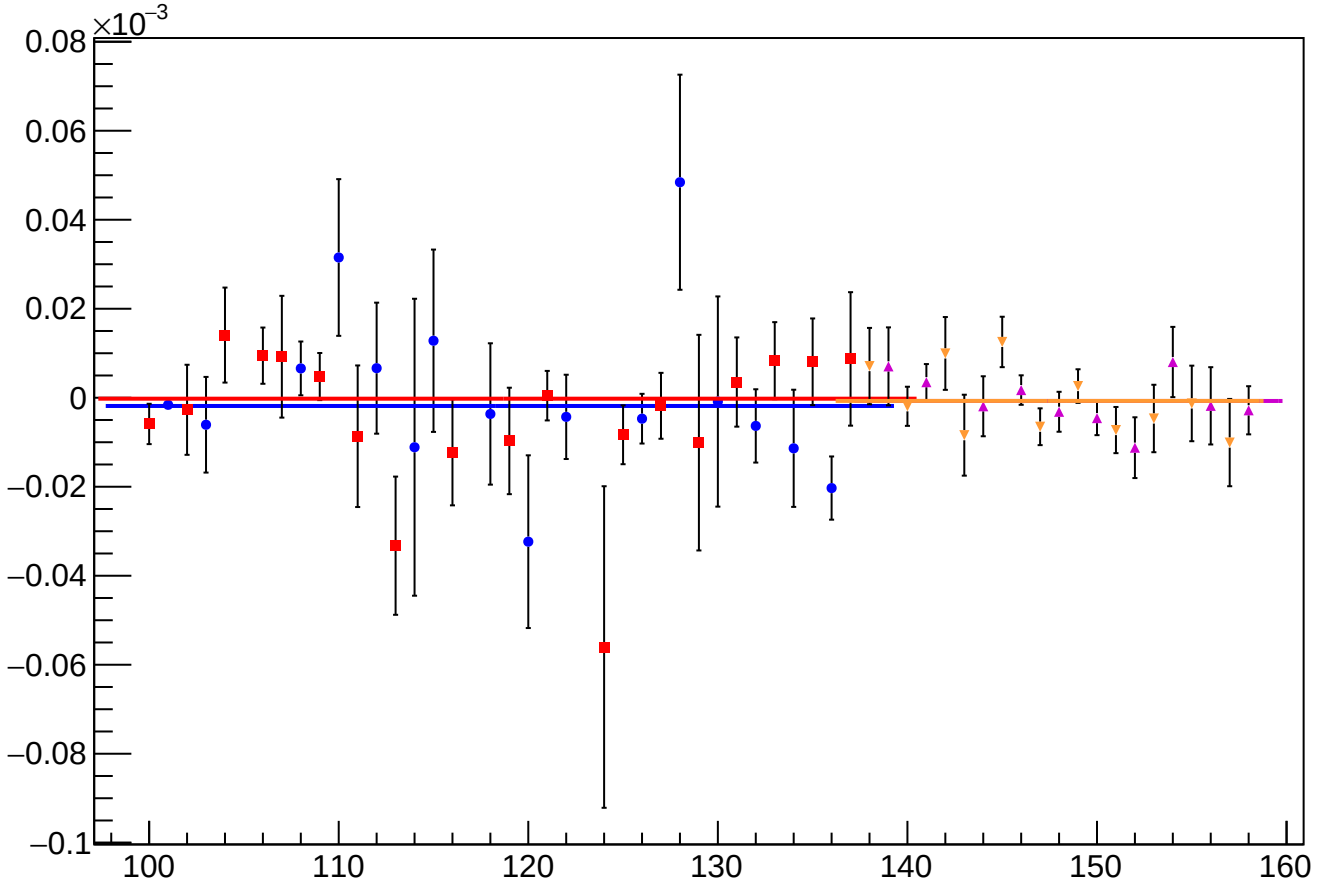
Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 109.672+/-0.027 χ^2/NDF:194748.4/9

+ sign 112.942+/-0.021 χ^2/NDF: 727023.4/26

All: 111.350+/-0.014 χ^2/NDF: 1260182.6/55

- sign 109.887+/-0.020 χ^2/NDF: 521617.8/28



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/10

Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

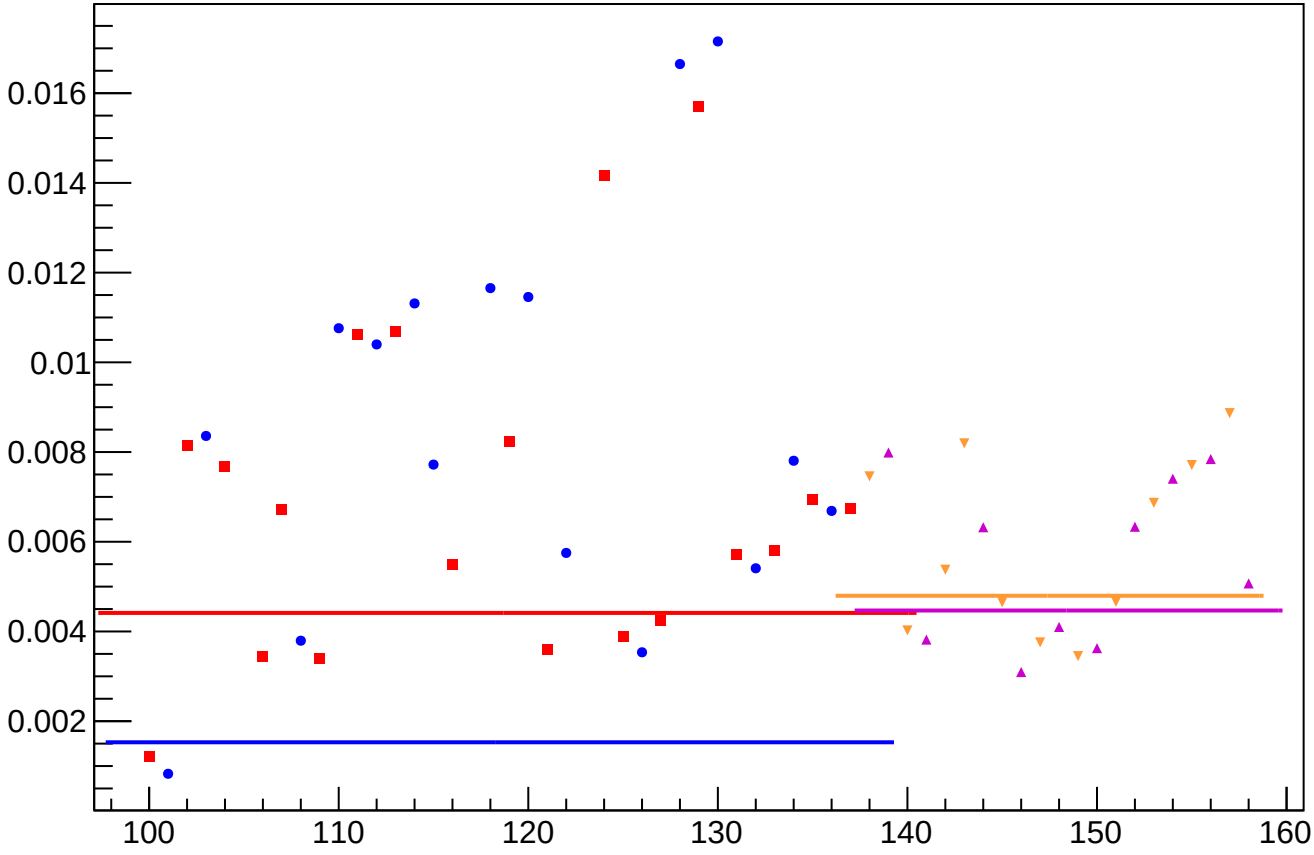
Left In: -0.000+/-0.000 χ^2/NDF:7.5/9

+ sign -0.000+/-0.000 χ^2/NDF: 36.0/26

All: -0.000+/-0.000 χ^2/NDF: 64.0/55

- sign -0.000+/-0.000 χ^2/NDF: 27.4/28

asym_usr_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 9222940.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1656288.9/10

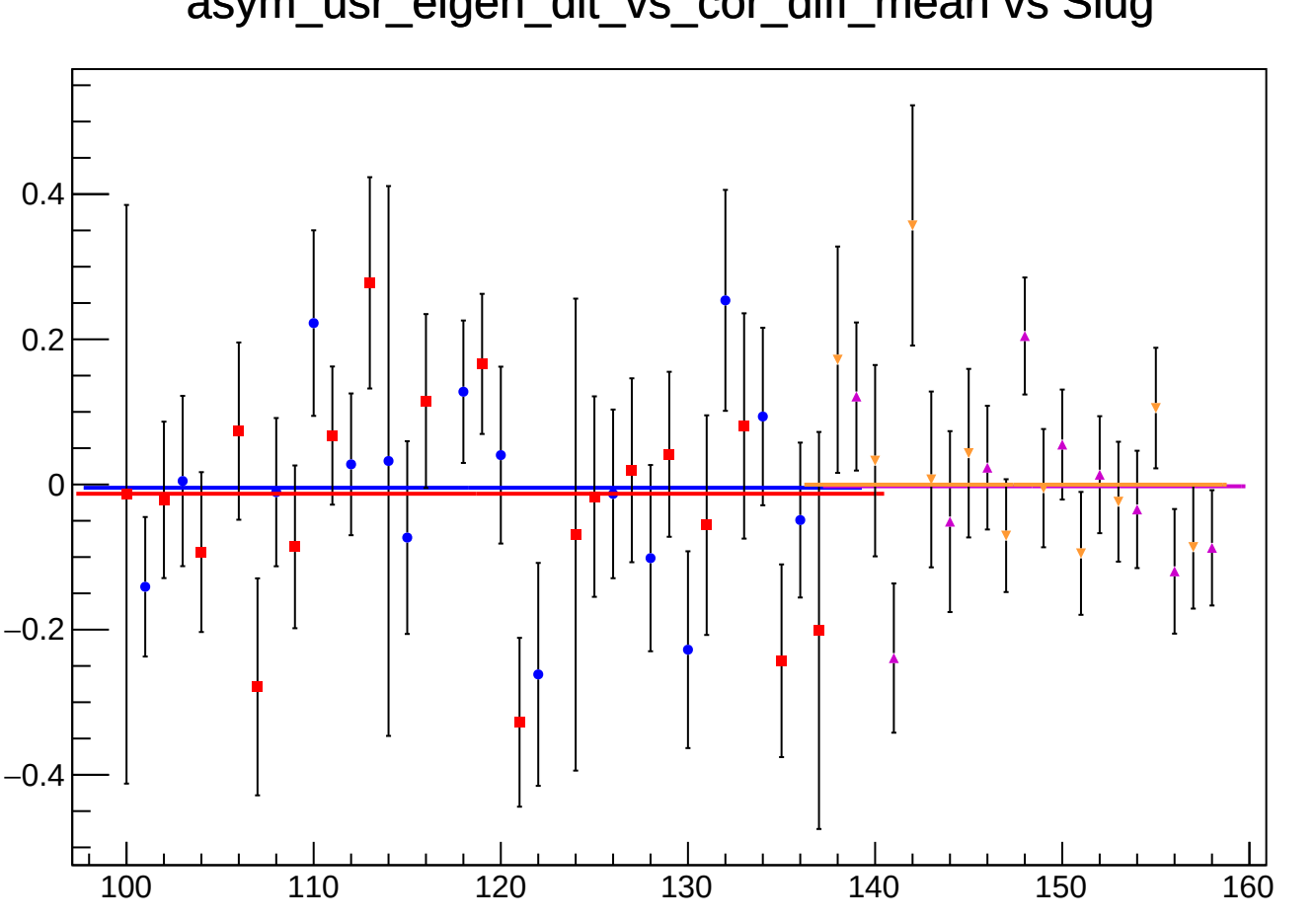
Right Out: 0.004+/-0.000 χ^2/NDF: 3388069.5/18

Left In: 0.004+/-0.000 χ^2/NDF:1731152.6/9

+ sign 0.002+/-0.000 χ^2/NDF: 16257433.2/26

All: 0.003+/-0.000 χ^2/NDF: 25455584.9/55

- sign 0.004+/-0.000 χ^2/NDF: 5120144.1/28



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.029 χ^2/NDF:10.9/10

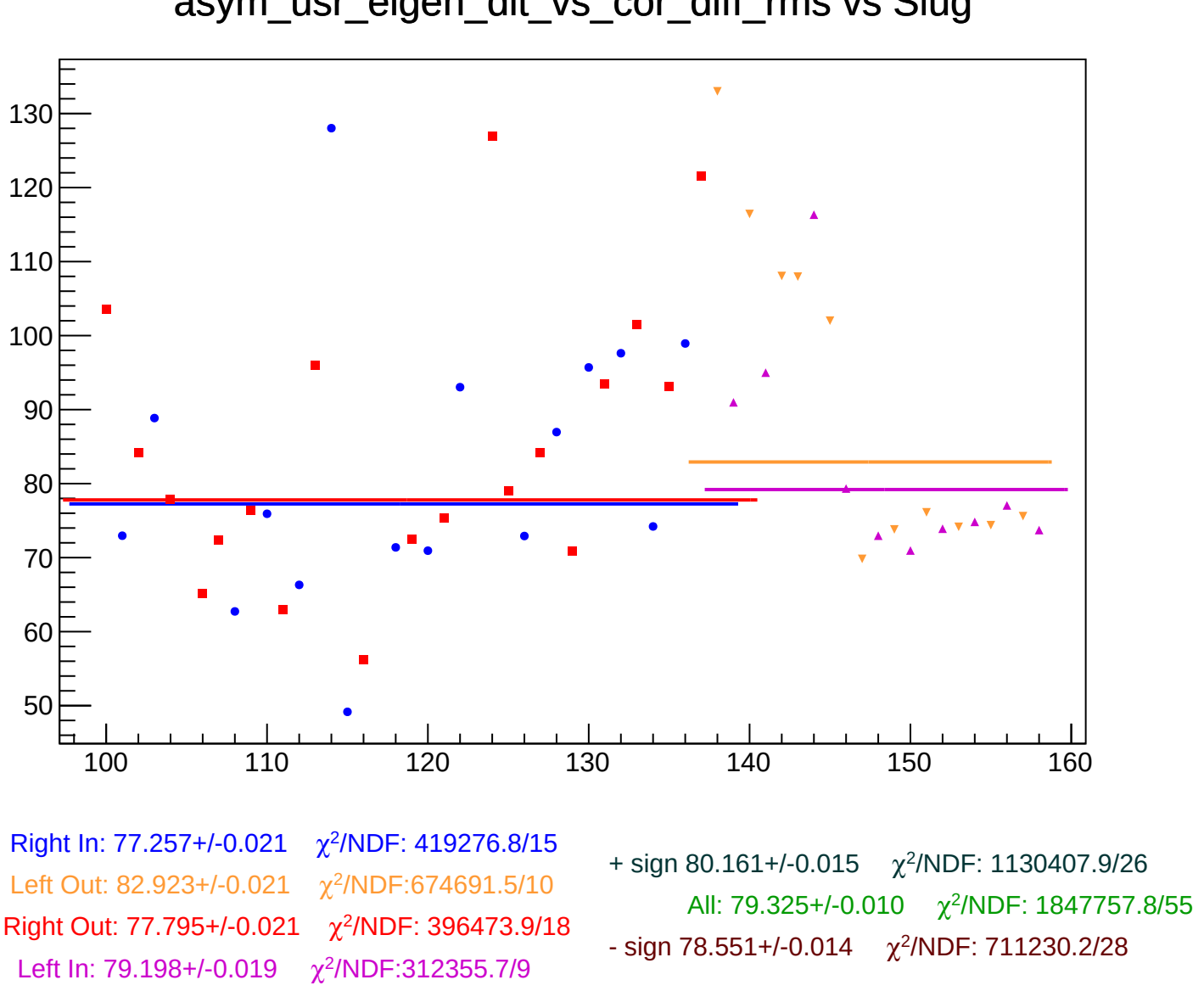
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

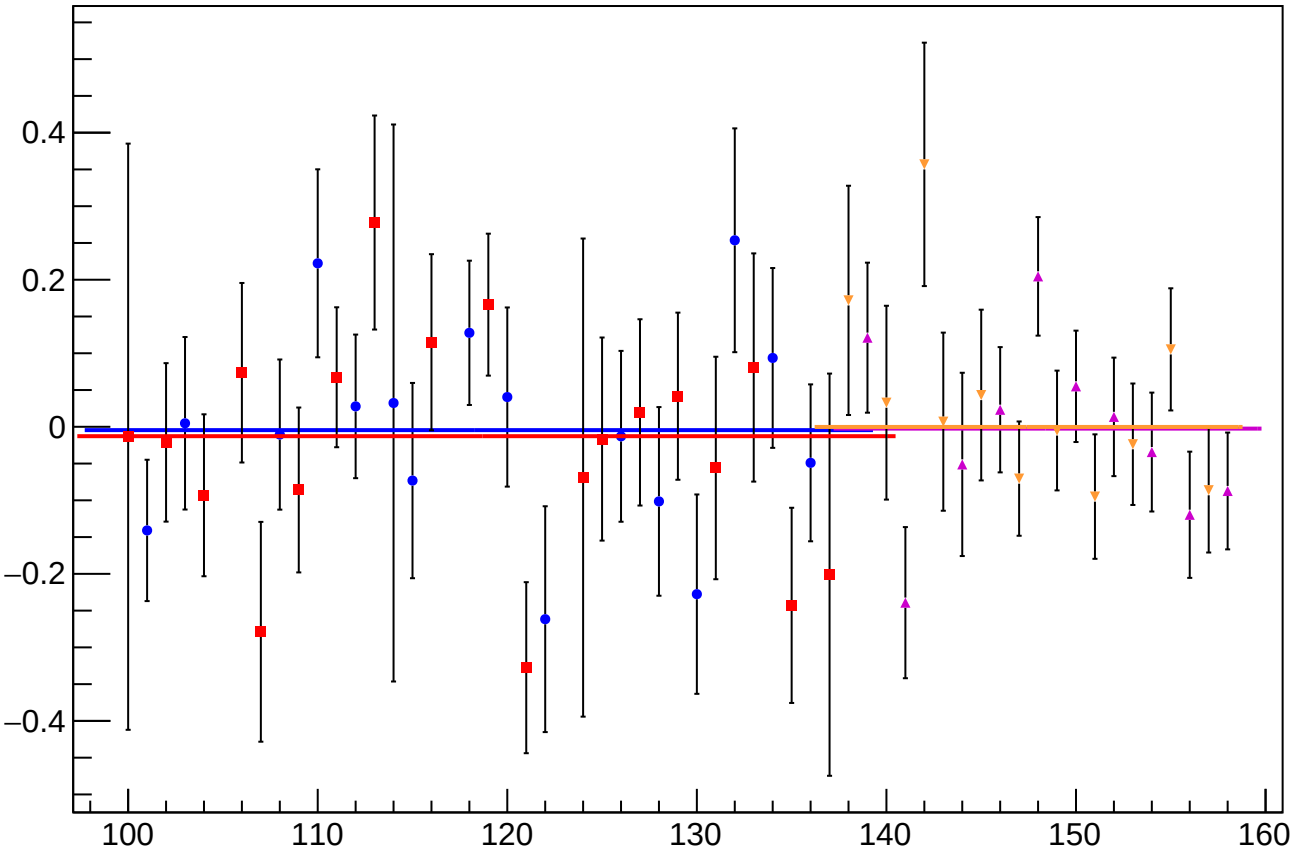
Left In: -0.002+/-0.027 χ^2/NDF:17.4/9

+ sign -0.002+/-0.021 χ^2/NDF: 28.2/26

All: -0.005+/-0.015 χ^2/NDF: 71.1/55

- sign -0.007+/-0.020 χ^2/NDF: 42.9/28


asym_usr_eigen_dit_vs_cor_diff_rms vs Slug
130
120
110
100
90
80
70
60
50
100
110
120
130
140
150
160
Right In: 77.257+/-0.021 χ²/NDF: 419276.8/15
Left Out: 82.923+/-0.021 χ²/NDF:674691.5/10
Right Out: 77.795+/-0.021 χ²/NDF: 396473.9/18
Left In: 79.198+/-0.019 χ²/NDF:312355.7/9
+ sign 80.161+/-0.015 χ²/NDF: 1130407.9/26
All: 79.325+/-0.010 χ²/NDF: 1847757.8/55
- sign 78.551+/-0.014 χ²/NDF: 711230.2/28



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.029 χ^2/NDF:10.9/10

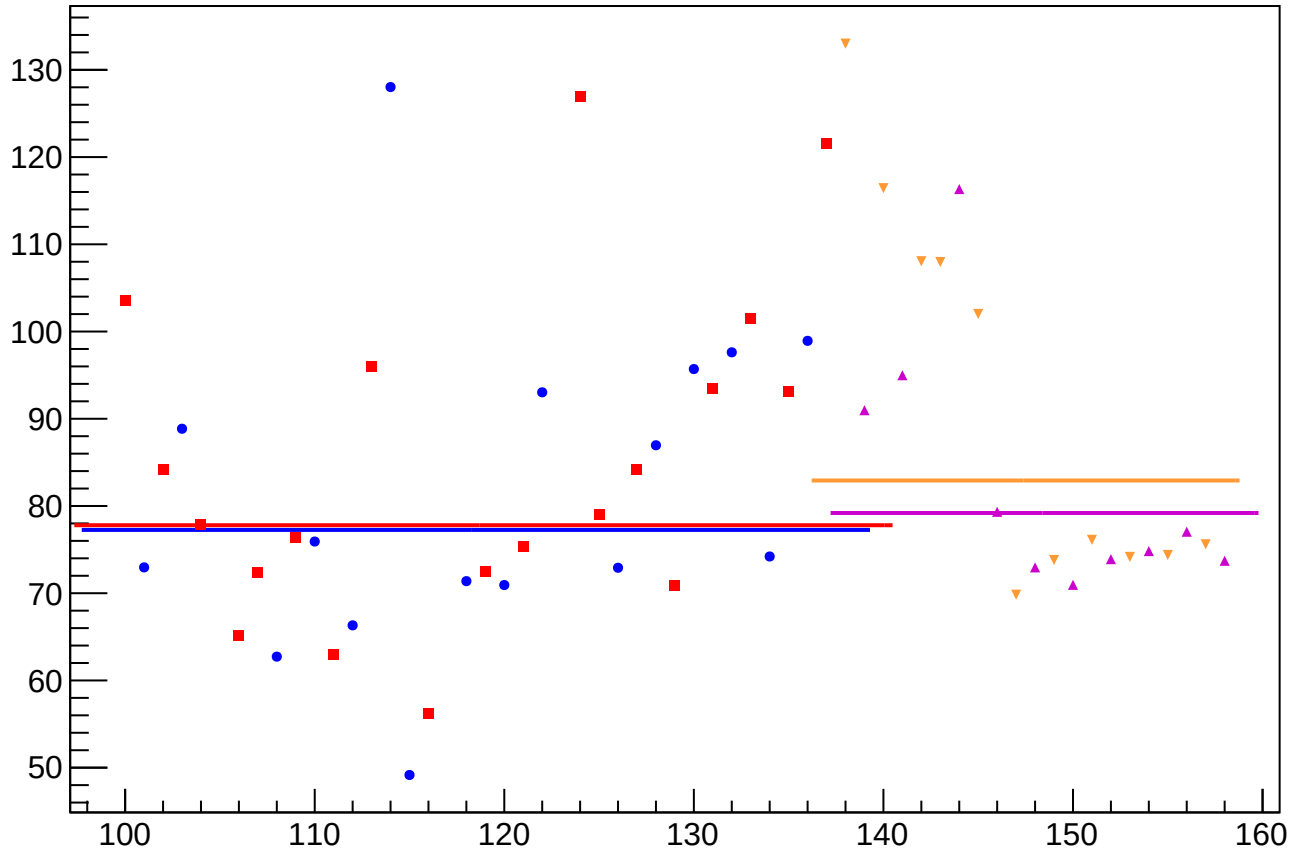
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.002+/-0.027 χ^2/NDF:17.4/9

+ sign -0.002+/-0.021 χ^2/NDF: 28.2/26

All: -0.005+/-0.015 χ^2/NDF: 71.1/55

- sign -0.007+/-0.020 χ^2/NDF: 42.9/28



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 82.923+/-0.021 χ^2/NDF:674691.5/10

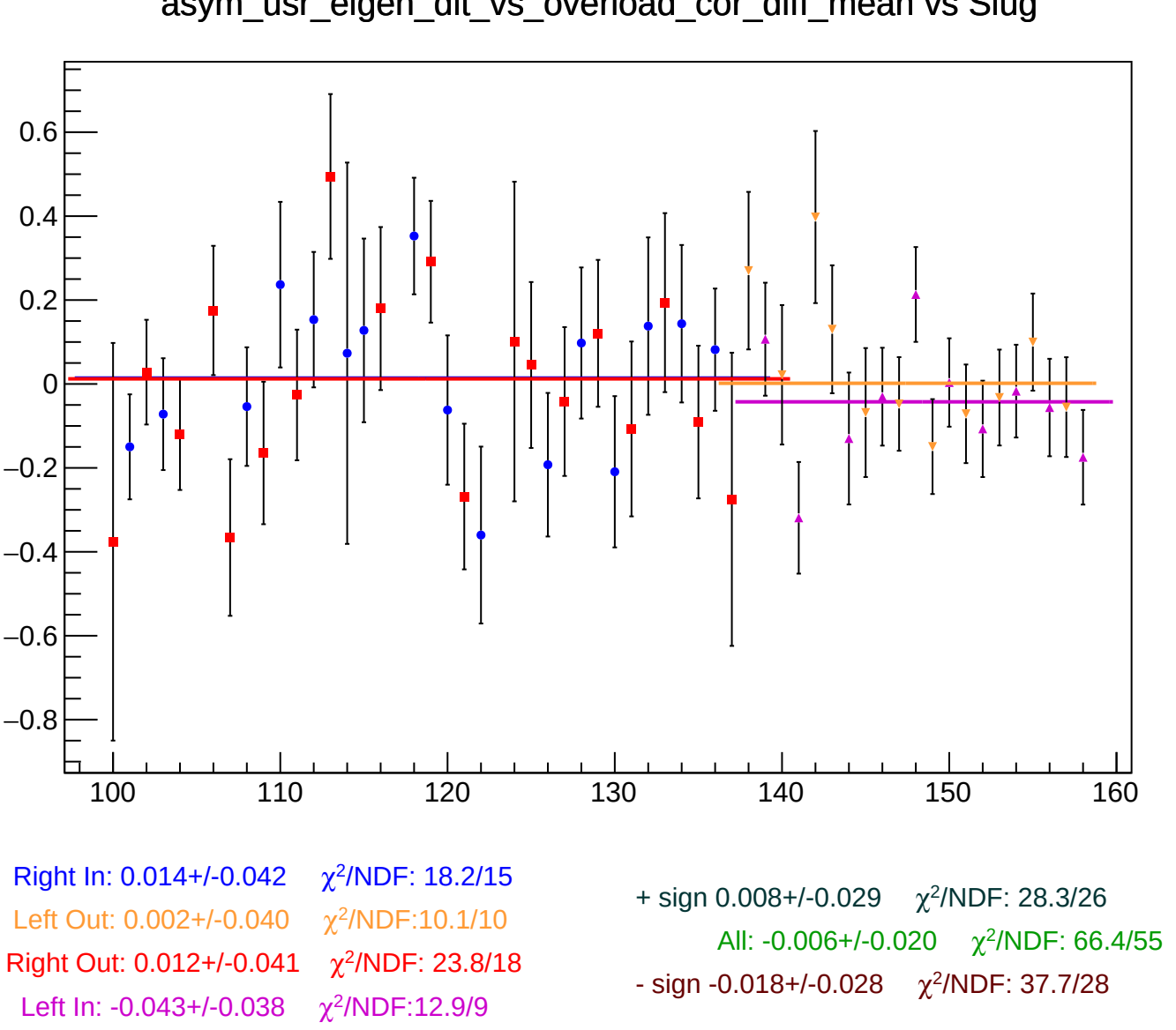
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

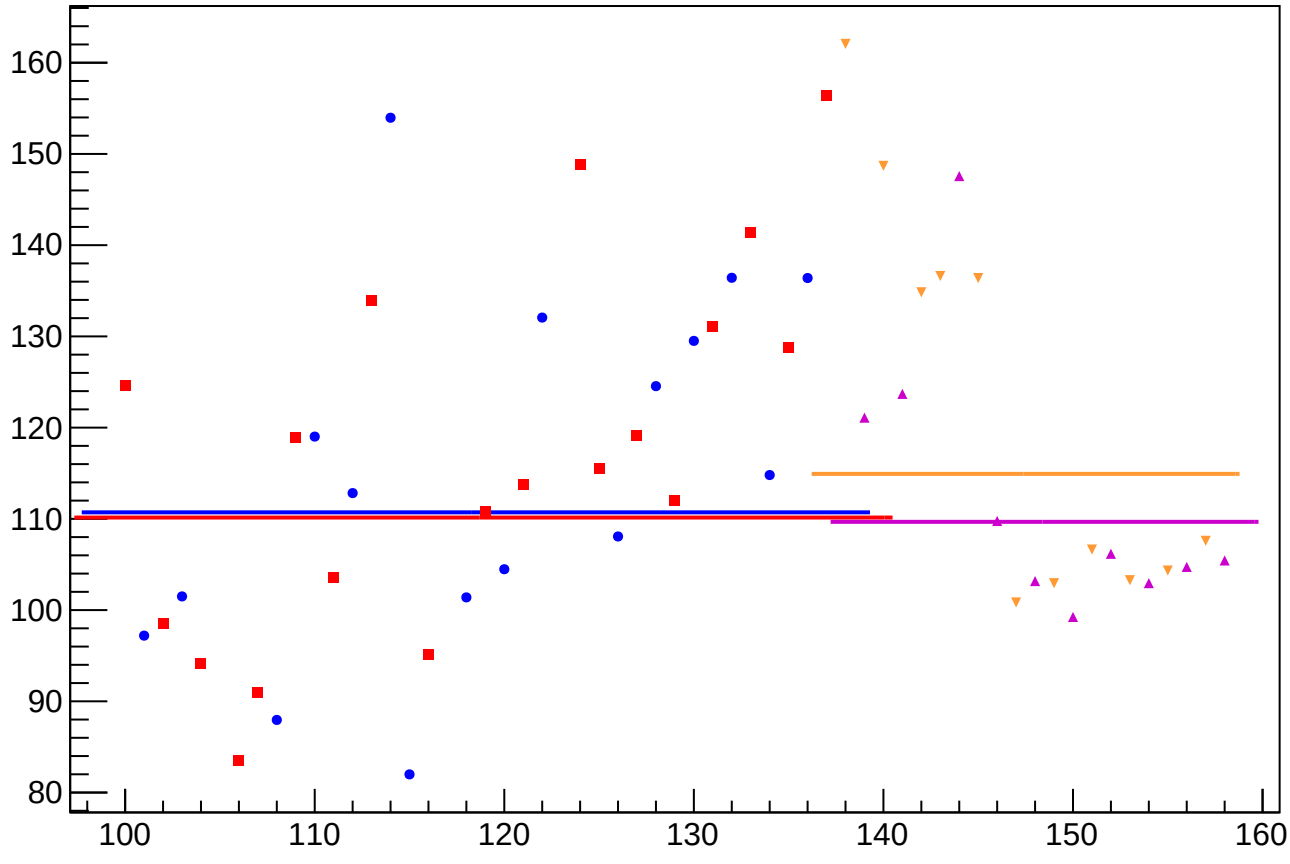
Left In: 79.198+/-0.019 χ^2/NDF:312355.7/9

+ sign 80.161+/-0.015 χ^2/NDF: 1130407.9/26

All: 79.325+/-0.010 χ^2/NDF: 1847757.8/55

- sign 78.551+/-0.014 χ^2/NDF: 711230.2/28


asym_usr_eigen_dit_vs_overload_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
Right In: 0.014+/-0.042 χ²/NDF: 18.2/15
Left Out: 0.002+/-0.040 χ²/NDF:10.1/10
Right Out: 0.012+/-0.041 χ²/NDF: 23.8/18
Left In: -0.043+/-0.038 χ²/NDF:12.9/9
+ sign 0.008+/-0.029 χ²/NDF: 28.3/26
All: -0.006+/-0.020 χ²/NDF: 66.4/55
- sign -0.018+/-0.028 χ²/NDF: 37.7/28



Right In: 110.714+/-0.030 χ^2/NDF: 299948.2/15

Left Out: 114.931+/-0.028 χ^2/NDF:416534.5/10

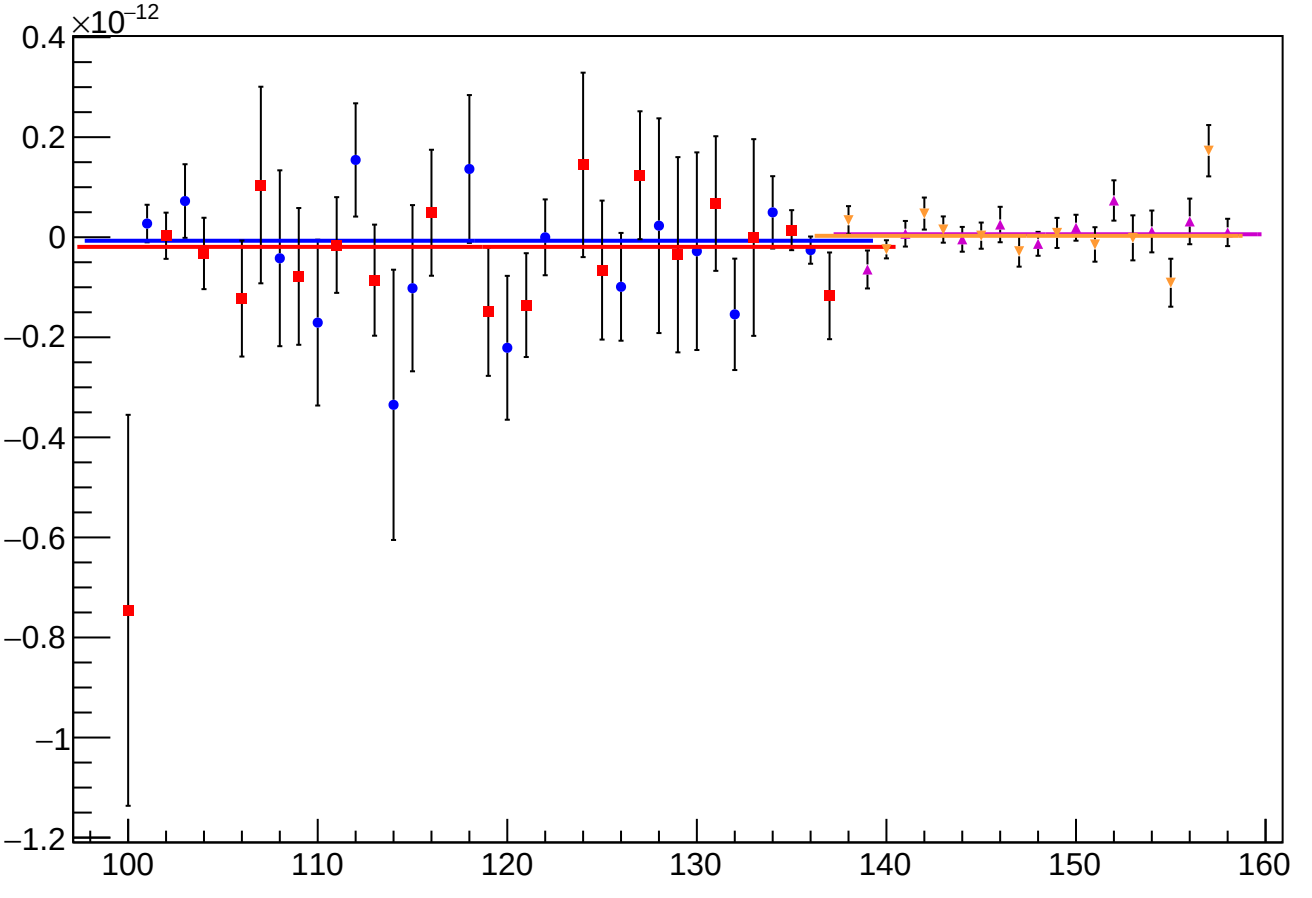
Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 109.672+/-0.027 χ^2/NDF:194750.7/9

+ sign 112.942+/-0.021 χ^2/NDF: 727003.1/26

All: 111.350+/-0.014 χ^2/NDF: 1260133.6/55

- sign 109.887+/-0.020 χ^2/NDF: 521589.6/28



Right In: -0.000+/-0.000 χ^2/NDF: 13.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/10

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

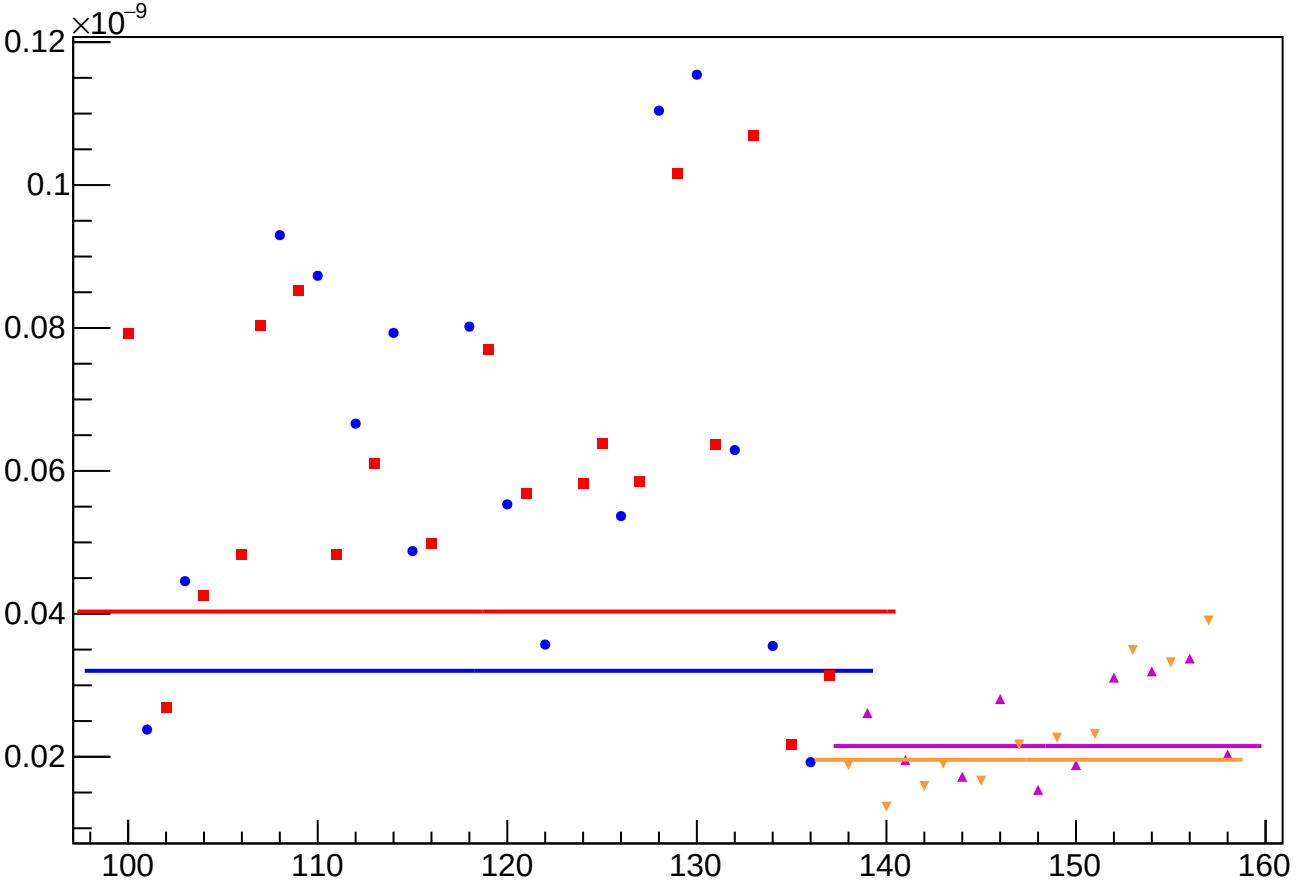
Left In: 0.000+/-0.000 χ^2/NDF:8.0/9

+ sign 0.000+/-0.000 χ^2/NDF: 35.6/26

All: 0.000+/-0.000 χ^2/NDF: 57.3/55

- sign 0.000+/-0.000 χ^2/NDF: 21.7/28

asym_usr_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2459312.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1051089.5/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

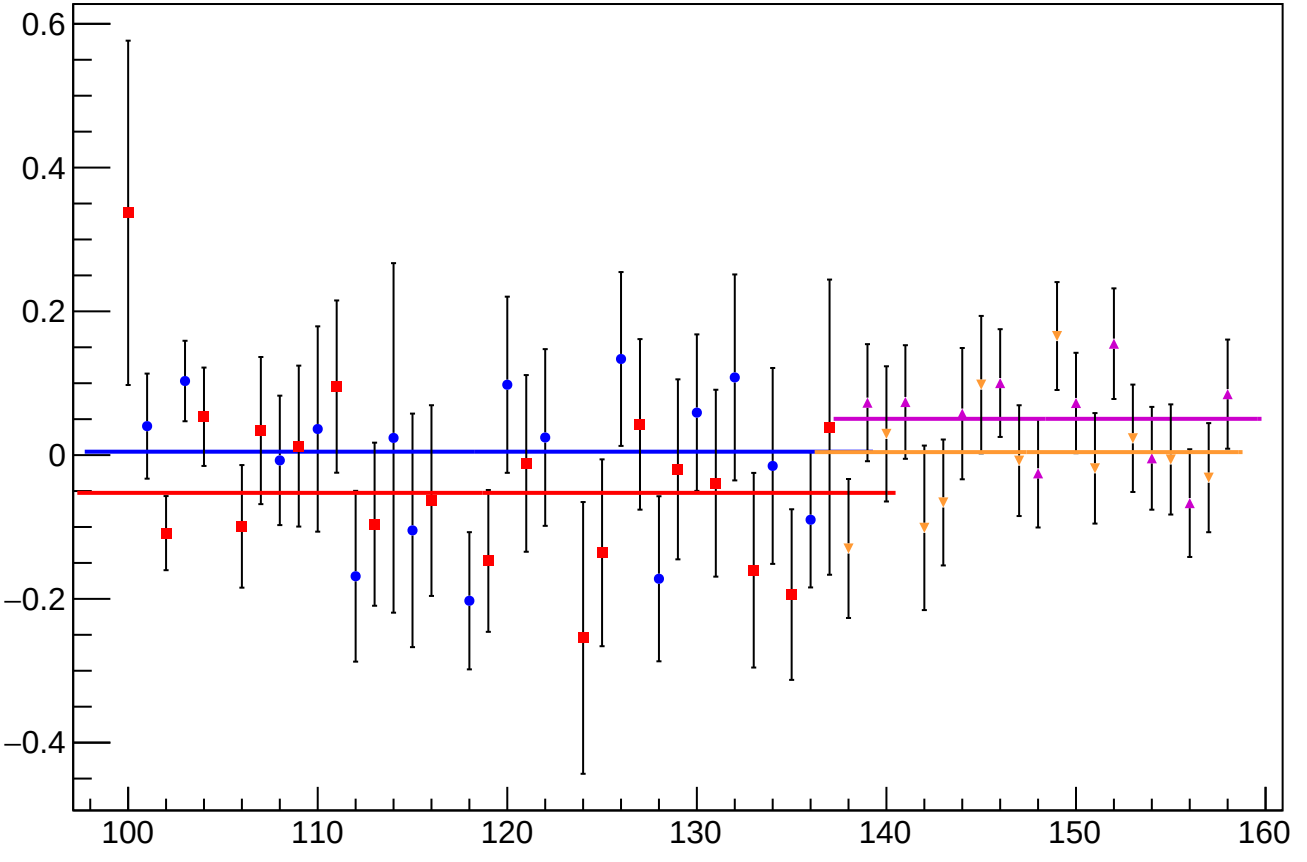
Left In: 0.000+/-0.000 χ^2/NDF:709559.1/9

+ sign 0.000+/-0.000 χ^2/NDF: 4282650.2/26

All: 0.000+/-0.000 χ^2/NDF: 8275599.1/55

- sign 0.000+/-0.000 χ^2/NDF: 3893189.1/28

asym_usr_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.004+/-0.025 χ^2/NDF:9.5/10

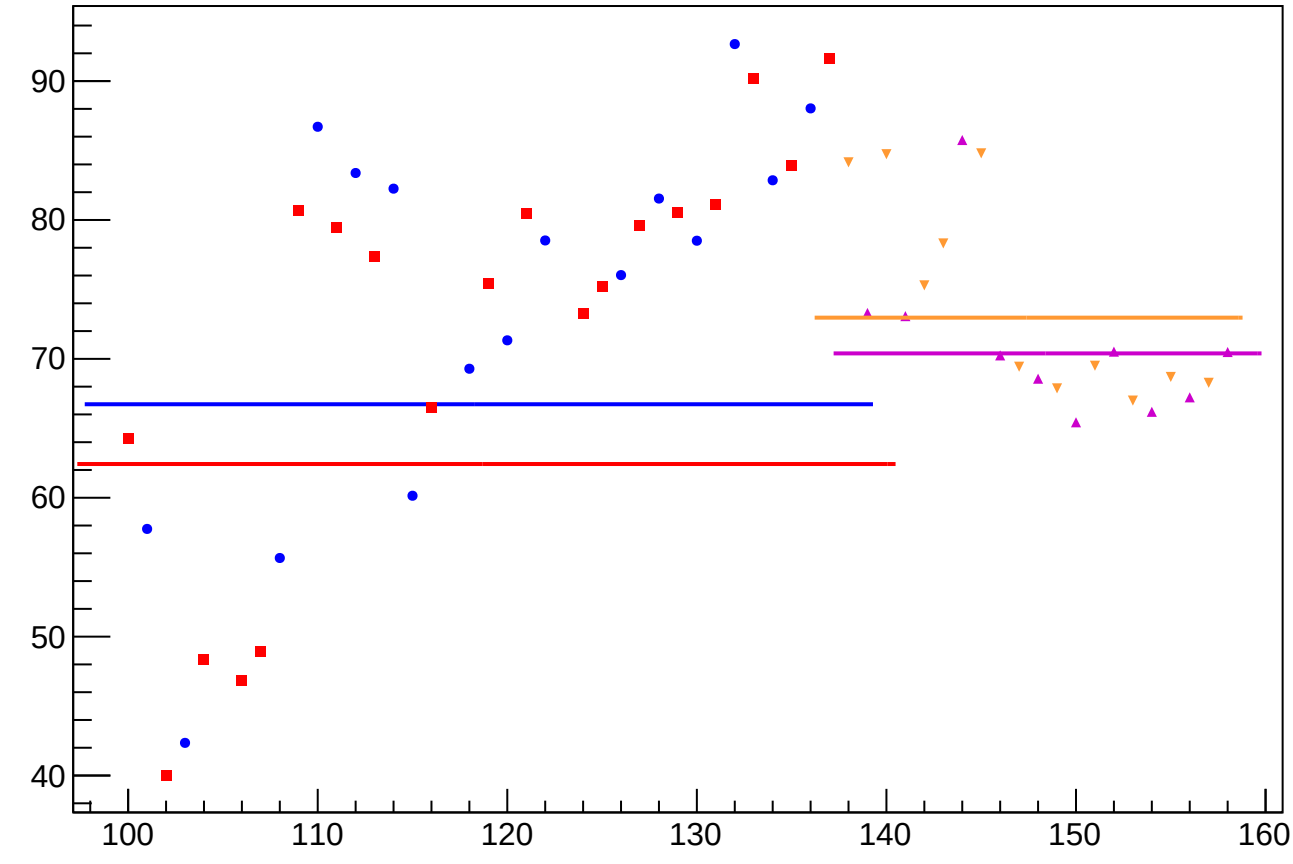
Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: 0.050+/-0.024 χ^2/NDF:6.8/9

+ sign 0.004+/-0.018 χ^2/NDF: 26.1/26

All: 0.001+/-0.012 χ^2/NDF: 56.9/55

- sign -0.001+/-0.017 χ^2/NDF: 30.7/28



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 72.968+/-0.018 χ^2/NDF:141073.8/10

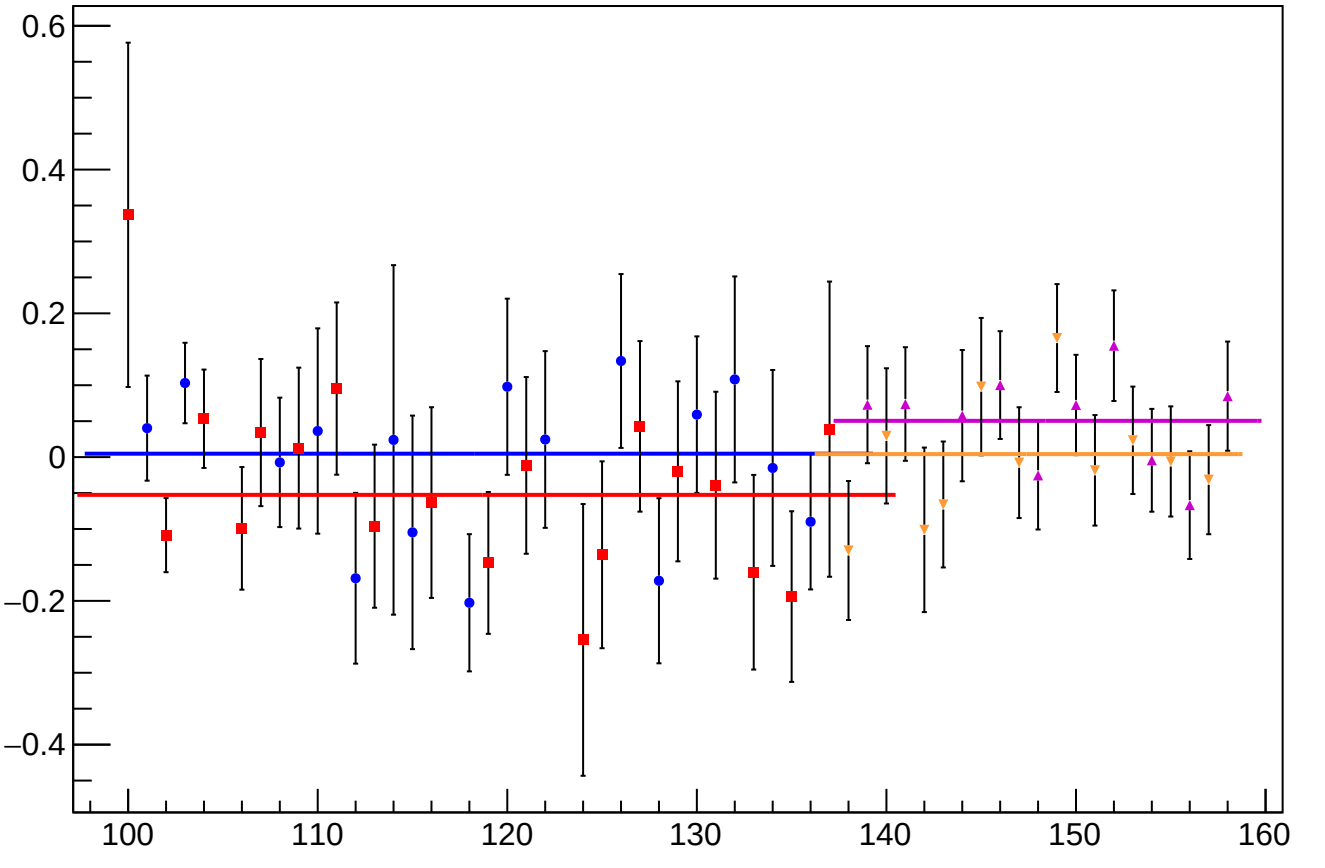
Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

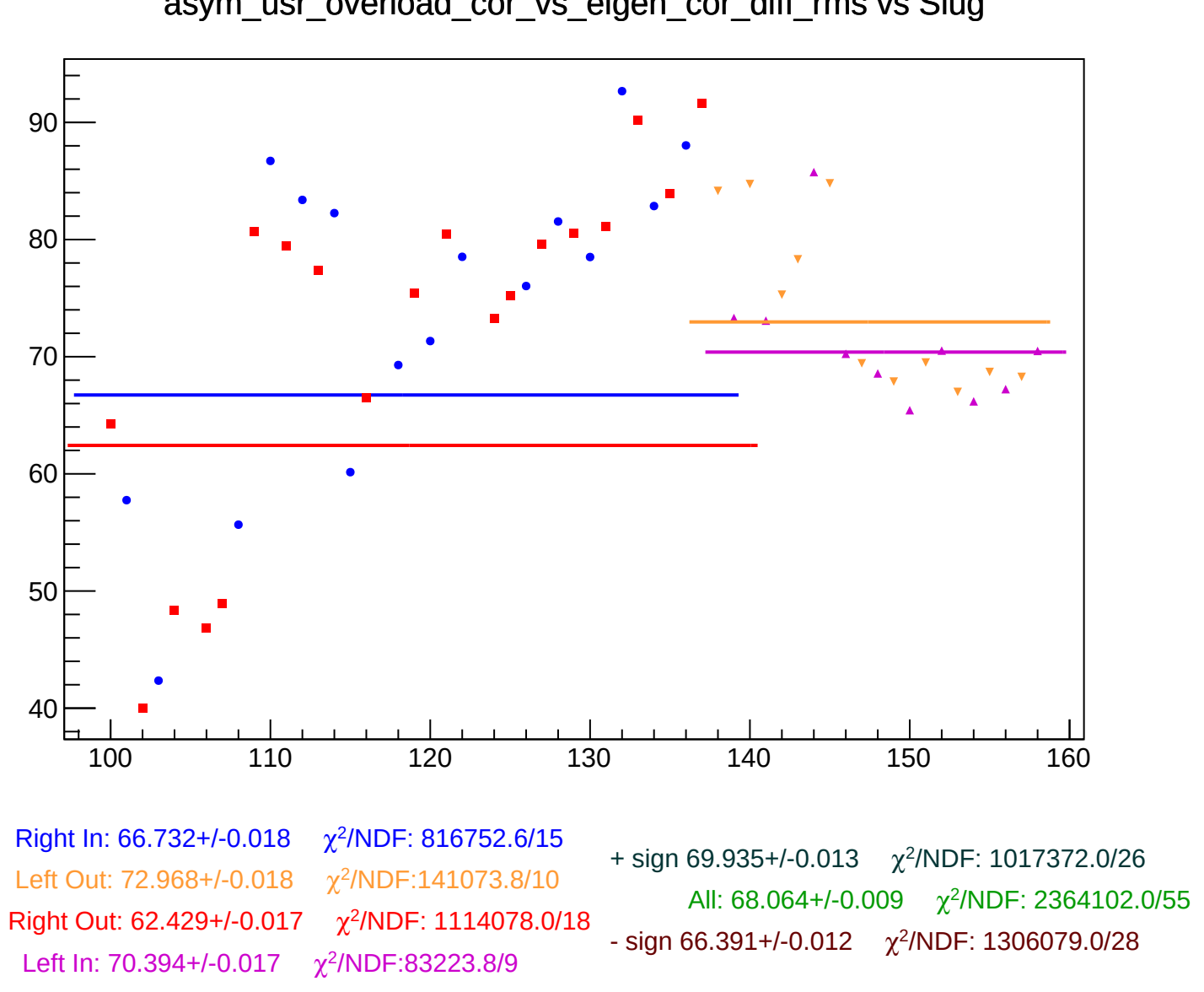
Left In: 70.394+/-0.017 χ^2/NDF:83223.8/9

+ sign 69.935+/-0.013 χ^2/NDF: 1017372.0/26

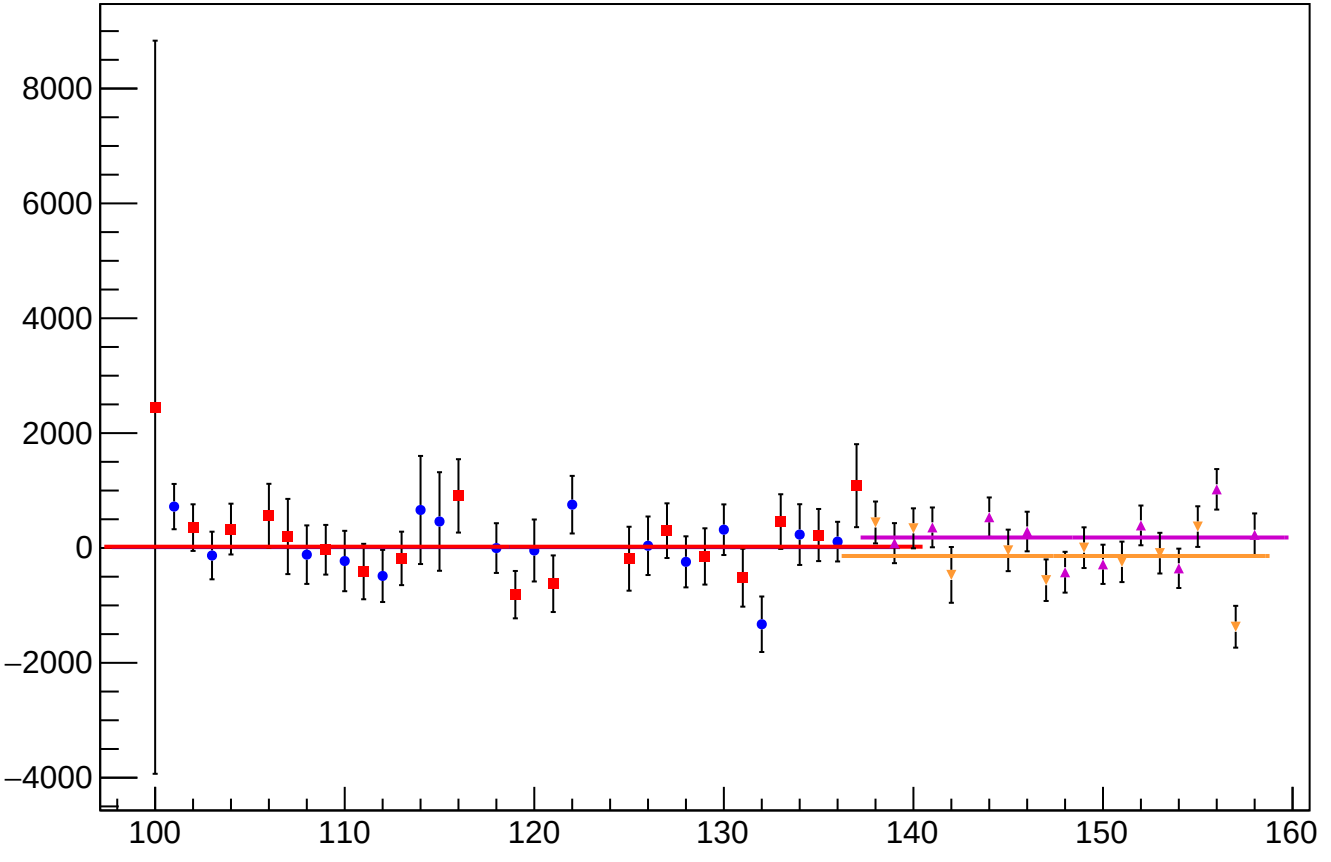
All: 68.064+/-0.009 χ^2/NDF: 2364102.0/55

- sign 66.391+/-0.012 χ^2/NDF: 1306079.0/28


asym_usr_overload_cor_vs_eigen_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
Right In: 0.005+/-0.026 χ²/NDF: 16.6/15
Left Out: 0.004+/-0.025 χ²/NDF:9.5/10
Right Out: -0.053+/-0.024 χ²/NDF: 14.8/18
Left In: 0.050+/-0.024 χ²/NDF:6.8/9
+ sign 0.004+/-0.018 χ²/NDF: 26.1/26
All: 0.001+/-0.012 χ²/NDF: 56.9/55
- sign -0.001+/-0.017 χ²/NDF: 30.7/28


asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug
90
80
70
60
50
40
100
110
120
130
140
150
160
Right In: 66.732+/-0.018 χ²/NDF: 816752.6/15
Left Out: 72.968+/-0.018 χ²/NDF:141073.8/10
Right Out: 62.429+/-0.017 χ²/NDF: 1114078.0/18
Left In: 70.394+/-0.017 χ²/NDF:83223.8/9
+ sign 69.935+/-0.013 χ²/NDF: 1017372.0/26
All: 68.064+/-0.009 χ²/NDF: 2364102.0/55
- sign 66.391+/-0.012 χ²/NDF: 1306079.0/28

asym_dsl_mean vs Slug



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: -139.442+/-115.595 χ^2/NDF:20.2/9

Right Out: 22.145+/-119.211 χ^2/NDF: 16.0/17

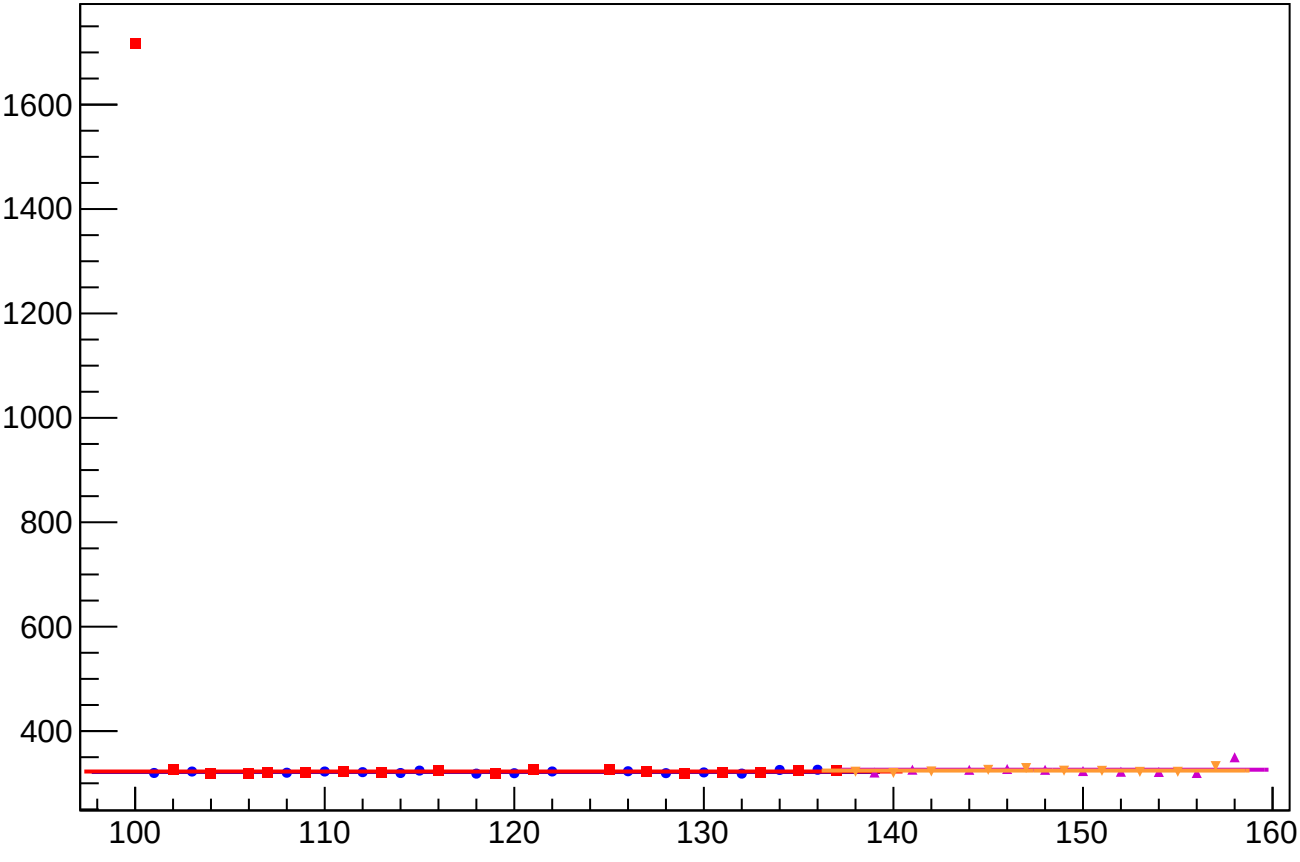
Left In: 182.495+/-110.401 χ^2/NDF:14.7/9

\+ sign -64.491+/-83.061 χ^2/NDF: 37.6/25

All: 24.158+/-57.991 χ^2/NDF: 71.5/53

\- sign 108.464+/-81.001 χ^2/NDF: 31.7/27

asym_dsl_rms vs Slug



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 324.385+/-0.082 χ^2/NDF:2111.4/9

Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

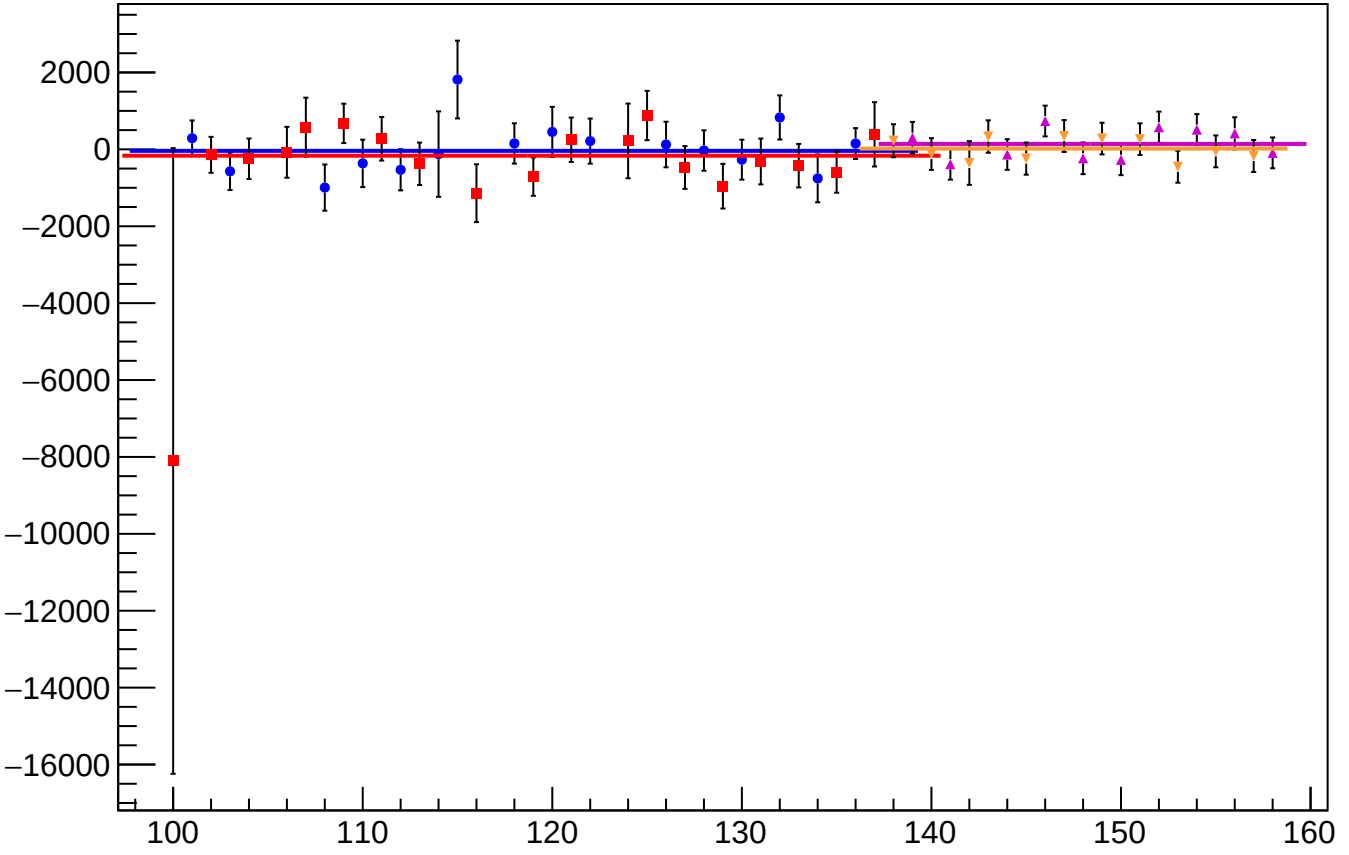
Left In: 326.012+/-0.078 χ^2/NDF:9988.0/9

+ sign 323.040+/-0.059 χ^2/NDF: 3494.3/25

All: 323.745+/-0.041 χ^2/NDF: 111561.7/53

- sign 324.415+/-0.057 χ^2/NDF: 107786.4/27

asym_dsr_mean vs Slug



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: 20.096+/-128.268 χ^2/NDF:4.6/10

Right Out: -164.639+/-138.962 χ^2/NDF: 15.1/18

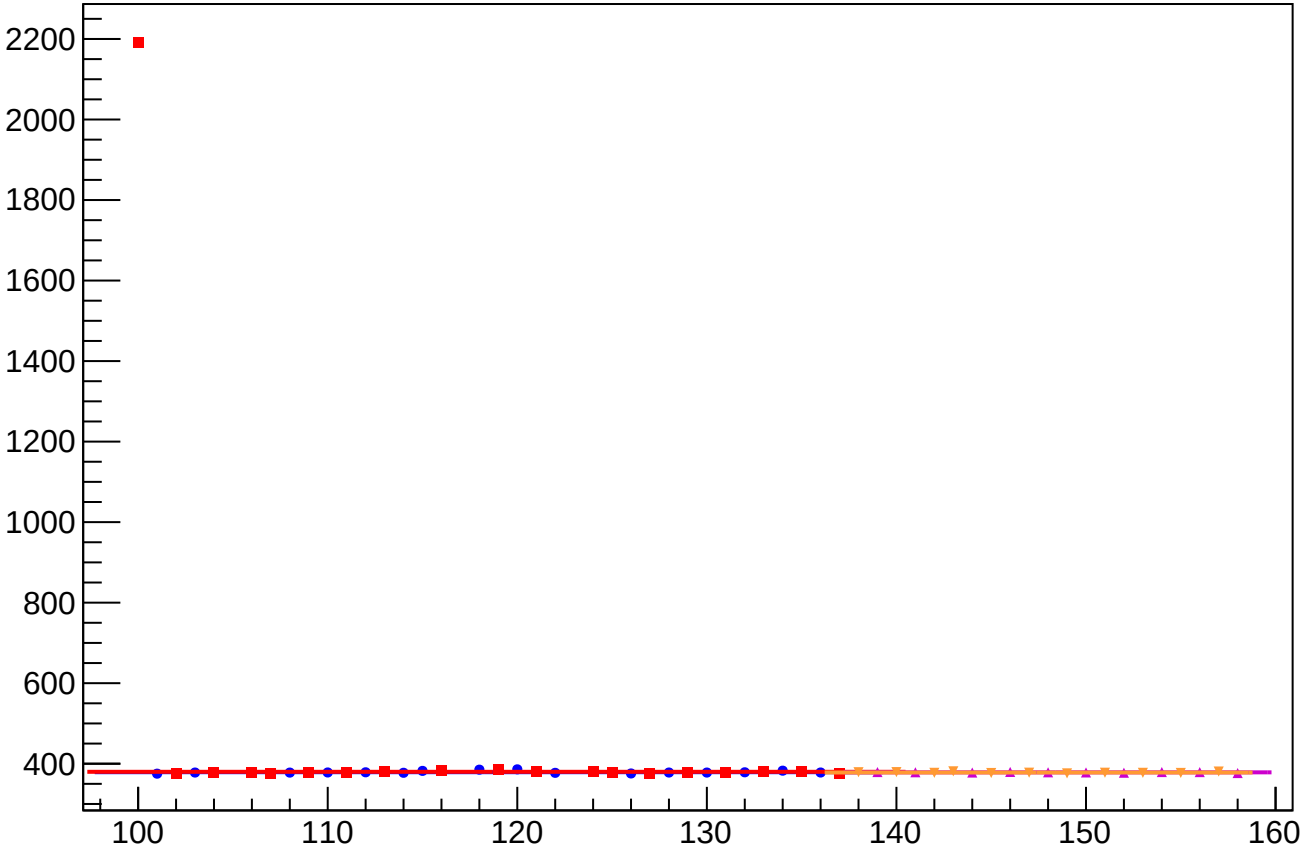
Left In: 140.470+/-128.163 χ^2/NDF:9.2/9

+ sign -6.683+/-94.796 χ^2/NDF: 18.5/26

All: -3.205+/-66.823 χ^2/NDF: 45.4/55

- sign 0.230+/-94.212 χ^2/NDF: 26.9/28

asym_dsr_rms vs Slug



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 378.158+/-0.091 χ^2/NDF:281.7/10

Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

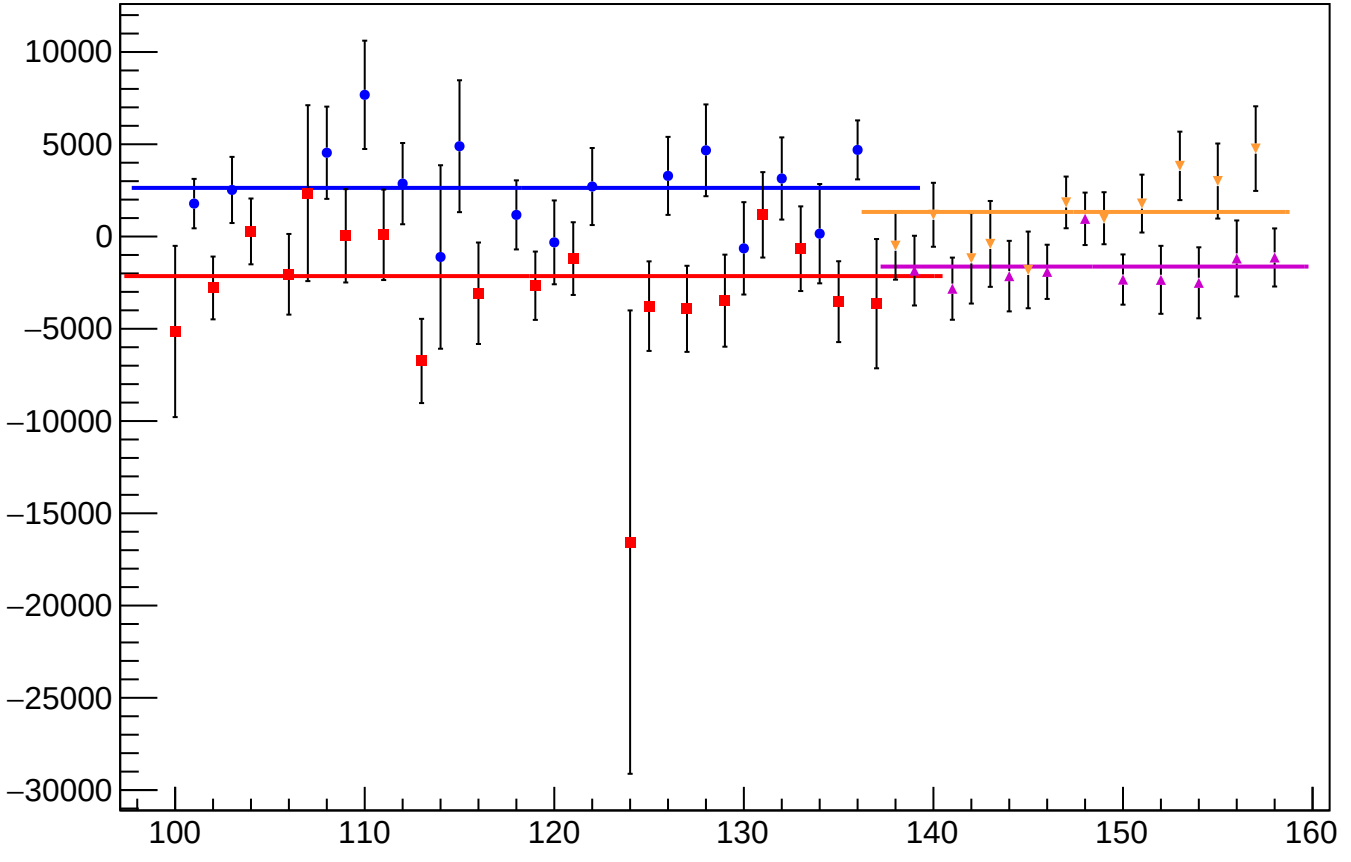
Left In: 378.552+/-0.091 χ^2/NDF:81.3/9

+ sign 378.499+/-0.067 χ^2/NDF: 1164.1/26

All: 378.832+/-0.047 χ^2/NDF: 101014.3/55

- sign 379.161+/-0.067 χ^2/NDF: 99801.2/28

asym_us_agg_avg_mean vs Slug



Right In: 2635.397+/-538.034 χ^2/NDF: 12.3/15

Left Out: 1332.152+/-546.108 χ^2/NDF:9.9/10

Right Out: -2144.569+/-546.963 χ^2/NDF: 15.0/18

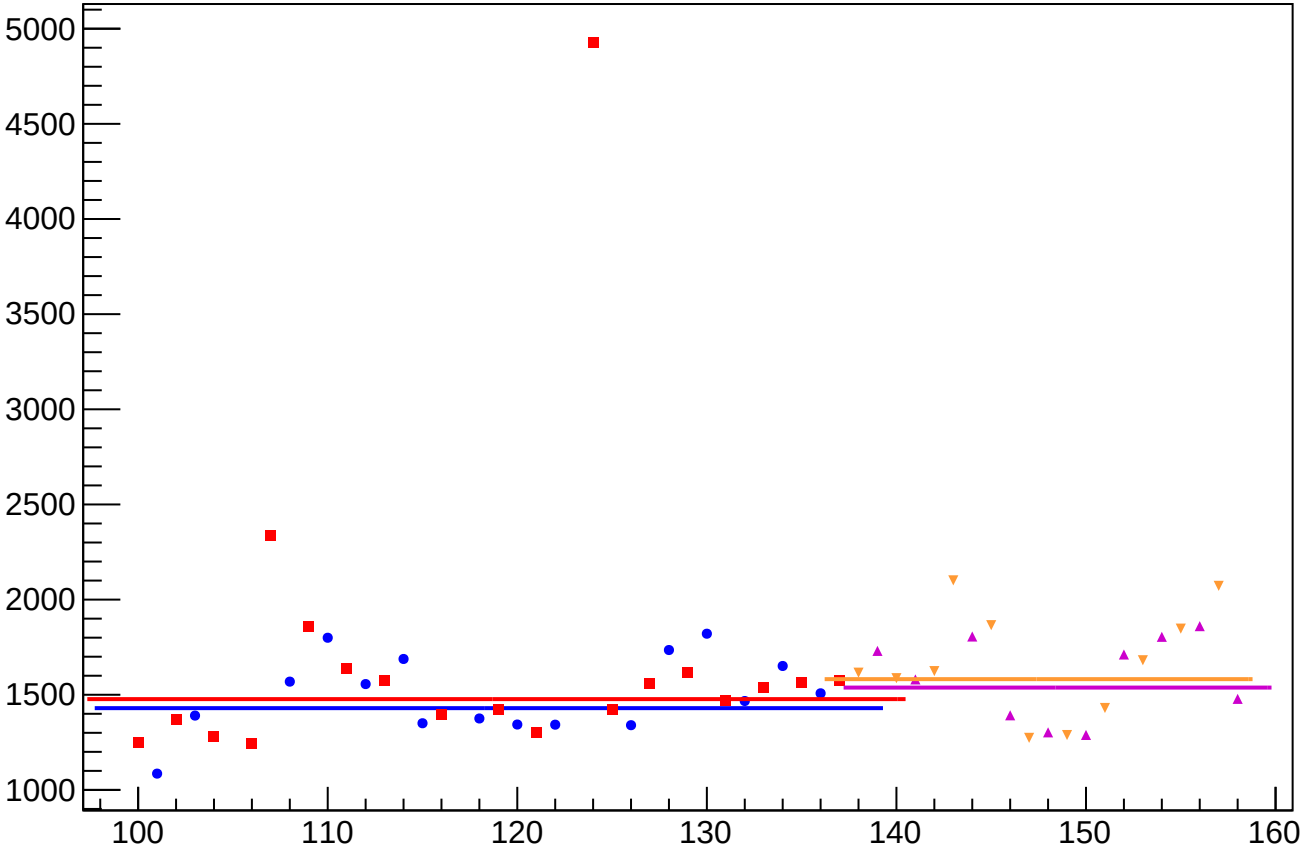
Left In: -1629.148+/-526.444 χ^2/NDF:4.7/9

+ sign 1993.479+/-383.270 χ^2/NDF: 25.0/26

All: 38.078+/-269.598 χ^2/NDF: 96.8/55

- sign -1877.009+/-379.299 χ^2/NDF: 20.2/28

asym_us_agg_avg_rms vs Slug



Right In: 1429.654+/-0.380 χ^2/NDF: 293388.5/15

Left Out: 1582.055+/-0.386 χ^2/NDF:471709.7/10

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

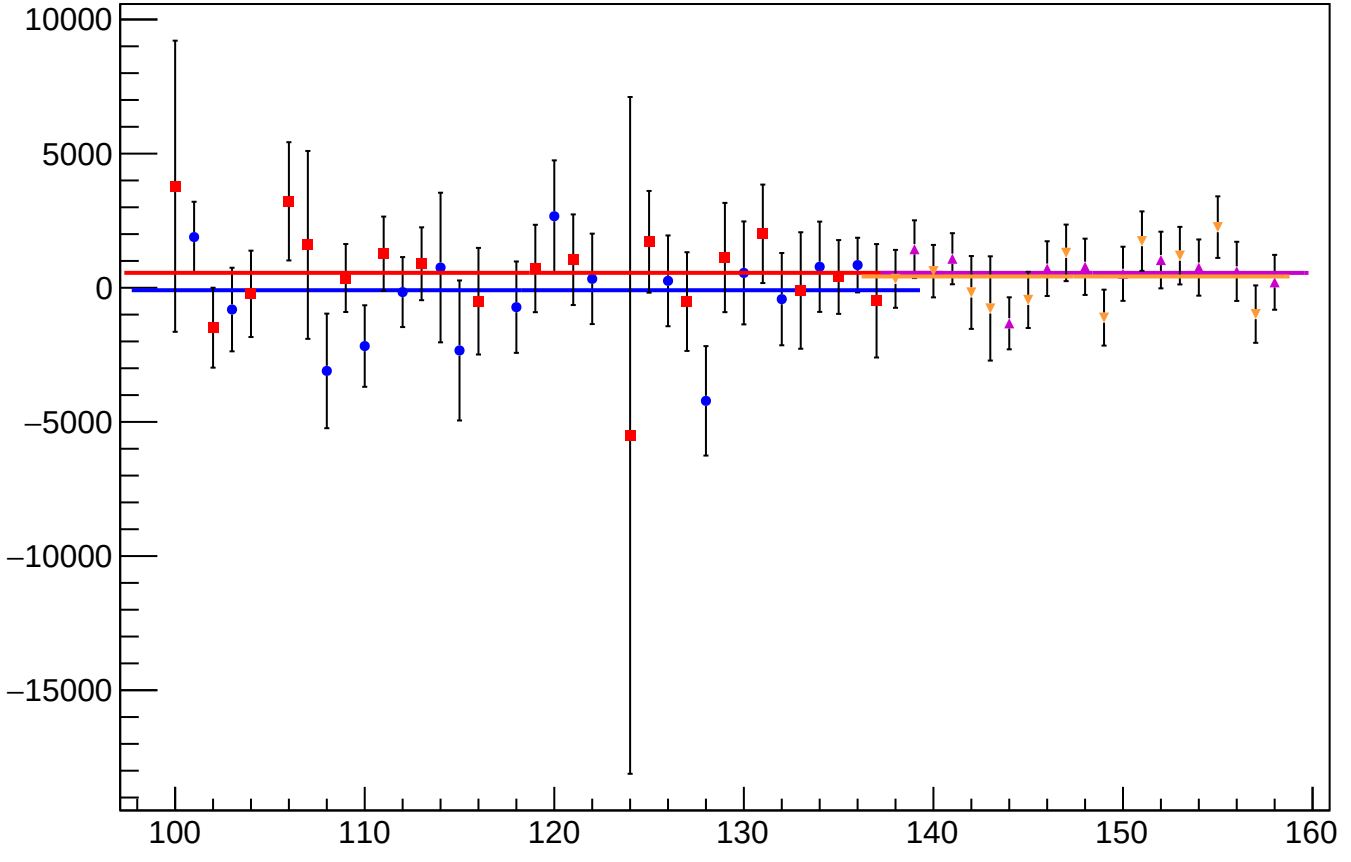
Left In: 1537.715+/-0.372 χ^2/NDF:311027.6/9

+ sign 1504.719+/-0.271 χ^2/NDF: 844136.7/26

All: 1506.669+/-0.191 χ^2/NDF: 1537436.9/55

- sign 1508.578+/-0.268 χ^2/NDF: 693197.9/28

asym_us_agg_dd_mean vs Slug



Right In: -91.305+/-409.957 χ^2/NDF: 14.5/15

Left Out: 421.054+/-337.885 χ^2/NDF:10.4/10

Right Out: 556.840+/-411.346 χ^2/NDF: 6.8/18

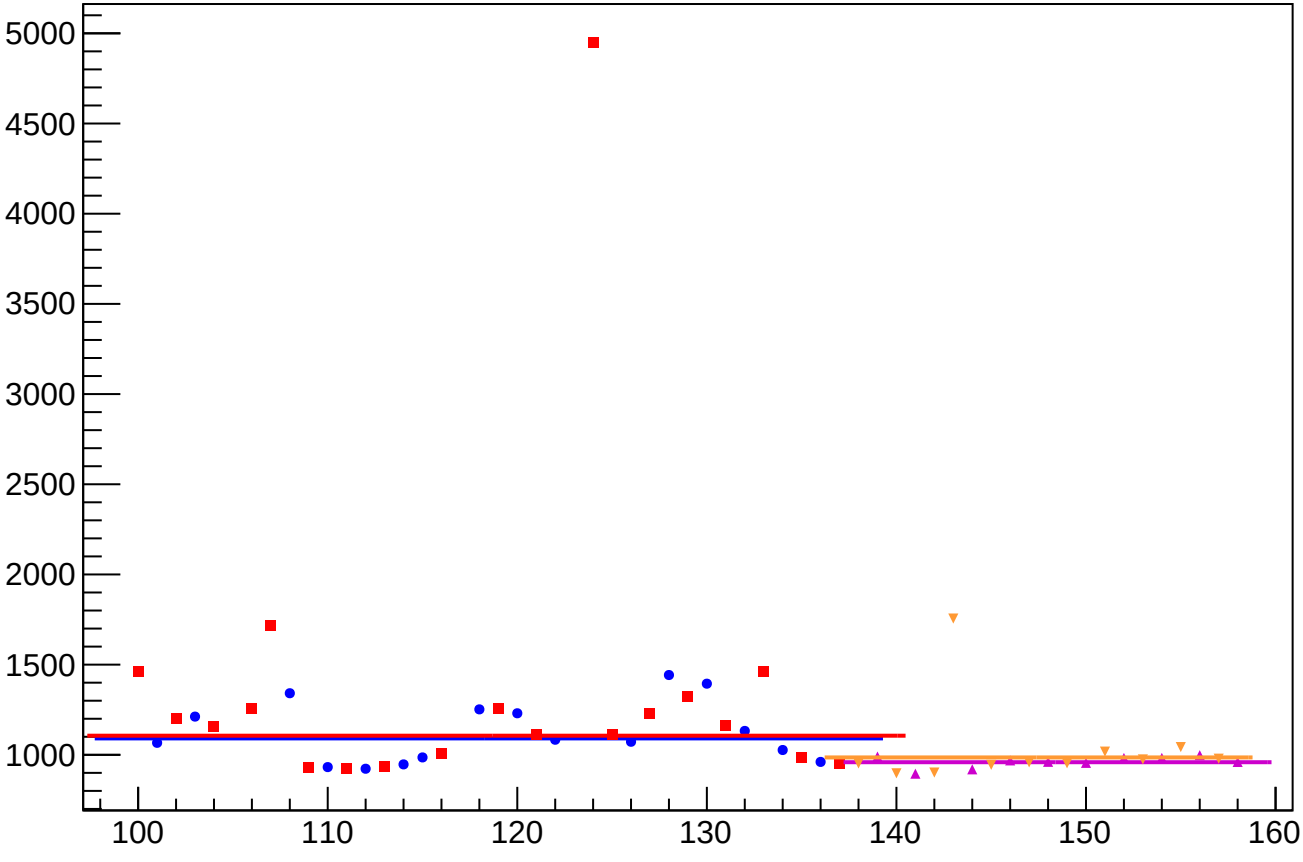
Left In: 554.008+/-324.951 χ^2/NDF:5.2/9

+ sign 213.798+/-260.738 χ^2/NDF: 25.9/26

All: 388.253+/-182.302 χ^2/NDF: 38.7/55

- sign 555.096+/-254.987 χ^2/NDF: 11.9/28

asym_us_agg_dd_rms vs Slug



Right In: 1091.041+/-0.290 χ^2/NDF: 277304.9/15

Left Out: 985.570+/-0.239 χ^2/NDF:353076.6/10

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

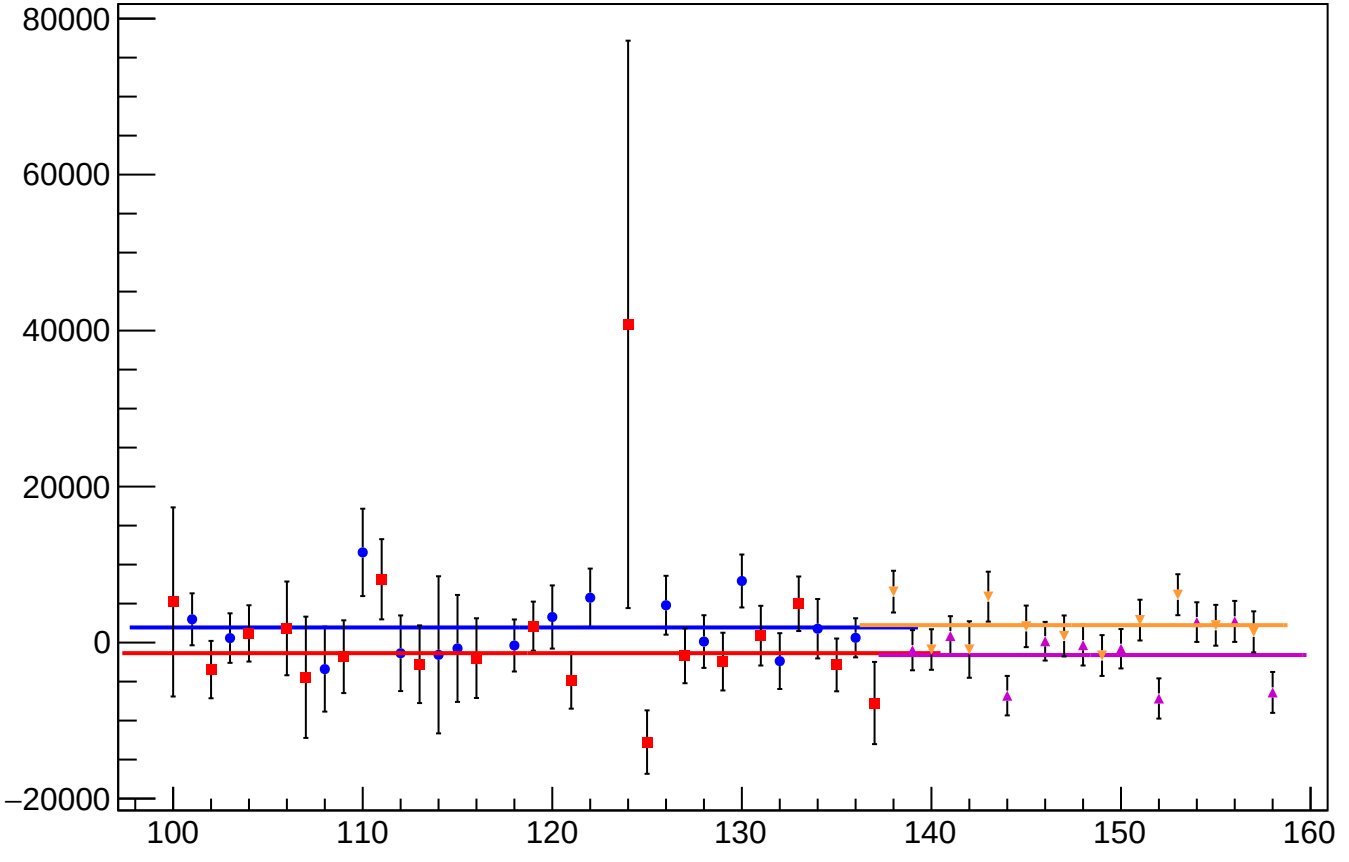
Left In: 959.066+/-0.230 χ^2/NDF:18722.8/9

+ sign 1028.235+/-0.184 χ^2/NDF: 709211.2/26

All: 1021.748+/-0.129 χ^2/NDF: 1401682.6/55

- sign 1015.544+/-0.180 χ^2/NDF: 690049.6/28

reg_asym_atl1_mean vs Slug



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2234.726+/-823.374 χ^2/NDF:10.9/10

Right Out: -1353.428+/-985.119 χ^2/NDF: 21.8/18

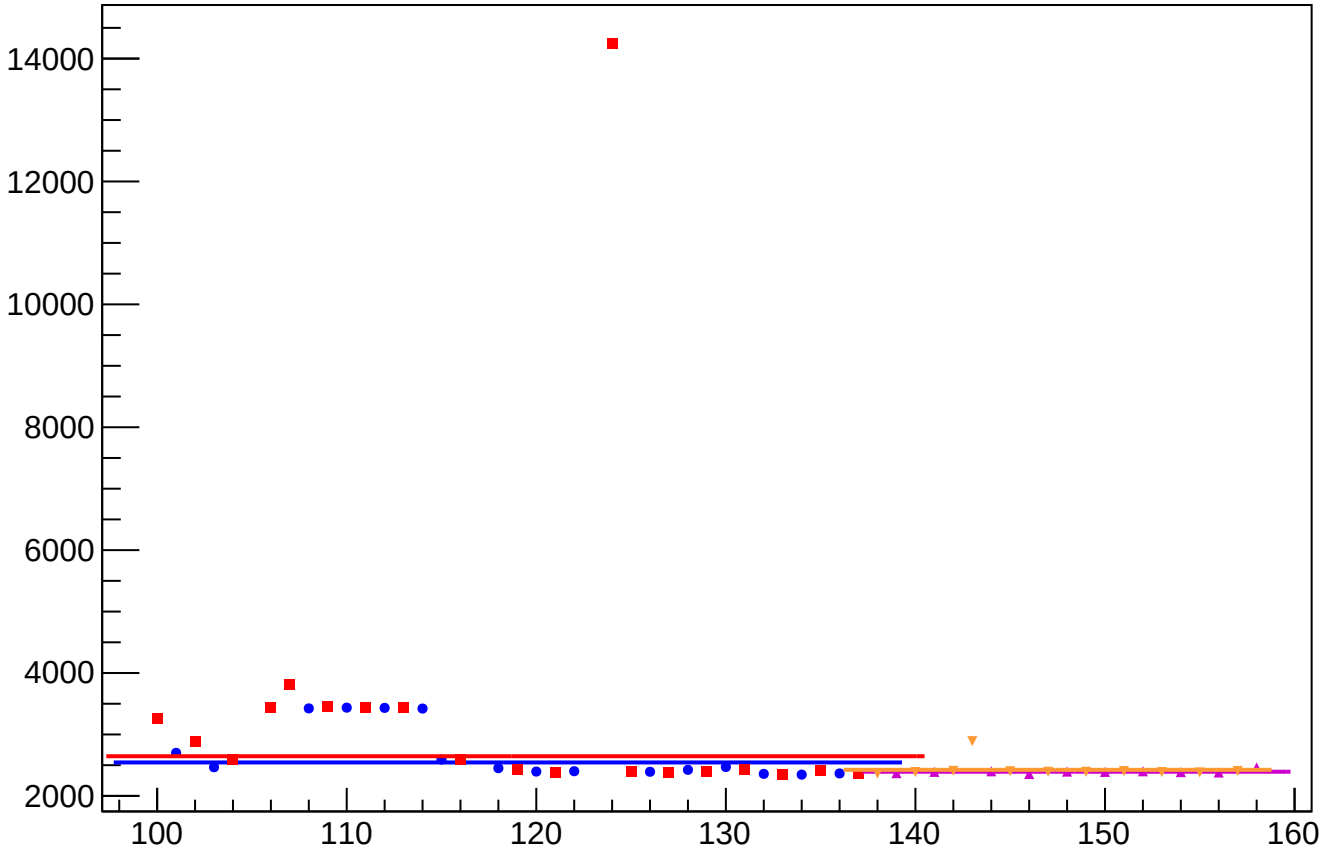
Left In: -1595.580+/-810.349 χ^2/NDF:19.5/9

+ sign 2108.539+/-622.913 χ^2/NDF: 23.2/26

All: 313.743+/-441.491 χ^2/NDF: 81.3/55

- sign -1497.854+/-625.821 χ^2/NDF: 41.3/28

reg_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2424.296+/-0.582 χ^2/NDF:45848.1/10

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

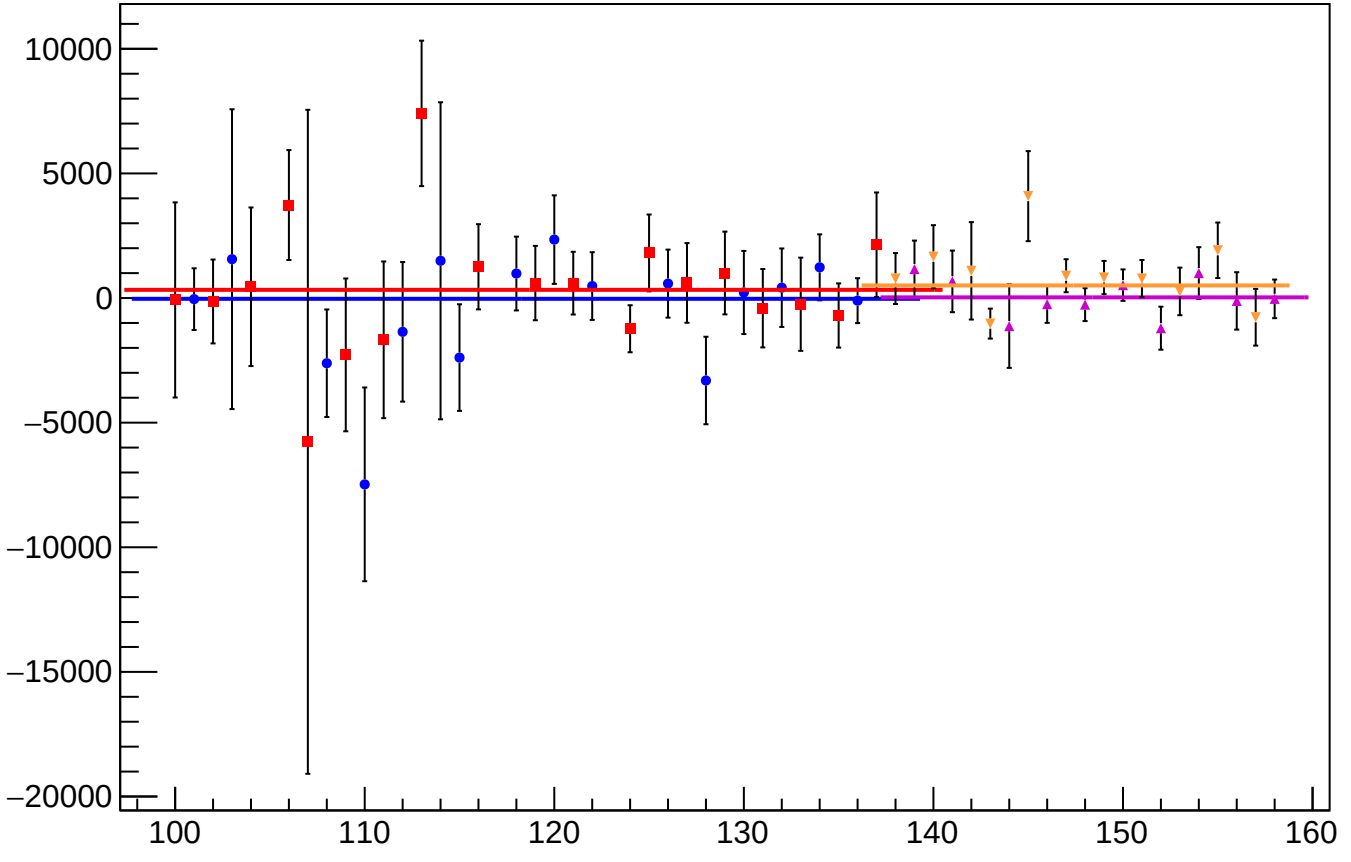
Left In: 2393.484+/-0.573 χ^2/NDF:2141.4/9

+ sign 2475.666+/-0.440 χ^2/NDF: 289665.6/26

All: 2485.412+/-0.312 χ^2/NDF: 907913.9/55

- sign 2495.250+/-0.443 χ^2/NDF: 617264.4/28

asym_atl1_reg_correction_mean vs Slug



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 504.879+/-268.046 χ^2/NDF:15.0/10

Right Out: 328.475+/-398.568 χ^2/NDF: 15.6/18

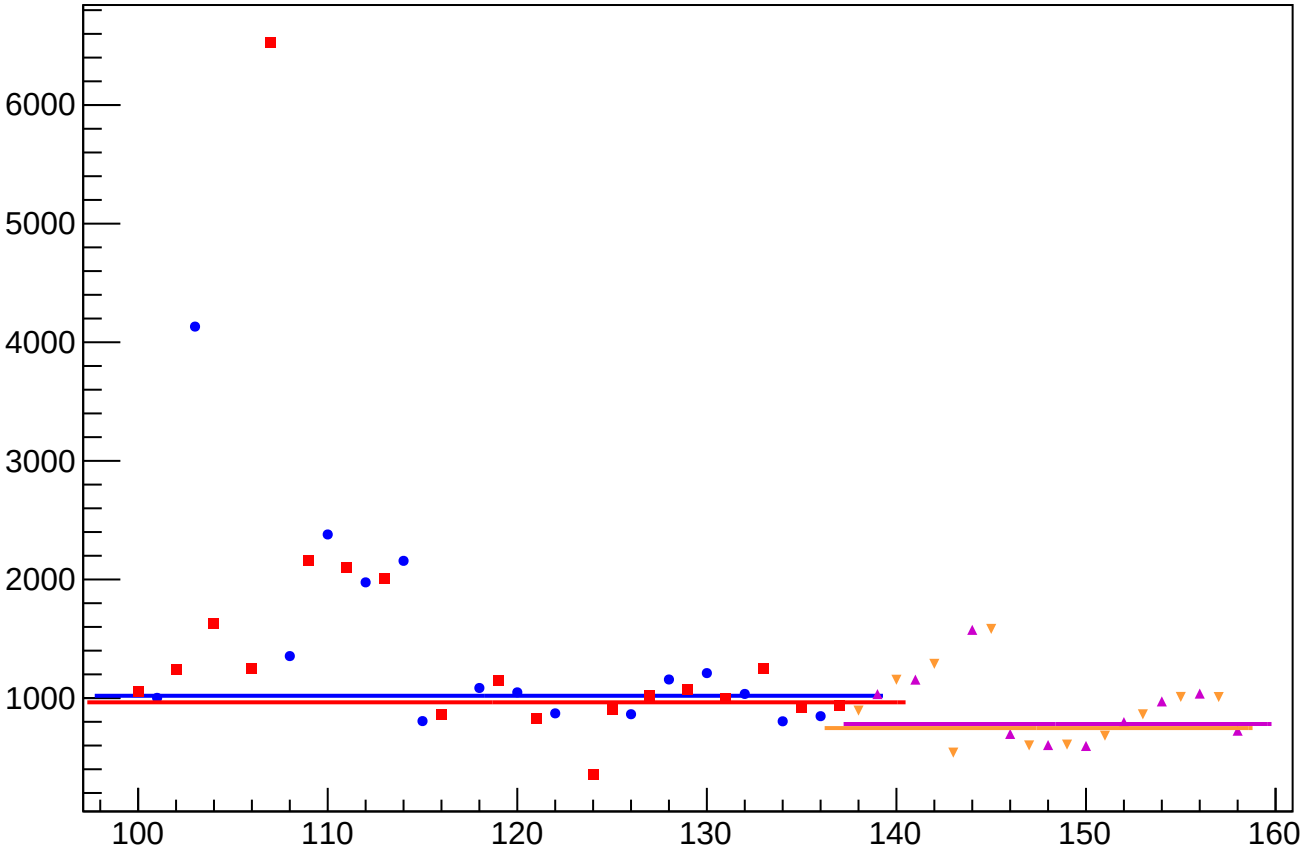
Left In: 26.753+/-276.968 χ^2/NDF:5.6/9

+ sign 341.995+/-223.646 χ^2/NDF: 30.0/26

All: 235.328+/-159.467 χ^2/NDF: 52.1/55

- sign 125.007+/-227.444 χ^2/NDF: 21.6/28

asym_atl1_reg_correction_rms vs Slug



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 747.156+/-0.190 χ^2/NDF:1514102.7/10

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

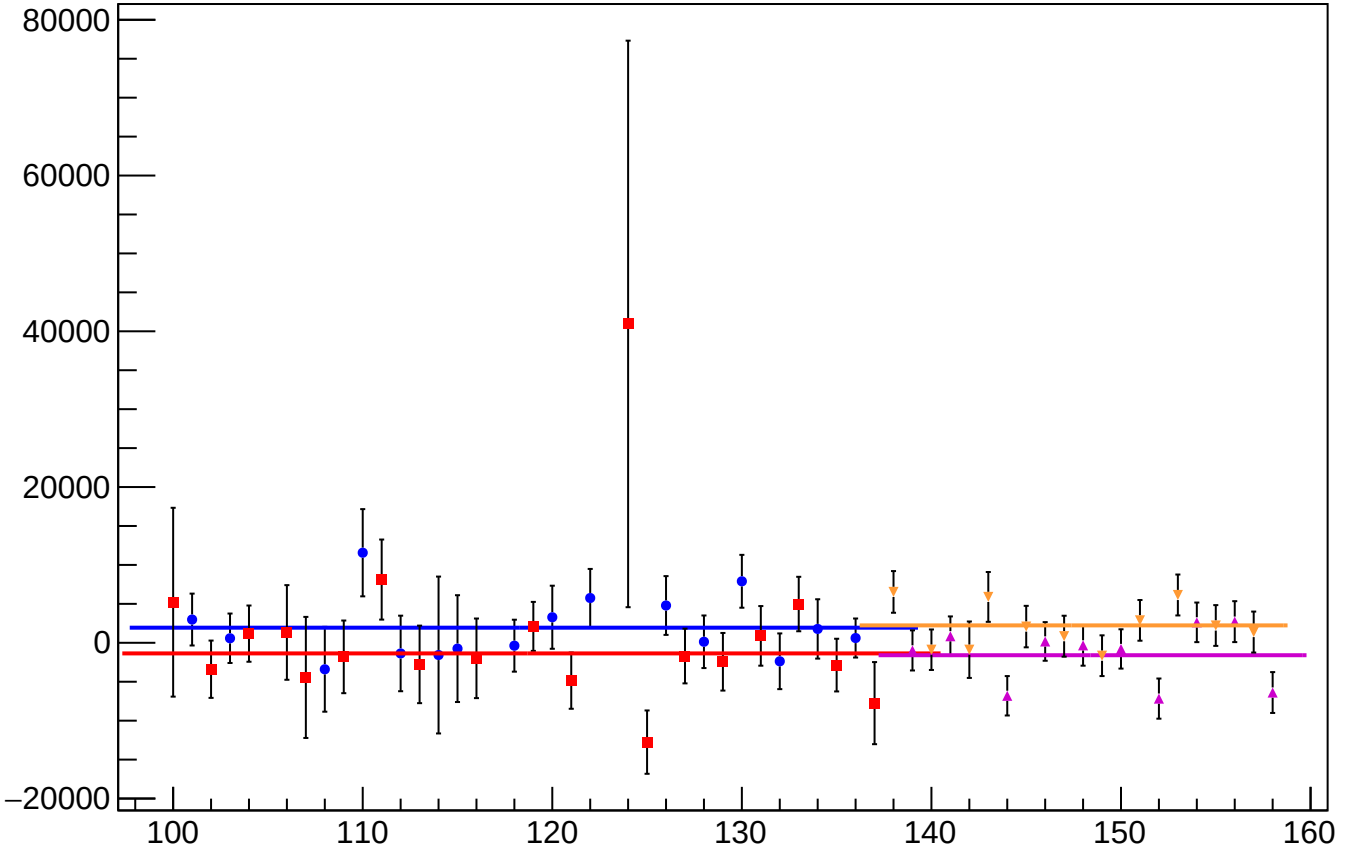
Left In: 781.541+/-0.196 χ^2/NDF:1247225.2/9

+ sign 829.914+/-0.158 χ^2/NDF: 3506296.2/26

All: 835.403+/-0.113 χ^2/NDF: 7349154.2/55

- sign 841.081+/-0.161 χ^2/NDF: 3840406.6/28

cor_asym_atl1_mean vs Slug



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2234.593+/-823.374 χ^2/NDF:10.9/10

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

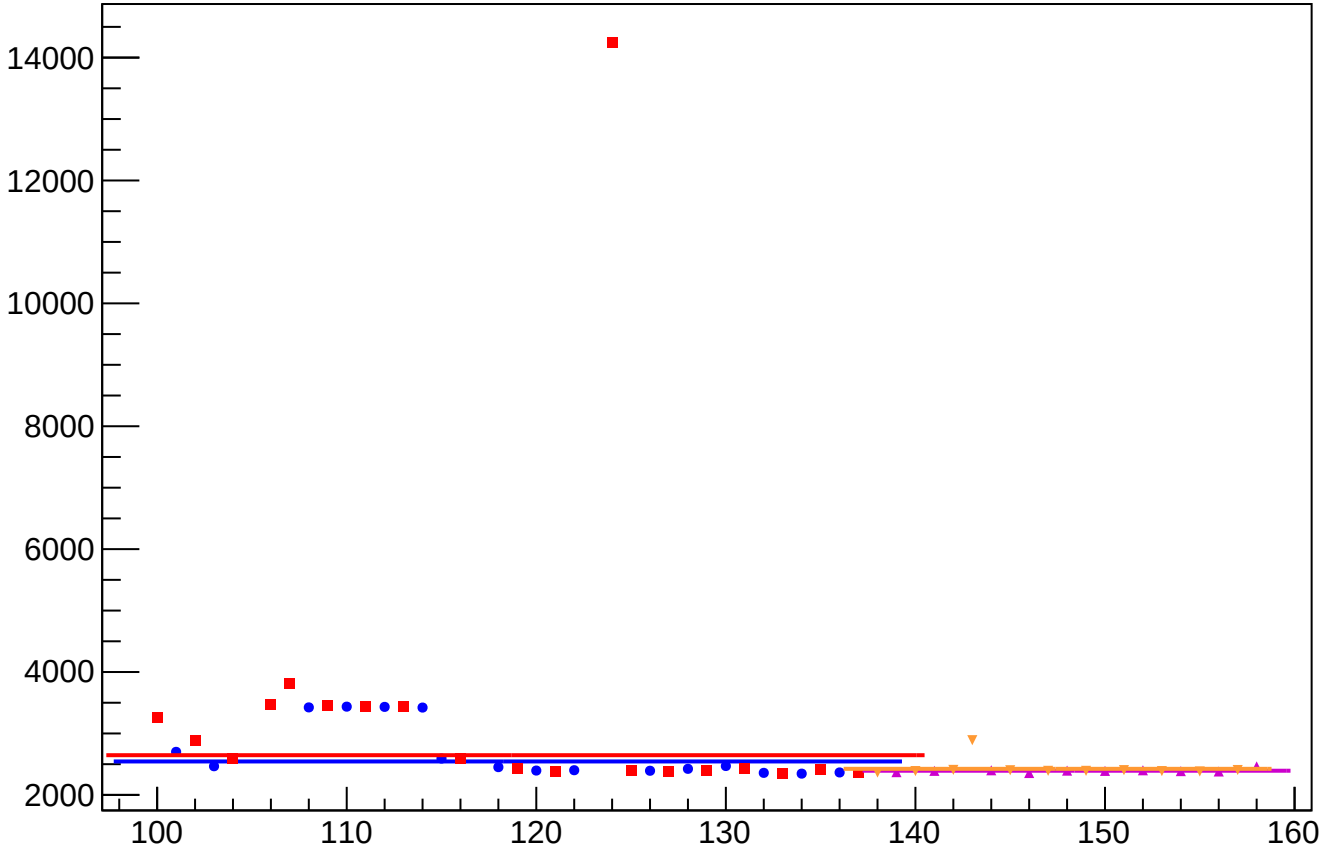
Left In: -1595.771+/-810.349 χ^2/NDF:19.5/9

+ sign 2108.612+/-622.913 χ^2/NDF: 23.2/26

All: 311.987+/-441.518 χ^2/NDF: 81.2/55

- sign -1501.901+/-625.898 χ^2/NDF: 41.2/28

cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2424.296+/-0.582 χ^2/NDF:45848.1/10

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

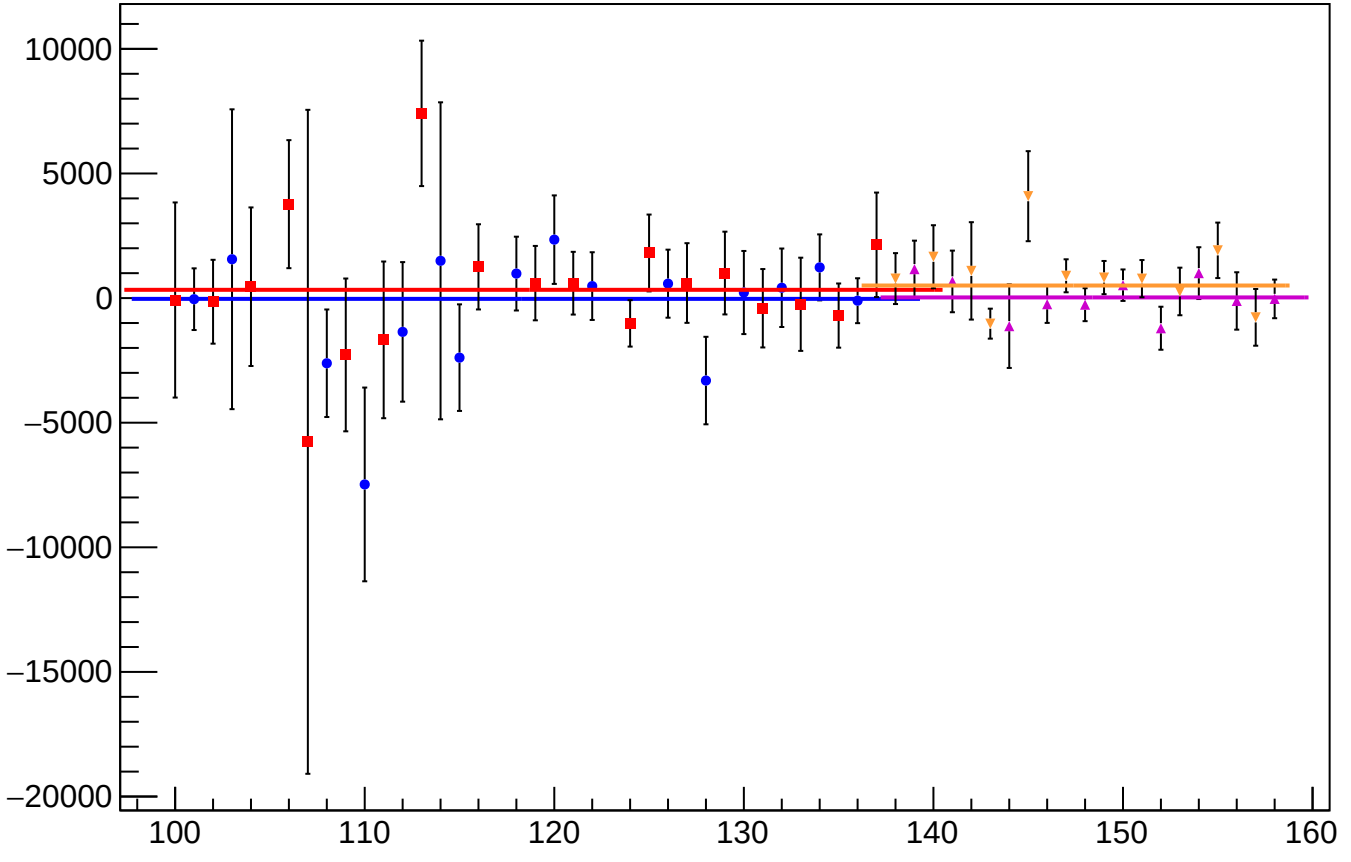
Left In: 2393.484+/-0.573 χ^2/NDF:2141.4/9

+ sign 2475.666+/-0.440 χ^2/NDF: 289665.6/26

All: 2485.504+/-0.312 χ^2/NDF: 910830.9/55

- sign 2495.437+/-0.443 χ^2/NDF: 620162.7/28

asym_atl1_cor_correction_mean vs Slug



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 504.716+/-268.050 χ^2/NDF:15.0/10

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

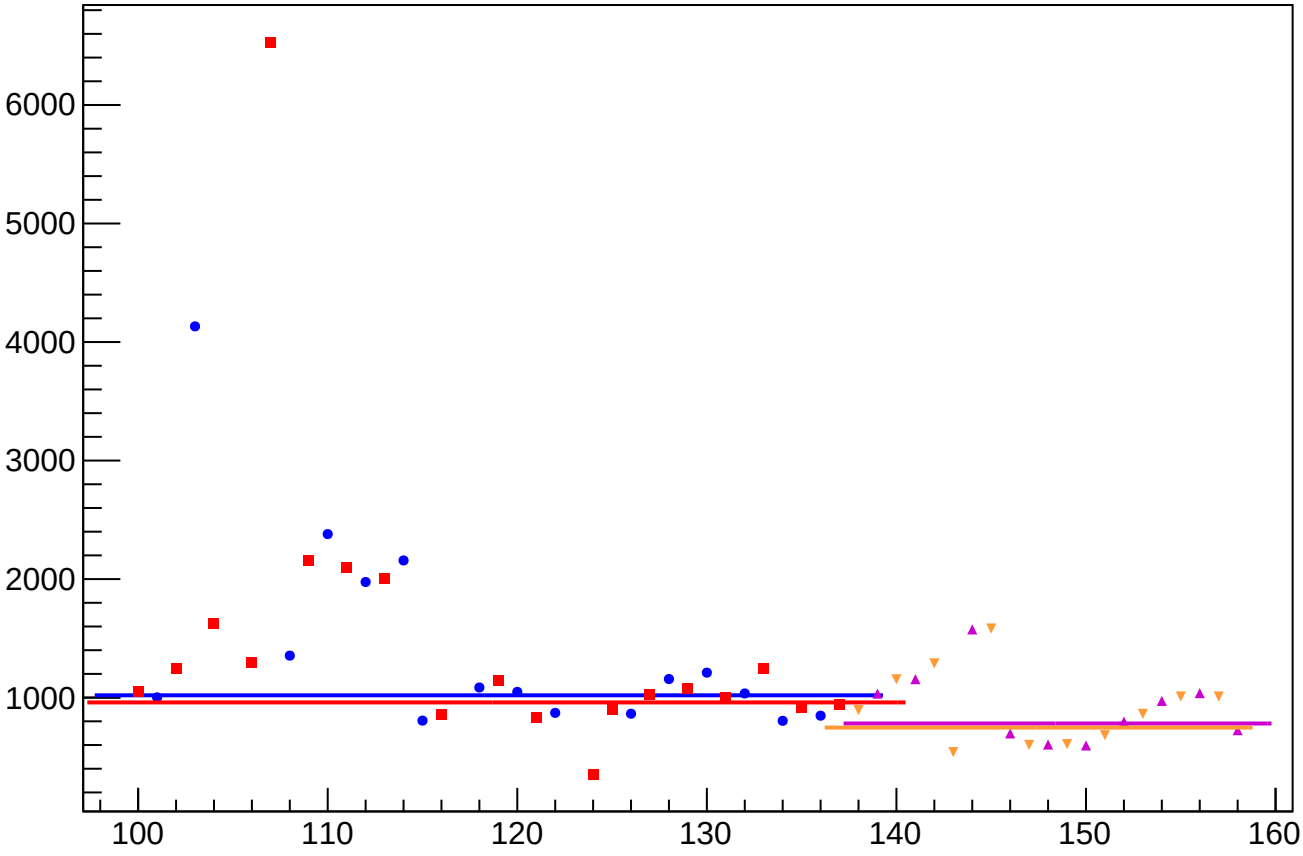
Left In: 26.724+/-276.967 χ^2/NDF:5.6/9

+ sign 341.858+/-223.648 χ^2/NDF: 30.0/26

All: 235.746+/-159.517 χ^2/NDF: 50.9/55

- sign 125.865+/-227.585 χ^2/NDF: 20.4/28

asym_atl1_cor_correction_rms vs Slug



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 747.170+/-0.190 χ^2/NDF:1514088.6/10

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

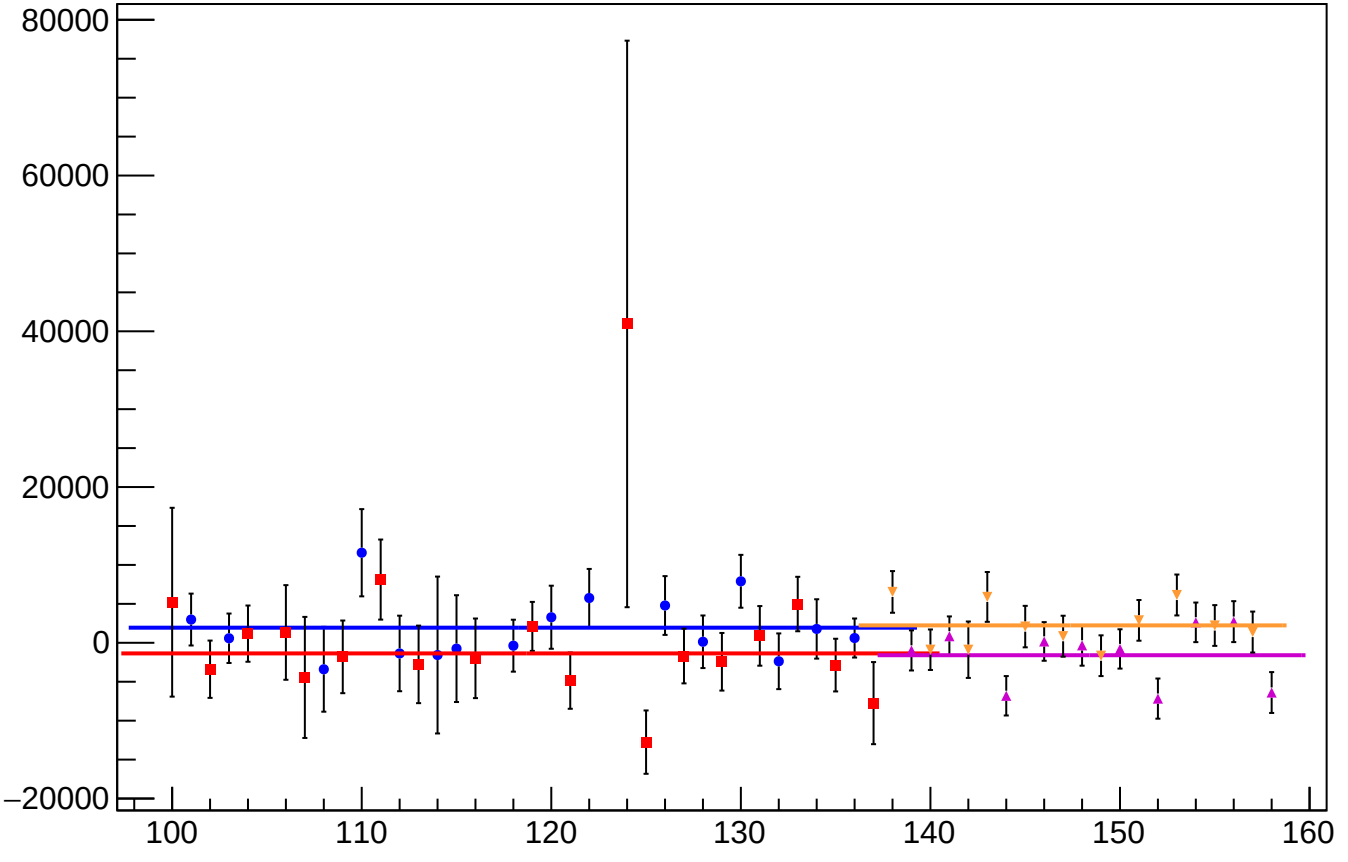
Left In: 781.535+/-0.196 χ^2/NDF:1247320.1/9

\+ sign 829.924+/-0.158 χ^2/NDF: 3506171.2/26

All: 834.524+/-0.113 χ^2/NDF: 7367378.6/55

\- sign 839.287+/-0.161 χ^2/NDF: 3859485.2/28

eigen_cor_asym_atl1_mean vs Slug



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2234.593+/-823.374 χ^2/NDF:10.9/10

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

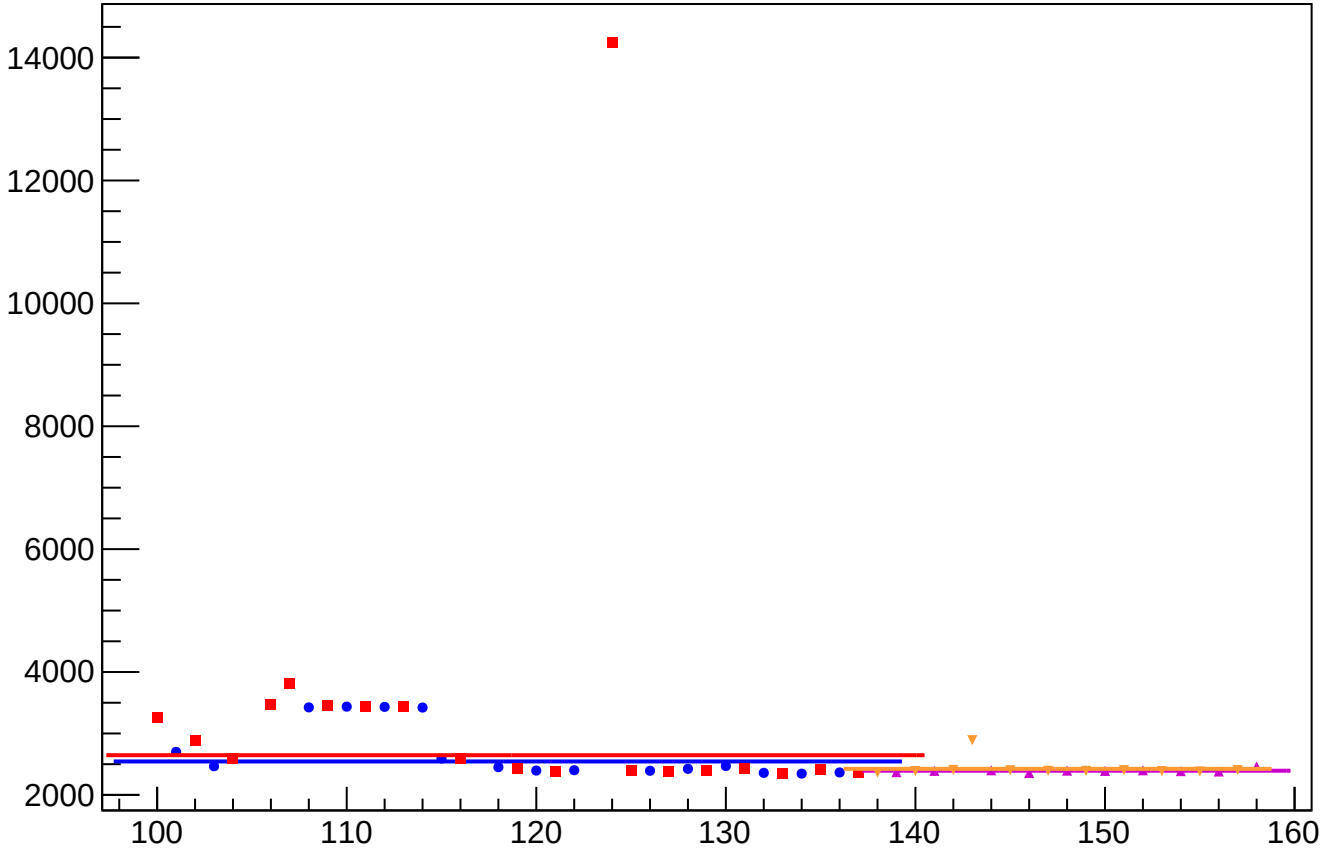
Left In: -1595.771+/-810.349 χ^2/NDF:19.5/9

+ sign 2108.612+/-622.913 χ^2/NDF: 23.2/26

All: 311.987+/-441.518 χ^2/NDF: 81.2/55

- sign -1501.901+/-625.898 χ^2/NDF: 41.2/28

eigen_cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2424.296+/-0.582 χ^2/NDF:45848.1/10

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

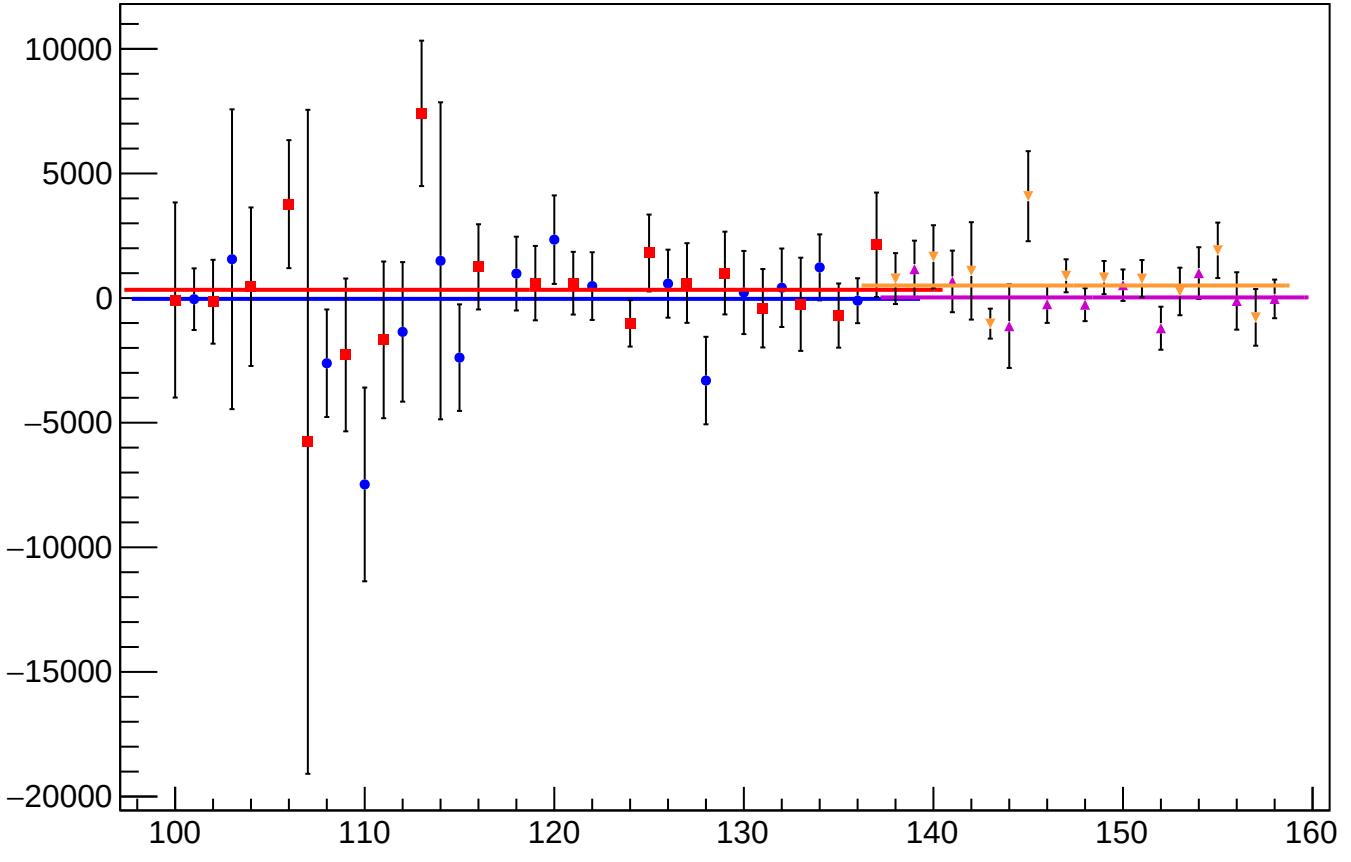
Left In: 2393.484+/-0.573 χ^2/NDF:2141.4/9

+ sign 2475.666+/-0.440 χ^2/NDF: 289665.6/26

All: 2485.504+/-0.312 χ^2/NDF: 910830.9/55

- sign 2495.437+/-0.443 χ^2/NDF: 620162.7/28

asym_atl1_eigen_cor_correction_mean vs Slug



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 504.716+/-268.050 χ^2/NDF:15.0/10

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

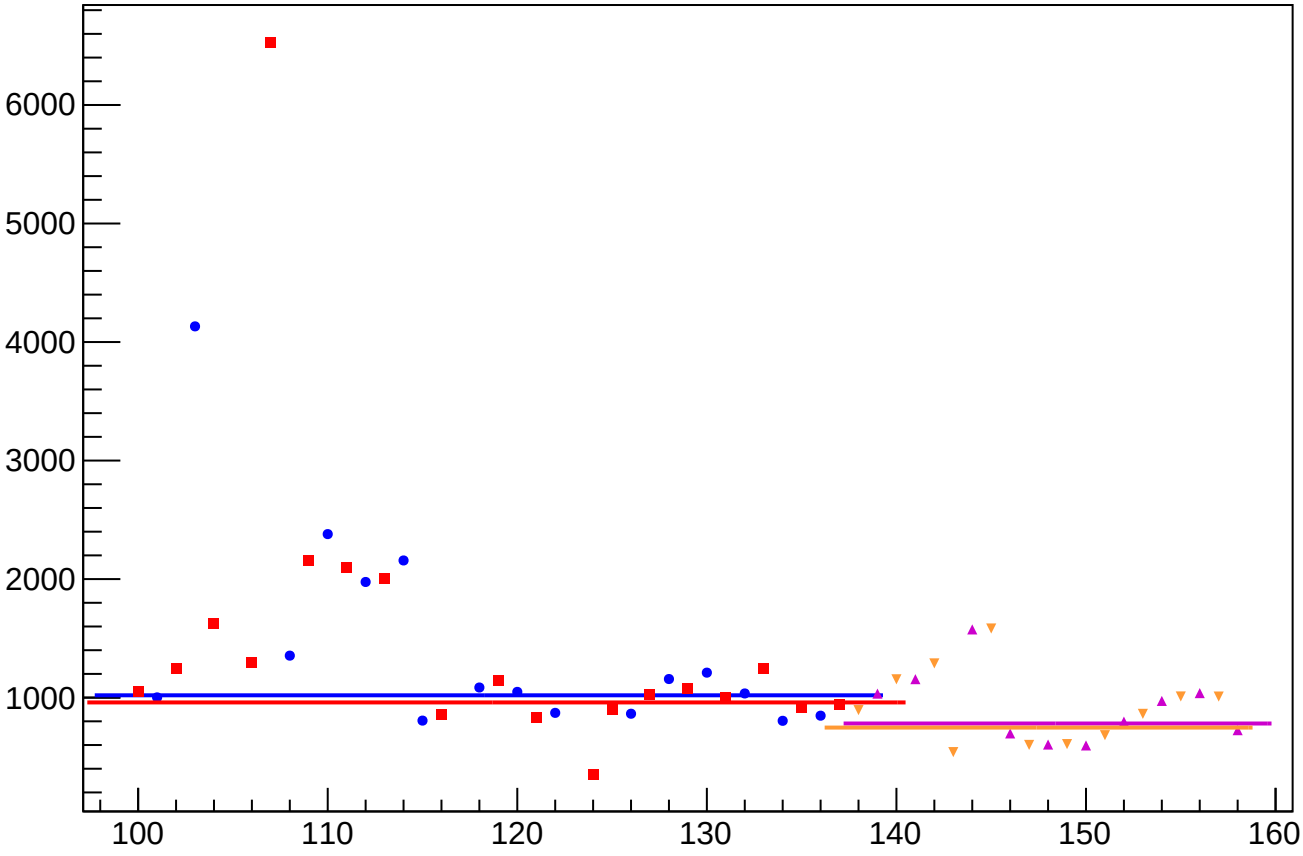
Left In: 26.724+/-276.967 χ^2/NDF:5.6/9

+ sign 341.858+/-223.648 χ^2/NDF: 30.0/26

All: 235.746+/-159.517 χ^2/NDF: 50.9/55

- sign 125.865+/-227.585 χ^2/NDF: 20.4/28

asym_atl1_eigen_cor_correction_rms vs Slug



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 747.170+/-0.190 χ^2/NDF:1514088.6/10

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

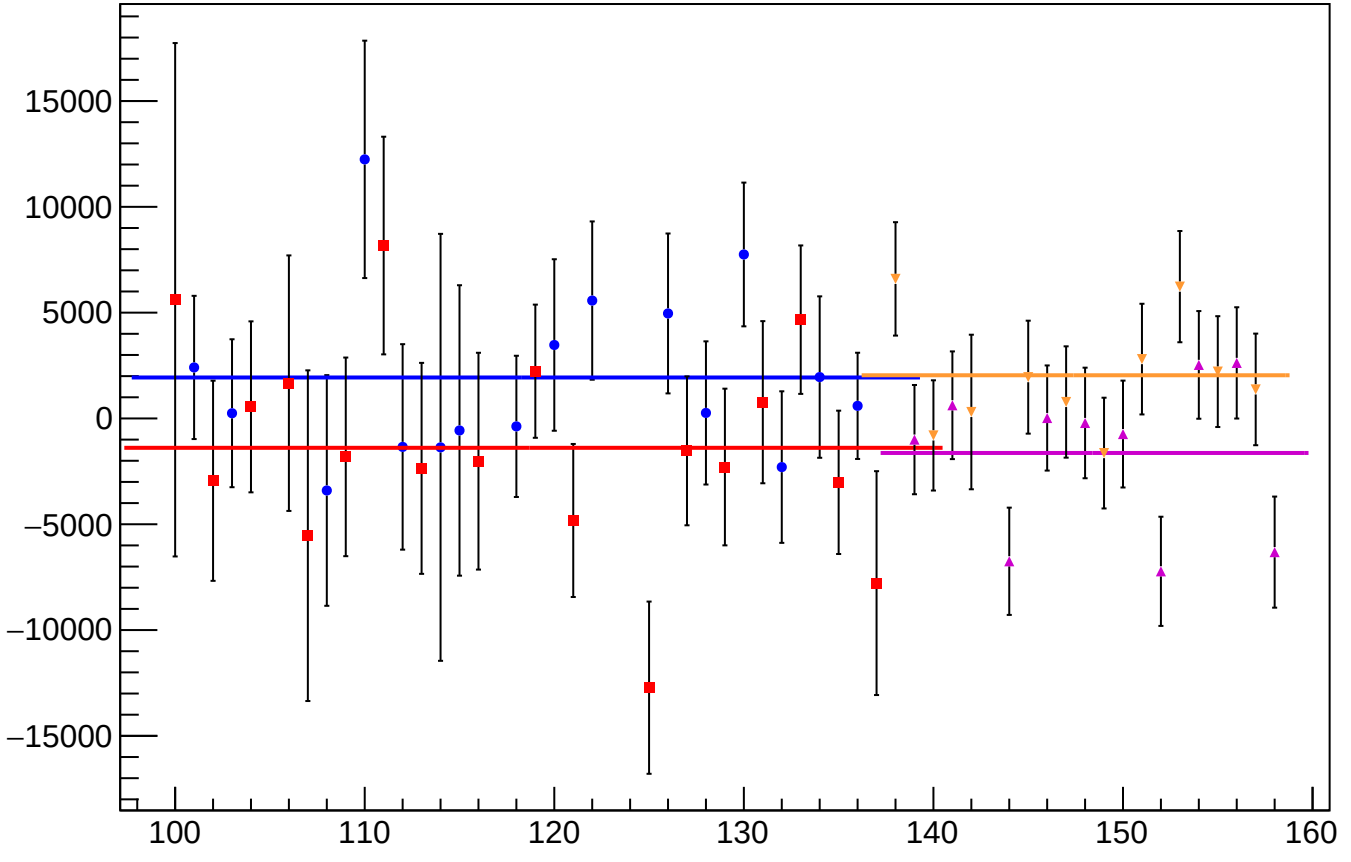
Left In: 781.535+/-0.196 χ^2/NDF:1247320.1/9

\+ sign 829.924+/-0.158 χ^2/NDF: 3506171.2/26

All: 834.524+/-0.113 χ^2/NDF: 7367378.6/55

\- sign 839.287+/-0.161 χ^2/NDF: 3859485.2/28

dit_asym_atl1_mean vs Slug



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 2040.693+/-853.364 χ^2/NDF:9.2/9

Right Out: -1387.548+/-1009.105 χ^2/NDF: 19.8/17

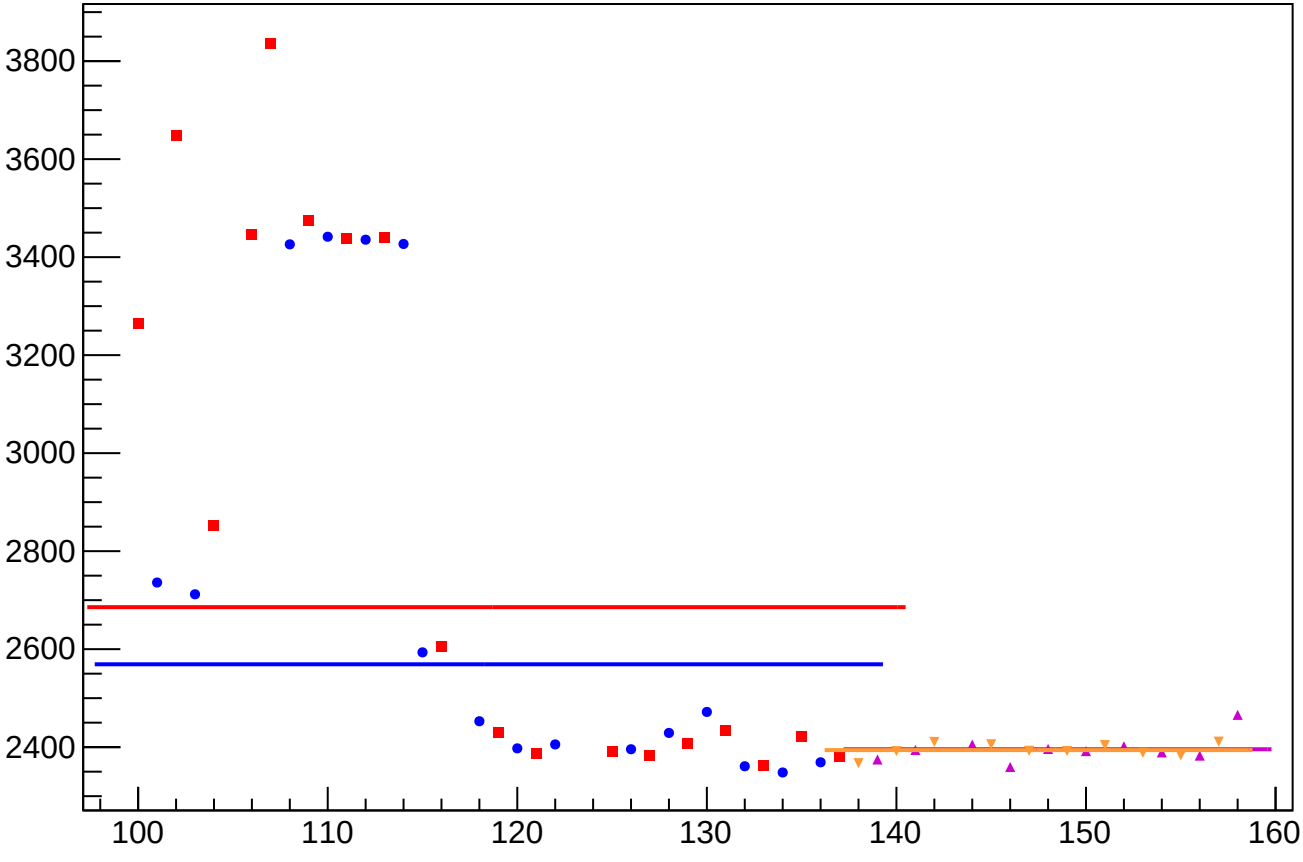
Left In: -1631.203+/-811.125 χ^2/NDF:19.0/9

+ sign 1994.603+/-638.481 χ^2/NDF: 21.6/25

All: 212.085+/-449.240 χ^2/NDF: 75.8/53

- sign -1535.567+/-632.206 χ^2/NDF: 38.8/27

dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2393.993+/-0.603 χ^2/NDF:442.2/9

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

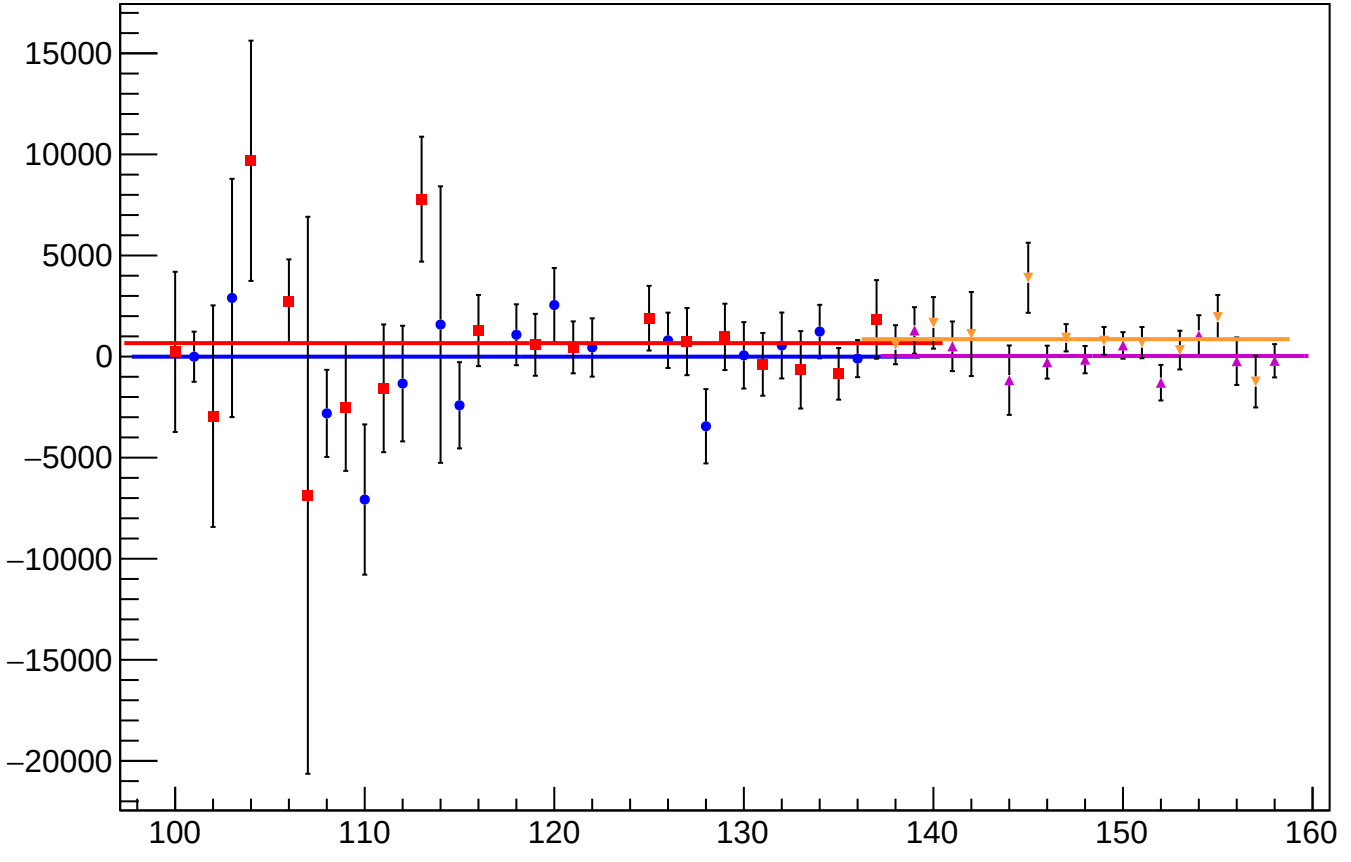
Left In: 2395.760+/-0.574 χ^2/NDF:2092.0/9

+ sign 2471.090+/-0.451 χ^2/NDF: 267012.3/25

All: 2490.511+/-0.318 χ^2/NDF: 792319.8/53

- sign 2509.553+/-0.447 χ^2/NDF: 521642.6/27

asym_atl1_dit_correction_mean vs Slug



Right In: -5.169+/-412.248 χ^2/NDF: 14.5/15

Left Out: 860.920+/-304.628 χ^2/NDF:7.6/9

Right Out: 665.952+/-460.513 χ^2/NDF: 14.4/17

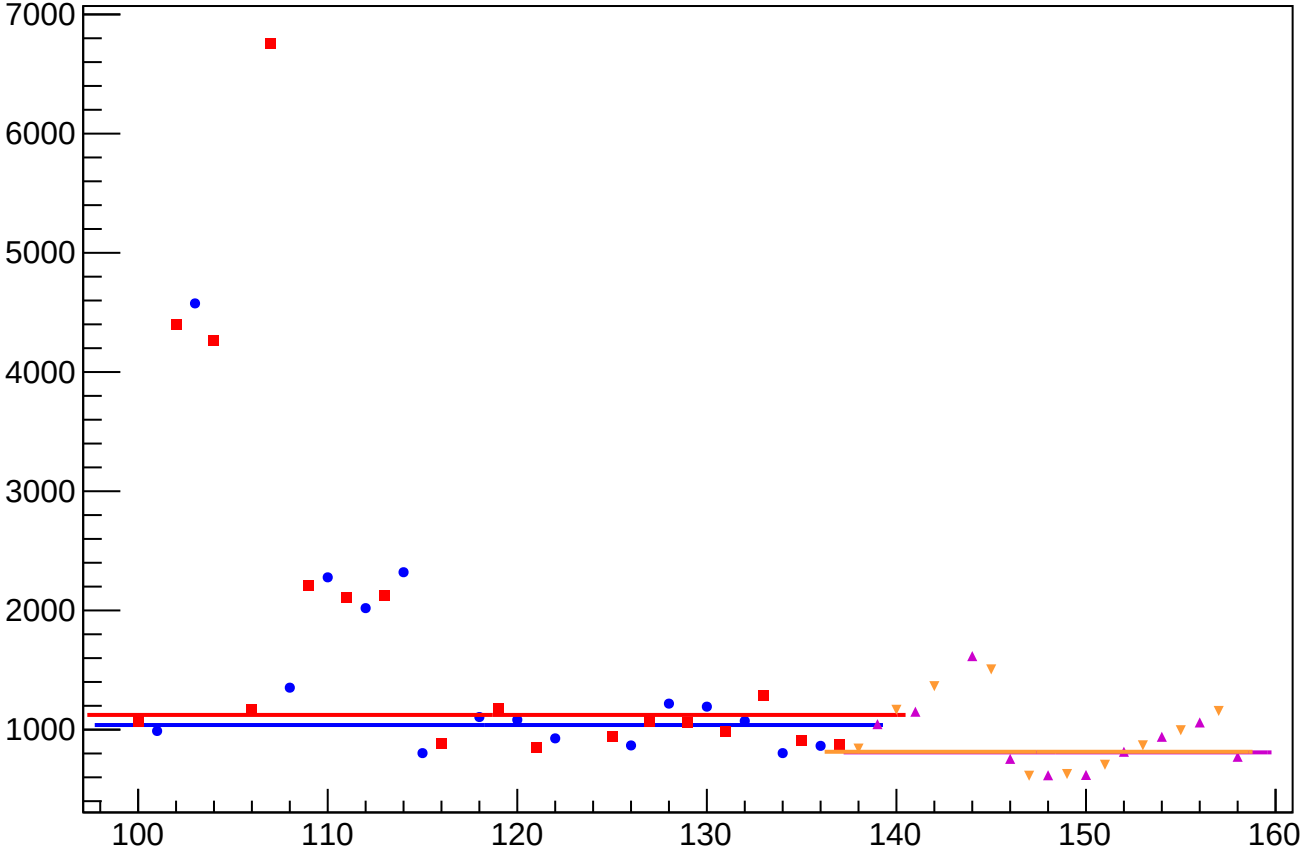
Left In: 28.478+/-285.331 χ^2/NDF:6.1/9

+ sign 555.030+/-244.996 χ^2/NDF: 25.0/25

All: 378.417+/-172.366 χ^2/NDF: 47.9/53

- sign 205.315+/-242.548 χ^2/NDF: 21.9/27

asym_atl1_dit_correction_rms vs Slug



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 814.367+/-0.215 χ^2/NDF:1180364.0/9

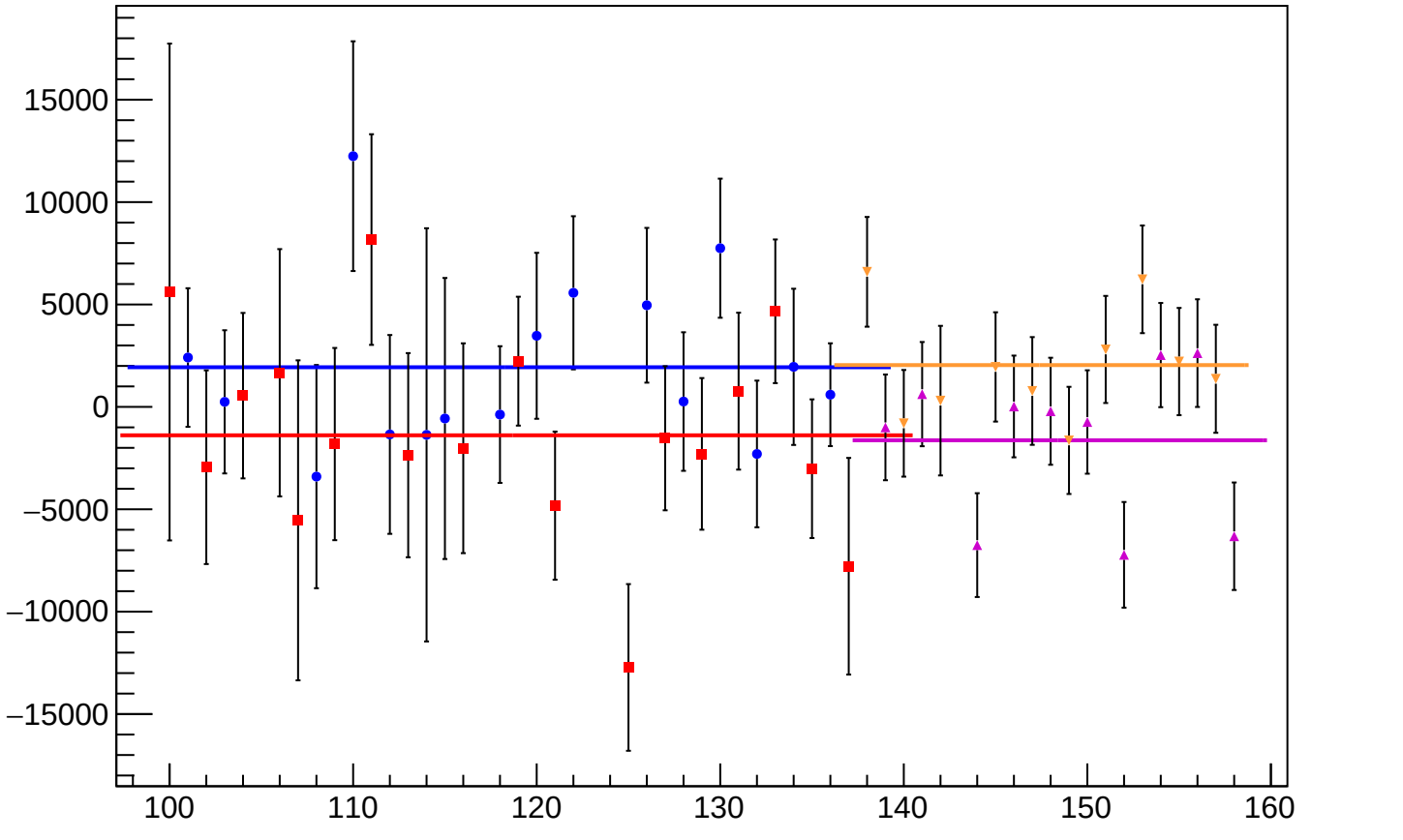
Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

Left In: 809.257+/-0.202 χ^2/NDF:1149126.8/9

+ sign 893.634+/-0.173 χ^2/NDF: 3103519.0/25

All: 895.042+/-0.122 χ^2/NDF: 7461113.5/53

- sign 896.422+/-0.172 χ^2/NDF: 4357463.7/27



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 2040.695+/-853.364 χ^2/NDF:9.2/9

Right Out: -1387.545+/-1009.105 χ^2/NDF: 19.8/17

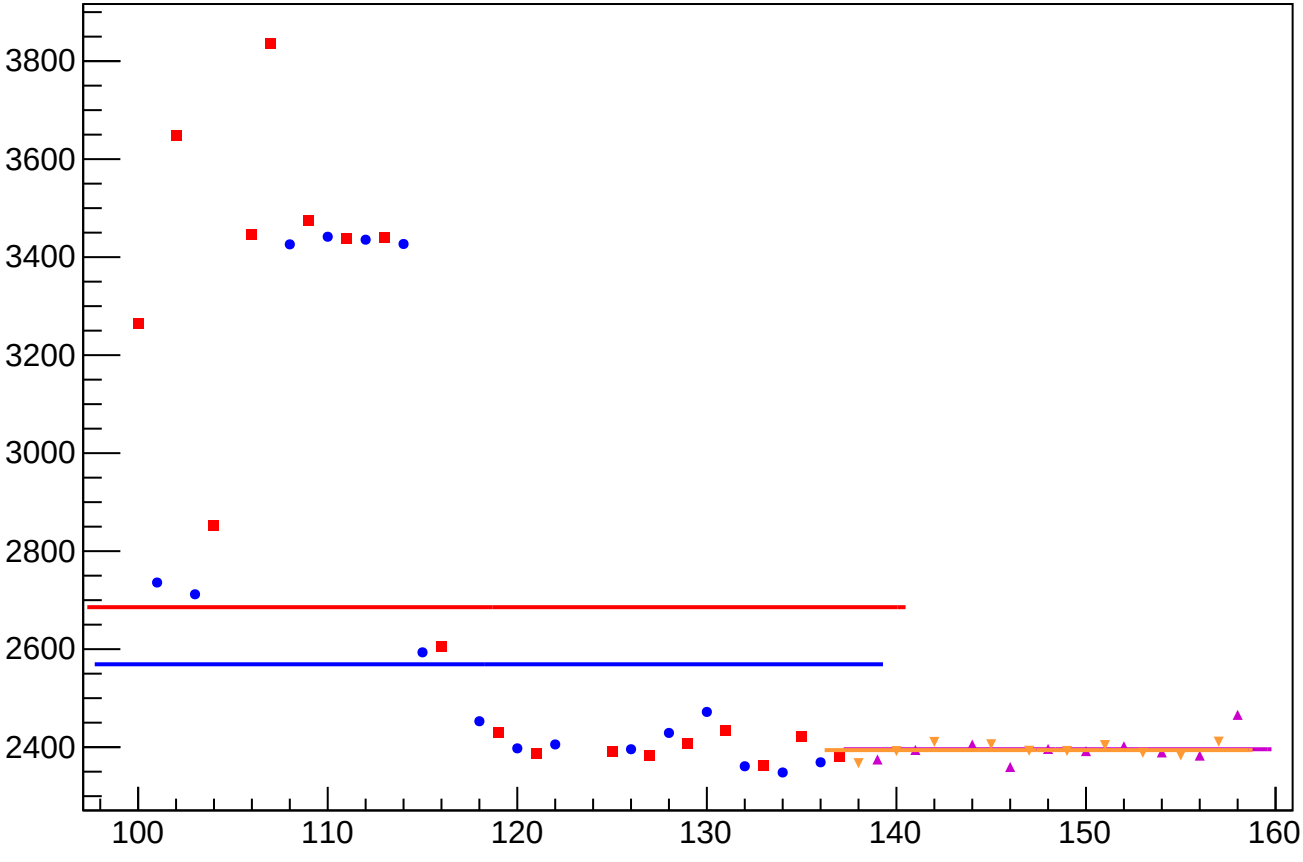
Left In: -1631.203+/-811.125 χ^2/NDF:19.0/9

+ sign 1994.603+/-638.481 χ^2/NDF: 21.6/25

All: 212.086+/-449.240 χ^2/NDF: 75.8/53

- sign -1535.566+/-632.206 χ^2/NDF: 38.8/27

eigen_dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2393.993+/-0.603 χ^2/NDF:442.2/9

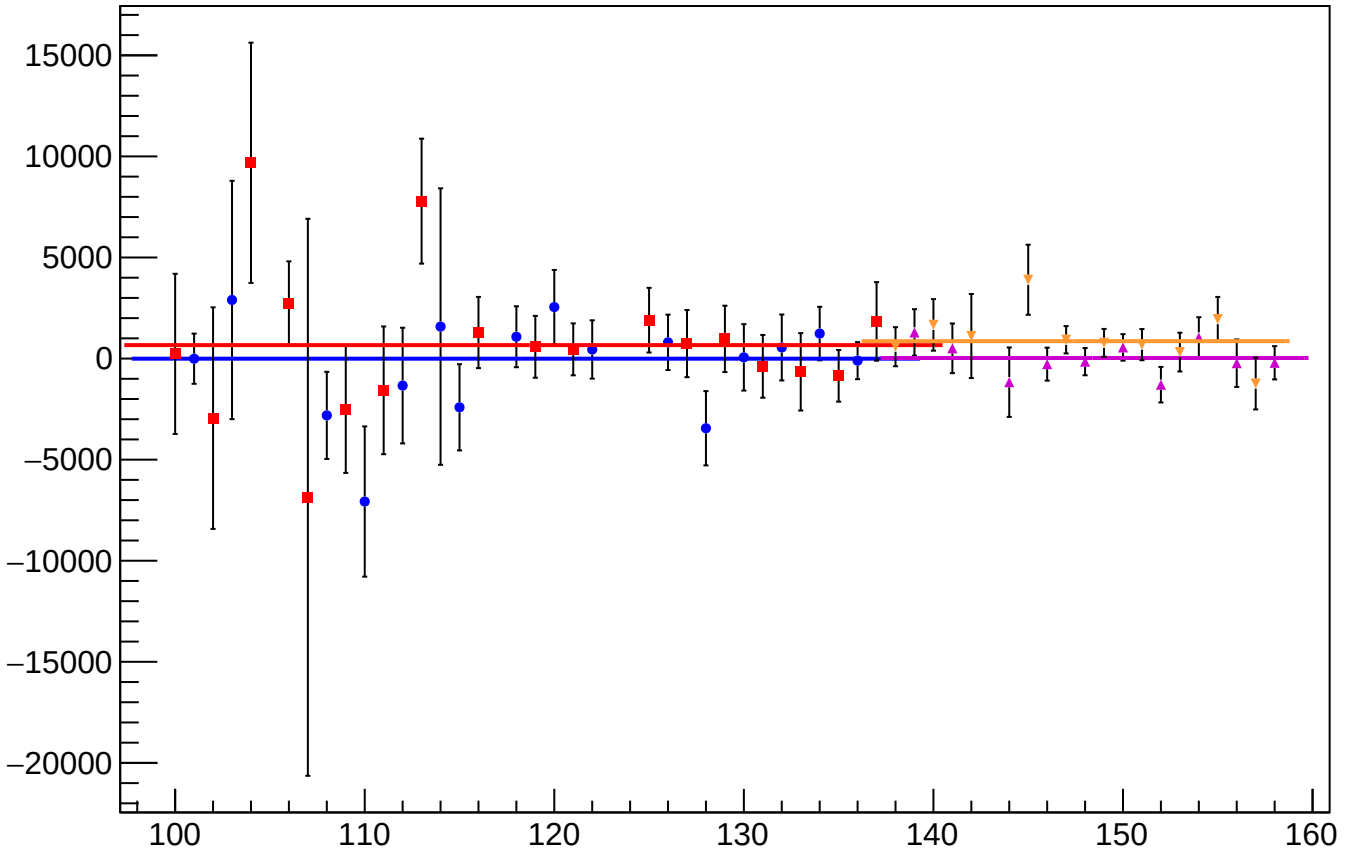
Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

Left In: 2395.760+/-0.574 χ^2/NDF:2092.0/9

+ sign 2471.089+/-0.451 χ^2/NDF: 267011.9/25

All: 2490.511+/-0.318 χ^2/NDF: 792318.6/53

- sign 2509.553+/-0.447 χ^2/NDF: 521641.7/27



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 860.921+/-304.628 χ^2/NDF:7.6/9

Right Out: 665.953+/-460.513 χ^2/NDF: 14.4/17

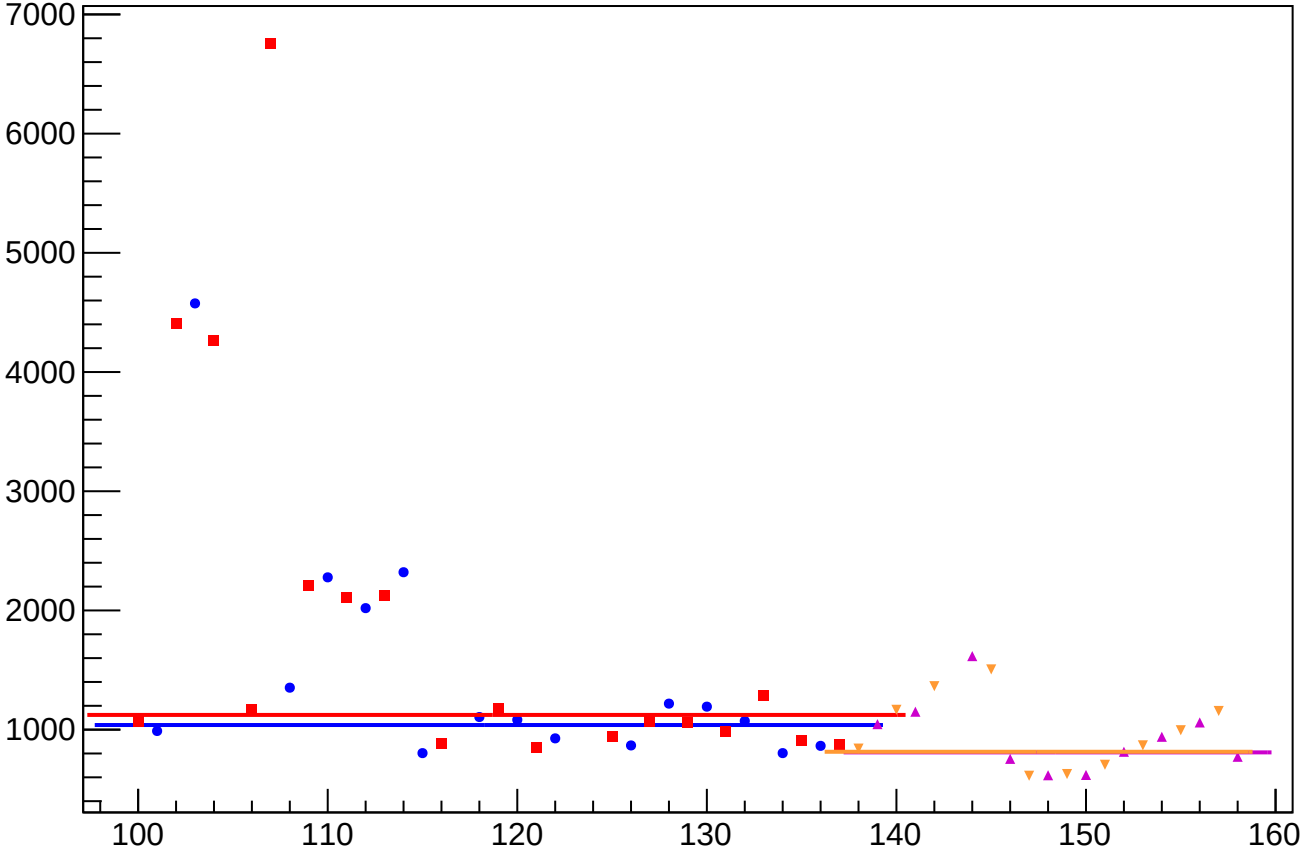
Left In: 28.477+/-285.332 χ^2/NDF:6.1/9

\+ sign 555.029+/-244.997 χ^2/NDF: 25.0/25

All: 378.416+/-172.367 χ^2/NDF: 47.9/53

\- sign 205.315+/-242.548 χ^2/NDF: 21.9/27

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 1038.804+/-0.292 χ^2/NDF: 1539724.8/15

Left Out: 814.368+/-0.215 χ^2/NDF:1180361.7/9

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

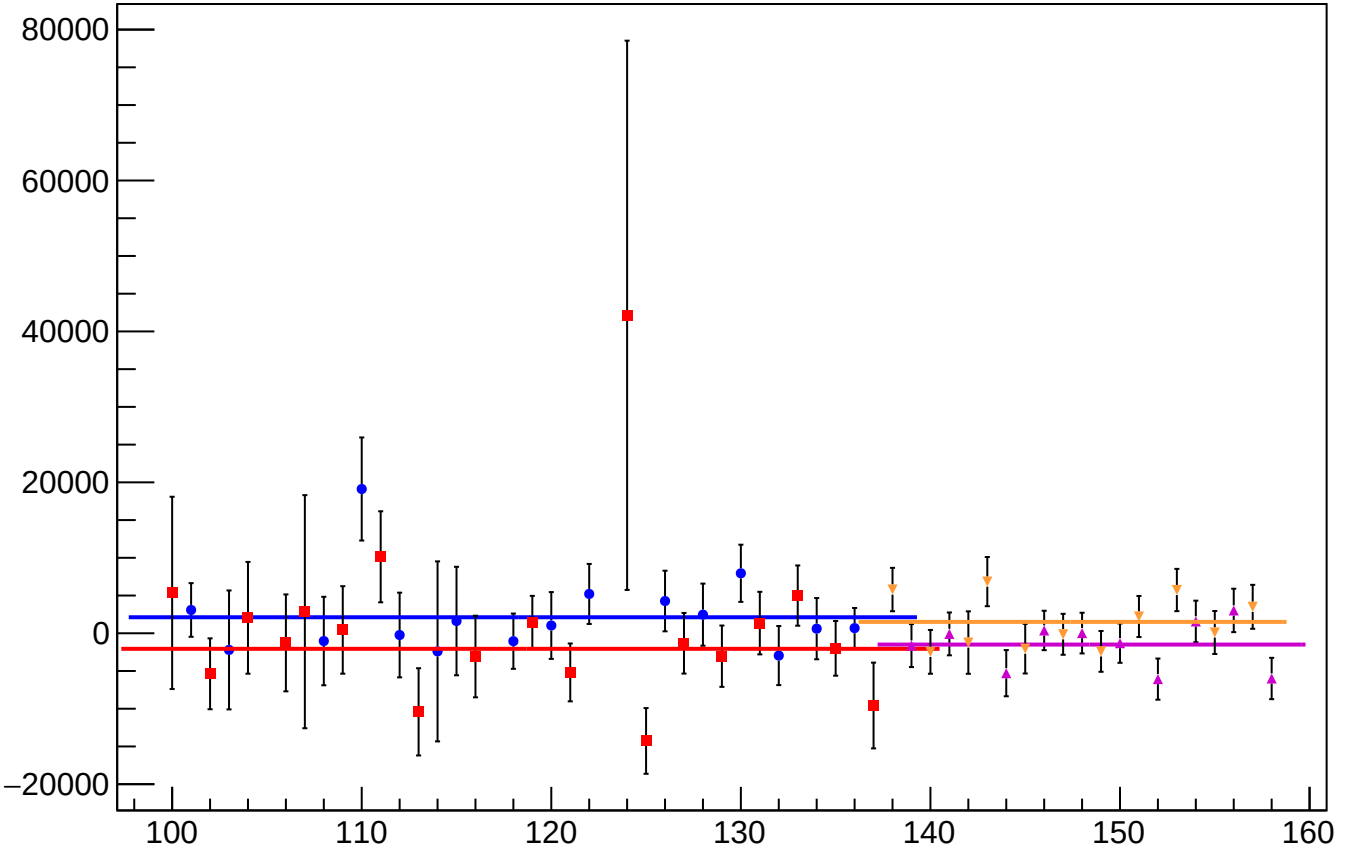
Left In: 809.259+/-0.202 χ^2/NDF:1149124.2/9

\+ sign 893.635+/-0.173 χ^2/NDF: 3103508.0/25

All: 895.043+/-0.122 χ^2/NDF: 7461091.6/53

\- sign 896.423+/-0.172 χ^2/NDF: 4357452.9/27

asym_atl1_mean vs Slug



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 1507.449+/-890.500 χ^2/NDF:13.9/10

Right Out: -2059.741+/-1136.807 χ^2/NDF: 24.3/18

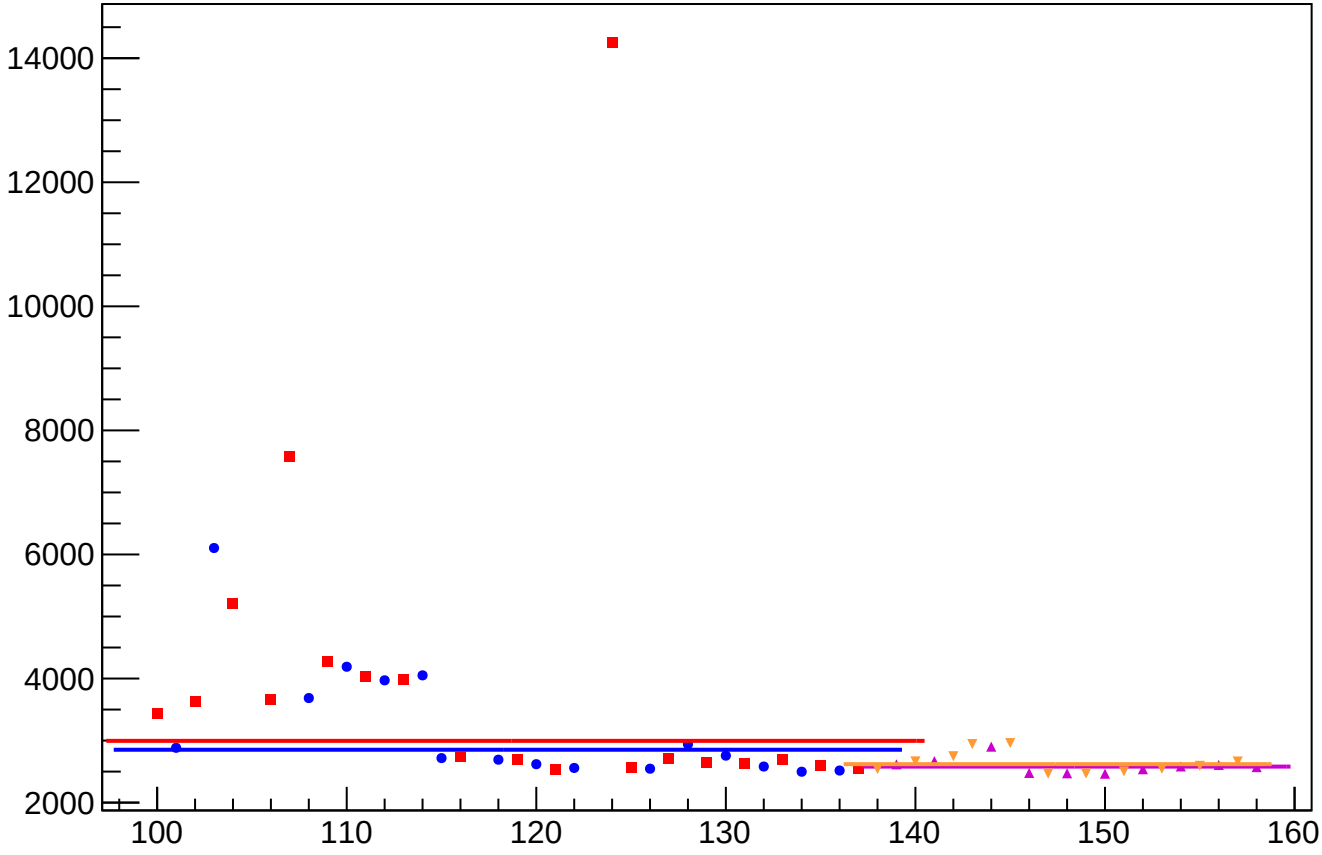
Left In: -1496.258+/-874.773 χ^2/NDF:11.8/9

+ sign 1754.877+/-688.269 χ^2/NDF: 27.5/26

All: 37.068+/-488.440 χ^2/NDF: 76.3/55

- sign -1705.823+/-693.276 χ^2/NDF: 36.3/28

asym_atl1_rms vs Slug



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2619.679+/-0.630 χ^2/NDF:63122.1/10

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

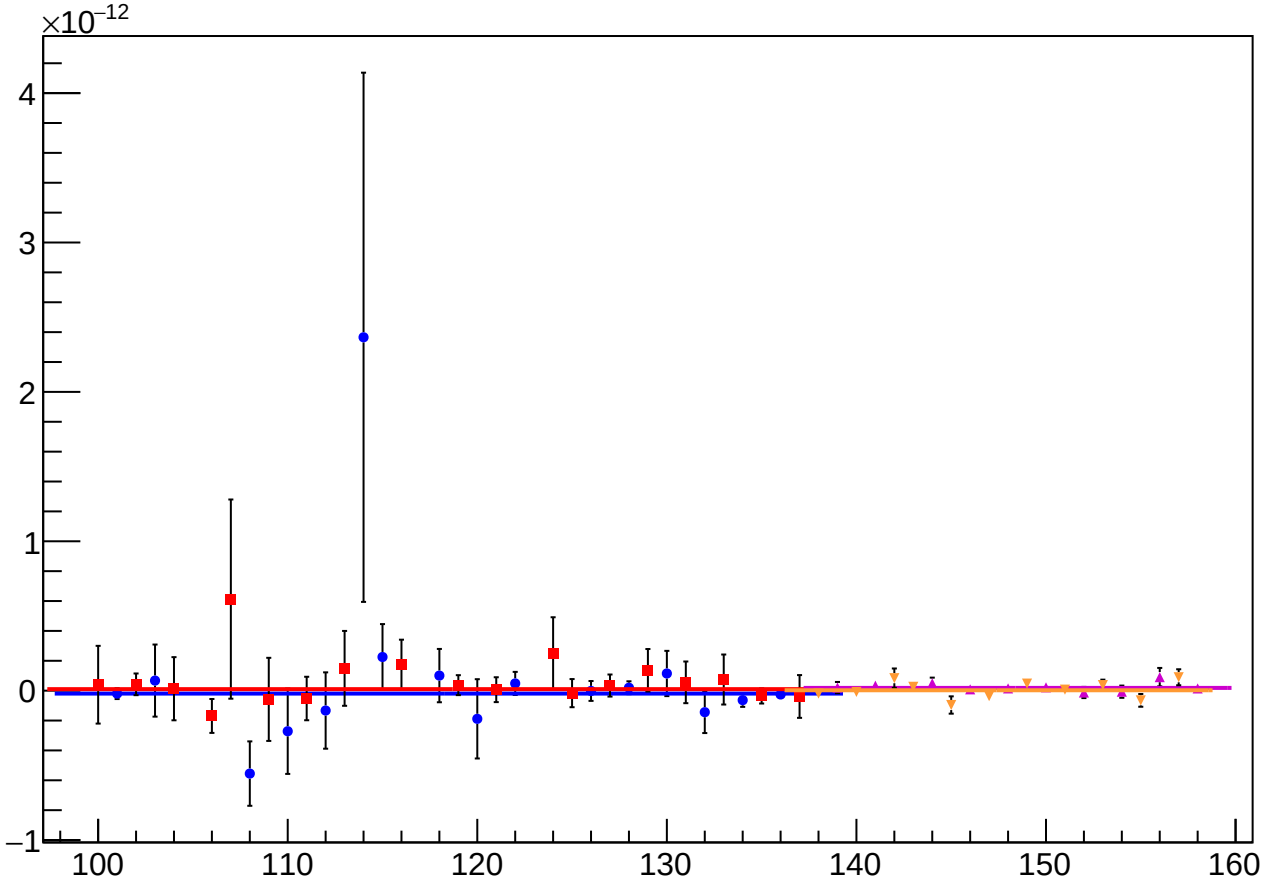
Left In: 2580.551+/-0.619 χ^2/NDF:35154.9/9

+ sign 2713.300+/-0.487 χ^2/NDF: 766741.4/26

All: 2724.014+/-0.345 χ^2/NDF: 1949427.7/55

- sign 2734.884+/-0.490 χ^2/NDF: 1181709.9/28

asym_atl1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.5/10

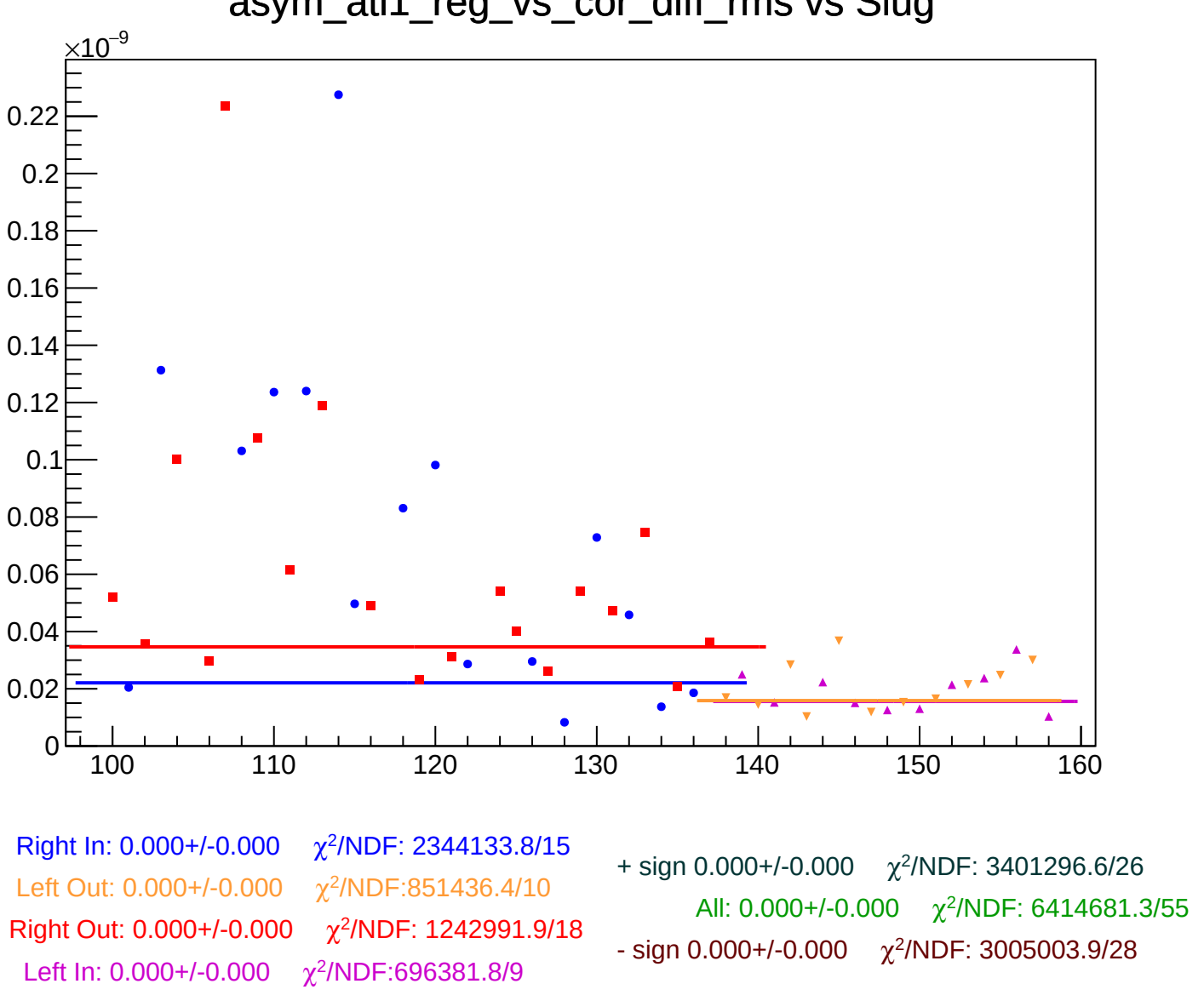
Right Out: 0.000+/-0.000 χ^2/NDF: 8.3/18

Left In: 0.000+/-0.000 χ^2/NDF:3.5/9

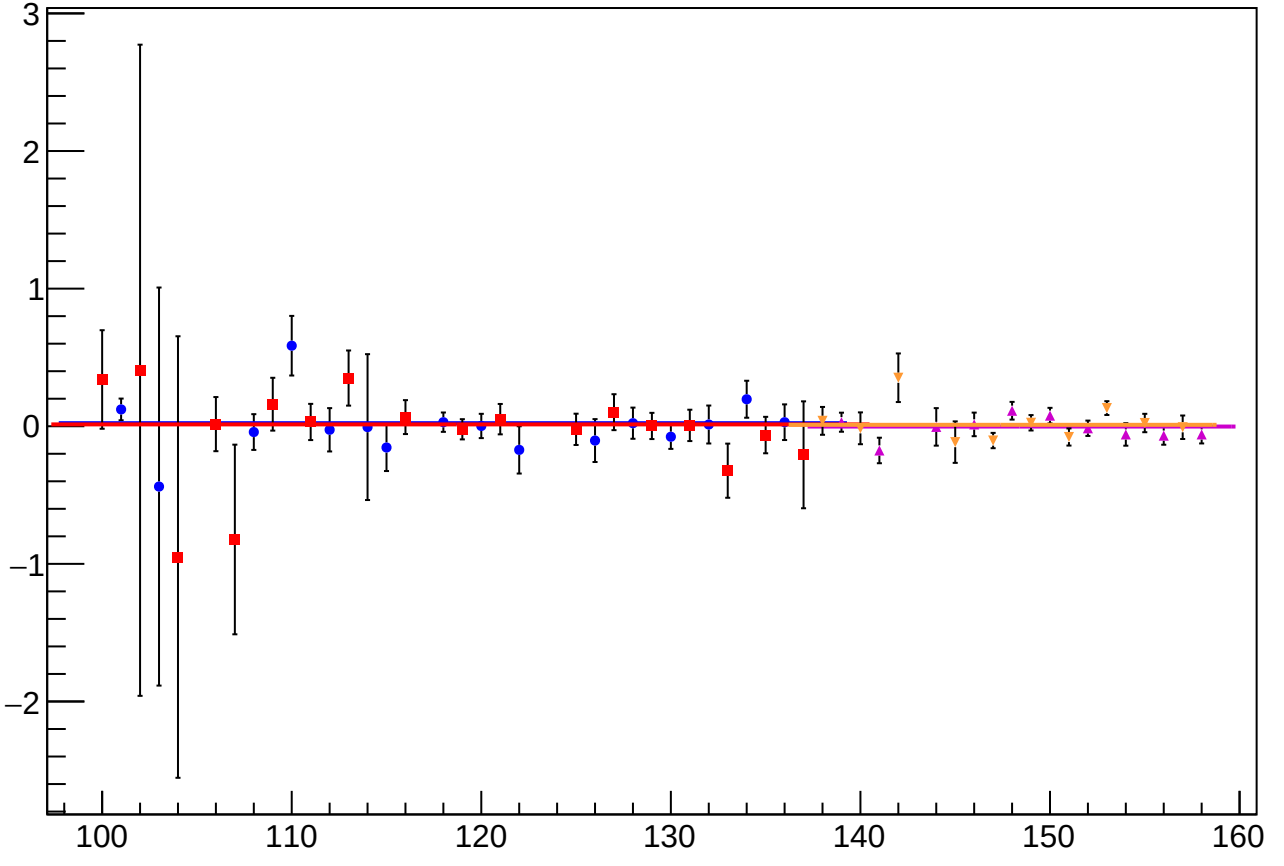
+ sign -0.000+/-0.000 χ^2/NDF: 35.2/26

All: 0.000+/-0.000 χ^2/NDF: 50.0/55

- sign 0.000+/-0.000 χ^2/NDF: 12.0/28


asym_atl1_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2344133.8/15
Left Out: 0.000+/-0.000 χ²/NDF:851436.4/10
Right Out: 0.000+/-0.000 χ²/NDF: 1242991.9/18
Left In: 0.000+/-0.000 χ²/NDF:696381.8/9
+ sign 0.000+/-0.000 χ²/NDF: 3401296.6/26
All: 0.000+/-0.000 χ²/NDF: 6414681.3/55
- sign 0.000+/-0.000 χ²/NDF: 3005003.9/28

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.010+/-0.023 χ^2/NDF:16.8/9

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

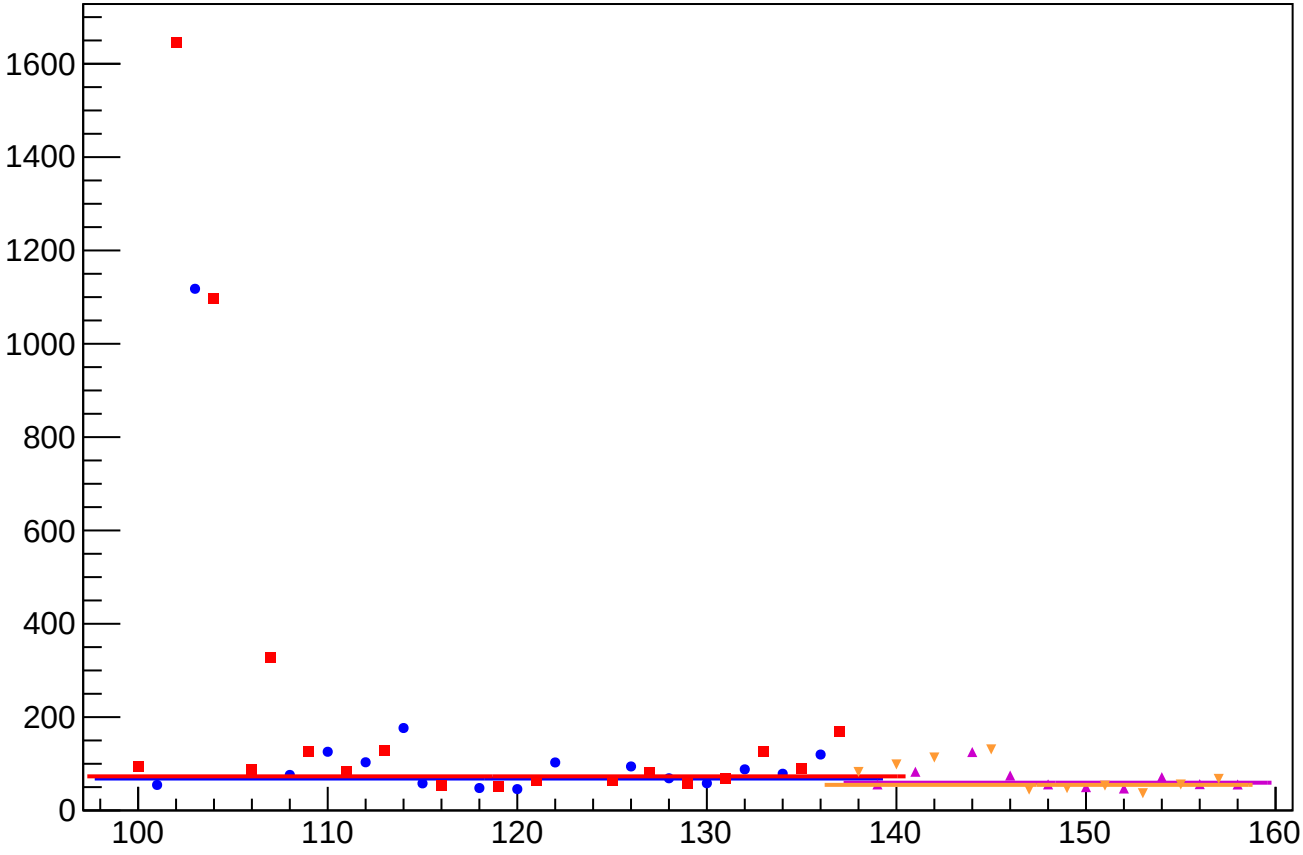
Left In: -0.002+/-0.022 χ^2/NDF:11.2/9

+ sign 0.015+/-0.018 χ^2/NDF: 31.7/25

All: 0.009+/-0.013 χ^2/NDF: 54.2/53

- sign 0.003+/-0.019 χ^2/NDF: 22.2/27

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 54.853+/-0.016 χ^2/NDF:1565764.3/9

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

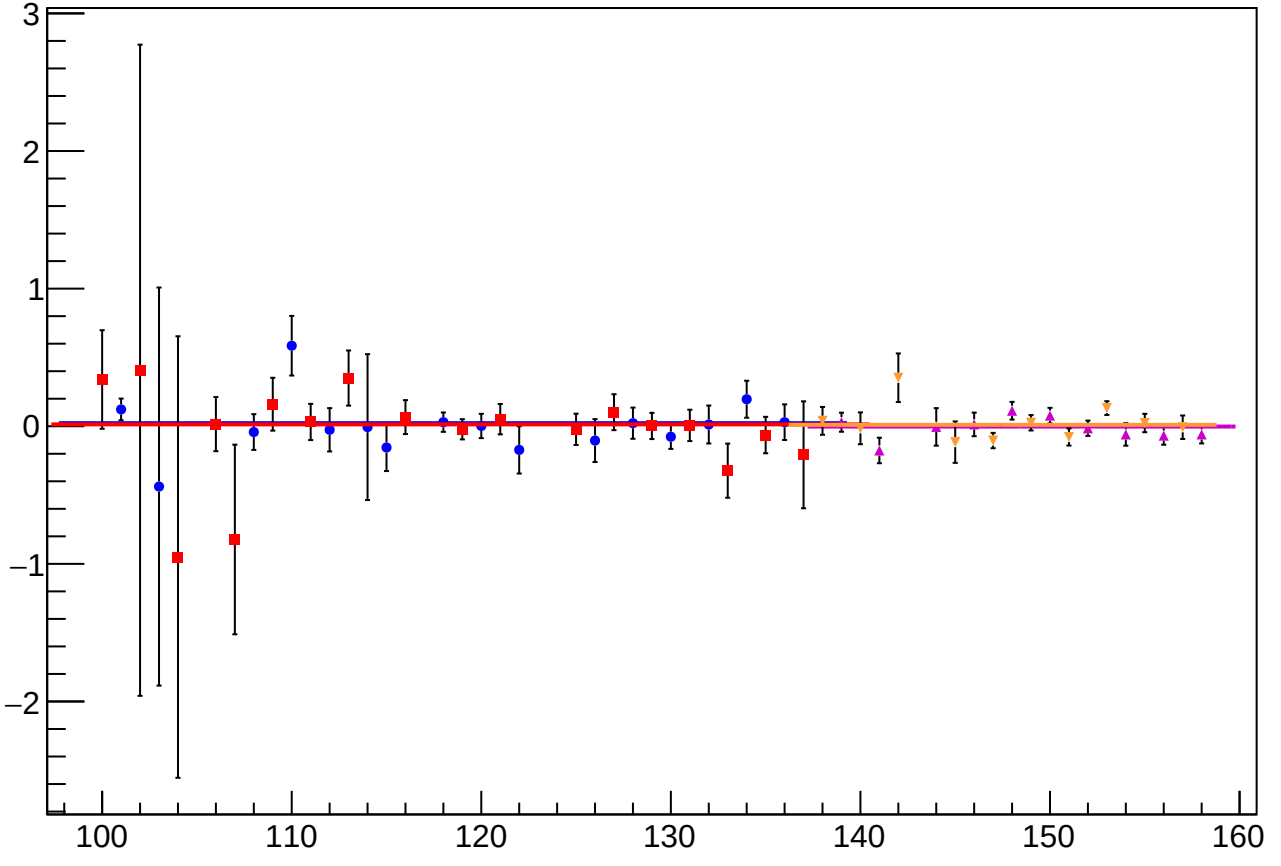
Left In: 59.473+/-0.016 χ^2/NDF:878674.4/9

+ sign 59.818+/-0.013 χ^2/NDF: 4101069.8/25

All: 61.705+/-0.009 χ^2/NDF: 8164833.3/53

- sign 63.666+/-0.013 χ^2/NDF: 4020078.9/27

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.010+/-0.023 χ^2/NDF:16.8/9

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

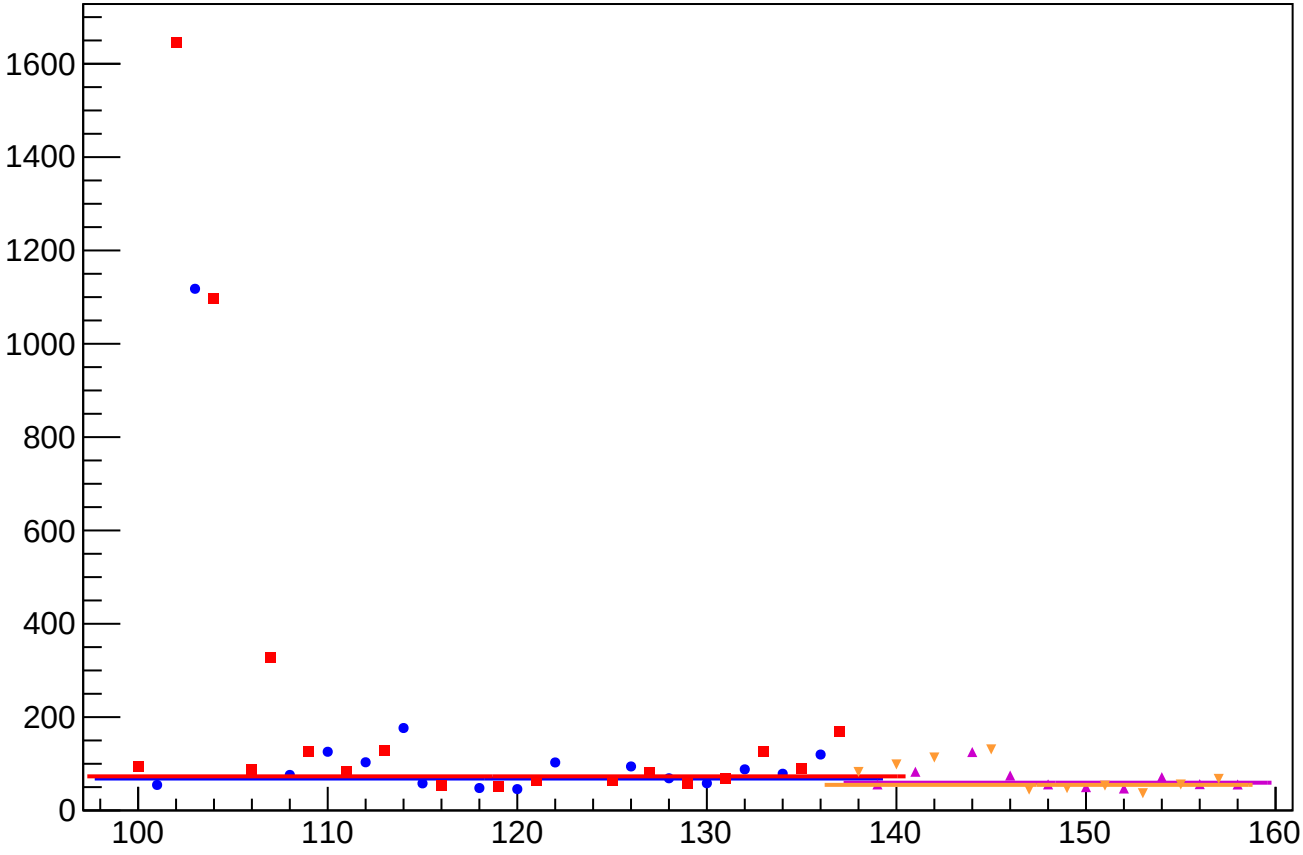
Left In: -0.002+/-0.022 χ^2/NDF:11.2/9

+ sign 0.015+/-0.018 χ^2/NDF: 31.7/25

All: 0.009+/-0.013 χ^2/NDF: 54.2/53

- sign 0.003+/-0.019 χ^2/NDF: 22.2/27

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 54.853+/-0.016 χ^2/NDF:1565764.3/9

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

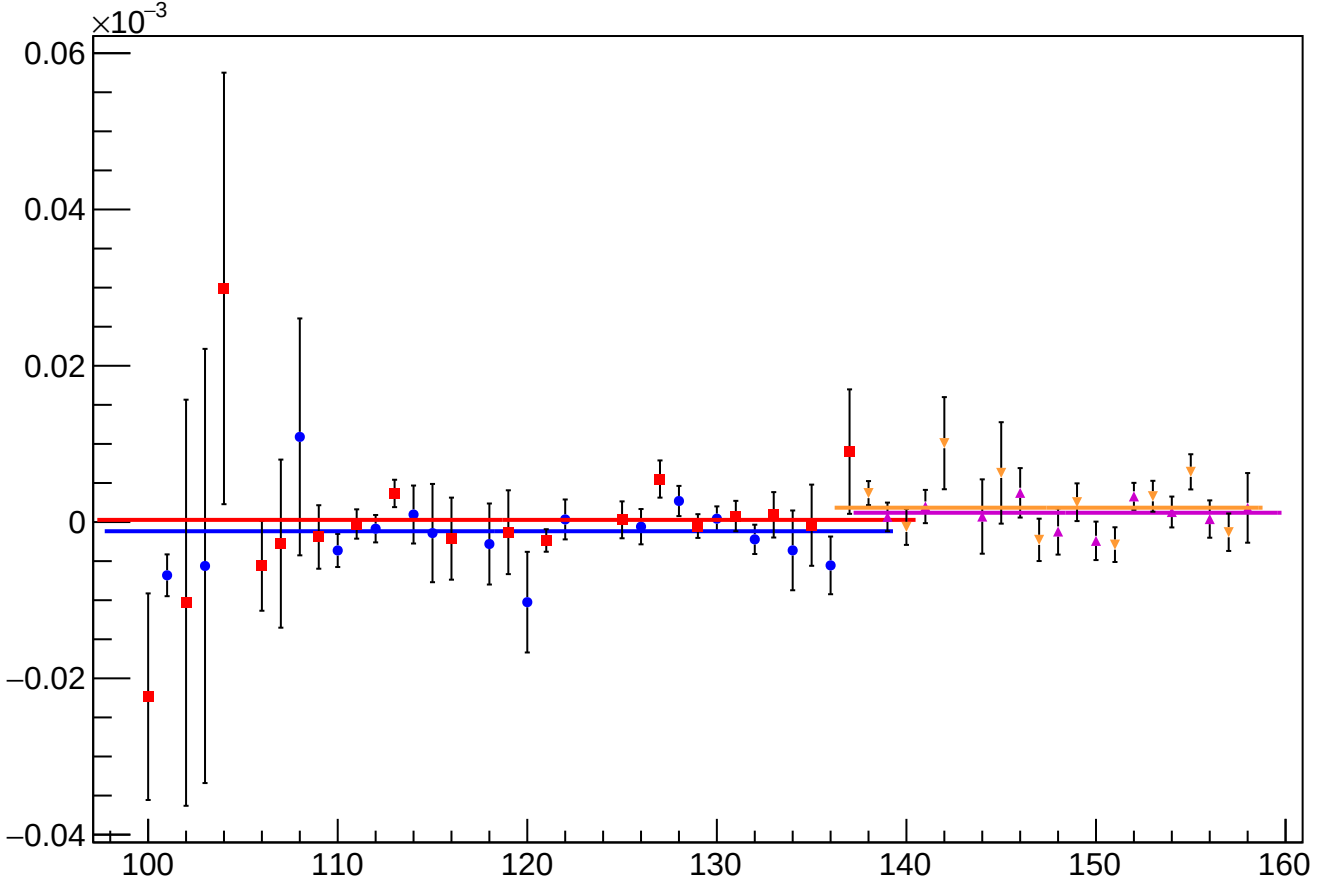
Left In: 59.473+/-0.016 χ^2/NDF:878674.4/9

+ sign 59.818+/-0.013 χ^2/NDF: 4101069.8/25

All: 61.705+/-0.009 χ^2/NDF: 8164833.3/53

- sign 63.666+/-0.013 χ^2/NDF: 4020078.9/27

asym_atl1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.4/9

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

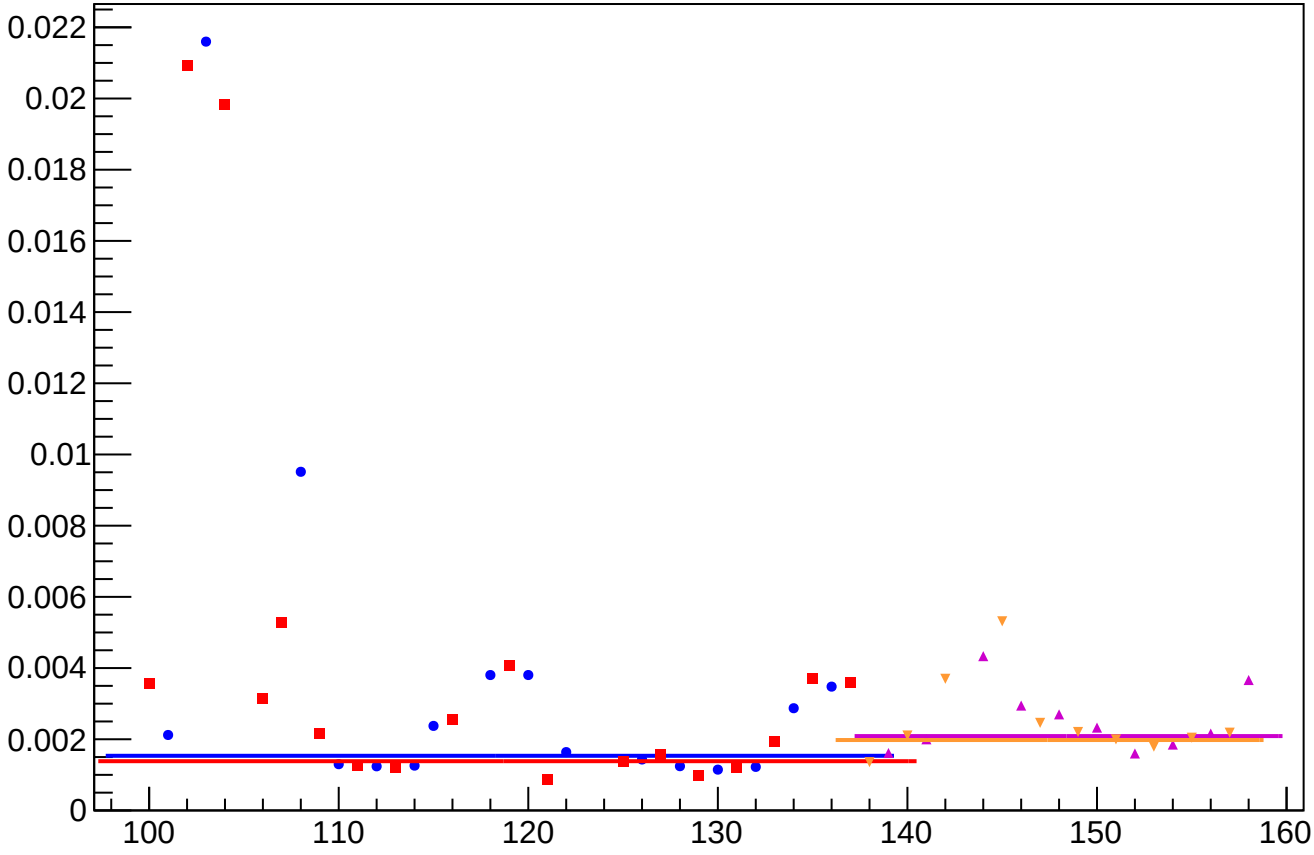
Left In: 0.000+/-0.000 χ^2/NDF:5.3/9

+ sign 0.000+/-0.000 χ^2/NDF: 43.8/25

All: 0.000+/-0.000 χ^2/NDF: 70.0/53

- sign 0.000+/-0.000 χ^2/NDF: 25.7/27

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 3373907.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1145471.3/9

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

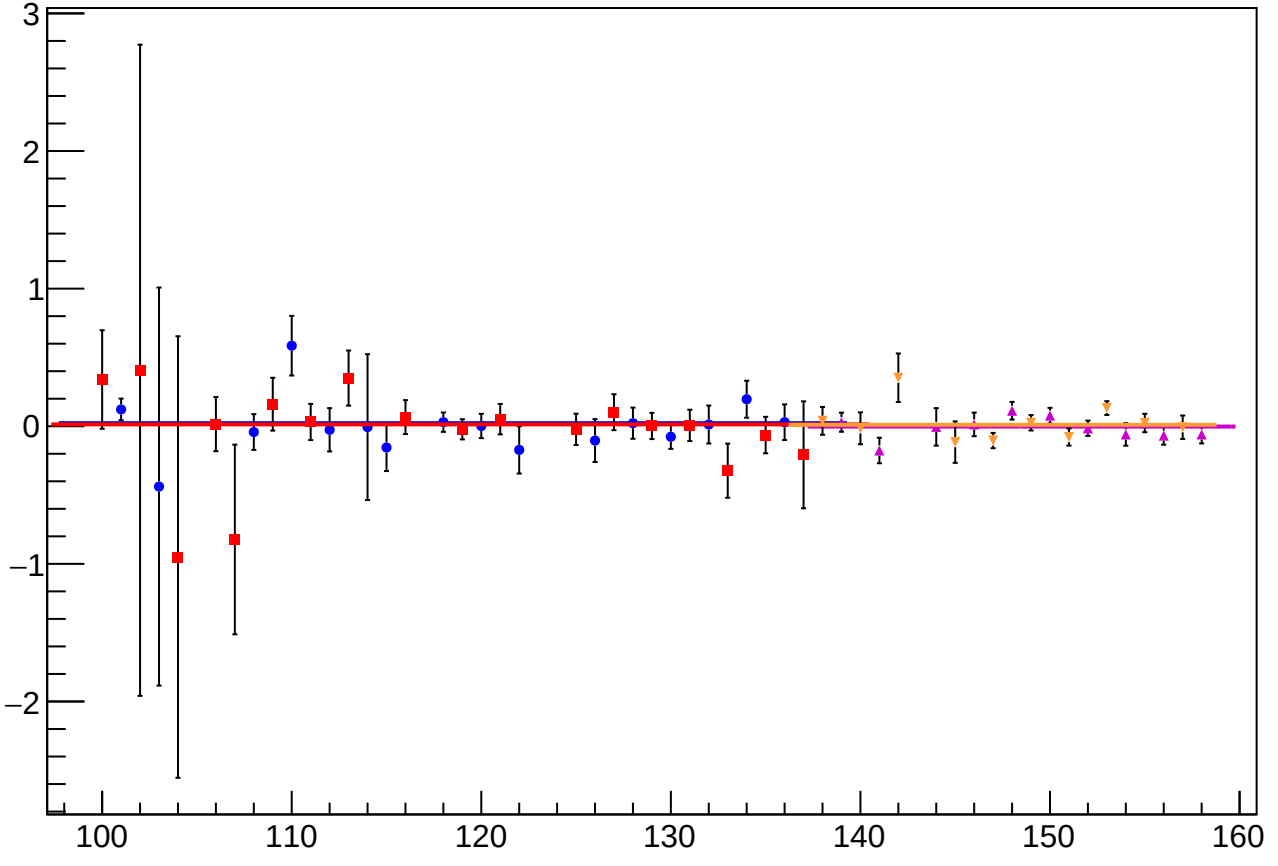
Left In: 0.002+/-0.000 χ^2/NDF:1274611.2/9

+ sign 0.002+/-0.000 χ^2/NDF: 4912839.1/25

All: 0.002+/-0.000 χ^2/NDF: 11496877.5/53

- sign 0.002+/-0.000 χ^2/NDF: 6570816.9/27

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.010+/-0.023 χ^2/NDF:16.9/9

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

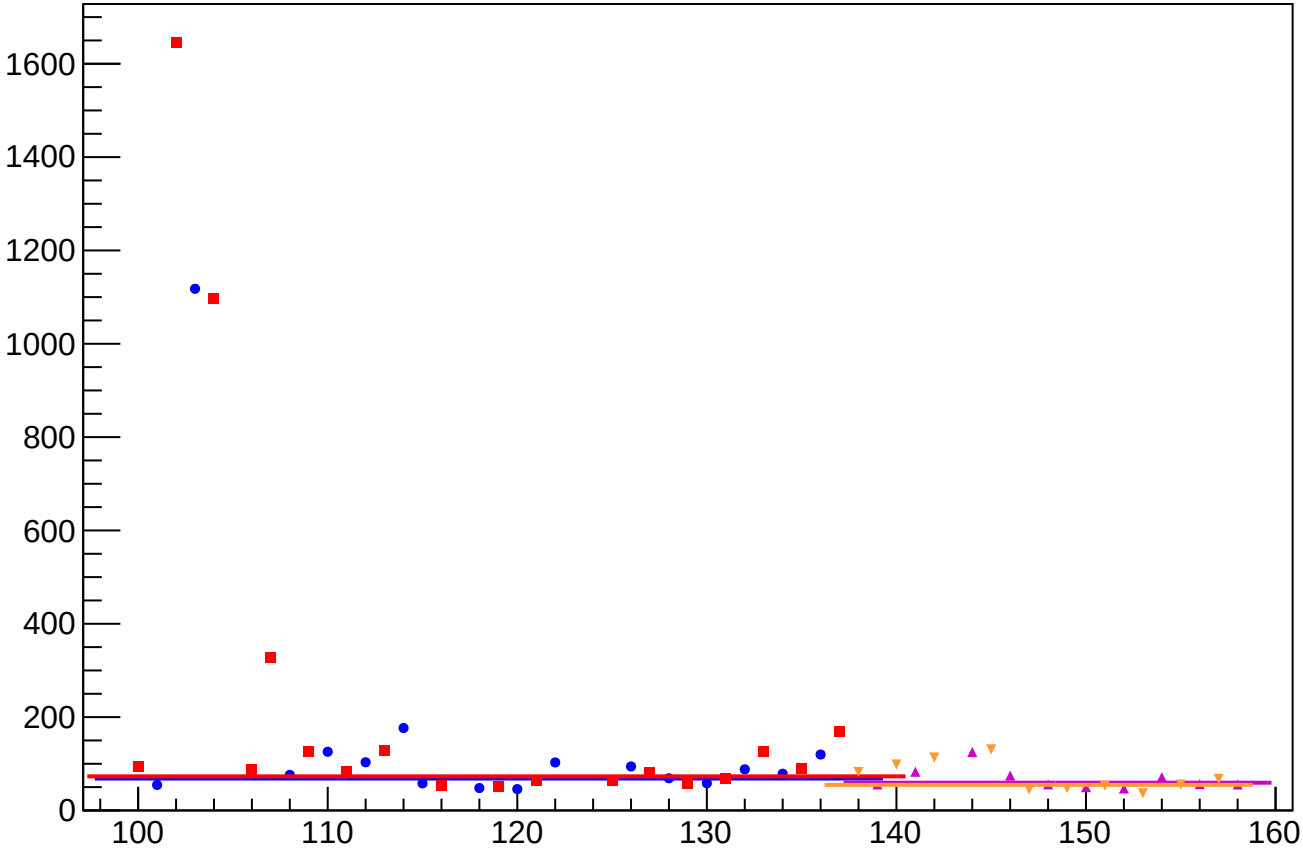
Left In: -0.002+/-0.022 χ^2/NDF:11.2/9

+ sign 0.015+/-0.018 χ^2/NDF: 31.7/25

All: 0.009+/-0.013 χ^2/NDF: 54.2/53

- sign 0.003+/-0.019 χ^2/NDF: 22.2/27

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 54.853+/-0.016 χ^2/NDF:1565826.5/9

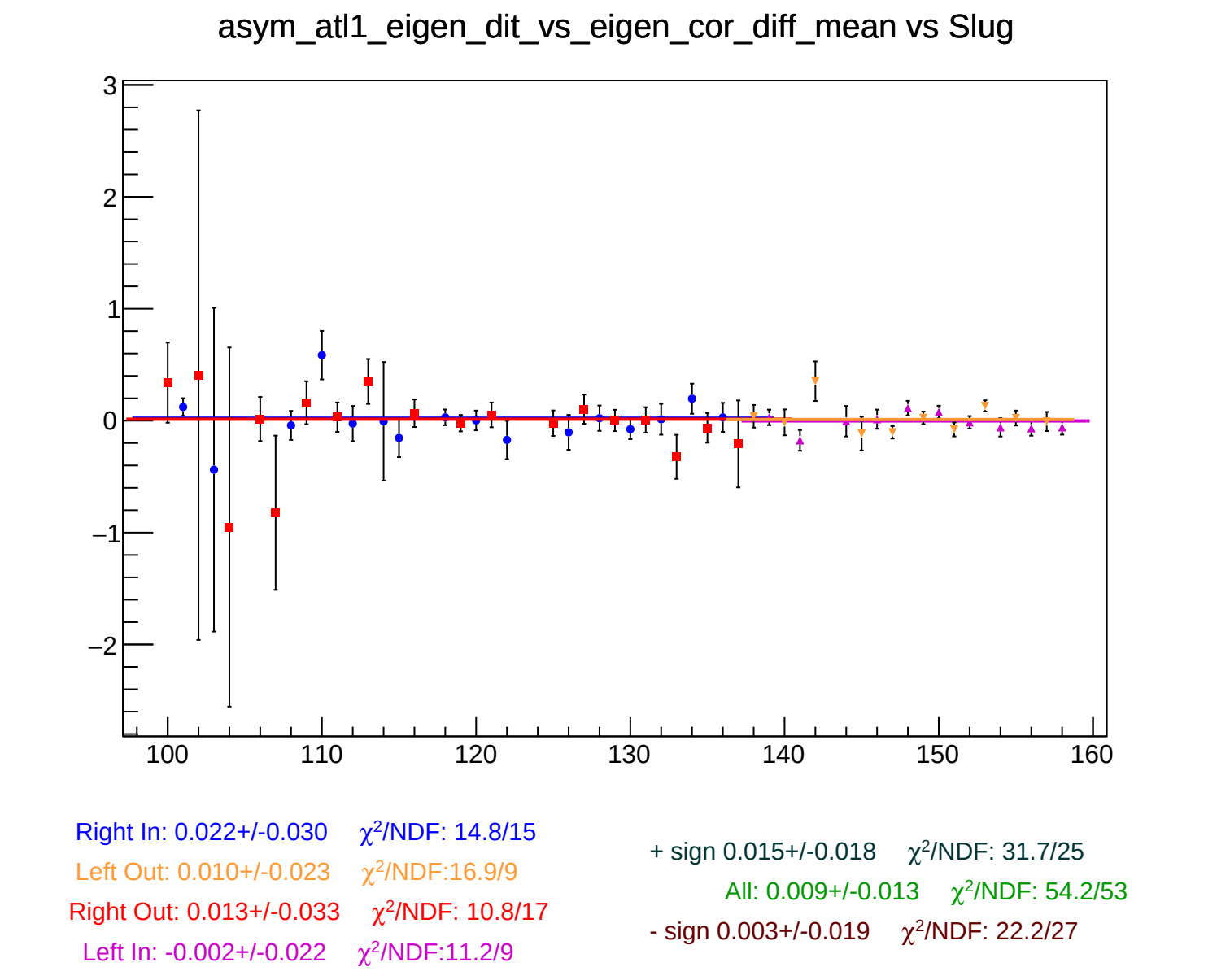
Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

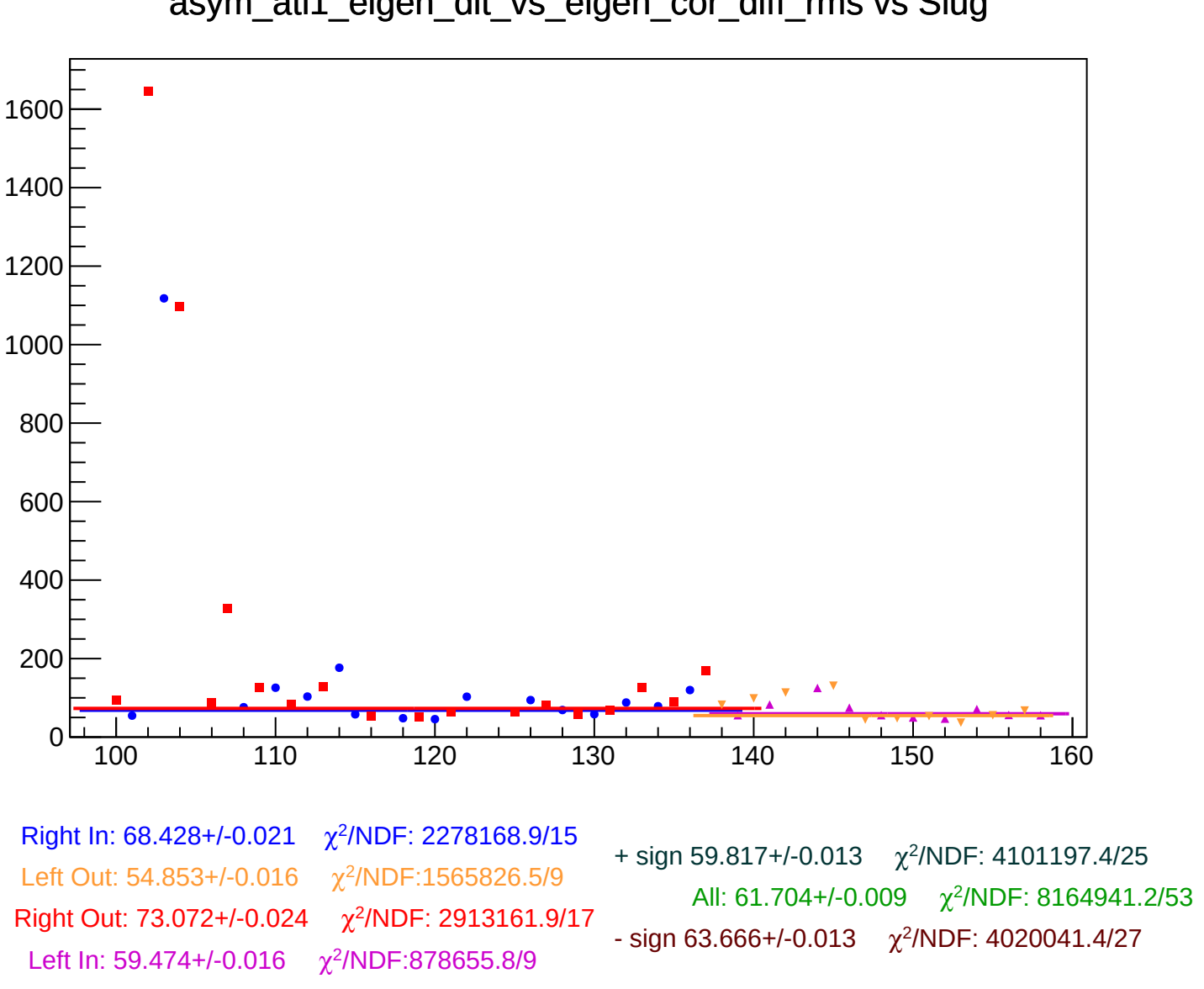
Left In: 59.474+/-0.016 χ^2/NDF:878655.8/9

+ sign 59.817+/-0.013 χ^2/NDF: 4101197.4/25

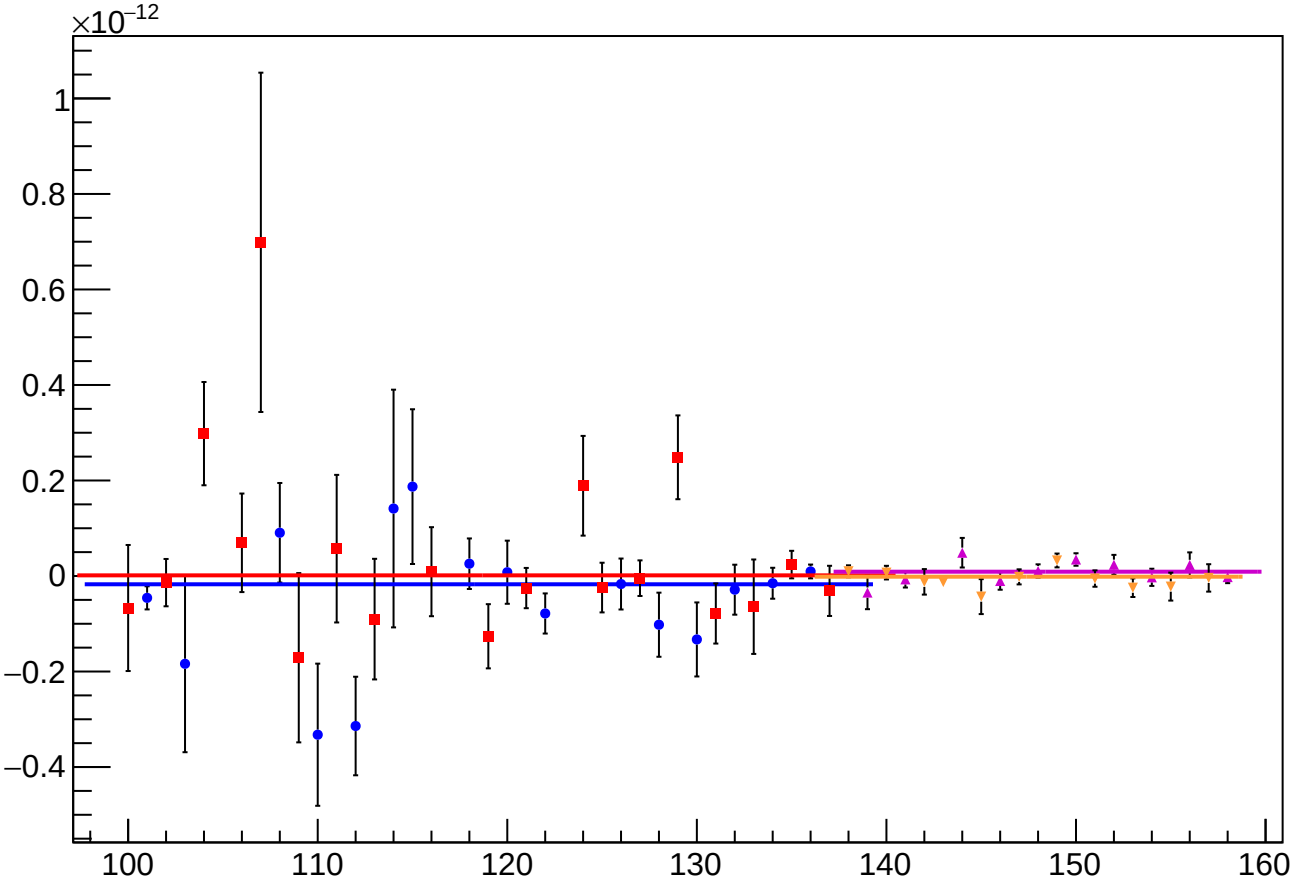
All: 61.704+/-0.009 χ^2/NDF: 8164941.2/53

- sign 63.666+/-0.013 χ^2/NDF: 4020041.4/27


asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: 0.022+/-0.030 χ²/NDF: 14.8/15
Left Out: 0.010+/-0.023 χ²/NDF:16.9/9
Right Out: 0.013+/-0.033 χ²/NDF: 10.8/17
Left In: -0.002+/-0.022 χ²/NDF:11.2/9
+ sign 0.015+/-0.018 χ²/NDF: 31.7/25
All: 0.009+/-0.013 χ²/NDF: 54.2/53
- sign 0.003+/-0.019 χ²/NDF: 22.2/27


asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1600
1400
1200
1000
800
600
400
200
0
100
110
120
130
140
150
160
Right In: 68.428+/-0.021 χ²/NDF: 2278168.9/15
Left Out: 54.853+/-0.016 χ²/NDF:1565826.5/9
Right Out: 73.072+/-0.024 χ²/NDF: 2913161.9/17
Left In: 59.474+/-0.016 χ²/NDF:878655.8/9
+ sign 59.817+/-0.013 χ²/NDF: 4101197.4/25
All: 61.704+/-0.009 χ²/NDF: 8164941.2/53
- sign 63.666+/-0.013 χ²/NDF: 4020041.4/27

asym_atl1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 32.3/18

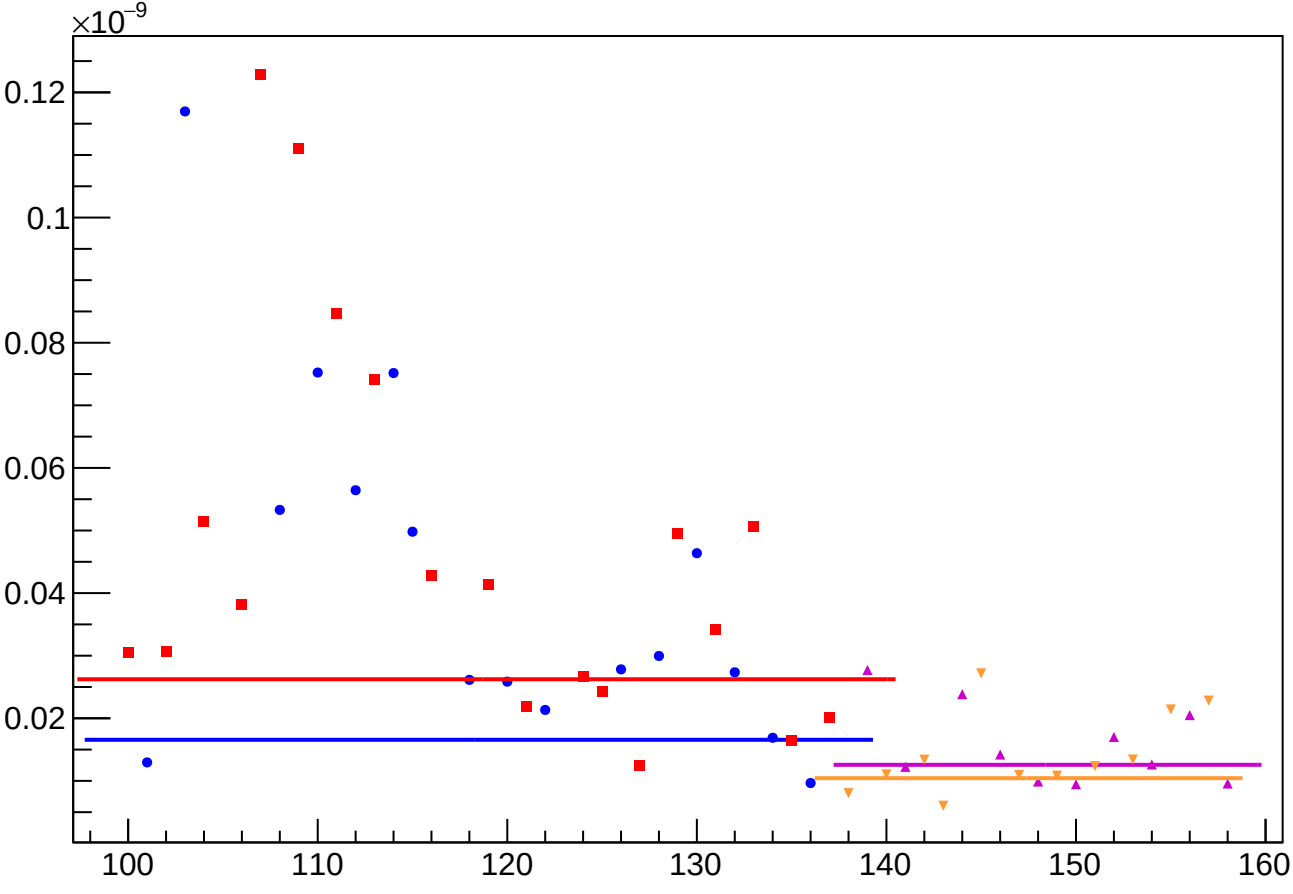
Left In: 0.000+/-0.000 χ^2/NDF:11.0/9

+ sign -0.000+/-0.000 χ^2/NDF: 41.9/26

All: 0.000+/-0.000 χ^2/NDF: 88.8/55

- sign 0.000+/-0.000 χ^2/NDF: 43.6/28

asym_atl1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2823424.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1694627.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2346394.7/18

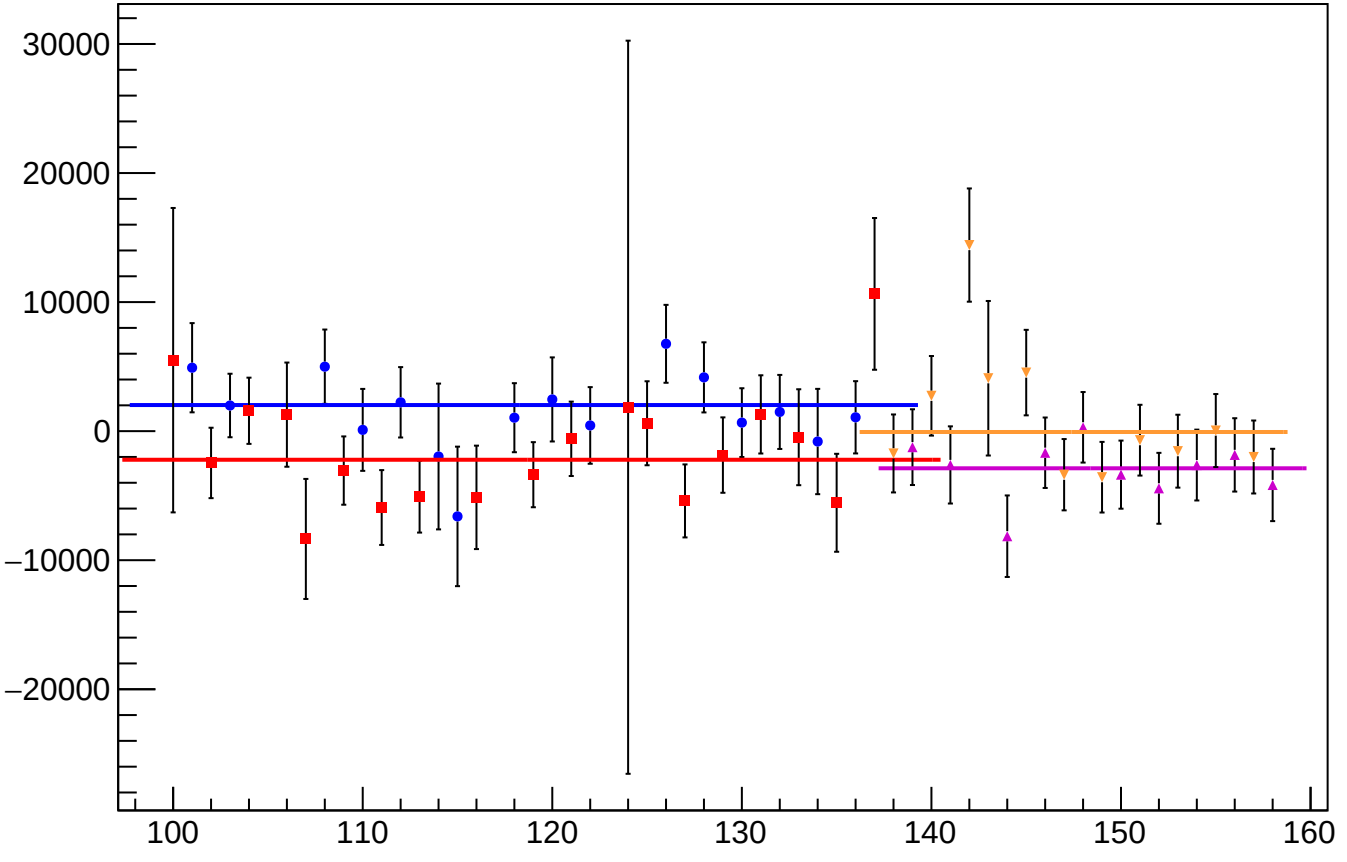
Left In: 0.000+/-0.000 χ^2/NDF:1233487.1/9

+ sign 0.000+/-0.000 χ^2/NDF: 5127537.5/26

All: 0.000+/-0.000 χ^2/NDF: 10634440.7/55

- sign 0.000+/-0.000 χ^2/NDF: 5175747.2/28

reg_asym_atl2_mean vs Slug



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: -65.707+/-929.027 χ^2/NDF:18.3/10

Right Out: -2217.261+/-756.139 χ^2/NDF: 18.1/18

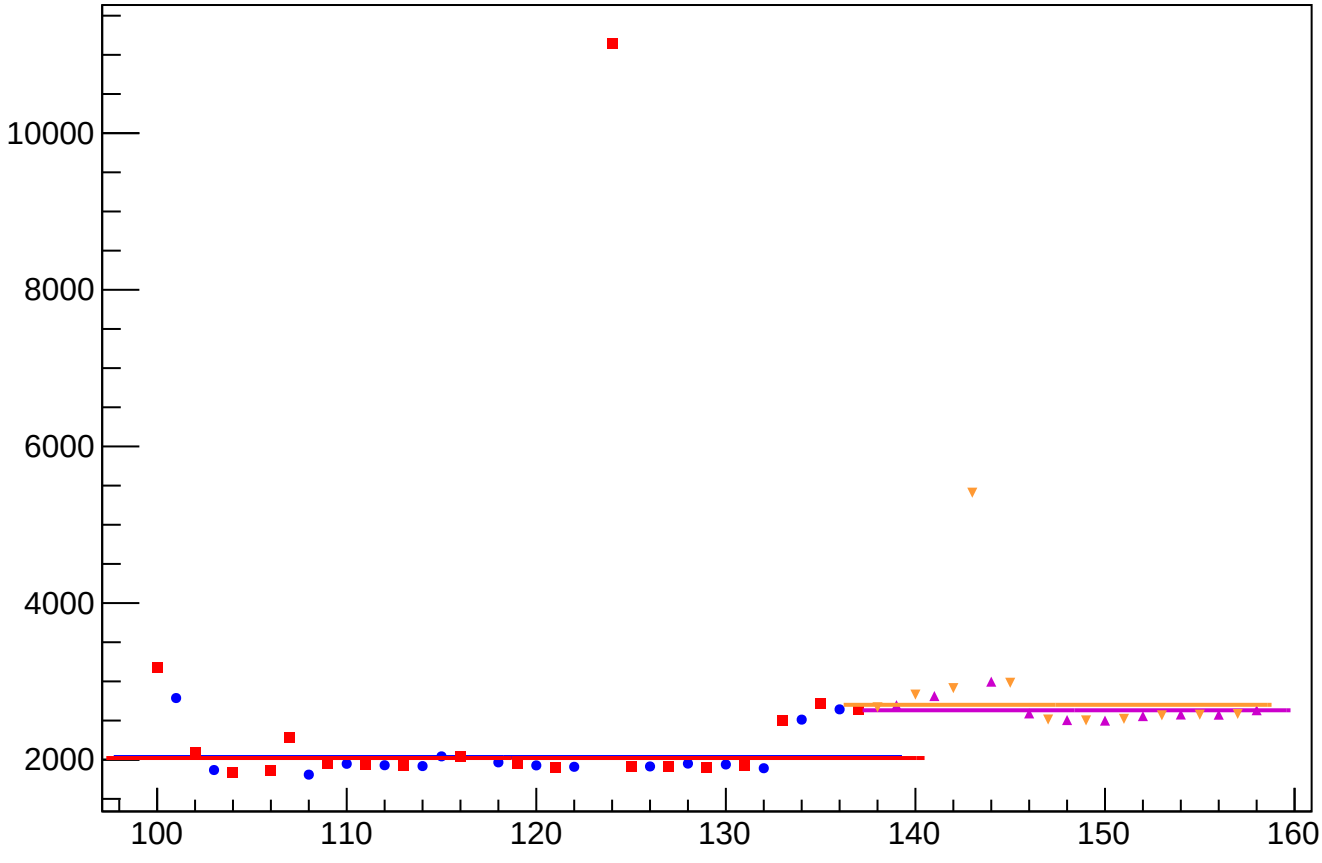
Left In: -2878.562+/-892.162 χ^2/NDF:5.3/9

+ sign 1179.672+/-590.256 χ^2/NDF: 30.9/26

All: -699.260+/-412.546 χ^2/NDF: 74.5/55

- sign -2493.708+/-576.833 χ^2/NDF: 23.8/28

reg_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 2701.095+/-0.657 χ^2/NDF:472484.1/10

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

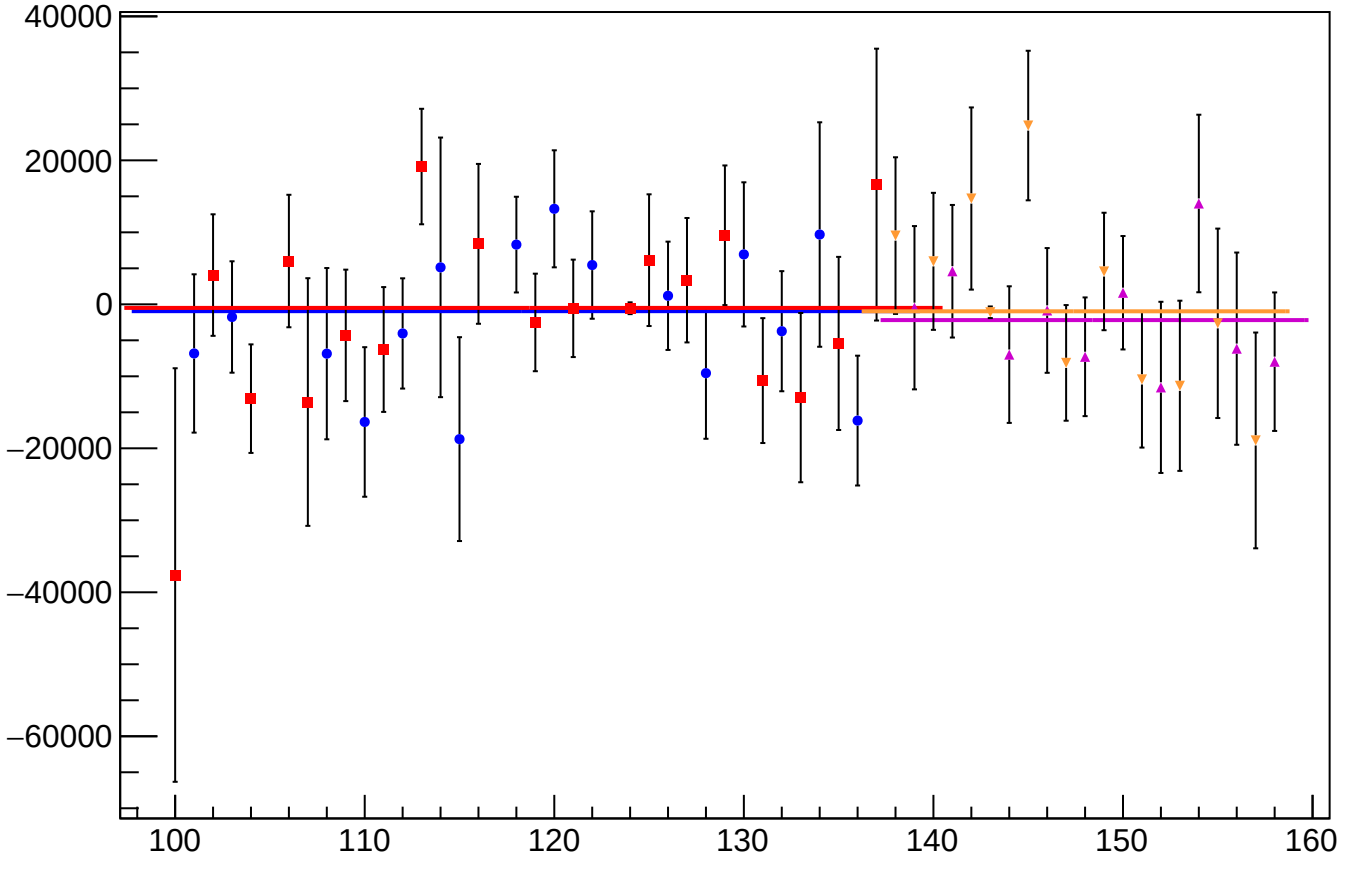
Left In: 2631.149+/-0.631 χ^2/NDF:47751.5/9

+ sign 2303.379+/-0.417 χ^2/NDF: 1350097.9/26

All: 2289.570+/-0.292 χ^2/NDF: 2333731.0/55

- sign 2276.381+/-0.408 χ^2/NDF: 981492.8/28

asym_atl2_reg_correction_mean vs Slug



Right In: -950.519+/-2278.532 χ^2/NDF: 15.3/15

Left Out: -969.498+/-783.498 χ^2/NDF:13.7/10

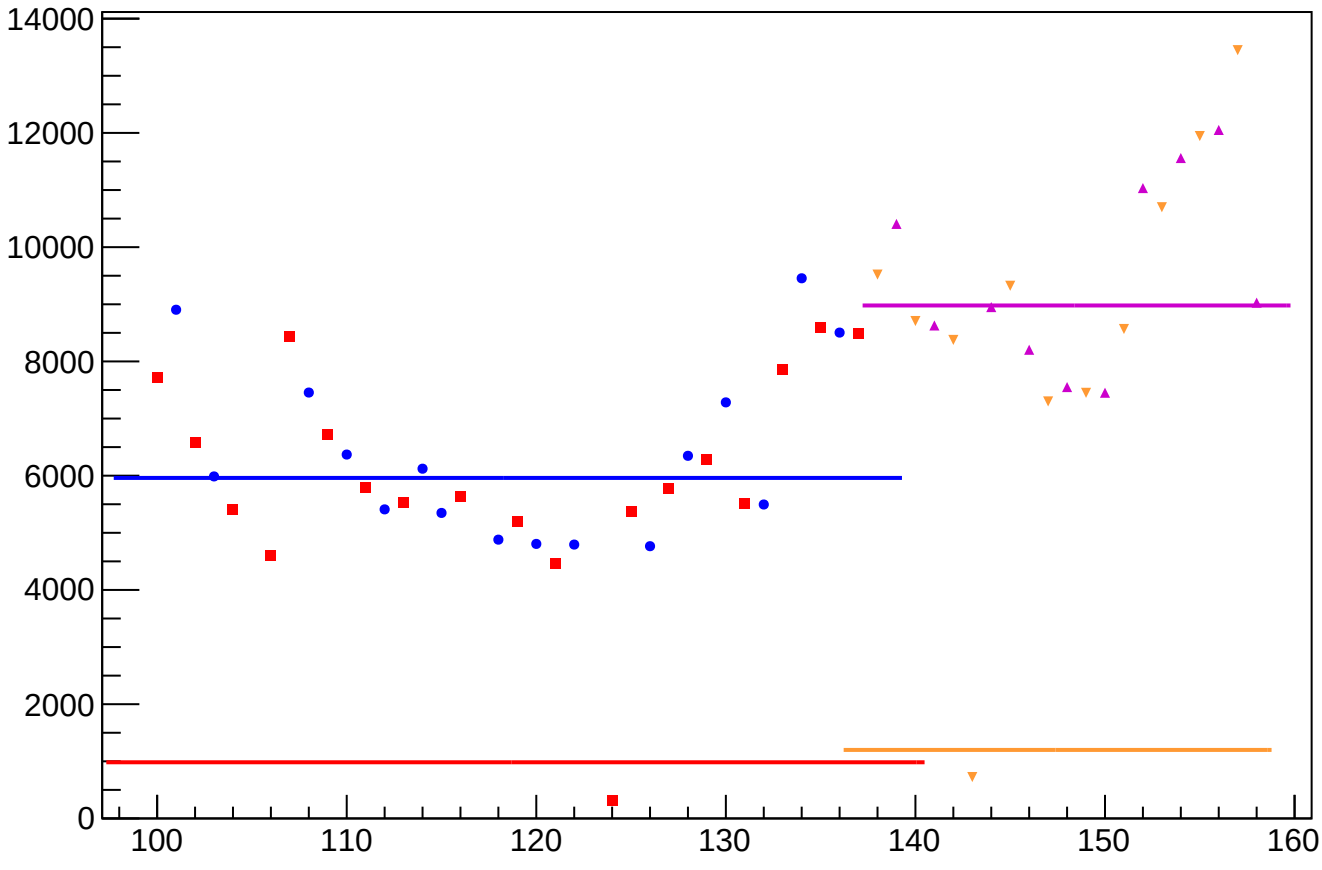
Right Out: -497.346+/-768.286 χ^2/NDF: 18.5/18

Left In: -2190.862+/-3087.550 χ^2/NDF:4.3/9

+ sign -967.491+/-740.918 χ^2/NDF: 29.0/26

All: -782.949+/-525.539 χ^2/NDF: 52.1/55

- sign -596.091+/-745.552 χ^2/NDF: 23.0/28



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 1199.651+/-0.554 χ^2/NDF:12474155.2/10

Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

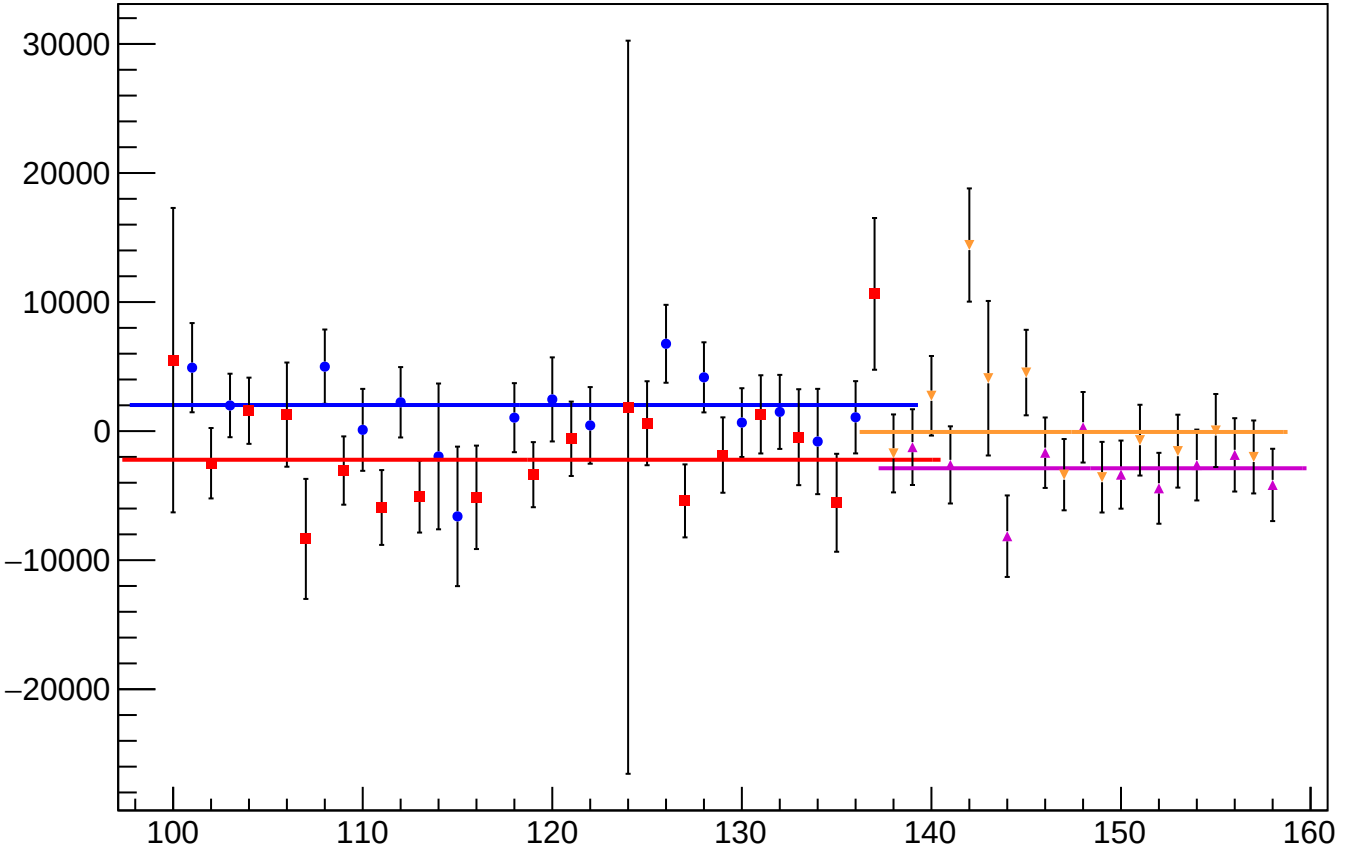
Left In: 8979.420+/-2.183 χ^2/NDF:439205.4/9

+ sign 1703.084+/-0.524 χ^2/NDF: 20972659.9/26

All: 1577.109+/-0.372 χ^2/NDF: 45576788.8/5

- sign 1449.552+/-0.527 χ^2/NDF: 24487767.1/28

cor_asym_atl2_mean vs Slug



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: -65.545+/-929.027 χ^2/NDF:18.3/10

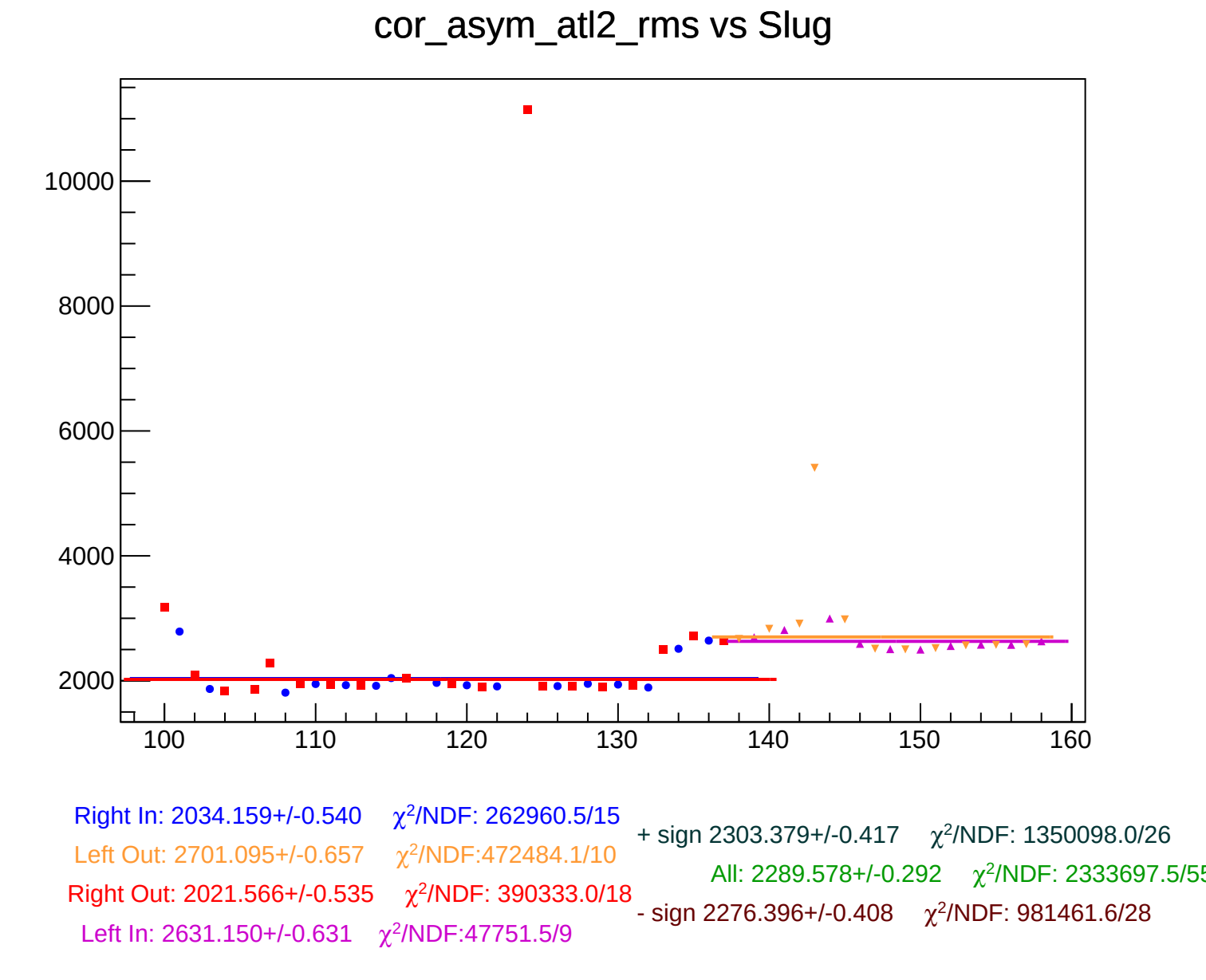
Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

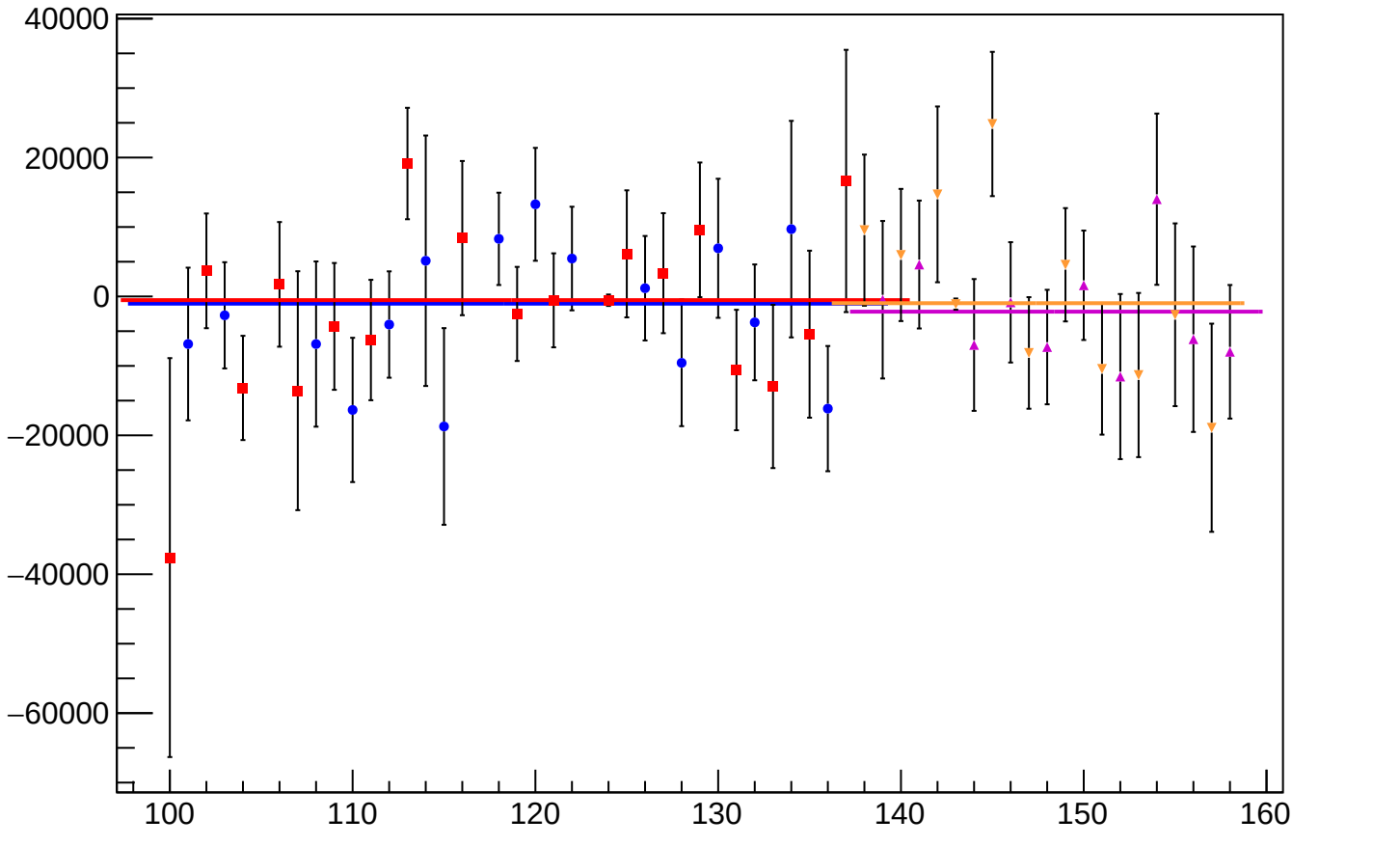
Left In: -2878.722+/-892.162 χ^2/NDF:5.3/9

+ sign 1179.812+/-590.256 χ^2/NDF: 30.9/26

All: -699.764+/-412.548 χ^2/NDF: 74.6/55

- sign -2494.848+/-576.837 χ^2/NDF: 23.8/28


cor_asym_atl2_rms vs Slug
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
Right In: 2034.159+/-0.540 χ²/NDF: 262960.5/15
Left Out: 2701.095+/-0.657 χ²/NDF:472484.1/10
Right Out: 2021.566+/-0.535 χ²/NDF: 390333.0/18
Left In: 2631.150+/-0.631 χ²/NDF:47751.5/9
+ sign 2303.379+/-0.417 χ²/NDF: 1350098.0/26
All: 2289.578+/-0.292 χ²/NDF: 2333697.5/55
- sign 2276.396+/-0.408 χ²/NDF: 981461.6/28



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -969.274+/-783.426 χ^2/NDF:13.7/10

Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

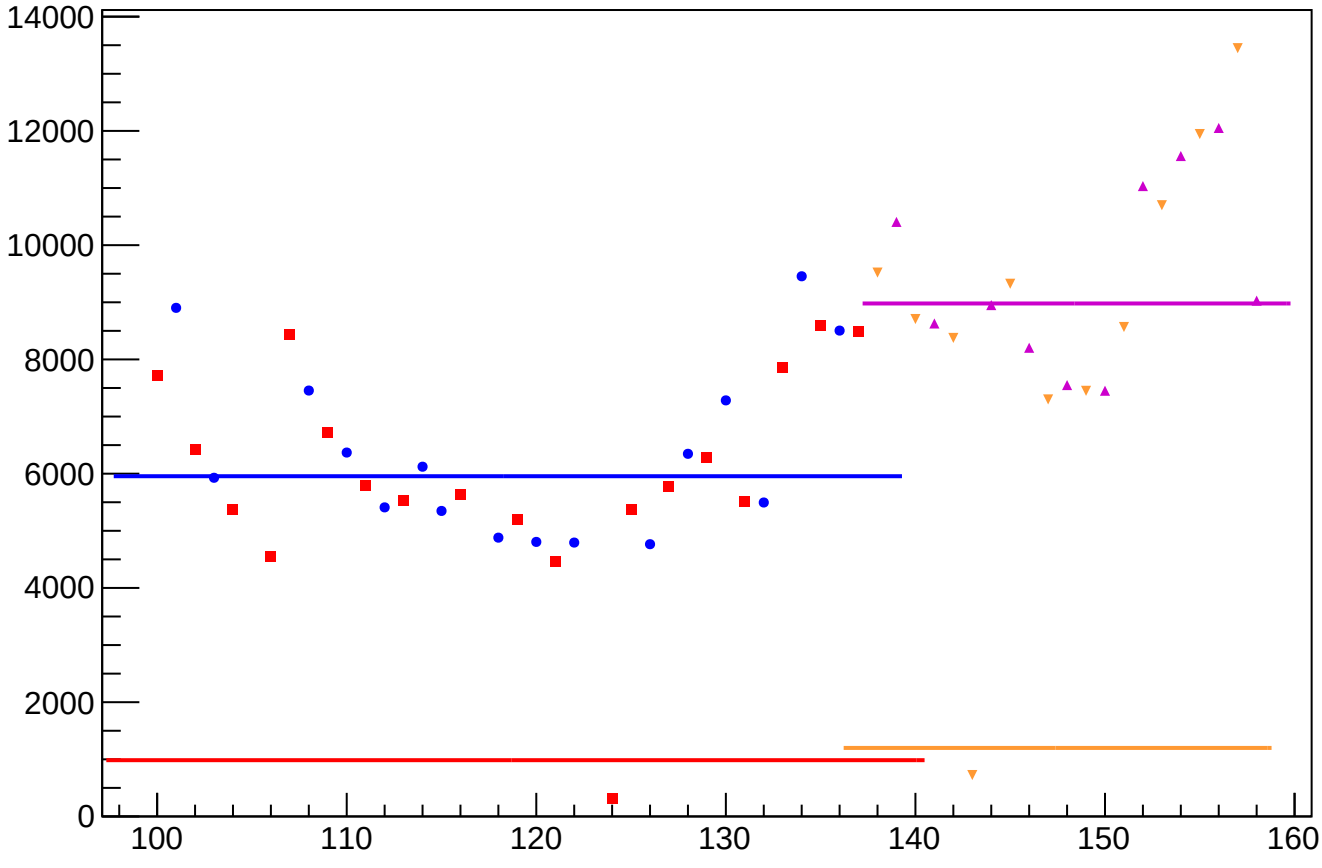
Left In: -2191.048+/-3087.547 χ^2/NDF:4.3/9

+ sign -976.547+/-740.777 χ^2/NDF: 29.0/26

All: -803.020+/-525.380 χ^2/NDF: 51.7/55

- sign -627.395+/-745.241 χ^2/NDF: 22.6/28

asym_atl2_cor_correction_rms vs Slug



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1199.499+/-0.554 χ^2/NDF:12474486.6/10

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

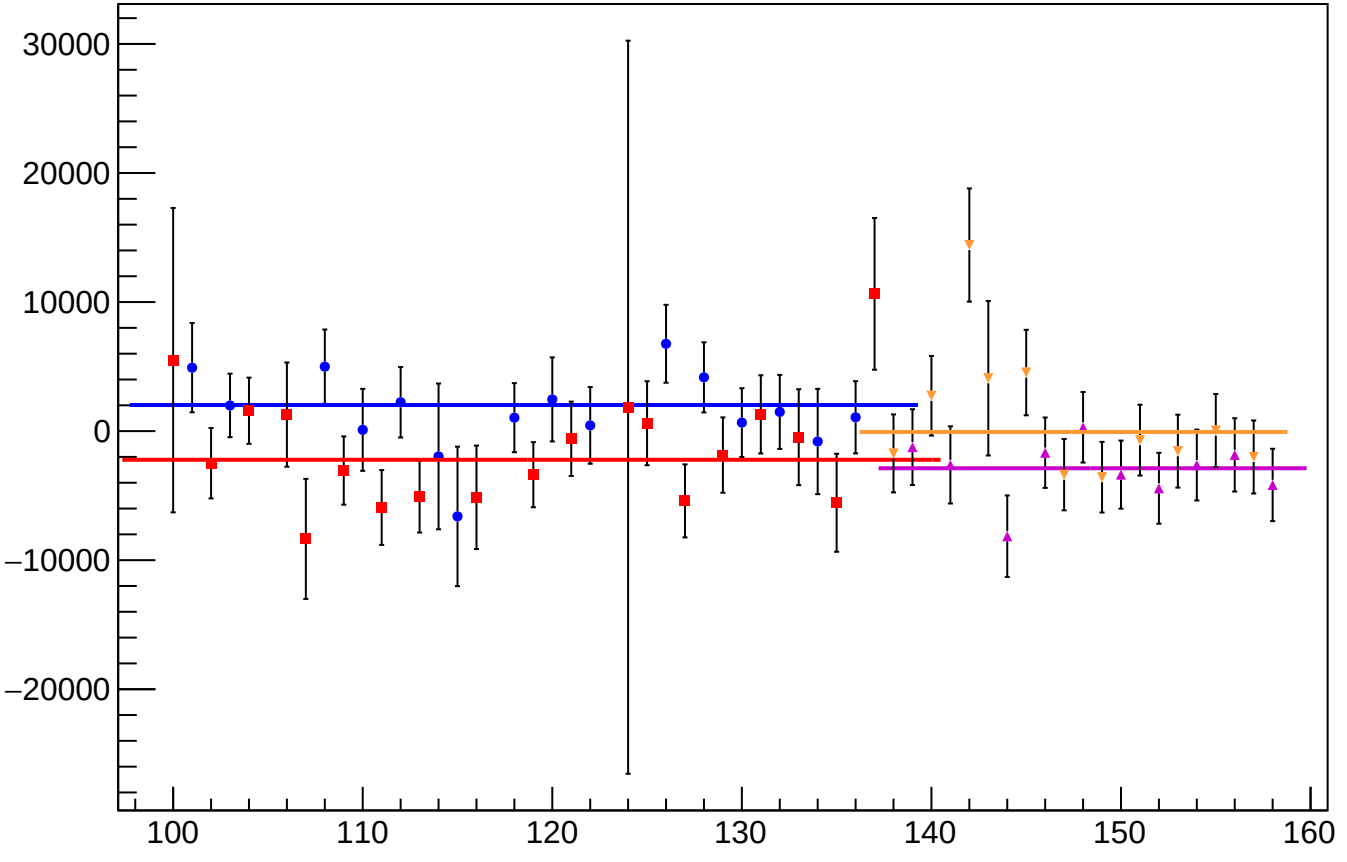
Left In: 8979.409+/-2.183 χ^2/NDF:439208.5/9

+ sign 1703.250+/-0.524 χ^2/NDF: 20970984.7/26

All: 1577.780+/-0.371 χ^2/NDF: 45565539.6/5

- sign 1450.792+/-0.527 χ^2/NDF: 24479106.8/28

eigen_cor_asym_atl2_mean vs Slug



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: -65.545+/-929.027 χ^2/NDF:18.3/10

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

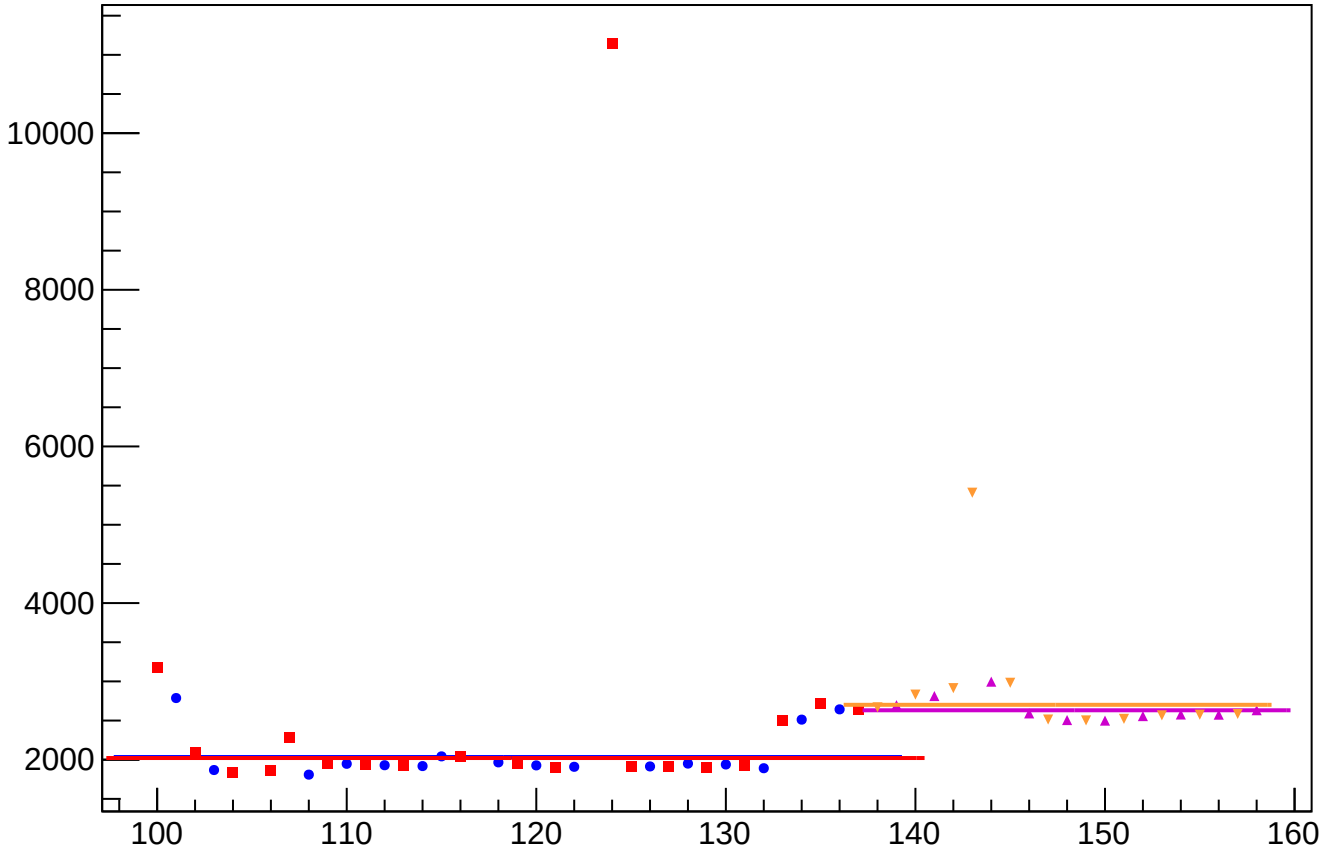
Left In: -2878.722+/-892.162 χ^2/NDF:5.3/9

+ sign 1179.812+/-590.256 χ^2/NDF: 30.9/26

All: -699.764+/-412.548 χ^2/NDF: 74.6/55

- sign -2494.848+/-576.837 χ^2/NDF: 23.8/28

eigen_cor_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2701.095+/-0.657 χ^2/NDF:472484.1/10

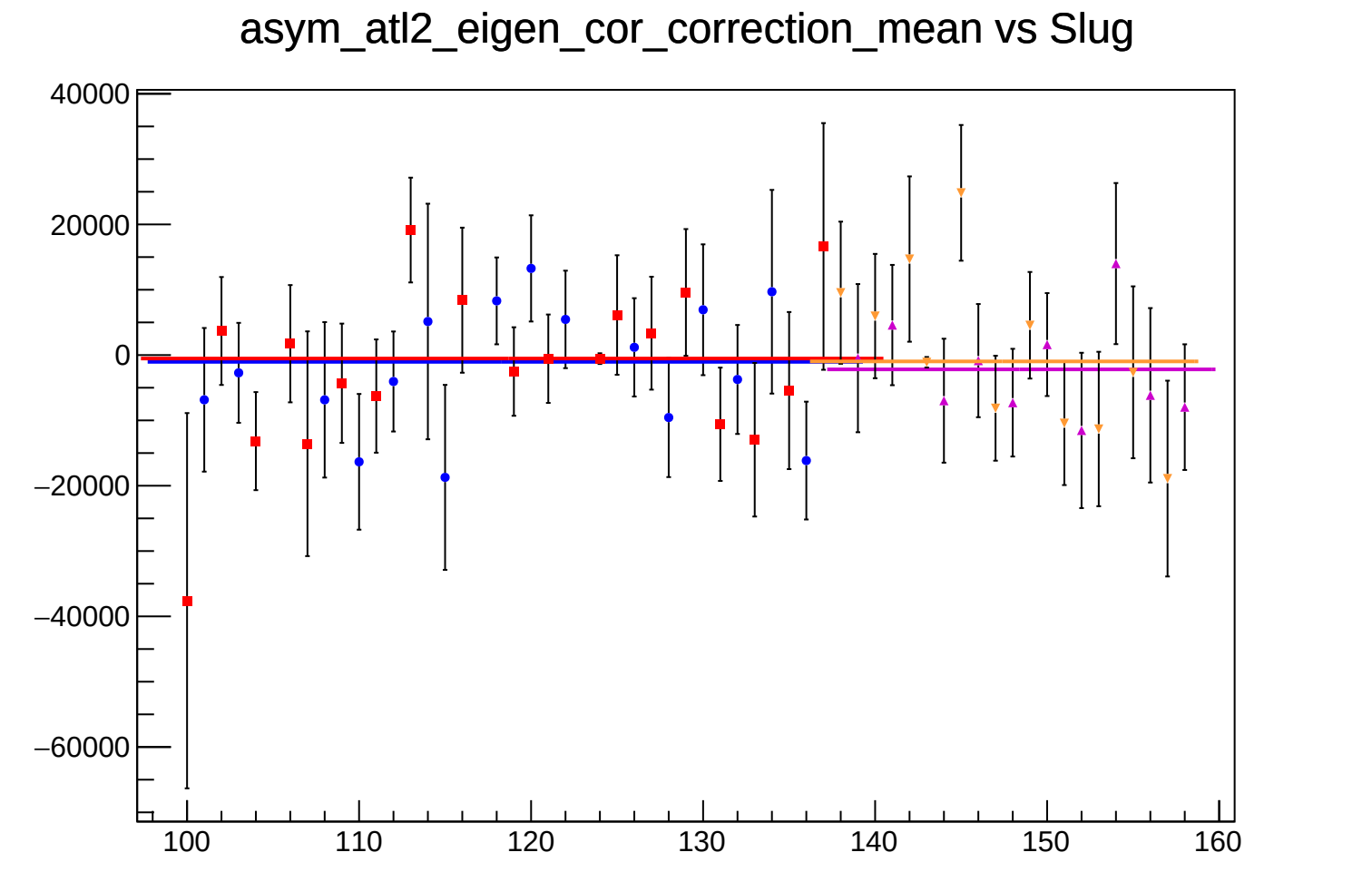
Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2631.150+/-0.631 χ^2/NDF:47751.5/9

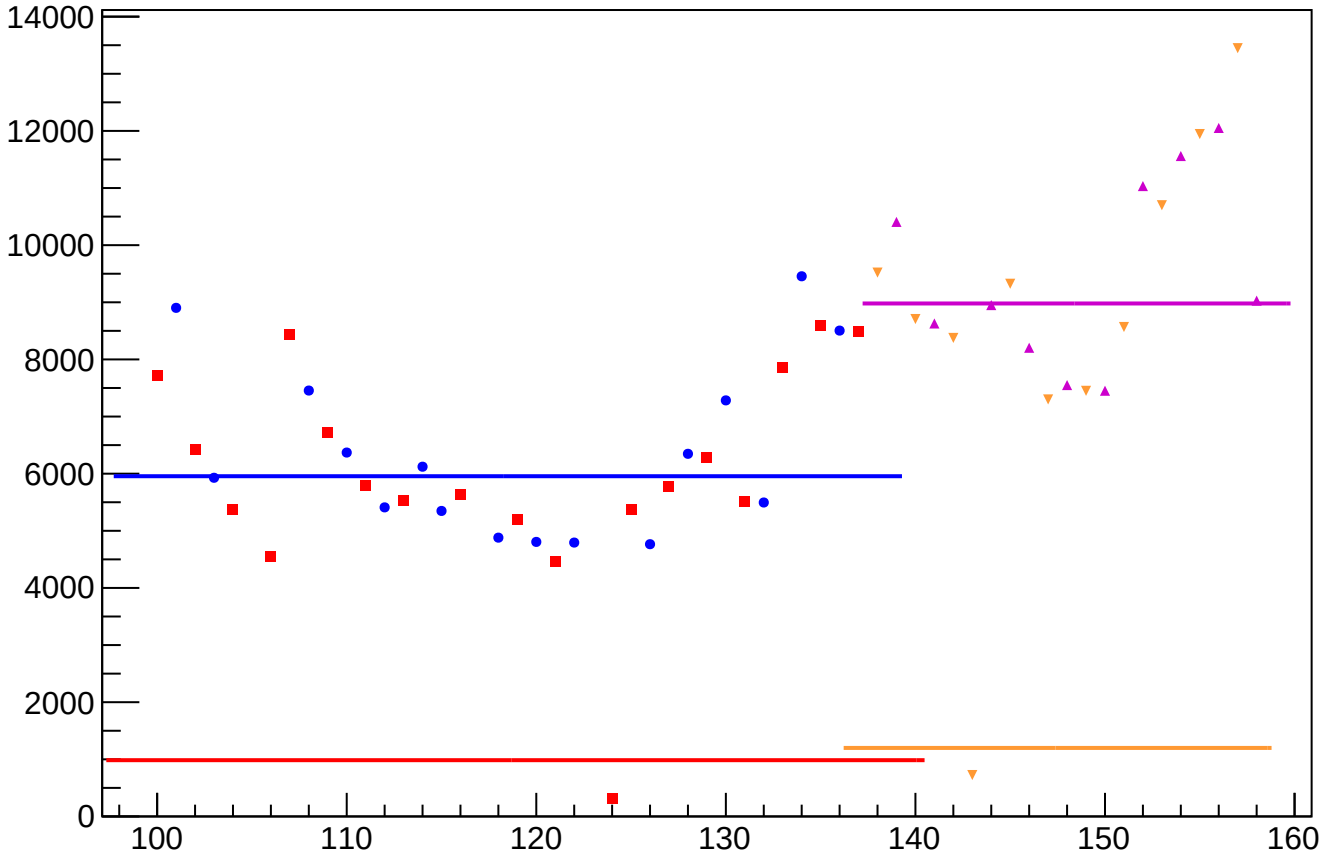
+ sign 2303.379+/-0.417 χ^2/NDF: 1350098.0/26

All: 2289.578+/-0.292 χ^2/NDF: 2333697.5/55

- sign 2276.396+/-0.408 χ^2/NDF: 981461.6/28


asym_atl2_eigen_cor_correction_mean vs Slug
40000
20000
0
−20000
−40000
−60000
100
110
120
130
140
150
160
Right In: -1037.942+/-2276.180 χ²/NDF: 15.4/15
Left Out: -969.274+/-783.426 χ²/NDF:13.7/10
Right Out: -530.662+/-767.947 χ²/NDF: 18.0/18
Left In: -2191.048+/-3087.547 χ²/NDF:4.3/9
+ sign -976.547+/-740.777 χ²/NDF: 29.0/26
All: -803.020+/-525.380 χ²/NDF: 51.7/55
- sign -627.395+/-745.241 χ²/NDF: 22.6/28

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1199.499+/-0.554 χ^2/NDF:12474486.6/10

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

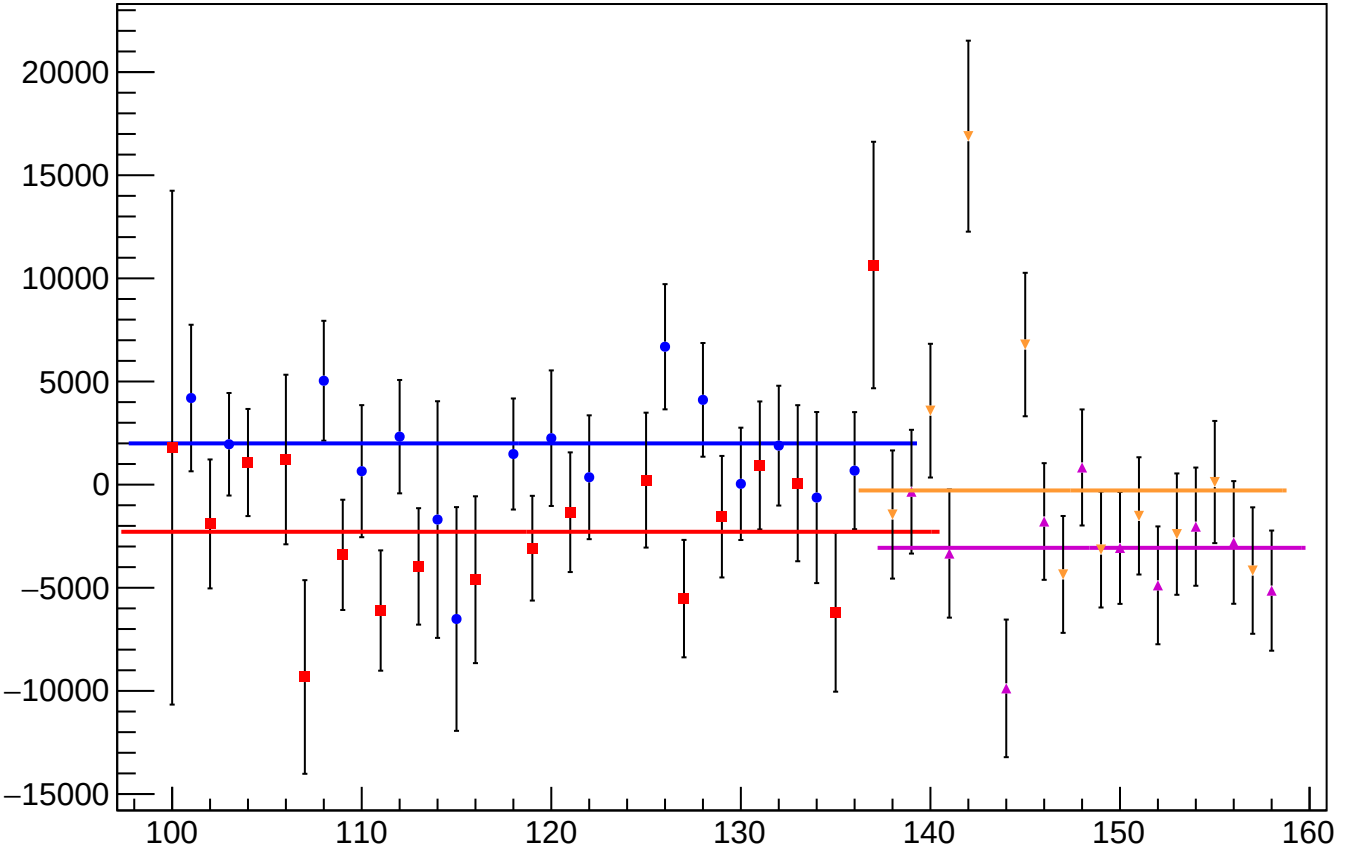
Left In: 8979.409+/-2.183 χ^2/NDF:439208.5/9

+ sign 1703.250+/-0.524 χ^2/NDF: 20970984.7/26

All: 1577.780+/-0.371 χ^2/NDF: 45565539.6/5

- sign 1450.792+/-0.527 χ^2/NDF: 24479106.8/28

dit_asym_atl2_mean vs Slug



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: -282.186+/-981.022 χ^2/NDF:24.9/9

Right Out: -2285.899+/-771.299 χ^2/NDF: 16.7/17

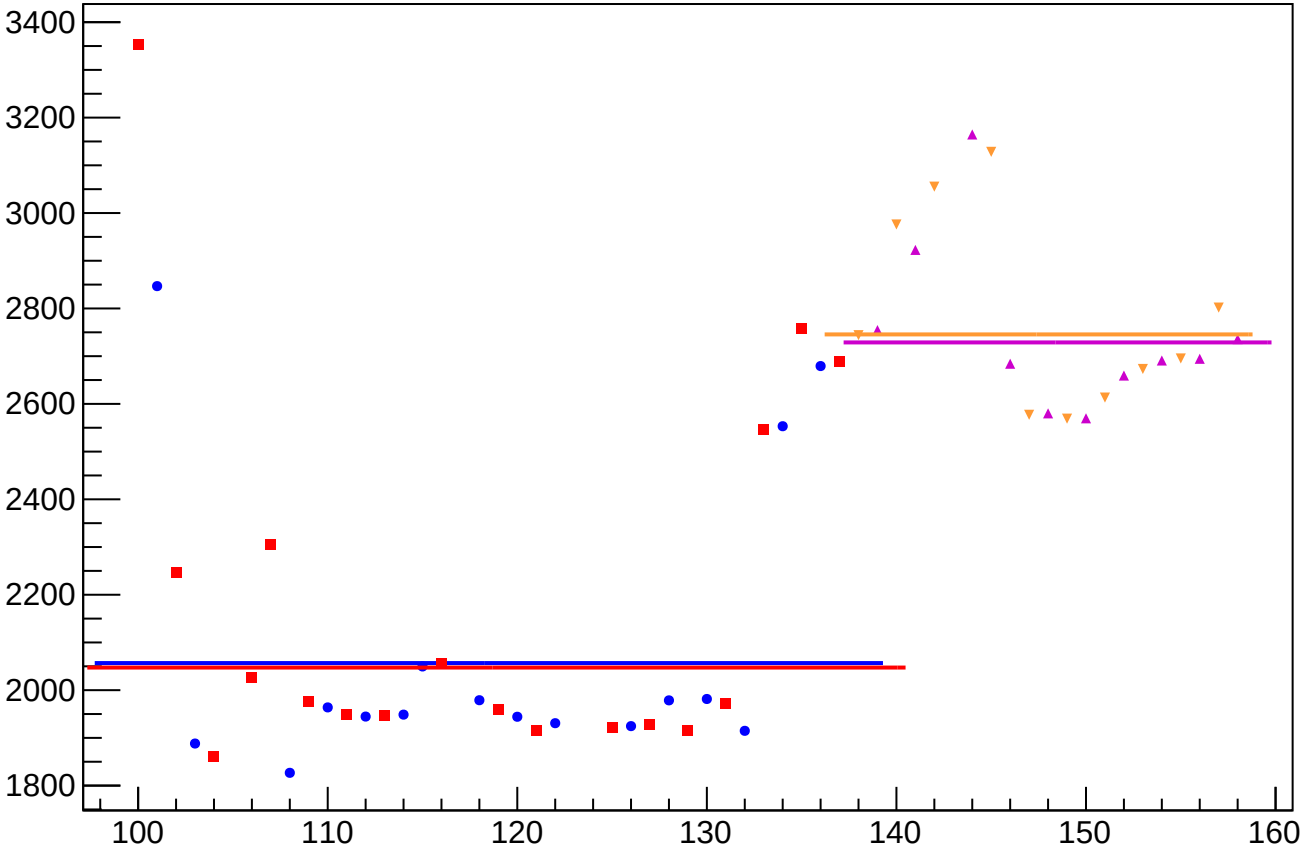
Left In: -3064.187+/-925.611 χ^2/NDF:8.2/9

+ sign 1124.578+/-607.423 χ^2/NDF: 37.2/25

All: -786.379+/-424.154 χ^2/NDF: 81.8/53

- sign -2604.848+/-592.542 χ^2/NDF: 25.3/27

dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2745.616+/-0.694 χ^2/NDF:65040.4/9

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

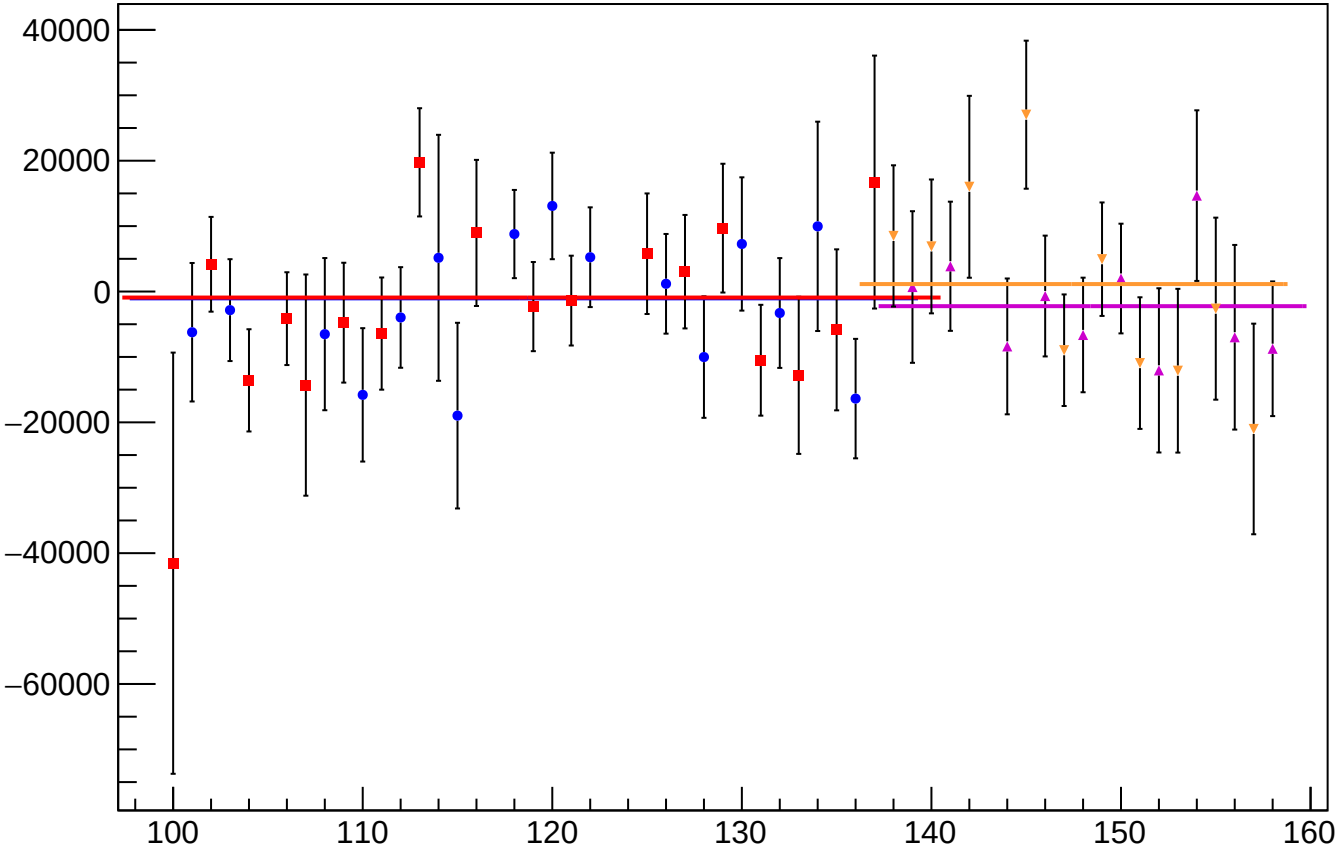
Left In: 2728.818+/-0.655 χ^2/NDF:56850.3/9

+ sign 2320.873+/-0.430 χ^2/NDF: 943496.5/25

All: 2323.581+/-0.300 χ^2/NDF: 1837463.5/53

- sign 2326.153+/-0.419 χ^2/NDF: 893889.5/27

asym_atl2_dit_correction_mean vs Slug



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: 1139.824+/-3462.267 χ^2/NDF:13.3/9

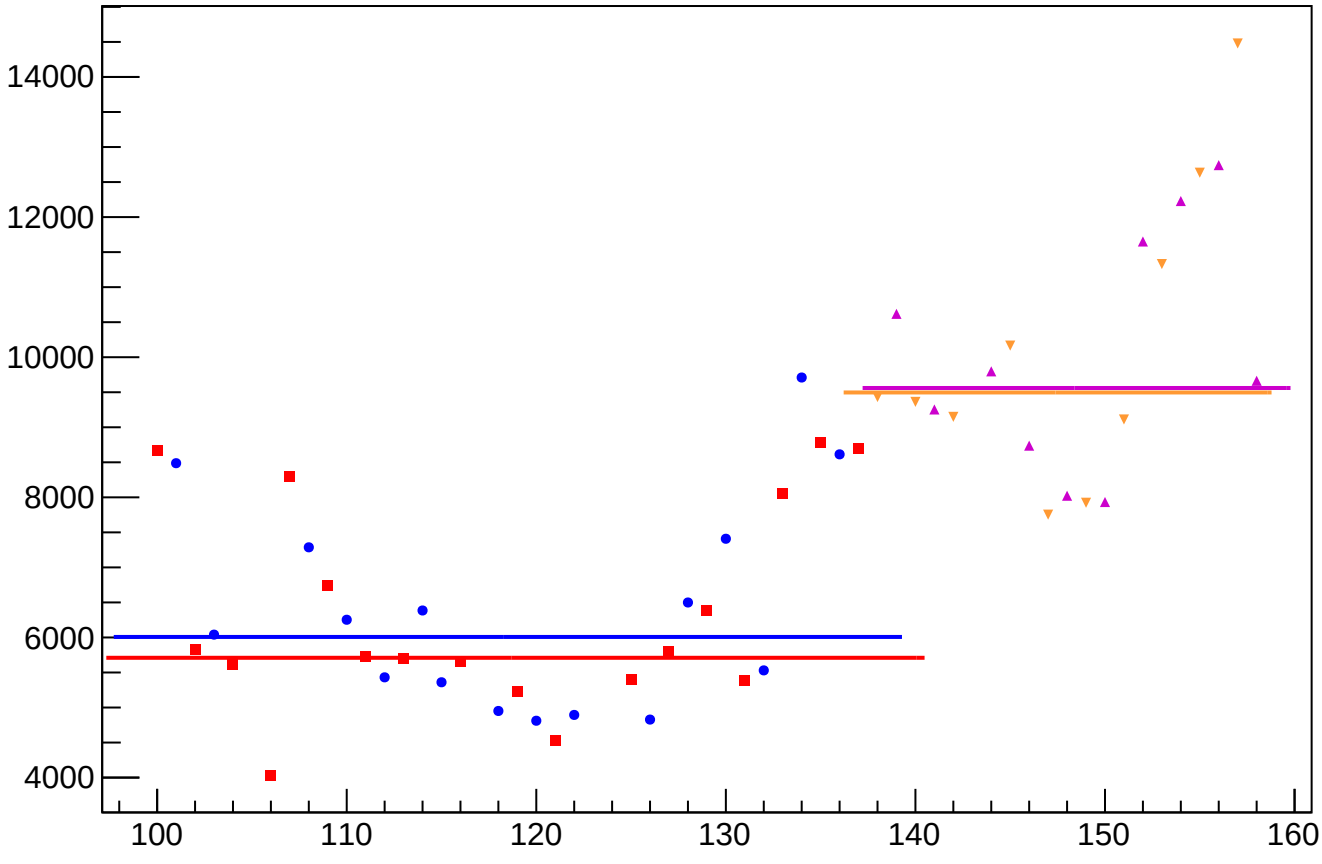
Right Out: -919.663+/-2150.895 χ^2/NDF: 18.4/17

Left In: -2238.559+/-3285.510 χ^2/NDF:4.1/9

+ sign -376.496+/-1912.681 χ^2/NDF: 28.9/25

All: -874.499+/-1310.649 χ^2/NDF: 51.6/53

- sign -1315.338+/-1799.562 χ^2/NDF: 22.6/27



Right In: 6007.425+/-1.623 χ^2/NDF: 653996.7/15

Left Out: 9496.816+/-2.448 χ^2/NDF:497005.9/9

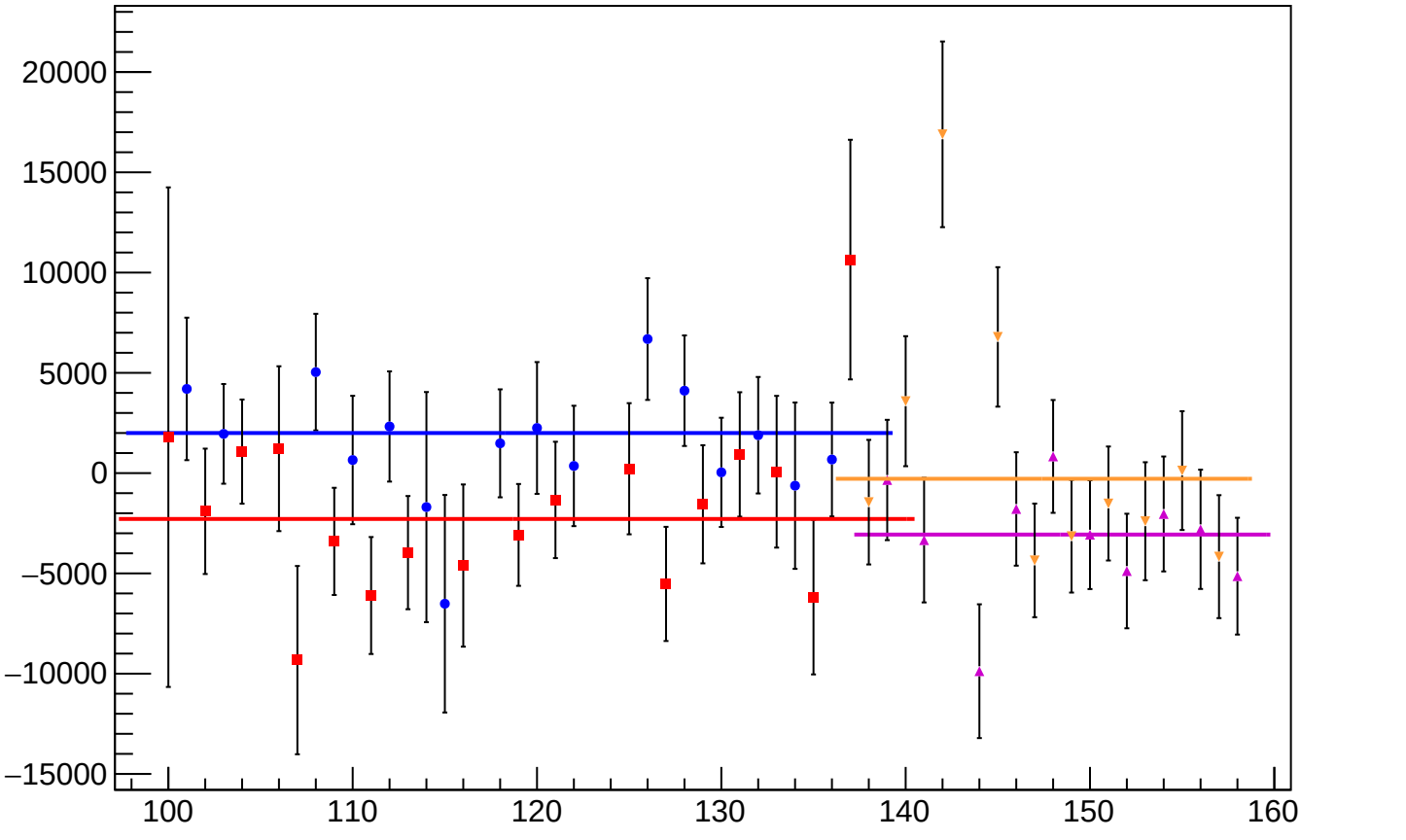
Right Out: 5709.903+/-1.521 χ^2/NDF: 535926.2/17

Left In: 9560.771+/-2.323 χ^2/NDF:413531.8/9

+ sign 7072.337+/-1.352 χ^2/NDF: 2562490.1/25

All: 6962.452+/-0.927 χ^2/NDF: 5447648.2/53

- sign 6865.181+/-1.272 χ^2/NDF: 2872713.5/27



Right In: 1999.218+/-773.538 χ^2/NDF: 9.0/15

Left Out: -282.184+/-981.023 χ^2/NDF:24.9/9

Right Out: -2285.903+/-771.299 χ^2/NDF: 16.7/17

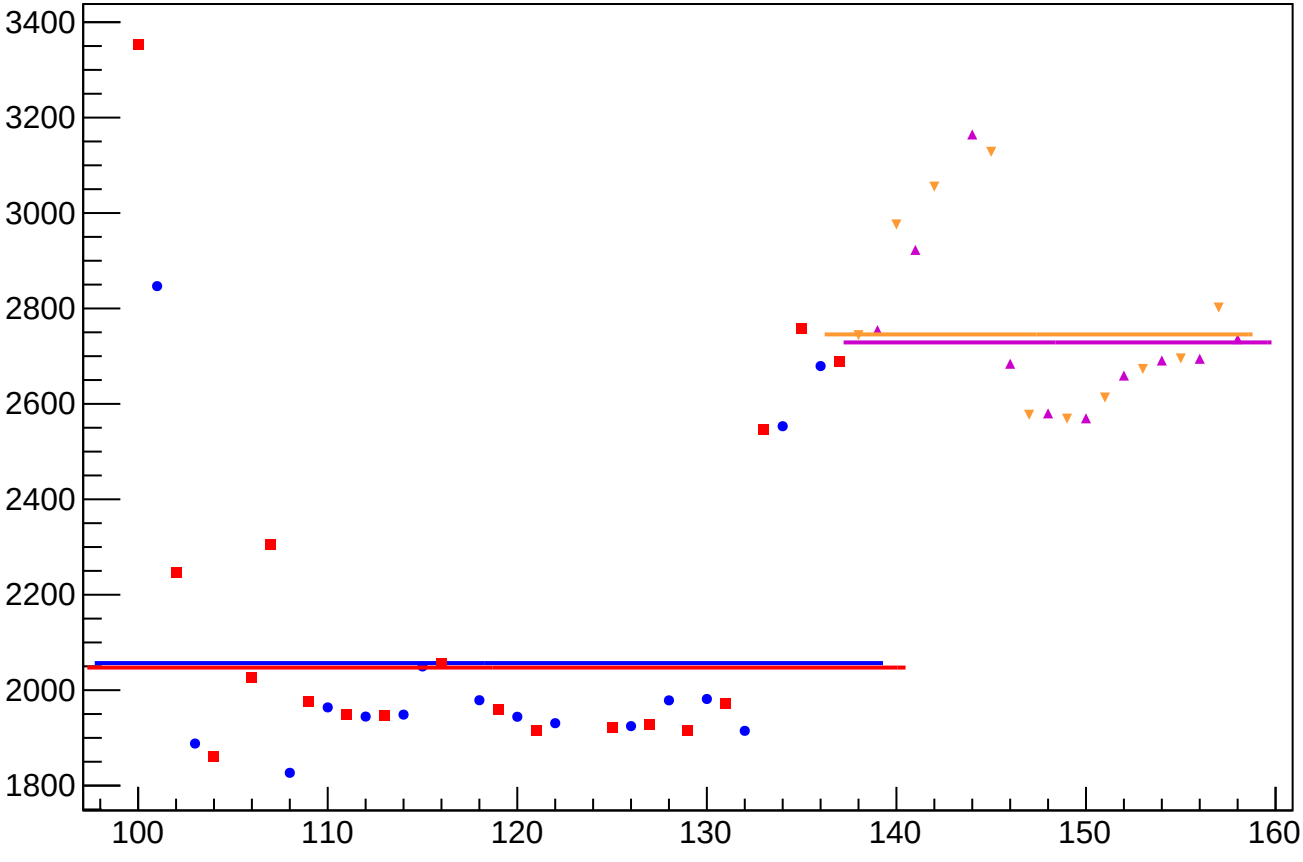
Left In: -3064.192+/-925.612 χ^2/NDF:8.2/9

+ sign 1124.583+/-607.424 χ^2/NDF: 37.2/25

All: -786.379+/-424.154 χ^2/NDF: 81.8/53

- sign -2604.852+/-592.542 χ^2/NDF: 25.3/27

eigen_dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2745.619+/-0.694 χ^2/NDF:65041.7/9

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

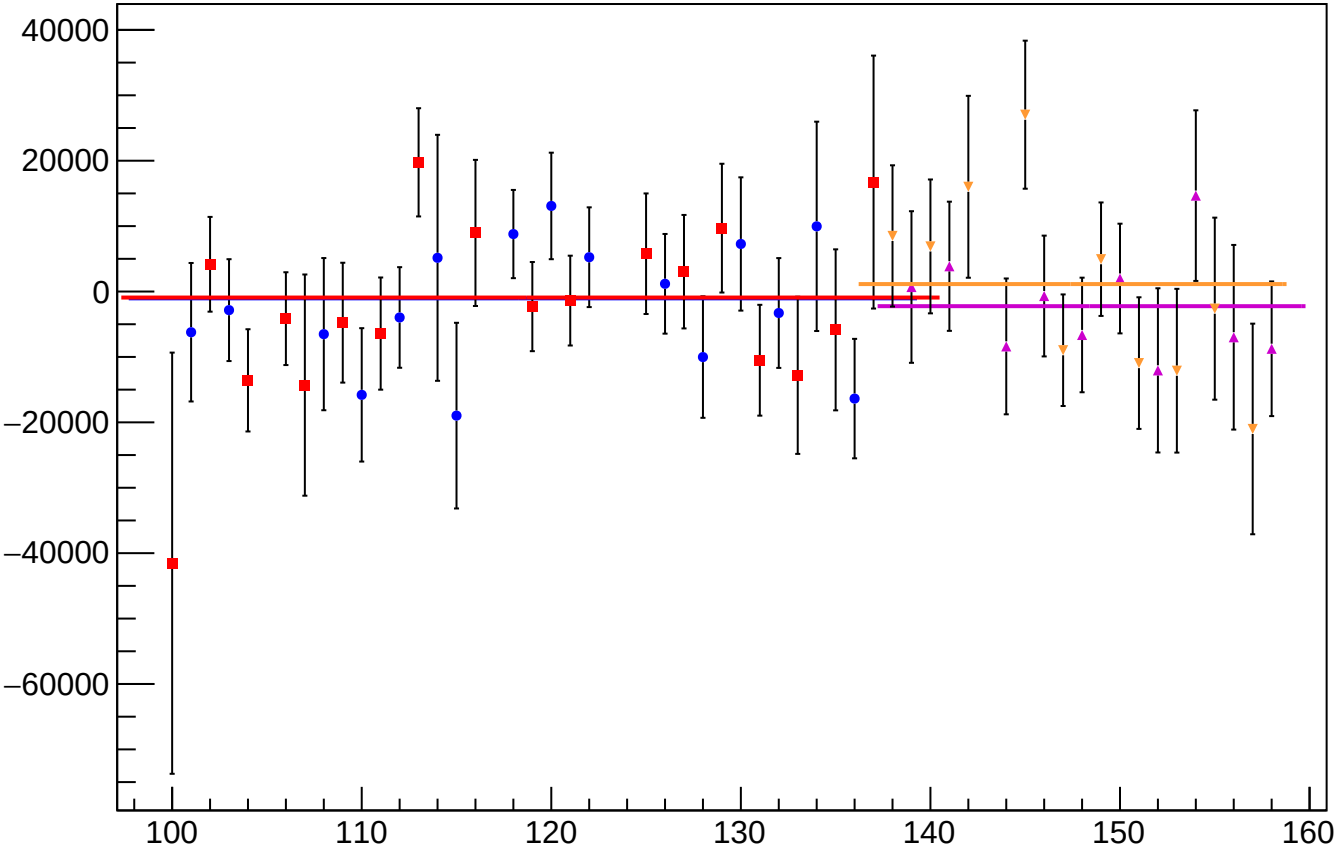
Left In: 2728.821+/-0.655 χ^2/NDF:56850.9/9

+ sign 2320.874+/-0.430 χ^2/NDF: 943501.8/25

All: 2323.582+/-0.300 χ^2/NDF: 1837474.5/53

- sign 2326.154+/-0.419 χ^2/NDF: 893895.2/27

asym_atl2_eigen_dit_correction_mean vs Slug



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: 1139.818+/-3462.272 χ^2/NDF:13.3/9

Right Out: -919.667+/-2150.889 χ^2/NDF: 18.4/17

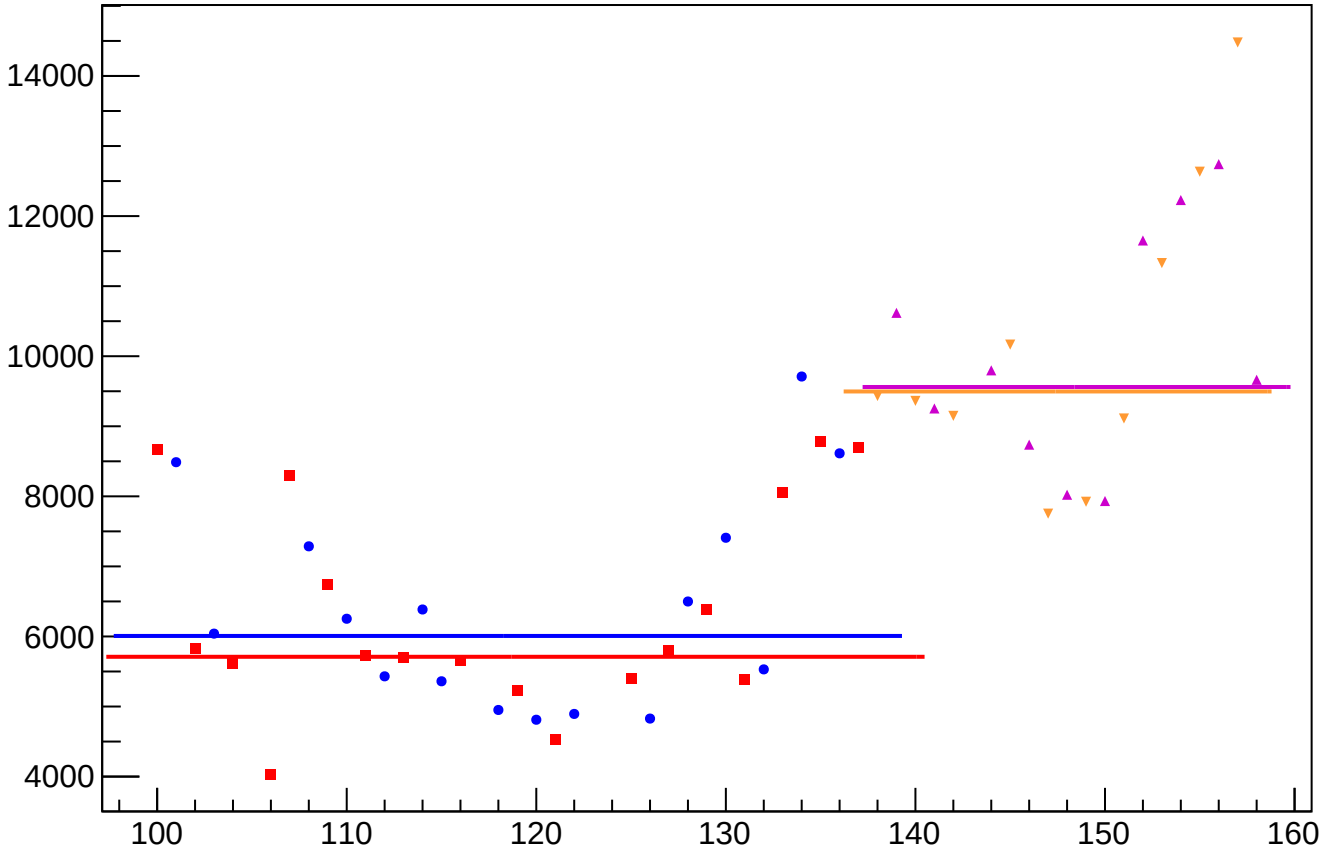
Left In: -2238.564+/-3285.514 χ^2/NDF:4.1/9

+ sign -376.494+/-1912.678 χ^2/NDF: 28.9/25

All: -874.499+/-1310.647 χ^2/NDF: 51.6/53

- sign -1315.340+/-1799.559 χ^2/NDF: 22.6/27

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 9496.828+/-2.448 χ^2/NDF:497008.8/9

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

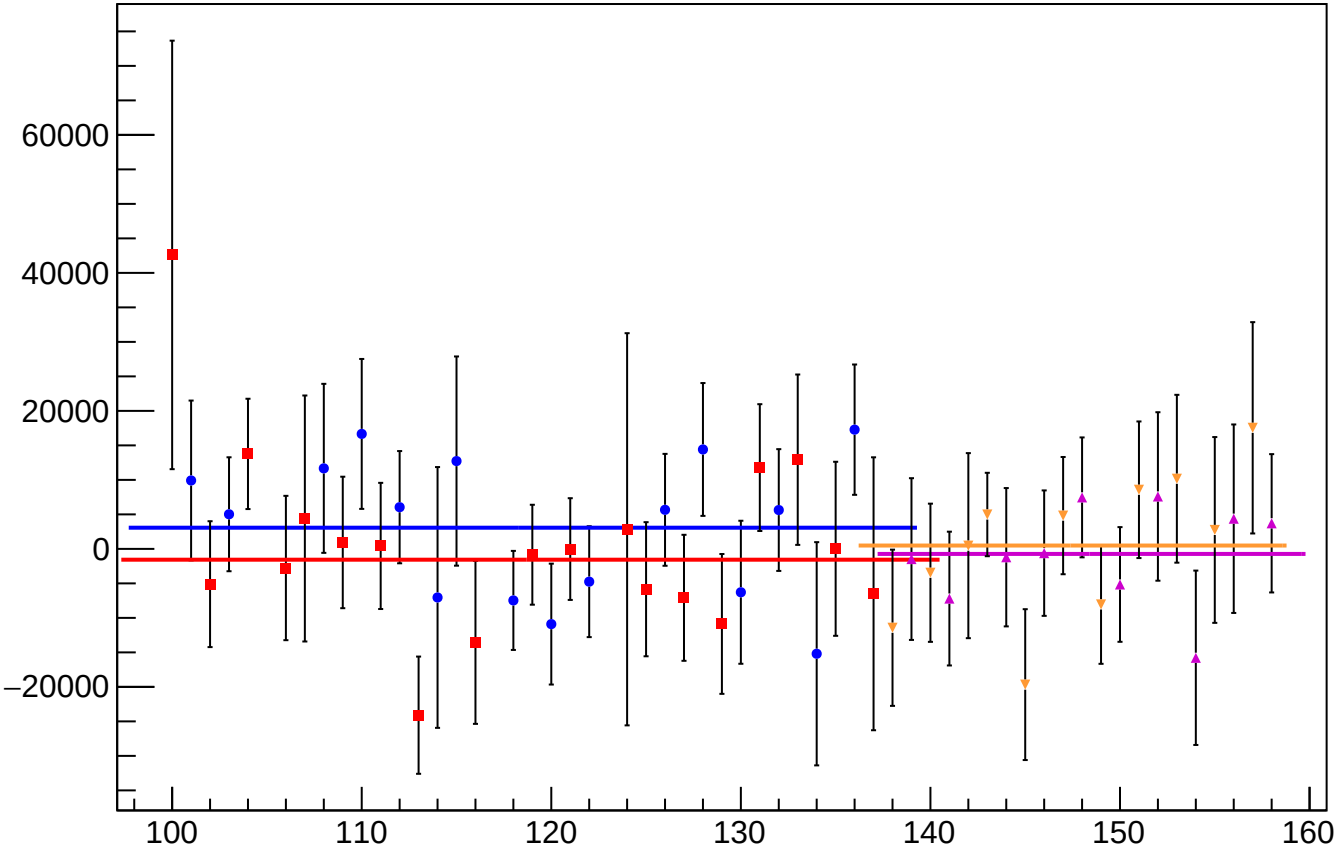
Left In: 9560.782+/-2.323 χ^2/NDF:413534.9/9

+ sign 7072.321+/-1.352 χ^2/NDF: 2562526.8/25

All: 6962.437+/-0.927 χ^2/NDF: 5447720.0/53

- sign 6865.166+/-1.272 χ^2/NDF: 2872748.7/27

asym_atl2_mean vs Slug



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: 485.722+/-2972.533 χ^2/NDF:9.0/10

Right Out: -1567.088+/-2335.884 χ^2/NDF: 19.2/18

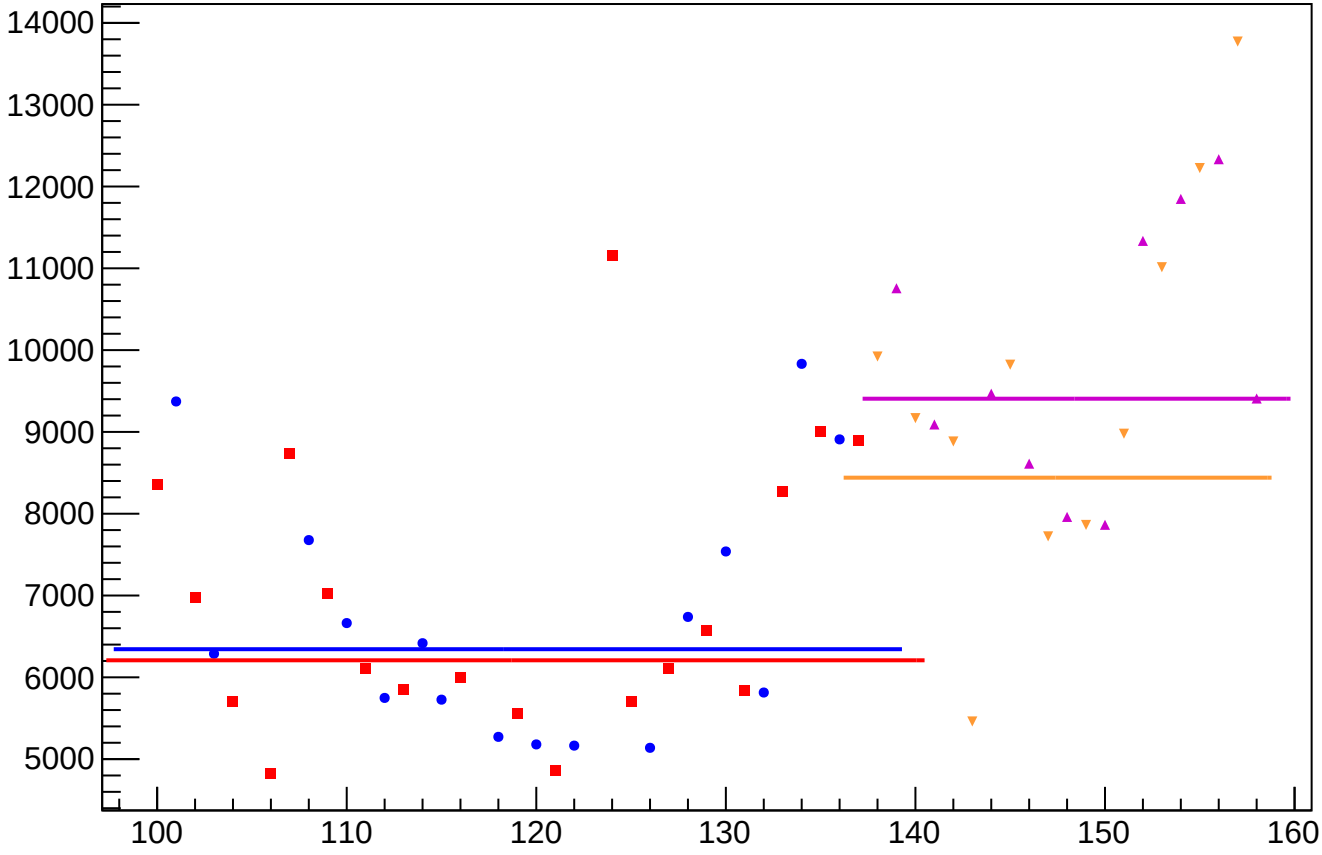
Left In: -730.873+/-3227.735 χ^2/NDF:3.8/9

+ sign 2039.709+/-1877.043 χ^2/NDF: 24.3/26

All: 393.484+/-1332.642 χ^2/NDF: 49.0/55

- sign -1279.668+/-1892.332 χ^2/NDF: 23.1/28

asym_atl2_rms vs Slug



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 8440.622+/-2.102 χ^2/NDF:1084387.9/10

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

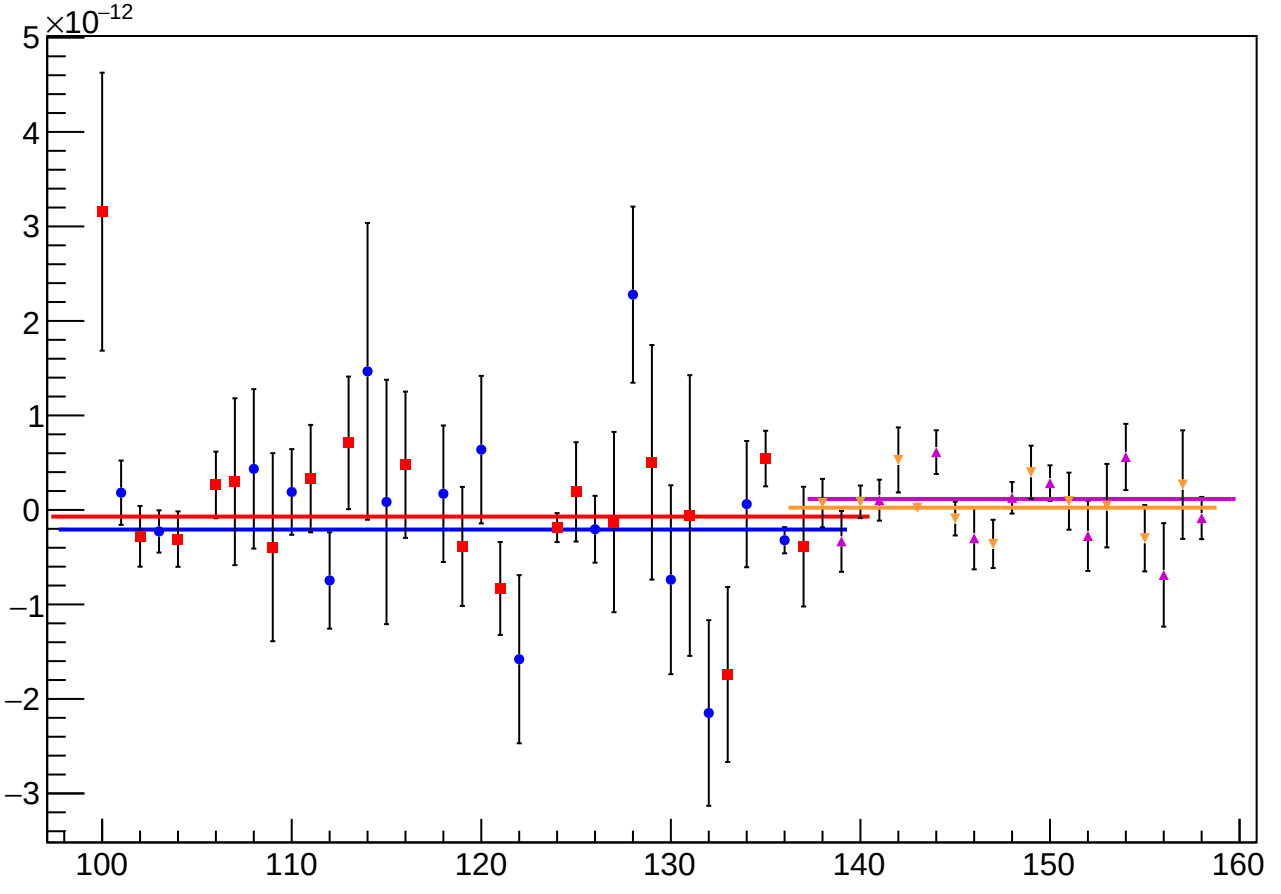
Left In: 9405.984+/-2.282 χ^2/NDF:384671.5/9

+ sign 7179.893+/-1.327 χ^2/NDF: 2303985.3/26

All: 7243.058+/-0.942 χ^2/NDF: 4453470.8/55

- sign 7307.257+/-1.338 χ^2/NDF: 2144918.7/28

asym_atl2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.9/10

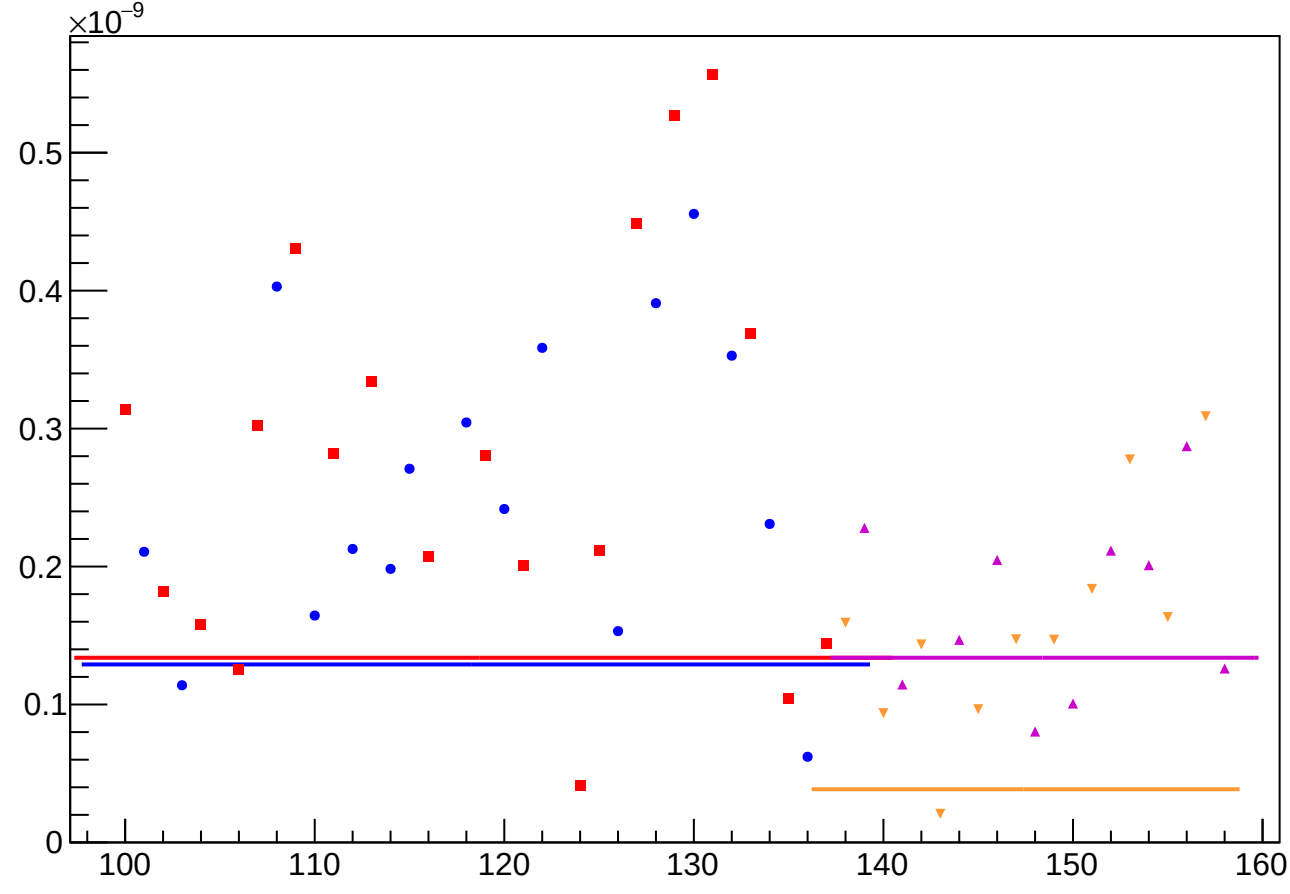
Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: 0.000+/-0.000 χ^2/NDF:14.6/9

+ sign -0.000+/-0.000 χ^2/NDF: 34.1/26

All: 0.000+/-0.000 χ^2/NDF: 72.2/55

- sign 0.000+/-0.000 χ^2/NDF: 37.7/28



Right In: 0.000+/-0.000 χ^2/NDF: 1720321.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3949475.7/10

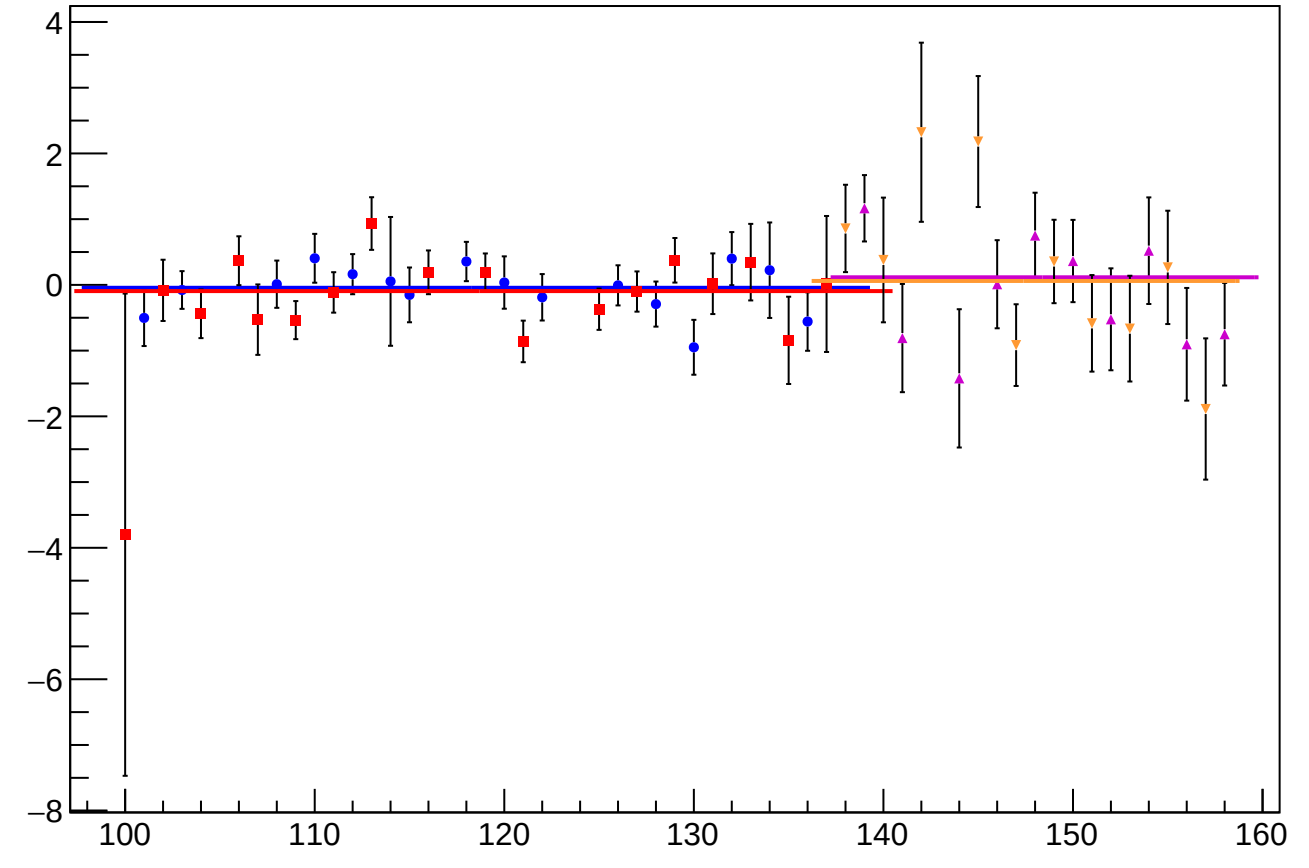
Right Out: 0.000+/-0.000 χ^2/NDF: 2304489.5/18

Left In: 0.000+/-0.000 χ^2/NDF:872861.8/9

+ sign 0.000+/-0.000 χ^2/NDF: 7283180.6/26

All: 0.000+/-0.000 χ^2/NDF: 13624430.0/55

- sign 0.000+/-0.000 χ^2/NDF: 3177351.3/28



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.060+/-0.253 χ^2/NDF:16.5/9

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

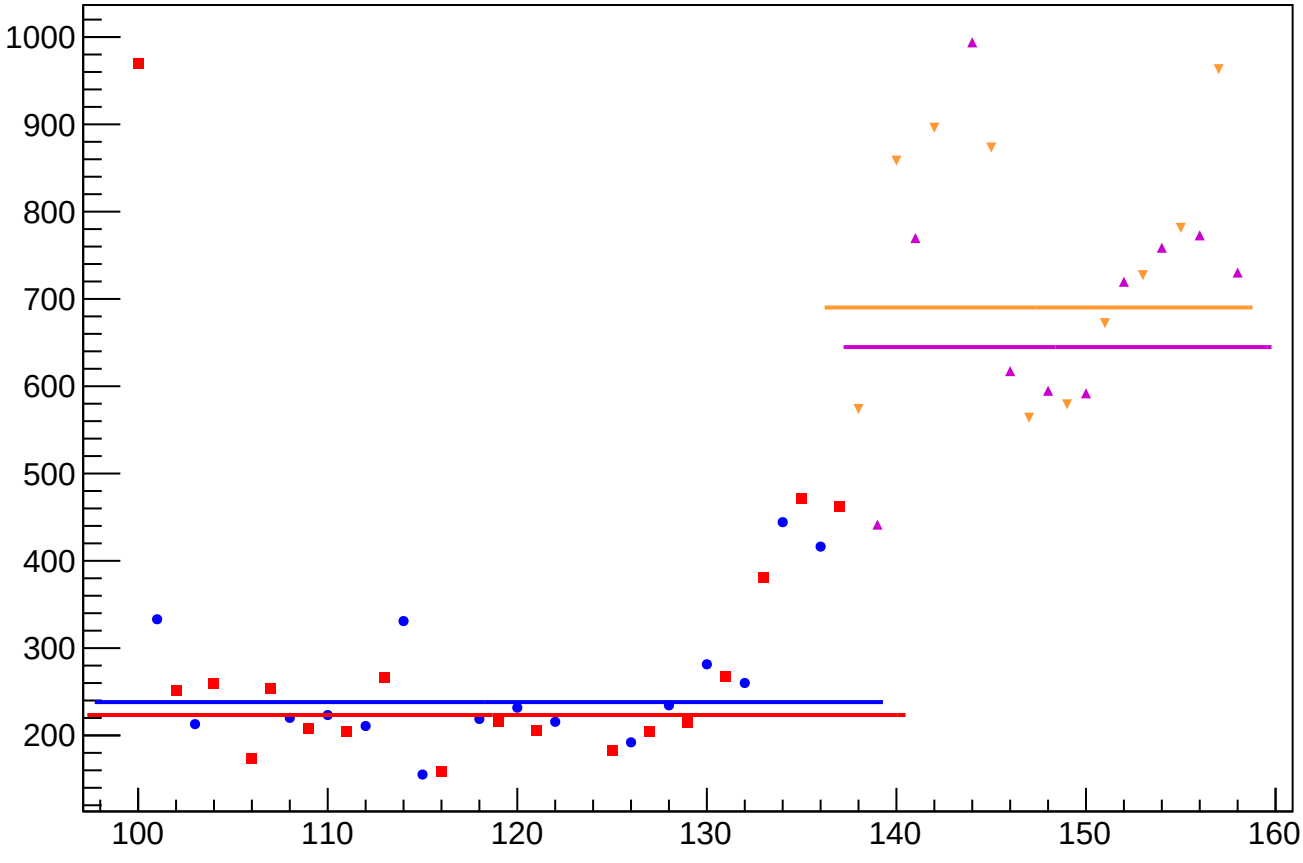
Left In: 0.116+/-0.226 χ^2/NDF:12.4/9

+ sign -0.032+/-0.088 χ^2/NDF: 29.7/25

All: -0.049+/-0.061 χ^2/NDF: 68.2/53

- sign -0.066+/-0.084 χ^2/NDF: 38.4/27

asym_atl2_dit_vs_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 690.181+/-0.179 χ^2/NDF:537972.8/9

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

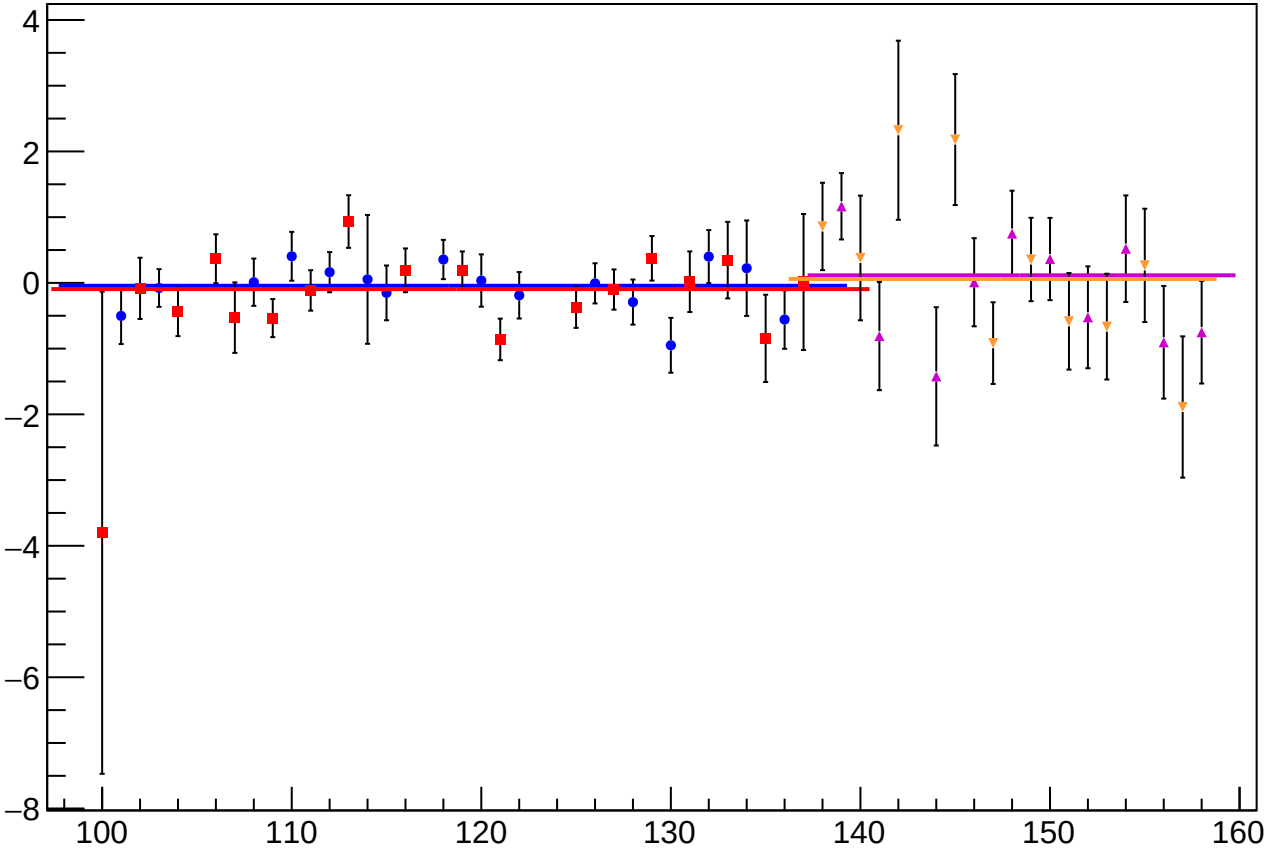
Left In: 644.858+/-0.160 χ^2/NDF:746707.9/9

+ sign 292.722+/-0.062 χ^2/NDF: 6951007.8/25

All: 286.678+/-0.043 χ^2/NDF: 14591311.6/53

- sign 281.214+/-0.059 χ^2/NDF: 7622323.1/27

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.060+/-0.253 χ^2/NDF:16.5/9

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

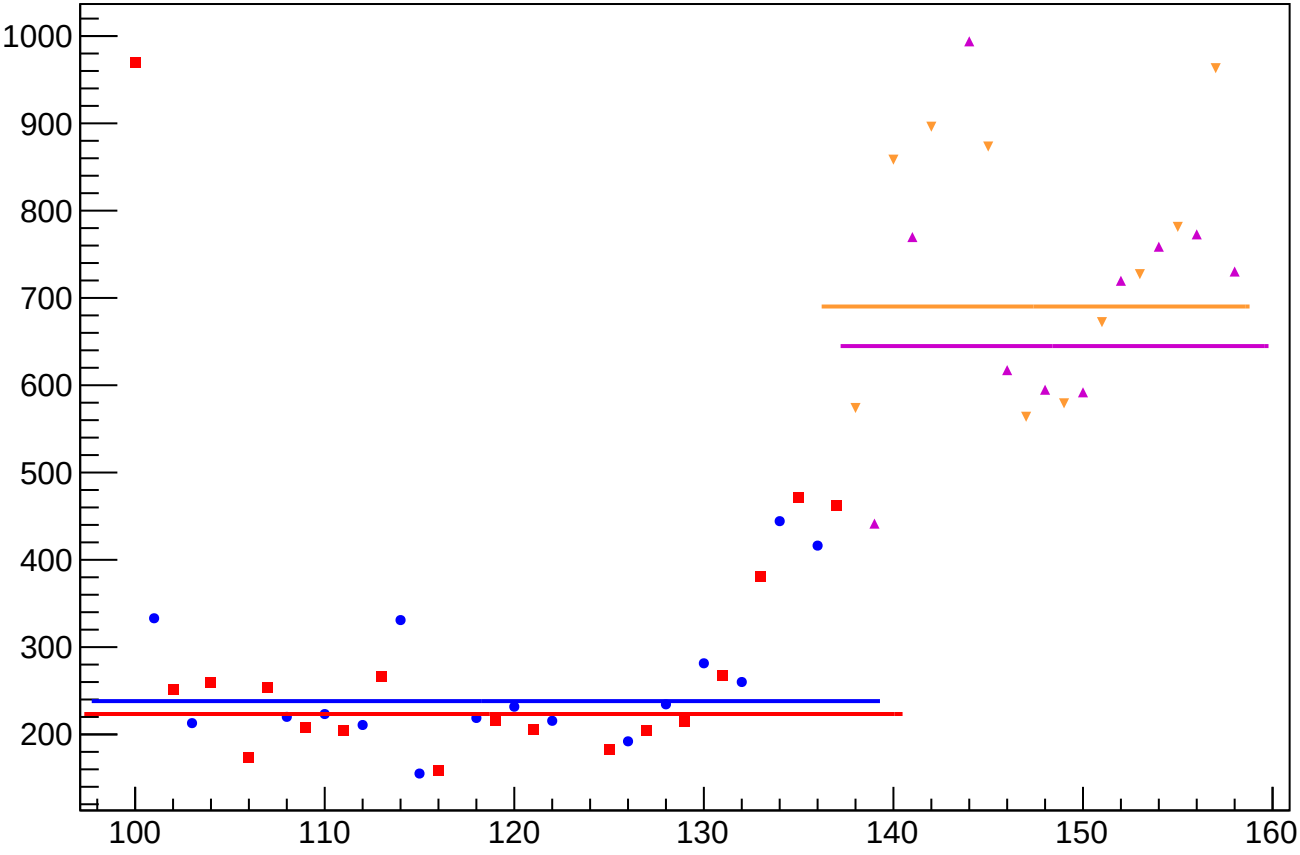
Left In: 0.116+/-0.226 χ^2/NDF:12.4/9

+ sign -0.032+/-0.088 χ^2/NDF: 29.7/25

All: -0.049+/-0.061 χ^2/NDF: 68.2/53

- sign -0.066+/-0.084 χ^2/NDF: 38.4/27

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 690.181+/-0.179 χ^2/NDF:537972.8/9

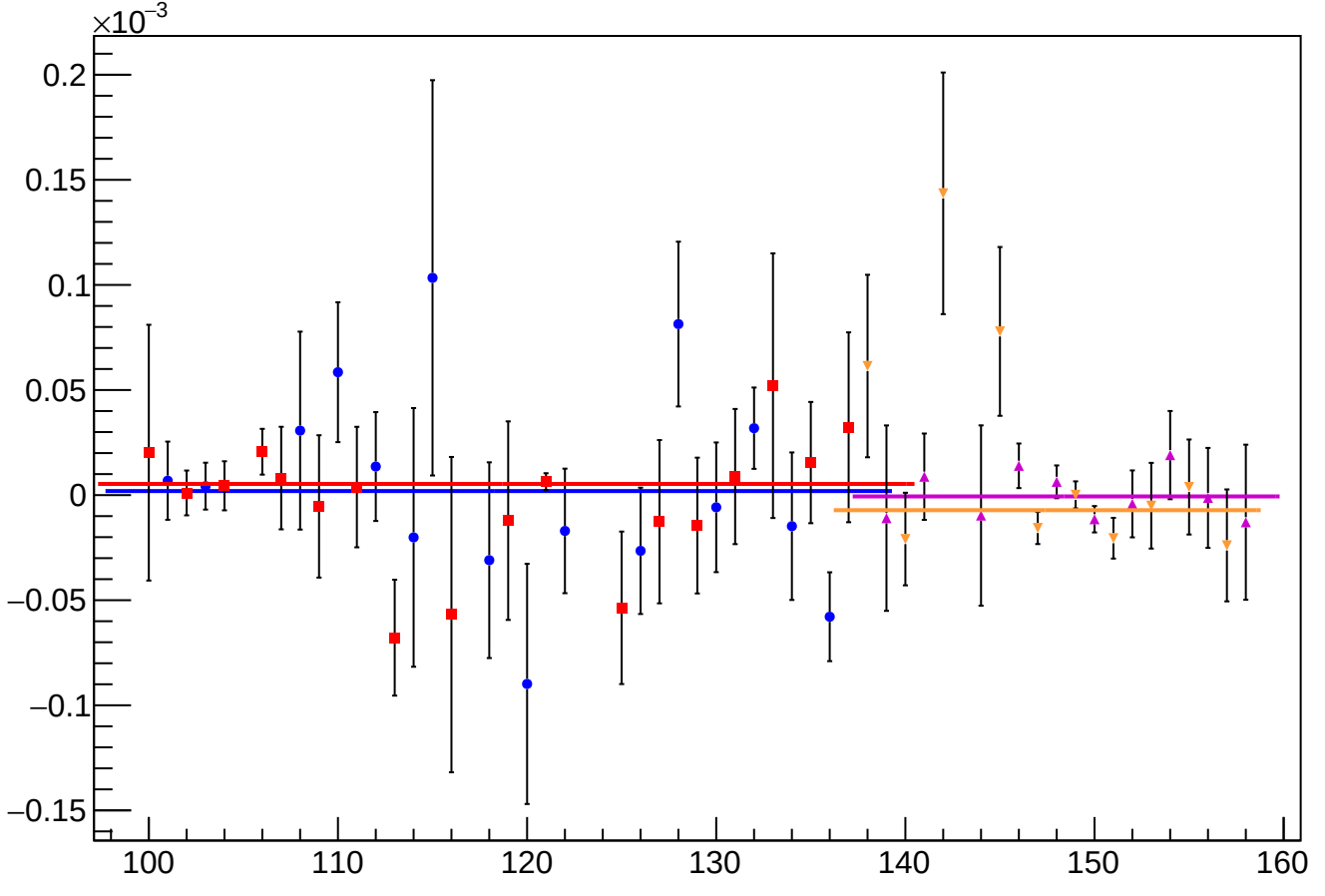
Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 644.858+/-0.160 χ^2/NDF:746707.9/9

+ sign 292.722+/-0.062 χ^2/NDF: 6951007.8/25

All: 286.678+/-0.043 χ^2/NDF: 14591311.6/53

- sign 281.214+/-0.059 χ^2/NDF: 7622323.1/27



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.3/9

Right Out: 0.000+/-0.000 χ^2/NDF: 14.5/17

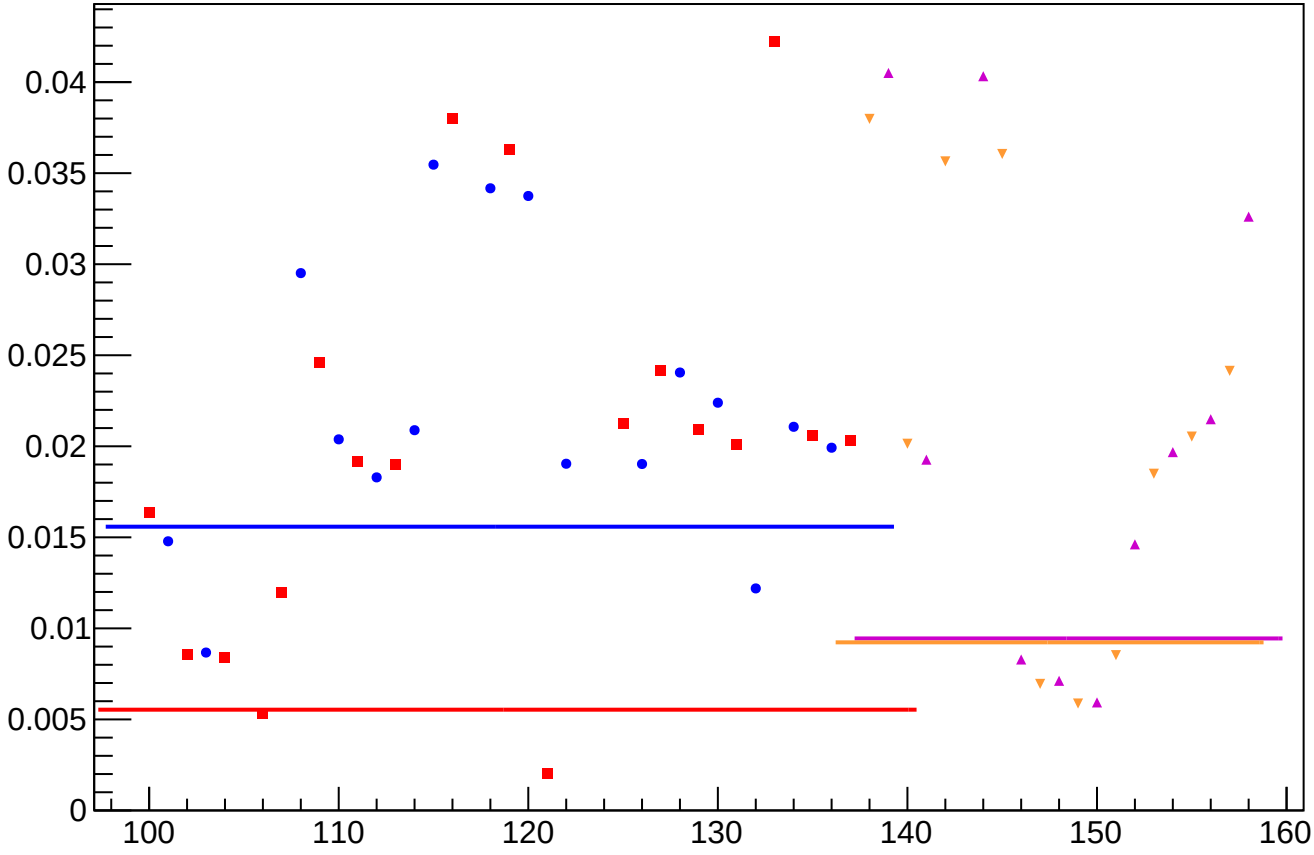
Left In: -0.000+/-0.000 χ^2/NDF:7.0/9

+ sign -0.000+/-0.000 χ^2/NDF: 44.8/25

All: 0.000+/-0.000 χ^2/NDF: 70.9/53

- sign 0.000+/-0.000 χ^2/NDF: 22.9/27

asym_atl2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

Left Out: 0.009+/-0.000 χ^2/NDF:4956055.7/9

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

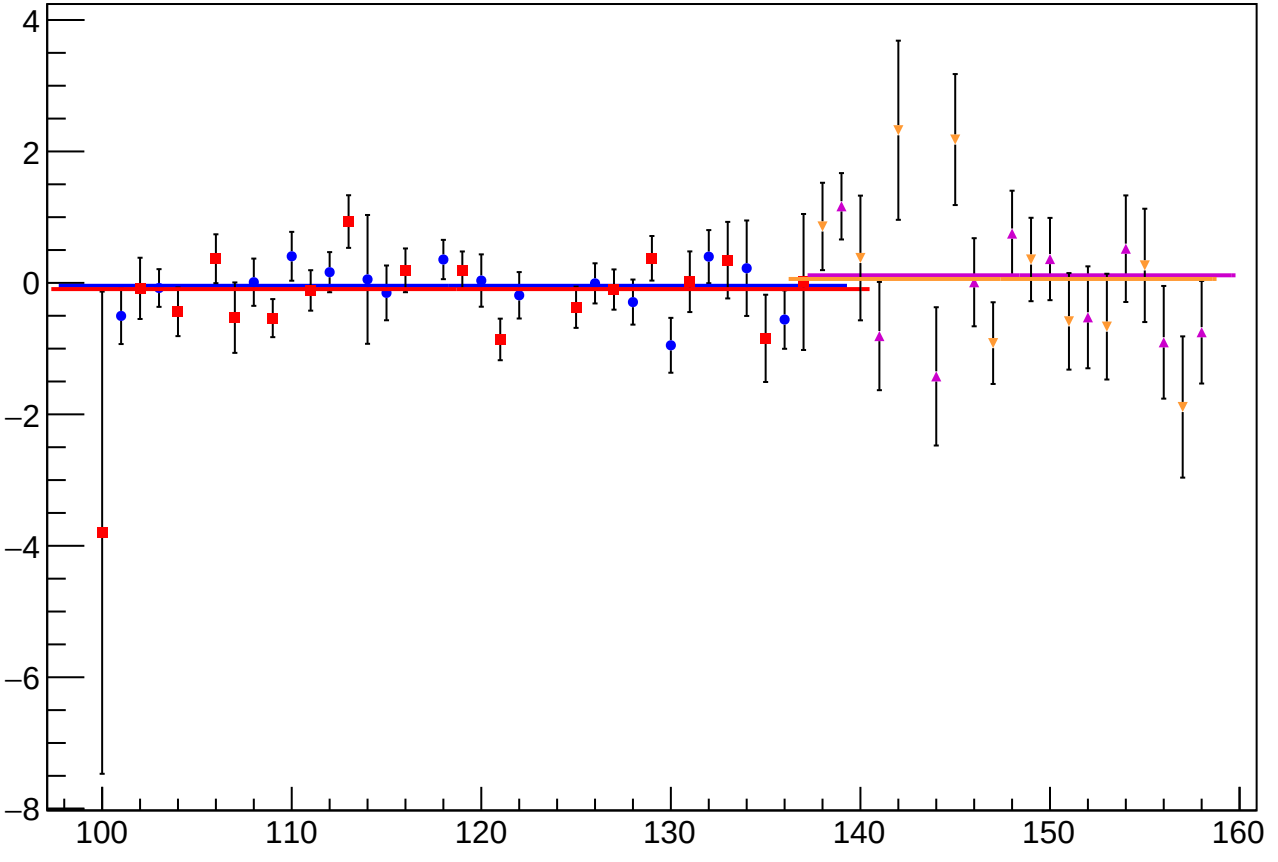
Left In: 0.009+/-0.000 χ^2/NDF:5301830.1/9

+ sign 0.011+/-0.000 χ^2/NDF: 8446644.2/25

All: 0.008+/-0.000 χ^2/NDF: 24653631.6/53

- sign 0.007+/-0.000 χ^2/NDF: 14429108.2/27

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.060+/-0.253 χ^2/NDF:16.5/9

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

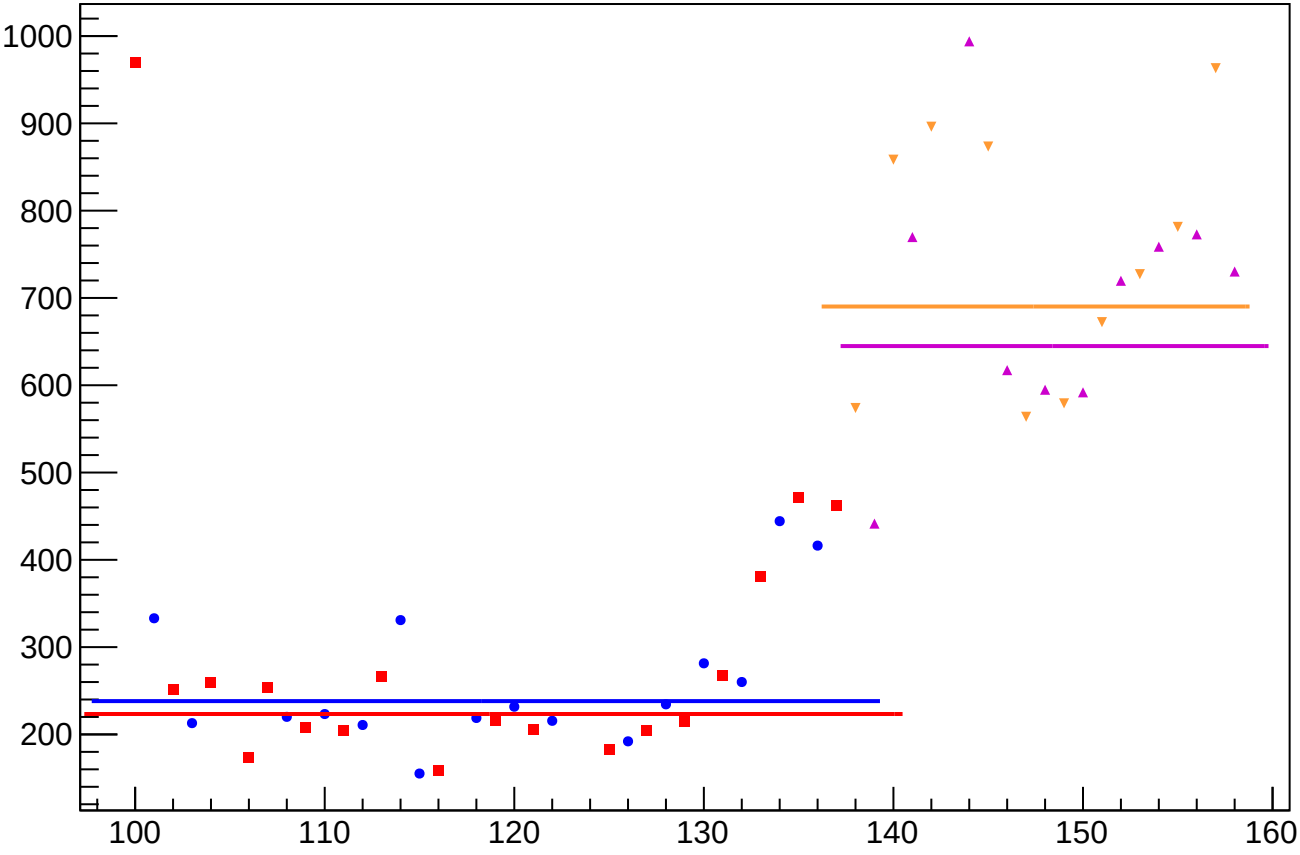
Left In: 0.116+/-0.226 χ^2/NDF:12.4/9

+ sign -0.032+/-0.088 χ^2/NDF: 29.7/25

All: -0.049+/-0.061 χ^2/NDF: 68.2/53

- sign -0.066+/-0.084 χ^2/NDF: 38.4/27

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 690.187+/-0.179 χ^2/NDF:538020.6/9

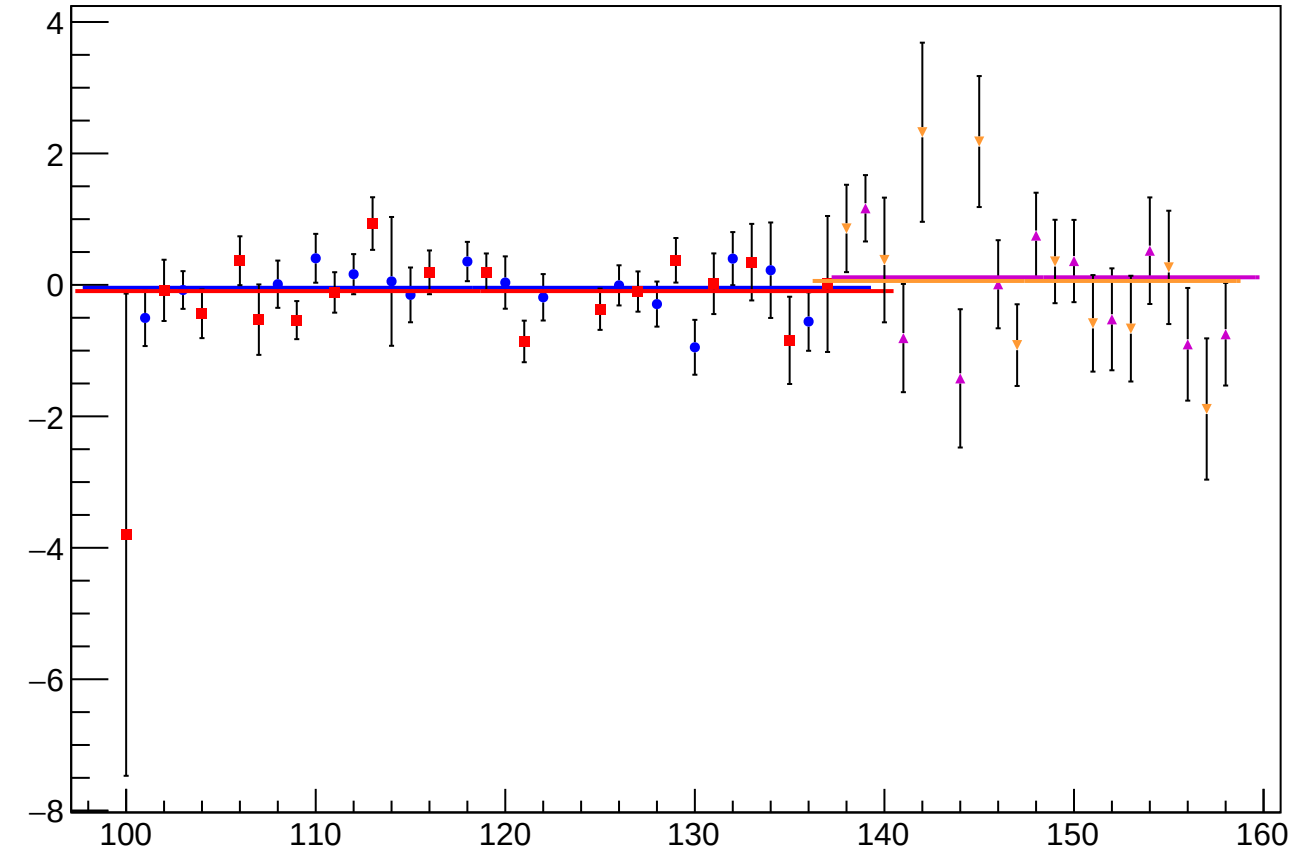
Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 644.868+/-0.160 χ^2/NDF:746697.5/9

+ sign 292.723+/-0.062 χ^2/NDF: 6951053.3/25

All: 286.679+/-0.043 χ^2/NDF: 14591356.4/53

- sign 281.216+/-0.059 χ^2/NDF: 7622325.5/27



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.060+/-0.253 χ^2/NDF:16.5/9

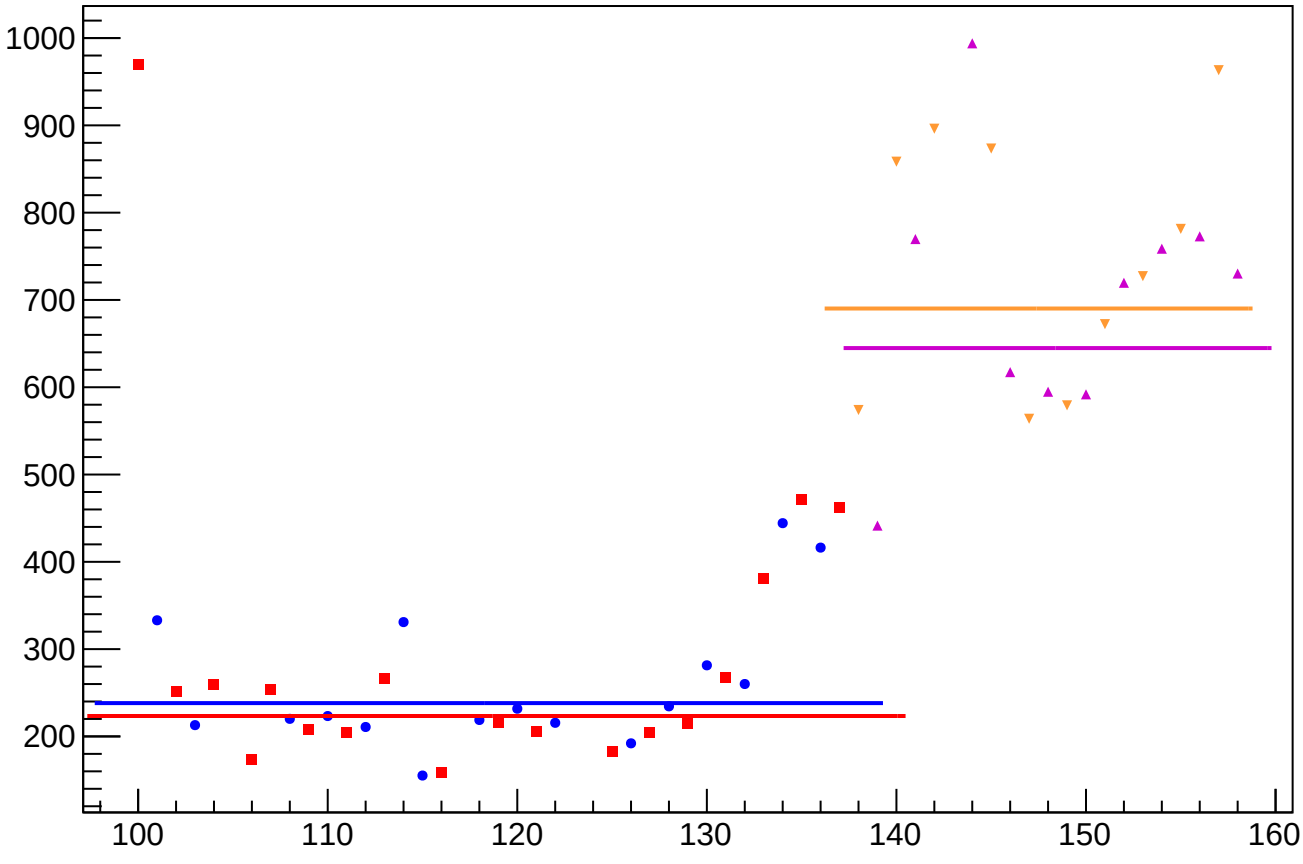
Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: 0.116+/-0.226 χ^2/NDF:12.4/9

+ sign -0.032+/-0.088 χ^2/NDF: 29.7/25

All: -0.049+/-0.061 χ^2/NDF: 68.2/53

- sign -0.066+/-0.084 χ^2/NDF: 38.4/27



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 690.187+/-0.179 χ^2/NDF:538020.6/9

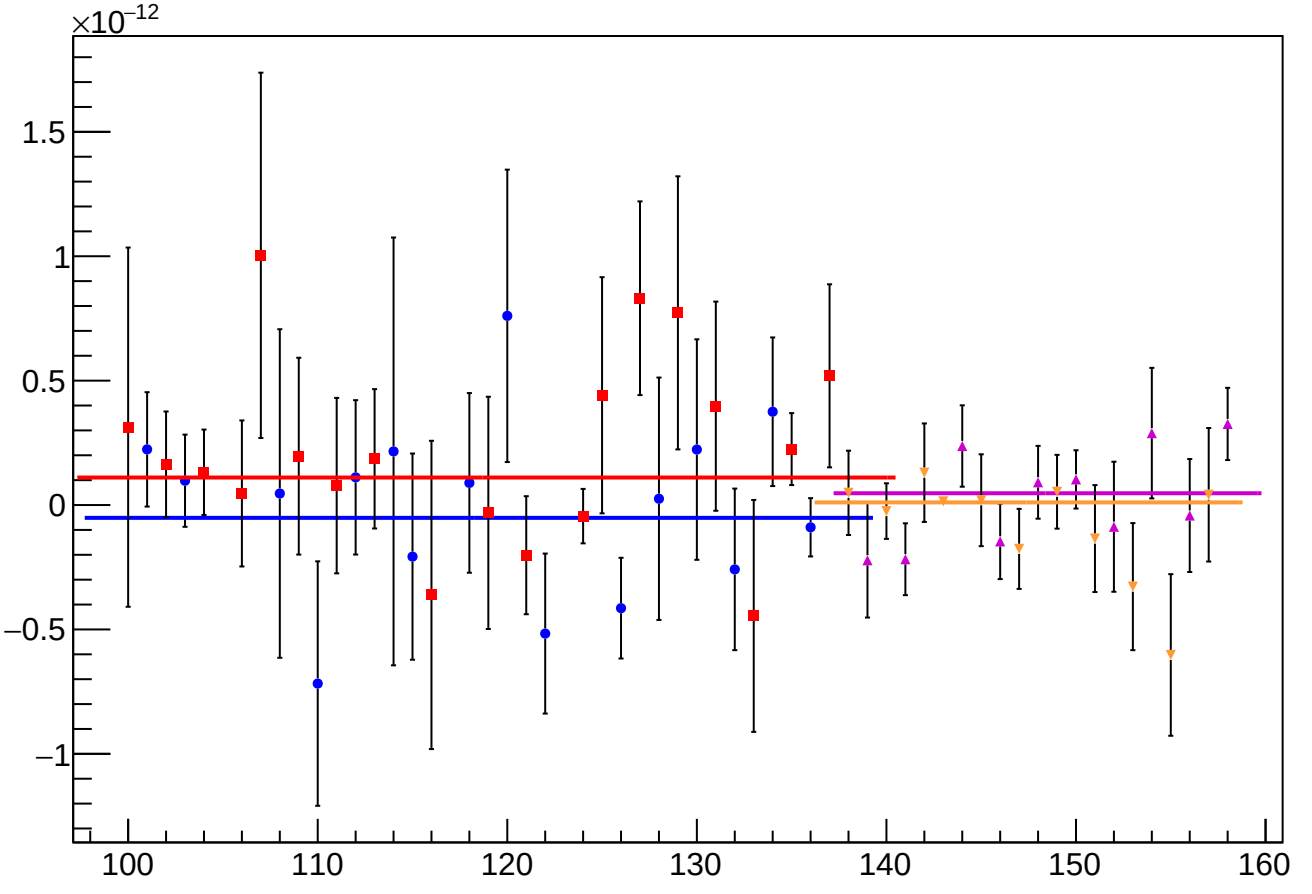
Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 644.868+/-0.160 χ^2/NDF:746697.5/9

+ sign 292.723+/-0.062 χ^2/NDF: 6951053.3/25

All: 286.679+/-0.043 χ^2/NDF: 14591356.4/53

- sign 281.216+/-0.059 χ^2/NDF: 7622325.5/27



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.8/10

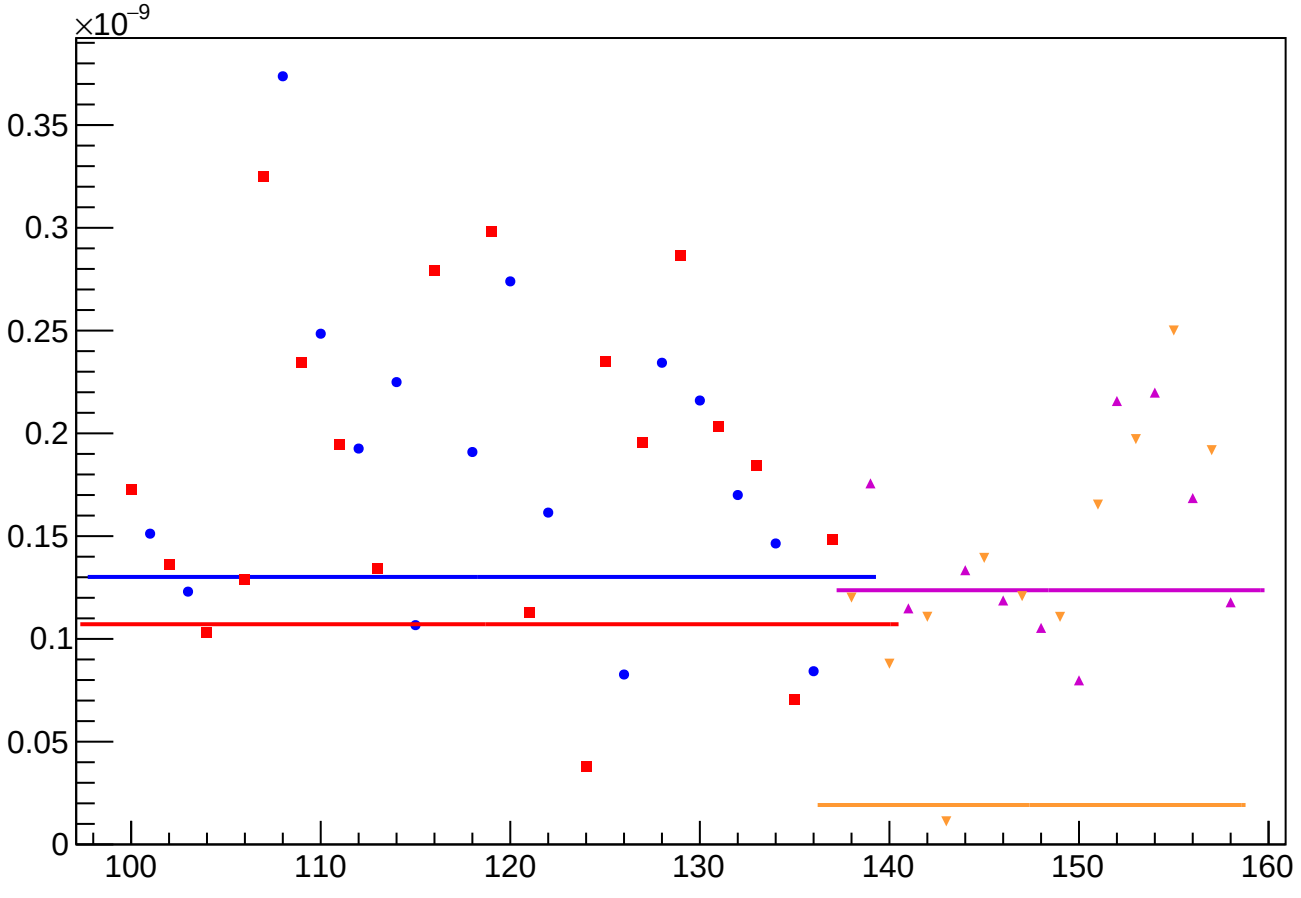
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:13.0/9

+ sign 0.000+/-0.000 χ^2/NDF: 23.4/26

All: 0.000+/-0.000 χ^2/NDF: 55.0/55

- sign 0.000+/-0.000 χ^2/NDF: 29.0/28



Right In: 0.000+/-0.000 χ^2/NDF: 1334266.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:8569406.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2656168.1/18

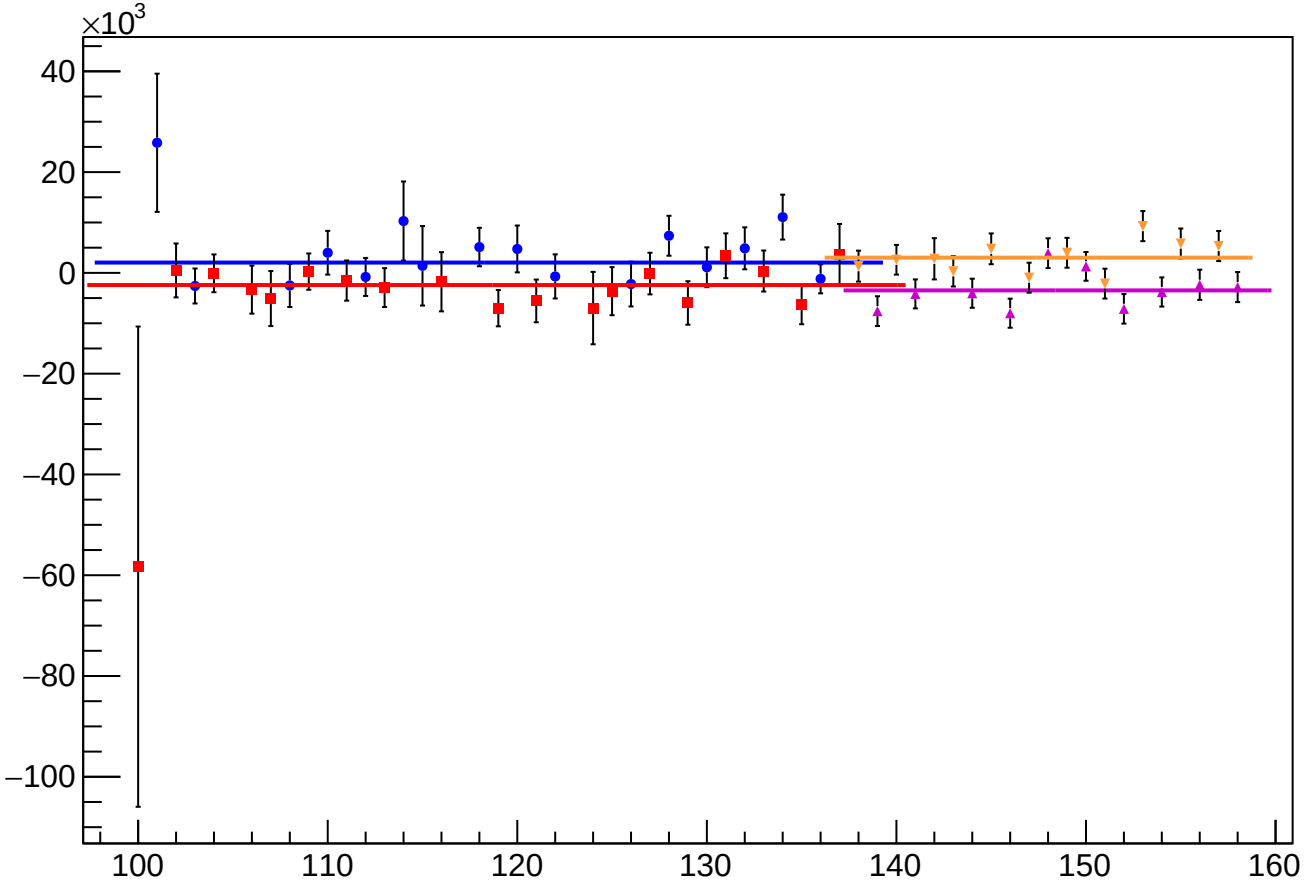
Left In: 0.000+/-0.000 χ^2/NDF:1027911.1/9

+ sign 0.000+/-0.000 χ^2/NDF: 15059926.6/26

All: 0.000+/-0.000 χ^2/NDF: 28521604.3/55

- sign 0.000+/-0.000 χ^2/NDF: 3771786.6/28

reg_asym_atr1_mean vs Slug



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 3021.768+/-922.648 χ^2/NDF:12.2/10

Right Out: -2411.858+/-1035.471 χ^2/NDF: 10.8/18

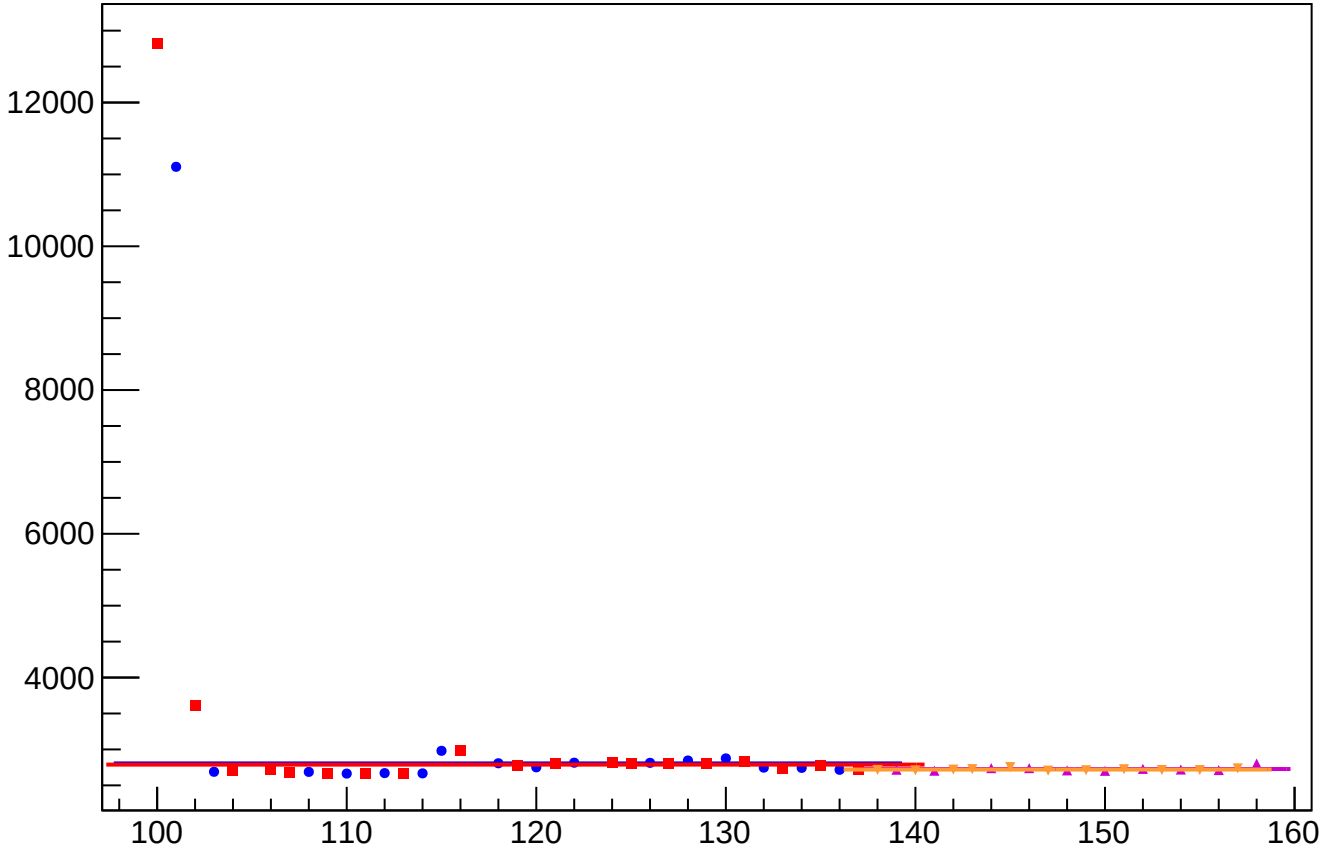
Left In: -3474.531+/-923.466 χ^2/NDF:15.3/9

+ sign 2607.313+/-698.857 χ^2/NDF: 30.5/26

All: -237.262+/-490.716 χ^2/NDF: 89.9/55

- sign -3003.756+/-689.199 χ^2/NDF: 26.7/28

reg_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2720.180+/-0.652 χ^2/NDF:448.0/10

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

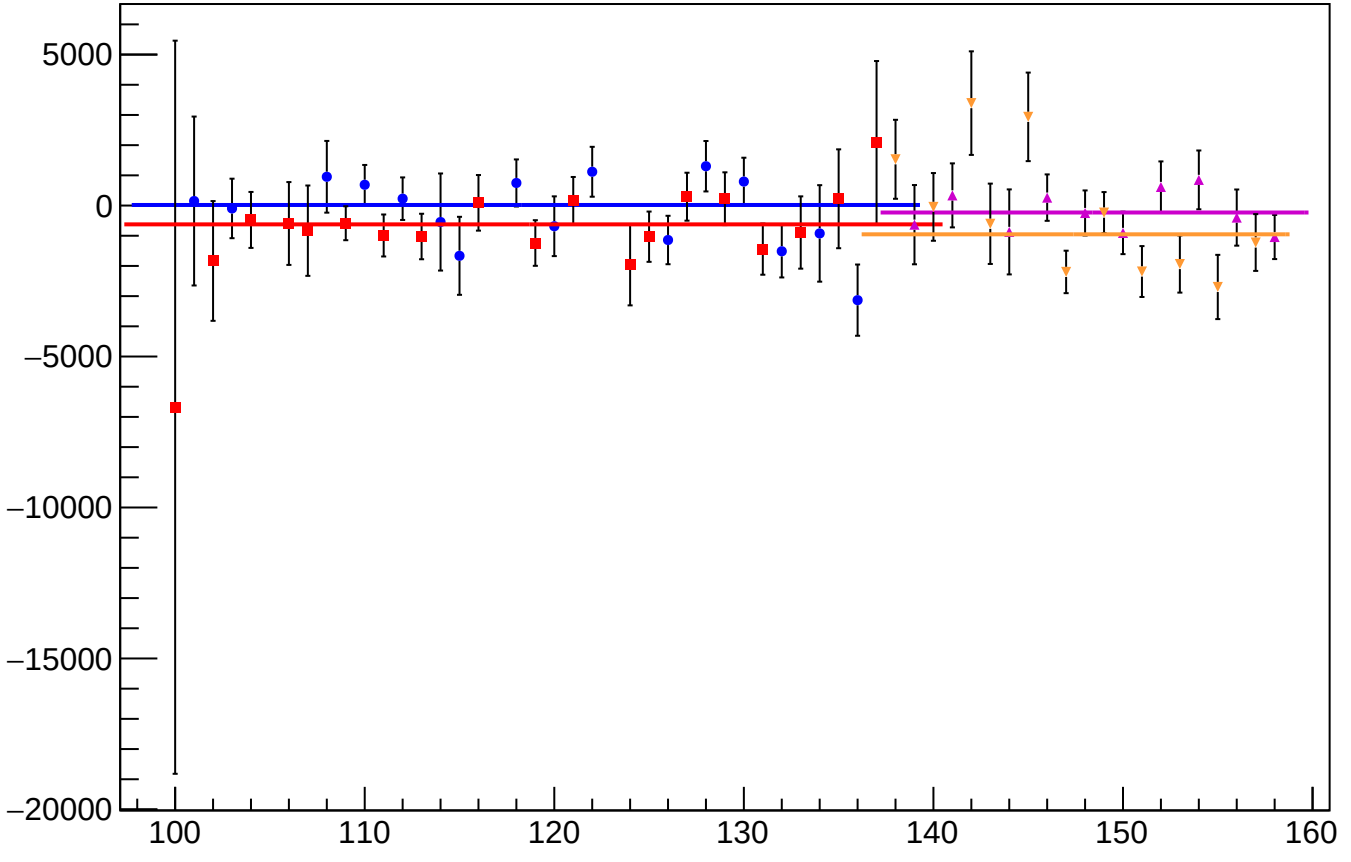
Left In: 2727.633+/-0.653 χ^2/NDF:1820.0/9

+ sign 2756.526+/-0.494 χ^2/NDF: 753969.7/26

All: 2755.620+/-0.347 χ^2/NDF: 906684.5/55

- sign 2754.739+/-0.487 χ^2/NDF: 152708.2/28

asym_atr1_reg_correction_mean vs Slug



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: -952.716+/-295.256 χ^2/NDF:28.0/10

Right Out: -623.107+/-215.948 χ^2/NDF: 9.3/18

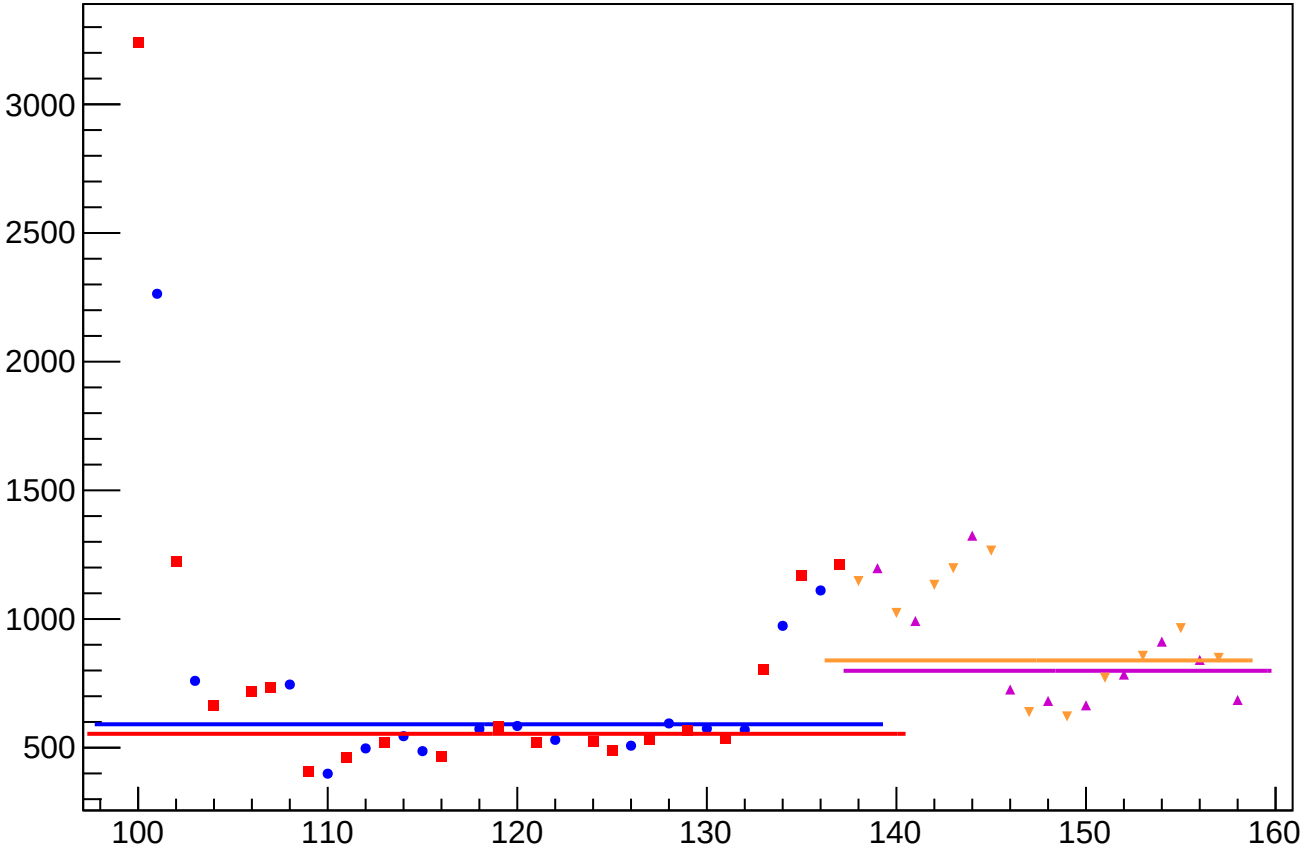
Left In: -230.447+/-277.716 χ^2/NDF:5.4/9

+ sign -354.872+/-183.140 χ^2/NDF: 57.4/26

All: -419.313+/-124.781 χ^2/NDF: 73.6/55

- sign -475.150+/-170.475 χ^2/NDF: 15.9/28

asym_atr1_reg_correction_rms vs Slug



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 839.138+/-0.209 χ^2/NDF:946640.1/10

Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

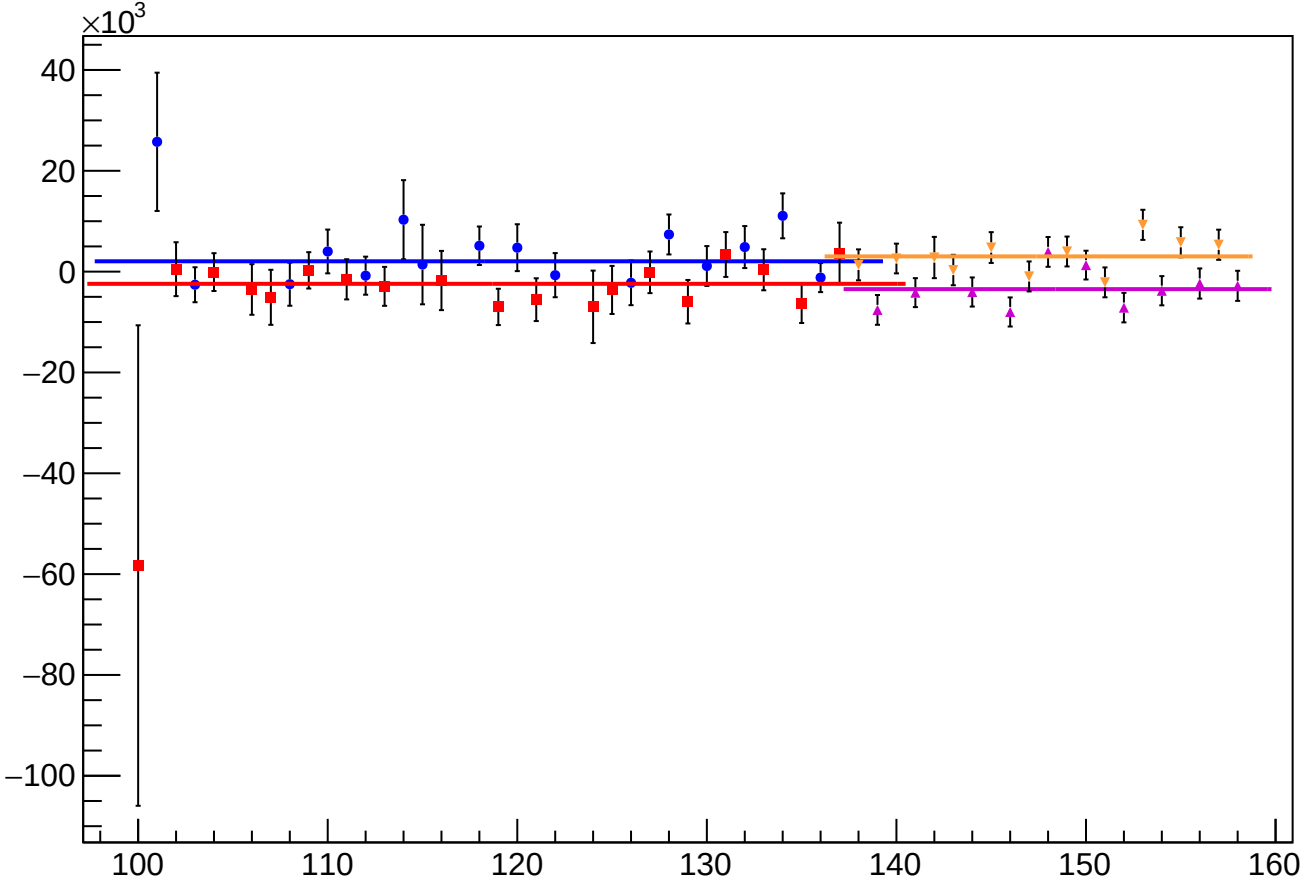
Left In: 798.860+/-0.196 χ^2/NDF:749257.1/9

+ sign 686.495+/-0.129 χ^2/NDF: 3383130.7/26

All: 664.935+/-0.088 χ^2/NDF: 6270095.1/55

- sign 646.253+/-0.121 χ^2/NDF: 2835229.7/28

cor_asym_atr1_mean vs Slug



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 3021.849+/-922.648 χ^2/NDF:12.2/10

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

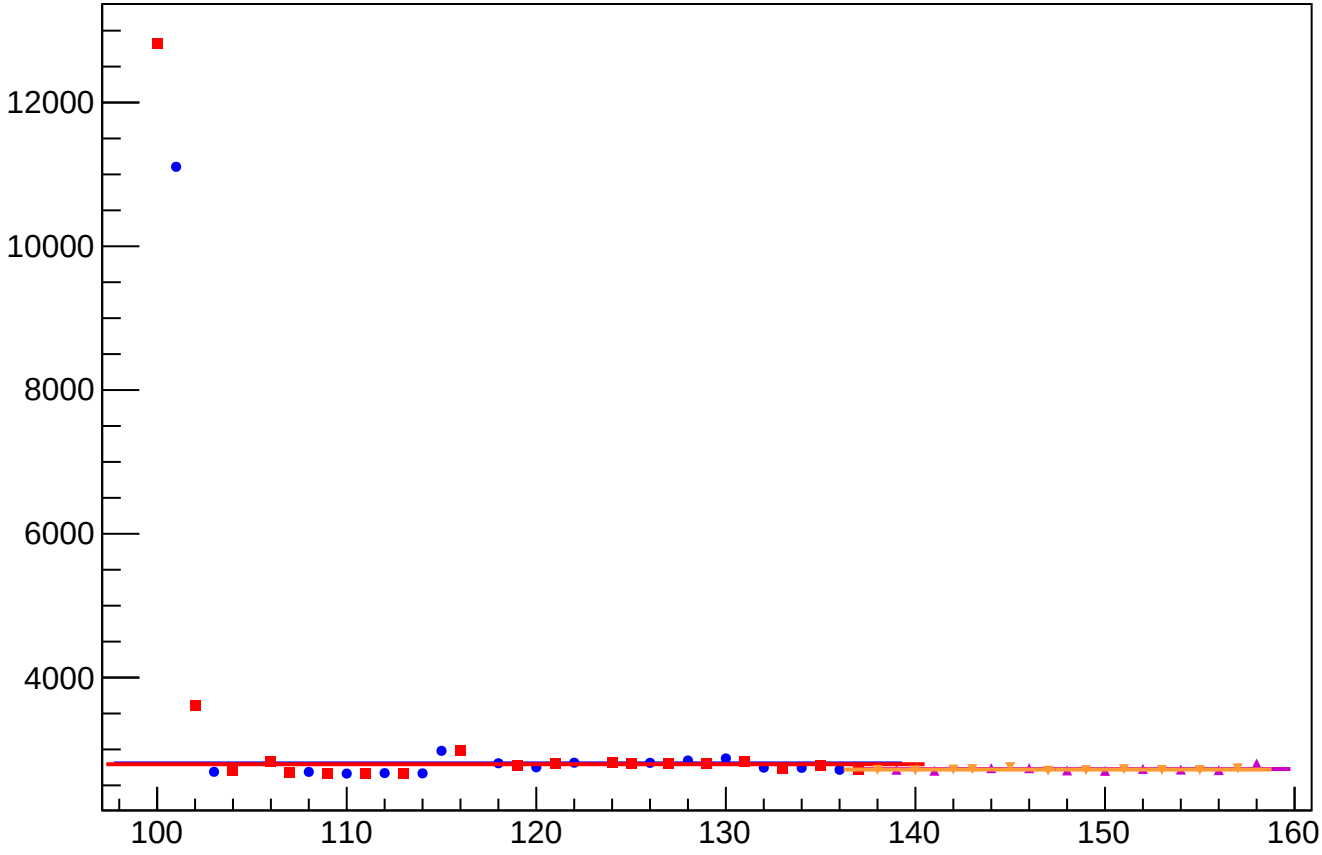
Left In: -3474.617+/-923.466 χ^2/NDF:15.3/9

+ sign 2607.016+/-698.857 χ^2/NDF: 30.5/26

All: -236.542+/-490.969 χ^2/NDF: 89.9/55

- sign -3007.684+/-689.901 χ^2/NDF: 26.7/28

cor_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2720.180+/-0.652 χ^2/NDF:448.0/10

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

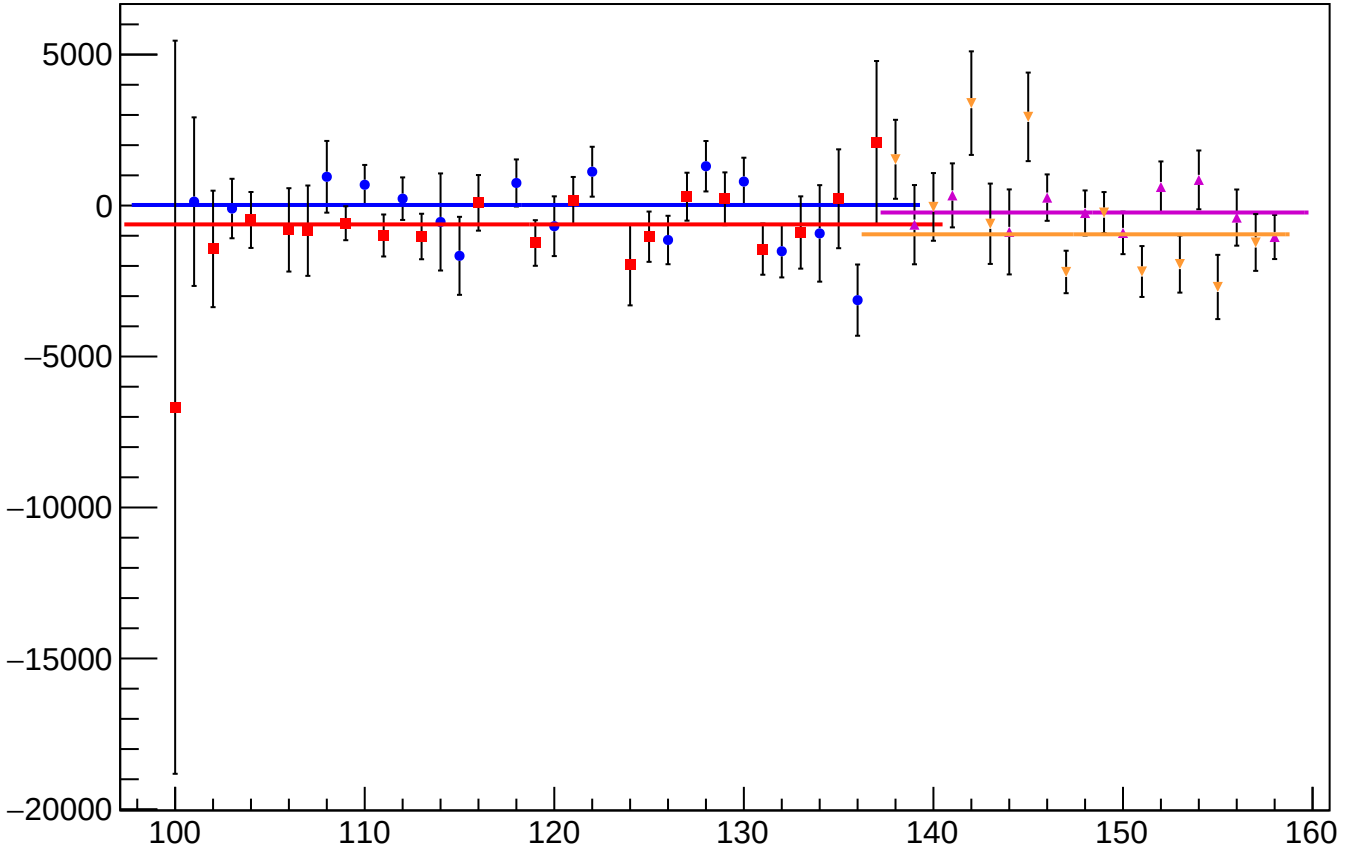
Left In: 2727.633+/-0.653 χ^2/NDF:1820.0/9

+ sign 2756.526+/-0.494 χ^2/NDF: 753968.8/26

All: 2756.780+/-0.347 χ^2/NDF: 907119.8/55

- sign 2757.028+/-0.488 χ^2/NDF: 153150.5/28

asym_atr1_cor_correction_mean vs Slug



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -952.571+/-295.255 χ^2/NDF:28.0/10

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

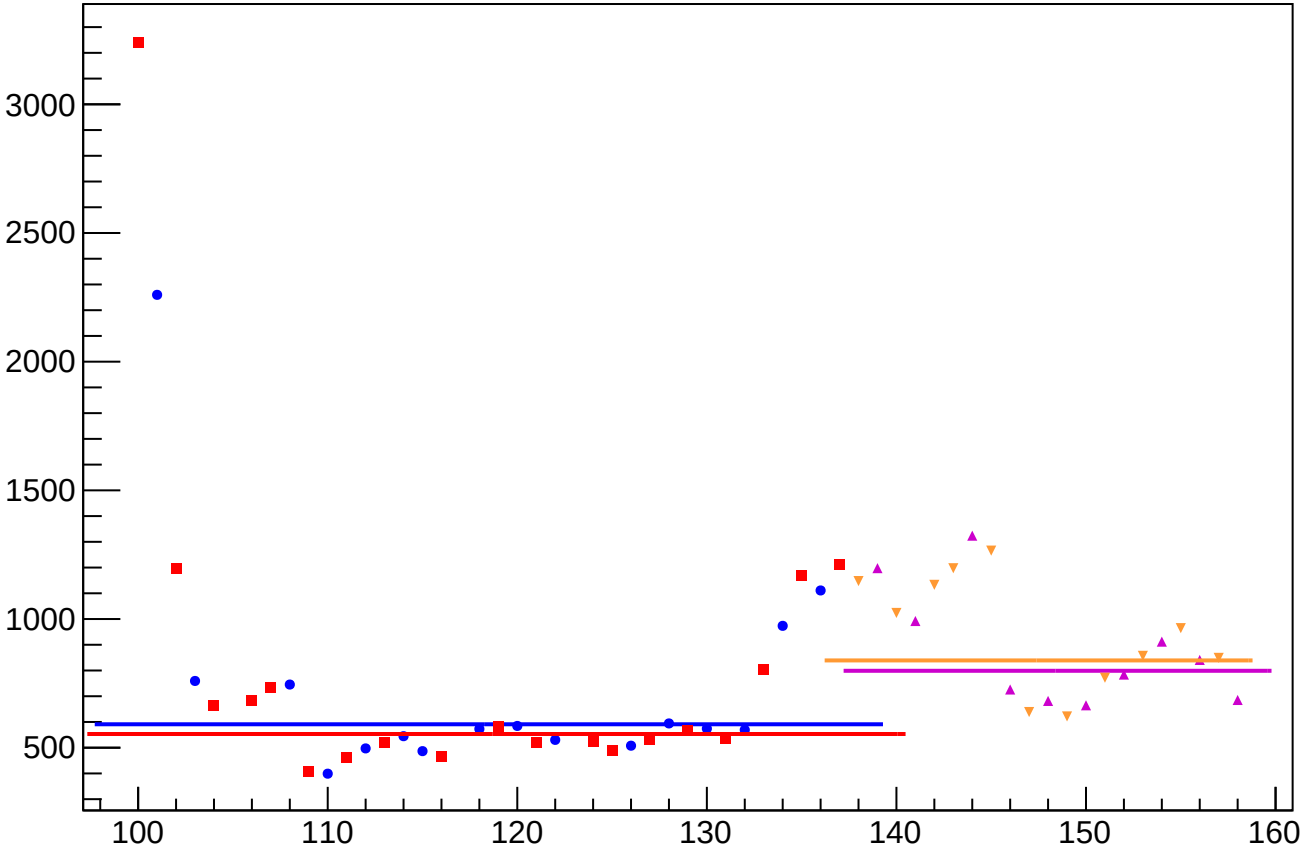
Left In: -230.561+/-277.715 χ^2/NDF:5.4/9

+ sign -354.819+/-183.134 χ^2/NDF: 57.5/26

All: -419.710+/-124.771 χ^2/NDF: 73.5/55

- sign -475.924+/-170.452 χ^2/NDF: 15.8/28

asym_atr1_cor_correction_rms vs Slug



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 839.134+/-0.209 χ^2/NDF:946650.6/10

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

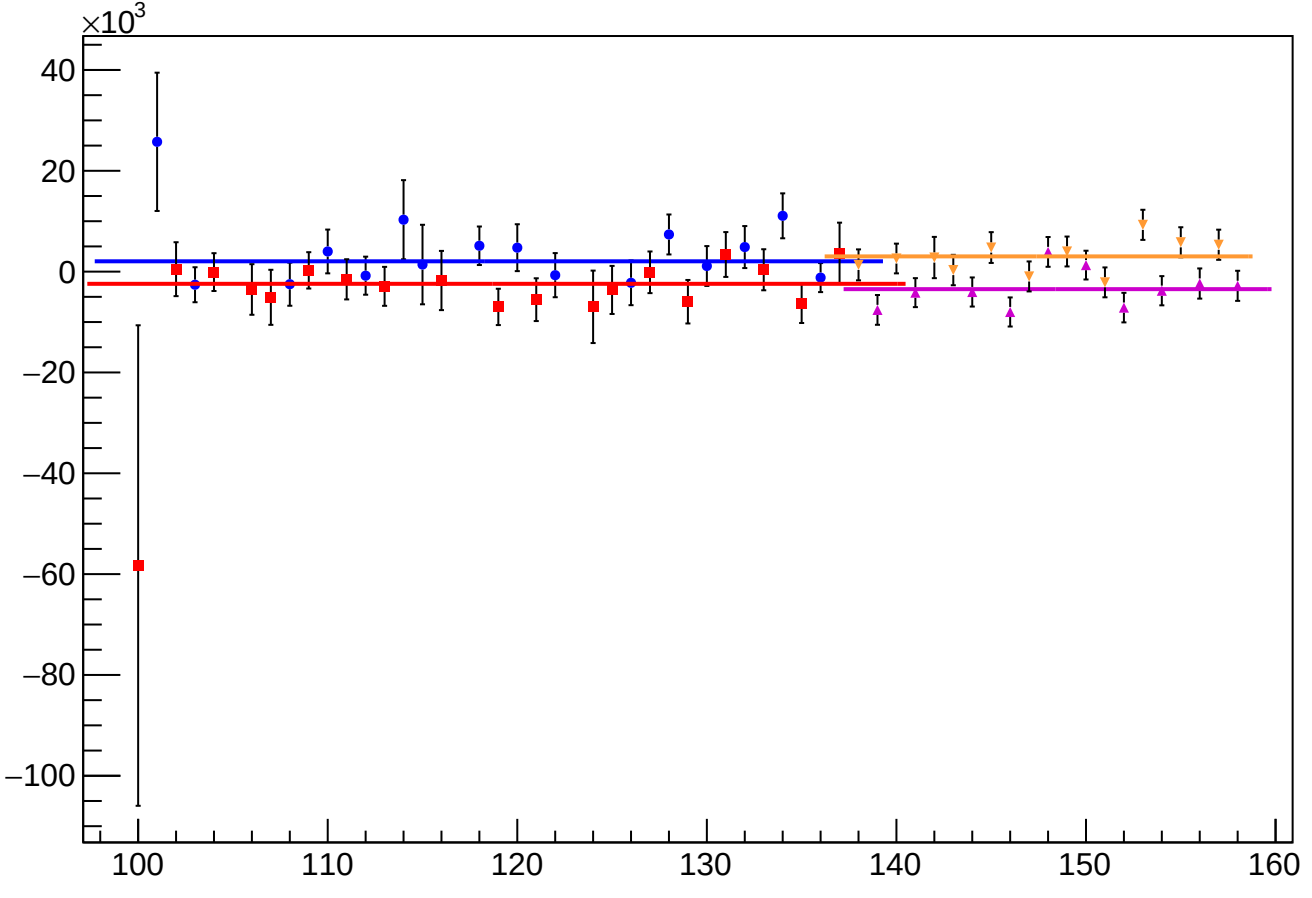
Left In: 798.856+/-0.196 χ^2/NDF:749246.6/9

+ sign 686.487+/-0.129 χ^2/NDF: 3382134.3/26

All: 664.665+/-0.088 χ^2/NDF: 6261153.4/55

- sign 645.761+/-0.121 χ^2/NDF: 2826022.7/28

eigen_cor_asym_atr1_mean vs Slug



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 3021.849+/-922.648 χ^2/NDF:12.2/10

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

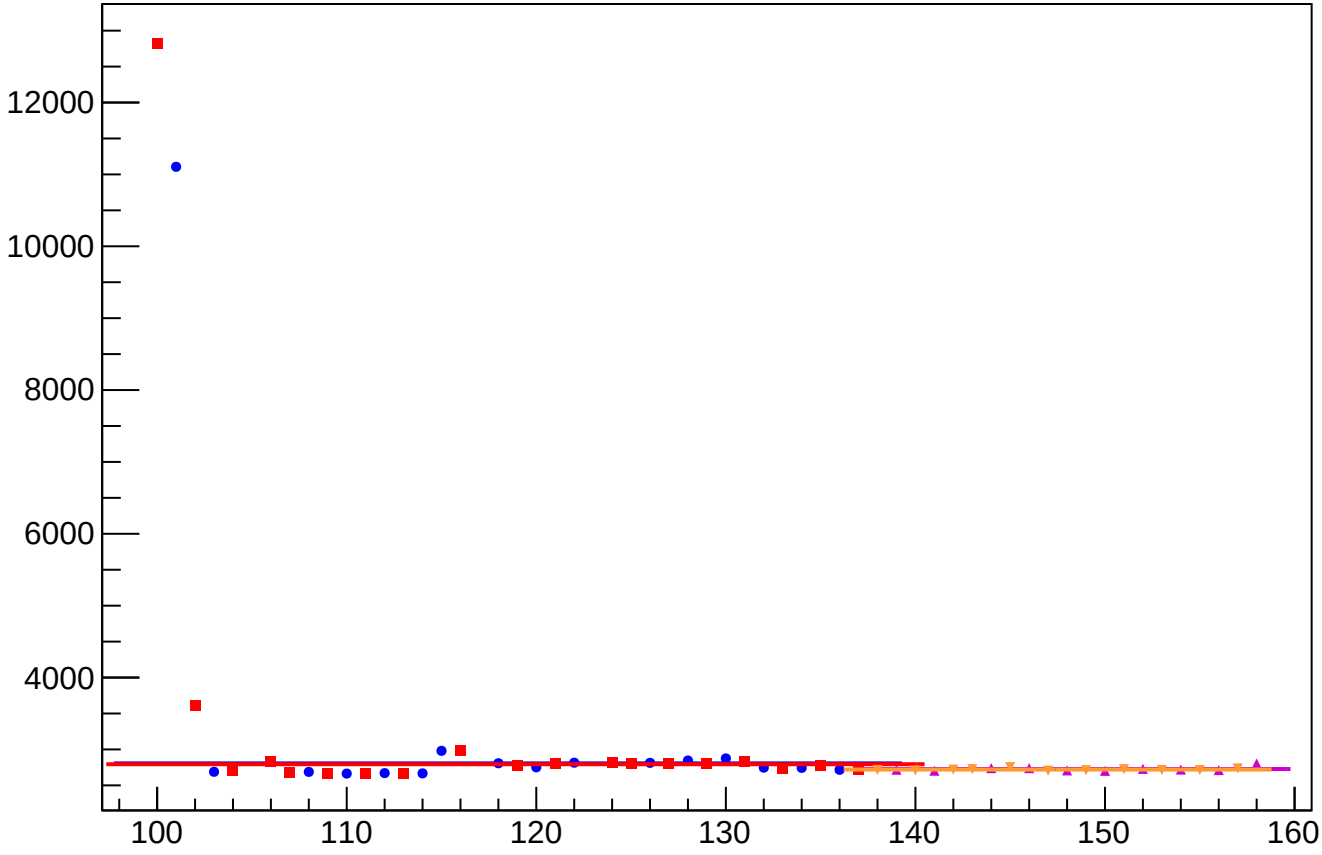
Left In: -3474.617+/-923.466 χ^2/NDF:15.3/9

+ sign 2607.016+/-698.857 χ^2/NDF: 30.5/26

All: -236.542+/-490.969 χ^2/NDF: 89.9/55

- sign -3007.684+/-689.901 χ^2/NDF: 26.7/28

eigen_cor_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2720.180+/-0.652 χ^2/NDF:448.0/10

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

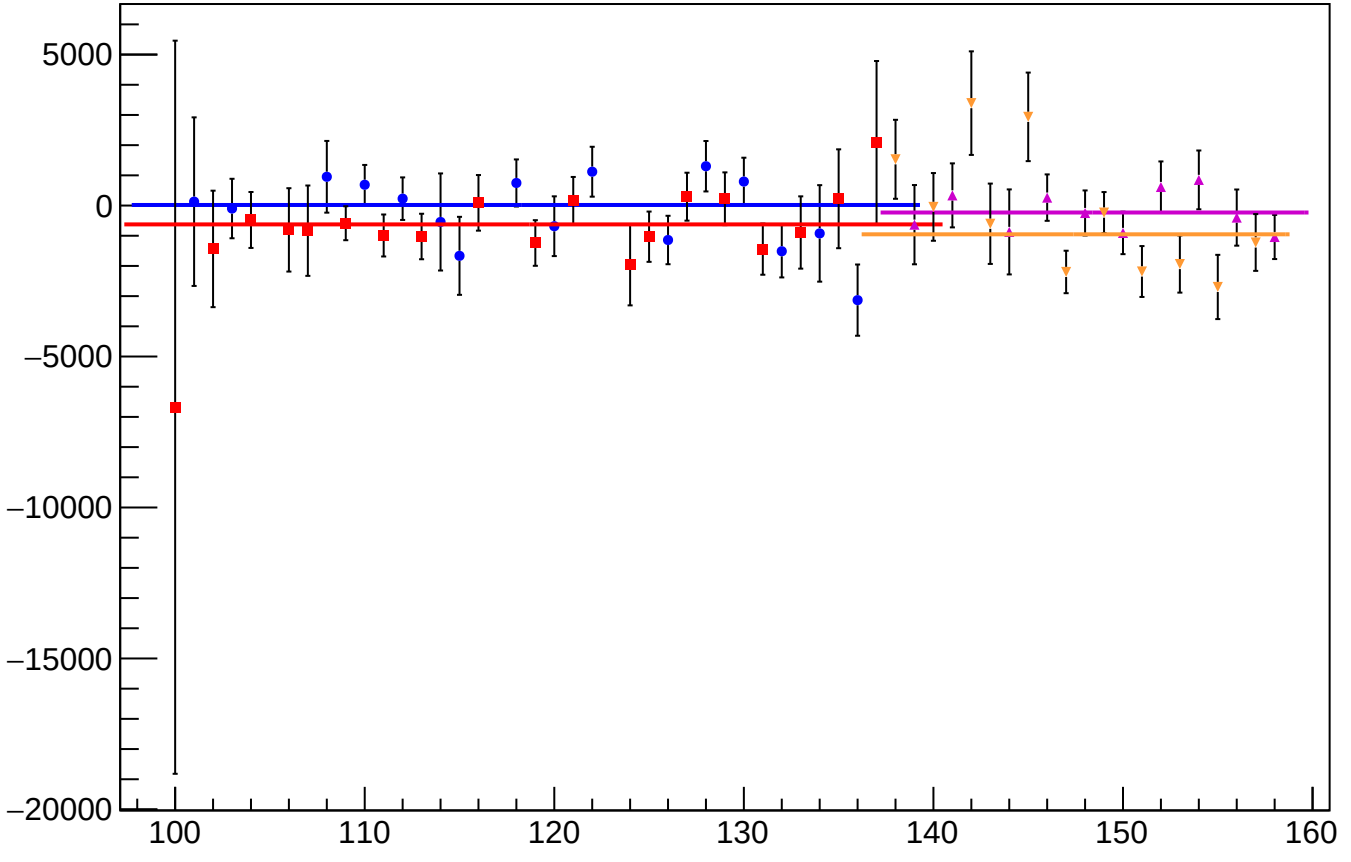
Left In: 2727.633+/-0.653 χ^2/NDF:1820.0/9

+ sign 2756.526+/-0.494 χ^2/NDF: 753968.8/26

All: 2756.780+/-0.347 χ^2/NDF: 907119.8/55

- sign 2757.028+/-0.488 χ^2/NDF: 153150.5/28

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -952.571+/-295.255 χ^2/NDF:28.0/10

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

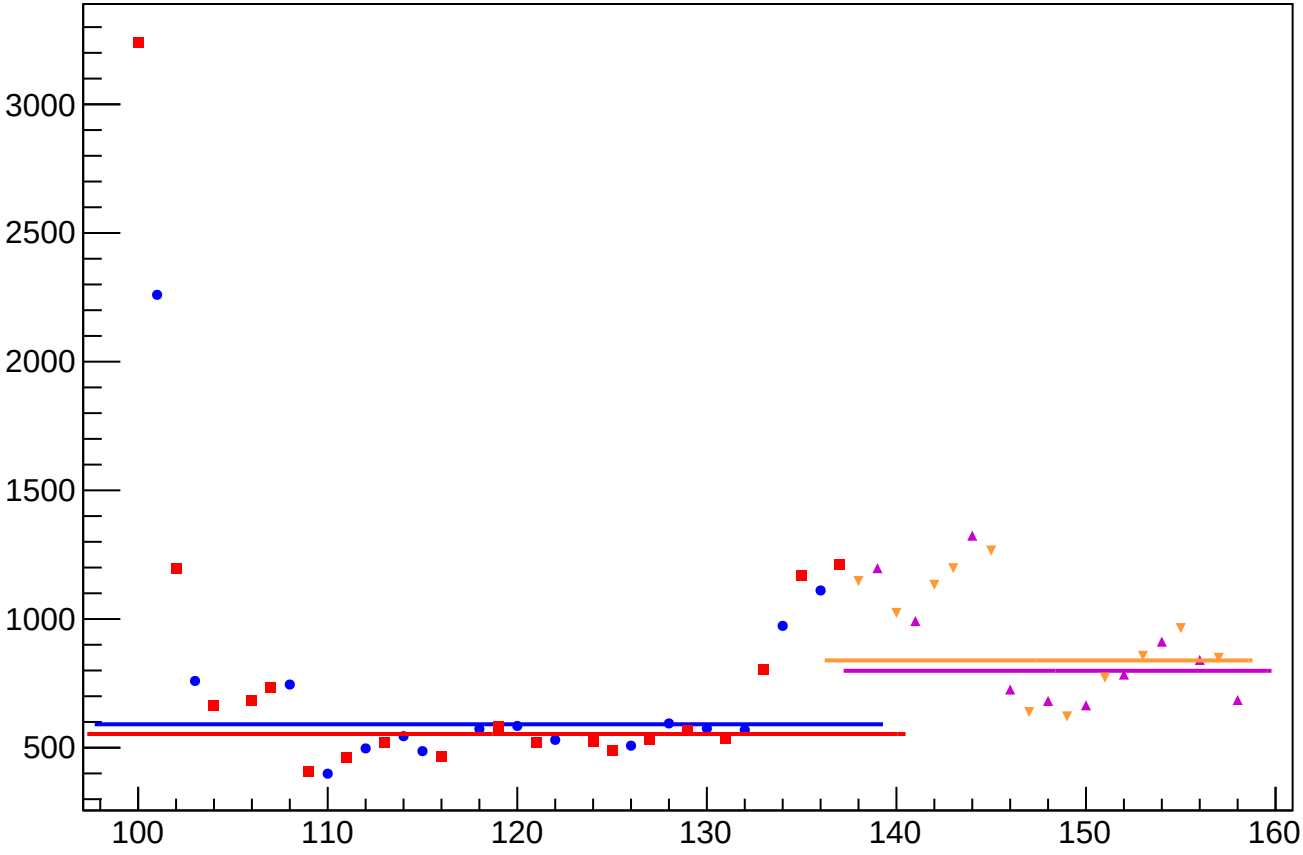
Left In: -230.561+/-277.715 χ^2/NDF:5.4/9

\+ sign -354.819+/-183.134 χ^2/NDF: 57.5/26

All: -419.710+/-124.771 χ^2/NDF: 73.5/55

\- sign -475.924+/-170.452 χ^2/NDF: 15.8/28

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 839.134+/-0.209 χ^2/NDF:946650.6/10

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

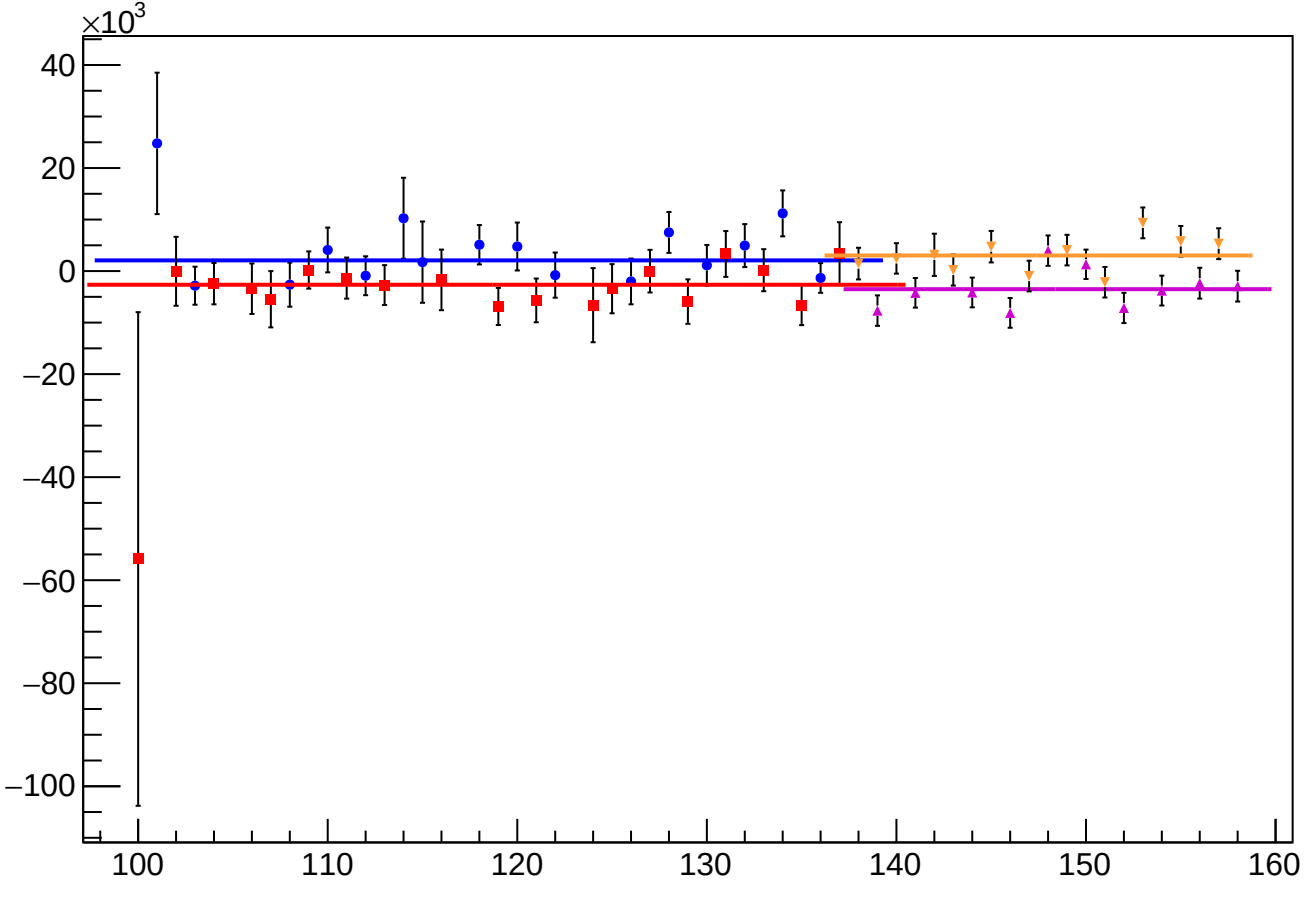
Left In: 798.856+/-0.196 χ^2/NDF:749246.6/9

+ sign 686.487+/-0.129 χ^2/NDF: 3382134.3/26

All: 664.665+/-0.088 χ^2/NDF: 6261153.4/55

- sign 645.761+/-0.121 χ^2/NDF: 2826022.7/28

dit_asym_atr1_mean vs Slug



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 3024.194+/-923.406 χ^2/NDF:12.4/10

Right Out: -2657.301+/-1049.868 χ^2/NDF: 9.9/18

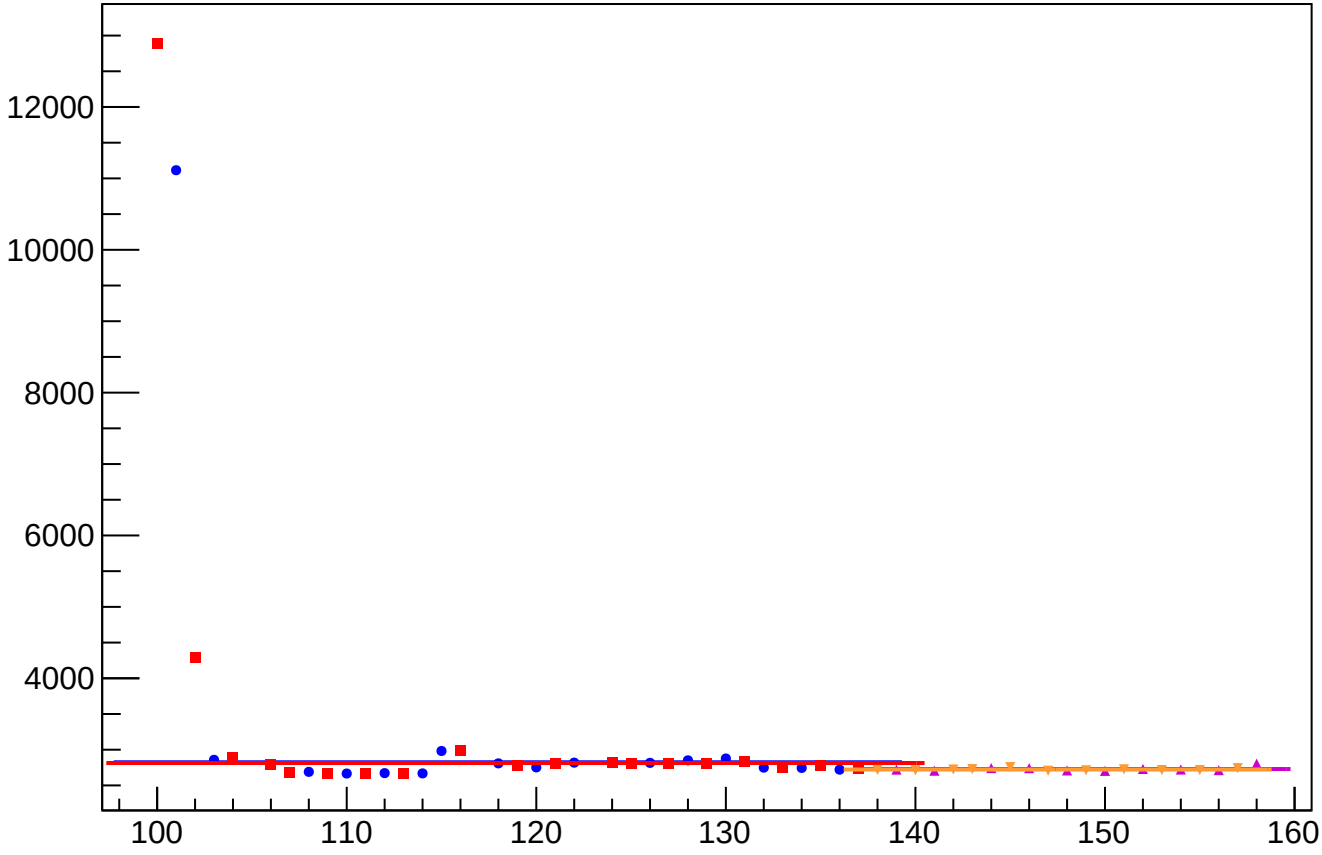
Left In: -3515.300+/-924.069 χ^2/NDF:15.6/9

+ sign 2622.030+/-701.067 χ^2/NDF: 30.7/26

All: -290.010+/-493.086 χ^2/NDF: 90.8/55

- sign -3140.760+/-693.651 χ^2/NDF: 25.9/28

dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2722.404+/-0.653 χ^2/NDF:496.4/10

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

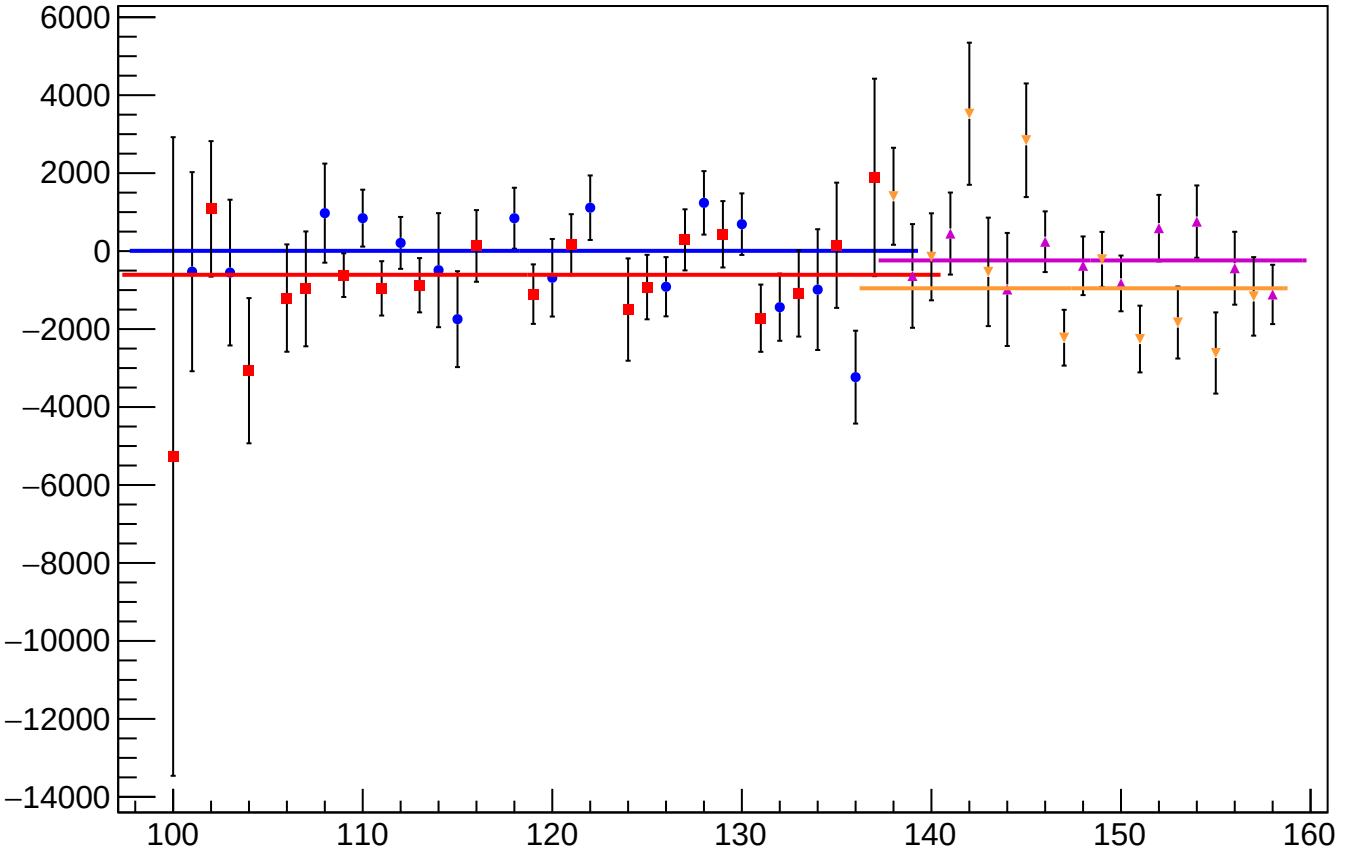
Left In: 2729.402+/-0.653 χ^2/NDF:1831.3/9

+ sign 2765.205+/-0.496 χ^2/NDF: 754556.3/26

All: 2765.735+/-0.349 χ^2/NDF: 964188.3/55

- sign 2766.253+/-0.490 χ^2/NDF: 209629.8/28

asym_atr1_dit_correction_mean vs Slug



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

Left Out: -953.489+/-299.566 χ^2/NDF:27.1/10

Right Out: -607.647+/-217.093 χ^2/NDF: 12.2/18

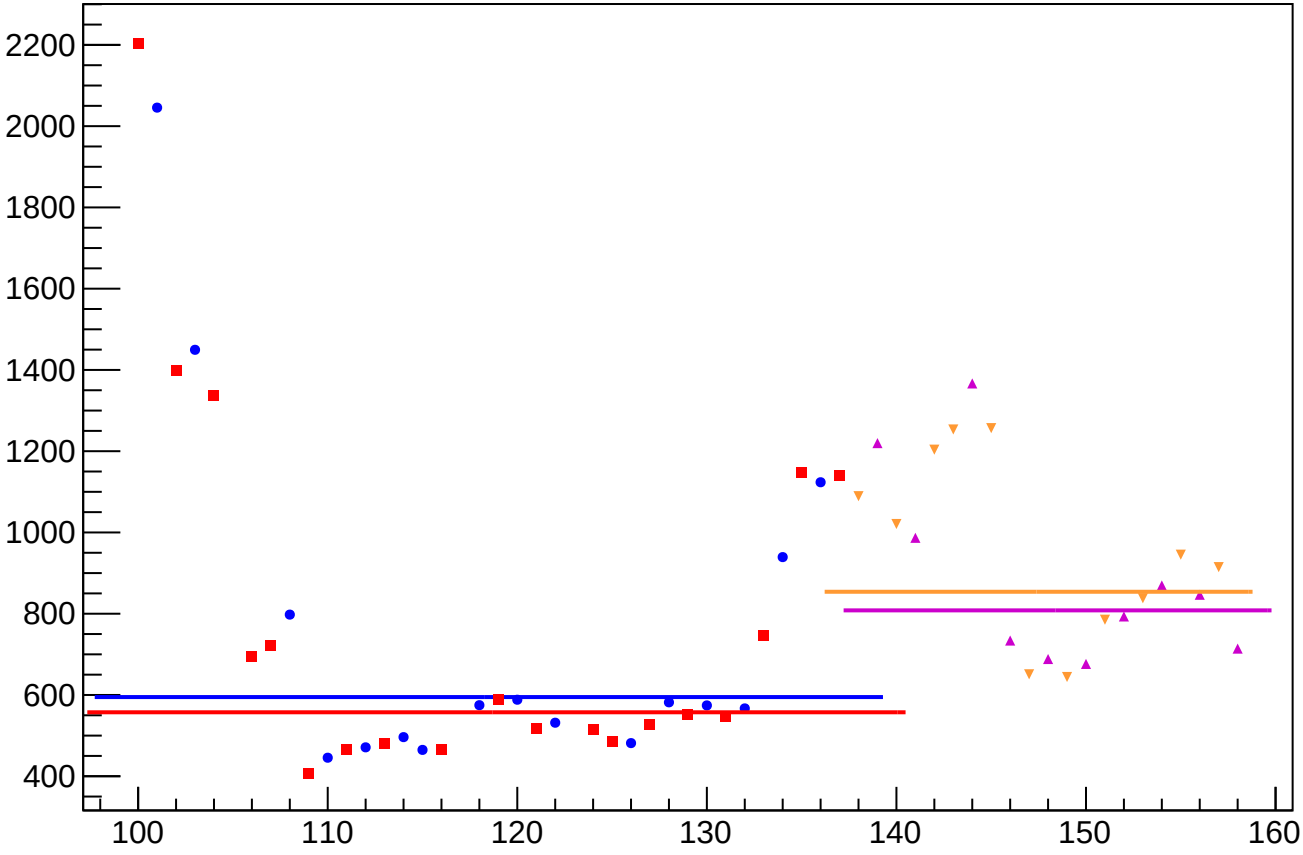
Left In: -239.240+/-280.348 χ^2/NDF:5.3/9

\+ sign -363.592+/-186.085 χ^2/NDF: 56.2/26

All: -420.838+/-126.168 χ^2/NDF: 74.9/55

\- sign -469.544+/-171.646 χ^2/NDF: 18.6/28

asym_atr1_dit_correction_rms vs Slug



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 854.035+/-0.212 χ^2/NDF:881390.7/10

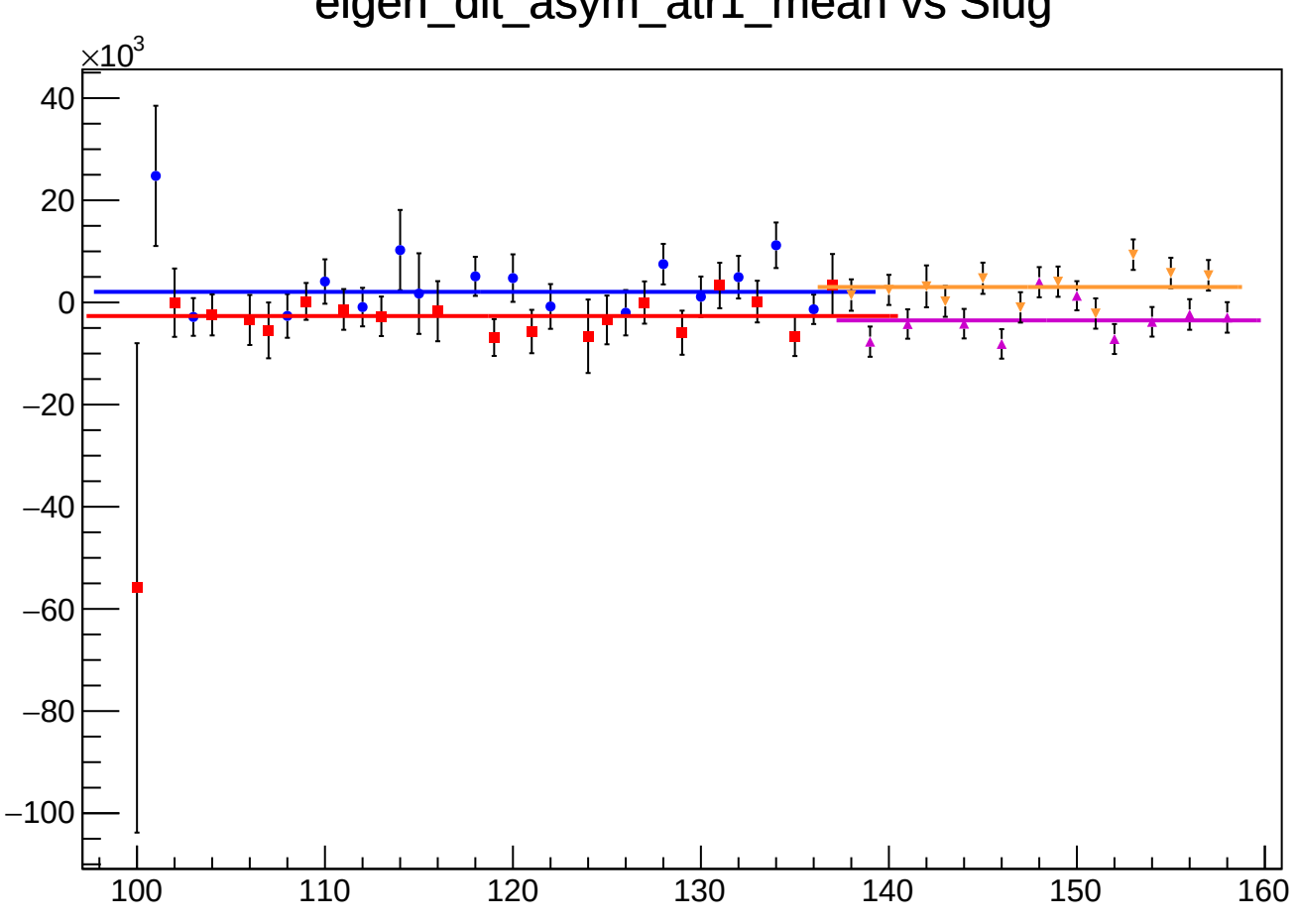
Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

Left In: 808.232+/-0.198 χ^2/NDF:726082.2/9

+ sign 694.866+/-0.132 χ^2/NDF: 3653439.0/26

All: 671.395+/-0.089 χ^2/NDF: 7070608.5/55

- sign 651.426+/-0.121 χ^2/NDF: 3358282.6/28



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 3024.194+/-923.406 χ^2/NDF:12.4/10

Right Out: -2657.300+/-1049.868 χ^2/NDF: 9.9/18

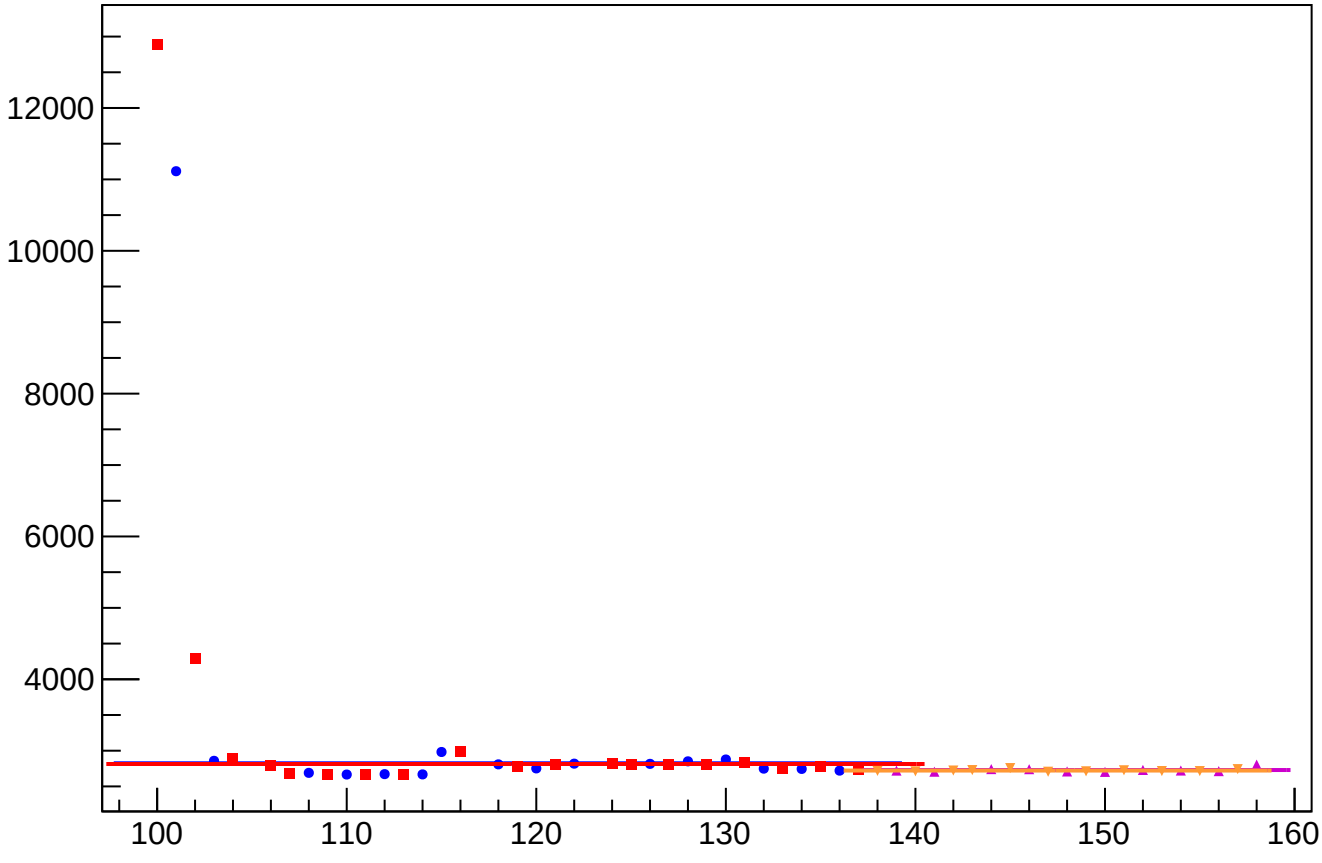
Left In: -3515.300+/-924.069 χ^2/NDF:15.6/9

+ sign 2622.030+/-701.067 χ^2/NDF: 30.7/26

All: -290.009+/-493.086 χ^2/NDF: 90.8/55

- sign -3140.759+/-693.651 χ^2/NDF: 25.9/28

eigen_dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2722.404+/-0.653 χ^2/NDF:496.4/10

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

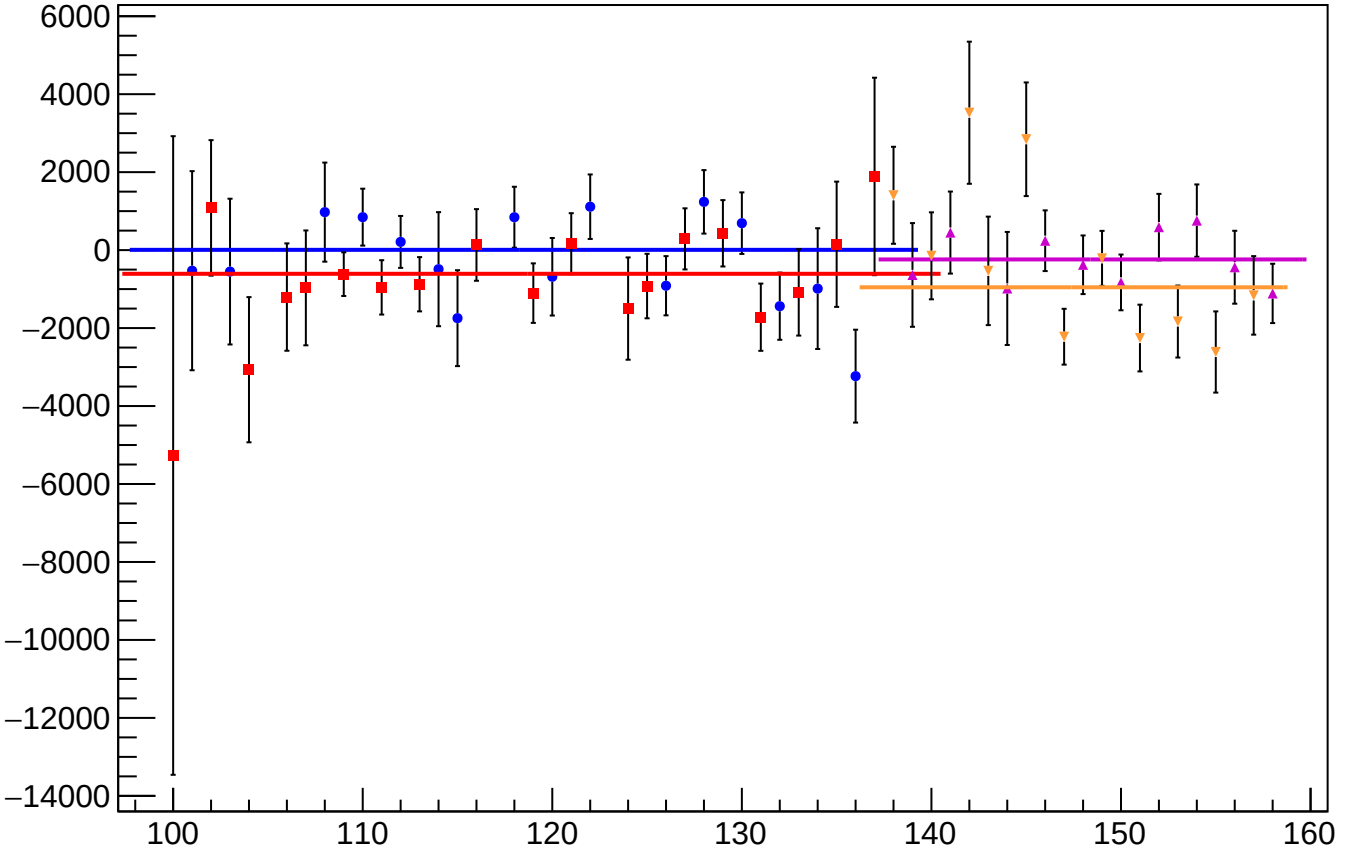
Left In: 2729.402+/-0.653 χ^2/NDF:1831.3/9

+ sign 2765.205+/-0.496 χ^2/NDF: 754556.3/26

All: 2765.735+/-0.349 χ^2/NDF: 964188.1/55

- sign 2766.253+/-0.490 χ^2/NDF: 209629.5/28

asym_atr1_eigen_dit_correction_mean vs Slug



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: -953.490+/-299.567 χ^2/NDF:27.1/10

Right Out: -607.647+/-217.094 χ^2/NDF: 12.2/18

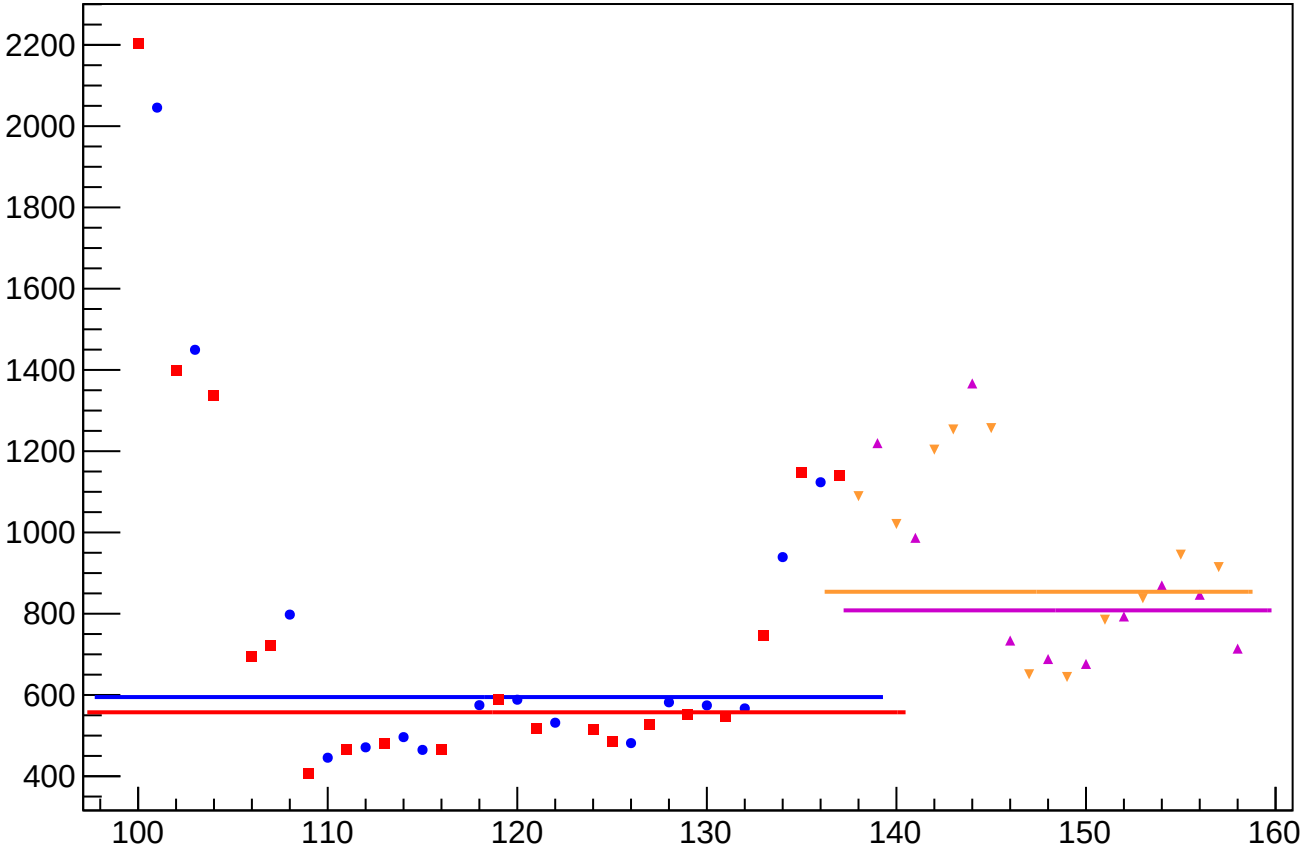
Left In: -239.241+/-280.348 χ^2/NDF:5.3/9

\+ sign -363.593+/-186.086 χ^2/NDF: 56.2/26

All: -420.838+/-126.168 χ^2/NDF: 74.9/55

\- sign -469.545+/-171.646 χ^2/NDF: 18.6/28

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 854.036+/-0.212 χ^2/NDF:881391.0/10

Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

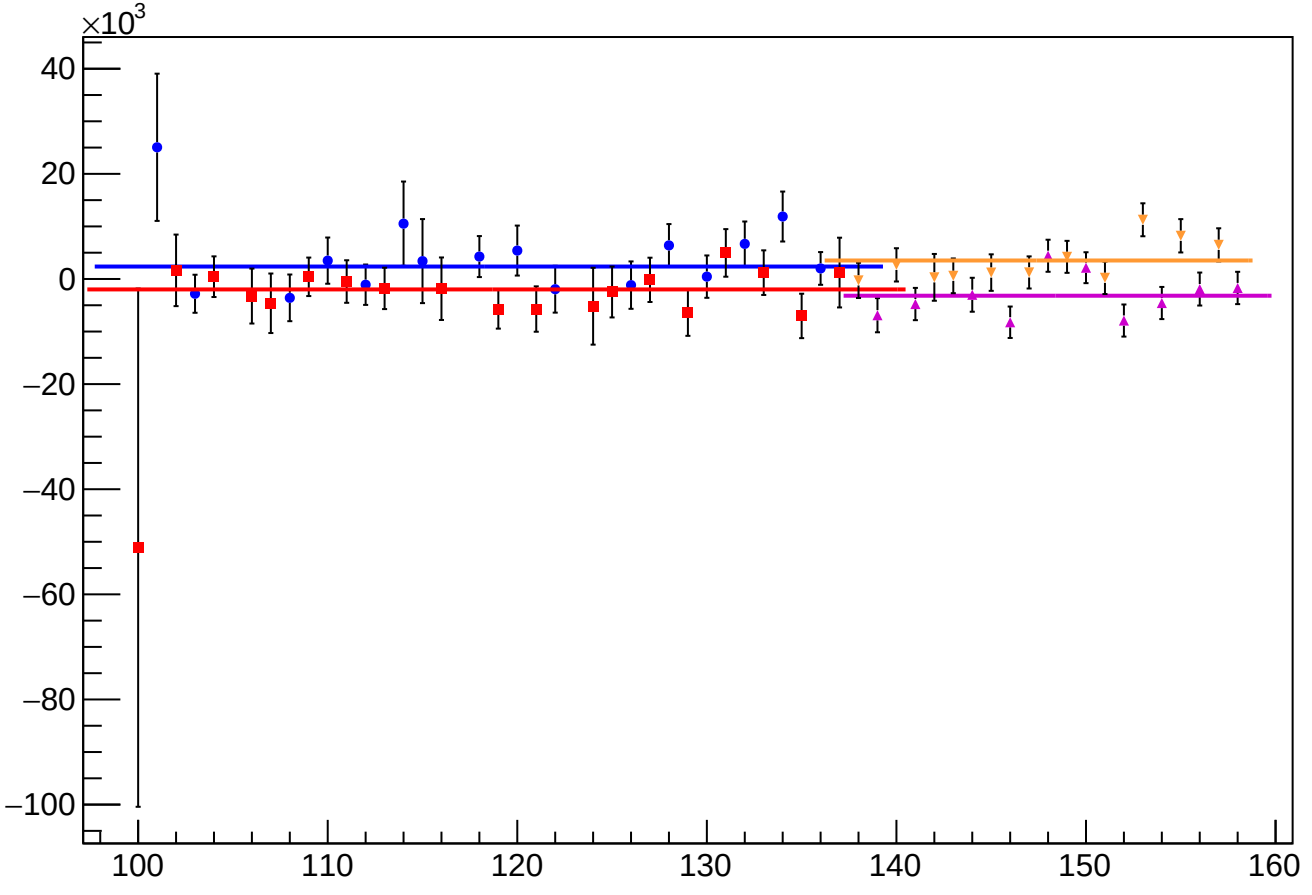
Left In: 808.232+/-0.198 χ^2/NDF:726083.6/9

+ sign 694.866+/-0.132 χ^2/NDF: 3653431.8/26

All: 671.396+/-0.089 χ^2/NDF: 7070598.9/55

- sign 651.426+/-0.121 χ^2/NDF: 3358279.5/28

asym_atr1_mean vs Slug



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 3518.058+/-982.463 χ^2/NDF:14.0/10

Right Out: -1987.039+/-1075.310 χ^2/NDF: 10.3/18

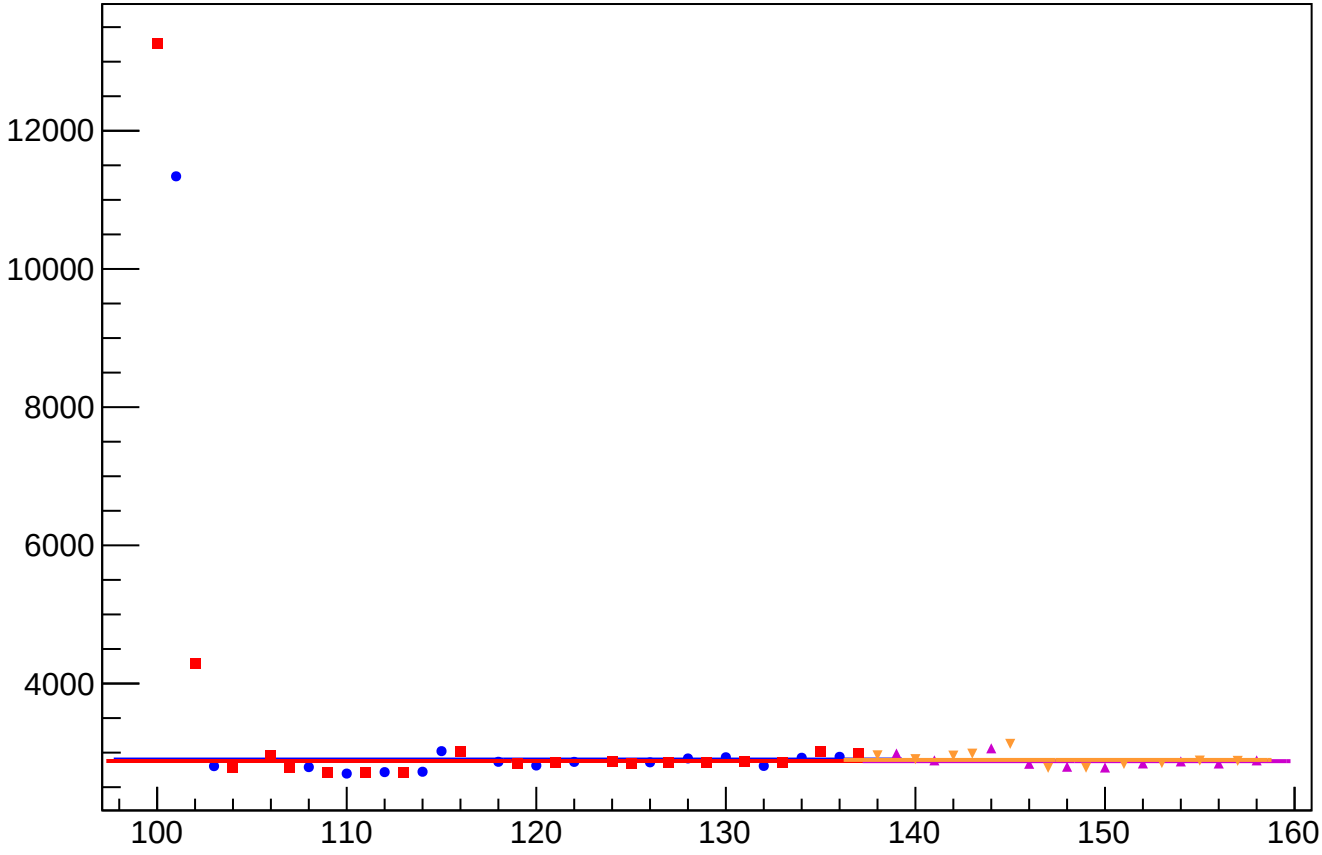
Left In: -3185.487+/-974.324 χ^2/NDF:16.9/9

+ sign 3010.559+/-734.575 χ^2/NDF: 31.5/26

All: 133.950+/-514.927 χ^2/NDF: 89.5/55

- sign -2645.168+/-722.020 χ^2/NDF: 27.9/28

asym_atr1_rms vs Slug



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2894.433+/-0.695 χ^2/NDF:18391.2/10

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

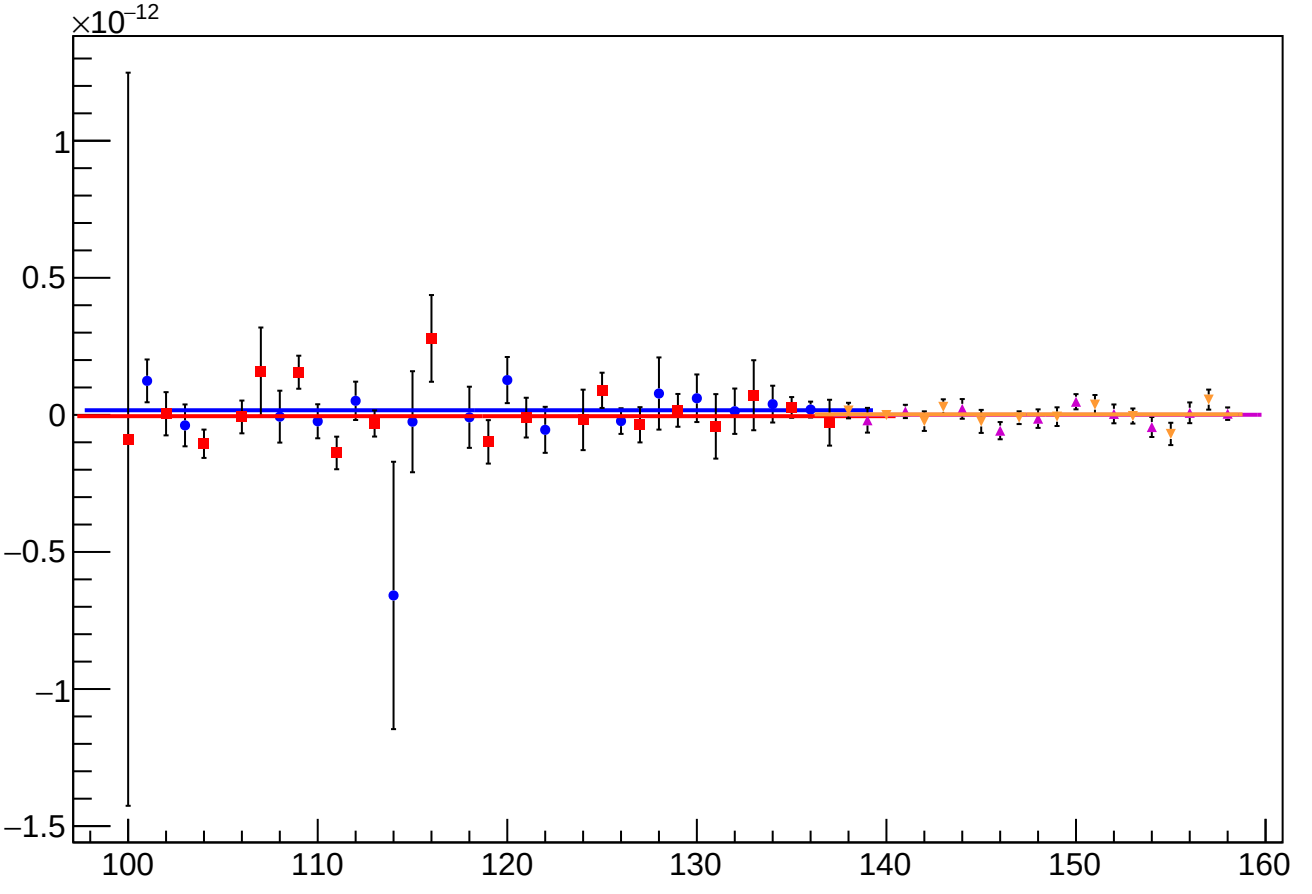
Left In: 2876.602+/-0.689 χ^2/NDF:13142.2/9

+ sign 2896.812+/-0.519 χ^2/NDF: 760235.9/26

All: 2887.073+/-0.364 χ^2/NDF: 967357.0/55

- sign 2877.664+/-0.511 χ^2/NDF: 206430.0/28

asym_atr1_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.7/10

Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

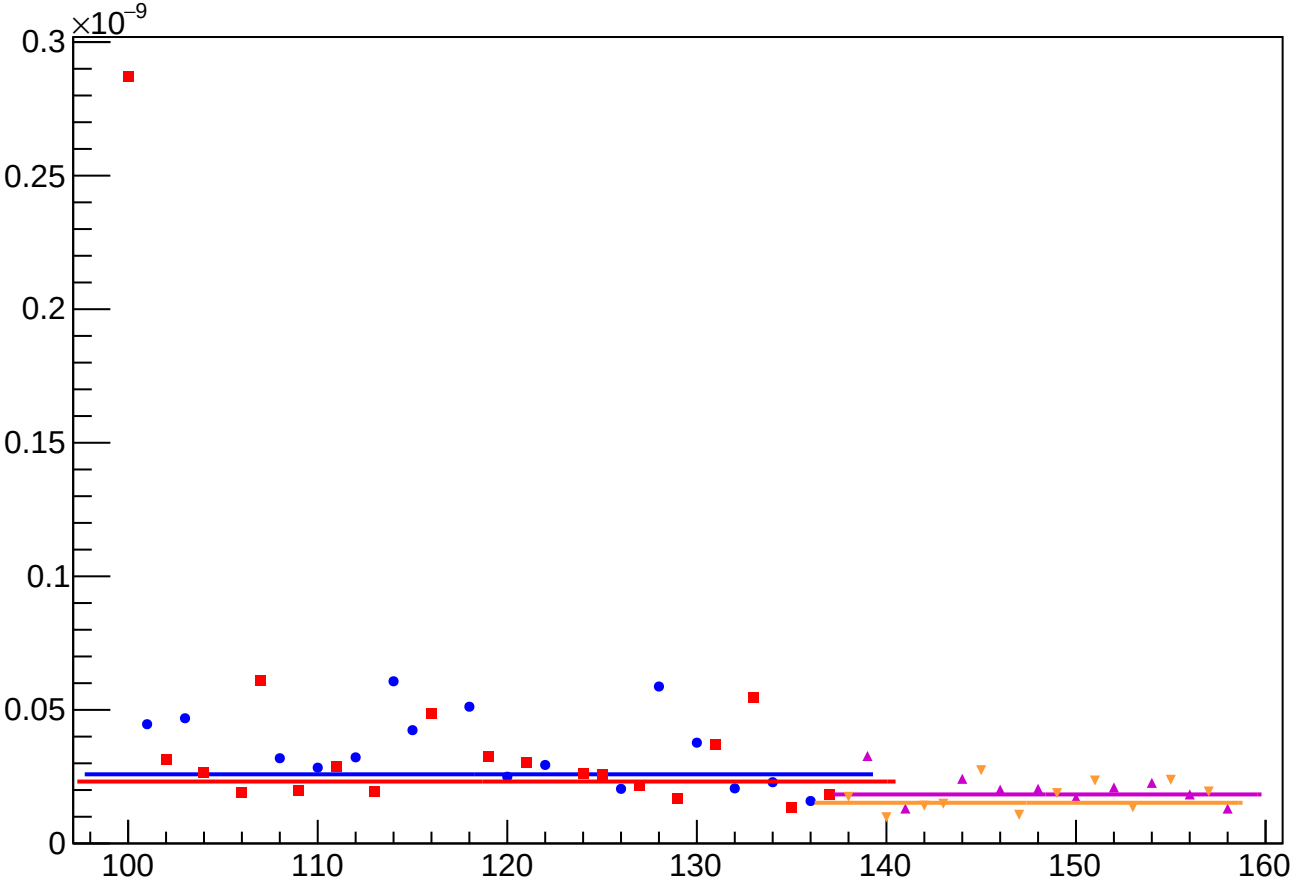
Left In: 0.000+/-0.000 χ^2/NDF:8.9/9

+ sign 0.000+/-0.000 χ^2/NDF: 18.2/26

All: 0.000+/-0.000 χ^2/NDF: 53.2/55

- sign -0.000+/-0.000 χ^2/NDF: 34.7/28

asym_atr1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 865479.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:688793.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

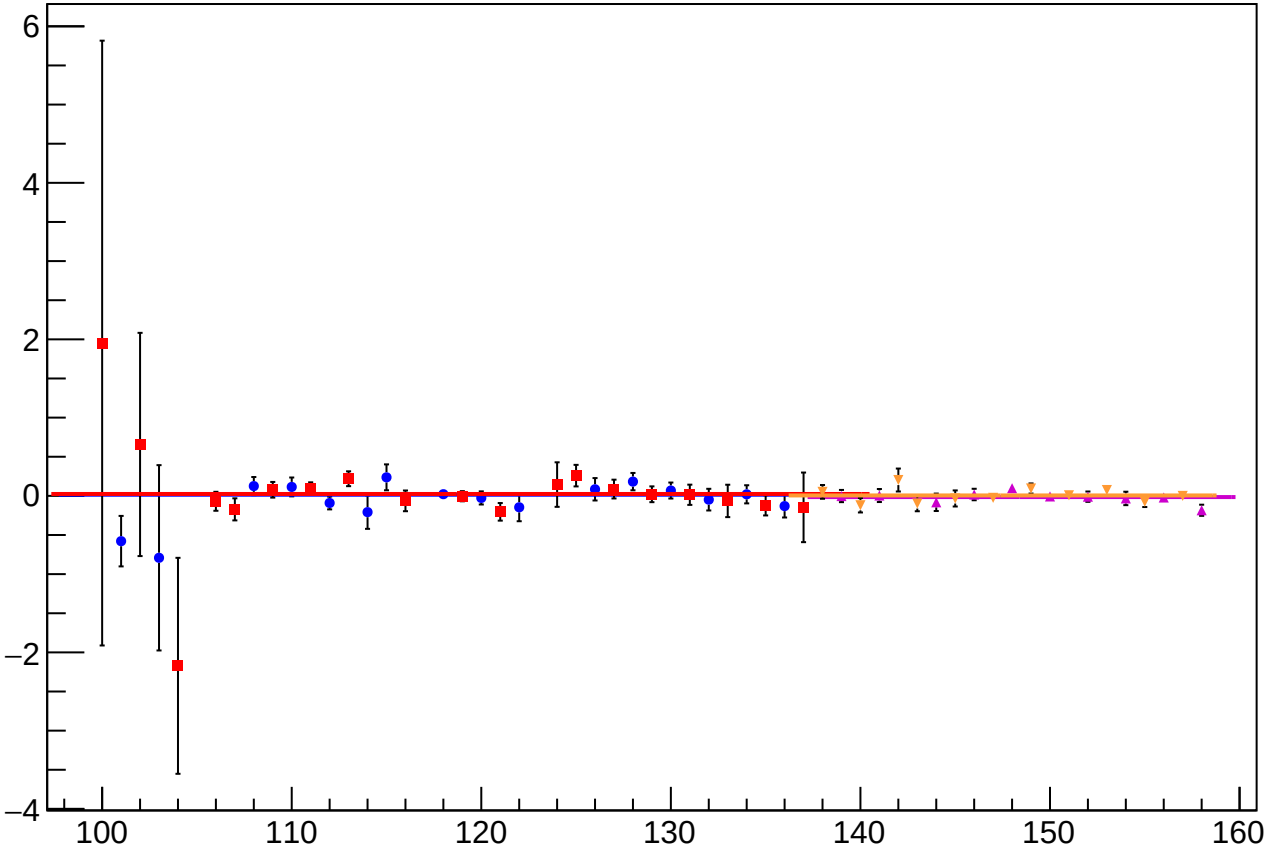
Left In: 0.000+/-0.000 χ^2/NDF:517355.2/9

+ sign 0.000+/-0.000 χ^2/NDF: 2183083.7/26

All: 0.000+/-0.000 χ^2/NDF: 3601374.3/55

- sign 0.000+/-0.000 χ^2/NDF: 1342077.4/28

asym_atr1_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.006+/-0.022 χ^2/NDF:10.2/10

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

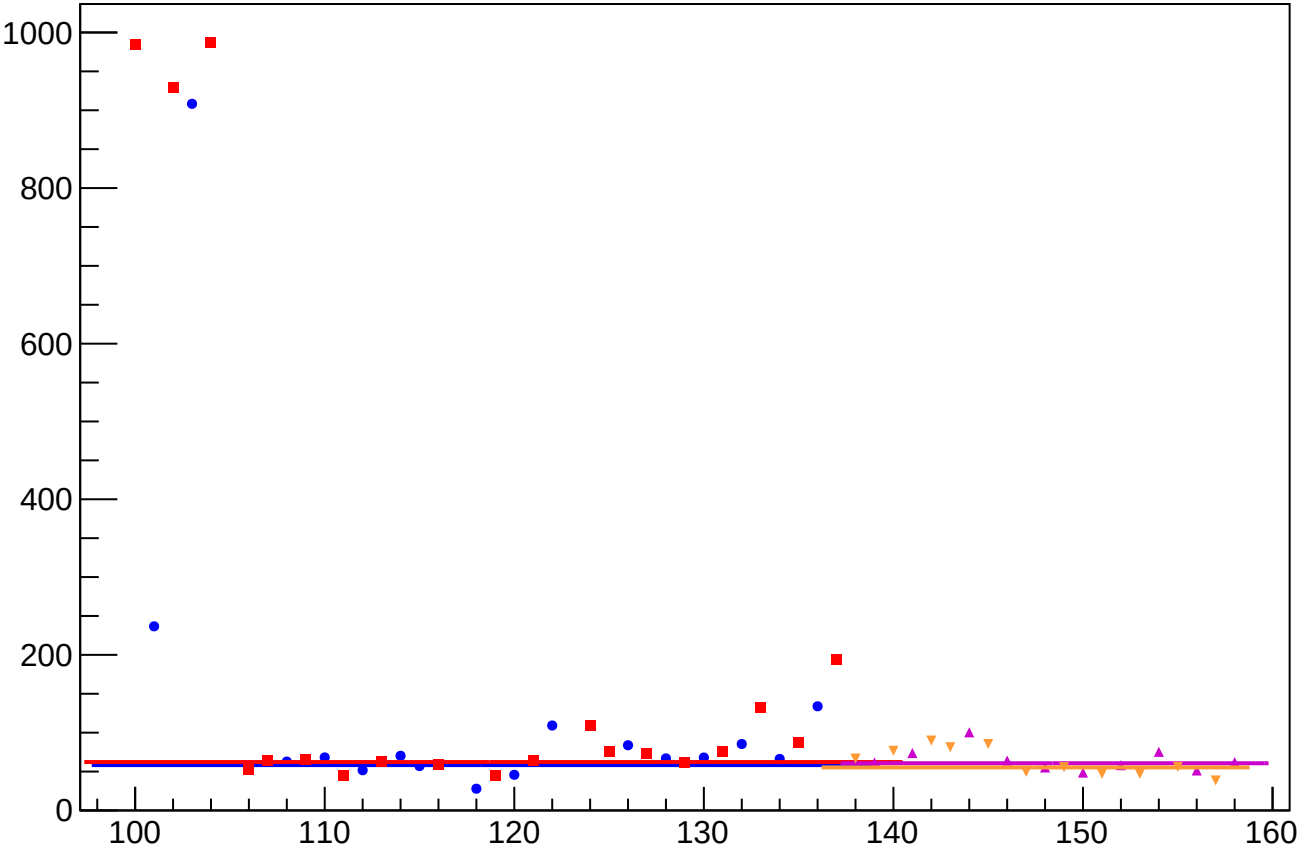
Left In: -0.015+/-0.023 χ^2/NDF:9.5/9

+ sign 0.009+/-0.017 χ^2/NDF: 25.3/26

All: 0.005+/-0.012 χ^2/NDF: 57.0/55

- sign 0.000+/-0.018 χ^2/NDF: 31.5/28

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 55.305+/-0.015 χ^2/NDF:823862.3/10

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

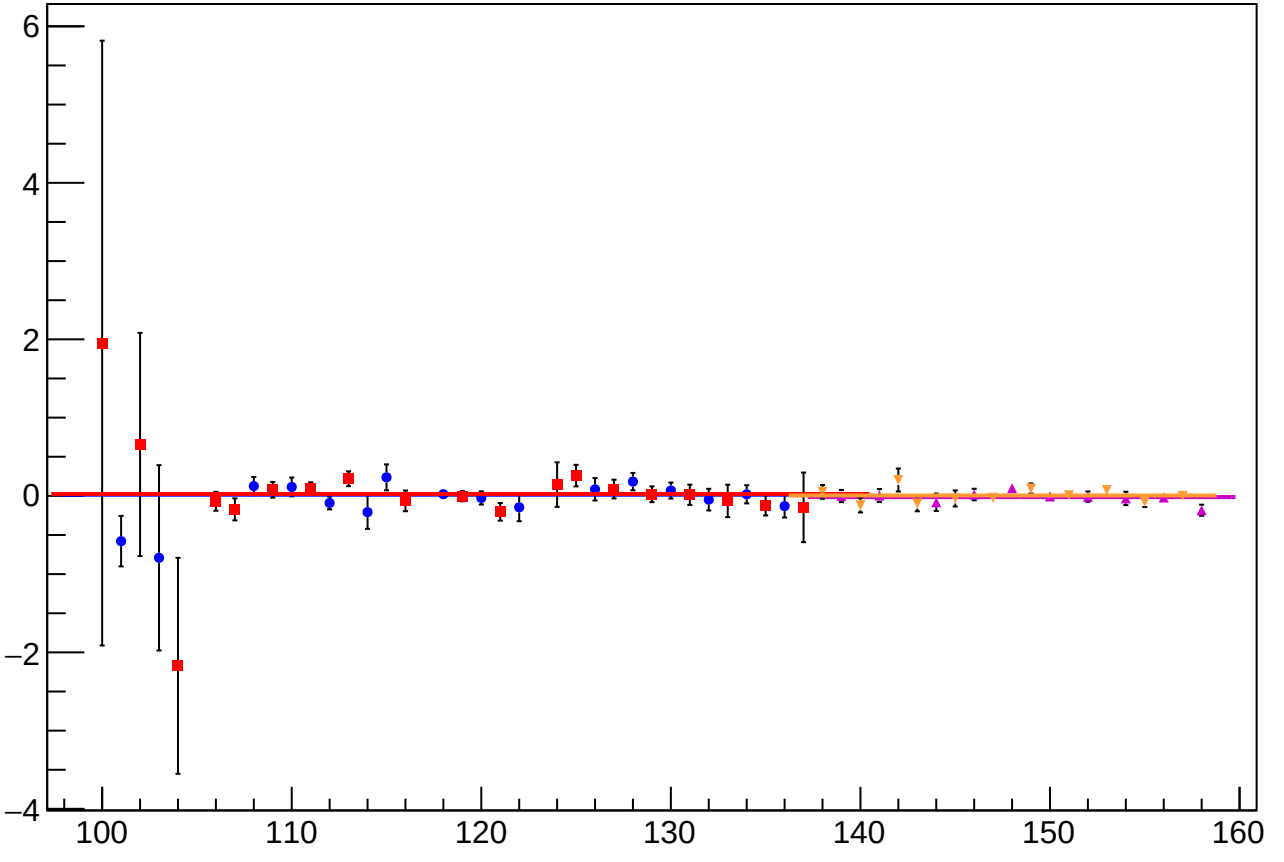
Left In: 60.679+/-0.016 χ^2/NDF:522413.2/9

+ sign 56.443+/-0.012 χ^2/NDF: 4098782.2/26

All: 58.806+/-0.009 χ^2/NDF: 7330102.6/55

- sign 61.290+/-0.012 χ^2/NDF: 3153188.8/28

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.006+/-0.022 χ^2/NDF:10.2/10

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

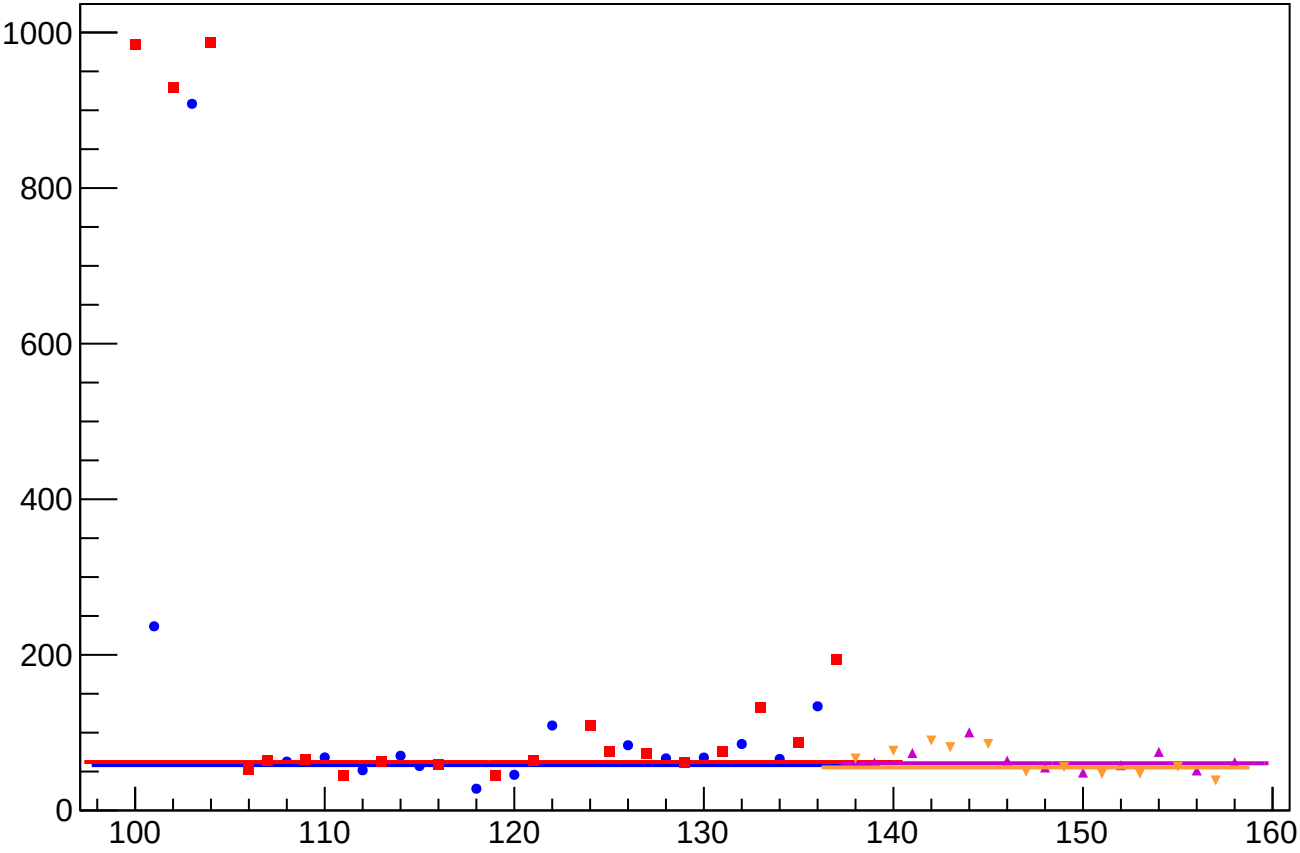
Left In: -0.015+/-0.023 χ^2/NDF:9.5/9

+ sign 0.009+/-0.017 χ^2/NDF: 25.3/26

All: 0.005+/-0.012 χ^2/NDF: 57.0/55

- sign 0.000+/-0.018 χ^2/NDF: 31.5/28

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 55.305+/-0.015 χ^2/NDF:823862.3/10

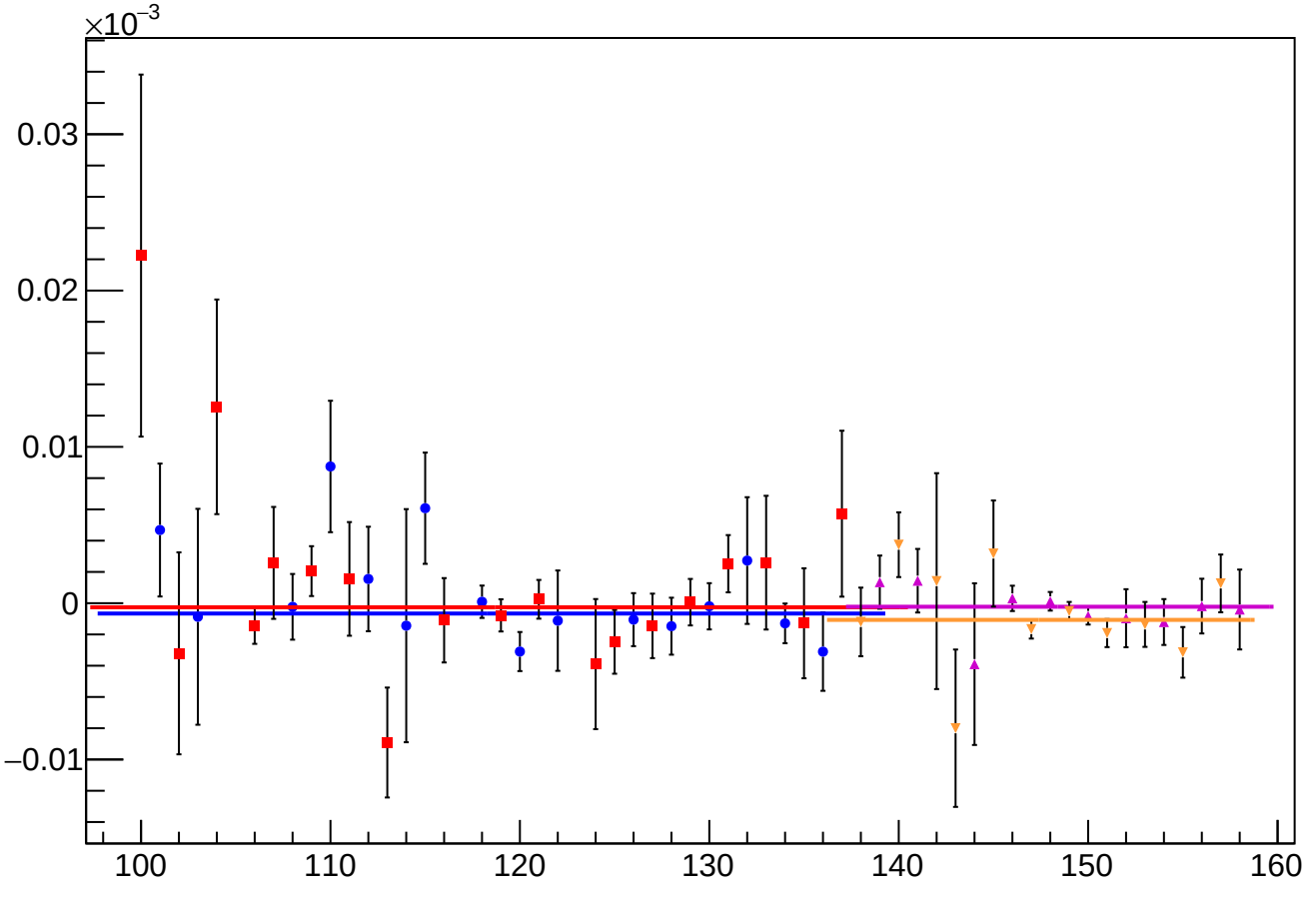
Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 60.679+/-0.016 χ^2/NDF:522413.2/9

+ sign 56.443+/-0.012 χ^2/NDF: 4098782.2/26

All: 58.806+/-0.009 χ^2/NDF: 7330102.6/55

- sign 61.290+/-0.012 χ^2/NDF: 3153188.8/28



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.0/10

Right Out: -0.000+/-0.000 χ^2/NDF: 24.6/18

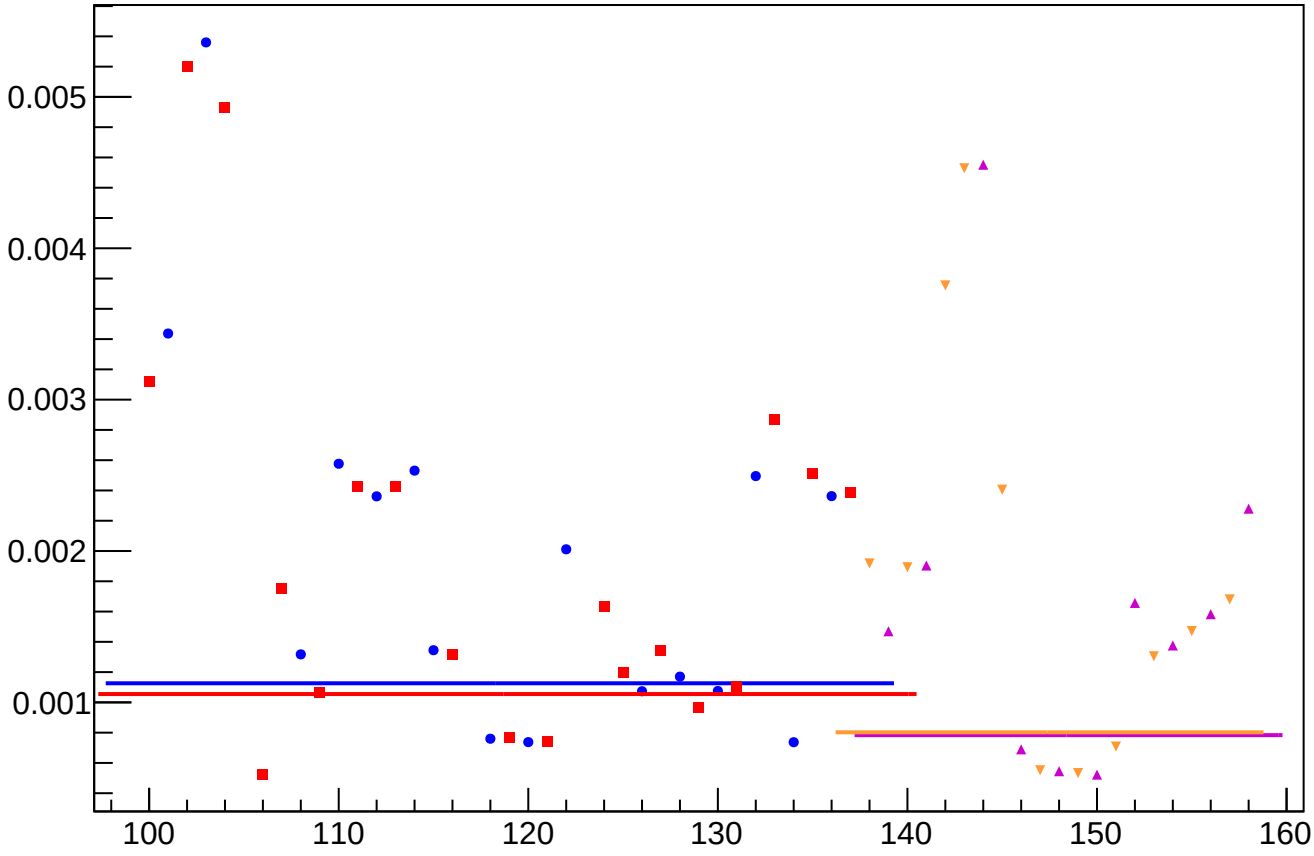
Left In: -0.000+/-0.000 χ^2/NDF:4.5/9

+ sign -0.000+/-0.000 χ^2/NDF: 32.7/26

All: -0.000+/-0.000 χ^2/NDF: 65.1/55

- sign -0.000+/-0.000 χ^2/NDF: 29.1/28

asym_atr1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 3453081.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:4804779.3/10

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

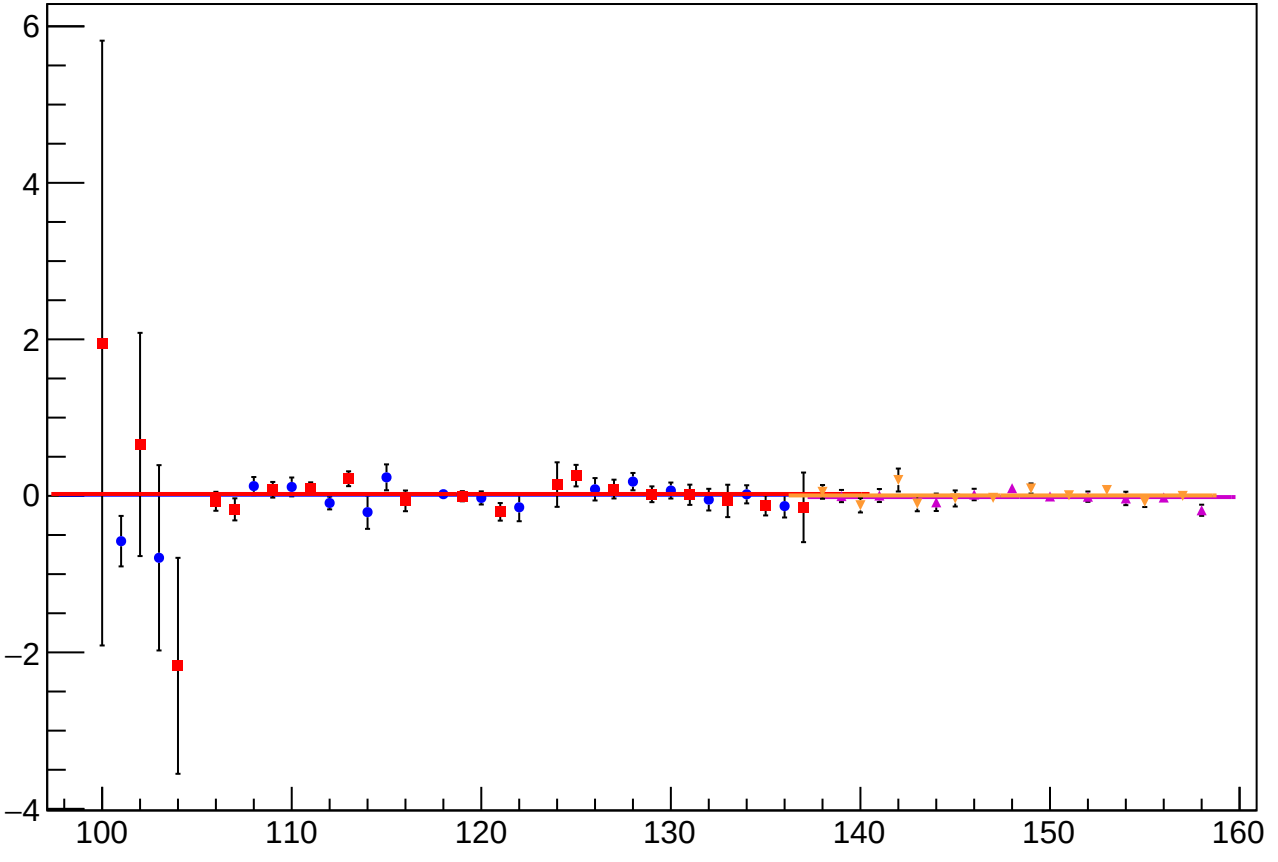
Left In: 0.001+/-0.000 χ^2/NDF:4657993.3/9

+ sign 0.001+/-0.000 χ^2/NDF: 8847626.0/26

All: 0.001+/-0.000 χ^2/NDF: 17828845.4/55

- sign 0.001+/-0.000 χ^2/NDF: 8964812.3/28

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.006+/-0.022 χ^2/NDF:10.2/10

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

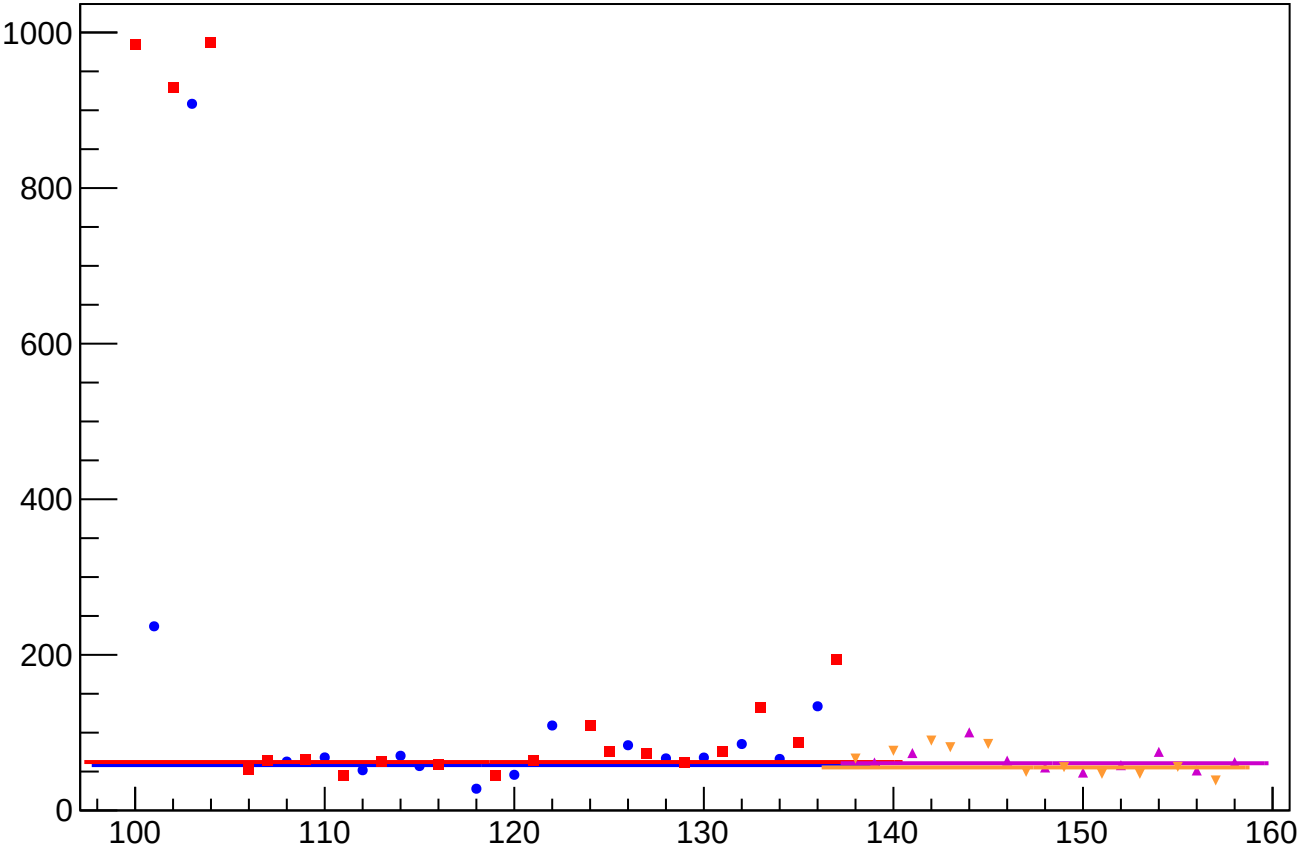
Left In: -0.015+/-0.023 χ^2/NDF:9.5/9

+ sign 0.009+/-0.017 χ^2/NDF: 25.3/26

All: 0.005+/-0.012 χ^2/NDF: 57.0/55

- sign 0.000+/-0.018 χ^2/NDF: 31.5/28

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 55.305+/-0.015 χ^2/NDF:823918.6/10

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

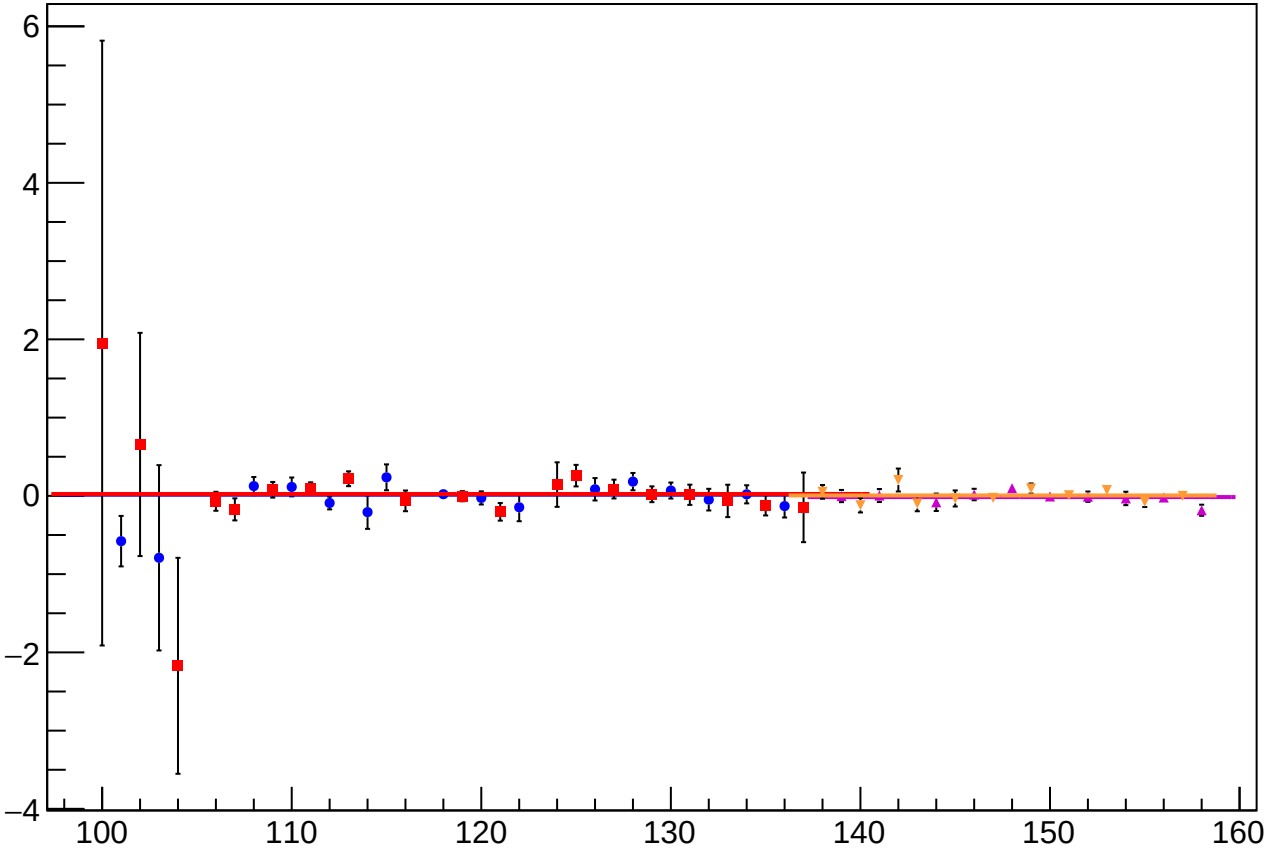
Left In: 60.679+/-0.016 χ^2/NDF:522432.7/9

+ sign 56.442+/-0.012 χ^2/NDF: 4098918.4/26

All: 58.805+/-0.009 χ^2/NDF: 7330275.4/55

- sign 61.290+/-0.012 χ^2/NDF: 3153199.5/28

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.006+/-0.022 χ^2/NDF:10.2/10

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

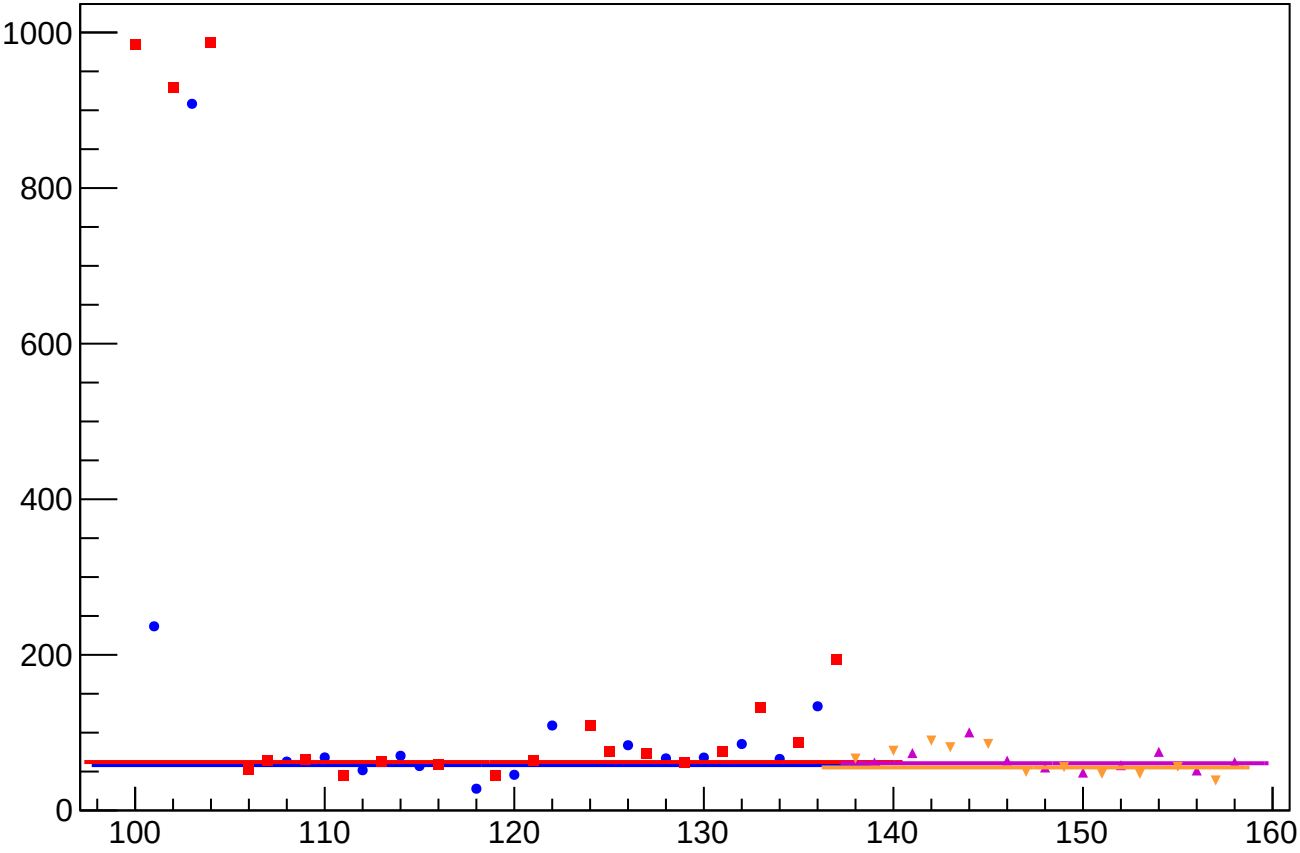
Left In: -0.015+/-0.023 χ^2/NDF:9.5/9

+ sign 0.009+/-0.017 χ^2/NDF: 25.3/26

All: 0.005+/-0.012 χ^2/NDF: 57.0/55

- sign 0.000+/-0.018 χ^2/NDF: 31.5/28

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 55.305+/-0.015 χ^2/NDF:823918.6/10

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

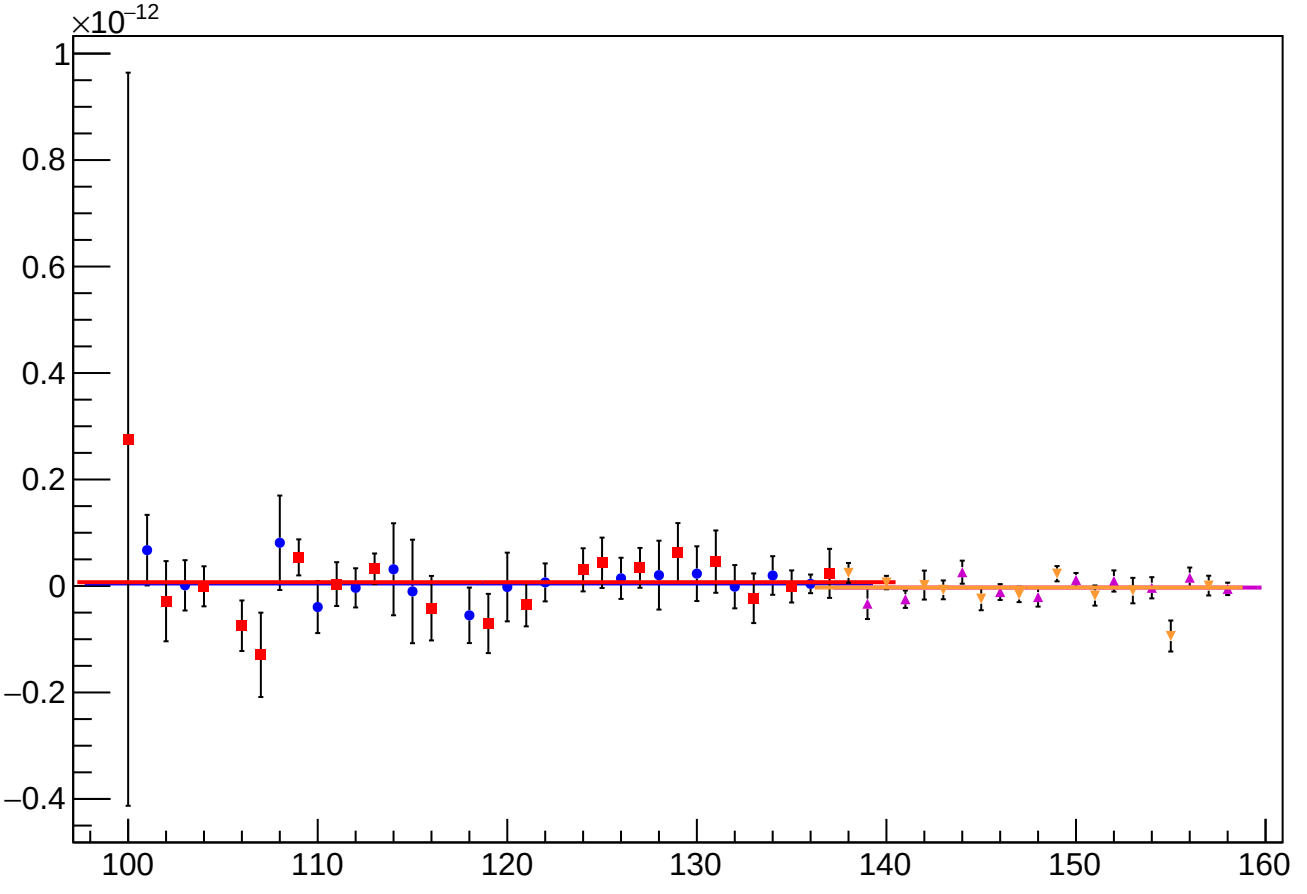
Left In: 60.679+/-0.016 χ^2/NDF:522432.7/9

+ sign 56.442+/-0.012 χ^2/NDF: 4098918.4/26

All: 58.805+/-0.009 χ^2/NDF: 7330275.4/55

- sign 61.290+/-0.012 χ^2/NDF: 3153199.5/28

asym_atr1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

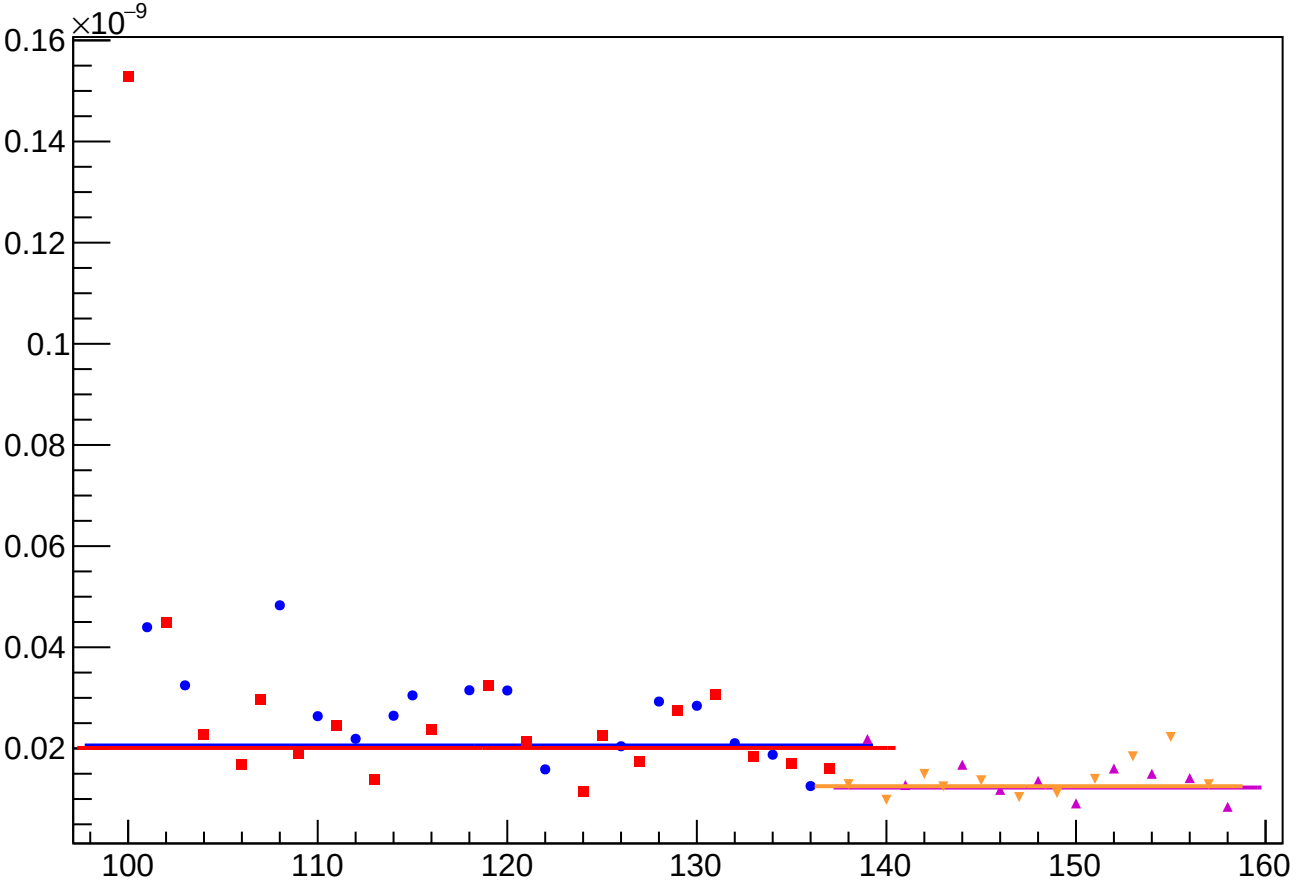
Left In: -0.000+/-0.000 χ^2/NDF:8.6/9

+ sign -0.000+/-0.000 χ^2/NDF: 23.1/26

All: -0.000+/-0.000 χ^2/NDF: 48.6/55

- sign -0.000+/-0.000 χ^2/NDF: 25.5/28

asym_atr1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1319631.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:532709.6/10

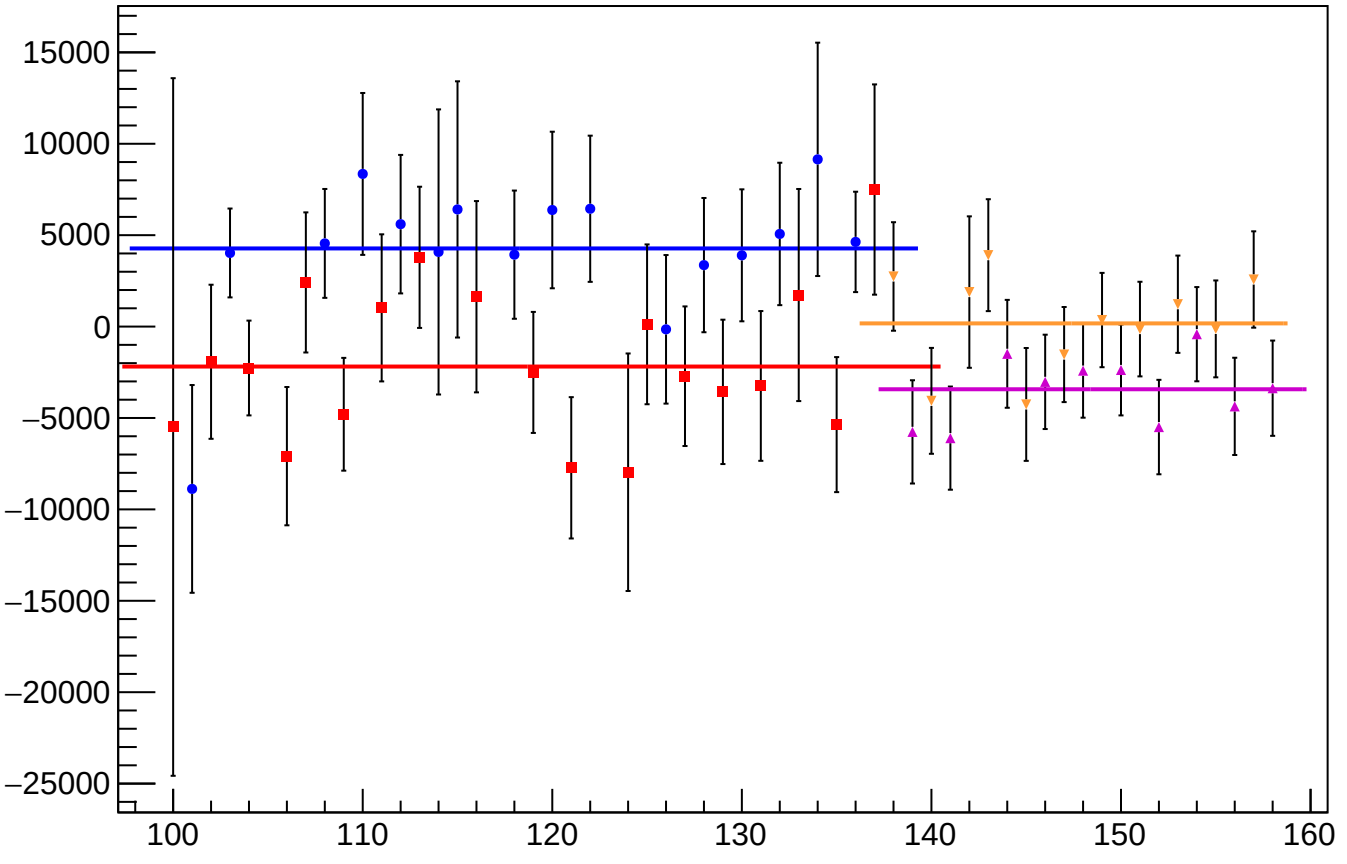
Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

Left In: 0.000+/-0.000 χ^2/NDF:779397.1/9

+ sign 0.000+/-0.000 χ^2/NDF: 2815248.4/26

All: 0.000+/-0.000 χ^2/NDF: 5352178.4/55

- sign 0.000+/-0.000 χ^2/NDF: 2531761.1/28



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: 173.965+/-851.972 χ^2/NDF:8.1/10

Right Out: -2186.264+/-922.104 χ^2/NDF: 14.8/18

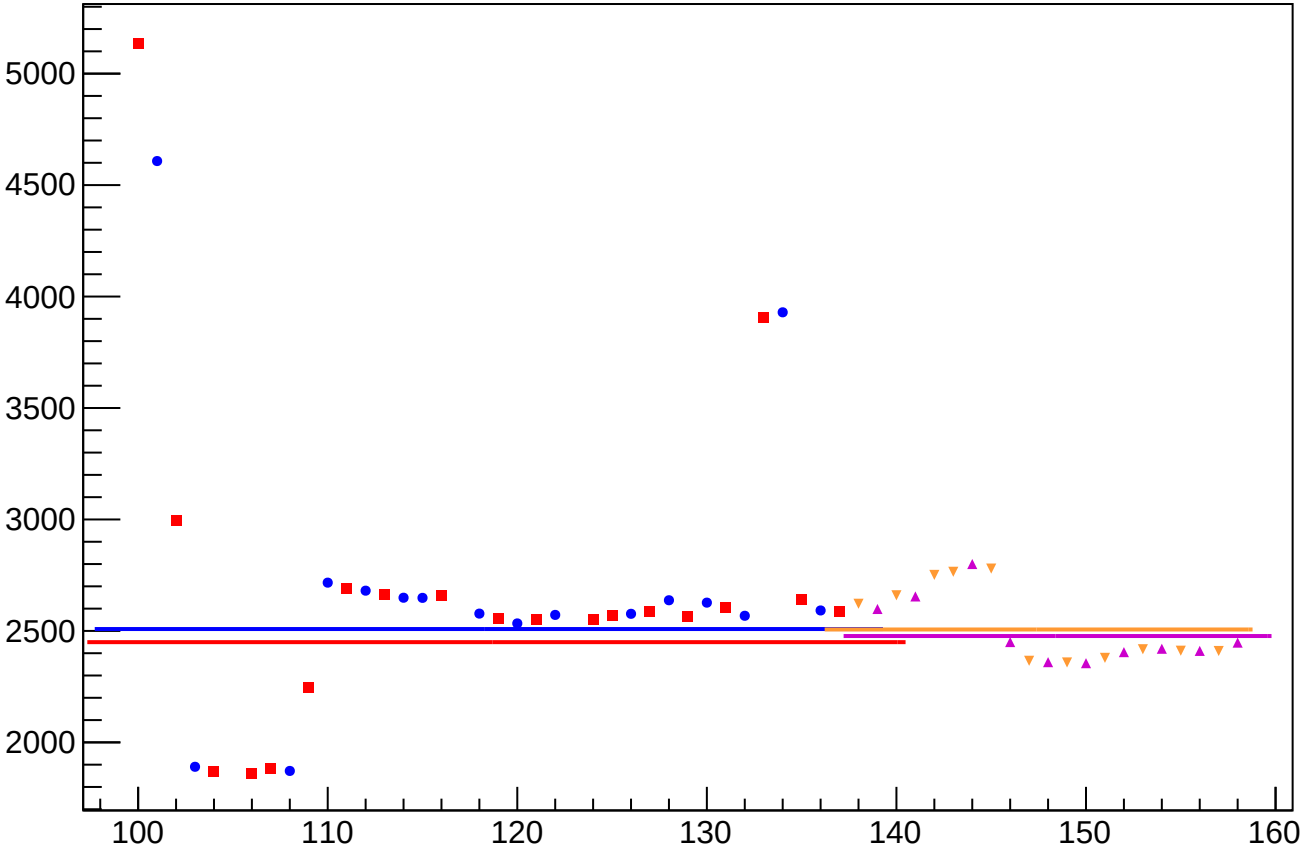
Left In: -3428.835+/-839.819 χ^2/NDF:4.5/9

+ sign 1997.606+/-634.851 χ^2/NDF: 27.2/26

All: -487.950+/-443.892 χ^2/NDF: 77.5/55

- sign -2865.453+/-620.898 χ^2/NDF: 20.3/28

reg_asym_atr2_rms vs Slug



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2506.435+/-0.602 χ^2/NDF:70312.3/10

Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

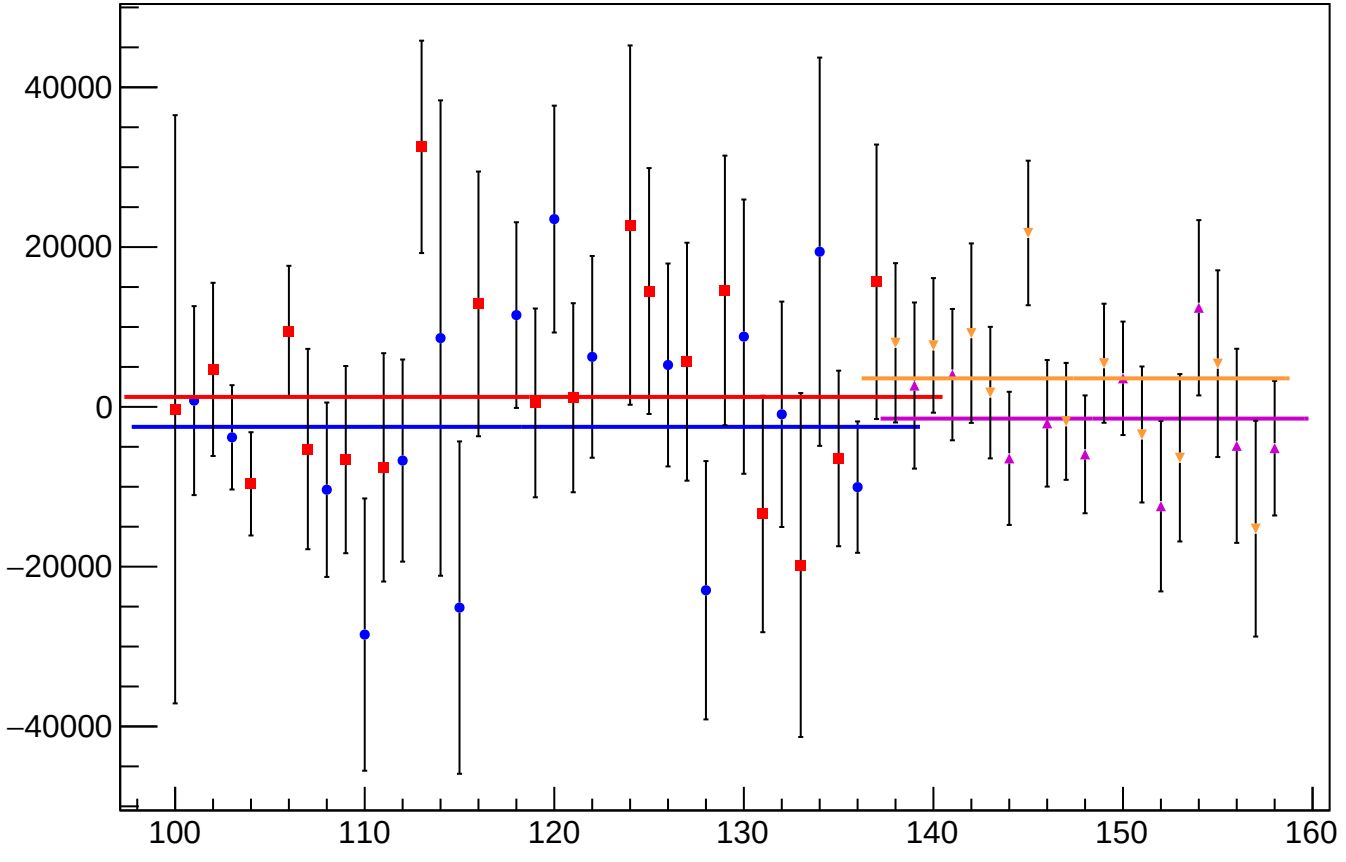
Left In: 2477.076+/-0.594 χ^2/NDF:48800.8/9

+ sign 2507.339+/-0.449 χ^2/NDF: 681907.0/26

All: 2485.509+/-0.314 χ^2/NDF: 1173204.4/55

- sign 2464.628+/-0.439 χ^2/NDF: 486670.8/28

asym_atr2_reg_correction_mean vs Slug



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 3569.654+/-2758.111 χ^2/NDF:8.9/10

Right Out: 1244.352+/-2852.739 χ^2/NDF: 16.6/18

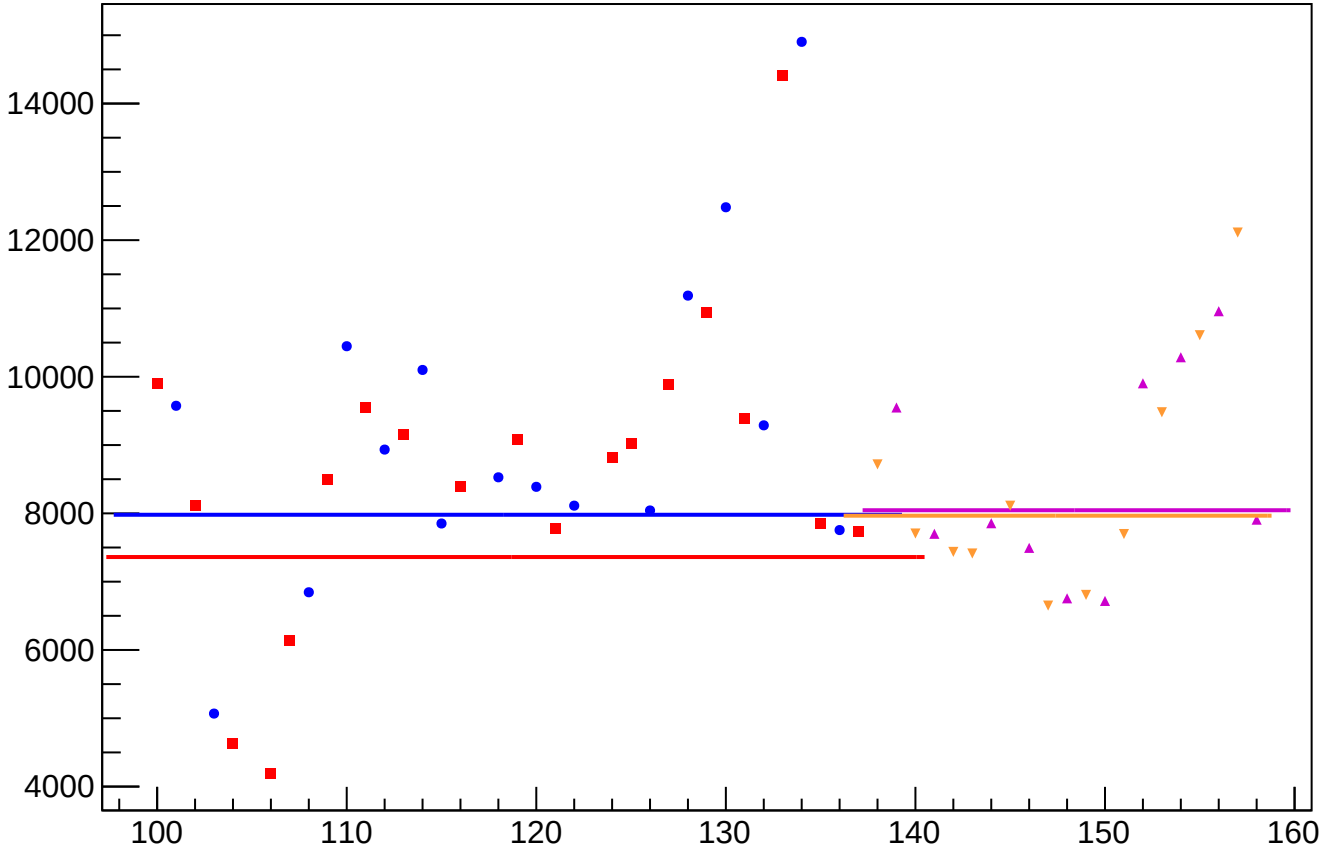
Left In: -1467.000+/-2767.416 χ^2/NDF:4.8/9

+ sign 863.894+/-2053.375 χ^2/NDF: 24.9/26

All: 338.847+/-1427.664 χ^2/NDF: 46.8/55

- sign -152.477+/-1986.338 χ^2/NDF: 21.8/28

asym_atr2_reg_correction_rms vs Slug



Right In: 7979.488+/-2.175 χ^2/NDF: 923083.9/15

Left Out: 7965.941+/-1.950 χ^2/NDF:474856.6/10

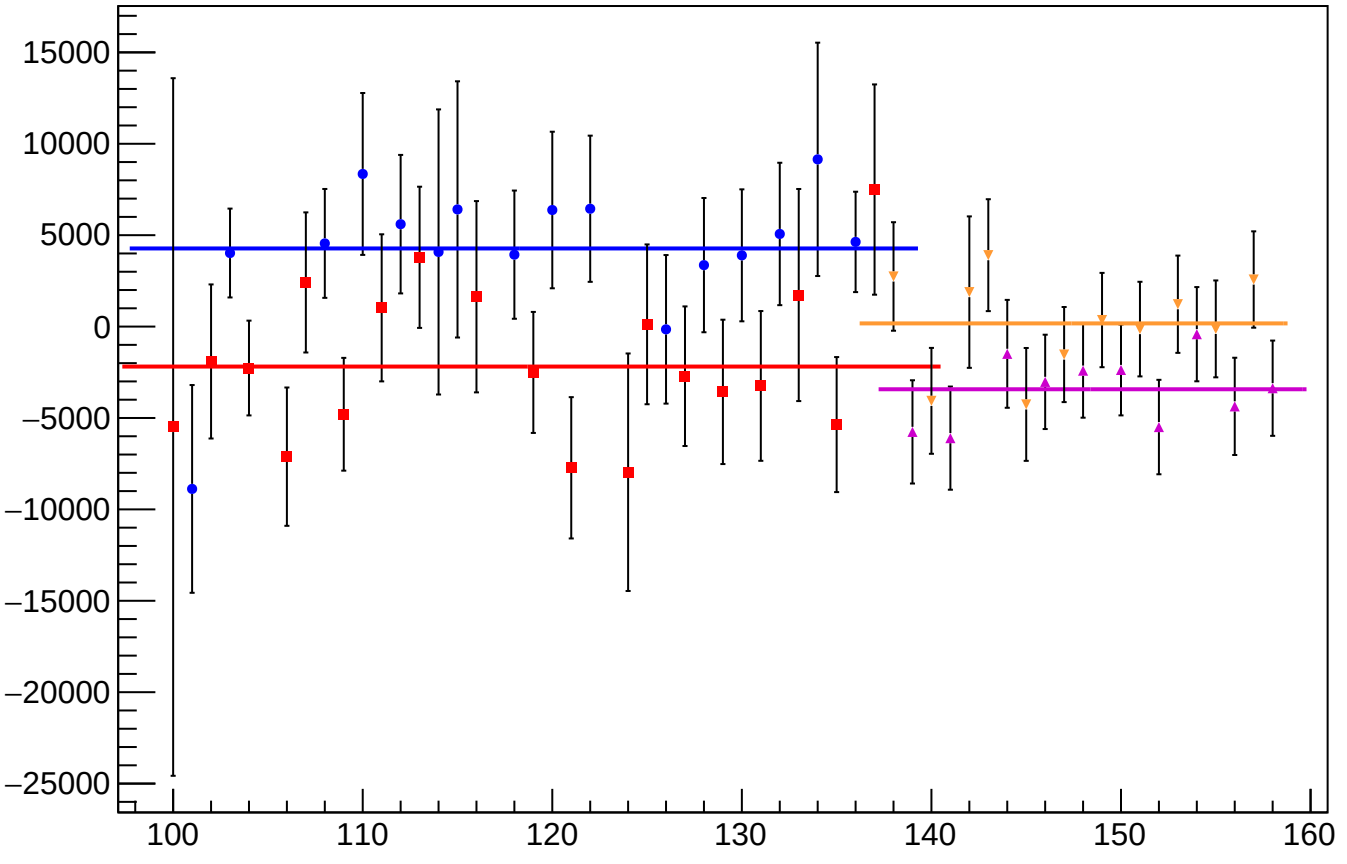
Right Out: 7360.741+/-2.017 χ^2/NDF: 1286008.5/18

Left In: 8045.836+/-1.957 χ^2/NDF:446836.2/9

+ sign 7971.980+/-1.452 χ^2/NDF: 1397962.0/26

All: 7838.548+/-1.010 χ^2/NDF: 3206579.0/55

- sign 7713.687+/-1.405 χ^2/NDF: 1792269.1/28



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 173.776+/-851.972 χ^2/NDF:8.1/10

Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

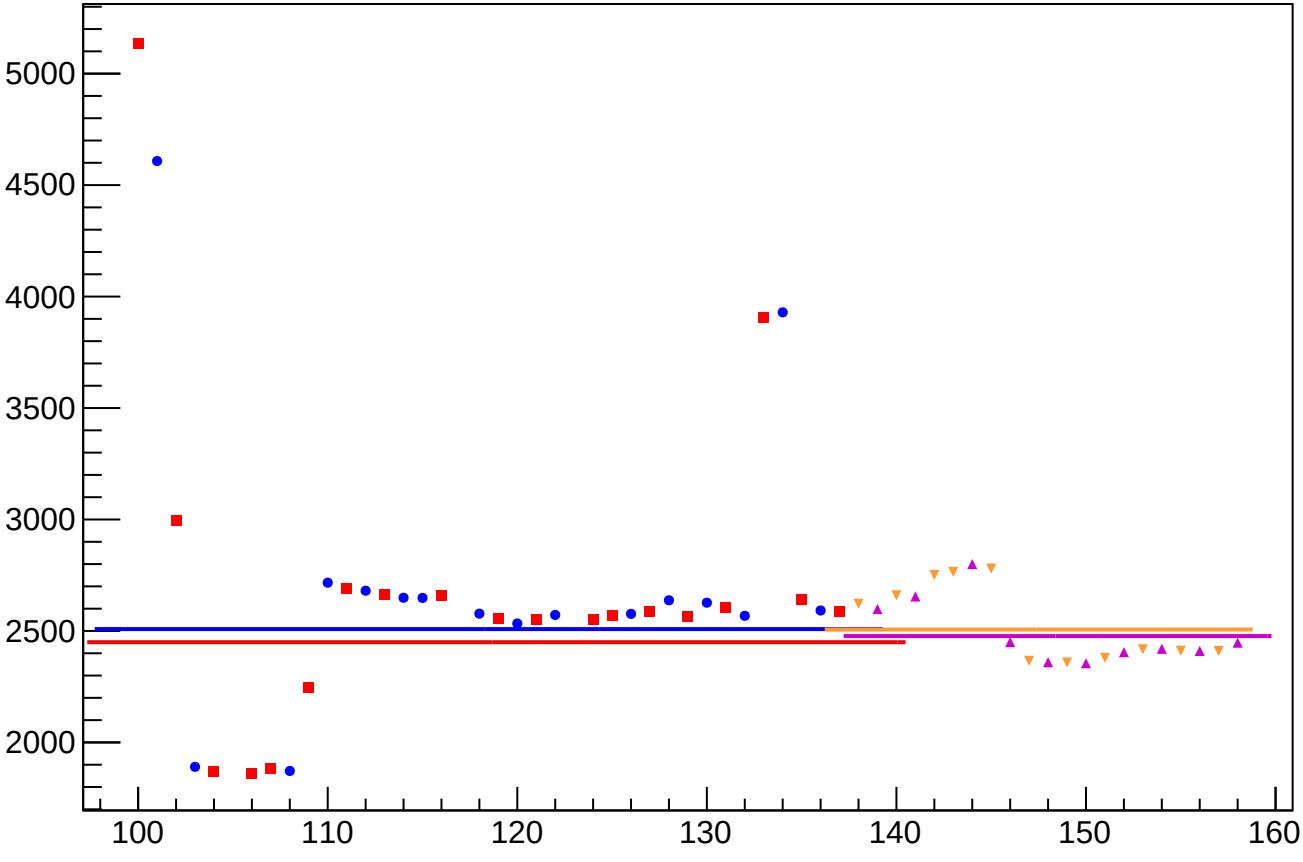
Left In: -3428.940+/-839.819 χ^2/NDF:4.5/9

+ sign 1997.282+/-634.851 χ^2/NDF: 27.2/26

All: -488.276+/-443.893 χ^2/NDF: 77.6/55

- sign -2865.798+/-620.901 χ^2/NDF: 20.3/28

cor_asym_atr2_rms vs Slug



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2506.435+/-0.602 χ^2/NDF:70312.3/10

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

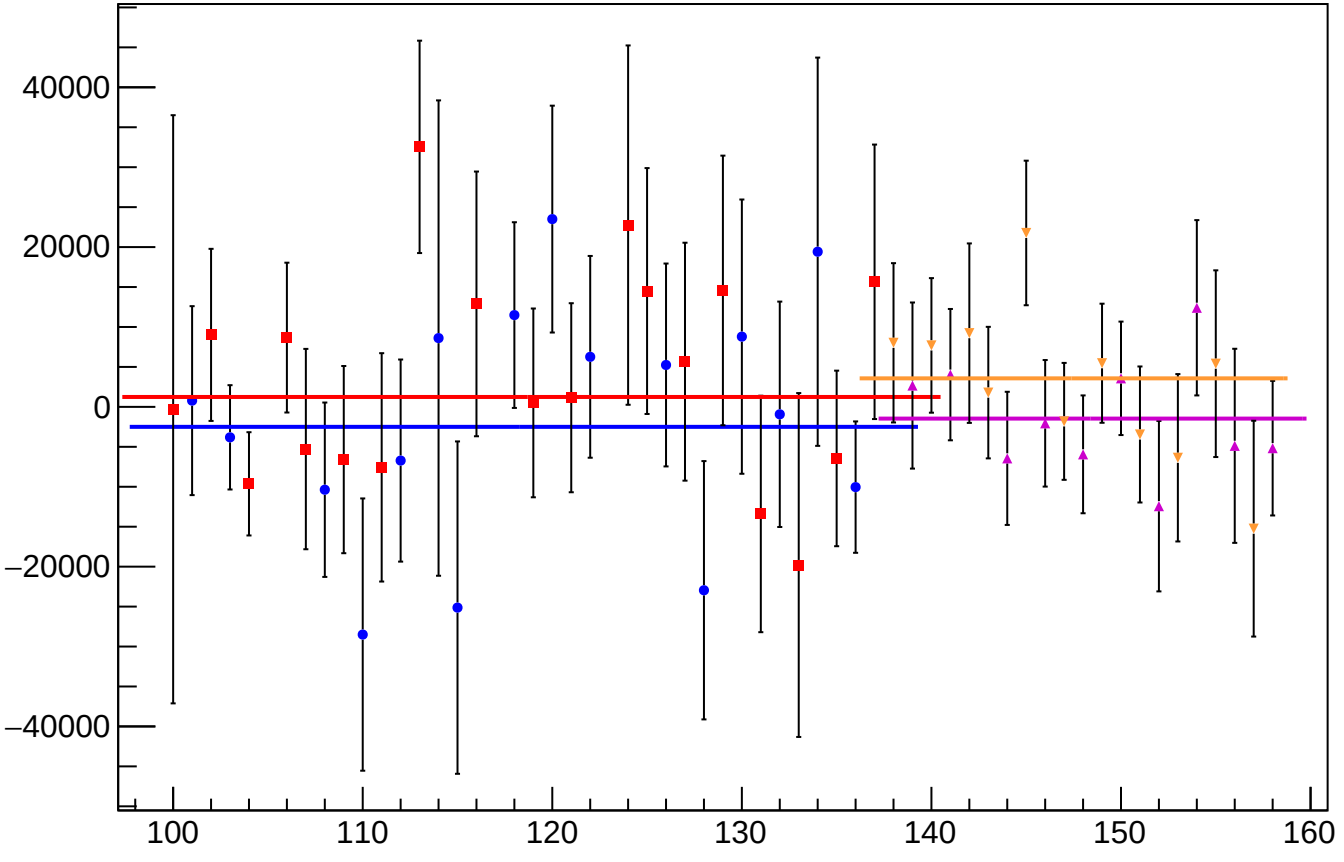
Left In: 2477.076+/-0.594 χ^2/NDF:48800.8/9

+ sign 2507.339+/-0.449 χ^2/NDF: 681904.8/26

All: 2485.515+/-0.314 χ^2/NDF: 1173143.7/55

- sign 2464.640+/-0.439 χ^2/NDF: 486614.7/28

asym_atr2_cor_correction_mean vs Slug



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 3569.607+/-2758.106 χ^2/NDF:8.9/10

Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

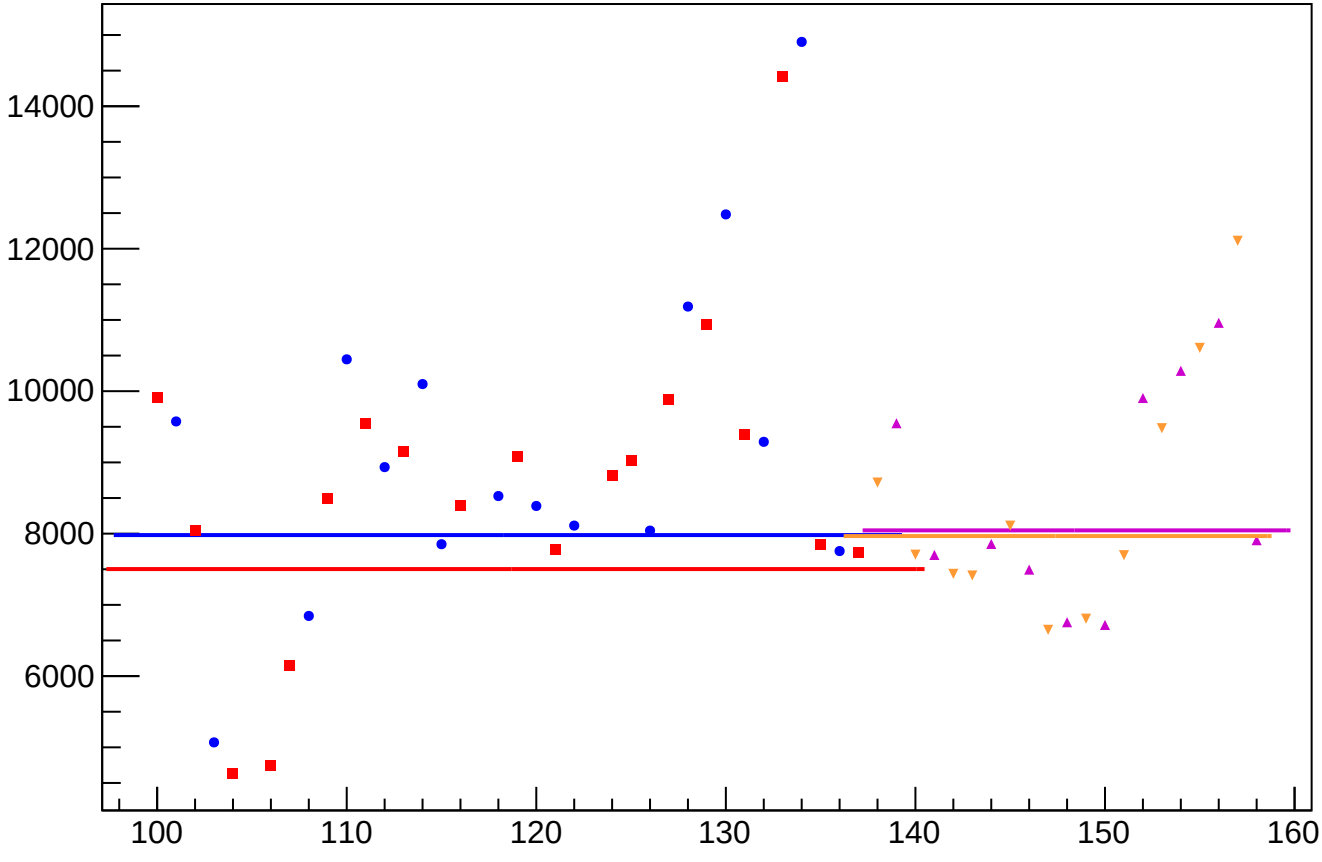
Left In: -1467.185+/-2767.416 χ^2/NDF:4.8/9

+ sign 864.058+/-2053.399 χ^2/NDF: 24.9/26

All: 331.395+/-1432.696 χ^2/NDF: 46.8/55

- sign -173.892+/-1999.935 χ^2/NDF: 21.8/28

asym_atr2_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 7965.926+/-1.950 χ^2/NDF:474861.4/10

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

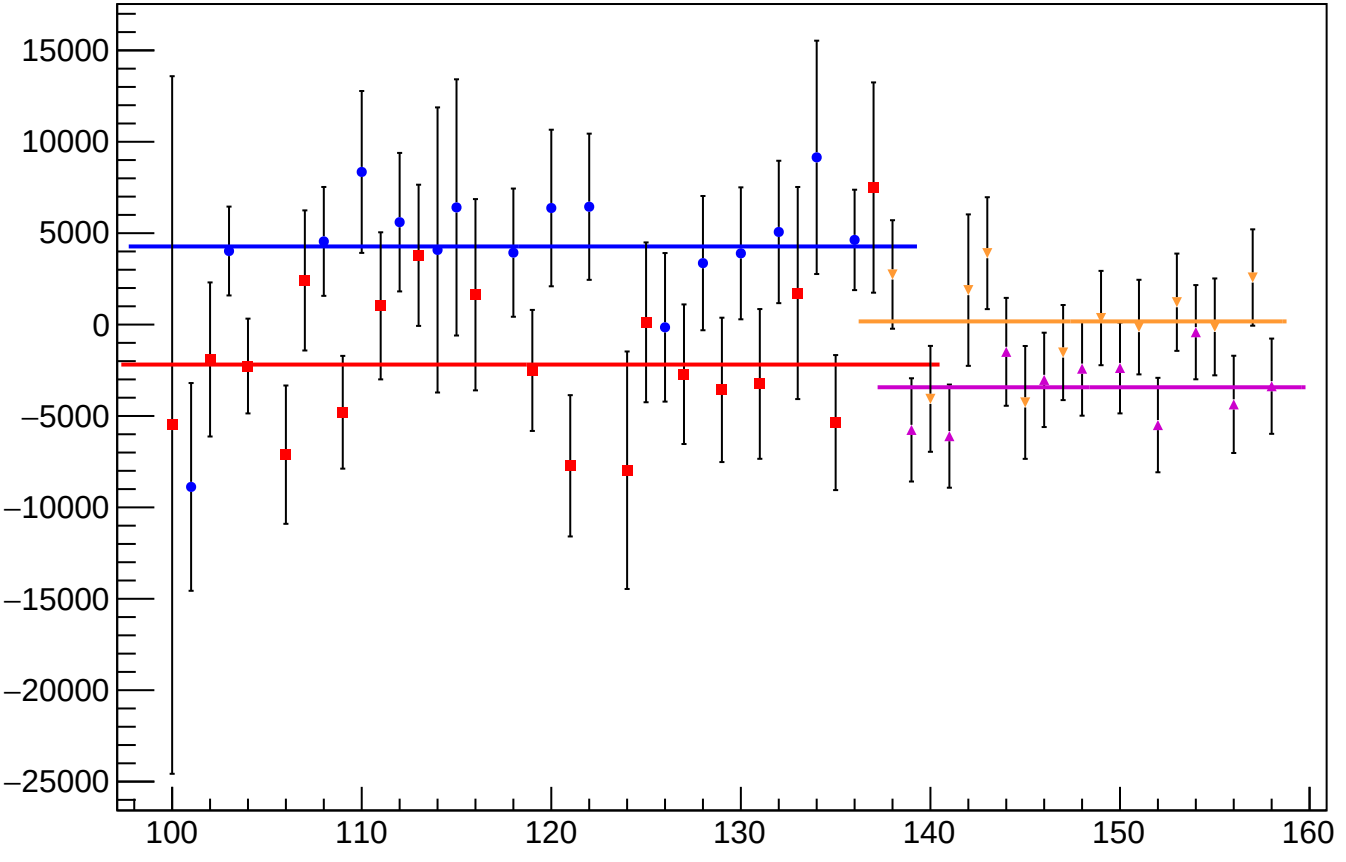
Left In: 8045.835+/-1.957 χ^2/NDF:446837.9/9

+ sign 7972.115+/-1.452 χ^2/NDF: 1397669.4/26

All: 7876.782+/-1.013 χ^2/NDF: 3025236.9/55

- sign 7786.348+/-1.414 χ^2/NDF: 1619167.2/28

eigen_cor_asym_atr2_mean vs Slug



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 173.776+/-851.972 χ^2/NDF:8.1/10

Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

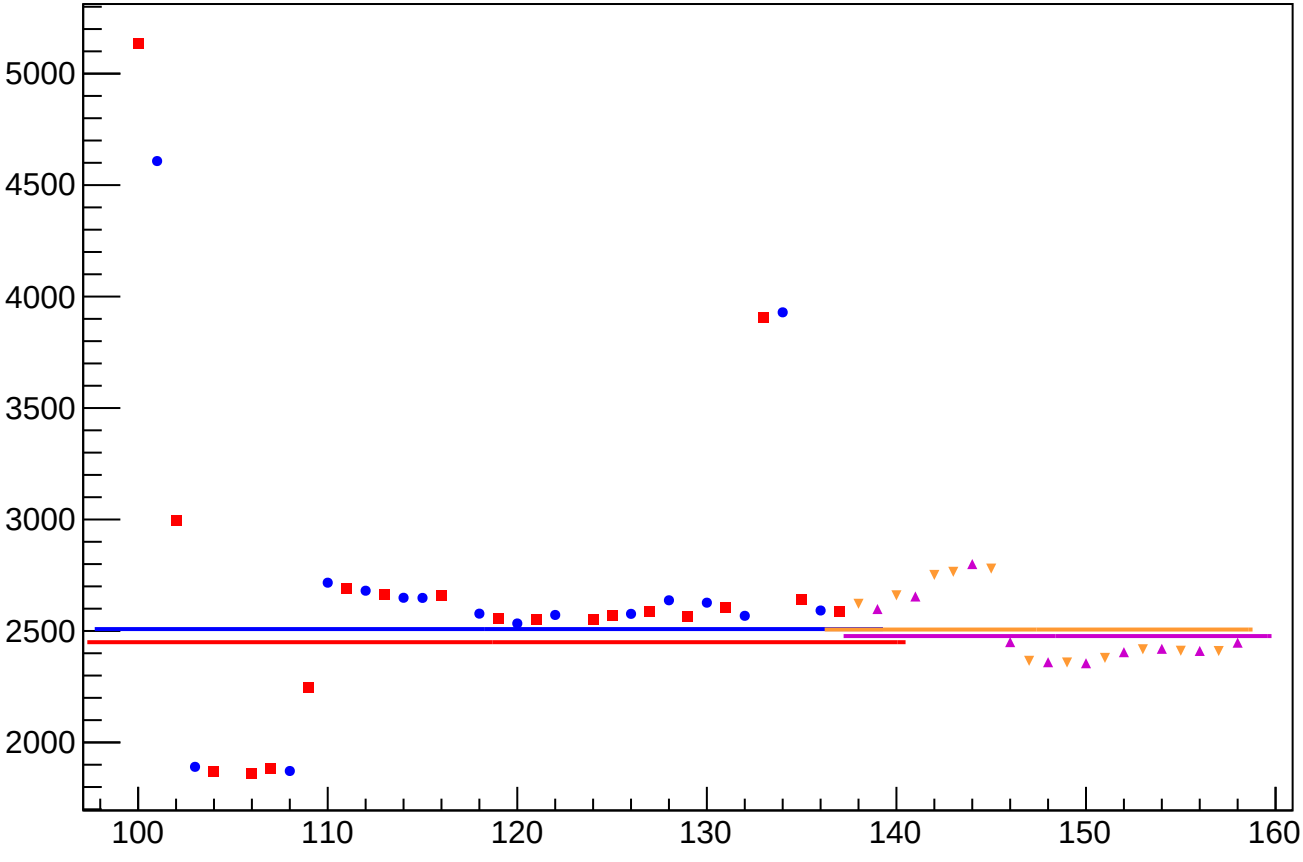
Left In: -3428.940+/-839.819 χ^2/NDF:4.5/9

+ sign 1997.282+/-634.851 χ^2/NDF: 27.2/26

All: -488.276+/-443.893 χ^2/NDF: 77.6/55

- sign -2865.798+/-620.901 χ^2/NDF: 20.3/28

eigen_cor_asym_atr2_rms vs Slug



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2506.435+/-0.602 χ^2/NDF:70312.3/10

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

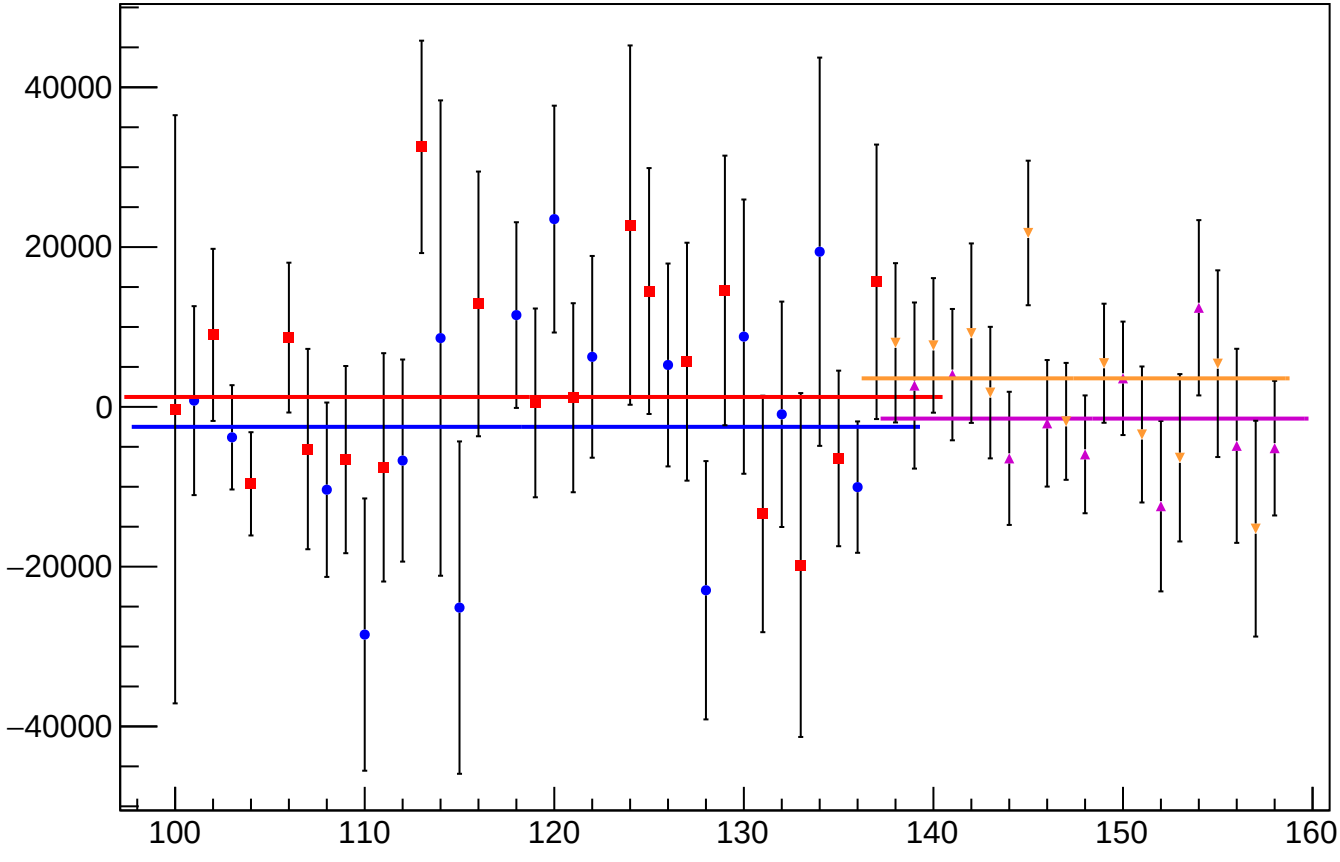
Left In: 2477.076+/-0.594 χ^2/NDF:48800.8/9

+ sign 2507.339+/-0.449 χ^2/NDF: 681904.8/26

All: 2485.515+/-0.314 χ^2/NDF: 1173143.7/55

- sign 2464.640+/-0.439 χ^2/NDF: 486614.7/28

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 3569.607+/-2758.106 χ^2/NDF:8.9/10

Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

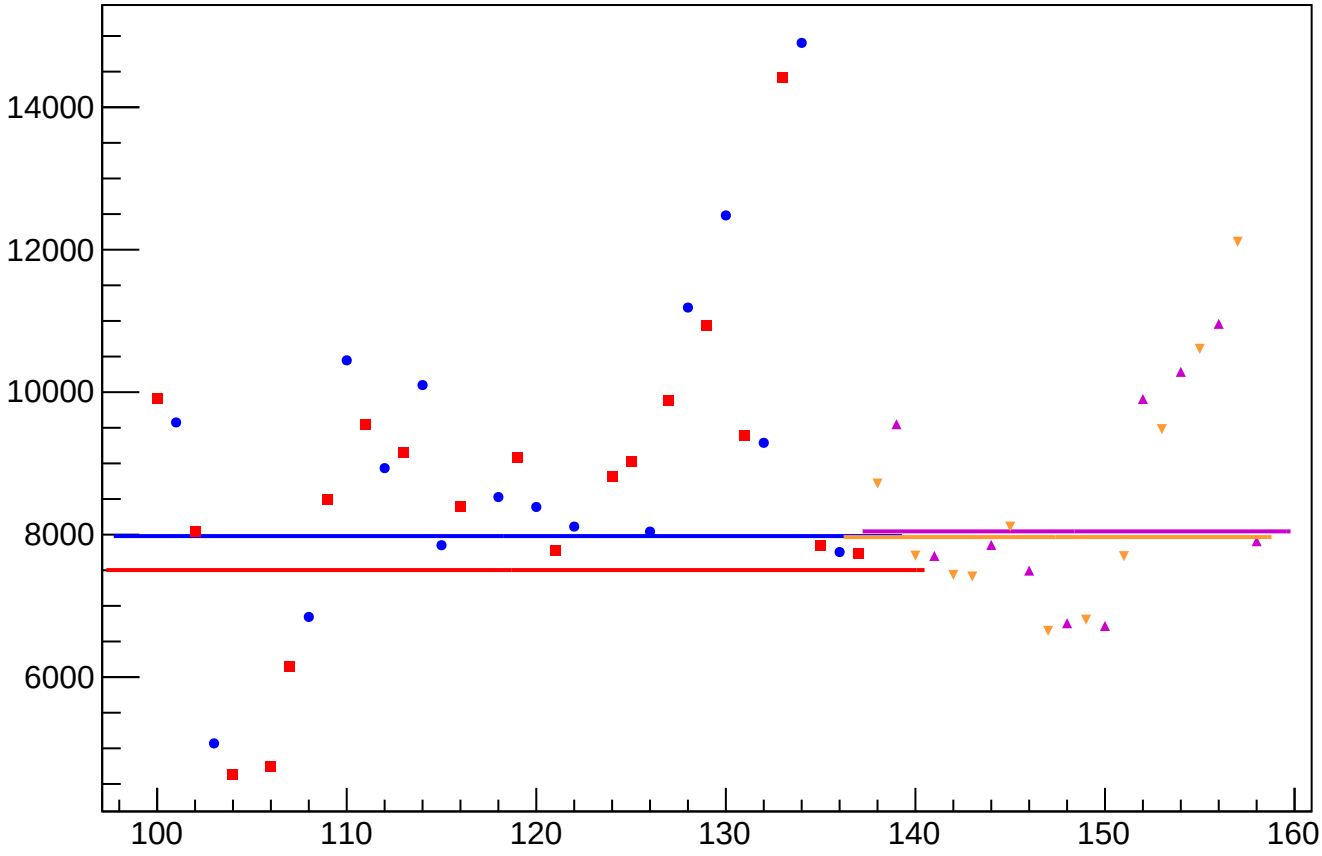
Left In: -1467.185+/-2767.416 χ^2/NDF:4.8/9

+ sign 864.058+/-2053.399 χ^2/NDF: 24.9/26

All: 331.395+/-1432.696 χ^2/NDF: 46.8/55

- sign -173.892+/-1999.935 χ^2/NDF: 21.8/28

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 7965.926+/-1.950 χ^2/NDF:474861.4/10

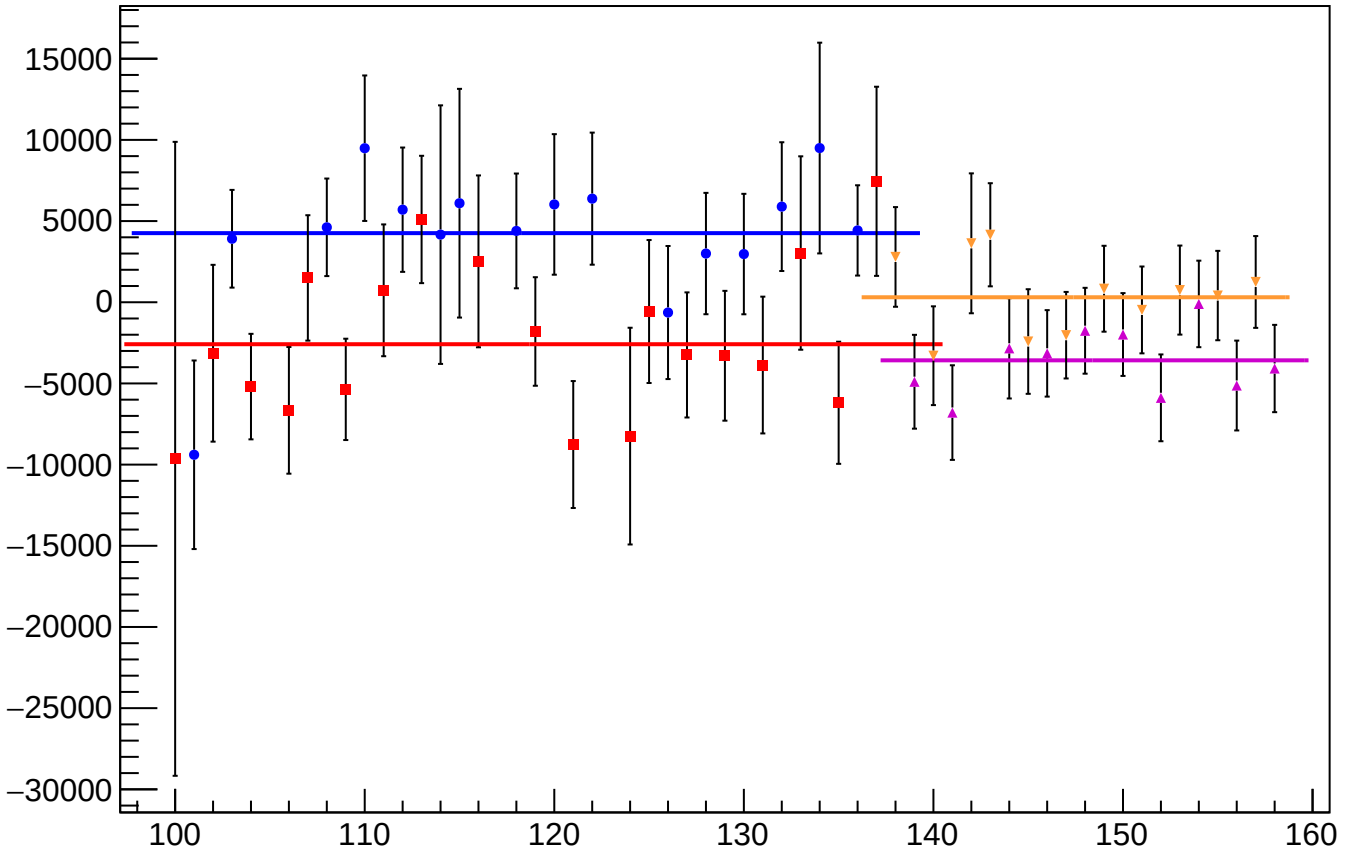
Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 8045.835+/-1.957 χ^2/NDF:446837.9/9

+ sign 7972.115+/-1.452 χ^2/NDF: 1397669.4/26

All: 7876.782+/-1.013 χ^2/NDF: 3025236.9/55

- sign 7786.348+/-1.414 χ^2/NDF: 1619167.2/28



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: 307.200+/-884.843 χ^2/NDF:5.9/10

Right Out: -2584.689+/-966.049 χ^2/NDF: 17.6/18

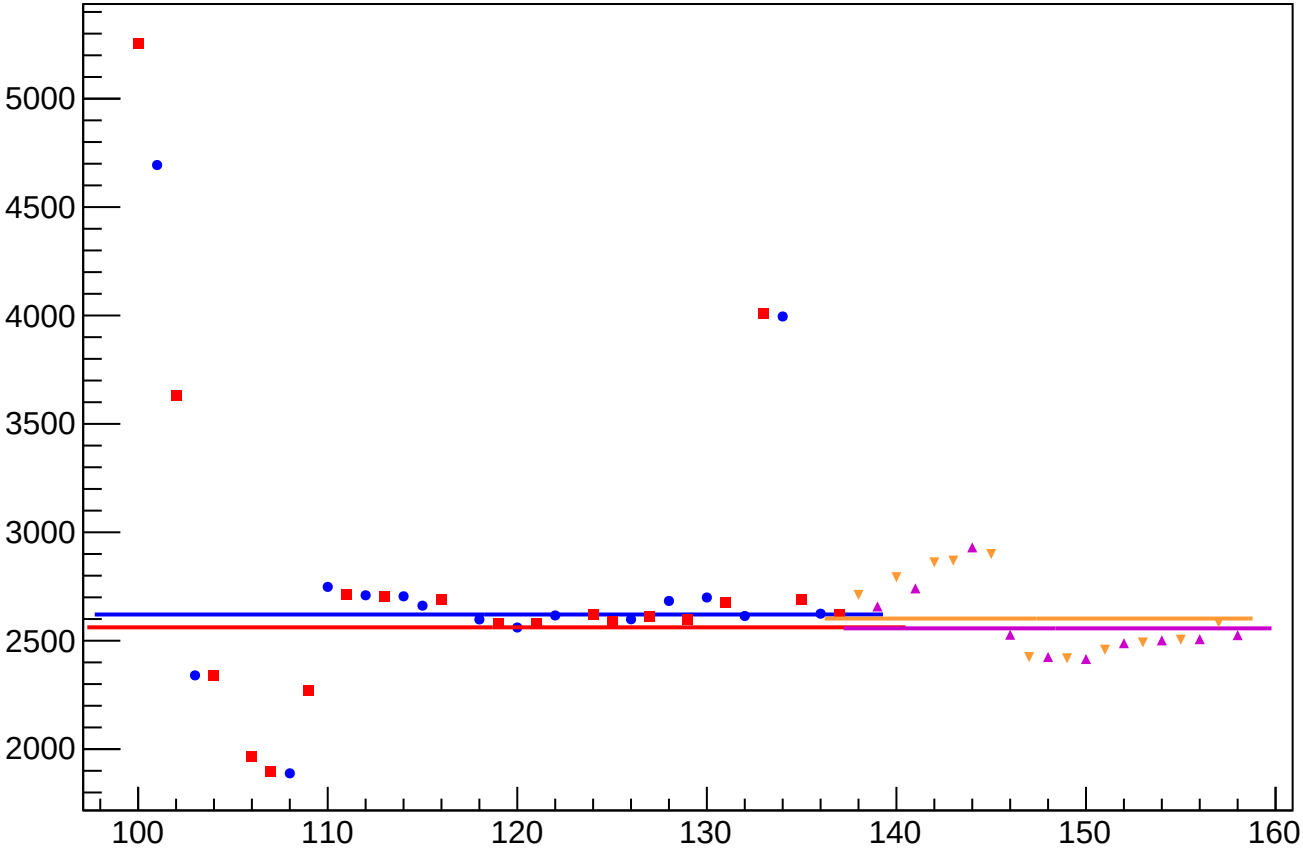
Left In: -3577.529+/-867.111 χ^2/NDF:5.2/9

+ sign 2060.179+/-659.895 χ^2/NDF: 24.8/26

All: -595.289+/-461.367 χ^2/NDF: 79.8/55

- sign -3134.538+/-645.293 χ^2/NDF: 23.4/28

dit_asym_atr2_rms vs Slug



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2602.267+/-0.626 χ^2/NDF:78946.8/10

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

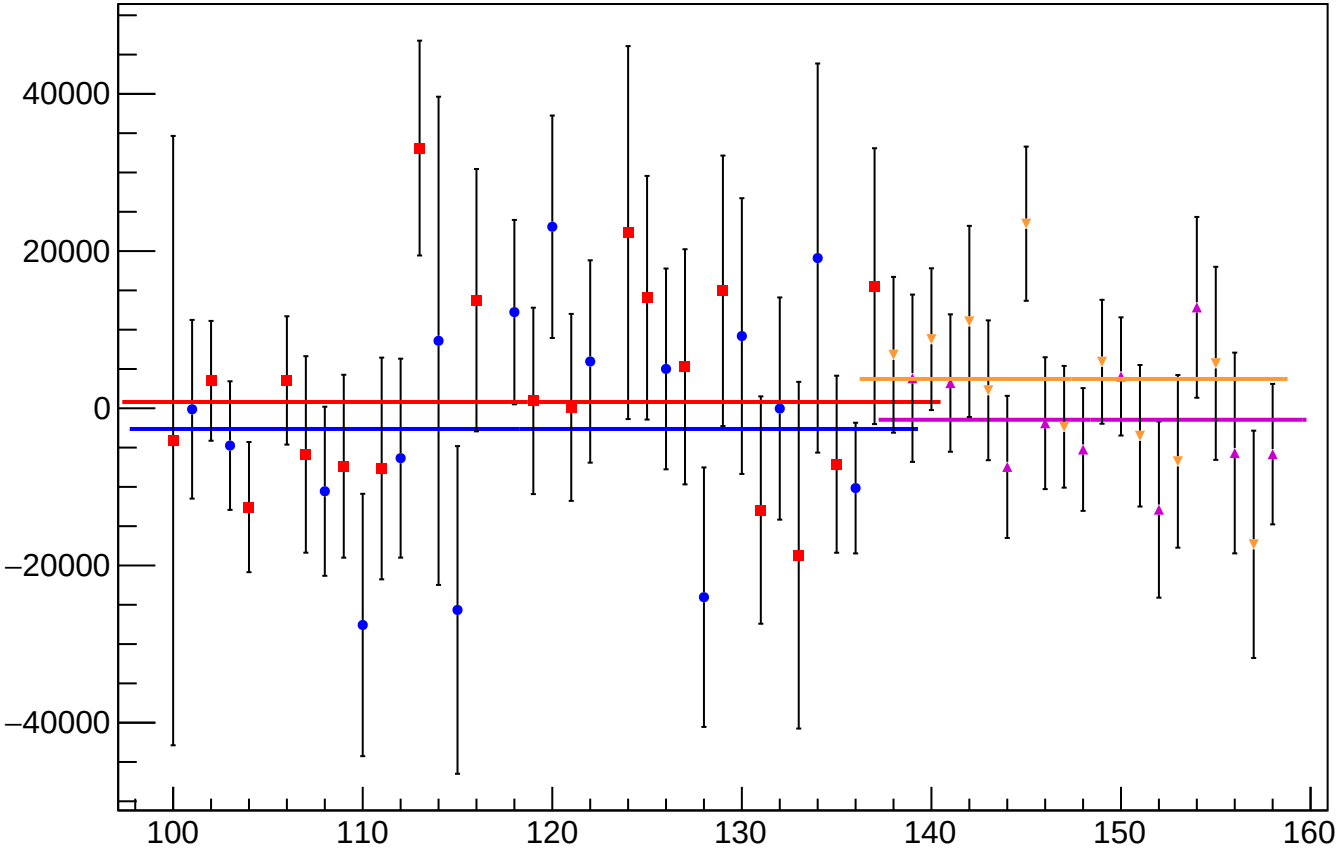
Left In: 2557.060+/-0.613 χ^2/NDF:54184.9/9

+ sign 2610.565+/-0.467 χ^2/NDF: 565257.2/26

All: 2584.270+/-0.326 χ^2/NDF: 1003937.8/55

- sign 2559.140+/-0.456 χ^2/NDF: 432470.2/28

asym_atr2_dit_correction_mean vs Slug



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 3734.253+/-2922.730 χ^2/NDF:9.2/10

Right Out: 802.880+/-2872.934 χ^2/NDF: 15.4/18

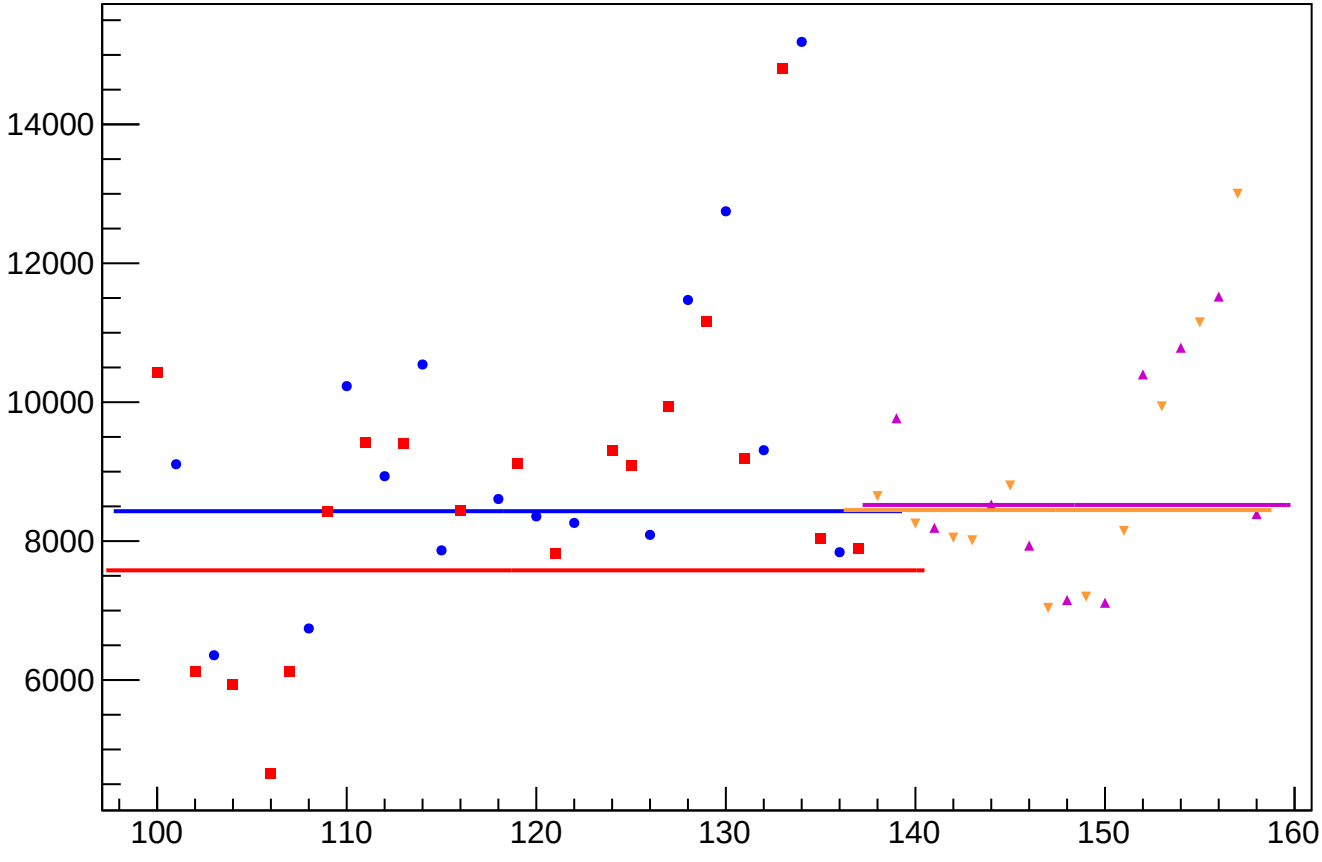
Left In: -1459.249+/-2928.258 χ^2/NDF:4.7/9

+ sign 850.198+/-2161.580 χ^2/NDF: 25.2/26

All: 241.377+/-1487.738 χ^2/NDF: 45.7/55

- sign -306.614+/-2050.752 χ^2/NDF: 20.4/28

asym_atr2_dit_correction_rms vs Slug



Right In: 8430.768+/-2.271 χ^2/NDF: 580295.1/15

Left Out: 8446.562+/-2.067 χ^2/NDF:461828.5/10

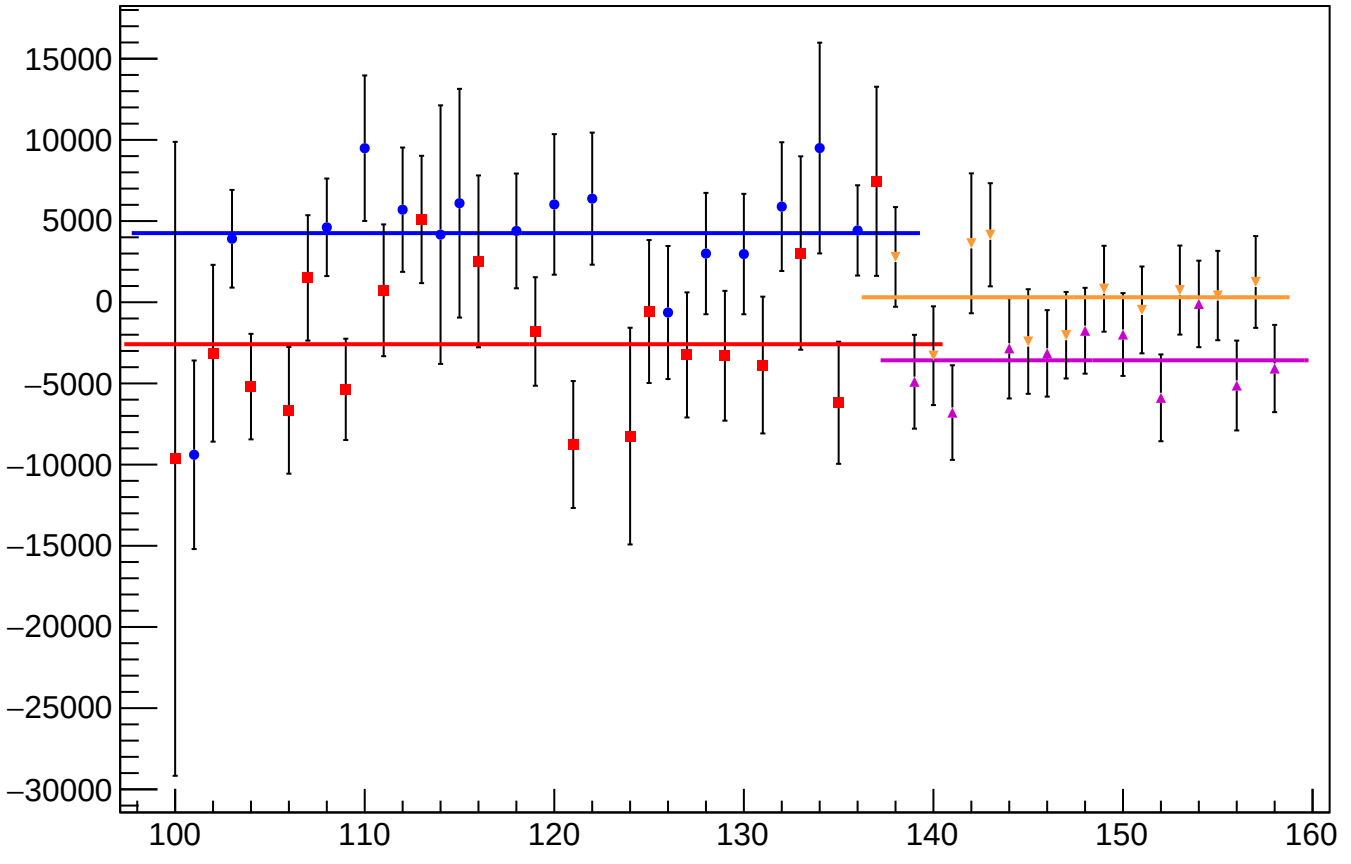
Right Out: 7579.112+/-2.031 χ^2/NDF: 974126.9/18

Left In: 8520.490+/-2.071 χ^2/NDF:416198.9/9

+ sign 8439.407+/-1.528 χ^2/NDF: 1042150.0/26

All: 8229.636+/-1.052 χ^2/NDF: 2573585.6/55

- sign 8040.824+/-1.450 χ^2/NDF: 1495646.5/28



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: 307.190+/-884.844 χ^2/NDF:5.9/10

Right Out: -2584.699+/-966.048 χ^2/NDF: 17.6/18

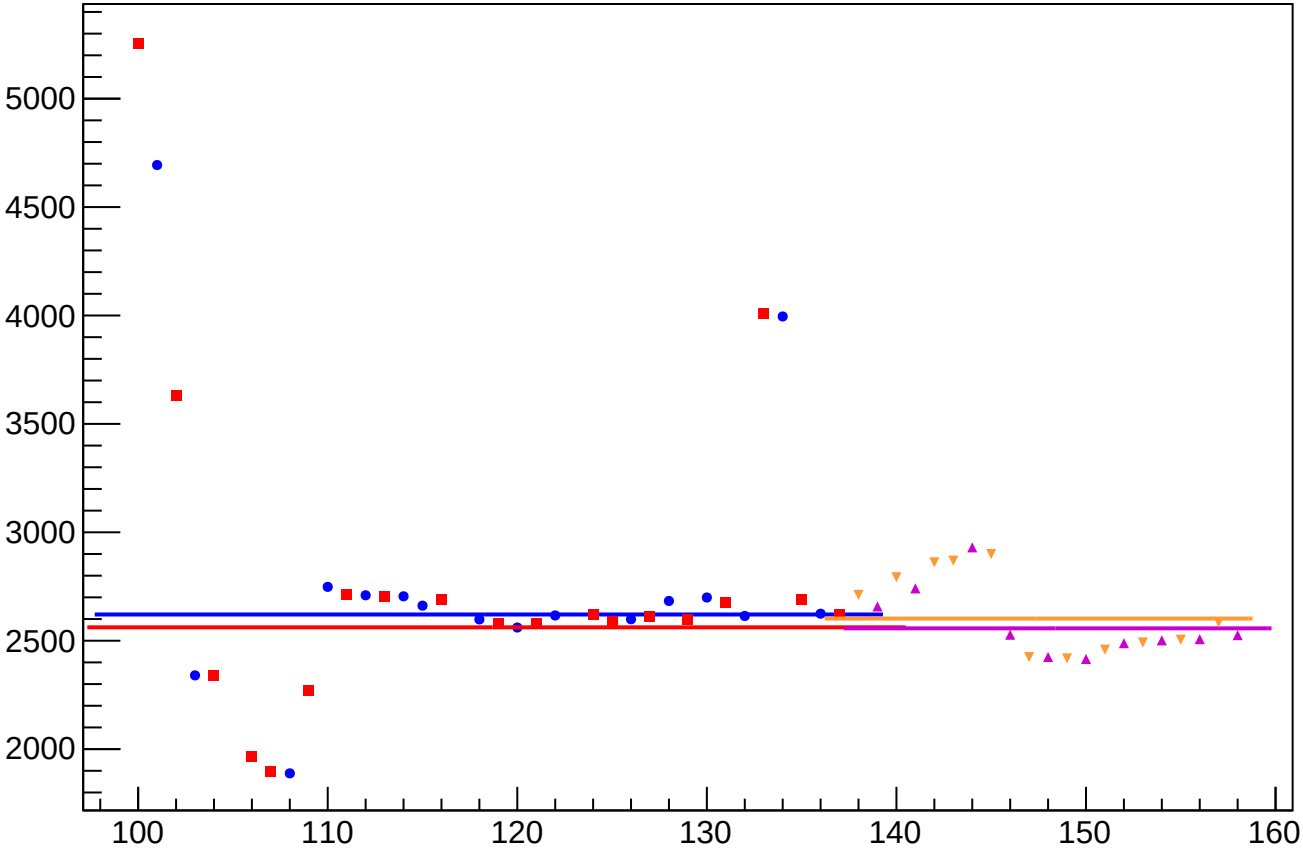
Left In: -3577.527+/-867.112 χ^2/NDF:5.2/9

+ sign 2060.179+/-659.895 χ^2/NDF: 24.8/26

All: -595.291+/-461.367 χ^2/NDF: 79.8/55

- sign -3134.541+/-645.293 χ^2/NDF: 23.4/28

eigen_dit_asym_atr2_rms vs Slug



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2602.269+/-0.626 χ^2/NDF:78947.0/10

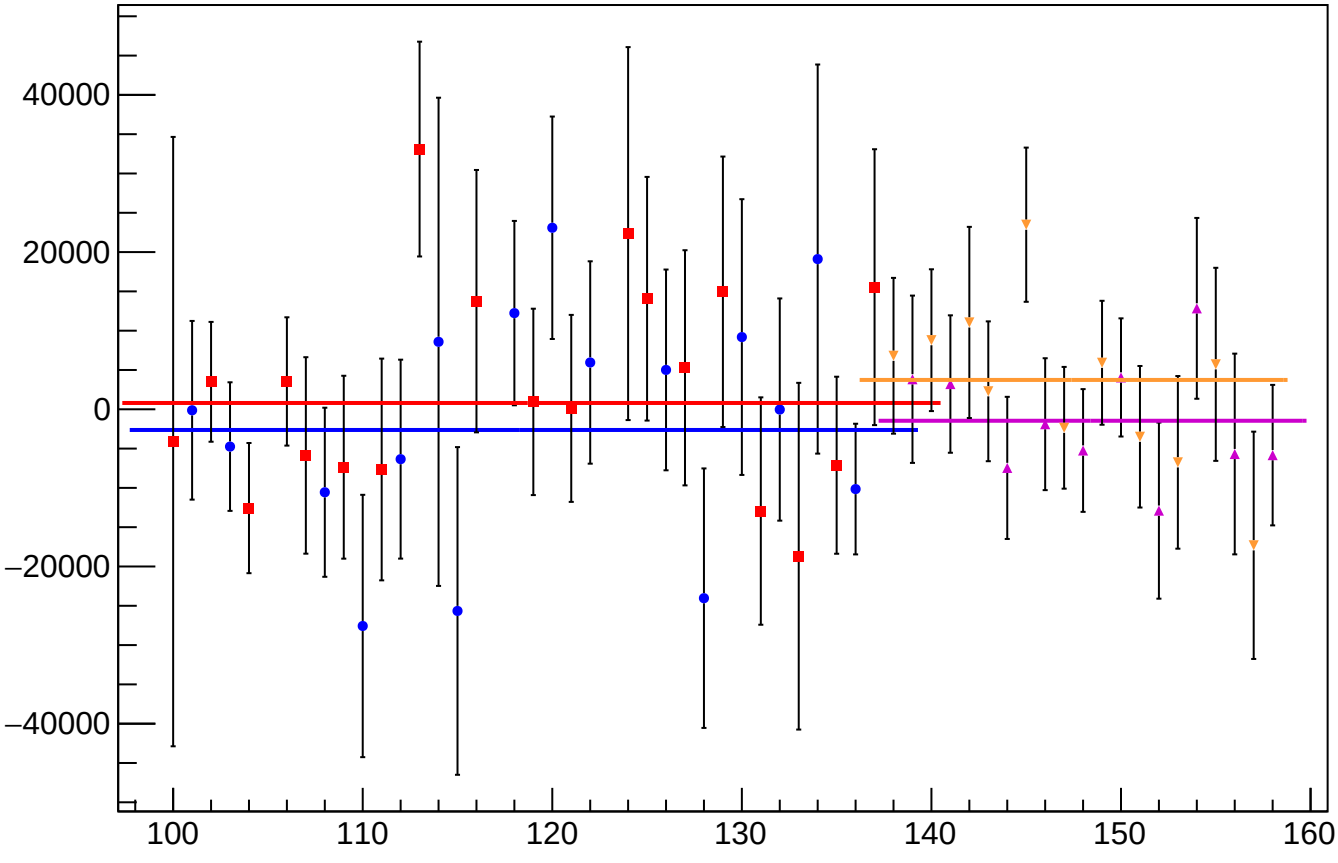
Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 2557.061+/-0.613 χ^2/NDF:54184.7/9

+ sign 2610.565+/-0.467 χ^2/NDF: 565257.6/26

All: 2584.271+/-0.326 χ^2/NDF: 1003937.4/55

- sign 2559.140+/-0.456 χ^2/NDF: 432469.4/28



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 3734.246+/-2922.734 χ^2/NDF:9.2/10

Right Out: 802.875+/-2872.930 χ^2/NDF: 15.4/18

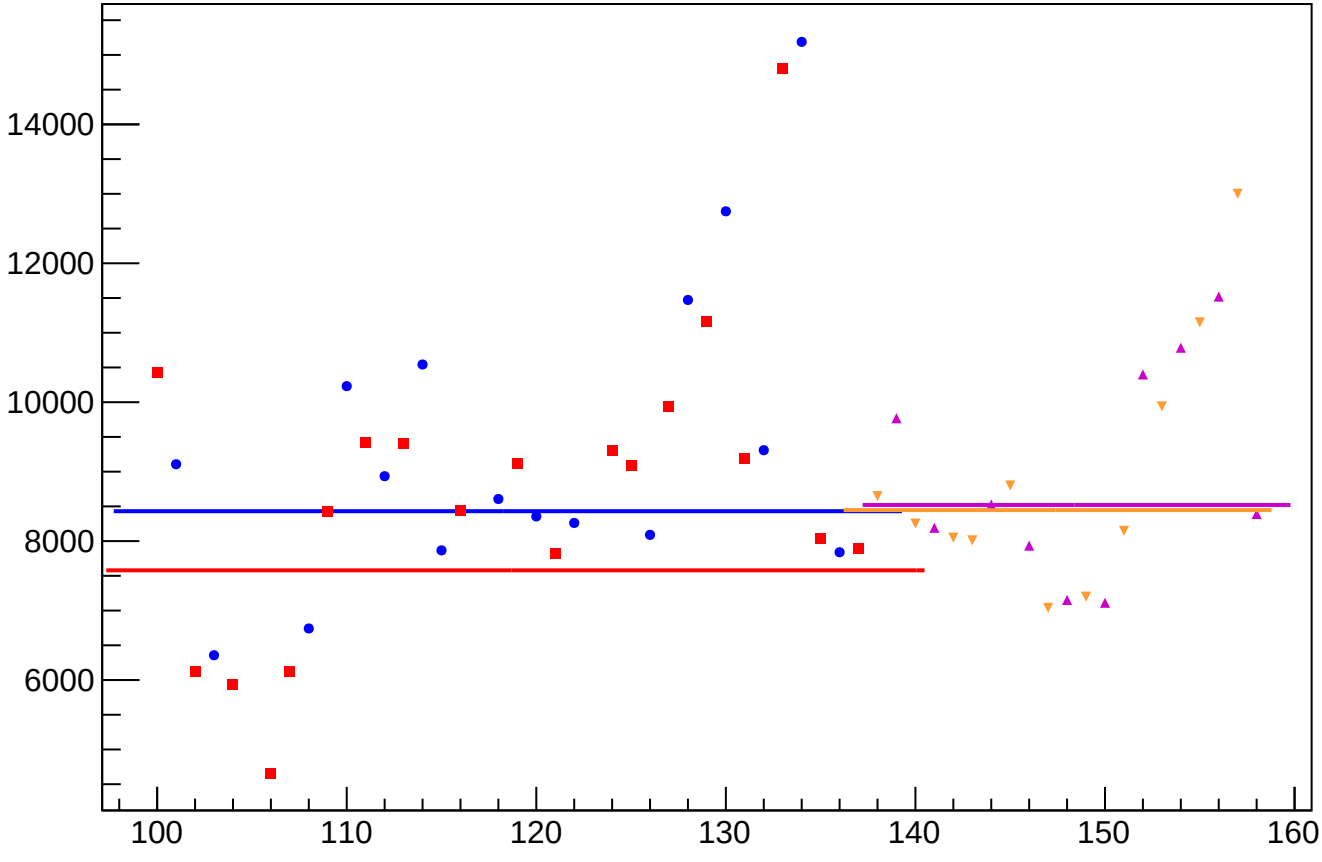
Left In: -1459.245+/-2928.262 χ^2/NDF:4.7/9

+ sign 850.201+/-2161.580 χ^2/NDF: 25.2/26

All: 241.380+/-1487.738 χ^2/NDF: 45.7/55

- sign -306.610+/-2050.751 χ^2/NDF: 20.4/28

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 8430.758+/-2.271 χ^2/NDF: 580289.4/15

Left Out: 8446.574+/-2.067 χ^2/NDF:461826.8/10

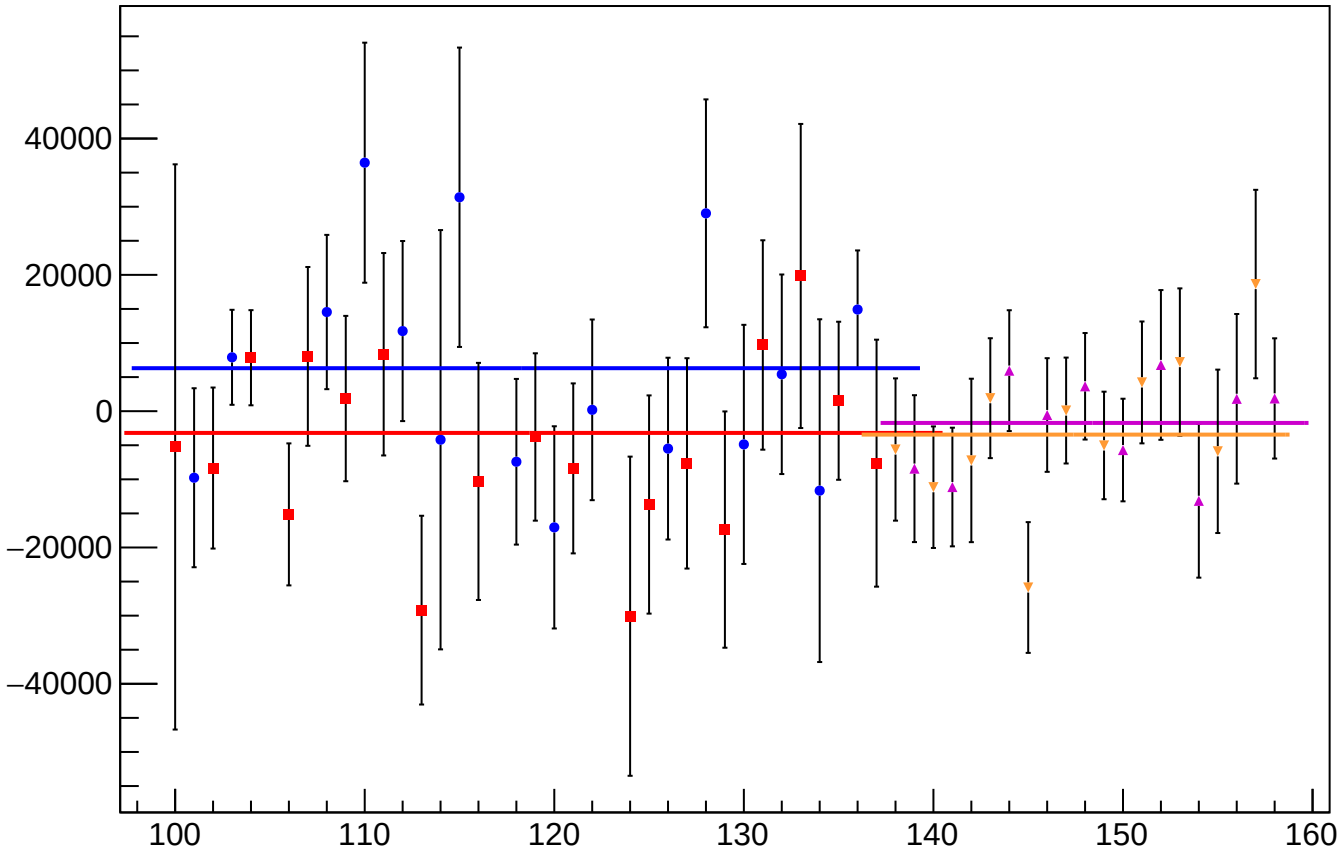
Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

Left In: 8520.501+/-2.071 χ^2/NDF:416196.7/9

+ sign 8439.409+/-1.528 χ^2/NDF: 1042142.7/26

All: 8229.636+/-1.052 χ^2/NDF: 2573578.3/55

- sign 8040.822+/-1.450 χ^2/NDF: 1495645.8/28



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -3437.347+/-2906.421 χ^2/NDF:11.3/10

Right Out: -3189.356+/-3068.645 χ^2/NDF: 13.9/18

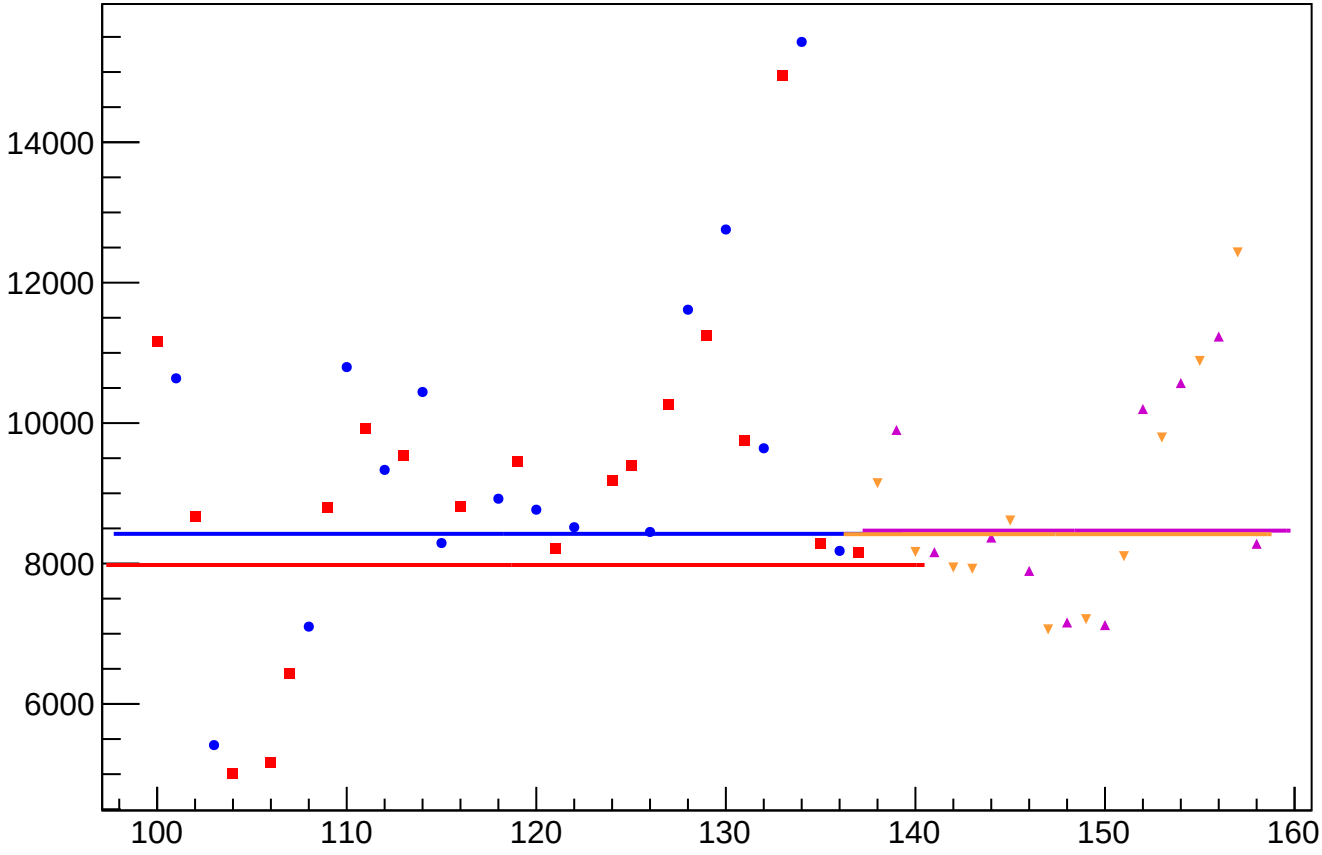
Left In: -1724.581+/-2906.137 χ^2/NDF:4.9/9

+ sign 907.991+/-2163.415 χ^2/NDF: 31.4/26

All: -796.091+/-1510.549 χ^2/NDF: 51.6/55

- sign -2417.158+/-2110.062 χ^2/NDF: 19.0/28

asym_atr2_rms vs Slug



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 8417.747+/-2.055 χ^2/NDF:417597.0/10

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

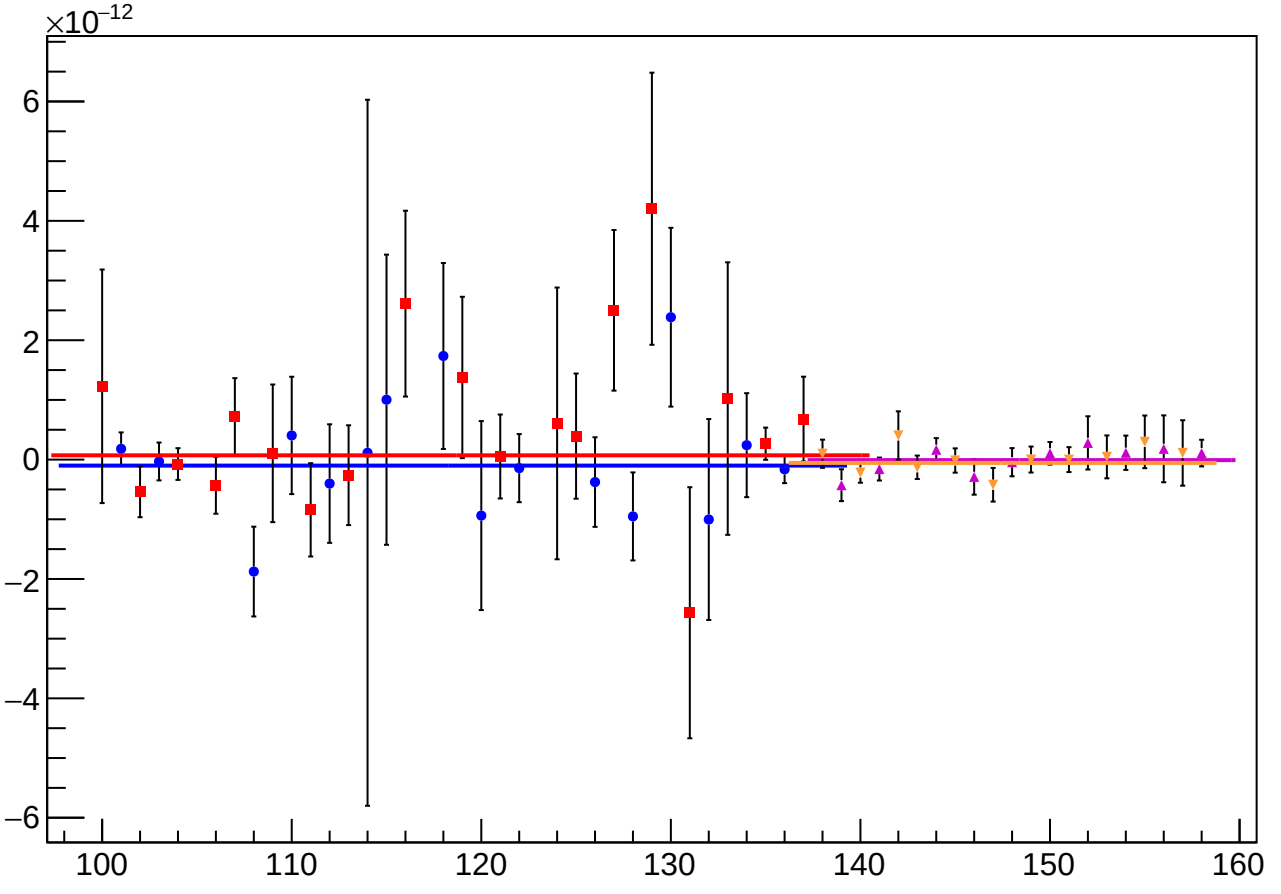
Left In: 8468.270+/-2.055 χ^2/NDF:386300.6/9

+ sign 8419.963+/-1.530 χ^2/NDF: 1299433.5/26

All: 8326.160+/-1.068 χ^2/NDF: 2735894.4/55

- sign 8236.927+/-1.492 χ^2/NDF: 1429124.0/28

asym_atr2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 13.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.4/10

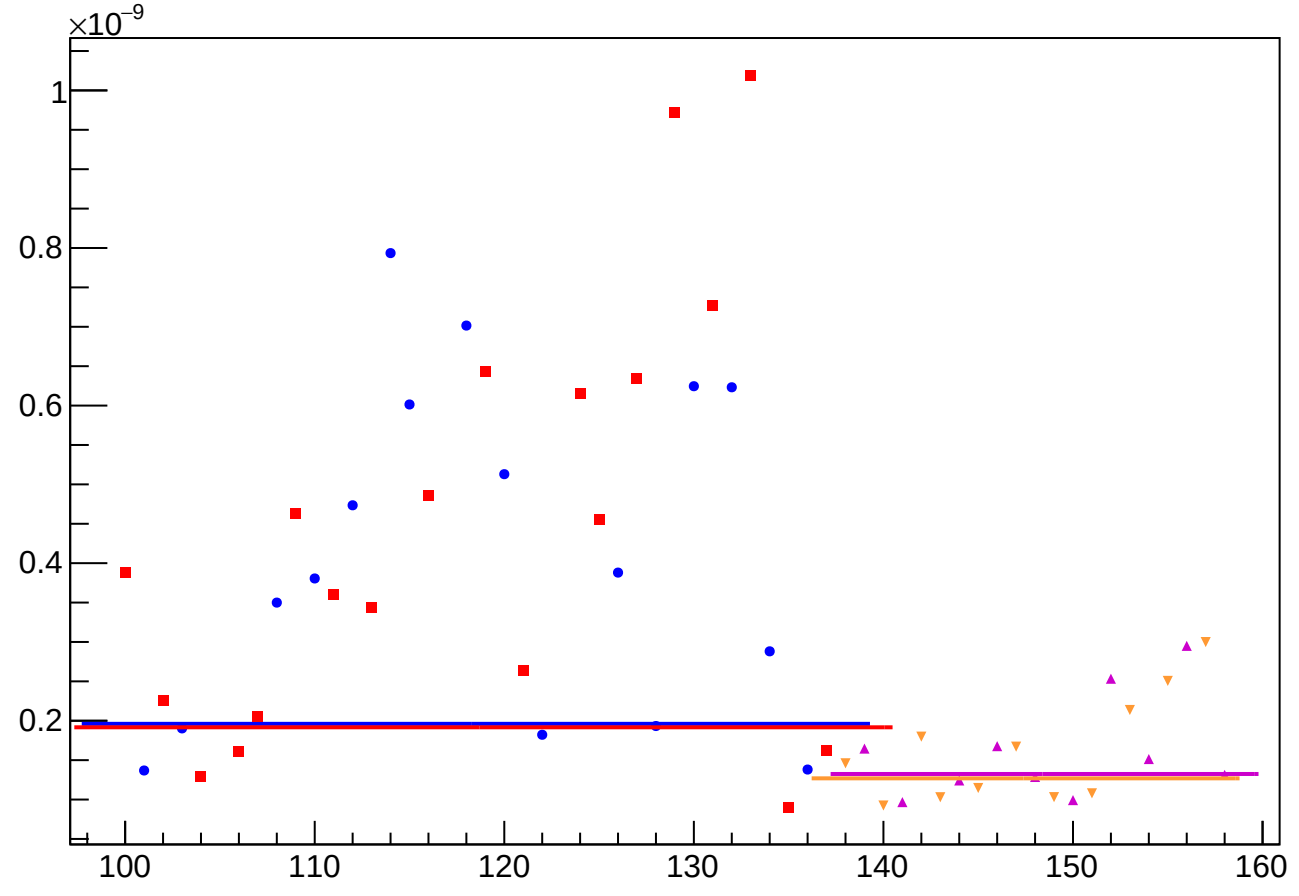
Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: -0.000+/-0.000 χ^2/NDF:6.1/9

+ sign -0.000+/-0.000 χ^2/NDF: 19.2/26

All: -0.000+/-0.000 χ^2/NDF: 45.8/55

- sign 0.000+/-0.000 χ^2/NDF: 26.0/28



Right In: 0.000+/-0.000 χ^2/NDF: 1342263.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:720894.7/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2066454.3/18

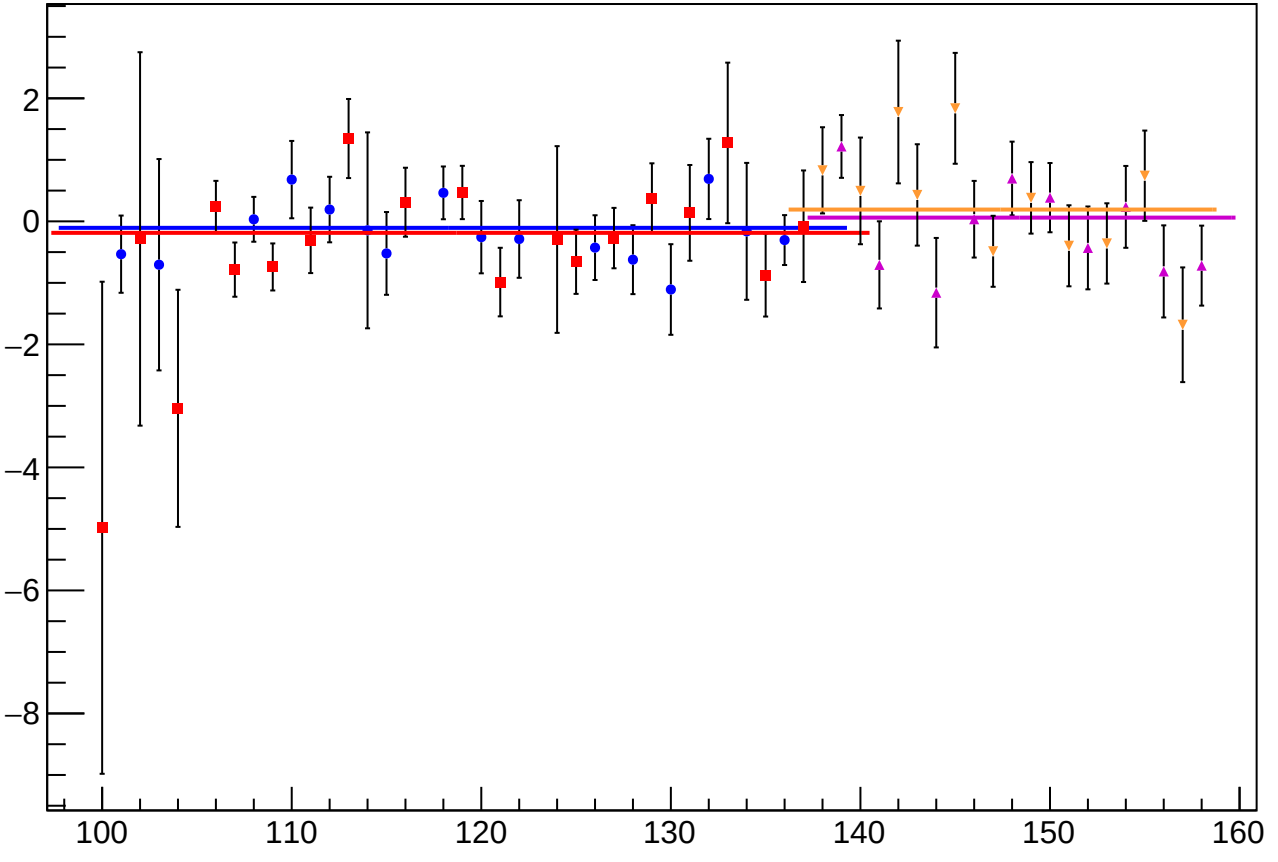
Left In: 0.000+/-0.000 χ^2/NDF:516161.7/9

+ sign 0.000+/-0.000 χ^2/NDF: 2469619.6/26

All: 0.000+/-0.000 χ^2/NDF: 5330466.7/55

- sign 0.000+/-0.000 χ^2/NDF: 2858140.0/28

asym_atr2_dit_vs_cor_diff_mean vs Slug



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.192+/-0.221 χ^2/NDF:13.8/10

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

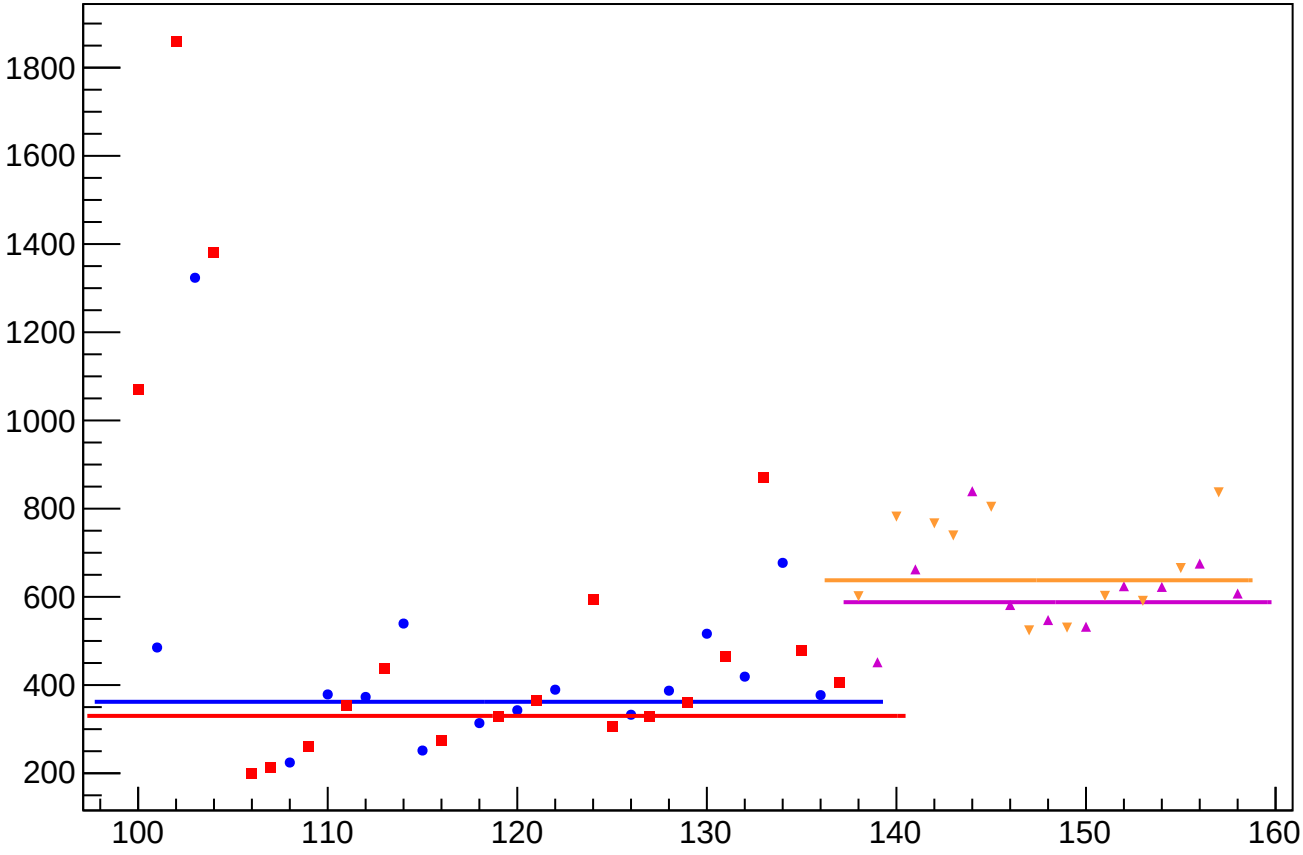
Left In: 0.061+/-0.203 χ^2/NDF:13.1/9

+ sign -0.016+/-0.121 χ^2/NDF: 24.8/26

All: -0.066+/-0.083 χ^2/NDF: 63.0/55

- sign -0.109+/-0.114 χ^2/NDF: 37.9/28

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 637.590+/-0.156 χ^2/NDF:440266.1/10

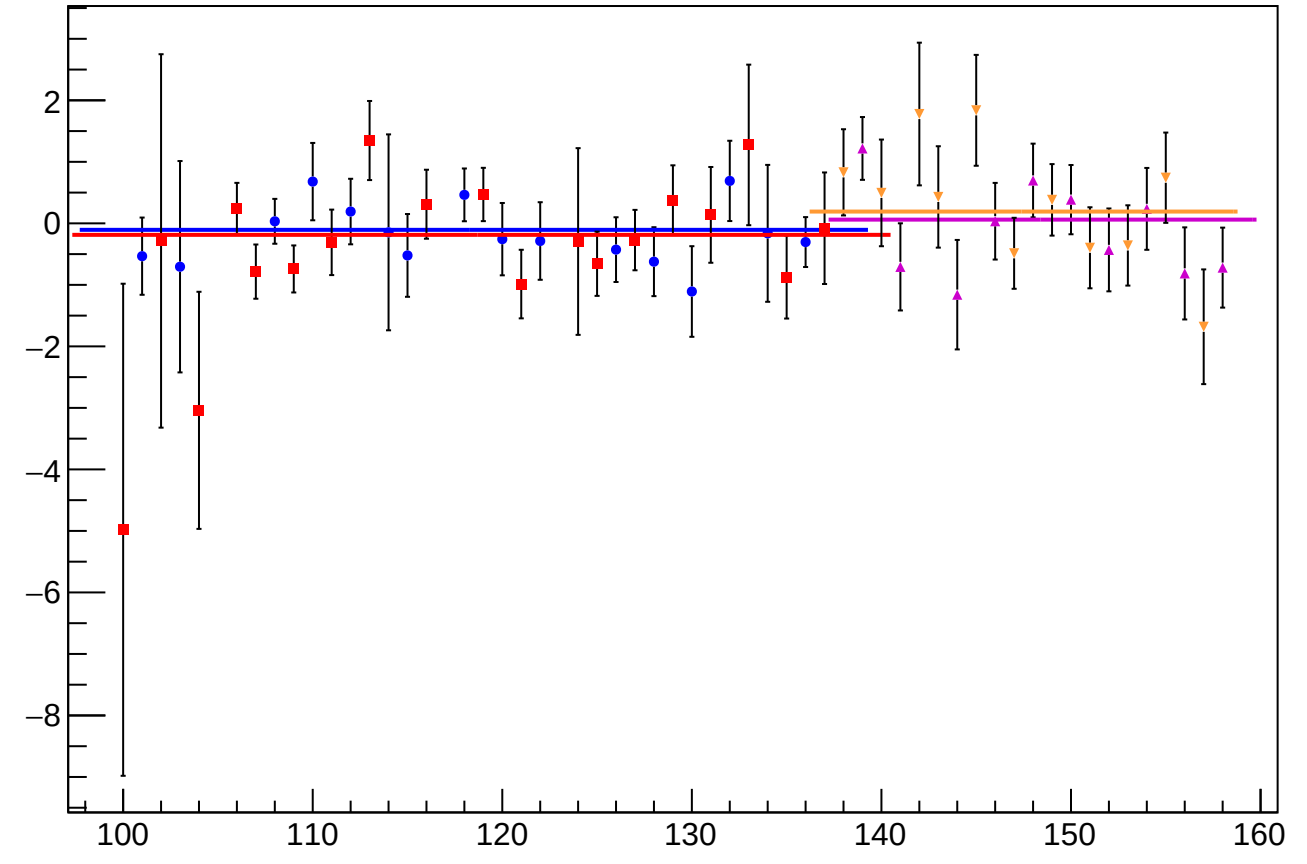
Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 587.918+/-0.144 χ^2/NDF:393671.3/9

+ sign 444.597+/-0.086 χ^2/NDF: 3991105.5/26

All: 426.766+/-0.059 χ^2/NDF: 8923078.6/55

- sign 411.010+/-0.080 χ^2/NDF: 4850276.0/28



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.192+/-0.221 χ^2/NDF:13.8/10

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

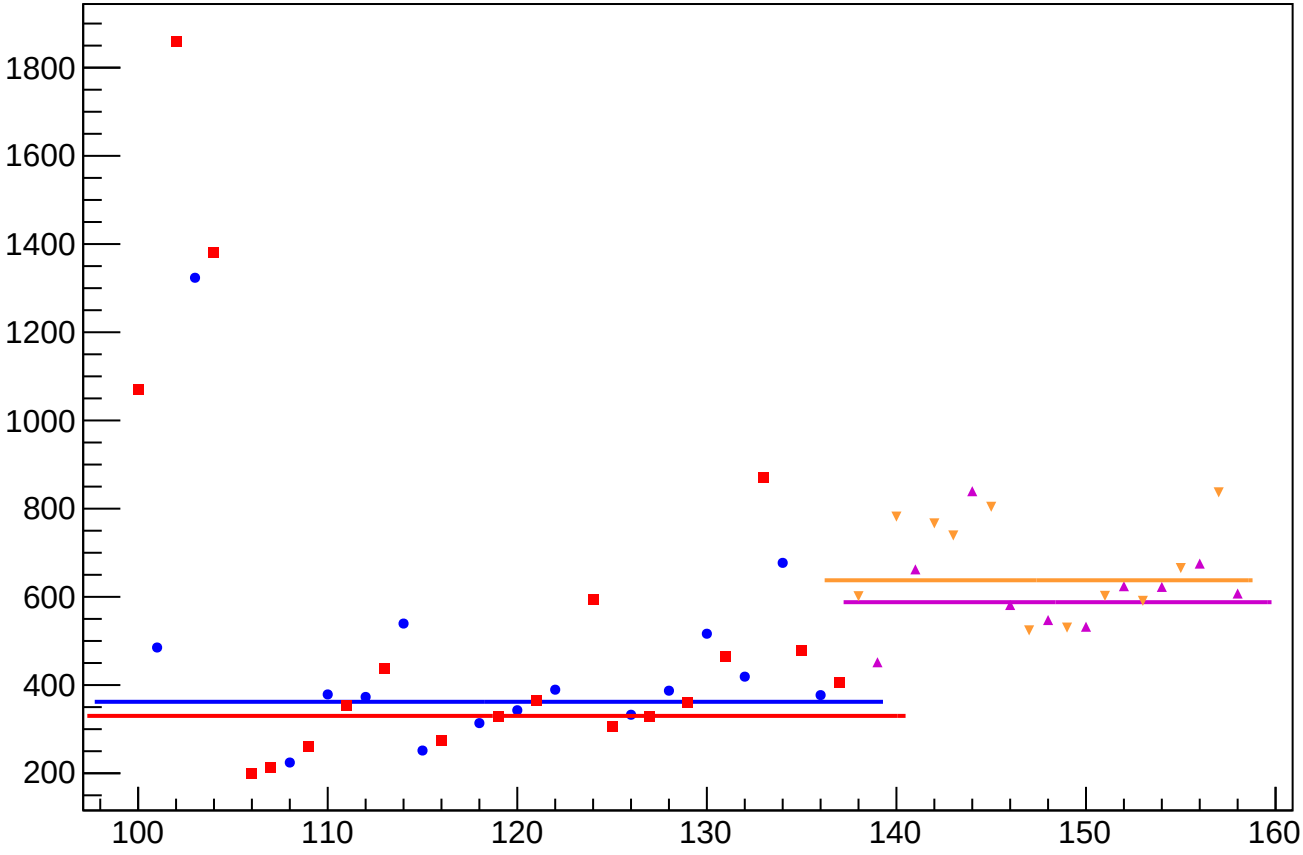
Left In: 0.061+/-0.203 χ^2/NDF:13.1/9

+ sign -0.016+/-0.121 χ^2/NDF: 24.8/26

All: -0.066+/-0.083 χ^2/NDF: 63.0/55

- sign -0.109+/-0.114 χ^2/NDF: 37.9/28

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 637.590+/-0.156 χ^2/NDF:440266.1/10

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

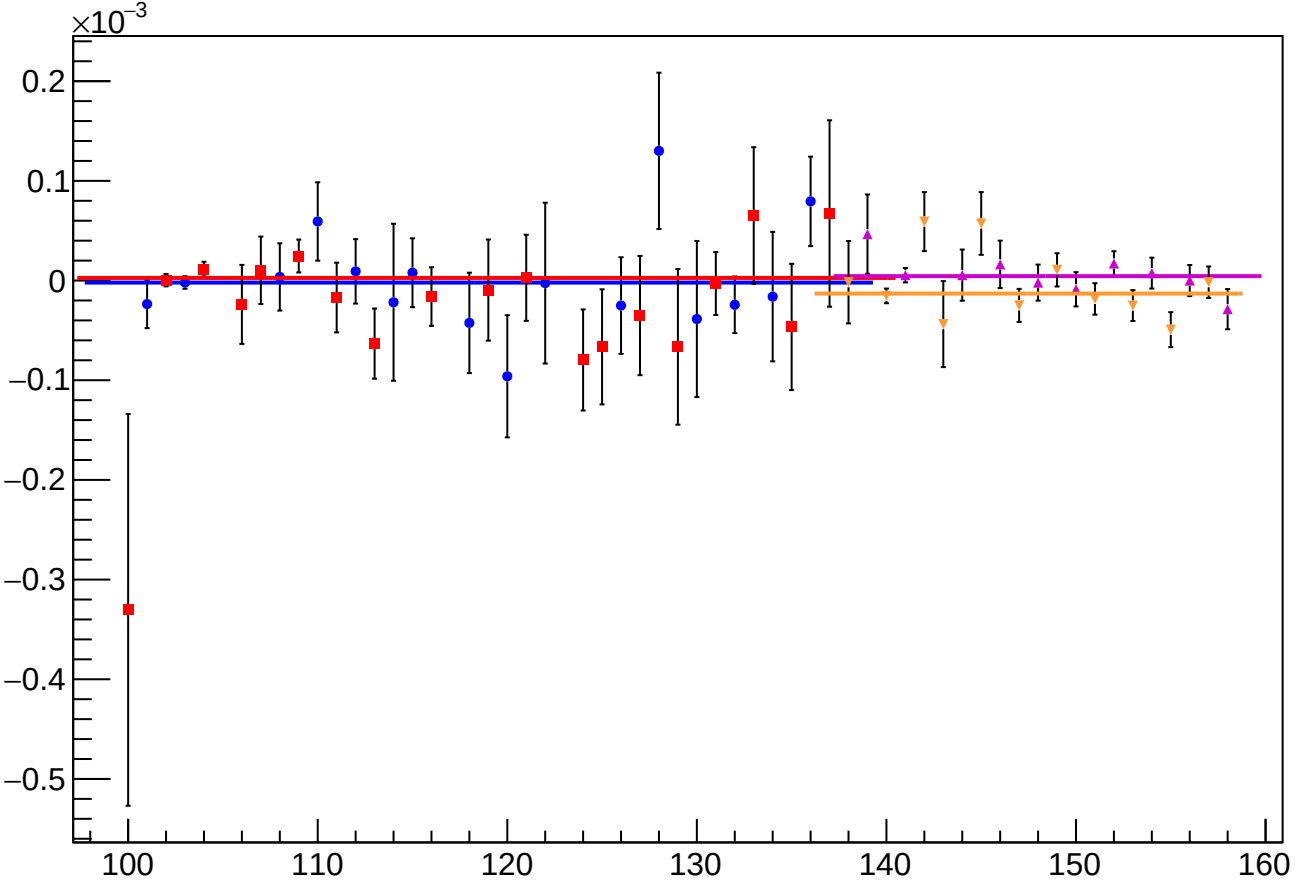
Left In: 587.918+/-0.144 χ^2/NDF:393671.3/9

+ sign 444.597+/-0.086 χ^2/NDF: 3991105.5/26

All: 426.766+/-0.059 χ^2/NDF: 8923078.6/55

- sign 411.010+/-0.080 χ^2/NDF: 4850276.0/28

asym_atr2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 13.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.7/10

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

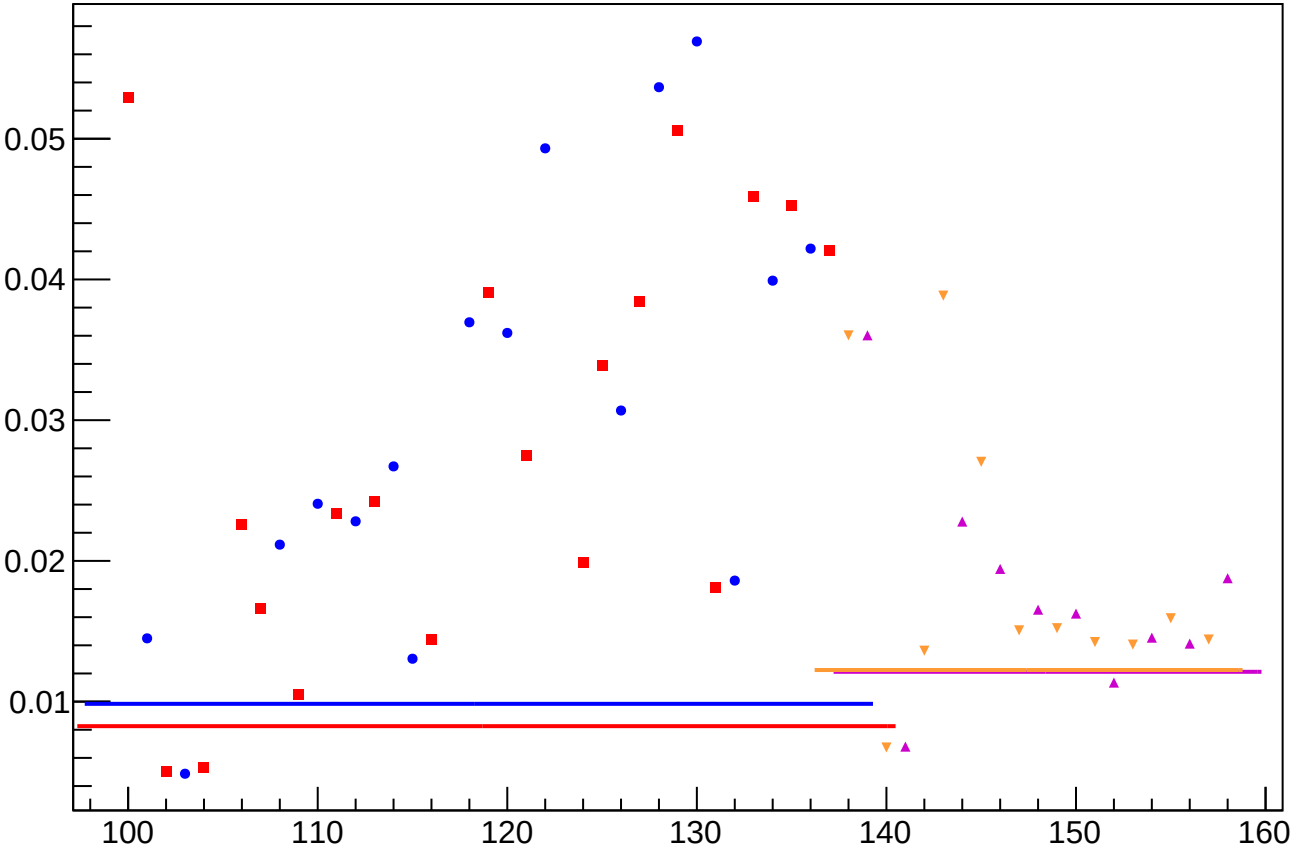
Left In: 0.000+/-0.000 χ^2/NDF:6.0/9

+ sign -0.000+/-0.000 χ^2/NDF: 35.8/26

All: -0.000+/-0.000 χ^2/NDF: 66.2/55

- sign 0.000+/-0.000 χ^2/NDF: 24.3/28

asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 7052383.3/15

Left Out: 0.012+/-0.000 χ^2/NDF:3299053.5/10

Right Out: 0.008+/-0.000 χ^2/NDF: 6740964.7/18

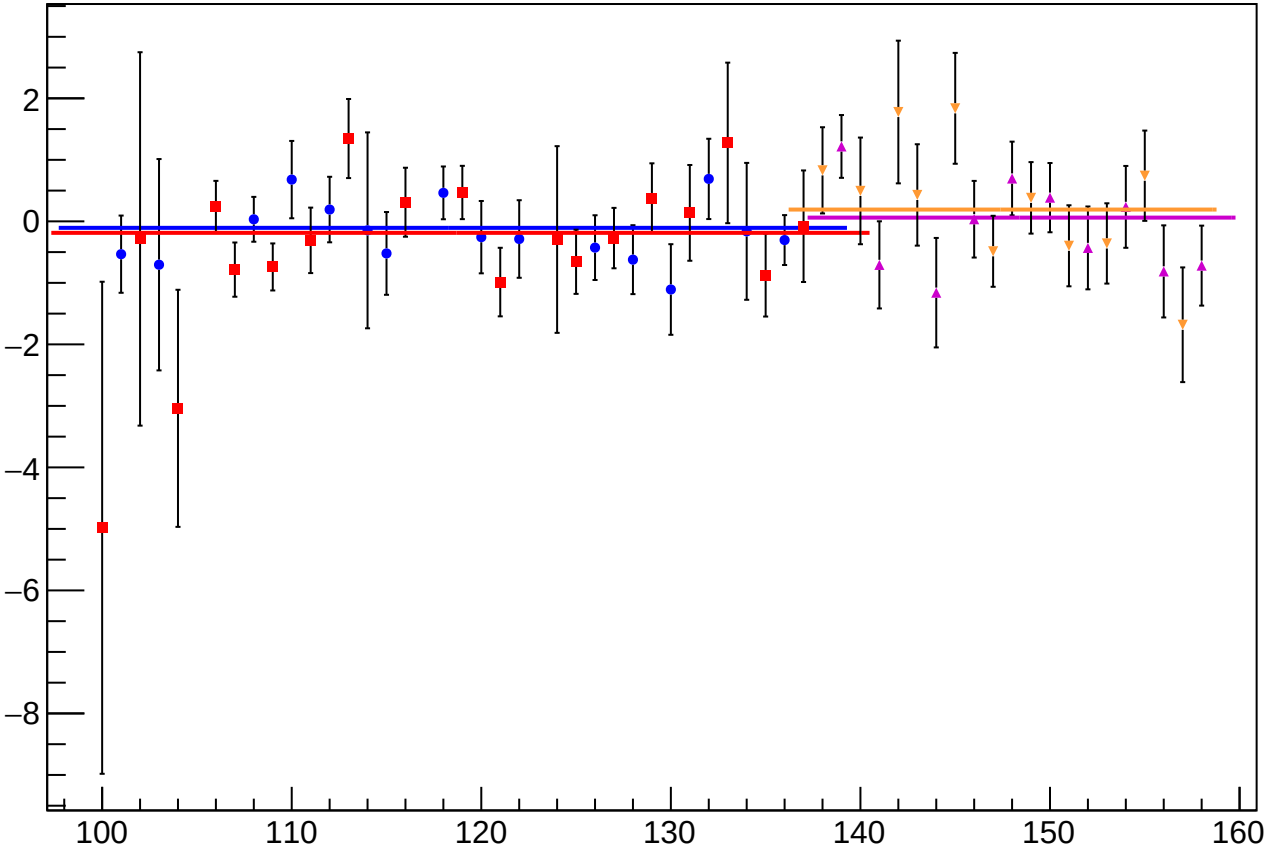
Left In: 0.012+/-0.000 χ^2/NDF:2878204.8/9

+ sign 0.011+/-0.000 χ^2/NDF: 10574655.2/26

All: 0.011+/-0.000 χ^2/NDF: 21080030.2/55

- sign 0.010+/-0.000 χ^2/NDF: 10379818.0/28

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.192+/-0.221 χ^2/NDF:13.8/10

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

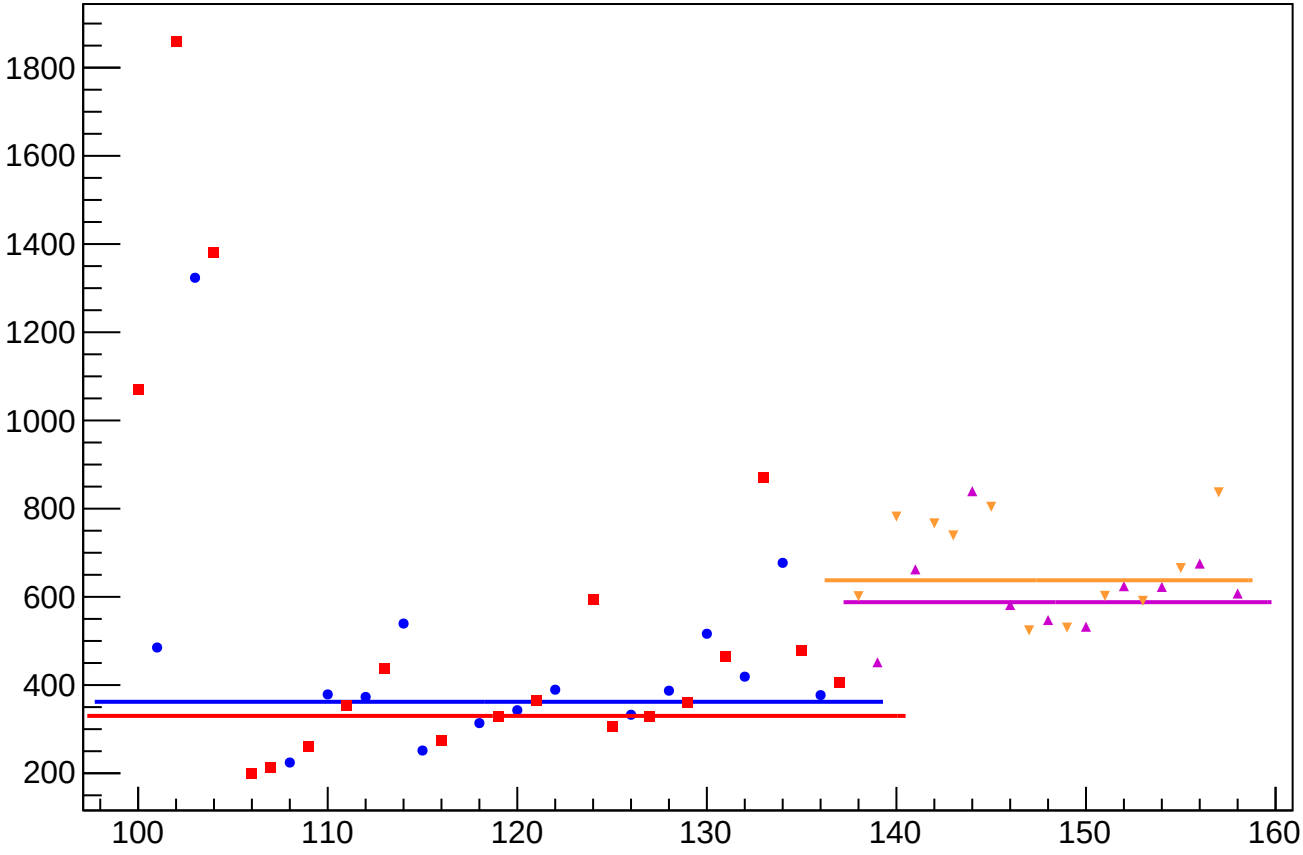
Left In: 0.061+/-0.203 χ^2/NDF:13.1/9

+ sign -0.016+/-0.121 χ^2/NDF: 24.8/26

All: -0.066+/-0.083 χ^2/NDF: 63.1/55

- sign -0.109+/-0.114 χ^2/NDF: 37.9/28

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 637.598+/-0.156 χ^2/NDF:440248.9/10

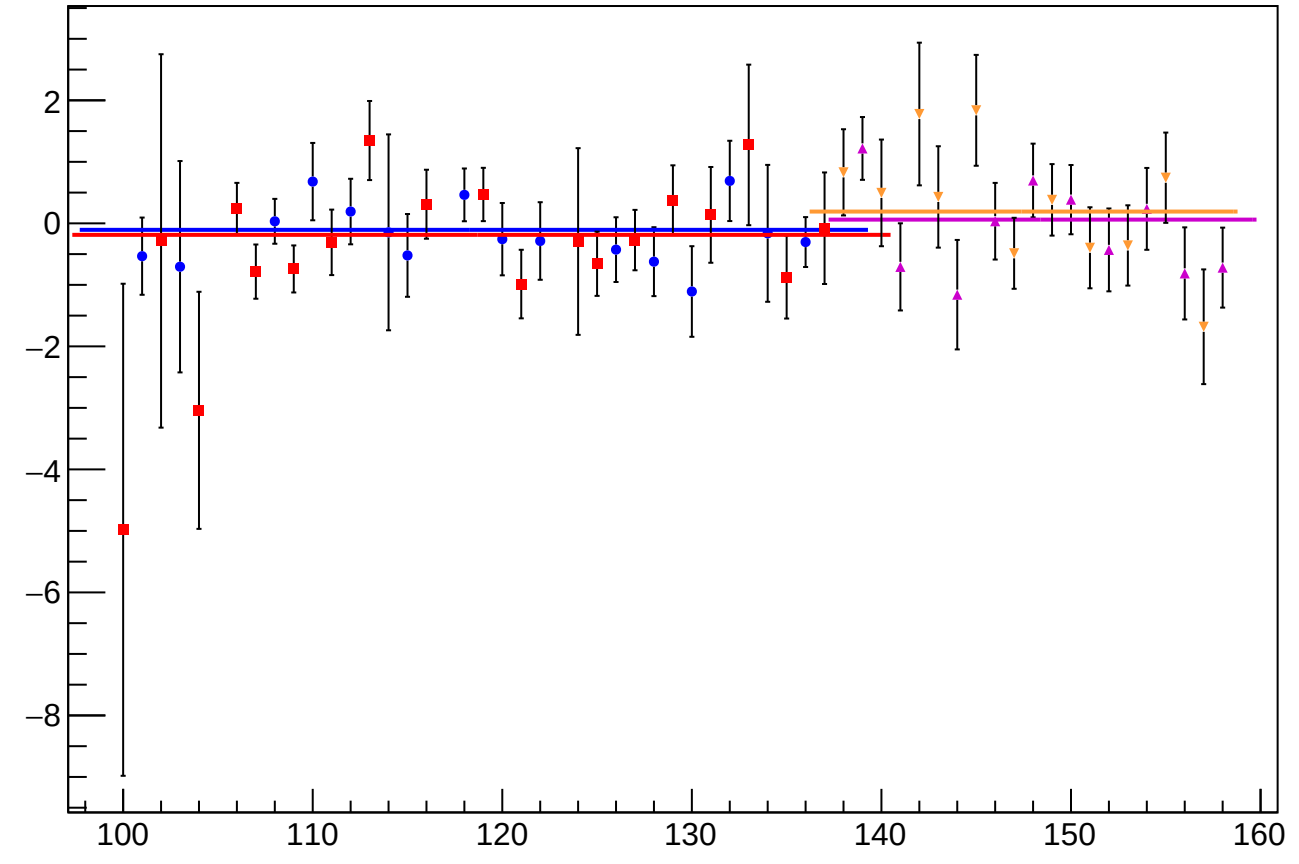
Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 587.926+/-0.144 χ^2/NDF:393646.1/9

+ sign 444.596+/-0.086 χ^2/NDF: 3991228.0/26

All: 426.765+/-0.059 χ^2/NDF: 8923284.2/55

- sign 411.010+/-0.080 χ^2/NDF: 4850365.7/28



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.192+/-0.221 χ^2/NDF:13.8/10

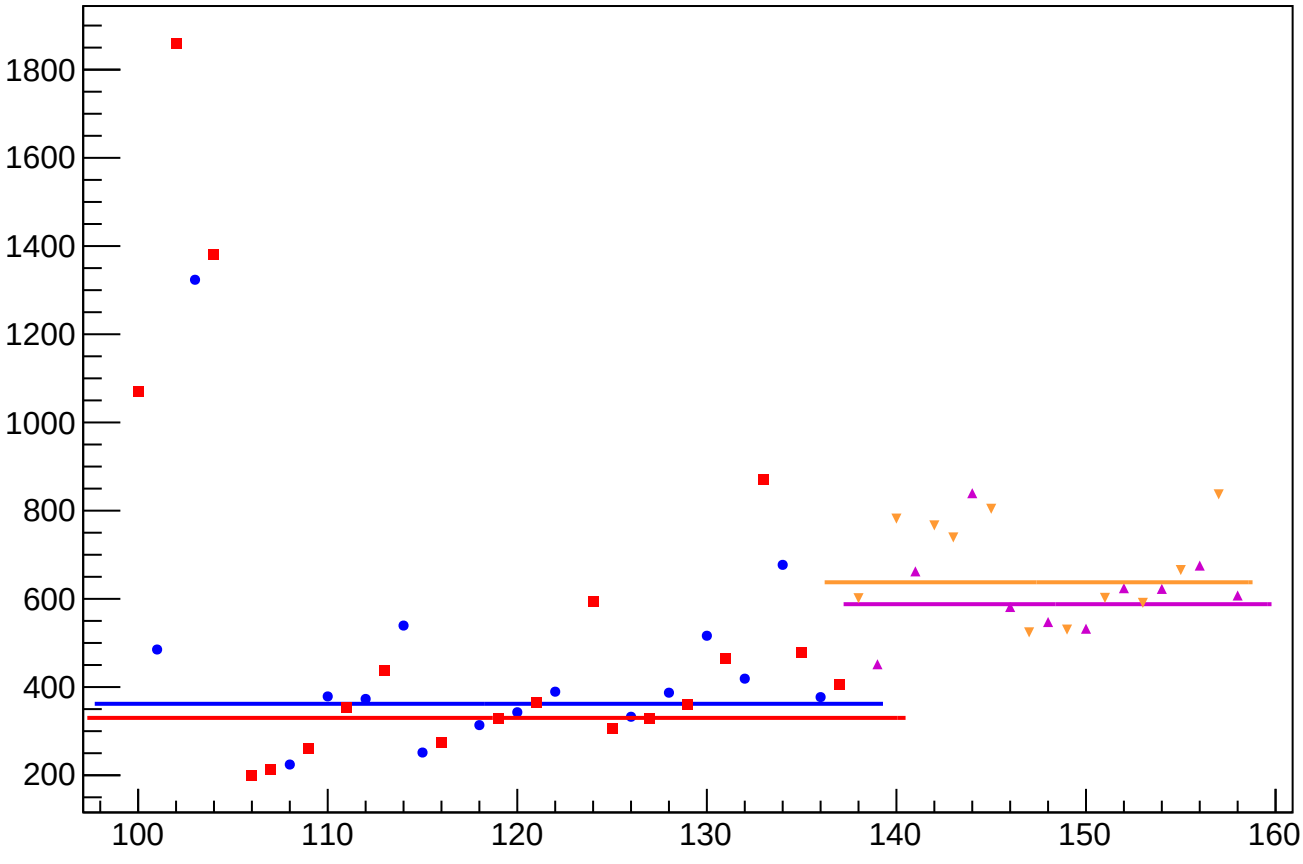
Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: 0.061+/-0.203 χ^2/NDF:13.1/9

+ sign -0.016+/-0.121 χ^2/NDF: 24.8/26

All: -0.066+/-0.083 χ^2/NDF: 63.1/55

- sign -0.109+/-0.114 χ^2/NDF: 37.9/28



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 637.598+/-0.156 χ^2/NDF:440248.9/10

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

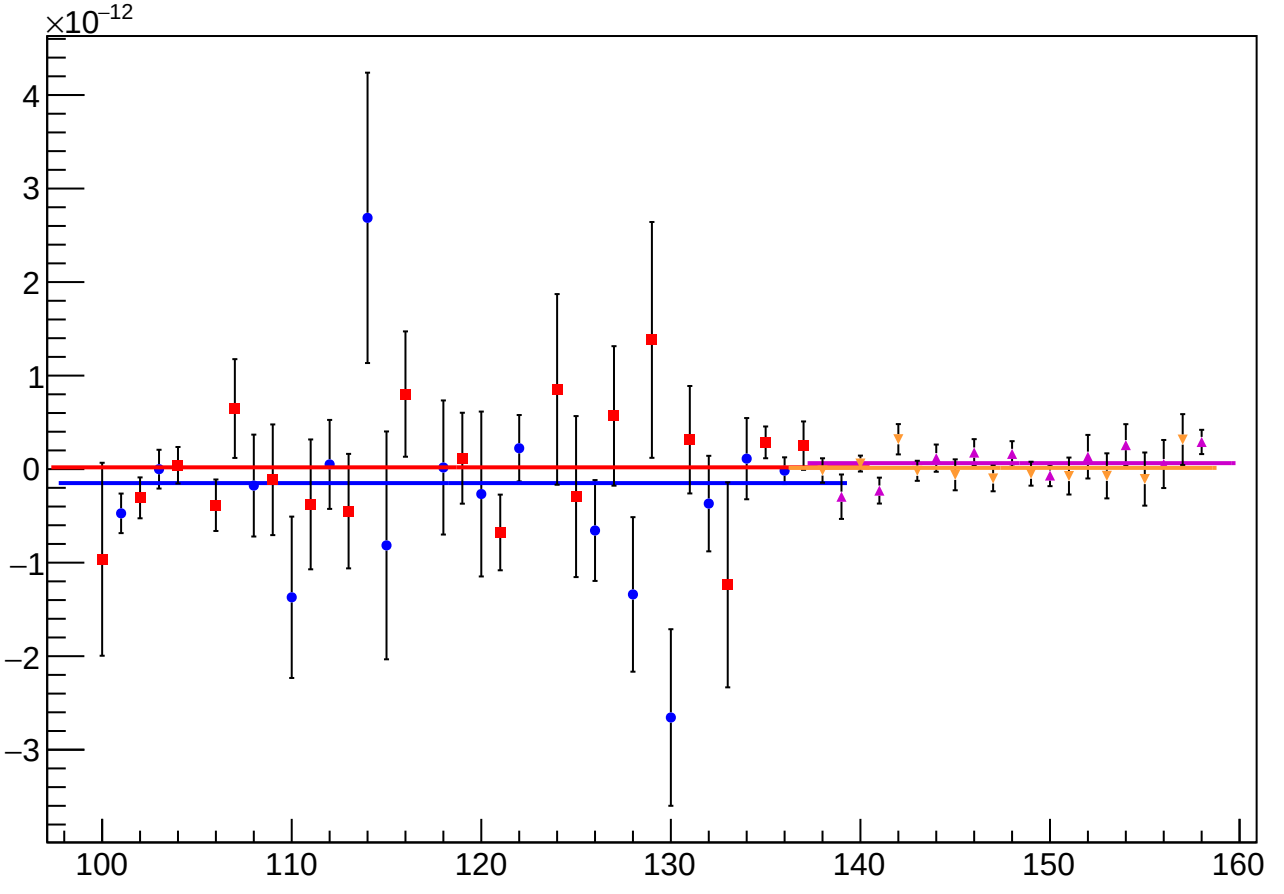
Left In: 587.926+/-0.144 χ^2/NDF:393646.1/9

+ sign 444.596+/-0.086 χ^2/NDF: 3991228.0/26

All: 426.765+/-0.059 χ^2/NDF: 8923284.2/55

- sign 411.010+/-0.080 χ^2/NDF: 4850365.7/28

asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 21.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.8/10

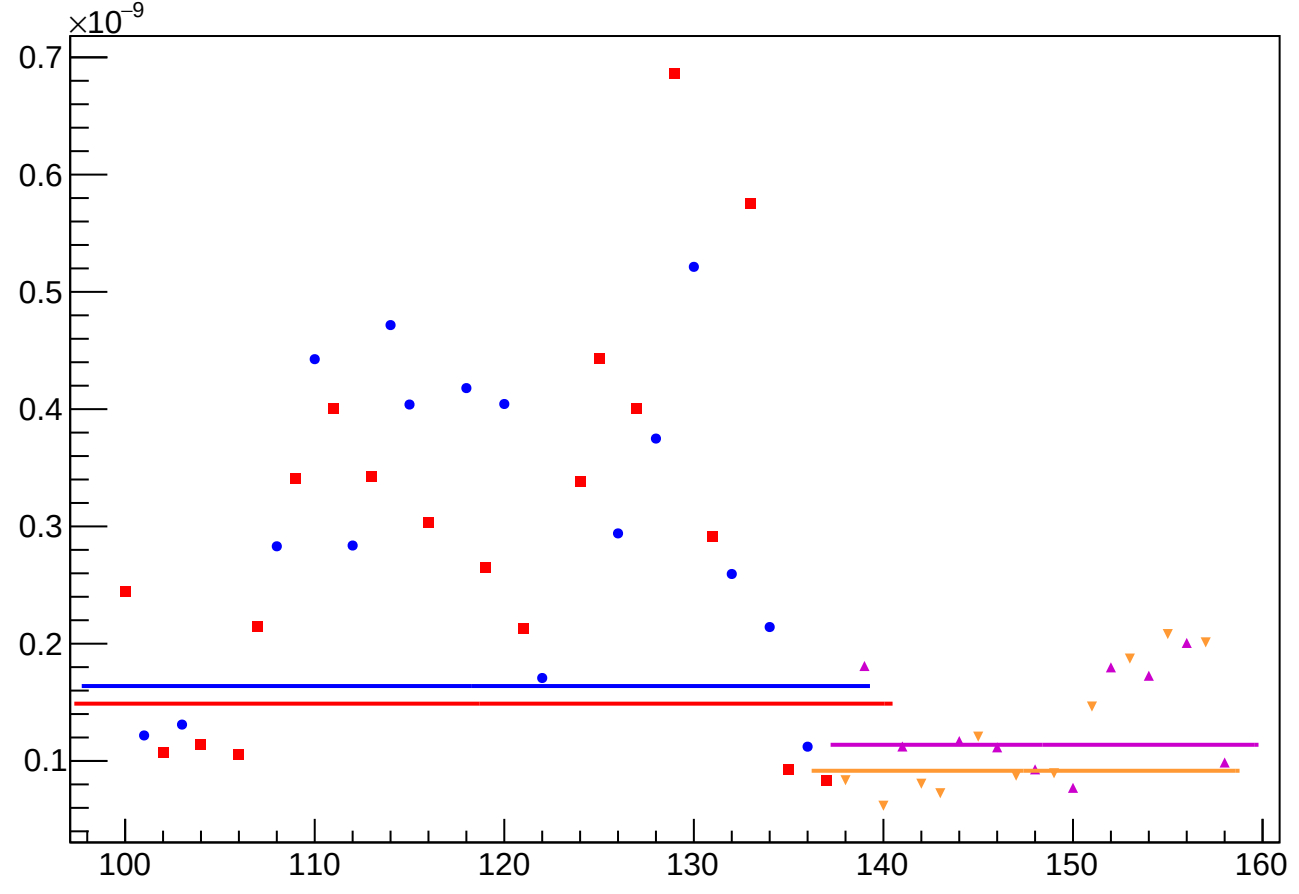
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:13.3/9

+ sign -0.000+/-0.000 χ^2/NDF: 30.9/26

All: 0.000+/-0.000 χ^2/NDF: 65.4/55

- sign 0.000+/-0.000 χ^2/NDF: 32.9/28



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1519310.9/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2846265.5/18

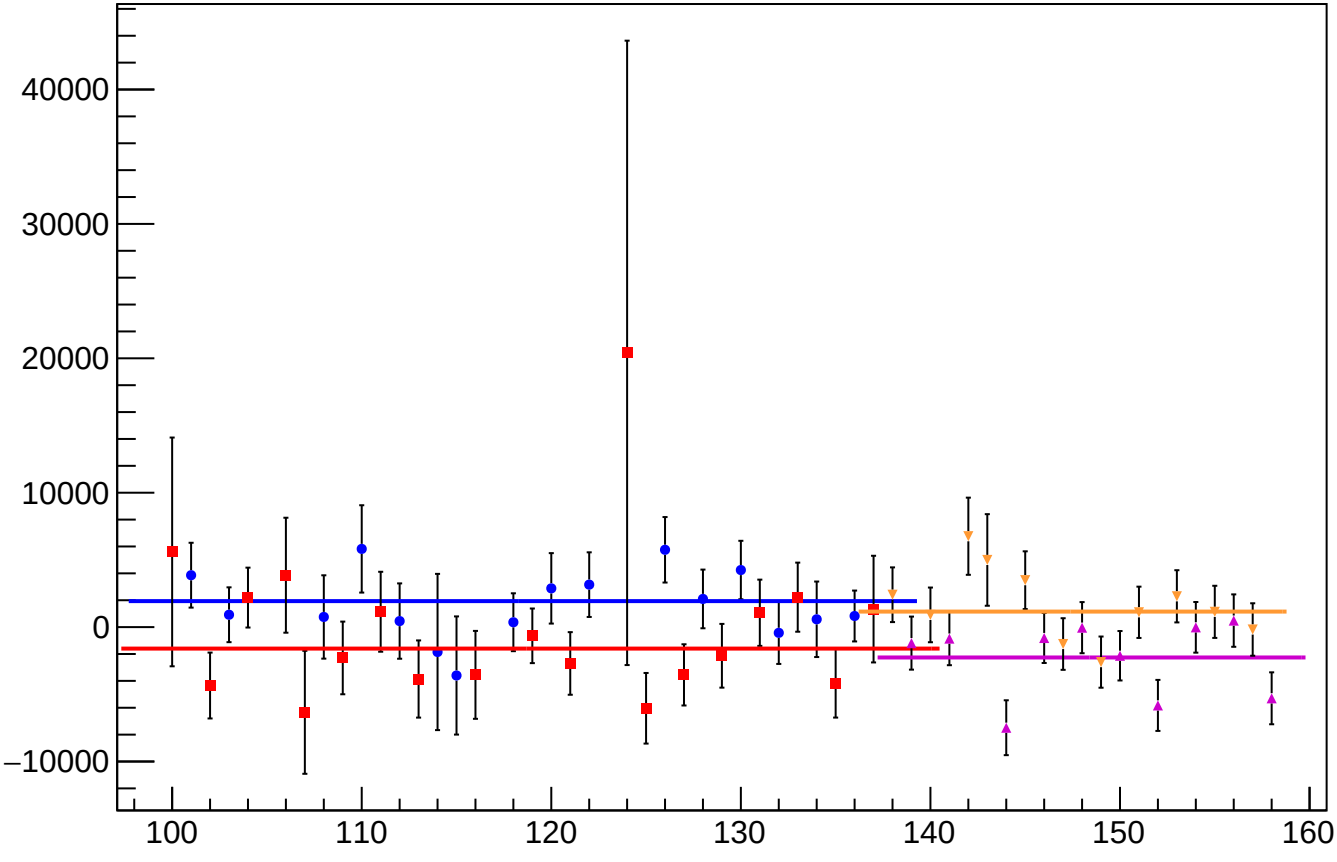
Left In: 0.000+/-0.000 χ^2/NDF:971864.1/9

+ sign 0.000+/-0.000 χ^2/NDF: 4633363.1/26

All: 0.000+/-0.000 χ^2/NDF: 8891129.3/55

- sign 0.000+/-0.000 χ^2/NDF: 4079380.9/28

reg_asym_atl_avg_mean vs Slug



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1155.436+/-629.619 χ^2/NDF:13.0/10

Right Out: -1597.959+/-642.207 χ^2/NDF: 19.4/18

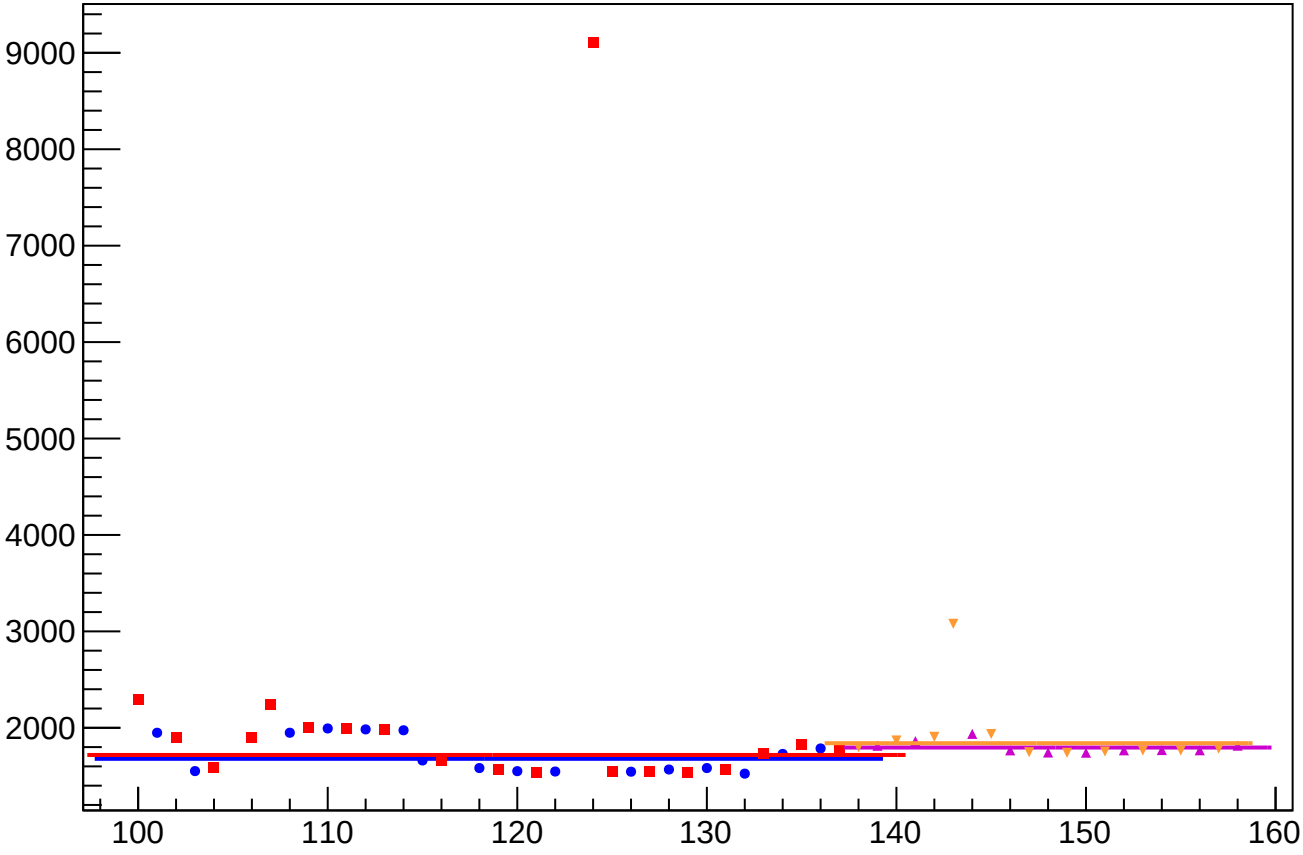
Left In: -2259.345+/-608.193 χ^2/NDF:18.7/9

+ sign 1546.177+/-444.590 χ^2/NDF: 24.6/26

All: -212.039+/-313.307 χ^2/NDF: 94.4/55

- sign -1946.630+/-441.593 χ^2/NDF: 38.7/28

reg_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1840.419+/-0.445 χ^2/NDF:292405.8/10

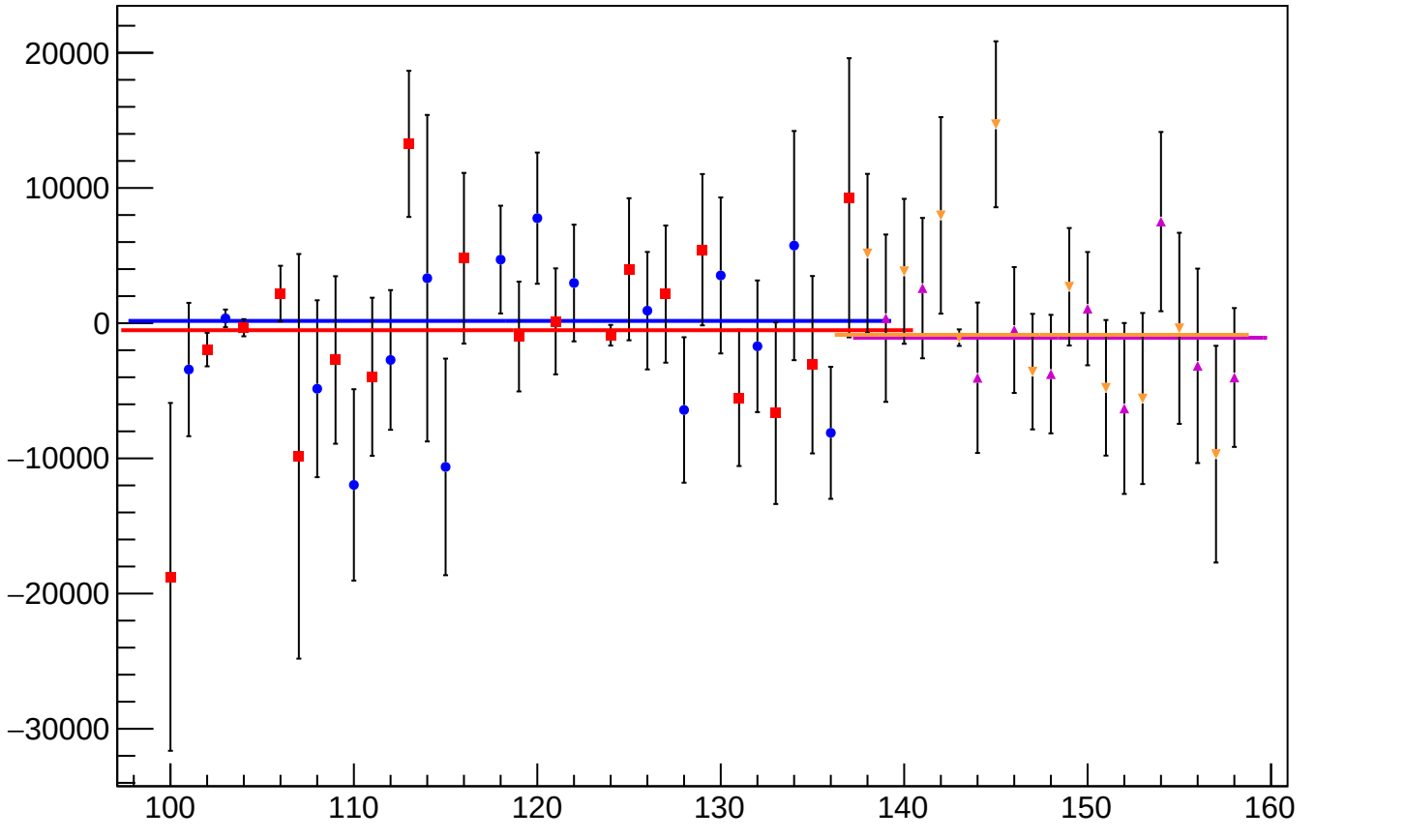
Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

Left In: 1795.381+/-0.430 χ^2/NDF:17182.8/9

+ sign 1759.256+/-0.314 χ^2/NDF: 500172.9/26

All: 1759.006+/-0.221 χ^2/NDF: 915796.6/55

- sign 1758.760+/-0.312 χ^2/NDF: 415622.5/28



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -862.554+/-577.233 χ^2/NDF:13.3/10

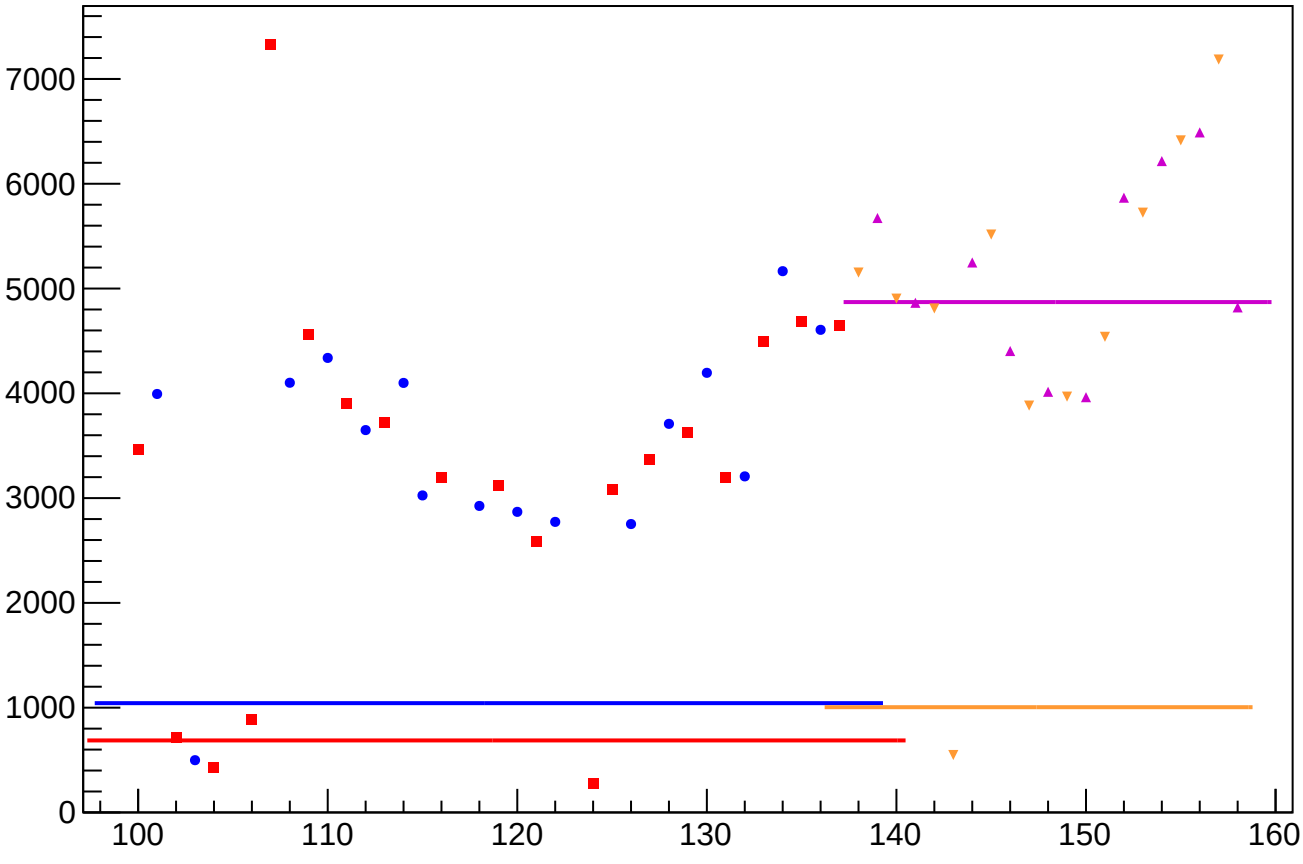
Right Out: -521.080+/-424.783 χ^2/NDF: 18.5/18

Left In: -1077.326+/-1676.613 χ^2/NDF:4.3/9

+ sign -359.811+/-413.153 χ^2/NDF: 30.7/26

All: -457.548+/-291.654 χ^2/NDF: 53.7/55

- sign -554.632+/-411.772 χ^2/NDF: 22.9/28



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 1004.527+/-0.408 χ^2/NDF:11104229.8/10

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

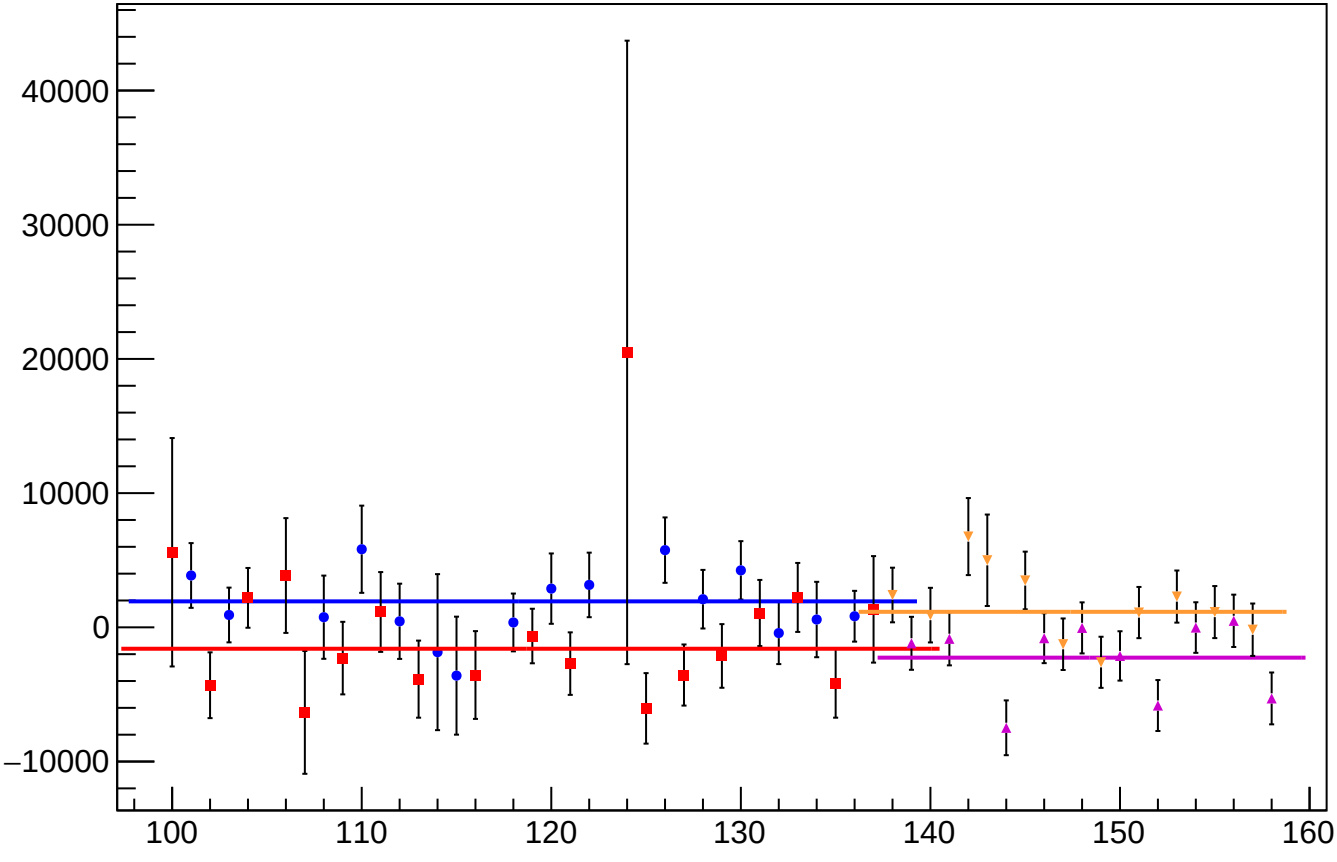
Left In: 4870.840+/-1.186 χ^2/NDF:466835.4/9

+ sign 1023.348+/-0.292 χ^2/NDF: 19220486.8/26

All: 981.369+/-0.206 χ^2/NDF: 40061106.9/55

- sign 939.671+/-0.291 χ^2/NDF: 20799463.9/28

cor_asym_atl_avg_mean vs Slug



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1155.437+/-629.619 χ^2/NDF:13.0/10

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

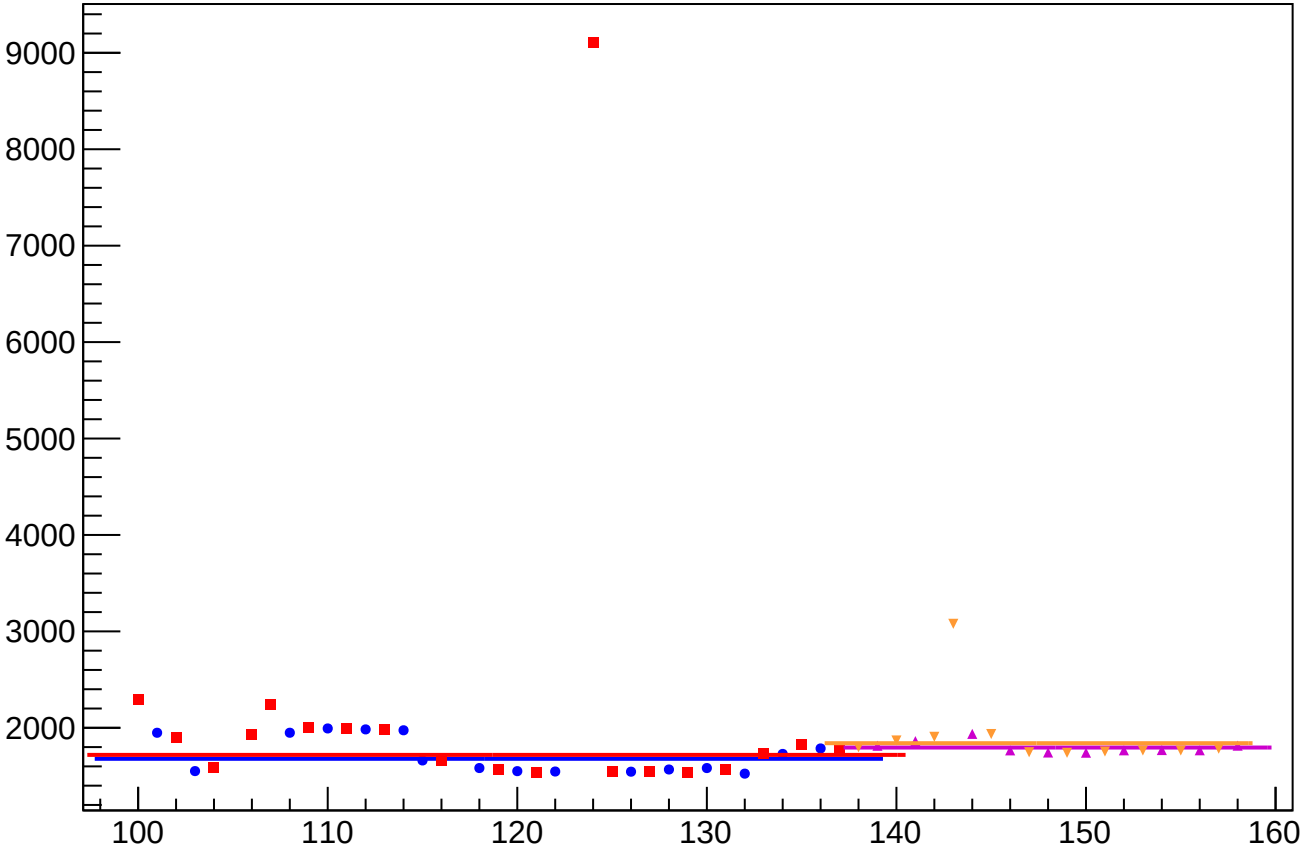
Left In: -2259.524+/-608.193 χ^2/NDF:18.7/9

+ sign 1546.235+/-444.590 χ^2/NDF: 24.6/26

All: -211.471+/-313.308 χ^2/NDF: 94.3/55

- sign -1945.574+/-441.594 χ^2/NDF: 38.7/28

cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1840.419+/-0.445 χ^2/NDF:292405.8/10

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

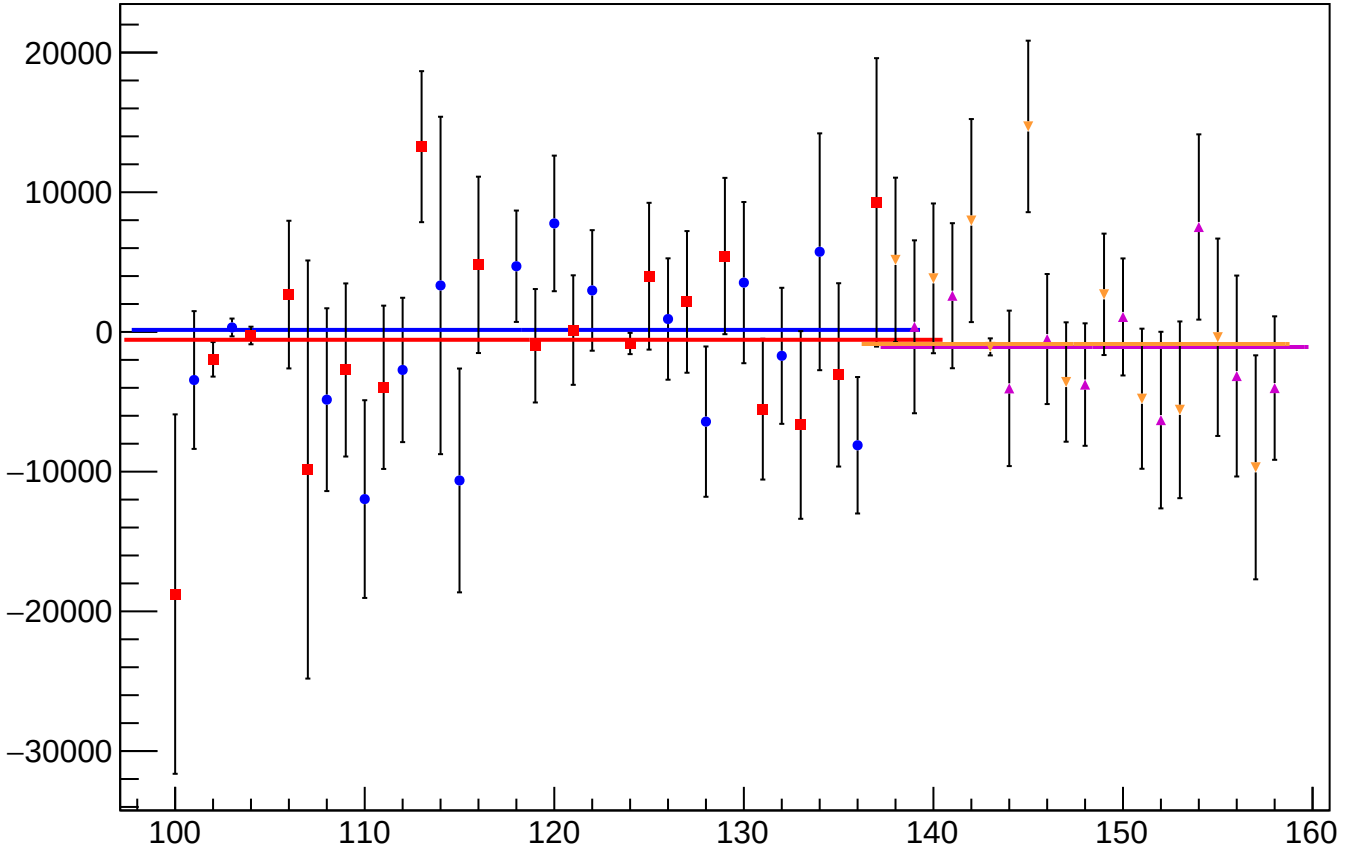
Left In: 1795.381+/-0.430 χ^2/NDF:17182.8/9

+ sign 1759.256+/-0.314 χ^2/NDF: 500173.0/26

All: 1759.215+/-0.221 χ^2/NDF: 917202.3/55

- sign 1759.175+/-0.312 χ^2/NDF: 417029.2/28

asym_atl_avg_cor_correction_mean vs Slug



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -862.210+/-577.211 χ^2/NDF:13.3/10

Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

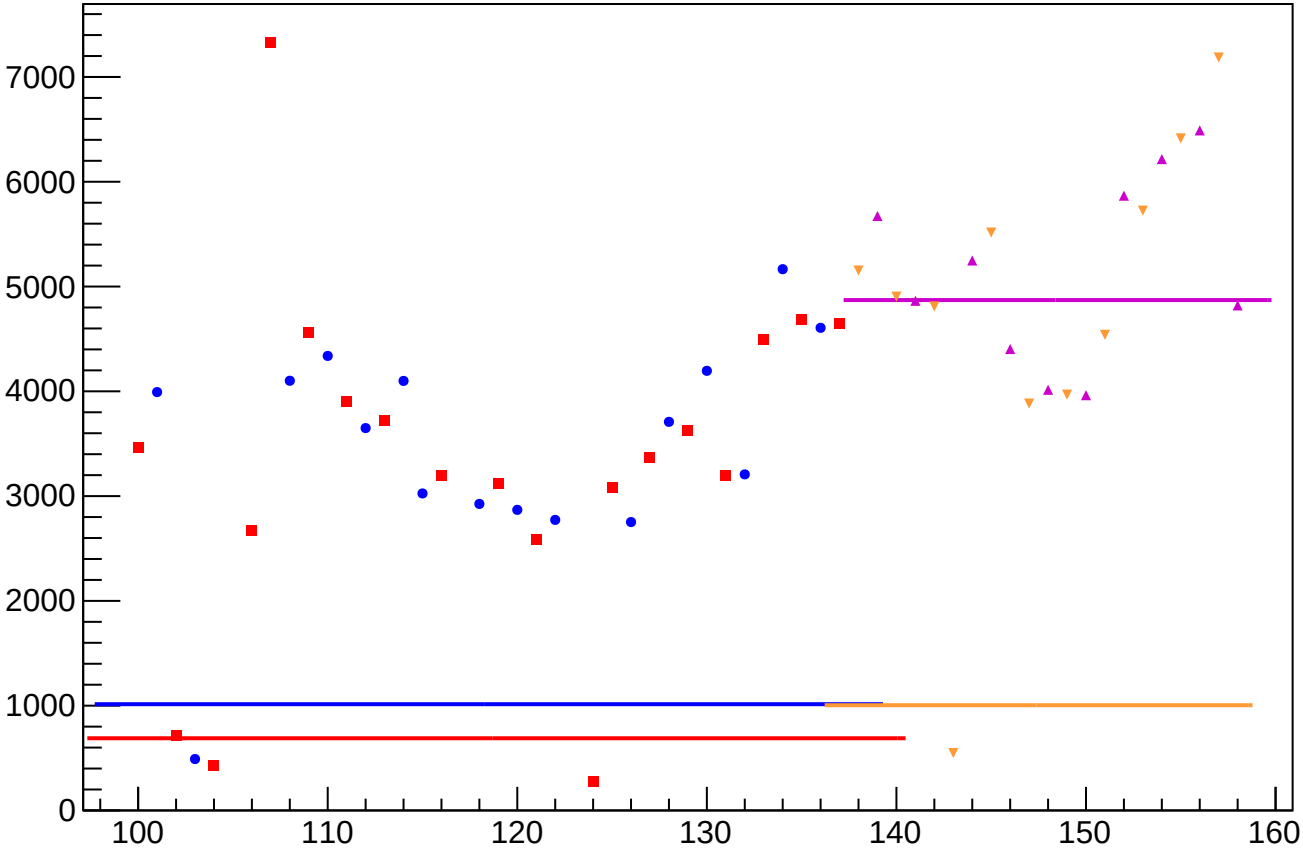
Left In: -1077.461+/-1676.611 χ^2/NDF:4.3/9

+ sign -359.702+/-408.906 χ^2/NDF: 30.6/26

All: -474.231+/-291.989 χ^2/NDF: 52.4/55

- sign -593.387+/-417.084 χ^2/NDF: 21.6/28

asym_atl_avg_cor_correction_rms vs Slug



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1004.474+/-0.408 χ^2/NDF:11104437.0/10

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

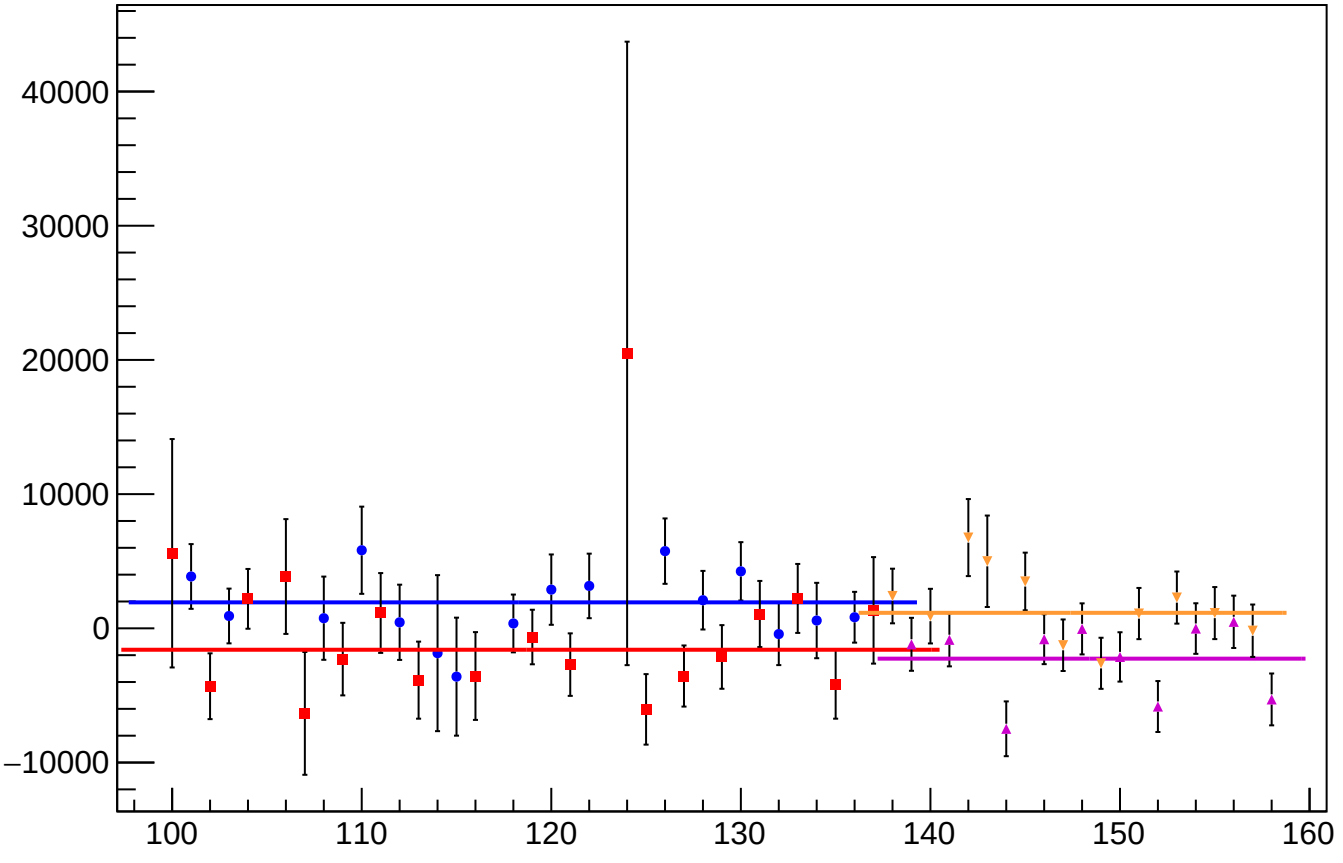
Left In: 4870.832+/-1.186 χ^2/NDF:466846.1/9

+ sign 1009.266+/-0.289 χ^2/NDF: 19327731.4/26

All: 979.162+/-0.206 χ^2/NDF: 40399007.2/55

- sign 947.842+/-0.295 χ^2/NDF: 21049157.8/28

eigen_cor_asym_atl_avg_mean vs Slug



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1155.437+/-629.619 χ^2/NDF:13.0/10

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

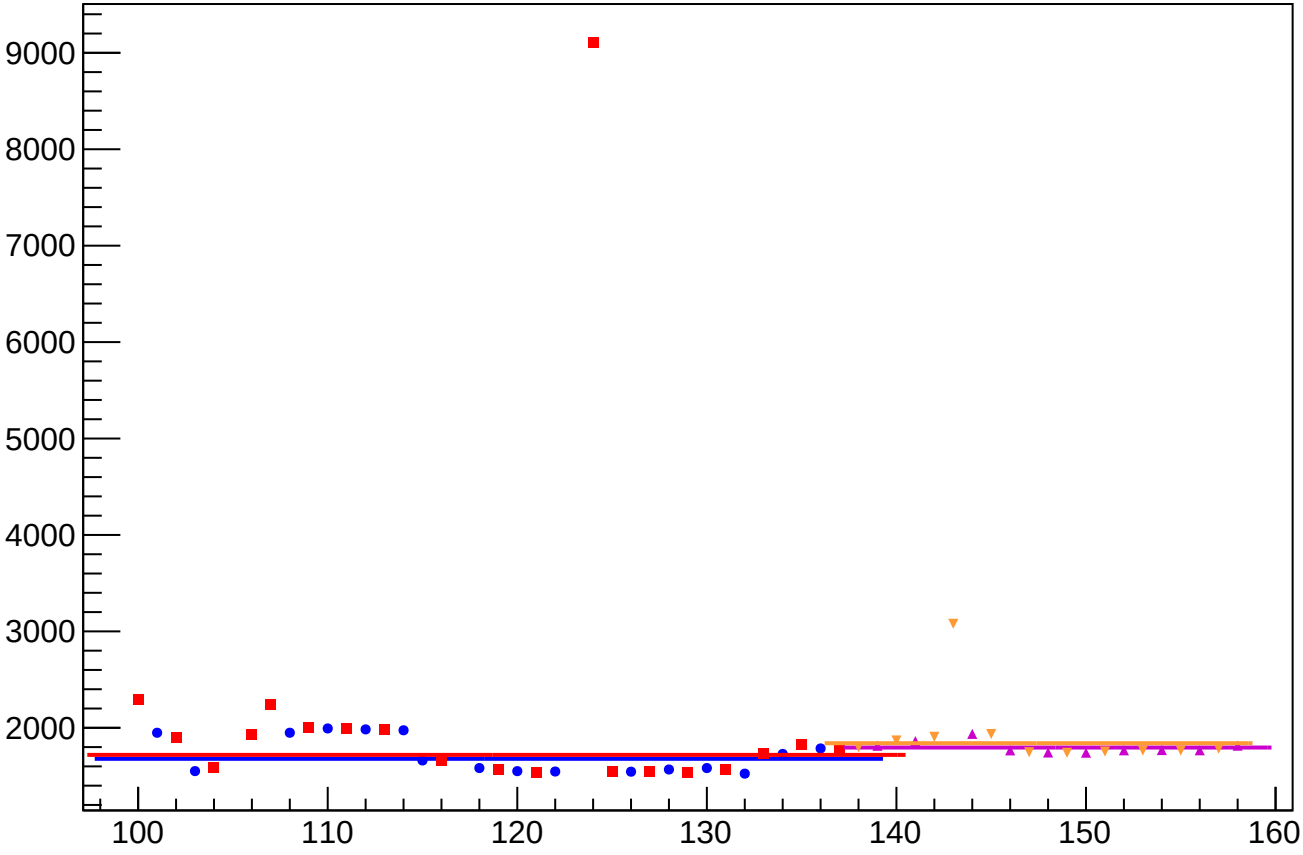
Left In: -2259.524+/-608.193 χ^2/NDF:18.7/9

+ sign 1546.235+/-444.590 χ^2/NDF: 24.6/26

All: -211.471+/-313.308 χ^2/NDF: 94.3/55

- sign -1945.574+/-441.594 χ^2/NDF: 38.7/28

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1840.419+/-0.445 χ^2/NDF:292405.8/10

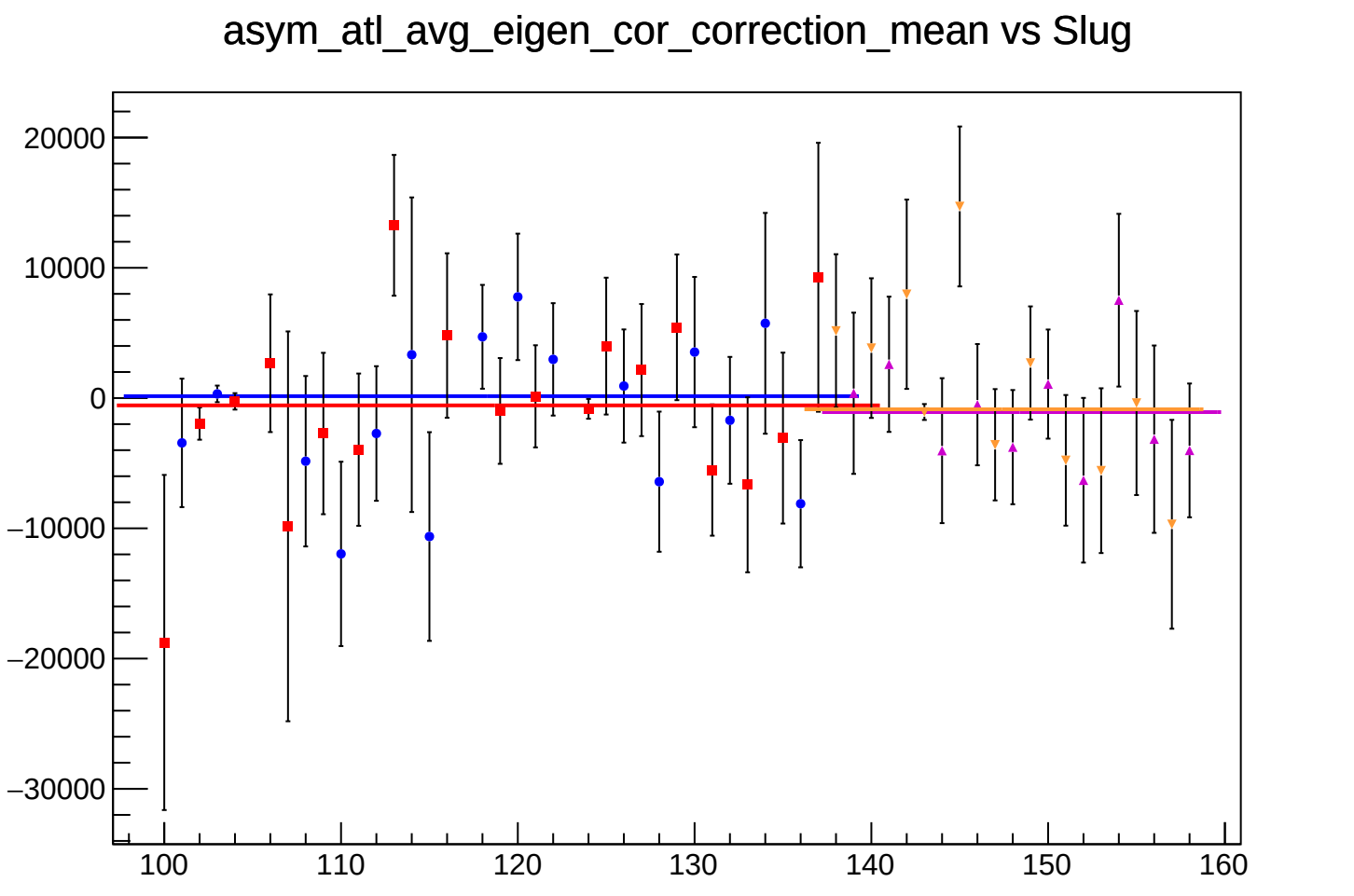
Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1795.381+/-0.430 χ^2/NDF:17182.8/9

+ sign 1759.256+/-0.314 χ^2/NDF: 500173.0/26

All: 1759.215+/-0.221 χ^2/NDF: 917202.3/55

- sign 1759.175+/-0.312 χ^2/NDF: 417029.2/28



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -862.210+/-577.211 χ^2/NDF:13.3/10

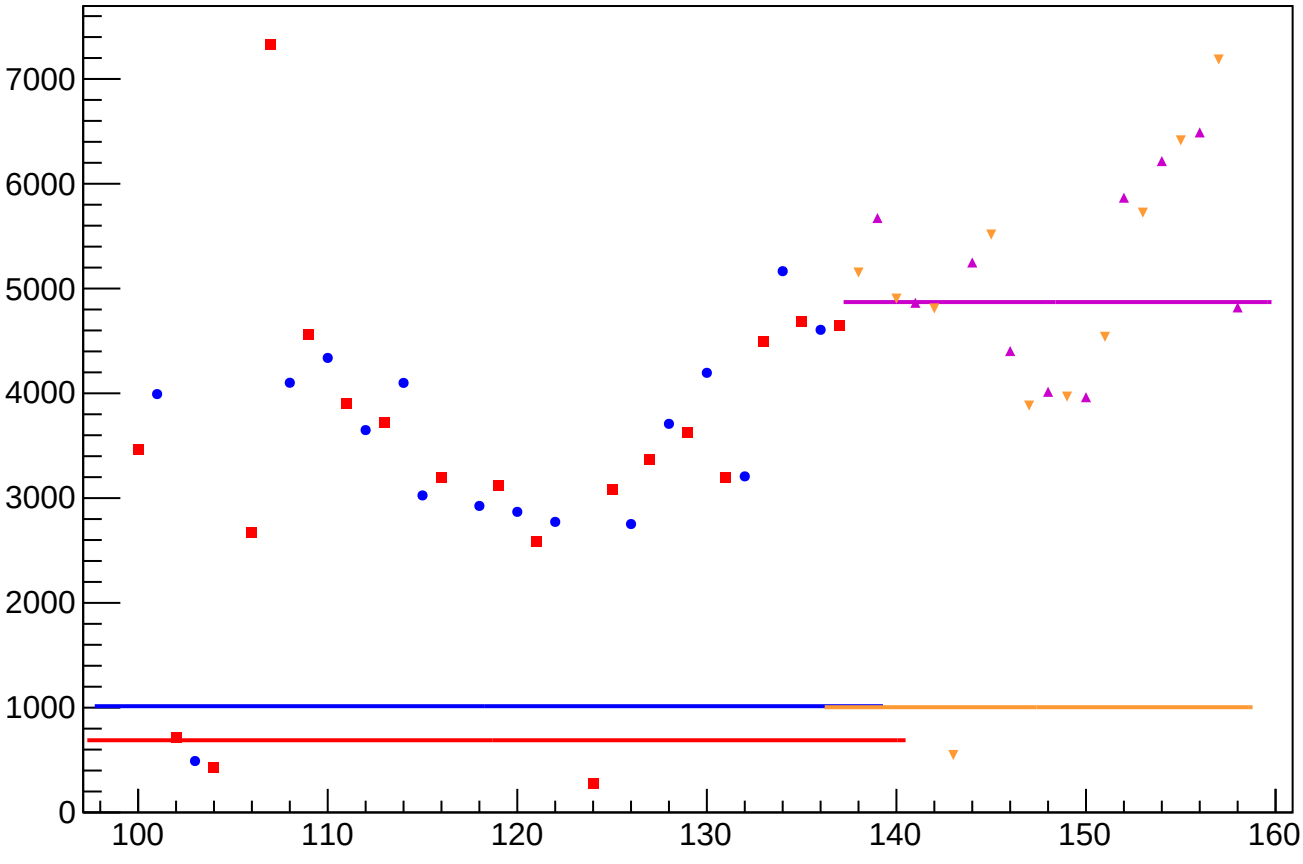
Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: -1077.461+/-1676.611 χ^2/NDF:4.3/9

+ sign -359.702+/-408.906 χ^2/NDF: 30.6/26

All: -474.231+/-291.989 χ^2/NDF: 52.4/55

- sign -593.387+/-417.084 χ^2/NDF: 21.6/28



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1004.474+/-0.408 χ^2/NDF:11104437.0/10

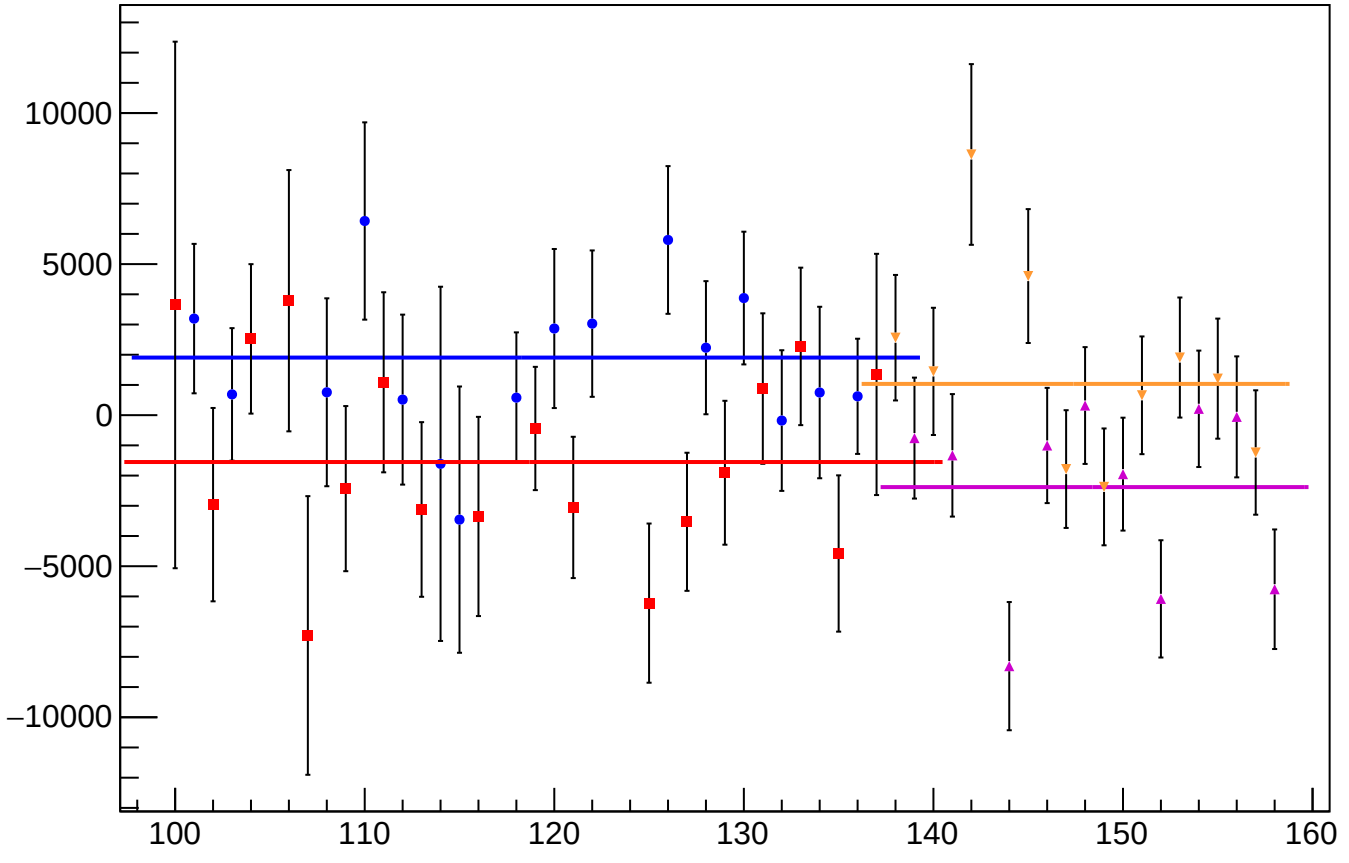
Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 4870.832+/-1.186 χ^2/NDF:466846.1/9

+ sign 1009.266+/-0.289 χ^2/NDF: 19327731.4/26

All: 979.162+/-0.206 χ^2/NDF: 40399007.2/55

- sign 947.842+/-0.295 χ^2/NDF: 21049157.8/28



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 1034.720+/-658.069 χ^2/NDF:16.3/9

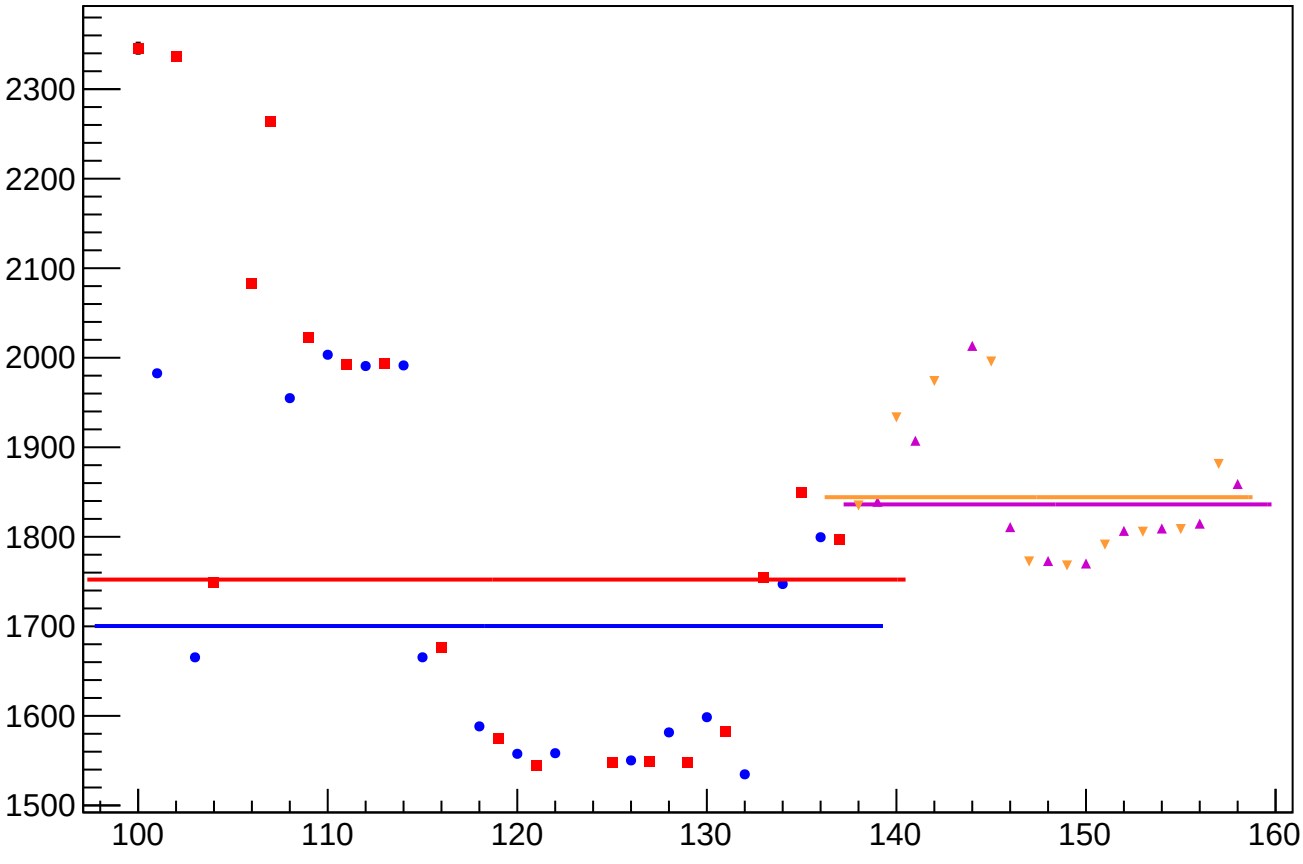
Right Out: -1550.986+/-661.054 χ^2/NDF: 17.5/17

Left In: -2380.954+/-622.152 χ^2/NDF:21.0/9

+ sign 1485.024+/-457.484 χ^2/NDF: 27.4/25

All: -269.944+/-321.913 χ^2/NDF: 95.8/53

- sign -1991.109+/-453.057 χ^2/NDF: 39.2/27



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1844.256+/-0.465 χ^2/NDF:26086.8/9

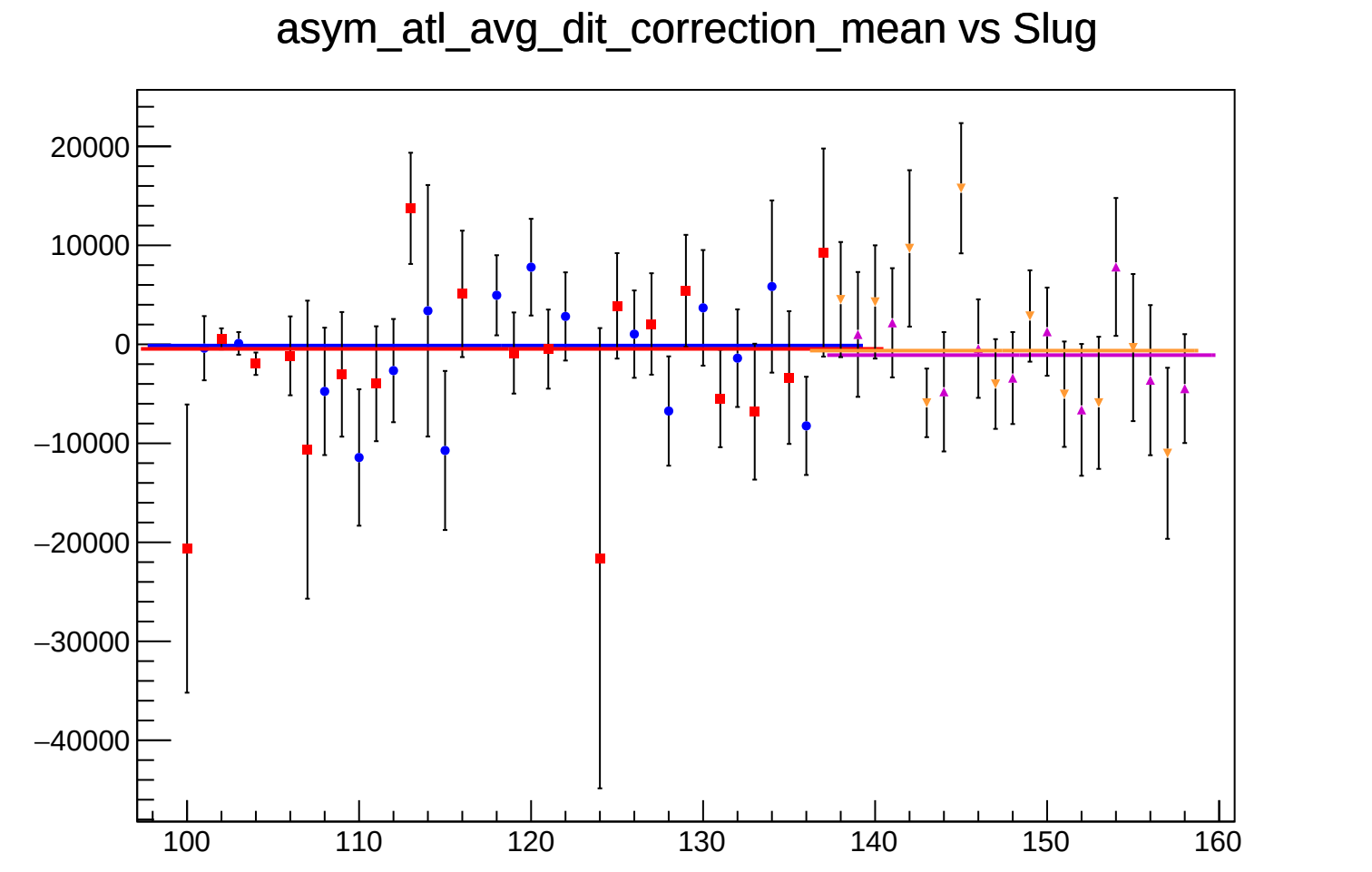
Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1836.188+/-0.440 χ^2/NDF:22729.6/9

+ sign 1769.902+/-0.323 χ^2/NDF: 210920.1/25

All: 1783.426+/-0.228 χ^2/NDF: 502206.0/53

- sign 1796.661+/-0.320 χ^2/NDF: 287827.9/27



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: -633.923+/-1649.492 χ^2/NDF:15.7/10

Right Out: -459.431+/-679.157 χ^2/NDF: 18.5/18

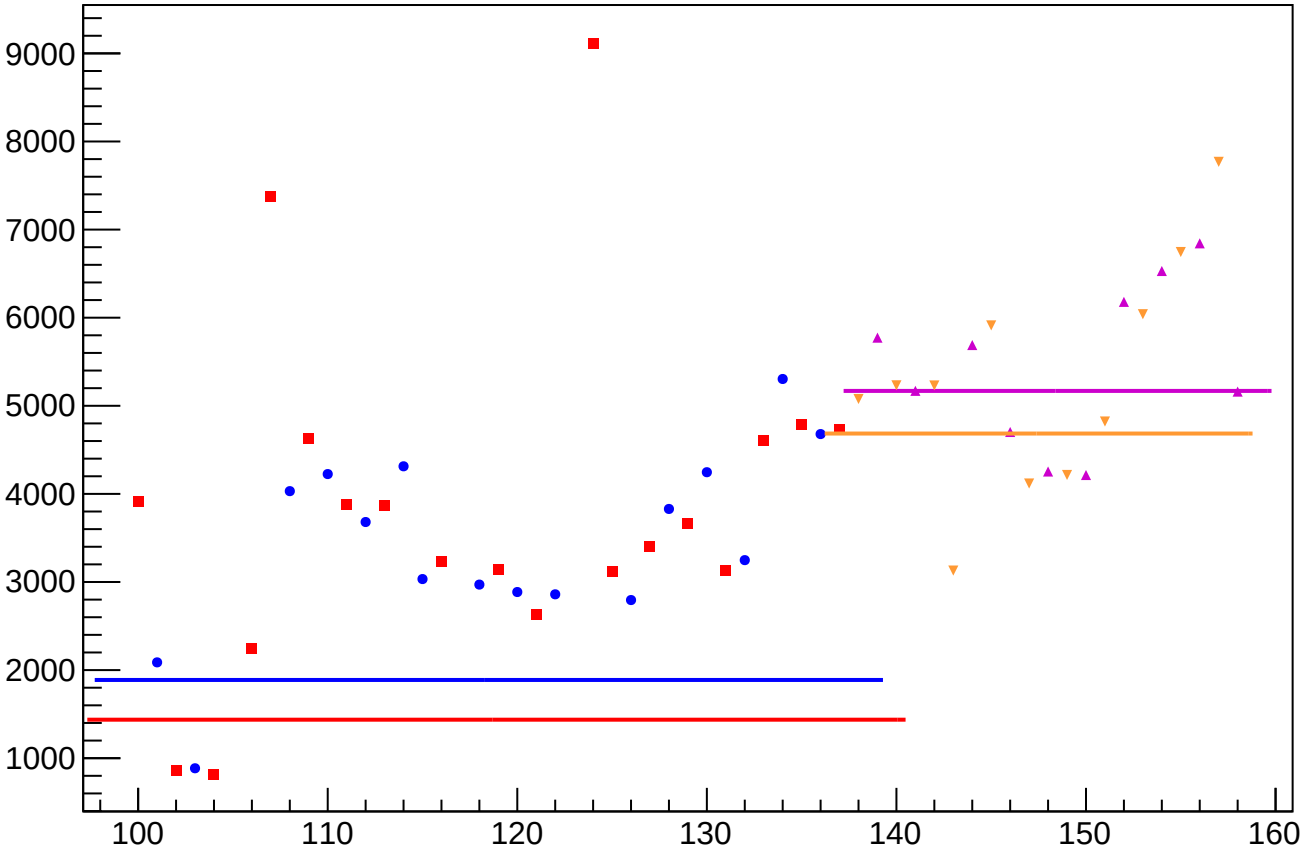
Left In: -1089.846+/-1777.975 χ^2/NDF:4.2/9

+ sign -235.660+/-767.892 χ^2/NDF: 30.8/26

All: -416.355+/-489.102 χ^2/NDF: 53.7/55

- sign -539.703+/-634.446 χ^2/NDF: 22.8/28

asym_atl_avg_dit_correction_rms vs Slug



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 4685.037+/-1.166 χ^2/NDF:1054167.6/10

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

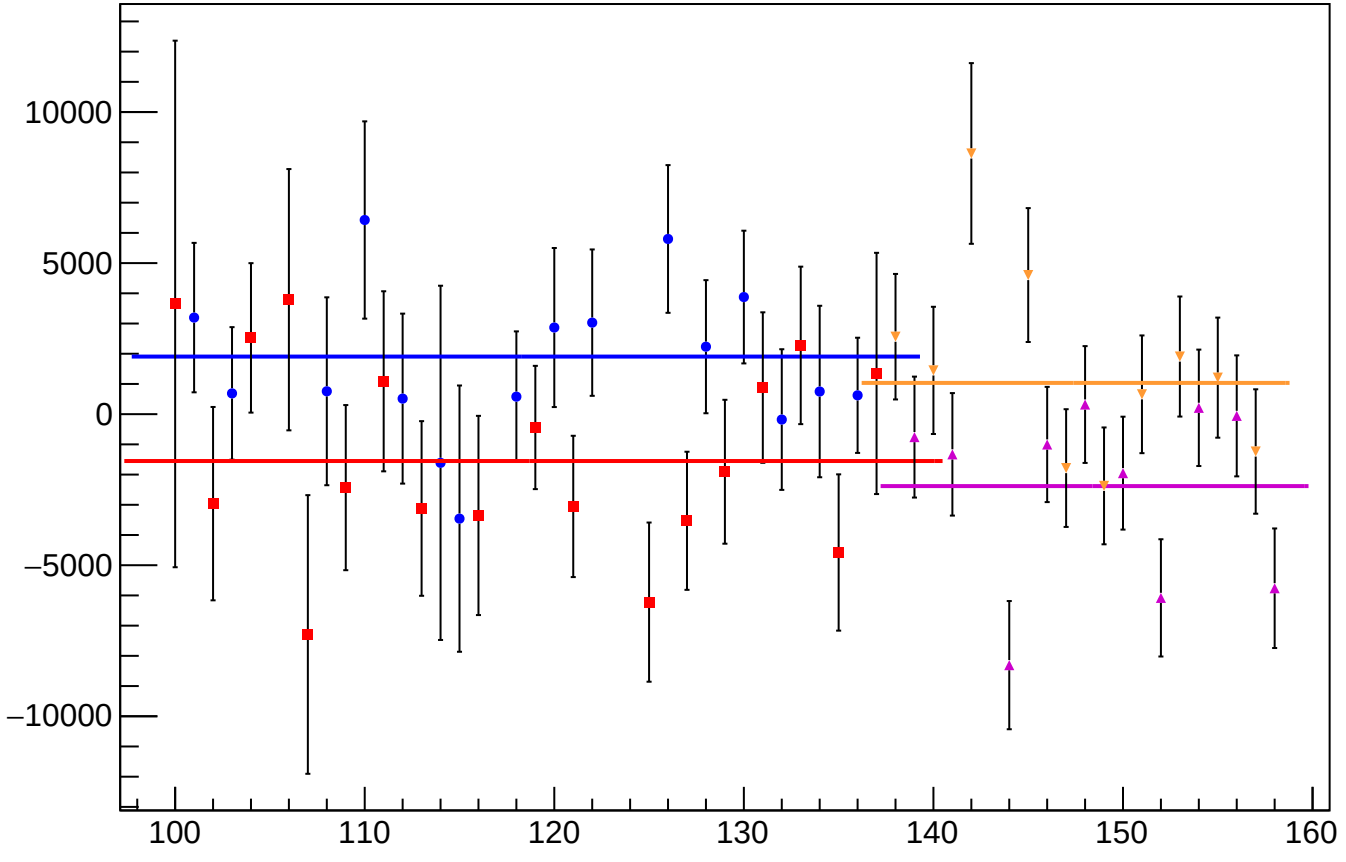
Left In: 5168.827+/-1.257 χ^2/NDF:440408.1/9

+ sign 2494.175+/-0.543 χ^2/NDF: 9984325.3/26

All: 2148.349+/-0.346 χ^2/NDF: 24760049.9/5

- sign 1912.276+/-0.449 χ^2/NDF: 14093173.2/28

eigen_dit_asym_atl_avg_mean vs Slug



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 1034.724+/-658.070 χ^2/NDF:16.3/9

Right Out: -1550.983+/-661.054 χ^2/NDF: 17.5/17

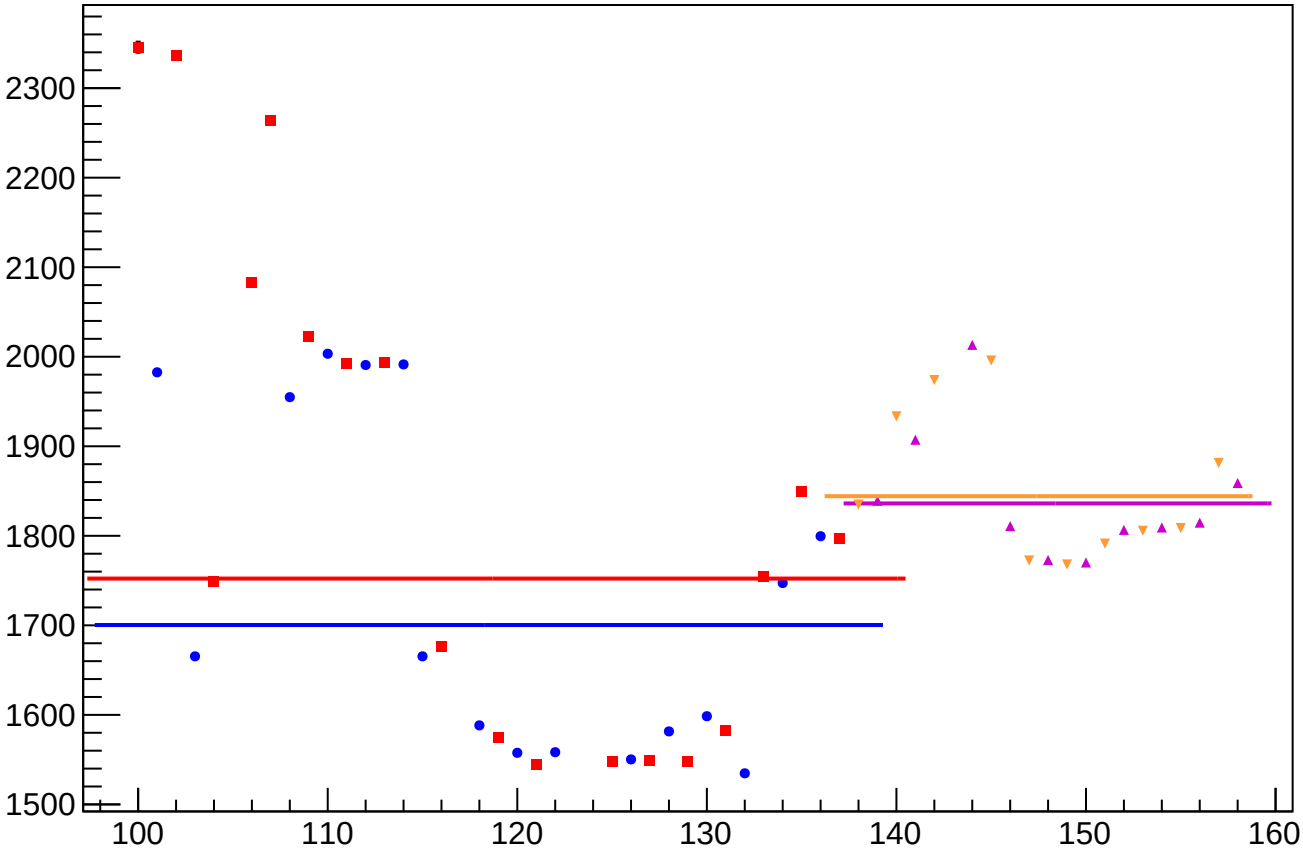
Left In: -2380.957+/-622.152 χ^2/NDF:21.0/9

+ sign 1485.026+/-457.484 χ^2/NDF: 27.4/25

All: -269.943+/-321.913 χ^2/NDF: 95.8/53

- sign -1991.109+/-453.057 χ^2/NDF: 39.3/27

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1844.258+/-0.465 χ^2/NDF:26087.3/9

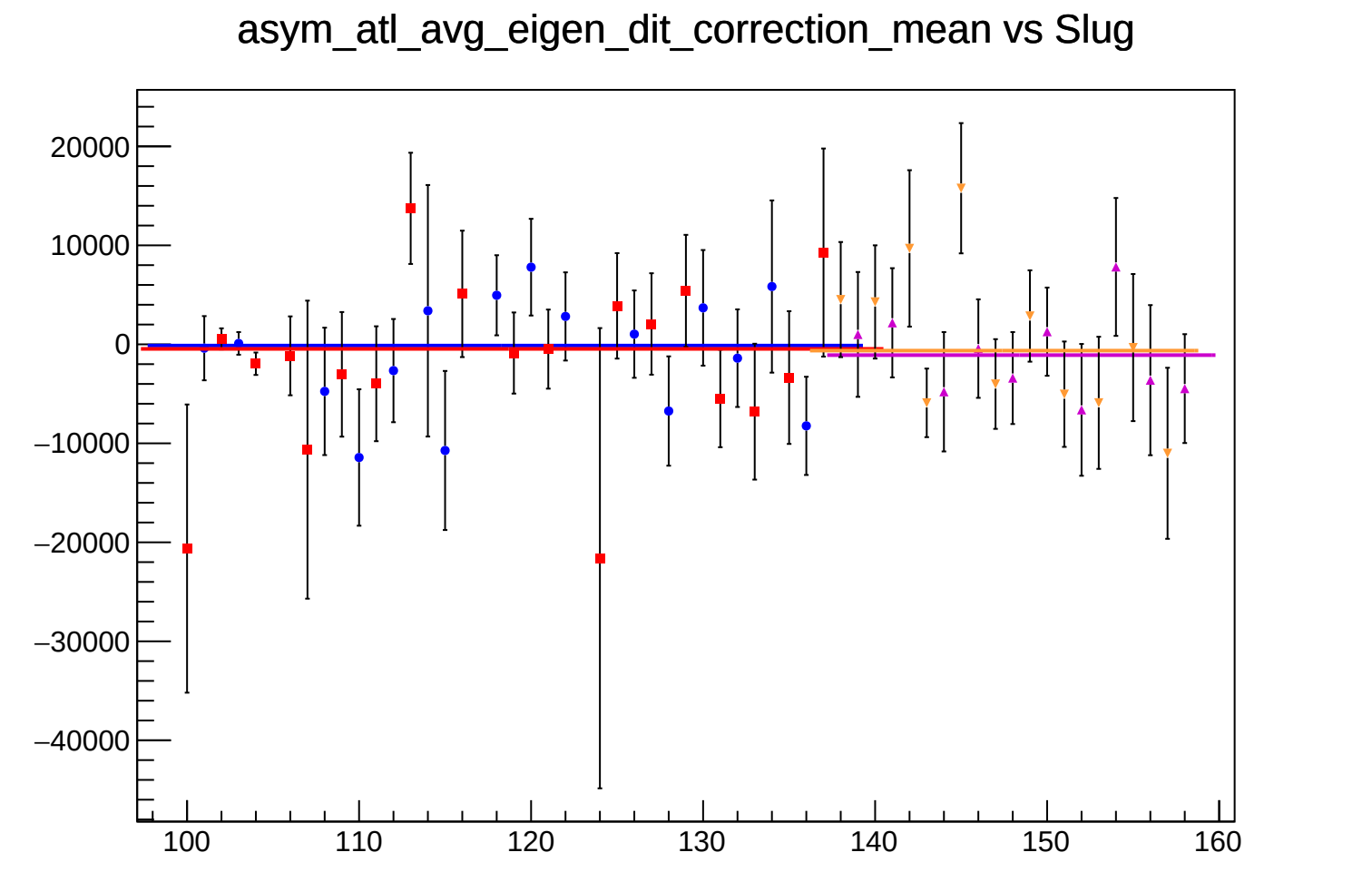
Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1836.189+/-0.440 χ^2/NDF:22729.9/9

+ sign 1769.903+/-0.323 χ^2/NDF: 210921.9/25

All: 1783.426+/-0.228 χ^2/NDF: 502208.3/53

- sign 1796.661+/-0.320 χ^2/NDF: 287828.4/27



Right In: -125.464+/-867.639 χ^2/NDF: 15.1/15

Left Out: -633.927+/-1649.493 χ^2/NDF:15.7/10

Right Out: -459.430+/-679.152 χ^2/NDF: 18.5/18

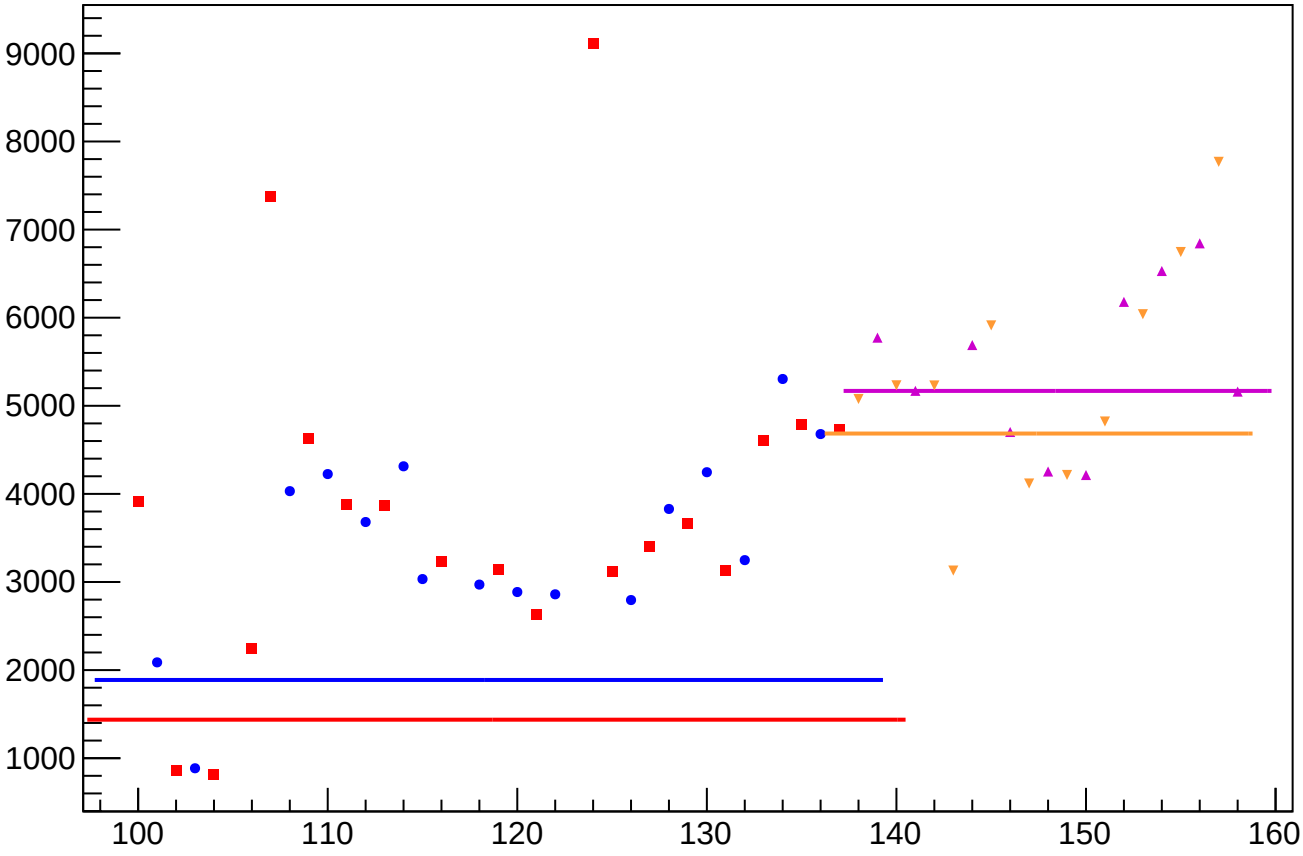
Left In: -1089.849+/-1777.977 χ^2/NDF:4.2/9

+ sign -235.657+/-767.889 χ^2/NDF: 30.8/26

All: -416.352+/-489.099 χ^2/NDF: 53.7/55

- sign -539.701+/-634.442 χ^2/NDF: 22.8/28

asym_atl_avg_eigen_dit_correction_rms vs Slug



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 4685.041+/-1.166 χ^2/NDF:1054173.8/10

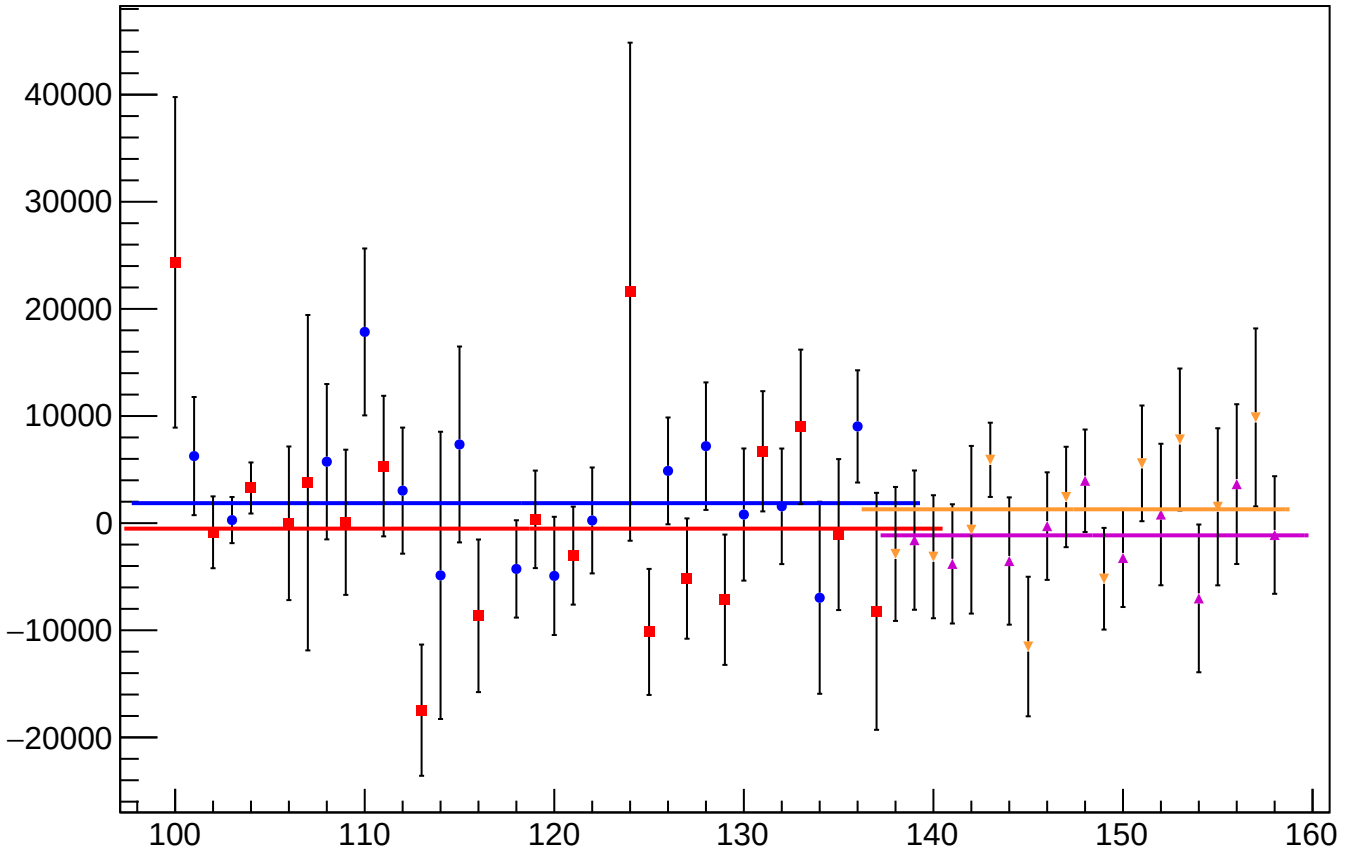
Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

Left In: 5168.833+/-1.257 χ^2/NDF:440411.3/9

+ sign 2494.156+/-0.543 χ^2/NDF: 9984439.6/26

All: 2148.330+/-0.346 χ^2/NDF: 24760286.0/5

- sign 1912.257+/-0.449 χ^2/NDF: 14093289.8/28



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: 1292.399+/-1668.559 χ^2/NDF:11.3/10

Right Out: -512.528+/-1241.513 χ^2/NDF: 24.7/18

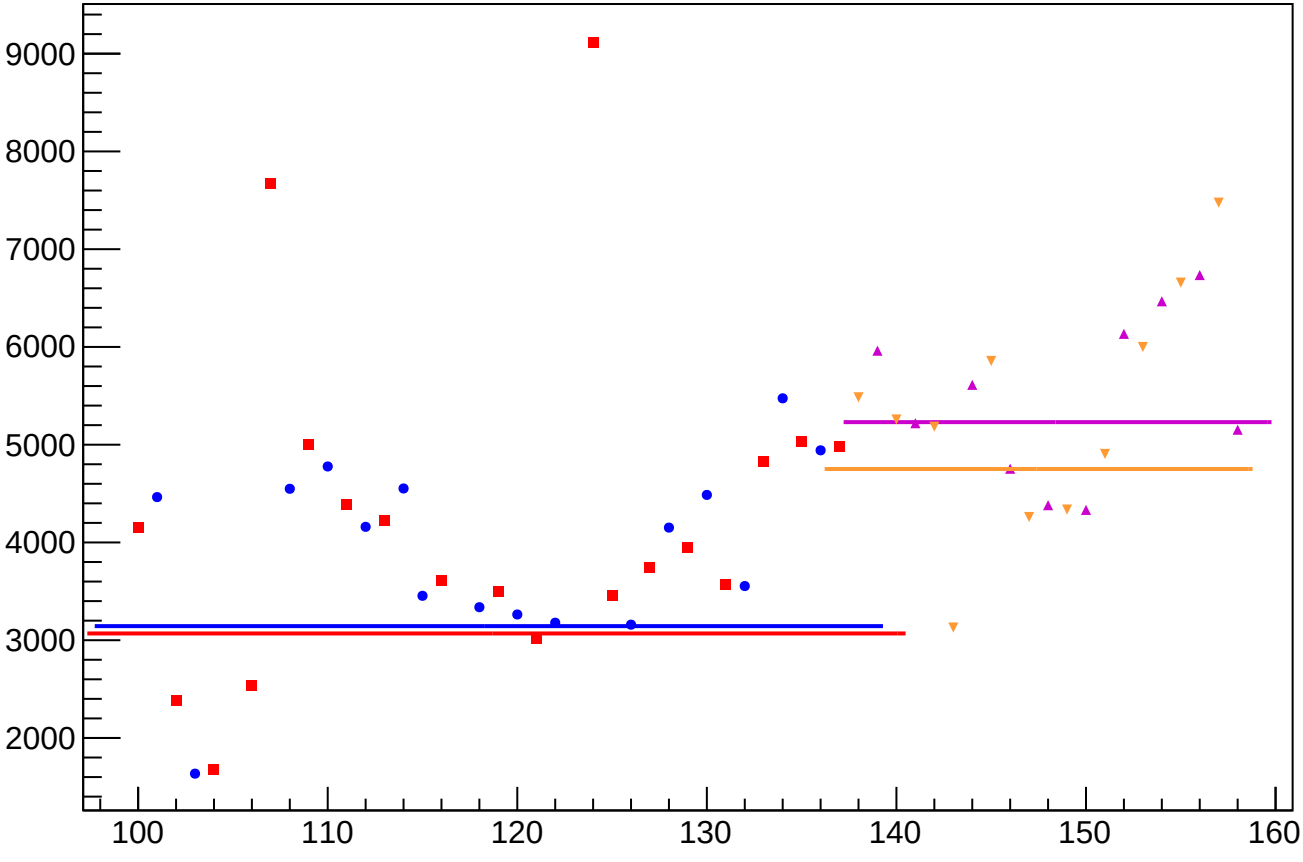
Left In: -1139.066+/-1794.572 χ^2/NDF:3.0/9

+ sign 1658.259+/-1005.099 χ^2/NDF: 25.2/26

All: 490.088+/-716.267 χ^2/NDF: 55.7/55

- sign -715.331+/-1020.998 χ^2/NDF: 27.8/28

asym_atl_avg_rms vs Slug



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 4751.365+/-1.180 χ^2/NDF:1005165.4/10

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

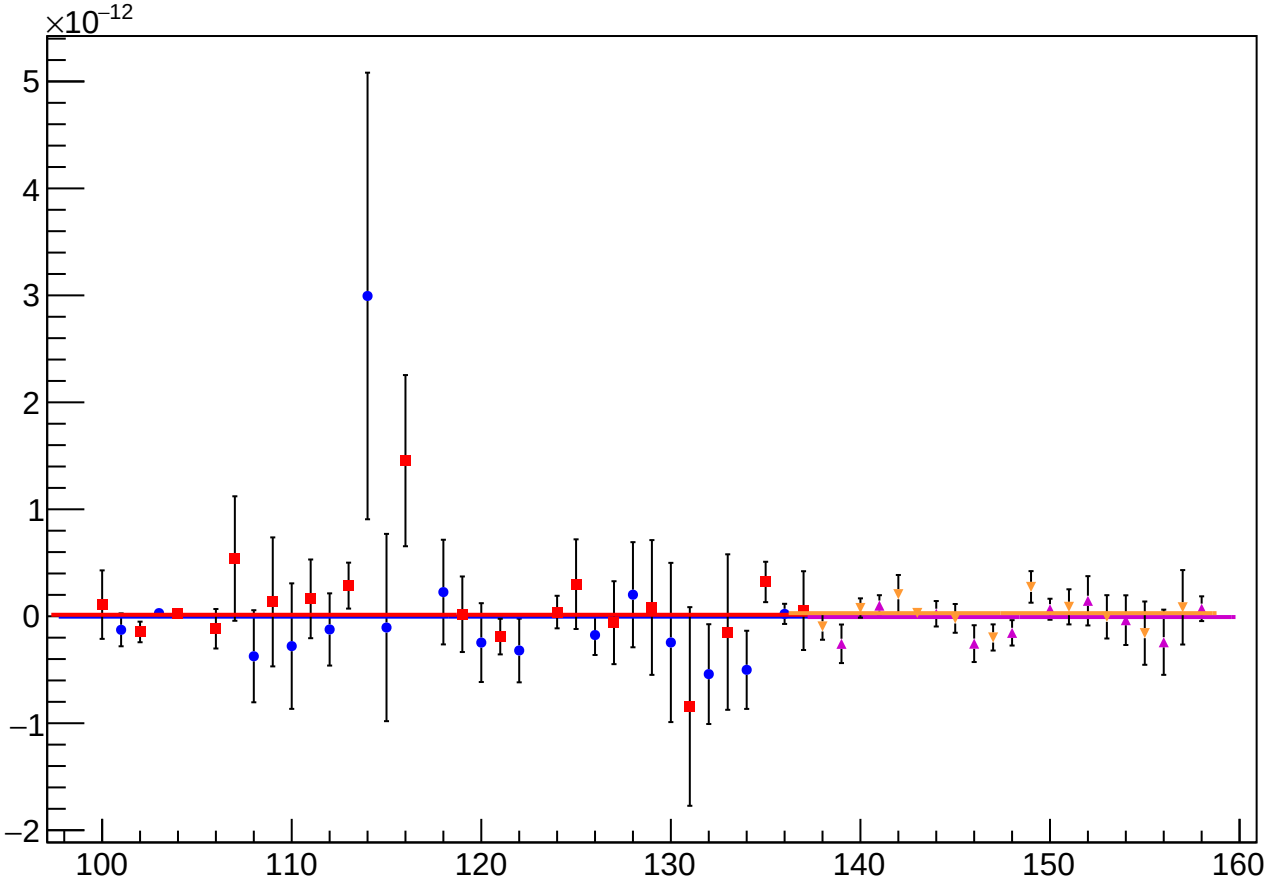
Left In: 5230.831+/-1.269 χ^2/NDF:375045.5/9

+ sign 3727.328+/-0.711 χ^2/NDF: 4070640.1/26

All: 3740.620+/-0.504 χ^2/NDF: 8310598.3/55

- sign 3754.047+/-0.714 χ^2/NDF: 4239255.1/28

asym_atl_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 10.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.2/10

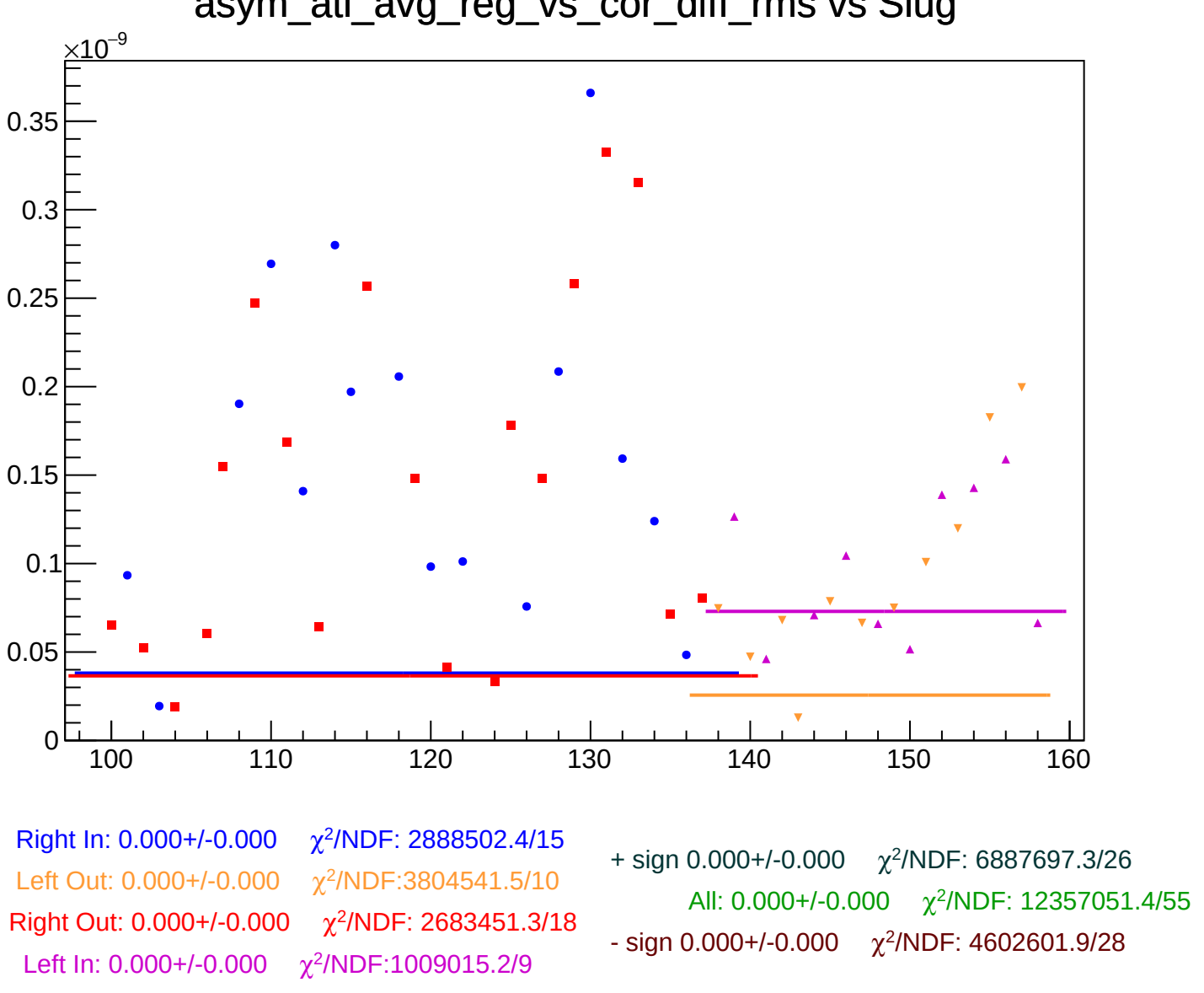
Right Out: 0.000+/-0.000 χ^2/NDF: 14.9/18

Left In: -0.000+/-0.000 χ^2/NDF:8.9/9

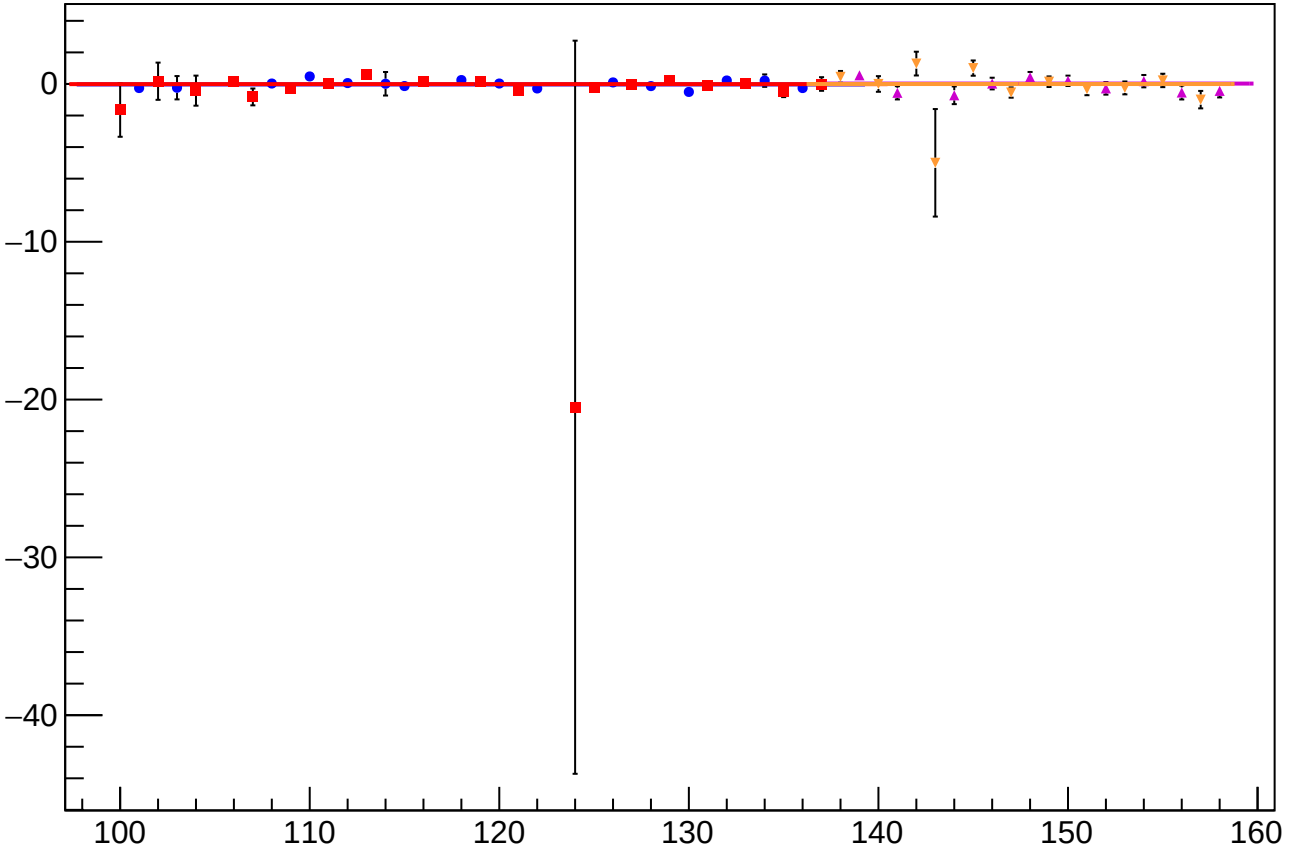
+ sign 0.000+/-0.000 χ^2/NDF: 20.5/26

All: 0.000+/-0.000 χ^2/NDF: 44.7/55

- sign 0.000+/-0.000 χ^2/NDF: 24.0/28


asym_atl_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2888502.4/15
Left Out: 0.000+/-0.000 χ²/NDF:3804541.5/10
Right Out: 0.000+/-0.000 χ²/NDF: 2683451.3/18
Left In: 0.000+/-0.000 χ²/NDF:1009015.2/9
+ sign 0.000+/-0.000 χ²/NDF: 6887697.3/26
All: 0.000+/-0.000 χ²/NDF: 12357051.4/55
- sign 0.000+/-0.000 χ²/NDF: 4602601.9/28

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.004+/-0.132 χ^2/NDF:18.4/10

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

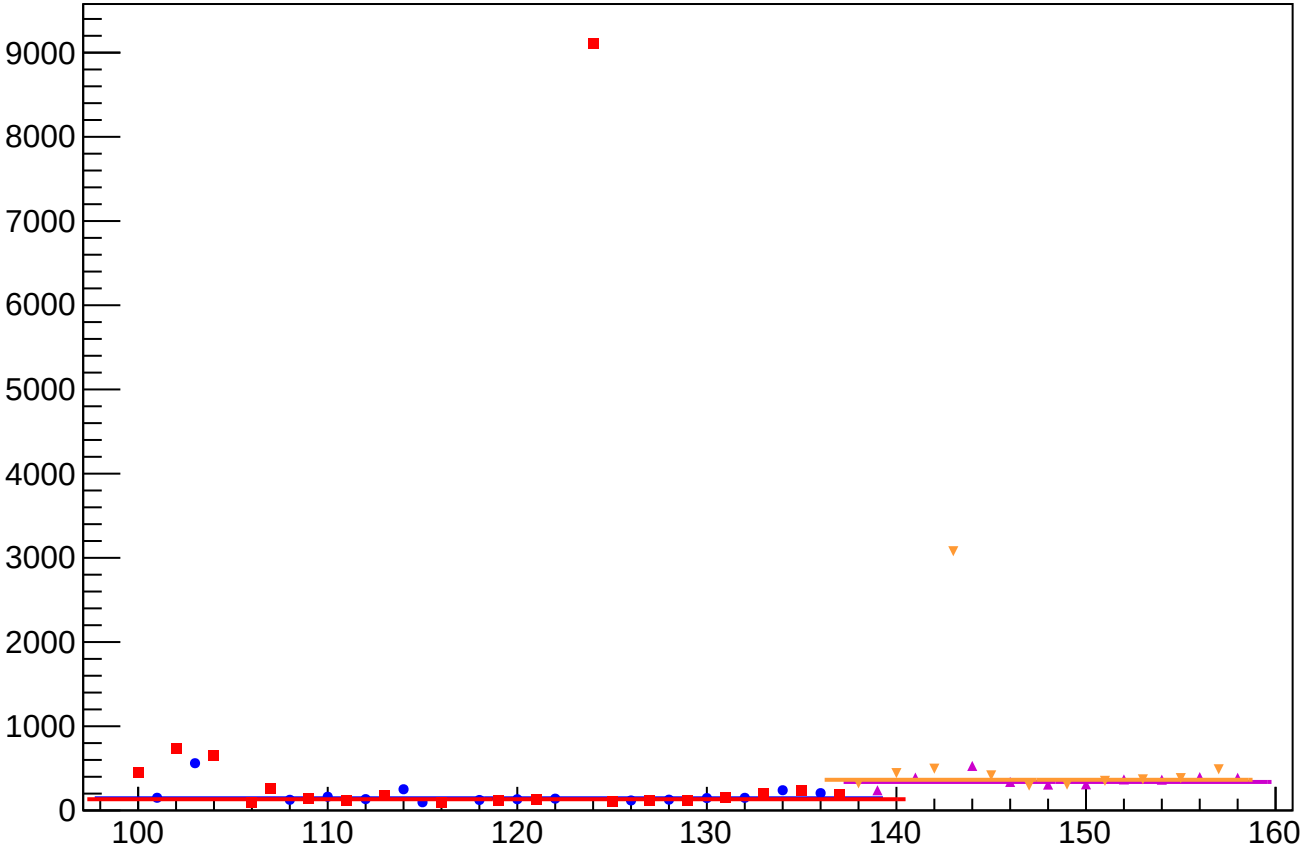
Left In: 0.024+/-0.118 χ^2/NDF:12.6/9

+ sign -0.025+/-0.053 χ^2/NDF: 35.7/26

All: -0.014+/-0.037 χ^2/NDF: 70.3/55

- sign -0.004+/-0.051 χ^2/NDF: 34.5/28

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 364.214+/-0.094 χ^2/NDF:1690233.9/10

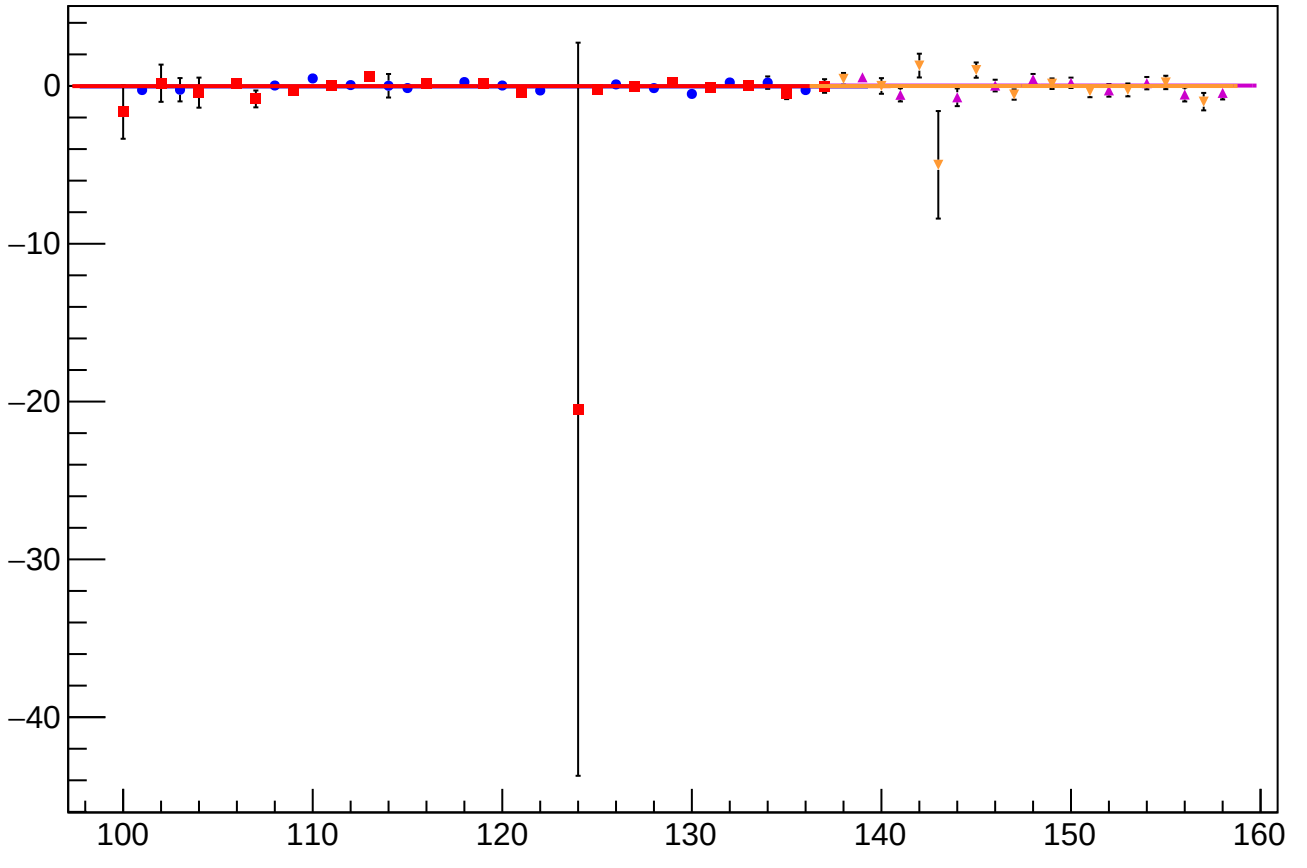
Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 338.551+/-0.084 χ^2/NDF:638767.3/9

+ sign 179.592+/-0.037 χ^2/NDF: 7462378.4/26

All: 175.305+/-0.026 χ^2/NDF: 15242829.5/55

- sign 171.333+/-0.036 χ^2/NDF: 7755221.8/28



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.004+/-0.132 χ^2/NDF:18.4/10

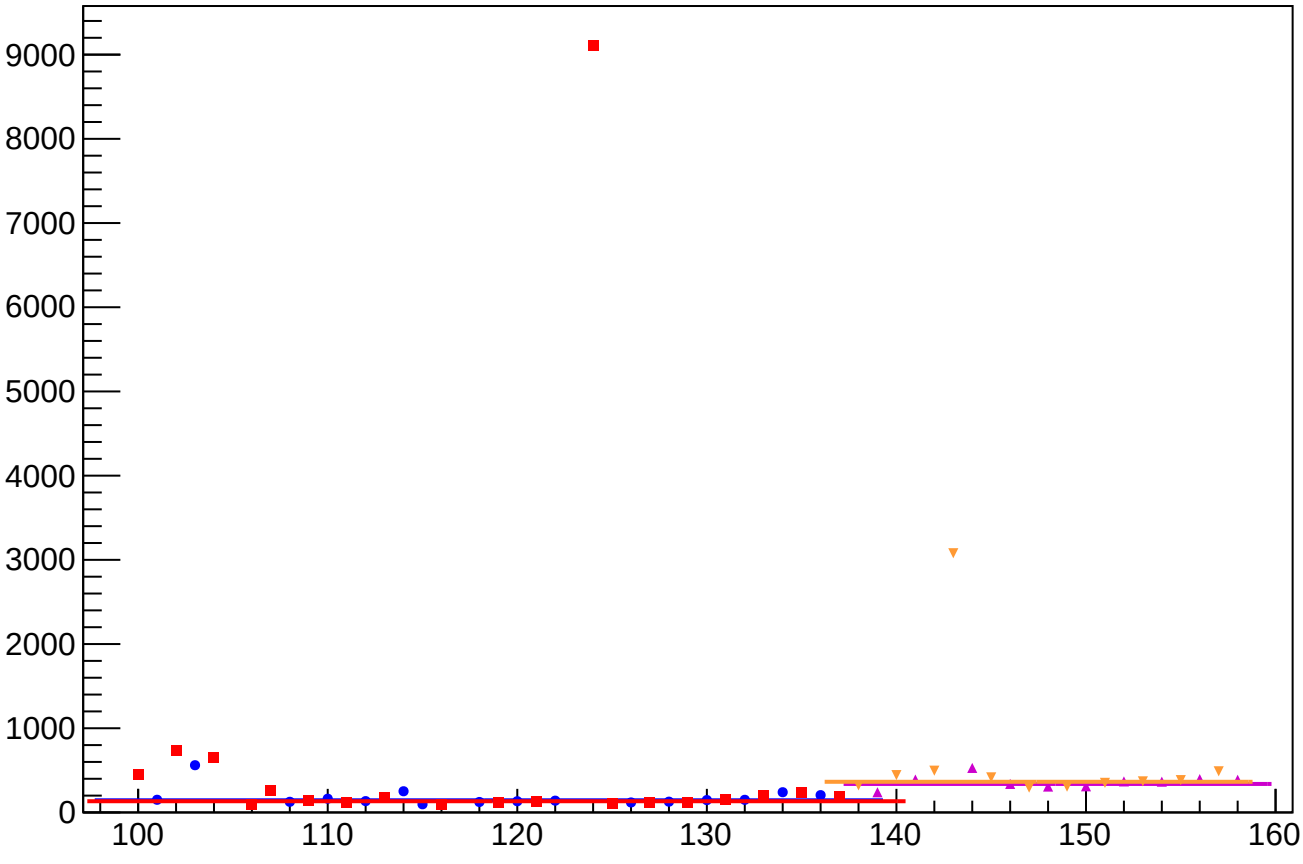
Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: 0.024+/-0.118 χ^2/NDF:12.6/9

+ sign -0.025+/-0.053 χ^2/NDF: 35.7/26

All: -0.014+/-0.037 χ^2/NDF: 70.3/55

- sign -0.004+/-0.051 χ^2/NDF: 34.5/28



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 364.214+/-0.094 χ^2/NDF:1690233.9/10

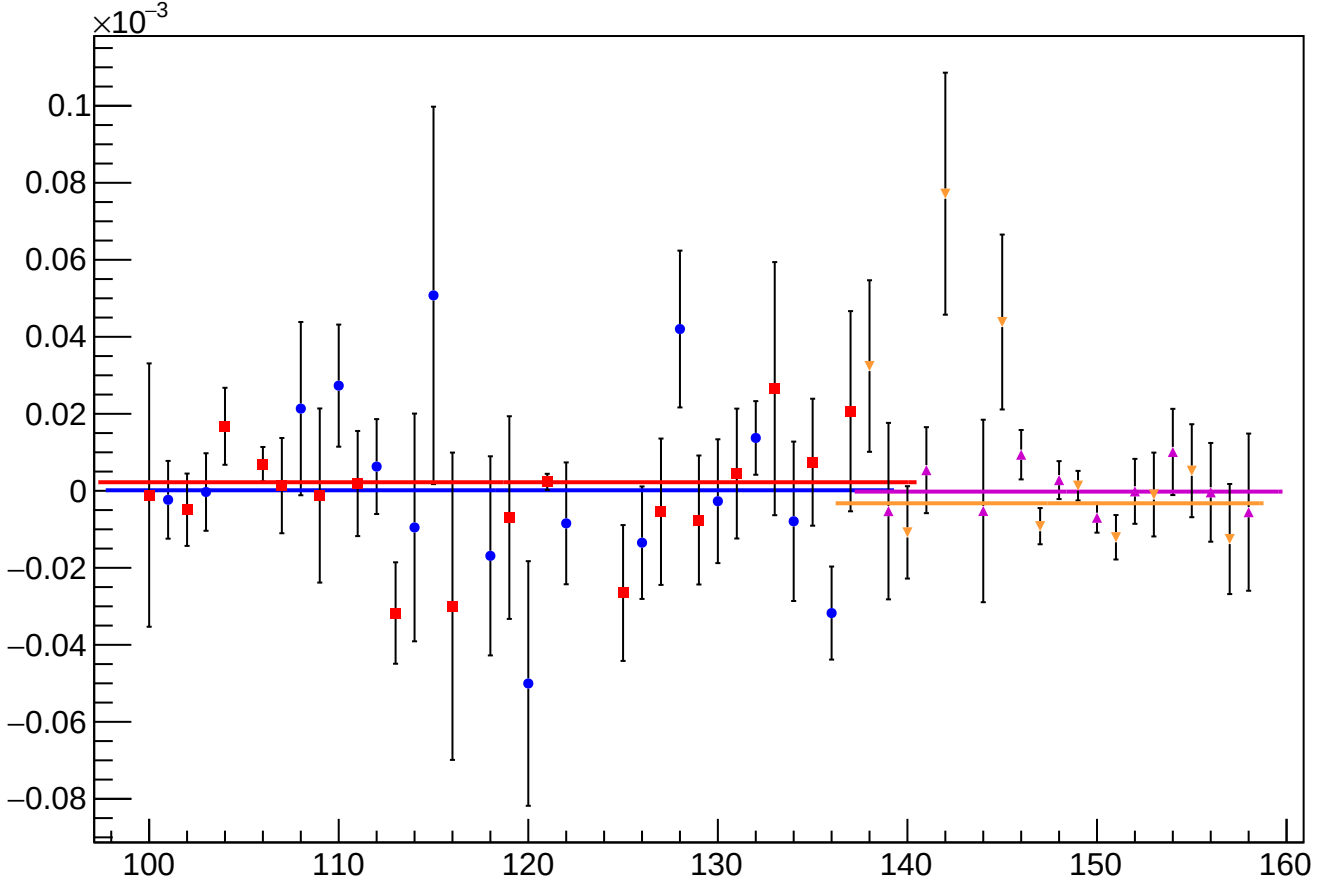
Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 338.551+/-0.084 χ^2/NDF:638767.3/9

+ sign 179.592+/-0.037 χ^2/NDF: 7462378.4/26

All: 175.305+/-0.026 χ^2/NDF: 15242829.5/55

- sign 171.333+/-0.036 χ^2/NDF: 7755221.8/28



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.1/9

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/17

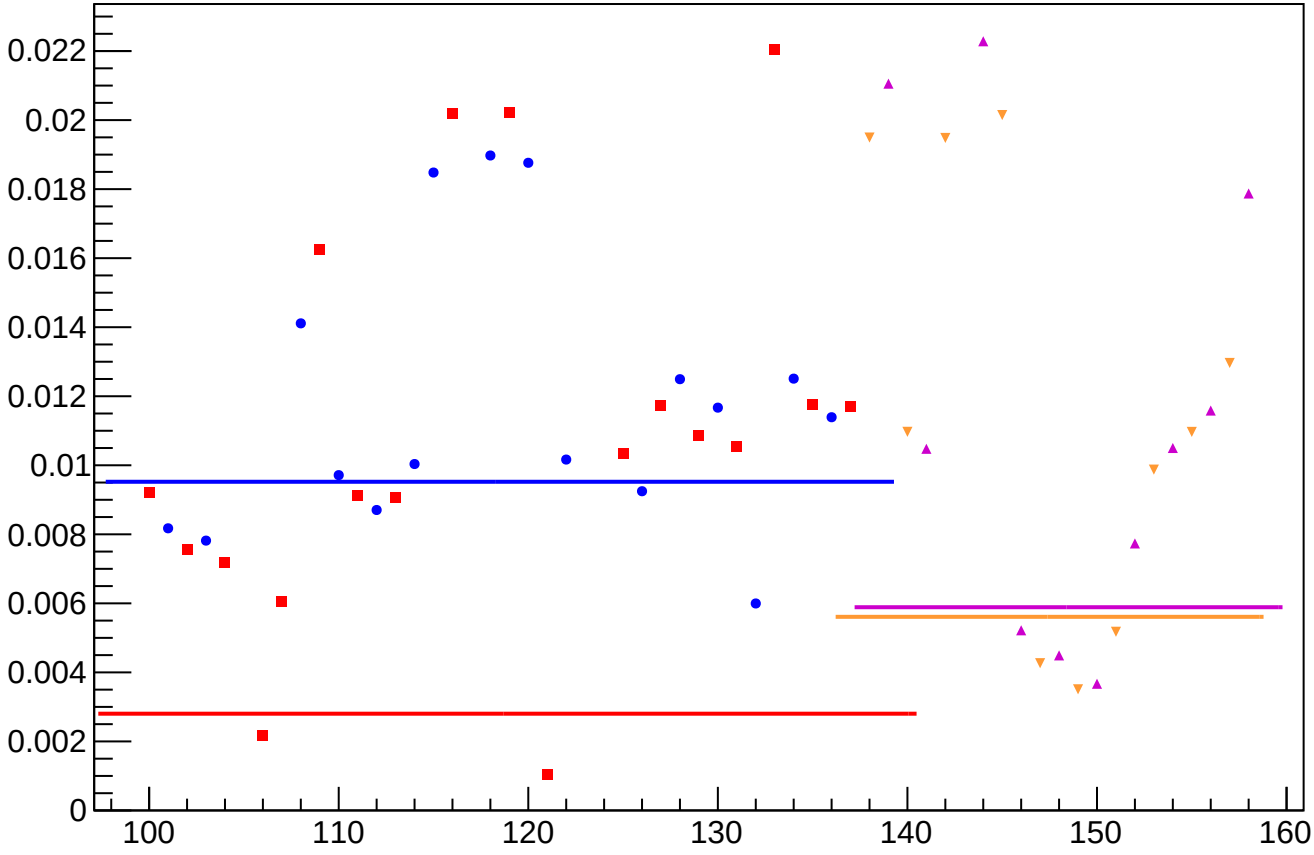
Left In: -0.000+/-0.000 χ^2/NDF:6.9/9

+ sign -0.000+/-0.000 χ^2/NDF: 43.5/25

All: 0.000+/-0.000 χ^2/NDF: 68.9/53

- sign 0.000+/-0.000 χ^2/NDF: 23.2/27

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 1132946.4/15

Left Out: 0.006+/-0.000 χ^2/NDF:4387607.7/9

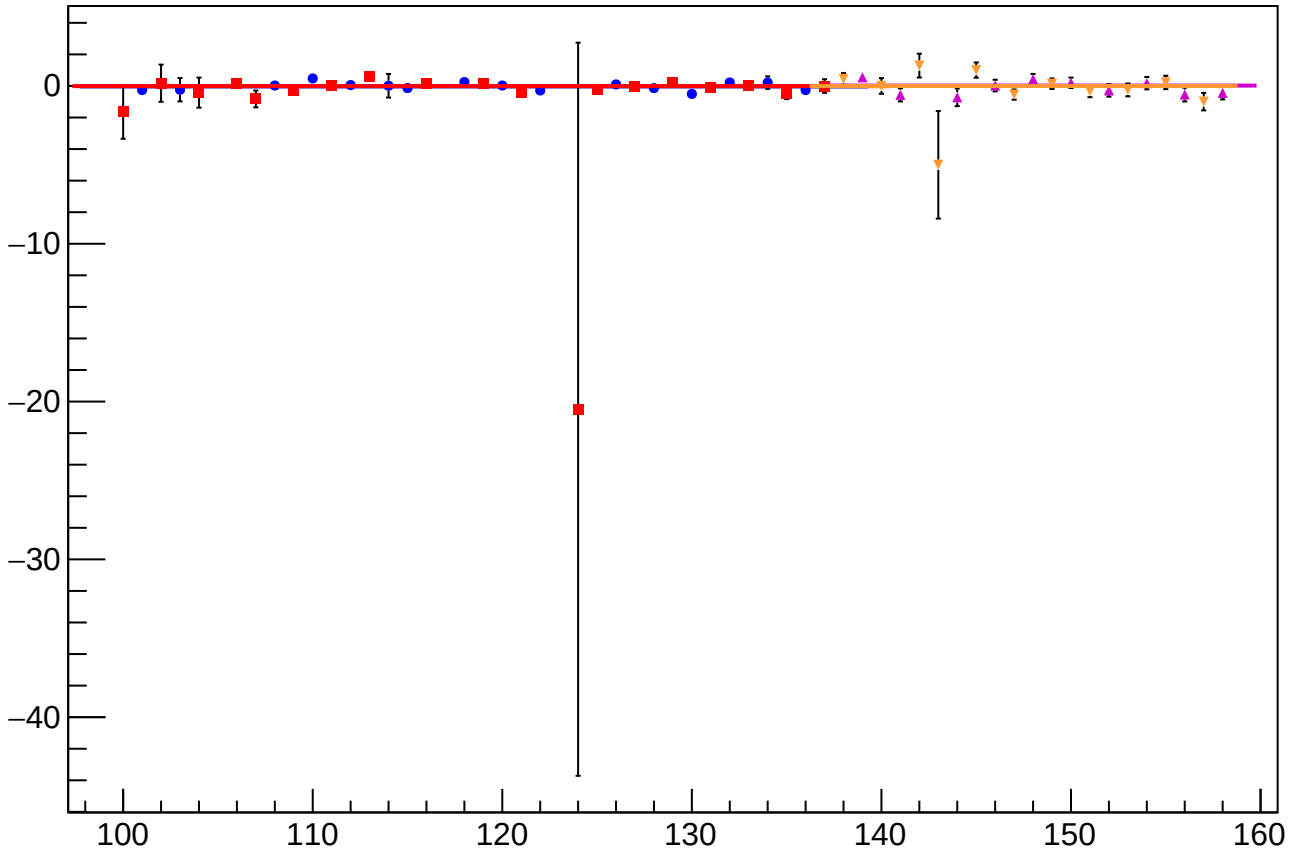
Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

Left In: 0.006+/-0.000 χ^2/NDF:4526929.3/9

+ sign 0.007+/-0.000 χ^2/NDF: 7072540.4/25

All: 0.005+/-0.000 χ^2/NDF: 25135305.3/53

- sign 0.004+/-0.000 χ^2/NDF: 15283306.0/27



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.004+/-0.132 χ^2/NDF:18.4/10

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

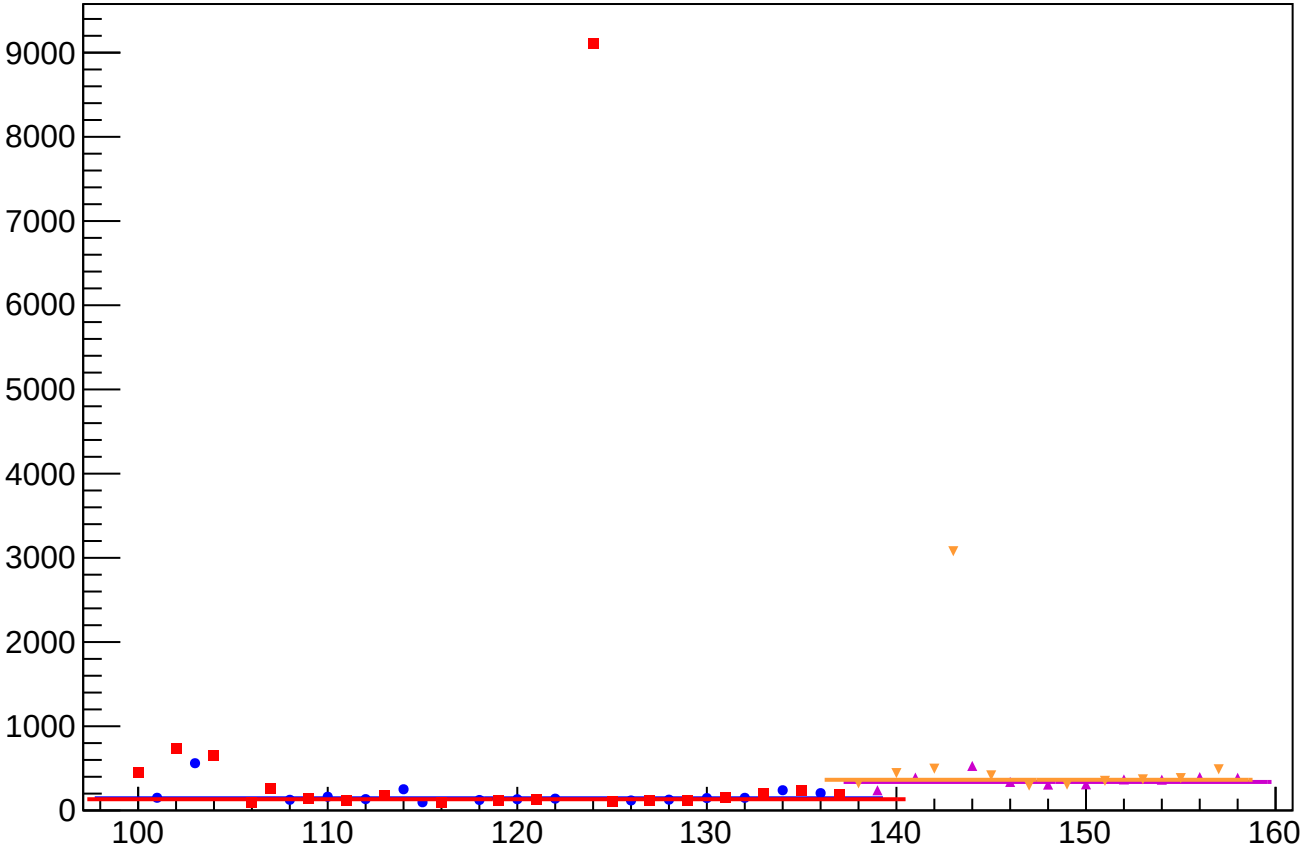
Left In: 0.024+/-0.118 χ^2/NDF:12.6/9

+ sign -0.025+/-0.053 χ^2/NDF: 35.7/26

All: -0.014+/-0.037 χ^2/NDF: 70.3/55

- sign -0.004+/-0.051 χ^2/NDF: 34.5/28

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 364.218+/-0.094 χ^2/NDF:1690269.3/10

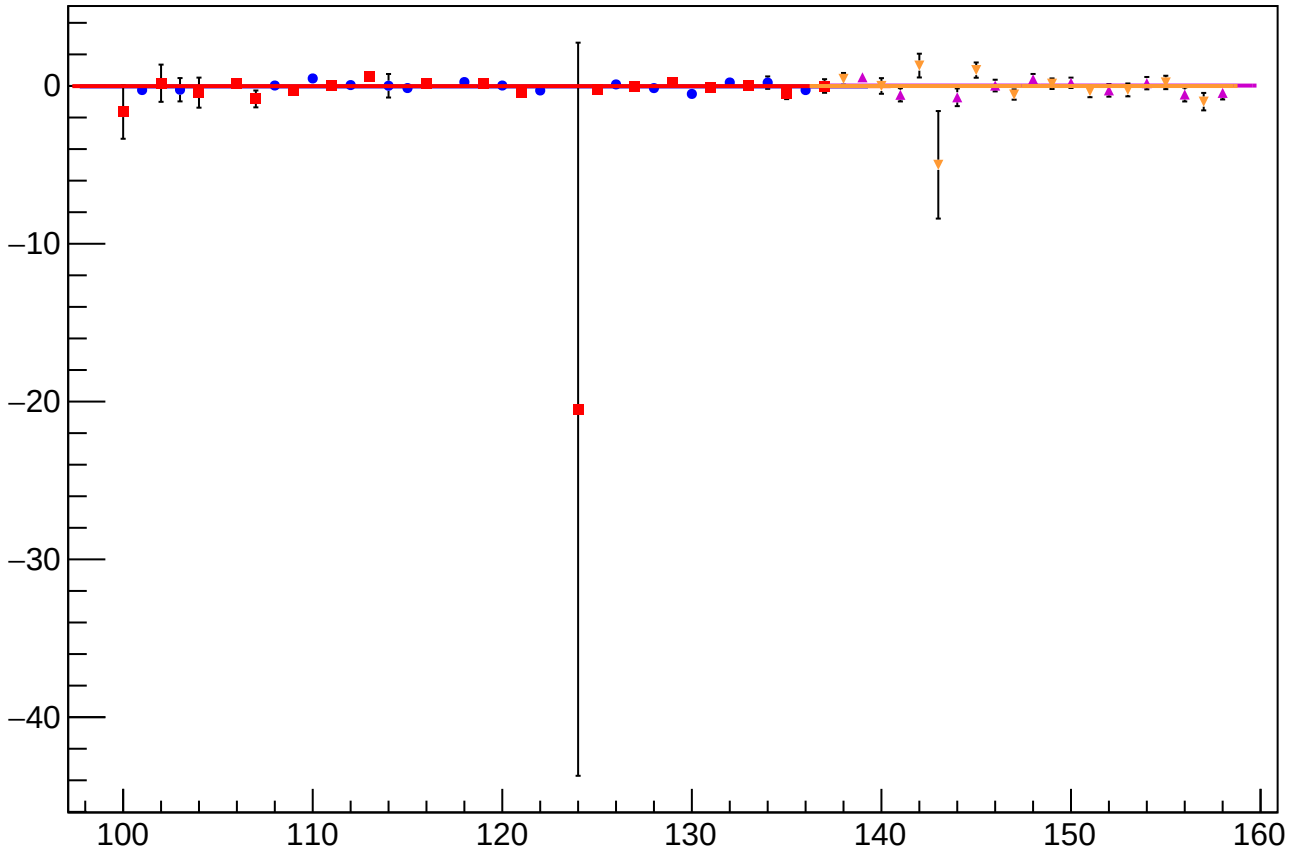
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 338.556+/-0.084 χ^2/NDF:638761.8/9

+ sign 179.591+/-0.037 χ^2/NDF: 7462588.0/26

All: 175.304+/-0.026 χ^2/NDF: 15243153.8/55

- sign 171.332+/-0.036 χ^2/NDF: 7755341.9/28



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.004+/-0.132 χ^2/NDF:18.4/10

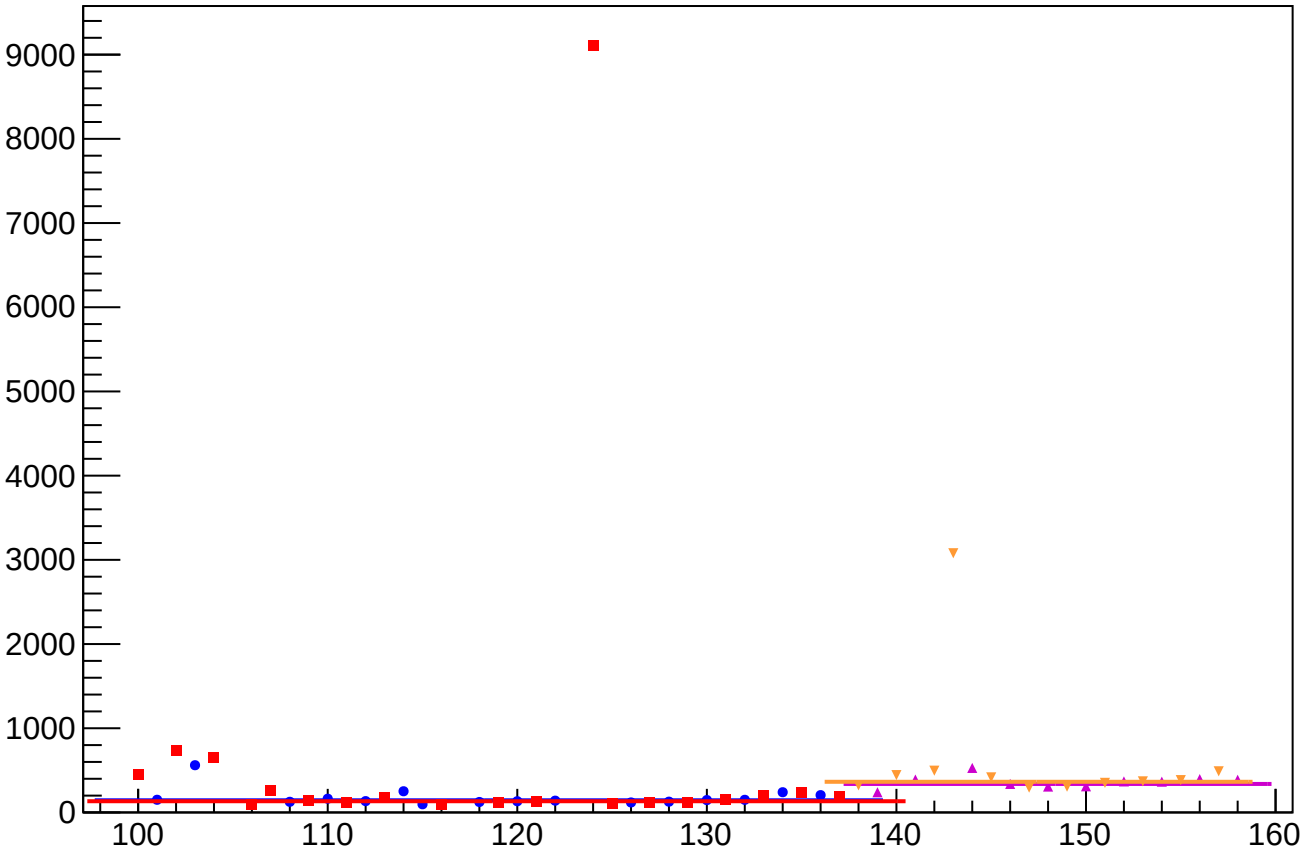
Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: 0.024+/-0.118 χ^2/NDF:12.6/9

+ sign -0.025+/-0.053 χ^2/NDF: 35.7/26

All: -0.014+/-0.037 χ^2/NDF: 70.3/55

- sign -0.004+/-0.051 χ^2/NDF: 34.5/28



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 364.218+/-0.094 χ^2/NDF:1690269.3/10

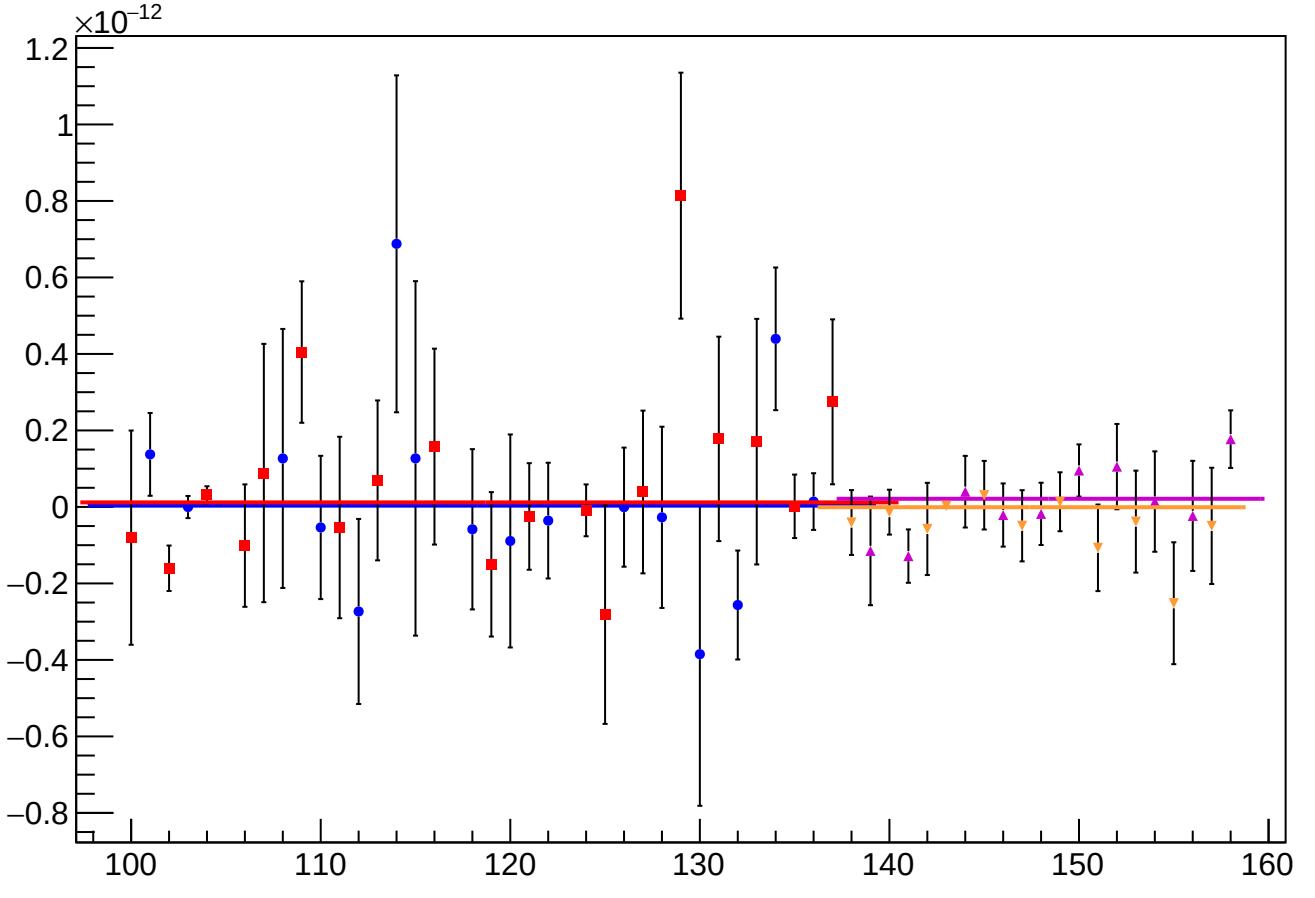
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 338.556+/-0.084 χ^2/NDF:638761.8/9

+ sign 179.591+/-0.037 χ^2/NDF: 7462588.0/26

All: 175.304+/-0.026 χ^2/NDF: 15243153.8/55

- sign 171.332+/-0.036 χ^2/NDF: 7755341.9/28



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

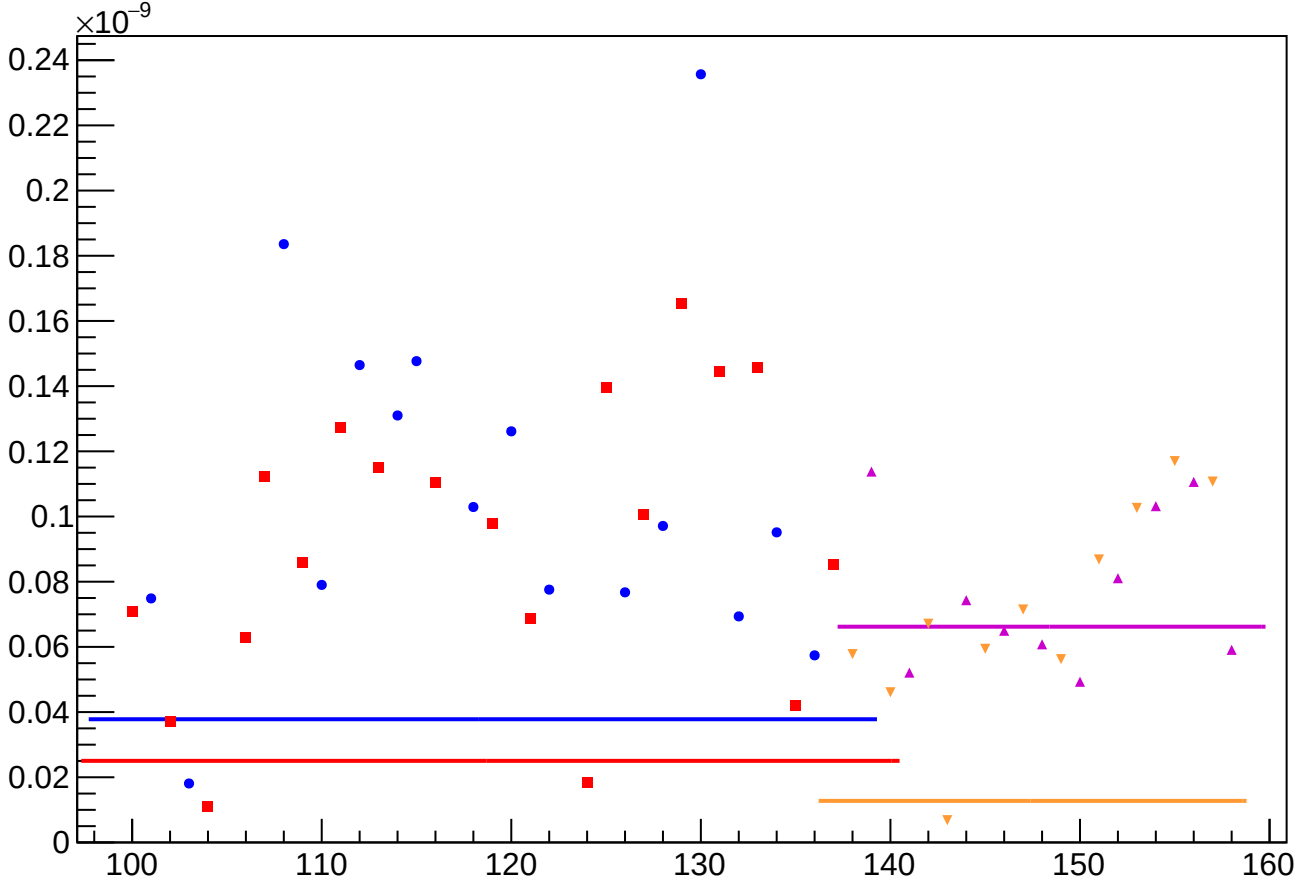
Left In: 0.000+/-0.000 χ^2/NDF:12.2/9

+ sign -0.000+/-0.000 χ^2/NDF: 20.2/26

All: 0.000+/-0.000 χ^2/NDF: 58.3/55

- sign 0.000+/-0.000 χ^2/NDF: 37.4/28

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3942675.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:7736854.8/10

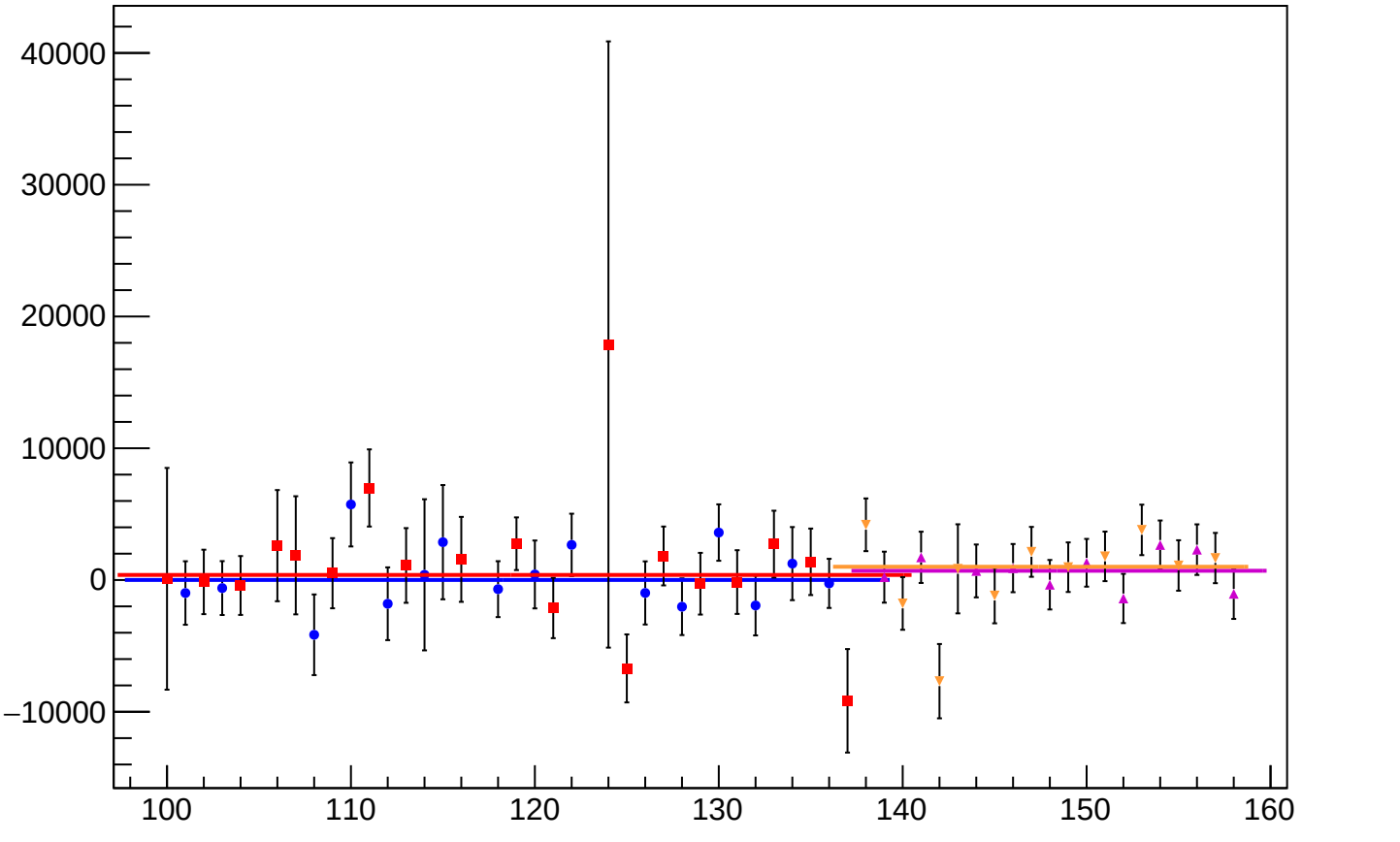
Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

Left In: 0.000+/-0.000 χ^2/NDF:855731.1/9

+ sign 0.000+/-0.000 χ^2/NDF: 13571964.5/26

All: 0.000+/-0.000 χ^2/NDF: 24897525.6/55

- sign 0.000+/-0.000 χ^2/NDF: 8509725.9/28



Right In: 4.373+/-619.905 χ^2/NDF: 12.4/15

Left Out: 1006.524+/-619.827 χ^2/NDF:17.8/10

Right Out: 384.758+/-633.682 χ^2/NDF: 24.1/18

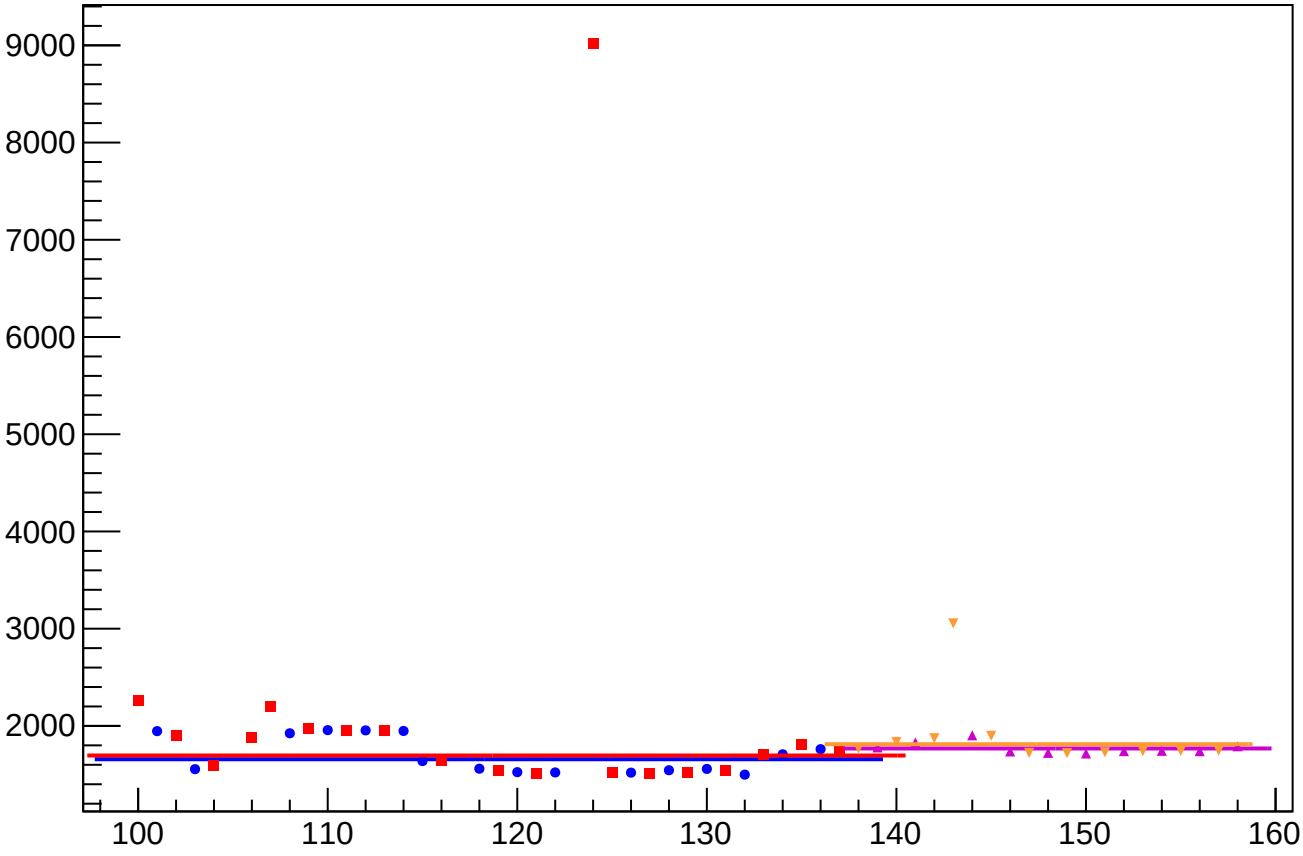
Left In: 703.087+/-598.821 χ^2/NDF:4.7/9

+ sign 505.512+/-438.312 χ^2/NDF: 31.6/26

All: 529.382+/-308.839 χ^2/NDF: 60.5/55

- sign 552.919+/-435.233 χ^2/NDF: 28.9/28

reg_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1811.664+/-0.438 χ^2/NDF:296672.3/10

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

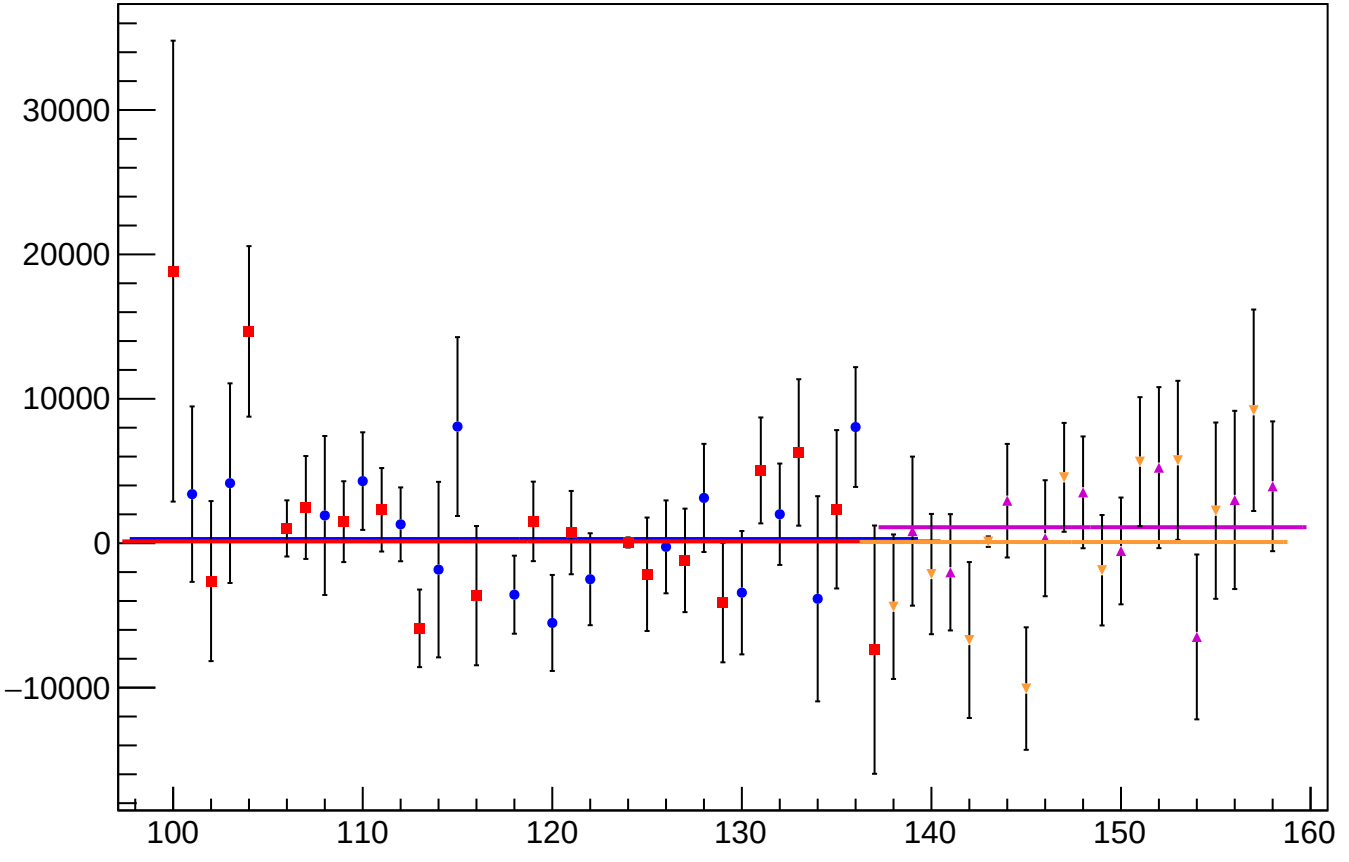
Left In: 1767.902+/-0.423 χ^2/NDF:15972.1/9

+ sign 1734.401+/-0.310 χ^2/NDF: 502815.5/26

All: 1734.023+/-0.218 χ^2/NDF: 918809.6/55

- sign 1733.652+/-0.307 χ^2/NDF: 415991.2/28

asym_atl_dd_reg_correction_mean vs Slug



Right In: 289.262+/-961.071 χ^2/NDF: 15.2/15

Left Out: 82.699+/-353.577 χ^2/NDF:14.5/10

Right Out: 125.586+/-323.715 χ^2/NDF: 20.8/18

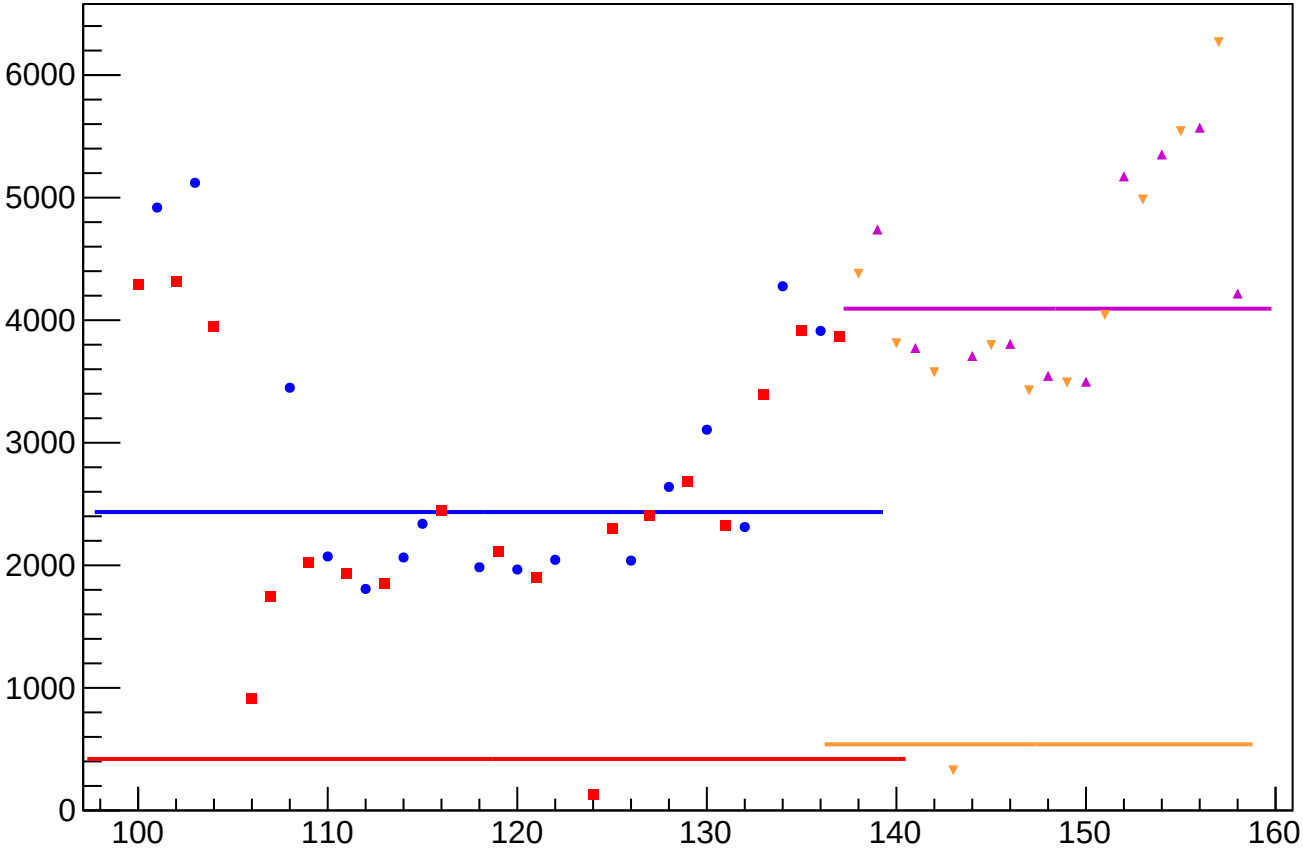
Left In: 1107.442+/-1408.088 χ^2/NDF:4.3/9

+ sign 107.324+/-331.832 χ^2/NDF: 29.8/26

All: 142.804+/-228.642 χ^2/NDF: 55.4/55

- sign 174.874+/-315.485 χ^2/NDF: 25.6/28

asym_atl_dd_reg_correction_rms vs Slug



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 539.578+/-0.250 χ^2/NDF:12496683.1/10

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

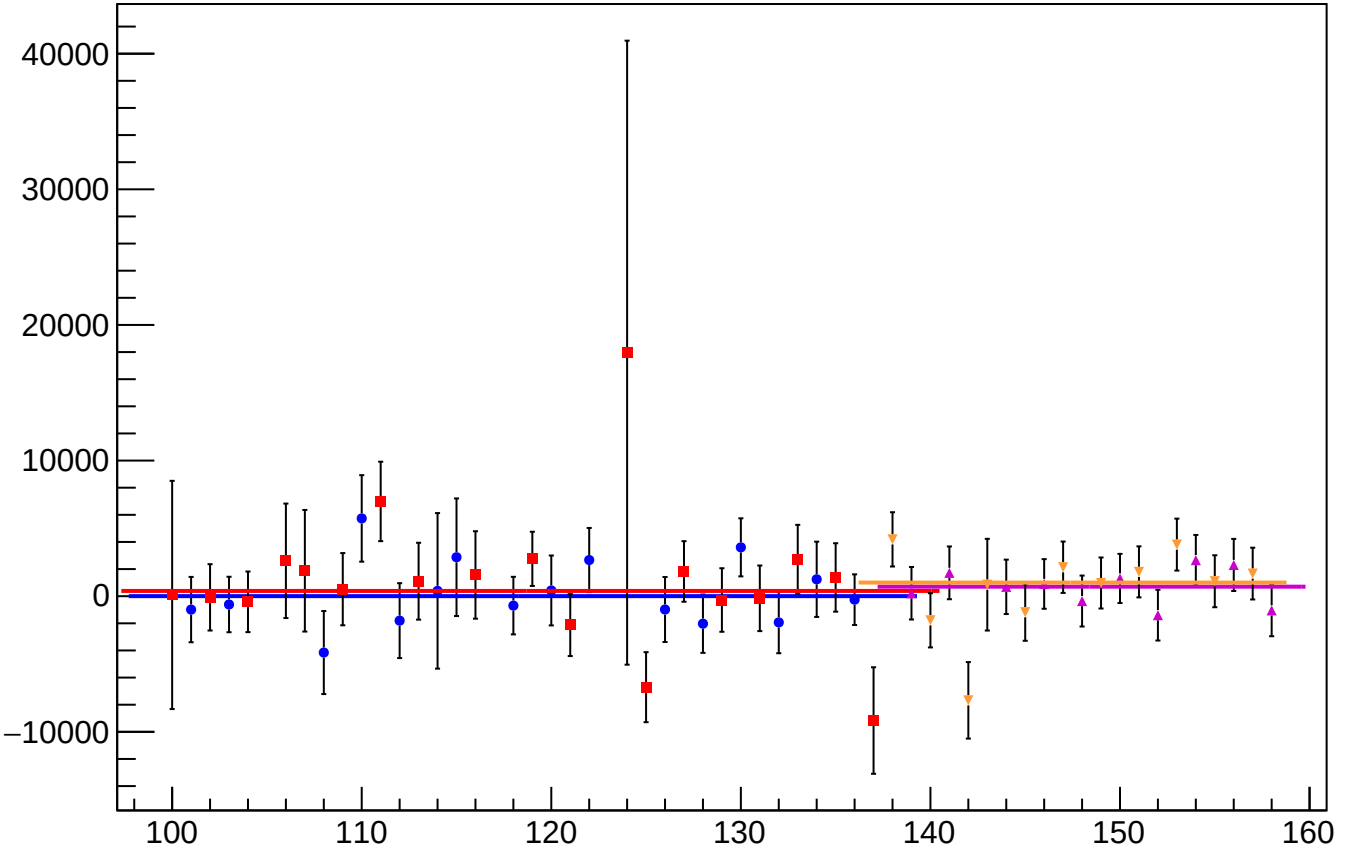
Left In: 4094.037+/-0.996 χ^2/NDF:453799.8/9

+ sign 765.490+/-0.235 χ^2/NDF: 20803214.0/26

All: 681.043+/-0.162 χ^2/NDF: 45498260.7/55

- sign 604.712+/-0.223 χ^2/NDF: 24448440.2/28

cor_asym_atl_dd_mean vs Slug



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 1006.362+/-619.827 χ^2/NDF:17.8/10

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

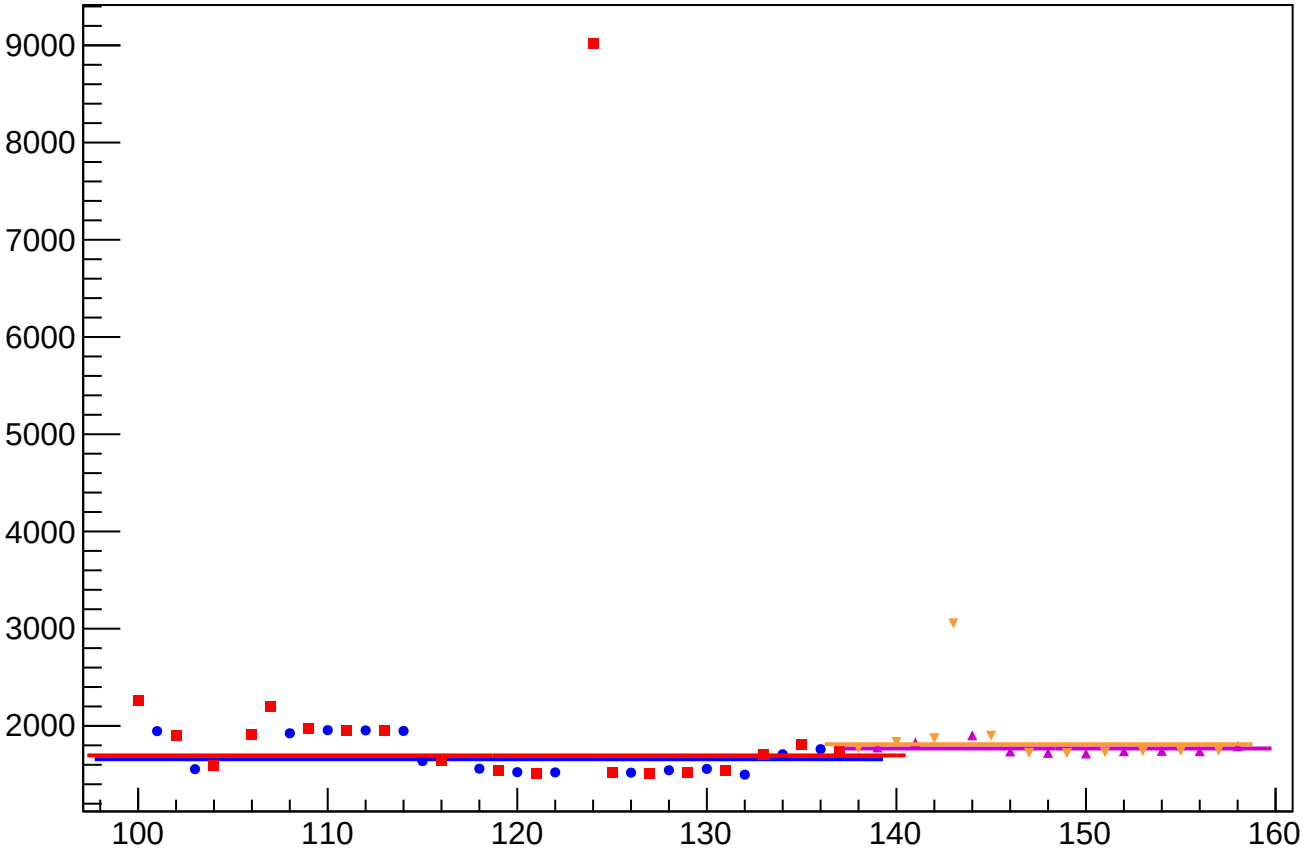
Left In: 703.071+/-598.821 χ^2/NDF:4.7/9

\+ sign 505.392+/-438.312 χ^2/NDF: 31.6/26

All: 530.340+/-308.840 χ^2/NDF: 60.4/55

\- sign 554.939+/-435.235 χ^2/NDF: 28.9/28

cor_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1811.664+/-0.438 χ^2/NDF:296672.3/10

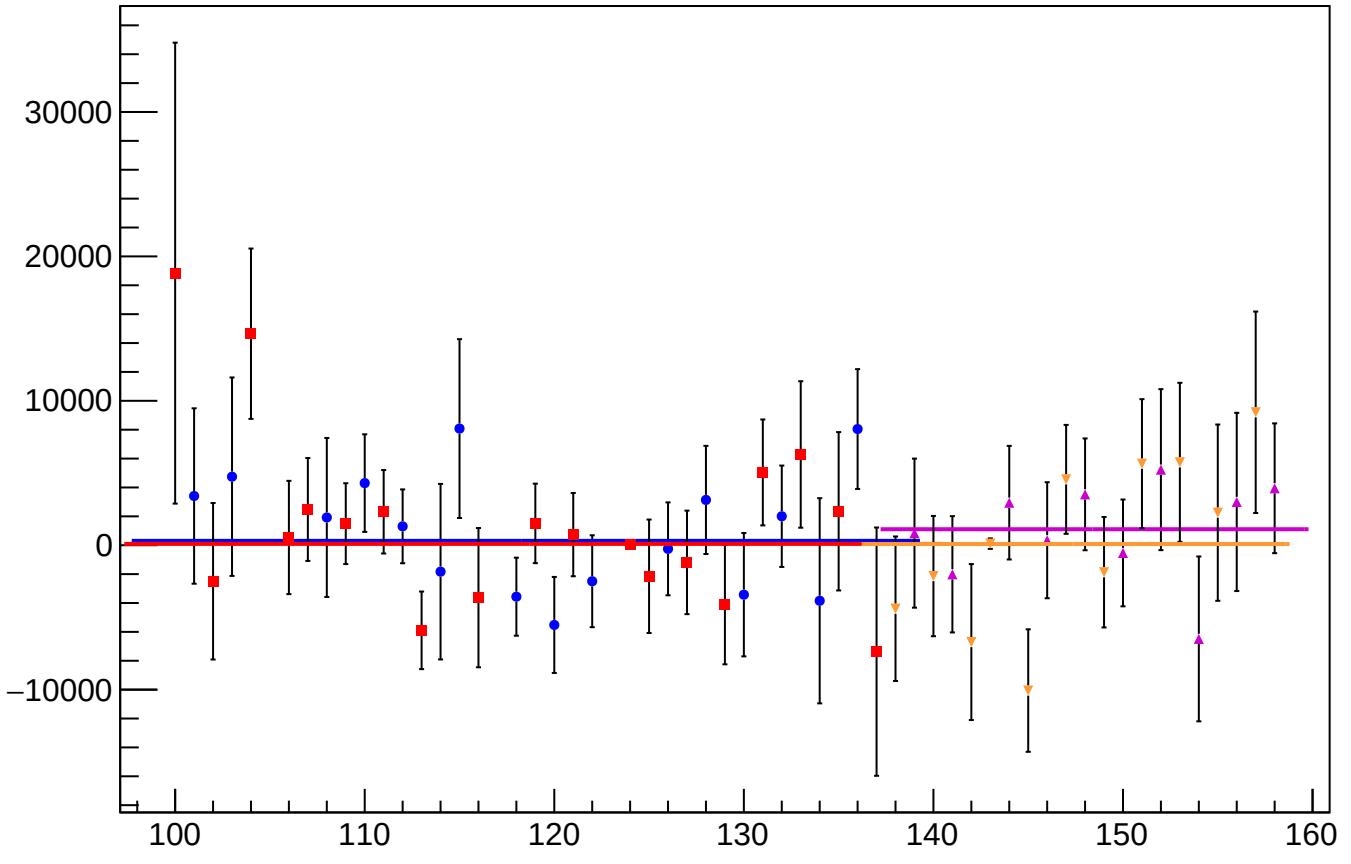
Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1767.902+/-0.423 χ^2/NDF:15972.1/9

+ sign 1734.401+/-0.310 χ^2/NDF: 502815.7/26

All: 1734.222+/-0.218 χ^2/NDF: 920257.4/55

- sign 1734.045+/-0.307 χ^2/NDF: 417441.1/28



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 83.143+/-353.550 χ^2/NDF:14.5/10

Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

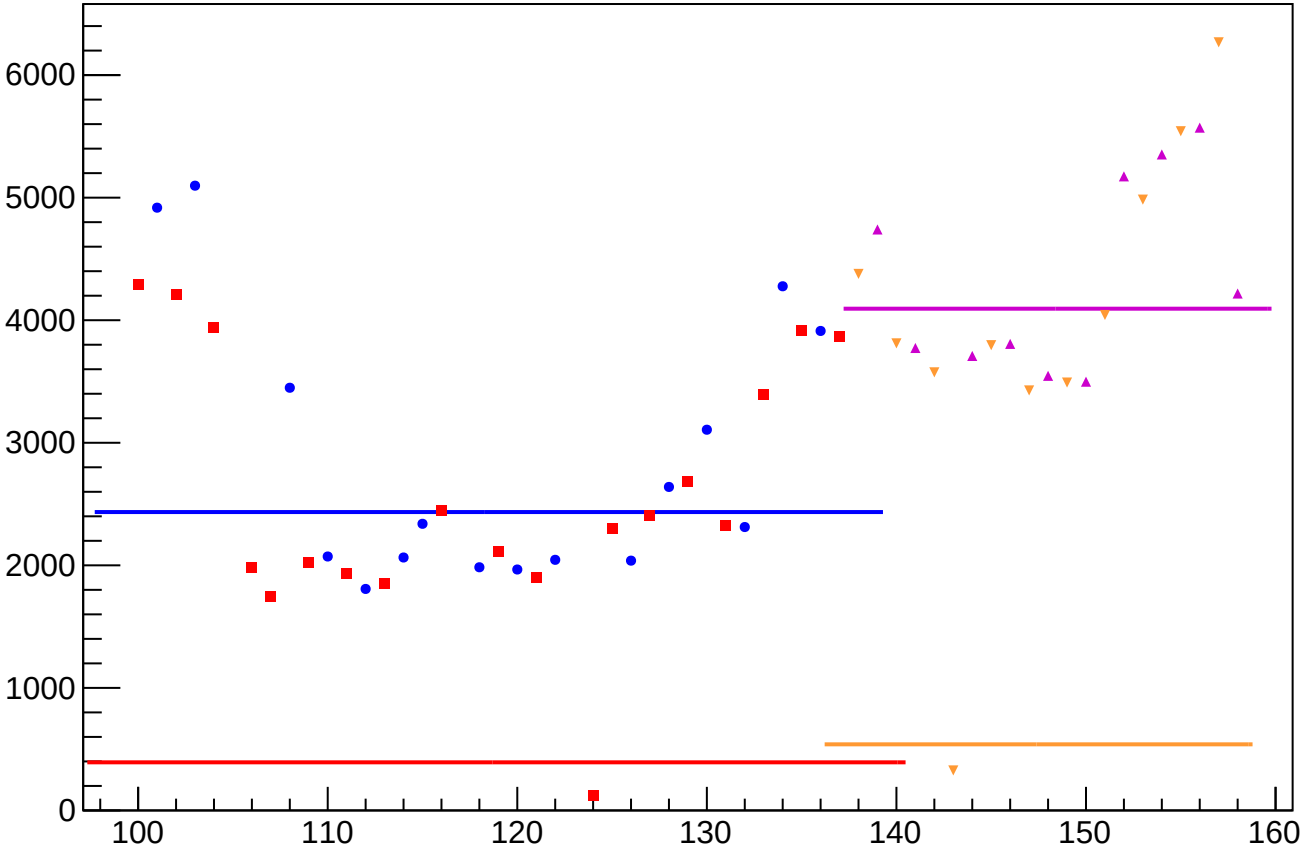
Left In: 1107.491+/-1408.086 χ^2/NDF:4.3/9

+ sign 109.216+/-331.806 χ^2/NDF: 29.9/26

All: 126.204+/-225.778 χ^2/NDF: 55.3/55

- sign 140.851+/-308.106 χ^2/NDF: 25.4/28

asym_atl_dd_cor_correction_rms vs Slug



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 539.519+/-0.250 χ^2/NDF:12496965.2/10

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

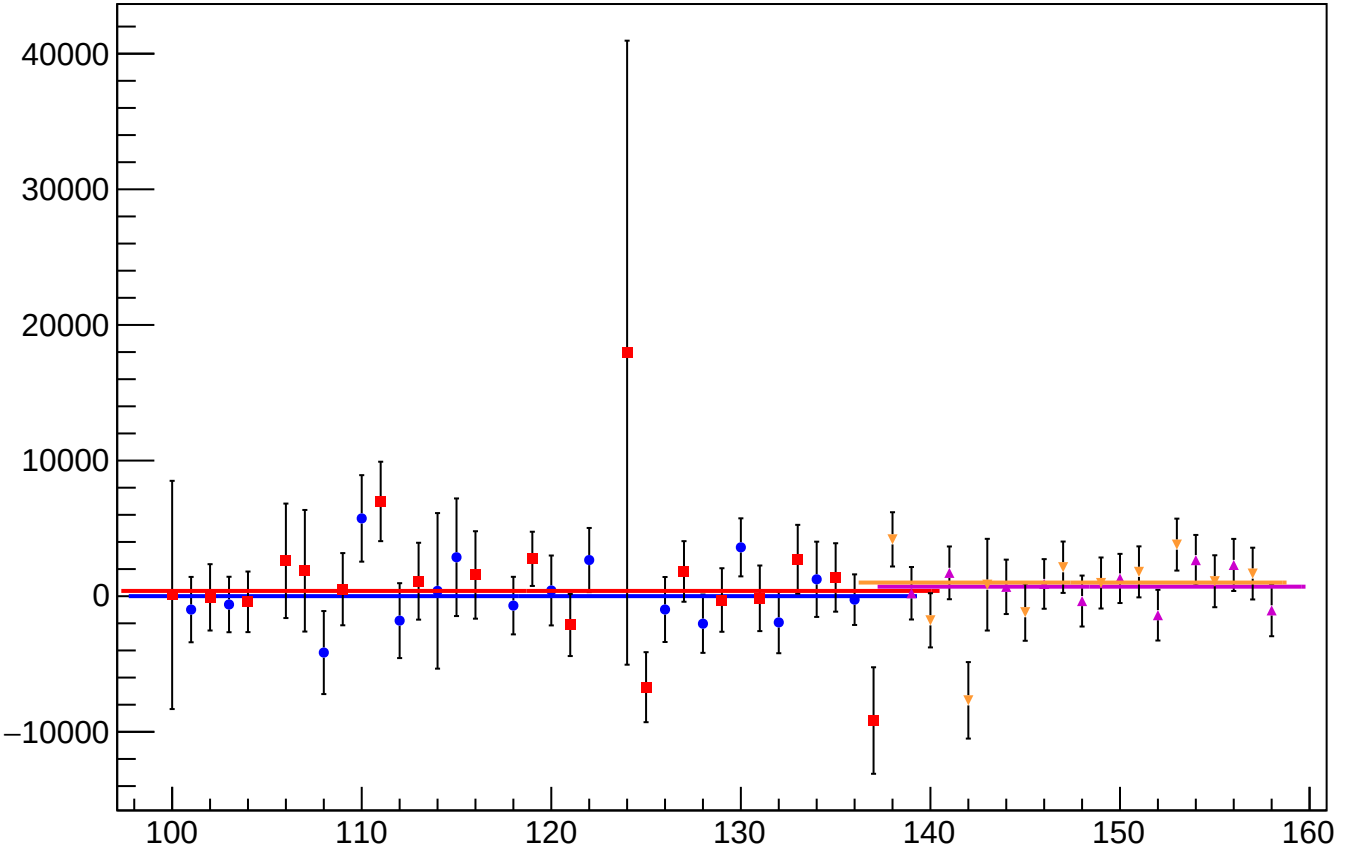
Left In: 4094.034+/-0.996 χ^2/NDF:453793.1/9

+ sign 765.477+/-0.235 χ^2/NDF: 20805032.0/26

All: 660.445+/-0.160 χ^2/NDF: 46197986.9/55

- sign 569.881+/-0.218 χ^2/NDF: 25019752.9/28

eigen_cor_asym_atl_dd_mean vs Slug



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 1006.362+/-619.827 χ^2/NDF:17.8/10

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

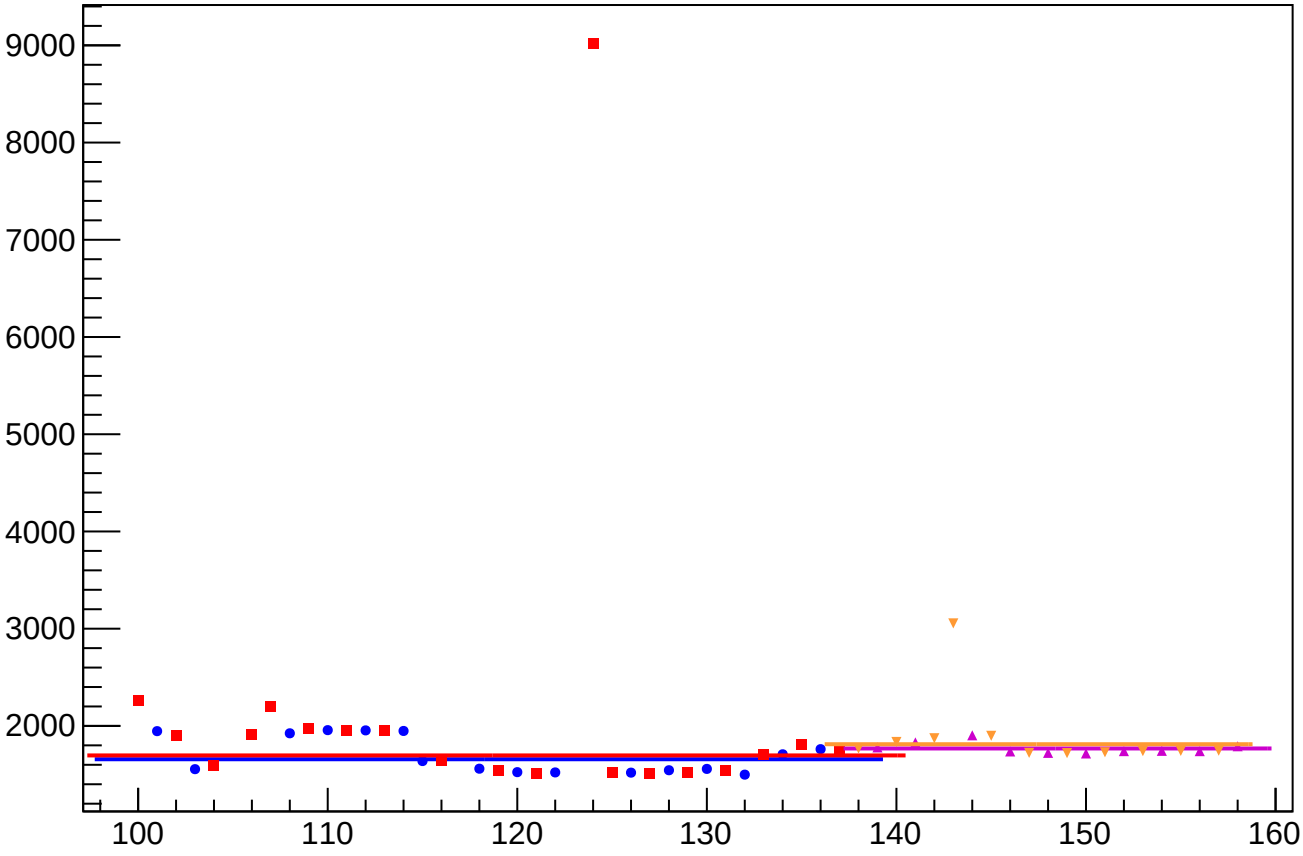
Left In: 703.071+/-598.821 χ^2/NDF:4.7/9

+ sign 505.392+/-438.312 χ^2/NDF: 31.6/26

All: 530.340+/-308.840 χ^2/NDF: 60.4/55

- sign 554.939+/-435.235 χ^2/NDF: 28.9/28

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1811.664+/-0.438 χ^2/NDF:296672.3/10

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

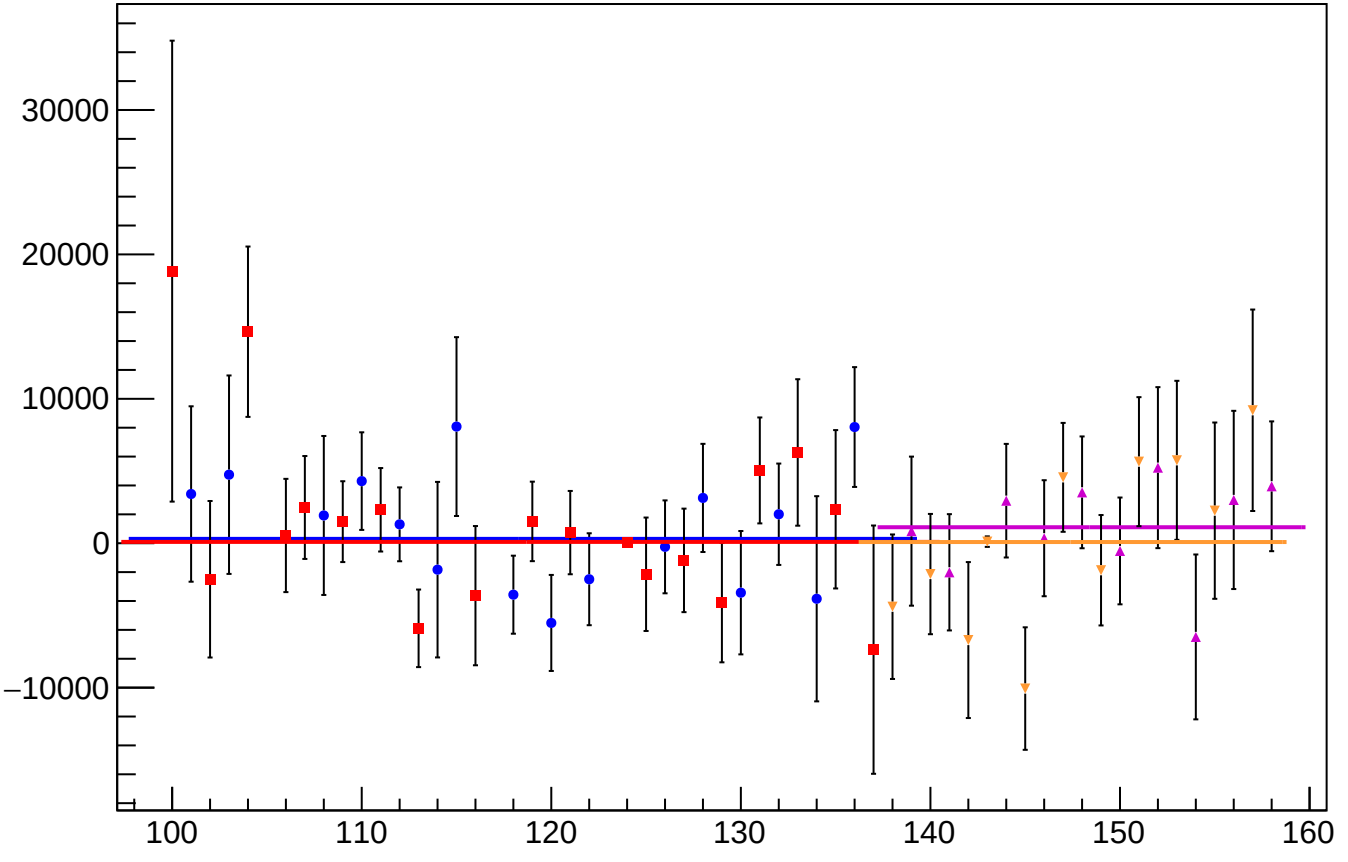
Left In: 1767.902+/-0.423 χ^2/NDF:15972.1/9

+ sign 1734.401+/-0.310 χ^2/NDF: 502815.7/26

All: 1734.222+/-0.218 χ^2/NDF: 920257.4/55

- sign 1734.045+/-0.307 χ^2/NDF: 417441.1/28

asym_atl_dd_eigen_cor_correction_mean vs Slug



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 83.143+/-353.550 χ^2/NDF:14.5/10

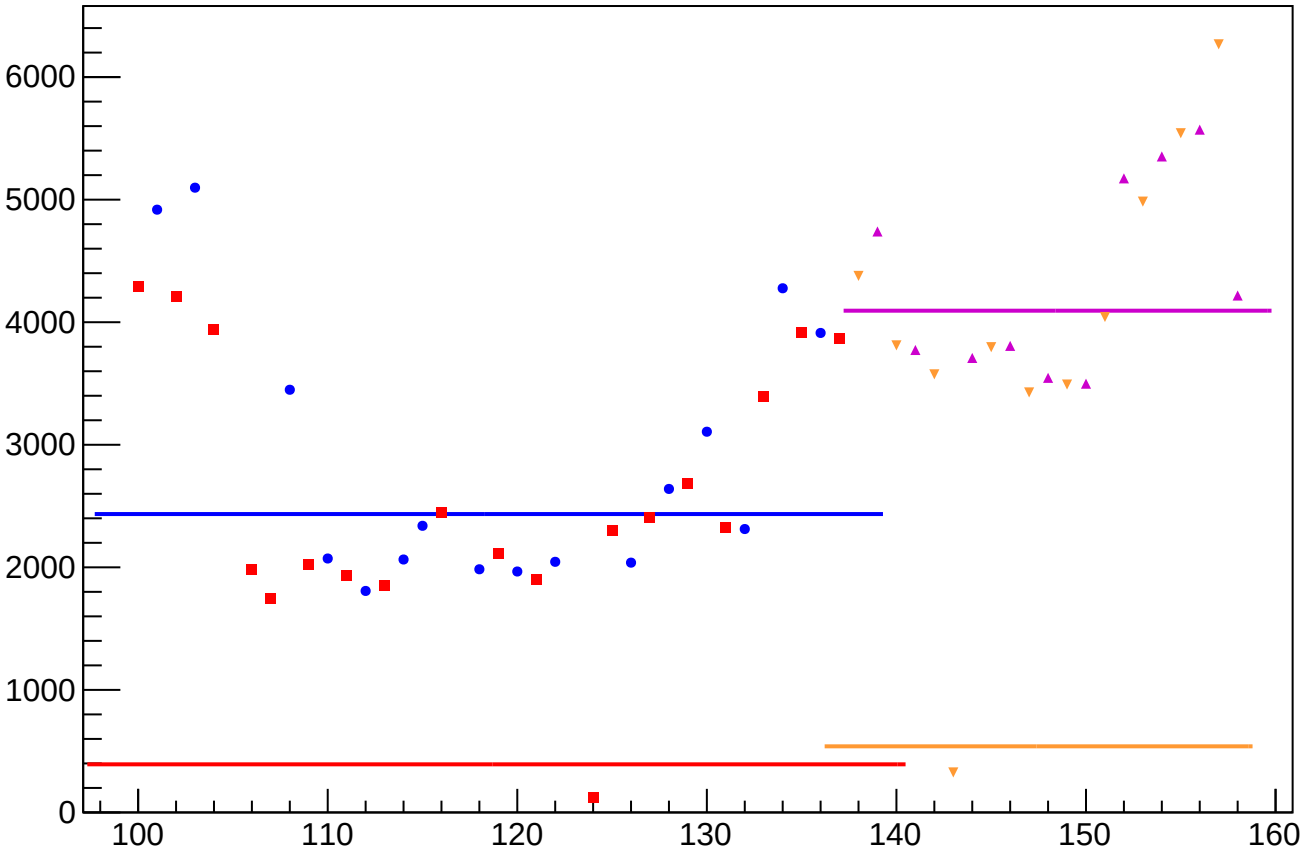
Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: 1107.491+/-1408.086 χ^2/NDF:4.3/9

+ sign 109.216+/-331.806 χ^2/NDF: 29.9/26

All: 126.204+/-225.778 χ^2/NDF: 55.3/55

- sign 140.851+/-308.106 χ^2/NDF: 25.4/28



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 539.519+/-0.250 χ^2/NDF:12496965.2/10

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

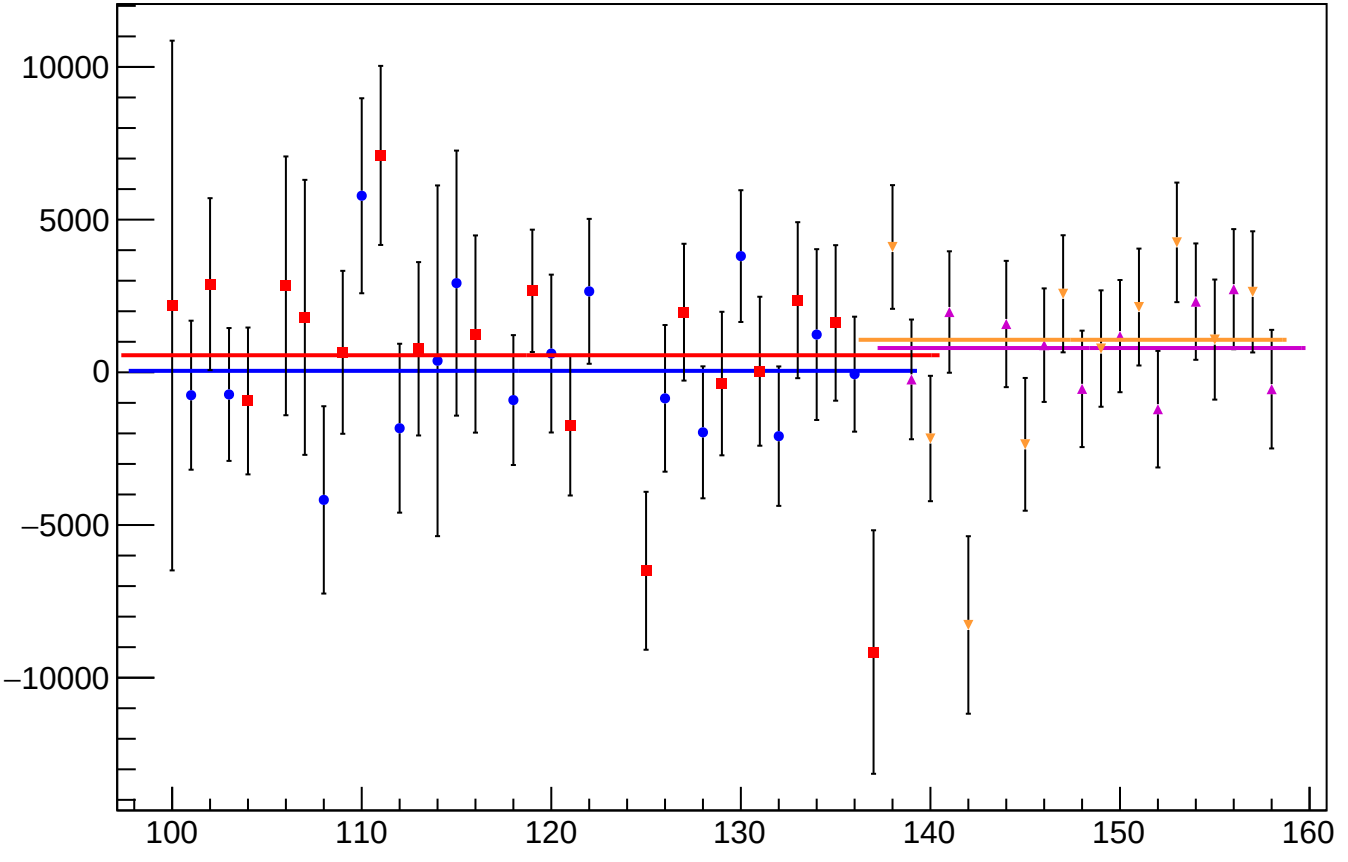
Left In: 4094.034+/-0.996 χ^2/NDF:453793.1/9

+ sign 765.477+/-0.235 χ^2/NDF: 20805032.0/26

All: 660.445+/-0.160 χ^2/NDF: 46197986.9/55

- sign 569.881+/-0.218 χ^2/NDF: 25019752.9/28

dit_asym_atl_dd_mean vs Slug



Right In: 48.331+/-626.151 χ^2/NDF: 12.8/15

Left Out: 1065.481+/-644.812 χ^2/NDF:21.8/9

Right Out: 559.598+/-645.291 χ^2/NDF: 23.3/17

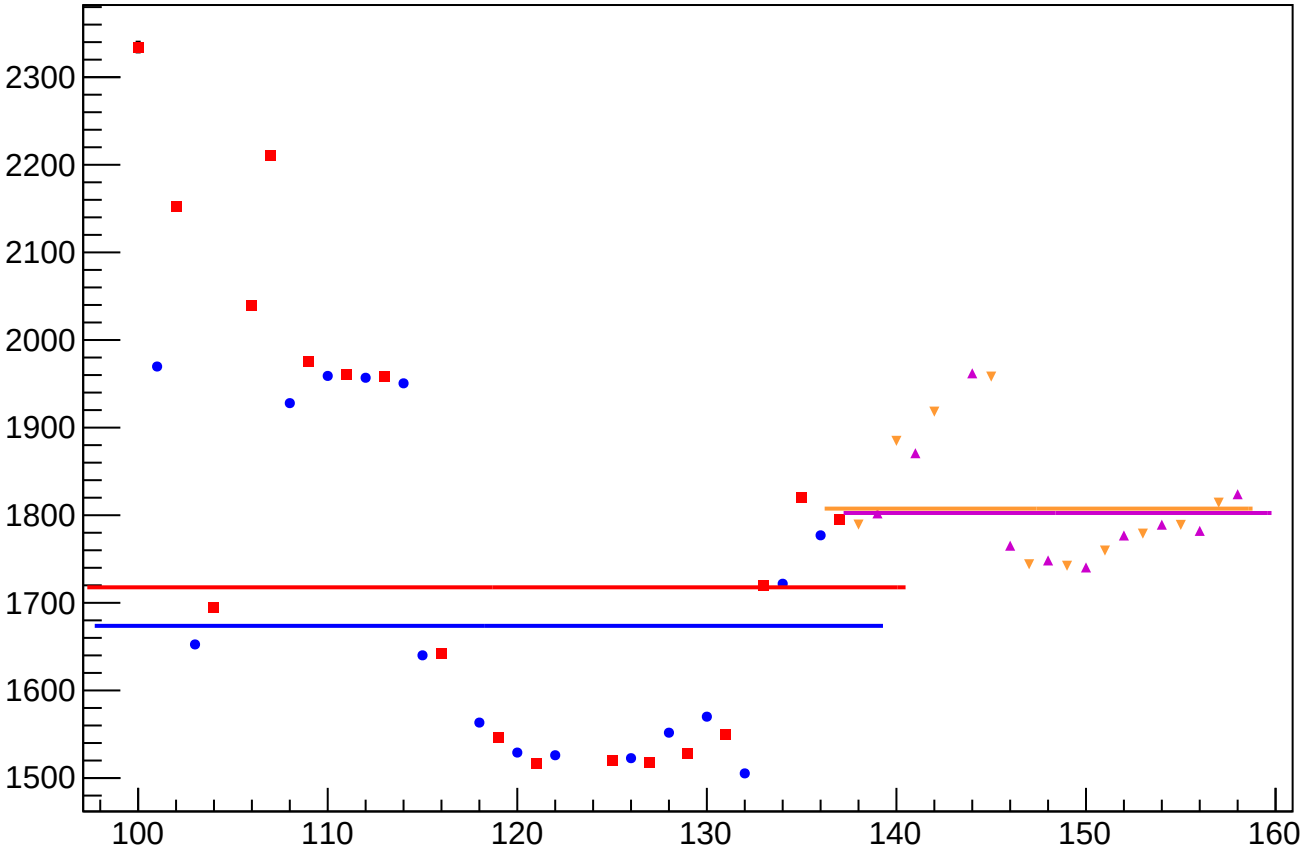
Left In: 795.722+/-610.656 χ^2/NDF:4.5/9

\+ sign 541.975+/-449.208 χ^2/NDF: 35.9/25

All: 613.974+/-315.614 χ^2/NDF: 63.8/53

\- sign 684.167+/-443.538 χ^2/NDF: 27.8/27

dit_asym_atl_dd_rms vs Slug



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1807.561+/-0.456 χ^2/NDF:21927.9/9

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

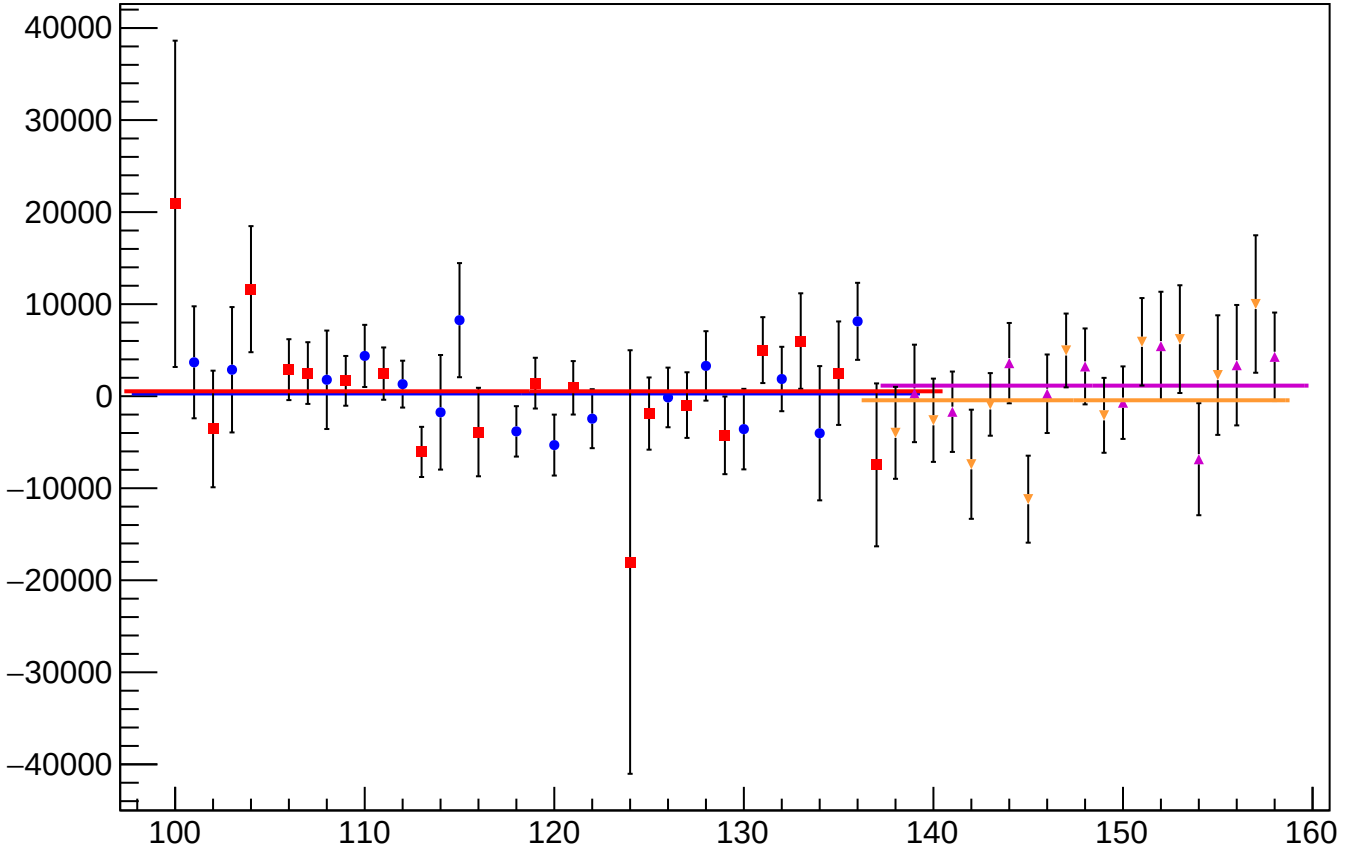
Left In: 1802.564+/-0.432 χ^2/NDF:19872.0/9

+ sign 1738.680+/-0.318 χ^2/NDF: 207144.1/25

All: 1750.693+/-0.223 χ^2/NDF: 475767.3/53

- sign 1762.379+/-0.313 χ^2/NDF: 265801.6/27

asym_atl_dd_dit_correction_mean vs Slug



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: -444.567+/-1434.168 χ^2/NDF:14.5/10

Right Out: 531.007+/-883.969 χ^2/NDF: 18.8/18

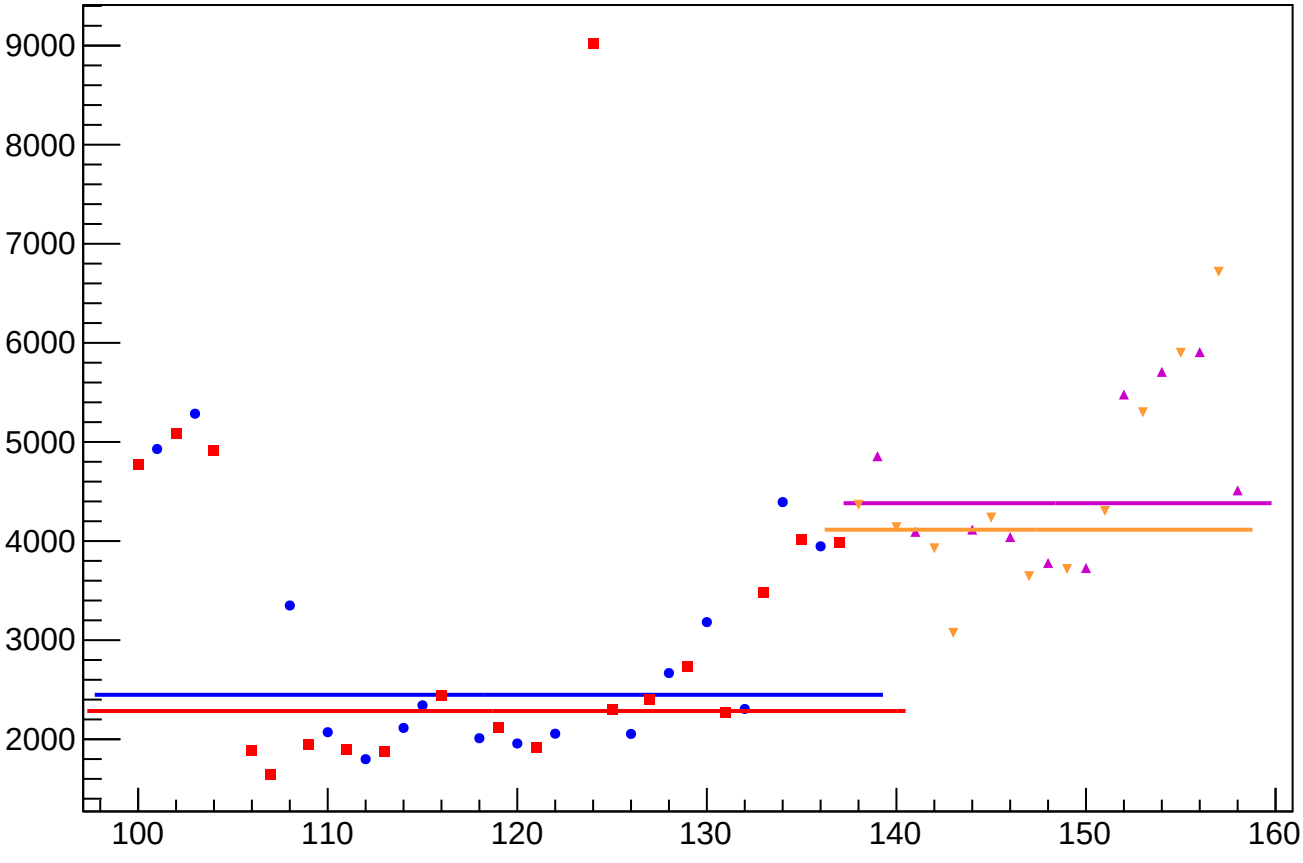
Left In: 1146.144+/-1505.805 χ^2/NDF:4.1/9

+ sign 65.666+/-800.447 χ^2/NDF: 29.9/26

All: 392.354+/-552.029 χ^2/NDF: 53.2/55

- sign 688.663+/-762.321 χ^2/NDF: 23.0/28

asym_atl_dd_dit_correction_rms vs Slug



Right In: 2448.598+/-0.682 χ^2/NDF: 1517585.7/15

Left Out: 4114.523+/-1.014 χ^2/NDF:721209.0/10

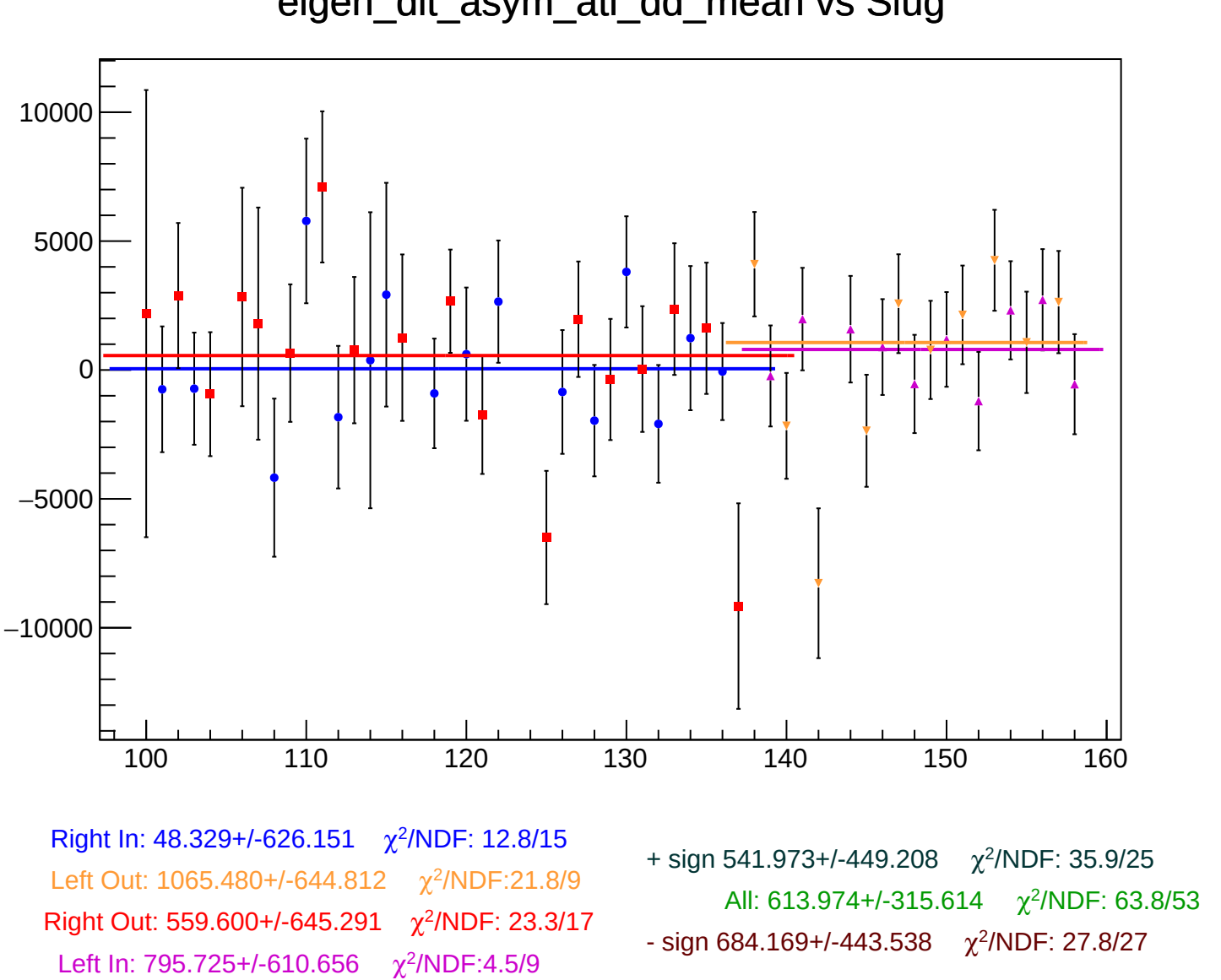
Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

Left In: 4382.045+/-1.065 χ^2/NDF:416963.2/9

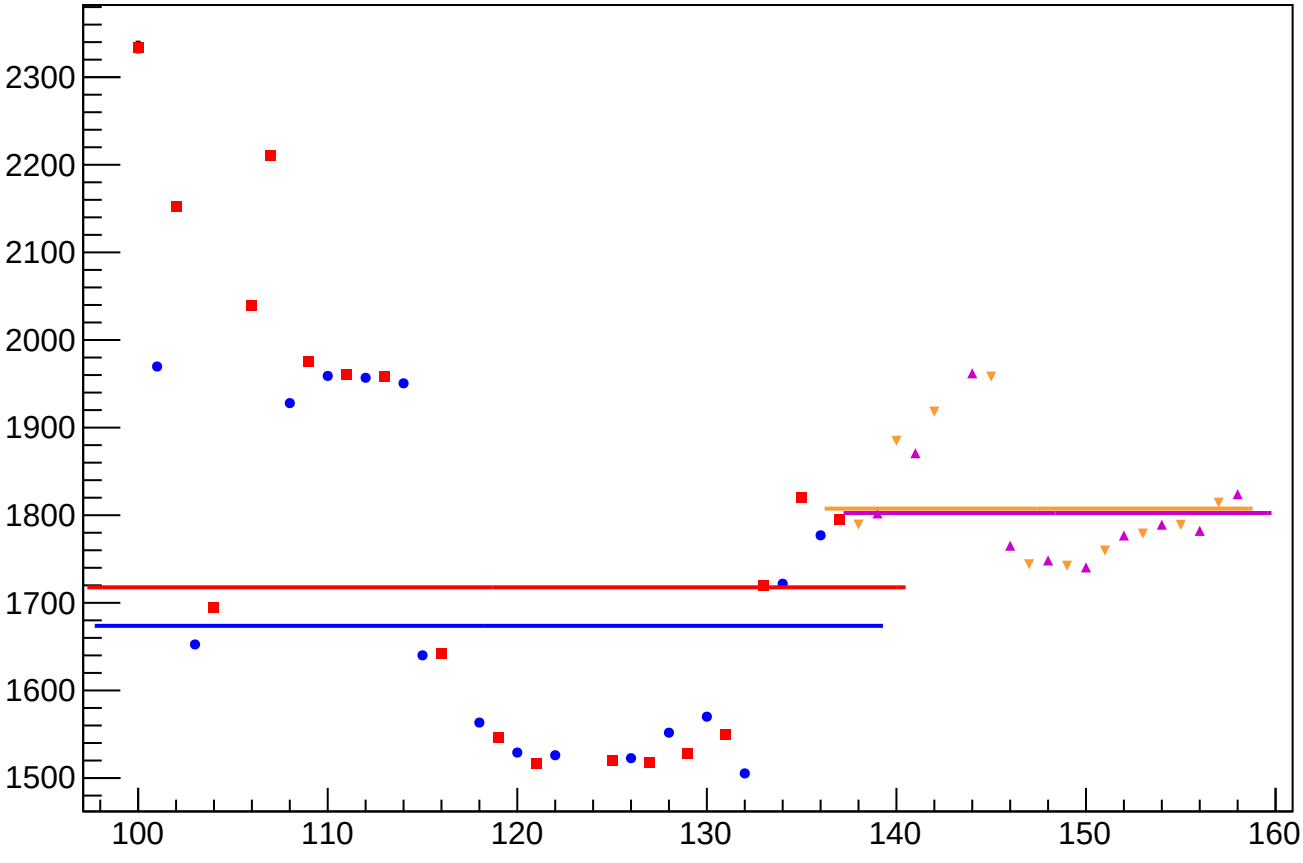
+ sign 2967.542+/-0.566 χ^2/NDF: 4096776.3/26

All: 2891.492+/-0.390 χ^2/NDF: 8981539.7/55

- sign 2822.515+/-0.539 χ^2/NDF: 4850335.6/28


eigen_dit_asym_atl_dd_mean vs Slug
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: 48.329+/-626.151 χ²/NDF: 12.8/15
Left Out: 1065.480+/-644.812 χ²/NDF:21.8/9
Right Out: 559.600+/-645.291 χ²/NDF: 23.3/17
Left In: 795.725+/-610.656 χ²/NDF:4.5/9
+ sign 541.973+/-449.208 χ²/NDF: 35.9/25
All: 613.974+/-315.614 χ²/NDF: 63.8/53
- sign 684.169+/-443.538 χ²/NDF: 27.8/27

eigen_dit_asym_atl_dd_rms vs Slug



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1807.563+/-0.456 χ^2/NDF:21928.3/9

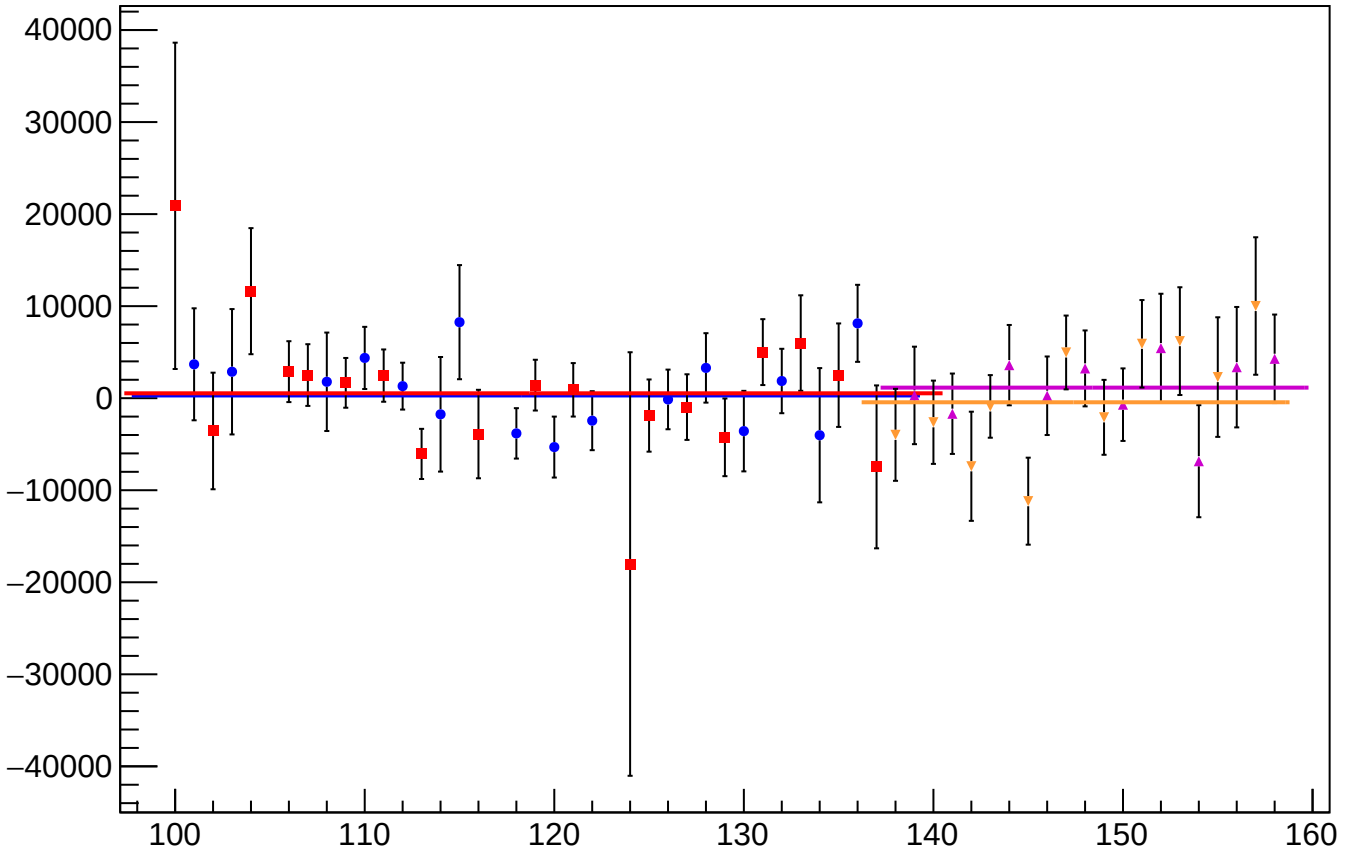
Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

Left In: 1802.565+/-0.432 χ^2/NDF:19872.2/9

+ sign 1738.681+/-0.318 χ^2/NDF: 207145.4/25

All: 1750.693+/-0.223 χ^2/NDF: 475768.6/53

- sign 1762.379+/-0.313 χ^2/NDF: 265801.6/27



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: -444.563+/-1434.170 χ^2/NDF:14.5/10

Right Out: 531.009+/-883.966 χ^2/NDF: 18.8/18

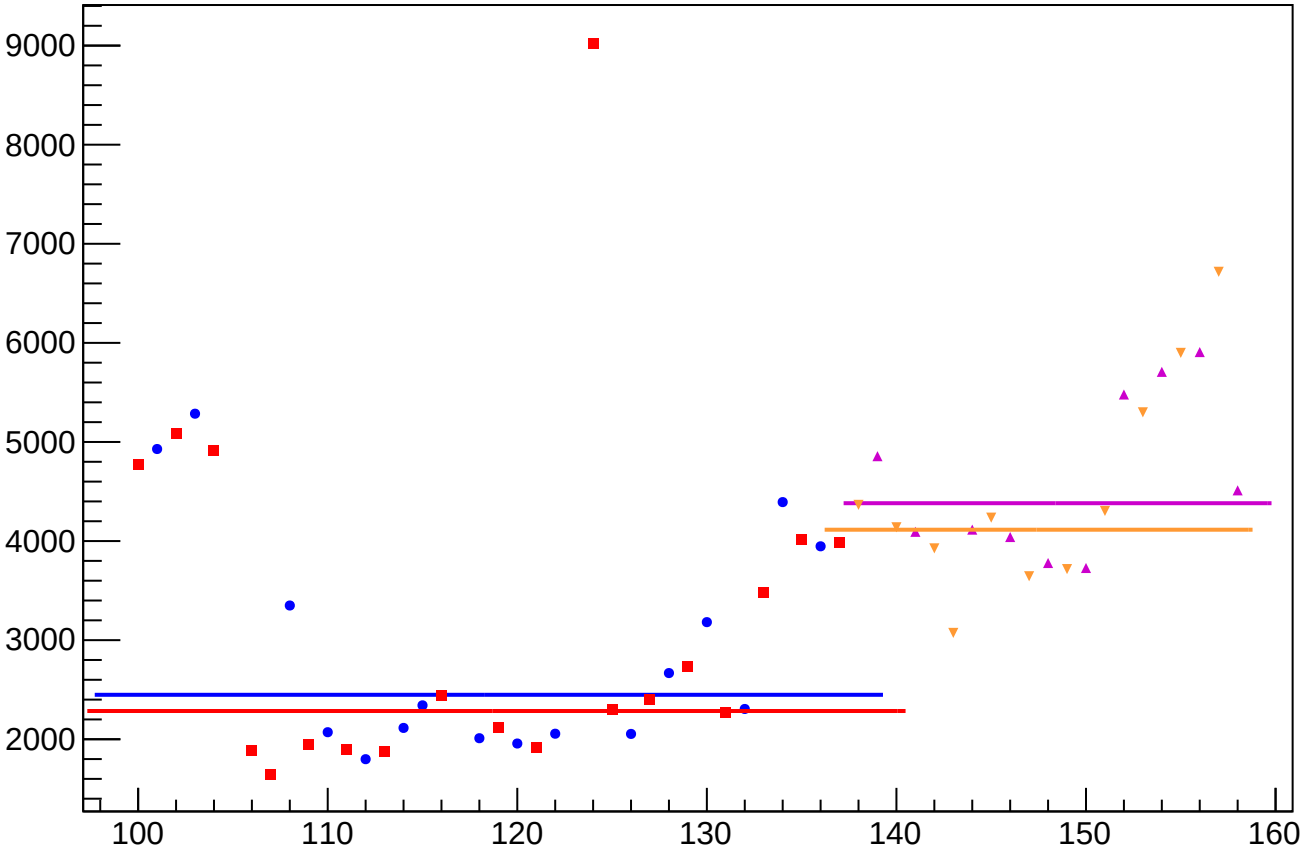
Left In: 1146.146+/-1505.807 χ^2/NDF:4.1/9

+ sign 65.664+/-800.445 χ^2/NDF: 29.9/26

All: 392.354+/-552.027 χ^2/NDF: 53.2/55

- sign 688.664+/-762.319 χ^2/NDF: 23.0/28

asym_atl_dd_eigen_dit_correction_rms vs Slug



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 4114.527+/-1.014 χ^2/NDF:721212.9/10

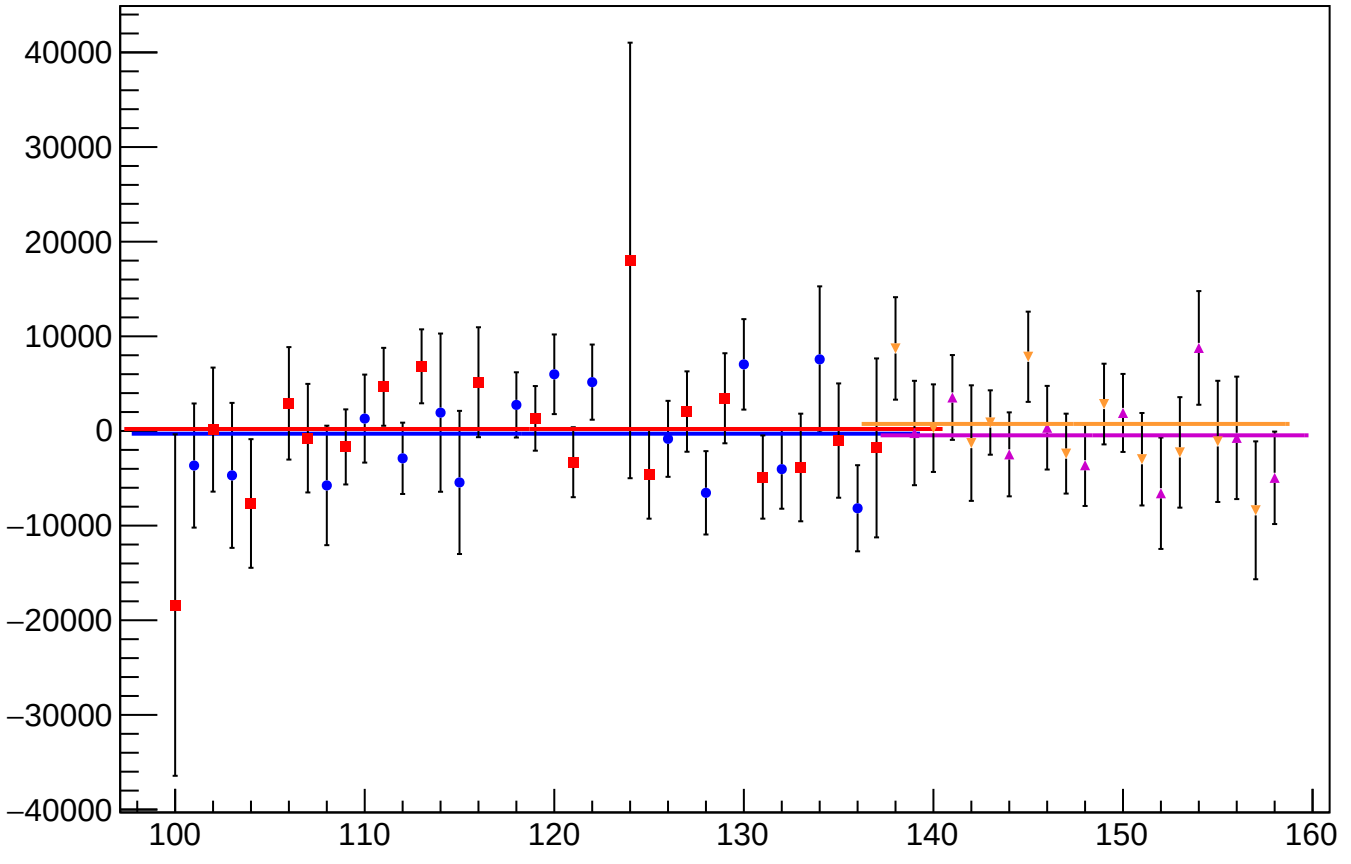
Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

Left In: 4382.050+/-1.065 χ^2/NDF:416966.0/9

+ sign 2967.532+/-0.566 χ^2/NDF: 4096828.2/26

All: 2891.483+/-0.390 χ^2/NDF: 8981640.3/55

- sign 2822.506+/-0.539 χ^2/NDF: 4850384.5/28



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: 744.594+/-1468.596 χ^2/NDF:7.8/10

Right Out: 209.473+/-1153.742 χ^2/NDF: 12.9/18

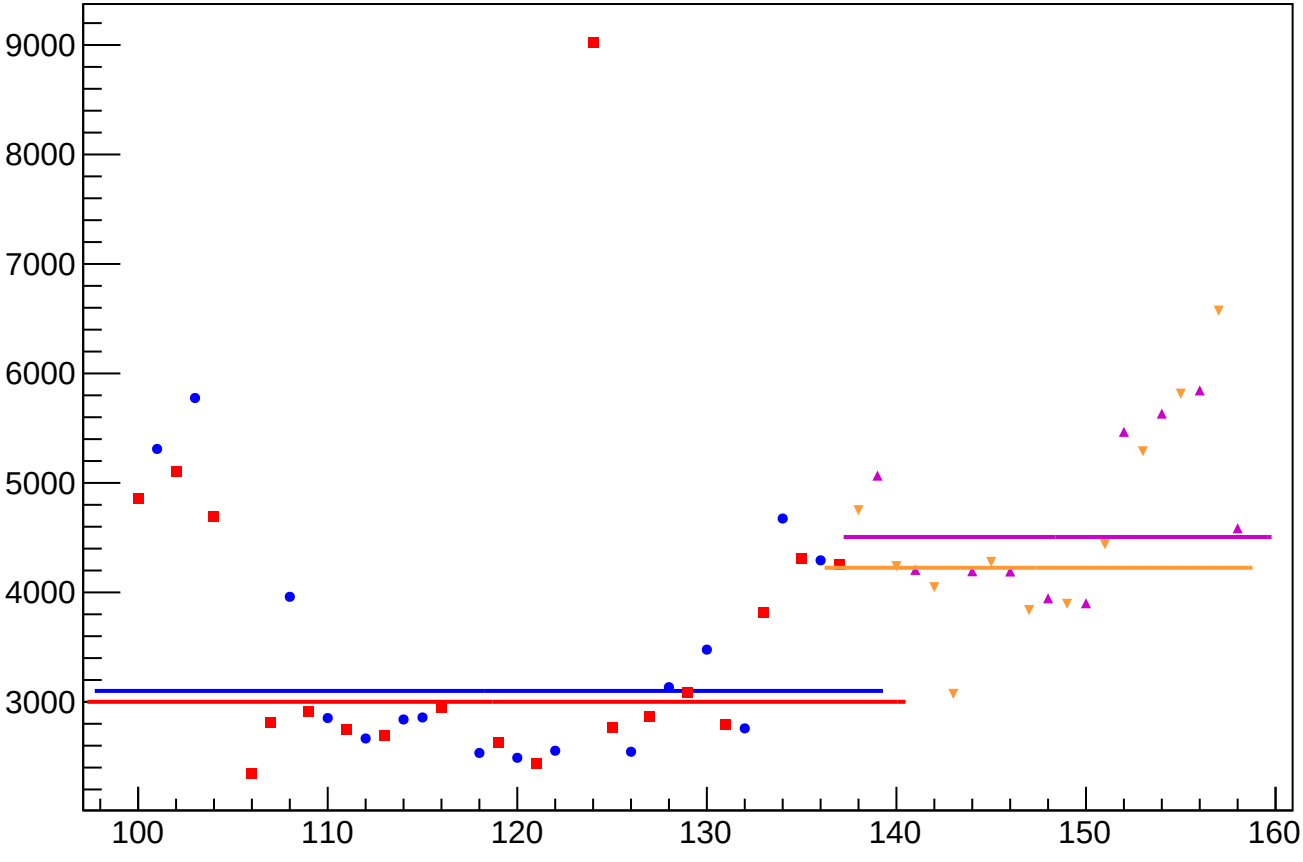
Left In: -459.595+/-1543.272 χ^2/NDF:6.2/9

+ sign 124.743+/-928.001 χ^2/NDF: 24.7/26

All: 46.840+/-654.798 χ^2/NDF: 43.9/55

- sign -30.402+/-924.059 χ^2/NDF: 19.2/28

asym_atl_dd_rms vs Slug



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 4225.058+/-1.038 χ^2/NDF:680210.8/10

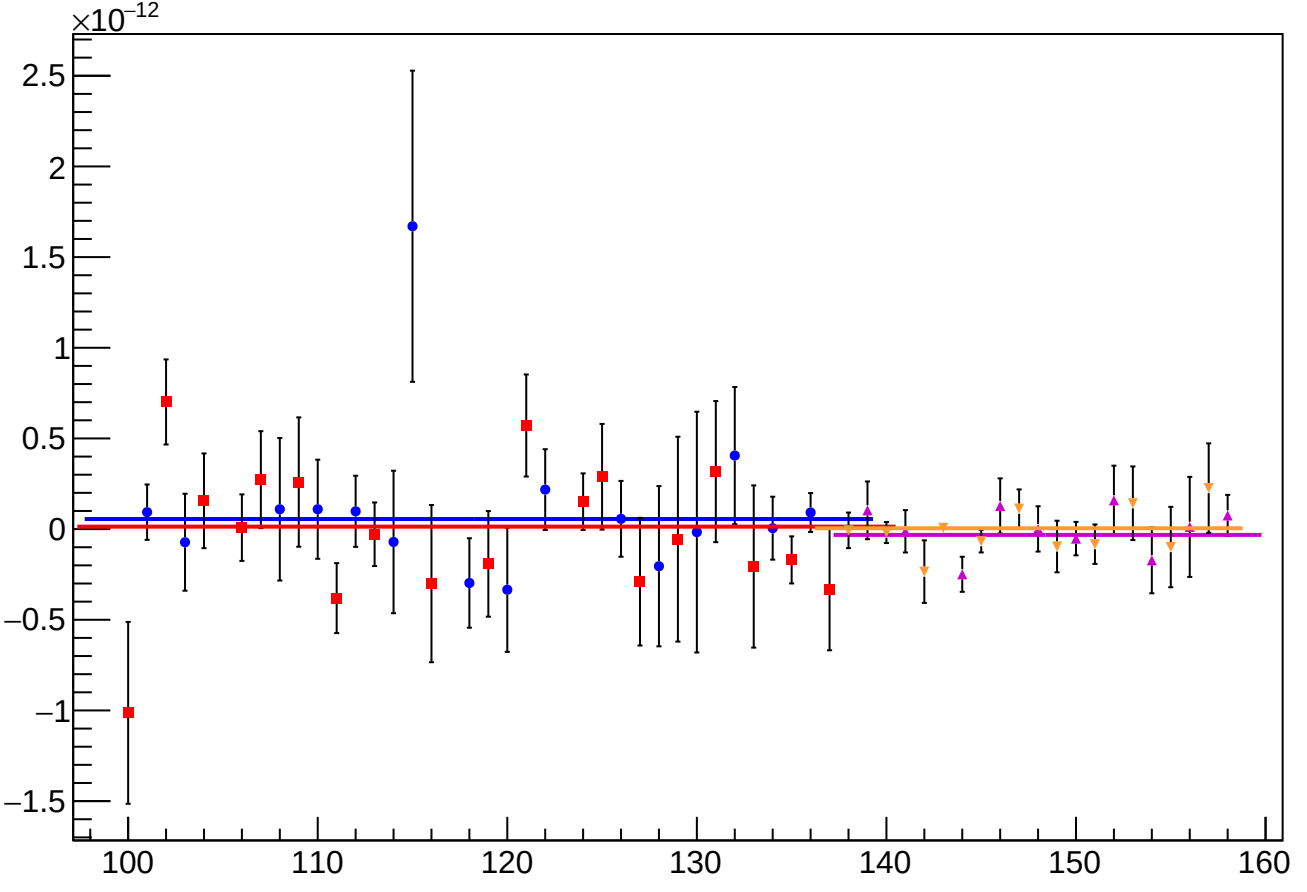
Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 4506.030+/-1.091 χ^2/NDF:336574.3/9

+ sign 3549.308+/-0.656 χ^2/NDF: 2348791.3/26

All: 3540.061+/-0.461 χ^2/NDF: 4724775.0/55

- sign 3531.052+/-0.648 χ^2/NDF: 2375591.7/28



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.2/10

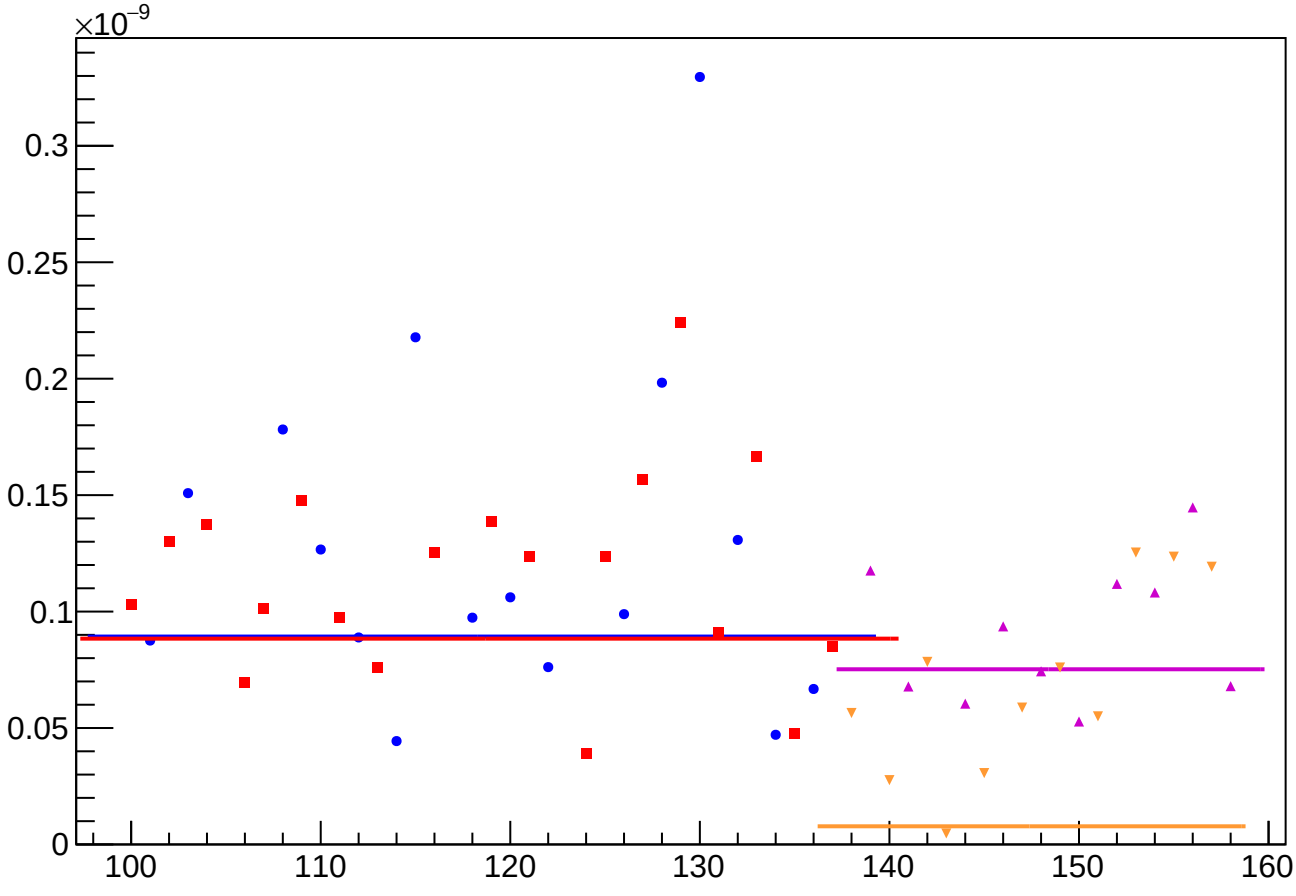
Right Out: 0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: -0.000+/-0.000 χ^2/NDF:9.5/9

+ sign 0.000+/-0.000 χ^2/NDF: 17.3/26

All: 0.000+/-0.000 χ^2/NDF: 57.7/55

- sign -0.000+/-0.000 χ^2/NDF: 40.0/28



Right In: 0.000+/-0.000 χ^2/NDF: 949608.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:4486475.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1013814.1/18

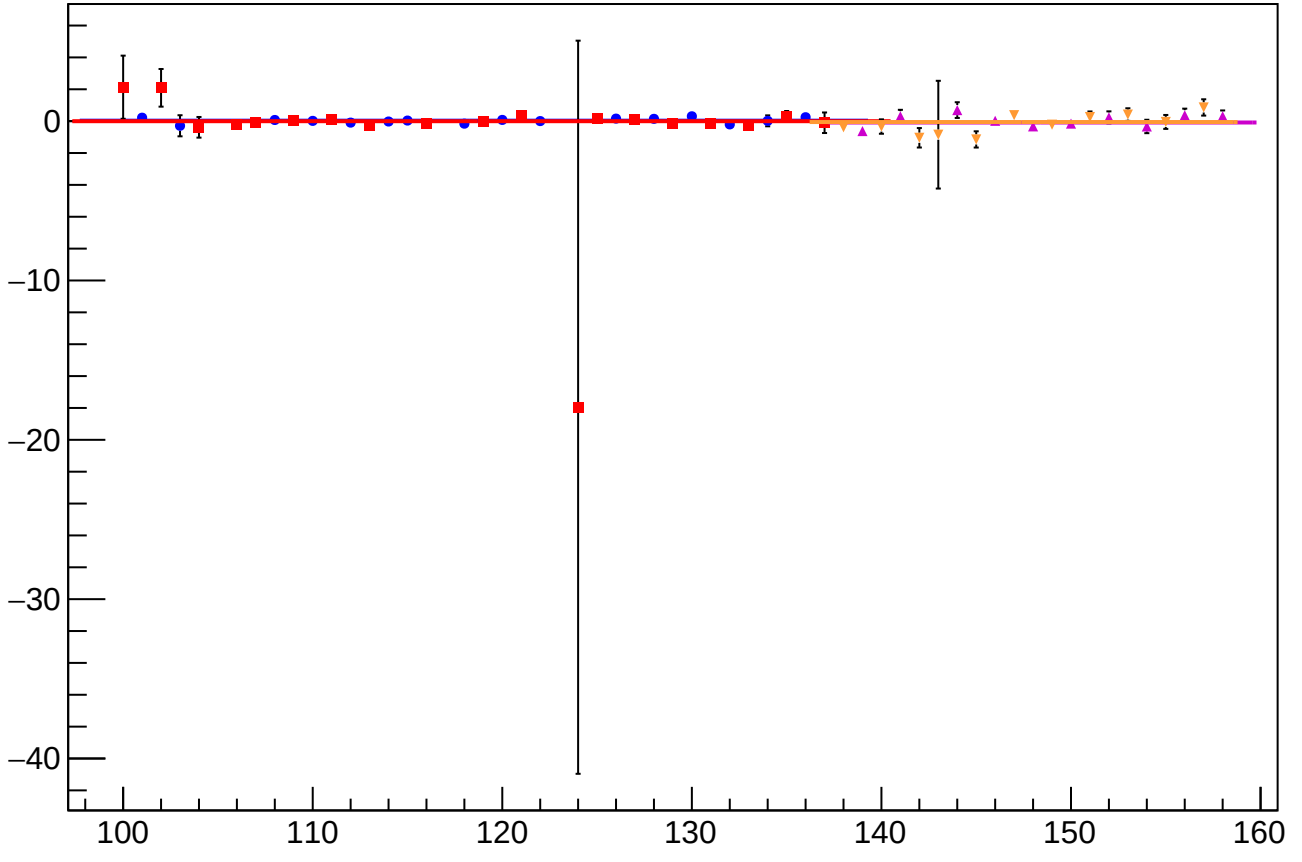
Left In: 0.000+/-0.000 χ^2/NDF:618552.0/9

+ sign 0.000+/-0.000 χ^2/NDF: 9502797.2/26

All: 0.000+/-0.000 χ^2/NDF: 19661412.7/55

- sign 0.000+/-0.000 χ^2/NDF: 1704498.2/28

asym_atl_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.056+/-0.120 χ^2/NDF:16.8/10

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

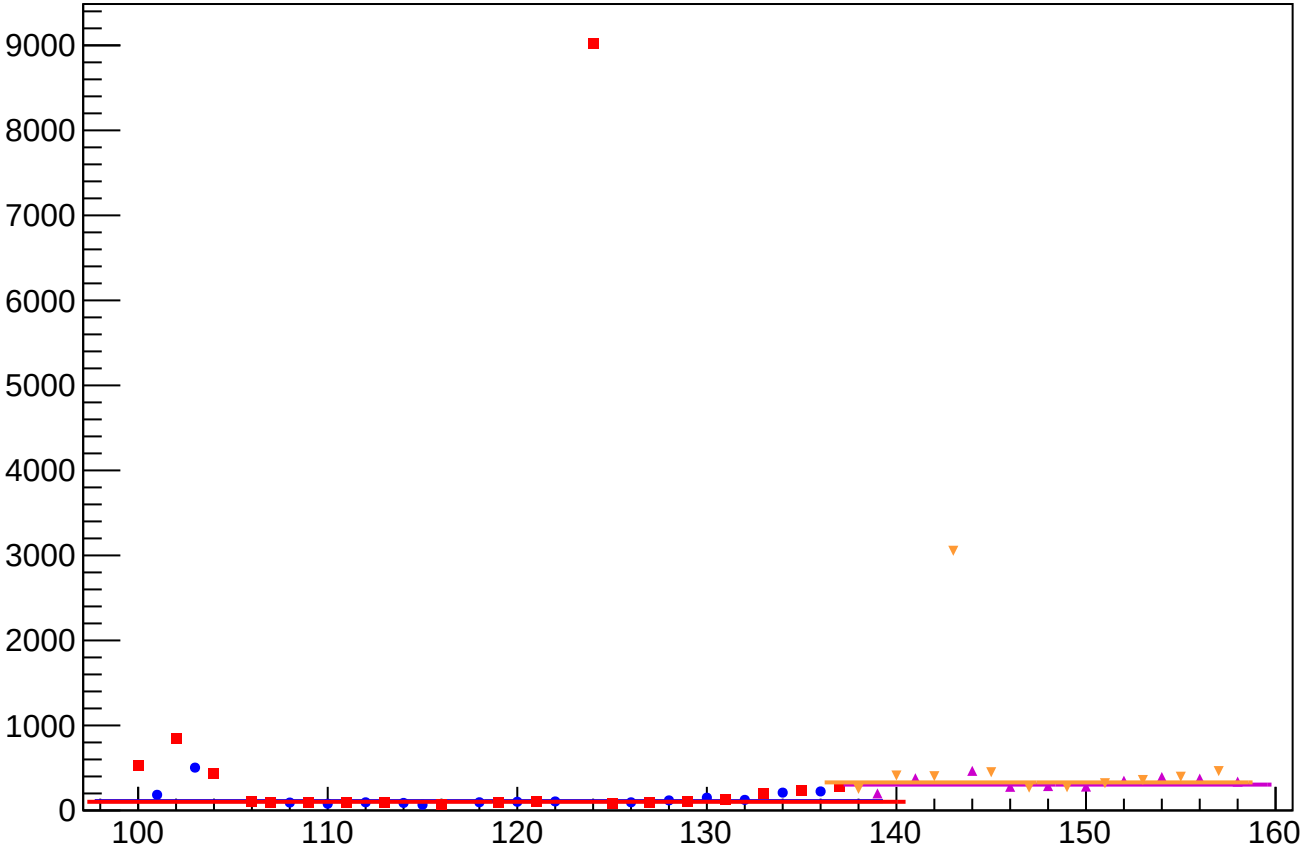
Left In: -0.085+/-0.107 χ^2/NDF:13.0/9

+ sign 0.018+/-0.042 χ^2/NDF: 26.1/26

All: 0.001+/-0.029 χ^2/NDF: 62.3/55

- sign -0.015+/-0.040 χ^2/NDF: 35.9/28

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 330.070+/-0.085 χ^2/NDF:1990725.3/10

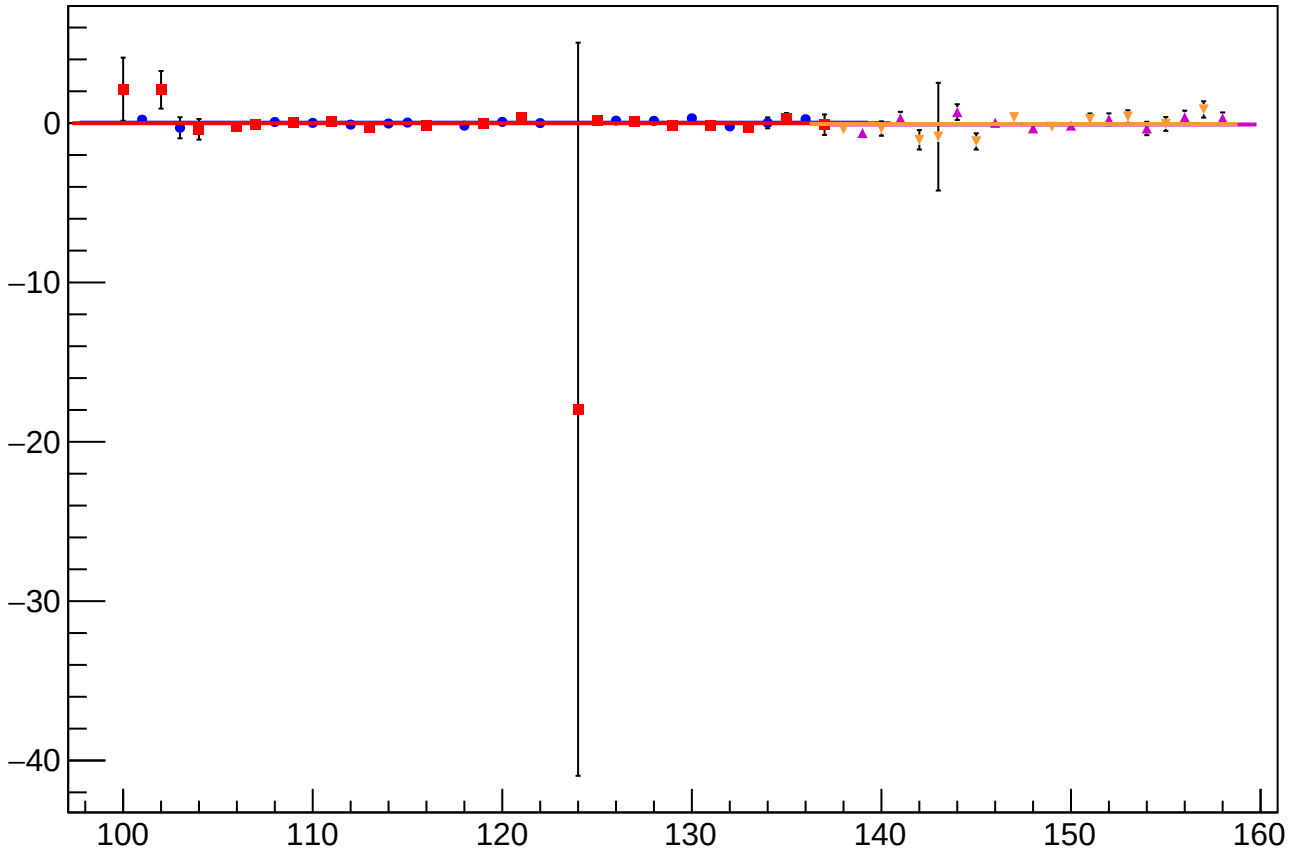
Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 304.028+/-0.076 χ^2/NDF:913097.0/9

+ sign 137.404+/-0.030 χ^2/NDF: 9801704.3/26

All: 133.695+/-0.021 χ^2/NDF: 19461431.6/55

- sign 130.358+/-0.028 χ^2/NDF: 9630631.6/28



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.056+/-0.120 χ^2/NDF:16.8/10

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

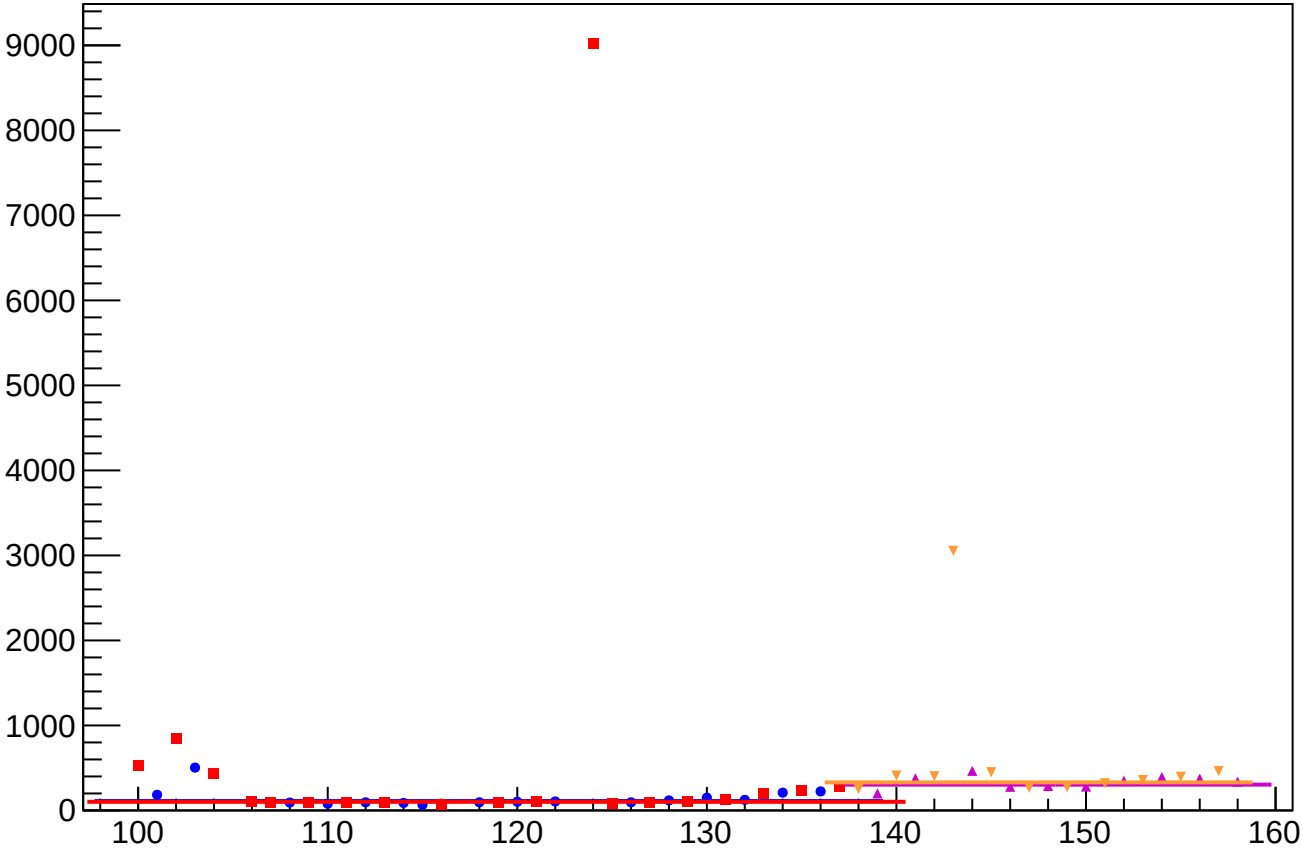
Left In: -0.085+/-0.107 χ^2/NDF:13.0/9

+ sign 0.018+/-0.042 χ^2/NDF: 26.1/26

All: 0.001+/-0.029 χ^2/NDF: 62.3/55

- sign -0.015+/-0.040 χ^2/NDF: 35.9/28

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 330.070+/-0.085 χ^2/NDF:1990725.3/10

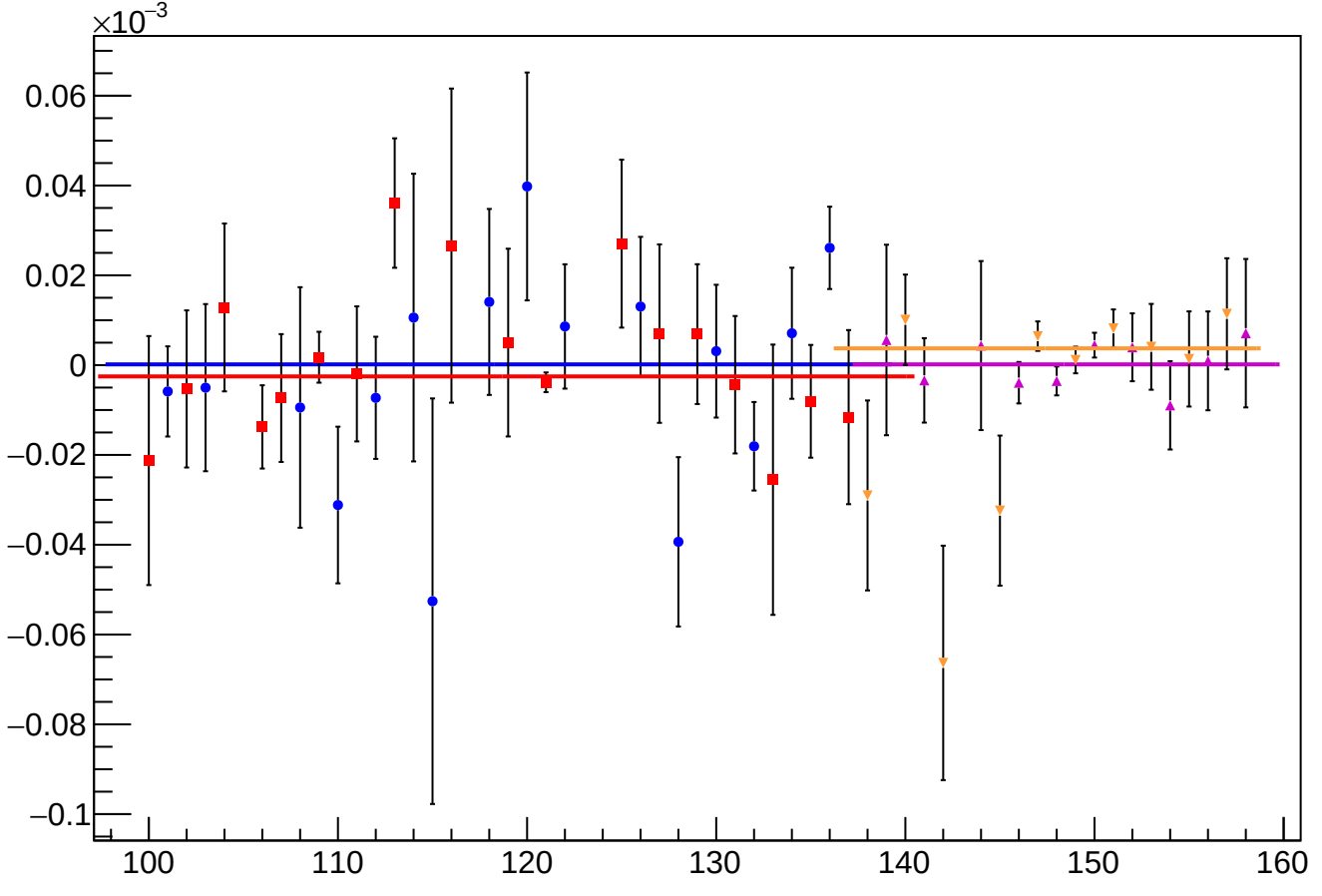
Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 304.028+/-0.076 χ^2/NDF:913097.0/9

+ sign 137.404+/-0.030 χ^2/NDF: 9801704.3/26

All: 133.695+/-0.021 χ^2/NDF: 19461431.6/55

- sign 130.358+/-0.028 χ^2/NDF: 9630631.6/28



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.7/9

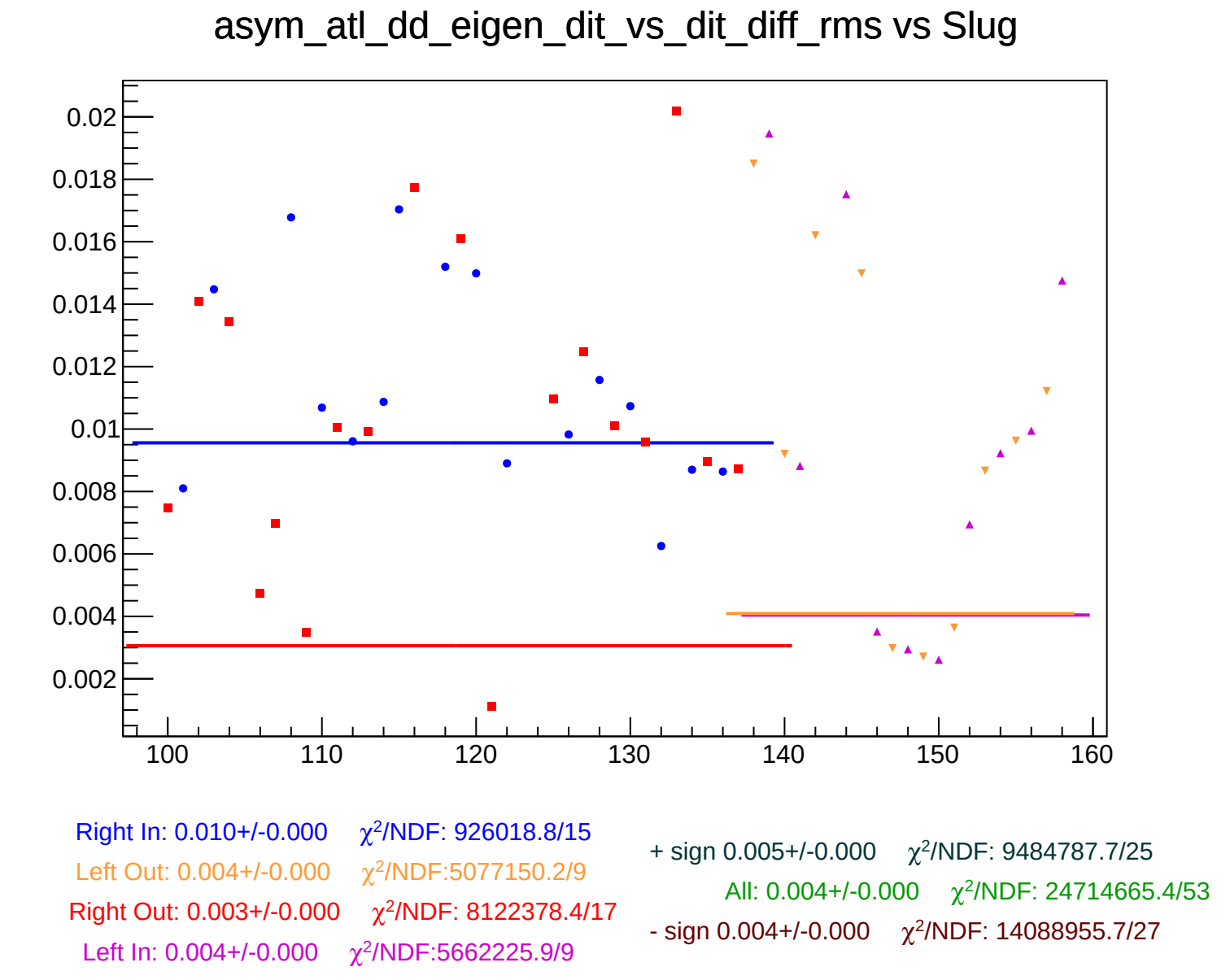
Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/17

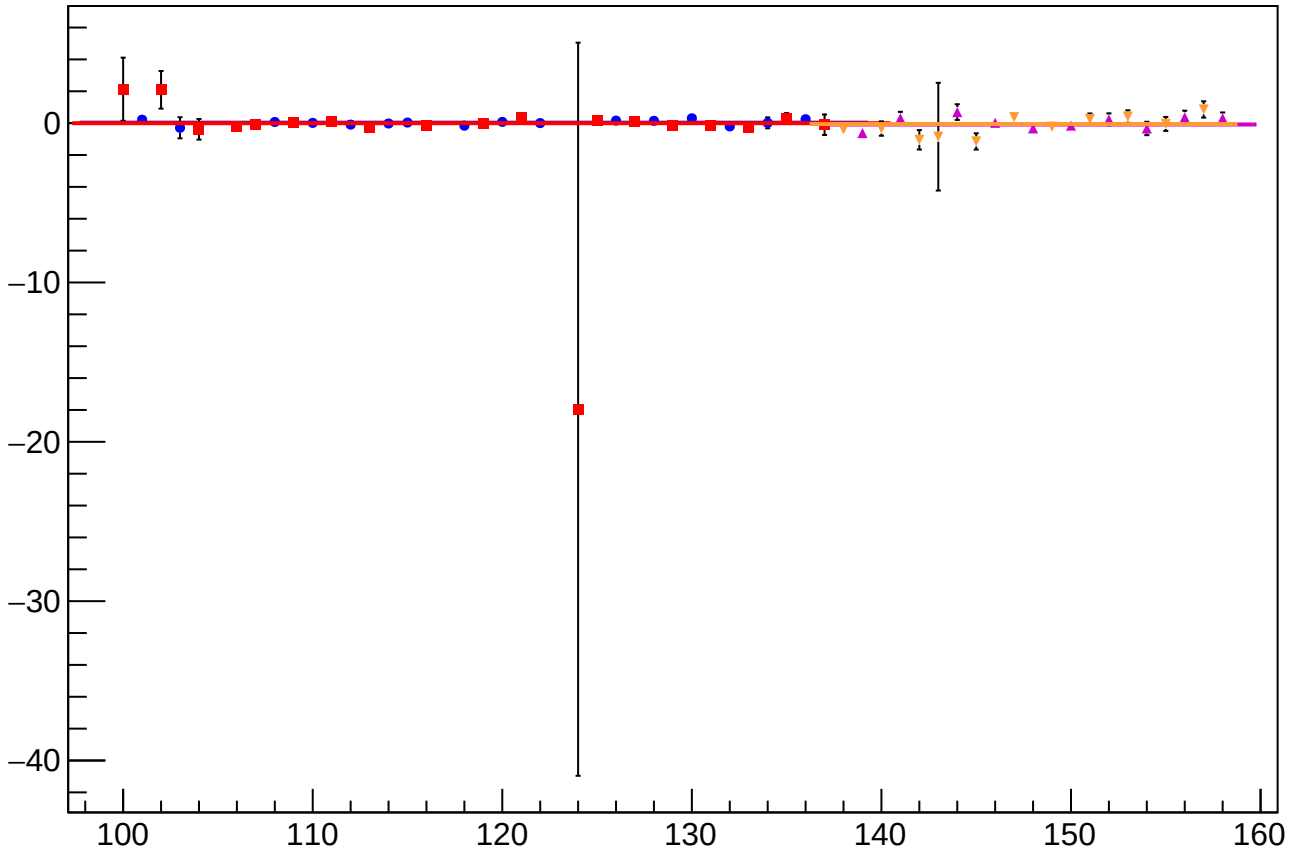
Left In: 0.000+/-0.000 χ^2/NDF:6.1/9

+ sign 0.000+/-0.000 χ^2/NDF: 44.0/25

All: 0.000+/-0.000 χ^2/NDF: 71.1/53

- sign -0.000+/-0.000 χ^2/NDF: 23.0/27


asym_atl_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
100
110
120
130
140
150
160
Right In: 0.010+/-0.000 χ²/NDF: 926018.8/15
Left Out: 0.004+/-0.000 χ²/NDF:5077150.2/9
Right Out: 0.003+/-0.000 χ²/NDF: 8122378.4/17
Left In: 0.004+/-0.000 χ²/NDF:5662225.9/9
+ sign 0.005+/-0.000 χ²/NDF: 9484787.7/25
All: 0.004+/-0.000 χ²/NDF: 24714665.4/53
- sign 0.004+/-0.000 χ²/NDF: 14088955.7/27



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.056+/-0.120 χ^2/NDF:16.8/10

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

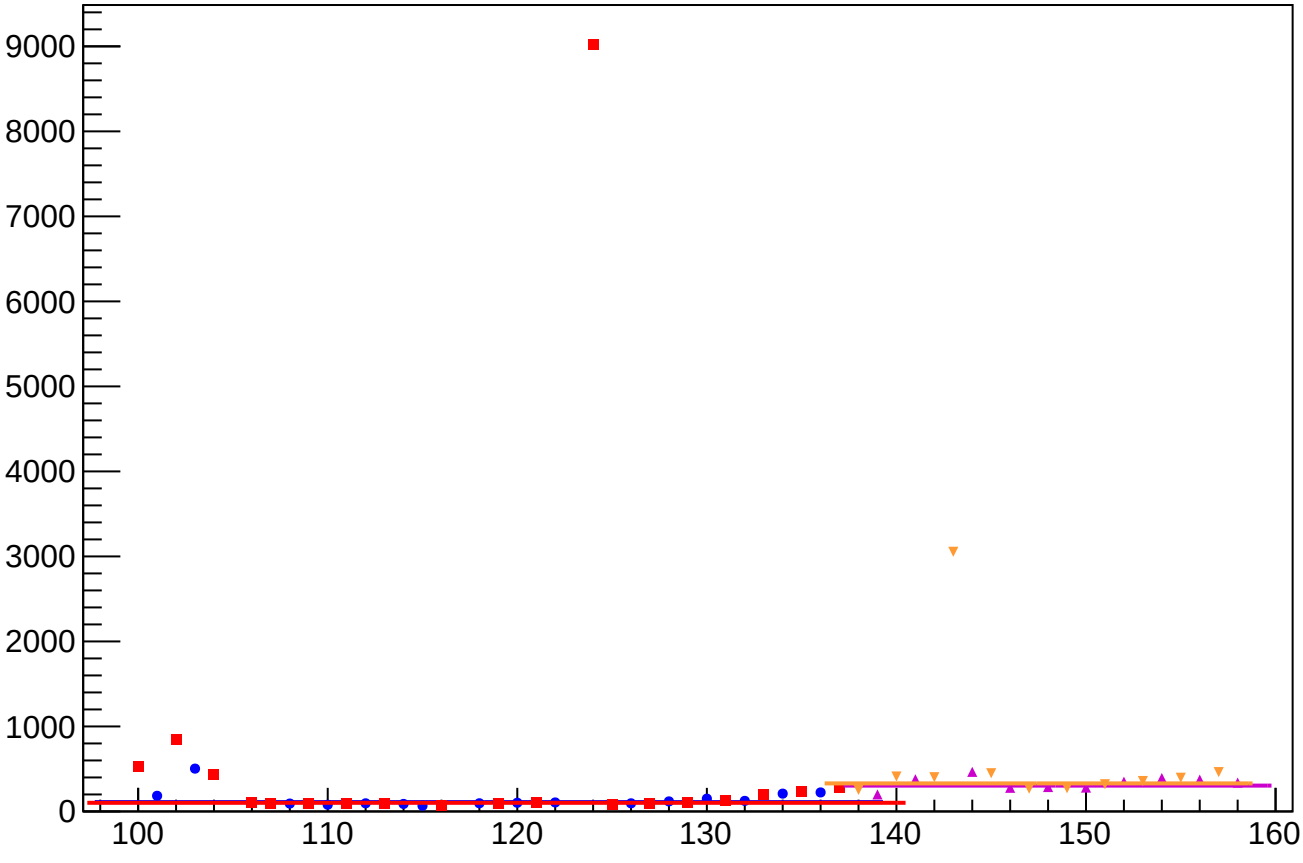
Left In: -0.085+/-0.107 χ^2/NDF:13.0/9

+ sign 0.018+/-0.042 χ^2/NDF: 26.1/26

All: 0.001+/-0.029 χ^2/NDF: 62.3/55

- sign -0.015+/-0.040 χ^2/NDF: 35.9/28

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 330.072+/-0.085 χ^2/NDF:1990771.9/10

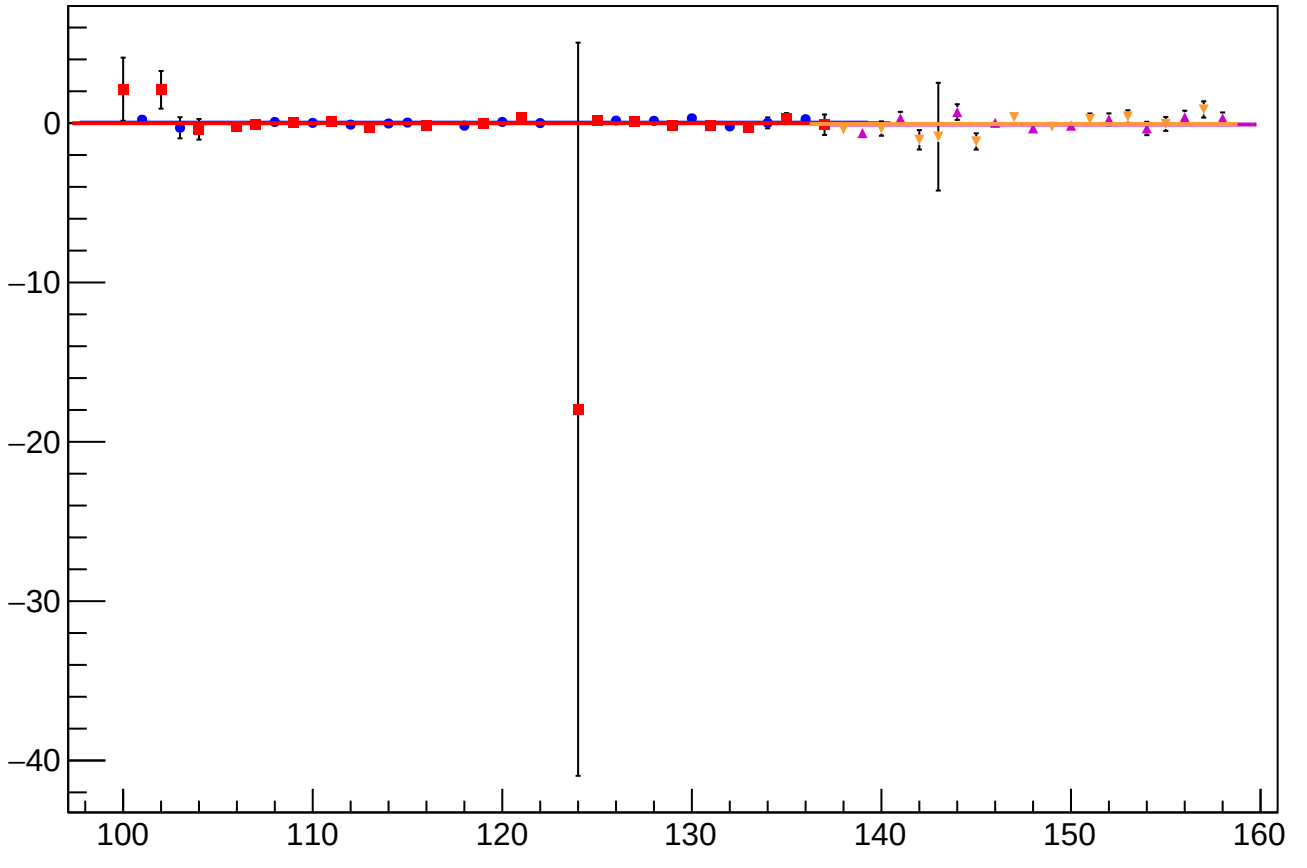
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 304.033+/-0.076 χ^2/NDF:913078.8/9

+ sign 137.405+/-0.030 χ^2/NDF: 9801674.5/26

All: 133.696+/-0.021 χ^2/NDF: 19461327.2/55

- sign 130.360+/-0.028 χ^2/NDF: 9630561.6/28



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.056+/-0.120 χ^2/NDF:16.8/10

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

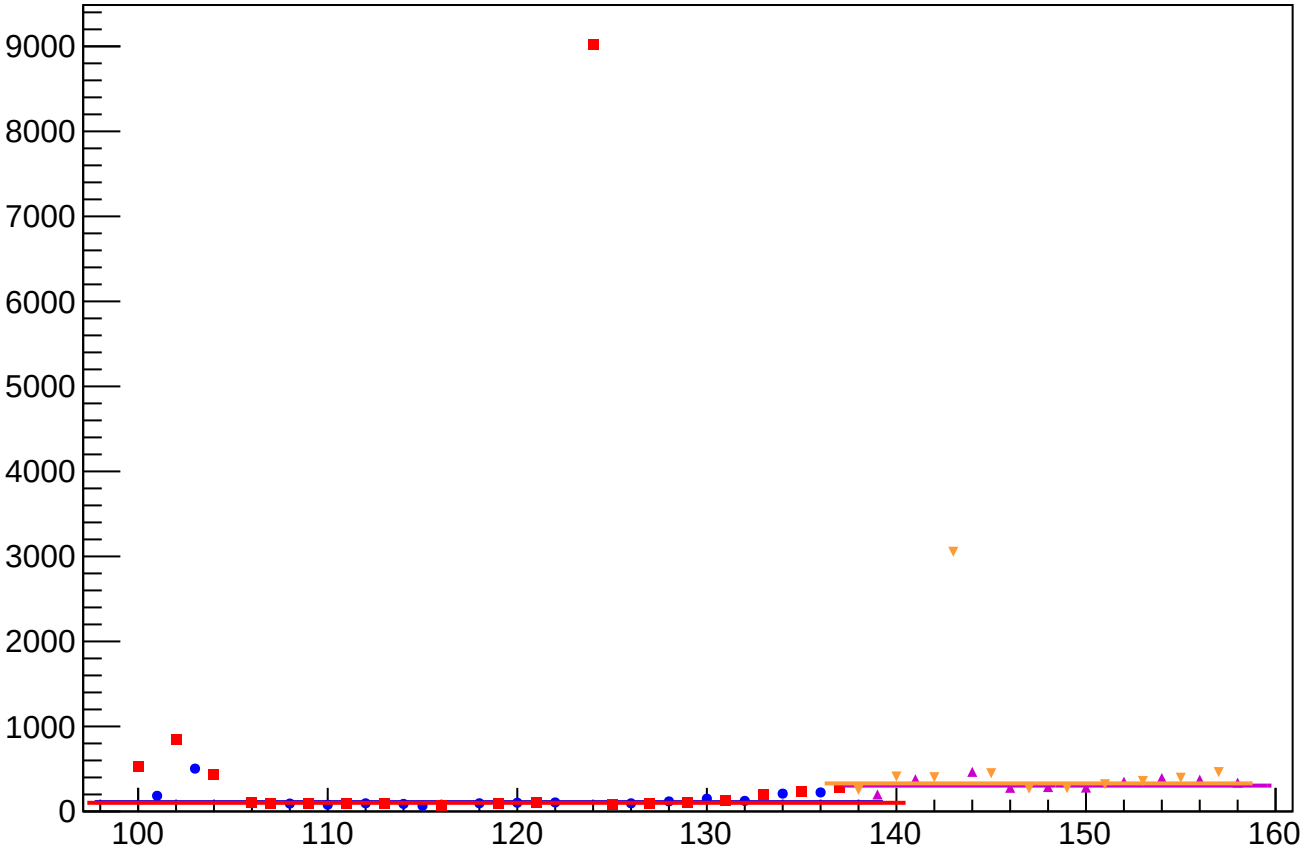
Left In: -0.085+/-0.107 χ^2/NDF:13.0/9

+ sign 0.018+/-0.042 χ^2/NDF: 26.1/26

All: 0.001+/-0.029 χ^2/NDF: 62.3/55

- sign -0.015+/-0.040 χ^2/NDF: 35.9/28

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 330.072+/-0.085 χ^2/NDF:1990771.9/10

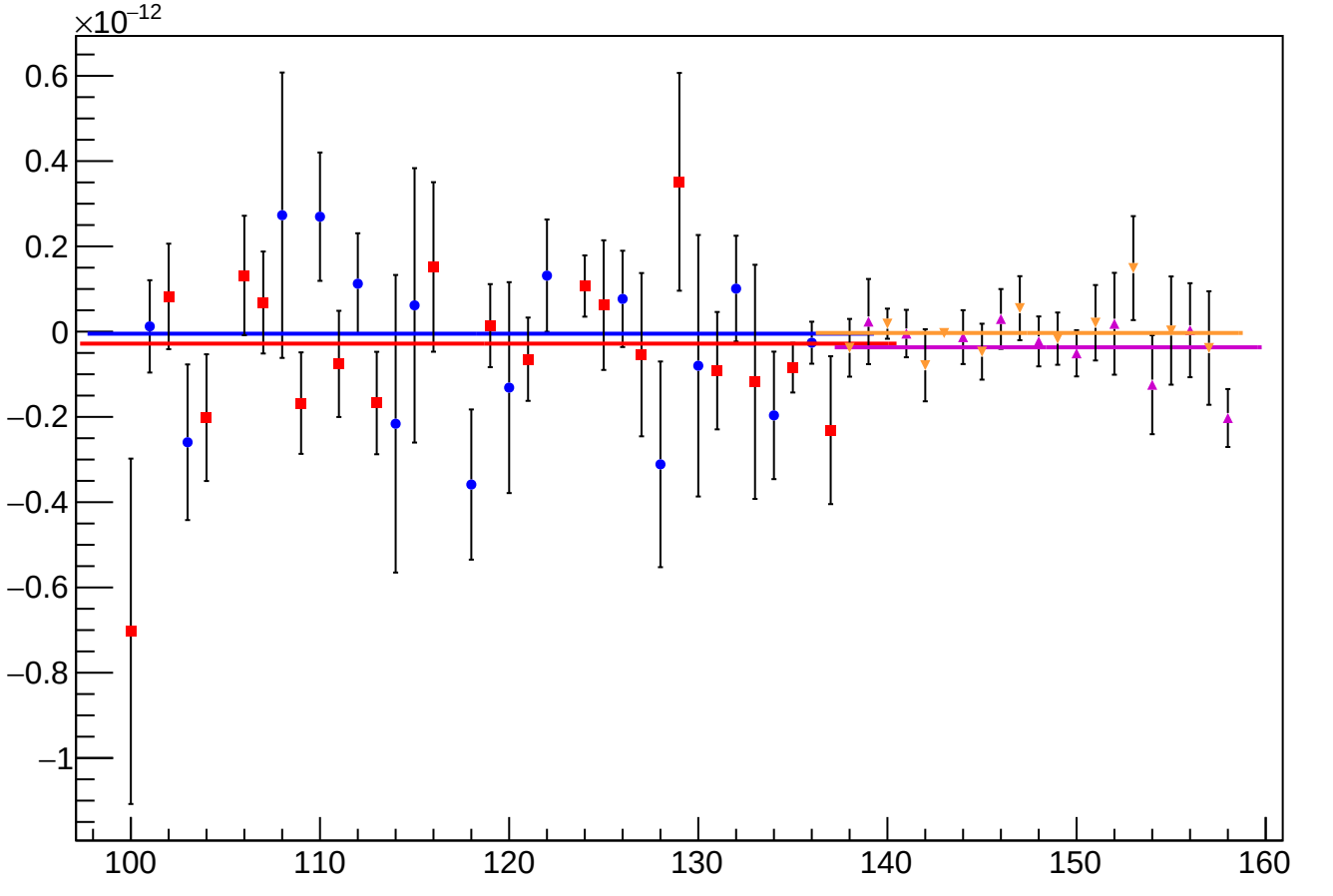
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 304.033+/-0.076 χ^2/NDF:913078.8/9

+ sign 137.405+/-0.030 χ^2/NDF: 9801674.5/26

All: 133.696+/-0.021 χ^2/NDF: 19461327.2/55

- sign 130.360+/-0.028 χ^2/NDF: 9630561.6/28



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.2/10

Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/18

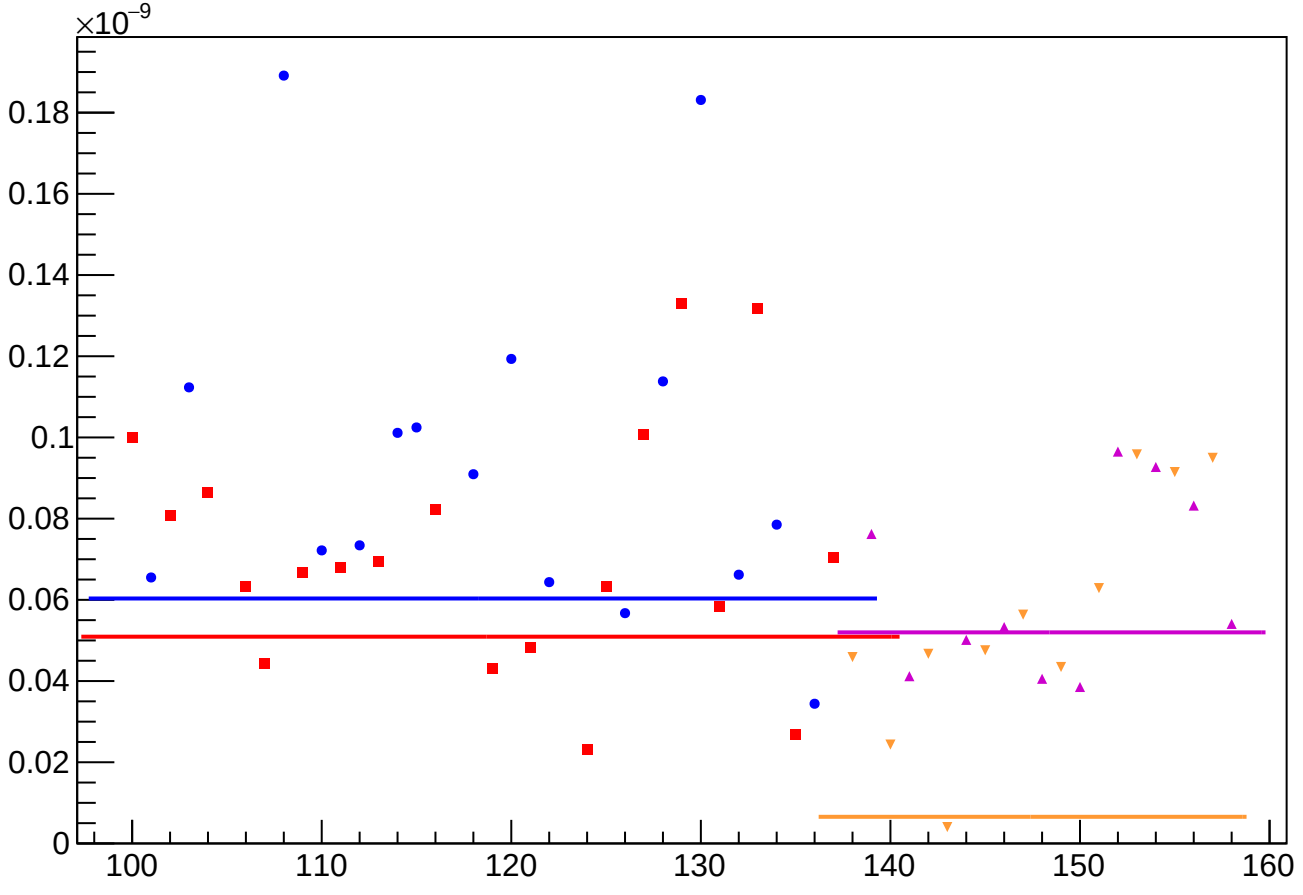
Left In: -0.000+/-0.000 χ^2/NDF:8.7/9

+ sign -0.000+/-0.000 χ^2/NDF: 21.7/26

All: -0.000+/-0.000 χ^2/NDF: 52.9/55

- sign -0.000+/-0.000 χ^2/NDF: 28.5/28

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1746170.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:8084431.4/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1667004.7/18

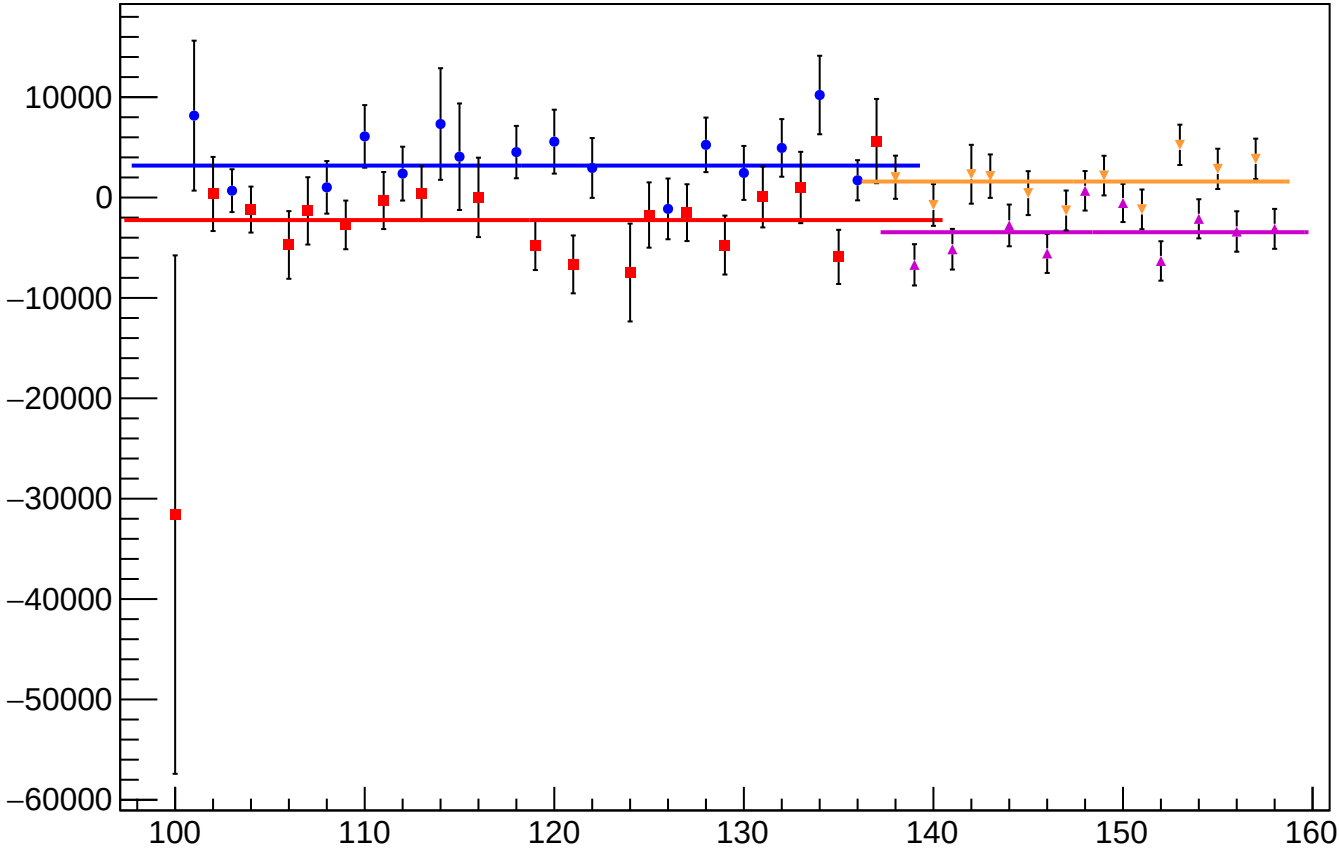
Left In: 0.000+/-0.000 χ^2/NDF:1081596.9/9

+ sign 0.000+/-0.000 χ^2/NDF: 15401745.8/26

All: 0.000+/-0.000 χ^2/NDF: 29554694.2/55

- sign 0.000+/-0.000 χ^2/NDF: 2750403.1/28

reg_asym_atr_avg_mean vs Slug



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1595.036+/-633.004 χ^2/NDF:10.8/10

Right Out: -2246.057+/-710.912 χ^2/NDF: 16.5/18

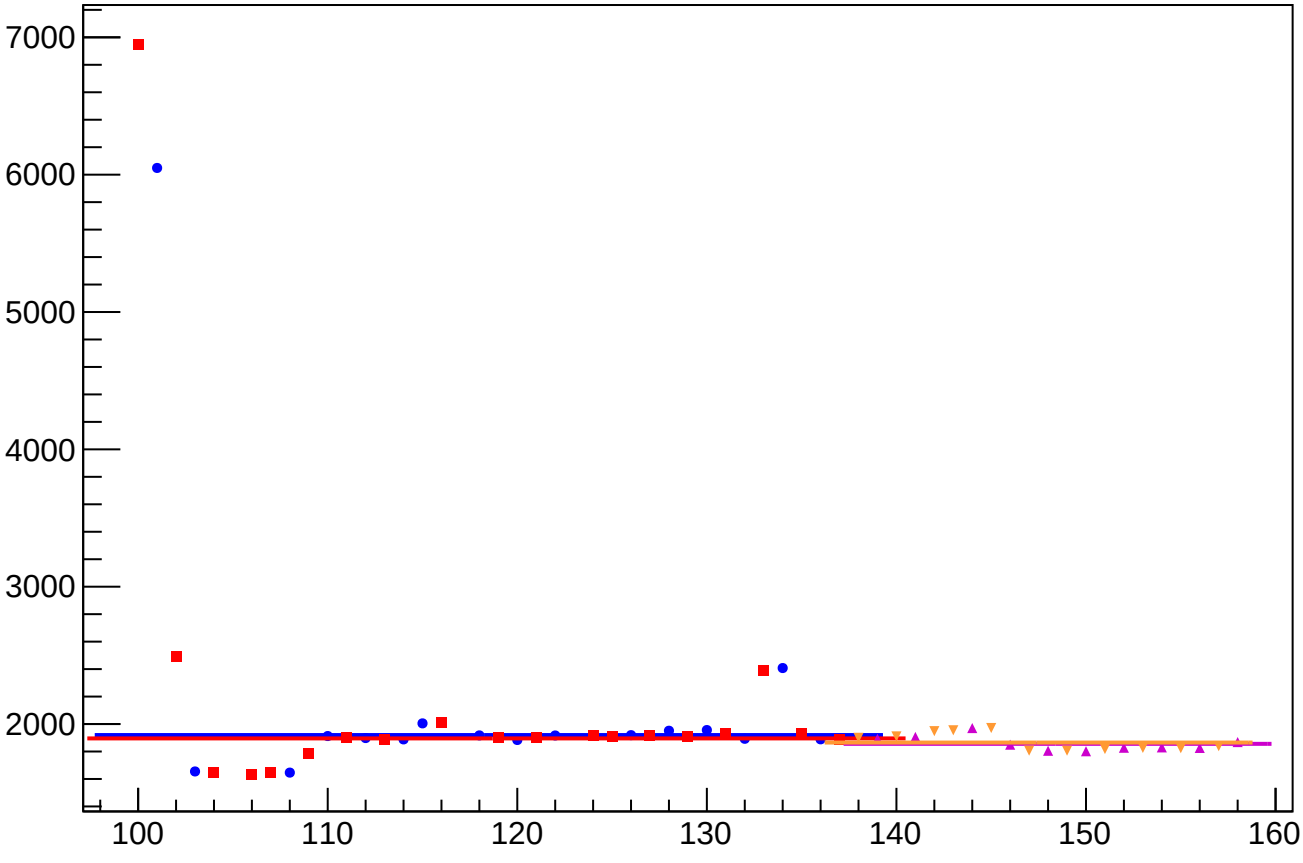
Left In: -3453.905+/-628.501 χ^2/NDF:13.8/9

+ sign 2275.679+/-478.563 χ^2/NDF: 25.2/26

All: -366.294+/-335.643 χ^2/NDF: 117.2/55

- sign -2924.016+/-470.871 χ^2/NDF: 32.0/28

reg_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1865.217+/-0.448 χ^2/NDF:17767.5/10

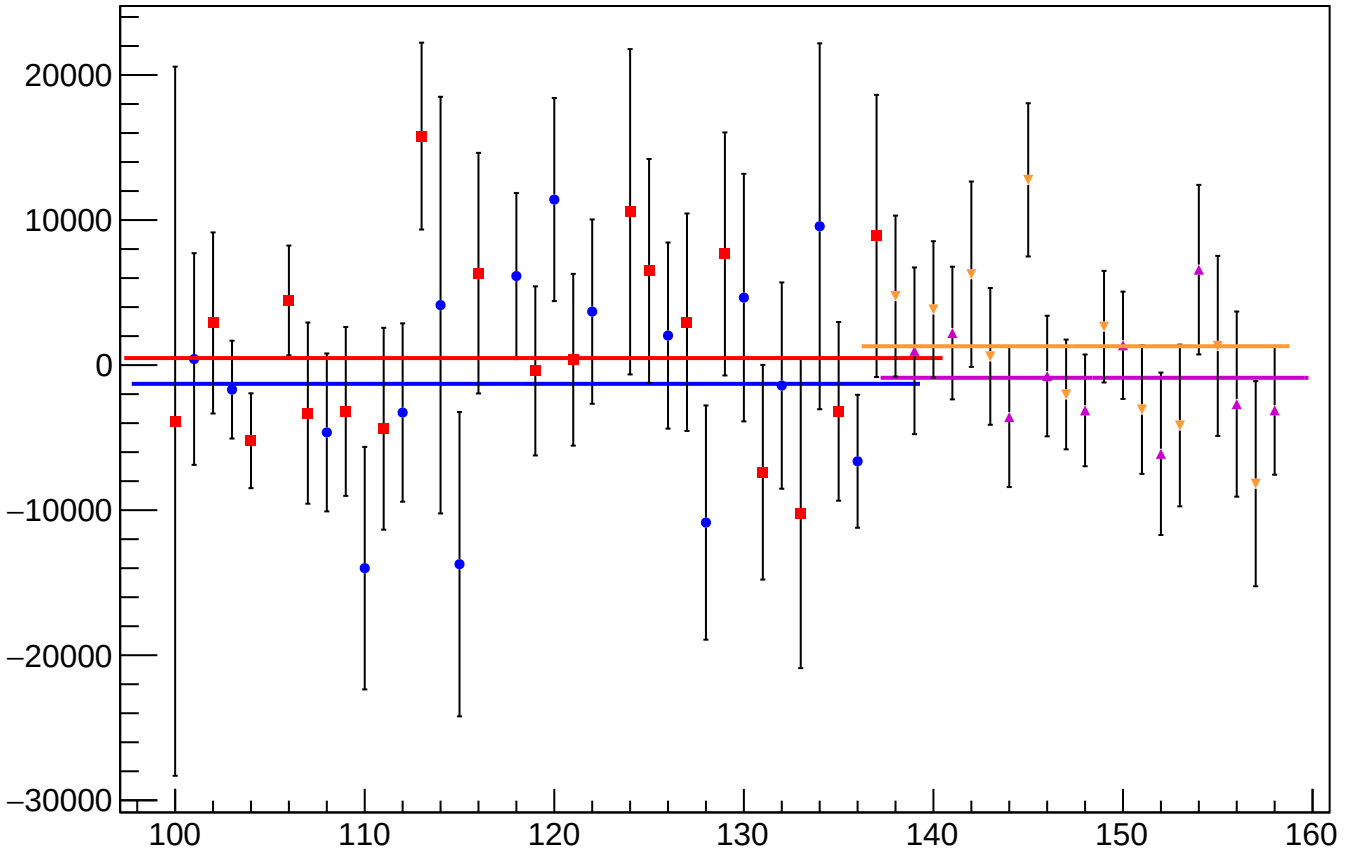
Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

Left In: 1855.798+/-0.444 χ^2/NDF:12211.3/9

+ sign 1888.614+/-0.338 χ^2/NDF: 721476.4/26

All: 1880.782+/-0.237 χ^2/NDF: 960504.8/55

- sign 1873.222+/-0.332 χ^2/NDF: 237975.6/28



Right In: -1290.495+/-1585.432 χ^2/NDF: 14.3/15

Left Out: 1302.534+/-1491.736 χ^2/NDF:10.6/10

Right Out: 485.214+/-1437.465 χ^2/NDF: 17.2/18

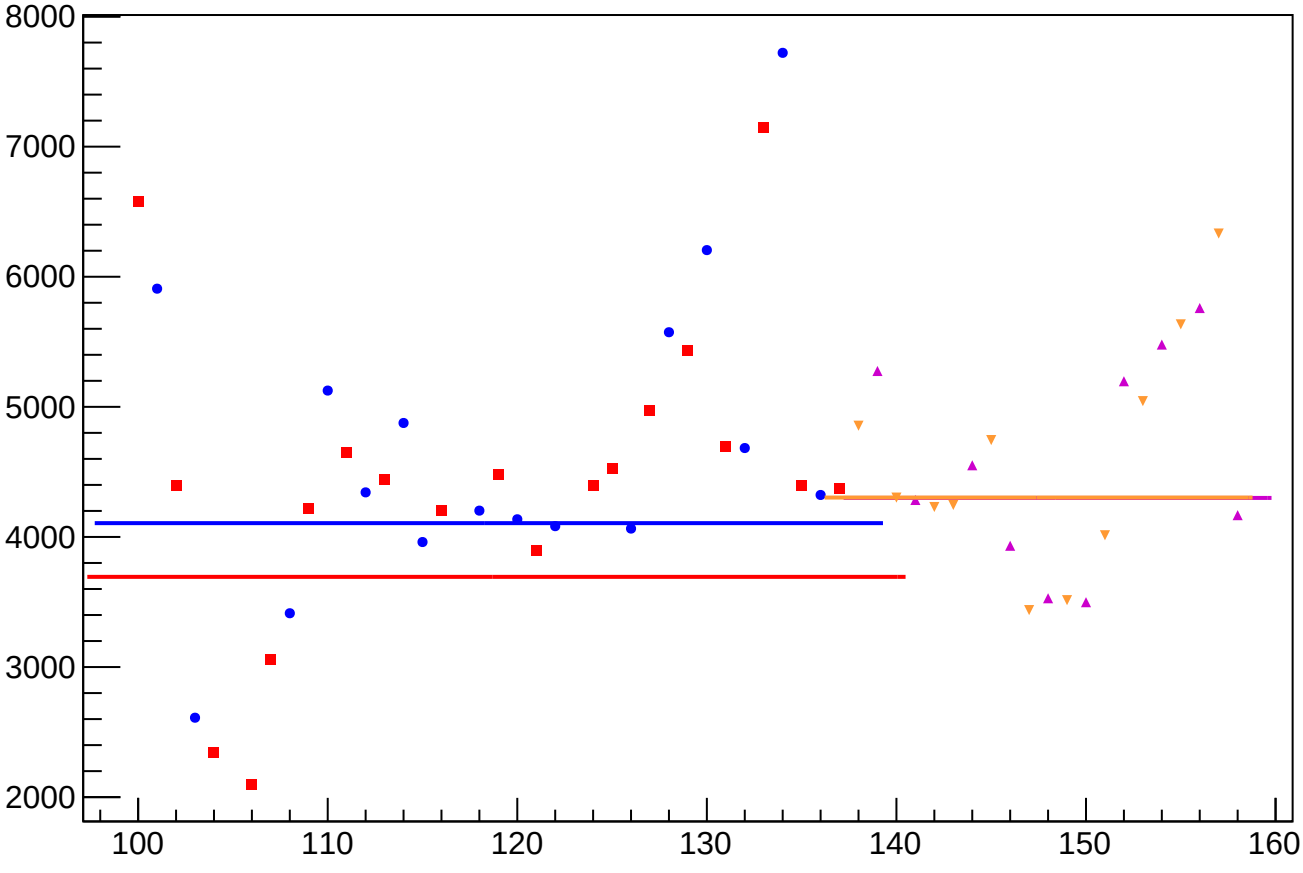
Left In: -873.501+/-1481.077 χ^2/NDF:4.4/9

+ sign 84.901+/-1086.431 χ^2/NDF: 26.3/26

All: -51.176+/-748.052 χ^2/NDF: 48.4/55

- sign -173.844+/-1031.515 χ^2/NDF: 22.1/28

asym_atr_avg_reg_correction_rms vs Slug



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4302.773+/-1.055 χ^2/NDF:523681.1/10

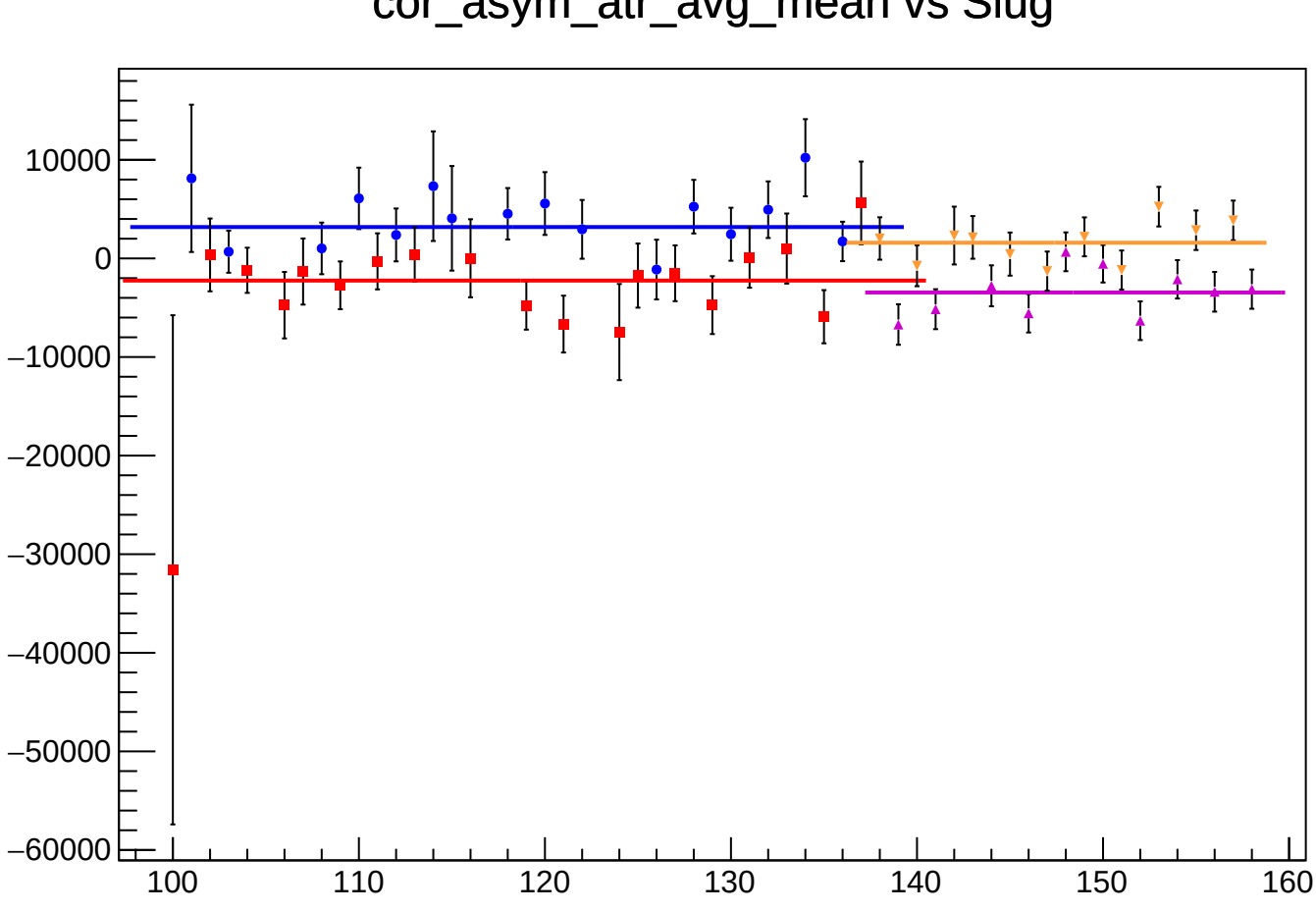
Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4299.936+/-1.047 χ^2/NDF:491866.8/9

+ sign 4210.439+/-0.768 χ^2/NDF: 1496129.4/26

All: 4093.213+/-0.529 χ^2/NDF: 3561711.9/55

- sign 3987.538+/-0.729 χ^2/NDF: 2021307.0/28



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1594.977+/-633.004 χ^2/NDF:10.8/10

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

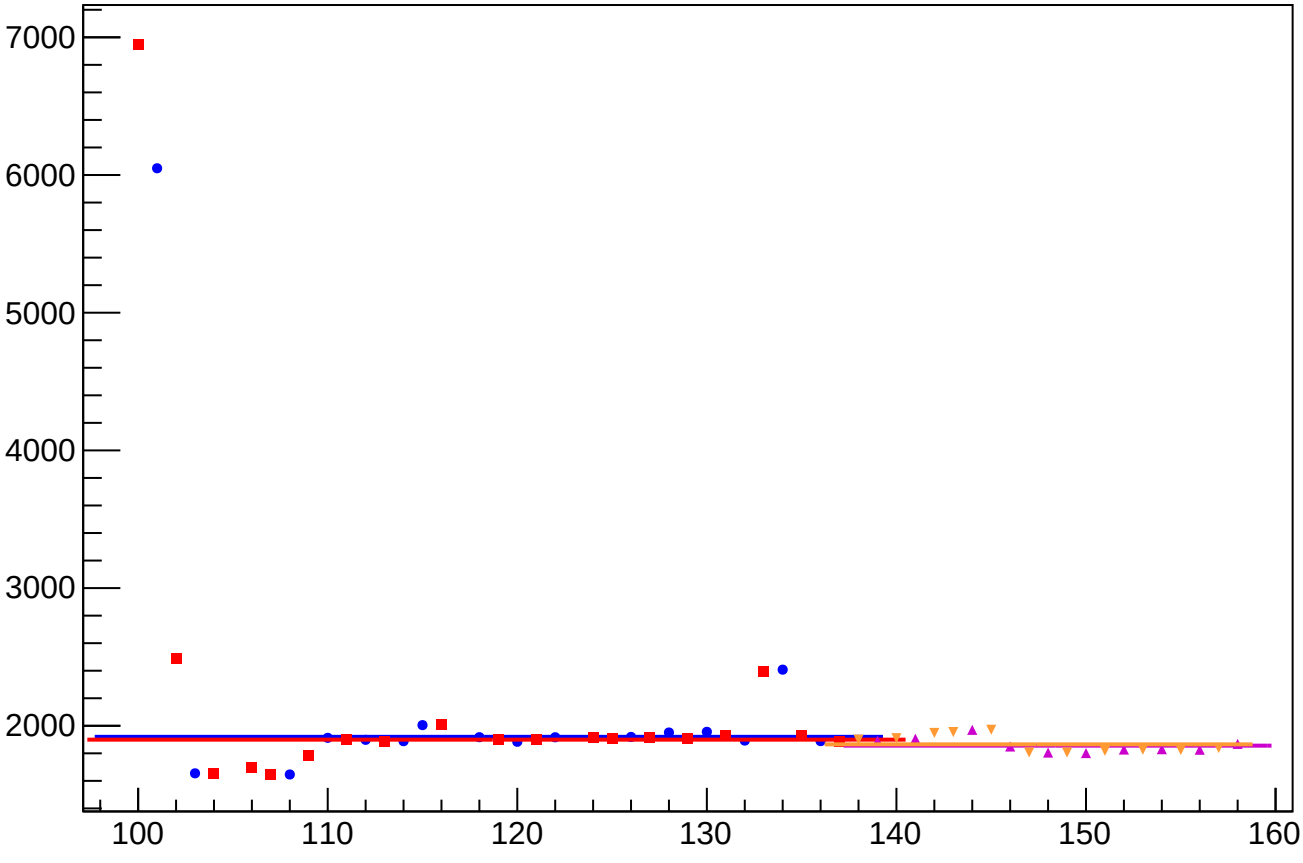
Left In: -3454.000+/-628.501 χ^2/NDF:13.8/9

+ sign 2275.331+/-478.563 χ^2/NDF: 25.2/26

All: -366.741+/-335.643 χ^2/NDF: 117.2/55

- sign -2924.571+/-470.872 χ^2/NDF: 32.0/28

cor_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1865.217+/-0.448 χ^2/NDF:17767.5/10

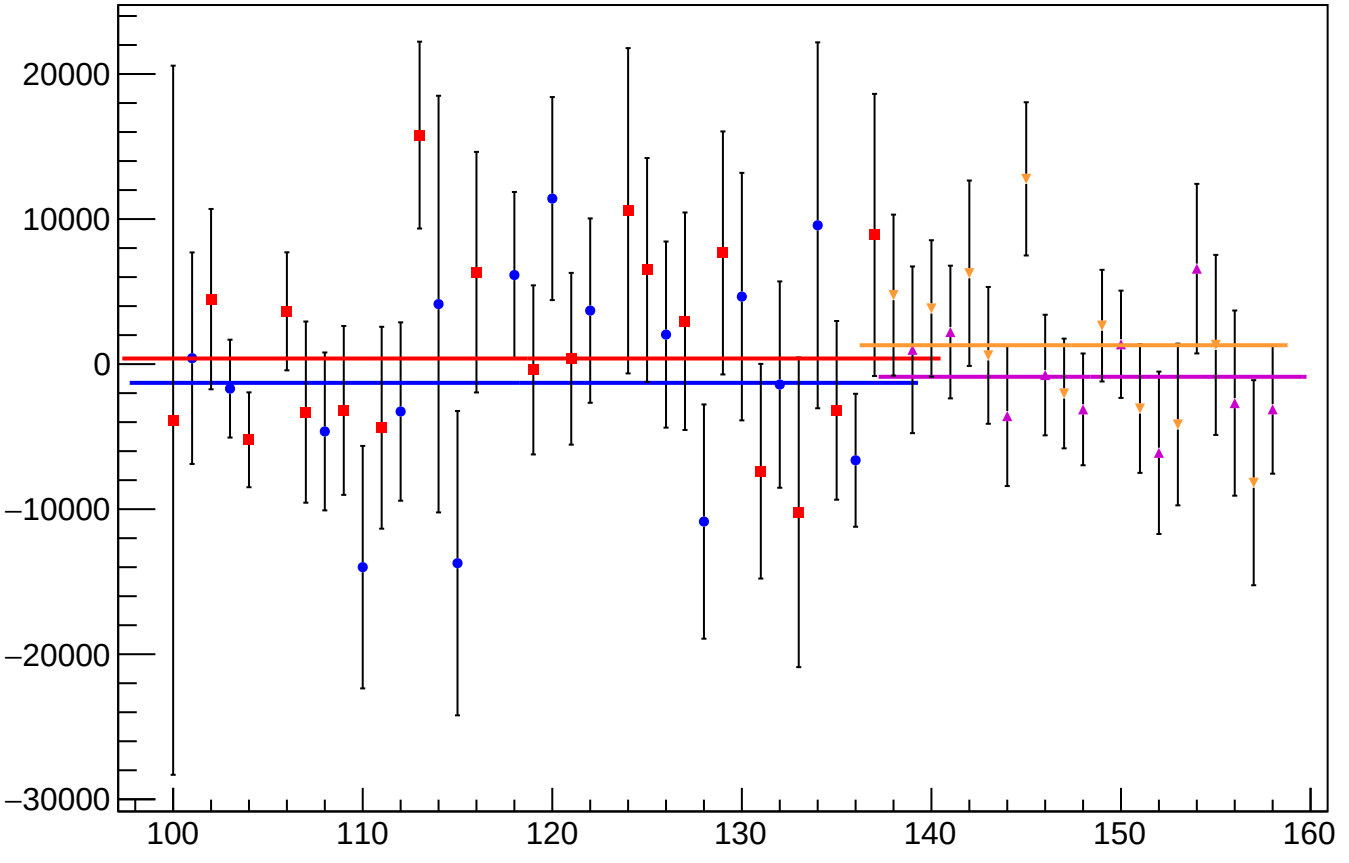
Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1855.798+/-0.444 χ^2/NDF:12211.3/9

+ sign 1888.614+/-0.338 χ^2/NDF: 721475.6/26

All: 1881.664+/-0.237 χ^2/NDF: 954394.1/55

- sign 1874.944+/-0.333 χ^2/NDF: 232088.8/28



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 1302.478+/-1491.732 χ^2/NDF:10.6/10

Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

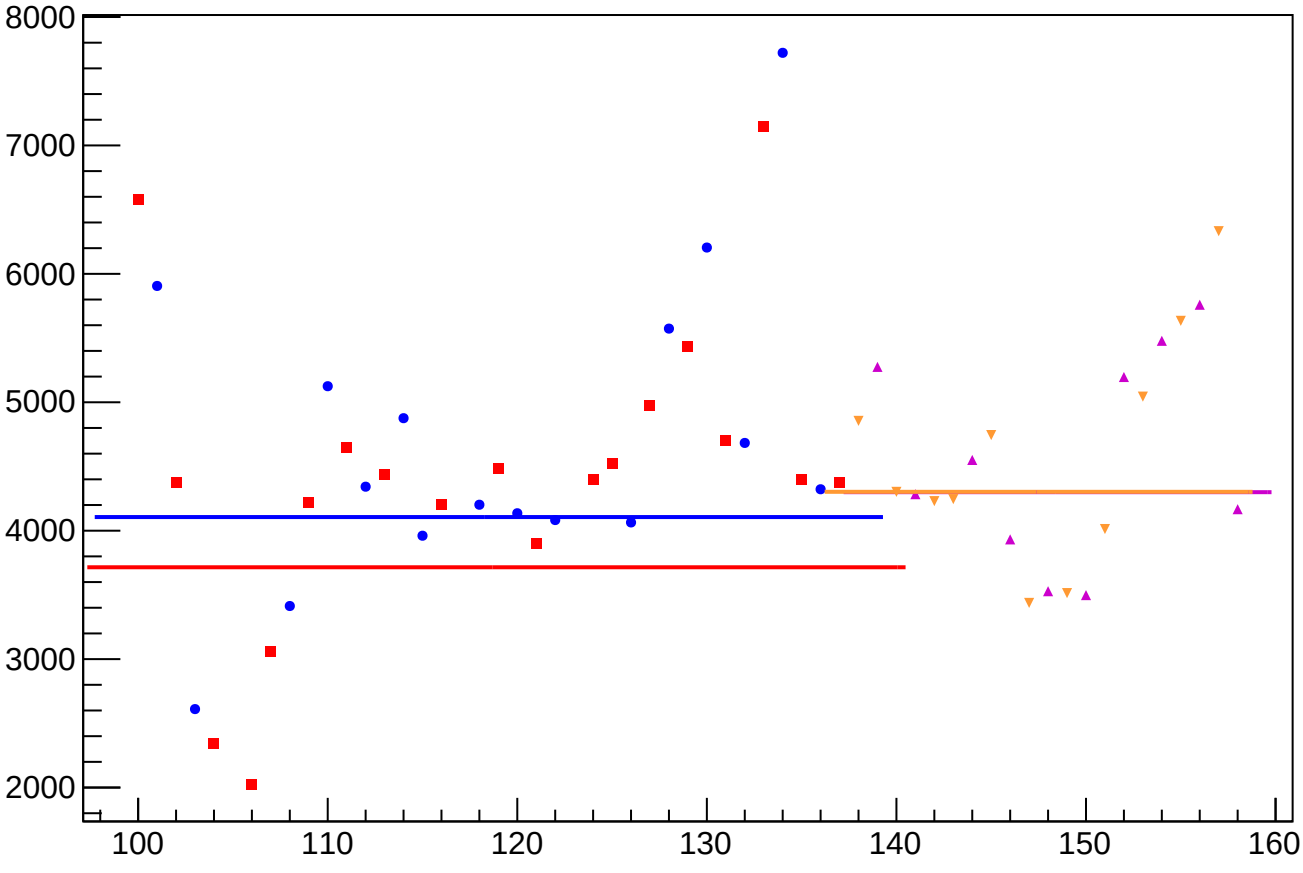
Left In: -873.555+/-1481.078 χ^2/NDF:4.4/9

+ sign 84.705+/-1086.430 χ^2/NDF: 26.3/26

All: -80.154+/-750.013 χ^2/NDF: 48.2/55

- sign -230.258+/-1036.676 χ^2/NDF: 21.8/28

asym_atr_avg_cor_correction_rms vs Slug



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4302.758+/-1.055 χ^2/NDF:523692.2/10

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

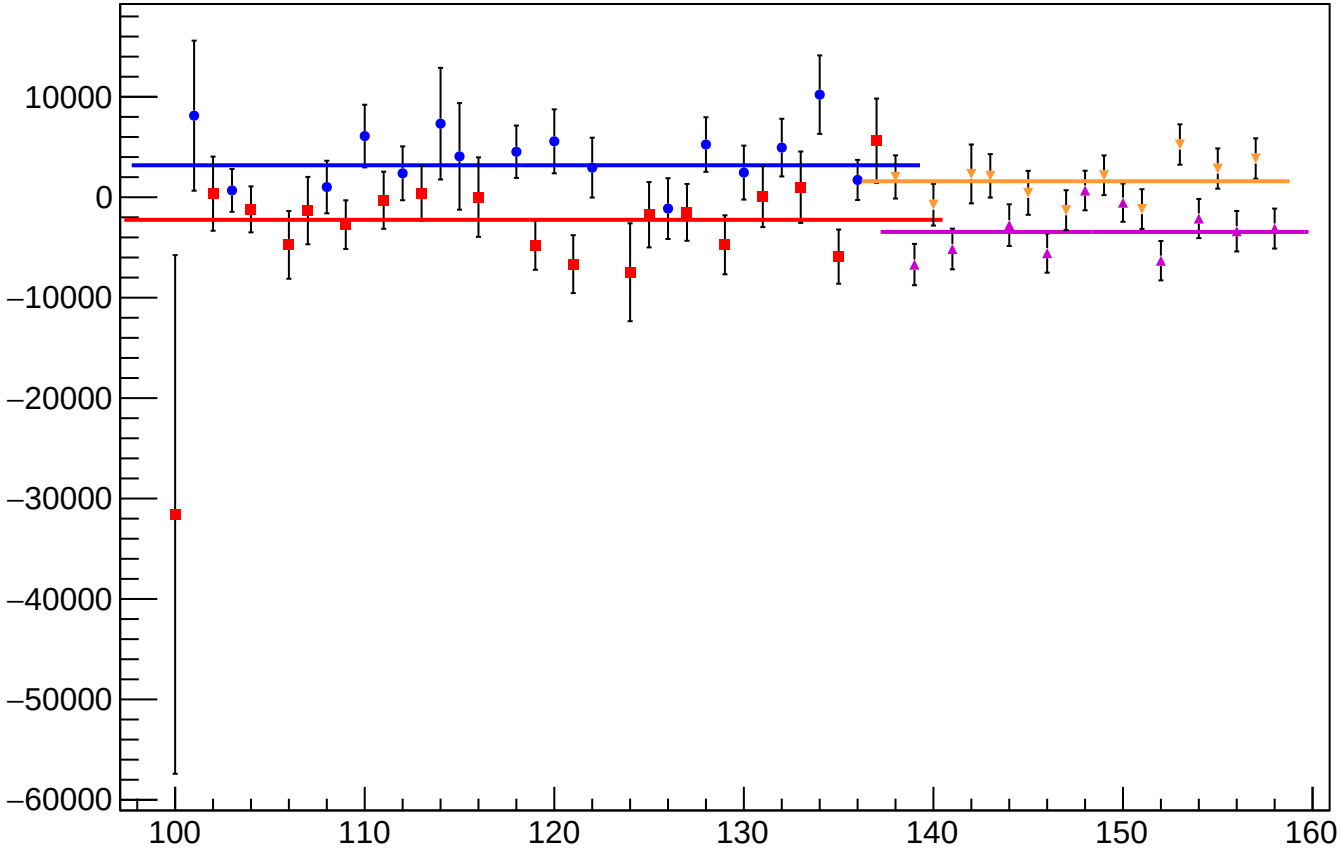
Left In: 4299.941+/-1.047 χ^2/NDF:491862.0/9

+ sign 4210.475+/-0.768 χ^2/NDF: 1495623.3/26

All: 4101.187+/-0.530 χ^2/NDF: 3520263.1/55

- sign 4001.681+/-0.733 χ^2/NDF: 1985975.1/28

eigen_cor_asym_atr_avg_mean vs Slug



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1594.977+/-633.004 χ^2/NDF:10.8/10

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

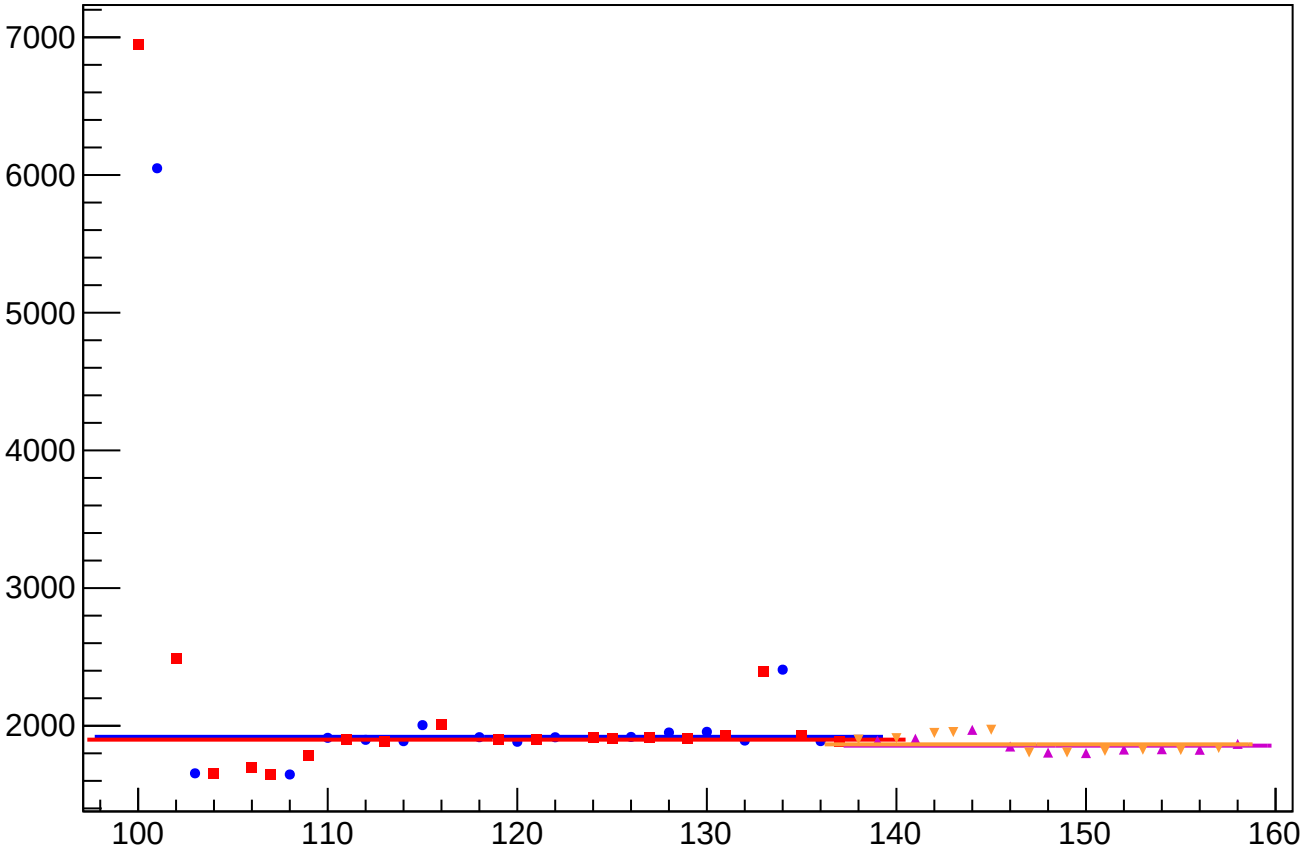
Left In: -3454.000+/-628.501 χ^2/NDF:13.8/9

+ sign 2275.331+/-478.563 χ^2/NDF: 25.2/26

All: -366.741+/-335.643 χ^2/NDF: 117.2/55

- sign -2924.571+/-470.872 χ^2/NDF: 32.0/28

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1865.217+/-0.448 χ^2/NDF:17767.5/10

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

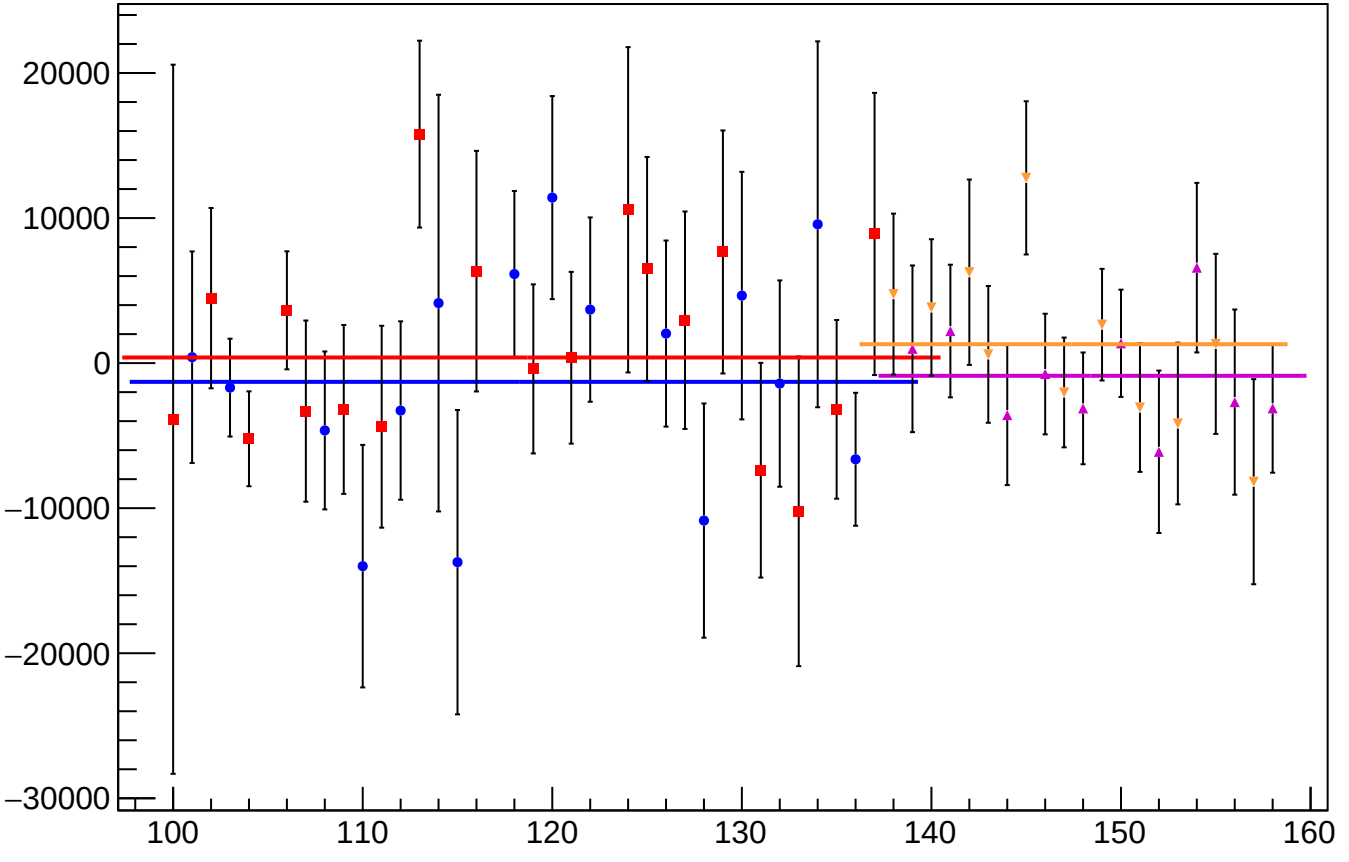
Left In: 1855.798+/-0.444 χ^2/NDF:12211.3/9

+ sign 1888.614+/-0.338 χ^2/NDF: 721475.6/26

All: 1881.664+/-0.237 χ^2/NDF: 954394.1/55

- sign 1874.944+/-0.333 χ^2/NDF: 232088.8/28

asym_atr_avg_eigen_cor_correction_mean vs Slug



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 1302.478+/-1491.732 χ^2/NDF:10.6/10

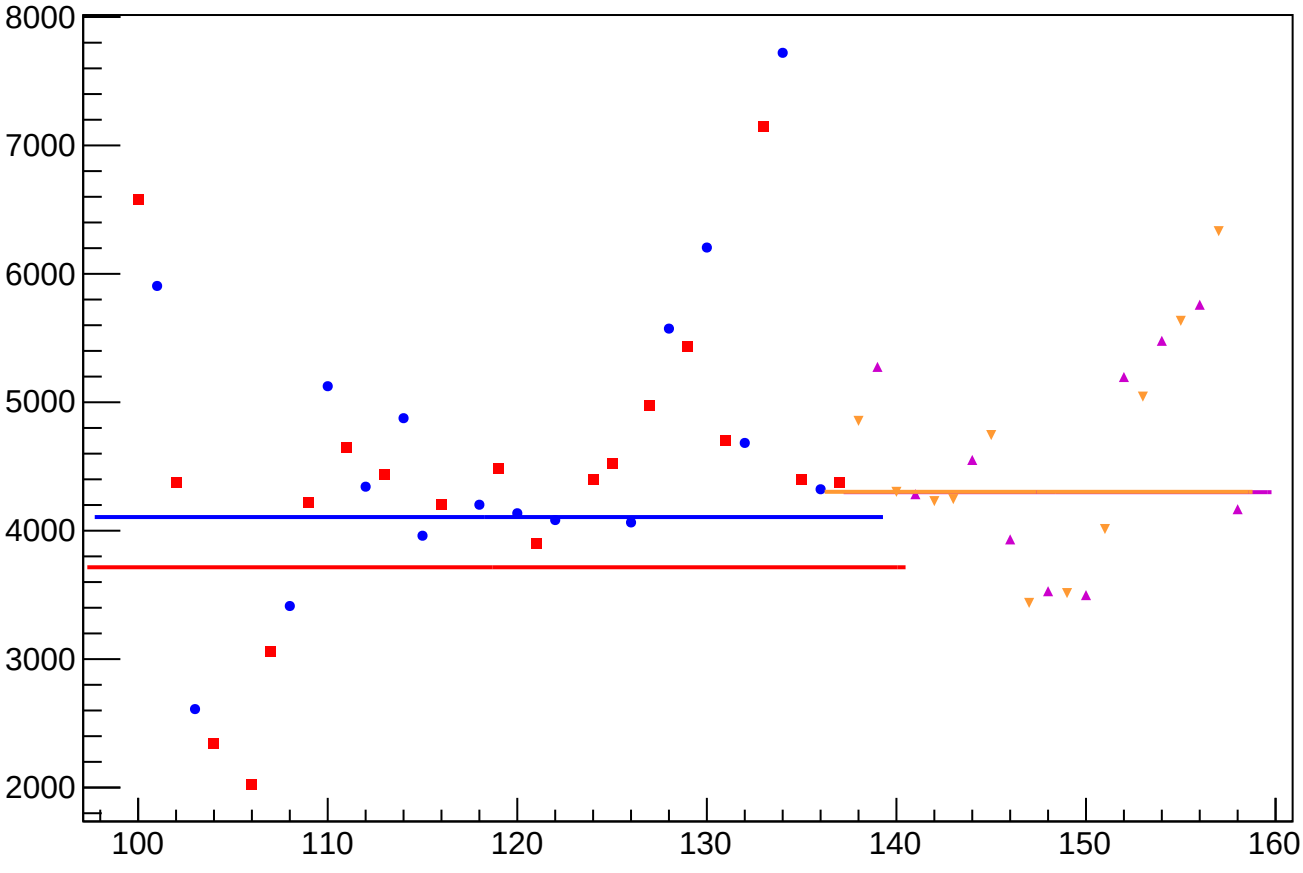
Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: -873.555+/-1481.078 χ^2/NDF:4.4/9

+ sign 84.705+/-1086.430 χ^2/NDF: 26.3/26

All: -80.154+/-750.013 χ^2/NDF: 48.2/55

- sign -230.258+/-1036.676 χ^2/NDF: 21.8/28



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4302.758+/-1.055 χ^2/NDF:523692.2/10

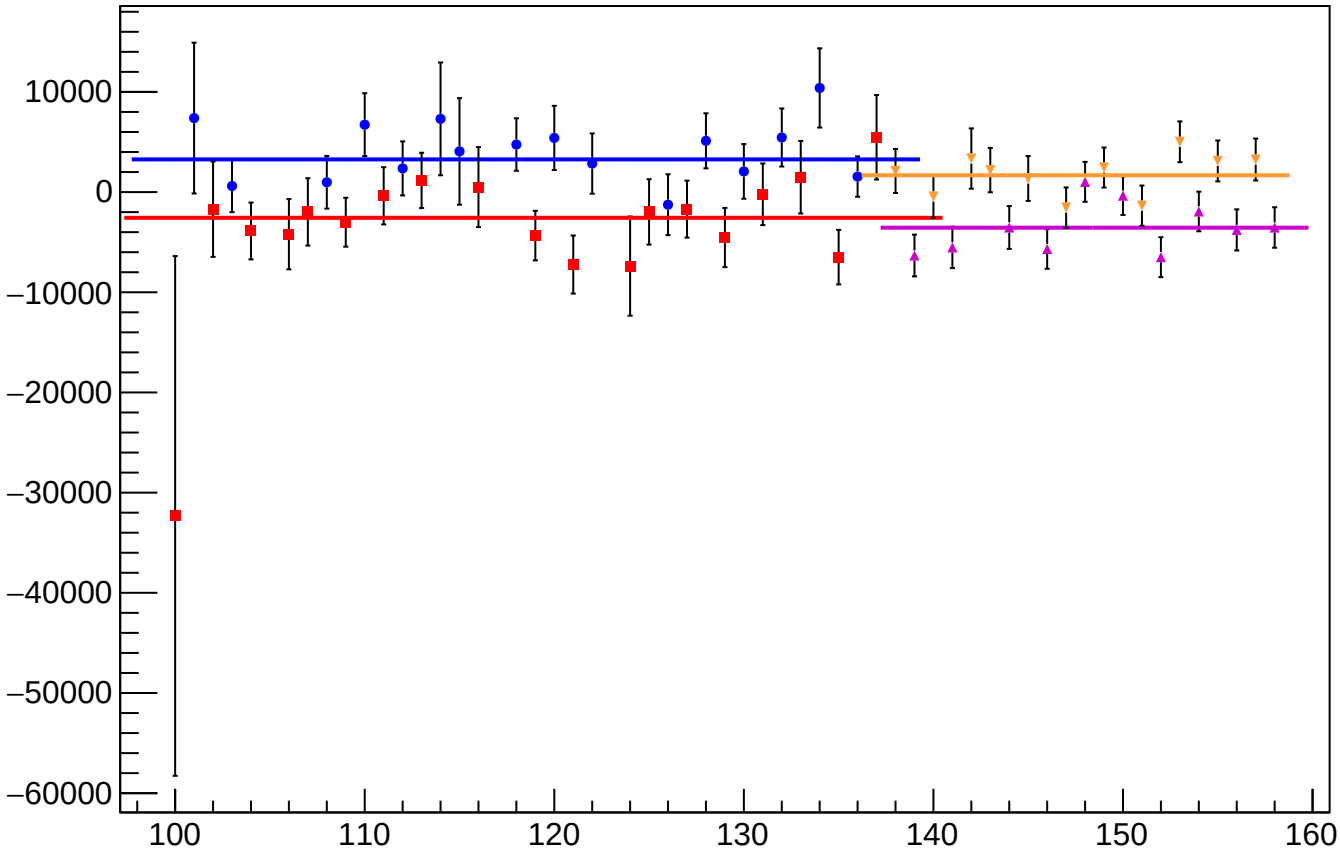
Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4299.941+/-1.047 χ^2/NDF:491862.0/9

+ sign 4210.475+/-0.768 χ^2/NDF: 1495623.3/26

All: 4101.187+/-0.530 χ^2/NDF: 3520263.1/55

- sign 4001.681+/-0.733 χ^2/NDF: 1985975.1/28



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1681.834+/-645.888 χ^2/NDF:10.2/10

Right Out: -2566.683+/-734.876 χ^2/NDF: 17.0/18

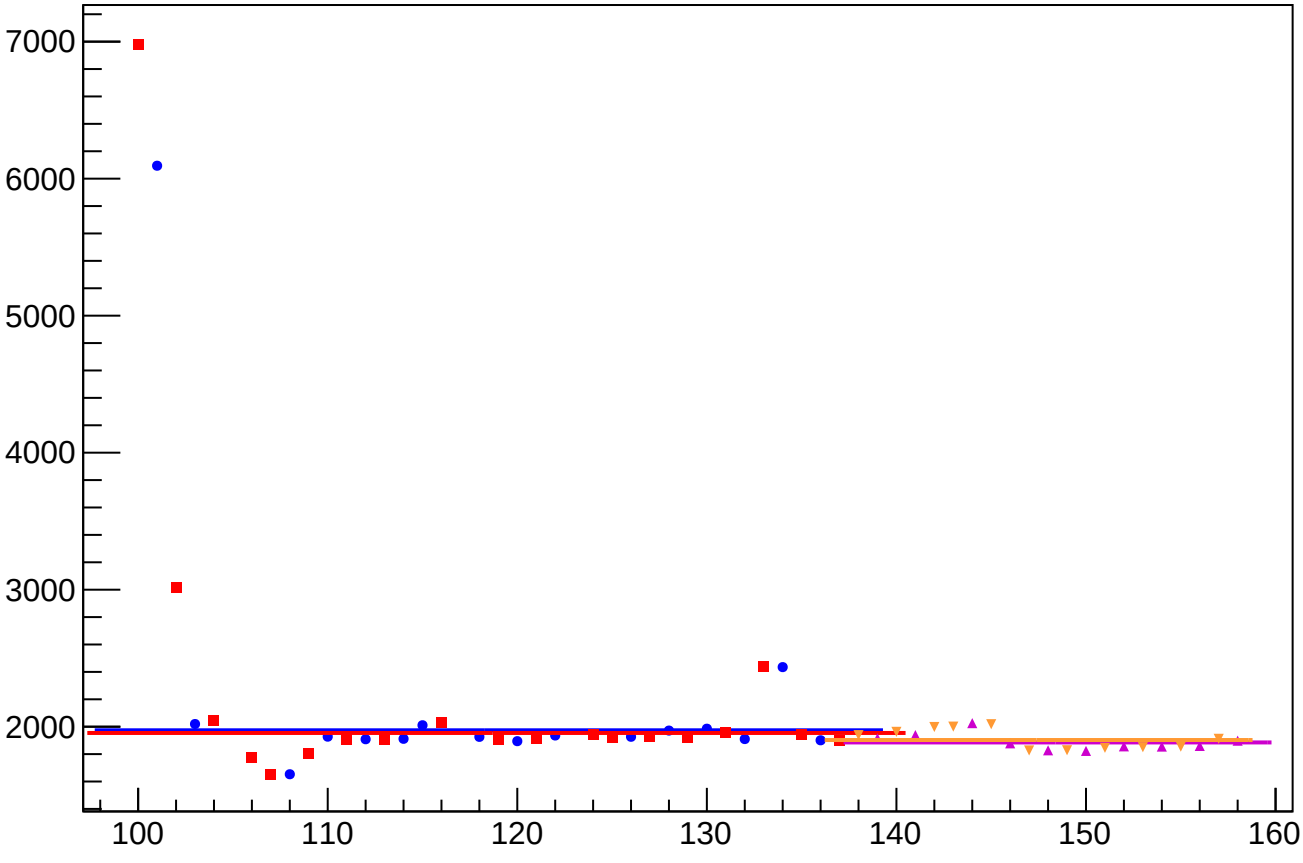
Left In: -3553.104+/-638.529 χ^2/NDF:14.7/9

+ sign 2354.944+/-489.656 χ^2/NDF: 24.9/26

All: -430.123+/-343.499 χ^2/NDF: 121.4/55

- sign -3128.753+/-481.998 χ^2/NDF: 32.8/28

dit_asym_atr_avg_rms vs Slug



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1902.797+/-0.457 χ^2/NDF:23042.5/10

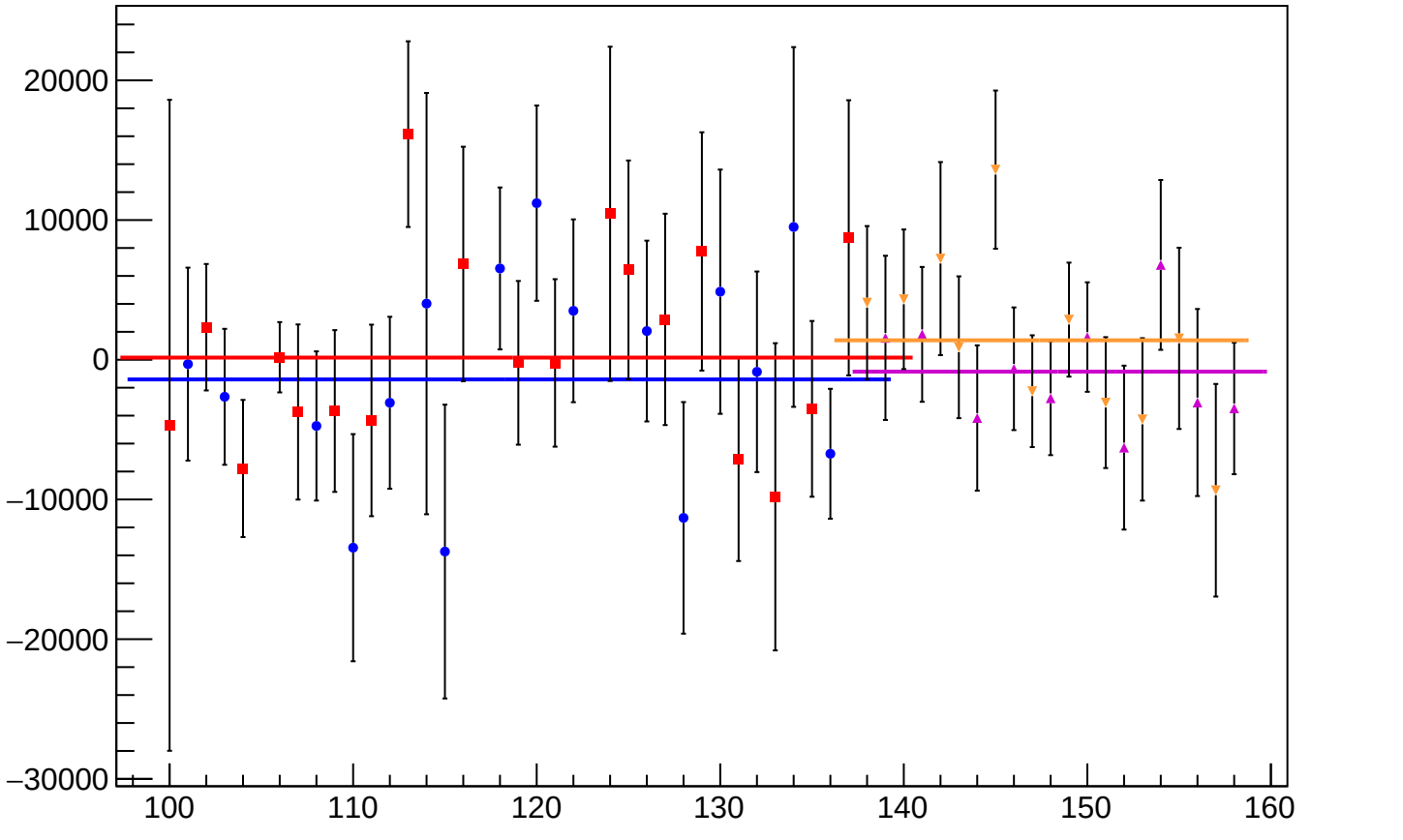
Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1885.185+/-0.452 χ^2/NDF:15508.8/9

+ sign 1932.970+/-0.346 χ^2/NDF: 698430.2/26

All: 1923.822+/-0.243 χ^2/NDF: 971626.3/55

- sign 1914.964+/-0.341 χ^2/NDF: 271822.1/28



Right In: -1407.382+/-1689.989 χ^2/NDF: 14.2/15

Left Out: 1393.888+/-1575.251 χ^2/NDF:10.8/10

Right Out: 155.271+/-1363.642 χ^2/NDF: 15.8/18

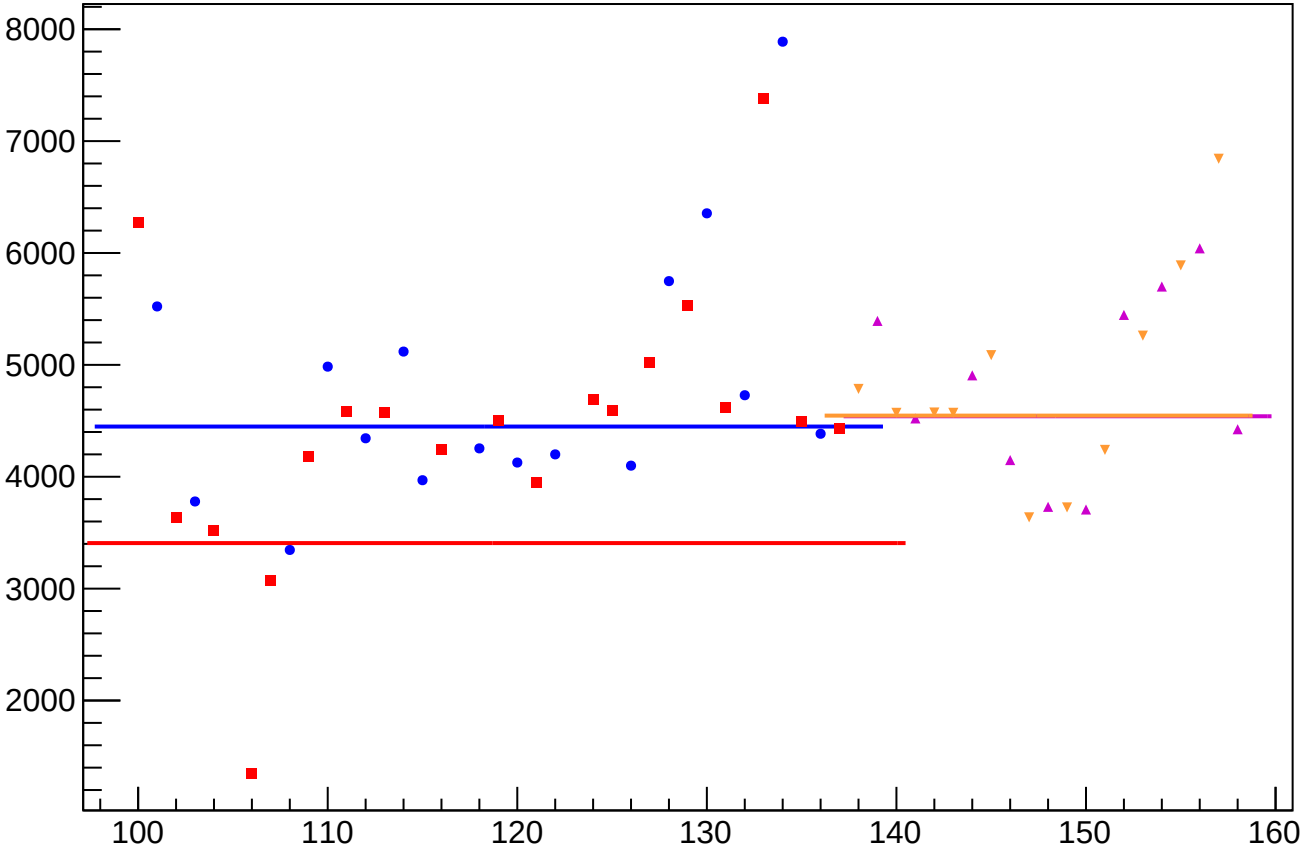
Left In: -849.414+/-1562.501 χ^2/NDF:4.4/9

+ sign 91.566+/-1152.300 χ^2/NDF: 26.5/26

All: -114.941+/-766.852 χ^2/NDF: 46.9/55

- sign -279.108+/-1027.400 χ^2/NDF: 20.4/28

asym_atr_avg_dit_correction_rms vs Slug



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4546.435+/-1.114 χ^2/NDF:512869.5/10

Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

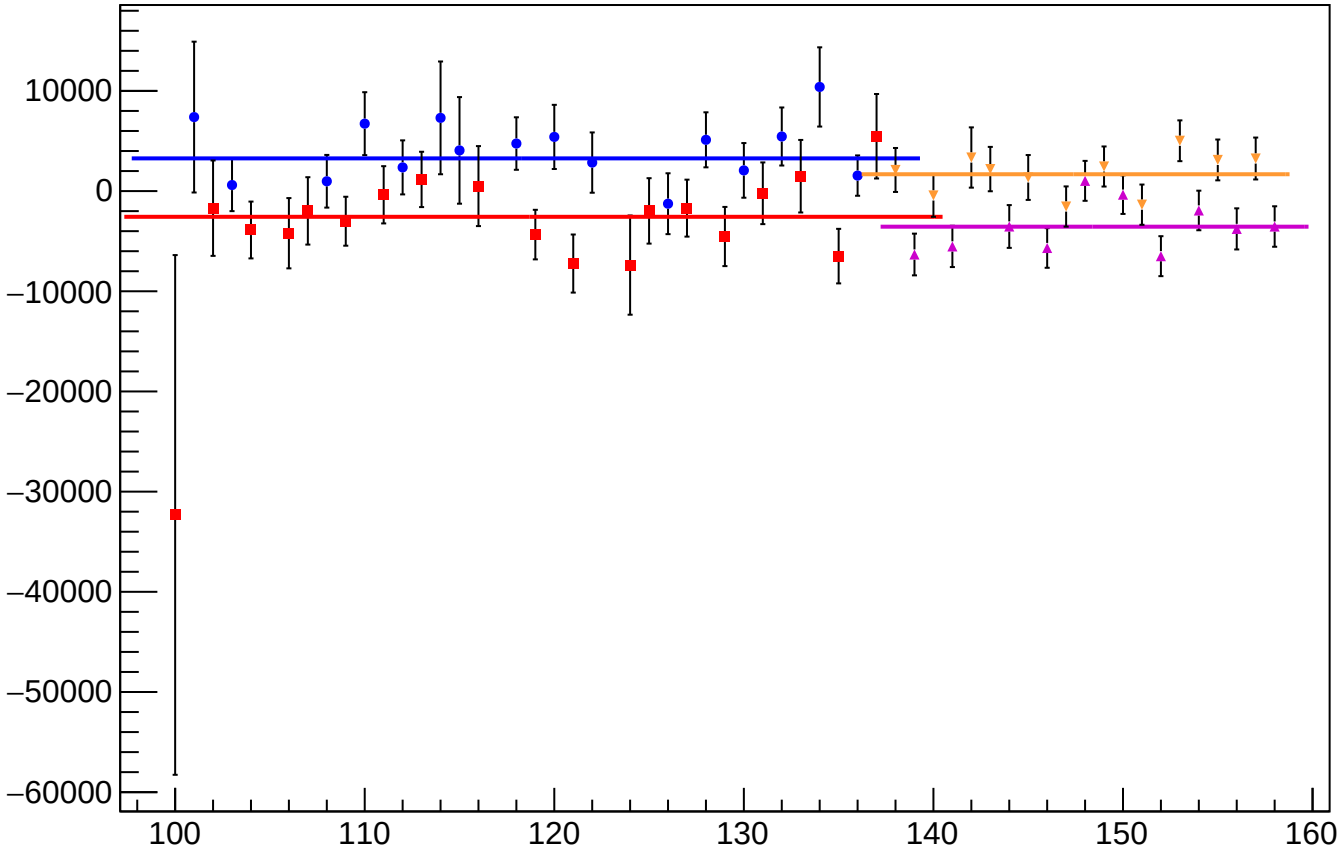
Left In: 4540.589+/-1.105 χ^2/NDF:459487.7/9

+ sign 4501.003+/-0.815 χ^2/NDF: 1011061.4/26

All: 4164.607+/-0.542 χ^2/NDF: 4699985.9/55

- sign 3897.183+/-0.726 χ^2/NDF: 3382969.8/28

eigen_dit_asym_atr_avg_mean vs Slug



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1681.830+/-645.888 χ^2/NDF:10.2/10

Right Out: -2566.689+/-734.875 χ^2/NDF: 17.0/18

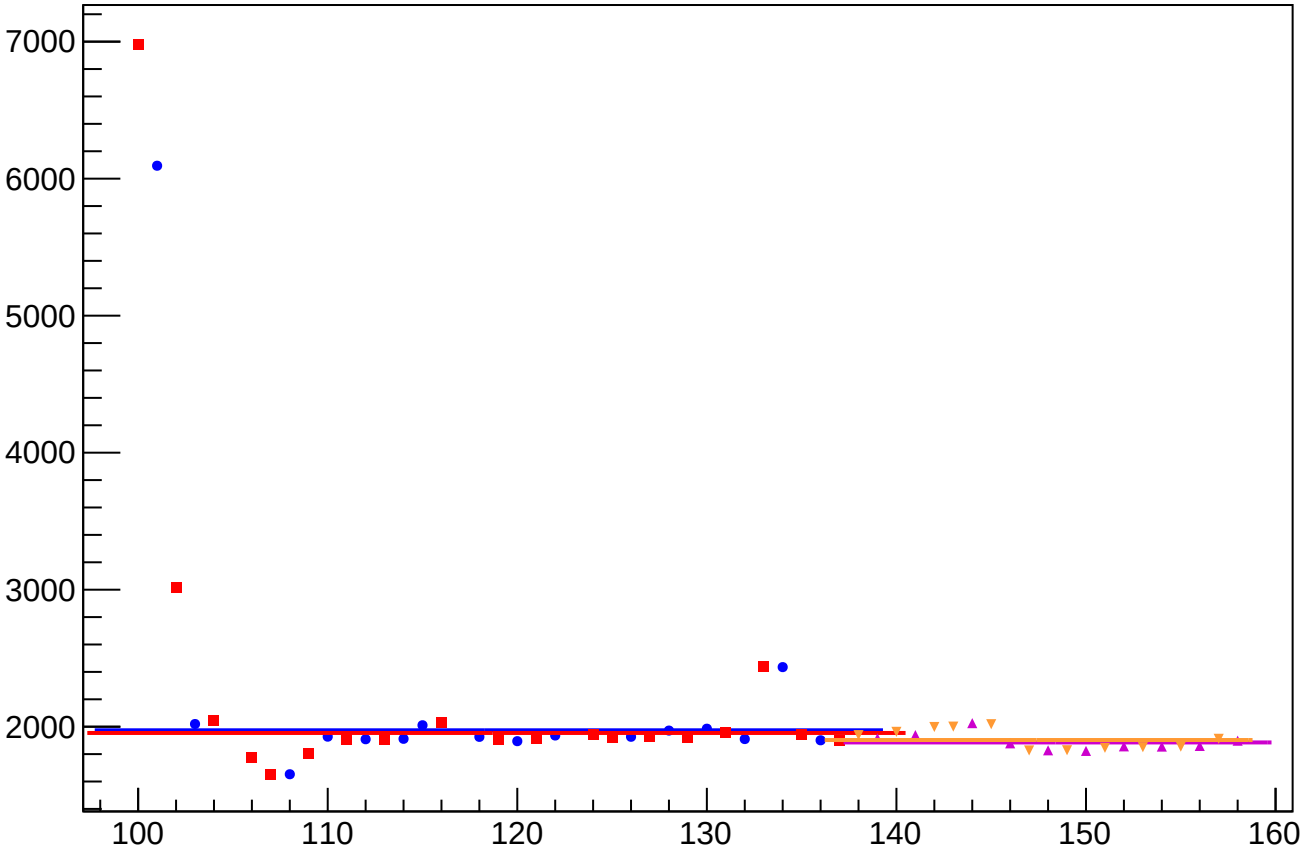
Left In: -3553.103+/-638.529 χ^2/NDF:14.7/9

+ sign 2354.944+/-489.656 χ^2/NDF: 24.9/26

All: -430.124+/-343.500 χ^2/NDF: 121.4/55

- sign -3128.755+/-481.998 χ^2/NDF: 32.8/28

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1902.797+/-0.457 χ^2/NDF:23042.7/10

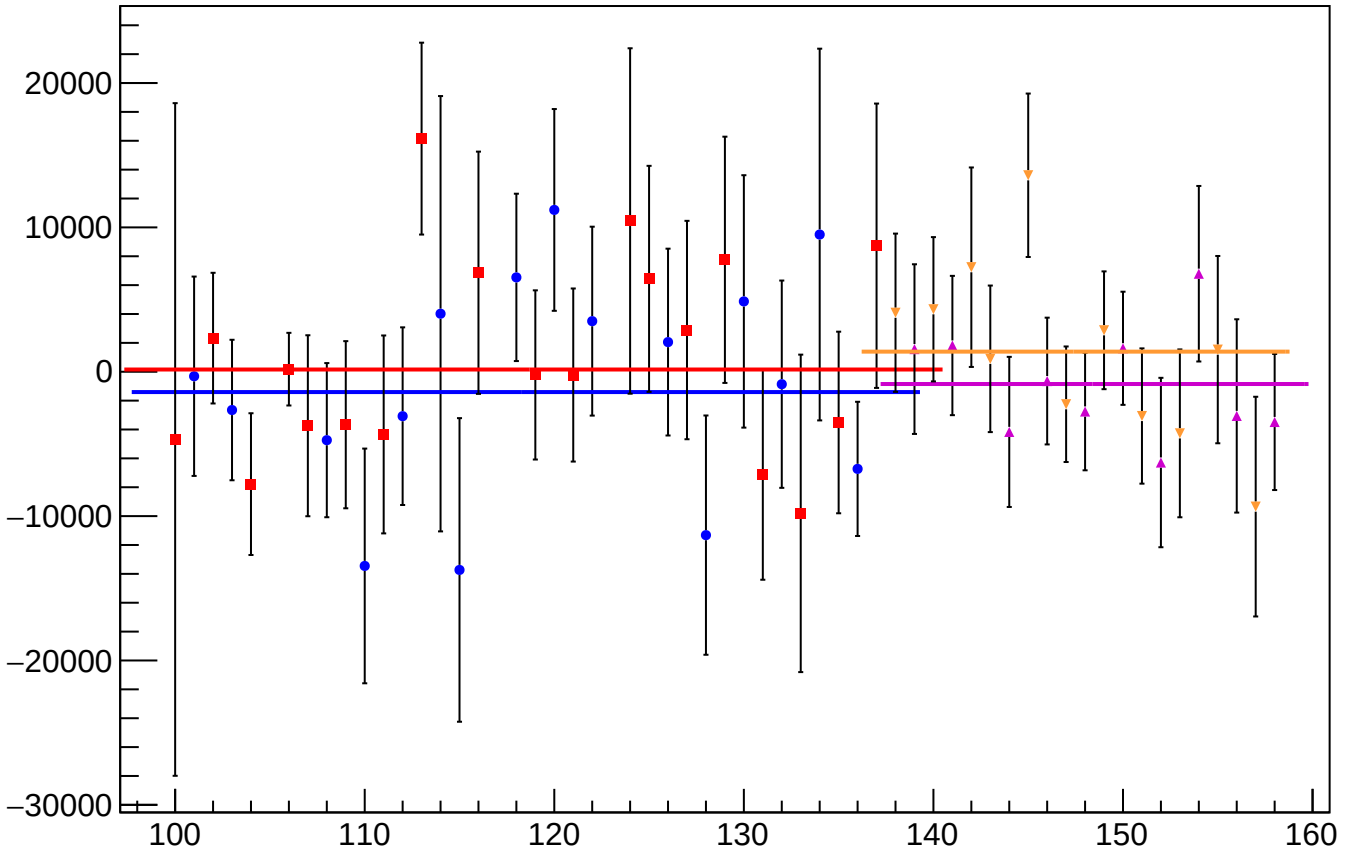
Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1885.185+/-0.452 χ^2/NDF:15508.8/9

+ sign 1932.970+/-0.346 χ^2/NDF: 698430.1/26

All: 1923.822+/-0.243 χ^2/NDF: 971625.4/55

- sign 1914.964+/-0.341 χ^2/NDF: 271821.3/28



Right In: -1407.363+/-1689.986 χ^2/NDF: 14.2/15

Left Out: 1393.883+/-1575.253 χ^2/NDF:10.8/10

Right Out: 155.272+/-1363.639 χ^2/NDF: 15.8/18

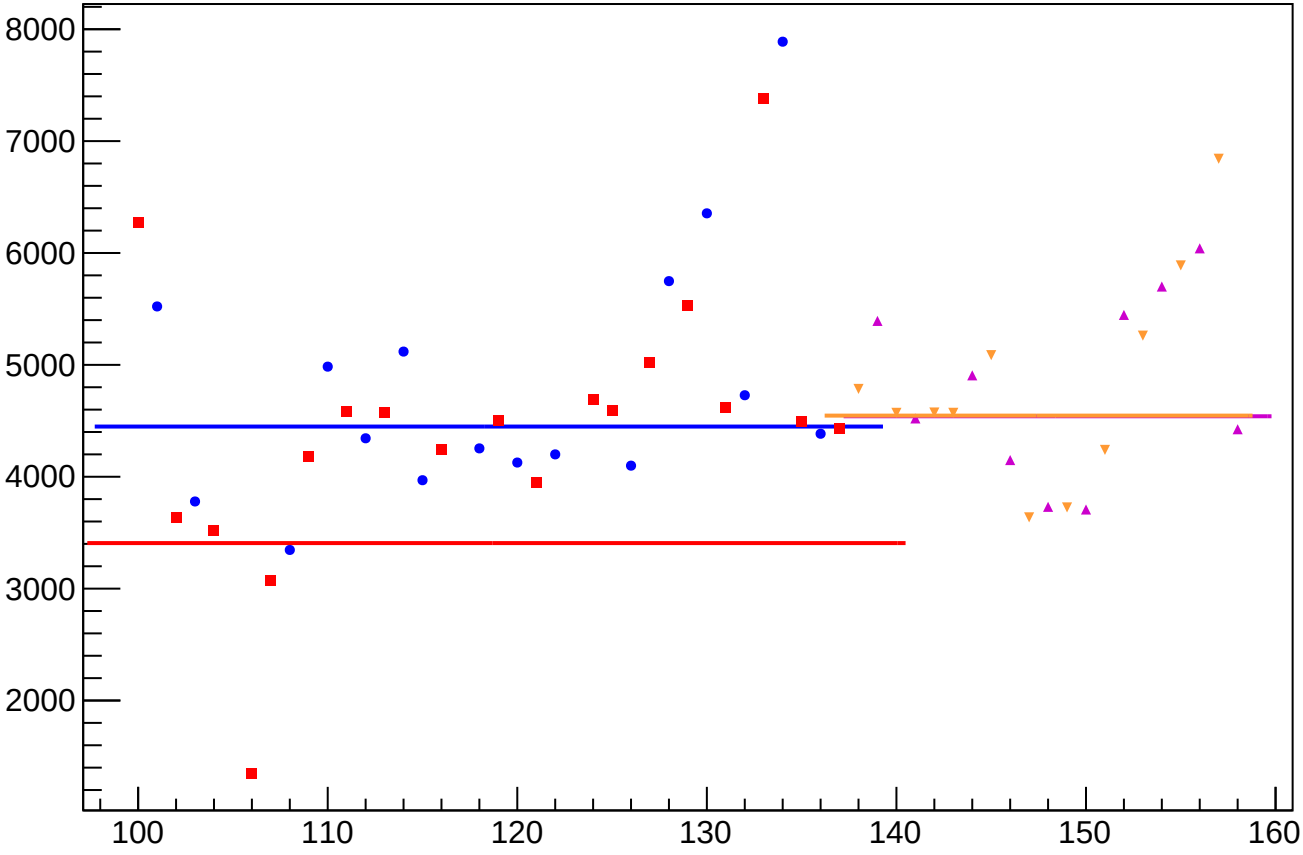
Left In: -849.412+/-1562.503 χ^2/NDF:4.4/9

+ sign 91.568+/-1152.300 χ^2/NDF: 26.5/26

All: -114.939+/-766.852 χ^2/NDF: 46.9/55

- sign -279.104+/-1027.399 χ^2/NDF: 20.4/28

asym_atr_avg_eigen_dit_correction_rms vs Slug



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4546.441+/-1.114 χ^2/NDF:512867.7/10

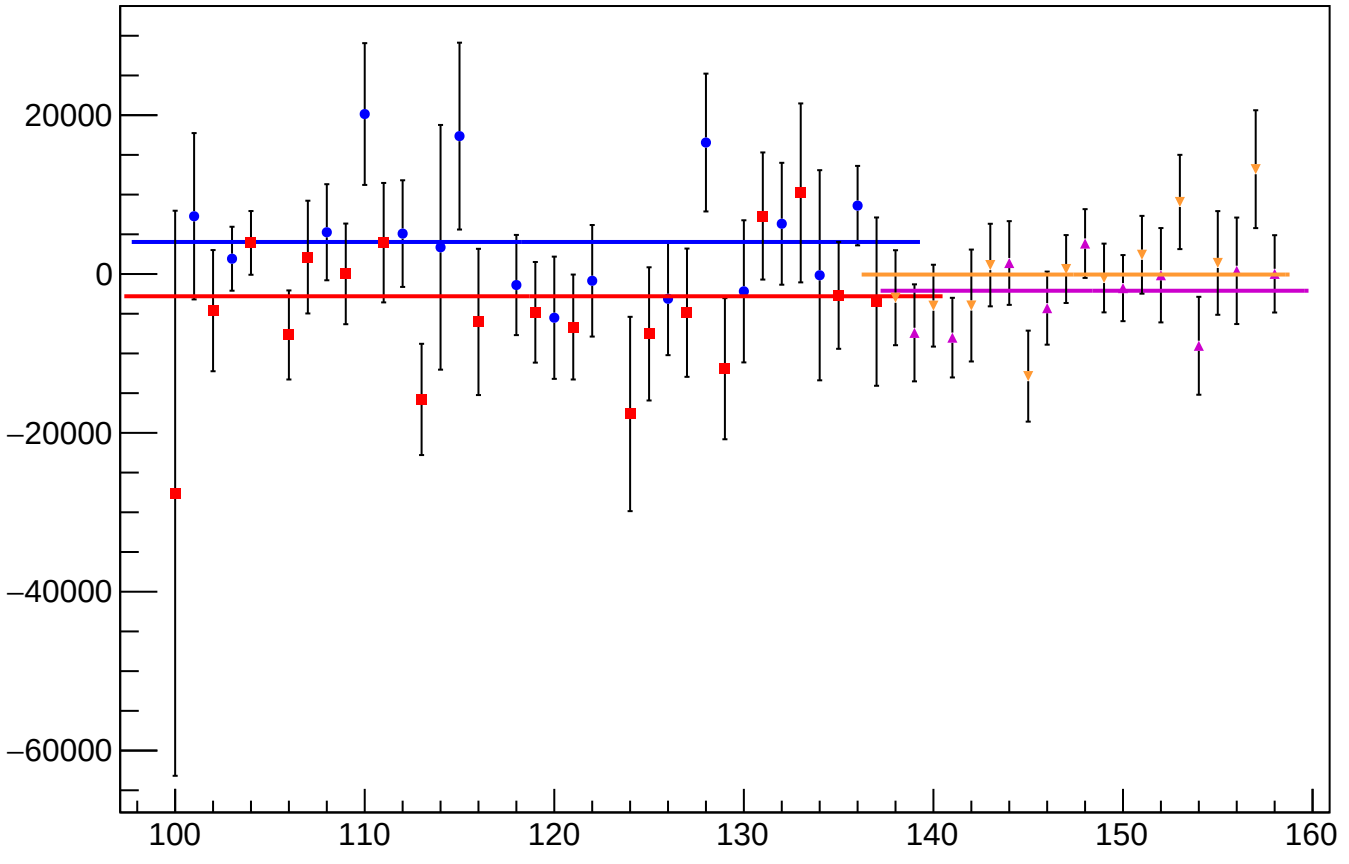
Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

Left In: 4540.595+/-1.105 χ^2/NDF:459485.0/9

+ sign 4501.002+/-0.815 χ^2/NDF: 1011057.8/26

All: 4164.604+/-0.542 χ^2/NDF: 4700002.7/55

- sign 3897.179+/-0.726 χ^2/NDF: 3382986.4/28



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: -66.358+/-1637.274 χ^2/NDF:12.1/10

Right Out: -2800.547+/-1671.877 χ^2/NDF: 15.4/18

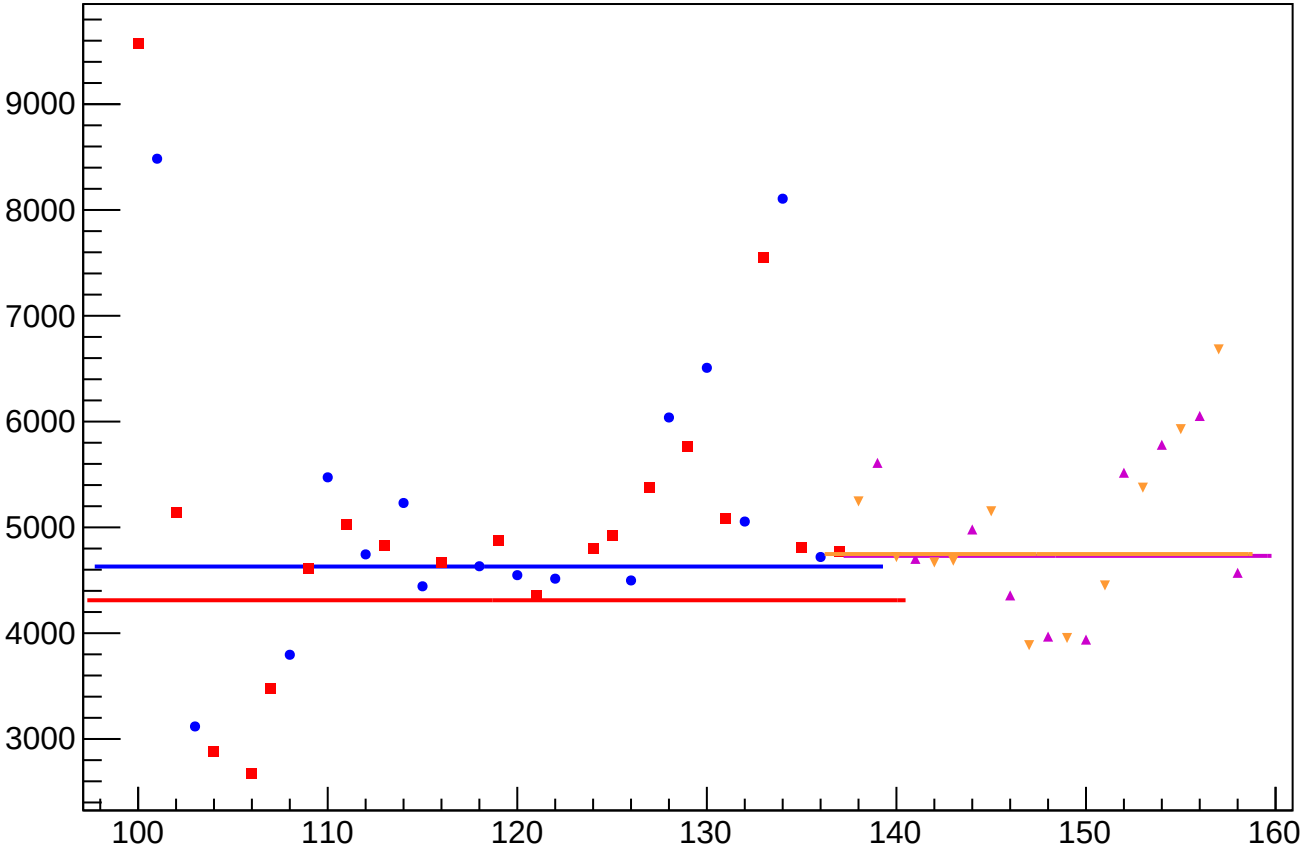
Left In: -2105.664+/-1622.171 χ^2/NDF:6.4/9

+ sign 1810.805+/-1205.660 χ^2/NDF: 27.3/26

All: -390.255+/-837.496 χ^2/NDF: 55.7/55

- sign -2442.622+/-1164.224 χ^2/NDF: 21.9/28

asym_atr_avg_rms vs Slug



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 4747.923+/-1.158 χ^2/NDF:403763.2/10

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

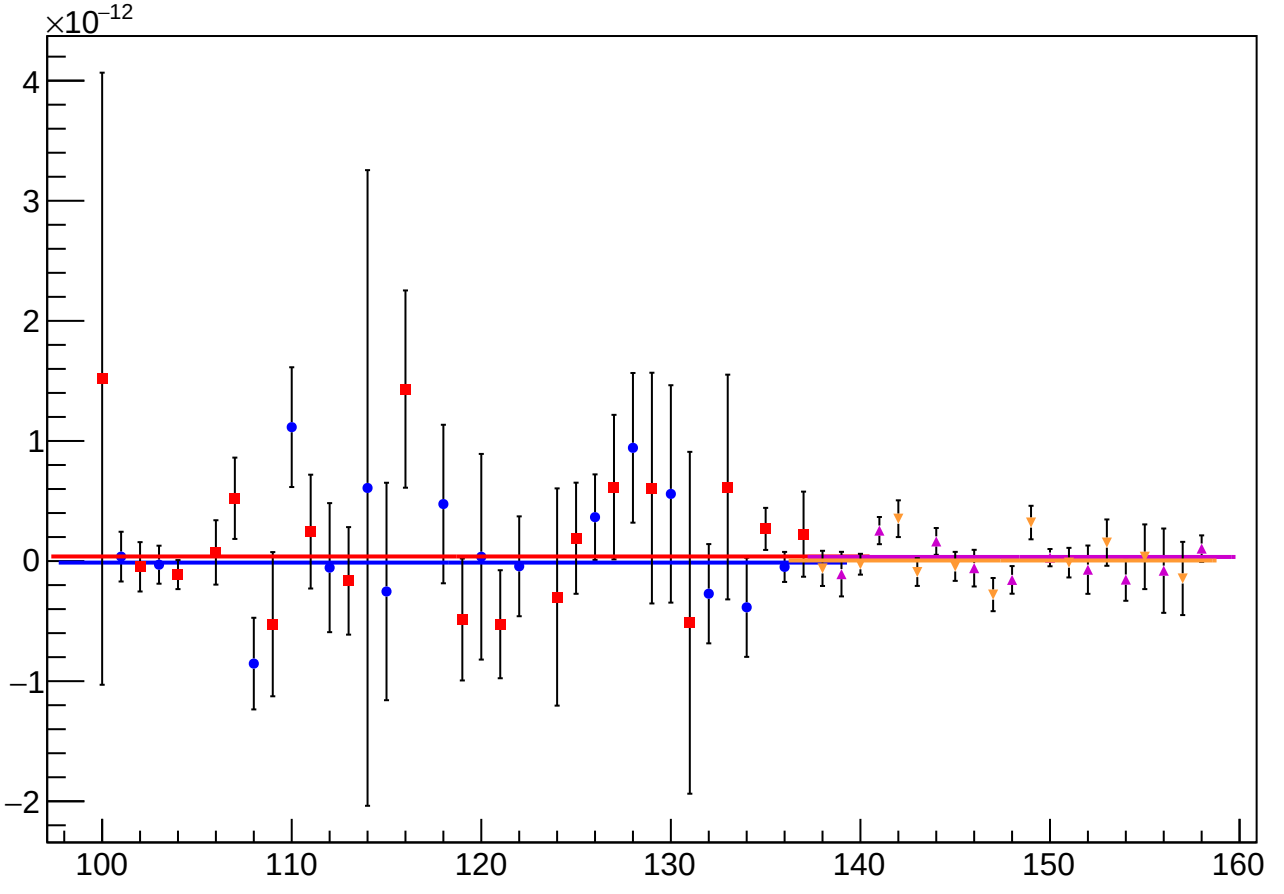
Left In: 4730.765+/-1.147 χ^2/NDF:366611.0/9

+ sign 4693.930+/-0.853 χ^2/NDF: 1308761.2/26

All: 4606.415+/-0.591 χ^2/NDF: 2665843.7/55

- sign 4525.499+/-0.820 χ^2/NDF: 1336801.7/28

asym_atr_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.6/10

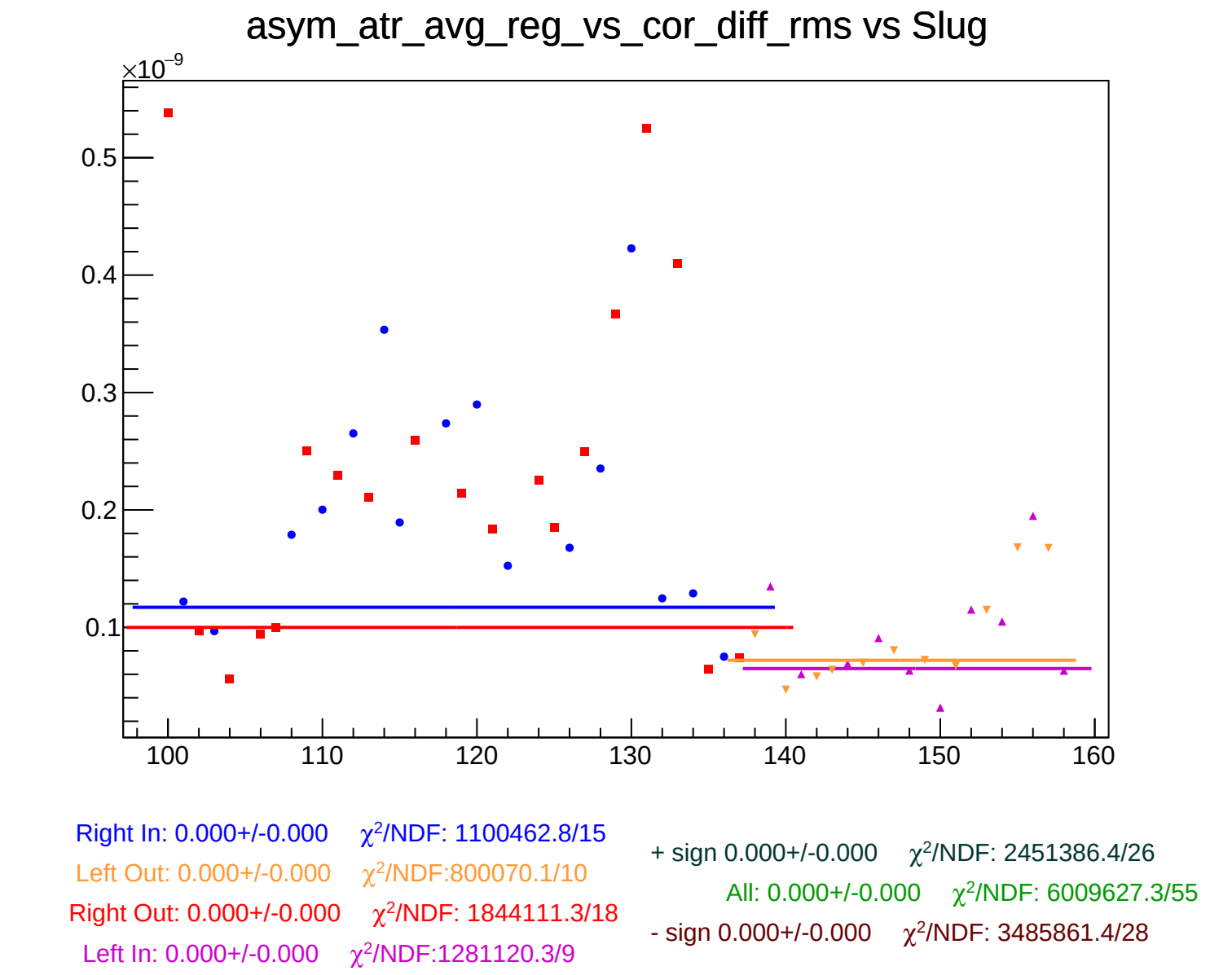
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:10.8/9

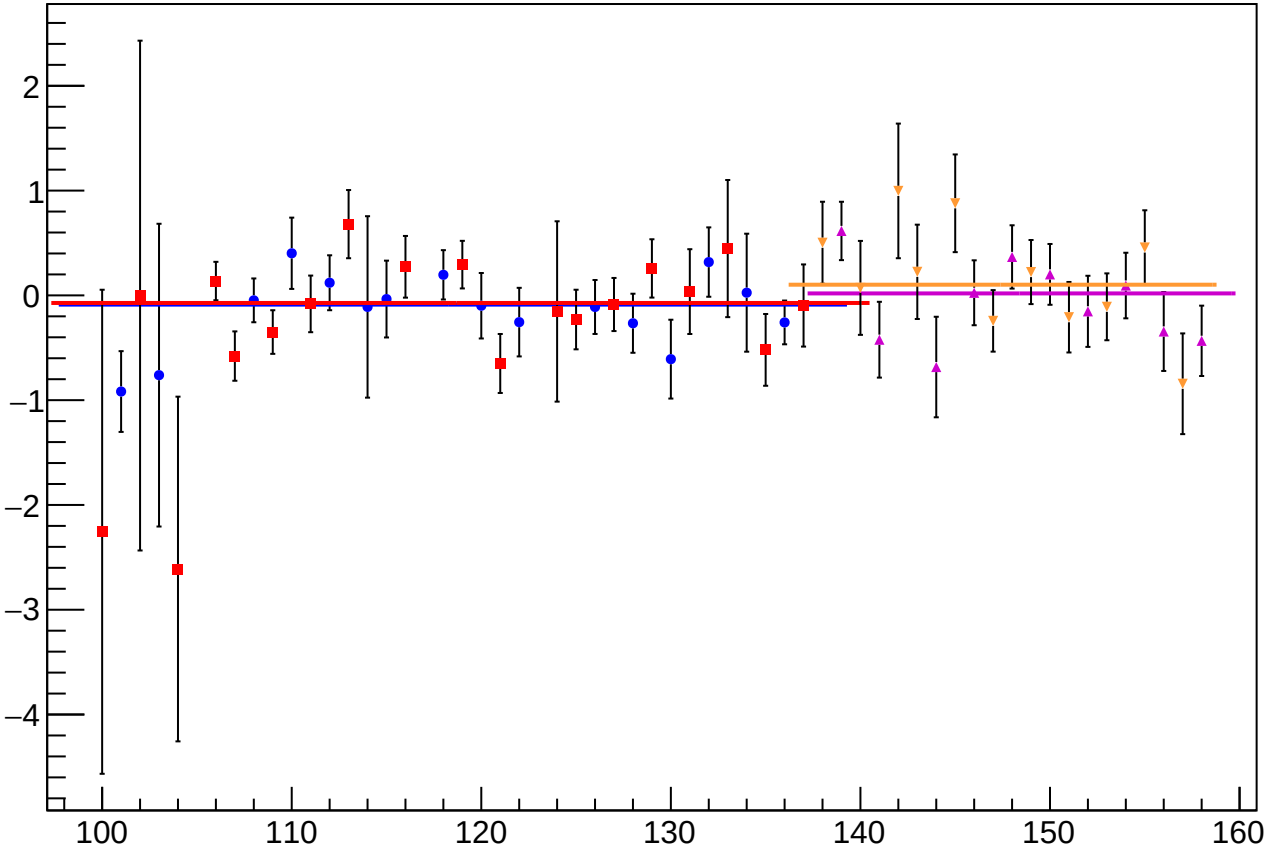
+ sign 0.000+/-0.000 χ^2/NDF: 32.5/26

All: 0.000+/-0.000 χ^2/NDF: 58.7/55

- sign 0.000+/-0.000 χ^2/NDF: 25.7/28


asym_atr_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1100462.8/15
Left Out: 0.000+/-0.000 χ²/NDF:800070.1/10
Right Out: 0.000+/-0.000 χ²/NDF: 1844111.3/18
Left In: 0.000+/-0.000 χ²/NDF:1281120.3/9
+ sign 0.000+/-0.000 χ²/NDF: 2451386.4/26
All: 0.000+/-0.000 χ²/NDF: 6009627.3/55
- sign 0.000+/-0.000 χ²/NDF: 3485861.4/28

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.102+/-0.114 χ^2/NDF:13.5/10

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

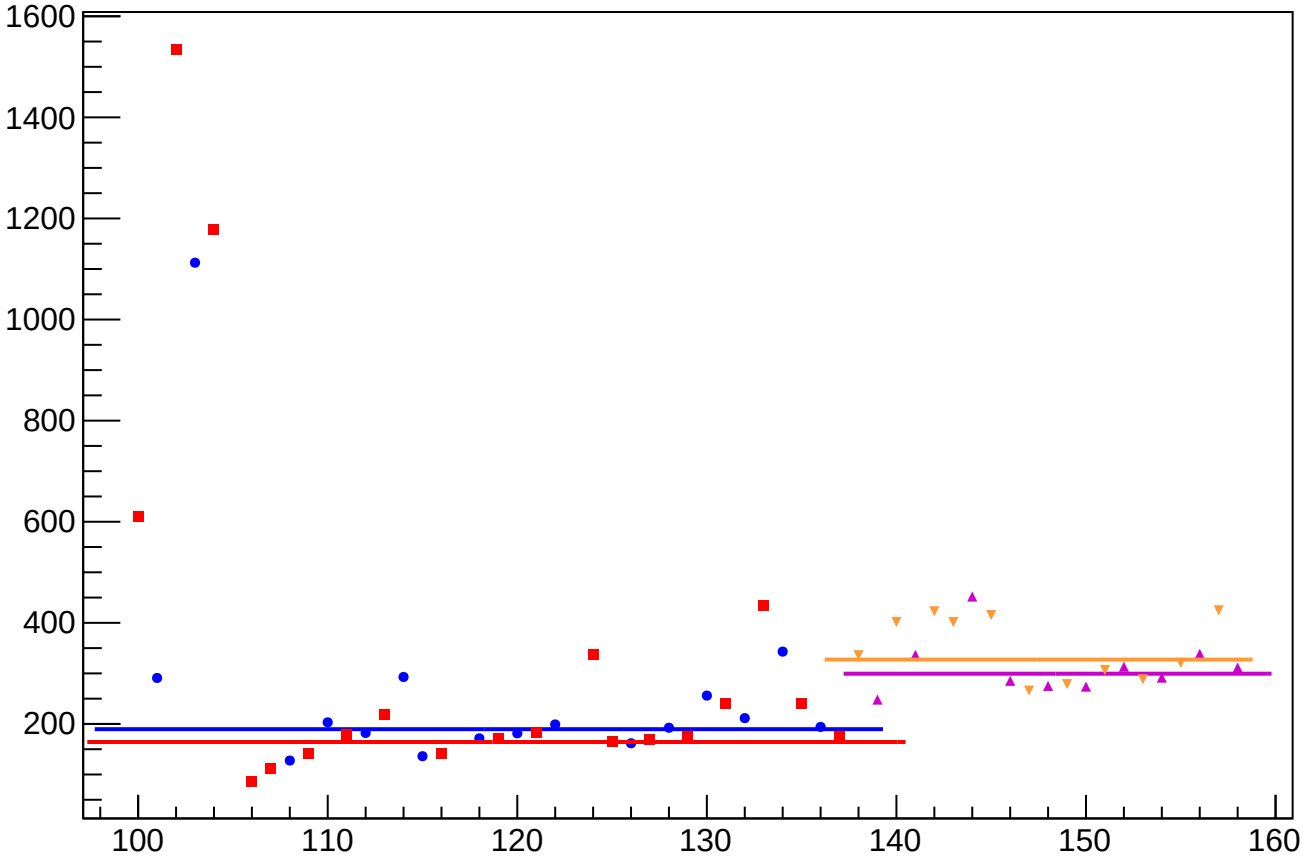
Left In: 0.019+/-0.104 χ^2/NDF:13.0/9

+ sign -0.029+/-0.064 χ^2/NDF: 29.3/26

All: -0.037+/-0.043 χ^2/NDF: 71.5/55

- sign -0.044+/-0.058 χ^2/NDF: 42.2/28

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 327.274+/-0.081 χ^2/NDF:483965.6/10

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

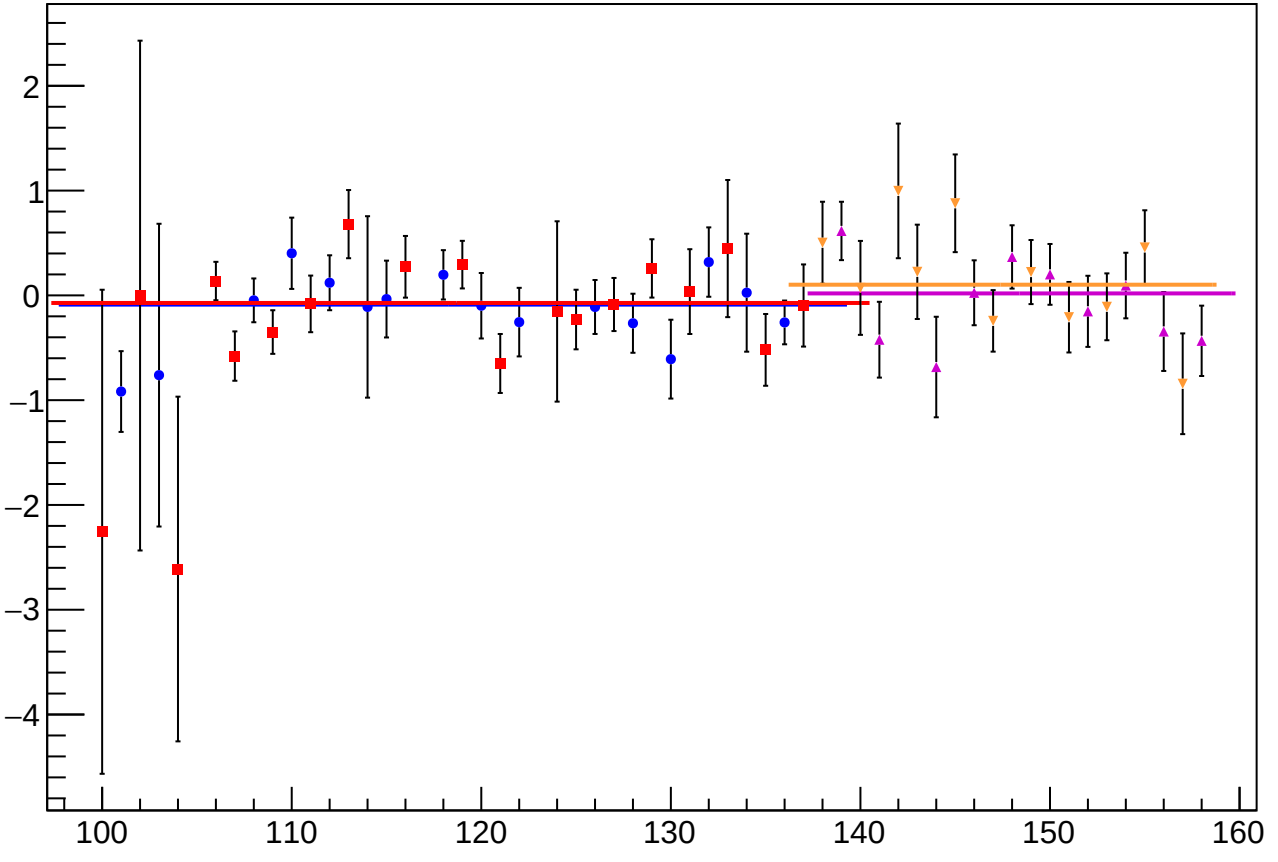
Left In: 299.389+/-0.073 χ^2/NDF:352539.0/9

+ sign 232.466+/-0.045 χ^2/NDF: 3950433.2/26

All: 218.316+/-0.030 χ^2/NDF: 9458146.9/55

- sign 206.579+/-0.041 χ^2/NDF: 5327253.9/28

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.102+/-0.114 χ^2/NDF:13.5/10

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

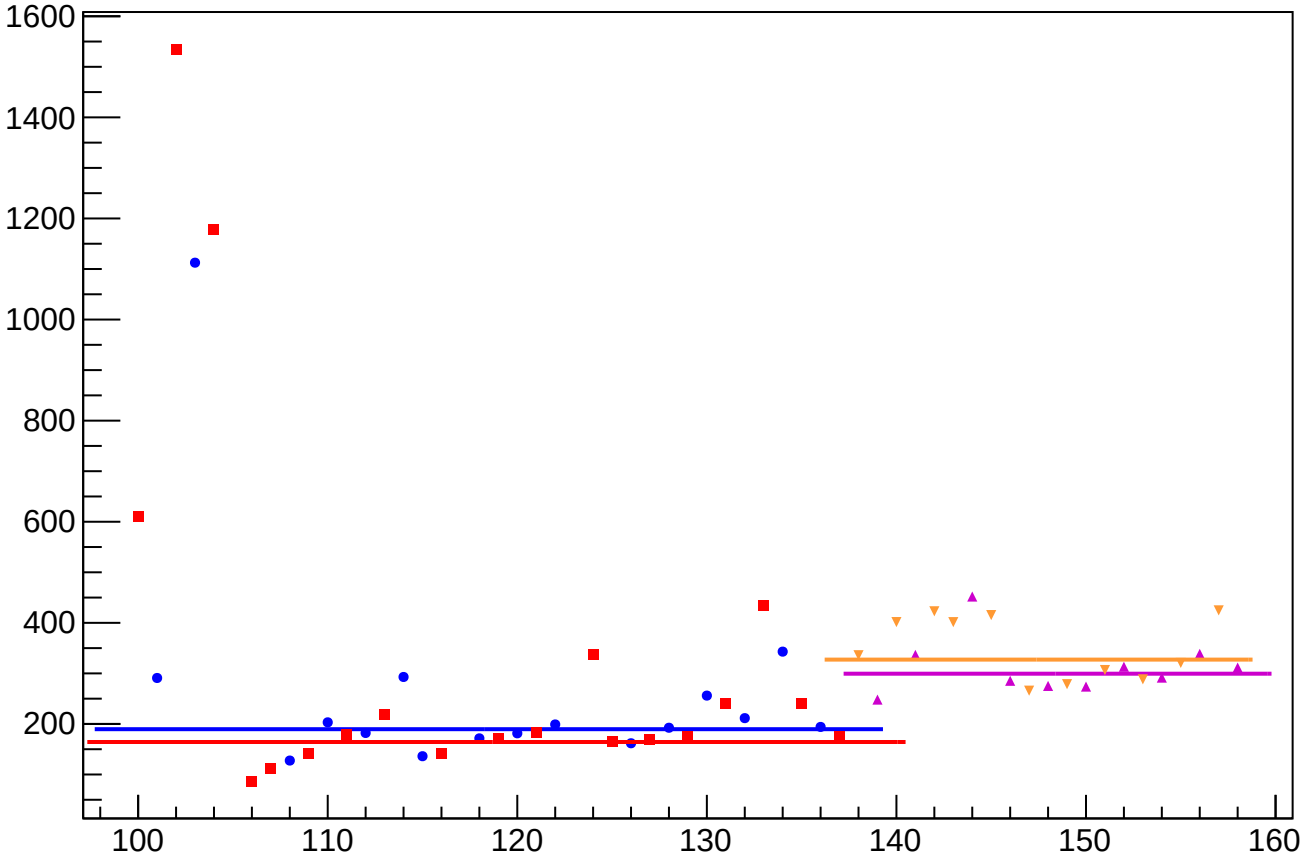
Left In: 0.019+/-0.104 χ^2/NDF:13.0/9

+ sign -0.029+/-0.064 χ^2/NDF: 29.3/26

All: -0.037+/-0.043 χ^2/NDF: 71.5/55

- sign -0.044+/-0.058 χ^2/NDF: 42.2/28

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 327.274+/-0.081 χ^2/NDF:483965.6/10

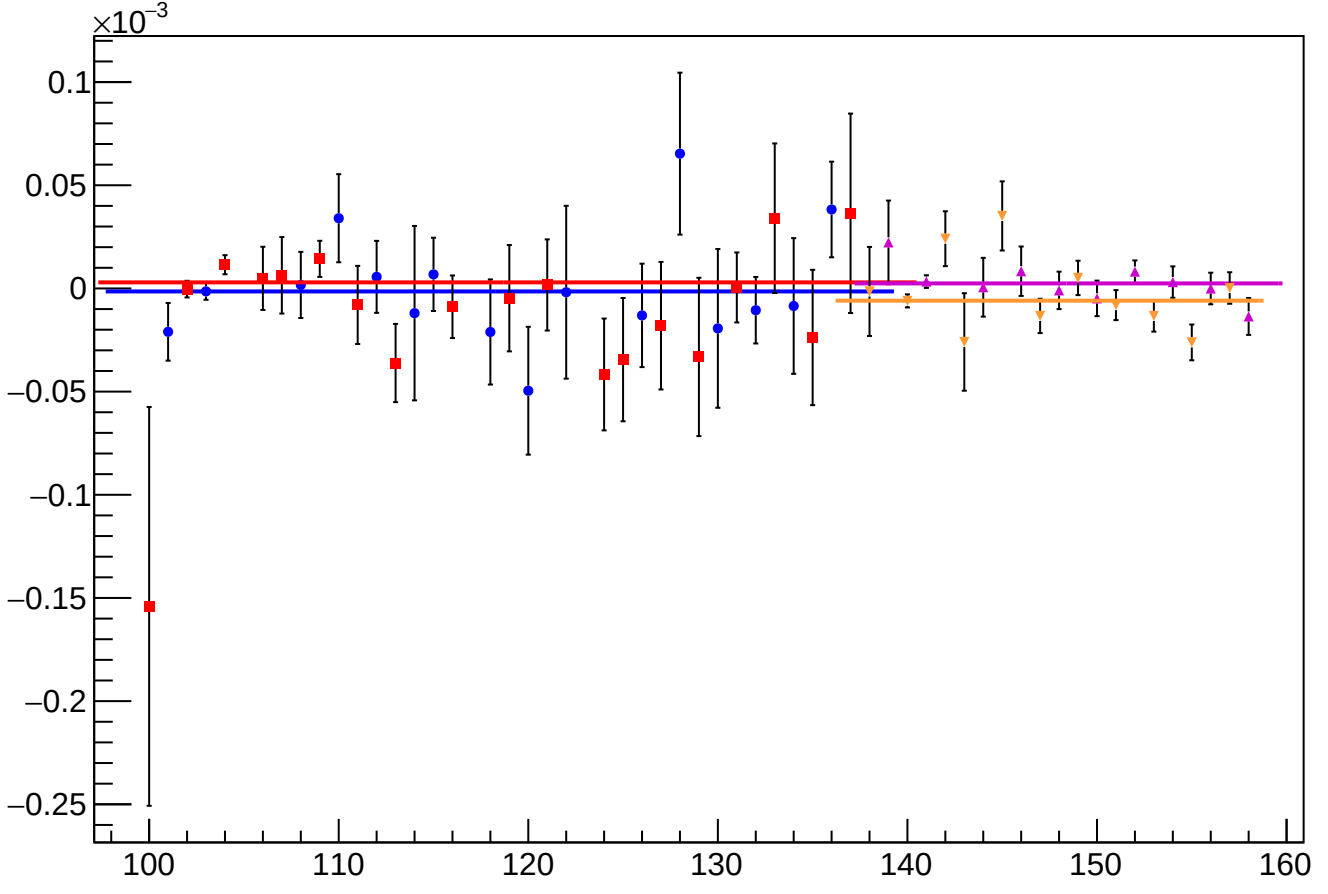
Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 299.389+/-0.073 χ^2/NDF:352539.0/9

+ sign 232.466+/-0.045 χ^2/NDF: 3950433.2/26

All: 218.316+/-0.030 χ^2/NDF: 9458146.9/55

- sign 206.579+/-0.041 χ^2/NDF: 5327253.9/28



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.5/10

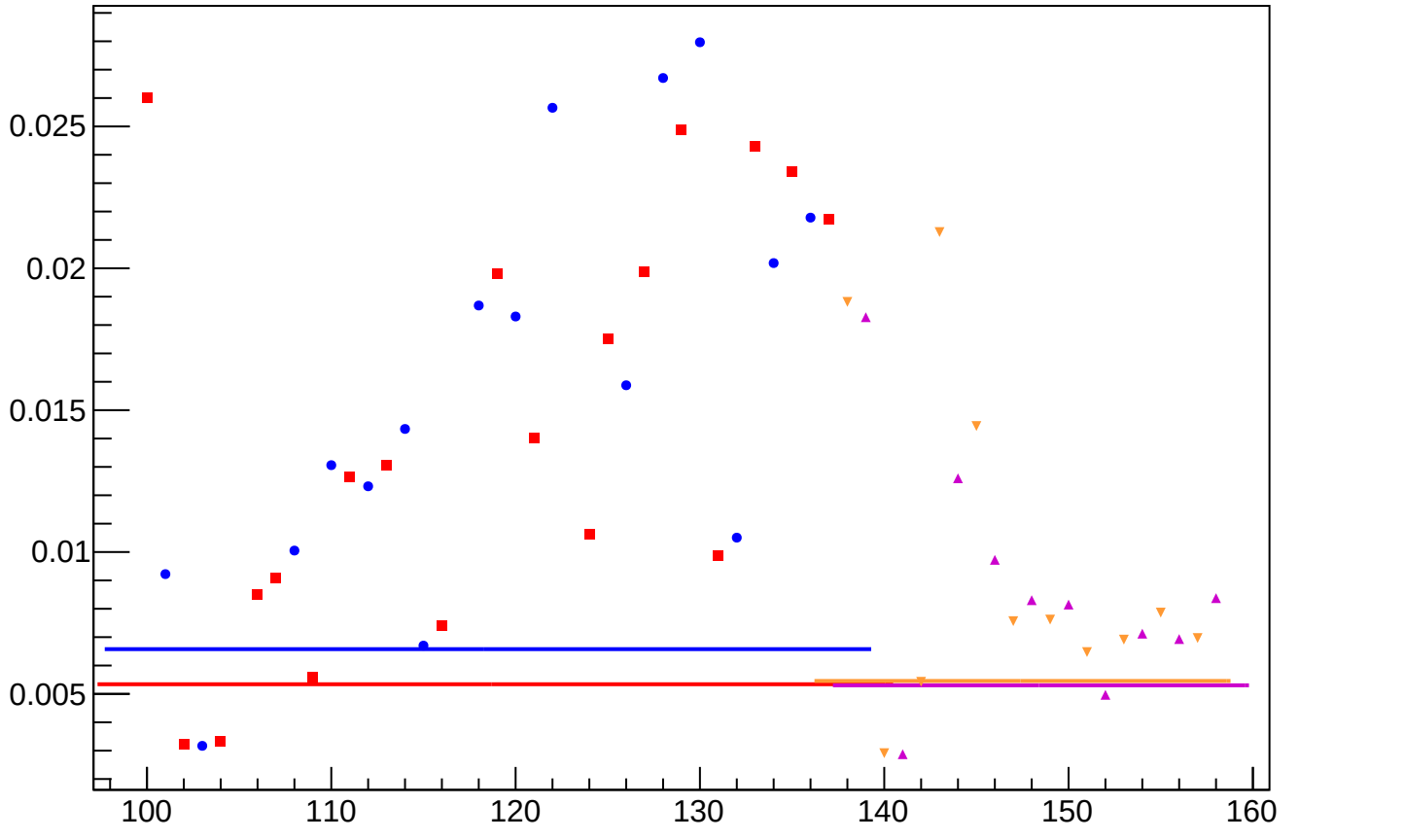
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: 0.000+/-0.000 χ^2/NDF:6.6/9

+ sign -0.000+/-0.000 χ^2/NDF: 37.6/26

All: -0.000+/-0.000 χ^2/NDF: 74.2/55

- sign 0.000+/-0.000 χ^2/NDF: 27.9/28



Right In: 0.007+/-0.000 χ^2/NDF: 5928012.0/15

Left Out: 0.005+/-0.000 χ^2/NDF:4133670.8/10

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

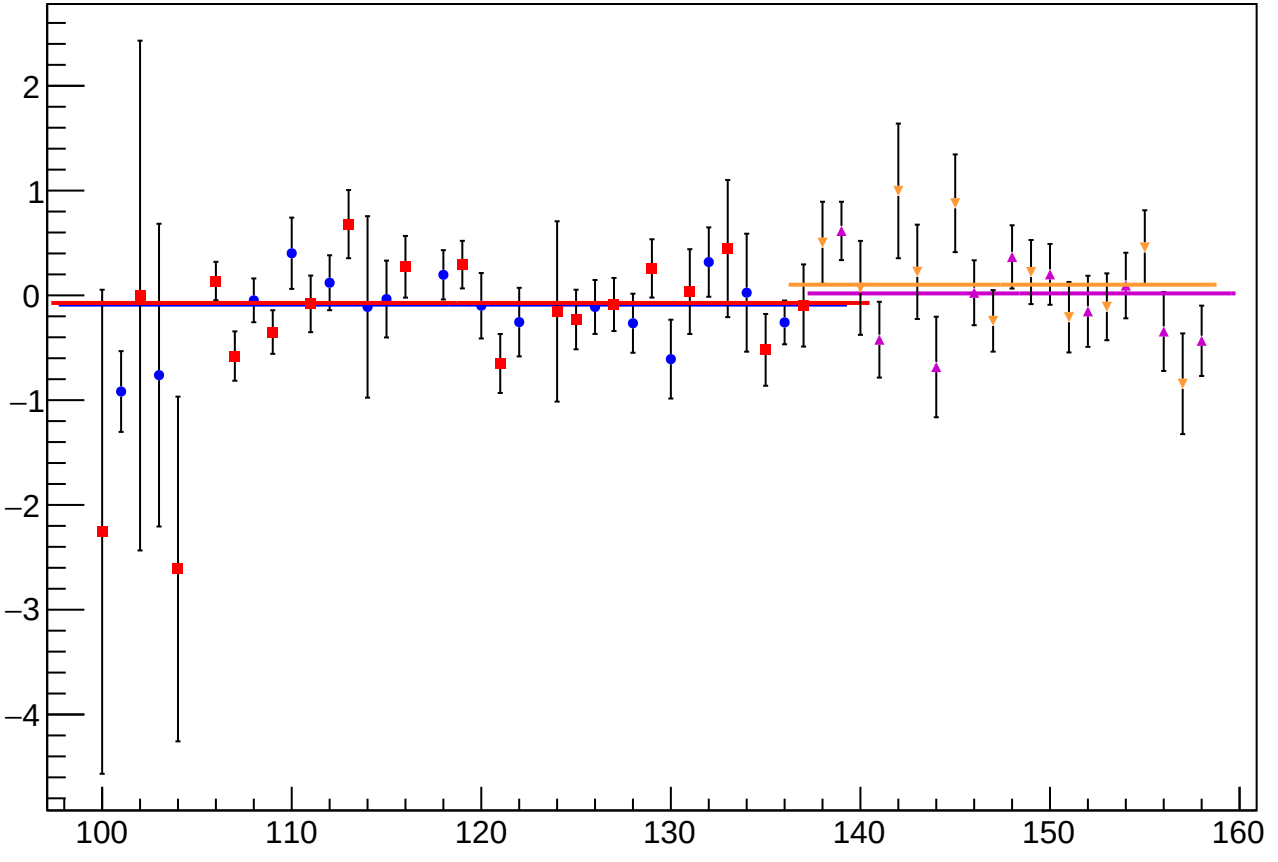
Left In: 0.005+/-0.000 χ^2/NDF:3762481.6/9

+ sign 0.006+/-0.000 χ^2/NDF: 10221073.5/26

All: 0.006+/-0.000 χ^2/NDF: 19746724.5/55

- sign 0.005+/-0.000 χ^2/NDF: 9448649.0/28

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.102+/-0.114 χ^2/NDF:13.5/10

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

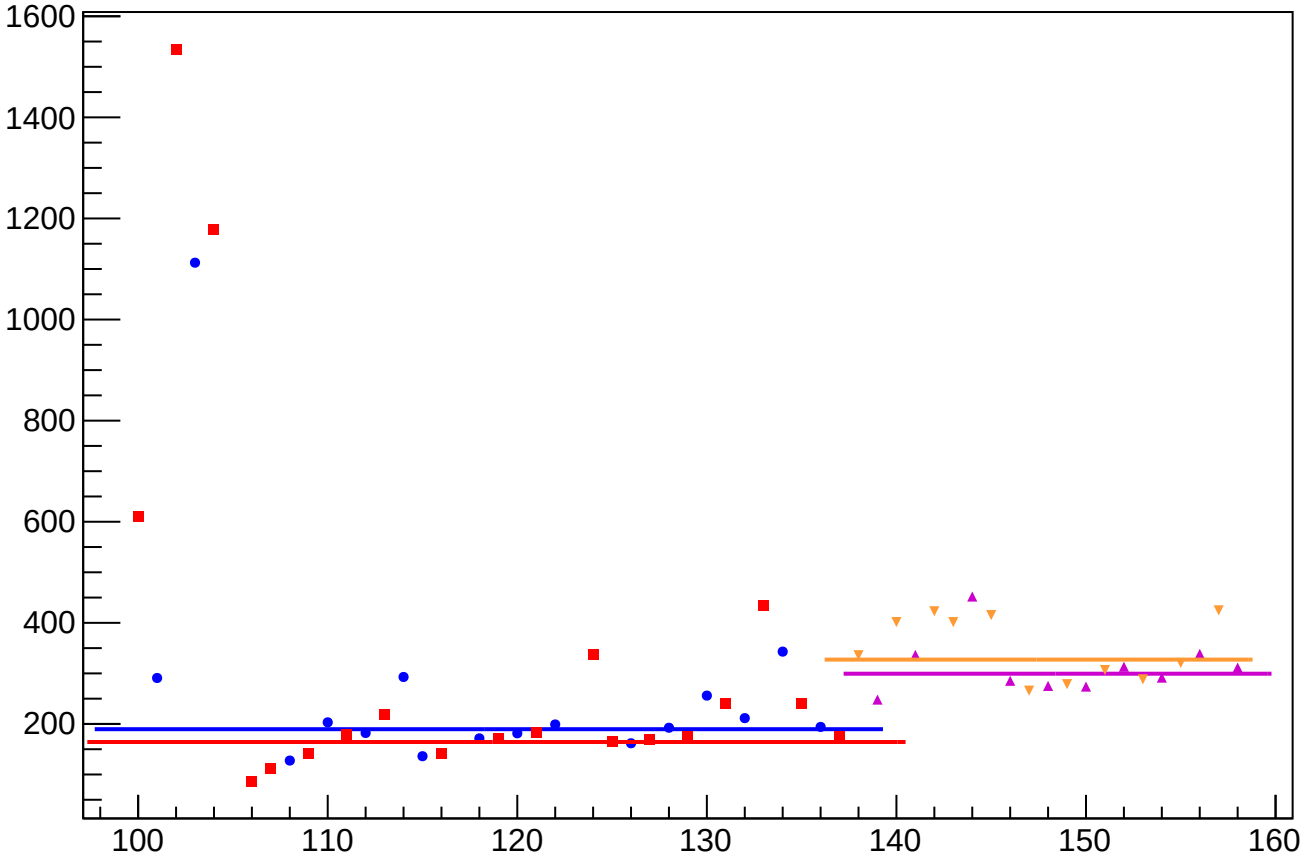
Left In: 0.019+/-0.104 χ^2/NDF:13.0/9

+ sign -0.029+/-0.064 χ^2/NDF: 29.3/26

All: -0.037+/-0.043 χ^2/NDF: 71.5/55

- sign -0.044+/-0.058 χ^2/NDF: 42.2/28

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 327.277+/-0.081 χ^2/NDF:483952.6/10

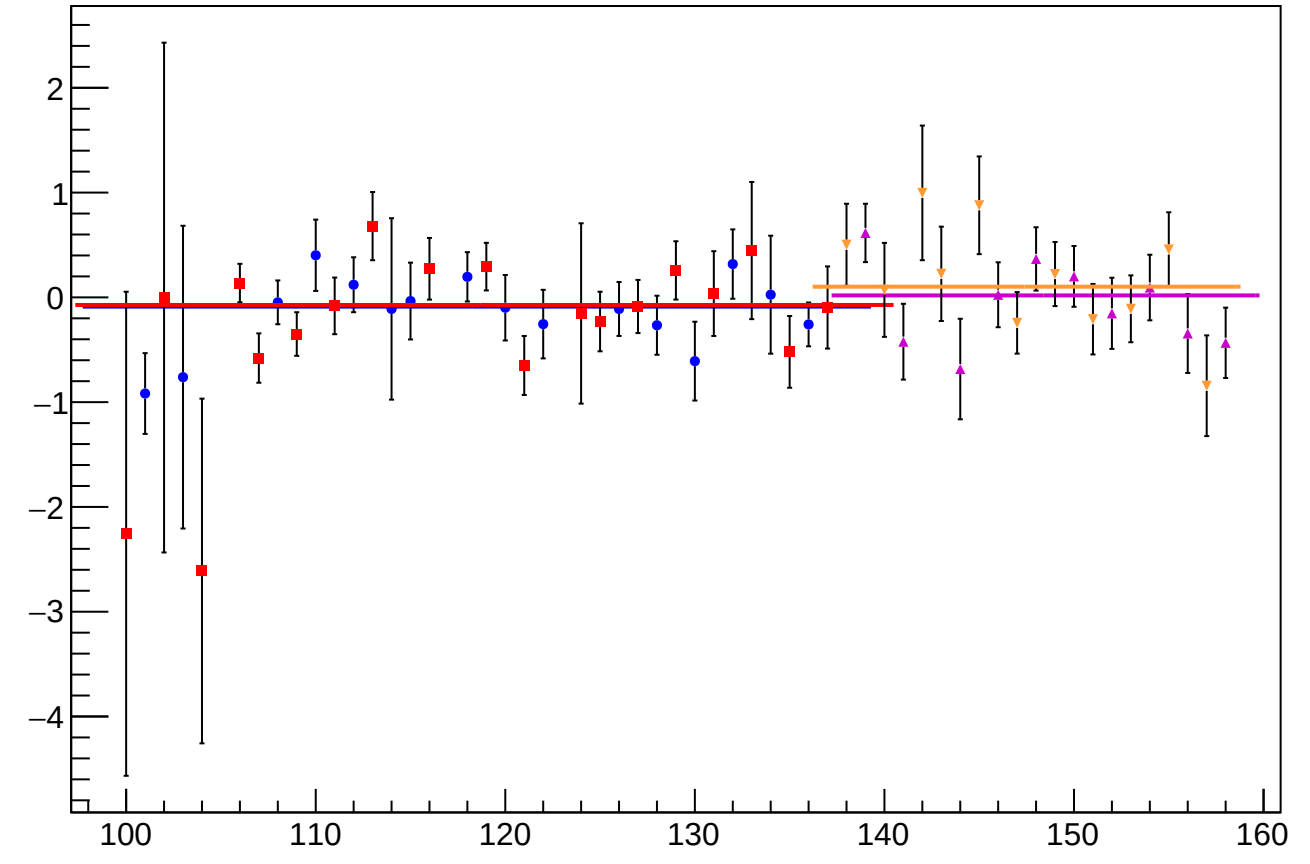
Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 299.393+/-0.073 χ^2/NDF:352520.0/9

+ sign 232.465+/-0.045 χ^2/NDF: 3950510.0/26

All: 218.316+/-0.030 χ^2/NDF: 9458305.9/55

- sign 206.579+/-0.041 χ^2/NDF: 5327334.3/28



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.102+/-0.114 χ^2/NDF:13.5/10

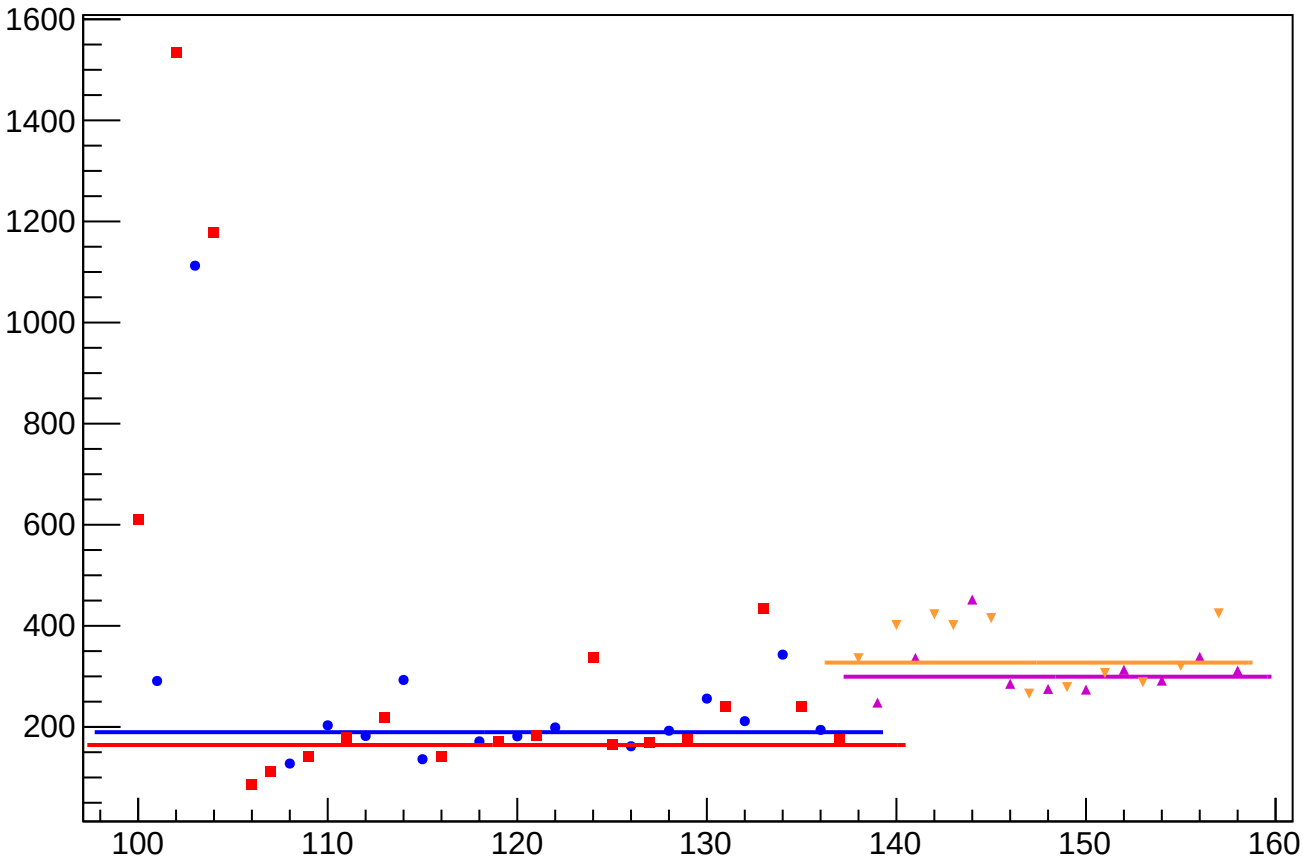
Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: 0.019+/-0.104 χ^2/NDF:13.0/9

+ sign -0.029+/-0.064 χ^2/NDF: 29.3/26

All: -0.037+/-0.043 χ^2/NDF: 71.5/55

- sign -0.044+/-0.058 χ^2/NDF: 42.2/28



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 327.277+/-0.081 χ^2/NDF:483952.6/10

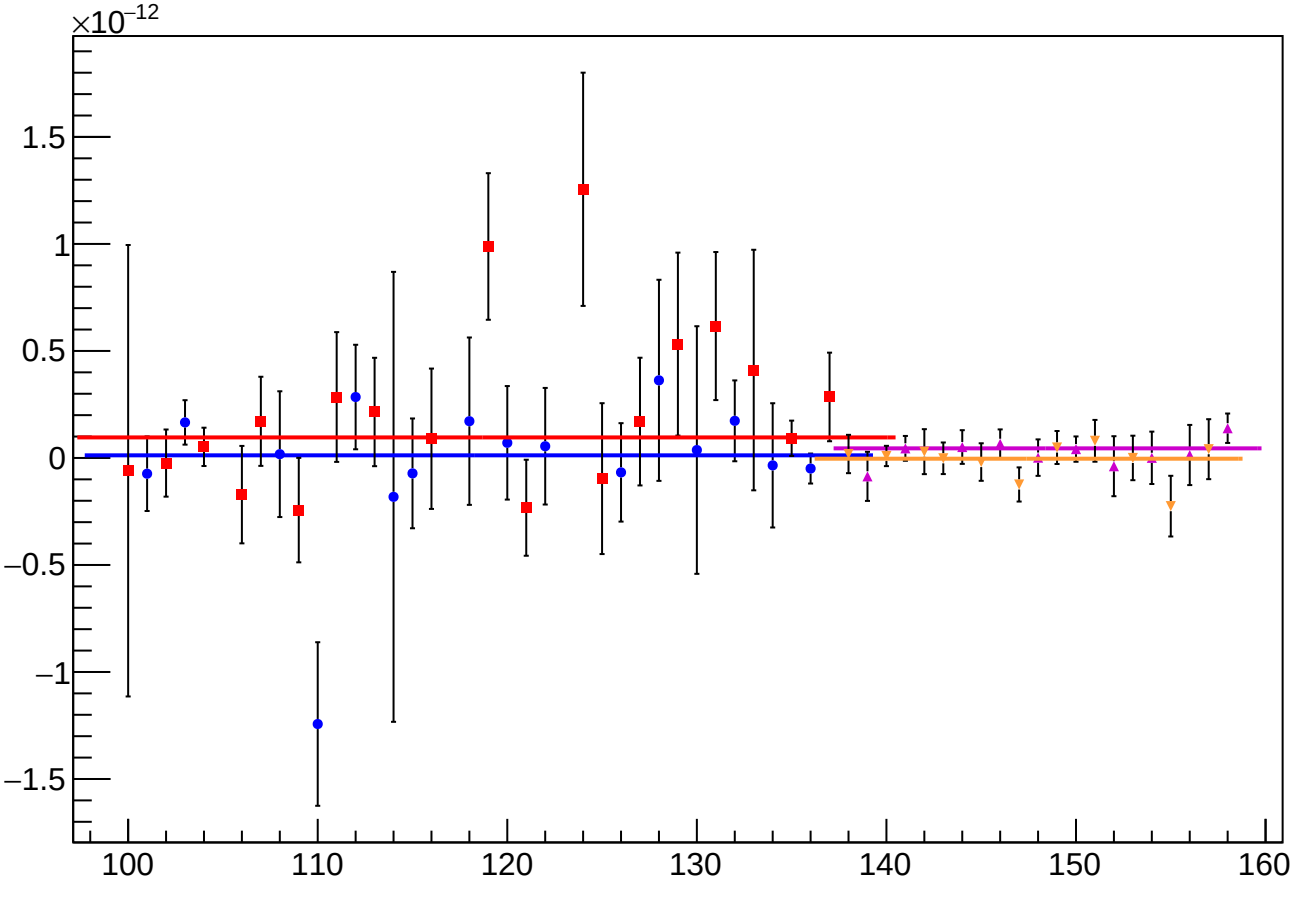
Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 299.393+/-0.073 χ^2/NDF:352520.0/9

+ sign 232.465+/-0.045 χ^2/NDF: 3950510.0/26

All: 218.316+/-0.030 χ^2/NDF: 9458305.9/55

- sign 206.579+/-0.041 χ^2/NDF: 5327334.3/28



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

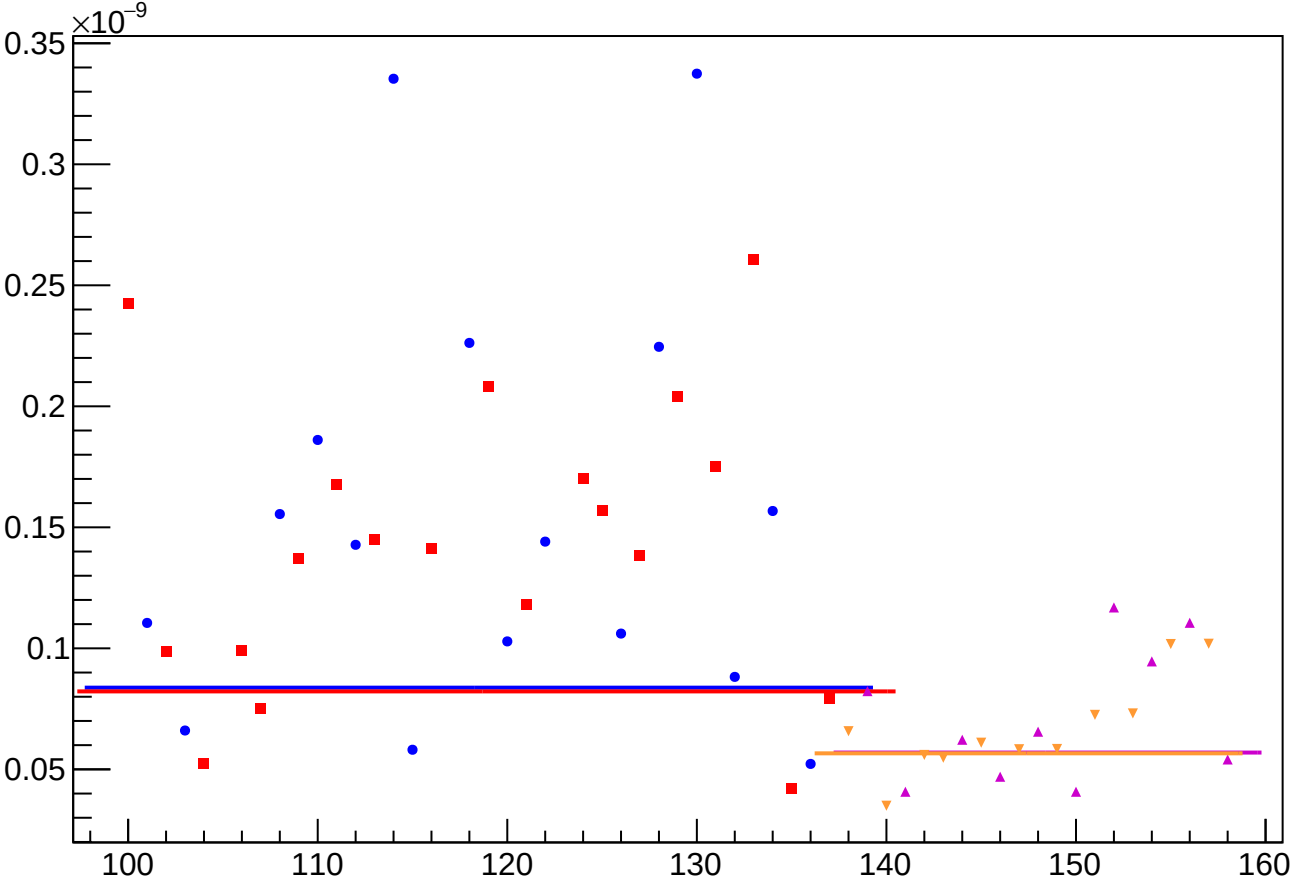
Left In: 0.000+/-0.000 χ^2/NDF:4.1/9

+ sign 0.000+/-0.000 χ^2/NDF: 23.4/26

All: 0.000+/-0.000 χ^2/NDF: 55.1/55

- sign 0.000+/-0.000 χ^2/NDF: 28.2/28

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2109060.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:961682.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

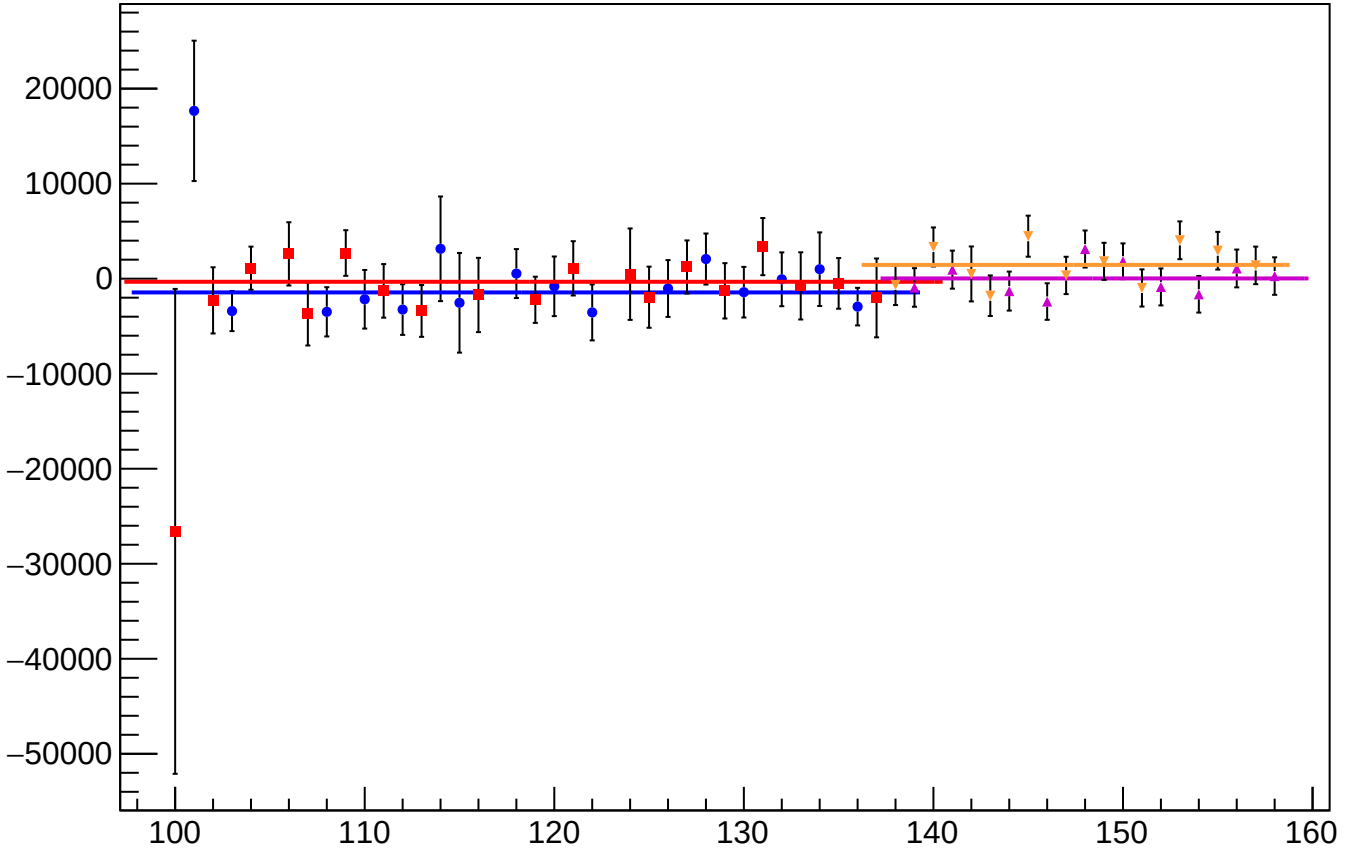
Left In: 0.000+/-0.000 χ^2/NDF:1326920.0/9

+ sign 0.000+/-0.000 χ^2/NDF: 3615766.1/26

All: 0.000+/-0.000 χ^2/NDF: 7697675.6/55

- sign 0.000+/-0.000 χ^2/NDF: 4081851.8/28

reg_asym_atr_dd_mean vs Slug



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1448.800+/-625.300 χ^2/NDF:10.4/10

Right Out: -325.908+/-702.648 χ^2/NDF: 9.9/18

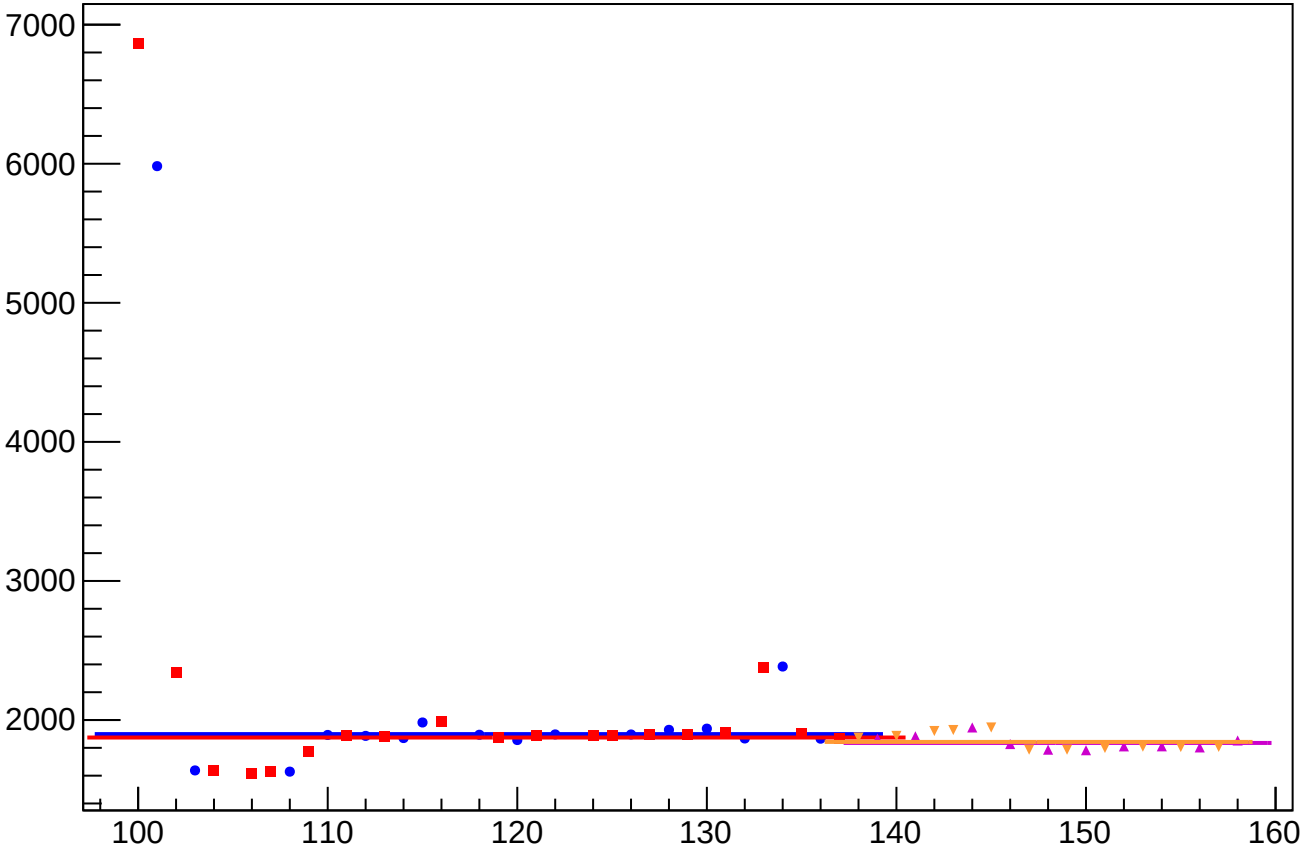
Left In: 24.148+/-621.525 χ^2/NDF:7.1/9

+ sign 210.106+/-472.992 χ^2/NDF: 33.0/26

All: 37.598+/-331.788 χ^2/NDF: 50.5/55

- sign -129.515+/-465.536 χ^2/NDF: 17.2/28

reg_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1842.618+/-0.442 χ^2/NDF:16812.2/10

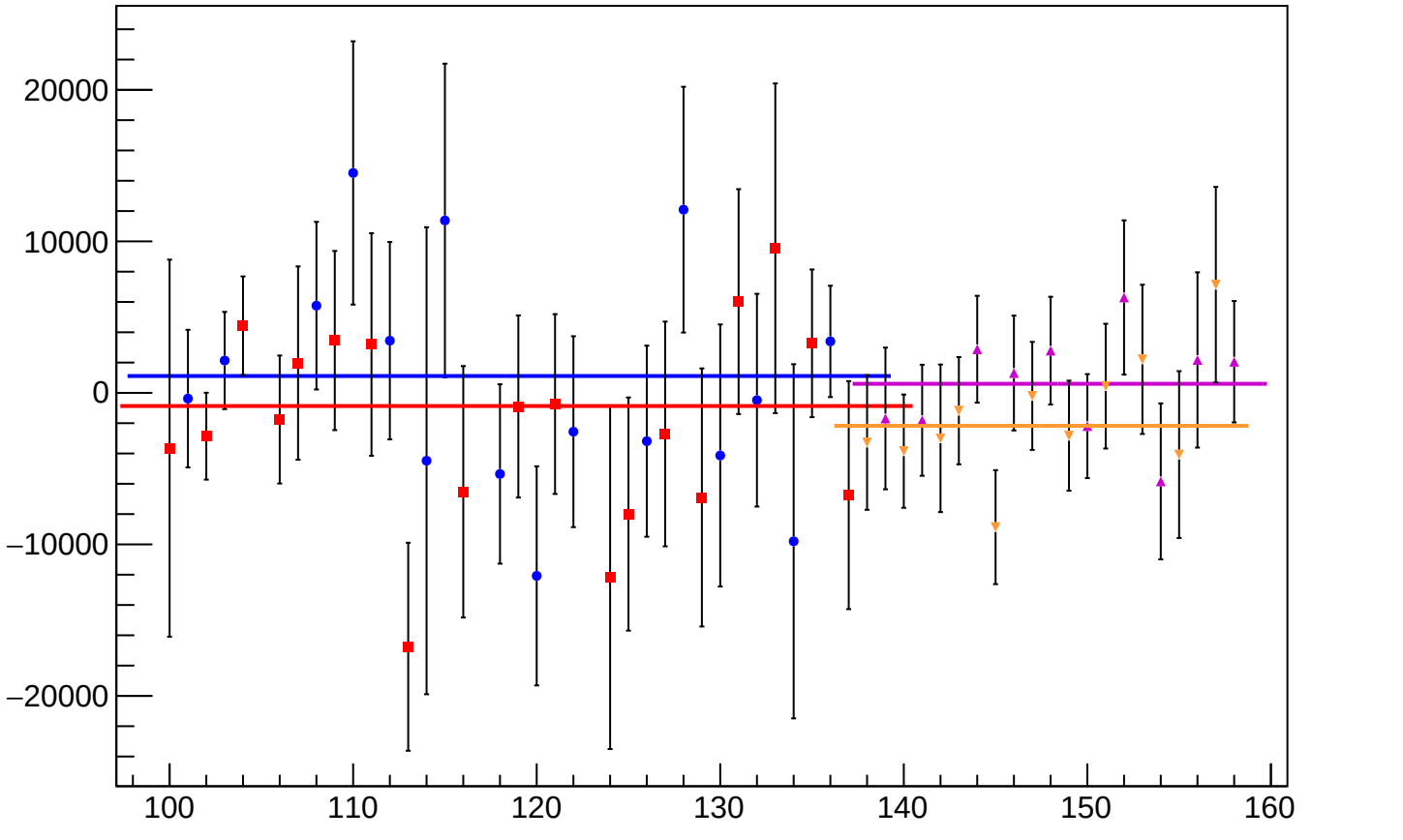
Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1835.263+/-0.439 χ^2/NDF:11665.2/9

+ sign 1866.665+/-0.334 χ^2/NDF: 721240.2/26

All: 1859.430+/-0.234 χ^2/NDF: 944950.8/55

- sign 1852.443+/-0.329 χ^2/NDF: 222790.7/28



Right In: 1112.704+/-1479.265 χ^2/NDF: 13.4/15

Left Out: -2175.797+/-1263.386 χ^2/NDF:7.3/10

Right Out: -866.976+/-1307.223 χ^2/NDF: 15.6/18

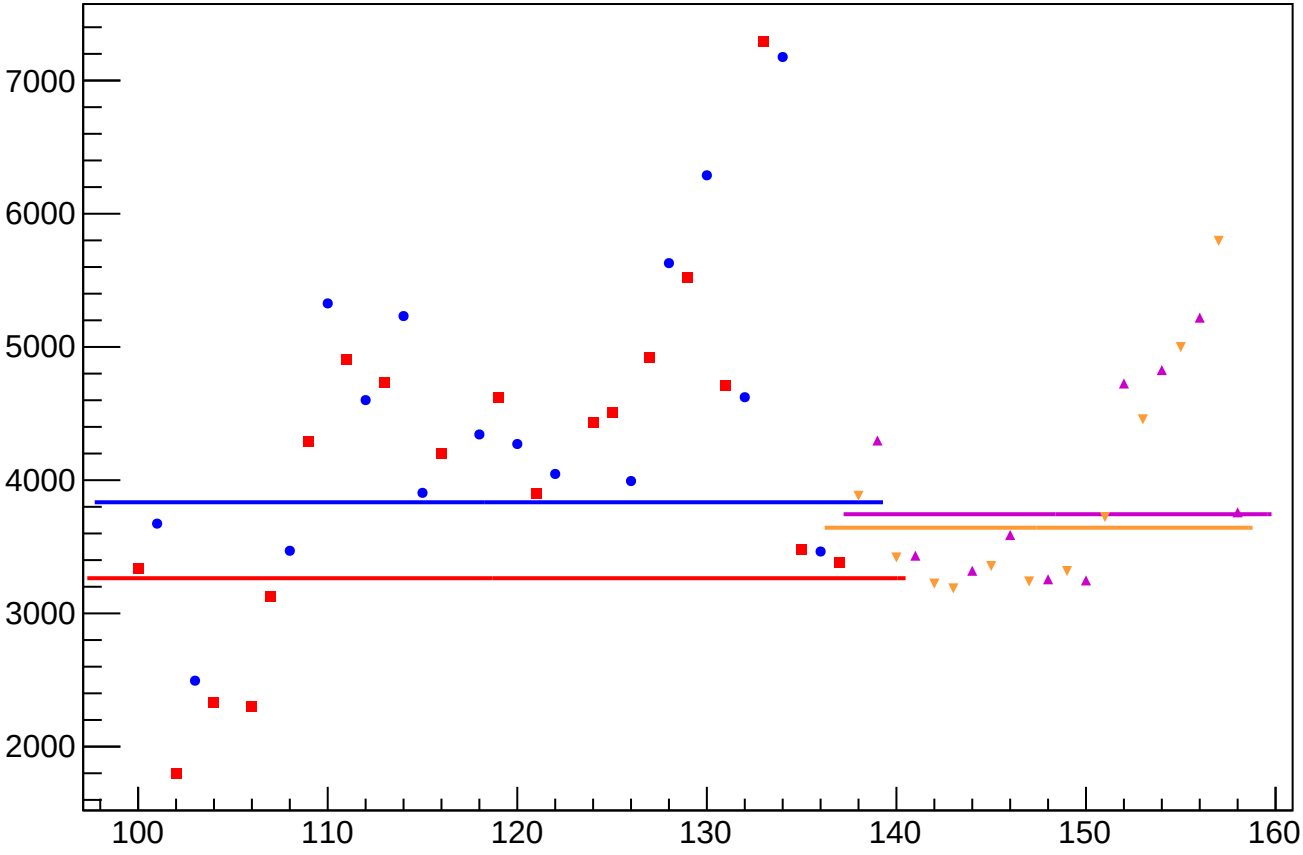
Left In: 599.390+/-1288.006 χ^2/NDF:5.2/9

+ sign -788.797+/-960.694 χ^2/NDF: 23.5/26

All: -440.552+/-663.506 χ^2/NDF: 45.2/55

- sign -122.935+/-917.477 χ^2/NDF: 21.5/28

asym_atr_dd_reg_correction_rms vs Slug



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 3643.113+/-0.893 χ^2/NDF:513455.8/10

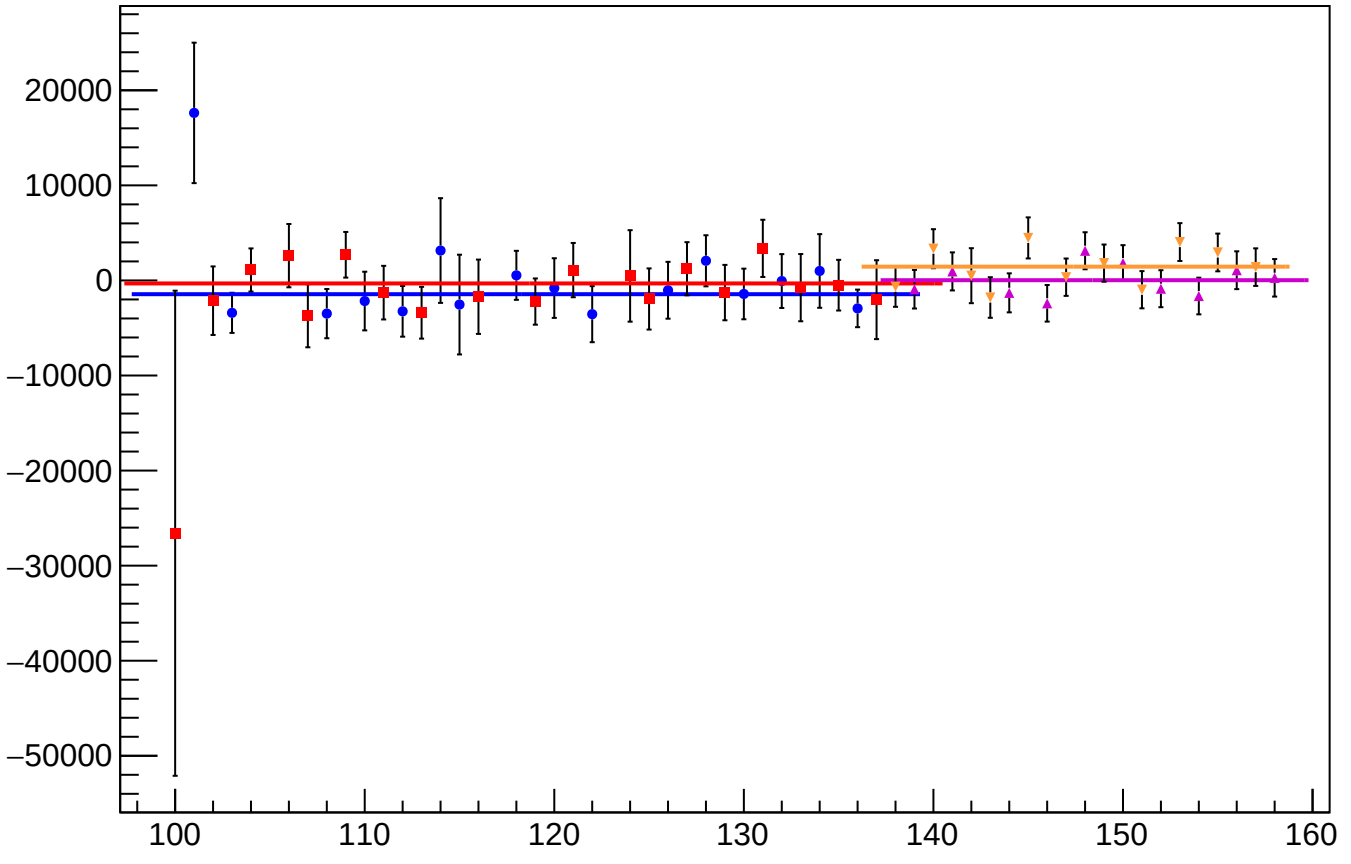
Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

Left In: 3744.563+/-0.911 χ^2/NDF:447215.8/9

+ sign 3723.693+/-0.679 χ^2/NDF: 1489521.5/26

All: 3610.831+/-0.469 χ^2/NDF: 3990841.2/55

- sign 3507.894+/-0.649 χ^2/NDF: 2448540.9/28



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1448.923+/-625.300 χ^2/NDF:10.4/10

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

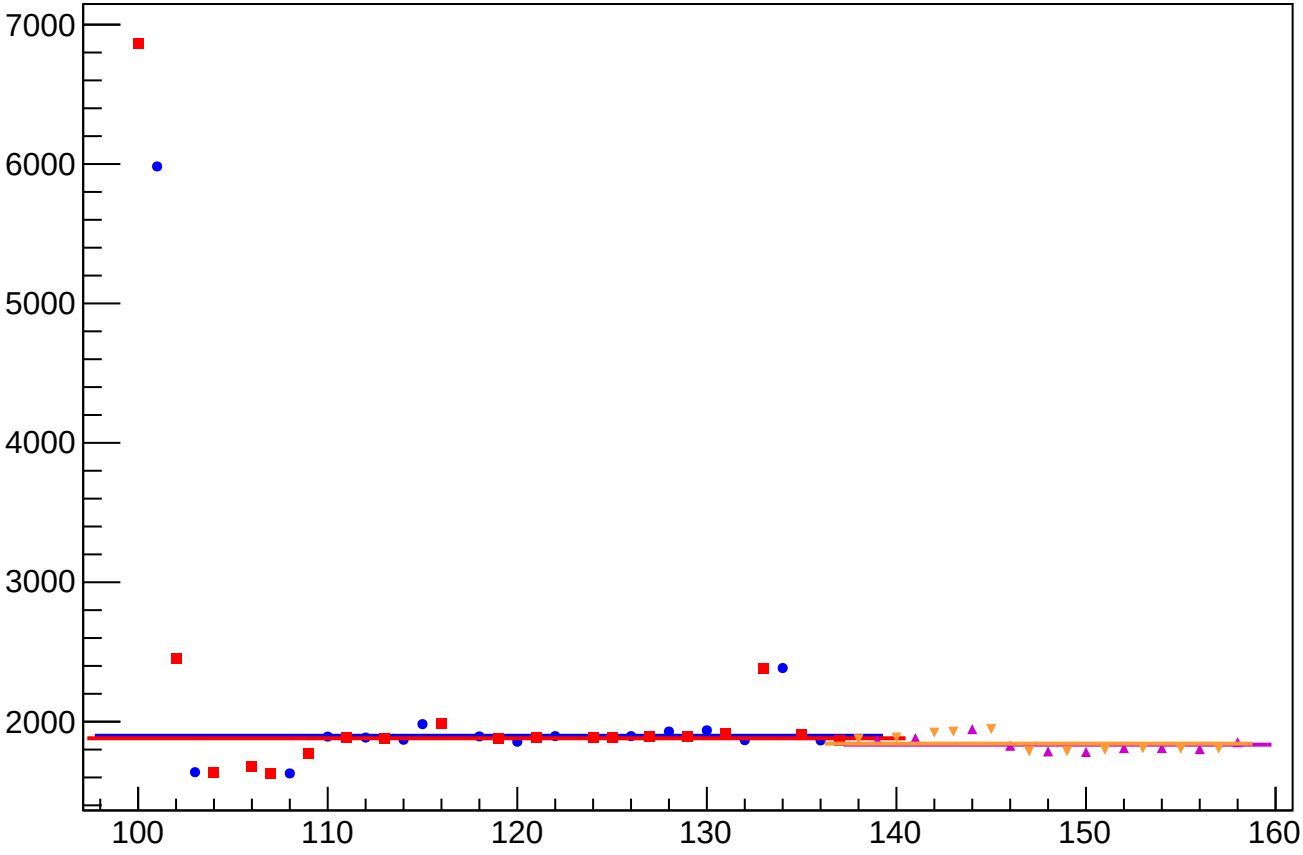
Left In: 24.164+/-621.525 χ^2/NDF:7.1/9

+ sign 210.011+/-472.992 χ^2/NDF: 33.0/26

All: 40.098+/-331.888 χ^2/NDF: 50.4/55

- sign -124.695+/-465.811 χ^2/NDF: 17.2/28

cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1842.618+/-0.442 χ^2/NDF:16812.2/10

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

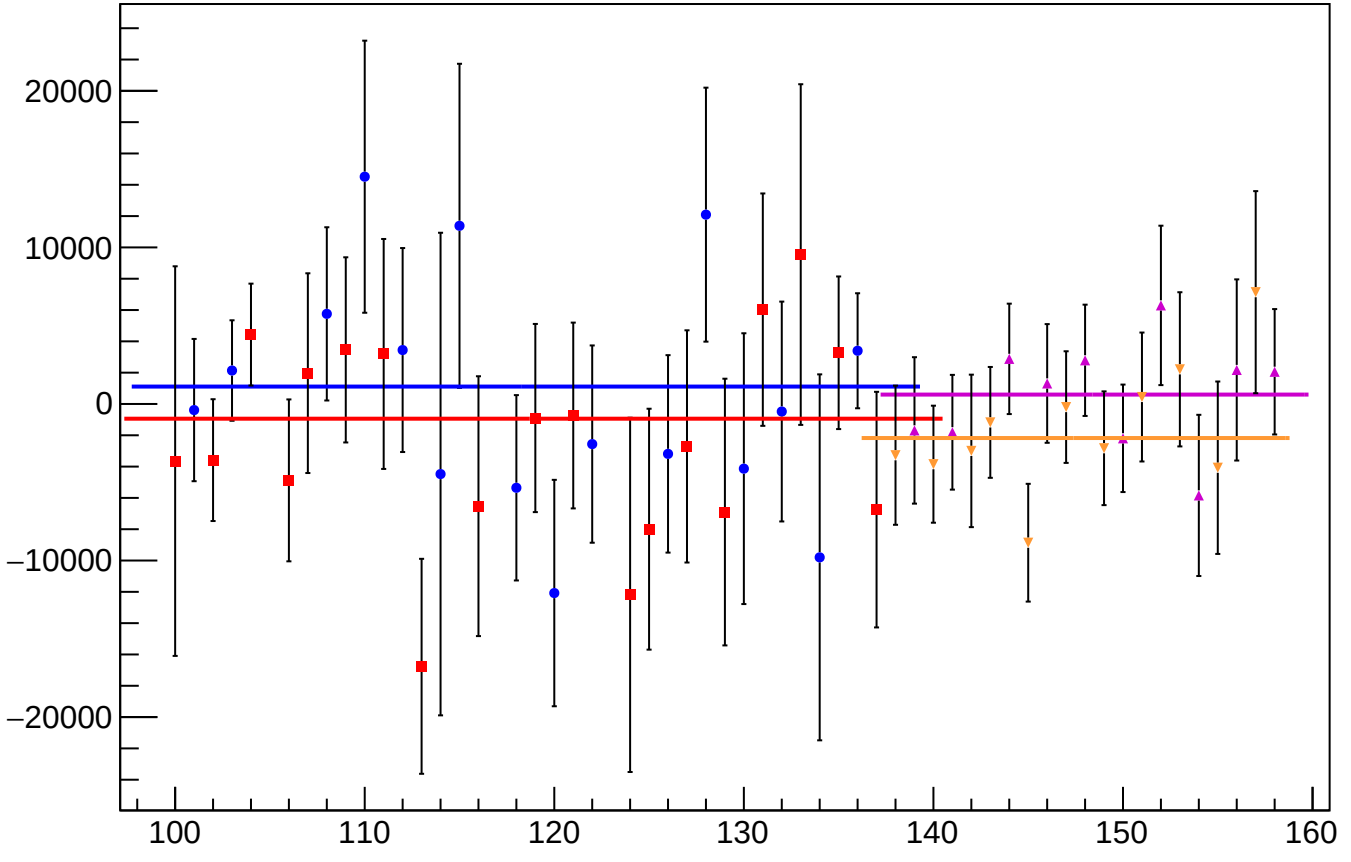
Left In: 1835.263+/-0.439 χ^2/NDF:11665.2/9

+ sign 1866.665+/-0.334 χ^2/NDF: 721240.3/26

All: 1860.916+/-0.235 χ^2/NDF: 954808.2/55

- sign 1855.347+/-0.329 χ^2/NDF: 232986.2/28

asym_atr_dd_cor_correction_mean vs Slug



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -2175.758+/-1263.385 χ^2/NDF:7.3/10

Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

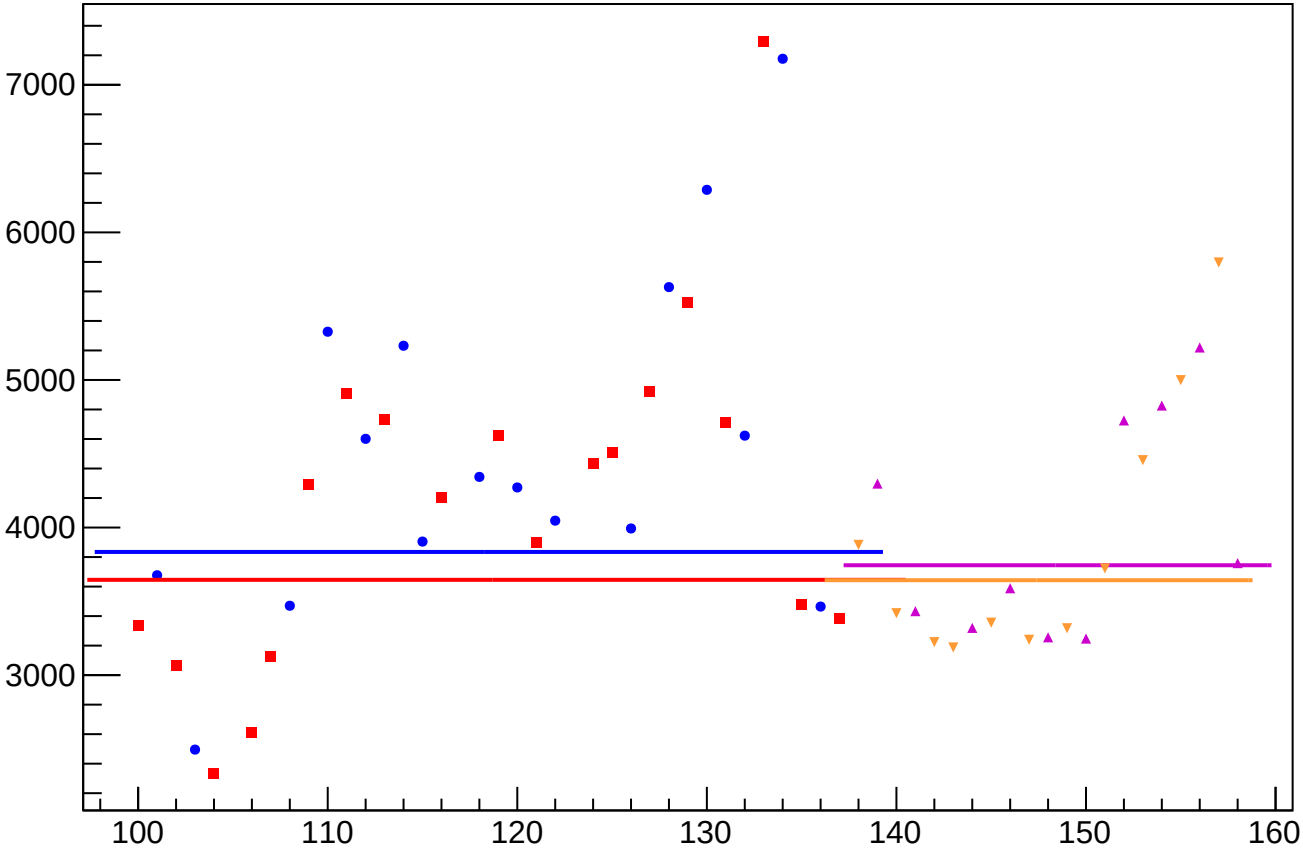
Left In: 599.527+/-1288.004 χ^2/NDF:5.2/9

\+ sign -789.456+/-960.742 χ^2/NDF: 23.5/26

All: -443.558+/-674.641 χ^2/NDF: 45.8/55

\- sign -107.080+/-947.568 χ^2/NDF: 22.0/28

asym_atr_dd_cor_correction_rms vs Slug



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3643.112+/-0.893 χ^2/NDF:513456.9/10

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

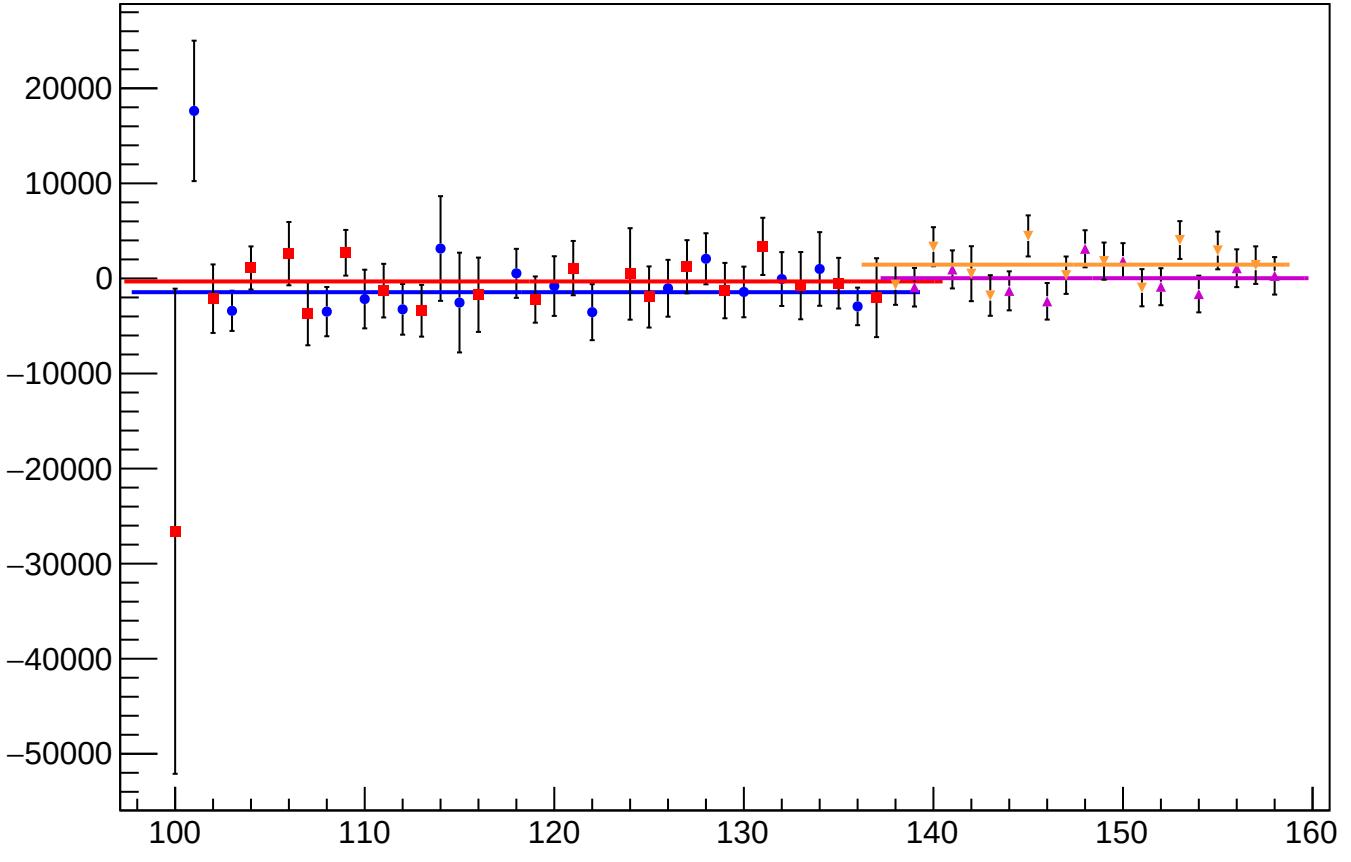
Left In: 3744.556+/-0.911 χ^2/NDF:447225.5/9

+ sign 3723.903+/-0.679 χ^2/NDF: 1489163.2/26

All: 3711.381+/-0.477 χ^2/NDF: 3067446.5/55

- sign 3699.200+/-0.670 χ^2/NDF: 1577613.1/28

eigen_cor_asym_atr_dd_mean vs Slug



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1448.923+/-625.300 χ^2/NDF:10.4/10

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

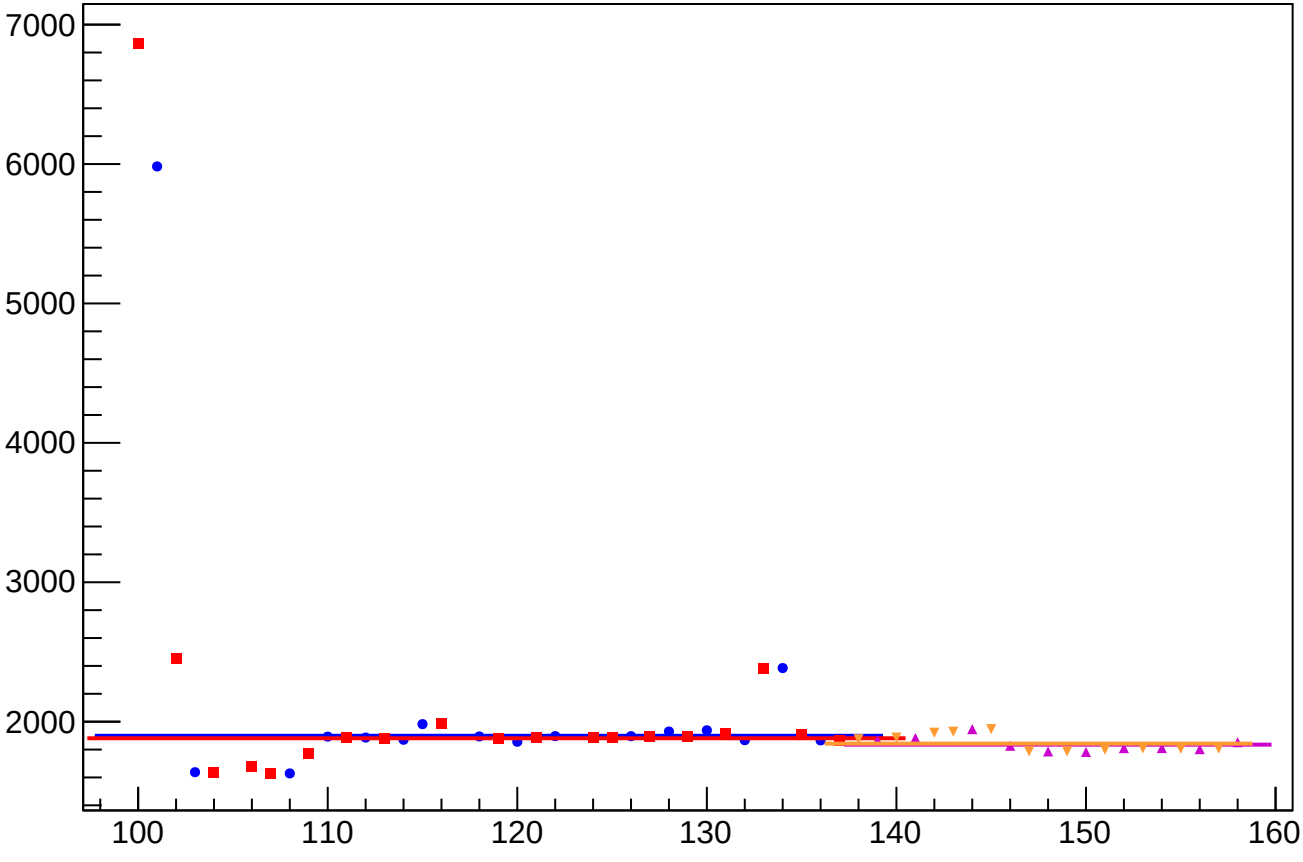
Left In: 24.164+/-621.525 χ^2/NDF:7.1/9

+ sign 210.011+/-472.992 χ^2/NDF: 33.0/26

All: 40.098+/-331.888 χ^2/NDF: 50.4/55

- sign -124.695+/-465.811 χ^2/NDF: 17.2/28

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1842.618+/-0.442 χ^2/NDF:16812.2/10

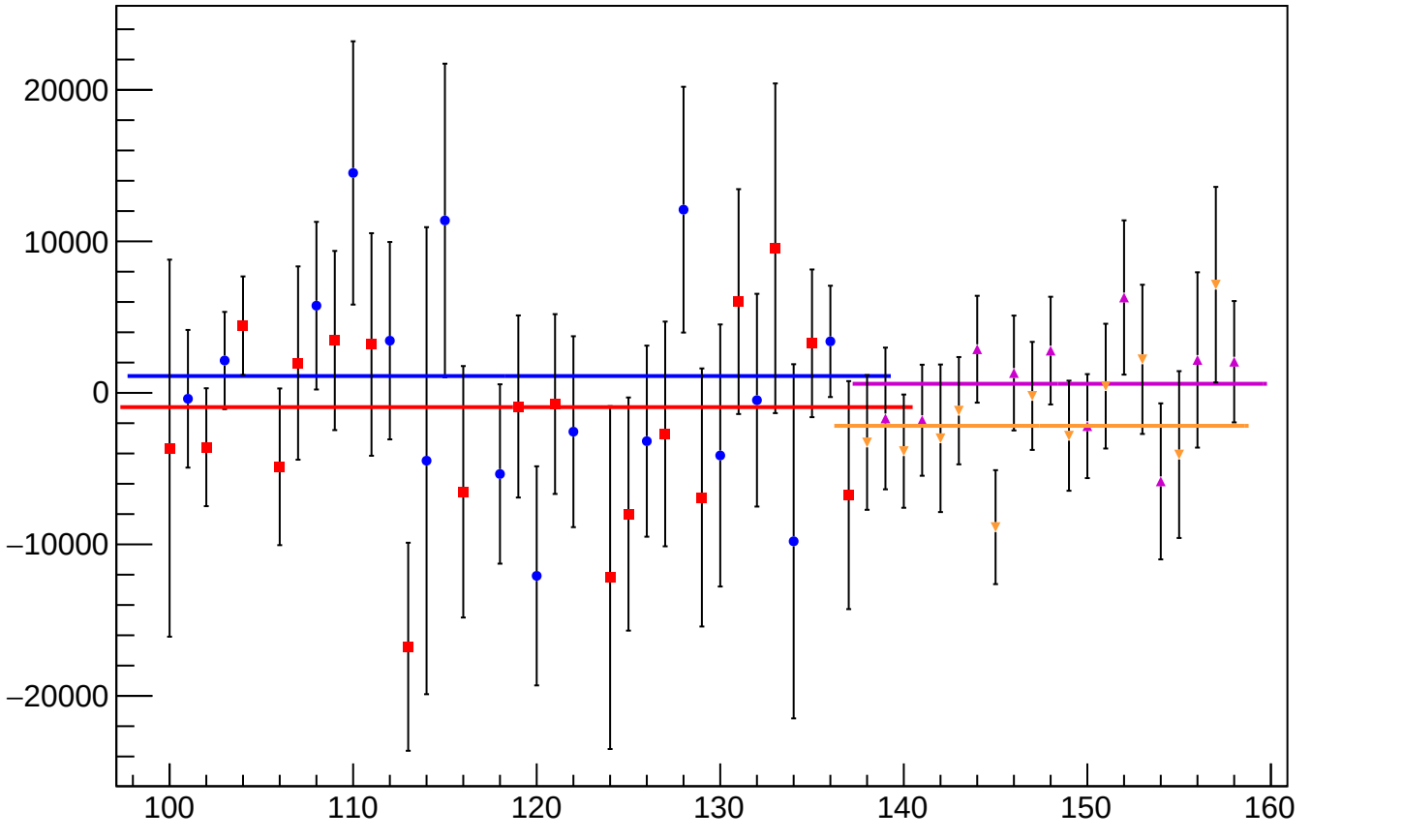
Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1835.263+/-0.439 χ^2/NDF:11665.2/9

+ sign 1866.665+/-0.334 χ^2/NDF: 721240.3/26

All: 1860.916+/-0.235 χ^2/NDF: 954808.2/55

- sign 1855.347+/-0.329 χ^2/NDF: 232986.2/28



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -2175.758+/-1263.385 χ^2/NDF:7.3/10

Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

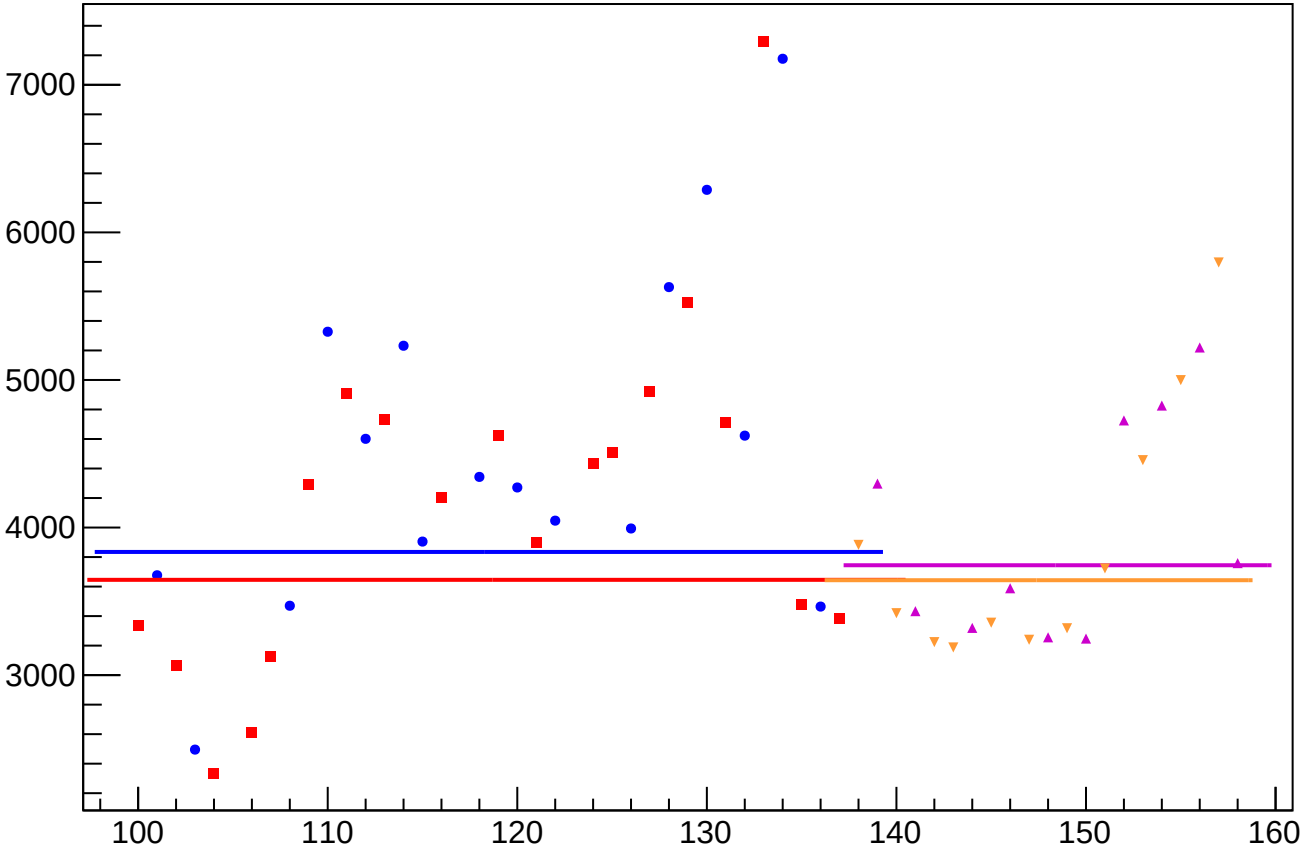
Left In: 599.527+/-1288.004 χ^2/NDF:5.2/9

+ sign -789.456+/-960.742 χ^2/NDF: 23.5/26

All: -443.558+/-674.641 χ^2/NDF: 45.8/55

- sign -107.080+/-947.568 χ^2/NDF: 22.0/28

asym_atr_dd_eigen_cor_correction_rms vs Slug



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3643.112+/-0.893 χ^2/NDF:513456.9/10

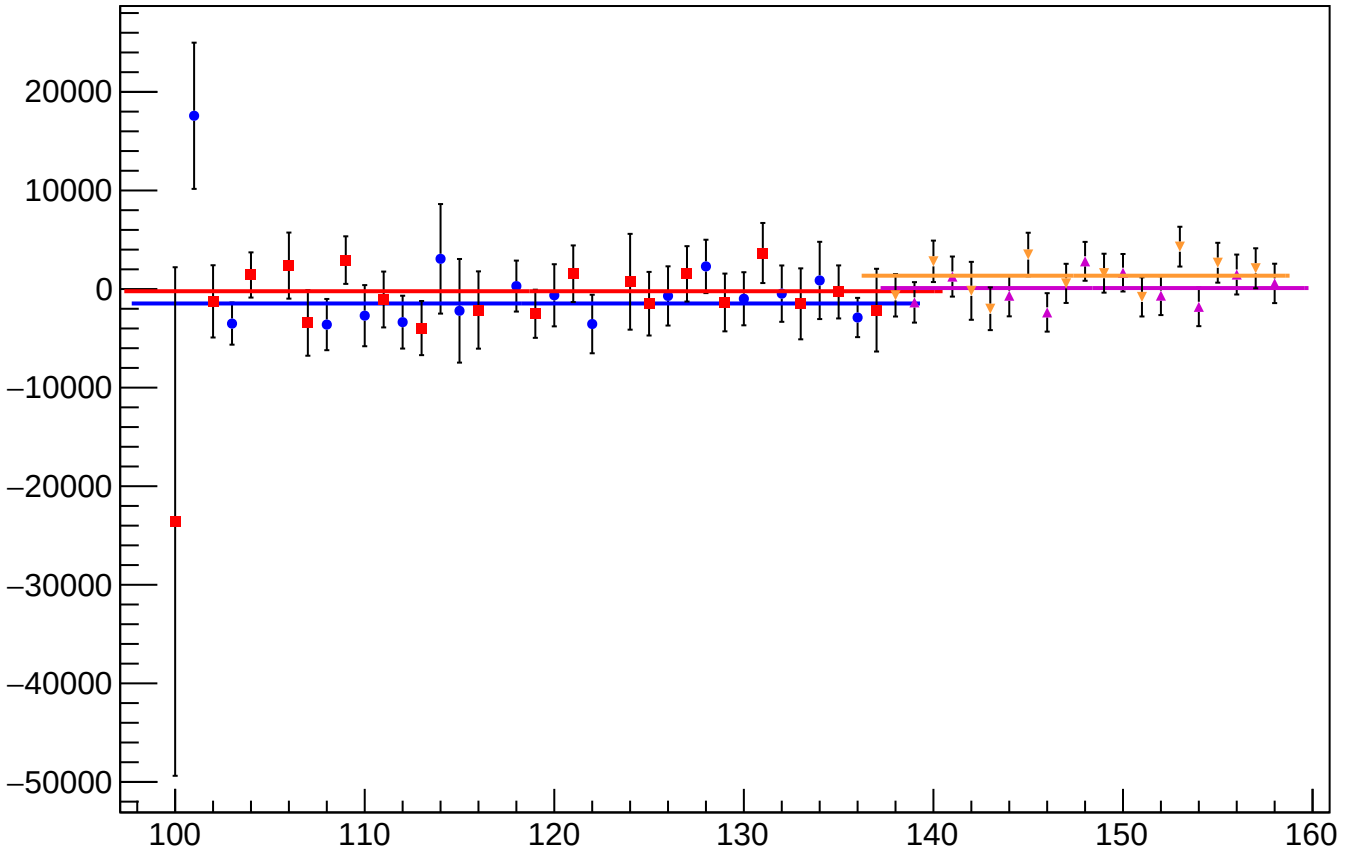
Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 3744.556+/-0.911 χ^2/NDF:447225.5/9

+ sign 3723.903+/-0.679 χ^2/NDF: 1489163.2/26

All: 3711.381+/-0.477 χ^2/NDF: 3067446.5/55

- sign 3699.200+/-0.670 χ^2/NDF: 1577613.1/28



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 1354.806+/-635.826 χ^2/NDF:9.0/10

Right Out: -219.726+/-708.852 χ^2/NDF: 10.8/18

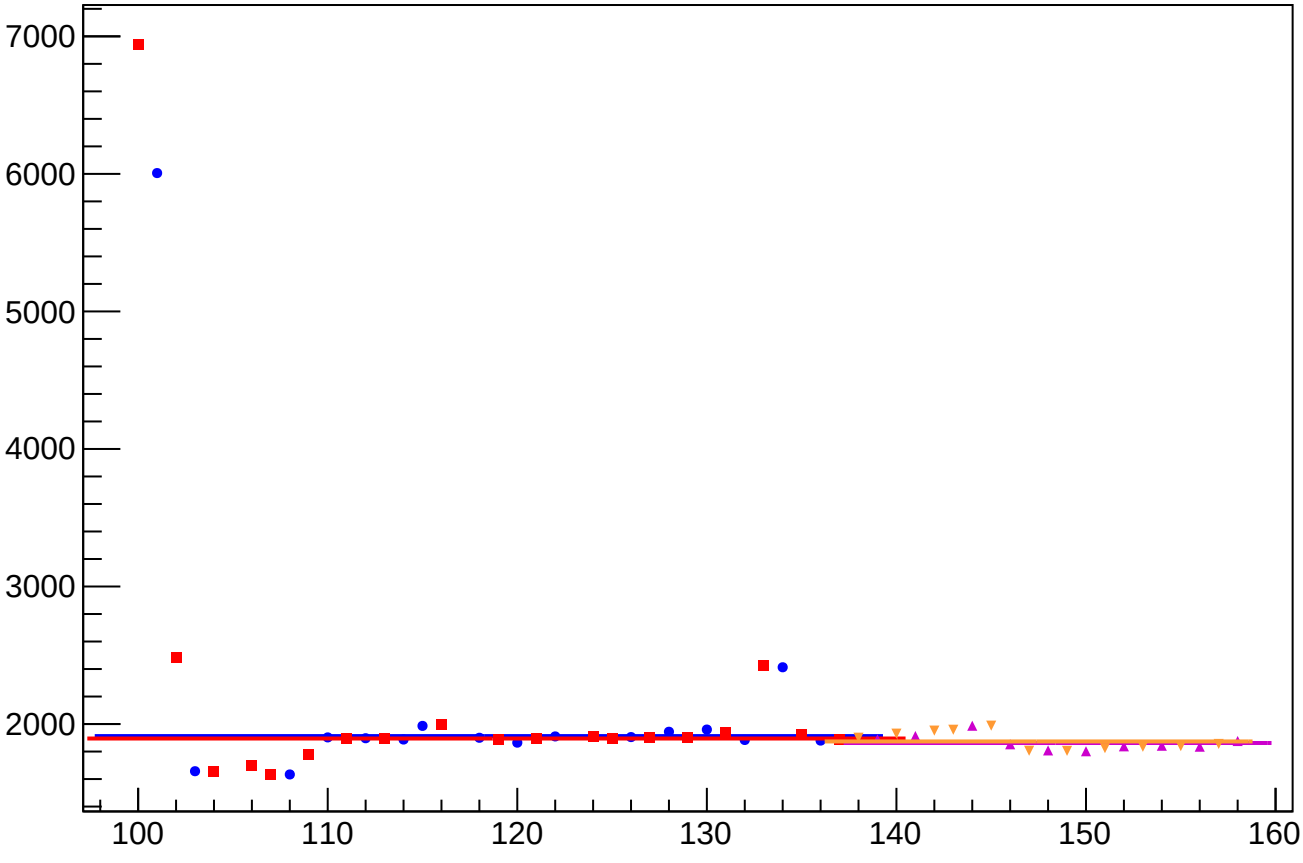
Left In: 101.248+/-630.691 χ^2/NDF:6.7/9

+ sign 136.156+/-478.968 χ^2/NDF: 31.0/26

All: 46.343+/-335.896 χ^2/NDF: 48.8/55

- sign -40.574+/-471.186 χ^2/NDF: 17.6/28

dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1873.472+/-0.450 χ^2/NDF:19099.9/10

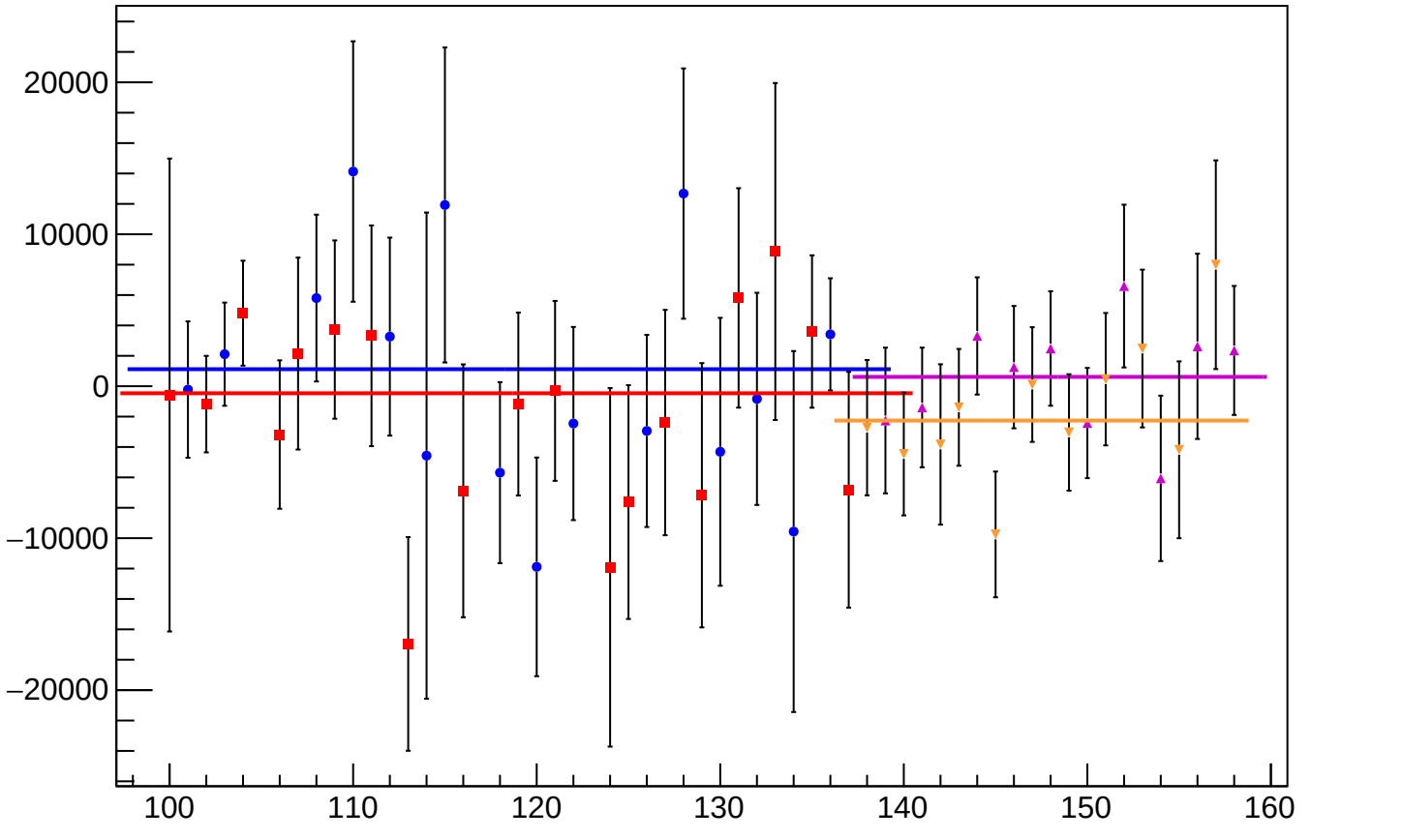
Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1862.227+/-0.446 χ^2/NDF:13255.3/9

+ sign 1890.301+/-0.339 χ^2/NDF: 718559.1/26

All: 1883.346+/-0.237 χ^2/NDF: 954780.1/55

- sign 1876.621+/-0.333 χ^2/NDF: 235391.6/28



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

Left Out: -2260.323+/-1345.327 χ^2/NDF:7.7/10

Right Out: -464.368+/-1370.818 χ^2/NDF: 15.0/18

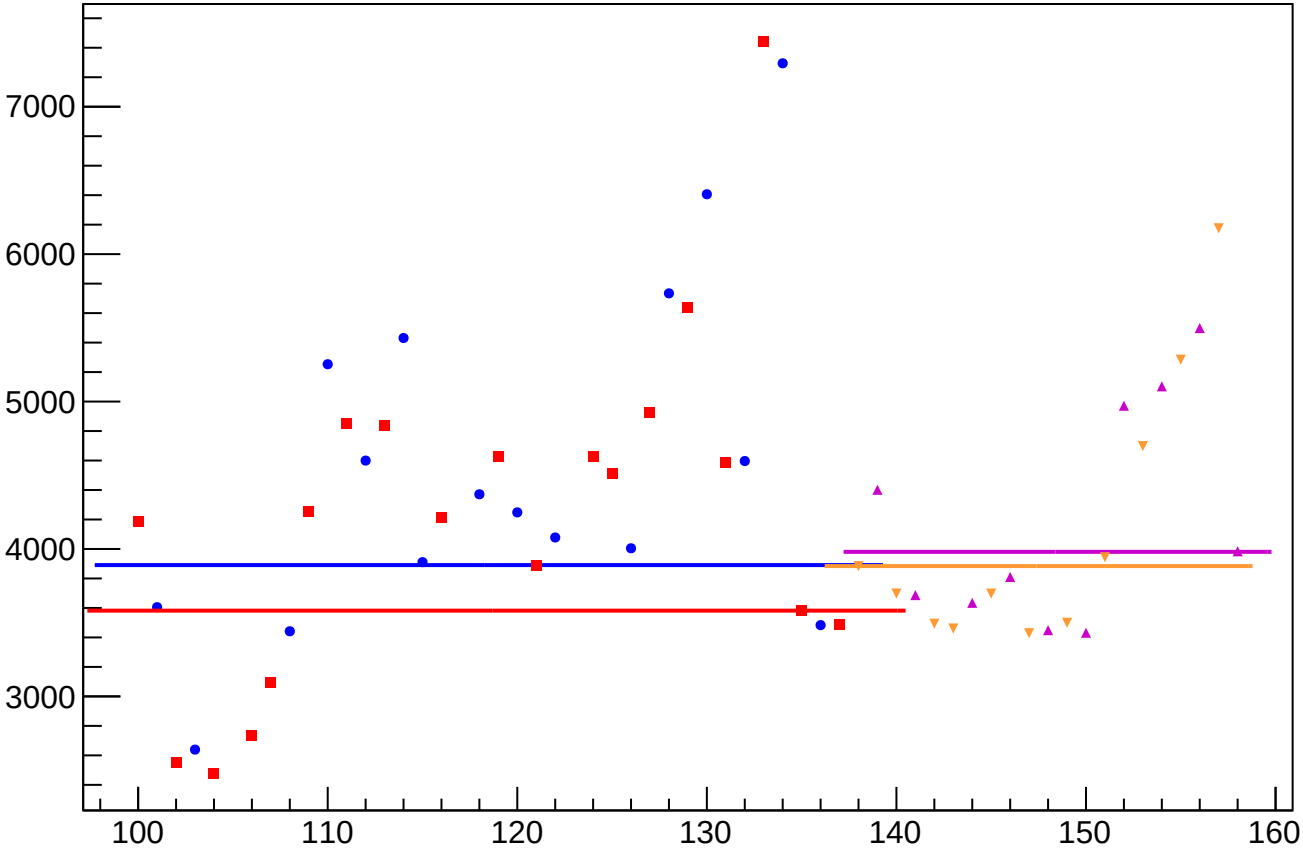
Left In: 614.317+/-1367.807 χ^2/NDF:5.1/9

+ sign -750.702+/-1000.829 χ^2/NDF: 24.0/26

All: -323.593+/-695.888 χ^2/NDF: 44.8/55

- sign 76.161+/-968.248 χ^2/NDF: 20.4/28

asym_atr_dd_dit_correction_rms vs Slug



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 3884.011+/-0.951 χ^2/NDF:480823.8/10

Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

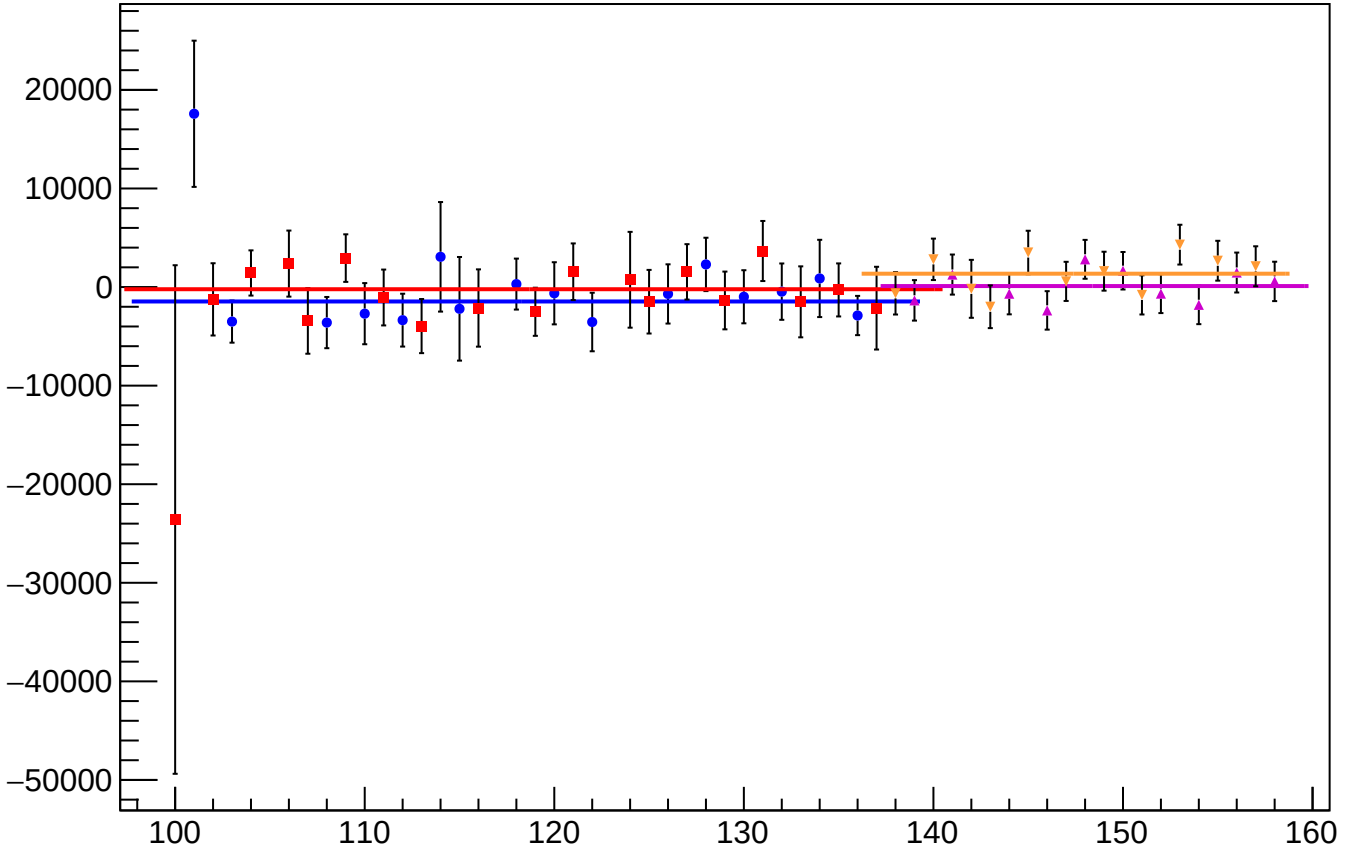
Left In: 3980.607+/-0.967 χ^2/NDF:409405.7/9

+ sign 3887.001+/-0.708 χ^2/NDF: 1359264.1/26

All: 3832.574+/-0.492 χ^2/NDF: 3086808.7/55

- sign 3781.632+/-0.685 χ^2/NDF: 1716093.6/28

eigen_dit_asym_atr_dd_mean vs Slug



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 1354.811+/-635.826 χ^2/NDF:9.0/10

Right Out: -219.720+/-708.852 χ^2/NDF: 10.8/18

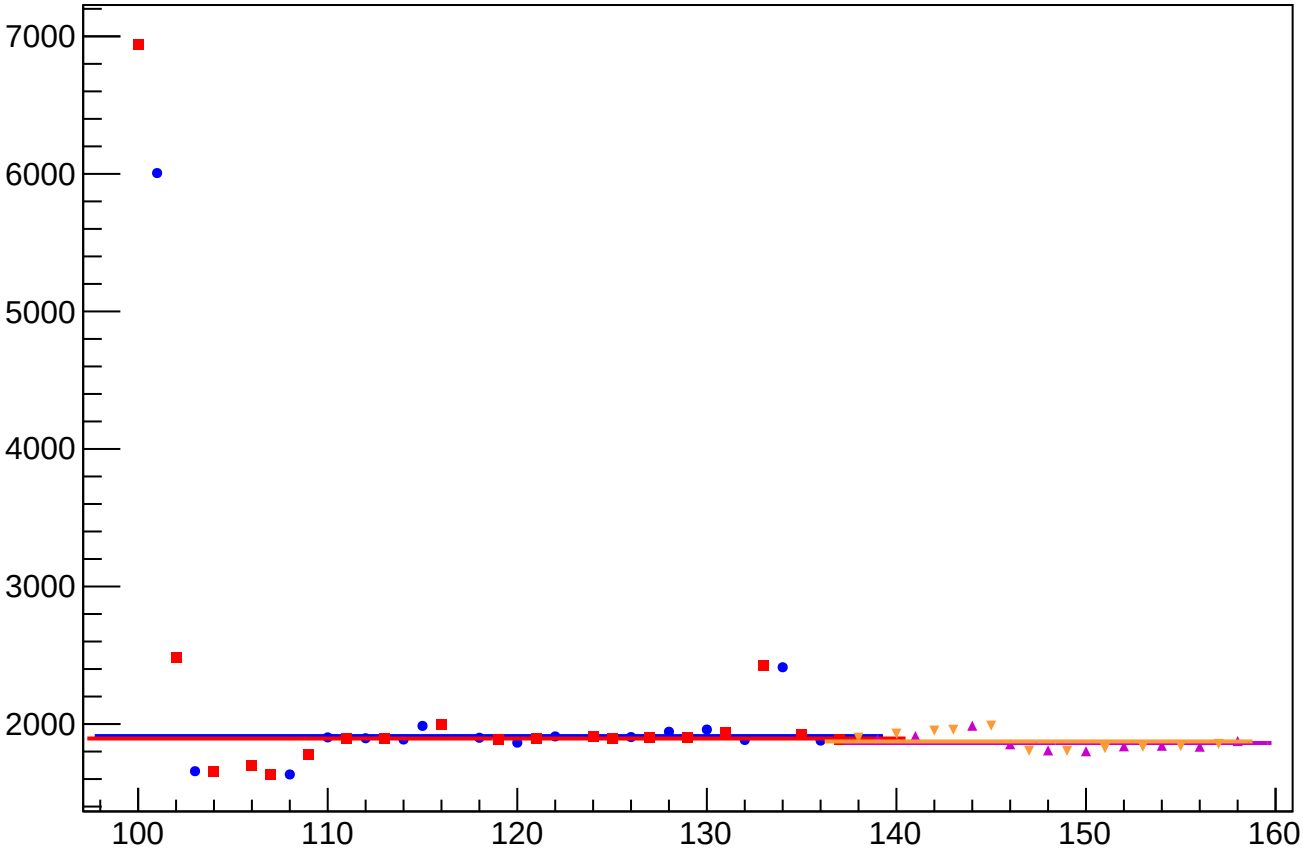
Left In: 101.246+/-630.691 χ^2/NDF:6.7/9

+ sign 136.155+/-478.968 χ^2/NDF: 31.0/26

All: 46.344+/-335.897 χ^2/NDF: 48.8/55

- sign -40.573+/-471.186 χ^2/NDF: 17.6/28

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1873.473+/-0.450 χ^2/NDF:19100.0/10

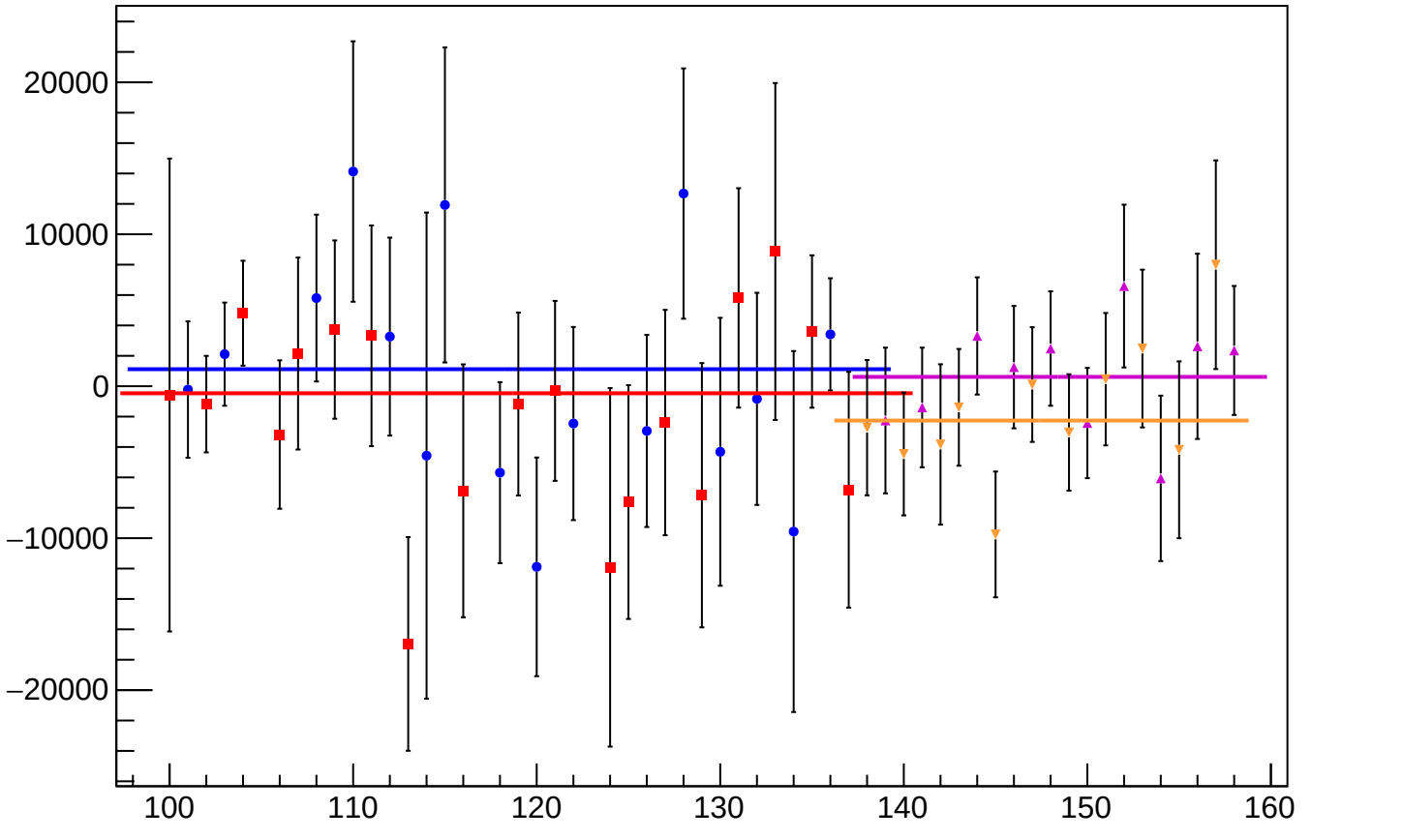
Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1862.228+/-0.446 χ^2/NDF:13255.2/9

+ sign 1890.301+/-0.339 χ^2/NDF: 718559.0/26

All: 1883.346+/-0.237 χ^2/NDF: 954779.8/55

- sign 1876.621+/-0.333 χ^2/NDF: 235391.4/28



Right In: 1120.159+/-1497.669 χ^2/NDF: 13.5/15

Left Out: -2260.321+/-1345.329 χ^2/NDF:7.7/10

Right Out: -464.367+/-1370.817 χ^2/NDF: 15.0/18

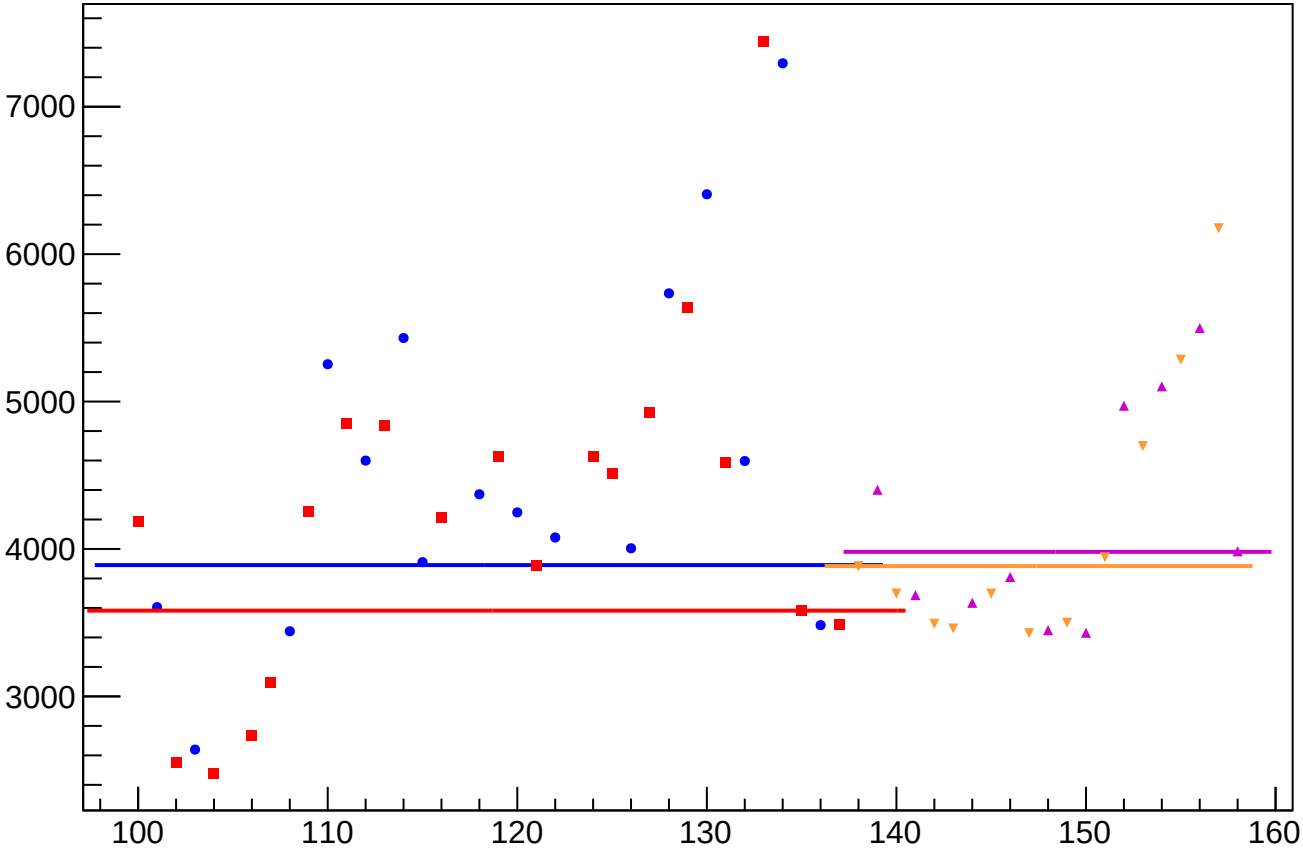
Left In: 614.315+/-1367.808 χ^2/NDF:5.1/9

+ sign -750.703+/-1000.830 χ^2/NDF: 24.0/26

All: -323.594+/-695.888 χ^2/NDF: 44.8/55

- sign 76.159+/-968.248 χ^2/NDF: 20.4/28

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 3884.016+/-0.951 χ^2/NDF:480822.3/10

Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

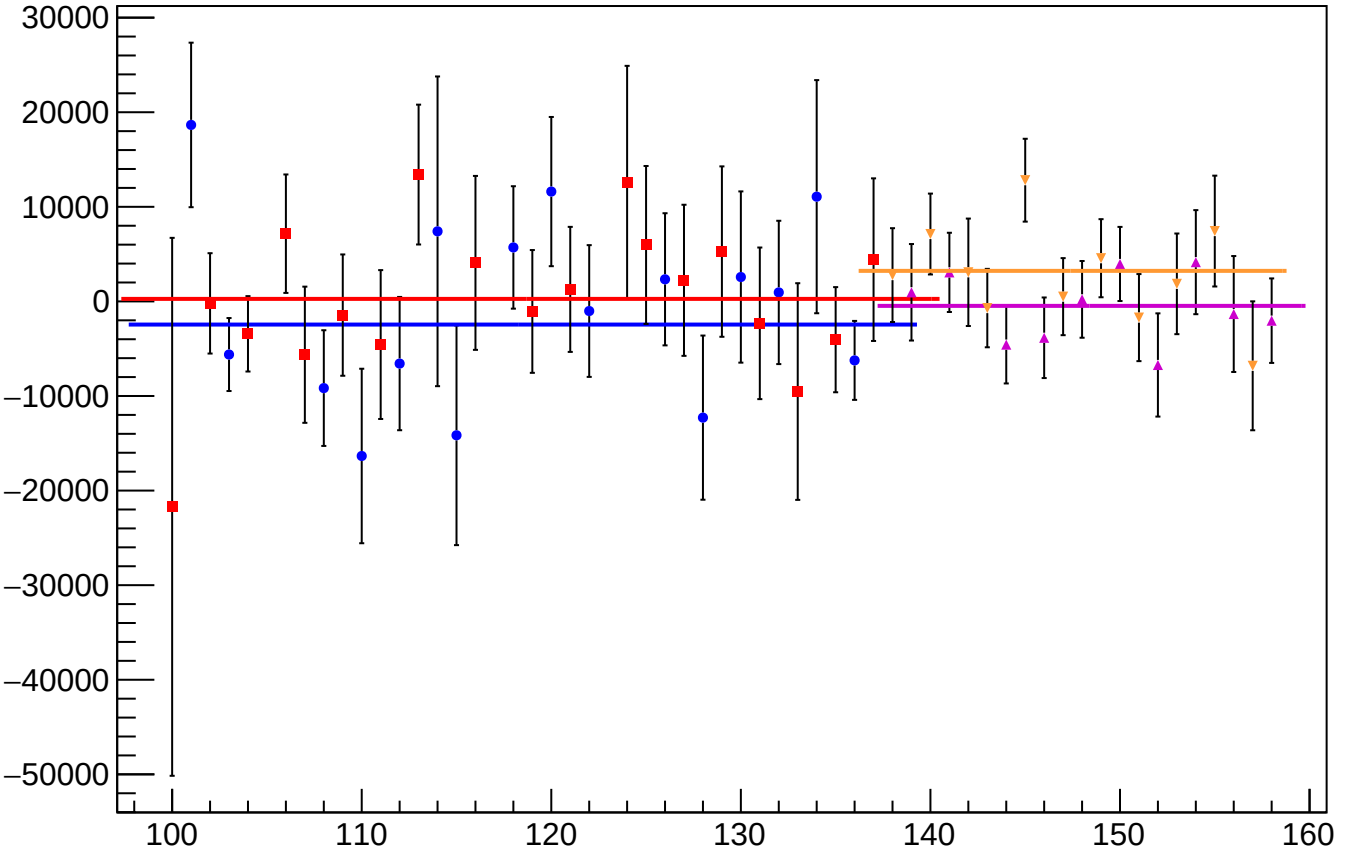
Left In: 3980.612+/-0.967 χ^2/NDF:409404.4/9

+ sign 3887.003+/-0.708 χ^2/NDF: 1359253.6/26

All: 3832.575+/-0.492 χ^2/NDF: 3086792.0/55

- sign 3781.633+/-0.685 χ^2/NDF: 1716087.1/28

asym_atr_dd_mean vs Slug



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

Left Out: 3228.553+/-1430.279 χ^2/NDF:11.0/10

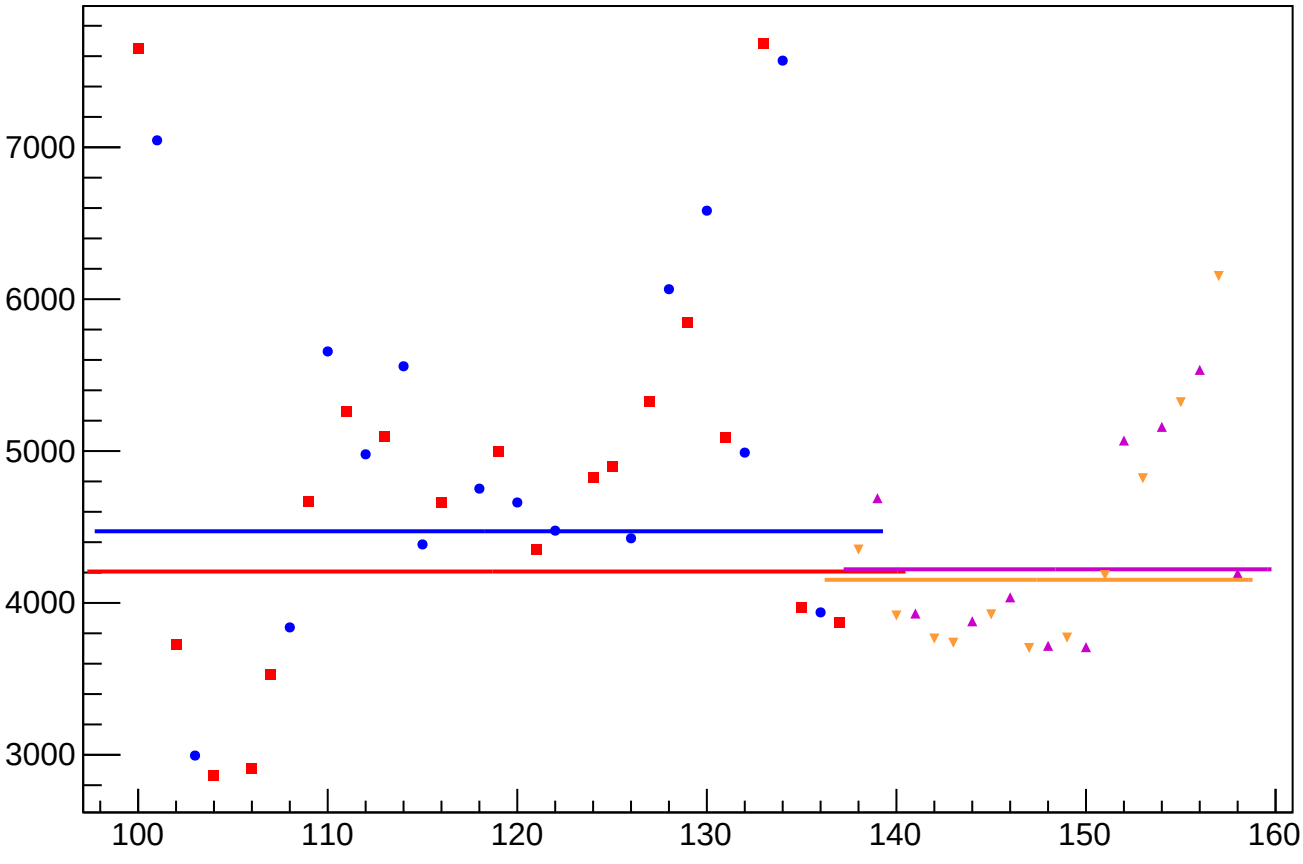
Right Out: 265.886+/-1622.574 χ^2/NDF: 10.7/18

Left In: -471.801+/-1444.612 χ^2/NDF:5.9/9

+ sign 907.358+/-1099.650 χ^2/NDF: 38.3/26

All: 370.867+/-770.147 χ^2/NDF: 55.5/55

- sign -145.615+/-1078.949 χ^2/NDF: 16.7/28



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 4152.377+/-1.011 χ^2/NDF:368807.1/10

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

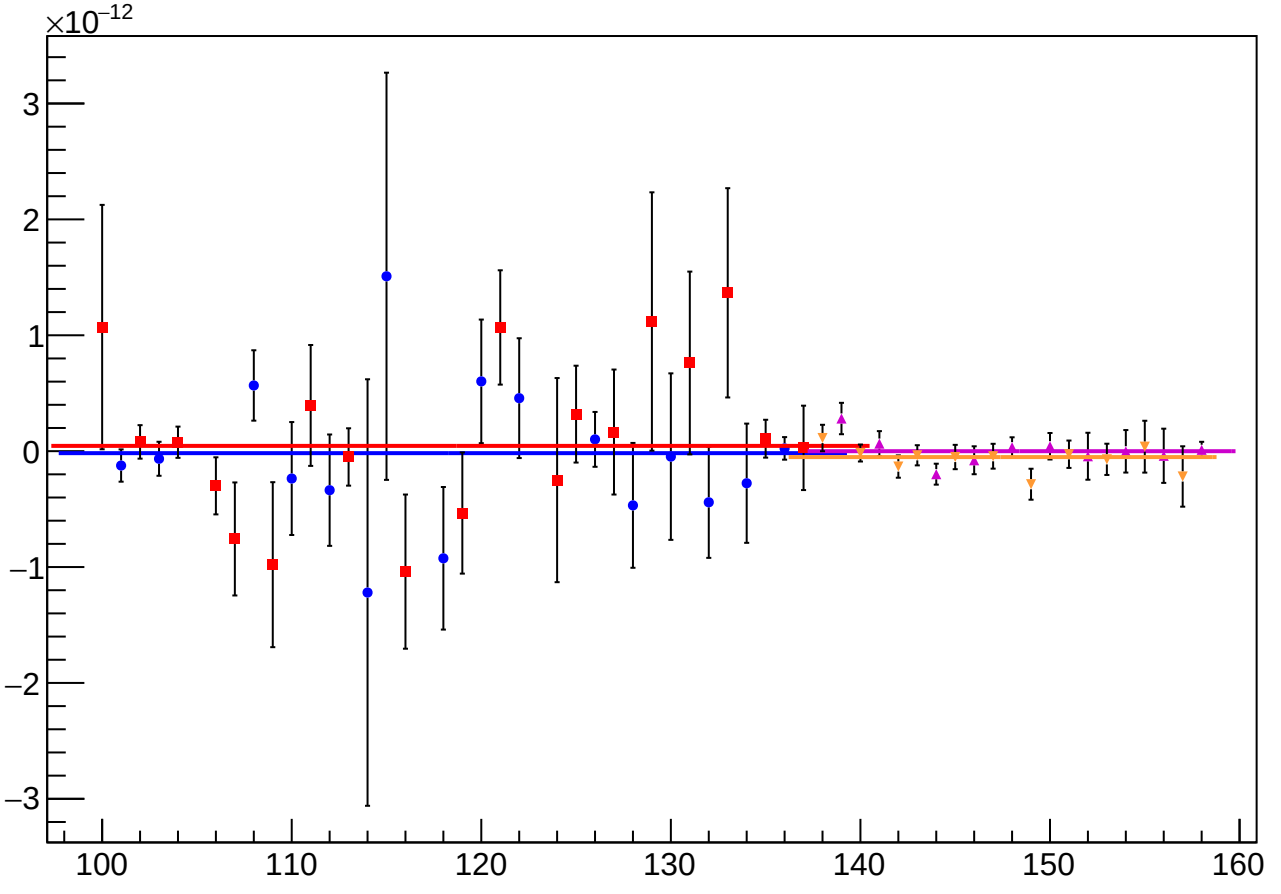
Left In: 4221.505+/-1.021 χ^2/NDF:307503.1/9

+ sign 4283.029+/-0.778 χ^2/NDF: 1301299.8/26

All: 4248.240+/-0.544 χ^2/NDF: 2459334.0/55

- sign 4214.991+/-0.760 χ^2/NDF: 1154119.4/28

asym_atr_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.8/10

Right Out: 0.000+/-0.000 χ^2/NDF: 21.2/18

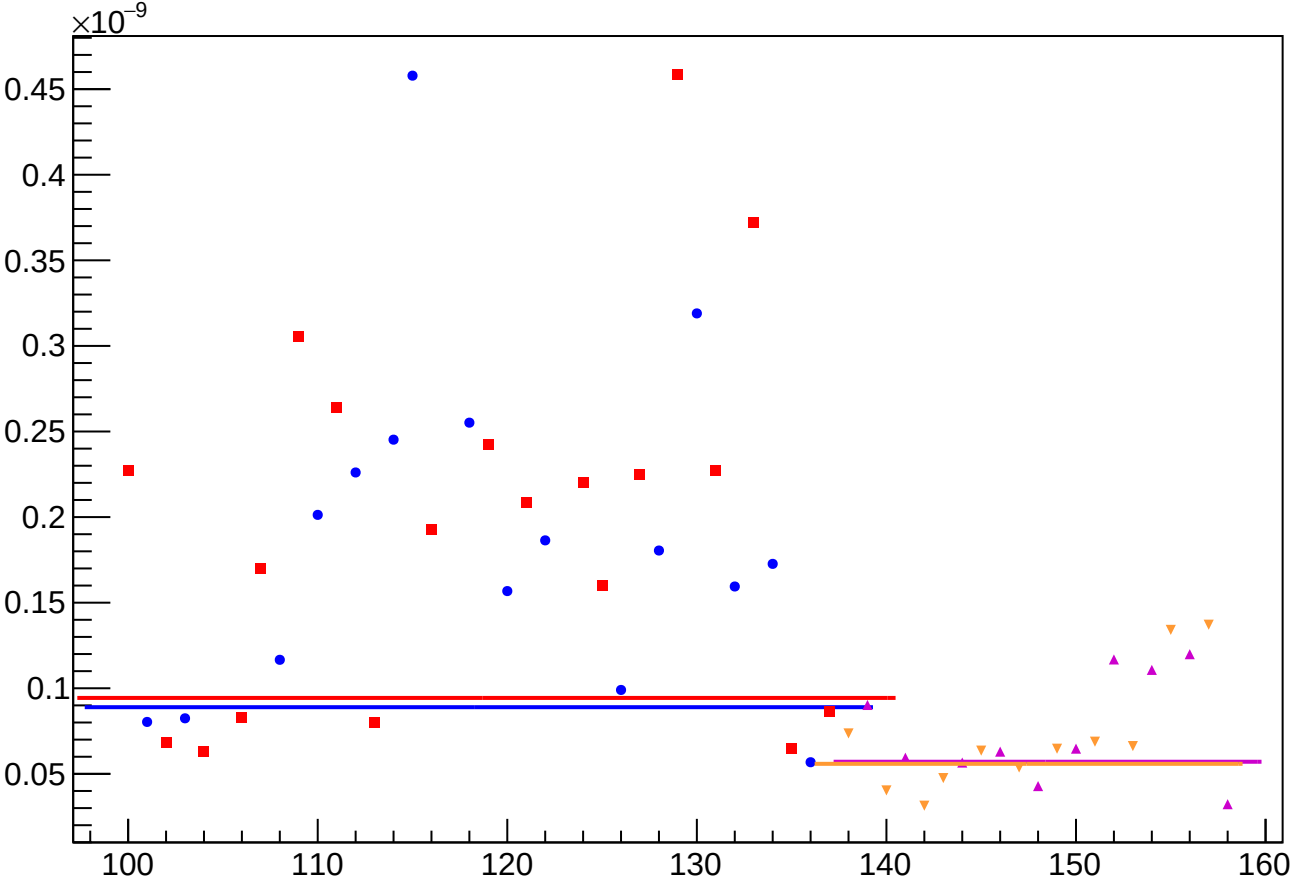
Left In: -0.000+/-0.000 χ^2/NDF:10.3/9

+ sign -0.000+/-0.000 χ^2/NDF: 19.8/26

All: -0.000+/-0.000 χ^2/NDF: 53.2/55

- sign 0.000+/-0.000 χ^2/NDF: 31.9/28

asym_atr_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:780992.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

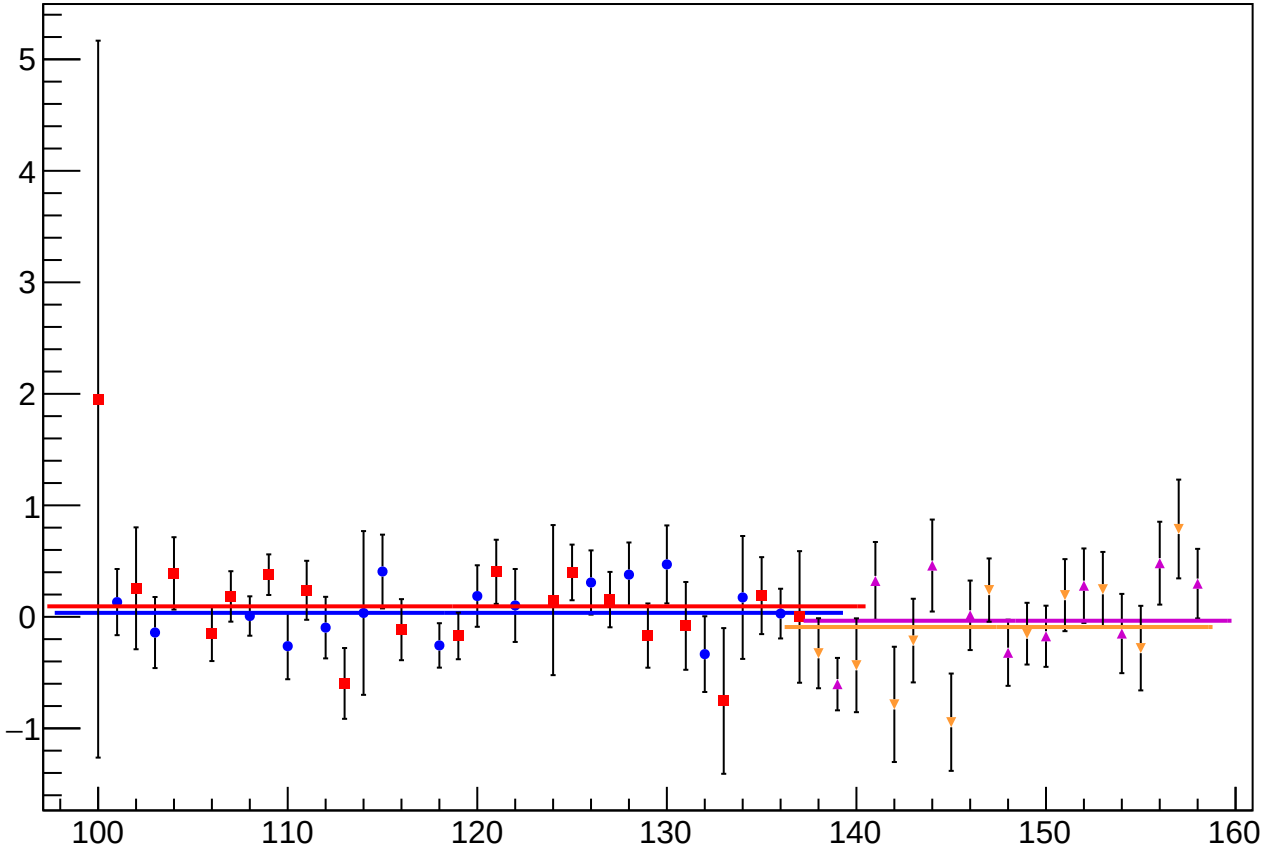
Left In: 0.000+/-0.000 χ^2/NDF:937876.1/9

+ sign 0.000+/-0.000 χ^2/NDF: 2459018.9/26

All: 0.000+/-0.000 χ^2/NDF: 5569624.5/55

- sign 0.000+/-0.000 χ^2/NDF: 3108463.5/28

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.091+/-0.107 χ^2/NDF:14.4/10

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

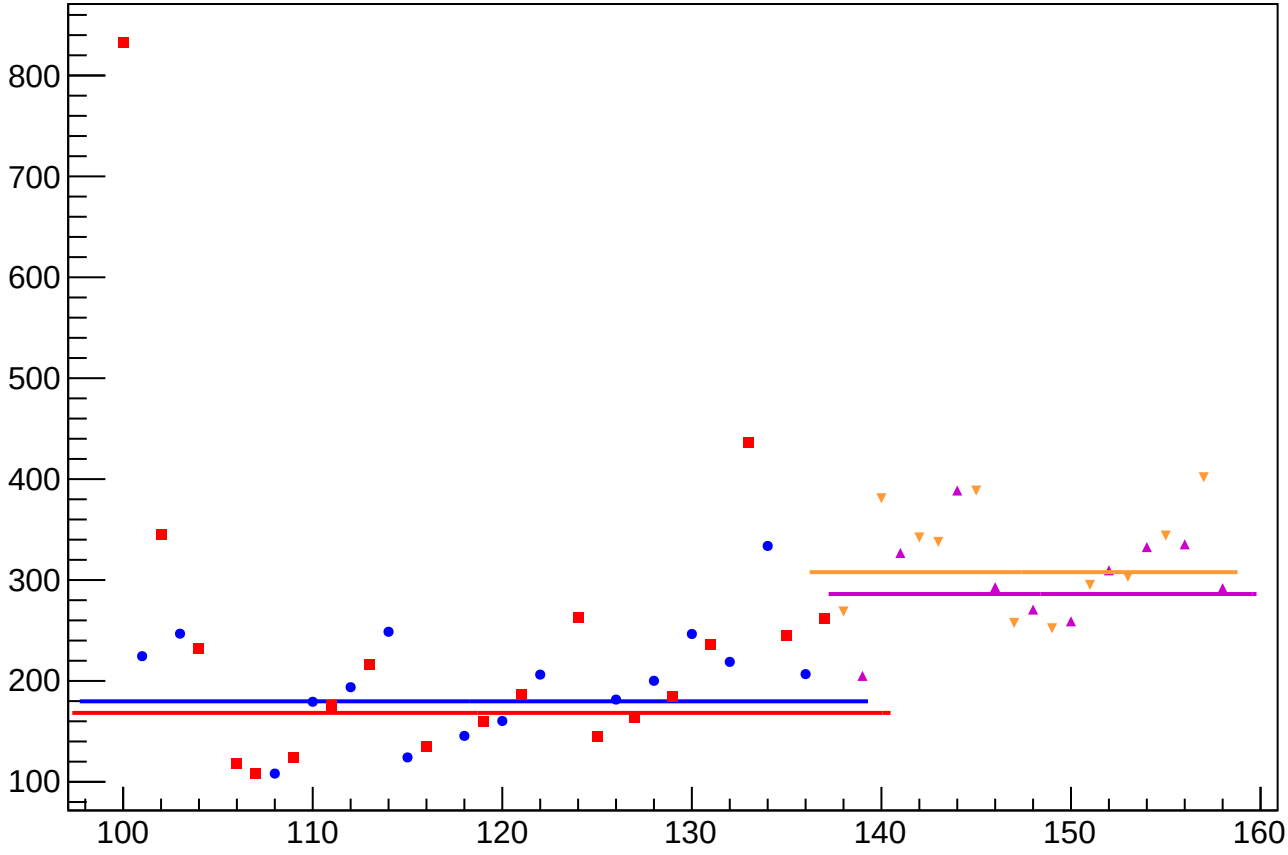
Left In: -0.035+/-0.099 χ^2/NDF:13.6/9

+ sign -0.003+/-0.059 χ^2/NDF: 25.9/26

All: 0.027+/-0.041 χ^2/NDF: 58.7/55

- sign 0.053+/-0.056 χ^2/NDF: 32.4/28

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 307.799+/-0.075 χ^2/NDF:437121.3/10

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

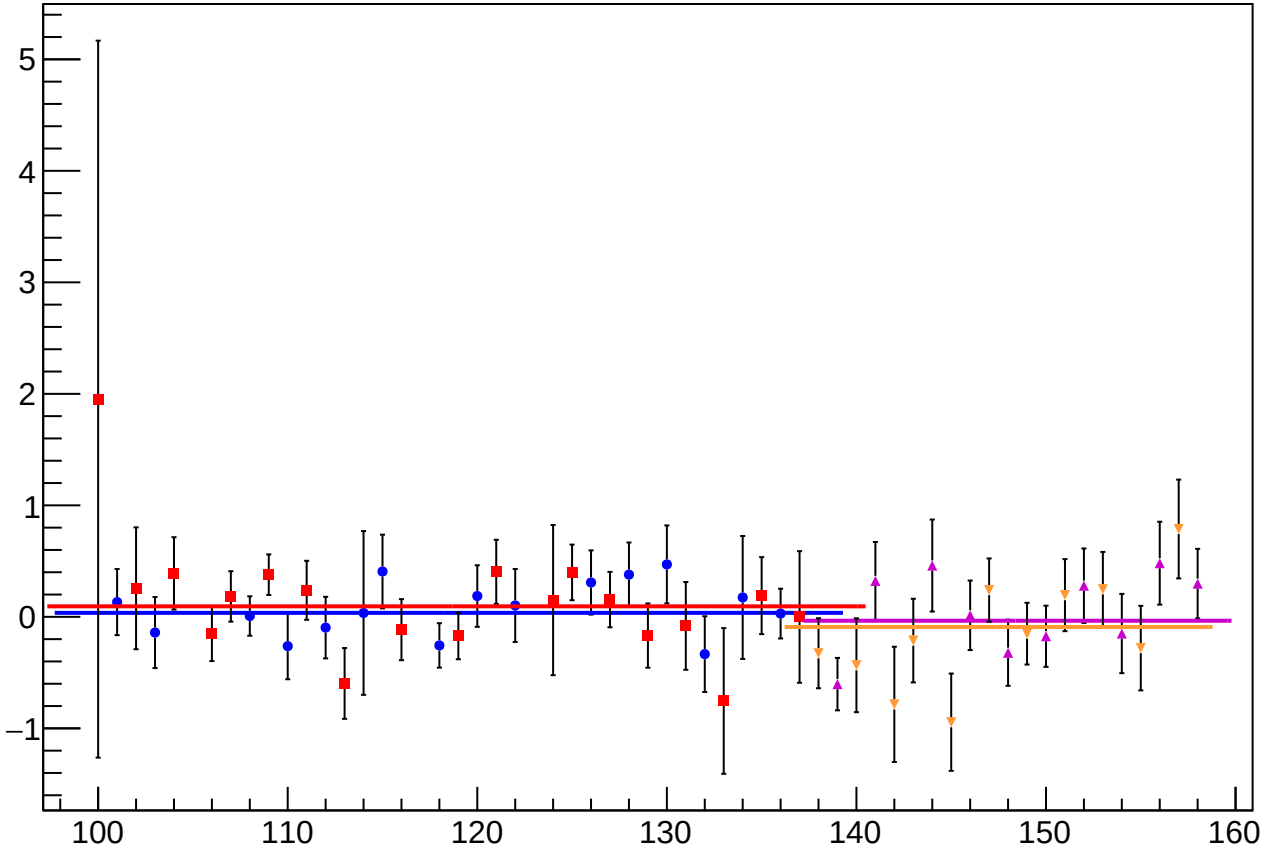
Left In: 286.134+/-0.070 χ^2/NDF:494784.4/9

+ sign 218.778+/-0.042 χ^2/NDF: 3359014.3/26

All: 211.895+/-0.029 χ^2/NDF: 7239061.4/55

- sign 205.689+/-0.040 χ^2/NDF: 3828042.0/28

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.091+/-0.107 χ^2/NDF:14.4/10

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

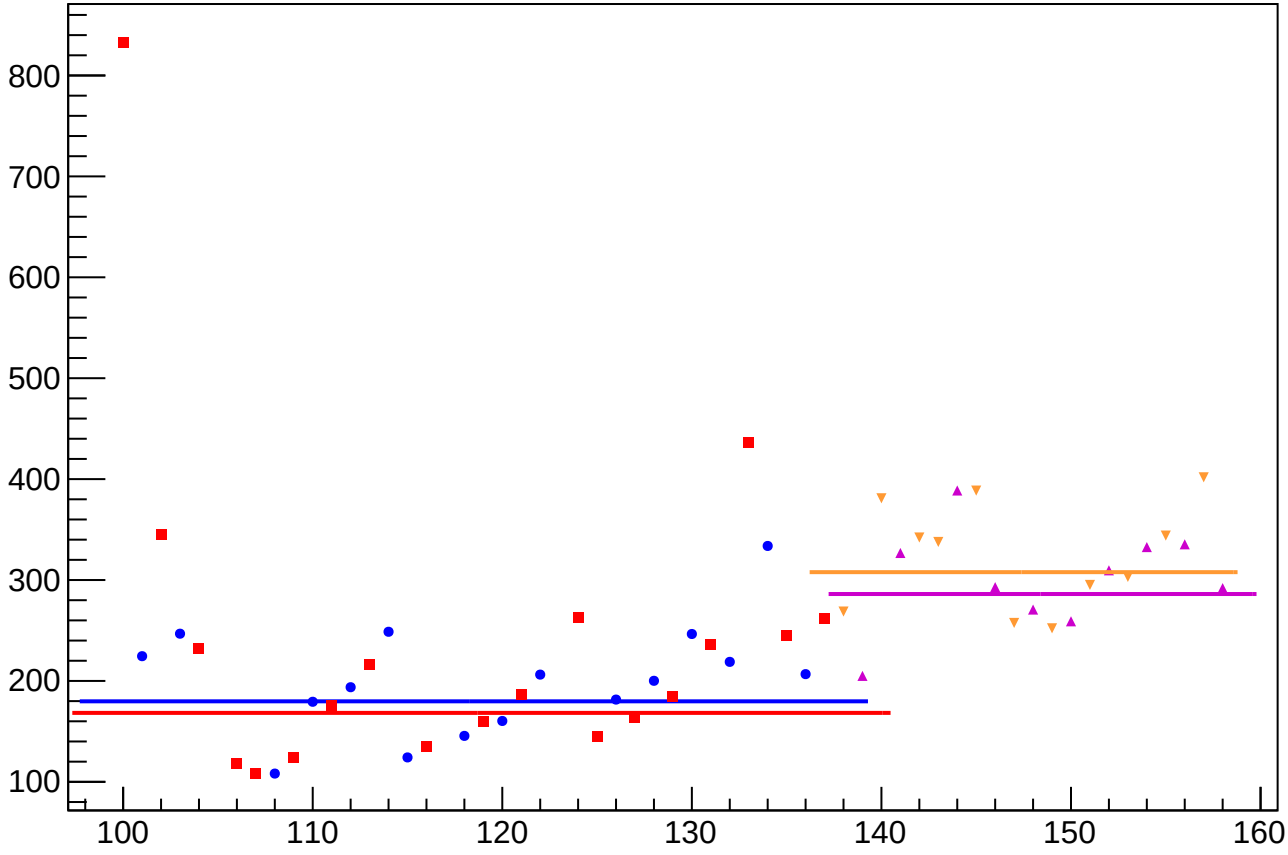
Left In: -0.035+/-0.099 χ^2/NDF:13.6/9

+ sign -0.003+/-0.059 χ^2/NDF: 25.9/26

All: 0.027+/-0.041 χ^2/NDF: 58.7/55

- sign 0.053+/-0.056 χ^2/NDF: 32.4/28

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 307.799+/-0.075 χ^2/NDF:437121.3/10

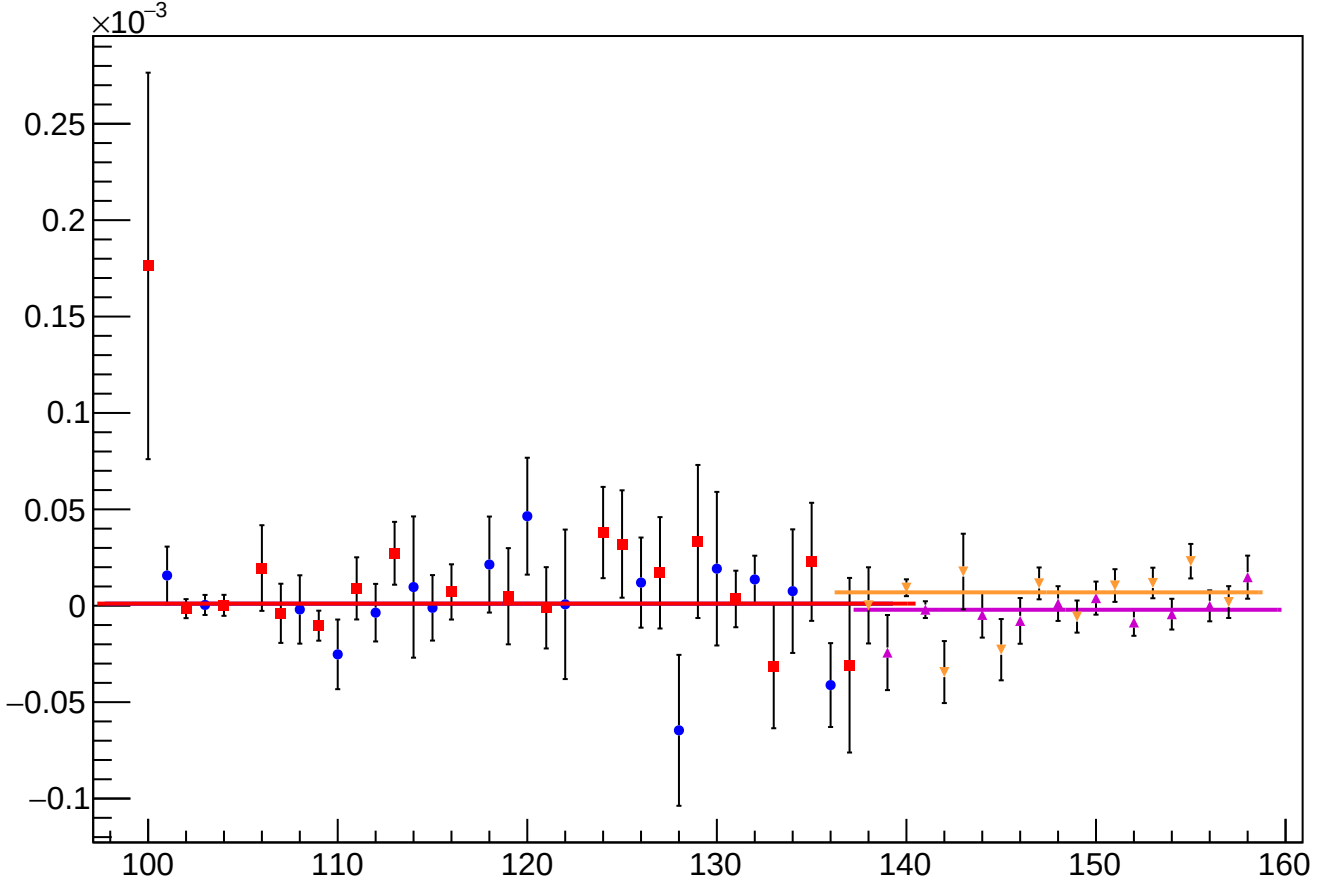
Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 286.134+/-0.070 χ^2/NDF:494784.4/9

+ sign 218.778+/-0.042 χ^2/NDF: 3359014.3/26

All: 211.895+/-0.029 χ^2/NDF: 7239061.4/55

- sign 205.689+/-0.040 χ^2/NDF: 3828042.0/28



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

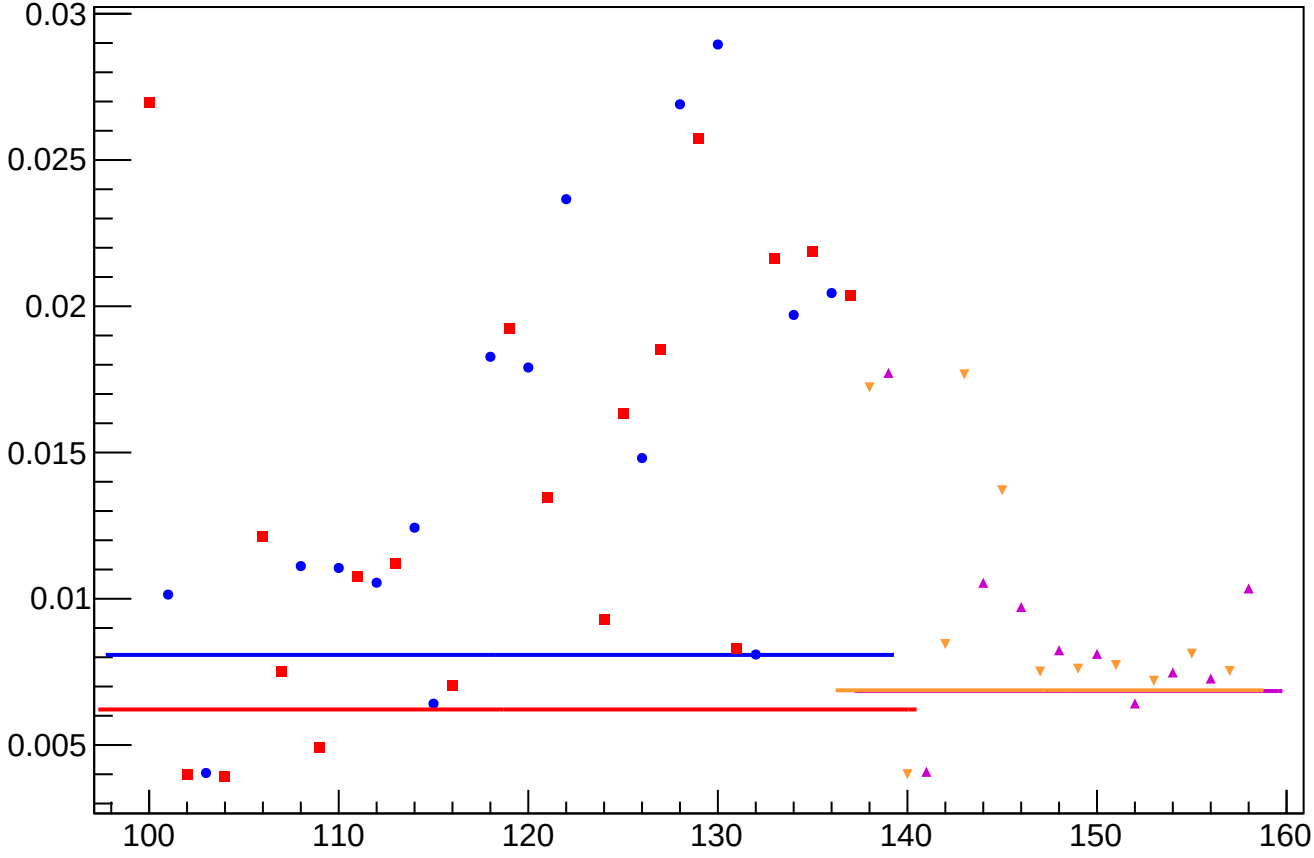
Left In: -0.000+/-0.000 χ^2/NDF:5.6/9

+ sign 0.000+/-0.000 χ^2/NDF: 33.6/26

All: 0.000+/-0.000 χ^2/NDF: 59.9/55

- sign -0.000+/-0.000 χ^2/NDF: 22.3/28

asym_atr_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.007+/-0.000 χ^2/NDF:2511353.7/10

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

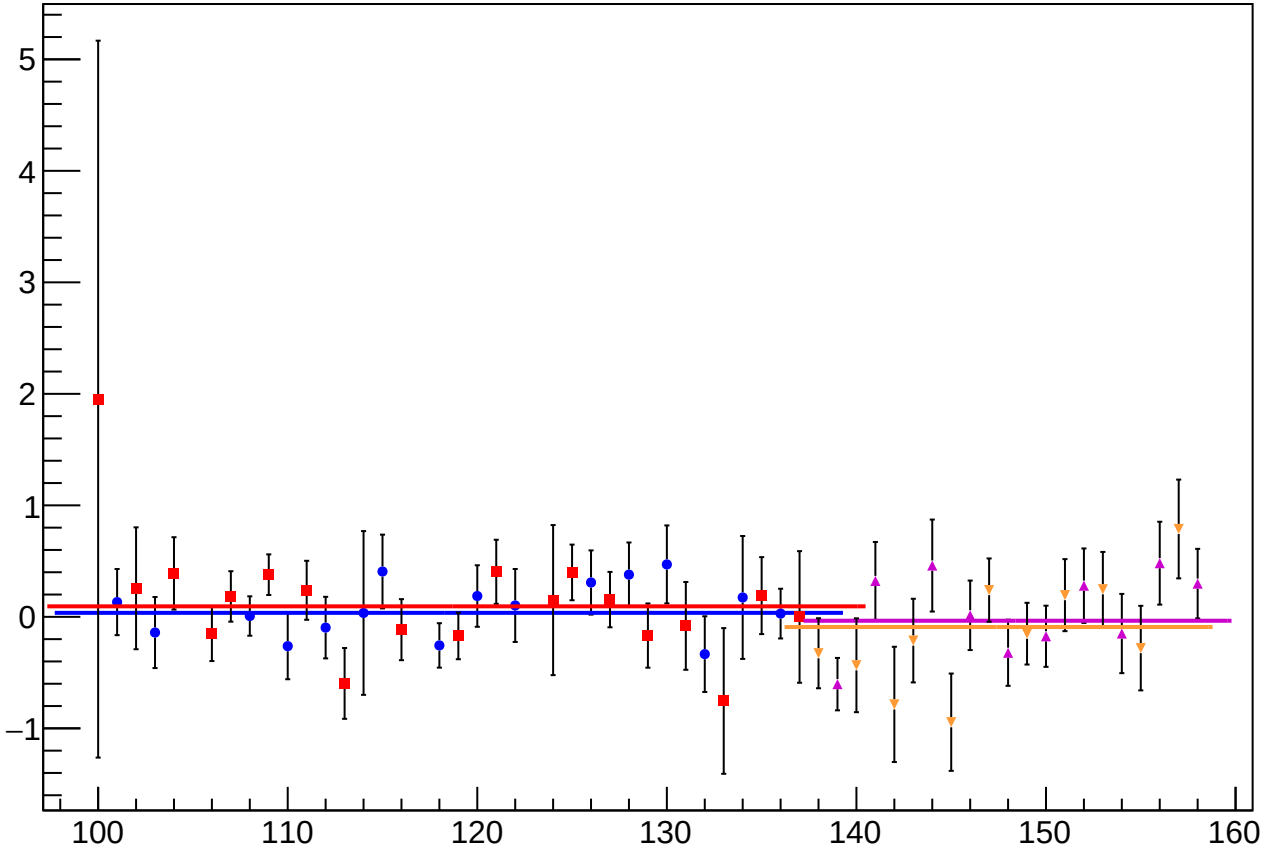
Left In: 0.007+/-0.000 χ^2/NDF:2057374.1/9

+ sign 0.007+/-0.000 χ^2/NDF: 7068551.7/26

All: 0.007+/-0.000 χ^2/NDF: 13864229.3/55

- sign 0.007+/-0.000 χ^2/NDF: 6673884.3/28

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.091+/-0.107 χ^2/NDF:14.4/10

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

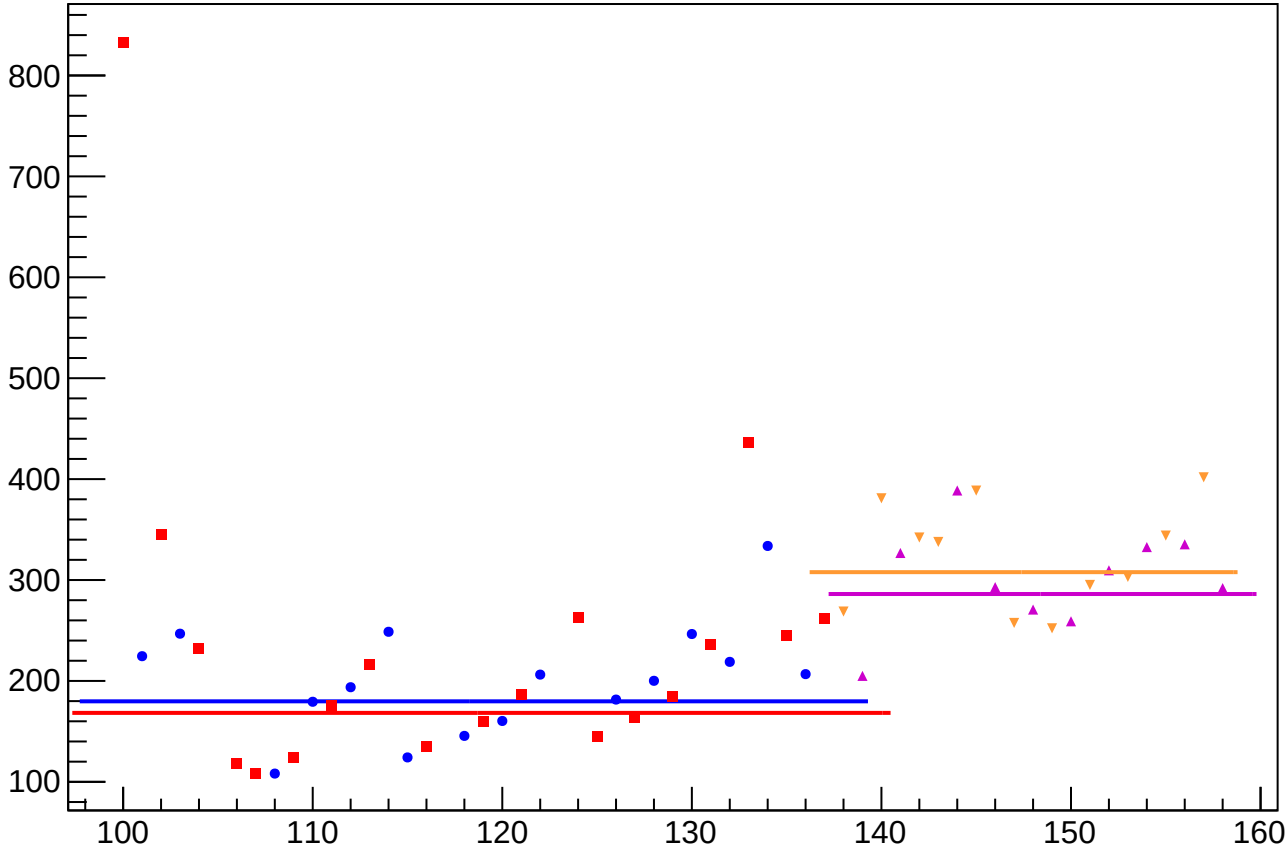
Left In: -0.035+/-0.099 χ^2/NDF:13.6/9

+ sign -0.003+/-0.059 χ^2/NDF: 25.9/26

All: 0.027+/-0.041 χ^2/NDF: 58.8/55

- sign 0.053+/-0.056 χ^2/NDF: 32.4/28

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 307.803+/-0.075 χ^2/NDF:437099.2/10

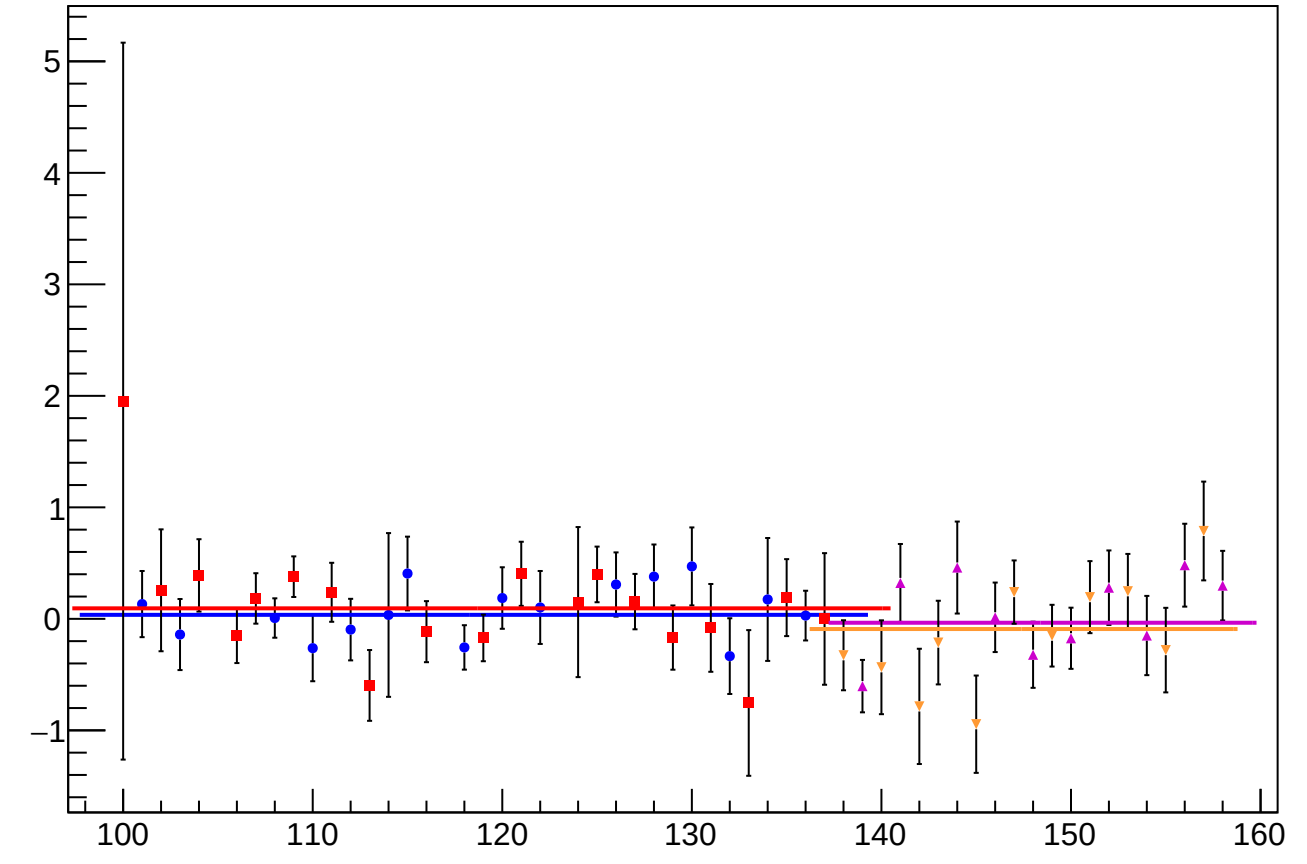
Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 286.138+/-0.070 χ^2/NDF:494752.6/9

+ sign 218.776+/-0.042 χ^2/NDF: 3359222.6/26

All: 211.895+/-0.029 χ^2/NDF: 7239319.2/55

- sign 205.690+/-0.040 χ^2/NDF: 3828110.1/28



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.091+/-0.107 χ^2/NDF:14.4/10

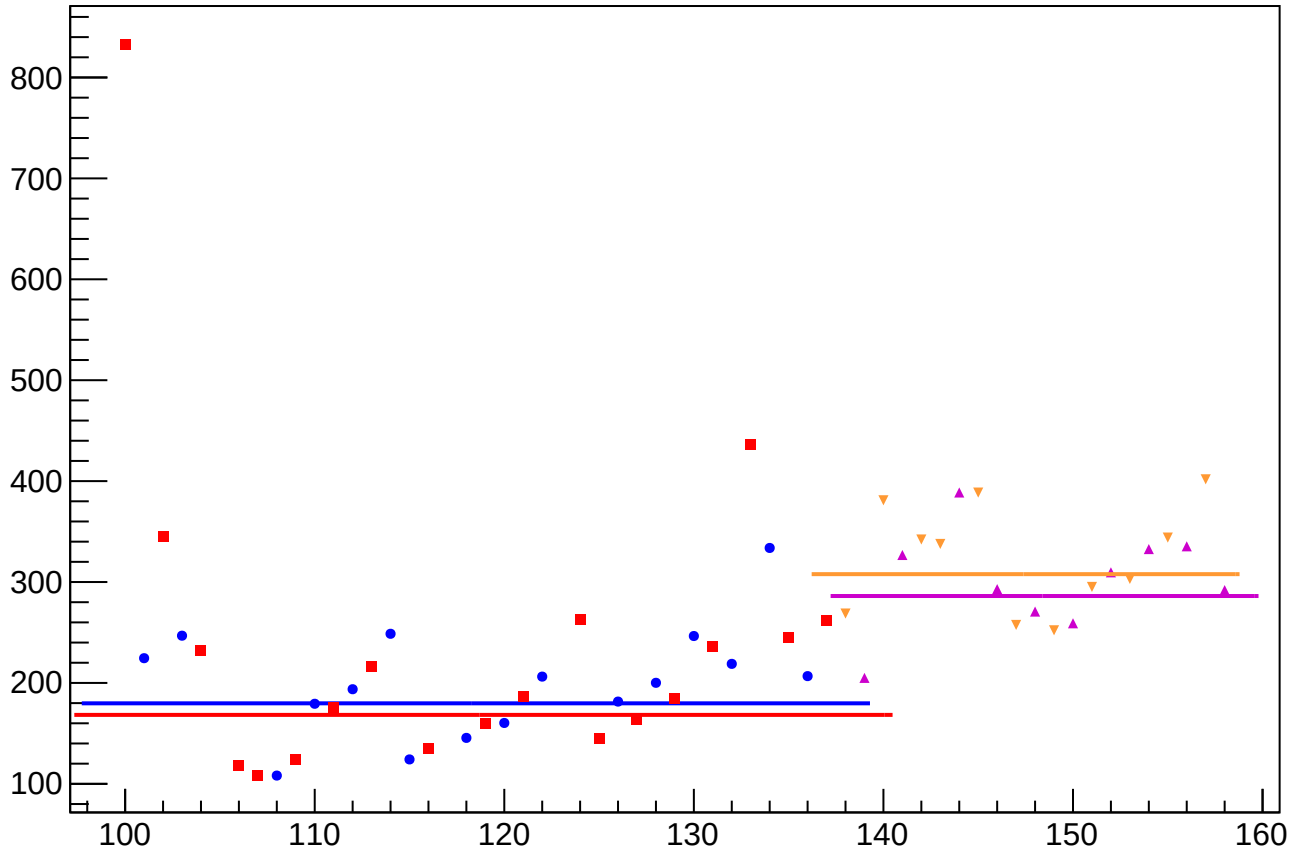
Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: -0.035+/-0.099 χ^2/NDF:13.6/9

+ sign -0.003+/-0.059 χ^2/NDF: 25.9/26

All: 0.027+/-0.041 χ^2/NDF: 58.8/55

- sign 0.053+/-0.056 χ^2/NDF: 32.4/28



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 307.803+/-0.075 χ^2/NDF:437099.2/10

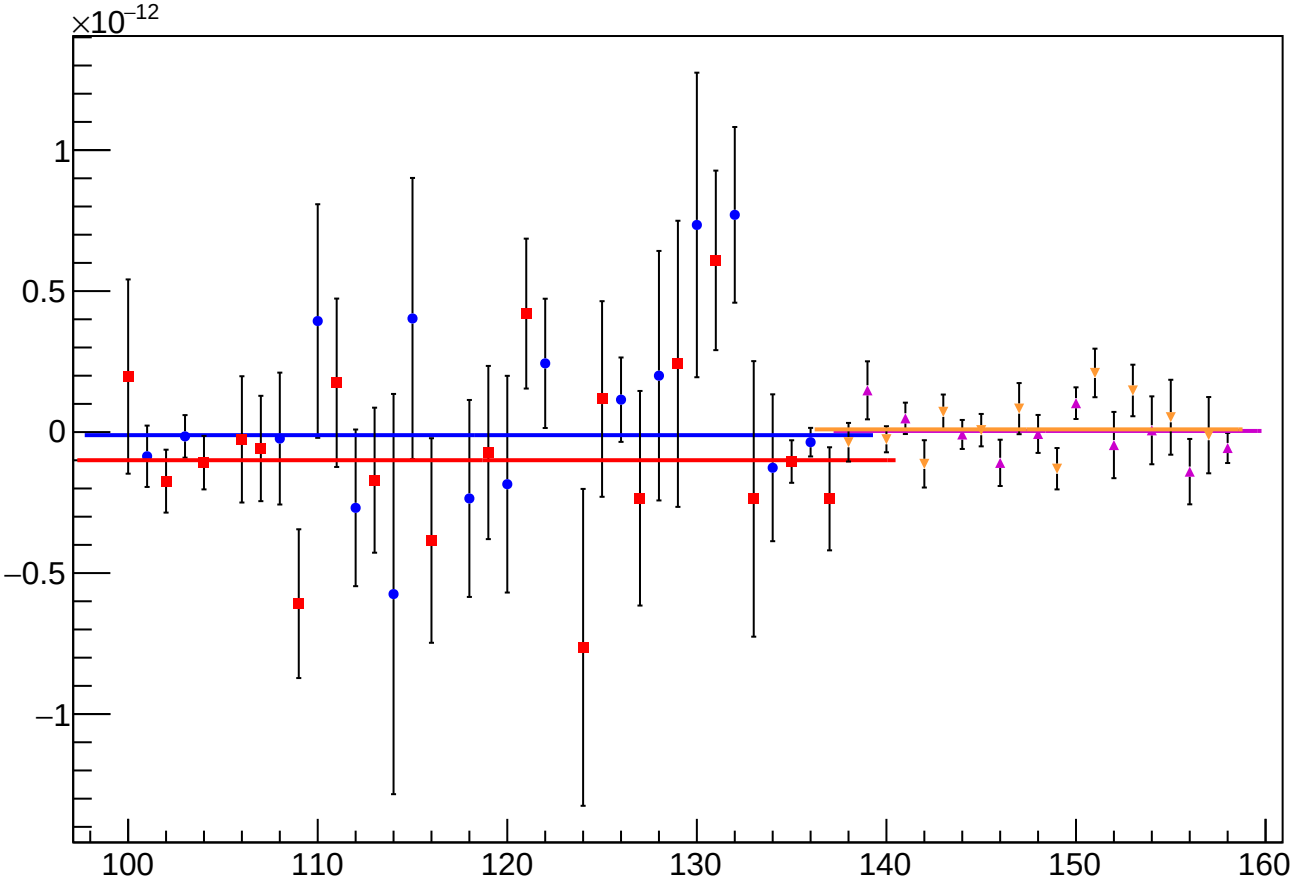
Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 286.138+/-0.070 χ^2/NDF:494752.6/9

+ sign 218.776+/-0.042 χ^2/NDF: 3359222.6/26

All: 211.895+/-0.029 χ^2/NDF: 7239319.2/55

- sign 205.690+/-0.040 χ^2/NDF: 3828110.1/28



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.3/10

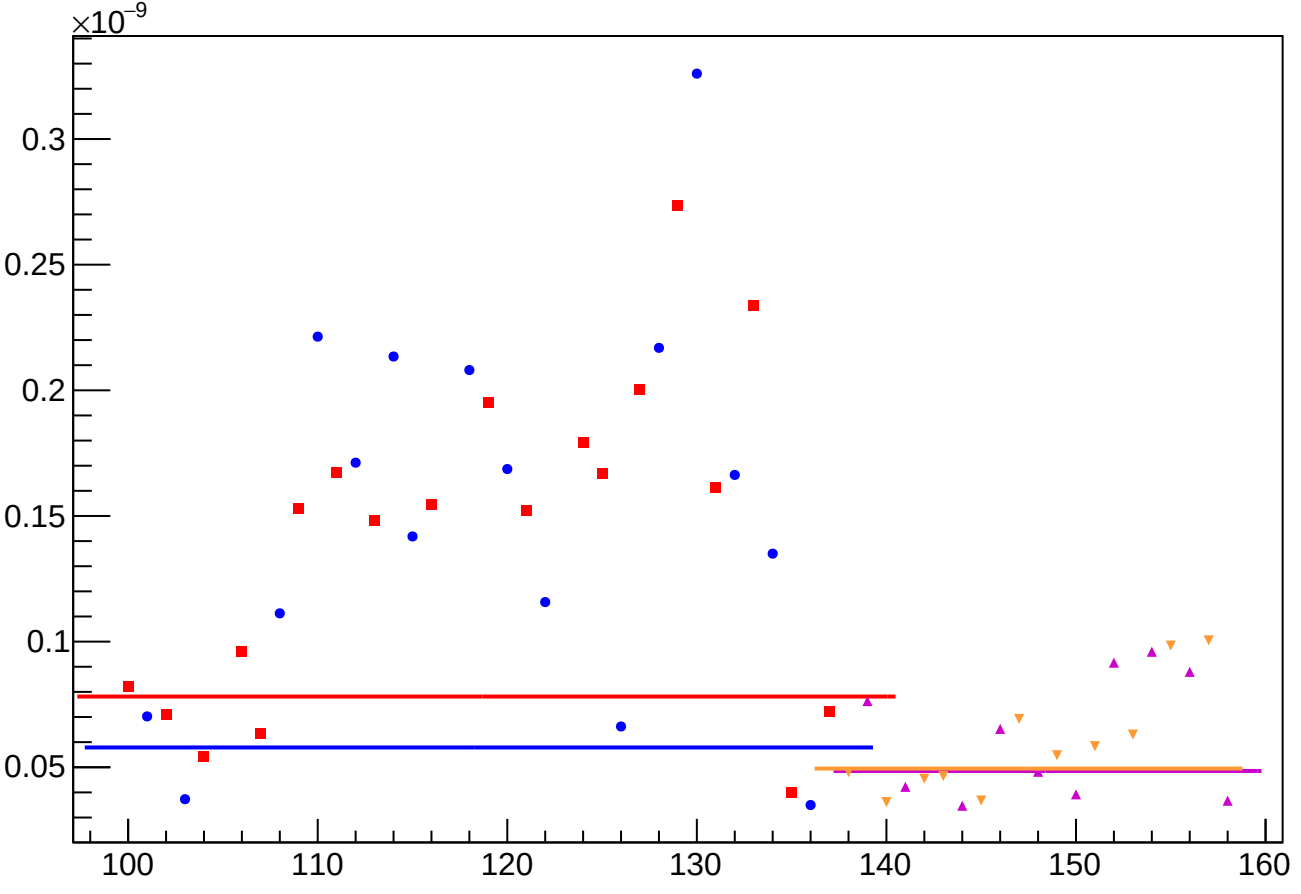
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:10.7/9

+ sign 0.000+/-0.000 χ^2/NDF: 31.5/26

All: -0.000+/-0.000 χ^2/NDF: 66.1/55

- sign -0.000+/-0.000 χ^2/NDF: 33.9/28



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1000608.2/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

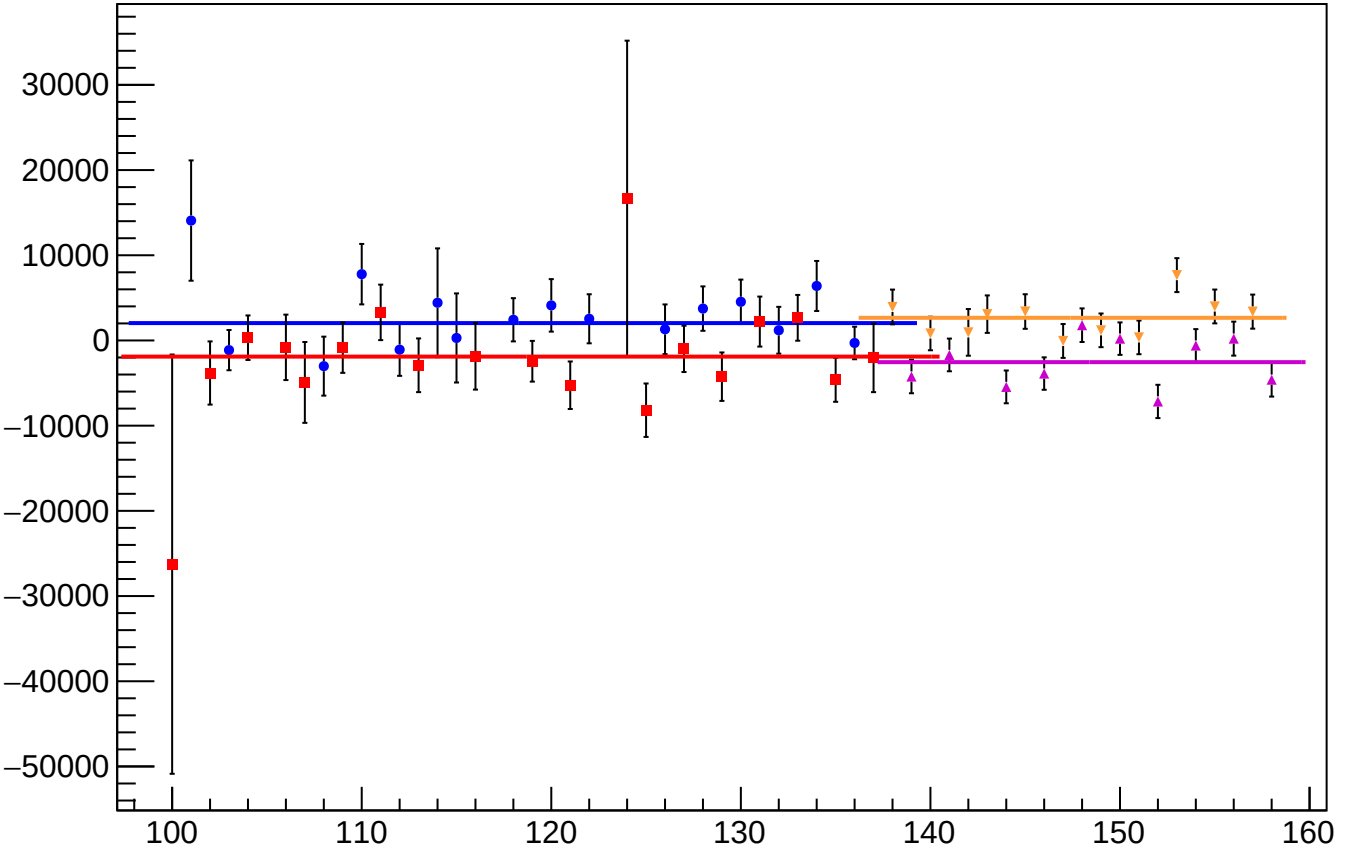
Left In: 0.000+/-0.000 χ^2/NDF:1364084.7/9

+ sign 0.000+/-0.000 χ^2/NDF: 4405268.9/26

All: 0.000+/-0.000 χ^2/NDF: 9302808.6/55

- sign 0.000+/-0.000 χ^2/NDF: 4871613.1/28

reg_asym_at1_avg_mean vs Slug



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2660.017+/-619.851 χ^2/NDF:12.5/10

Right Out: -1895.242+/-736.762 χ^2/NDF: 18.5/18

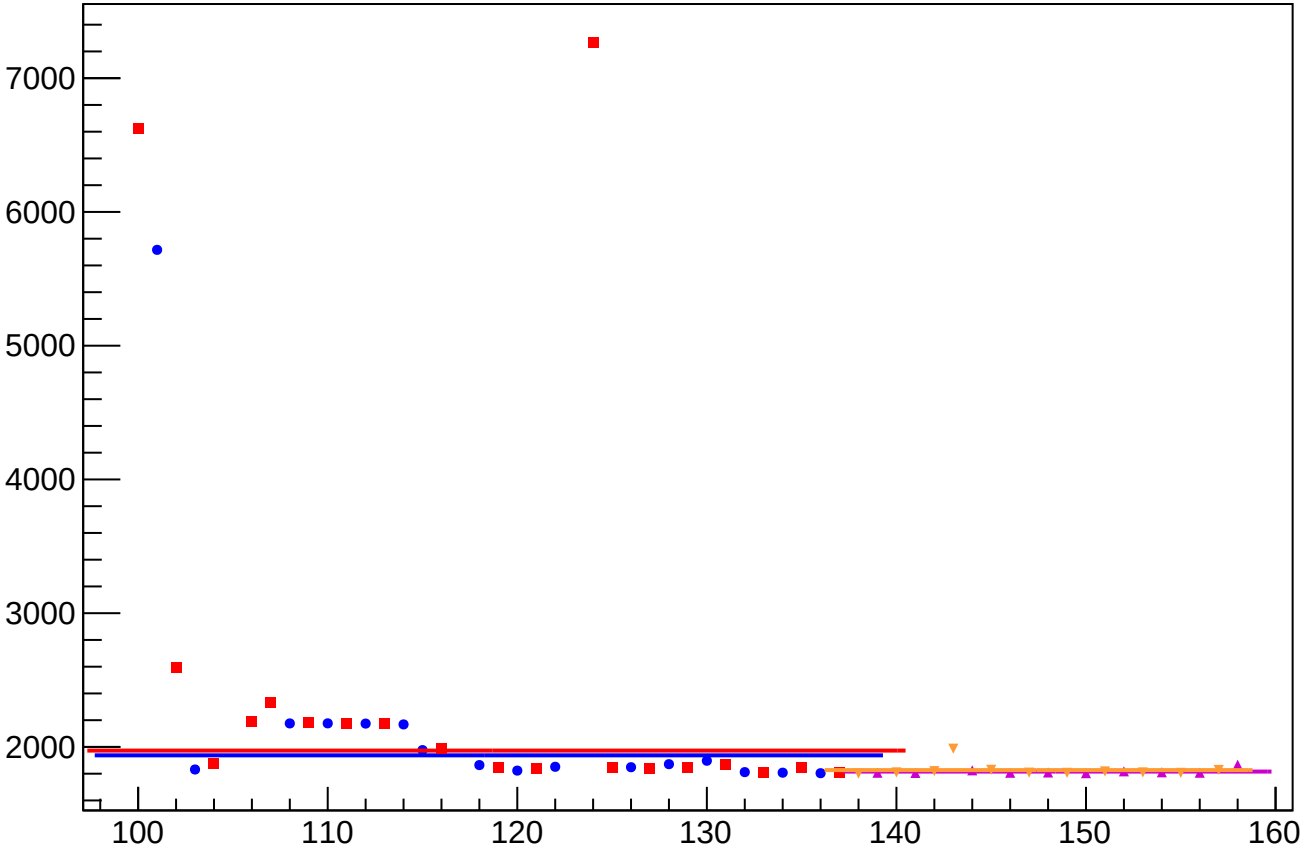
Left In: -2544.848+/-614.775 χ^2/NDF:20.2/9

+ sign 2402.495+/-474.168 χ^2/NDF: 29.4/26

All: 51.565+/-334.528 χ^2/NDF: 117.5/55

- sign -2278.203+/-472.029 χ^2/NDF: 39.2/28

reg_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1826.809+/-0.438 χ^2/NDF:11917.4/10

Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

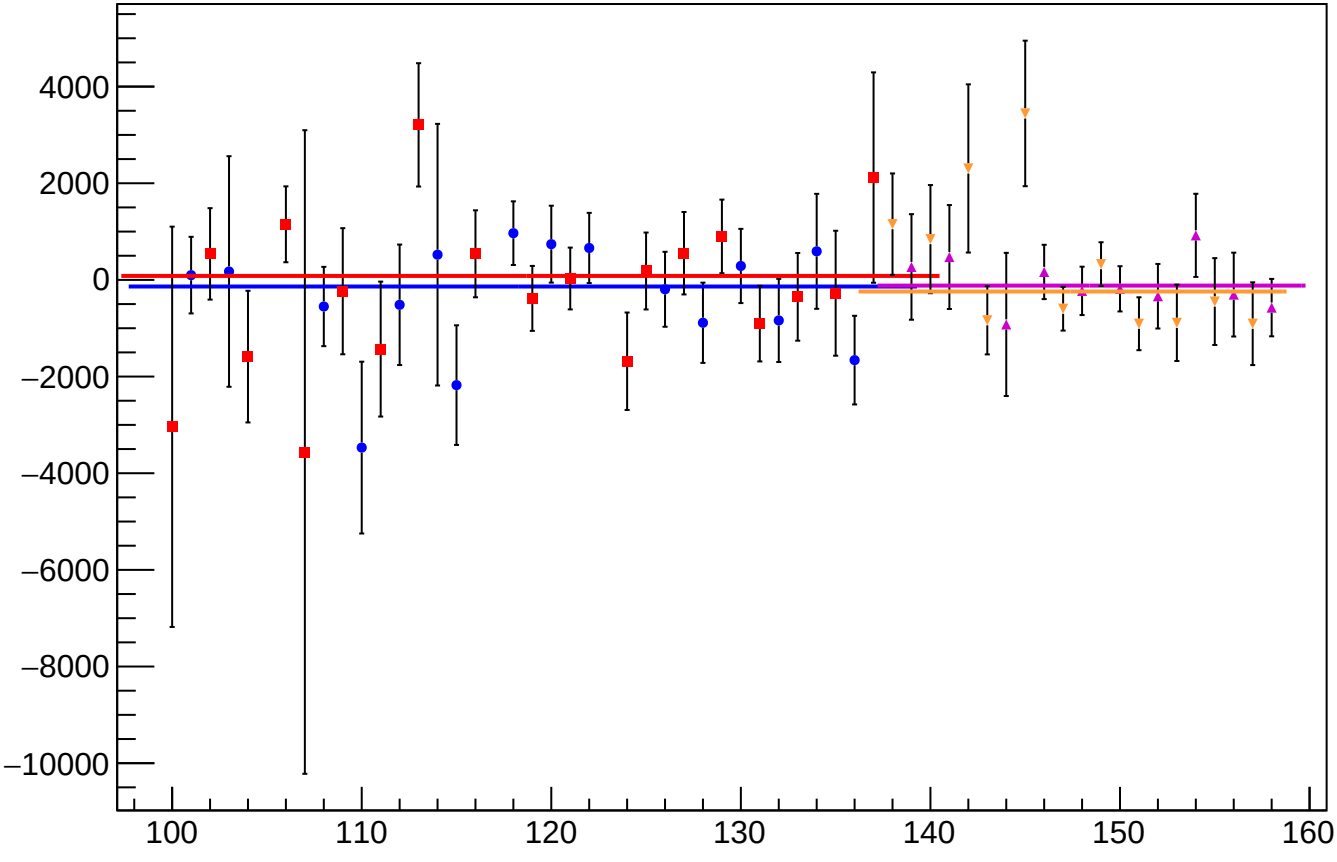
Left In: 1815.840+/-0.435 χ^2/NDF:1681.0/9

+ sign 1872.623+/-0.335 χ^2/NDF: 676347.9/26

All: 1876.454+/-0.237 χ^2/NDF: 1109311.6/55

- sign 1880.252+/-0.334 χ^2/NDF: 432703.6/28

asym_at1_avg_reg_correction_mean vs Slug



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: -239.932+/-214.190 χ^2/NDF:16.5/10

Right Out: 82.296+/-222.019 χ^2/NDF: 19.7/18

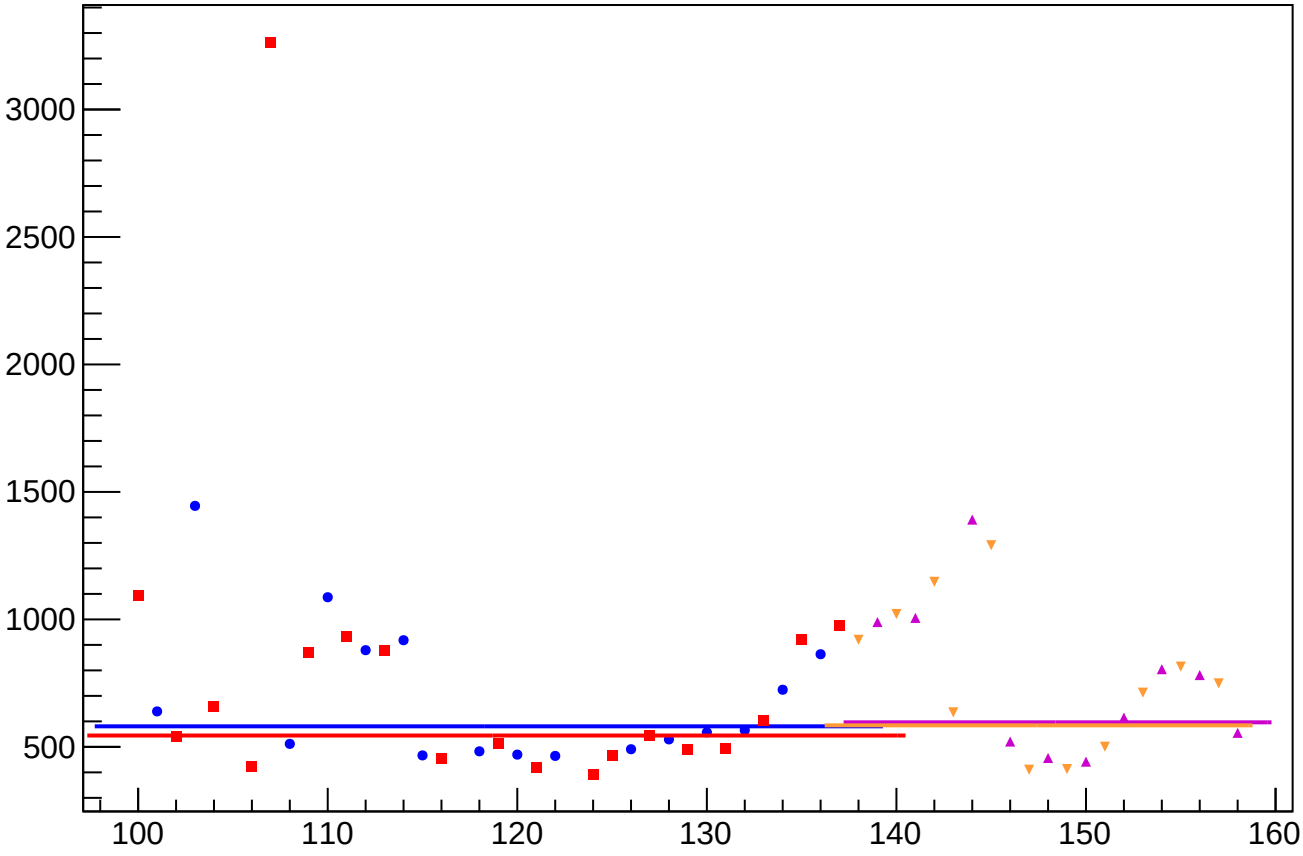
Left In: -117.895+/-214.974 χ^2/NDF:3.2/9

+ sign -192.055+/-156.883 χ^2/NDF: 33.5/26

All: -105.199+/-110.059 χ^2/NDF: 57.6/55

- sign -21.026+/-154.440 χ^2/NDF: 23.4/28

asym_at1_avg_reg_correction_rms vs Slug



Right In: 580.611+/-0.163 χ^2/NDF: 1003410.8/15

Left Out: 584.472+/-0.151 χ^2/NDF:2057781.0/10

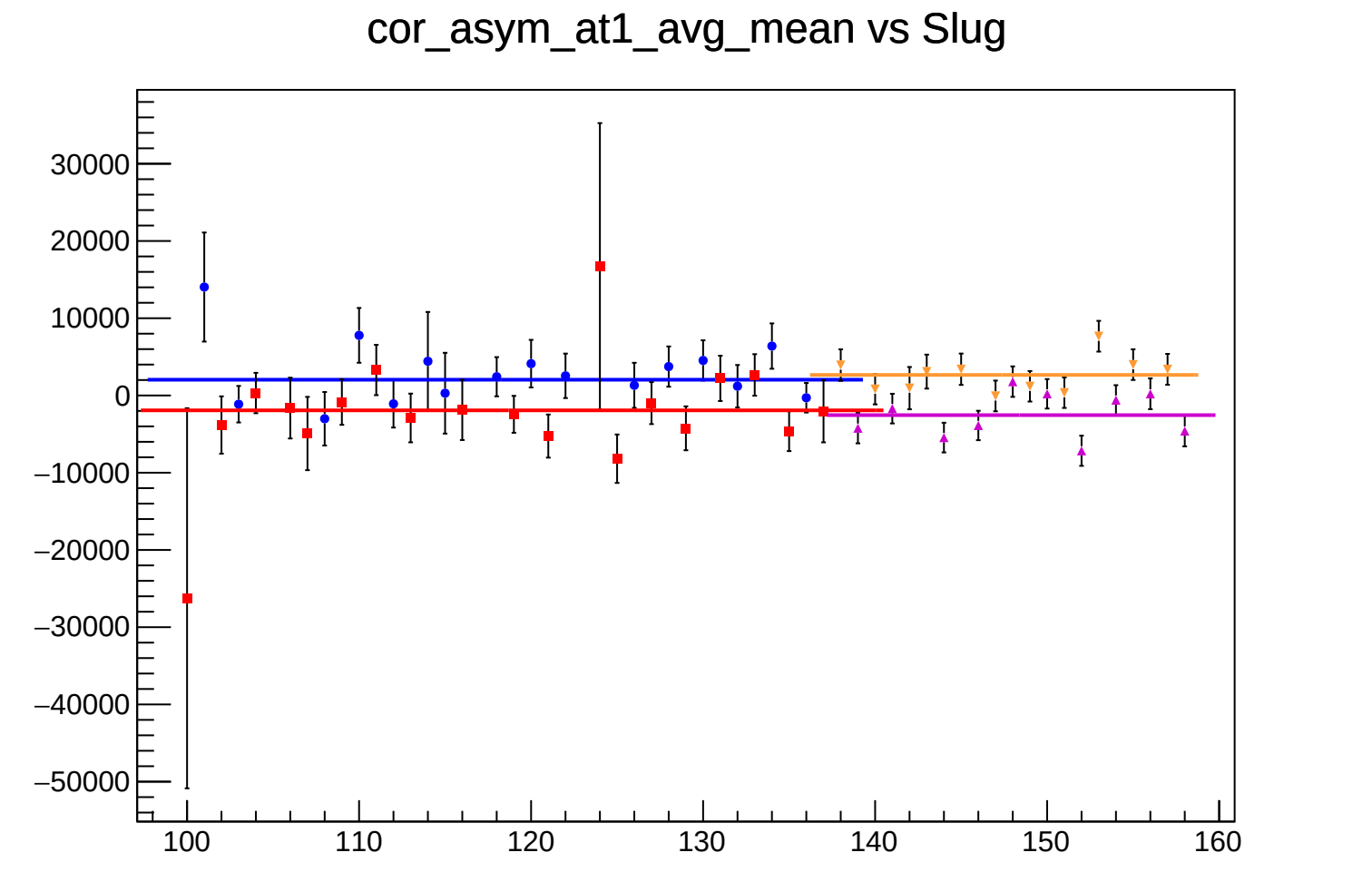
Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

Left In: 596.283+/-0.152 χ^2/NDF:1755050.9/9

+ sign 582.682+/-0.111 χ^2/NDF: 3061493.0/26

All: 576.872+/-0.078 χ^2/NDF: 6165676.3/55

- sign 571.241+/-0.109 χ^2/NDF: 3098781.0/28



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2659.987+/-619.851 χ^2/NDF:12.5/10

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

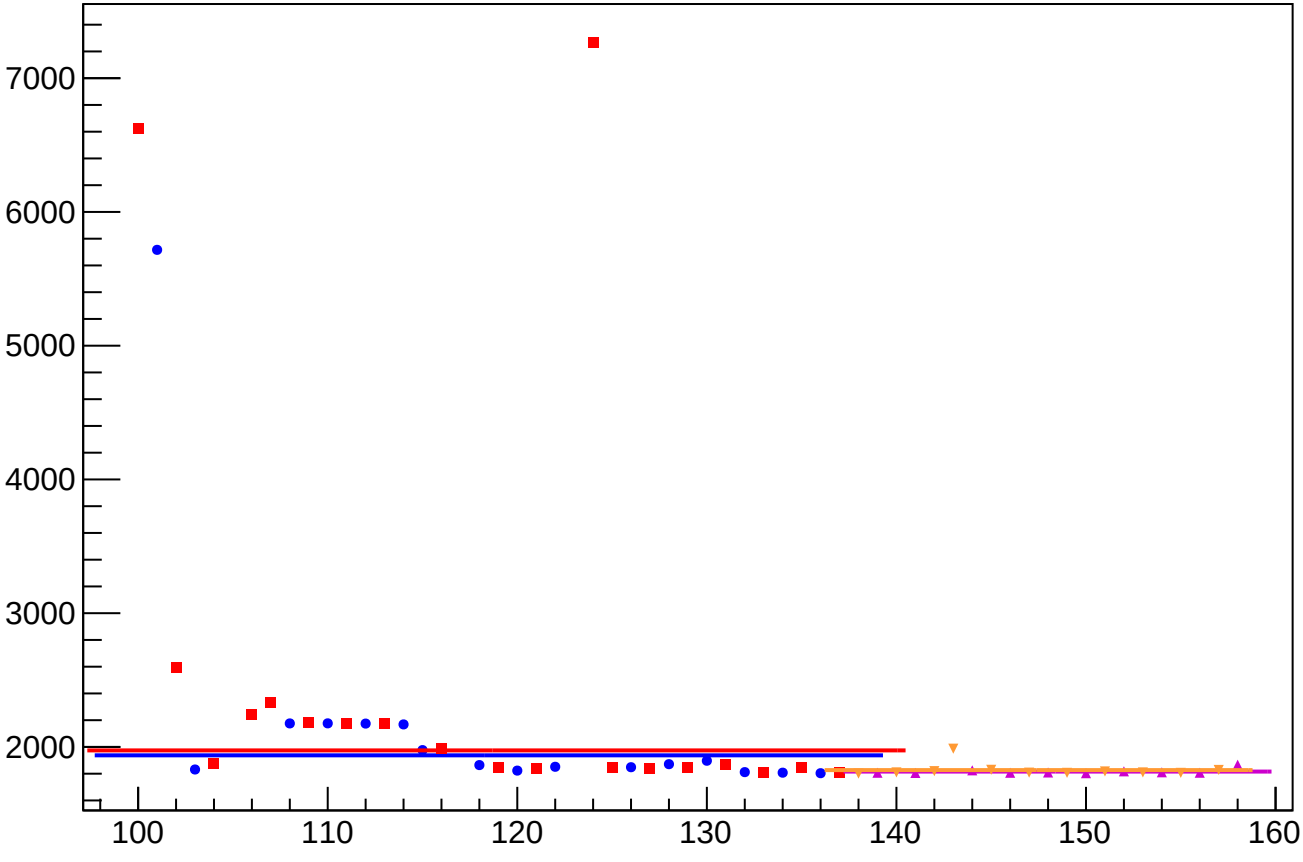
Left In: -2544.987+/-614.775 χ^2/NDF:20.2/9

+ sign 2402.324+/-474.168 χ^2/NDF: 29.4/26

All: 45.758+/-334.589 χ^2/NDF: 117.6/55

- sign -2291.283+/-472.199 χ^2/NDF: 39.1/28

cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1826.809+/-0.438 χ^2/NDF:11917.4/10

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

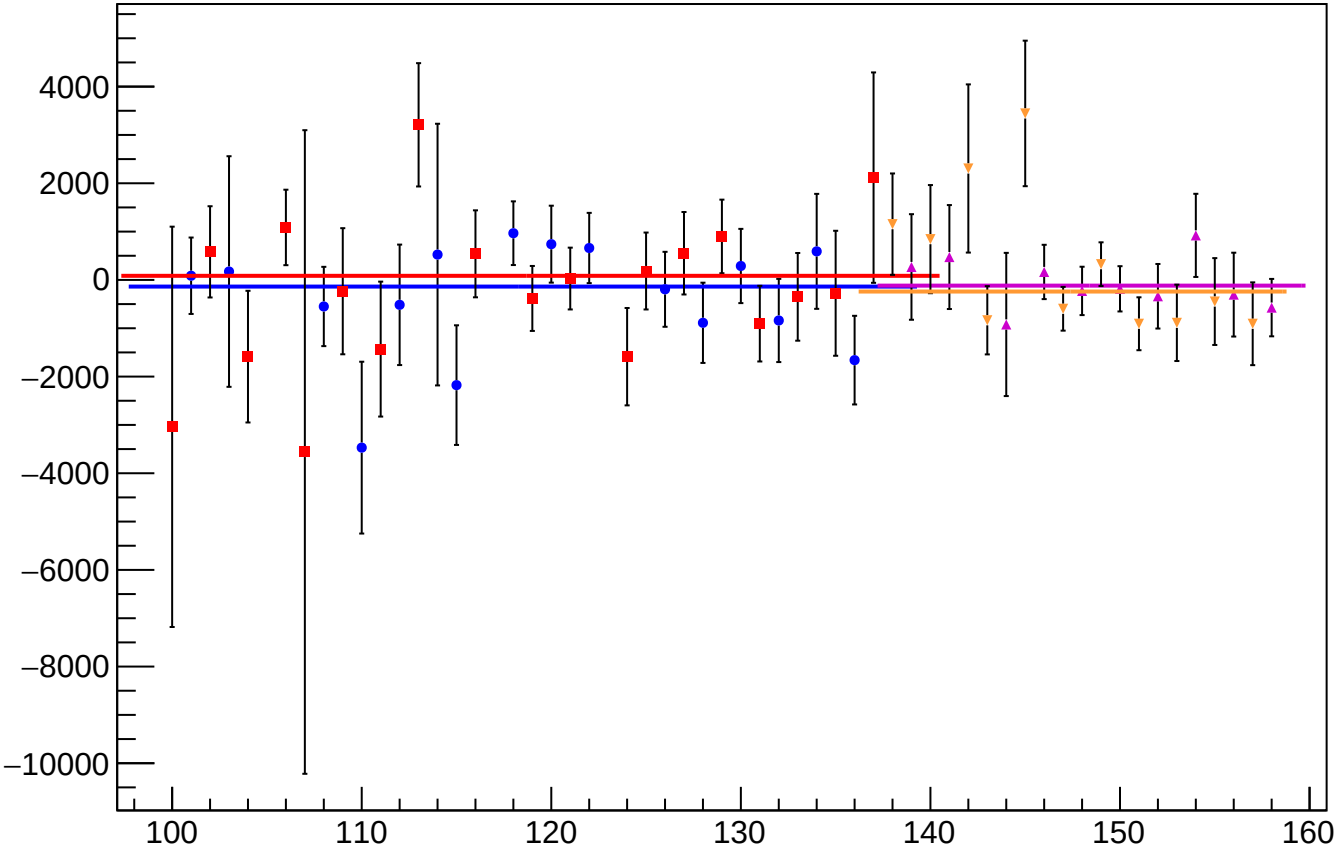
Left In: 1815.840+/-0.435 χ^2/NDF:1681.0/9

+ sign 1872.623+/-0.335 χ^2/NDF: 676347.9/26

All: 1876.707+/-0.237 χ^2/NDF: 1113139.1/55

- sign 1880.757+/-0.334 χ^2/NDF: 436495.7/28

asym_at1_avg_cor_correction_mean vs Slug



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -240.227+/-214.190 χ^2/NDF:16.5/10

Right Out: 84.947+/-221.881 χ^2/NDF: 19.3/18

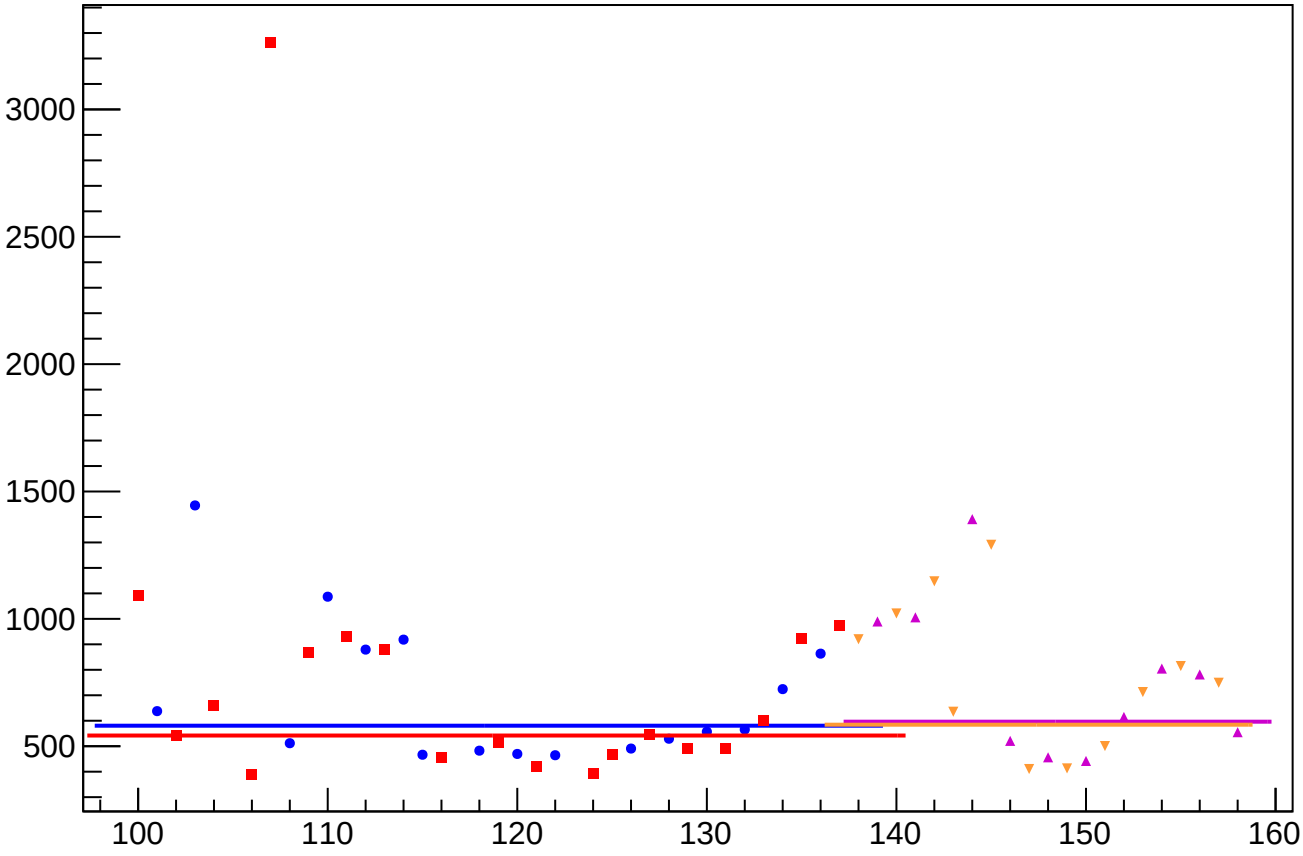
Left In: -117.892+/-214.975 χ^2/NDF:3.2/9

+ sign -192.596+/-156.868 χ^2/NDF: 33.5/26

All: -104.763+/-110.037 χ^2/NDF: 57.1/55

- sign -19.678+/-154.394 χ^2/NDF: 23.0/28

asym_at1_avg_cor_correction_rms vs Slug



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 584.473+/-0.151 χ^2/NDF:2057863.2/10

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

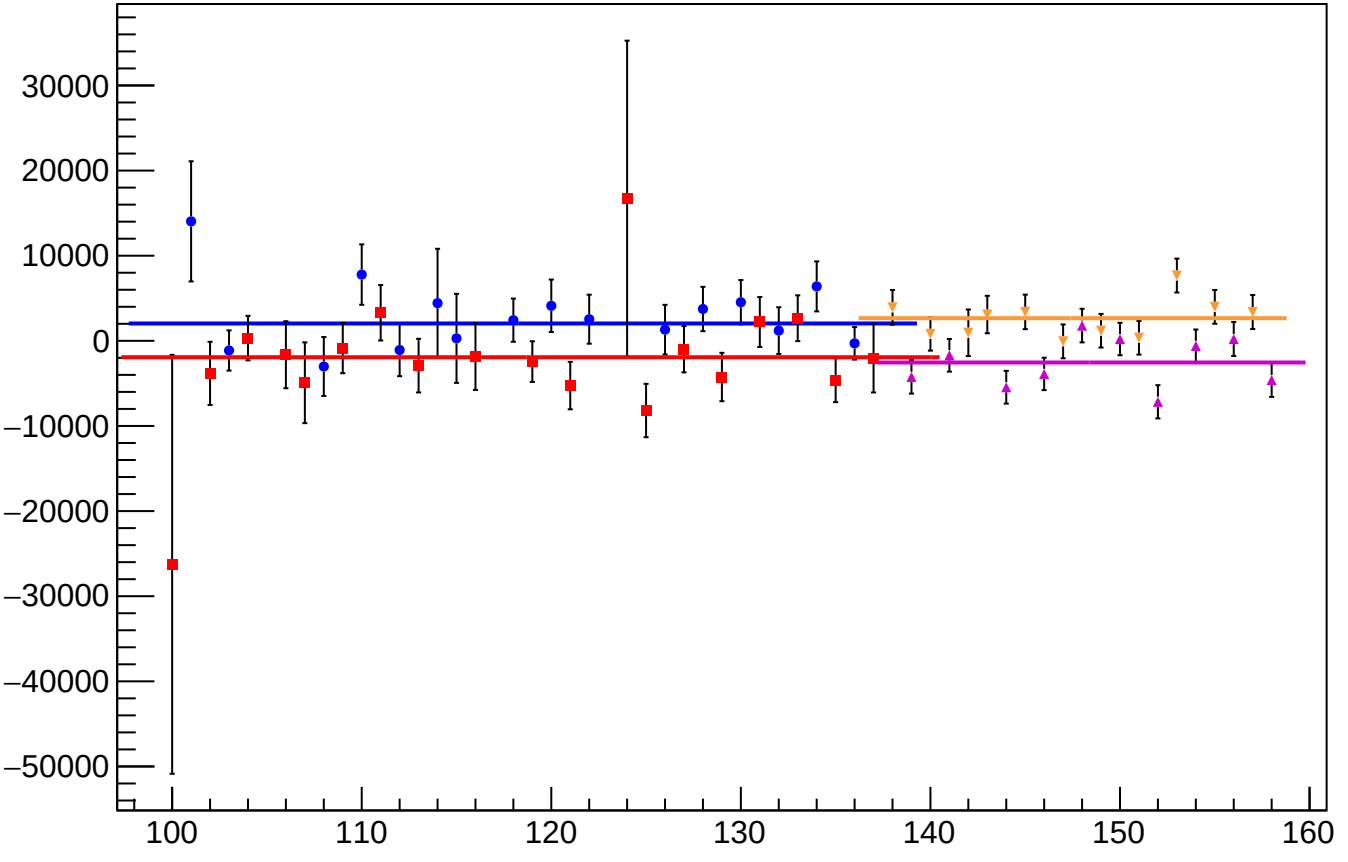
Left In: 596.283+/-0.152 χ^2/NDF:1755077.2/9

+ sign 582.640+/-0.111 χ^2/NDF: 3061079.7/26

All: 576.204+/-0.078 χ^2/NDF: 6203519.8/55

- sign 569.970+/-0.109 χ^2/NDF: 3135813.1/28

eigen_cor_asym_at1_avg_mean vs Slug



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2659.987+/-619.851 χ^2/NDF:12.5/10

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

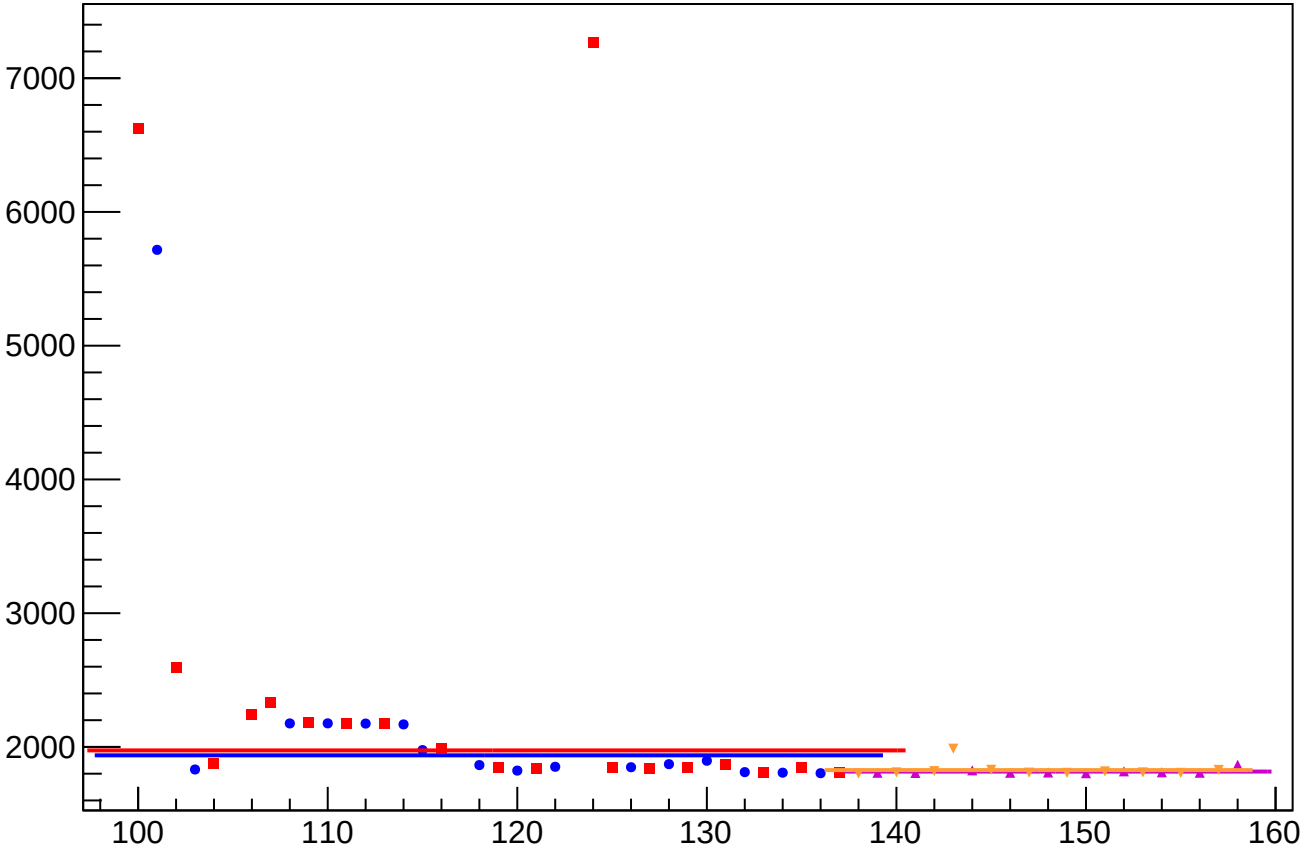
Left In: -2544.987+/-614.775 χ^2/NDF:20.2/9

+ sign 2402.324+/-474.168 χ^2/NDF: 29.4/26

All: 45.758+/-334.589 χ^2/NDF: 117.6/55

- sign -2291.283+/-472.199 χ^2/NDF: 39.1/28

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1826.809+/-0.438 χ^2/NDF:11917.4/10

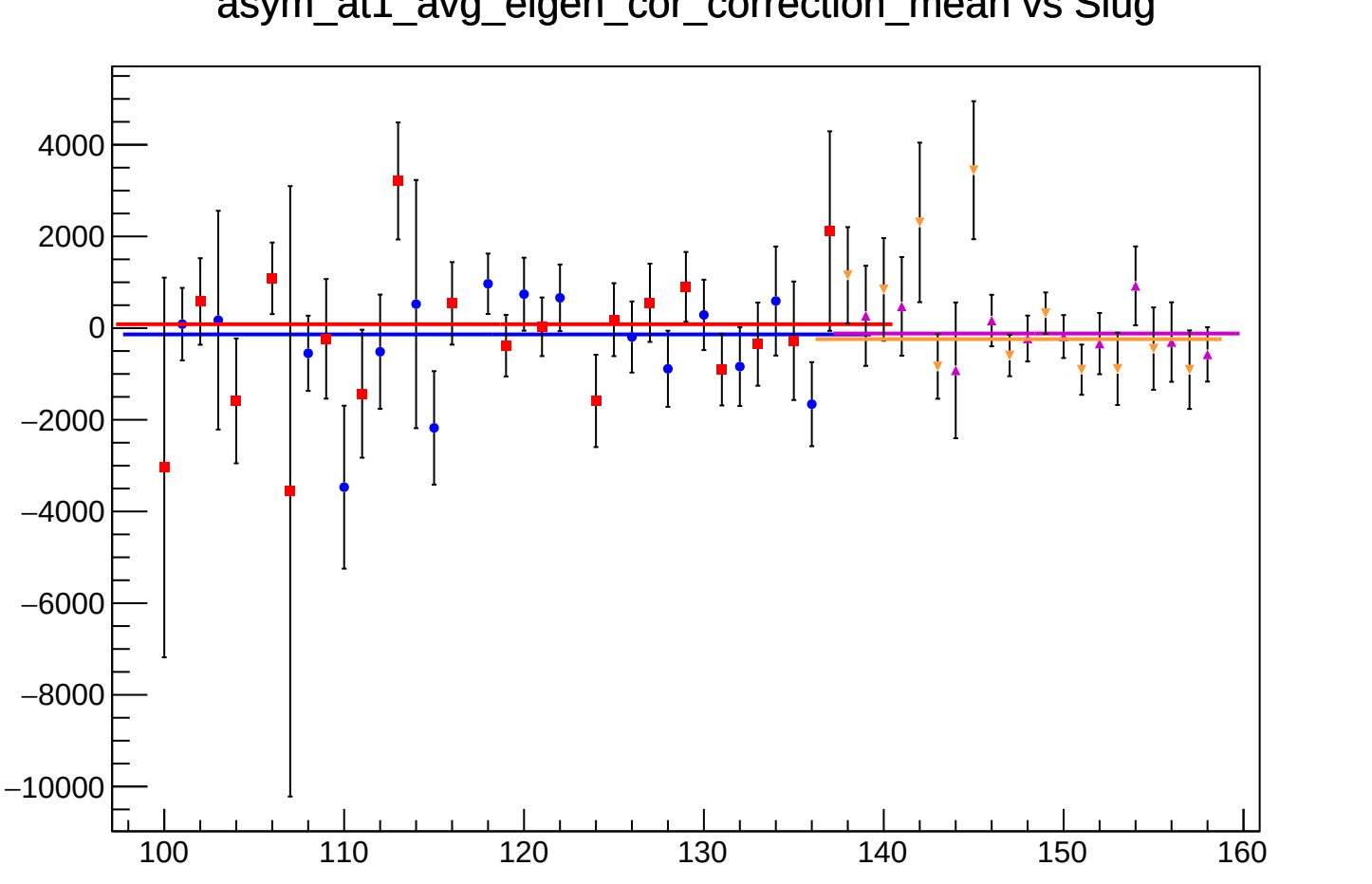
Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1815.840+/-0.435 χ^2/NDF:1681.0/9

+ sign 1872.623+/-0.335 χ^2/NDF: 676347.9/26

All: 1876.707+/-0.237 χ^2/NDF: 1113139.1/55

- sign 1880.757+/-0.334 χ^2/NDF: 436495.7/28



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -240.227+/-214.190 χ^2/NDF:16.5/10

Right Out: 84.947+/-221.881 χ^2/NDF: 19.3/18

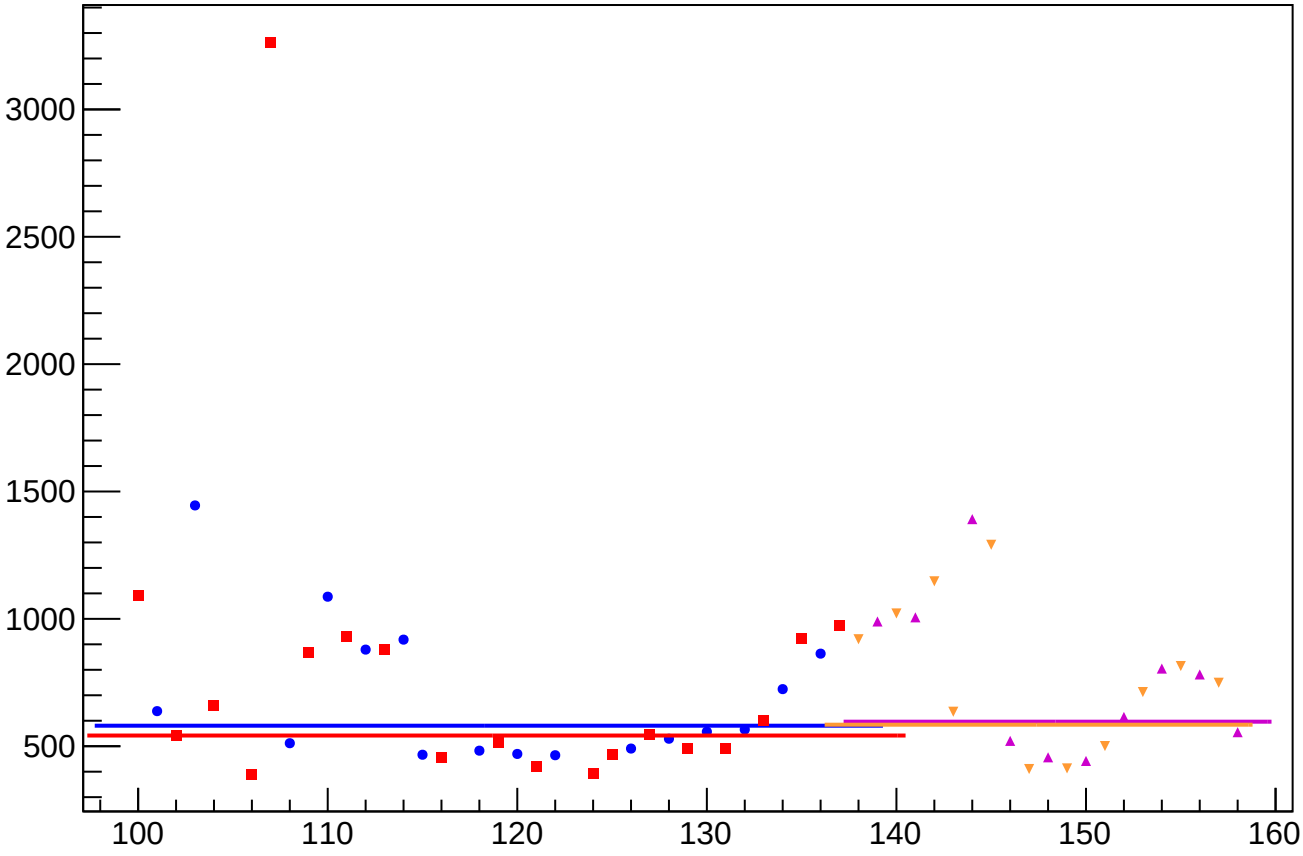
Left In: -117.892+/-214.975 χ^2/NDF:3.2/9

\+ sign -192.596+/-156.868 χ^2/NDF: 33.5/26

All: -104.763+/-110.037 χ^2/NDF: 57.1/55

\- sign -19.678+/-154.394 χ^2/NDF: 23.0/28

asym_at1_avg_eigen_cor_correction_rms vs Slug



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 584.473+/-0.151 χ^2/NDF:2057863.2/10

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

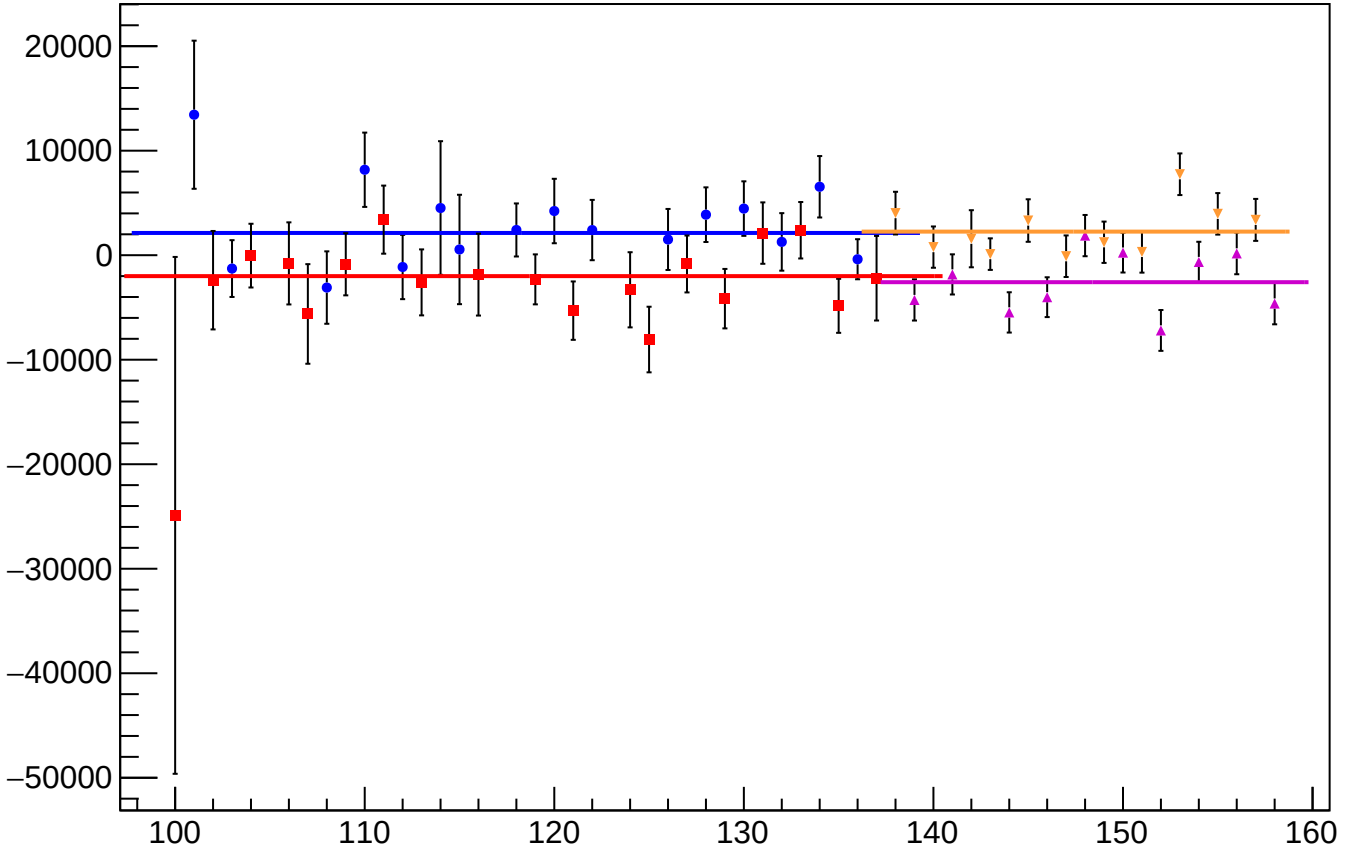
Left In: 596.283+/-0.152 χ^2/NDF:1755077.2/9

+ sign 582.640+/-0.111 χ^2/NDF: 3061079.7/26

All: 576.204+/-0.078 χ^2/NDF: 6203519.8/55

- sign 569.970+/-0.109 χ^2/NDF: 3135813.1/28

dit_asym_at1_avg_mean vs Slug



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 2257.123+/-594.617 χ^2/NDF:15.0/10

Right Out: -2002.220+/-737.195 χ^2/NDF: 16.7/18

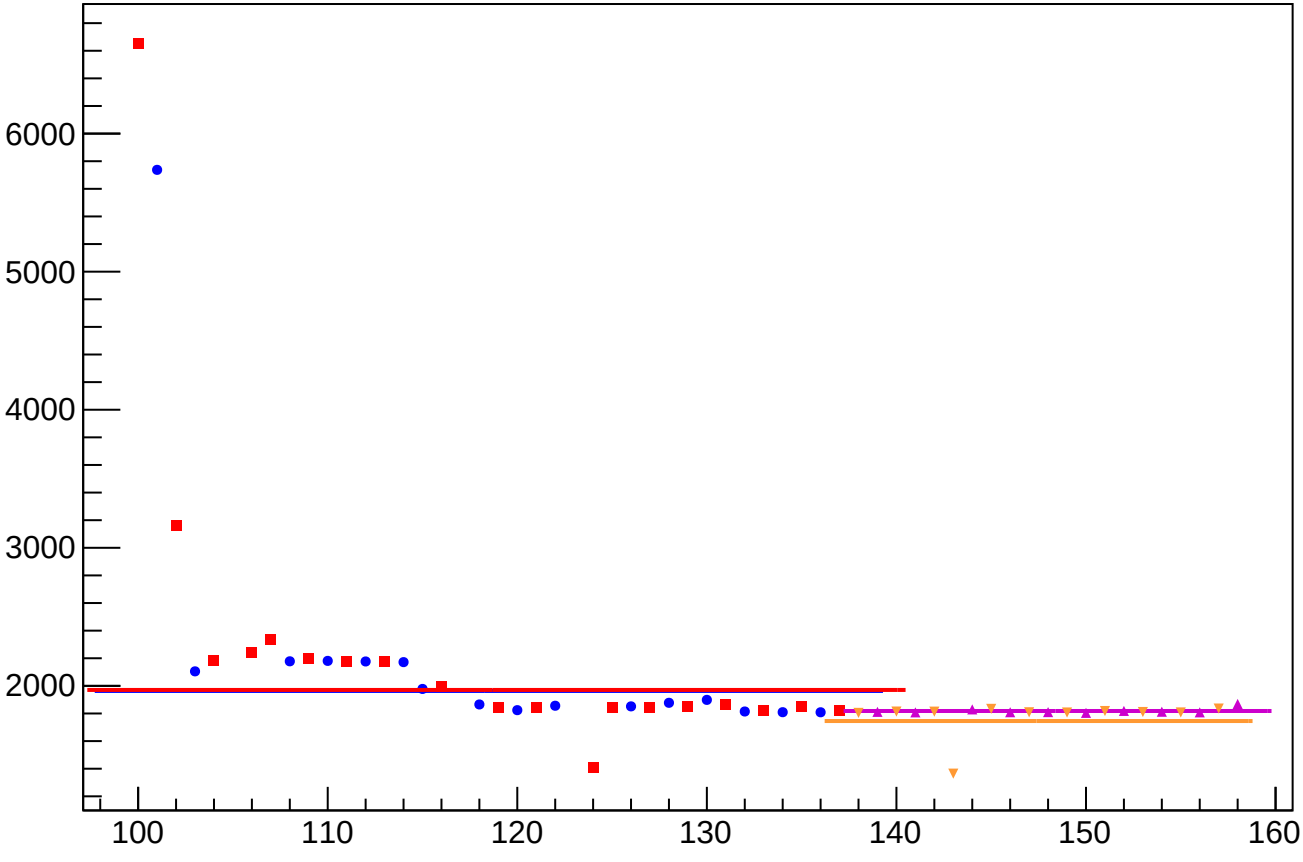
Left In: -2581.943+/-615.519 χ^2/NDF:20.6/9

+ sign 2207.269+/-465.039 χ^2/NDF: 31.5/26

All: -32.155+/-331.432 χ^2/NDF: 116.3/55

- sign -2343.809+/-472.480 χ^2/NDF: 37.7/28

dit_asym_at1_avg_rms vs Slug



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1745.326+/-0.420 χ^2/NDF:151311.3/10

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

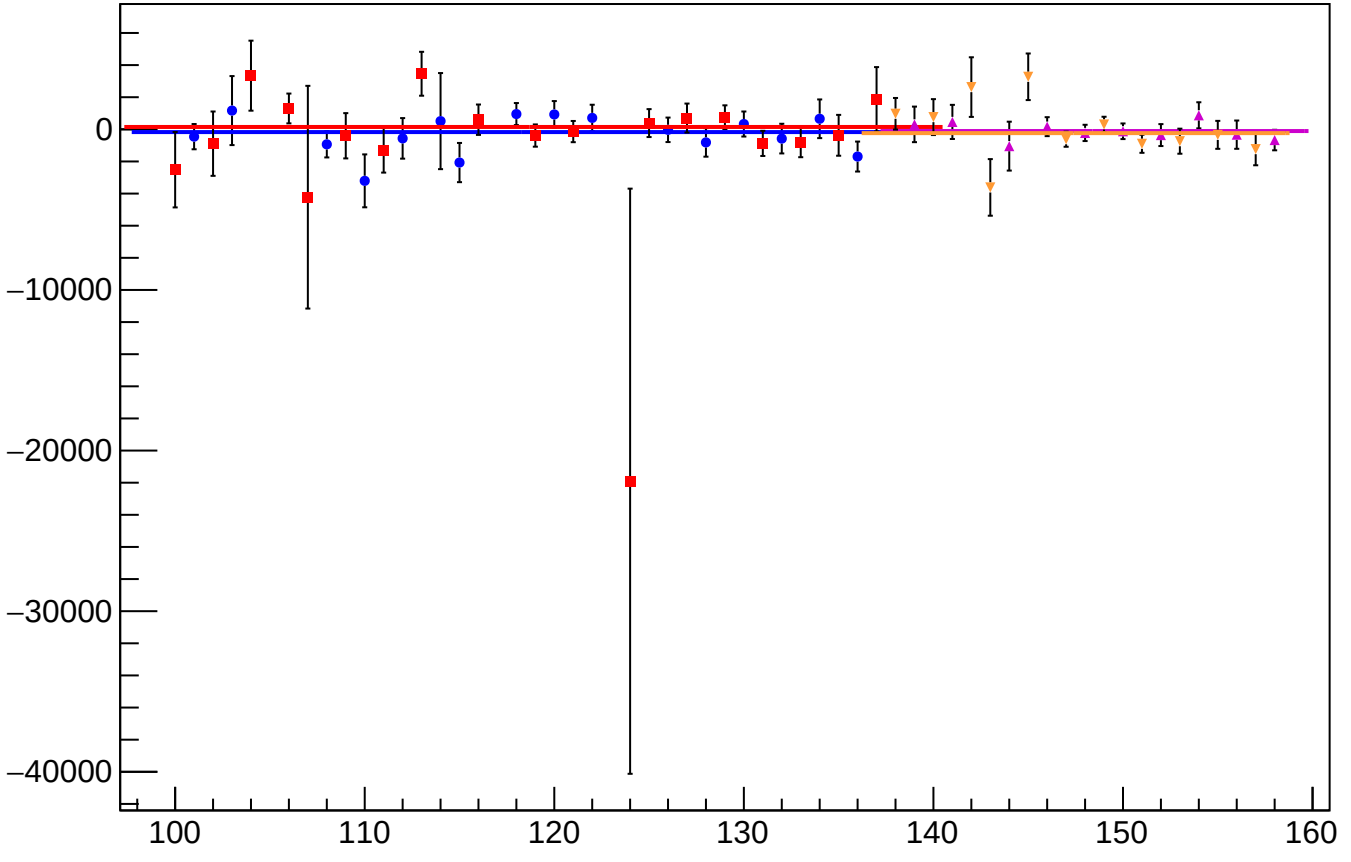
Left In: 1818.007+/-0.435 χ^2/NDF:1704.6/9

+ sign 1830.020+/-0.329 χ^2/NDF: 896047.7/26

All: 1854.924+/-0.234 χ^2/NDF: 1304939.6/55

- sign 1880.630+/-0.334 χ^2/NDF: 397235.9/28

asym_at1_avg_dit_correction_mean vs Slug



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: -235.651+/-230.175 χ^2/NDF:18.9/10

Right Out: 147.489+/-242.848 χ^2/NDF: 20.1/18

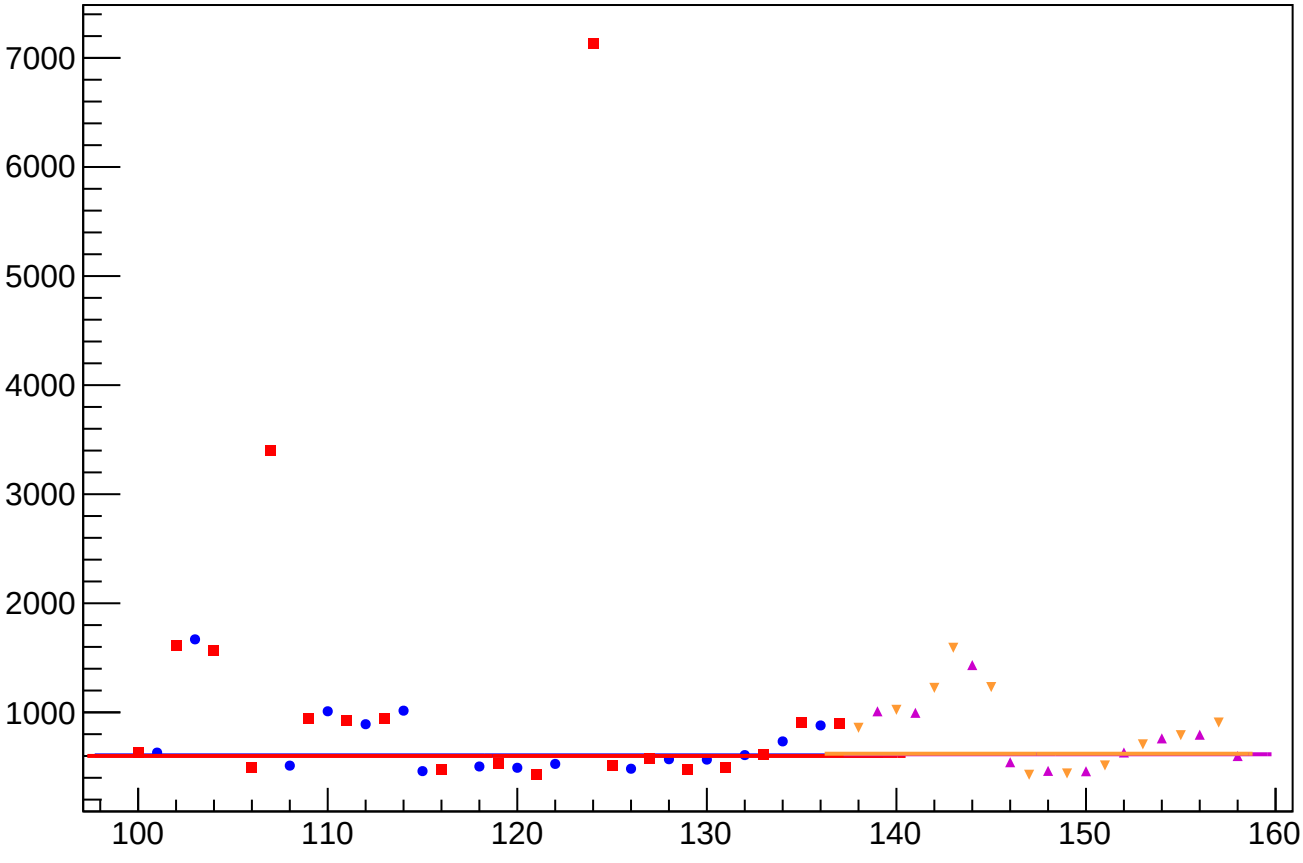
Left In: -106.780+/-220.688 χ^2/NDF:3.5/9

+ sign -204.148+/-165.089 χ^2/NDF: 36.2/26

All: -96.819+/-116.106 χ^2/NDF: 61.2/55

- sign 8.227+/-163.323 χ^2/NDF: 24.2/28

asym_at1_avg_dit_correction_rms vs Slug



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 620.754+/-0.163 χ^2/NDF:2503415.9/10

Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

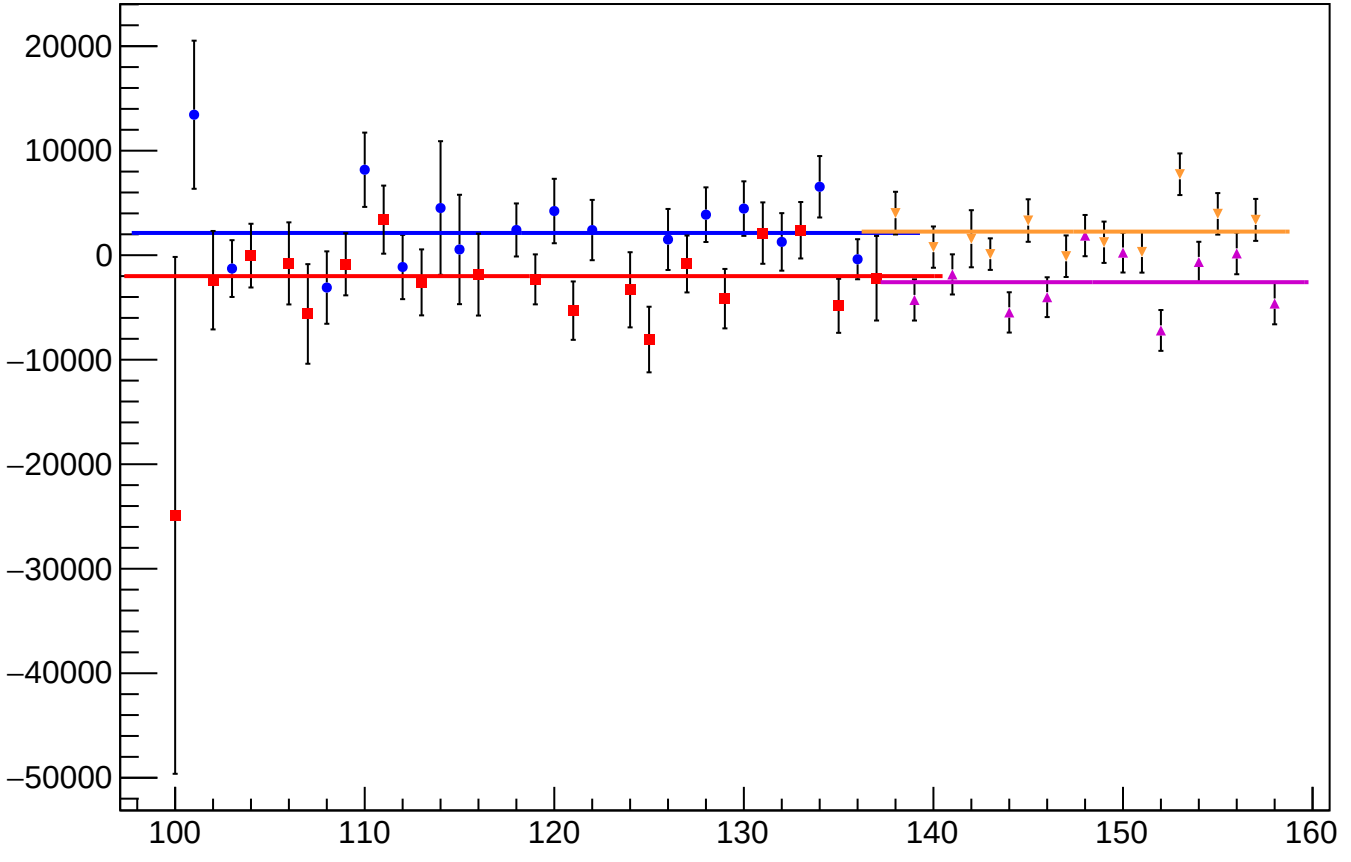
Left In: 615.704+/-0.156 χ^2/NDF:1651969.3/9

+ sign 613.313+/-0.117 χ^2/NDF: 3670175.2/26

All: 611.034+/-0.082 χ^2/NDF: 7655746.2/55

- sign 608.803+/-0.115 χ^2/NDF: 3984816.8/28

eigen_dit_asym_at1_avg_mean vs Slug



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 2257.124+/-594.617 χ^2/NDF:15.0/10

Right Out: -2002.218+/-737.195 χ^2/NDF: 16.7/18

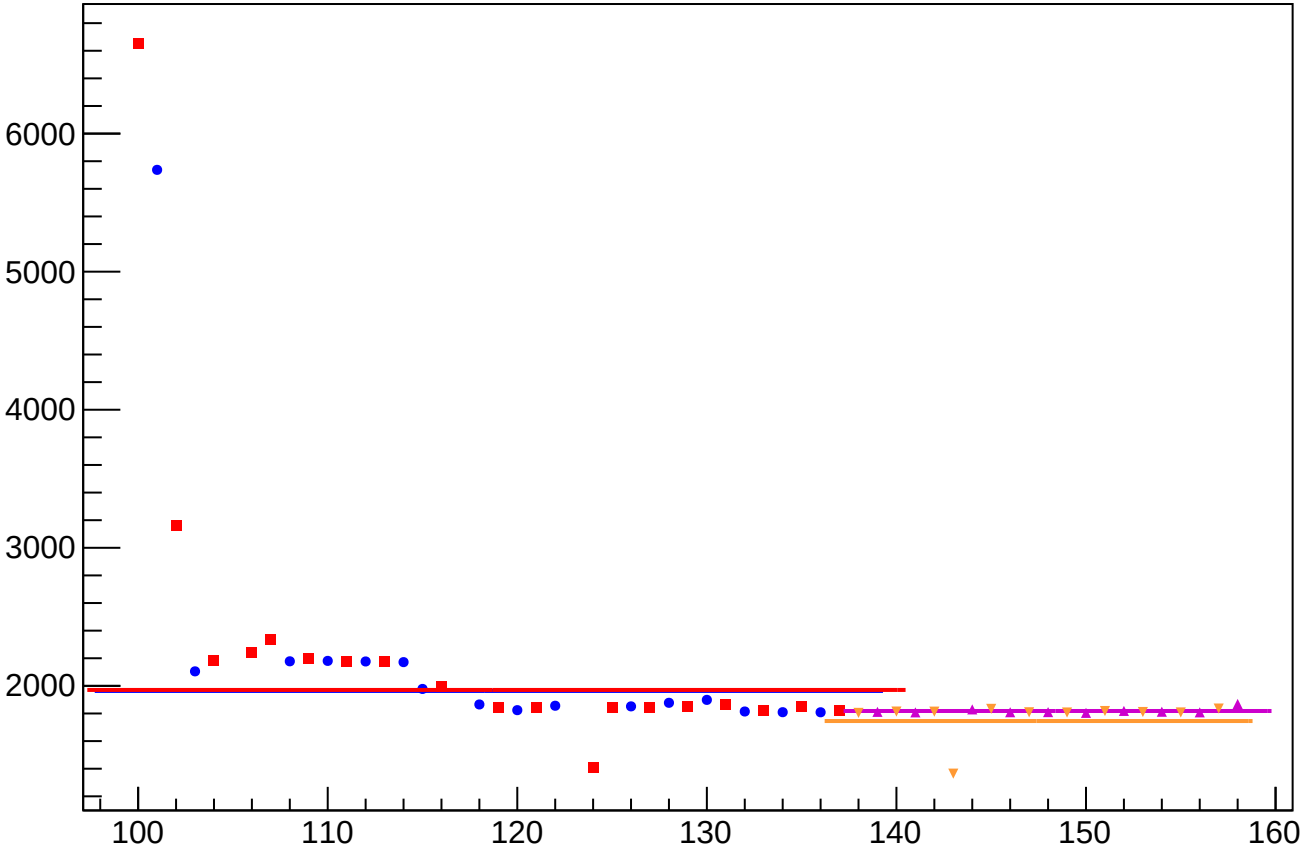
Left In: -2581.944+/-615.519 χ^2/NDF:20.6/9

+ sign 2207.269+/-465.039 χ^2/NDF: 31.5/26

All: -32.155+/-331.432 χ^2/NDF: 116.3/55

- sign -2343.808+/-472.480 χ^2/NDF: 37.7/28

eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1745.326+/-0.420 χ^2/NDF:151311.3/10

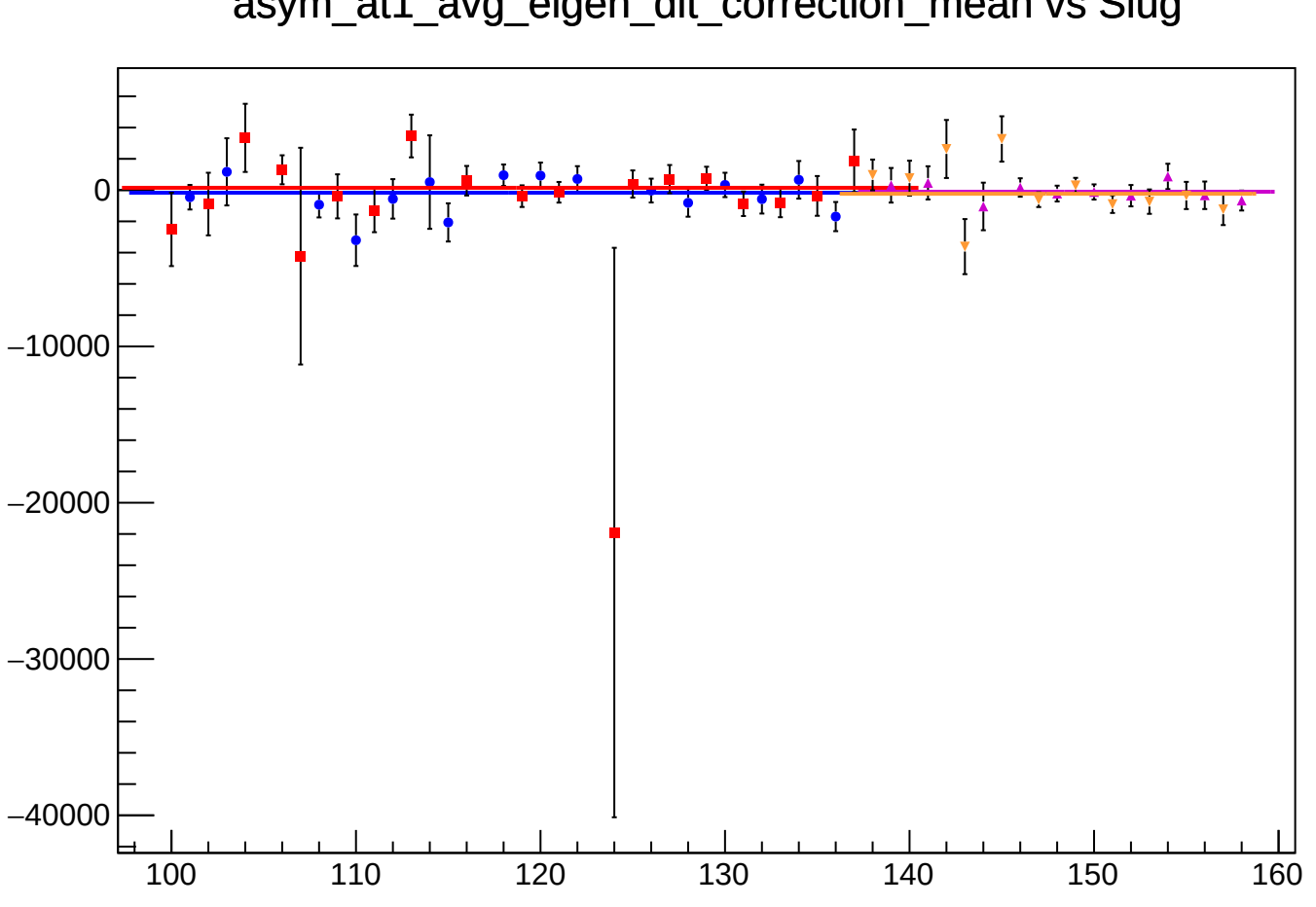
Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1818.007+/-0.435 χ^2/NDF:1704.6/9

+ sign 1830.020+/-0.329 χ^2/NDF: 896047.2/26

All: 1854.924+/-0.234 χ^2/NDF: 1304937.6/55

- sign 1880.630+/-0.334 χ^2/NDF: 397234.4/28



Right In: -170.773+/-236.912 χ^2/NDF: 17.2/15

Left Out: -235.651+/-230.175 χ^2/NDF:18.9/10

Right Out: 147.489+/-242.847 χ^2/NDF: 20.1/18

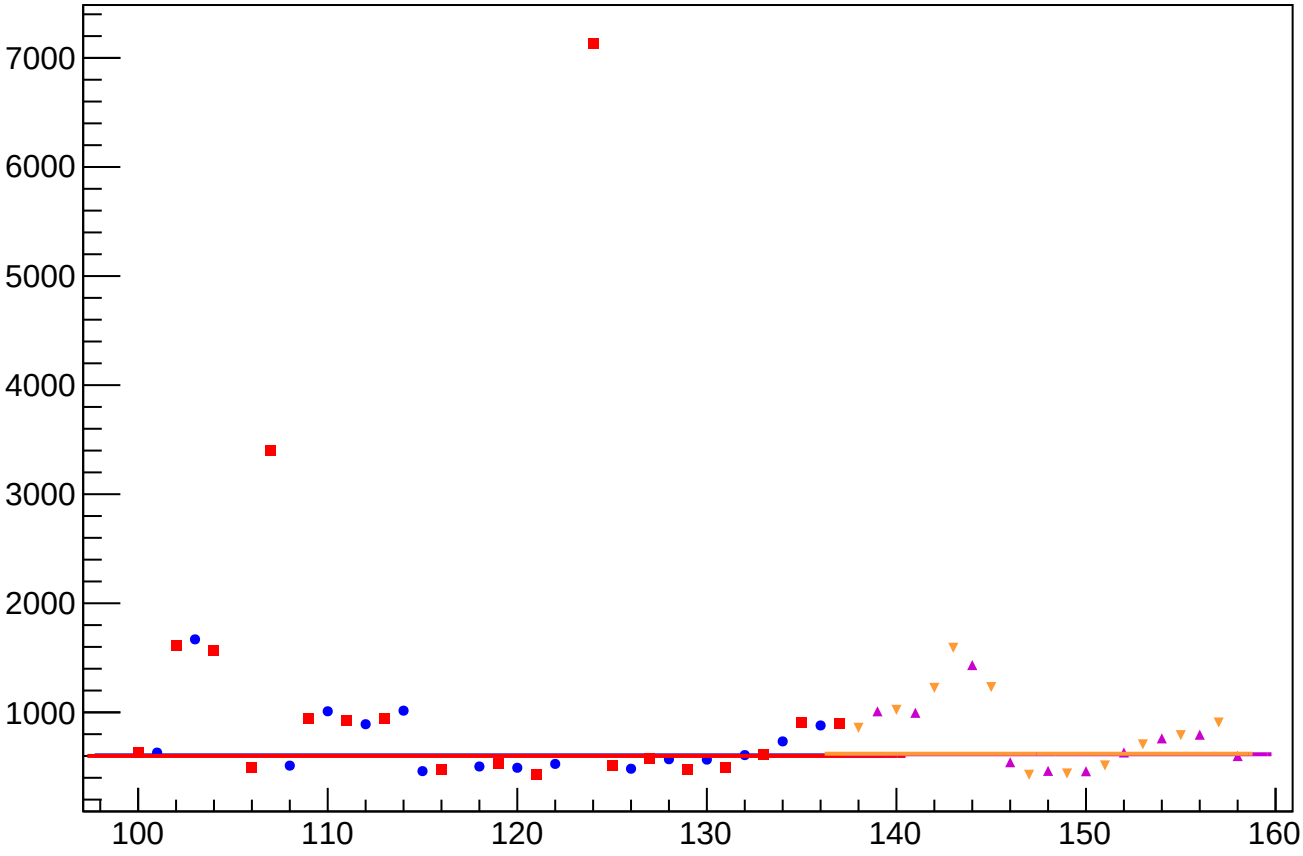
Left In: -106.780+/-220.688 χ^2/NDF:3.5/9

\+ sign -204.147+/-165.089 χ^2/NDF: 36.2/26

All: -96.819+/-116.106 χ^2/NDF: 61.2/55

\- sign 8.227+/-163.324 χ^2/NDF: 24.2/28

asym_at1_avg_eigen_dit_correction_rms vs Slug



Right In: 605.429+/-0.168 χ^2/NDF: 1162462.4/15

Left Out: 620.755+/-0.163 χ^2/NDF:2503407.6/10

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

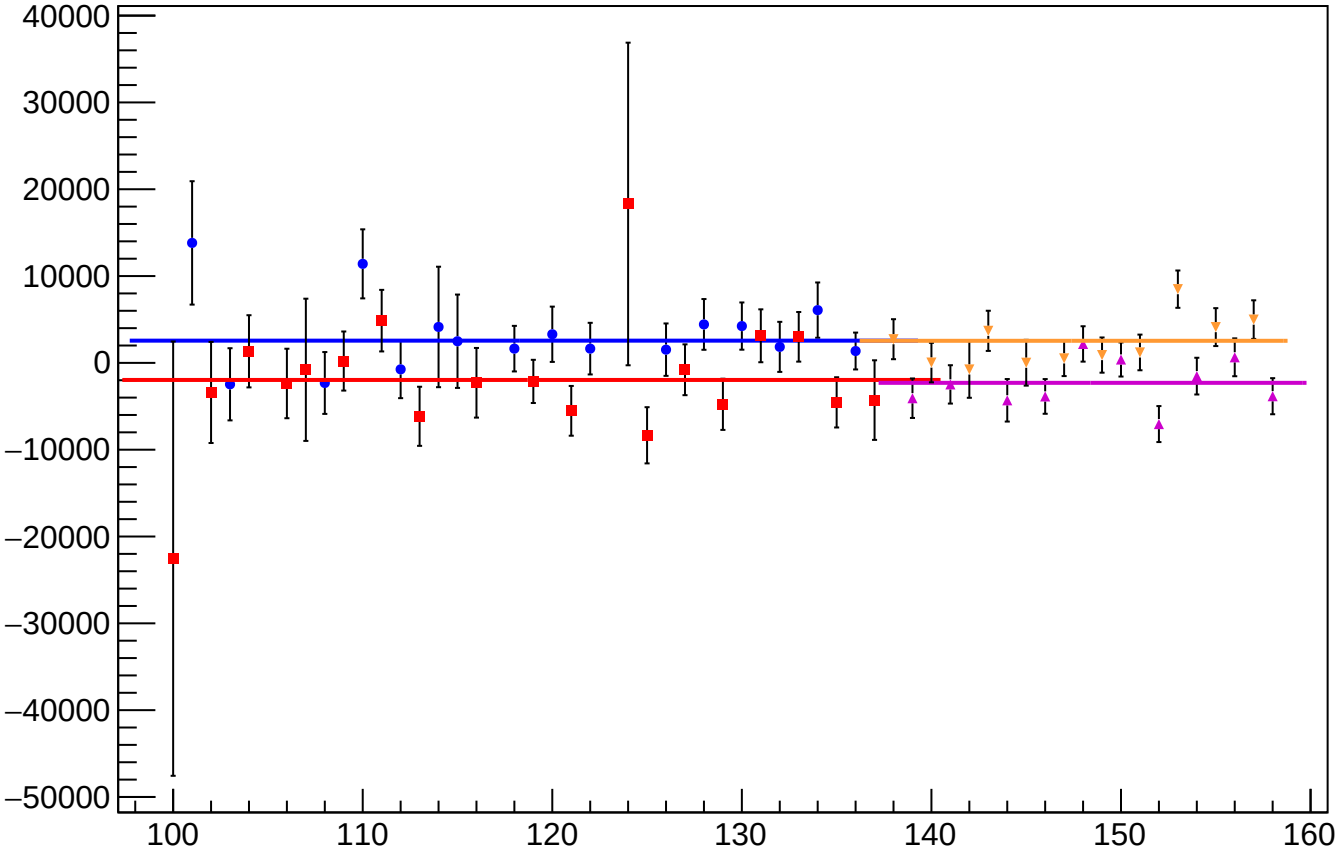
Left In: 615.705+/-0.156 χ^2/NDF:1651964.0/9

+ sign 613.313+/-0.117 χ^2/NDF: 3670175.9/26

All: 611.034+/-0.082 χ^2/NDF: 7655750.6/55

- sign 608.803+/-0.115 χ^2/NDF: 3984820.5/28

asym_at1_avg_mean vs Slug



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 2543.639+/-681.130 χ^2/NDF:14.9/10

Right Out: -1966.731+/-818.839 χ^2/NDF: 21.6/18

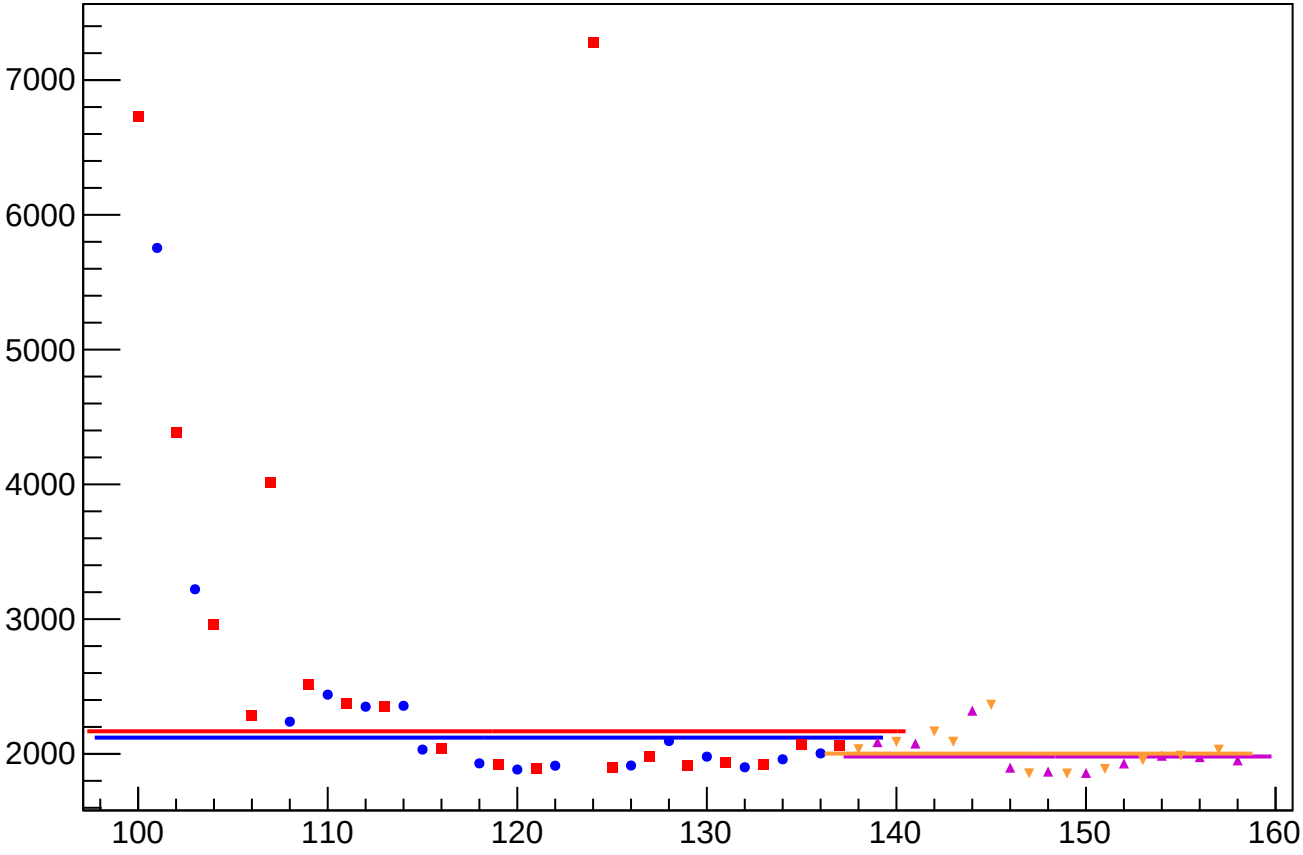
Left In: -2298.945+/-672.069 χ^2/NDF:16.4/9

+ sign 2550.822+/-521.222 χ^2/NDF: 29.5/26

All: 184.975+/-367.948 χ^2/NDF: 108.6/55

- sign -2165.228+/-519.496 χ^2/NDF: 38.0/28

asym_at1_avg_rms vs Slug



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 2002.104+/-0.482 χ^2/NDF:77678.2/10

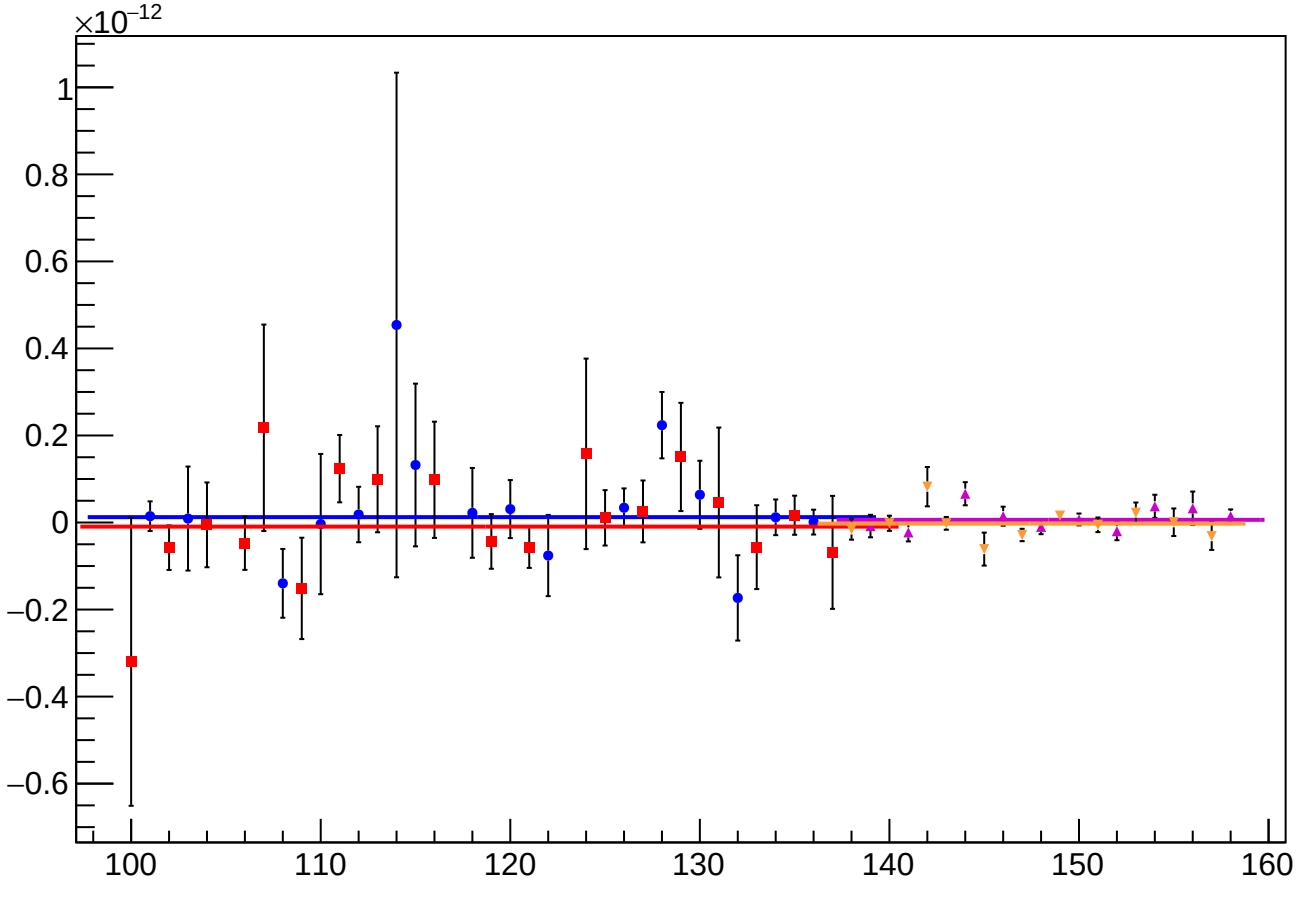
Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

Left In: 1980.524+/-0.475 χ^2/NDF:65629.0/9

+ sign 2051.285+/-0.369 χ^2/NDF: 862807.8/26

All: 2053.610+/-0.260 χ^2/NDF: 1814976.0/55

- sign 2055.919+/-0.367 χ^2/NDF: 952088.9/28



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.1/10

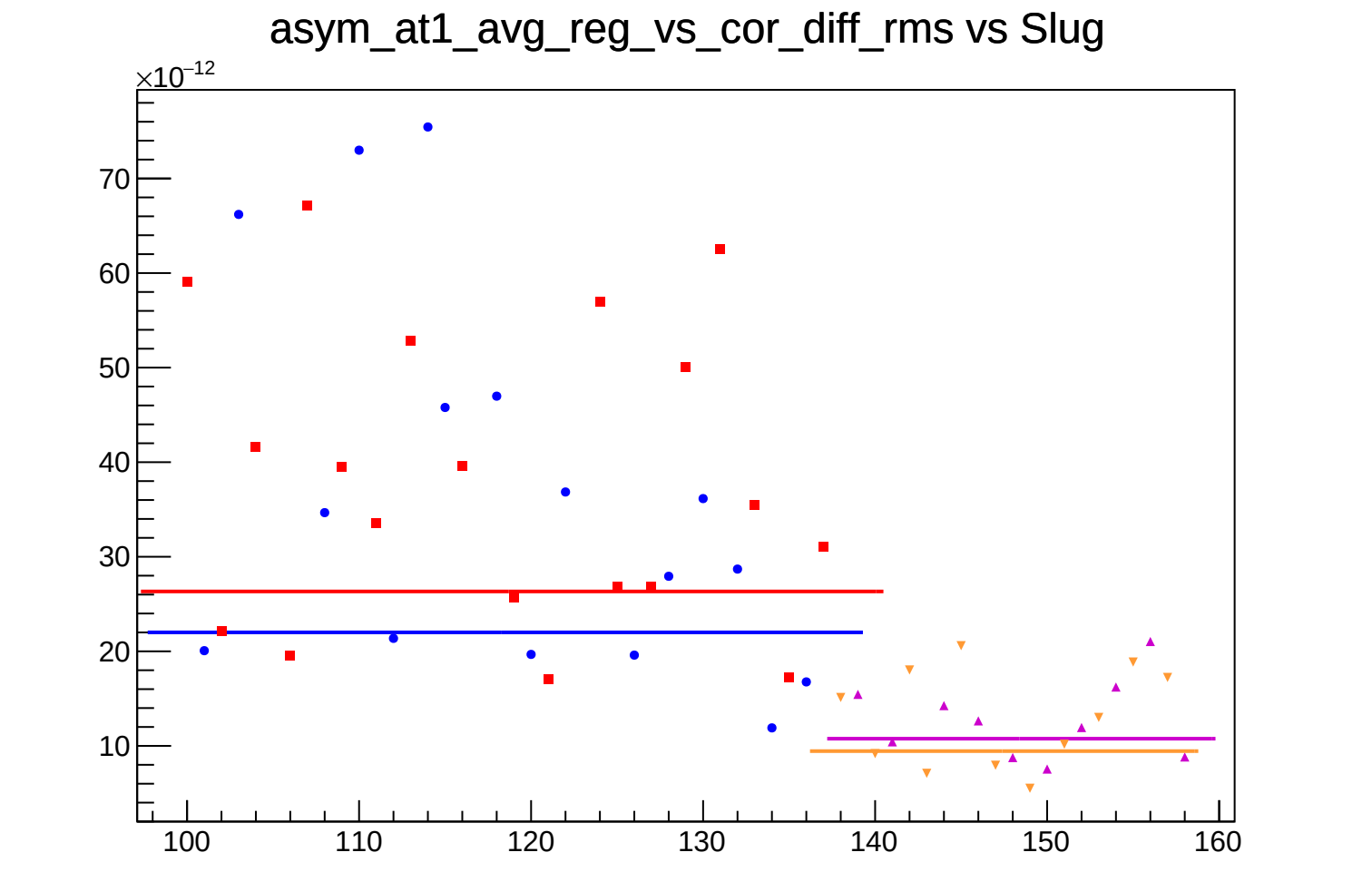
Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:12.1/9

+ sign -0.000+/-0.000 χ^2/NDF: 32.8/26

All: 0.000+/-0.000 χ^2/NDF: 59.7/55

- sign 0.000+/-0.000 χ^2/NDF: 26.5/28



Right In: 0.000+/-0.000 χ^2/NDF: 1032604.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1011517.5/10

Right Out: 0.000+/-0.000 χ^2/NDF: 705211.2/18

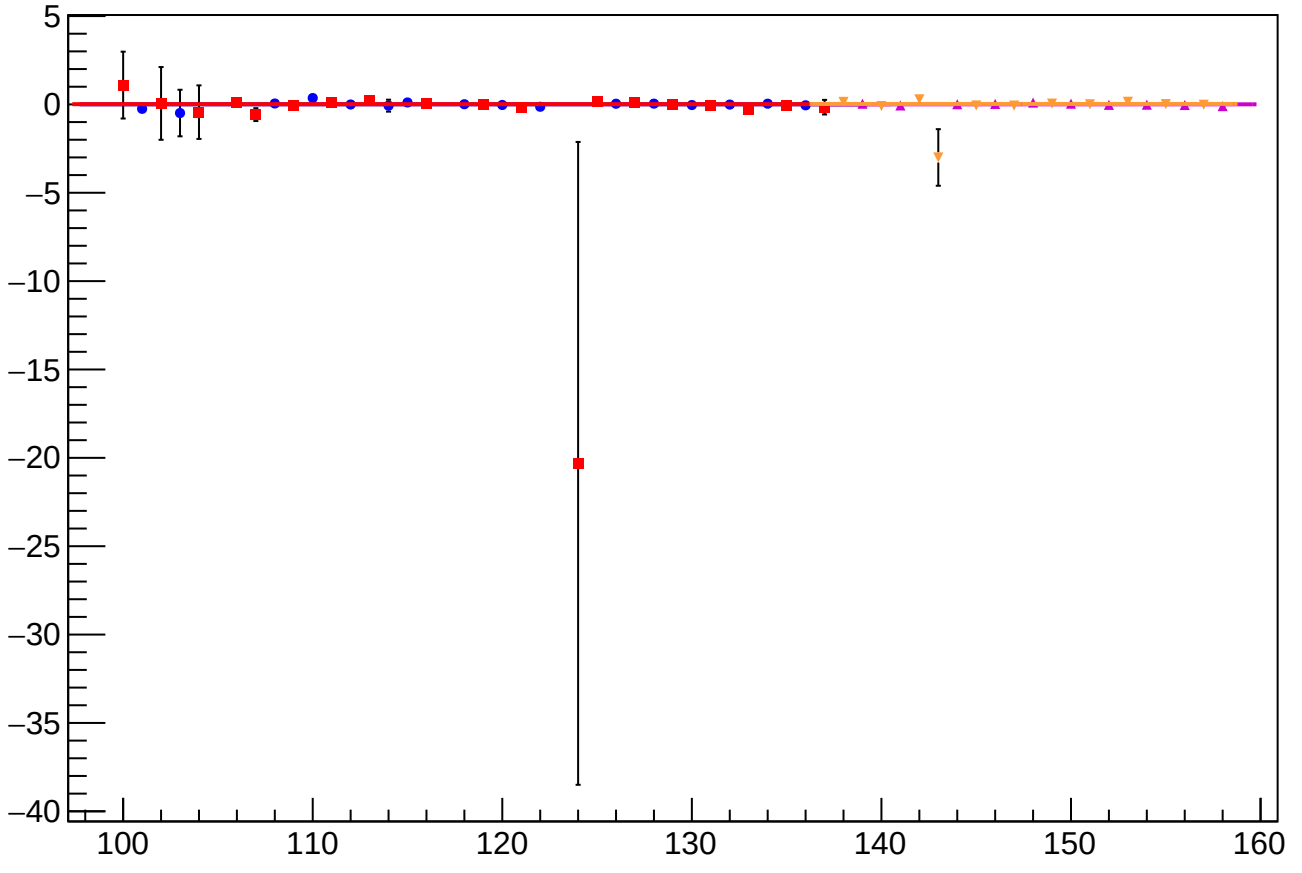
Left In: 0.000+/-0.000 χ^2/NDF:520098.9/9

+ sign 0.000+/-0.000 χ^2/NDF: 3307380.3/26

All: 0.000+/-0.000 χ^2/NDF: 5919364.1/55

- sign 0.000+/-0.000 χ^2/NDF: 2552258.7/28

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.025+/-0.020 χ^2/NDF:21.1/10

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

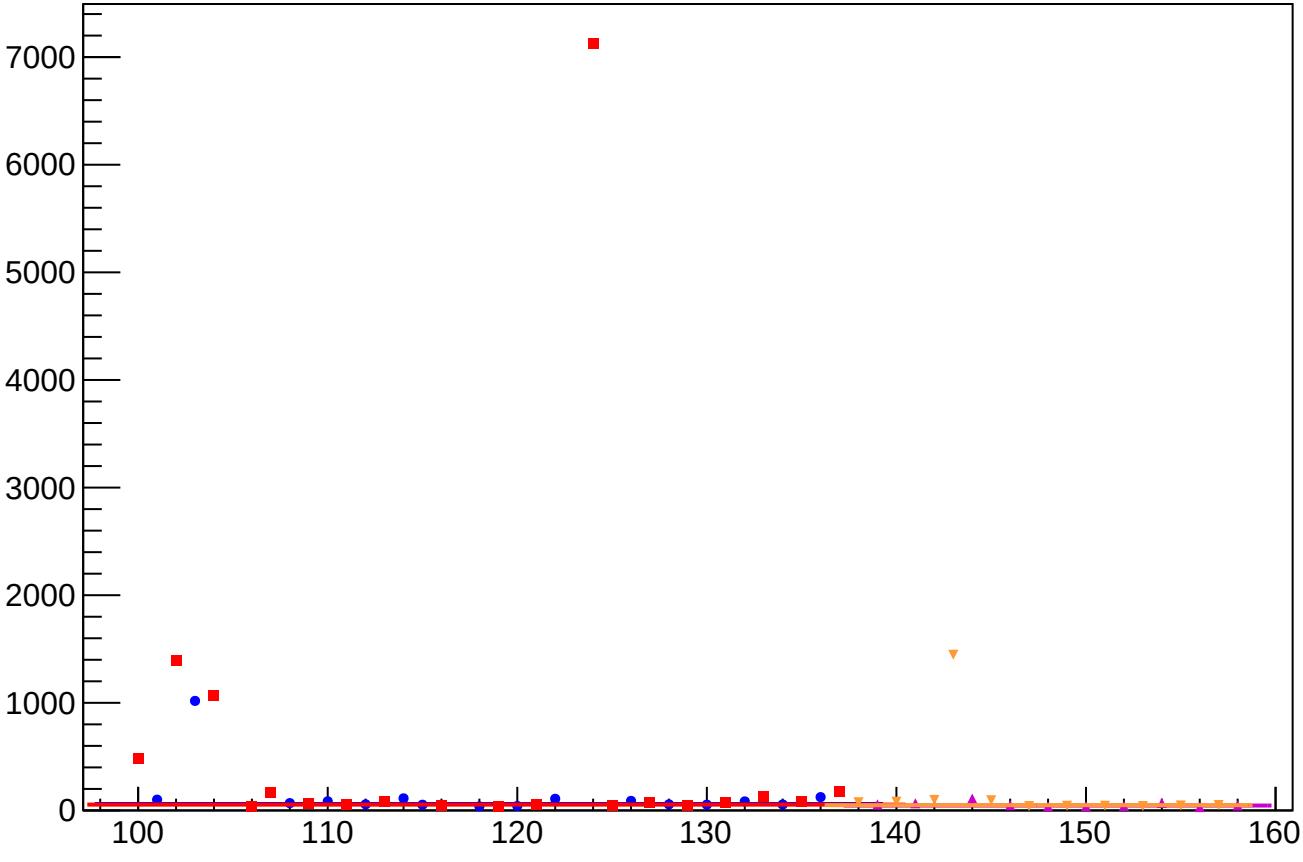
Left In: 0.004+/-0.018 χ^2/NDF:11.2/9

+ sign 0.018+/-0.016 χ^2/NDF: 32.9/26

All: 0.012+/-0.011 χ^2/NDF: 62.1/55

- sign 0.007+/-0.015 χ^2/NDF: 28.9/28

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 49.036+/-0.014 χ^2/NDF:2621303.9/10

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

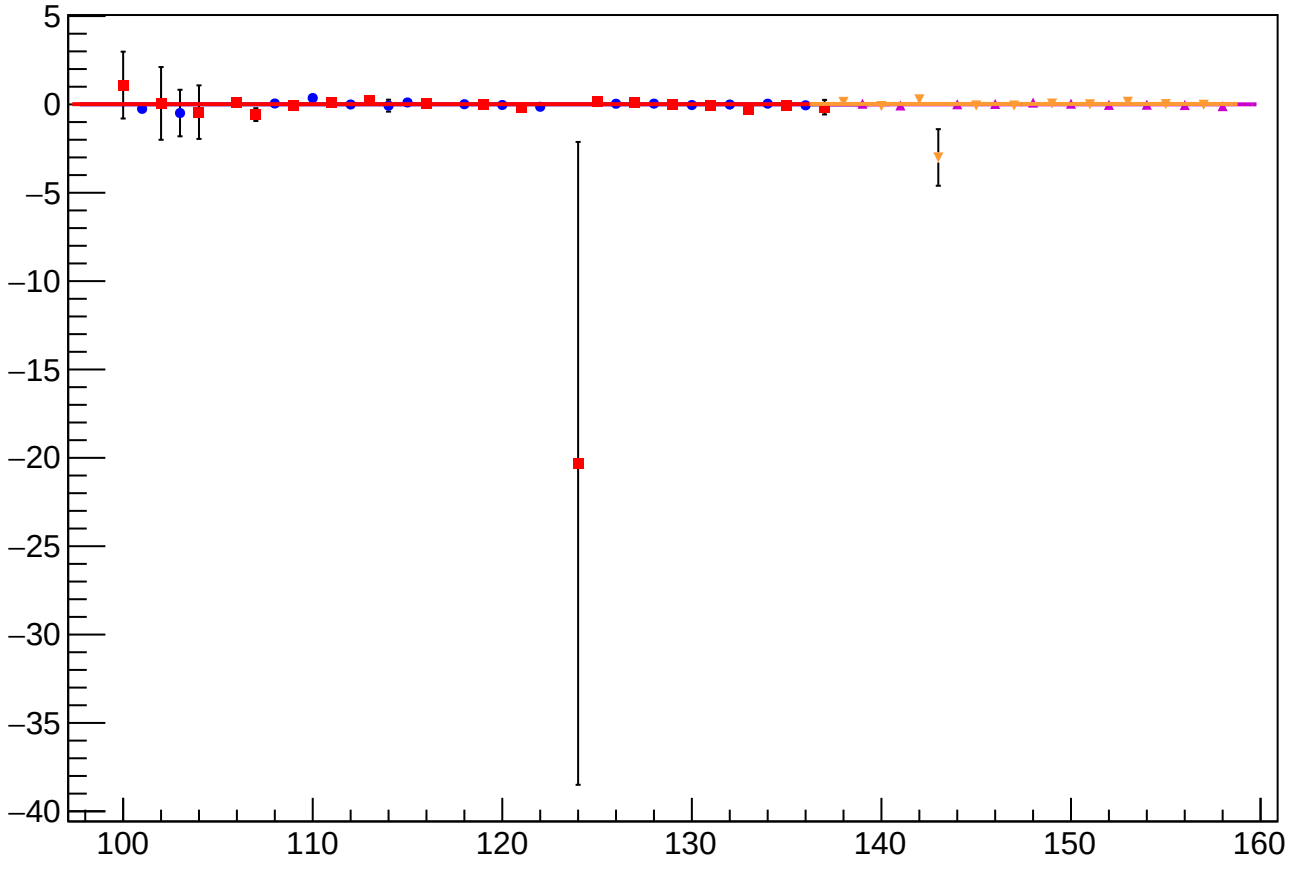
Left In: 45.594+/-0.012 χ^2/NDF:1327617.9/9

+ sign 52.856+/-0.011 χ^2/NDF: 5371574.4/26

All: 50.393+/-0.008 χ^2/NDF: 10462681.4/55

- sign 48.334+/-0.010 χ^2/NDF: 5002868.3/28

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.025+/-0.020 χ^2/NDF:21.1/10

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

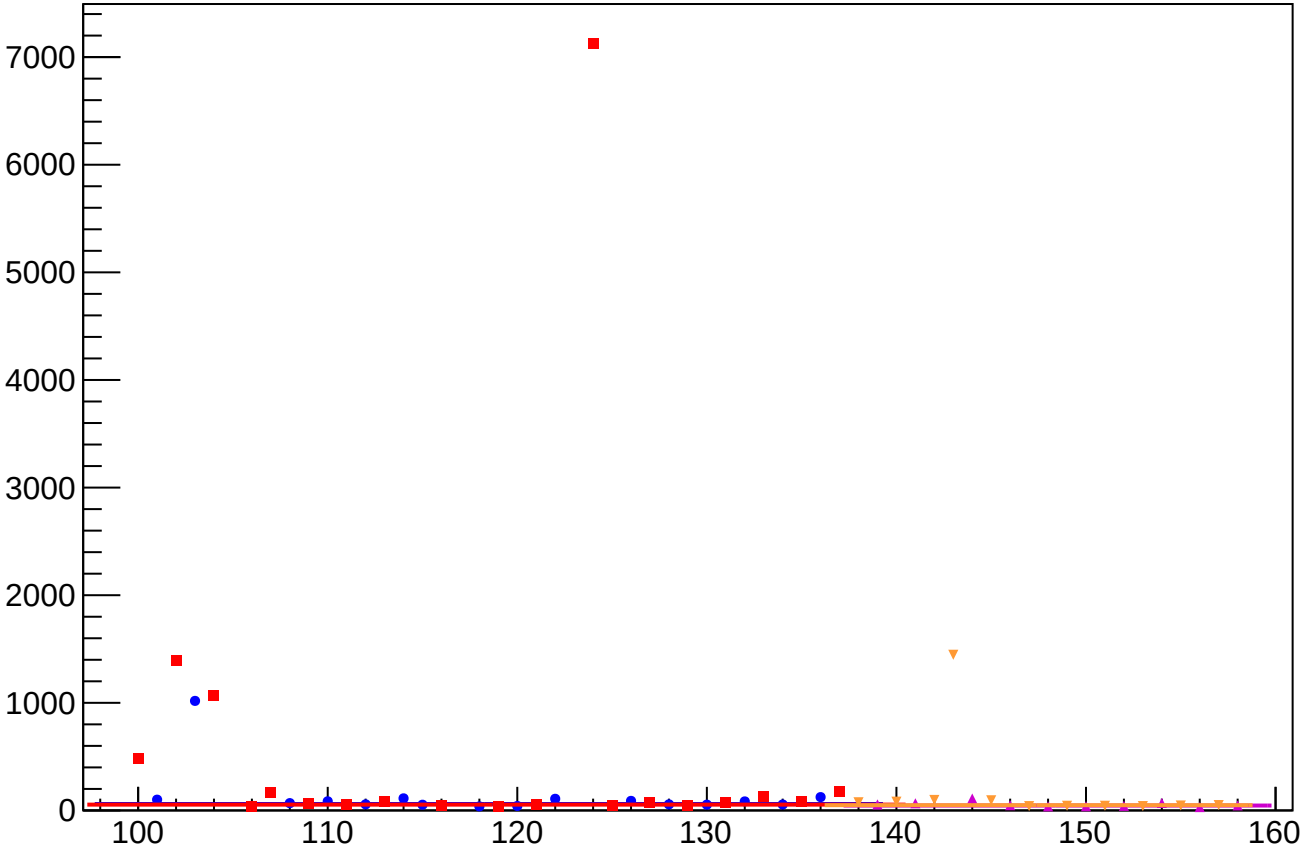
Left In: 0.004+/-0.018 χ^2/NDF:11.2/9

+ sign 0.018+/-0.016 χ^2/NDF: 32.9/26

All: 0.012+/-0.011 χ^2/NDF: 62.1/55

- sign 0.007+/-0.015 χ^2/NDF: 28.9/28

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 49.036+/-0.014 χ^2/NDF:2621303.9/10

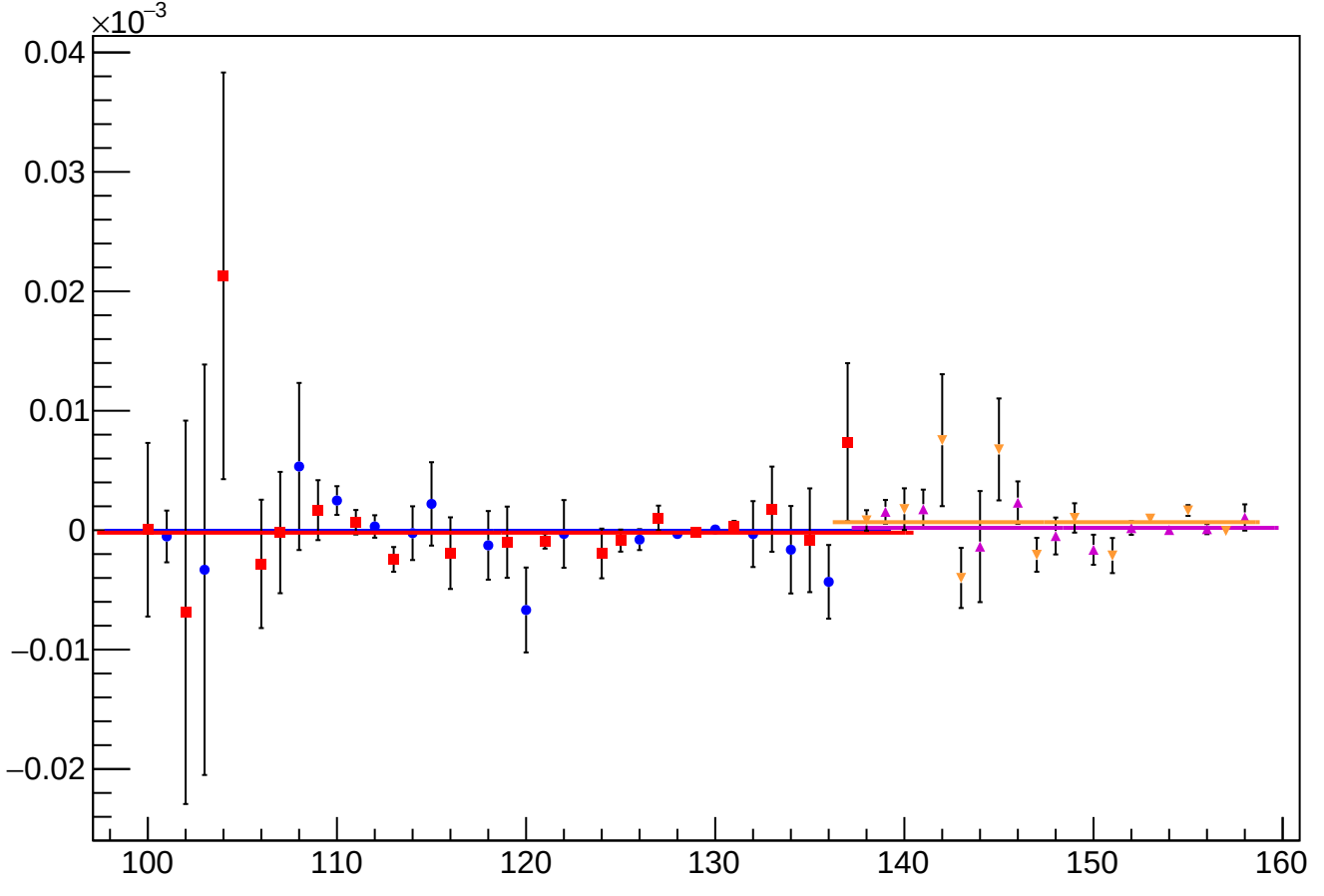
Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.594+/-0.012 χ^2/NDF:1327617.9/9

+ sign 52.856+/-0.011 χ^2/NDF: 5371574.4/26

All: 50.393+/-0.008 χ^2/NDF: 10462681.4/55

- sign 48.334+/-0.010 χ^2/NDF: 5002868.3/28



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.5/10

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

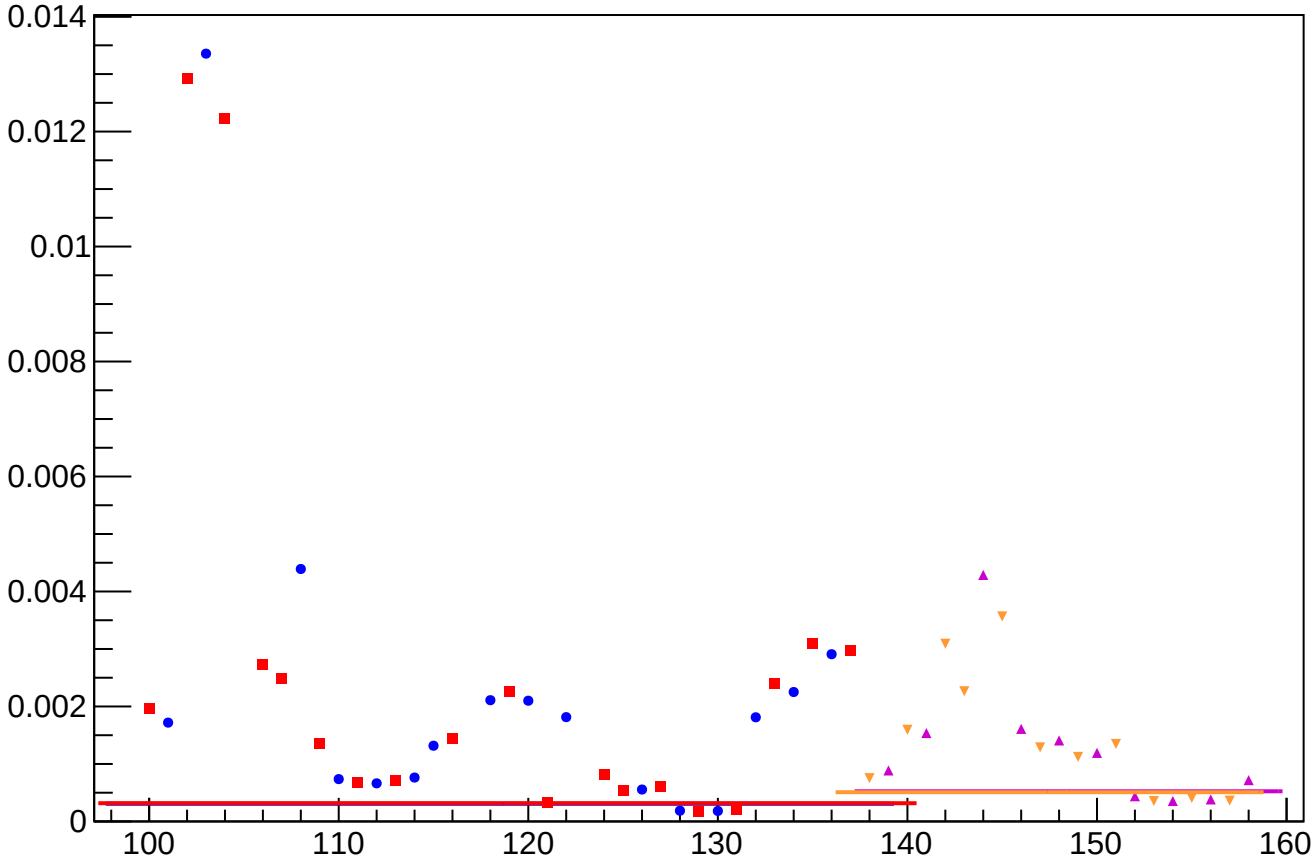
Left In: 0.000+/-0.000 χ^2/NDF:7.5/9

+ sign 0.000+/-0.000 χ^2/NDF: 42.5/26

All: 0.000+/-0.000 χ^2/NDF: 69.7/55

- sign -0.000+/-0.000 χ^2/NDF: 24.9/28

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8756212.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:5803800.0/10

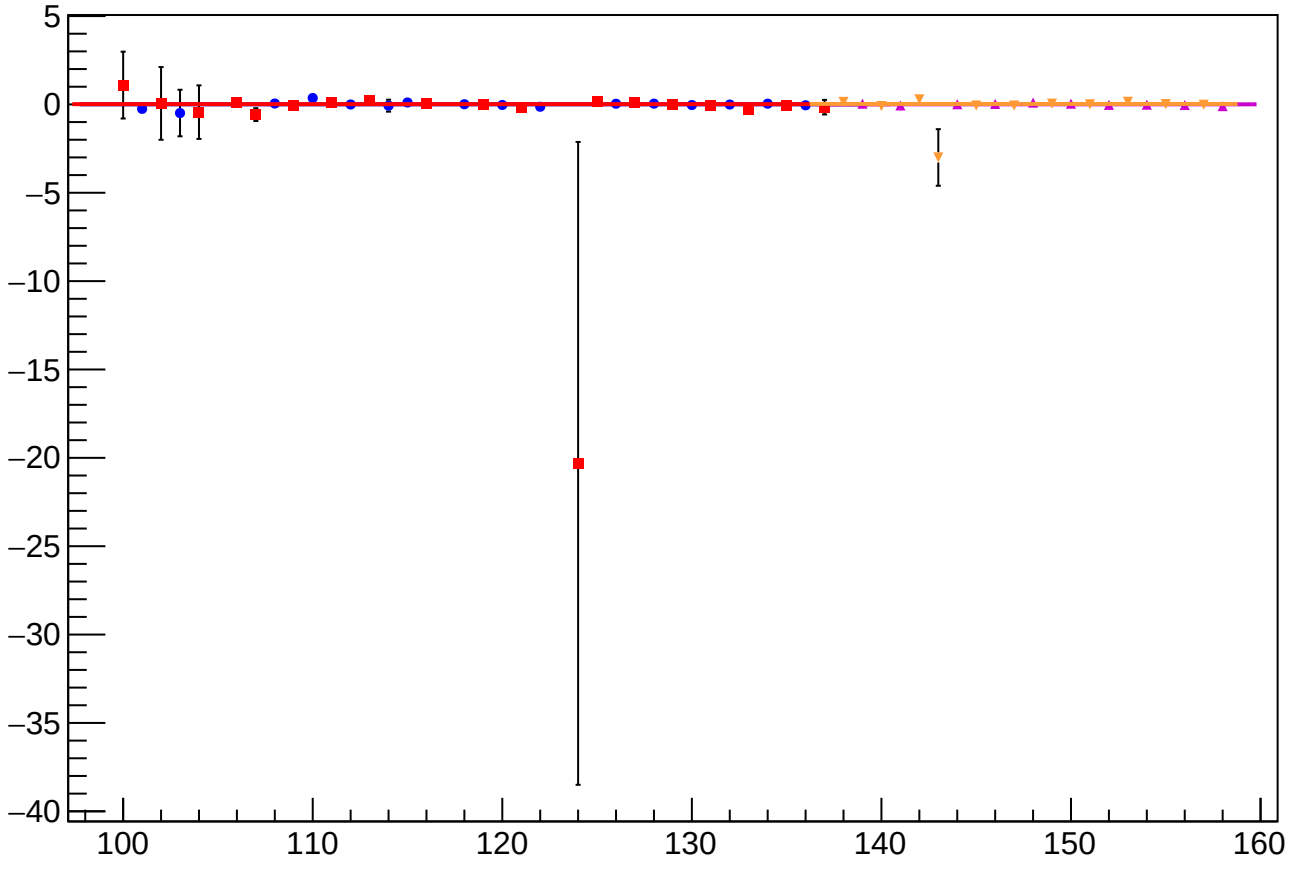
Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:5023613.8/9

+ sign 0.000+/-0.000 χ^2/NDF: 15509750.7/26

All: 0.000+/-0.000 χ^2/NDF: 29514574.1/55

- sign 0.000+/-0.000 χ^2/NDF: 14002891.1/28



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.025+/-0.020 χ^2/NDF:21.1/10

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

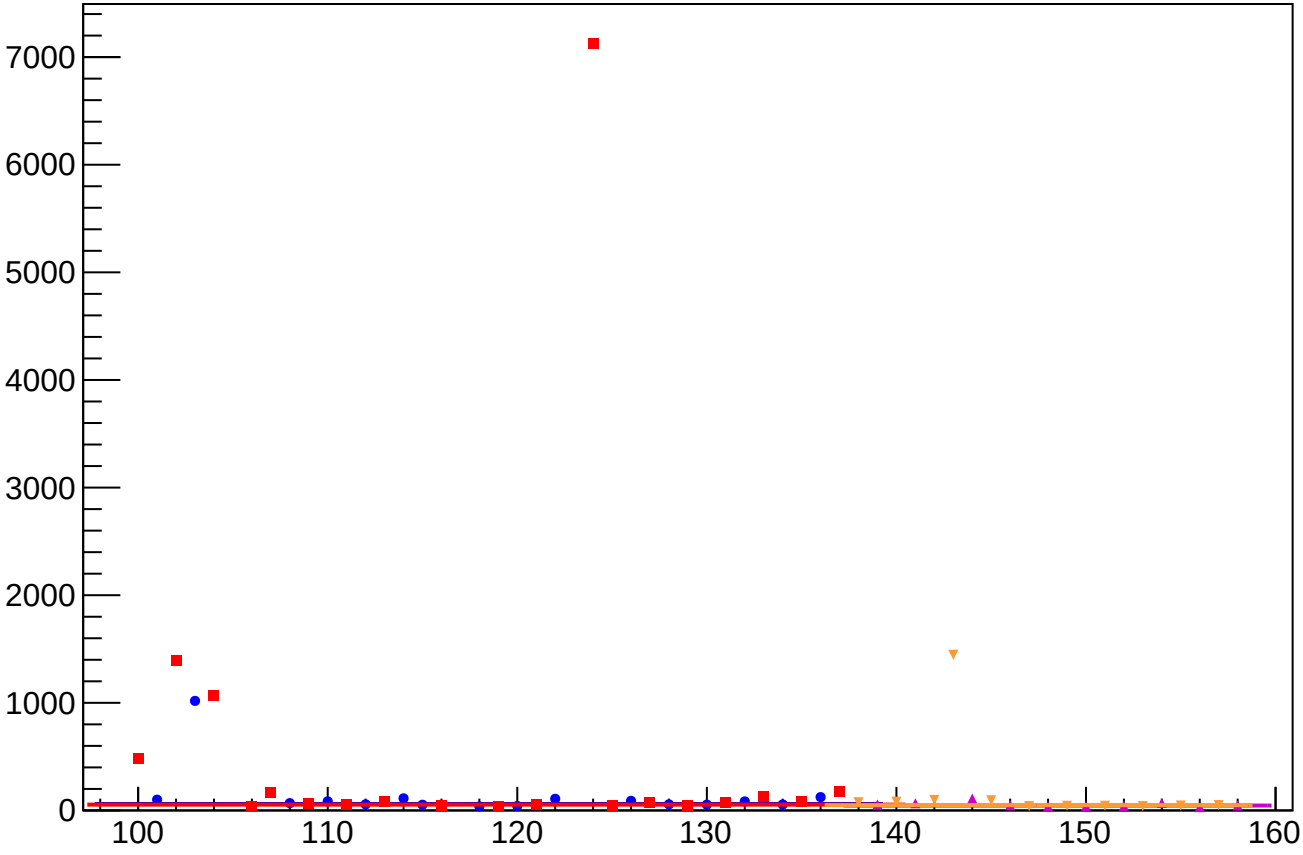
Left In: 0.004+/-0.018 χ^2/NDF:11.2/9

+ sign 0.018+/-0.016 χ^2/NDF: 32.9/26

All: 0.012+/-0.011 χ^2/NDF: 62.1/55

- sign 0.007+/-0.015 χ^2/NDF: 28.9/28

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 49.036+/-0.014 χ^2/NDF:2621287.5/10

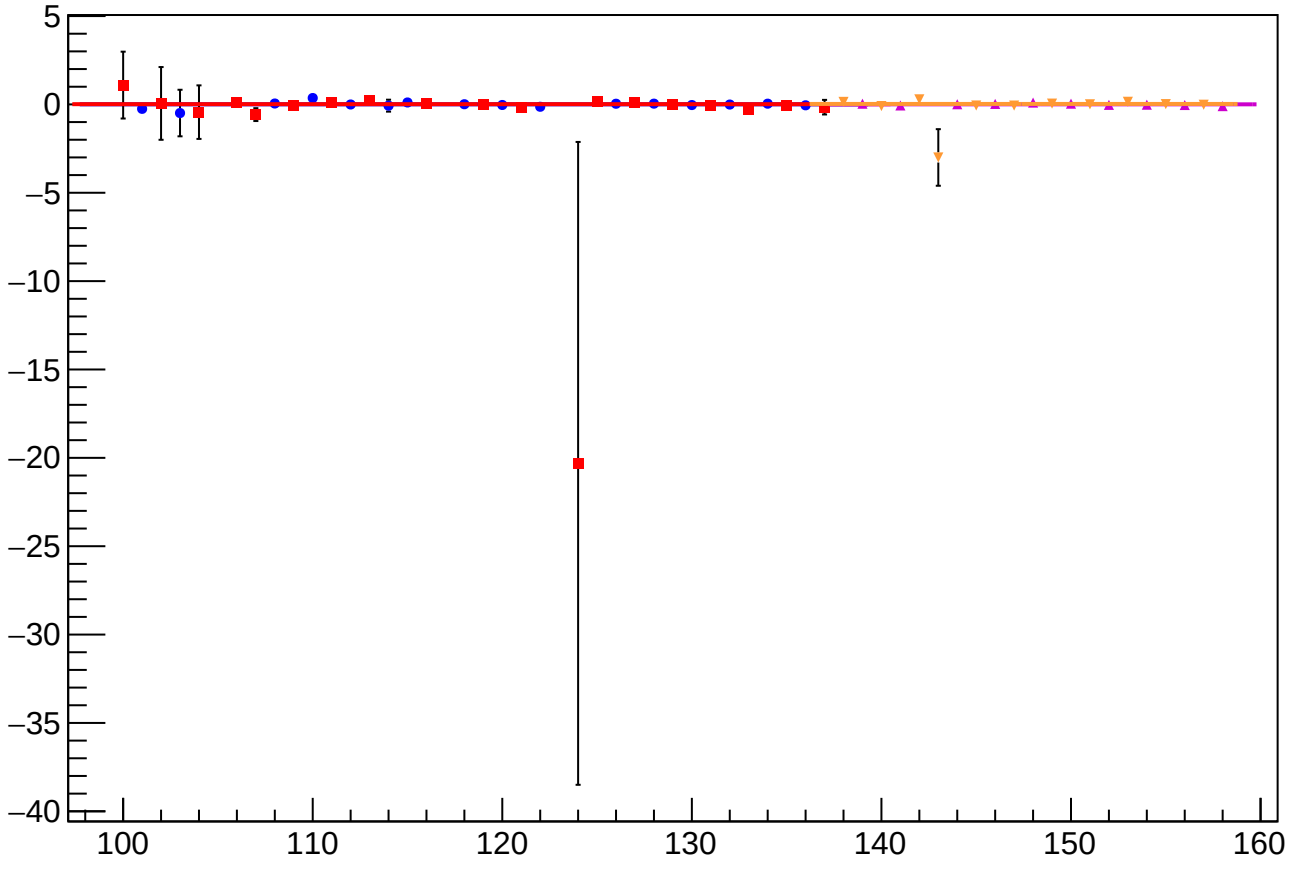
Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 45.594+/-0.012 χ^2/NDF:1327634.0/9

+ sign 52.856+/-0.011 χ^2/NDF: 5371556.9/26

All: 50.393+/-0.008 χ^2/NDF: 10462727.2/55

- sign 48.334+/-0.010 χ^2/NDF: 5002914.1/28



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.025+/-0.020 χ^2/NDF:21.1/10

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

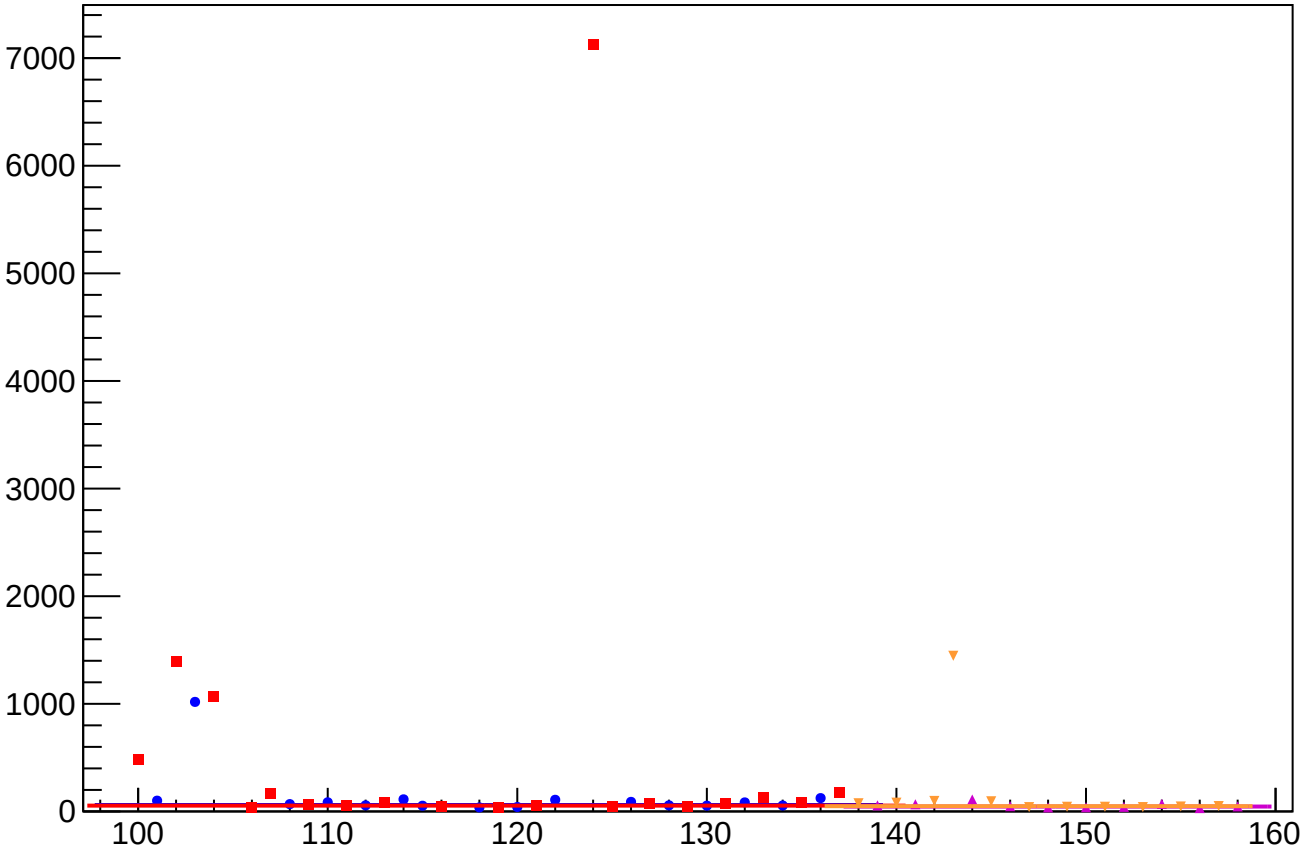
Left In: 0.004+/-0.018 χ^2/NDF:11.2/9

+ sign 0.018+/-0.016 χ^2/NDF: 32.9/26

All: 0.012+/-0.011 χ^2/NDF: 62.1/55

- sign 0.007+/-0.015 χ^2/NDF: 28.9/28

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 49.036+/-0.014 χ^2/NDF:2621287.5/10

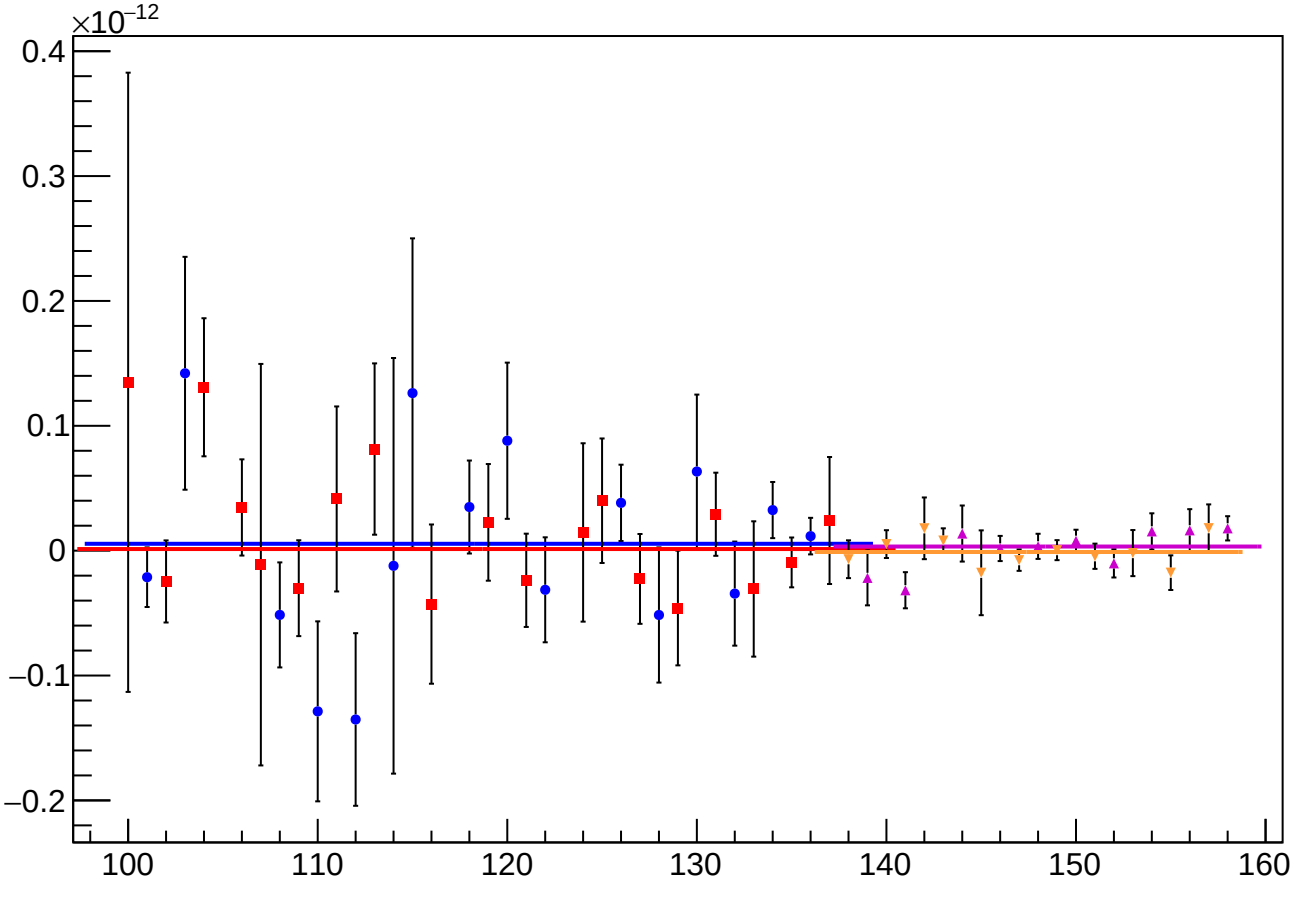
Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 45.594+/-0.012 χ^2/NDF:1327634.0/9

+ sign 52.856+/-0.011 χ^2/NDF: 5371556.9/26

All: 50.393+/-0.008 χ^2/NDF: 10462727.2/55

- sign 48.334+/-0.010 χ^2/NDF: 5002914.1/28



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.3/10

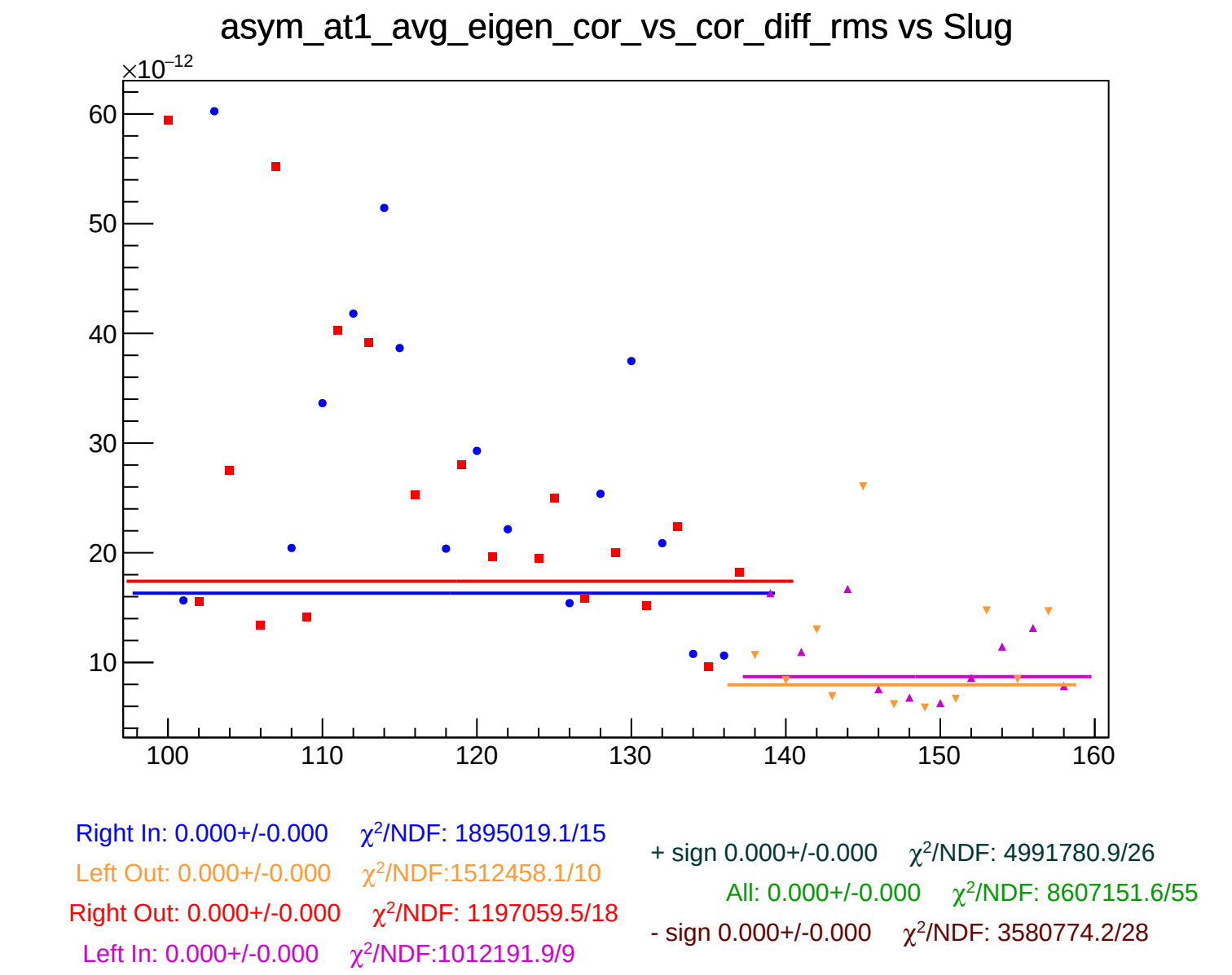
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:12.6/9

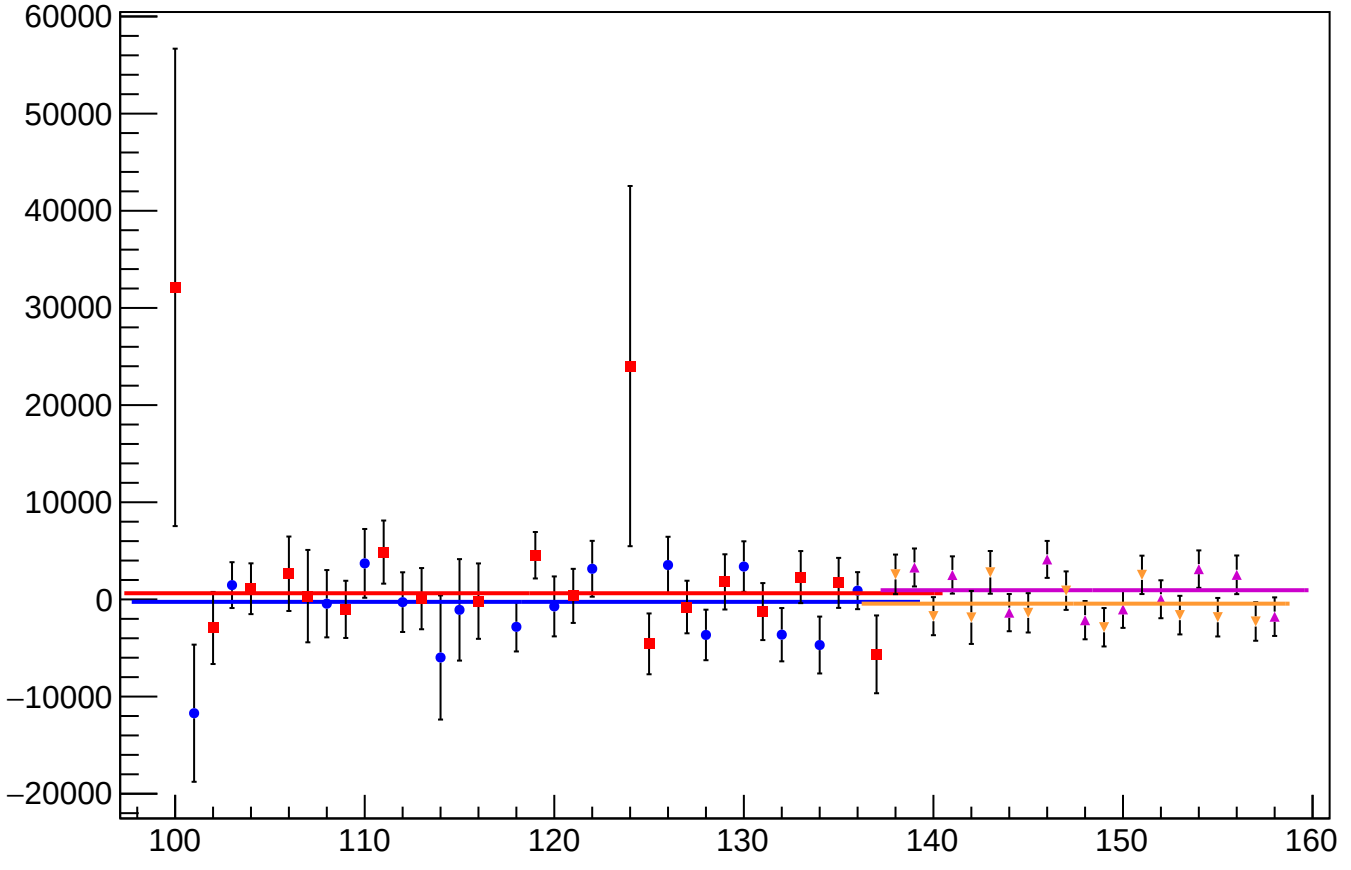
+ sign -0.000+/-0.000 χ^2/NDF: 28.4/26

All: 0.000+/-0.000 χ^2/NDF: 55.8/55

- sign 0.000+/-0.000 χ^2/NDF: 27.0/28


asym_at1_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻¹²
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1895019.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1512458.1/10
Right Out: 0.000+/-0.000 χ²/NDF: 1197059.5/18
Left In: 0.000+/-0.000 χ²/NDF:1012191.9/9
+ sign 0.000+/-0.000 χ²/NDF: 4991780.9/26
All: 0.000+/-0.000 χ²/NDF: 8607151.6/55
- sign 0.000+/-0.000 χ²/NDF: 3580774.2/28

reg_asym_at1_dd_mean vs Slug



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: -437.317+/-618.316 χ^2/NDF:11.2/10

Right Out: 636.082+/-735.477 χ^2/NDF: 15.9/18

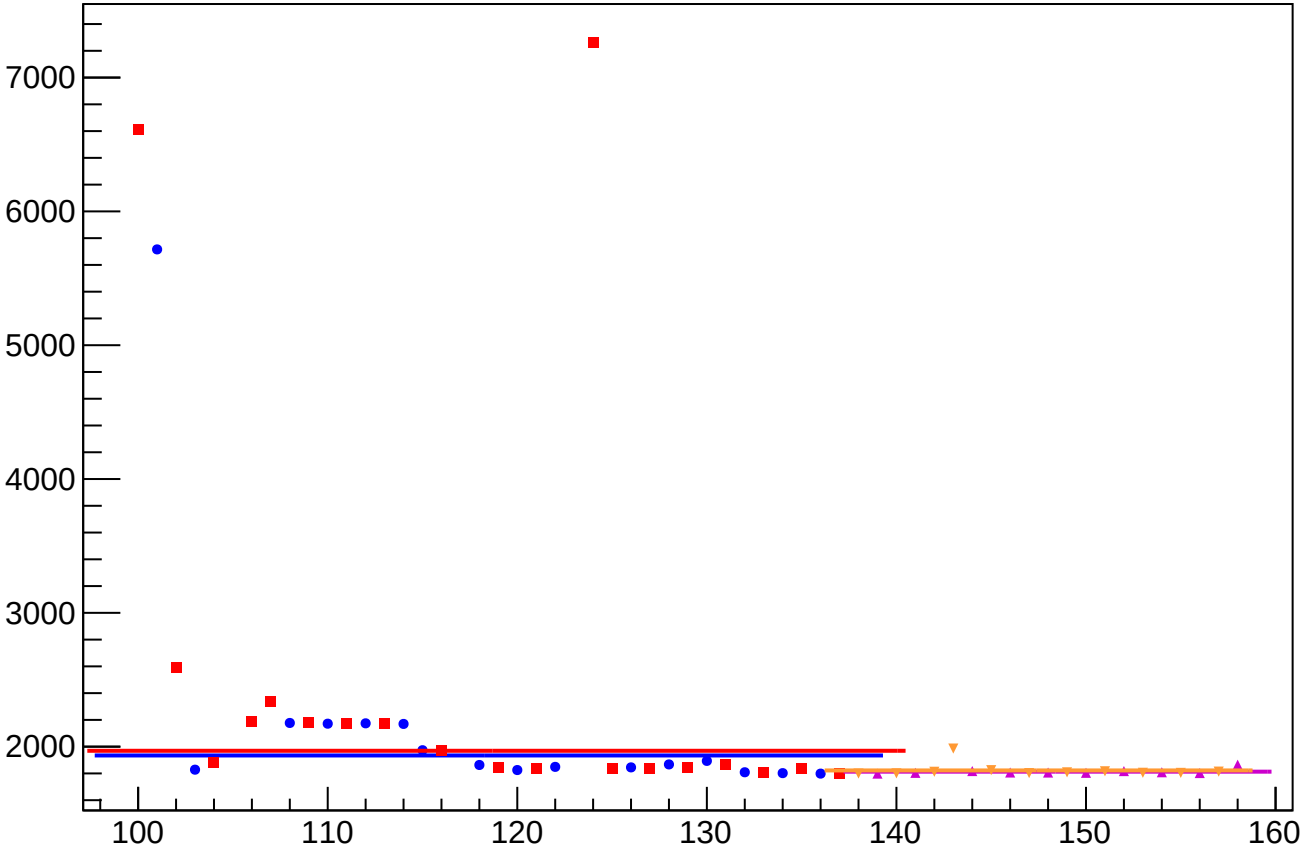
Left In: 947.166+/-613.856 χ^2/NDF:13.9/9

+ sign -360.241+/-473.187 χ^2/NDF: 28.5/26

All: 231.986+/-333.916 χ^2/NDF: 61.5/55

- sign 819.437+/-471.275 χ^2/NDF: 29.9/28

reg_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1822.332+/-0.437 χ^2/NDF:12298.2/10

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

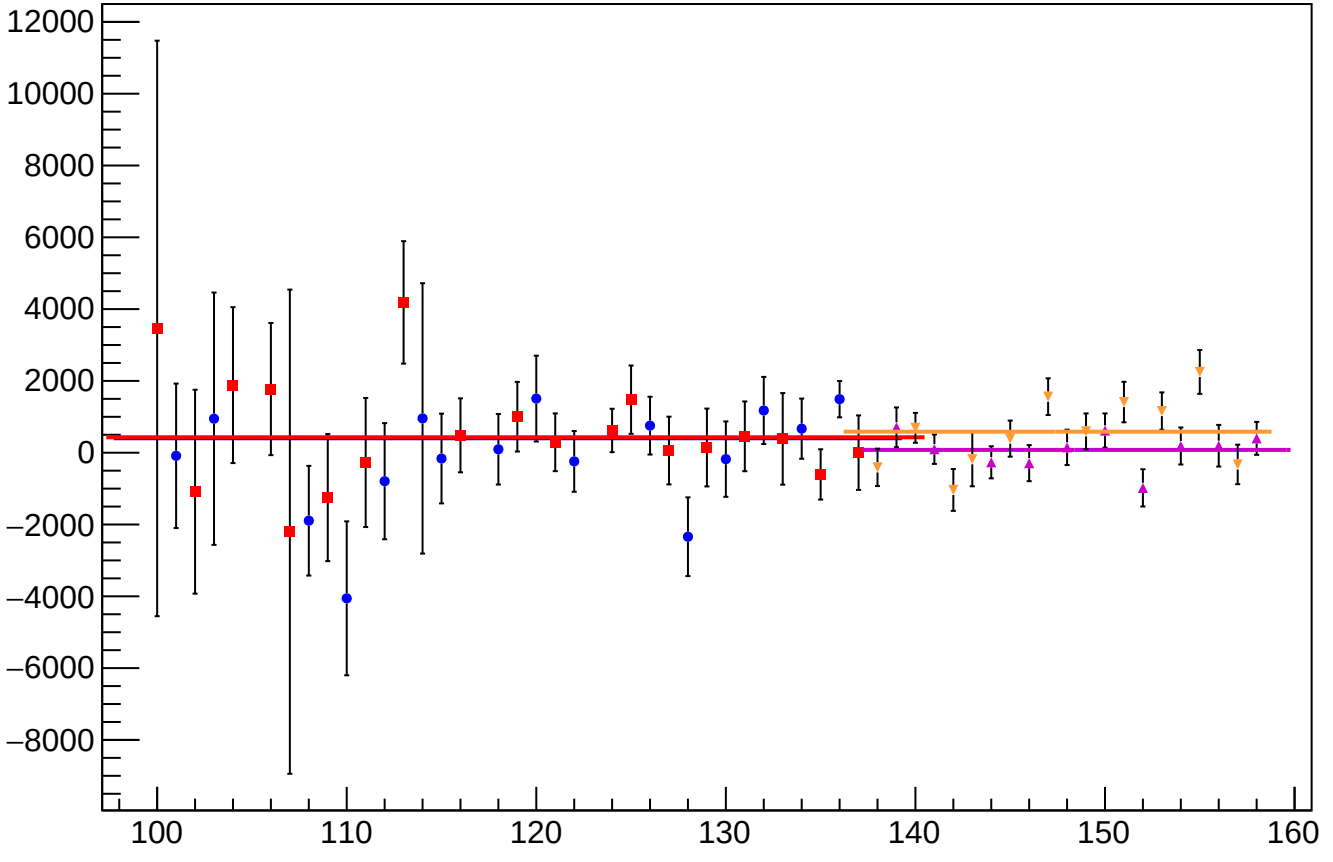
Left In: 1813.160+/-0.434 χ^2/NDF:1701.5/9

+ sign 1868.691+/-0.335 χ^2/NDF: 679351.6/26

All: 1872.978+/-0.236 χ^2/NDF: 1112823.5/55

- sign 1877.231+/-0.333 χ^2/NDF: 433144.8/28

asym_at1_dd_reg_correction_mean vs Slug



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 585.701+/-160.551 χ^2/NDF:29.8/10

Right Out: 430.066+/-252.823 χ^2/NDF: 11.7/18

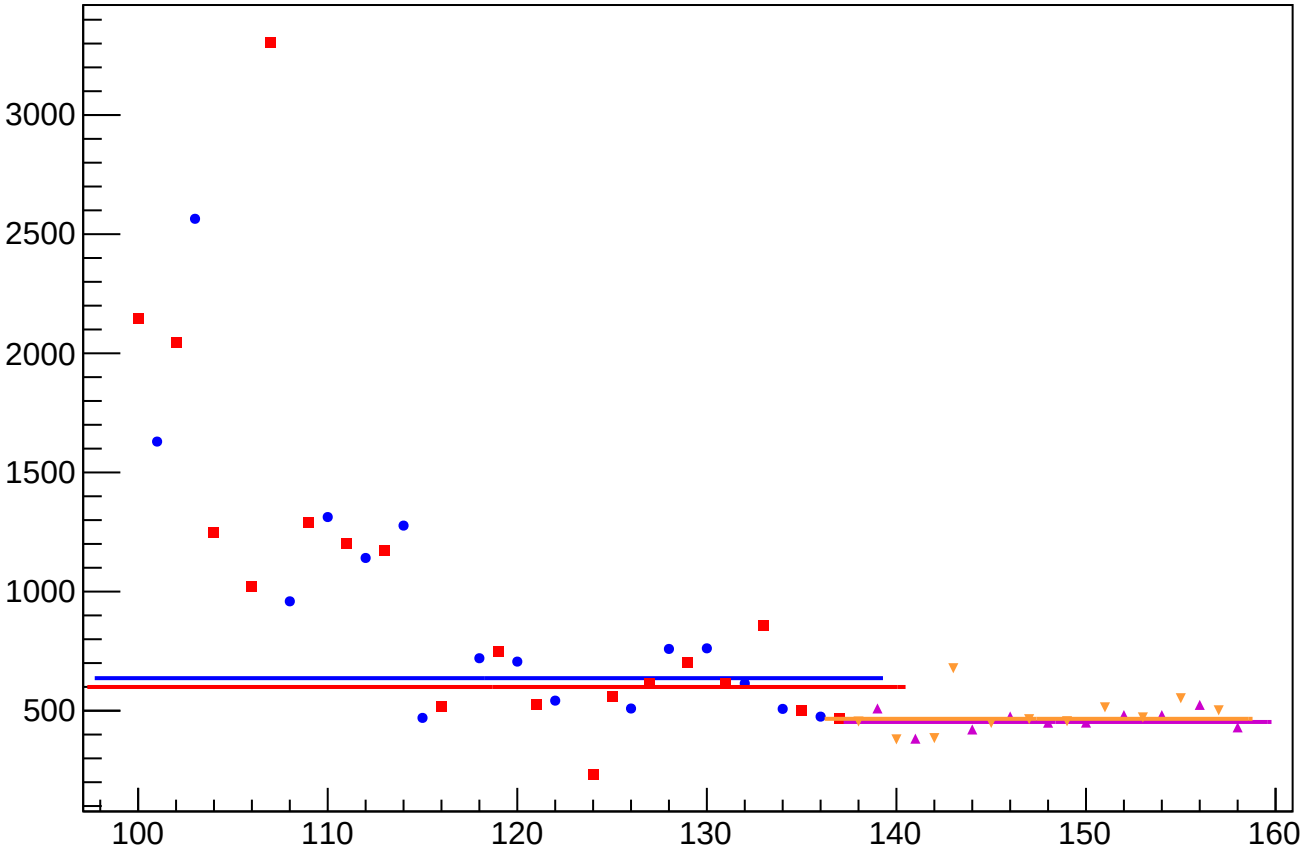
Left In: 78.318+/-154.490 χ^2/NDF:8.5/9

+ sign 534.760+/-136.397 χ^2/NDF: 51.3/26

All: 348.209+/-94.790 χ^2/NDF: 76.5/55

- sign 173.950+/-131.827 χ^2/NDF: 21.6/28

asym_at1_dd_reg_correction_rms vs Slug



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 466.045+/-0.114 χ^2/NDF:350596.6/10

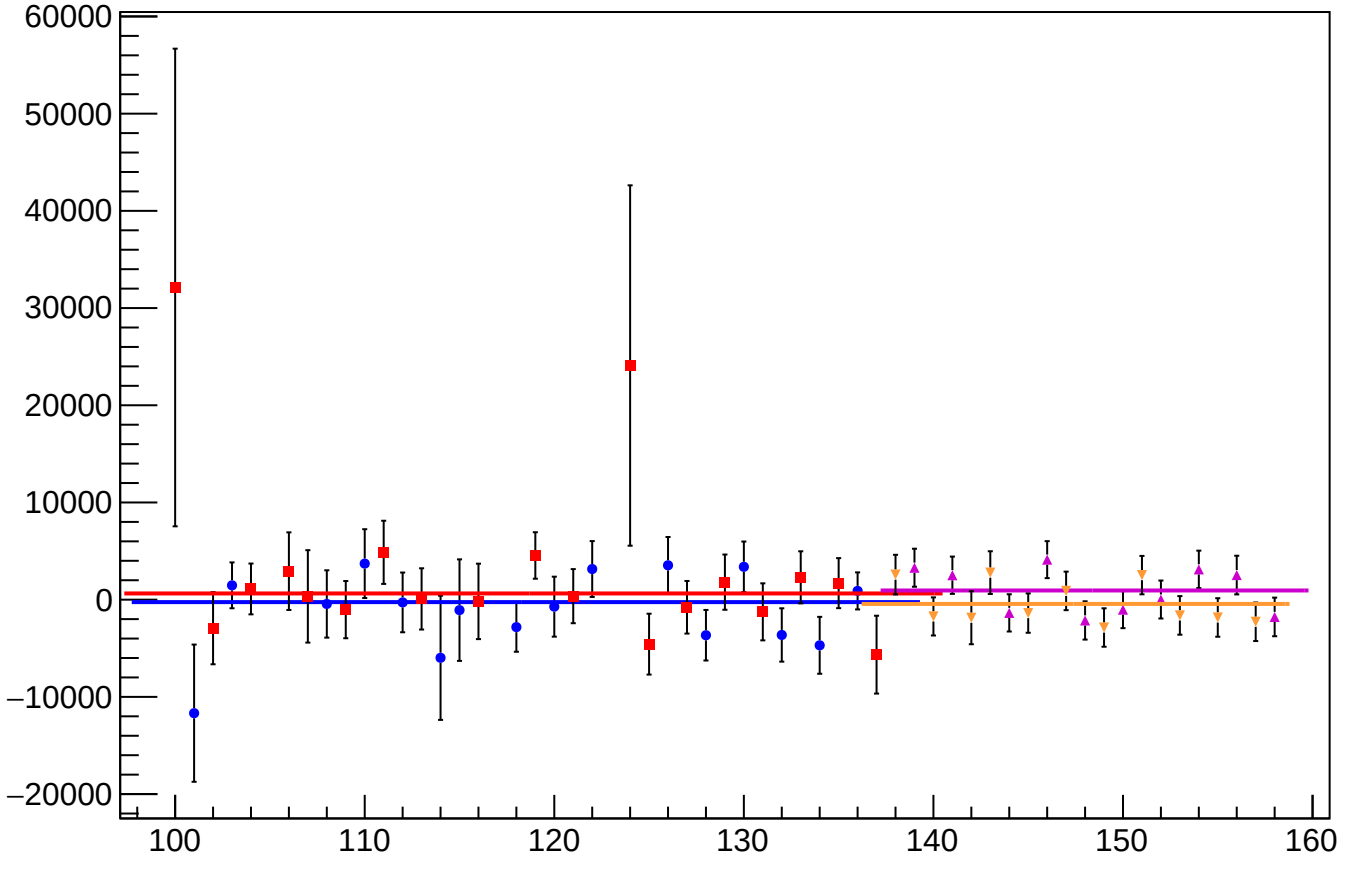
Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

Left In: 452.837+/-0.109 χ^2/NDF:141547.3/9

+ sign 513.530+/-0.096 χ^2/NDF: 3046243.0/26

All: 502.785+/-0.067 χ^2/NDF: 6646827.5/55

- sign 492.747+/-0.093 χ^2/NDF: 3576575.6/28



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -437.418+/-618.316 χ^2/NDF:11.2/10

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

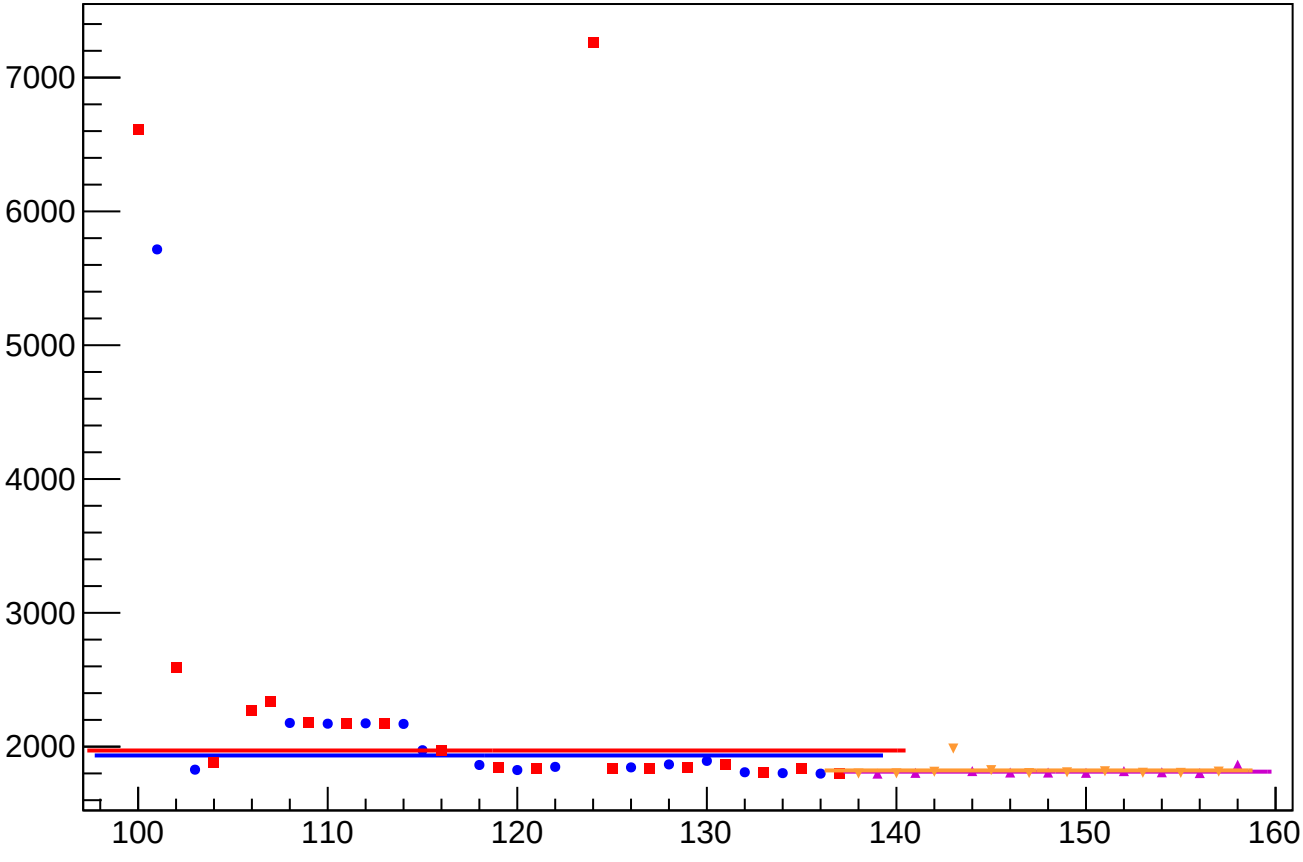
Left In: 947.114+/-613.856 χ^2/NDF:13.9/9

+ sign -359.965+/-473.187 χ^2/NDF: 28.5/26

All: 232.849+/-334.016 χ^2/NDF: 61.5/55

- sign 821.586+/-471.557 χ^2/NDF: 29.9/28

cor_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1822.332+/-0.437 χ^2/NDF:12298.2/10

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

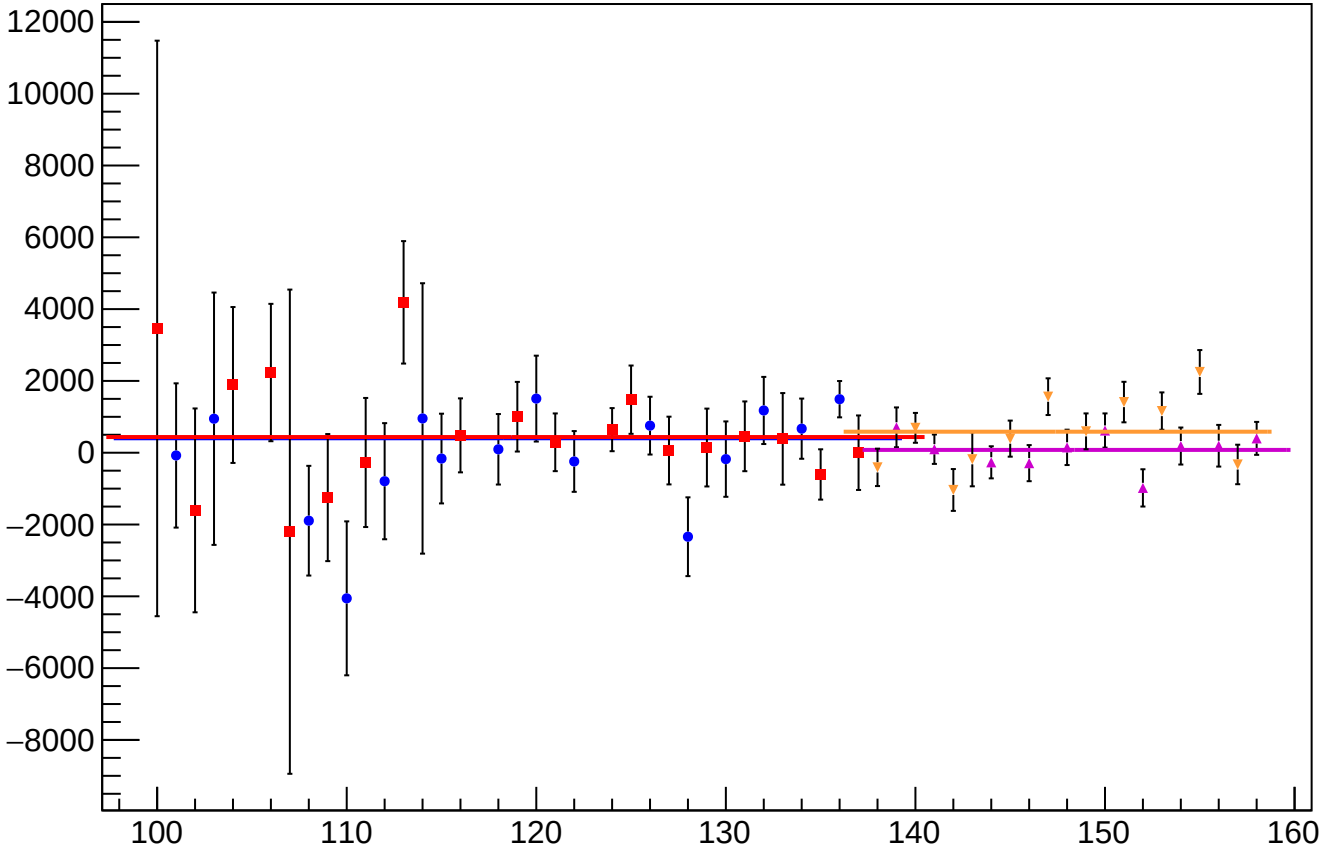
Left In: 1813.160+/-0.434 χ^2/NDF:1701.5/9

+ sign 1868.691+/-0.335 χ^2/NDF: 679351.5/26

All: 1873.363+/-0.236 χ^2/NDF: 1119063.4/55

- sign 1878.003+/-0.333 χ^2/NDF: 439323.2/28

asym_at1_dd_cor_correction_mean vs Slug



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 585.601+/-160.552 χ^2/NDF:29.8/10

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

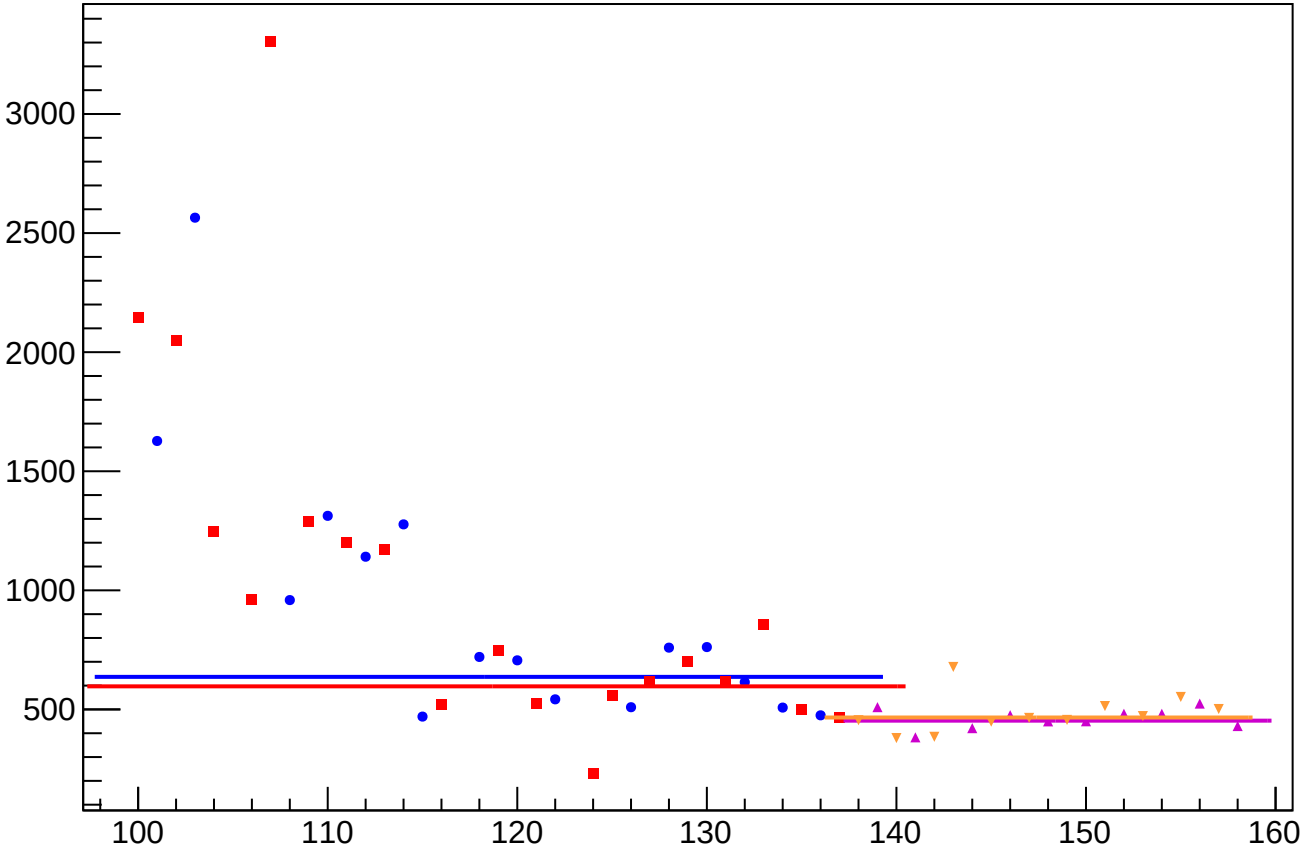
Left In: 78.304+/-154.489 χ^2/NDF:8.5/9

+ sign 534.705+/-136.396 χ^2/NDF: 51.3/26

All: 349.123+/-94.782 χ^2/NDF: 77.2/55

- sign 175.825+/-131.805 χ^2/NDF: 22.3/28

asym_at1_dd_cor_correction_rms vs Slug



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 466.050+/-0.114 χ^2/NDF:350533.7/10

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

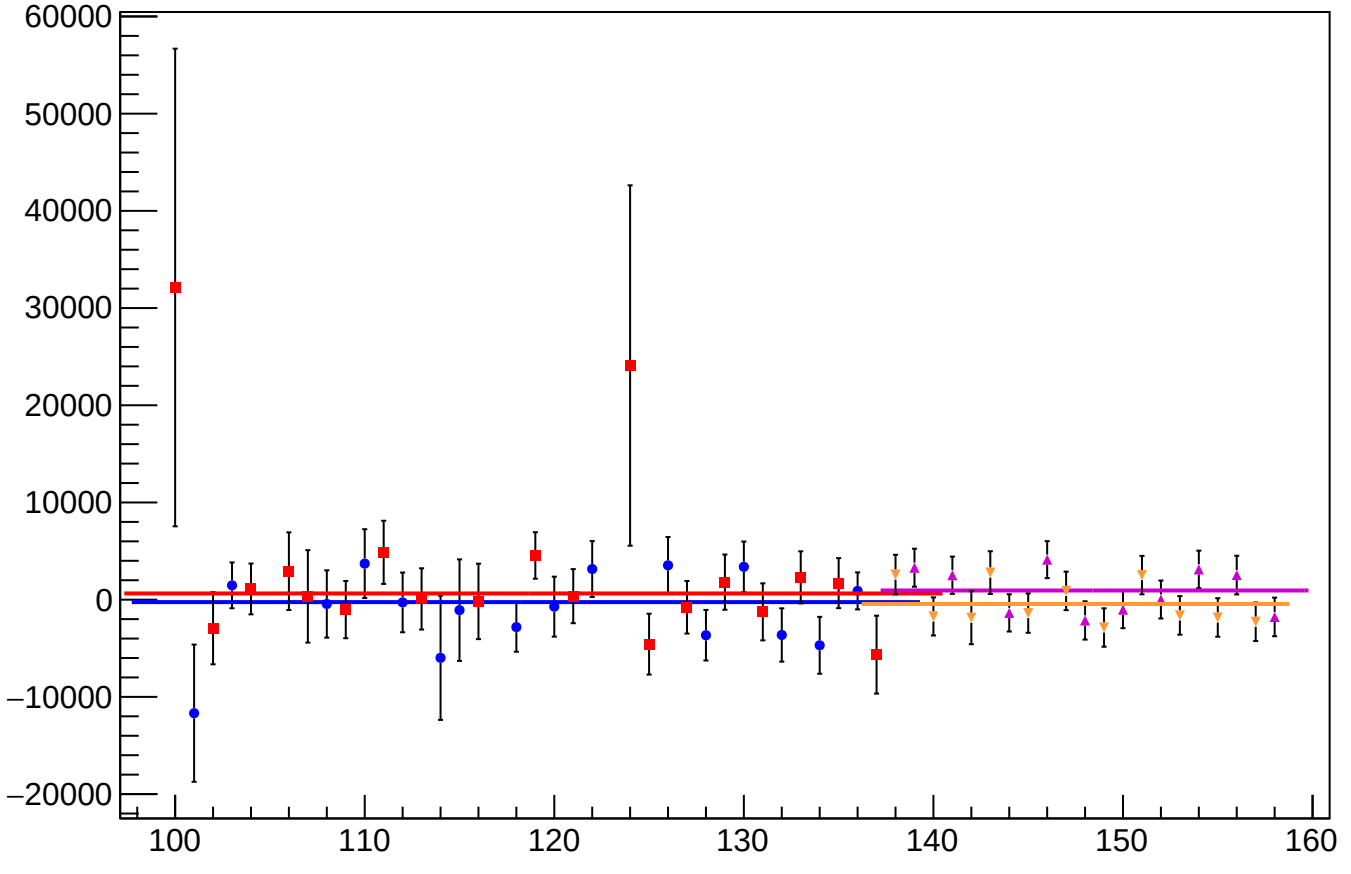
Left In: 452.833+/-0.109 χ^2/NDF:141551.4/9

+ sign 513.537+/-0.096 χ^2/NDF: 3045296.4/26

All: 502.413+/-0.067 χ^2/NDF: 6616032.7/55

- sign 492.025+/-0.093 χ^2/NDF: 3545011.4/28

eigen_cor_asym_at1_dd_mean vs Slug



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -437.418+/-618.316 χ^2/NDF:11.2/10

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

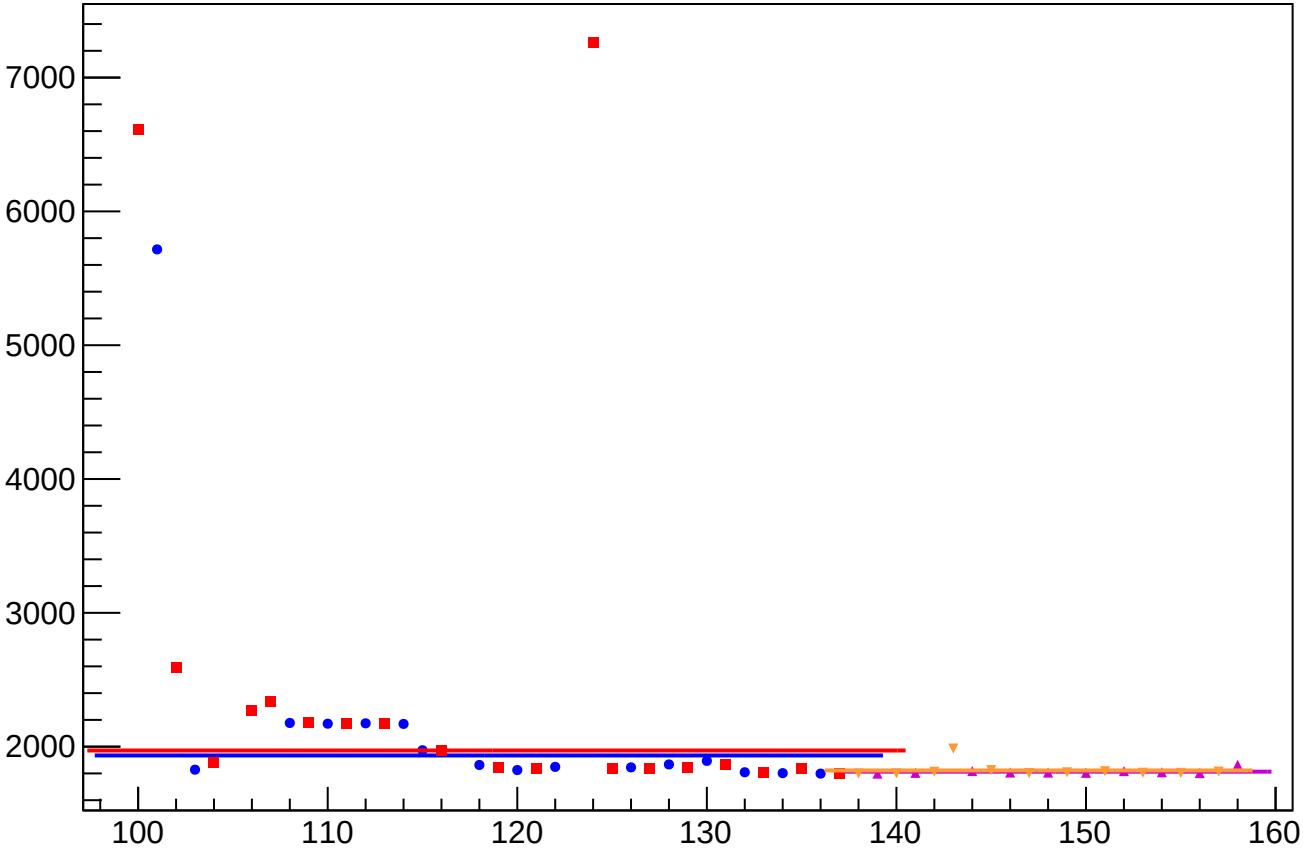
Left In: 947.114+/-613.856 χ^2/NDF:13.9/9

+ sign -359.965+/-473.187 χ^2/NDF: 28.5/26

All: 232.849+/-334.016 χ^2/NDF: 61.5/55

- sign 821.586+/-471.557 χ^2/NDF: 29.9/28

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1822.332+/-0.437 χ^2/NDF:12298.2/10

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

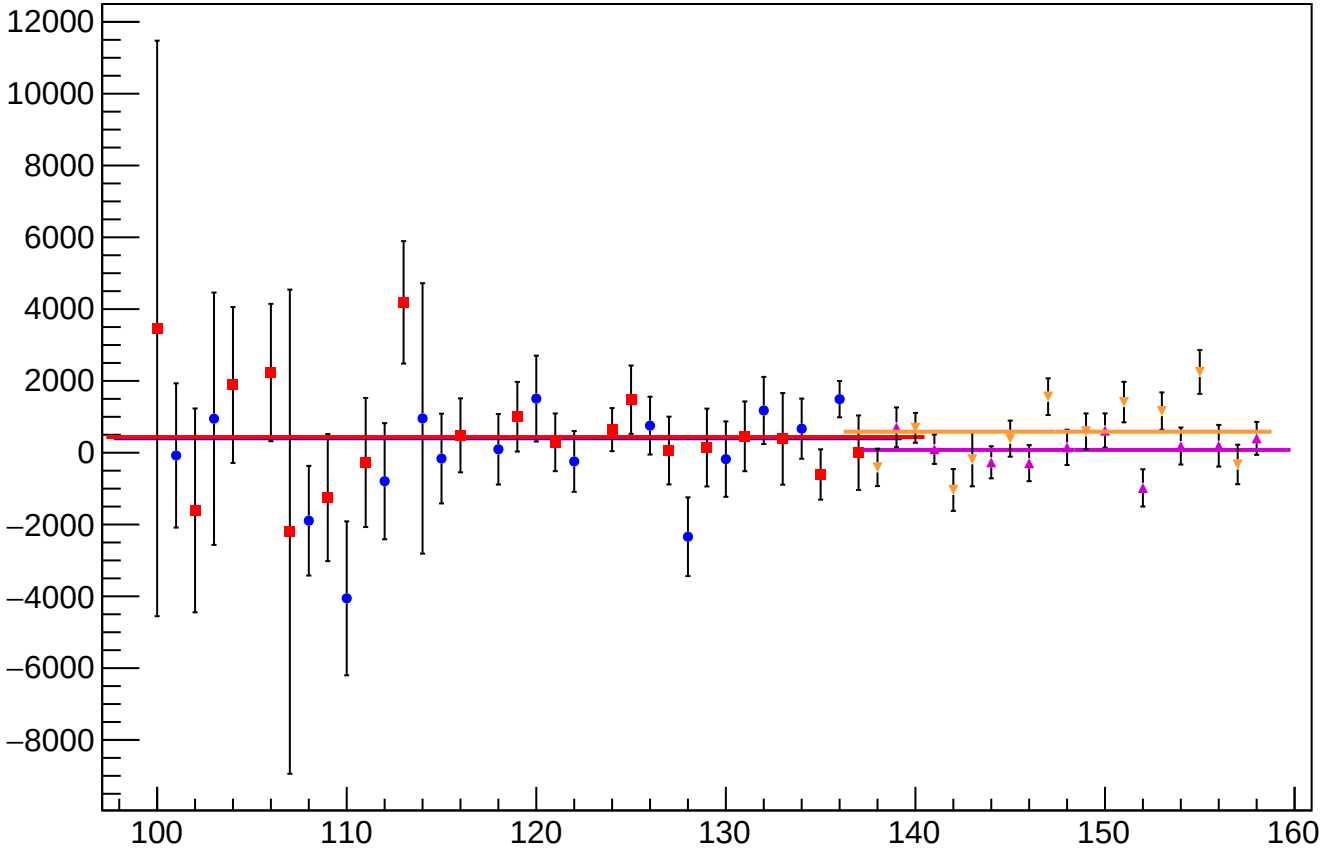
Left In: 1813.160+/-0.434 χ^2/NDF:1701.5/9

+ sign 1868.691+/-0.335 χ^2/NDF: 679351.5/26

All: 1873.363+/-0.236 χ^2/NDF: 1119063.4/55

- sign 1878.003+/-0.333 χ^2/NDF: 439323.2/28

asym_at1_dd_eigen_cor_correction_mean vs Slug



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 585.601+/-160.552 χ^2/NDF:29.8/10

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

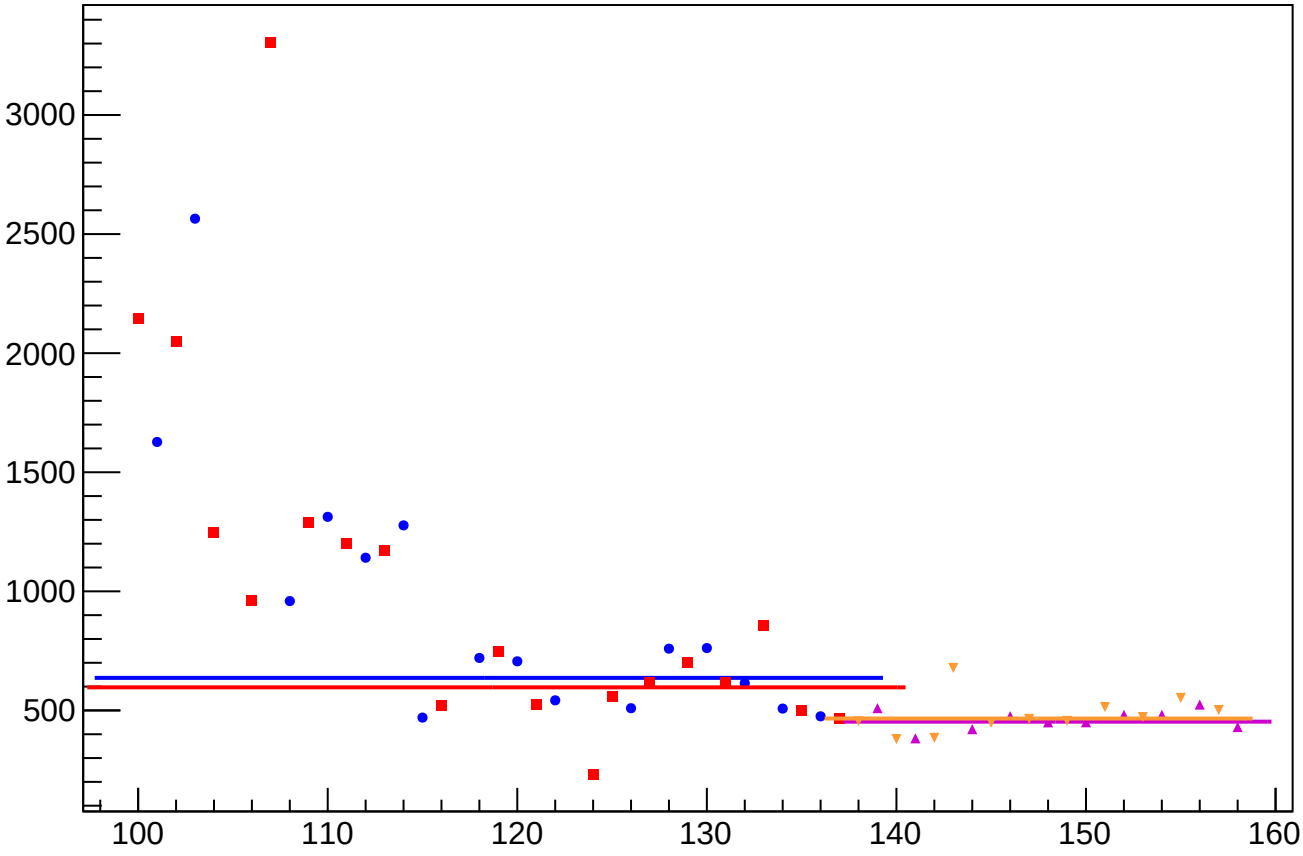
Left In: 78.304+/-154.489 χ^2/NDF:8.5/9

+ sign 534.705+/-136.396 χ^2/NDF: 51.3/26

All: 349.123+/-94.782 χ^2/NDF: 77.2/55

- sign 175.825+/-131.805 χ^2/NDF: 22.3/28

asym_at1_dd_eigen_cor_correction_rms vs Slug



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 466.050+/-0.114 χ^2/NDF:350533.7/10

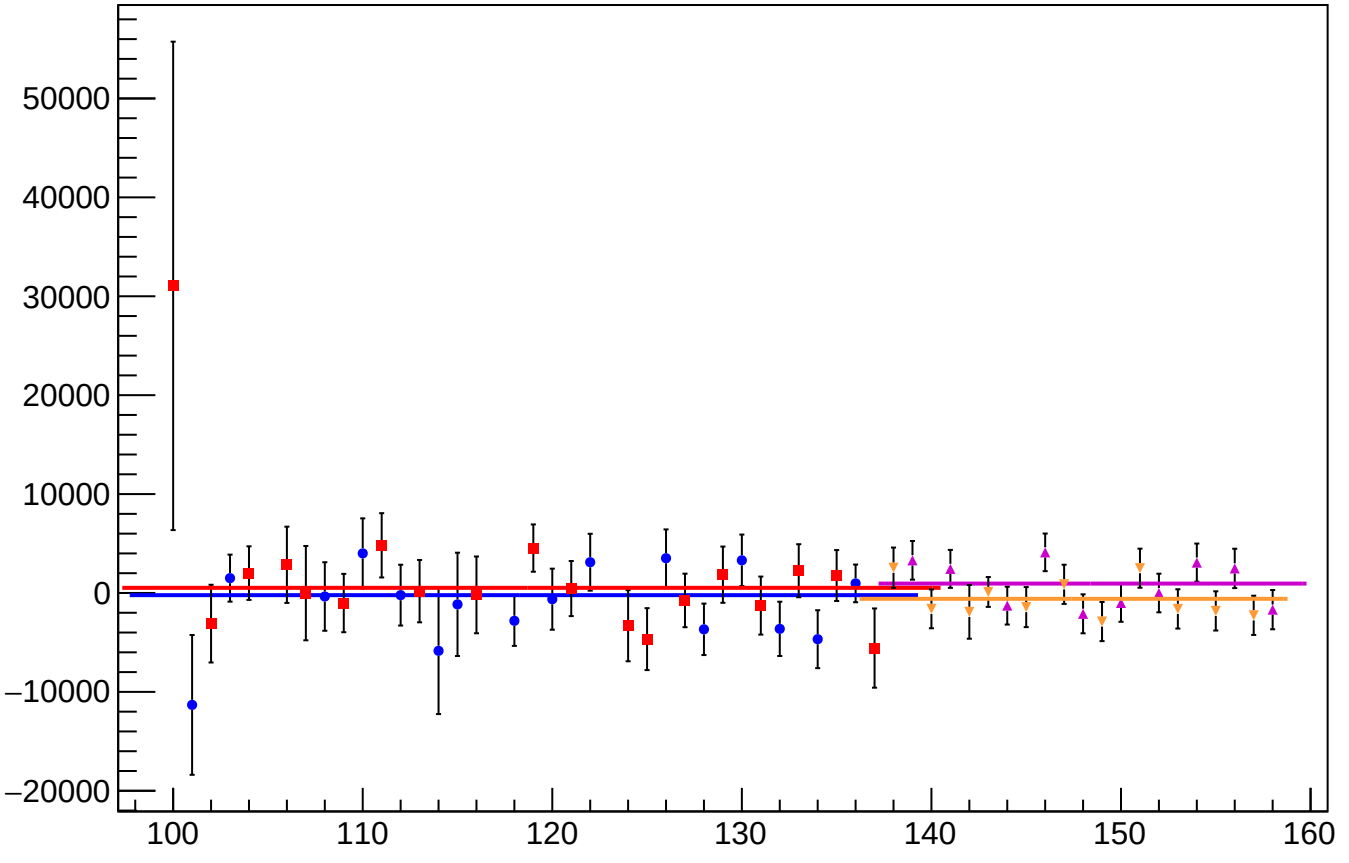
Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 452.833+/-0.109 χ^2/NDF:141551.4/9

+ sign 513.537+/-0.096 χ^2/NDF: 3045296.4/26

All: 502.413+/-0.067 χ^2/NDF: 6616032.7/55

- sign 492.025+/-0.093 χ^2/NDF: 3545011.4/28



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -590.139+/-592.665 χ^2/NDF:9.0/10

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

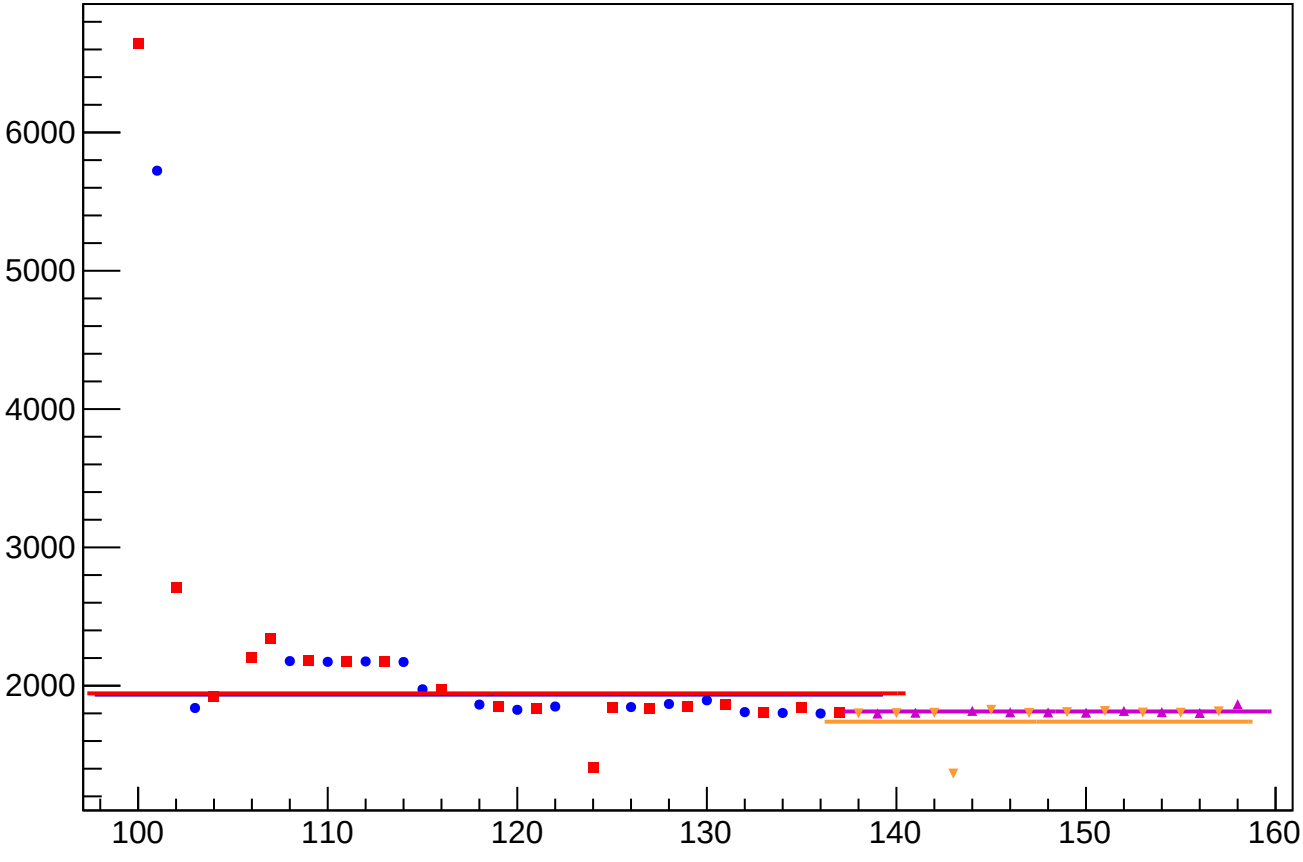
Left In: 949.547+/-614.058 χ^2/NDF:13.4/9

+ sign -444.668+/-461.581 χ^2/NDF: 26.2/26

All: 153.653+/-328.829 χ^2/NDF: 58.9/55

- sign 770.224+/-468.568 χ^2/NDF: 29.2/28

dit_asym_at1_dd_rms vs Slug



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1739.910+/-0.419 χ^2/NDF:146641.2/10

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

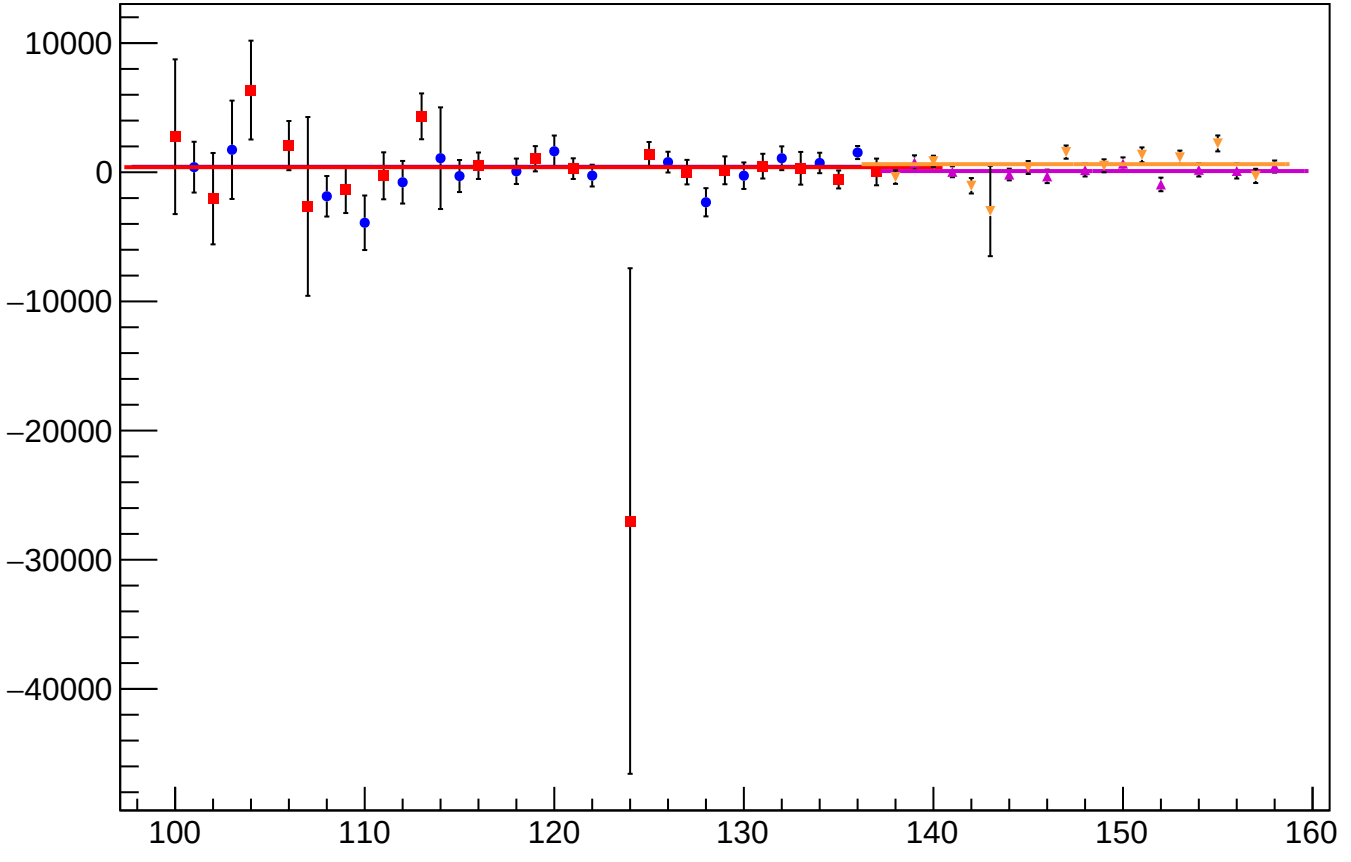
Left In: 1813.755+/-0.434 χ^2/NDF:1697.4/9

+ sign 1817.049+/-0.326 χ^2/NDF: 872564.3/26

All: 1842.323+/-0.233 χ^2/NDF: 1200533.5/55

- sign 1868.369+/-0.331 χ^2/NDF: 315793.3/28

asym_at1_dd_dit_correction_mean vs Slug



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 625.680+/-166.014 χ^2/NDF:28.6/10

Right Out: 393.590+/-279.562 χ^2/NDF: 15.9/18

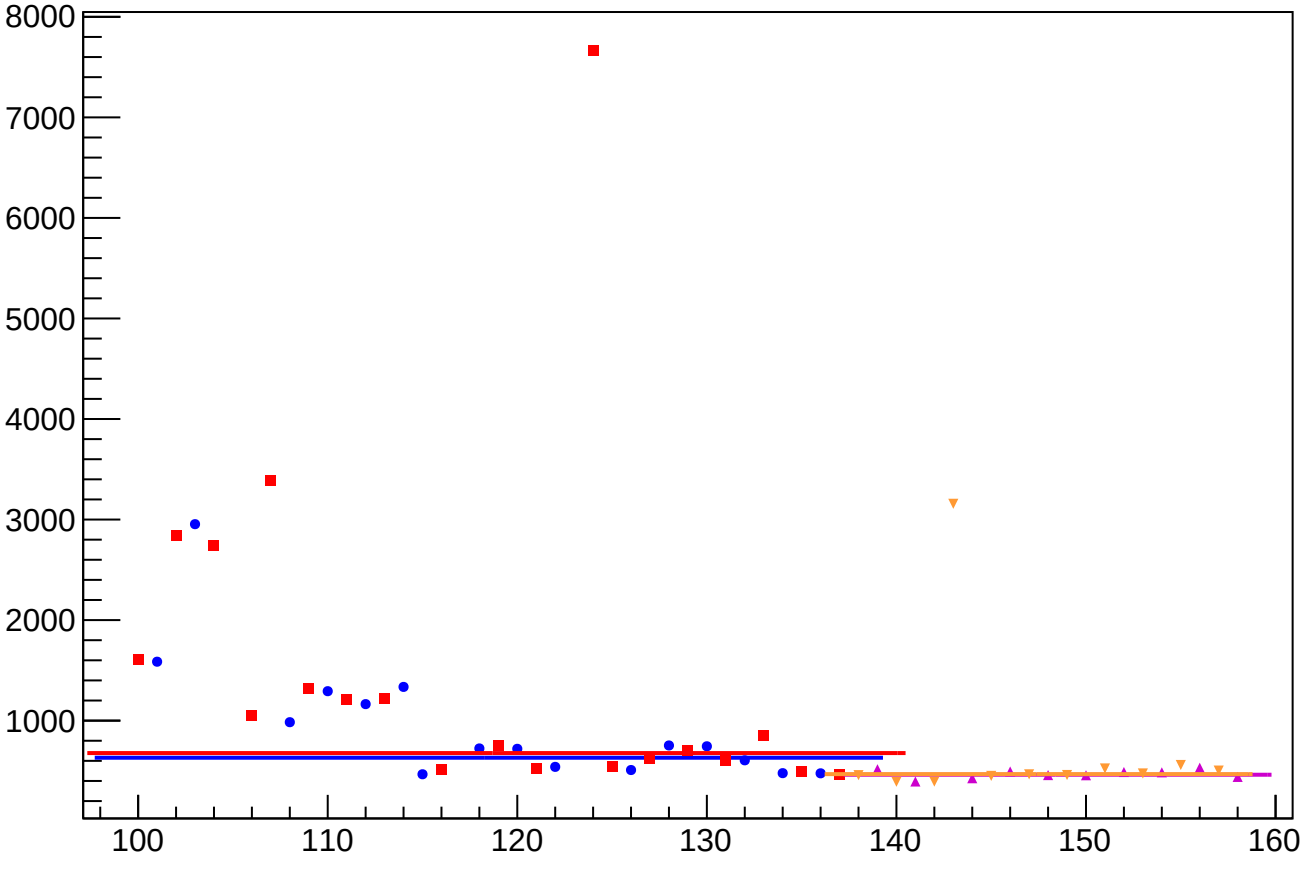
Left In: 92.364+/-157.400 χ^2/NDF:8.3/9

+ sign 565.378+/-139.409 χ^2/NDF: 50.5/26

All: 361.859+/-97.771 χ^2/NDF: 79.7/55

- sign 164.868+/-137.155 χ^2/NDF: 25.0/28

asym_at1_dd_dit_correction_rms vs Slug



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 467.955+/-0.117 χ^2/NDF:1353077.8/10

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

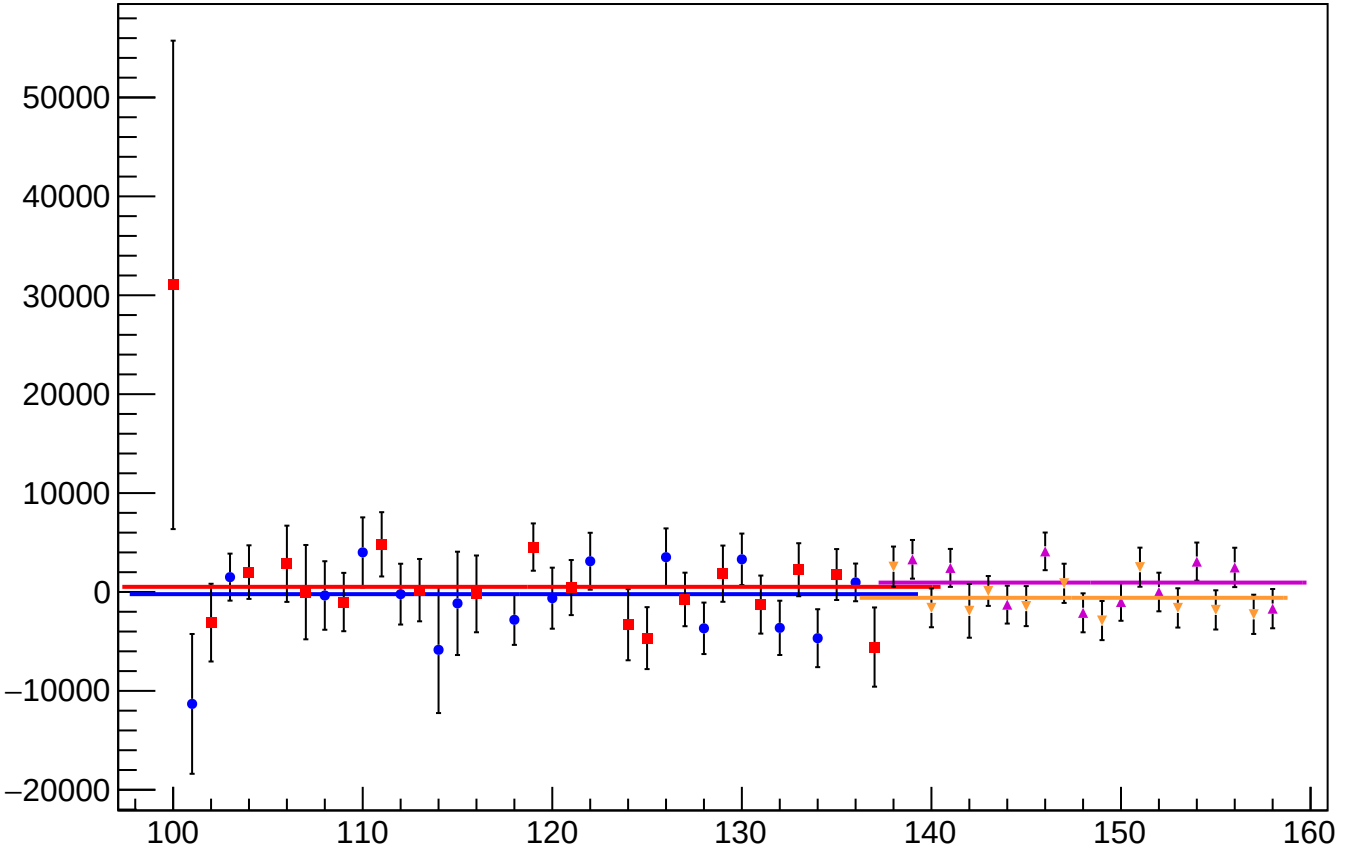
Left In: 461.943+/-0.111 χ^2/NDF:131422.4/9

+ sign 516.066+/-0.099 χ^2/NDF: 4157285.6/26

All: 514.921+/-0.069 χ^2/NDF: 8272862.1/55

- sign 513.812+/-0.097 χ^2/NDF: 4115310.8/28

eigen_dit_asym_at1_dd_mean vs Slug



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -590.139+/-592.665 χ^2/NDF:9.0/10

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

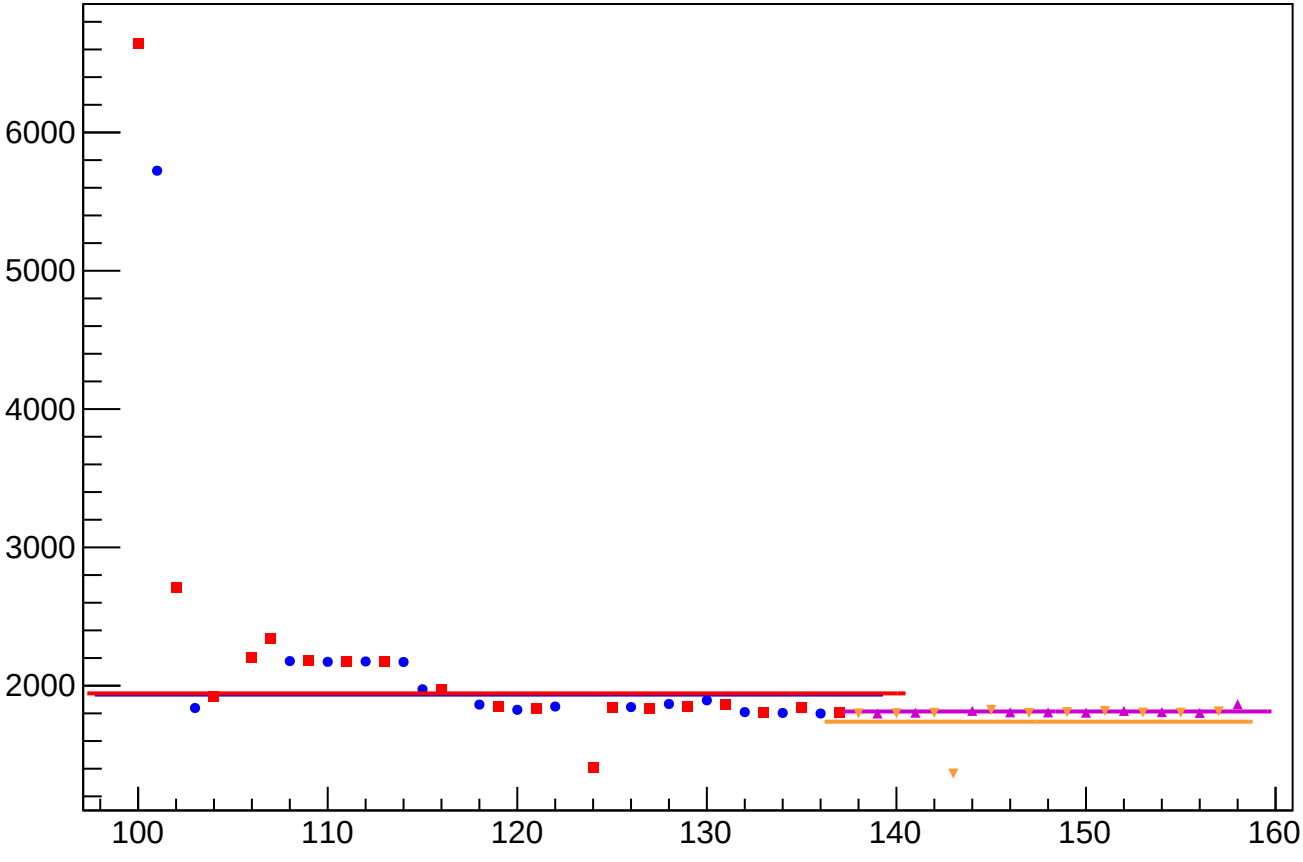
Left In: 949.547+/-614.058 χ^2/NDF:13.4/9

+ sign -444.669+/-461.581 χ^2/NDF: 26.2/26

All: 153.653+/-328.829 χ^2/NDF: 58.9/55

- sign 770.224+/-468.568 χ^2/NDF: 29.2/28

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1739.910+/-0.419 χ^2/NDF:146641.2/10

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

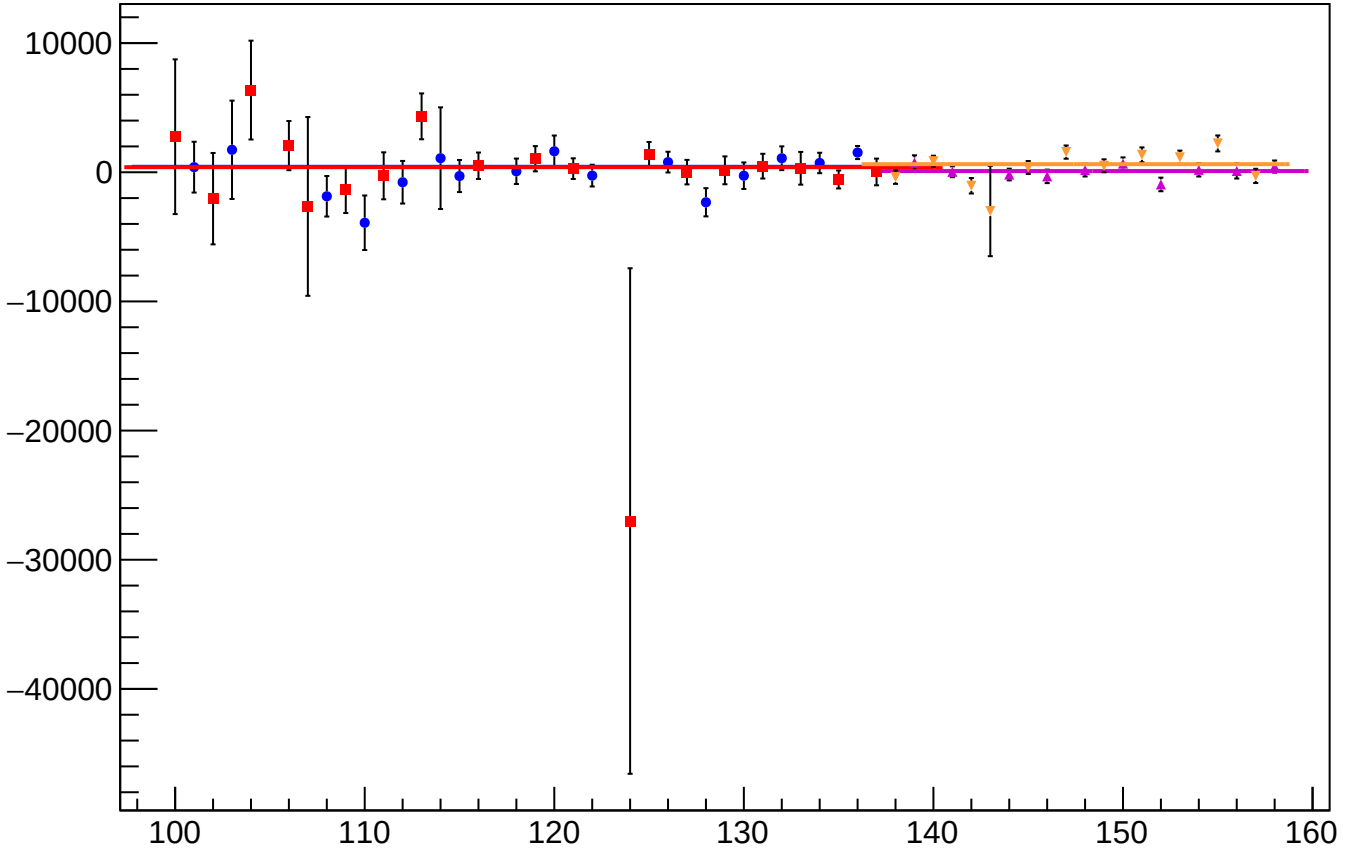
Left In: 1813.755+/-0.434 χ^2/NDF:1697.4/9

+ sign 1817.049+/-0.326 χ^2/NDF: 872564.2/26

All: 1842.323+/-0.233 χ^2/NDF: 1200533.3/55

- sign 1868.369+/-0.331 χ^2/NDF: 315793.1/28

asym_at1_dd_eigen_dit_correction_mean vs Slug



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 625.681+/-166.013 χ^2/NDF:28.6/10

Right Out: 393.591+/-279.562 χ^2/NDF: 15.9/18

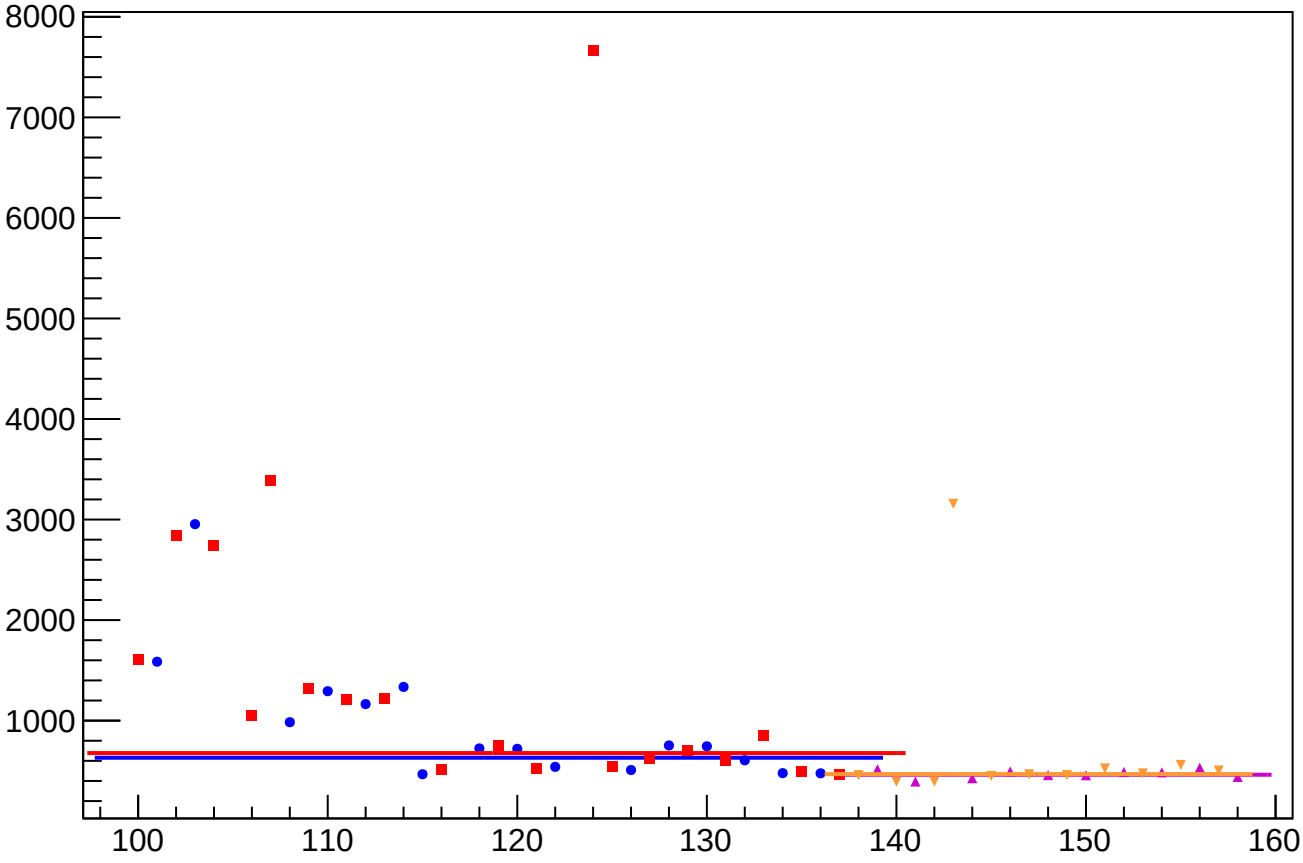
Left In: 92.364+/-157.400 χ^2/NDF:8.3/9

+ sign 565.378+/-139.409 χ^2/NDF: 50.5/26

All: 361.859+/-97.771 χ^2/NDF: 79.7/55

- sign 164.867+/-137.155 χ^2/NDF: 25.0/28

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 467.955+/-0.117 χ^2/NDF:1353080.6/10

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

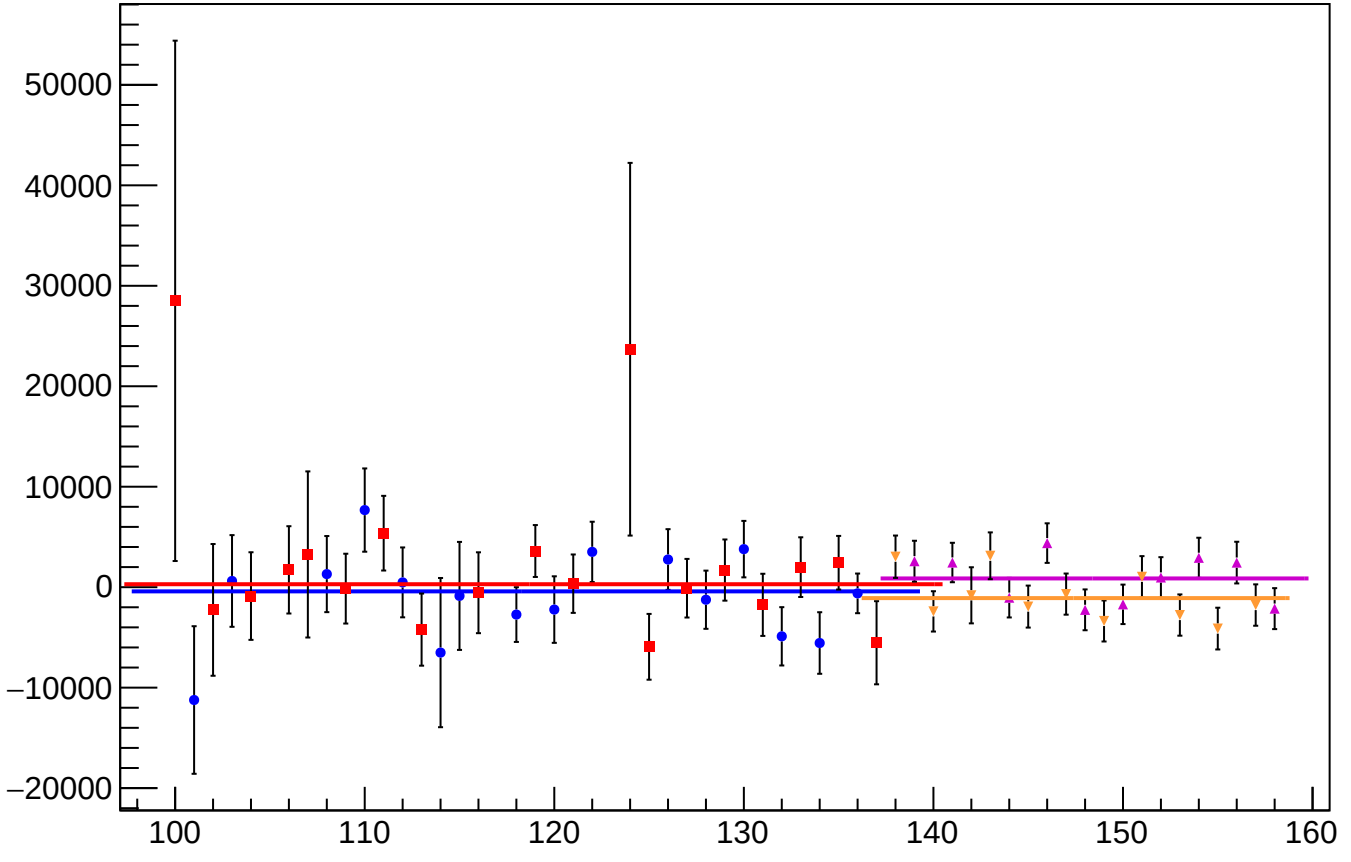
Left In: 461.943+/-0.111 χ^2/NDF:131425.3/9

\+ sign 516.066+/-0.099 χ^2/NDF: 4157289.0/26

All: 514.920+/-0.069 χ^2/NDF: 8272869.5/55

\- sign 513.812+/-0.097 χ^2/NDF: 4115314.8/28

asym_at1_dd_mean vs Slug



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: -1087.166+/-640.962 χ^2/NDF:13.0/10

Right Out: 294.527+/-831.610 χ^2/NDF: 15.6/18

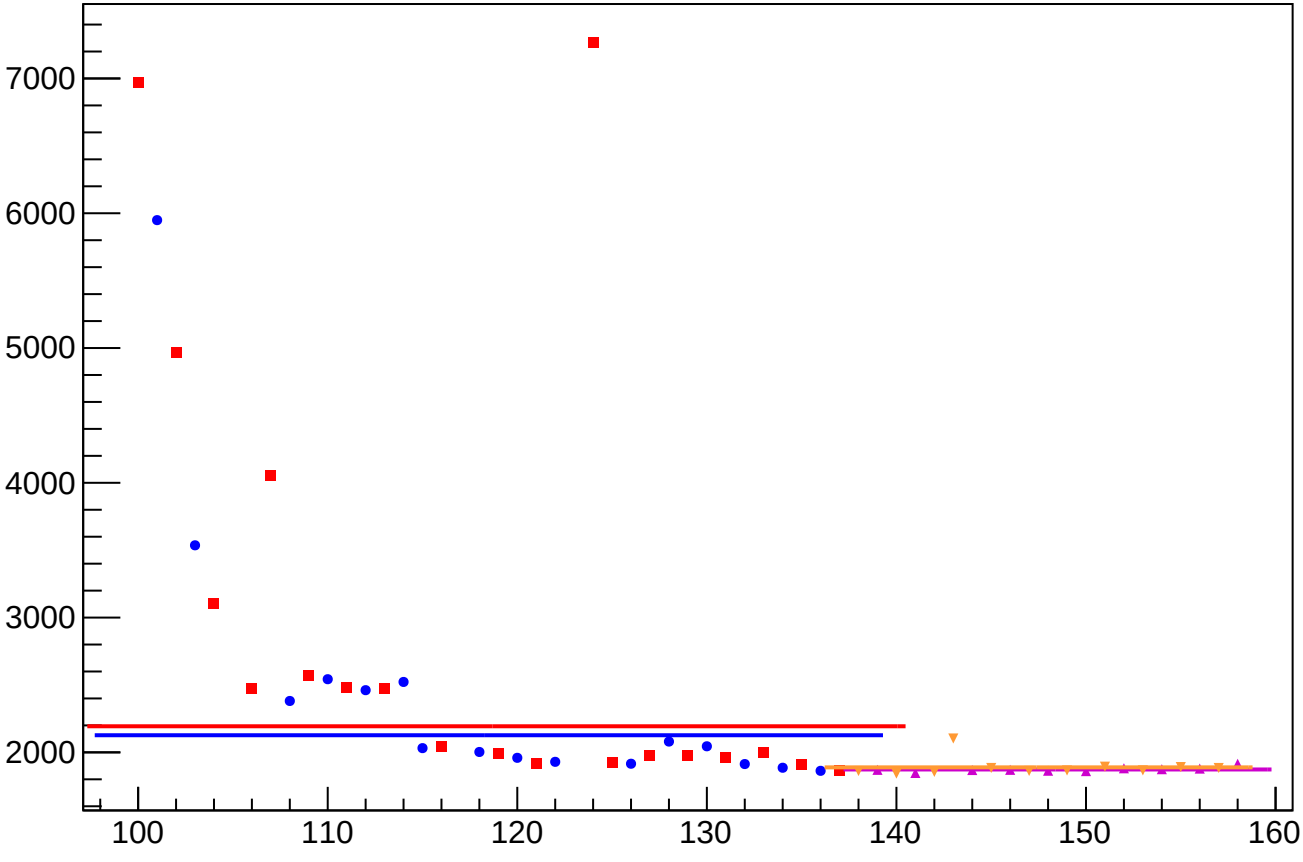
Left In: 869.220+/-634.134 χ^2/NDF:13.4/9

\+ sign -831.459+/-503.906 χ^2/NDF: 31.7/26

All: -87.287+/-356.439 χ^2/NDF: 65.4/55

\- sign 657.920+/-504.256 χ^2/NDF: 29.3/28

asym_at1_dd_rms vs Slug



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1888.657+/-0.453 χ^2/NDF:19477.0/10

Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

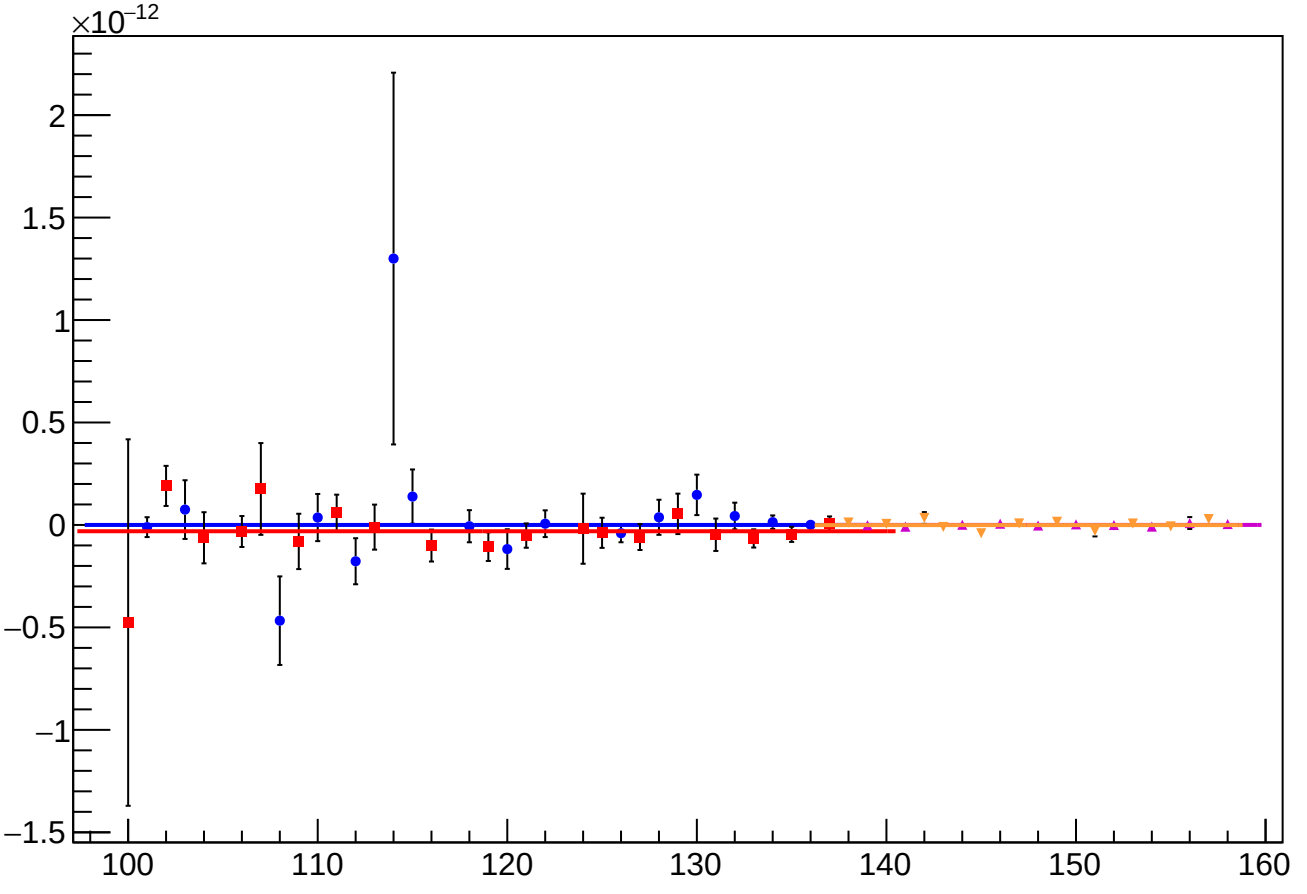
Left In: 1873.048+/-0.448 χ^2/NDF:1393.0/9

+ sign 1979.704+/-0.356 χ^2/NDF: 1000215.2/26

All: 1985.294+/-0.252 χ^2/NDF: 2132536.8/55

- sign 1990.892+/-0.357 χ^2/NDF: 1131829.0/28

asym_at1_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.4/10

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

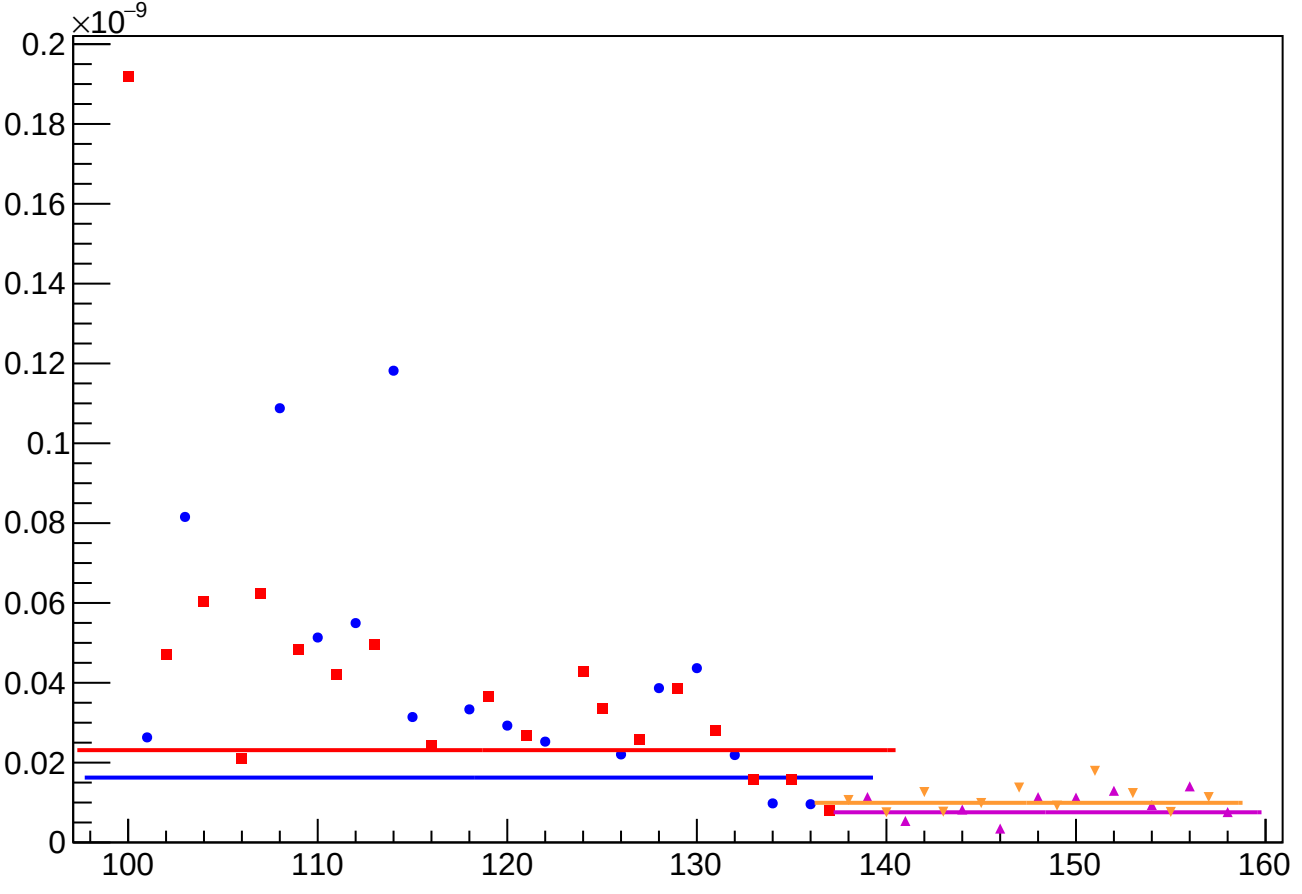
Left In: 0.000+/-0.000 χ^2/NDF:1.4/9

+ sign -0.000+/-0.000 χ^2/NDF: 28.5/26

All: -0.000+/-0.000 χ^2/NDF: 45.9/55

- sign -0.000+/-0.000 χ^2/NDF: 17.3/28

asym_at1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2286703.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:413845.5/10

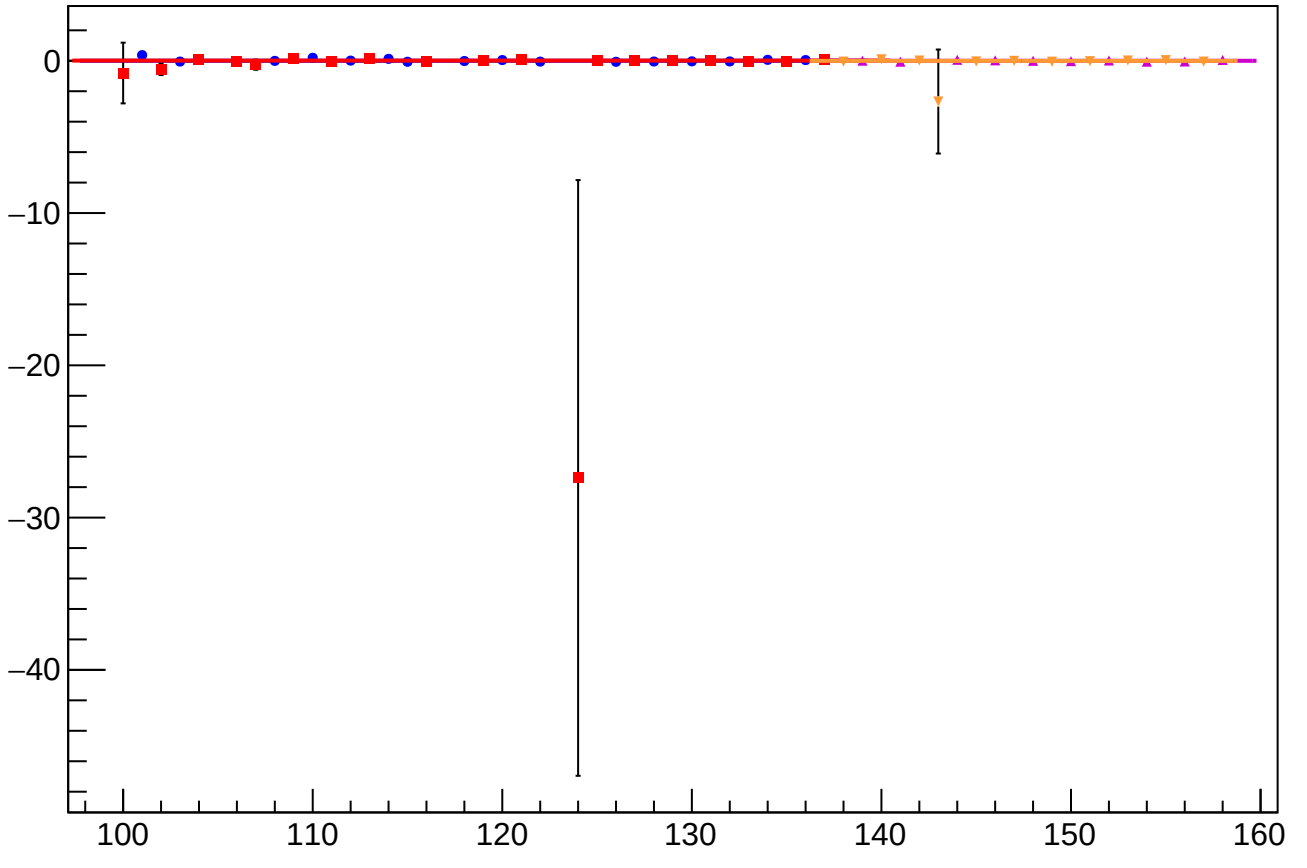
Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

Left In: 0.000+/-0.000 χ^2/NDF:871554.4/9

+ sign 0.000+/-0.000 χ^2/NDF: 3161986.0/26

All: 0.000+/-0.000 χ^2/NDF: 7438505.1/55

- sign 0.000+/-0.000 χ^2/NDF: 4073986.2/28



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.008+/-0.012 χ^2/NDF:15.9/10

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

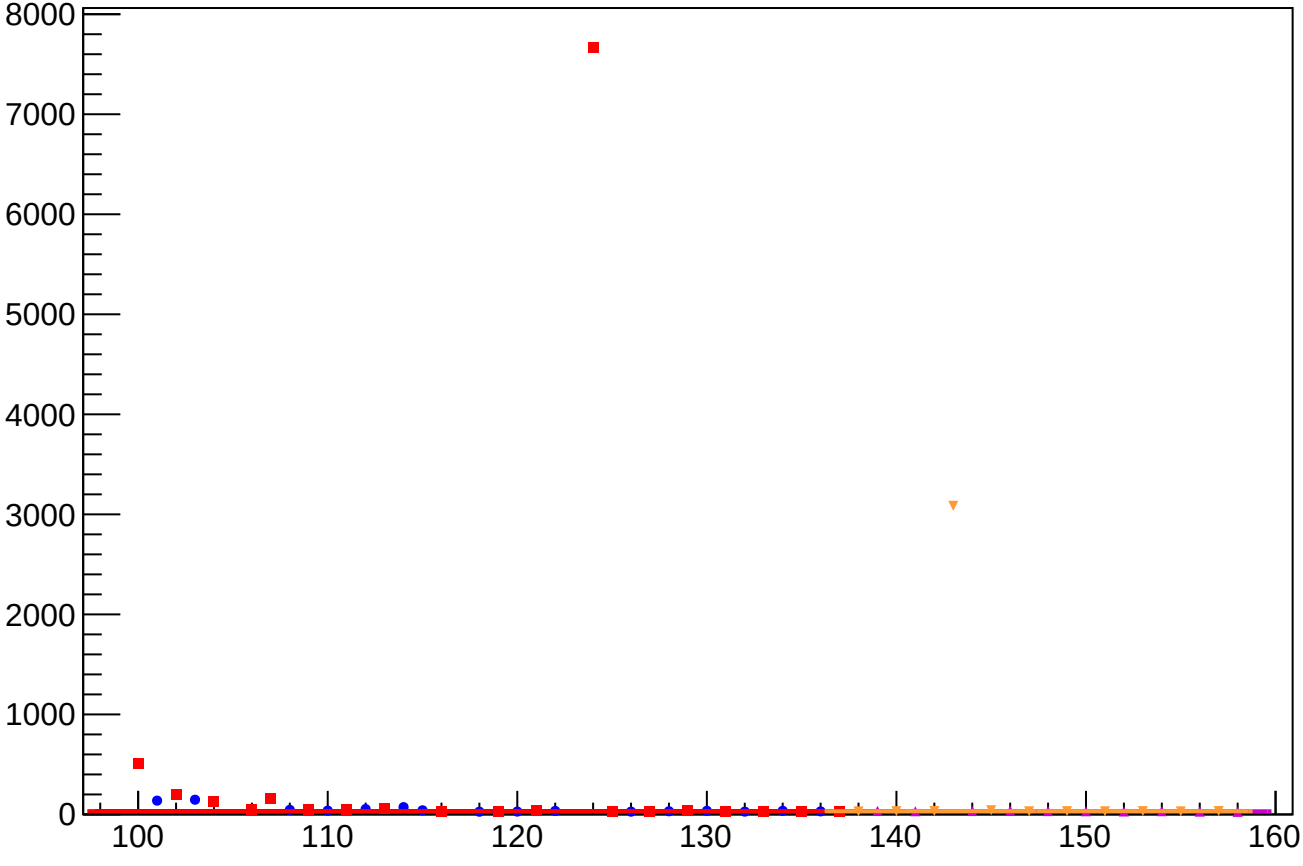
Left In: -0.001+/-0.012 χ^2/NDF:13.6/9

+ sign -0.004+/-0.010 χ^2/NDF: 37.1/26

All: 0.000+/-0.007 χ^2/NDF: 65.8/55

- sign 0.004+/-0.009 χ^2/NDF: 28.3/28

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.509+/-0.009 χ^2/NDF:1696814.4/10

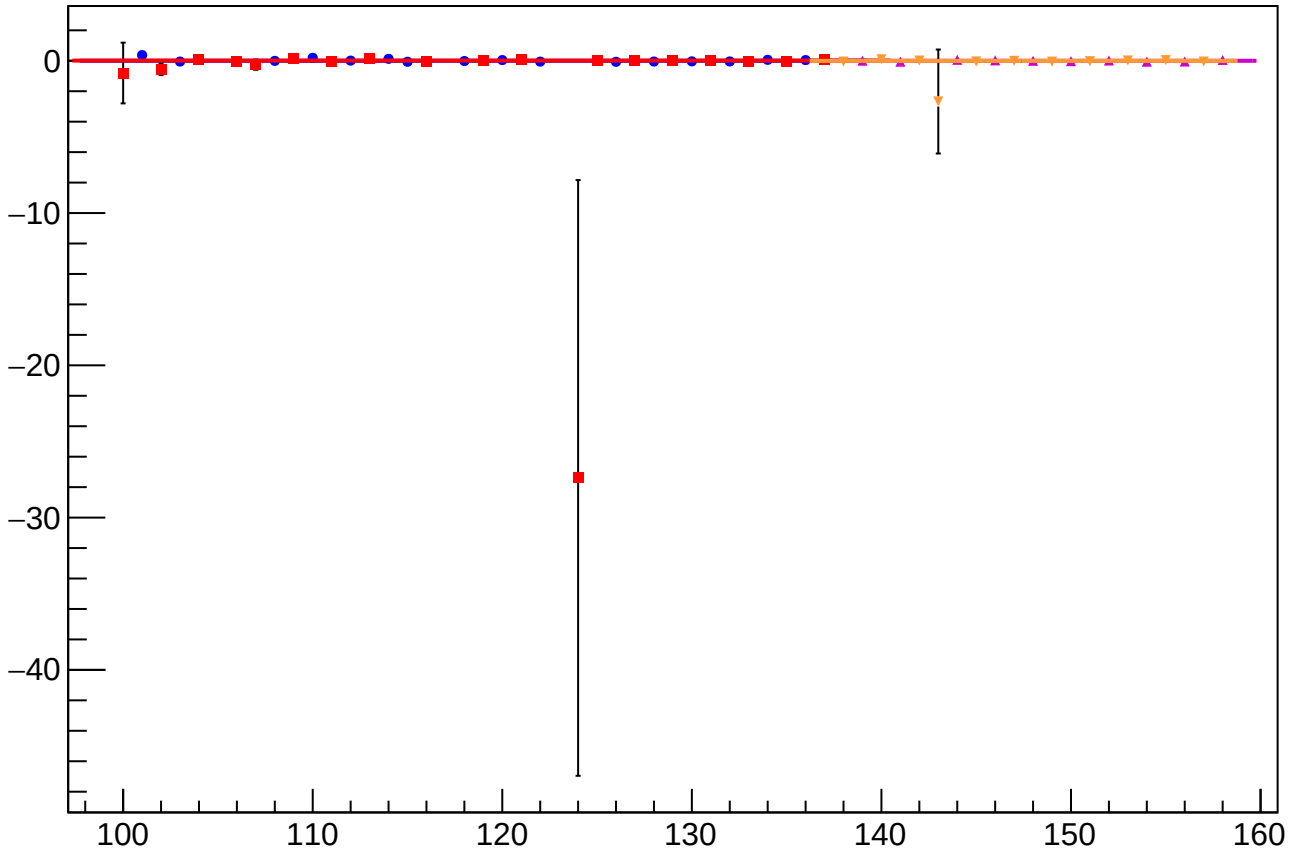
Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 31.746+/-0.008 χ^2/NDF:154242.1/9

+ sign 33.155+/-0.007 χ^2/NDF: 3426871.3/26

All: 32.693+/-0.005 χ^2/NDF: 5675273.4/55

- sign 32.261+/-0.007 χ^2/NDF: 2239325.5/28



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.008+/-0.012 χ^2/NDF:15.9/10

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

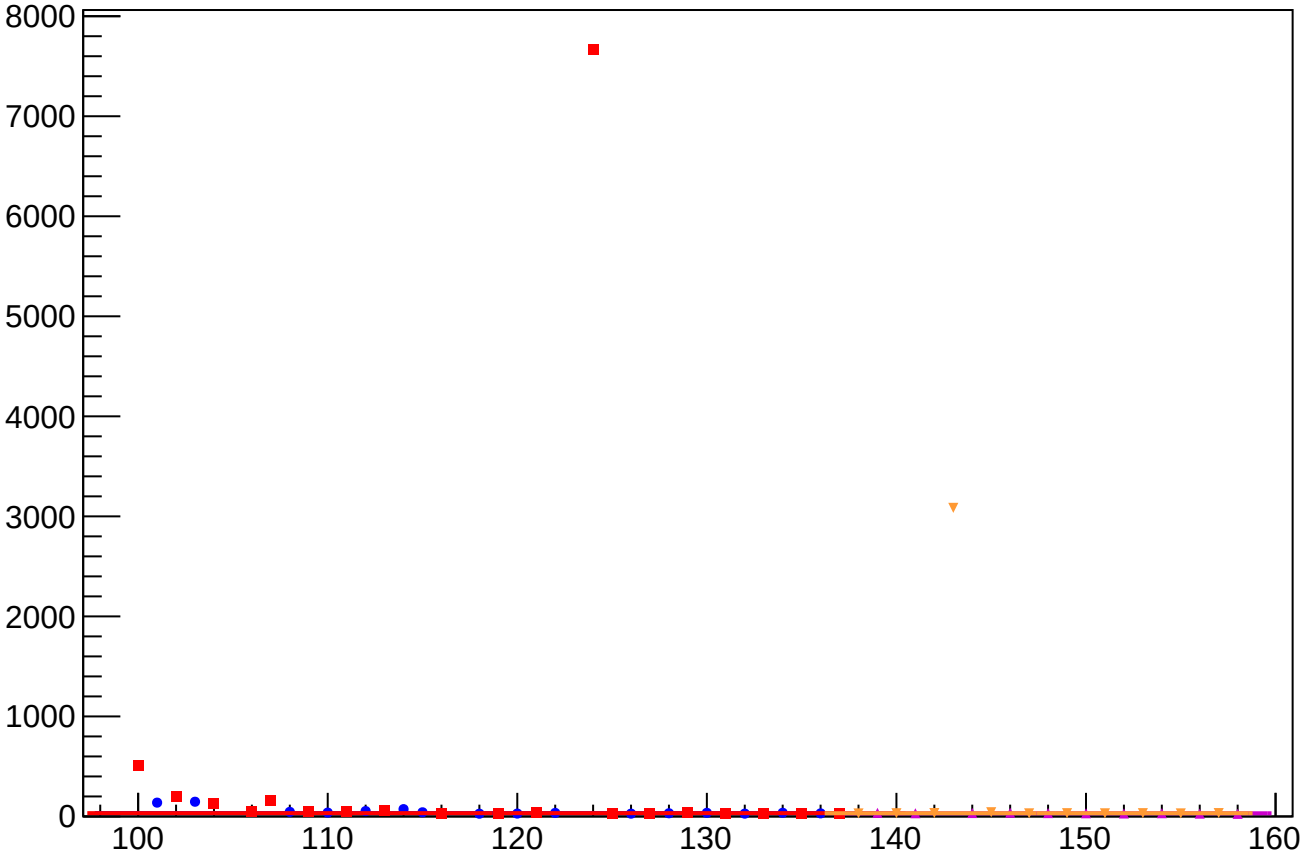
Left In: -0.001+/-0.012 χ^2/NDF:13.6/9

+ sign -0.004+/-0.010 χ^2/NDF: 37.1/26

All: 0.000+/-0.007 χ^2/NDF: 65.8/55

- sign 0.004+/-0.009 χ^2/NDF: 28.3/28

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.509+/-0.009 χ^2/NDF:1696814.4/10

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

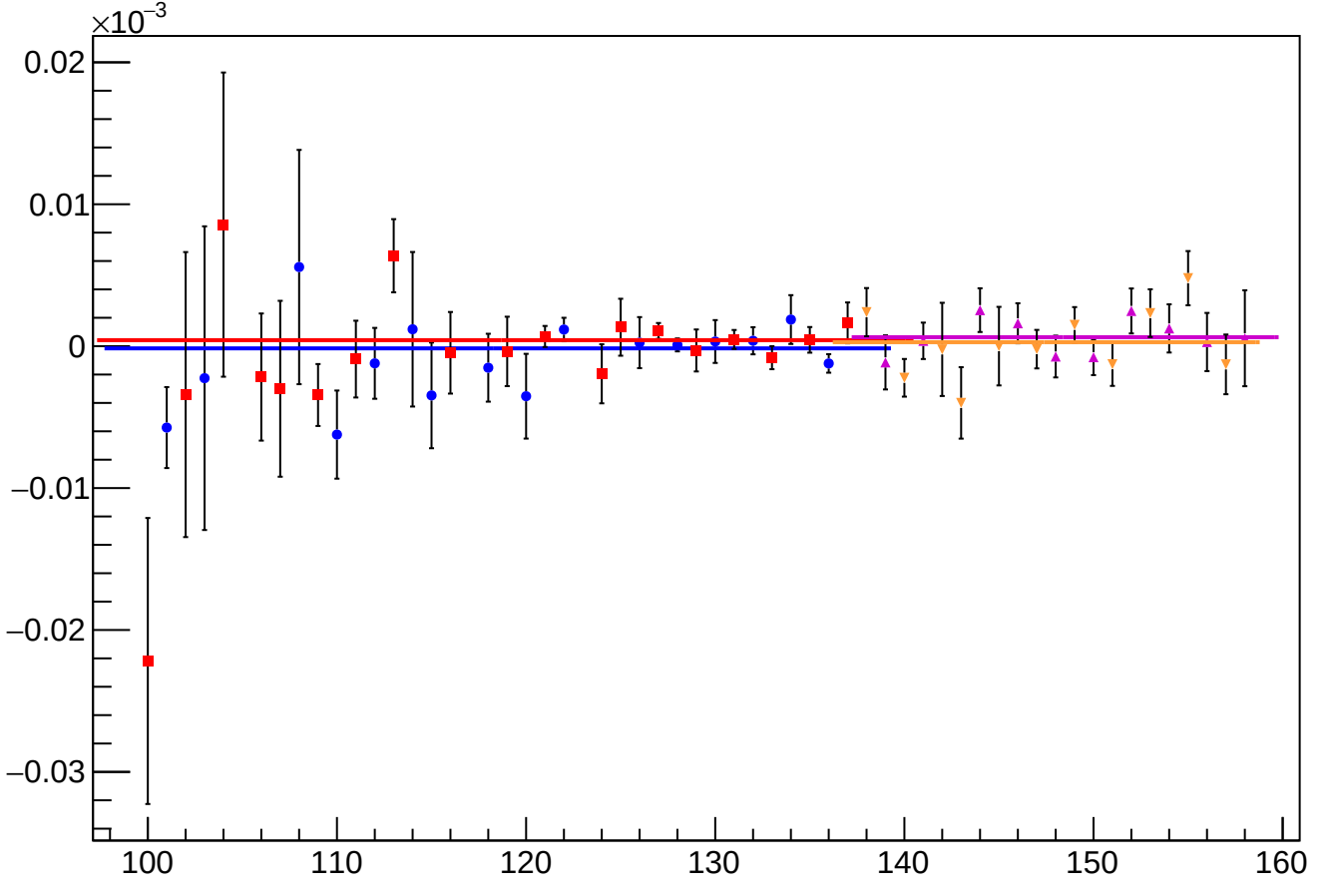
Left In: 31.746+/-0.008 χ^2/NDF:154242.1/9

+ sign 33.155+/-0.007 χ^2/NDF: 3426871.3/26

All: 32.693+/-0.005 χ^2/NDF: 5675273.4/55

- sign 32.261+/-0.007 χ^2/NDF: 2239325.5/28

asym_at1_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.8/10

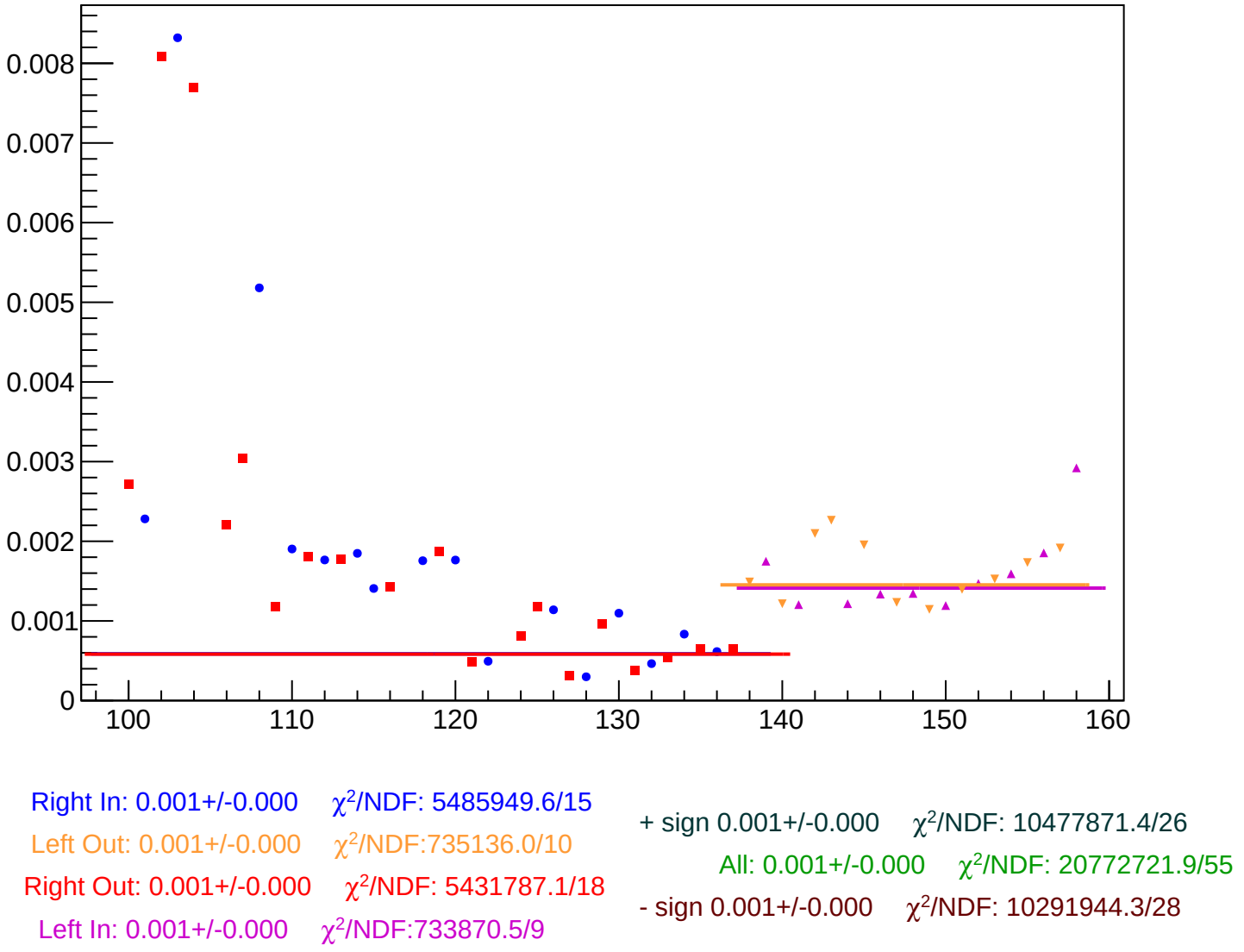
Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

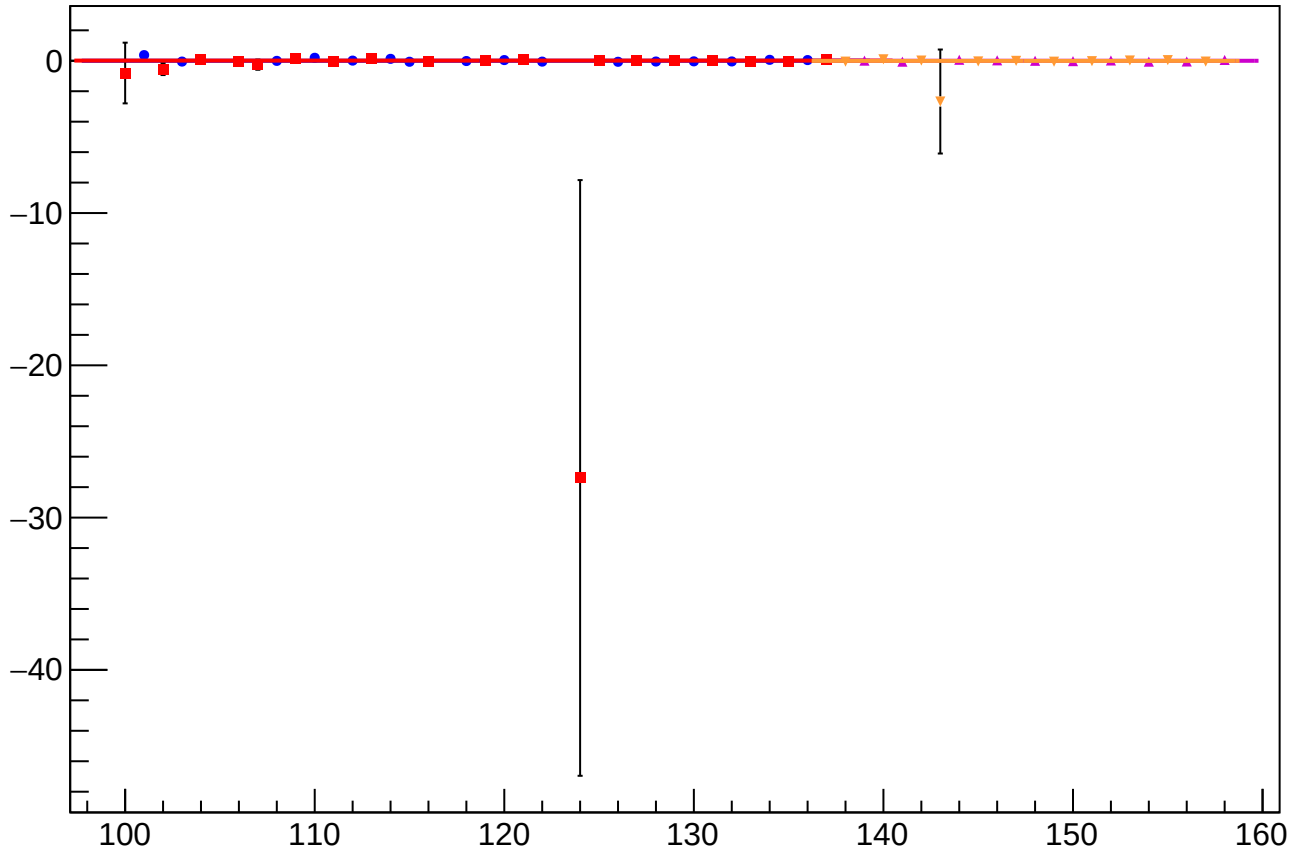
Left In: 0.000+/-0.000 χ^2/NDF:6.5/9

+ sign -0.000+/-0.000 χ^2/NDF: 36.5/26

All: 0.000+/-0.000 χ^2/NDF: 66.9/55

- sign 0.000+/-0.000 χ^2/NDF: 28.2/28


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
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 5485949.6/15
Left Out: 0.001+/-0.000 χ²/NDF:735136.0/10
Right Out: 0.001+/-0.000 χ²/NDF: 5431787.1/18
Left In: 0.001+/-0.000 χ²/NDF:733870.5/9
+ sign 0.001+/-0.000 χ²/NDF: 10477871.4/26
All: 0.001+/-0.000 χ²/NDF: 20772721.9/55
- sign 0.001+/-0.000 χ²/NDF: 10291944.3/28



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.008+/-0.012 χ^2/NDF:15.9/10

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

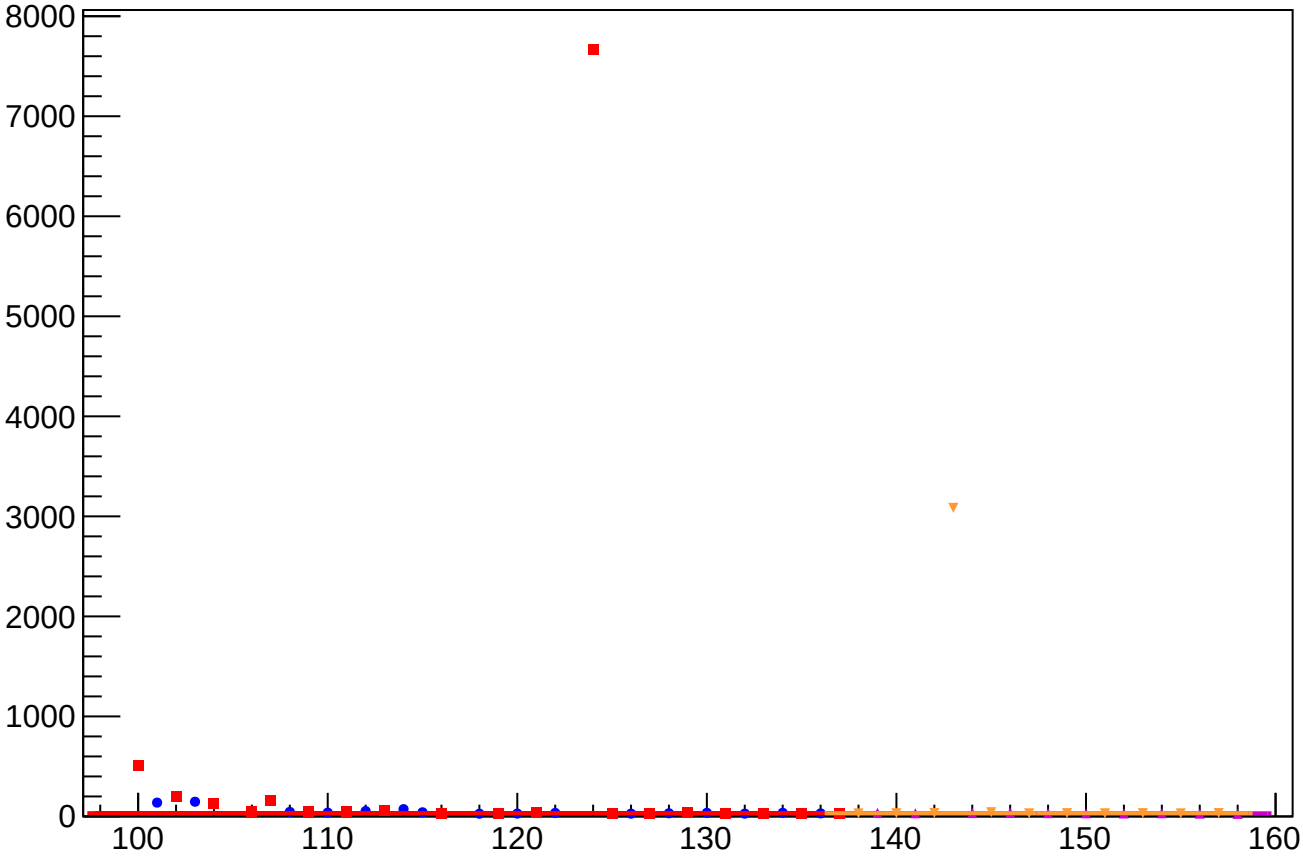
Left In: -0.001+/-0.012 χ^2/NDF:13.6/9

+ sign -0.004+/-0.010 χ^2/NDF: 37.1/26

All: 0.000+/-0.007 χ^2/NDF: 65.8/55

- sign 0.004+/-0.009 χ^2/NDF: 28.3/28

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 32.509+/-0.009 χ^2/NDF:1696818.4/10

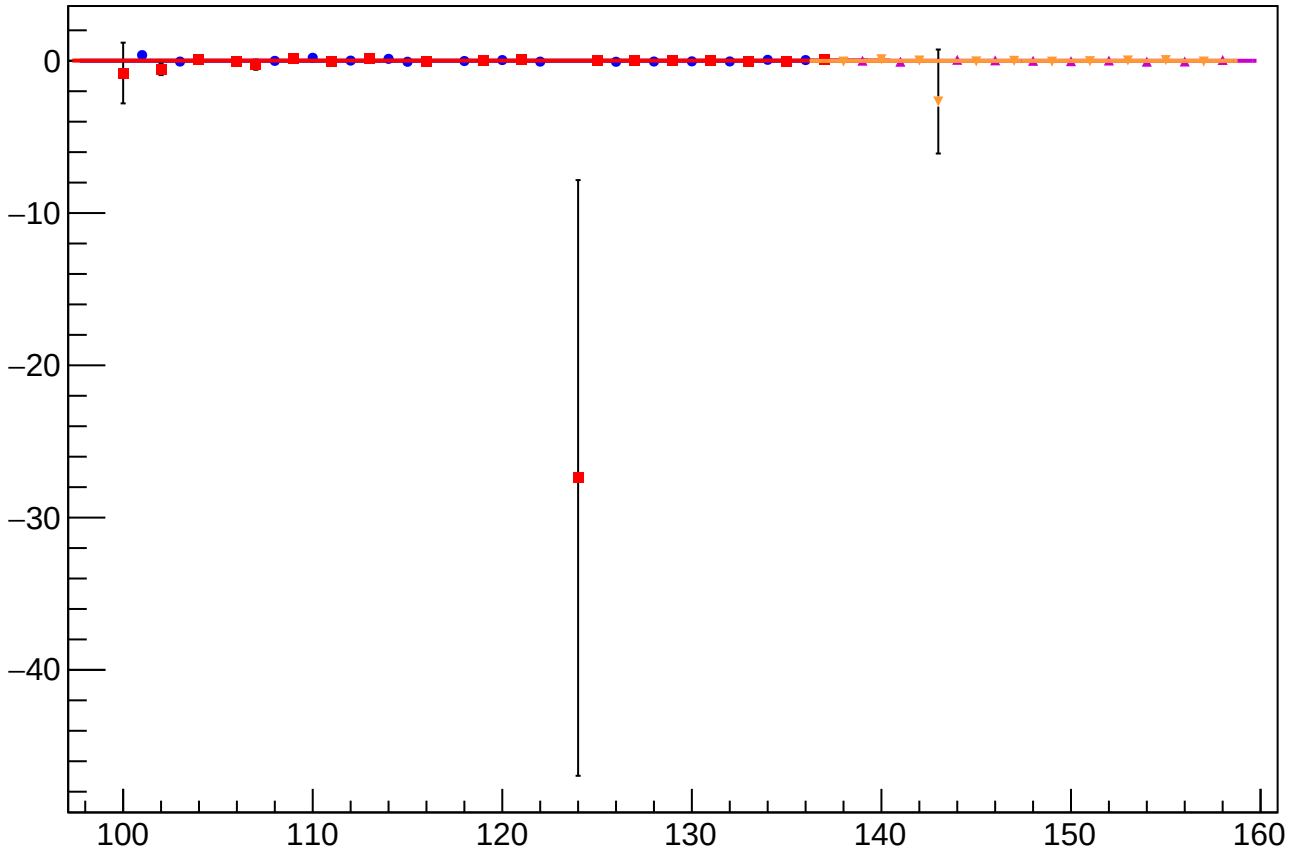
Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 31.747+/-0.008 χ^2/NDF:154186.0/9

+ sign 33.155+/-0.007 χ^2/NDF: 3426865.7/26

All: 32.693+/-0.005 χ^2/NDF: 5675178.7/55

- sign 32.261+/-0.007 χ^2/NDF: 2239242.4/28



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.008+/-0.012 χ^2/NDF:15.9/10

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

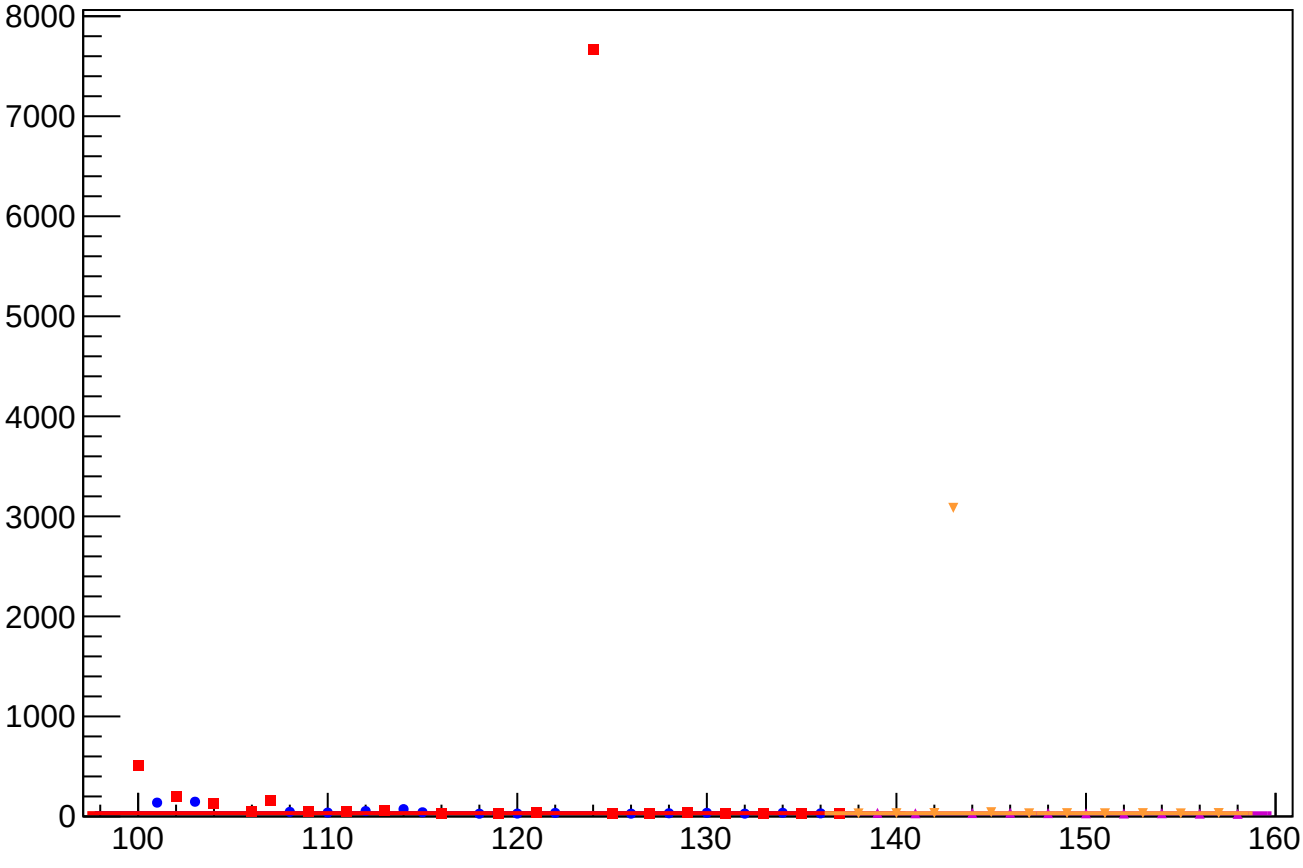
Left In: -0.001+/-0.012 χ^2/NDF:13.6/9

+ sign -0.004+/-0.010 χ^2/NDF: 37.1/26

All: 0.000+/-0.007 χ^2/NDF: 65.8/55

- sign 0.004+/-0.009 χ^2/NDF: 28.3/28

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 32.509+/-0.009 χ^2/NDF:1696818.4/10

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

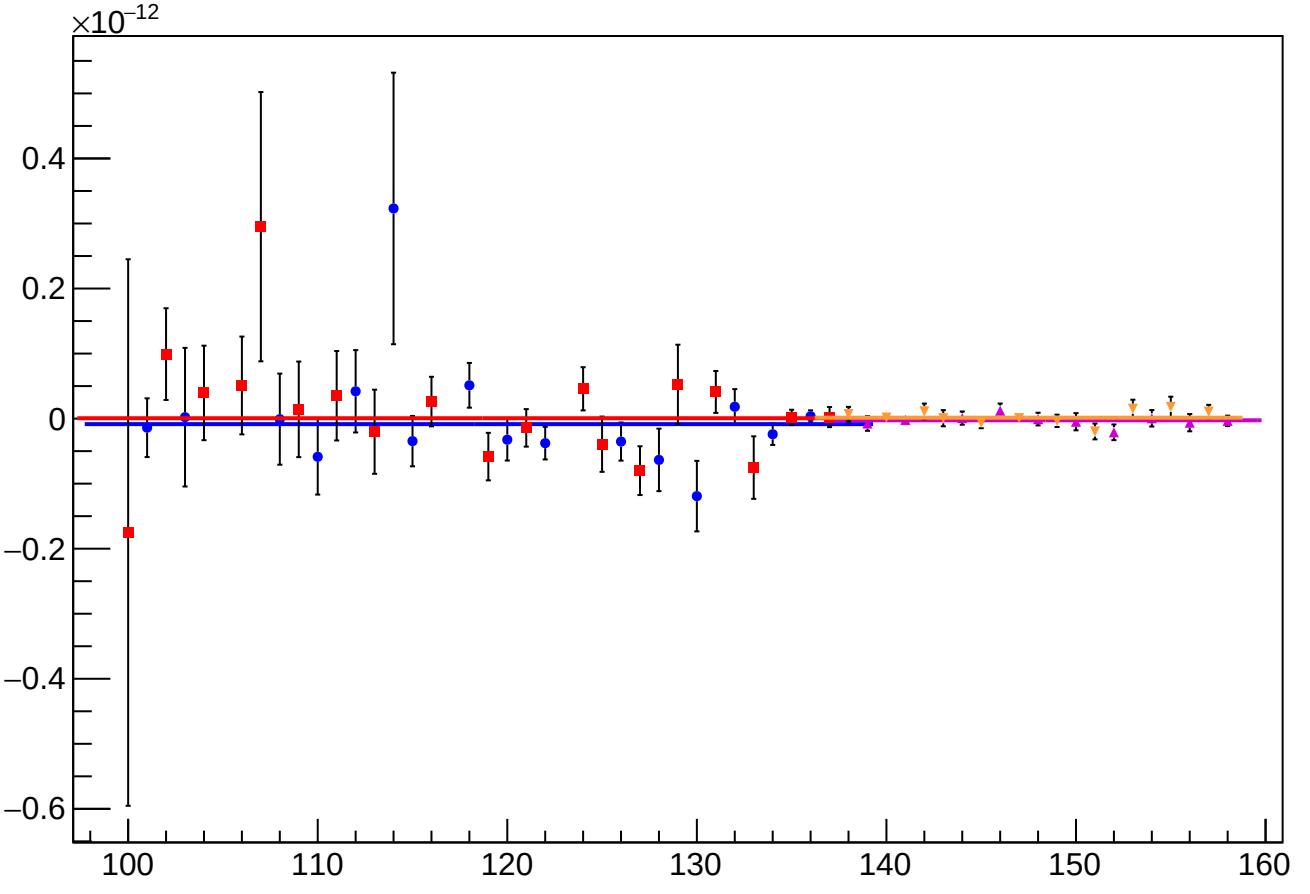
Left In: 31.747+/-0.008 χ^2/NDF:154186.0/9

+ sign 33.155+/-0.007 χ^2/NDF: 3426865.7/26

All: 32.693+/-0.005 χ^2/NDF: 5675178.7/55

- sign 32.261+/-0.007 χ^2/NDF: 2239242.4/28

asym_at1_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.0/10

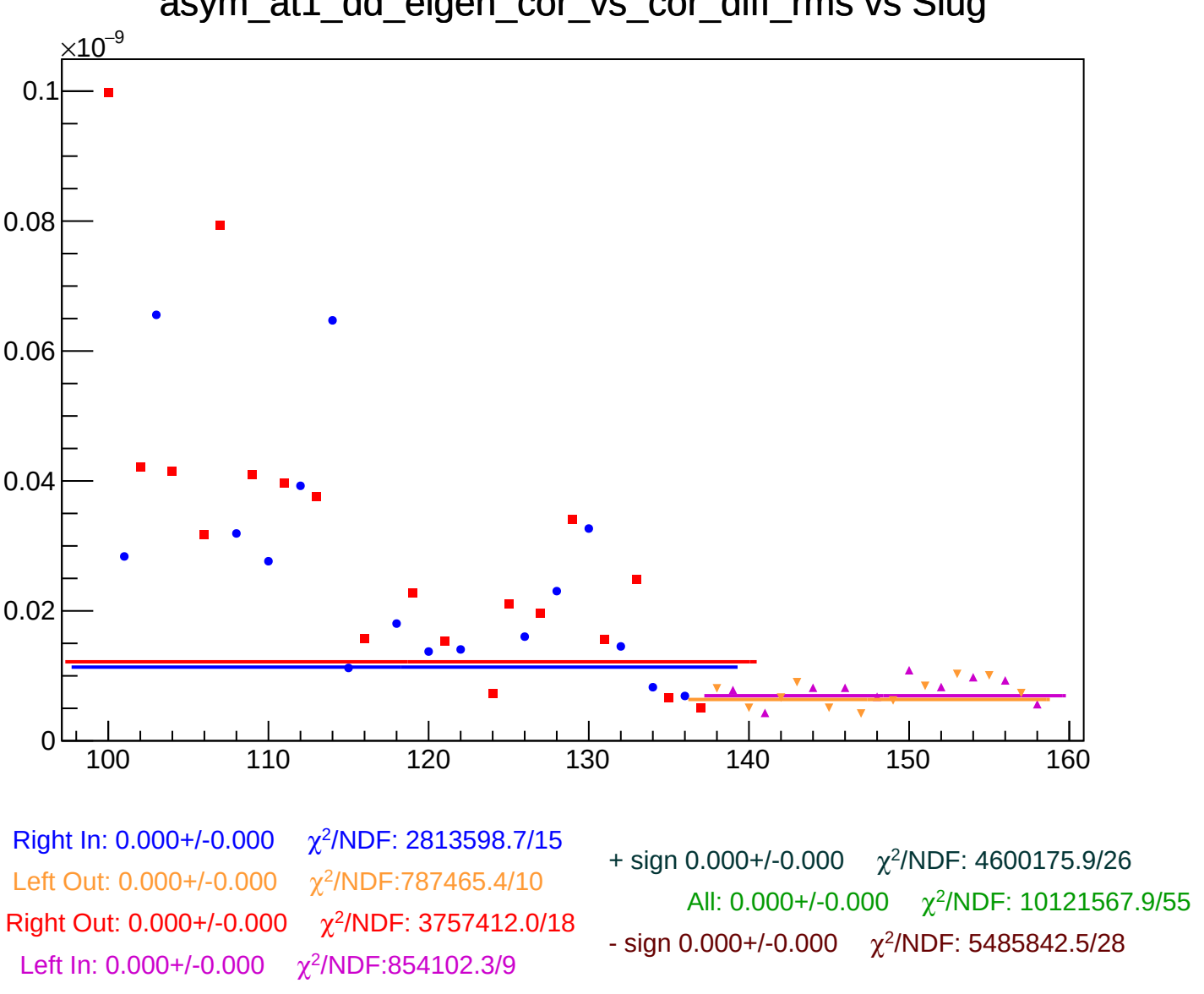
Right Out: 0.000+/-0.000 χ^2/NDF: 20.8/18

Left In: -0.000+/-0.000 χ^2/NDF:4.7/9

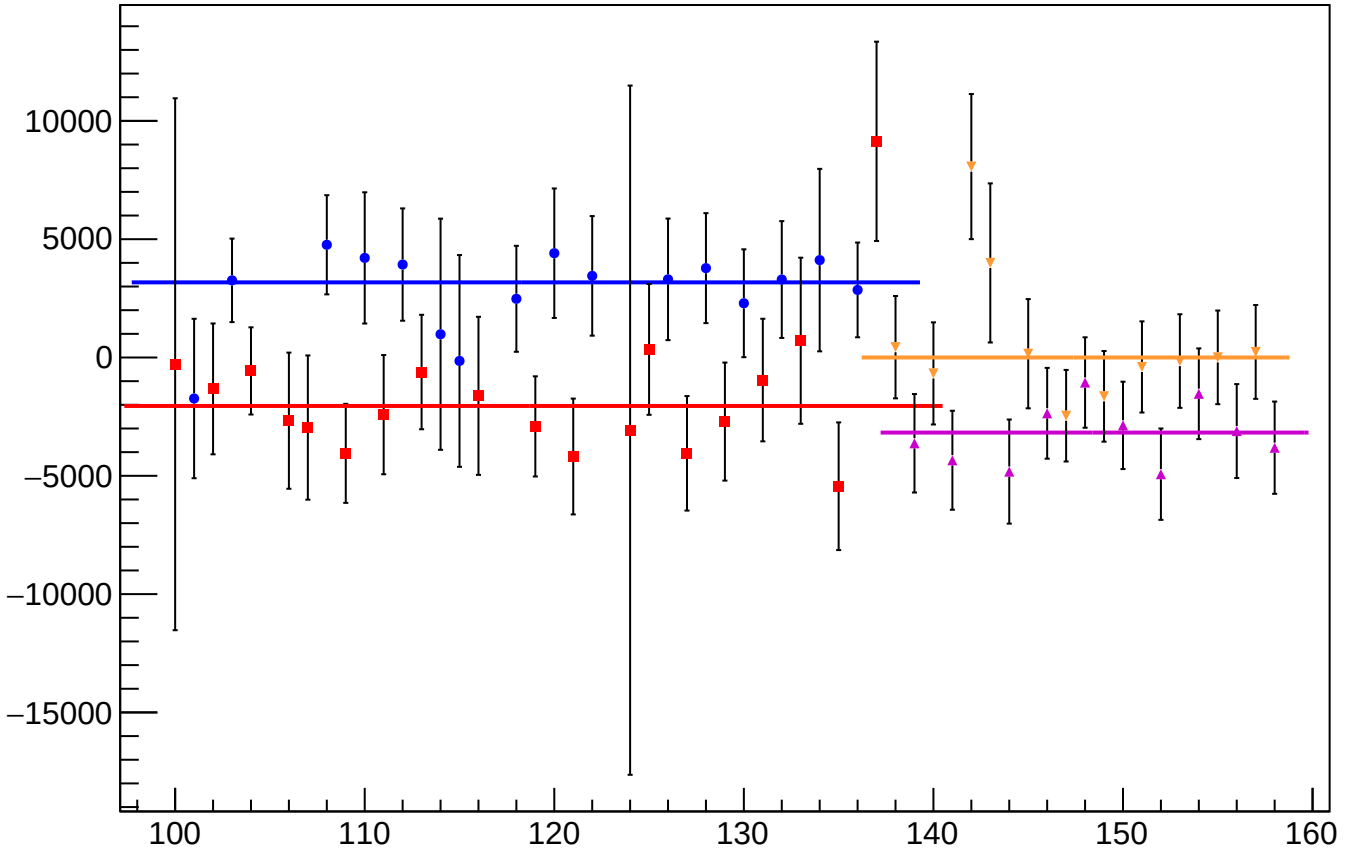
+ sign -0.000+/-0.000 χ^2/NDF: 29.3/26

All: -0.000+/-0.000 χ^2/NDF: 55.1/55

- sign -0.000+/-0.000 χ^2/NDF: 25.6/28


asym_at1_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−9
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2813598.7/15
Left Out: 0.000+/-0.000 χ²/NDF:787465.4/10
Right Out: 0.000+/-0.000 χ²/NDF: 3757412.0/18
Left In: 0.000+/-0.000 χ²/NDF:854102.3/9
+ sign 0.000+/-0.000 χ²/NDF: 4600175.9/26
All: 0.000+/-0.000 χ²/NDF: 10121567.9/55
- sign 0.000+/-0.000 χ²/NDF: 5485842.5/28

reg_asym_at2_avg_mean vs Slug



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: 1.093+/-647.452 χ^2/NDF:10.9/10

Right Out: -2047.403+/-621.498 χ^2/NDF: 14.0/18

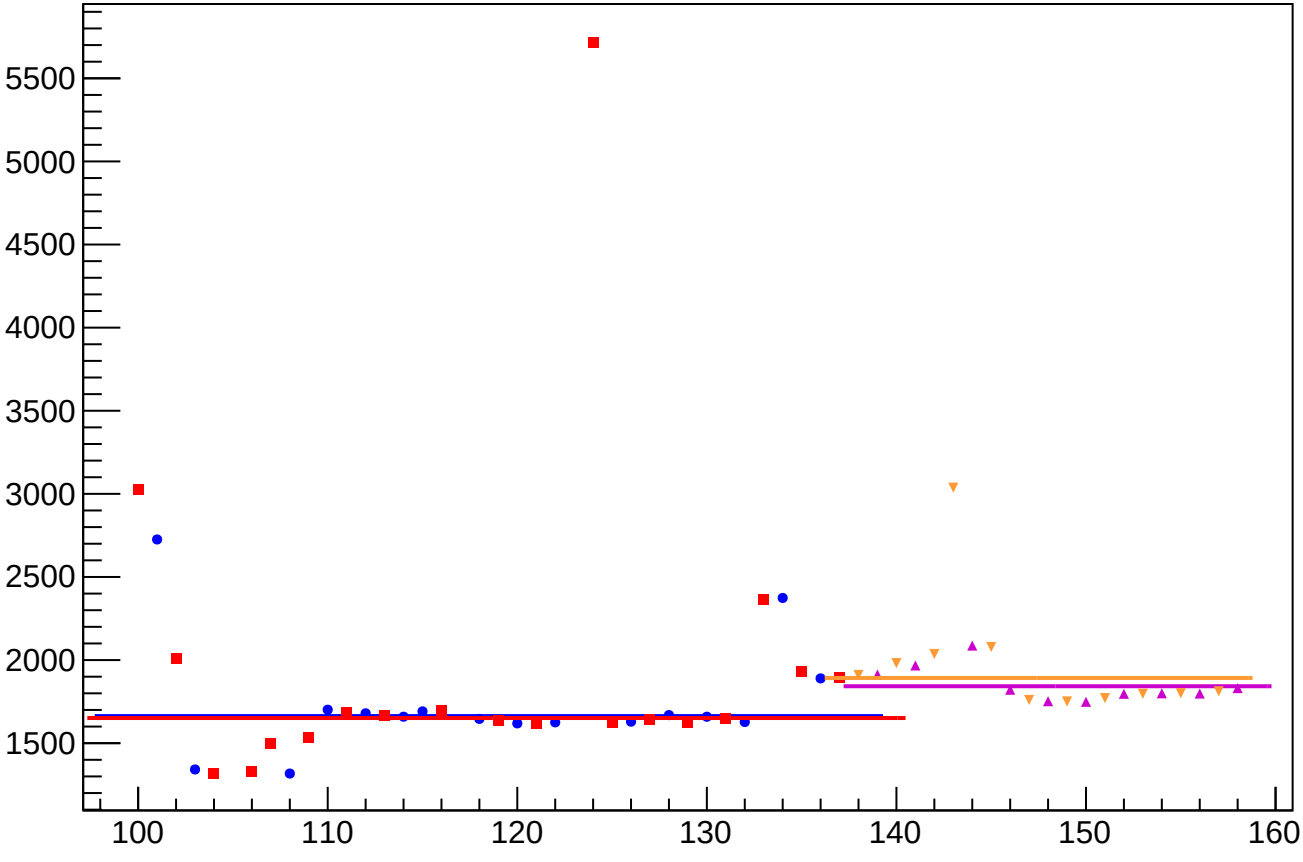
Left In: -3172.517+/-624.721 χ^2/NDF:4.0/9

+ sign 1636.771+/-450.780 χ^2/NDF: 27.6/26

All: -533.598+/-315.089 χ^2/NDF: 92.6/55

- sign -2607.050+/-440.601 χ^2/NDF: 19.7/28

reg_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 1892.380+/-0.458 χ^2/NDF:293285.4/10

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

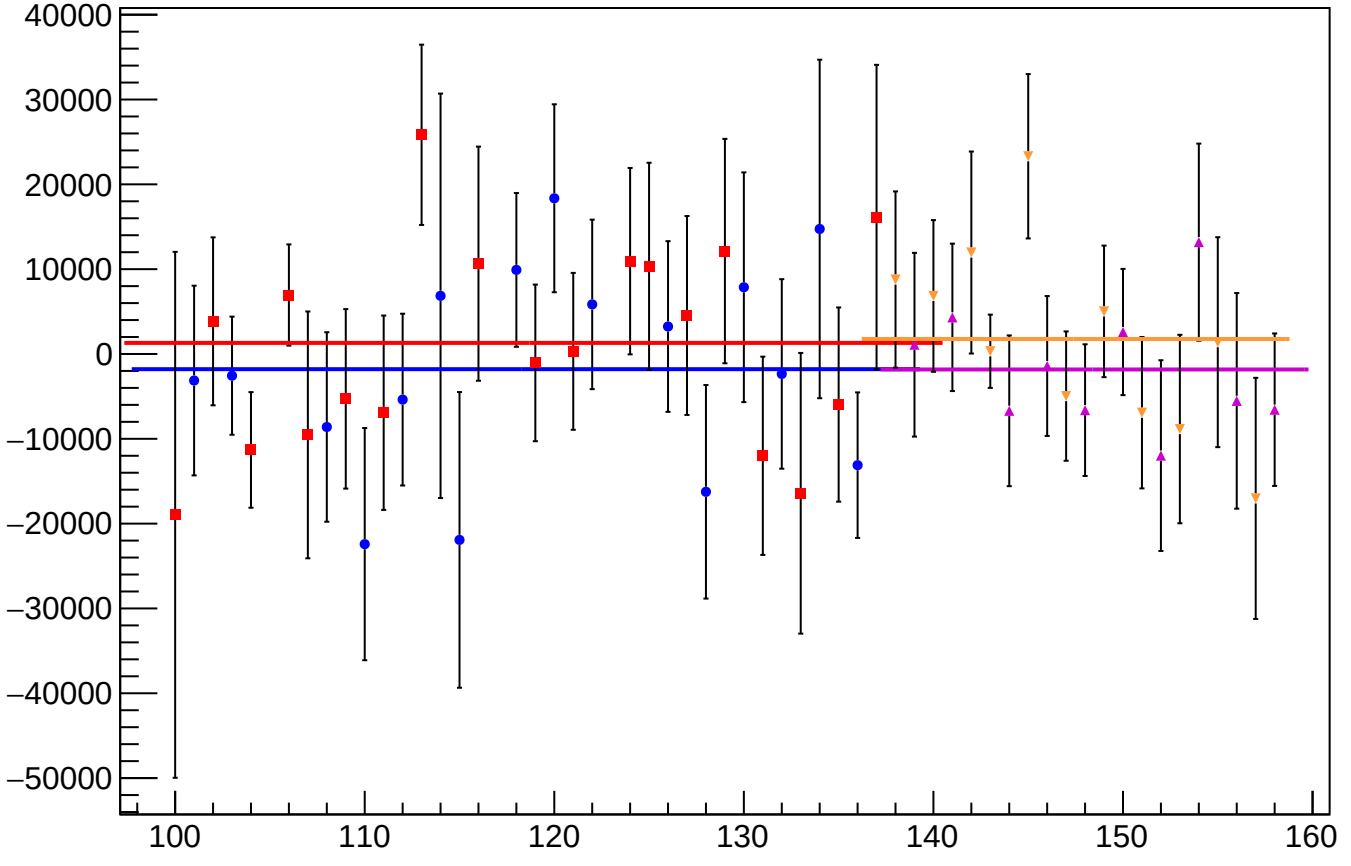
Left In: 1842.564+/-0.442 χ^2/NDF:47115.8/9

+ sign 1774.140+/-0.319 χ^2/NDF: 838371.8/26

All: 1759.978+/-0.223 χ^2/NDF: 1415509.1/55

- sign 1746.448+/-0.312 χ^2/NDF: 573277.2/28

asym_at2_avg_reg_correction_mean vs Slug



Right In: -1791.030+/-2743.617 χ^2/NDF: 14.3/15

Left Out: 1766.564+/-2507.552 χ^2/NDF:11.1/10

Right Out: 1306.311+/-2430.063 χ^2/NDF: 17.7/18

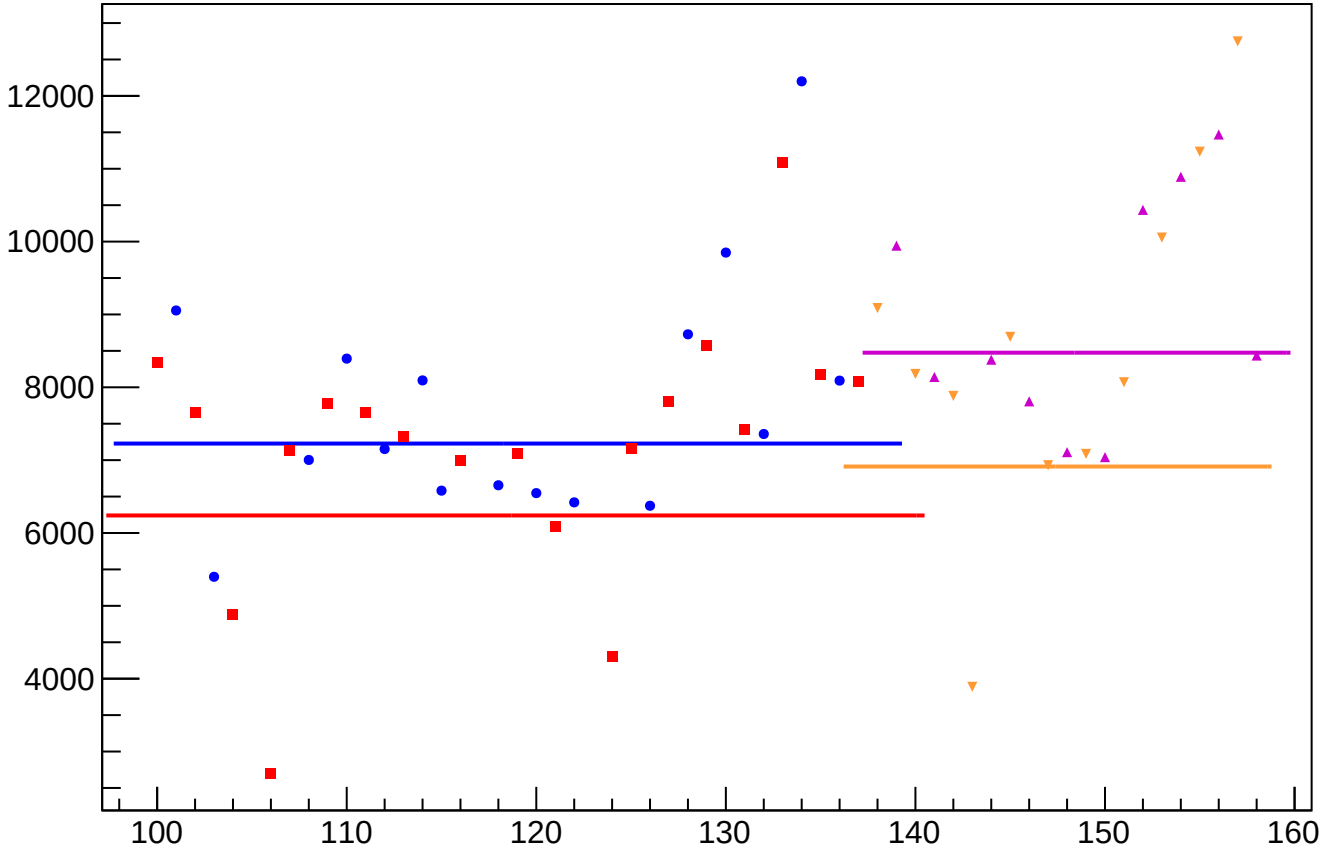
Left In: -1825.731+/-2914.983 χ^2/NDF:4.5/9

+ sign 147.375+/-1850.947 χ^2/NDF: 26.4/26

All: 85.273+/-1314.295 χ^2/NDF: 49.2/55

- sign 22.119+/-1866.539 χ^2/NDF: 22.9/28

asym_at2_avg_reg_correction_rms vs Slug



Right In: 7227.590+/-1.940 χ^2/NDF: 503260.9/15

Left Out: 6912.292+/-1.773 χ^2/NDF:1965234.9/10

Right Out: 6240.557+/-1.718 χ^2/NDF: 1399077.4/18

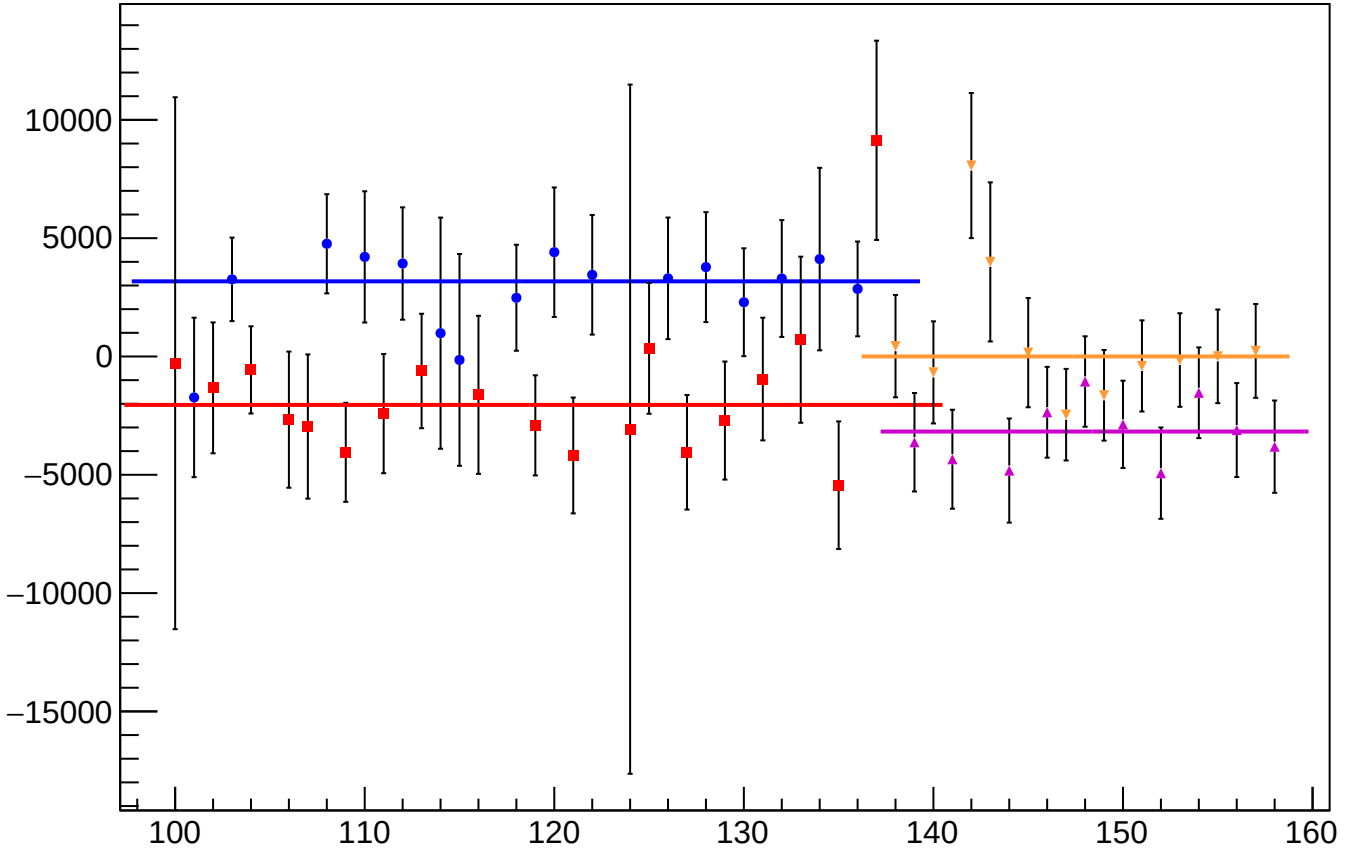
Left In: 8475.020+/-2.061 χ^2/NDF:447563.7/9

+ sign 7055.796+/-1.309 χ^2/NDF: 2482887.6/26

All: 7105.837+/-0.929 χ^2/NDF: 5025812.6/55

- sign 7156.726+/-1.320 χ^2/NDF: 2539976.5/28

cor_asym_at2_avg_mean vs Slug



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 1.073+/-647.452 χ^2/NDF:10.9/10

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

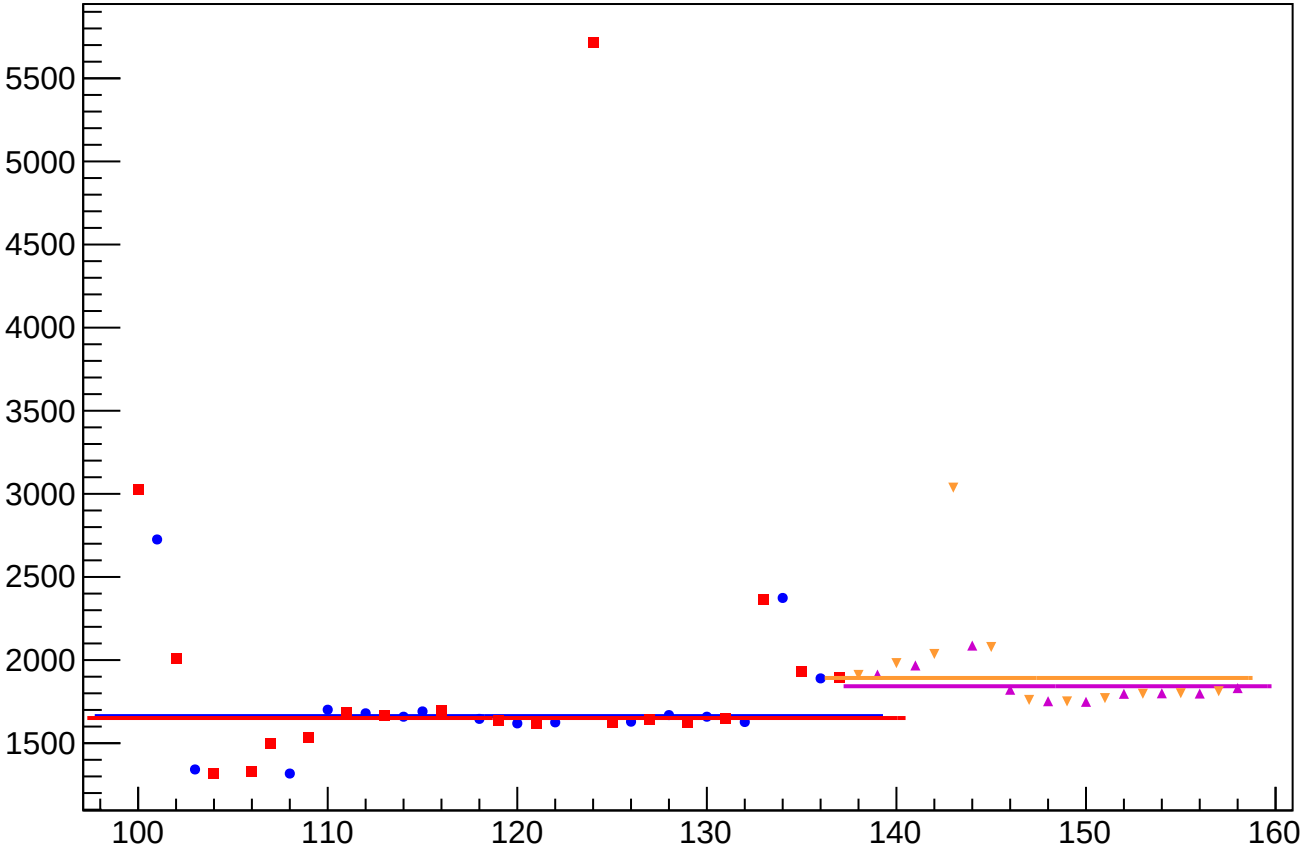
Left In: -3172.653+/-624.721 χ^2/NDF:4.0/9

+ sign 1636.807+/-450.780 χ^2/NDF: 27.6/26

All: -533.565+/-315.089 χ^2/NDF: 92.6/55

- sign -2607.020+/-440.601 χ^2/NDF: 19.7/28

cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1892.380+/-0.458 χ^2/NDF:293285.5/10

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

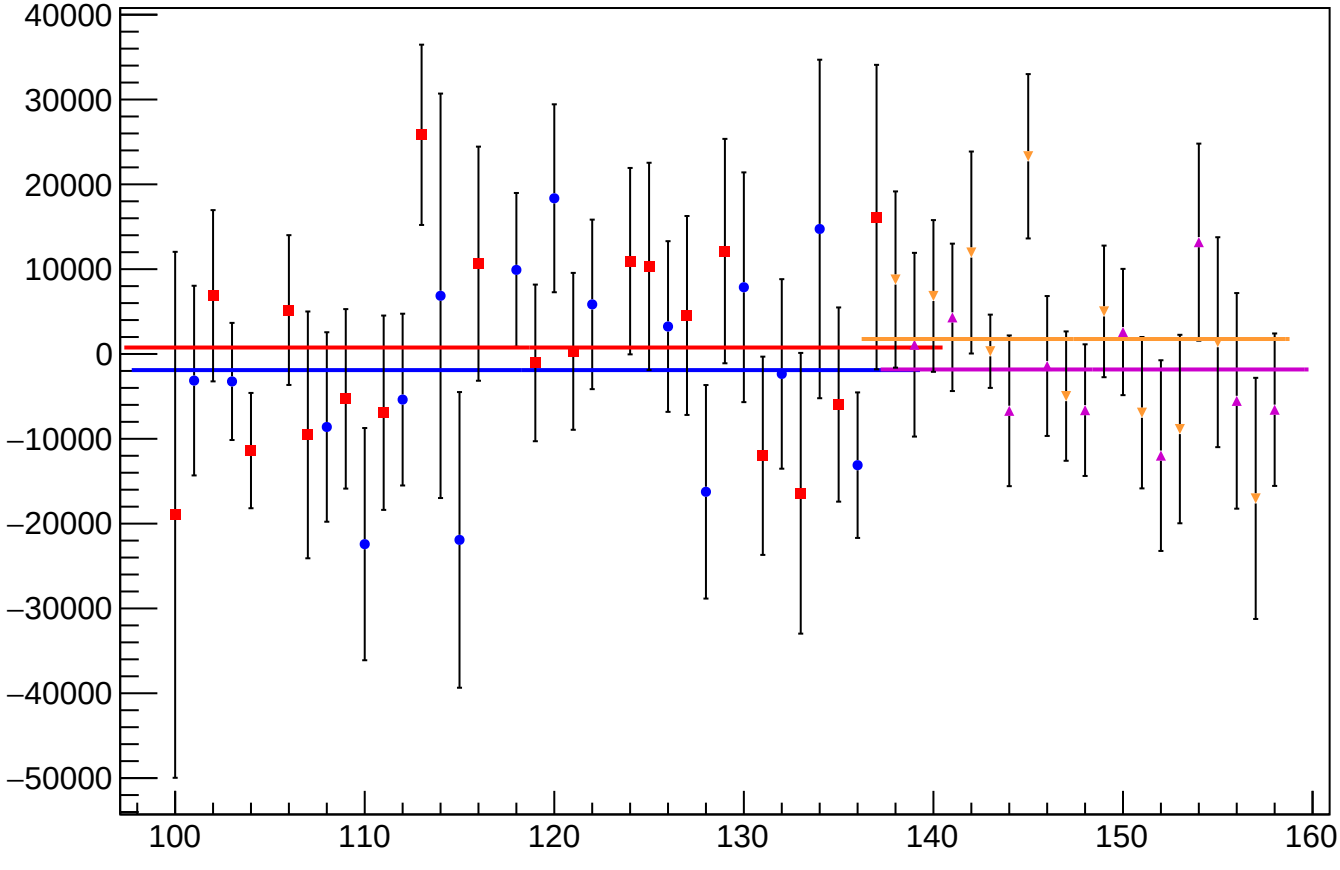
Left In: 1842.564+/-0.442 χ^2/NDF:47115.8/9

+ sign 1774.140+/-0.319 χ^2/NDF: 838372.3/26

All: 1759.978+/-0.223 χ^2/NDF: 1415509.9/55

- sign 1746.448+/-0.312 χ^2/NDF: 573277.5/28

asym_at2_avg_cor_correction_mean vs Slug



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 1766.469+/-2507.542 χ^2/NDF:11.1/10

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

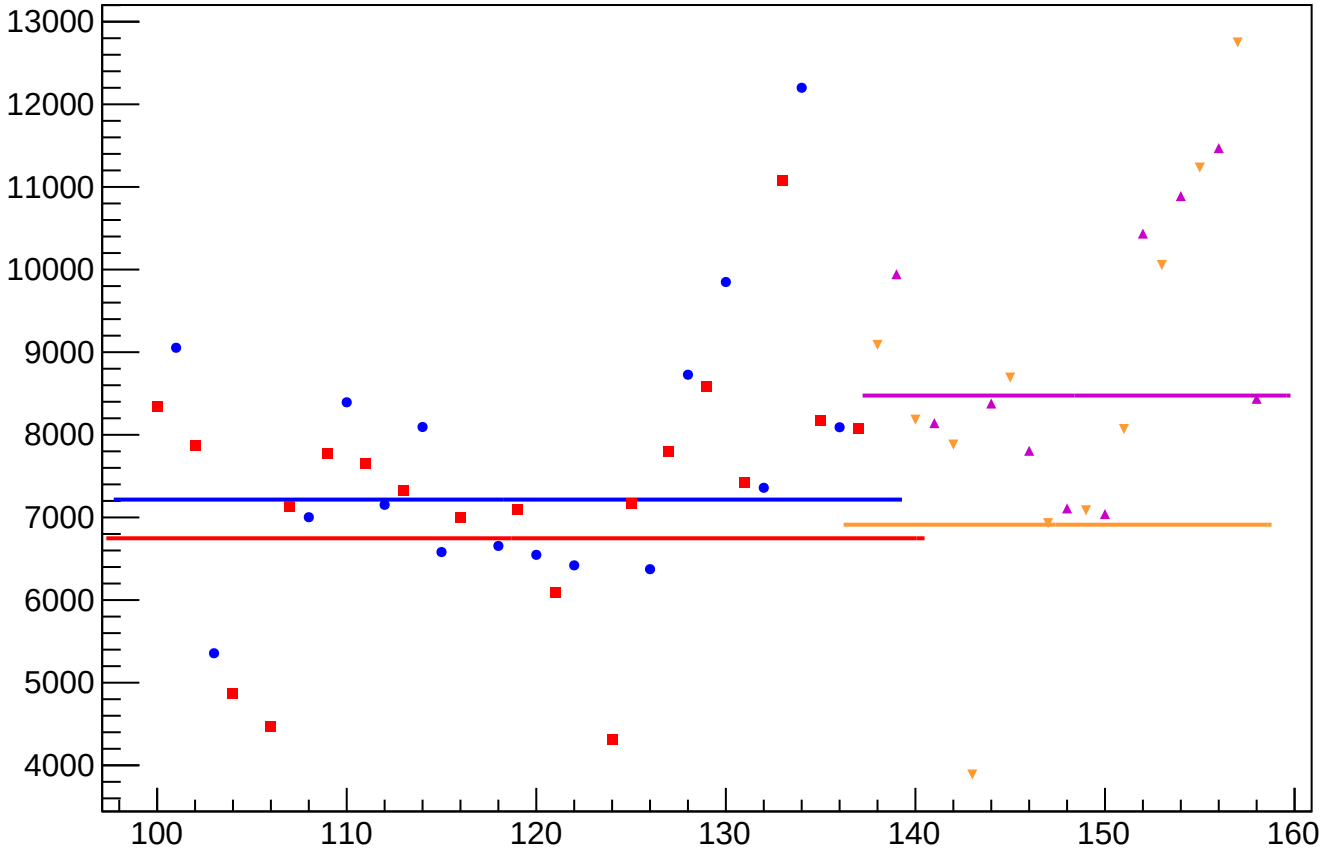
Left In: -1825.902+/-2914.981 χ^2/NDF:4.5/9

+ sign 95.248+/-1849.817 χ^2/NDF: 26.5/26

All: -123.784+/-1331.887 χ^2/NDF: 48.7/55

- sign -359.566+/-1919.245 χ^2/NDF: 22.2/28

asym_at2_avg_cor_correction_rms vs Slug



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 6912.254+/-1.773 χ^2/NDF:1965280.1/10

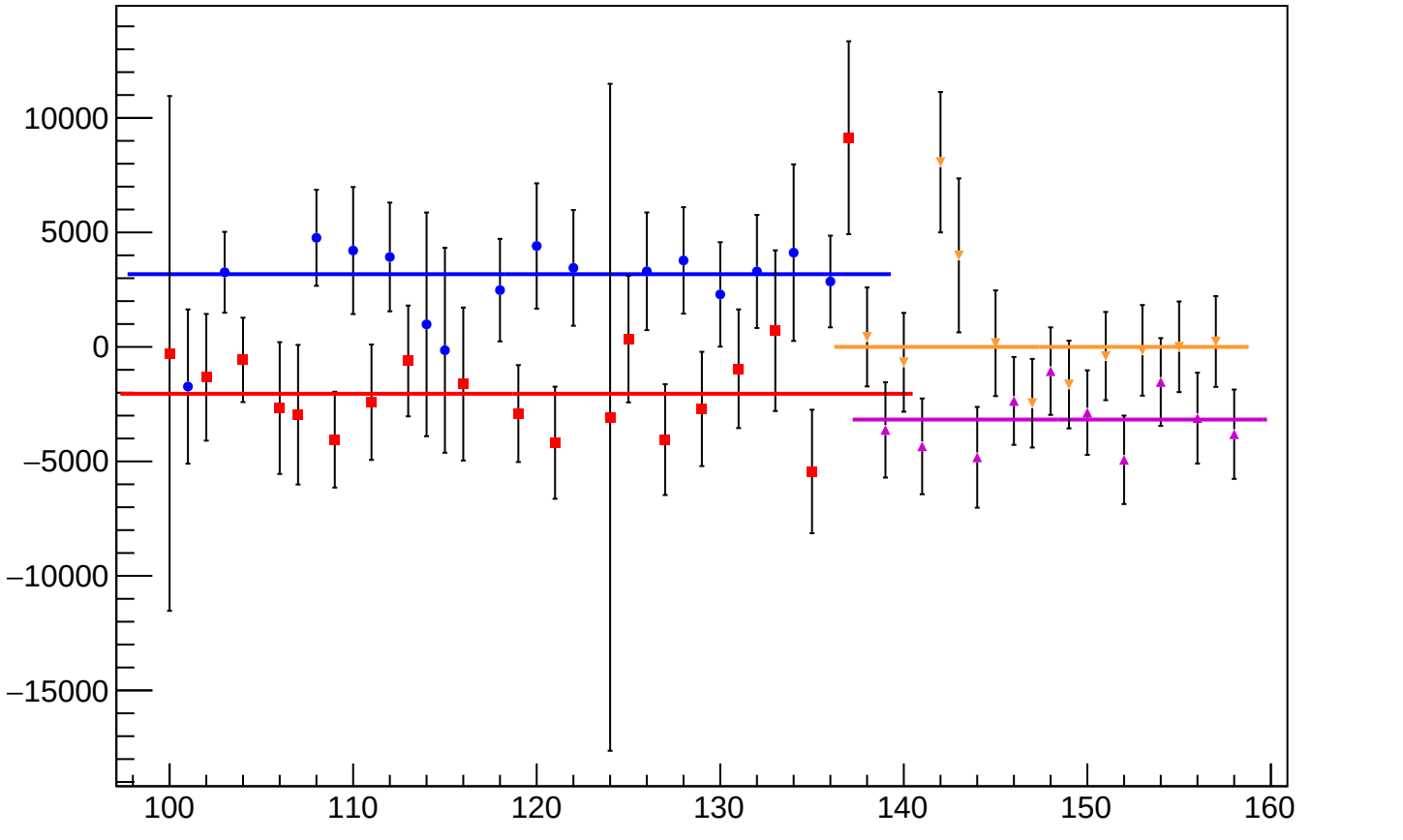
Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8475.014+/-2.061 χ^2/NDF:447565.8/9

+ sign 7050.714+/-1.308 χ^2/NDF: 2490785.1/26

All: 7265.404+/-0.942 χ^2/NDF: 4100900.5/55

- sign 7496.512+/-1.357 χ^2/NDF: 1554175.4/28



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 1.073+/-647.452 χ^2/NDF:10.9/10

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

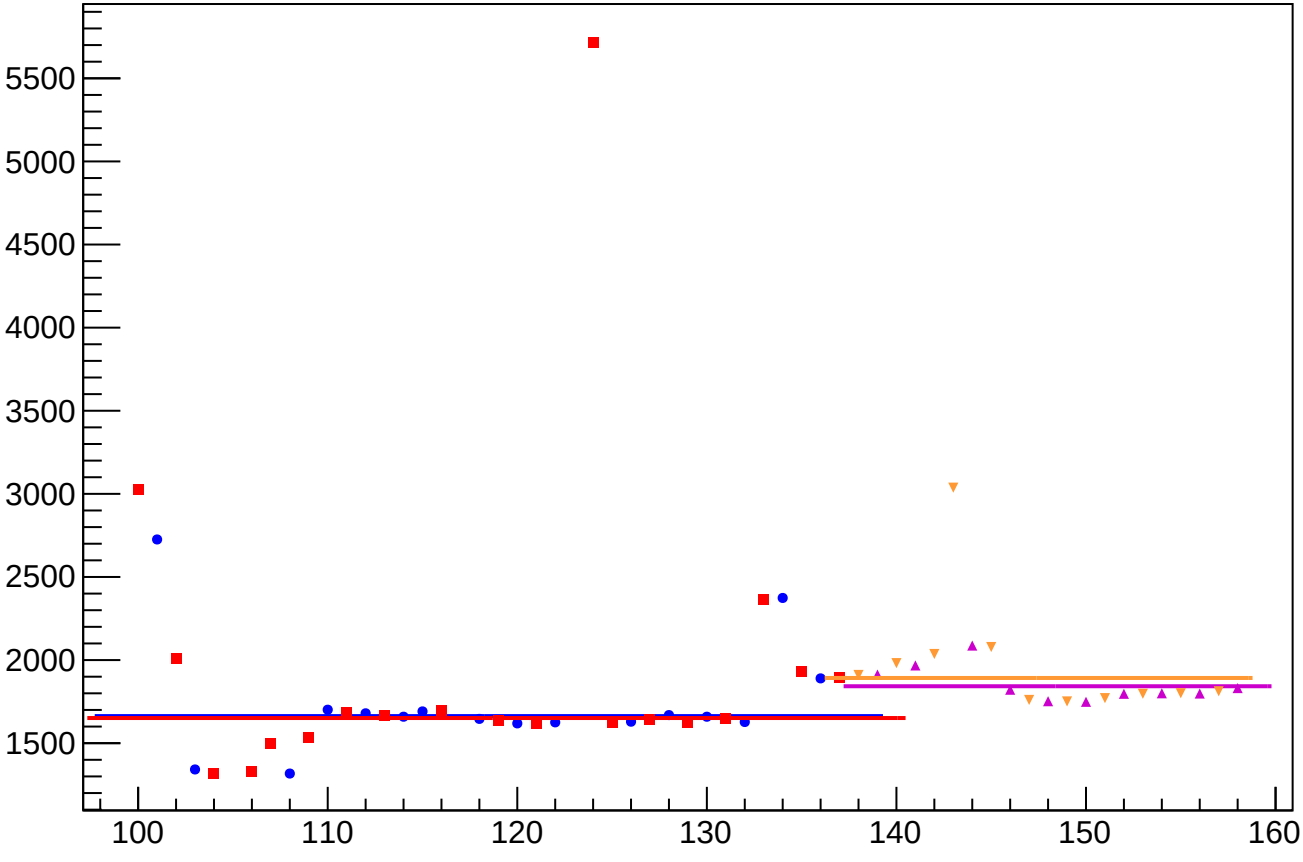
Left In: -3172.653+/-624.721 χ^2/NDF:4.0/9

+ sign 1636.807+/-450.780 χ^2/NDF: 27.6/26

All: -533.565+/-315.089 χ^2/NDF: 92.6/55

- sign -2607.020+/-440.601 χ^2/NDF: 19.7/28

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1892.380+/-0.458 χ^2/NDF:293285.5/10

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

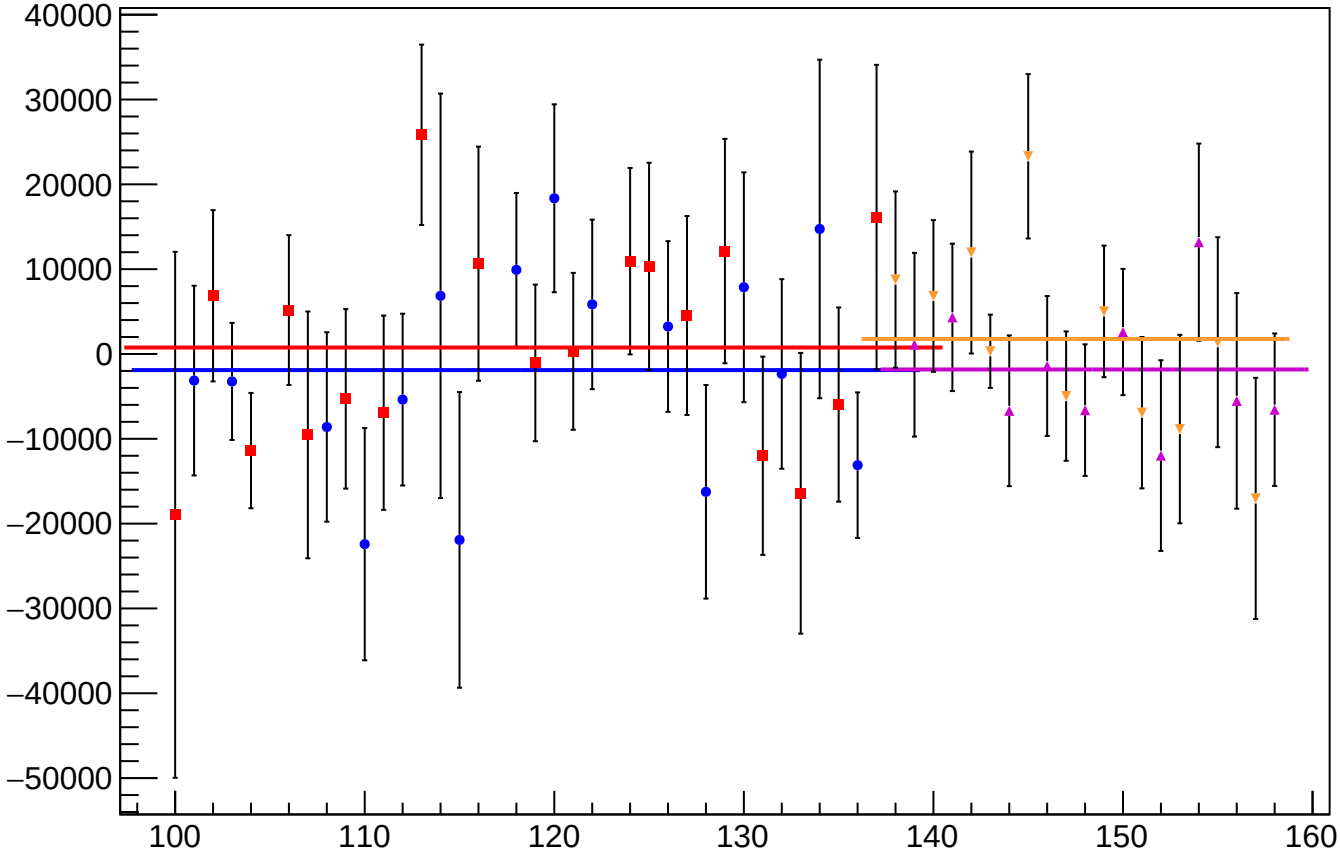
Left In: 1842.564+/-0.442 χ^2/NDF:47115.8/9

+ sign 1774.140+/-0.319 χ^2/NDF: 838372.3/26

All: 1759.978+/-0.223 χ^2/NDF: 1415509.9/55

- sign 1746.448+/-0.312 χ^2/NDF: 573277.5/28

asym_at2_avg_eigen_cor_correction_mean vs Slug



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 1766.469+/-2507.542 χ^2/NDF:11.1/10

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

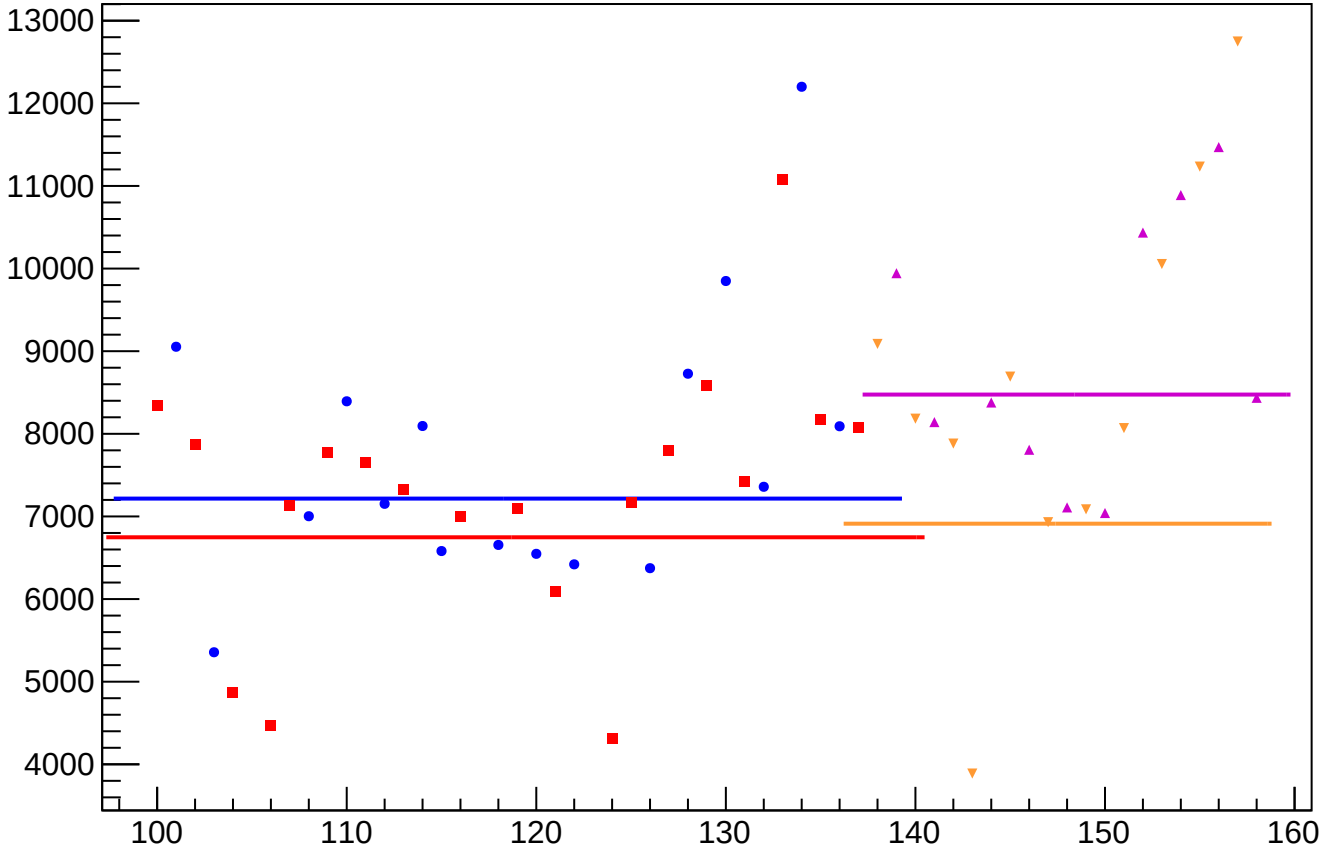
Left In: -1825.902+/-2914.981 χ^2/NDF:4.5/9

+ sign 95.248+/-1849.817 χ^2/NDF: 26.5/26

All: -123.784+/-1331.887 χ^2/NDF: 48.7/55

- sign -359.566+/-1919.245 χ^2/NDF: 22.2/28

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 6912.254+/-1.773 χ^2/NDF:1965280.1/10

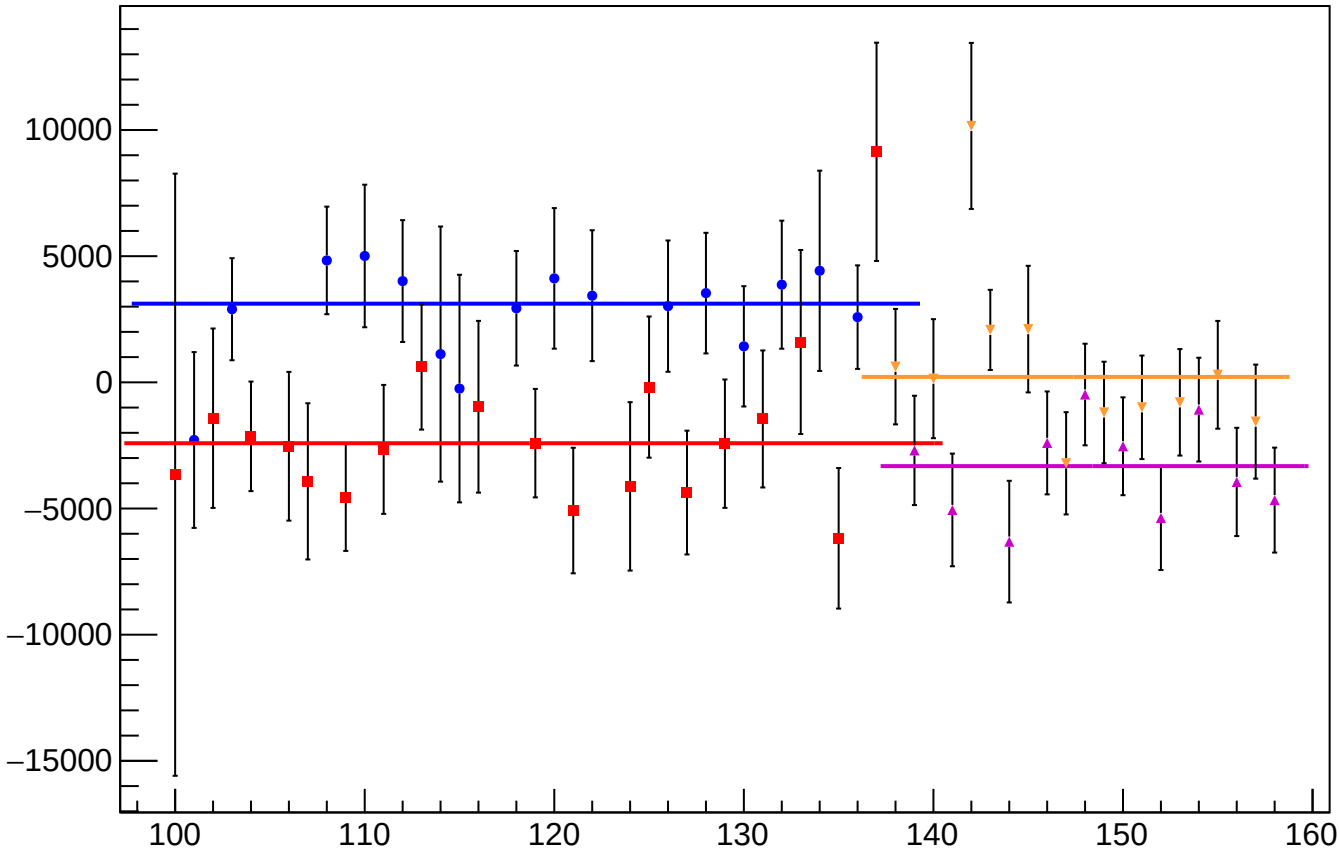
Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8475.014+/-2.061 χ^2/NDF:447565.8/9

+ sign 7050.714+/-1.308 χ^2/NDF: 2490785.1/26

All: 7265.404+/-0.942 χ^2/NDF: 4100900.5/55

- sign 7496.512+/-1.357 χ^2/NDF: 1554175.4/28



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: 215.340+/-647.265 χ^2/NDF:15.7/10

Right Out: -2412.473+/-639.018 χ^2/NDF: 16.0/18

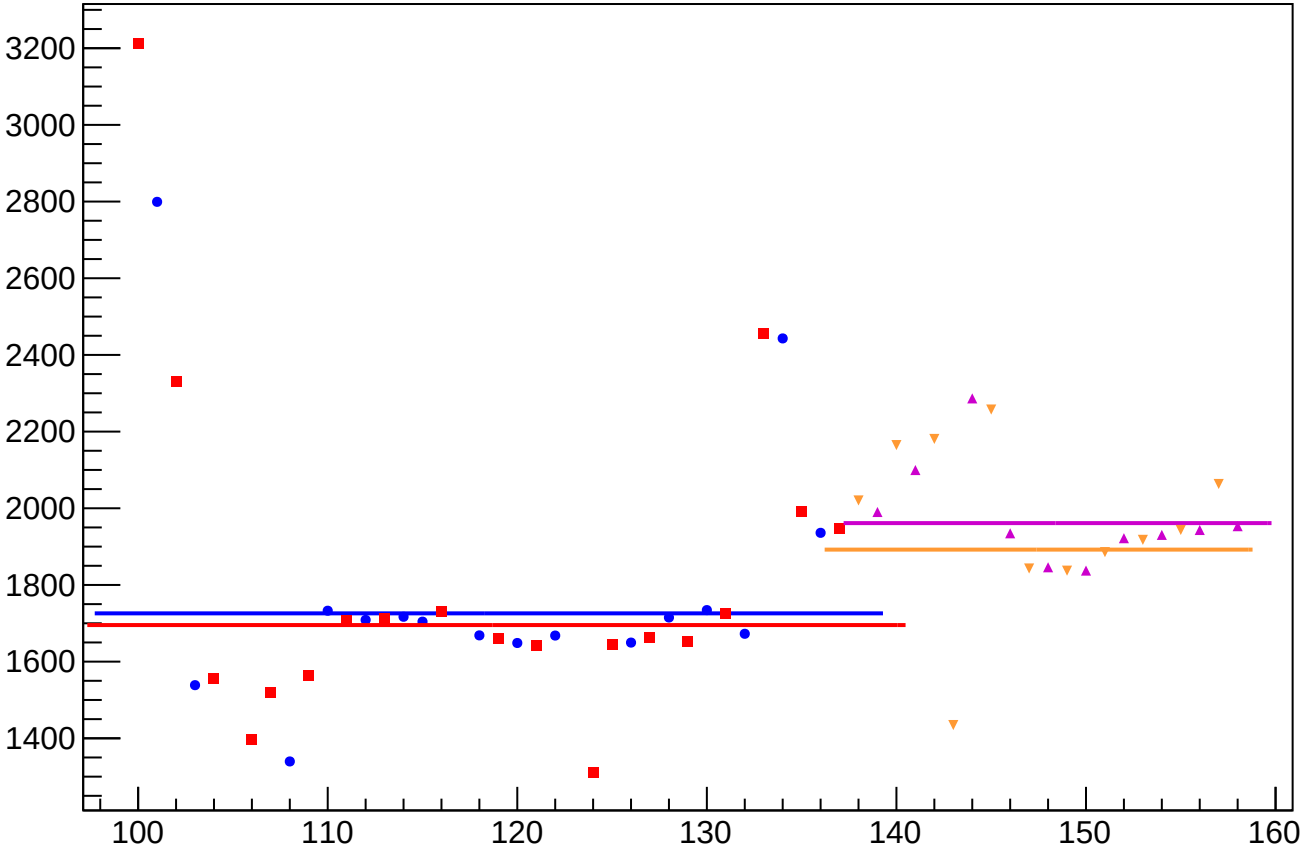
Left In: -3320.073+/-665.378 χ^2/NDF:7.3/9

+ sign 1657.994+/-459.042 χ^2/NDF: 31.0/26

All: -585.914+/-325.243 χ^2/NDF: 103.2/55

- sign -2847.939+/-460.891 χ^2/NDF: 24.2/28

dit_asym_at2_avg_rms vs Slug



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 1892.185+/-0.458 χ^2/NDF:272481.1/10

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

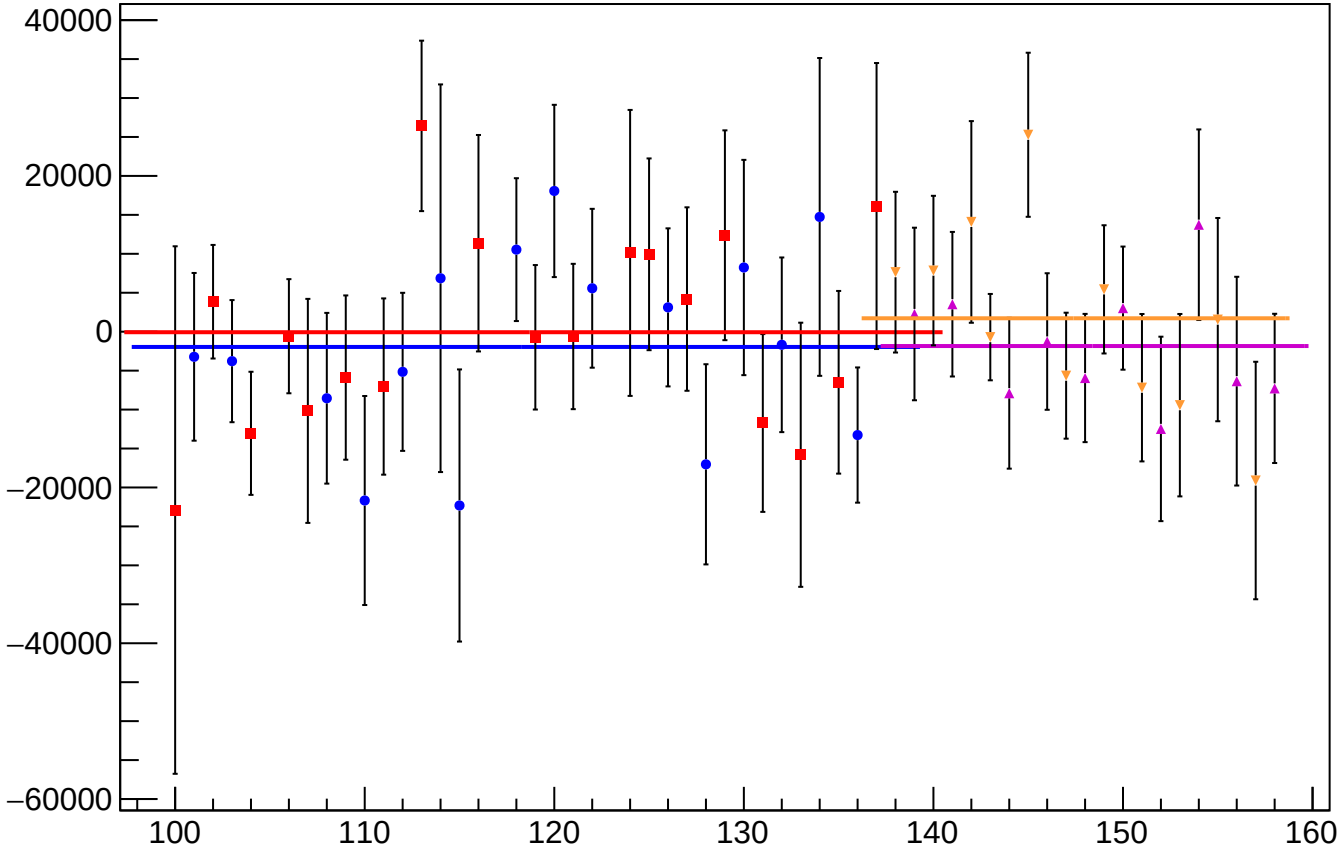
Left In: 1961.315+/-0.470 χ^2/NDF:60862.5/9

+ sign 1809.541+/-0.325 χ^2/NDF: 703719.1/26

All: 1816.210+/-0.230 χ^2/NDF: 1217295.2/55

- sign 1822.930+/-0.326 χ^2/NDF: 512728.7/28

asym_at2_avg_dit_correction_mean vs Slug



Right In: -1958.559+/-2798.309 χ^2/NDF: 14.4/15

Left Out: 1722.229+/-2812.103 χ^2/NDF:11.5/10

Right Out: -68.156+/-2529.527 χ^2/NDF: 16.1/18

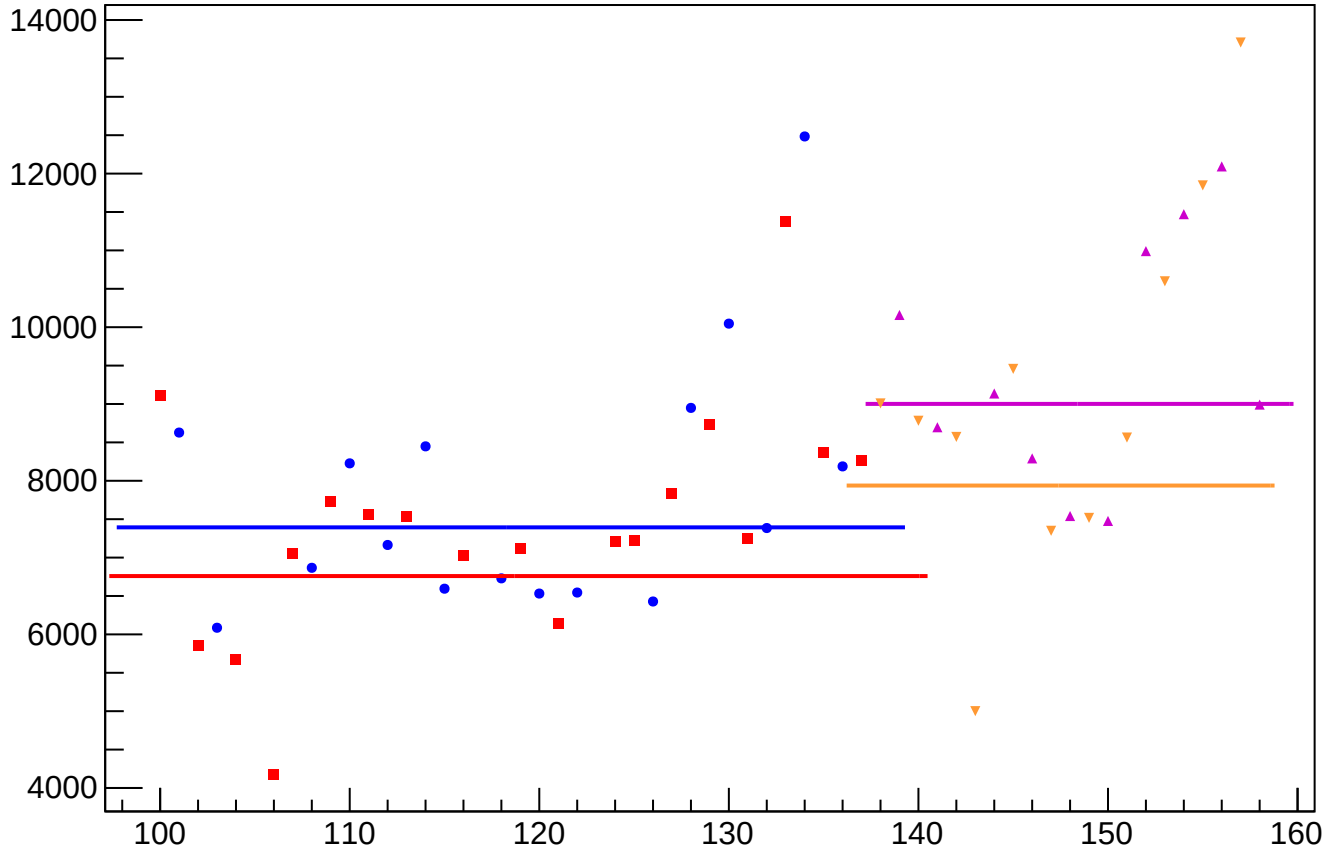
Left In: -1841.841+/-3093.766 χ^2/NDF:4.4/9

+ sign -127.215+/-1983.562 χ^2/NDF: 26.8/26

All: -457.187+/-1393.567 χ^2/NDF: 47.5/55

- sign -778.802+/-1958.284 χ^2/NDF: 20.7/28

asym_at2_avg_dit_correction_rms vs Slug



Right In: 7393.622+/-1.979 χ^2/NDF: 401826.8/15

Left Out: 7938.059+/-1.988 χ^2/NDF:1238467.6/10

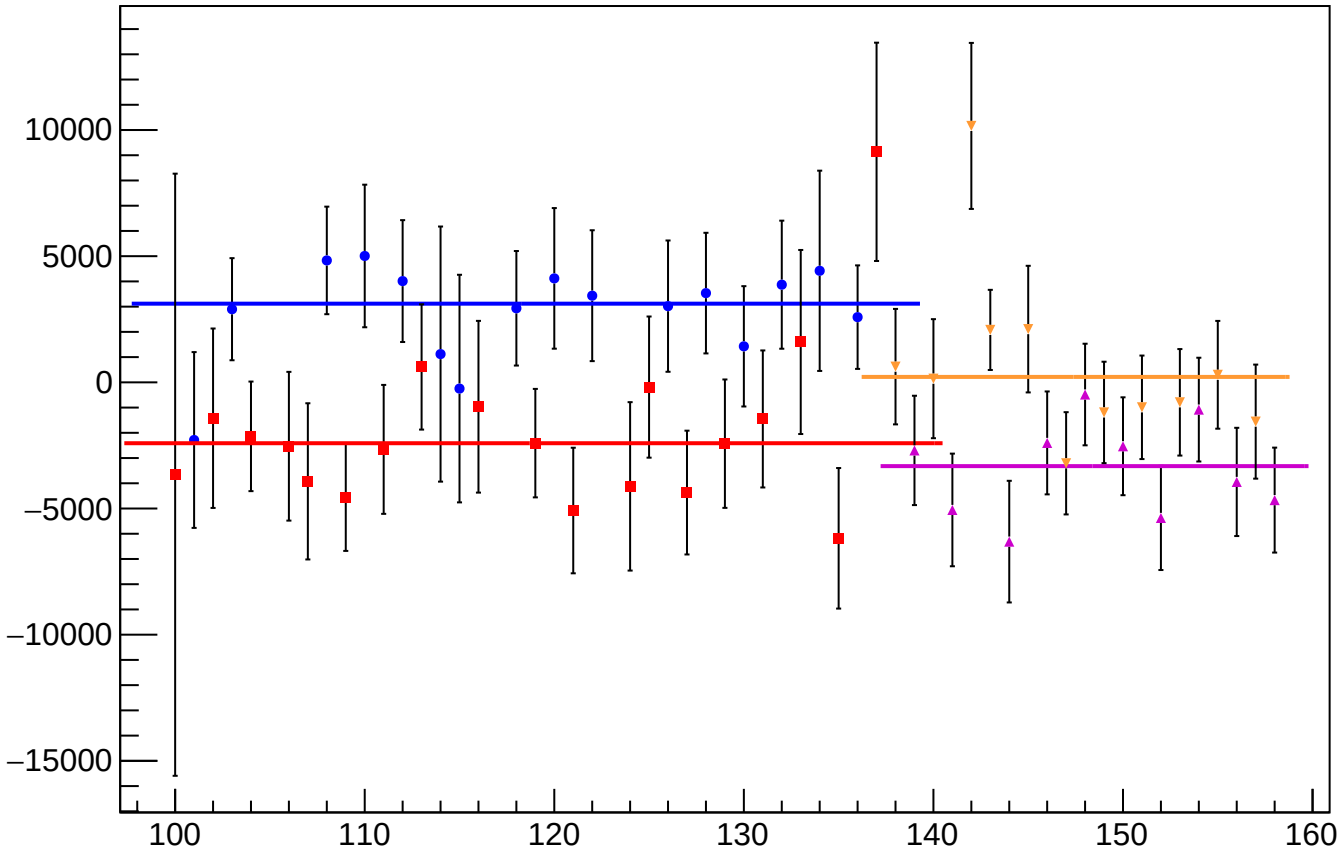
Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

Left In: 9001.177+/-2.188 χ^2/NDF:419254.5/9

+ sign 7664.502+/-1.403 χ^2/NDF: 1677961.5/26

All: 7661.011+/-0.985 χ^2/NDF: 3370883.3/55

- sign 7657.608+/-1.385 χ^2/NDF: 1692909.6/28



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: 215.335+/-647.265 χ^2/NDF:15.7/10

Right Out: -2412.481+/-639.018 χ^2/NDF: 16.0/18

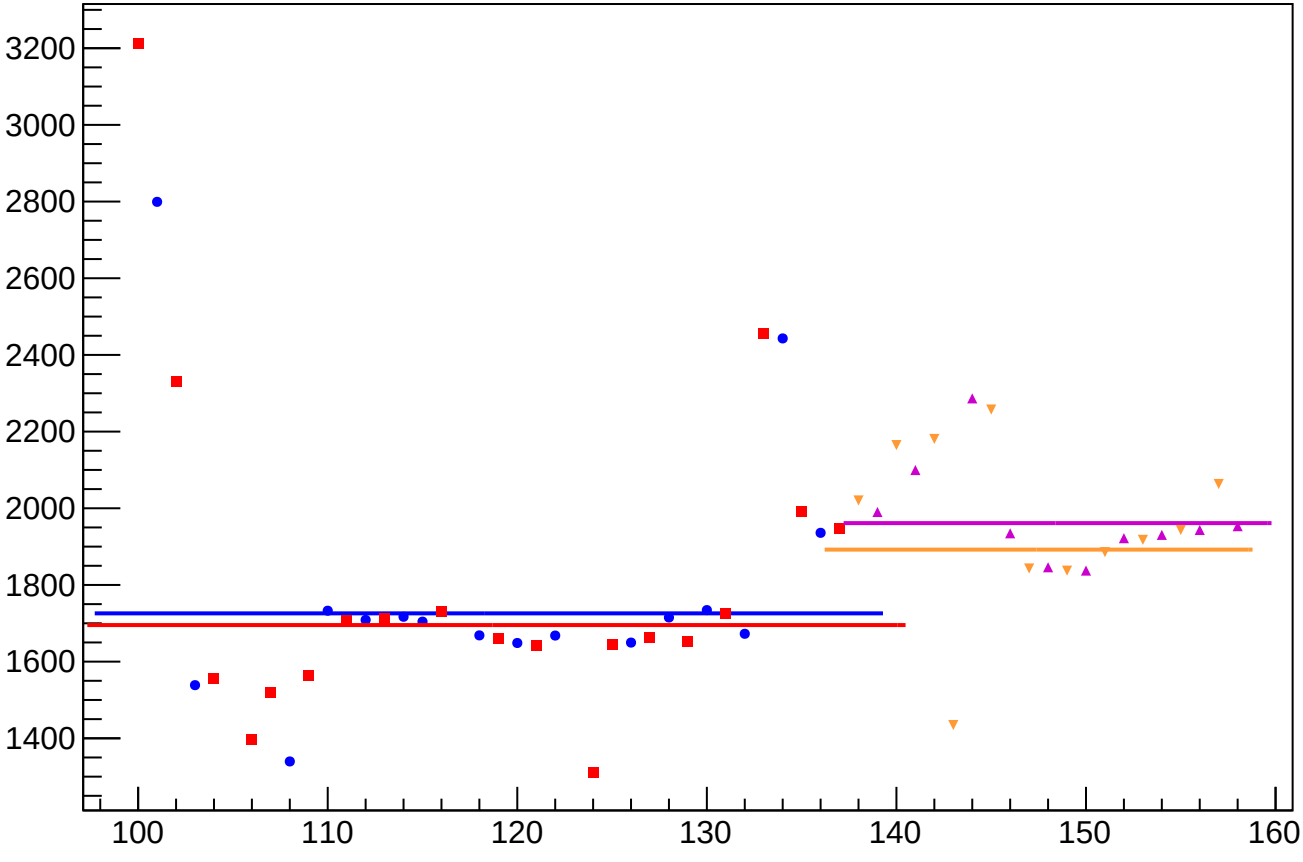
Left In: -3320.073+/-665.379 χ^2/NDF:7.3/9

+ sign 1657.995+/-459.042 χ^2/NDF: 31.0/26

All: -585.915+/-325.244 χ^2/NDF: 103.2/55

- sign -2847.942+/-460.891 χ^2/NDF: 24.2/28

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1725.910+/-0.460 χ^2/NDF: 365639.0/15

Left Out: 1892.187+/-0.458 χ^2/NDF:272482.0/10

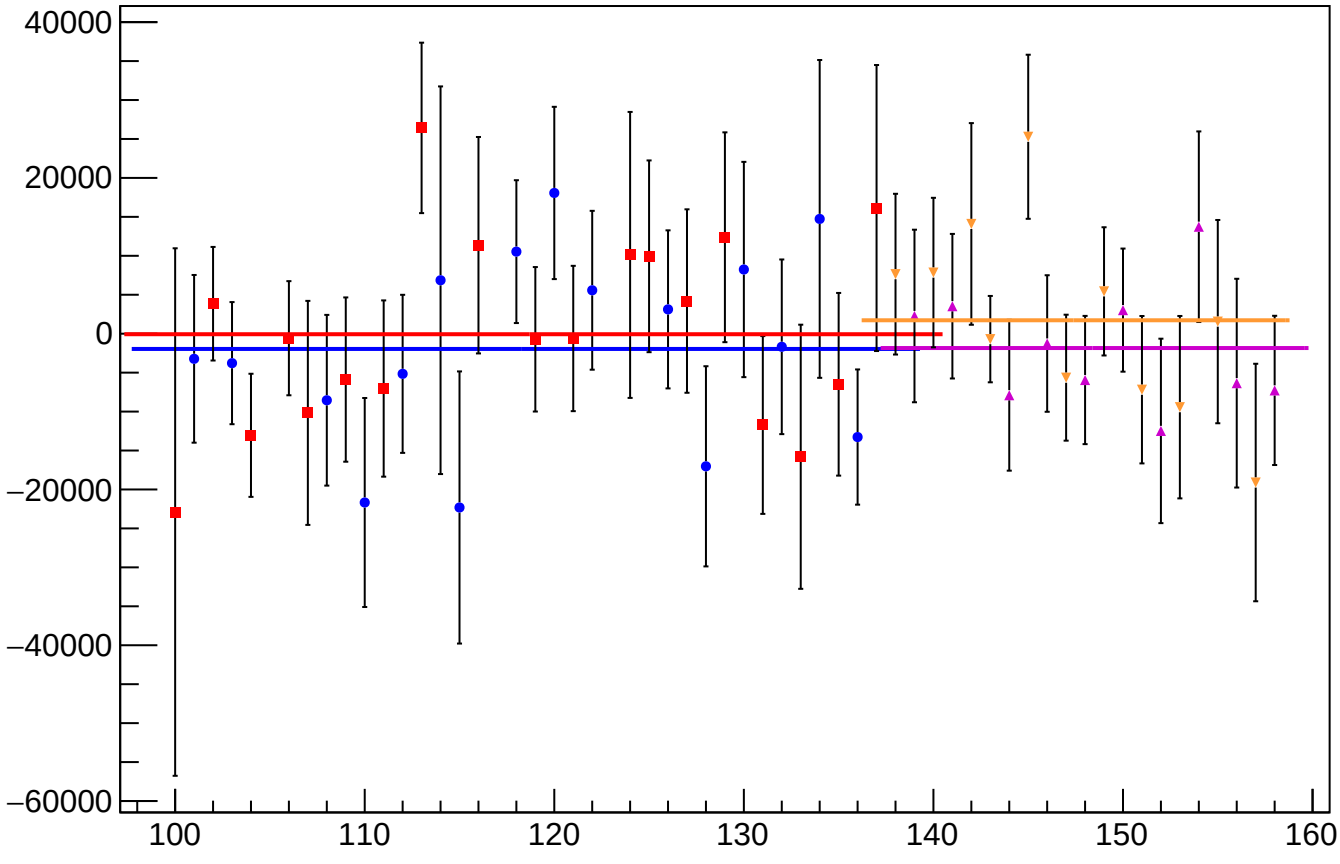
Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

Left In: 1961.318+/-0.470 χ^2/NDF:60862.8/9

+ sign 1809.542+/-0.325 χ^2/NDF: 703722.6/26

All: 1816.211+/-0.230 χ^2/NDF: 1217303.2/55

- sign 1822.931+/-0.326 χ^2/NDF: 512733.2/28



Right In: -1958.538+/-2798.302 χ^2/NDF: 14.4/15

Left Out: 1722.222+/-2812.107 χ^2/NDF:11.5/10

Right Out: -68.163+/-2529.521 χ^2/NDF: 16.1/18

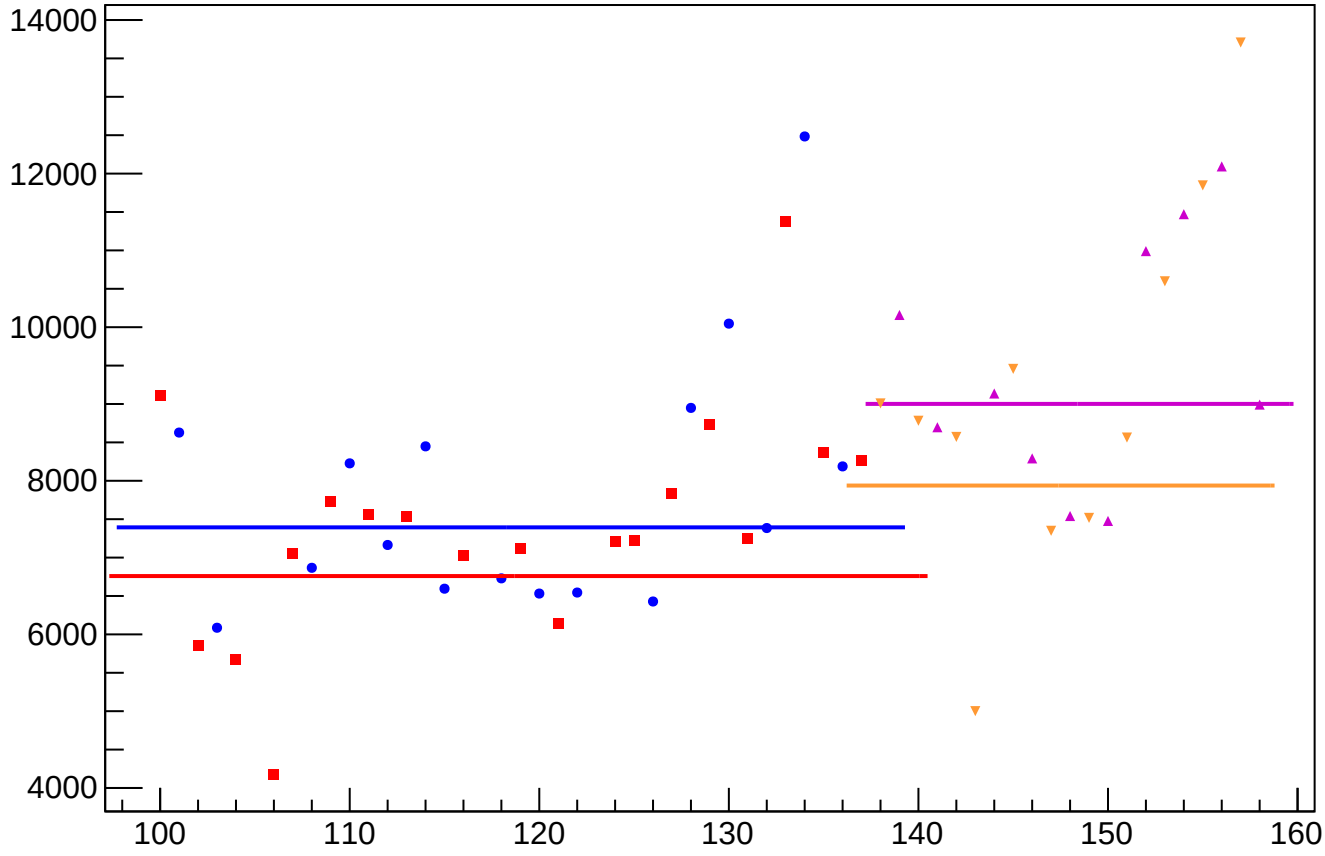
Left In: -1841.841+/-3093.770 χ^2/NDF:4.4/9

+ sign -127.215+/-1983.561 χ^2/NDF: 26.8/26

All: -457.187+/-1393.566 χ^2/NDF: 47.5/55

- sign -778.803+/-1958.283 χ^2/NDF: 20.7/28

asym_at2_avg_eigen_dit_correction_rms vs Slug



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 7938.070+/-1.988 χ^2/NDF:1238466.7/10

Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

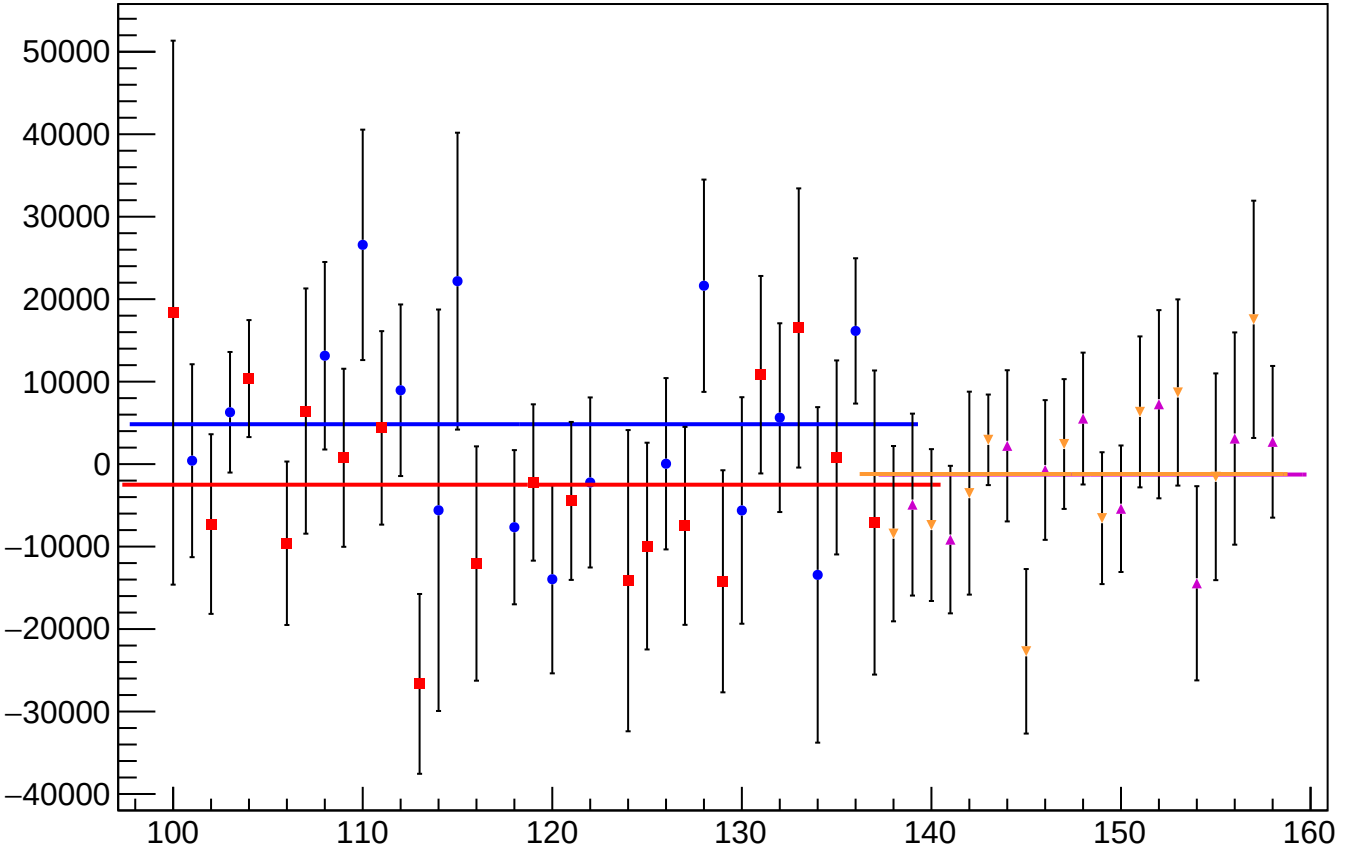
Left In: 9001.189+/-2.188 χ^2/NDF:419255.0/9

+ sign 7664.498+/-1.403 χ^2/NDF: 1677966.9/26

All: 7661.005+/-0.985 χ^2/NDF: 3370902.8/55

- sign 7657.601+/-1.385 χ^2/NDF: 1692923.7/28

asym_at2_avg_mean vs Slug



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: -1199.704+/-2739.498 χ^2/NDF:10.0/10

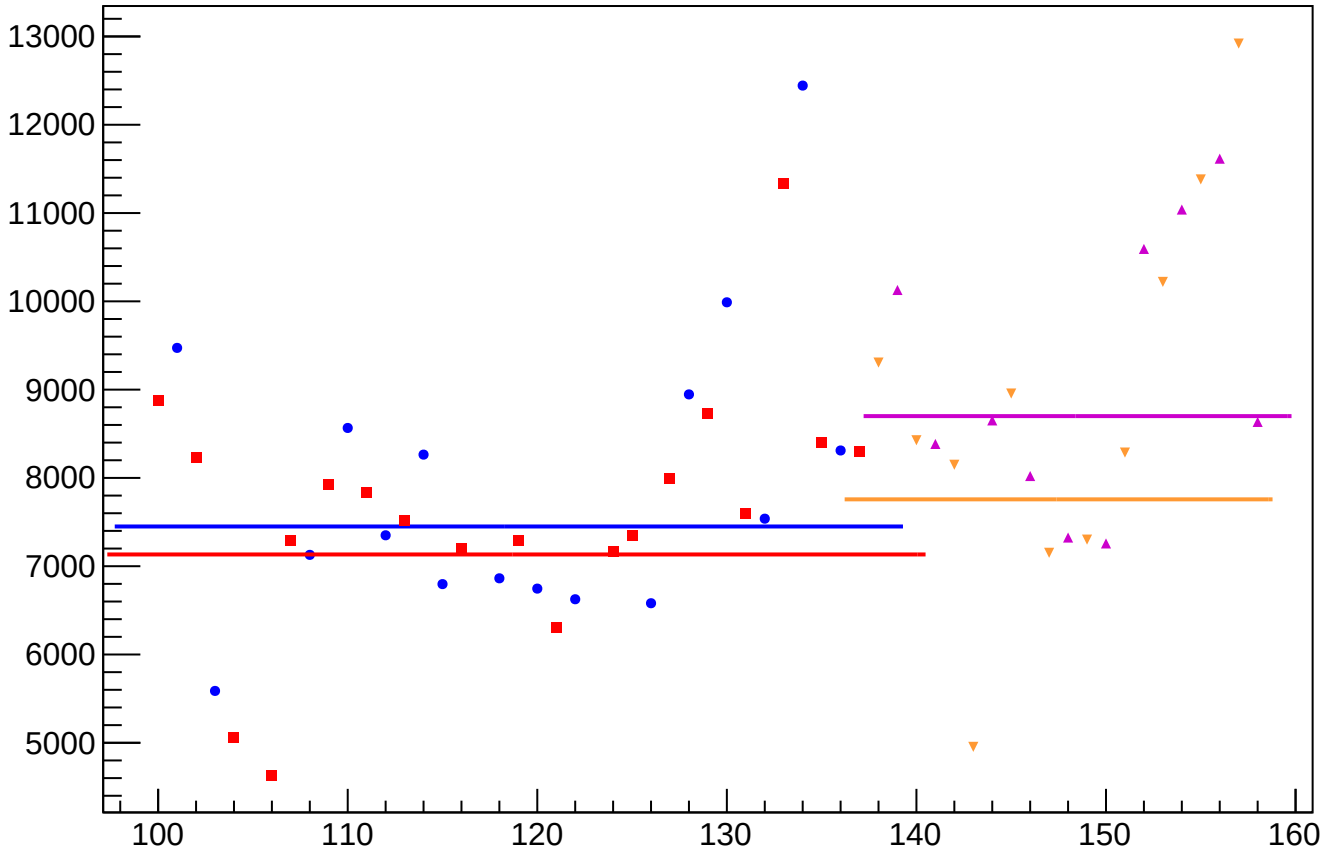
Right Out: -2495.844+/-2695.530 χ^2/NDF: 14.9/18

Left In: -1264.804+/-2988.830 χ^2/NDF:4.2/9

+ sign 1722.130+/-1967.971 χ^2/NDF: 26.6/26

All: -79.616+/-1403.343 χ^2/NDF: 47.5/55

- sign -1943.674+/-2001.712 χ^2/NDF: 19.2/28



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 7757.281+/-1.937 χ^2/NDF:1150156.9/10

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

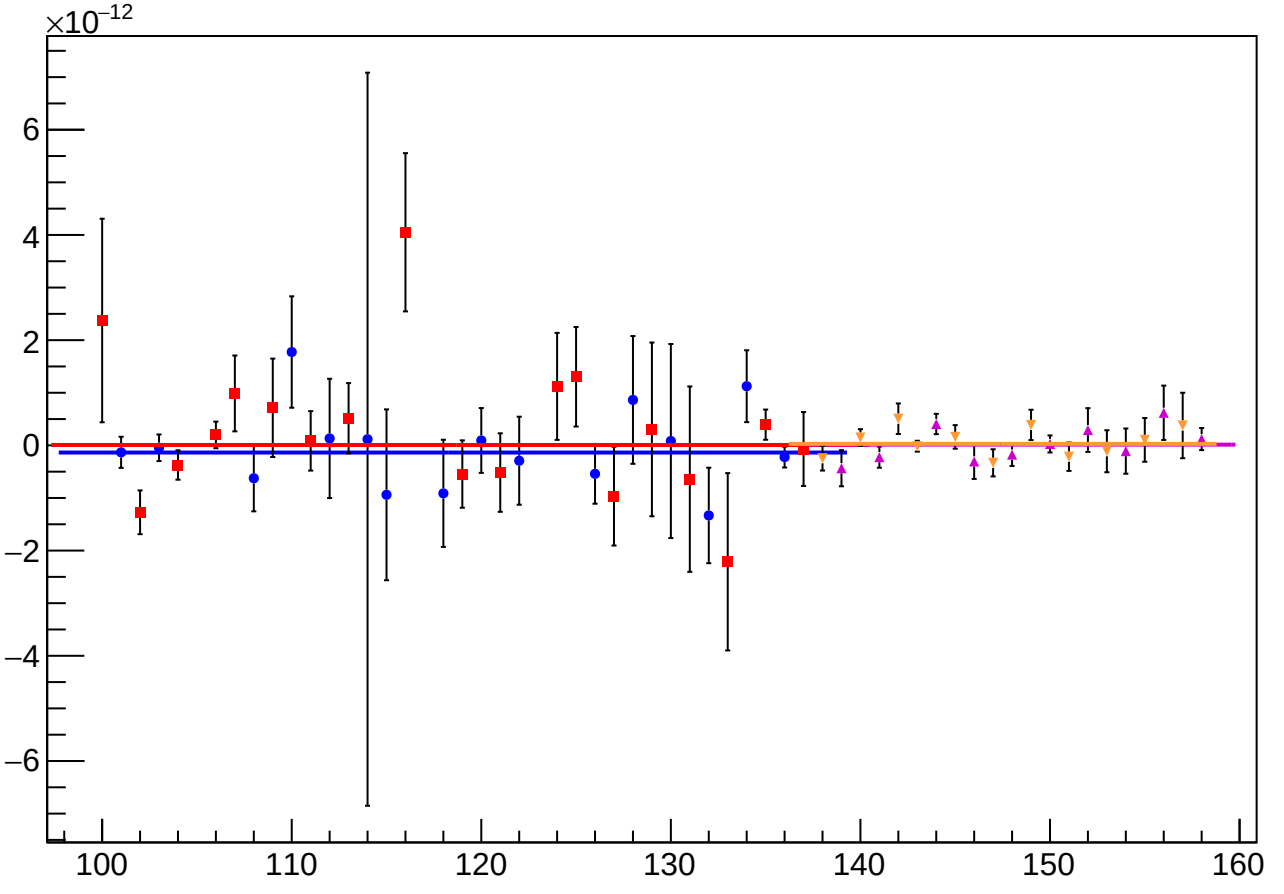
Left In: 8700.020+/-2.113 χ^2/NDF:415619.2/9

+ sign 7608.565+/-1.392 χ^2/NDF: 1648763.3/26

All: 7720.294+/-0.992 χ^2/NDF: 2937639.3/55

- sign 7835.879+/-1.415 χ^2/NDF: 1275760.4/28

asym_at2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 32.8/18

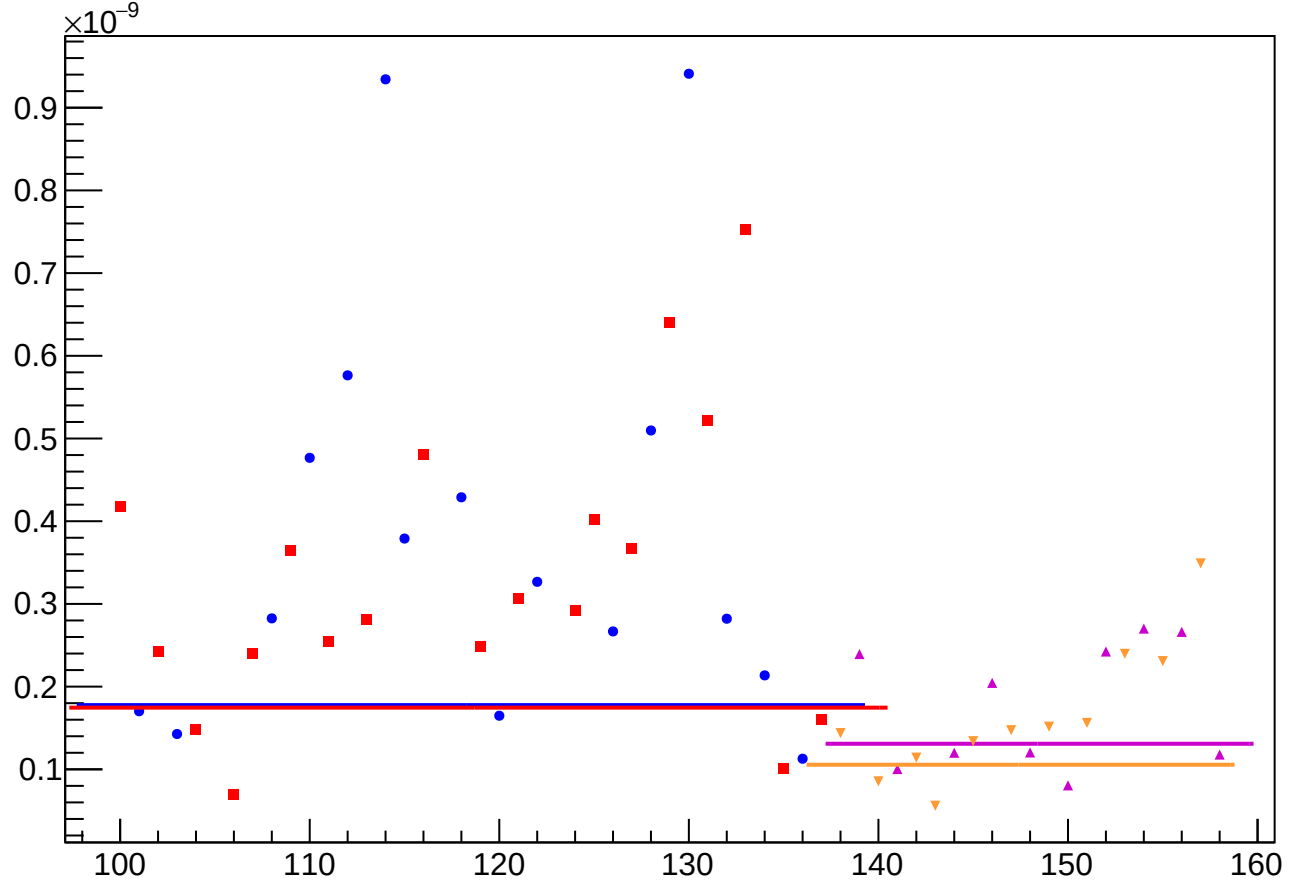
Left In: 0.000+/-0.000 χ^2/NDF:11.1/9

+ sign -0.000+/-0.000 χ^2/NDF: 23.0/26

All: 0.000+/-0.000 χ^2/NDF: 66.9/55

- sign 0.000+/-0.000 χ^2/NDF: 43.8/28

asym_at2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1530066.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1466564.1/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

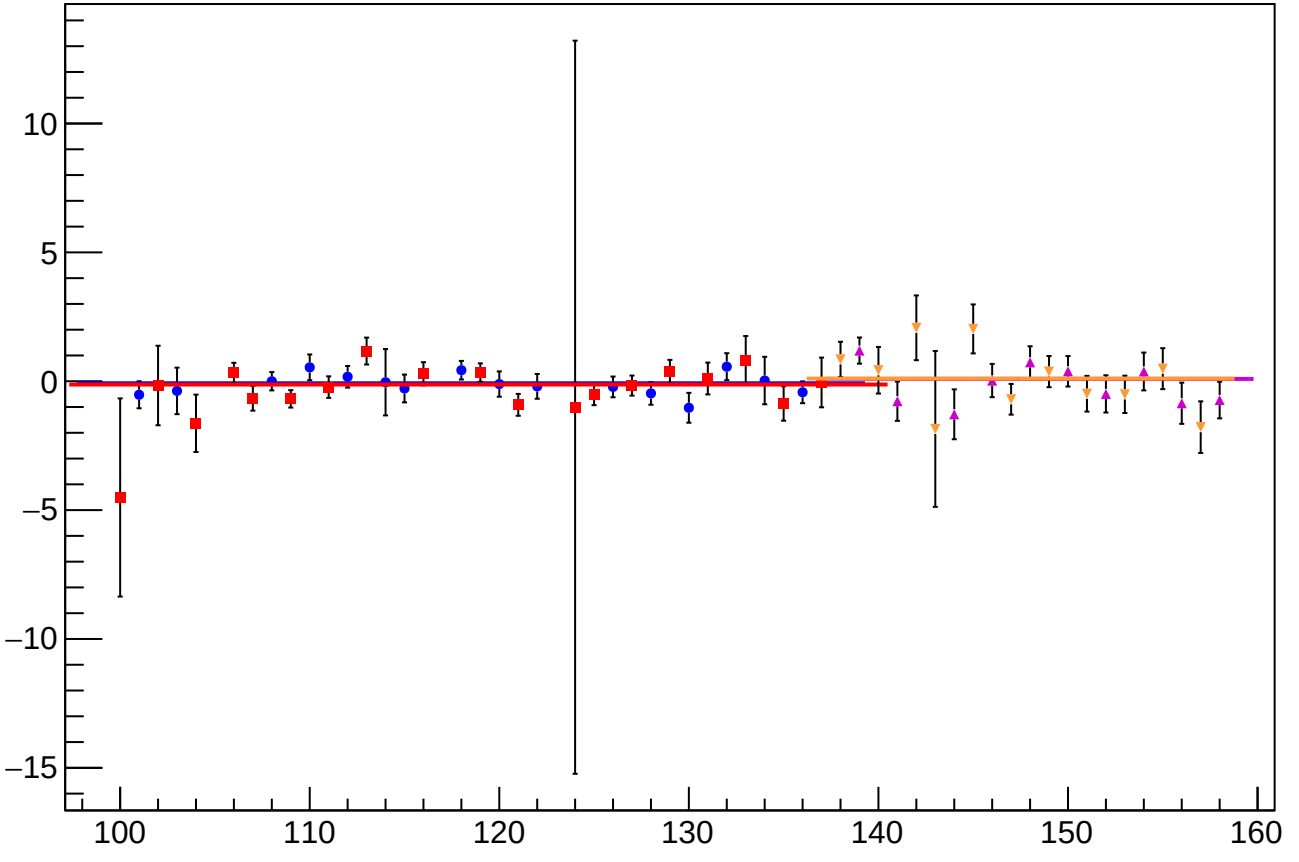
Left In: 0.000+/-0.000 χ^2/NDF:1046344.5/9

+ sign 0.000+/-0.000 χ^2/NDF: 3556868.4/26

All: 0.000+/-0.000 χ^2/NDF: 6547236.5/55

- sign 0.000+/-0.000 χ^2/NDF: 2868109.5/28

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.103+/-0.240 χ^2/NDF:15.5/10

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

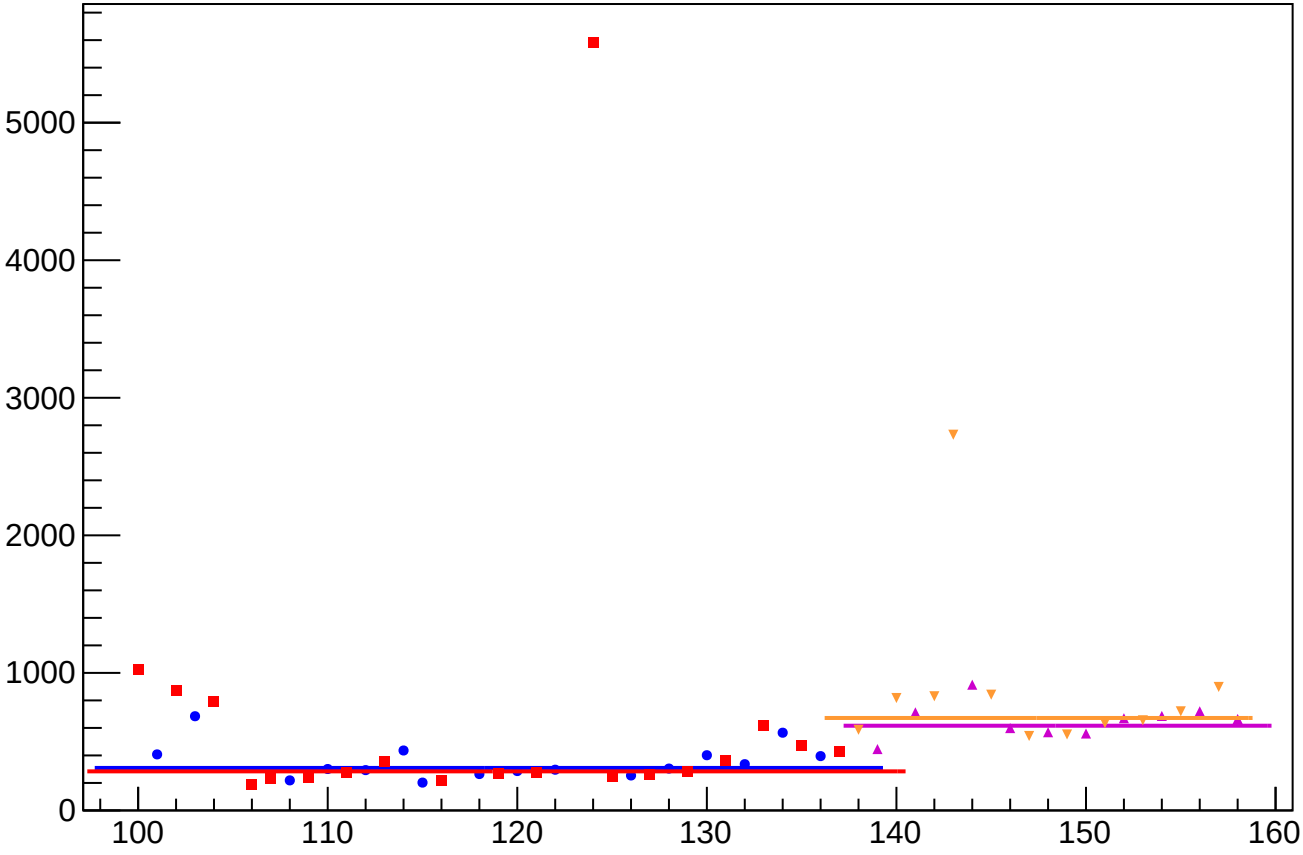
Left In: 0.090+/-0.214 χ^2/NDF:12.8/9

+ sign -0.043+/-0.109 χ^2/NDF: 26.8/26

All: -0.061+/-0.075 χ^2/NDF: 65.7/55

- sign -0.078+/-0.103 χ^2/NDF: 38.9/28

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 672.329+/-0.170 χ^2/NDF:1396892.7/10

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

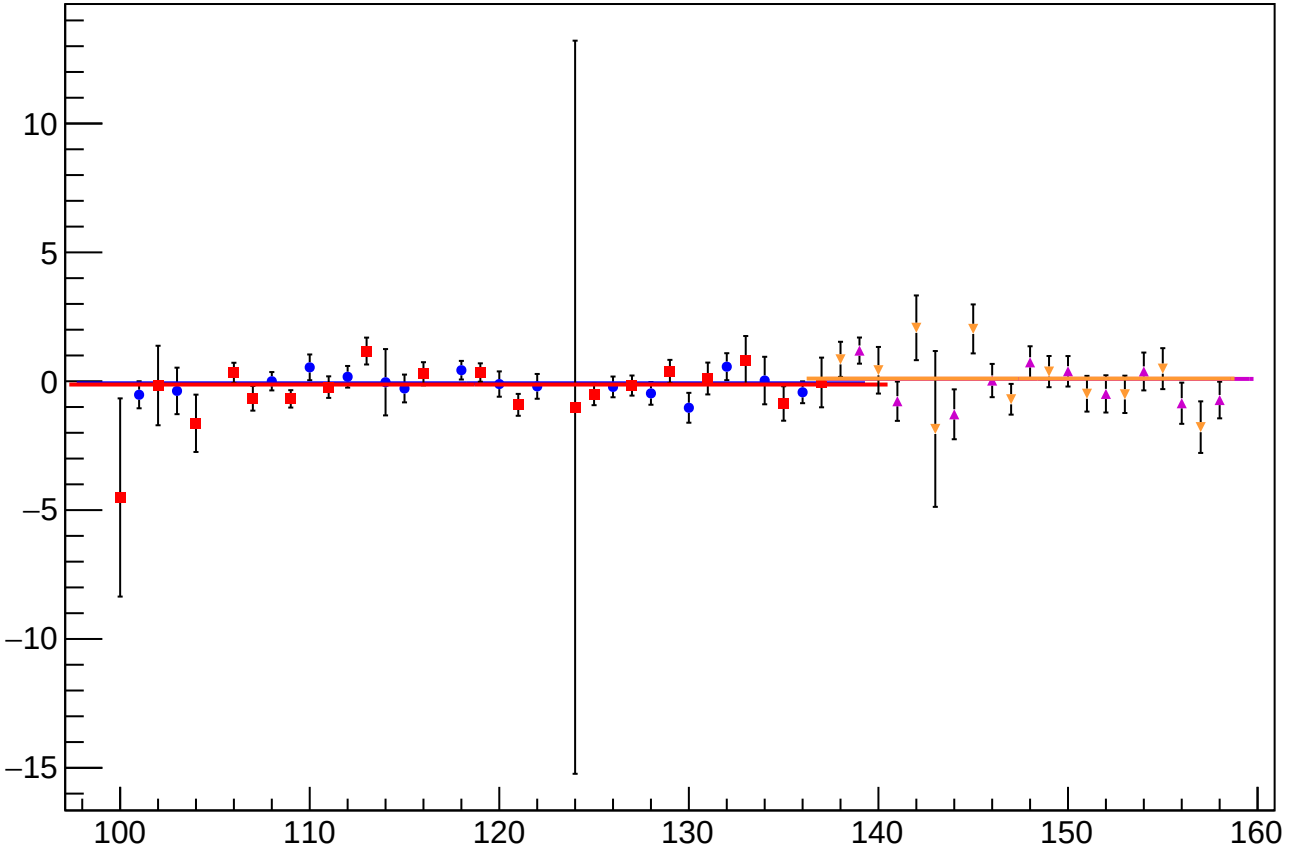
Left In: 615.985+/-0.151 χ^2/NDF:551639.9/9

+ sign 383.482+/-0.077 χ^2/NDF: 6050318.3/26

All: 371.300+/-0.053 χ^2/NDF: 12208068.3/55

- sign 360.442+/-0.073 χ^2/NDF: 6110217.9/28

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.103+/-0.240 χ^2/NDF:15.5/10

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

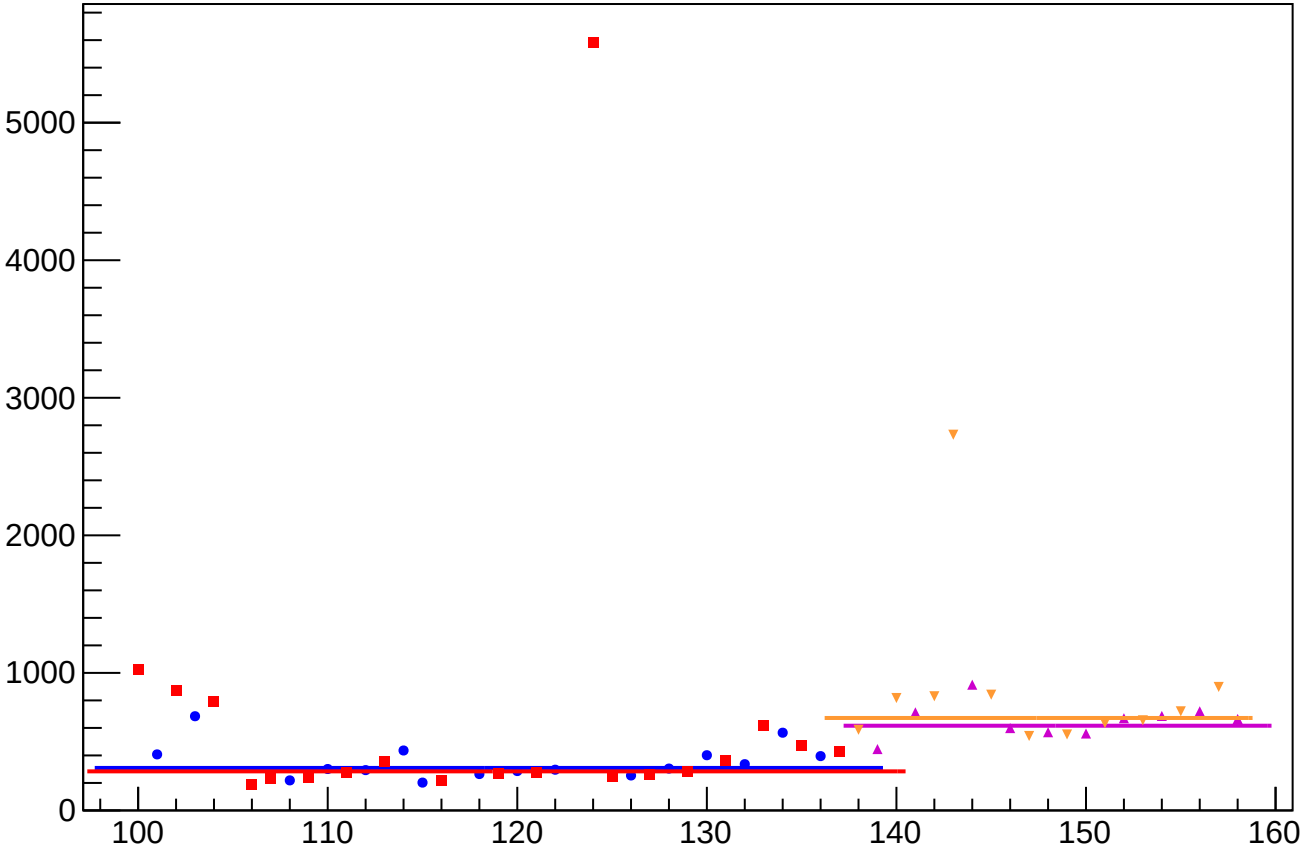
Left In: 0.090+/-0.214 χ^2/NDF:12.8/9

+ sign -0.043+/-0.109 χ^2/NDF: 26.8/26

All: -0.061+/-0.075 χ^2/NDF: 65.7/55

- sign -0.078+/-0.103 χ^2/NDF: 38.9/28

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 672.329+/-0.170 χ^2/NDF:1396892.7/10

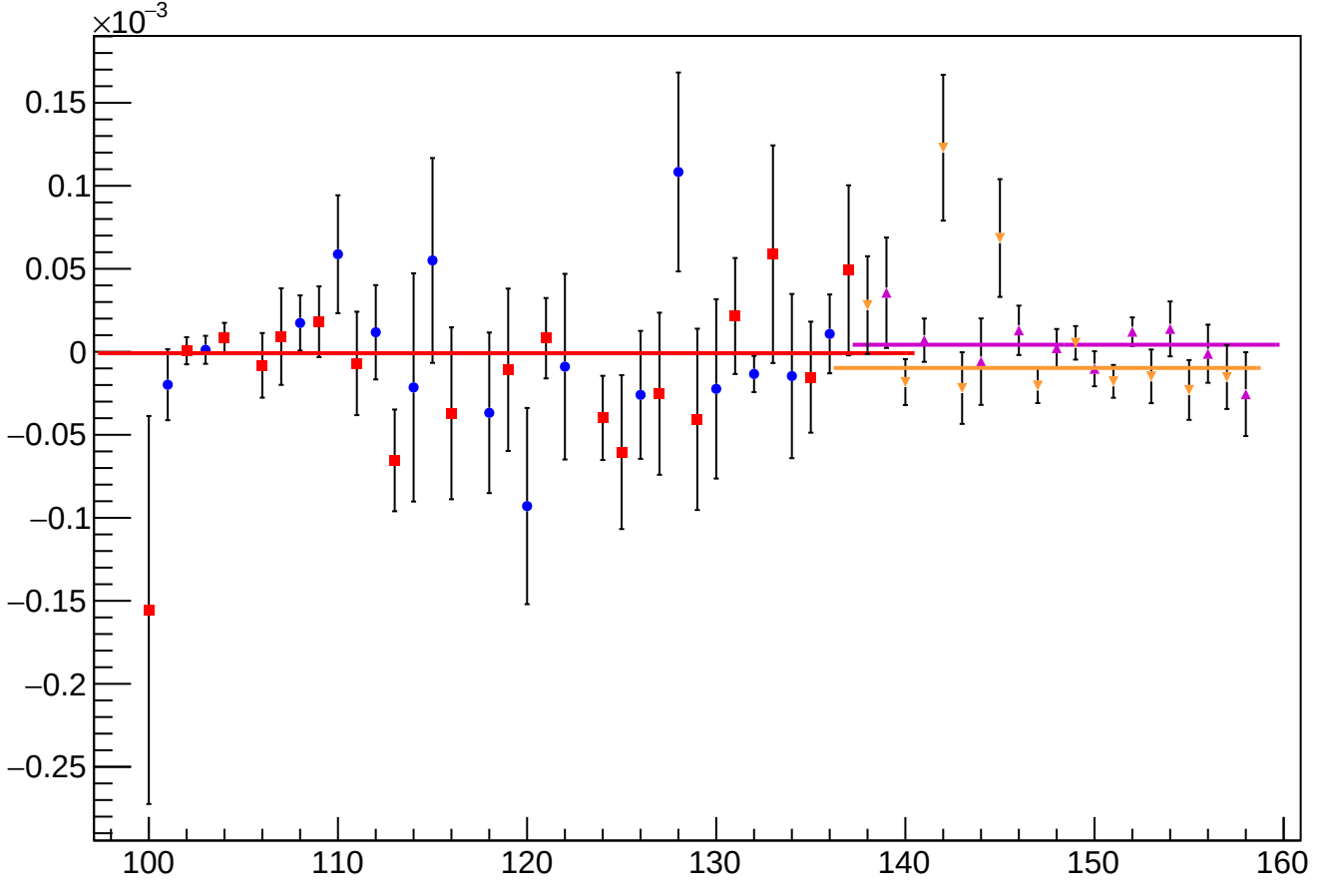
Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 615.985+/-0.151 χ^2/NDF:551639.9/9

+ sign 383.482+/-0.077 χ^2/NDF: 6050318.3/26

All: 371.300+/-0.053 χ^2/NDF: 12208068.3/55

- sign 360.442+/-0.073 χ^2/NDF: 6110217.9/28



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.0/10

Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

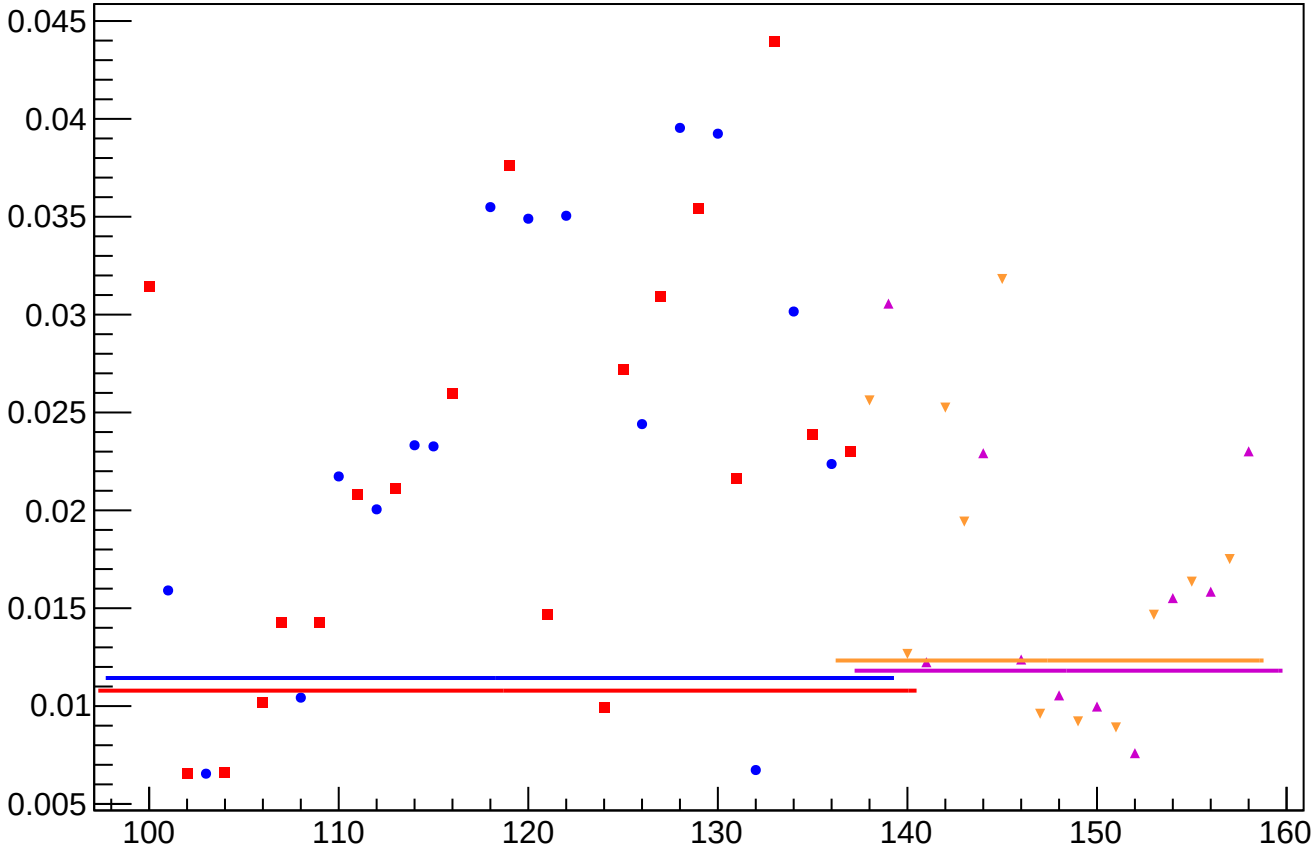
Left In: 0.000+/-0.000 χ^2/NDF:6.0/9

\+ sign -0.000+/-0.000 χ^2/NDF: 37.1/26

All: -0.000+/-0.000 χ^2/NDF: 62.6/55

\- sign 0.000+/-0.000 χ^2/NDF: 22.7/28

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:2251409.1/10

Right Out: 0.011+/-0.000 χ^2/NDF: 4473688.9/18

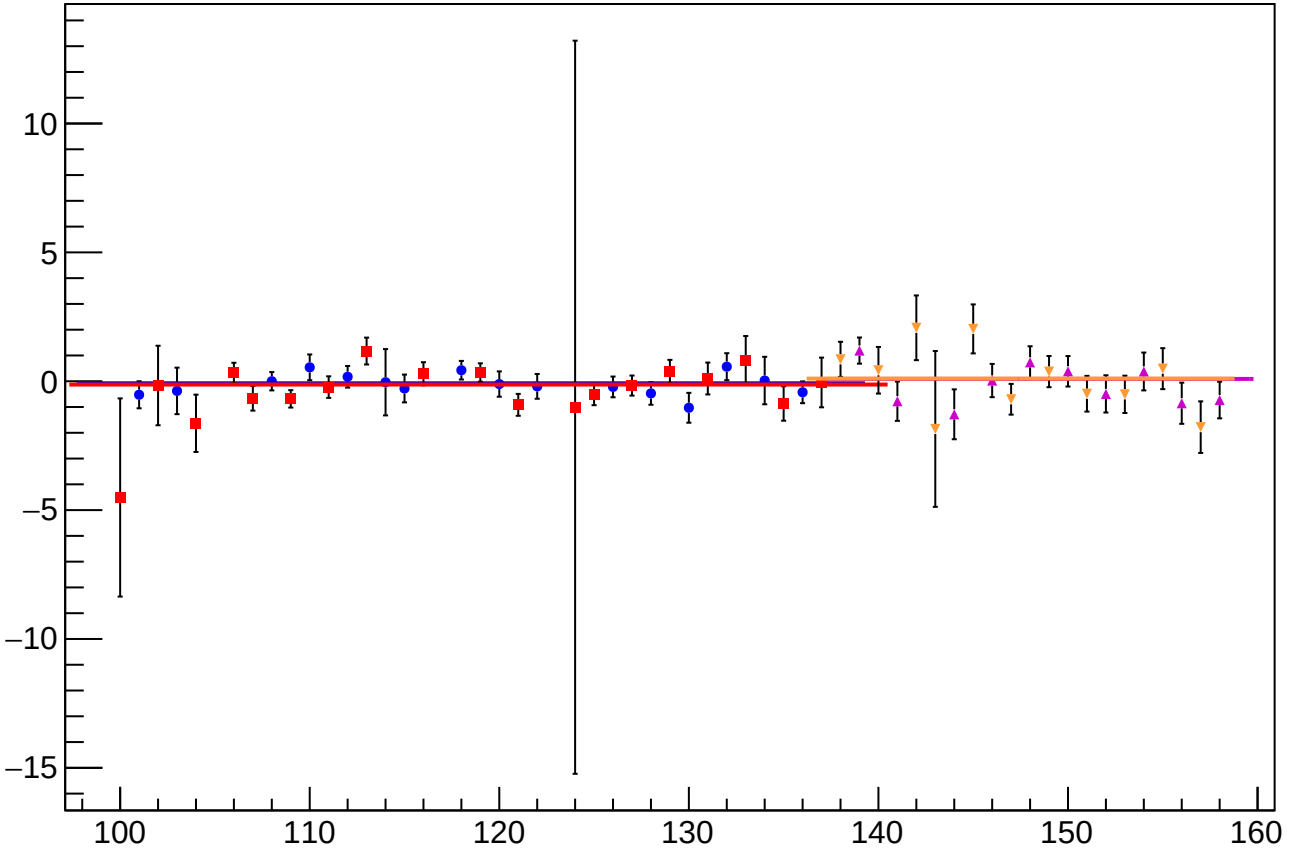
Left In: 0.012+/-0.000 χ^2/NDF:2169314.8/9

+ sign 0.012+/-0.000 χ^2/NDF: 6984024.3/26

All: 0.012+/-0.000 χ^2/NDF: 13707944.6/55

- sign 0.011+/-0.000 χ^2/NDF: 6691354.7/28

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.103+/-0.240 χ^2/NDF:15.5/10

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

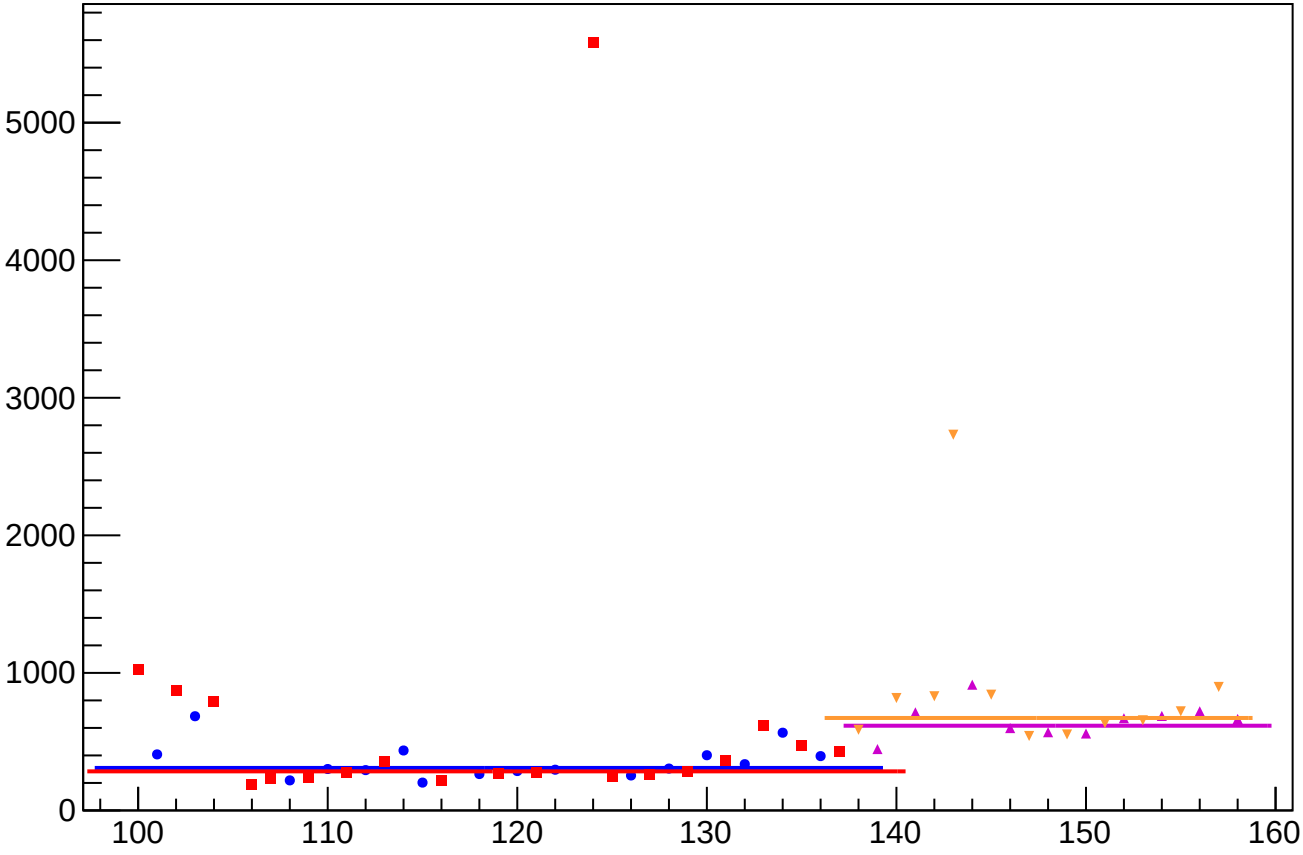
Left In: 0.090+/-0.214 χ^2/NDF:12.8/9

+ sign -0.043+/-0.109 χ^2/NDF: 26.8/26

All: -0.061+/-0.075 χ^2/NDF: 65.7/55

- sign -0.078+/-0.103 χ^2/NDF: 38.9/28

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 672.337+/-0.170 χ^2/NDF:1396896.2/10

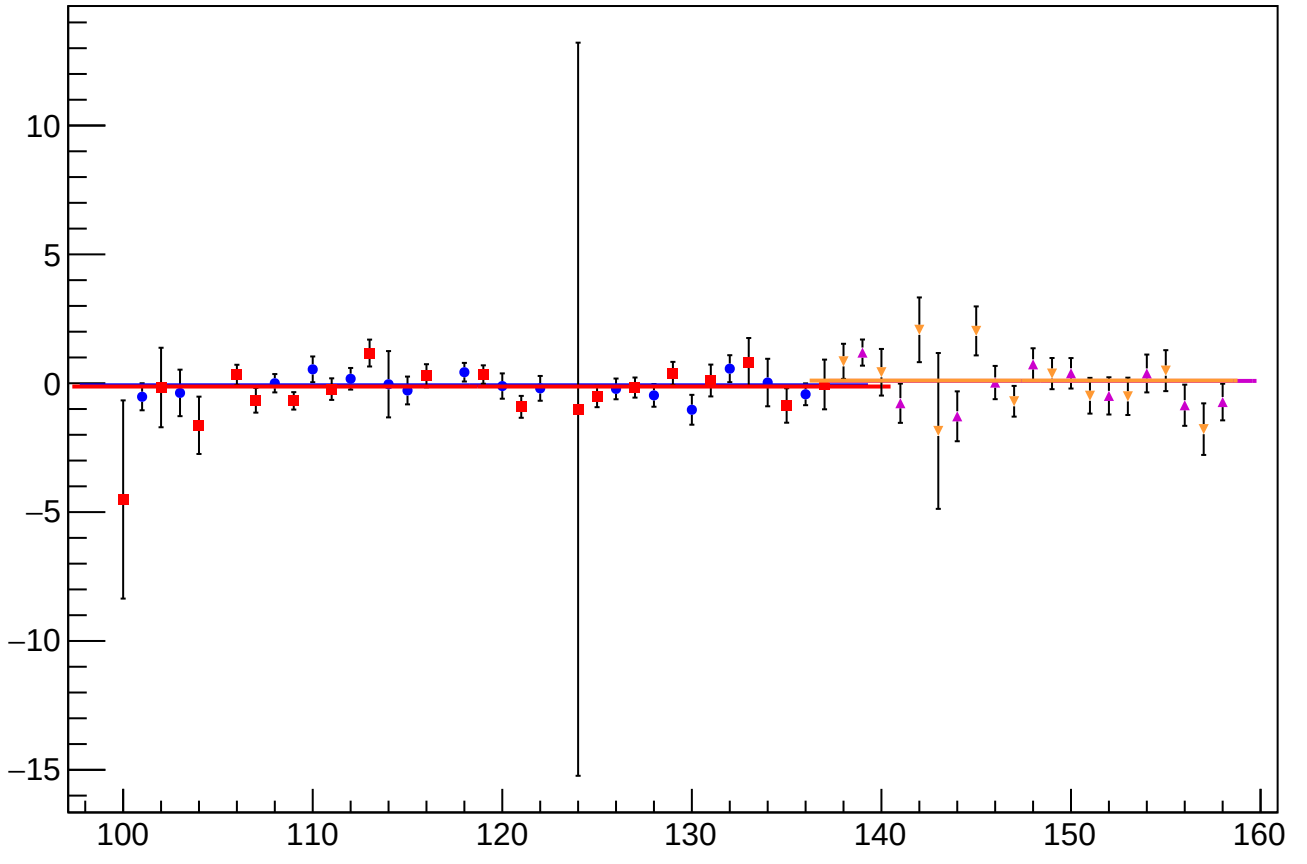
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 615.994+/-0.151 χ^2/NDF:551623.2/9

+ sign 383.481+/-0.077 χ^2/NDF: 6050394.5/26

All: 371.300+/-0.053 χ^2/NDF: 12208245.4/55

- sign 360.441+/-0.073 χ^2/NDF: 6110320.0/28



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.103+/-0.240 χ^2/NDF:15.5/10

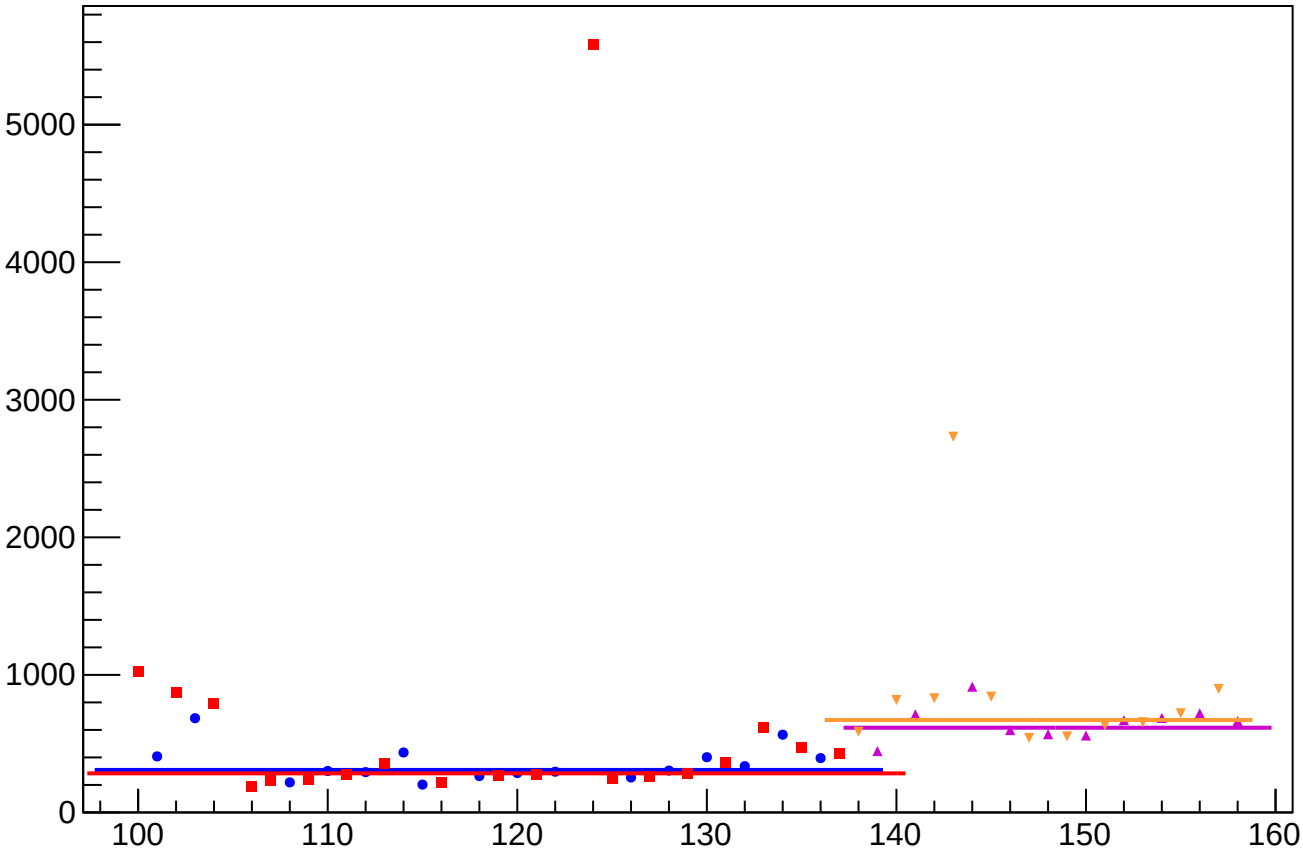
Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: 0.090+/-0.214 χ^2/NDF:12.8/9

+ sign -0.043+/-0.109 χ^2/NDF: 26.8/26

All: -0.061+/-0.075 χ^2/NDF: 65.7/55

- sign -0.078+/-0.103 χ^2/NDF: 38.9/28



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 672.337+/-0.170 χ^2/NDF:1396896.2/10

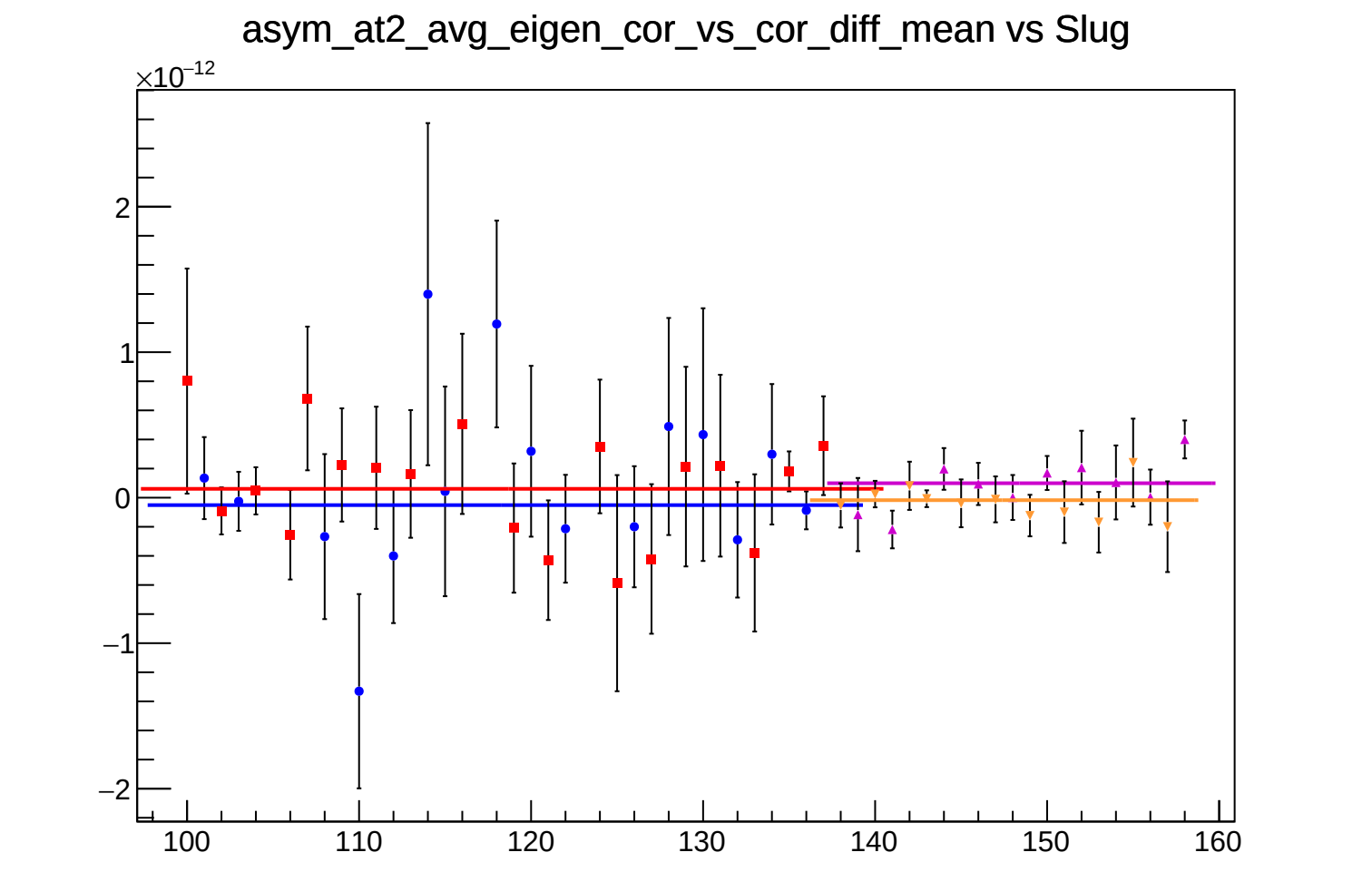
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 615.994+/-0.151 χ^2/NDF:551623.2/9

+ sign 383.481+/-0.077 χ^2/NDF: 6050394.5/26

All: 371.300+/-0.053 χ^2/NDF: 12208245.4/55

- sign 360.441+/-0.073 χ^2/NDF: 6110320.0/28



Right In: -0.000+/-0.000 χ^2/NDF: 12.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.0/10

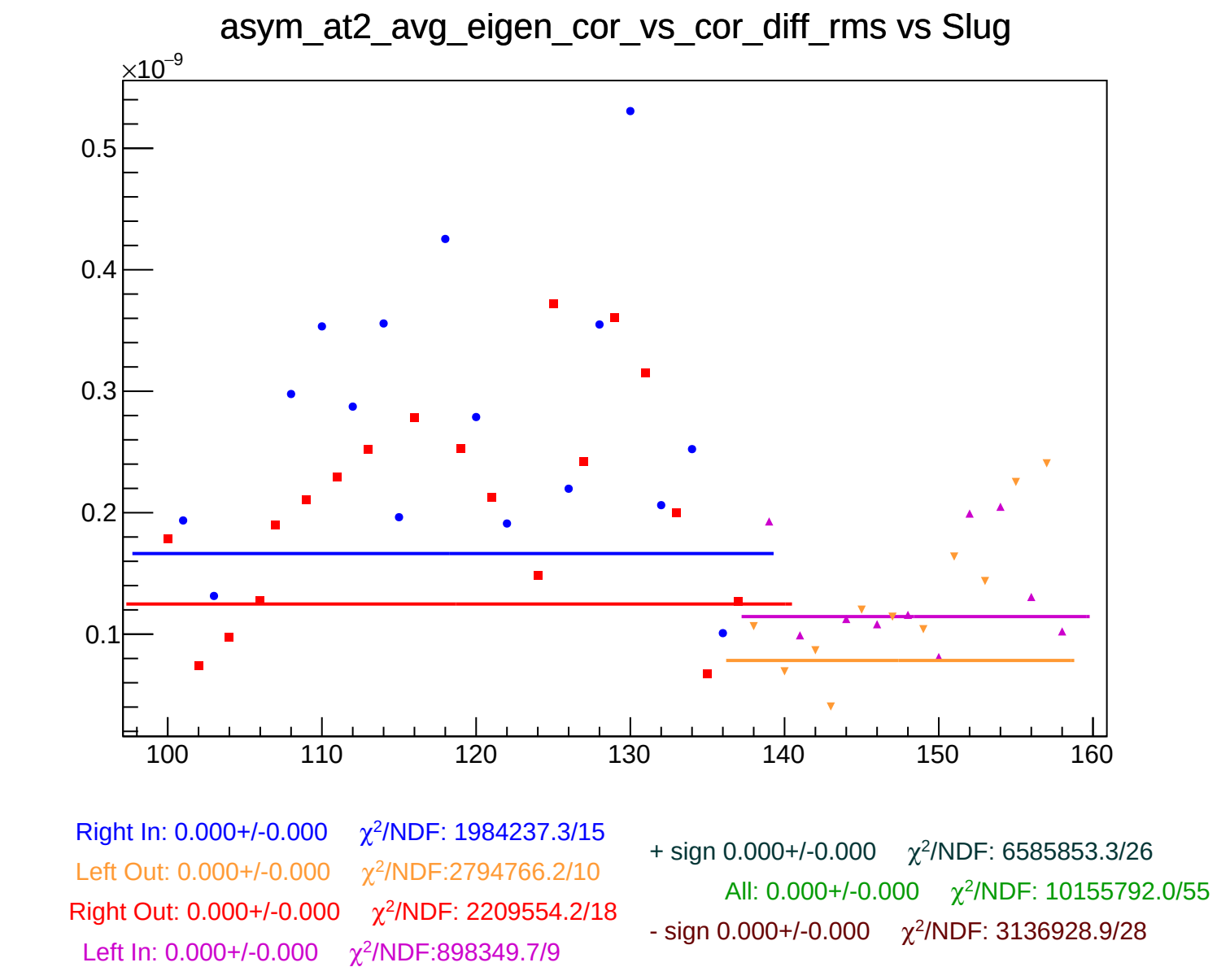
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:13.8/9

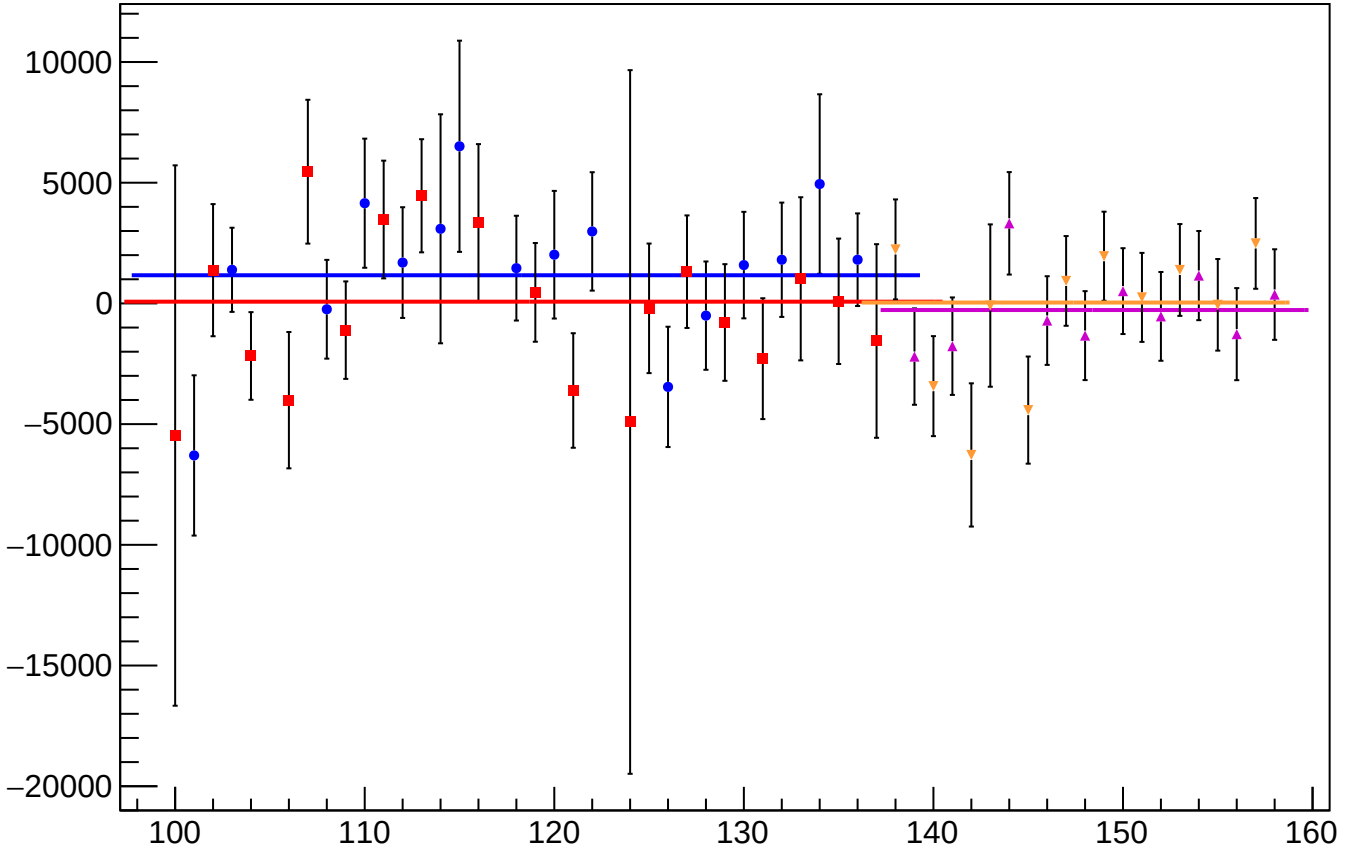
+ sign -0.000+/-0.000 χ^2/NDF: 15.1/26

All: 0.000+/-0.000 χ^2/NDF: 44.7/55

- sign 0.000+/-0.000 χ^2/NDF: 25.4/28


asym_at2_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1984237.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2794766.2/10
Right Out: 0.000+/-0.000 χ²/NDF: 2209554.2/18
Left In: 0.000+/-0.000 χ²/NDF:898349.7/9
+ sign 0.000+/-0.000 χ²/NDF: 6585853.3/26
All: 0.000+/-0.000 χ²/NDF: 10155792.0/55
- sign 0.000+/-0.000 χ²/NDF: 3136928.9/28

reg_asym_at2_dd_mean vs Slug



Right In: 1166.862+/-609.171 χ^2/NDF: 14.4/15

Left Out: 36.188+/-621.767 χ^2/NDF:16.0/10

Right Out: 72.181+/-603.362 χ^2/NDF: 18.3/18

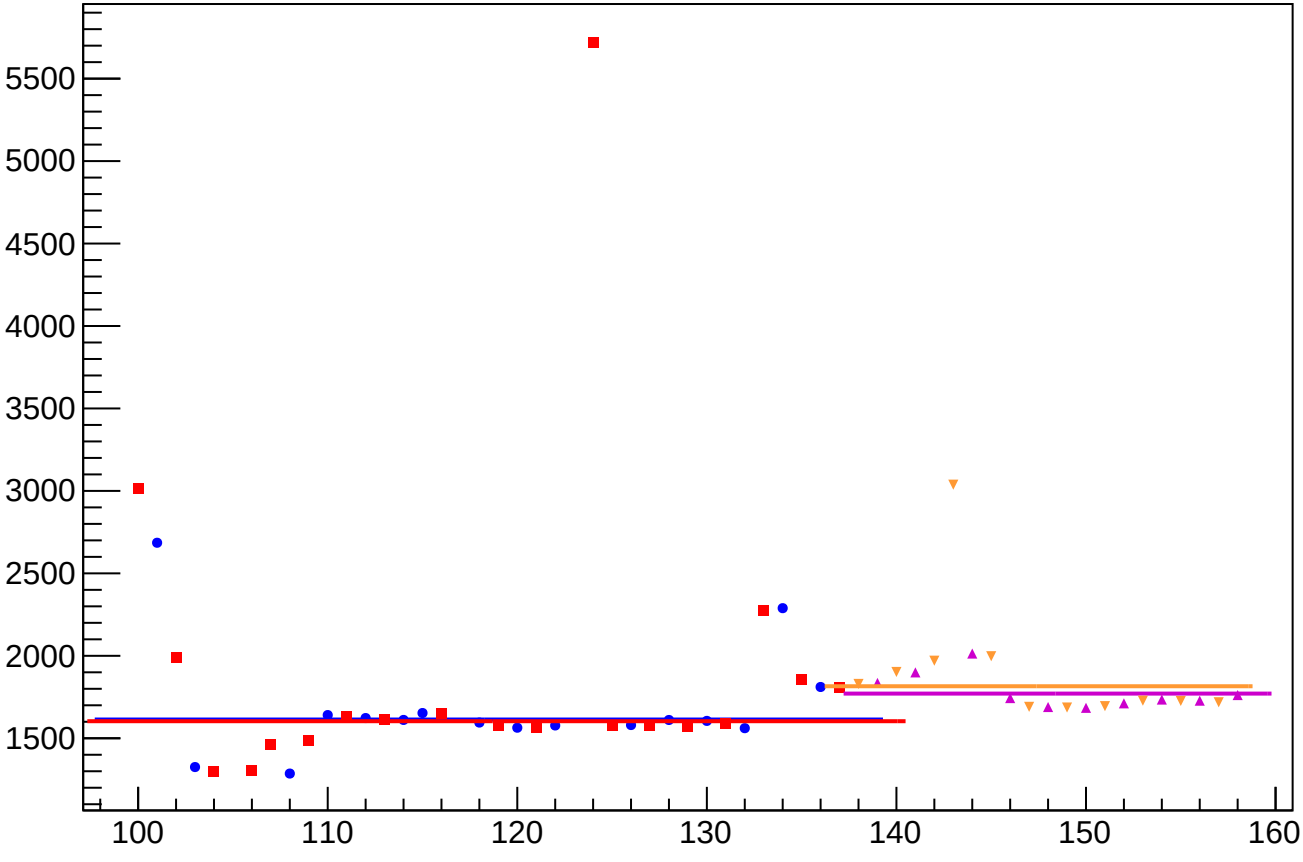
Left In: -273.872+/-600.440 χ^2/NDF:5.9/9

+ sign 613.093+/-435.134 χ^2/NDF: 32.1/26

All: 247.791+/-304.261 χ^2/NDF: 57.9/55

- sign -101.685+/-425.604 χ^2/NDF: 24.4/28

reg_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 1815.473+/-0.440 χ^2/NDF:328180.7/10

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

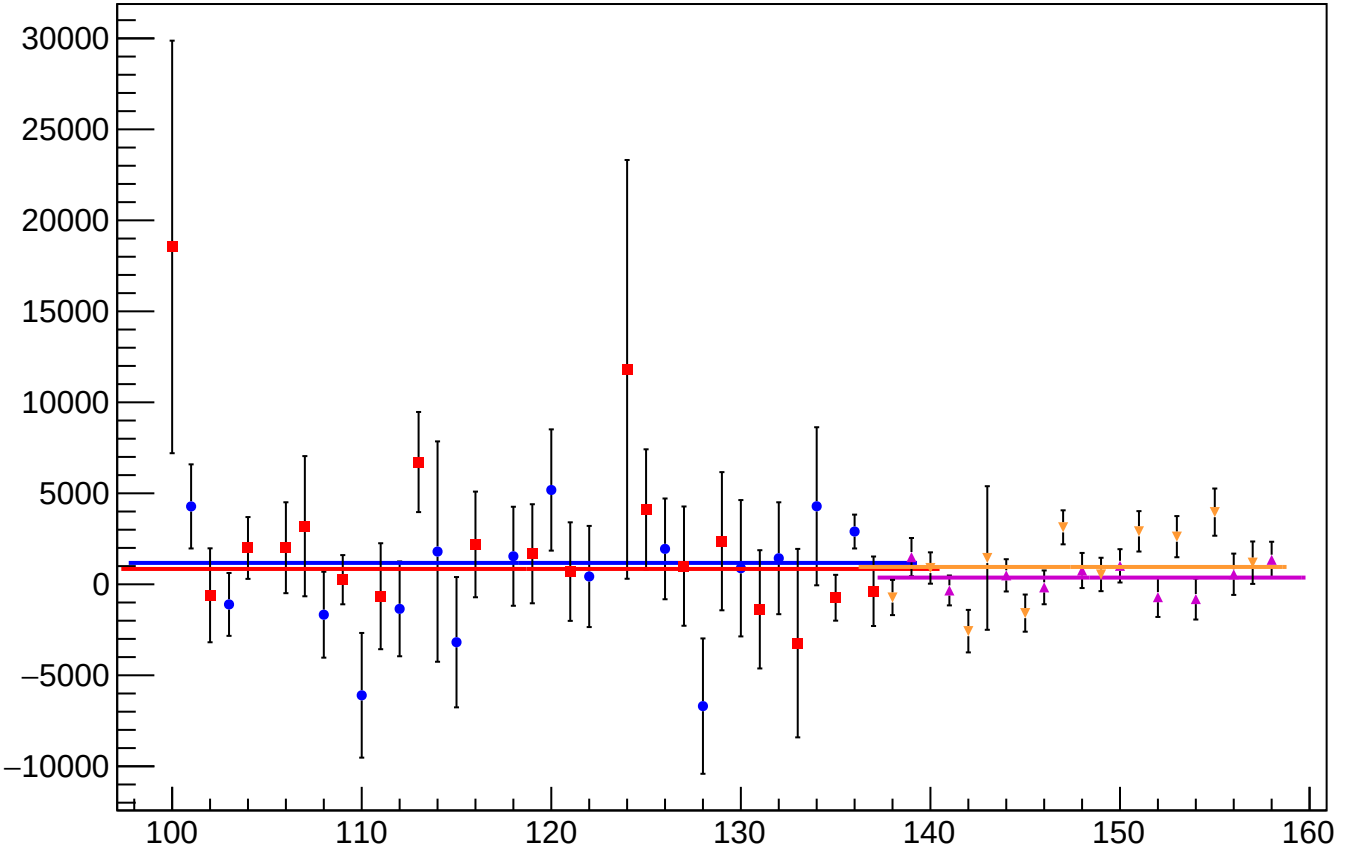
Left In: 1770.908+/-0.425 χ^2/NDF:49334.3/9

+ sign 1712.509+/-0.308 χ^2/NDF: 840362.6/26

All: 1699.775+/-0.215 χ^2/NDF: 1396232.2/55

- sign 1687.592+/-0.301 χ^2/NDF: 552518.2/28

asym_at2_dd_reg_correction_mean vs Slug



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: 953.281+/-325.699 χ^2/NDF:34.7/10

Right Out: 843.857+/-557.438 χ^2/NDF: 14.3/18

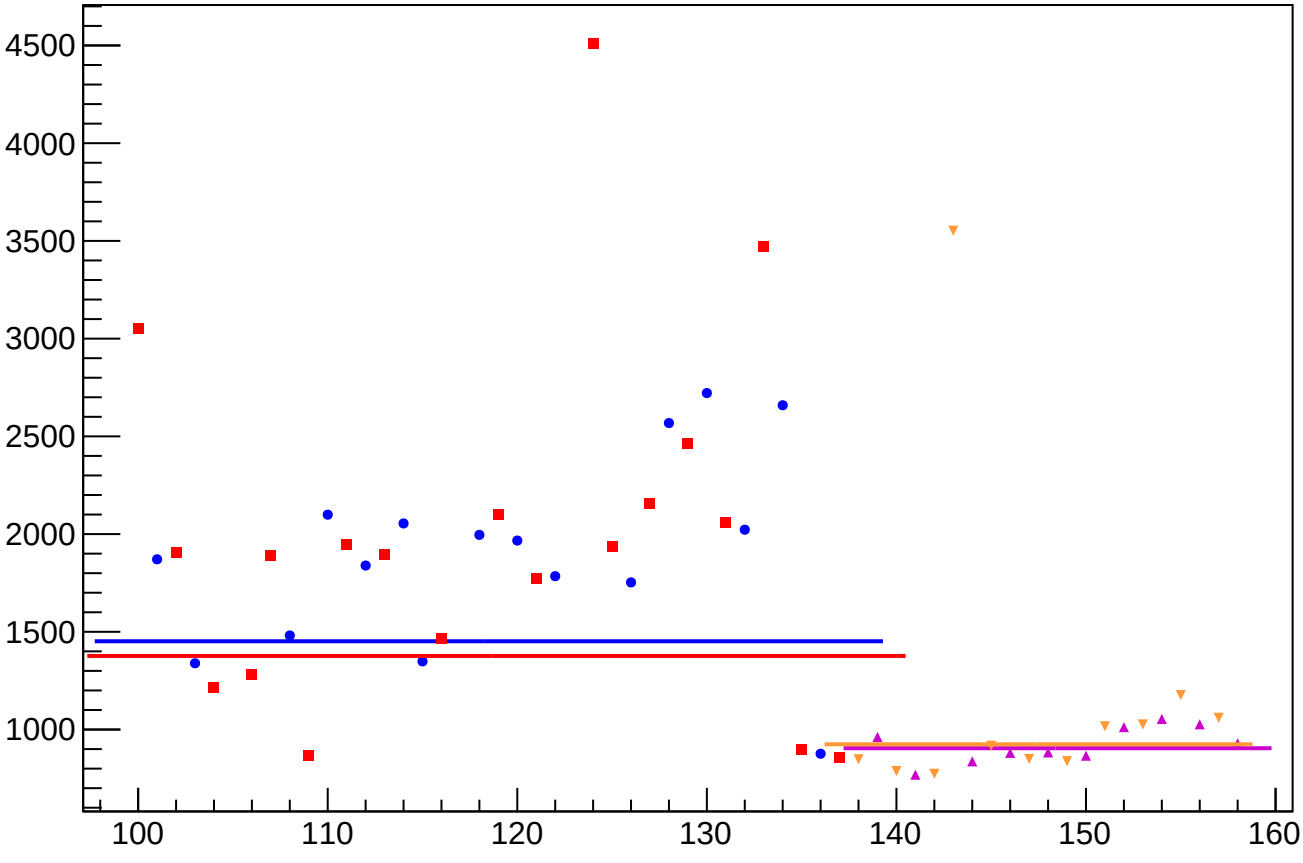
Left In: 369.021+/-308.336 χ^2/NDF:6.0/9

\+ sign 1006.681+/-283.876 χ^2/NDF: 56.8/26

All: 730.110+/-195.569 χ^2/NDF: 79.4/55

\- sign 480.263+/-269.812 χ^2/NDF: 20.8/28

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 924.550+/-0.230 χ^2/NDF:1146682.8/10

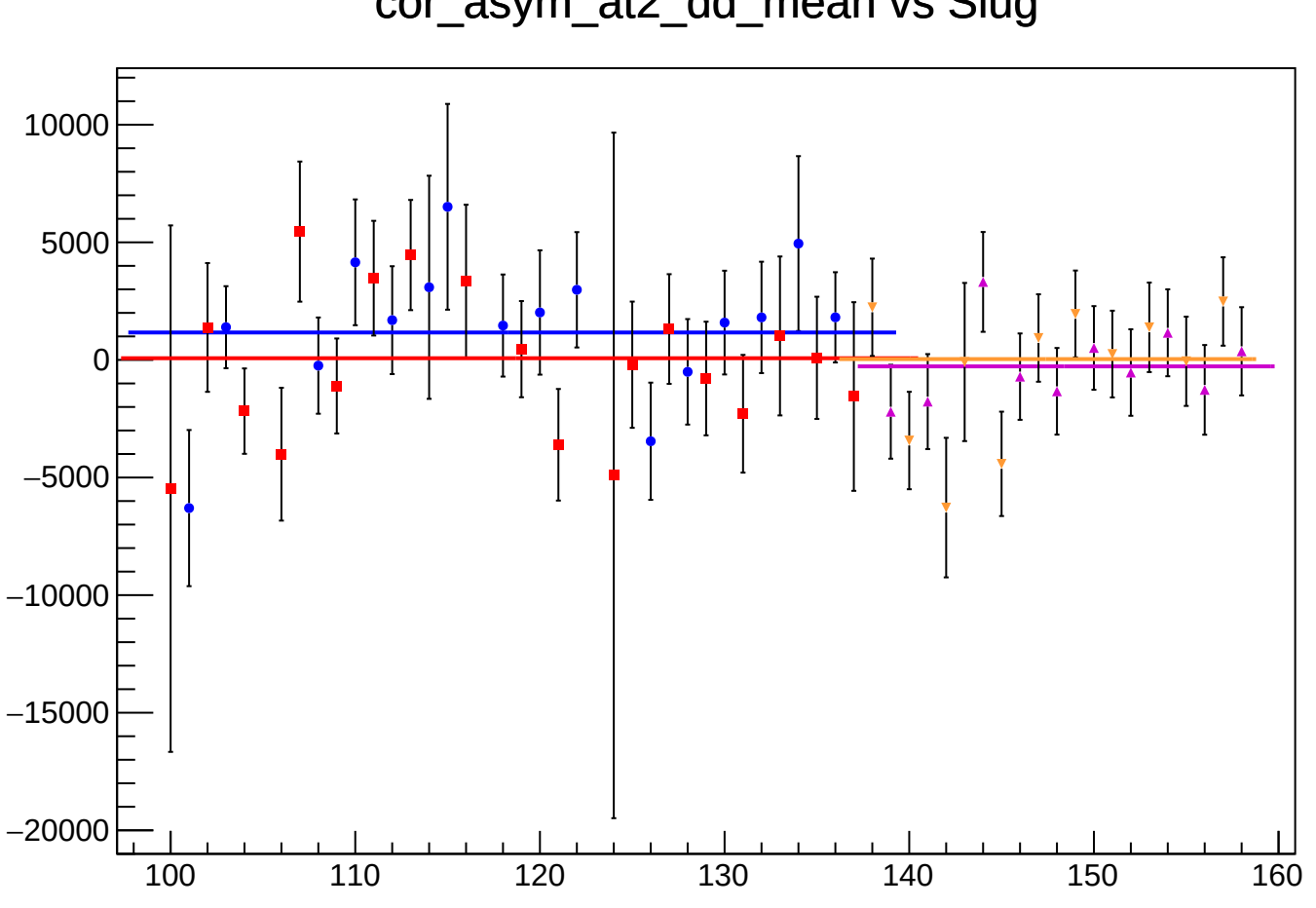
Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

Left In: 904.392+/-0.218 χ^2/NDF:157436.9/9

+ sign 1051.223+/-0.201 χ^2/NDF: 4196330.9/26

All: 1032.186+/-0.138 χ^2/NDF: 7601275.8/55

- sign 1014.989+/-0.191 χ^2/NDF: 3387825.3/28



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: 36.009+/-621.767 χ^2/NDF:16.0/10

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

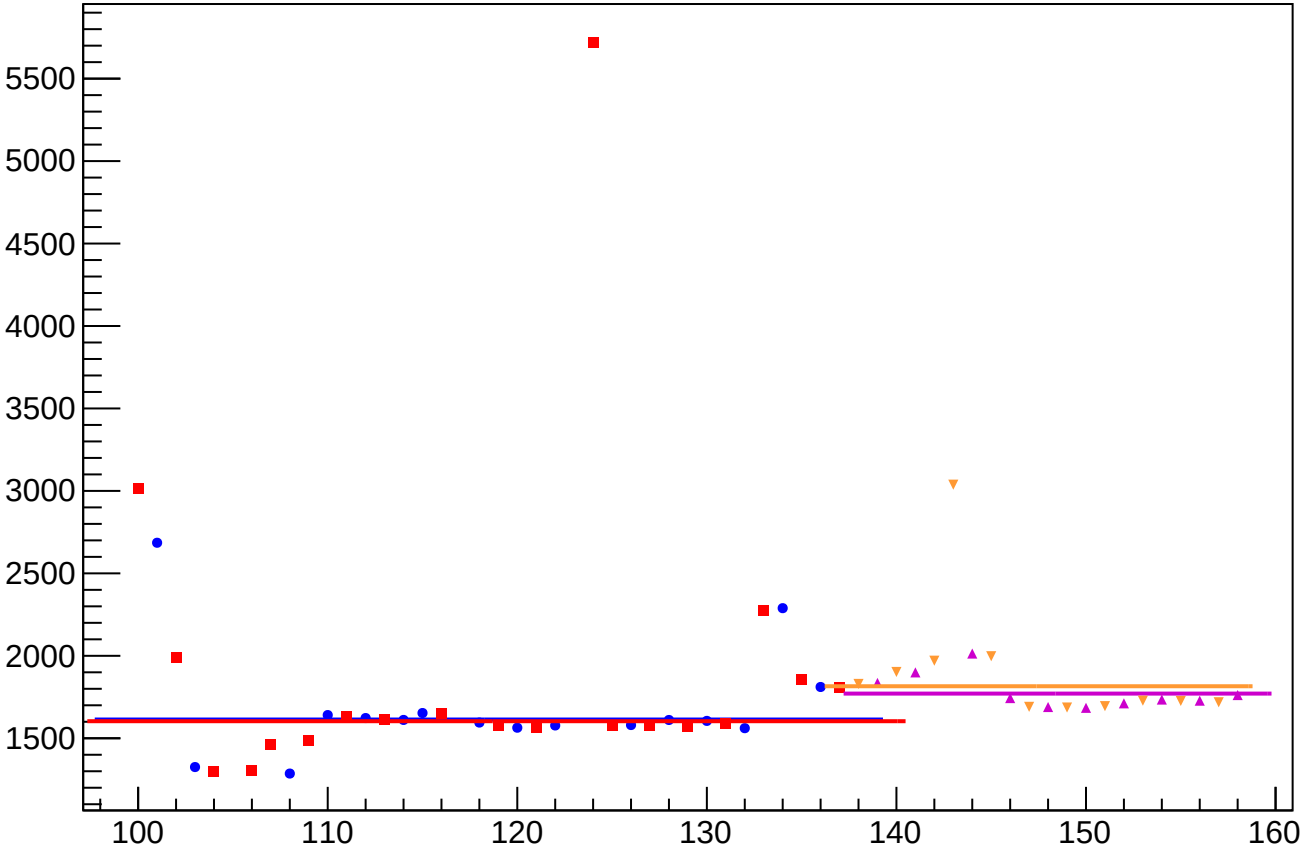
Left In: -273.843+/-600.440 χ^2/NDF:5.9/9

+ sign 612.958+/-435.134 χ^2/NDF: 32.1/26

All: 247.813+/-304.261 χ^2/NDF: 57.9/55

- sign -101.513+/-425.604 χ^2/NDF: 24.4/28

cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1815.473+/-0.440 χ^2/NDF:328180.7/10

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

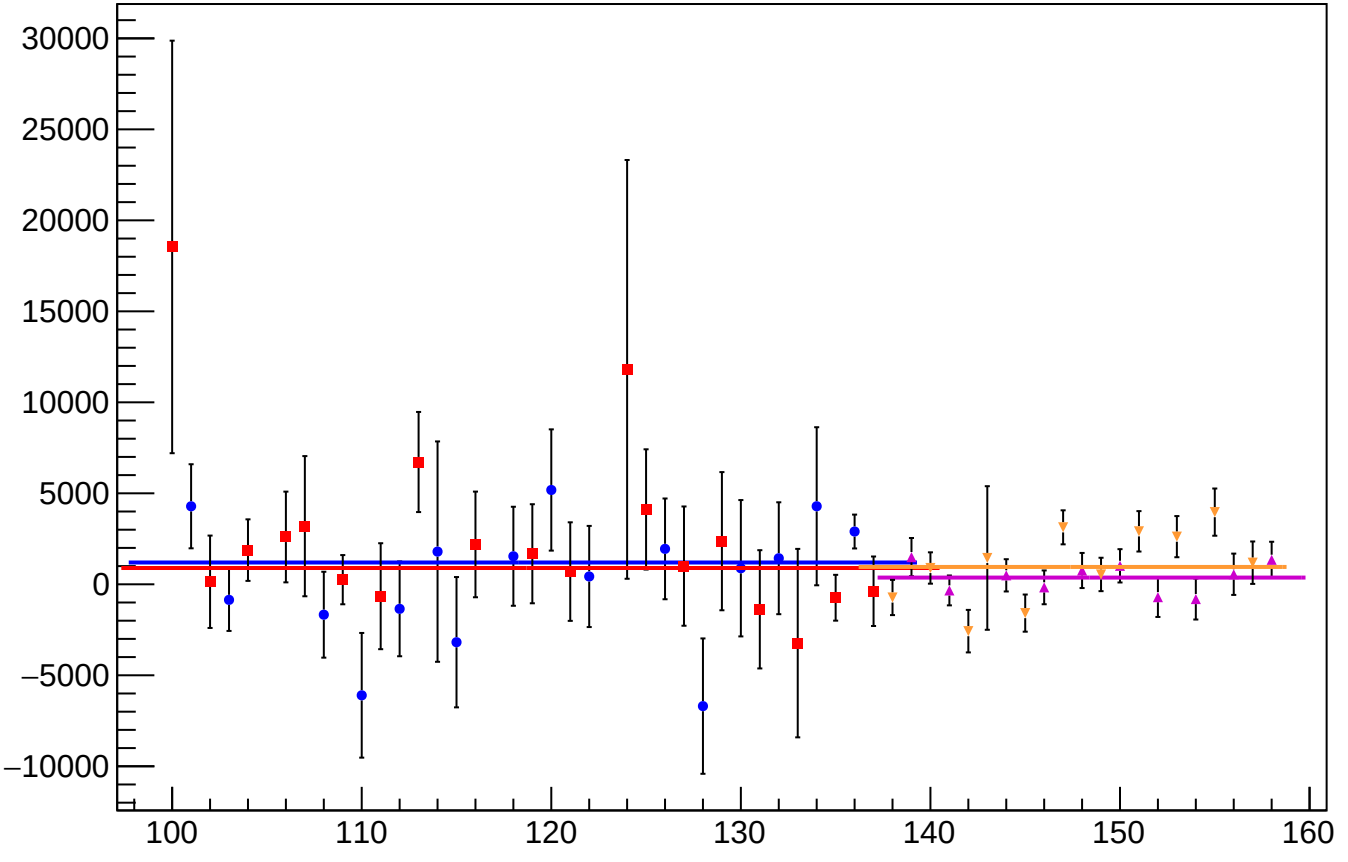
Left In: 1770.908+/-0.425 χ^2/NDF:49334.3/9

+ sign 1712.509+/-0.308 χ^2/NDF: 840363.0/26

All: 1699.775+/-0.215 χ^2/NDF: 1396232.8/55

- sign 1687.592+/-0.301 χ^2/NDF: 552518.3/28

asym_at2_dd_cor_correction_mean vs Slug



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 953.297+/-325.703 χ^2/NDF:34.7/10

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

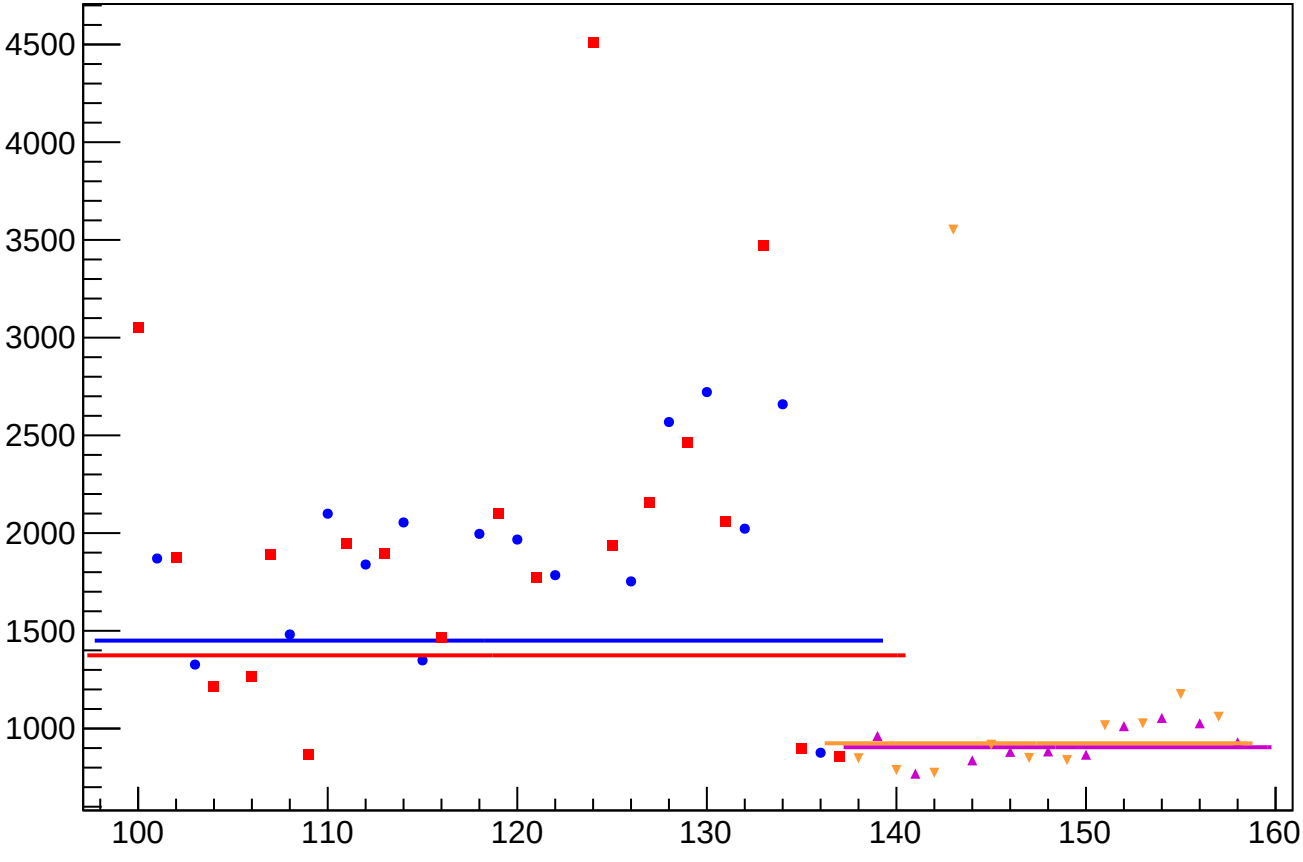
Left In: 368.986+/-308.336 χ^2/NDF:6.0/9

+ sign 1012.316+/-283.782 χ^2/NDF: 56.5/26

All: 739.261+/-195.504 χ^2/NDF: 79.1/55

- sign 492.588+/-269.724 χ^2/NDF: 20.9/28

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 924.564+/-0.230 χ^2/NDF:1146596.1/10

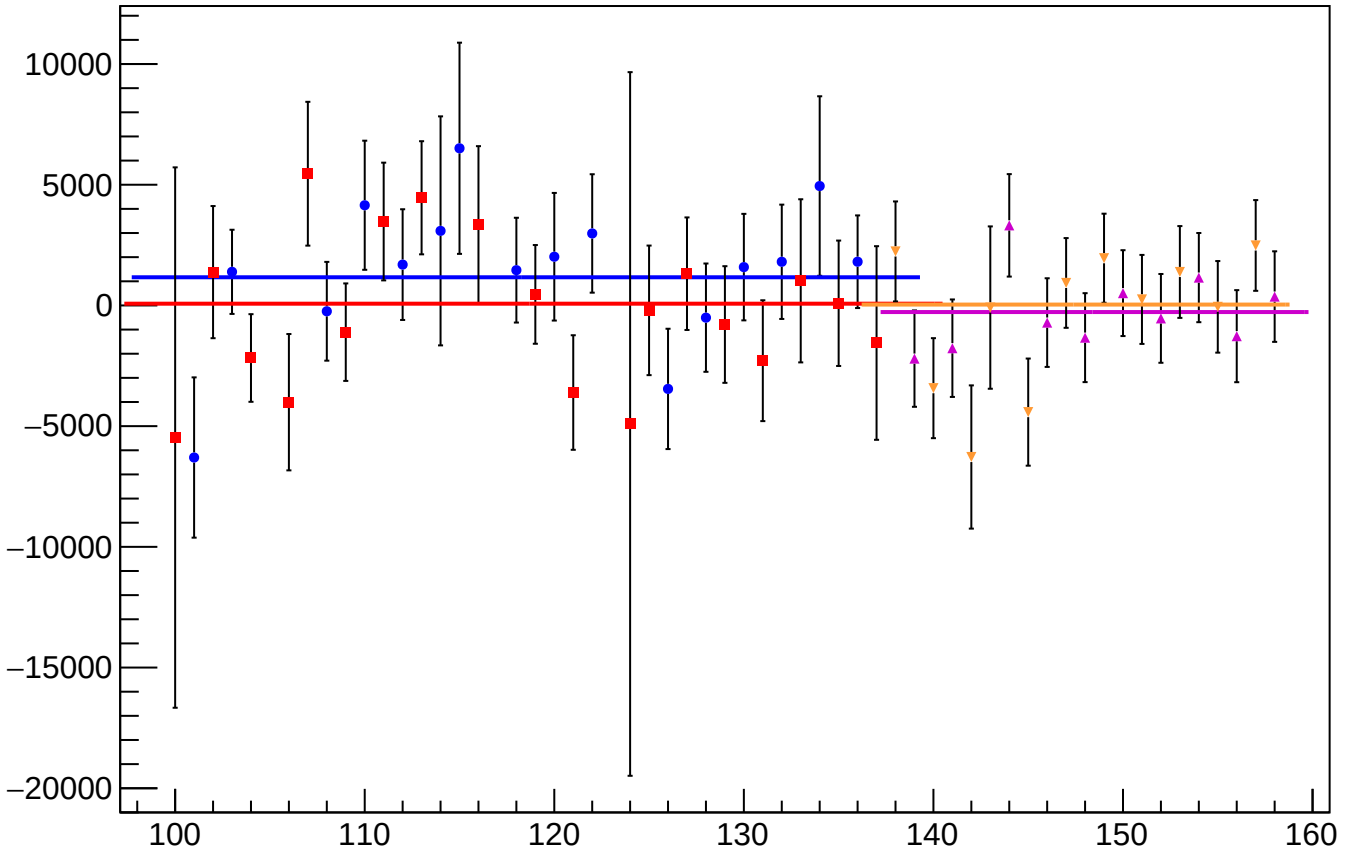
Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 904.389+/-0.218 χ^2/NDF:157471.1/9

+ sign 1051.102+/-0.201 χ^2/NDF: 4192632.0/26

All: 1032.000+/-0.138 χ^2/NDF: 7586276.8/55

- sign 1014.744+/-0.191 χ^2/NDF: 3376396.5/28



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: 36.009+/-621.767 χ^2/NDF:16.0/10

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

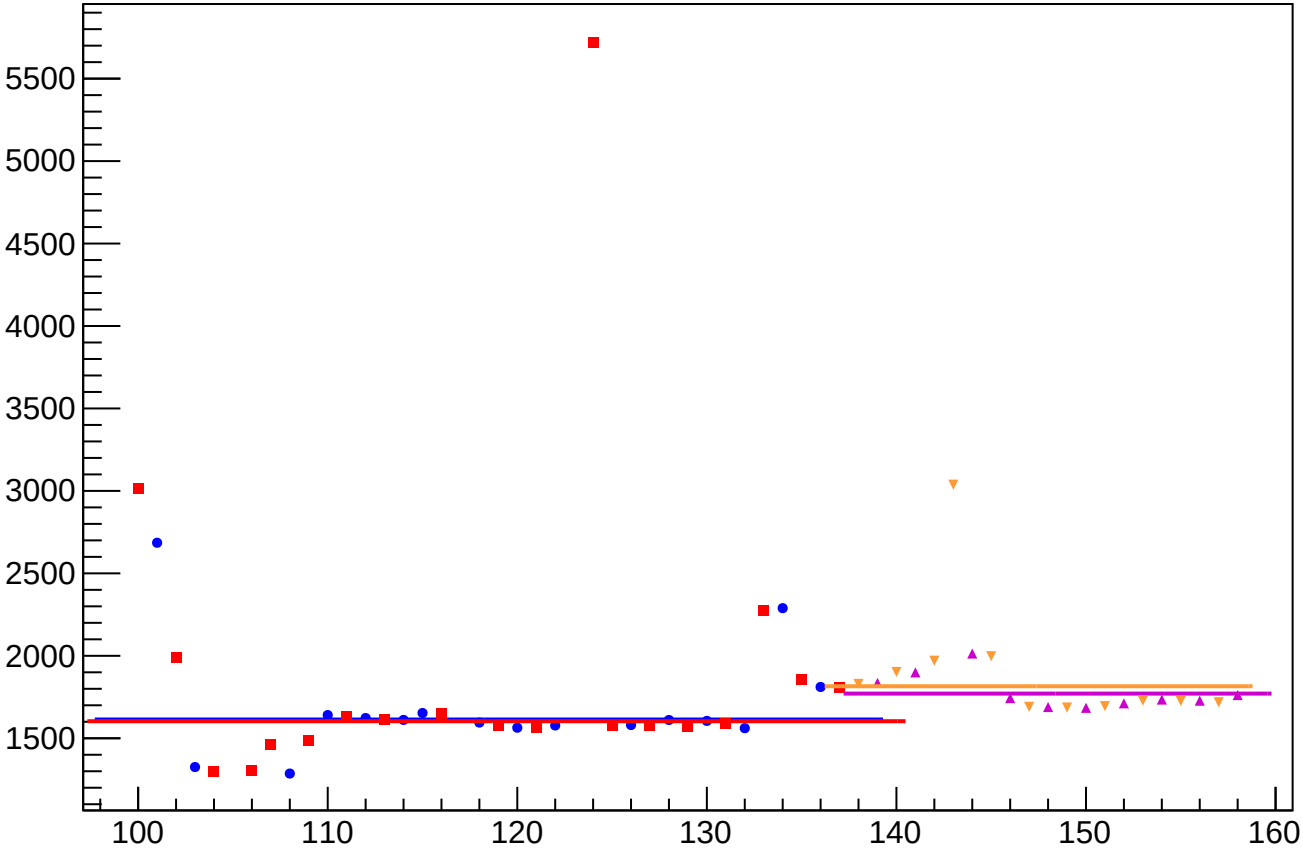
Left In: -273.843+/-600.440 χ^2/NDF:5.9/9

+ sign 612.958+/-435.134 χ^2/NDF: 32.1/26

All: 247.813+/-304.261 χ^2/NDF: 57.9/55

- sign -101.513+/-425.604 χ^2/NDF: 24.4/28

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1815.473+/-0.440 χ^2/NDF:328180.7/10

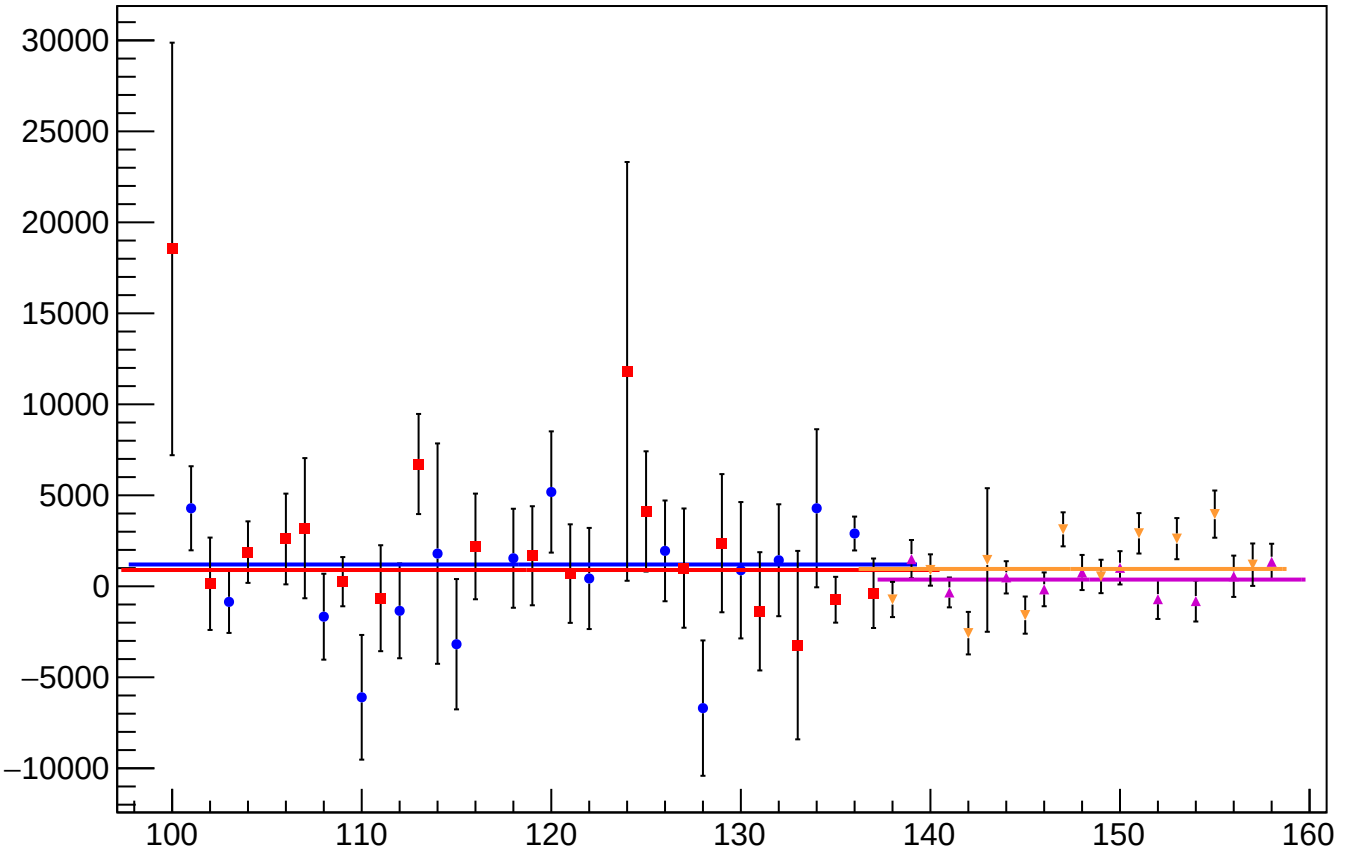
Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1770.908+/-0.425 χ^2/NDF:49334.3/9

+ sign 1712.509+/-0.308 χ^2/NDF: 840363.0/26

All: 1699.775+/-0.215 χ^2/NDF: 1396232.8/55

- sign 1687.592+/-0.301 χ^2/NDF: 552518.3/28



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 953.297+/-325.703 χ^2/NDF:34.7/10

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

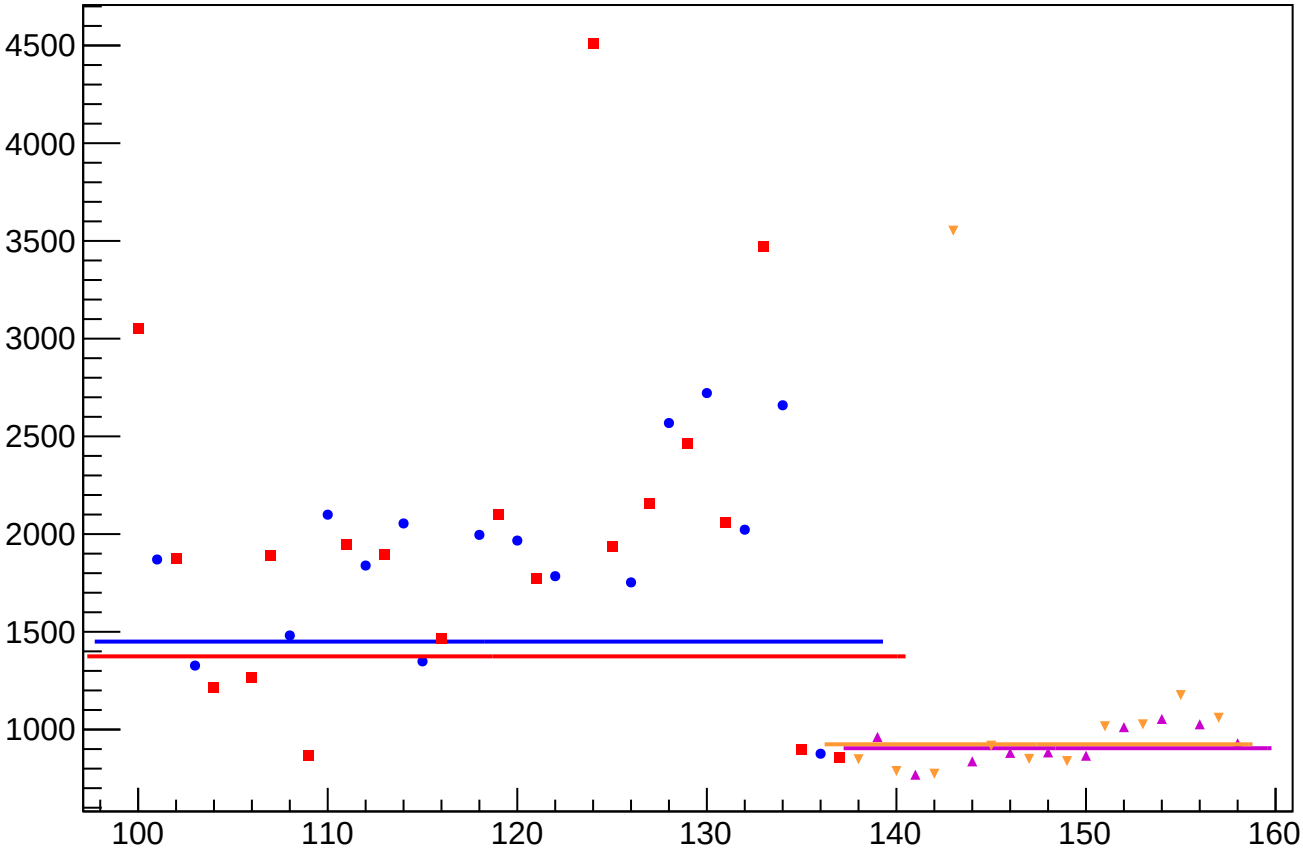
Left In: 368.986+/-308.336 χ^2/NDF:6.0/9

+ sign 1012.316+/-283.782 χ^2/NDF: 56.5/26

All: 739.261+/-195.504 χ^2/NDF: 79.1/55

- sign 492.588+/-269.724 χ^2/NDF: 20.9/28

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 924.564+/-0.230 χ^2/NDF:1146596.1/10

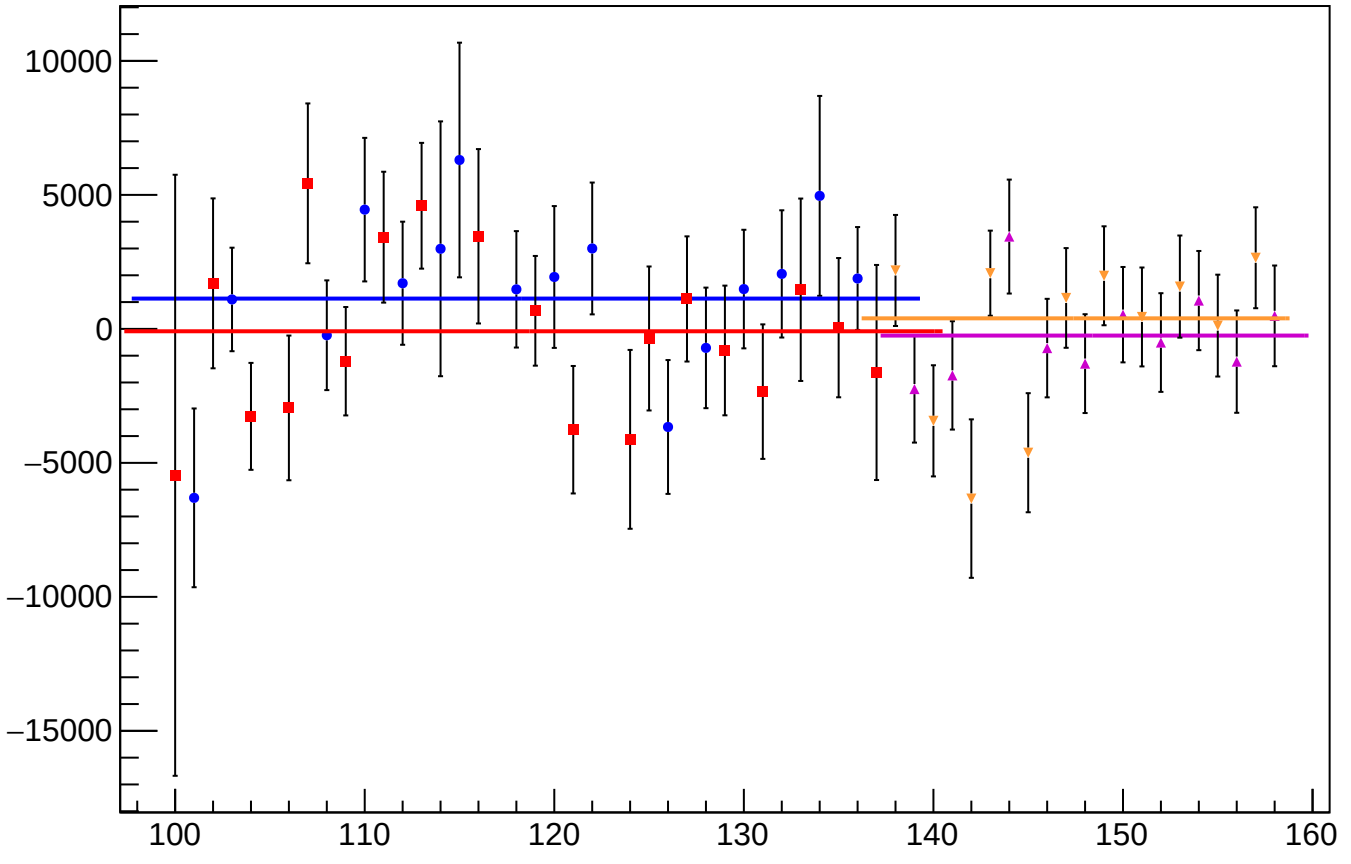
Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 904.389+/-0.218 χ^2/NDF:157471.1/9

+ sign 1051.102+/-0.201 χ^2/NDF: 4192632.0/26

All: 1032.000+/-0.138 χ^2/NDF: 7586276.8/55

- sign 1014.744+/-0.191 χ^2/NDF: 3376396.5/28



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: 393.468+/-588.311 χ^2/NDF:18.3/10

Right Out: -89.220+/-603.072 χ^2/NDF: 20.7/18

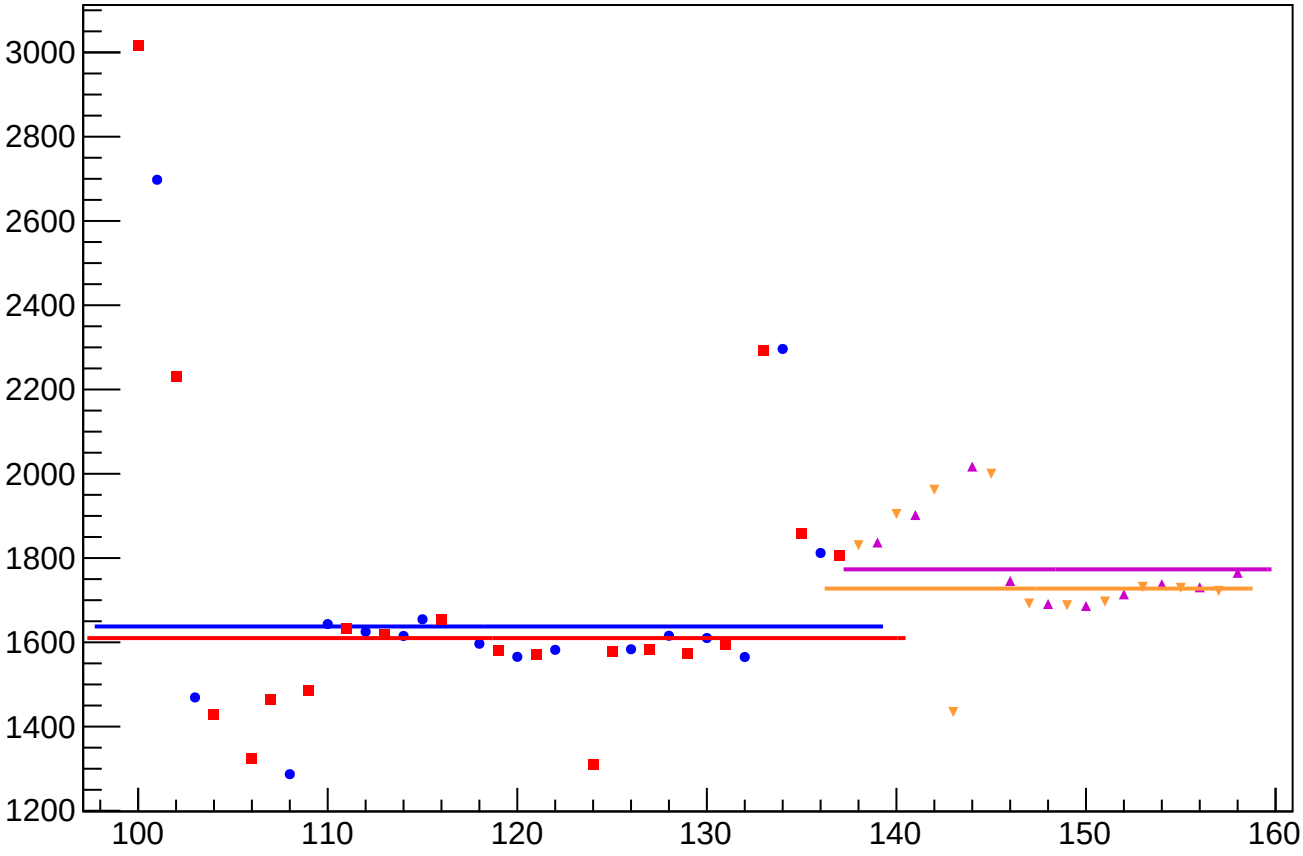
Left In: -249.610+/-601.228 χ^2/NDF:6.1/9

+ sign 744.418+/-425.857 χ^2/NDF: 34.0/26

All: 287.299+/-301.100 χ^2/NDF: 63.1/55

- sign -169.661+/-425.783 χ^2/NDF: 26.8/28

dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1727.537+/-0.416 χ^2/NDF:132462.2/10

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

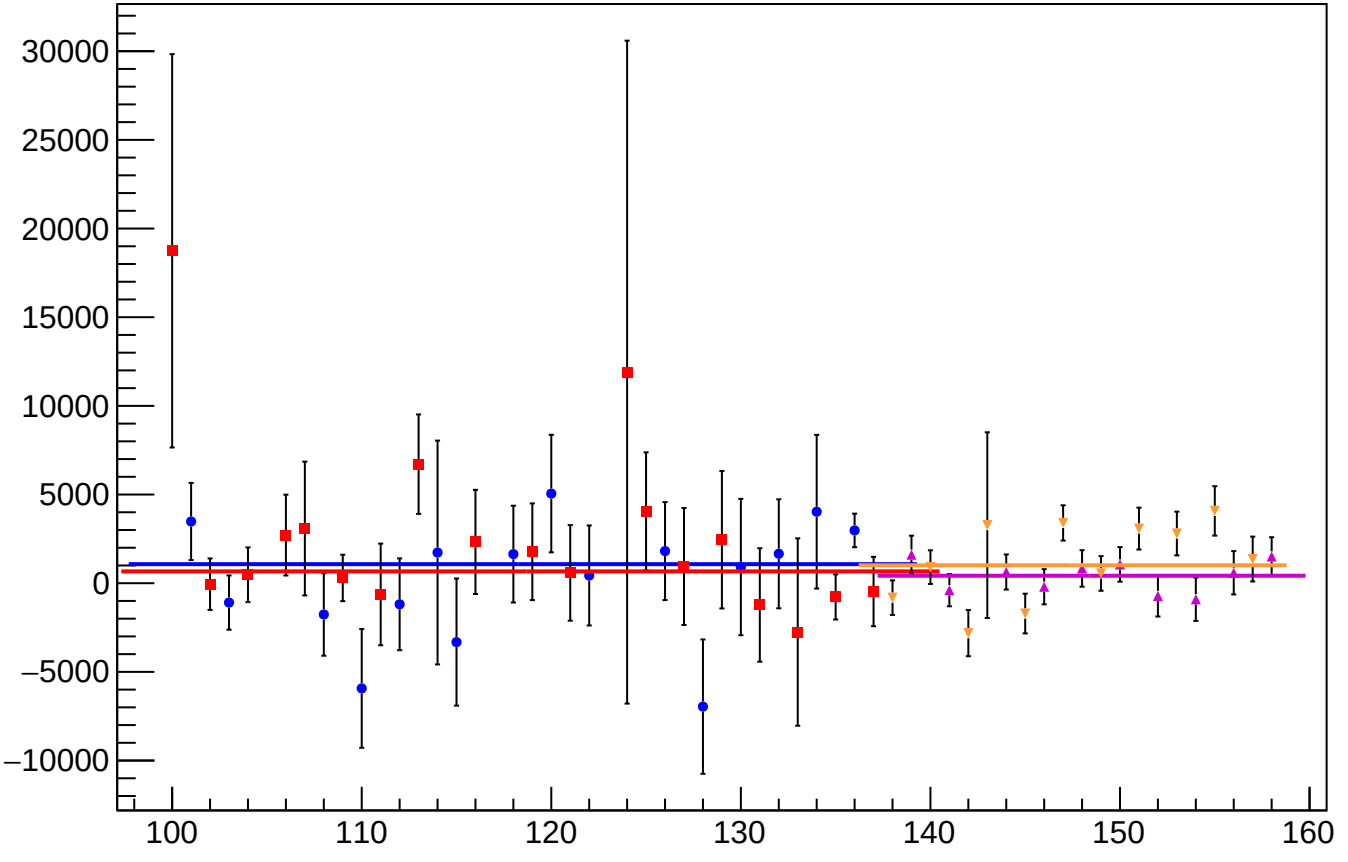
Left In: 1773.212+/-0.425 χ^2/NDF:49553.1/9

+ sign 1684.713+/-0.301 χ^2/NDF: 516141.6/26

All: 1688.296+/-0.213 χ^2/NDF: 920218.8/55

- sign 1691.877+/-0.301 χ^2/NDF: 403794.2/28

asym_at2_dd_dit_correction_mean vs Slug



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

Left Out: 1011.378+/-349.996 χ^2/NDF:34.4/10

Right Out: 667.777+/-523.477 χ^2/NDF: 13.6/18

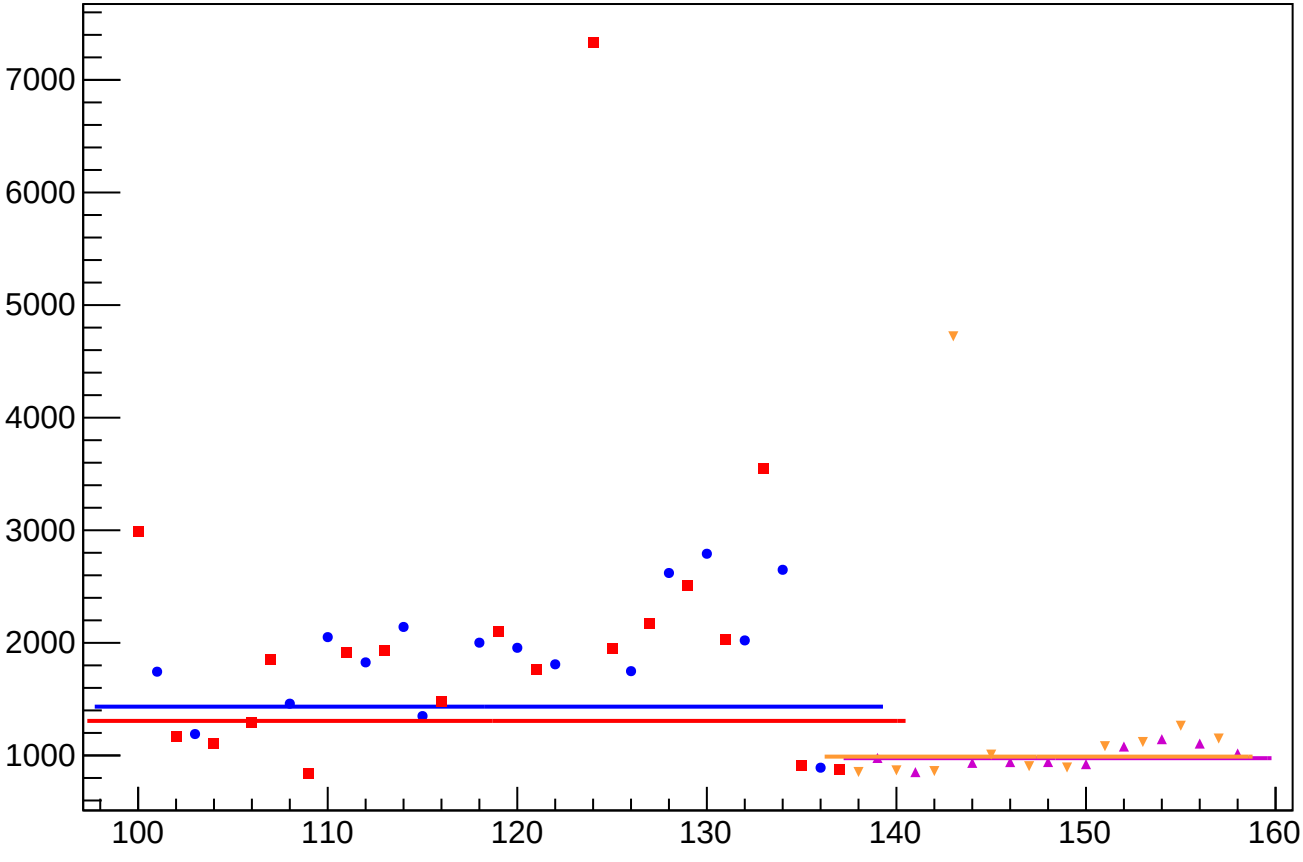
Left In: 421.497+/-332.377 χ^2/NDF:6.2/9

+ sign 1028.345+/-298.487 χ^2/NDF: 56.4/26

All: 743.753+/-204.443 χ^2/NDF: 78.0/55

- sign 492.258+/-280.594 χ^2/NDF: 19.9/28

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1433.477+/-0.404 χ^2/NDF: 1763491.8/15

Left Out: 989.657+/-0.247 χ^2/NDF:1287775.4/10

Right Out: 1306.866+/-0.370 χ^2/NDF: 2183906.3/18

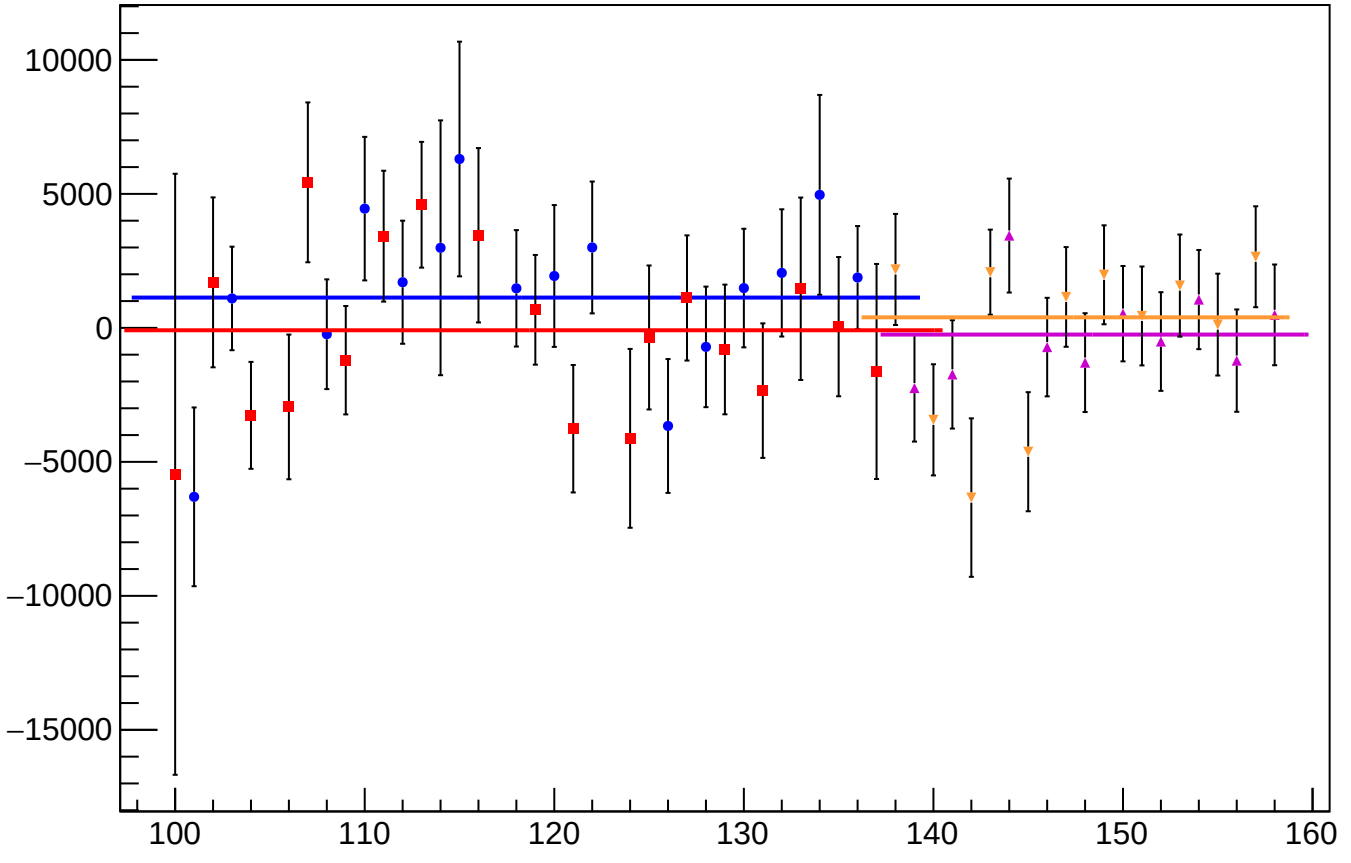
Left In: 975.746+/-0.235 χ^2/NDF:130802.4/9

+ sign 1110.678+/-0.211 χ^2/NDF: 3928208.6/26

All: 1089.552+/-0.145 χ^2/NDF: 6832089.8/55

- sign 1070.883+/-0.198 χ^2/NDF: 2885008.5/28

eigen_dit_asym_at2_dd_mean vs Slug



Right In: 1130.728+/-617.236 χ^2/NDF: 15.0/15

Left Out: 393.459+/-588.311 χ^2/NDF:18.3/10

Right Out: -89.225+/-603.072 χ^2/NDF: 20.7/18

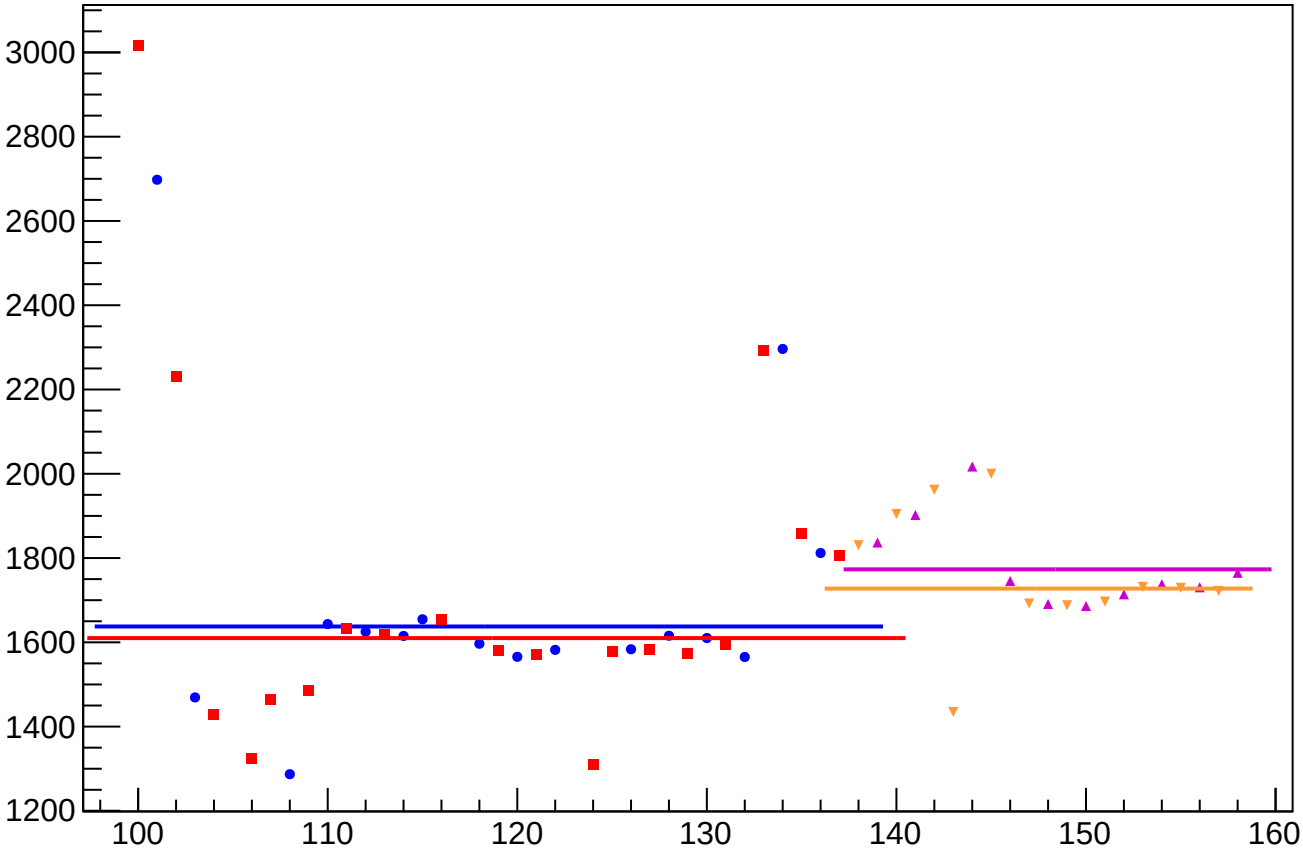
Left In: -249.605+/-601.228 χ^2/NDF:6.1/9

+ sign 744.414+/-425.857 χ^2/NDF: 34.0/26

All: 287.297+/-301.100 χ^2/NDF: 63.1/55

- sign -169.661+/-425.783 χ^2/NDF: 26.8/28

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1727.538+/-0.416 χ^2/NDF:132461.1/10

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

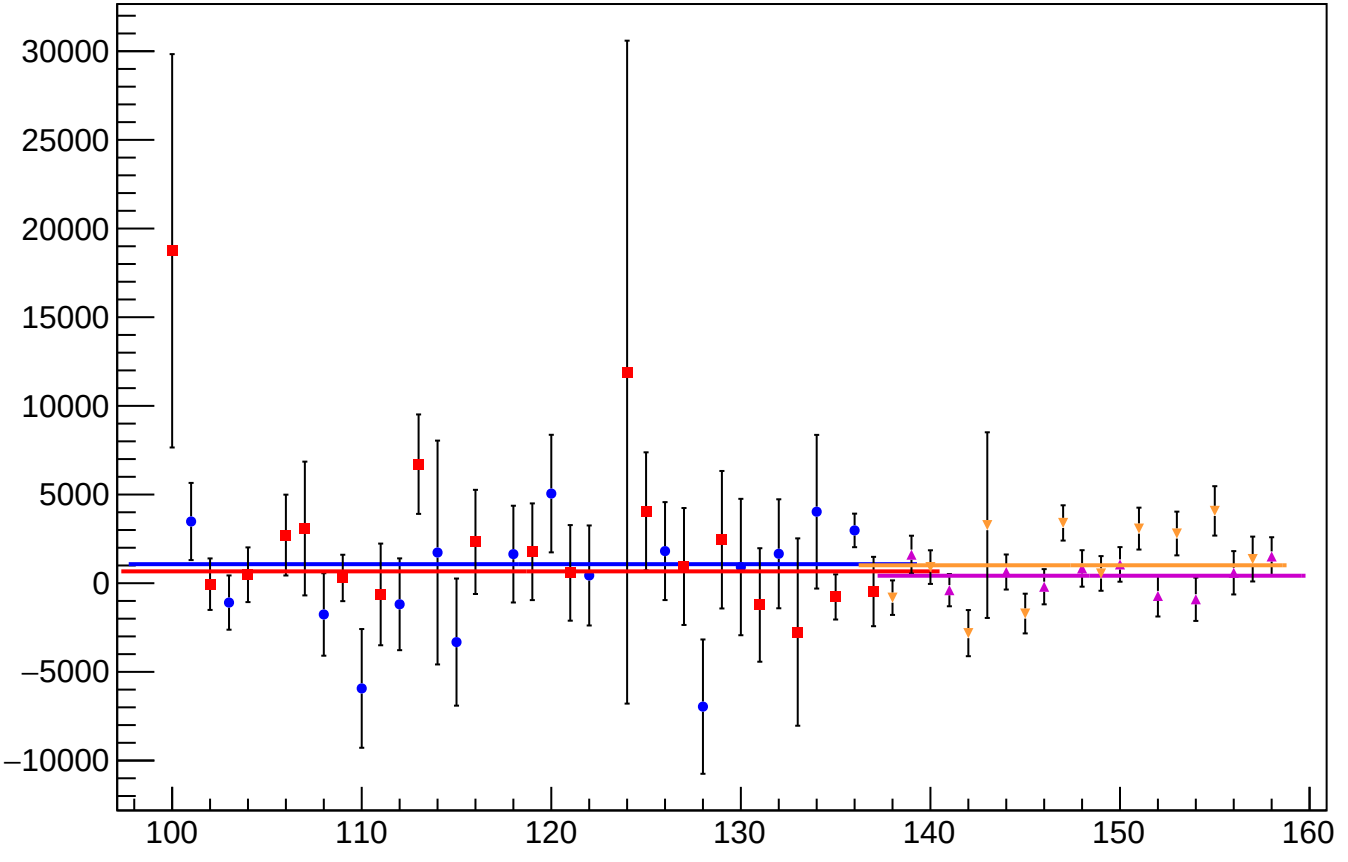
Left In: 1773.212+/-0.425 χ^2/NDF:49553.2/9

+ sign 1684.713+/-0.301 χ^2/NDF: 516140.6/26

All: 1688.296+/-0.213 χ^2/NDF: 920218.2/55

- sign 1691.877+/-0.301 χ^2/NDF: 403794.6/28

asym_at2_dd_eigen_dit_correction_mean vs Slug



Right In: 1073.589+/-571.613 χ^2/NDF: 22.0/15

Left Out: 1011.394+/-349.998 χ^2/NDF:34.4/10

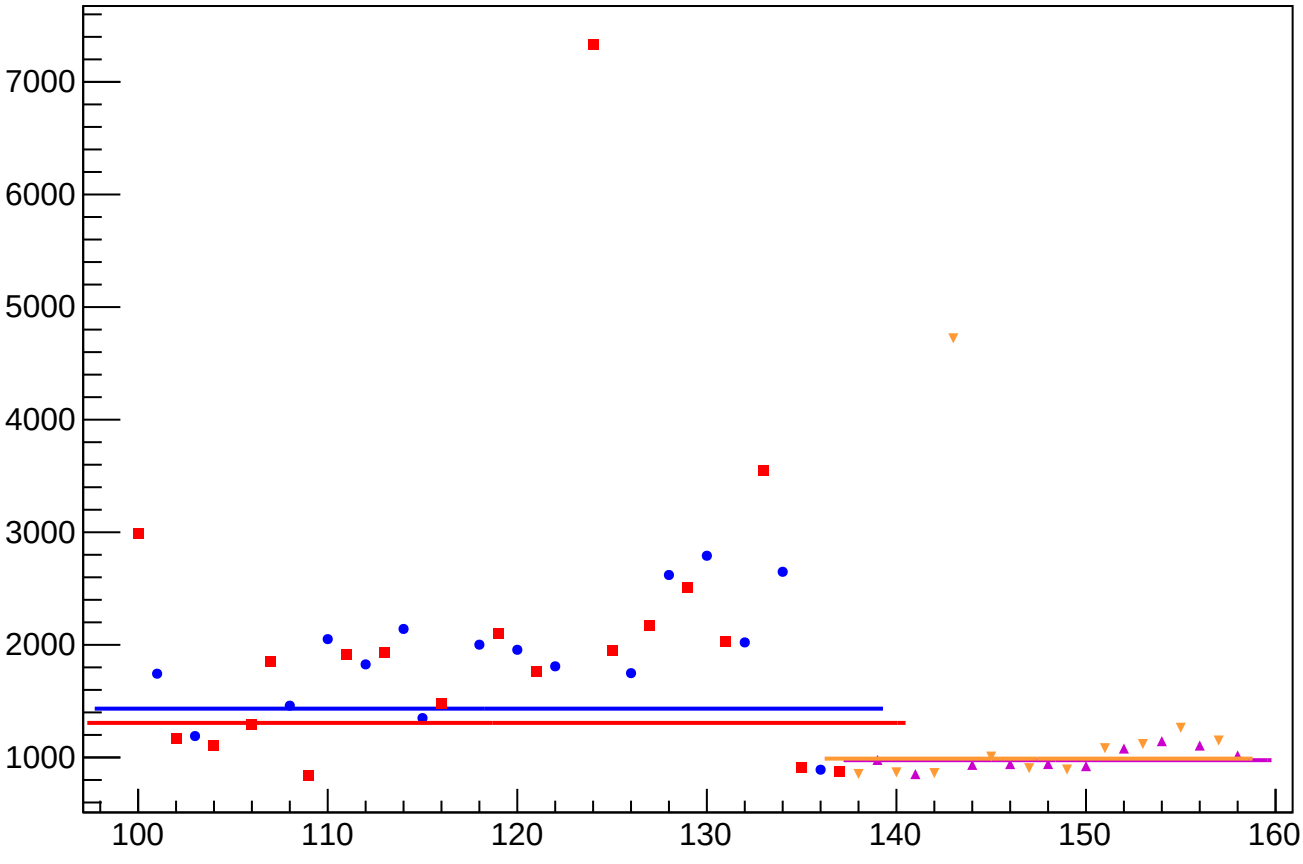
Right Out: 667.789+/-523.481 χ^2/NDF: 13.6/18

Left In: 421.498+/-332.378 χ^2/NDF:6.2/9

+ sign 1028.353+/-298.489 χ^2/NDF: 56.4/26

All: 743.758+/-204.444 χ^2/NDF: 78.0/55

- sign 492.261+/-280.595 χ^2/NDF: 19.9/28



Right In: 1433.492+/-0.404 χ^2/NDF: 1763397.4/15

Left Out: 989.662+/-0.247 χ^2/NDF:1287753.8/10

Right Out: 1306.880+/-0.370 χ^2/NDF: 2183835.0/18

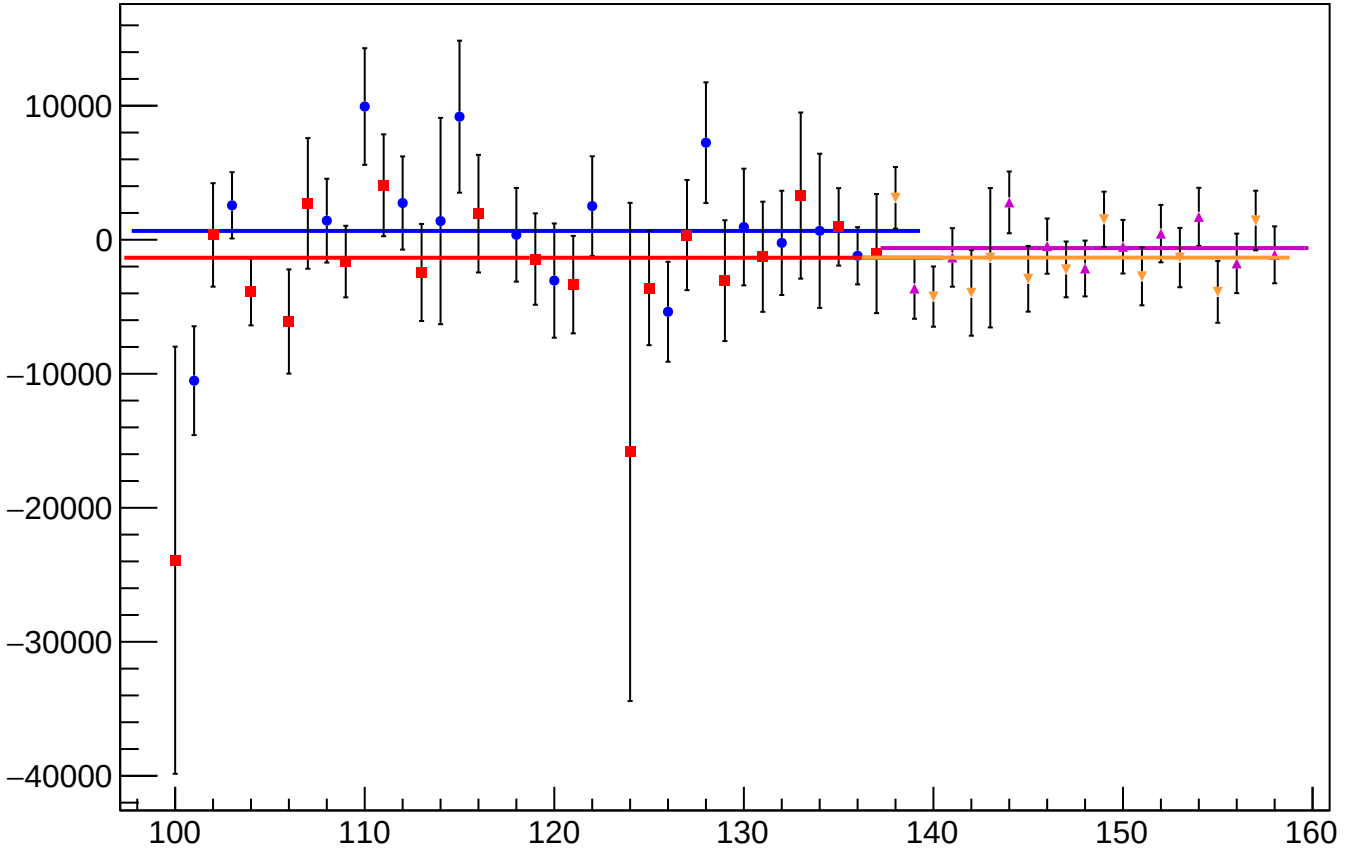
Left In: 975.748+/-0.235 χ^2/NDF:130803.4/9

+ sign 1110.686+/-0.211 χ^2/NDF: 3928122.5/26

All: 1089.558+/-0.145 χ^2/NDF: 6831968.6/55

- sign 1070.887+/-0.198 χ^2/NDF: 2884970.7/28

asym_at2_dd_mean vs Slug



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -1334.048+/-713.696 χ^2/NDF:11.8/10

Right Out: -1341.998+/-890.576 χ^2/NDF: 10.8/18

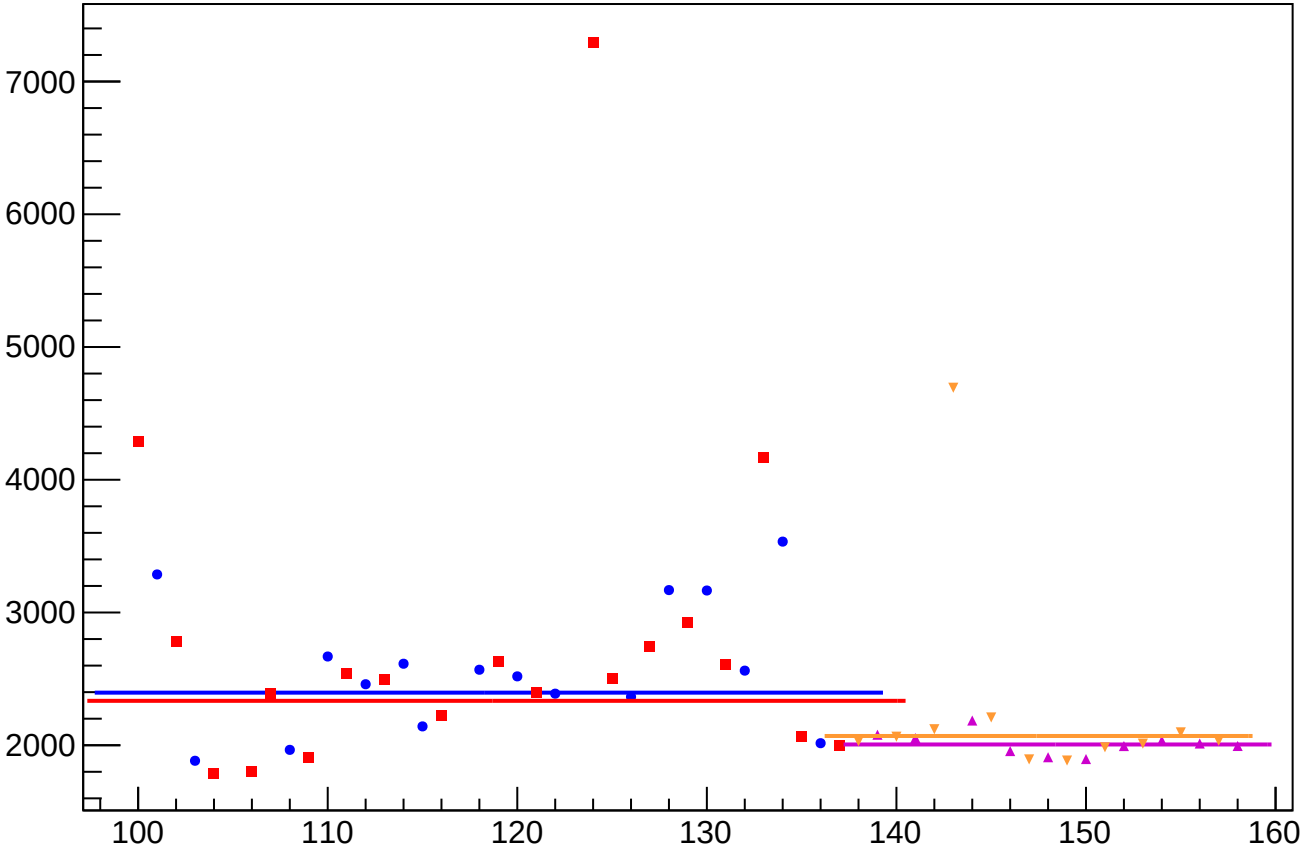
Left In: -619.353+/-679.722 χ^2/NDF:6.3/9

\+ sign -574.392+/-561.482 χ^2/NDF: 36.8/26

All: -735.845+/-389.332 χ^2/NDF: 54.5/55

\- sign -885.360+/-540.325 χ^2/NDF: 17.6/28

asym_at2_dd_rms vs Slug



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 2069.812+/-0.505 χ^2/NDF:552201.4/10

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

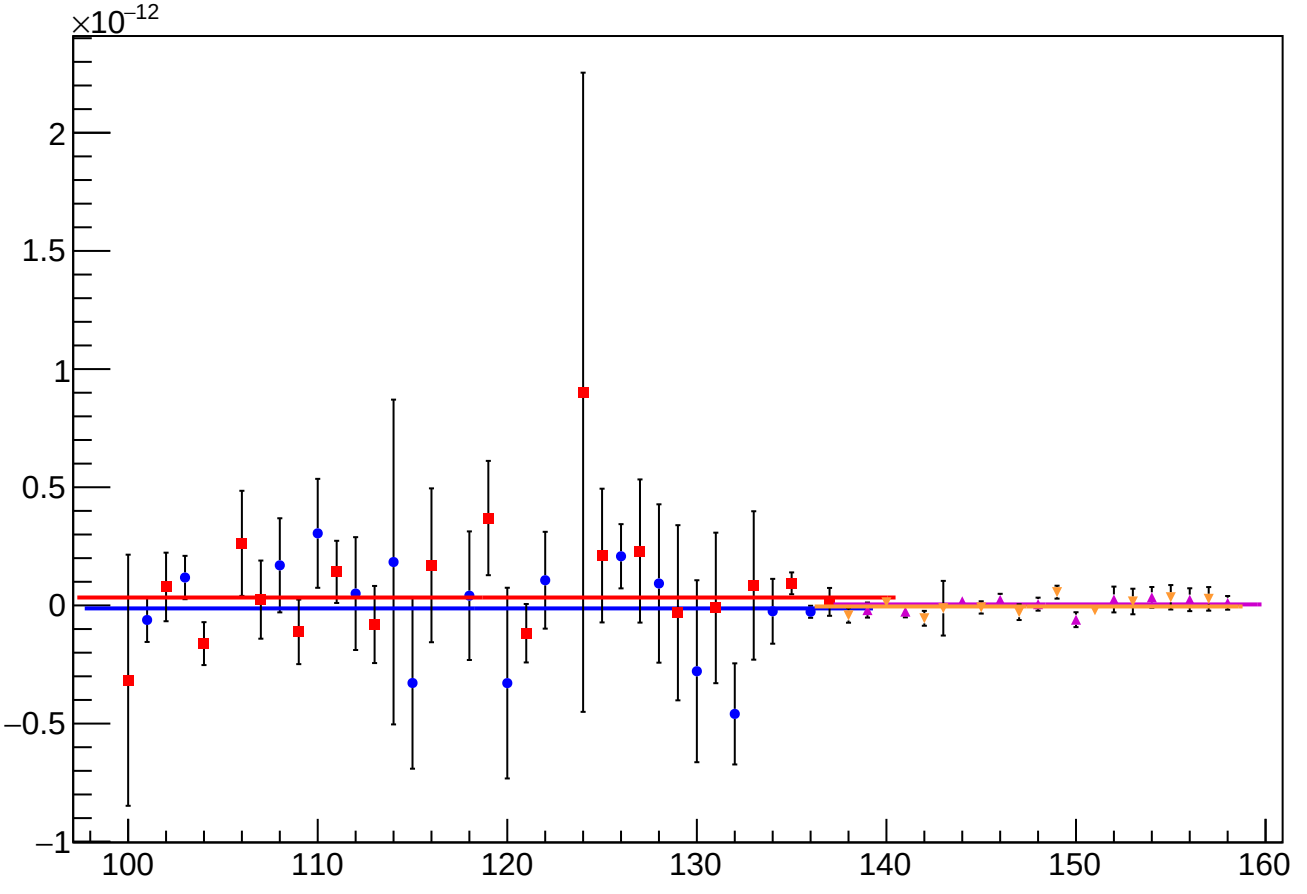
Left In: 2005.833+/-0.481 χ^2/NDF:27286.6/9

+ sign 2194.216+/-0.397 χ^2/NDF: 1219566.4/26

All: 2159.241+/-0.275 χ^2/NDF: 2115593.8/55

- sign 2126.851+/-0.382 χ^2/NDF: 881080.1/28

asym_at2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.2/10

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

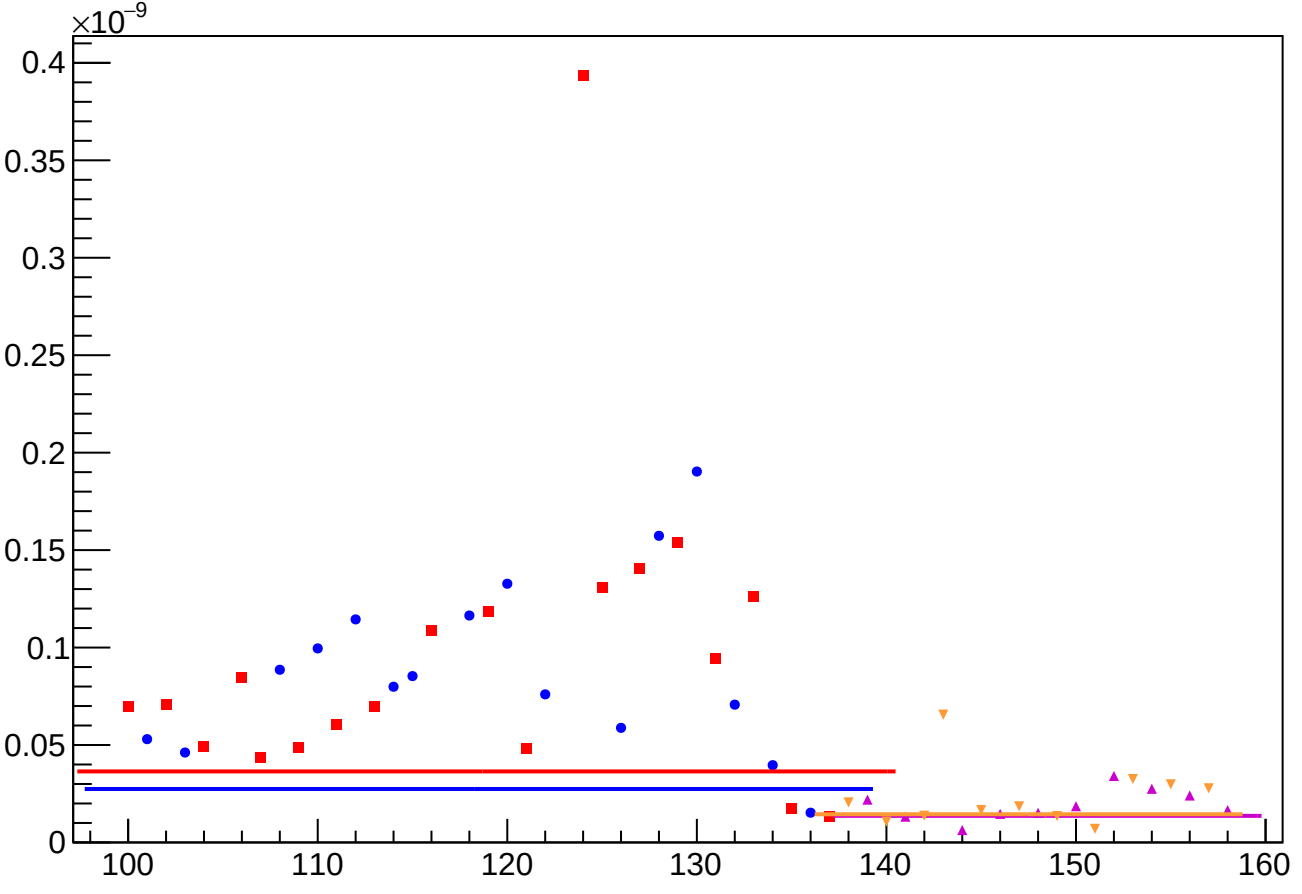
Left In: 0.000+/-0.000 χ^2/NDF:8.6/9

+ sign -0.000+/-0.000 χ^2/NDF: 27.1/26

All: 0.000+/-0.000 χ^2/NDF: 53.1/55

- sign 0.000+/-0.000 χ^2/NDF: 24.8/28

asym_at2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1460754.8/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

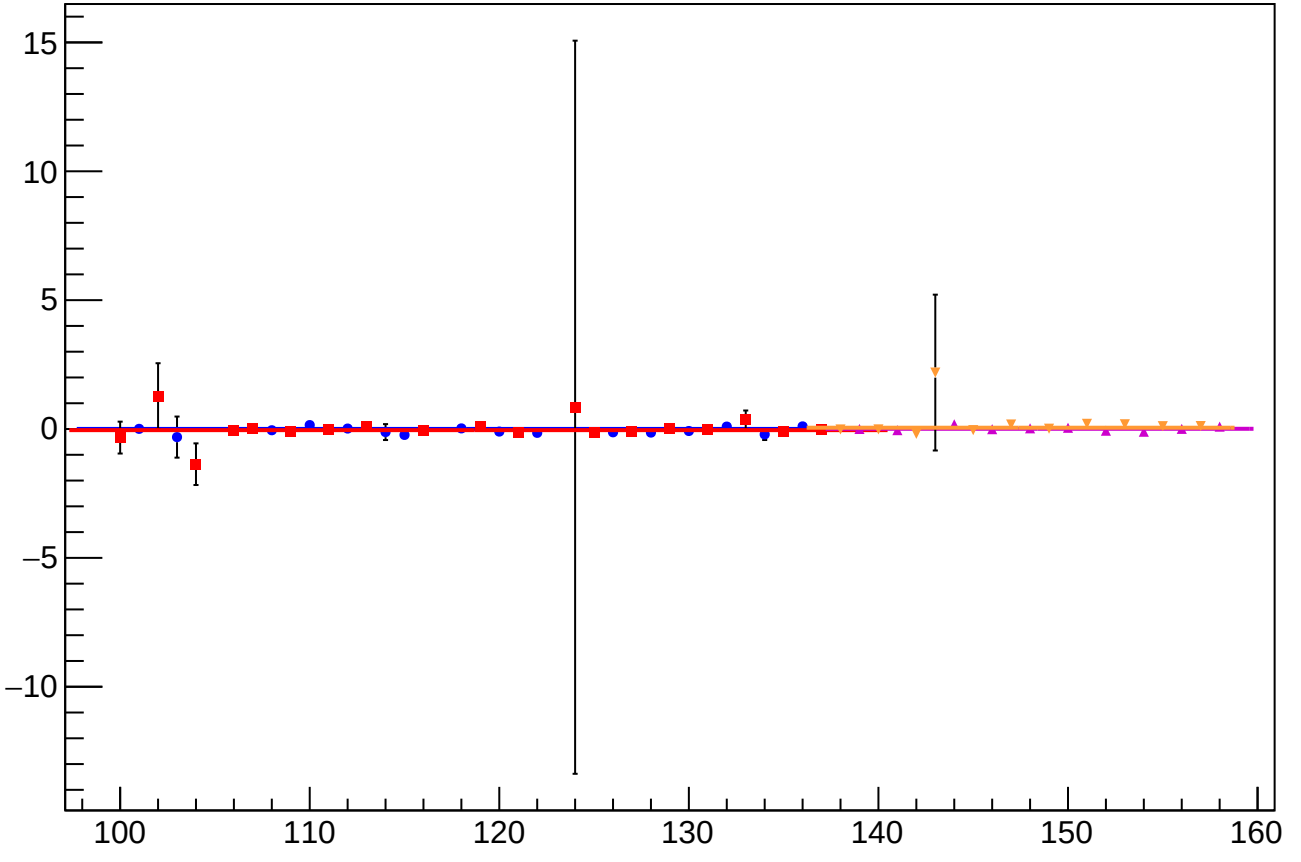
Left In: 0.000+/-0.000 χ^2/NDF:1347613.4/9

+ sign 0.000+/-0.000 χ^2/NDF: 4777969.5/26

All: 0.000+/-0.000 χ^2/NDF: 9793286.3/55

- sign 0.000+/-0.000 χ^2/NDF: 5007110.8/28

asym_at2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.050+/-0.024 χ^2/NDF:17.0/10

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

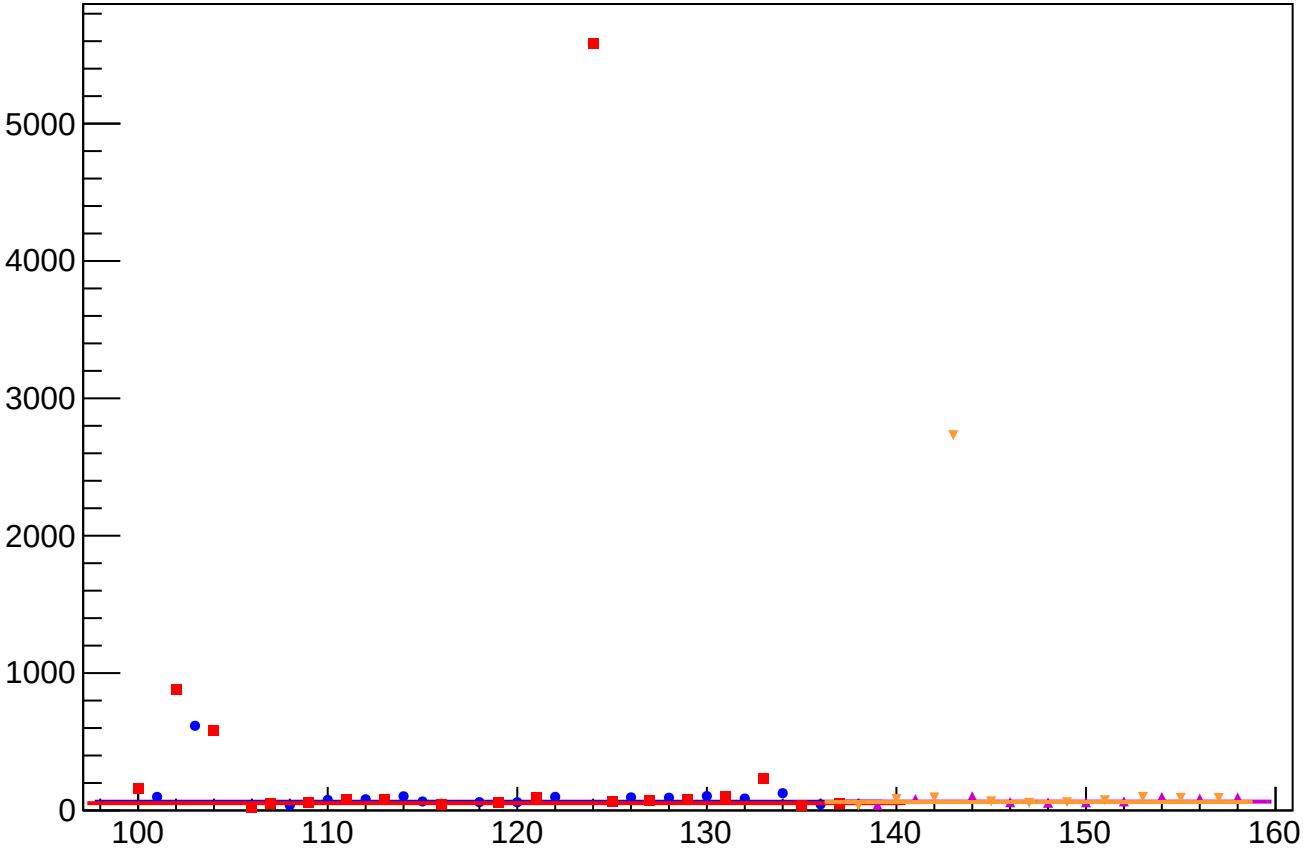
Left In: 0.009+/-0.024 χ^2/NDF:6.0/9

+ sign 0.030+/-0.018 χ^2/NDF: 31.9/26

All: 0.005+/-0.012 χ^2/NDF: 56.3/55

- sign -0.016+/-0.017 χ^2/NDF: 21.0/28

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 61.259+/-0.017 χ^2/NDF:3113766.6/10

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

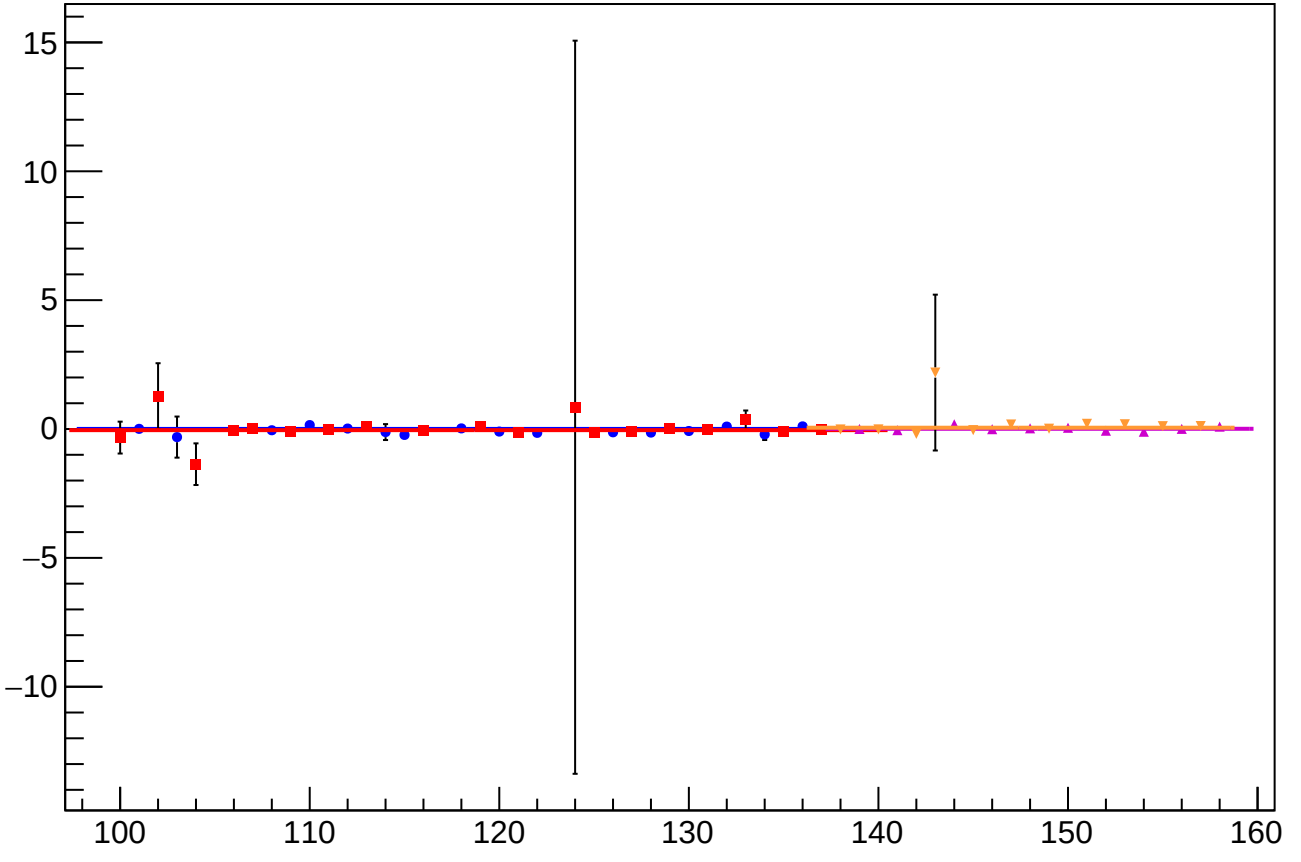
Left In: 64.370+/-0.017 χ^2/NDF:1325205.4/9

+ sign 62.228+/-0.013 χ^2/NDF: 5566292.9/26

All: 60.537+/-0.009 χ^2/NDF: 11080448.7/55

- sign 59.003+/-0.012 χ^2/NDF: 5480795.3/28

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.050+/-0.024 χ^2/NDF:17.0/10

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

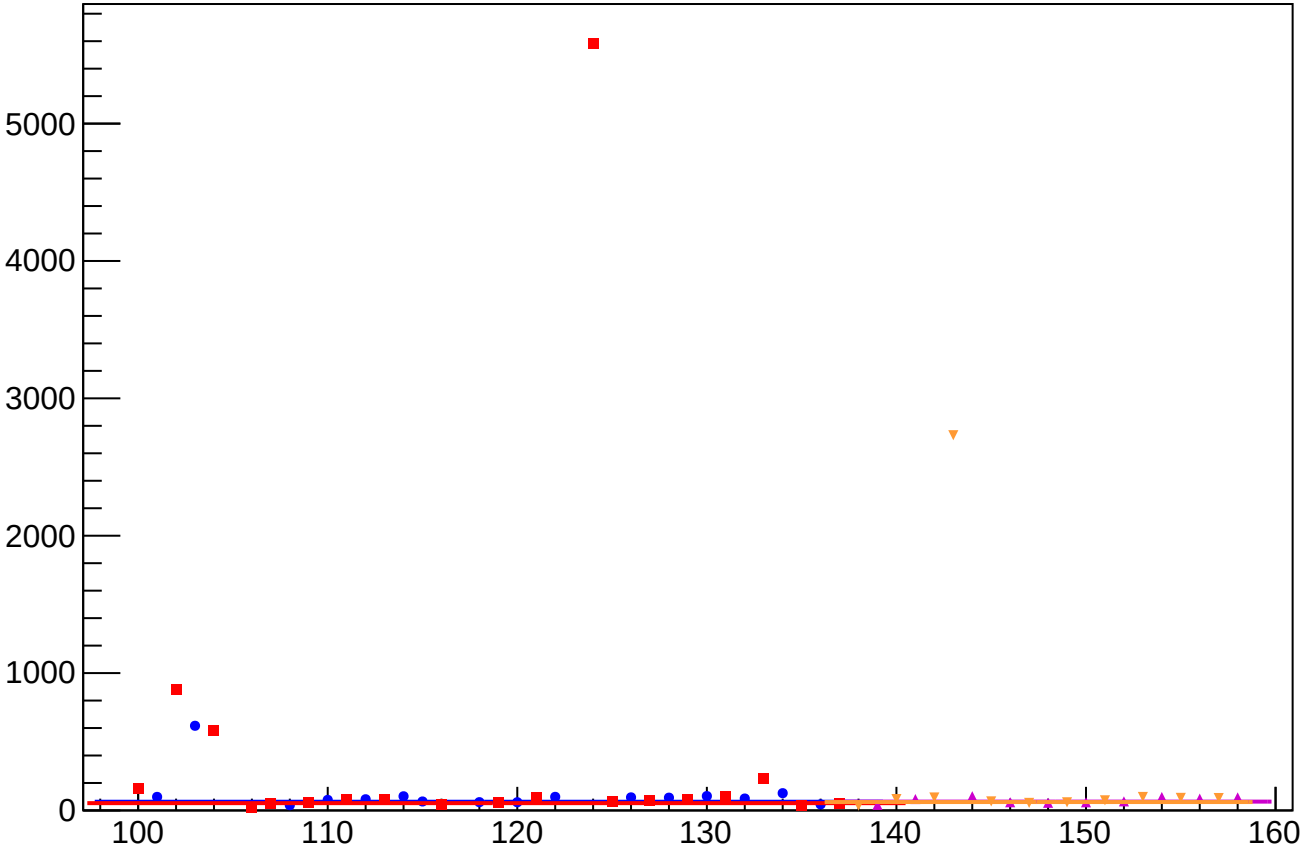
Left In: 0.009+/-0.024 χ^2/NDF:6.0/9

+ sign 0.030+/-0.018 χ^2/NDF: 31.9/26

All: 0.005+/-0.012 χ^2/NDF: 56.3/55

- sign -0.016+/-0.017 χ^2/NDF: 21.0/28

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 61.259+/-0.017 χ^2/NDF:3113766.6/10

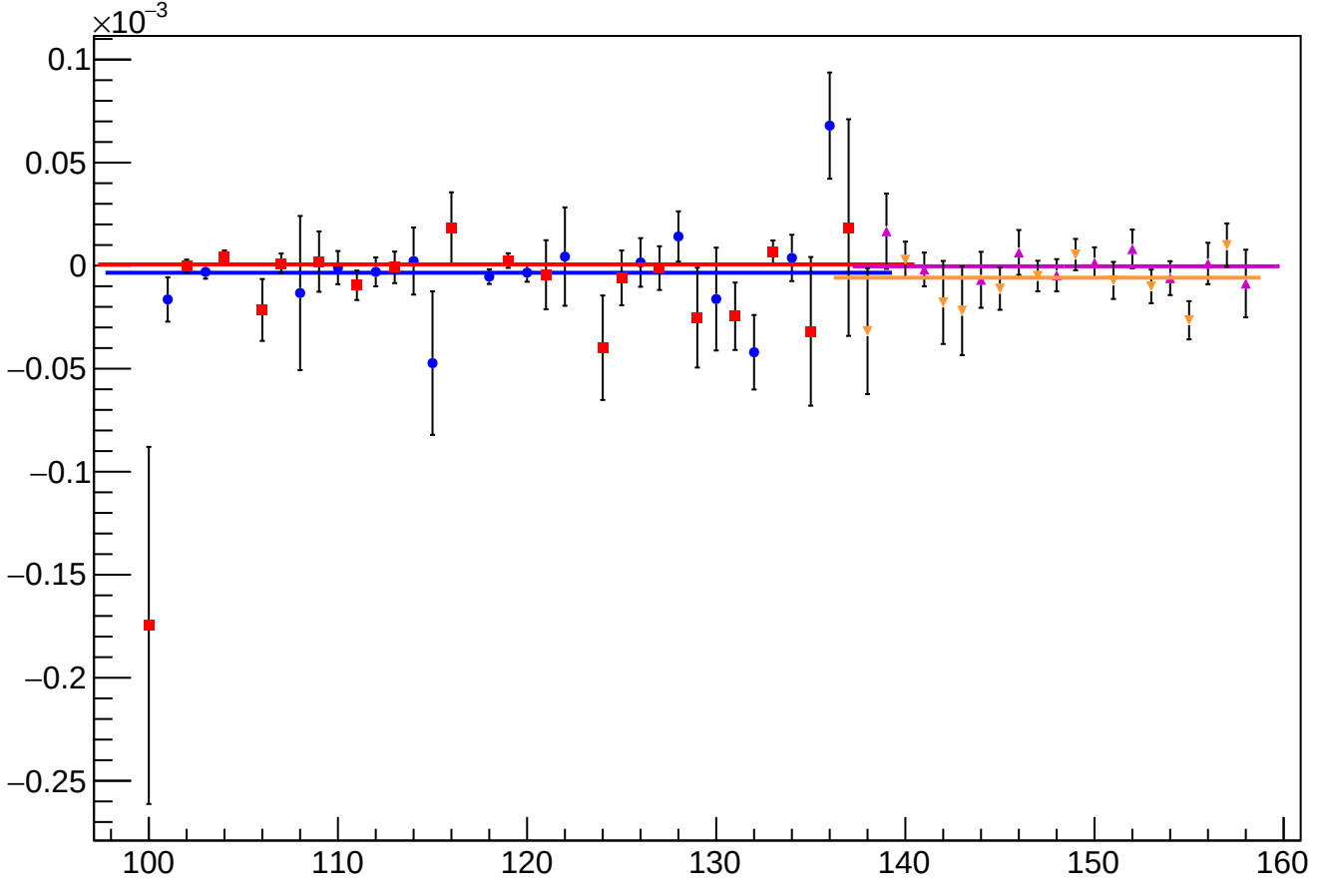
Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 64.370+/-0.017 χ^2/NDF:1325205.4/9

+ sign 62.228+/-0.013 χ^2/NDF: 5566292.9/26

All: 60.537+/-0.009 χ^2/NDF: 11080448.7/55

- sign 59.003+/-0.012 χ^2/NDF: 5480795.3/28



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.6/10

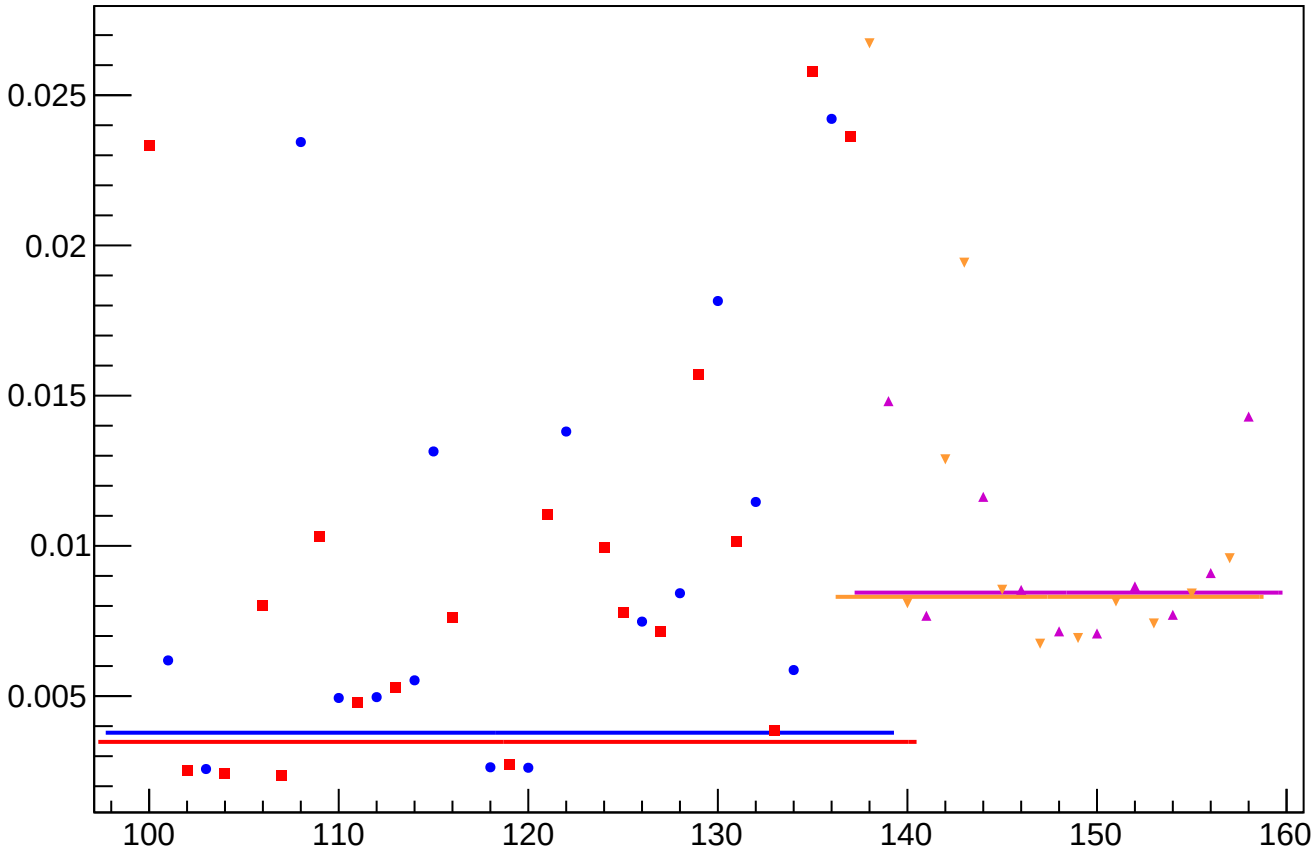
Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: -0.000+/-0.000 χ^2/NDF:3.4/9

+ sign -0.000+/-0.000 χ^2/NDF: 31.9/26

All: -0.000+/-0.000 χ^2/NDF: 59.3/55

- sign 0.000+/-0.000 χ^2/NDF: 22.7/28



Right In: 0.004+/-0.000 χ^2/NDF: 4719536.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:1574186.4/10

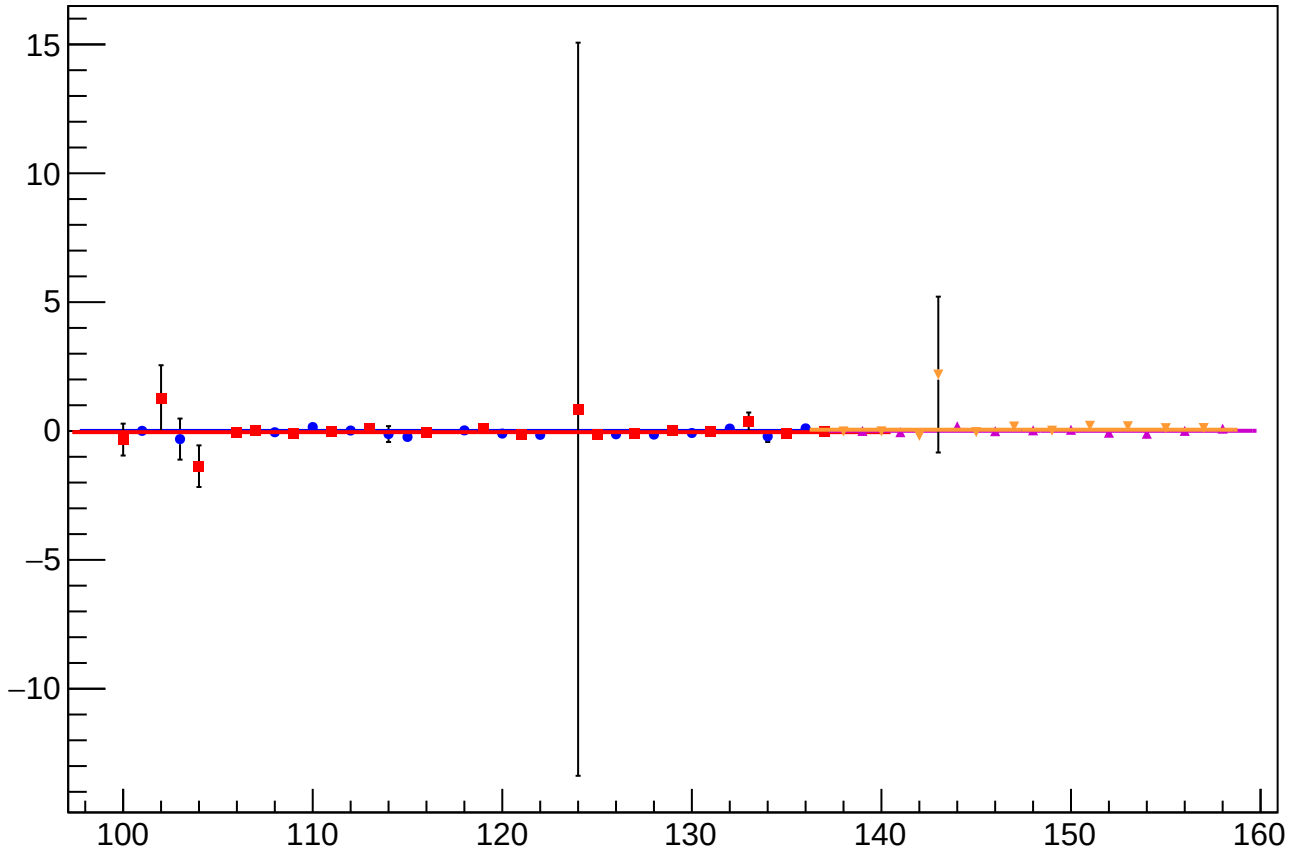
Right Out: 0.003+/-0.000 χ^2/NDF: 4495340.7/18

Left In: 0.008+/-0.000 χ^2/NDF:772932.3/9

+ sign 0.005+/-0.000 χ^2/NDF: 9617662.5/26

All: 0.005+/-0.000 χ^2/NDF: 19181718.5/55

- sign 0.004+/-0.000 χ^2/NDF: 9434503.6/28



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.050+/-0.024 χ^2/NDF:17.0/10

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

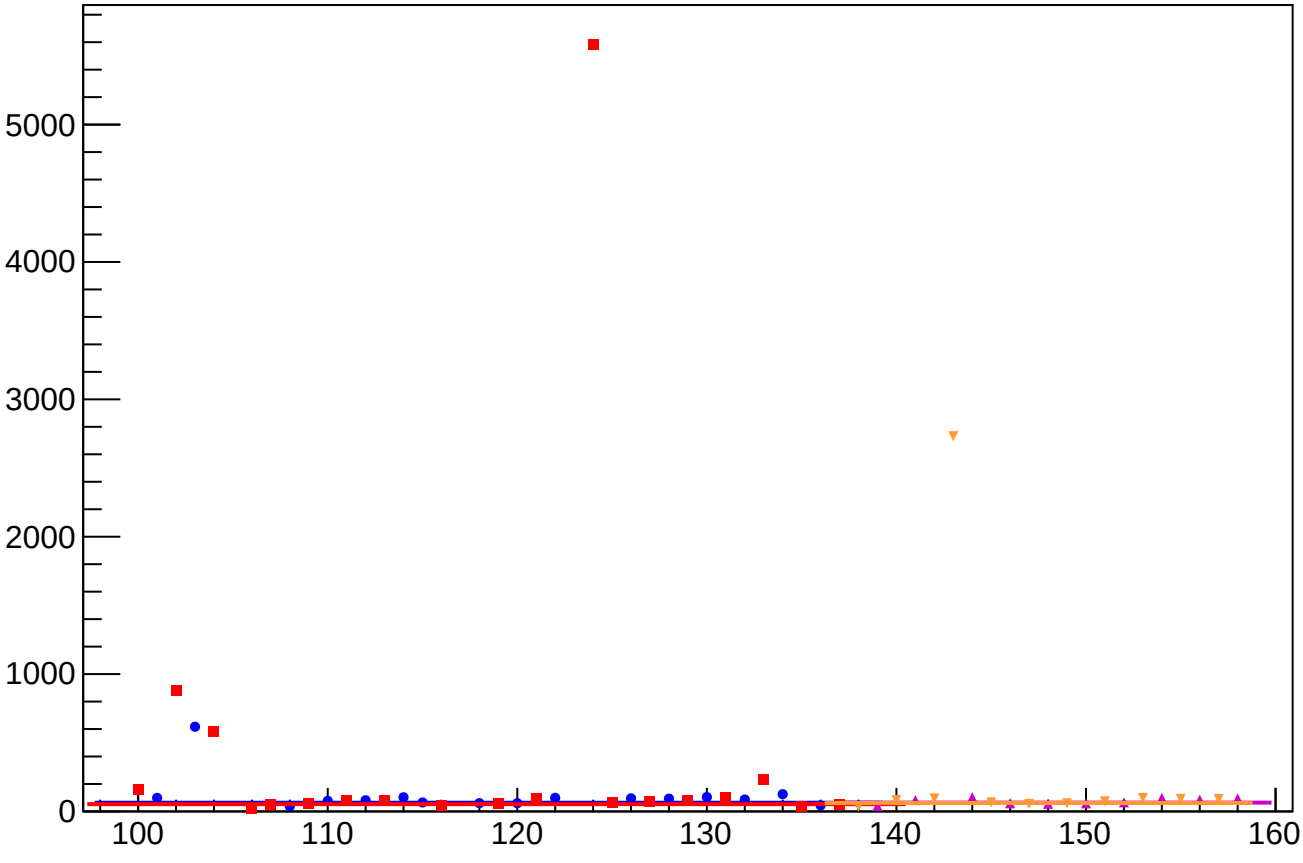
Left In: 0.009+/-0.024 χ^2/NDF:6.0/9

+ sign 0.030+/-0.018 χ^2/NDF: 31.9/26

All: 0.005+/-0.012 χ^2/NDF: 56.3/55

- sign -0.016+/-0.017 χ^2/NDF: 21.0/28

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 61.256+/-0.017 χ^2/NDF:3113814.0/10

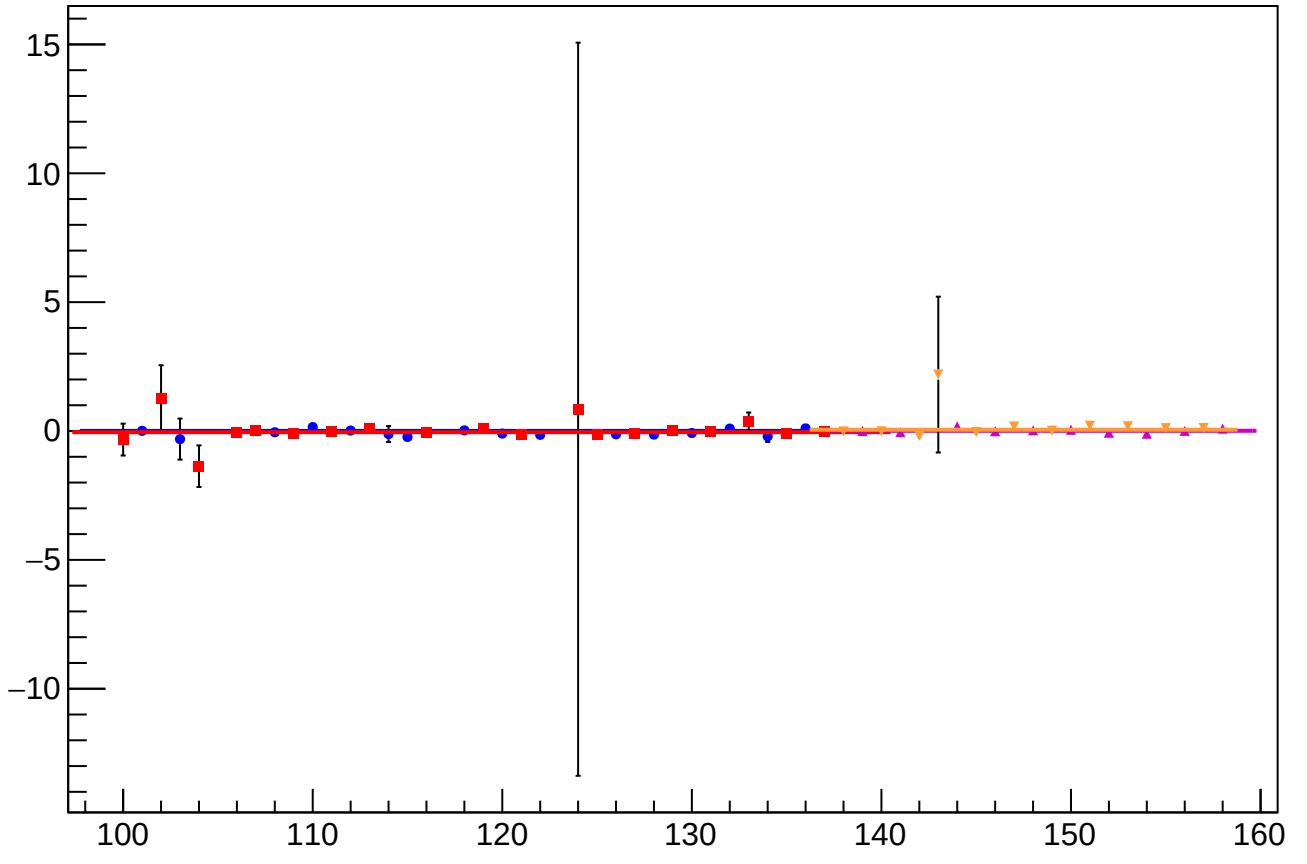
Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 64.374+/-0.017 χ^2/NDF:1324823.3/9

+ sign 62.230+/-0.013 χ^2/NDF: 5565514.3/26

All: 60.537+/-0.009 χ^2/NDF: 11080243.4/55

- sign 59.002+/-0.012 χ^2/NDF: 5481291.1/28



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.050+/-0.024 χ^2/NDF:17.0/10

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

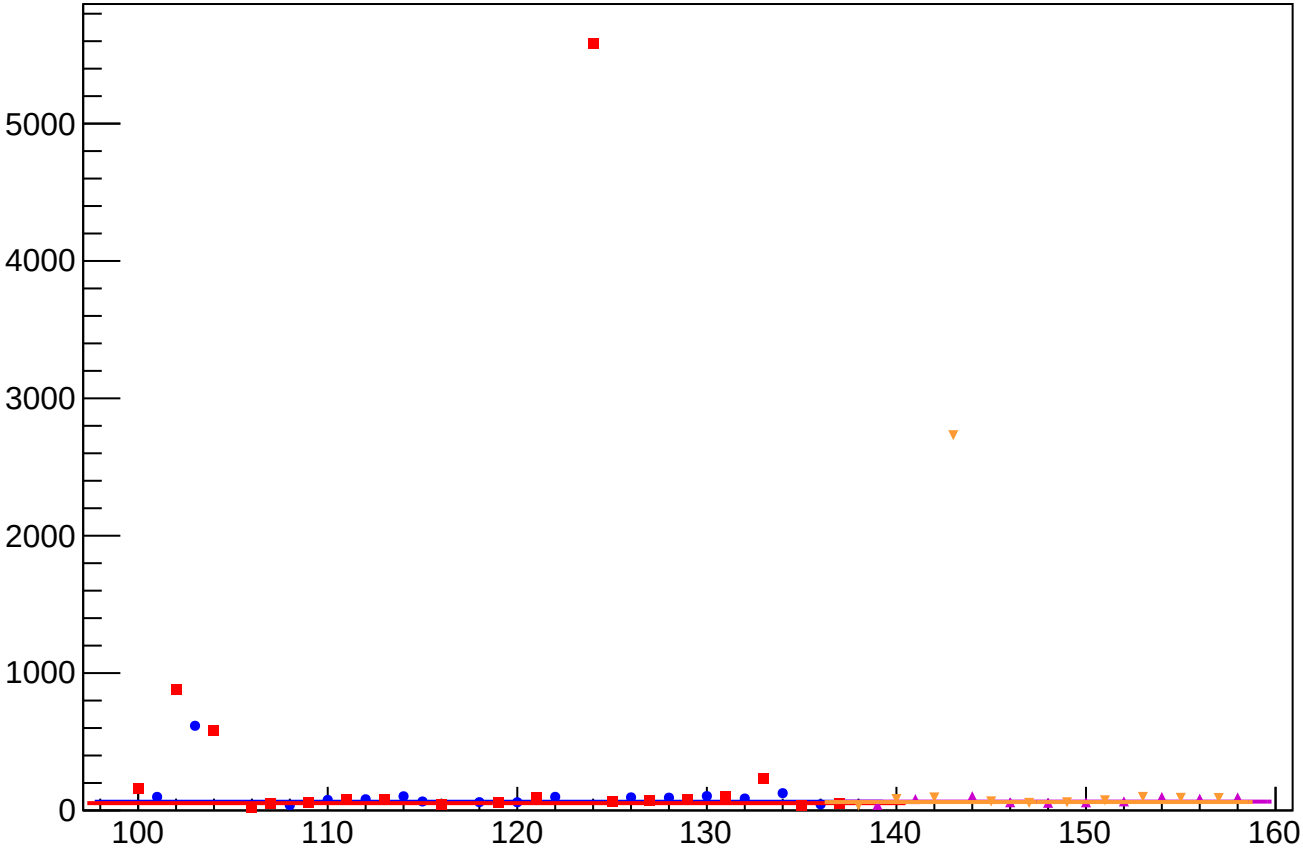
Left In: 0.009+/-0.024 χ^2/NDF:6.0/9

+ sign 0.030+/-0.018 χ^2/NDF: 31.9/26

All: 0.005+/-0.012 χ^2/NDF: 56.3/55

- sign -0.016+/-0.017 χ^2/NDF: 21.0/28

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 61.256+/-0.017 χ^2/NDF:3113814.0/10

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

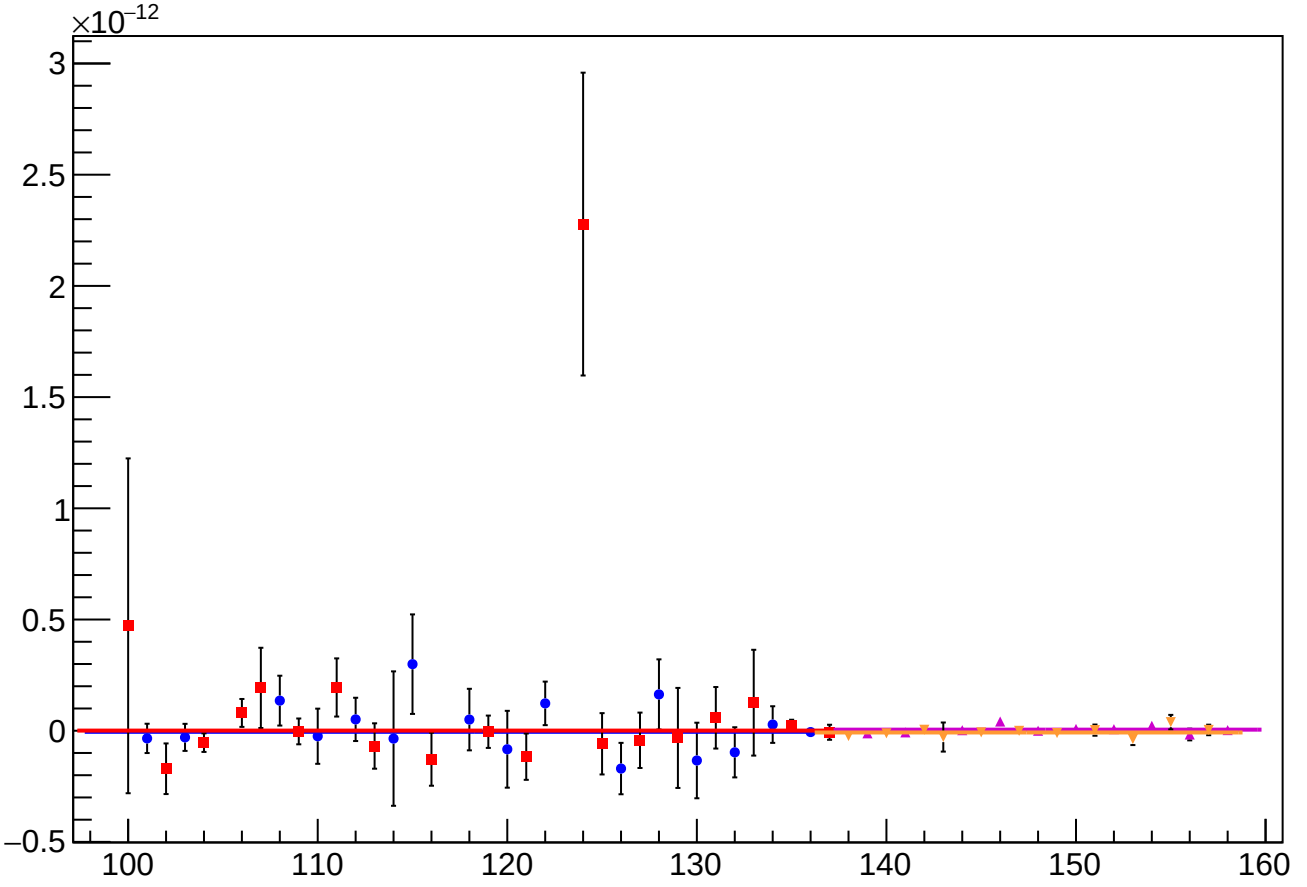
Left In: 64.374+/-0.017 χ^2/NDF:1324823.3/9

+ sign 62.230+/-0.013 χ^2/NDF: 5565514.3/26

All: 60.537+/-0.009 χ^2/NDF: 11080243.4/55

- sign 59.002+/-0.012 χ^2/NDF: 5481291.1/28

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.6/10

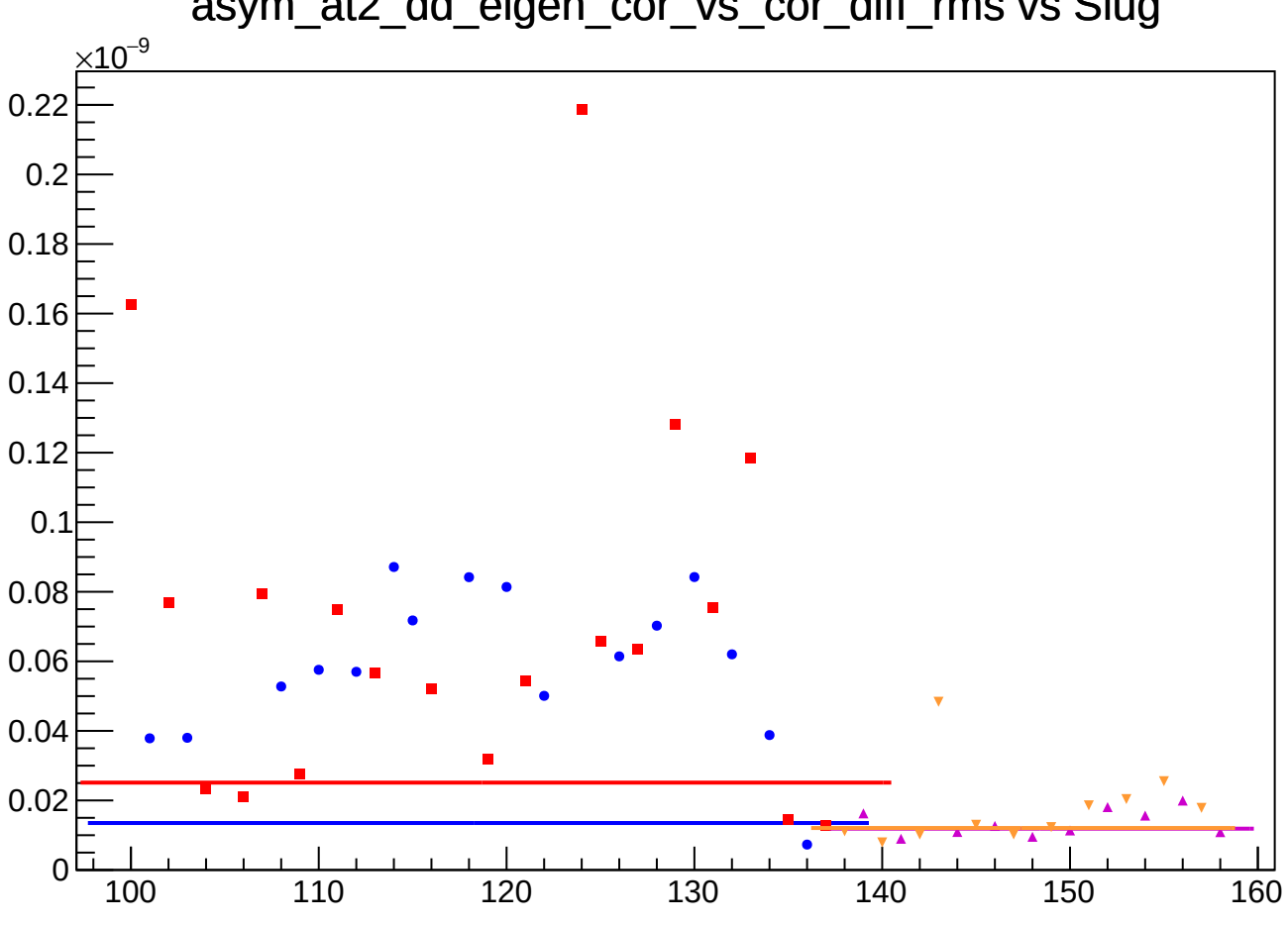
Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:8.3/9

+ sign -0.000+/-0.000 χ^2/NDF: 16.5/26

All: -0.000+/-0.000 χ^2/NDF: 52.9/55

- sign 0.000+/-0.000 χ^2/NDF: 33.5/28



Right In: 0.000+/-0.000 χ^2/NDF: 4993378.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1787969.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 3578472.9/18

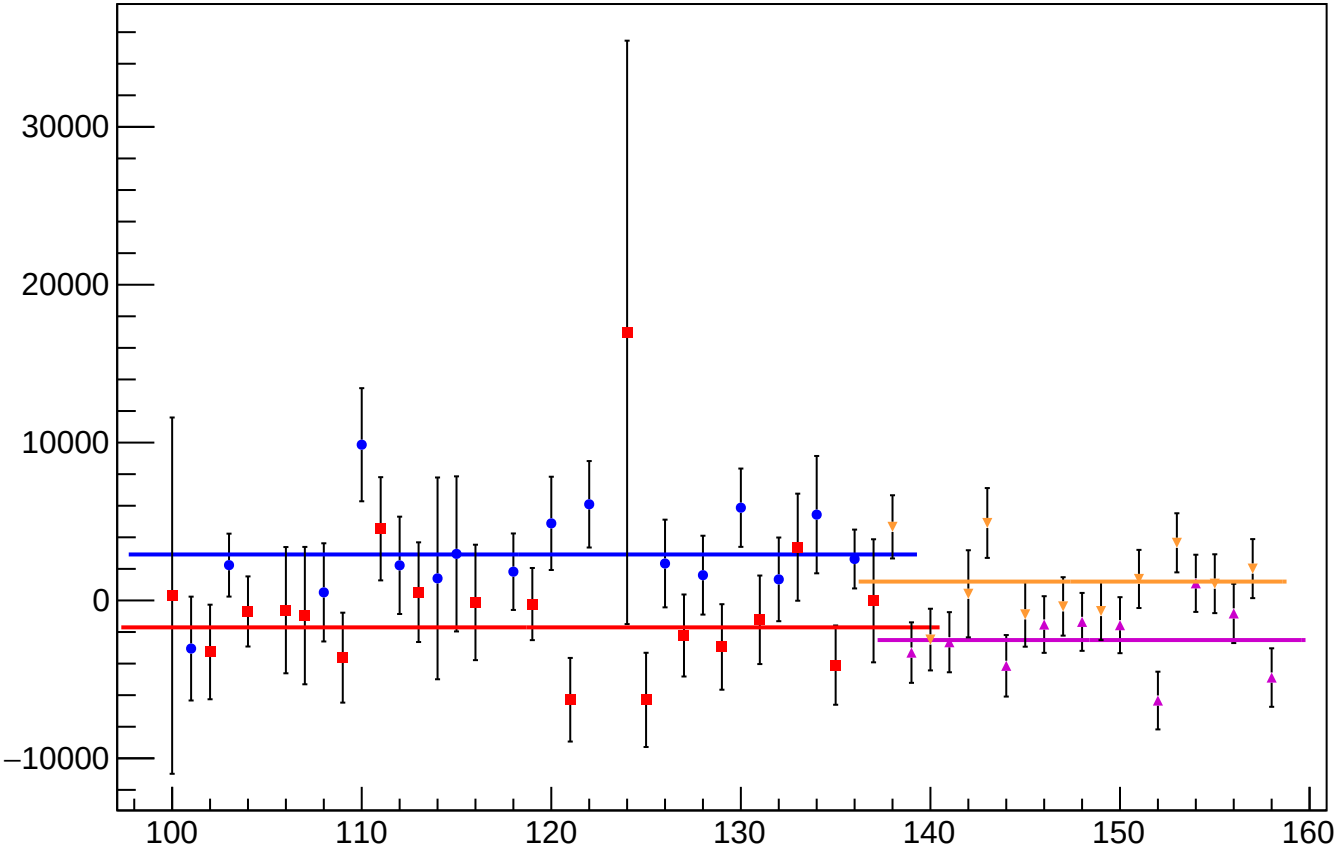
Left In: 0.000+/-0.000 χ^2/NDF:680650.7/9

+ sign 0.000+/-0.000 χ^2/NDF: 6812143.8/26

All: 0.000+/-0.000 χ^2/NDF: 12492038.0/55

- sign 0.000+/-0.000 χ^2/NDF: 5645809.2/28

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1195.204+/-594.788 χ^2/NDF:14.1/10

Right Out: -1704.904+/-706.846 χ^2/NDF: 15.8/18

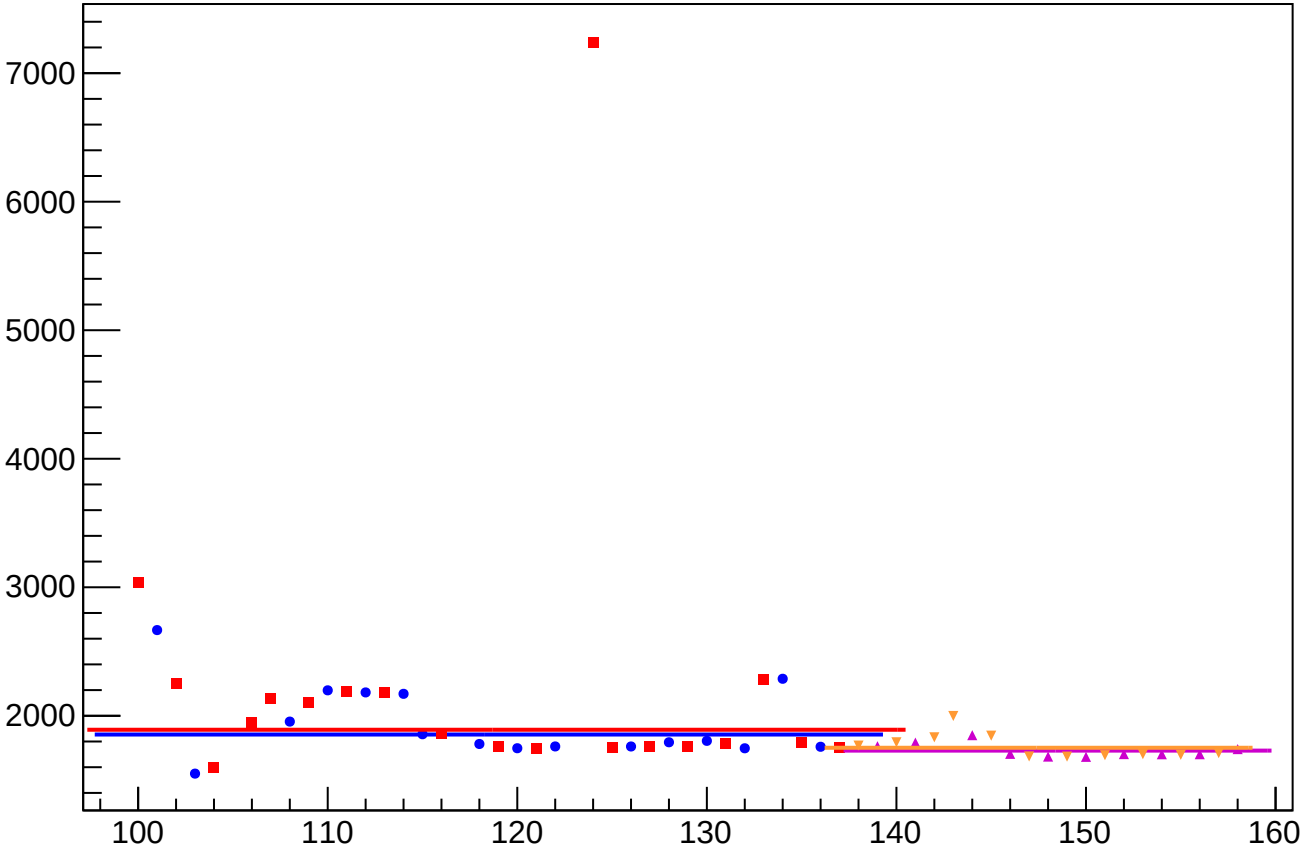
Left In: -2509.039+/-585.662 χ^2/NDF:12.6/9

+ sign 1921.357+/-451.911 χ^2/NDF: 30.1/26

All: -134.427+/-319.218 χ^2/NDF: 100.6/55

- sign -2181.709+/-450.976 χ^2/NDF: 29.2/28

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1751.261+/-0.421 χ^2/NDF:43640.0/10

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

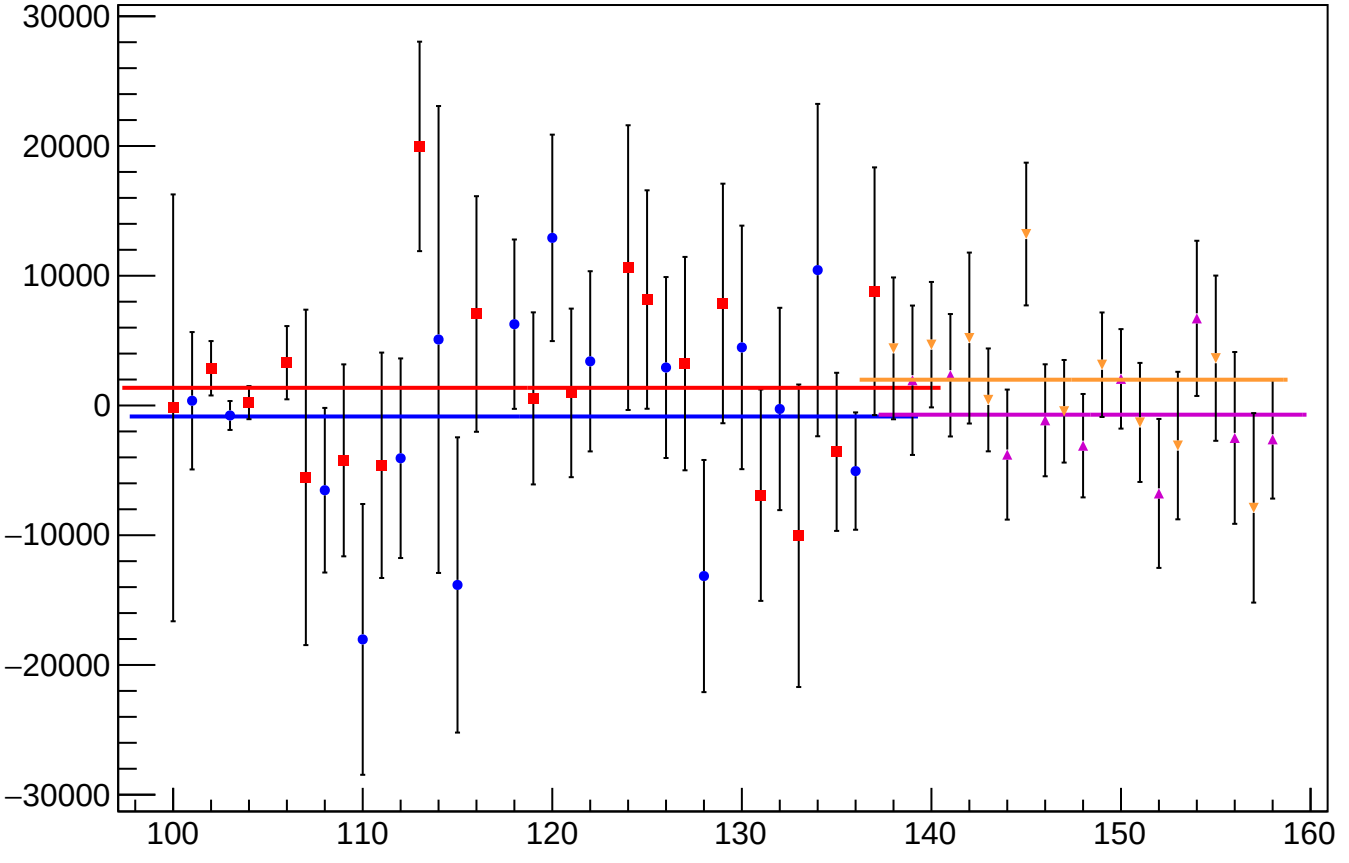
Left In: 1729.161+/-0.414 χ^2/NDF:15000.4/9

+ sign 1794.824+/-0.320 χ^2/NDF: 332341.9/26

All: 1795.119+/-0.226 χ^2/NDF: 774094.2/55

- sign 1795.412+/-0.319 χ^2/NDF: 441750.6/28

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: -847.977+/-962.920 χ^2/NDF: 13.9/15

Left Out: 1986.976+/-1501.754 χ^2/NDF:8.7/10

Right Out: 1361.523+/-915.925 χ^2/NDF: 14.0/18

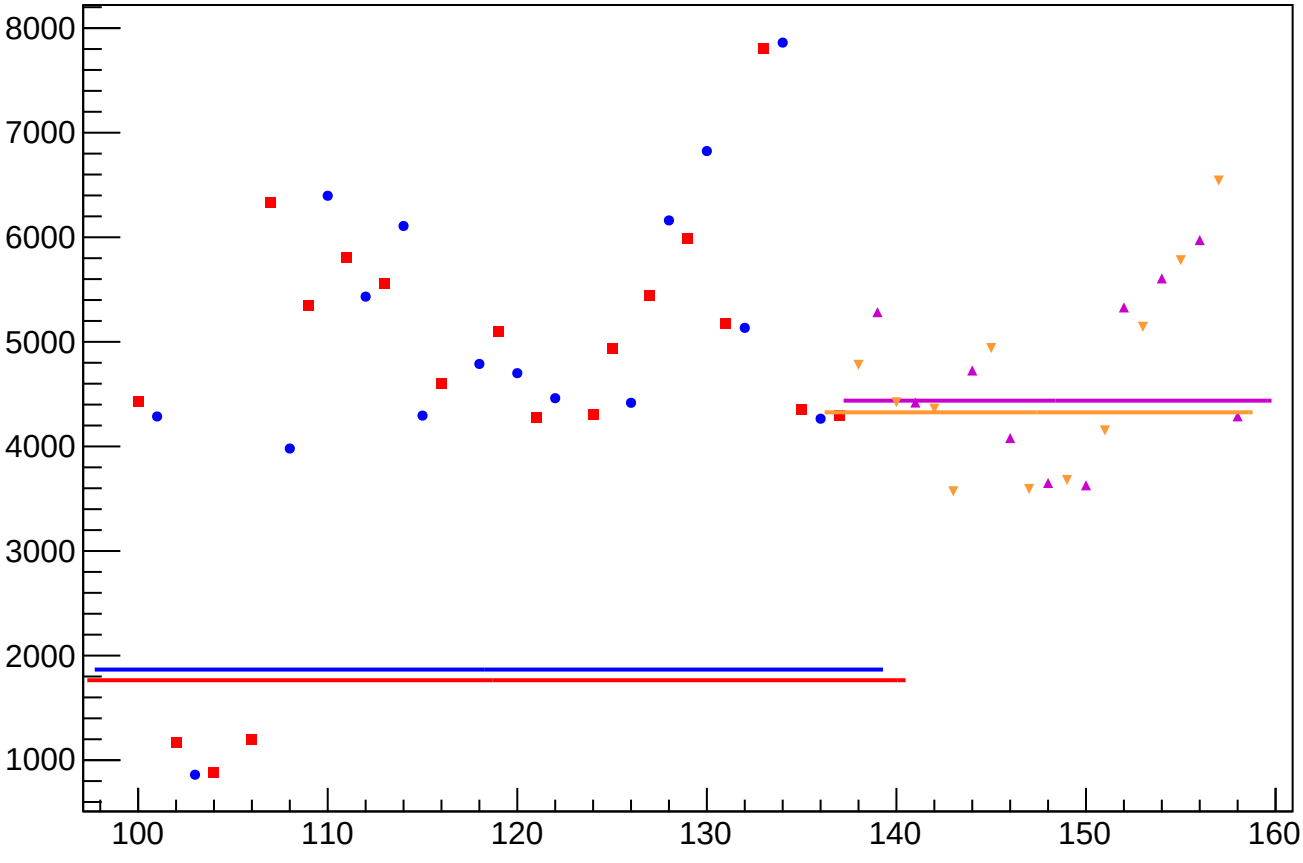
Left In: -709.796+/-1527.521 χ^2/NDF:4.8/9

+ sign -22.014+/-810.599 χ^2/NDF: 25.1/26

All: 408.990+/-564.109 χ^2/NDF: 45.8/55

- sign 813.749+/-785.532 χ^2/NDF: 20.2/28

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4326.188+/-1.062 χ^2/NDF:565399.1/10

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

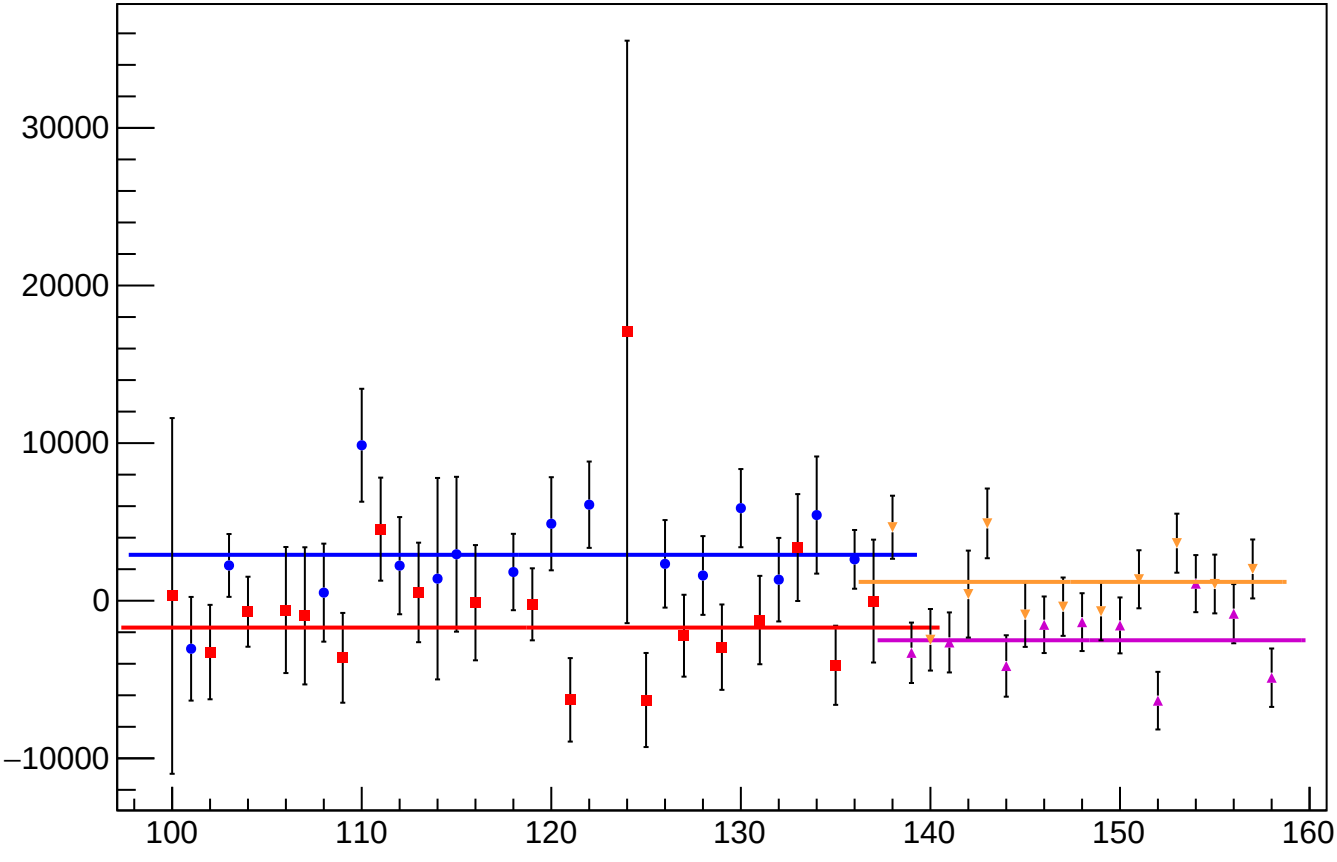
Left In: 4437.801+/-1.080 χ^2/NDF:465127.0/9

+ sign 2583.062+/-0.573 χ^2/NDF: 11217441.1/26

All: 2525.432+/-0.399 χ^2/NDF: 22643393.5/5

- sign 2471.311+/-0.555 χ^2/NDF: 11406349.4/28

cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1195.041+/-594.788 χ^2/NDF:14.1/10

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

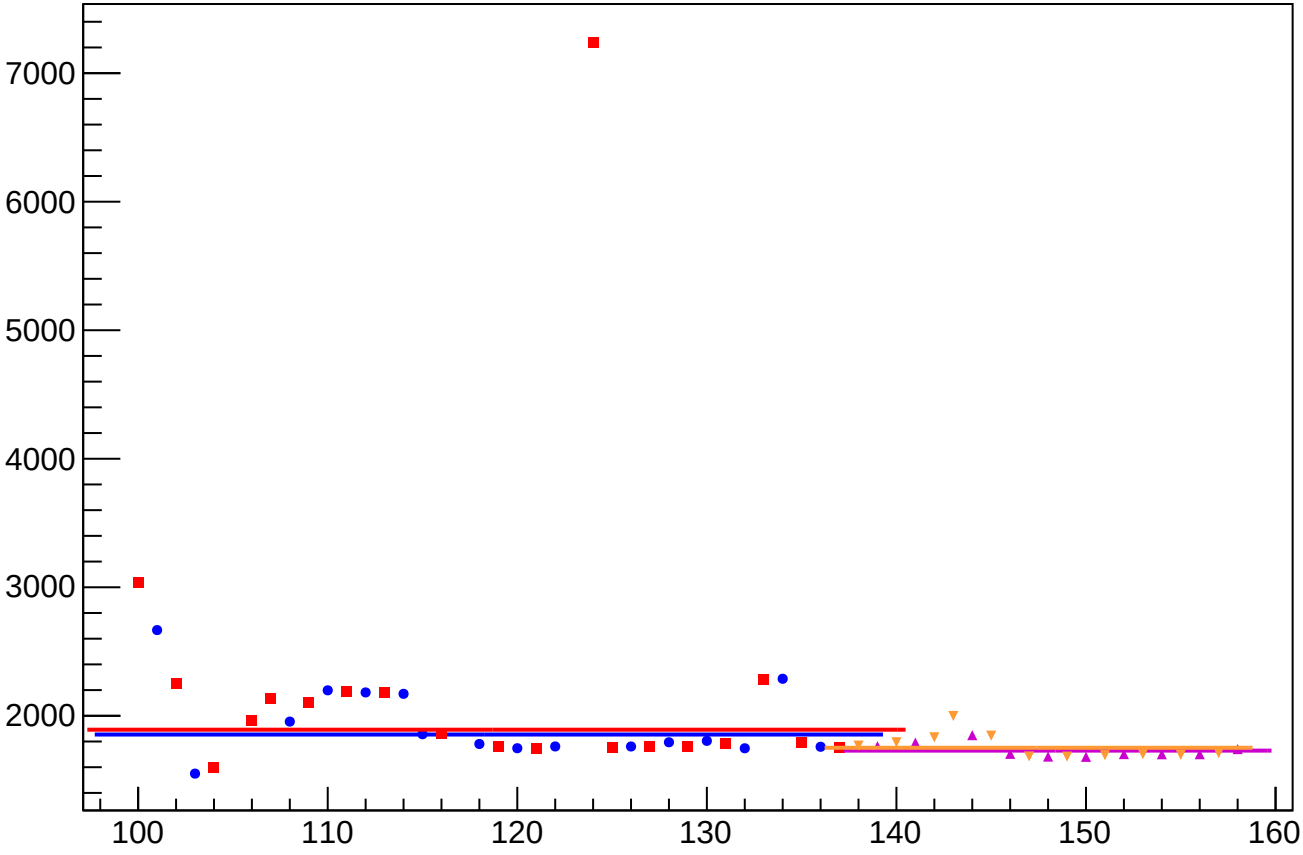
Left In: -2509.191+/-585.662 χ^2/NDF:12.6/9

+ sign 1921.306+/-451.911 χ^2/NDF: 30.1/26

All: -134.215+/-319.218 χ^2/NDF: 100.6/55

- sign -2181.238+/-450.976 χ^2/NDF: 29.2/28

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1751.261+/-0.421 χ^2/NDF:43640.0/10

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

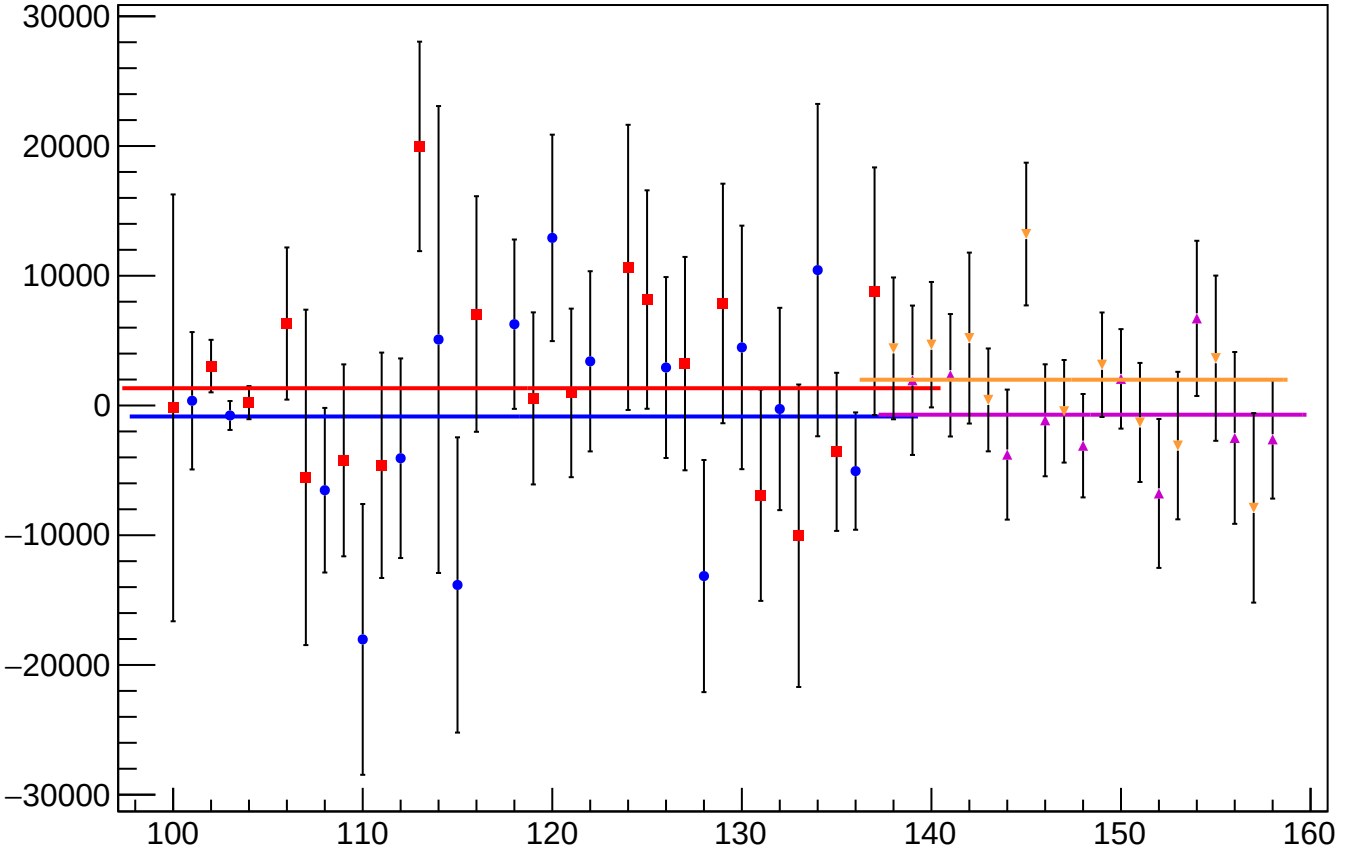
Left In: 1729.161+/-0.414 χ^2/NDF:15000.4/9

+ sign 1794.824+/-0.320 χ^2/NDF: 332341.8/26

All: 1795.204+/-0.226 χ^2/NDF: 774674.5/55

- sign 1795.581+/-0.319 χ^2/NDF: 442329.8/28

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 1986.844+/-1501.752 χ^2/NDF:8.7/10

Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

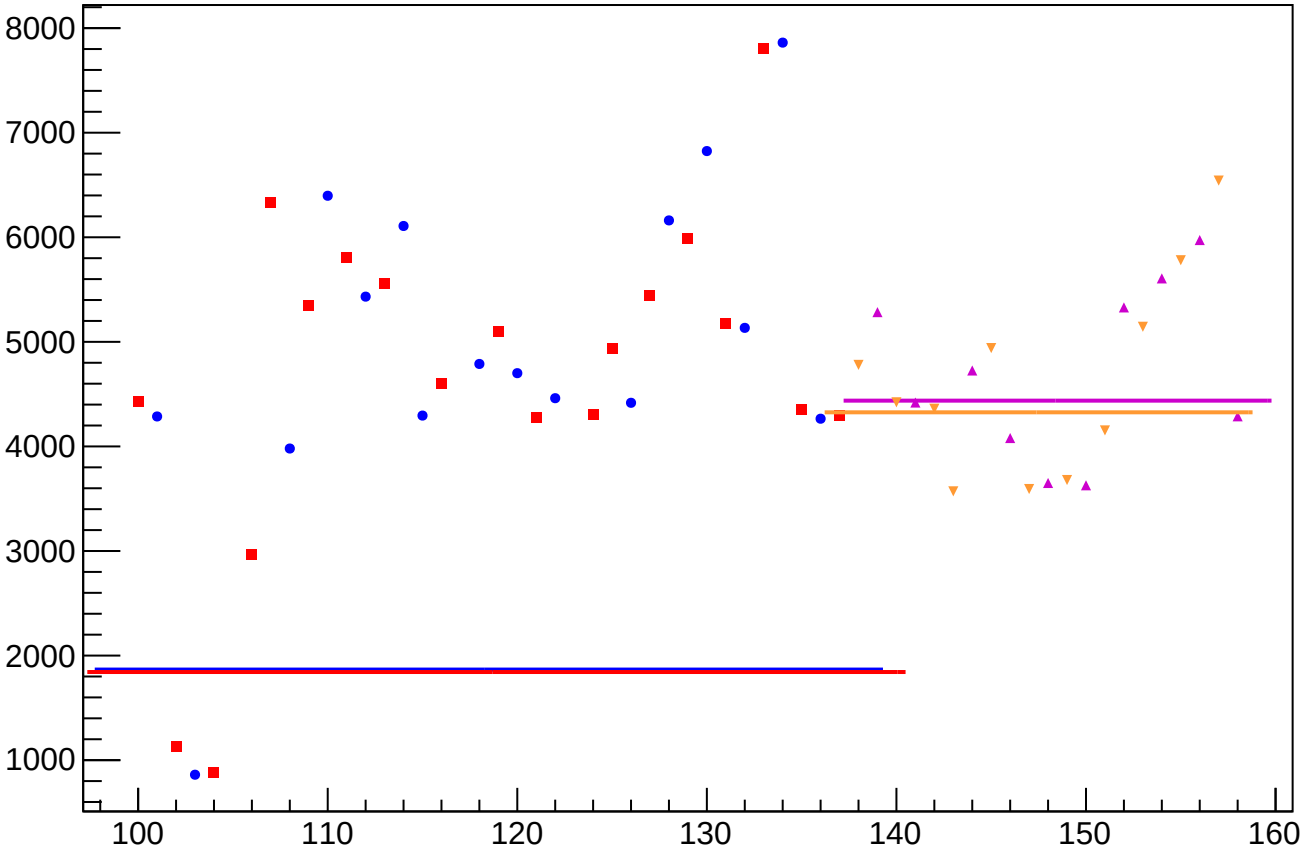
Left In: -709.929+/-1527.520 χ^2/NDF:4.8/9

\+ sign -21.780+/-810.567 χ^2/NDF: 25.1/26

All: 373.341+/-571.388 χ^2/NDF: 46.1/55

\- sign 763.621+/-805.586 χ^2/NDF: 20.5/28

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4326.182+/-1.062 χ^2/NDF:565410.8/10

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

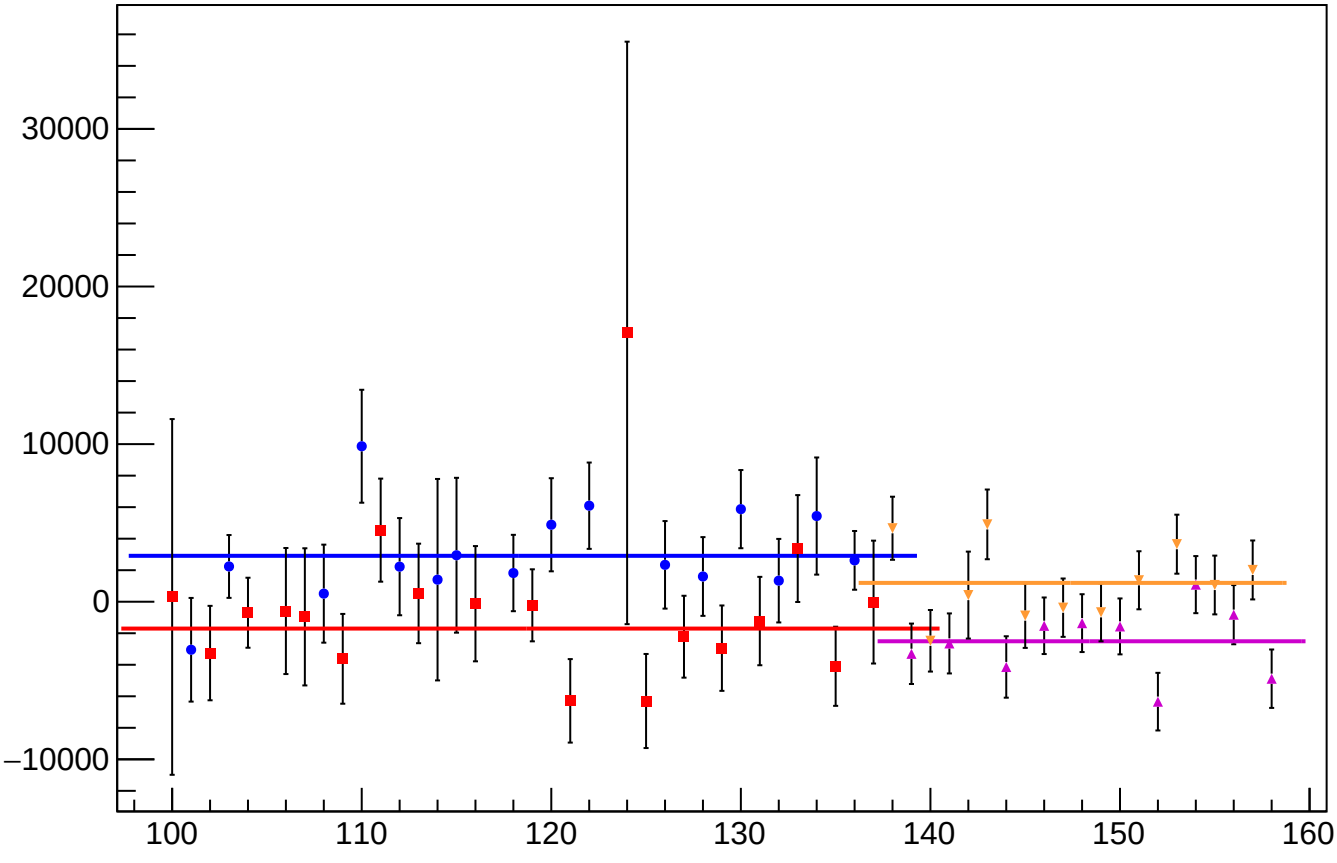
Left In: 4437.799+/-1.080 χ^2/NDF:465135.6/9

+ sign 2582.897+/-0.573 χ^2/NDF: 11218461.6/26

All: 2573.697+/-0.404 χ^2/NDF: 22308966.5/5

- sign 2564.610+/-0.570 χ^2/NDF: 11089992.8/28

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1195.041+/-594.788 χ^2/NDF:14.1/10

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

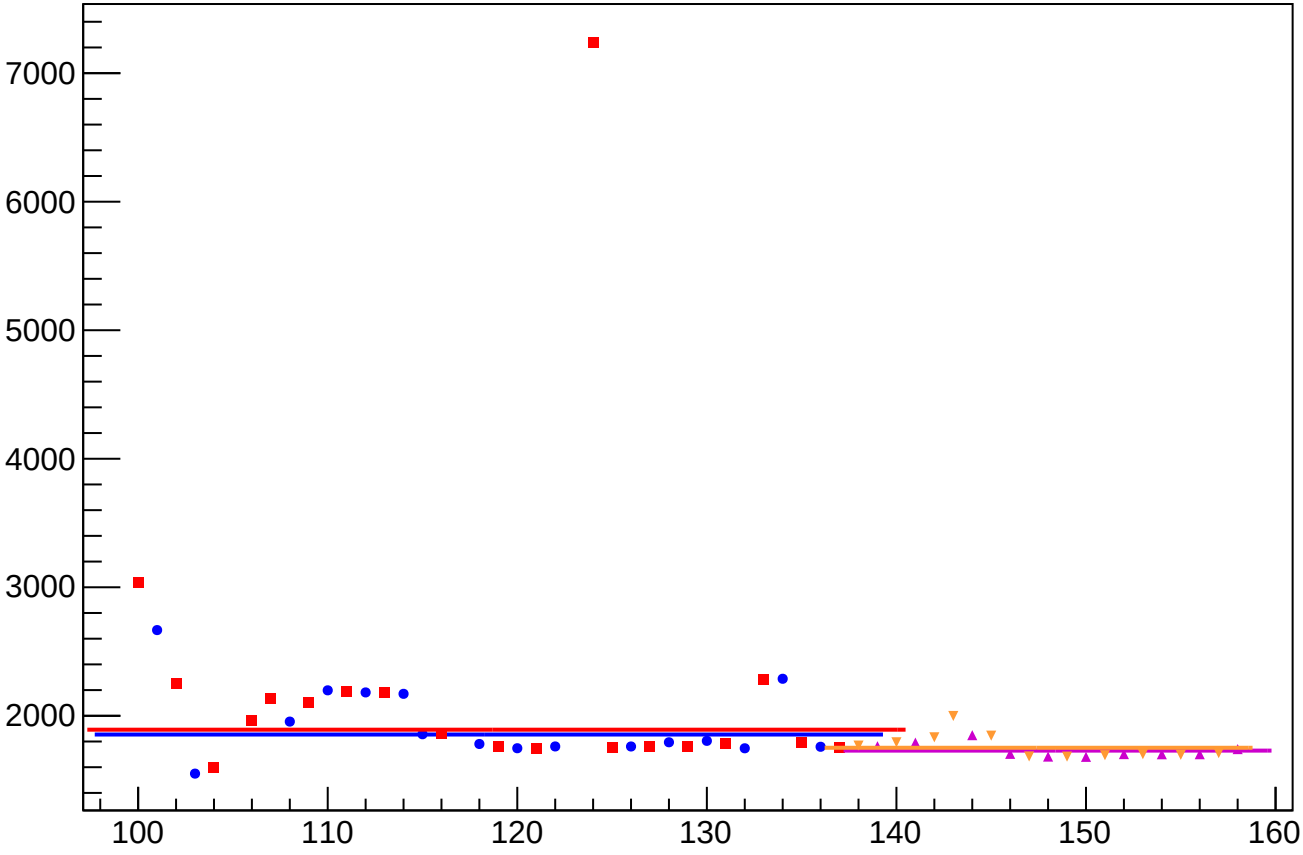
Left In: -2509.191+/-585.662 χ^2/NDF:12.6/9

+ sign 1921.306+/-451.911 χ^2/NDF: 30.1/26

All: -134.215+/-319.218 χ^2/NDF: 100.6/55

- sign -2181.238+/-450.976 χ^2/NDF: 29.2/28

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1751.261+/-0.421 χ^2/NDF:43640.0/10

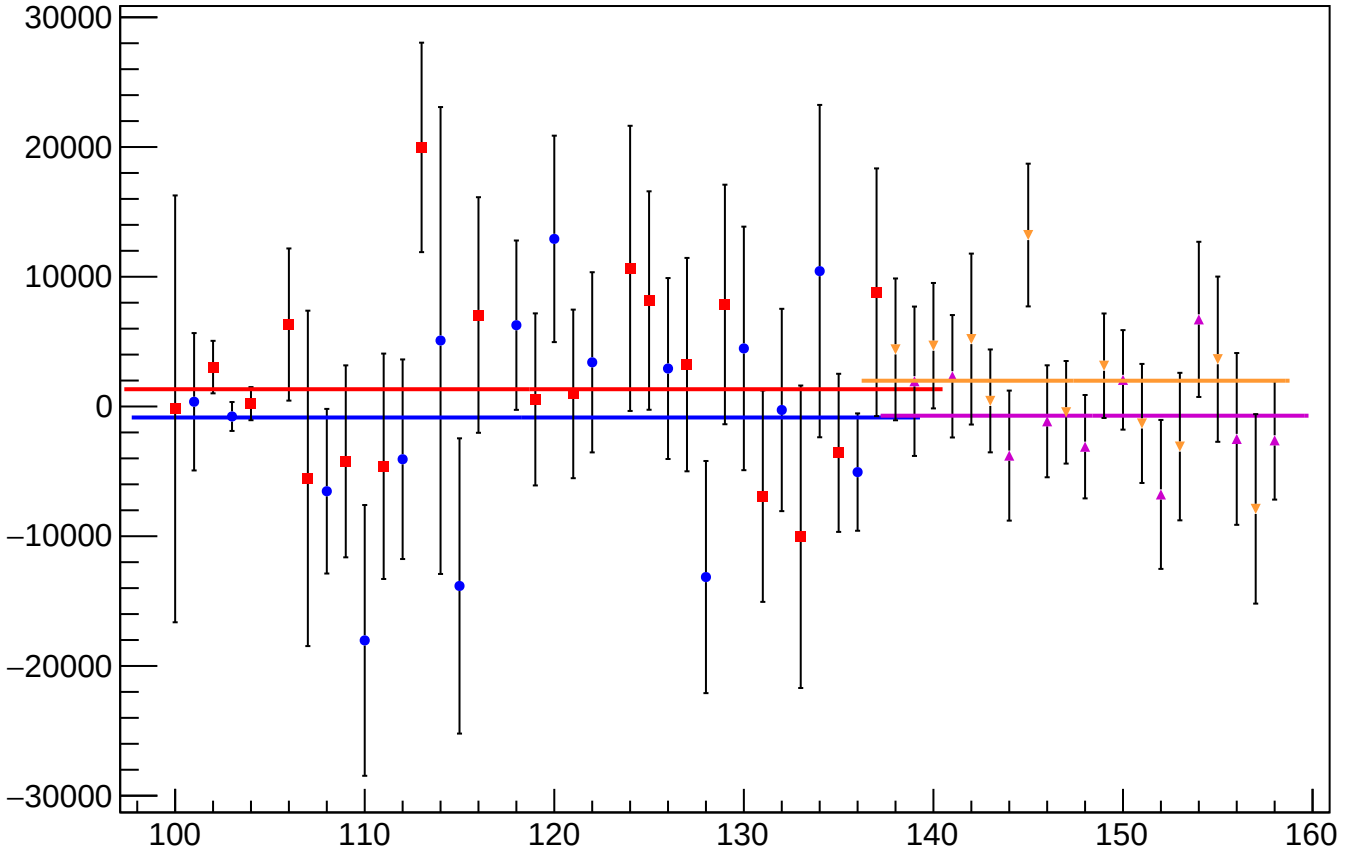
Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1729.161+/-0.414 χ^2/NDF:15000.4/9

+ sign 1794.824+/-0.320 χ^2/NDF: 332341.8/26

All: 1795.204+/-0.226 χ^2/NDF: 774674.5/55

- sign 1795.581+/-0.319 χ^2/NDF: 442329.8/28



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 1986.844+/-1501.752 χ^2/NDF:8.7/10

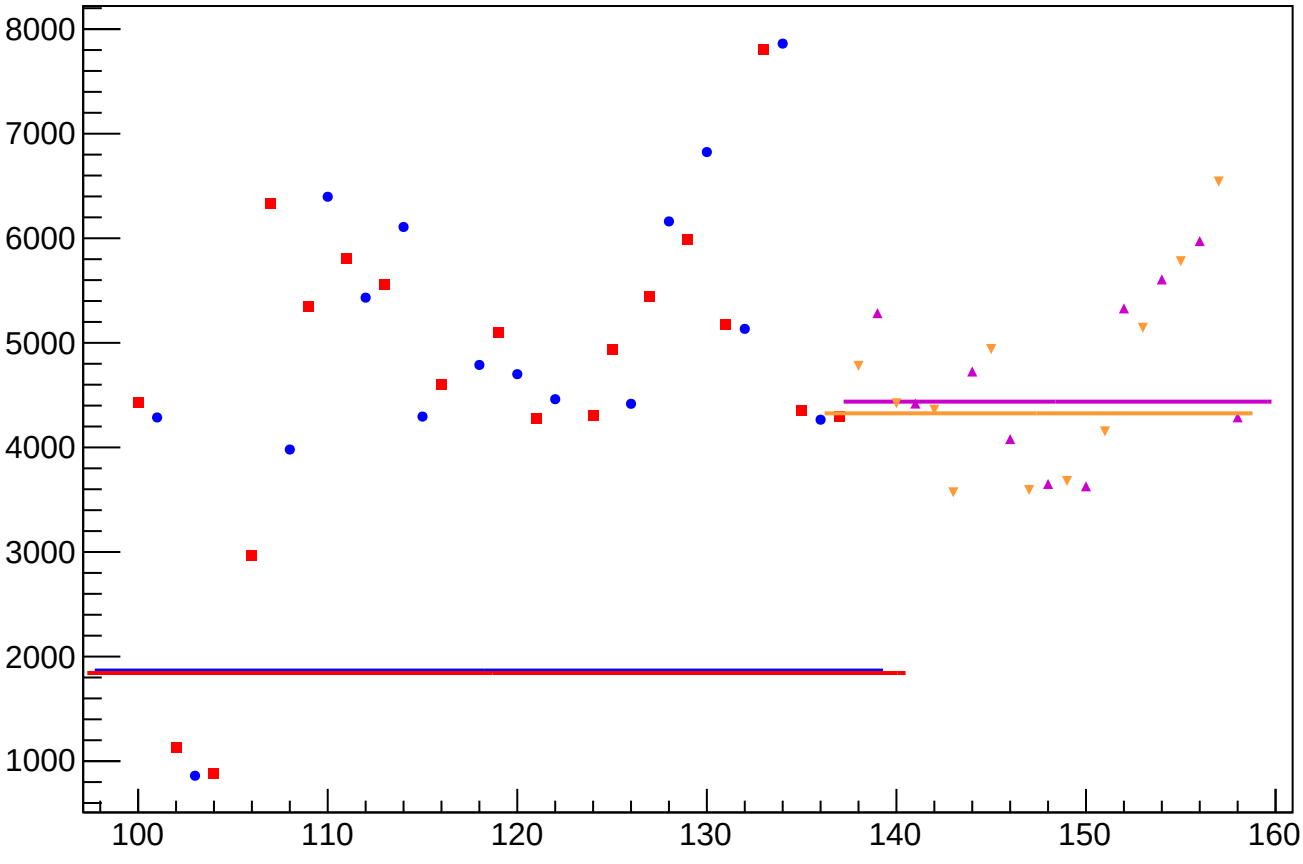
Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: -709.929+/-1527.520 χ^2/NDF:4.8/9

\+ sign -21.780+/-810.567 χ^2/NDF: 25.1/26

All: 373.341+/-571.388 χ^2/NDF: 46.1/55

\- sign 763.621+/-805.586 χ^2/NDF: 20.5/28



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4326.182+/-1.062 χ^2/NDF:565410.8/10

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

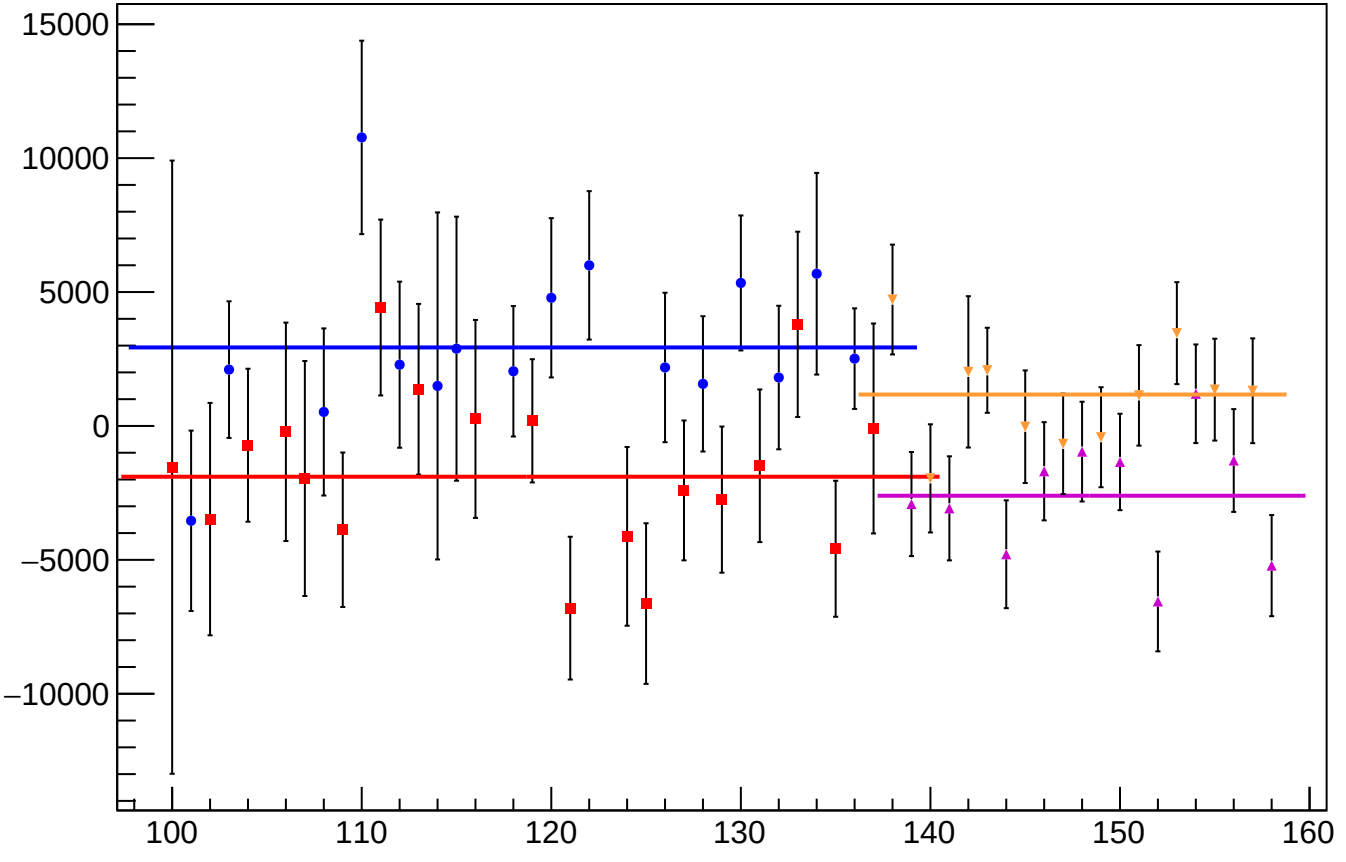
Left In: 4437.799+/-1.080 χ^2/NDF:465135.6/9

+ sign 2582.897+/-0.573 χ^2/NDF: 11218461.6/26

All: 2573.697+/-0.404 χ^2/NDF: 22308966.5/5

- sign 2564.610+/-0.570 χ^2/NDF: 11089992.8/28

dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1173.087+/-587.261 χ^2/NDF:9.3/10

Right Out: -1895.503+/-721.954 χ^2/NDF: 17.4/18

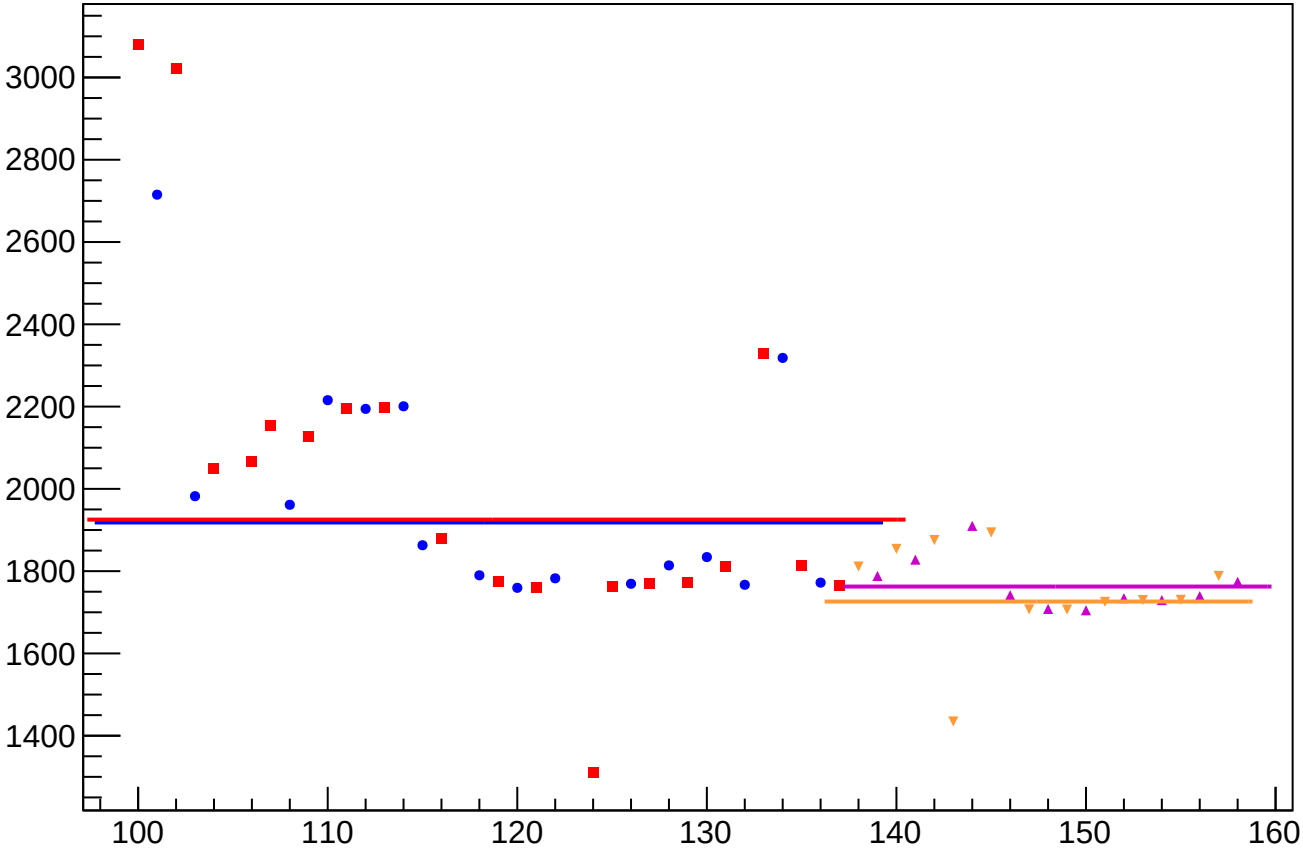
Left In: -2605.577+/-597.069 χ^2/NDF:13.9/9

+ sign 1877.633+/-454.653 χ^2/NDF: 25.9/26

All: -194.760+/-323.399 χ^2/NDF: 99.8/55

- sign -2317.172+/-460.107 χ^2/NDF: 31.9/28

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1726.127+/-0.415 χ^2/NDF:99734.8/10

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

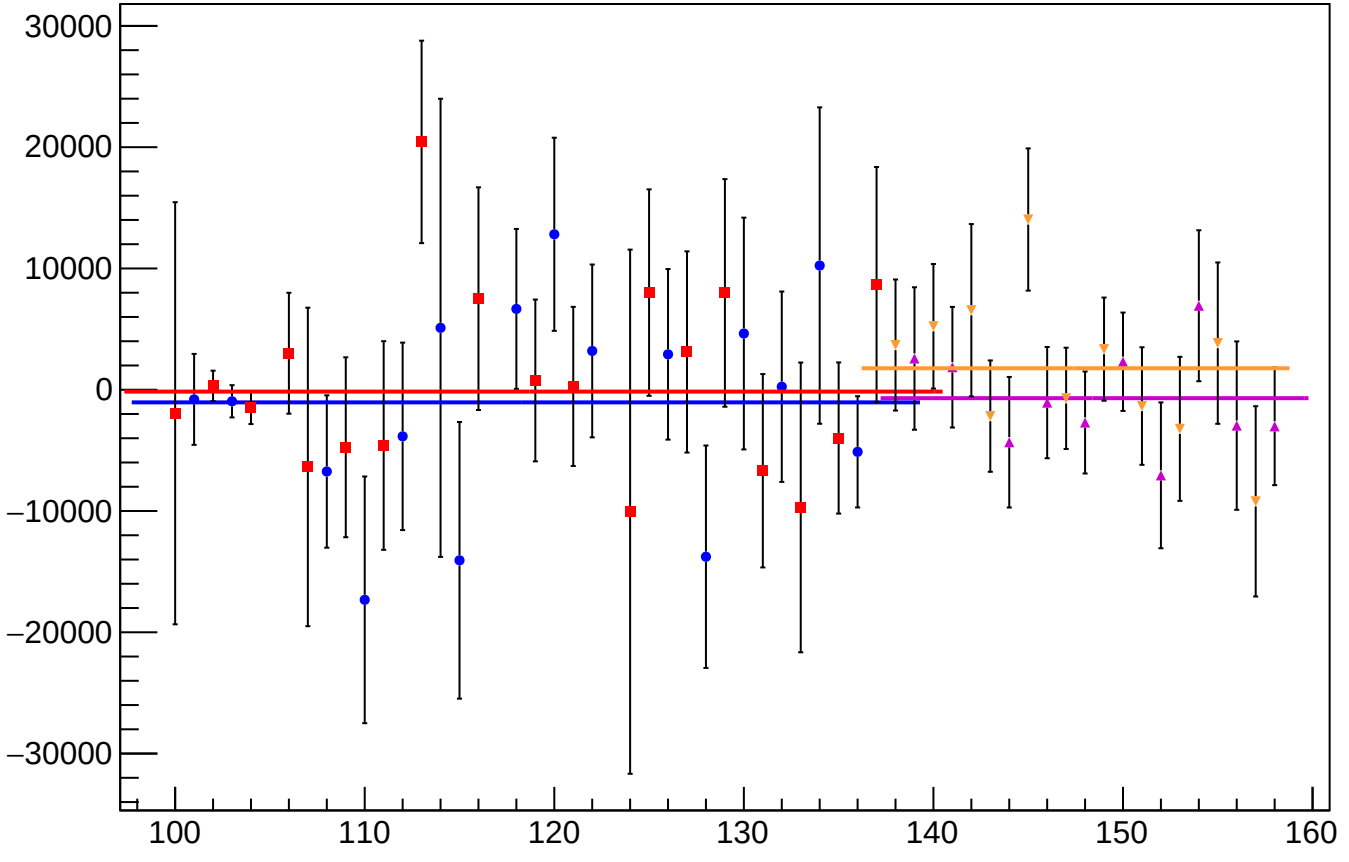
Left In: 1762.575+/-0.422 χ^2/NDF:18843.9/9

+ sign 1803.144+/-0.321 χ^2/NDF: 401188.8/26

All: 1815.782+/-0.229 χ^2/NDF: 822621.2/55

- sign 1828.716+/-0.325 χ^2/NDF: 418305.5/28

asym_atl1r2_avg_dit_correction_mean vs Slug



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 1770.642+/-1599.608 χ^2/NDF:9.8/10

Right Out: -153.619+/-835.656 χ^2/NDF: 13.7/18

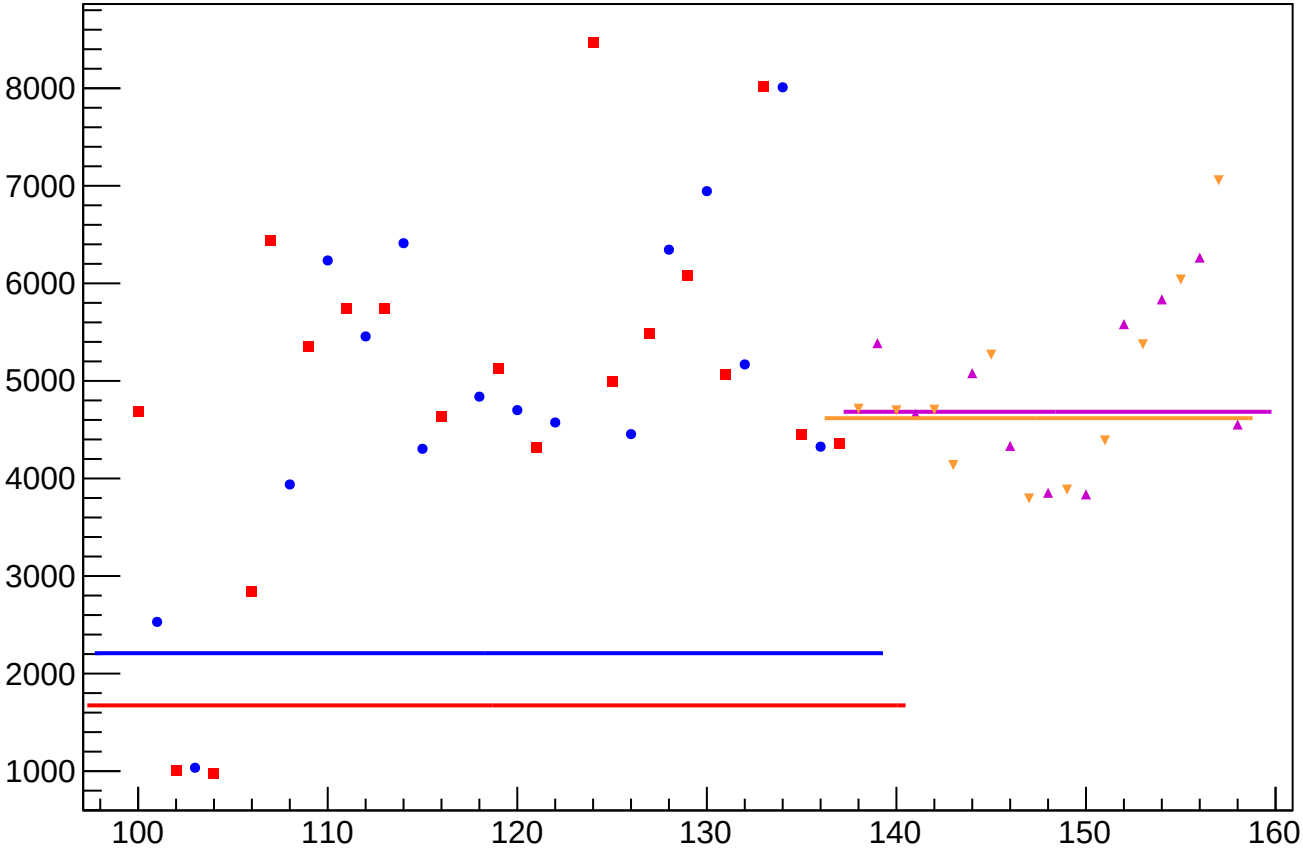
Left In: -696.338+/-1610.681 χ^2/NDF:4.8/9

+ sign -169.769+/-890.751 χ^2/NDF: 25.8/26

All: -228.202+/-570.006 χ^2/NDF: 44.4/55

- sign -268.723+/-741.765 χ^2/NDF: 18.6/28

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4618.022+/-1.131 χ^2/NDF:506260.6/10

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

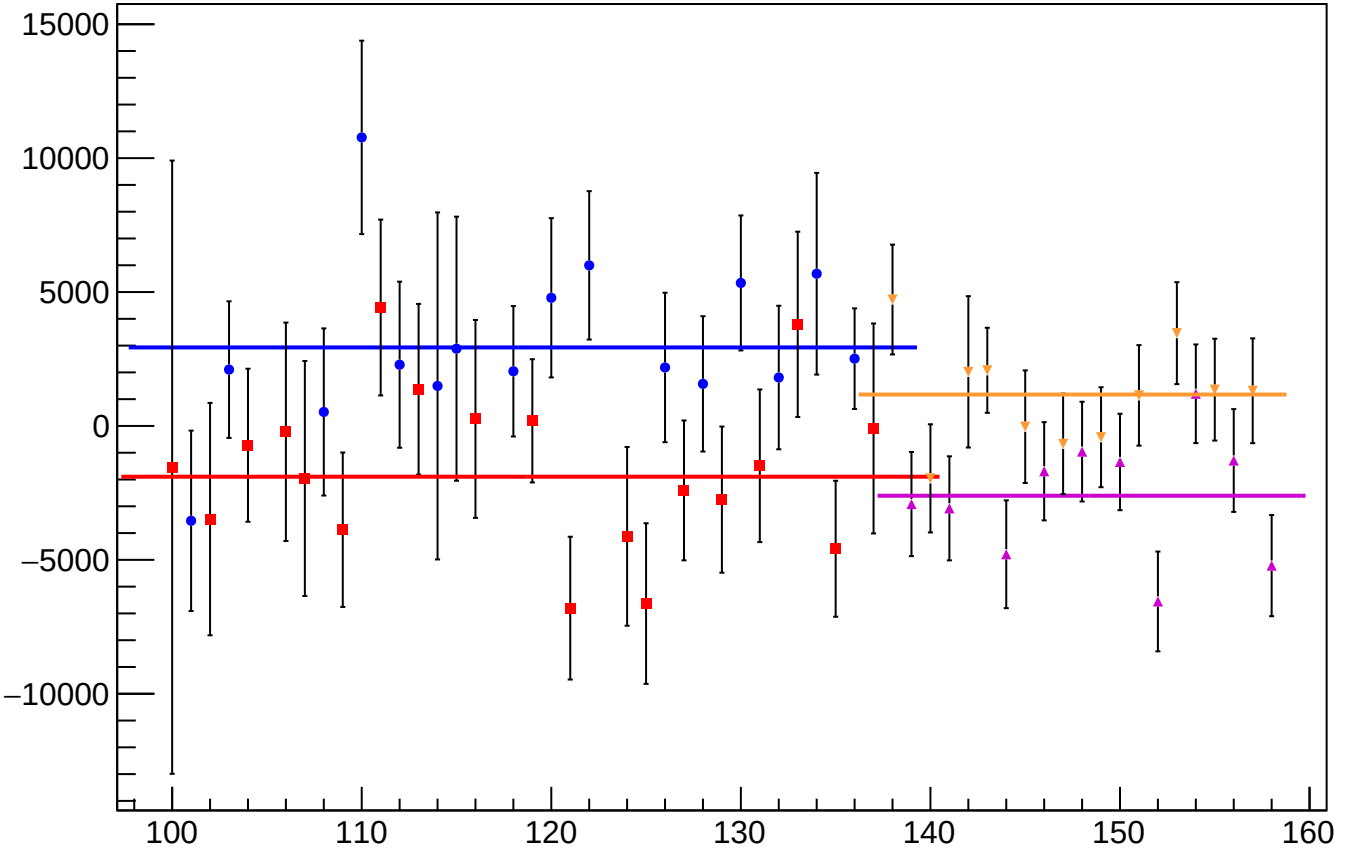
Left In: 4683.553+/-1.139 χ^2/NDF:434464.5/9

+ sign 2955.948+/-0.630 χ^2/NDF: 9135023.3/26

All: 2575.937+/-0.403 χ^2/NDF: 22540197.2/5

- sign 2312.415+/-0.525 χ^2/NDF: 12788740.9/28

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.693+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1173.083+/-587.262 χ^2/NDF:9.3/10

Right Out: -1895.508+/-721.953 χ^2/NDF: 17.4/18

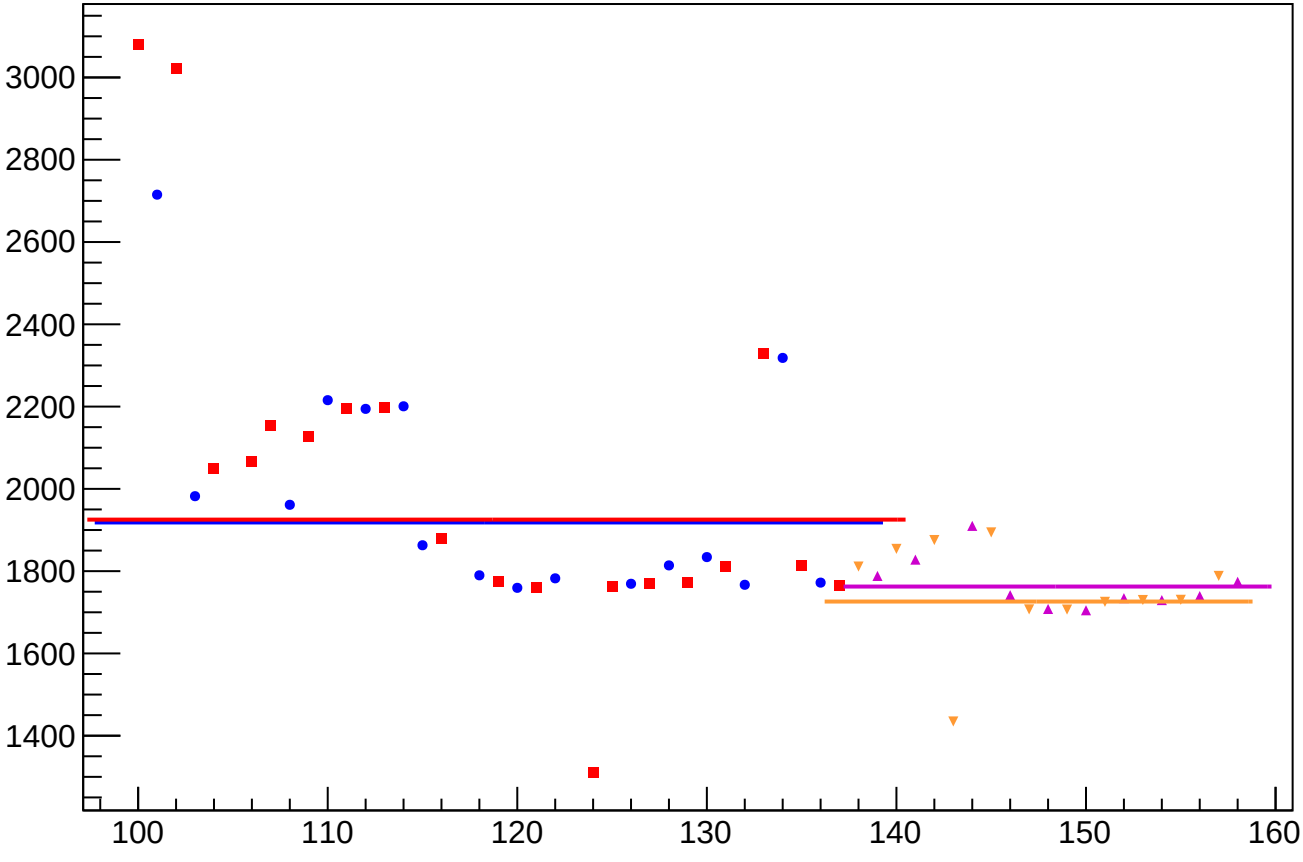
Left In: -2605.576+/-597.069 χ^2/NDF:13.9/9

+ sign 1877.632+/-454.653 χ^2/NDF: 25.9/26

All: -194.762+/-323.399 χ^2/NDF: 99.8/55

- sign -2317.173+/-460.107 χ^2/NDF: 31.9/28

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1726.128+/-0.415 χ^2/NDF:99733.9/10

Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

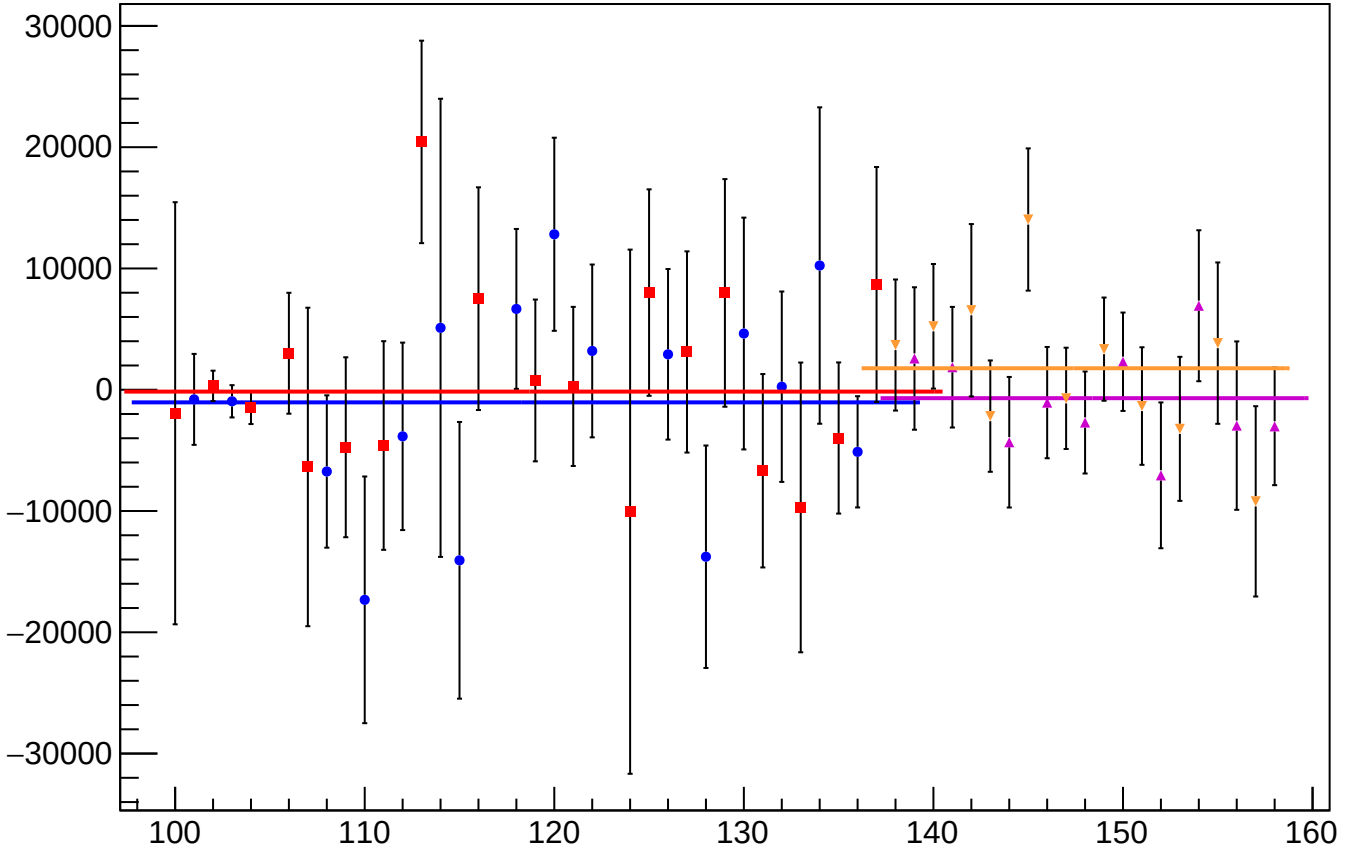
Left In: 1762.576+/-0.422 χ^2/NDF:18843.9/9

+ sign 1803.144+/-0.321 χ^2/NDF: 401186.5/26

All: 1815.782+/-0.229 χ^2/NDF: 822616.9/55

- sign 1828.716+/-0.325 χ^2/NDF: 418303.6/28

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 1770.639+/-1599.610 χ^2/NDF:9.8/10

Right Out: -153.614+/-835.655 χ^2/NDF: 13.7/18

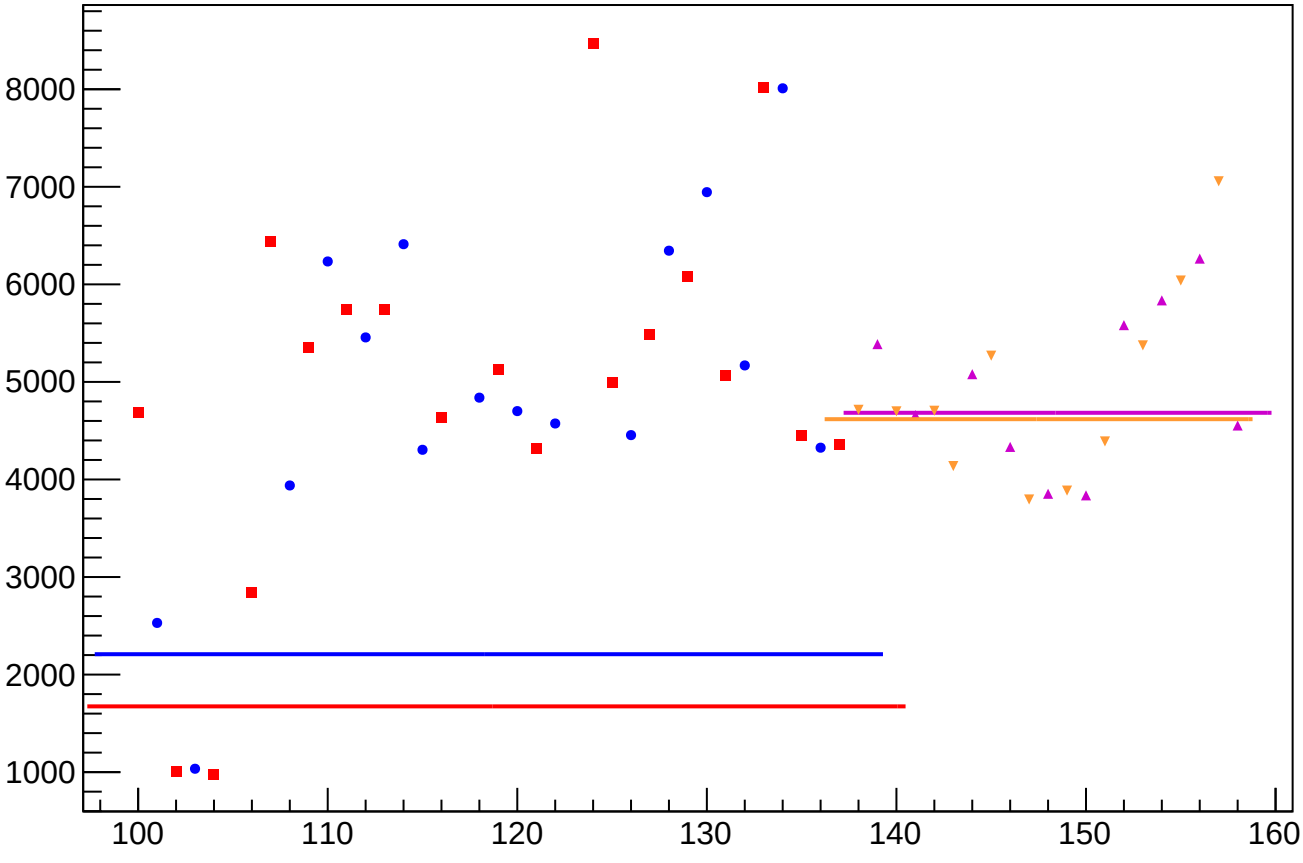
Left In: -696.336+/-1610.683 χ^2/NDF:4.8/9

+ sign -169.771+/-890.750 χ^2/NDF: 25.8/26

All: -228.200+/-570.005 χ^2/NDF: 44.4/55

- sign -268.718+/-741.765 χ^2/NDF: 18.6/28

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4618.028+/-1.131 χ^2/NDF:506258.5/10

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

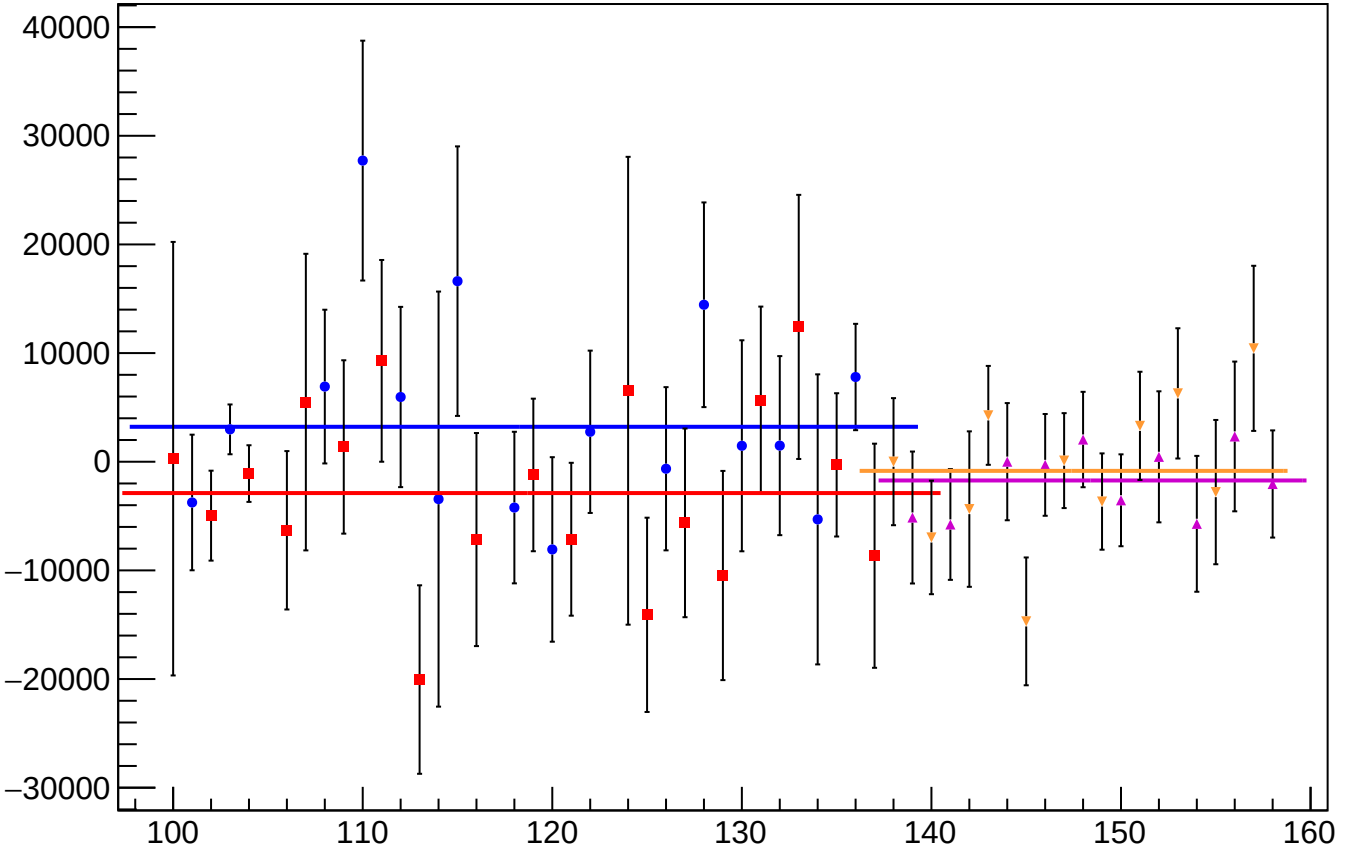
Left In: 4683.560+/-1.139 χ^2/NDF:434461.9/9

+ sign 2955.948+/-0.630 χ^2/NDF: 9135028.7/26

All: 2575.936+/-0.403 χ^2/NDF: 22540207.4/5

- sign 2312.414+/-0.525 χ^2/NDF: 12788745.3/28

asym_atl1r2_avg_mean vs Slug



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: -840.738+/-1634.980 χ^2/NDF:13.3/10

Right Out: -2883.411+/-1552.120 χ^2/NDF: 13.4/18

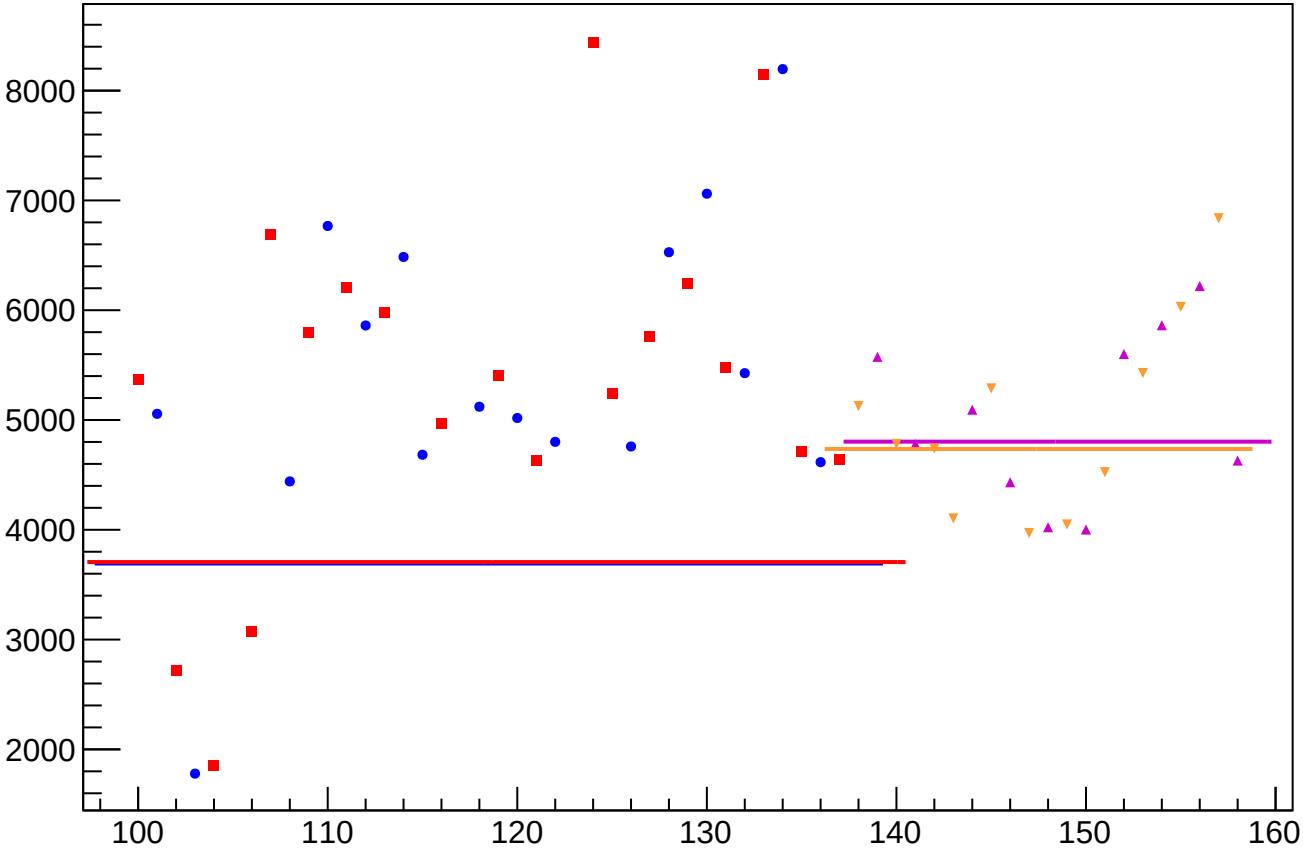
Left In: -1724.303+/-1647.093 χ^2/NDF:3.0/9

+ sign 1309.687+/-1120.734 χ^2/NDF: 30.4/26

All: -499.905+/-795.594 χ^2/NDF: 52.2/55

- sign -2338.236+/-1129.598 χ^2/NDF: 16.6/28

asym_atl1r2_avg_rms vs Slug



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 4736.050+/-1.156 χ^2/NDF:434031.4/10

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

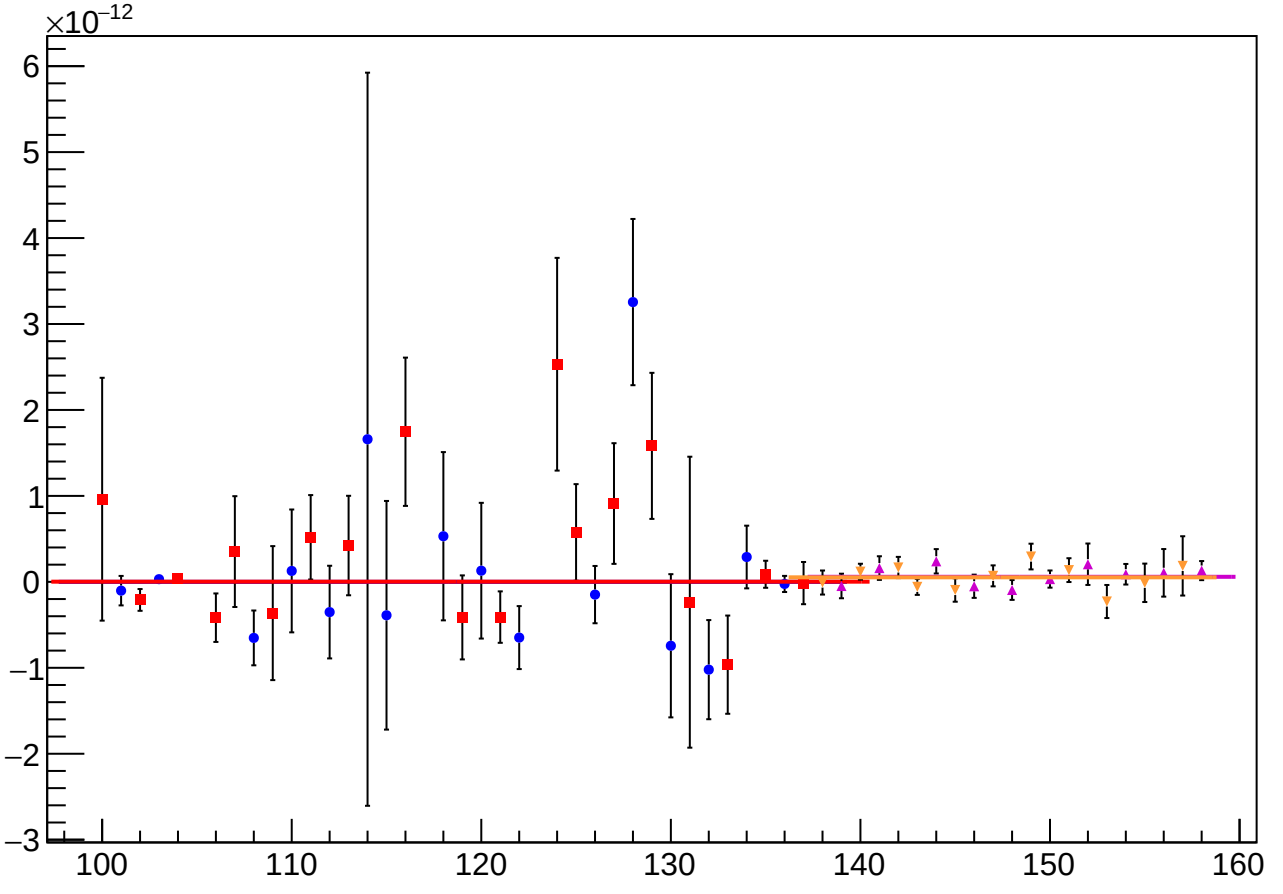
Left In: 4802.673+/-1.165 χ^2/NDF:365023.8/9

+ sign 4183.003+/-0.792 χ^2/NDF: 3751357.5/26

All: 4199.646+/-0.561 χ^2/NDF: 7275771.0/55

- sign 4216.374+/-0.794 χ^2/NDF: 3523529.2/28

asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 25.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.5/10

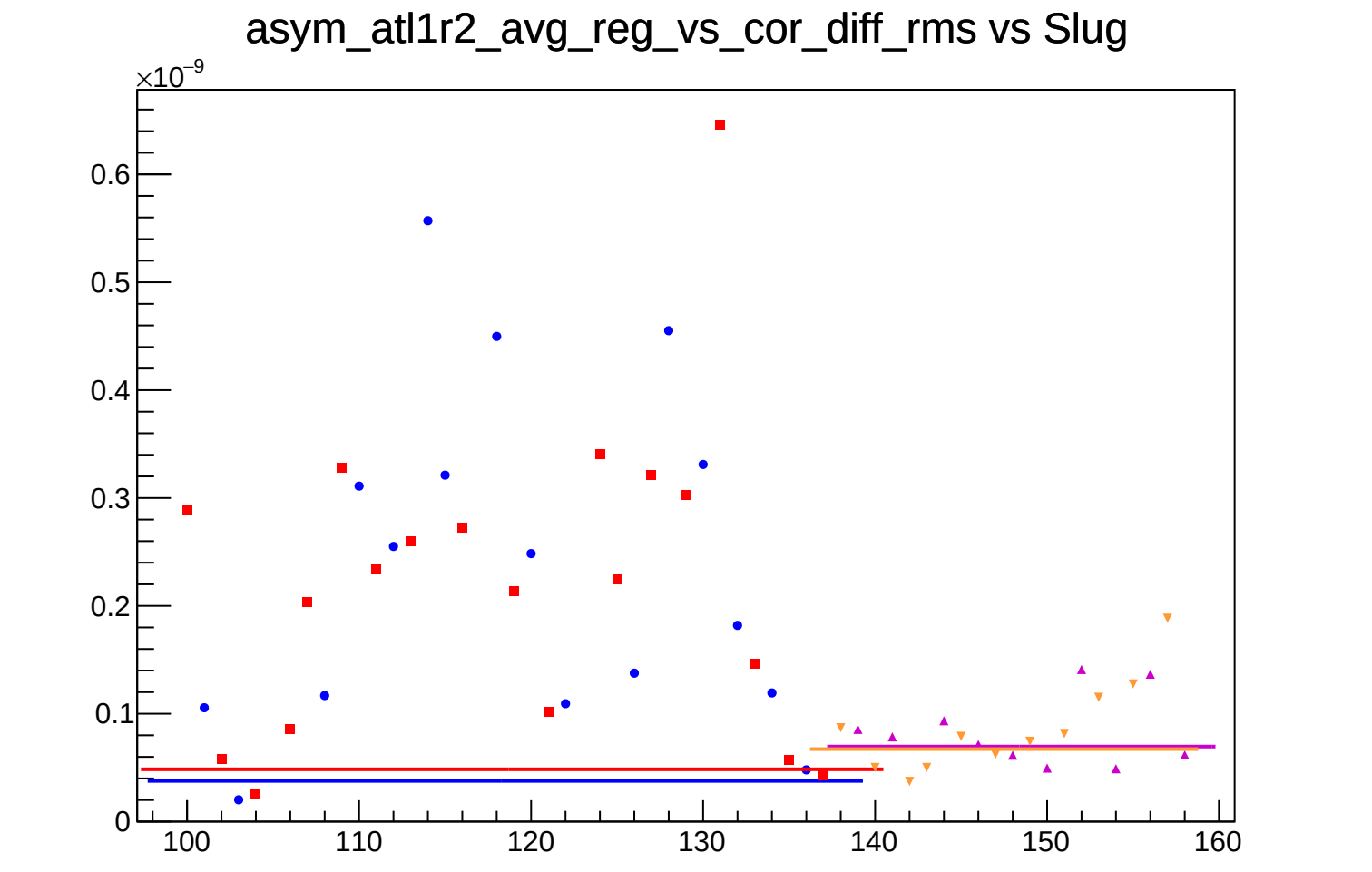
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:6.1/9

+ sign 0.000+/-0.000 χ^2/NDF: 35.9/26

All: 0.000+/-0.000 χ^2/NDF: 71.1/55

- sign 0.000+/-0.000 χ^2/NDF: 35.2/28



Right In: 0.000+/-0.000 χ^2/NDF: 3140697.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:855343.2/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2895431.5/18

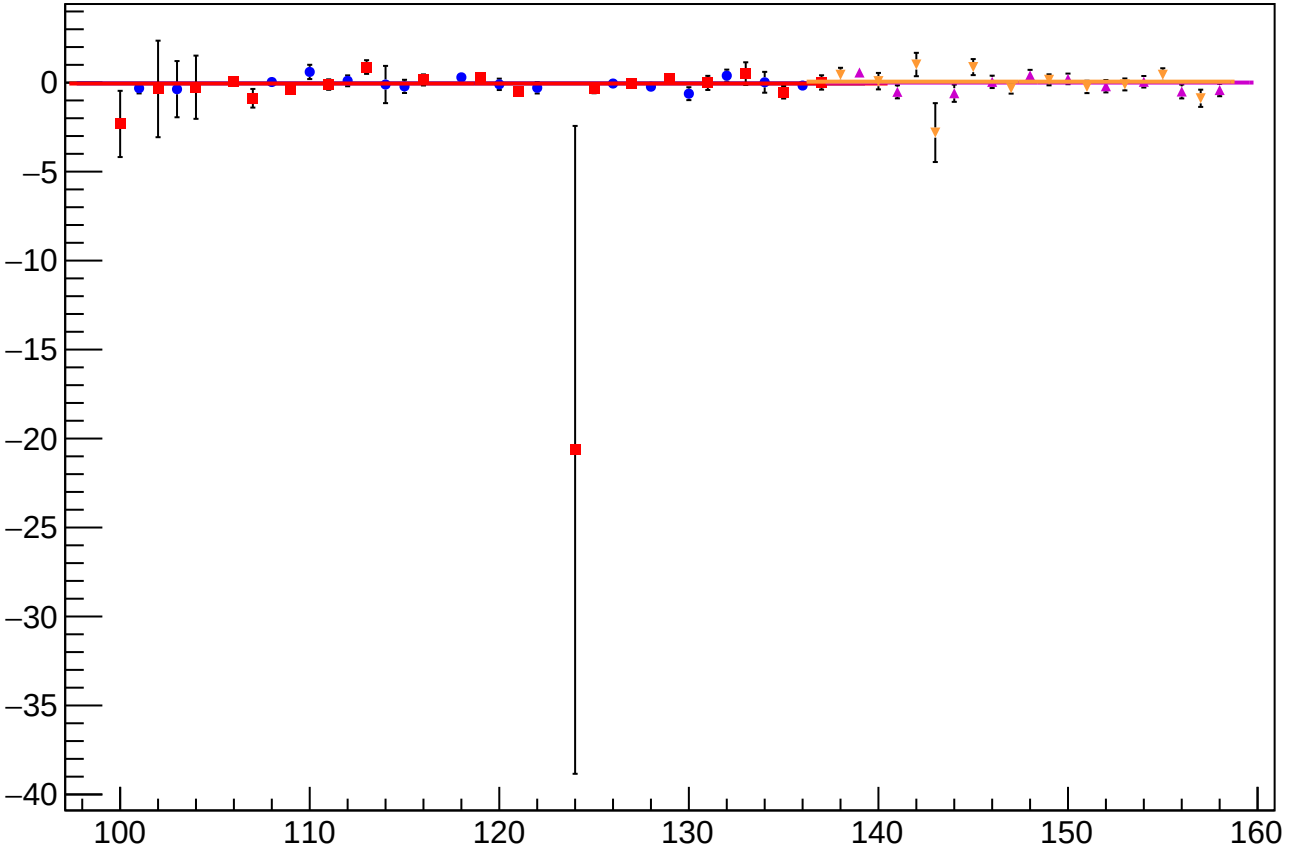
Left In: 0.000+/-0.000 χ^2/NDF:542206.0/9

+ sign 0.000+/-0.000 χ^2/NDF: 4590935.6/26

All: 0.000+/-0.000 χ^2/NDF: 8352963.4/55

- sign 0.000+/-0.000 χ^2/NDF: 3672025.4/28

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.056+/-0.120 χ^2/NDF:16.8/10

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

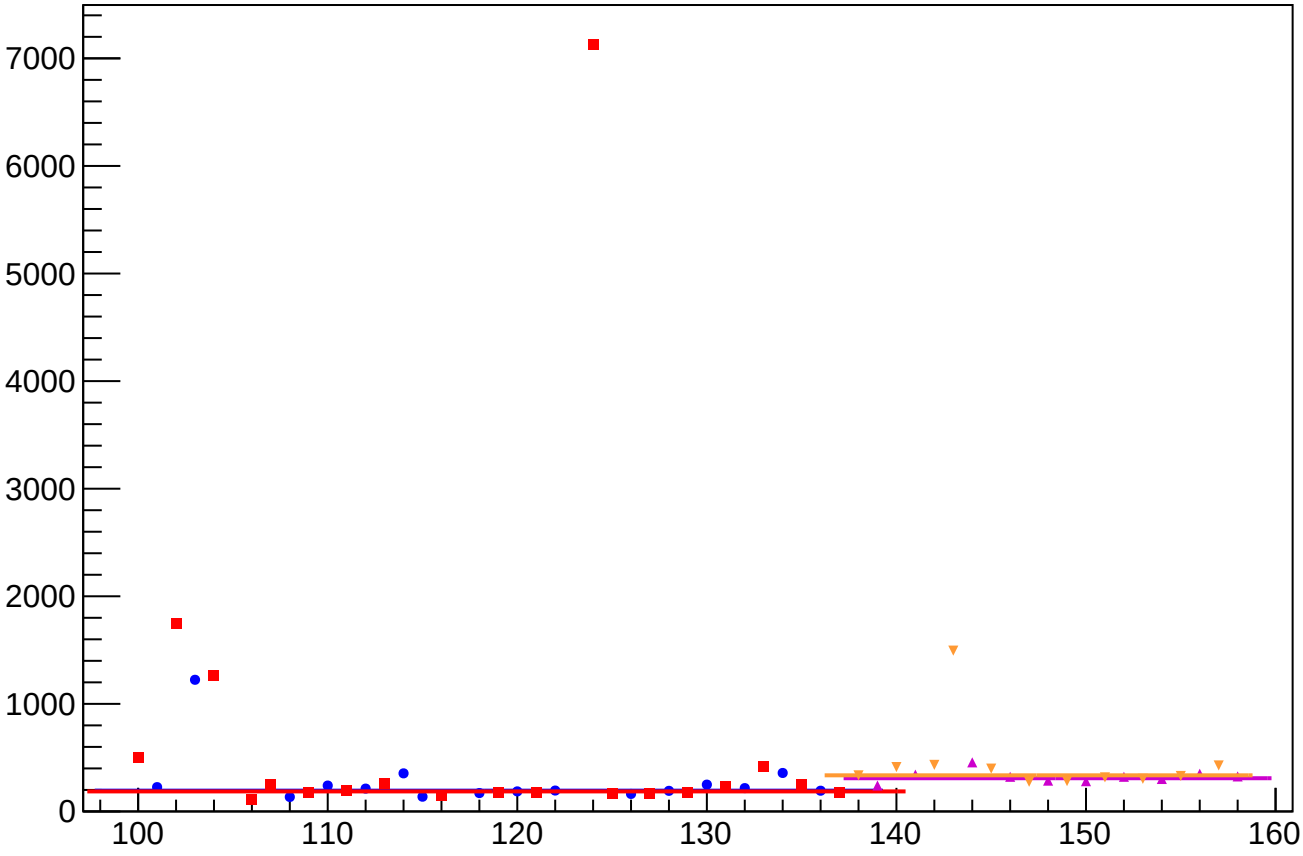
Left In: 0.004+/-0.107 χ^2/NDF:13.4/9

+ sign -0.013+/-0.065 χ^2/NDF: 29.0/26

All: -0.022+/-0.046 χ^2/NDF: 65.6/55

- sign -0.030+/-0.063 χ^2/NDF: 36.6/28

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 335.843+/-0.085 χ^2/NDF:1354476.1/10

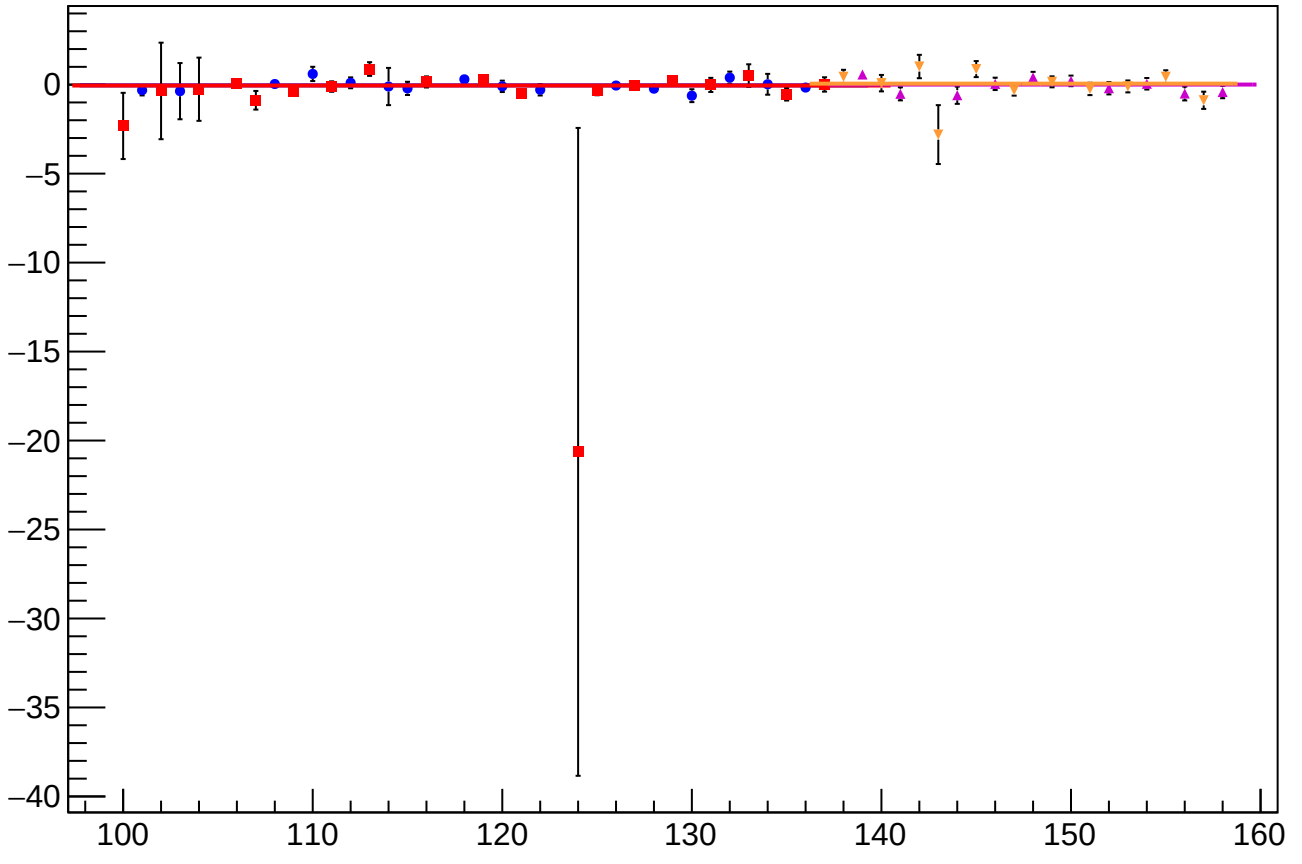
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 308.824+/-0.076 χ^2/NDF:387404.2/9

+ sign 235.206+/-0.046 χ^2/NDF: 4742109.7/26

All: 232.227+/-0.032 χ^2/NDF: 9314415.9/55

- sign 229.416+/-0.045 χ^2/NDF: 4564220.3/28



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.056+/-0.120 χ^2/NDF:16.8/10

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

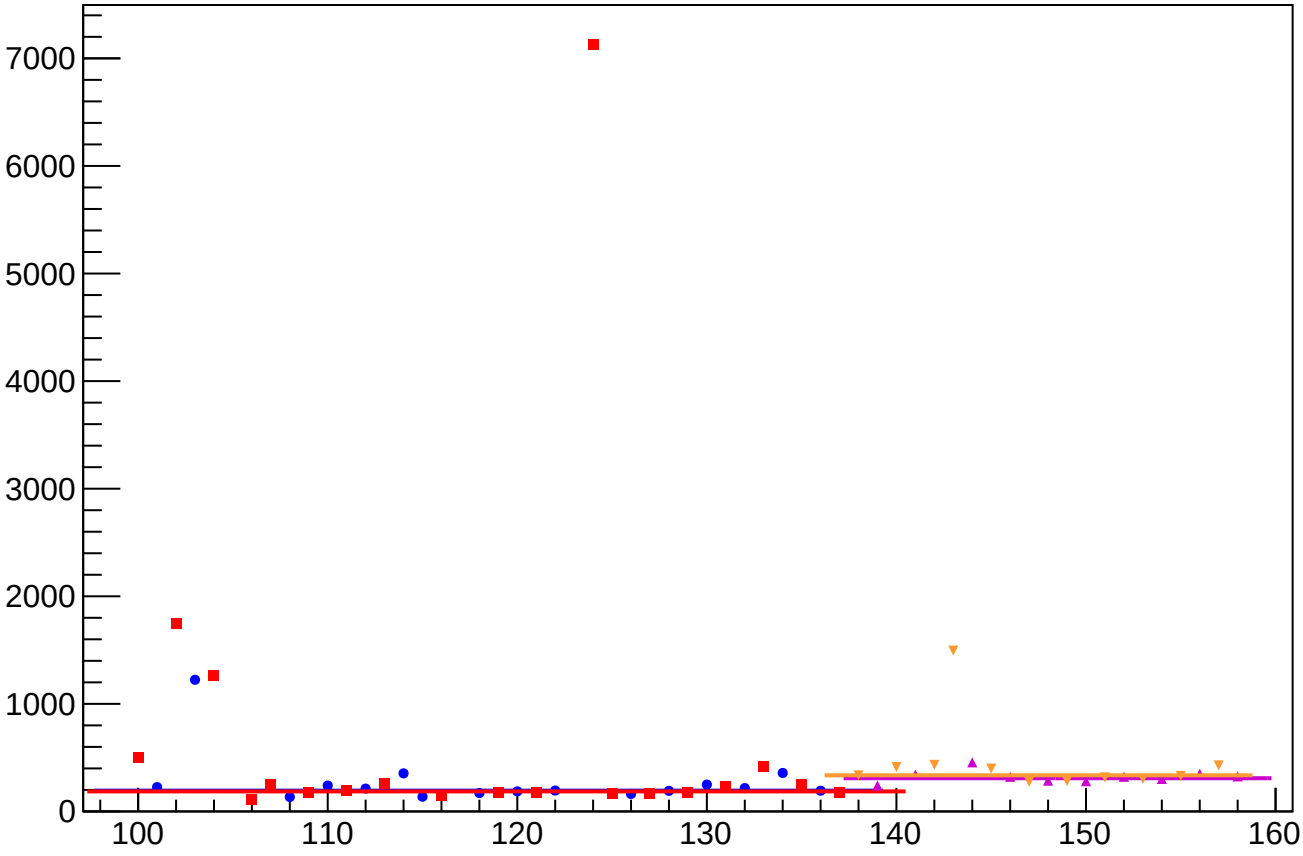
Left In: 0.004+/-0.107 χ^2/NDF:13.4/9

+ sign -0.013+/-0.065 χ^2/NDF: 29.0/26

All: -0.022+/-0.046 χ^2/NDF: 65.6/55

- sign -0.030+/-0.063 χ^2/NDF: 36.6/28

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 335.843+/-0.085 χ^2/NDF:1354476.1/10

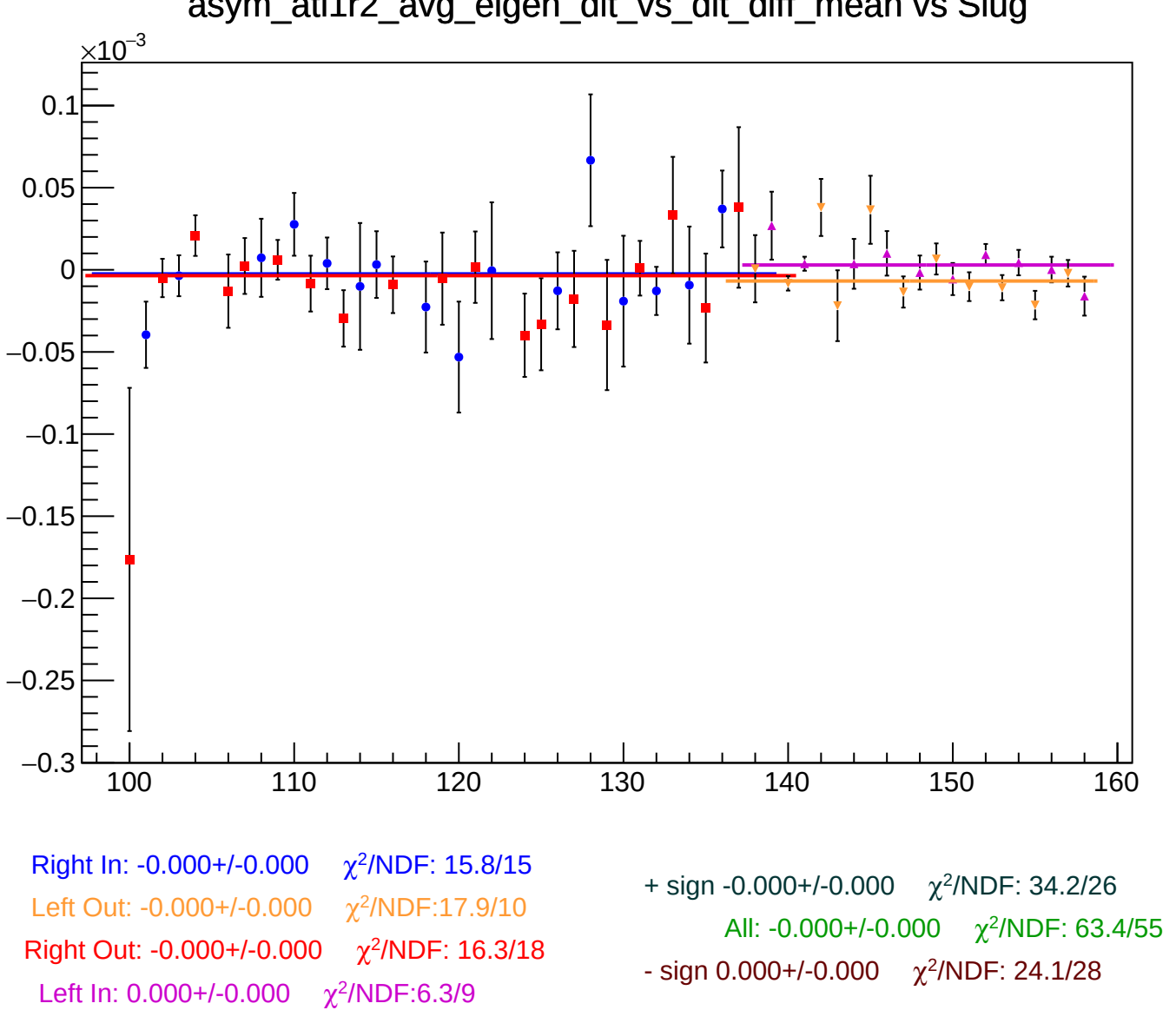
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 308.824+/-0.076 χ^2/NDF:387404.2/9

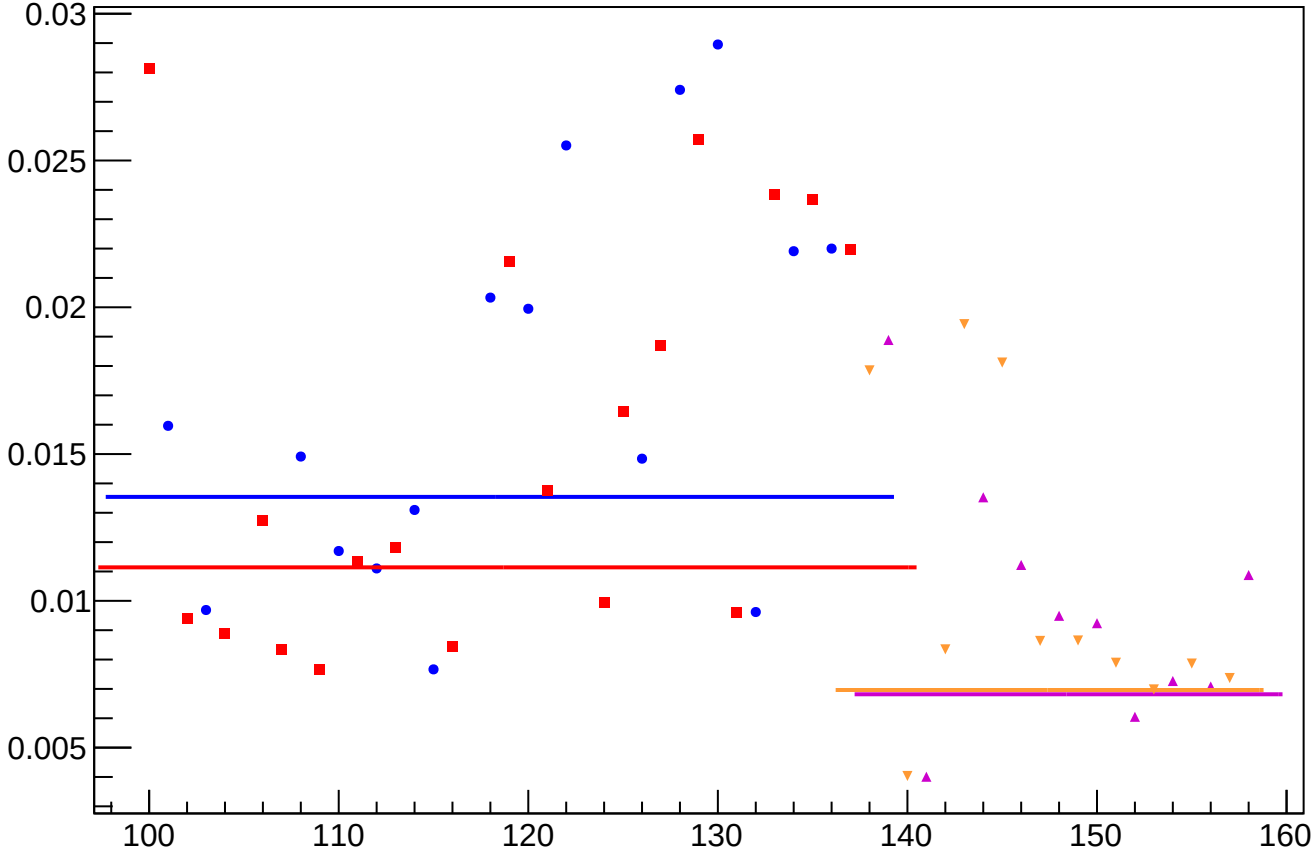
+ sign 235.206+/-0.046 χ^2/NDF: 4742109.7/26

All: 232.227+/-0.032 χ^2/NDF: 9314415.9/55

- sign 229.416+/-0.045 χ^2/NDF: 4564220.3/28


asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10^−3
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 15.8/15
Left Out: -0.000+/-0.000 χ²/NDF:17.9/10
Right Out: -0.000+/-0.000 χ²/NDF: 16.3/18
Left In: 0.000+/-0.000 χ²/NDF:6.3/9
+ sign -0.000+/-0.000 χ²/NDF: 34.2/26
All: -0.000+/-0.000 χ²/NDF: 63.4/55
- sign 0.000+/-0.000 χ²/NDF: 24.1/28

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:2887650.7/10

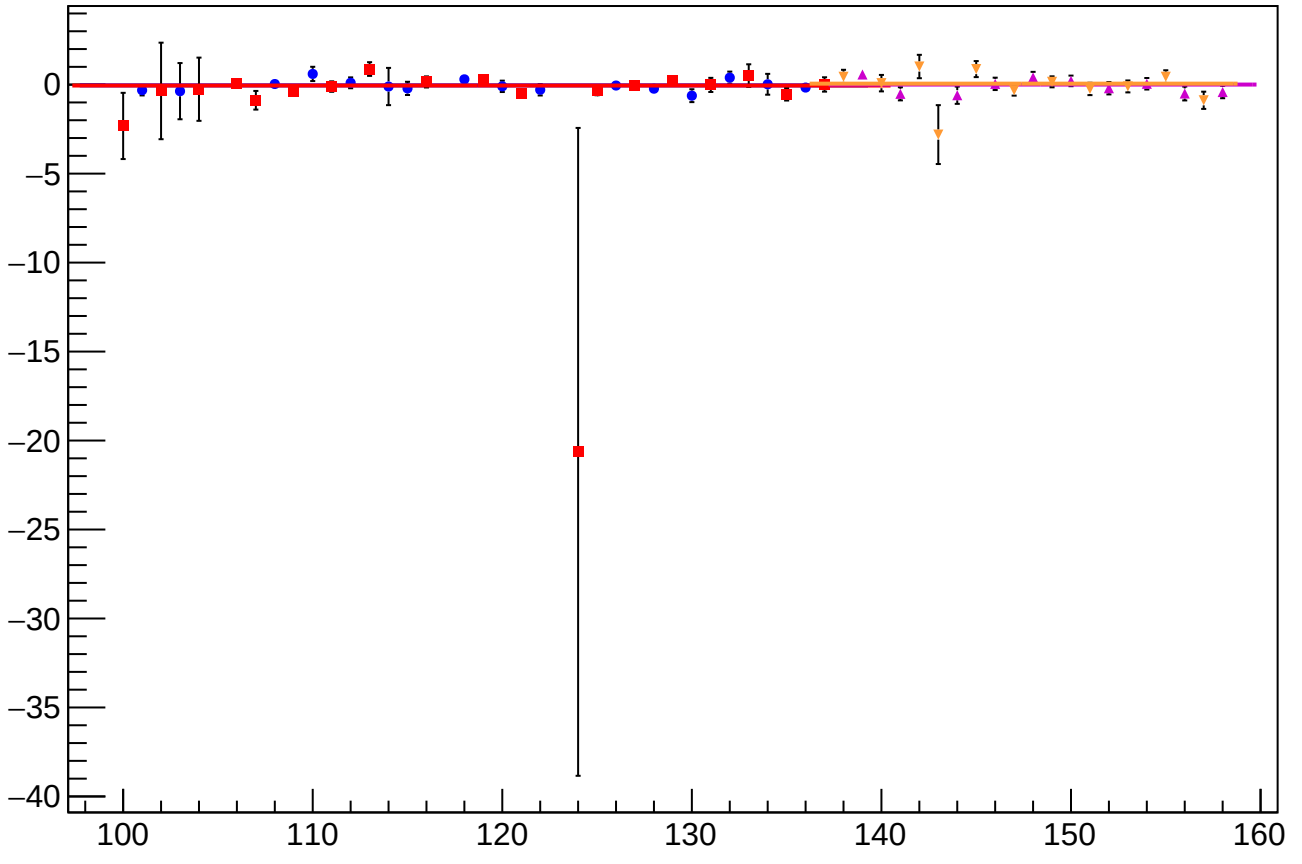
Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.007+/-0.000 χ^2/NDF:2676875.3/9

+ sign 0.008+/-0.000 χ^2/NDF: 7120827.7/26

All: 0.008+/-0.000 χ^2/NDF: 13111615.9/55

- sign 0.008+/-0.000 χ^2/NDF: 5971709.9/28



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.056+/-0.120 χ^2/NDF:16.8/10

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

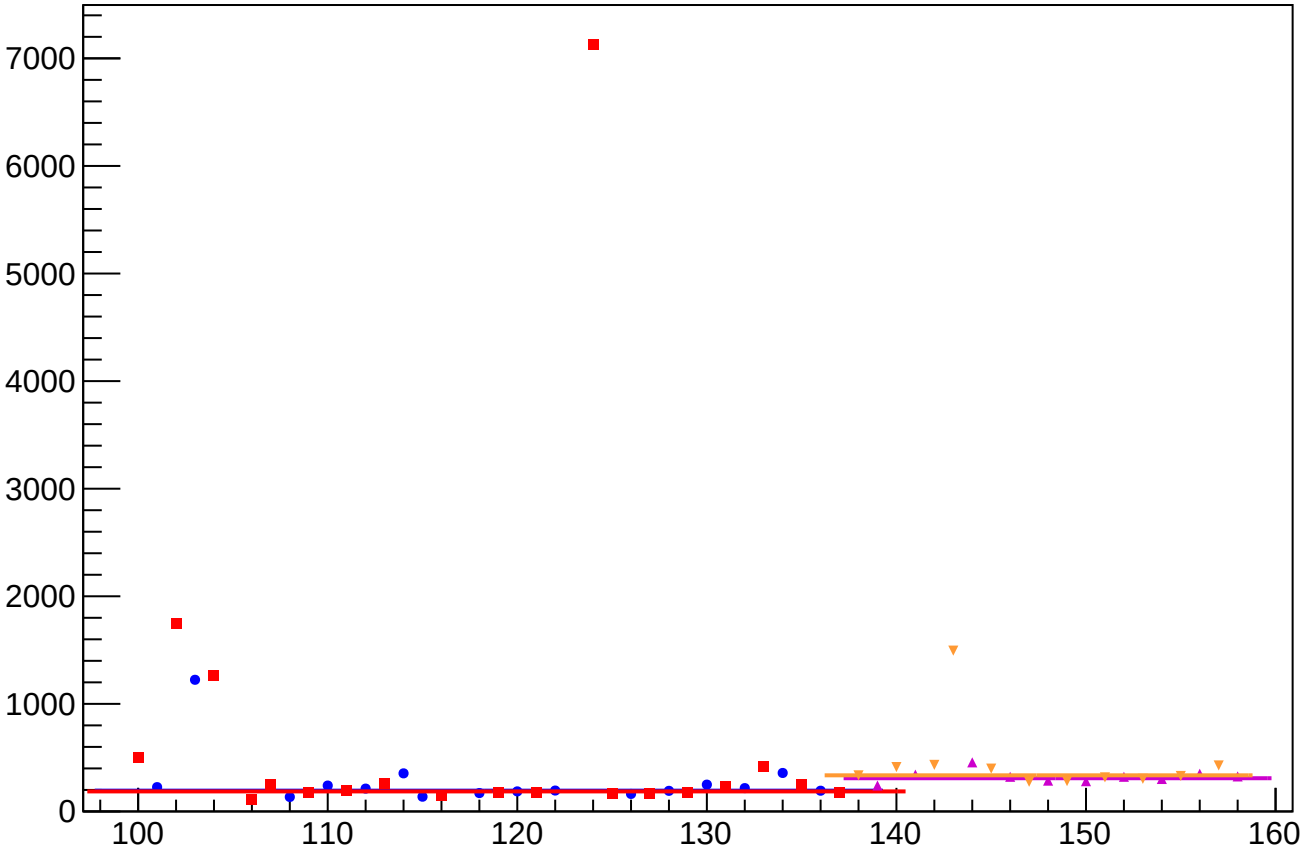
Left In: 0.004+/-0.107 χ^2/NDF:13.4/9

+ sign -0.013+/-0.065 χ^2/NDF: 29.0/26

All: -0.022+/-0.046 χ^2/NDF: 65.6/55

- sign -0.030+/-0.063 χ^2/NDF: 36.6/28

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 335.847+/-0.085 χ^2/NDF:1354448.1/10

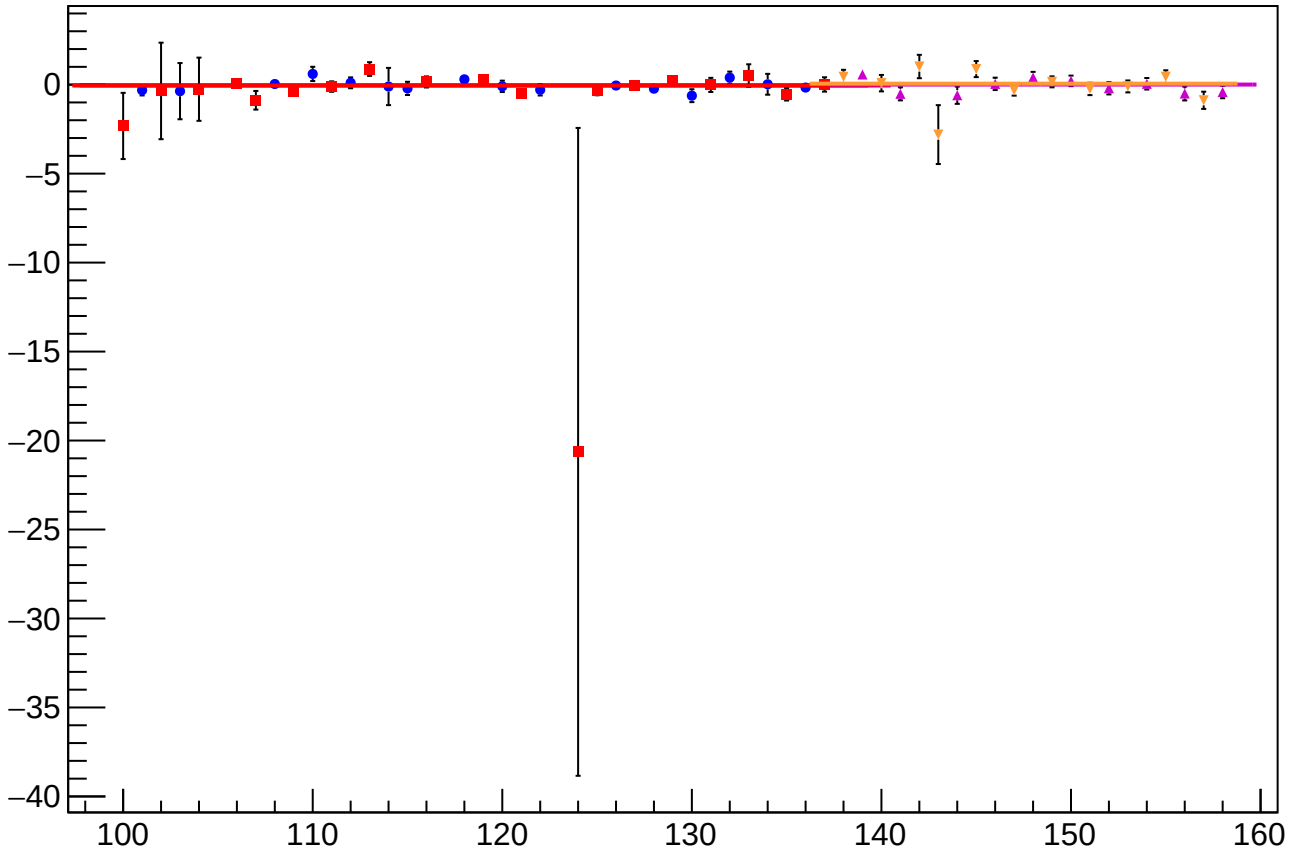
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 308.829+/-0.076 χ^2/NDF:387382.1/9

+ sign 235.205+/-0.046 χ^2/NDF: 4742197.5/26

All: 232.226+/-0.032 χ^2/NDF: 9314673.5/55

- sign 229.415+/-0.045 χ^2/NDF: 4564389.4/28



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.056+/-0.120 χ^2/NDF:16.8/10

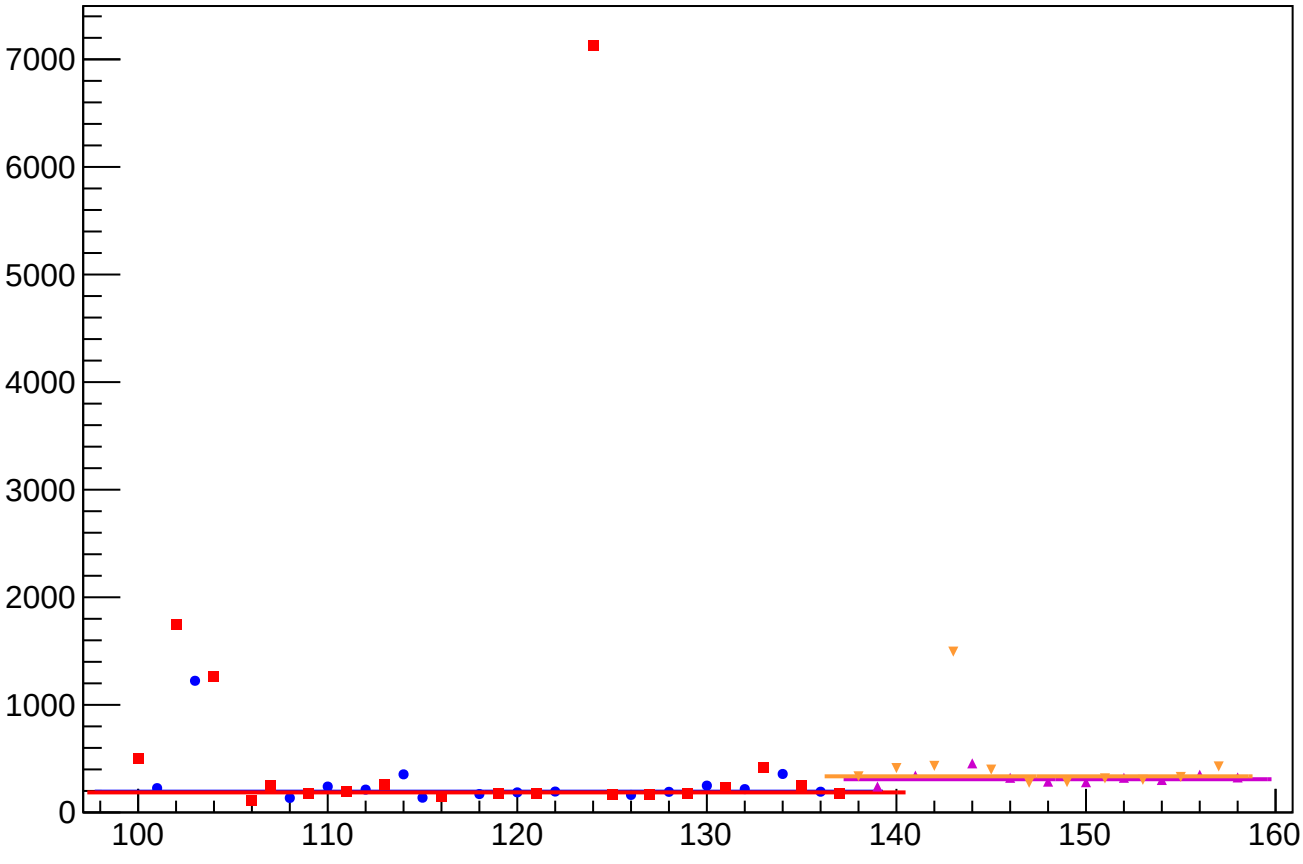
Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.004+/-0.107 χ^2/NDF:13.4/9

+ sign -0.013+/-0.065 χ^2/NDF: 29.0/26

All: -0.022+/-0.046 χ^2/NDF: 65.6/55

- sign -0.030+/-0.063 χ^2/NDF: 36.6/28



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 335.847+/-0.085 χ^2/NDF:1354448.1/10

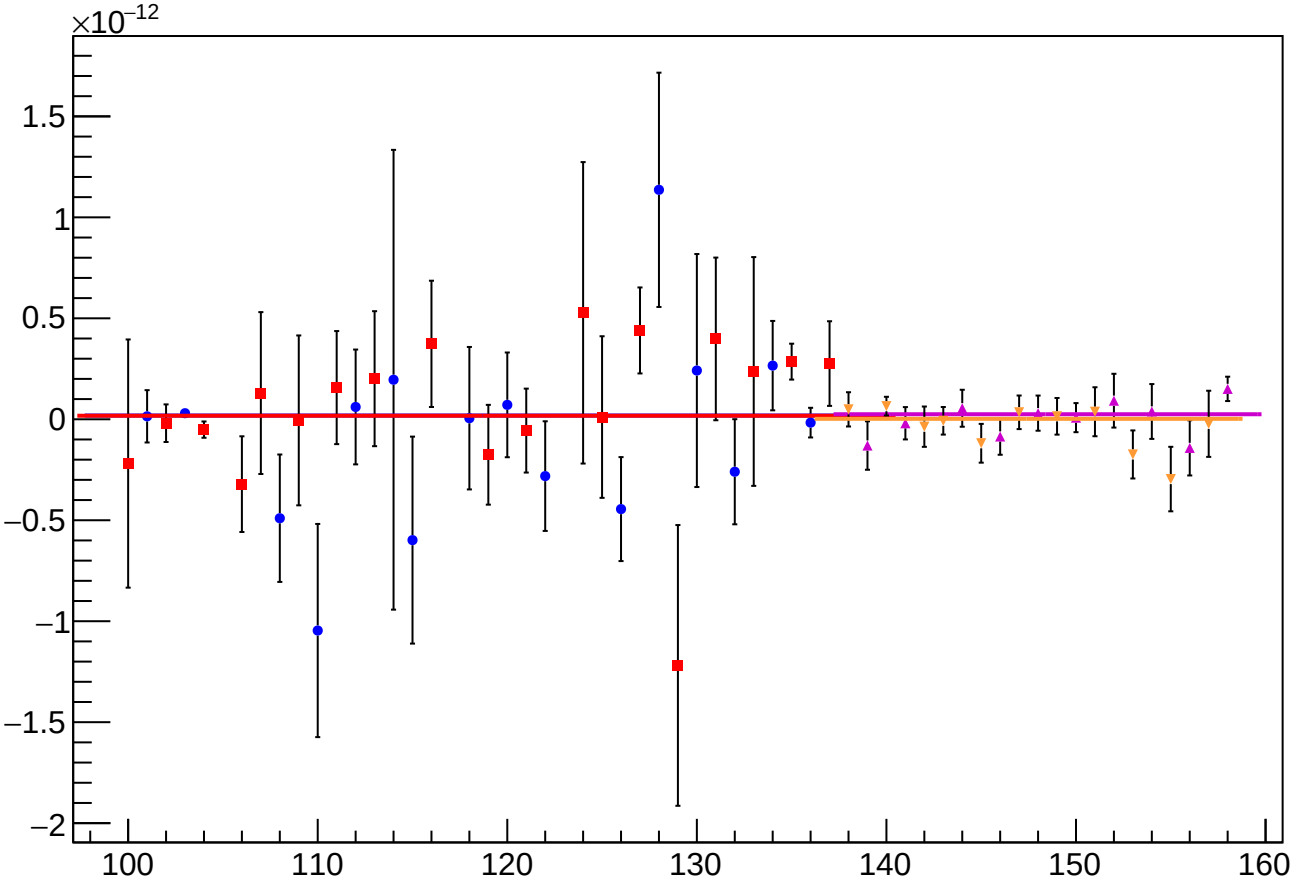
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 308.829+/-0.076 χ^2/NDF:387382.1/9

+ sign 235.205+/-0.046 χ^2/NDF: 4742197.5/26

All: 232.226+/-0.032 χ^2/NDF: 9314673.5/55

- sign 229.415+/-0.045 χ^2/NDF: 4564389.4/28



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.9/10

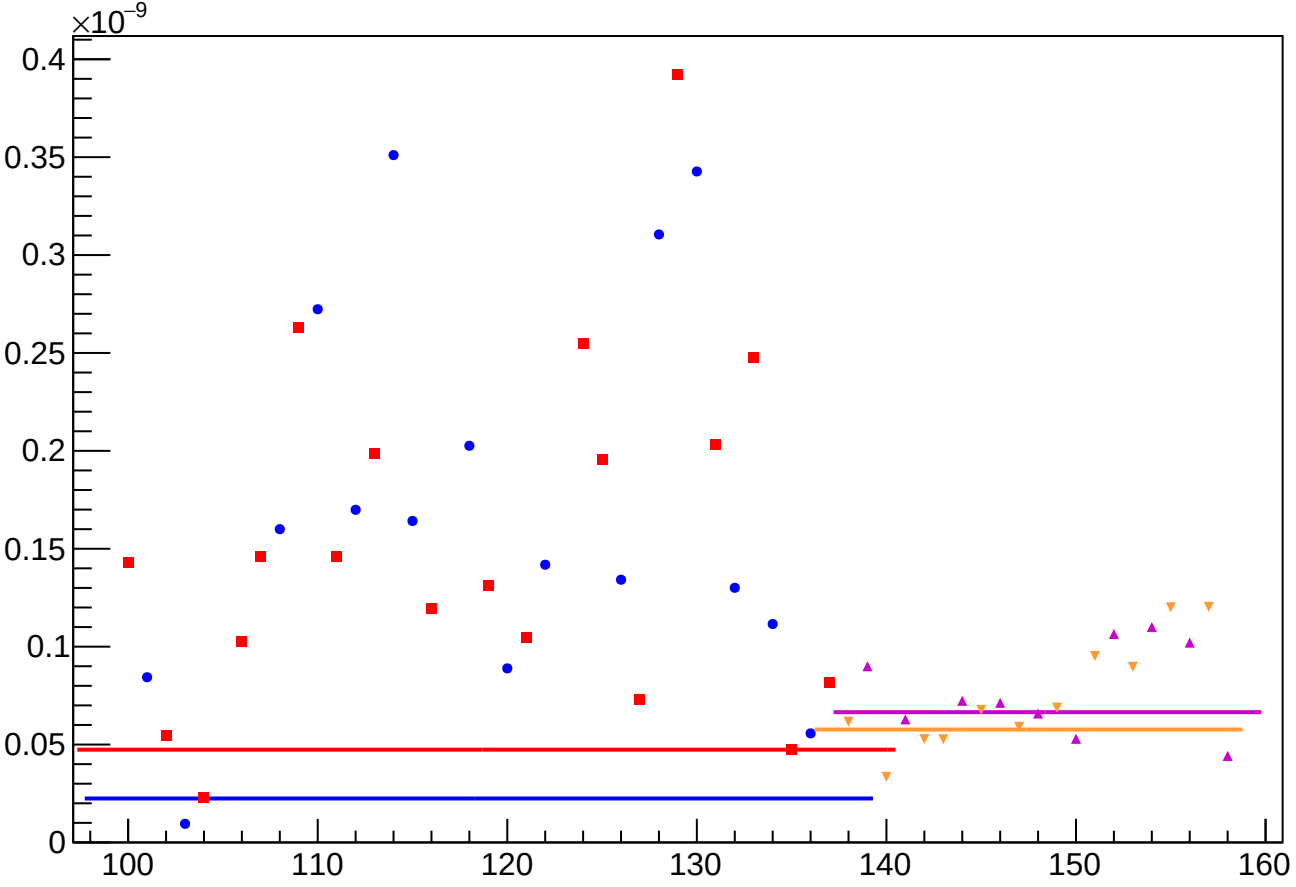
Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: 0.000+/-0.000 χ^2/NDF:9.7/9

+ sign 0.000+/-0.000 χ^2/NDF: 29.5/26

All: 0.000+/-0.000 χ^2/NDF: 66.5/55

- sign 0.000+/-0.000 χ^2/NDF: 36.9/28



Right In: 0.000+/-0.000 χ^2/NDF: 6410173.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1552057.8/10

Right Out: 0.000+/-0.000 χ^2/NDF: 4236050.4/18

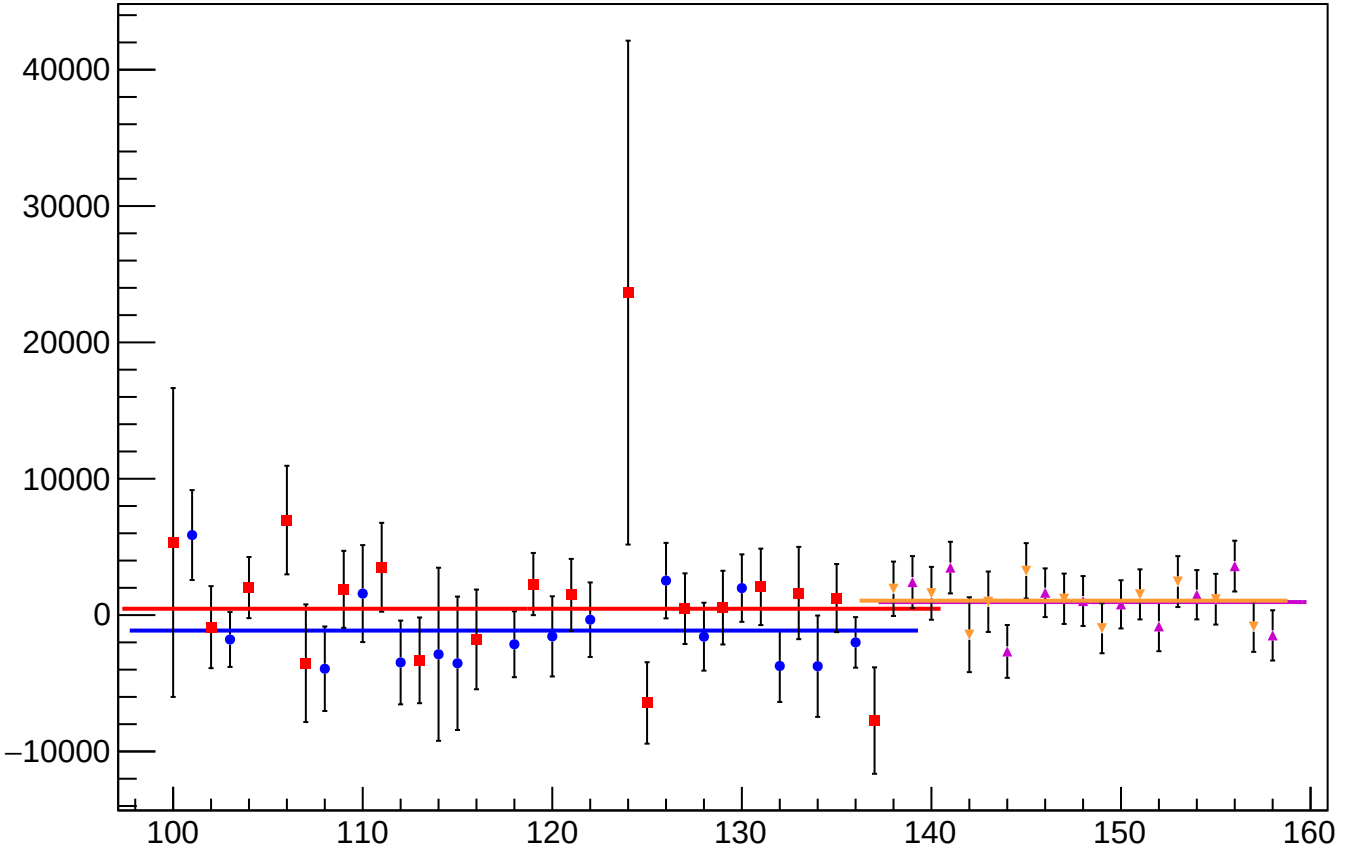
Left In: 0.000+/-0.000 χ^2/NDF:960551.9/9

+ sign 0.000+/-0.000 χ^2/NDF: 10241552.2/26

All: 0.000+/-0.000 χ^2/NDF: 17184217.8/55

- sign 0.000+/-0.000 χ^2/NDF: 5607068.1/28

reg_asym_atl1r2_dd_mean vs Slug



Right In: -1134.630+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1057.547+/-592.338 χ^2/NDF:5.2/10

Right Out: 465.519+/-705.926 χ^2/NDF: 20.0/18

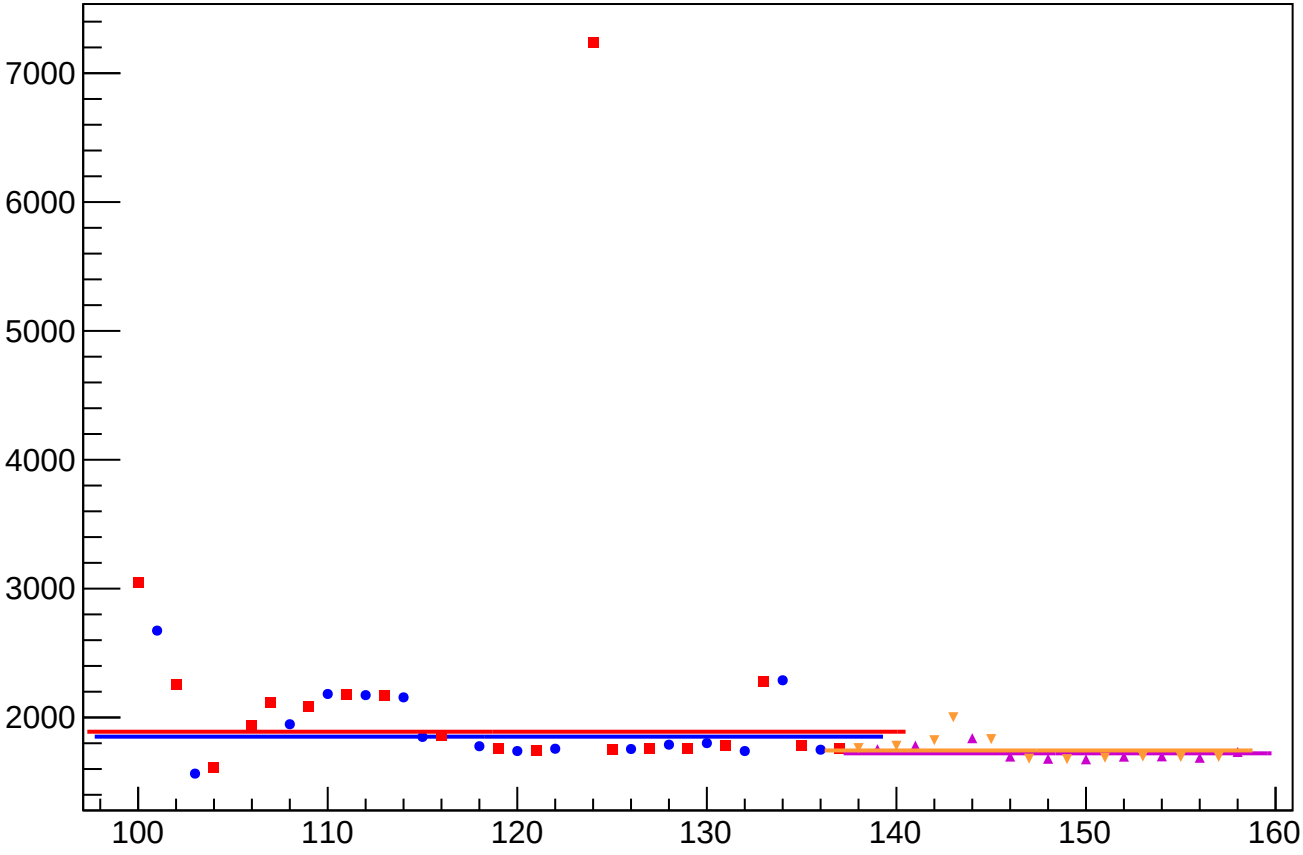
Left In: 955.302+/-583.152 χ^2/NDF:10.8/9

+ sign 133.299+/-450.484 χ^2/NDF: 23.2/26

All: 445.589+/-318.223 χ^2/NDF: 55.3/55

- sign 756.639+/-449.589 χ^2/NDF: 31.1/28

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1744.072+/-0.419 χ^2/NDF:44525.3/10

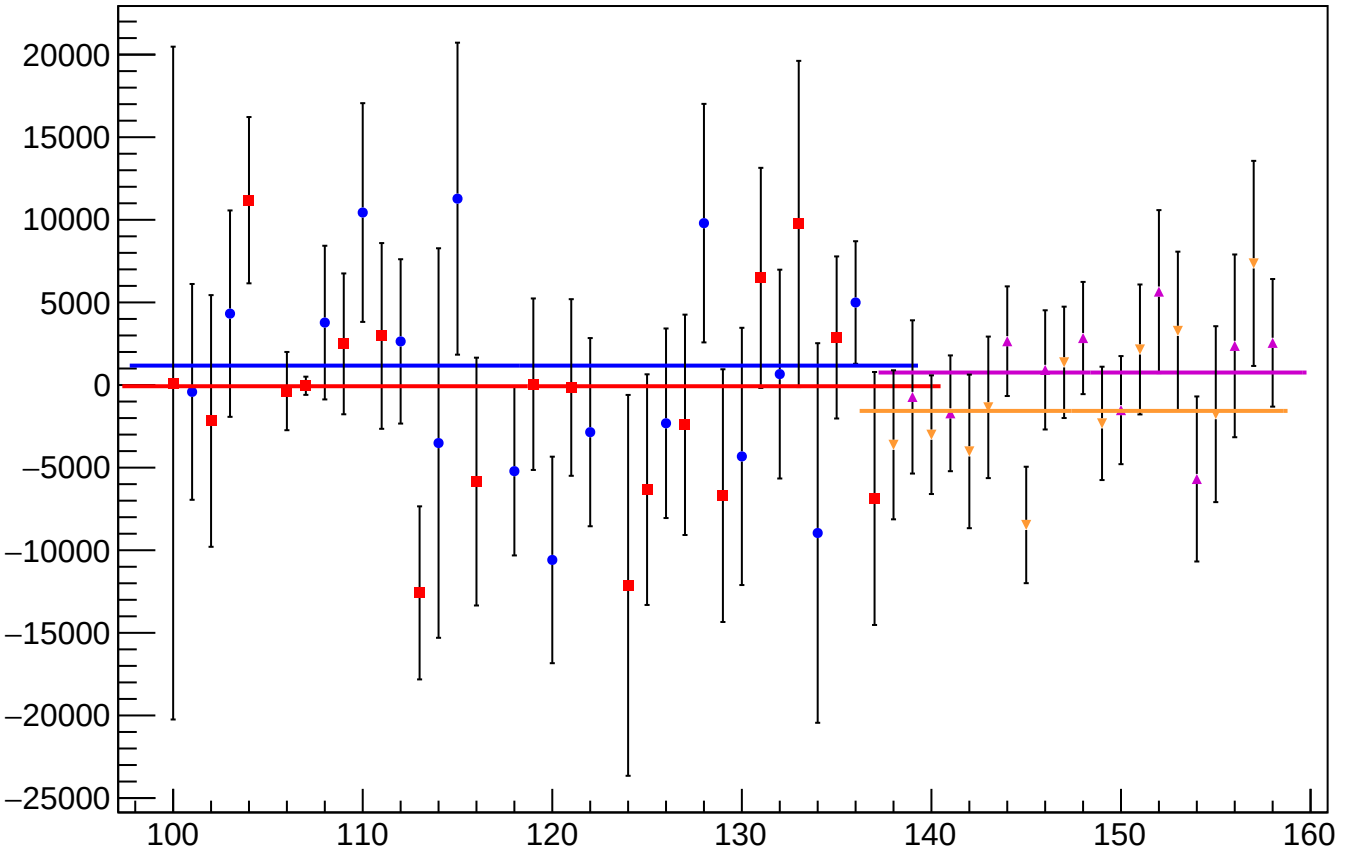
Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

Left In: 1721.821+/-0.412 χ^2/NDF:14203.7/9

+ sign 1789.209+/-0.319 χ^2/NDF: 332052.0/26

All: 1789.622+/-0.225 χ^2/NDF: 772440.5/55

- sign 1790.033+/-0.318 χ^2/NDF: 440385.2/28



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -1566.217+/-1239.925 χ^2/NDF:9.3/10

Right Out: -72.681+/-505.693 χ^2/NDF: 17.9/18

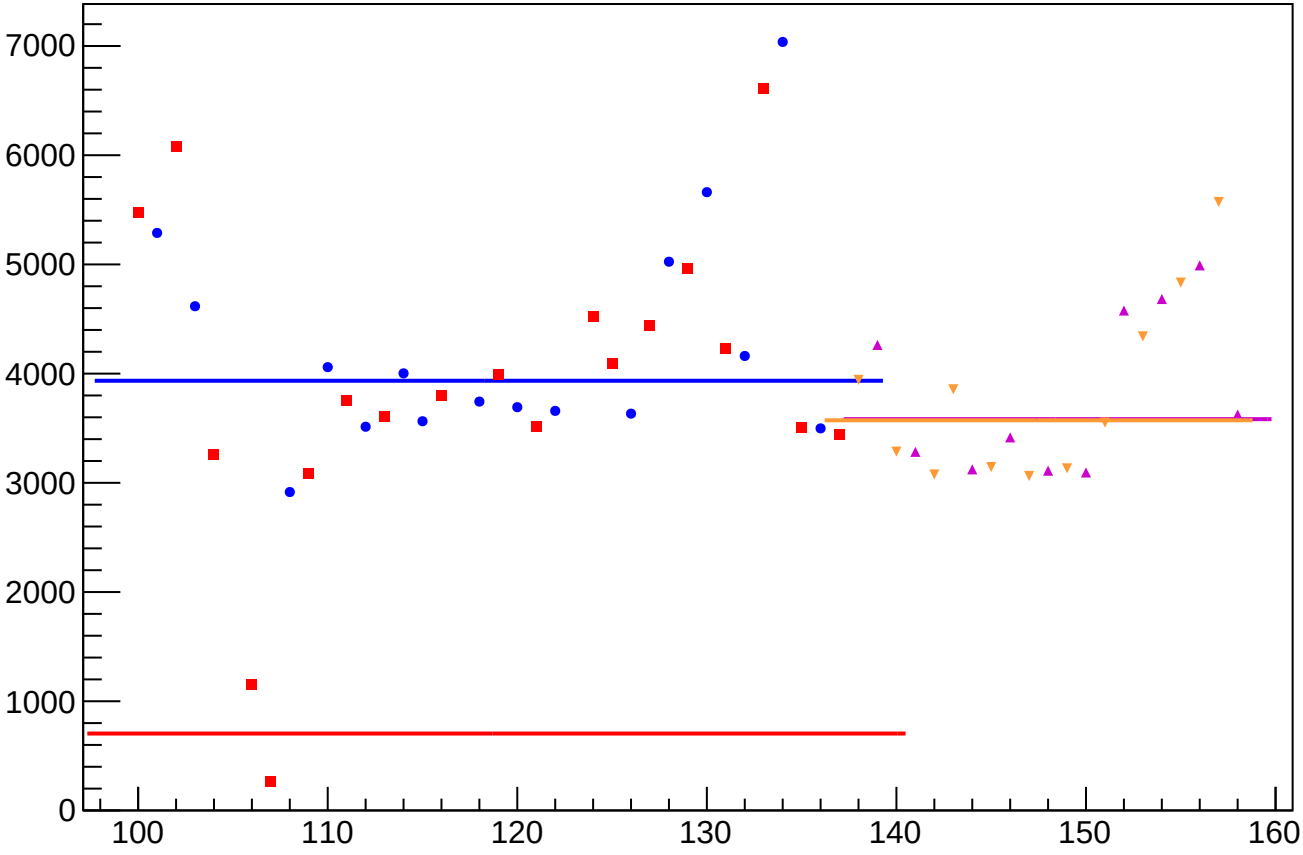
Left In: 756.277+/-1234.082 χ^2/NDF:4.7/9

+ sign -455.182+/-956.236 χ^2/NDF: 25.0/26

All: -50.424+/-420.306 χ^2/NDF: 48.3/55

- sign 46.500+/-467.931 χ^2/NDF: 23.1/28

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3572.845+/-0.877 χ^2/NDF:537061.4/10

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

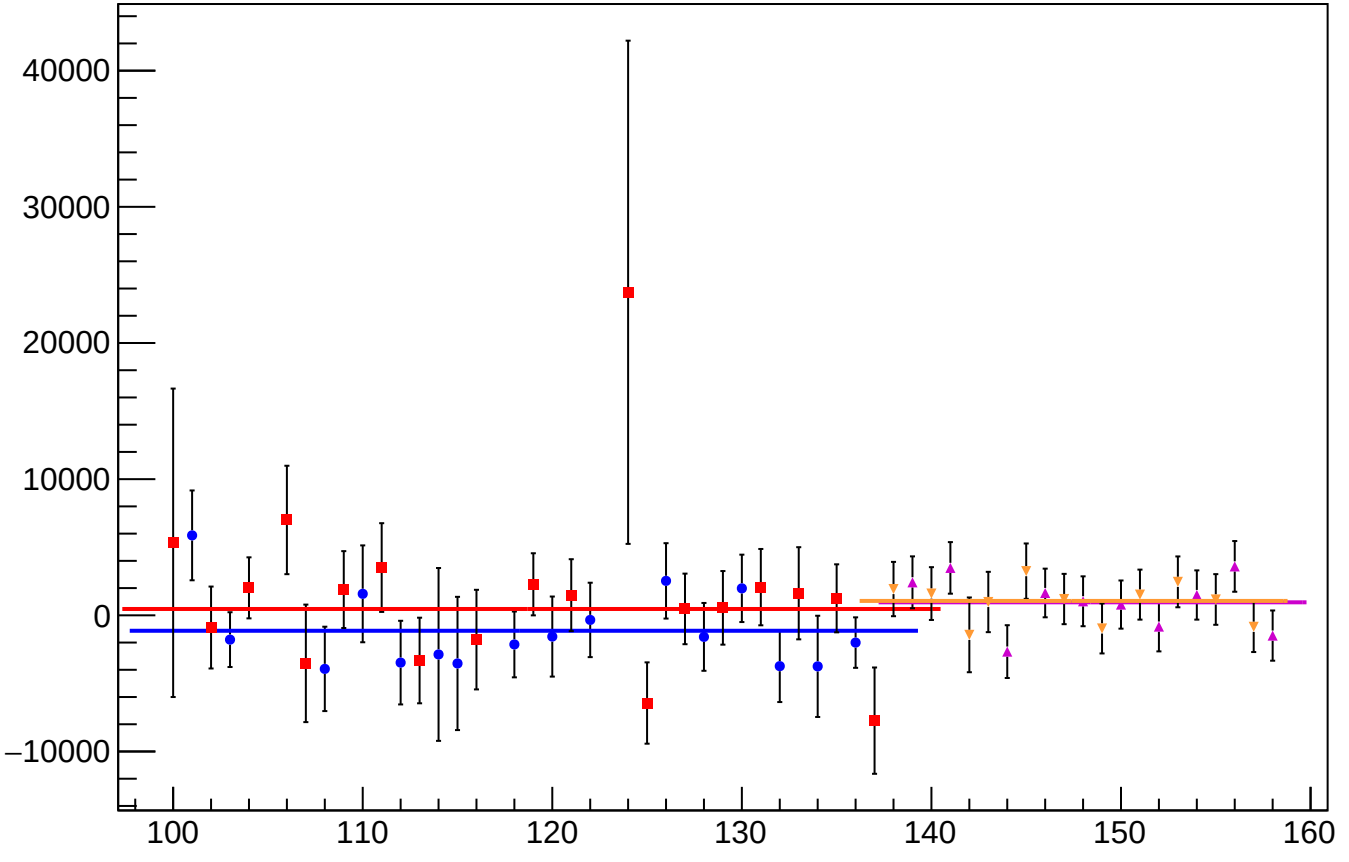
Left In: 3583.245+/-0.873 χ^2/NDF:491518.0/9

+ sign 3719.492+/-0.676 χ^2/NDF: 1166221.8/26

All: 1620.831+/-0.297 χ^2/NDF: 33535784.4/5

- sign 1118.285+/-0.331 χ^2/NDF: 20429217.8/28

cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1057.567+/-592.338 χ^2/NDF:5.2/10

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

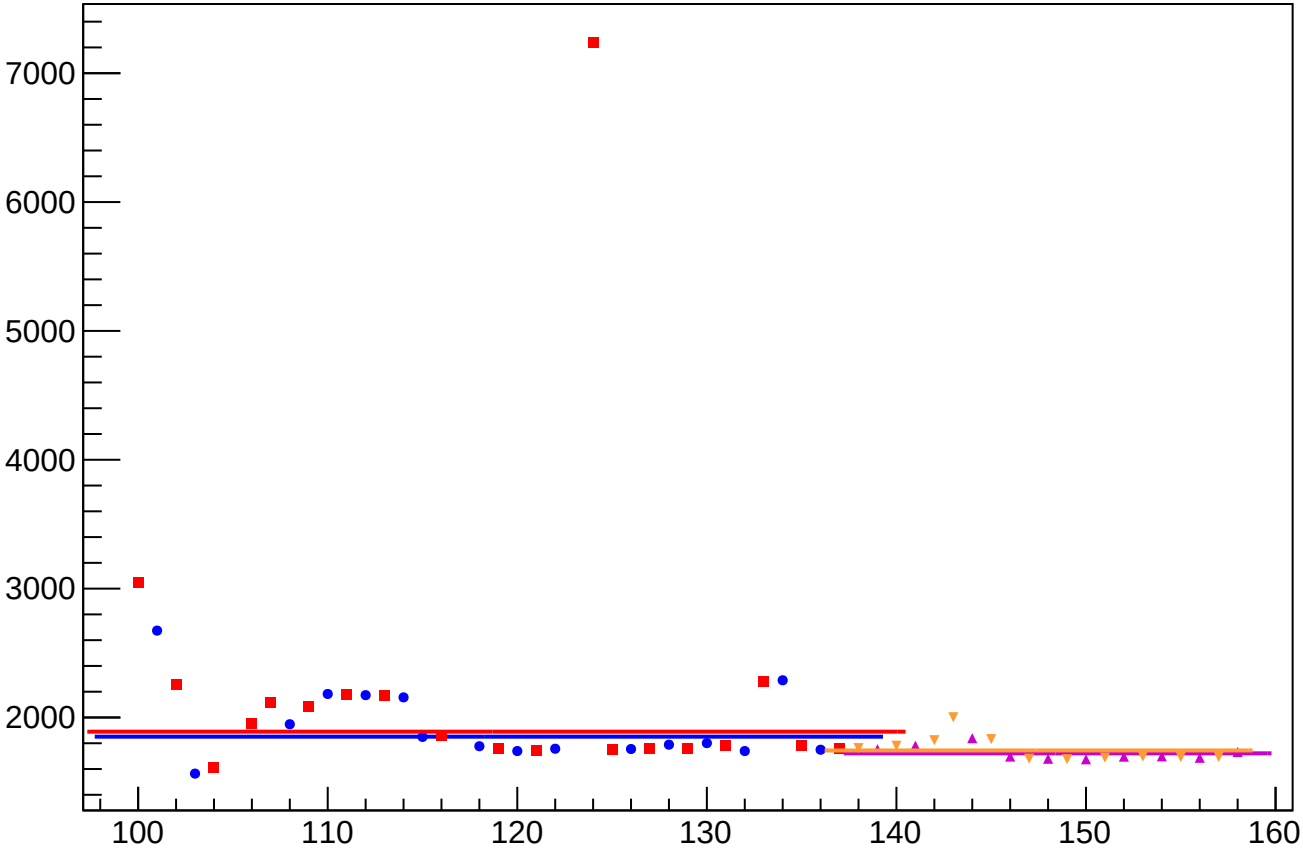
Left In: 955.261+/-583.152 χ^2/NDF:10.8/9

\+ sign 133.490+/-450.484 χ^2/NDF: 23.2/26

All: 445.749+/-318.224 χ^2/NDF: 55.3/55

\- sign 756.769+/-449.590 χ^2/NDF: 31.2/28

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1744.072+/-0.419 χ^2/NDF:44525.3/10

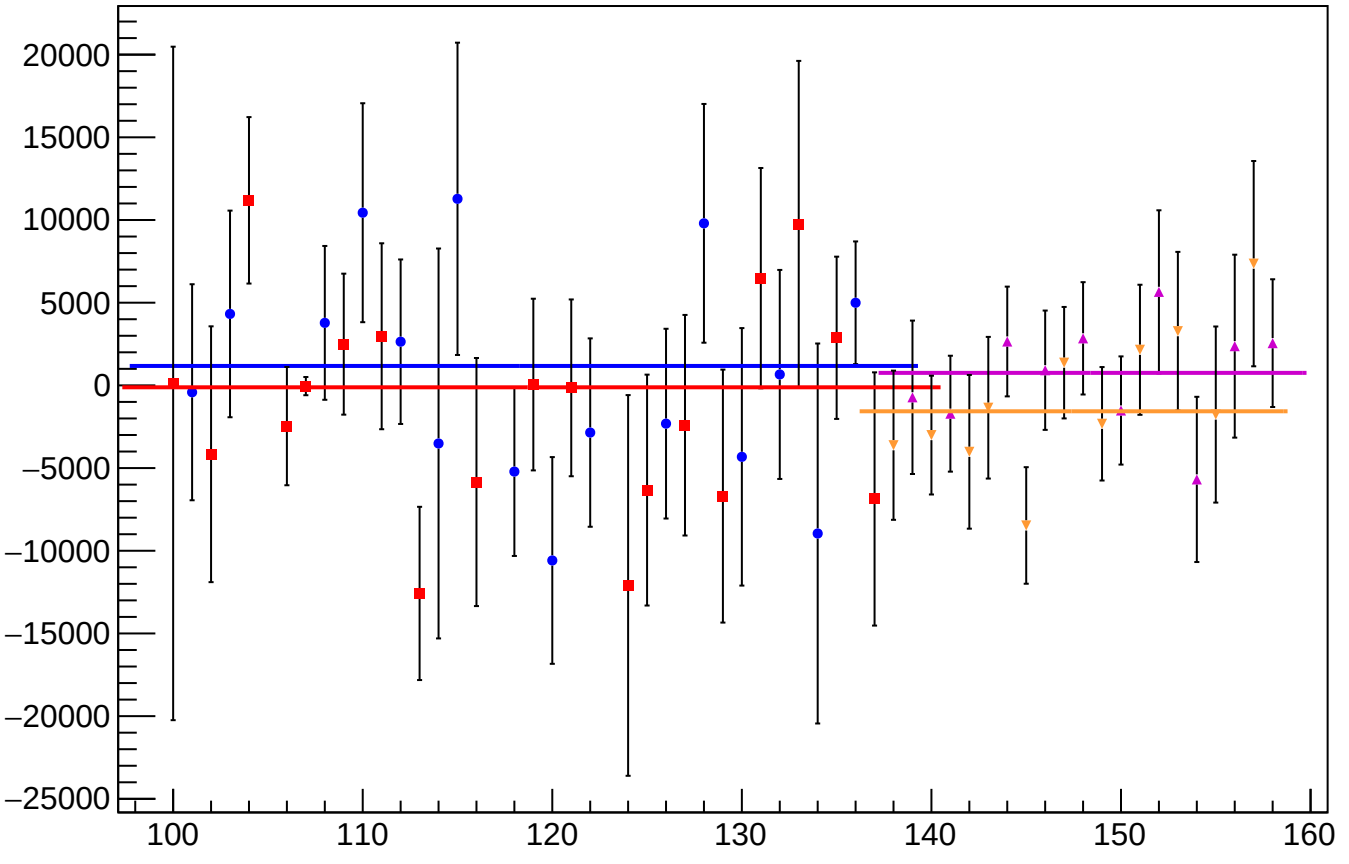
Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1721.821+/-0.412 χ^2/NDF:14203.7/9

+ sign 1789.209+/-0.319 χ^2/NDF: 332051.4/26

All: 1789.706+/-0.225 χ^2/NDF: 773011.1/55

- sign 1790.201+/-0.318 χ^2/NDF: 440954.9/28



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -1566.291+/-1239.921 χ^2/NDF:9.3/10

Right Out: -115.917+/-512.289 χ^2/NDF: 18.6/18

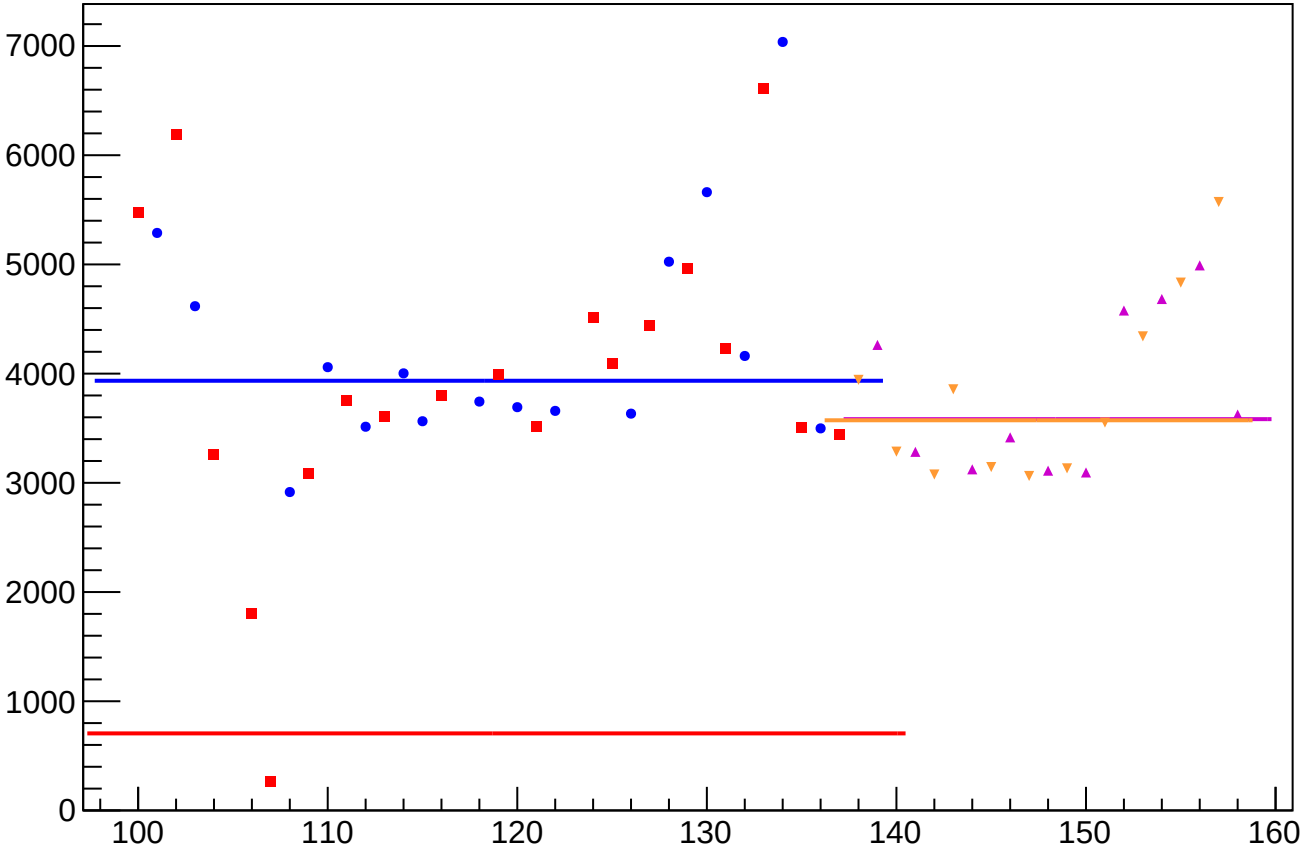
Left In: 756.322+/-1234.083 χ^2/NDF:4.7/9

+ sign -455.244+/-956.236 χ^2/NDF: 25.0/26

All: -79.657+/-424.070 χ^2/NDF: 48.9/55

- sign 12.296+/-473.142 χ^2/NDF: 23.7/28

asym_atl1r2_dd_cor_correction_rms vs Slug



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3572.833+/-0.877 χ^2/NDF:537065.6/10

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

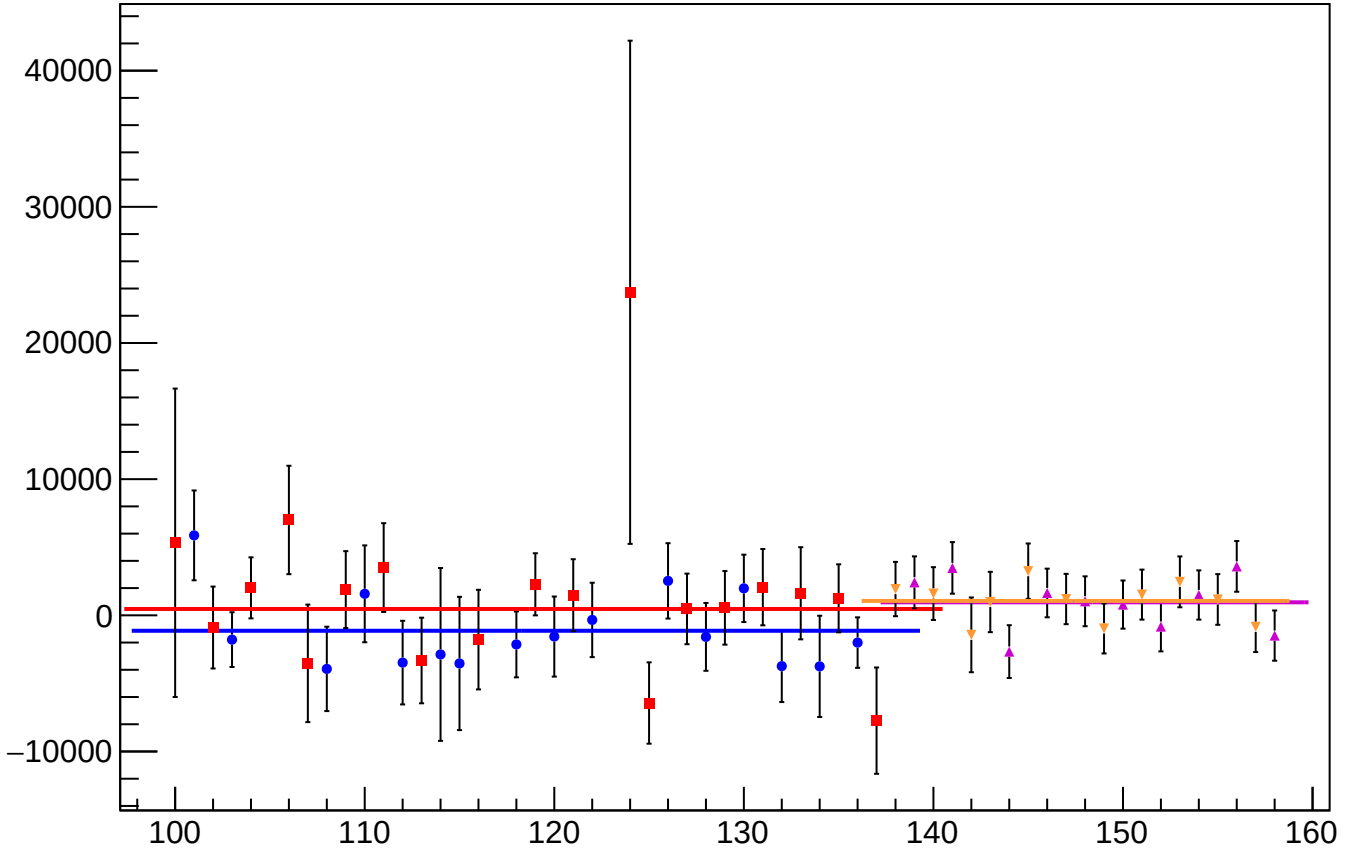
Left In: 3583.247+/-0.873 χ^2/NDF:491510.6/9

+ sign 3719.487+/-0.676 χ^2/NDF: 1166258.0/26

All: 1638.166+/-0.300 χ^2/NDF: 33475711.1/5

- sign 1128.609+/-0.335 χ^2/NDF: 20514773.7/28

eigen_cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1057.567+/-592.338 χ^2/NDF:5.2/10

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

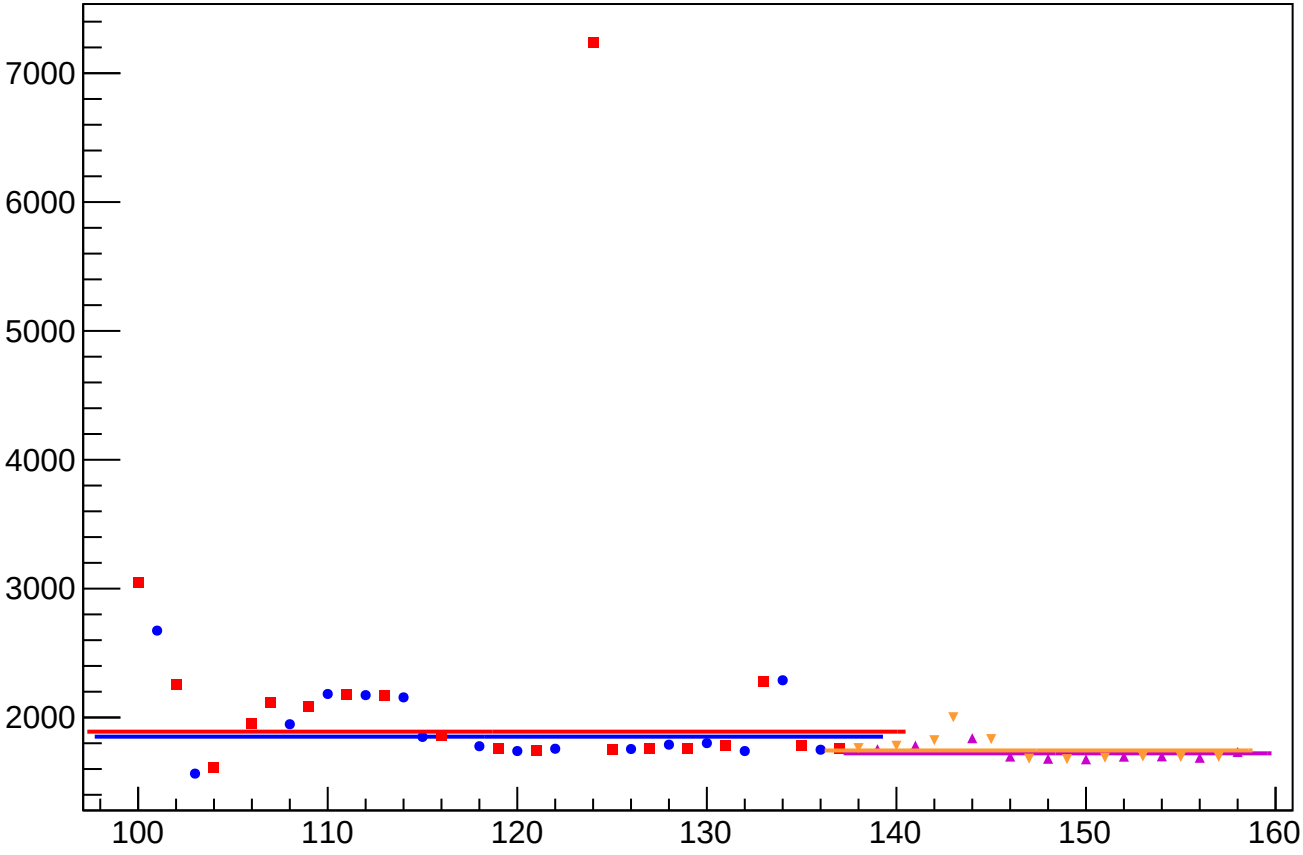
Left In: 955.261+/-583.152 χ^2/NDF:10.8/9

+ sign 133.490+/-450.484 χ^2/NDF: 23.2/26

All: 445.749+/-318.224 χ^2/NDF: 55.3/55

- sign 756.769+/-449.590 χ^2/NDF: 31.2/28

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1744.072+/-0.419 χ^2/NDF:44525.3/10

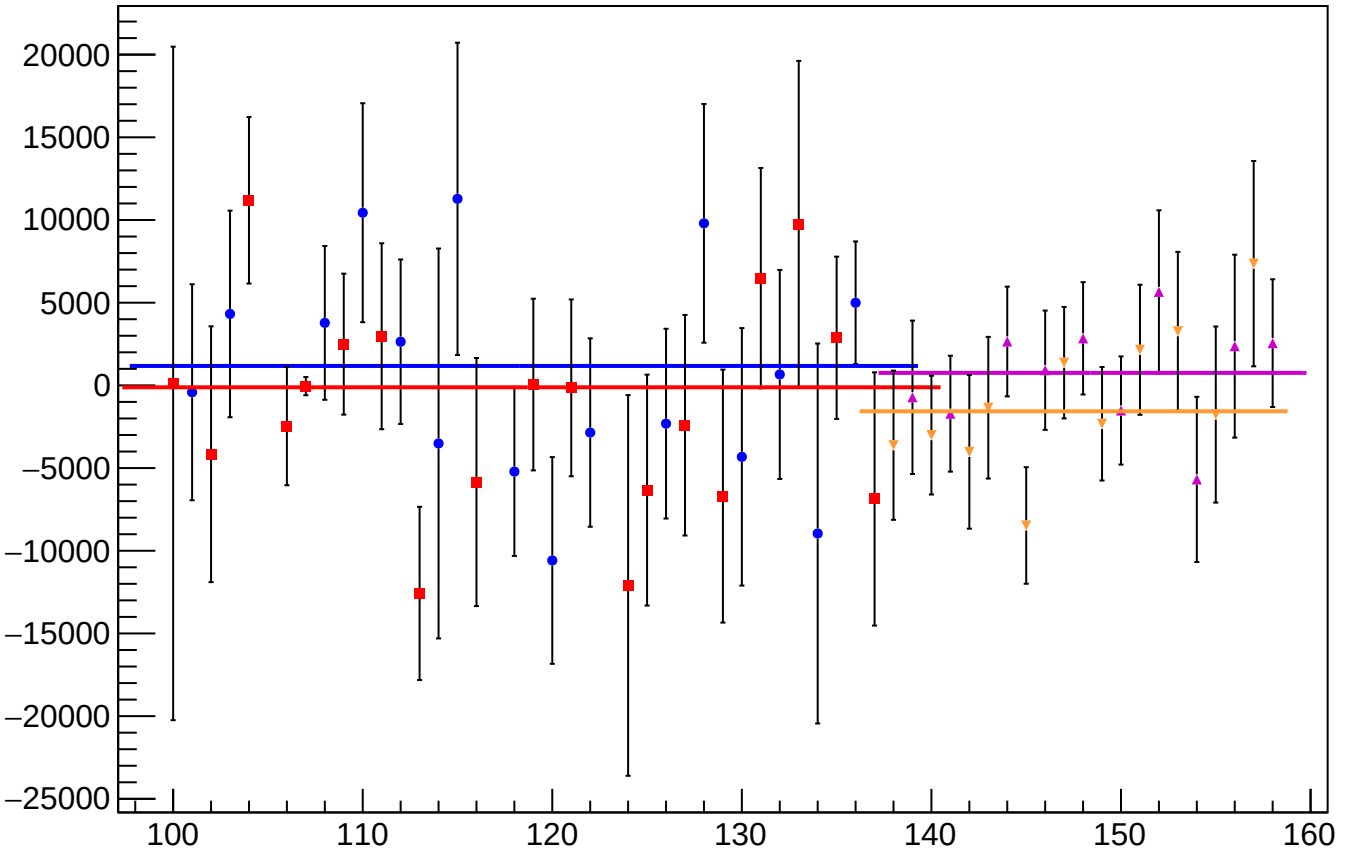
Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1721.821+/-0.412 χ^2/NDF:14203.7/9

+ sign 1789.209+/-0.319 χ^2/NDF: 332051.4/26

All: 1789.706+/-0.225 χ^2/NDF: 773011.1/55

- sign 1790.201+/-0.318 χ^2/NDF: 440954.9/28



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -1566.291+/-1239.921 χ^2/NDF:9.3/10

Right Out: -115.917+/-512.289 χ^2/NDF: 18.6/18

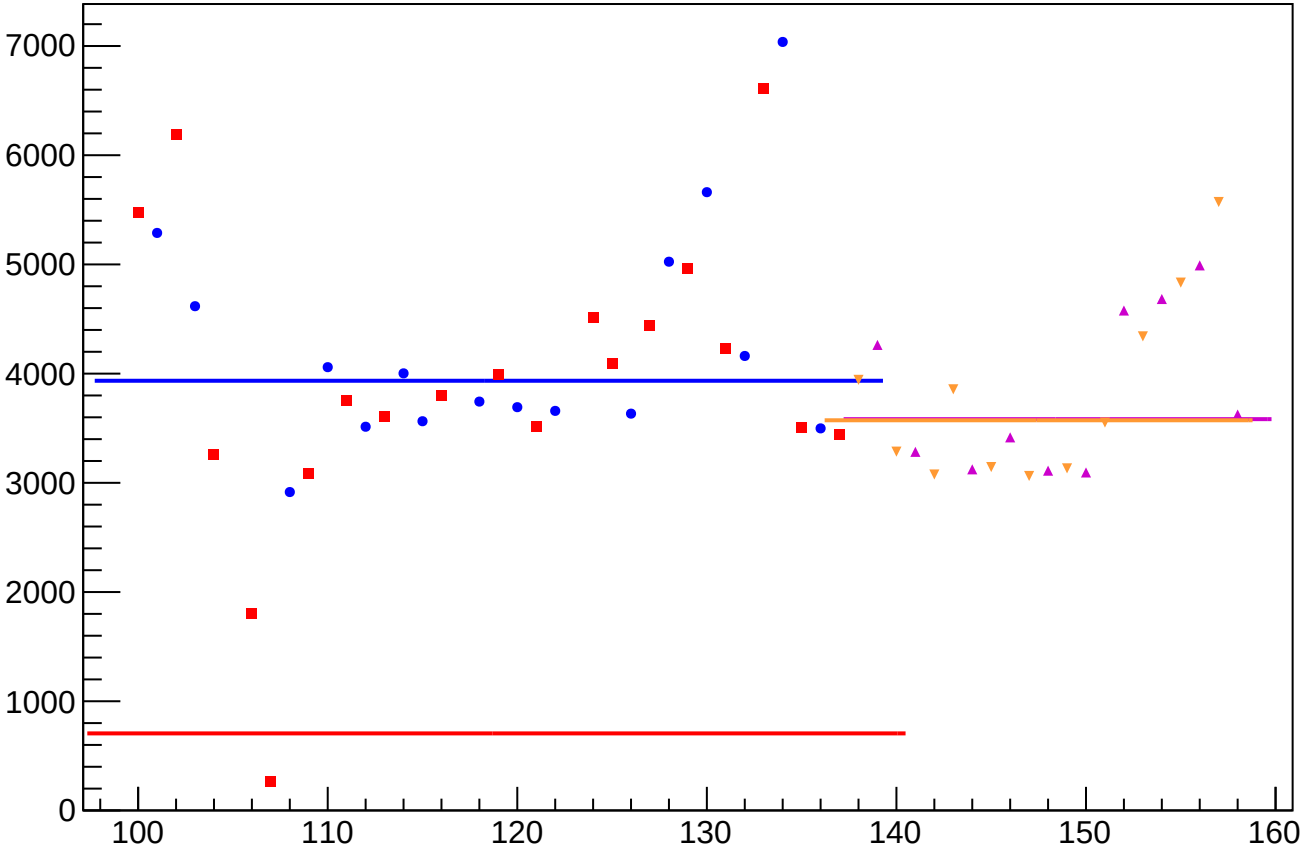
Left In: 756.322+/-1234.083 χ^2/NDF:4.7/9

+ sign -455.244+/-956.236 χ^2/NDF: 25.0/26

All: -79.657+/-424.070 χ^2/NDF: 48.9/55

- sign 12.296+/-473.142 χ^2/NDF: 23.7/28

asym_atl1r2_dd_eigen_cor_correction_rms vs Slug



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3572.833+/-0.877 χ^2/NDF:537065.6/10

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

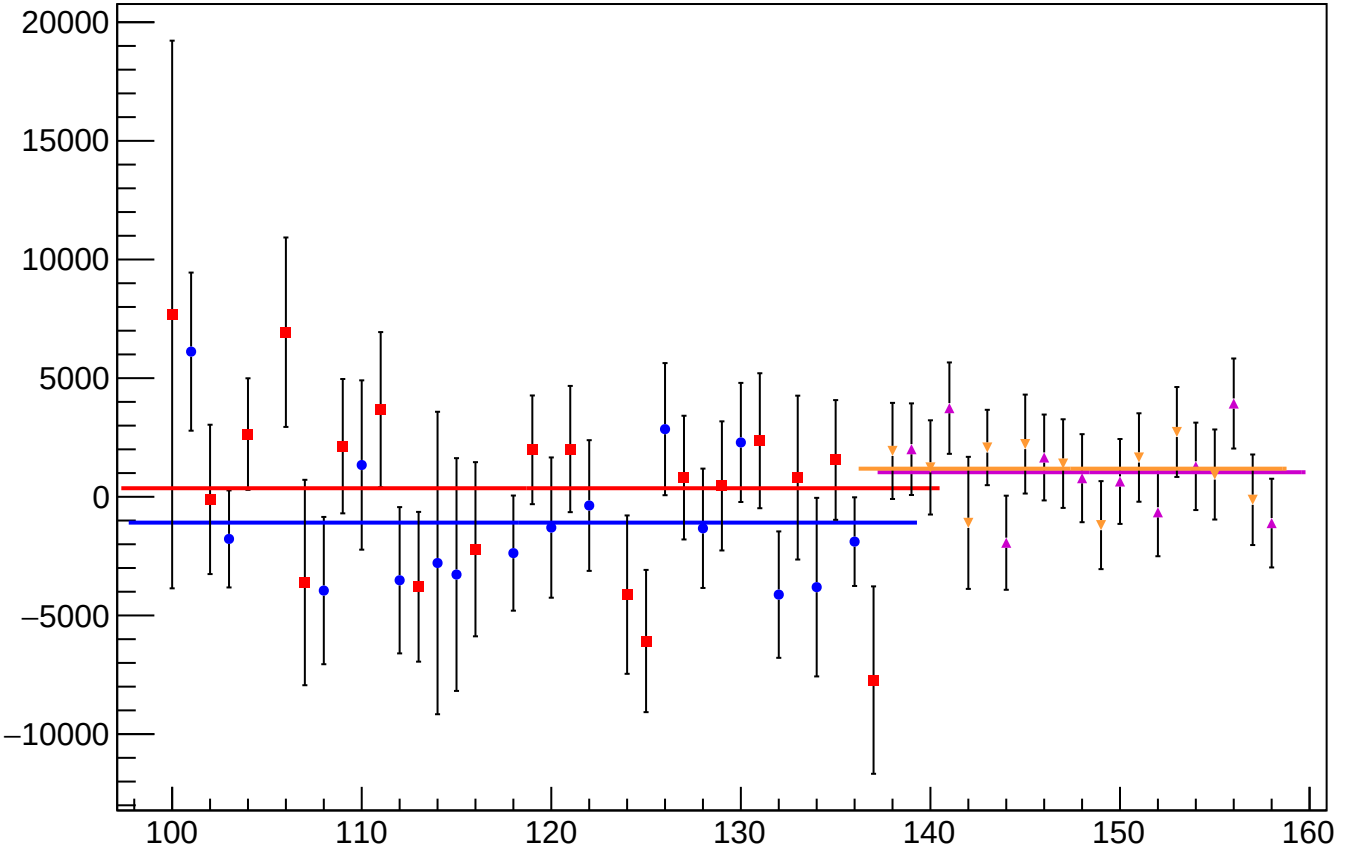
Left In: 3583.247+/-0.873 χ^2/NDF:491510.6/9

+ sign 3719.487+/-0.676 χ^2/NDF: 1166258.0/26

All: 1638.166+/-0.300 χ^2/NDF: 33475711.1/5

- sign 1128.609+/-0.335 χ^2/NDF: 20514773.7/28

dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.731+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1185.830+/-582.266 χ^2/NDF:4.3/10

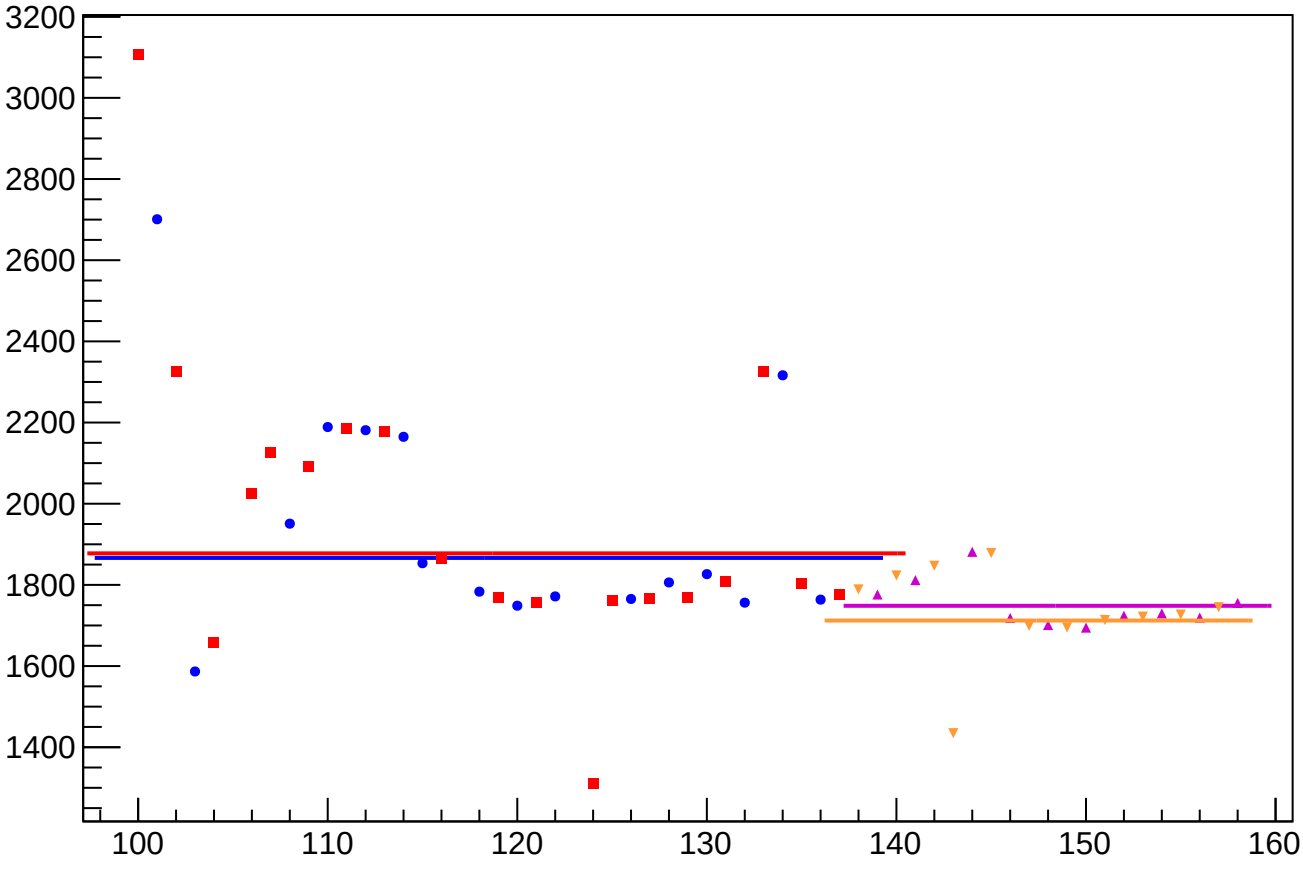
Right Out: 361.218+/-699.665 χ^2/NDF: 20.8/18

Left In: 1035.656+/-592.230 χ^2/NDF:9.1/9

\+ sign 255.395+/-447.535 χ^2/NDF: 23.7/26

All: 502.271+/-318.034 χ^2/NDF: 54.8/55

\- sign 754.138+/-452.035 χ^2/NDF: 30.5/28



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1712.157+/-0.412 χ^2/NDF:88710.6/10

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

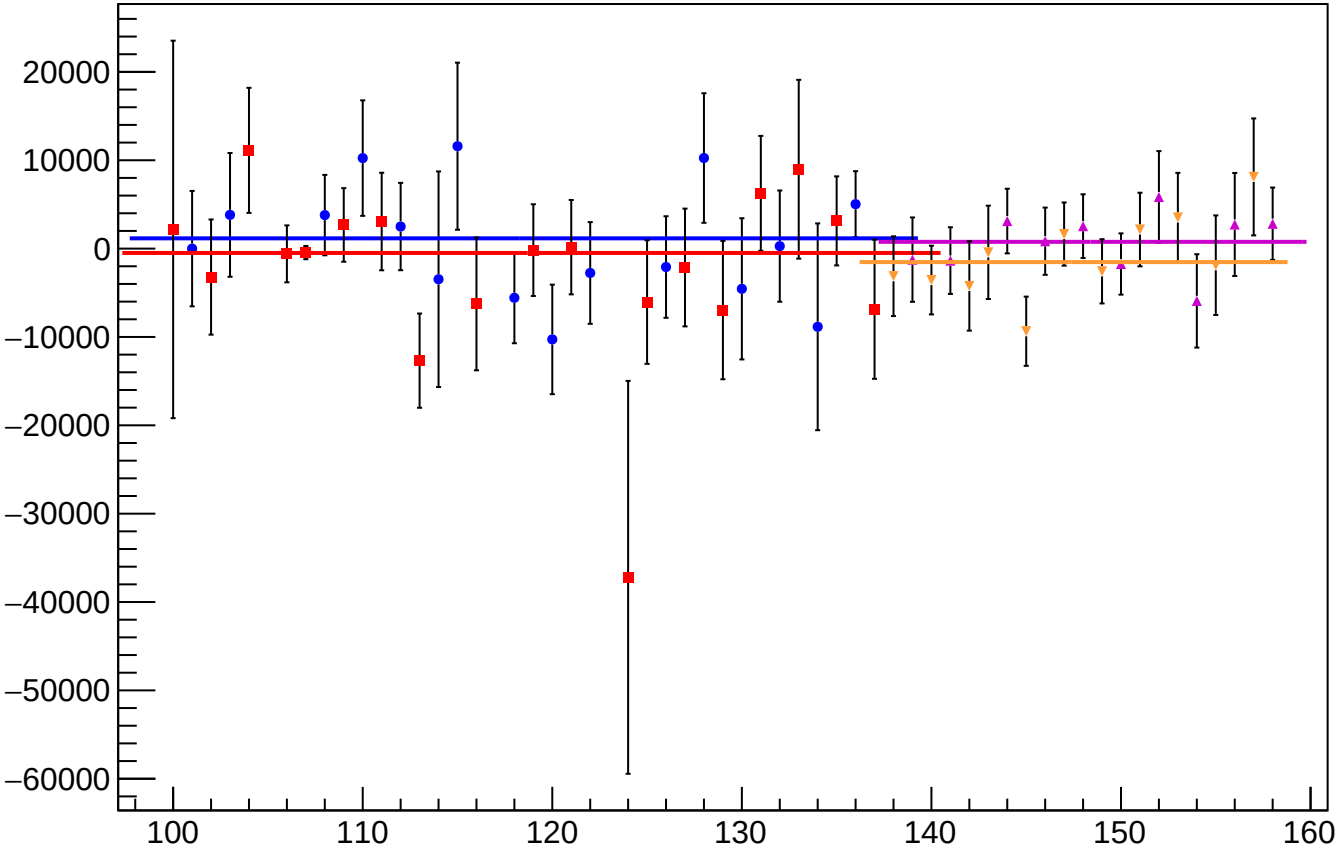
Left In: 1748.499+/-0.419 χ^2/NDF:16287.5/9

+ sign 1775.302+/-0.316 χ^2/NDF: 402449.9/26

All: 1788.752+/-0.225 χ^2/NDF: 713981.2/55

- sign 1802.463+/-0.320 χ^2/NDF: 307883.5/28

asym_atl1r2_dd_dit_correction_mean vs Slug



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -1526.876+/-1335.759 χ^2/NDF:9.5/10

Right Out: -492.907+/-658.510 χ^2/NDF: 16.9/18

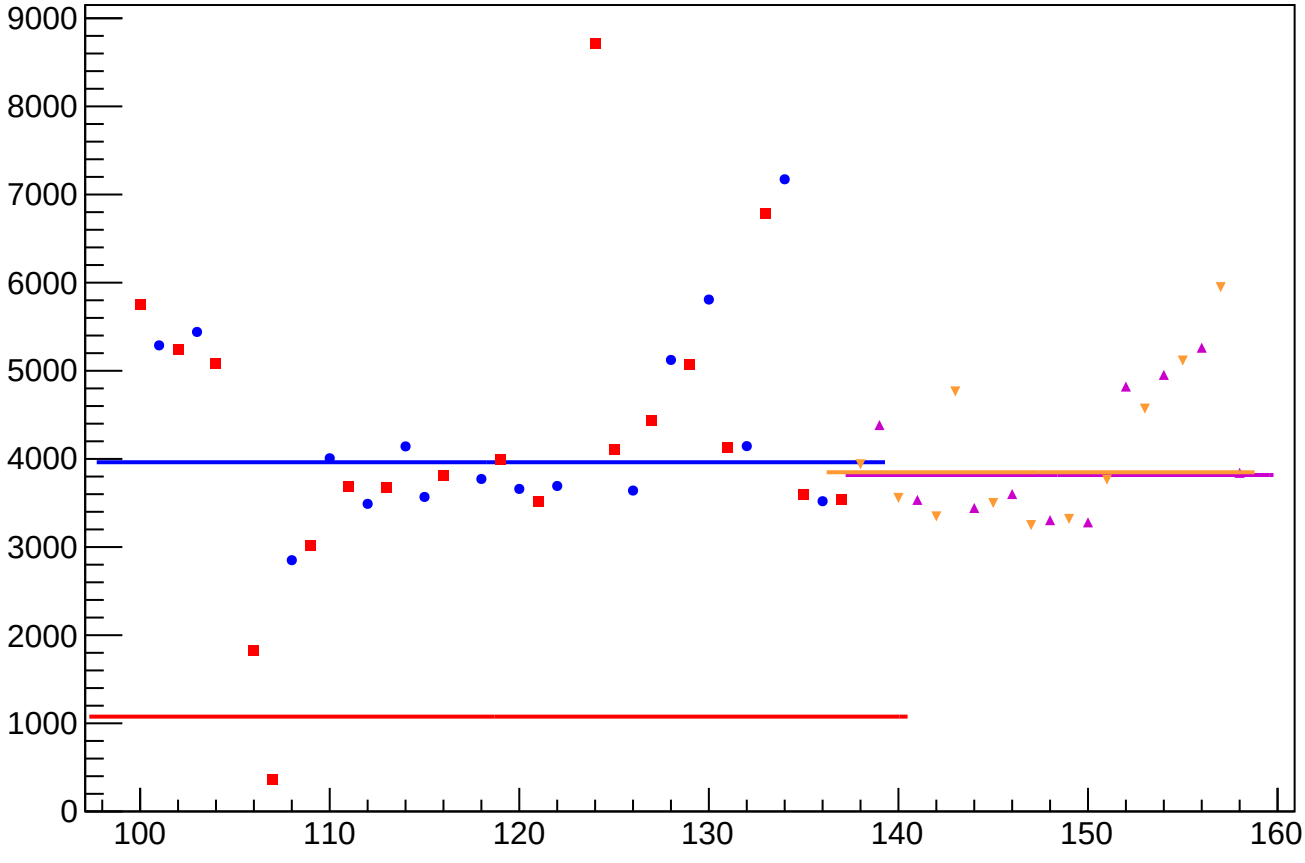
Left In: 765.426+/-1313.048 χ^2/NDF:4.6/9

+ sign -348.792+/-1001.129 χ^2/NDF: 24.9/26

All: -267.965+/-507.422 χ^2/NDF: 47.2/55

- sign -240.022+/-588.633 χ^2/NDF: 22.3/28

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 3848.753+/-0.945 χ^2/NDF:550750.9/10

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

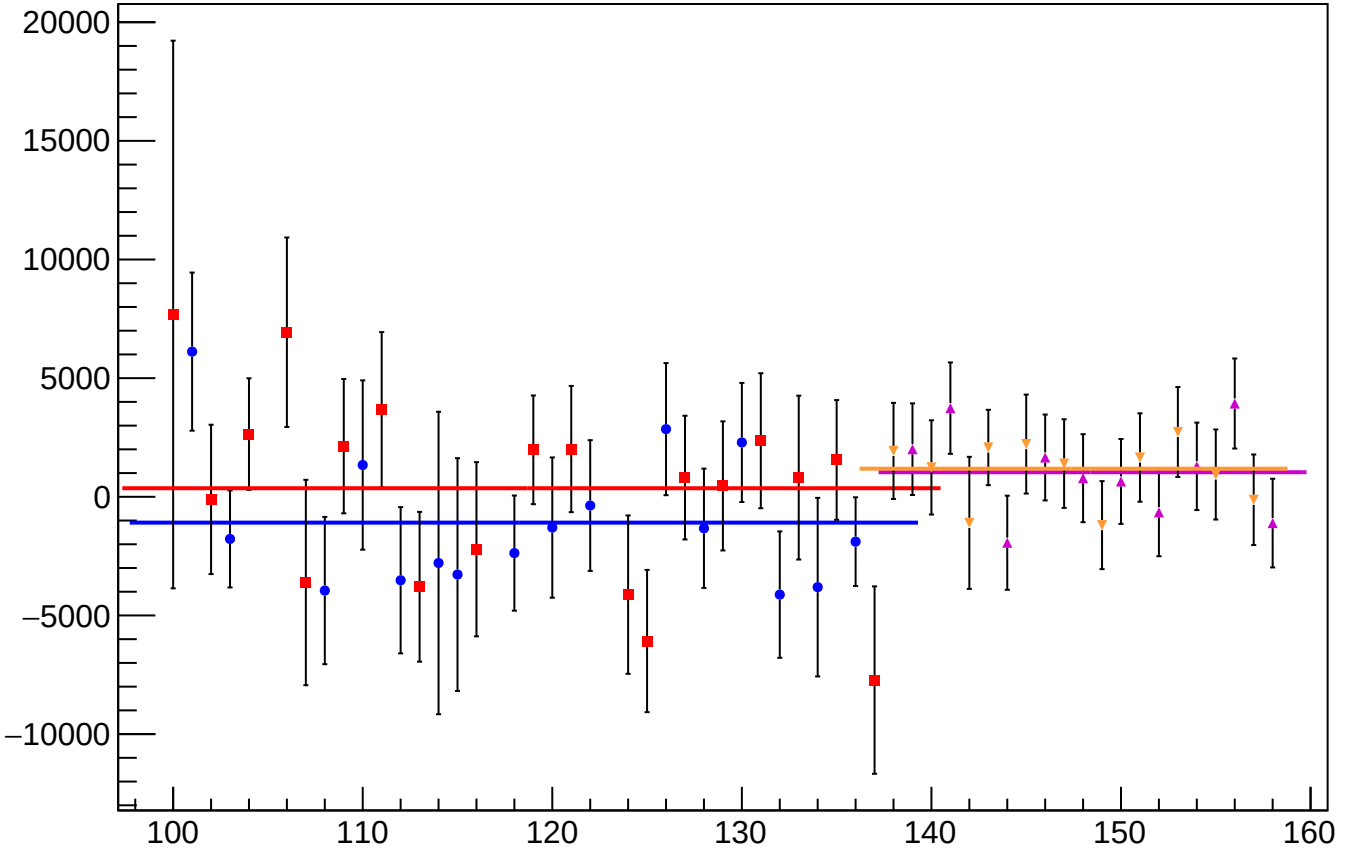
Left In: 3817.487+/-0.928 χ^2/NDF:445005.6/9

+ sign 3898.548+/-0.708 χ^2/NDF: 1225432.0/26

All: 2210.492+/-0.359 χ^2/NDF: 25847362.4/5

- sign 1626.918+/-0.416 χ^2/NDF: 16969940.8/28

eigen_dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.736+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1185.831+/-582.266 χ^2/NDF:4.3/10

Right Out: 361.223+/-699.665 χ^2/NDF: 20.8/18

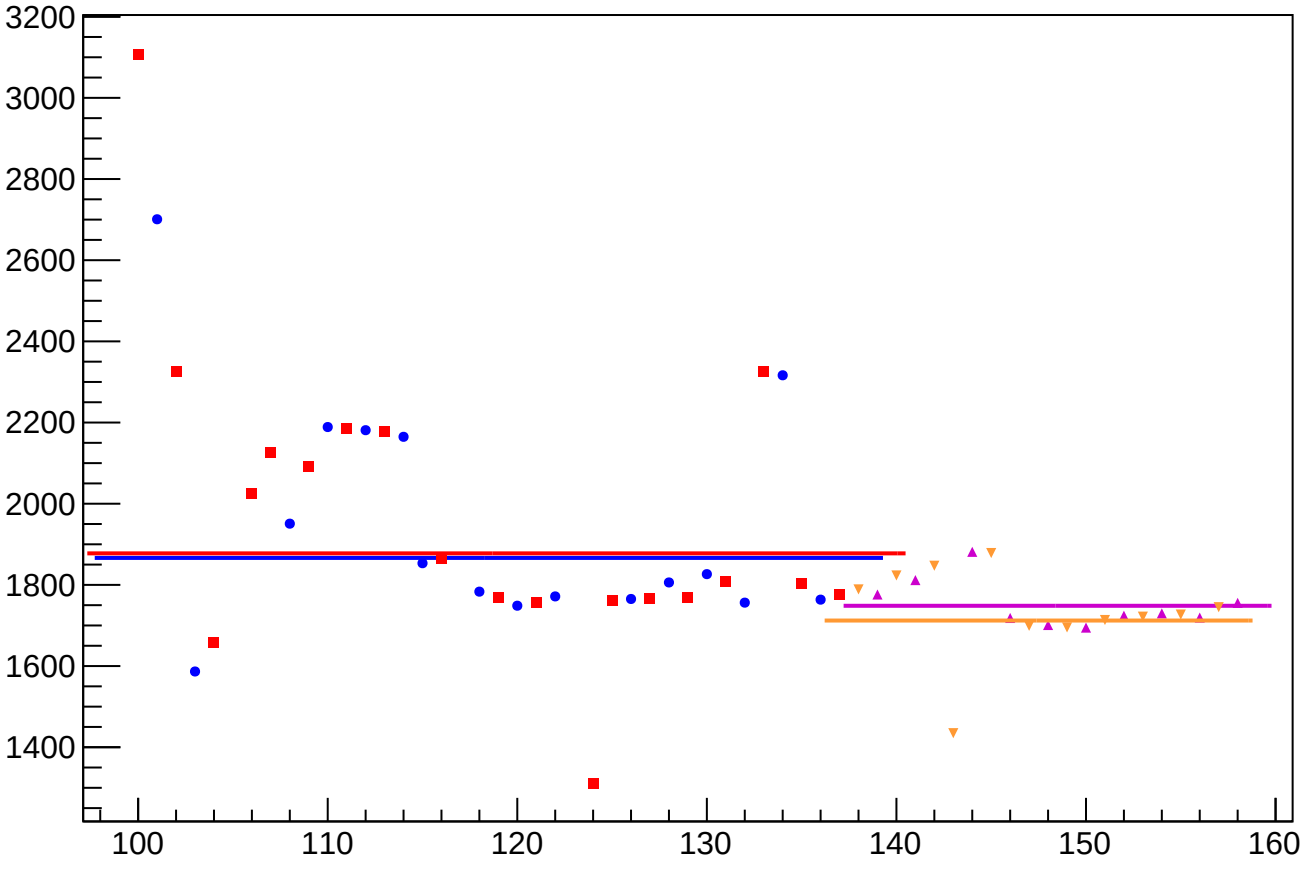
Left In: 1035.654+/-592.231 χ^2/NDF:9.1/9

\+ sign 255.393+/-447.535 χ^2/NDF: 23.7/26

All: 502.271+/-318.034 χ^2/NDF: 54.8/55

\- sign 754.139+/-452.035 χ^2/NDF: 30.5/28

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1712.157+/-0.412 χ^2/NDF:88709.7/10

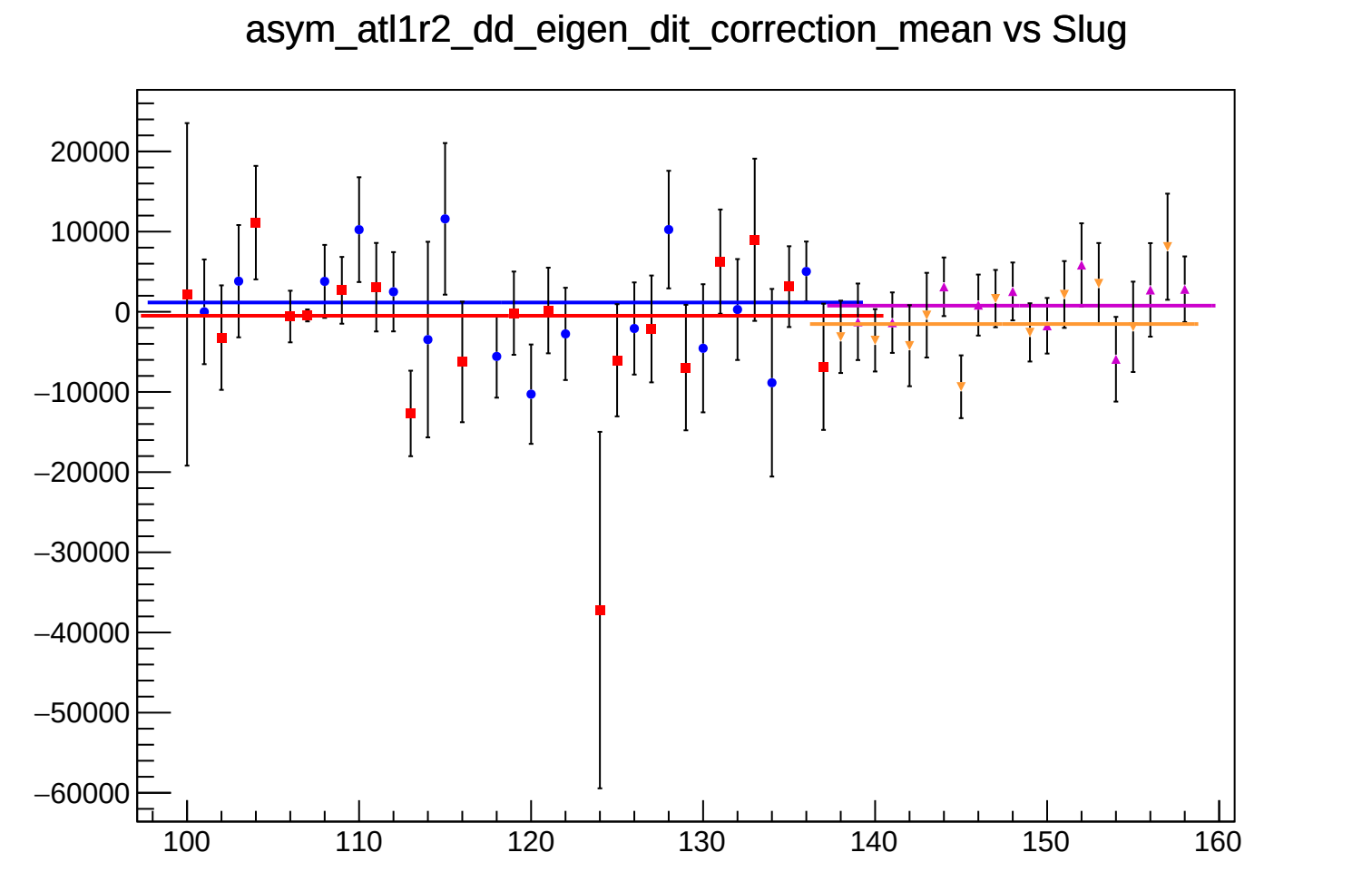
Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1748.499+/-0.419 χ^2/NDF:16287.4/9

+ sign 1775.303+/-0.316 χ^2/NDF: 402448.2/26

All: 1788.752+/-0.225 χ^2/NDF: 713979.3/55

- sign 1802.464+/-0.320 χ^2/NDF: 307883.4/28



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -1526.876+/-1335.760 χ^2/NDF:9.5/10

Right Out: -492.914+/-658.521 χ^2/NDF: 16.9/18

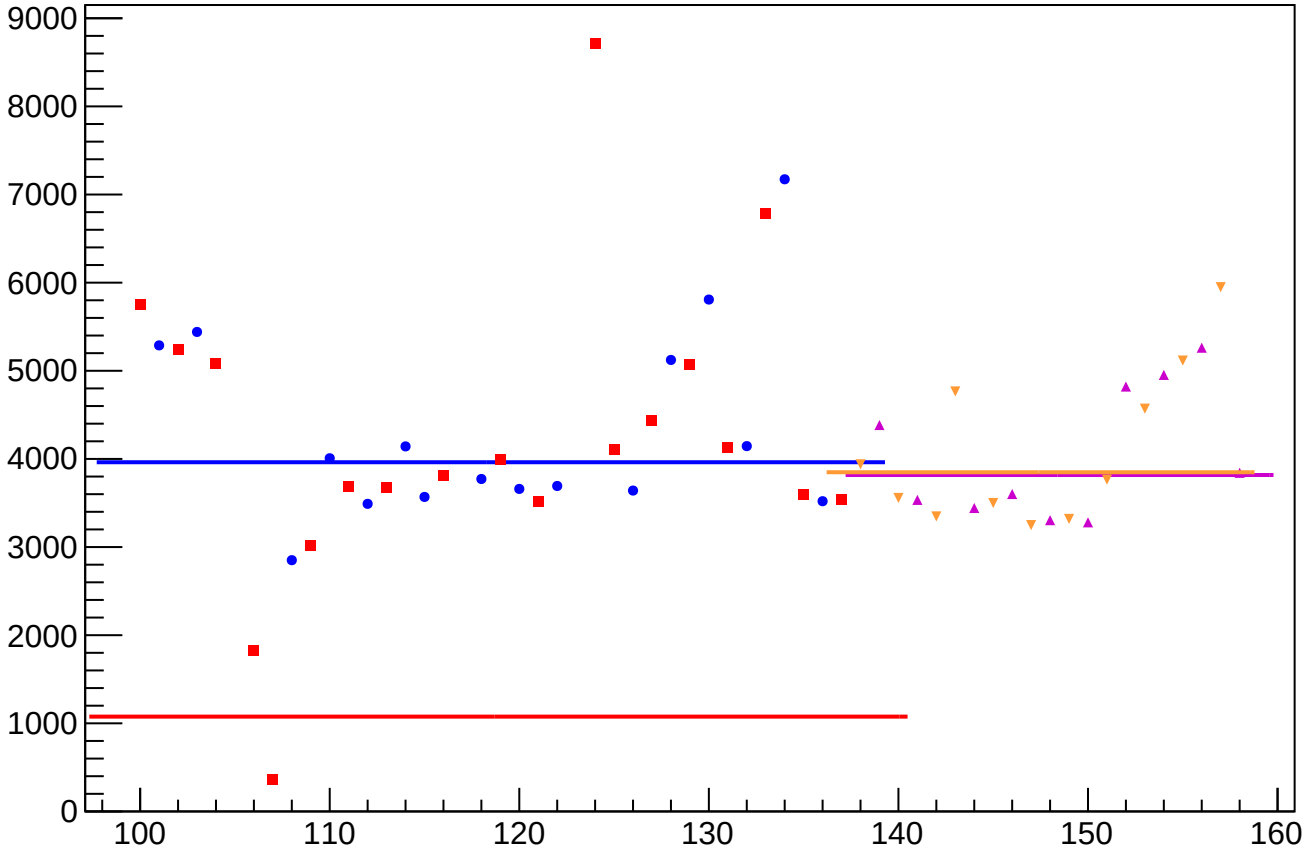
Left In: 765.424+/-1313.050 χ^2/NDF:4.6/9

\+ sign -348.797+/-1001.128 χ^2/NDF: 24.9/26

All: -267.966+/-507.427 χ^2/NDF: 47.2/55

\- sign -240.022+/-588.641 χ^2/NDF: 22.3/28

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 3848.757+/-0.945 χ^2/NDF:550748.4/10

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

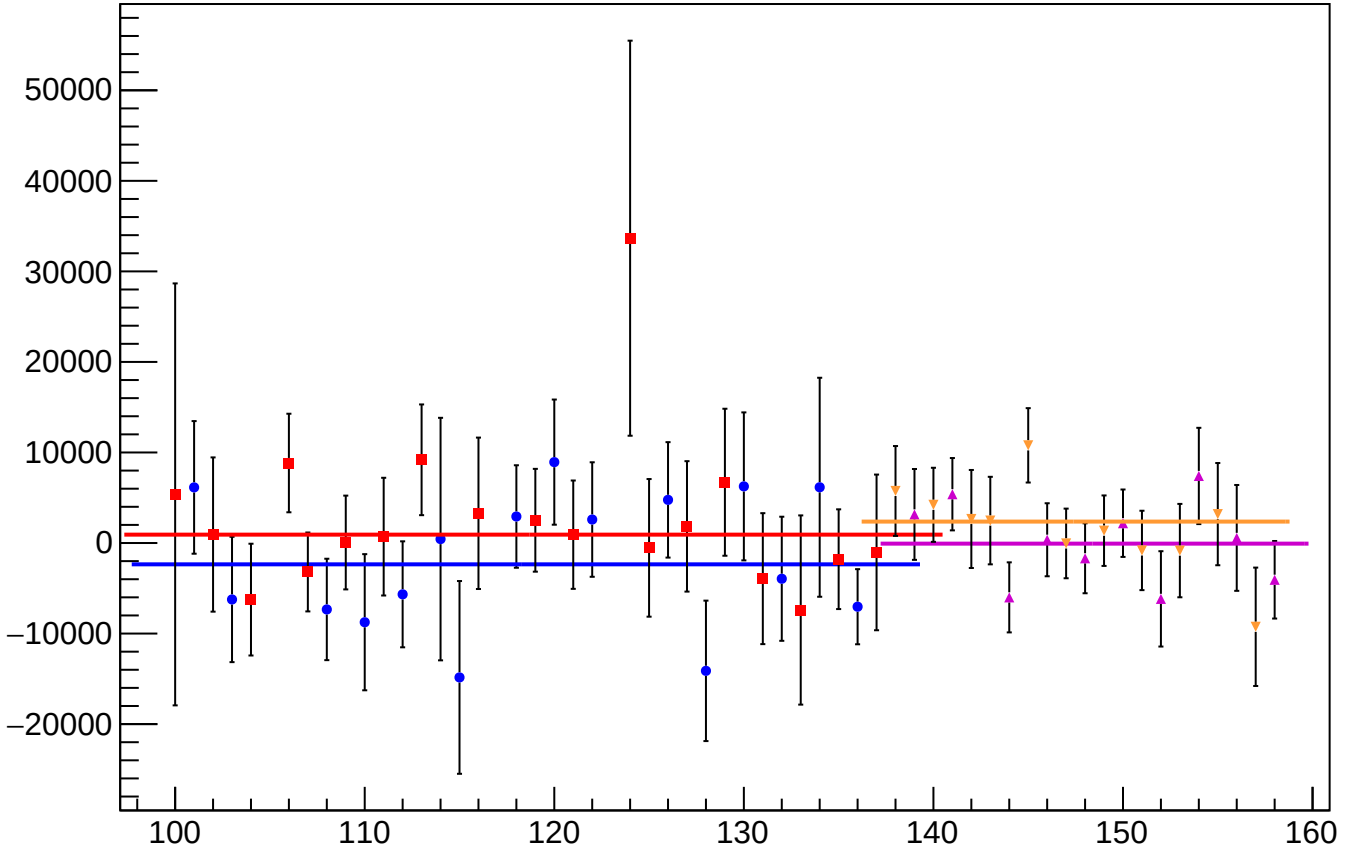
Left In: 3817.492+/-0.928 χ^2/NDF:445003.9/9

+ sign 3898.547+/-0.708 χ^2/NDF: 1225424.7/26

All: 2210.533+/-0.359 χ^2/NDF: 25846718.0/5

- sign 1626.957+/-0.416 χ^2/NDF: 16969618.5/28

asym_atl1r2_dd_mean vs Slug



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 2366.378+/-1393.981 χ^2/NDF:9.4/10

Right Out: 924.896+/-1546.889 χ^2/NDF: 10.6/18

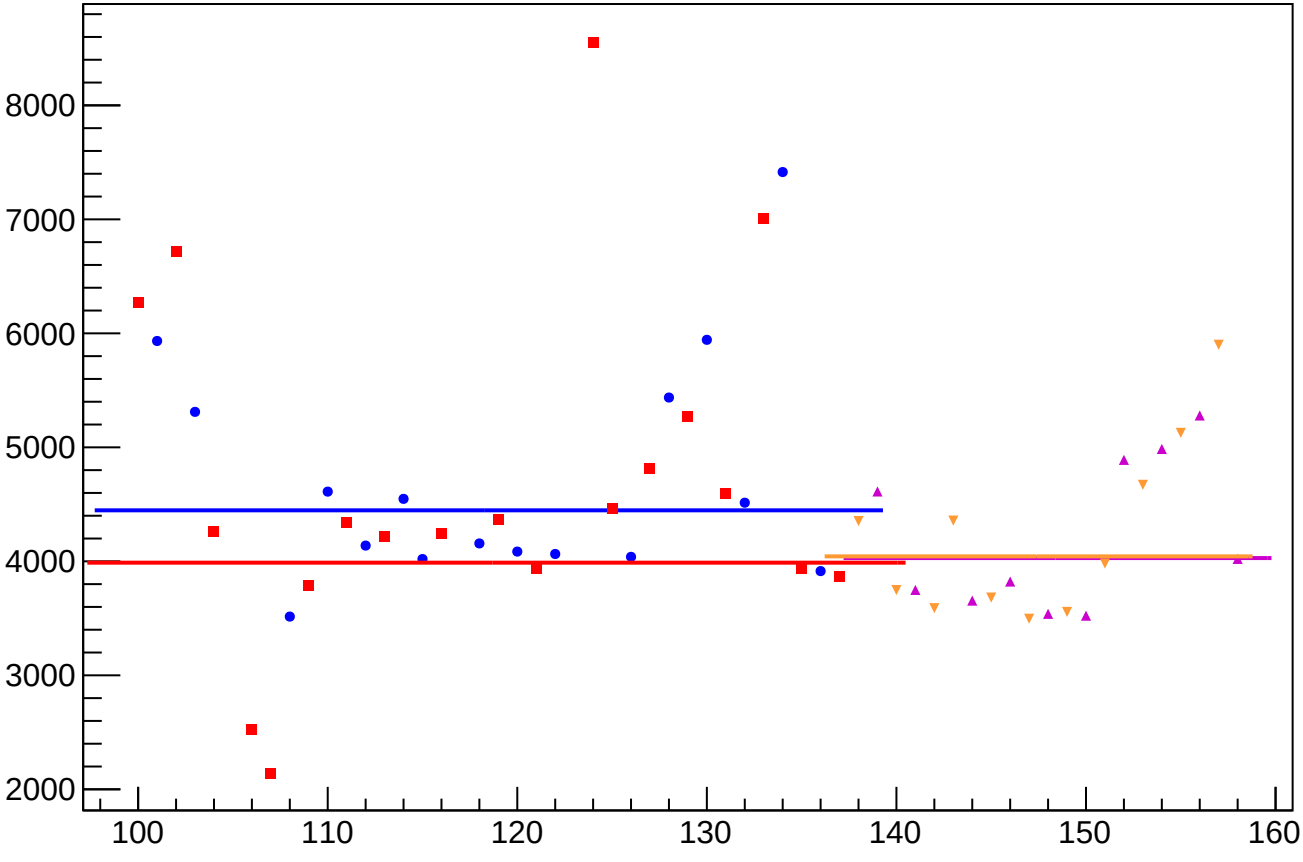
Left In: -69.050+/-1379.880 χ^2/NDF:9.4/9

+ sign 447.761+/-1074.017 χ^2/NDF: 29.6/26

All: 407.968+/-743.290 χ^2/NDF: 49.9/55

- sign 371.390+/-1029.725 χ^2/NDF: 20.2/28

asym_atl1r2_dd_rms vs Slug



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 4043.552+/-0.986 χ^2/NDF:393070.7/10

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

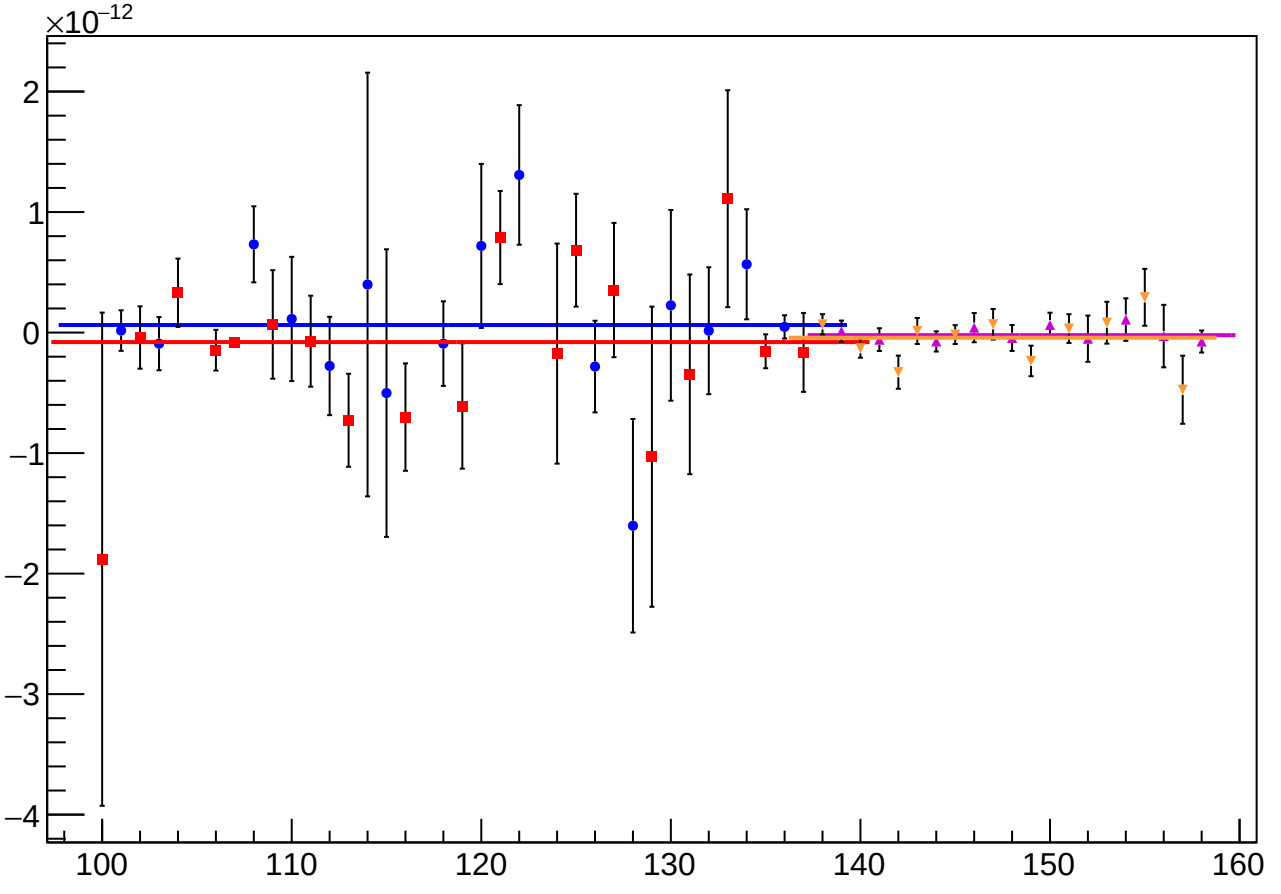
Left In: 4028.616+/-0.976 χ^2/NDF:339677.3/9

+ sign 4207.678+/-0.759 χ^2/NDF: 919545.9/26

All: 4104.518+/-0.524 χ^2/NDF: 2439184.8/55

- sign 4010.529+/-0.725 χ^2/NDF: 1484376.5/28

asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 17.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.0/10

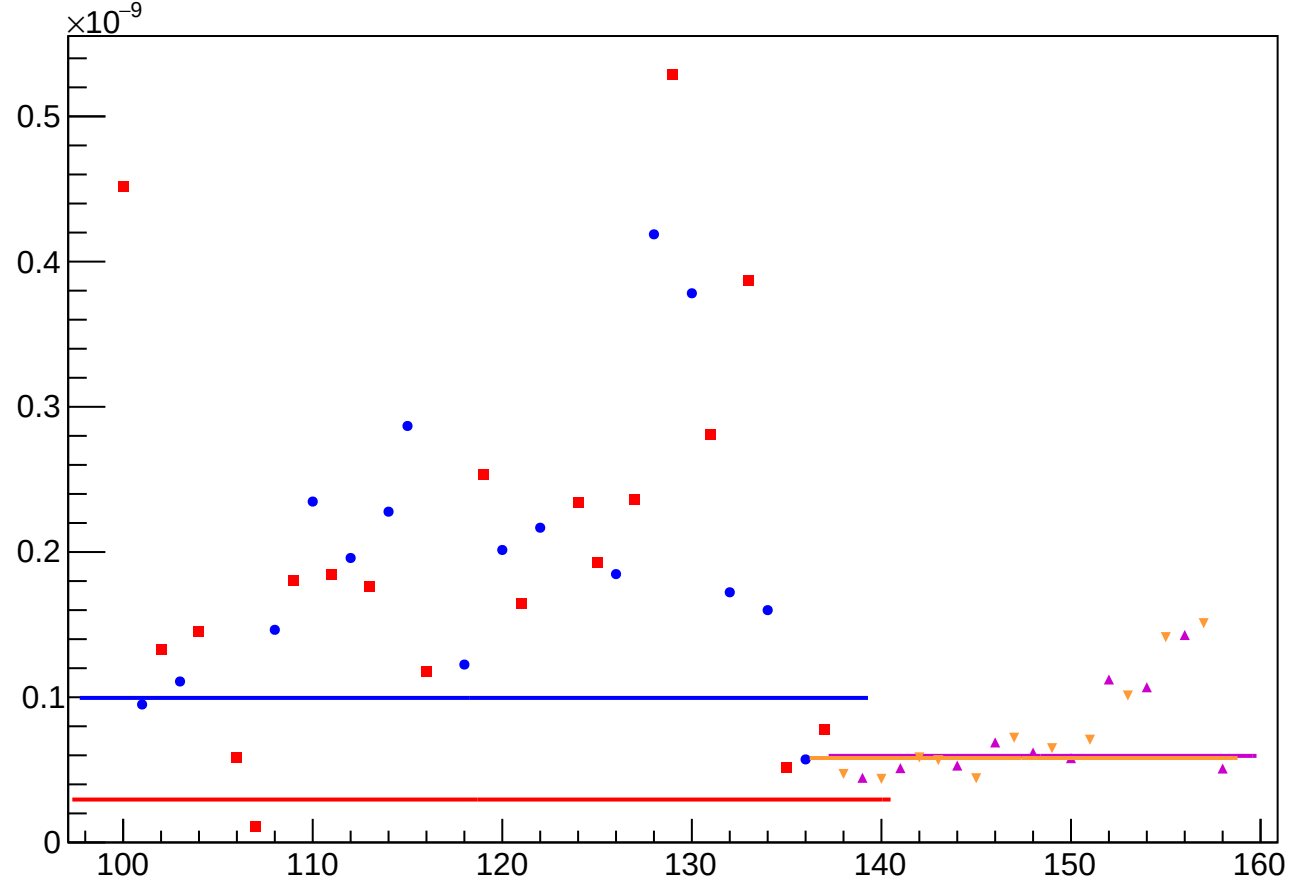
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/18

Left In: -0.000+/-0.000 χ^2/NDF:2.6/9

+ sign -0.000+/-0.000 χ^2/NDF: 35.4/26

All: -0.000+/-0.000 χ^2/NDF: 60.0/55

- sign -0.000+/-0.000 χ^2/NDF: 24.1/28



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:804986.2/10

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

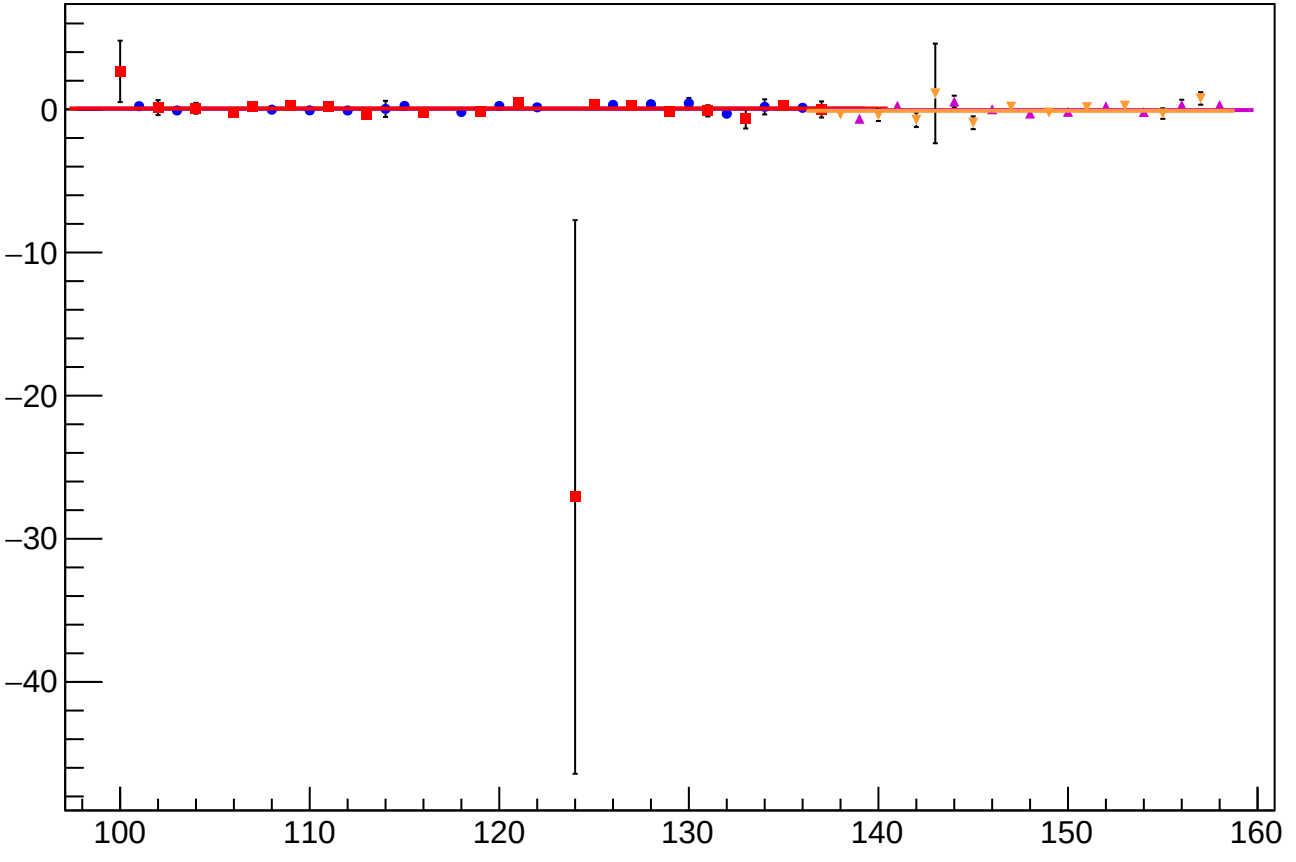
Left In: 0.000+/-0.000 χ^2/NDF:618103.4/9

+ sign 0.000+/-0.000 χ^2/NDF: 2959129.2/26

All: 0.000+/-0.000 χ^2/NDF: 9393633.6/55

- sign 0.000+/-0.000 χ^2/NDF: 5762088.7/28

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.099+/-0.109 χ^2/NDF:13.7/10

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

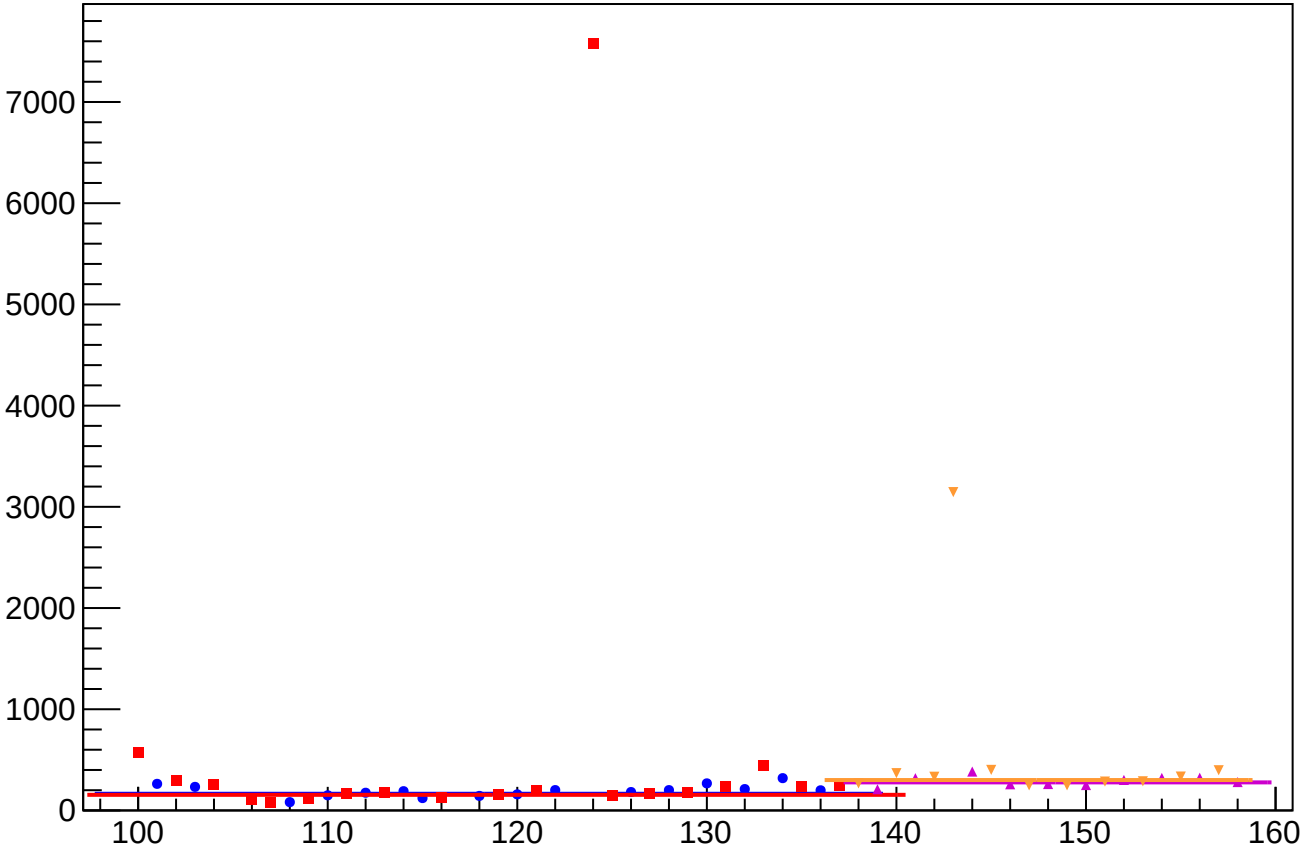
Left In: -0.049+/-0.096 χ^2/NDF:13.5/9

+ sign 0.008+/-0.057 χ^2/NDF: 22.7/26

All: 0.018+/-0.039 χ^2/NDF: 55.5/55

- sign 0.027+/-0.053 χ^2/NDF: 32.8/28

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 300.430+/-0.077 χ^2/NDF:1794291.7/10

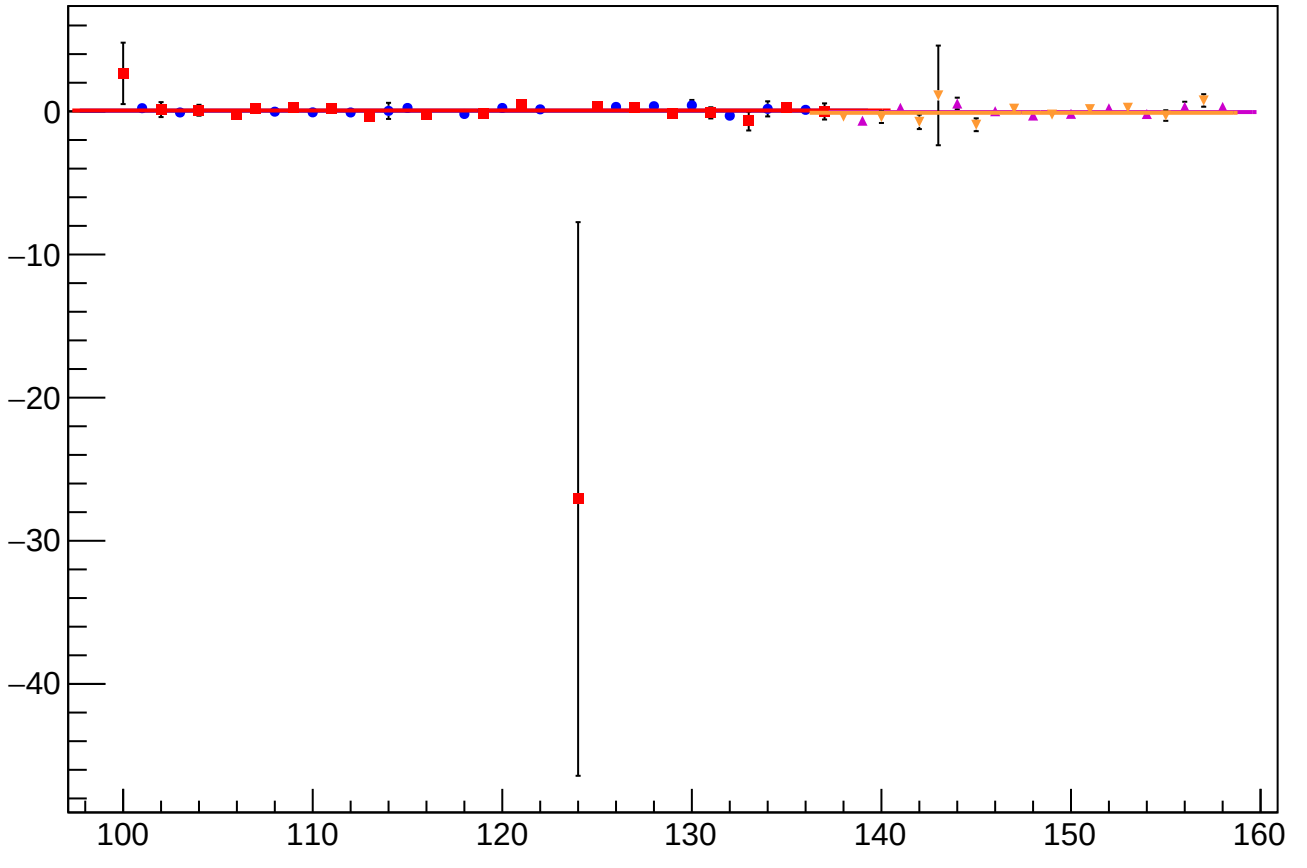
Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 277.296+/-0.068 χ^2/NDF:441459.9/9

+ sign 201.791+/-0.040 χ^2/NDF: 5539580.4/26

All: 196.890+/-0.027 χ^2/NDF: 10190556.8/55

- sign 192.520+/-0.038 χ^2/NDF: 4622653.4/28



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.099+/-0.109 χ^2/NDF:13.7/10

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

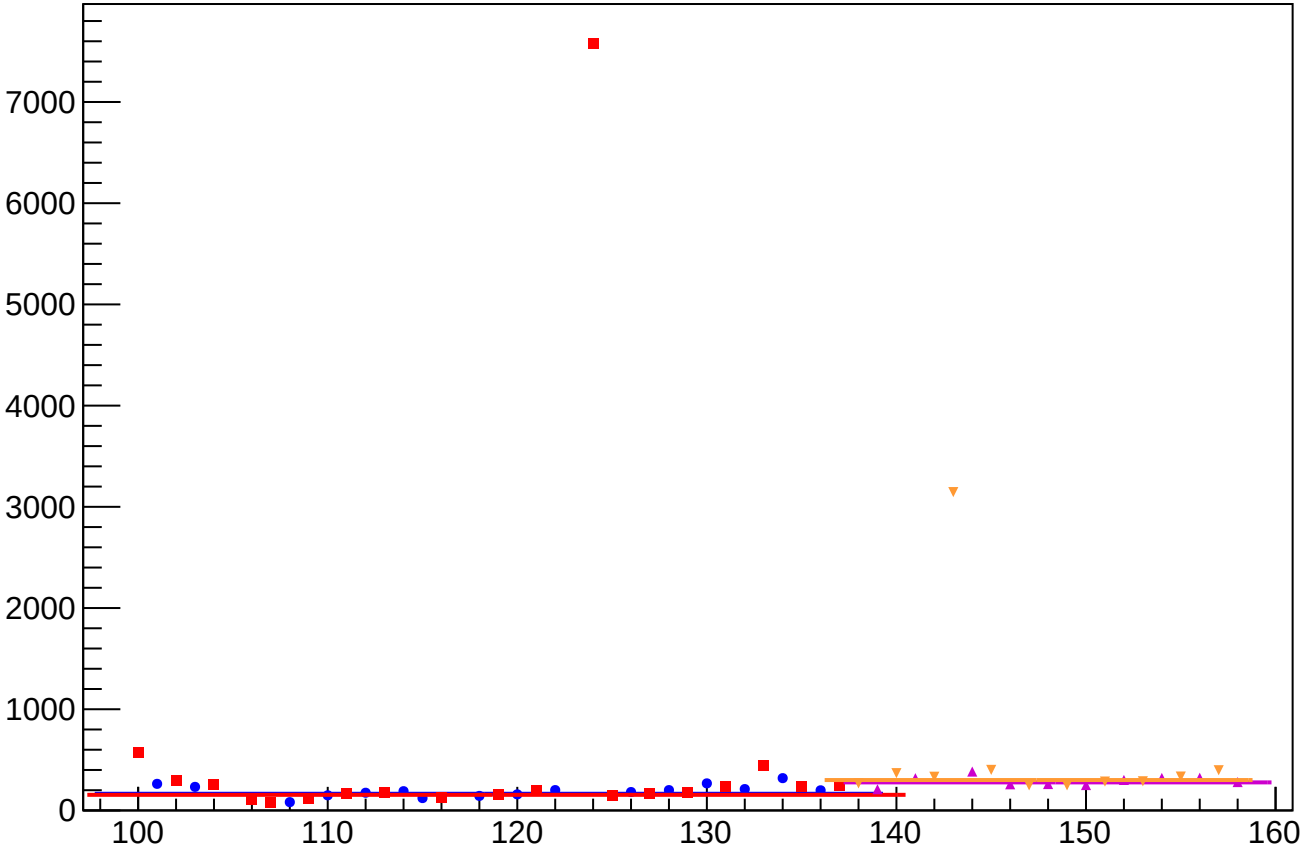
Left In: -0.049+/-0.096 χ^2/NDF:13.5/9

+ sign 0.008+/-0.057 χ^2/NDF: 22.7/26

All: 0.018+/-0.039 χ^2/NDF: 55.5/55

- sign 0.027+/-0.053 χ^2/NDF: 32.8/28

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 300.430+/-0.077 χ^2/NDF:1794291.7/10

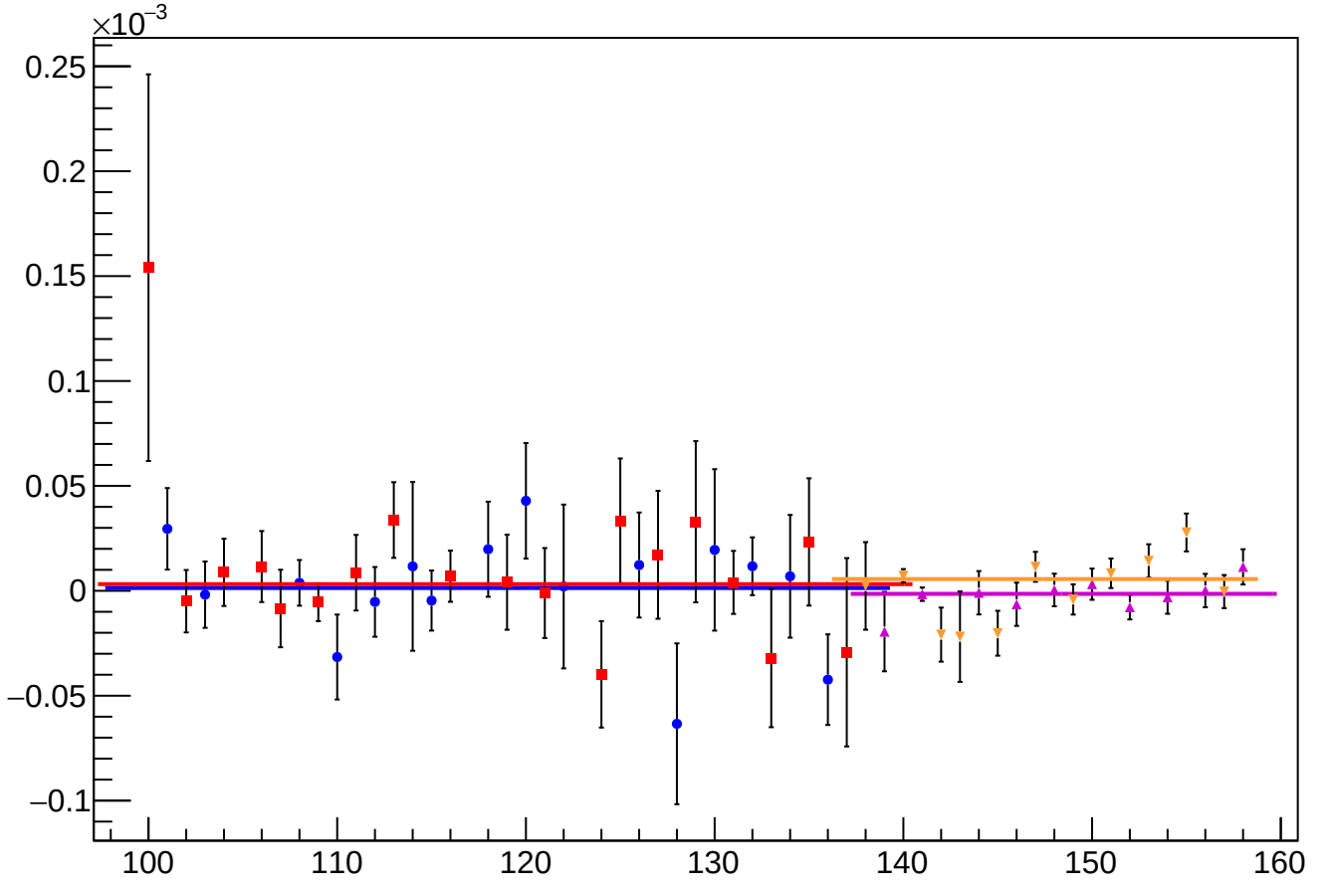
Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 277.296+/-0.068 χ^2/NDF:441459.9/9

+ sign 201.791+/-0.040 χ^2/NDF: 5539580.4/26

All: 196.890+/-0.027 χ^2/NDF: 10190556.8/55

- sign 192.520+/-0.038 χ^2/NDF: 4622653.4/28



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/10

Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

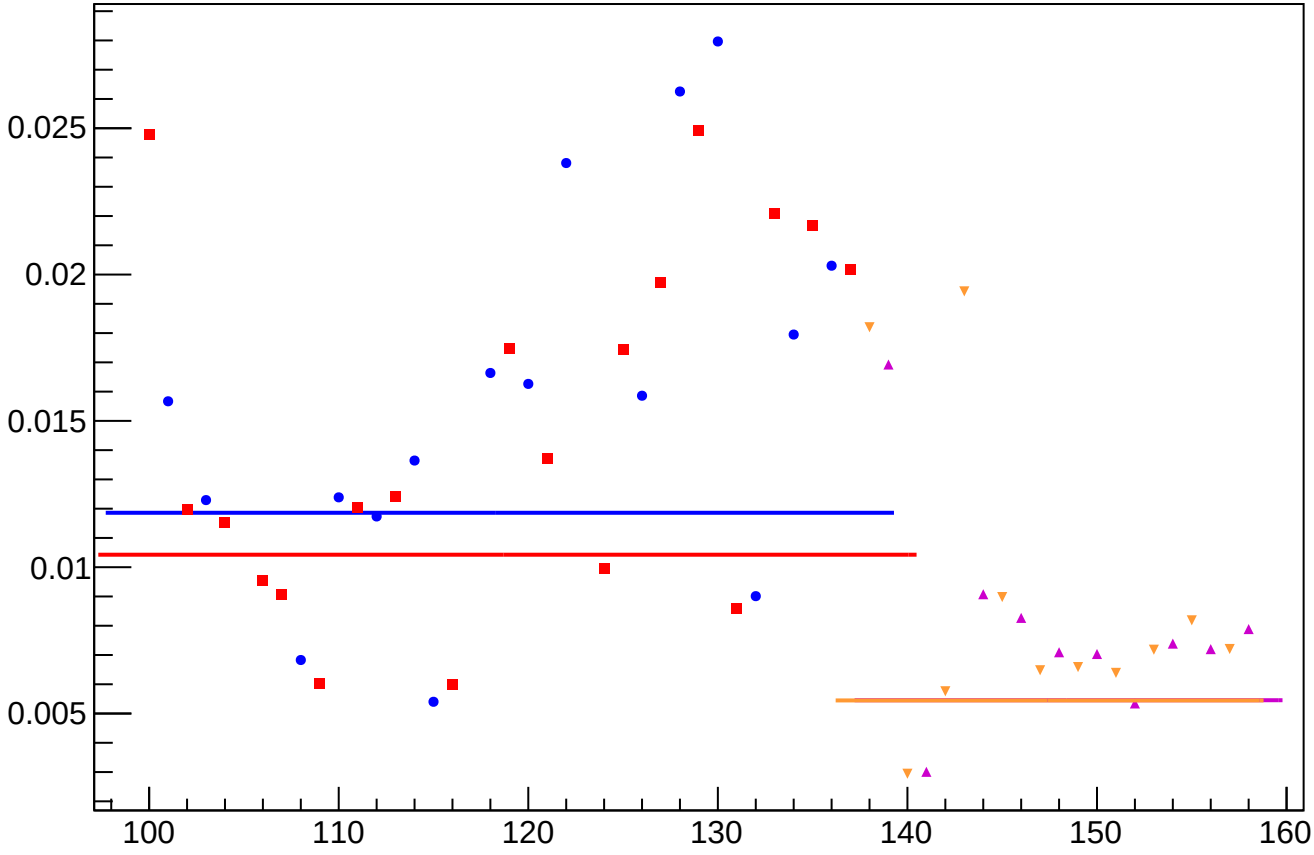
Left In: -0.000+/-0.000 χ^2/NDF:5.2/9

+ sign 0.000+/-0.000 χ^2/NDF: 39.2/26

All: 0.000+/-0.000 χ^2/NDF: 64.0/55

- sign -0.000+/-0.000 χ^2/NDF: 20.7/28

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 2407192.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:3529060.2/10

Right Out: 0.010+/-0.000 χ^2/NDF: 2355101.8/18

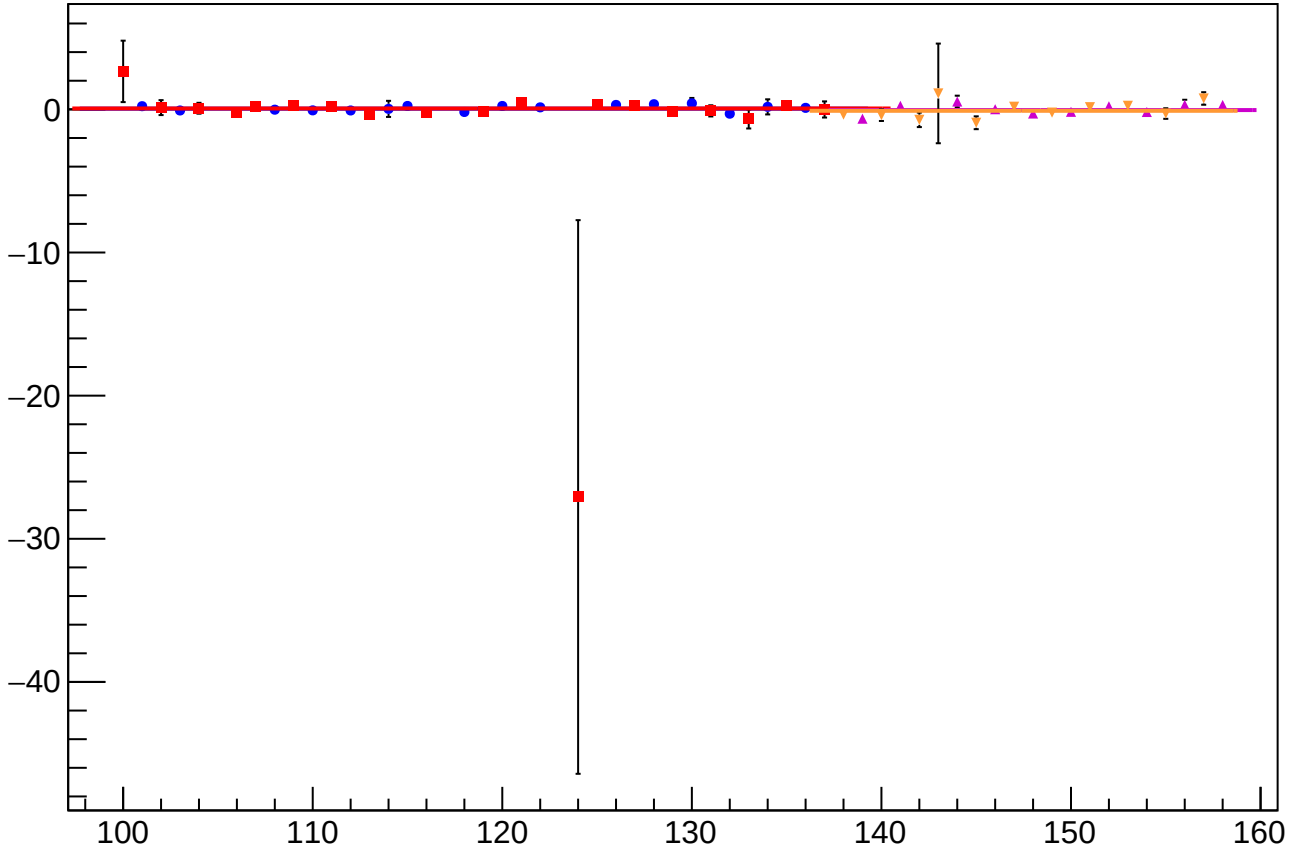
Left In: 0.005+/-0.000 χ^2/NDF:2859927.7/9

+ sign 0.006+/-0.000 χ^2/NDF: 8841231.1/26

All: 0.006+/-0.000 χ^2/NDF: 16271906.3/55

- sign 0.006+/-0.000 χ^2/NDF: 7429923.3/28

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.099+/-0.109 χ^2/NDF:13.7/10

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

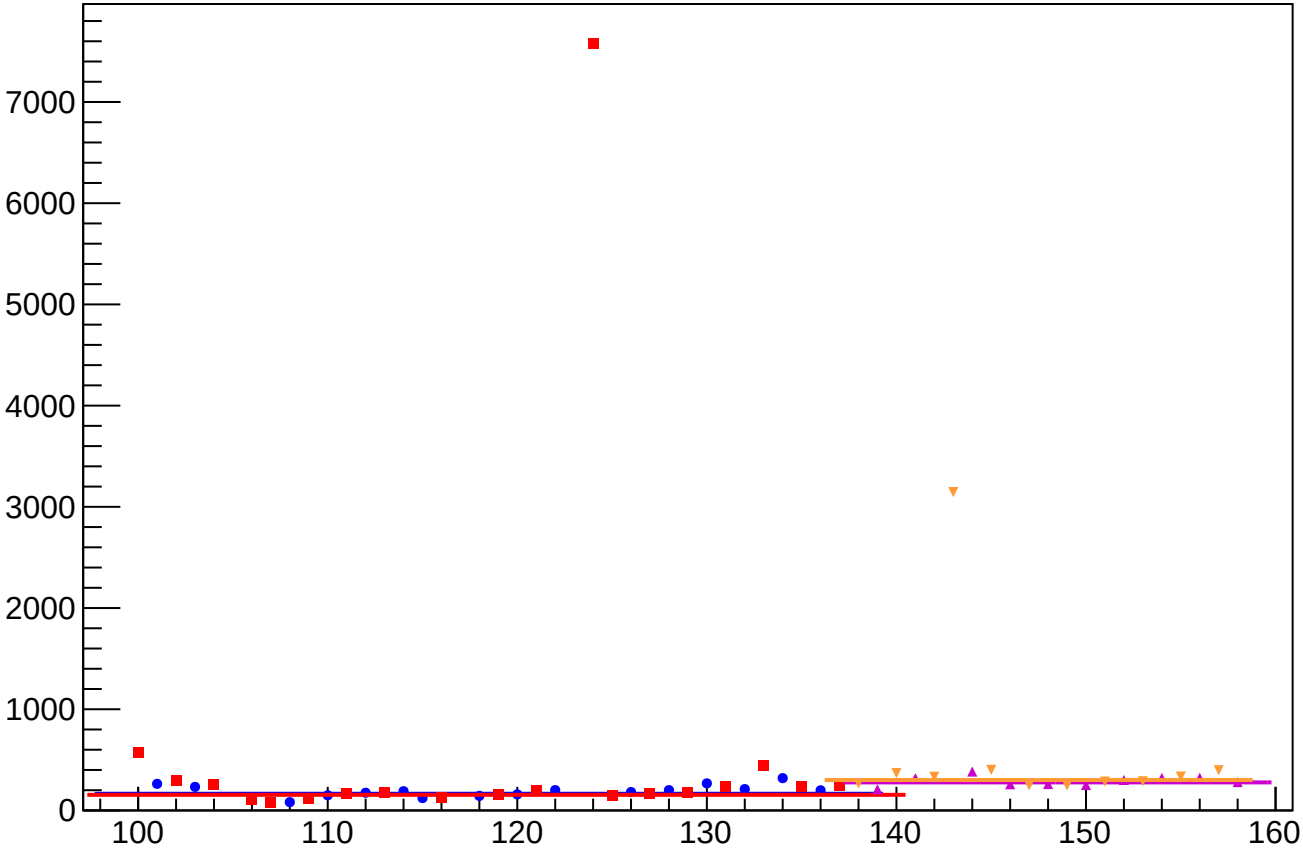
Left In: -0.049+/-0.096 χ^2/NDF:13.5/9

+ sign 0.008+/-0.057 χ^2/NDF: 22.7/26

All: 0.018+/-0.039 χ^2/NDF: 55.5/55

- sign 0.027+/-0.053 χ^2/NDF: 32.8/28

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 300.434+/-0.077 χ^2/NDF:1794264.7/10

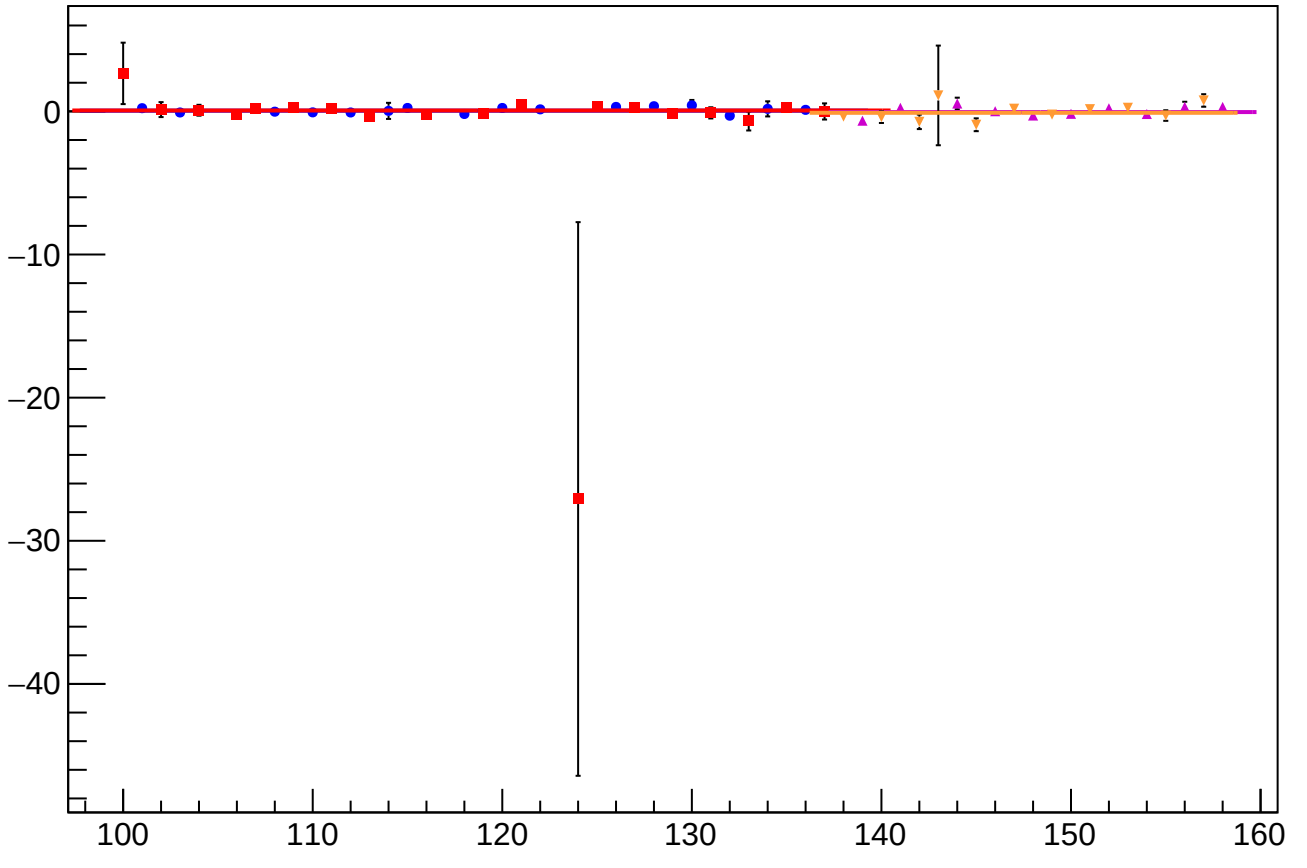
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 277.299+/-0.068 χ^2/NDF:441430.8/9

+ sign 201.791+/-0.040 χ^2/NDF: 5539618.3/26

All: 196.890+/-0.027 χ^2/NDF: 10190690.8/55

- sign 192.520+/-0.038 χ^2/NDF: 4622750.5/28



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.099+/-0.109 χ^2/NDF:13.7/10

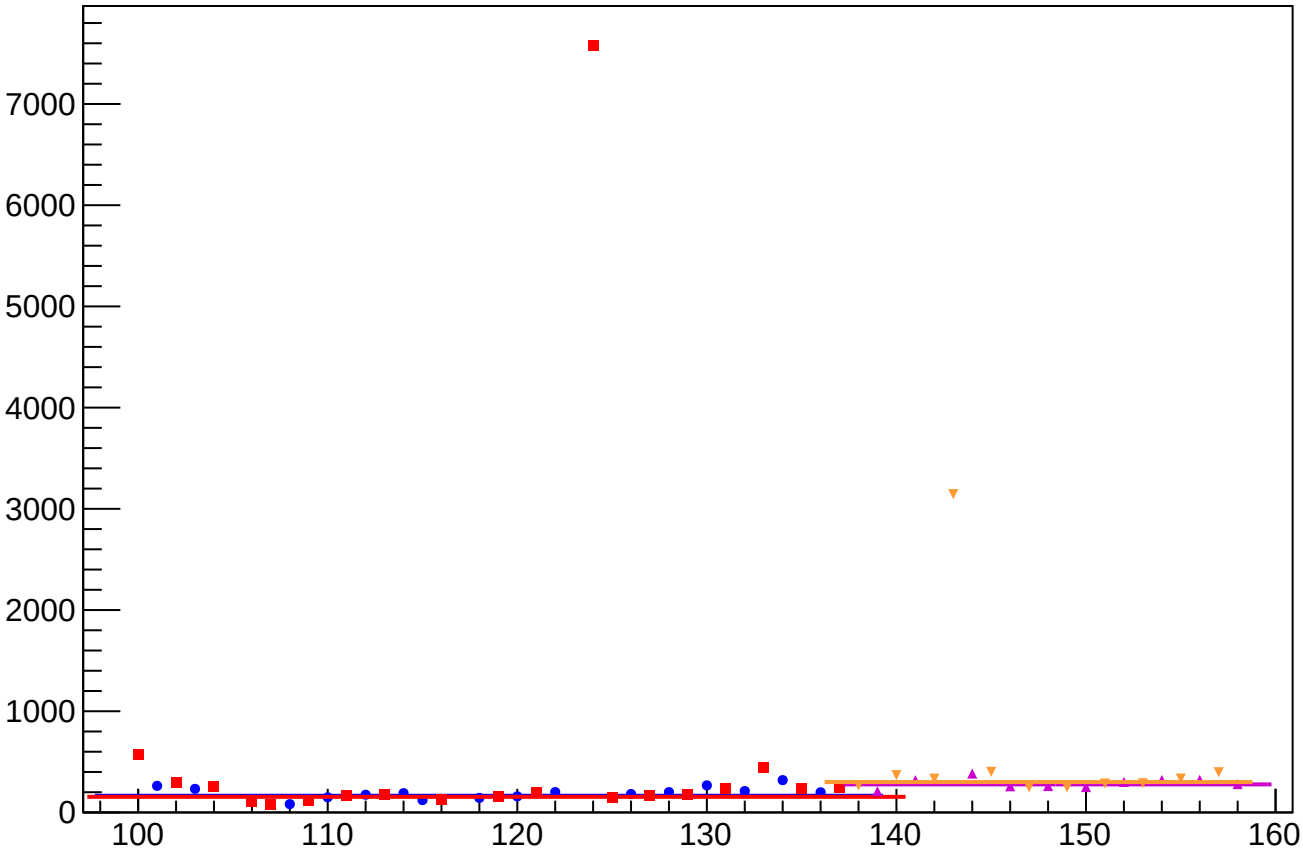
Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: -0.049+/-0.096 χ^2/NDF:13.5/9

+ sign 0.008+/-0.057 χ^2/NDF: 22.7/26

All: 0.018+/-0.039 χ^2/NDF: 55.5/55

- sign 0.027+/-0.053 χ^2/NDF: 32.8/28



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 300.434+/-0.077 χ^2/NDF:1794264.7/10

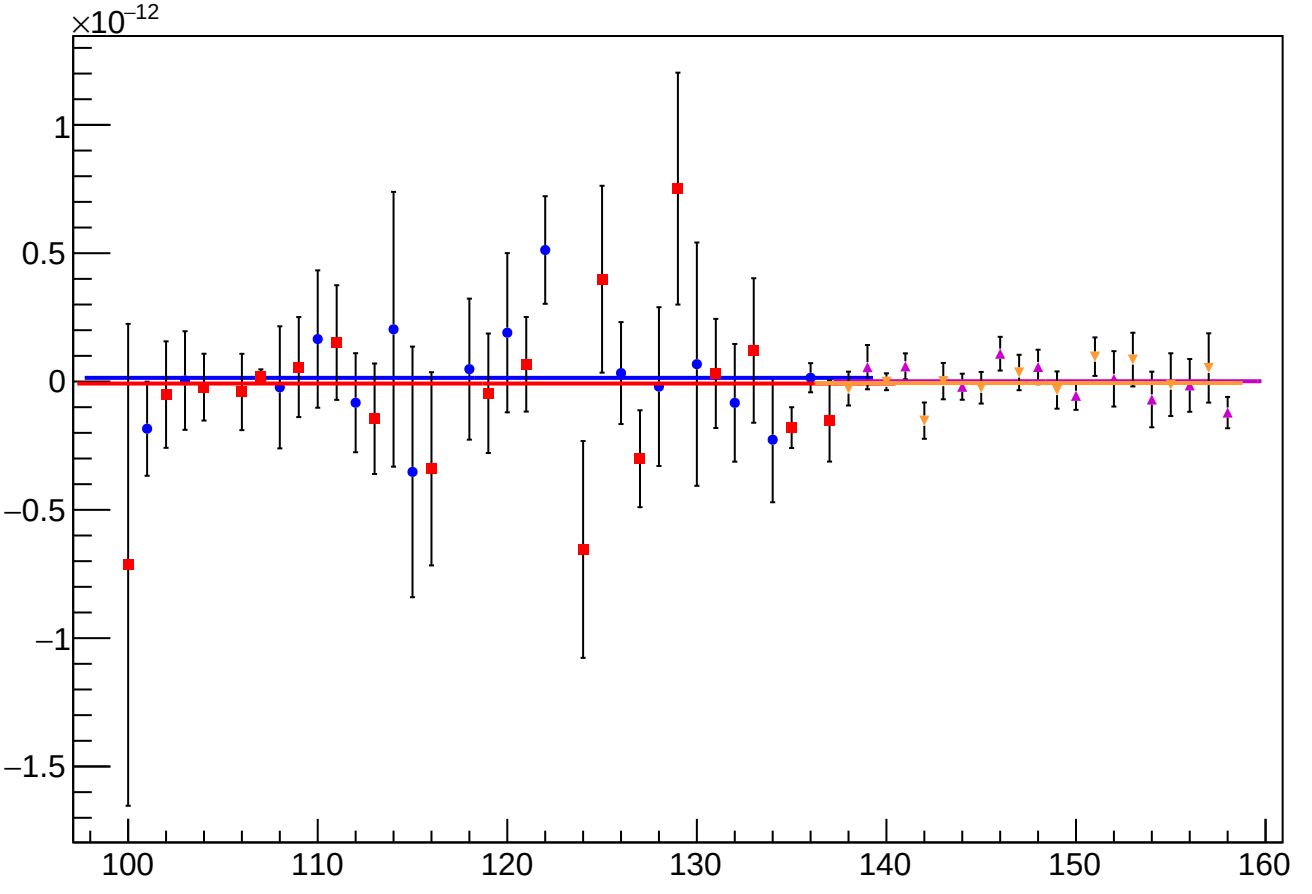
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 277.299+/-0.068 χ^2/NDF:441430.8/9

+ sign 201.791+/-0.040 χ^2/NDF: 5539618.3/26

All: 196.890+/-0.027 χ^2/NDF: 10190690.8/55

- sign 192.520+/-0.038 χ^2/NDF: 4622750.5/28



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.9/10

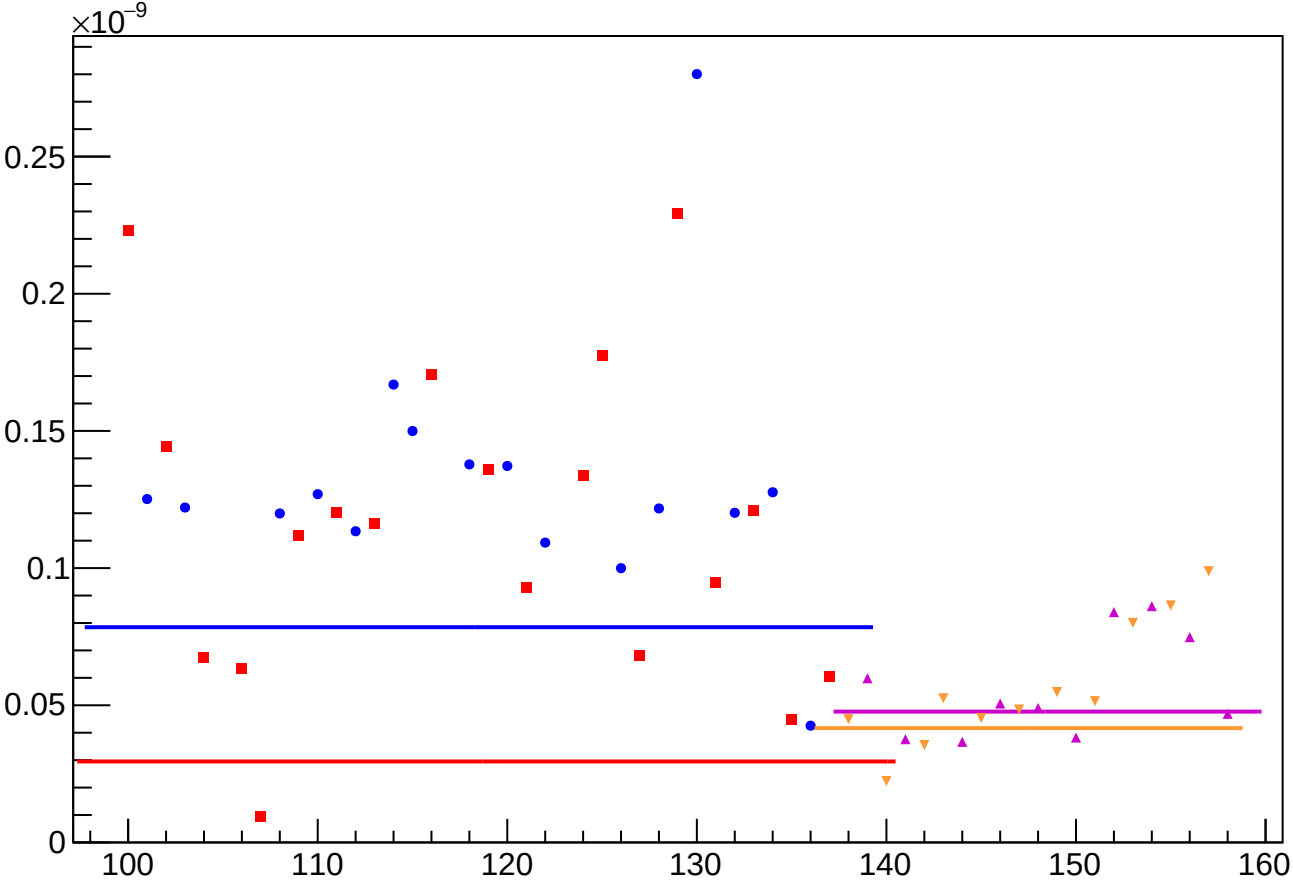
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:10.8/9

+ sign -0.000+/-0.000 χ^2/NDF: 17.7/26

All: -0.000+/-0.000 χ^2/NDF: 46.9/55

- sign -0.000+/-0.000 χ^2/NDF: 29.2/28



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1781674.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

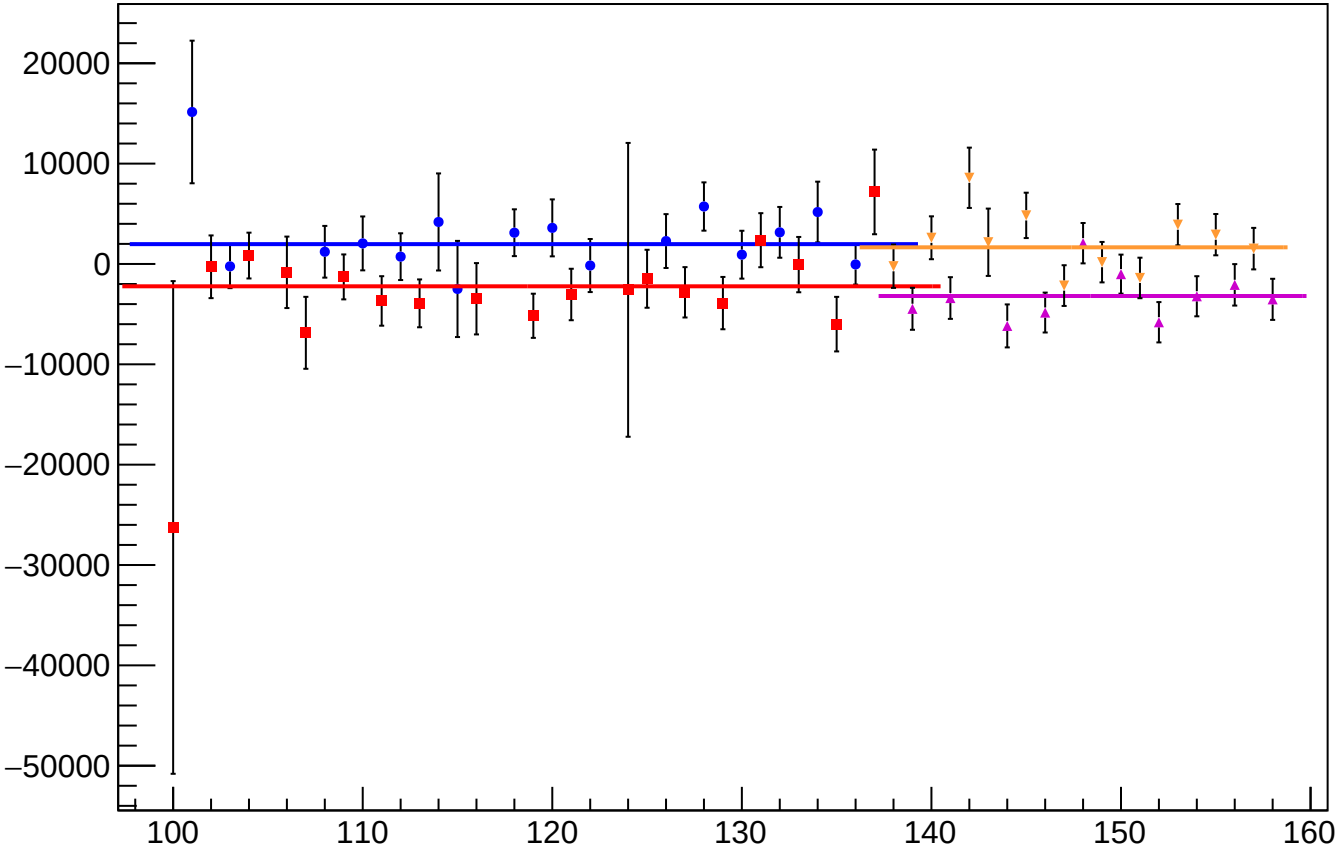
Left In: 0.000+/-0.000 χ^2/NDF:894588.7/9

+ sign 0.000+/-0.000 χ^2/NDF: 5125149.7/26

All: 0.000+/-0.000 χ^2/NDF: 12463107.9/55

- sign 0.000+/-0.000 χ^2/NDF: 7060252.5/28

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1658.815+/-663.819 χ^2/NDF:16.2/10

Right Out: -2226.171+/-656.286 χ^2/NDF: 19.0/18

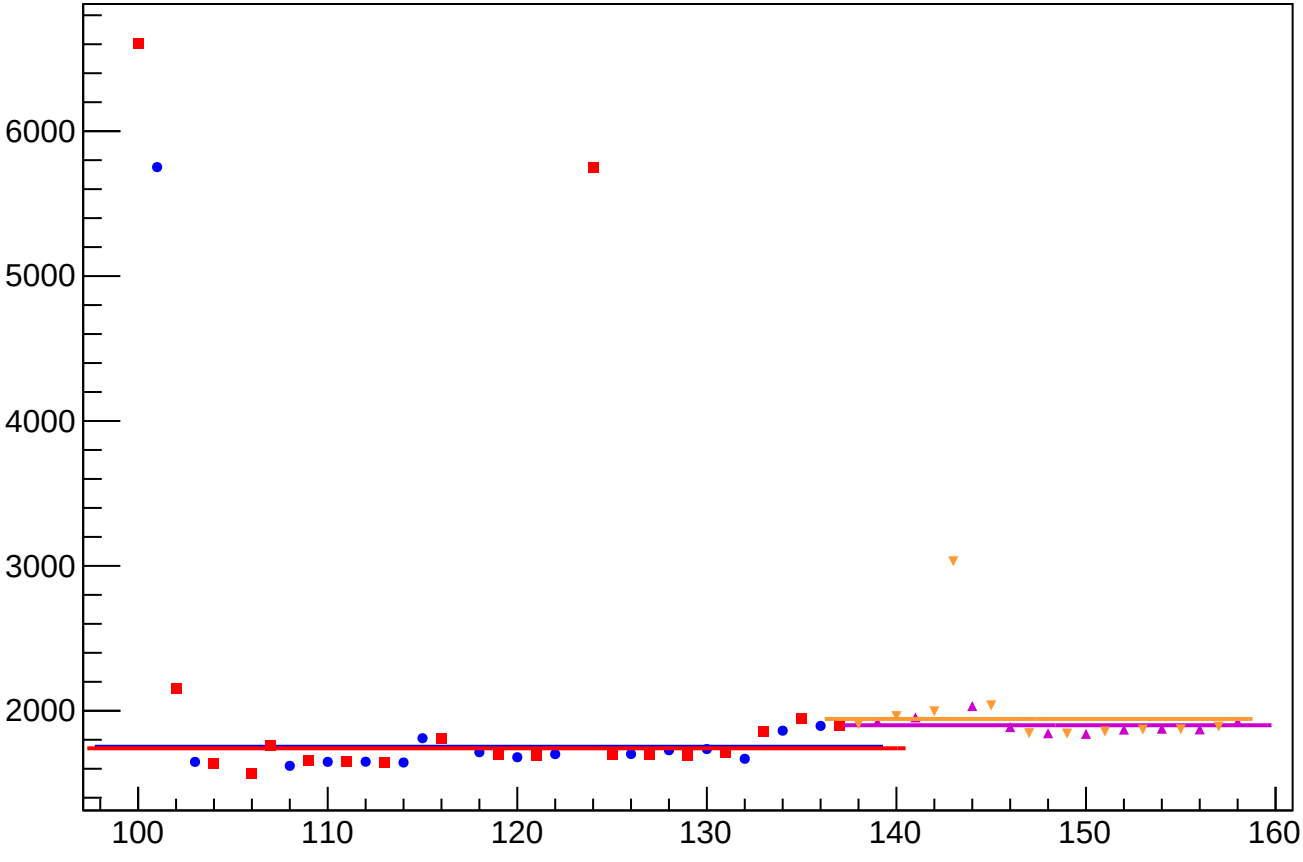
Left In: -3192.802+/-643.617 χ^2/NDF:13.1/9

+ sign 1816.629+/-470.761 χ^2/NDF: 28.5/26

All: -505.935+/-328.832 χ^2/NDF: 109.2/55

- sign -2718.907+/-459.520 χ^2/NDF: 33.2/28

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 1943.718+/-0.469 χ^2/NDF:234681.1/10

Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

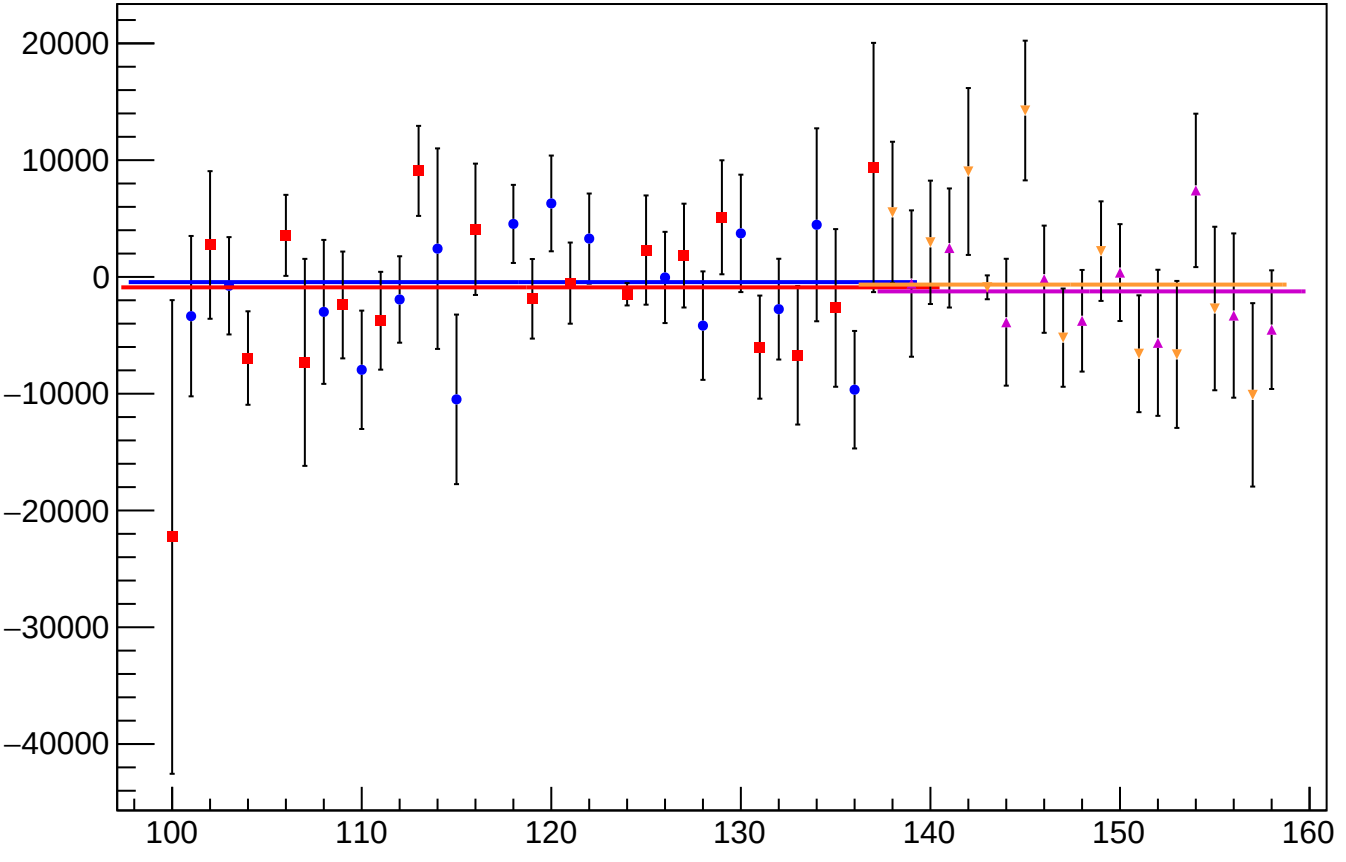
Left In: 1900.206+/-0.455 χ^2/NDF:14045.4/9

+ sign 1848.224+/-0.333 χ^2/NDF: 988597.3/26

All: 1834.538+/-0.232 χ^2/NDF: 1370994.0/55

- sign 1821.593+/-0.324 χ^2/NDF: 379107.6/28

asym_atr1l2_avg_reg_correction_mean vs Slug



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -655.253+/-883.637 χ^2/NDF:15.1/10

Right Out: -892.237+/-725.737 χ^2/NDF: 20.1/18

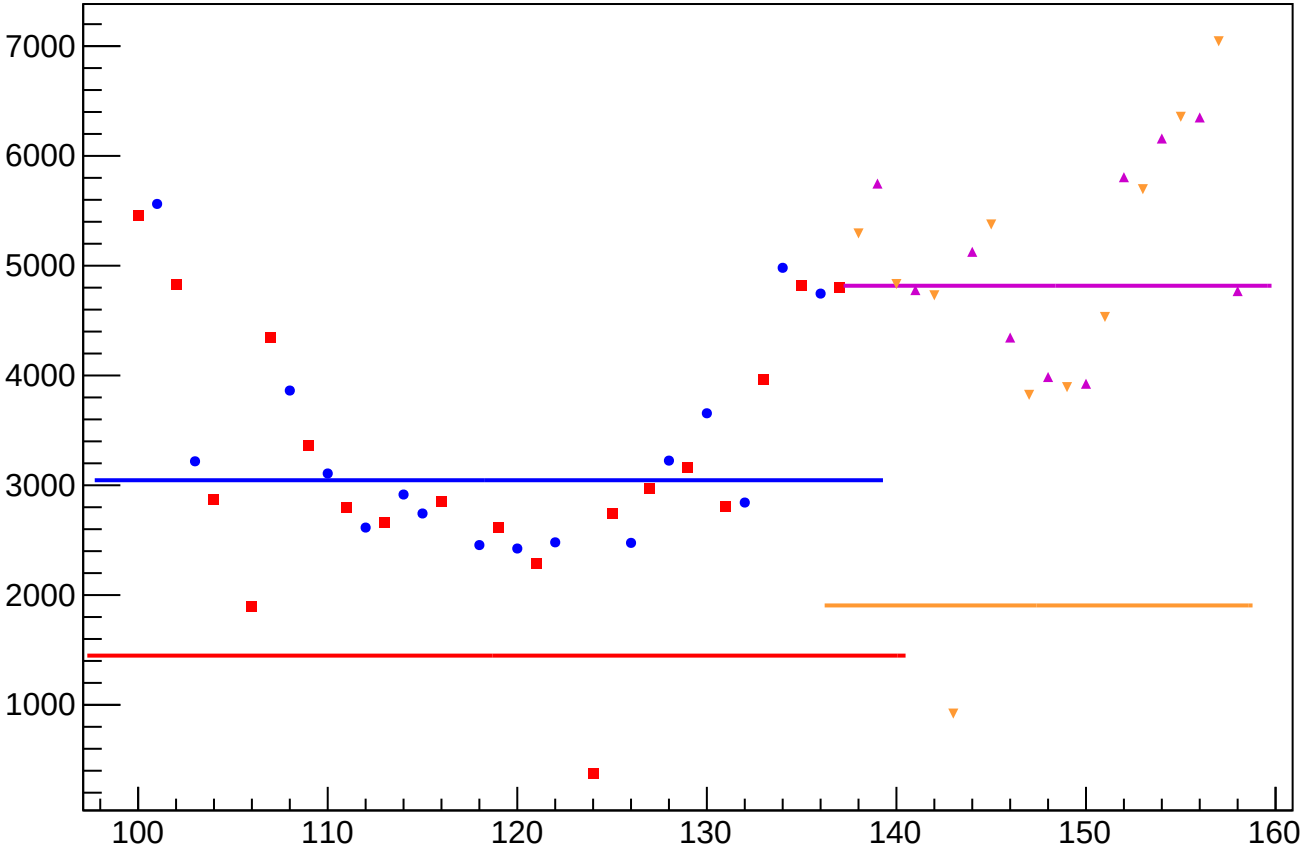
Left In: -1238.132+/-1657.834 χ^2/NDF:4.0/9

+ sign -578.992+/-706.101 χ^2/NDF: 31.0/26

All: -774.523+/-484.037 χ^2/NDF: 55.3/55

- sign -947.863+/-664.825 χ^2/NDF: 24.2/28

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 1905.497+/-0.625 χ^2/NDF:7877216.5/10

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

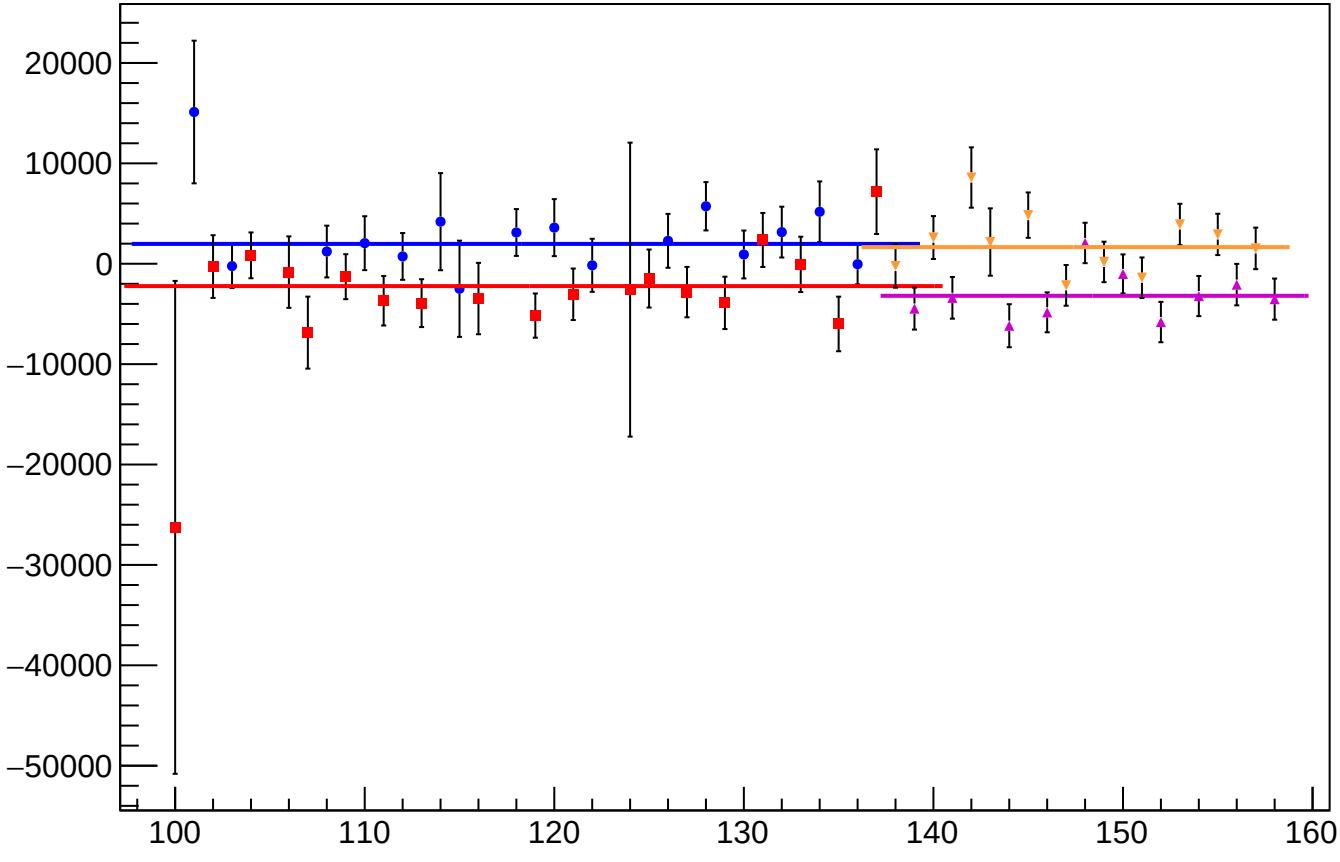
Left In: 4817.360+/-1.172 χ^2/NDF:465839.6/9

+ sign 2317.718+/-0.499 χ^2/NDF: 9988742.5/26

All: 2144.153+/-0.342 χ^2/NDF: 24399987.4/5

- sign 1990.287+/-0.470 χ^2/NDF: 14183274.0/28

cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1658.908+/-663.819 χ^2/NDF:16.2/10

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

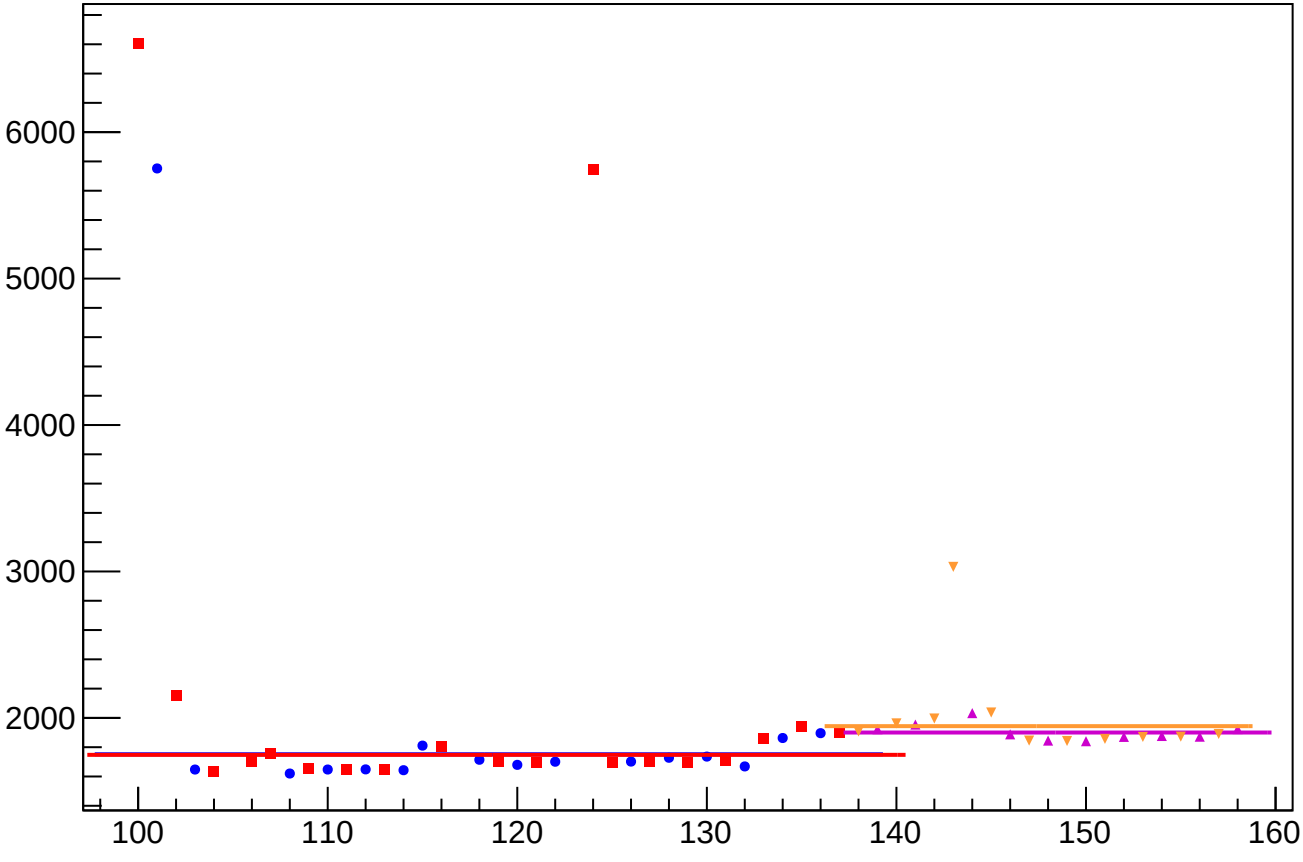
Left In: -3192.923+/-643.617 χ^2/NDF:13.1/9

+ sign 1816.501+/-470.761 χ^2/NDF: 28.4/26

All: -506.054+/-328.832 χ^2/NDF: 109.2/55

- sign -2719.016+/-459.520 χ^2/NDF: 33.2/28

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1943.718+/-0.469 χ^2/NDF:234681.1/10

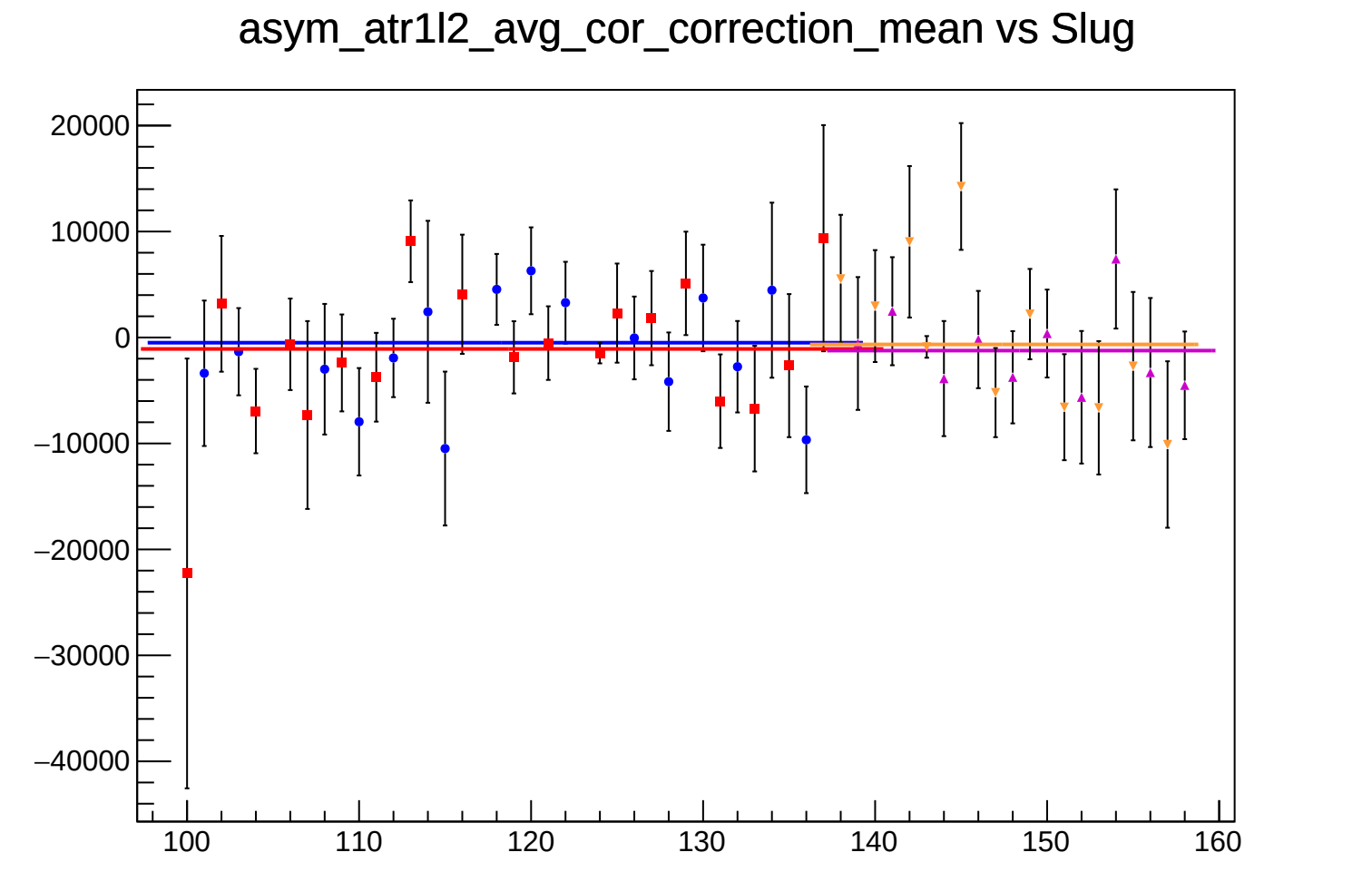
Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1900.206+/-0.455 χ^2/NDF:14045.4/9

+ sign 1848.223+/-0.333 χ^2/NDF: 988597.8/26

All: 1836.410+/-0.232 χ^2/NDF: 1358215.7/55

- sign 1825.196+/-0.324 χ^2/NDF: 367162.8/28



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -655.064+/-883.610 χ^2/NDF:15.1/10

Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

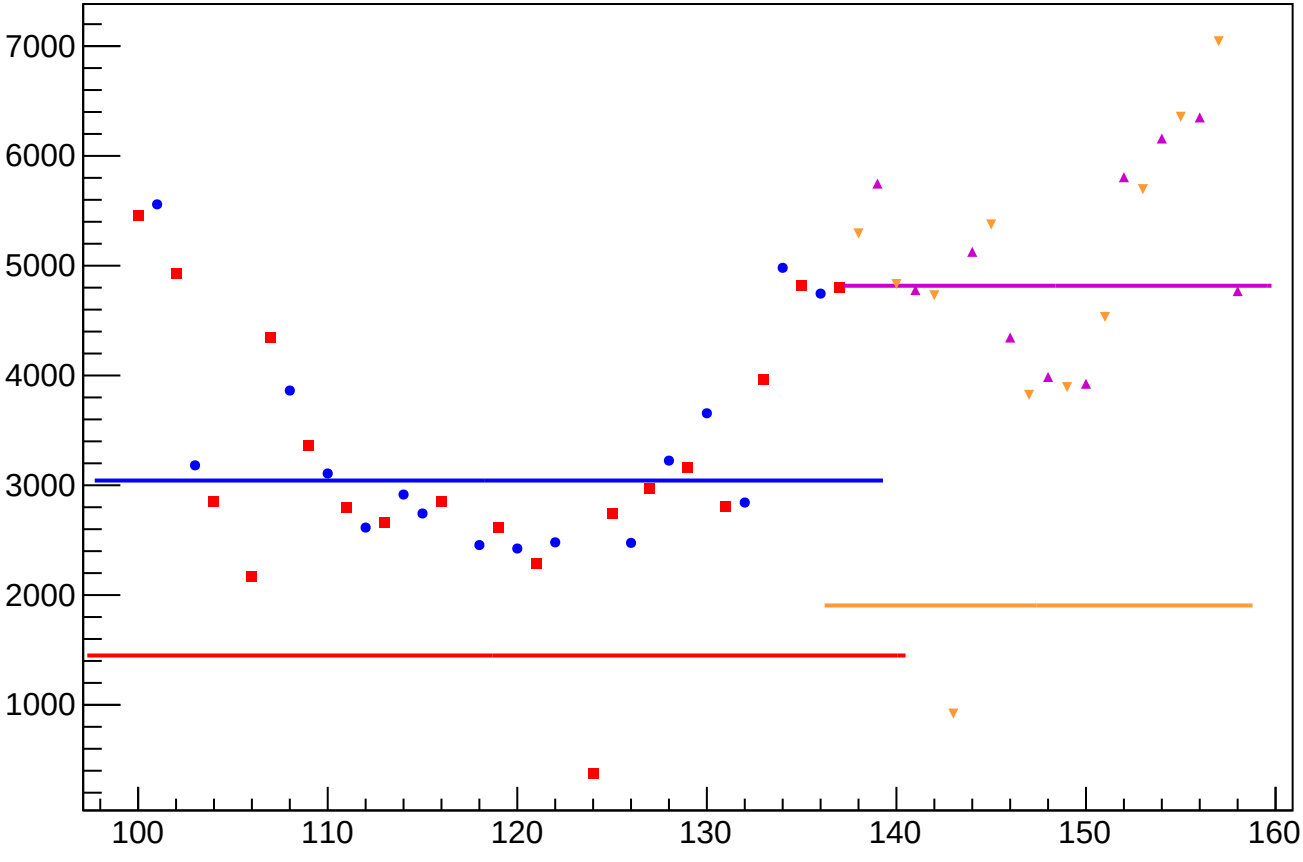
Left In: -1238.212+/-1657.833 χ^2/NDF:4.0/9

+ sign -596.379+/-705.824 χ^2/NDF: 31.1/26

All: -865.039+/-485.633 χ^2/NDF: 53.8/55

- sign -1106.554+/-669.215 χ^2/NDF: 22.5/28

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 1905.409+/-0.625 χ^2/NDF:7877500.8/10

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

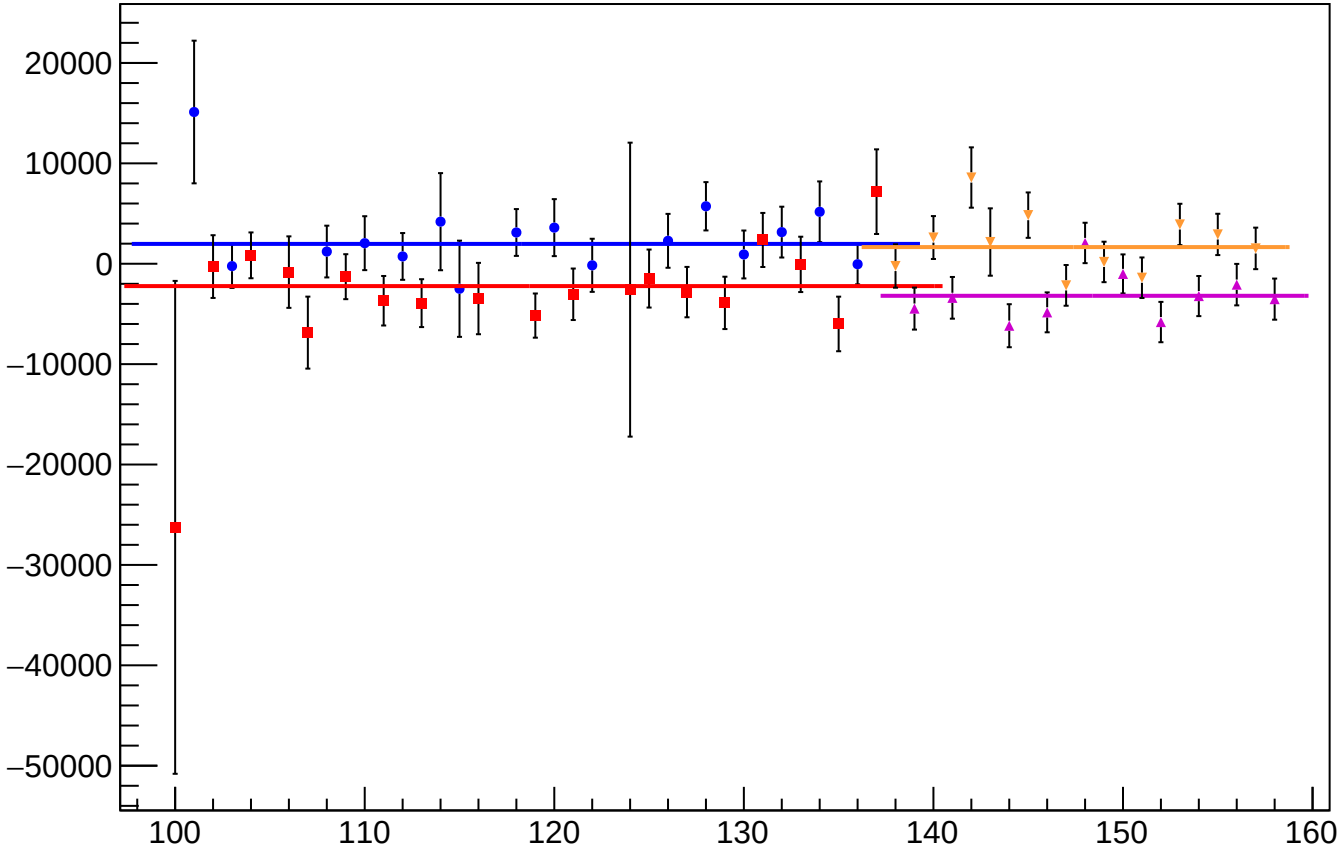
Left In: 4817.357+/-1.172 χ^2/NDF:465838.0/9

+ sign 2317.230+/-0.499 χ^2/NDF: 9983507.6/26

All: 2149.280+/-0.343 χ^2/NDF: 24398919.3/5

- sign 1998.299+/-0.473 χ^2/NDF: 14200373.7/28

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1658.908+/-663.819 χ^2/NDF:16.2/10

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

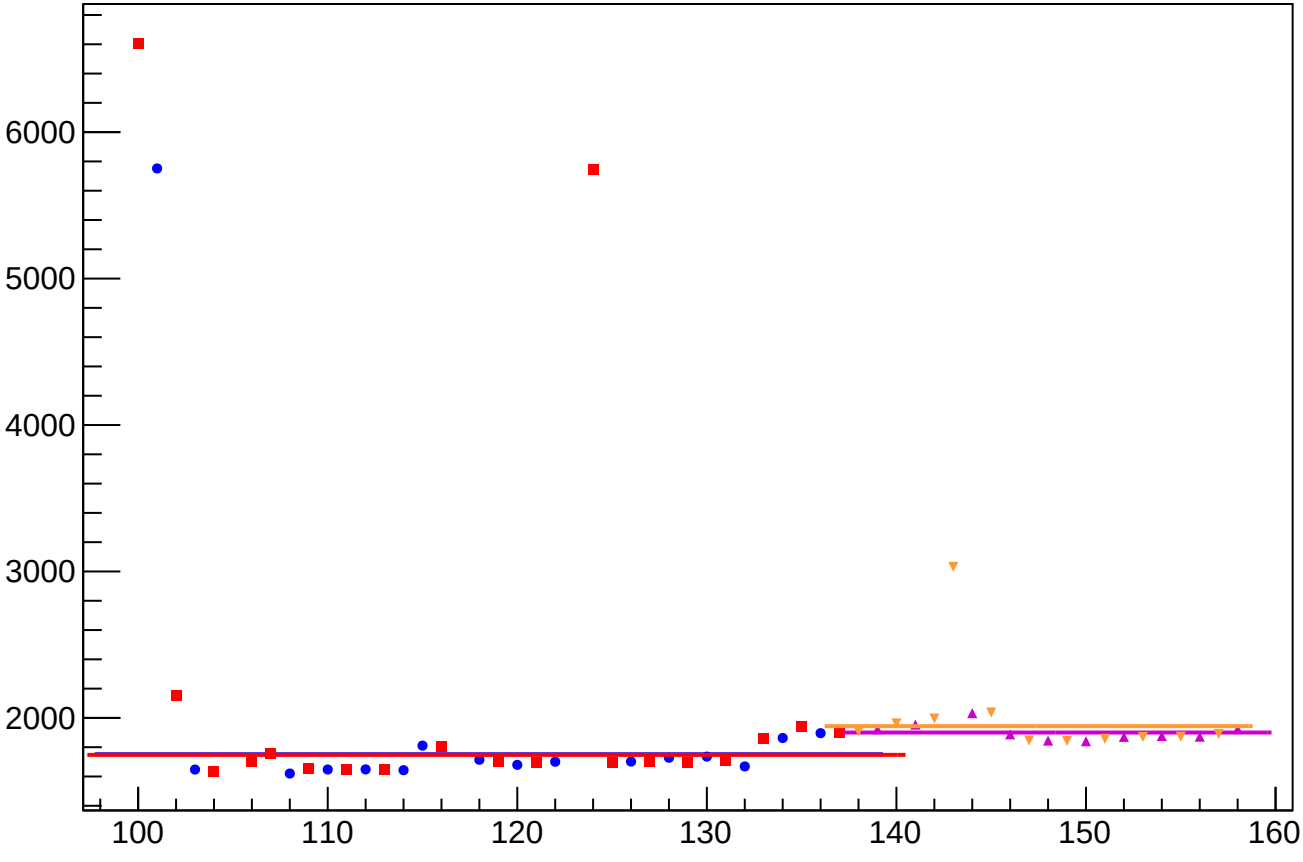
Left In: -3192.923+/-643.617 χ^2/NDF:13.1/9

+ sign 1816.501+/-470.761 χ^2/NDF: 28.4/26

All: -506.054+/-328.832 χ^2/NDF: 109.2/55

- sign -2719.016+/-459.520 χ^2/NDF: 33.2/28

eigen_cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1943.718+/-0.469 χ^2/NDF:234681.1/10

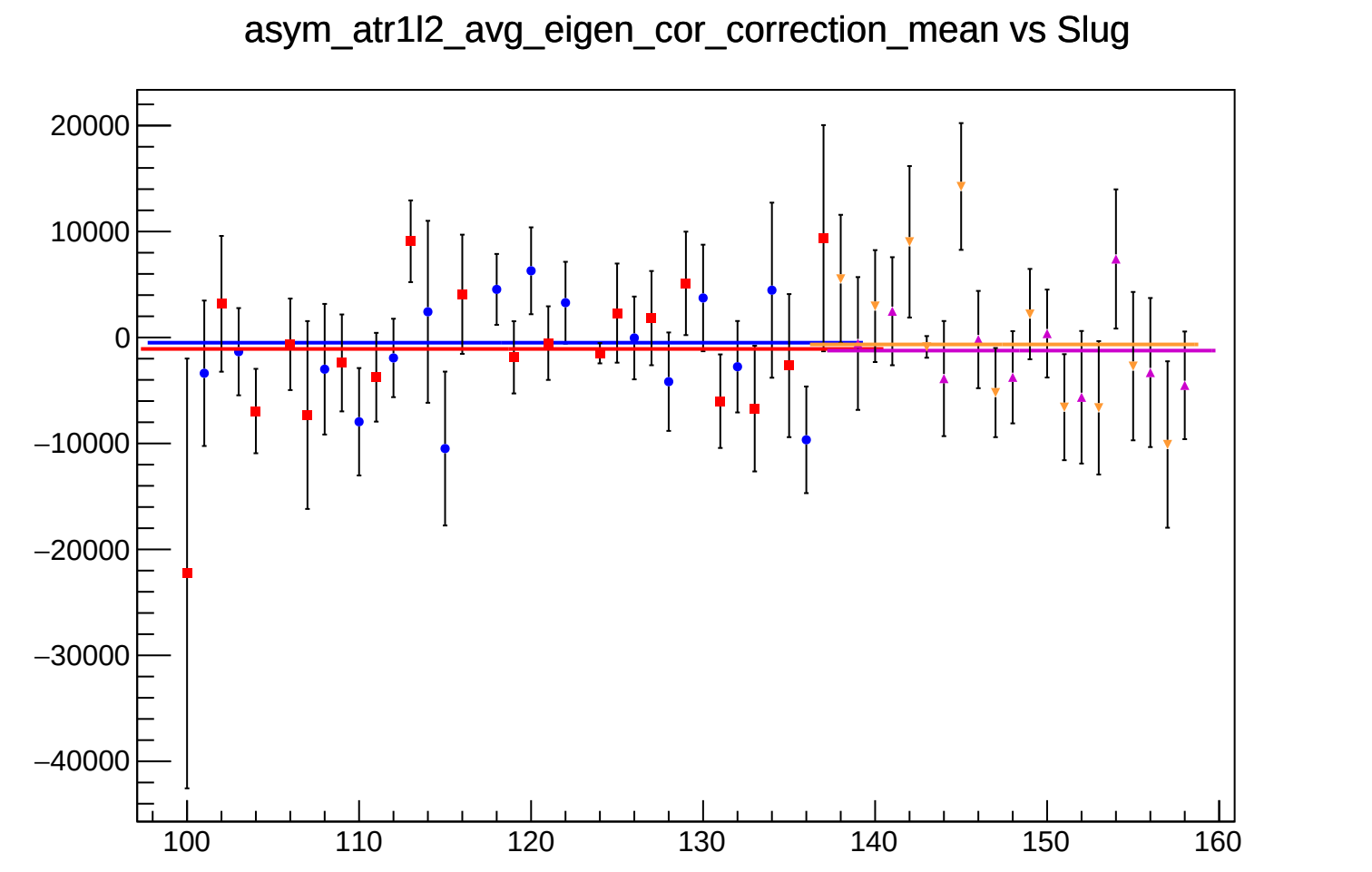
Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1900.206+/-0.455 χ^2/NDF:14045.4/9

+ sign 1848.223+/-0.333 χ^2/NDF: 988597.8/26

All: 1836.410+/-0.232 χ^2/NDF: 1358215.7/55

- sign 1825.196+/-0.324 χ^2/NDF: 367162.8/28



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -655.064+/-883.610 χ^2/NDF:15.1/10

Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

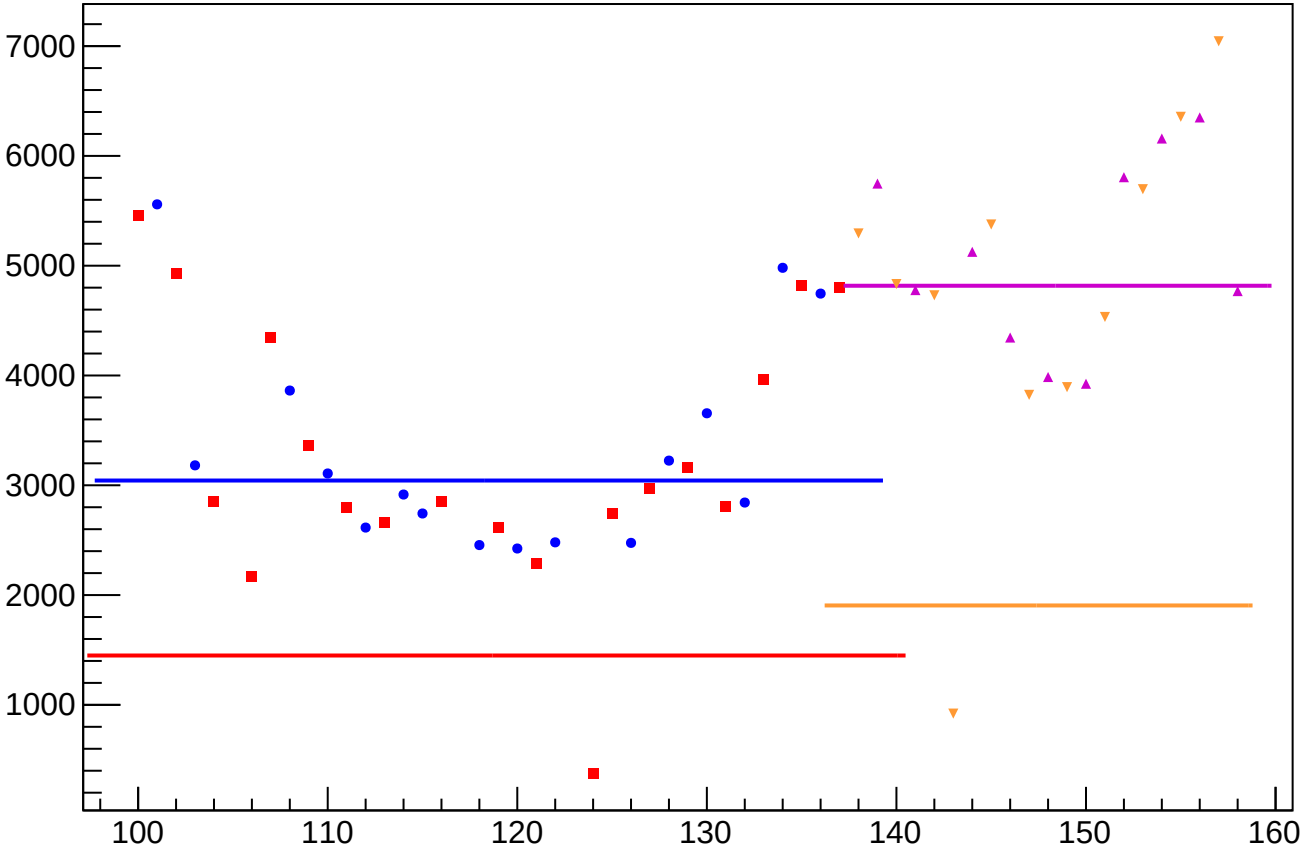
Left In: -1238.212+/-1657.833 χ^2/NDF:4.0/9

+ sign -596.379+/-705.824 χ^2/NDF: 31.1/26

All: -865.039+/-485.633 χ^2/NDF: 53.8/55

- sign -1106.554+/-669.215 χ^2/NDF: 22.5/28

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 1905.409+/-0.625 χ^2/NDF:7877500.8/10

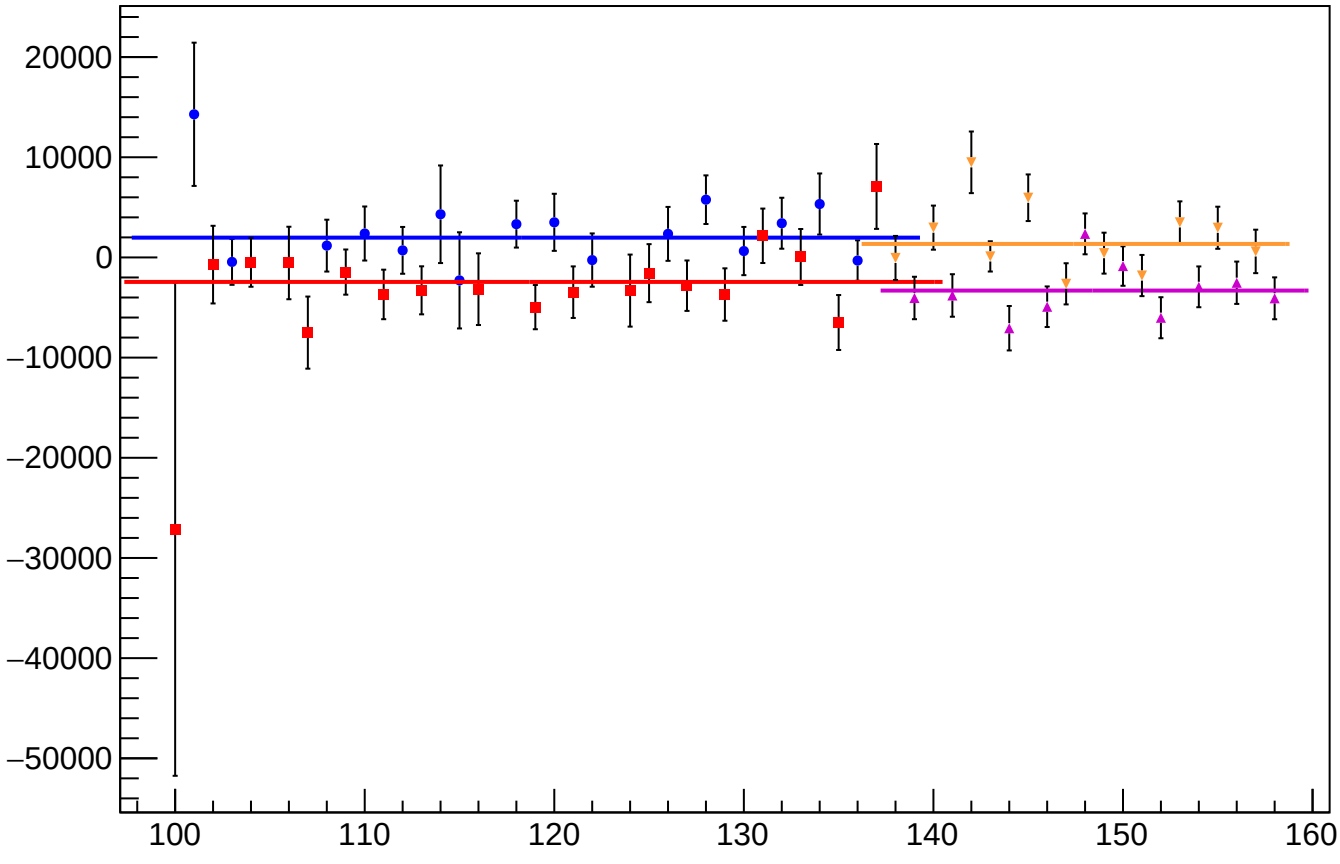
Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 4817.357+/-1.172 χ^2/NDF:465838.0/9

+ sign 2317.230+/-0.499 χ^2/NDF: 9983507.6/26

All: 2149.280+/-0.343 χ^2/NDF: 24398919.3/5

- sign 1998.299+/-0.473 χ^2/NDF: 14200373.7/28



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1346.986+/-629.703 χ^2/NDF:20.7/10

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

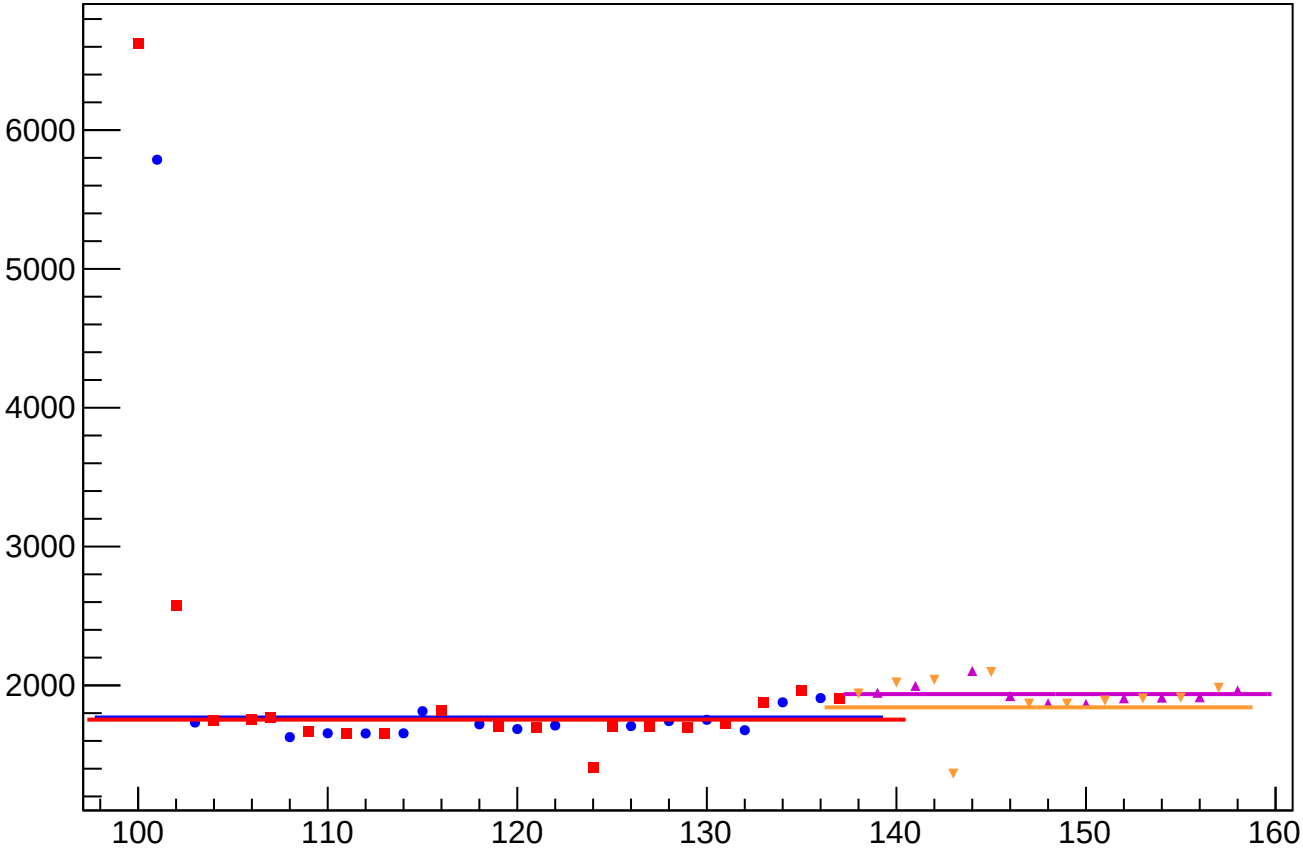
Left In: -3307.313+/-656.248 χ^2/NDF:15.0/9

+ sign 1640.014+/-460.158 χ^2/NDF: 33.5/26

All: -596.922+/-326.921 χ^2/NDF: 114.6/55

- sign -2876.698+/-464.544 χ^2/NDF: 33.3/28

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1841.971+/-0.445 χ^2/NDF:263849.8/10

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

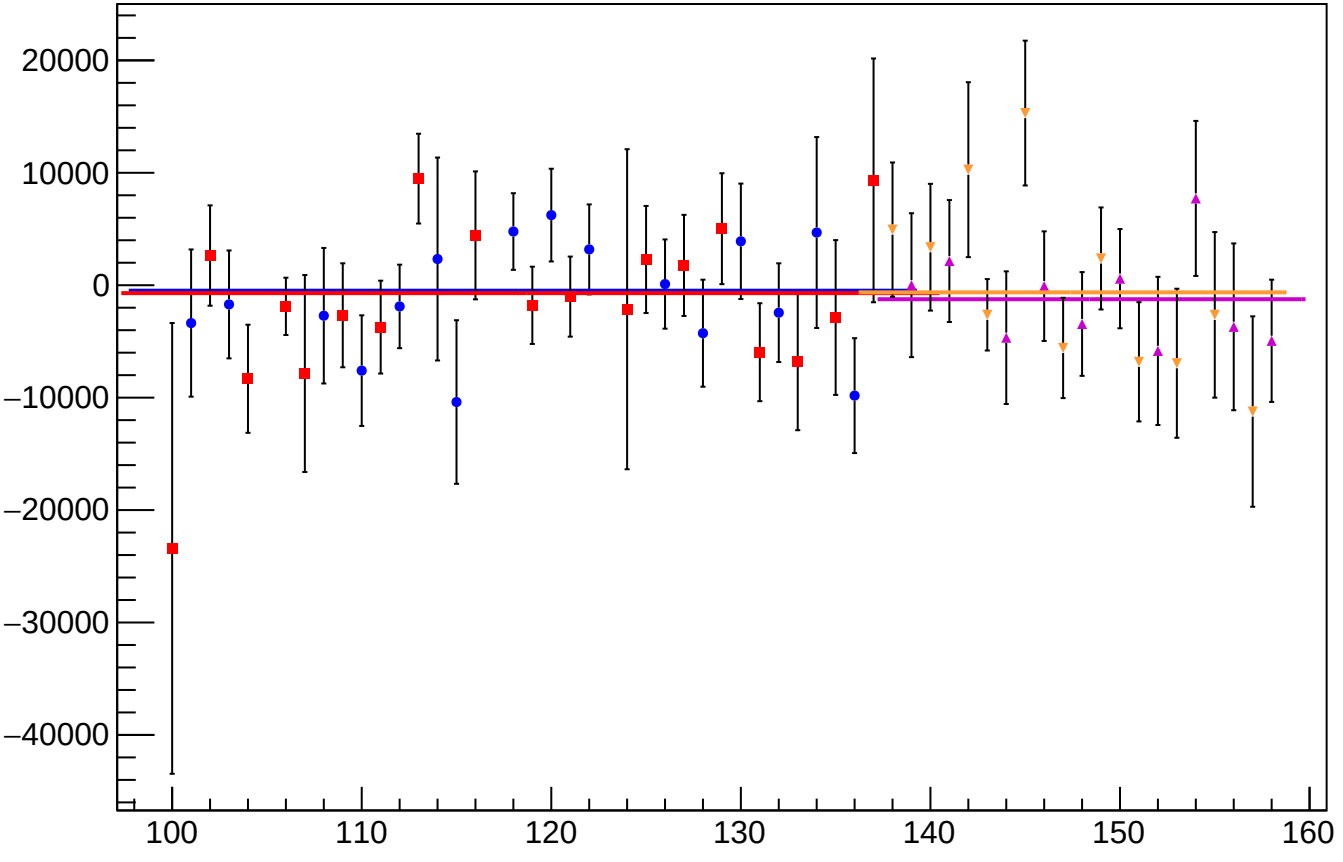
Left In: 1937.153+/-0.464 χ^2/NDF:18919.7/9

+ sign 1807.724+/-0.325 χ^2/NDF: 943911.6/26

All: 1826.321+/-0.231 χ^2/NDF: 1266737.8/55

- sign 1845.224+/-0.328 χ^2/NDF: 316239.2/28

asym_atr1l2_avg_dit_correction_mean vs Slug



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: -634.541+/-1603.818 χ^2/NDF:15.4/10

Right Out: -703.324+/-1069.467 χ^2/NDF: 18.8/18

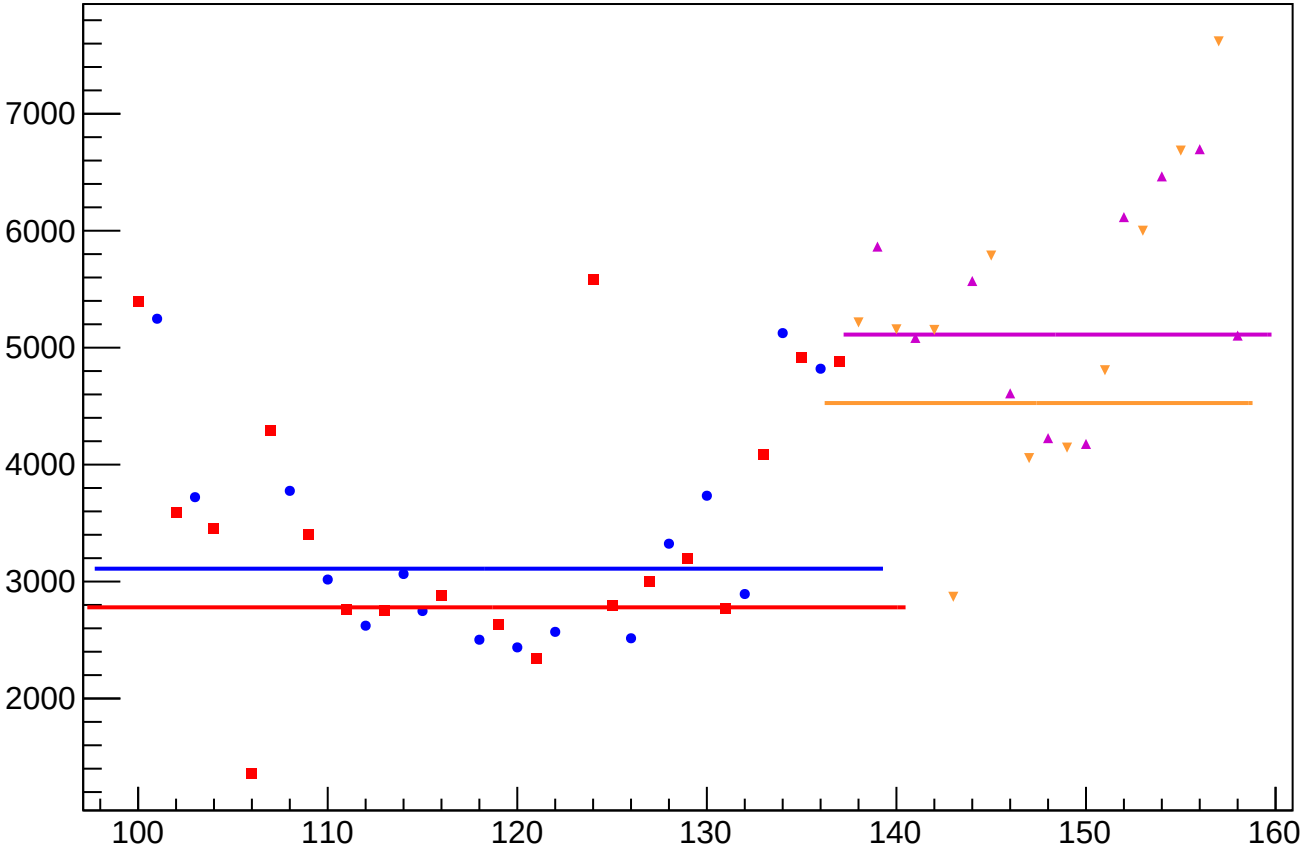
Left In: -1245.018+/-1757.984 χ^2/NDF:4.0/9

+ sign -540.577+/-960.055 χ^2/NDF: 31.2/26

All: -702.757+/-661.856 χ^2/NDF: 54.1/55

- sign -849.646+/-913.678 χ^2/NDF: 22.9/28

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 4526.474+/-1.134 χ^2/NDF:1264784.5/10

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

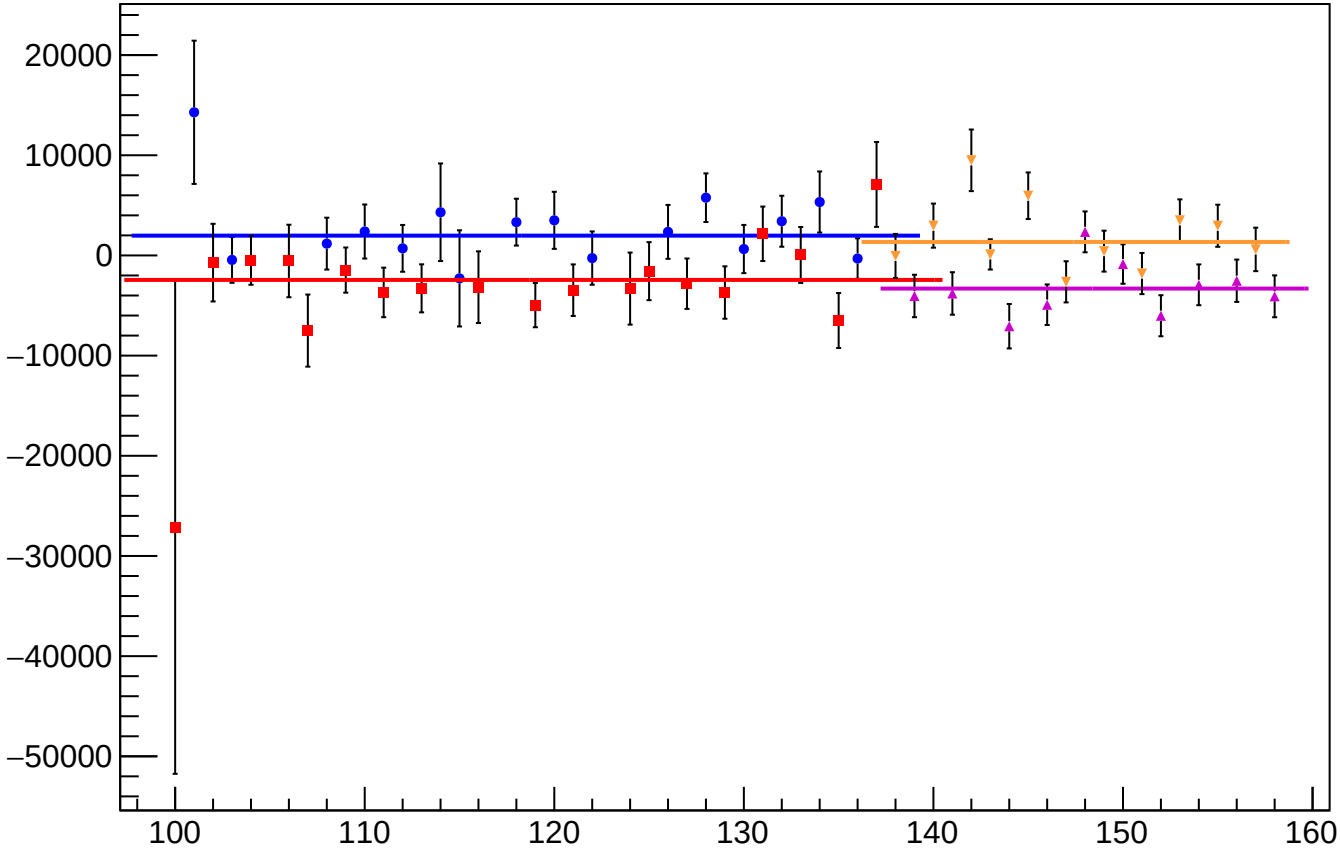
Left In: 5111.904+/-1.243 χ^2/NDF:439213.3/9

+ sign 3617.649+/-0.679 χ^2/NDF: 3148894.9/26

All: 3508.491+/-0.468 χ^2/NDF: 7554800.0/55

- sign 3409.624+/-0.646 χ^2/NDF: 4356632.0/28

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1346.987+/-629.703 χ^2/NDF:20.7/10

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

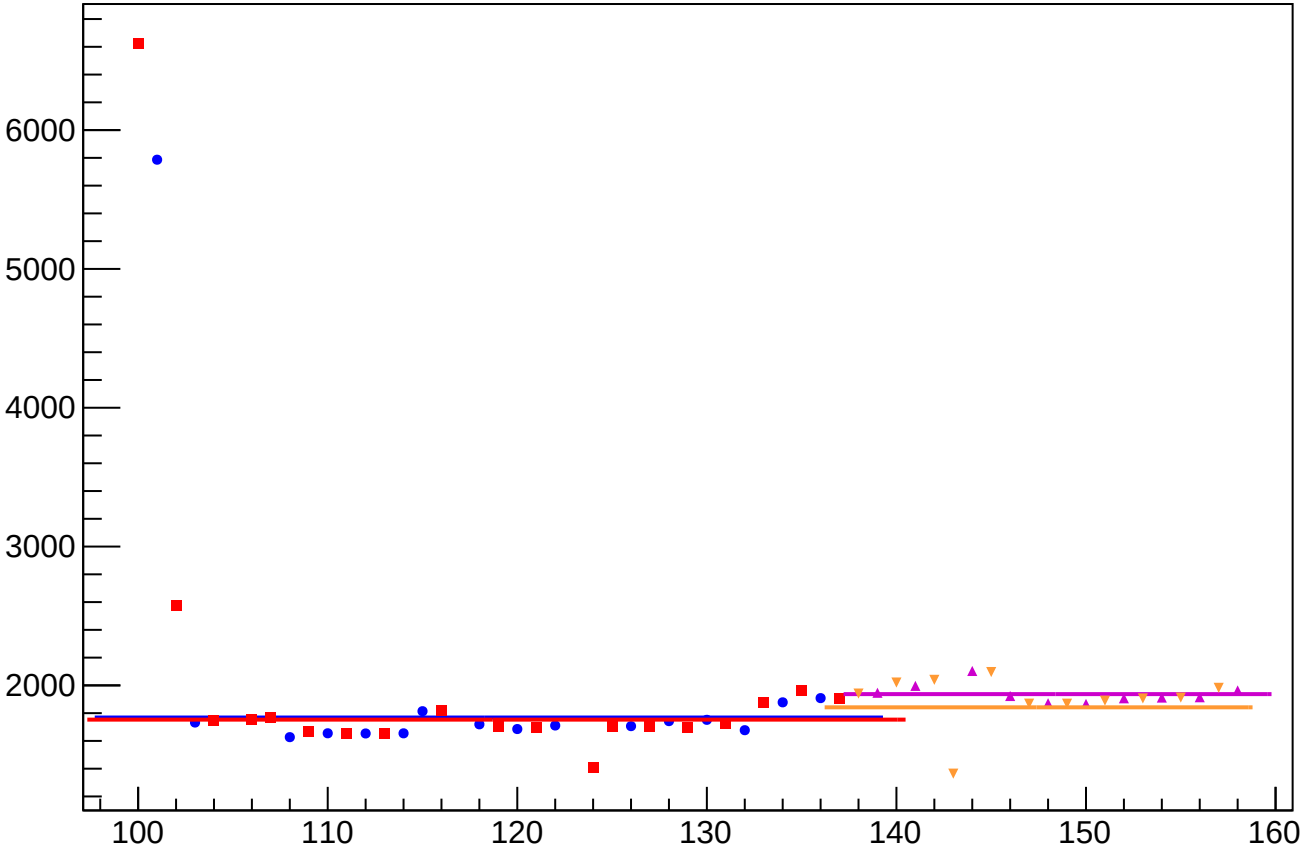
Left In: -3307.314+/-656.248 χ^2/NDF:15.0/9

+ sign 1640.015+/-460.158 χ^2/NDF: 33.5/26

All: -596.922+/-326.921 χ^2/NDF: 114.6/55

- sign -2876.699+/-464.544 χ^2/NDF: 33.3/28

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1841.972+/-0.445 χ^2/NDF:263851.1/10

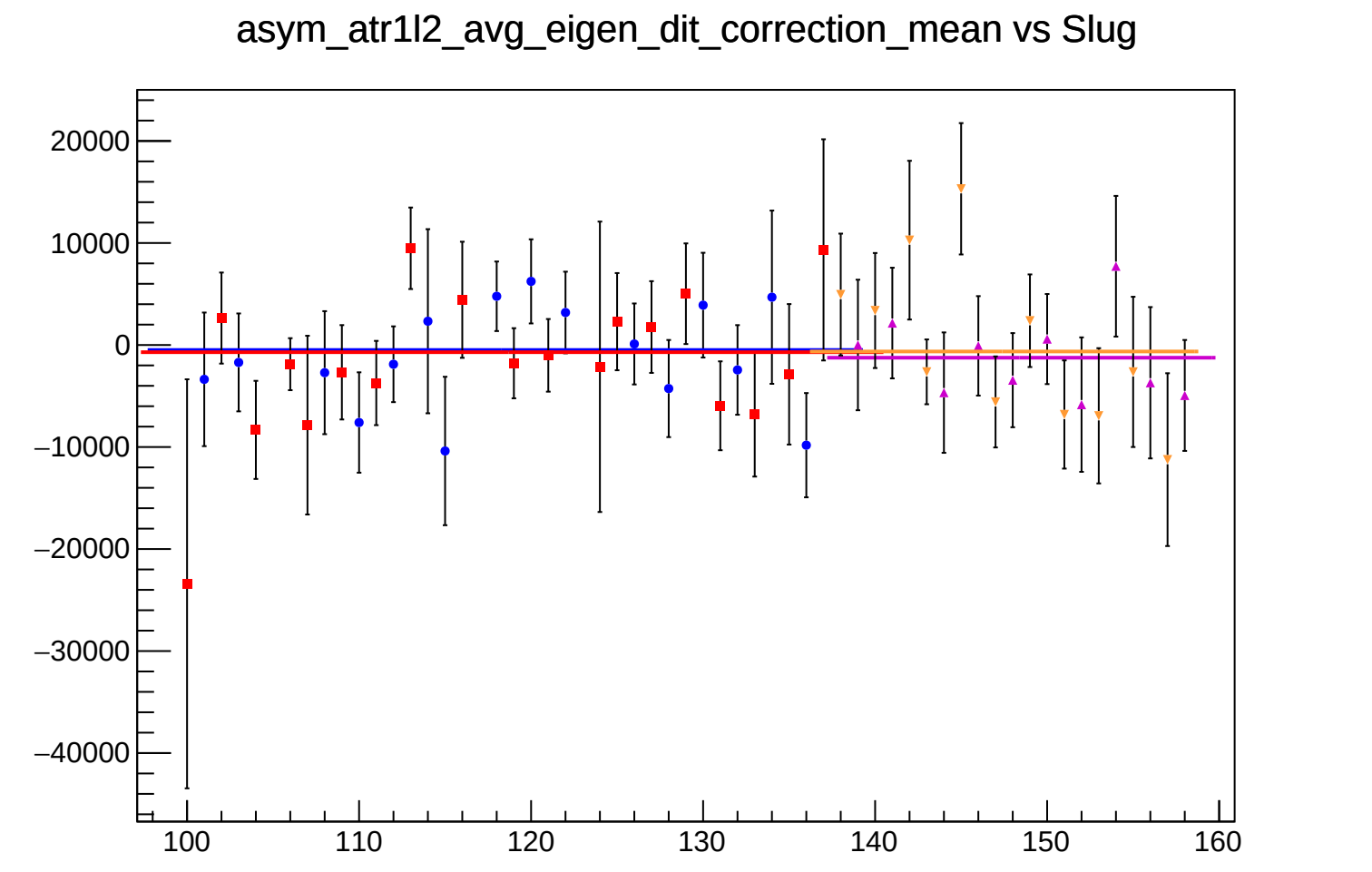
Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1937.154+/-0.464 χ^2/NDF:18920.0/9

+ sign 1807.725+/-0.325 χ^2/NDF: 943913.2/26

All: 1826.322+/-0.231 χ^2/NDF: 1266740.7/55

- sign 1845.225+/-0.328 χ^2/NDF: 316240.5/28



Right In: -488.098+/-1198.502 χ^2/NDF: 15.8/15

Left Out: -634.547+/-1603.819 χ^2/NDF:15.4/10

Right Out: -703.325+/-1069.463 χ^2/NDF: 18.8/18

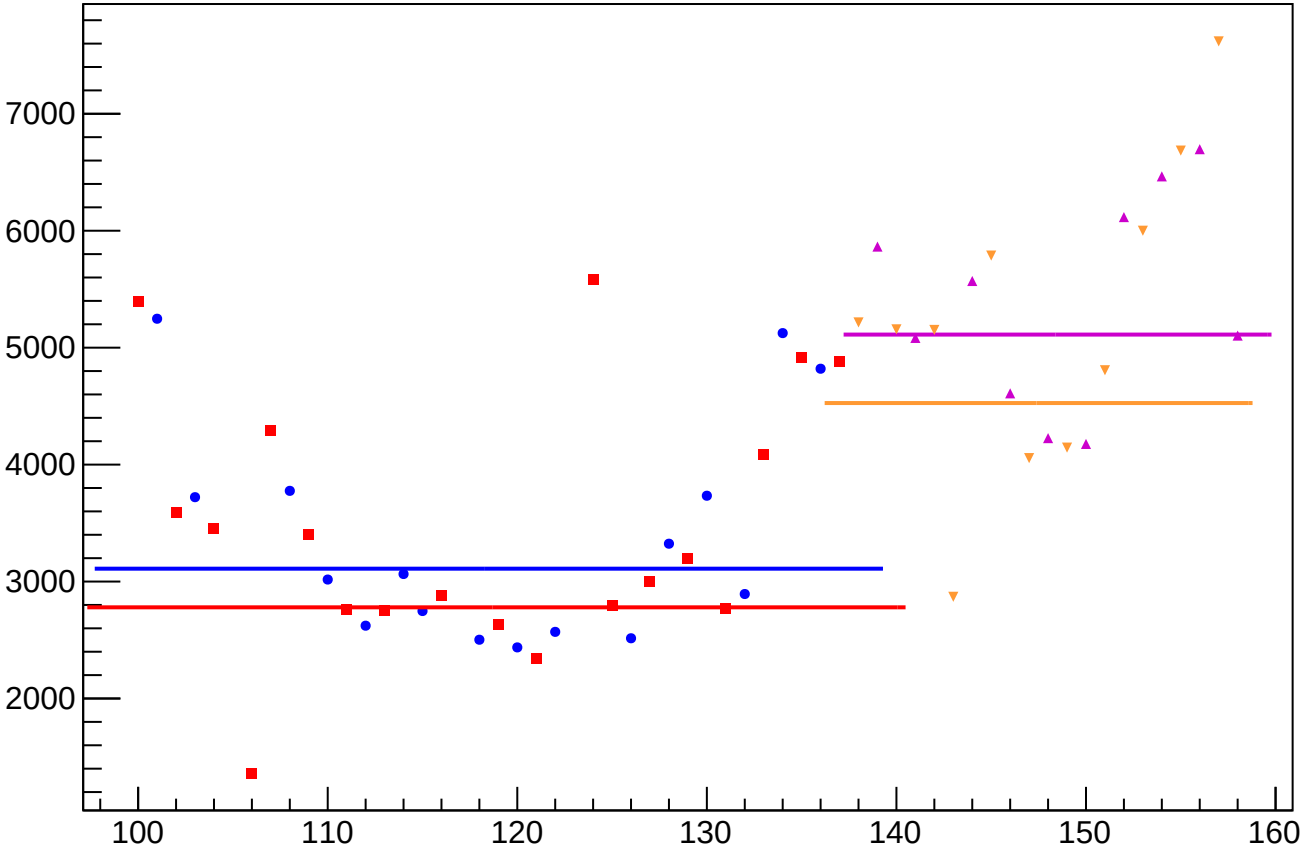
Left In: -1245.020+/-1757.986 χ^2/NDF:4.0/9

+ sign -540.575+/-960.053 χ^2/NDF: 31.2/26

All: -702.756+/-661.855 χ^2/NDF: 54.1/55

- sign -849.647+/-913.676 χ^2/NDF: 22.9/28

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 4526.477+/-1.134 χ^2/NDF:1264790.8/10

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

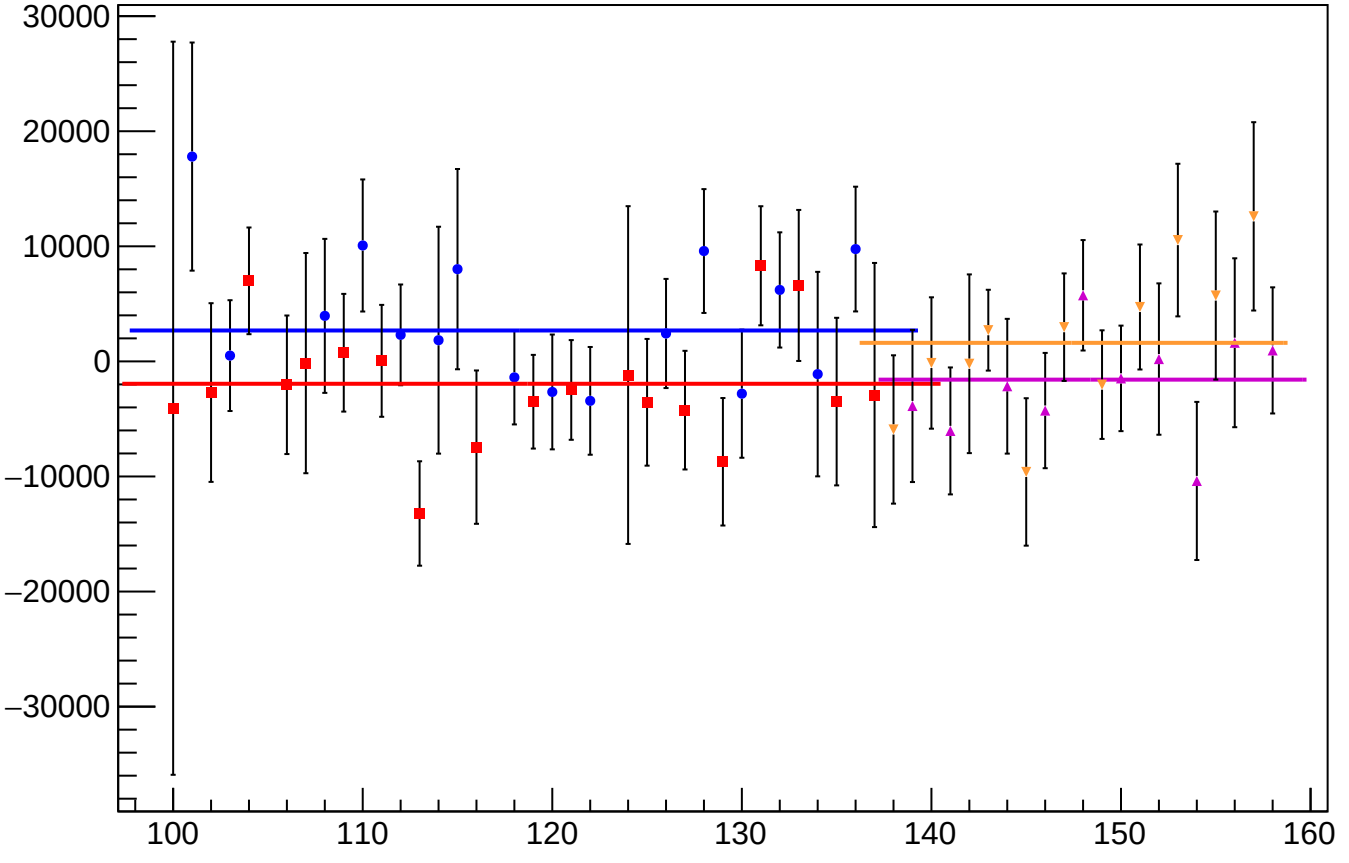
Left In: 5111.909+/-1.243 χ^2/NDF:439216.7/9

+ sign 3617.641+/-0.679 χ^2/NDF: 3148932.7/26

All: 3508.480+/-0.468 χ^2/NDF: 7554903.9/55

- sign 3409.611+/-0.646 χ^2/NDF: 4356695.9/28

asym_atr1l2_avg_mean vs Slug



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: 1611.301+/-1671.642 χ^2/NDF:9.6/10

Right Out: -1945.685+/-1332.986 χ^2/NDF: 18.7/18

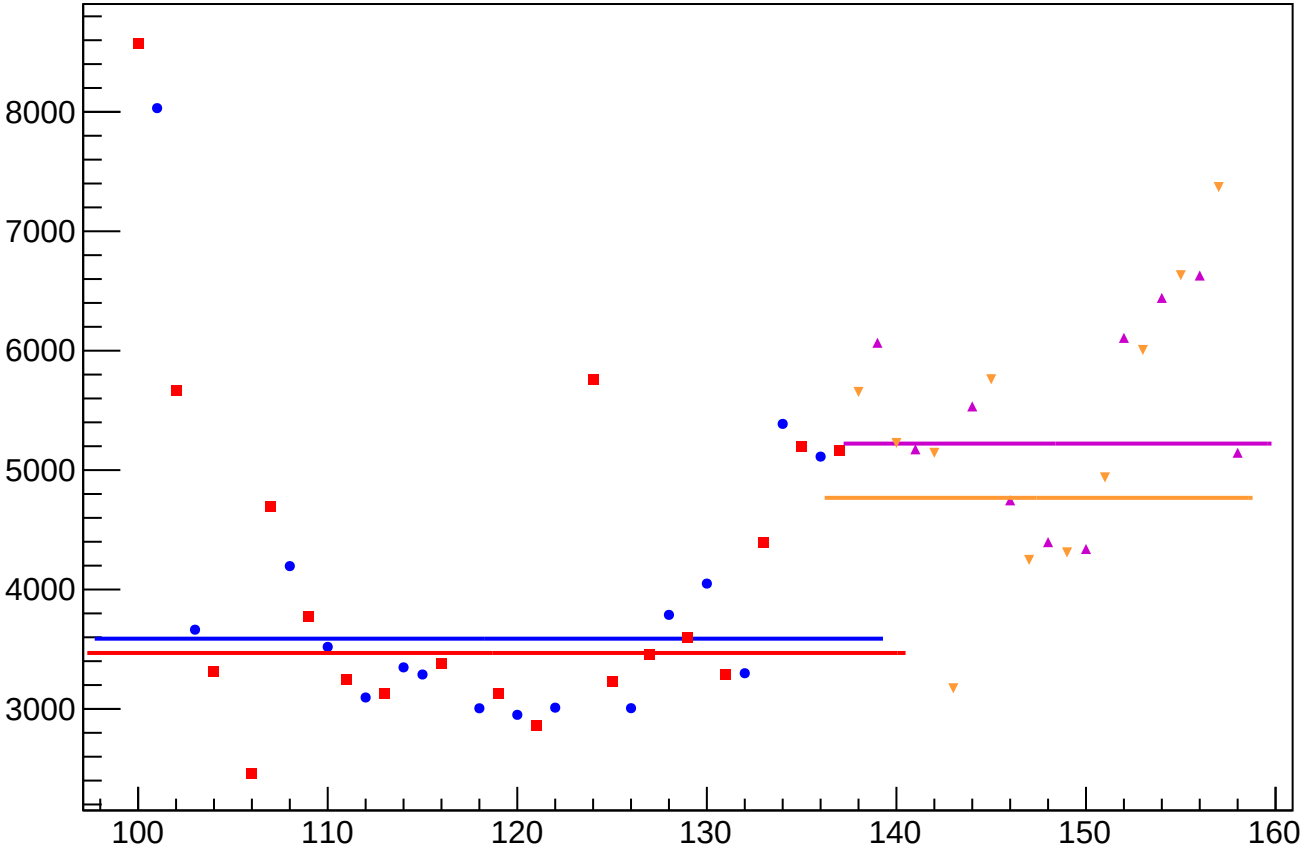
Left In: -1586.496+/-1790.498 χ^2/NDF:5.5/9

+ sign 2250.116+/-1064.173 χ^2/NDF: 23.3/26

All: 225.876+/-754.261 χ^2/NDF: 54.8/55

- sign -1817.598+/-1069.216 χ^2/NDF: 24.2/28

asym_atr1l2_avg_rms vs Slug



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 4767.785+/-1.182 χ^2/NDF:963977.1/10

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

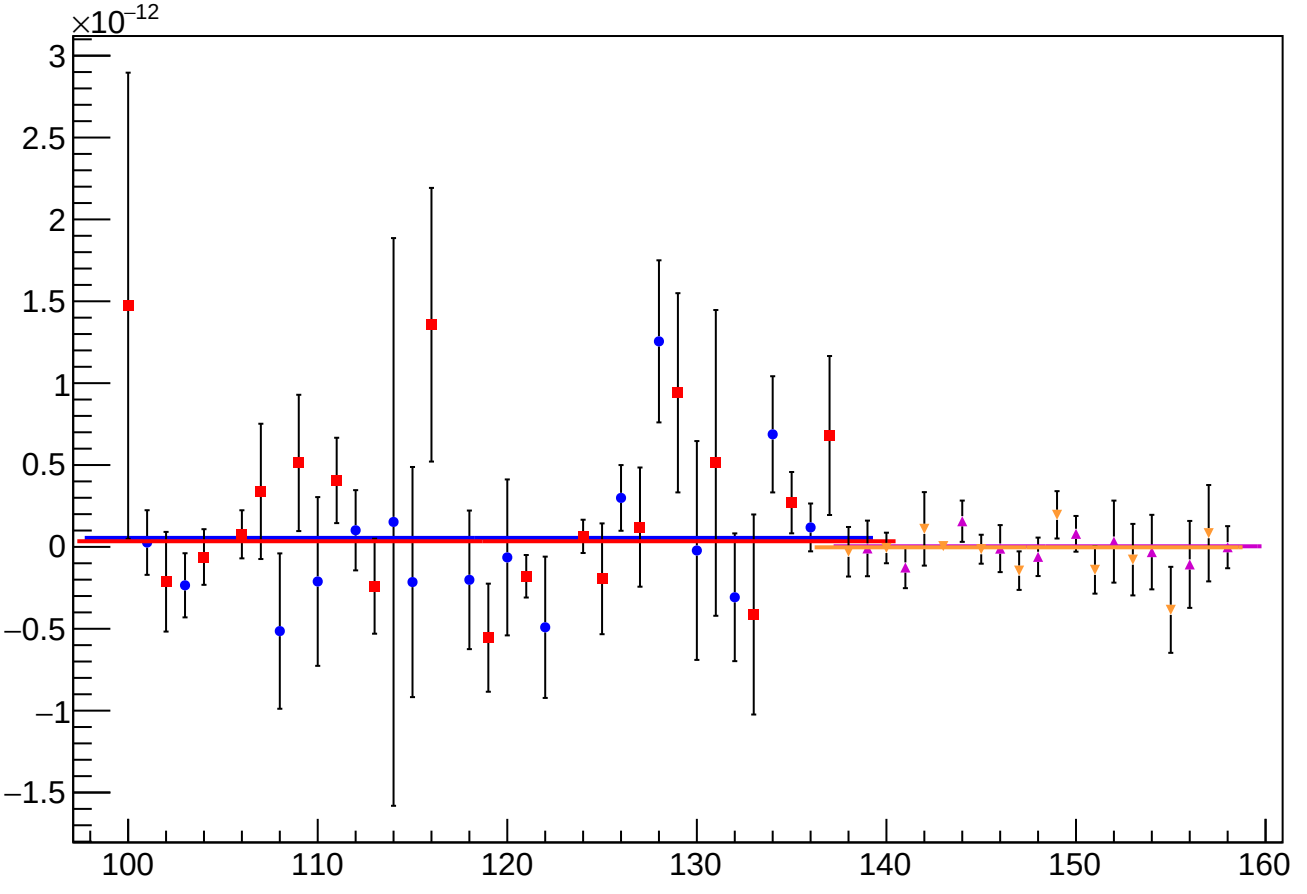
Left In: 5222.013+/-1.266 χ^2/NDF:362997.3/9

+ sign 4066.379+/-0.752 χ^2/NDF: 2401244.3/26

All: 4074.043+/-0.531 χ^2/NDF: 4678407.5/55

- sign 4081.628+/-0.749 χ^2/NDF: 2276956.8/28

asym_atr1l2_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

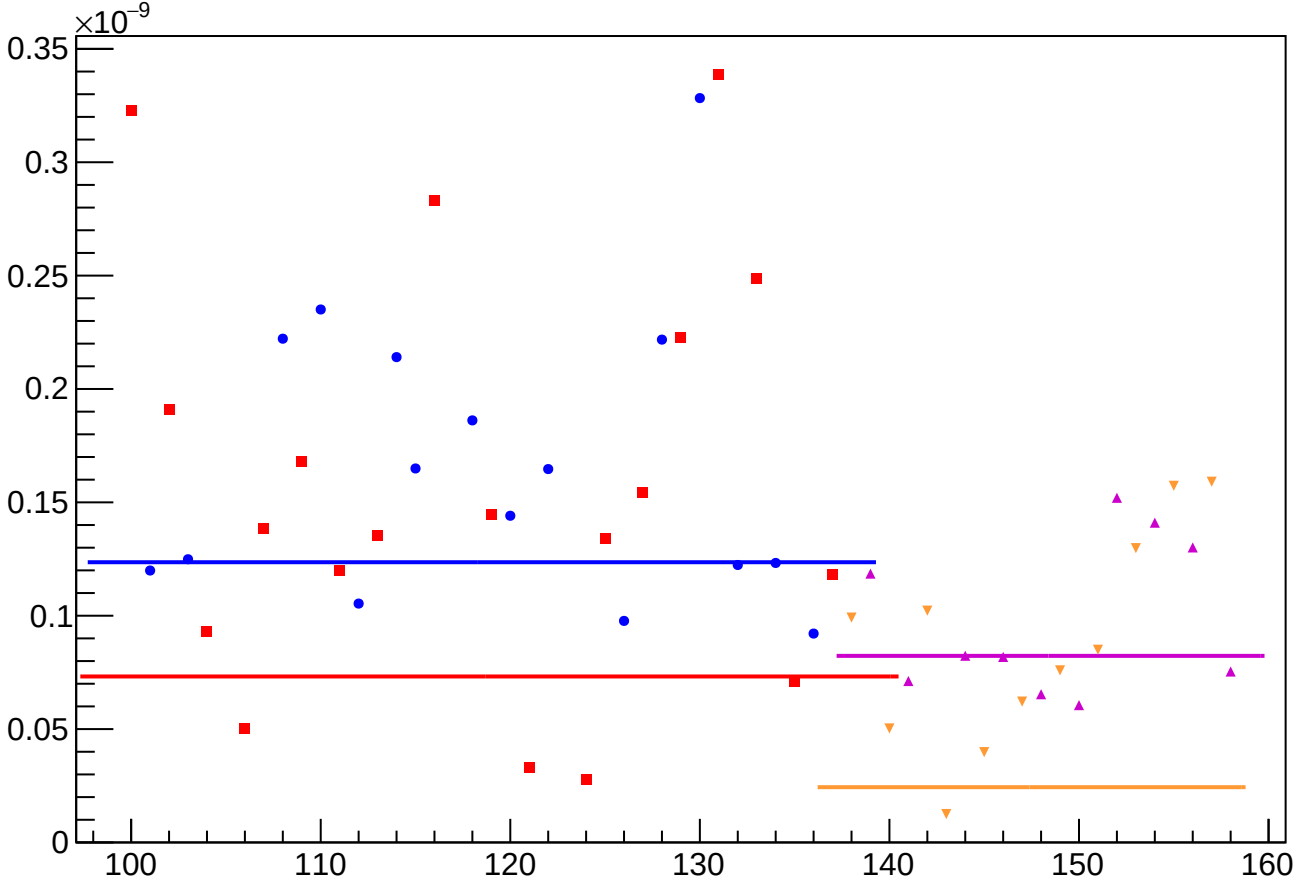
Left In: 0.000+/-0.000 χ^2/NDF:3.5/9

+ sign 0.000+/-0.000 χ^2/NDF: 25.3/26

All: 0.000+/-0.000 χ^2/NDF: 51.4/55

- sign 0.000+/-0.000 χ^2/NDF: 26.0/28

asym_atr1l2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 662149.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:3707364.4/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2188857.9/18

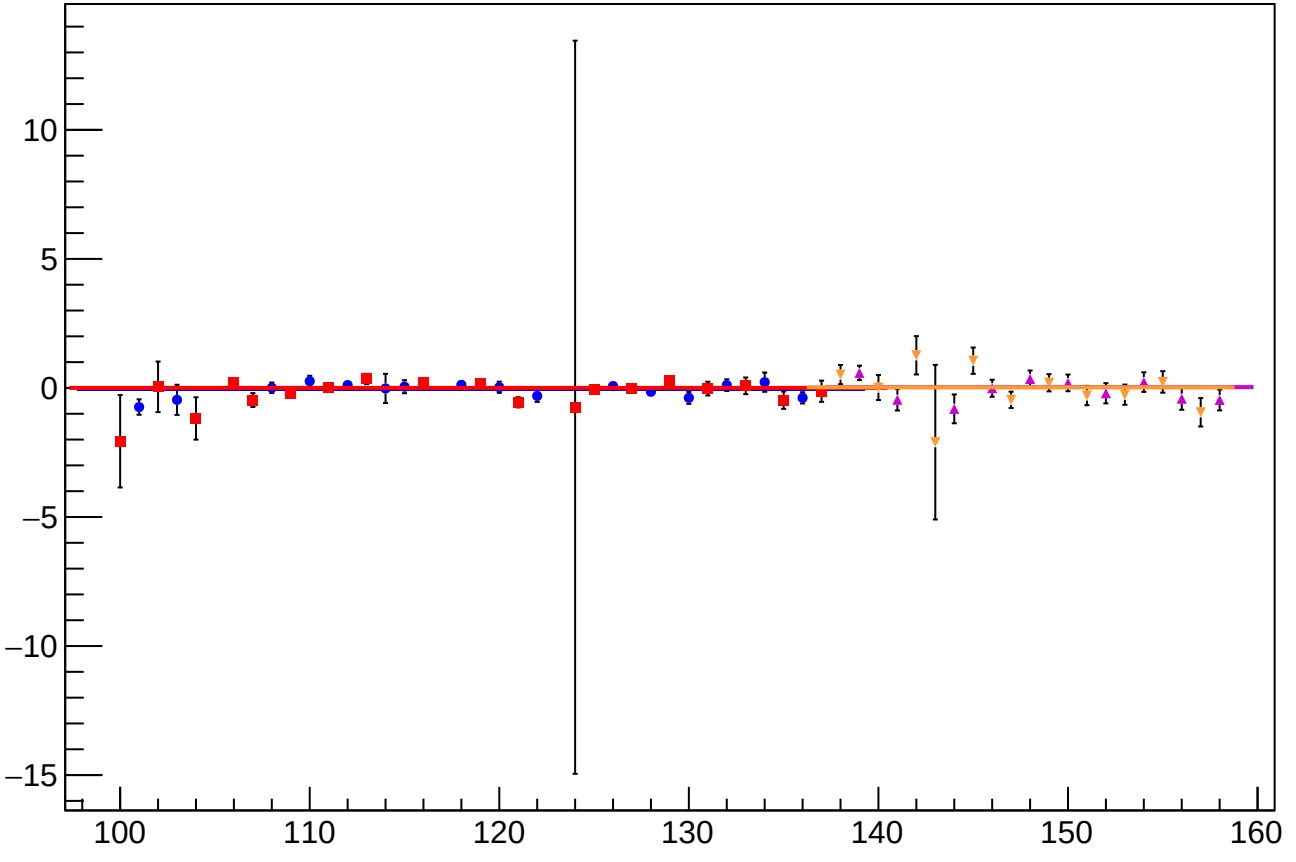
Left In: 0.000+/-0.000 χ^2/NDF:586318.1/9

+ sign 0.000+/-0.000 χ^2/NDF: 7793323.2/26

All: 0.000+/-0.000 χ^2/NDF: 13418948.4/55

- sign 0.000+/-0.000 χ^2/NDF: 2808610.9/28

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.026+/-0.130 χ^2/NDF:16.4/10

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

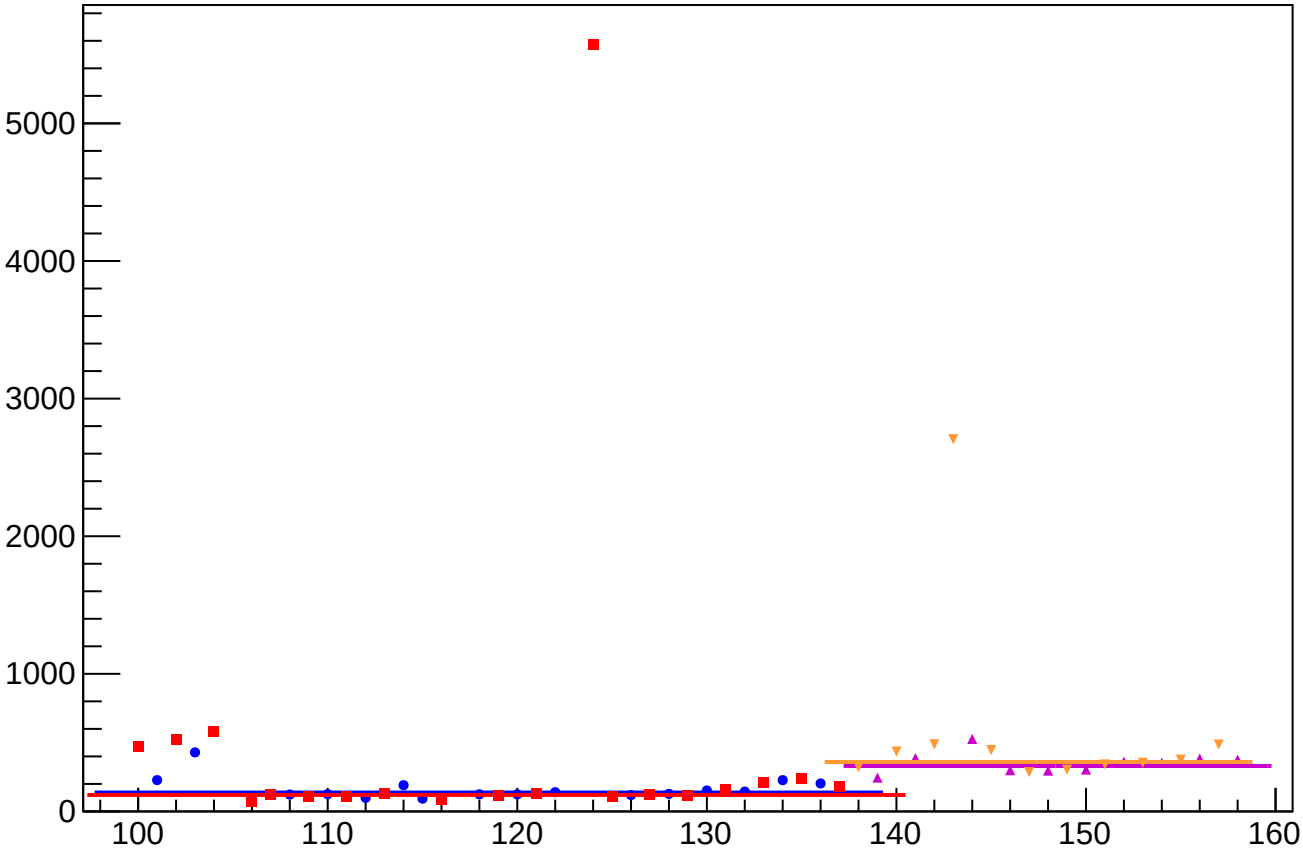
Left In: 0.033+/-0.115 χ^2/NDF:12.0/9

+ sign -0.029+/-0.051 χ^2/NDF: 34.5/26

All: -0.009+/-0.034 χ^2/NDF: 75.6/55

- sign 0.008+/-0.047 χ^2/NDF: 40.8/28

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 359.479+/-0.092 χ^2/NDF:1693747.6/10

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

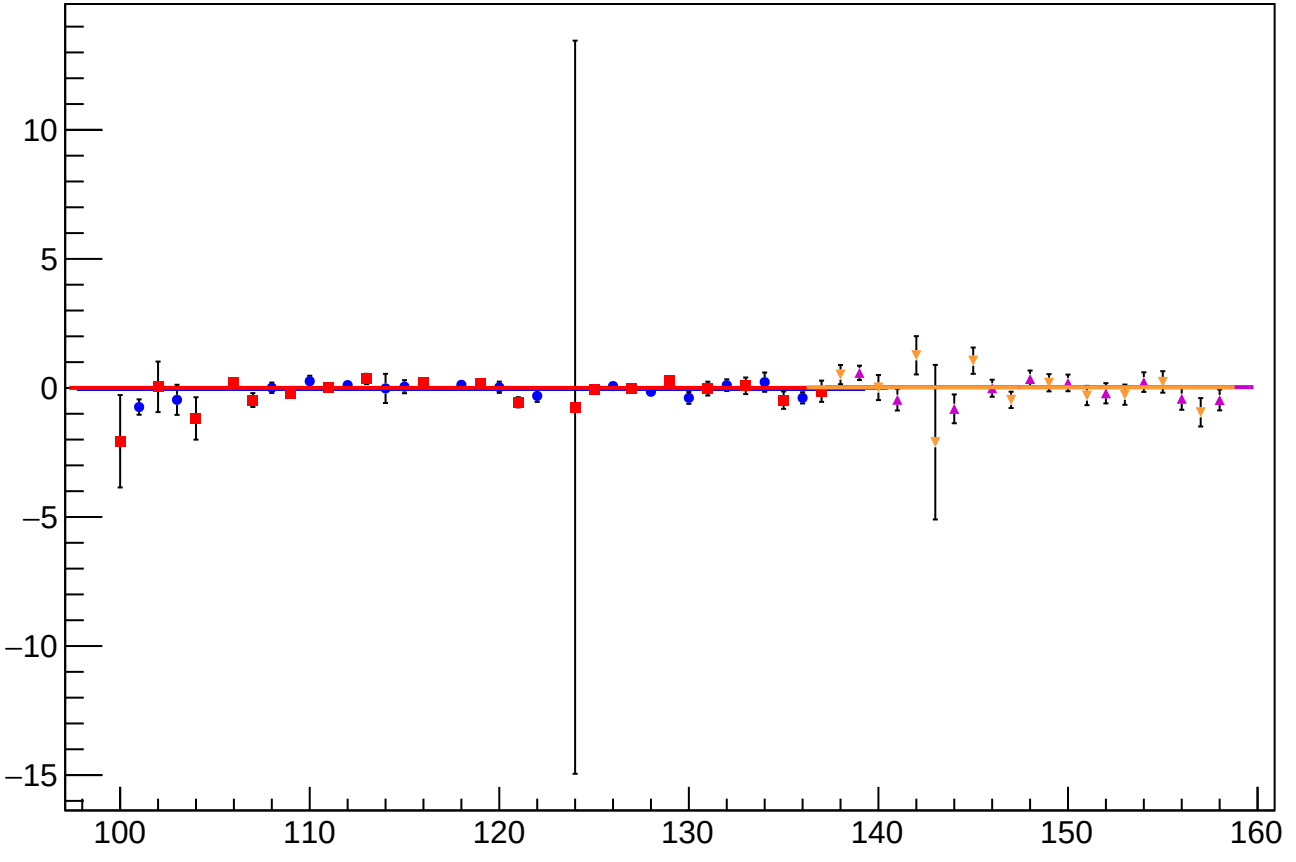
Left In: 330.197+/-0.082 χ^2/NDF:599606.3/9

+ sign 171.840+/-0.036 χ^2/NDF: 7871334.6/26

All: 162.187+/-0.024 χ^2/NDF: 16286847.1/55

- sign 154.226+/-0.033 χ^2/NDF: 8286347.0/28

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.026+/-0.130 χ^2/NDF:16.4/10

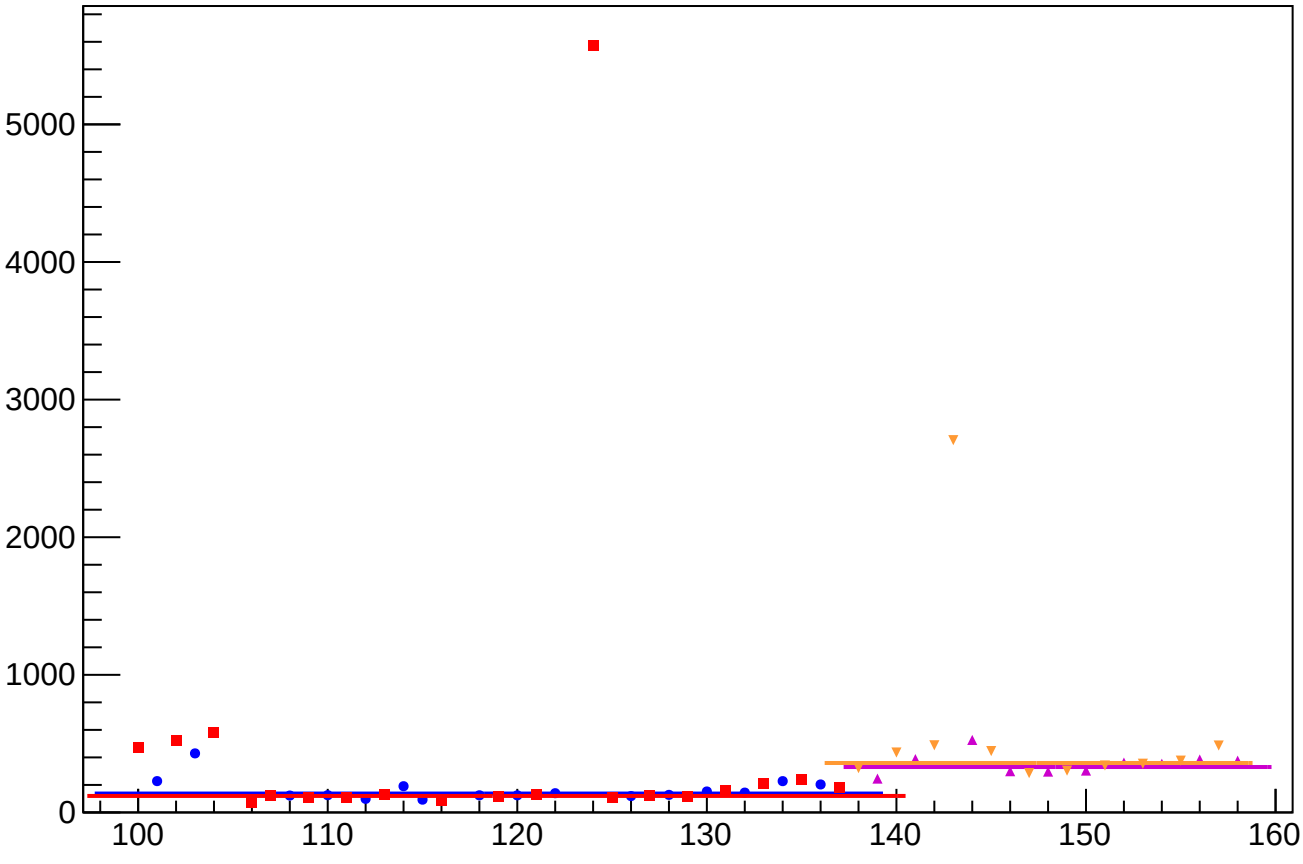
Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.033+/-0.115 χ^2/NDF:12.0/9

\+ sign -0.029+/-0.051 χ^2/NDF: 34.5/26

All: -0.009+/-0.034 χ^2/NDF: 75.6/55

\- sign 0.008+/-0.047 χ^2/NDF: 40.8/28



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 359.479+/-0.092 χ^2/NDF:1693747.6/10

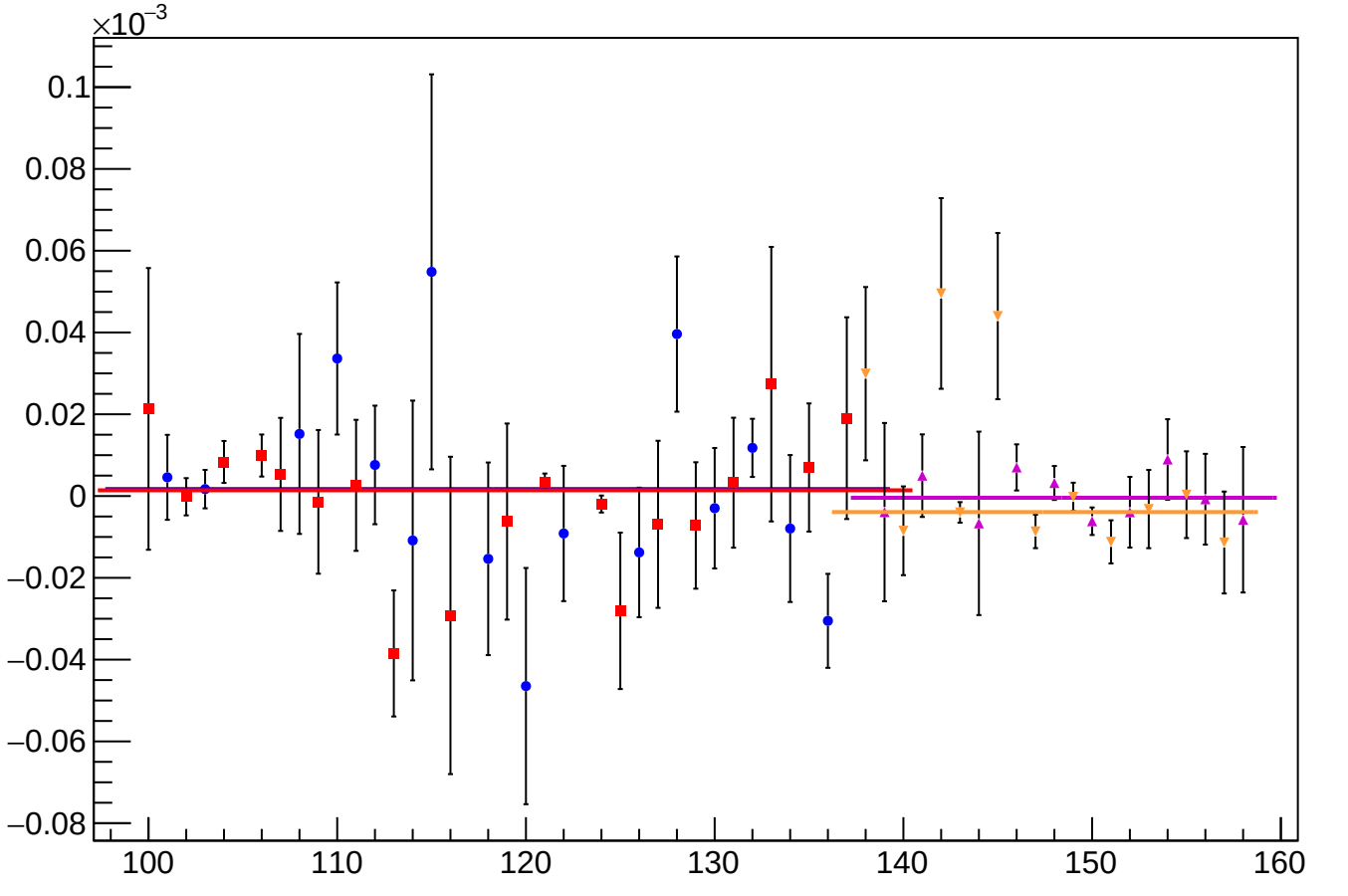
Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 330.197+/-0.082 χ^2/NDF:599606.3/9

+ sign 171.840+/-0.036 χ^2/NDF: 7871334.6/26

All: 162.187+/-0.024 χ^2/NDF: 16286847.1/55

- sign 154.226+/-0.033 χ^2/NDF: 8286347.0/28



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.5/10

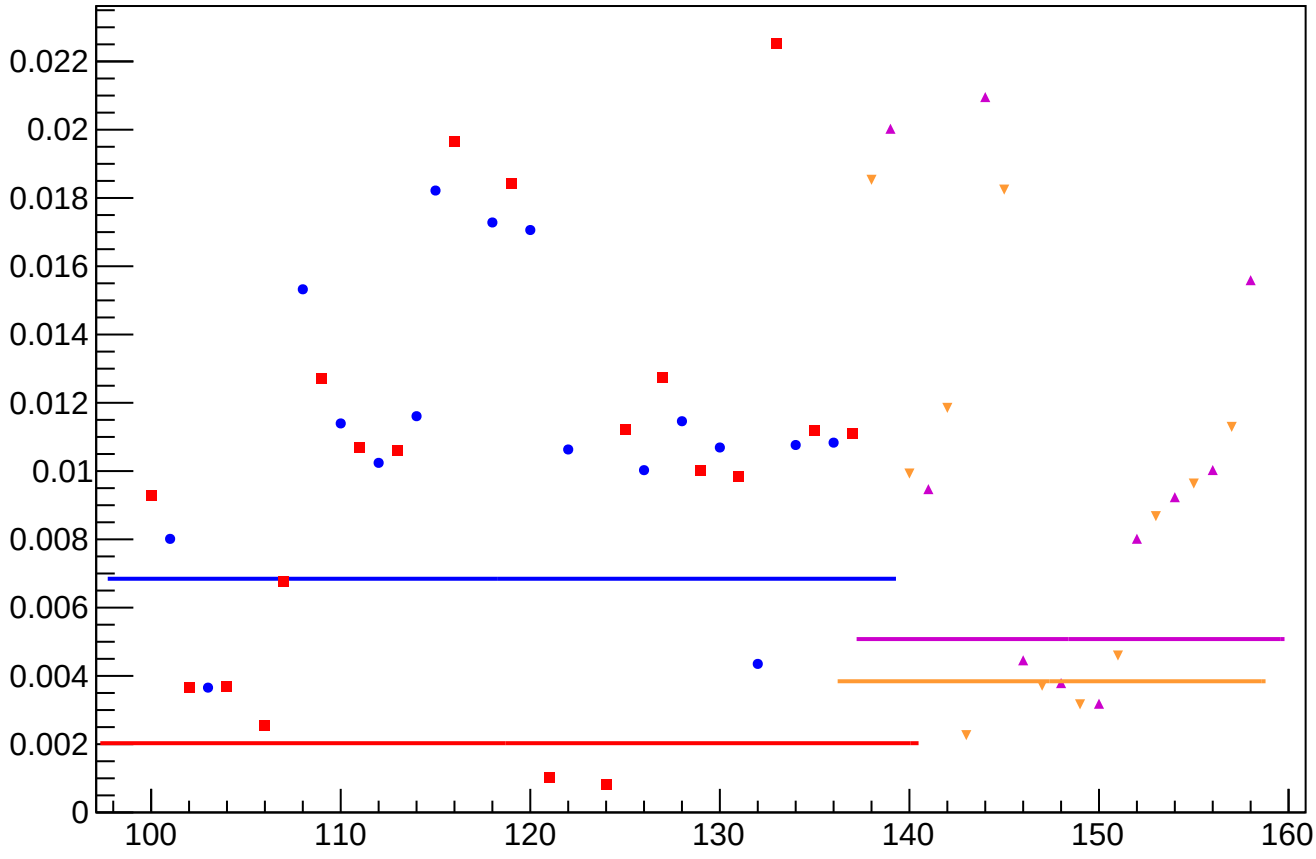
Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: -0.000+/-0.000 χ^2/NDF:7.0/9

+ sign -0.000+/-0.000 χ^2/NDF: 45.0/26

All: -0.000+/-0.000 χ^2/NDF: 76.7/55

- sign 0.000+/-0.000 χ^2/NDF: 27.8/28



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:5557805.0/10

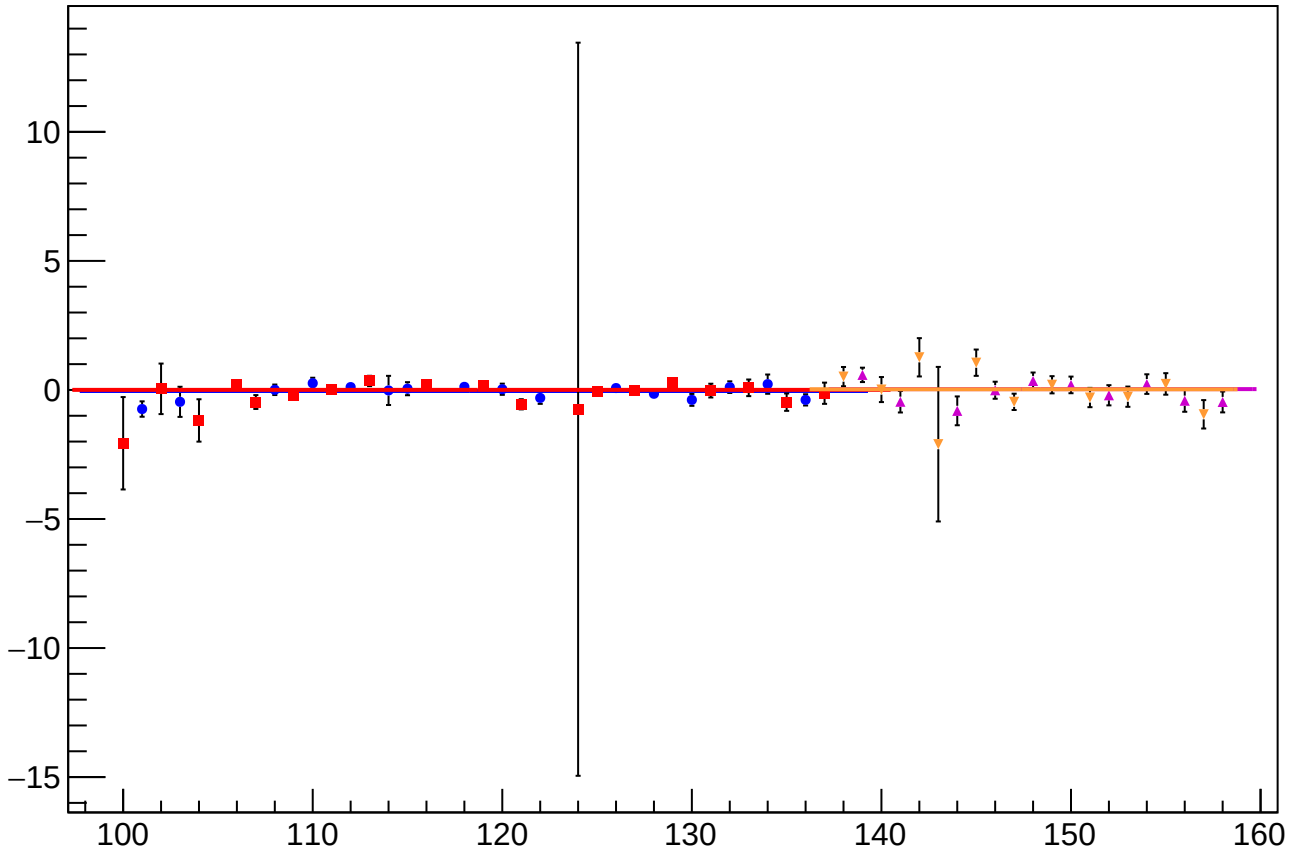
Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

Left In: 0.005+/-0.000 χ^2/NDF:4855615.7/9

+ sign 0.005+/-0.000 χ^2/NDF: 10363111.0/26

All: 0.003+/-0.000 χ^2/NDF: 29149469.5/55

- sign 0.003+/-0.000 χ^2/NDF: 16969517.0/28



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.026+/-0.130 χ^2/NDF:16.4/10

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

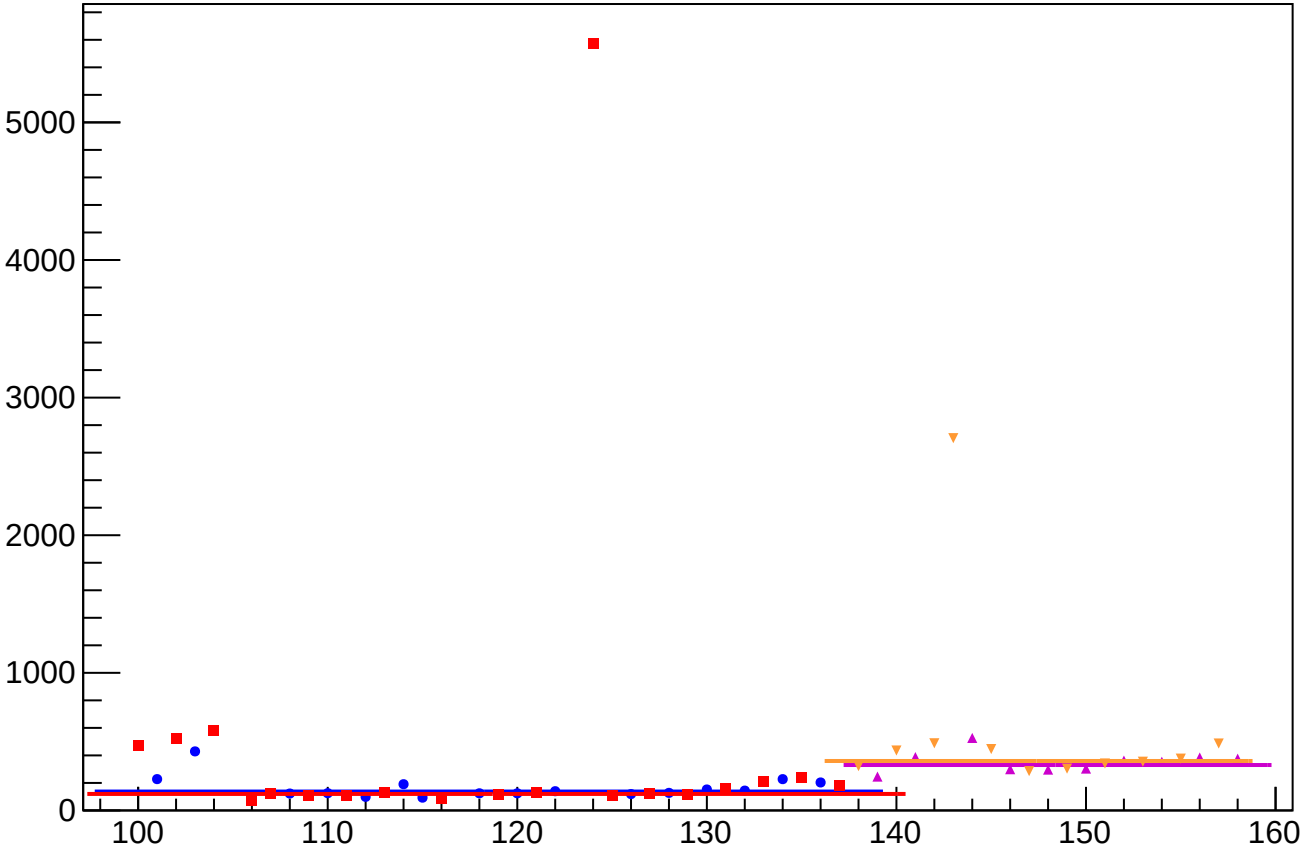
Left In: 0.033+/-0.115 χ^2/NDF:12.0/9

\+ sign -0.029+/-0.051 χ^2/NDF: 34.5/26

All: -0.009+/-0.034 χ^2/NDF: 75.6/55

\- sign 0.008+/-0.047 χ^2/NDF: 40.8/28

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 359.482+/-0.092 χ^2/NDF:1693786.8/10

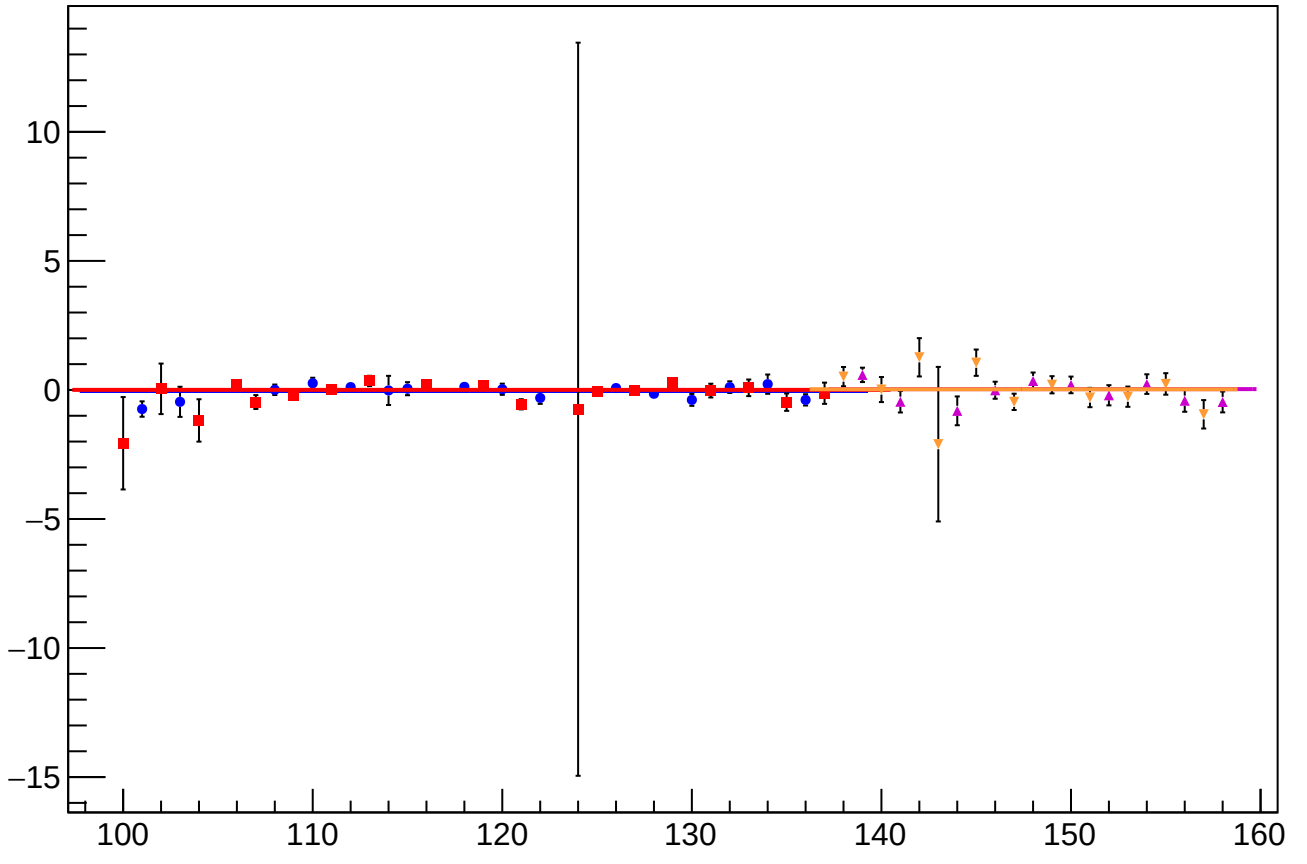
Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 330.201+/-0.082 χ^2/NDF:599602.4/9

+ sign 171.841+/-0.036 χ^2/NDF: 7871328.6/26

All: 162.188+/-0.024 χ^2/NDF: 16286895.7/55

- sign 154.226+/-0.033 χ^2/NDF: 8286386.0/28



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.026+/-0.130 χ^2/NDF:16.4/10

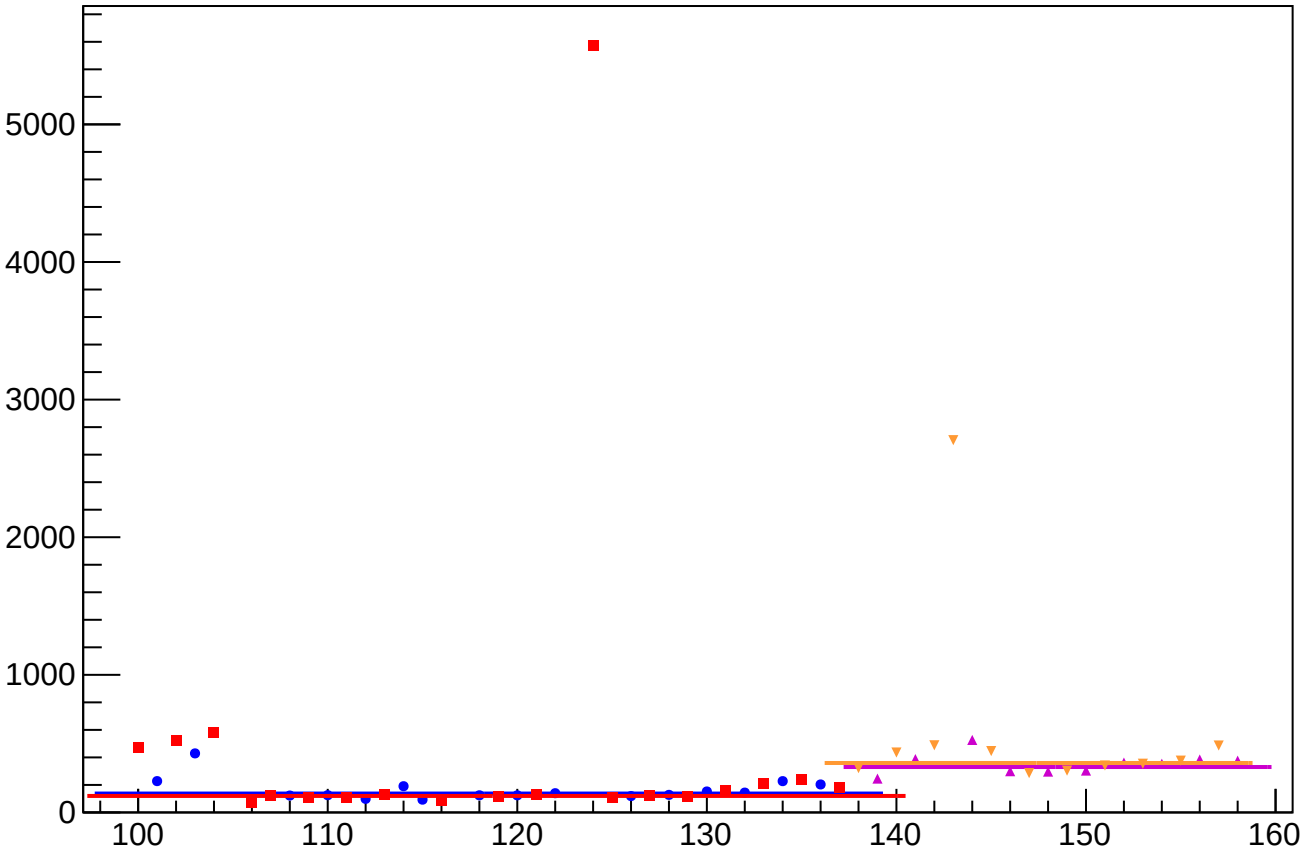
Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.033+/-0.115 χ^2/NDF:12.0/9

\+ sign -0.029+/-0.051 χ^2/NDF: 34.5/26

All: -0.009+/-0.034 χ^2/NDF: 75.6/55

\- sign 0.008+/-0.047 χ^2/NDF: 40.8/28



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 359.482+/-0.092 χ^2/NDF:1693786.8/10

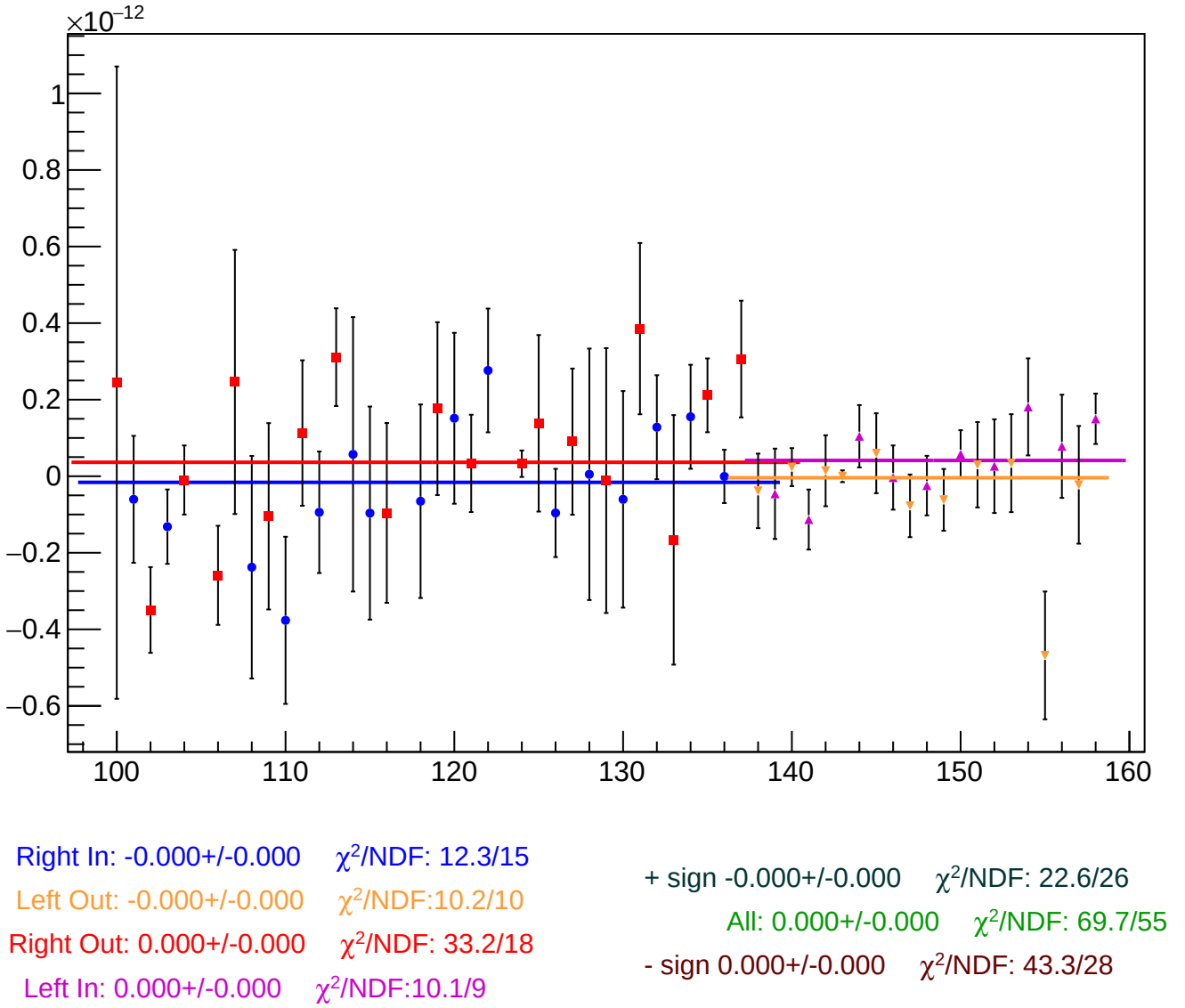
Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

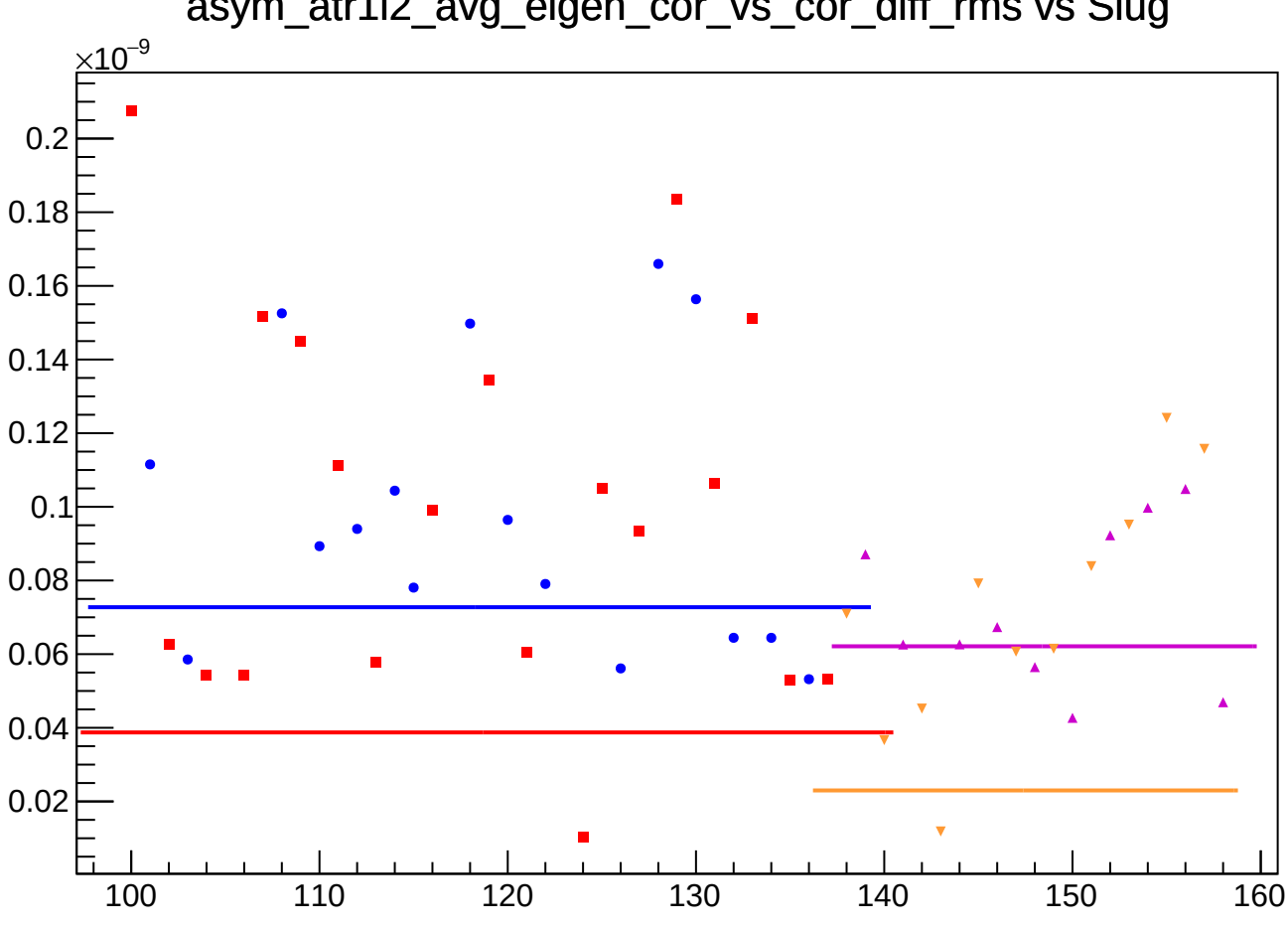
Left In: 330.201+/-0.082 χ^2/NDF:599602.4/9

+ sign 171.841+/-0.036 χ^2/NDF: 7871328.6/26

All: 162.188+/-0.024 χ^2/NDF: 16286895.7/55

- sign 154.226+/-0.033 χ^2/NDF: 8286386.0/28


asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10⁻¹²
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 12.3/15
Left Out: -0.000+/-0.000 χ²/NDF:10.2/10
Right Out: 0.000+/-0.000 χ²/NDF: 33.2/18
Left In: 0.000+/-0.000 χ²/NDF:10.1/9
+ sign -0.000+/-0.000 χ²/NDF: 22.6/26
All: 0.000+/-0.000 χ²/NDF: 69.7/55
- sign 0.000+/-0.000 χ²/NDF: 43.3/28



Right In: 0.000+/-0.000 χ^2/NDF: 1128031.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:5947874.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 4266020.5/18

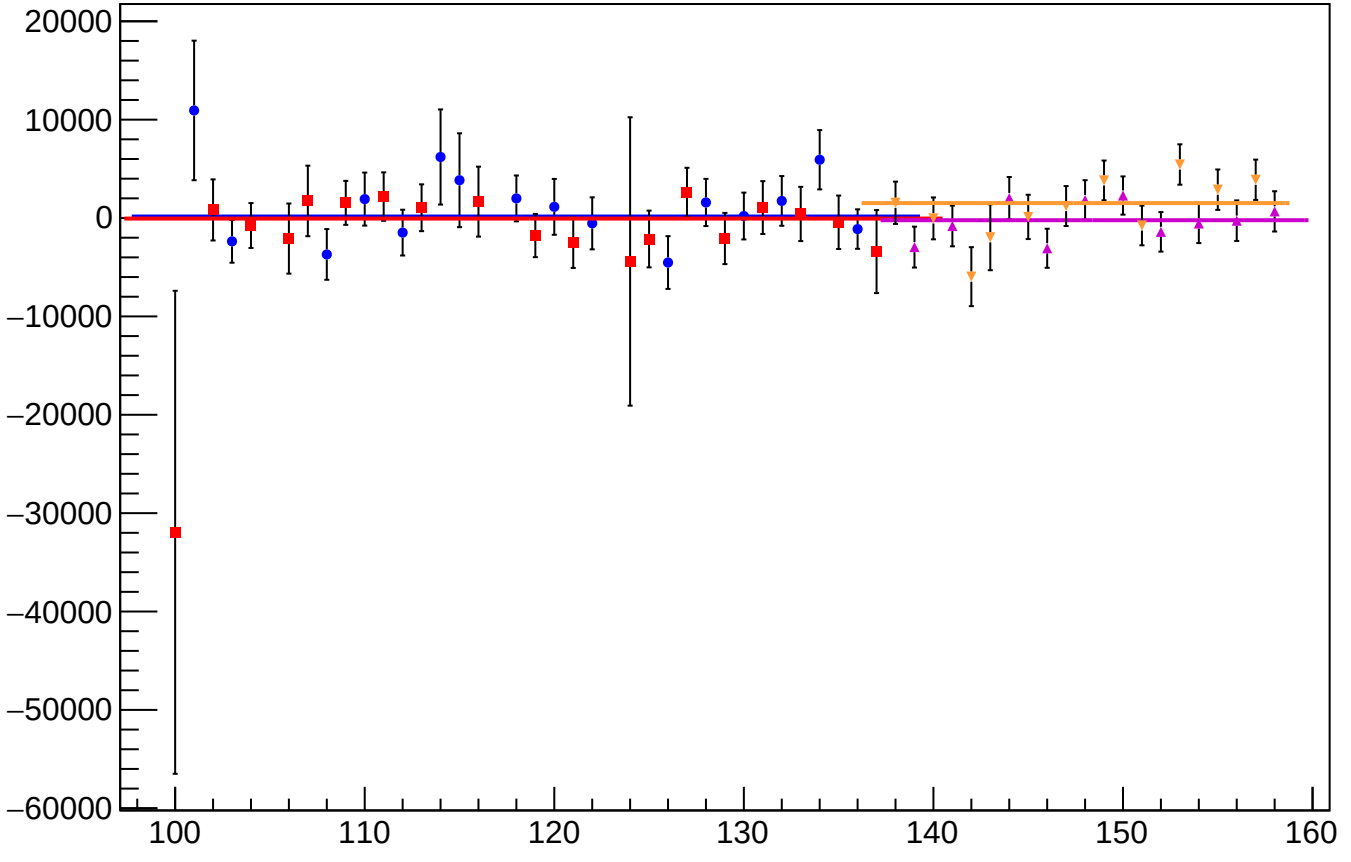
Left In: 0.000+/-0.000 χ^2/NDF:905974.2/9

+ sign 0.000+/-0.000 χ^2/NDF: 10229067.7/26

All: 0.000+/-0.000 χ^2/NDF: 17917243.7/55

- sign 0.000+/-0.000 χ^2/NDF: 5965179.2/28

reg_asym_atr1l2_dd_mean vs Slug



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: 1518.211+/-662.080 χ^2/NDF:16.3/10

Right Out: -54.106+/-655.266 χ^2/NDF: 9.0/18

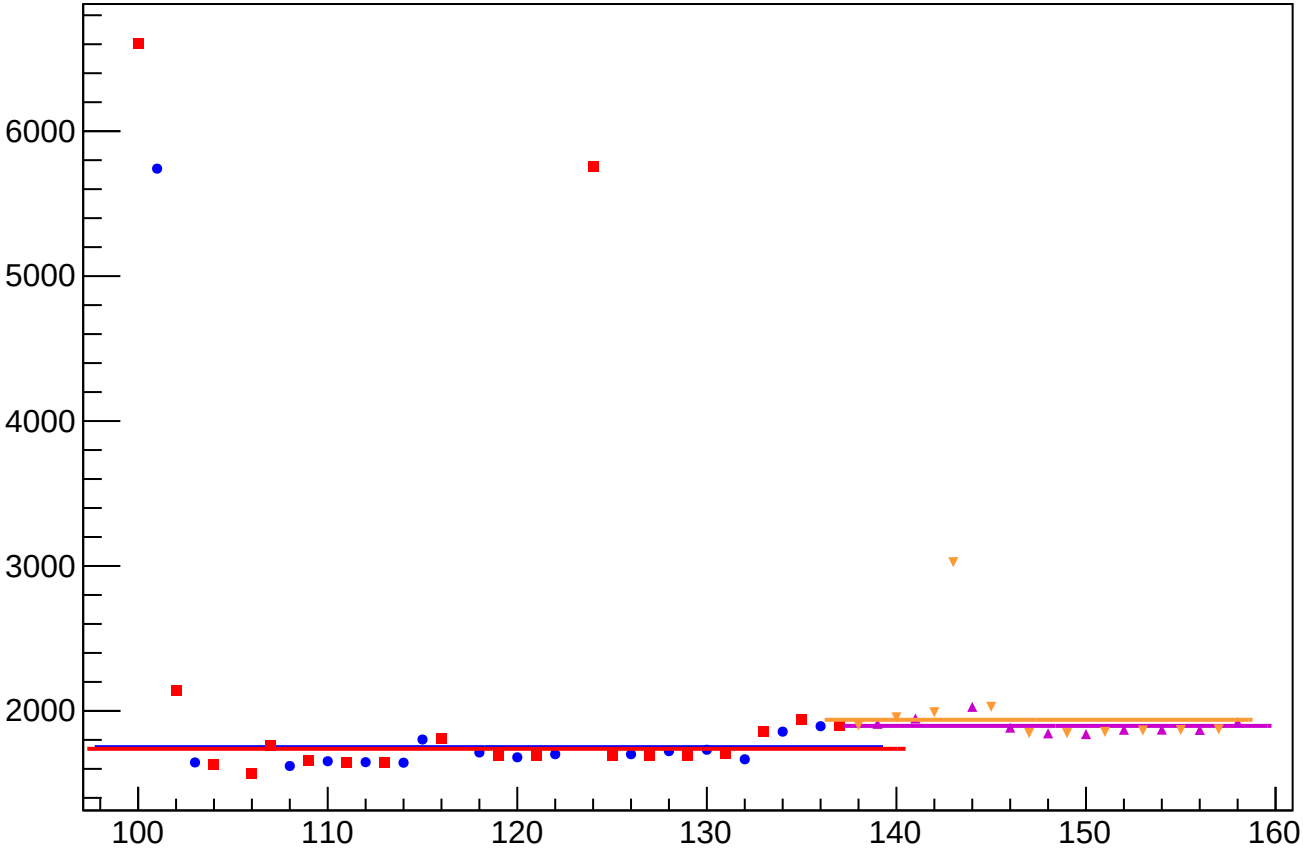
Left In: -222.033+/-642.364 χ^2/NDF:8.3/9

+ sign 839.558+/-469.901 χ^2/NDF: 36.0/26

All: 338.113+/-328.243 χ^2/NDF: 55.5/55

- sign -139.739+/-458.714 χ^2/NDF: 17.3/28

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 1938.742+/-0.468 χ^2/NDF:233969.6/10

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

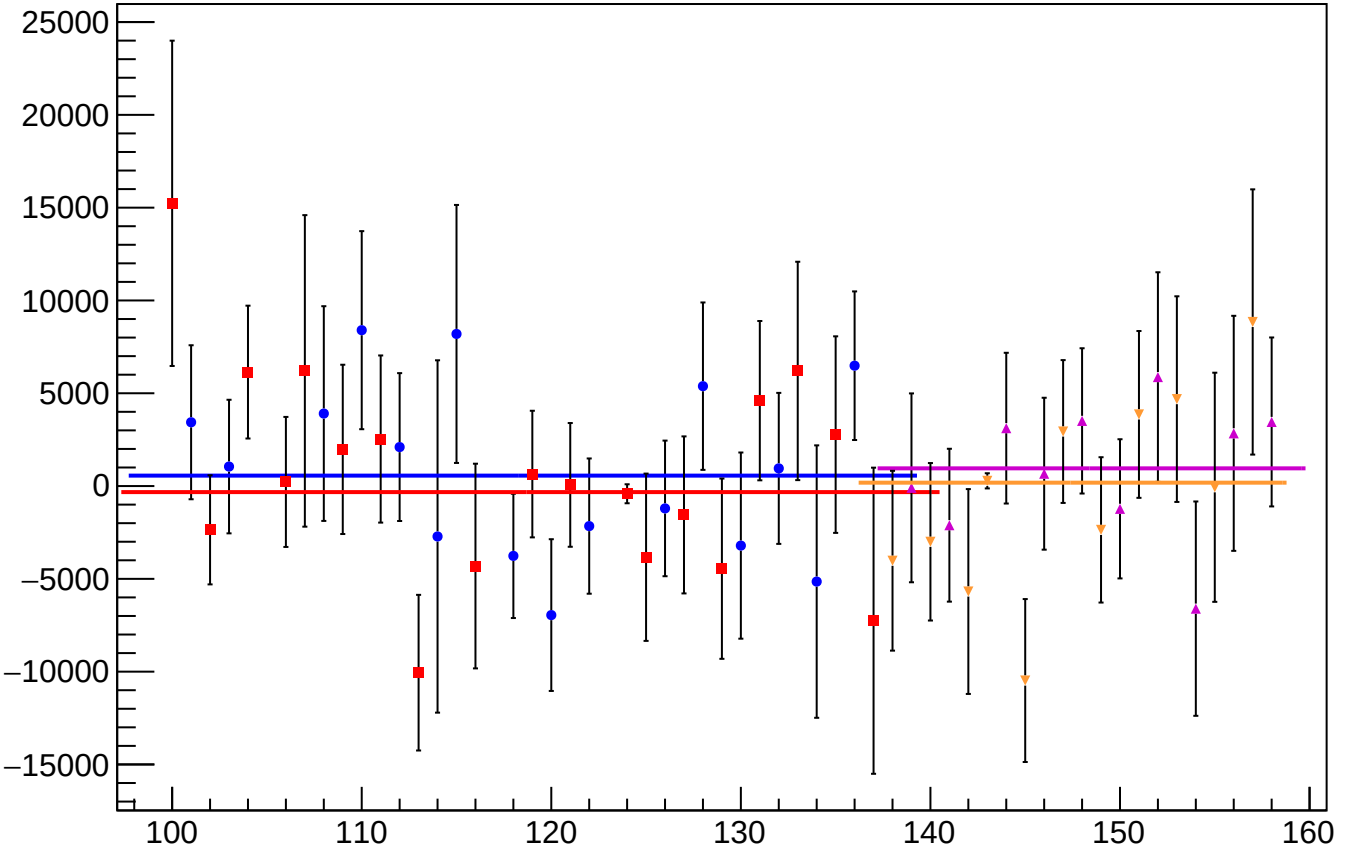
Left In: 1896.605+/-0.454 χ^2/NDF:13271.2/9

+ sign 1845.006+/-0.332 χ^2/NDF: 984323.7/26

All: 1831.406+/-0.232 χ^2/NDF: 1365175.0/55

- sign 1818.539+/-0.323 χ^2/NDF: 377590.9/28

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 182.354+/-394.707 χ^2/NDF:12.1/10

Right Out: -325.567+/-457.948 χ^2/NDF: 19.2/18

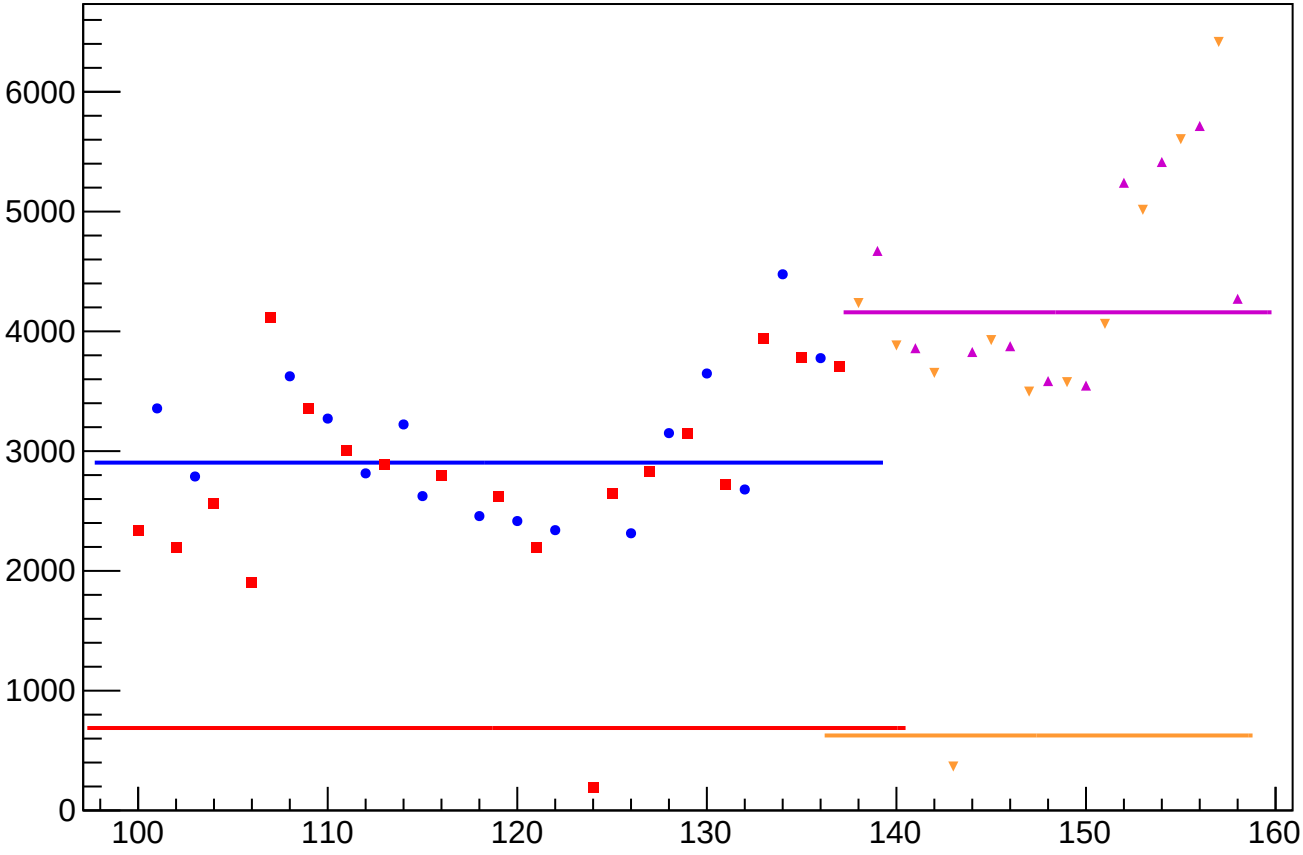
Left In: 954.132+/-1430.128 χ^2/NDF:4.5/9

+ sign 225.617+/-371.558 χ^2/NDF: 27.1/26

All: 43.865+/-282.834 χ^2/NDF: 52.1/55

- sign -206.553+/-436.134 χ^2/NDF: 24.5/28

asym_atr1l2_dd_reg_correction_rms vs Slug



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 626.005+/-0.279 χ^2/NDF:12111873.2/10

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

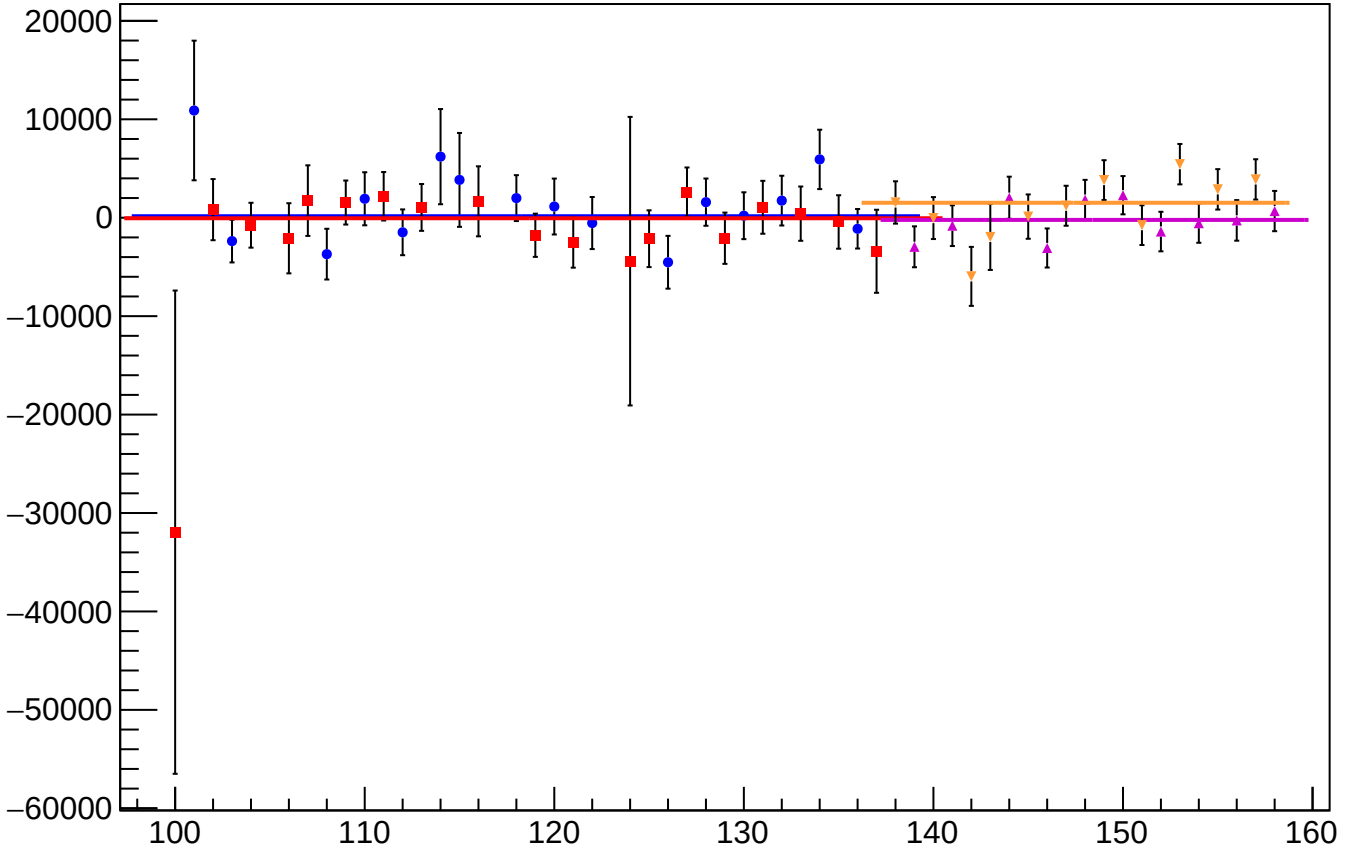
Left In: 4159.077+/-1.011 χ^2/NDF:439866.7/9

+ sign 885.372+/-0.263 χ^2/NDF: 20176729.9/26

All: 938.249+/-0.200 χ^2/NDF: 41545864.5/55

- sign 1011.104+/-0.308 χ^2/NDF: 21272818.9/28

cor_asym_atr1l2_dd_mean vs Slug



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 1518.148+/-662.080 χ^2/NDF:16.3/10

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

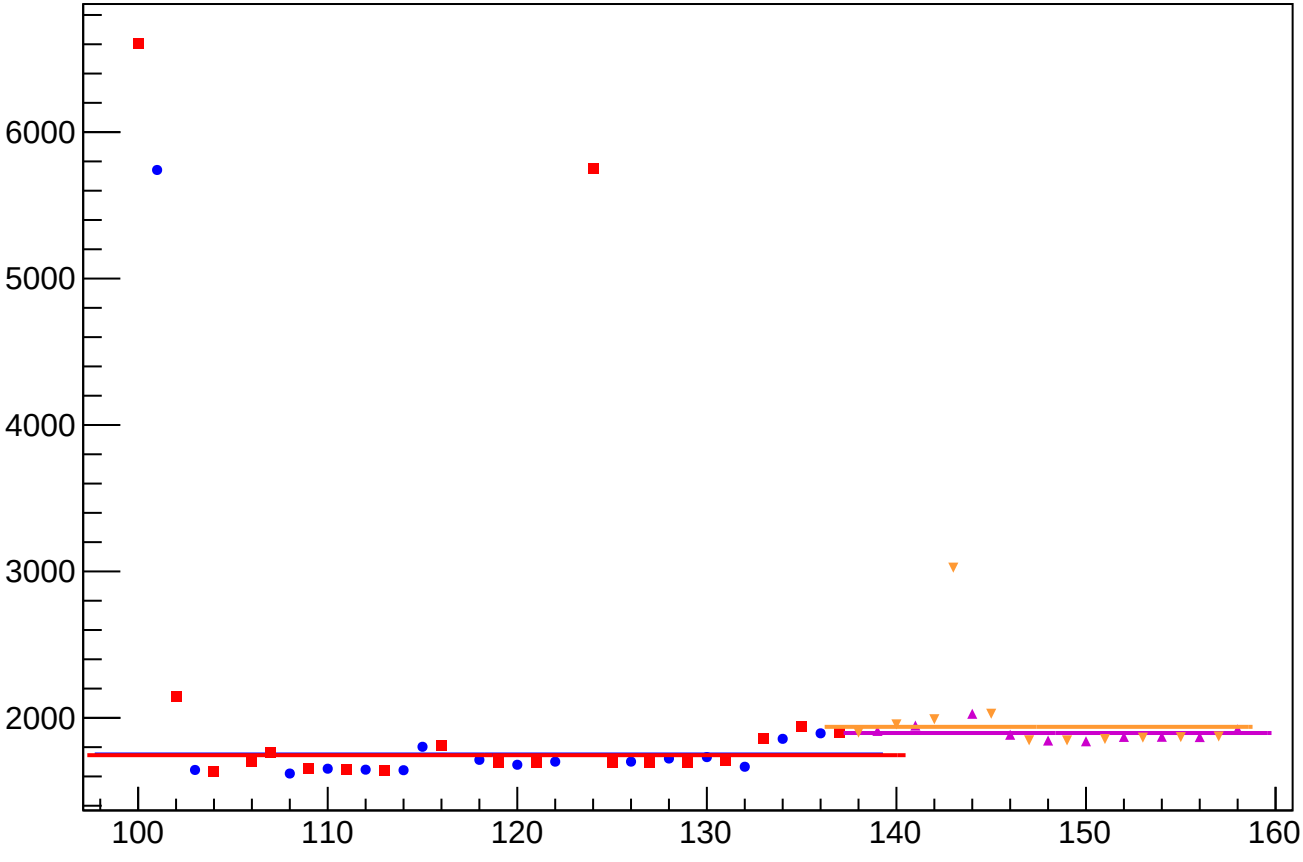
Left In: -221.993+/-642.364 χ^2/NDF:8.3/9

+ sign 839.295+/-469.901 χ^2/NDF: 36.0/26

All: 337.982+/-328.243 χ^2/NDF: 55.5/55

- sign -139.744+/-458.714 χ^2/NDF: 17.3/28

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1938.742+/-0.468 χ^2/NDF:233969.6/10

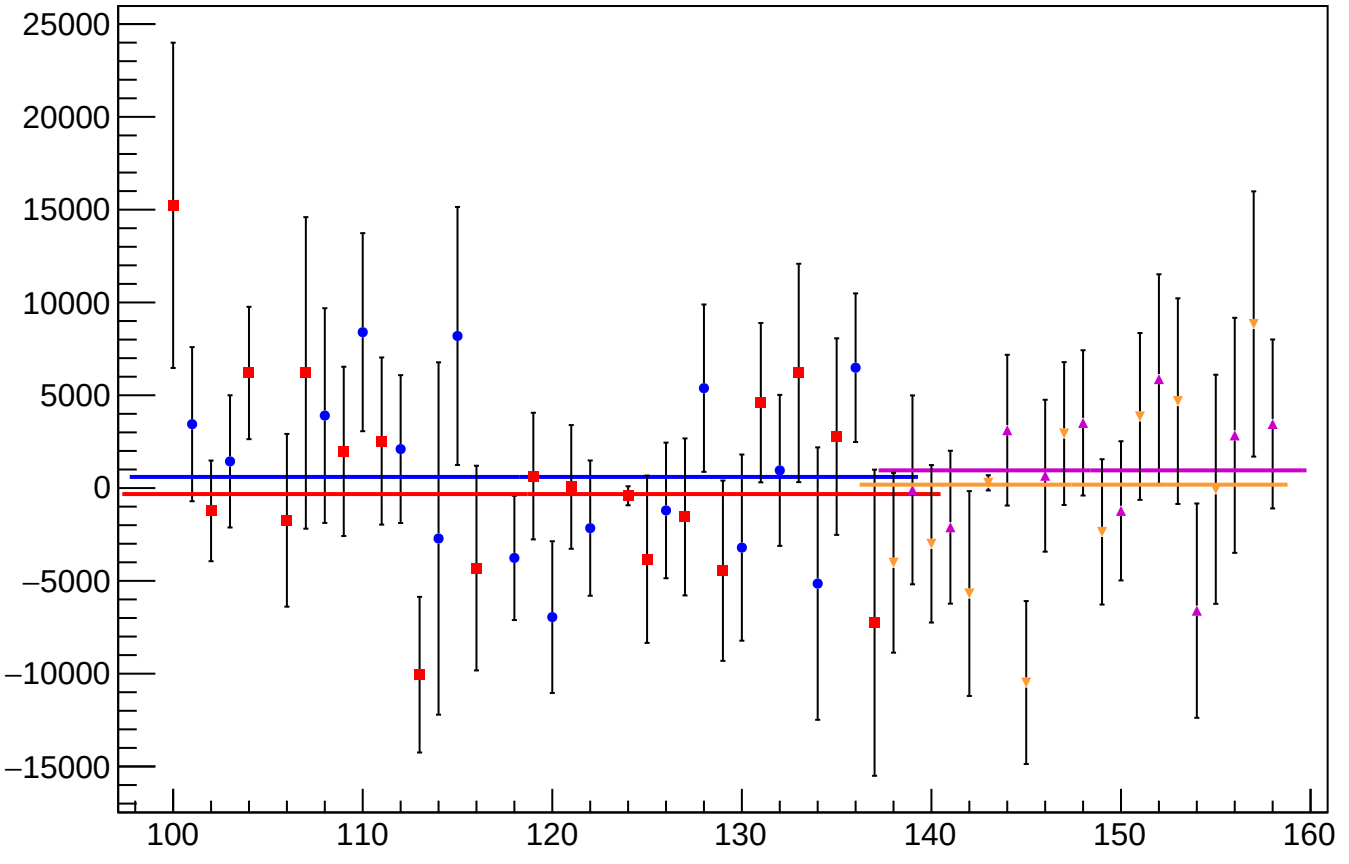
Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1896.605+/-0.454 χ^2/NDF:13271.2/9

+ sign 1845.006+/-0.332 χ^2/NDF: 984324.2/26

All: 1833.266+/-0.232 χ^2/NDF: 1352674.6/55

- sign 1822.119+/-0.324 χ^2/NDF: 365916.5/28



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 183.311+/-394.739 χ^2/NDF:12.1/10

Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

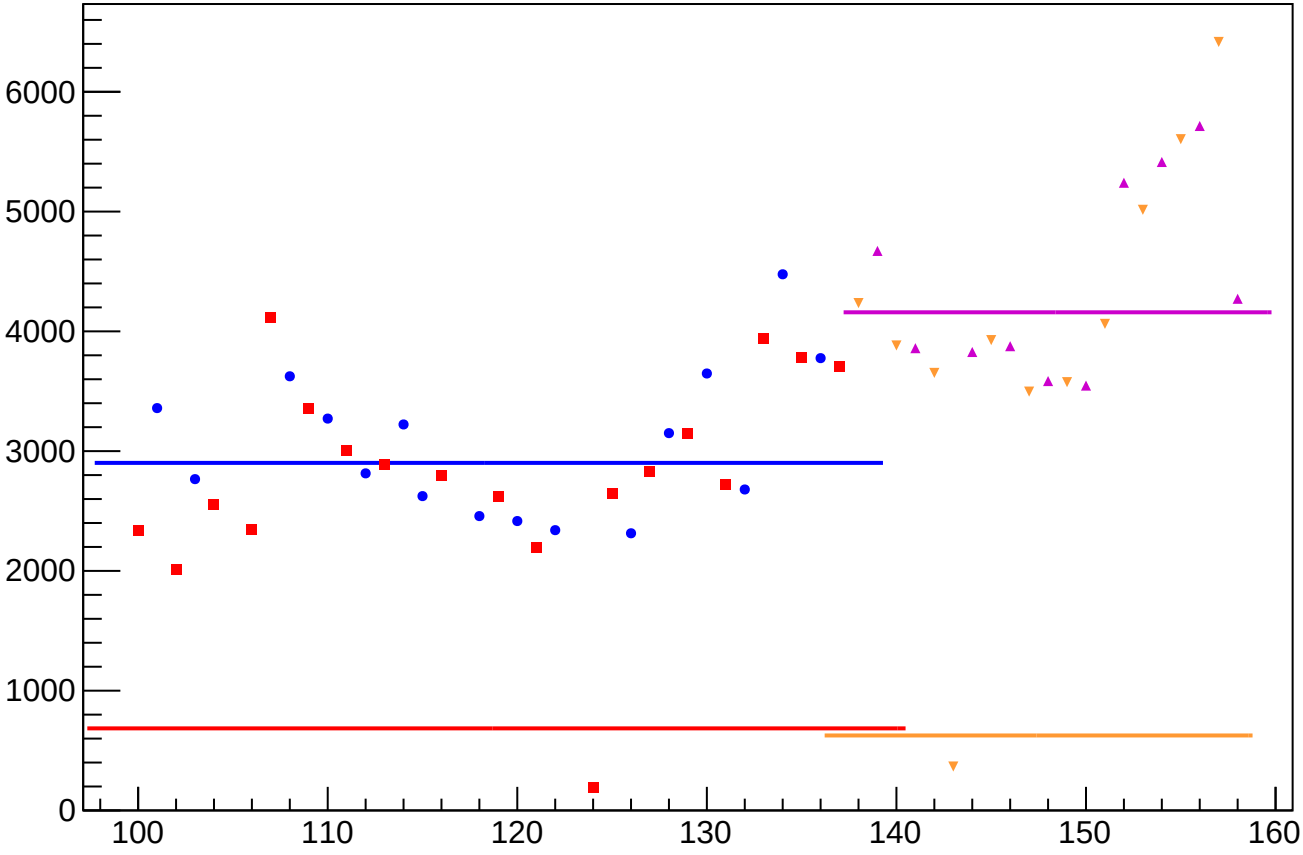
Left In: 954.243+/-1430.125 χ^2/NDF:4.5/9

+ sign 230.863+/-371.545 χ^2/NDF: 27.1/26

All: 48.397+/-283.044 χ^2/NDF: 51.9/55

- sign -203.932+/-436.923 χ^2/NDF: 24.2/28

asym_atr1l2_dd_cor_correction_rms vs Slug



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 626.086+/-0.279 χ^2/NDF:12111480.6/10

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

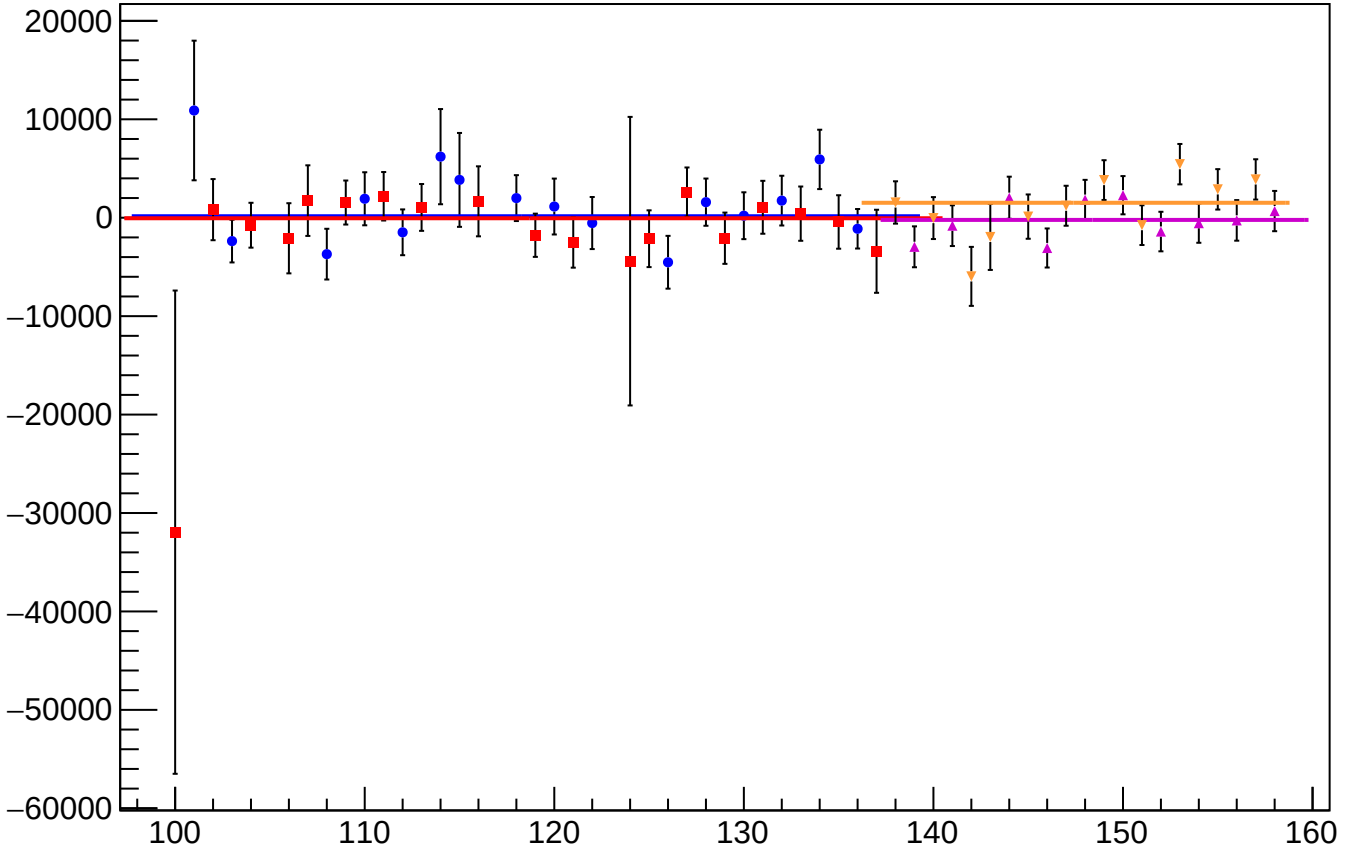
Left In: 4159.068+/-1.011 χ^2/NDF:439875.2/9

+ sign 885.664+/-0.263 χ^2/NDF: 20174838.3/26

All: 937.632+/-0.200 χ^2/NDF: 41512650.2/55

- sign 1009.498+/-0.309 χ^2/NDF: 21244576.7/28

eigen_cor_asym_atr1l2_dd_mean vs Slug



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 1518.148+/-662.080 χ^2/NDF:16.3/10

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

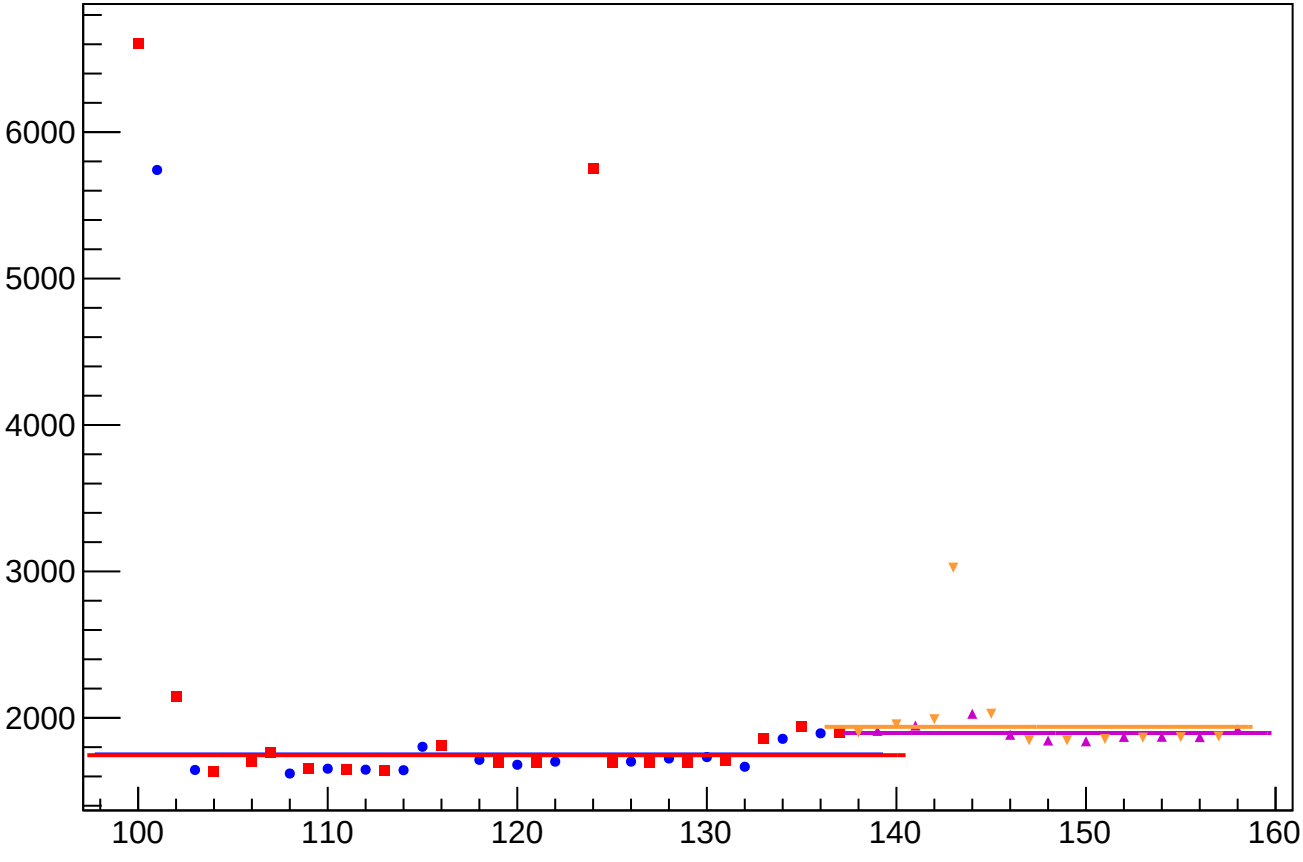
Left In: -221.993+/-642.364 χ^2/NDF:8.3/9

+ sign 839.295+/-469.901 χ^2/NDF: 36.0/26

All: 337.982+/-328.243 χ^2/NDF: 55.5/55

- sign -139.744+/-458.714 χ^2/NDF: 17.3/28

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1938.742+/-0.468 χ^2/NDF:233969.6/10

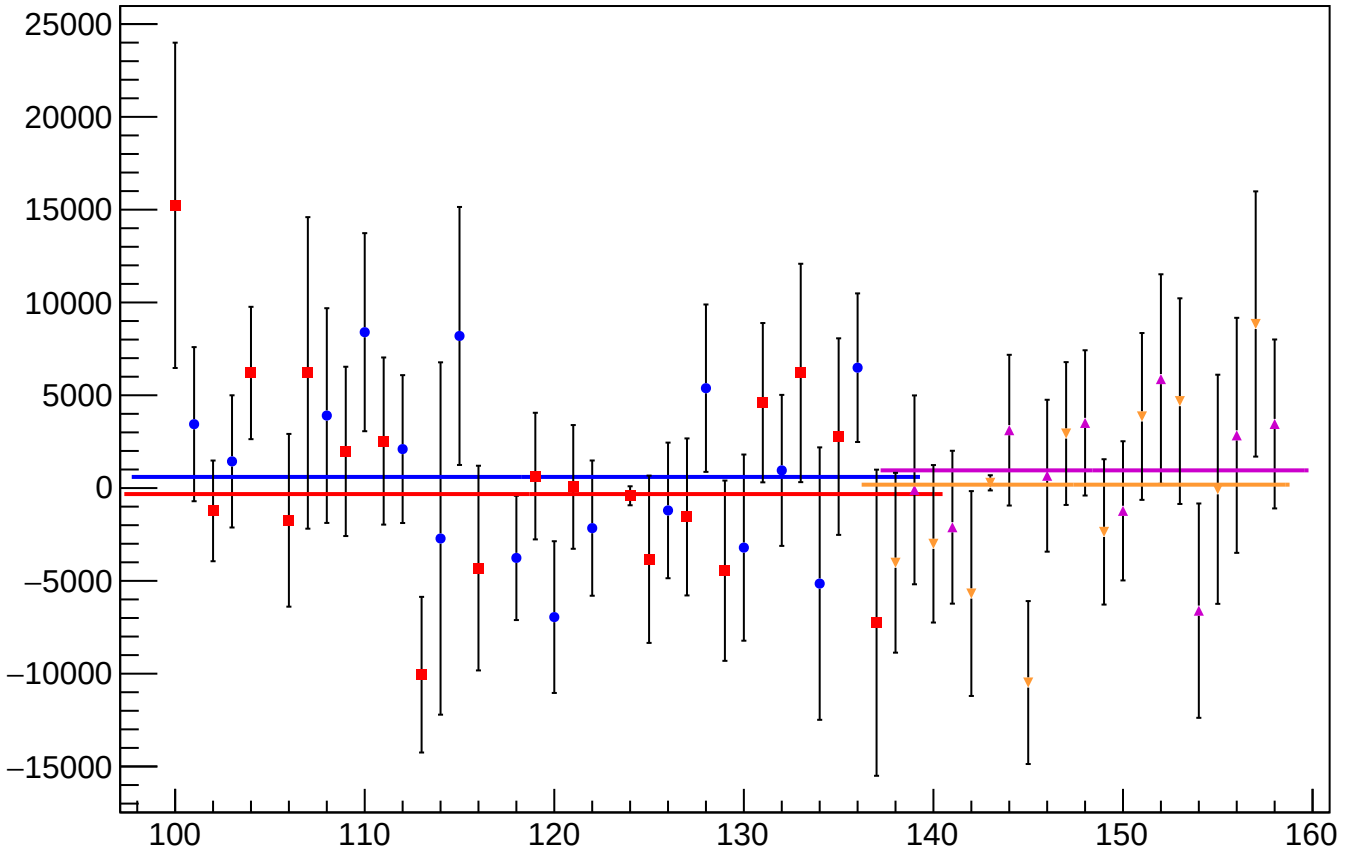
Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1896.605+/-0.454 χ^2/NDF:13271.2/9

+ sign 1845.006+/-0.332 χ^2/NDF: 984324.2/26

All: 1833.266+/-0.232 χ^2/NDF: 1352674.6/55

- sign 1822.119+/-0.324 χ^2/NDF: 365916.5/28



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 183.311+/-394.739 χ^2/NDF:12.1/10

Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

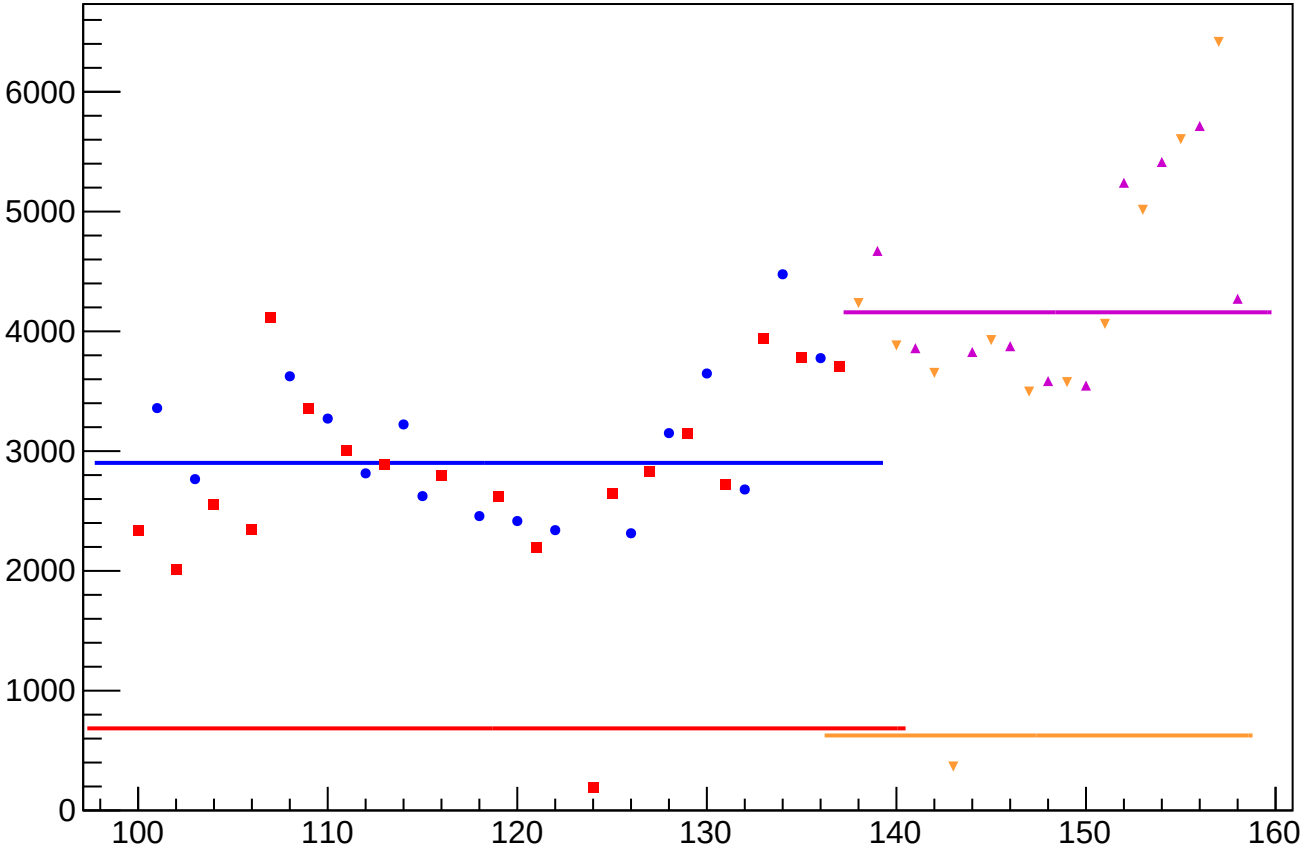
Left In: 954.243+/-1430.125 χ^2/NDF:4.5/9

+ sign 230.863+/-371.545 χ^2/NDF: 27.1/26

All: 48.397+/-283.044 χ^2/NDF: 51.9/55

- sign -203.932+/-436.923 χ^2/NDF: 24.2/28

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 626.086+/-0.279 χ^2/NDF:12111480.6/10

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

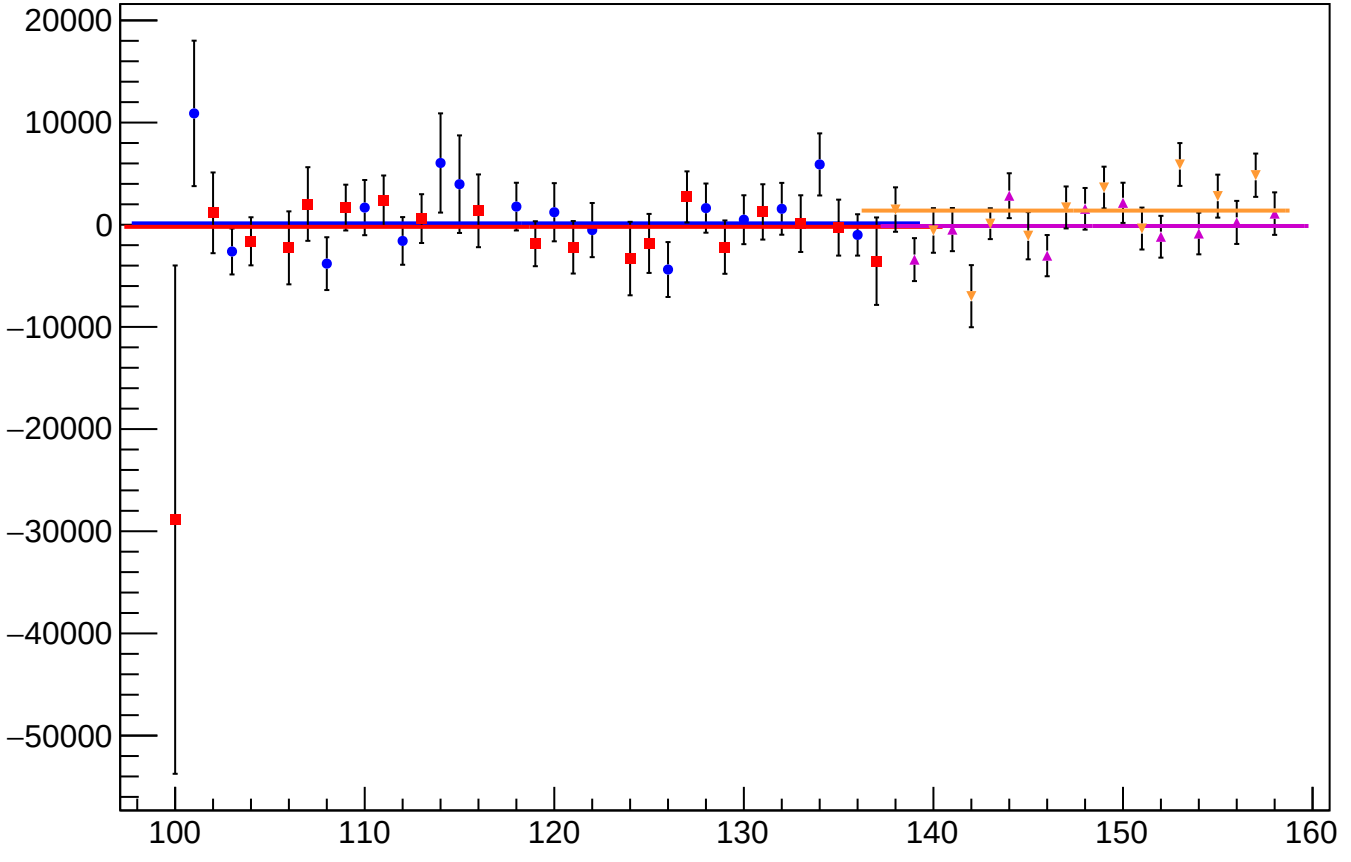
Left In: 4159.068+/-1.011 χ^2/NDF:439875.2/9

+ sign 885.664+/-0.263 χ^2/NDF: 20174838.3/26

All: 937.632+/-0.200 χ^2/NDF: 41512650.2/55

- sign 1009.498+/-0.309 χ^2/NDF: 21244576.7/28

dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1385.112+/-626.664 χ^2/NDF:20.0/10

Right Out: -205.424+/-654.444 χ^2/NDF: 9.7/18

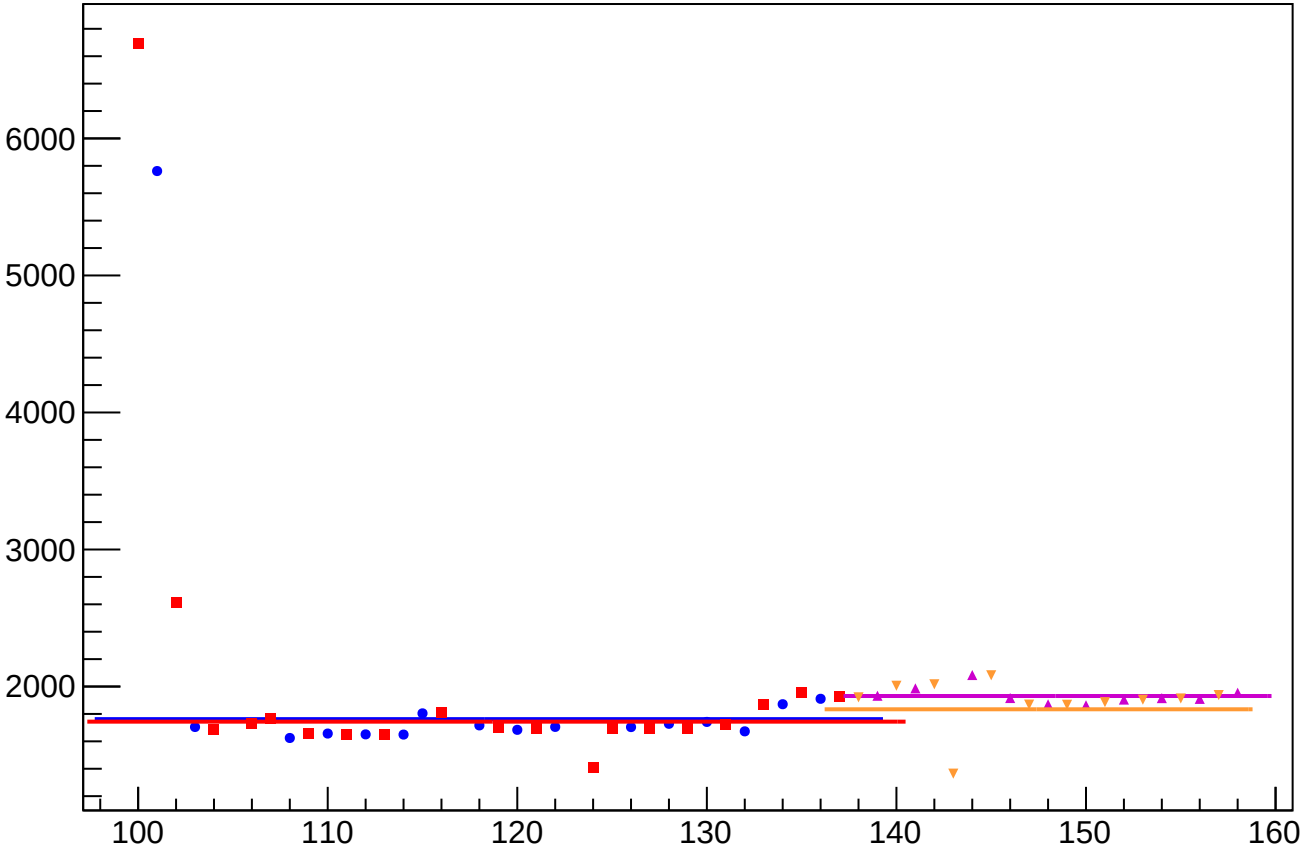
Left In: -122.455+/-654.048 χ^2/NDF:9.1/9

+ sign 802.752+/-458.188 χ^2/NDF: 39.1/26

All: 324.074+/-325.544 χ^2/NDF: 60.2/55

- sign -163.914+/-462.622 χ^2/NDF: 18.9/28

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1833.901+/-0.443 χ^2/NDF:251573.6/10

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

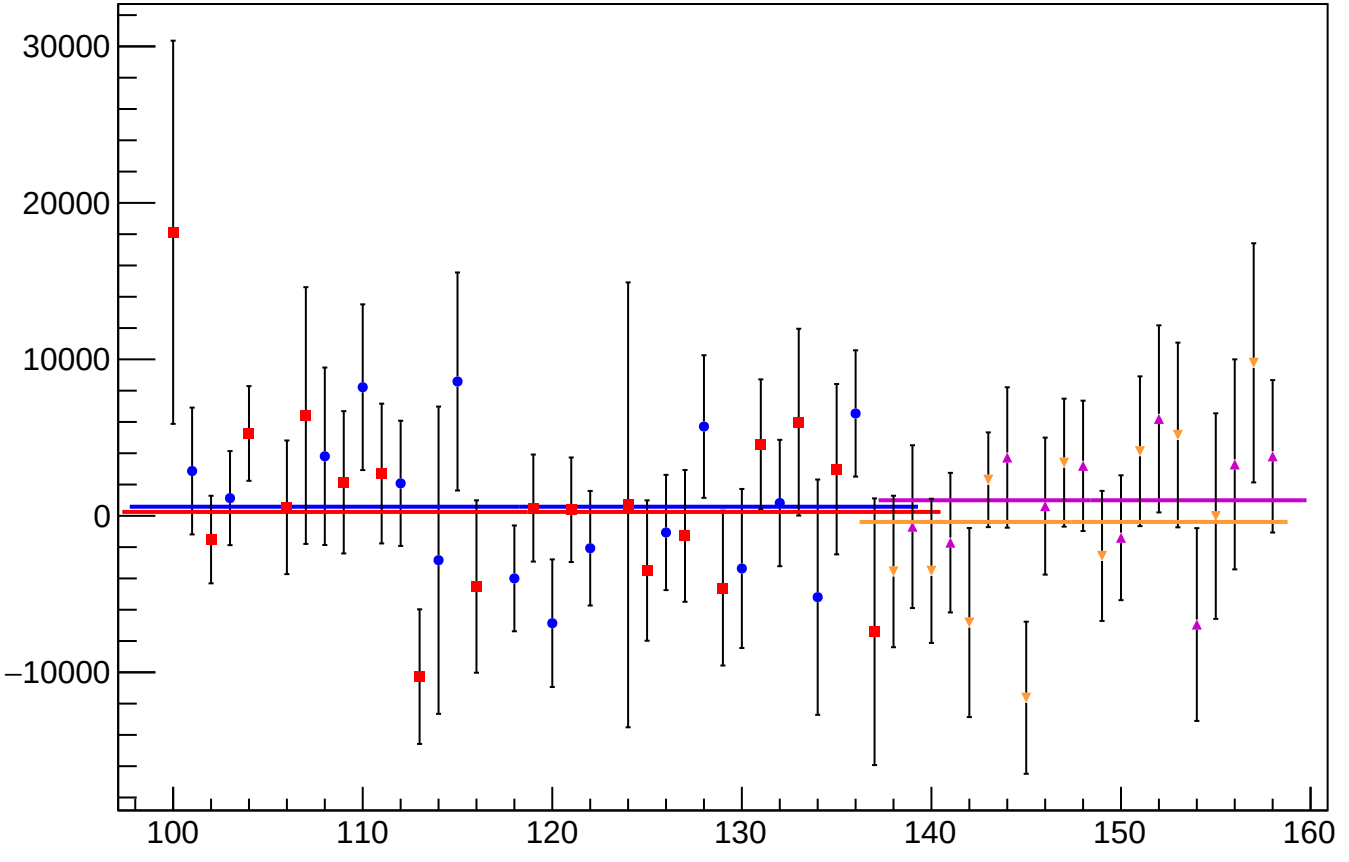
Left In: 1930.867+/-0.462 χ^2/NDF:16263.1/9

+ sign 1800.462+/-0.324 χ^2/NDF: 931506.4/26

All: 1818.622+/-0.230 χ^2/NDF: 1263925.4/55

- sign 1837.082+/-0.327 χ^2/NDF: 326083.3/28

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

Left Out: -389.323+/-1415.580 χ^2/NDF:12.8/10

Right Out: 250.224+/-1021.012 χ^2/NDF: 17.9/18

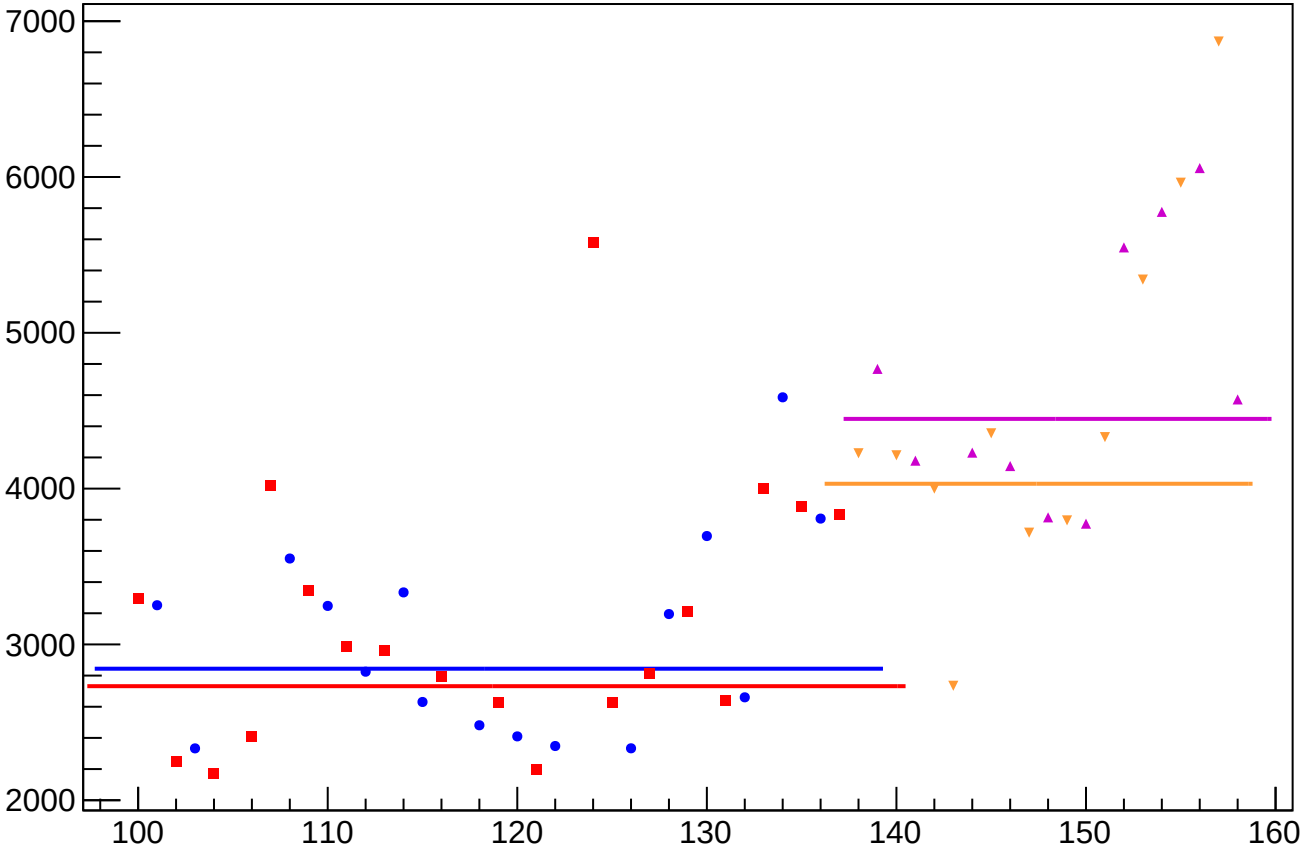
Left In: 995.044+/-1528.248 χ^2/NDF:4.4/9

+ sign 224.154+/-859.382 χ^2/NDF: 28.0/26

All: 353.676+/-603.962 χ^2/NDF: 50.5/55

- sign 480.079+/-848.974 χ^2/NDF: 22.4/28

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 4031.153+/-1.001 χ^2/NDF:955903.9/10

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

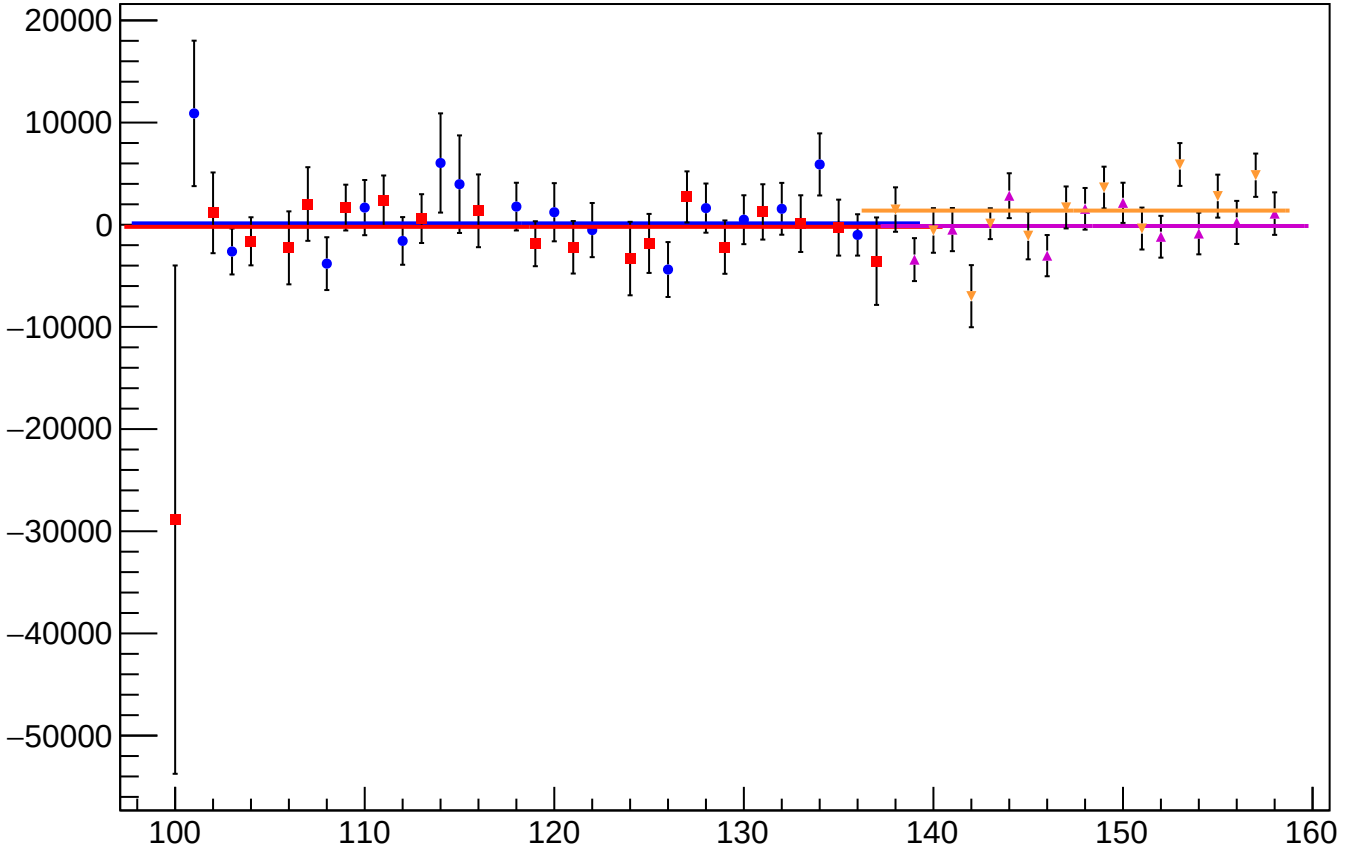
Left In: 4447.479+/-1.081 χ^2/NDF:409134.8/9

+ sign 3281.629+/-0.608 χ^2/NDF: 2385905.3/26

All: 3271.385+/-0.427 χ^2/NDF: 5149291.4/55

- sign 3261.388+/-0.600 χ^2/NDF: 2762824.6/28

eigen_dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1385.107+/-626.664 χ^2/NDF:20.0/10

Right Out: -205.422+/-654.444 χ^2/NDF: 9.7/18

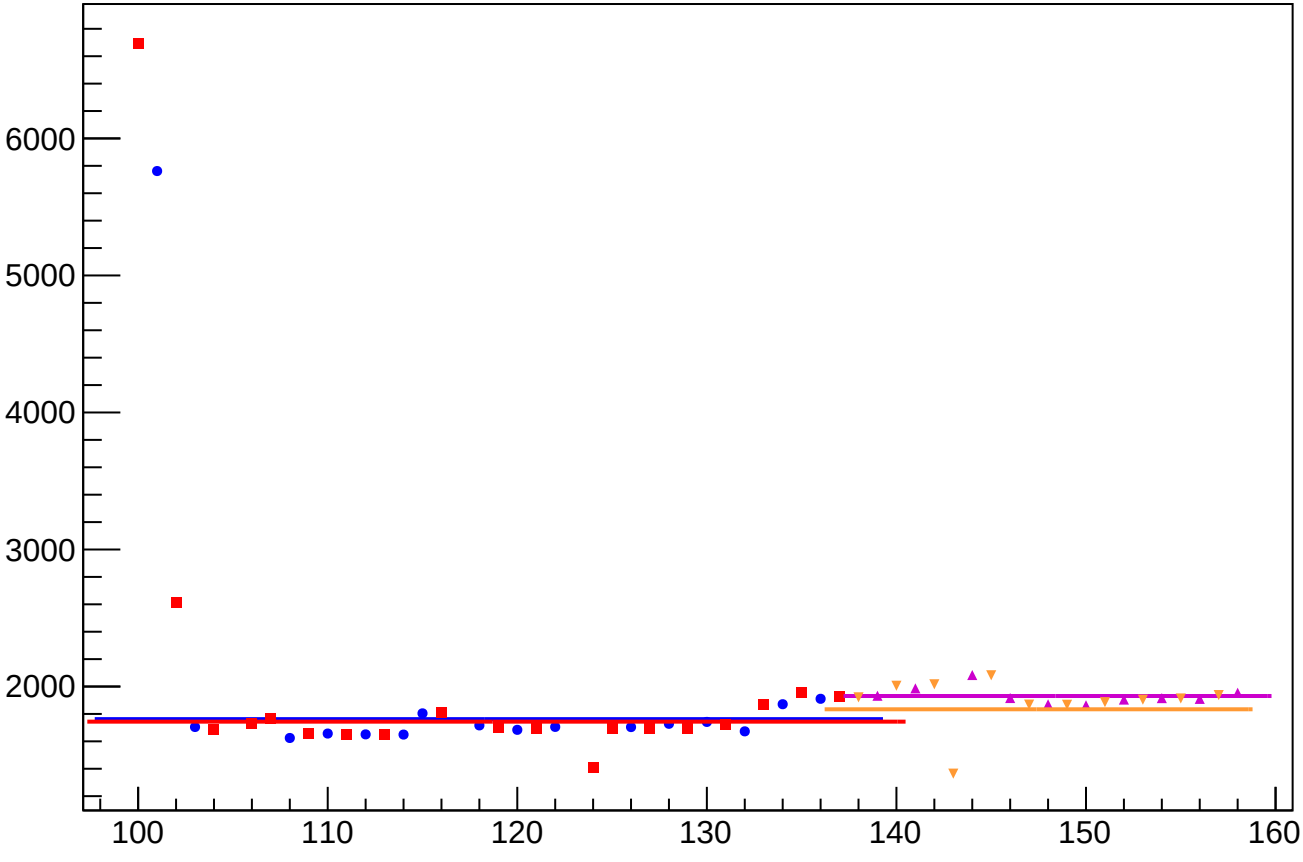
Left In: -122.450+/-654.049 χ^2/NDF:9.1/9

+ sign 802.749+/-458.188 χ^2/NDF: 39.1/26

All: 324.074+/-325.544 χ^2/NDF: 60.2/55

- sign -163.911+/-462.622 χ^2/NDF: 18.9/28

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1833.902+/-0.443 χ^2/NDF:251574.8/10

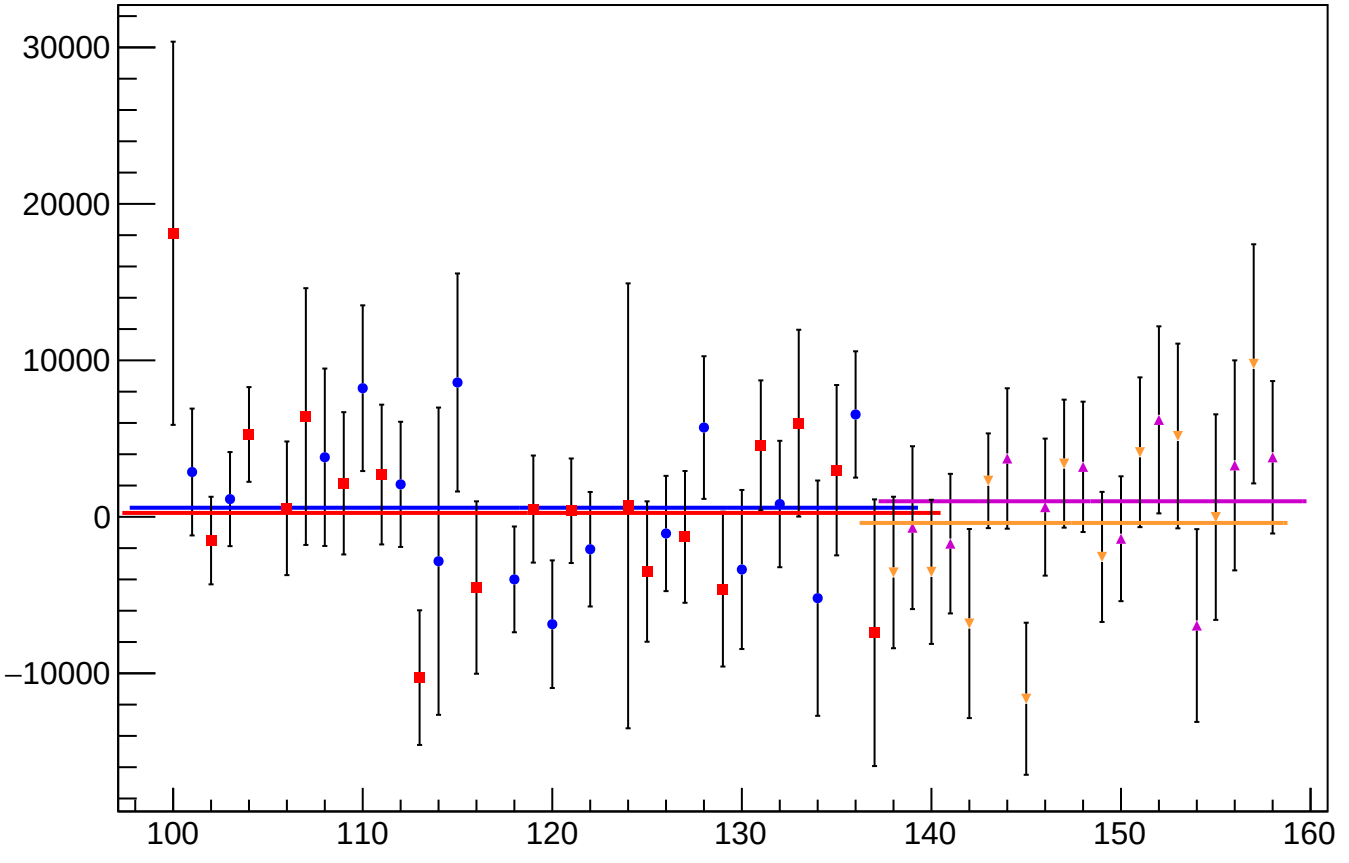
Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1930.868+/-0.462 χ^2/NDF:16263.3/9

+ sign 1800.462+/-0.324 χ^2/NDF: 931507.9/26

All: 1818.622+/-0.230 χ^2/NDF: 1263928.0/55

- sign 1837.082+/-0.327 χ^2/NDF: 326084.4/28



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: -389.321+/-1415.582 χ^2/NDF:12.8/10

Right Out: 250.225+/-1021.010 χ^2/NDF: 17.9/18

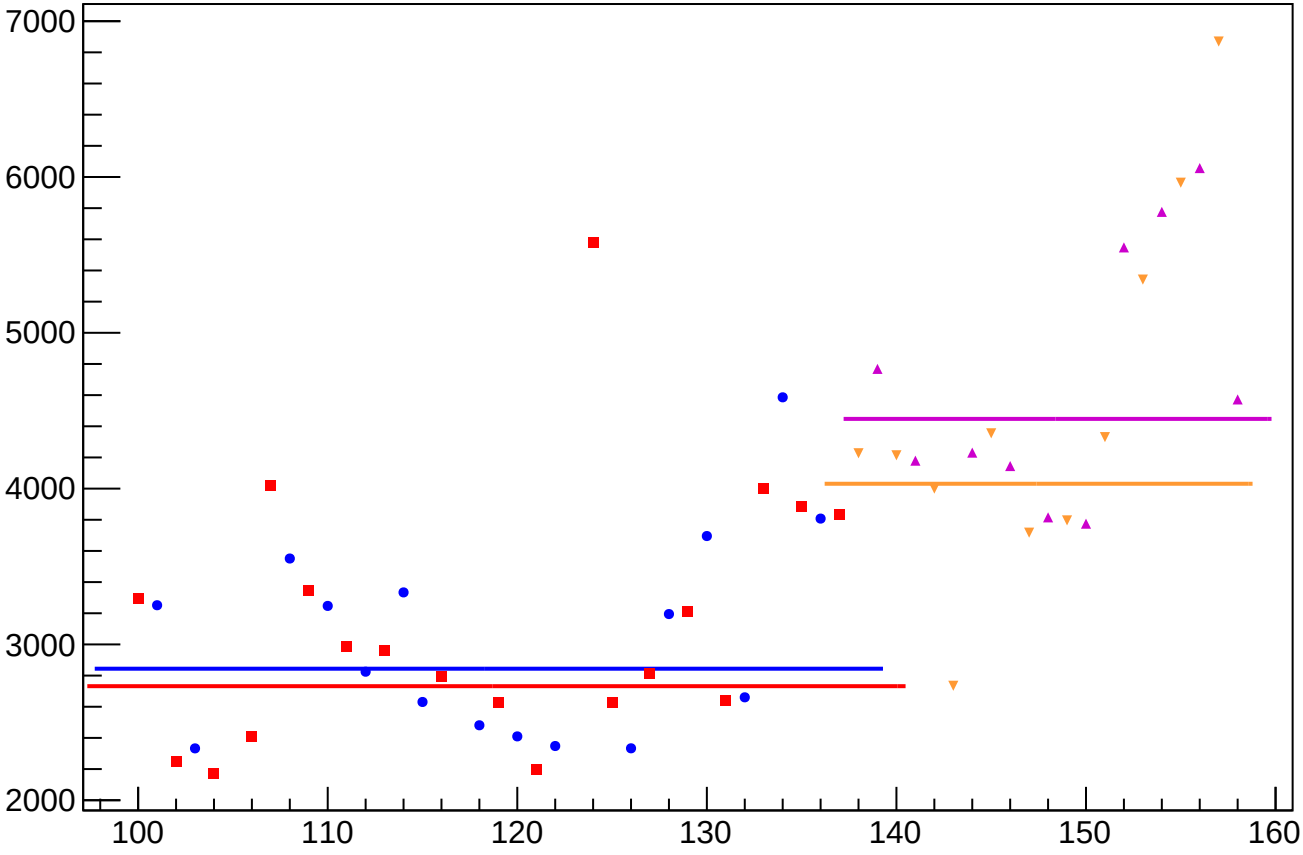
Left In: 995.047+/-1528.250 χ^2/NDF:4.4/9

+ sign 224.154+/-859.381 χ^2/NDF: 28.0/26

All: 353.675+/-603.961 χ^2/NDF: 50.5/55

- sign 480.079+/-848.973 χ^2/NDF: 22.4/28

asym_atr1l2_dd_eigen_dit_correction_rms vs Slug



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 4031.157+/-1.001 χ^2/NDF:955909.0/10

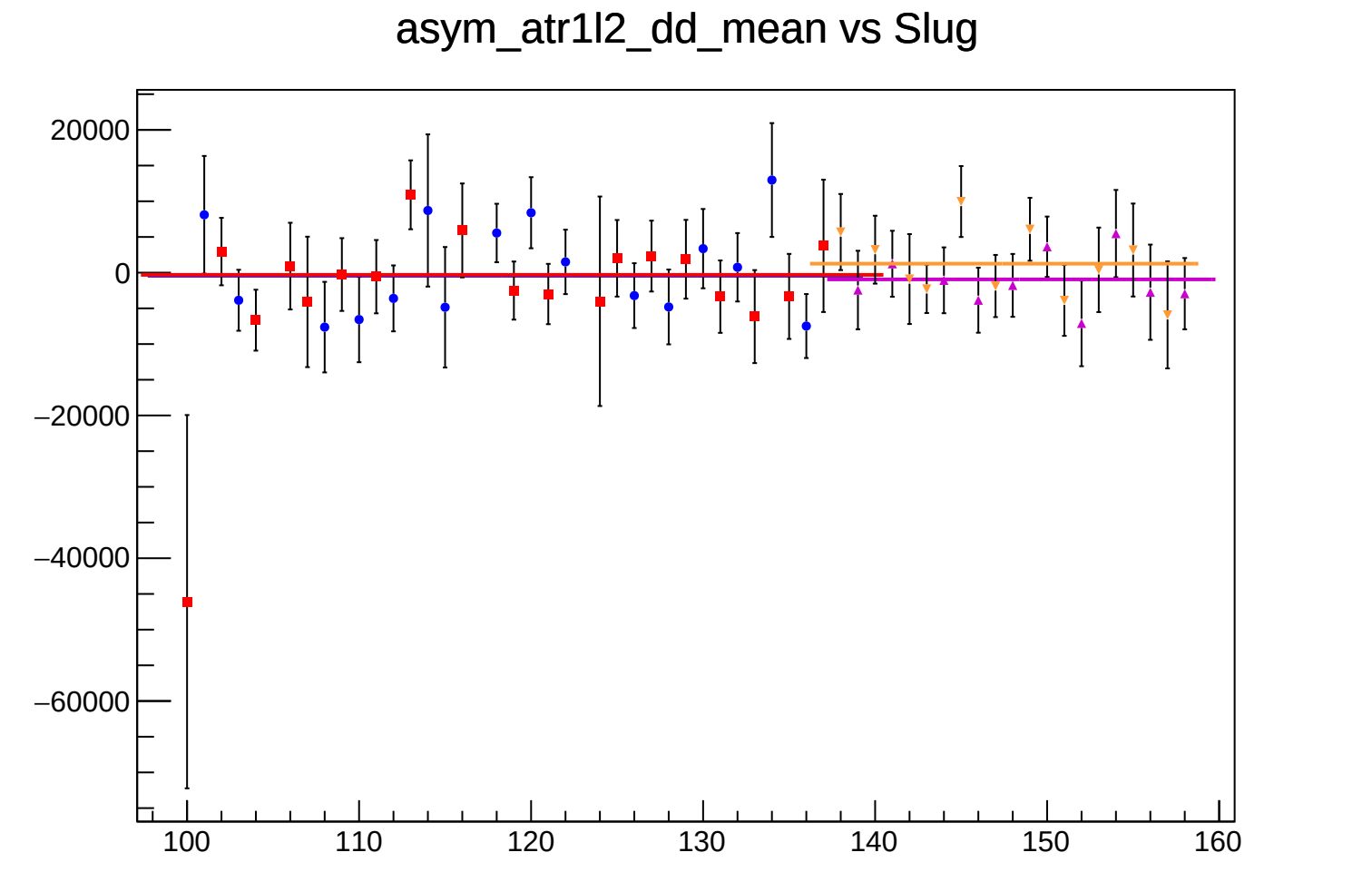
Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

Left In: 4447.485+/-1.081 χ^2/NDF:409137.4/9

+ sign 3281.623+/-0.608 χ^2/NDF: 2385932.1/26

All: 3271.380+/-0.427 χ^2/NDF: 5149340.4/55

- sign 3261.383+/-0.600 χ^2/NDF: 2762846.9/28



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: 1255.311+/-1494.823 χ^2/NDF:8.9/10

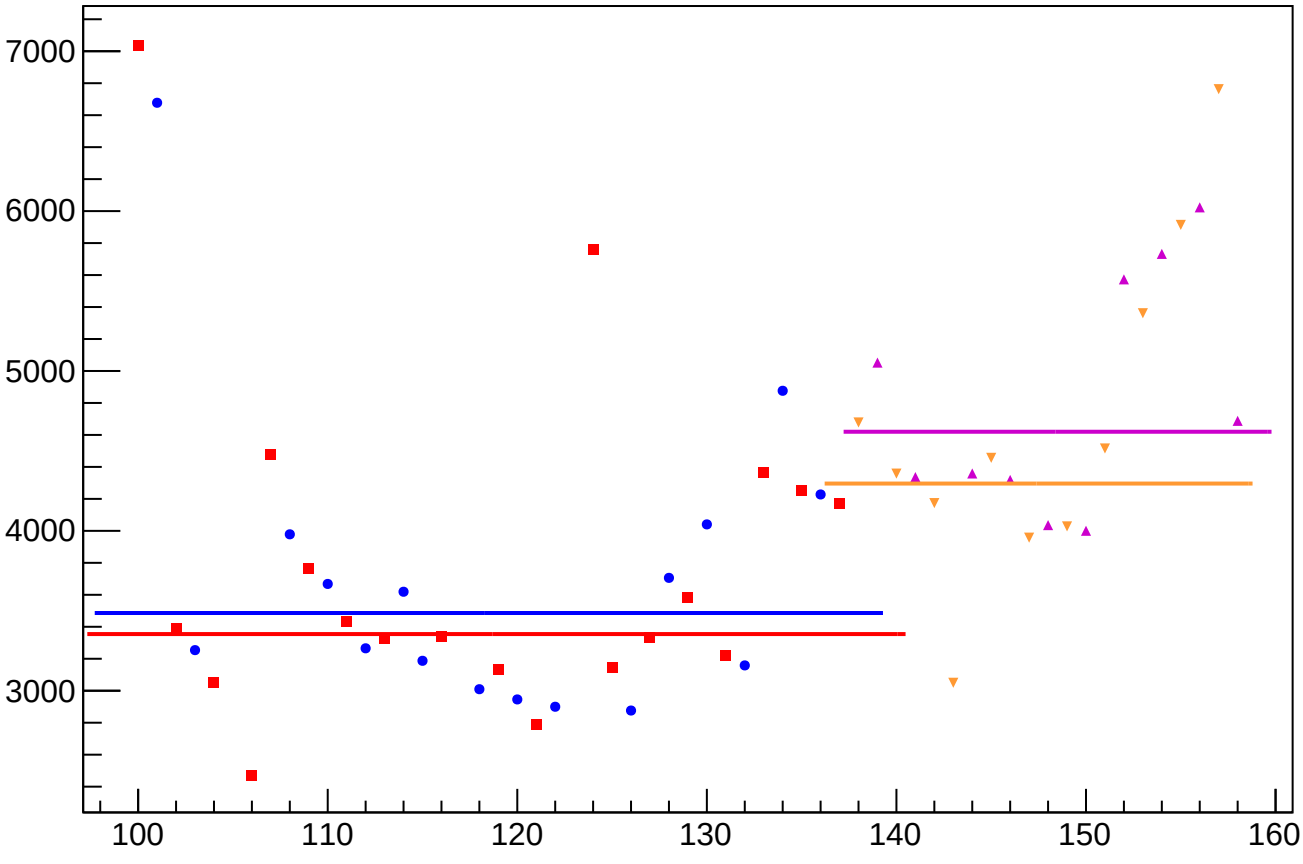
Right Out: -307.823+/-1275.718 χ^2/NDF: 15.3/18

Left In: -943.694+/-1581.585 χ^2/NDF:4.3/9

+ sign 316.780+/-992.491 χ^2/NDF: 27.6/26

All: -120.634+/-701.963 χ^2/NDF: 47.6/55

- sign -558.461+/-992.960 χ^2/NDF: 19.7/28



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 4295.845+/-1.057 χ^2/NDF:714248.3/10

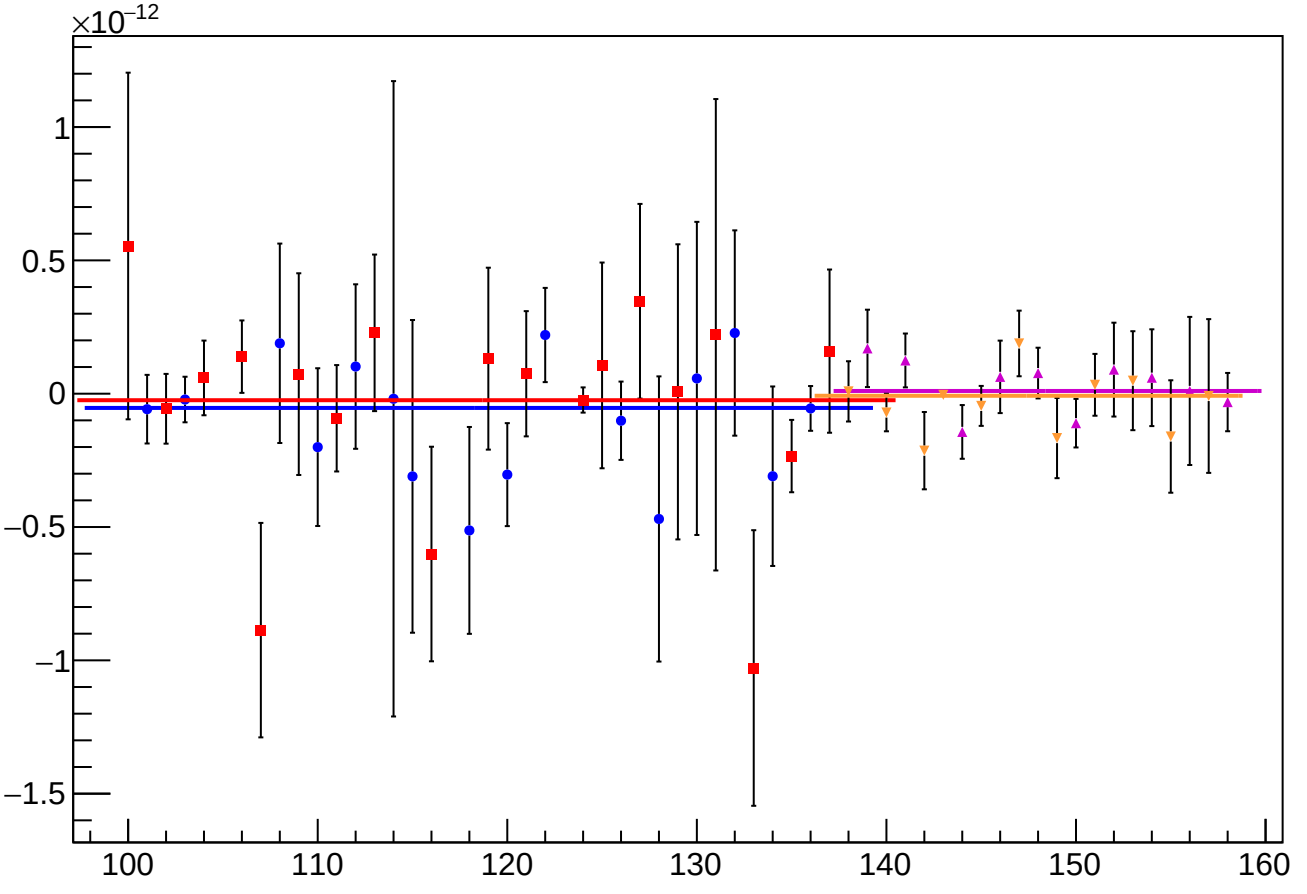
Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

Left In: 4619.924+/-1.118 χ^2/NDF:318873.1/9

+ sign 3843.098+/-0.702 χ^2/NDF: 1638148.1/26

All: 3843.947+/-0.494 χ^2/NDF: 3117760.0/55

- sign 3844.782+/-0.696 χ^2/NDF: 1479608.9/28



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.6/10

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

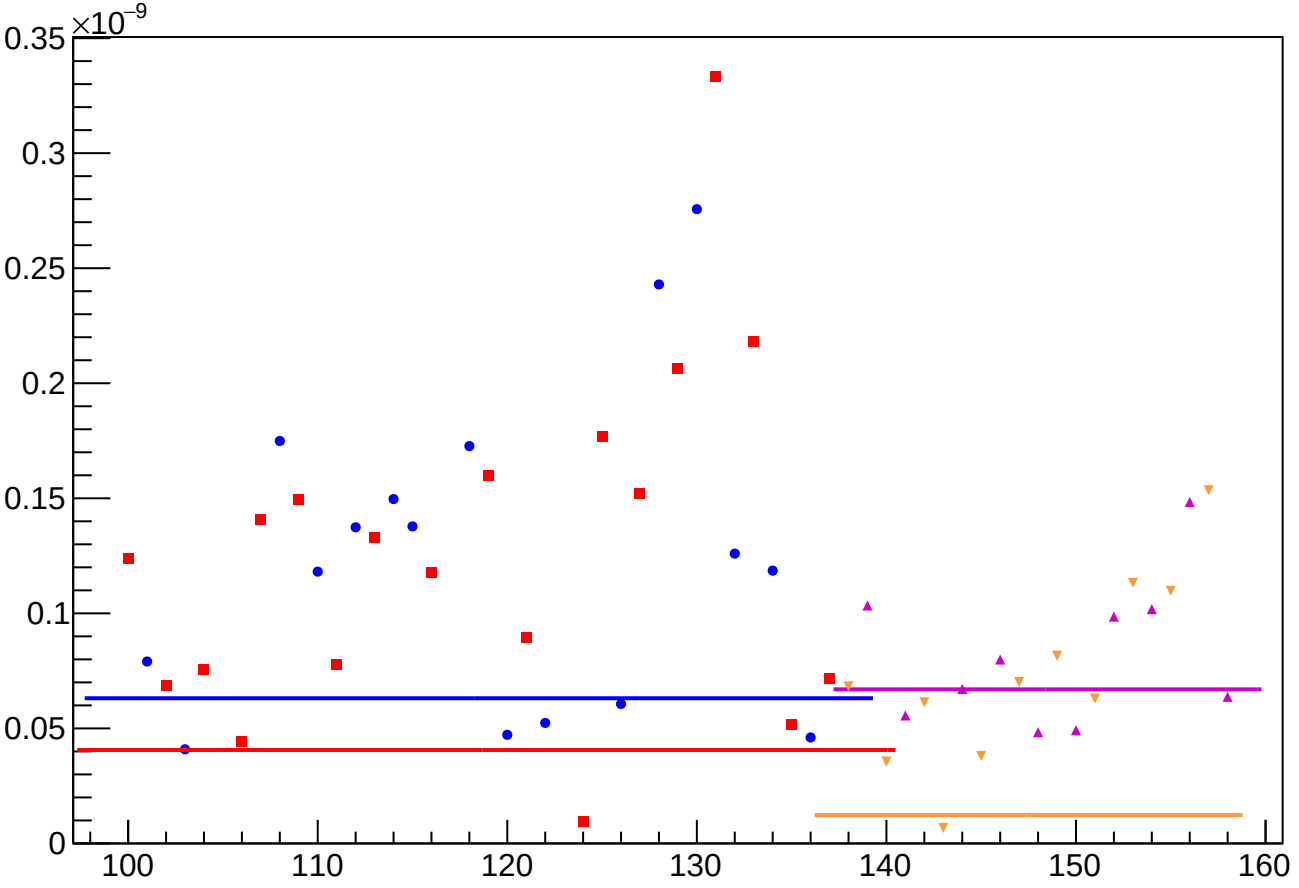
Left In: 0.000+/-0.000 χ^2/NDF:7.7/9

+ sign -0.000+/-0.000 χ^2/NDF: 17.1/26

All: -0.000+/-0.000 χ^2/NDF: 43.6/55

- sign -0.000+/-0.000 χ^2/NDF: 26.5/28

asym_atr1l2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:4293283.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

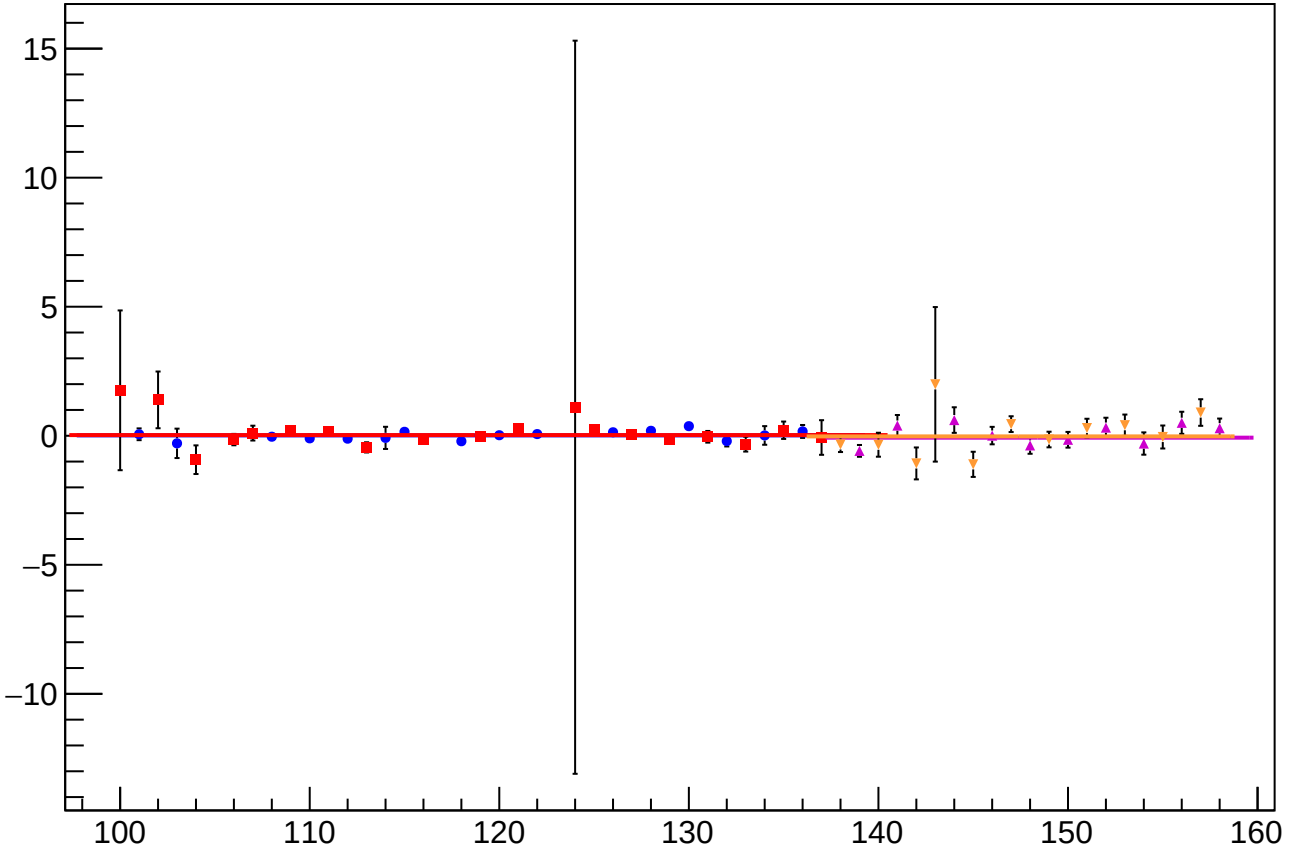
Left In: 0.000+/-0.000 χ^2/NDF:634287.2/9

+ sign 0.000+/-0.000 χ^2/NDF: 8152298.7/26

All: 0.000+/-0.000 χ^2/NDF: 15835371.3/55

- sign 0.000+/-0.000 χ^2/NDF: 4315510.2/28

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.025+/-0.122 χ^2/NDF:17.6/10

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

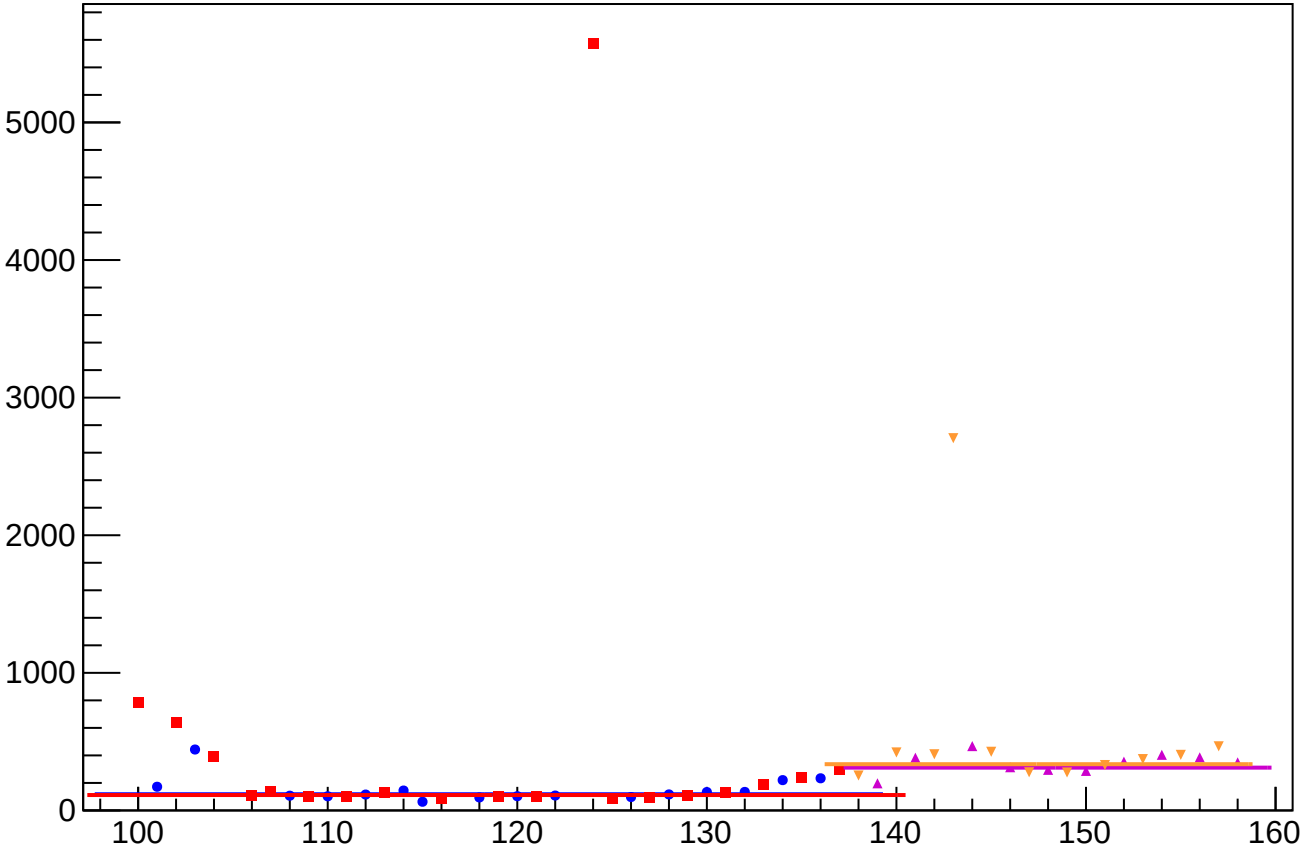
Left In: -0.074+/-0.110 χ^2/NDF:13.3/9

+ sign 0.010+/-0.045 χ^2/NDF: 29.4/26

All: 0.010+/-0.031 χ^2/NDF: 65.5/55

- sign 0.010+/-0.043 χ^2/NDF: 36.1/28

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 336.208+/-0.086 χ^2/NDF:1913185.9/10

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

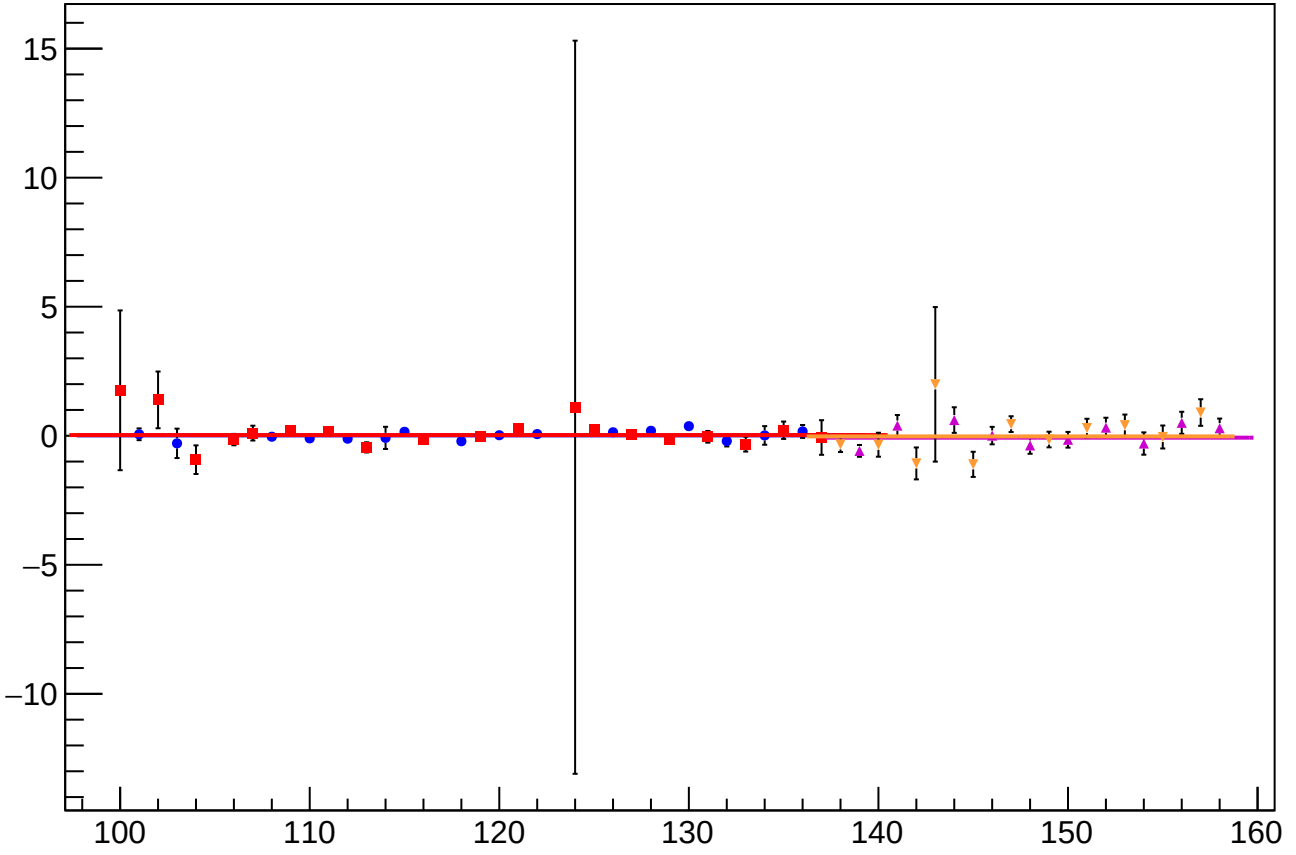
Left In: 311.125+/-0.078 χ^2/NDF:975201.5/9

+ sign 146.776+/-0.032 χ^2/NDF: 9186175.8/26

All: 144.714+/-0.022 χ^2/NDF: 17918068.8/55

- sign 142.788+/-0.030 χ^2/NDF: 8723618.4/28

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.025+/-0.122 χ^2/NDF:17.6/10

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

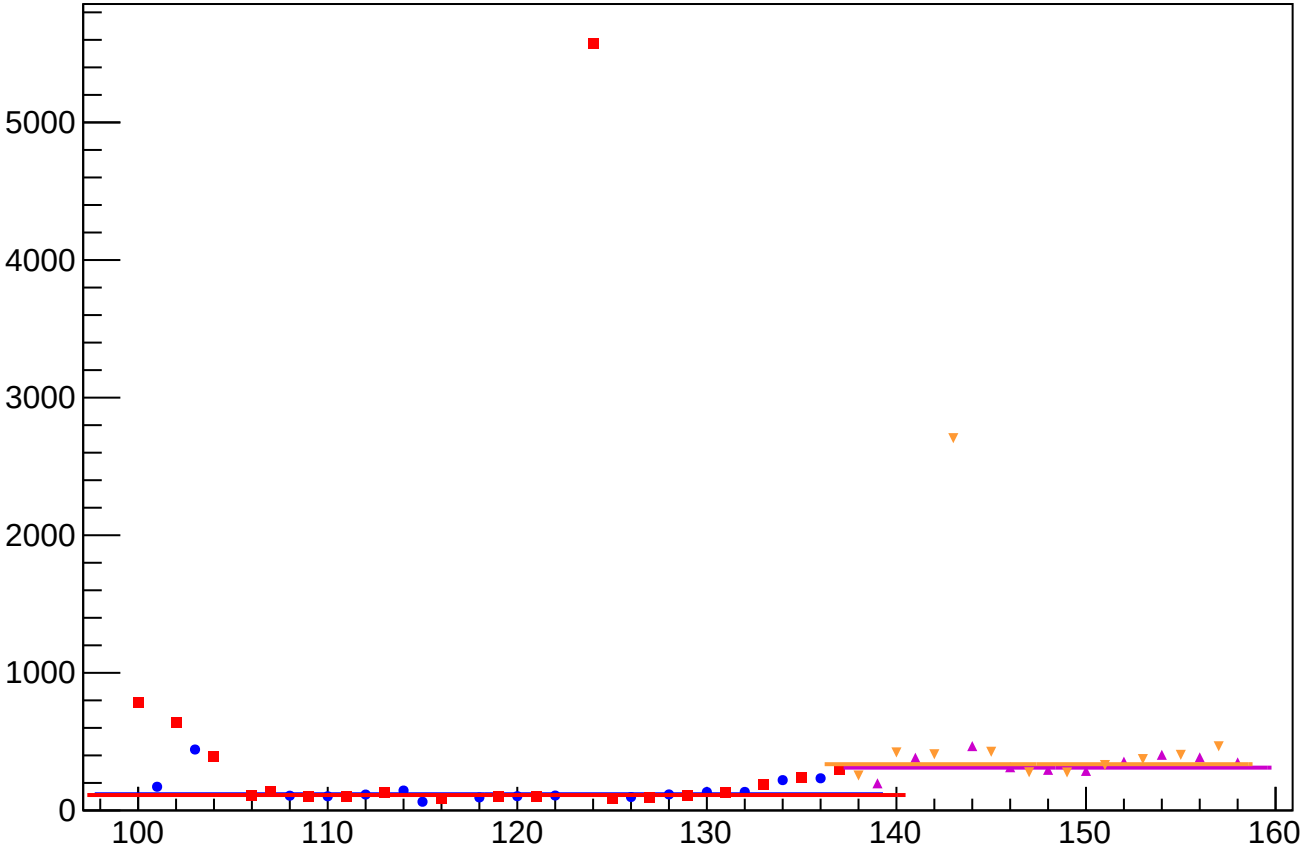
Left In: -0.074+/-0.110 χ^2/NDF:13.3/9

+ sign 0.010+/-0.045 χ^2/NDF: 29.4/26

All: 0.010+/-0.031 χ^2/NDF: 65.5/55

- sign 0.010+/-0.043 χ^2/NDF: 36.1/28

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 336.208+/-0.086 χ^2/NDF:1913185.9/10

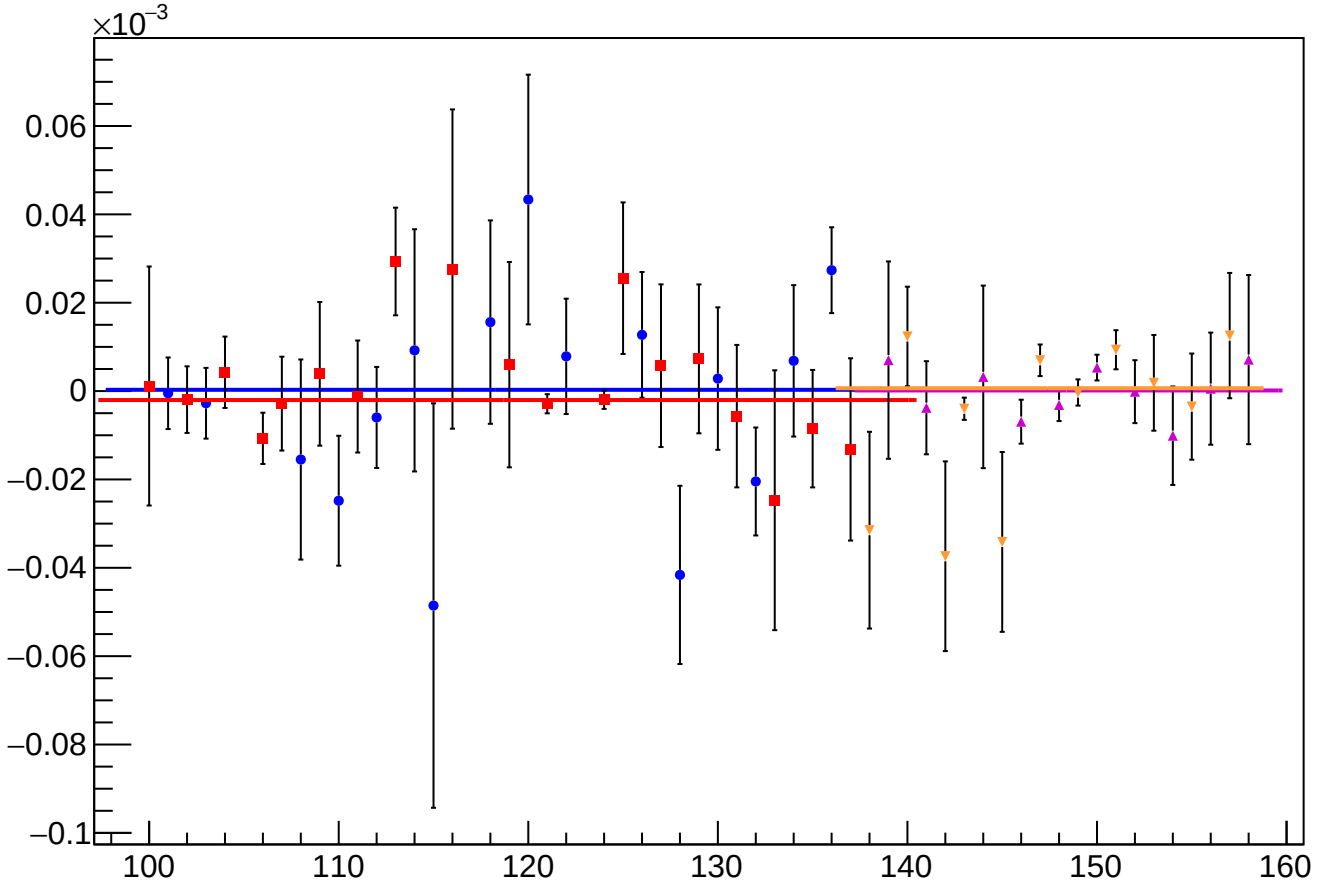
Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 311.125+/-0.078 χ^2/NDF:975201.5/9

+ sign 146.776+/-0.032 χ^2/NDF: 9186175.8/26

All: 144.714+/-0.022 χ^2/NDF: 17918068.8/55

- sign 142.788+/-0.030 χ^2/NDF: 8723618.4/28



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/10

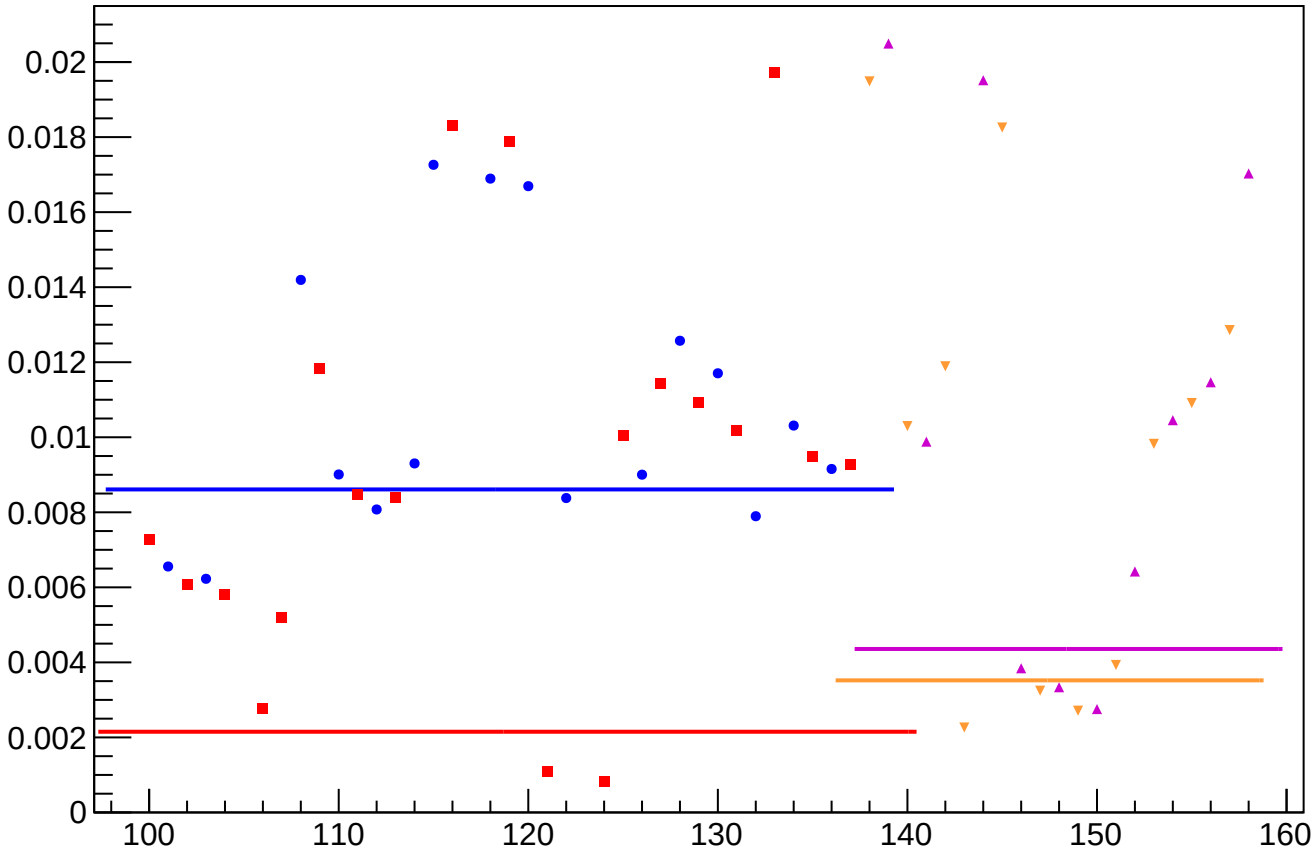
Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:7.2/9

+ sign 0.000+/-0.000 χ^2/NDF: 44.7/26

All: -0.000+/-0.000 χ^2/NDF: 68.7/55

- sign -0.000+/-0.000 χ^2/NDF: 22.9/28



Right In: 0.009+/-0.000 χ^2/NDF: 1114251.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:6081708.5/10

Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

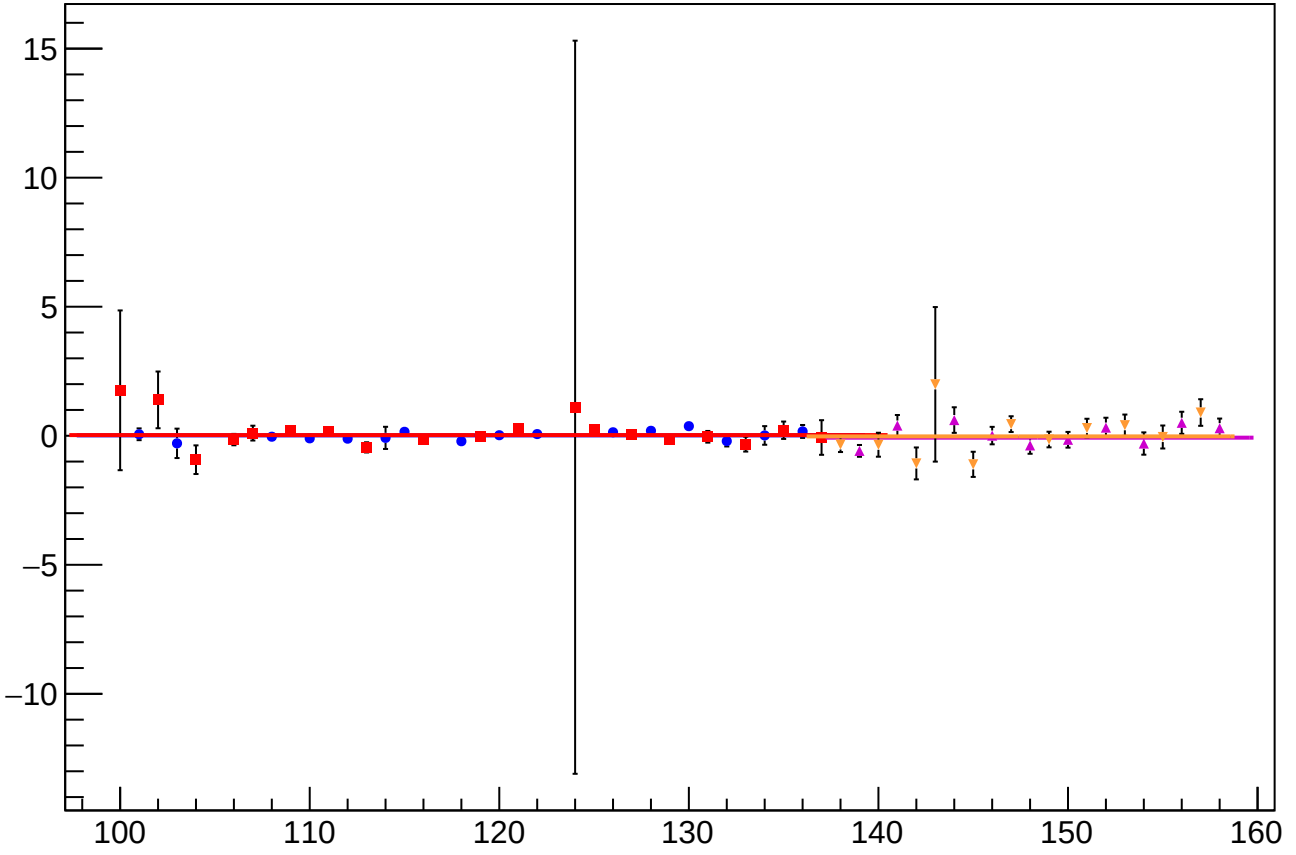
Left In: 0.004+/-0.000 χ^2/NDF:5722958.6/9

+ sign 0.004+/-0.000 χ^2/NDF: 10981356.5/26

All: 0.003+/-0.000 χ^2/NDF: 29039175.8/55

- sign 0.003+/-0.000 χ^2/NDF: 16640620.4/28

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.025+/-0.122 χ^2/NDF:17.6/10

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

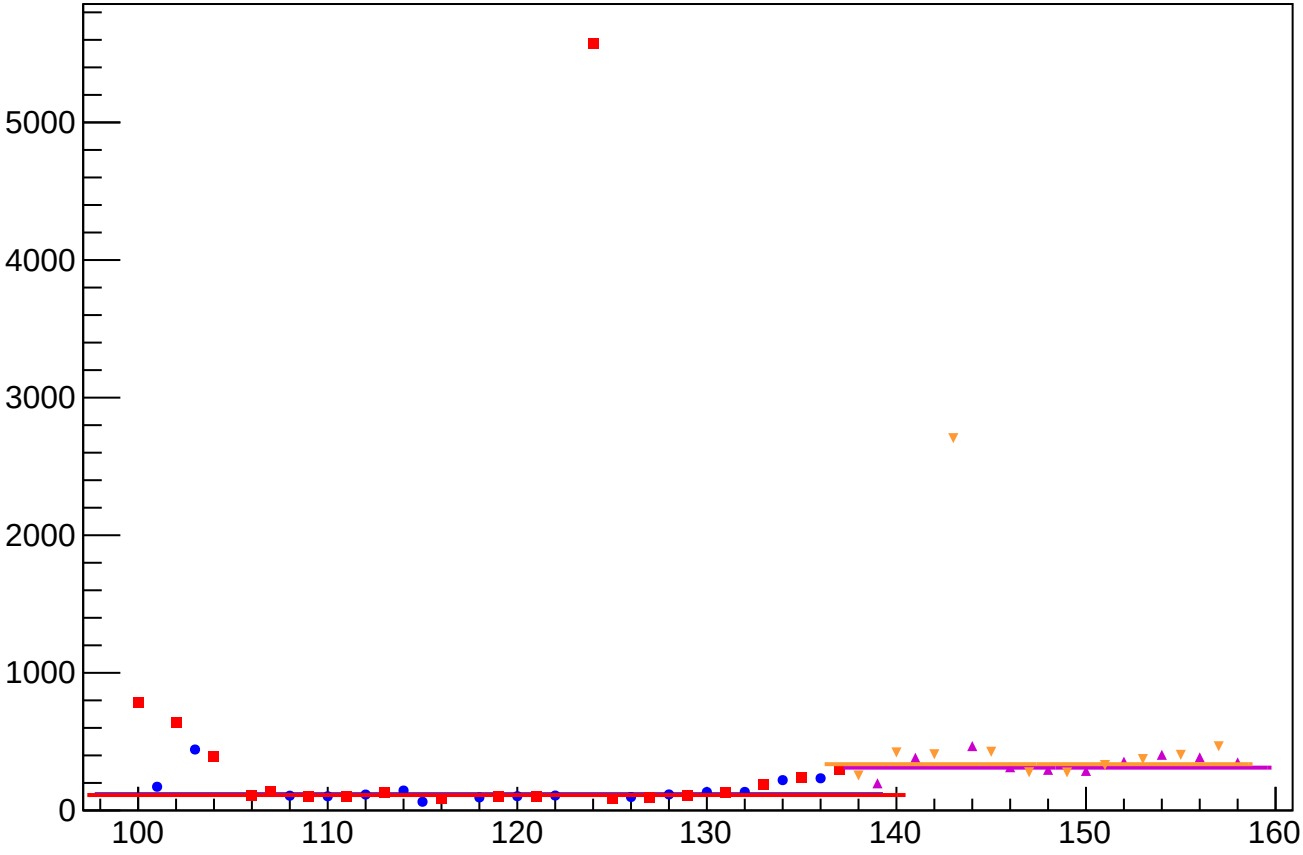
Left In: -0.074+/-0.110 χ^2/NDF:13.3/9

\+ sign 0.010+/-0.045 χ^2/NDF: 29.4/26

All: 0.010+/-0.031 χ^2/NDF: 65.5/55

\- sign 0.010+/-0.043 χ^2/NDF: 36.1/28

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 336.211+/-0.086 χ^2/NDF:1913229.5/10

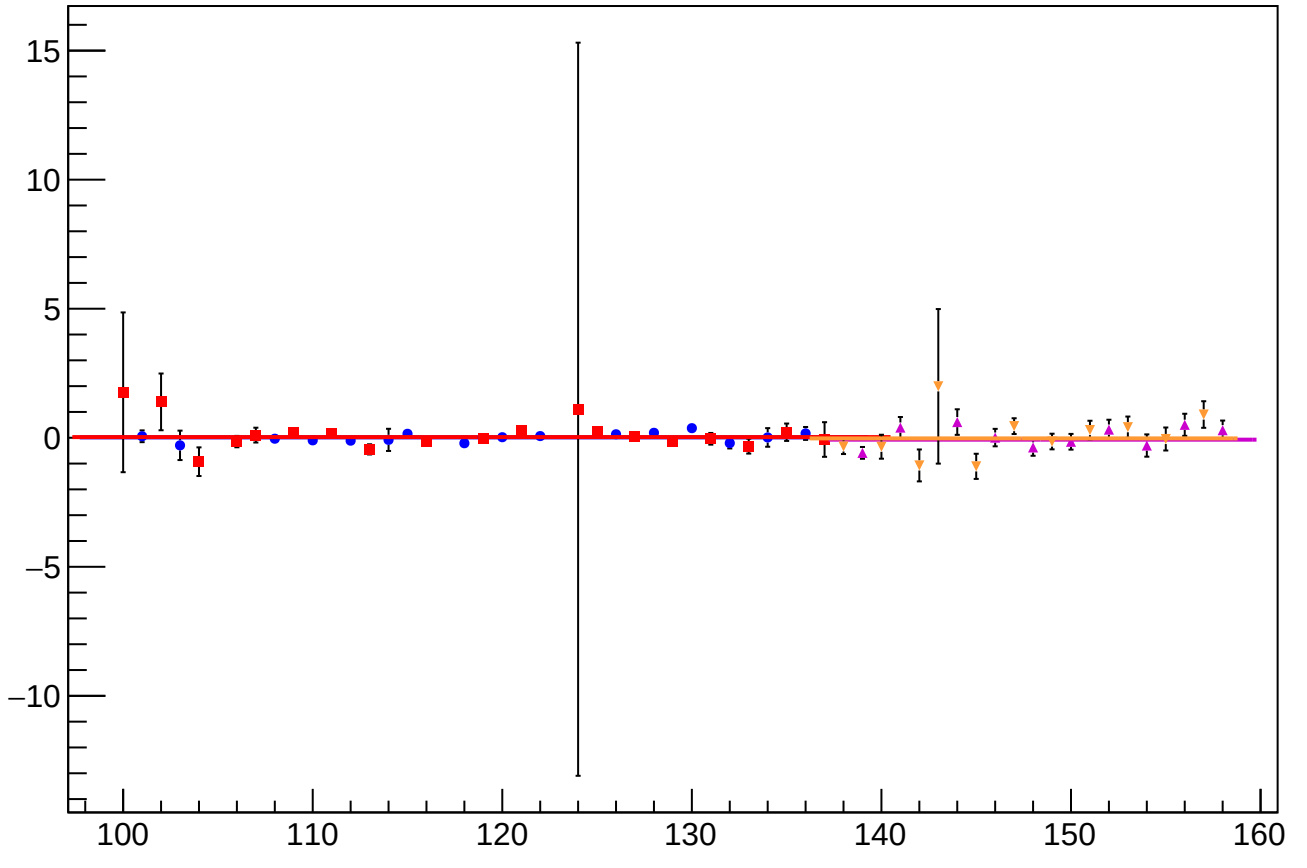
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 311.130+/-0.078 χ^2/NDF:975202.0/9

+ sign 146.776+/-0.032 χ^2/NDF: 9186242.7/26

All: 144.715+/-0.022 χ^2/NDF: 17918053.9/55

- sign 142.790+/-0.030 χ^2/NDF: 8723544.9/28



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.025+/-0.122 χ^2/NDF:17.6/10

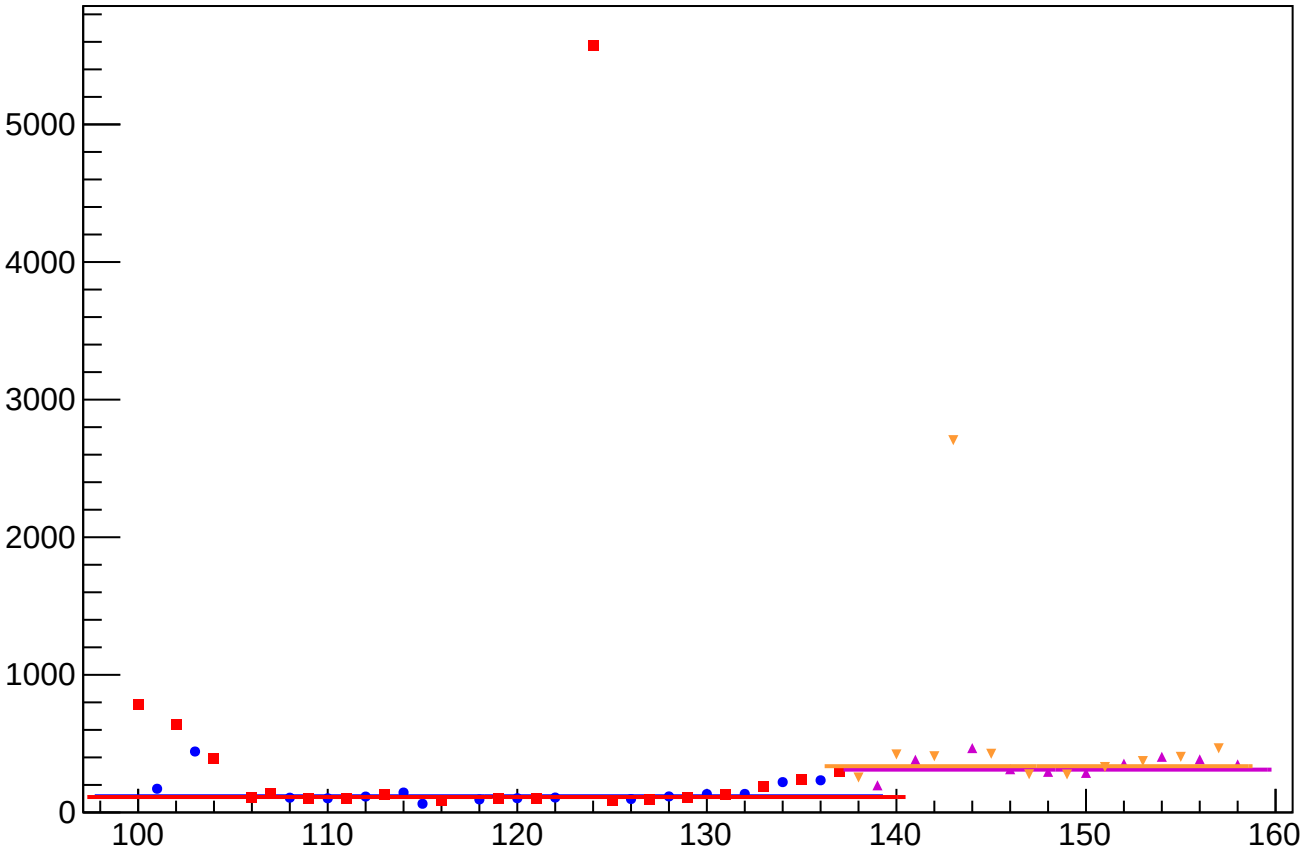
Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: -0.074+/-0.110 χ^2/NDF:13.3/9

+ sign 0.010+/-0.045 χ^2/NDF: 29.4/26

All: 0.010+/-0.031 χ^2/NDF: 65.5/55

- sign 0.010+/-0.043 χ^2/NDF: 36.1/28



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 336.211+/-0.086 χ^2/NDF:1913229.5/10

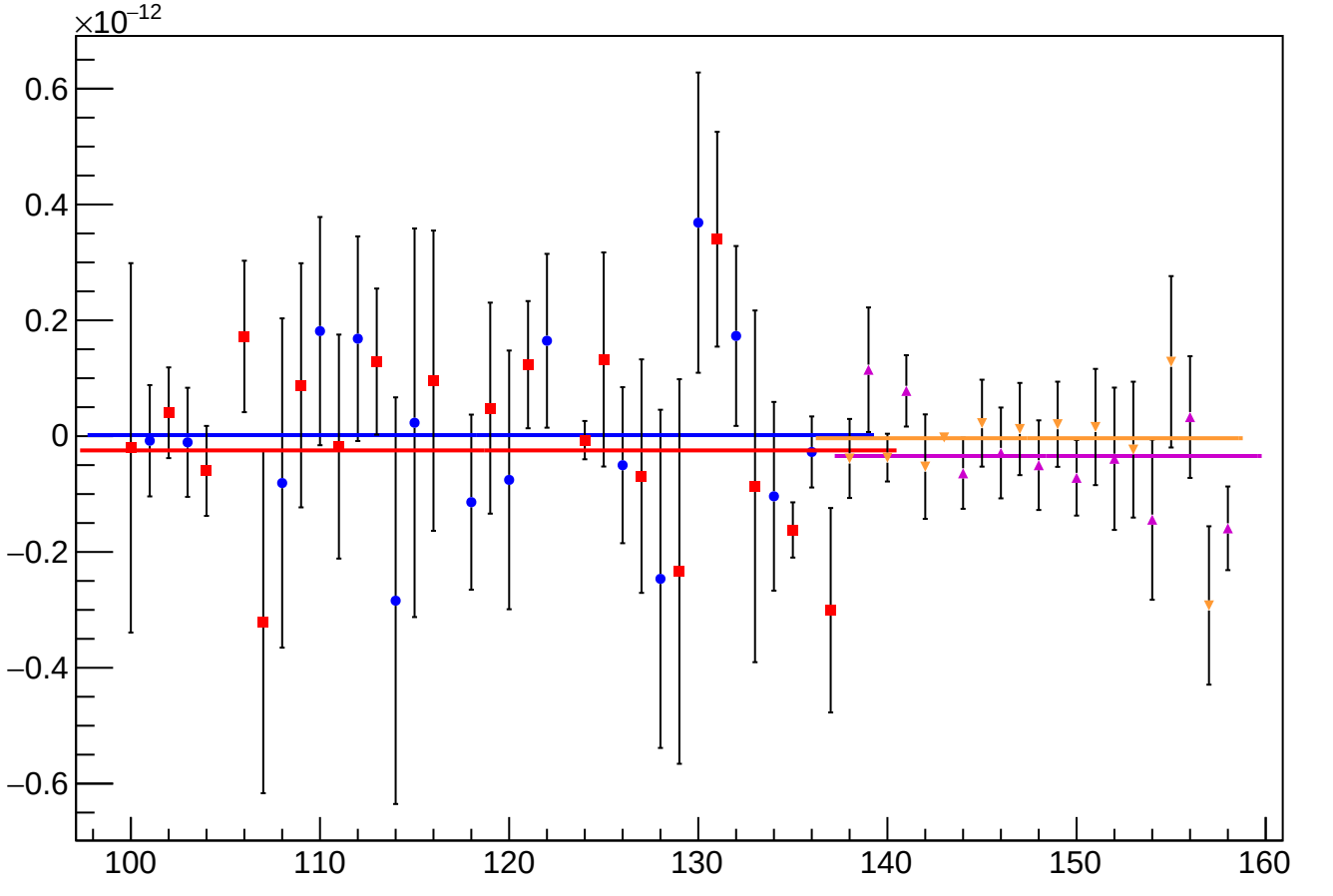
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 311.130+/-0.078 χ^2/NDF:975202.0/9

+ sign 146.776+/-0.032 χ^2/NDF: 9186242.7/26

All: 144.715+/-0.022 χ^2/NDF: 17918053.9/55

- sign 142.790+/-0.030 χ^2/NDF: 8723544.9/28



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.8/10

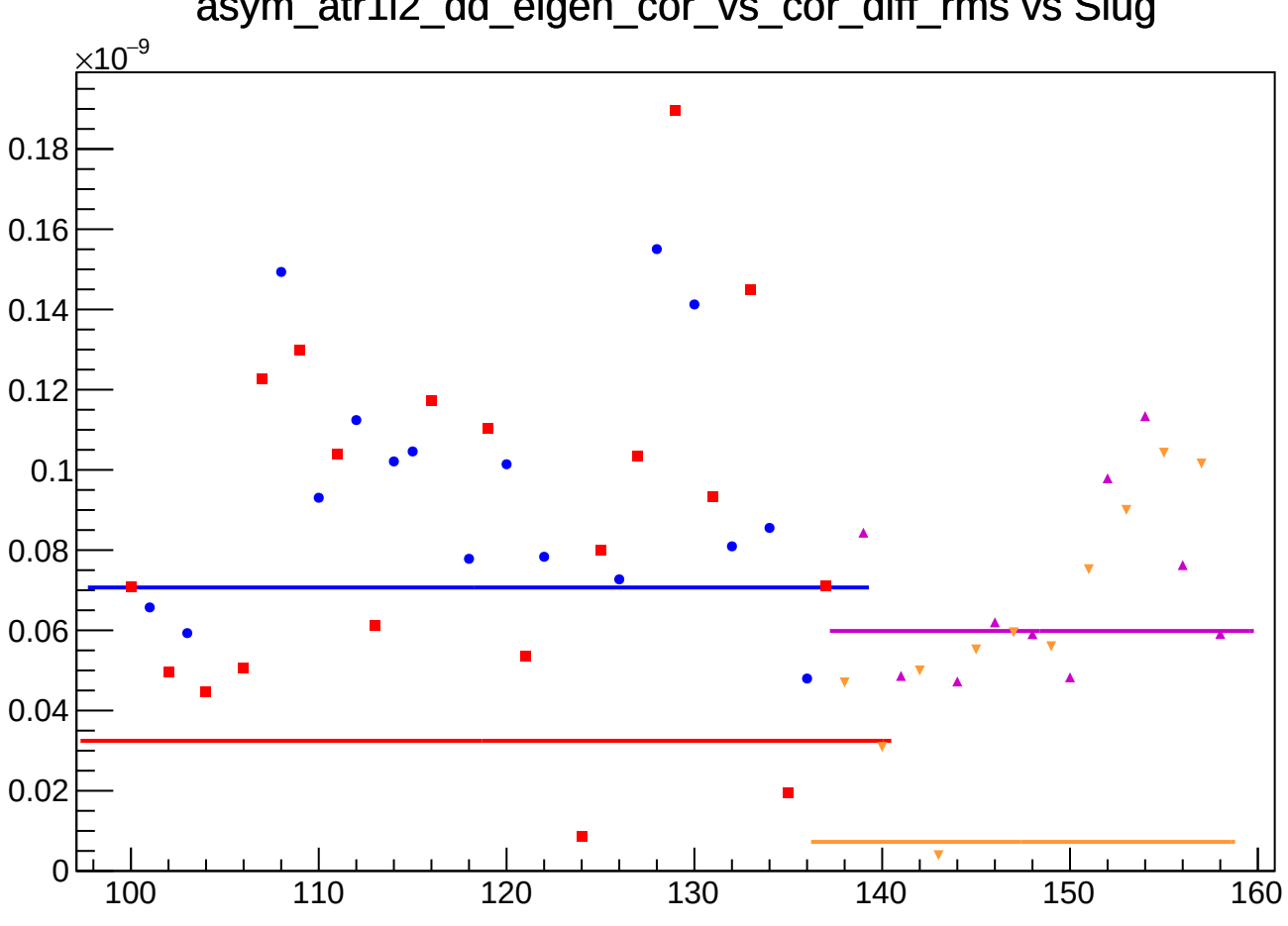
Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: -0.000+/-0.000 χ^2/NDF:9.9/9

+ sign -0.000+/-0.000 χ^2/NDF: 16.0/26

All: -0.000+/-0.000 χ^2/NDF: 52.3/55

- sign -0.000+/-0.000 χ^2/NDF: 34.2/28



Right In: 0.000+/-0.000 χ^2/NDF: 1023708.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:8572858.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 4449161.8/18

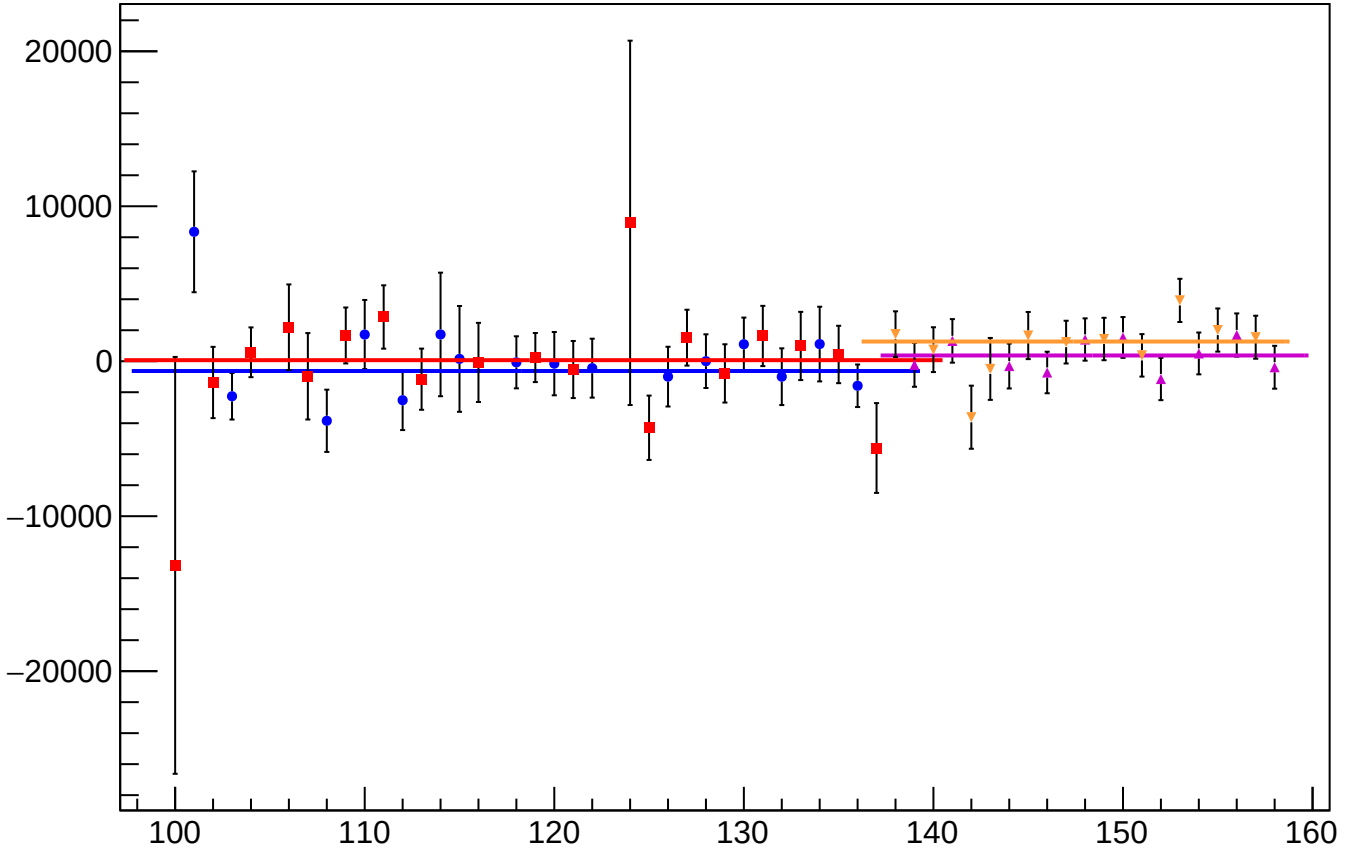
Left In: 0.000+/-0.000 χ^2/NDF:859960.1/9

+ sign 0.000+/-0.000 χ^2/NDF: 16153860.1/26

All: 0.000+/-0.000 χ^2/NDF: 30658305.9/55

- sign 0.000+/-0.000 χ^2/NDF: 6672173.9/28

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1271.584+/-446.901 χ^2/NDF:11.2/10

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

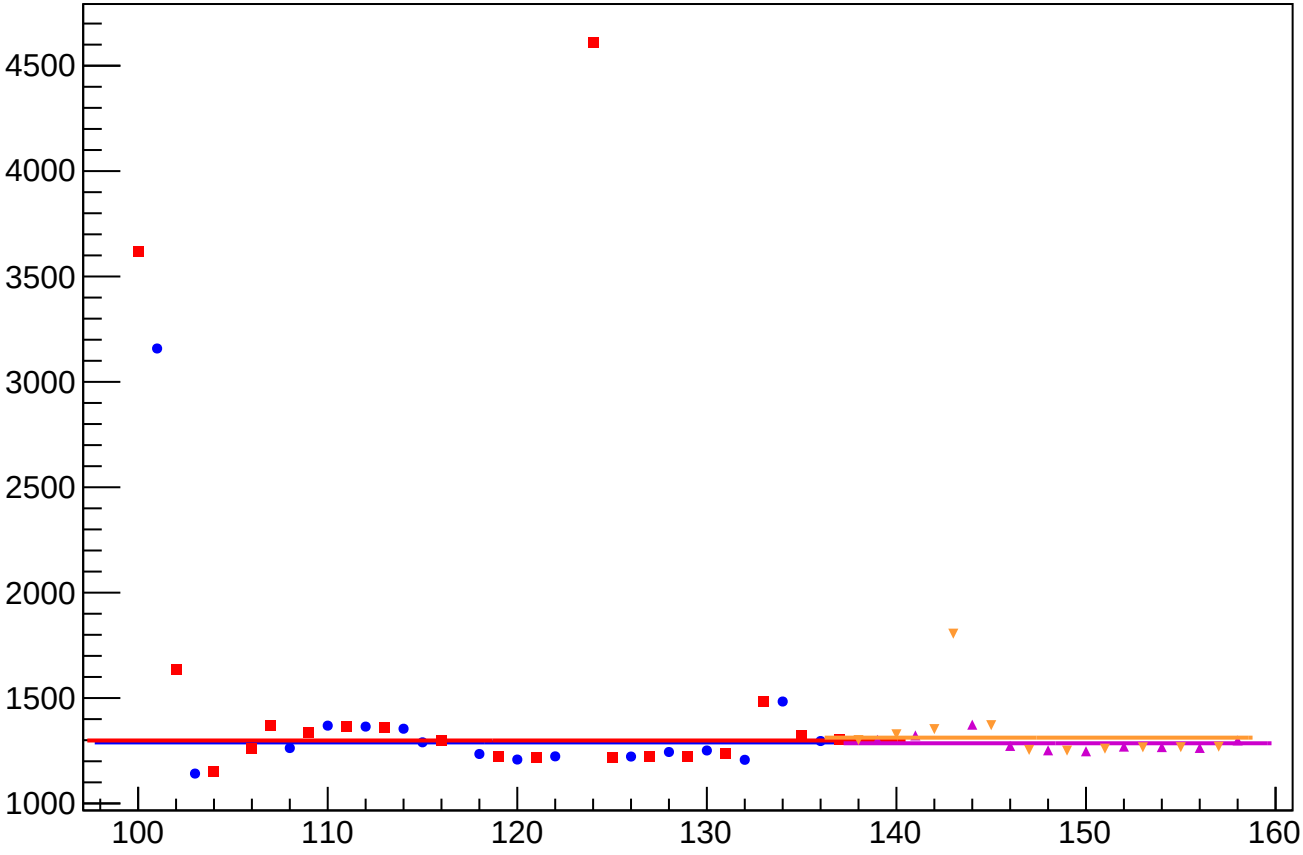
Left In: 370.992+/-435.347 χ^2/NDF:5.3/9

\+ sign 405.032+/-329.784 χ^2/NDF: 33.4/26

All: 319.474+/-231.408 χ^2/NDF: 54.9/55

\- sign 236.486+/-324.793 χ^2/NDF: 21.4/28

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1312.115+/-0.316 χ^2/NDF:142754.0/10

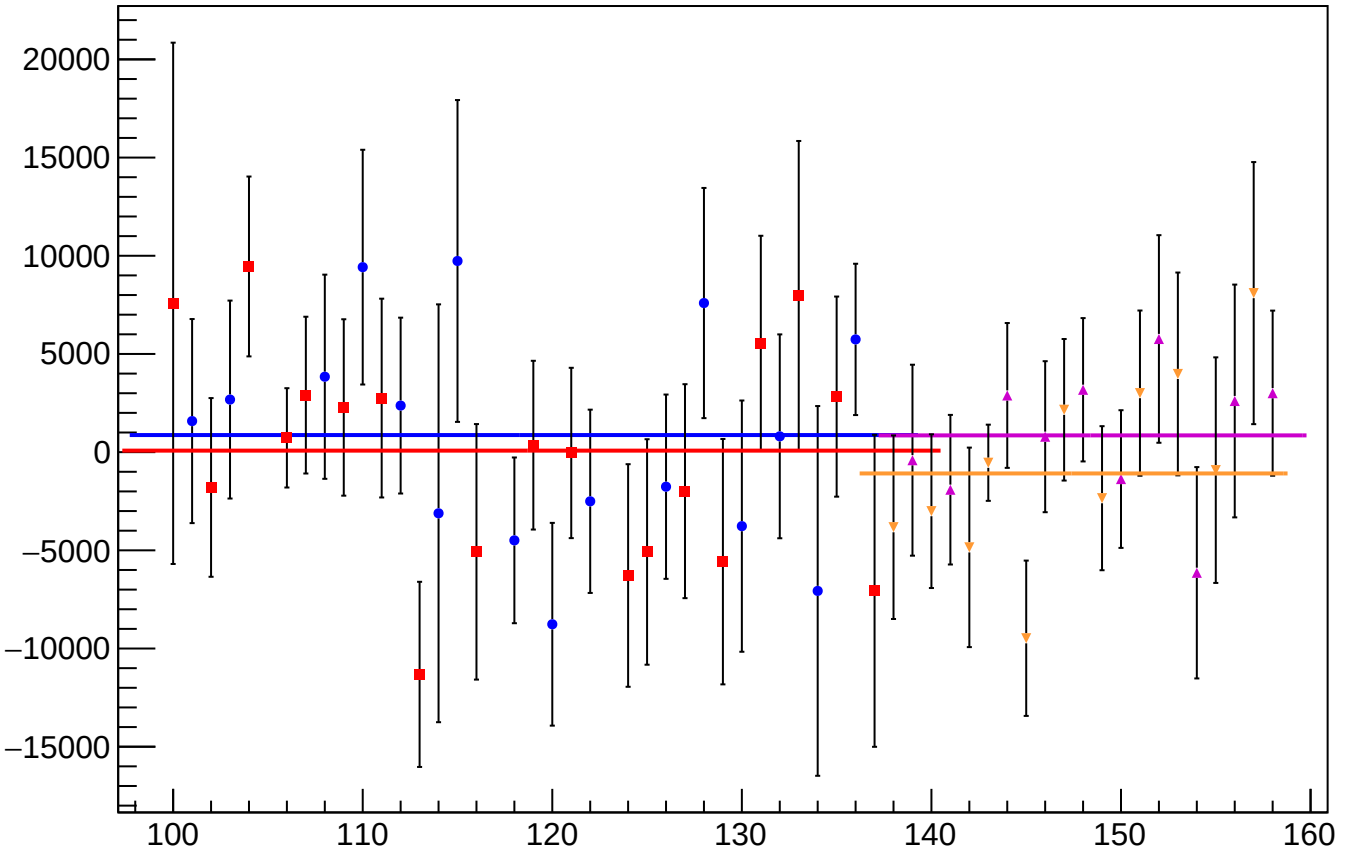
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1285.413+/-0.308 χ^2/NDF:13471.2/9

+ sign 1301.800+/-0.233 χ^2/NDF: 659768.6/26

All: 1296.465+/-0.164 χ^2/NDF: 994467.5/55

- sign 1291.302+/-0.229 χ^2/NDF: 333669.0/28



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -1084.819+/-1133.980 χ^2/NDF:10.4/10

Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

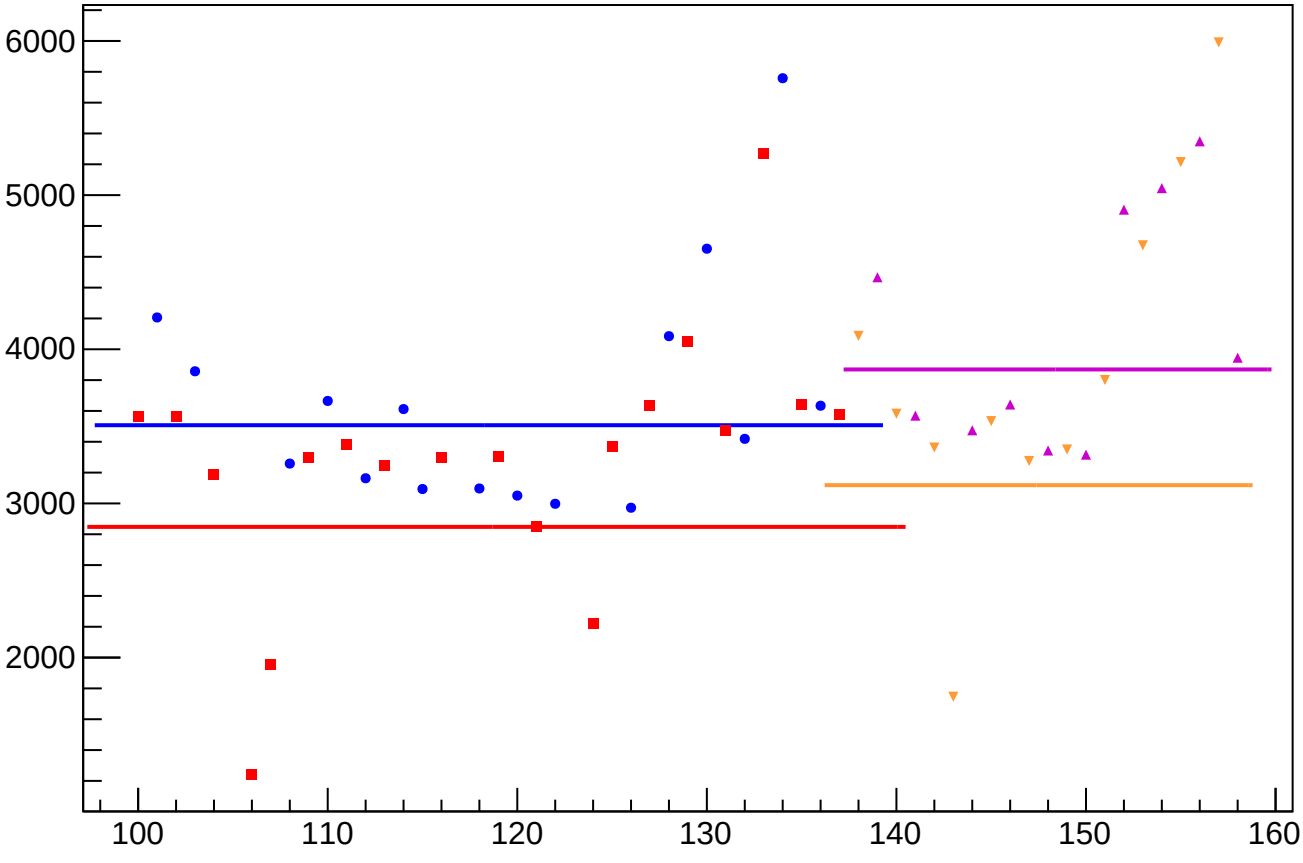
Left In: 853.490+/-1331.282 χ^2/NDF:4.6/9

+ sign -258.429+/-861.615 χ^2/NDF: 25.7/26

All: 72.060+/-606.193 χ^2/NDF: 49.2/55

- sign 395.990+/-853.023 χ^2/NDF: 23.2/28

asym_atl_dd_atr_dd_avg_reg_correction_rms vs Slug



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3118.453+/-0.802 χ^2/NDF:2024690.3/10

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

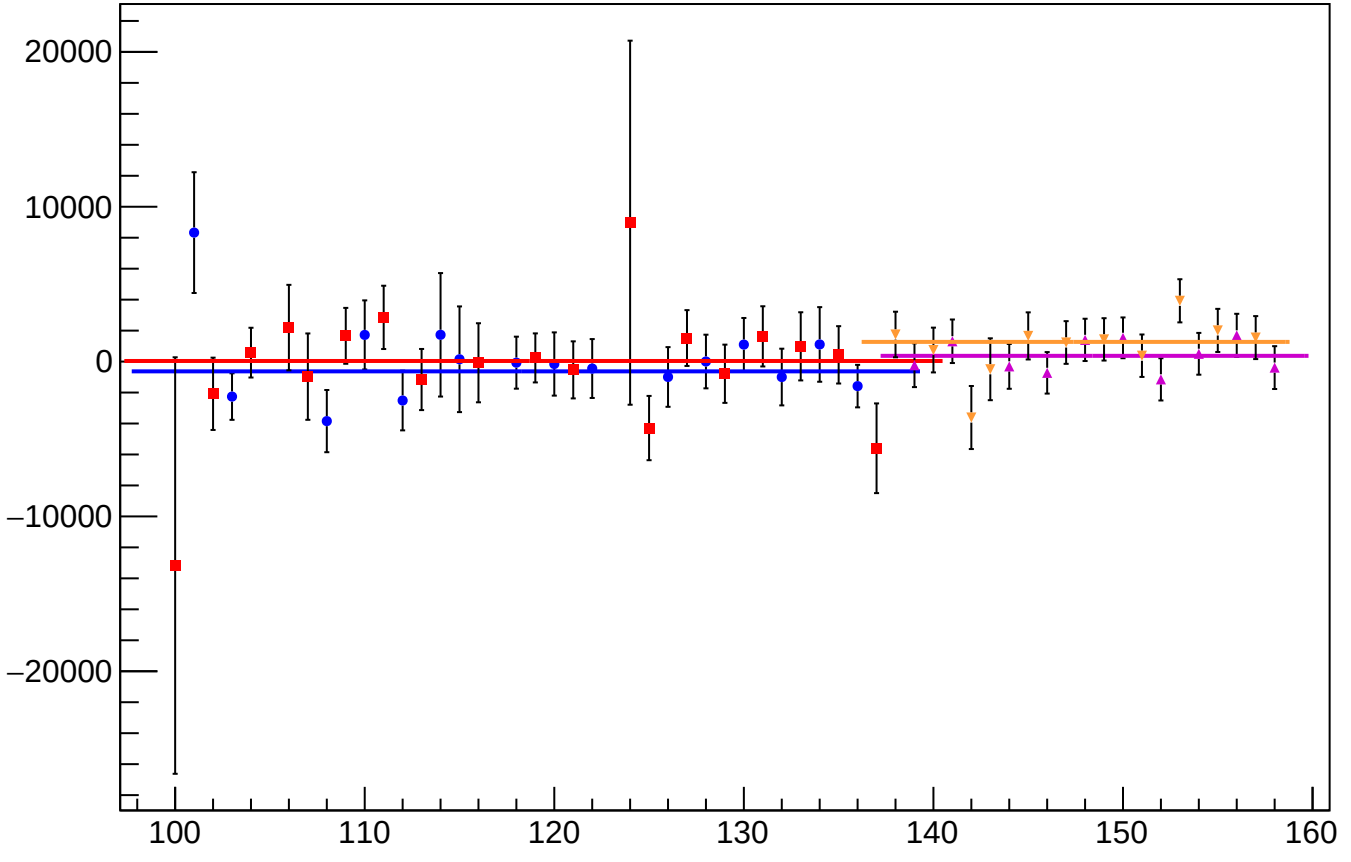
Left In: 3869.144+/-0.941 χ^2/NDF:461574.8/9

+ sign 3282.852+/-0.609 χ^2/NDF: 2478119.9/26

All: 3274.921+/-0.429 χ^2/NDF: 5133216.2/55

- sign 3267.147+/-0.603 χ^2/NDF: 2654760.8/28

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1271.563+/-446.901 χ^2/NDF:11.2/10

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

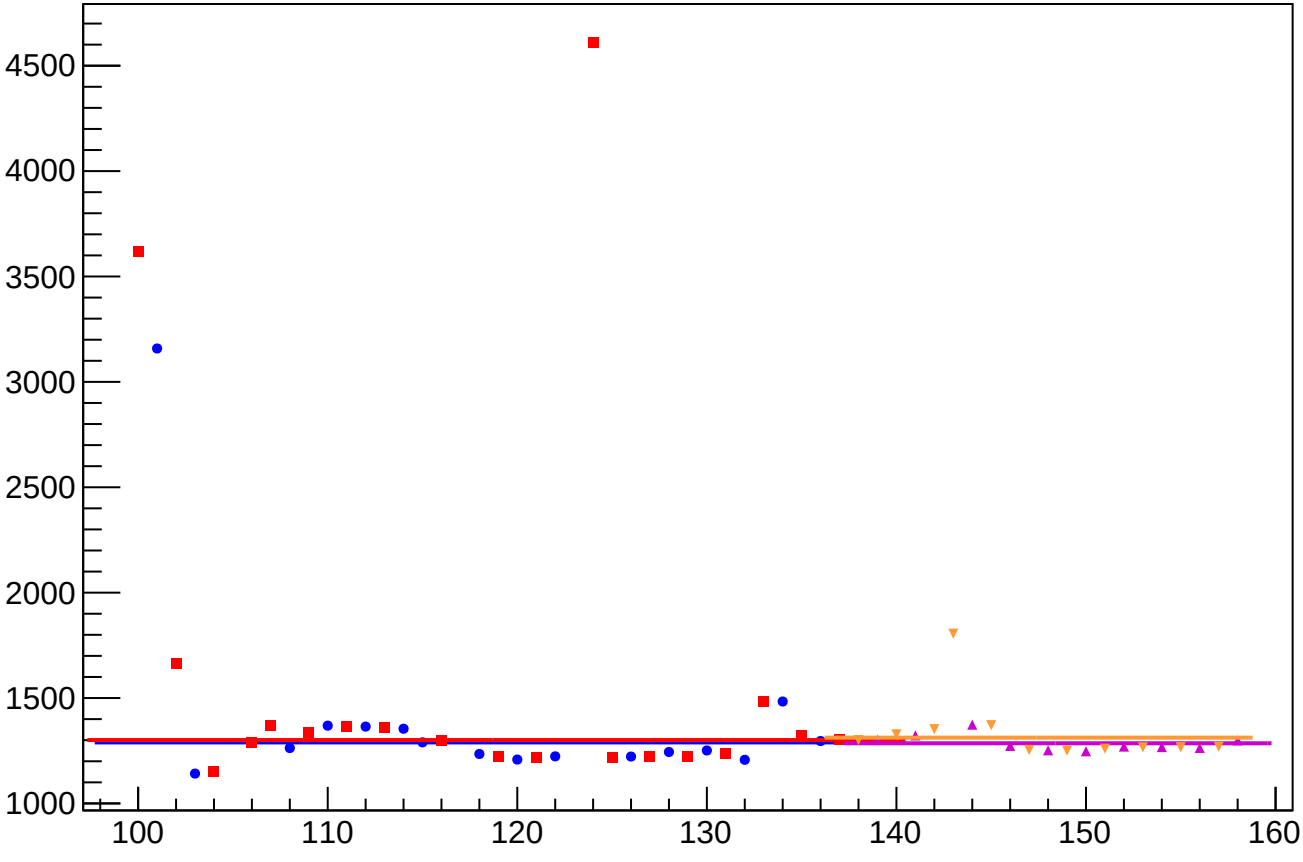
Left In: 370.993+/-435.347 χ^2/NDF:5.3/9

\+ sign 404.846+/-329.784 χ^2/NDF: 33.4/26

All: 312.932+/-231.442 χ^2/NDF: 55.4/55

\- sign 223.728+/-324.888 χ^2/NDF: 21.9/28

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1312.115+/-0.316 χ^2/NDF:142754.0/10

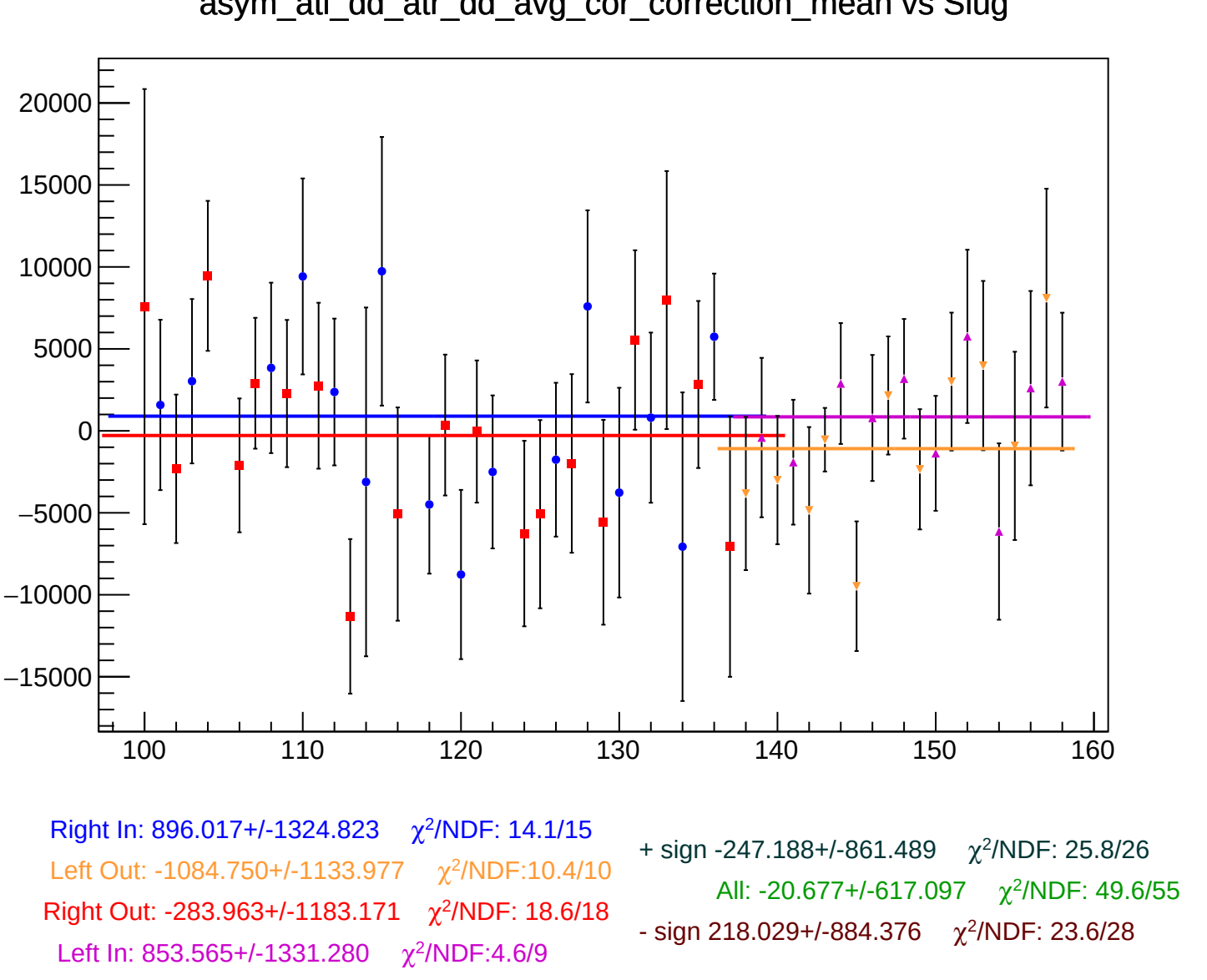
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

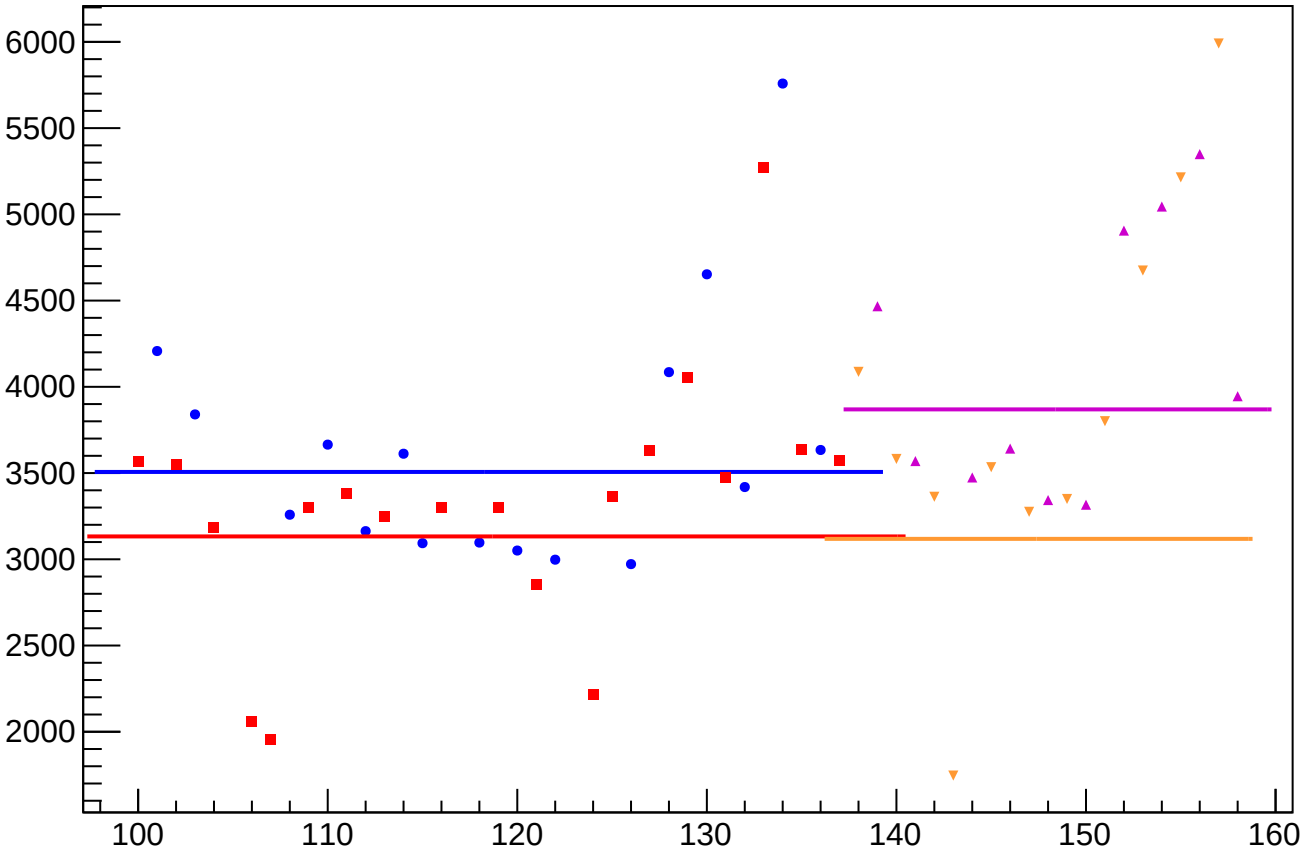
Left In: 1285.413+/-0.308 χ^2/NDF:13471.2/9

+ sign 1301.800+/-0.233 χ^2/NDF: 659770.1/26

All: 1296.921+/-0.164 χ^2/NDF: 1001103.4/55

- sign 1292.193+/-0.230 χ^2/NDF: 340471.5/28


asym_atl_dd_atr_dd_avg_cor_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -1084.750+/-1133.977 χ²/NDF:10.4/10
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 853.565+/-1331.280 χ²/NDF:4.6/9
+ sign -247.188+/-861.489 χ²/NDF: 25.8/26
All: -20.677+/-617.097 χ²/NDF: 49.6/55
- sign 218.029+/-884.376 χ²/NDF: 23.6/28



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3118.442+/-0.802 χ^2/NDF:2024712.1/10

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

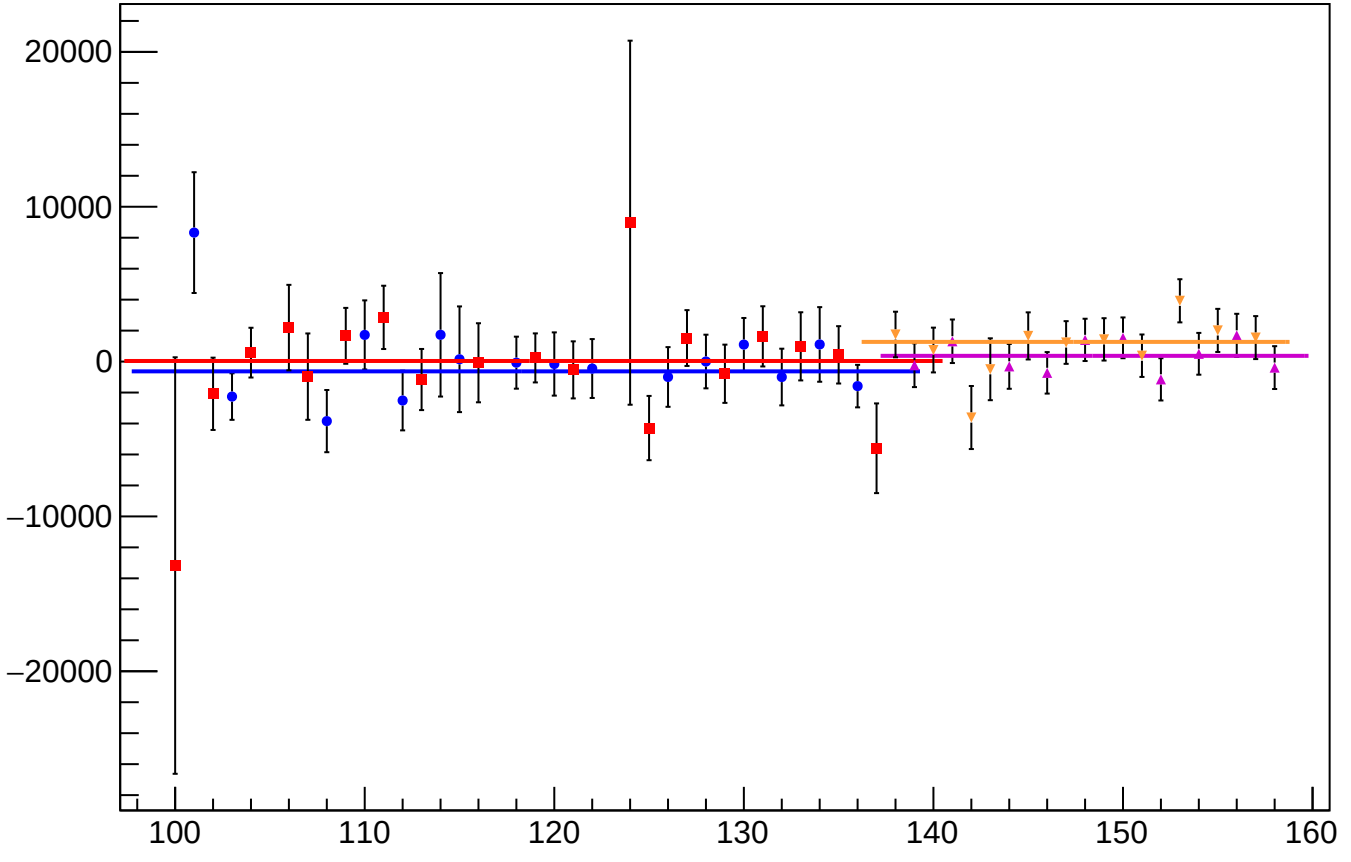
Left In: 3869.140+/-0.941 χ^2/NDF:461575.5/9

+ sign 3282.525+/-0.609 χ^2/NDF: 2476978.6/26

All: 3367.781+/-0.436 χ^2/NDF: 3970436.1/55

- sign 3457.628+/-0.625 χ^2/NDF: 1453227.3/28

eigen_cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1271.563+/-446.901 χ^2/NDF:11.2/10

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

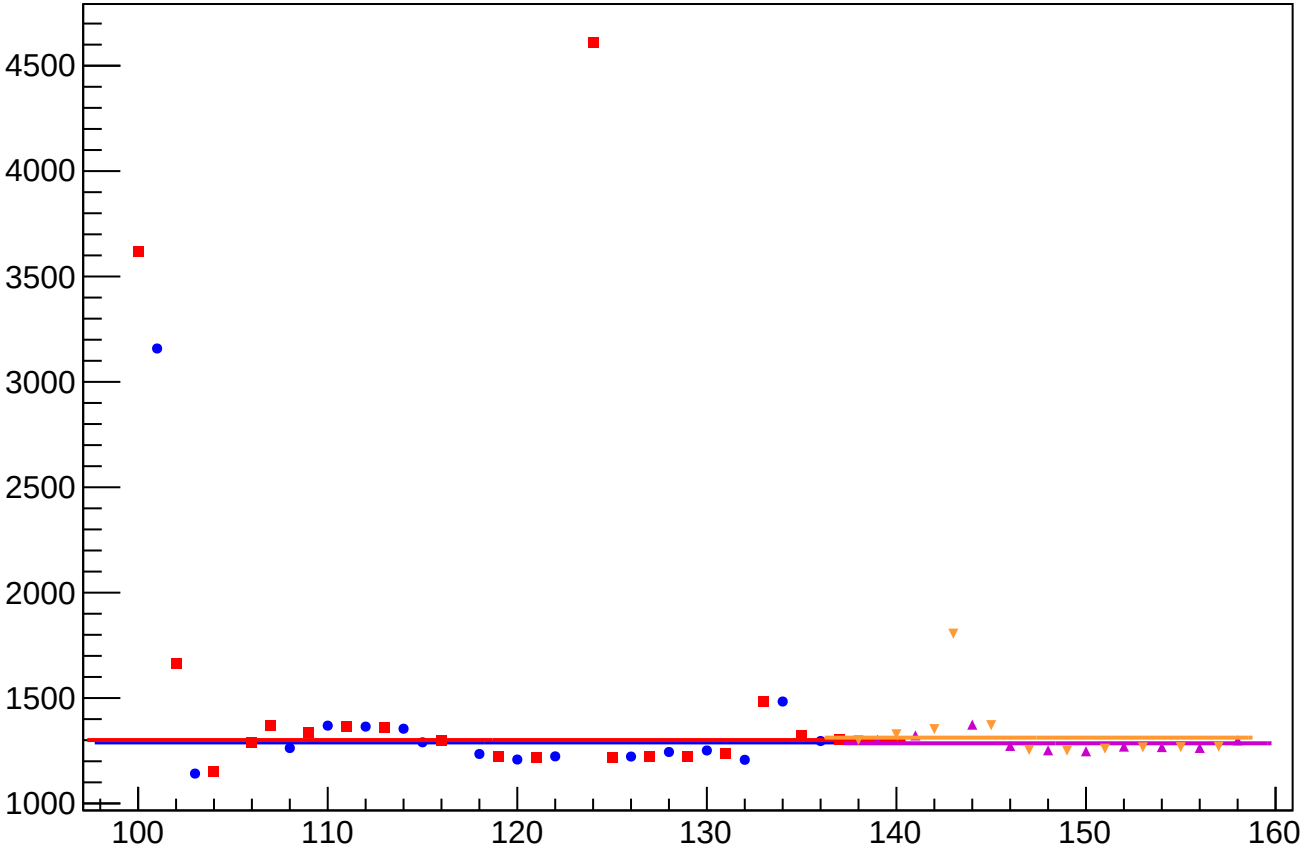
Left In: 370.993+/-435.347 χ^2/NDF:5.3/9

+ sign 404.846+/-329.784 χ^2/NDF: 33.4/26

All: 312.932+/-231.442 χ^2/NDF: 55.4/55

- sign 223.728+/-324.888 χ^2/NDF: 21.9/28

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1312.115+/-0.316 χ^2/NDF:142754.0/10

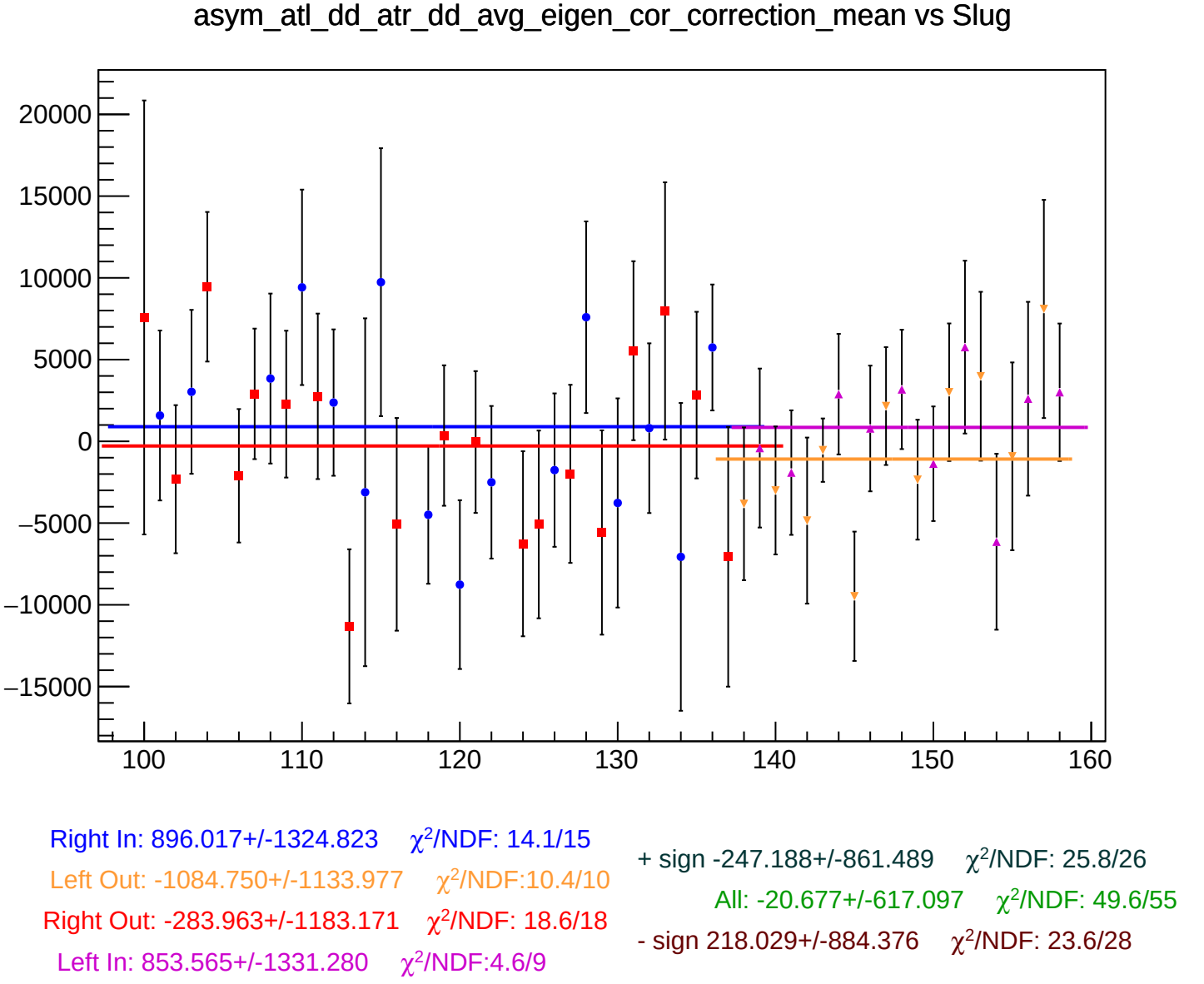
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

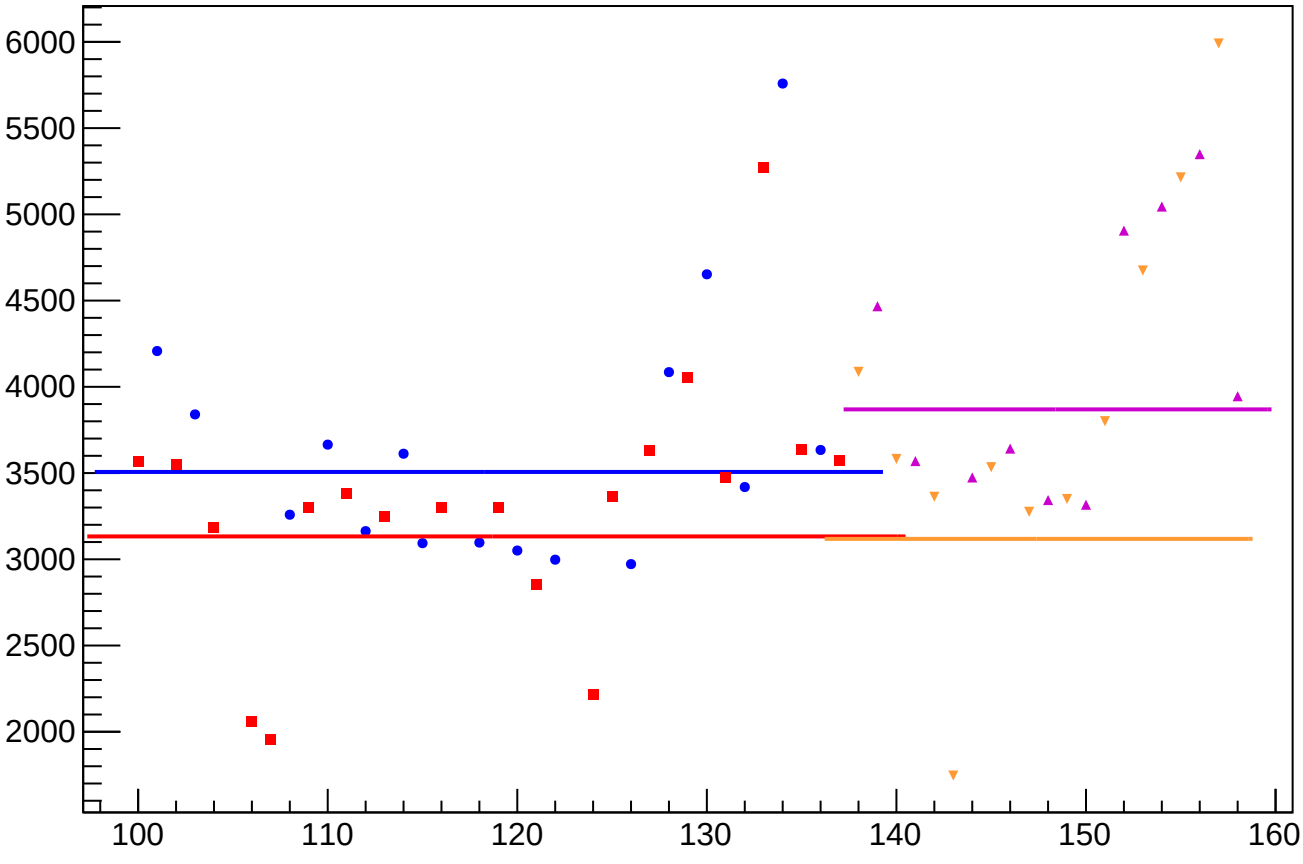
Left In: 1285.413+/-0.308 χ^2/NDF:13471.2/9

+ sign 1301.800+/-0.233 χ^2/NDF: 659770.1/26

All: 1296.921+/-0.164 χ^2/NDF: 1001103.4/55

- sign 1292.193+/-0.230 χ^2/NDF: 340471.5/28


asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -1084.750+/-1133.977 χ²/NDF:10.4/10
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 853.565+/-1331.280 χ²/NDF:4.6/9
+ sign -247.188+/-861.489 χ²/NDF: 25.8/26
All: -20.677+/-617.097 χ²/NDF: 49.6/55
- sign 218.029+/-884.376 χ²/NDF: 23.6/28



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3118.442+/-0.802 χ^2/NDF:2024712.1/10

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

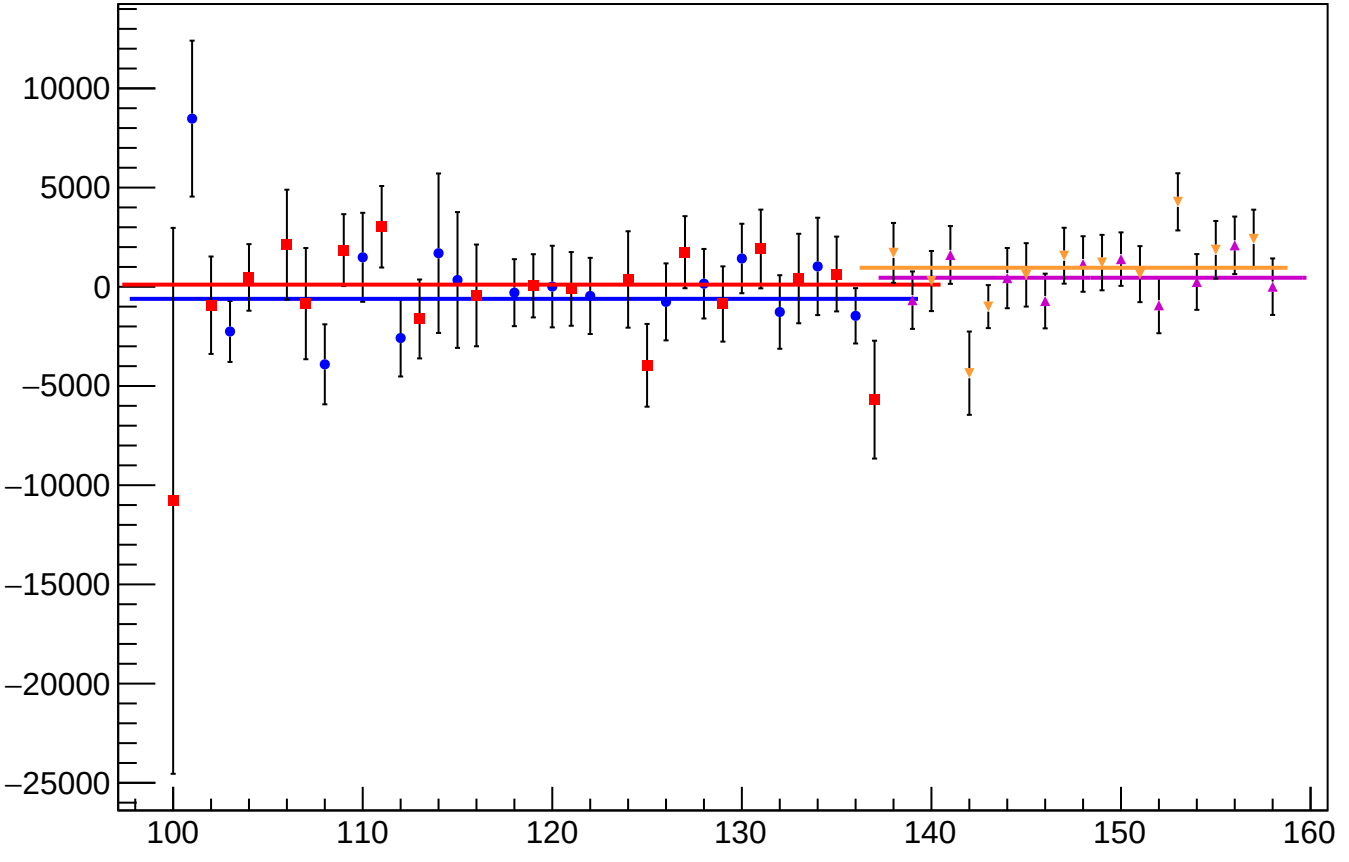
Left In: 3869.140+/-0.941 χ^2/NDF:461575.5/9

\+ sign 3282.525+/-0.609 χ^2/NDF: 2476978.6/26

All: 3367.781+/-0.436 χ^2/NDF: 3970436.1/55

\- sign 3457.628+/-0.625 χ^2/NDF: 1453227.3/28

dit_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 959.320+/-435.286 χ^2/NDF:17.1/10

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

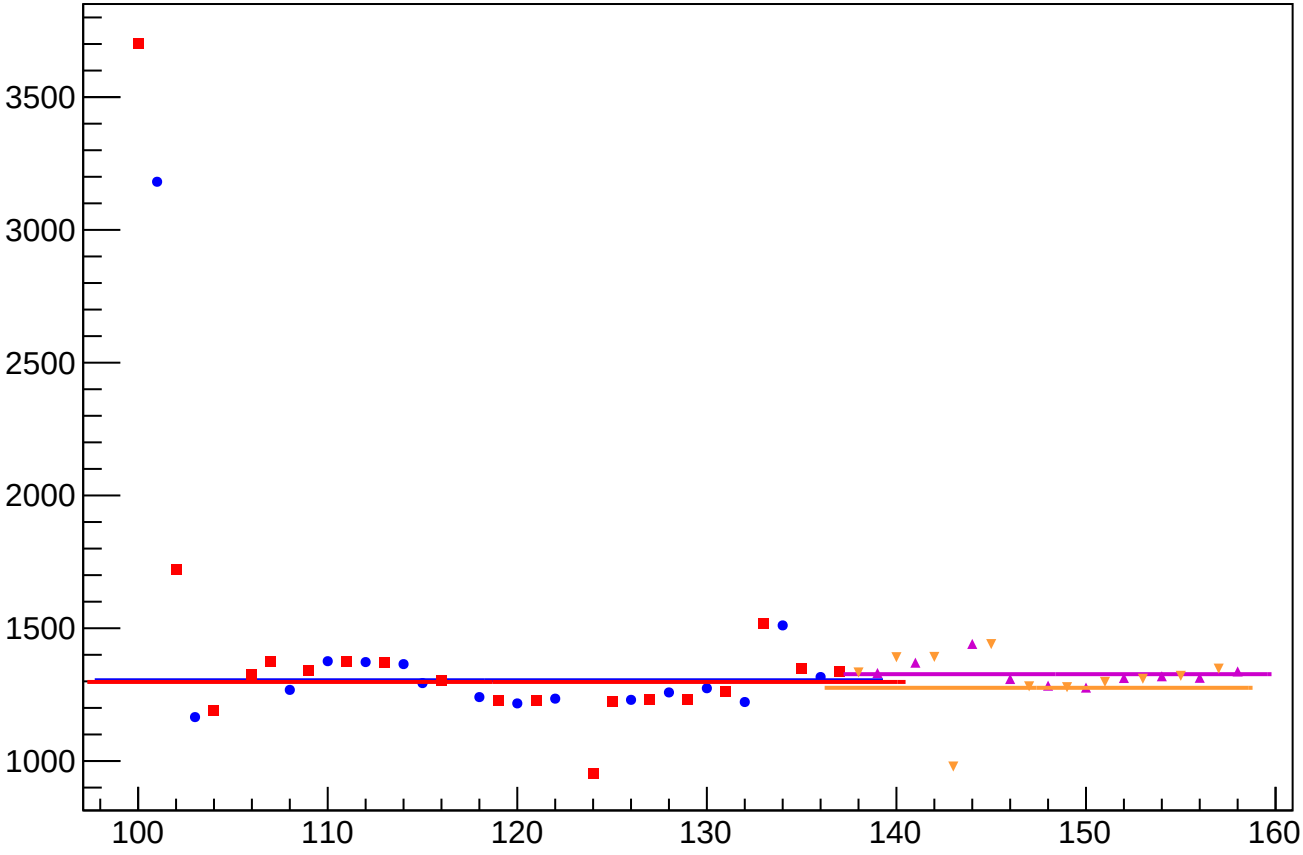
Left In: 455.385+/-449.548 χ^2/NDF:5.0/9

+ sign 274.649+/-326.642 χ^2/NDF: 36.9/26

All: 284.889+/-232.105 χ^2/NDF: 57.1/55

- sign 295.331+/-329.873 χ^2/NDF: 20.2/28

dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1275.710+/-0.308 χ^2/NDF:199772.2/10

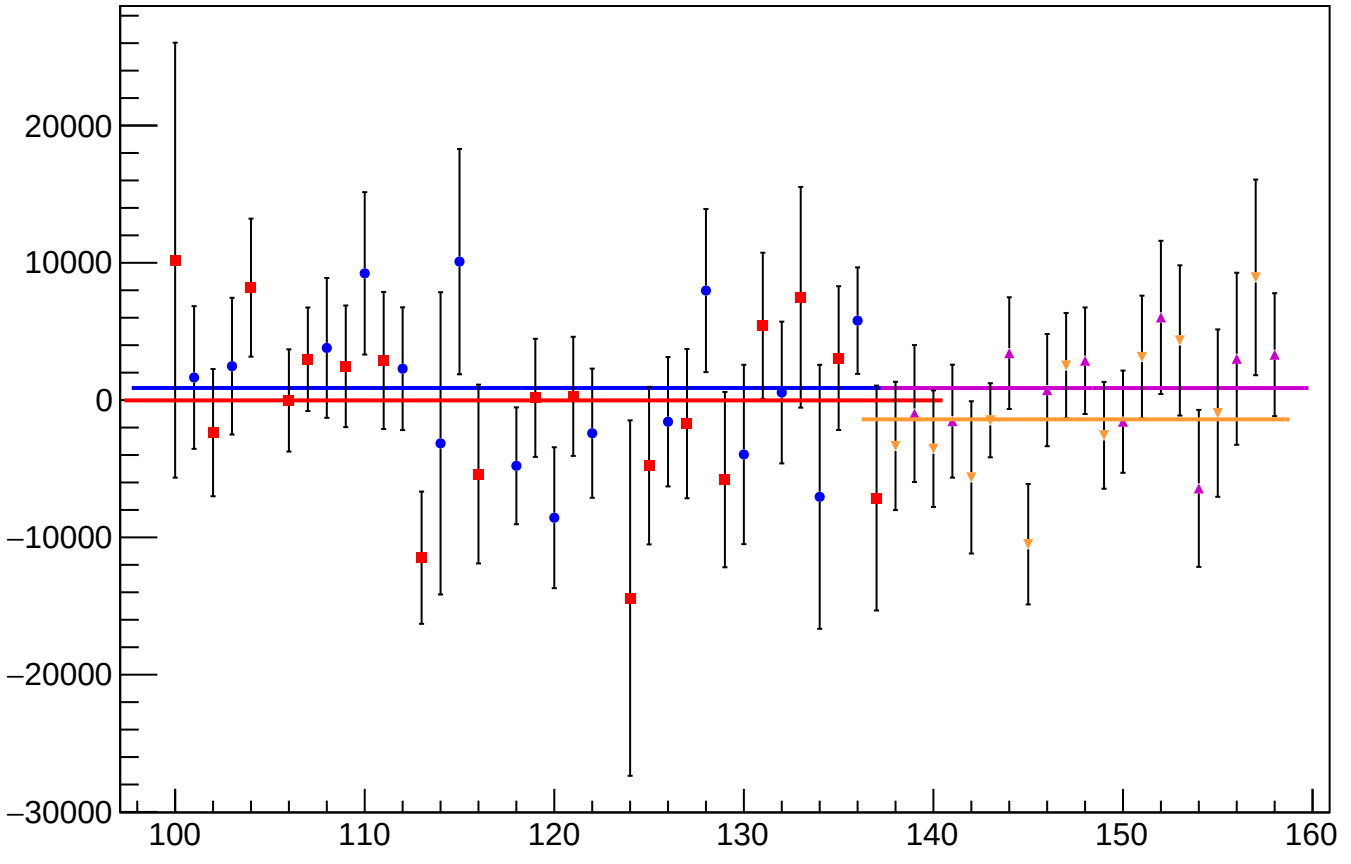
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1327.060+/-0.318 χ^2/NDF:18667.2/9

+ sign 1288.114+/-0.231 χ^2/NDF: 714079.2/26

All: 1300.708+/-0.164 χ^2/NDF: 955760.7/55

- sign 1313.542+/-0.233 χ^2/NDF: 235679.0/28



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -1402.344+/-1304.423 χ^2/NDF:10.7/10

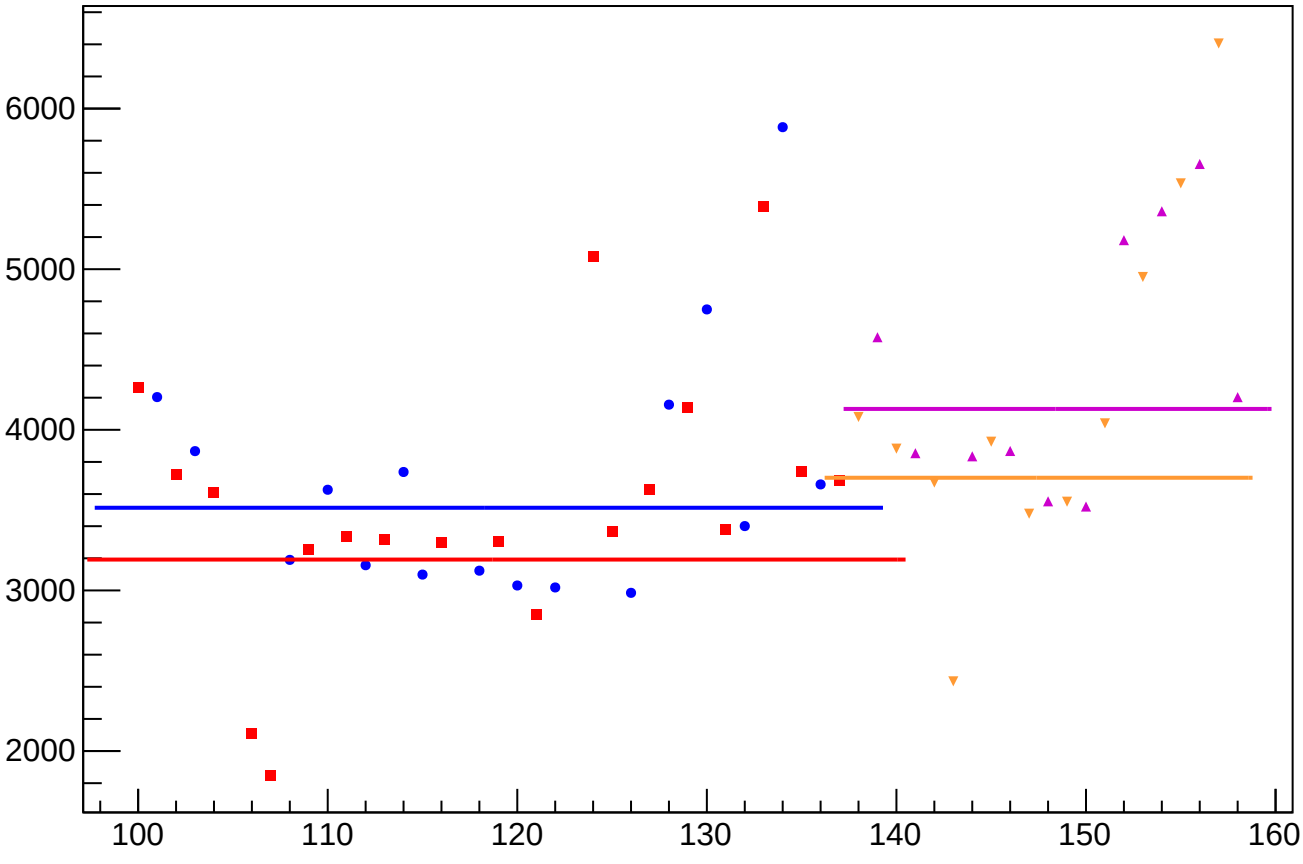
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 877.438+/-1419.681 χ^2/NDF:4.5/9

\+ sign -279.102+/-930.383 χ^2/NDF: 26.3/26

All: 42.011+/-652.907 χ^2/NDF: 48.1/55

\- sign 353.595+/-916.474 χ^2/NDF: 21.5/28



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3701.556+/-0.922 χ^2/NDF:1058092.4/10

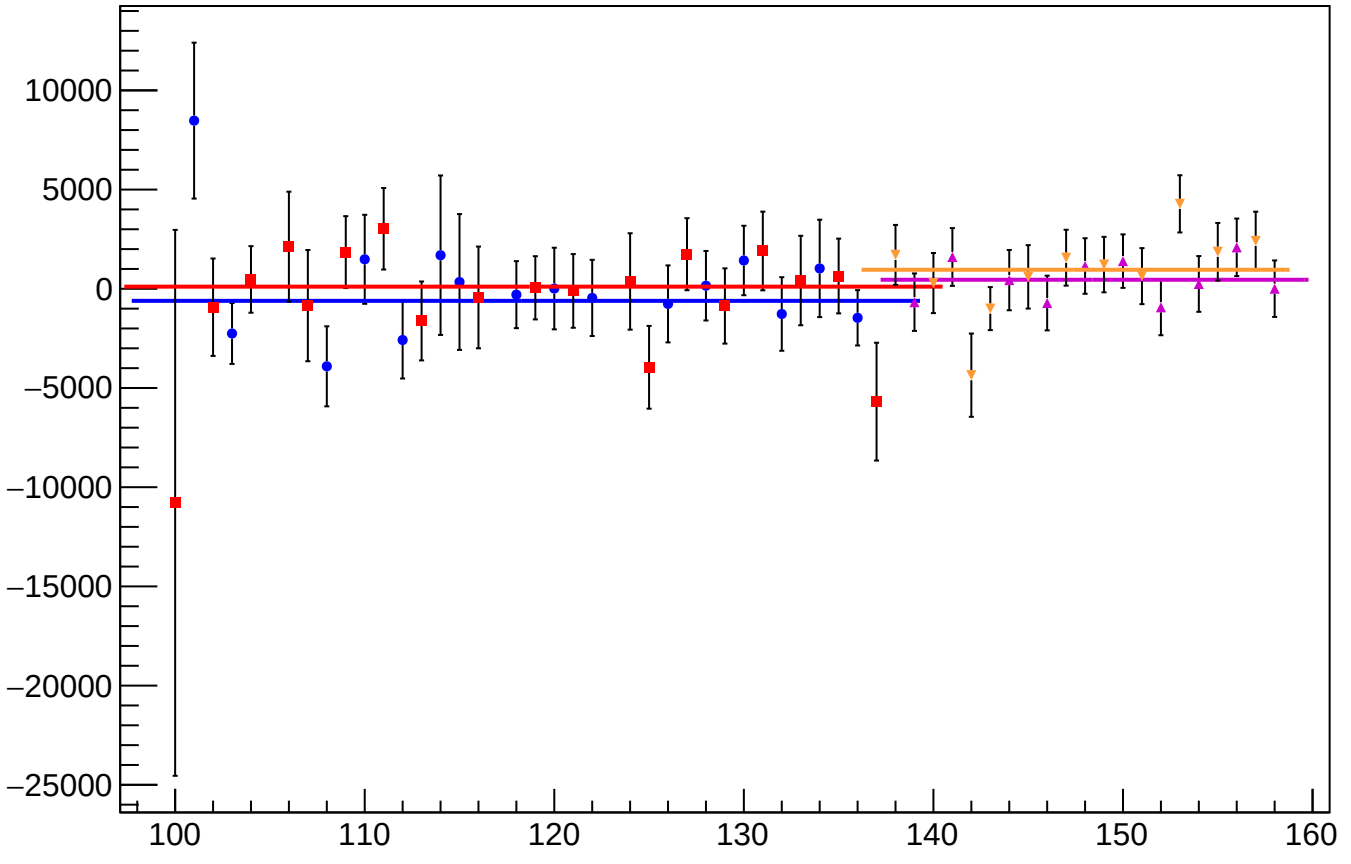
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4130.051+/-1.004 χ^2/NDF:423451.5/9

+ sign 3609.781+/-0.658 χ^2/NDF: 1453322.9/26

All: 3596.207+/-0.462 χ^2/NDF: 3159181.9/55

- sign 3583.036+/-0.648 χ^2/NDF: 1705020.2/28



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 959.321+/-435.287 χ^2/NDF:17.1/10

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

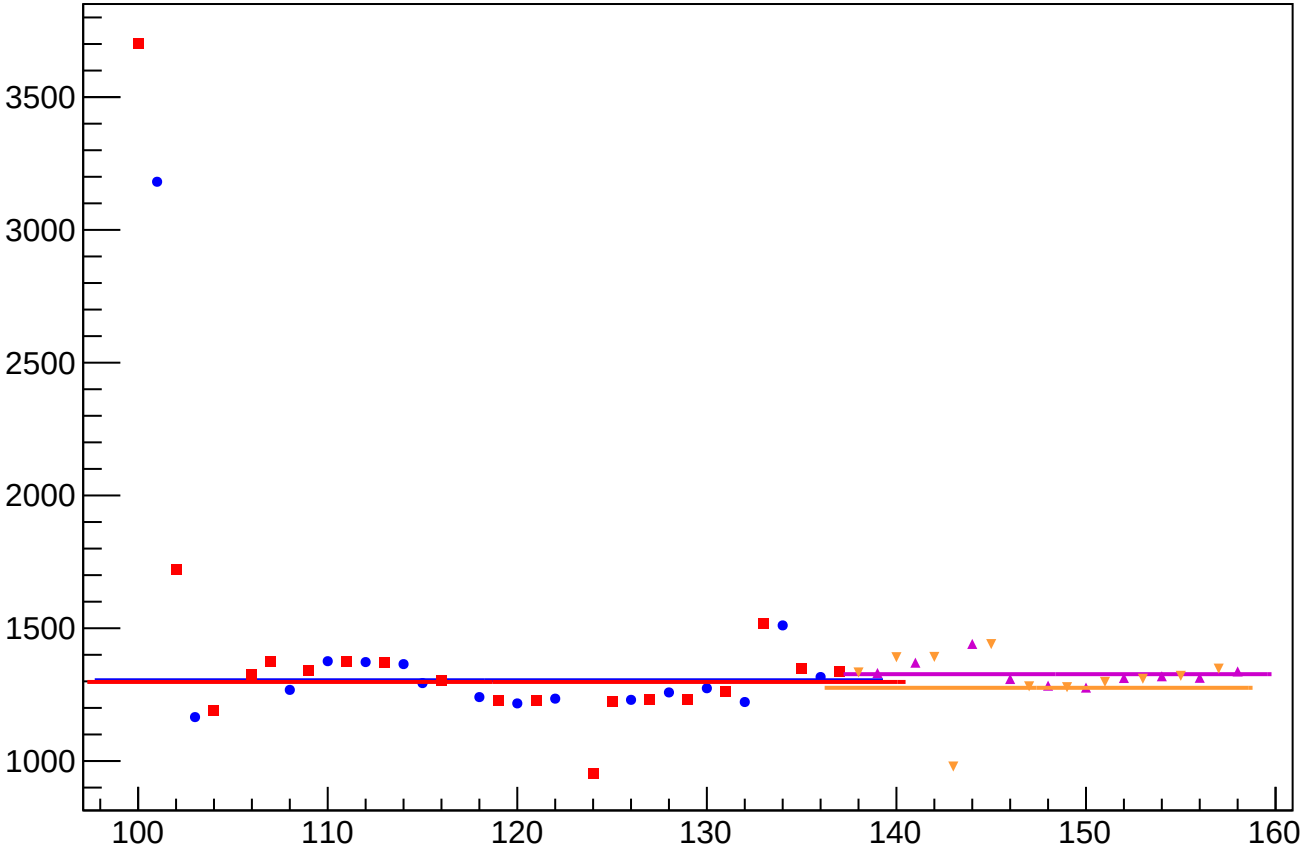
Left In: 455.385+/-449.549 χ^2/NDF:5.0/9

+ sign 274.648+/-326.642 χ^2/NDF: 36.9/26

All: 284.889+/-232.105 χ^2/NDF: 57.1/55

- sign 295.334+/-329.874 χ^2/NDF: 20.2/28

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1275.711+/-0.308 χ^2/NDF:199772.7/10

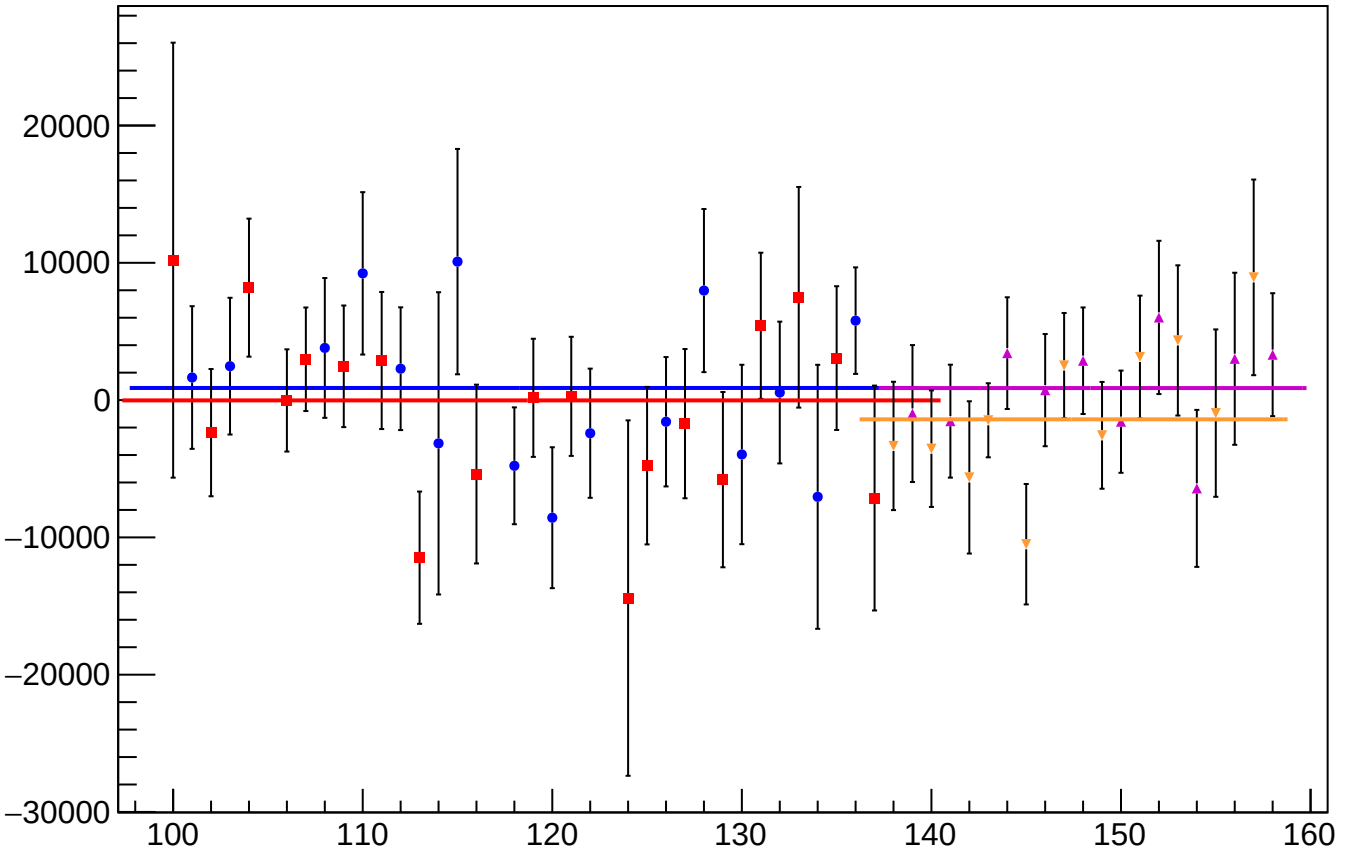
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1327.061+/-0.318 χ^2/NDF:18667.3/9

+ sign 1288.115+/-0.231 χ^2/NDF: 714079.5/26

All: 1300.708+/-0.164 χ^2/NDF: 955761.5/55

- sign 1313.543+/-0.233 χ^2/NDF: 235679.4/28



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -1402.341+/-1304.425 χ^2/NDF:10.7/10

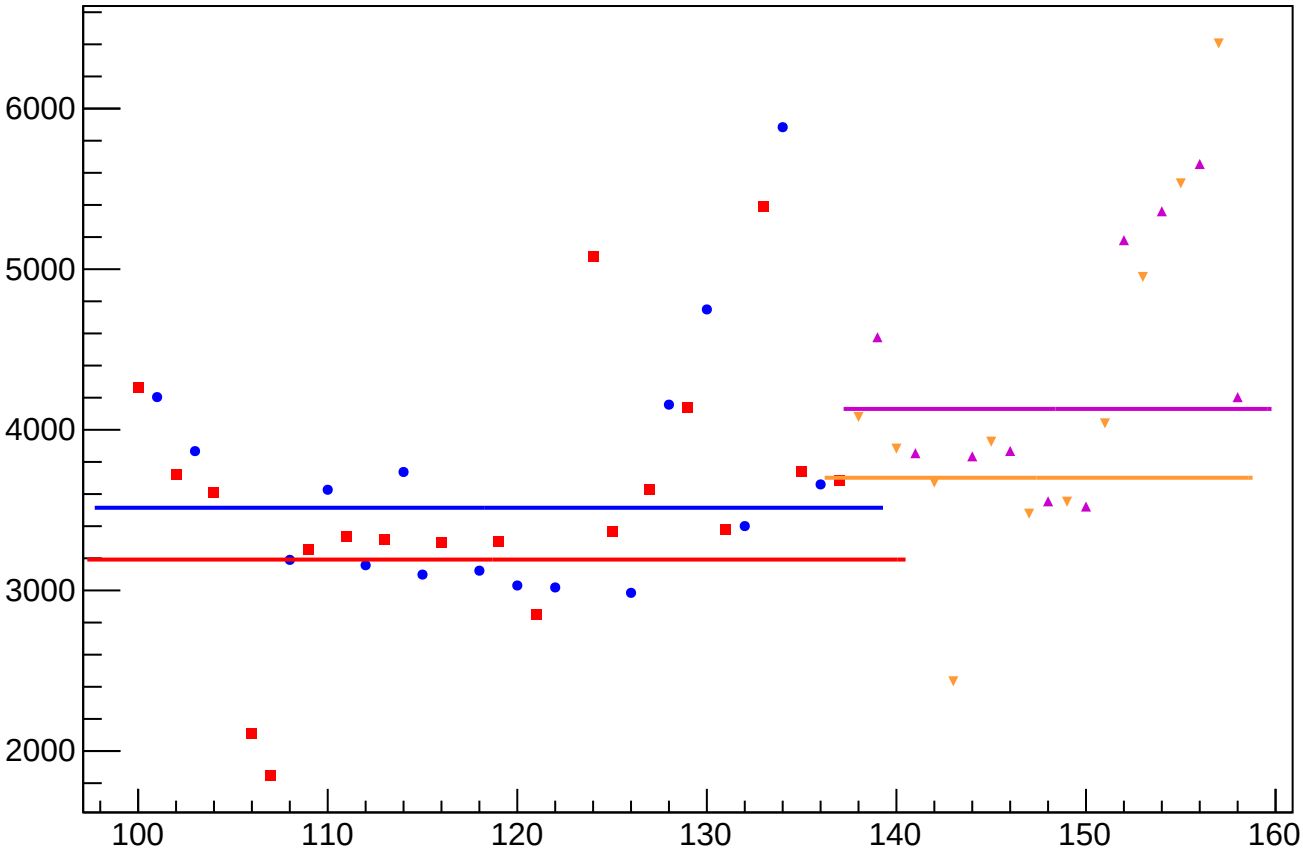
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 877.438+/-1419.683 χ^2/NDF:4.5/9

+ sign -279.102+/-930.383 χ^2/NDF: 26.3/26

All: 42.012+/-652.907 χ^2/NDF: 48.1/55

- sign 353.596+/-916.473 χ^2/NDF: 21.5/28



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3701.561+/-0.922 χ^2/NDF:1058092.4/10

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

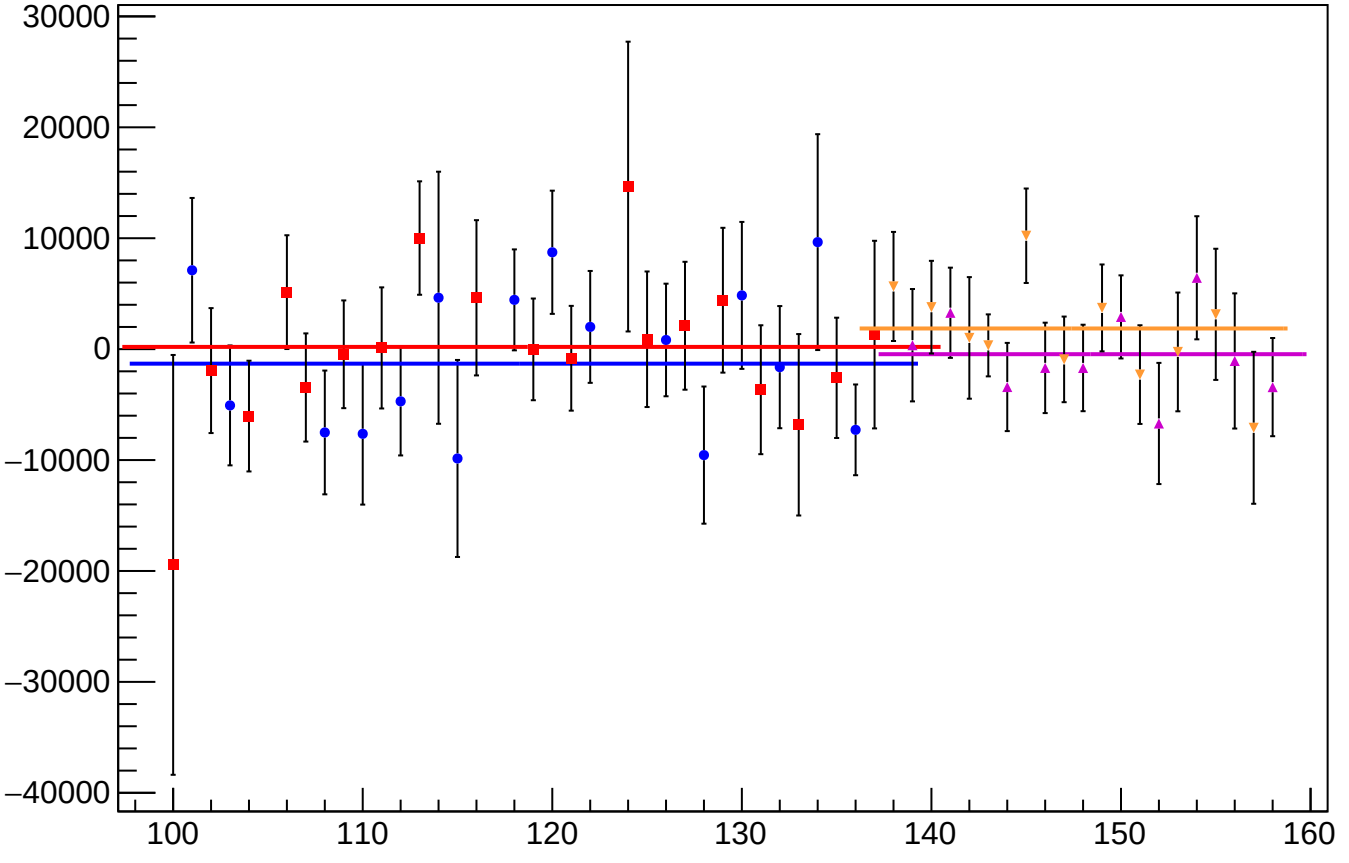
Left In: 4130.057+/-1.004 χ^2/NDF:423452.1/9

+ sign 3609.779+/-0.658 χ^2/NDF: 1453330.1/26

All: 3596.204+/-0.462 χ^2/NDF: 3159206.6/55

- sign 3583.032+/-0.648 χ^2/NDF: 1705037.6/28

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 1863.162+/-1310.041 χ^2/NDF:8.5/10

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

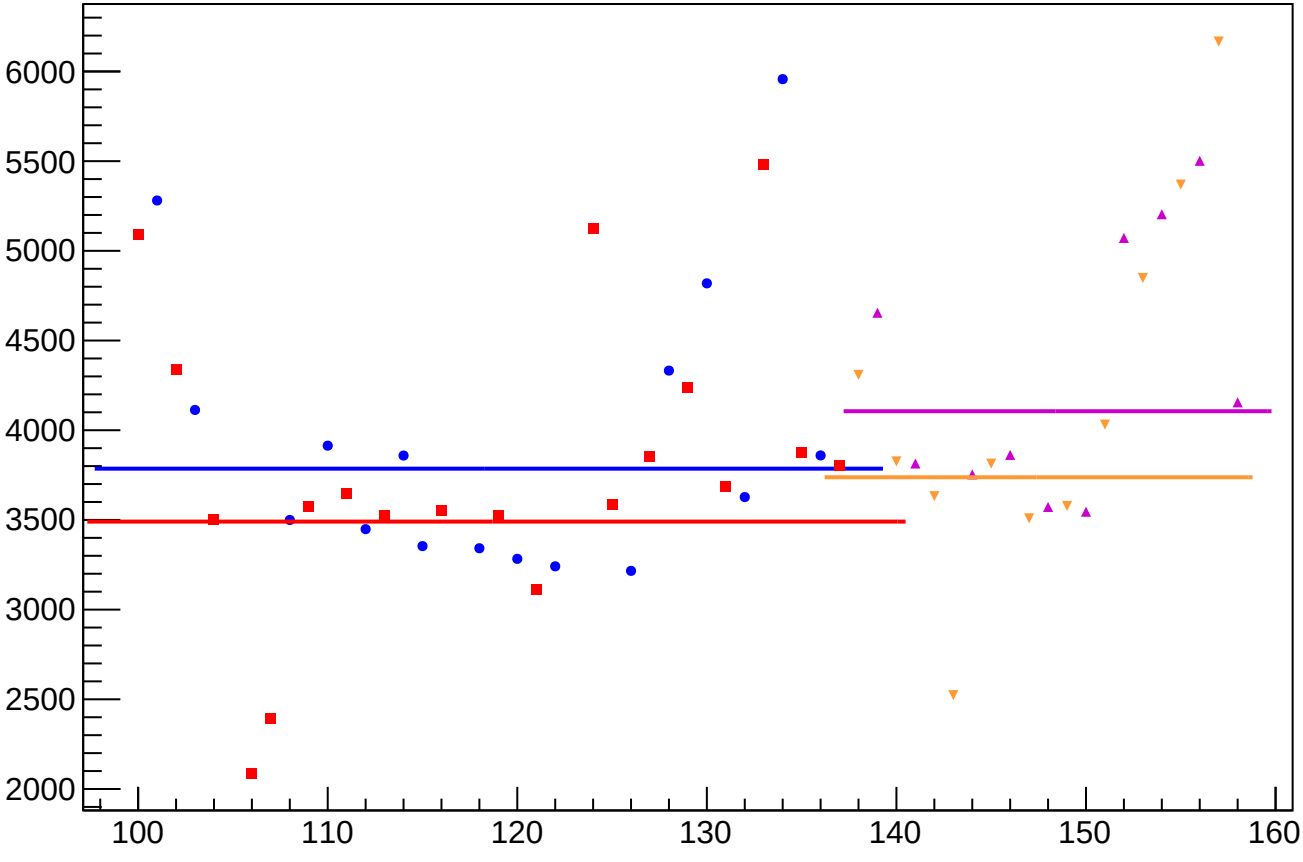
Left In: -454.679+/-1408.822 χ^2/NDF:5.7/9

+ sign 417.320+/-966.469 χ^2/NDF: 28.8/26

All: 154.889+/-684.445 χ^2/NDF: 46.4/55

- sign -109.159+/-969.441 χ^2/NDF: 17.5/28

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3737.868+/-0.926 χ^2/NDF:915896.8/10

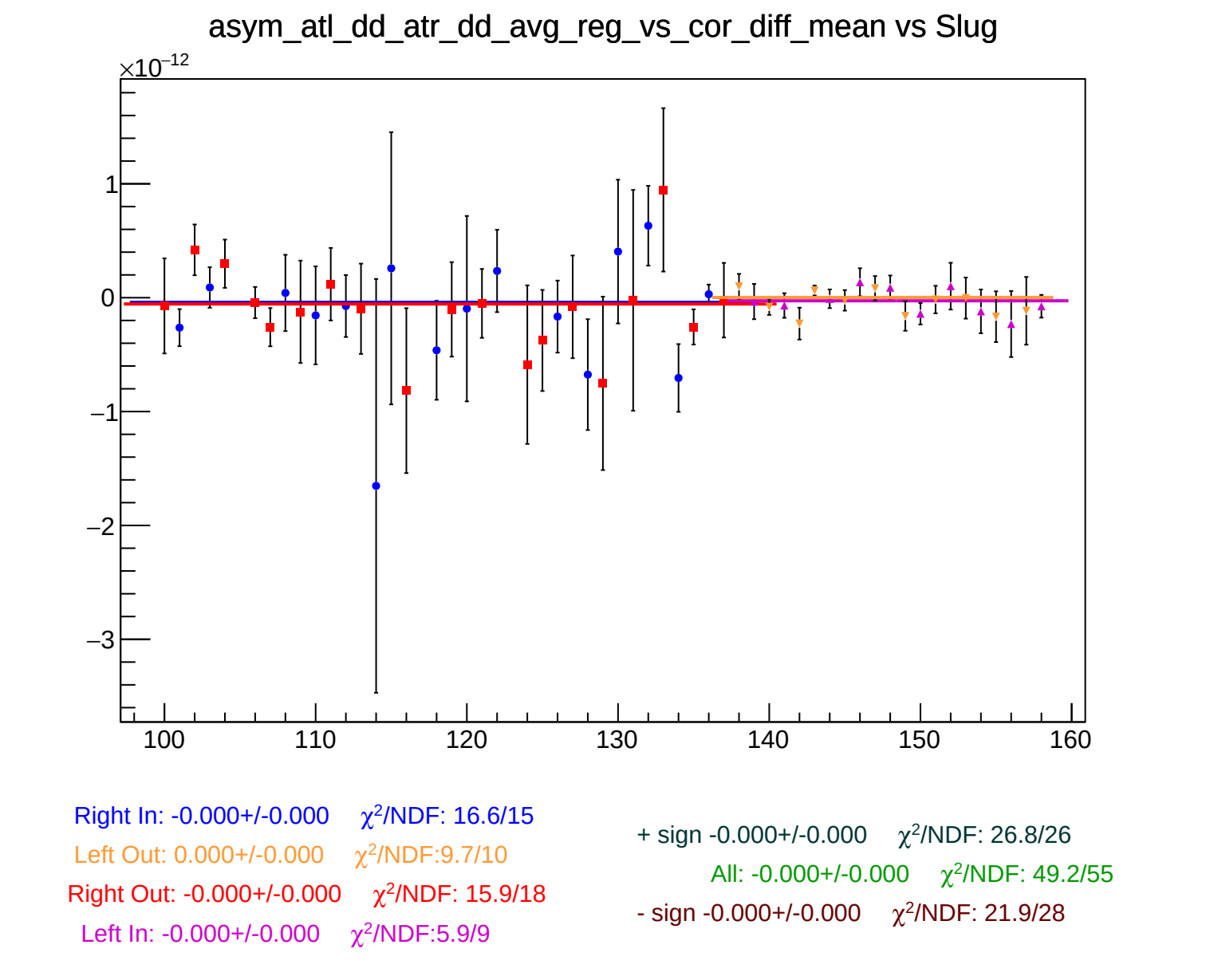
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

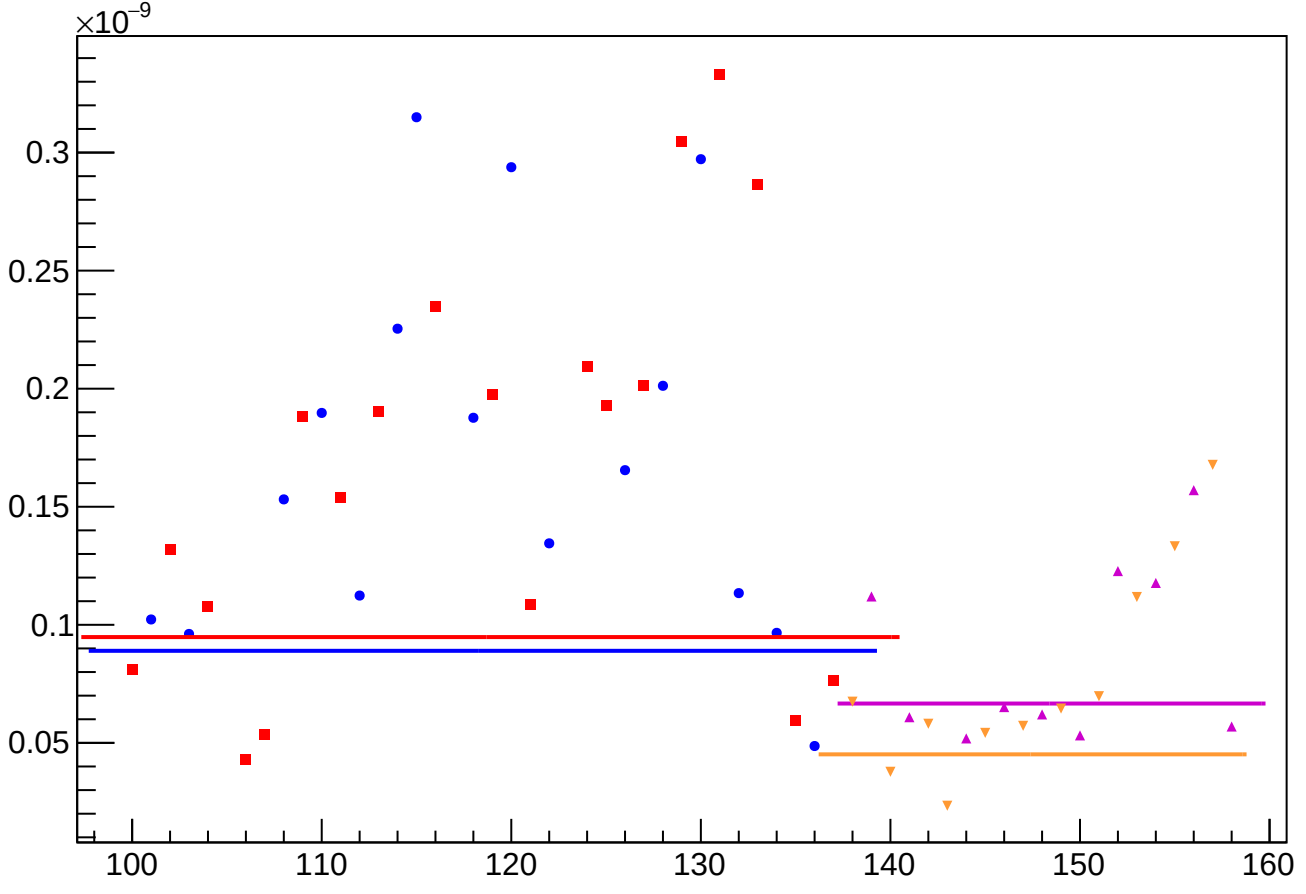
Left In: 4105.999+/-0.996 χ^2/NDF:384869.6/9

+ sign 3759.701+/-0.683 χ^2/NDF: 1300108.5/26

All: 3768.787+/-0.482 χ^2/NDF: 2475564.7/55

- sign 3777.797+/-0.681 χ^2/NDF: 1175104.2/28


asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
1
0
−1
−2
−3
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: 0.000+/-0.000 χ²/NDF:9.7/10
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: -0.000+/-0.000 χ²/NDF:5.9/9
+ sign -0.000+/-0.000 χ²/NDF: 26.8/26
All: -0.000+/-0.000 χ²/NDF: 49.2/55
- sign -0.000+/-0.000 χ²/NDF: 21.9/28



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1710752.5/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

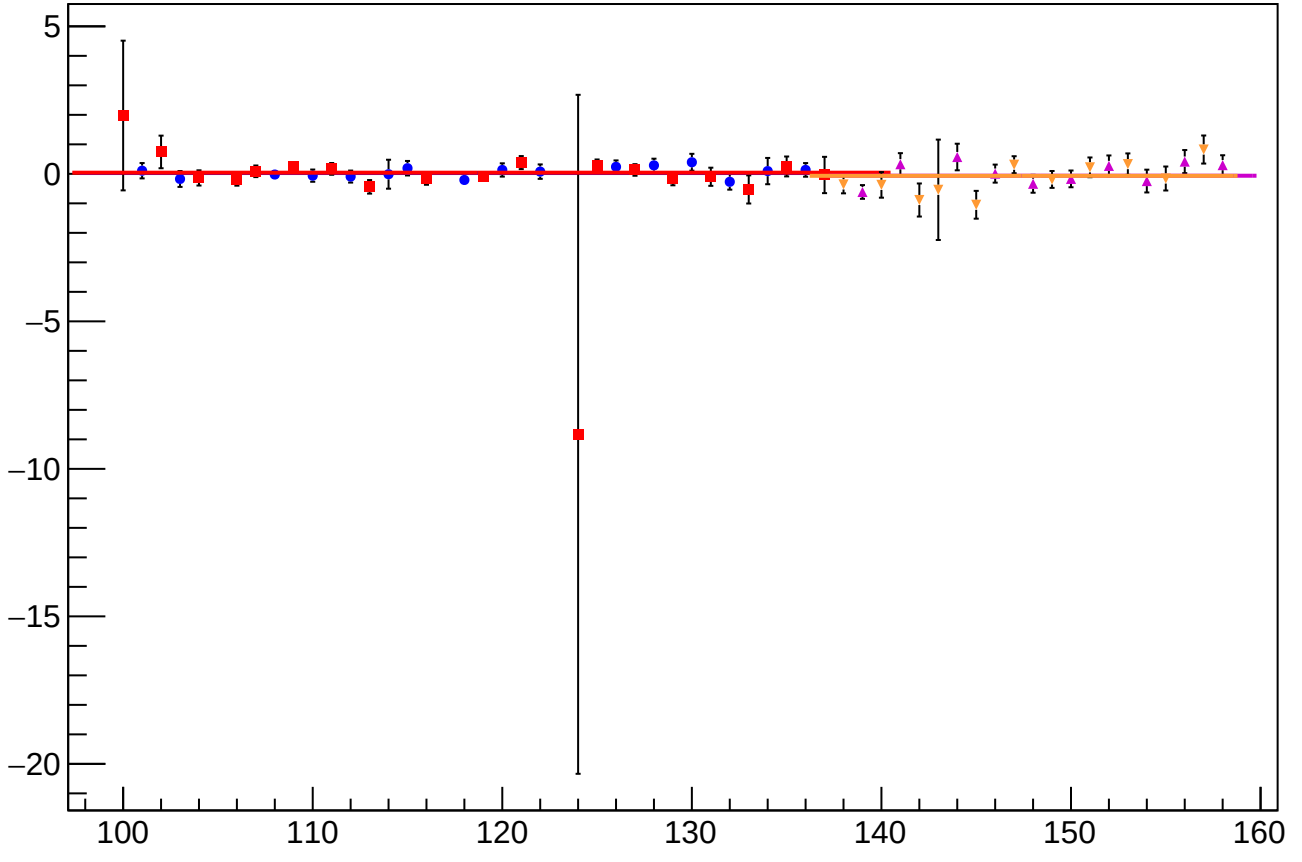
Left In: 0.000+/-0.000 χ^2/NDF:790929.3/9

+ sign 0.000+/-0.000 χ^2/NDF: 4069870.6/26

All: 0.000+/-0.000 χ^2/NDF: 7380104.0/55

- sign 0.000+/-0.000 χ^2/NDF: 2812992.9/28

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.067+/-0.115 χ^2/NDF:15.4/10

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

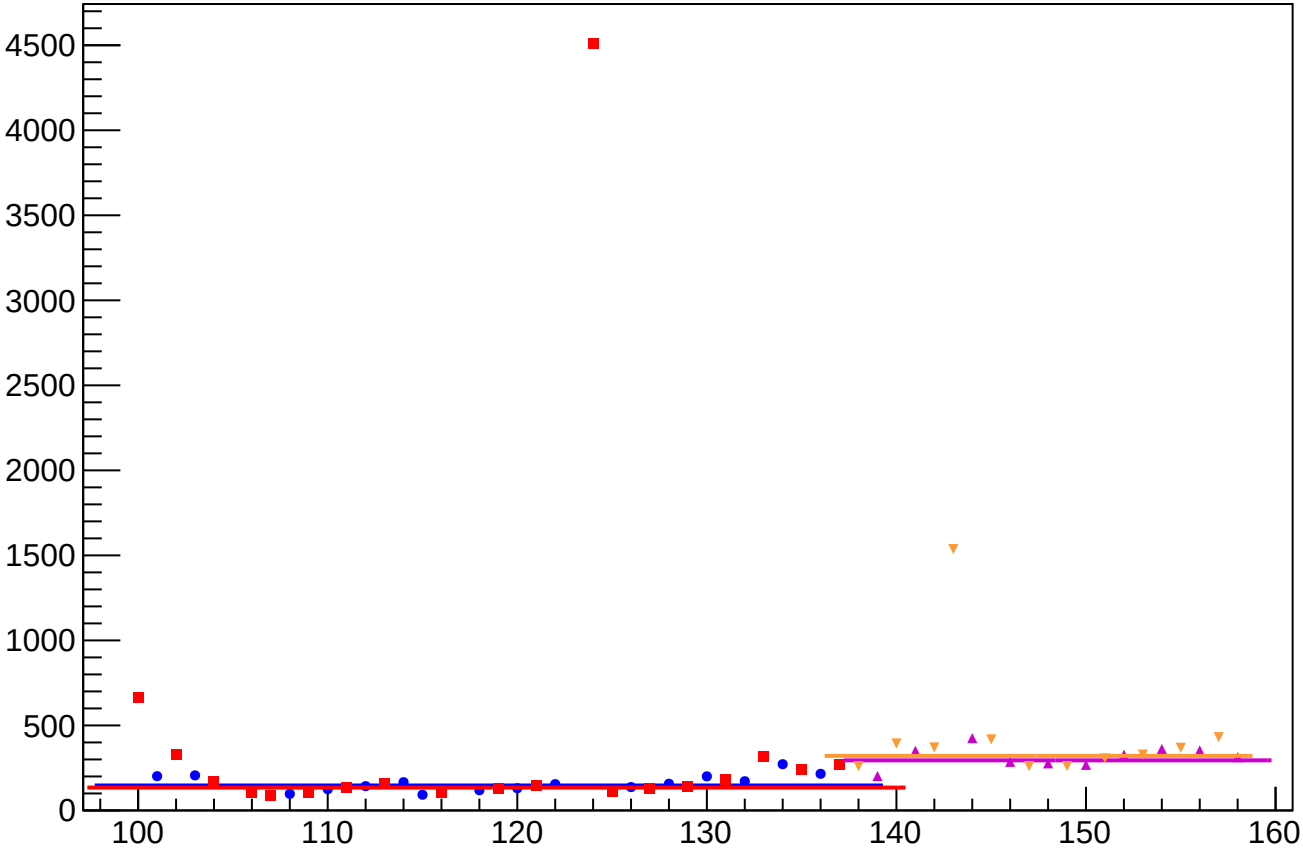
Left In: -0.064+/-0.103 χ^2/NDF:13.4/9

+ sign 0.009+/-0.052 χ^2/NDF: 25.3/26

All: 0.013+/-0.035 χ^2/NDF: 59.6/55

- sign 0.016+/-0.048 χ^2/NDF: 34.2/28

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 320.937+/-0.081 χ^2/NDF:1571537.4/10

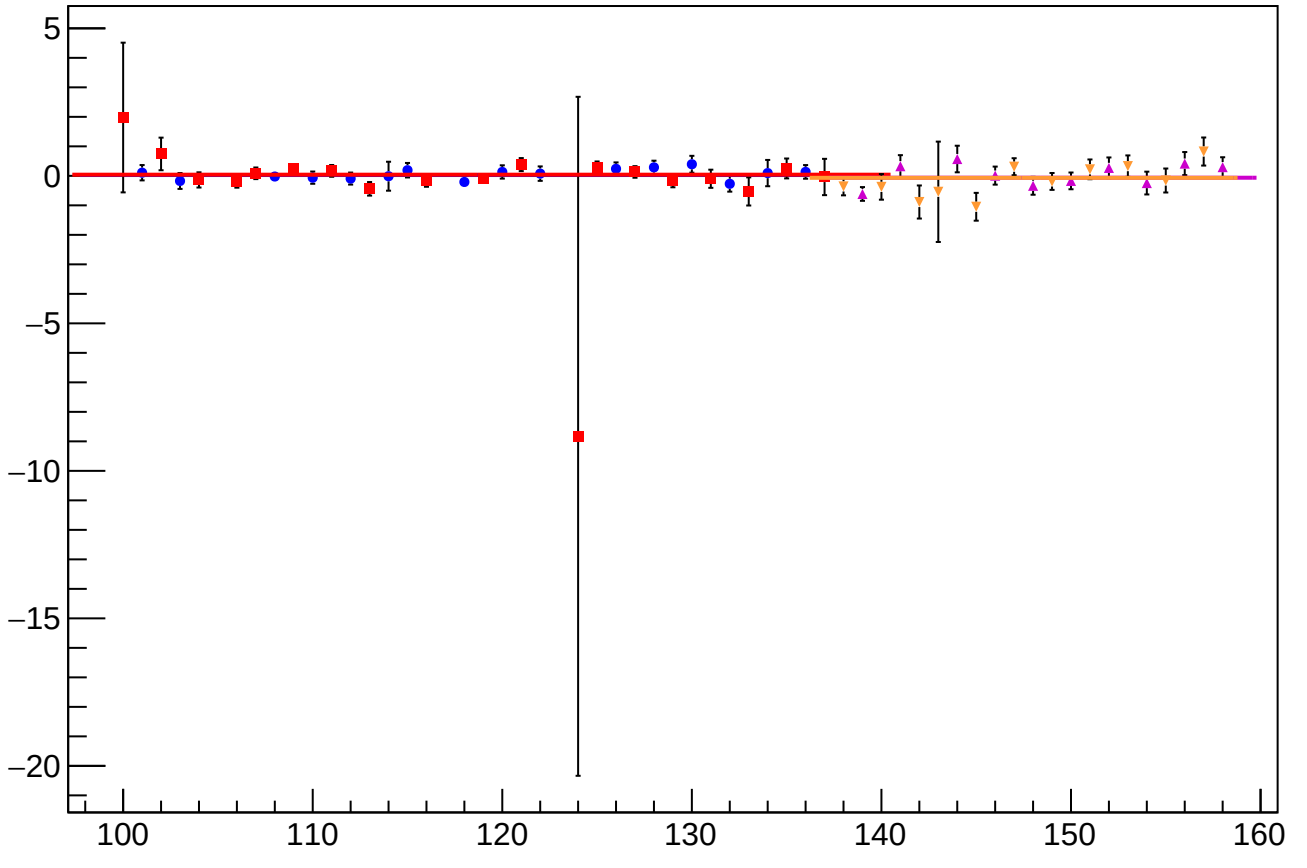
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 294.671+/-0.073 χ^2/NDF:683079.9/9

+ sign 181.813+/-0.036 χ^2/NDF: 6229013.9/26

All: 175.489+/-0.025 χ^2/NDF: 12356979.2/55

- sign 169.933+/-0.034 χ^2/NDF: 6071476.9/28



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.067+/-0.115 χ^2/NDF:15.4/10

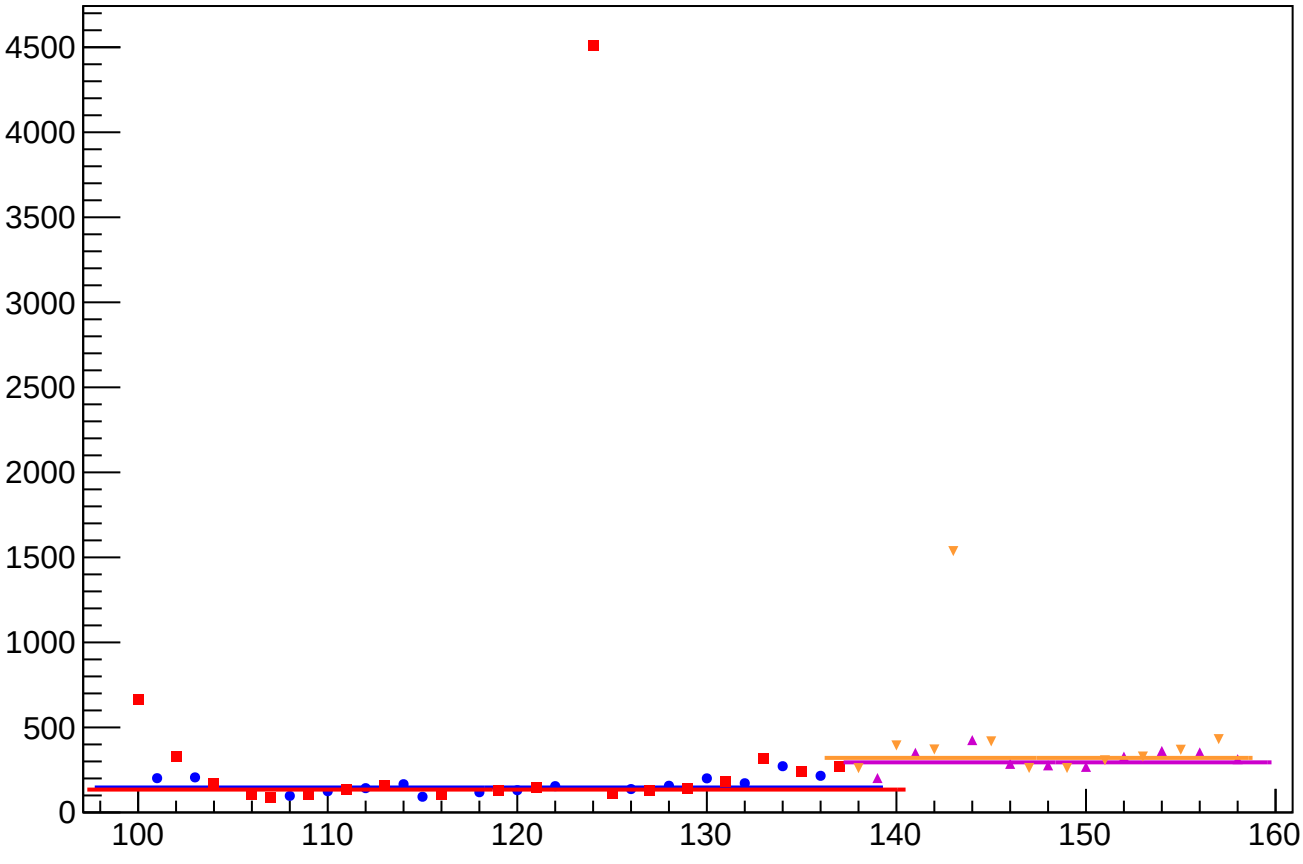
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.064+/-0.103 χ^2/NDF:13.4/9

+ sign 0.009+/-0.052 χ^2/NDF: 25.3/26

All: 0.013+/-0.035 χ^2/NDF: 59.6/55

- sign 0.016+/-0.048 χ^2/NDF: 34.2/28



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 320.937+/-0.081 χ^2/NDF:1571537.4/10

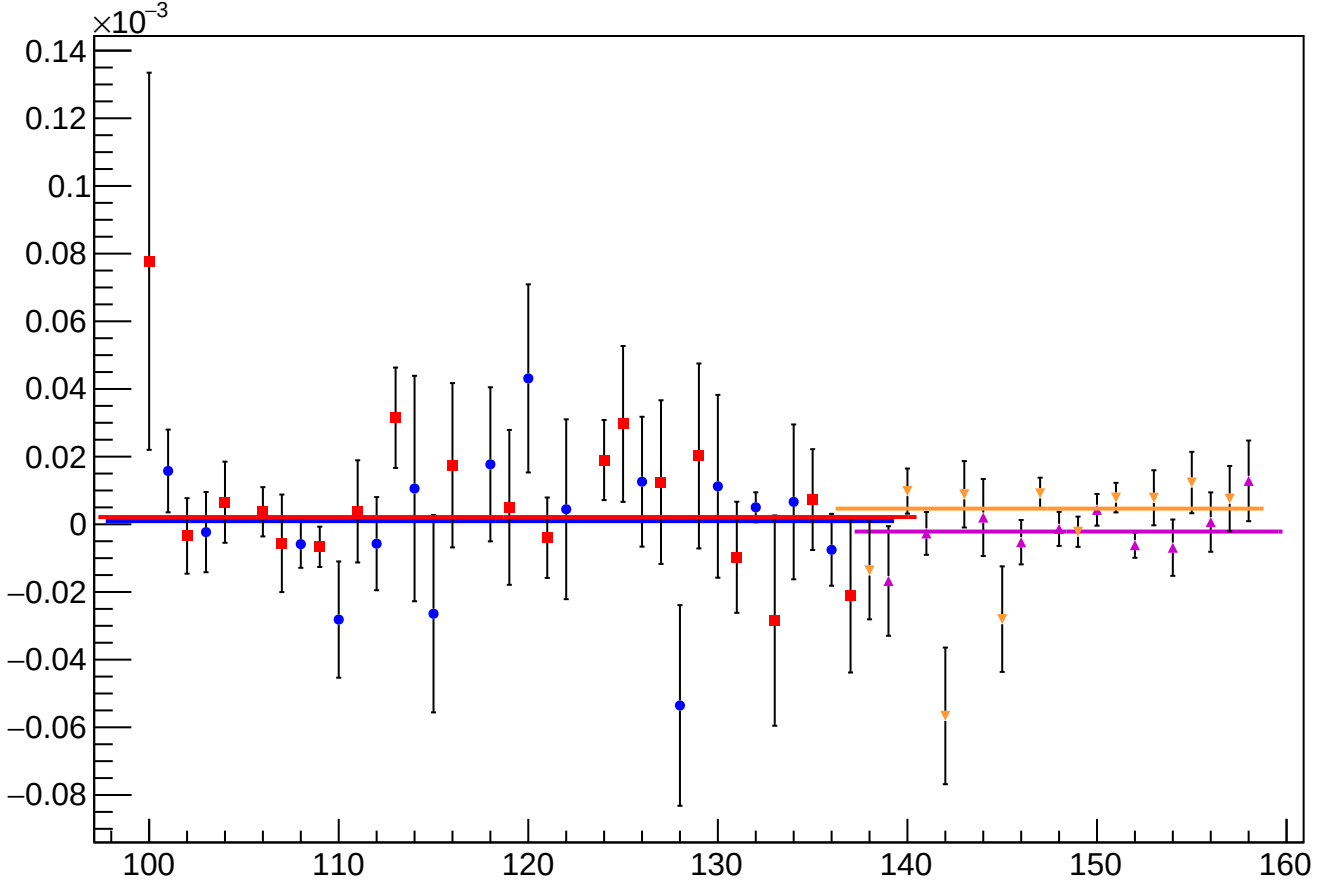
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 294.671+/-0.073 χ^2/NDF:683079.9/9

+ sign 181.813+/-0.036 χ^2/NDF: 6229013.9/26

All: 175.489+/-0.025 χ^2/NDF: 12356979.2/55

- sign 169.933+/-0.034 χ^2/NDF: 6071476.9/28



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.8/10

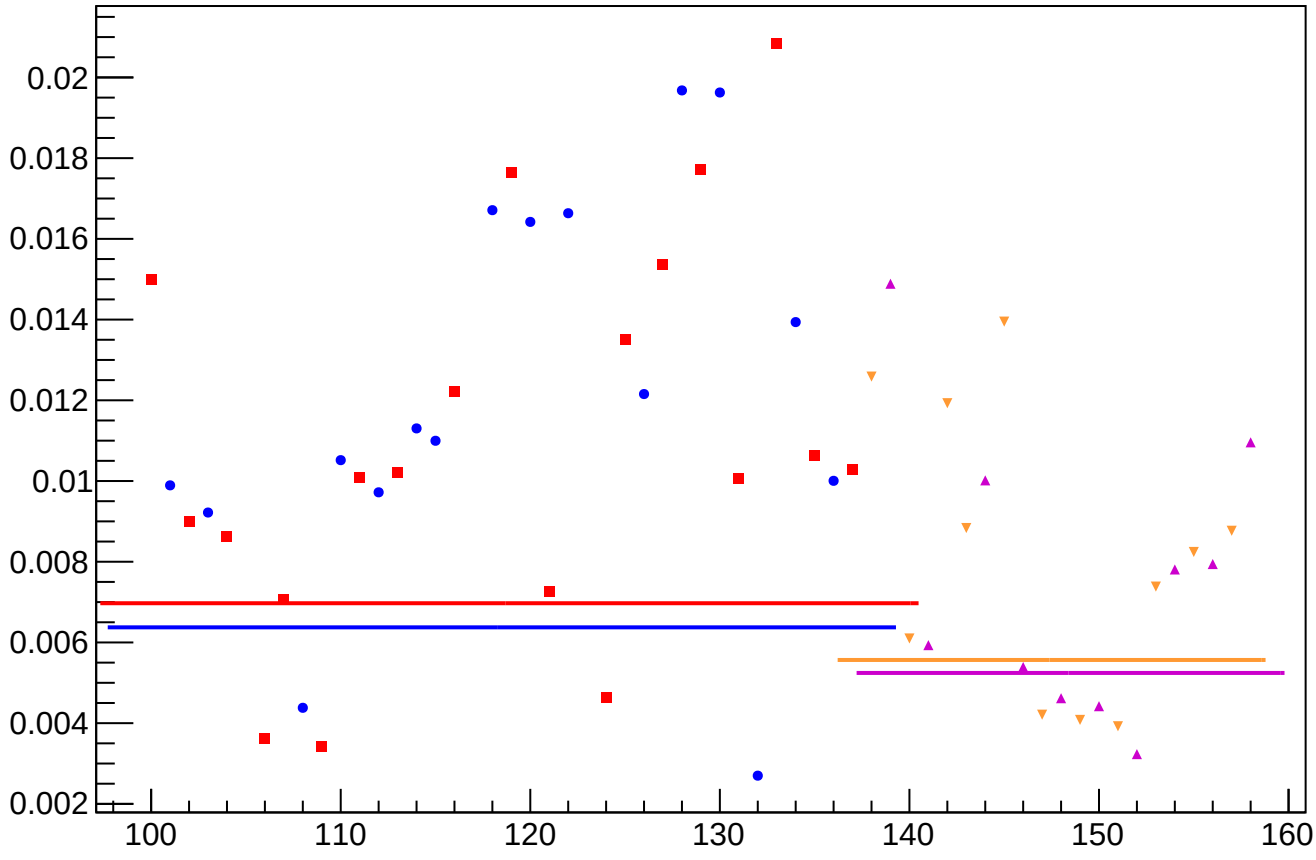
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:6.3/9

+ sign 0.000+/-0.000 χ^2/NDF: 36.7/26

All: 0.000+/-0.000 χ^2/NDF: 63.6/55

- sign -0.000+/-0.000 χ^2/NDF: 23.7/28



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:2653767.7/10

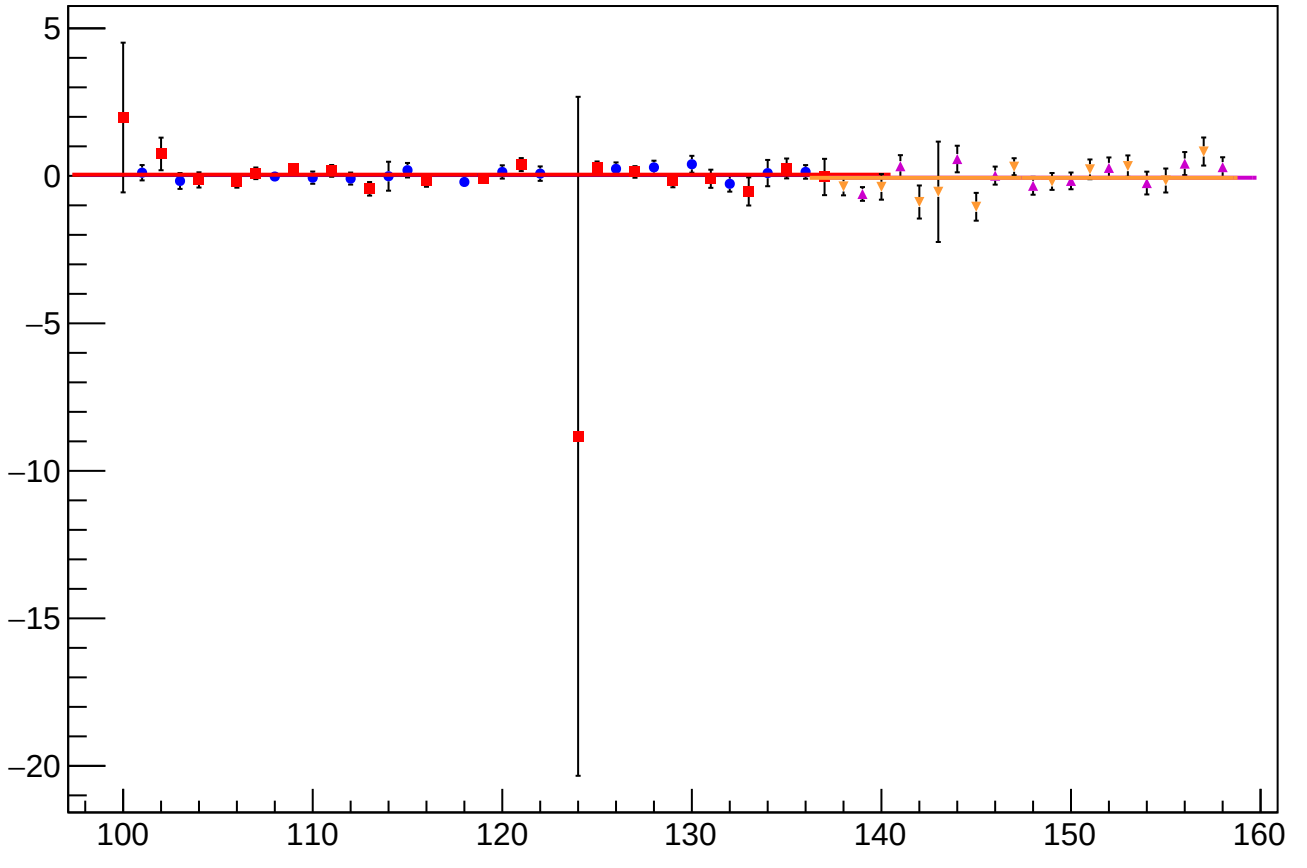
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:2597872.0/9

+ sign 0.006+/-0.000 χ^2/NDF: 7394924.7/26

All: 0.006+/-0.000 χ^2/NDF: 13860907.8/55

- sign 0.006+/-0.000 χ^2/NDF: 6464444.3/28



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.067+/-0.115 χ^2/NDF:15.4/10

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

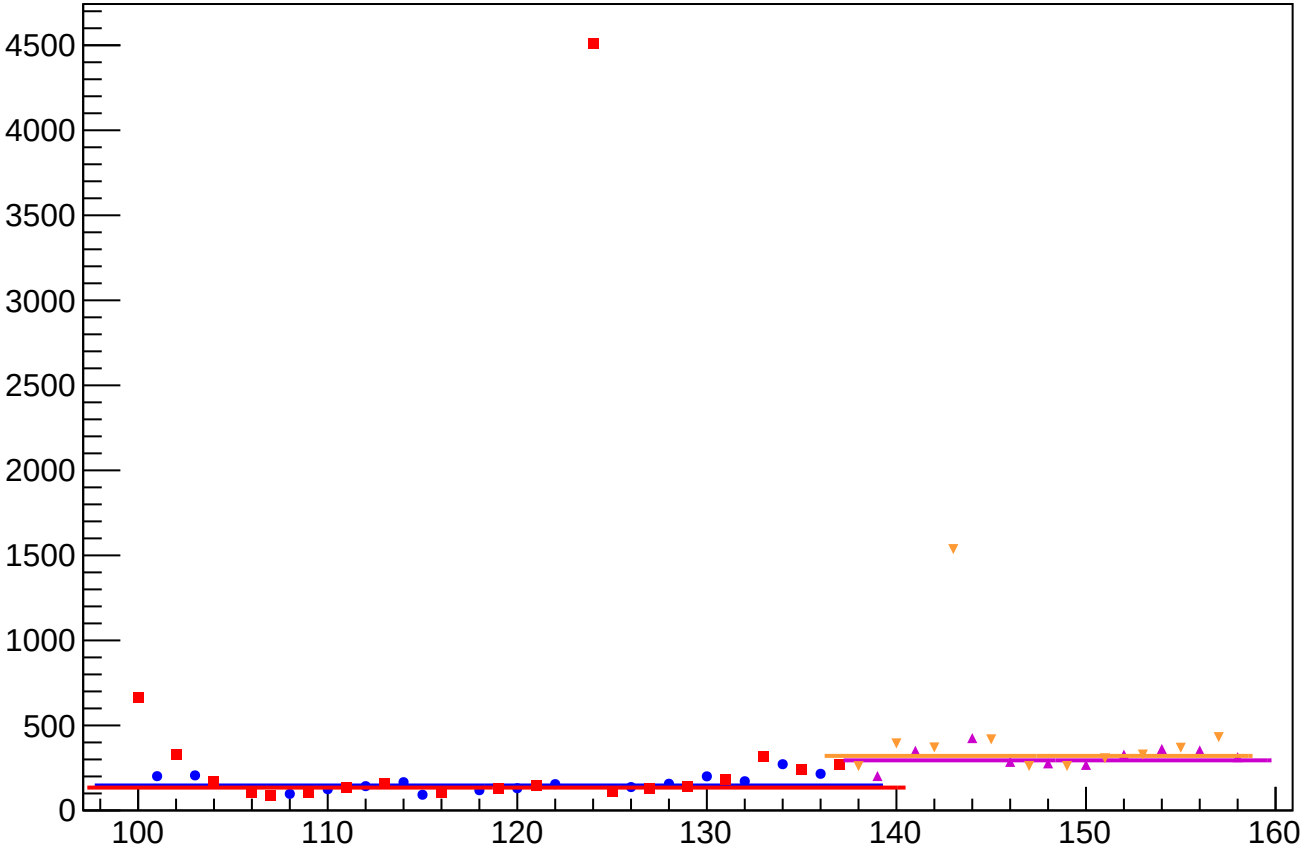
Left In: -0.064+/-0.103 χ^2/NDF:13.4/9

+ sign 0.009+/-0.052 χ^2/NDF: 25.3/26

All: 0.013+/-0.035 χ^2/NDF: 59.6/55

- sign 0.016+/-0.048 χ^2/NDF: 34.2/28

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 320.940+/-0.081 χ^2/NDF:1571541.1/10

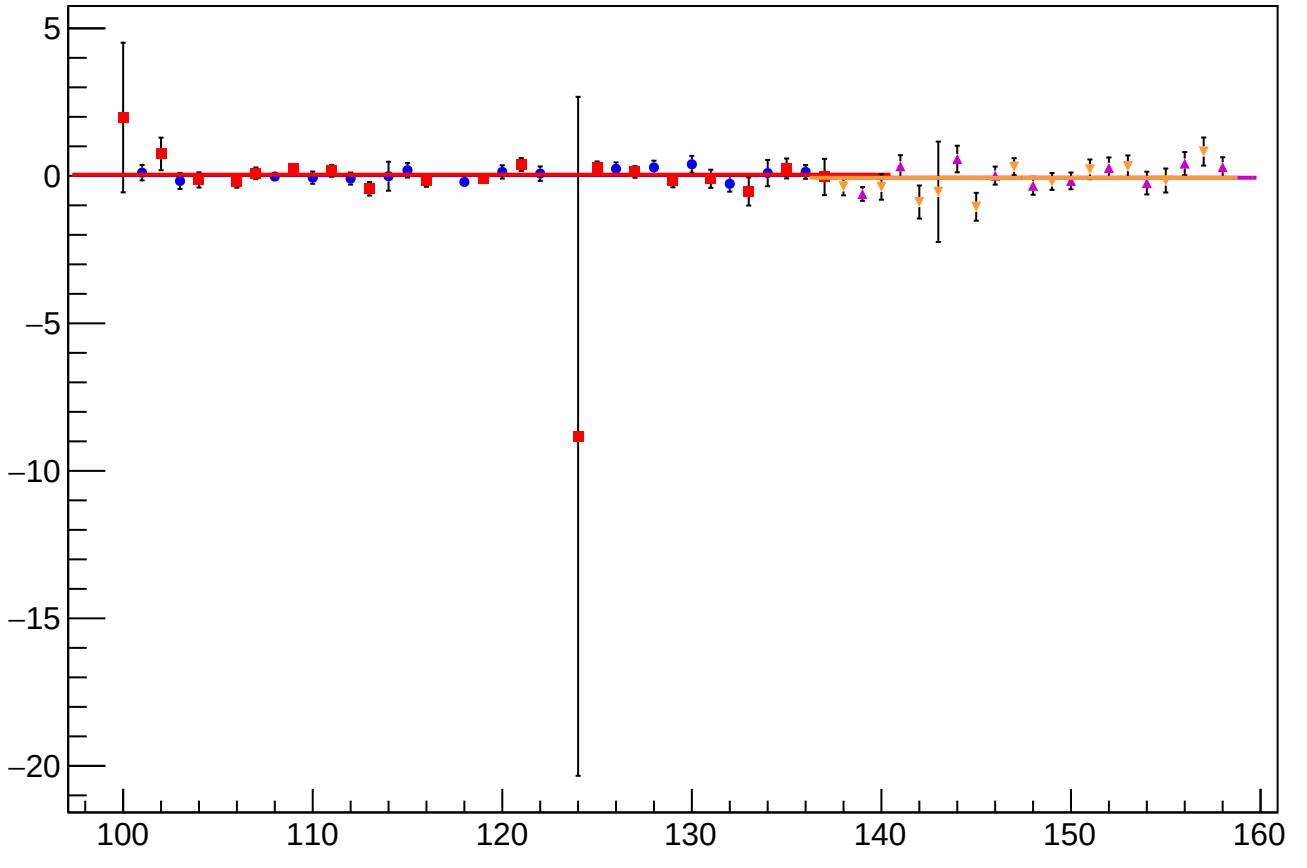
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 294.676+/-0.073 χ^2/NDF:683060.5/9

+ sign 181.813+/-0.036 χ^2/NDF: 6229048.6/26

All: 175.489+/-0.025 χ^2/NDF: 12356950.2/55

- sign 169.934+/-0.034 χ^2/NDF: 6071428.7/28



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.067+/-0.115 χ^2/NDF:15.4/10

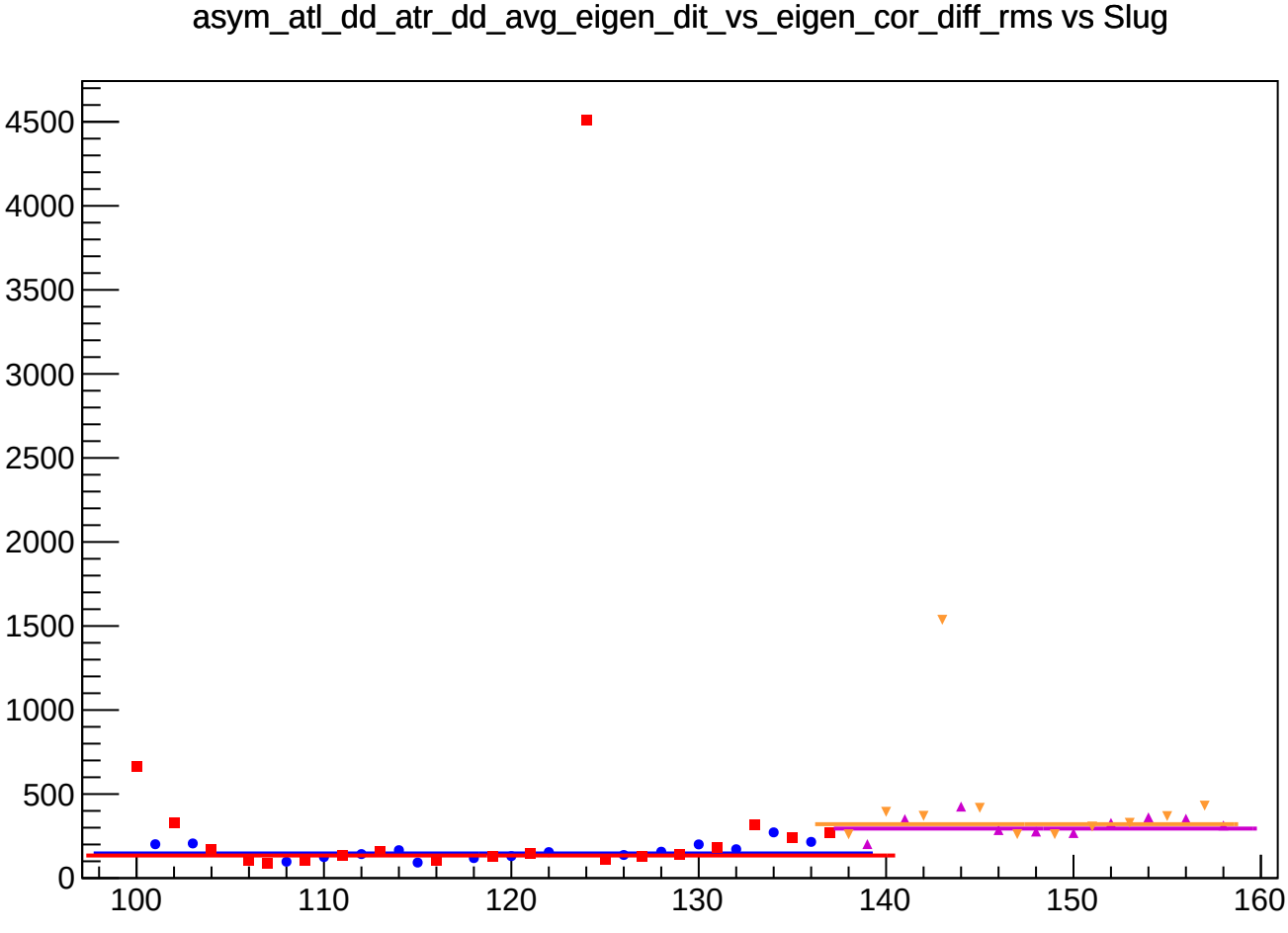
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.064+/-0.103 χ^2/NDF:13.4/9

+ sign 0.009+/-0.052 χ^2/NDF: 25.3/26

All: 0.013+/-0.035 χ^2/NDF: 59.6/55

- sign 0.016+/-0.048 χ^2/NDF: 34.2/28



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 320.940+/-0.081 χ^2/NDF:1571541.1/10

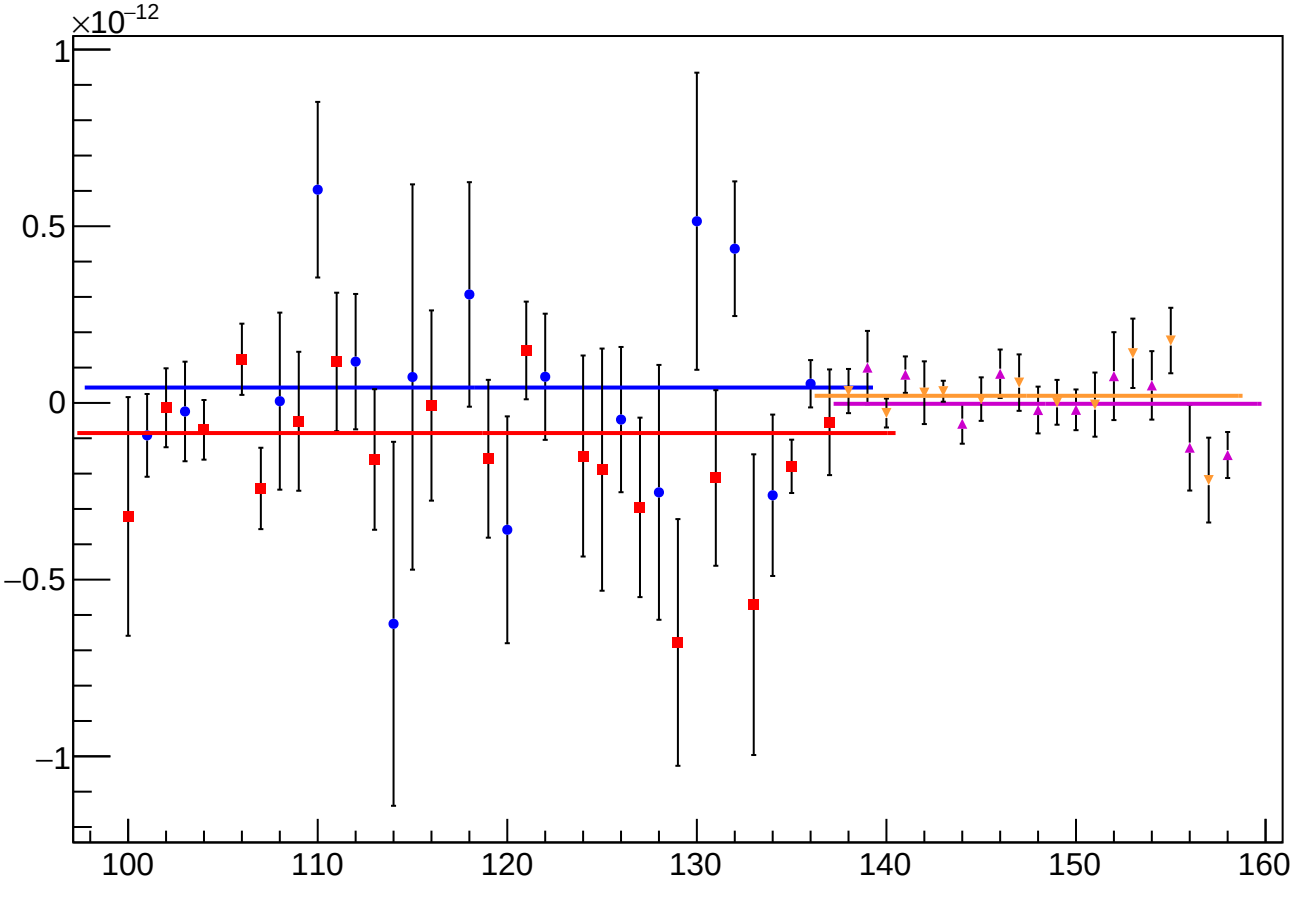
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 294.676+/-0.073 χ^2/NDF:683060.5/9

+ sign 181.813+/-0.036 χ^2/NDF: 6229048.6/26

All: 175.489+/-0.025 χ^2/NDF: 12356950.2/55

- sign 169.934+/-0.034 χ^2/NDF: 6071428.7/28



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.4/10

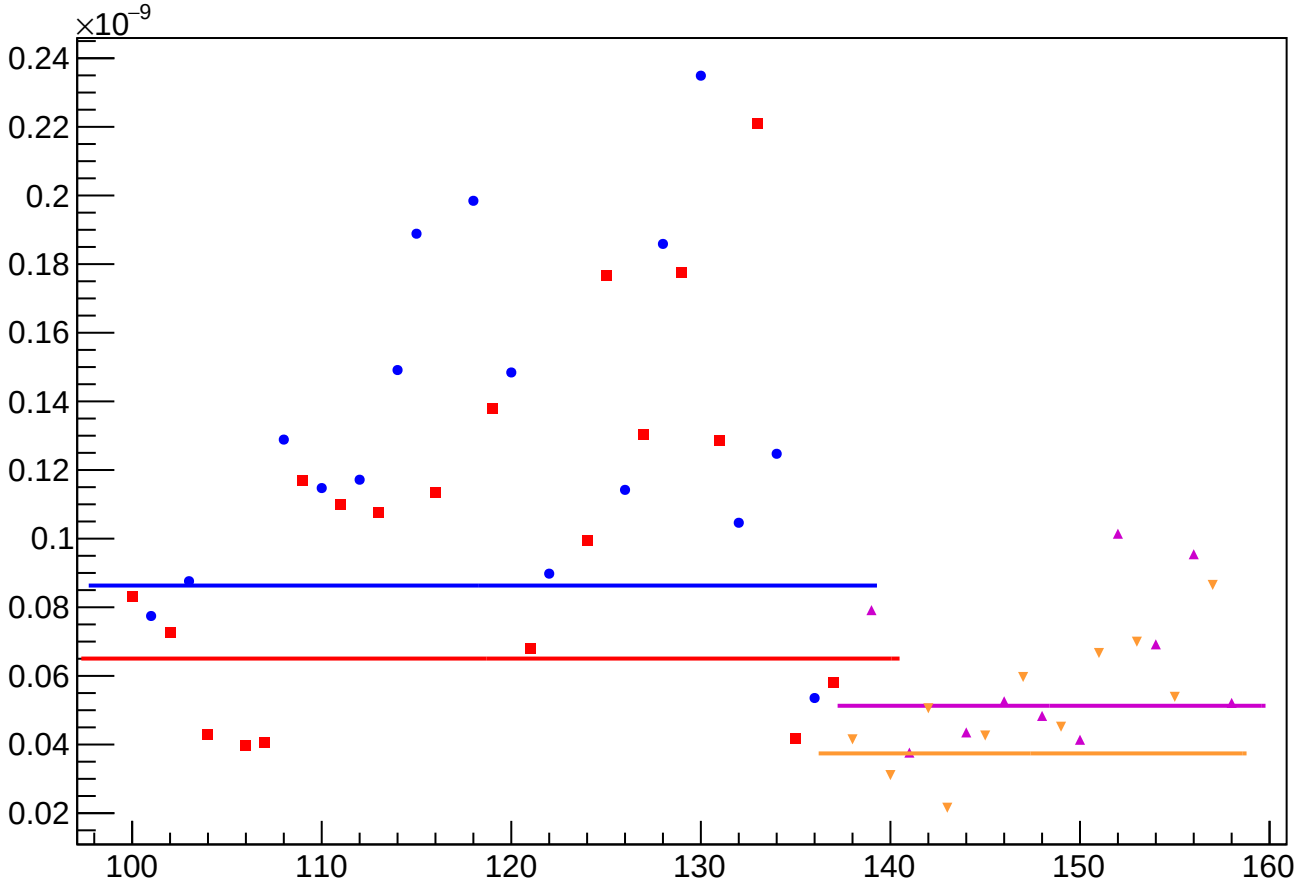
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:12.9/9

+ sign 0.000+/-0.000 χ^2/NDF: 29.6/26

All: 0.000+/-0.000 χ^2/NDF: 69.0/55

- sign -0.000+/-0.000 χ^2/NDF: 35.2/28



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1696147.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

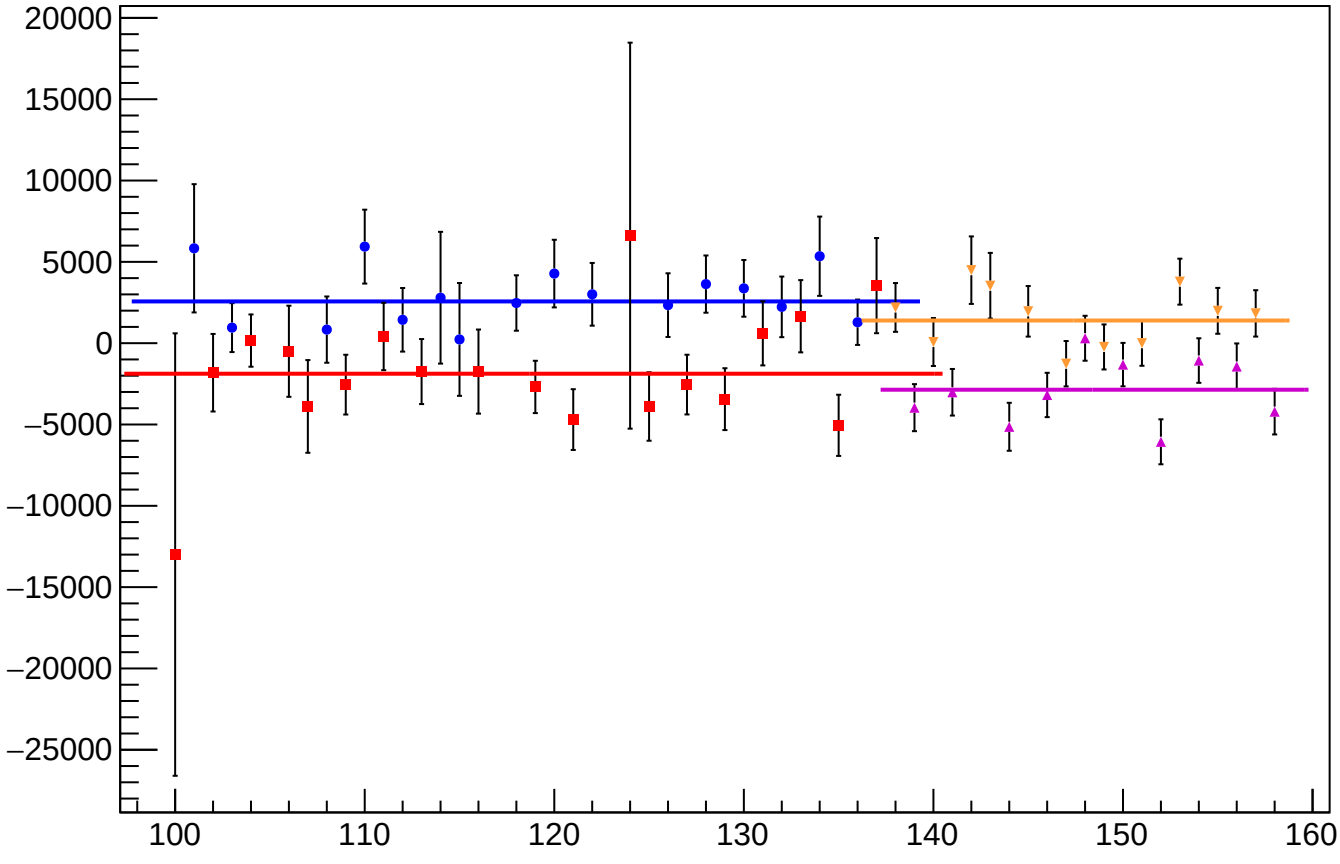
Left In: 0.000+/-0.000 χ^2/NDF:1044016.6/9

\+ sign 0.000+/-0.000 χ^2/NDF: 5499242.8/26

All: 0.000+/-0.000 χ^2/NDF: 9309610.2/55

\- sign 0.000+/-0.000 χ^2/NDF: 3429254.1/28

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1394.469+/-454.377 χ^2/NDF:13.7/10

Right Out: -1878.030+/-494.719 χ^2/NDF: 19.5/18

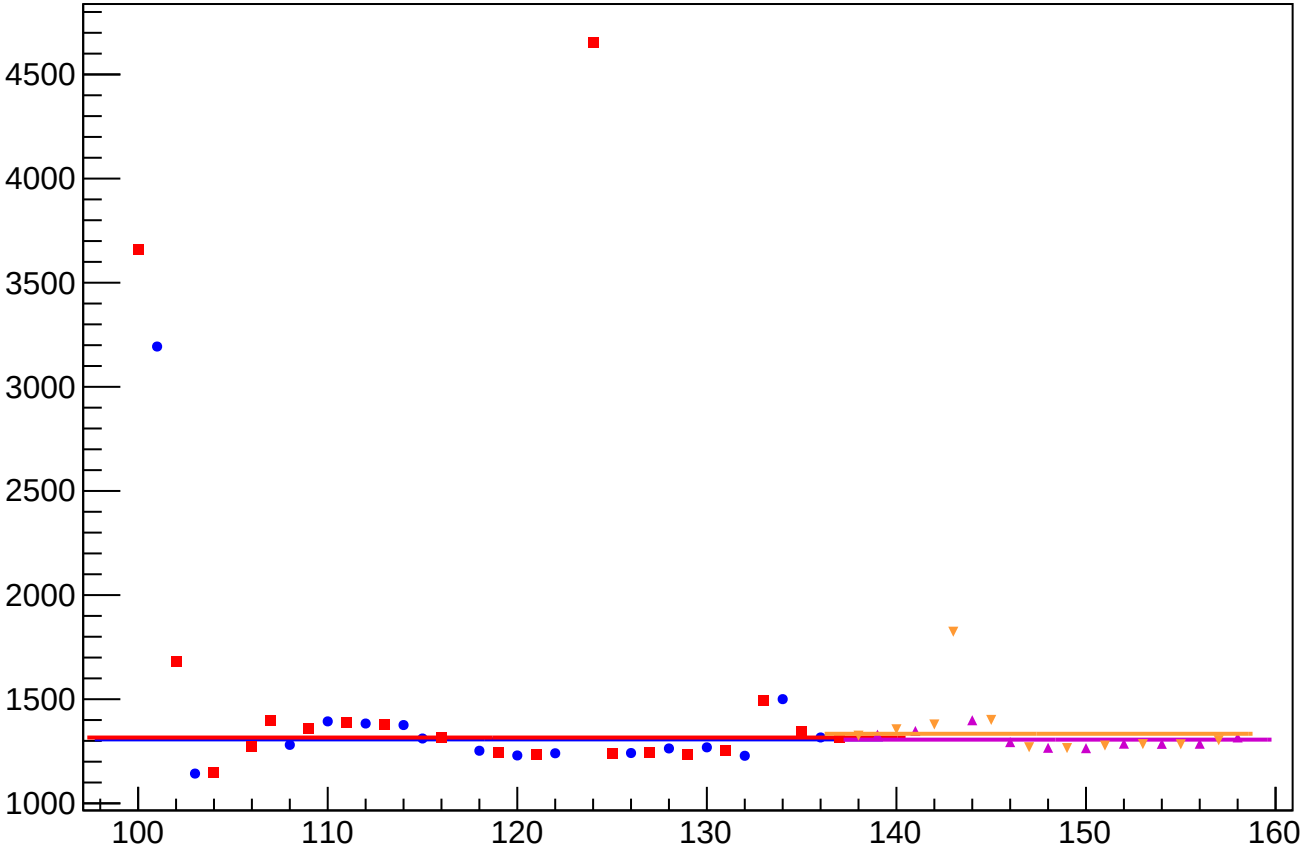
Left In: -2861.562+/-442.330 χ^2/NDF:18.6/9

+ sign 1930.436+/-334.847 χ^2/NDF: 25.8/26

All: -280.510+/-234.948 χ^2/NDF: 152.1/55

- sign -2424.613+/-329.746 χ^2/NDF: 40.4/28

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1333.994+/-0.321 χ^2/NDF:141436.9/10

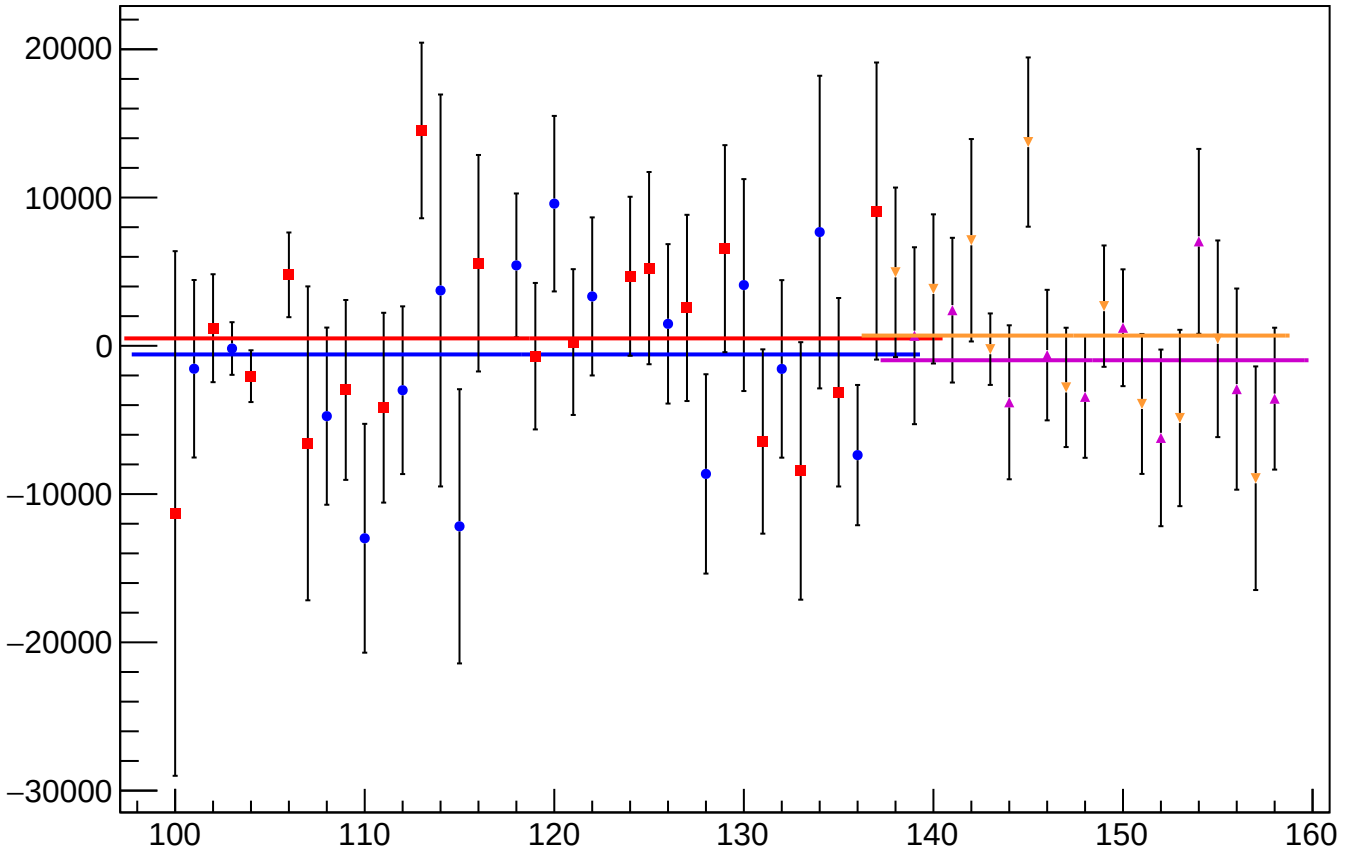
Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1305.869+/-0.313 χ^2/NDF:15166.0/9

+ sign 1321.691+/-0.237 χ^2/NDF: 660895.1/26

All: 1315.943+/-0.166 χ^2/NDF: 1004107.8/55

- sign 1310.383+/-0.233 χ^2/NDF: 342053.4/28



Right In: -581.790+/-1192.862 χ^2/NDF: 14.7/15

Left Out: 690.064+/-1374.477 χ^2/NDF:11.7/10

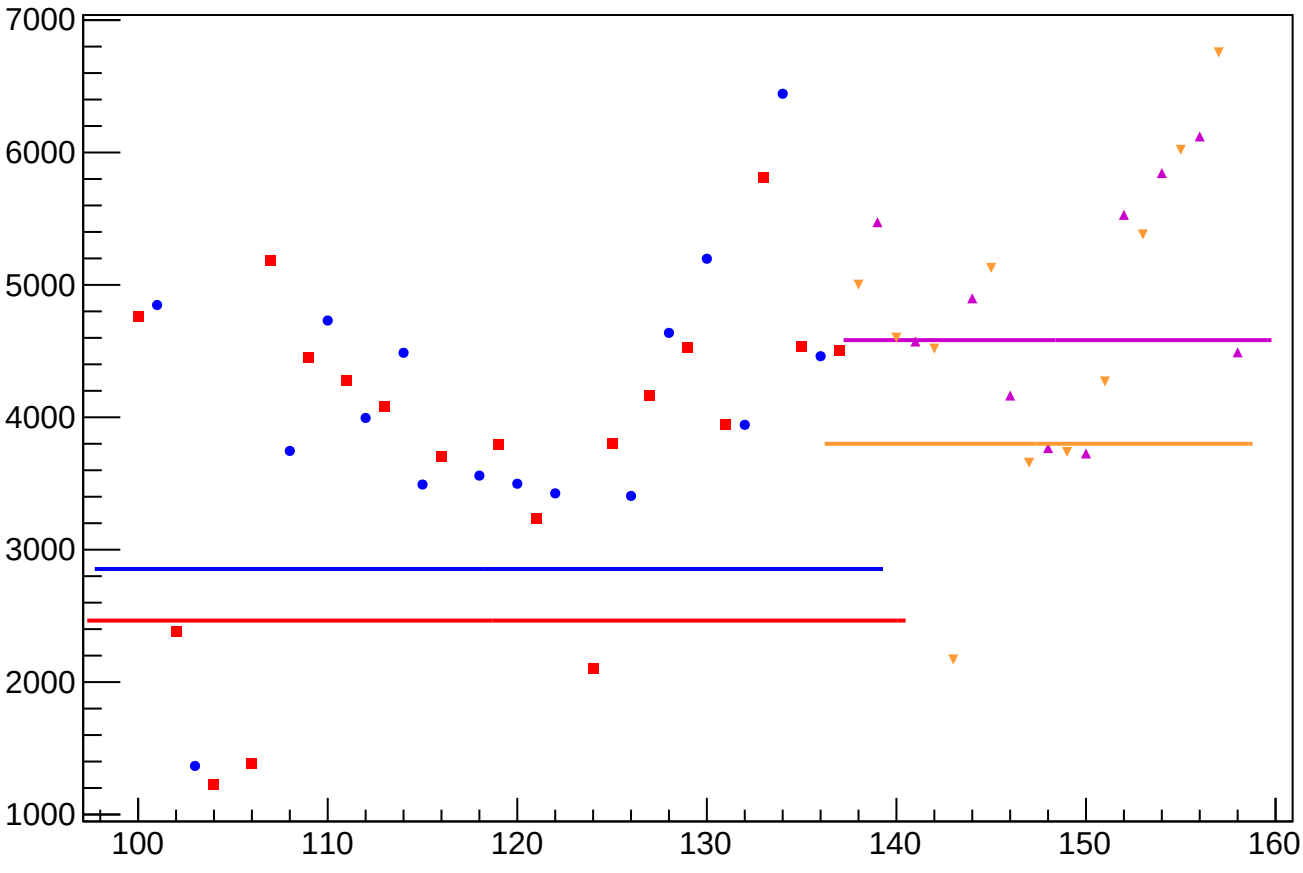
Right Out: 500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: -974.303+/-1577.965 χ^2/NDF:4.3/9

+ sign -35.387+/-900.898 χ^2/NDF: 26.9/26

All: 5.552+/-628.517 χ^2/NDF: 49.5/55

- sign 44.373+/-877.286 χ^2/NDF: 22.6/28



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 3800.045+/-0.972 χ^2/NDF:1879154.2/10

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

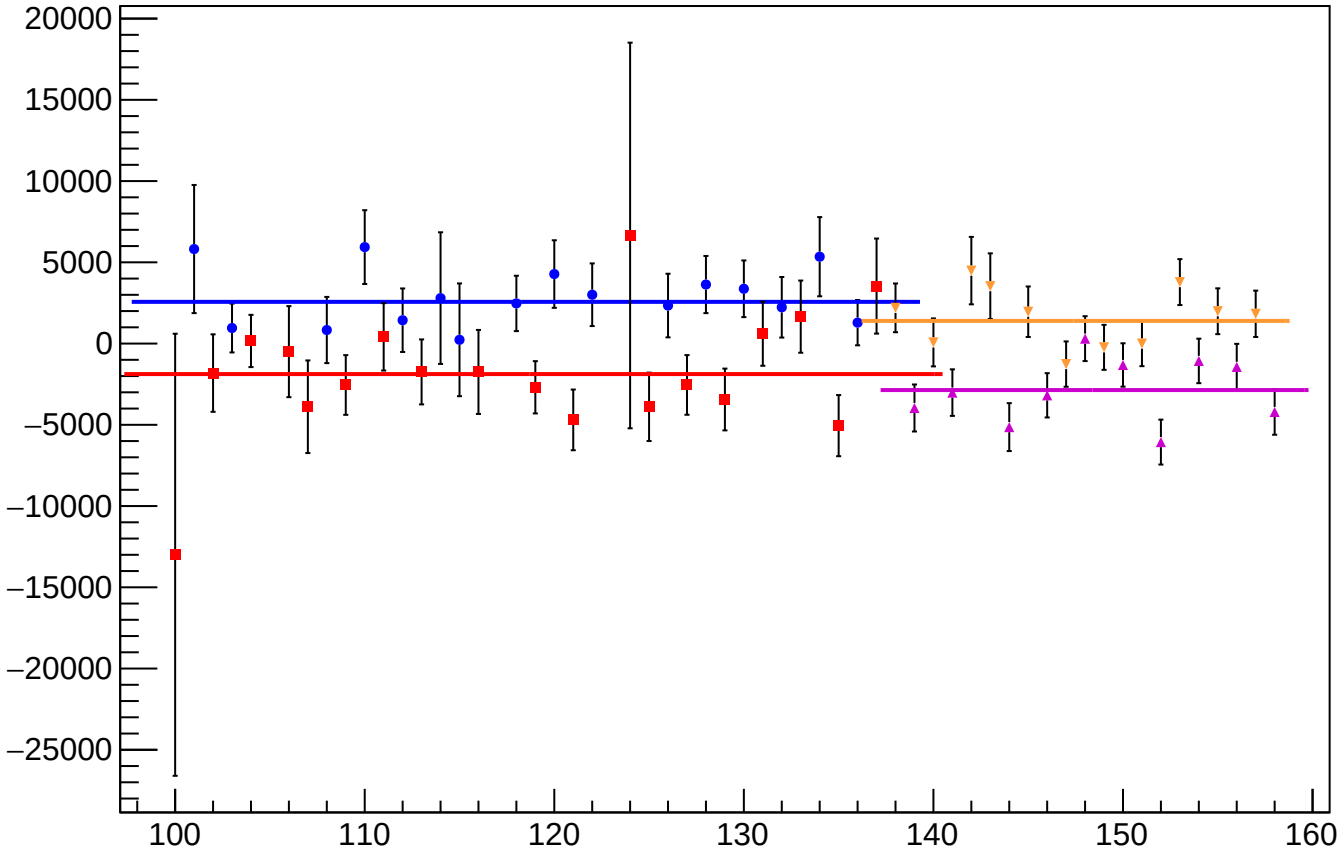
Left In: 4582.832+/-1.116 χ^2/NDF:479010.2/9

+ sign 3260.603+/-0.637 χ^2/NDF: 5324076.1/26

All: 3188.088+/-0.444 χ^2/NDF: 11674315.2/5

- sign 3119.324+/-0.620 χ^2/NDF: 6324993.5/28

cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1394.431+/-454.377 χ^2/NDF:13.7/10

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

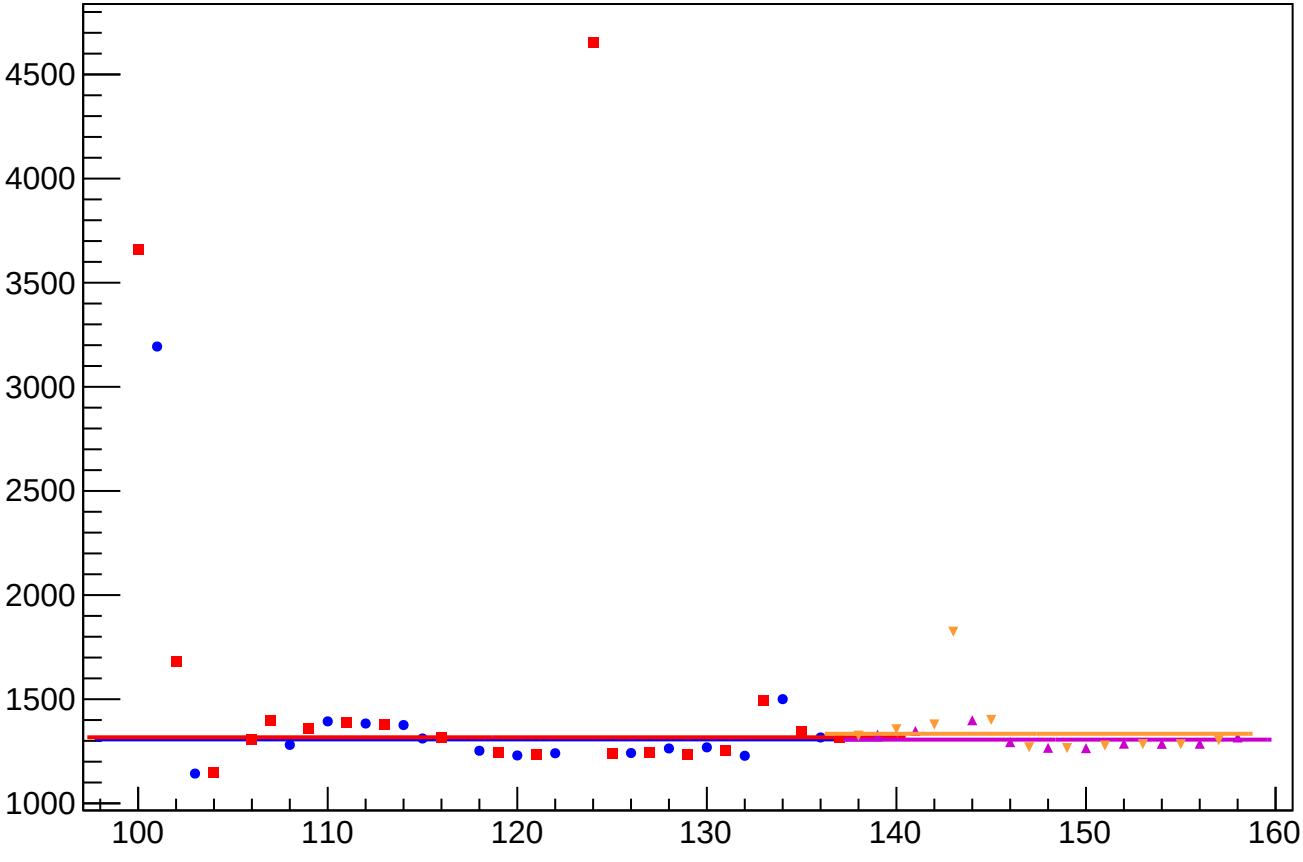
Left In: -2861.700+/-442.330 χ^2/NDF:18.6/9

+ sign 1930.288+/-334.847 χ^2/NDF: 25.8/26

All: -280.565+/-234.948 χ^2/NDF: 152.1/55

- sign -2424.576+/-329.746 χ^2/NDF: 40.4/28

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1333.994+/-0.321 χ^2/NDF:141436.9/10

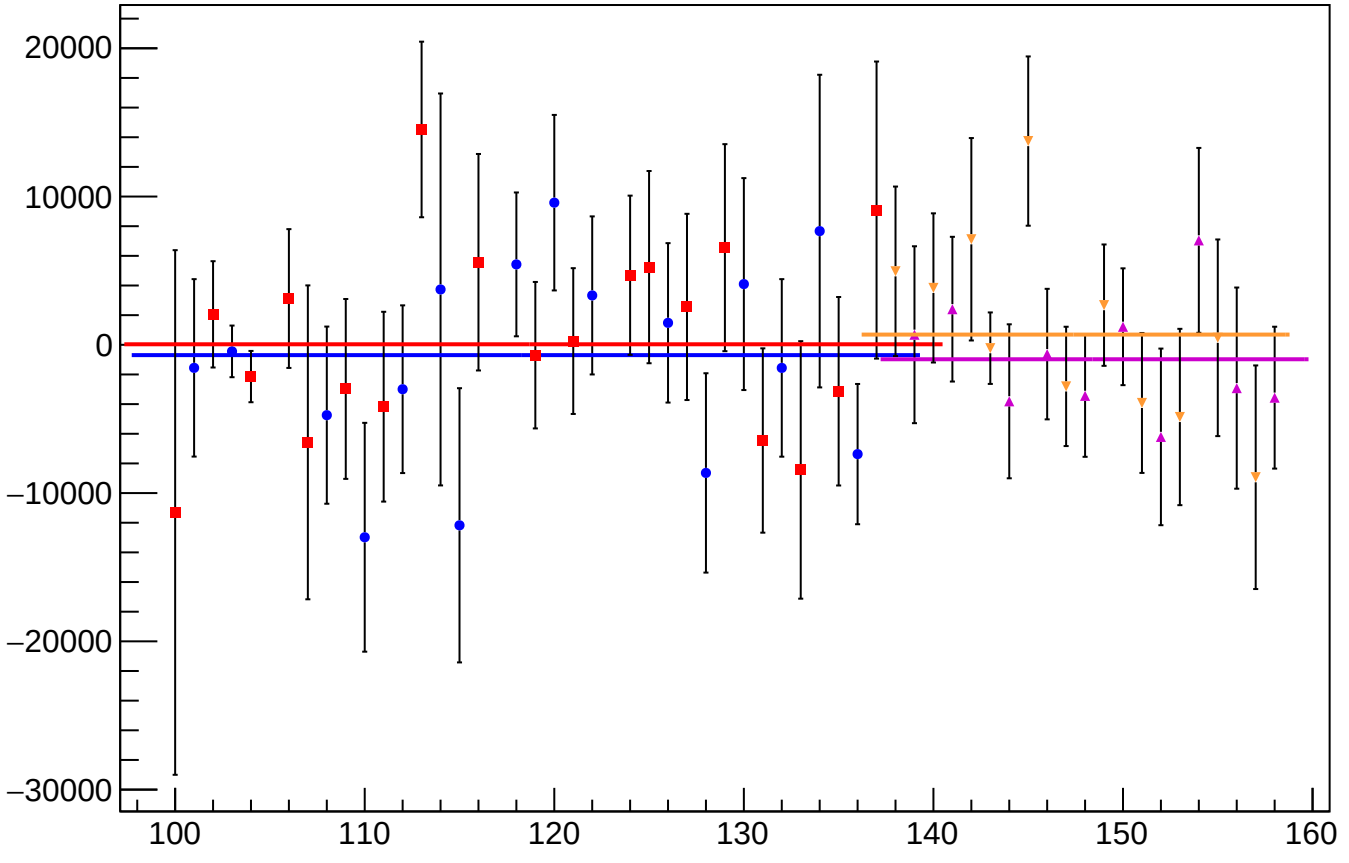
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1305.869+/-0.313 χ^2/NDF:15166.0/9

+ sign 1321.691+/-0.237 χ^2/NDF: 660896.6/26

All: 1316.199+/-0.166 χ^2/NDF: 1003625.3/55

- sign 1310.881+/-0.233 χ^2/NDF: 341669.7/28



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: 690.011+/-1374.471 χ^2/NDF:11.7/10

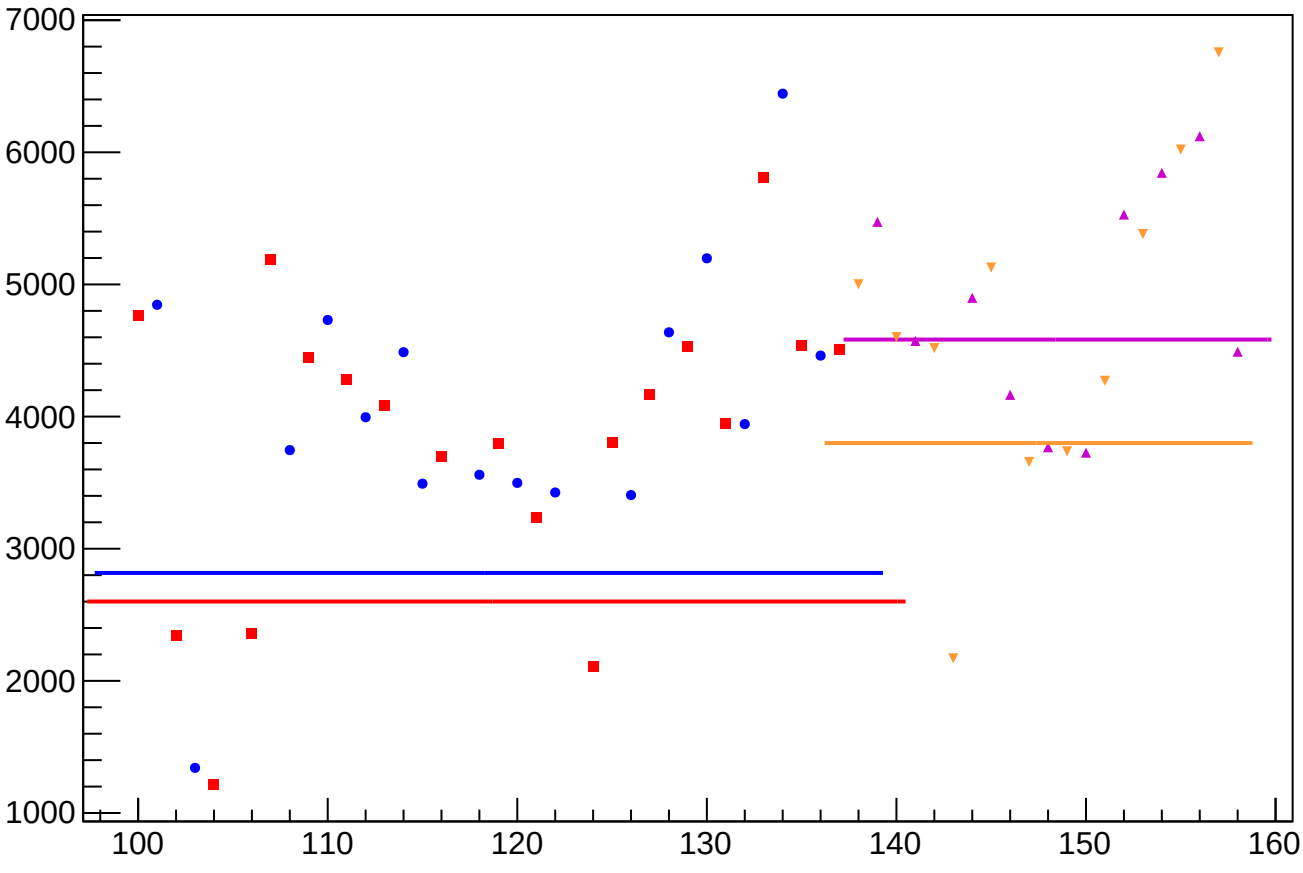
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -974.395+/-1577.964 χ^2/NDF:4.3/9

+ sign -106.077+/-896.378 χ^2/NDF: 26.9/26

All: -199.329+/-635.600 χ^2/NDF: 47.5/55

- sign -293.627+/-901.392 χ^2/NDF: 20.5/28



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 3800.020+/-0.972 χ^2/NDF:1879211.4/10

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

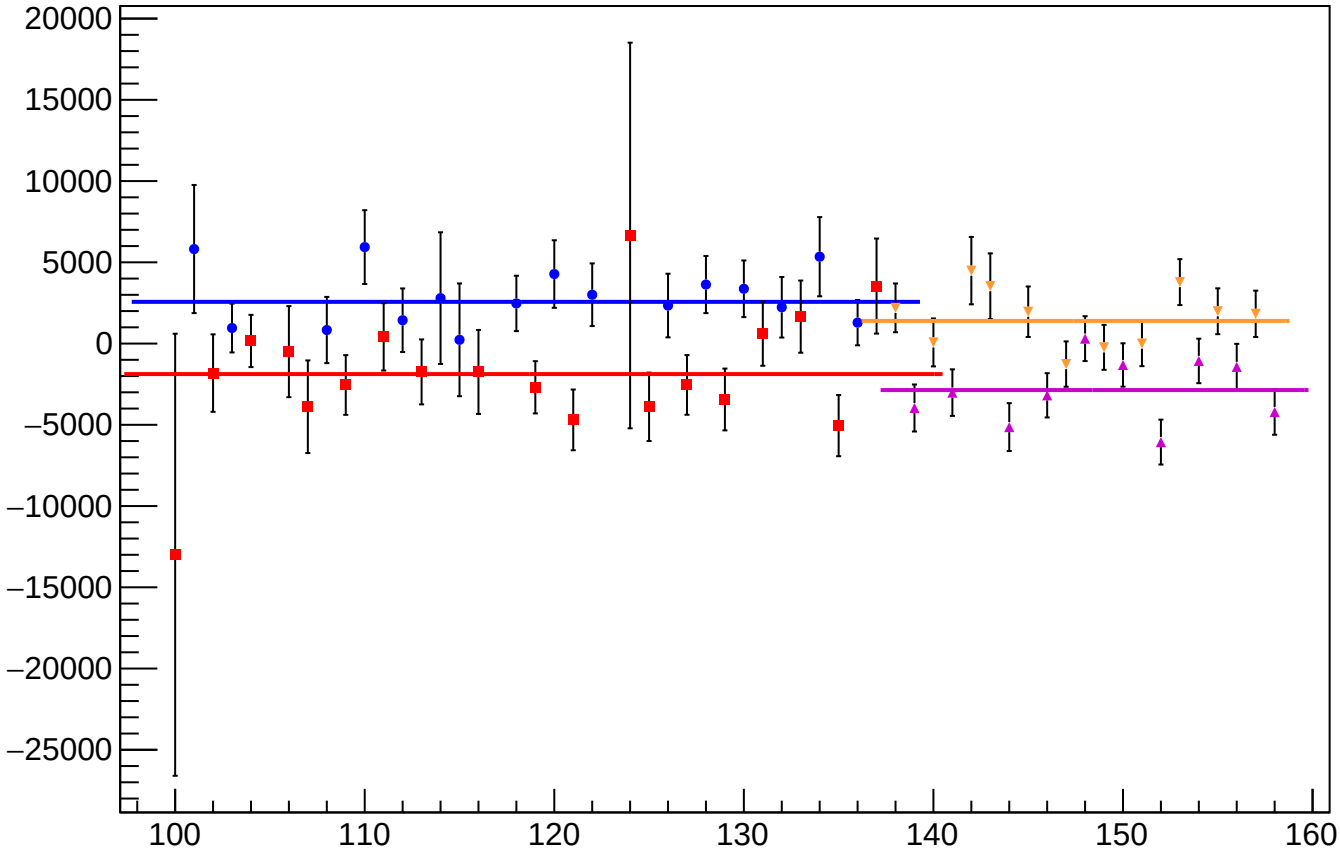
Left In: 4582.830+/-1.116 χ^2/NDF:479013.5/9

+ sign 3234.969+/-0.634 χ^2/NDF: 5474952.8/26

All: 3241.137+/-0.449 χ^2/NDF: 11161284.8/5

- sign 3247.374+/-0.637 χ^2/NDF: 5686141.5/28

eigen_cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1394.431+/-454.377 χ^2/NDF:13.7/10

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

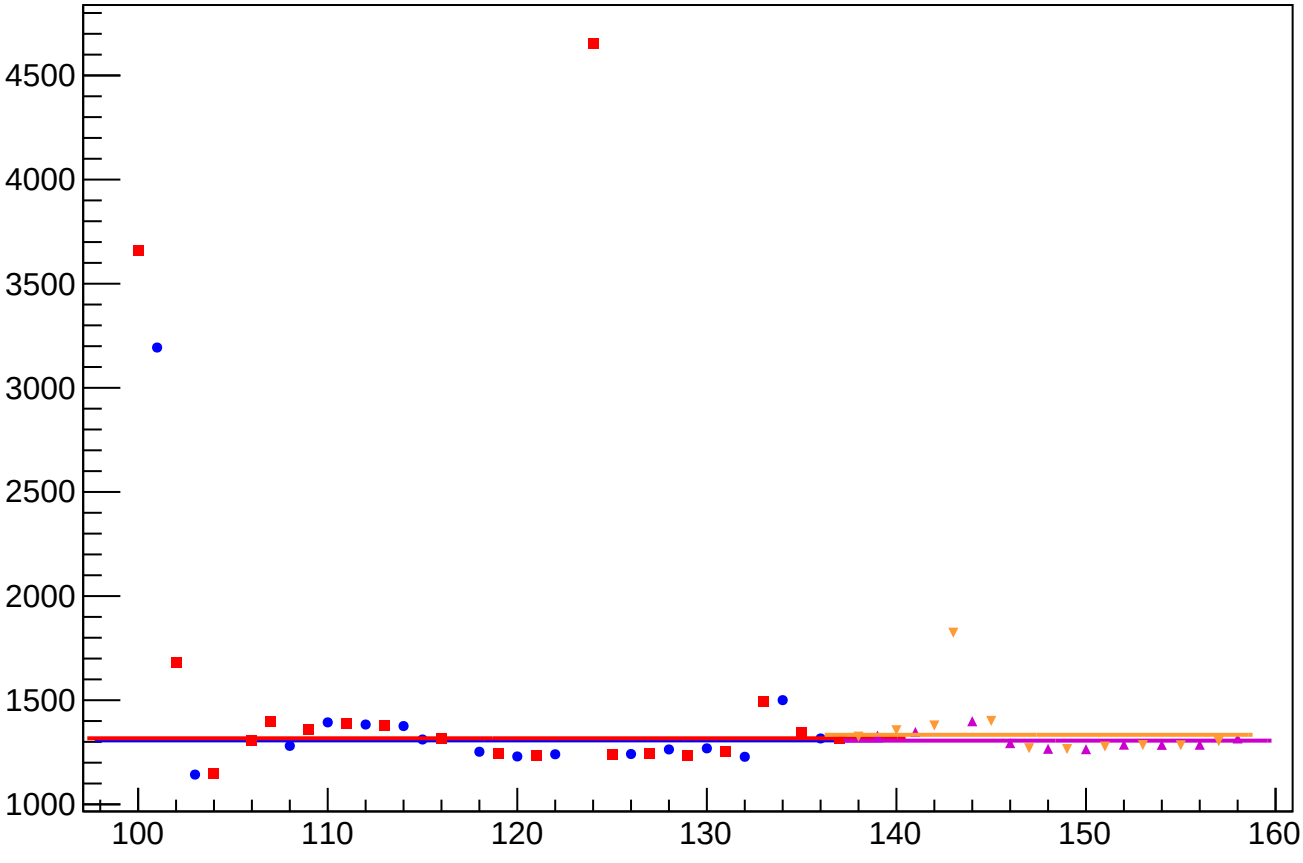
Left In: -2861.700+/-442.330 χ^2/NDF:18.6/9

+ sign 1930.288+/-334.847 χ^2/NDF: 25.8/26

All: -280.565+/-234.948 χ^2/NDF: 152.1/55

- sign -2424.576+/-329.746 χ^2/NDF: 40.4/28

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1333.994+/-0.321 χ^2/NDF:141436.9/10

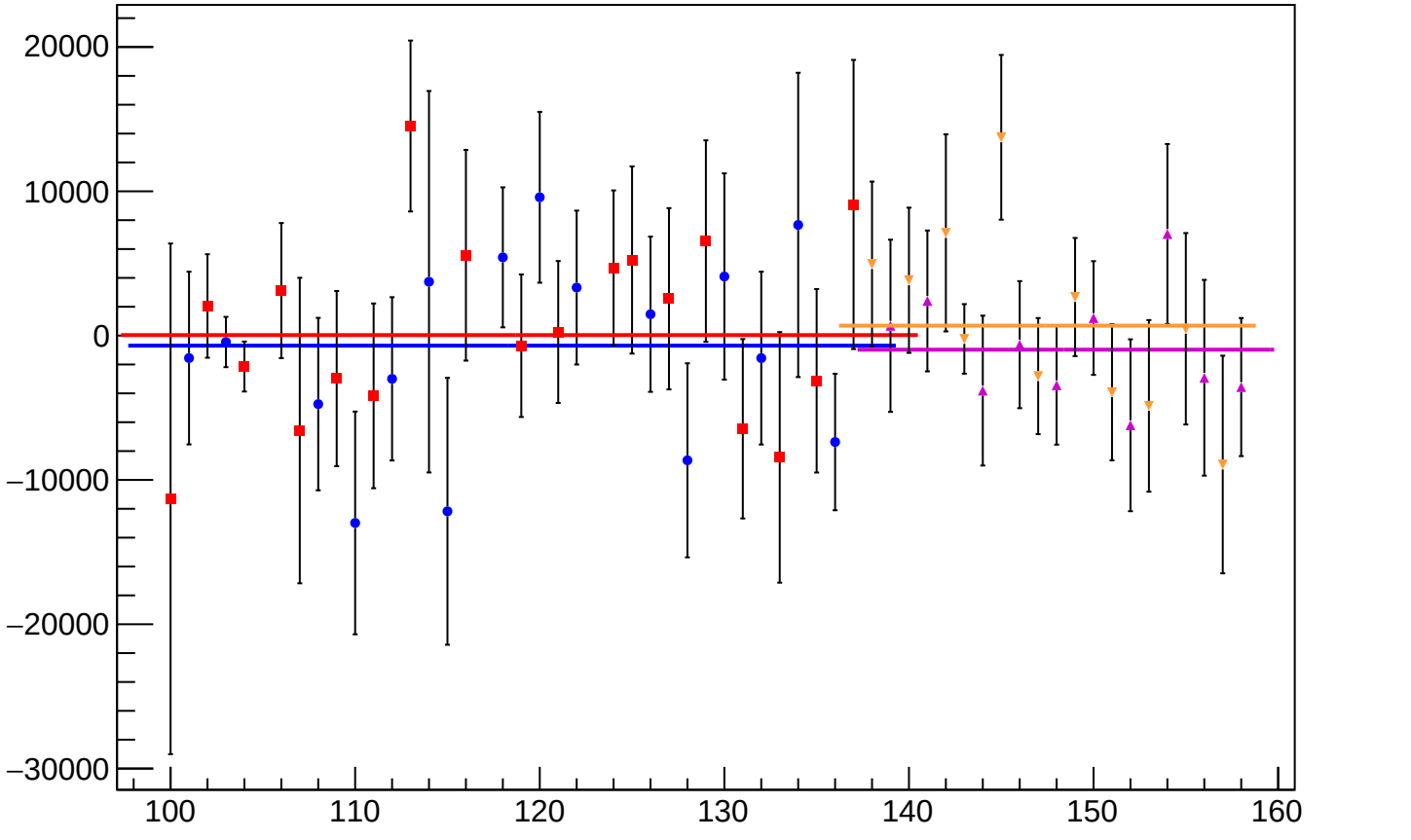
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1305.869+/-0.313 χ^2/NDF:15166.0/9

+ sign 1321.691+/-0.237 χ^2/NDF: 660896.6/26

All: 1316.199+/-0.166 χ^2/NDF: 1003625.3/55

- sign 1310.881+/-0.233 χ^2/NDF: 341669.7/28



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: 690.011+/-1374.471 χ^2/NDF:11.7/10

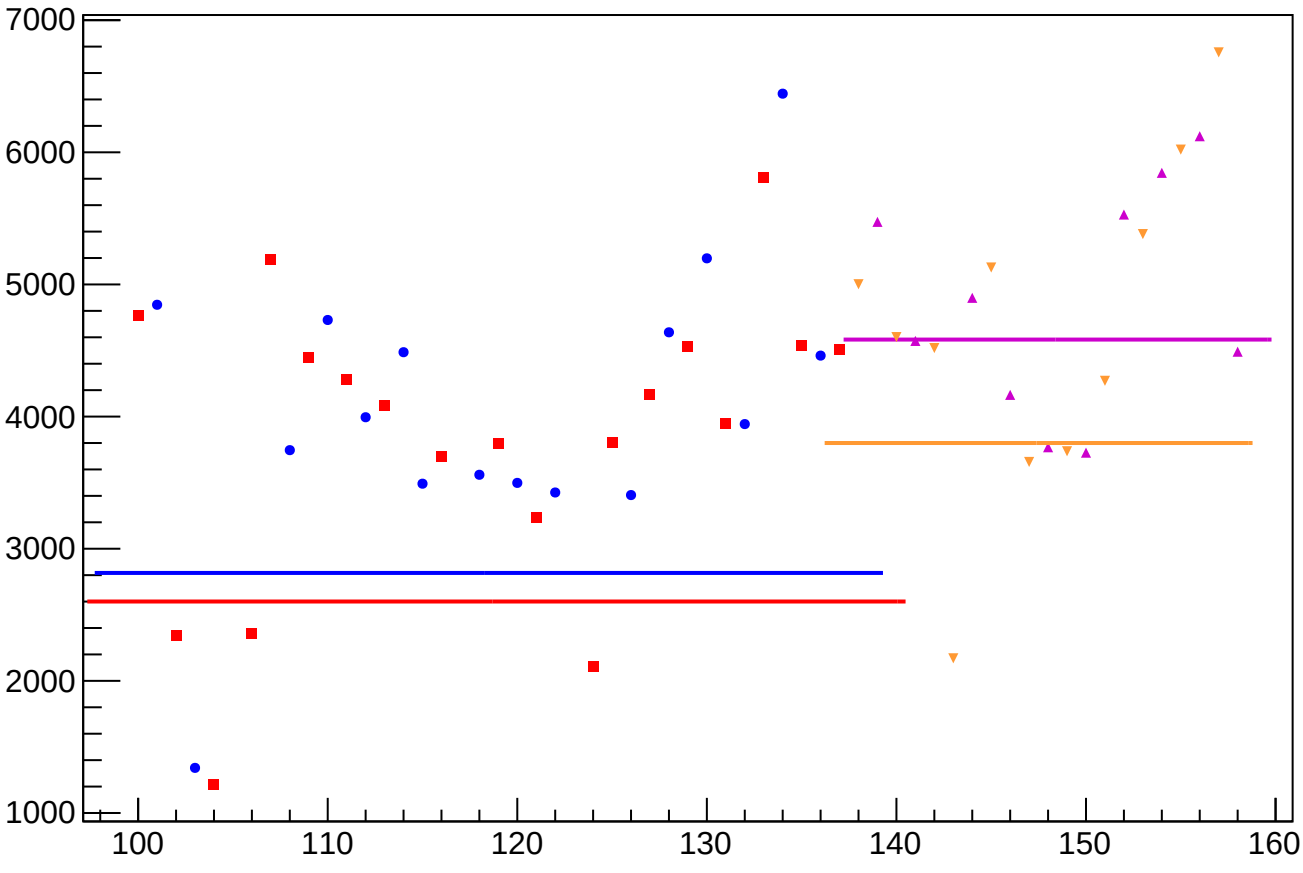
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -974.395+/-1577.964 χ^2/NDF:4.3/9

+ sign -106.077+/-896.378 χ^2/NDF: 26.9/26

All: -199.329+/-635.600 χ^2/NDF: 47.5/55

- sign -293.627+/-901.392 χ^2/NDF: 20.5/28



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 3800.020+/-0.972 χ^2/NDF:1879211.4/10

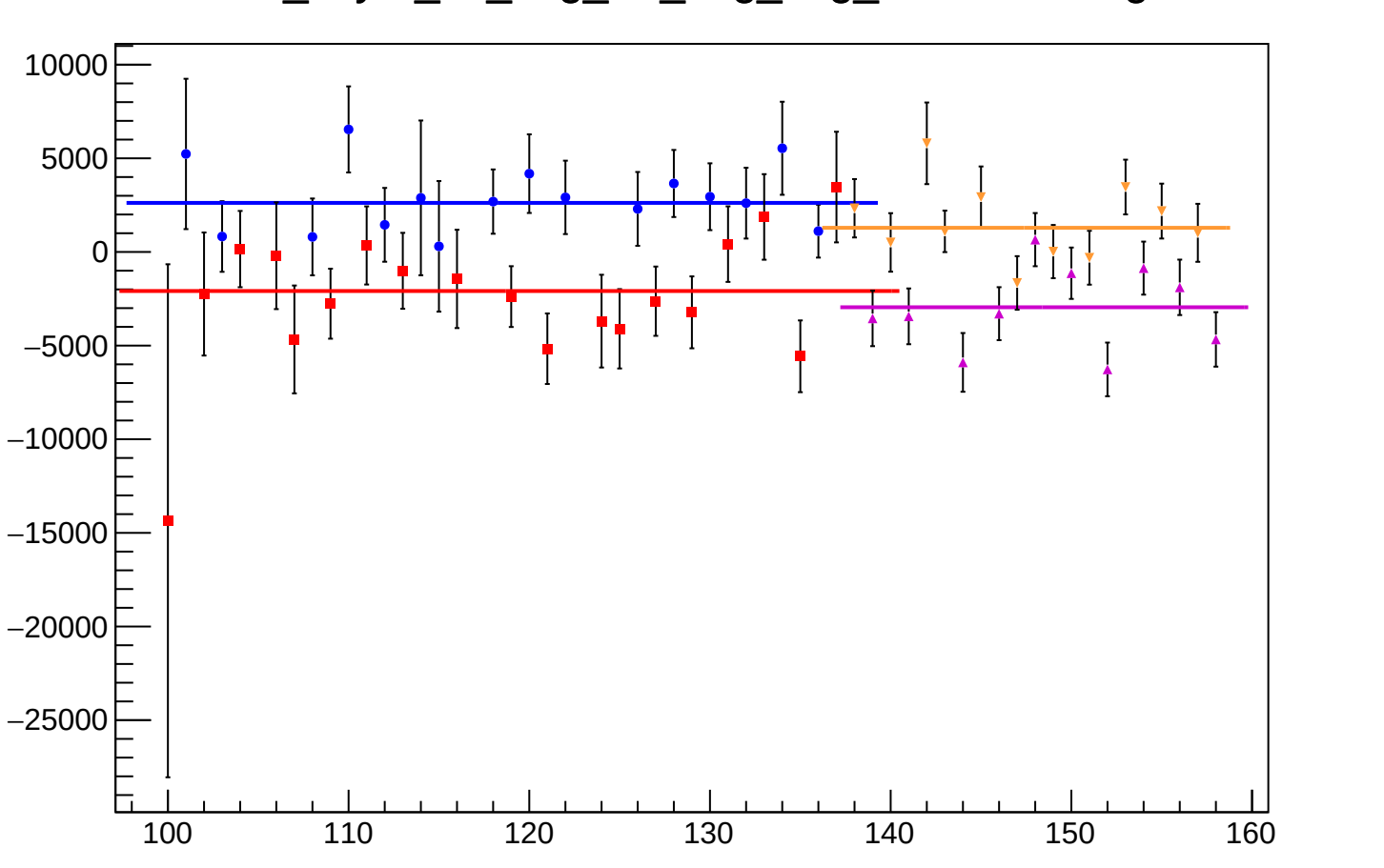
Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4582.830+/-1.116 χ^2/NDF:479013.5/9

+ sign 3234.969+/-0.634 χ^2/NDF: 5474952.8/26

All: 3241.137+/-0.449 χ^2/NDF: 11161284.8/5

- sign 3247.374+/-0.637 χ^2/NDF: 5686141.5/28



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1289.434+/-445.389 χ^2/NDF:14.9/10

Right Out: -2085.606+/-504.873 χ^2/NDF: 20.9/18

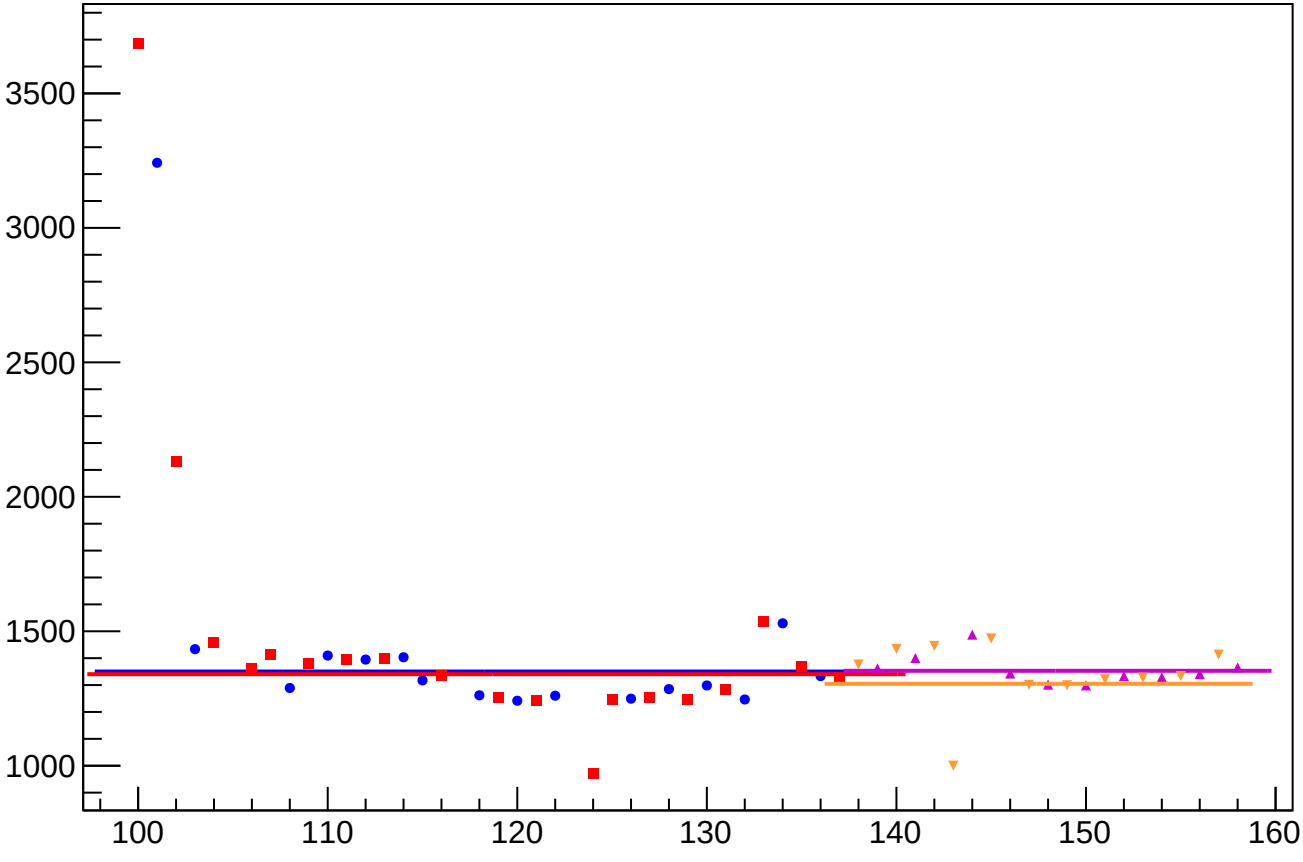
Left In: -2952.926+/-458.475 χ^2/NDF:21.5/9

+ sign 1863.443+/-335.898 χ^2/NDF: 28.1/26

All: -325.736+/-238.748 χ^2/NDF: 158.0/55

- sign -2560.943+/-339.411 χ^2/NDF: 44.1/28

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1304.646+/-0.315 χ^2/NDF:210104.3/10

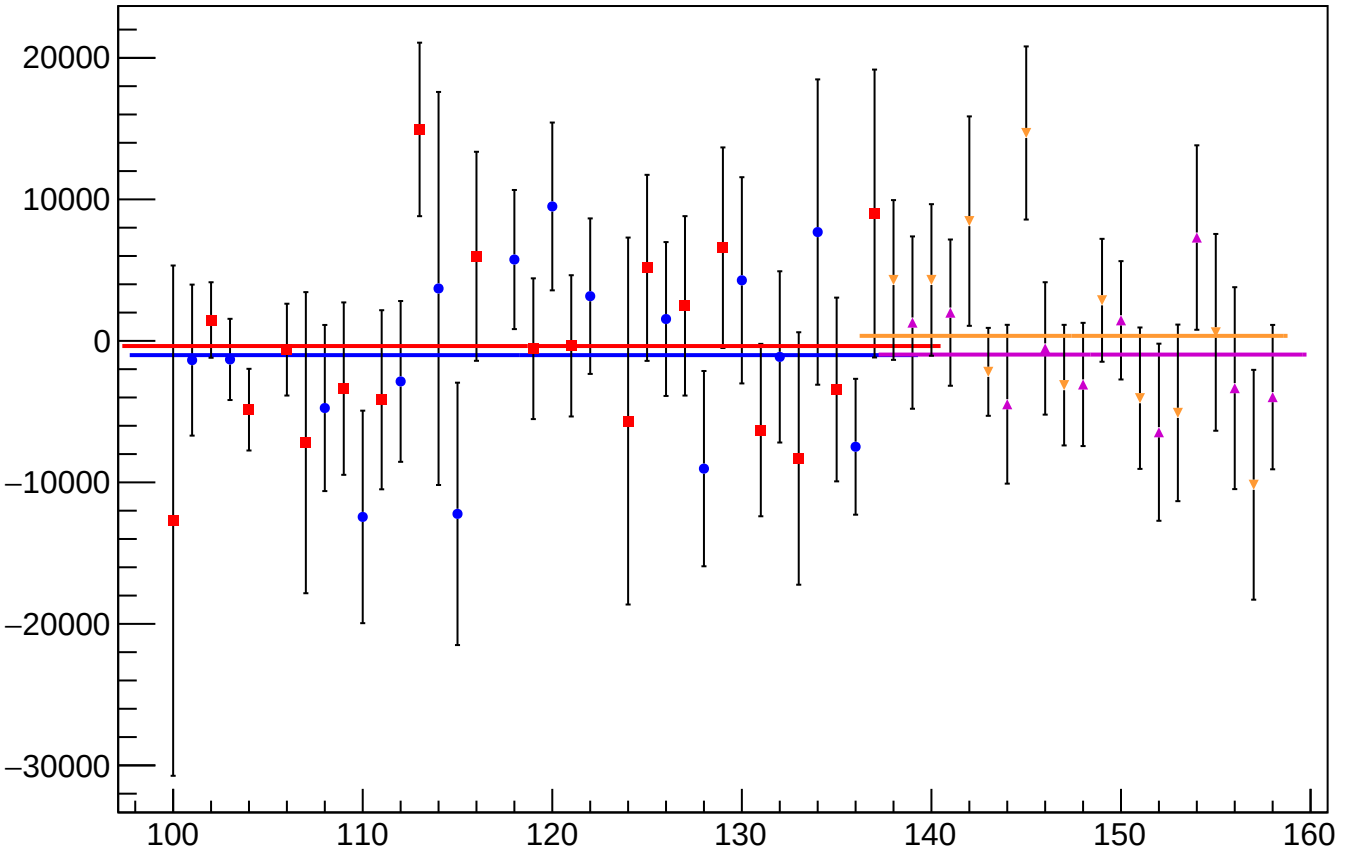
Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1353.044+/-0.324 χ^2/NDF:23923.6/9

+ sign 1324.363+/-0.238 χ^2/NDF: 713244.7/26

All: 1335.734+/-0.169 χ^2/NDF: 1014667.9/55

- sign 1347.339+/-0.240 χ^2/NDF: 296791.9/28



Right In: -1006.752+/-1404.458 χ^2/NDF: 14.6/15

Left Out: 355.307+/-1534.893 χ^2/NDF:12.6/10

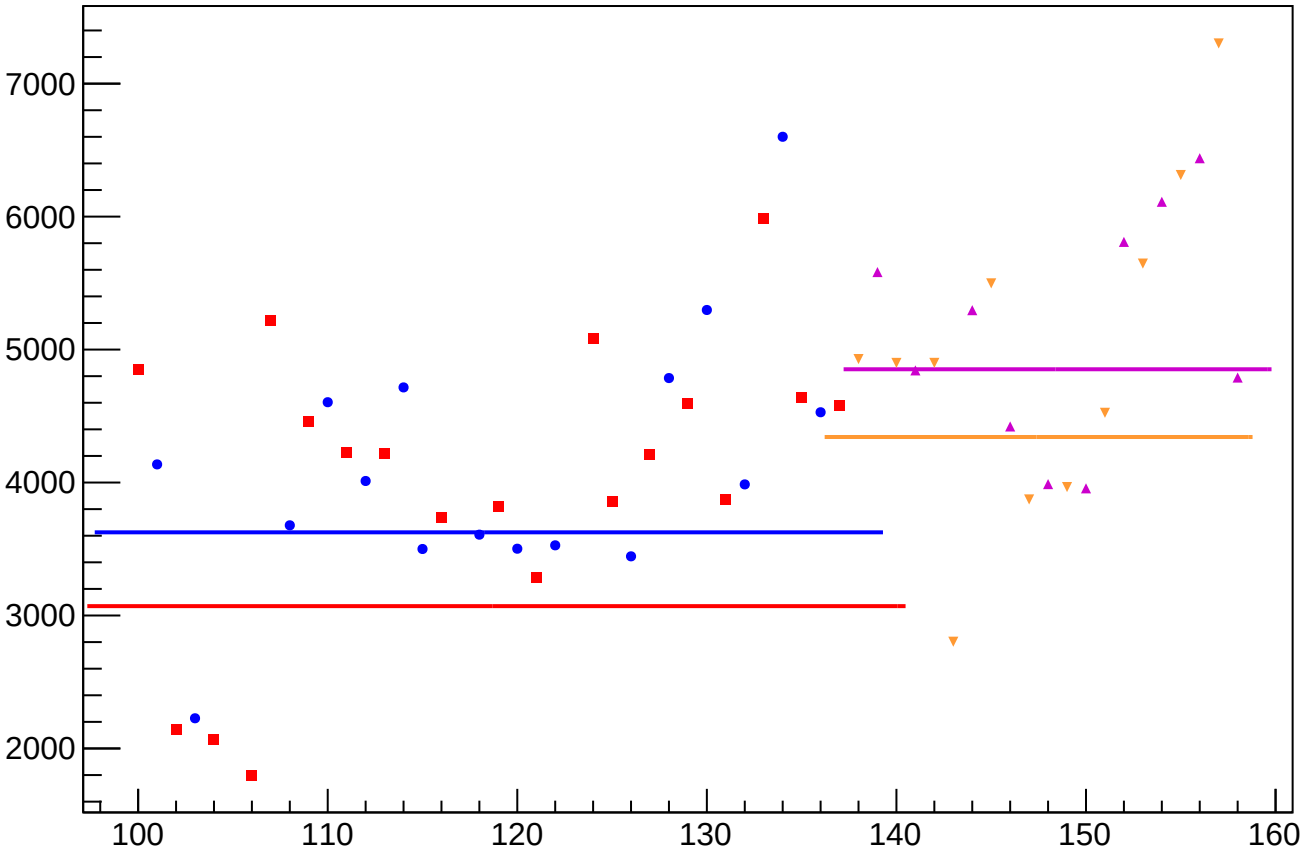
Right Out: -364.493+/-1202.498 χ^2/NDF: 16.2/18

Left In: -967.954+/-1669.257 χ^2/NDF:4.3/9

+ sign -386.045+/-1036.151 χ^2/NDF: 27.6/26

All: -483.898+/-710.331 χ^2/NDF: 48.2/55

- sign -570.665+/-975.693 χ^2/NDF: 20.6/28



Right In: 3625.512+/-0.993 χ^2/NDF: 944905.4/15

Left Out: 4342.426+/-1.085 χ^2/NDF:1172638.6/10

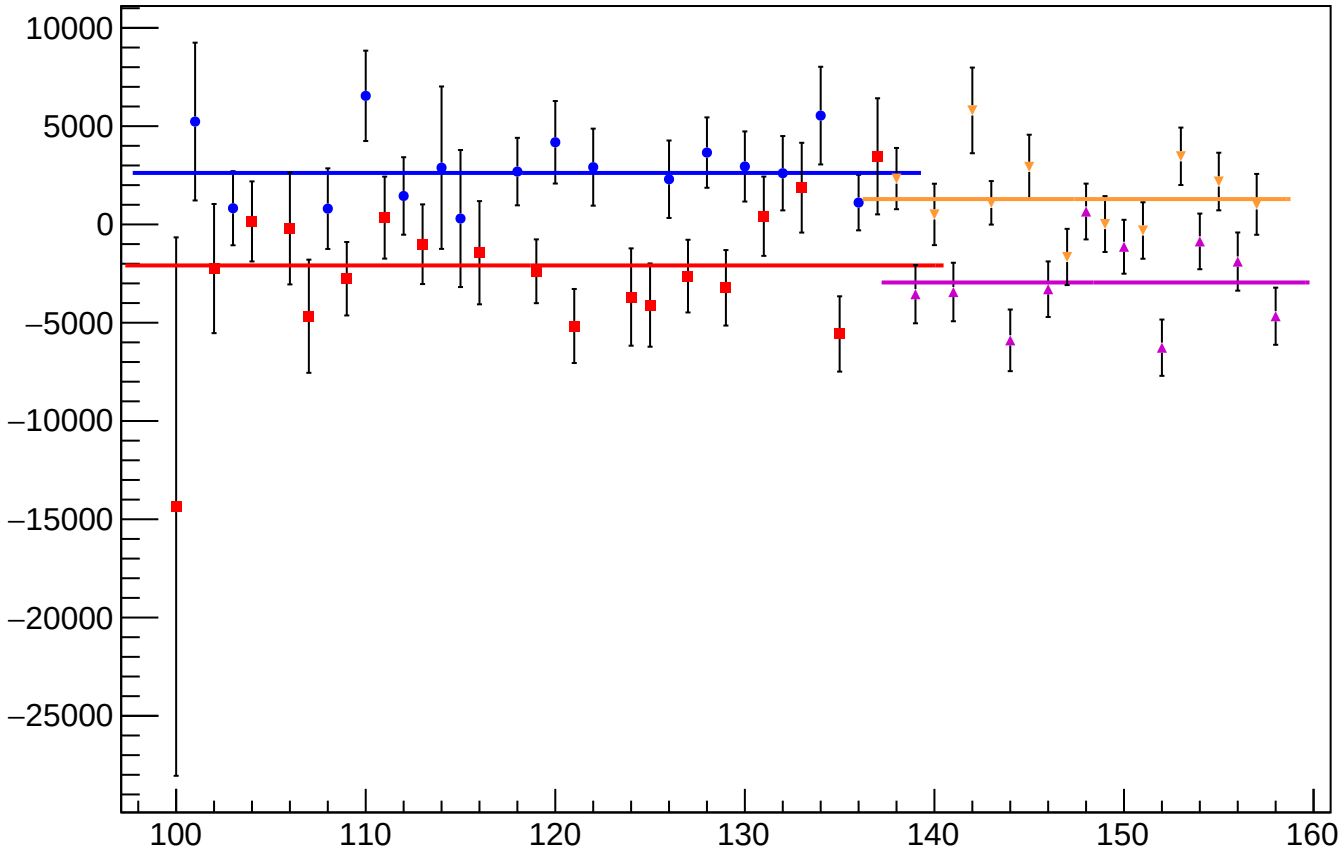
Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

Left In: 4851.891+/-1.180 χ^2/NDF:449496.5/9

+ sign 3952.218+/-0.733 χ^2/NDF: 2355029.3/26

All: 3807.444+/-0.502 χ^2/NDF: 6216493.5/55

- sign 3679.072+/-0.690 χ^2/NDF: 3787797.9/28



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1289.433+/-445.389 χ^2/NDF:14.9/10

Right Out: -2085.608+/-504.873 χ^2/NDF: 20.9/18

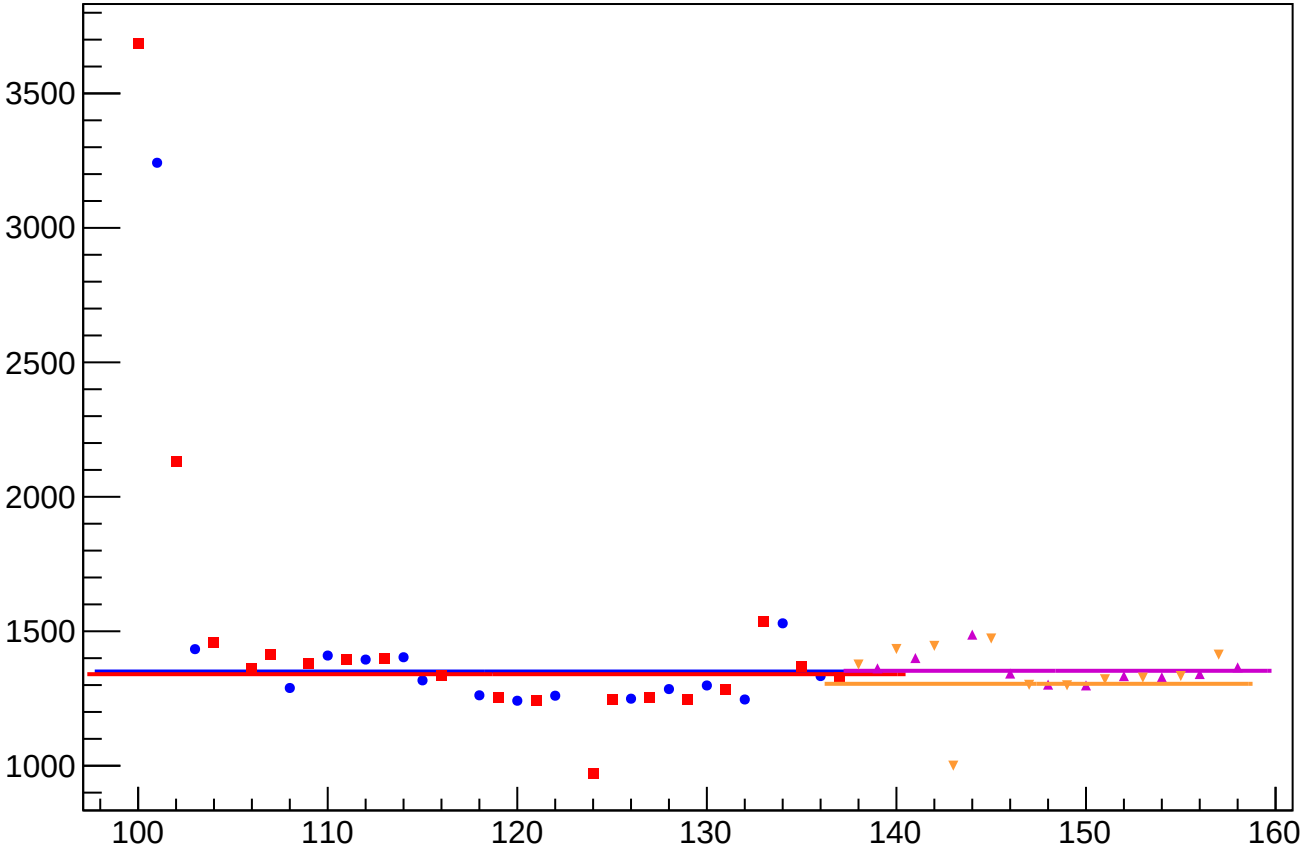
Left In: -2952.926+/-458.475 χ^2/NDF:21.5/9

+ sign 1863.443+/-335.899 χ^2/NDF: 28.1/26

All: -325.736+/-238.748 χ^2/NDF: 158.0/55

- sign -2560.943+/-339.411 χ^2/NDF: 44.1/28

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.2/15

Left Out: 1304.647+/-0.315 χ^2/NDF:210104.7/10

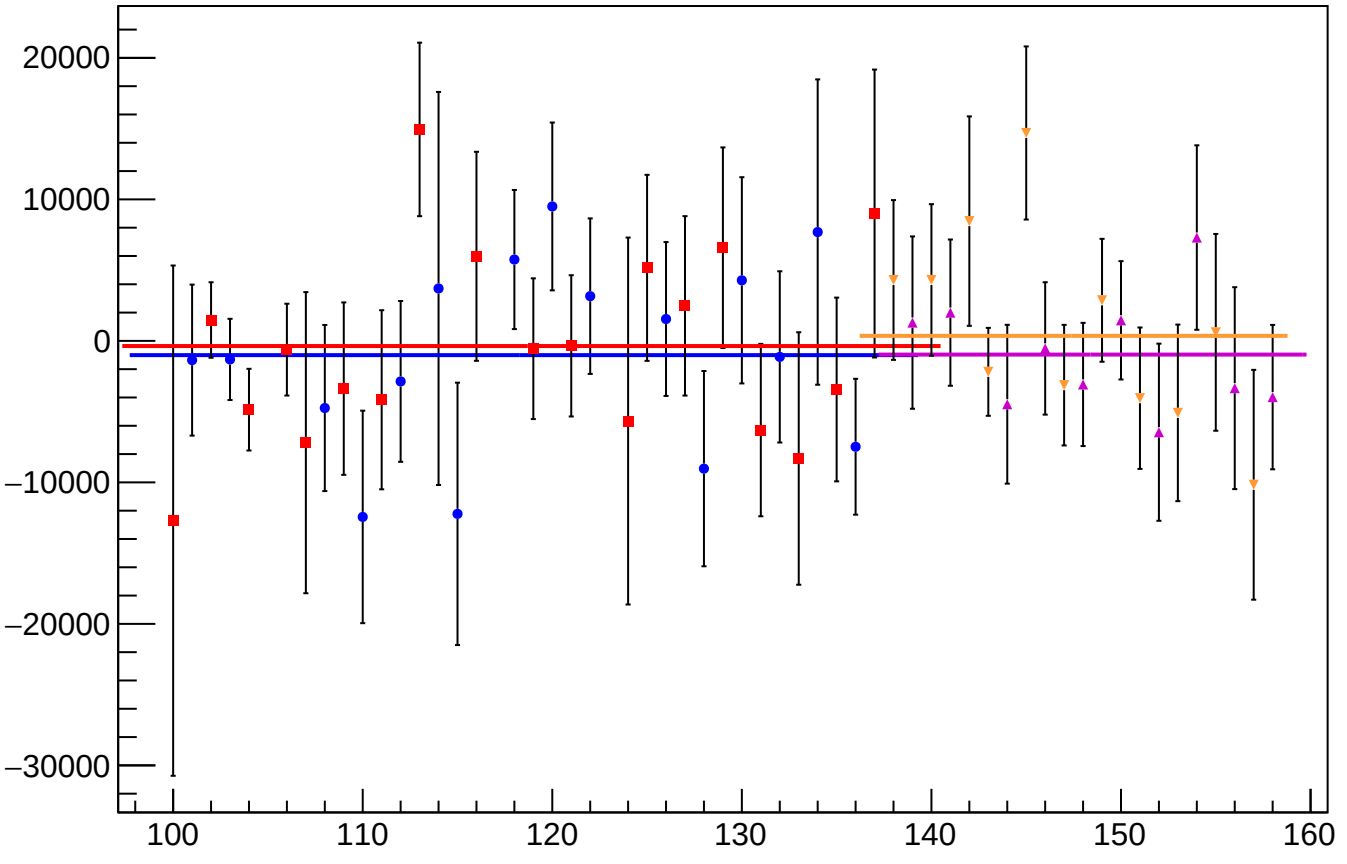
Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1353.045+/-0.324 χ^2/NDF:23923.8/9

+ sign 1324.363+/-0.238 χ^2/NDF: 713244.7/26

All: 1335.735+/-0.169 χ^2/NDF: 1014667.3/55

- sign 1347.339+/-0.240 χ^2/NDF: 296791.4/28



Right In: -1006.742+/-1404.455 χ^2/NDF: 14.6/15

Left Out: 355.303+/-1534.895 χ^2/NDF:12.6/10

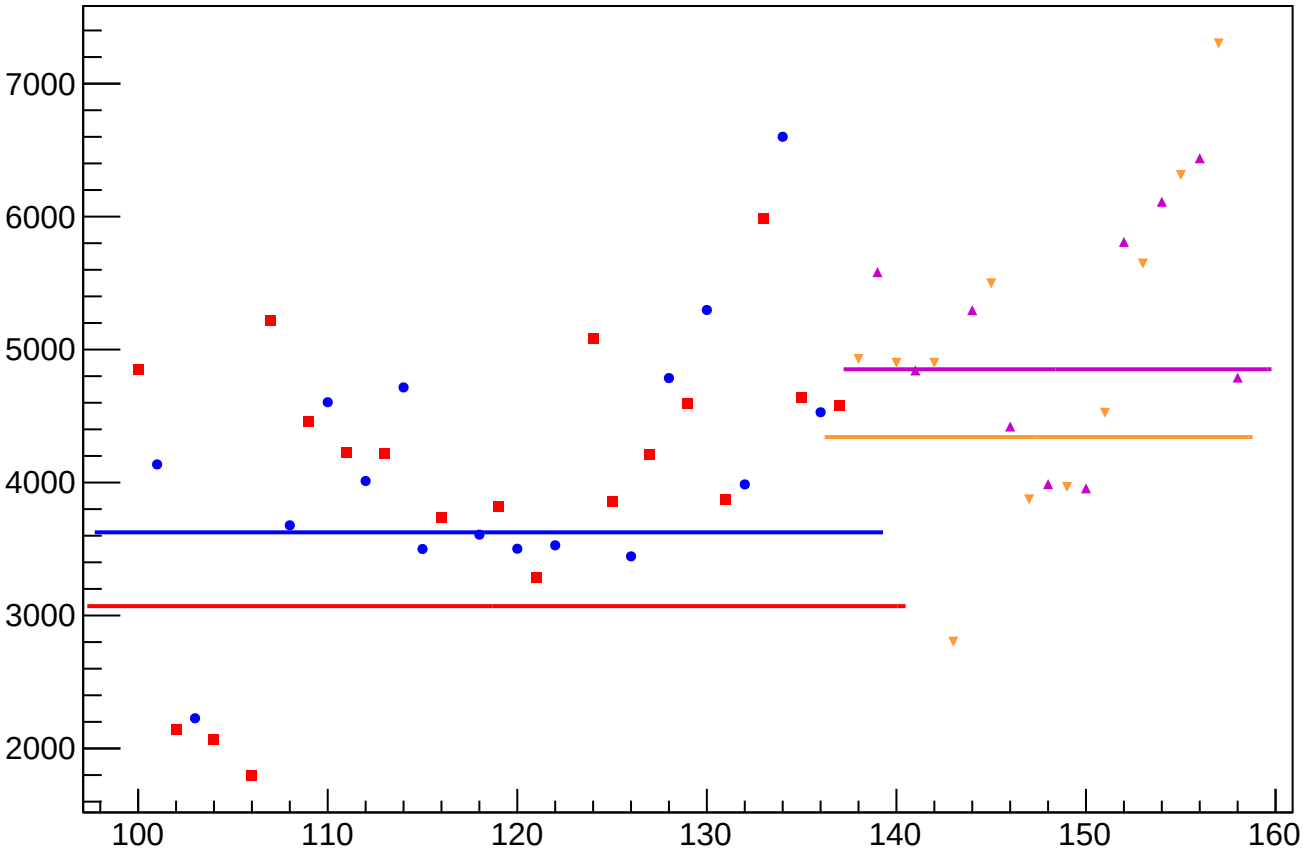
Right Out: -364.495+/-1202.495 χ^2/NDF: 16.2/18

Left In: -967.954+/-1669.260 χ^2/NDF:4.3/9

+ sign -386.045+/-1036.151 χ^2/NDF: 27.6/26

All: -483.898+/-710.331 χ^2/NDF: 48.2/55

- sign -570.665+/-975.692 χ^2/NDF: 20.6/28



Right In: 3625.503+/-0.993 χ^2/NDF: 944907.6/15

Left Out: 4342.432+/-1.085 χ^2/NDF:1172637.8/10

Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

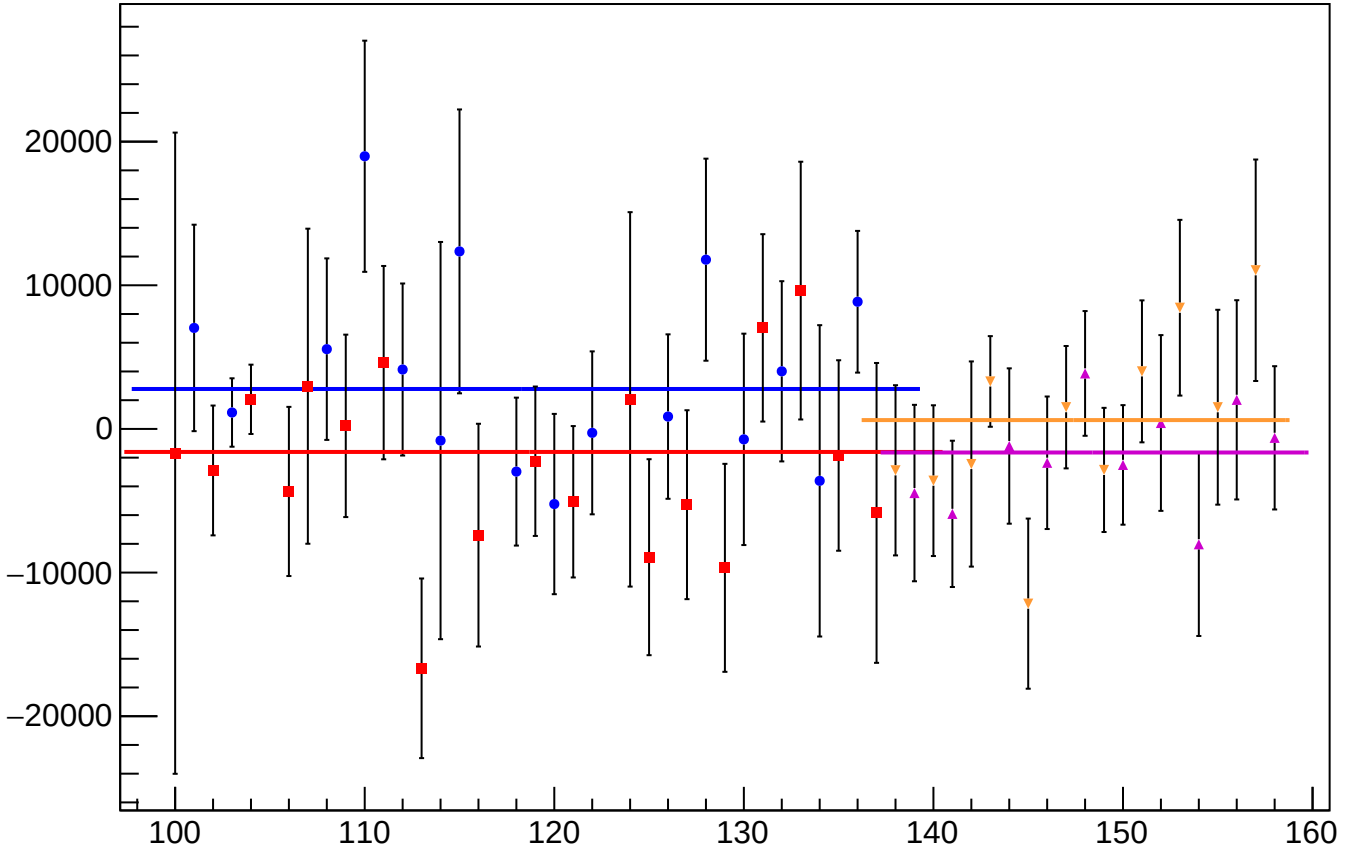
Left In: 4851.897+/-1.180 χ^2/NDF:449496.9/9

+ sign 3952.215+/-0.733 χ^2/NDF: 2355040.9/26

All: 3807.439+/-0.502 χ^2/NDF: 6216535.4/55

- sign 3679.065+/-0.690 χ^2/NDF: 3787826.3/28

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: 615.124+/-1528.063 χ^2/NDF:11.2/10

Right Out: -1602.626+/-1337.018 χ^2/NDF: 16.8/18

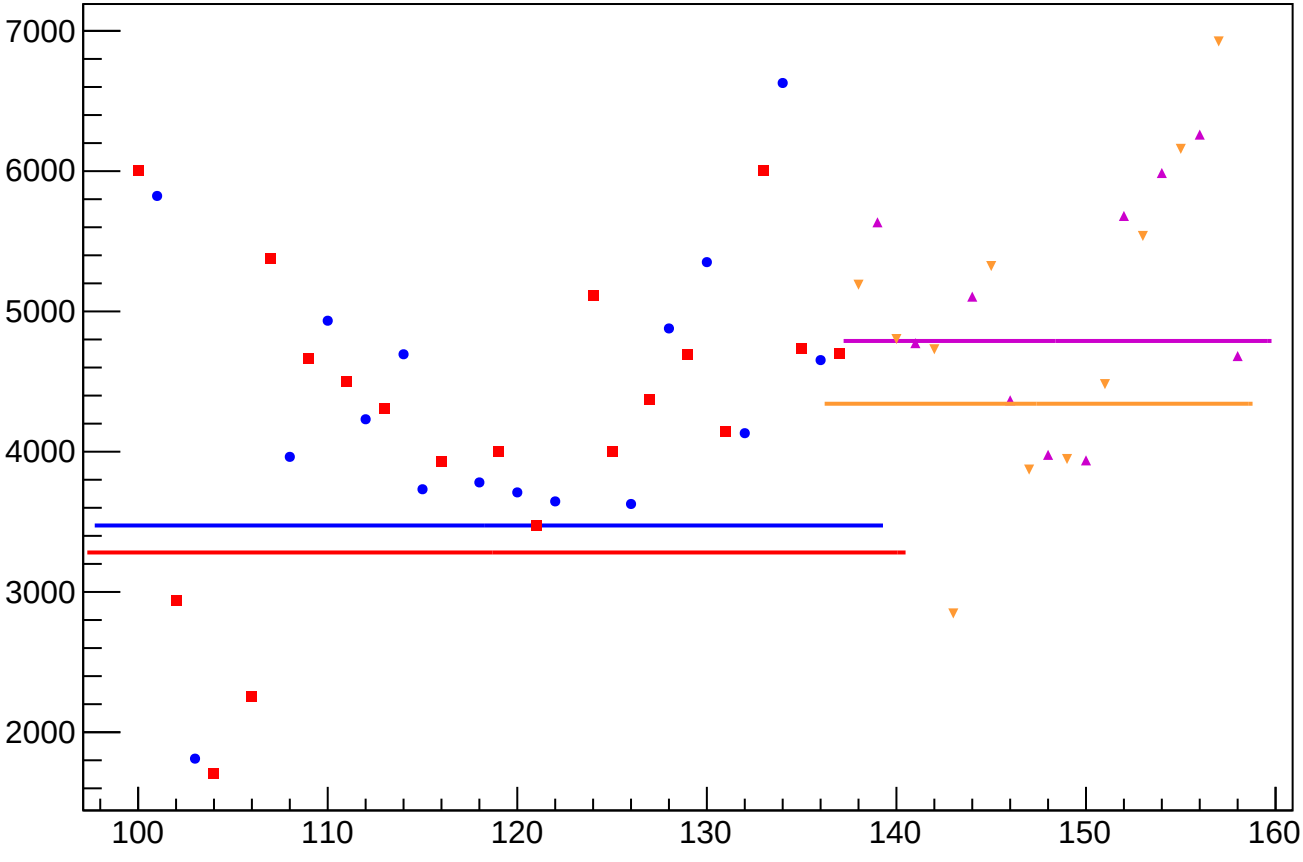
Left In: -1641.263+/-1645.531 χ^2/NDF:4.0/9

+ sign 1800.674+/-1028.005 χ^2/NDF: 25.5/26

All: 107.340+/-730.303 χ^2/NDF: 51.8/55

- sign -1617.990+/-1037.671 χ^2/NDF: 20.8/28

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 4341.858+/-1.081 χ^2/NDF:1053422.3/10

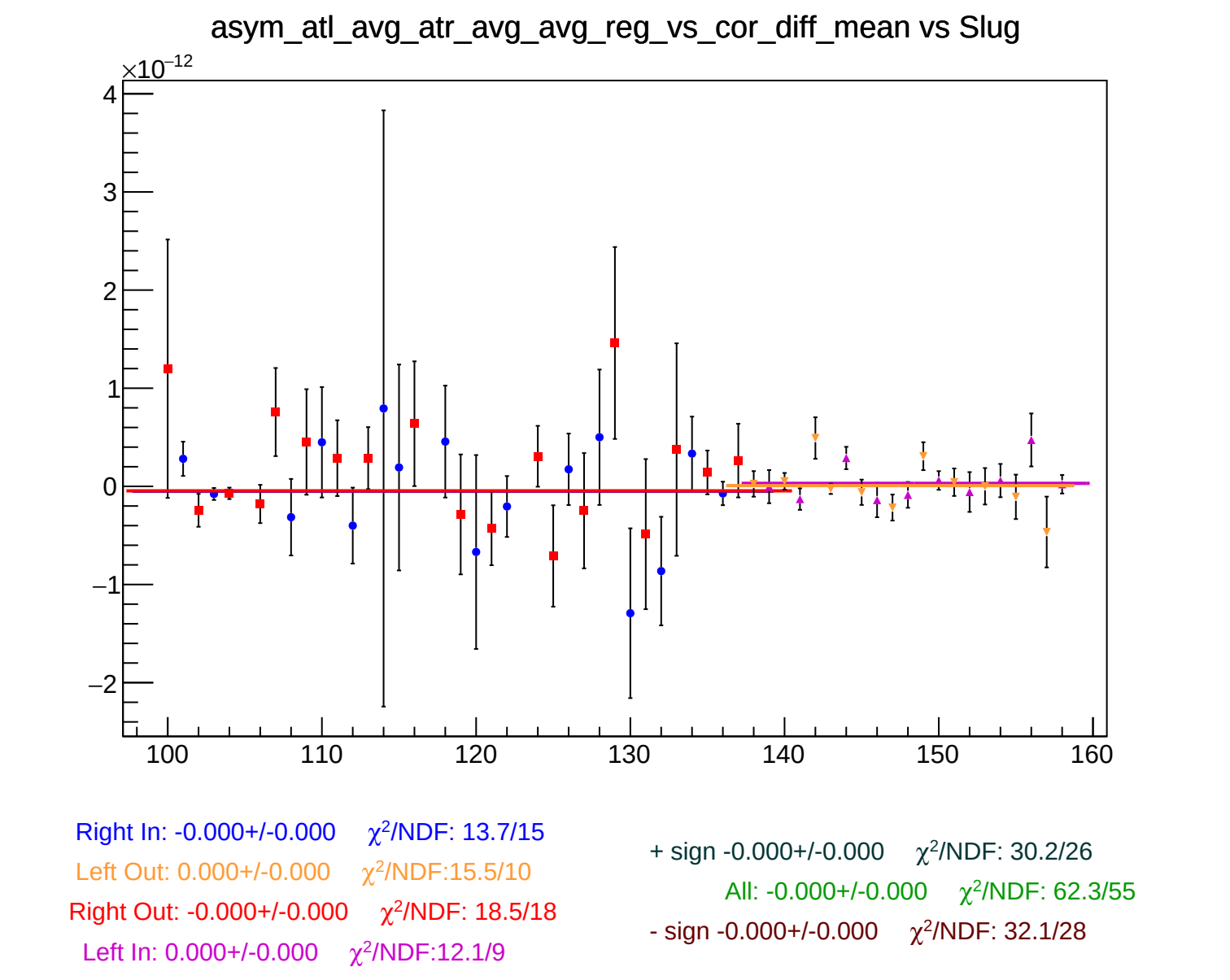
Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

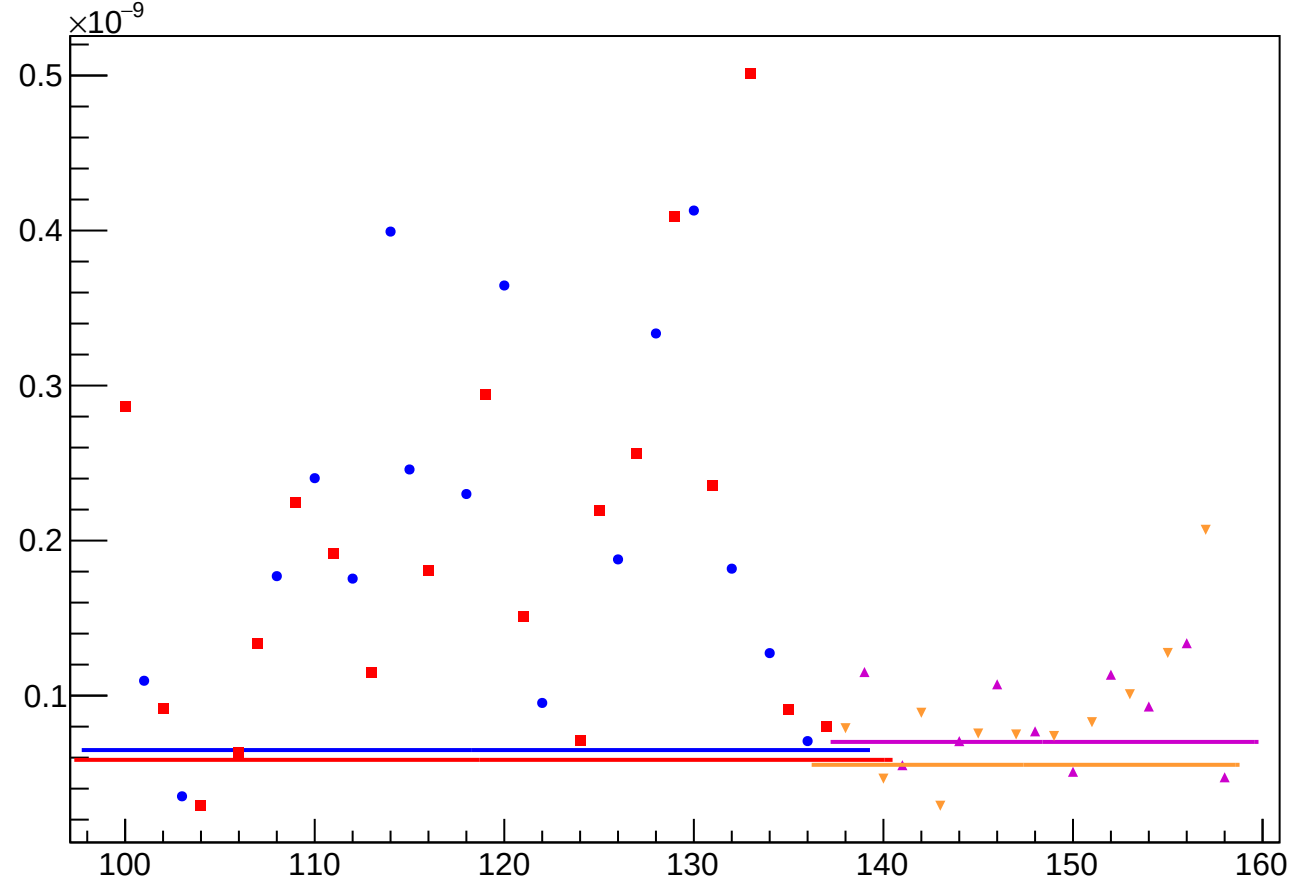
Left In: 4789.404+/-1.164 χ^2/NDF:418924.0/9

+ sign 3866.727+/-0.727 χ^2/NDF: 3250619.0/26

All: 3868.962+/-0.514 χ^2/NDF: 6567727.7/55

- sign 3871.201+/-0.728 χ^2/NDF: 3317089.8/28


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 13.7/15
Left Out: 0.000+/-0.000 χ²/NDF:15.5/10
Right Out: -0.000+/-0.000 χ²/NDF: 18.5/18
Left In: 0.000+/-0.000 χ²/NDF:12.1/9
+ sign -0.000+/-0.000 χ²/NDF: 30.2/26
All: -0.000+/-0.000 χ²/NDF: 62.3/55
- sign -0.000+/-0.000 χ²/NDF: 32.1/28



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1517864.1/10

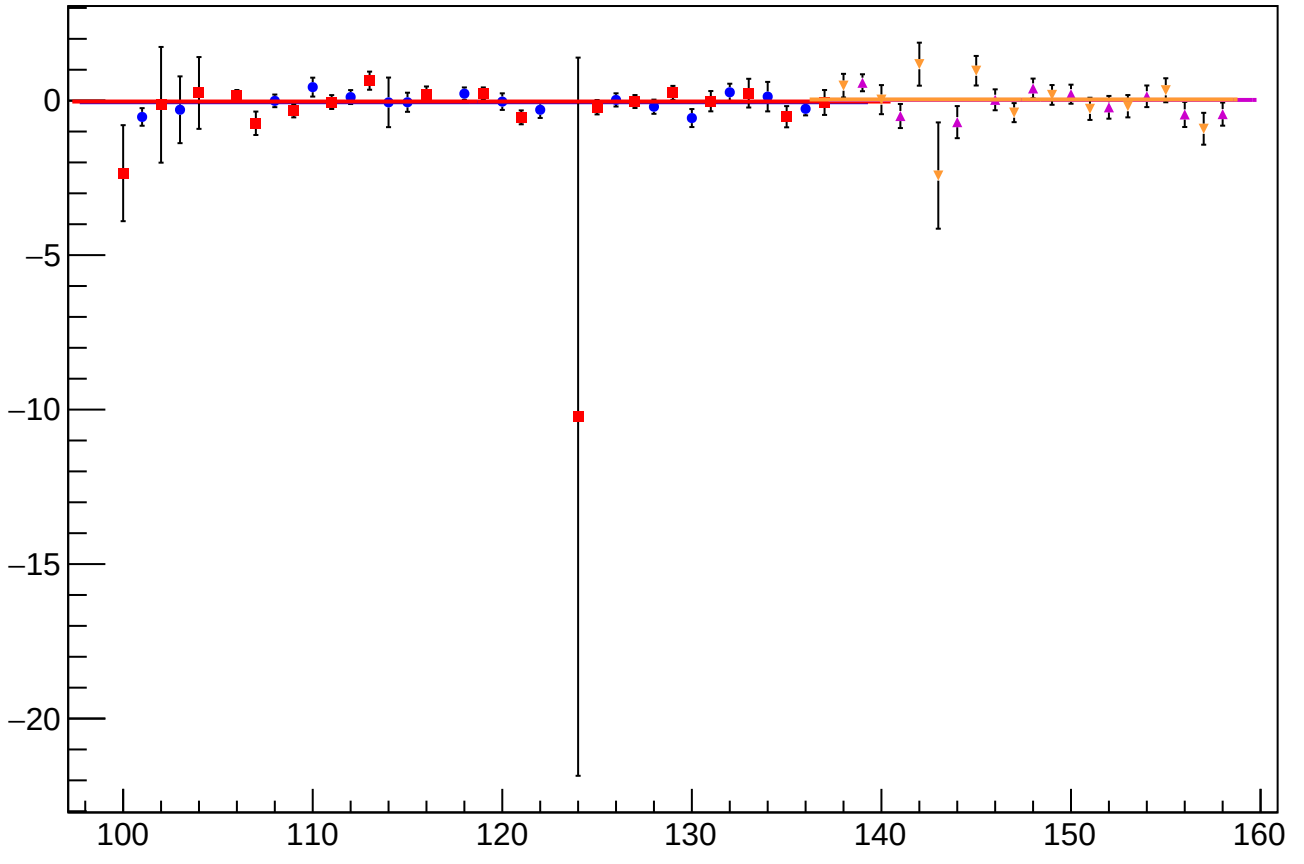
Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:713510.6/9

+ sign 0.000+/-0.000 χ^2/NDF: 4162073.9/26

All: 0.000+/-0.000 χ^2/NDF: 7847593.2/55

- sign 0.000+/-0.000 χ^2/NDF: 3635909.3/28



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: 0.037+/-0.125 χ^2/NDF:17.1/10

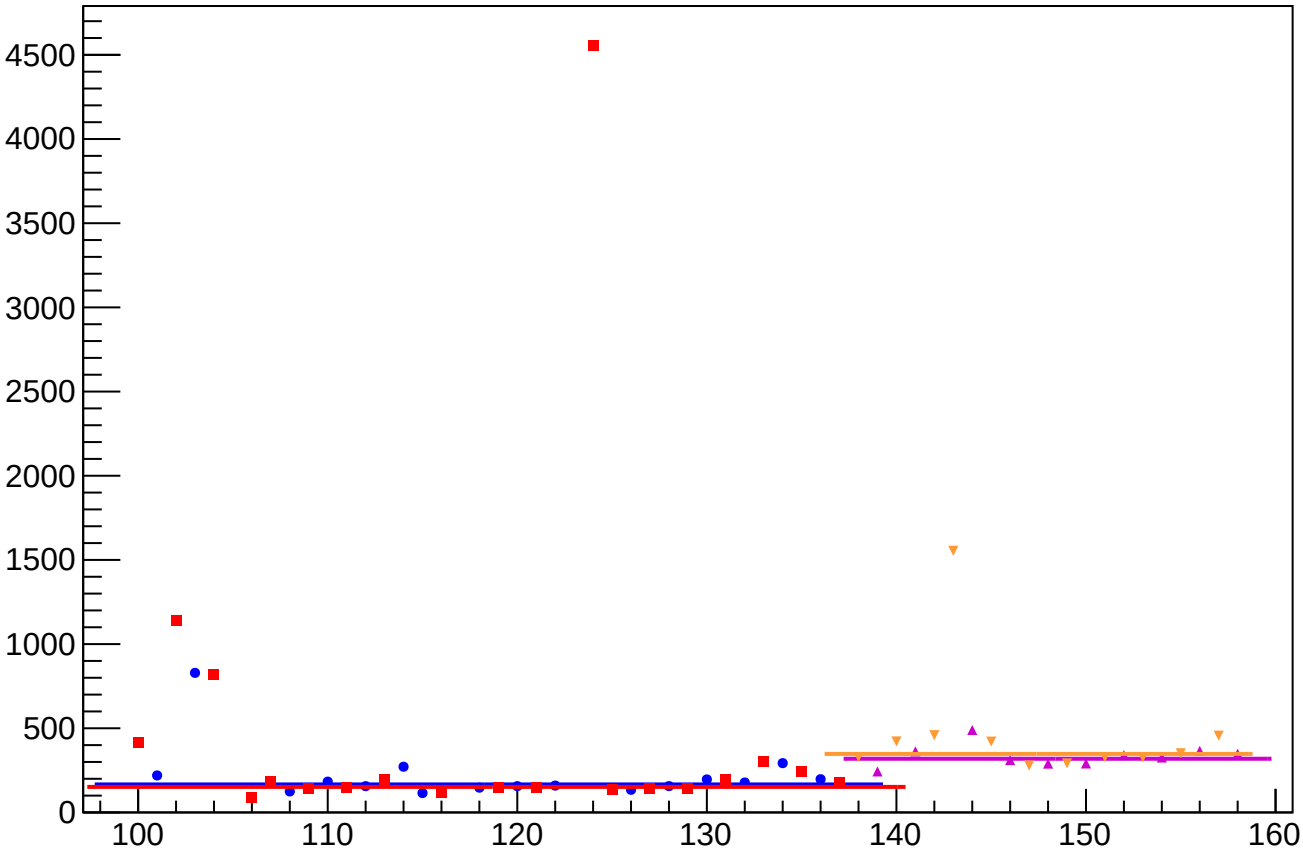
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.023+/-0.111 χ^2/NDF:12.9/9

+ sign -0.032+/-0.059 χ^2/NDF: 32.3/26

All: -0.023+/-0.040 χ^2/NDF: 72.9/55

- sign -0.016+/-0.055 χ^2/NDF: 40.6/28



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 347.741+/-0.088 χ^2/NDF:1397143.7/10

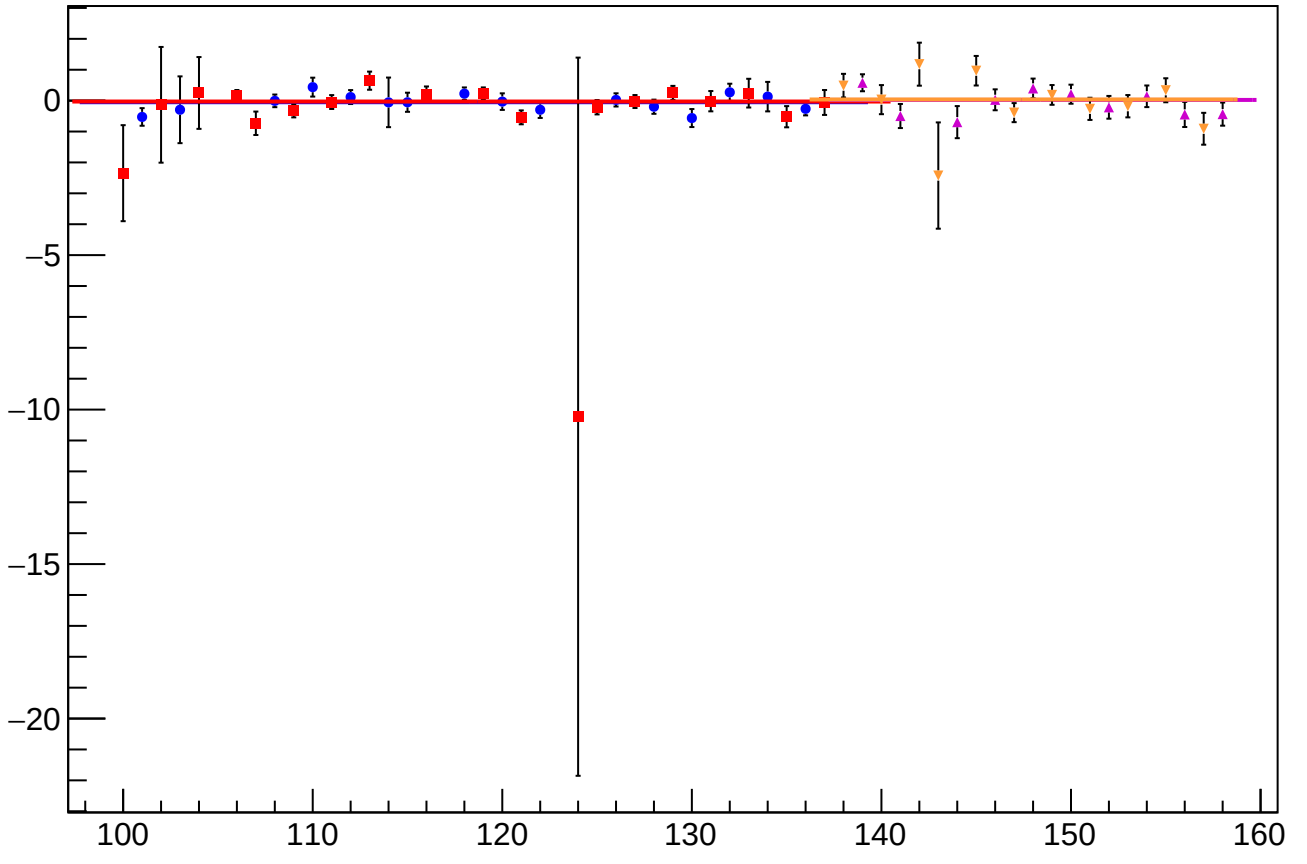
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 319.012+/-0.078 χ^2/NDF:471482.2/9

+ sign 206.709+/-0.042 χ^2/NDF: 5967144.3/26

All: 199.768+/-0.029 χ^2/NDF: 12218602.5/55

- sign 193.606+/-0.039 χ^2/NDF: 6198922.8/28



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: 0.037+/-0.125 χ^2/NDF:17.1/10

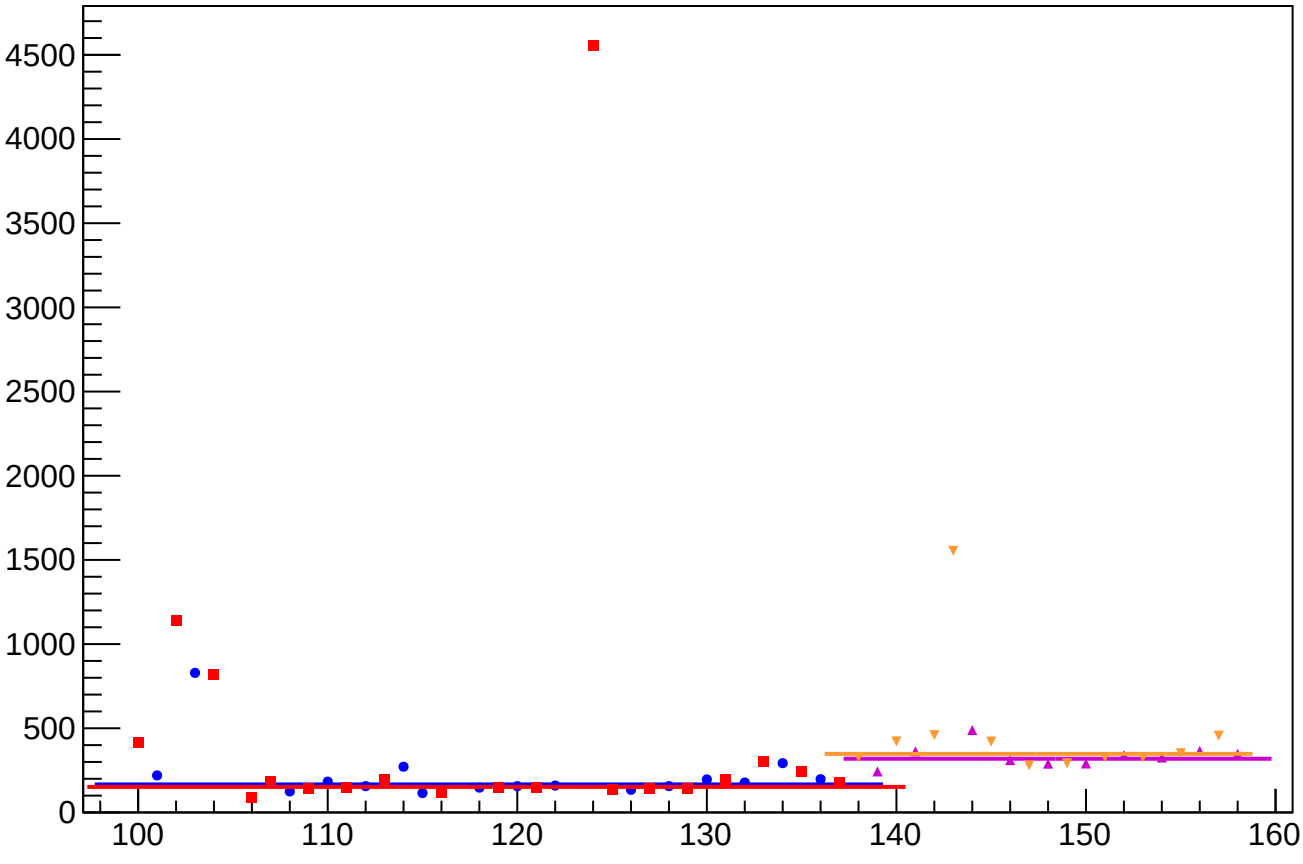
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.023+/-0.111 χ^2/NDF:12.9/9

+ sign -0.032+/-0.059 χ^2/NDF: 32.3/26

All: -0.023+/-0.040 χ^2/NDF: 72.9/55

- sign -0.016+/-0.055 χ^2/NDF: 40.6/28



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 347.741+/-0.088 χ^2/NDF:1397143.7/10

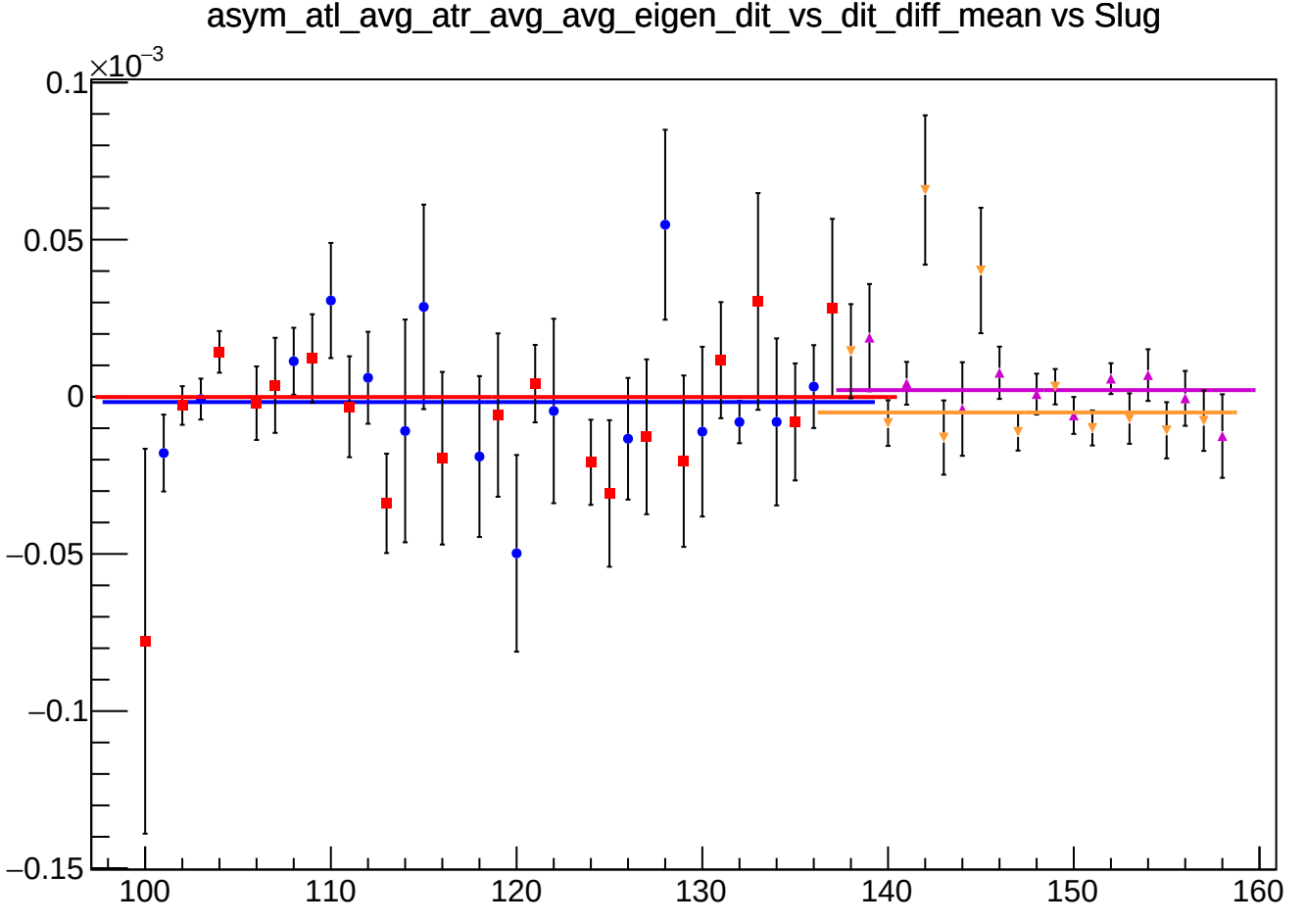
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 319.012+/-0.078 χ^2/NDF:471482.2/9

+ sign 206.709+/-0.042 χ^2/NDF: 5967144.3/26

All: 199.768+/-0.029 χ^2/NDF: 12218602.5/55

- sign 193.606+/-0.039 χ^2/NDF: 6198922.8/28



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.9/10

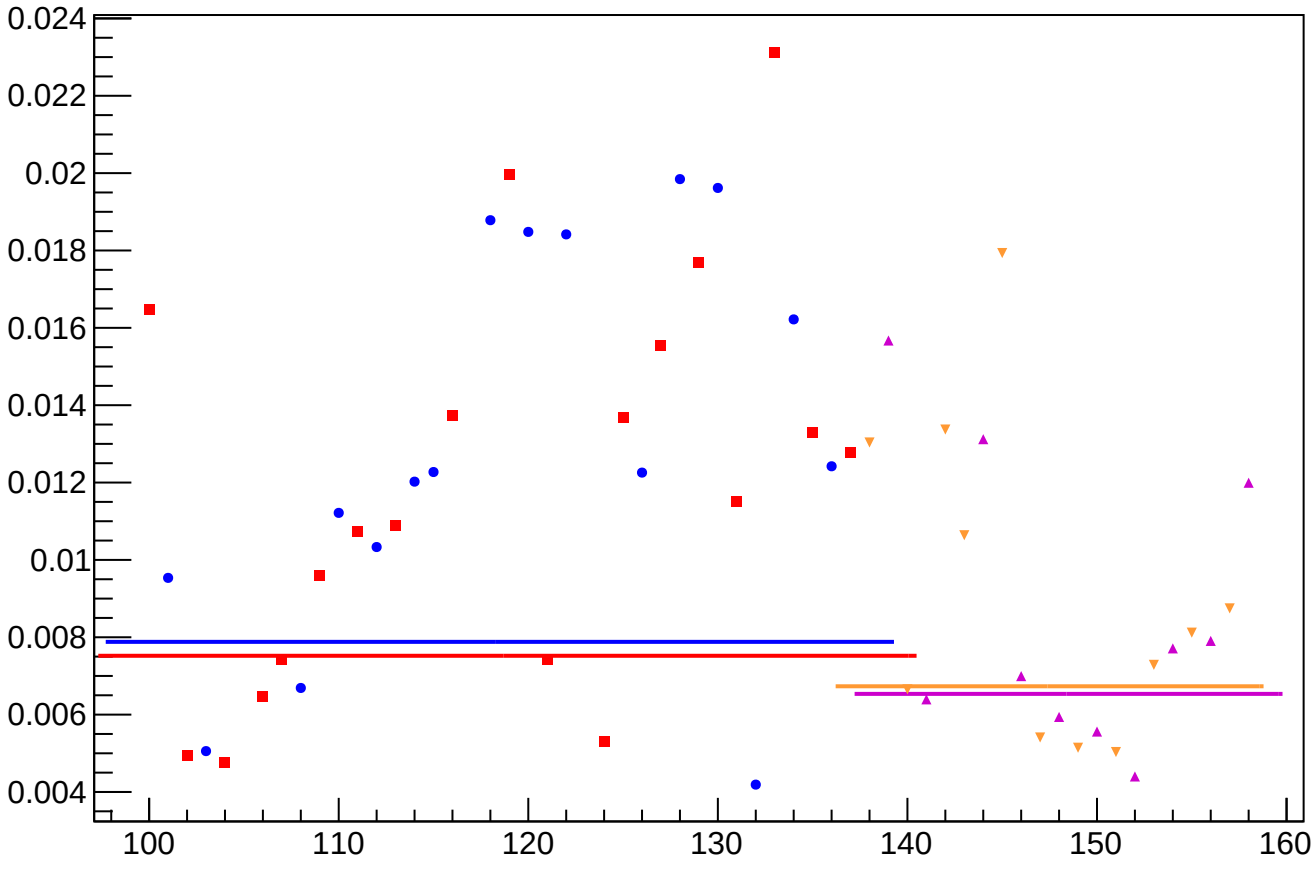
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:5.8/9

+ sign -0.000+/-0.000 χ^2/NDF: 37.0/26

All: -0.000+/-0.000 χ^2/NDF: 66.4/55

- sign 0.000+/-0.000 χ^2/NDF: 26.0/28



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:1949040.5/10

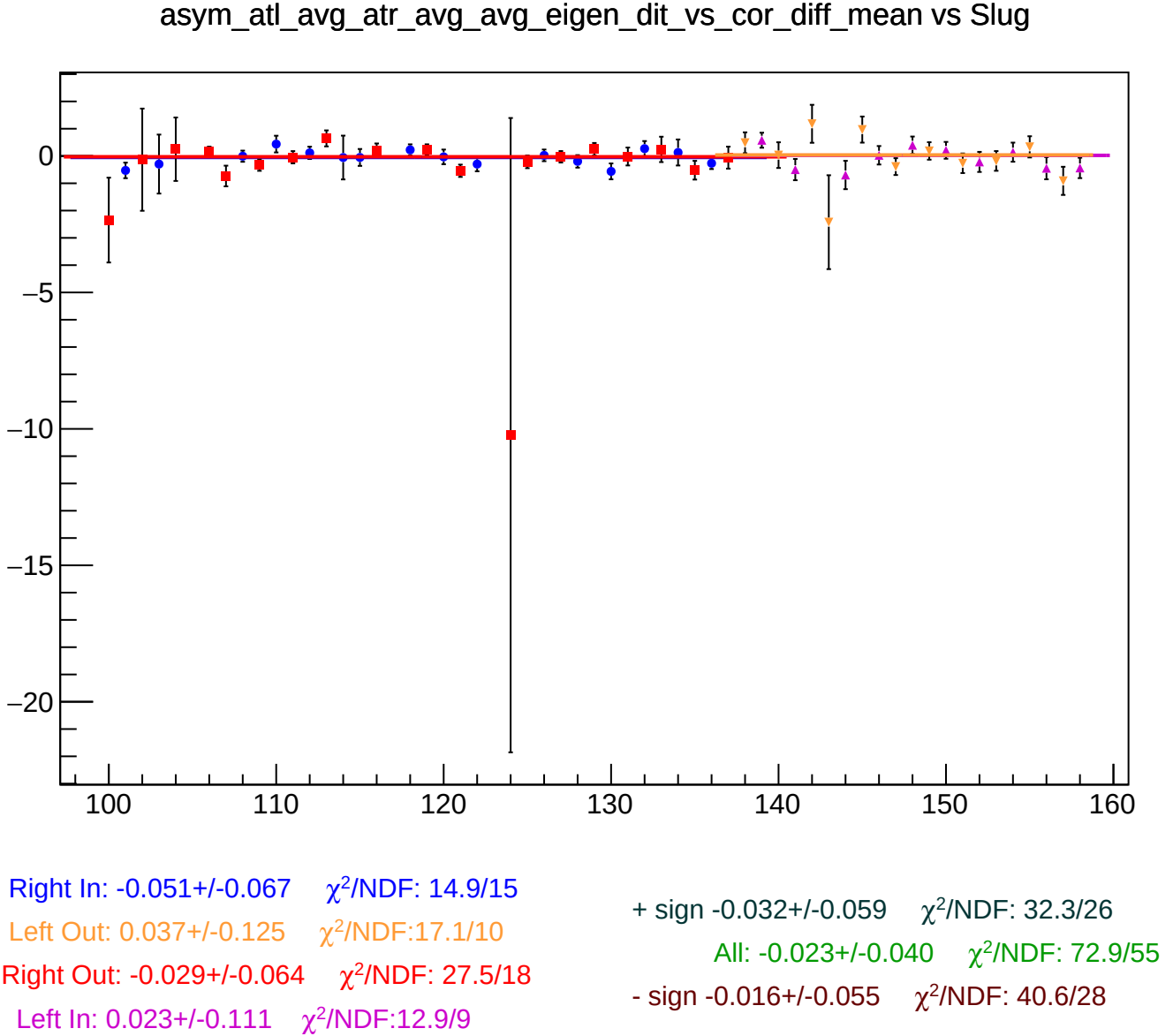
Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

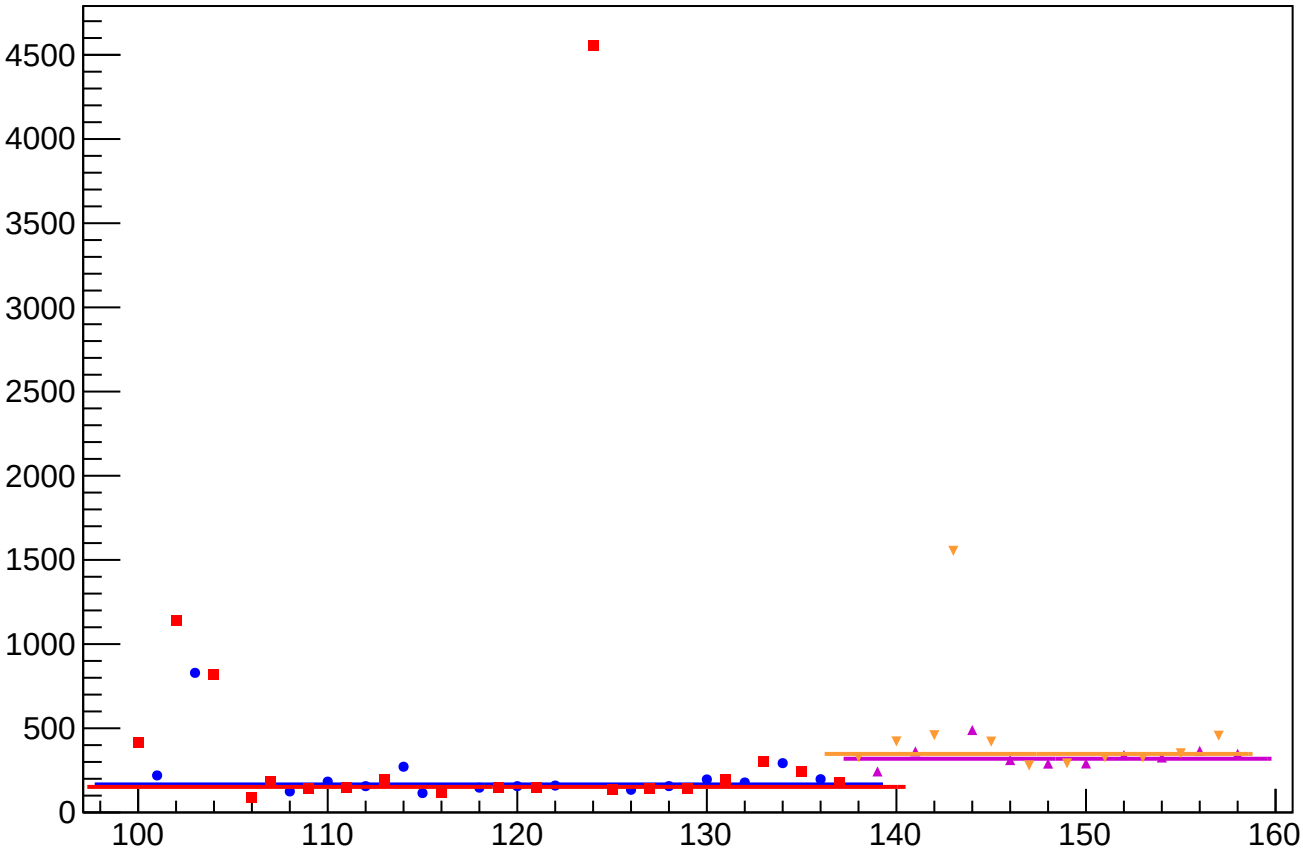
Left In: 0.007+/-0.000 χ^2/NDF:1850327.6/9

+ sign 0.007+/-0.000 χ^2/NDF: 5400733.4/26

All: 0.007+/-0.000 χ^2/NDF: 10363508.6/55

- sign 0.007+/-0.000 χ^2/NDF: 4949607.9/28


asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
0
−5
−10
−15
−20
100
110
120
130
140
150
160
Right In: -0.051+/-0.067 χ²/NDF: 14.9/15
Left Out: 0.037+/-0.125 χ²/NDF:17.1/10
Right Out: -0.029+/-0.064 χ²/NDF: 27.5/18
Left In: 0.023+/-0.111 χ²/NDF:12.9/9
+ sign -0.032+/-0.059 χ²/NDF: 32.3/26
All: -0.023+/-0.040 χ²/NDF: 72.9/55
- sign -0.016+/-0.055 χ²/NDF: 40.6/28



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 347.745+/-0.088 χ^2/NDF:1397144.0/10

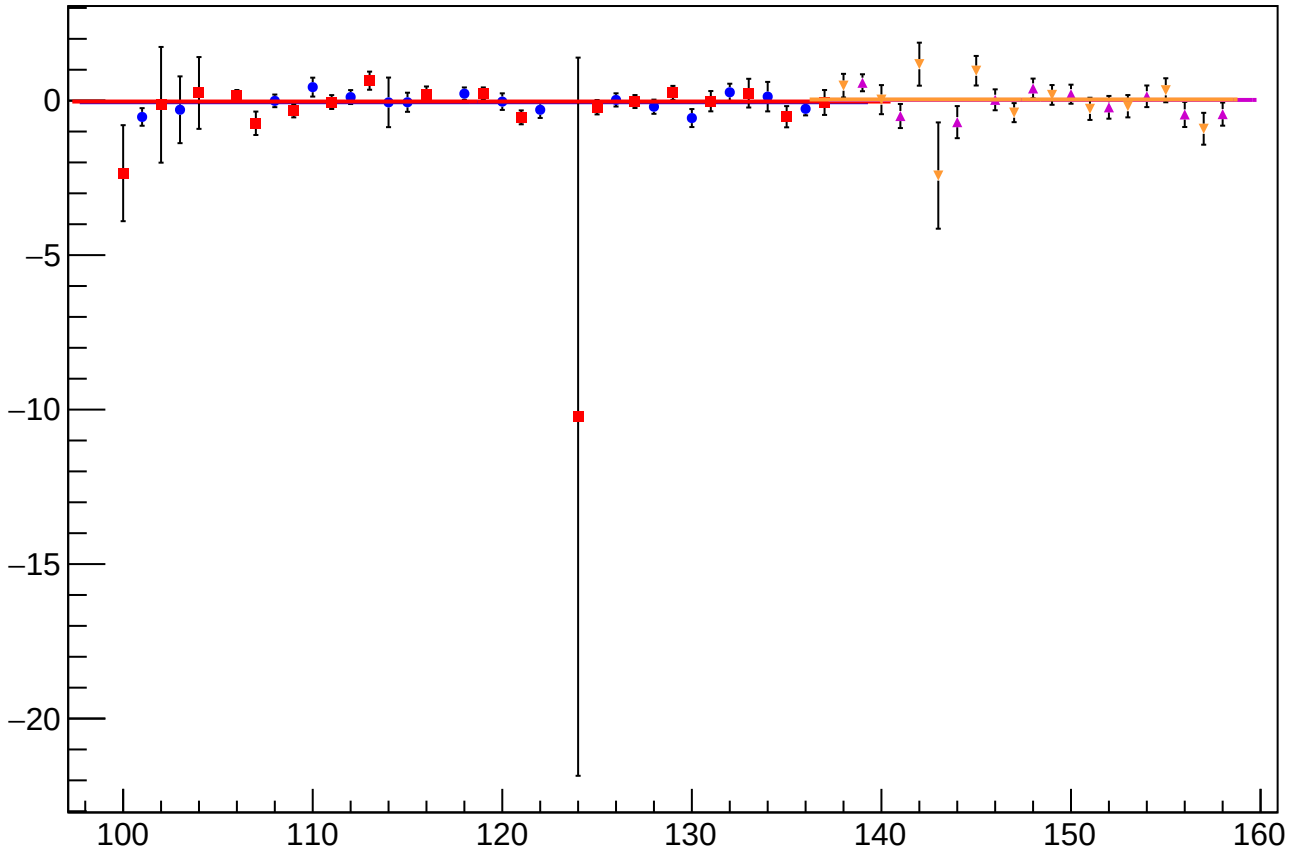
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 319.017+/-0.078 χ^2/NDF:471468.8/9

+ sign 206.708+/-0.042 χ^2/NDF: 5967259.3/26

All: 199.767+/-0.029 χ^2/NDF: 12218893.9/55

- sign 193.605+/-0.039 χ^2/NDF: 6199094.6/28



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: 0.037+/-0.125 χ^2/NDF:17.1/10

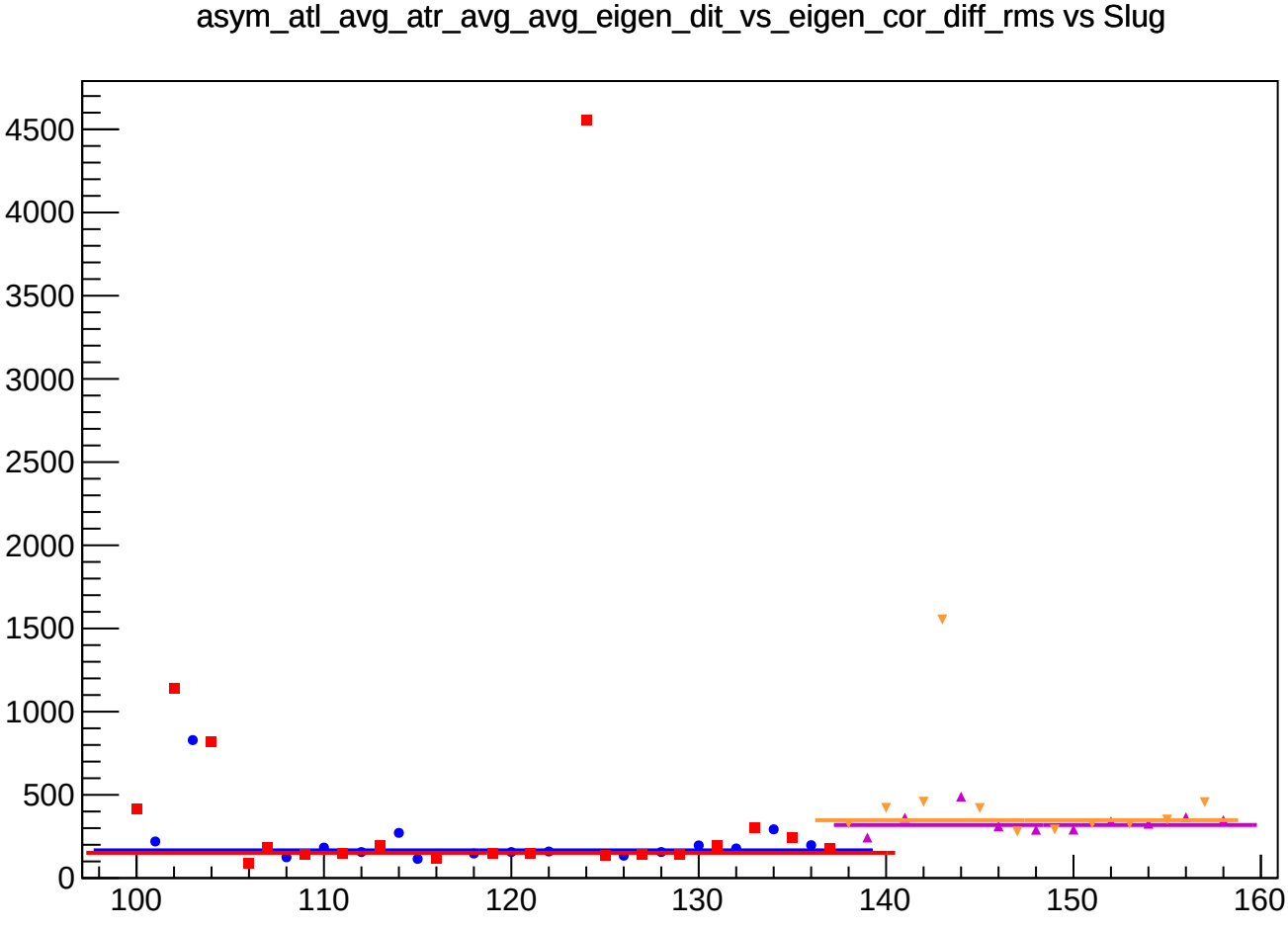
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.023+/-0.111 χ^2/NDF:12.9/9

+ sign -0.032+/-0.059 χ^2/NDF: 32.3/26

All: -0.023+/-0.040 χ^2/NDF: 72.9/55

- sign -0.016+/-0.055 χ^2/NDF: 40.6/28



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 347.745+/-0.088 χ^2/NDF:1397144.0/10

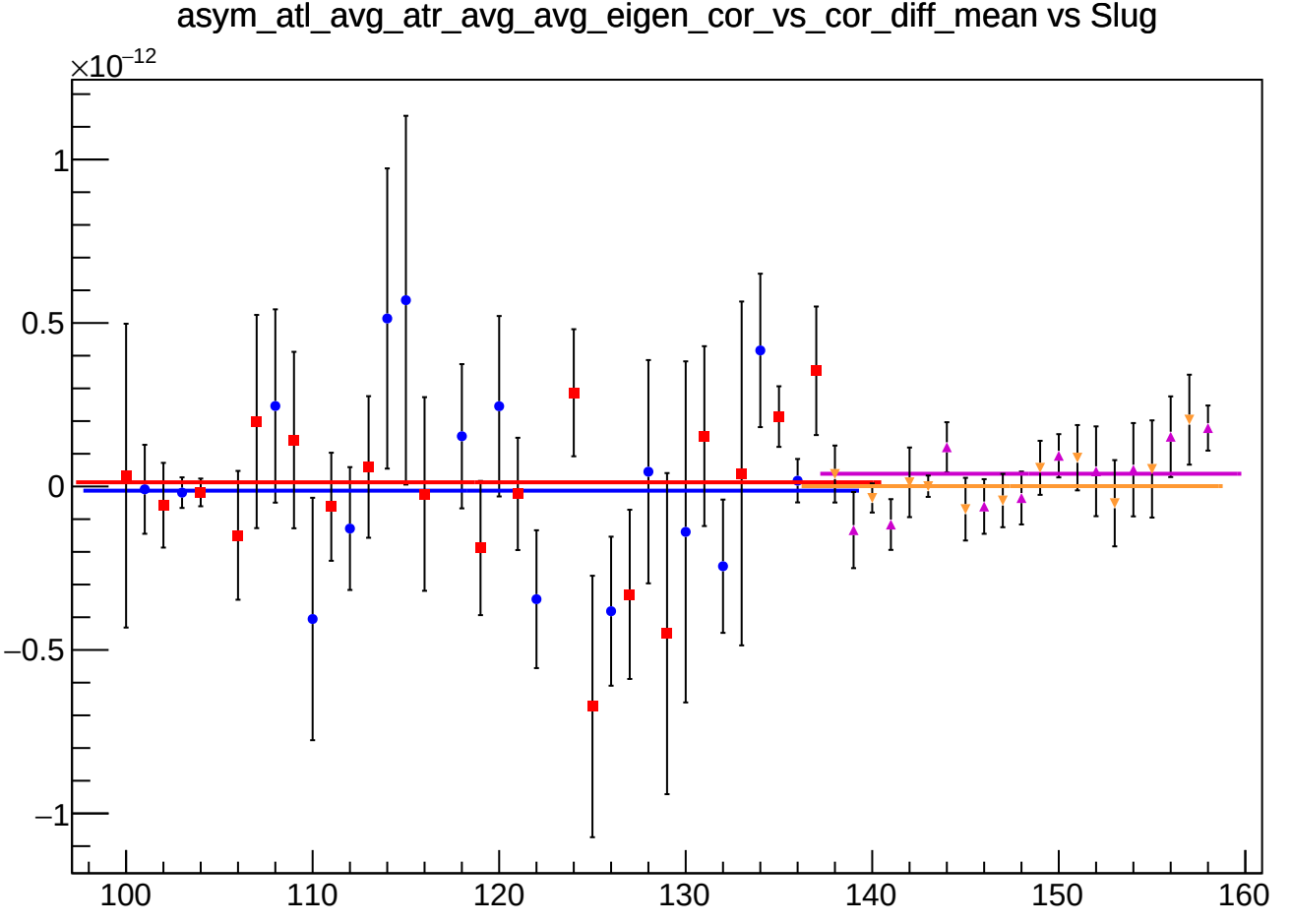
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 319.017+/-0.078 χ^2/NDF:471468.8/9

+ sign 206.708+/-0.042 χ^2/NDF: 5967259.3/26

All: 199.767+/-0.029 χ^2/NDF: 12218893.9/55

- sign 193.605+/-0.039 χ^2/NDF: 6199094.6/28



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.4/10

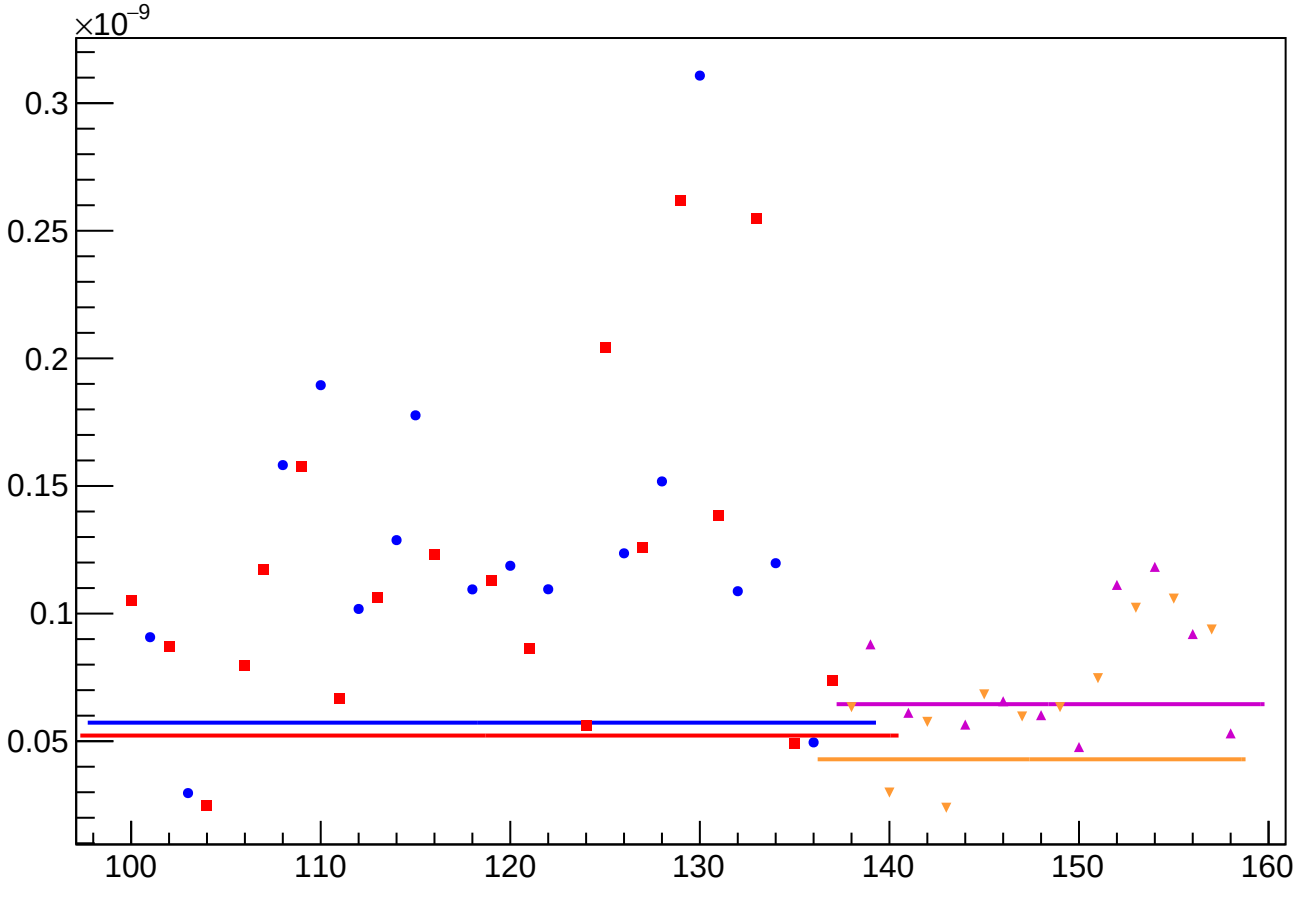
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:15.2/9

+ sign -0.000+/-0.000 χ^2/NDF: 21.6/26

All: 0.000+/-0.000 χ^2/NDF: 57.4/55

- sign 0.000+/-0.000 χ^2/NDF: 34.5/28



Right In: 0.000+/-0.000 χ^2/NDF: 2983121.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2583483.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

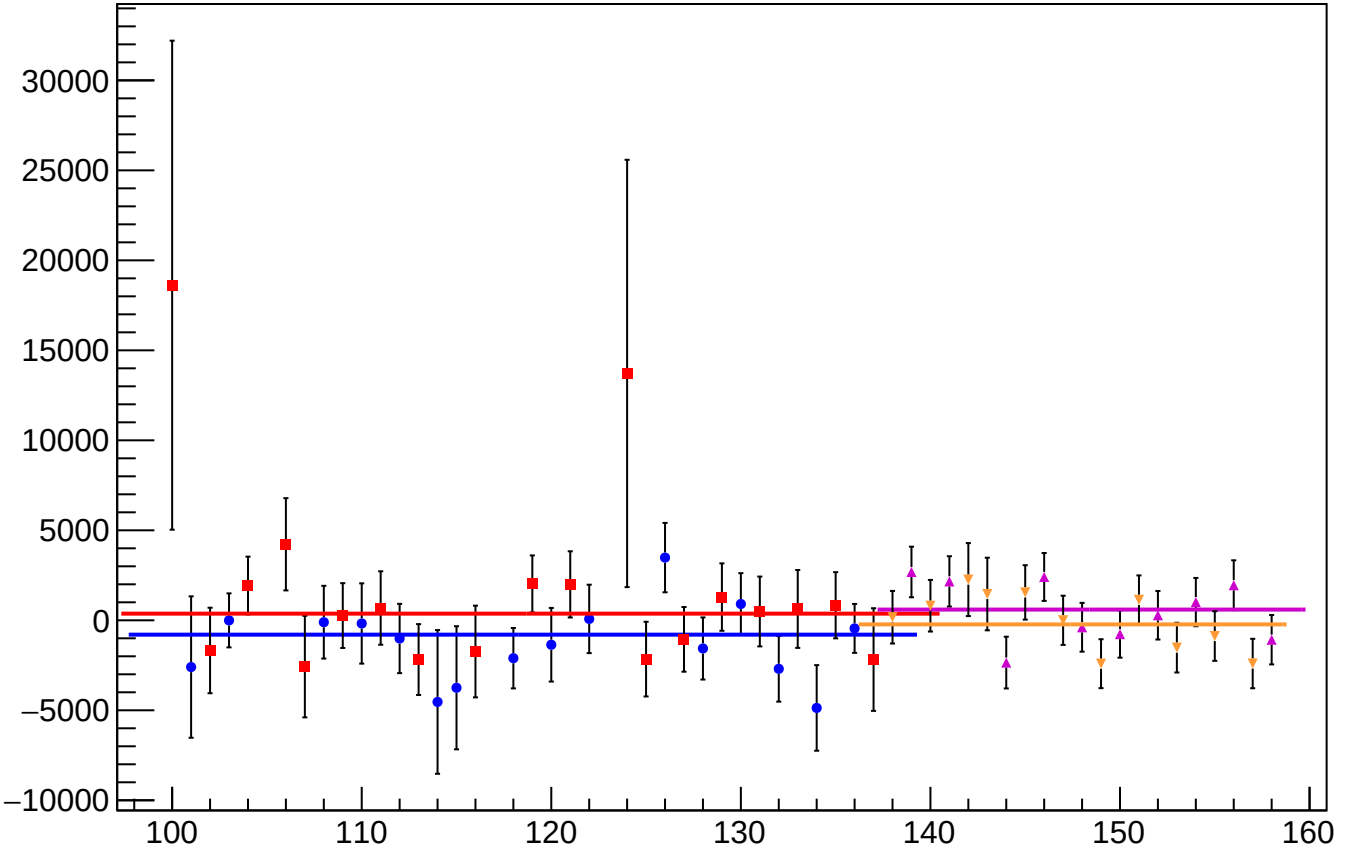
Left In: 0.000+/-0.000 χ^2/NDF:911917.0/9

+ sign 0.000+/-0.000 χ^2/NDF: 5838757.2/26

All: 0.000+/-0.000 χ^2/NDF: 10612769.4/55

- sign 0.000+/-0.000 χ^2/NDF: 4372135.8/28

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: -227.456+/-443.615 χ^2/NDF:11.4/10

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

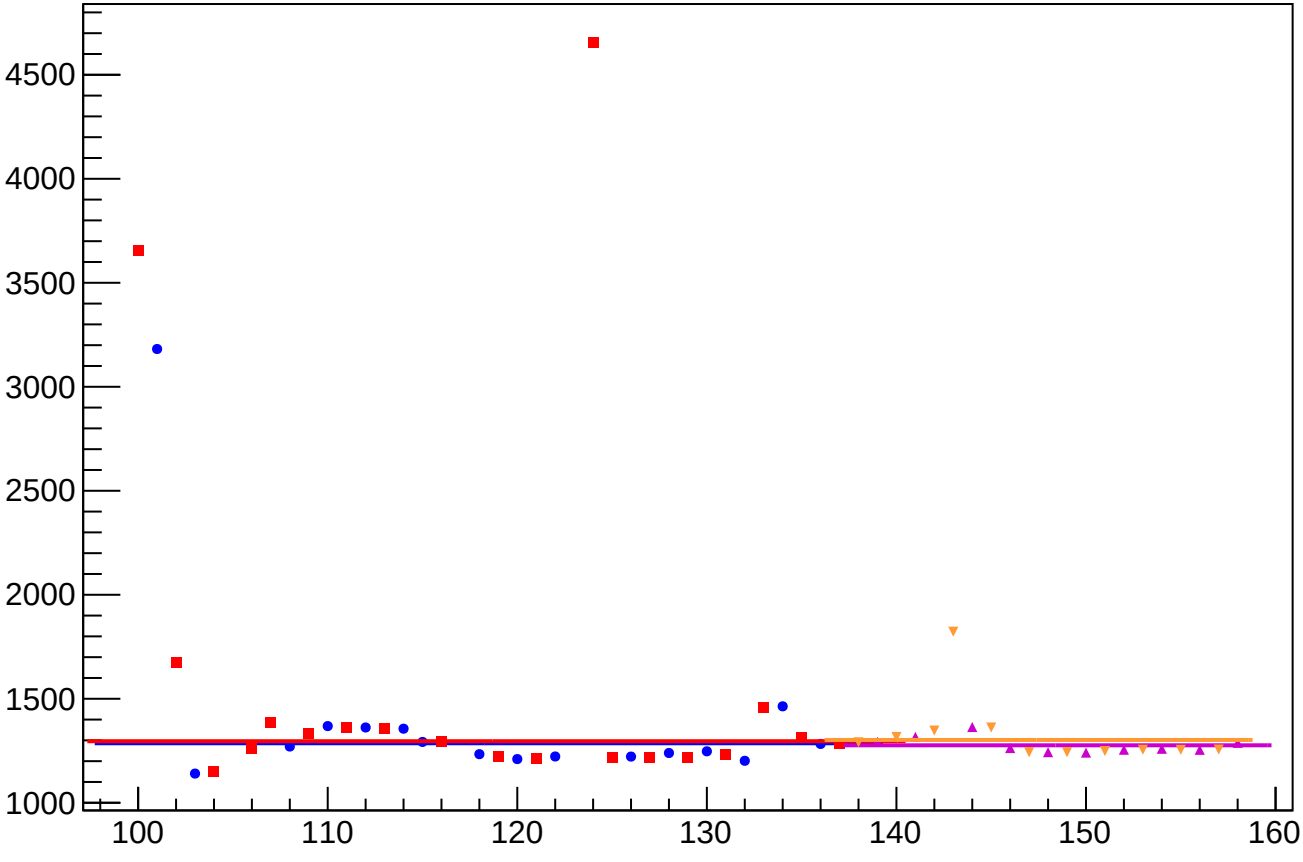
Left In: 596.013+/-432.267 χ^2/NDF:13.7/9

+ sign -485.601+/-328.089 χ^2/NDF: 25.6/26

All: 13.039+/-230.152 χ^2/NDF: 59.6/55

- sign 496.151+/-322.941 χ^2/NDF: 29.4/28

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1301.996+/-0.314 χ^2/NDF:155112.0/10

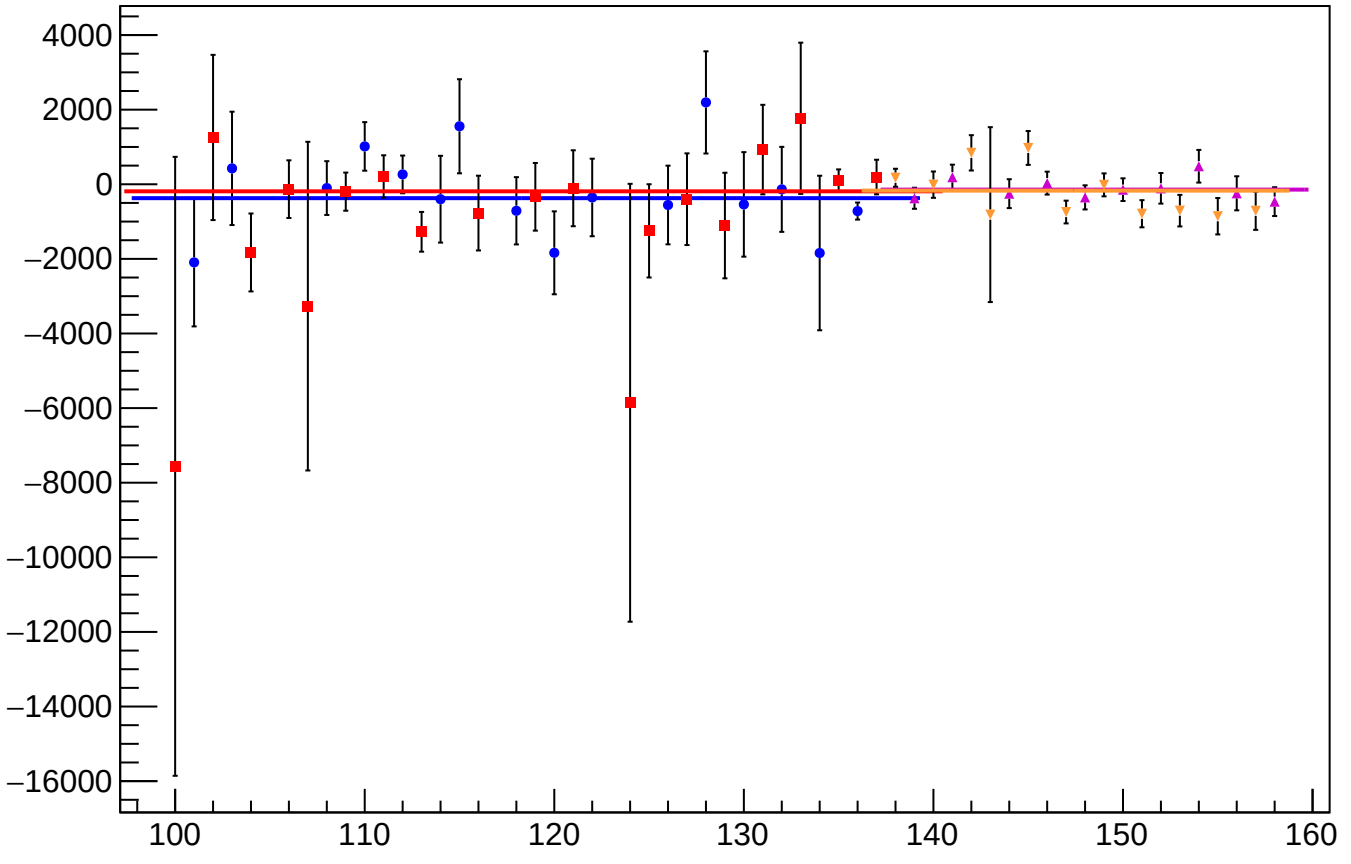
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1276.299+/-0.306 χ^2/NDF:13697.3/9

+ sign 1294.794+/-0.232 χ^2/NDF: 674402.8/26

All: 1289.809+/-0.163 χ^2/NDF: 1018903.9/55

- sign 1284.979+/-0.228 χ^2/NDF: 343592.2/28



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -170.354+/-113.850 χ^2/NDF:24.6/10

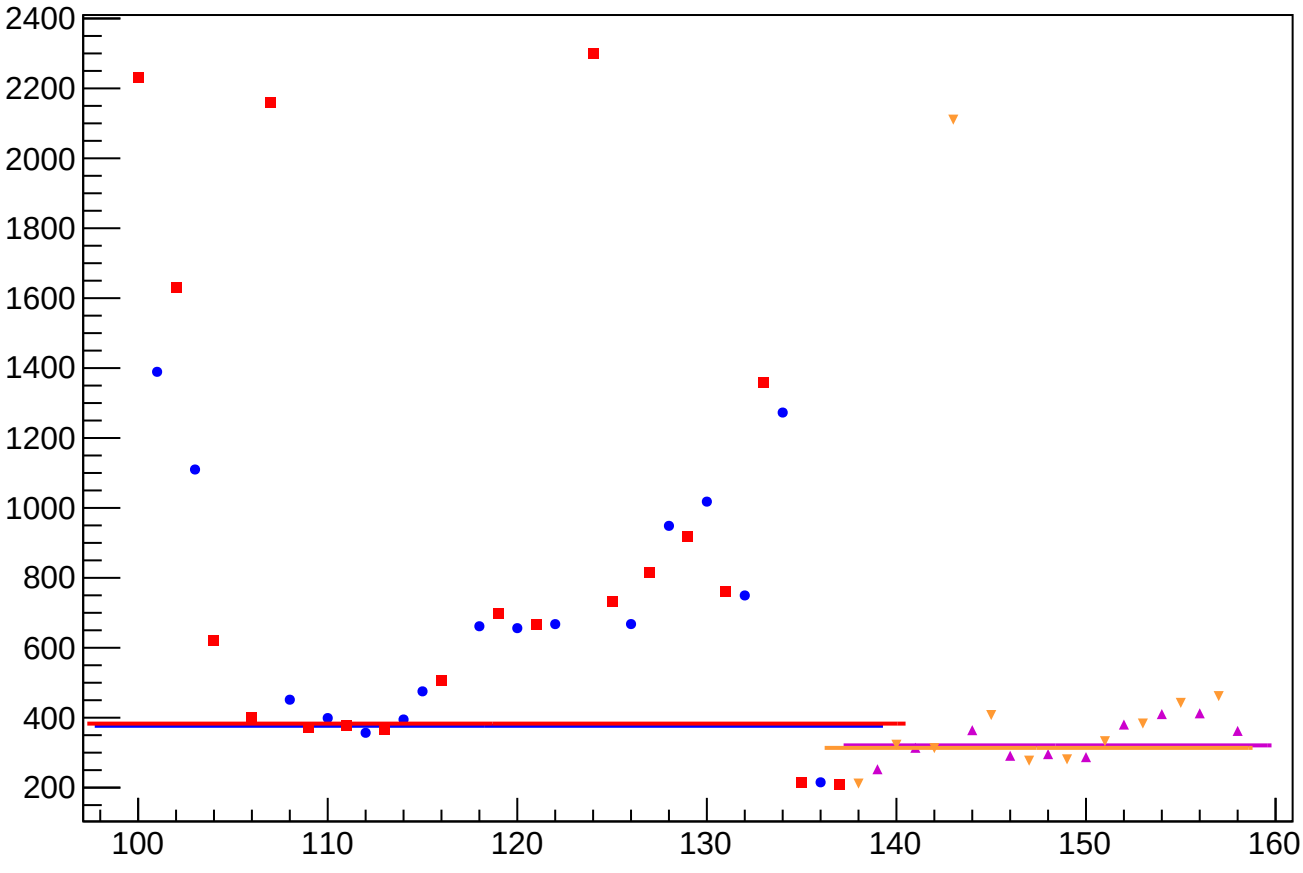
Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: -143.110+/-110.579 χ^2/NDF:5.3/9

+ sign -233.812+/-94.283 χ^2/NDF: 43.8/26

All: -194.616+/-66.074 χ^2/NDF: 64.1/55

- sign -156.786+/-92.626 χ^2/NDF: 20.0/28



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 313.671+/-0.081 χ^2/NDF:2037953.1/10

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

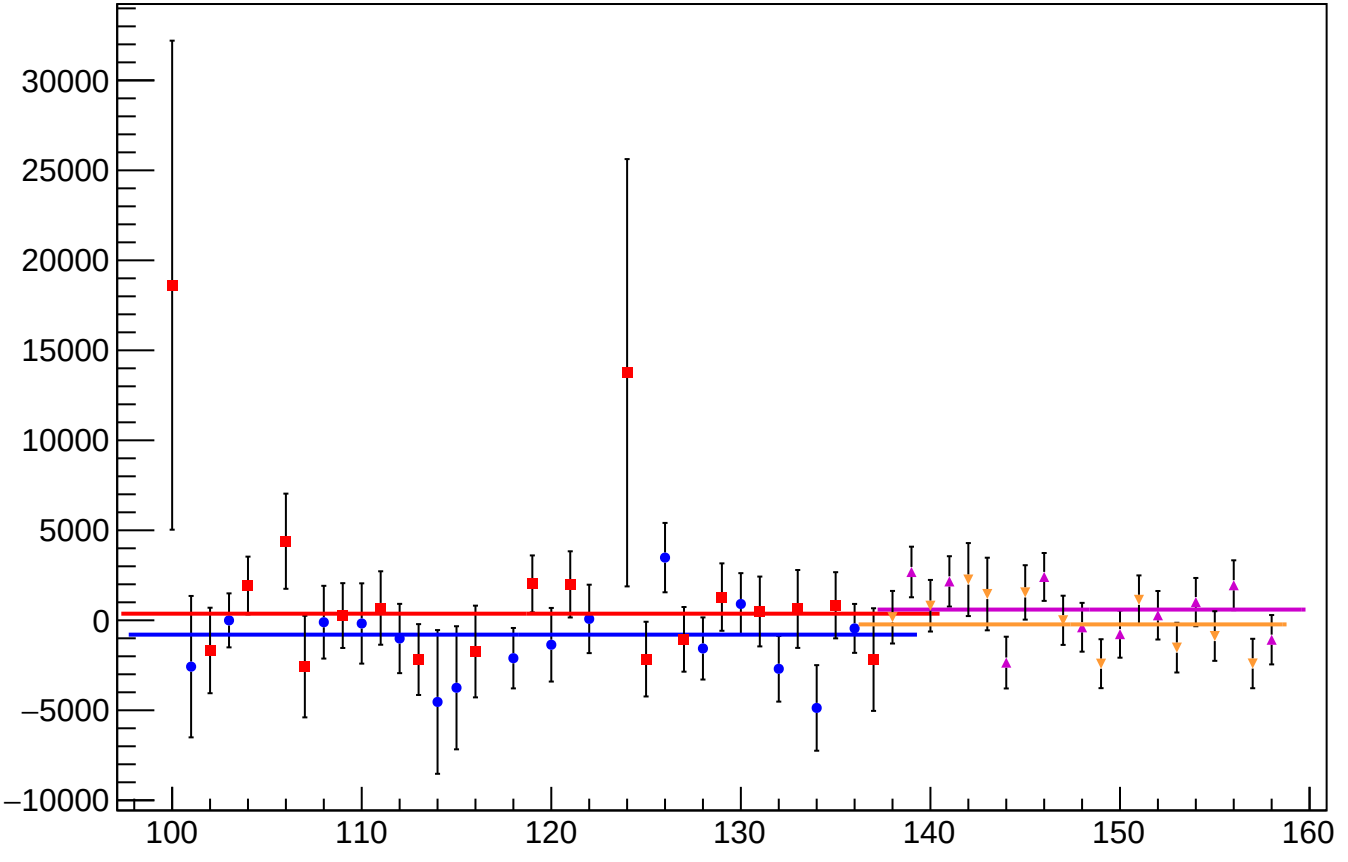
Left In: 320.794+/-0.078 χ^2/NDF:427716.1/9

+ sign 333.535+/-0.067 χ^2/NDF: 6421919.1/26

All: 336.507+/-0.047 χ^2/NDF: 11096948.7/55

- sign 339.375+/-0.065 χ^2/NDF: 4671124.2/28

cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -227.417+/-443.616 χ^2/NDF:11.4/10

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

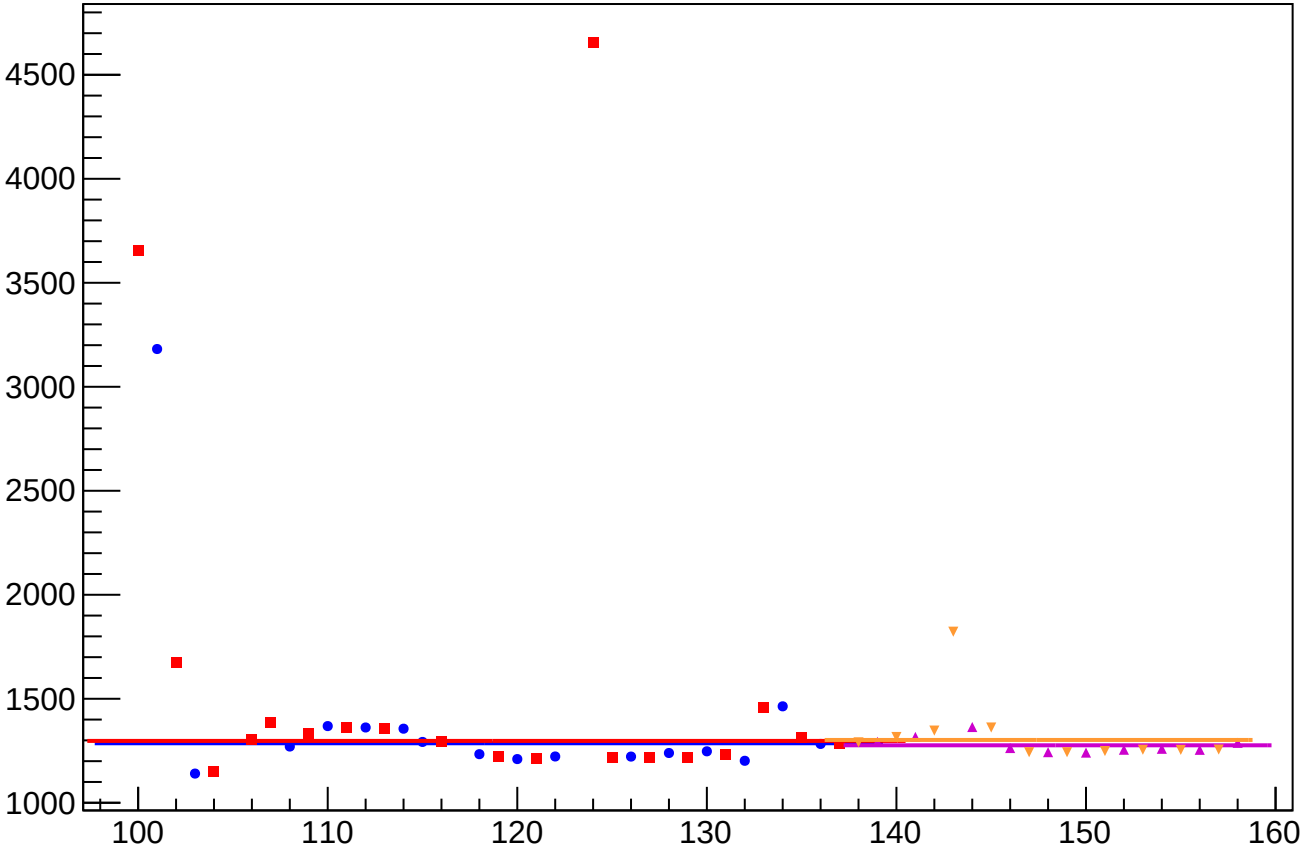
Left In: 595.971+/-432.267 χ^2/NDF:13.7/9

+ sign -485.397+/-328.089 χ^2/NDF: 25.6/26

All: 12.387+/-230.208 χ^2/NDF: 59.6/55

- sign 495.129+/-323.094 χ^2/NDF: 29.5/28

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1301.996+/-0.314 χ^2/NDF:155112.0/10

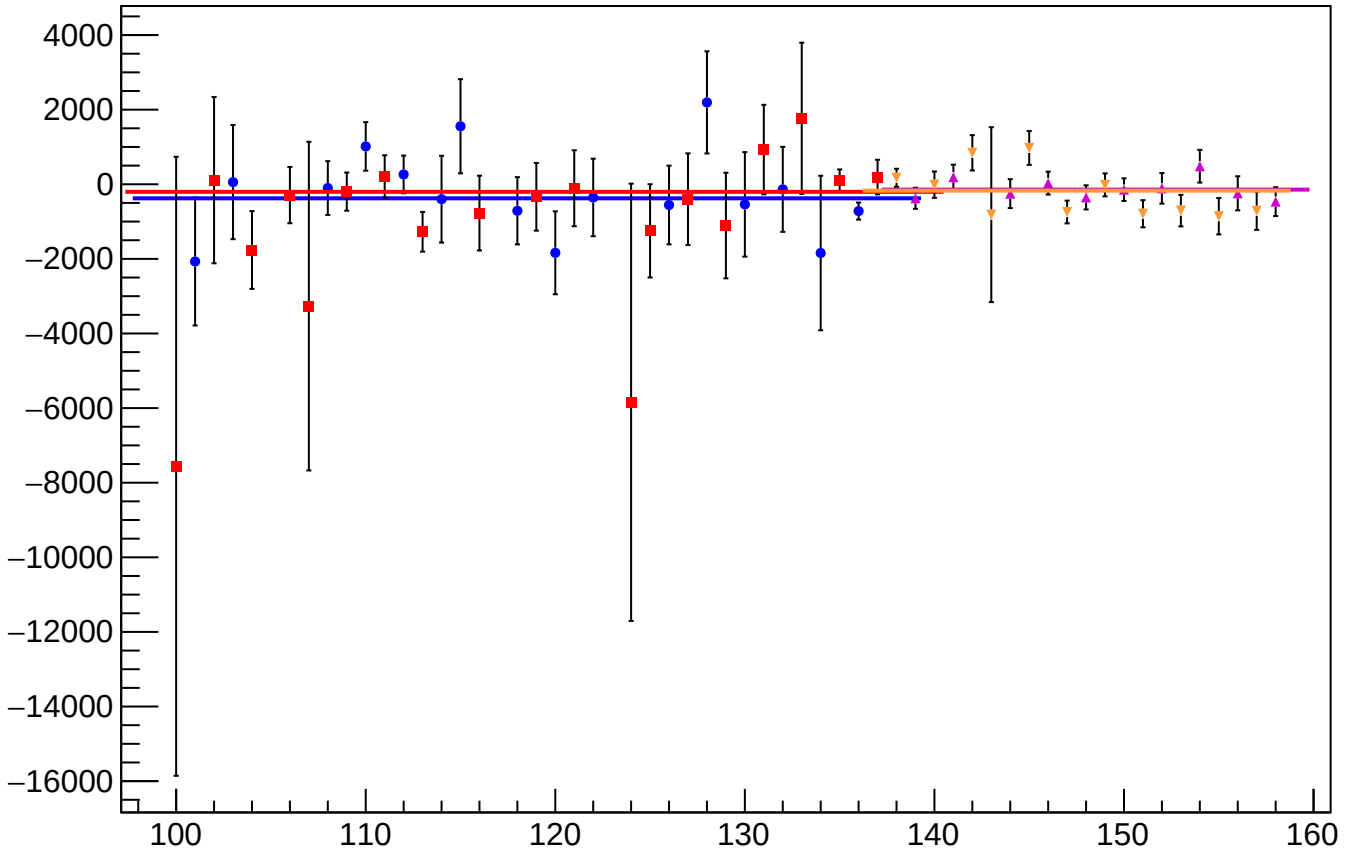
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1276.299+/-0.306 χ^2/NDF:13697.3/9

+ sign 1294.794+/-0.232 χ^2/NDF: 674404.2/26

All: 1290.131+/-0.163 χ^2/NDF: 1018740.9/55

- sign 1285.609+/-0.228 χ^2/NDF: 343541.0/28



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -170.381+/-113.853 χ^2/NDF:24.6/10

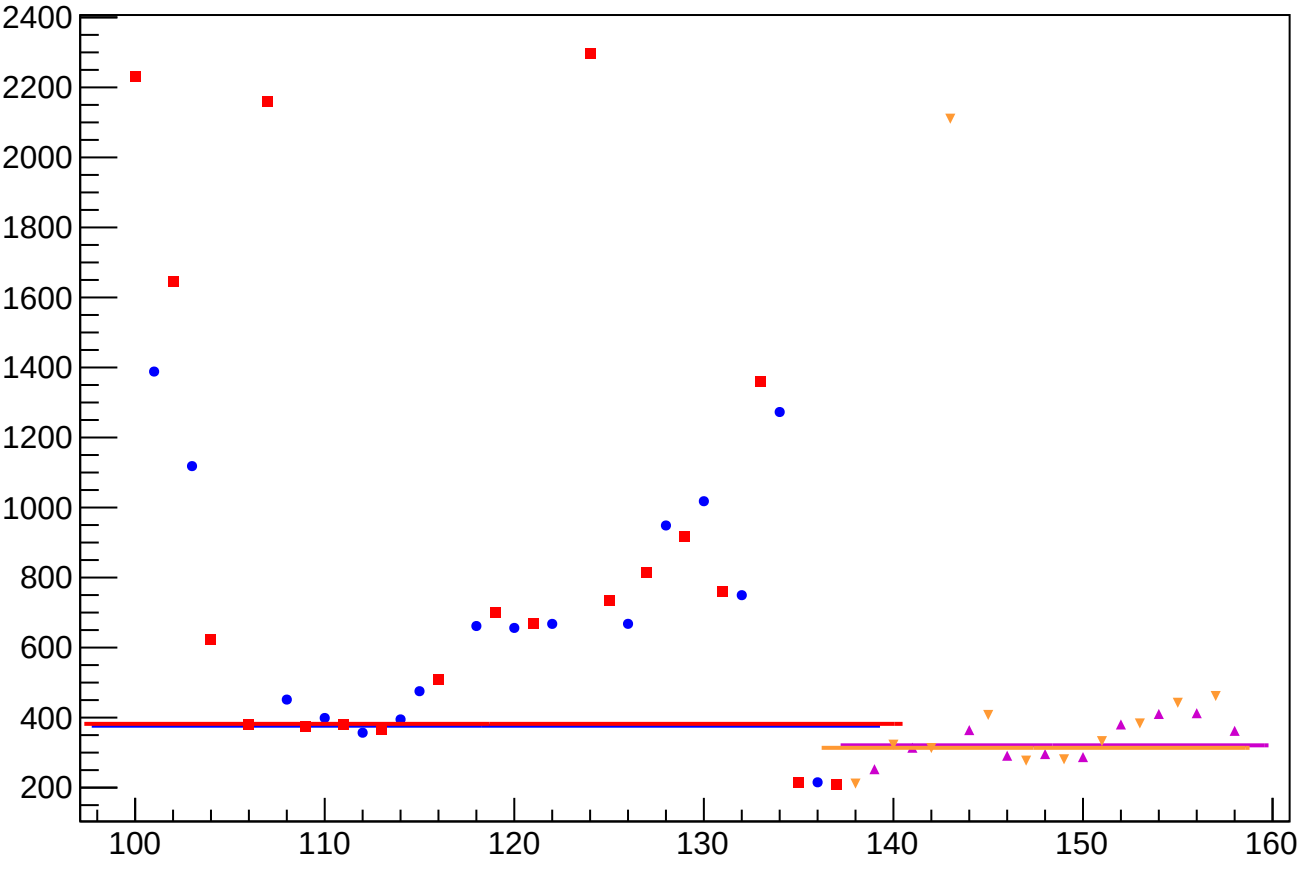
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -143.134+/-110.579 χ^2/NDF:5.3/9

+ sign -235.220+/-94.288 χ^2/NDF: 43.6/26

All: -197.319+/-66.064 χ^2/NDF: 63.3/55

- sign -160.769+/-92.593 χ^2/NDF: 19.4/28



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 313.681+/-0.081 χ^2/NDF:2037877.2/10

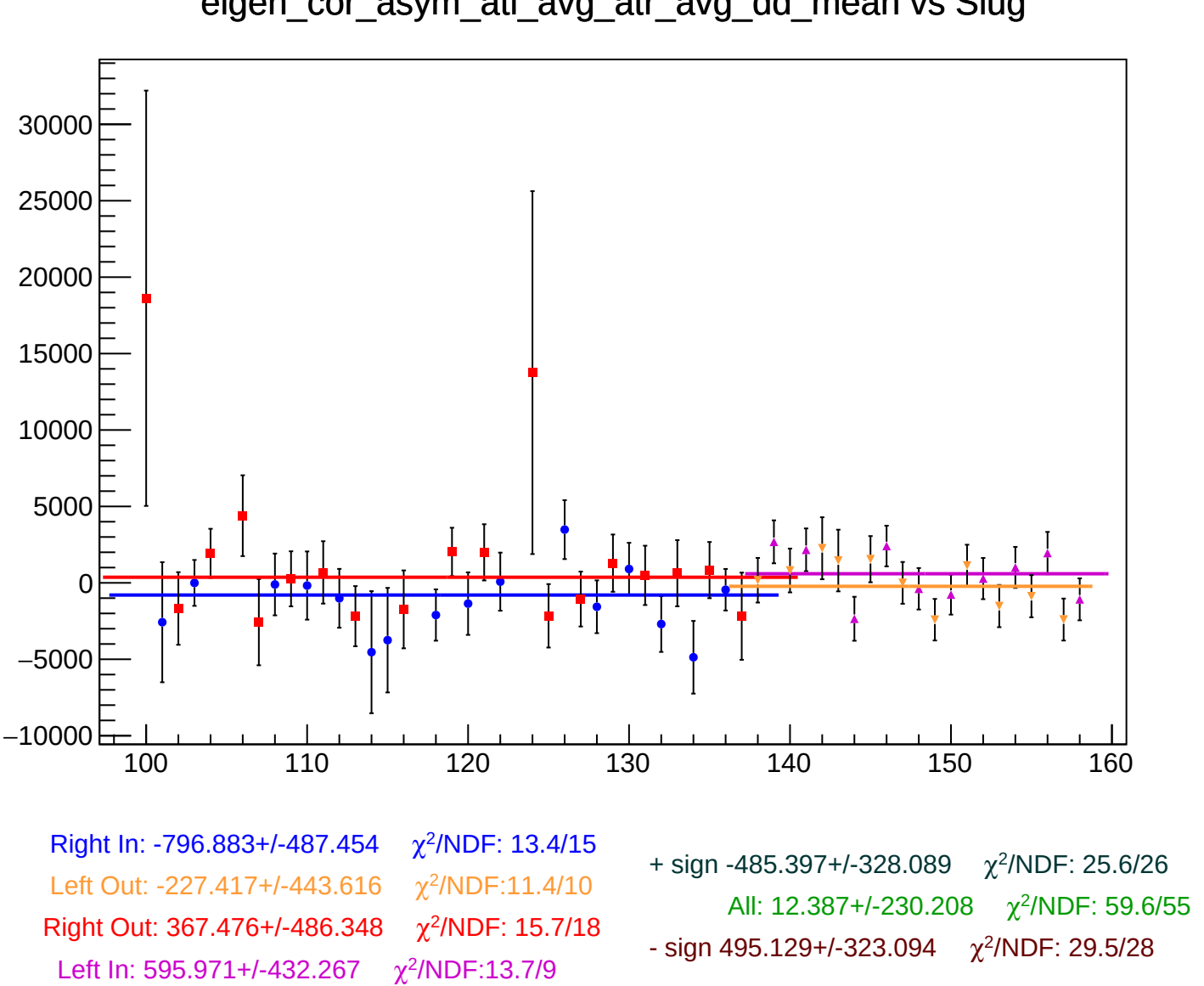
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 320.792+/-0.078 χ^2/NDF:427778.0/9

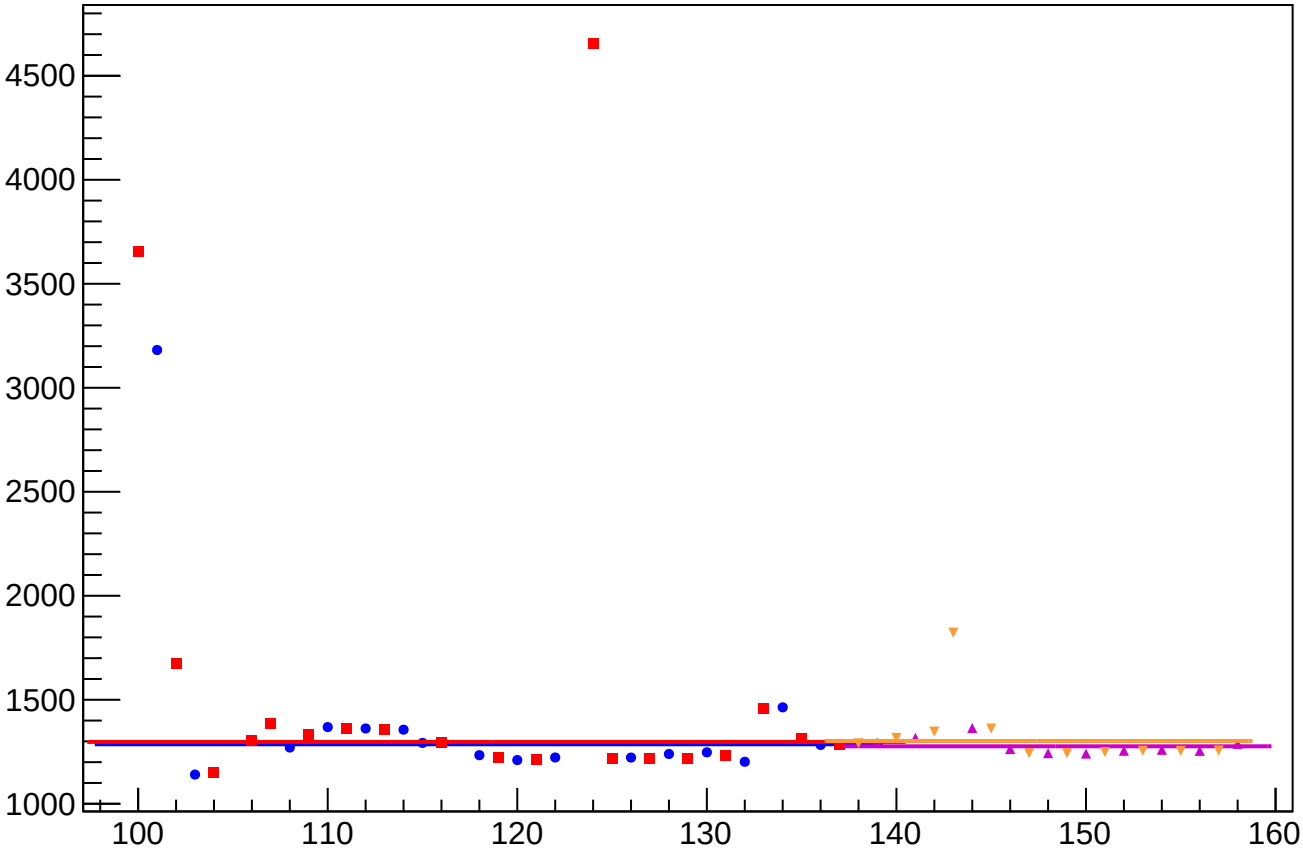
+ sign 333.537+/-0.067 χ^2/NDF: 6424828.5/26

All: 336.381+/-0.047 χ^2/NDF: 11099721.9/55

- sign 339.125+/-0.065 χ^2/NDF: 4671317.3/28


eigen_cor_asym_atl_avg_atr_avg_dd_mean vs Slug
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: -227.417+/-443.616 χ²/NDF:11.4/10
Right Out: 367.476+/-486.348 χ²/NDF: 15.7/18
Left In: 595.971+/-432.267 χ²/NDF:13.7/9
+ sign -485.397+/-328.089 χ²/NDF: 25.6/26
All: 12.387+/-230.208 χ²/NDF: 59.6/55
- sign 495.129+/-323.094 χ²/NDF: 29.5/28

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1301.996+/-0.314 χ^2/NDF:155112.0/10

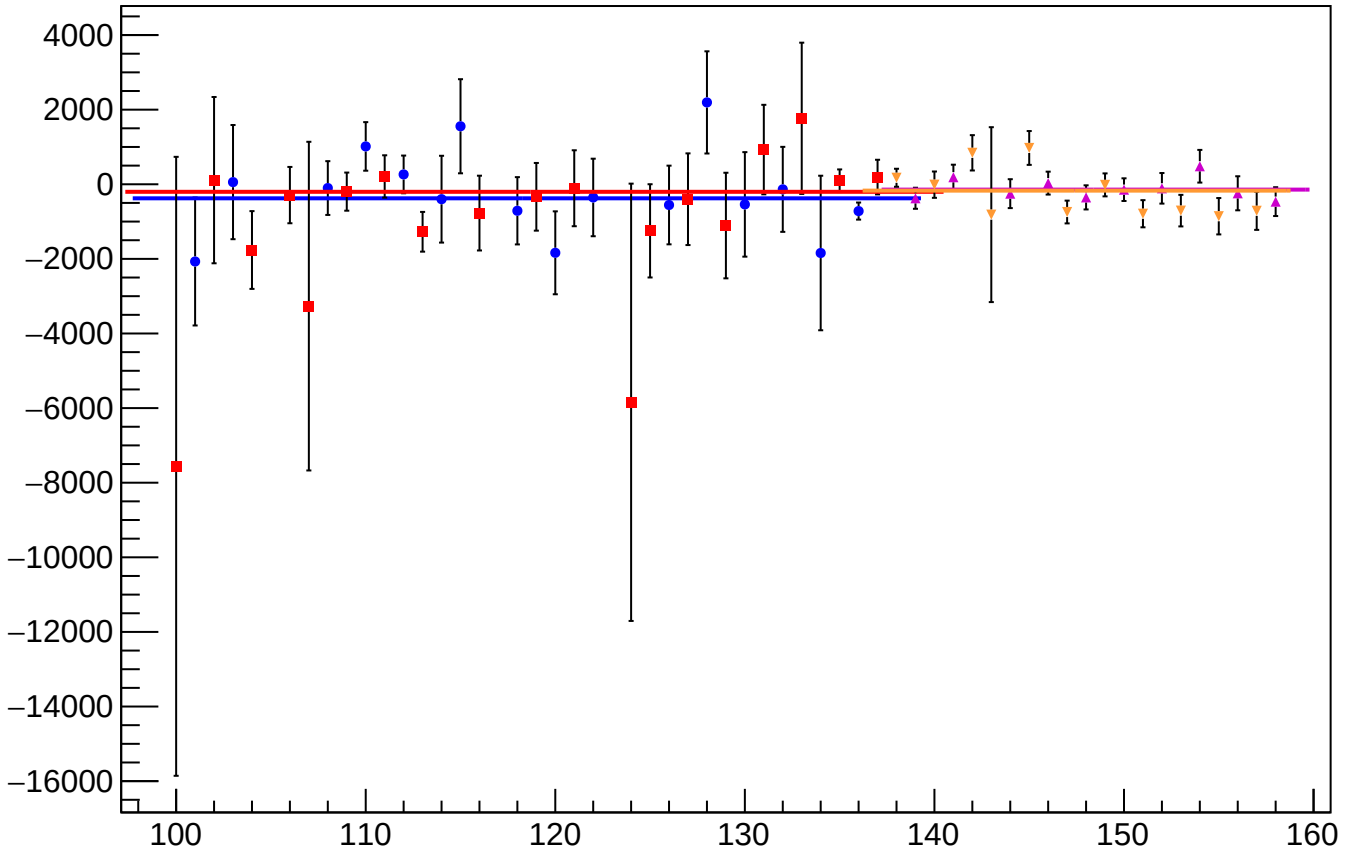
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1276.299+/-0.306 χ^2/NDF:13697.3/9

+ sign 1294.794+/-0.232 χ^2/NDF: 674404.2/26

All: 1290.131+/-0.163 χ^2/NDF: 1018740.9/55

- sign 1285.609+/-0.228 χ^2/NDF: 343541.0/28



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -170.381+/-113.853 χ^2/NDF:24.6/10

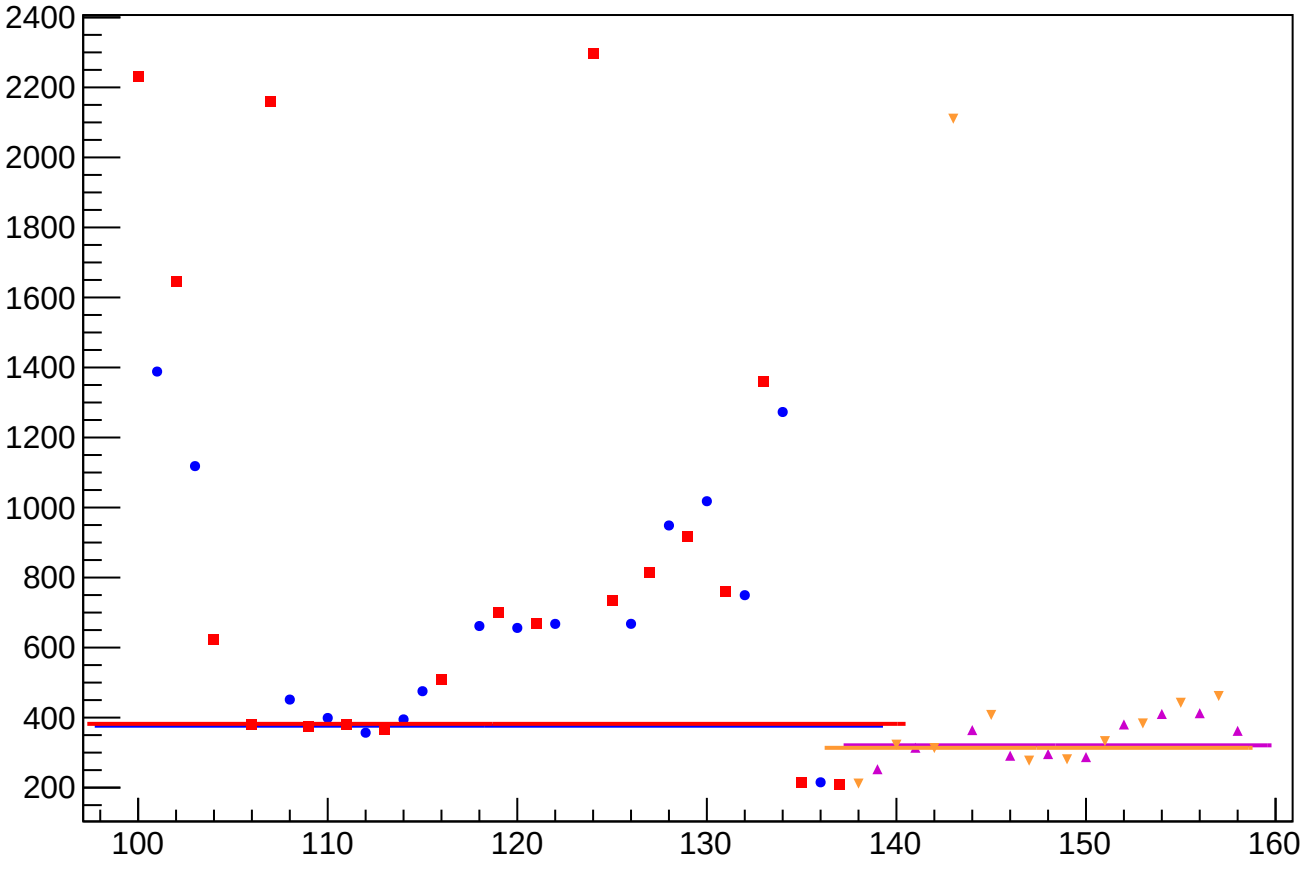
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -143.134+/-110.579 χ^2/NDF:5.3/9

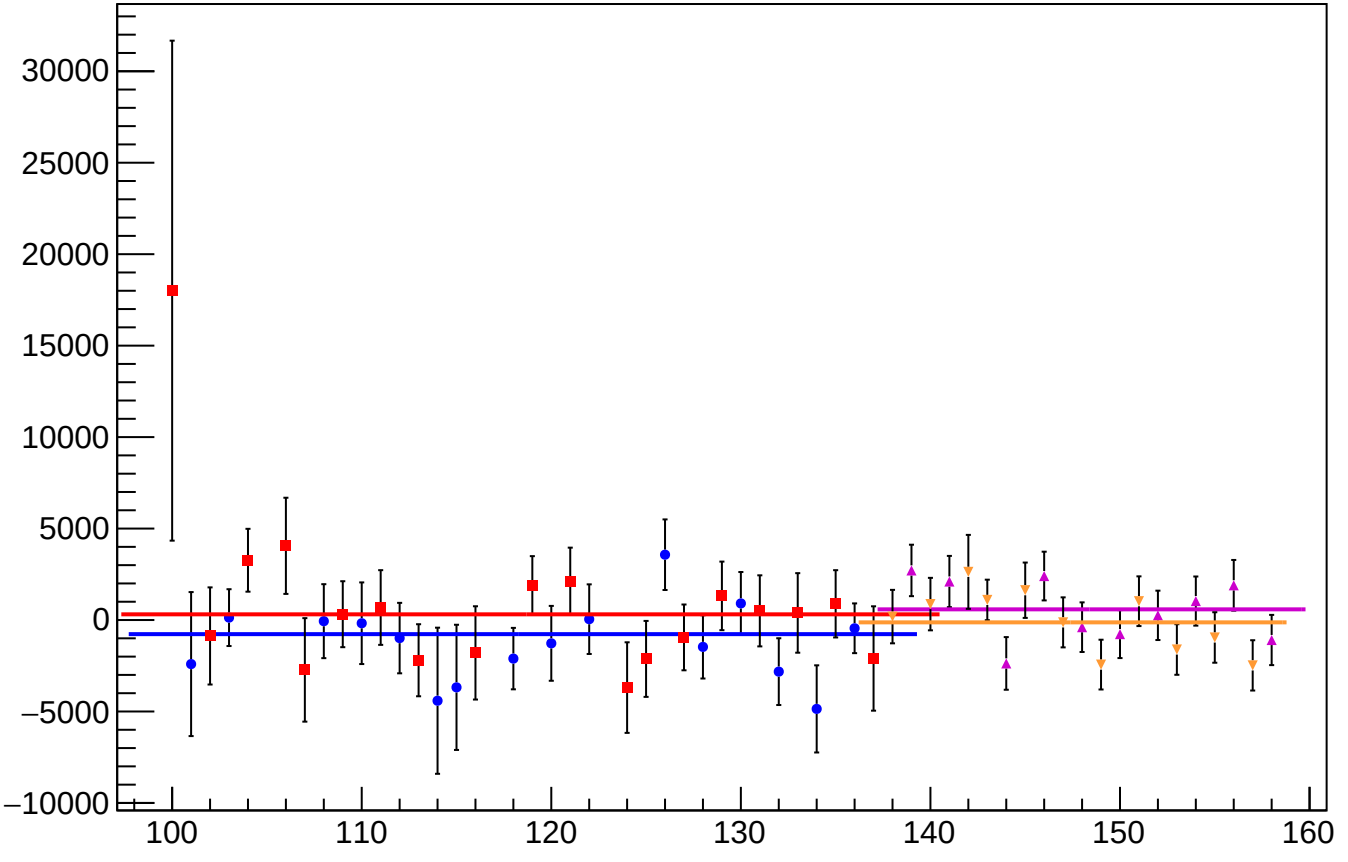
+ sign -235.220+/-94.288 χ^2/NDF: 43.6/26

All: -197.319+/-66.064 χ^2/NDF: 63.3/55

- sign -160.769+/-92.593 χ^2/NDF: 19.4/28


asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs Slug
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
Right In: 376.884+/-0.119 χ²/NDF: 4193328.0/15
Left Out: 313.681+/-0.081 χ²/NDF:2037877.2/10
Right Out: 382.136+/-0.120 χ²/NDF: 4059600.2/18
Left In: 320.792+/-0.078 χ²/NDF:427778.0/9
+ sign 333.537+/-0.067 χ²/NDF: 6424828.5/26
All: 336.381+/-0.047 χ²/NDF: 11099721.9/55
- sign 339.125+/-0.065 χ²/NDF: 4671317.3/28

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: -127.600+/-420.856 χ^2/NDF:13.0/10

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

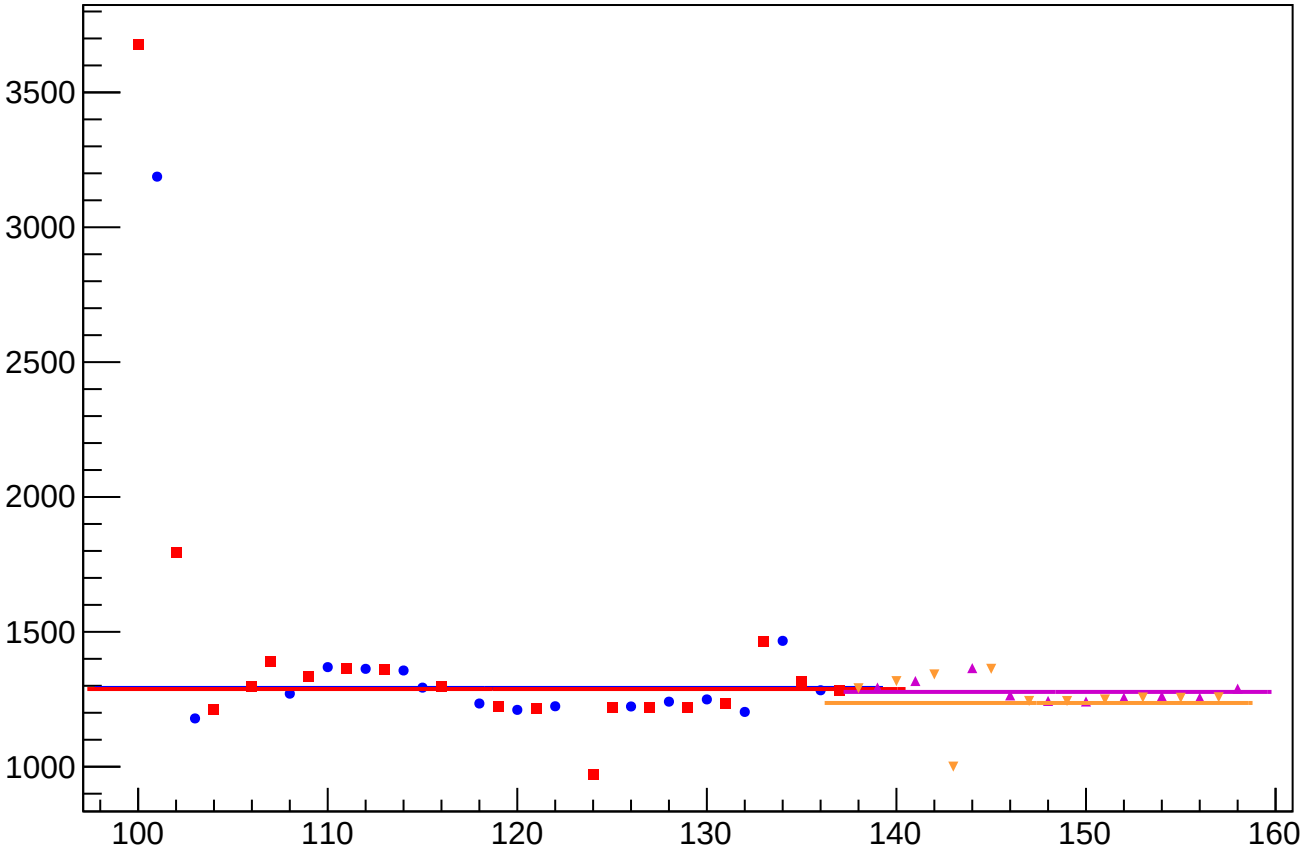
Left In: 583.693+/-432.619 χ^2/NDF:13.7/9

+ sign -401.206+/-319.152 χ^2/NDF: 27.6/26

All: 26.560+/-226.726 χ^2/NDF: 63.0/55

- sign 462.392+/-322.147 χ^2/NDF: 31.8/28

dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1236.380+/-0.298 χ^2/NDF:121113.6/10

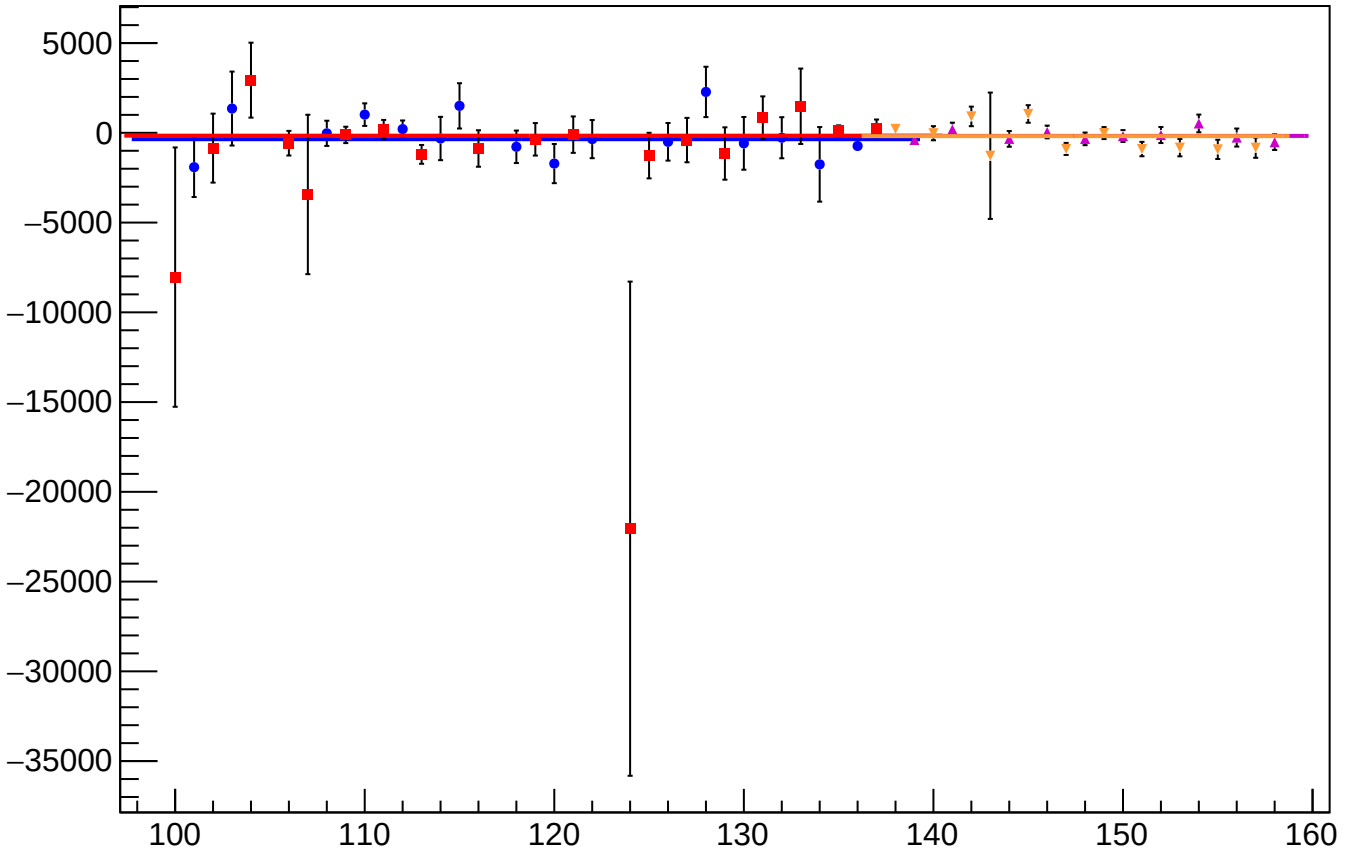
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1277.334+/-0.306 χ^2/NDF:13763.5/9

+ sign 1260.030+/-0.226 χ^2/NDF: 645383.5/26

All: 1270.953+/-0.160 χ^2/NDF: 873625.2/55

- sign 1282.081+/-0.228 χ^2/NDF: 223512.7/28



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -185.017+/-123.207 χ^2/NDF:26.4/10

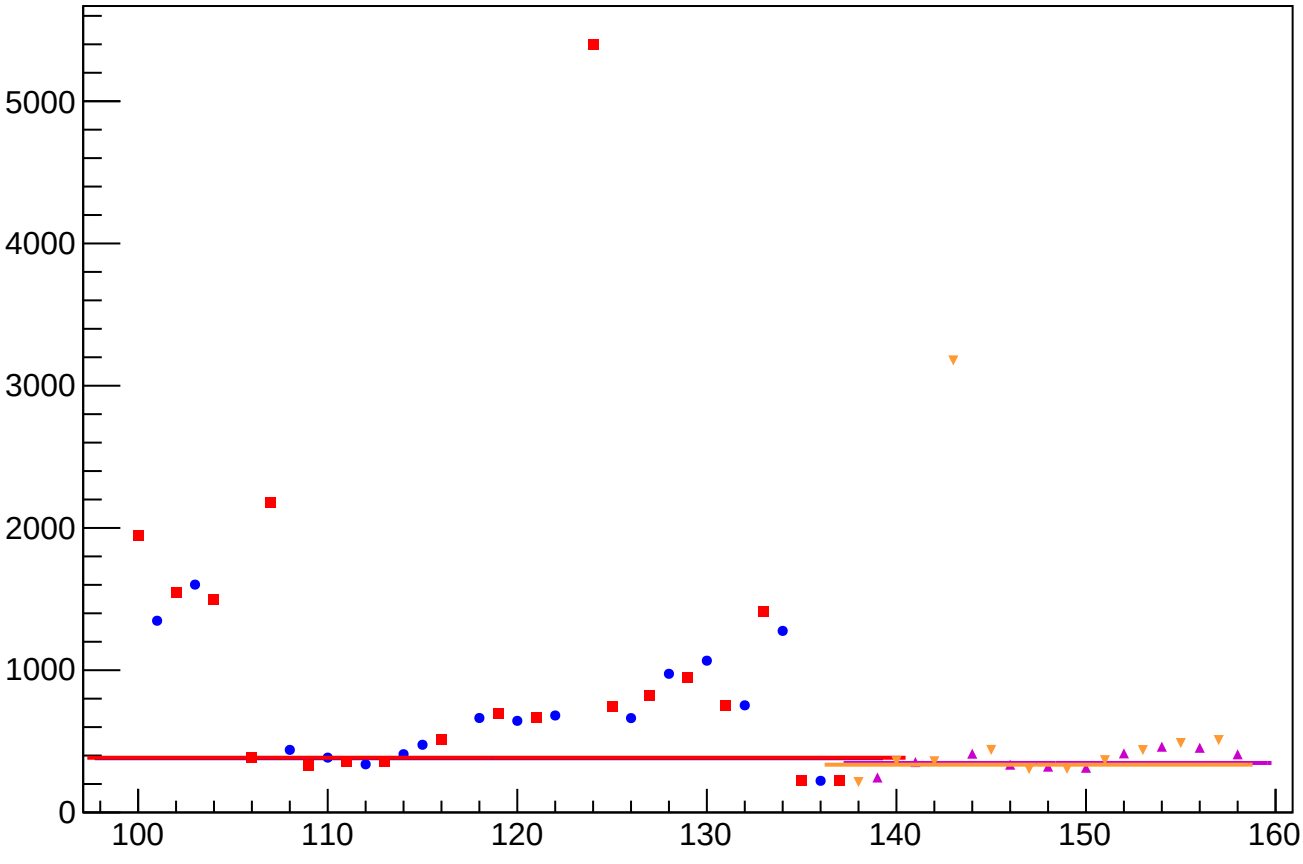
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -171.795+/-120.669 χ^2/NDF:5.0/9

+ sign -243.645+/-99.756 χ^2/NDF: 45.5/26

All: -204.841+/-70.030 χ^2/NDF: 66.6/55

- sign -167.135+/-98.335 χ^2/NDF: 20.8/28



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 335.838+/-0.087 χ^2/NDF:2392370.7/10

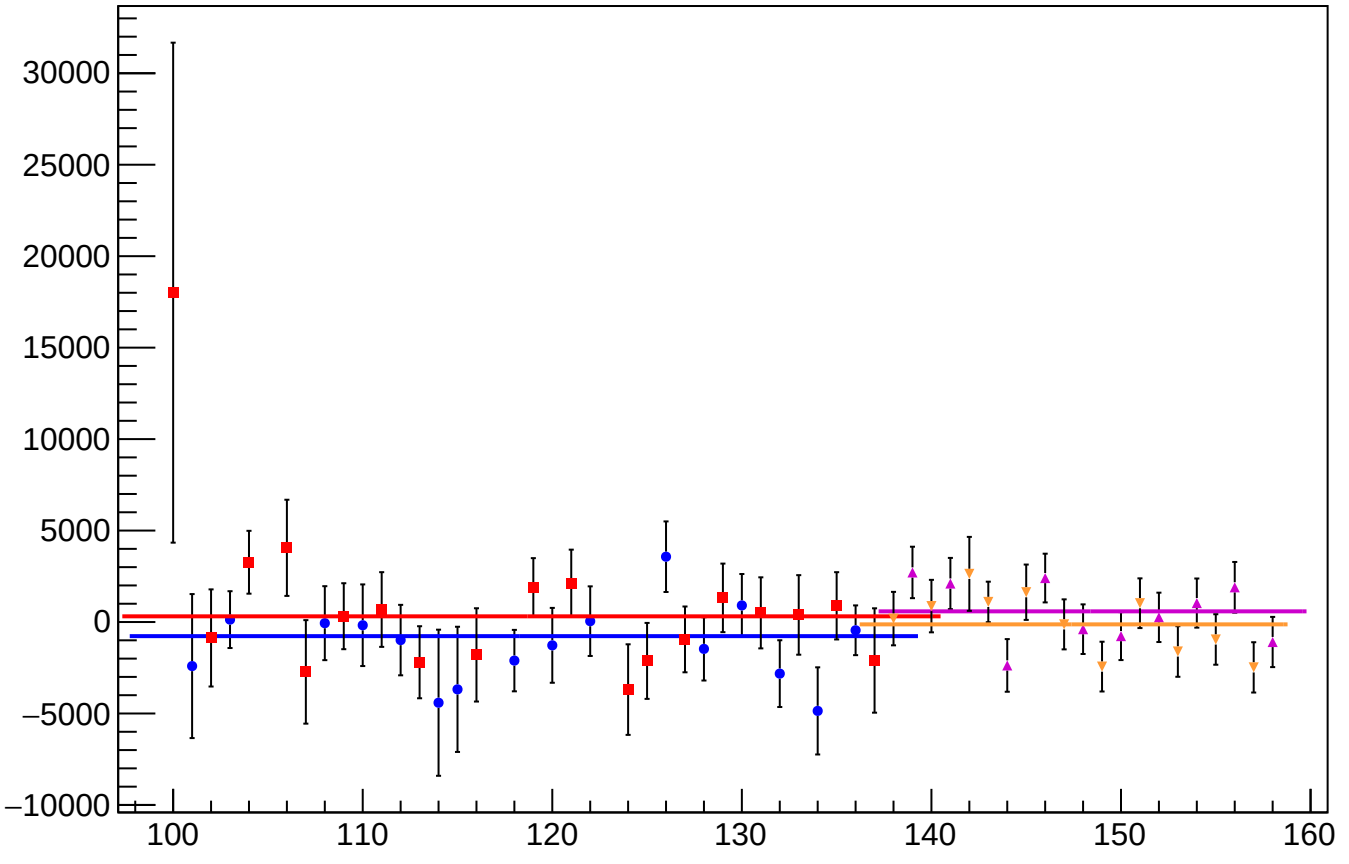
Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 347.930+/-0.085 χ^2/NDF:632733.1/9

+ sign 351.514+/-0.071 χ^2/NDF: 6804292.7/26

All: 355.952+/-0.050 χ^2/NDF: 12067253.9/55

- sign 360.265+/-0.070 χ^2/NDF: 5255155.2/28



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: -127.599+/-420.856 χ^2/NDF:13.0/10

Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

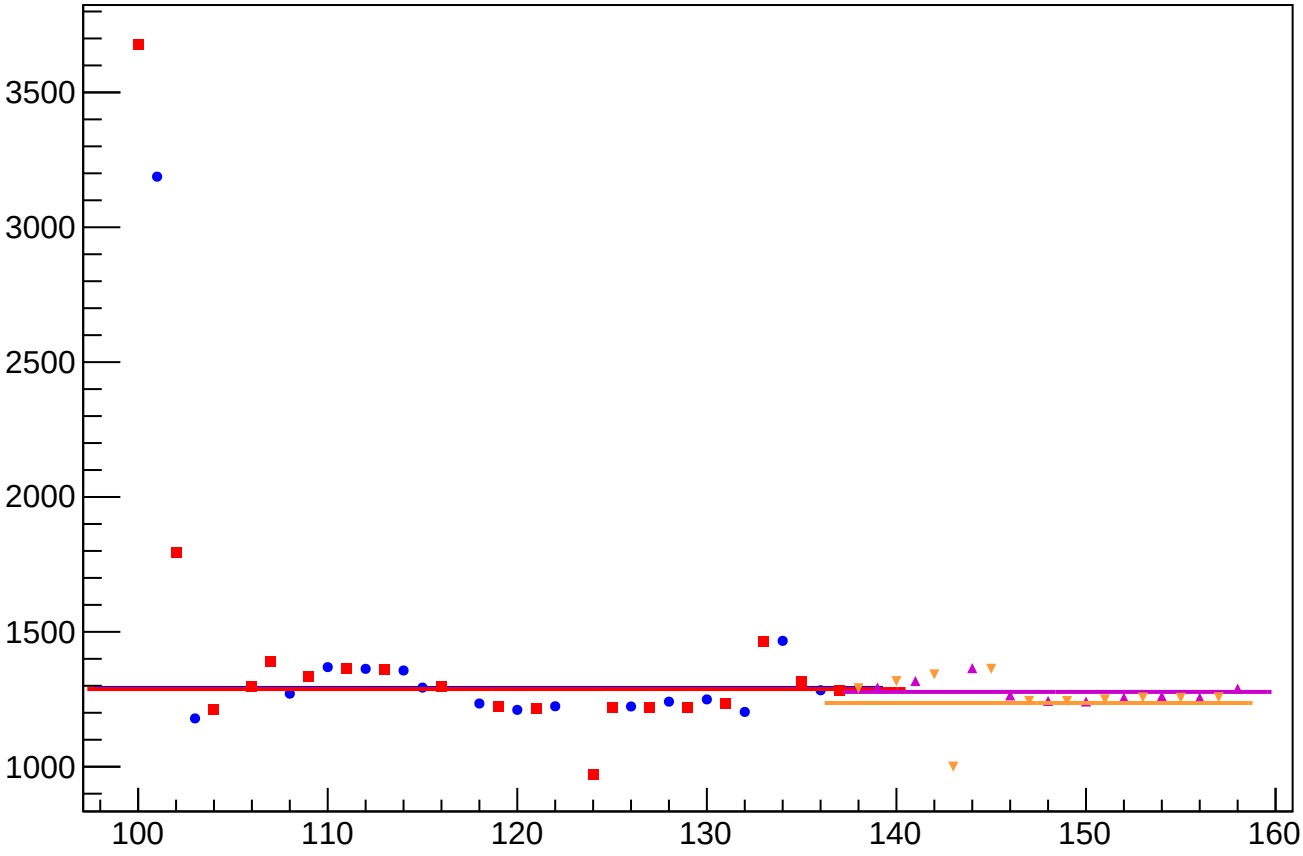
Left In: 583.690+/-432.619 χ^2/NDF:13.7/9

+ sign -401.207+/-319.152 χ^2/NDF: 27.6/26

All: 26.560+/-226.726 χ^2/NDF: 63.0/55

- sign 462.391+/-322.147 χ^2/NDF: 31.8/28

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1236.380+/-0.298 χ^2/NDF:121112.8/10

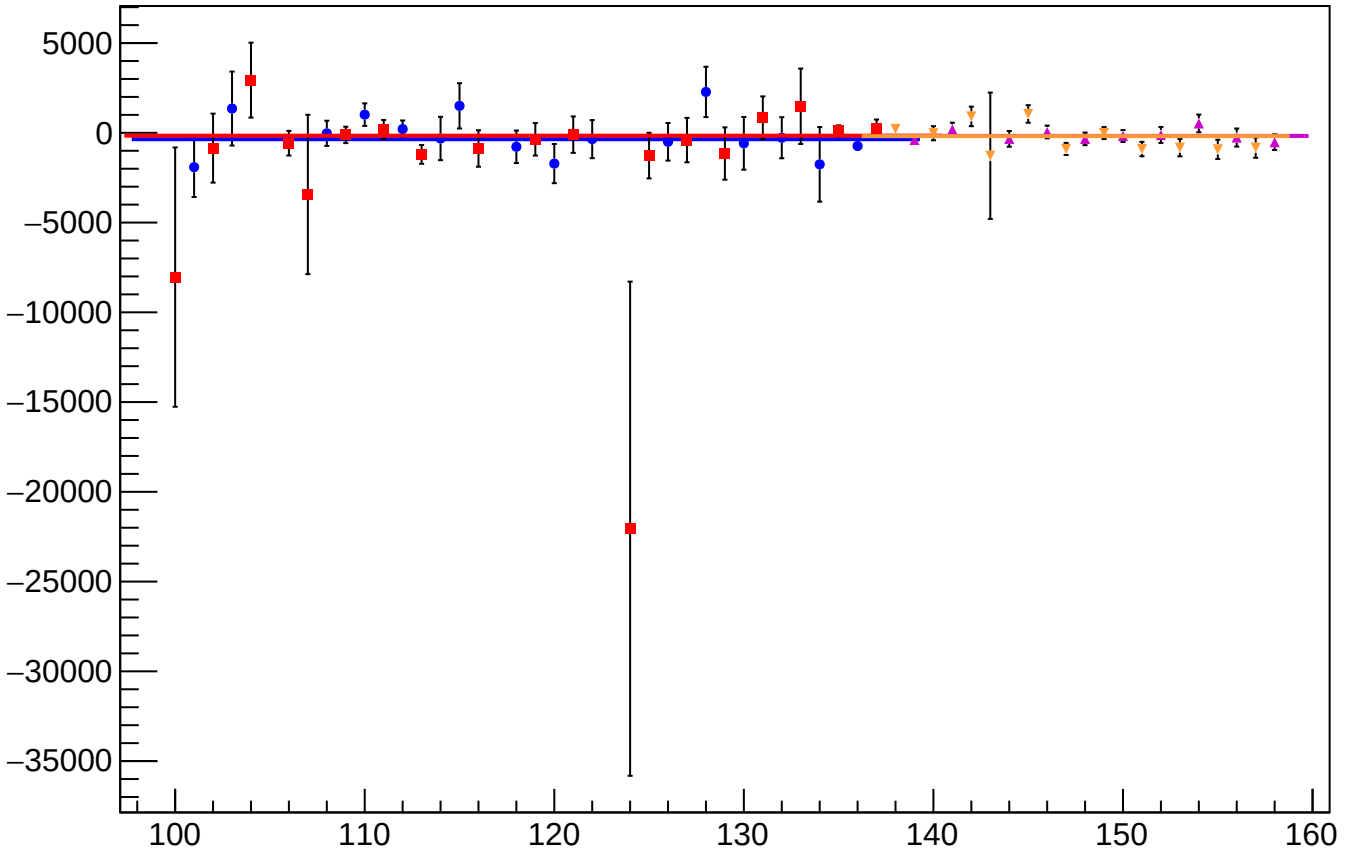
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1277.334+/-0.306 χ^2/NDF:13763.5/9

+ sign 1260.030+/-0.226 χ^2/NDF: 645382.6/26

All: 1270.953+/-0.160 χ^2/NDF: 873624.5/55

- sign 1282.081+/-0.228 χ^2/NDF: 223513.0/28



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -185.027+/-123.209 χ^2/NDF:26.4/10

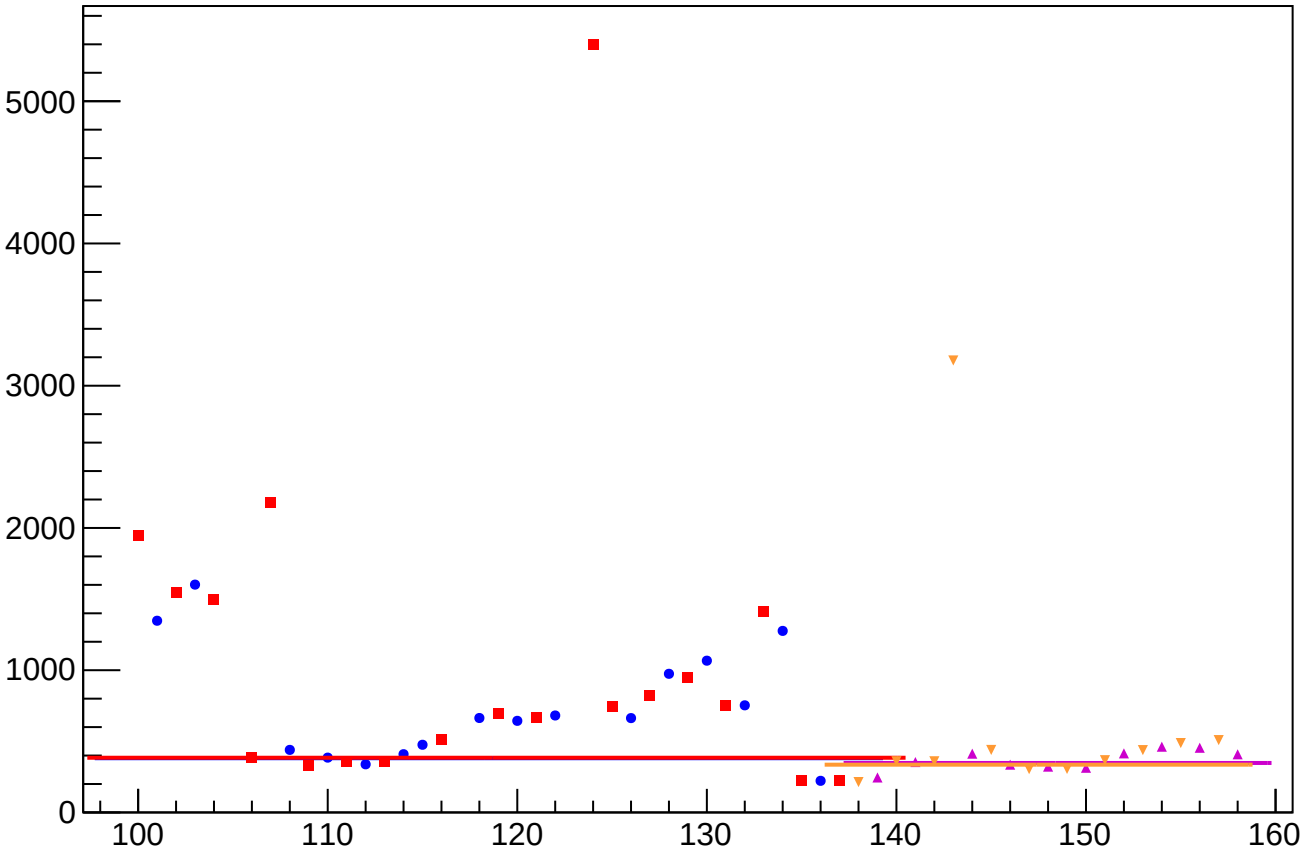
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -171.796+/-120.670 χ^2/NDF:5.0/9

+ sign -243.652+/-99.757 χ^2/NDF: 45.5/26

All: -204.846+/-70.031 χ^2/NDF: 66.6/55

- sign -167.138+/-98.336 χ^2/NDF: 20.8/28



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 335.845+/-0.087 χ^2/NDF:2392215.4/10

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

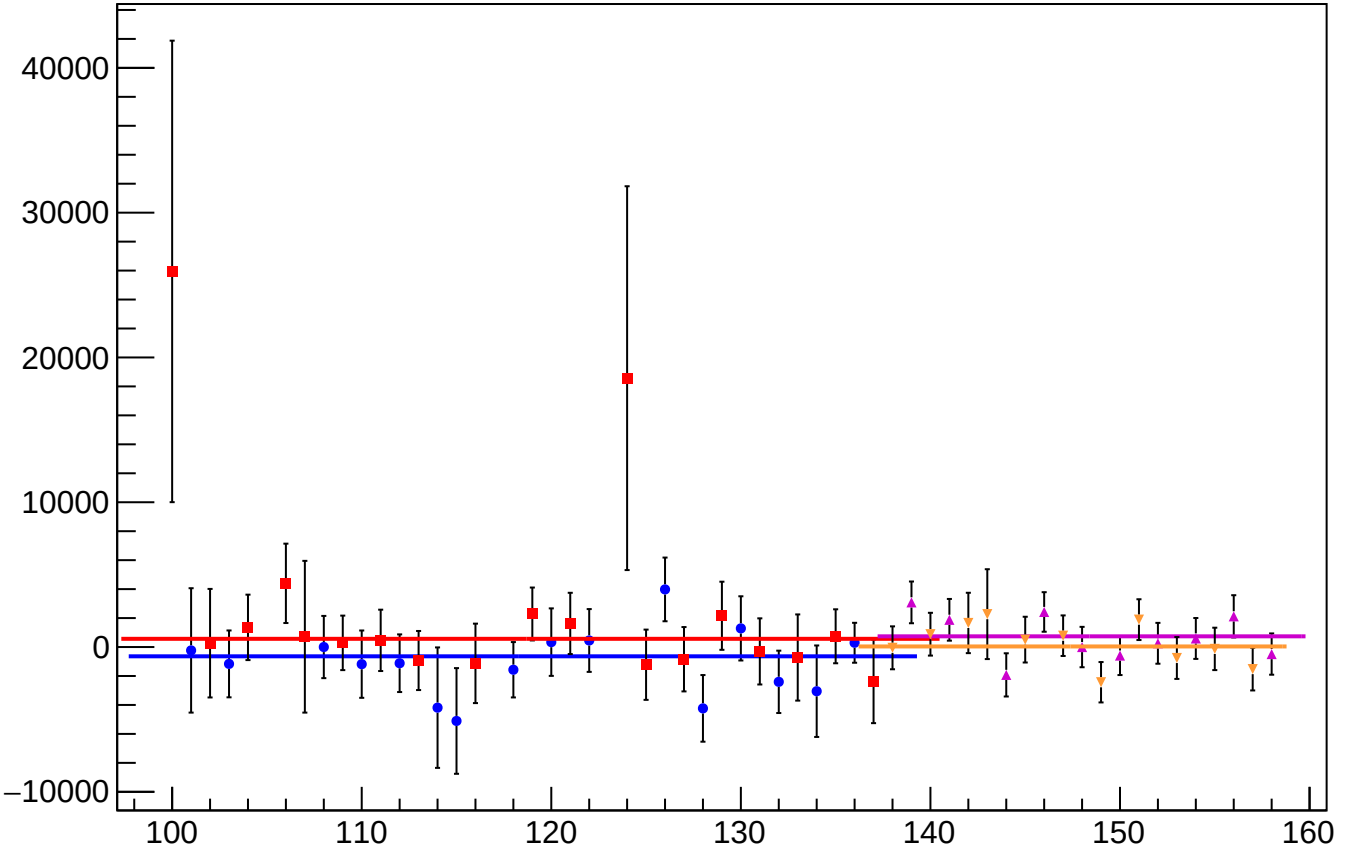
Left In: 347.935+/-0.085 χ^2/NDF:632641.8/9

+ sign 351.522+/-0.071 χ^2/NDF: 6803961.4/26

All: 355.959+/-0.050 χ^2/NDF: 12066695.3/55

- sign 360.271+/-0.070 χ^2/NDF: 5254932.2/28

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 40.365+/-467.204 χ^2/NDF:8.1/10

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

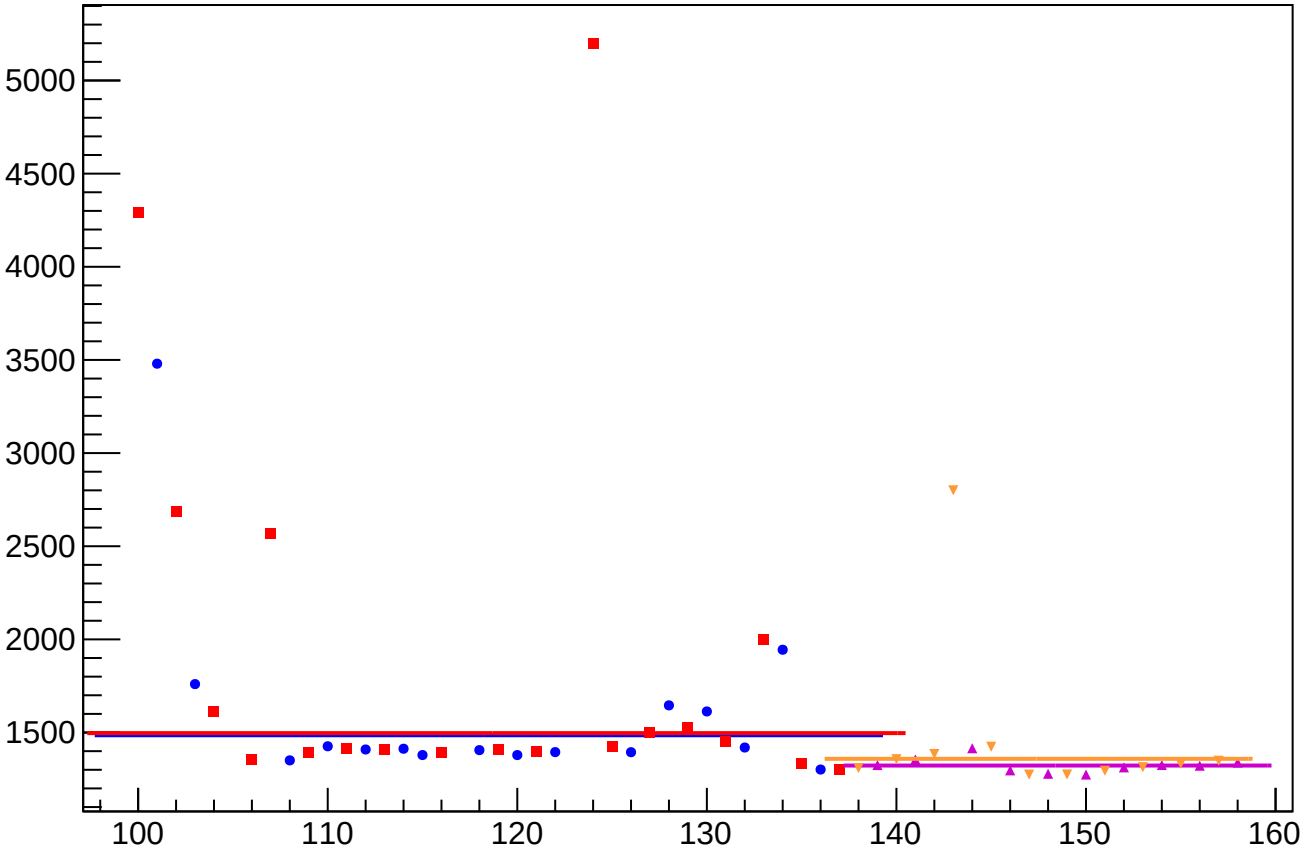
Left In: 739.423+/-448.049 χ^2/NDF:11.0/9

\+ sign -236.634+/-359.887 χ^2/NDF: 21.5/26

All: 229.030+/-251.456 χ^2/NDF: 47.1/55

\- sign 673.209+/-351.486 χ^2/NDF: 22.4/28

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1358.926+/-0.330 χ^2/NDF:458776.4/10

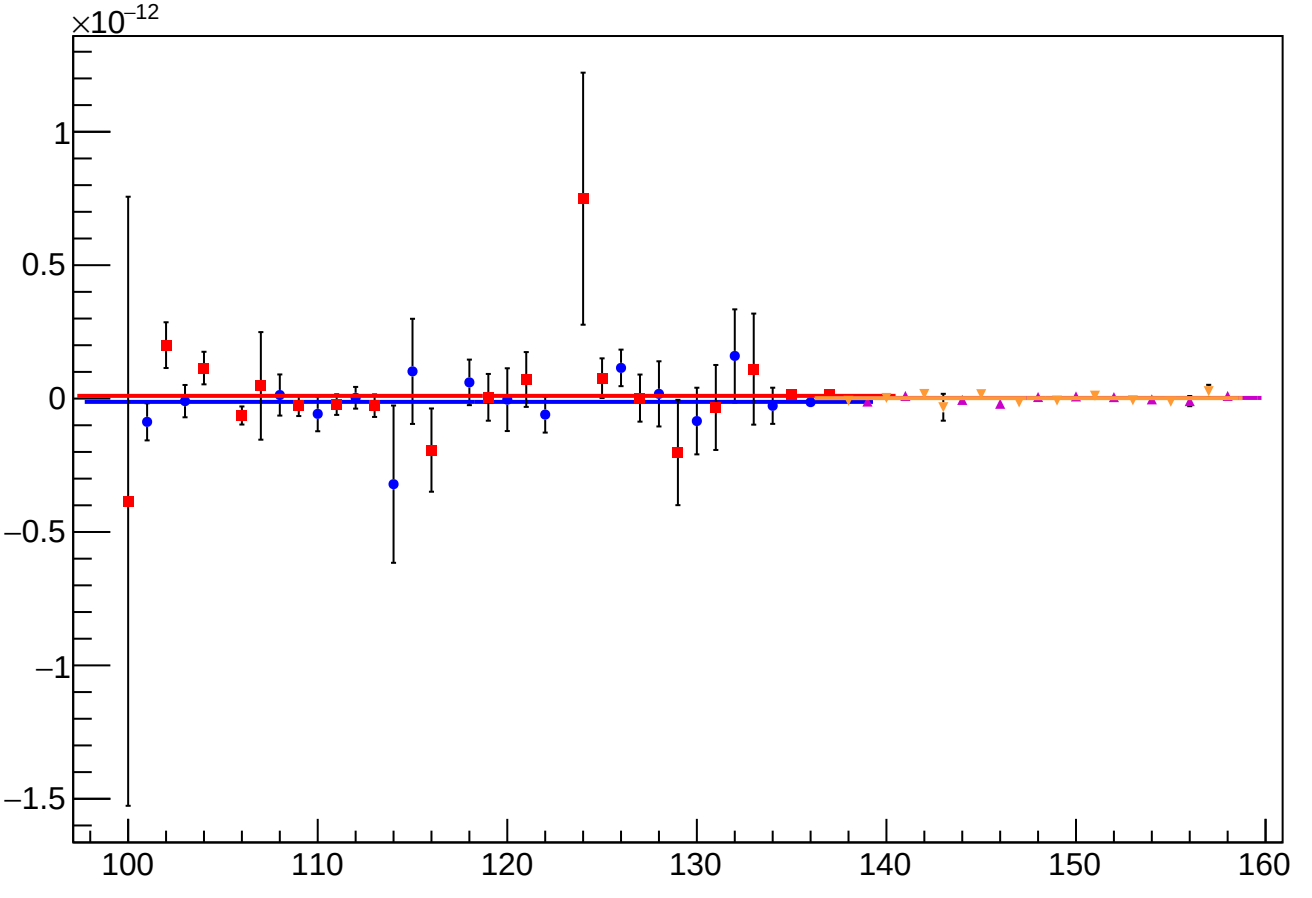
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1322.829+/-0.317 χ^2/NDF:14415.3/9

+ sign 1410.344+/-0.254 χ^2/NDF: 1102815.7/26

All: 1399.810+/-0.178 χ^2/NDF: 1859924.4/55

- sign 1389.762+/-0.249 χ^2/NDF: 753760.9/28



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.0/10

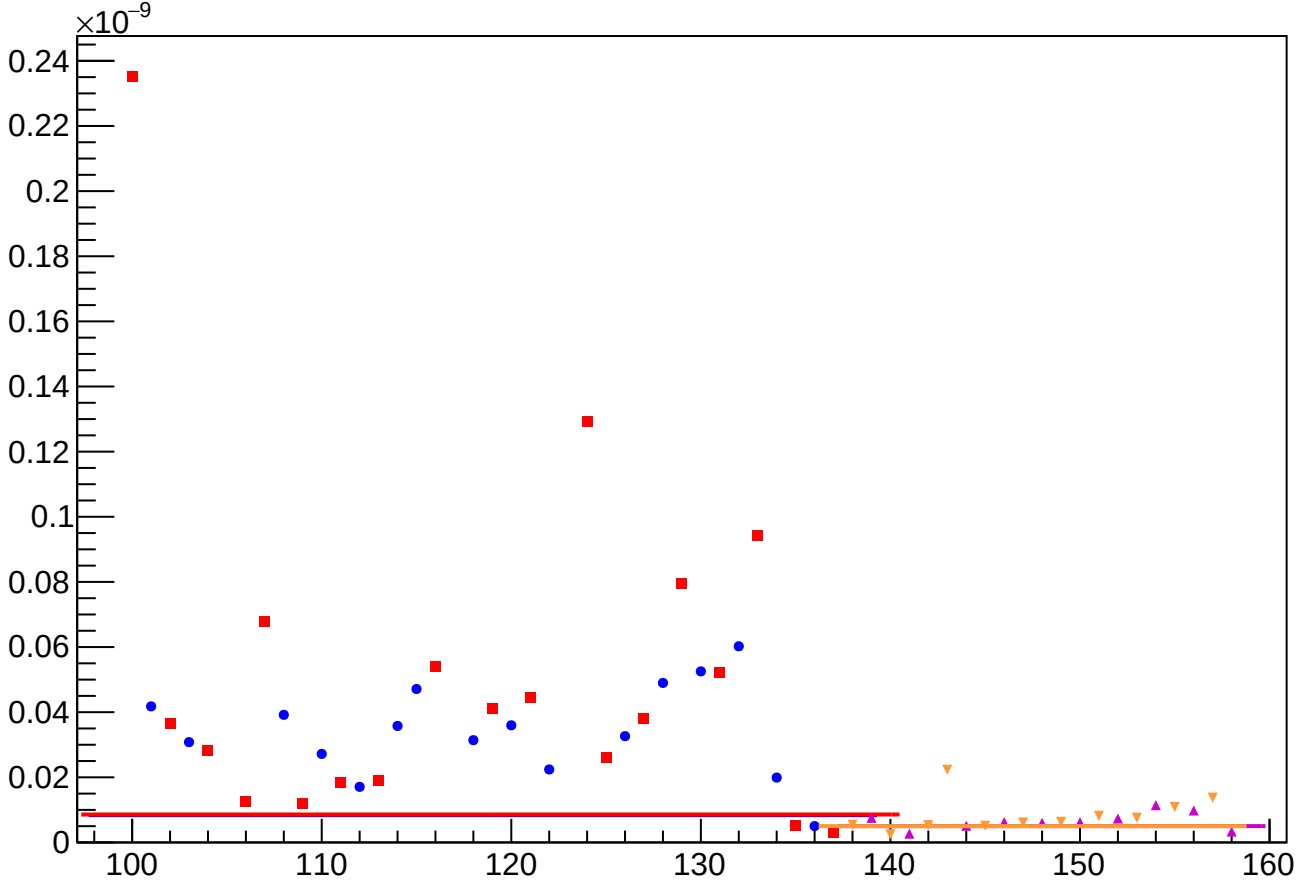
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:10.8/9

+ sign -0.000+/-0.000 χ^2/NDF: 24.5/26

All: 0.000+/-0.000 χ^2/NDF: 59.3/55

- sign 0.000+/-0.000 χ^2/NDF: 33.9/28



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1521180.8/10

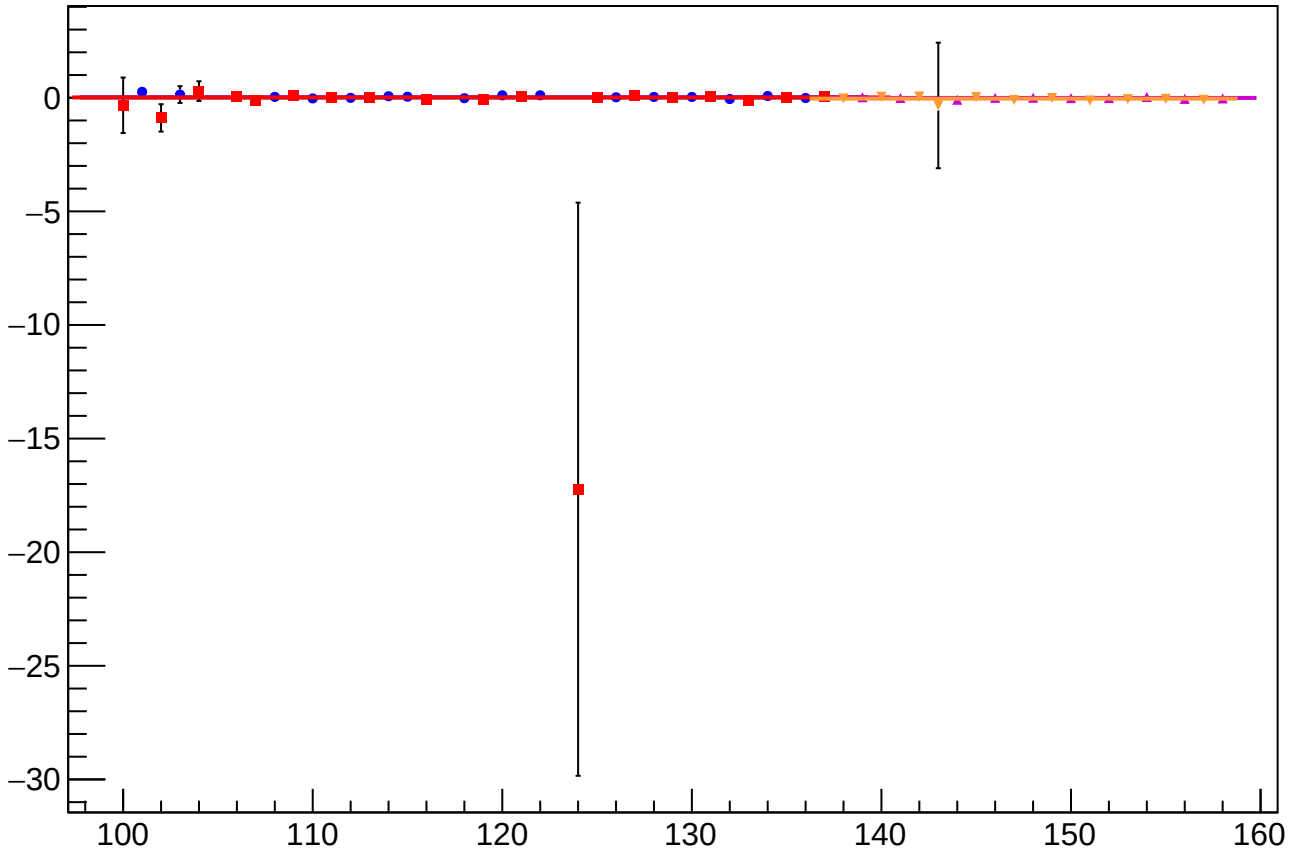
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1070875.0/9

+ sign 0.000+/-0.000 χ^2/NDF: 4933632.6/26

All: 0.000+/-0.000 χ^2/NDF: 9700529.1/55

- sign 0.000+/-0.000 χ^2/NDF: 4766618.6/28



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.039+/-0.013 χ^2/NDF:16.5/10

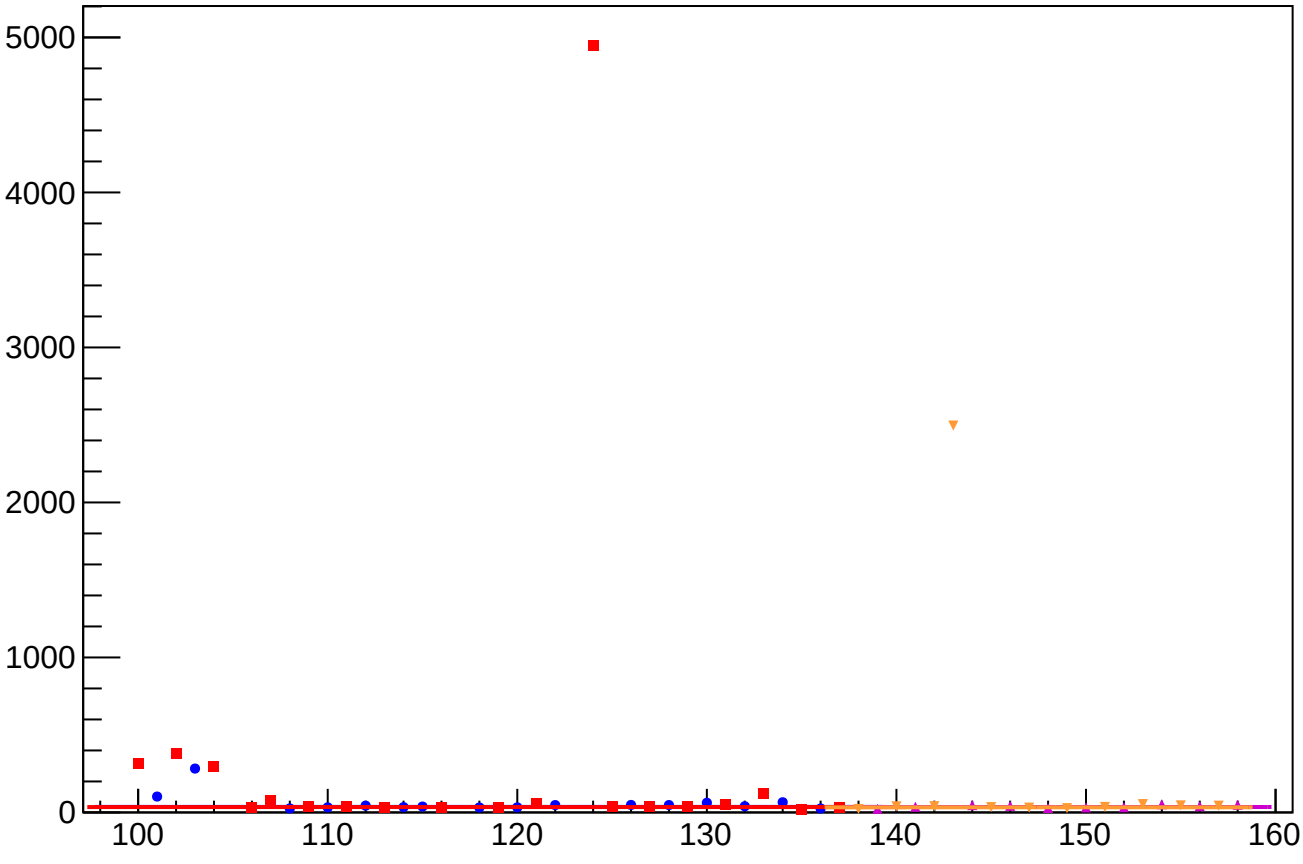
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.008+/-0.013 χ^2/NDF:5.0/9

+ sign -0.016+/-0.010 χ^2/NDF: 35.4/26

All: -0.007+/-0.007 χ^2/NDF: 59.0/55

- sign 0.001+/-0.010 χ^2/NDF: 22.2/28



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 33.247+/-0.009 χ^2/NDF:2442305.3/10

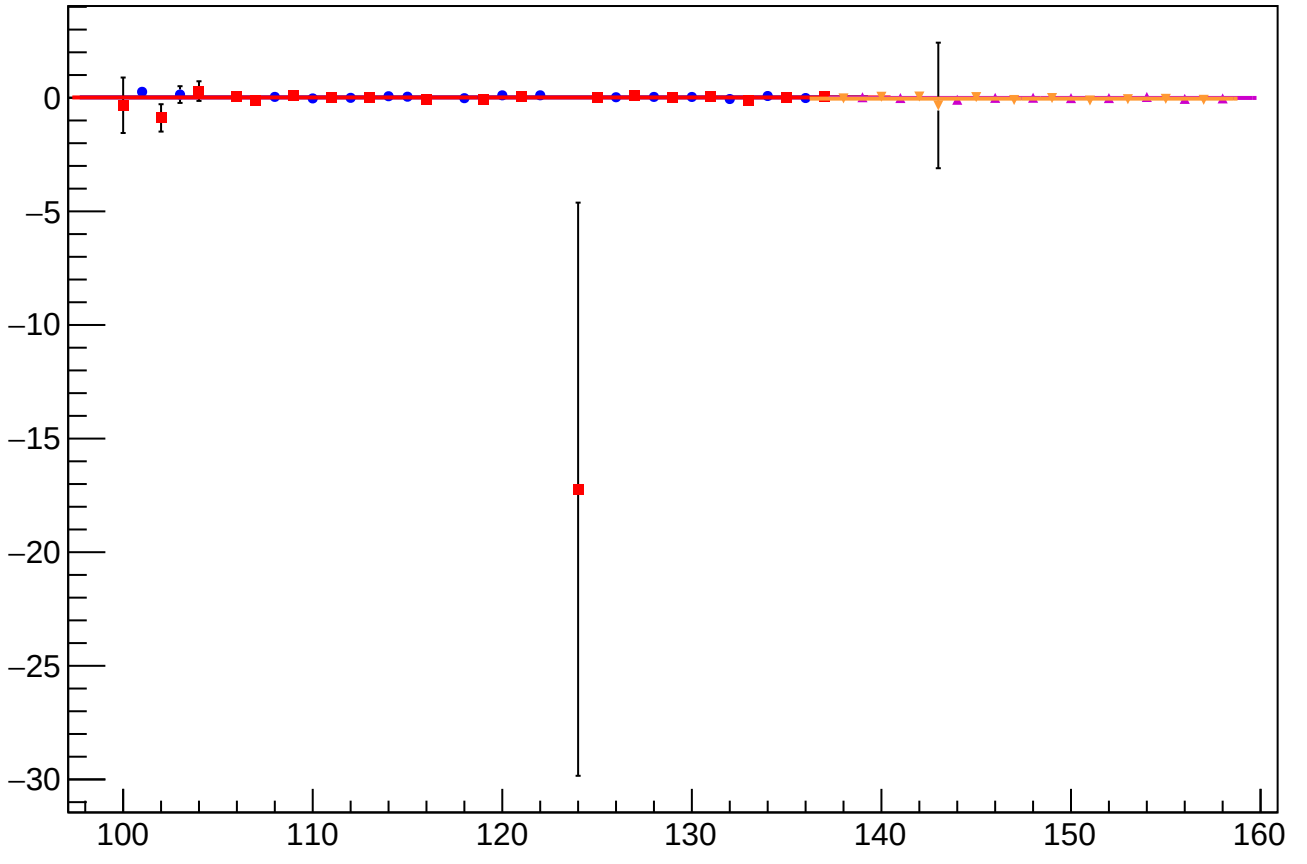
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 35.178+/-0.009 χ^2/NDF:910049.8/9

+ sign 34.286+/-0.007 χ^2/NDF: 4737523.6/26

All: 34.650+/-0.005 χ^2/NDF: 8567782.2/55

- sign 35.020+/-0.007 χ^2/NDF: 3824886.2/28



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.039+/-0.013 χ^2/NDF:16.5/10

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

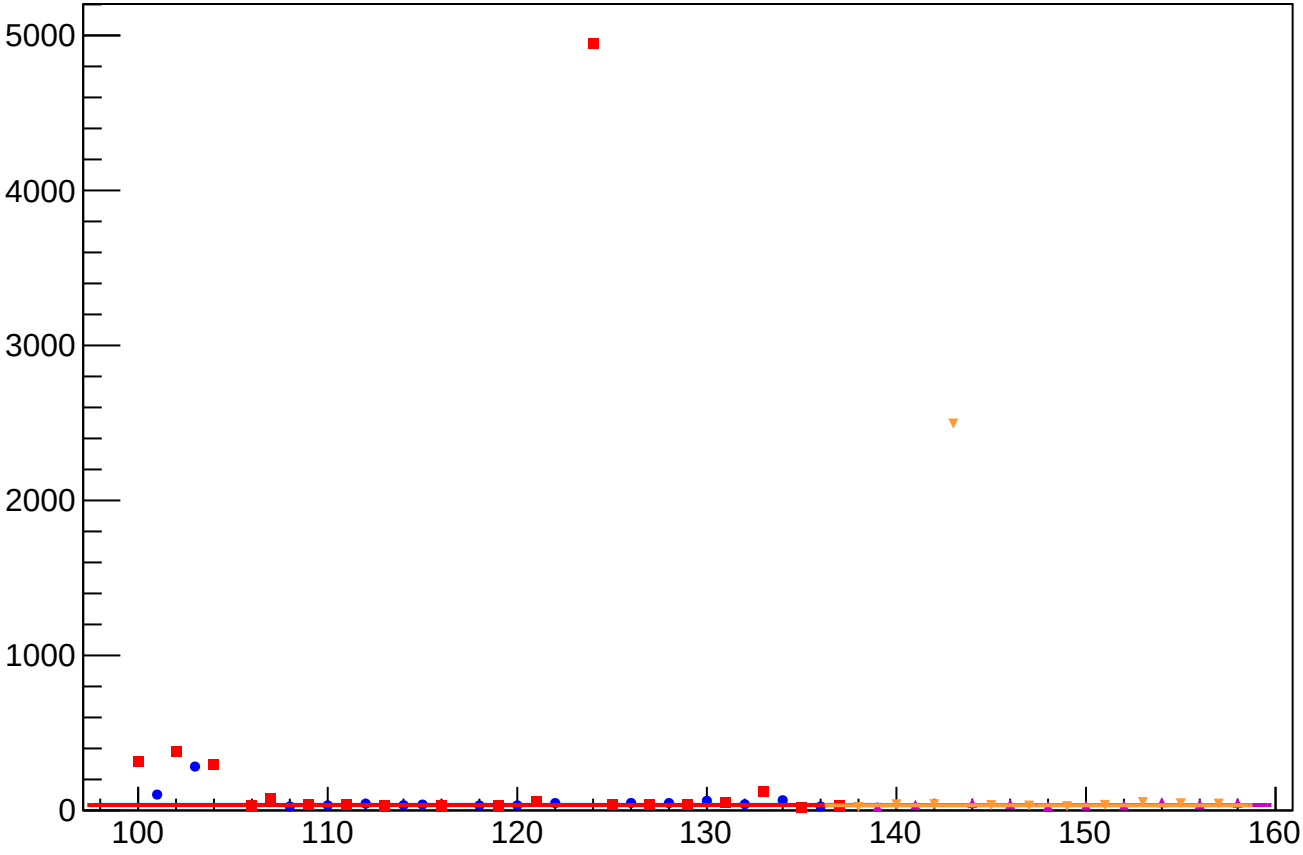
Left In: -0.008+/-0.013 χ^2/NDF:5.0/9

+ sign -0.016+/-0.010 χ^2/NDF: 35.4/26

All: -0.007+/-0.007 χ^2/NDF: 59.0/55

- sign 0.001+/-0.010 χ^2/NDF: 22.2/28

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 33.247+/-0.009 χ^2/NDF:2442305.3/10

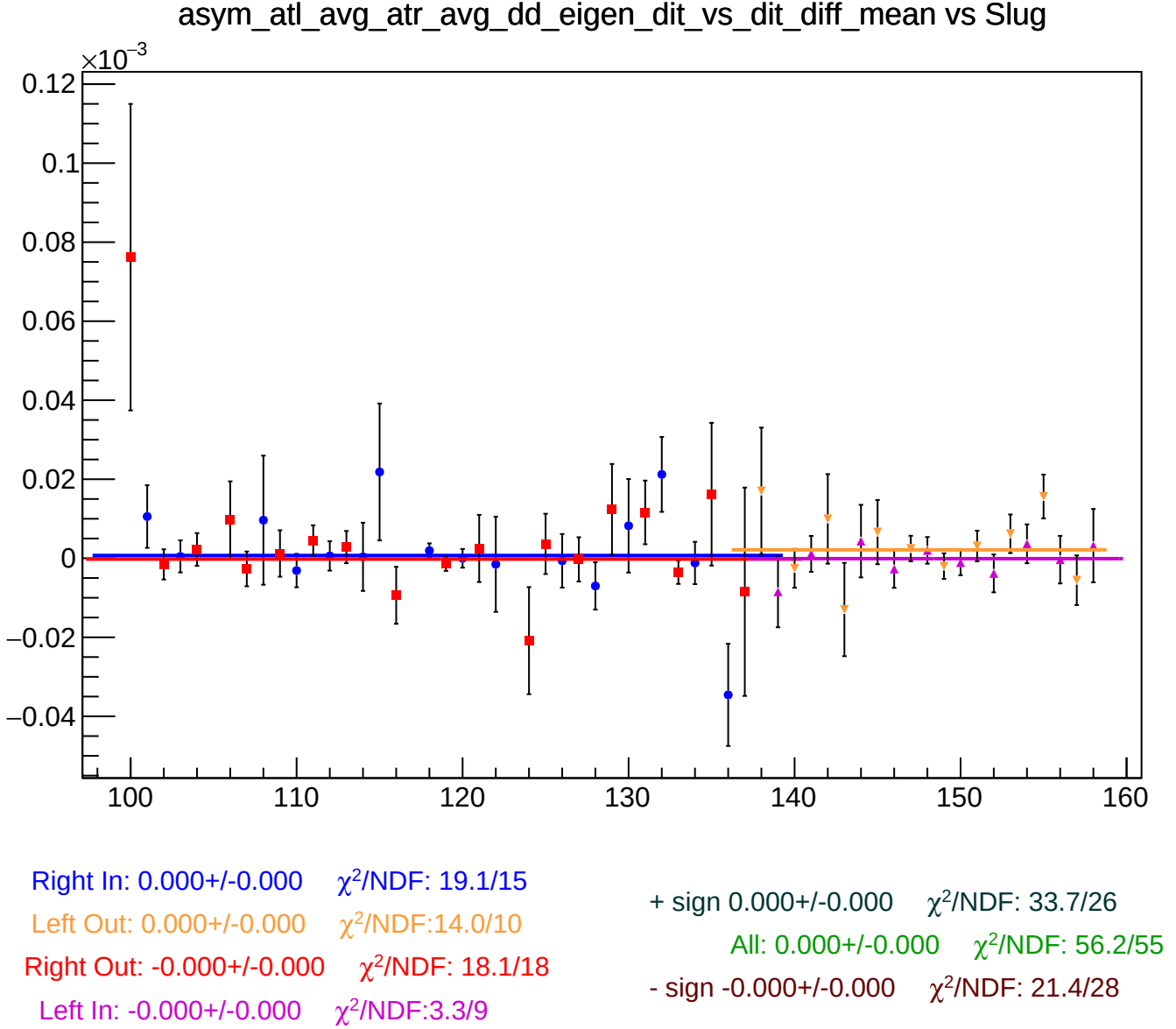
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

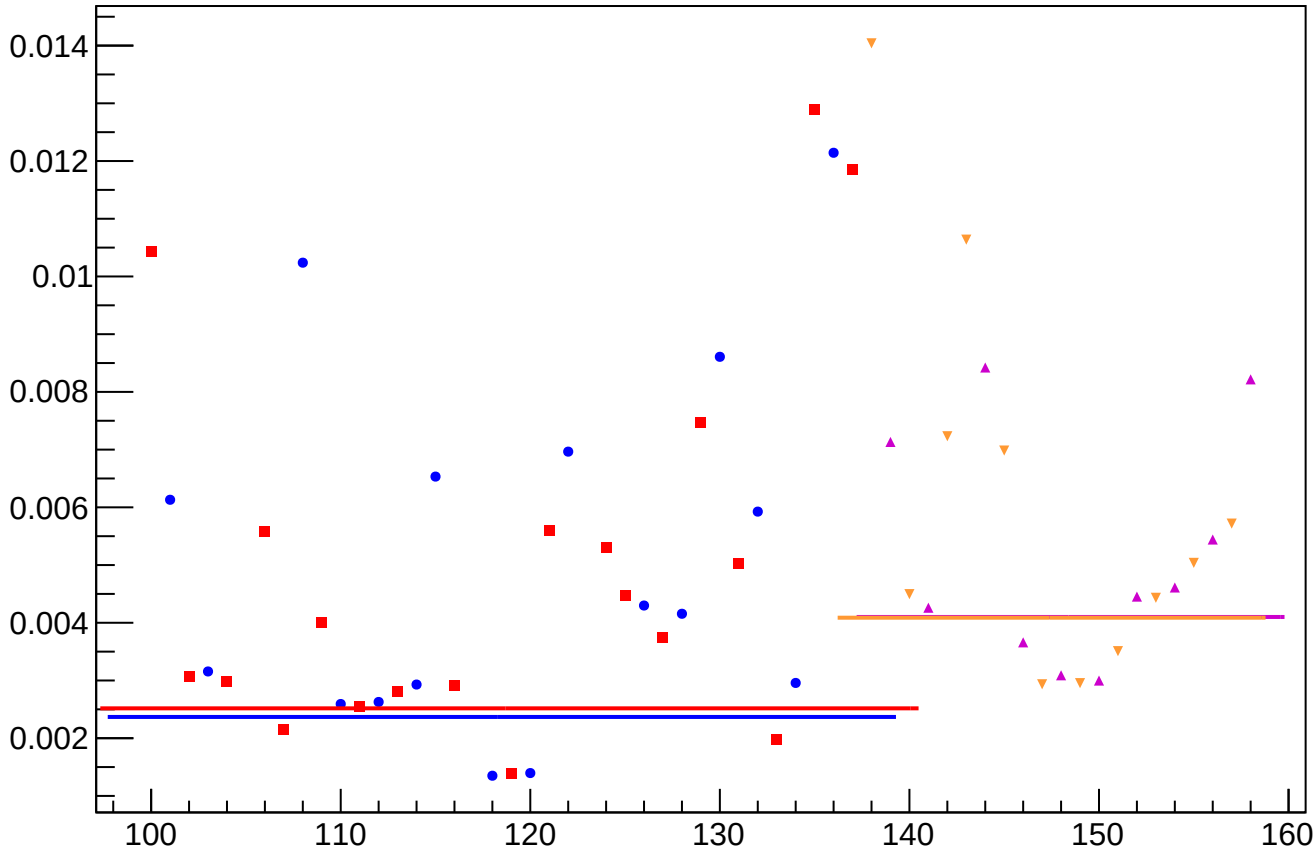
Left In: 35.178+/-0.009 χ^2/NDF:910049.8/9

+ sign 34.286+/-0.007 χ^2/NDF: 4737523.6/26

All: 34.650+/-0.005 χ^2/NDF: 8567782.2/55

- sign 35.020+/-0.007 χ^2/NDF: 3824886.2/28


asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 19.1/15
Left Out: 0.000+/-0.000 χ²/NDF:14.0/10
Right Out: -0.000+/-0.000 χ²/NDF: 18.1/18
Left In: -0.000+/-0.000 χ²/NDF:3.3/9
+ sign 0.000+/-0.000 χ²/NDF: 33.7/26
All: 0.000+/-0.000 χ²/NDF: 56.2/55
- sign -0.000+/-0.000 χ²/NDF: 21.4/28



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:2556670.1/10

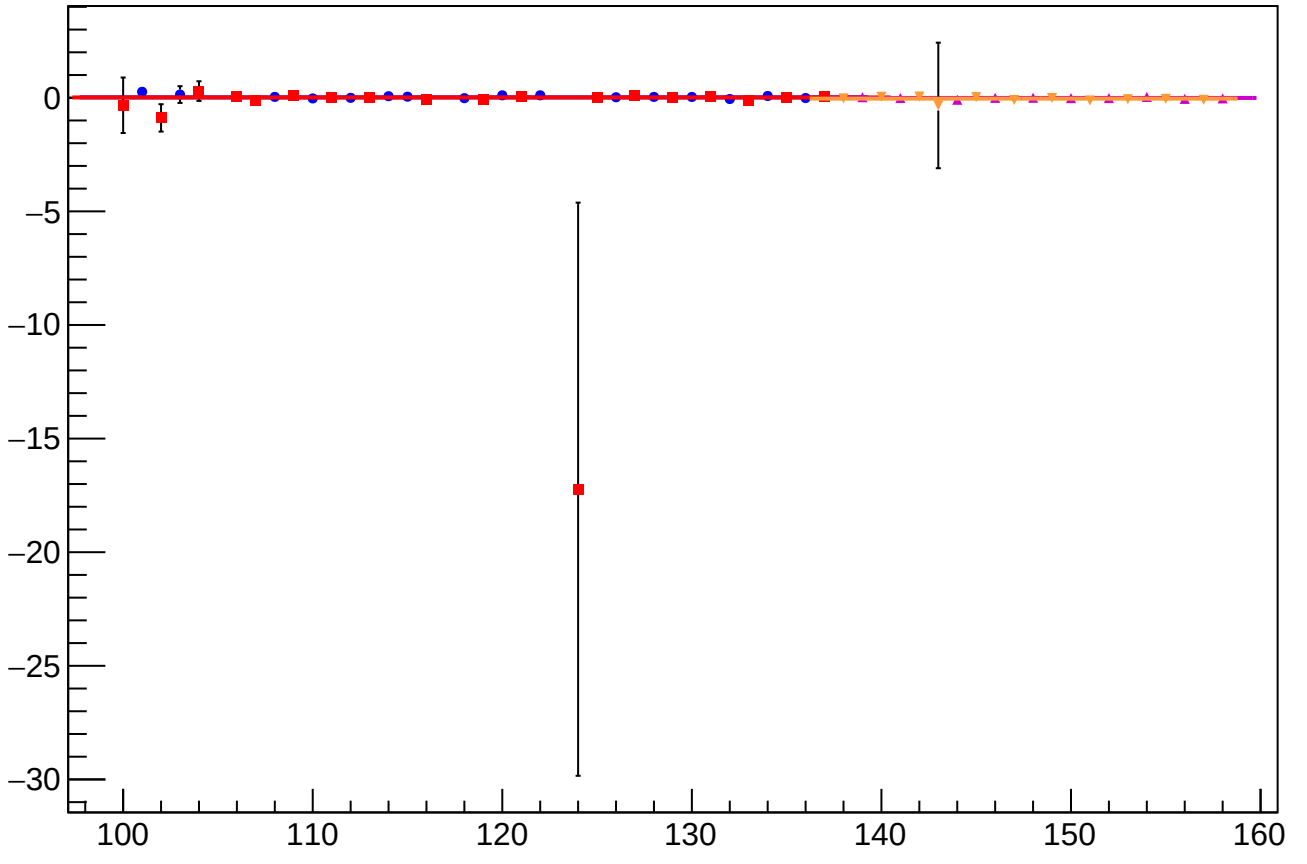
Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.004+/-0.000 χ^2/NDF:1636698.2/9

\+ sign 0.003+/-0.000 χ^2/NDF: 8951782.0/26

All: 0.003+/-0.000 χ^2/NDF: 15438030.8/55

\- sign 0.003+/-0.000 χ^2/NDF: 6479847.9/28



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.039+/-0.013 χ^2/NDF:16.5/10

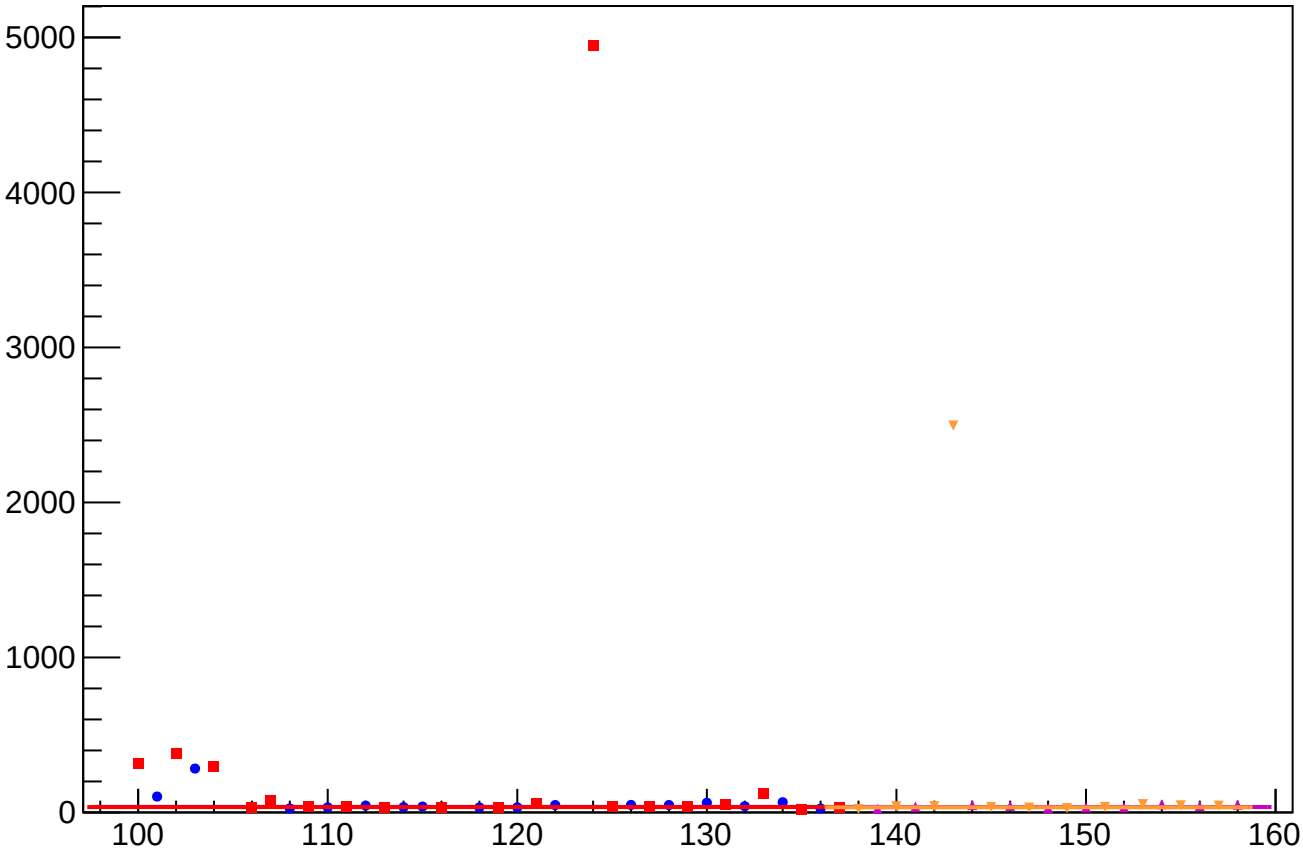
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.008+/-0.013 χ^2/NDF:5.0/9

+ sign -0.016+/-0.010 χ^2/NDF: 35.4/26

All: -0.007+/-0.007 χ^2/NDF: 59.0/55

- sign 0.001+/-0.010 χ^2/NDF: 22.2/28



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 33.247+/-0.009 χ^2/NDF:2442580.7/10

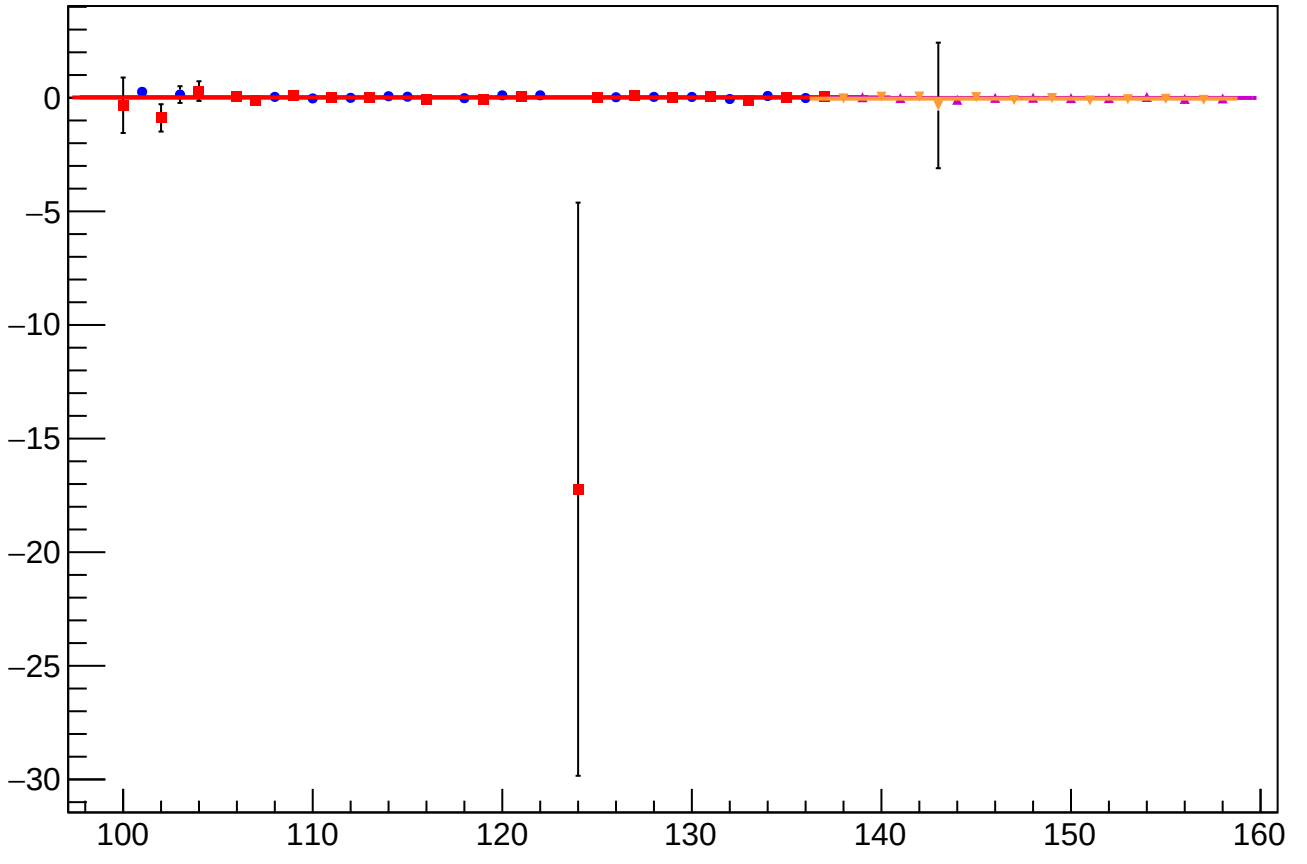
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 35.176+/-0.009 χ^2/NDF:910590.7/9

+ sign 34.287+/-0.007 χ^2/NDF: 4737560.8/26

All: 34.650+/-0.005 χ^2/NDF: 8568159.9/55

- sign 35.020+/-0.007 χ^2/NDF: 3825243.1/28



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.039+/-0.013 χ^2/NDF:16.5/10

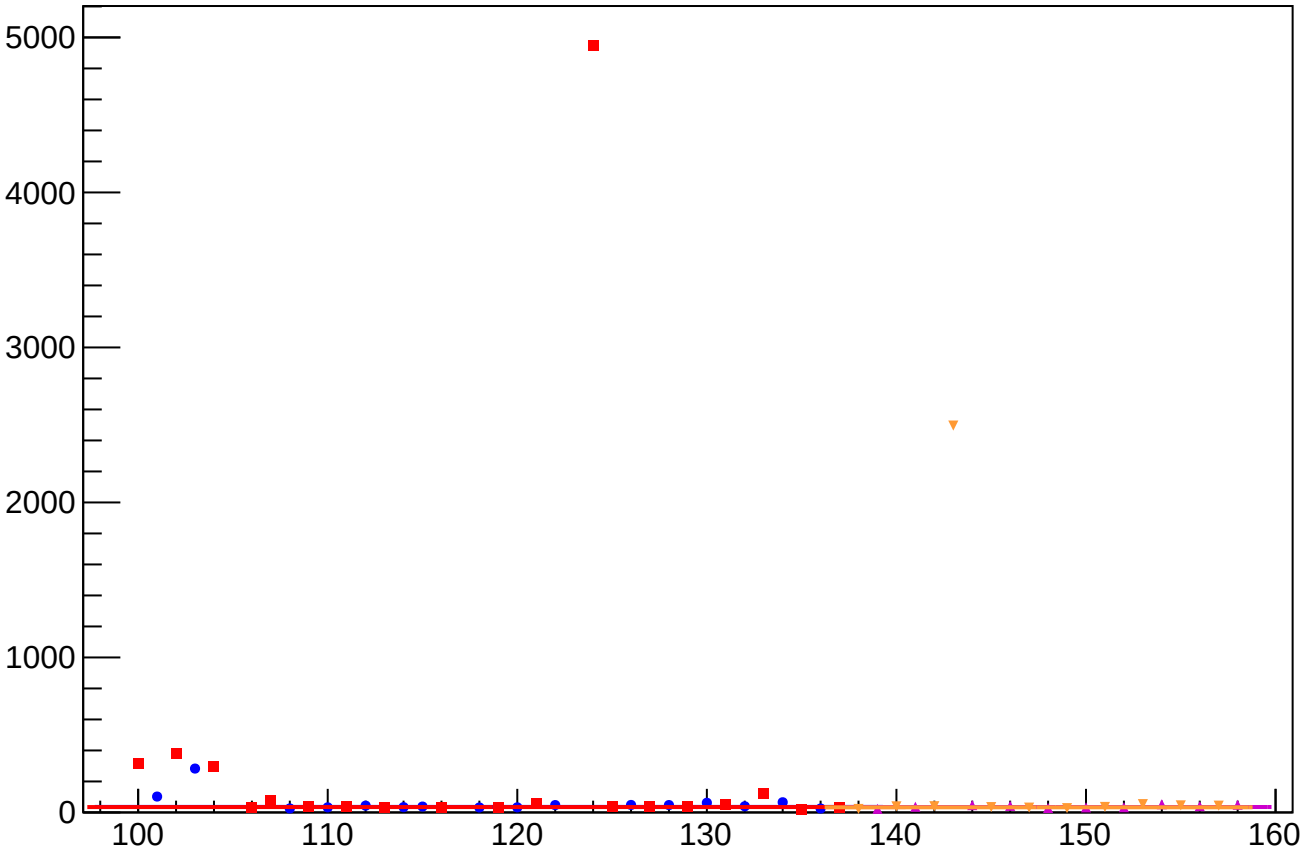
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.008+/-0.013 χ^2/NDF:5.0/9

+ sign -0.016+/-0.010 χ^2/NDF: 35.4/26

All: -0.007+/-0.007 χ^2/NDF: 59.0/55

- sign 0.001+/-0.010 χ^2/NDF: 22.2/28



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 33.247+/-0.009 χ^2/NDF:2442580.7/10

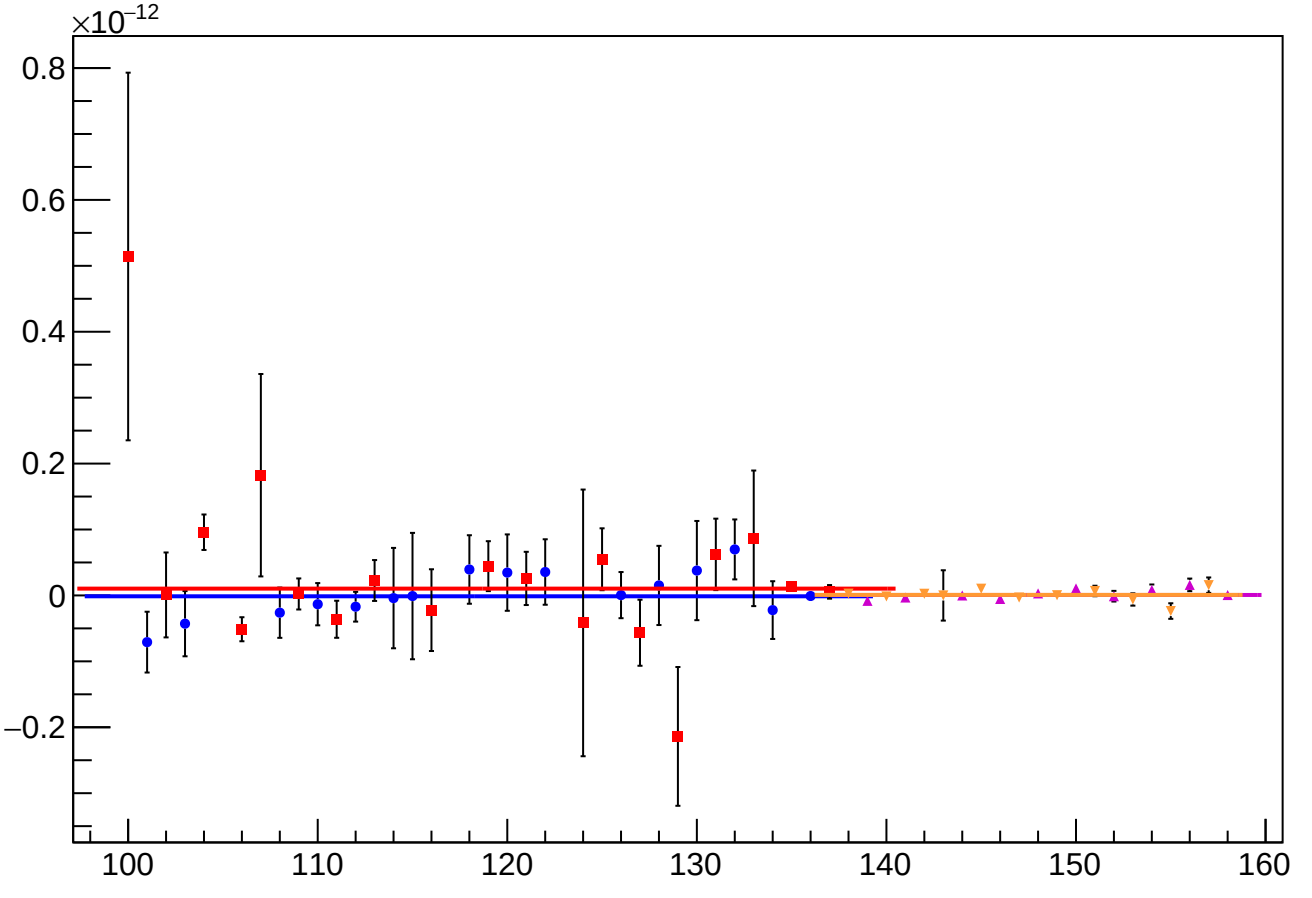
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 35.176+/-0.009 χ^2/NDF:910590.7/9

+ sign 34.287+/-0.007 χ^2/NDF: 4737560.8/26

All: 34.650+/-0.005 χ^2/NDF: 8568159.9/55

- sign 35.020+/-0.007 χ^2/NDF: 3825243.1/28



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.3/10

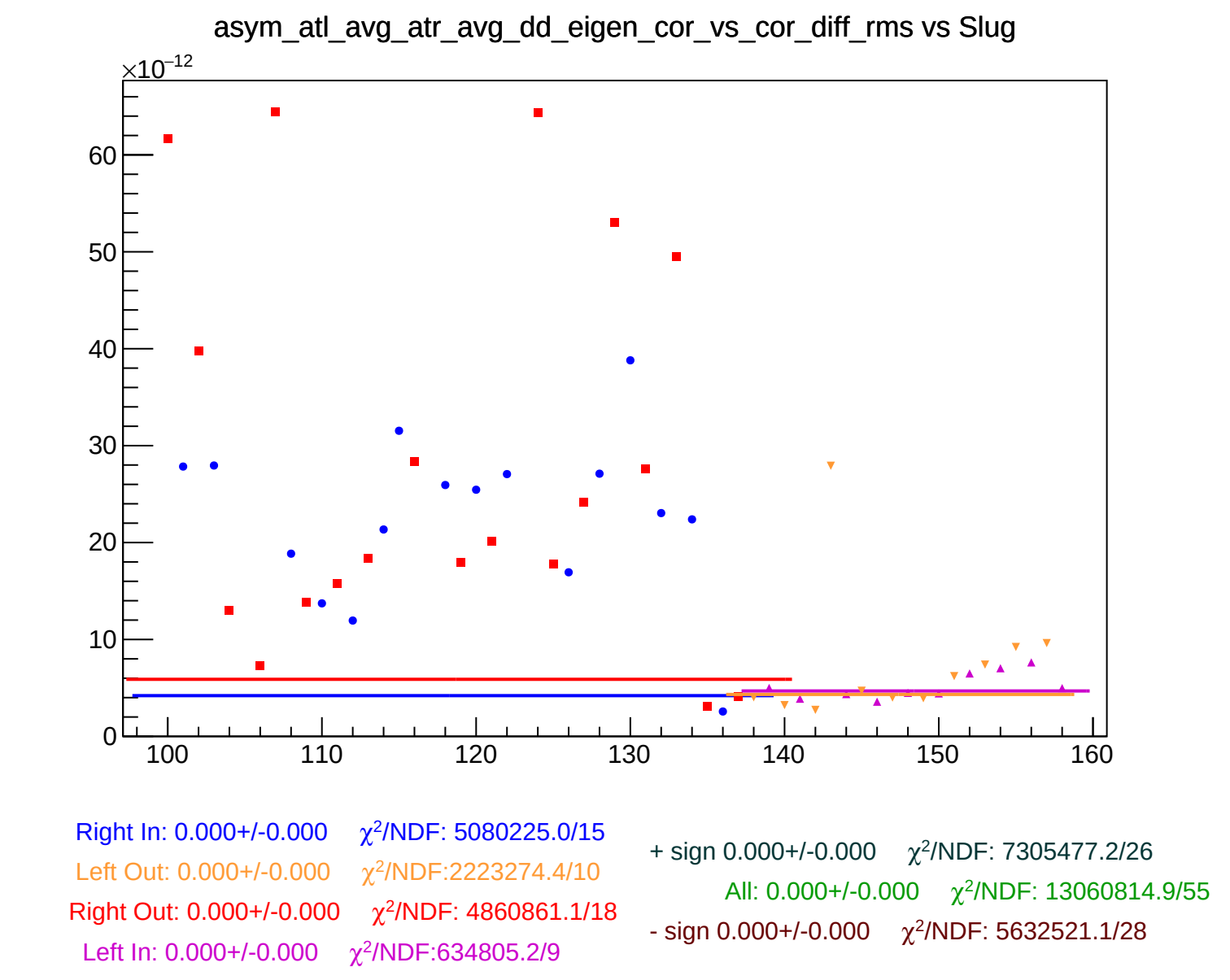
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: 0.000+/-0.000 χ^2/NDF:11.0/9

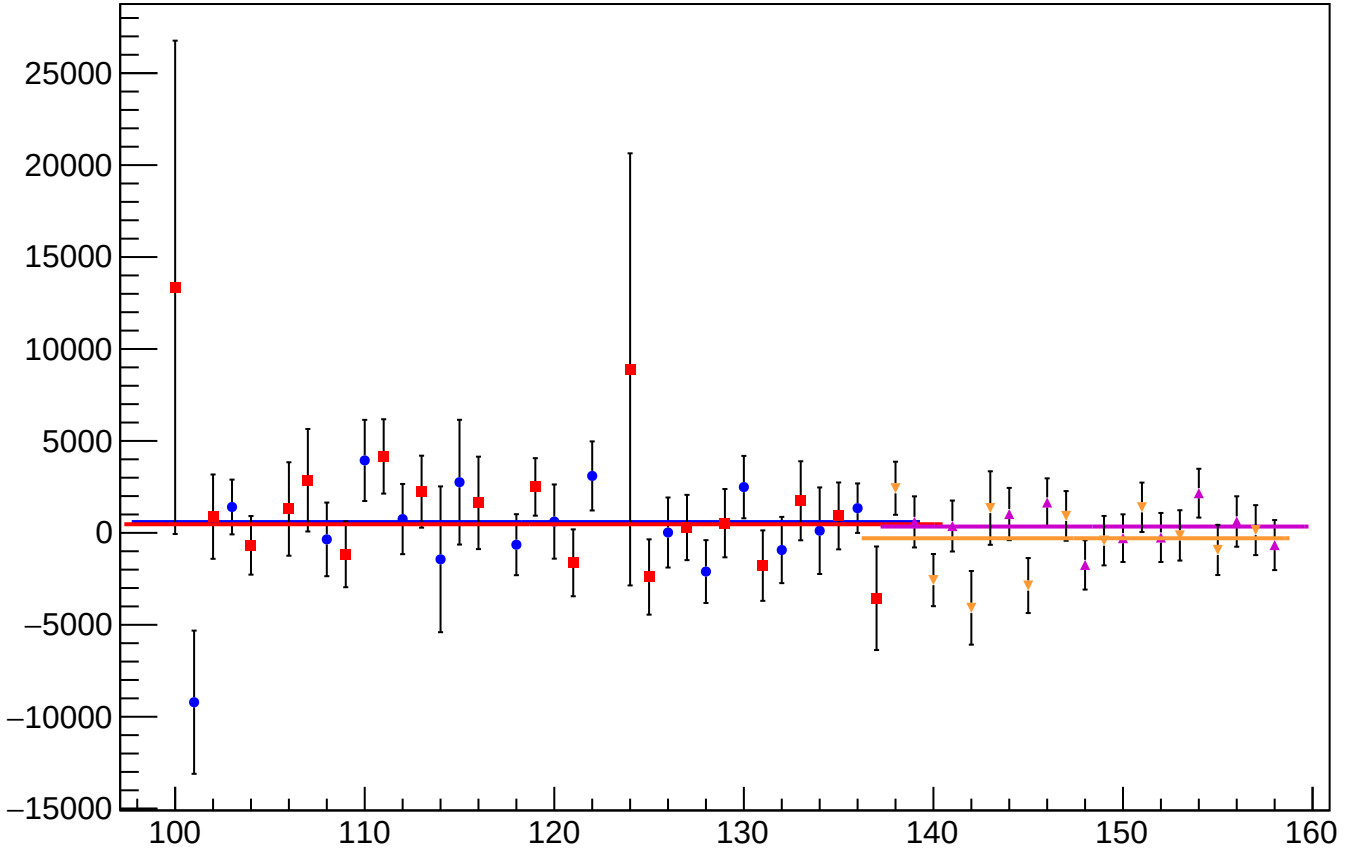
+ sign 0.000+/-0.000 χ^2/NDF: 19.2/26

All: 0.000+/-0.000 χ^2/NDF: 75.2/55

- sign 0.000+/-0.000 χ^2/NDF: 55.3/28


asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 5080225.0/15
Left Out: 0.000+/-0.000 χ²/NDF:2223274.4/10
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:634805.2/9
+ sign 0.000+/-0.000 χ²/NDF: 7305477.2/26
All: 0.000+/-0.000 χ²/NDF: 13060814.9/55
- sign 0.000+/-0.000 χ²/NDF: 5632521.1/28

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -292.982+/-438.941 χ^2/NDF:16.0/10

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

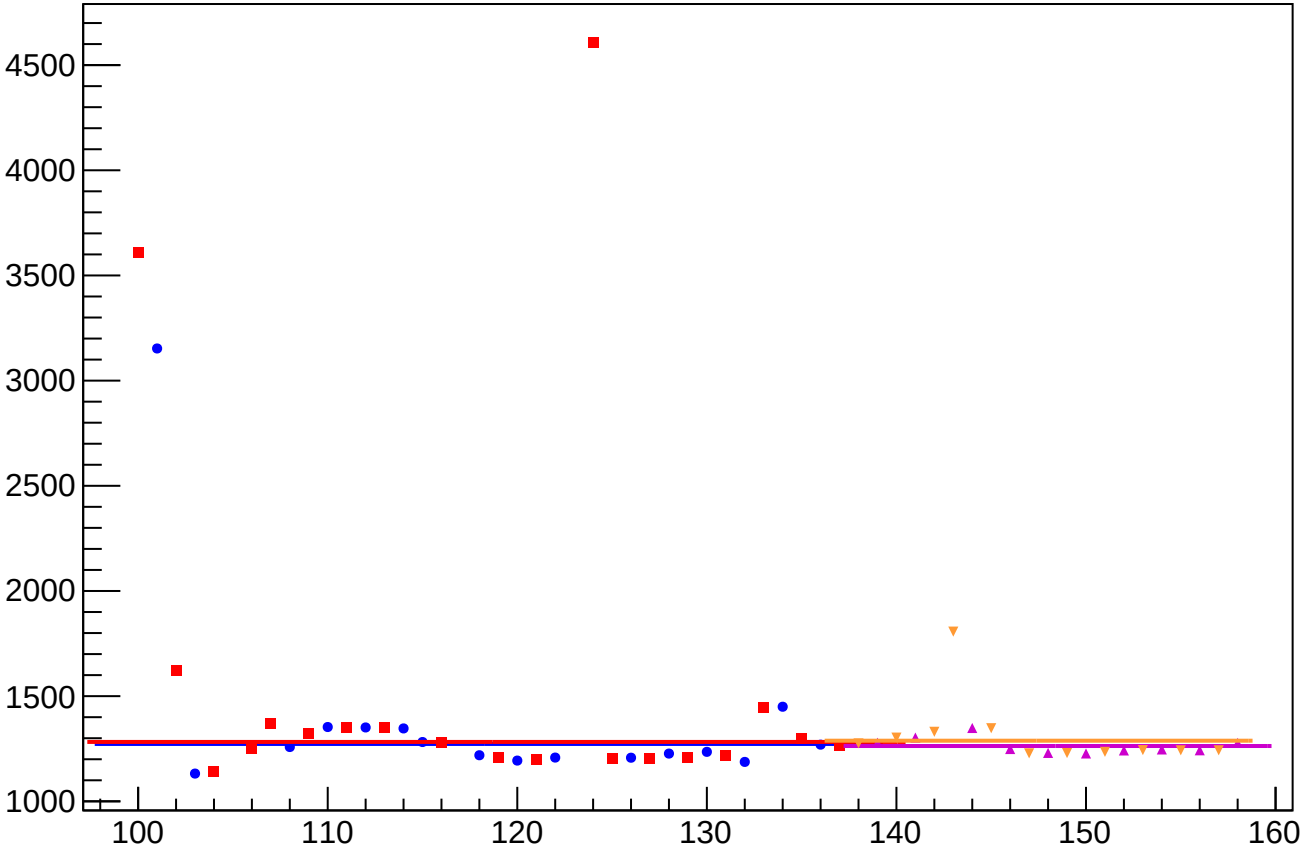
Left In: 343.703+/-427.742 χ^2/NDF:6.6/9

+ sign 105.533+/-324.668 χ^2/NDF: 34.9/26

All: 254.675+/-227.724 χ^2/NDF: 58.8/55

- sign 399.101+/-319.495 χ^2/NDF: 23.5/28

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1288.230+/-0.310 χ^2/NDF:156380.0/10

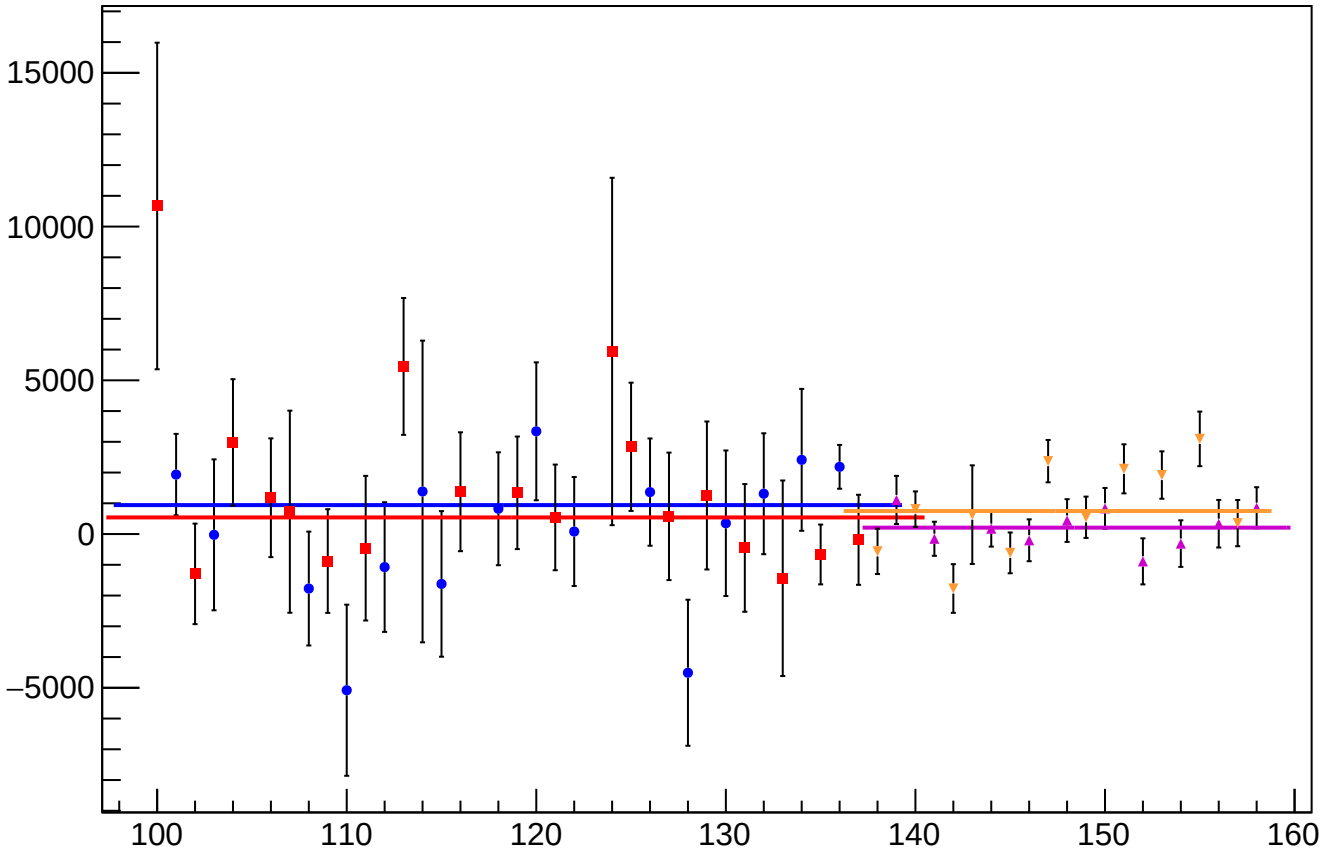
Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1262.964+/-0.302 χ^2/NDF:13617.6/9

+ sign 1281.244+/-0.230 χ^2/NDF: 676796.9/26

All: 1276.315+/-0.161 χ^2/NDF: 1015219.4/55

- sign 1271.541+/-0.226 χ^2/NDF: 337515.1/28



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 748.783+/-225.229 χ^2/NDF:35.7/10

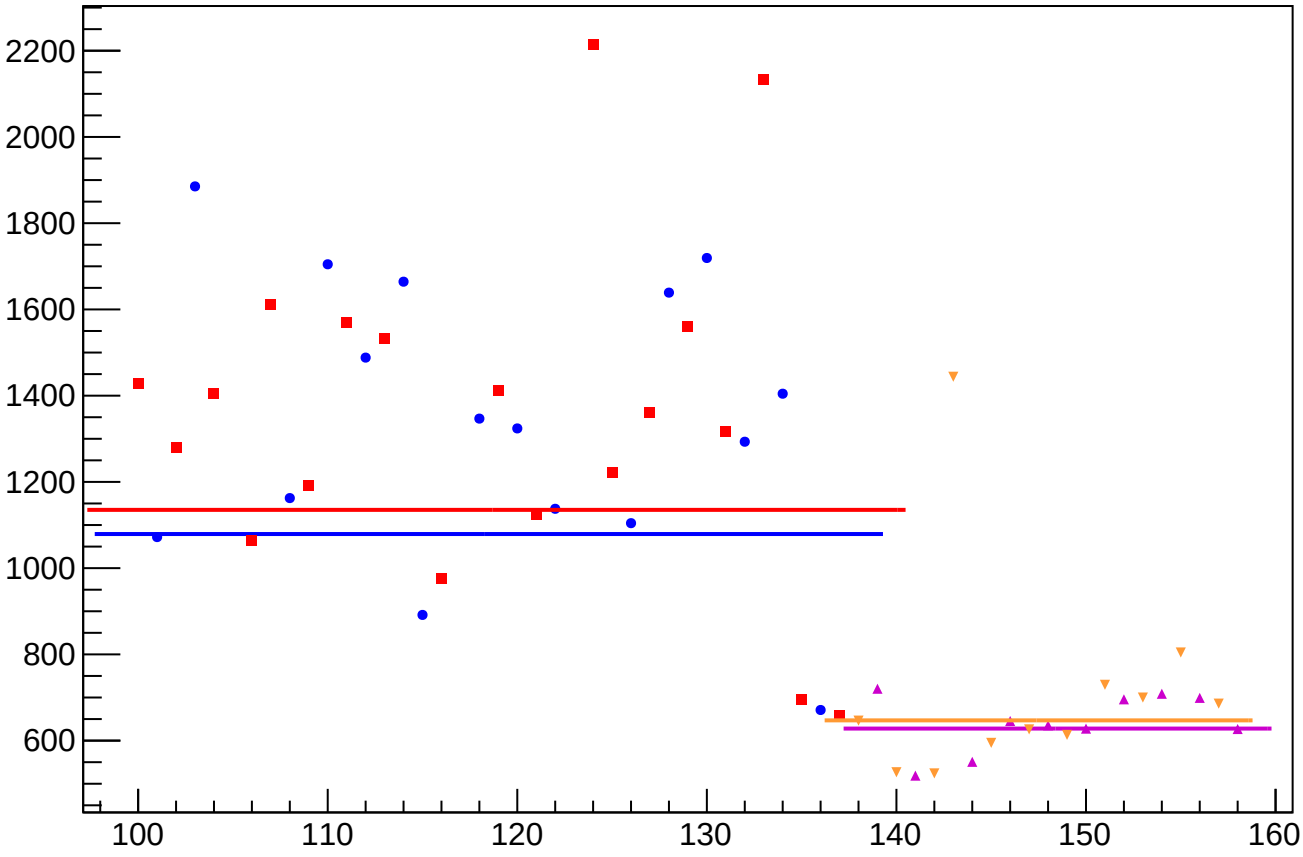
Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: 208.554+/-214.349 χ^2/NDF:6.7/9

\+ sign 790.967+/-199.096 χ^2/NDF: 55.7/26

All: 523.140+/-138.462 χ^2/NDF: 83.6/55

\- sign 272.268+/-192.691 χ^2/NDF: 24.3/28



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 646.986+/-0.159 χ^2/NDF:747493.9/10

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

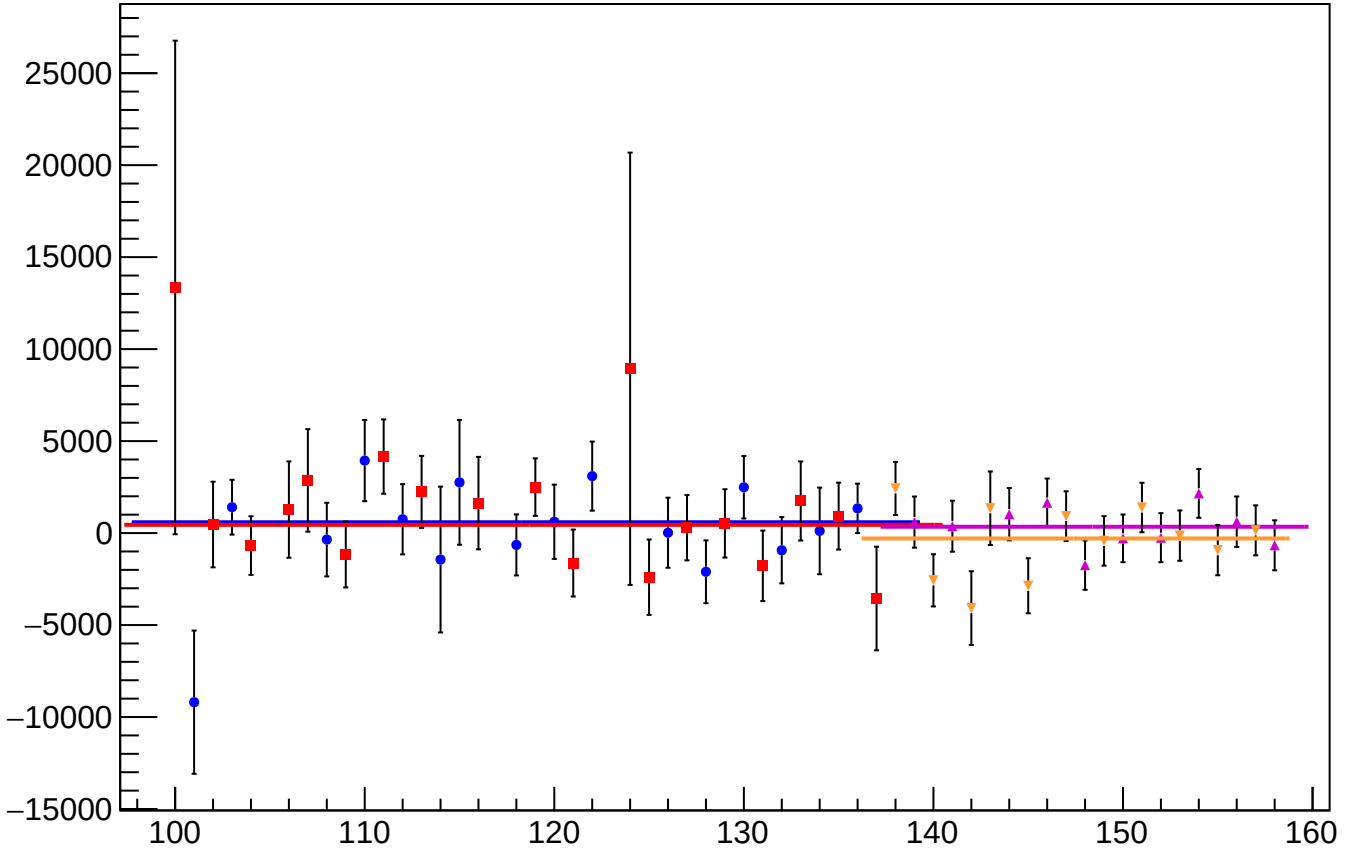
Left In: 627.946+/-0.152 χ^2/NDF:198007.2/9

+ sign 741.448+/-0.141 χ^2/NDF: 3839095.8/26

All: 733.092+/-0.098 χ^2/NDF: 7485717.0/55

- sign 725.265+/-0.136 χ^2/NDF: 3639798.4/28

cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -293.117+/-438.941 χ^2/NDF:16.0/10

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

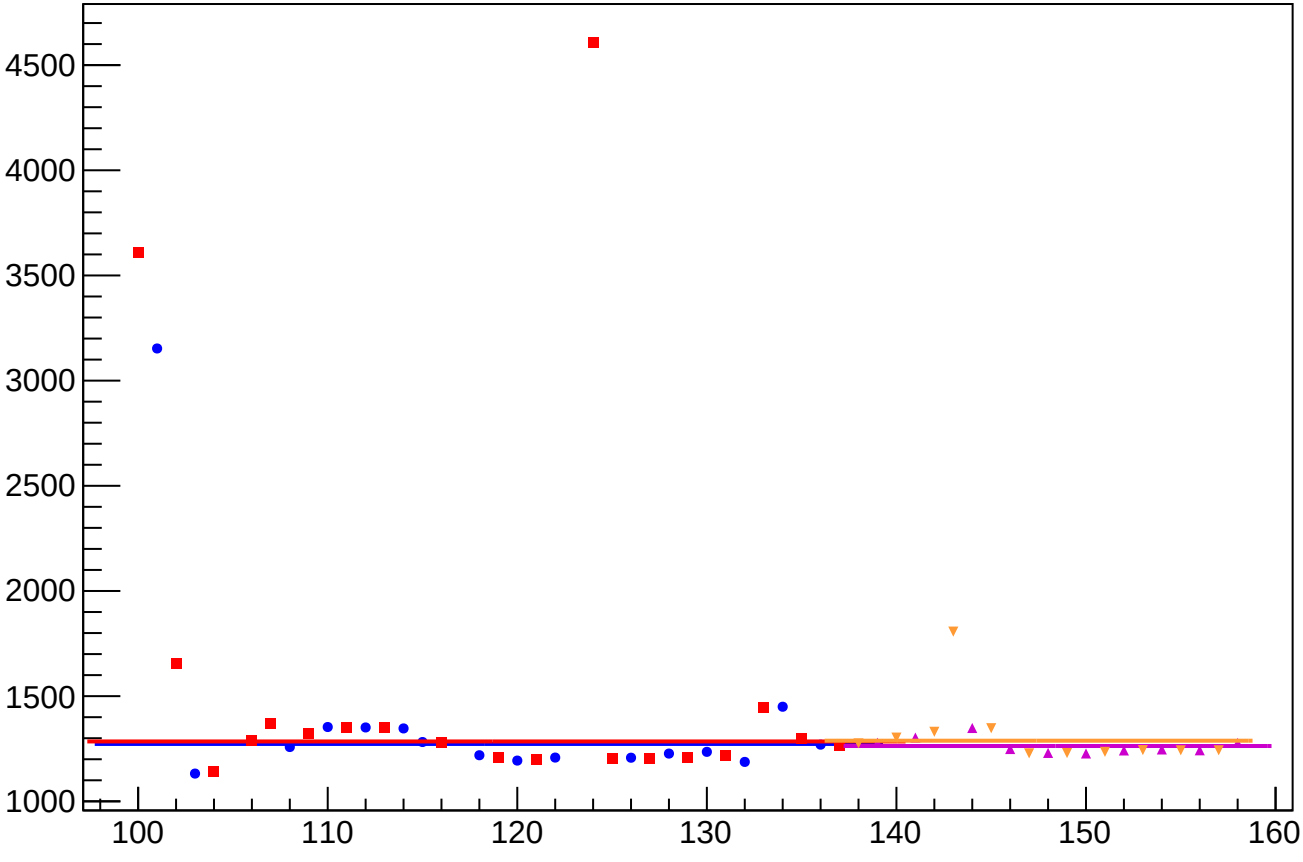
Left In: 343.688+/-427.742 χ^2/NDF:6.6/9

\+ sign 105.604+/-324.668 χ^2/NDF: 34.9/26

All: 249.927+/-227.811 χ^2/NDF: 58.7/55

\- sign 389.898+/-319.735 χ^2/NDF: 23.4/28

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1288.230+/-0.310 χ^2/NDF:156380.0/10

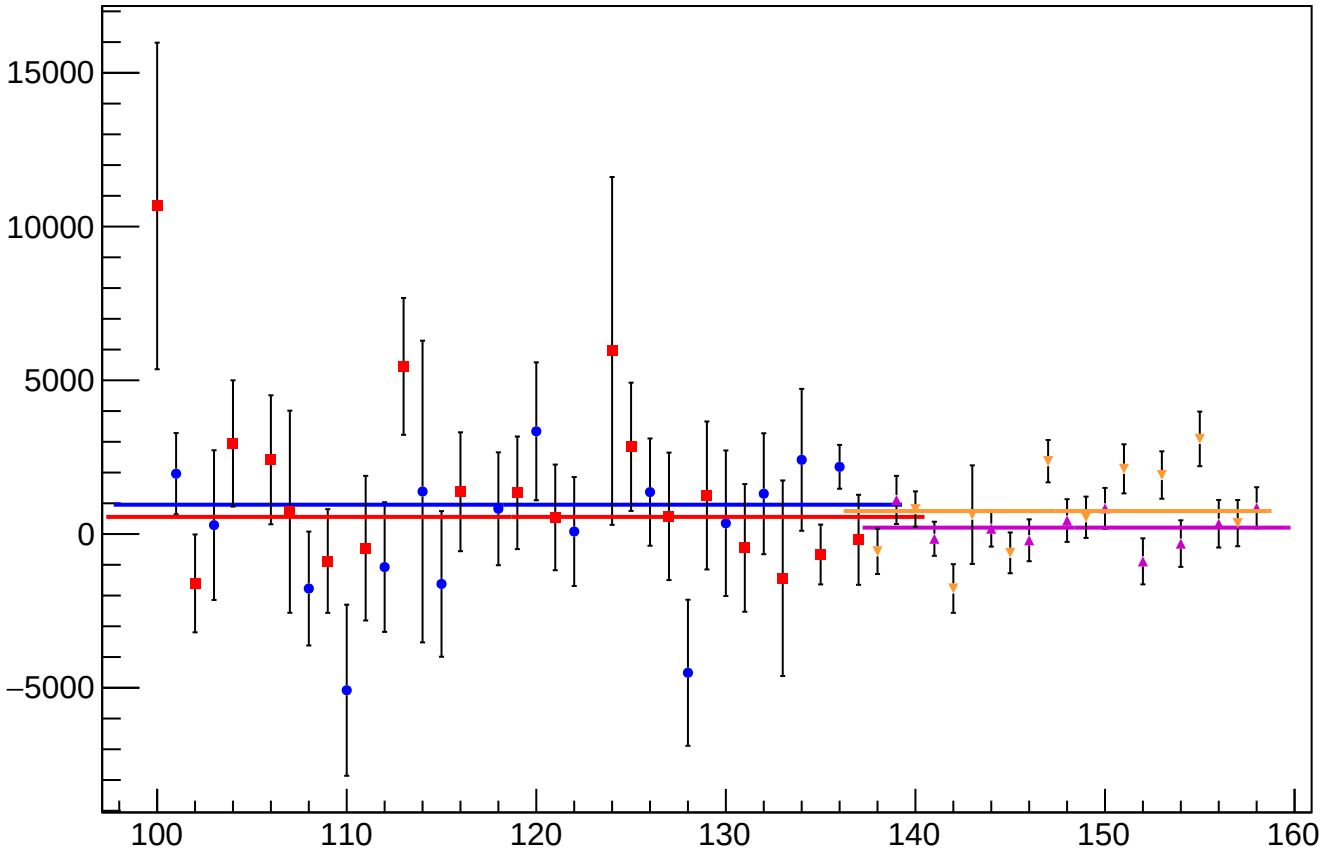
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1262.964+/-0.302 χ^2/NDF:13617.6/9

+ sign 1281.244+/-0.230 χ^2/NDF: 676798.3/26

All: 1276.823+/-0.161 χ^2/NDF: 1022150.5/55

- sign 1272.535+/-0.226 χ^2/NDF: 344621.7/28



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 748.730+/-225.231 χ^2/NDF:35.7/10

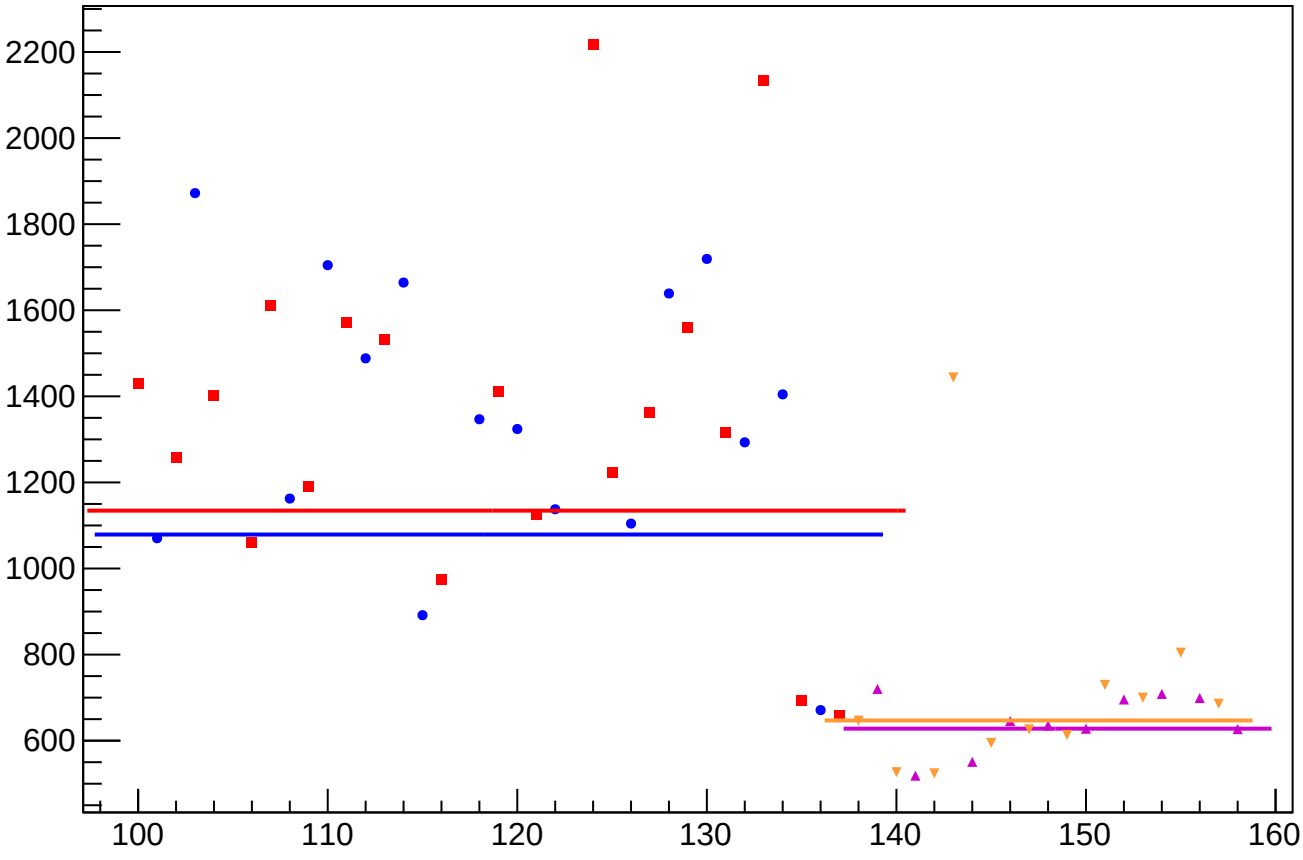
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 208.524+/-214.348 χ^2/NDF:6.7/9

+ sign 793.662+/-199.079 χ^2/NDF: 55.7/26

All: 526.155+/-138.483 χ^2/NDF: 84.8/55

- sign 275.355+/-192.762 χ^2/NDF: 25.6/28



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 646.994+/-0.159 χ^2/NDF:747398.9/10

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

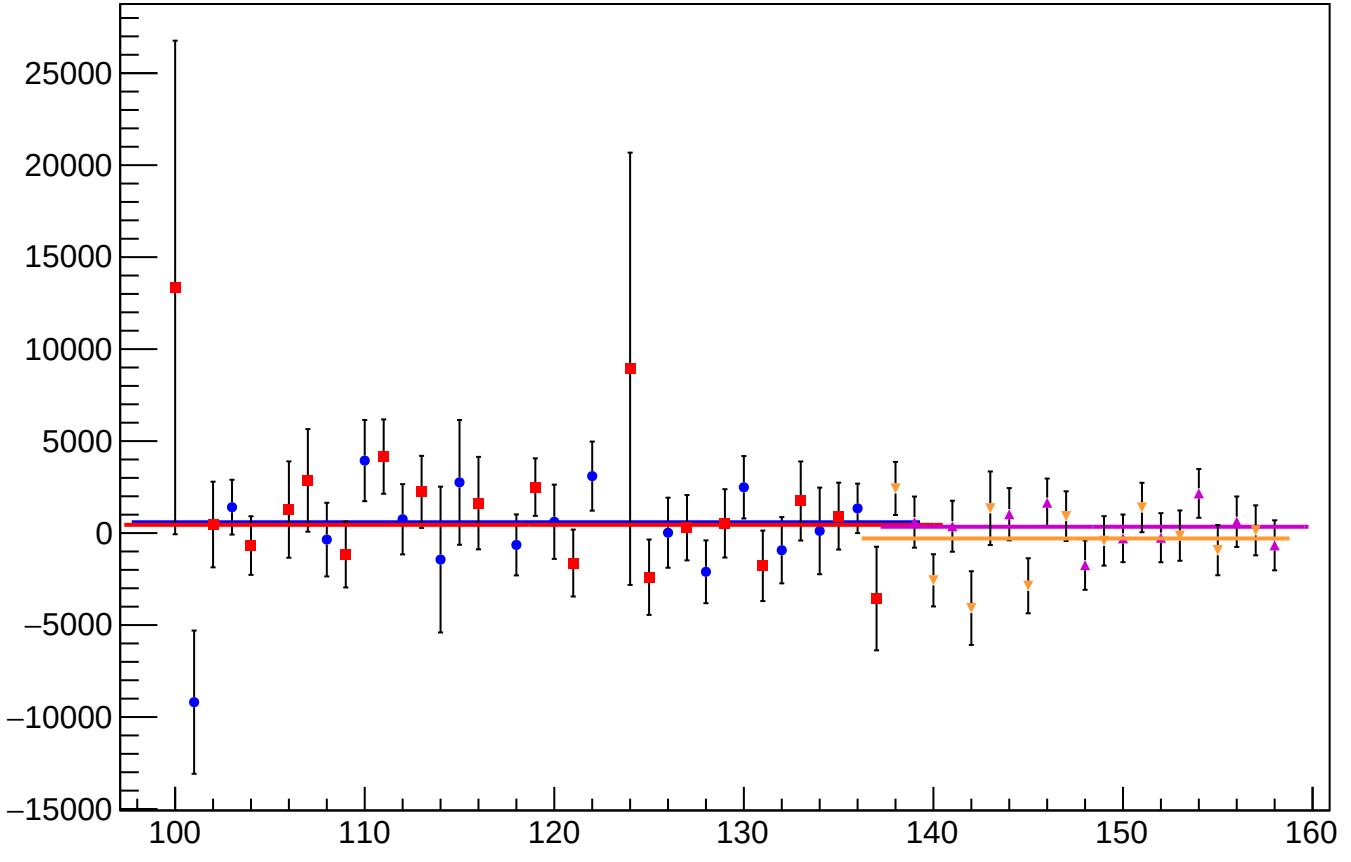
Left In: 627.943+/-0.152 χ^2/NDF:198032.1/9

+ sign 741.475+/-0.141 χ^2/NDF: 3835071.1/26

All: 732.878+/-0.098 χ^2/NDF: 7465065.2/55

- sign 724.817+/-0.136 χ^2/NDF: 3622766.9/28

eigen_cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -293.117+/-438.941 χ^2/NDF:16.0/10

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

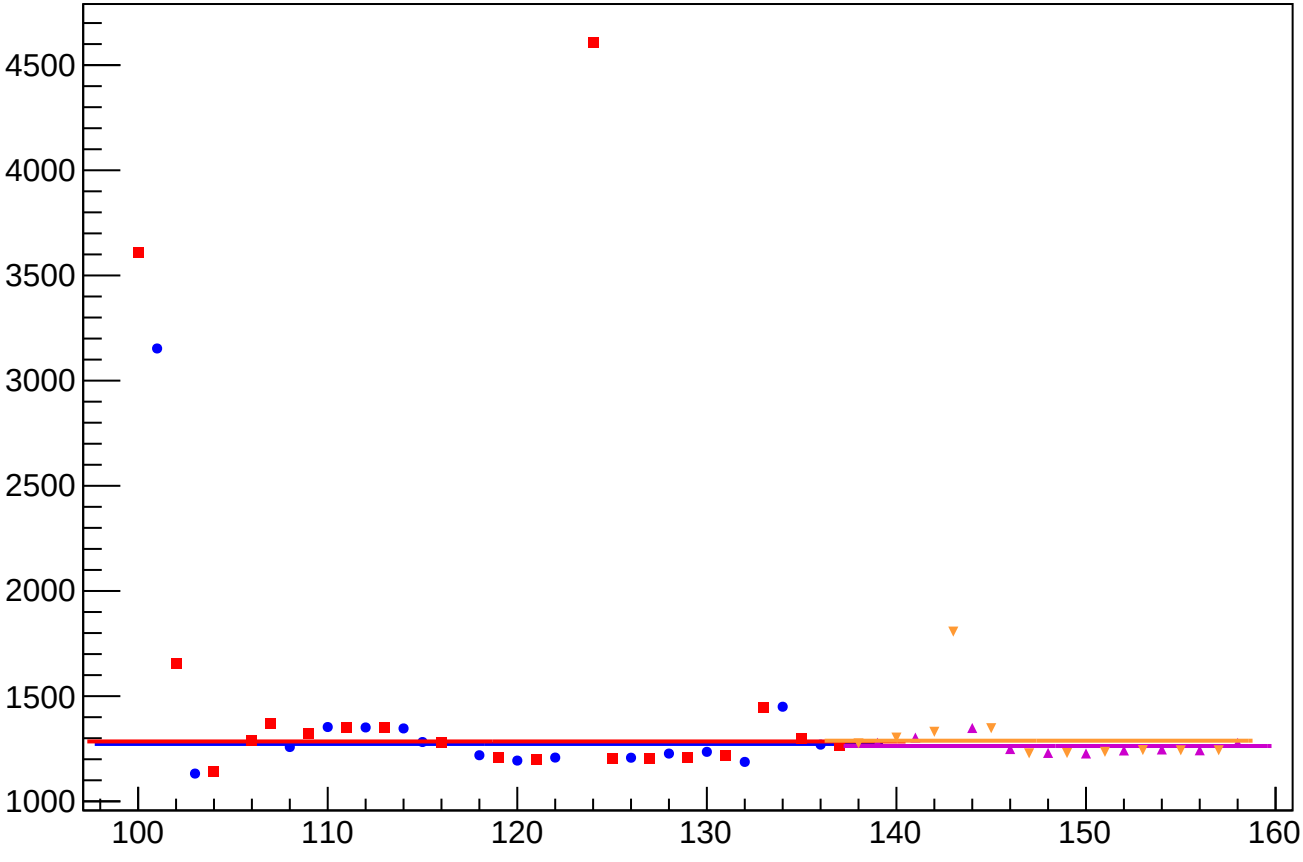
Left In: 343.688+/-427.742 χ^2/NDF:6.6/9

+ sign 105.604+/-324.668 χ^2/NDF: 34.9/26

All: 249.927+/-227.811 χ^2/NDF: 58.7/55

- sign 389.898+/-319.735 χ^2/NDF: 23.4/28

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1288.230+/-0.310 χ^2/NDF:156380.0/10

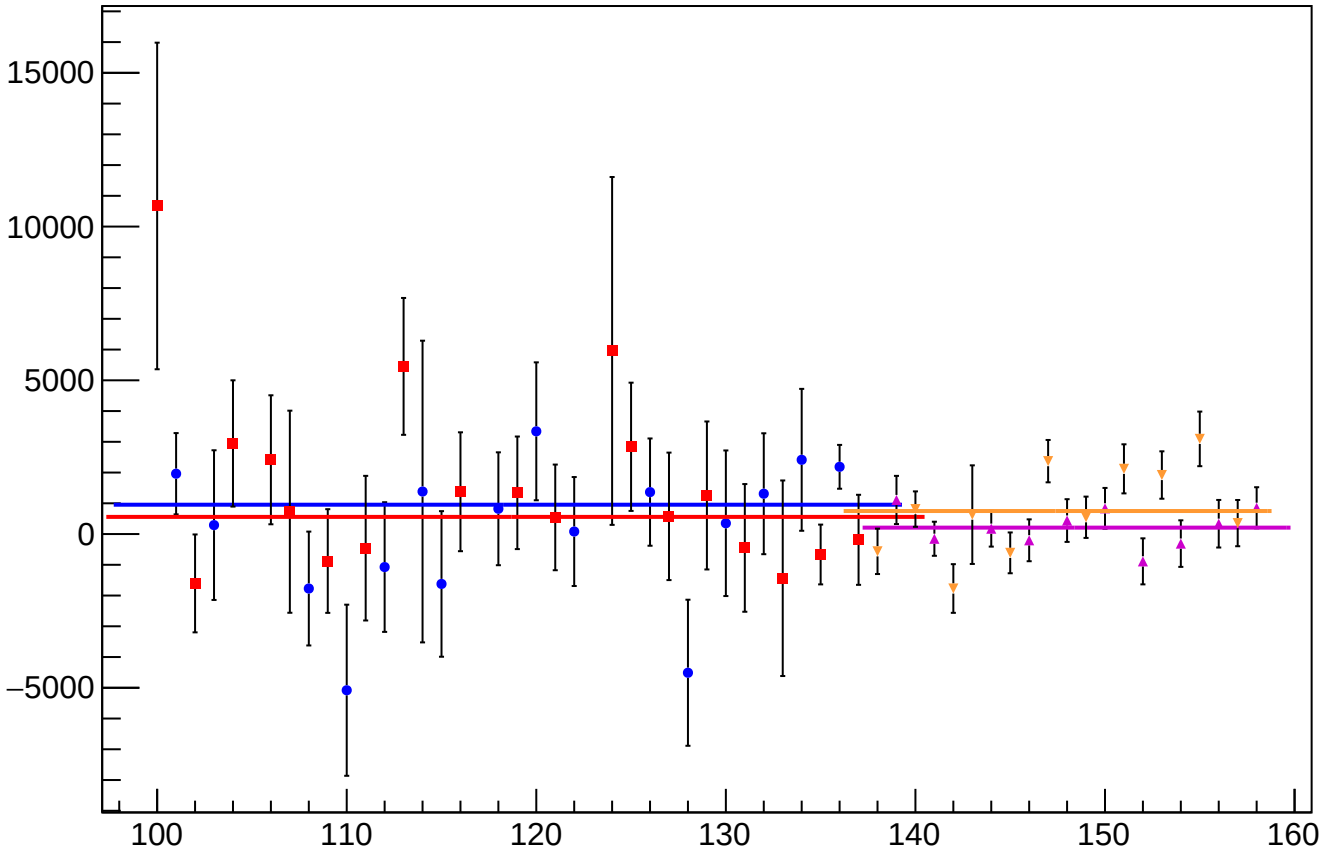
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1262.964+/-0.302 χ^2/NDF:13617.6/9

+ sign 1281.244+/-0.230 χ^2/NDF: 676798.3/26

All: 1276.823+/-0.161 χ^2/NDF: 1022150.5/55

- sign 1272.535+/-0.226 χ^2/NDF: 344621.7/28



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 748.730+/-225.231 χ^2/NDF:35.7/10

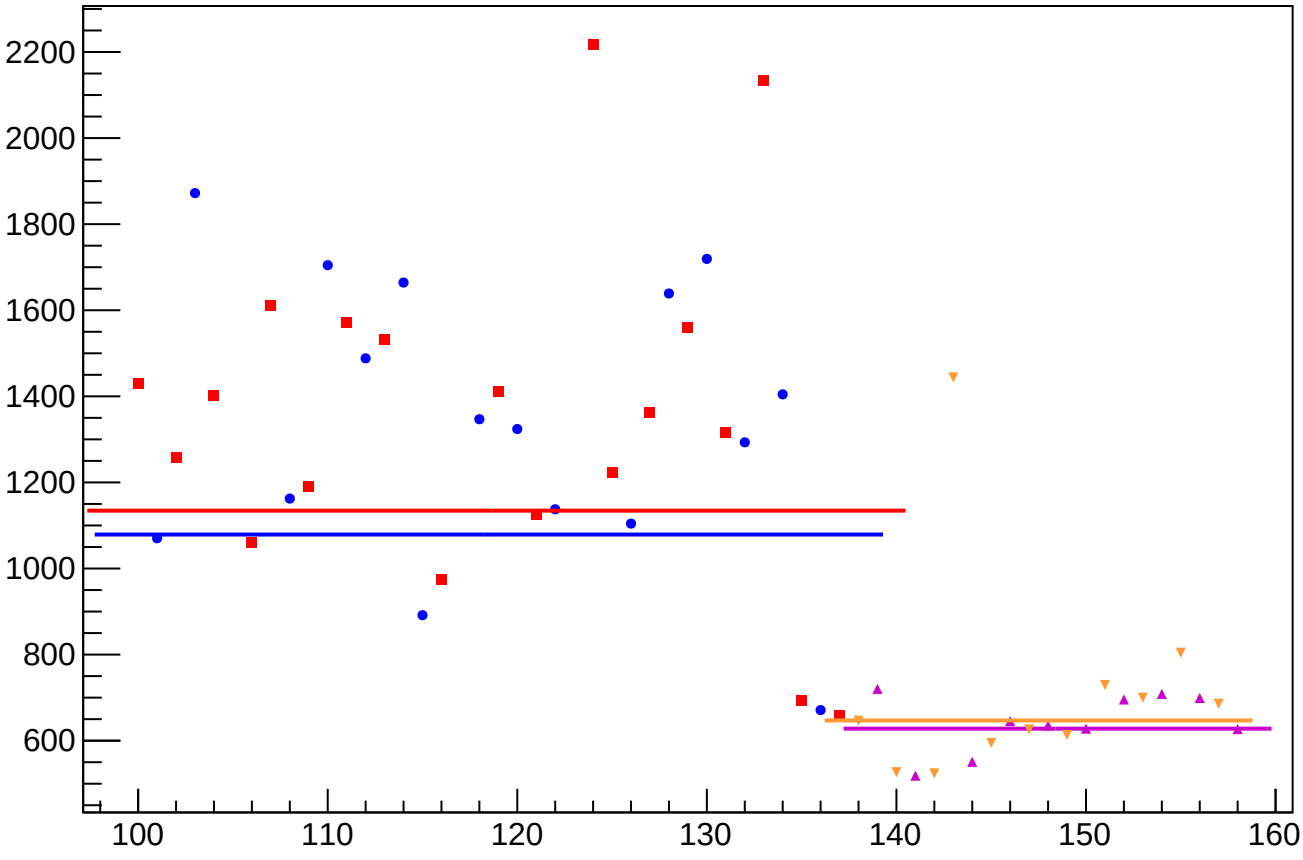
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 208.524+/-214.348 χ^2/NDF:6.7/9

\+ sign 793.662+/-199.079 χ^2/NDF: 55.7/26

All: 526.155+/-138.483 χ^2/NDF: 84.8/55

\- sign 275.355+/-192.762 χ^2/NDF: 25.6/28



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 646.994+/-0.159 χ^2/NDF:747398.9/10

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

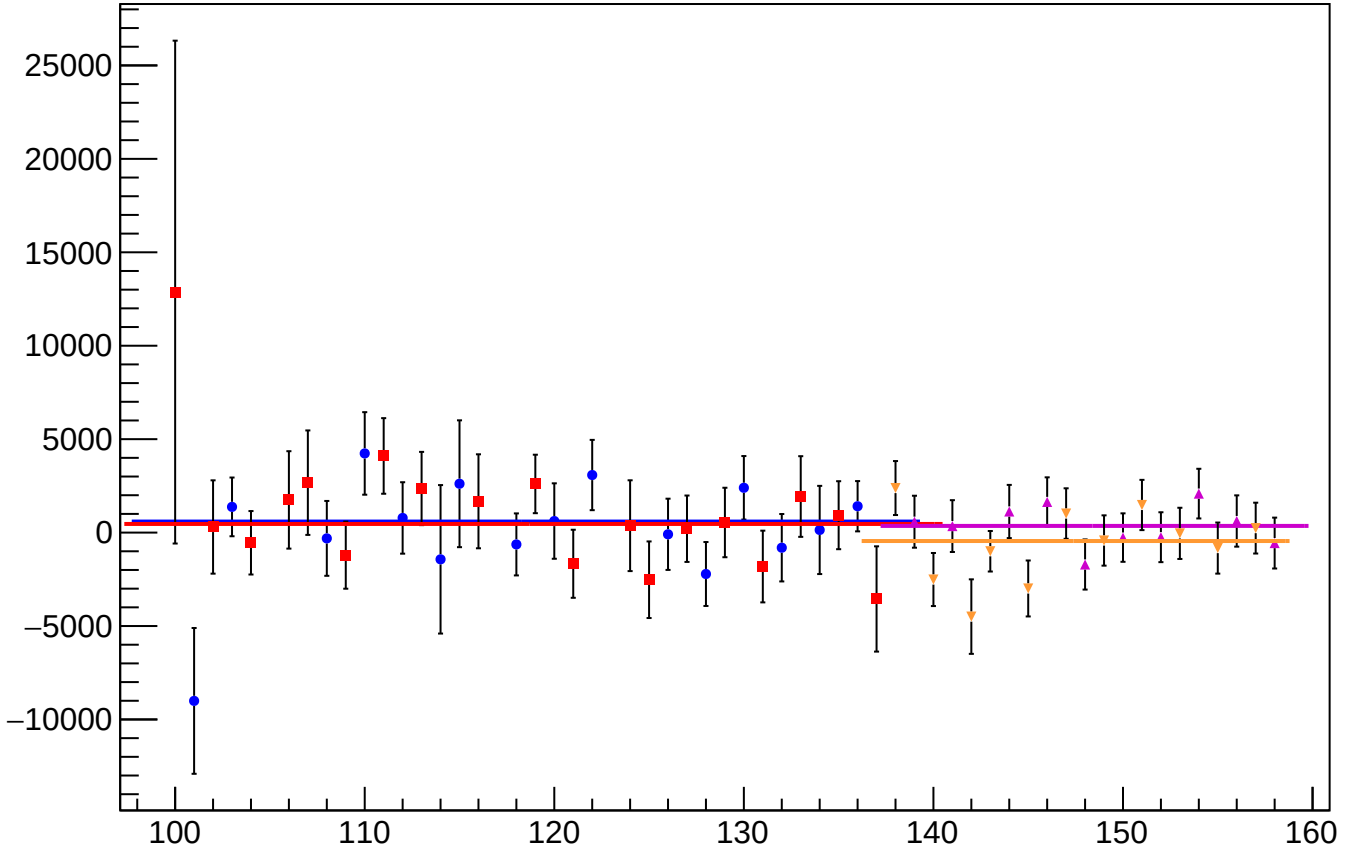
Left In: 627.943+/-0.152 χ^2/NDF:198032.1/9

\+ sign 741.475+/-0.141 χ^2/NDF: 3835071.1/26

All: 732.878+/-0.098 χ^2/NDF: 7465065.2/55

\- sign 724.817+/-0.136 χ^2/NDF: 3622766.9/28

dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -451.272+/-415.740 χ^2/NDF:16.9/10

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

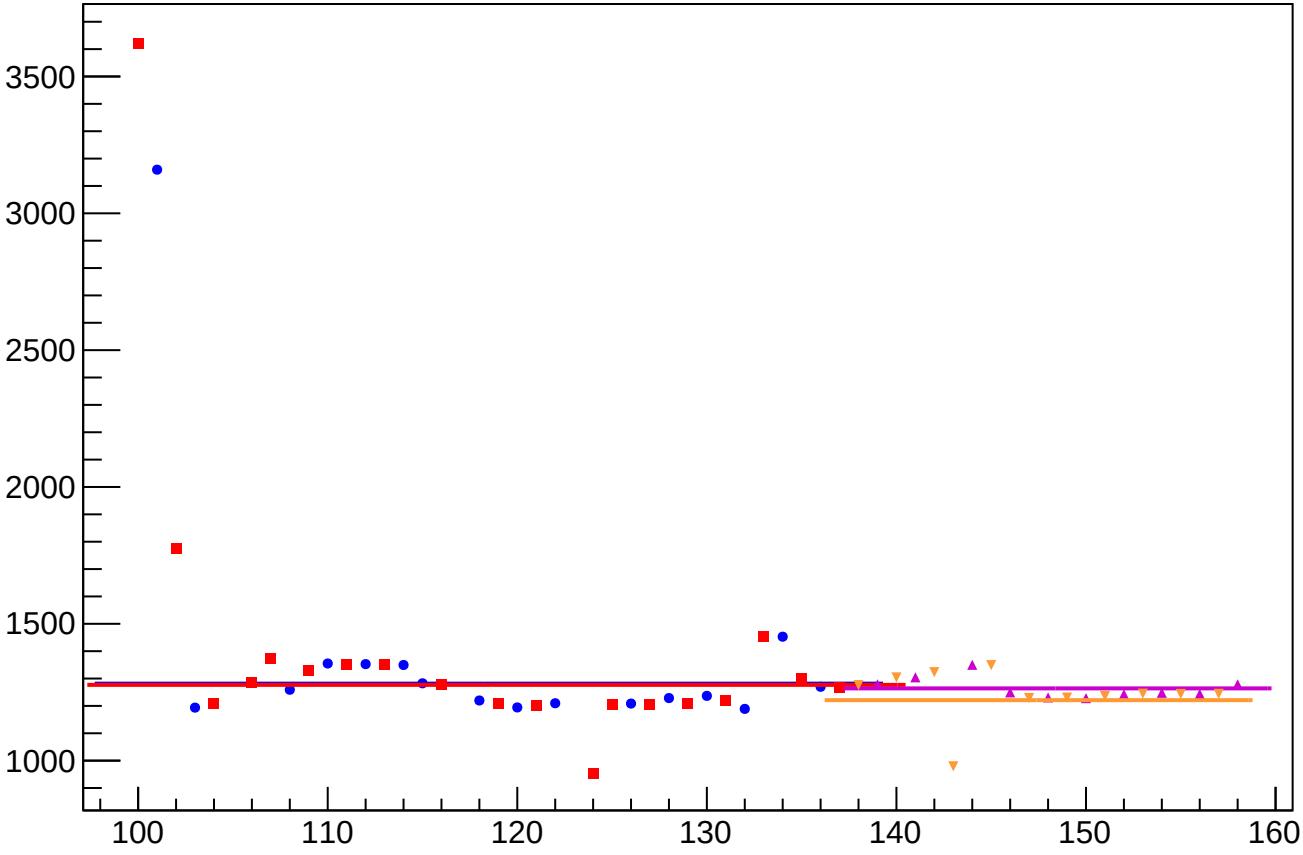
Left In: 357.693+/-428.095 χ^2/NDF:6.3/9

+ sign -10.600+/-315.778 χ^2/NDF: 36.6/26

All: 195.153+/-224.259 χ^2/NDF: 60.5/55

- sign 404.520+/-318.539 χ^2/NDF: 23.0/28

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1220.968+/-0.294 χ^2/NDF:131254.4/10

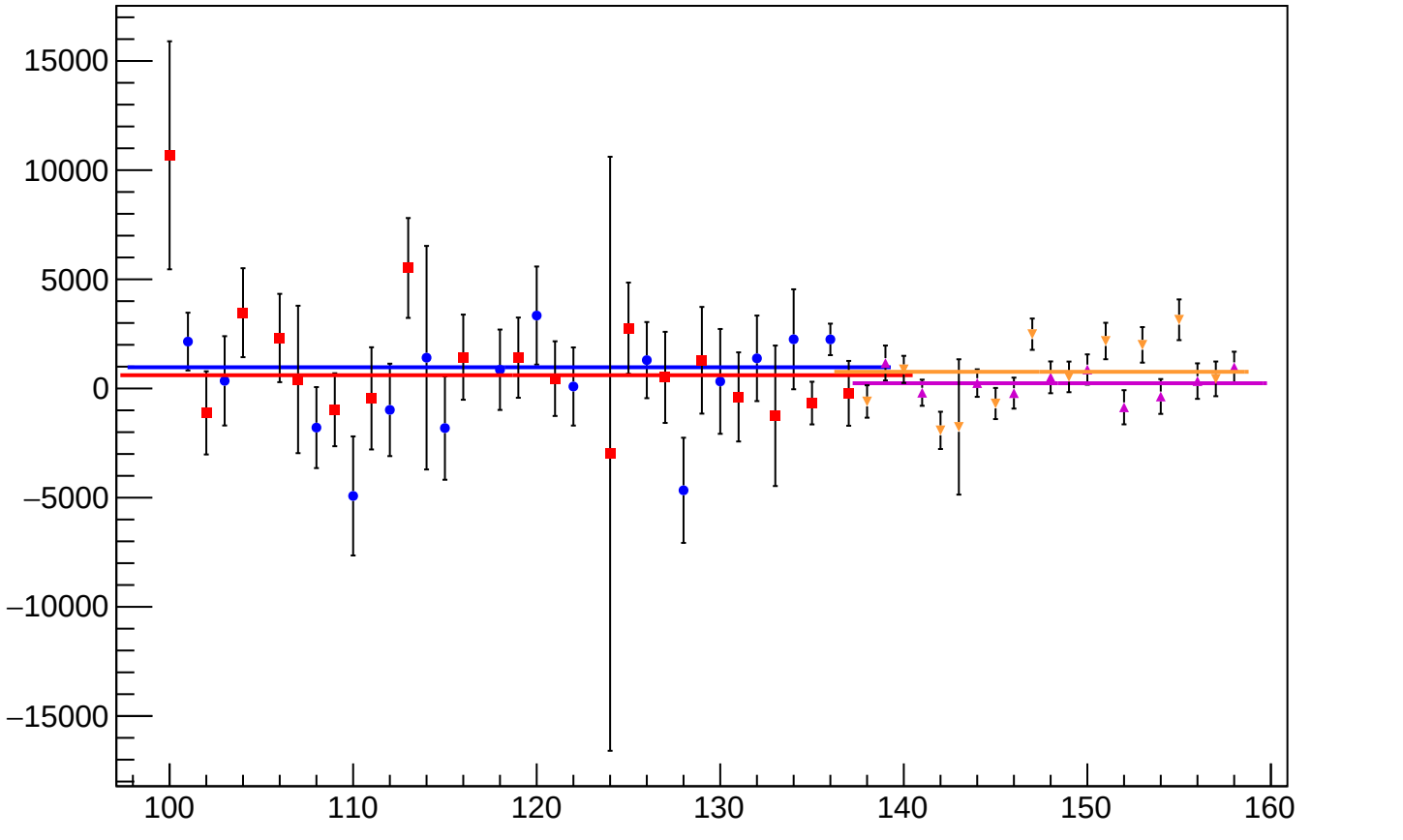
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1263.999+/-0.303 χ^2/NDF:13747.6/9

+ sign 1246.522+/-0.223 χ^2/NDF: 656193.0/26

All: 1258.030+/-0.159 χ^2/NDF: 896618.6/55

- sign 1269.739+/-0.225 χ^2/NDF: 235066.9/28



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 764.681+/-239.039 χ^2/NDF:35.8/10

Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

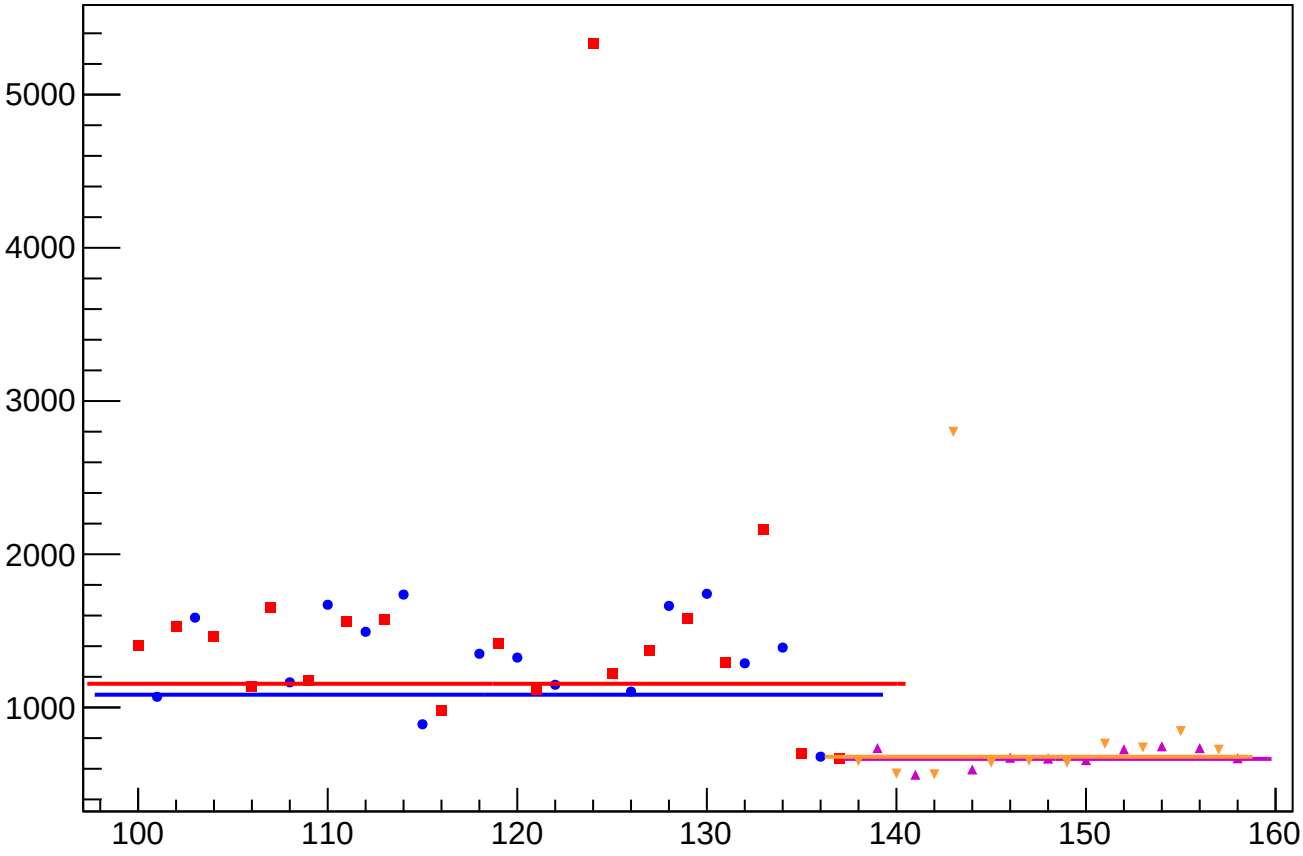
Left In: 240.791+/-226.406 χ^2/NDF:6.9/9

+ sign 814.534+/-208.371 χ^2/NDF: 56.4/26

All: 557.404+/-145.052 χ^2/NDF: 83.9/55

- sign 315.655+/-202.043 χ^2/NDF: 24.5/28

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 678.507+/-0.169 χ^2/NDF:1155522.0/10

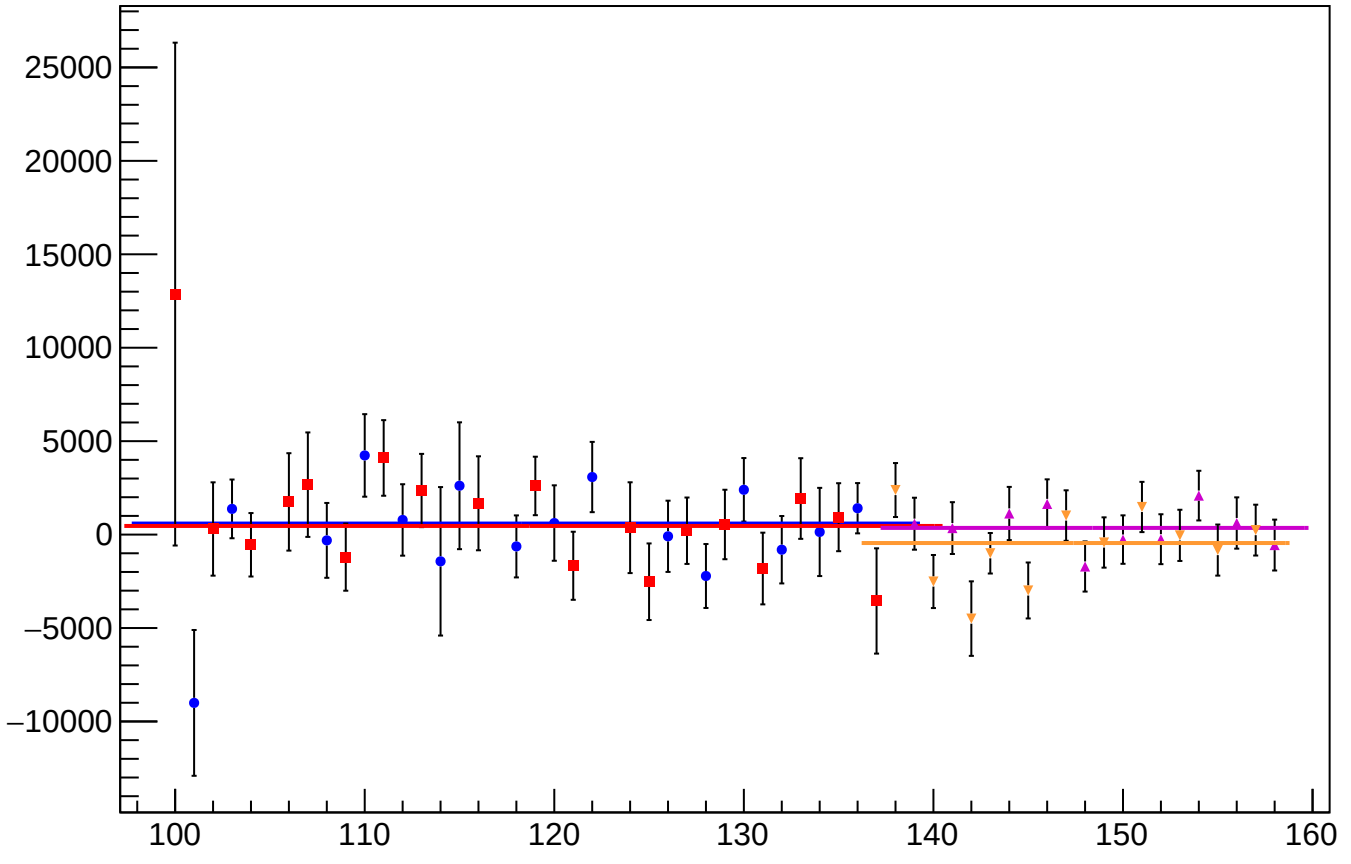
Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 664.408+/-0.160 χ^2/NDF:148962.3/9

+ sign 775.719+/-0.147 χ^2/NDF: 3893149.7/26

All: 769.809+/-0.103 χ^2/NDF: 7443635.8/55

- sign 764.253+/-0.143 χ^2/NDF: 3547364.6/28



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -451.273+/-415.740 χ^2/NDF:16.9/10

Right Out: 462.605+/-476.795 χ^2/NDF: 16.7/18

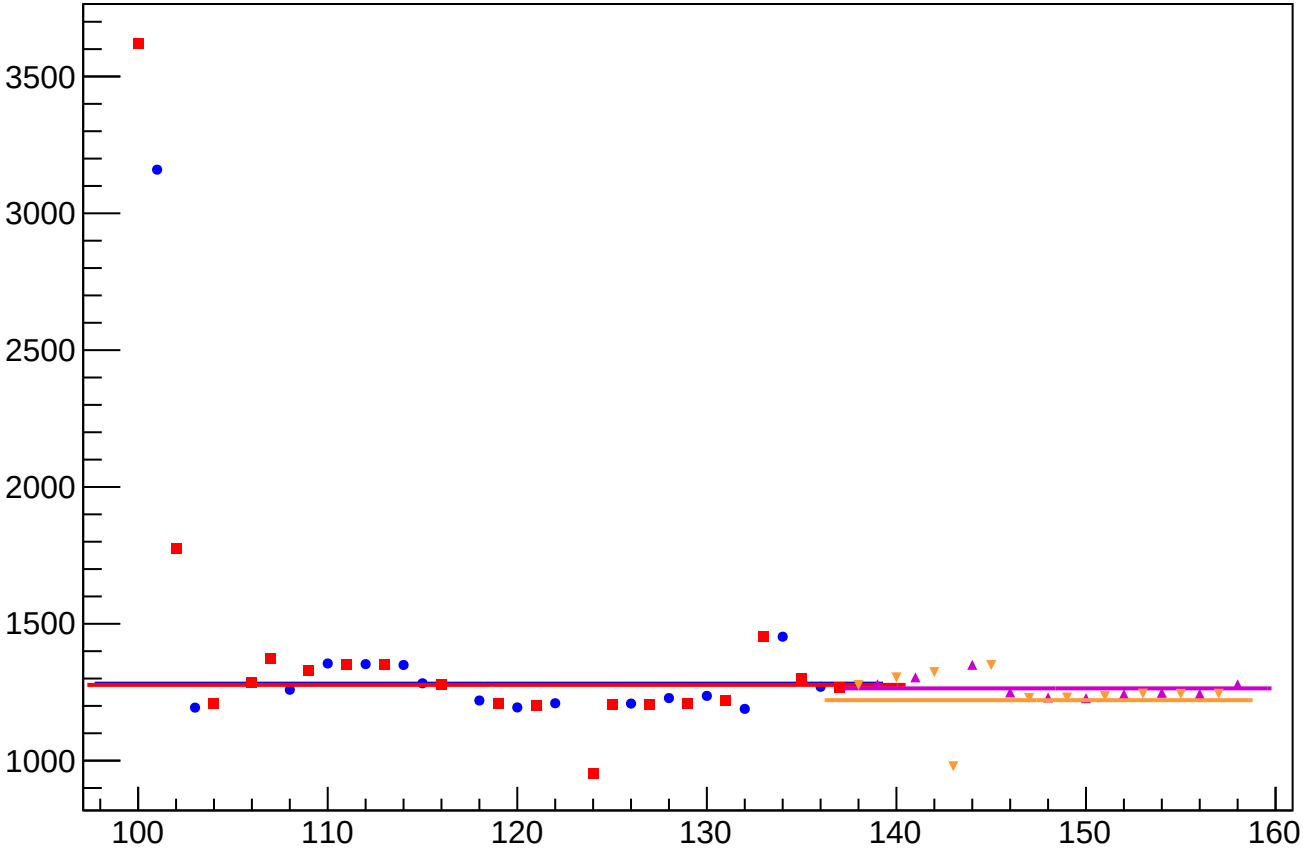
Left In: 357.696+/-428.095 χ^2/NDF:6.3/9

+ sign -10.600+/-315.778 χ^2/NDF: 36.6/26

All: 195.153+/-224.259 χ^2/NDF: 60.5/55

- sign 404.521+/-318.539 χ^2/NDF: 23.0/28

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1220.968+/-0.294 χ^2/NDF:131253.7/10

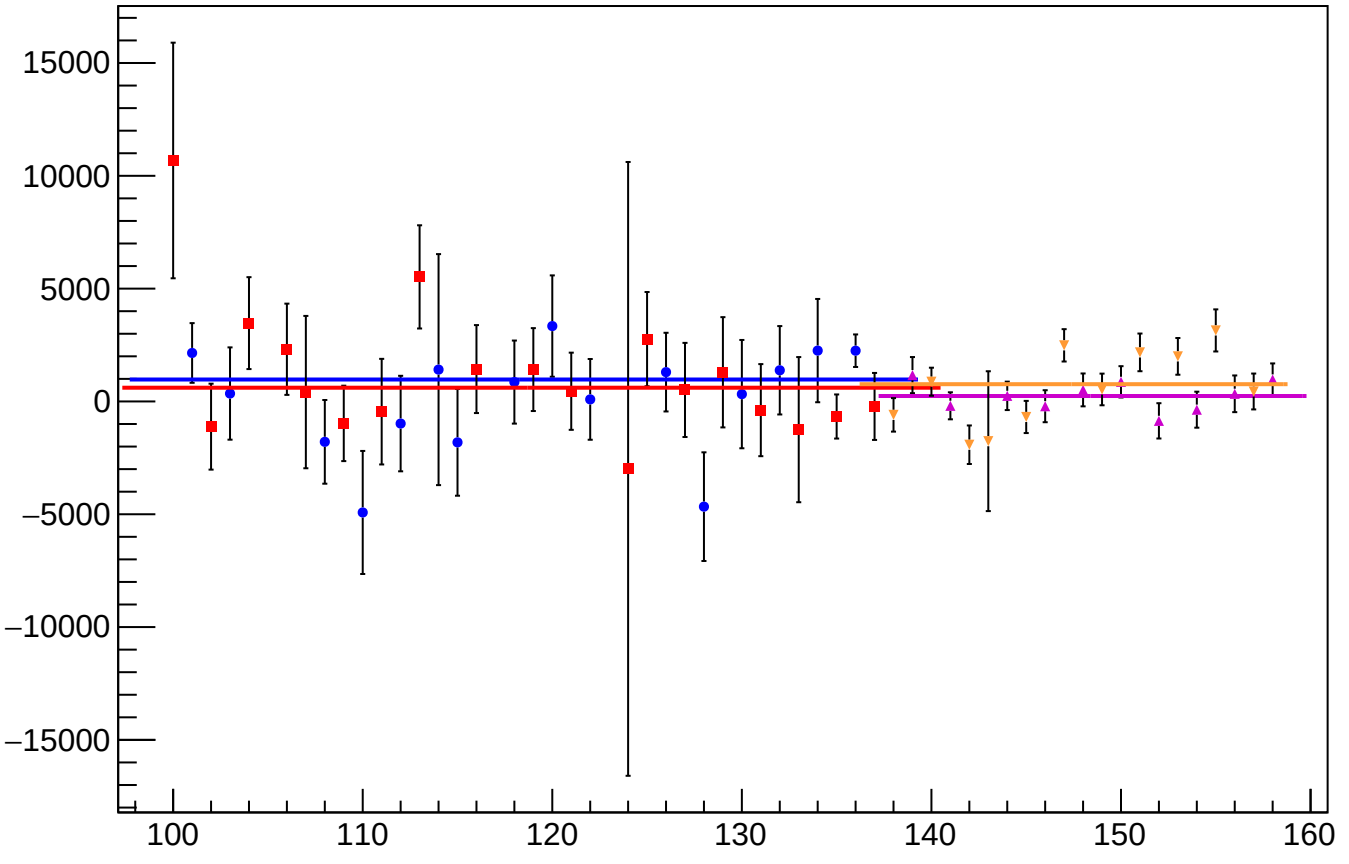
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1263.999+/-0.303 χ^2/NDF:13747.6/9

+ sign 1246.522+/-0.223 χ^2/NDF: 656192.3/26

All: 1258.030+/-0.159 χ^2/NDF: 896617.8/55

- sign 1269.739+/-0.225 χ^2/NDF: 235066.8/28



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 764.685+/-239.040 χ^2/NDF:35.8/10

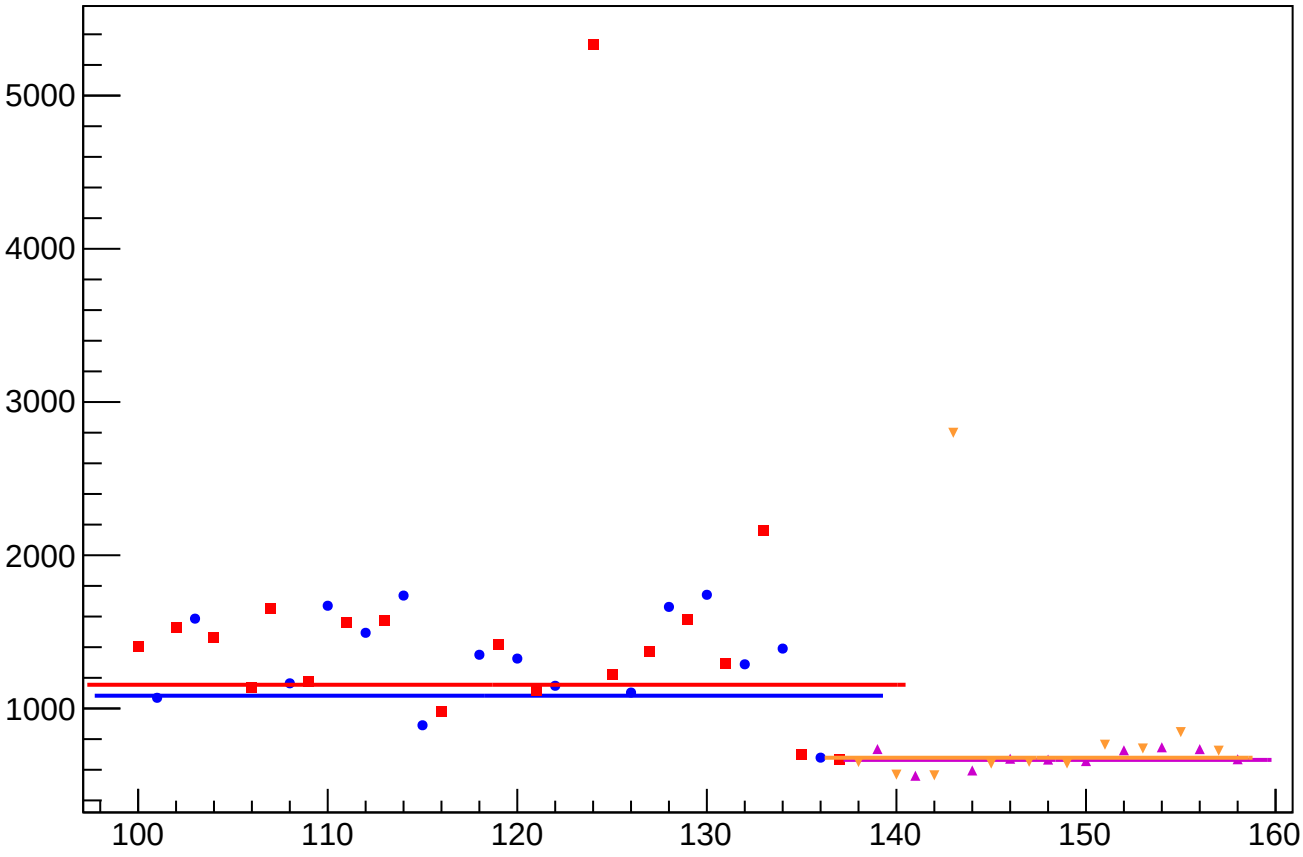
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 240.790+/-226.406 χ^2/NDF:6.9/9

+ sign 814.536+/-208.372 χ^2/NDF: 56.4/26

All: 557.405+/-145.052 χ^2/NDF: 83.9/55

- sign 315.656+/-202.044 χ^2/NDF: 24.5/28



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 678.508+/-0.169 χ^2/NDF:1155513.9/10

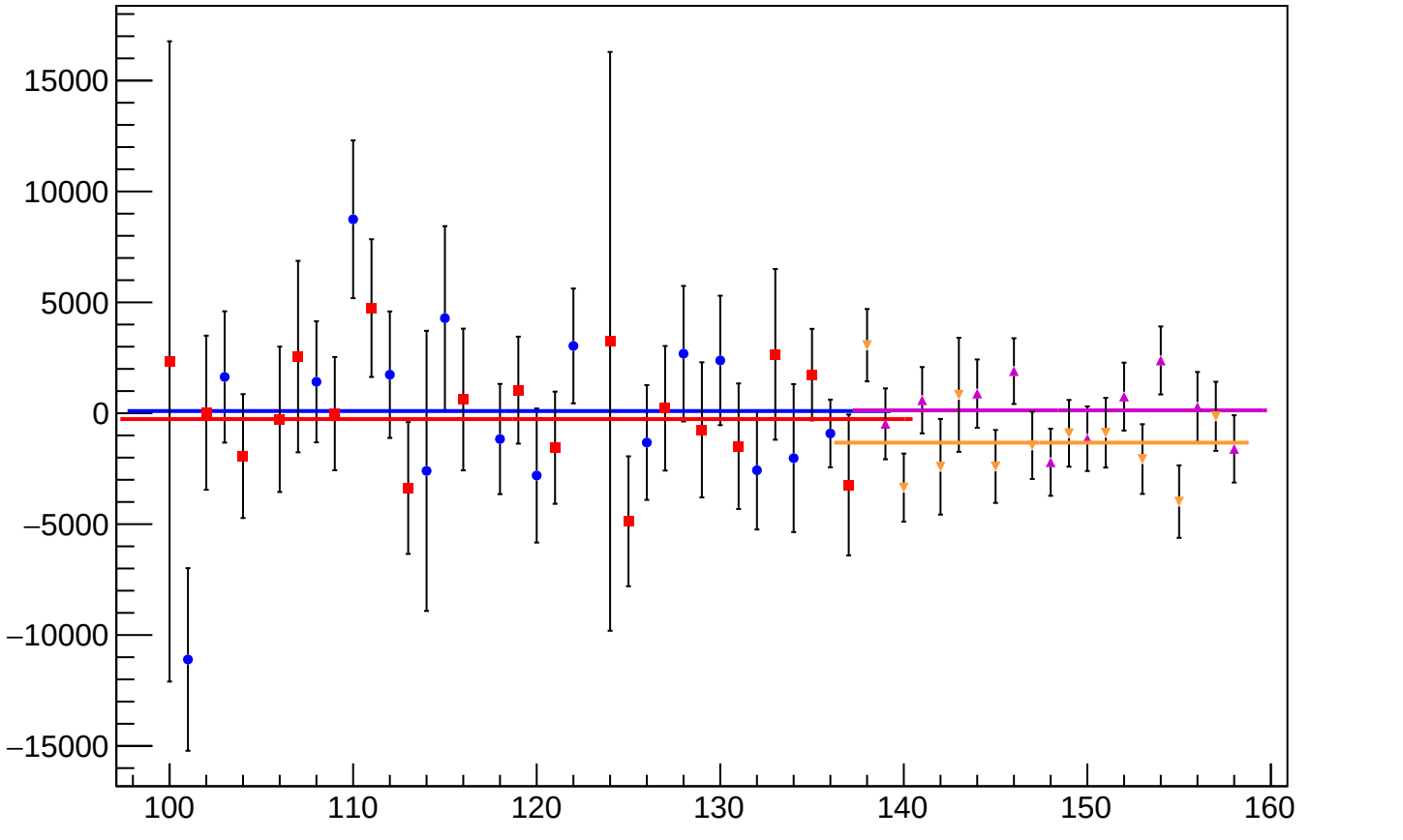
Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 664.408+/-0.160 χ^2/NDF:148964.4/9

+ sign 775.722+/-0.147 χ^2/NDF: 3893109.7/26

All: 769.811+/-0.103 χ^2/NDF: 7443588.4/55

- sign 764.254+/-0.143 χ^2/NDF: 3547356.4/28



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1326.223+/-499.420 χ^2/NDF:14.0/10

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

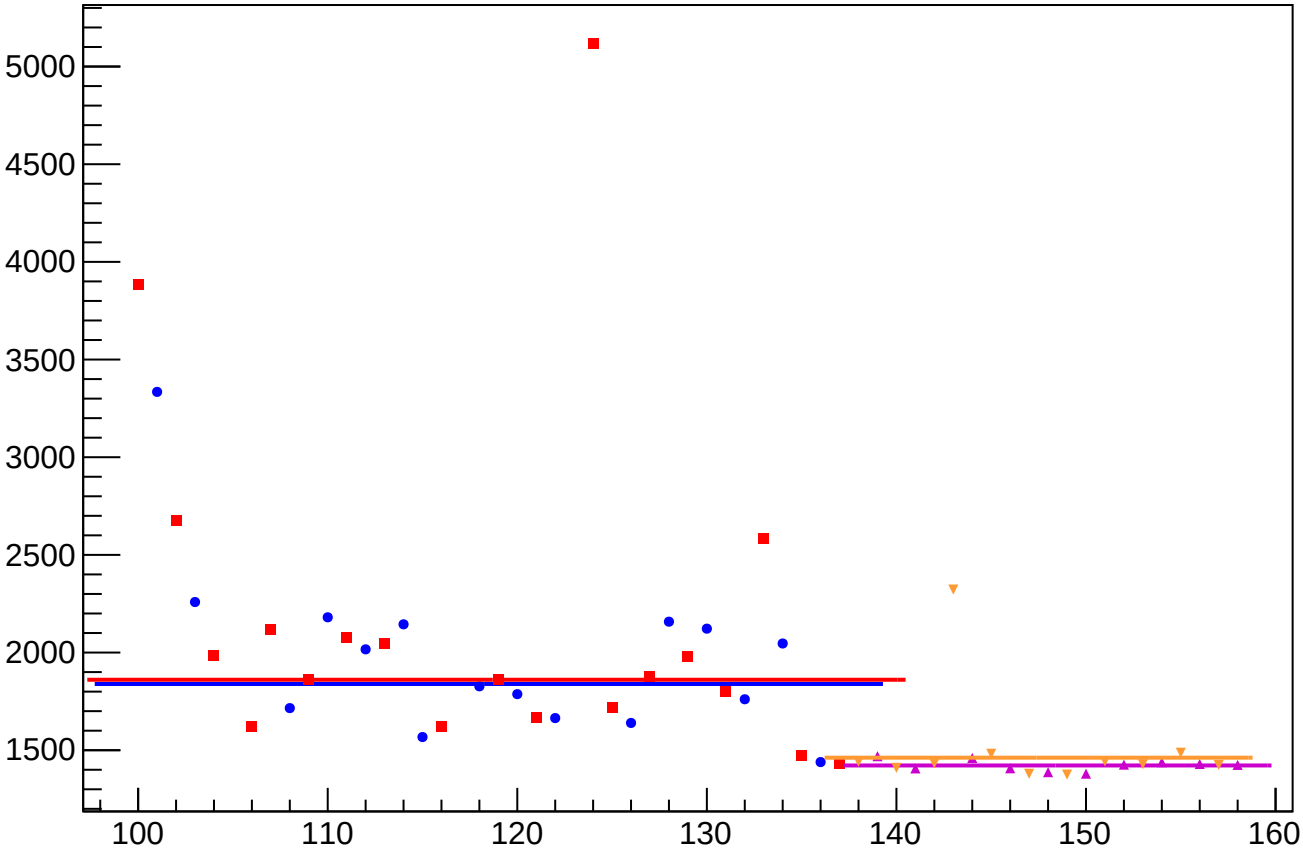
Left In: 129.264+/-481.560 χ^2/NDF:8.7/9

\+ sign -844.051+/-406.355 χ^2/NDF: 38.0/26

All: -410.196+/-283.859 χ^2/NDF: 59.5/55

\- sign 3.274+/-396.693 χ^2/NDF: 19.3/28

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1461.829+/-0.353 χ^2/NDF:242538.6/10

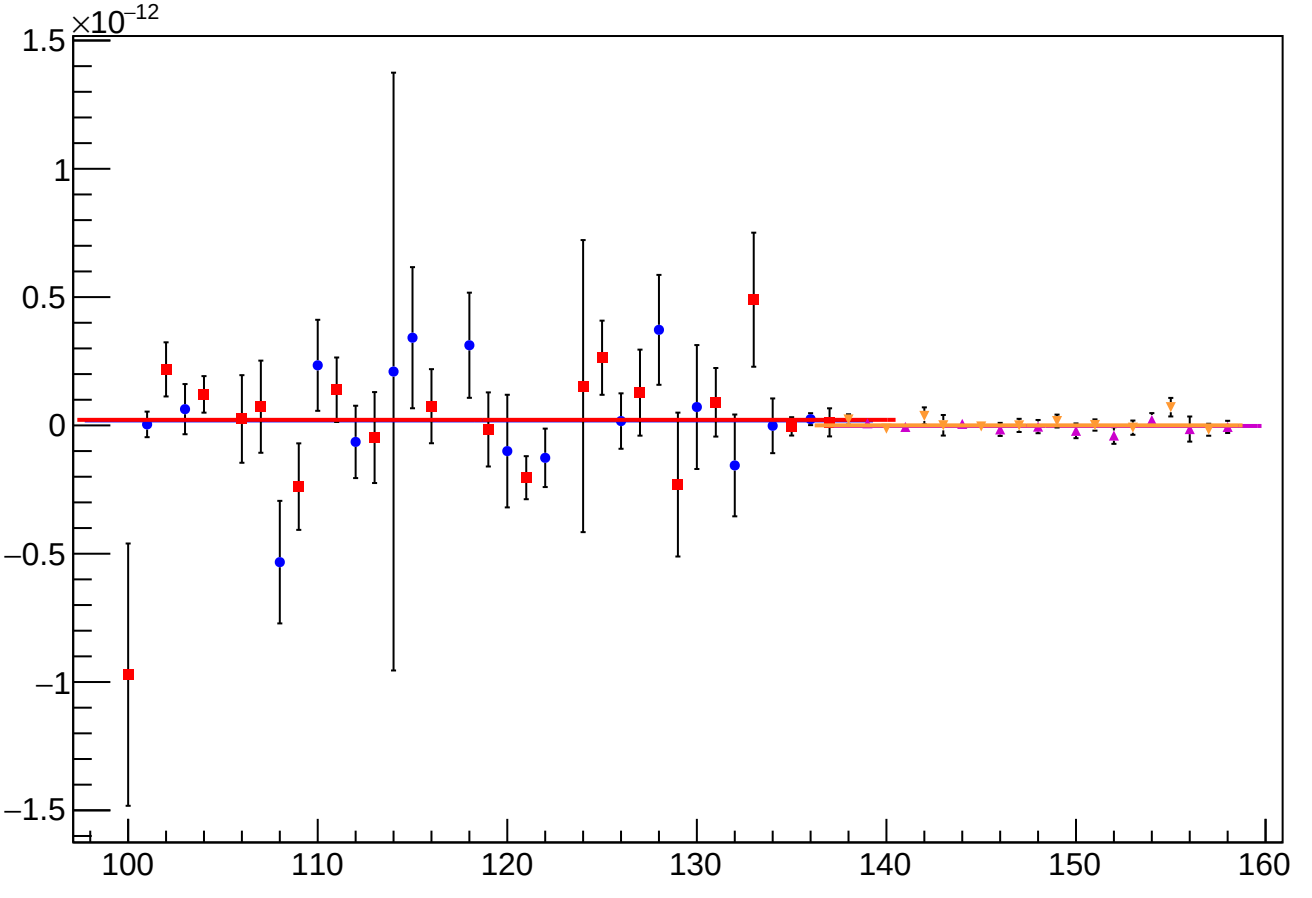
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1422.020+/-0.341 χ^2/NDF:6405.5/9

+ sign 1589.340+/-0.287 χ^2/NDF: 1185019.9/26

All: 1575.871+/-0.201 χ^2/NDF: 2251404.2/55

- sign 1563.035+/-0.281 χ^2/NDF: 1062092.9/28



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.0/10

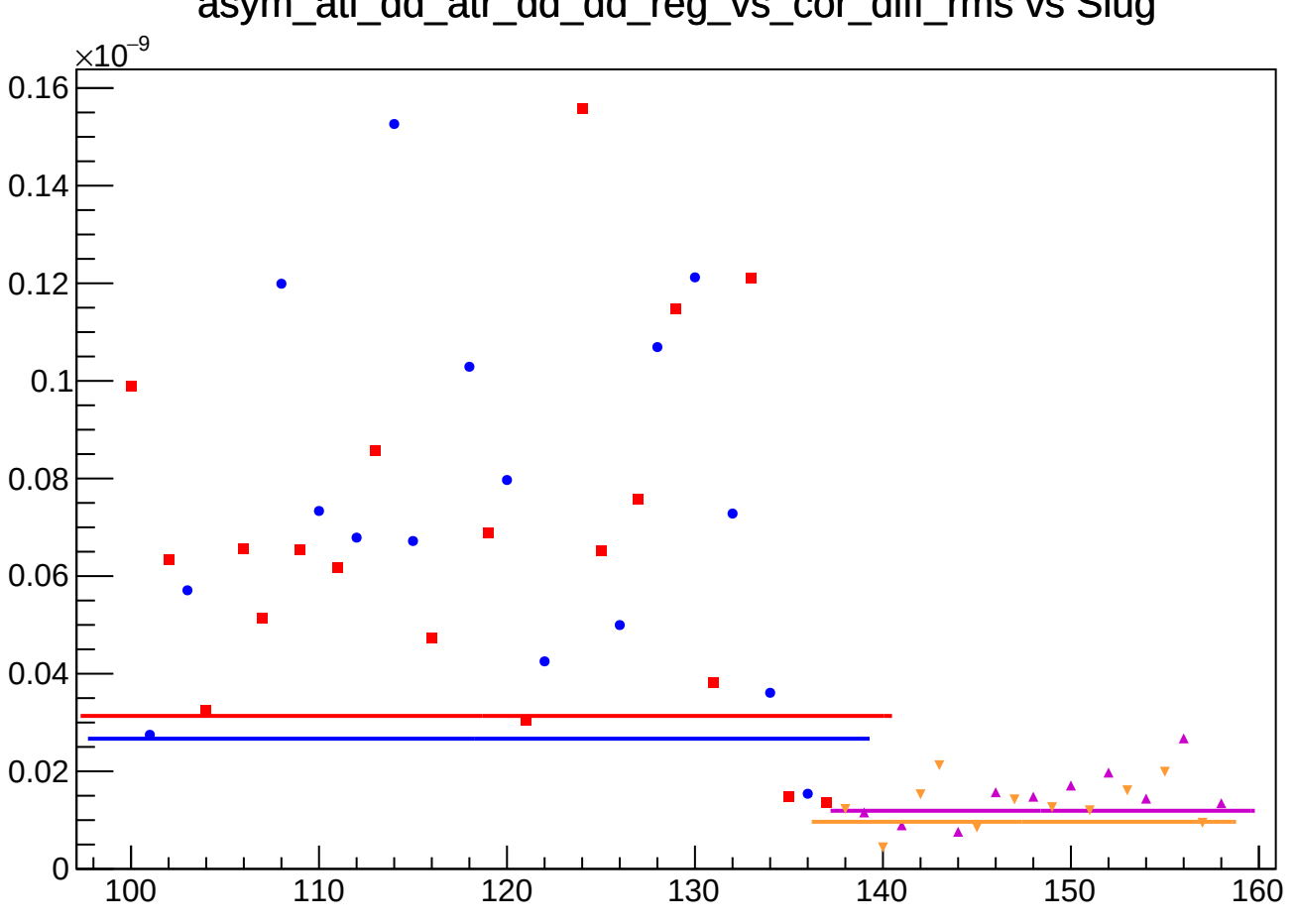
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:3.6/9

+ sign 0.000+/-0.000 χ^2/NDF: 26.4/26

All: 0.000+/-0.000 χ^2/NDF: 59.3/55

- sign -0.000+/-0.000 χ^2/NDF: 32.9/28



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1136099.0/10

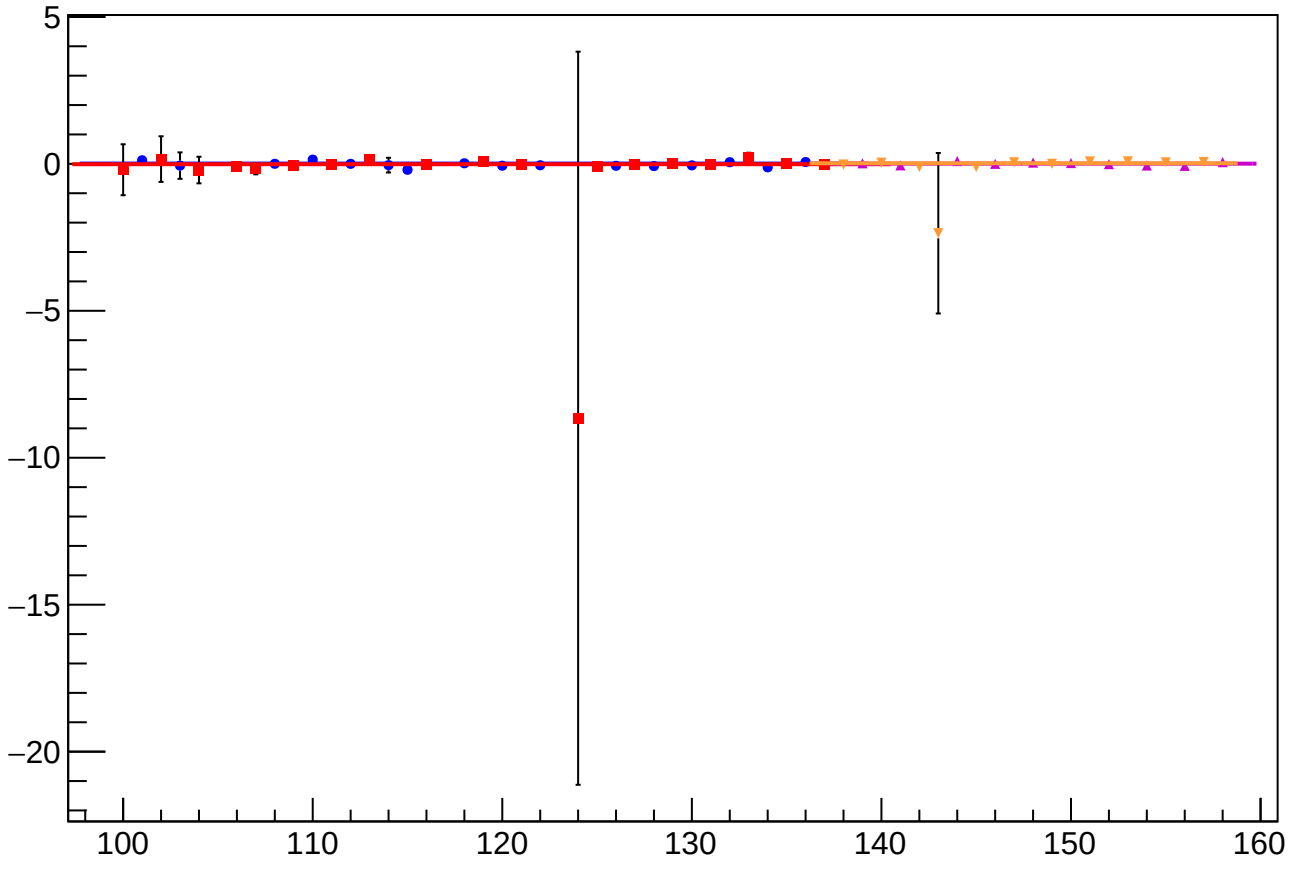
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:737470.9/9

+ sign 0.000+/-0.000 χ^2/NDF: 5195975.0/26

All: 0.000+/-0.000 χ^2/NDF: 9729875.8/55

- sign 0.000+/-0.000 χ^2/NDF: 4399026.8/28



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.019+/-0.014 χ^2/NDF:14.9/10

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

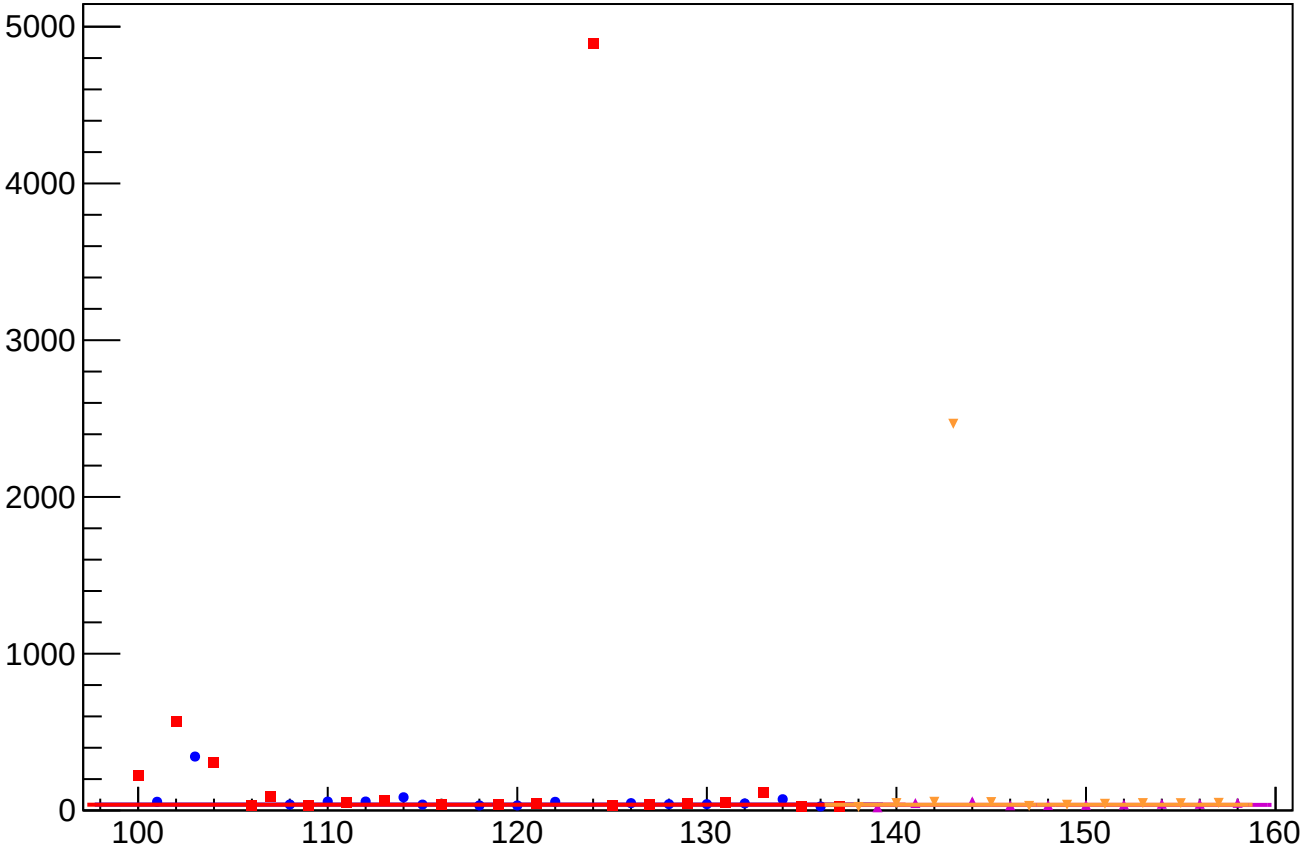
Left In: 0.006+/-0.013 χ^2/NDF:9.6/9

+ sign 0.014+/-0.011 χ^2/NDF: 34.4/26

All: 0.006+/-0.007 χ^2/NDF: 58.4/55

- sign -0.001+/-0.010 χ^2/NDF: 22.9/28

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 36.493+/-0.010 χ^2/NDF:2778479.6/10

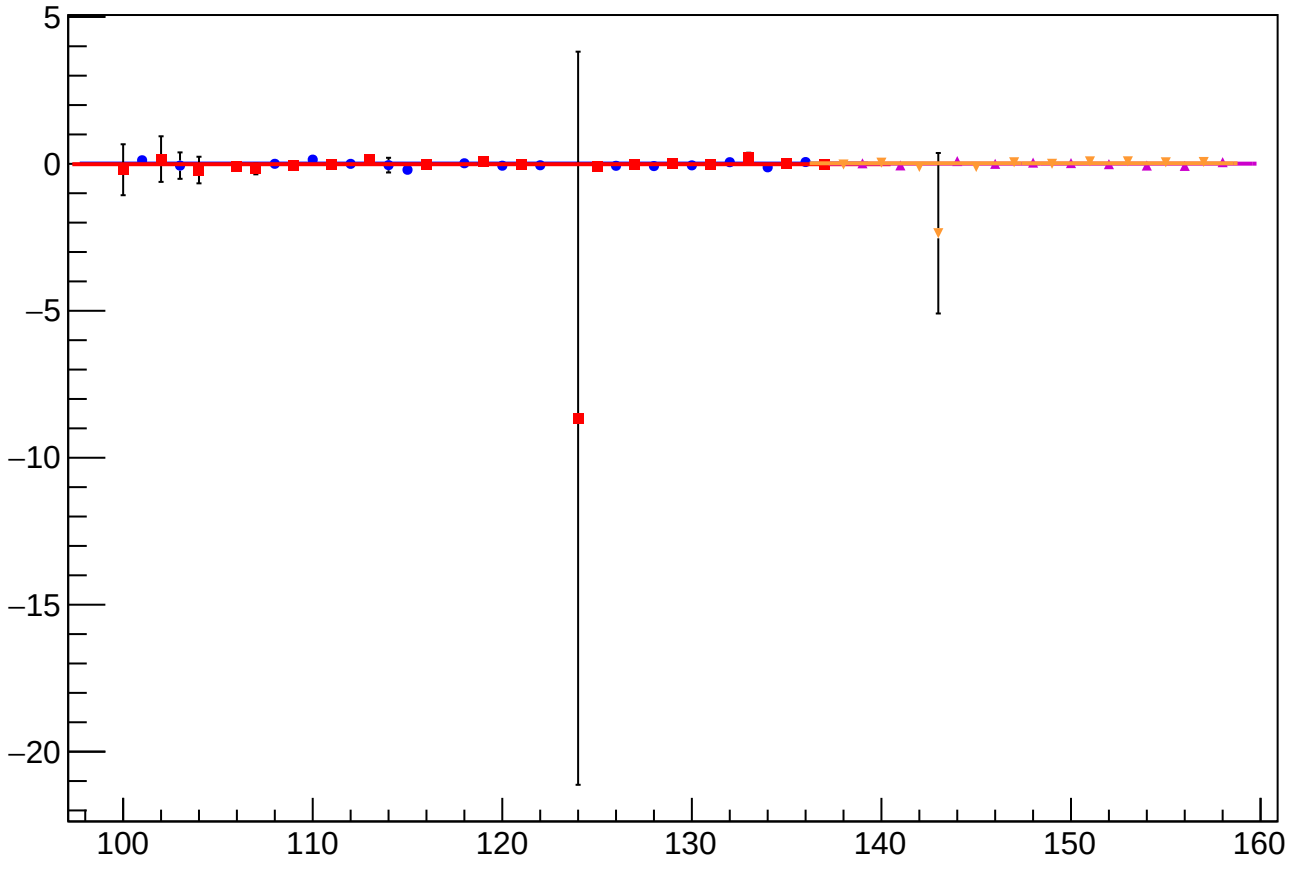
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 35.592+/-0.009 χ^2/NDF:1195282.8/9

+ sign 36.936+/-0.008 χ^2/NDF: 4766080.1/26

All: 36.483+/-0.005 χ^2/NDF: 9165121.5/55

- sign 36.054+/-0.007 χ^2/NDF: 4392053.1/28



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.019+/-0.014 χ^2/NDF:14.9/10

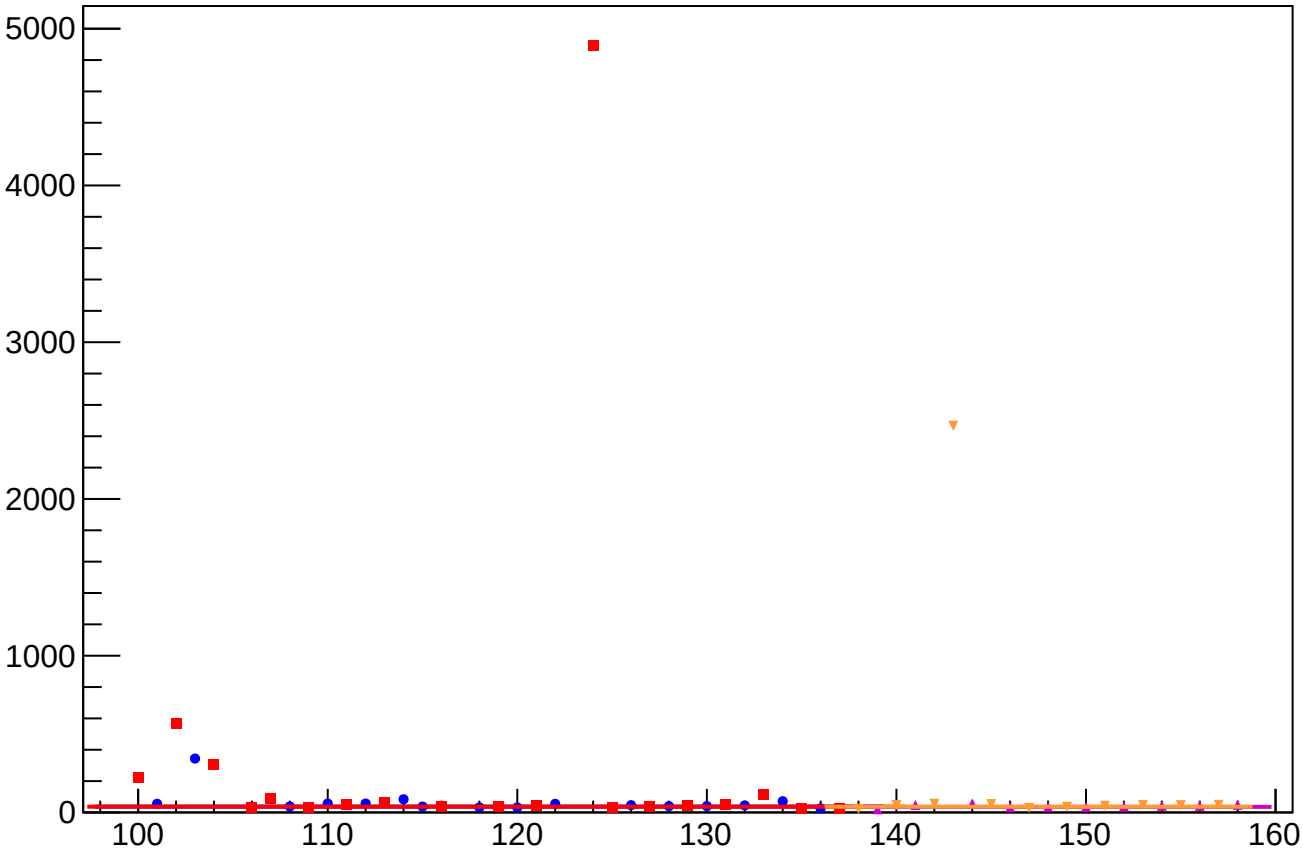
Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.006+/-0.013 χ^2/NDF:9.6/9

+ sign 0.014+/-0.011 χ^2/NDF: 34.4/26

All: 0.006+/-0.007 χ^2/NDF: 58.4/55

- sign -0.001+/-0.010 χ^2/NDF: 22.9/28



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 36.493+/-0.010 χ^2/NDF:2778479.6/10

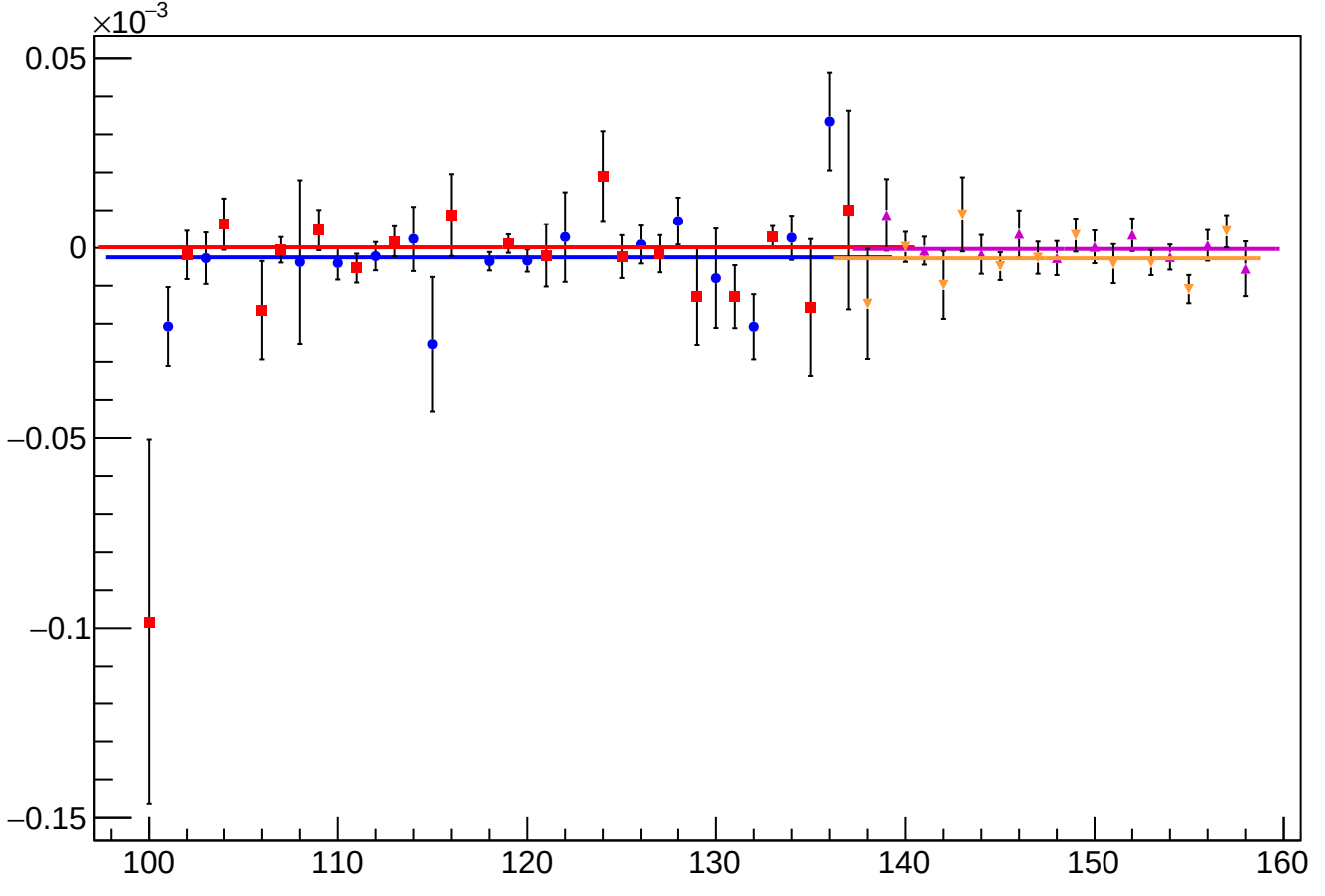
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 35.592+/-0.009 χ^2/NDF:1195282.8/9

+ sign 36.936+/-0.008 χ^2/NDF: 4766080.1/26

All: 36.483+/-0.005 χ^2/NDF: 9165121.5/55

- sign 36.054+/-0.007 χ^2/NDF: 4392053.1/28



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.3/10

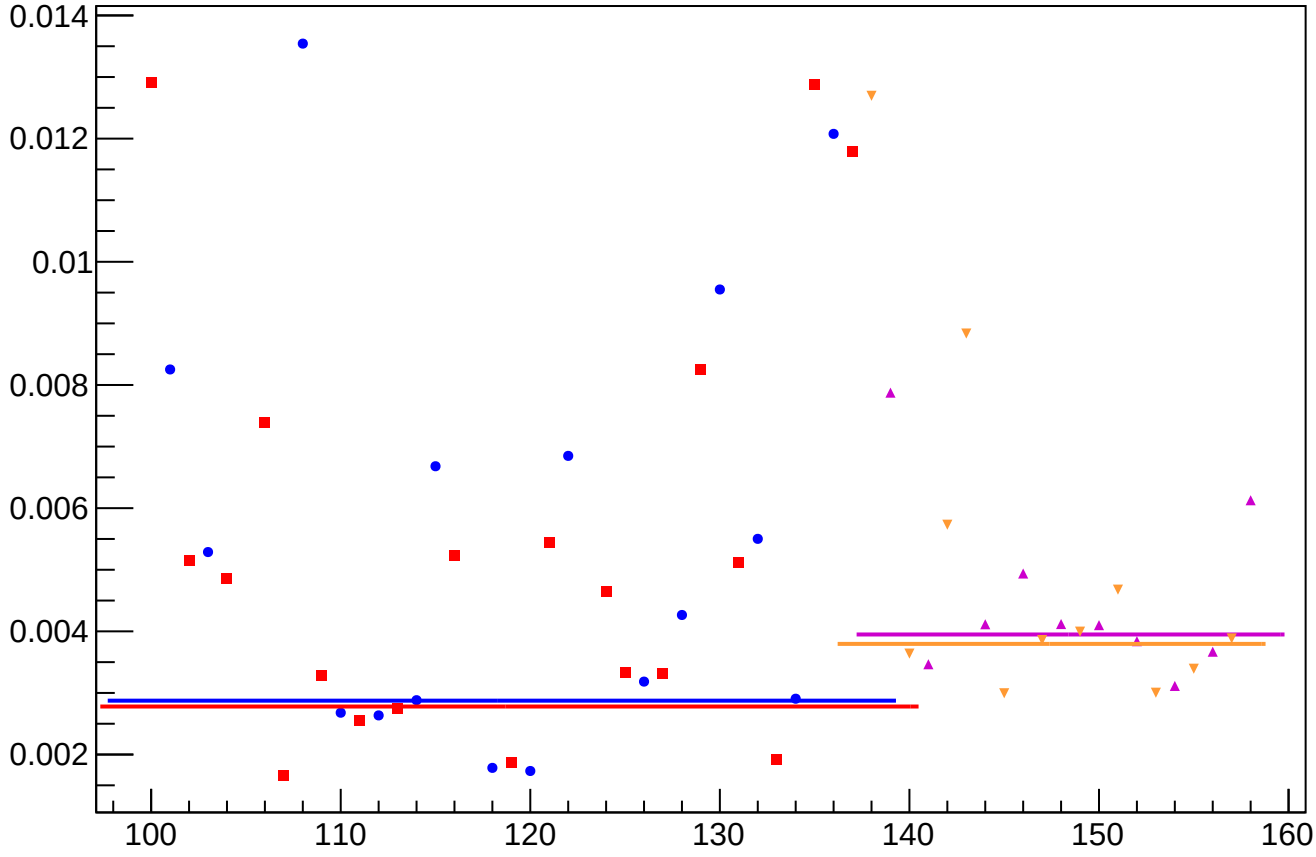
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:3.5/9

+ sign -0.000+/-0.000 χ^2/NDF: 35.2/26

All: -0.000+/-0.000 χ^2/NDF: 61.5/55

- sign -0.000+/-0.000 χ^2/NDF: 22.4/28



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:1675809.3/10

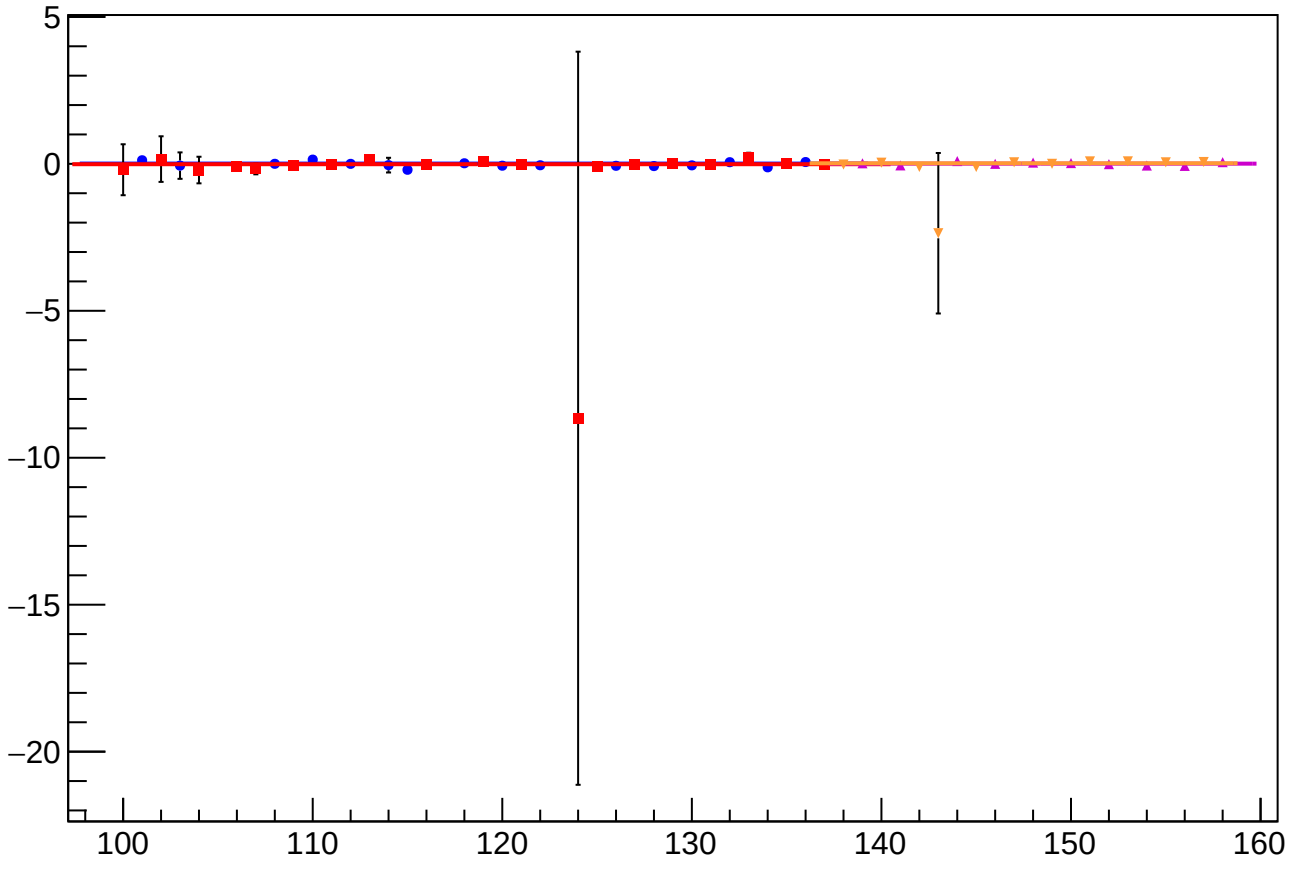
Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:755738.4/9

+ sign 0.003+/-0.000 χ^2/NDF: 6300359.4/26

All: 0.003+/-0.000 χ^2/NDF: 11158613.4/55

- sign 0.003+/-0.000 χ^2/NDF: 4852728.6/28



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.019+/-0.014 χ^2/NDF:14.9/10

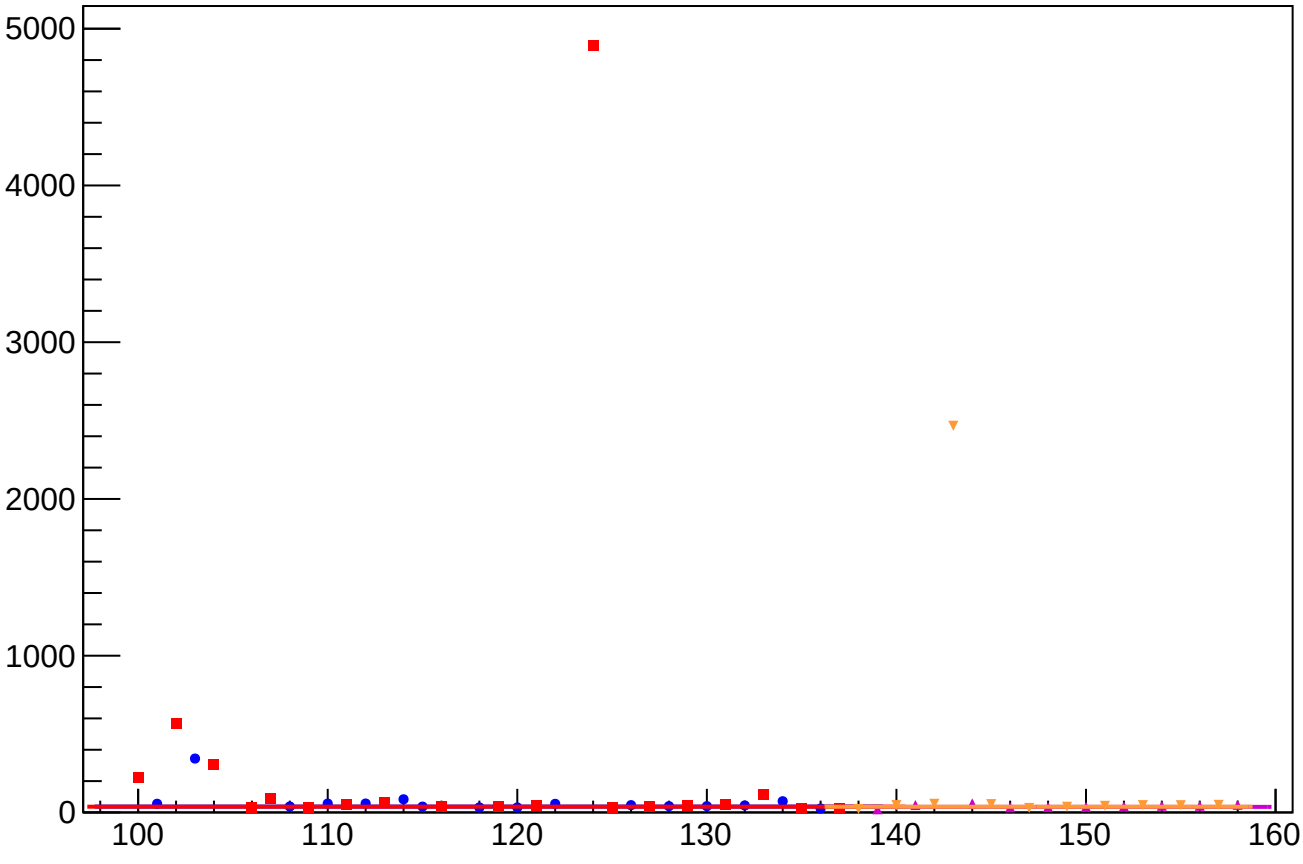
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.006+/-0.013 χ^2/NDF:9.6/9

+ sign 0.014+/-0.011 χ^2/NDF: 34.4/26

All: 0.006+/-0.007 χ^2/NDF: 58.5/55

- sign -0.001+/-0.010 χ^2/NDF: 22.9/28



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 36.490+/-0.010 χ^2/NDF:2779003.4/10

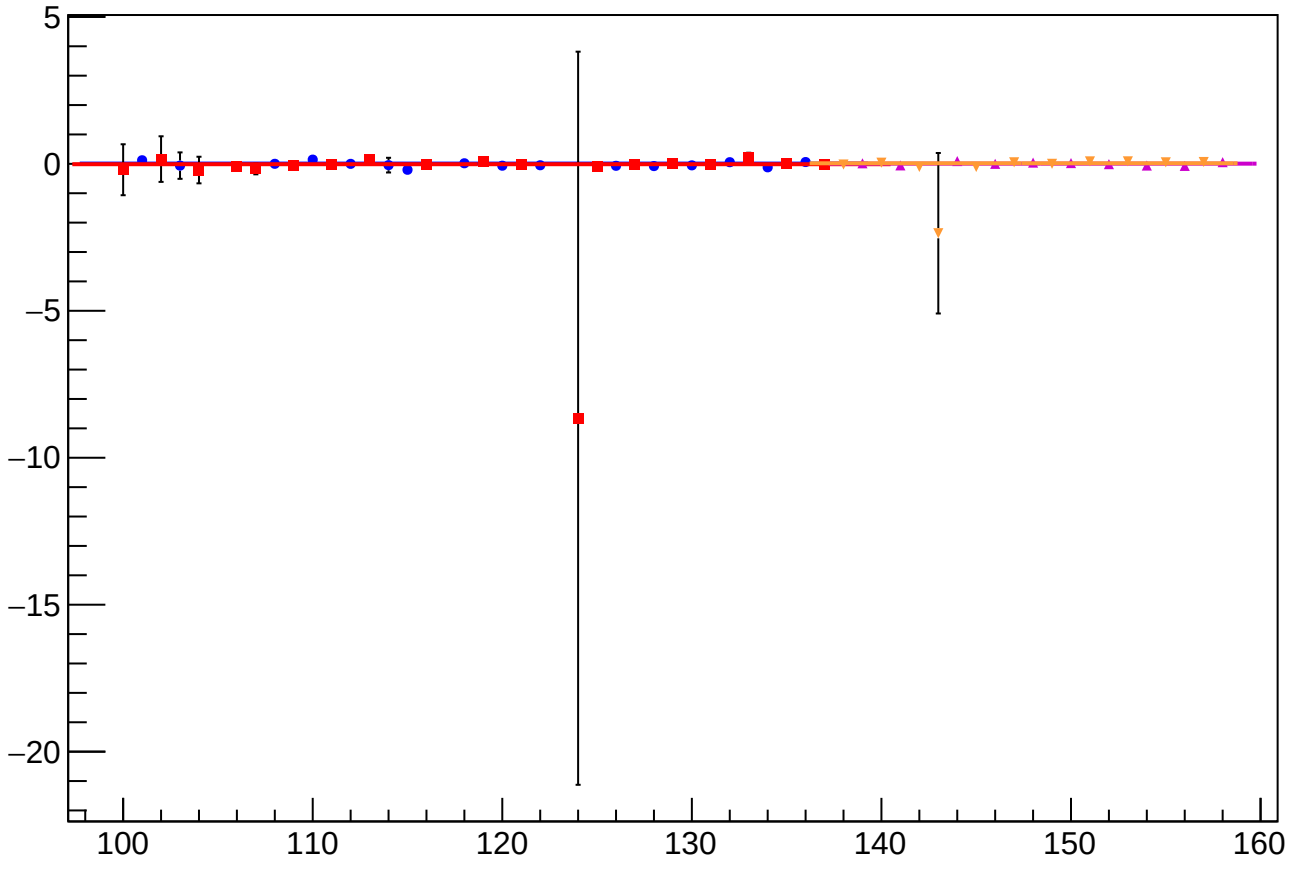
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 35.596+/-0.009 χ^2/NDF:1194308.9/9

+ sign 36.935+/-0.008 χ^2/NDF: 4766561.8/26

All: 36.484+/-0.005 χ^2/NDF: 9164247.5/55

- sign 36.056+/-0.007 χ^2/NDF: 4390760.9/28



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.019+/-0.014 χ^2/NDF:14.9/10

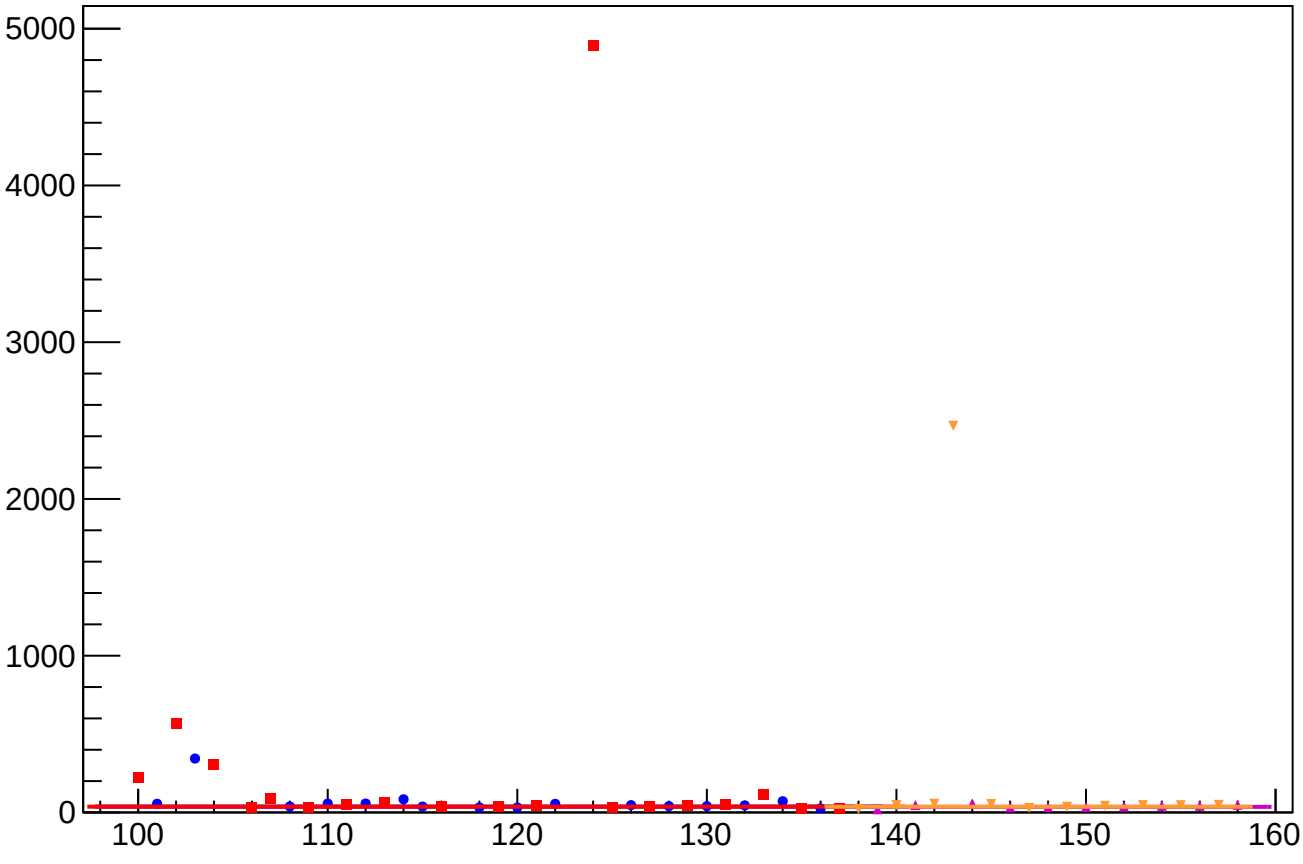
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.006+/-0.013 χ^2/NDF:9.6/9

+ sign 0.014+/-0.011 χ^2/NDF: 34.4/26

All: 0.006+/-0.007 χ^2/NDF: 58.5/55

- sign -0.001+/-0.010 χ^2/NDF: 22.9/28



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 36.490+/-0.010 χ^2/NDF:2779003.4/10

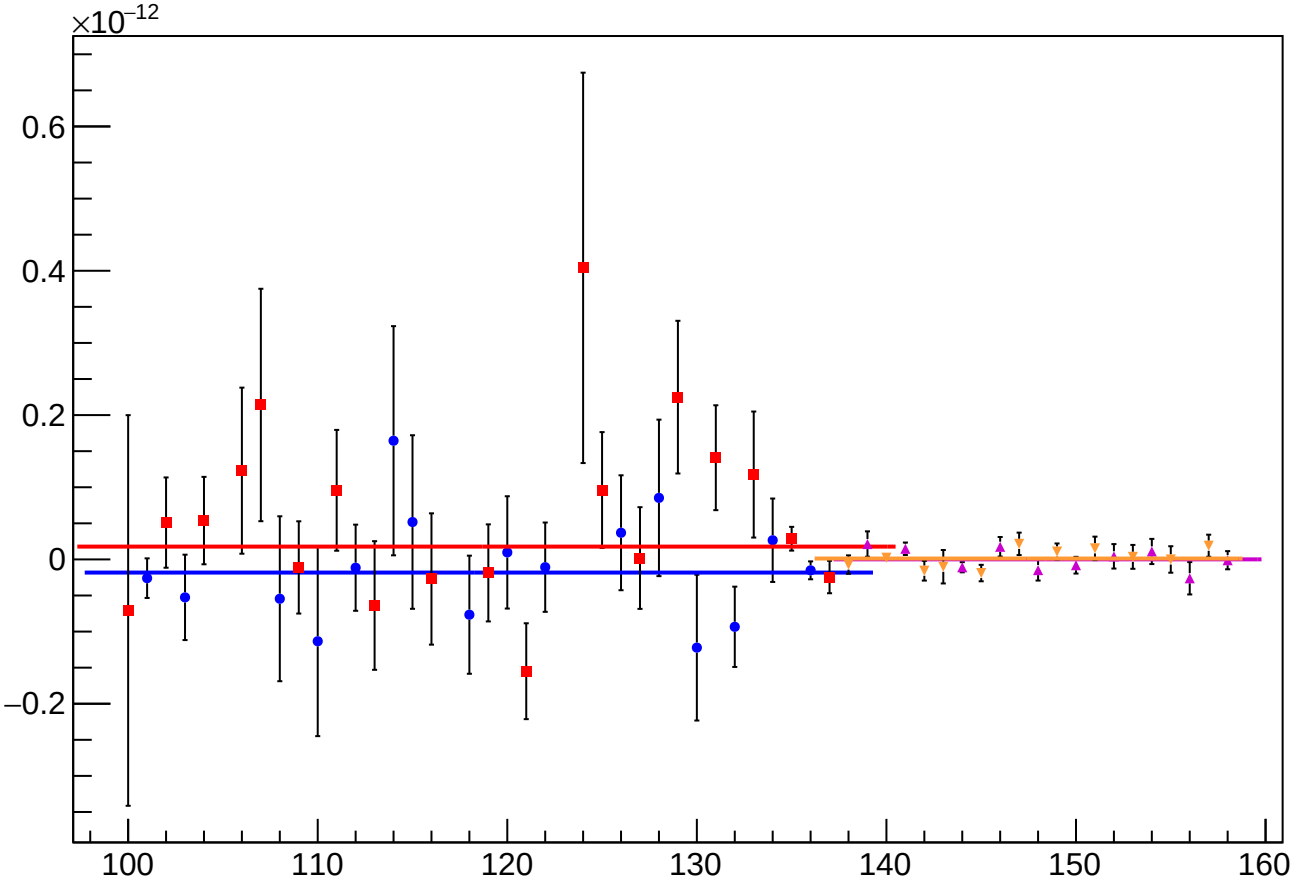
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 35.596+/-0.009 χ^2/NDF:1194308.9/9

+ sign 36.935+/-0.008 χ^2/NDF: 4766561.8/26

All: 36.484+/-0.005 χ^2/NDF: 9164247.5/55

- sign 36.056+/-0.007 χ^2/NDF: 4390760.9/28



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.9/10

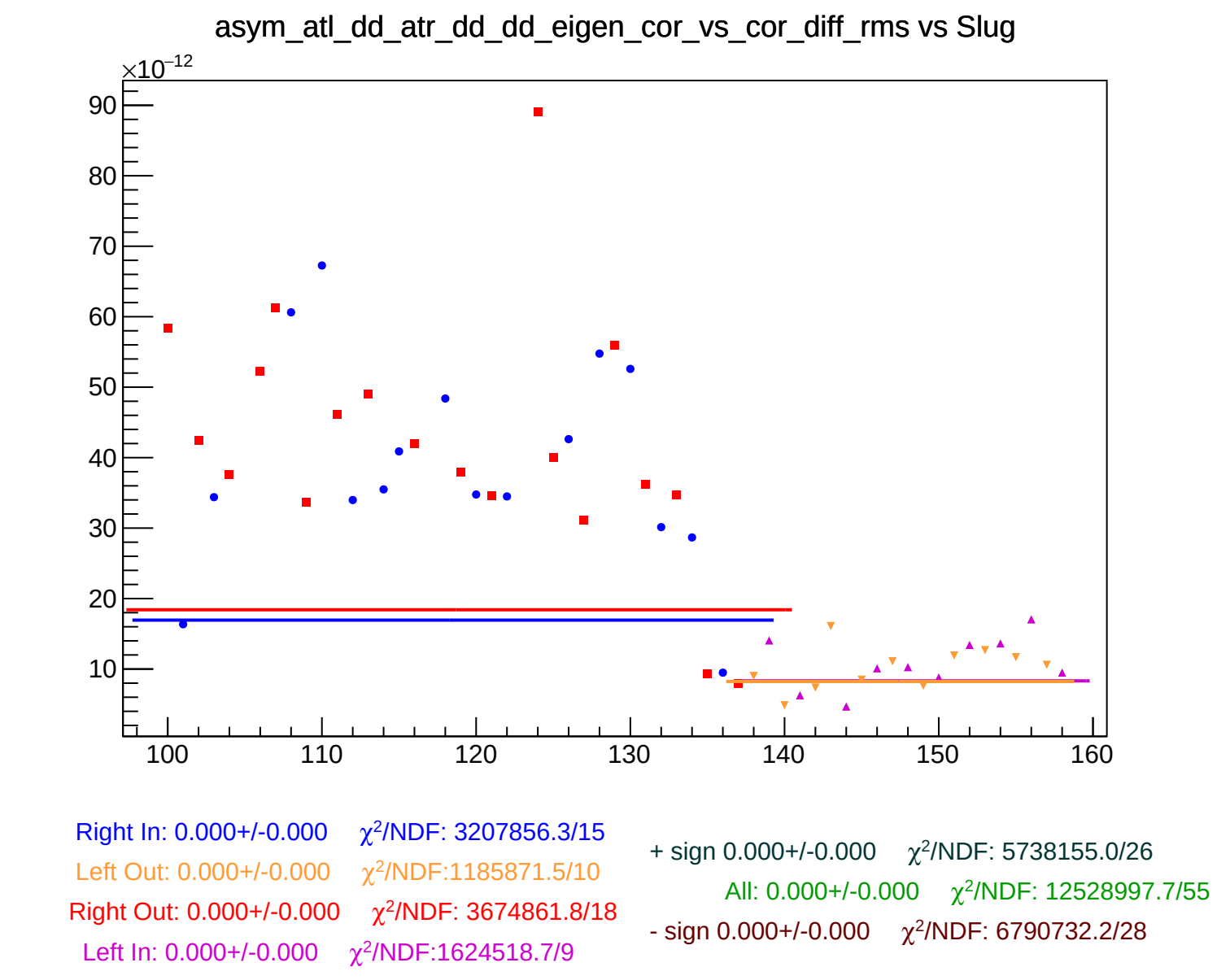
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:11.8/9

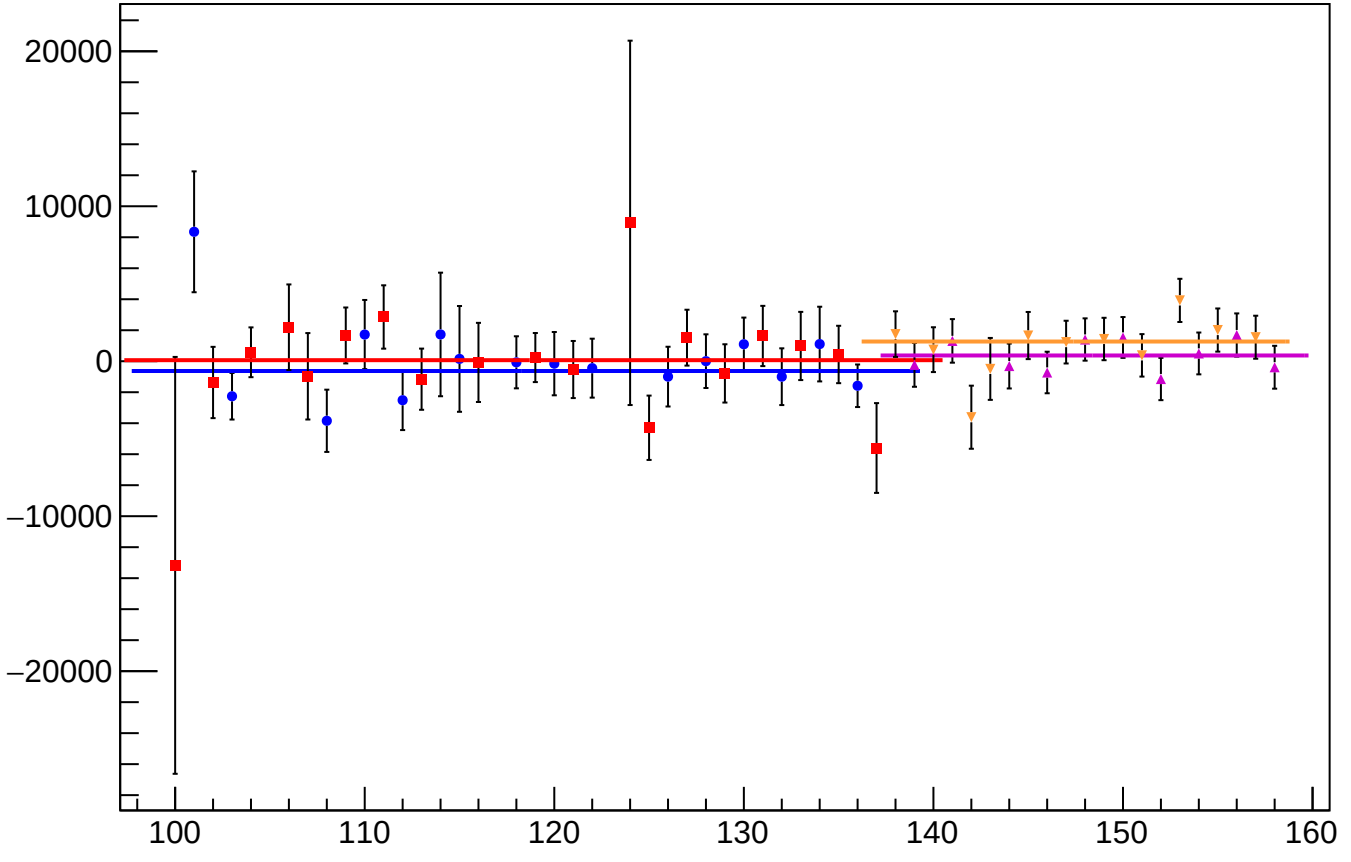
+ sign -0.000+/-0.000 χ^2/NDF: 21.6/26

All: 0.000+/-0.000 χ^2/NDF: 63.3/55

- sign 0.000+/-0.000 χ^2/NDF: 41.4/28


asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
90
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3207856.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1185871.5/10
Right Out: 0.000+/-0.000 χ²/NDF: 3674861.8/18
Left In: 0.000+/-0.000 χ²/NDF:1624518.7/9
+ sign 0.000+/-0.000 χ²/NDF: 5738155.0/26
All: 0.000+/-0.000 χ²/NDF: 12528997.7/55
- sign 0.000+/-0.000 χ²/NDF: 6790732.2/28

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1271.584+/-446.901 χ^2/NDF:11.2/10

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

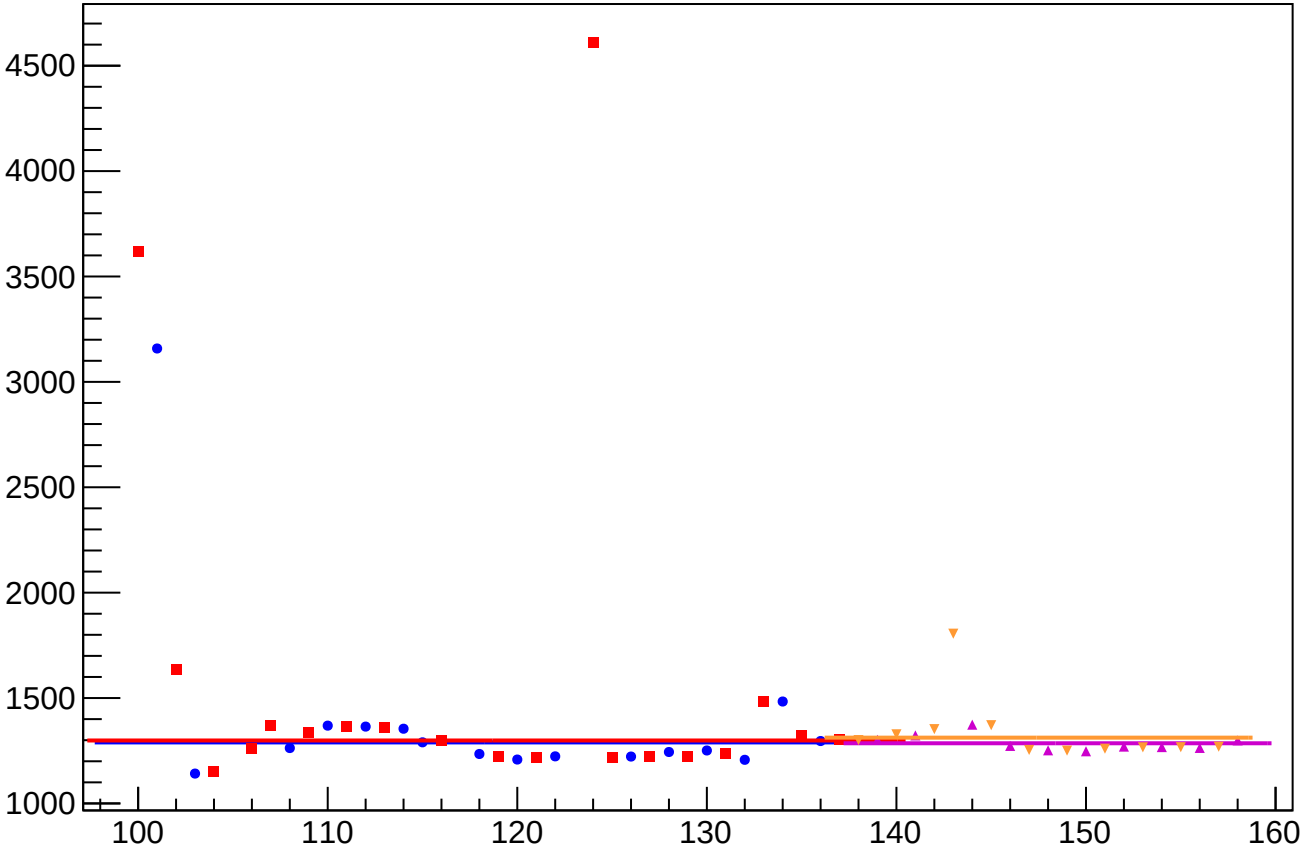
Left In: 370.992+/-435.347 χ^2/NDF:5.3/9

\+ sign 405.032+/-329.784 χ^2/NDF: 33.4/26

All: 319.474+/-231.408 χ^2/NDF: 54.9/55

\- sign 236.486+/-324.793 χ^2/NDF: 21.4/28

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1312.115+/-0.316 χ^2/NDF:142754.0/10

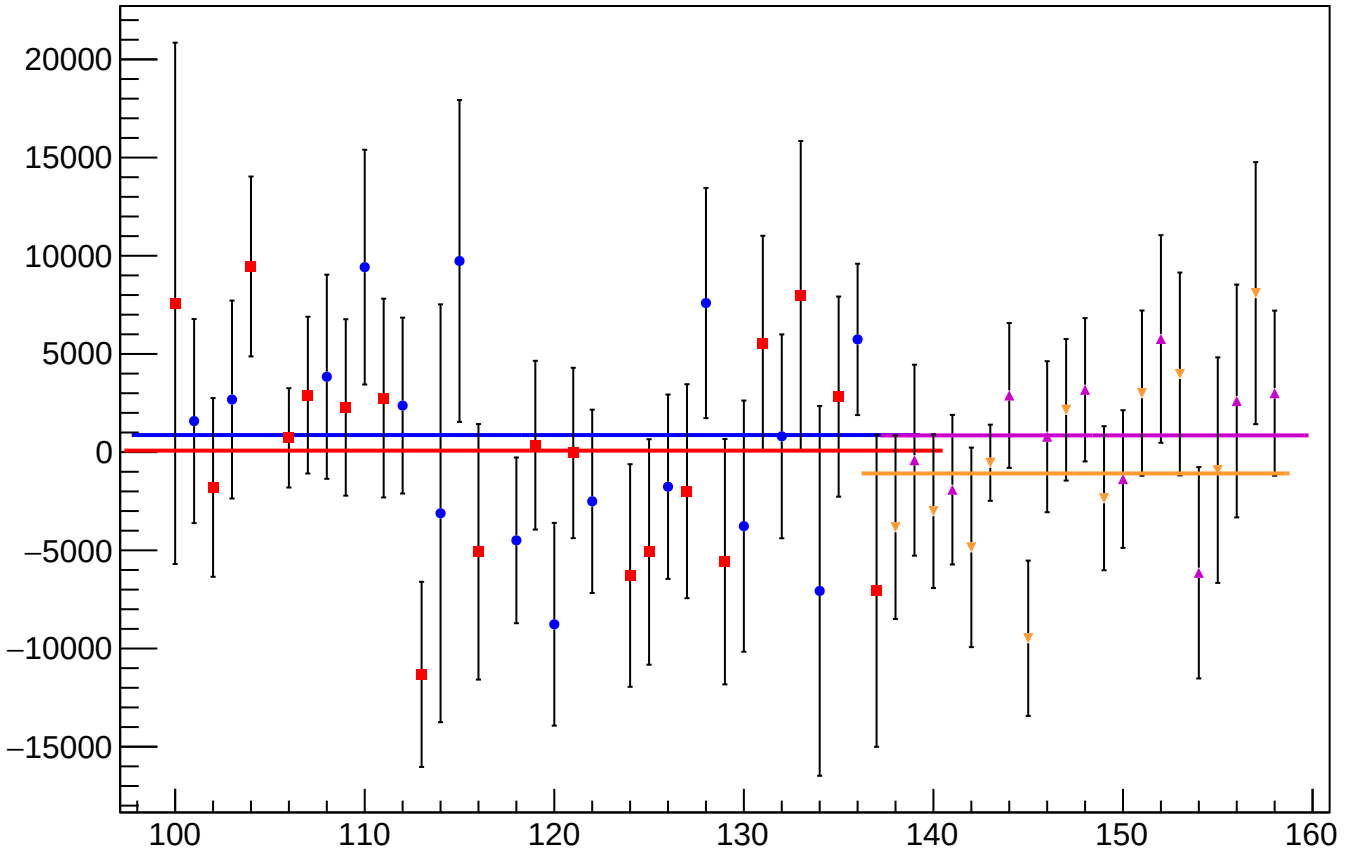
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1285.413+/-0.308 χ^2/NDF:13471.2/9

+ sign 1301.800+/-0.233 χ^2/NDF: 659768.6/26

All: 1296.465+/-0.164 χ^2/NDF: 994467.5/55

- sign 1291.302+/-0.229 χ^2/NDF: 333669.0/28



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -1084.819+/-1133.980 χ^2/NDF:10.4/10

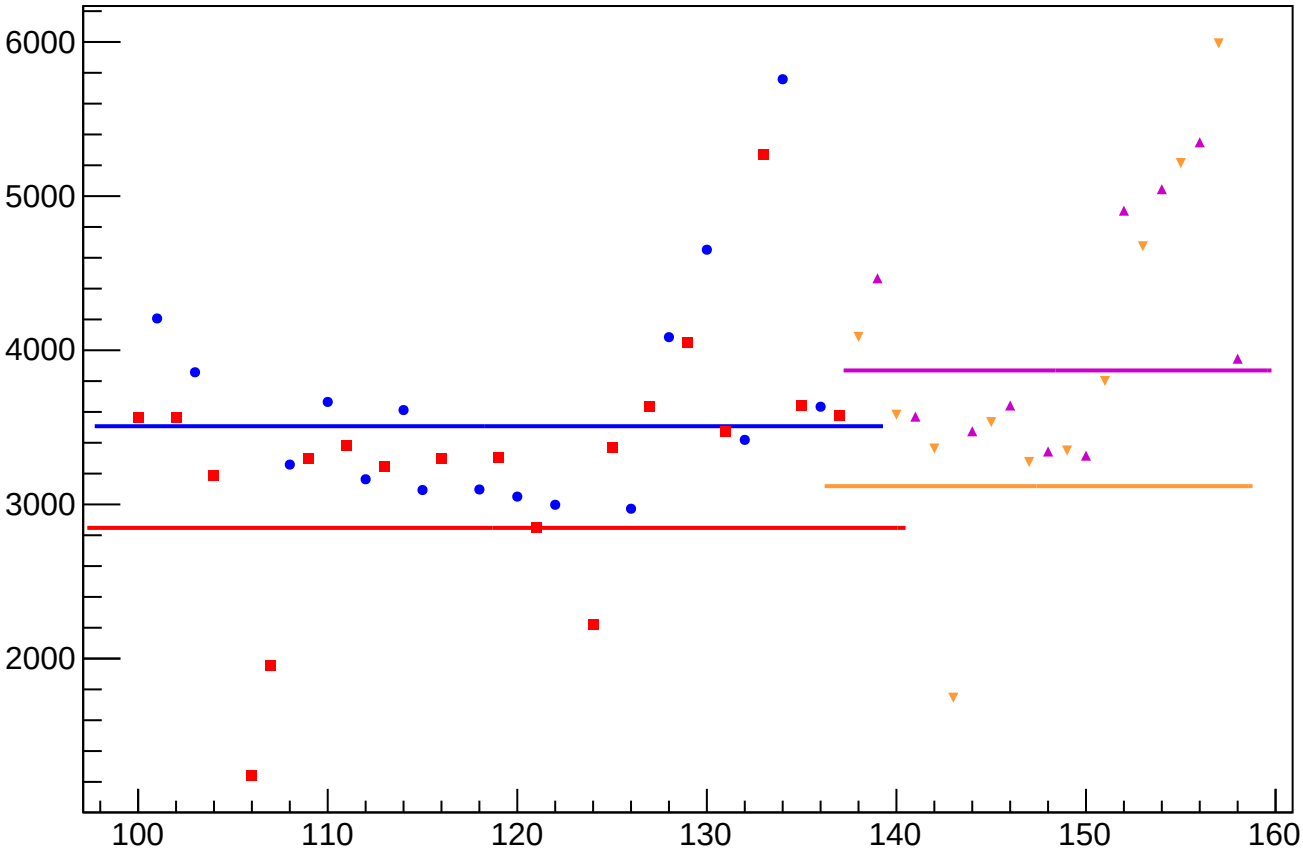
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 853.490+/-1331.282 χ^2/NDF:4.6/9

+ sign -258.429+/-861.615 χ^2/NDF: 25.7/26

All: 72.060+/-606.193 χ^2/NDF: 49.2/55

- sign 395.990+/-853.023 χ^2/NDF: 23.2/28



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3118.453+/-0.802 χ^2/NDF:2024690.3/10

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

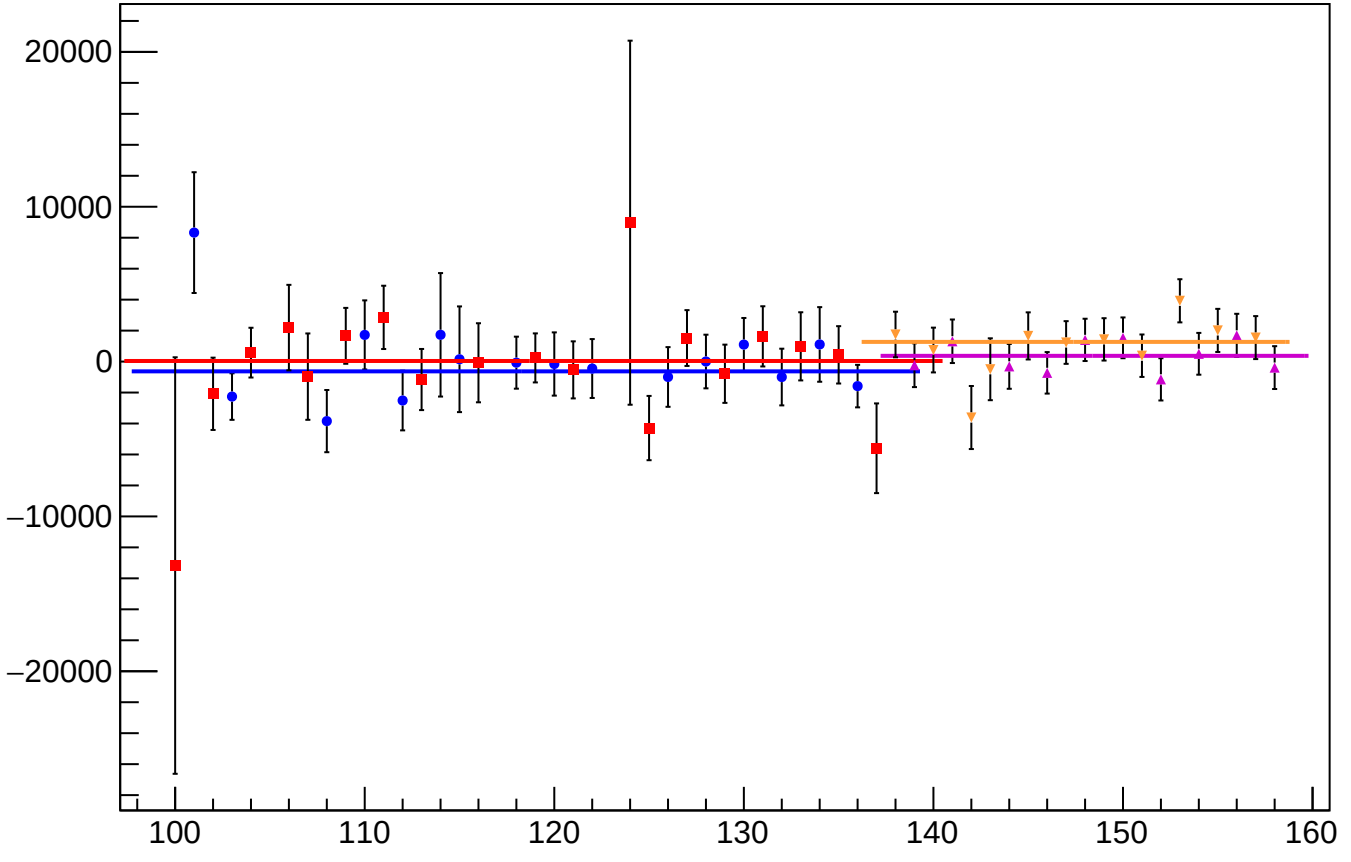
Left In: 3869.144+/-0.941 χ^2/NDF:461574.8/9

+ sign 3282.852+/-0.609 χ^2/NDF: 2478119.9/26

All: 3274.921+/-0.429 χ^2/NDF: 5133216.2/55

- sign 3267.147+/-0.603 χ^2/NDF: 2654760.8/28

cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1271.563+/-446.901 χ^2/NDF:11.2/10

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

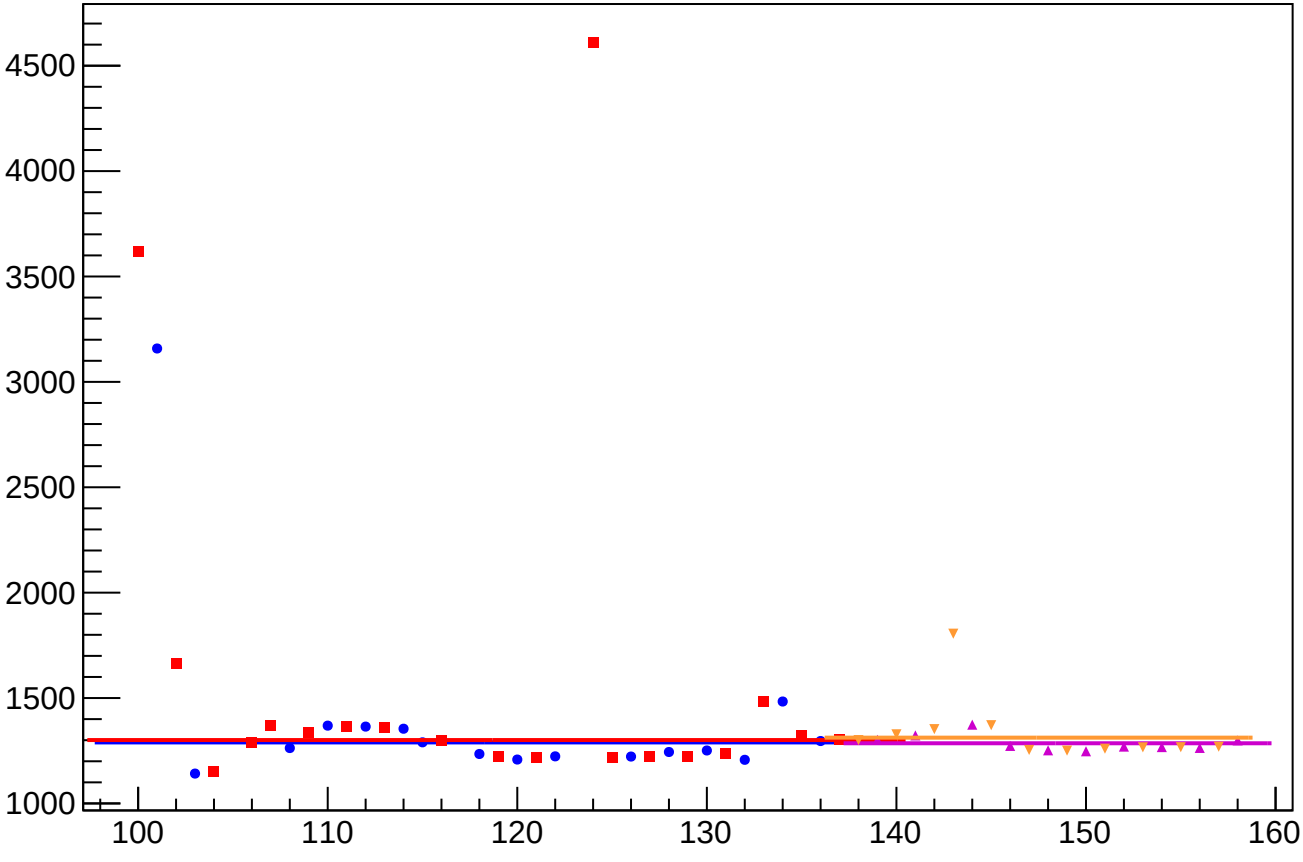
Left In: 370.993+/-435.347 χ^2/NDF:5.3/9

\+ sign 404.846+/-329.784 χ^2/NDF: 33.4/26

All: 312.932+/-231.442 χ^2/NDF: 55.4/55

\- sign 223.728+/-324.888 χ^2/NDF: 21.9/28

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1312.115+/-0.316 χ^2/NDF:142754.0/10

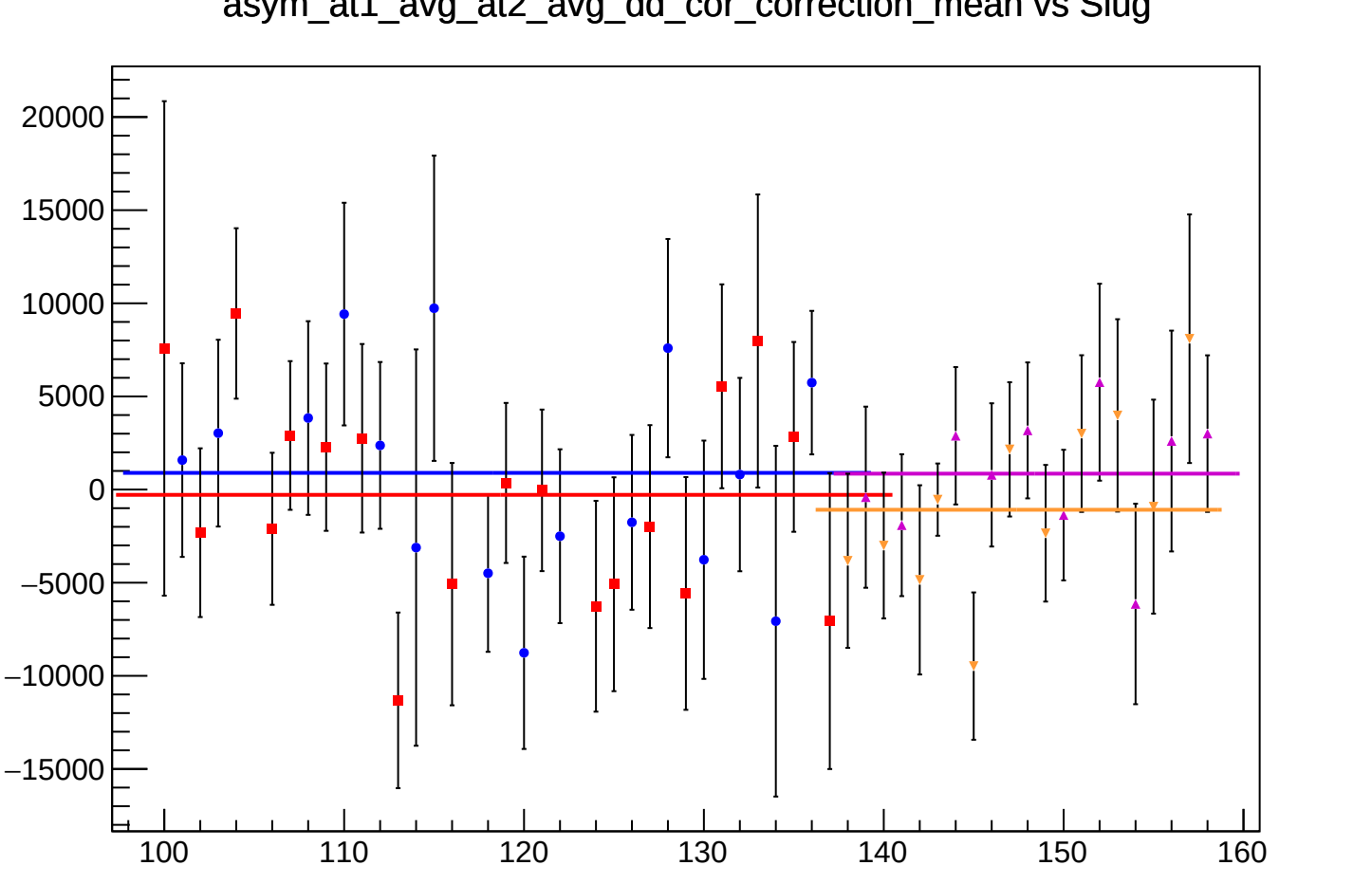
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1285.413+/-0.308 χ^2/NDF:13471.2/9

+ sign 1301.800+/-0.233 χ^2/NDF: 659770.1/26

All: 1296.921+/-0.164 χ^2/NDF: 1001103.4/55

- sign 1292.193+/-0.230 χ^2/NDF: 340471.5/28



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1084.750+/-1133.977 χ^2/NDF:10.4/10

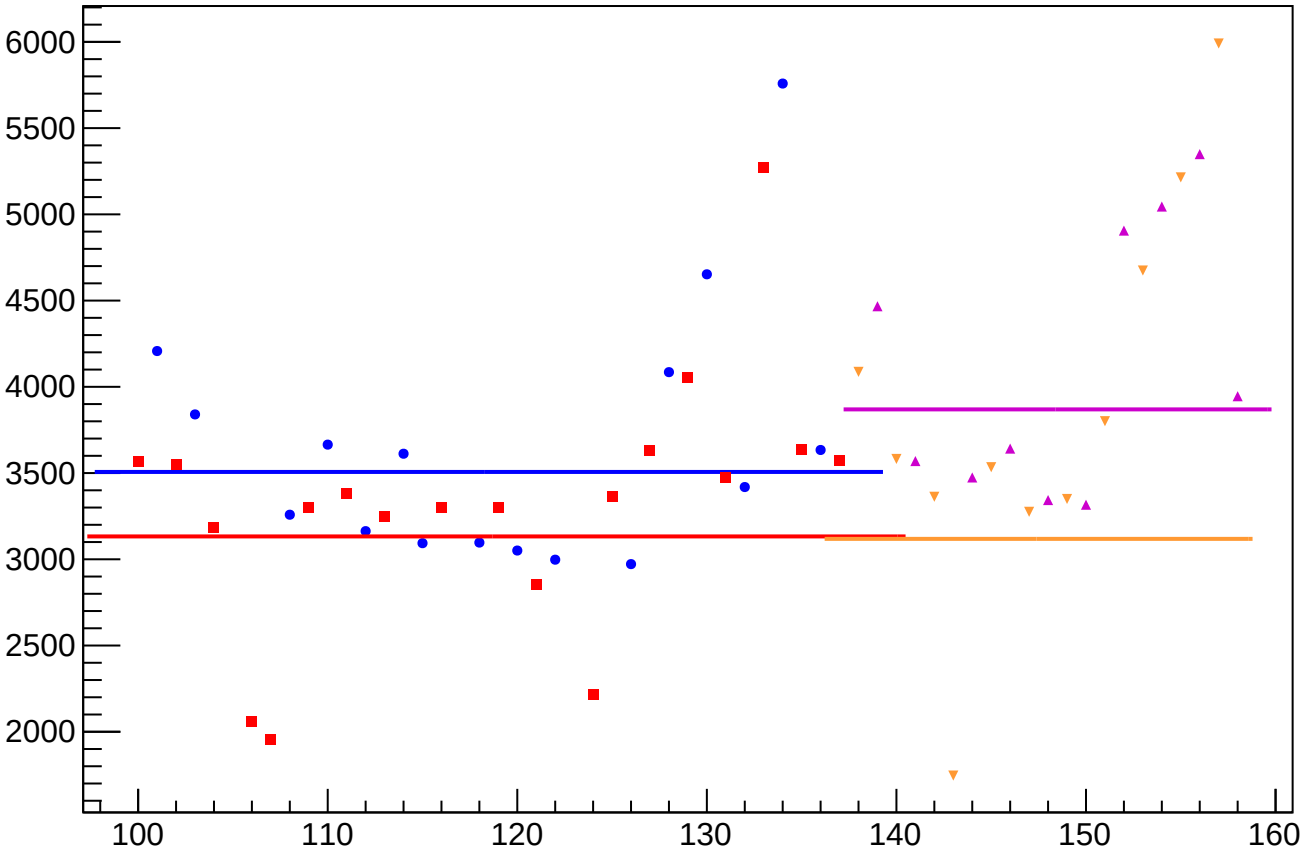
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 853.565+/-1331.280 χ^2/NDF:4.6/9

+ sign -247.188+/-861.489 χ^2/NDF: 25.8/26

All: -20.677+/-617.097 χ^2/NDF: 49.6/55

- sign 218.029+/-884.376 χ^2/NDF: 23.6/28



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3118.442+/-0.802 χ^2/NDF:2024712.1/10

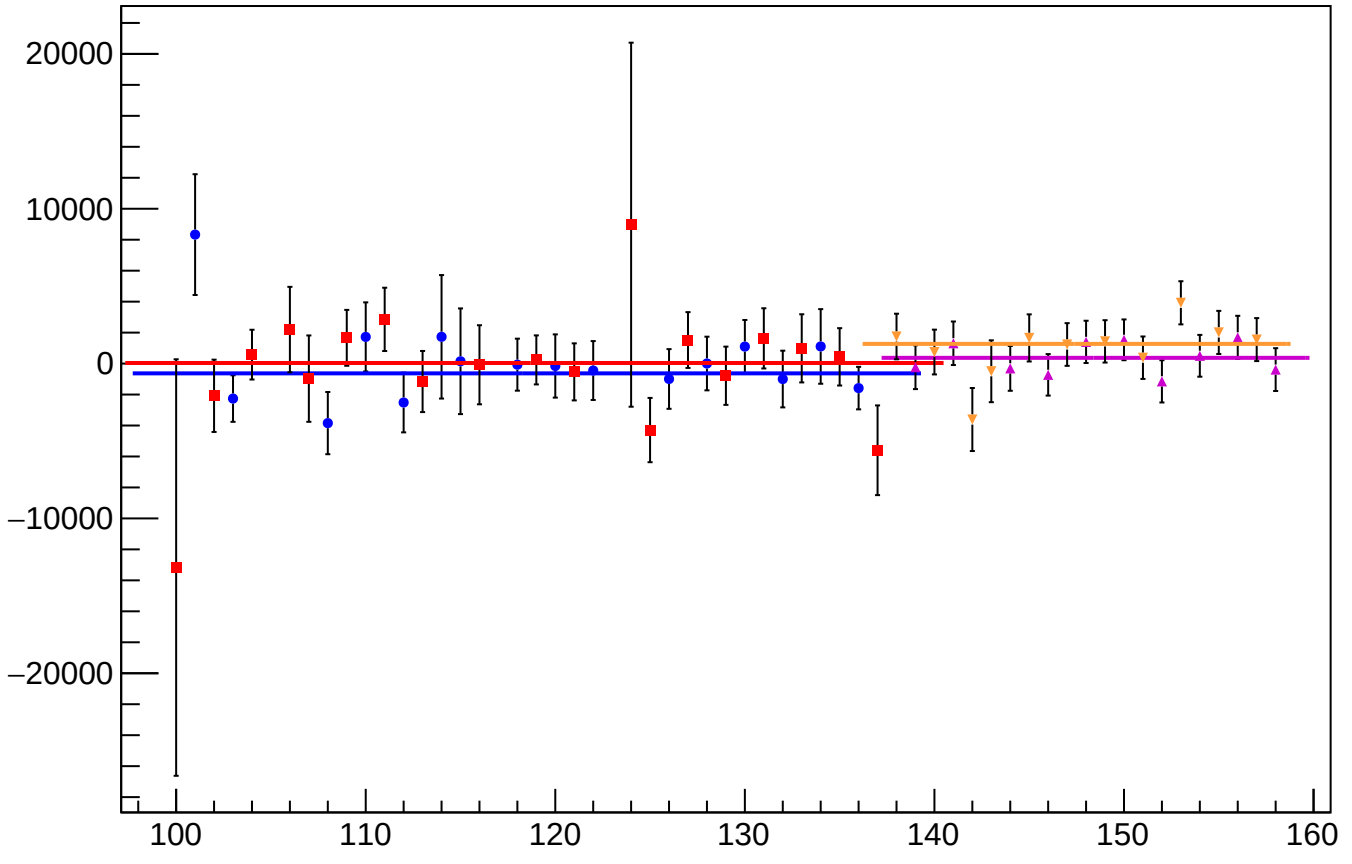
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3869.140+/-0.941 χ^2/NDF:461575.5/9

+ sign 3282.525+/-0.609 χ^2/NDF: 2476978.6/26

All: 3367.781+/-0.436 χ^2/NDF: 3970436.1/55

- sign 3457.628+/-0.625 χ^2/NDF: 1453227.3/28



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1271.563+/-446.901 χ^2/NDF:11.2/10

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

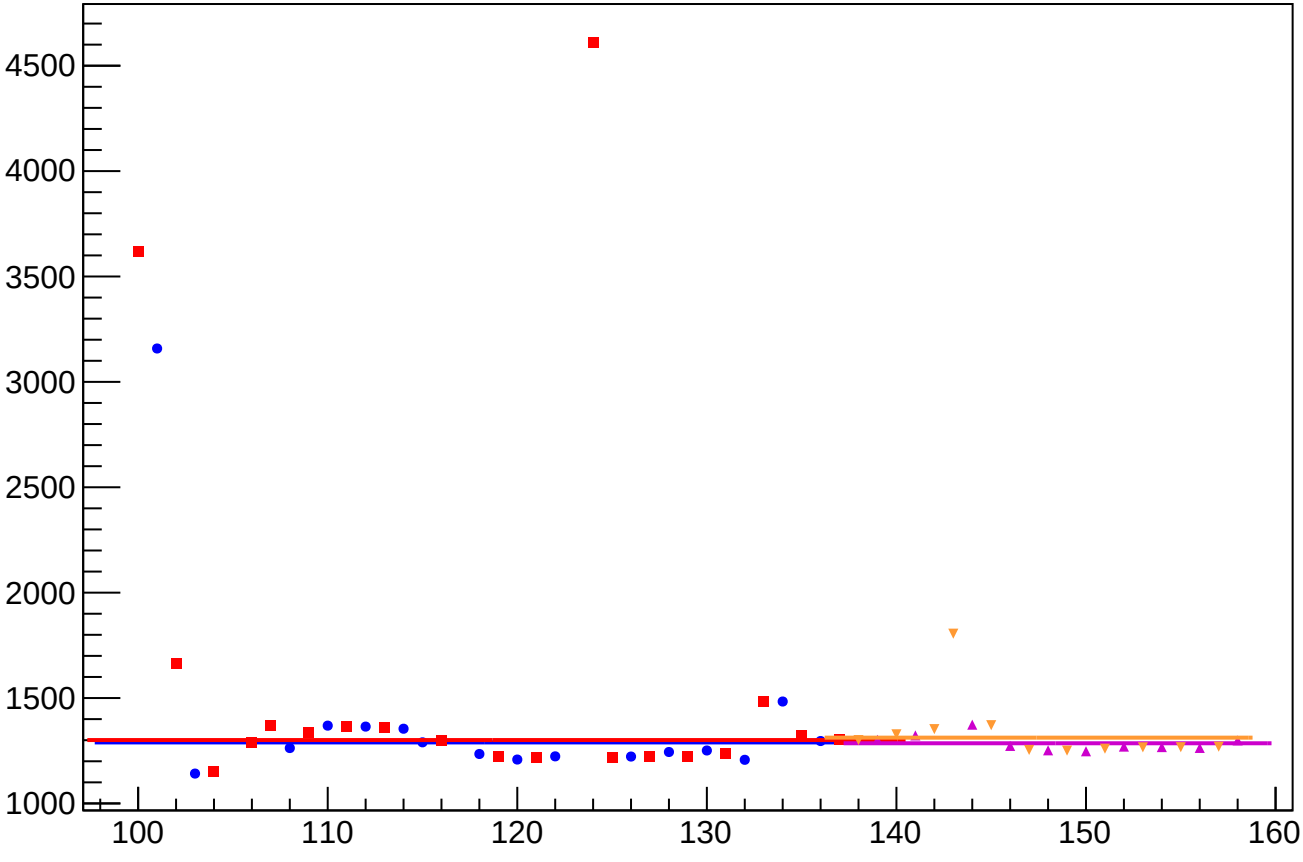
Left In: 370.993+/-435.347 χ^2/NDF:5.3/9

+ sign 404.846+/-329.784 χ^2/NDF: 33.4/26

All: 312.932+/-231.442 χ^2/NDF: 55.4/55

- sign 223.728+/-324.888 χ^2/NDF: 21.9/28

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1312.115+/-0.316 χ^2/NDF:142754.0/10

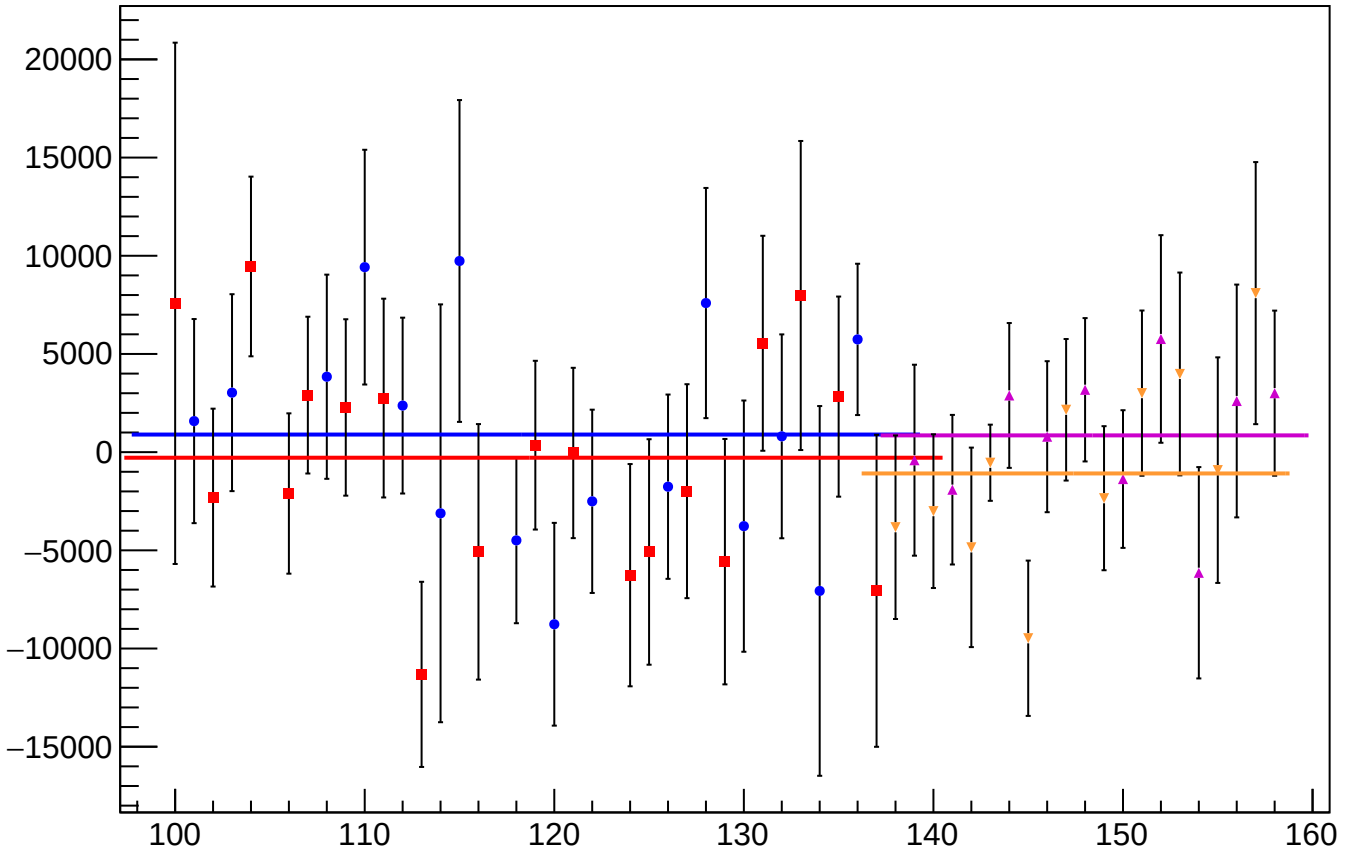
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1285.413+/-0.308 χ^2/NDF:13471.2/9

+ sign 1301.800+/-0.233 χ^2/NDF: 659770.1/26

All: 1296.921+/-0.164 χ^2/NDF: 1001103.4/55

- sign 1292.193+/-0.230 χ^2/NDF: 340471.5/28



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1084.750+/-1133.977 χ^2/NDF:10.4/10

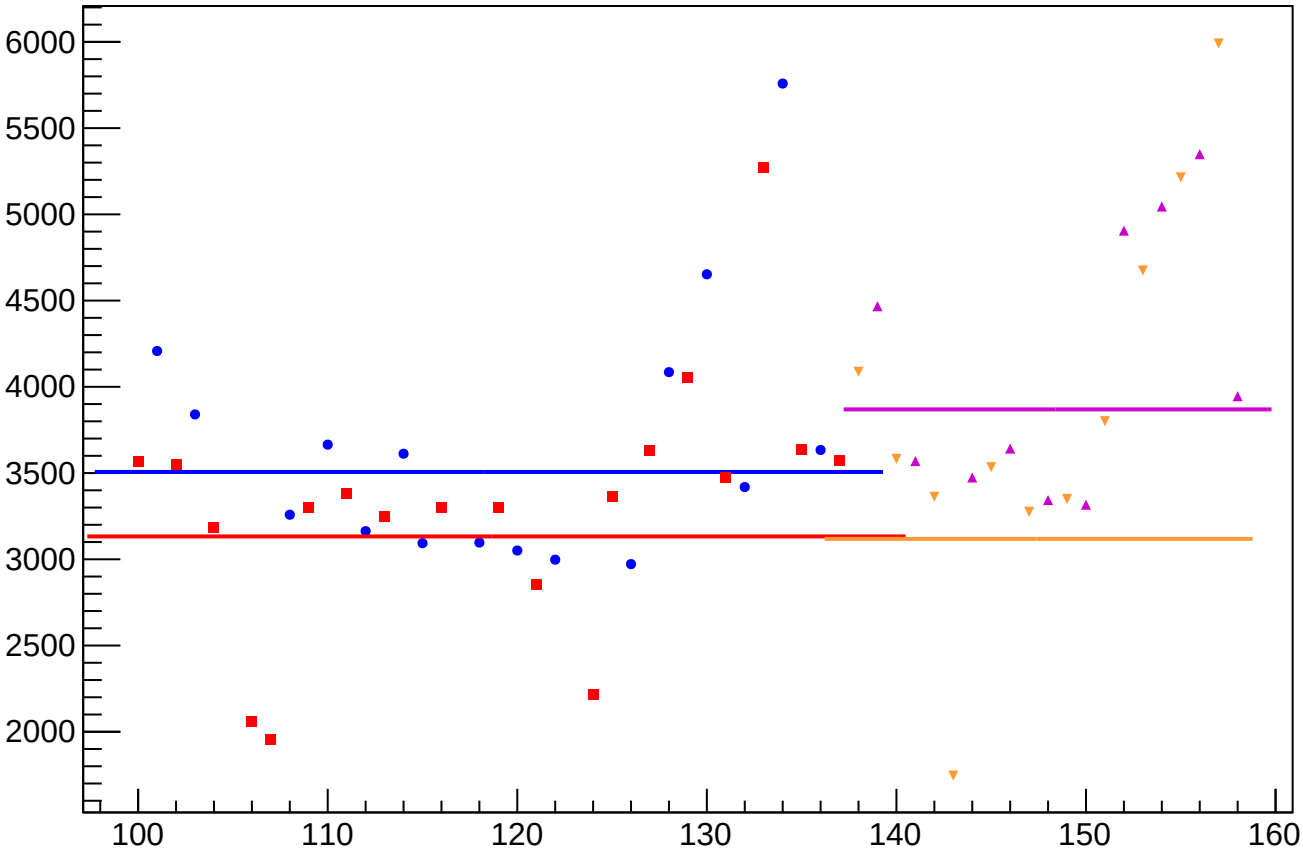
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 853.565+/-1331.280 χ^2/NDF:4.6/9

+ sign -247.188+/-861.489 χ^2/NDF: 25.8/26

All: -20.677+/-617.097 χ^2/NDF: 49.6/55

- sign 218.029+/-884.376 χ^2/NDF: 23.6/28



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3118.442+/-0.802 χ^2/NDF:2024712.1/10

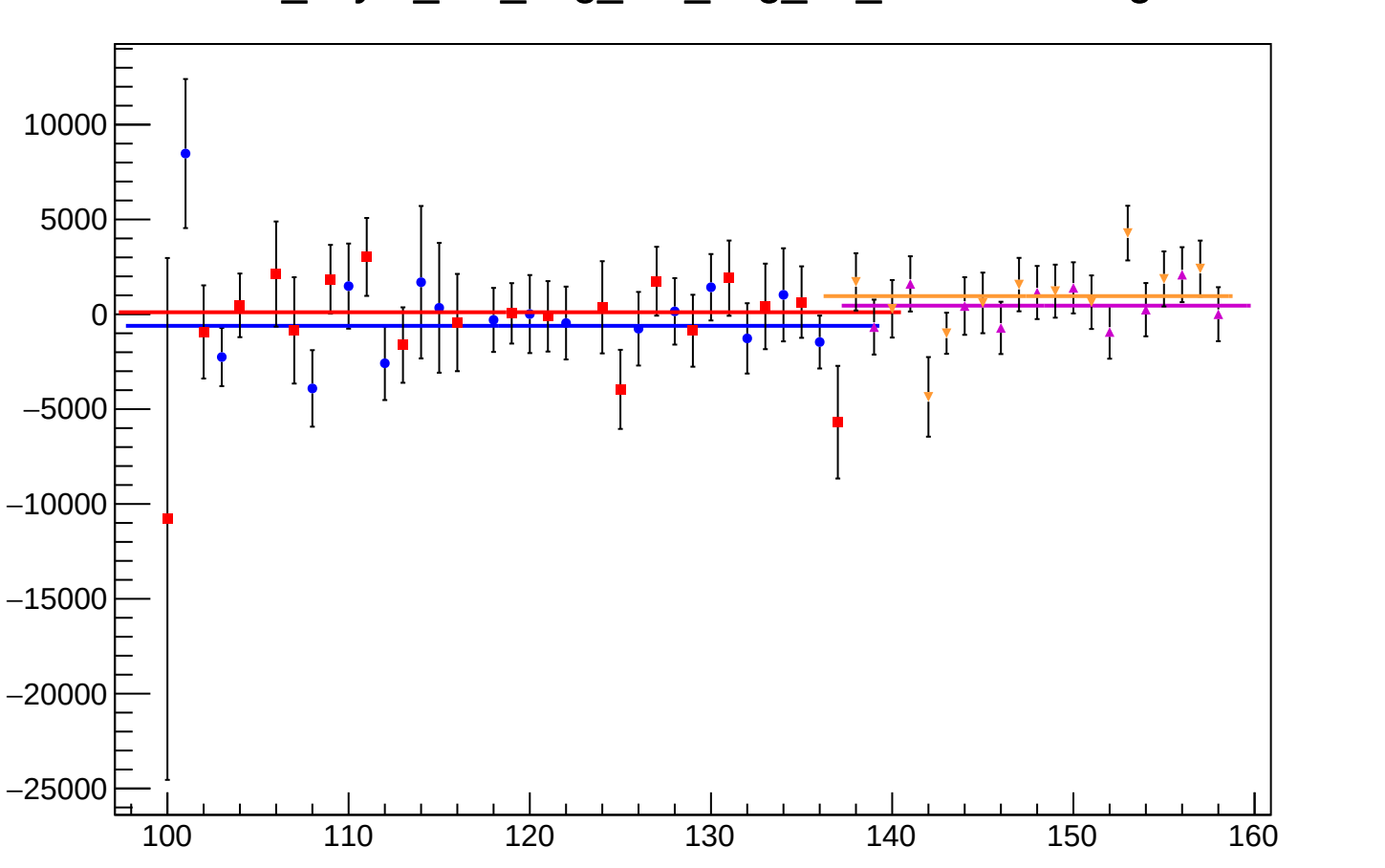
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3869.140+/-0.941 χ^2/NDF:461575.5/9

\+ sign 3282.525+/-0.609 χ^2/NDF: 2476978.6/26

All: 3367.781+/-0.436 χ^2/NDF: 3970436.1/55

\- sign 3457.628+/-0.625 χ^2/NDF: 1453227.3/28



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 959.320+/-435.286 χ^2/NDF:17.1/10

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

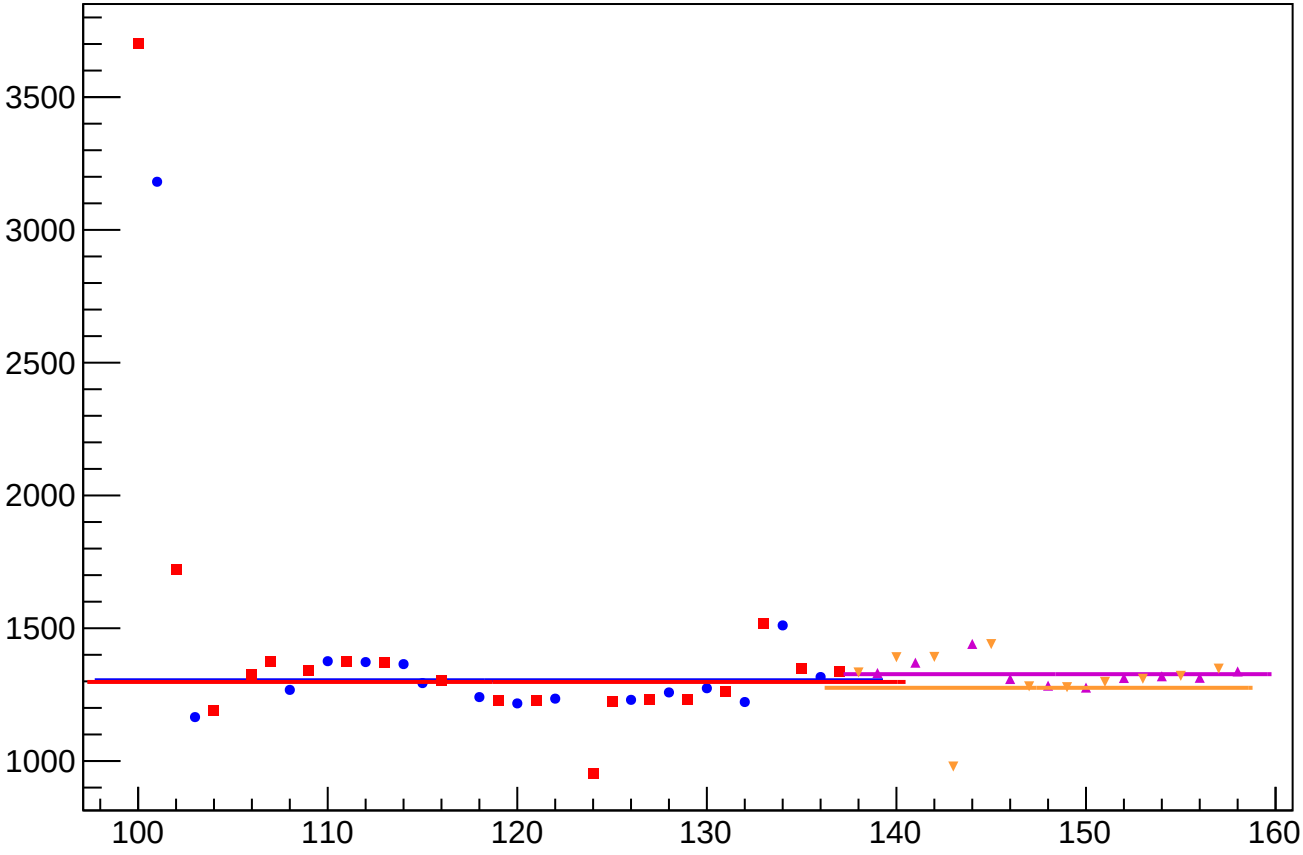
Left In: 455.385+/-449.548 χ^2/NDF:5.0/9

\+ sign 274.649+/-326.642 χ^2/NDF: 36.9/26

All: 284.889+/-232.105 χ^2/NDF: 57.1/55

\- sign 295.331+/-329.873 χ^2/NDF: 20.2/28

dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1275.710+/-0.308 χ^2/NDF:199772.2/10

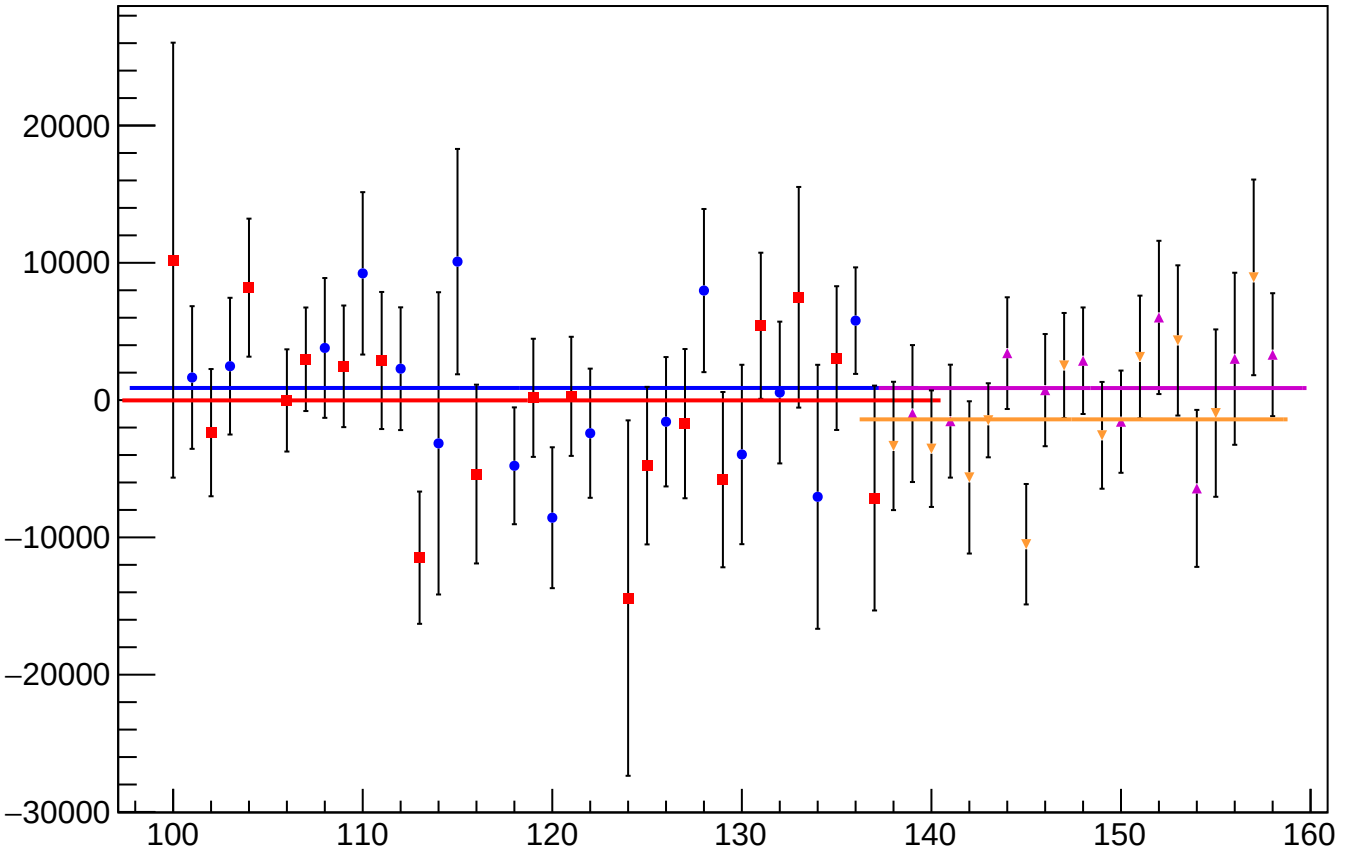
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1327.060+/-0.318 χ^2/NDF:18667.2/9

+ sign 1288.114+/-0.231 χ^2/NDF: 714079.2/26

All: 1300.708+/-0.164 χ^2/NDF: 955760.7/55

- sign 1313.542+/-0.233 χ^2/NDF: 235679.0/28



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -1402.344+/-1304.423 χ^2/NDF:10.7/10

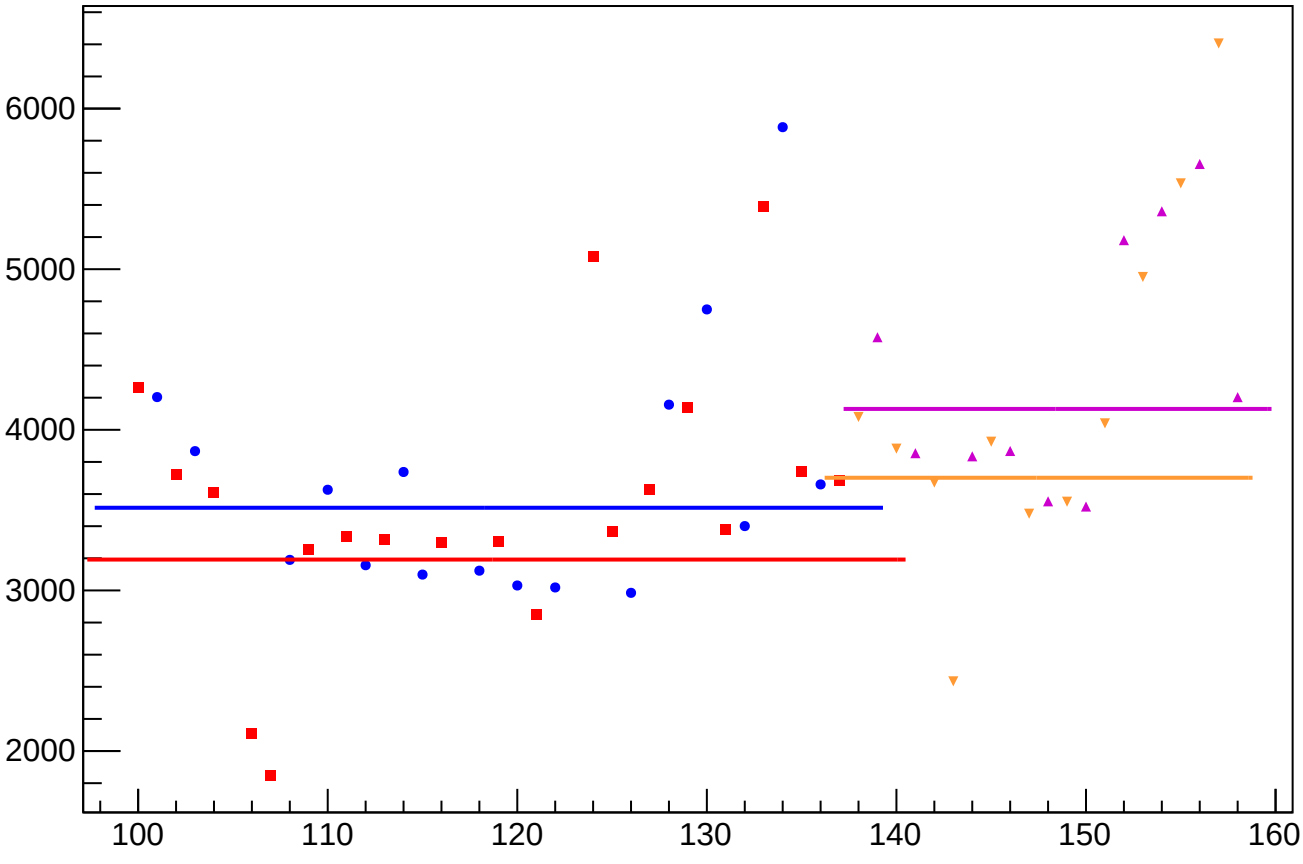
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 877.438+/-1419.681 χ^2/NDF:4.5/9

\+ sign -279.102+/-930.383 χ^2/NDF: 26.3/26

All: 42.011+/-652.907 χ^2/NDF: 48.1/55

\- sign 353.595+/-916.474 χ^2/NDF: 21.5/28



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3701.556+/-0.922 χ^2/NDF:1058092.4/10

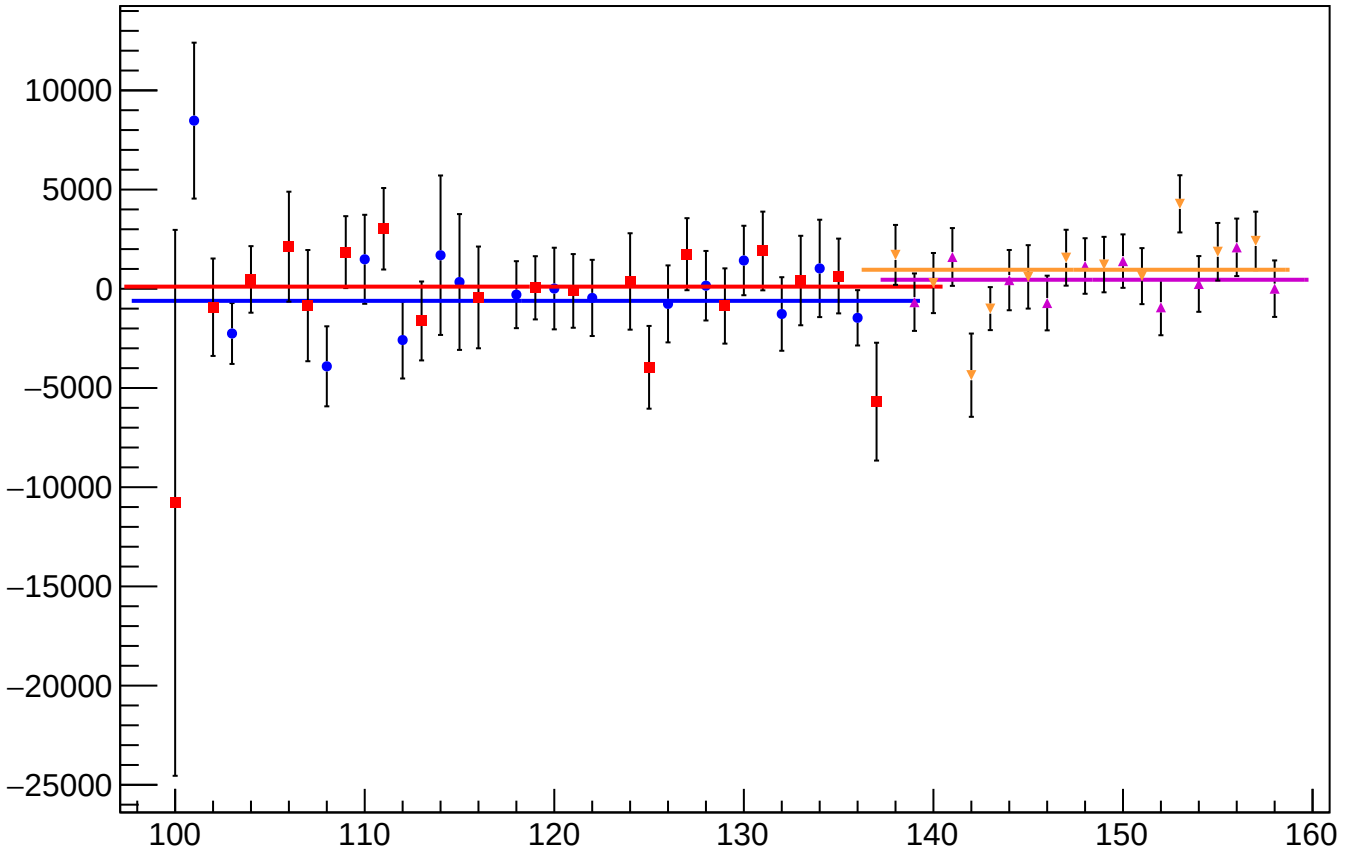
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4130.051+/-1.004 χ^2/NDF:423451.5/9

+ sign 3609.781+/-0.658 χ^2/NDF: 1453322.9/26

All: 3596.207+/-0.462 χ^2/NDF: 3159181.9/55

- sign 3583.036+/-0.648 χ^2/NDF: 1705020.2/28



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 959.321+/-435.287 χ^2/NDF:17.1/10

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

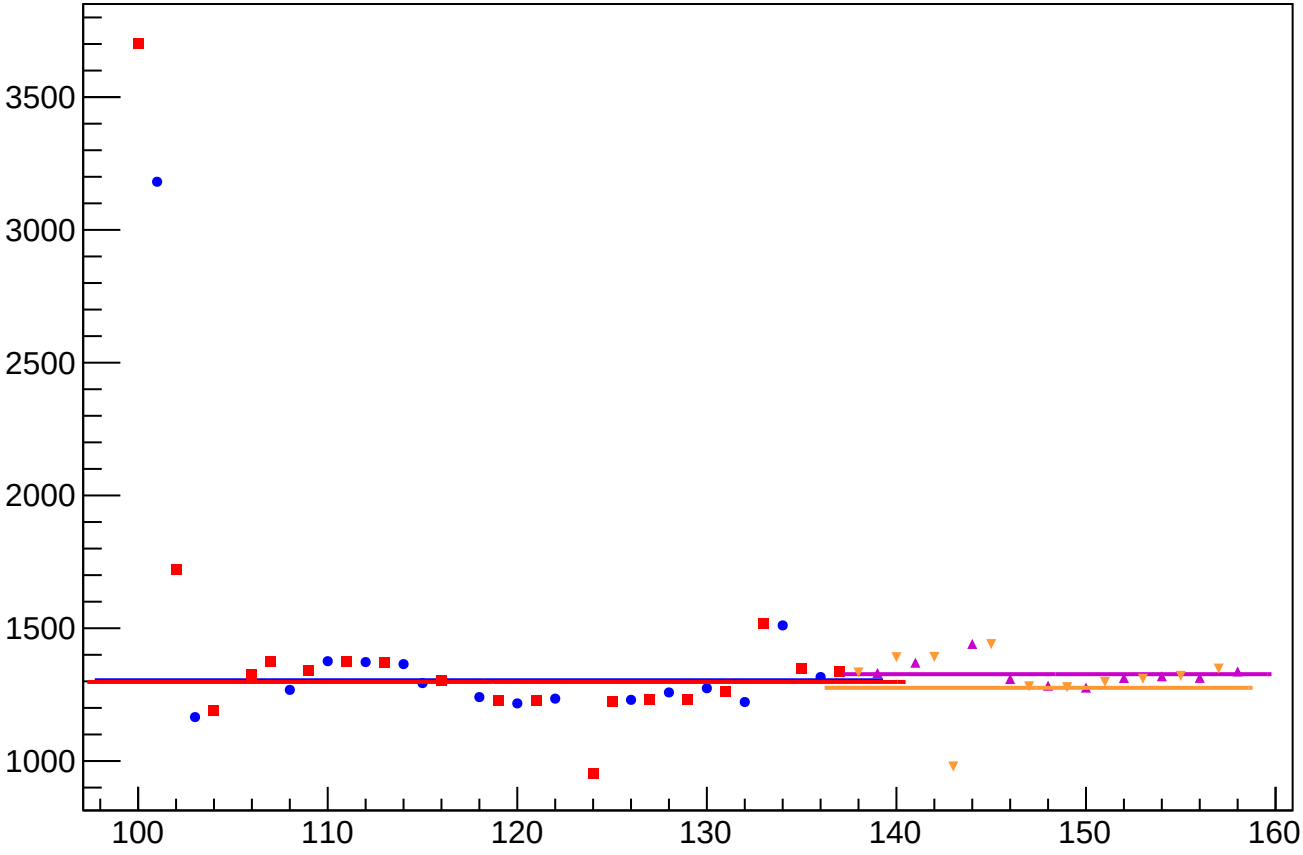
Left In: 455.385+/-449.549 χ^2/NDF:5.0/9

+ sign 274.648+/-326.642 χ^2/NDF: 36.9/26

All: 284.889+/-232.105 χ^2/NDF: 57.1/55

- sign 295.334+/-329.874 χ^2/NDF: 20.2/28

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1275.711+/-0.308 χ^2/NDF:199772.7/10

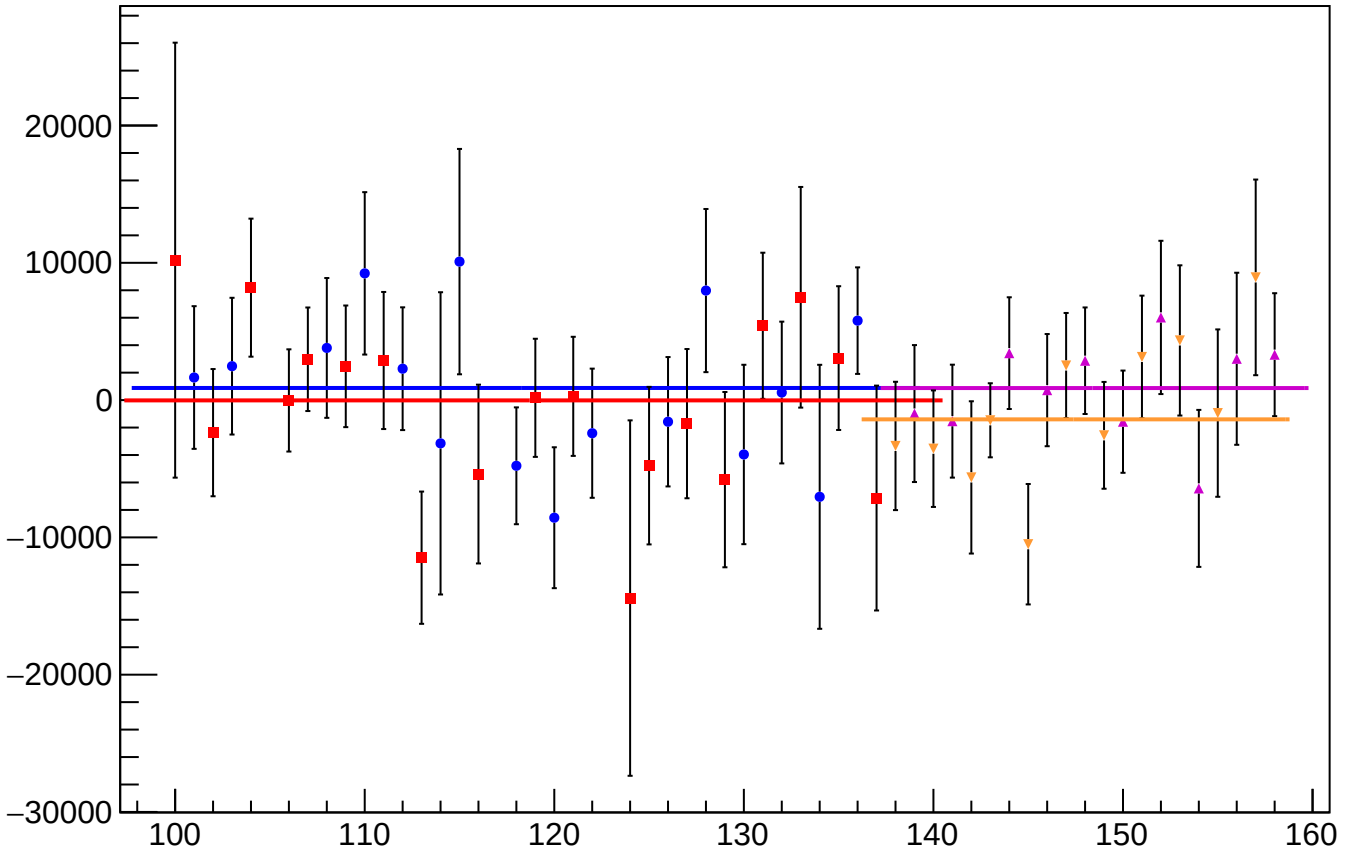
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1327.061+/-0.318 χ^2/NDF:18667.3/9

+ sign 1288.115+/-0.231 χ^2/NDF: 714079.5/26

All: 1300.708+/-0.164 χ^2/NDF: 955761.5/55

- sign 1313.543+/-0.233 χ^2/NDF: 235679.4/28



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -1402.341+/-1304.425 χ^2/NDF:10.7/10

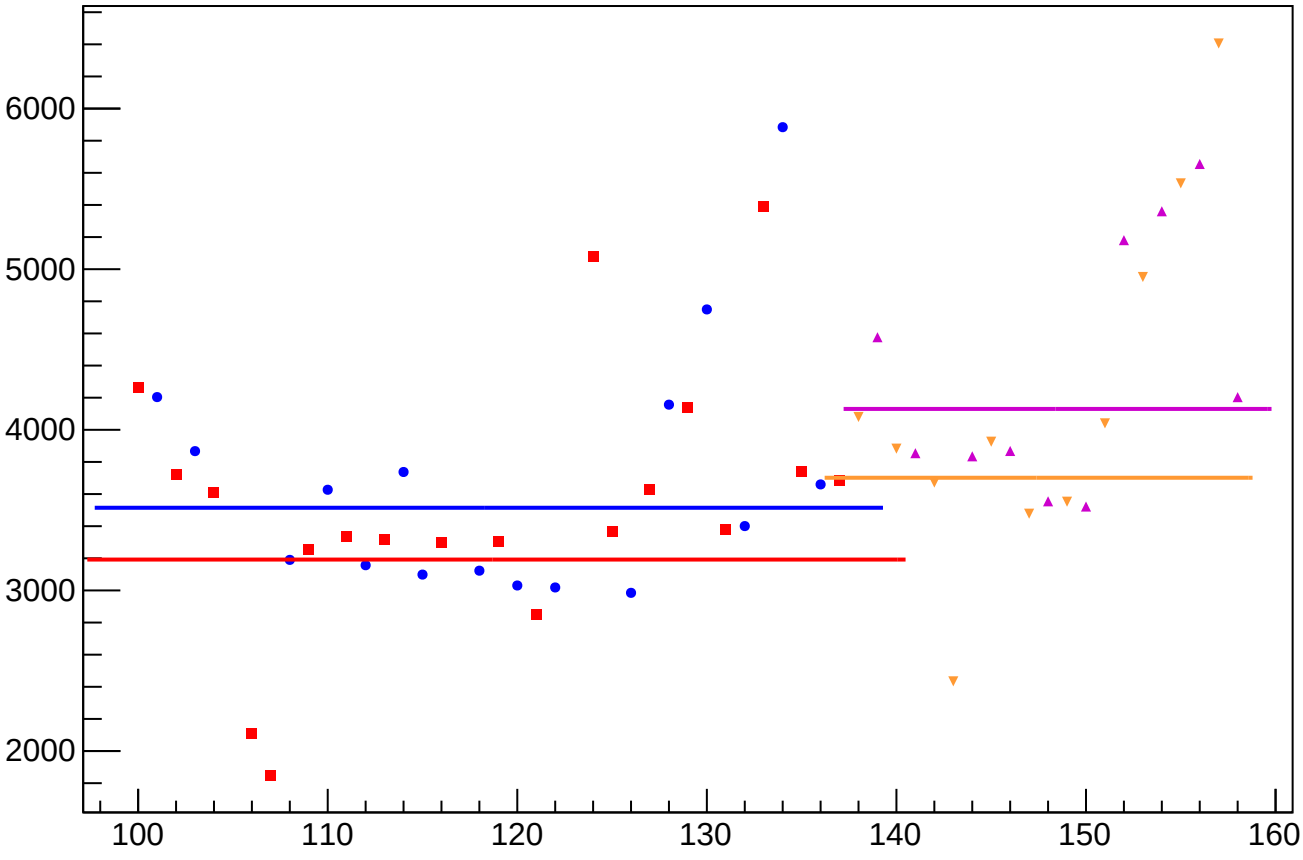
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 877.438+/-1419.683 χ^2/NDF:4.5/9

+ sign -279.102+/-930.383 χ^2/NDF: 26.3/26

All: 42.012+/-652.907 χ^2/NDF: 48.1/55

- sign 353.596+/-916.473 χ^2/NDF: 21.5/28



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3701.561+/-0.922 χ^2/NDF:1058092.4/10

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

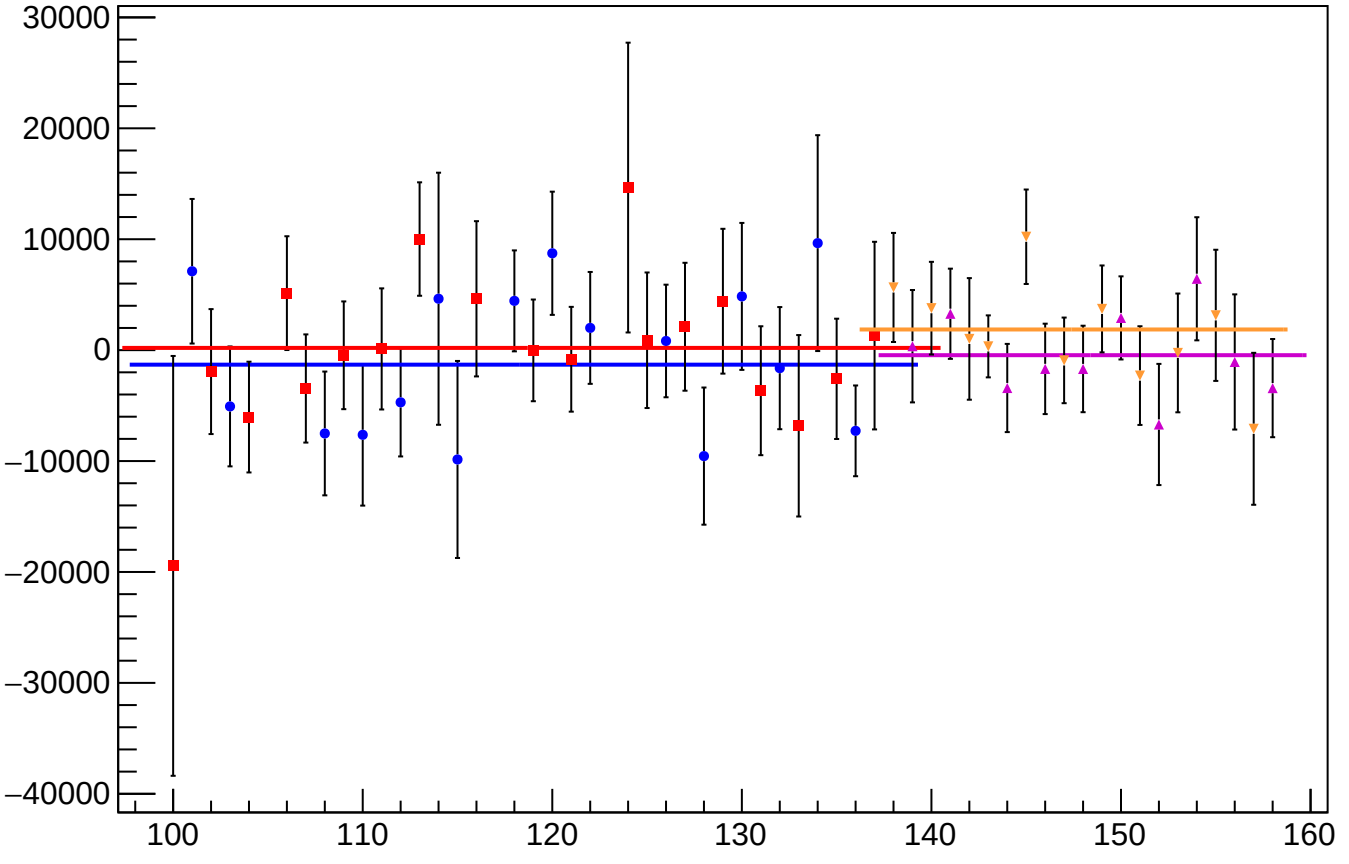
Left In: 4130.057+/-1.004 χ^2/NDF:423452.1/9

+ sign 3609.779+/-0.658 χ^2/NDF: 1453330.1/26

All: 3596.204+/-0.462 χ^2/NDF: 3159206.6/55

- sign 3583.032+/-0.648 χ^2/NDF: 1705037.6/28

asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 1863.162+/-1310.041 χ^2/NDF:8.5/10

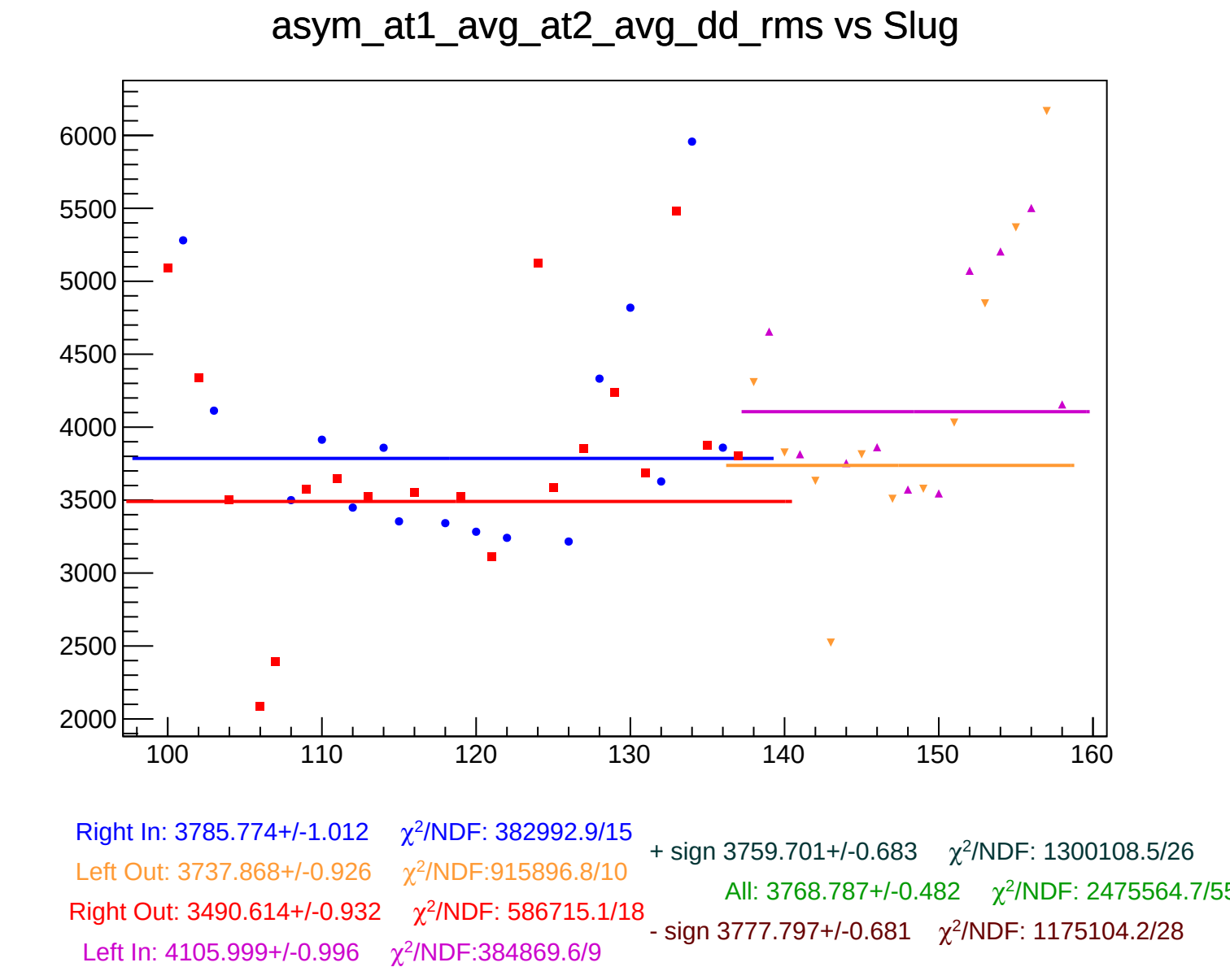
Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

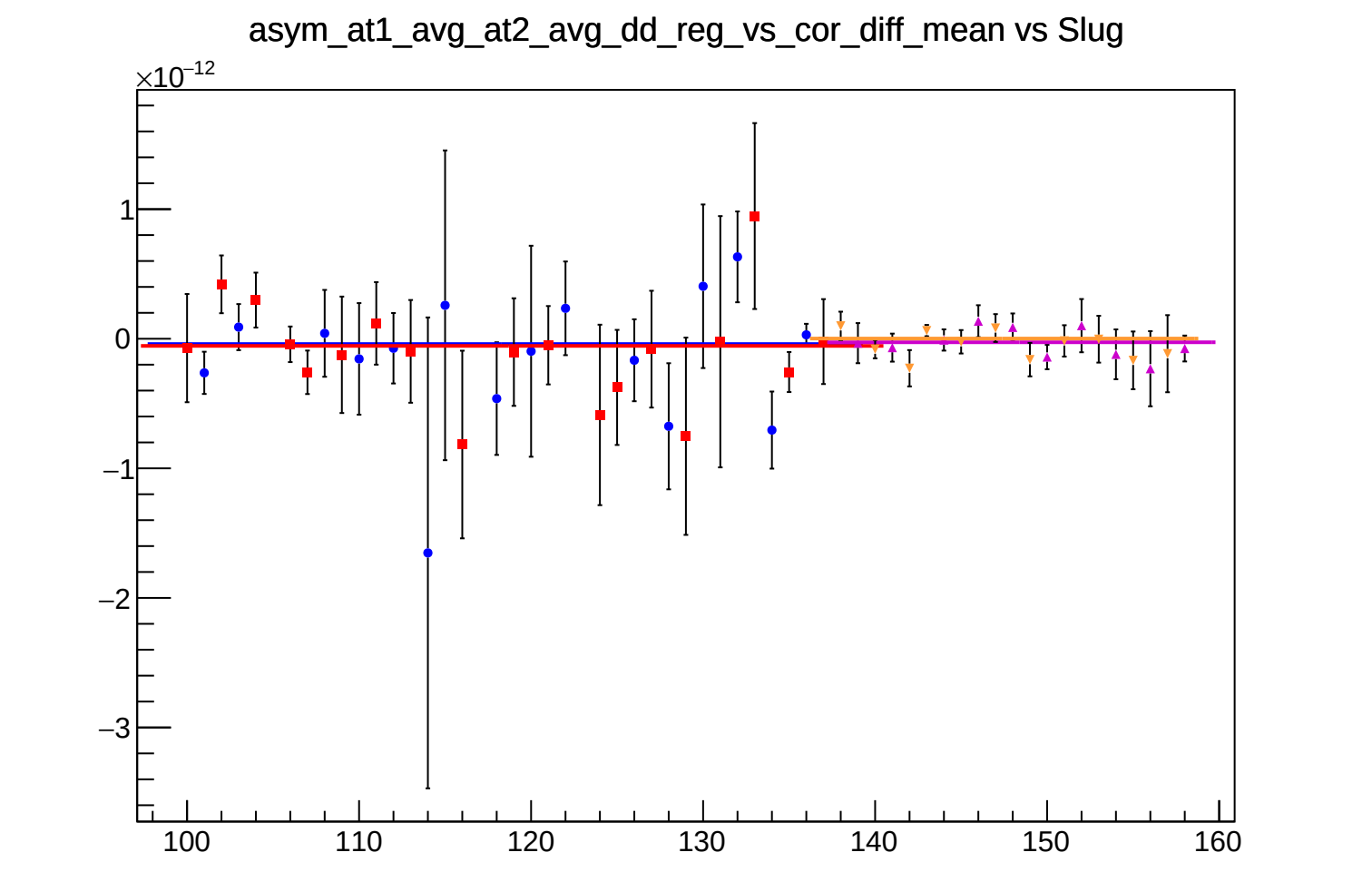
Left In: -454.679+/-1408.822 χ^2/NDF:5.7/9

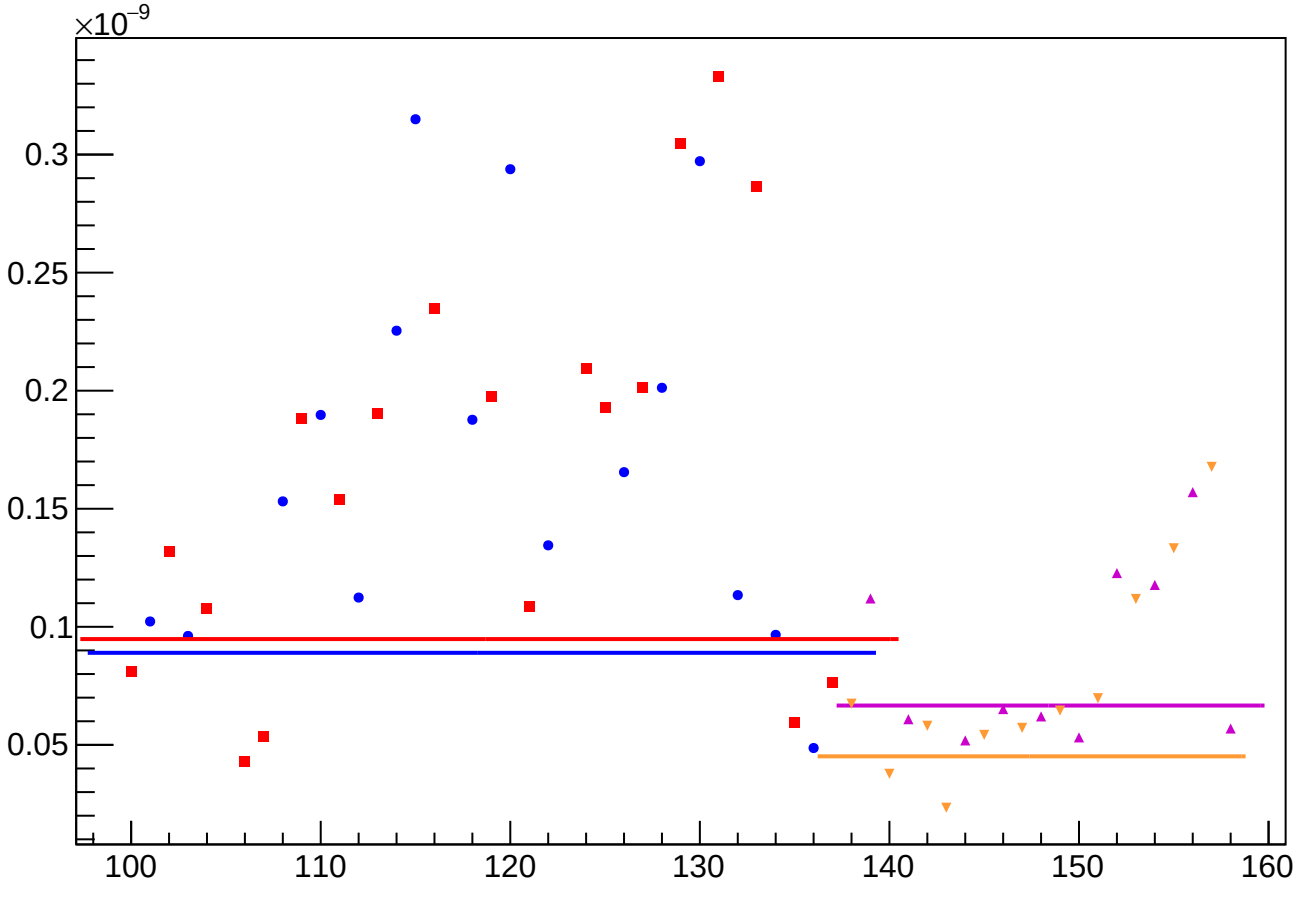
+ sign 417.320+/-966.469 χ^2/NDF: 28.8/26

All: 154.889+/-684.445 χ^2/NDF: 46.4/55

- sign -109.159+/-969.441 χ^2/NDF: 17.5/28


asym_at1_avg_at2_avg_dd_rms vs Slug
6000
5500
5000
4500
4000
3500
3000
2500
2000
100
110
120
130
140
150
160
Right In: 3785.774+/-1.012 χ²/NDF: 382992.9/15
Left Out: 3737.868+/-0.926 χ²/NDF:915896.8/10
Right Out: 3490.614+/-0.932 χ²/NDF: 586715.1/18
Left In: 4105.999+/-0.996 χ²/NDF:384869.6/9
+ sign 3759.701+/-0.683 χ²/NDF: 1300108.5/26
All: 3768.787+/-0.482 χ²/NDF: 2475564.7/55
- sign 3777.797+/-0.681 χ²/NDF: 1175104.2/28


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
1
0
−1
−2
−3
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: 0.000+/-0.000 χ²/NDF:9.7/10
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: -0.000+/-0.000 χ²/NDF:5.9/9
+ sign -0.000+/-0.000 χ²/NDF: 26.8/26
All: -0.000+/-0.000 χ²/NDF: 49.2/55
- sign -0.000+/-0.000 χ²/NDF: 21.9/28



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1710752.5/10

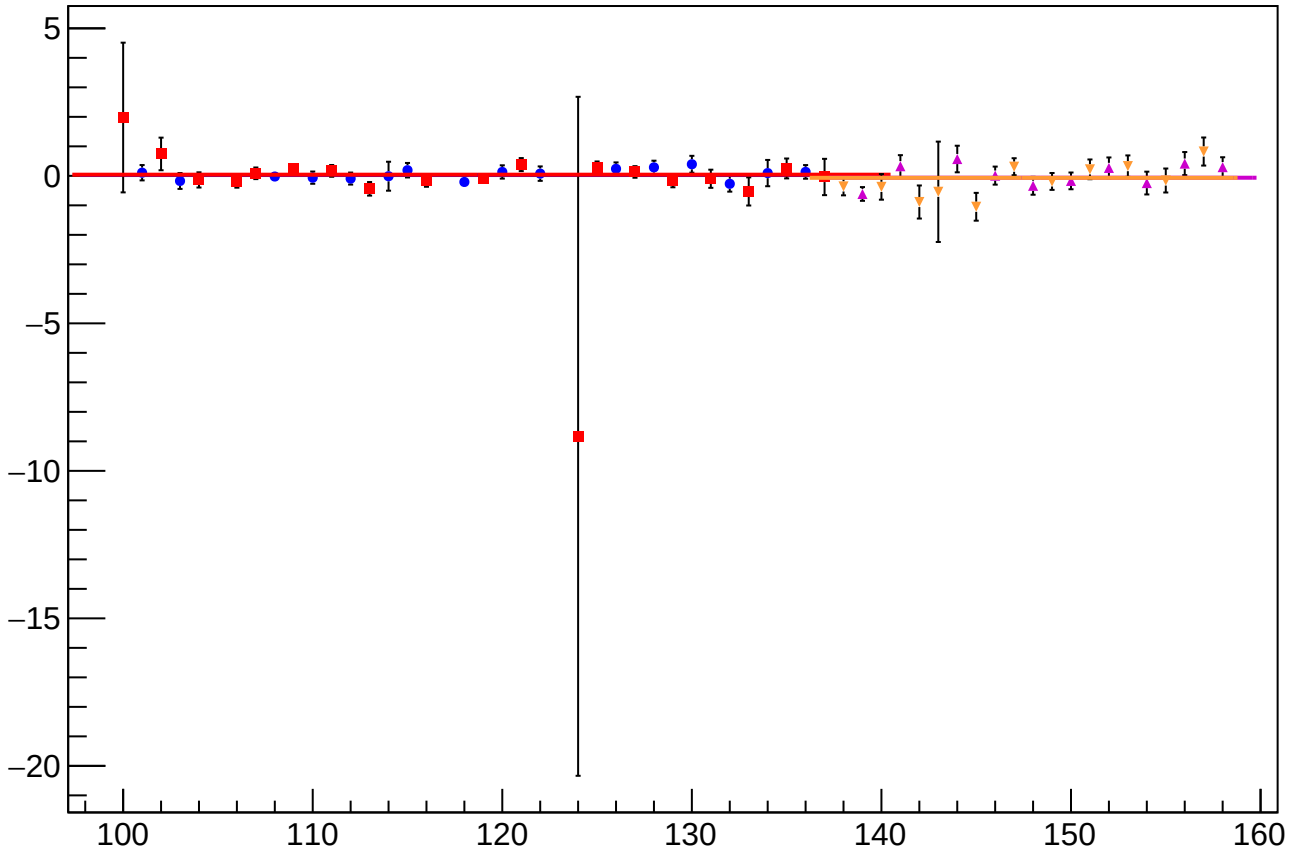
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:790929.3/9

+ sign 0.000+/-0.000 χ^2/NDF: 4069870.6/26

All: 0.000+/-0.000 χ^2/NDF: 7380104.0/55

- sign 0.000+/-0.000 χ^2/NDF: 2812992.9/28



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.067+/-0.115 χ^2/NDF:15.4/10

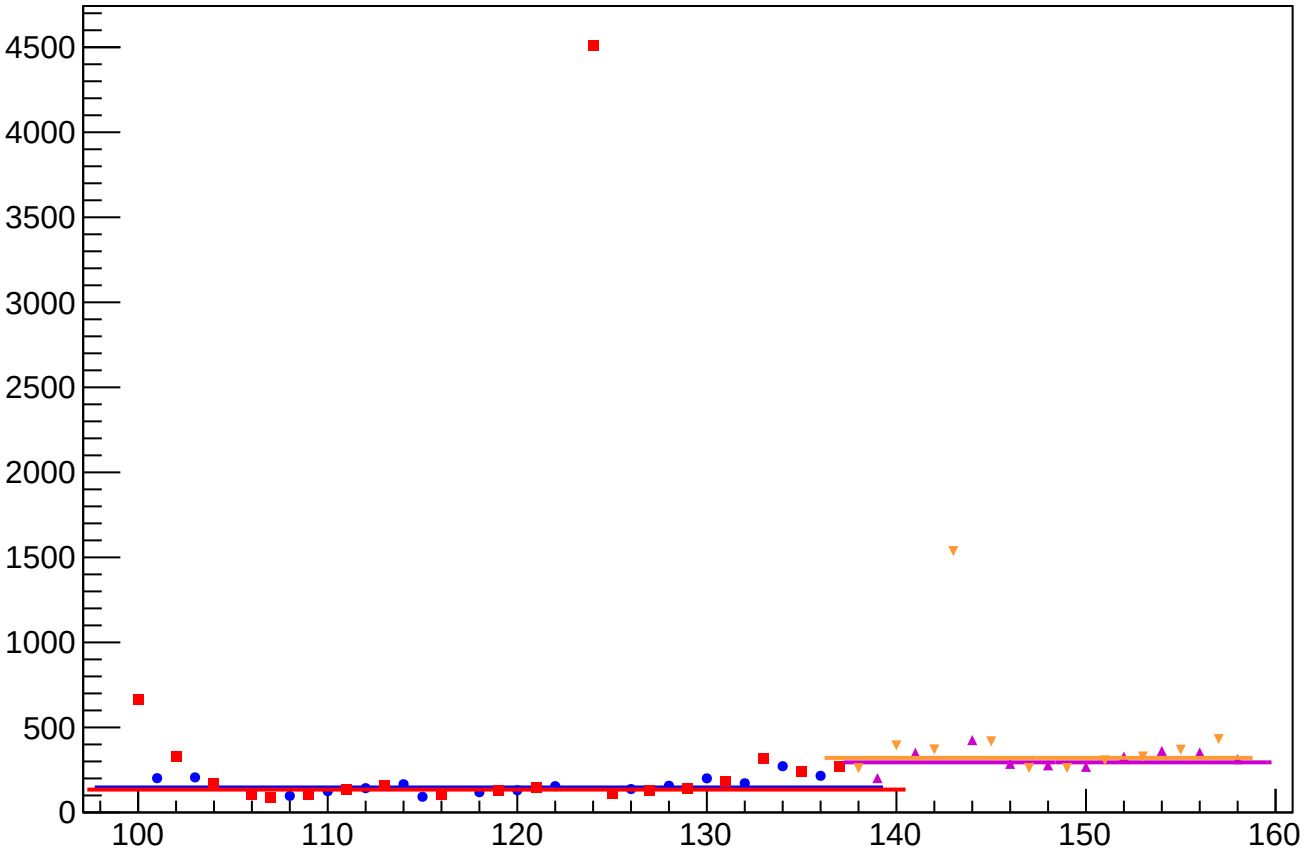
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.064+/-0.103 χ^2/NDF:13.4/9

+ sign 0.009+/-0.052 χ^2/NDF: 25.3/26

All: 0.013+/-0.035 χ^2/NDF: 59.6/55

- sign 0.016+/-0.048 χ^2/NDF: 34.2/28



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 320.937+/-0.081 χ^2/NDF:1571537.4/10

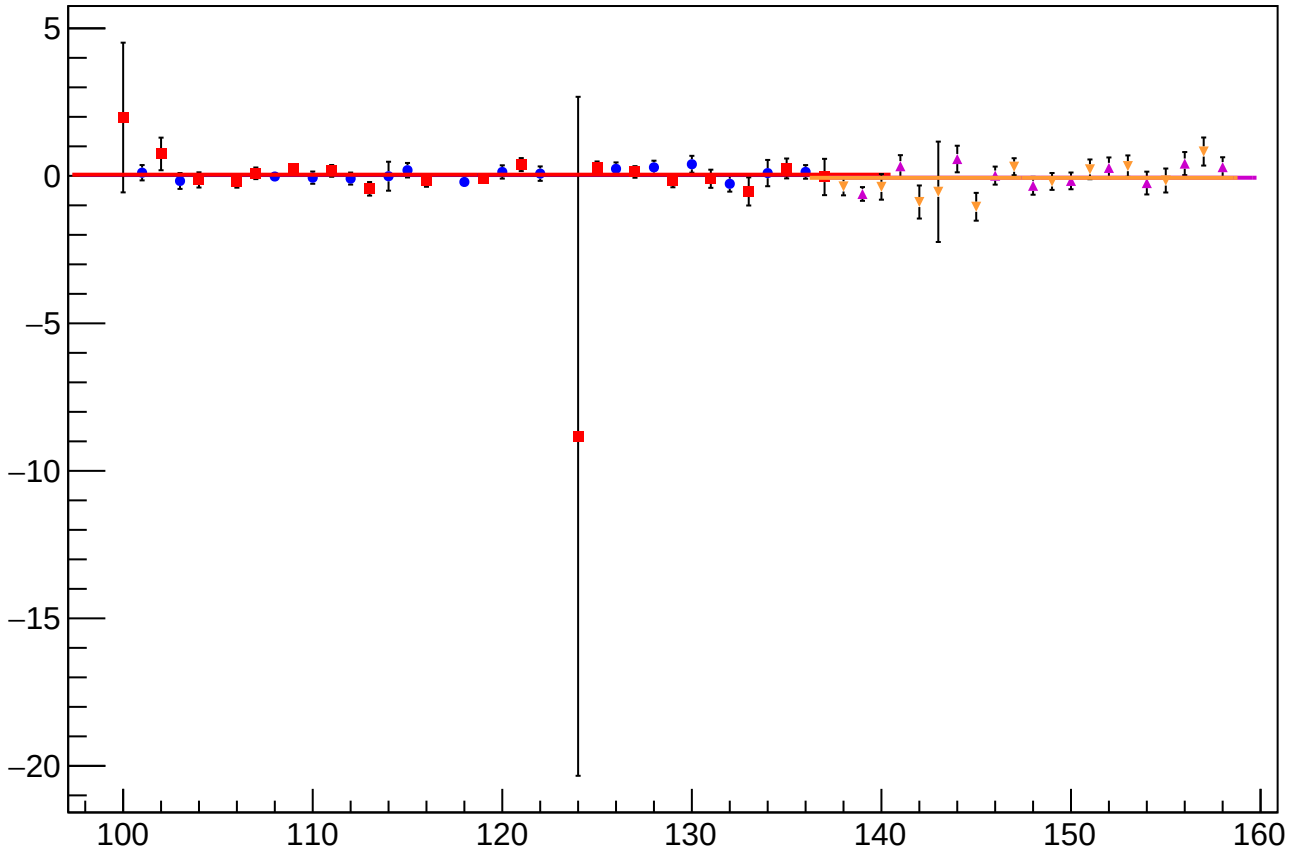
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 294.671+/-0.073 χ^2/NDF:683079.9/9

+ sign 181.813+/-0.036 χ^2/NDF: 6229013.9/26

All: 175.489+/-0.025 χ^2/NDF: 12356979.2/55

- sign 169.933+/-0.034 χ^2/NDF: 6071476.9/28



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.067+/-0.115 χ^2/NDF:15.4/10

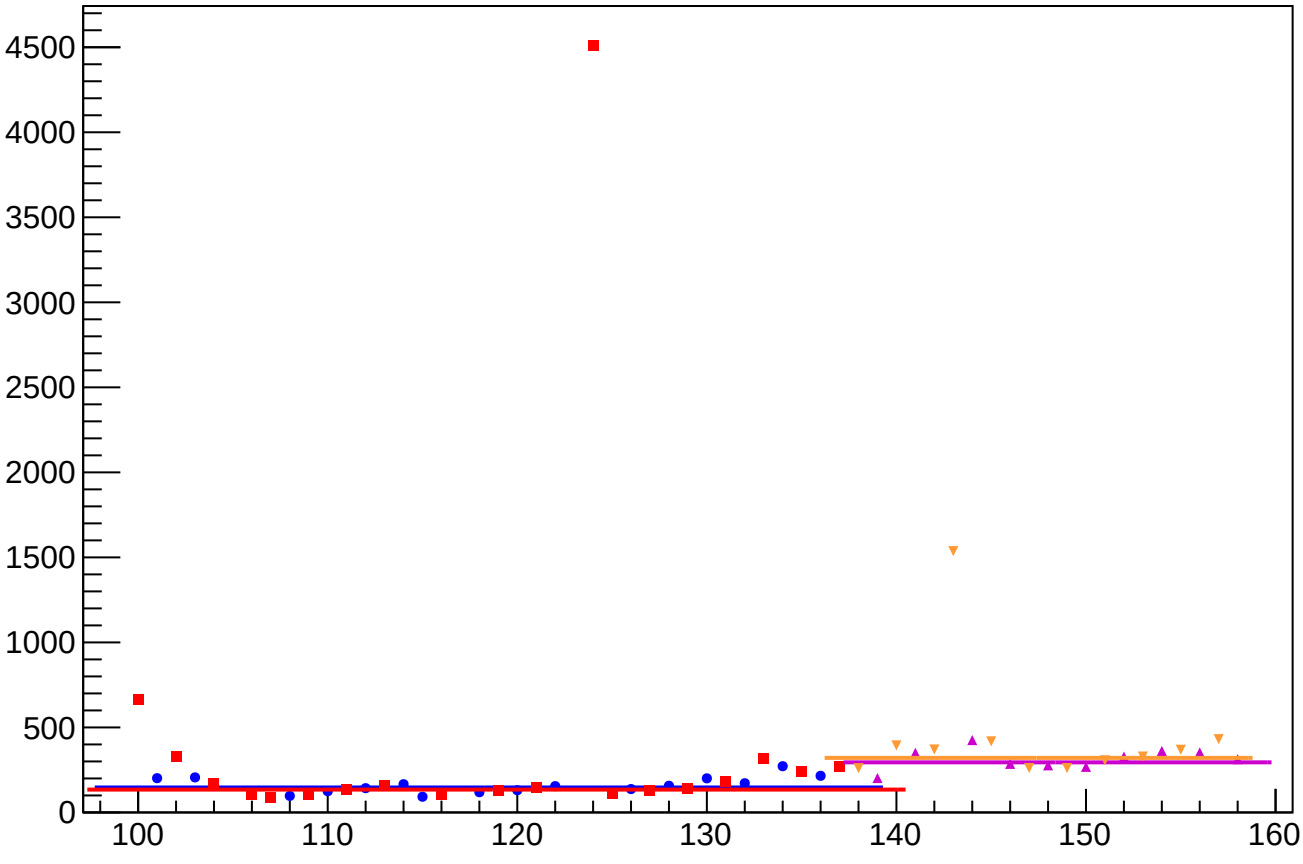
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.064+/-0.103 χ^2/NDF:13.4/9

+ sign 0.009+/-0.052 χ^2/NDF: 25.3/26

All: 0.013+/-0.035 χ^2/NDF: 59.6/55

- sign 0.016+/-0.048 χ^2/NDF: 34.2/28



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 320.937+/-0.081 χ^2/NDF:1571537.4/10

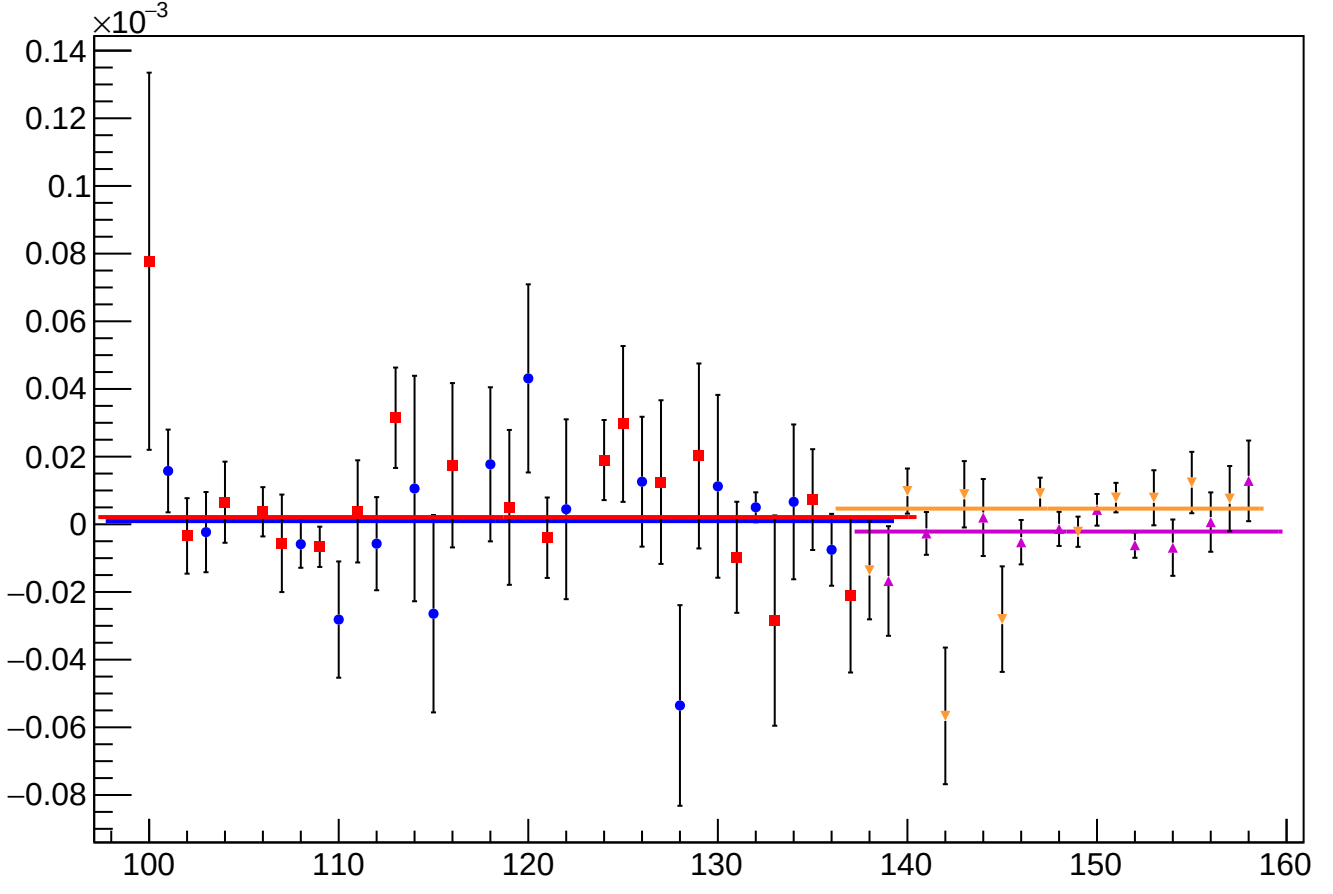
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 294.671+/-0.073 χ^2/NDF:683079.9/9

+ sign 181.813+/-0.036 χ^2/NDF: 6229013.9/26

All: 175.489+/-0.025 χ^2/NDF: 12356979.2/55

- sign 169.933+/-0.034 χ^2/NDF: 6071476.9/28



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.8/10

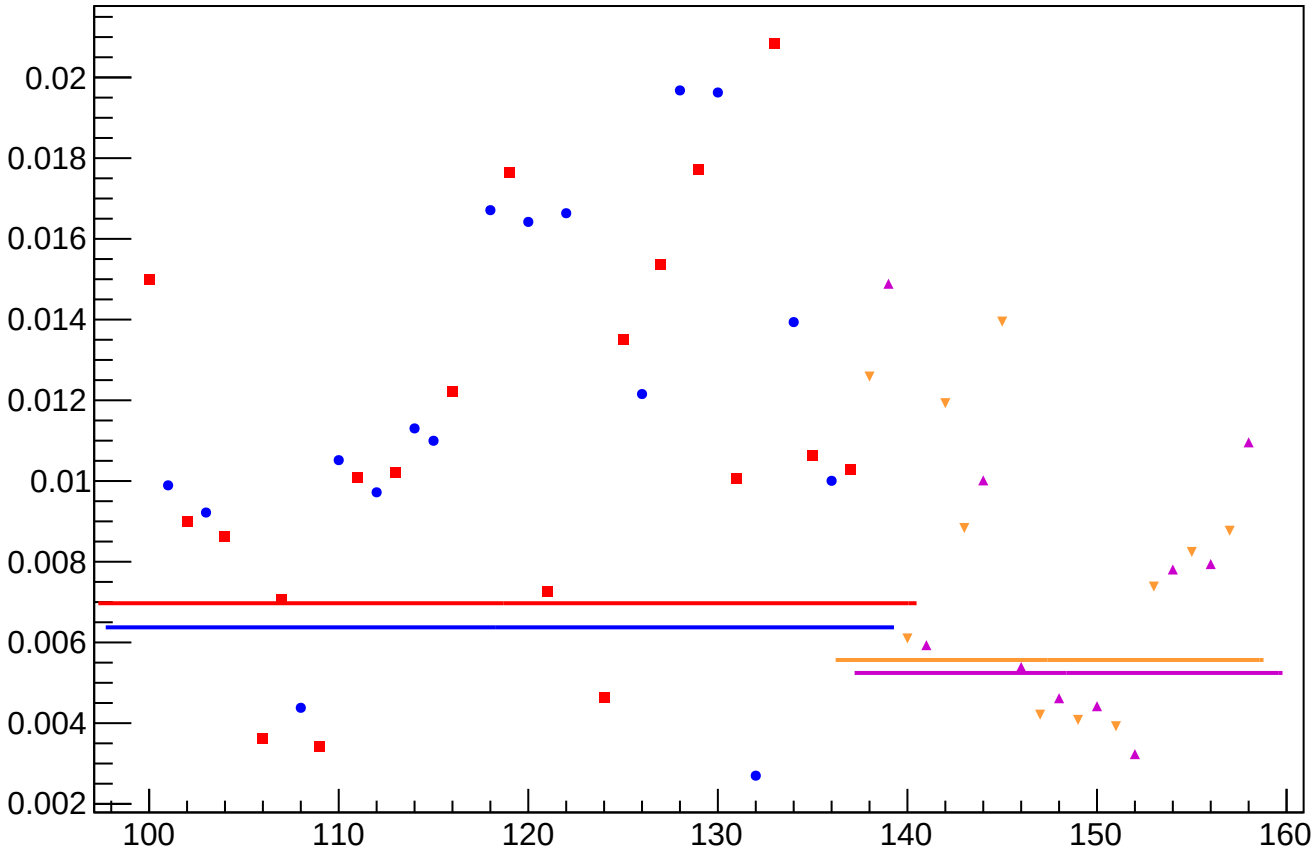
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:6.3/9

+ sign 0.000+/-0.000 χ^2/NDF: 36.7/26

All: 0.000+/-0.000 χ^2/NDF: 63.6/55

- sign -0.000+/-0.000 χ^2/NDF: 23.7/28



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:2653767.7/10

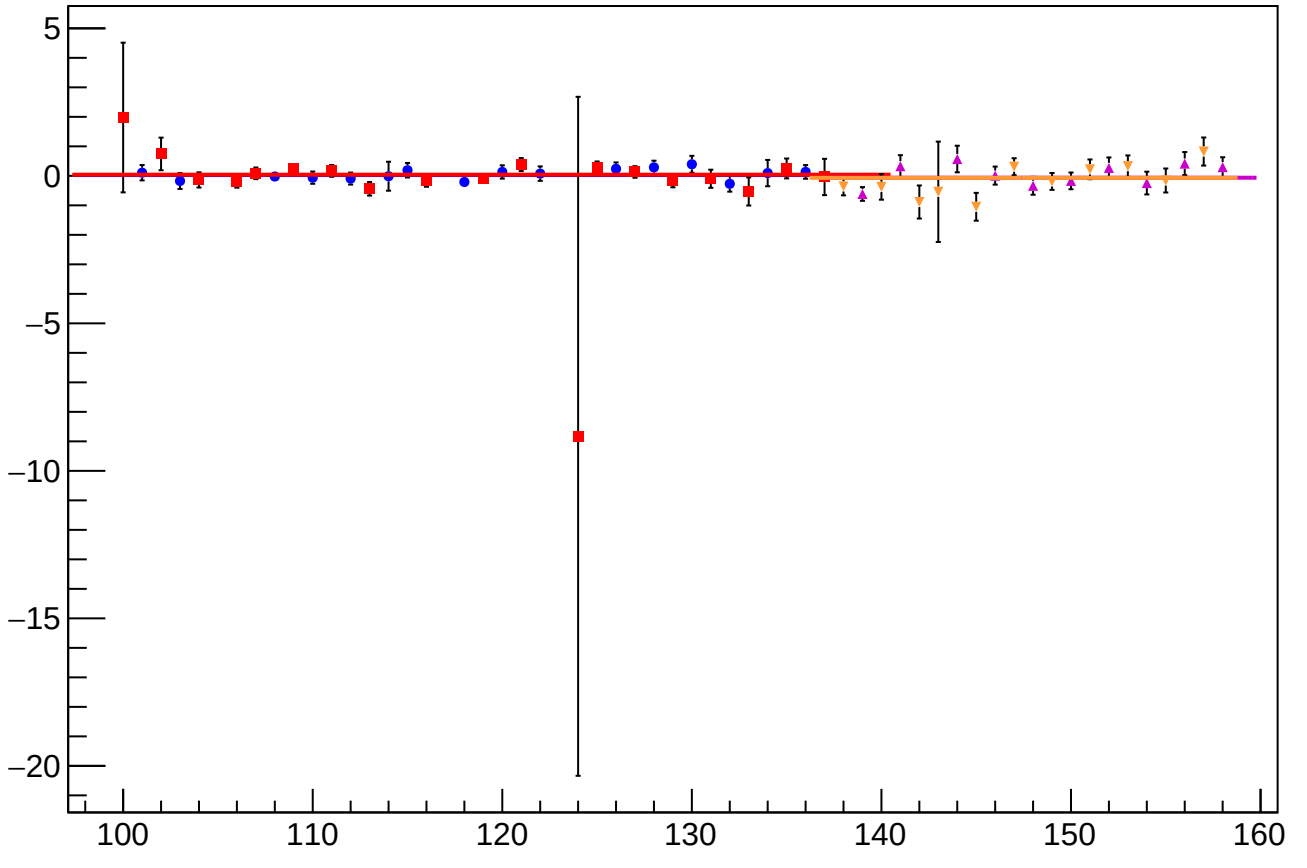
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:2597872.0/9

+ sign 0.006+/-0.000 χ^2/NDF: 7394924.7/26

All: 0.006+/-0.000 χ^2/NDF: 13860907.8/55

- sign 0.006+/-0.000 χ^2/NDF: 6464444.3/28



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.067+/-0.115 χ^2/NDF:15.4/10

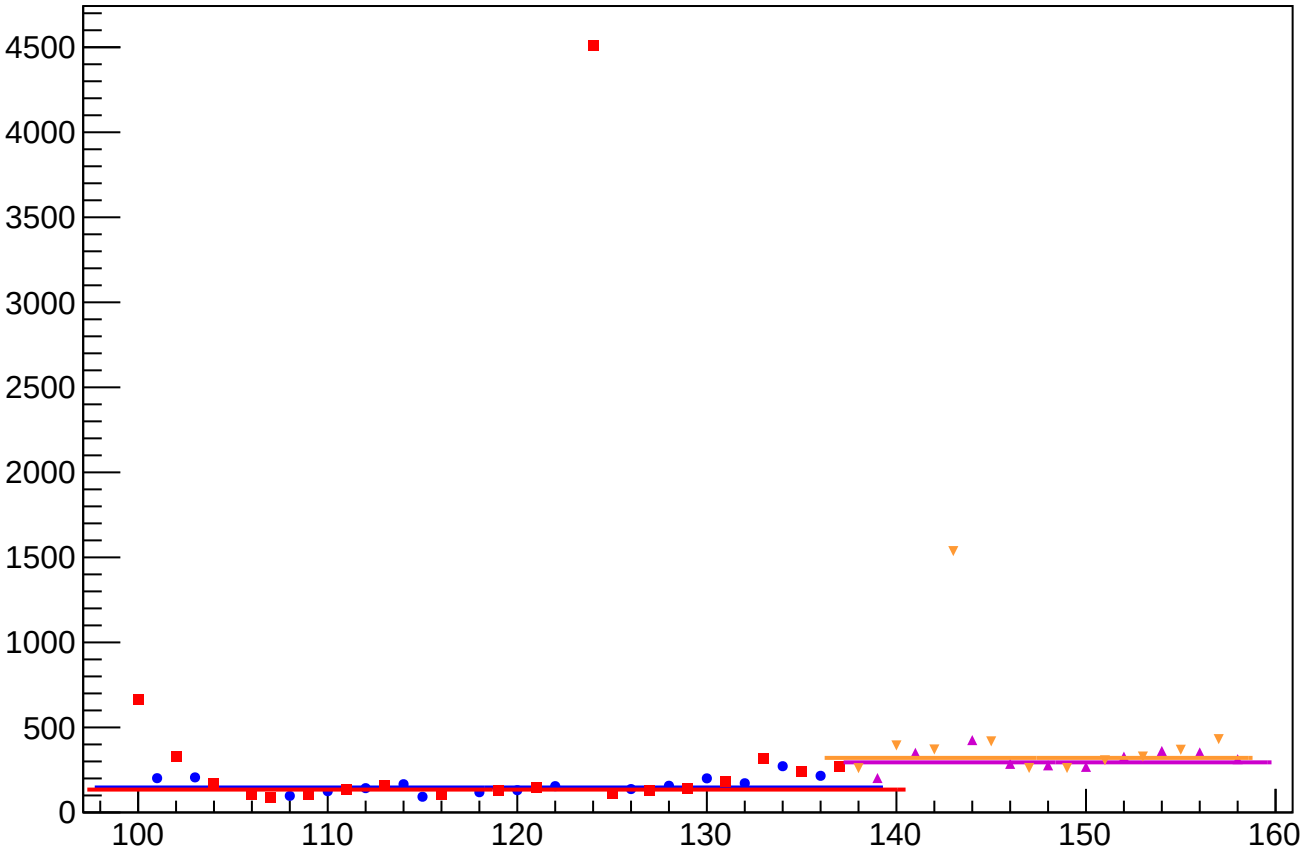
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.064+/-0.103 χ^2/NDF:13.4/9

+ sign 0.009+/-0.052 χ^2/NDF: 25.3/26

All: 0.013+/-0.035 χ^2/NDF: 59.6/55

- sign 0.016+/-0.048 χ^2/NDF: 34.2/28



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 320.940+/-0.081 χ^2/NDF:1571541.1/10

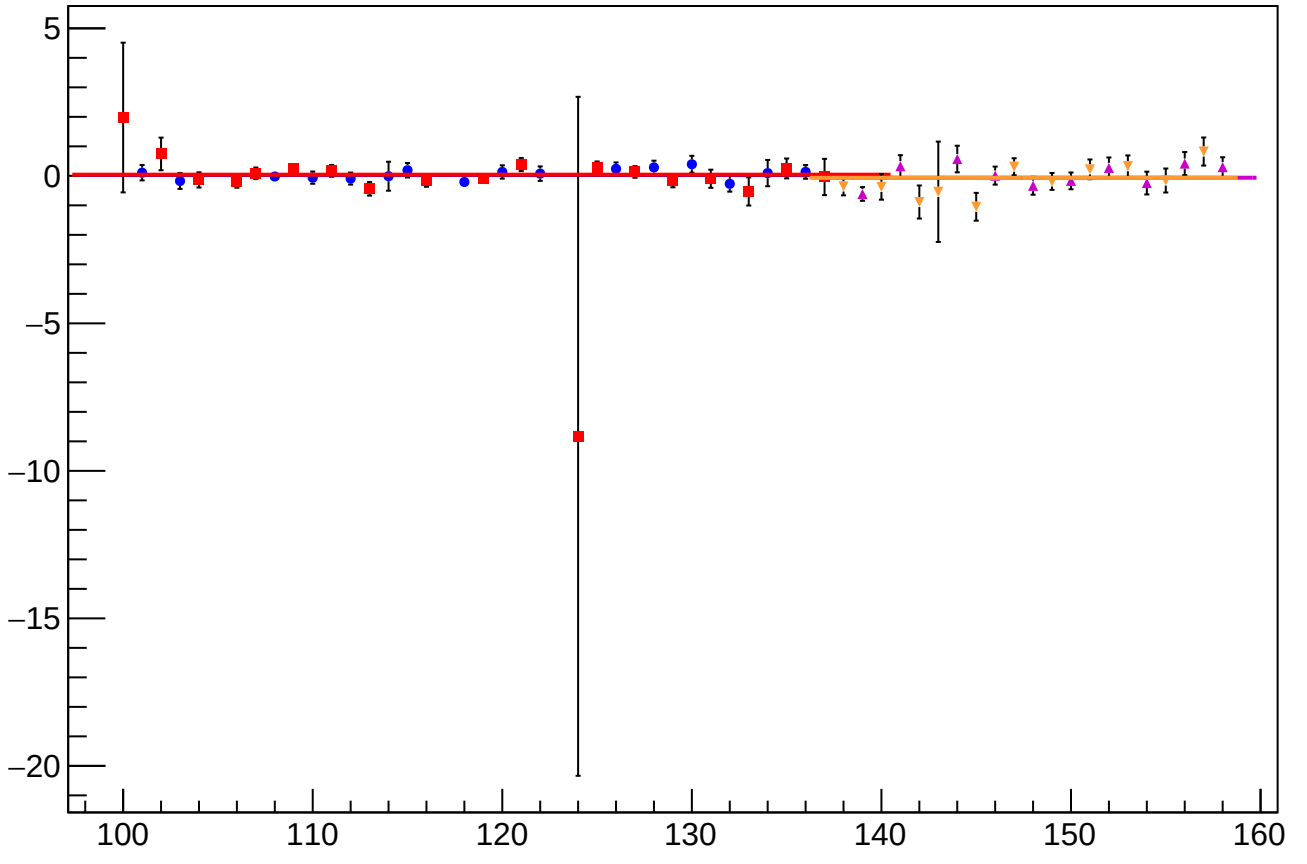
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 294.676+/-0.073 χ^2/NDF:683060.5/9

+ sign 181.813+/-0.036 χ^2/NDF: 6229048.6/26

All: 175.489+/-0.025 χ^2/NDF: 12356950.2/55

- sign 169.934+/-0.034 χ^2/NDF: 6071428.7/28



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.067+/-0.115 χ^2/NDF:15.4/10

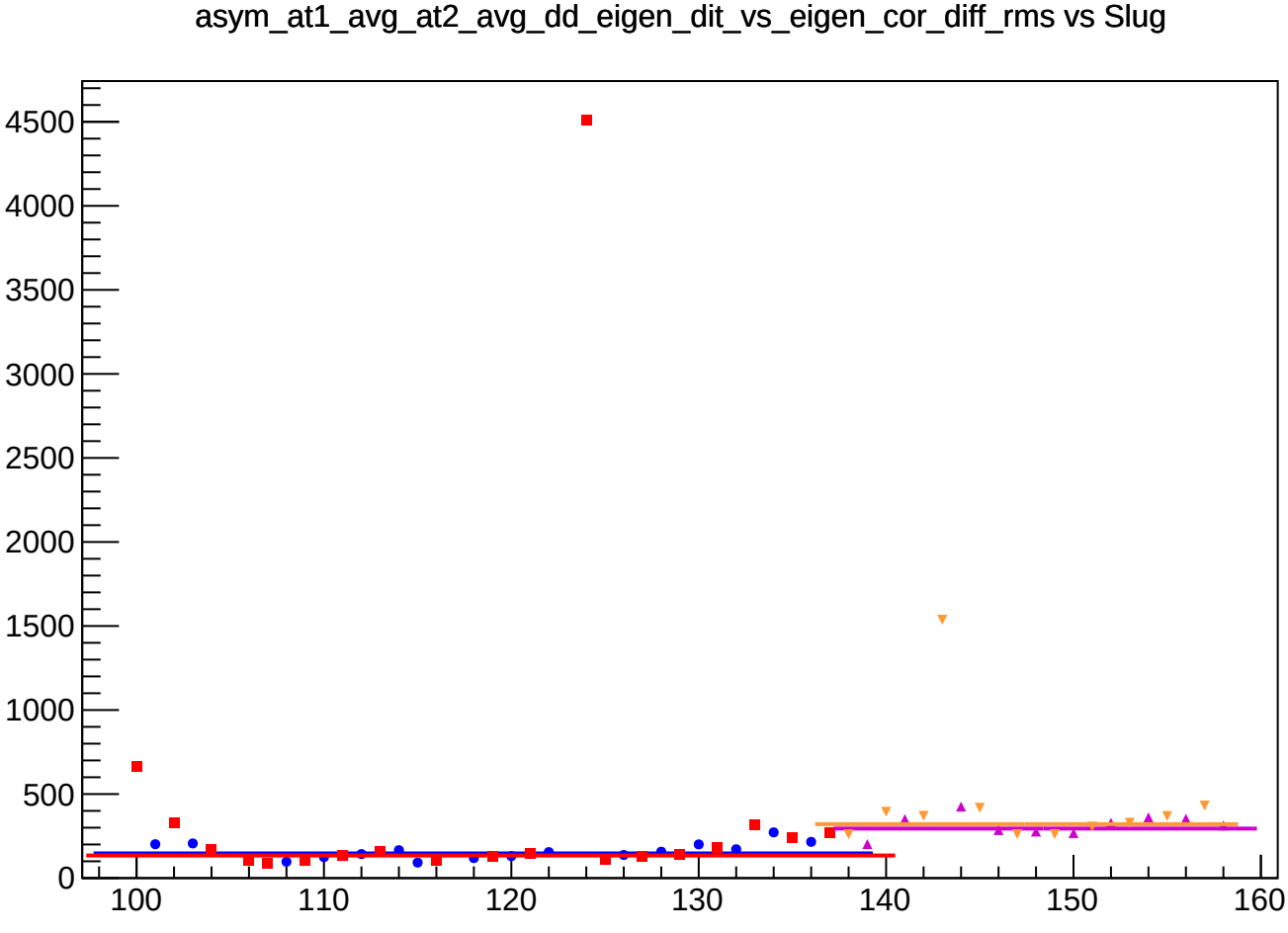
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.064+/-0.103 χ^2/NDF:13.4/9

+ sign 0.009+/-0.052 χ^2/NDF: 25.3/26

All: 0.013+/-0.035 χ^2/NDF: 59.6/55

- sign 0.016+/-0.048 χ^2/NDF: 34.2/28



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 320.940+/-0.081 χ^2/NDF:1571541.1/10

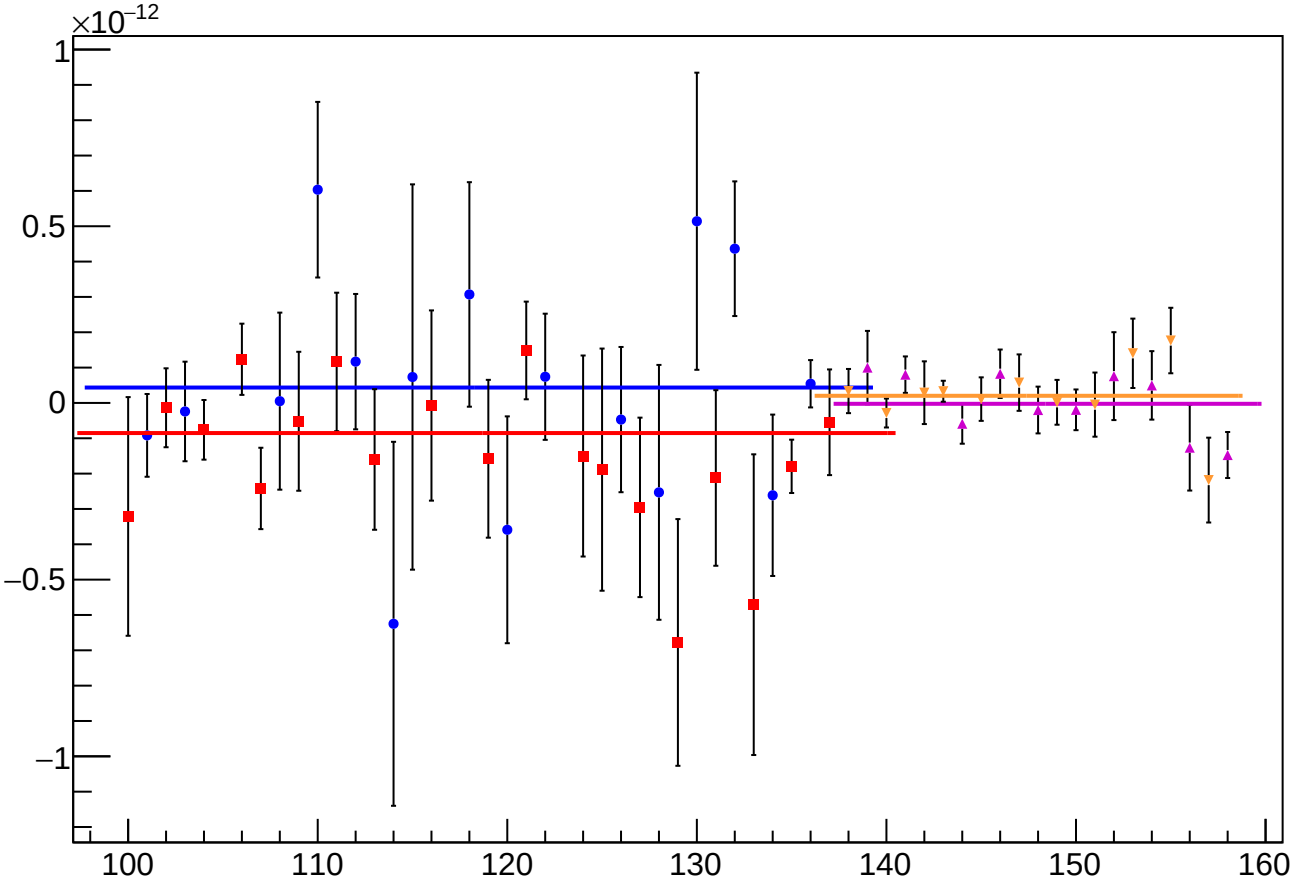
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 294.676+/-0.073 χ^2/NDF:683060.5/9

+ sign 181.813+/-0.036 χ^2/NDF: 6229048.6/26

All: 175.489+/-0.025 χ^2/NDF: 12356950.2/55

- sign 169.934+/-0.034 χ^2/NDF: 6071428.7/28



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.4/10

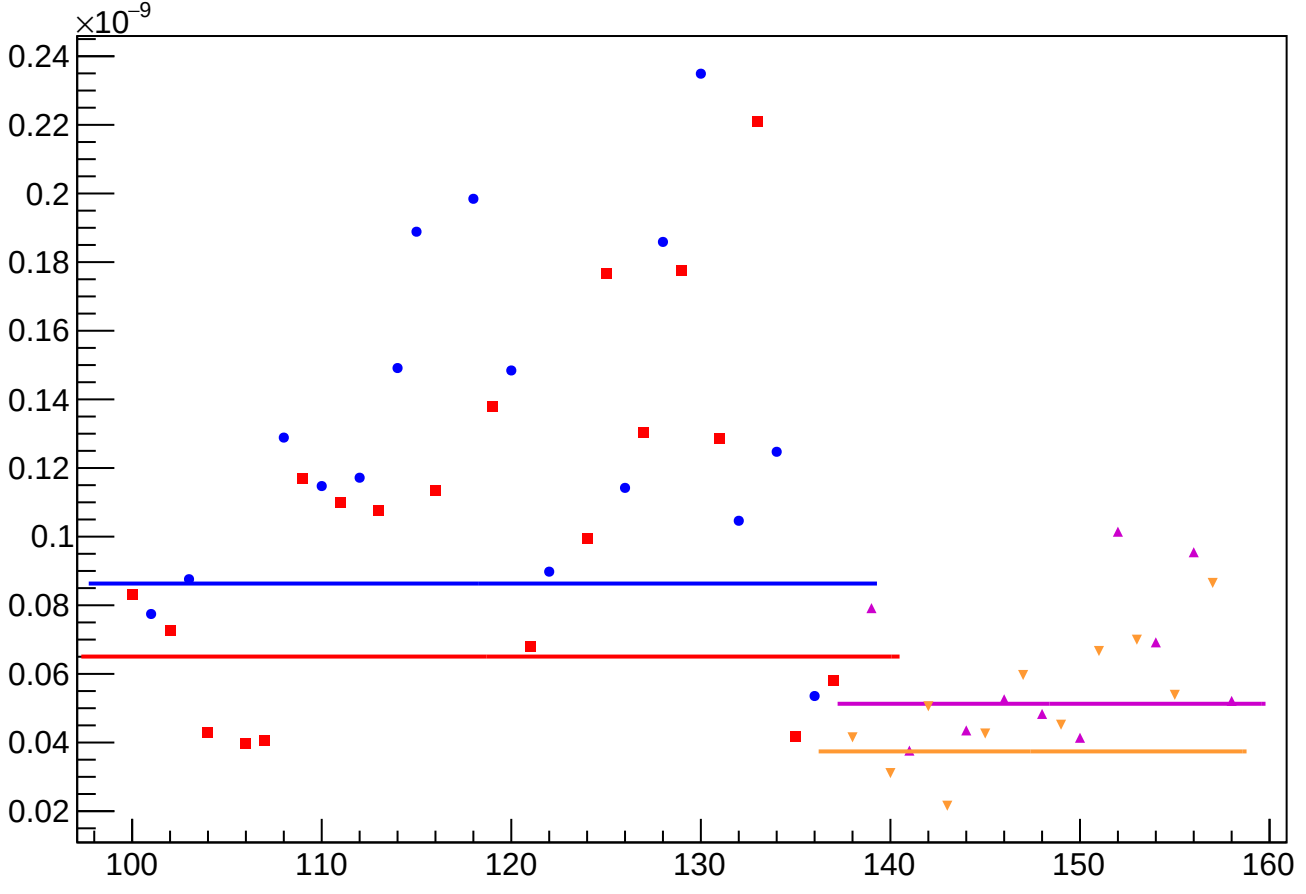
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:12.9/9

+ sign 0.000+/-0.000 χ^2/NDF: 29.6/26

All: 0.000+/-0.000 χ^2/NDF: 69.0/55

- sign -0.000+/-0.000 χ^2/NDF: 35.2/28



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1696147.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

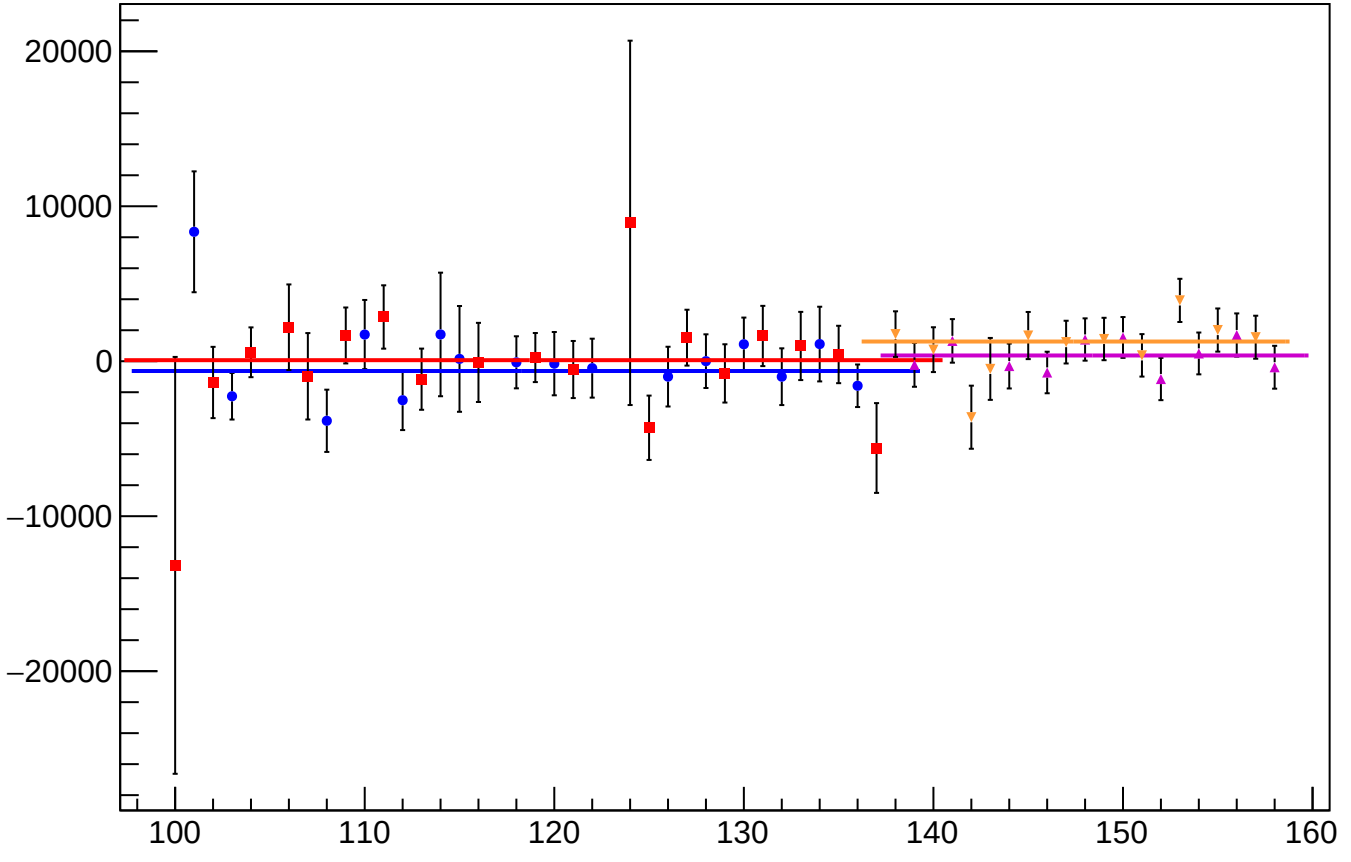
Left In: 0.000+/-0.000 χ^2/NDF:1044016.6/9

+ sign 0.000+/-0.000 χ^2/NDF: 5499242.8/26

All: 0.000+/-0.000 χ^2/NDF: 9309610.2/55

- sign 0.000+/-0.000 χ^2/NDF: 3429254.1/28

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1271.584+/-446.901 χ^2/NDF:11.2/10

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

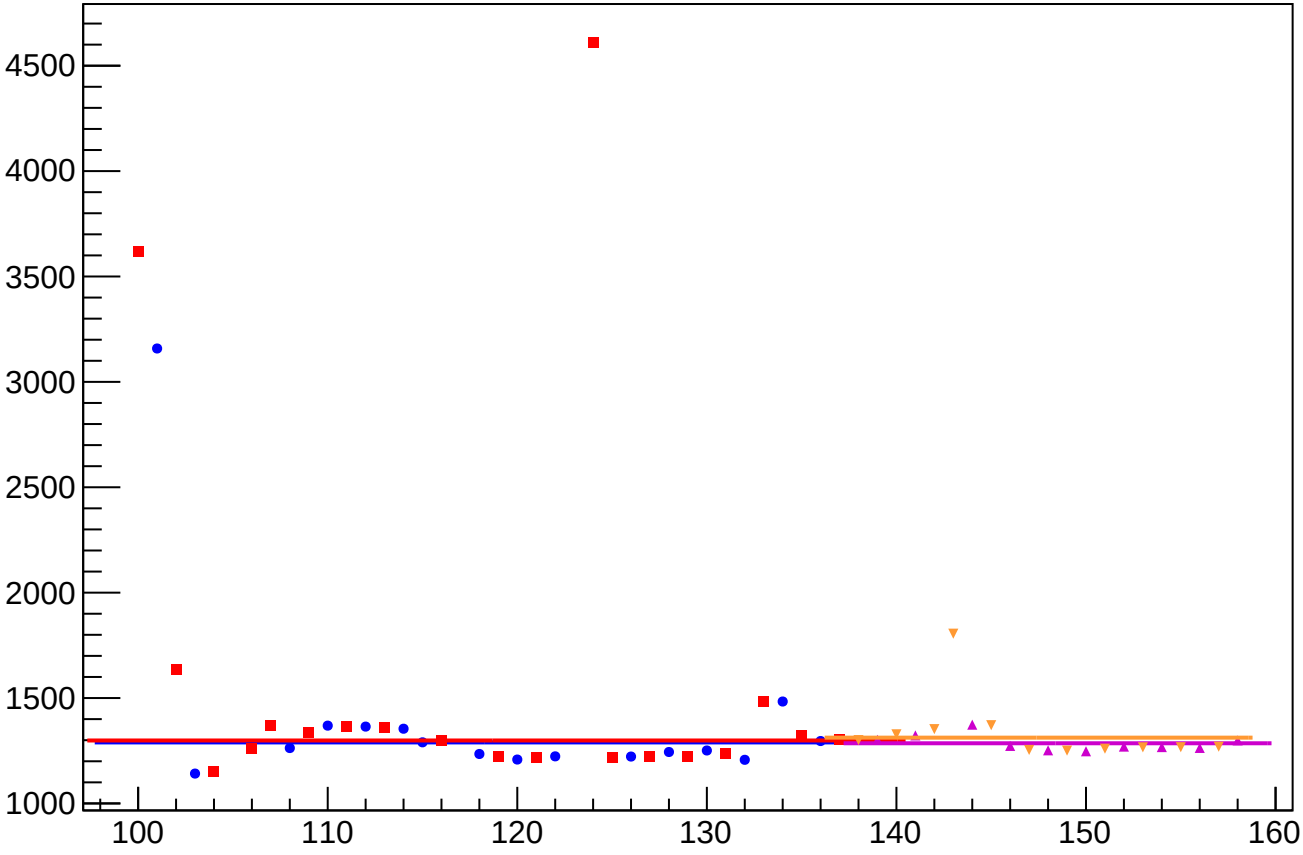
Left In: 370.992+/-435.347 χ^2/NDF:5.3/9

+ sign 405.032+/-329.784 χ^2/NDF: 33.4/26

All: 319.474+/-231.408 χ^2/NDF: 54.9/55

- sign 236.486+/-324.793 χ^2/NDF: 21.4/28

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1312.115+/-0.316 χ^2/NDF:142754.0/10

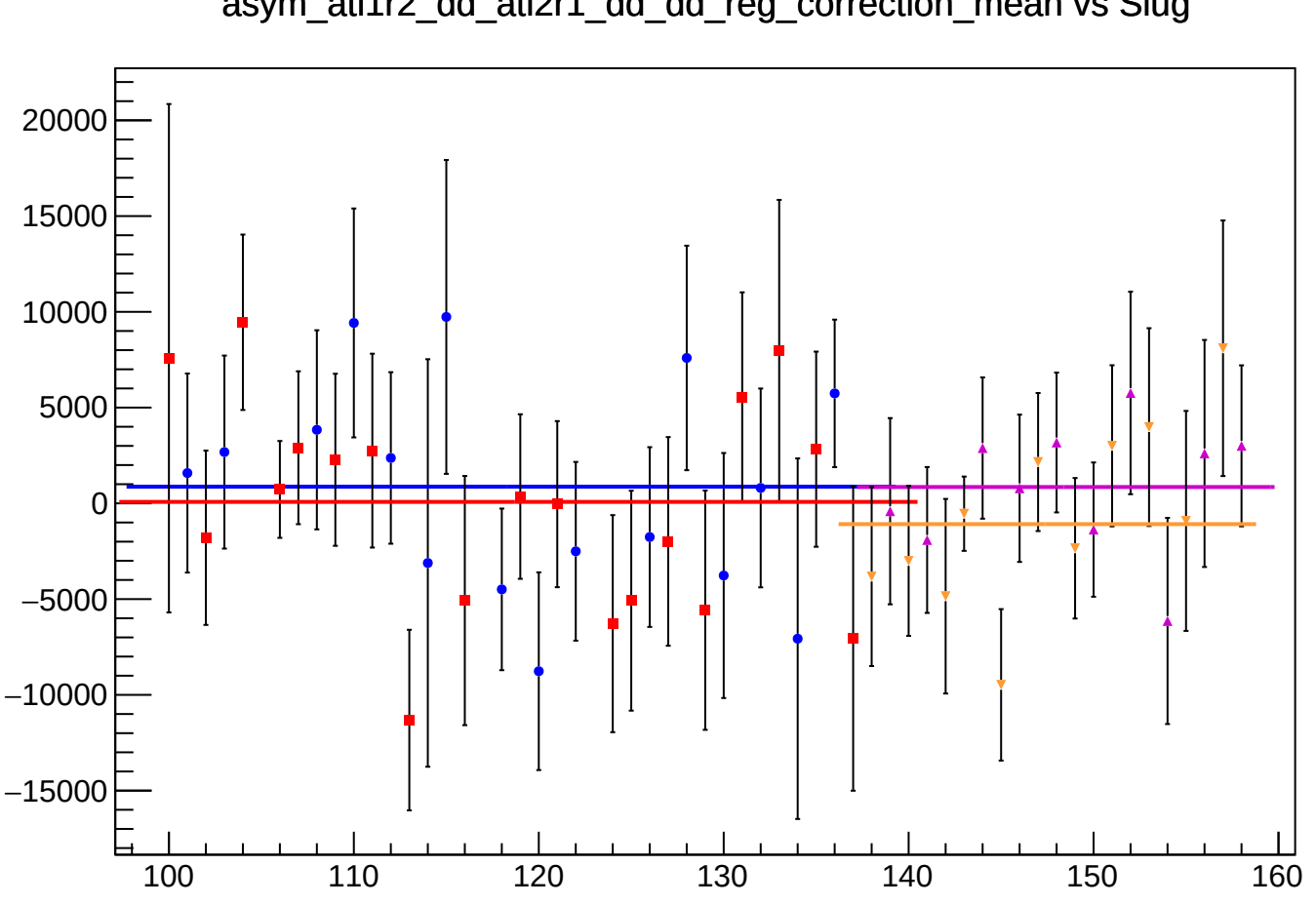
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1285.413+/-0.308 χ^2/NDF:13471.2/9

+ sign 1301.800+/-0.233 χ^2/NDF: 659768.6/26

All: 1296.465+/-0.164 χ^2/NDF: 994467.5/55

- sign 1291.302+/-0.229 χ^2/NDF: 333669.0/28



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -1084.819+/-1133.980 χ^2/NDF:10.4/10

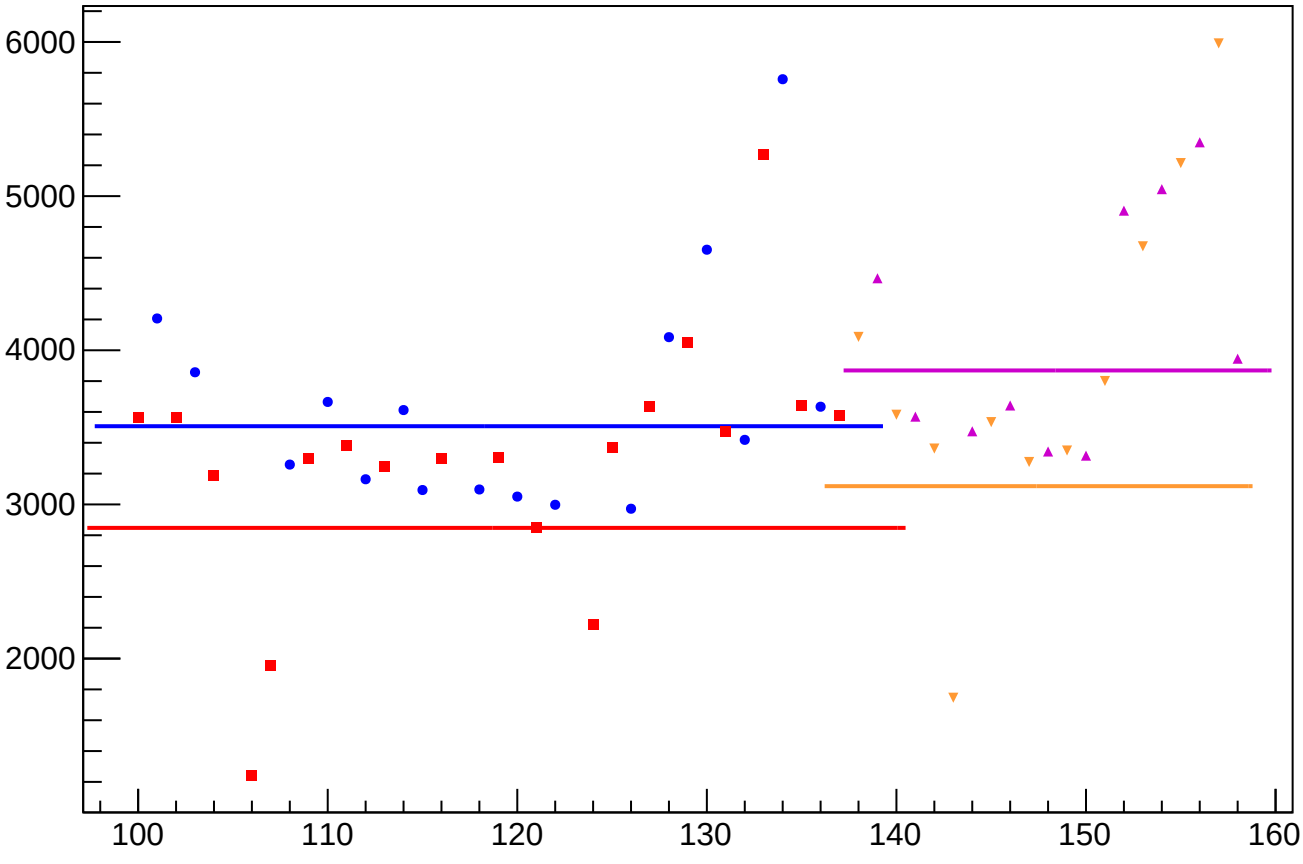
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 853.490+/-1331.282 χ^2/NDF:4.6/9

+ sign -258.429+/-861.615 χ^2/NDF: 25.7/26

All: 72.060+/-606.193 χ^2/NDF: 49.2/55

- sign 395.990+/-853.023 χ^2/NDF: 23.2/28



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3118.453+/-0.802 χ^2/NDF:2024690.3/10

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

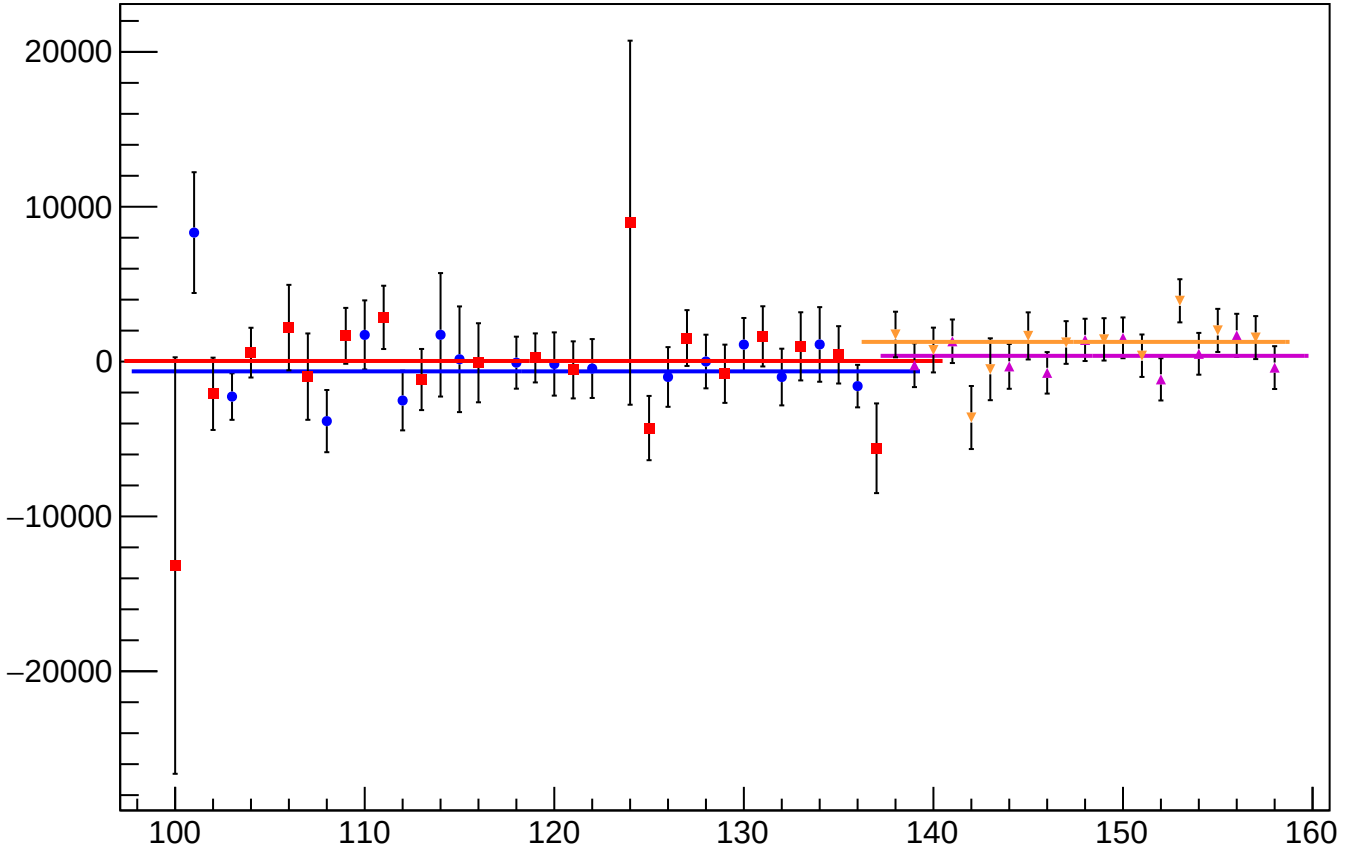
Left In: 3869.144+/-0.941 χ^2/NDF:461574.8/9

+ sign 3282.852+/-0.609 χ^2/NDF: 2478119.9/26

All: 3274.921+/-0.429 χ^2/NDF: 5133216.2/55

- sign 3267.147+/-0.603 χ^2/NDF: 2654760.8/28

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1271.563+/-446.901 χ^2/NDF:11.2/10

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

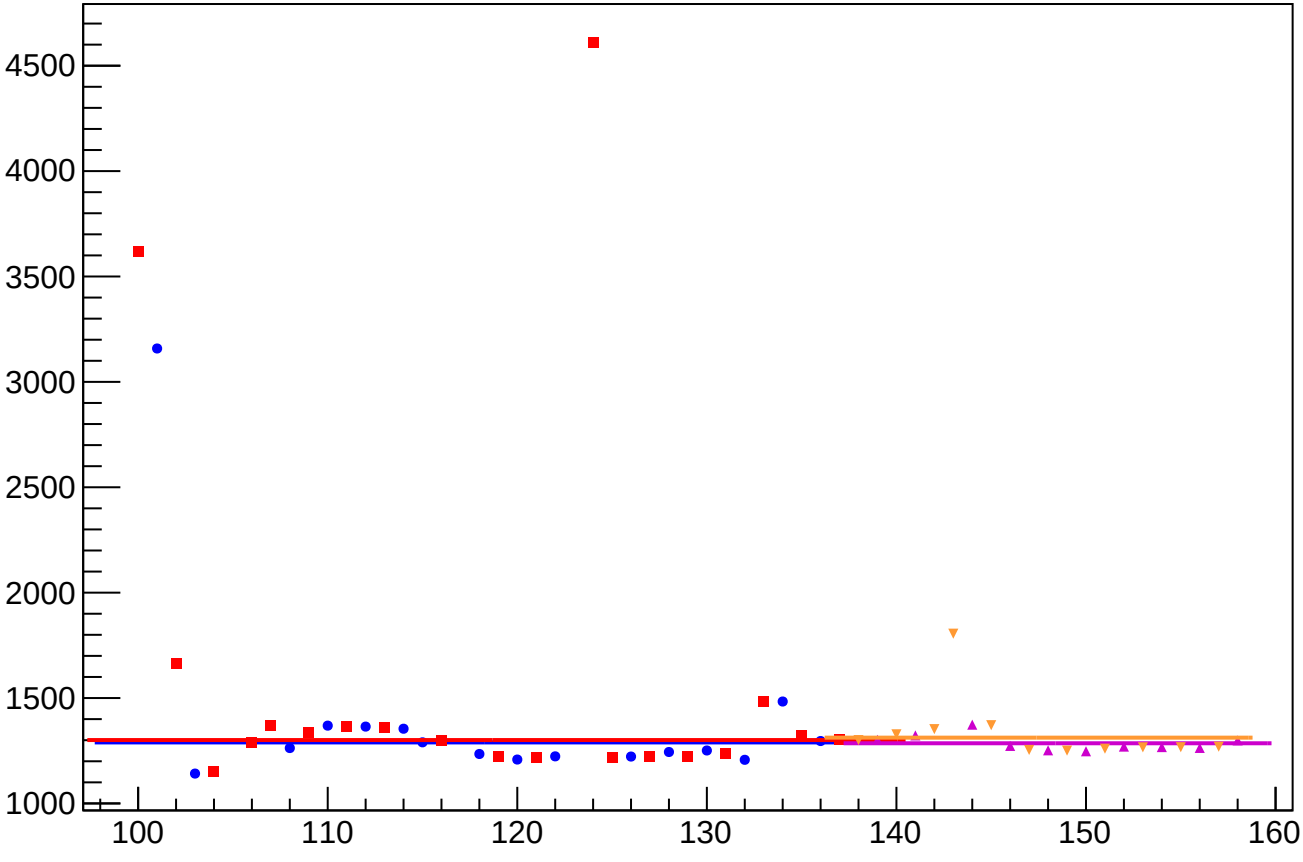
Left In: 370.993+/-435.347 χ^2/NDF:5.3/9

+ sign 404.846+/-329.784 χ^2/NDF: 33.4/26

All: 312.932+/-231.442 χ^2/NDF: 55.4/55

- sign 223.728+/-324.888 χ^2/NDF: 21.9/28

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1312.115+/-0.316 χ^2/NDF:142754.0/10

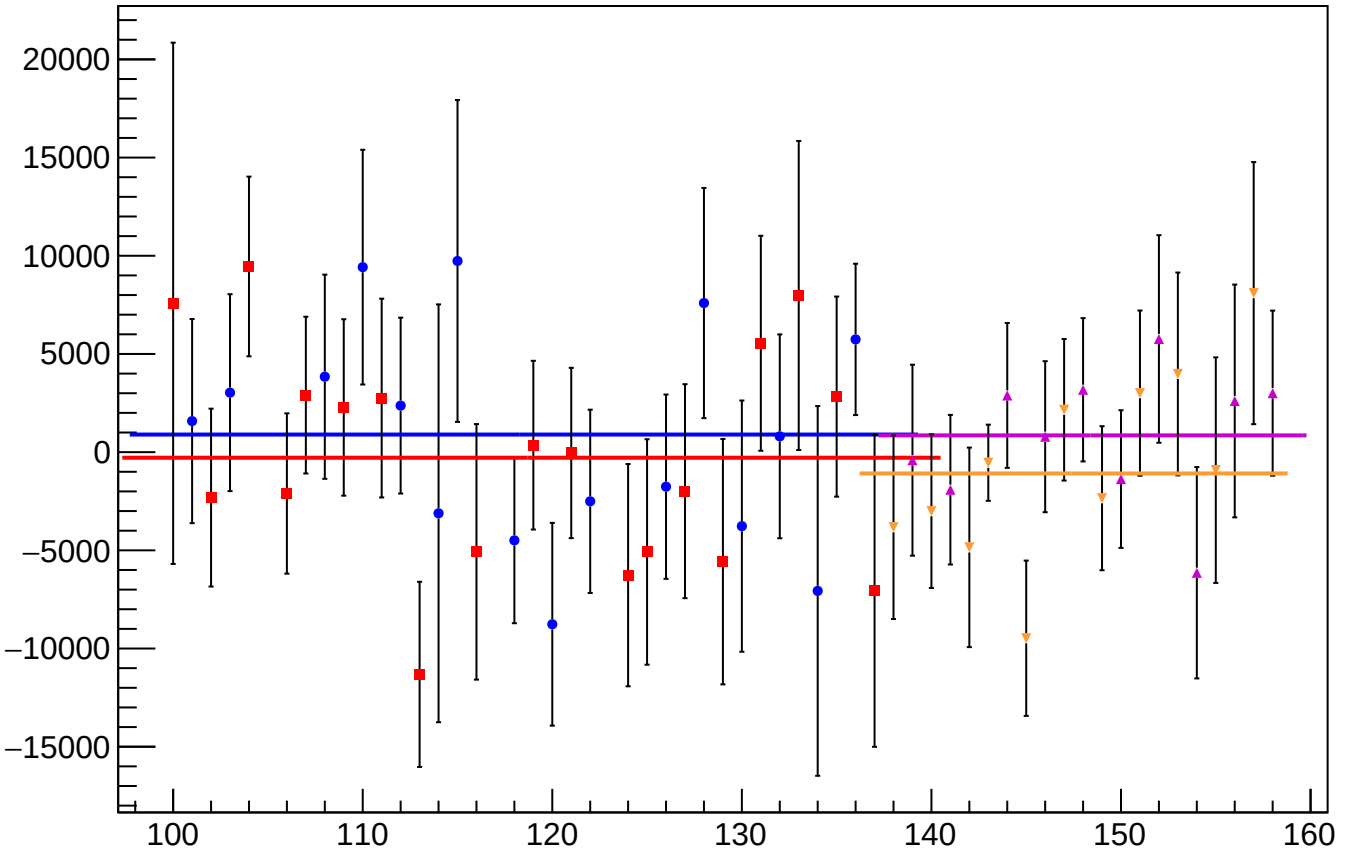
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1285.413+/-0.308 χ^2/NDF:13471.2/9

+ sign 1301.800+/-0.233 χ^2/NDF: 659770.1/26

All: 1296.921+/-0.164 χ^2/NDF: 1001103.4/55

- sign 1292.193+/-0.230 χ^2/NDF: 340471.5/28



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1084.750+/-1133.977 χ^2/NDF:10.4/10

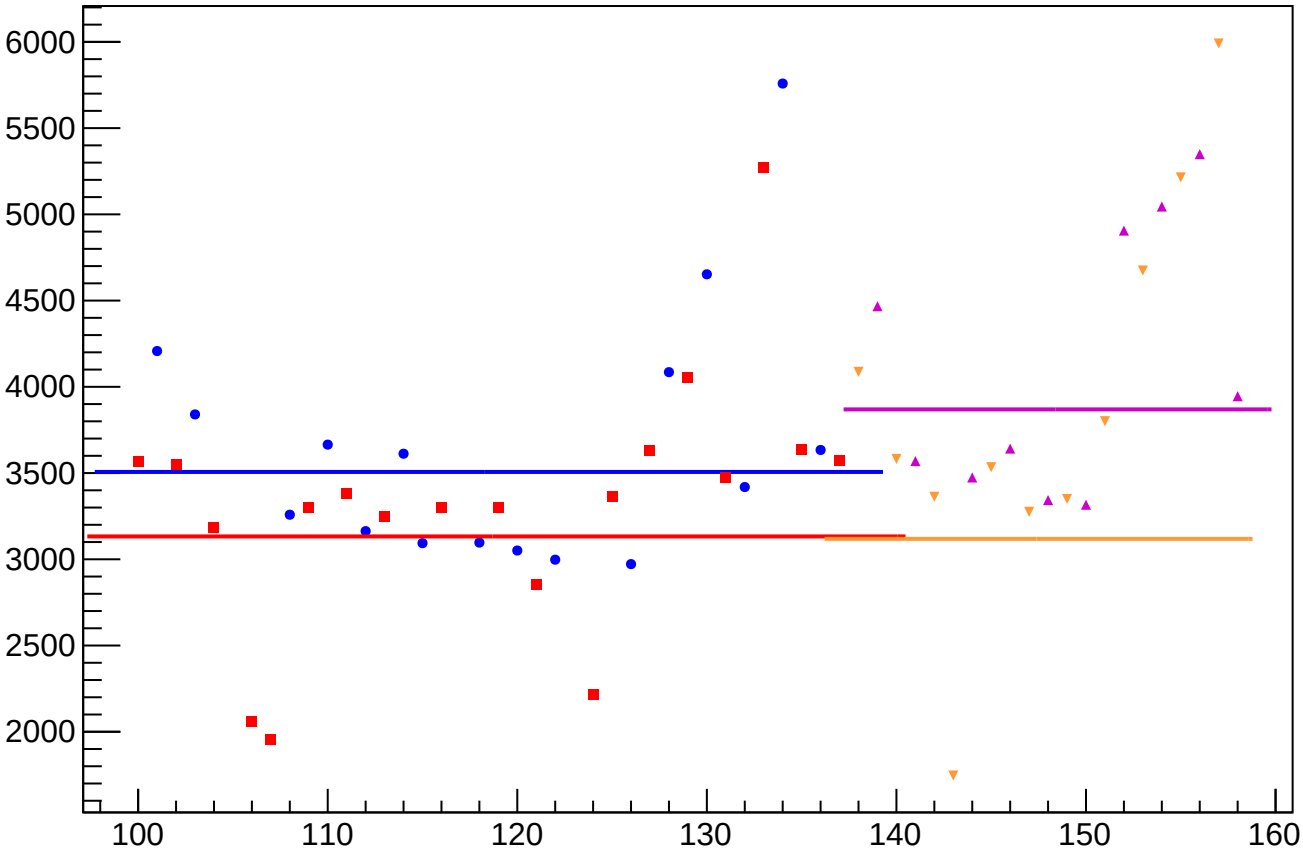
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 853.565+/-1331.280 χ^2/NDF:4.6/9

+ sign -247.188+/-861.489 χ^2/NDF: 25.8/26

All: -20.677+/-617.097 χ^2/NDF: 49.6/55

- sign 218.029+/-884.376 χ^2/NDF: 23.6/28



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3118.442+/-0.802 χ^2/NDF:2024712.1/10

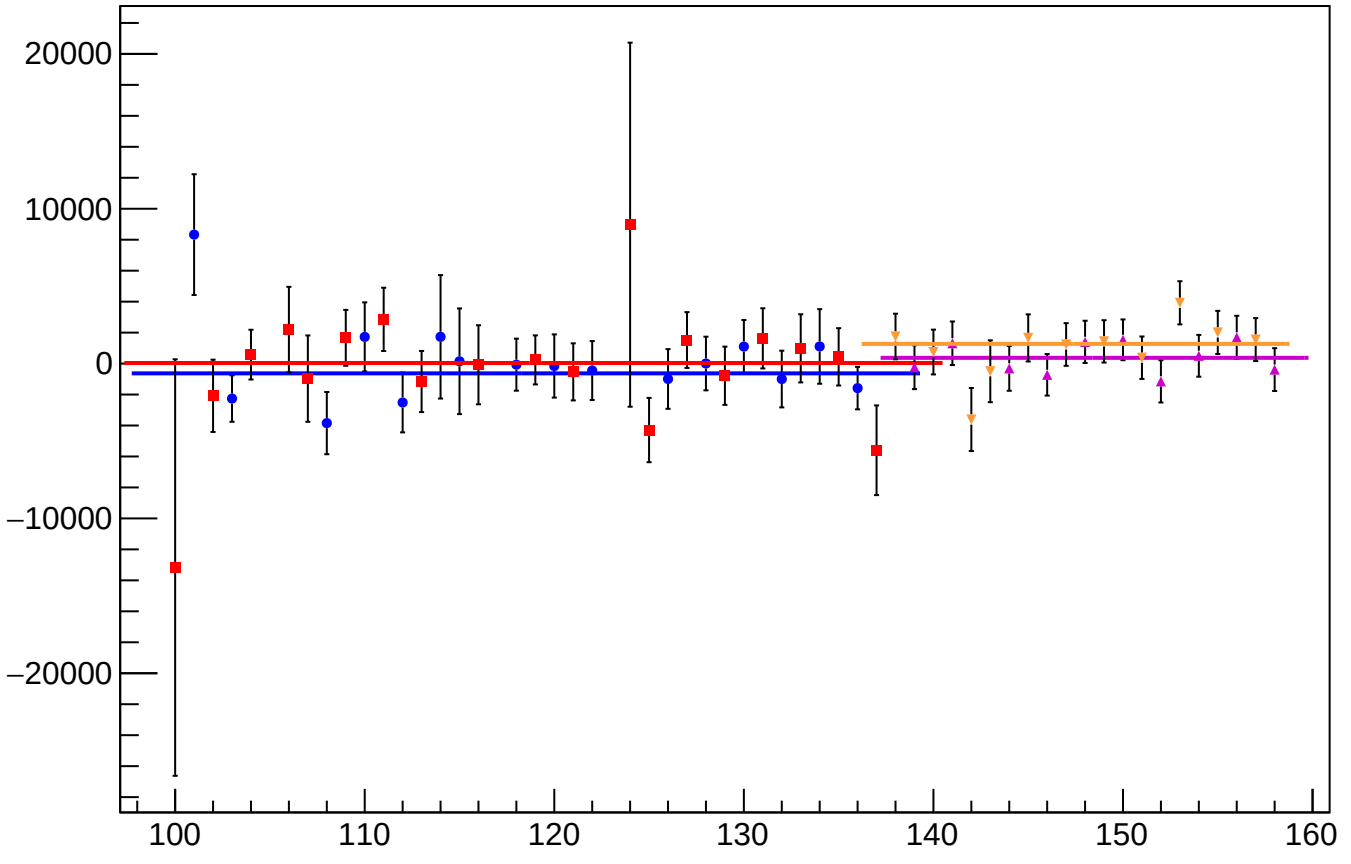
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3869.140+/-0.941 χ^2/NDF:461575.5/9

+ sign 3282.525+/-0.609 χ^2/NDF: 2476978.6/26

All: 3367.781+/-0.436 χ^2/NDF: 3970436.1/55

- sign 3457.628+/-0.625 χ^2/NDF: 1453227.3/28



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1271.563+/-446.901 χ^2/NDF:11.2/10

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

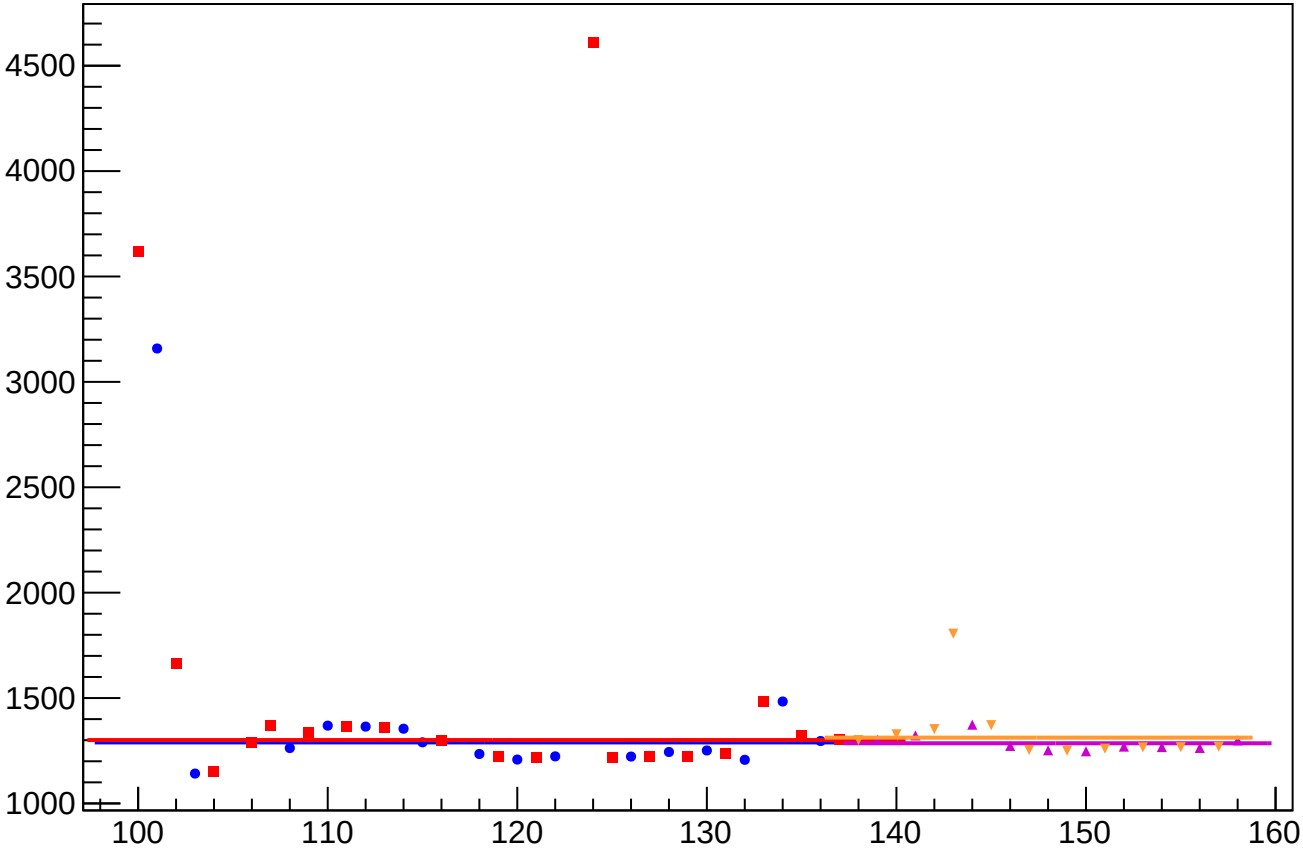
Left In: 370.993+/-435.347 χ^2/NDF:5.3/9

+ sign 404.846+/-329.784 χ^2/NDF: 33.4/26

All: 312.932+/-231.442 χ^2/NDF: 55.4/55

- sign 223.728+/-324.888 χ^2/NDF: 21.9/28

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1312.115+/-0.316 χ^2/NDF:142754.0/10

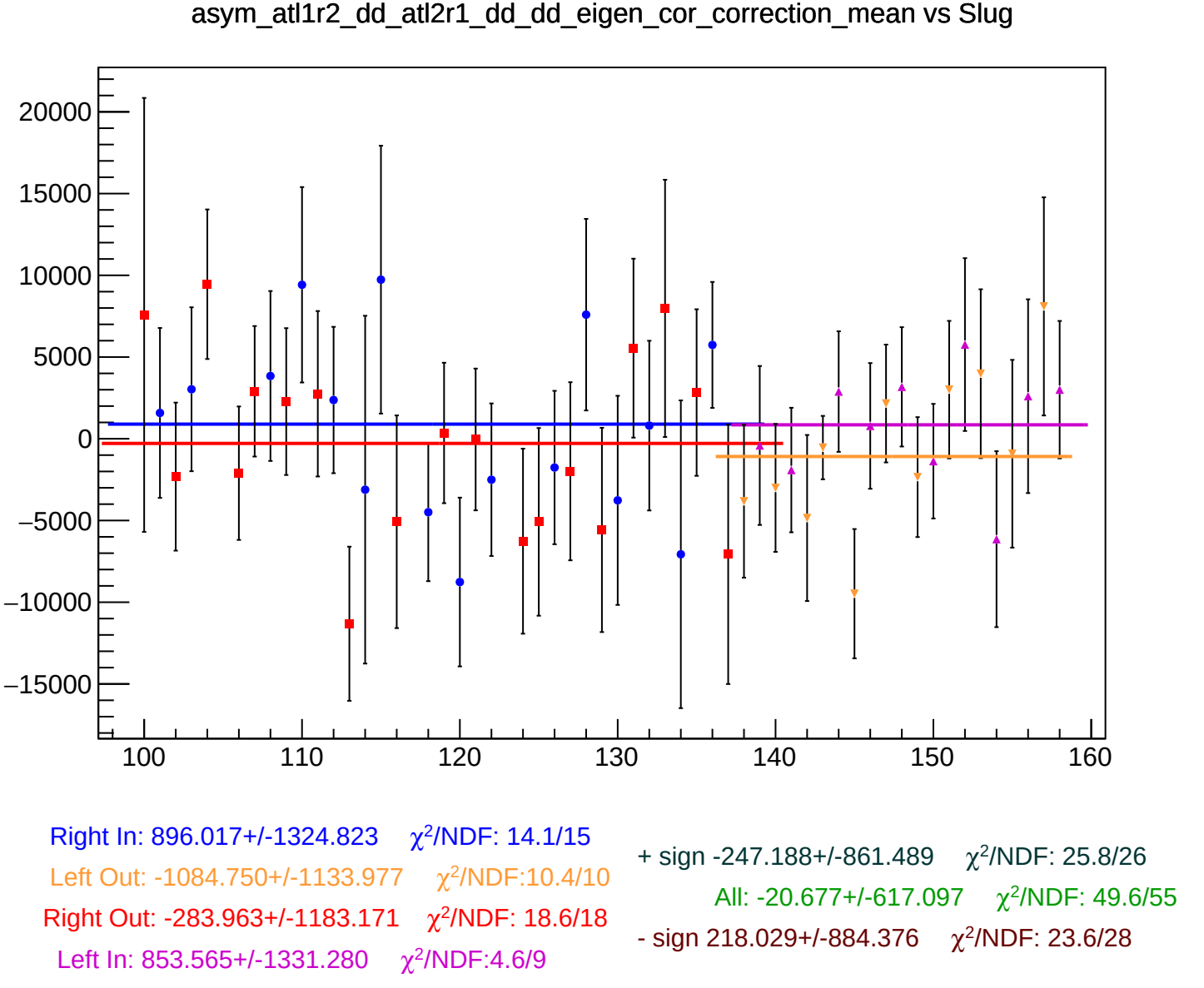
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

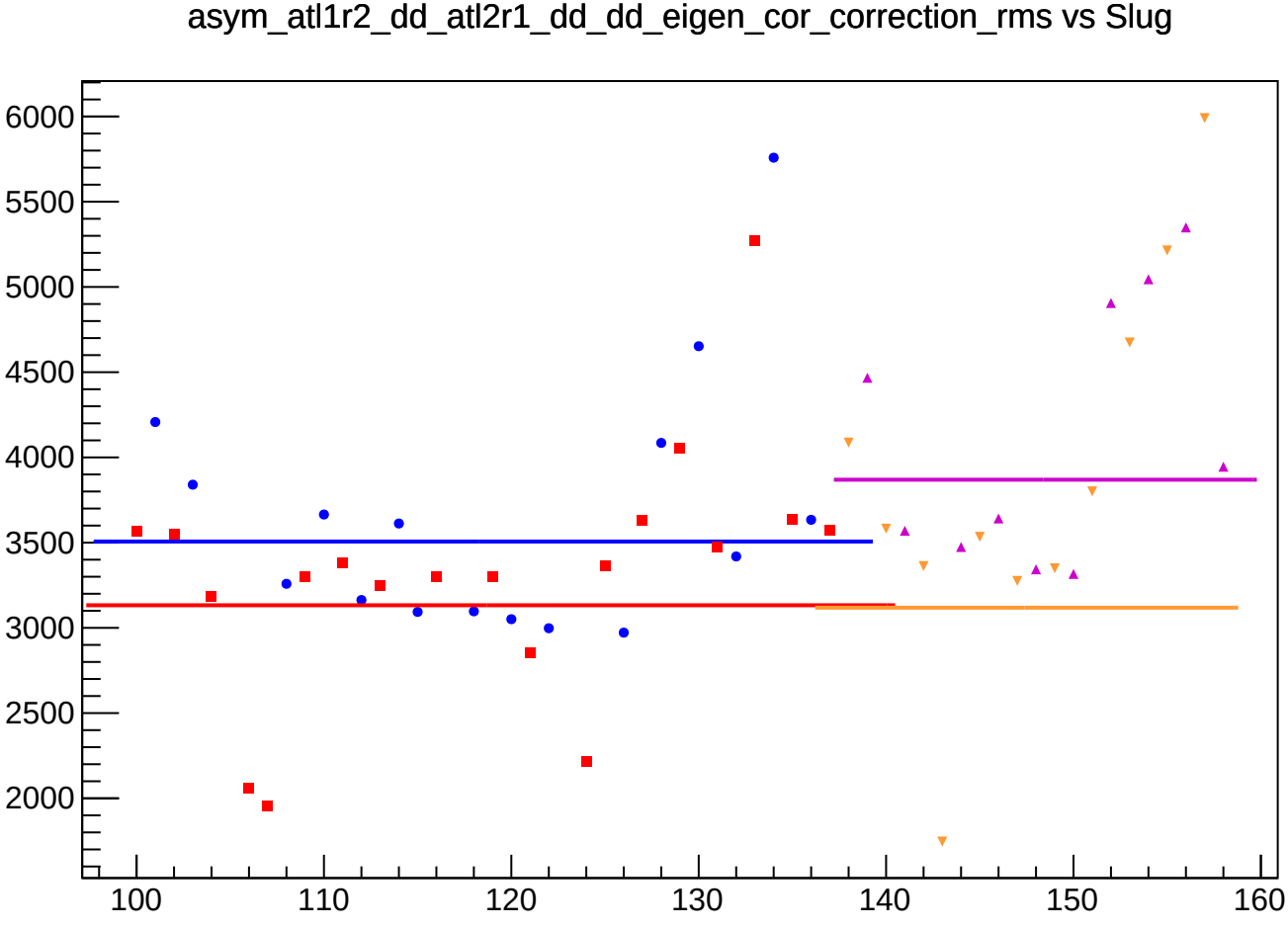
Left In: 1285.413+/-0.308 χ^2/NDF:13471.2/9

+ sign 1301.800+/-0.233 χ^2/NDF: 659770.1/26

All: 1296.921+/-0.164 χ^2/NDF: 1001103.4/55

- sign 1292.193+/-0.230 χ^2/NDF: 340471.5/28


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -1084.750+/-1133.977 χ²/NDF:10.4/10
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 853.565+/-1331.280 χ²/NDF:4.6/9
+ sign -247.188+/-861.489 χ²/NDF: 25.8/26
All: -20.677+/-617.097 χ²/NDF: 49.6/55
- sign 218.029+/-884.376 χ²/NDF: 23.6/28



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3118.442+/-0.802 χ^2/NDF:2024712.1/10

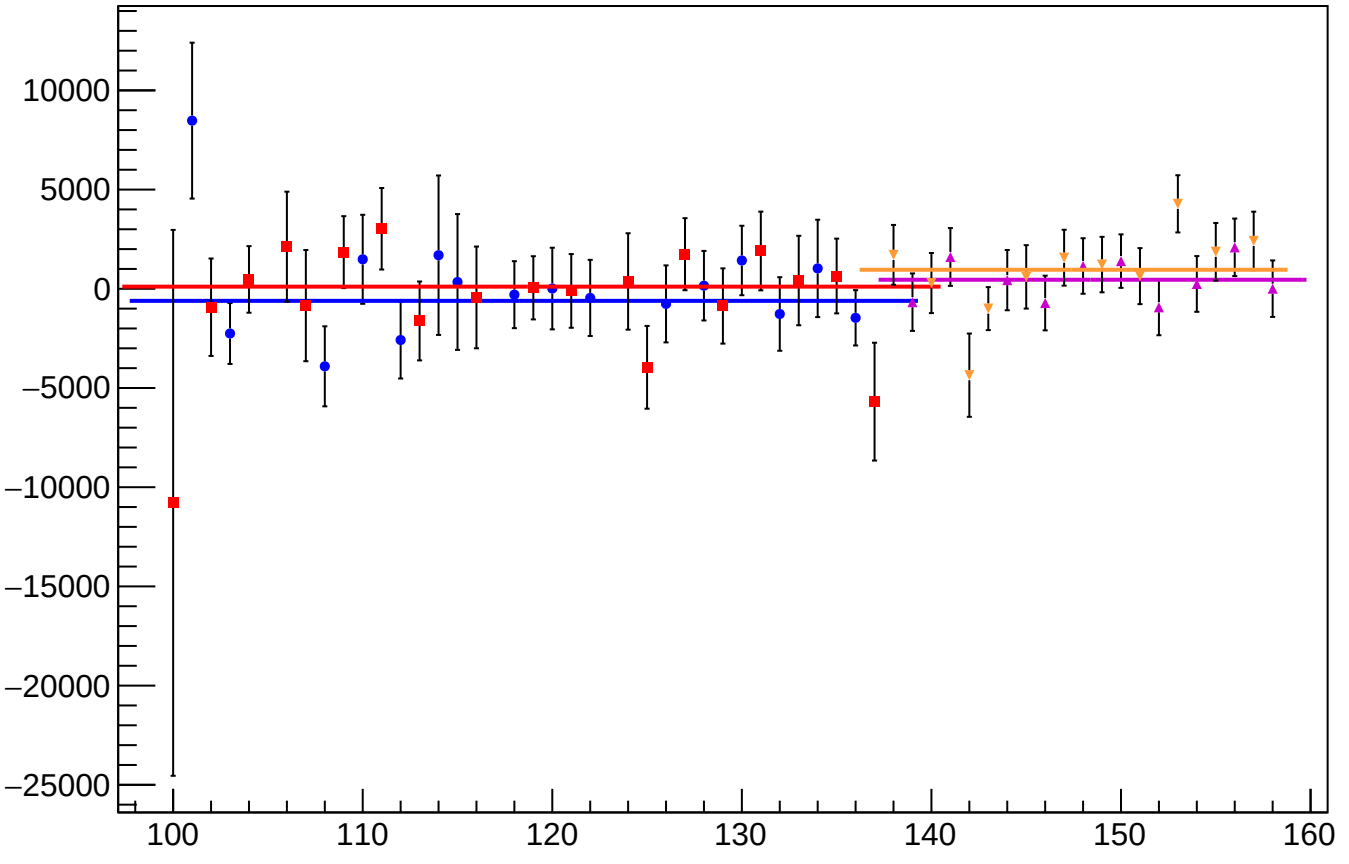
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3869.140+/-0.941 χ^2/NDF:461575.5/9

\+ sign 3282.525+/-0.609 χ^2/NDF: 2476978.6/26

All: 3367.781+/-0.436 χ^2/NDF: 3970436.1/55

\- sign 3457.628+/-0.625 χ^2/NDF: 1453227.3/28



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 959.320+/-435.286 χ^2/NDF:17.1/10

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

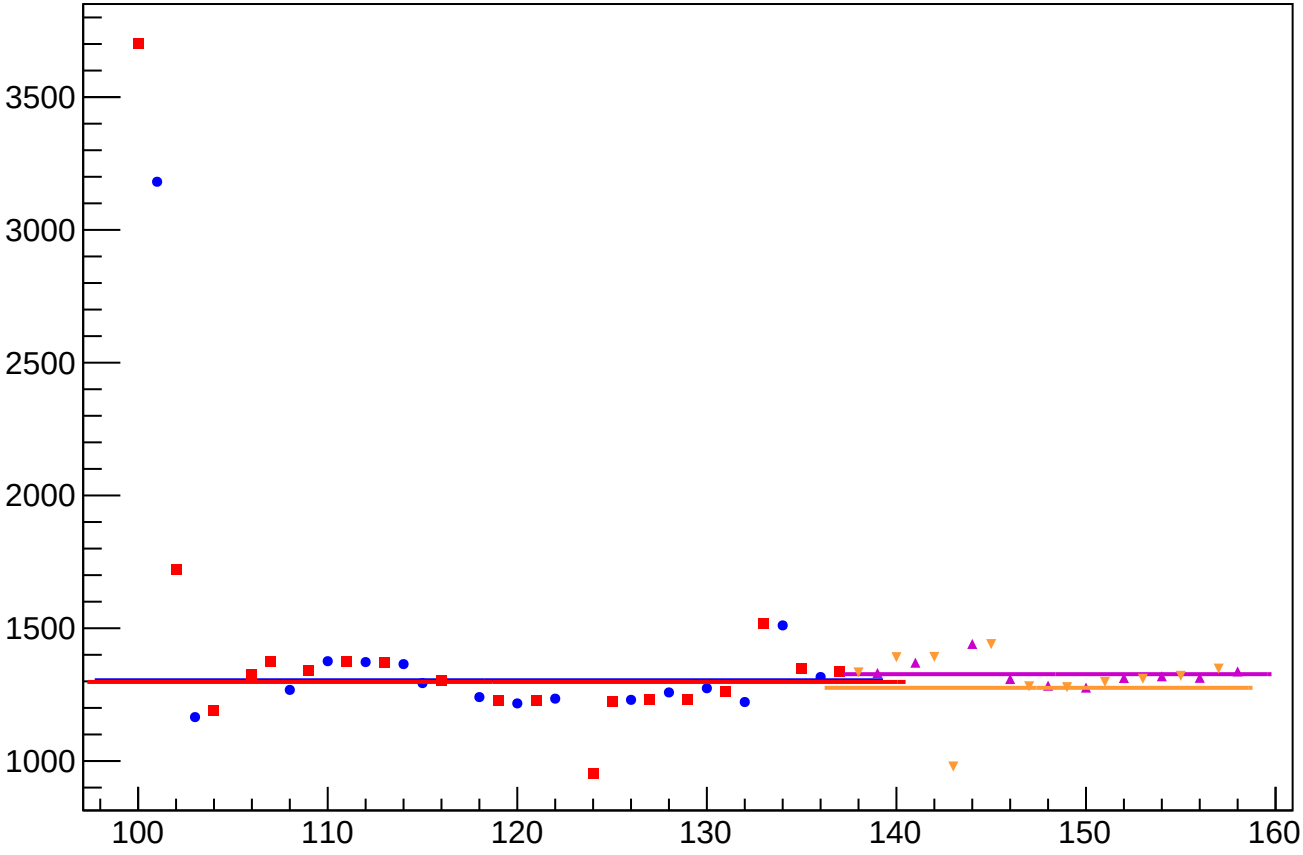
Left In: 455.385+/-449.548 χ^2/NDF:5.0/9

\+ sign 274.649+/-326.642 χ^2/NDF: 36.9/26

All: 284.889+/-232.105 χ^2/NDF: 57.1/55

\- sign 295.331+/-329.873 χ^2/NDF: 20.2/28

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1275.710+/-0.308 χ^2/NDF:199772.2/10

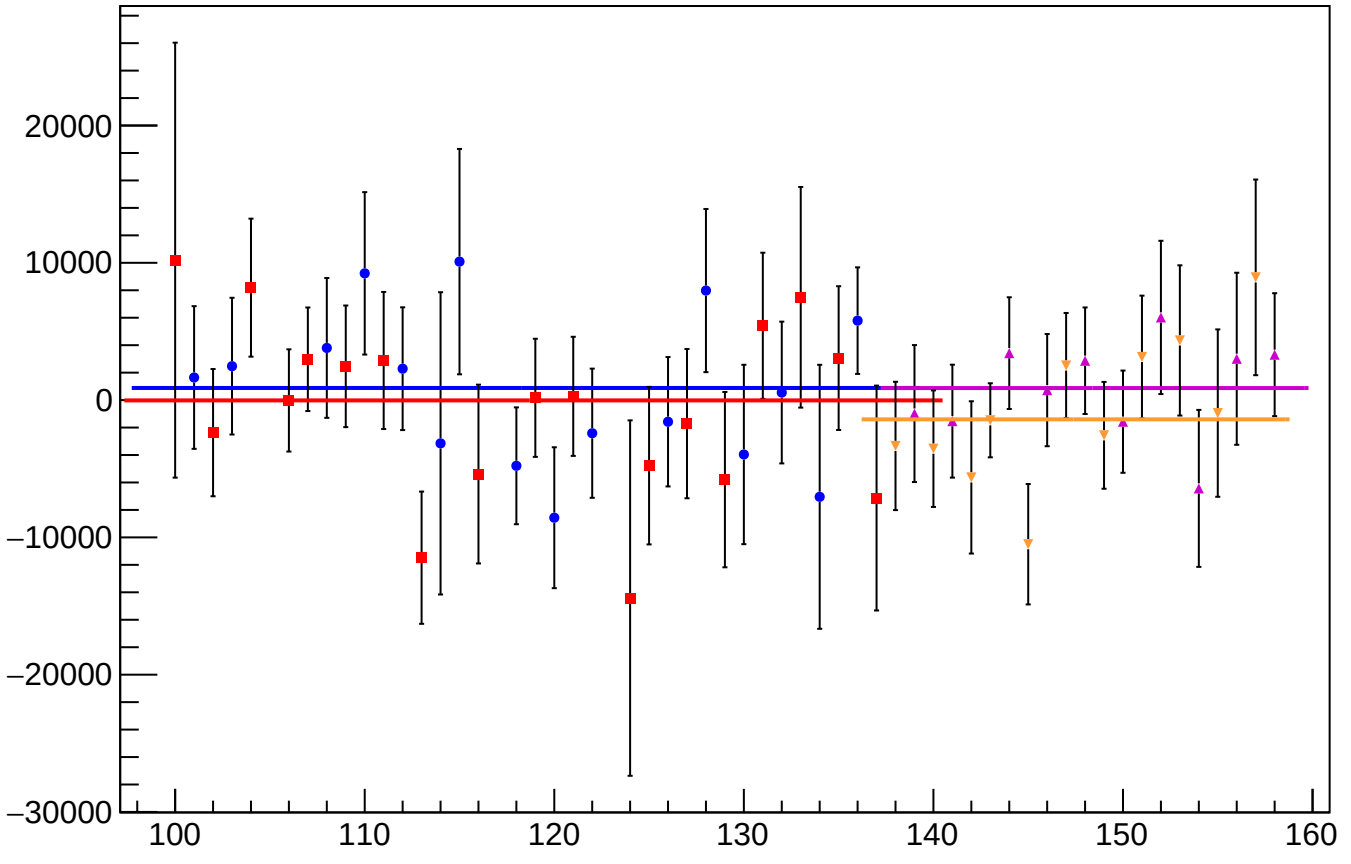
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1327.060+/-0.318 χ^2/NDF:18667.2/9

+ sign 1288.114+/-0.231 χ^2/NDF: 714079.2/26

All: 1300.708+/-0.164 χ^2/NDF: 955760.7/55

- sign 1313.542+/-0.233 χ^2/NDF: 235679.0/28



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -1402.344+/-1304.423 χ^2/NDF:10.7/10

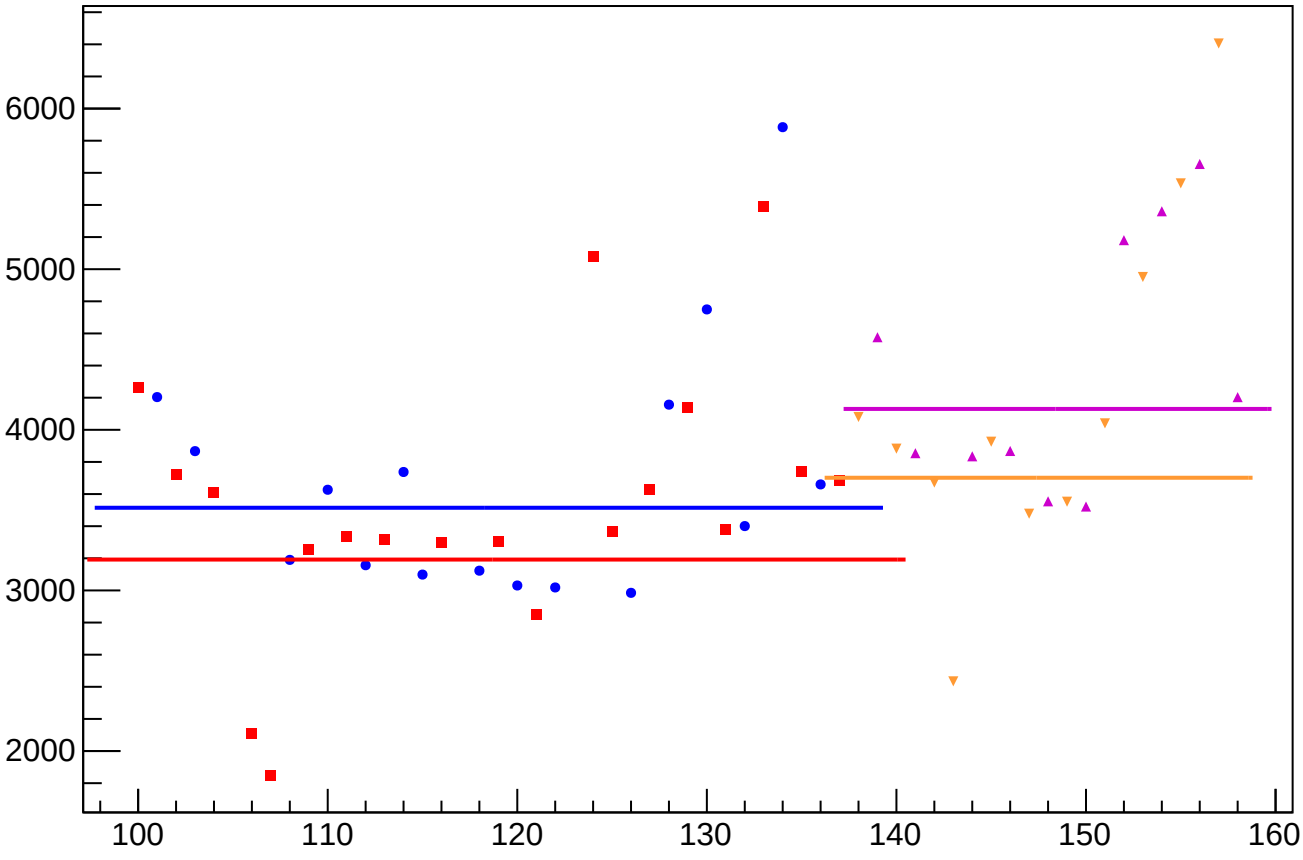
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 877.438+/-1419.681 χ^2/NDF:4.5/9

\+ sign -279.102+/-930.383 χ^2/NDF: 26.3/26

All: 42.011+/-652.907 χ^2/NDF: 48.1/55

\- sign 353.595+/-916.474 χ^2/NDF: 21.5/28



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3701.556+/-0.922 χ^2/NDF:1058092.4/10

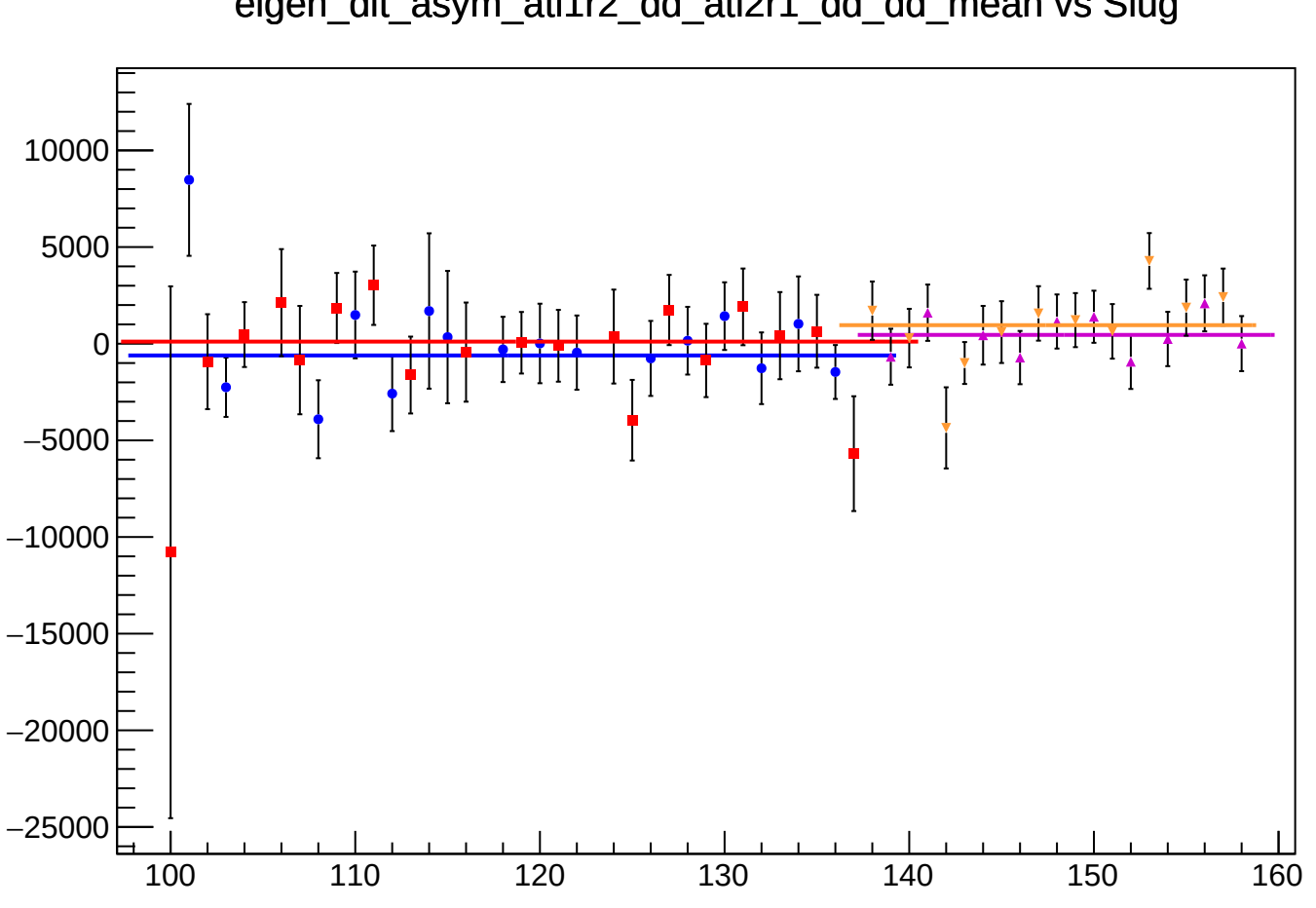
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4130.051+/-1.004 χ^2/NDF:423451.5/9

+ sign 3609.781+/-0.658 χ^2/NDF: 1453322.9/26

All: 3596.207+/-0.462 χ^2/NDF: 3159181.9/55

- sign 3583.036+/-0.648 χ^2/NDF: 1705020.2/28



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 959.321+/-435.287 χ^2/NDF:17.1/10

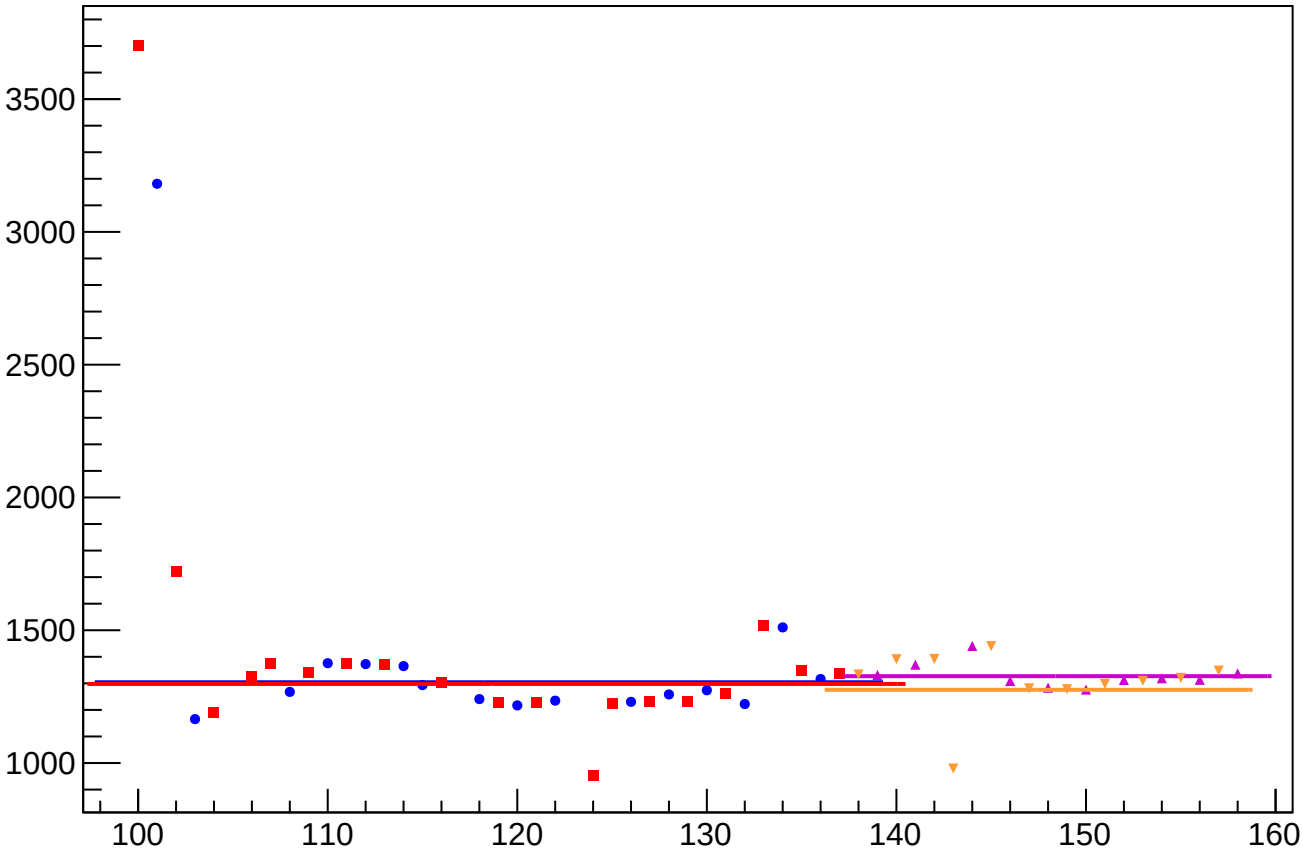
Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: 455.385+/-449.549 χ^2/NDF:5.0/9

+ sign 274.648+/-326.642 χ^2/NDF: 36.9/26

All: 284.889+/-232.105 χ^2/NDF: 57.1/55

- sign 295.334+/-329.874 χ^2/NDF: 20.2/28



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1275.711+/-0.308 χ^2/NDF:199772.7/10

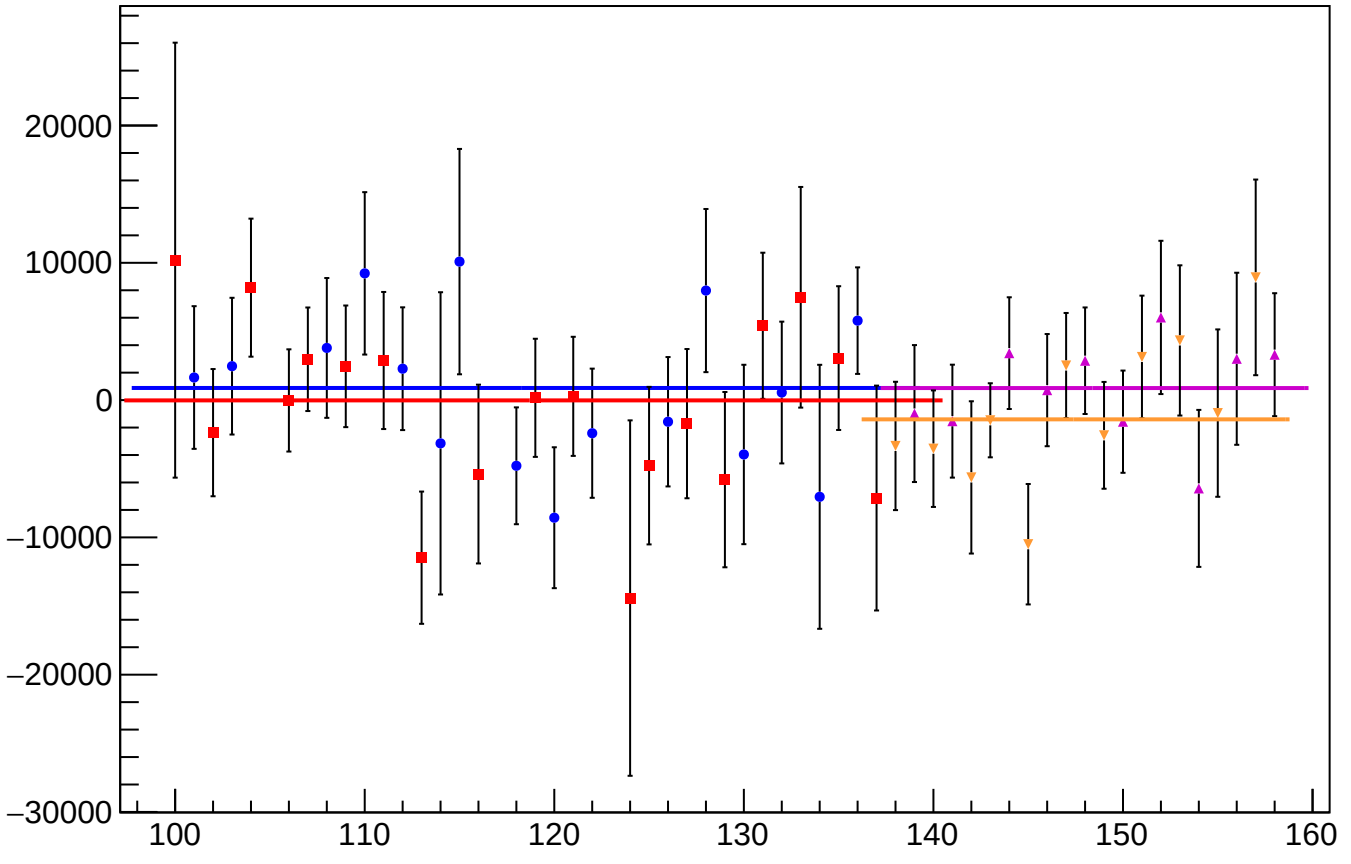
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1327.061+/-0.318 χ^2/NDF:18667.3/9

+ sign 1288.115+/-0.231 χ^2/NDF: 714079.5/26

All: 1300.708+/-0.164 χ^2/NDF: 955761.5/55

- sign 1313.543+/-0.233 χ^2/NDF: 235679.4/28



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -1402.341+/-1304.425 χ^2/NDF:10.7/10

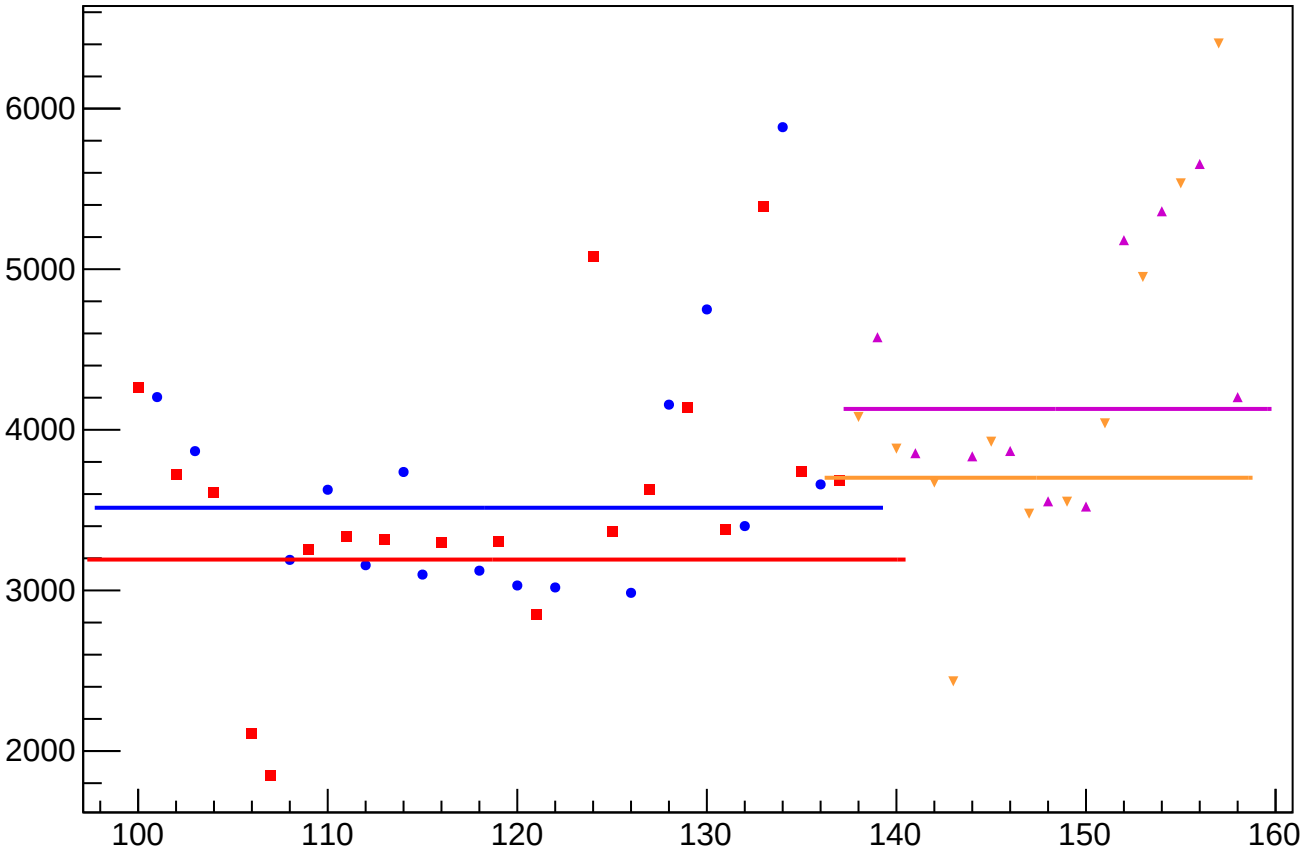
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 877.438+/-1419.683 χ^2/NDF:4.5/9

+ sign -279.102+/-930.383 χ^2/NDF: 26.3/26

All: 42.012+/-652.907 χ^2/NDF: 48.1/55

- sign 353.596+/-916.473 χ^2/NDF: 21.5/28



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3701.561+/-0.922 χ^2/NDF:1058092.4/10

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

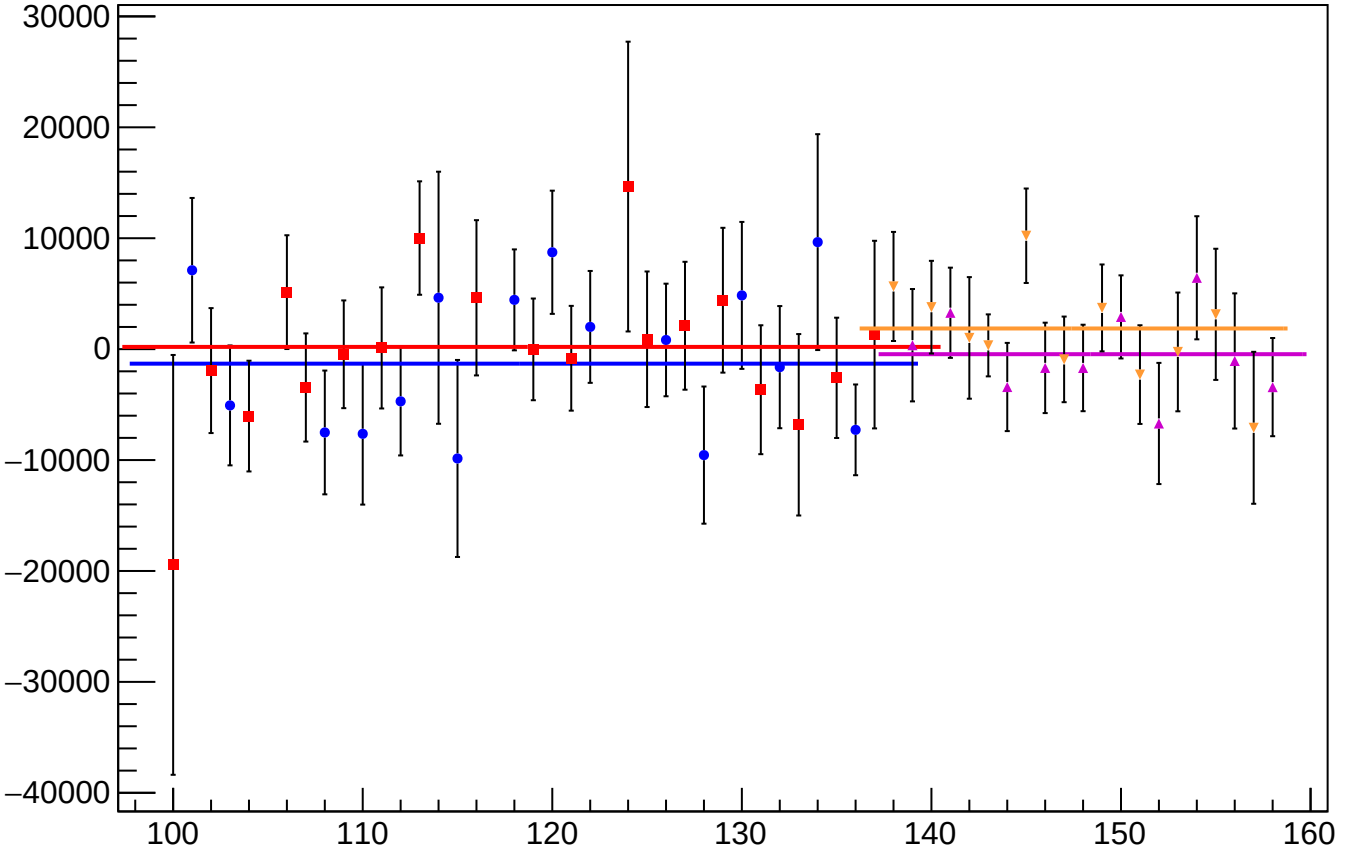
Left In: 4130.057+/-1.004 χ^2/NDF:423452.1/9

+ sign 3609.779+/-0.658 χ^2/NDF: 1453330.1/26

All: 3596.204+/-0.462 χ^2/NDF: 3159206.6/55

- sign 3583.032+/-0.648 χ^2/NDF: 1705037.6/28

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 1863.162+/-1310.041 χ^2/NDF:8.5/10

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

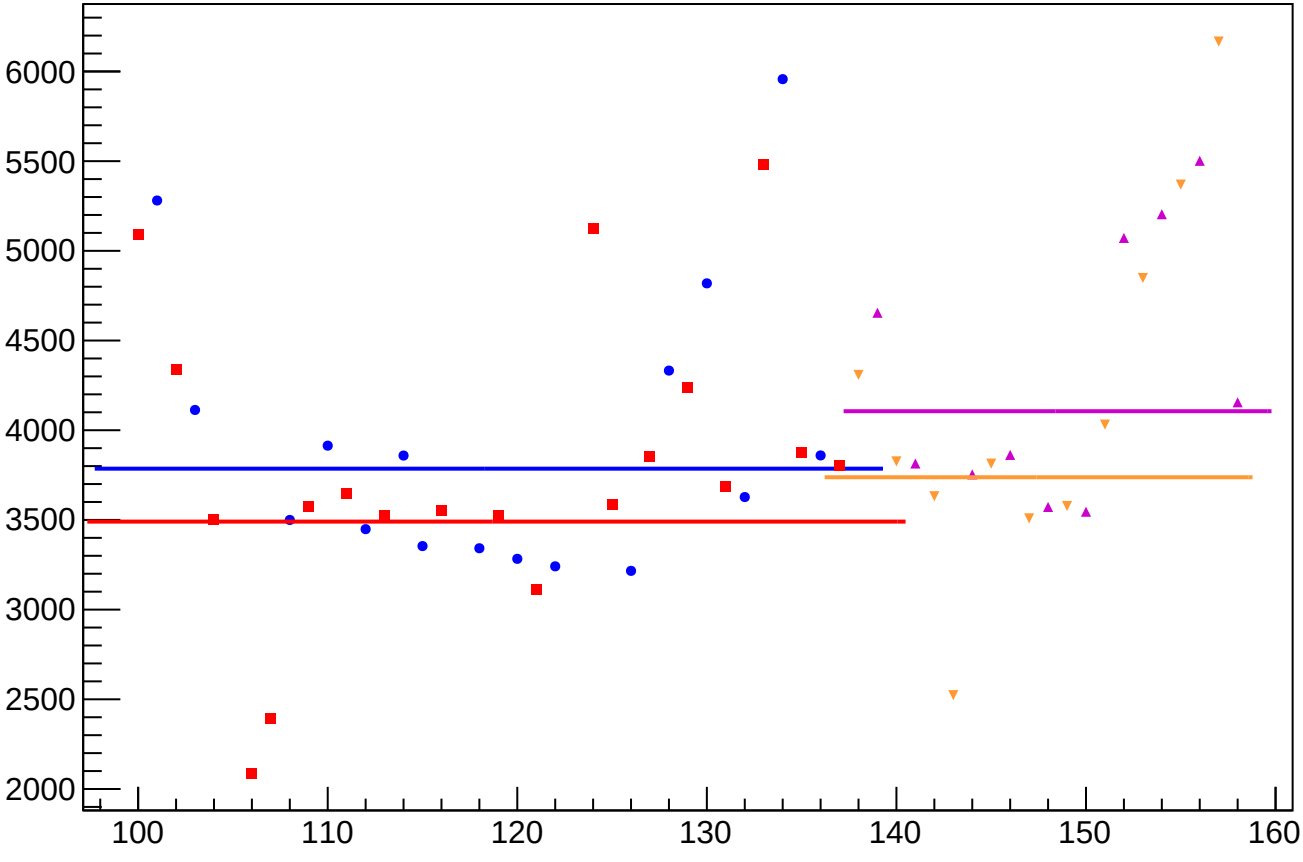
Left In: -454.679+/-1408.822 χ^2/NDF:5.7/9

+ sign 417.320+/-966.469 χ^2/NDF: 28.8/26

All: 154.889+/-684.445 χ^2/NDF: 46.4/55

- sign -109.159+/-969.441 χ^2/NDF: 17.5/28

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3737.868+/-0.926 χ^2/NDF:915896.8/10

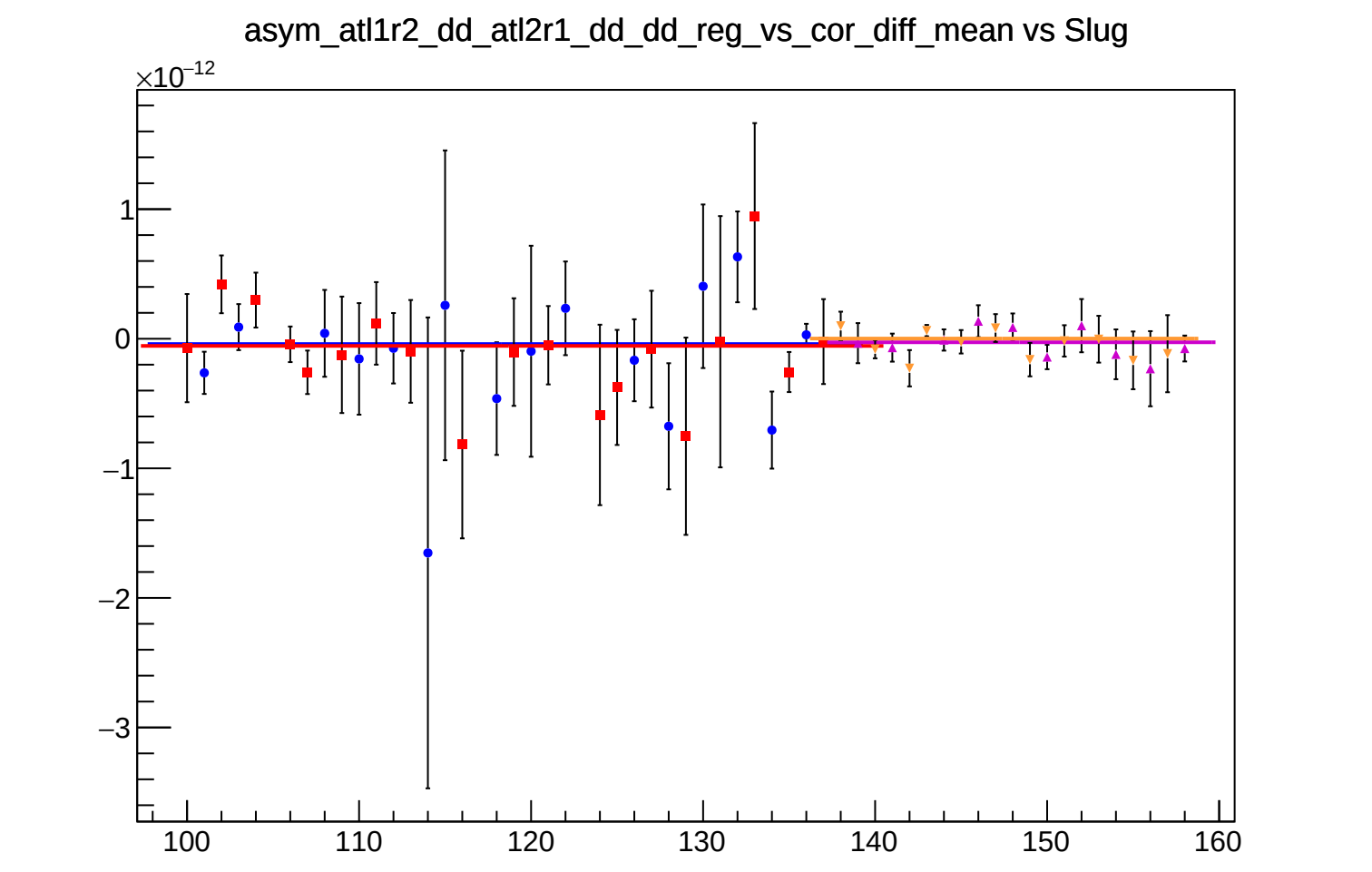
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4105.999+/-0.996 χ^2/NDF:384869.6/9

+ sign 3759.701+/-0.683 χ^2/NDF: 1300108.5/26

All: 3768.787+/-0.482 χ^2/NDF: 2475564.7/55

- sign 3777.797+/-0.681 χ^2/NDF: 1175104.2/28



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.7/10

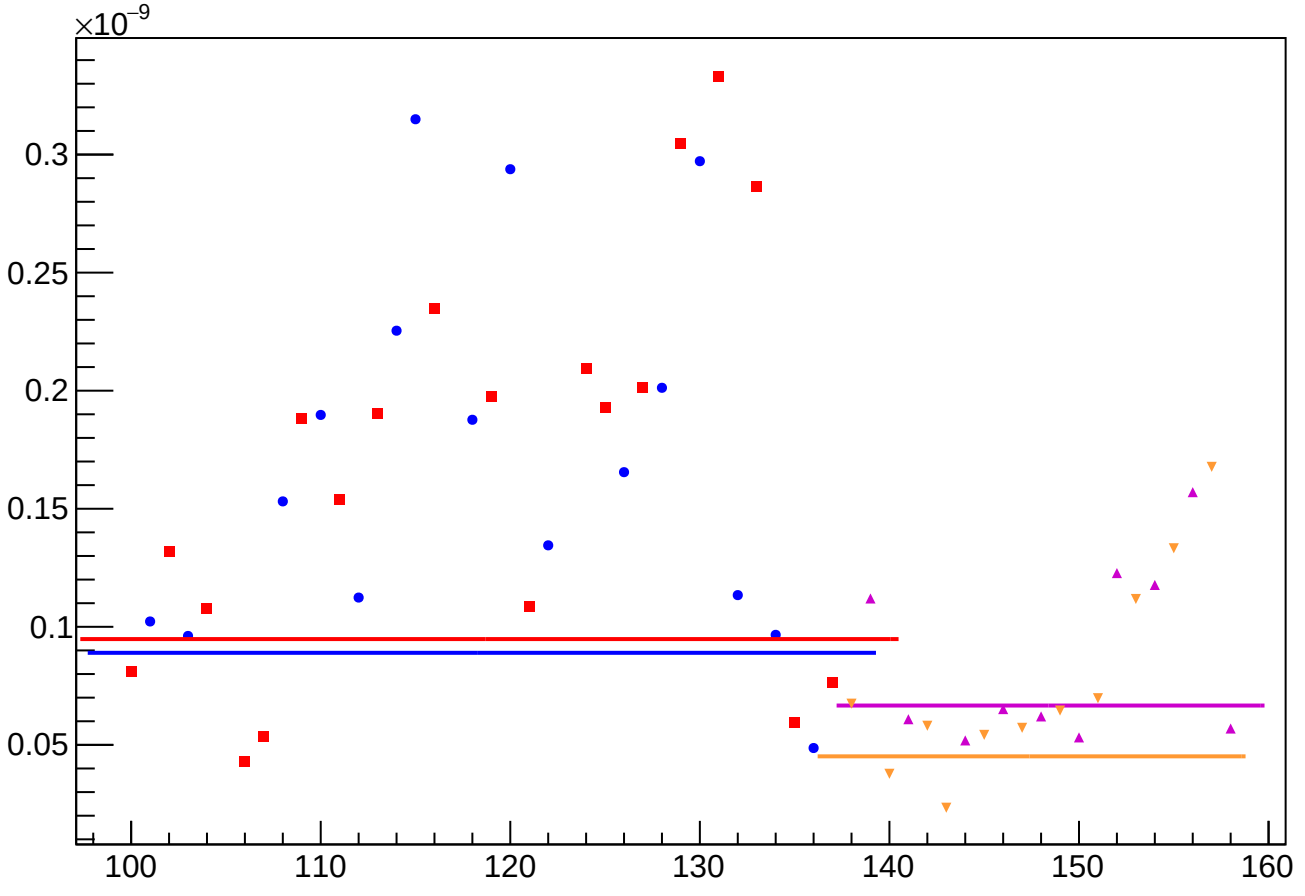
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:5.9/9

+ sign -0.000+/-0.000 χ^2/NDF: 26.8/26

All: -0.000+/-0.000 χ^2/NDF: 49.2/55

- sign -0.000+/-0.000 χ^2/NDF: 21.9/28



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1710752.5/10

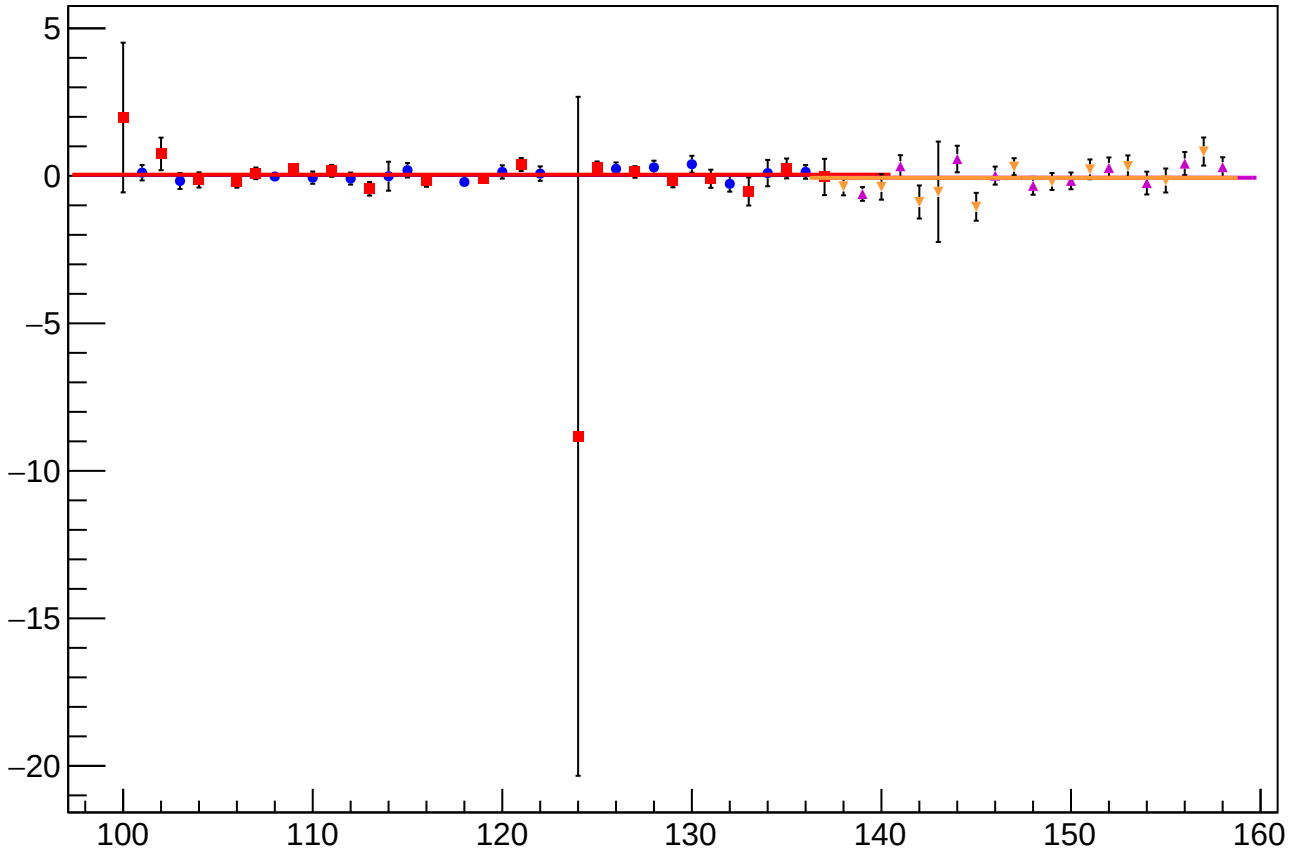
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:790929.3/9

+ sign 0.000+/-0.000 χ^2/NDF: 4069870.6/26

All: 0.000+/-0.000 χ^2/NDF: 7380104.0/55

- sign 0.000+/-0.000 χ^2/NDF: 2812992.9/28



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.067+/-0.115 χ^2/NDF:15.4/10

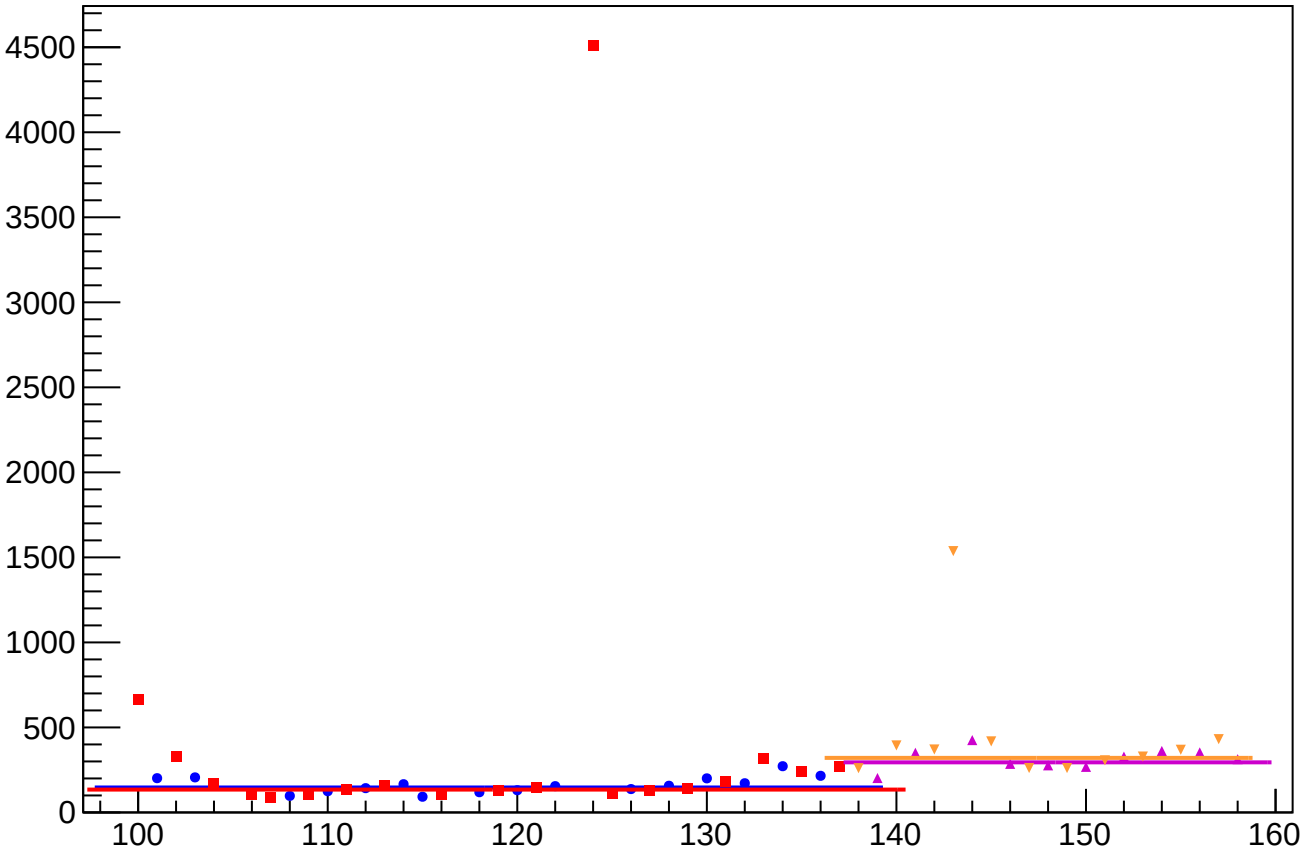
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.064+/-0.103 χ^2/NDF:13.4/9

+ sign 0.009+/-0.052 χ^2/NDF: 25.3/26

All: 0.013+/-0.035 χ^2/NDF: 59.6/55

- sign 0.016+/-0.048 χ^2/NDF: 34.2/28



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 320.937+/-0.081 χ^2/NDF:1571537.4/10

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

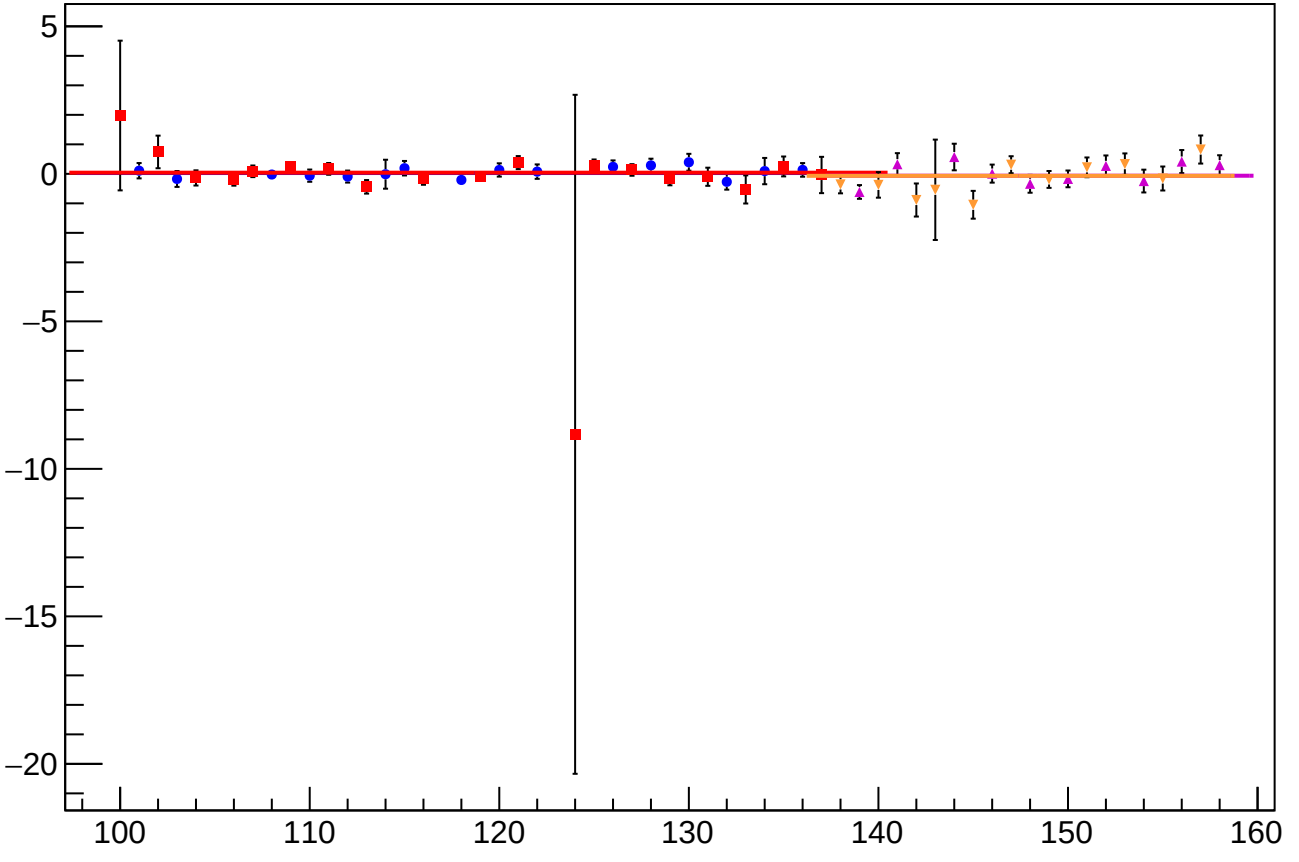
Left In: 294.671+/-0.073 χ^2/NDF:683079.9/9

+ sign 181.813+/-0.036 χ^2/NDF: 6229013.9/26

All: 175.489+/-0.025 χ^2/NDF: 12356979.2/55

- sign 169.933+/-0.034 χ^2/NDF: 6071476.9/28

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.067+/-0.115 χ^2/NDF:15.4/10

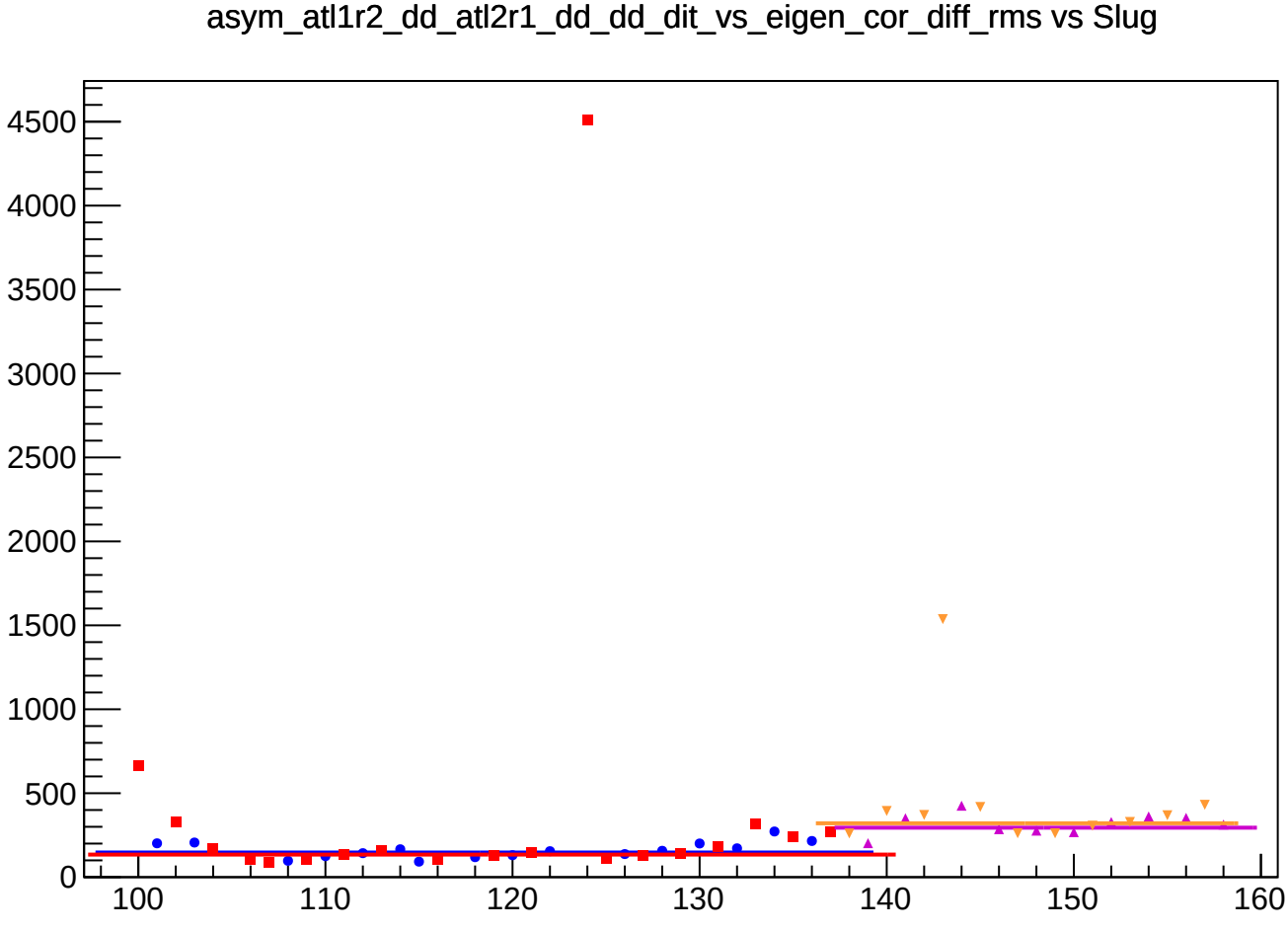
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.064+/-0.103 χ^2/NDF:13.4/9

+ sign 0.009+/-0.052 χ^2/NDF: 25.3/26

All: 0.013+/-0.035 χ^2/NDF: 59.6/55

- sign 0.016+/-0.048 χ^2/NDF: 34.2/28



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 320.937+/-0.081 χ^2/NDF:1571537.4/10

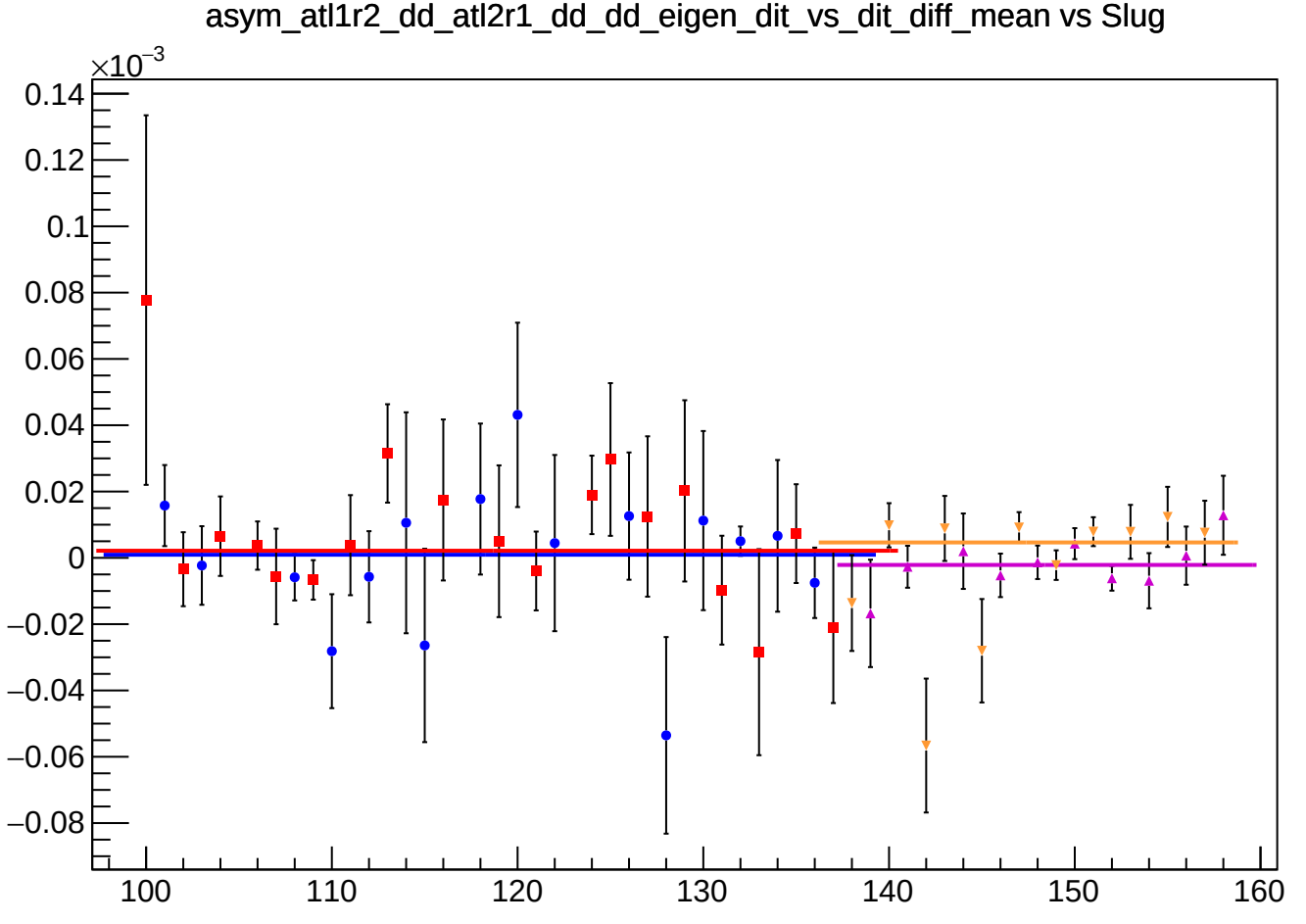
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 294.671+/-0.073 χ^2/NDF:683079.9/9

+ sign 181.813+/-0.036 χ^2/NDF: 6229013.9/26

All: 175.489+/-0.025 χ^2/NDF: 12356979.2/55

- sign 169.933+/-0.034 χ^2/NDF: 6071476.9/28



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.8/10

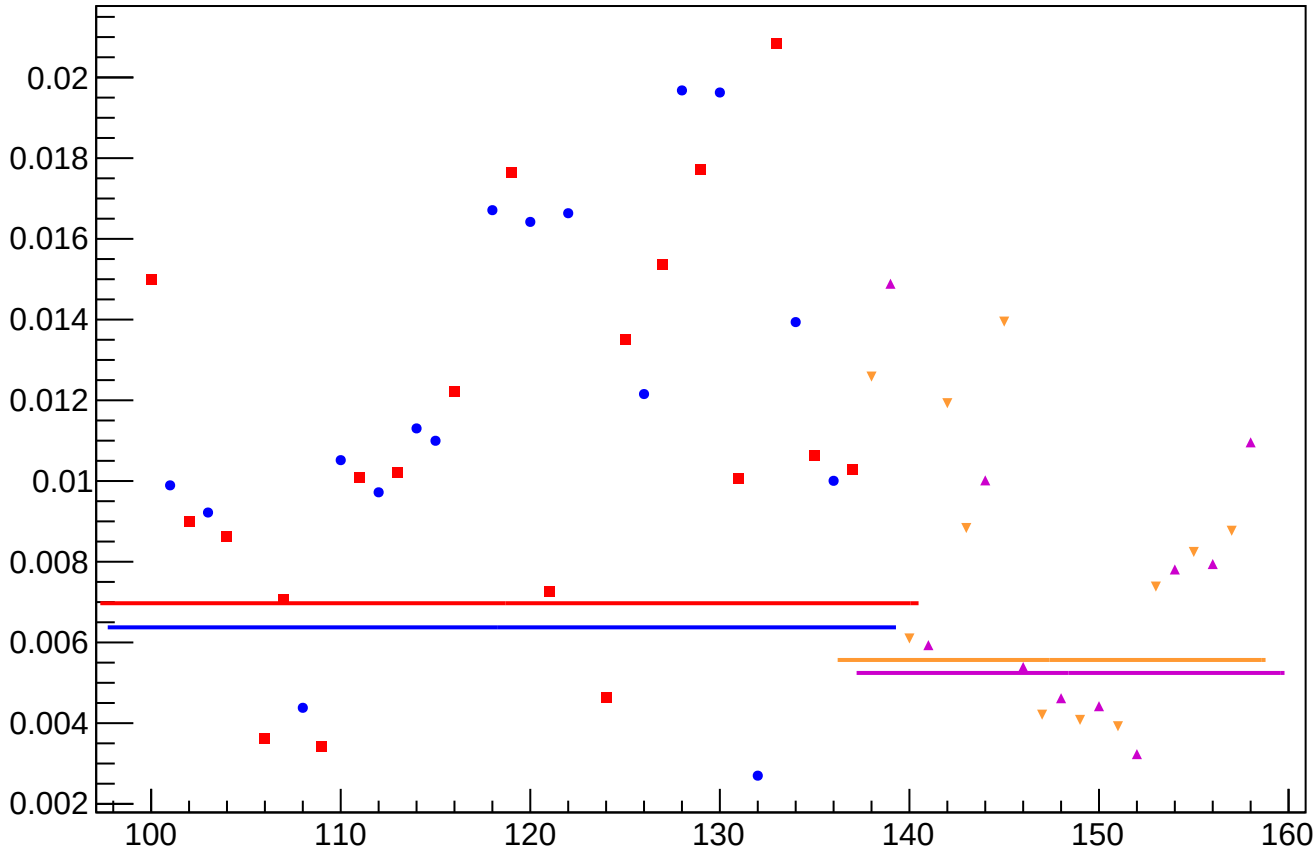
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:6.3/9

+ sign 0.000+/-0.000 χ^2/NDF: 36.7/26

All: 0.000+/-0.000 χ^2/NDF: 63.6/55

- sign -0.000+/-0.000 χ^2/NDF: 23.7/28



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:2653767.7/10

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

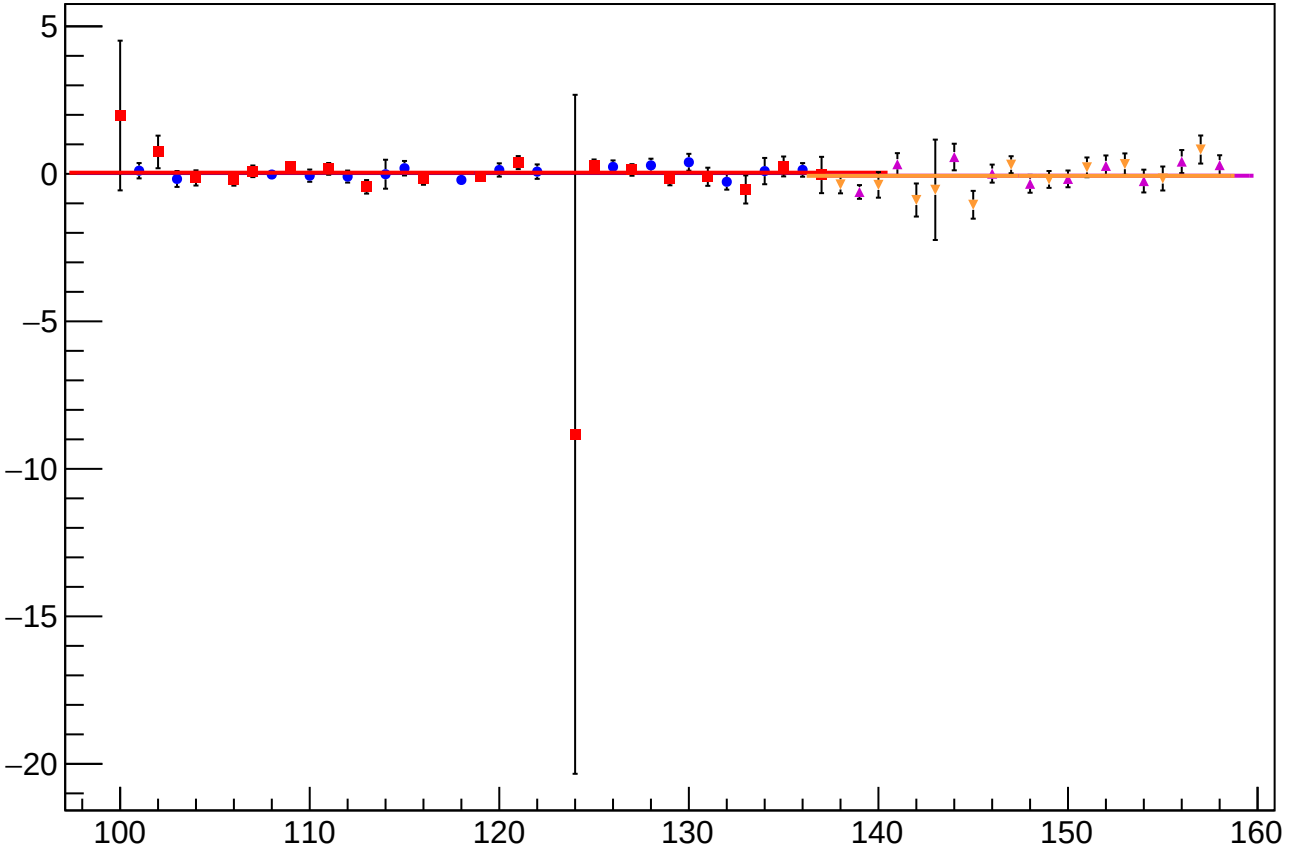
Left In: 0.005+/-0.000 χ^2/NDF:2597872.0/9

+ sign 0.006+/-0.000 χ^2/NDF: 7394924.7/26

All: 0.006+/-0.000 χ^2/NDF: 13860907.8/55

- sign 0.006+/-0.000 χ^2/NDF: 6464444.3/28

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.067+/-0.115 χ^2/NDF:15.4/10

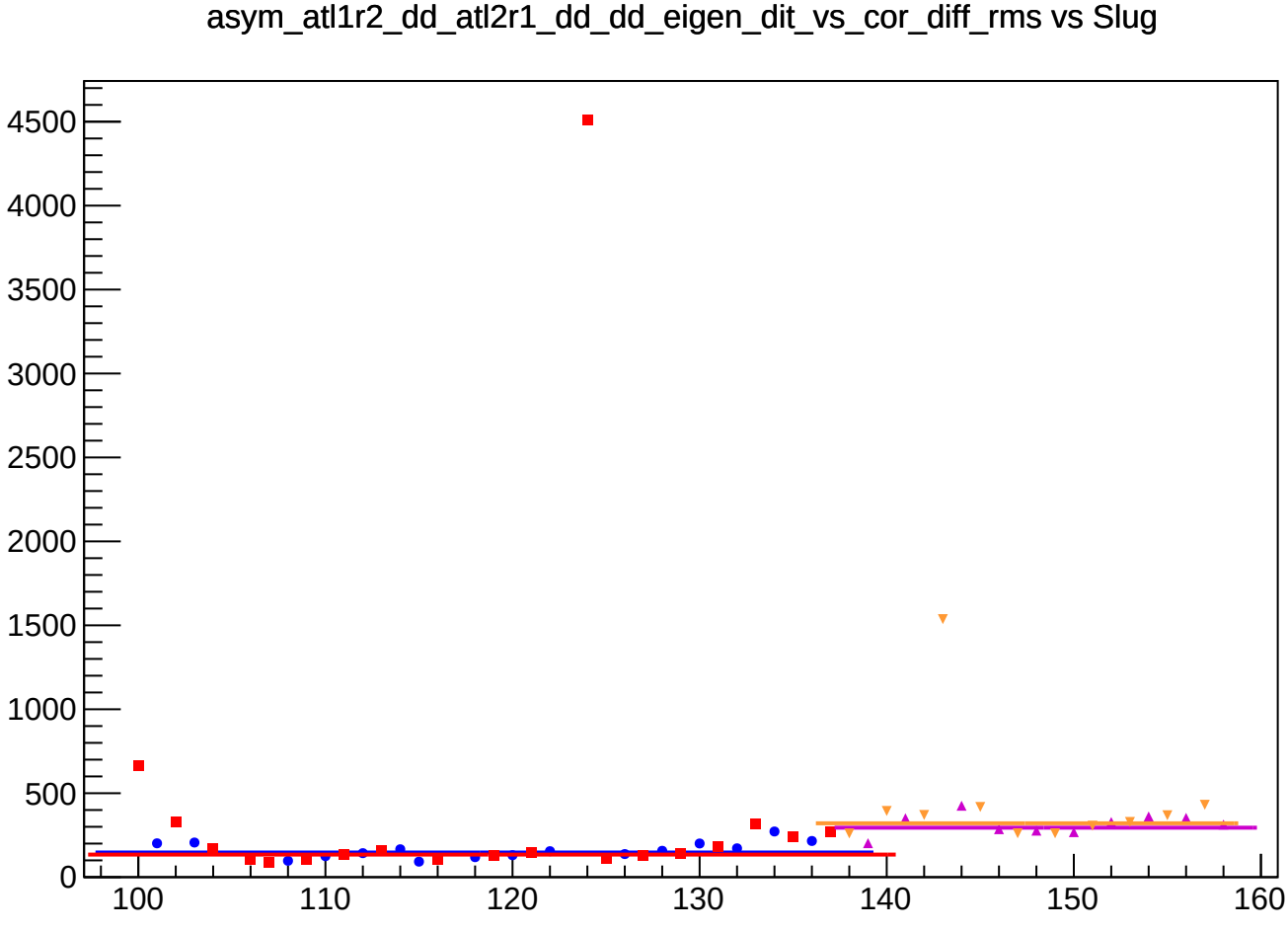
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.064+/-0.103 χ^2/NDF:13.4/9

+ sign 0.009+/-0.052 χ^2/NDF: 25.3/26

All: 0.013+/-0.035 χ^2/NDF: 59.6/55

- sign 0.016+/-0.048 χ^2/NDF: 34.2/28



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 320.940+/-0.081 χ^2/NDF:1571541.1/10

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

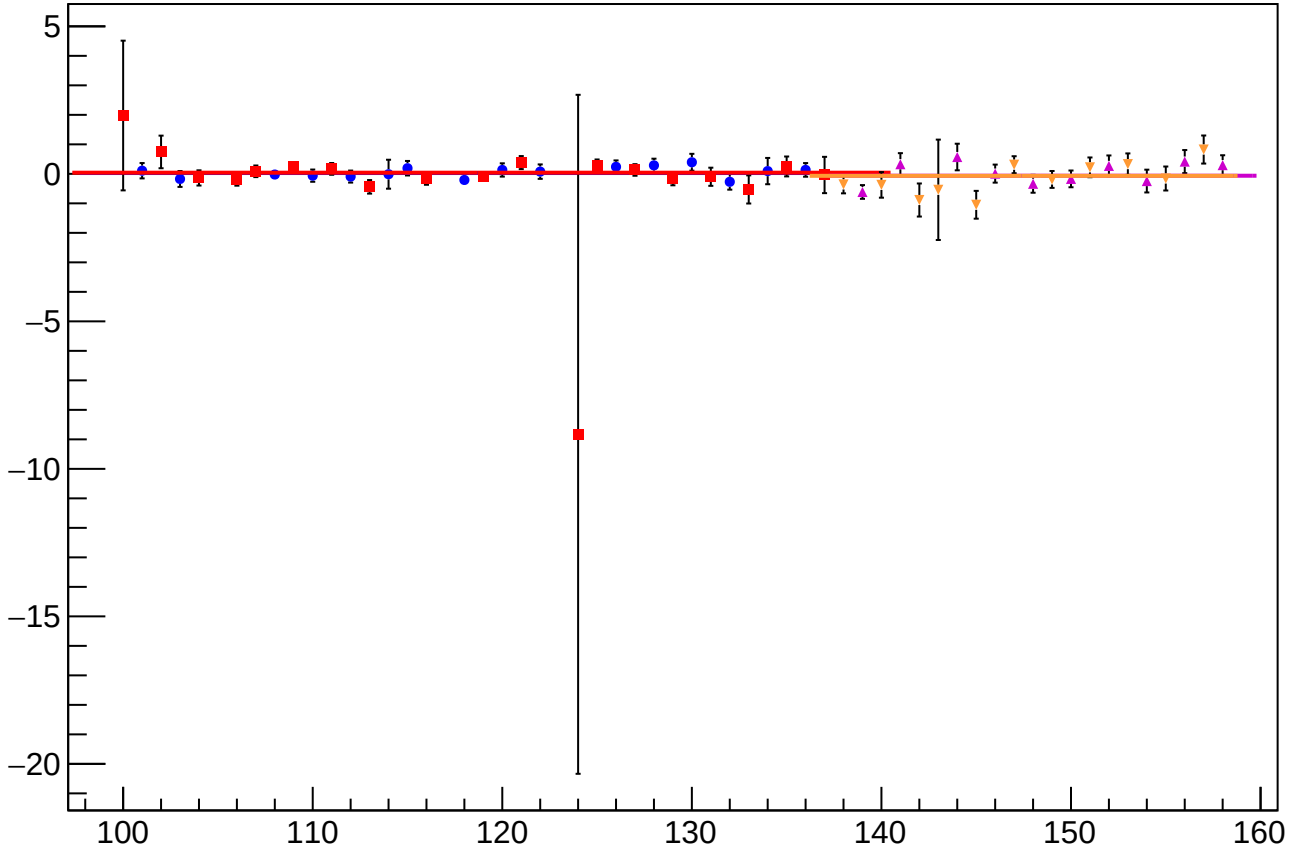
Left In: 294.676+/-0.073 χ^2/NDF:683060.5/9

+ sign 181.813+/-0.036 χ^2/NDF: 6229048.6/26

All: 175.489+/-0.025 χ^2/NDF: 12356950.2/55

- sign 169.934+/-0.034 χ^2/NDF: 6071428.7/28

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.067+/-0.115 χ^2/NDF:15.4/10

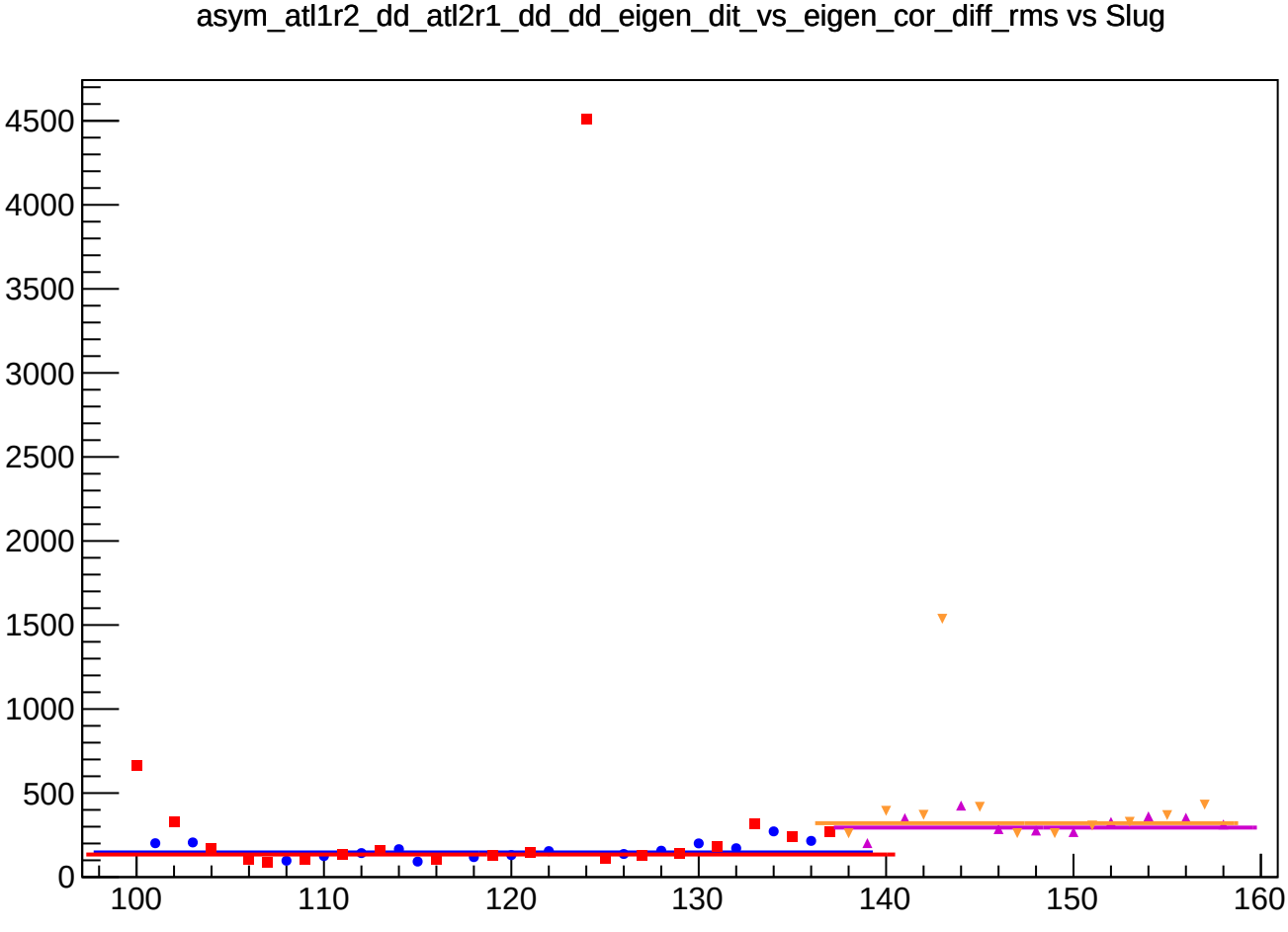
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.064+/-0.103 χ^2/NDF:13.4/9

+ sign 0.009+/-0.052 χ^2/NDF: 25.3/26

All: 0.013+/-0.035 χ^2/NDF: 59.6/55

- sign 0.016+/-0.048 χ^2/NDF: 34.2/28



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 320.940+/-0.081 χ^2/NDF:1571541.1/10

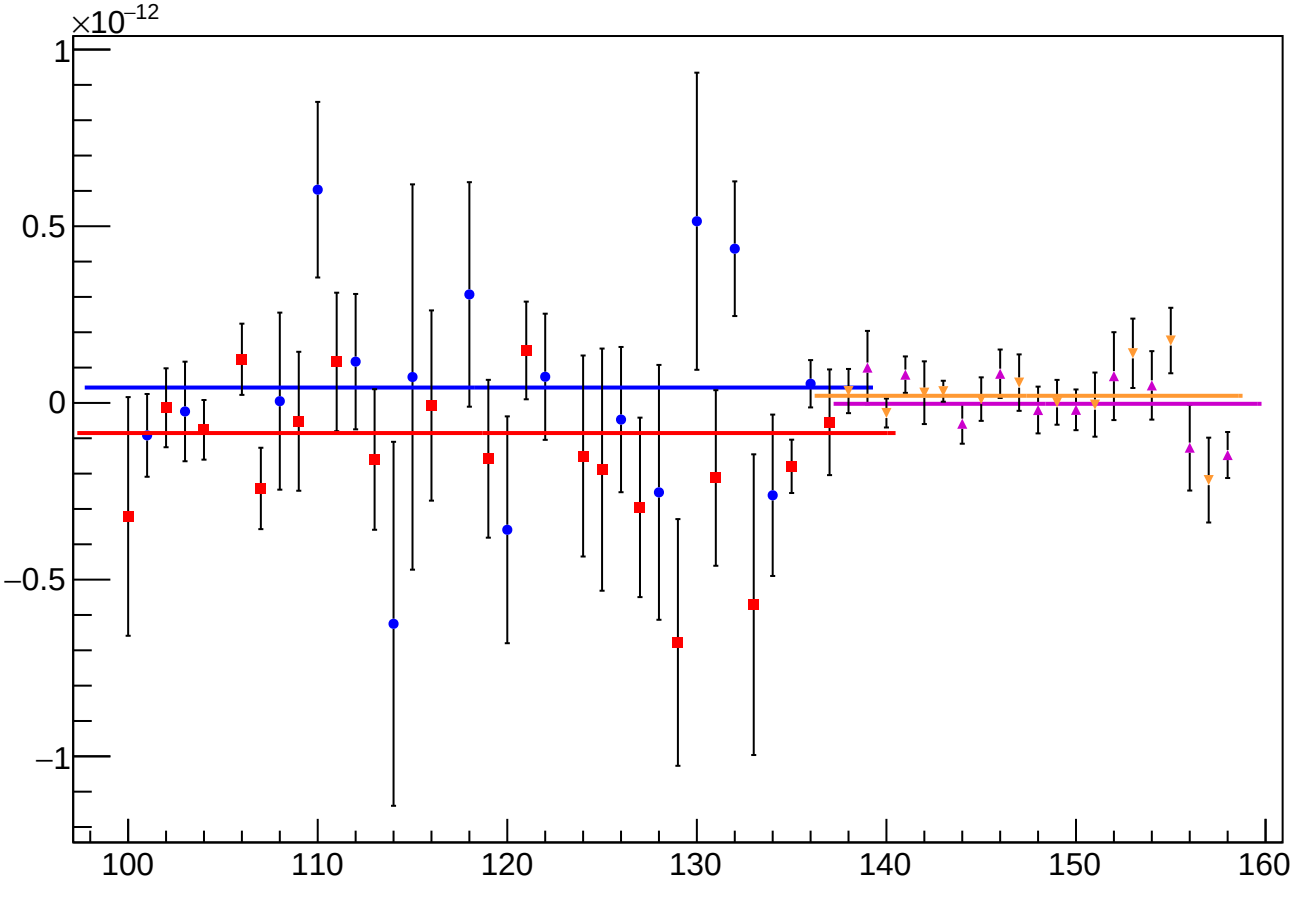
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 294.676+/-0.073 χ^2/NDF:683060.5/9

+ sign 181.813+/-0.036 χ^2/NDF: 6229048.6/26

All: 175.489+/-0.025 χ^2/NDF: 12356950.2/55

- sign 169.934+/-0.034 χ^2/NDF: 6071428.7/28



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.4/10

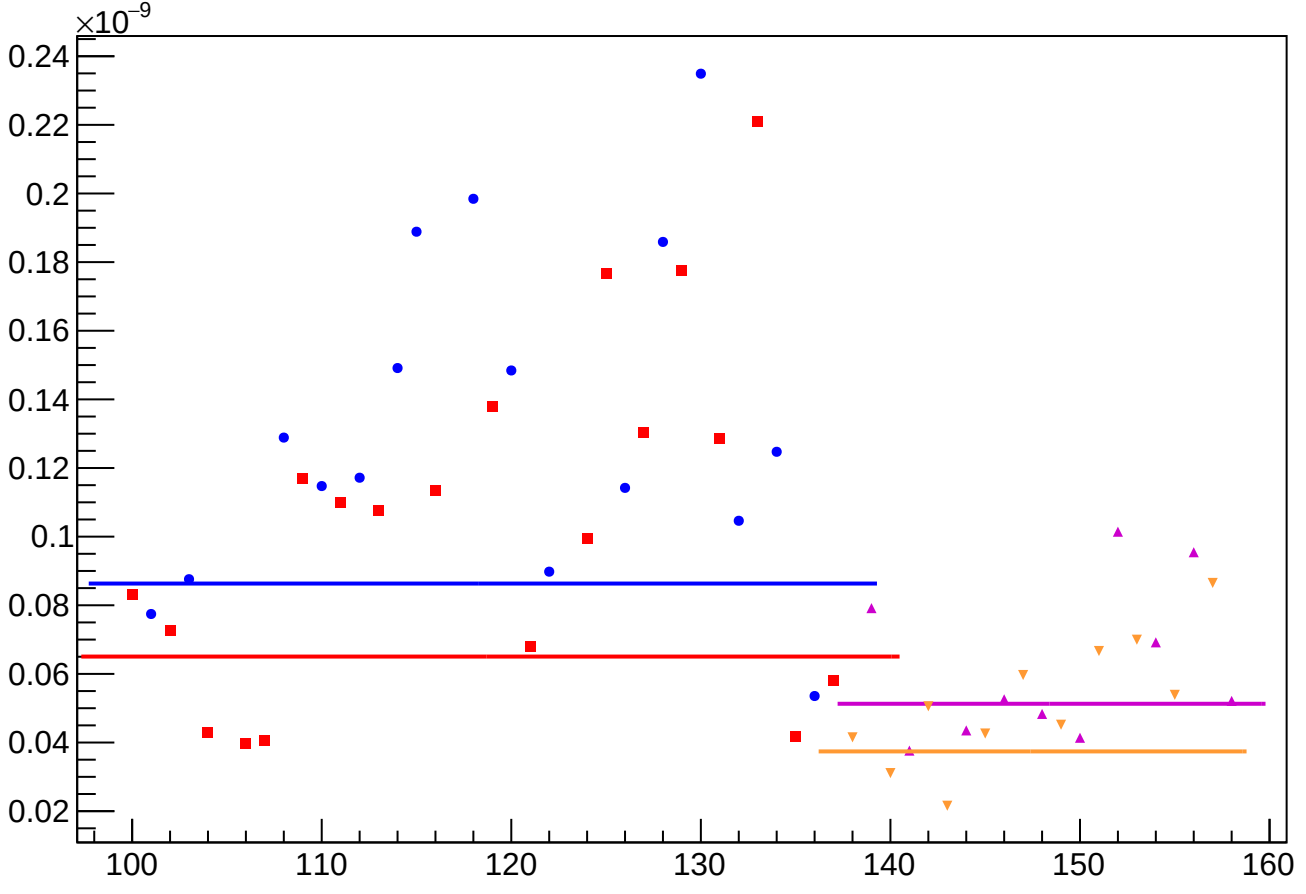
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:12.9/9

+ sign 0.000+/-0.000 χ^2/NDF: 29.6/26

All: 0.000+/-0.000 χ^2/NDF: 69.0/55

- sign -0.000+/-0.000 χ^2/NDF: 35.2/28



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1696147.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

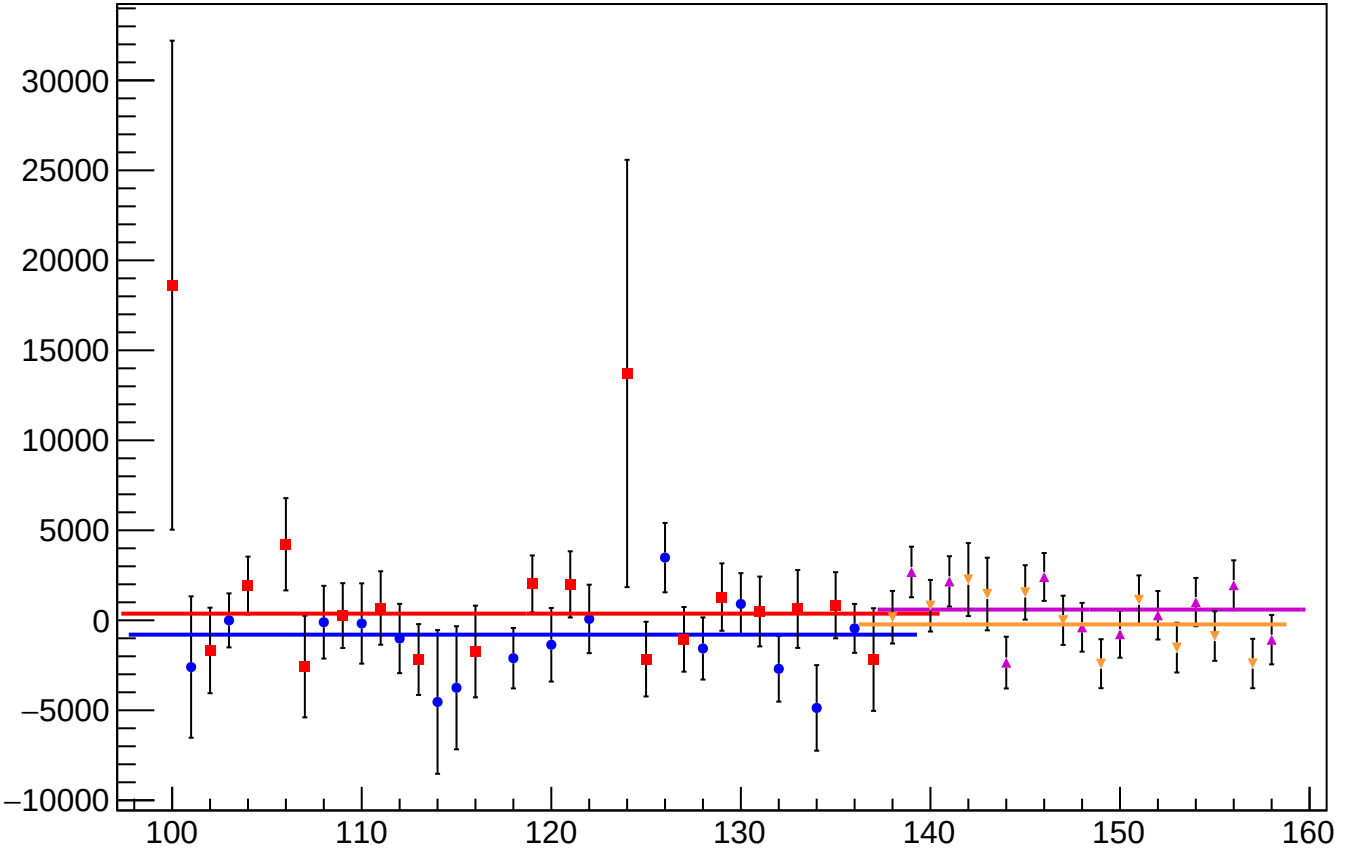
Left In: 0.000+/-0.000 χ^2/NDF:1044016.6/9

+ sign 0.000+/-0.000 χ^2/NDF: 5499242.8/26

All: 0.000+/-0.000 χ^2/NDF: 9309610.2/55

- sign 0.000+/-0.000 χ^2/NDF: 3429254.1/28

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: -227.456+/-443.615 χ^2/NDF:11.4/10

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

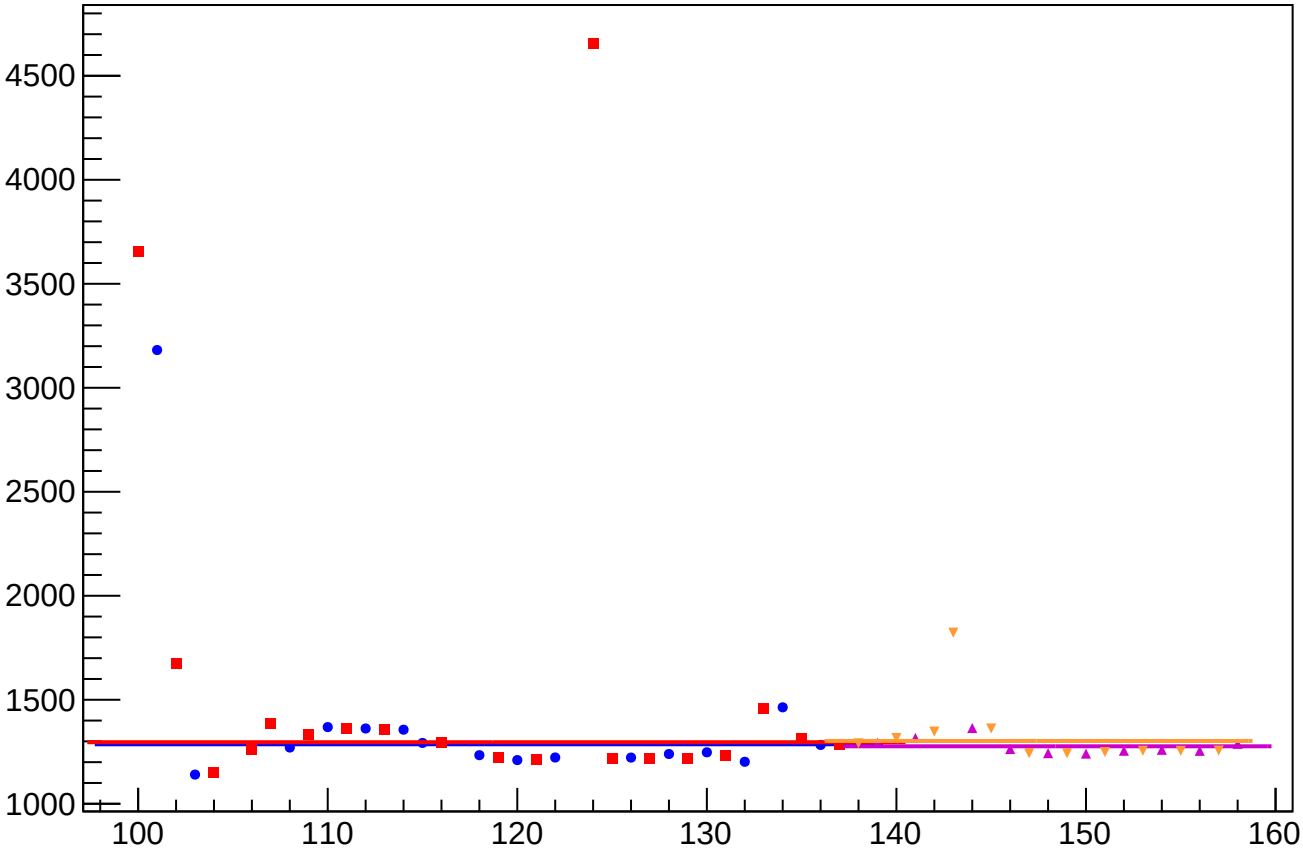
Left In: 596.013+/-432.267 χ^2/NDF:13.7/9

+ sign -485.601+/-328.089 χ^2/NDF: 25.6/26

All: 13.039+/-230.152 χ^2/NDF: 59.6/55

- sign 496.151+/-322.941 χ^2/NDF: 29.4/28

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1301.996+/-0.314 χ^2/NDF:155112.0/10

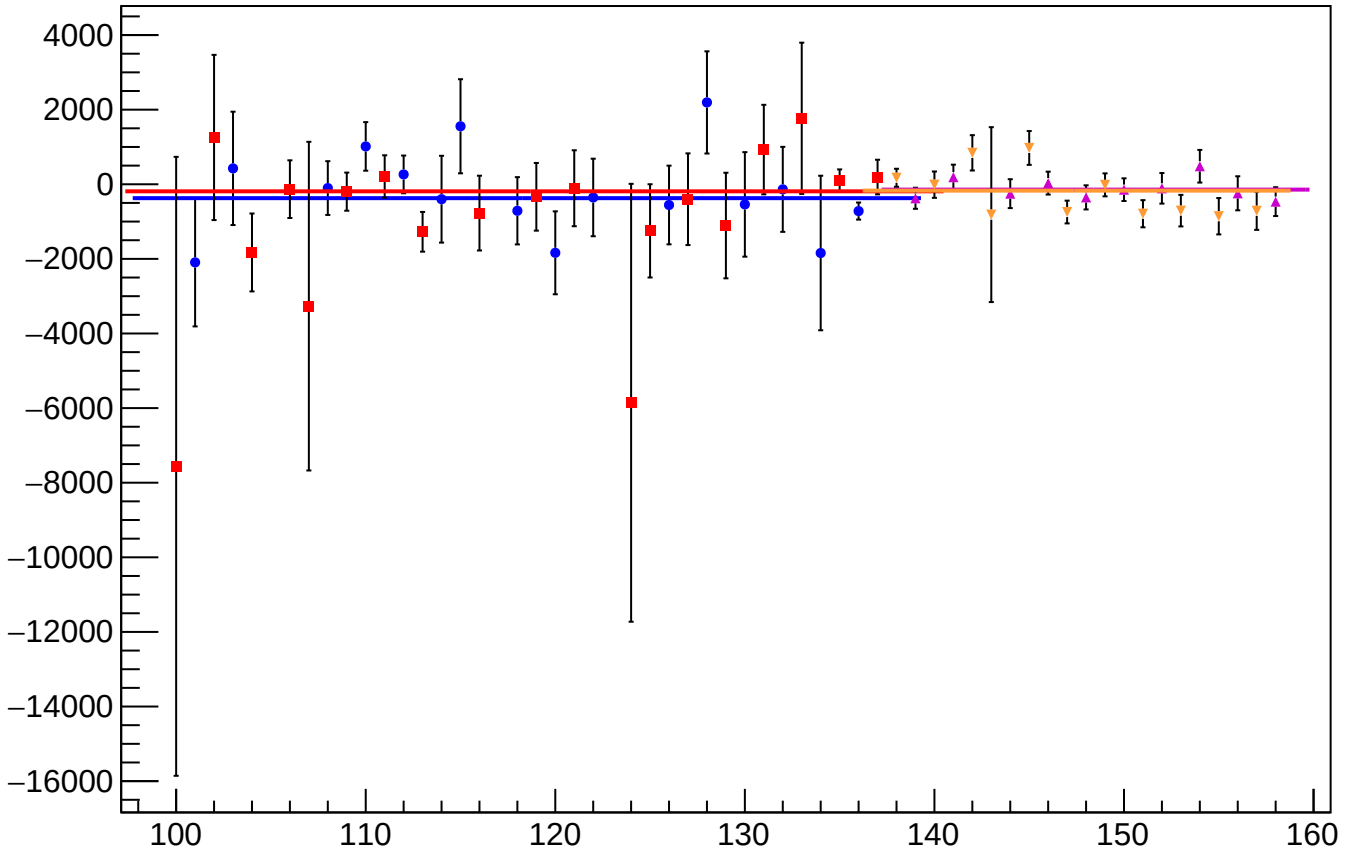
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1276.299+/-0.306 χ^2/NDF:13697.3/9

+ sign 1294.794+/-0.232 χ^2/NDF: 674402.8/26

All: 1289.809+/-0.163 χ^2/NDF: 1018903.9/55

- sign 1284.979+/-0.228 χ^2/NDF: 343592.2/28



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -170.354+/-113.850 χ^2/NDF:24.6/10

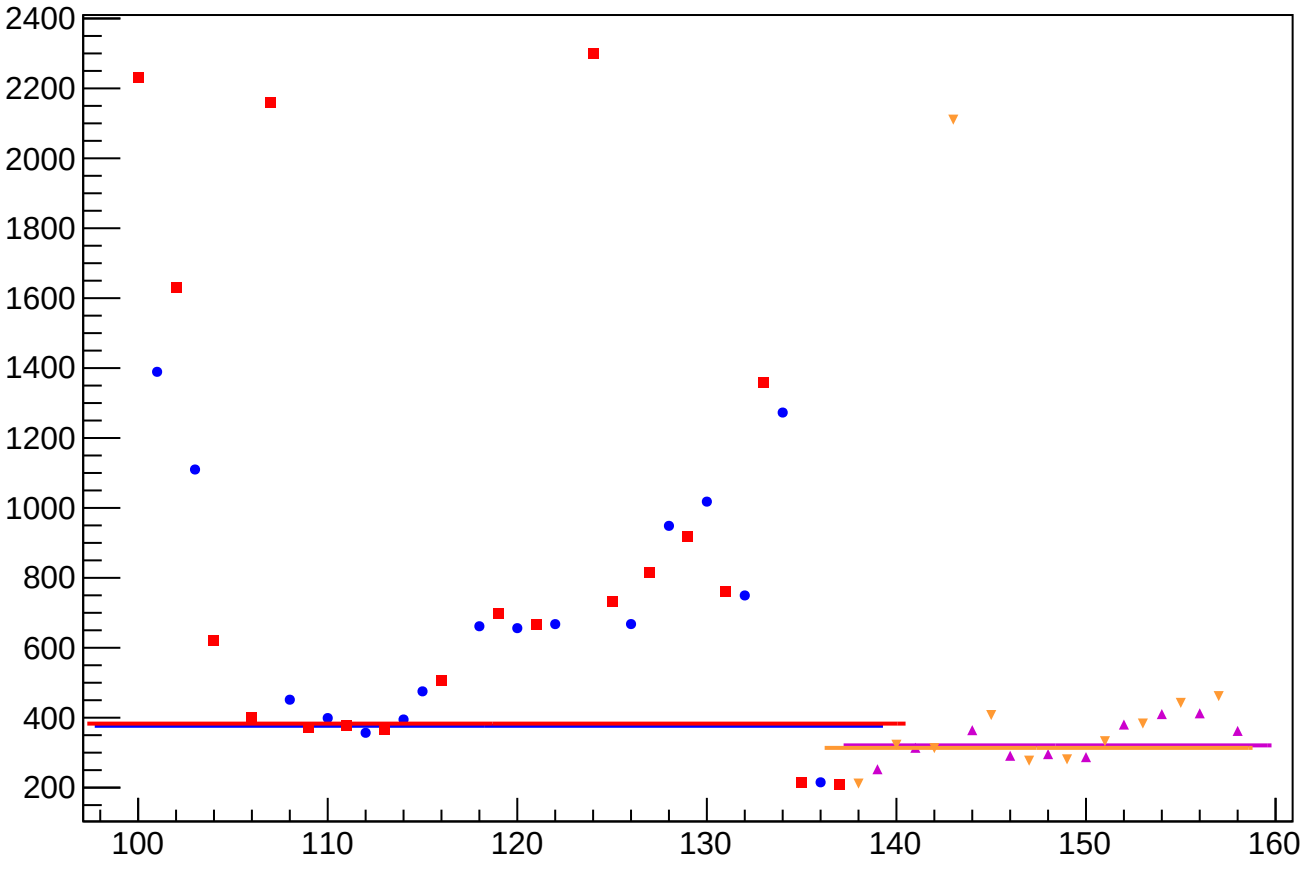
Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: -143.110+/-110.579 χ^2/NDF:5.3/9

+ sign -233.812+/-94.283 χ^2/NDF: 43.8/26

All: -194.616+/-66.074 χ^2/NDF: 64.1/55

- sign -156.786+/-92.626 χ^2/NDF: 20.0/28



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 313.671+/-0.081 χ^2/NDF:2037953.1/10

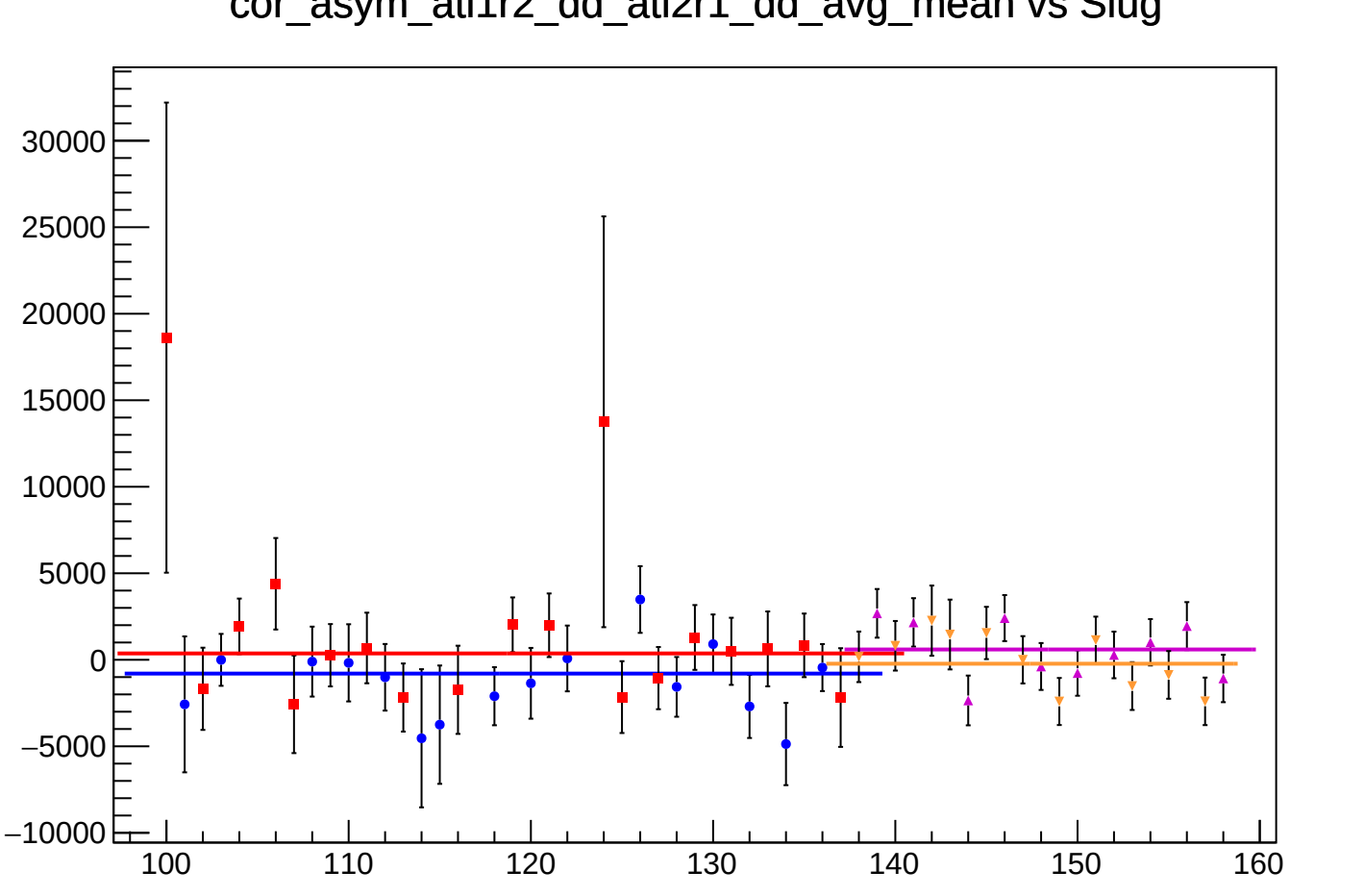
Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 320.794+/-0.078 χ^2/NDF:427716.1/9

+ sign 333.535+/-0.067 χ^2/NDF: 6421919.1/26

All: 336.507+/-0.047 χ^2/NDF: 11096948.7/55

- sign 339.375+/-0.065 χ^2/NDF: 4671124.2/28



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -227.417+/-443.616 χ^2/NDF:11.4/10

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

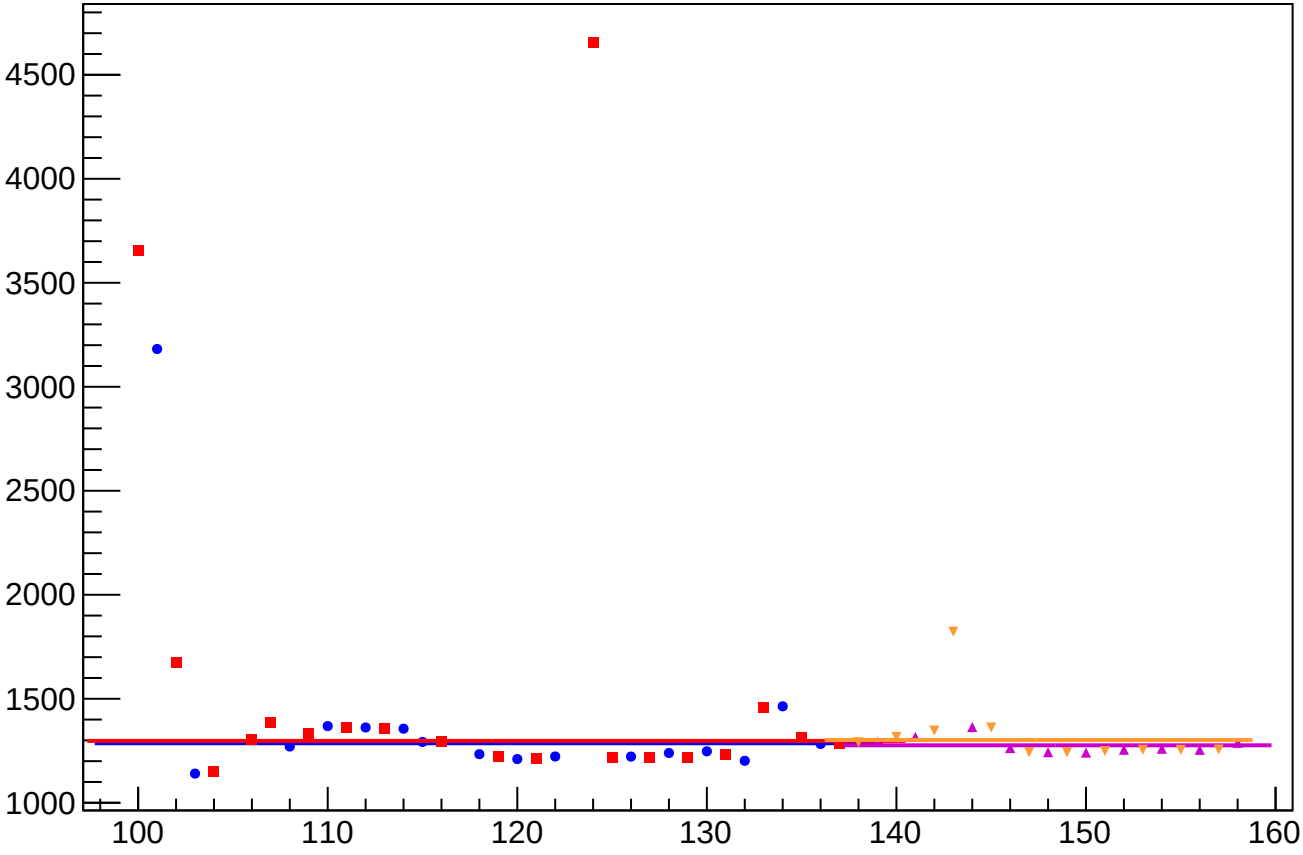
Left In: 595.971+/-432.267 χ^2/NDF:13.7/9

+ sign -485.397+/-328.089 χ^2/NDF: 25.6/26

All: 12.387+/-230.208 χ^2/NDF: 59.6/55

- sign 495.129+/-323.094 χ^2/NDF: 29.5/28

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1301.996+/-0.314 χ^2/NDF:155112.0/10

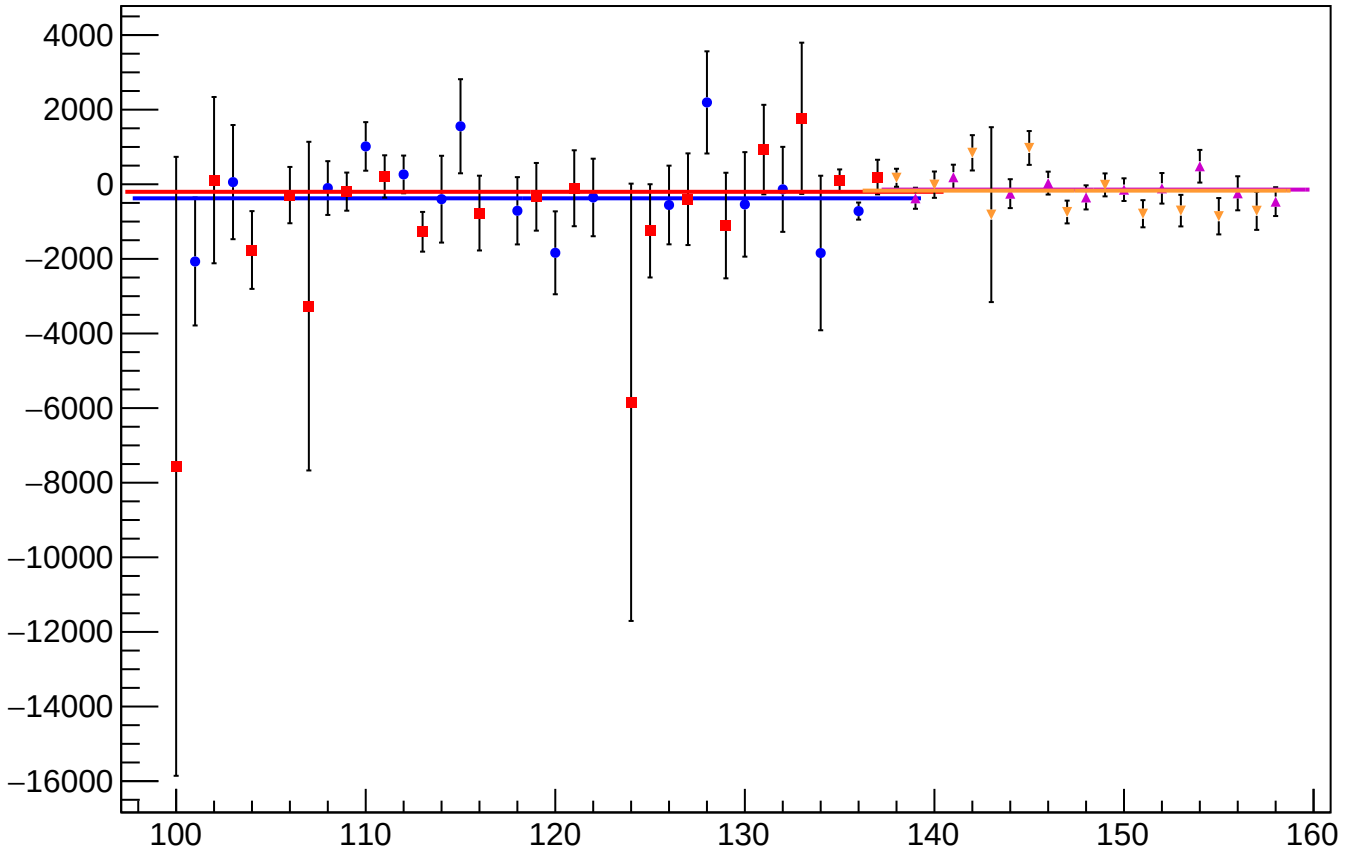
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1276.299+/-0.306 χ^2/NDF:13697.3/9

+ sign 1294.794+/-0.232 χ^2/NDF: 674404.2/26

All: 1290.131+/-0.163 χ^2/NDF: 1018740.9/55

- sign 1285.609+/-0.228 χ^2/NDF: 343541.0/28



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -170.381+/-113.853 χ^2/NDF:24.6/10

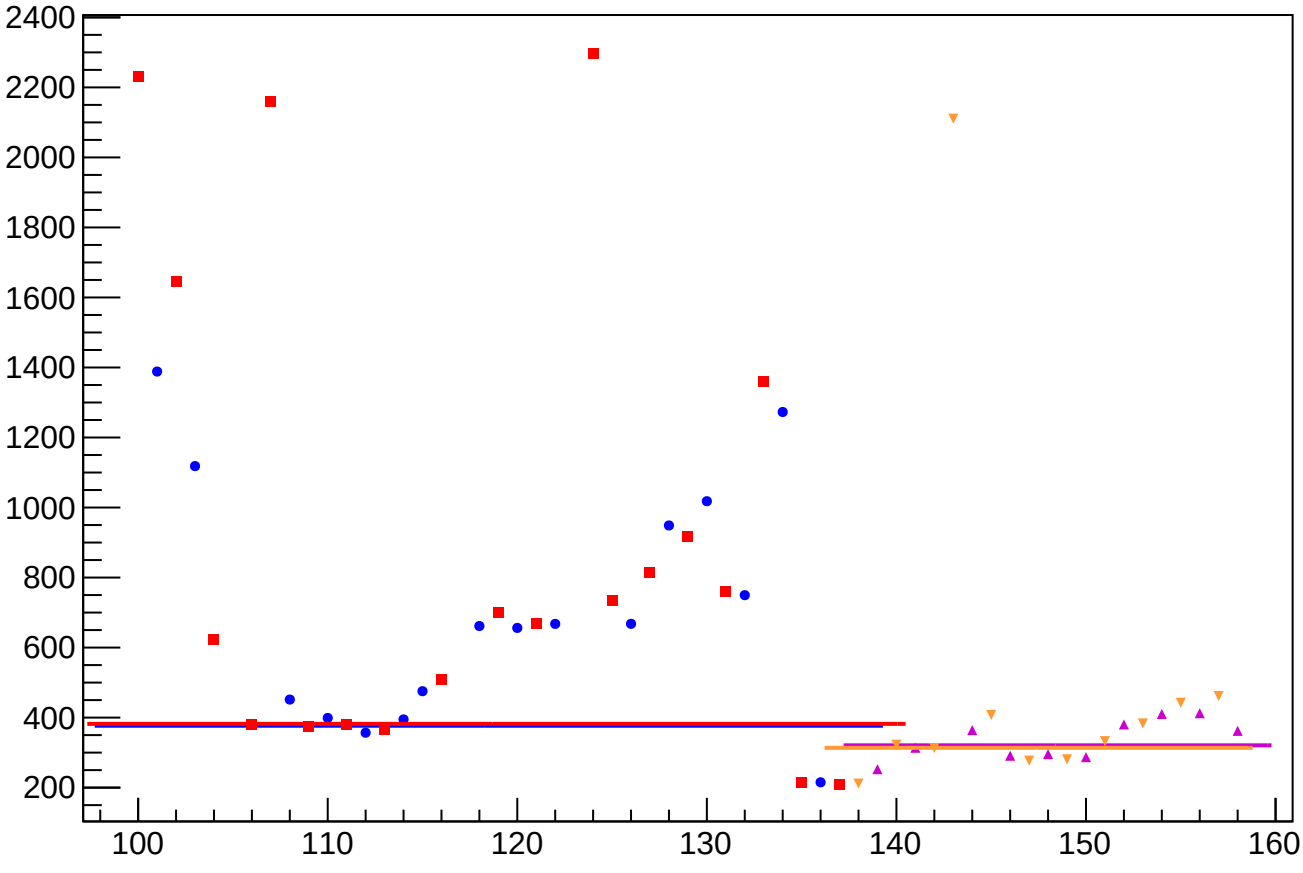
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -143.134+/-110.579 χ^2/NDF:5.3/9

+ sign -235.220+/-94.288 χ^2/NDF: 43.6/26

All: -197.319+/-66.064 χ^2/NDF: 63.3/55

- sign -160.769+/-92.593 χ^2/NDF: 19.4/28



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 313.681+/-0.081 χ^2/NDF:2037877.2/10

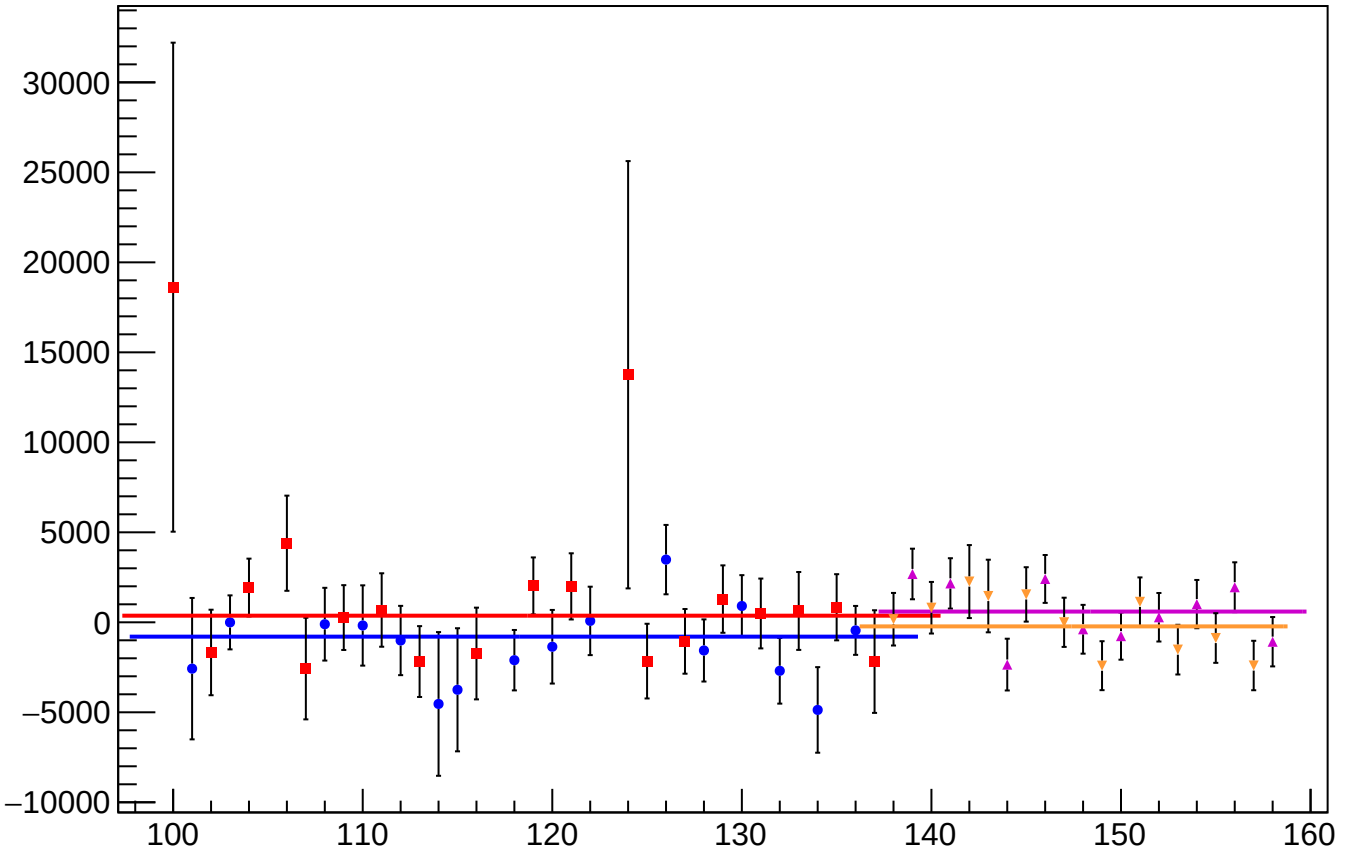
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 320.792+/-0.078 χ^2/NDF:427778.0/9

+ sign 333.537+/-0.067 χ^2/NDF: 6424828.5/26

All: 336.381+/-0.047 χ^2/NDF: 11099721.9/55

- sign 339.125+/-0.065 χ^2/NDF: 4671317.3/28



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -227.417+/-443.616 χ^2/NDF:11.4/10

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

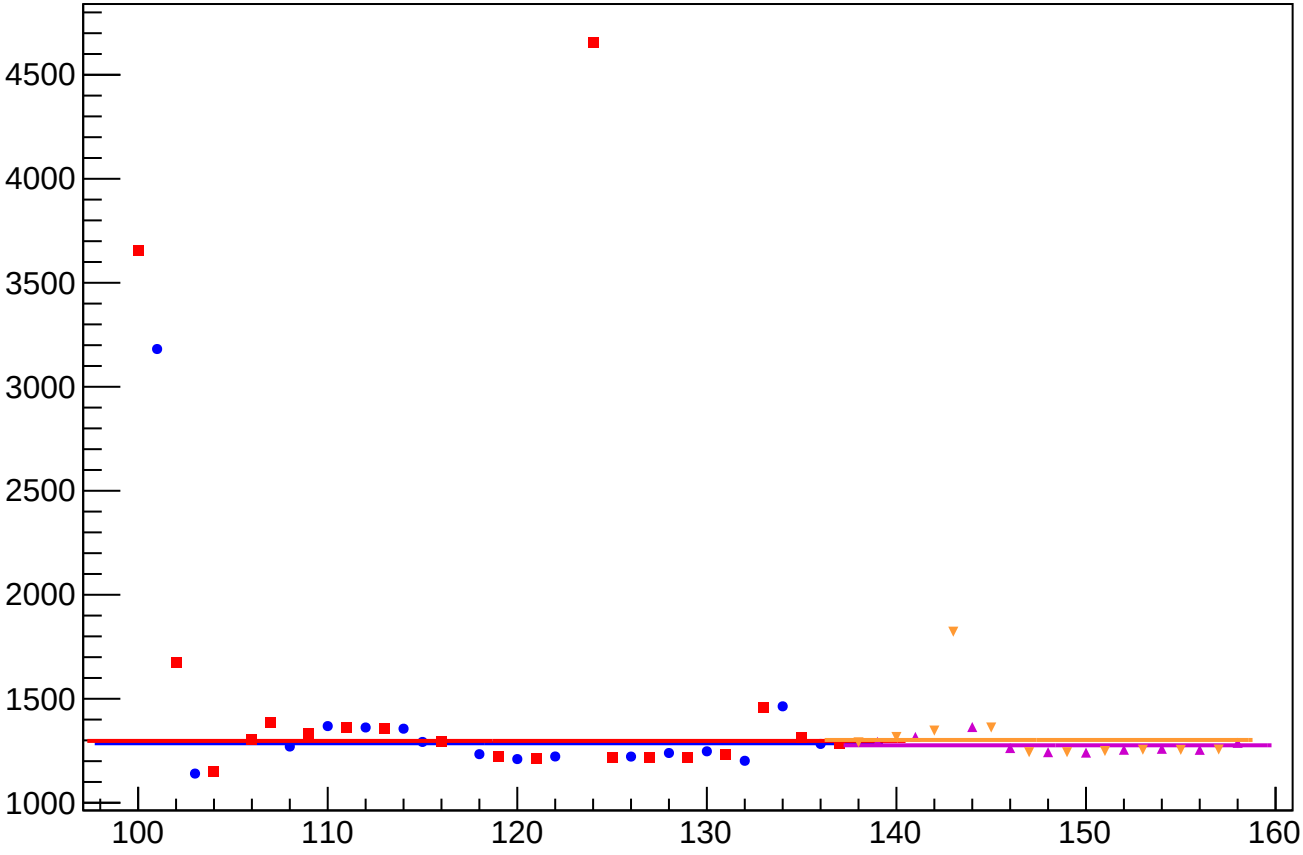
Left In: 595.971+/-432.267 χ^2/NDF:13.7/9

+ sign -485.397+/-328.089 χ^2/NDF: 25.6/26

All: 12.387+/-230.208 χ^2/NDF: 59.6/55

- sign 495.129+/-323.094 χ^2/NDF: 29.5/28

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1301.996+/-0.314 χ^2/NDF:155112.0/10

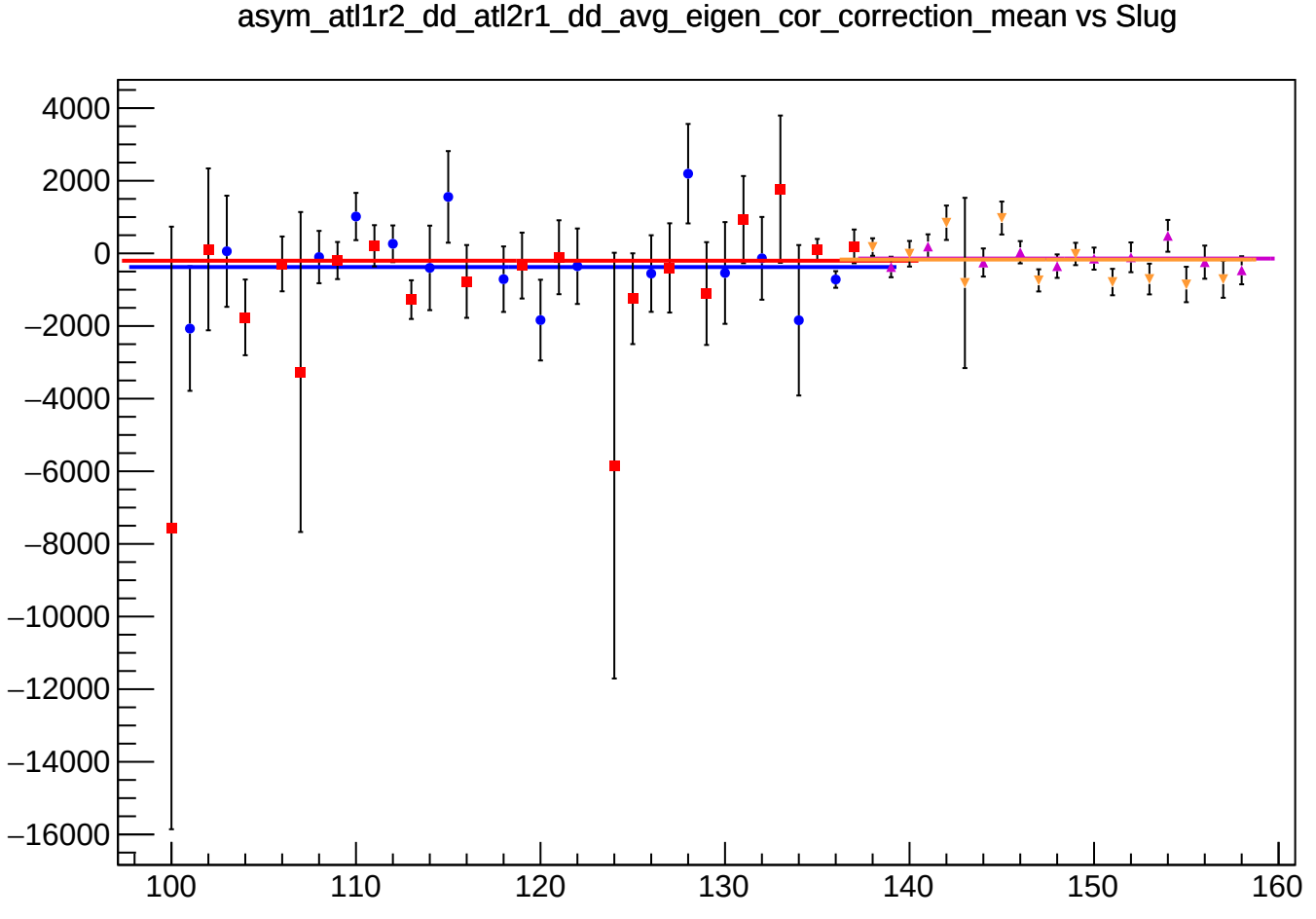
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1276.299+/-0.306 χ^2/NDF:13697.3/9

+ sign 1294.794+/-0.232 χ^2/NDF: 674404.2/26

All: 1290.131+/-0.163 χ^2/NDF: 1018740.9/55

- sign 1285.609+/-0.228 χ^2/NDF: 343541.0/28



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -170.381+/-113.853 χ^2/NDF:24.6/10

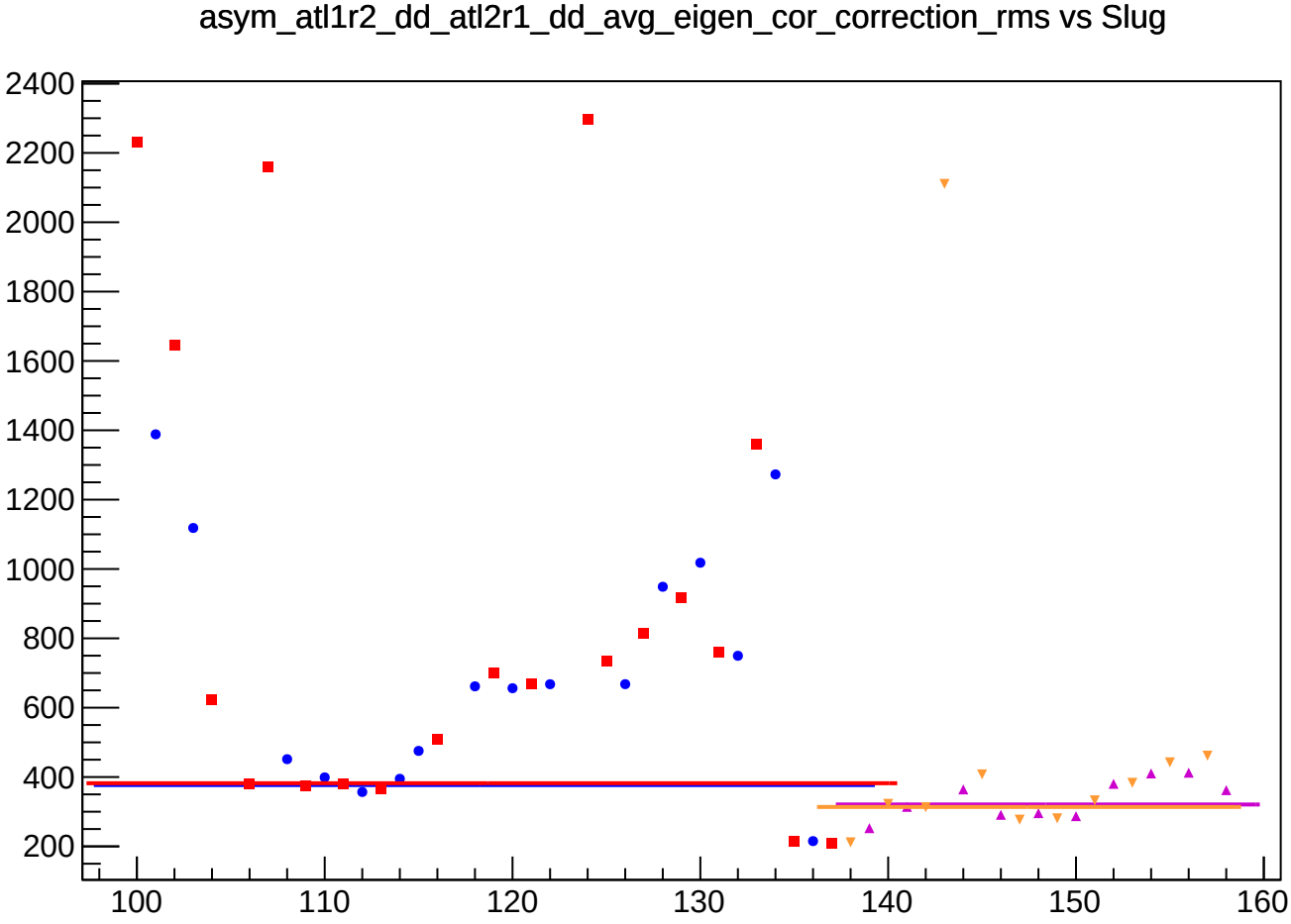
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -143.134+/-110.579 χ^2/NDF:5.3/9

+ sign -235.220+/-94.288 χ^2/NDF: 43.6/26

All: -197.319+/-66.064 χ^2/NDF: 63.3/55

- sign -160.769+/-92.593 χ^2/NDF: 19.4/28



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 313.681+/-0.081 χ^2/NDF:2037877.2/10

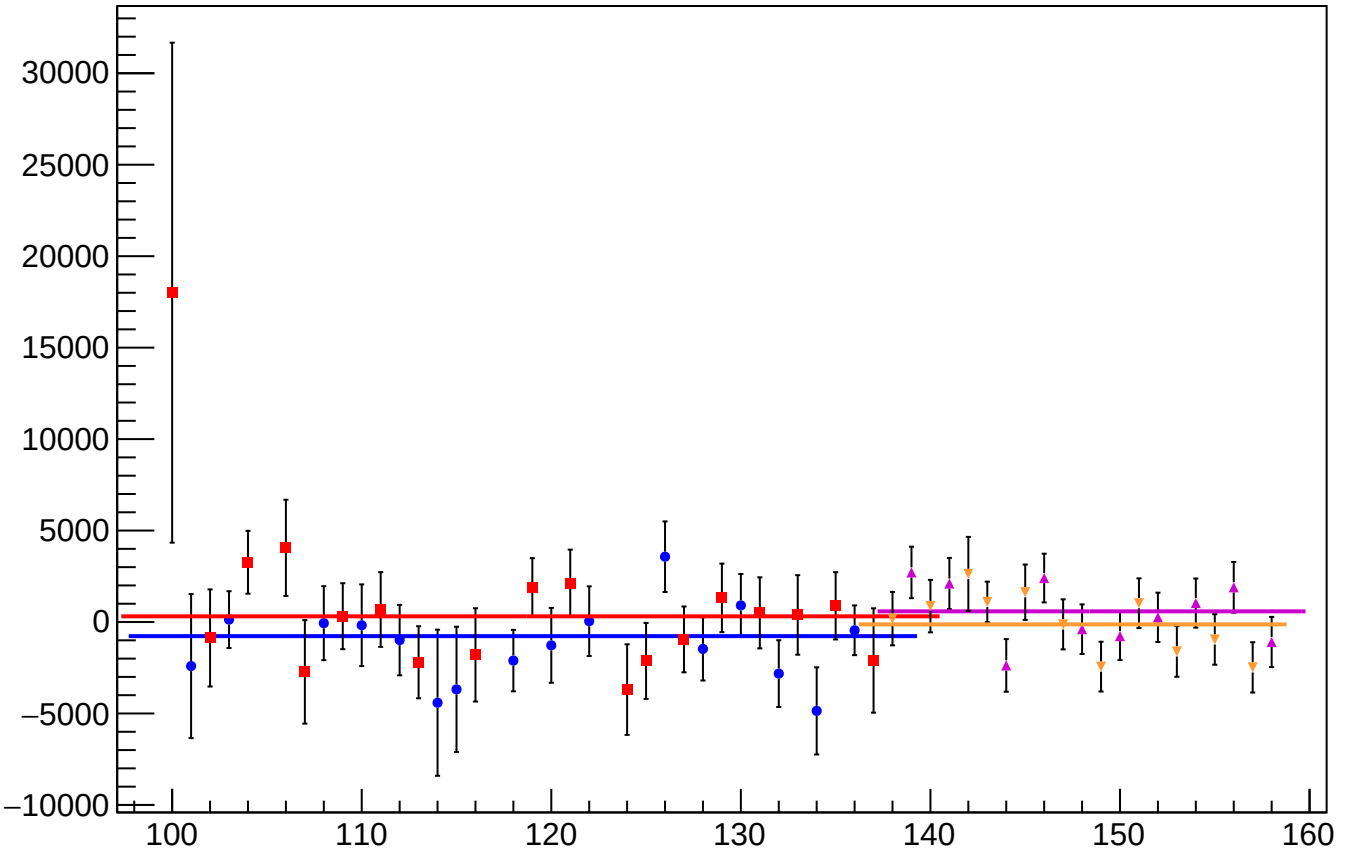
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 320.792+/-0.078 χ^2/NDF:427778.0/9

+ sign 333.537+/-0.067 χ^2/NDF: 6424828.5/26

All: 336.381+/-0.047 χ^2/NDF: 11099721.9/55

- sign 339.125+/-0.065 χ^2/NDF: 4671317.3/28



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: -127.600+/-420.856 χ^2/NDF:13.0/10

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

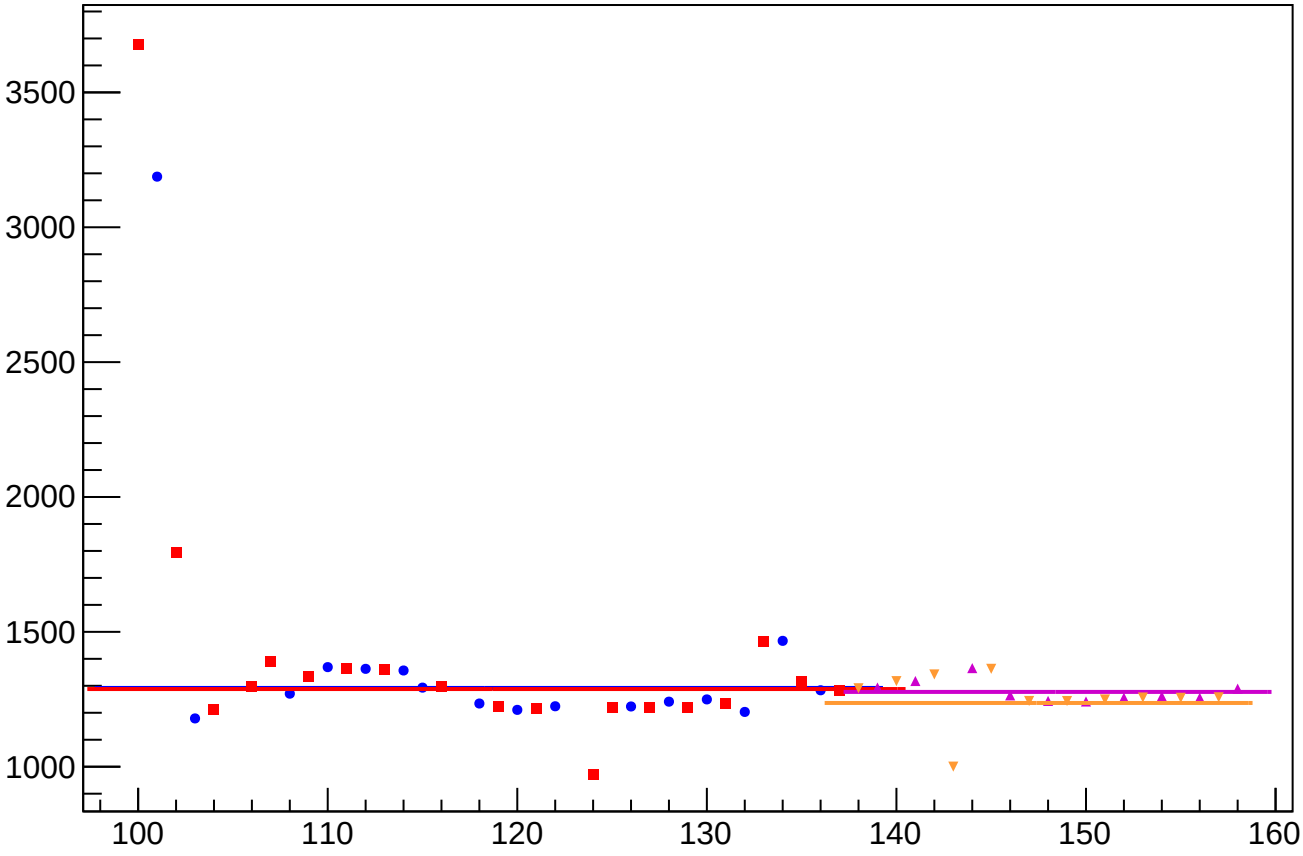
Left In: 583.693+/-432.619 χ^2/NDF:13.7/9

+ sign -401.206+/-319.152 χ^2/NDF: 27.6/26

All: 26.560+/-226.726 χ^2/NDF: 63.0/55

- sign 462.392+/-322.147 χ^2/NDF: 31.8/28

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1236.380+/-0.298 χ^2/NDF:121113.6/10

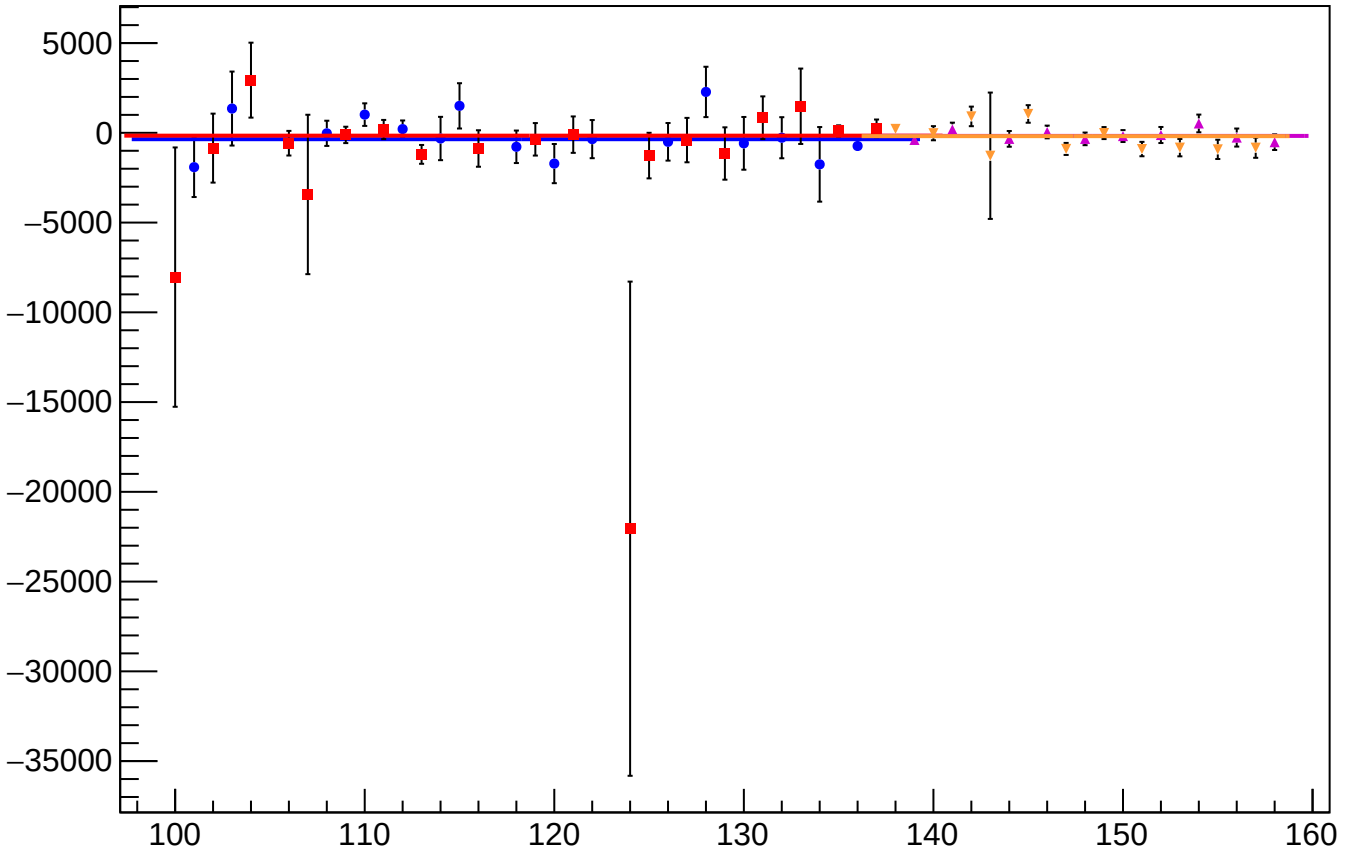
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1277.334+/-0.306 χ^2/NDF:13763.5/9

+ sign 1260.030+/-0.226 χ^2/NDF: 645383.5/26

All: 1270.953+/-0.160 χ^2/NDF: 873625.2/55

- sign 1282.081+/-0.228 χ^2/NDF: 223512.7/28



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -185.017+/-123.207 χ^2/NDF:26.4/10

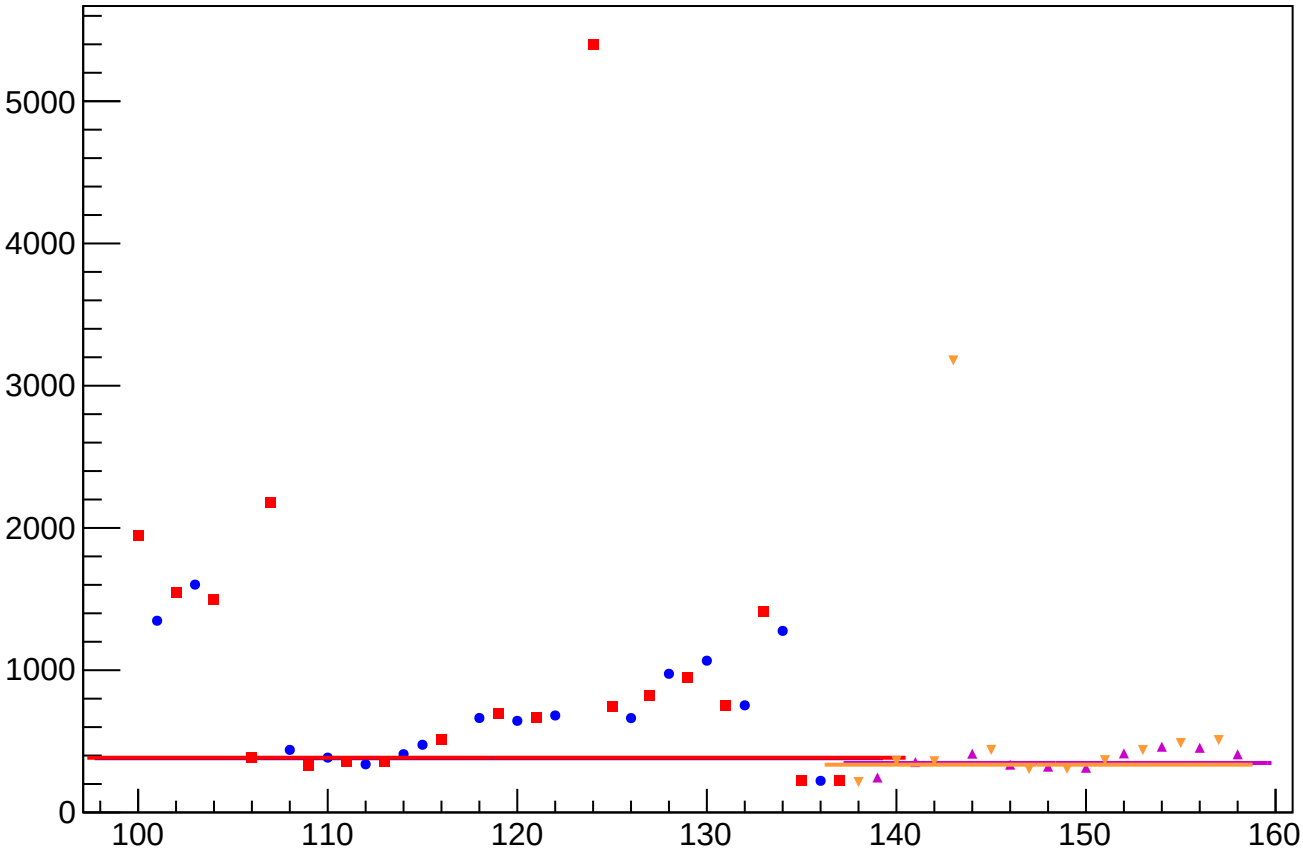
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -171.795+/-120.669 χ^2/NDF:5.0/9

+ sign -243.645+/-99.756 χ^2/NDF: 45.5/26

All: -204.841+/-70.030 χ^2/NDF: 66.6/55

- sign -167.135+/-98.335 χ^2/NDF: 20.8/28



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 335.838+/-0.087 χ^2/NDF:2392370.7/10

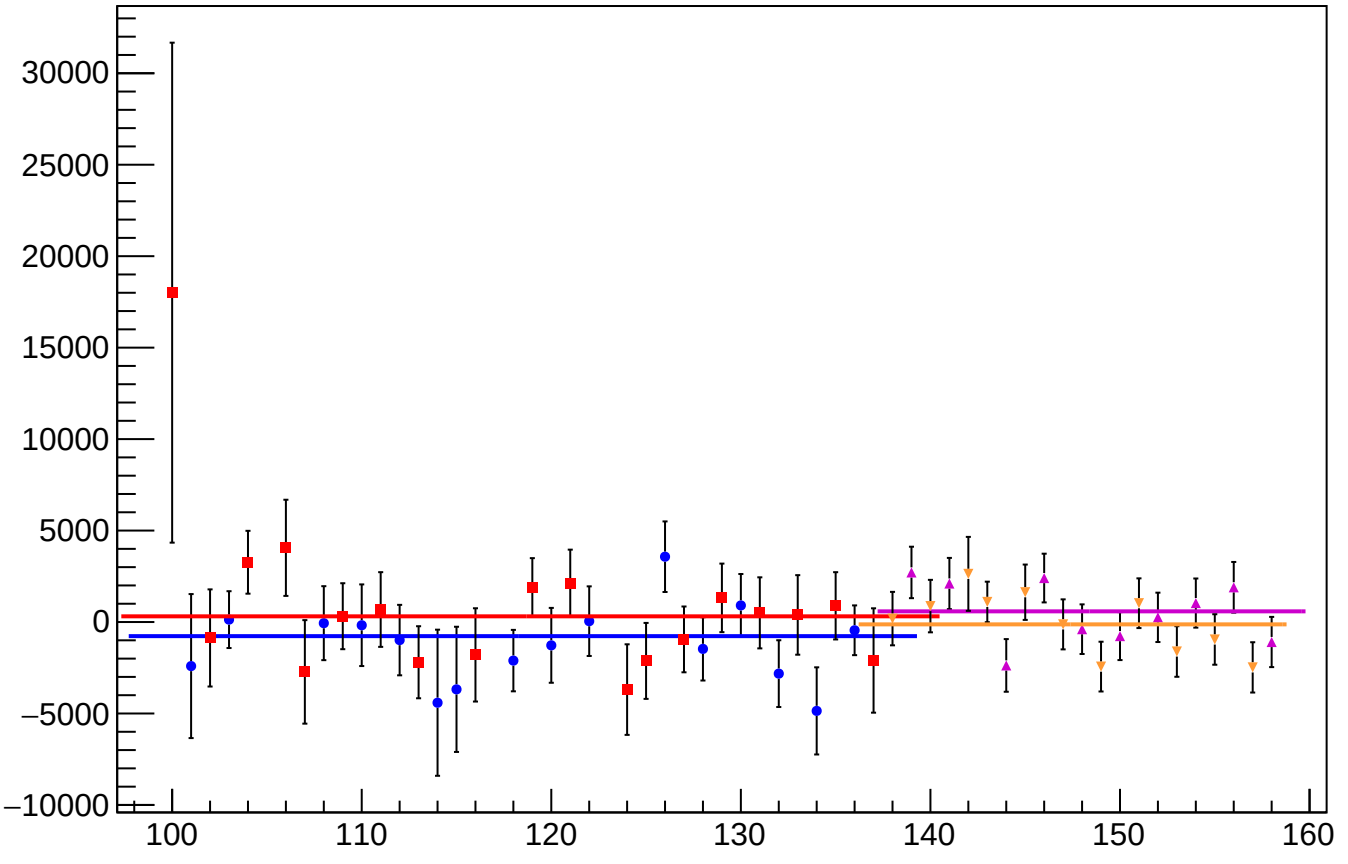
Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 347.930+/-0.085 χ^2/NDF:632733.1/9

+ sign 351.514+/-0.071 χ^2/NDF: 6804292.7/26

All: 355.952+/-0.050 χ^2/NDF: 12067253.9/55

- sign 360.265+/-0.070 χ^2/NDF: 5255155.2/28



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: -127.599+/-420.856 χ^2/NDF:13.0/10

Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

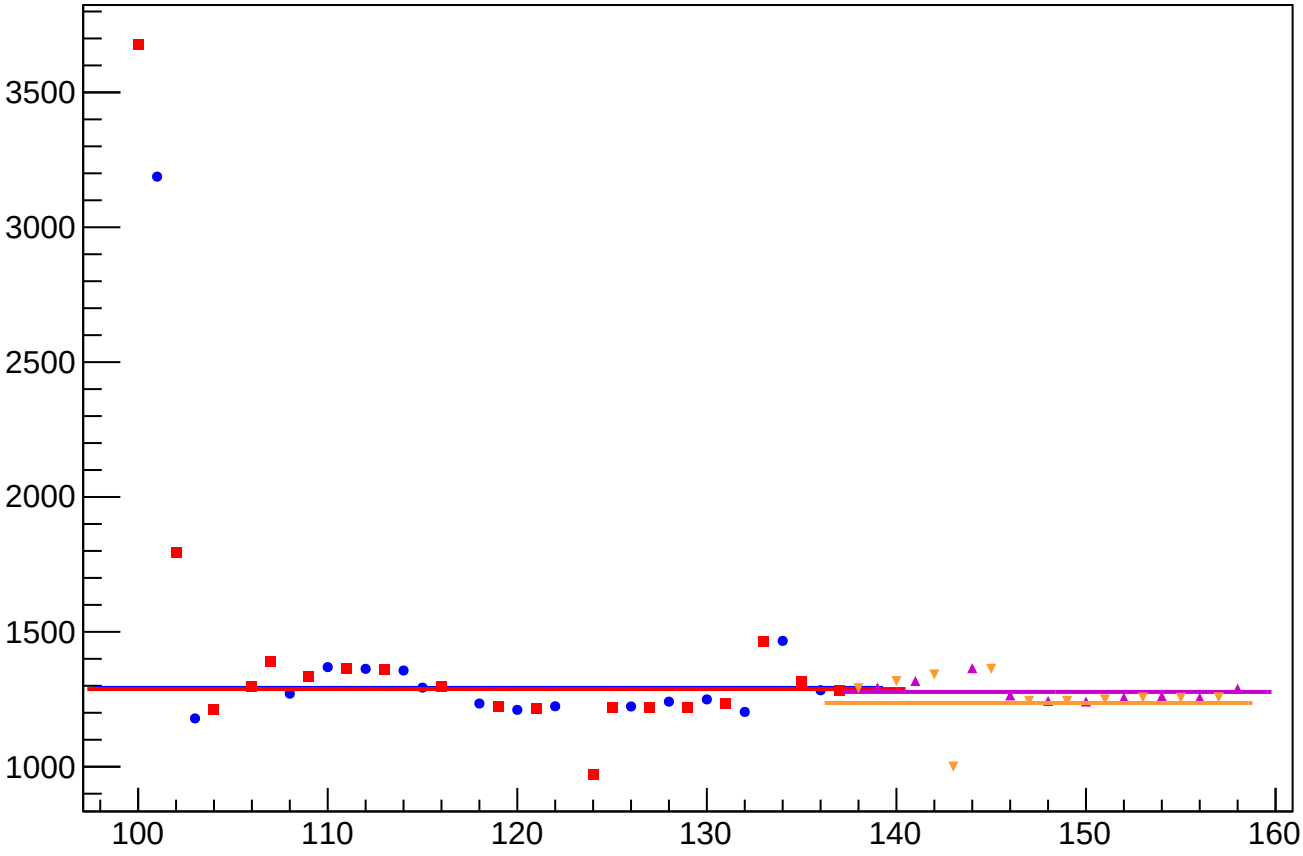
Left In: 583.690+/-432.619 χ^2/NDF:13.7/9

+ sign -401.207+/-319.152 χ^2/NDF: 27.6/26

All: 26.560+/-226.726 χ^2/NDF: 63.0/55

- sign 462.391+/-322.147 χ^2/NDF: 31.8/28

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1236.380+/-0.298 χ^2/NDF:121112.8/10

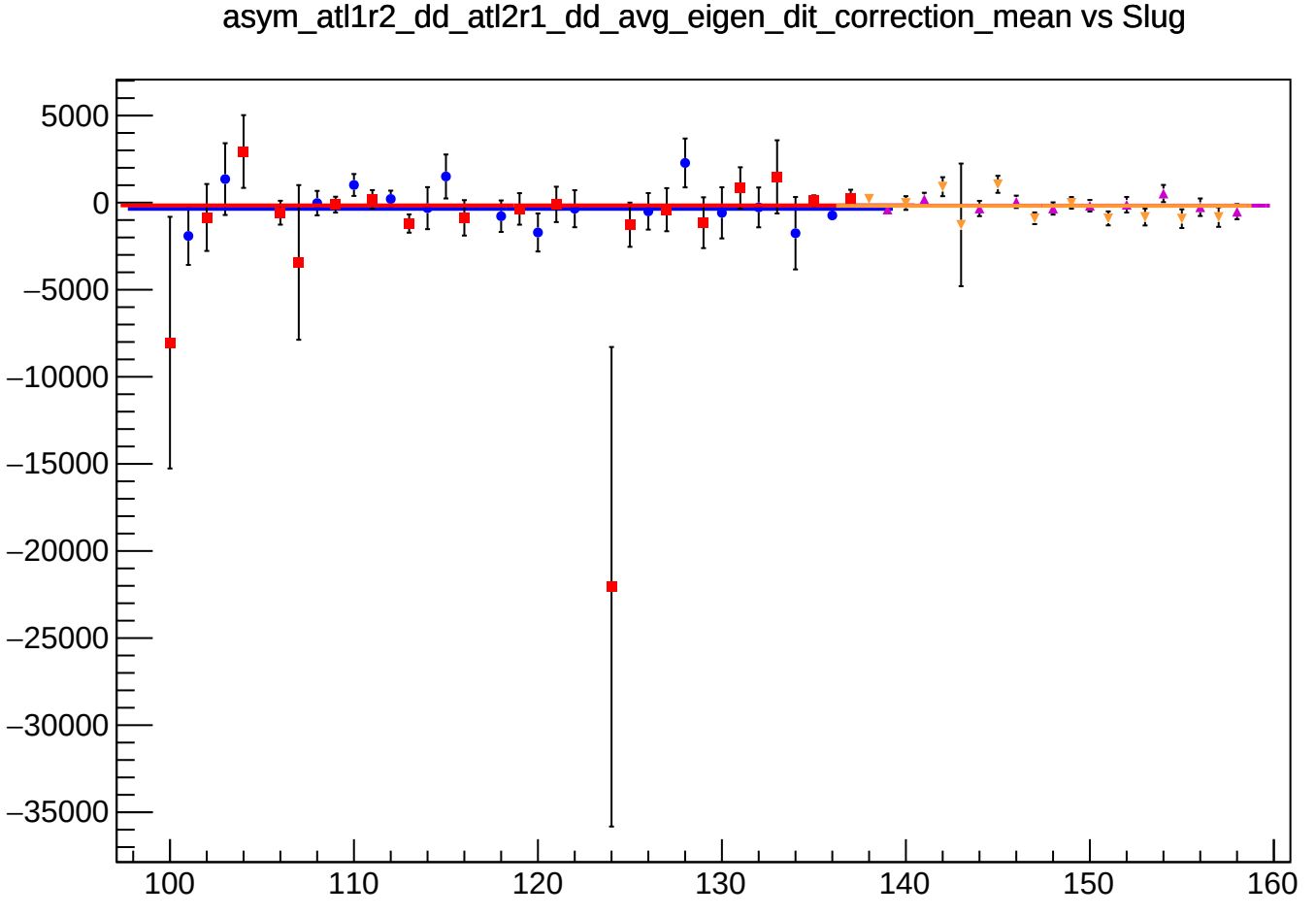
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1277.334+/-0.306 χ^2/NDF:13763.5/9

+ sign 1260.030+/-0.226 χ^2/NDF: 645382.6/26

All: 1270.953+/-0.160 χ^2/NDF: 873624.5/55

- sign 1282.081+/-0.228 χ^2/NDF: 223513.0/28



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -185.027+/-123.209 χ^2/NDF:26.4/10

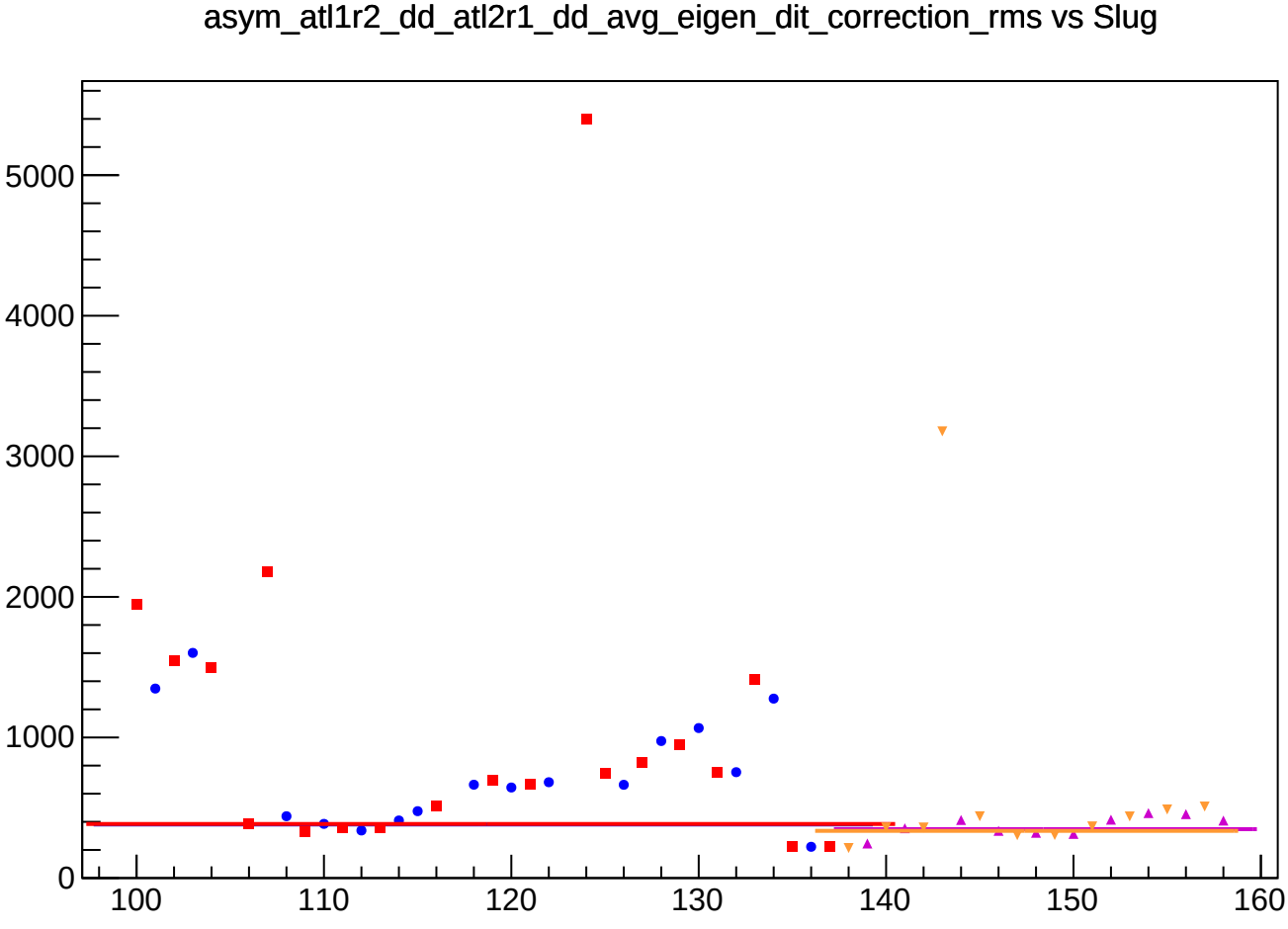
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -171.796+/-120.670 χ^2/NDF:5.0/9

\+ sign -243.652+/-99.757 χ^2/NDF: 45.5/26

All: -204.846+/-70.031 χ^2/NDF: 66.6/55

\- sign -167.138+/-98.336 χ^2/NDF: 20.8/28



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 335.845+/-0.087 χ^2/NDF:2392215.4/10

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

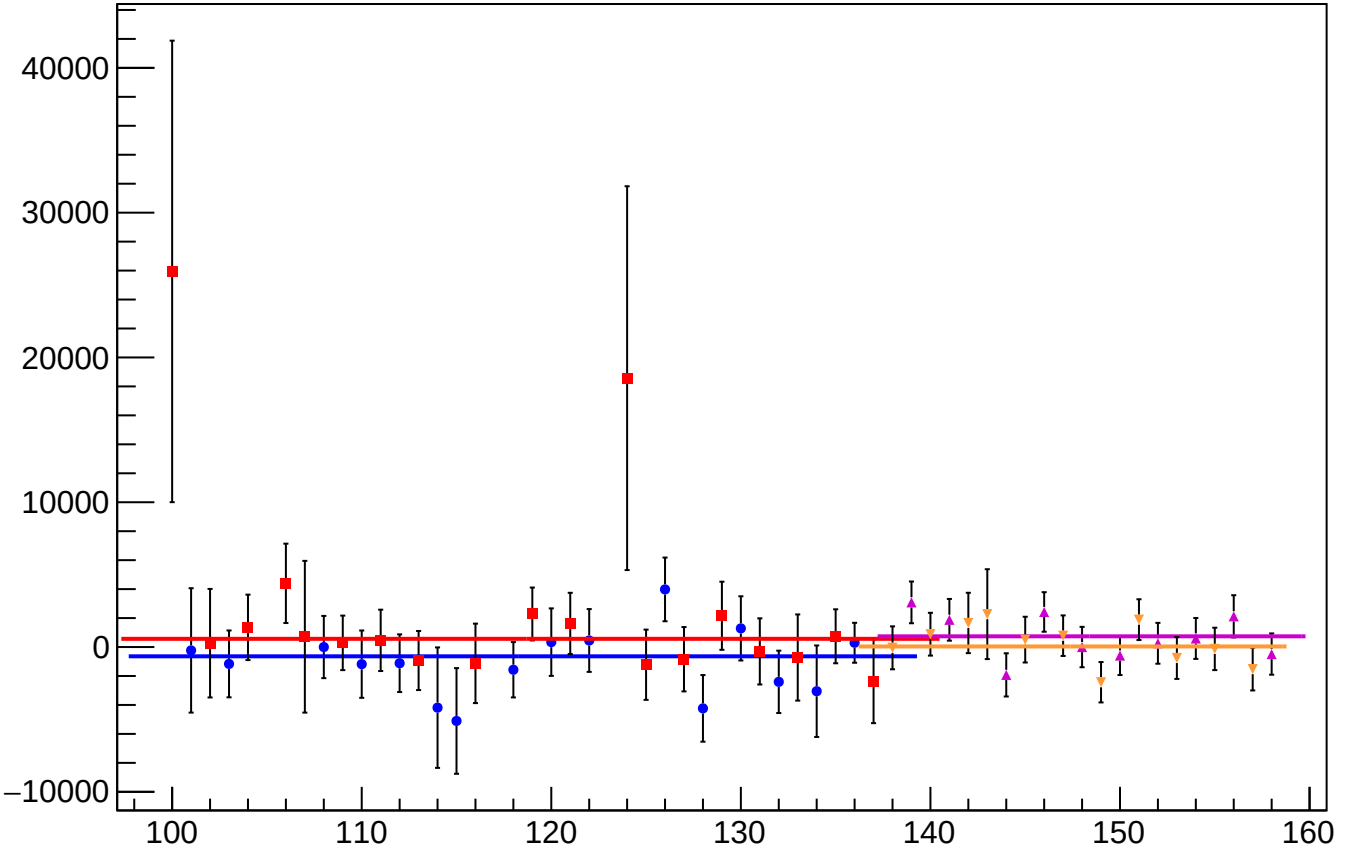
Left In: 347.935+/-0.085 χ^2/NDF:632641.8/9

+ sign 351.522+/-0.071 χ^2/NDF: 6803961.4/26

All: 355.959+/-0.050 χ^2/NDF: 12066695.3/55

- sign 360.271+/-0.070 χ^2/NDF: 5254932.2/28

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 40.365+/-467.204 χ^2/NDF:8.1/10

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

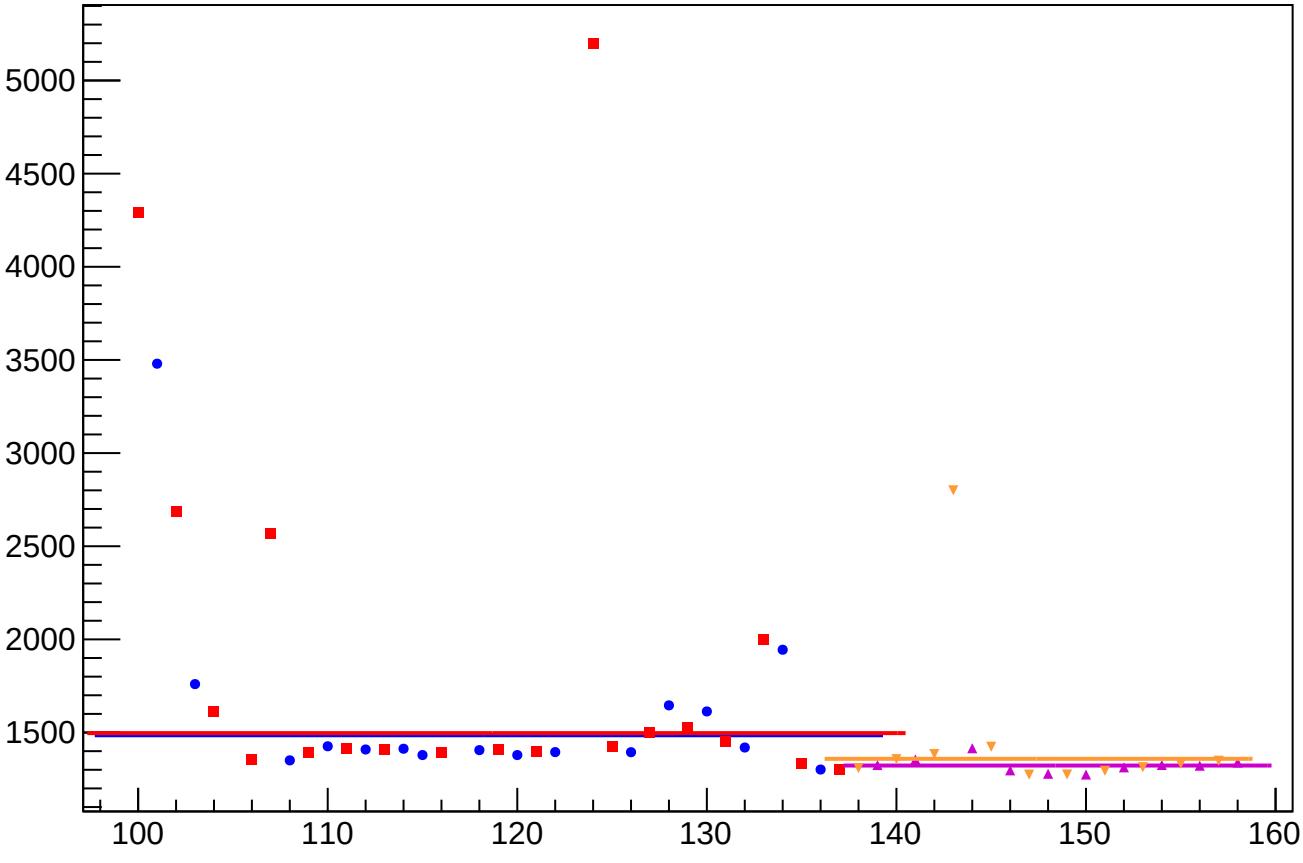
Left In: 739.423+/-448.049 χ^2/NDF:11.0/9

\+ sign -236.634+/-359.887 χ^2/NDF: 21.5/26

All: 229.030+/-251.456 χ^2/NDF: 47.1/55

\- sign 673.209+/-351.486 χ^2/NDF: 22.4/28

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1358.926+/-0.330 χ^2/NDF:458776.4/10

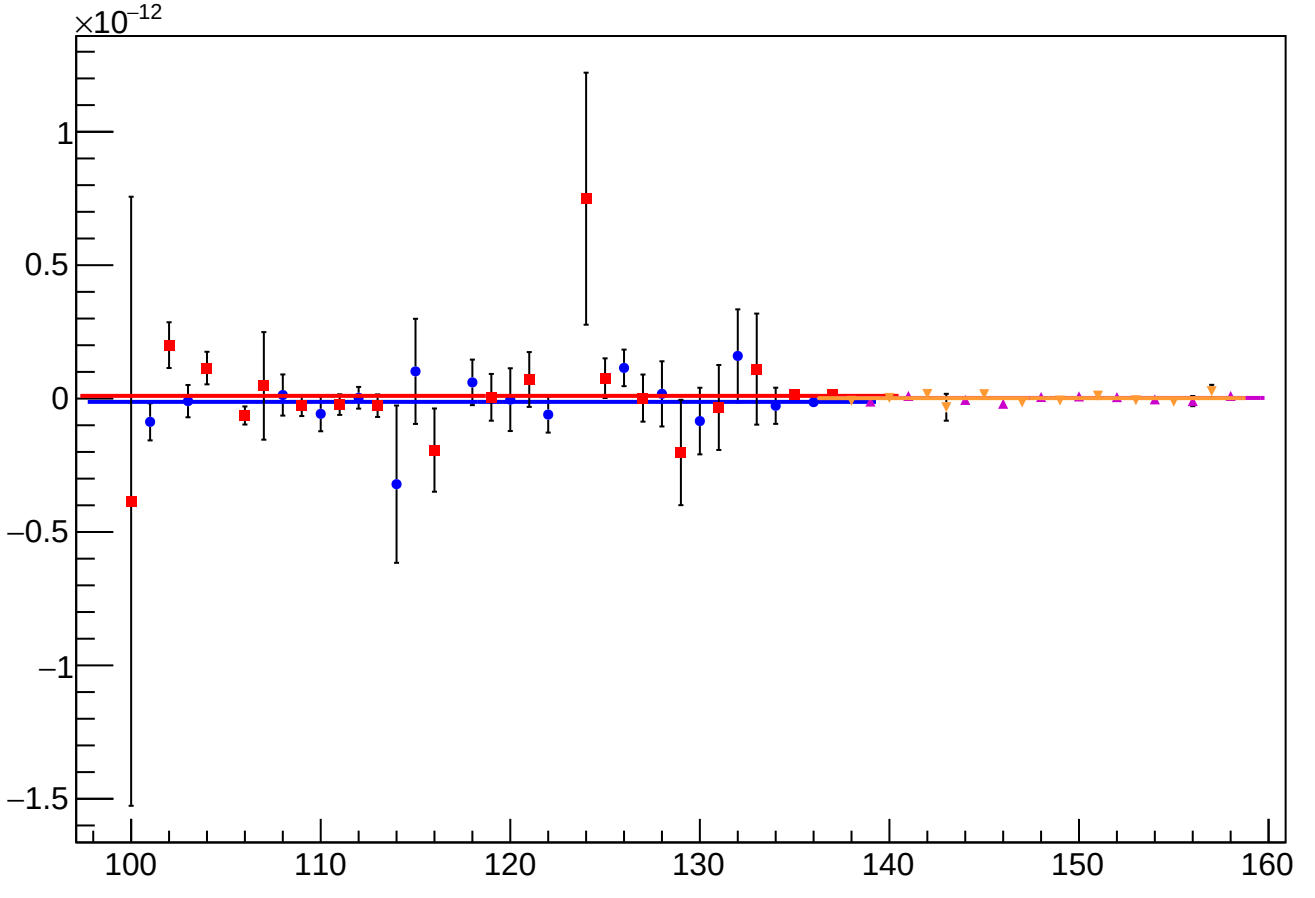
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1322.829+/-0.317 χ^2/NDF:14415.3/9

+ sign 1410.344+/-0.254 χ^2/NDF: 1102815.7/26

All: 1399.810+/-0.178 χ^2/NDF: 1859924.4/55

- sign 1389.762+/-0.249 χ^2/NDF: 753760.9/28



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.0/10

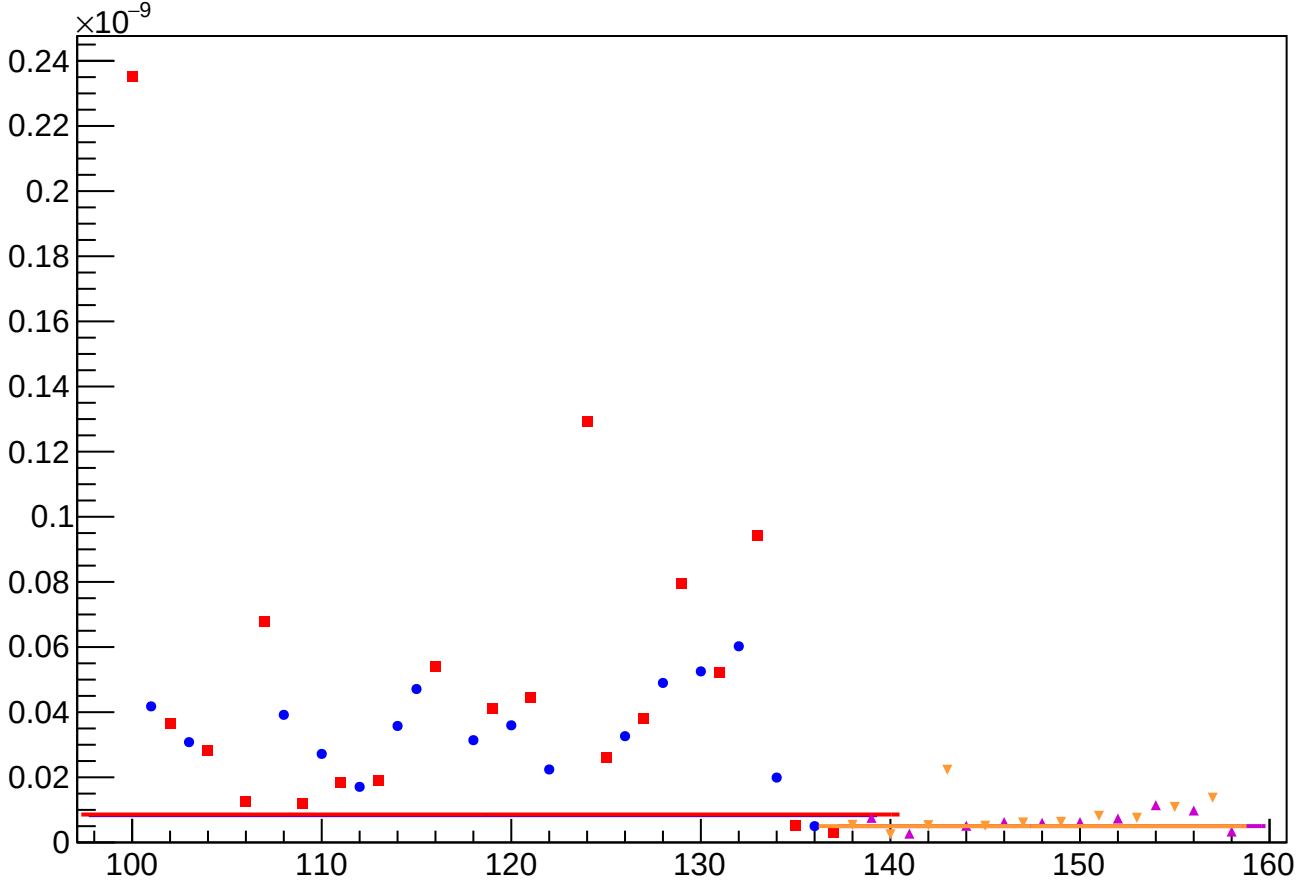
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:10.8/9

+ sign -0.000+/-0.000 χ^2/NDF: 24.5/26

All: 0.000+/-0.000 χ^2/NDF: 59.3/55

- sign 0.000+/-0.000 χ^2/NDF: 33.9/28



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1521180.8/10

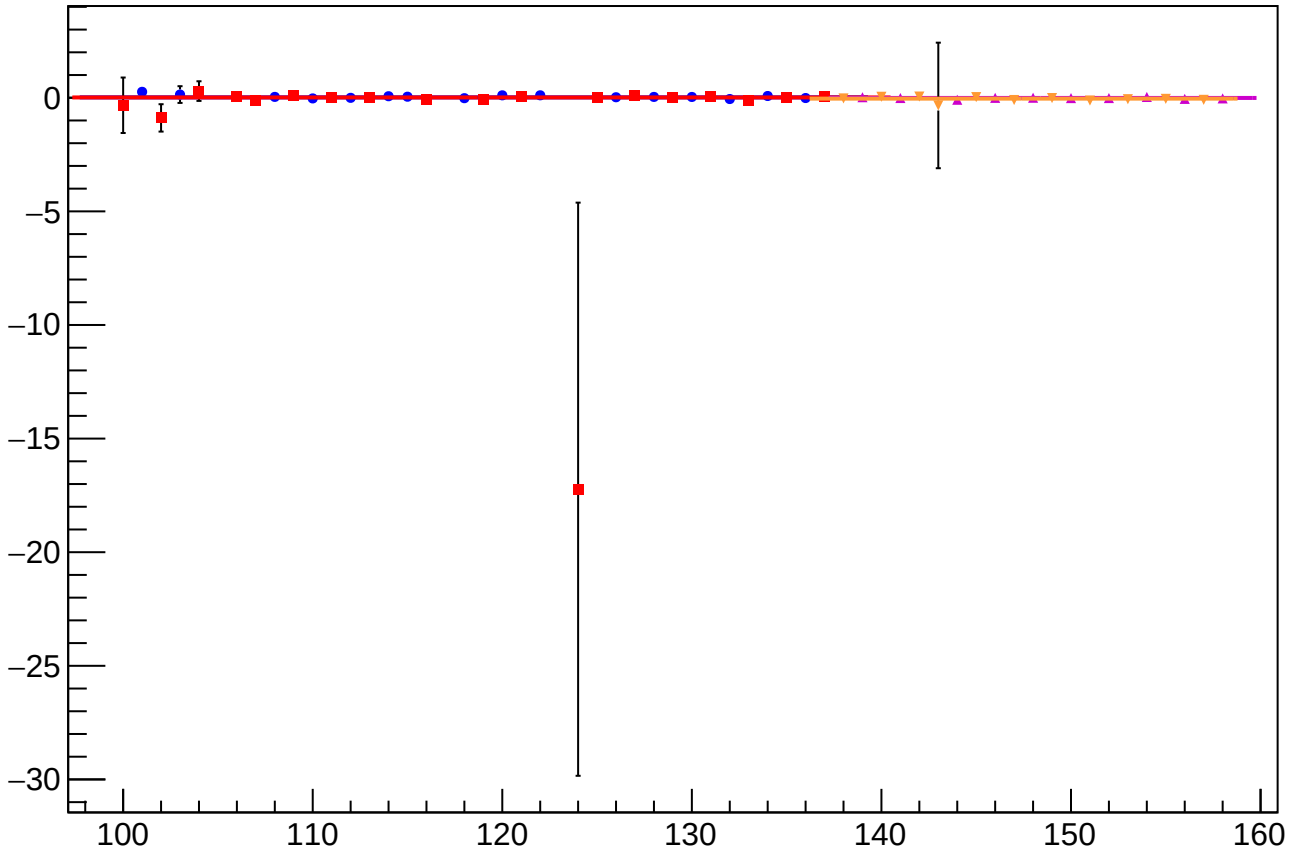
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1070875.0/9

+ sign 0.000+/-0.000 χ^2/NDF: 4933632.6/26

All: 0.000+/-0.000 χ^2/NDF: 9700529.1/55

- sign 0.000+/-0.000 χ^2/NDF: 4766618.6/28



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.039+/-0.013 χ^2/NDF:16.5/10

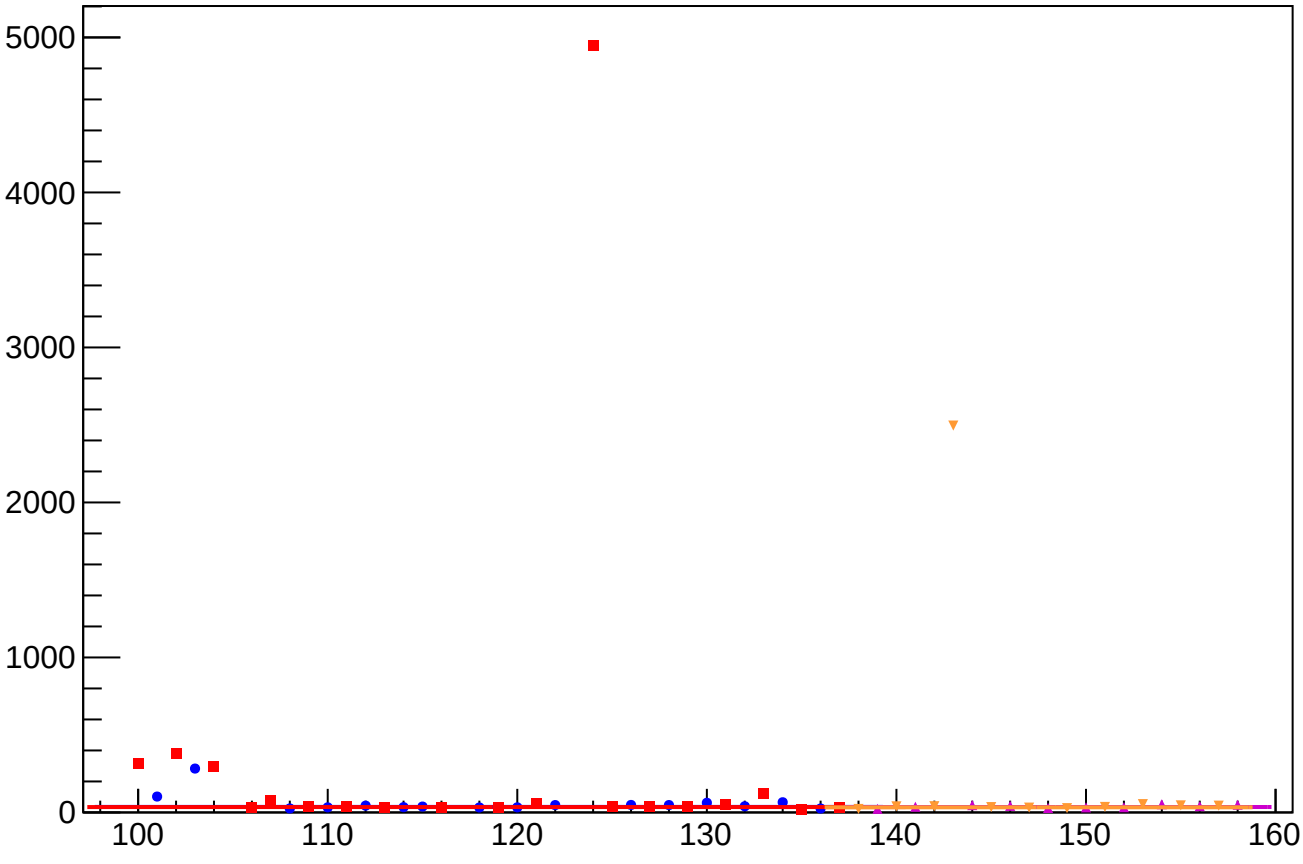
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.008+/-0.013 χ^2/NDF:5.0/9

+ sign -0.016+/-0.010 χ^2/NDF: 35.4/26

All: -0.007+/-0.007 χ^2/NDF: 59.0/55

- sign 0.001+/-0.010 χ^2/NDF: 22.2/28



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 33.247+/-0.009 χ^2/NDF:2442305.3/10

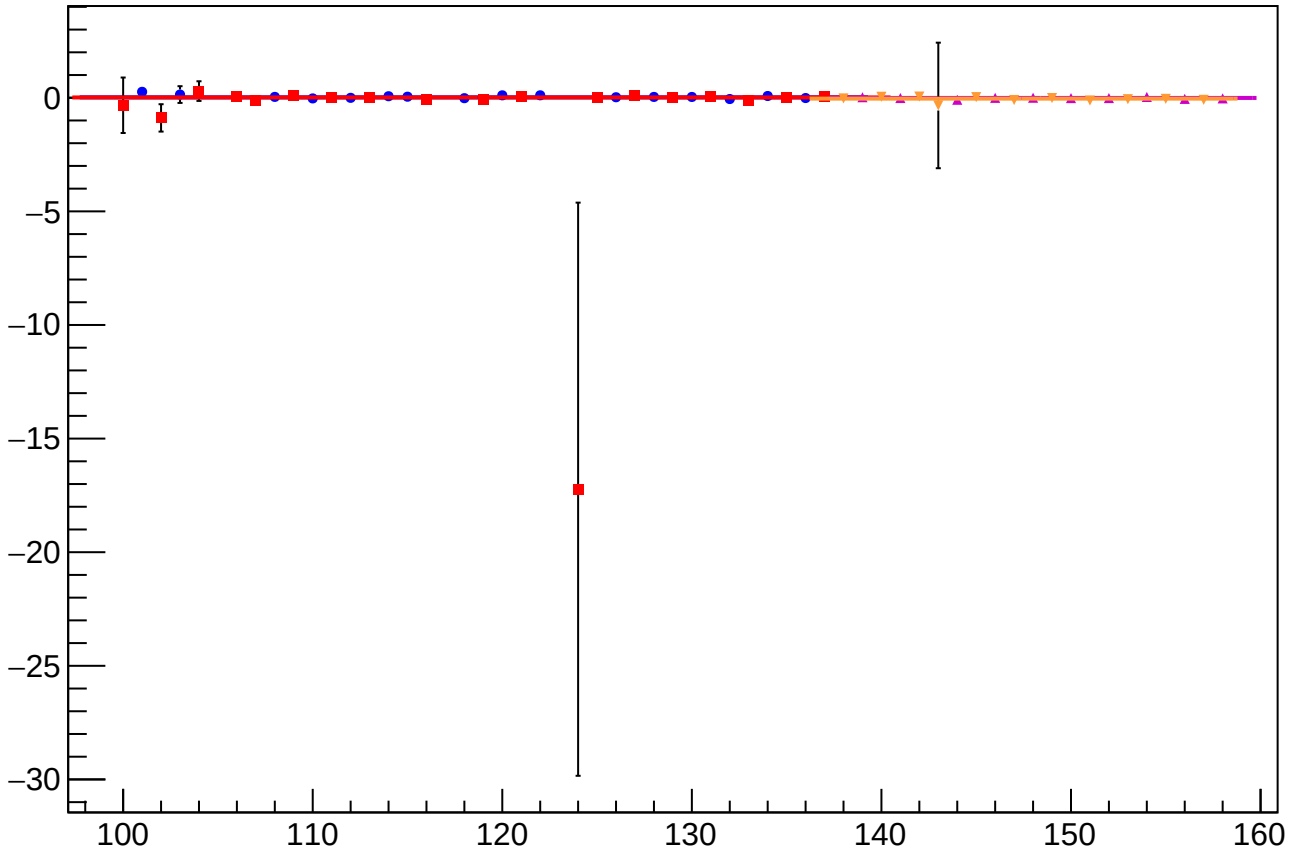
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 35.178+/-0.009 χ^2/NDF:910049.8/9

+ sign 34.286+/-0.007 χ^2/NDF: 4737523.6/26

All: 34.650+/-0.005 χ^2/NDF: 8567782.2/55

- sign 35.020+/-0.007 χ^2/NDF: 3824886.2/28



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.039+/-0.013 χ^2/NDF:16.5/10

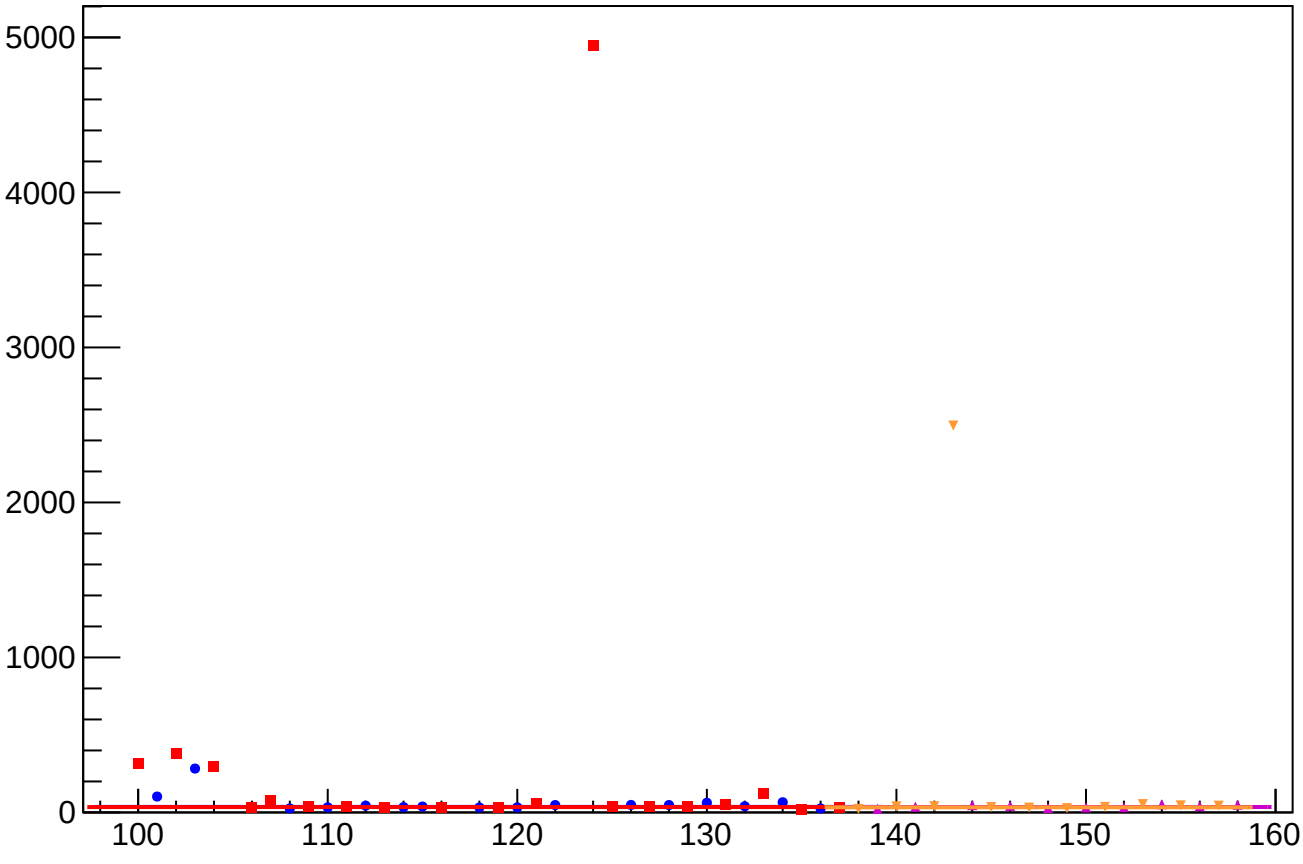
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.008+/-0.013 χ^2/NDF:5.0/9

+ sign -0.016+/-0.010 χ^2/NDF: 35.4/26

All: -0.007+/-0.007 χ^2/NDF: 59.0/55

- sign 0.001+/-0.010 χ^2/NDF: 22.2/28



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 33.247+/-0.009 χ^2/NDF:2442305.3/10

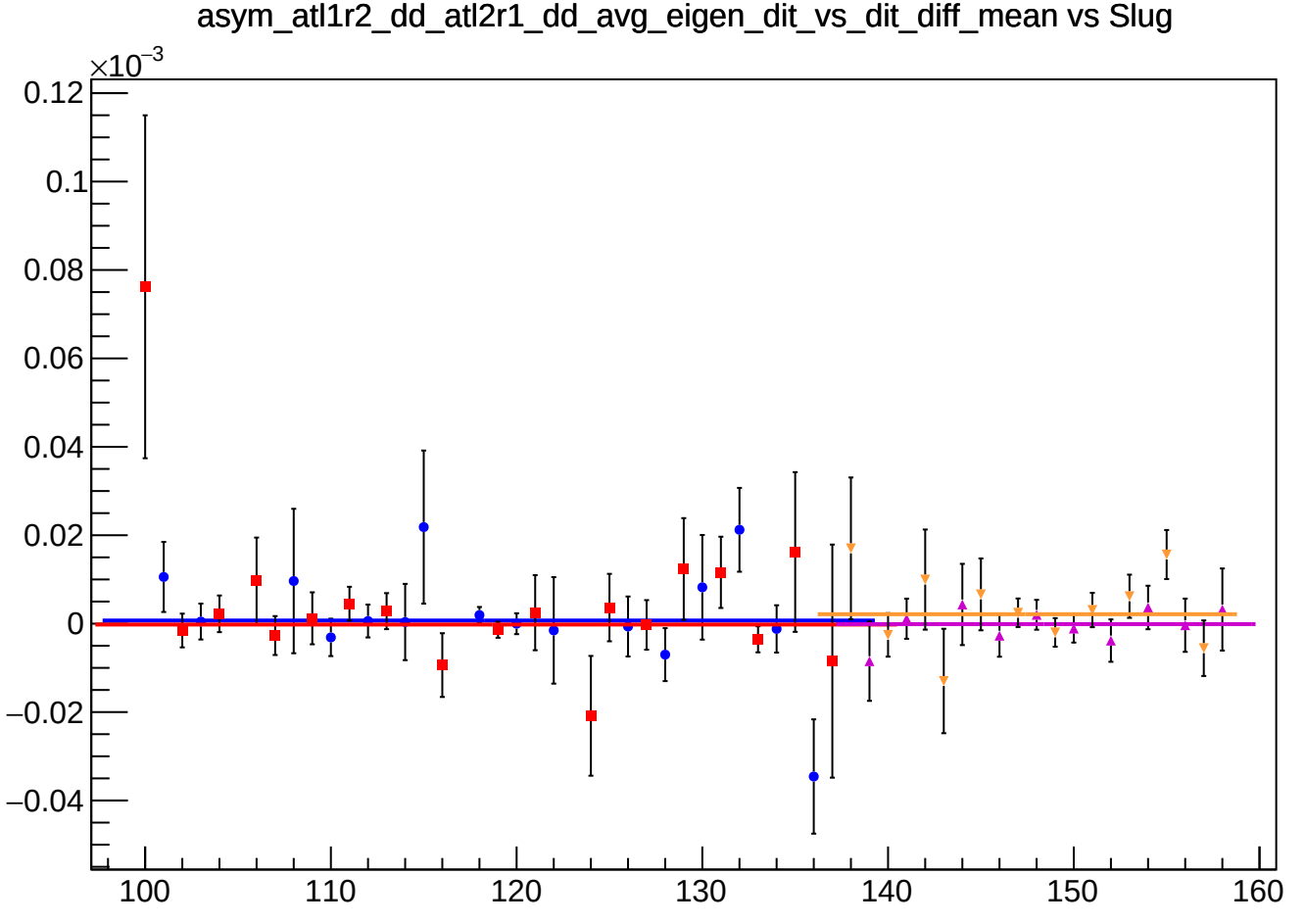
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 35.178+/-0.009 χ^2/NDF:910049.8/9

+ sign 34.286+/-0.007 χ^2/NDF: 4737523.6/26

All: 34.650+/-0.005 χ^2/NDF: 8567782.2/55

- sign 35.020+/-0.007 χ^2/NDF: 3824886.2/28



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.0/10

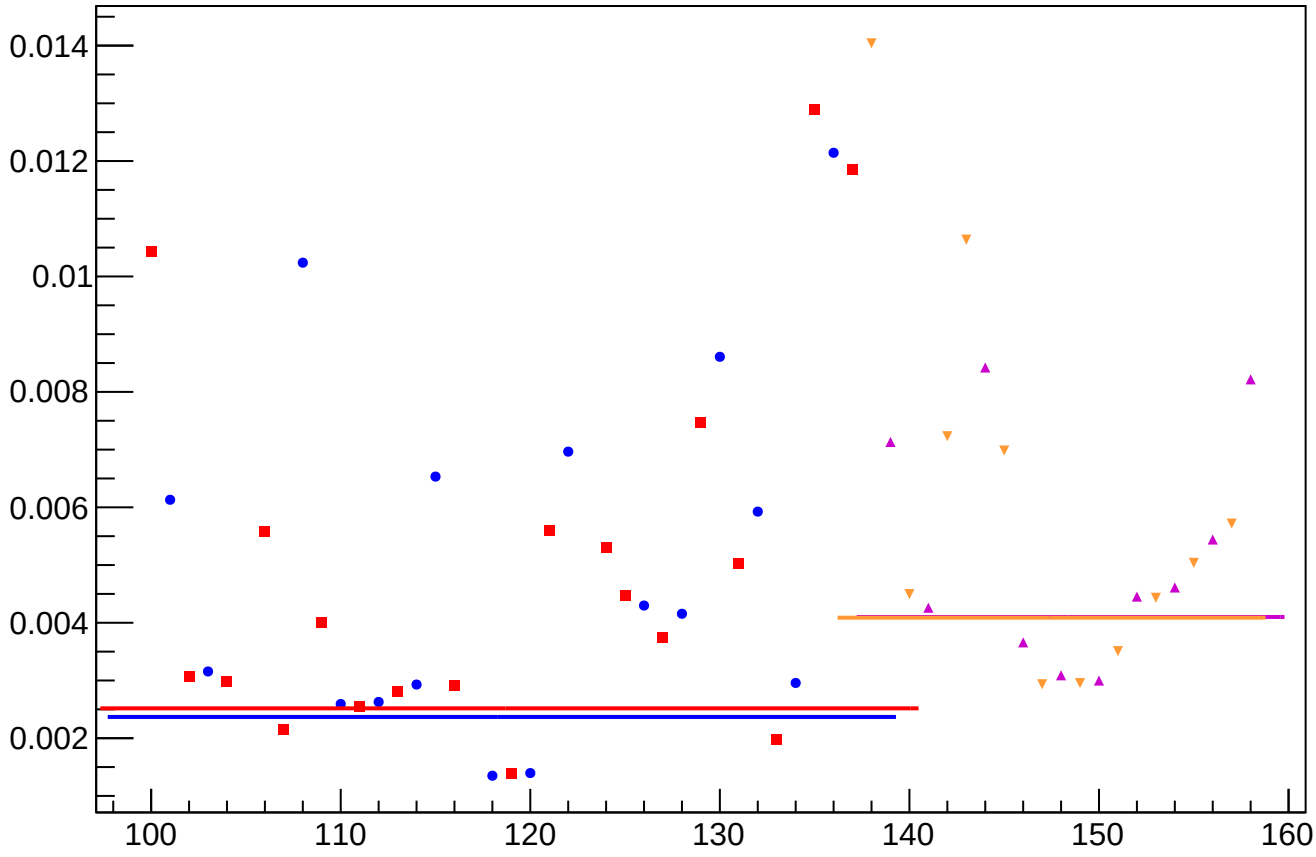
Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:3.3/9

+ sign 0.000+/-0.000 χ^2/NDF: 33.7/26

All: 0.000+/-0.000 χ^2/NDF: 56.2/55

- sign -0.000+/-0.000 χ^2/NDF: 21.4/28



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:2556670.1/10

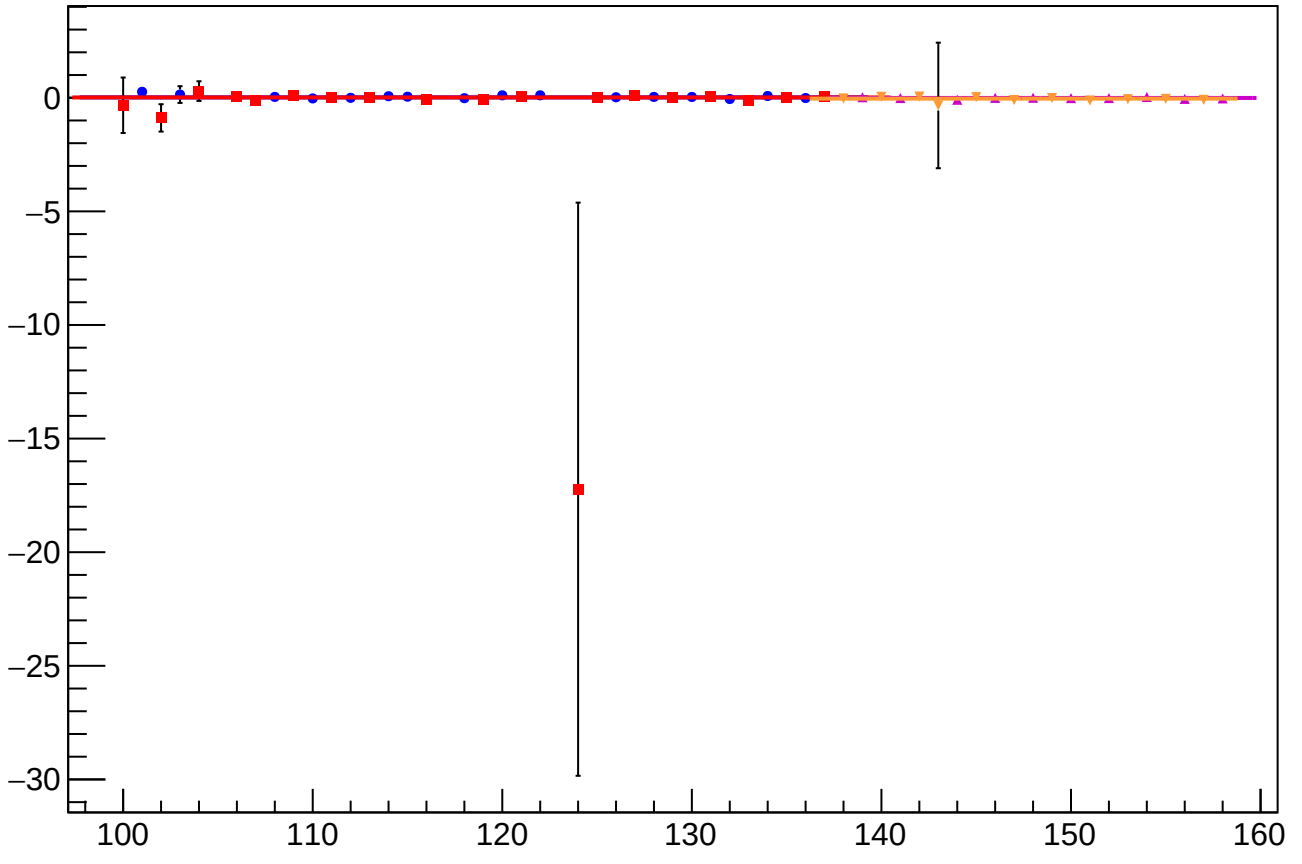
Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.004+/-0.000 χ^2/NDF:1636698.2/9

+ sign 0.003+/-0.000 χ^2/NDF: 8951782.0/26

All: 0.003+/-0.000 χ^2/NDF: 15438030.8/55

- sign 0.003+/-0.000 χ^2/NDF: 6479847.9/28



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.039+/-0.013 χ^2/NDF:16.5/10

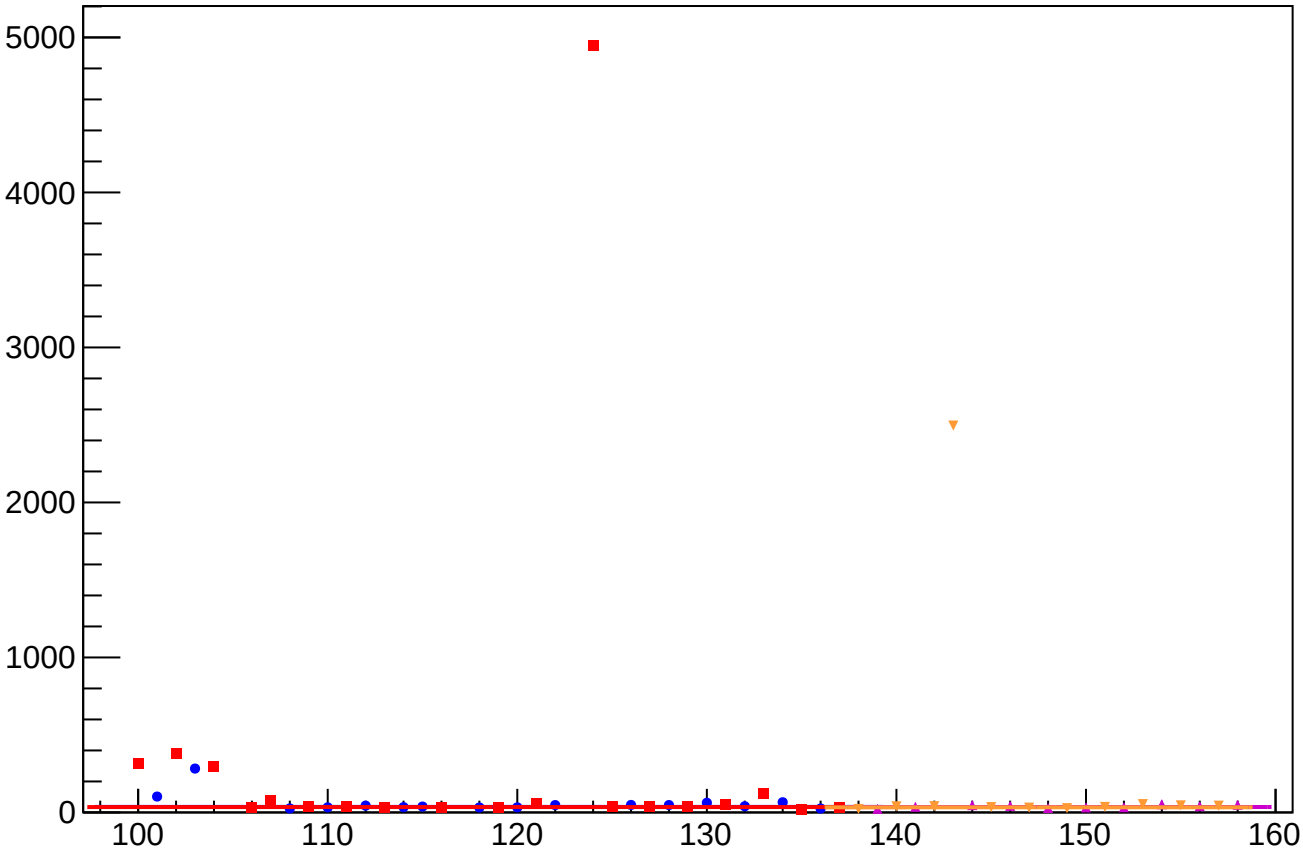
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.008+/-0.013 χ^2/NDF:5.0/9

+ sign -0.016+/-0.010 χ^2/NDF: 35.4/26

All: -0.007+/-0.007 χ^2/NDF: 59.0/55

- sign 0.001+/-0.010 χ^2/NDF: 22.2/28



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 33.247+/-0.009 χ^2/NDF:2442580.7/10

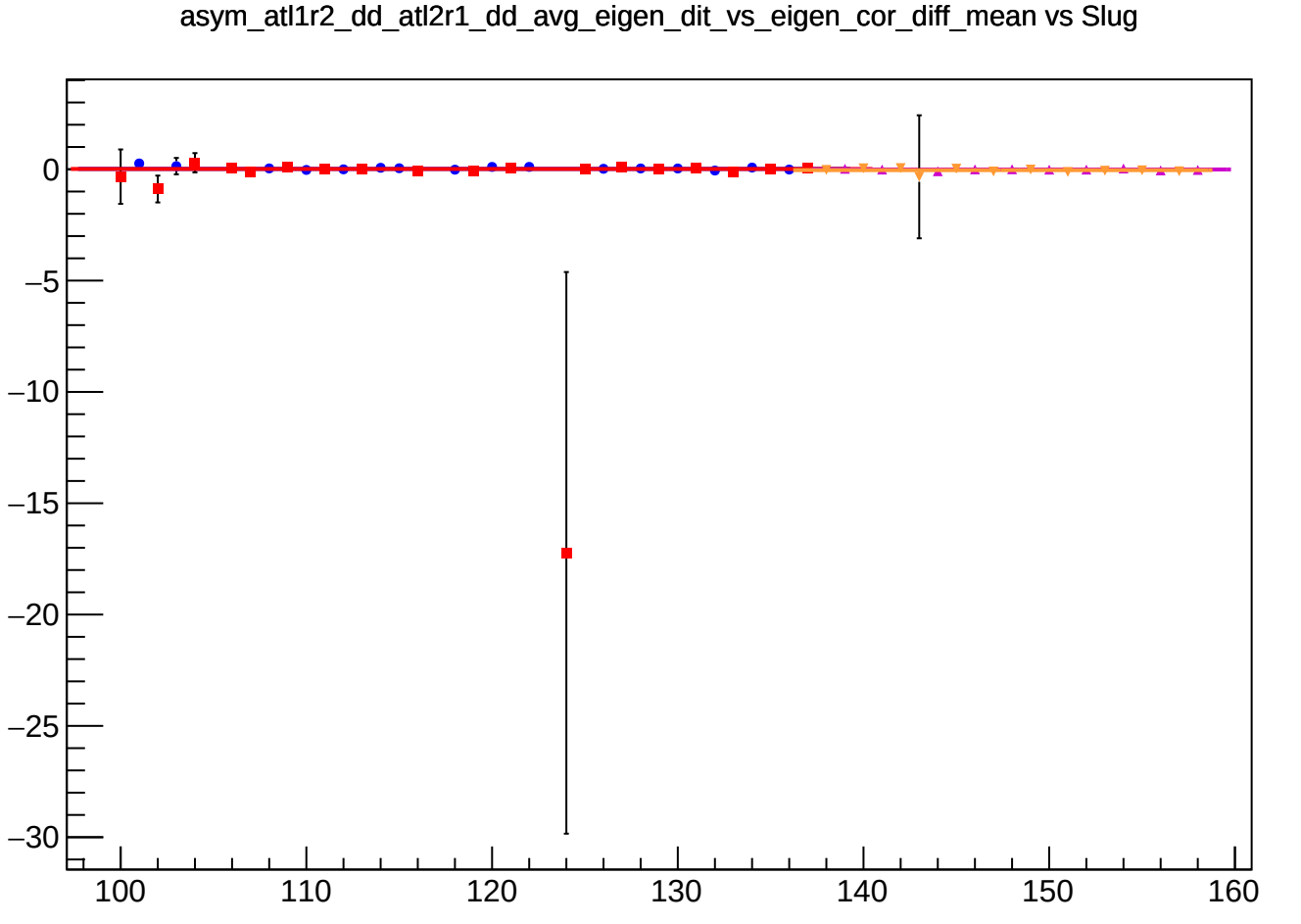
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 35.176+/-0.009 χ^2/NDF:910590.7/9

+ sign 34.287+/-0.007 χ^2/NDF: 4737560.8/26

All: 34.650+/-0.005 χ^2/NDF: 8568159.9/55

- sign 35.020+/-0.007 χ^2/NDF: 3825243.1/28



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.039+/-0.013 χ^2/NDF:16.5/10

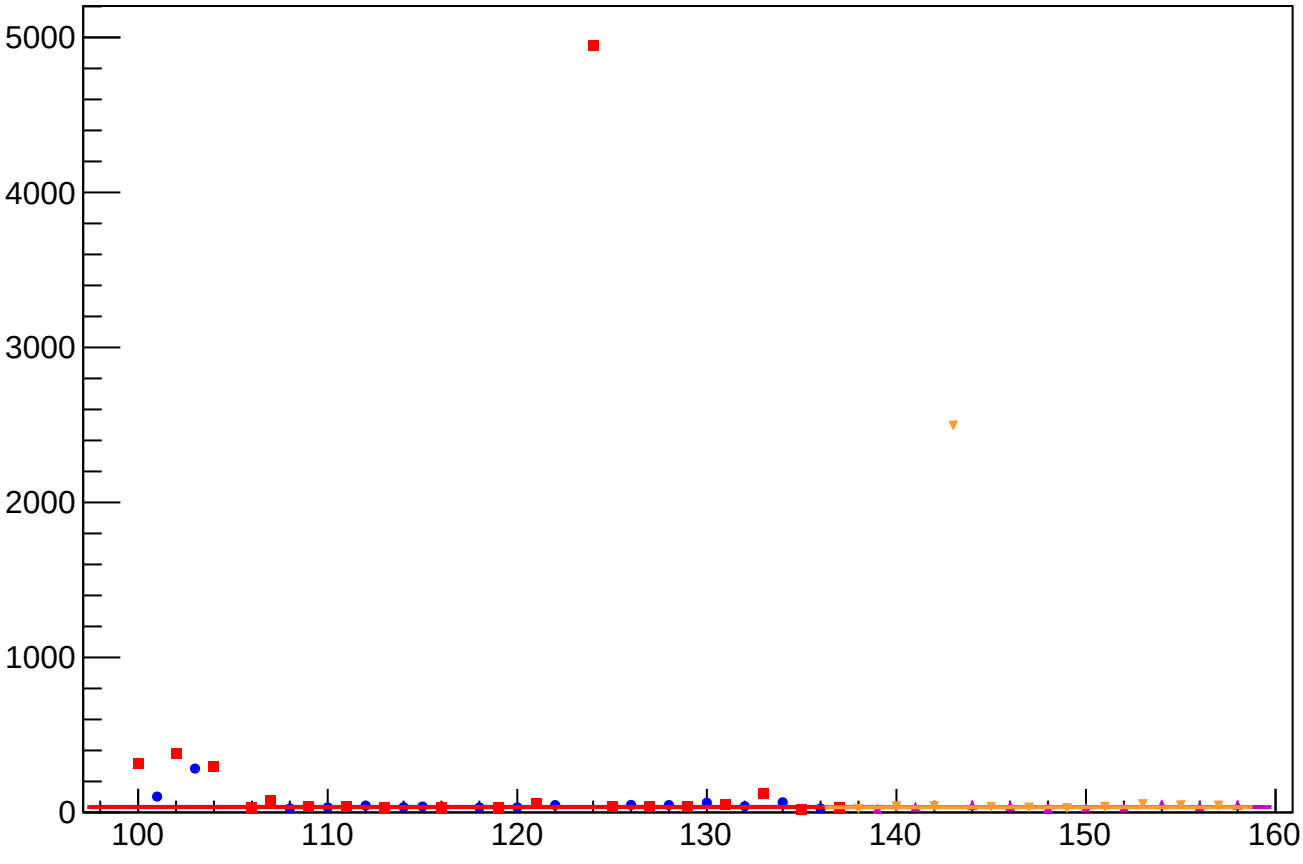
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.008+/-0.013 χ^2/NDF:5.0/9

+ sign -0.016+/-0.010 χ^2/NDF: 35.4/26

All: -0.007+/-0.007 χ^2/NDF: 59.0/55

- sign 0.001+/-0.010 χ^2/NDF: 22.2/28



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 33.247+/-0.009 χ^2/NDF:2442580.7/10

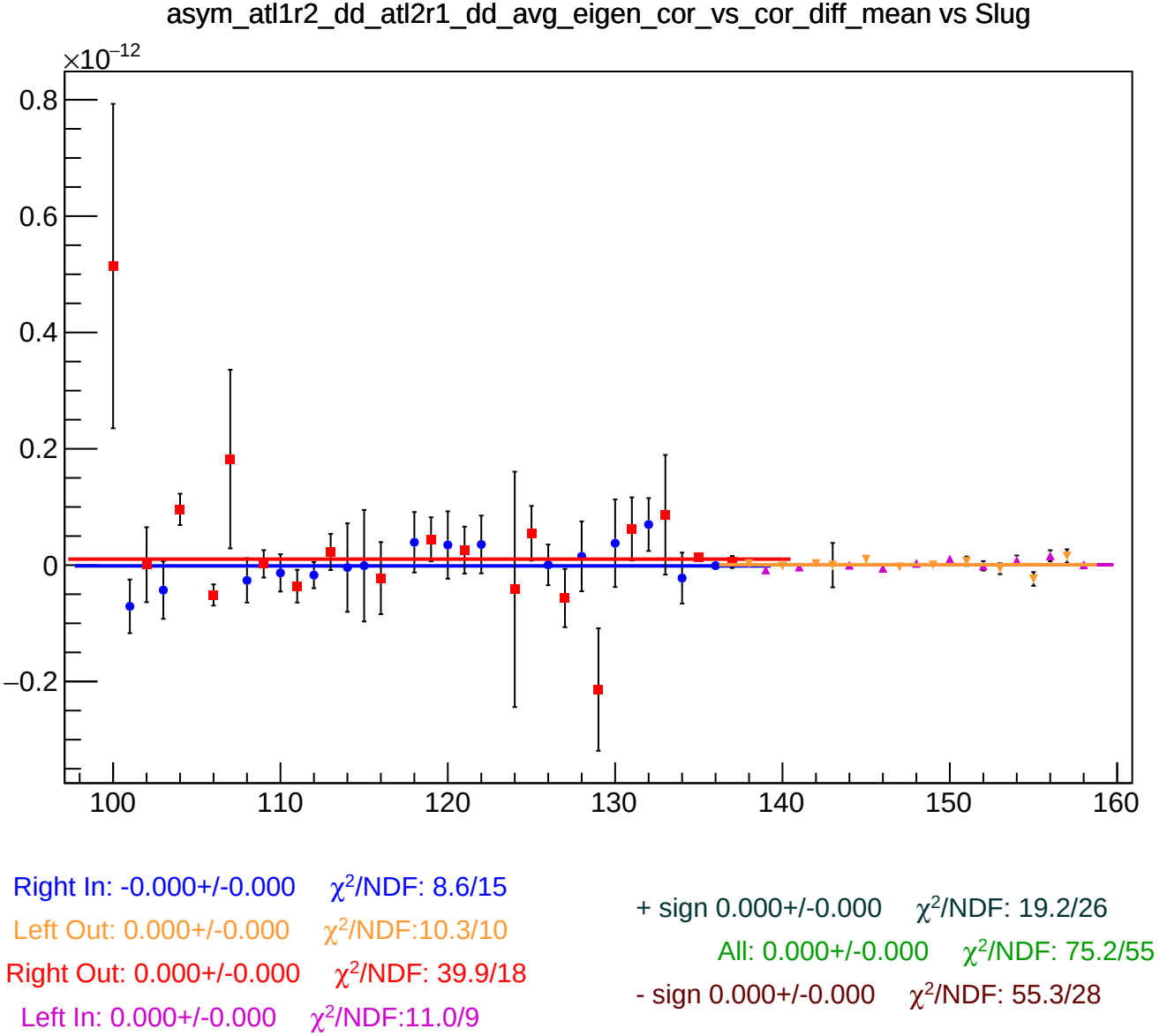
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

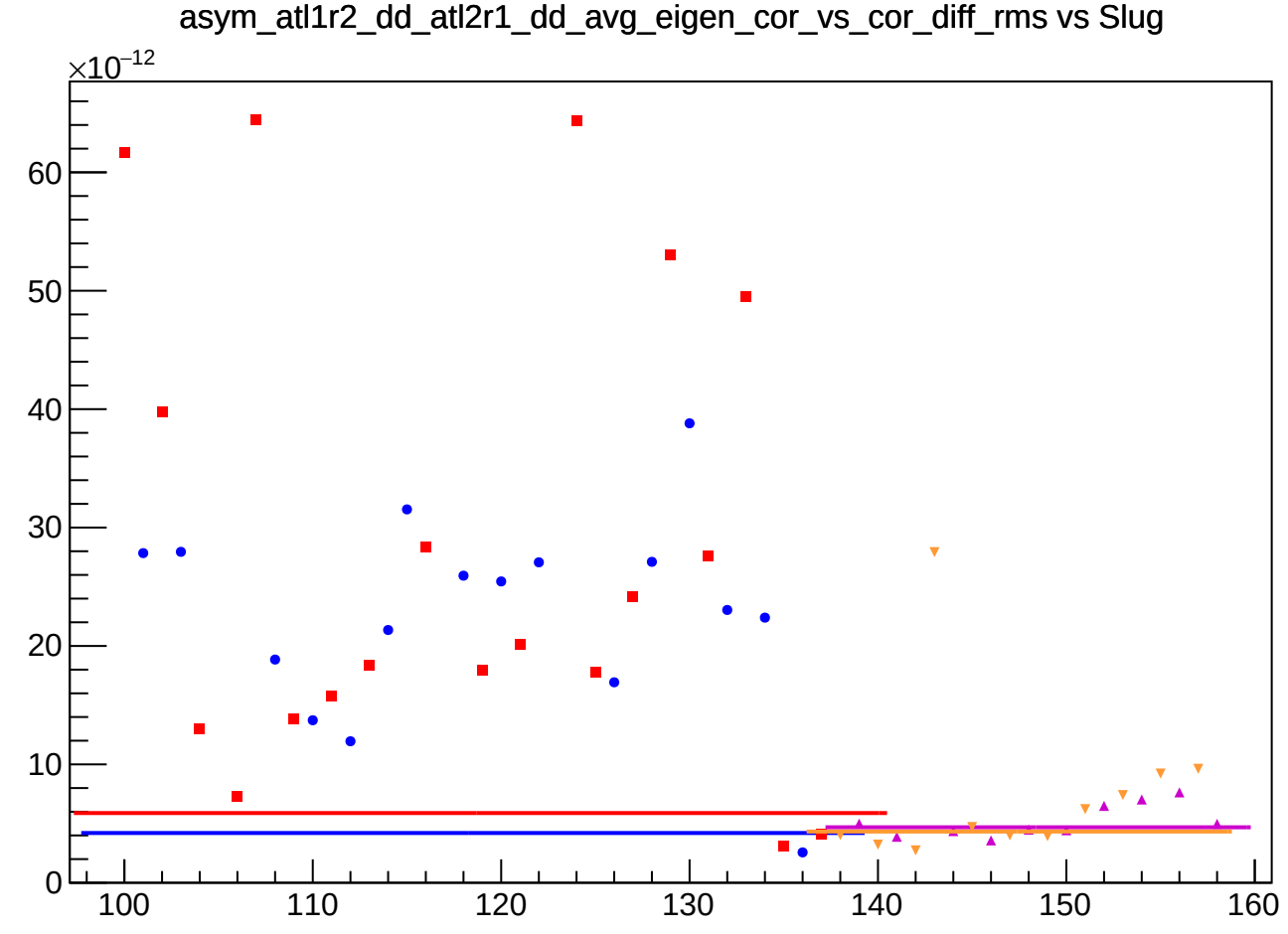
Left In: 35.176+/-0.009 χ^2/NDF:910590.7/9

+ sign 34.287+/-0.007 χ^2/NDF: 4737560.8/26

All: 34.650+/-0.005 χ^2/NDF: 8568159.9/55

- sign 35.020+/-0.007 χ^2/NDF: 3825243.1/28


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 8.6/15
Left Out: 0.000+/-0.000 χ²/NDF:10.3/10
Right Out: 0.000+/-0.000 χ²/NDF: 39.9/18
Left In: 0.000+/-0.000 χ²/NDF:11.0/9
+ sign 0.000+/-0.000 χ²/NDF: 19.2/26
All: 0.000+/-0.000 χ²/NDF: 75.2/55
- sign 0.000+/-0.000 χ²/NDF: 55.3/28



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2223274.4/10

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

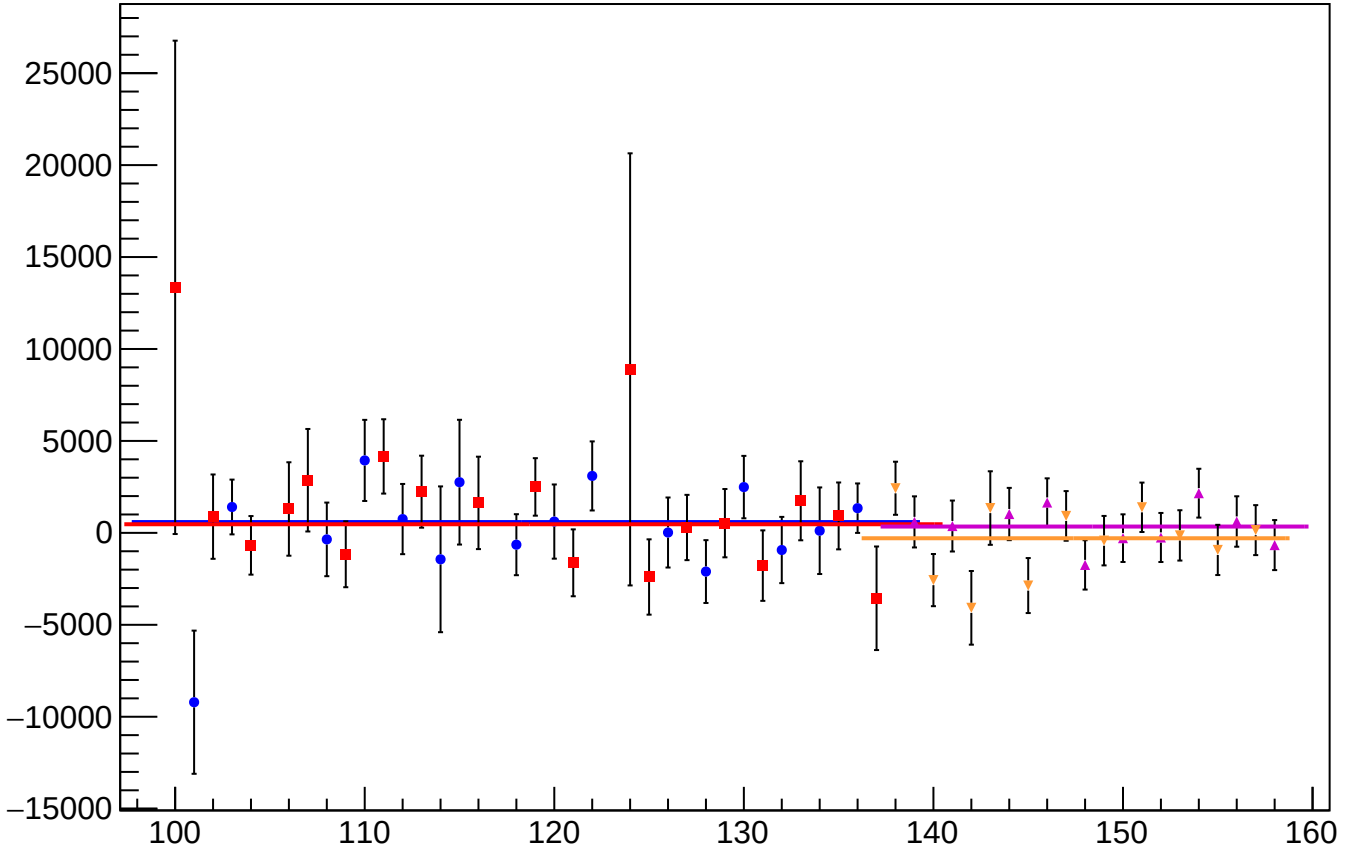
Left In: 0.000+/-0.000 χ^2/NDF:634805.2/9

+ sign 0.000+/-0.000 χ^2/NDF: 7305477.2/26

All: 0.000+/-0.000 χ^2/NDF: 13060814.9/55

- sign 0.000+/-0.000 χ^2/NDF: 5632521.1/28

reg_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -292.982+/-438.941 χ^2/NDF:16.0/10

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

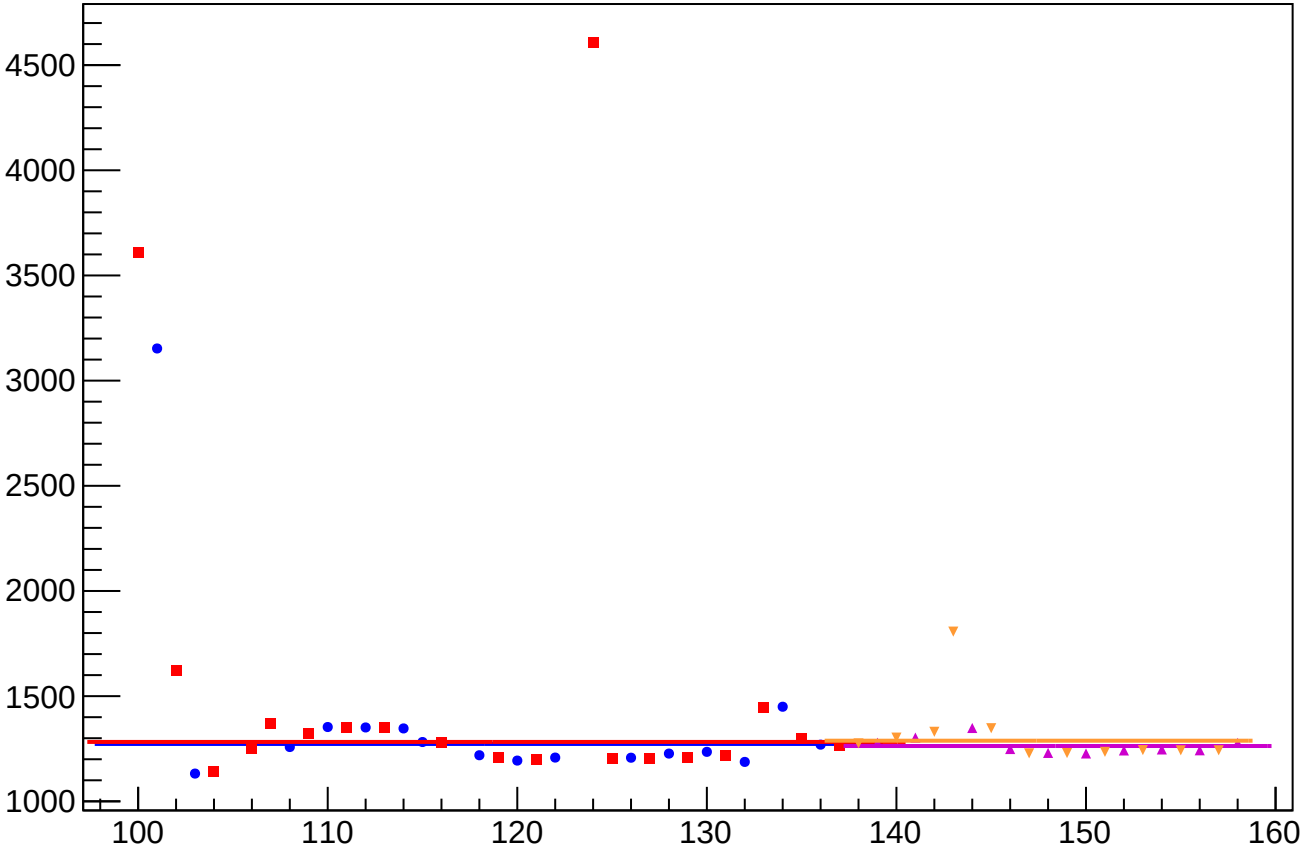
Left In: 343.703+/-427.742 χ^2/NDF:6.6/9

+ sign 105.533+/-324.668 χ^2/NDF: 34.9/26

All: 254.675+/-227.724 χ^2/NDF: 58.8/55

- sign 399.101+/-319.495 χ^2/NDF: 23.5/28

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1288.230+/-0.310 χ^2/NDF:156380.0/10

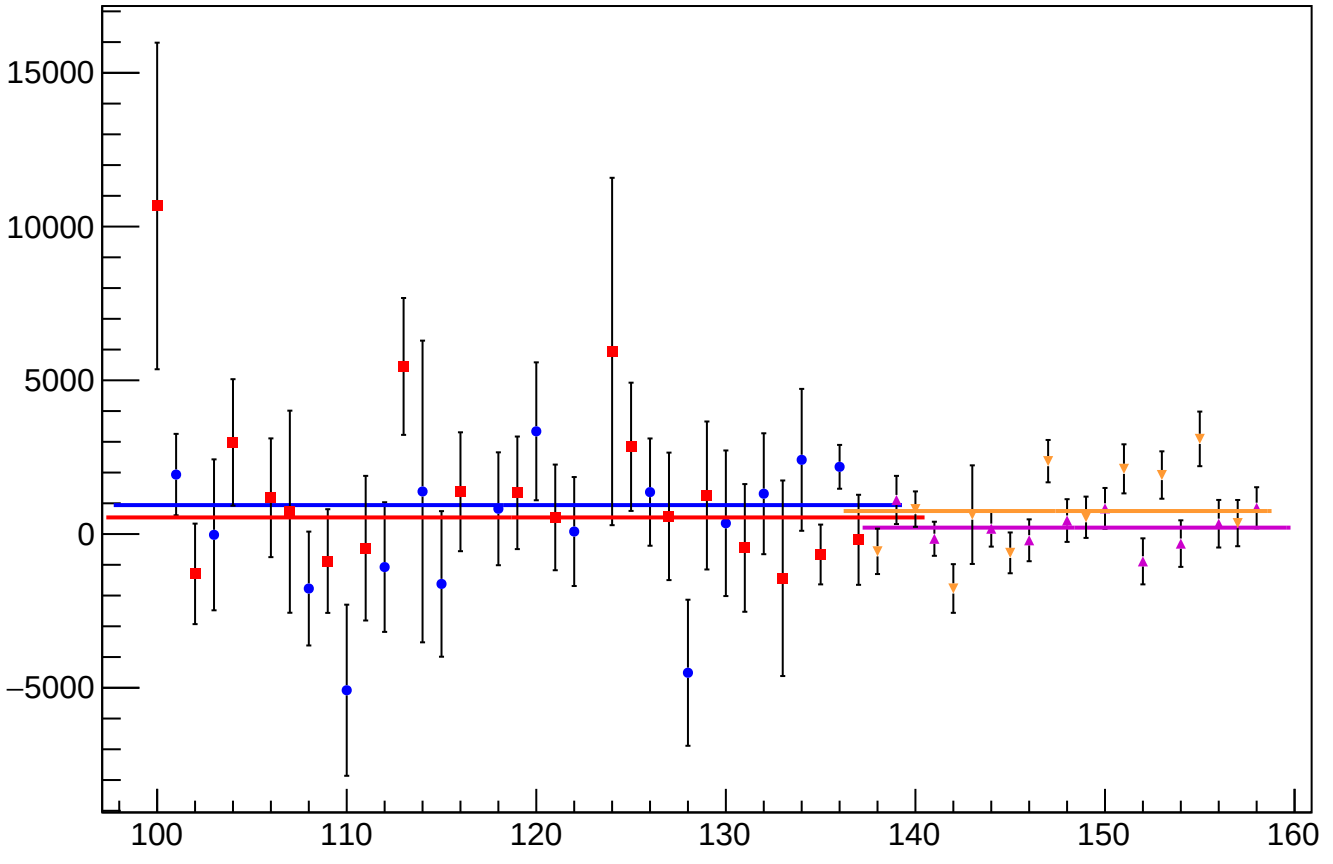
Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1262.964+/-0.302 χ^2/NDF:13617.6/9

+ sign 1281.244+/-0.230 χ^2/NDF: 676796.9/26

All: 1276.315+/-0.161 χ^2/NDF: 1015219.4/55

- sign 1271.541+/-0.226 χ^2/NDF: 337515.1/28



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 748.783+/-225.229 χ^2/NDF:35.7/10

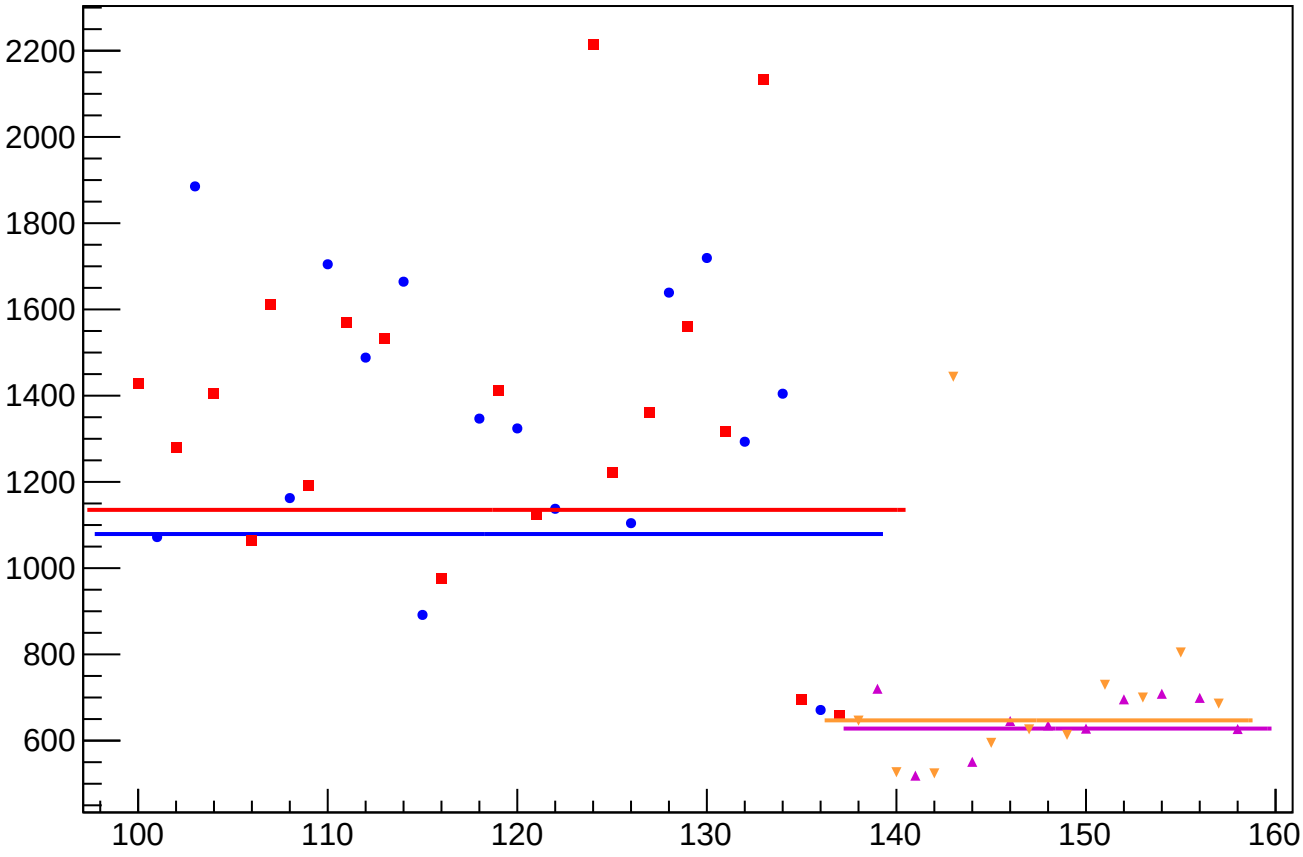
Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: 208.554+/-214.349 χ^2/NDF:6.7/9

\+ sign 790.967+/-199.096 χ^2/NDF: 55.7/26

All: 523.140+/-138.462 χ^2/NDF: 83.6/55

\- sign 272.268+/-192.691 χ^2/NDF: 24.3/28



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 646.986+/-0.159 χ^2/NDF:747493.9/10

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

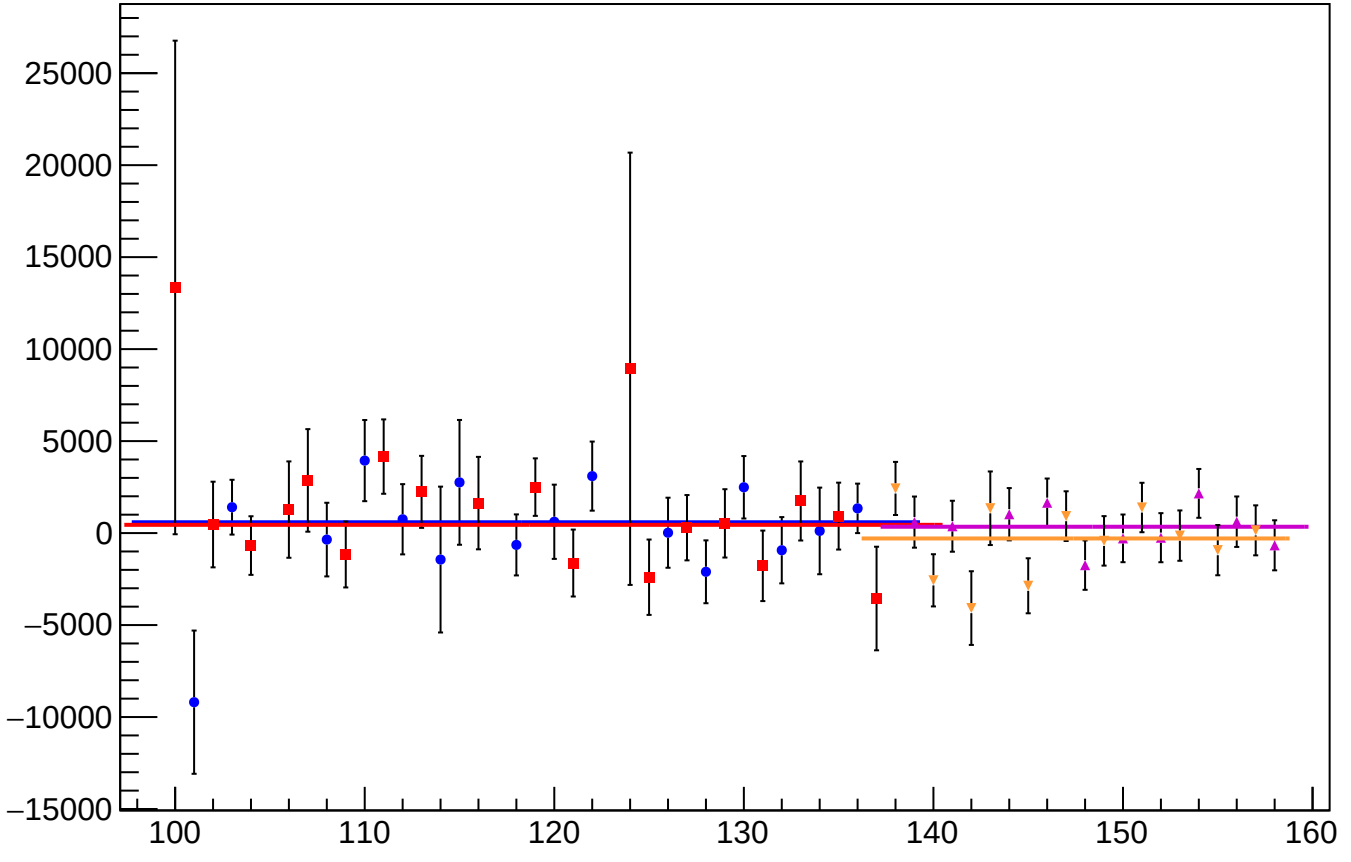
Left In: 627.946+/-0.152 χ^2/NDF:198007.2/9

+ sign 741.448+/-0.141 χ^2/NDF: 3839095.8/26

All: 733.092+/-0.098 χ^2/NDF: 7485717.0/55

- sign 725.265+/-0.136 χ^2/NDF: 3639798.4/28

cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -293.117+/-438.941 χ^2/NDF:16.0/10

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

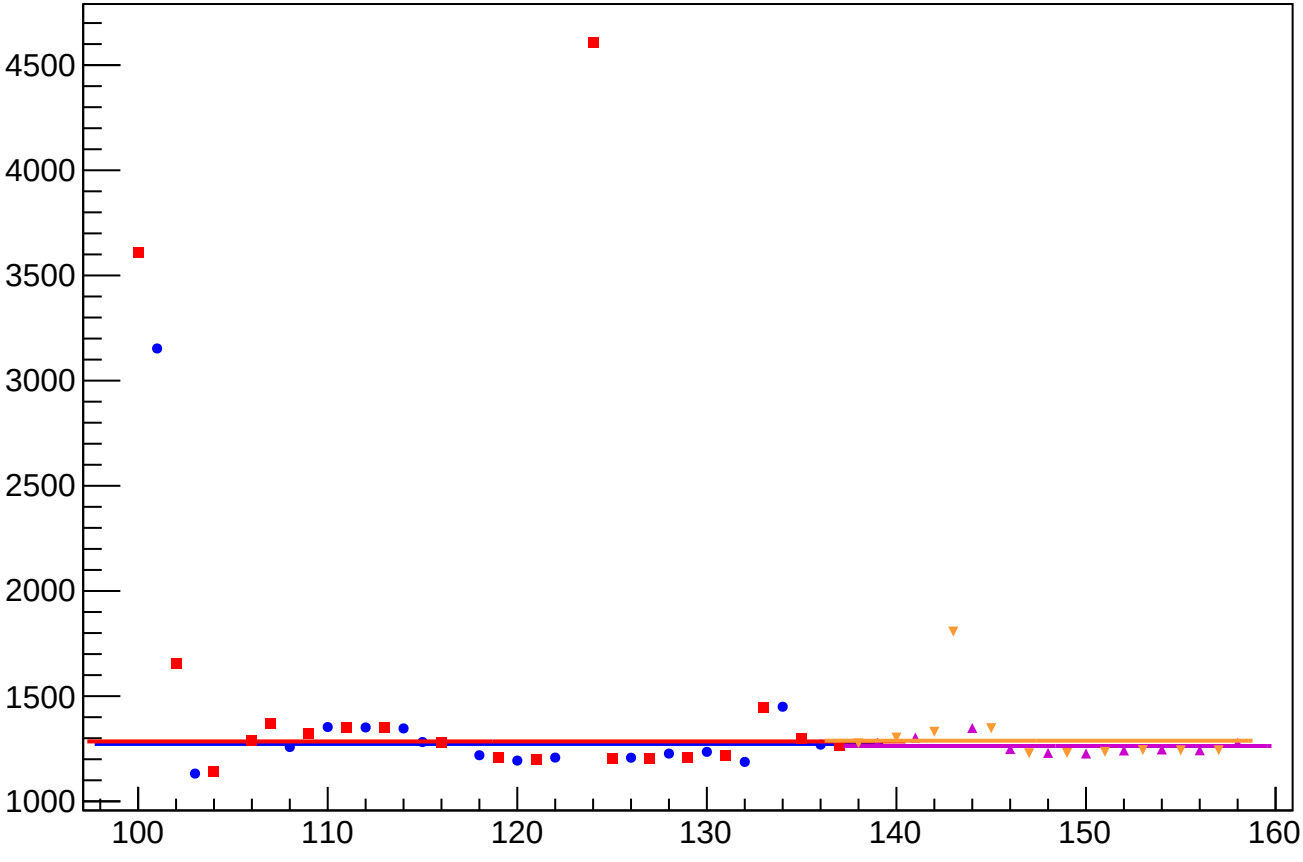
Left In: 343.688+/-427.742 χ^2/NDF:6.6/9

\+ sign 105.604+/-324.668 χ^2/NDF: 34.9/26

All: 249.927+/-227.811 χ^2/NDF: 58.7/55

\- sign 389.898+/-319.735 χ^2/NDF: 23.4/28

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1288.230+/-0.310 χ^2/NDF:156380.0/10

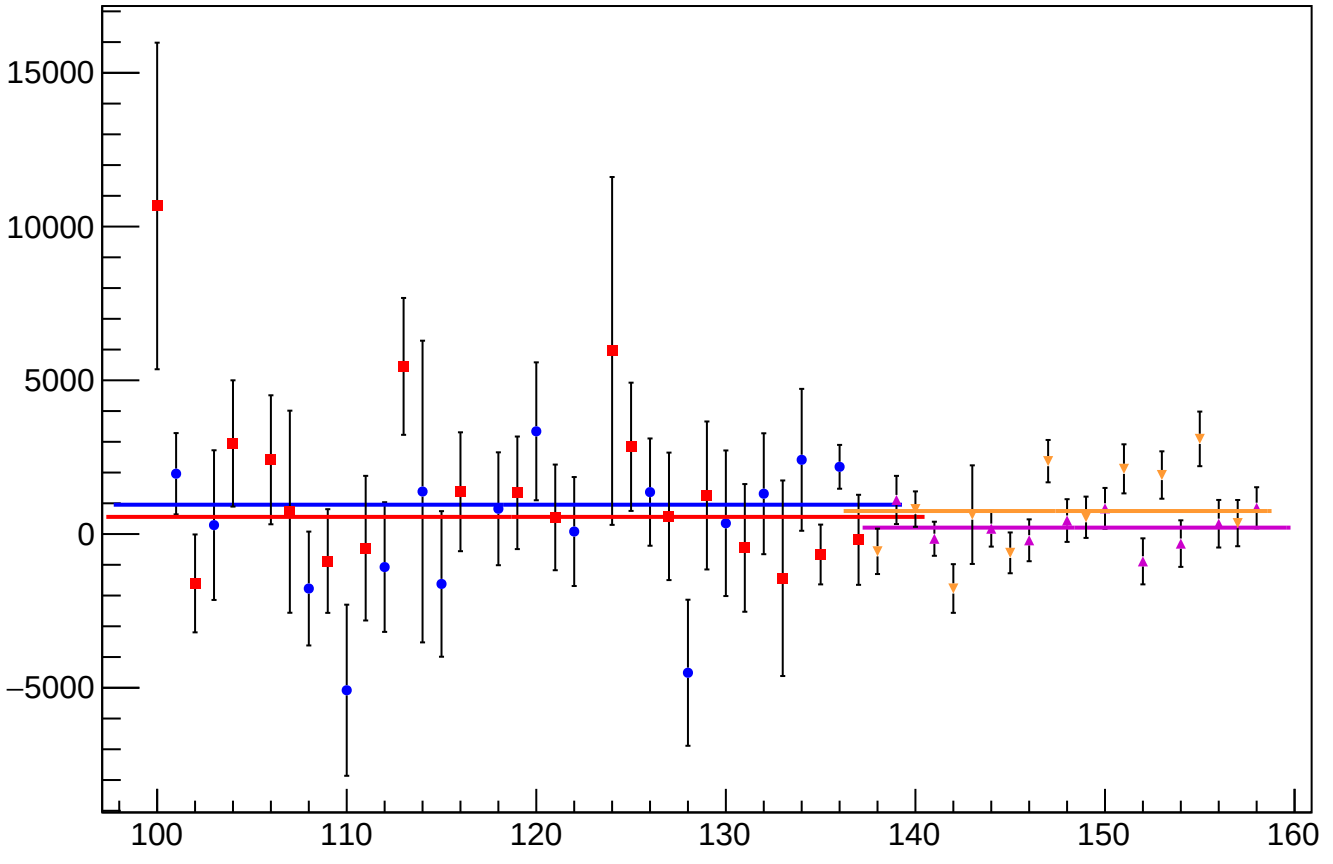
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1262.964+/-0.302 χ^2/NDF:13617.6/9

+ sign 1281.244+/-0.230 χ^2/NDF: 676798.3/26

All: 1276.823+/-0.161 χ^2/NDF: 1022150.5/55

- sign 1272.535+/-0.226 χ^2/NDF: 344621.7/28



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 748.730+/-225.231 χ^2/NDF:35.7/10

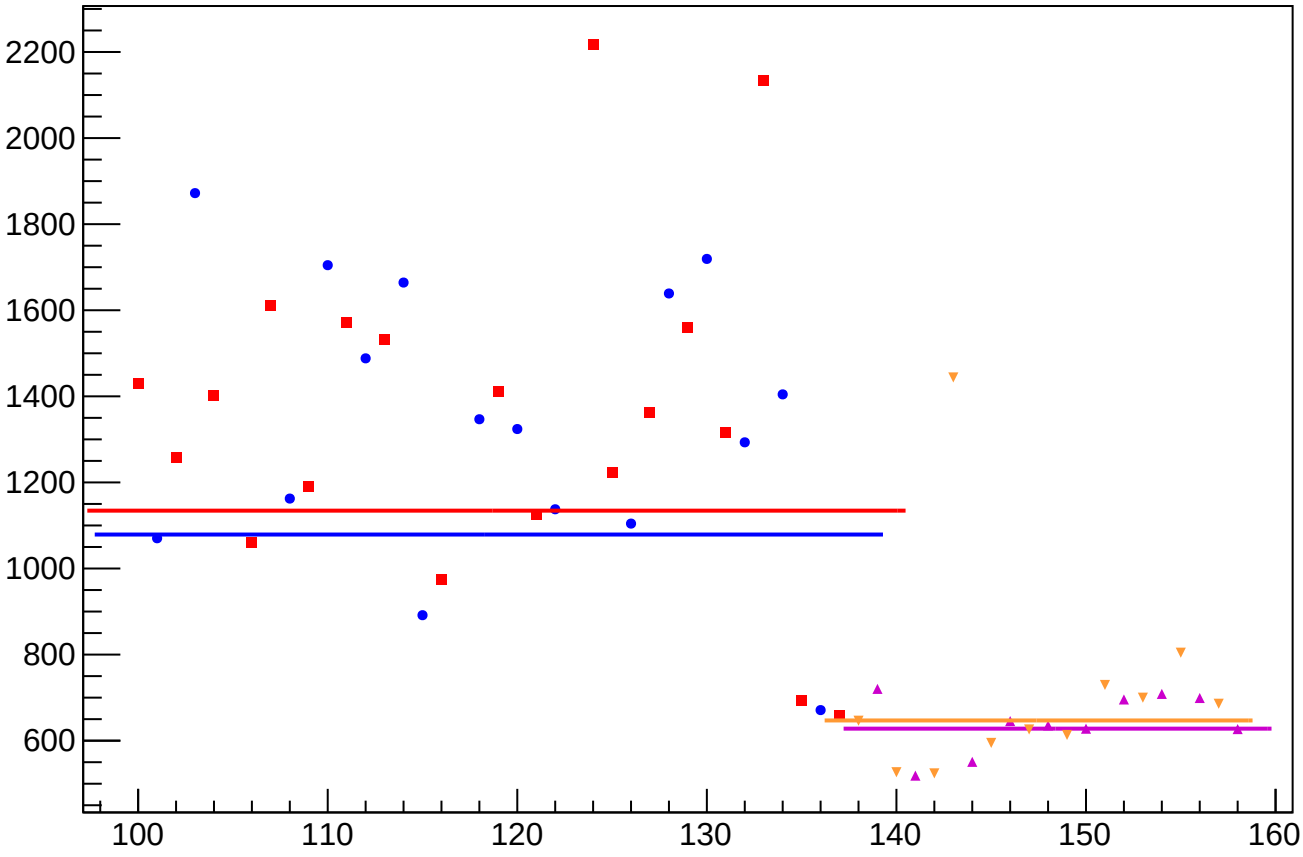
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 208.524+/-214.348 χ^2/NDF:6.7/9

\+ sign 793.662+/-199.079 χ^2/NDF: 55.7/26

All: 526.155+/-138.483 χ^2/NDF: 84.8/55

\- sign 275.355+/-192.762 χ^2/NDF: 25.6/28



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 646.994+/-0.159 χ^2/NDF:747398.9/10

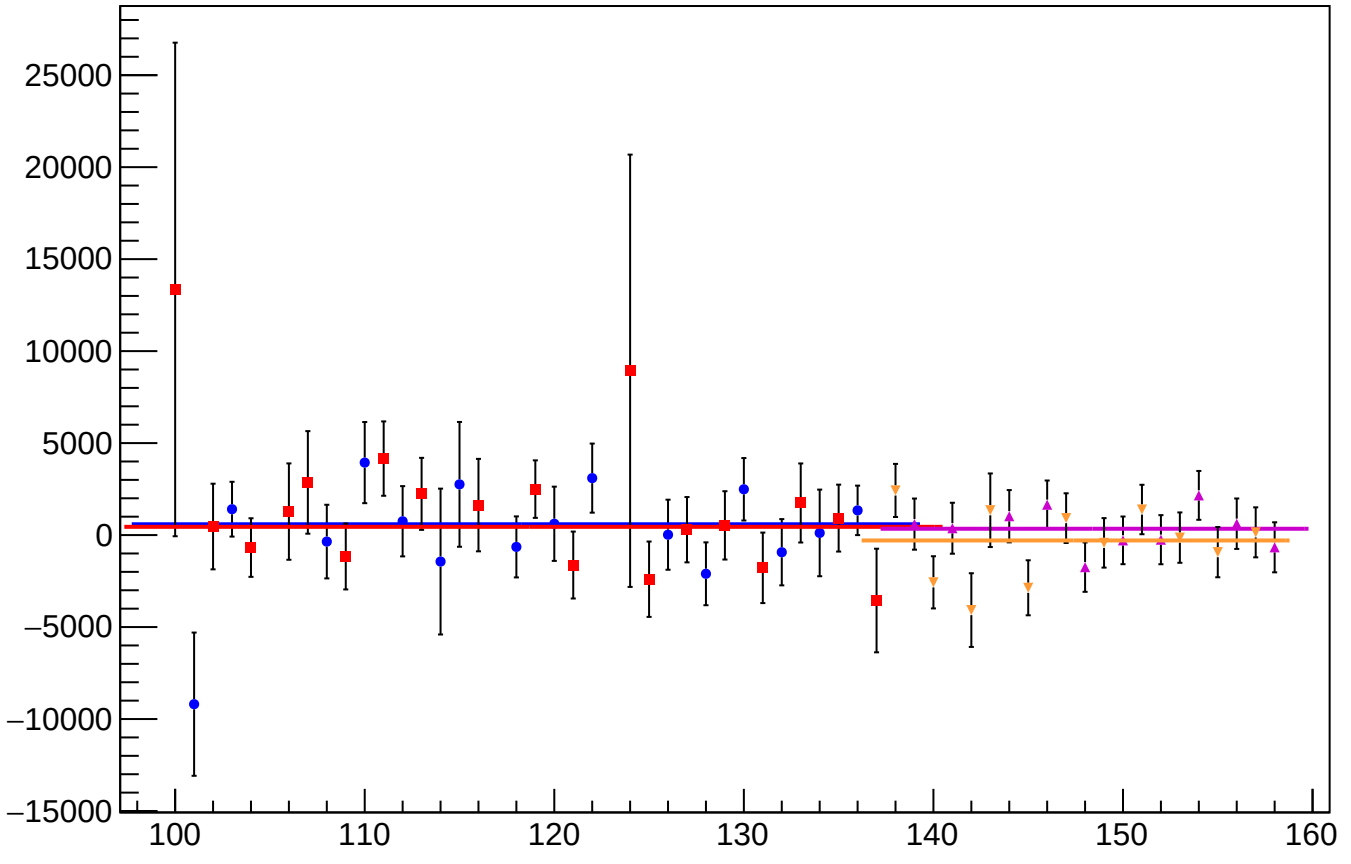
Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 627.943+/-0.152 χ^2/NDF:198032.1/9

+ sign 741.475+/-0.141 χ^2/NDF: 3835071.1/26

All: 732.878+/-0.098 χ^2/NDF: 7465065.2/55

- sign 724.817+/-0.136 χ^2/NDF: 3622766.9/28



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -293.117+/-438.941 χ^2/NDF:16.0/10

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

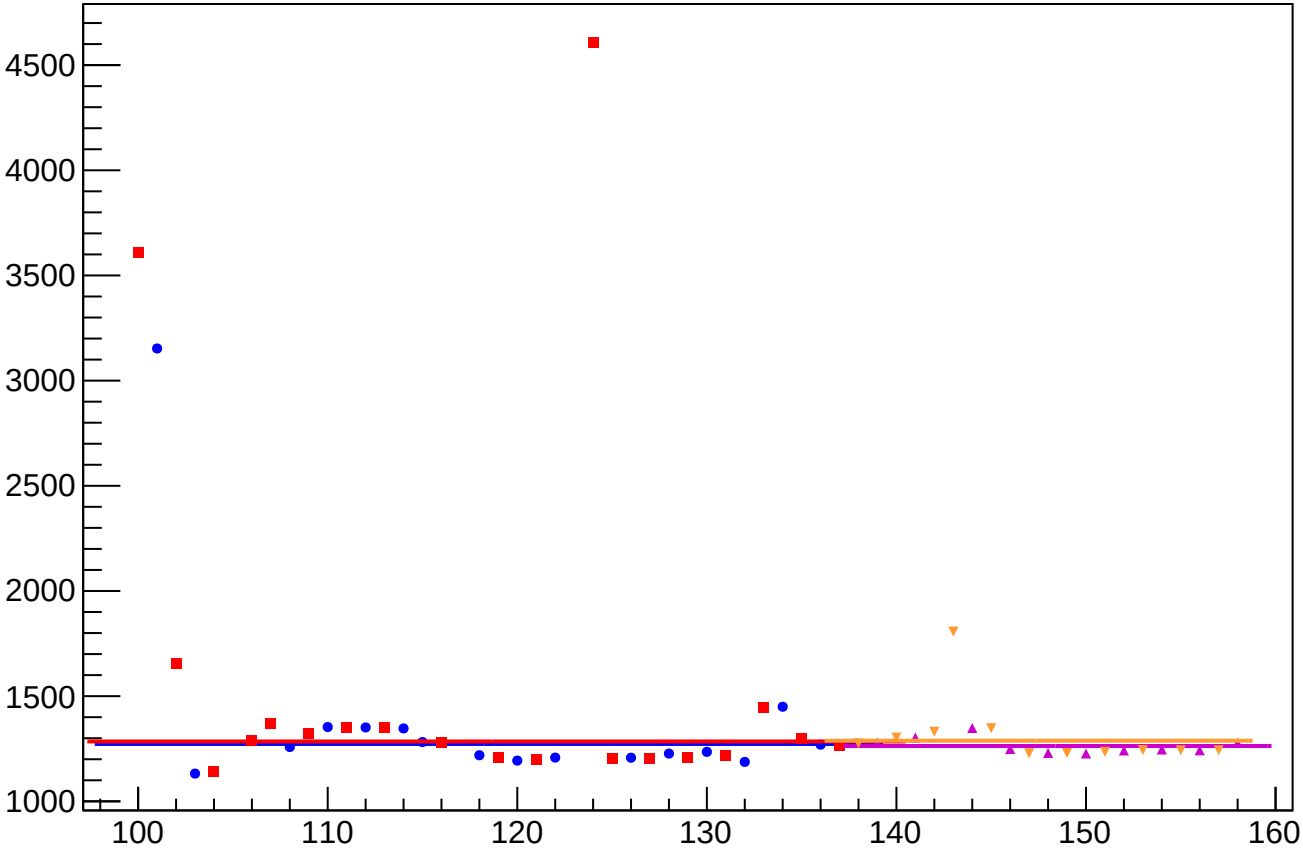
Left In: 343.688+/-427.742 χ^2/NDF:6.6/9

\+ sign 105.604+/-324.668 χ^2/NDF: 34.9/26

All: 249.927+/-227.811 χ^2/NDF: 58.7/55

\- sign 389.898+/-319.735 χ^2/NDF: 23.4/28

eigen_cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1288.230+/-0.310 χ^2/NDF:156380.0/10

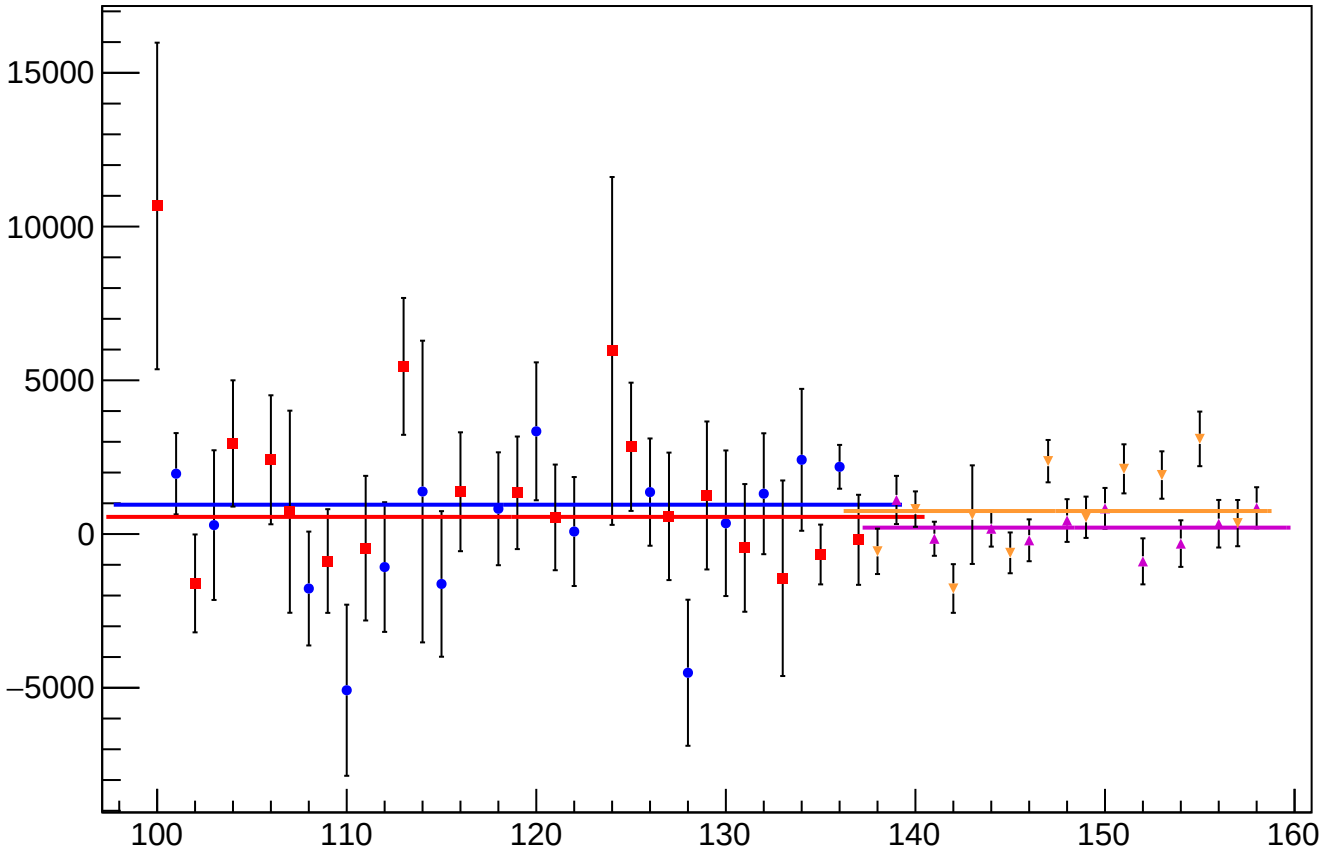
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1262.964+/-0.302 χ^2/NDF:13617.6/9

+ sign 1281.244+/-0.230 χ^2/NDF: 676798.3/26

All: 1276.823+/-0.161 χ^2/NDF: 1022150.5/55

- sign 1272.535+/-0.226 χ^2/NDF: 344621.7/28



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 748.730+/-225.231 χ^2/NDF:35.7/10

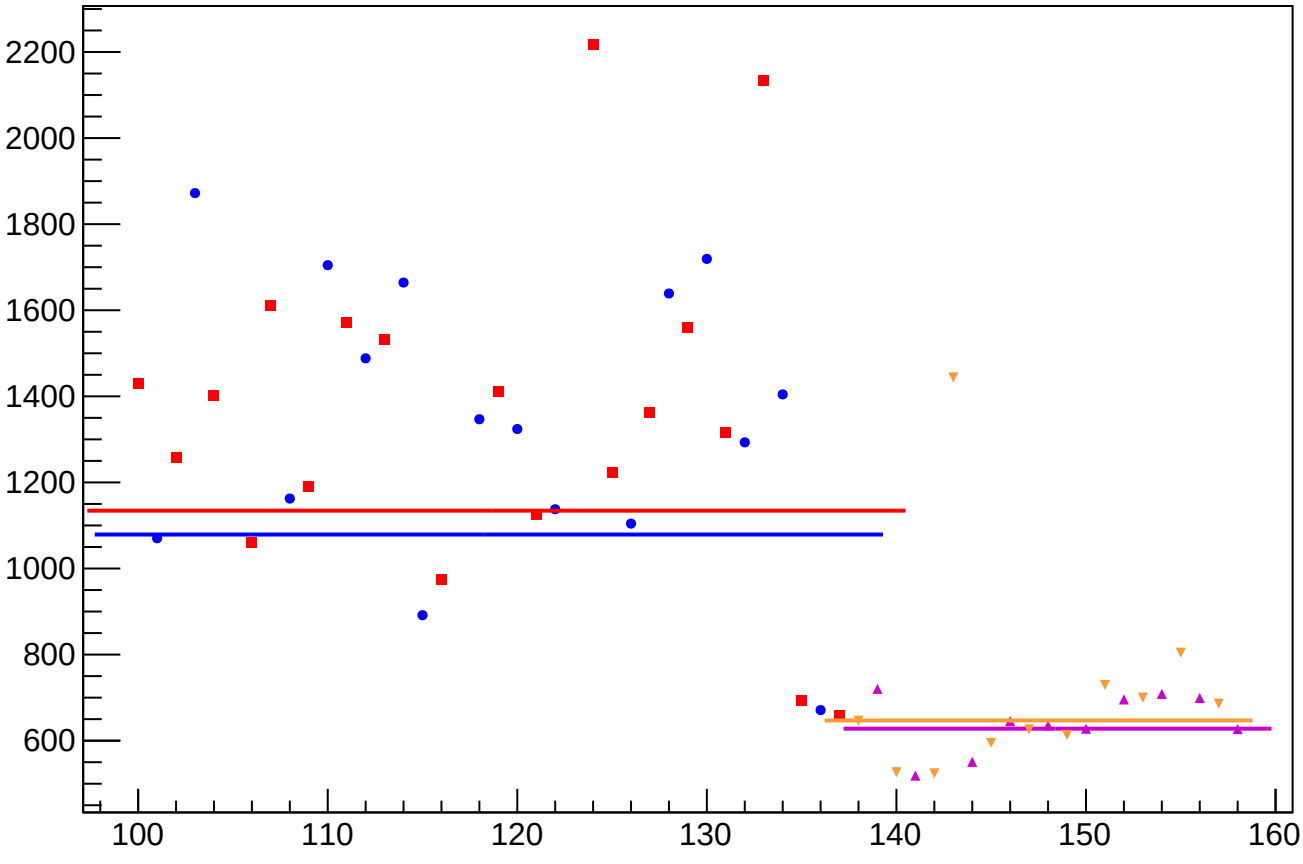
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 208.524+/-214.348 χ^2/NDF:6.7/9

\+ sign 793.662+/-199.079 χ^2/NDF: 55.7/26

All: 526.155+/-138.483 χ^2/NDF: 84.8/55

\- sign 275.355+/-192.762 χ^2/NDF: 25.6/28



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 646.994+/-0.159 χ^2/NDF:747398.9/10

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

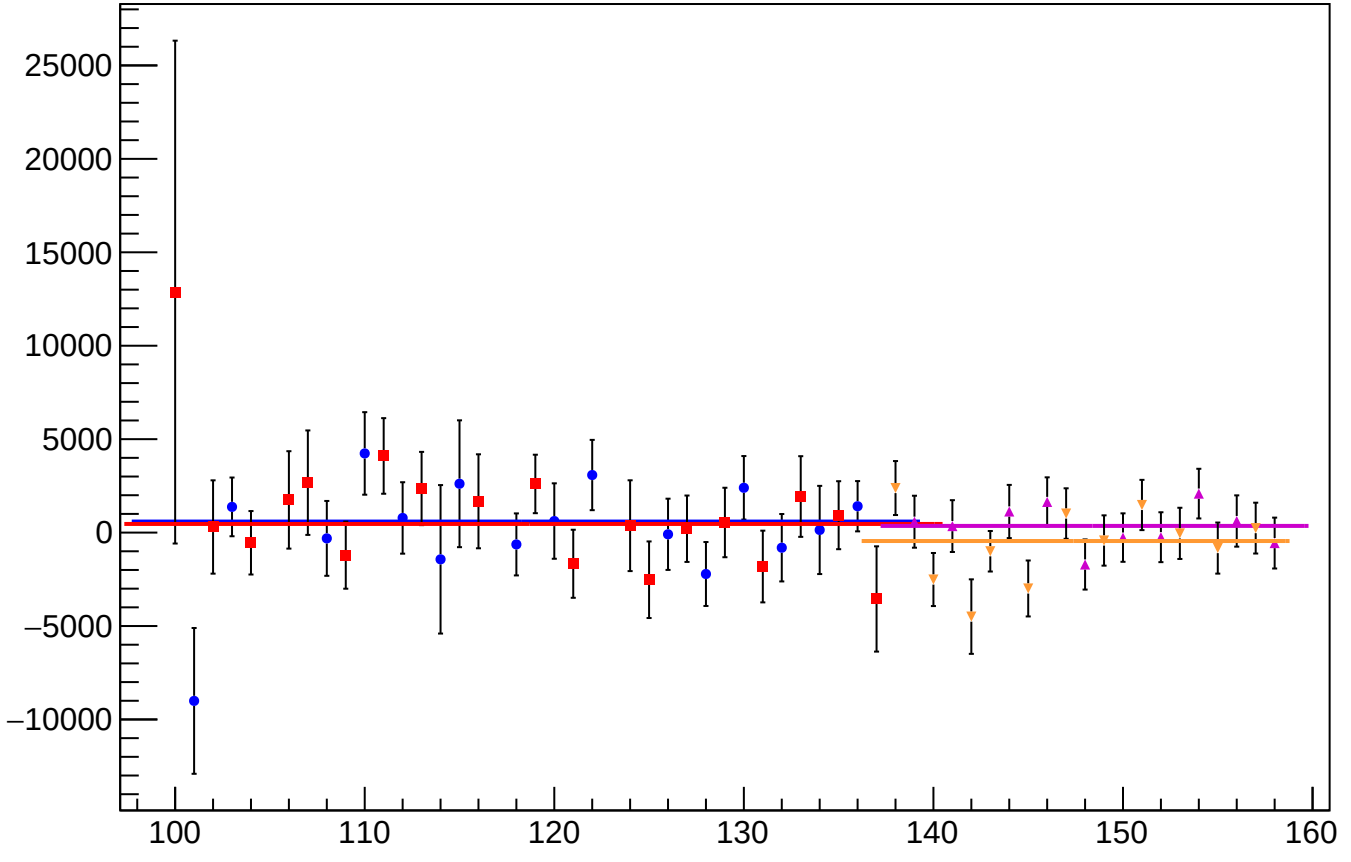
Left In: 627.943+/-0.152 χ^2/NDF:198032.1/9

+ sign 741.475+/-0.141 χ^2/NDF: 3835071.1/26

All: 732.878+/-0.098 χ^2/NDF: 7465065.2/55

- sign 724.817+/-0.136 χ^2/NDF: 3622766.9/28

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -451.272+/-415.740 χ^2/NDF:16.9/10

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

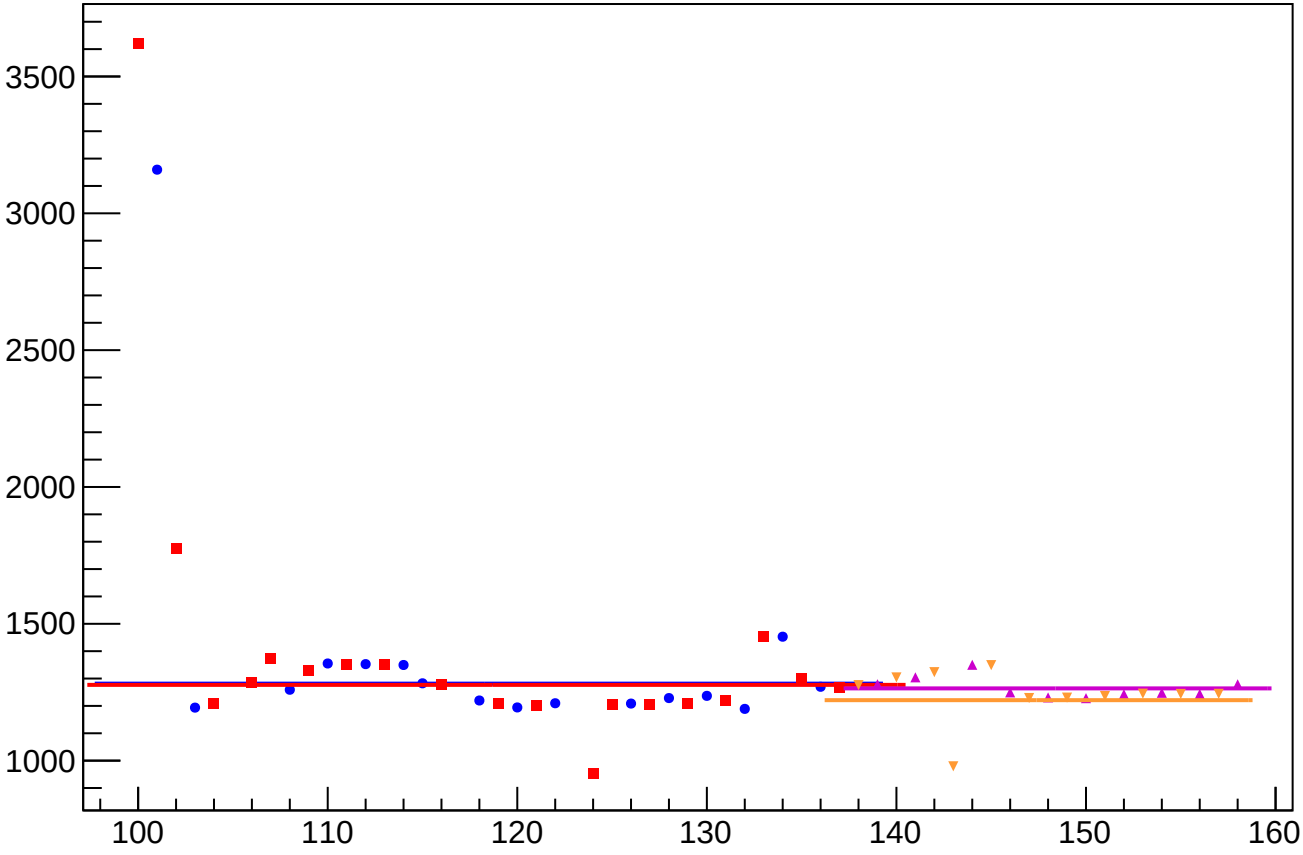
Left In: 357.693+/-428.095 χ^2/NDF:6.3/9

+ sign -10.600+/-315.778 χ^2/NDF: 36.6/26

All: 195.153+/-224.259 χ^2/NDF: 60.5/55

- sign 404.520+/-318.539 χ^2/NDF: 23.0/28

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1220.968+/-0.294 χ^2/NDF:131254.4/10

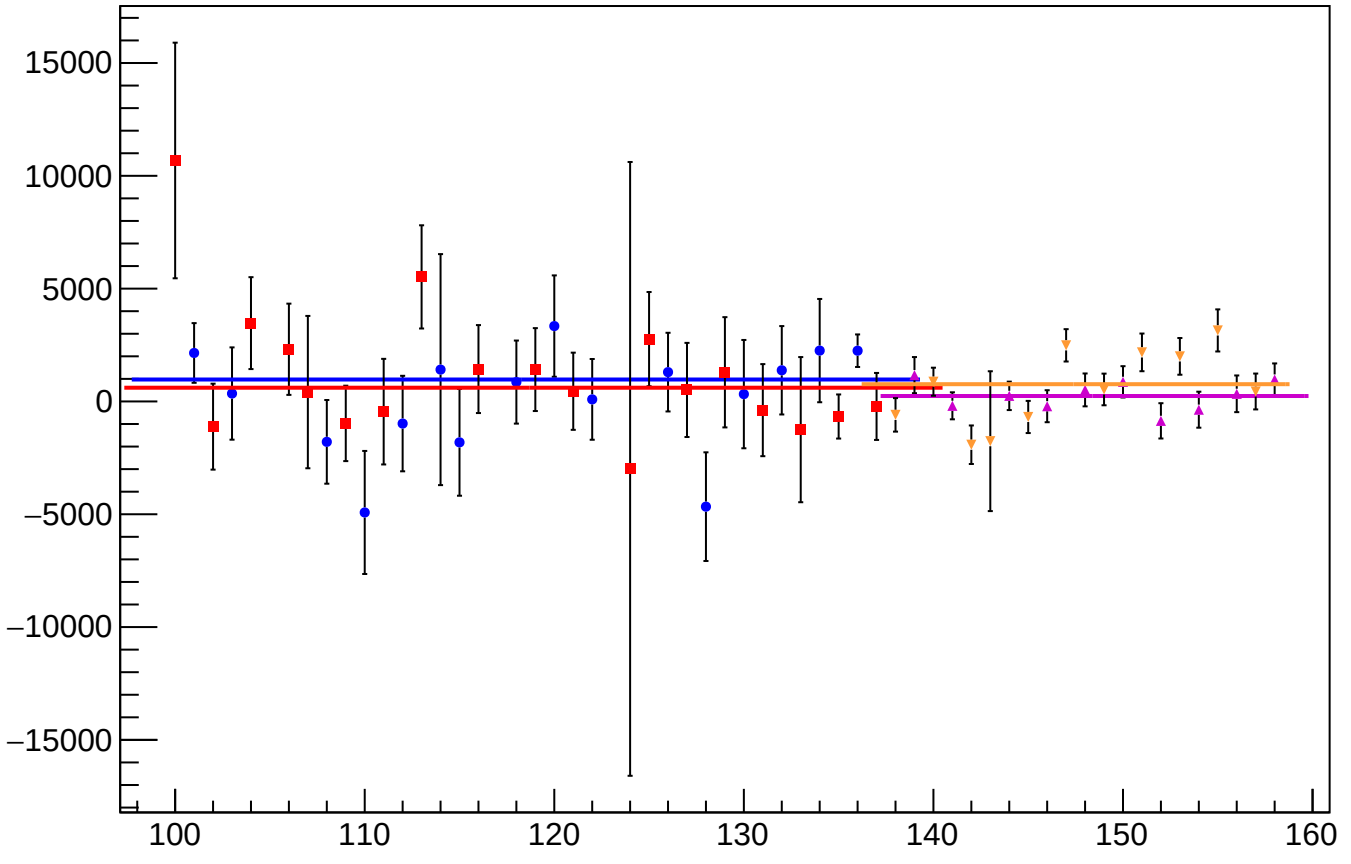
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1263.999+/-0.303 χ^2/NDF:13747.6/9

+ sign 1246.522+/-0.223 χ^2/NDF: 656193.0/26

All: 1258.030+/-0.159 χ^2/NDF: 896618.6/55

- sign 1269.739+/-0.225 χ^2/NDF: 235066.9/28



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 764.681+/-239.039 χ^2/NDF:35.8/10

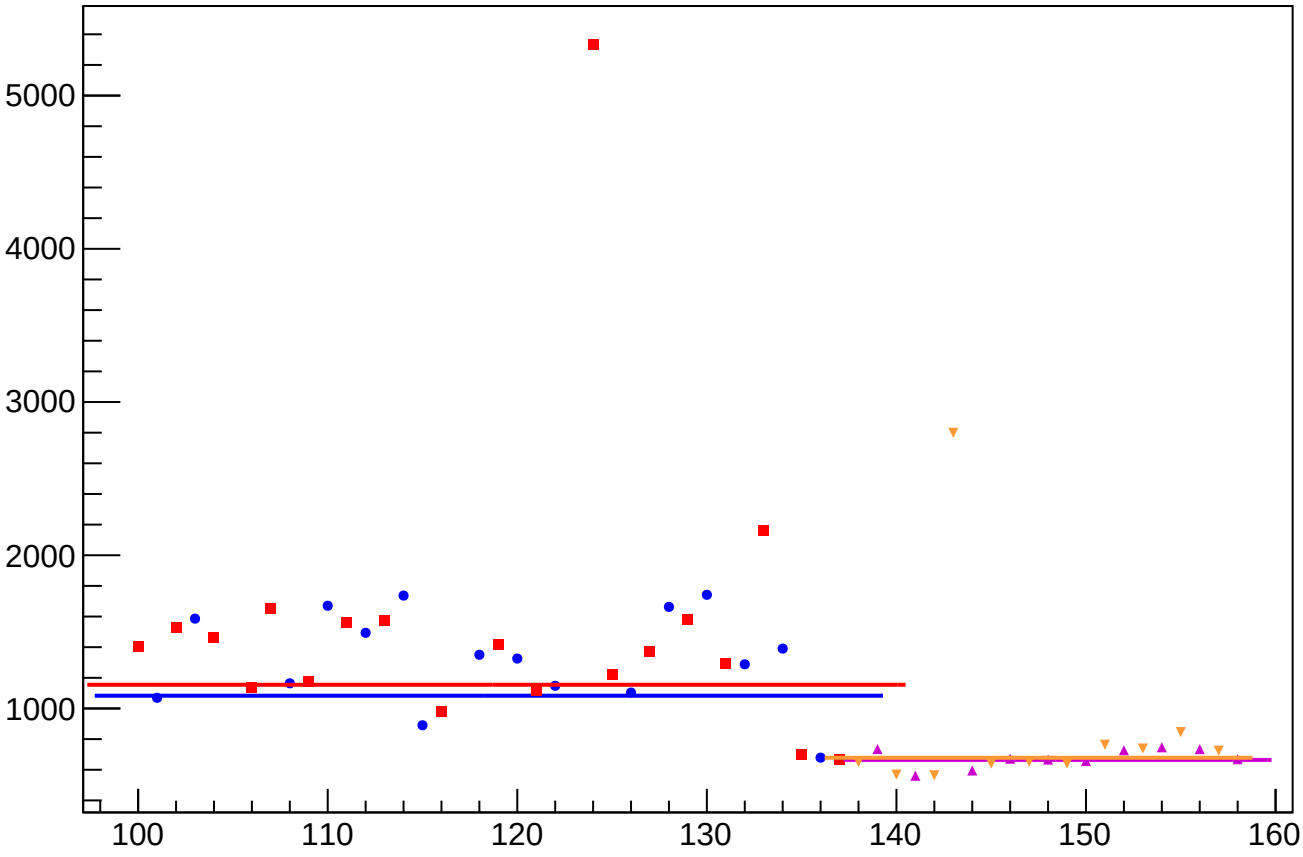
Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: 240.791+/-226.406 χ^2/NDF:6.9/9

+ sign 814.534+/-208.371 χ^2/NDF: 56.4/26

All: 557.404+/-145.052 χ^2/NDF: 83.9/55

- sign 315.655+/-202.043 χ^2/NDF: 24.5/28



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 678.507+/-0.169 χ^2/NDF:1155522.0/10

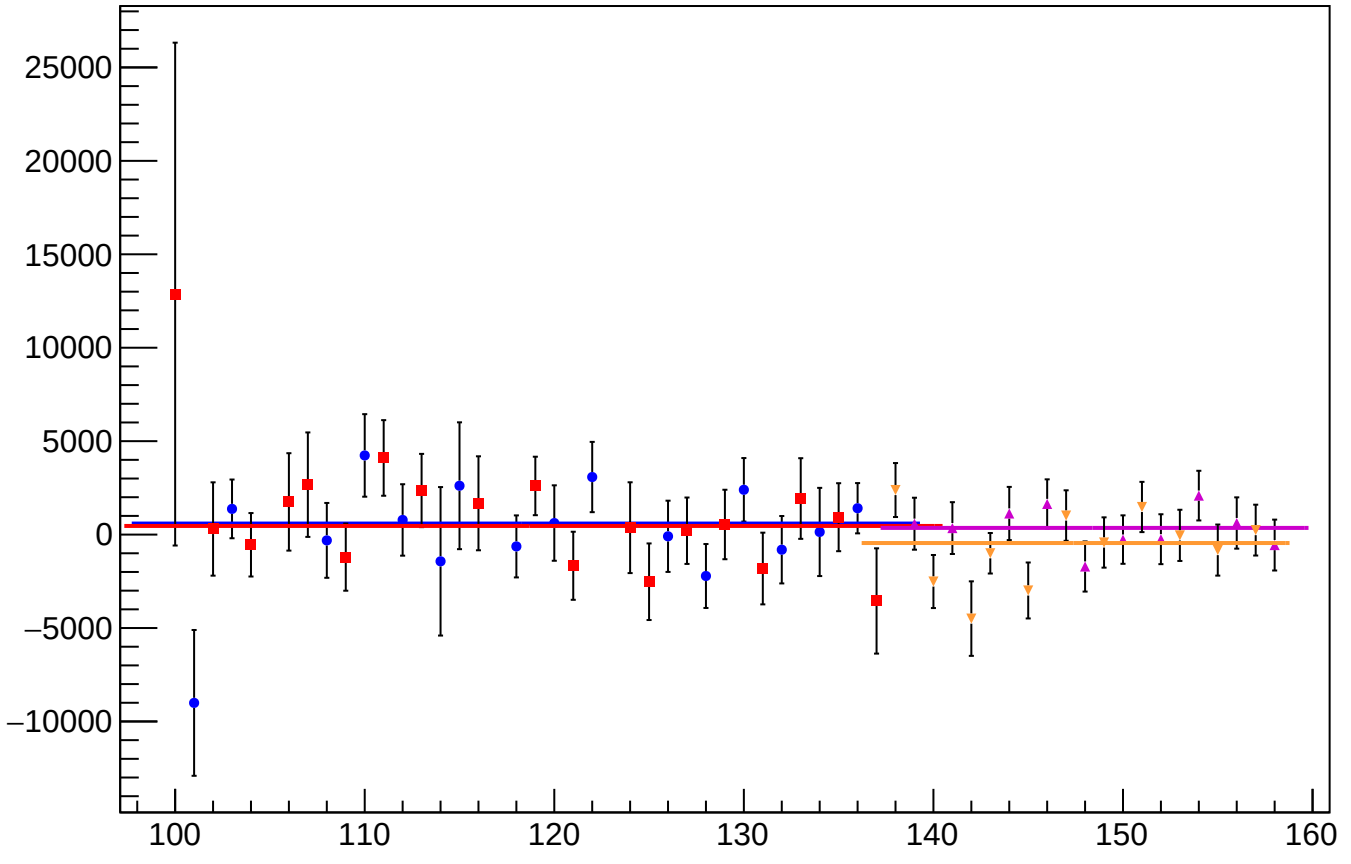
Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 664.408+/-0.160 χ^2/NDF:148962.3/9

+ sign 775.719+/-0.147 χ^2/NDF: 3893149.7/26

All: 769.809+/-0.103 χ^2/NDF: 7443635.8/55

- sign 764.253+/-0.143 χ^2/NDF: 3547364.6/28



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -451.273+/-415.740 χ^2/NDF:16.9/10

Right Out: 462.605+/-476.795 χ^2/NDF: 16.7/18

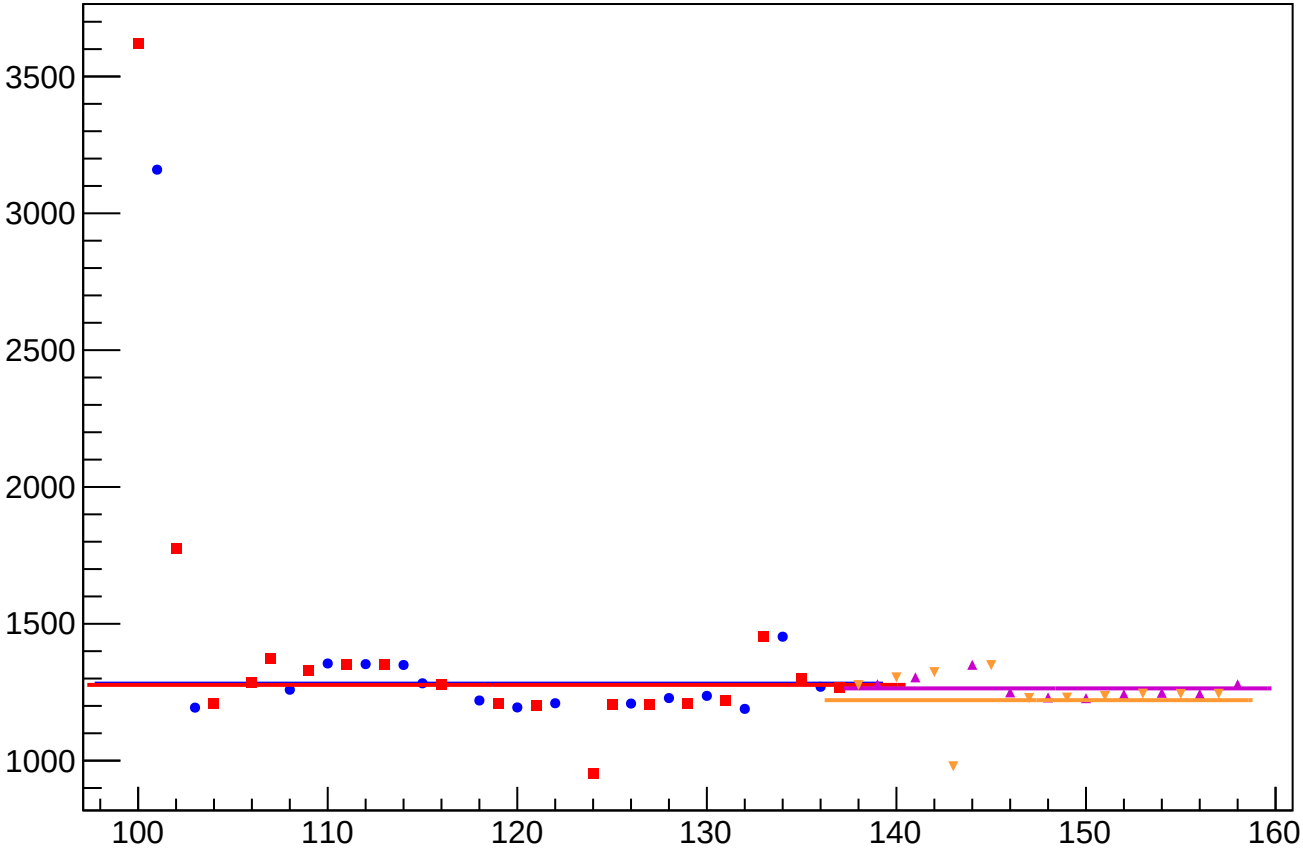
Left In: 357.696+/-428.095 χ^2/NDF:6.3/9

+ sign -10.600+/-315.778 χ^2/NDF: 36.6/26

All: 195.153+/-224.259 χ^2/NDF: 60.5/55

- sign 404.521+/-318.539 χ^2/NDF: 23.0/28

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1220.968+/-0.294 χ^2/NDF:131253.7/10

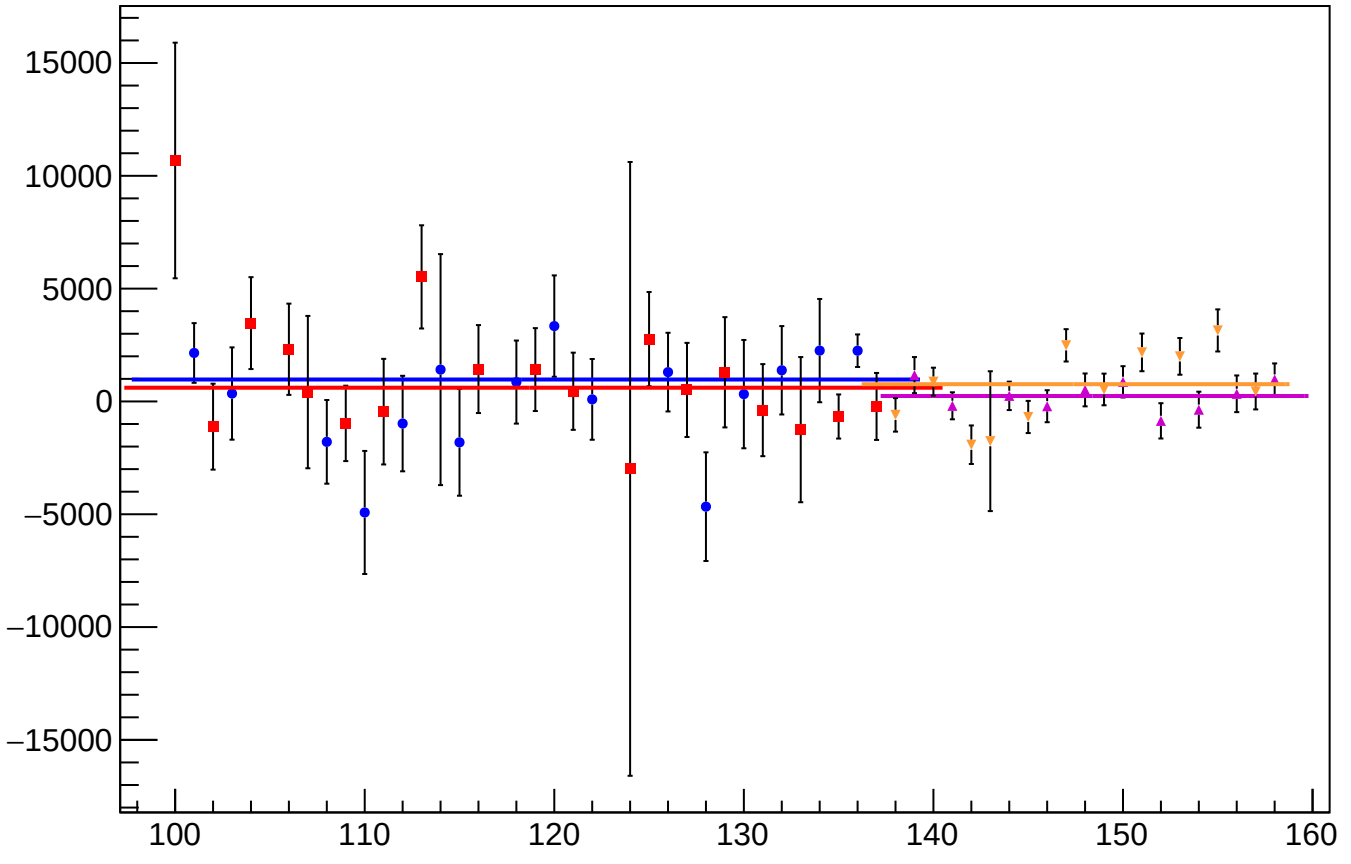
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1263.999+/-0.303 χ^2/NDF:13747.6/9

+ sign 1246.522+/-0.223 χ^2/NDF: 656192.3/26

All: 1258.030+/-0.159 χ^2/NDF: 896617.8/55

- sign 1269.739+/-0.225 χ^2/NDF: 235066.8/28



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 764.685+/-239.040 χ^2/NDF:35.8/10

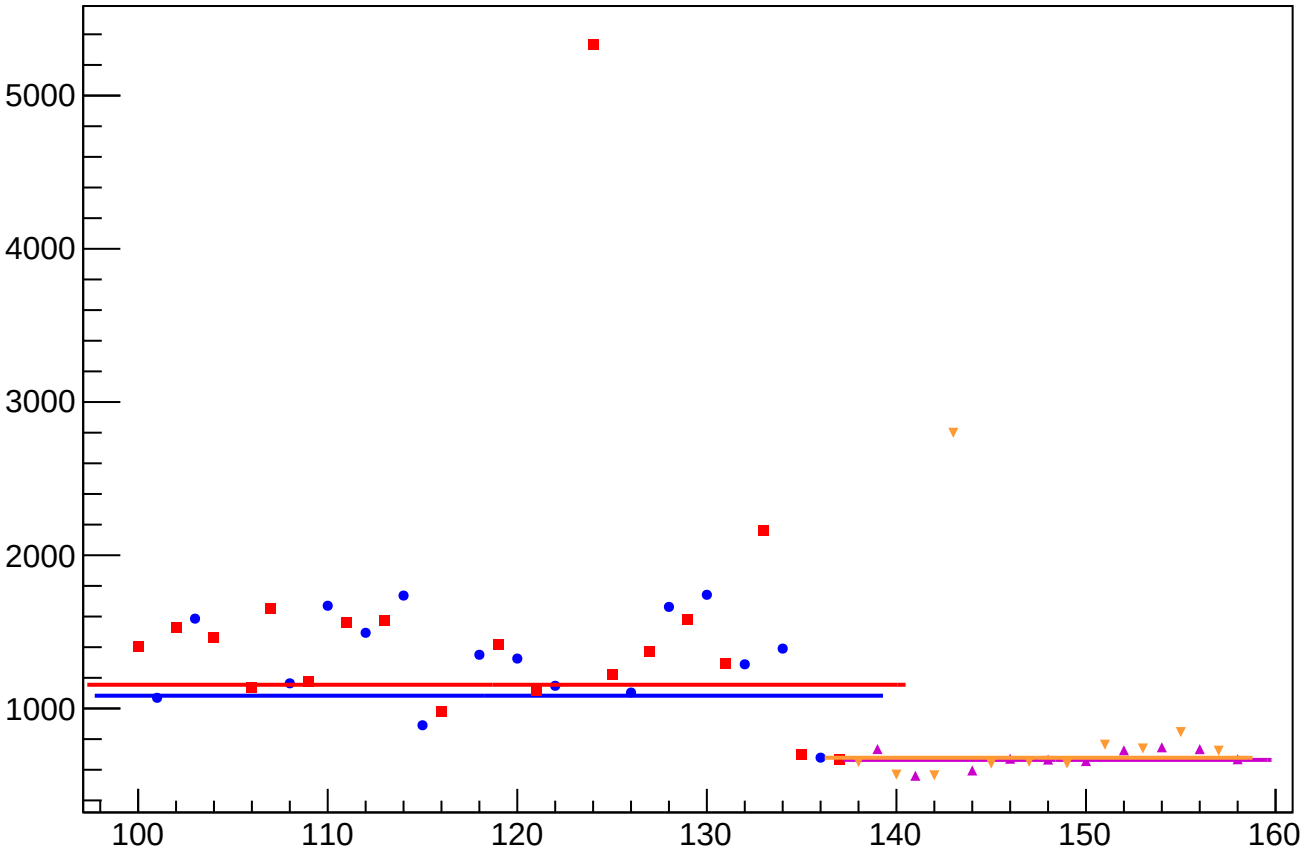
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 240.790+/-226.406 χ^2/NDF:6.9/9

+ sign 814.536+/-208.372 χ^2/NDF: 56.4/26

All: 557.405+/-145.052 χ^2/NDF: 83.9/55

- sign 315.656+/-202.044 χ^2/NDF: 24.5/28



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 678.508+/-0.169 χ^2/NDF:1155513.9/10

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

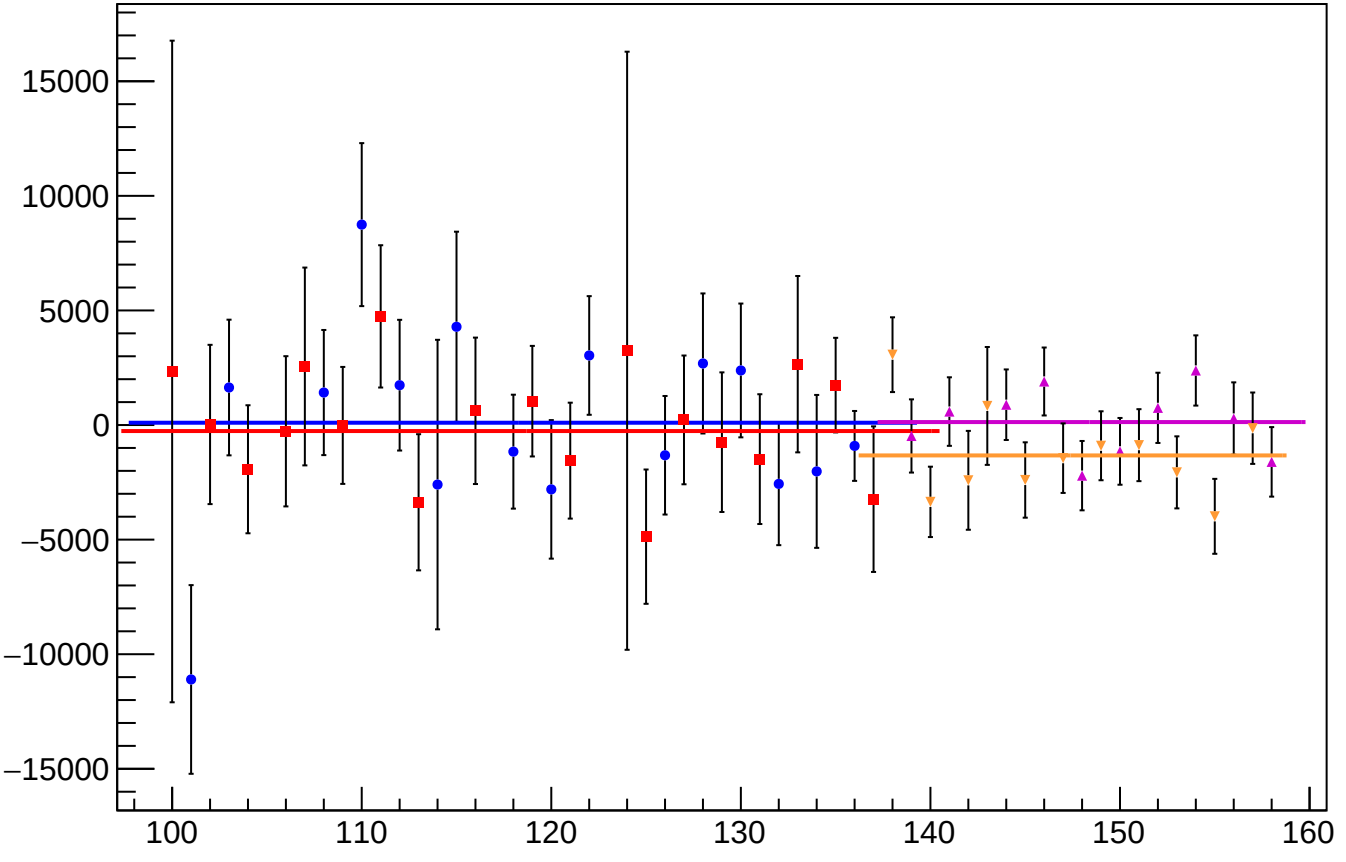
Left In: 664.408+/-0.160 χ^2/NDF:148964.4/9

+ sign 775.722+/-0.147 χ^2/NDF: 3893109.7/26

All: 769.811+/-0.103 χ^2/NDF: 7443588.4/55

- sign 764.254+/-0.143 χ^2/NDF: 3547356.4/28

asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1326.223+/-499.420 χ^2/NDF:14.0/10

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

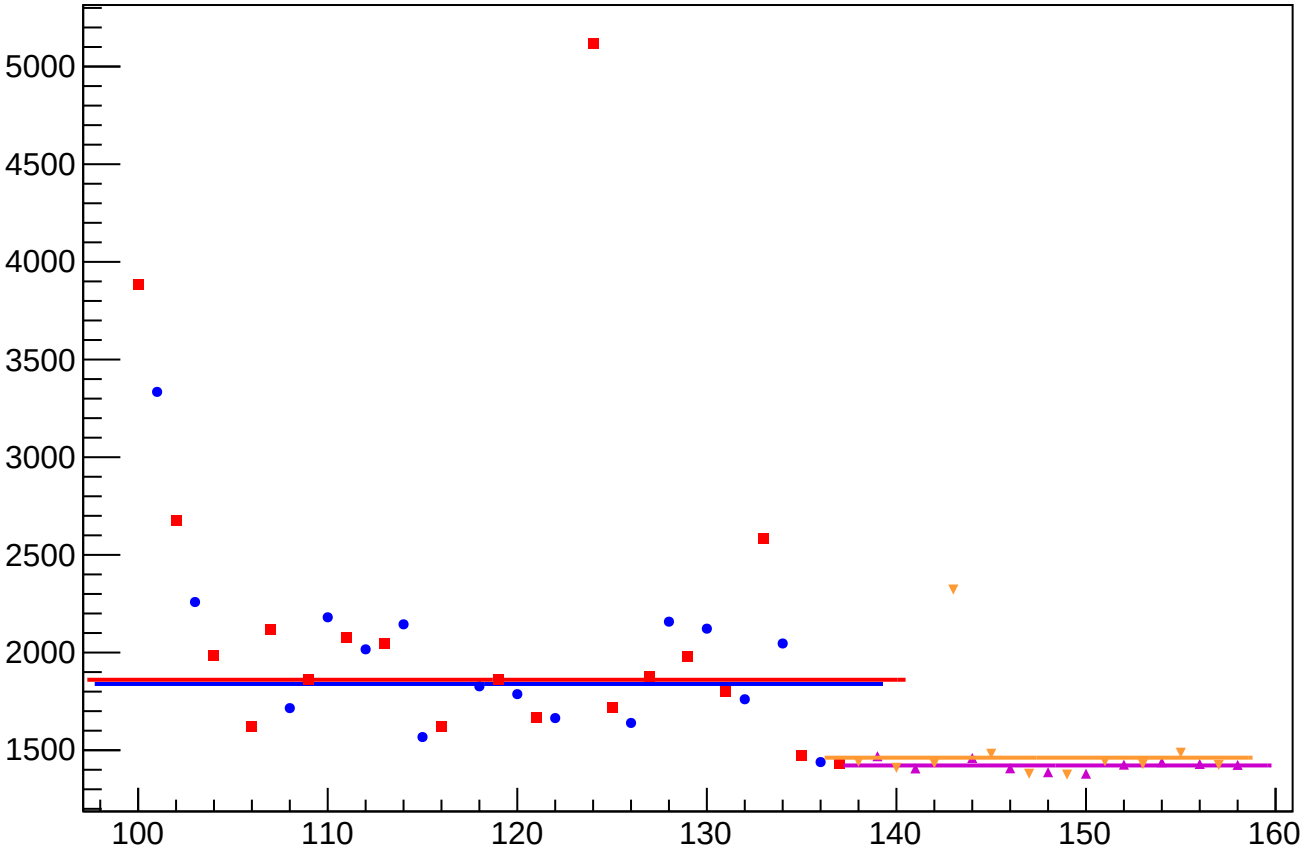
Left In: 129.264+/-481.560 χ^2/NDF:8.7/9

+ sign -844.051+/-406.355 χ^2/NDF: 38.0/26

All: -410.196+/-283.859 χ^2/NDF: 59.5/55

- sign 3.274+/-396.693 χ^2/NDF: 19.3/28

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1461.829+/-0.353 χ^2/NDF:242538.6/10

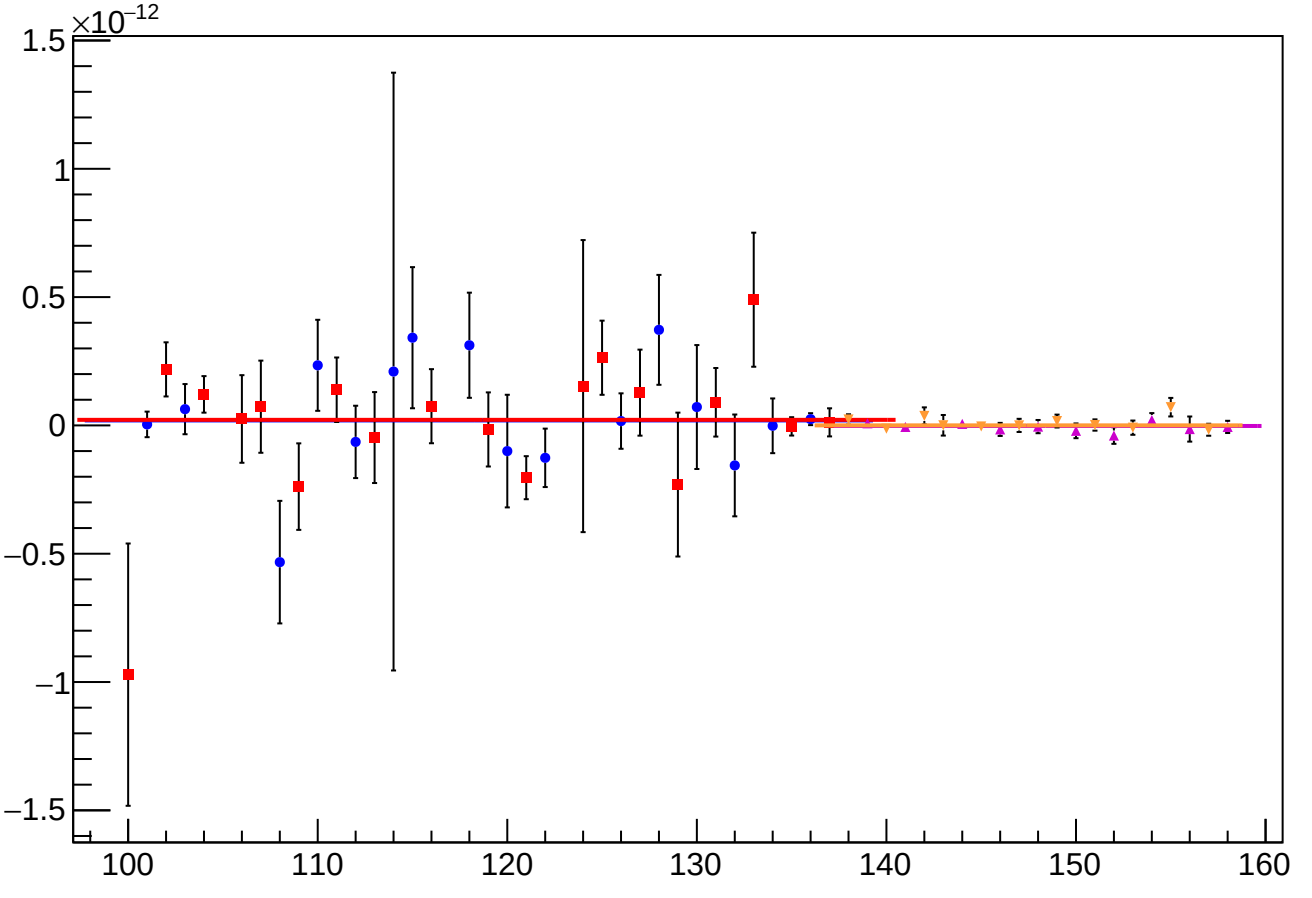
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1422.020+/-0.341 χ^2/NDF:6405.5/9

+ sign 1589.340+/-0.287 χ^2/NDF: 1185019.9/26

All: 1575.871+/-0.201 χ^2/NDF: 2251404.2/55

- sign 1563.035+/-0.281 χ^2/NDF: 1062092.9/28



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.0/10

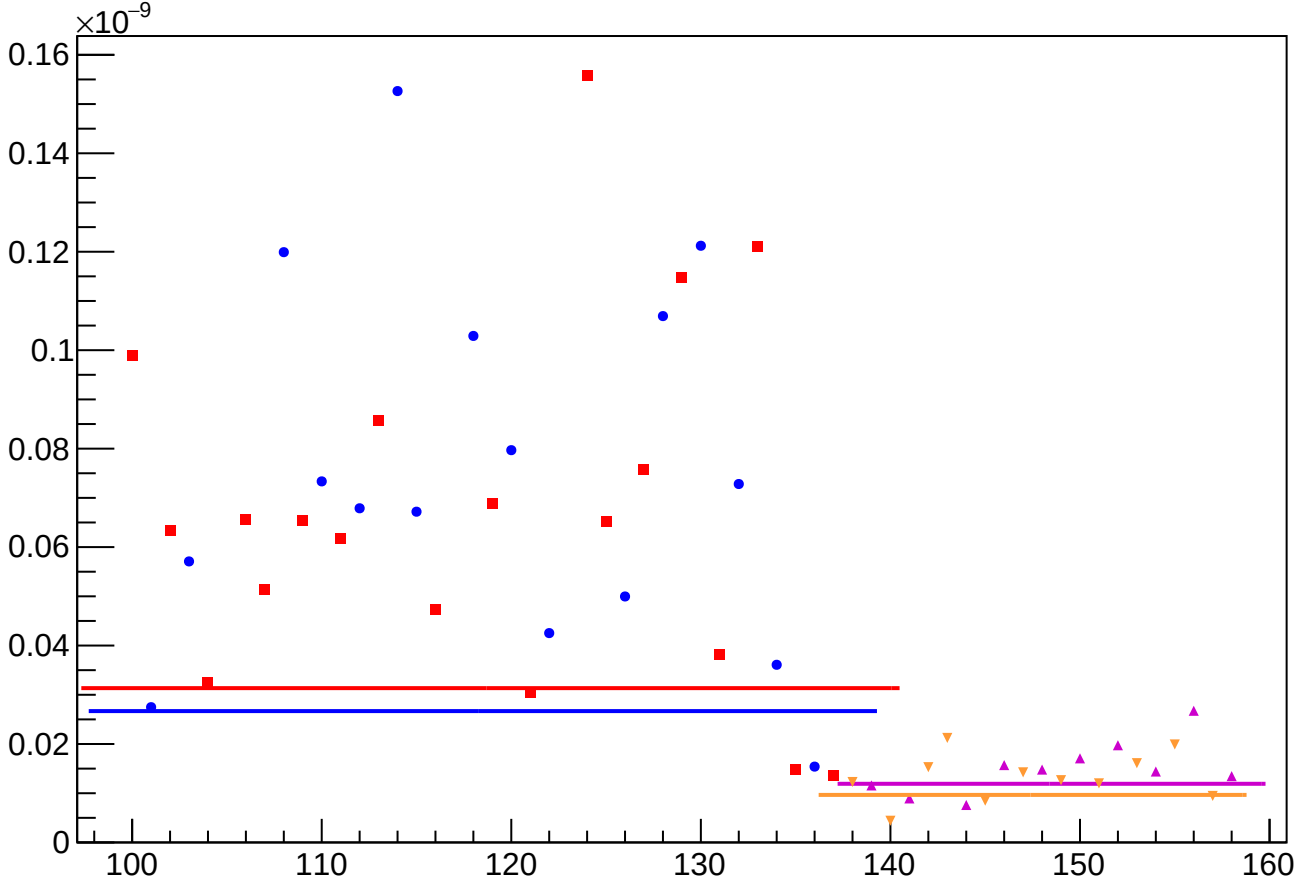
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:3.6/9

+ sign 0.000+/-0.000 χ^2/NDF: 26.4/26

All: 0.000+/-0.000 χ^2/NDF: 59.3/55

- sign -0.000+/-0.000 χ^2/NDF: 32.9/28



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1136099.0/10

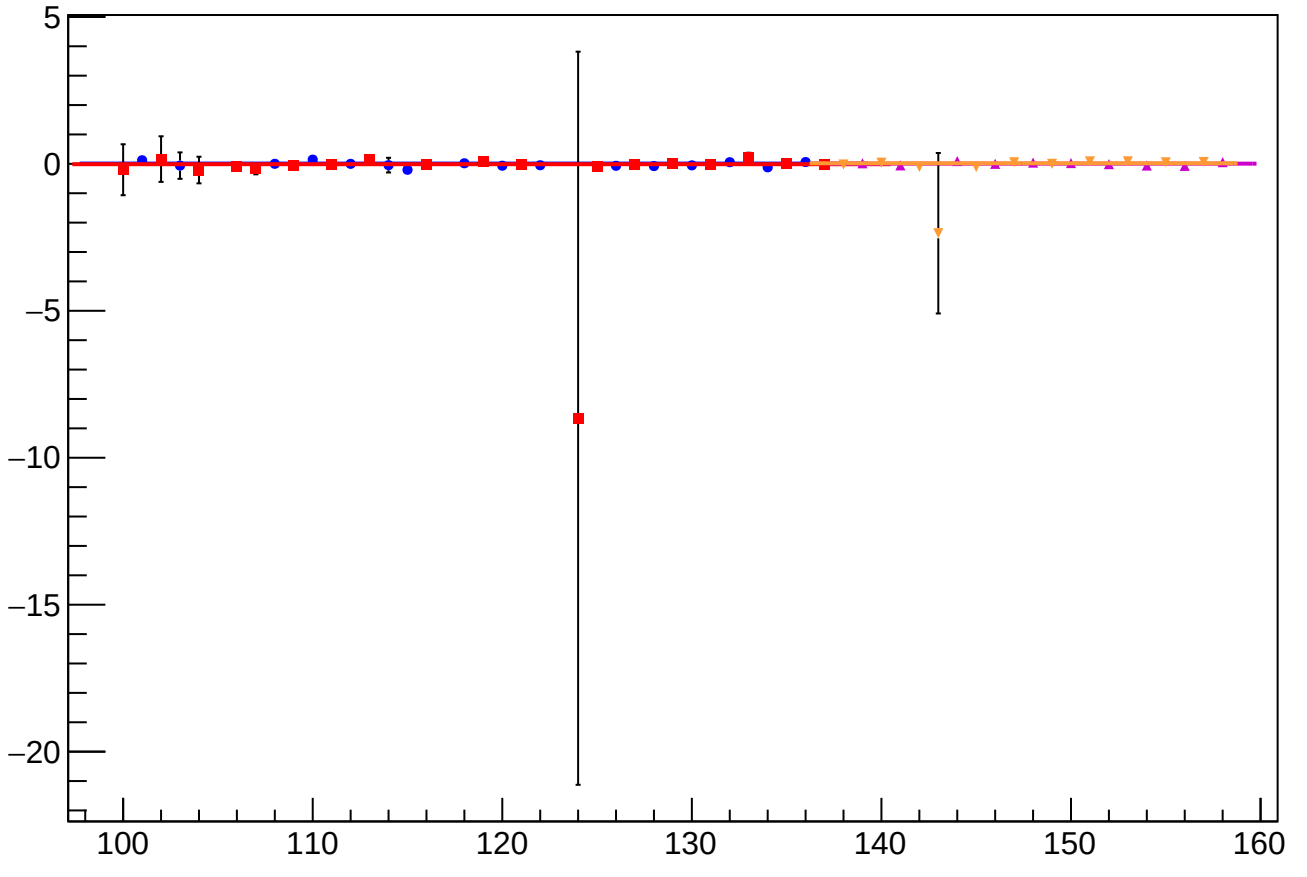
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:737470.9/9

+ sign 0.000+/-0.000 χ^2/NDF: 5195975.0/26

All: 0.000+/-0.000 χ^2/NDF: 9729875.8/55

- sign 0.000+/-0.000 χ^2/NDF: 4399026.8/28



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.019+/-0.014 χ^2/NDF:14.9/10

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

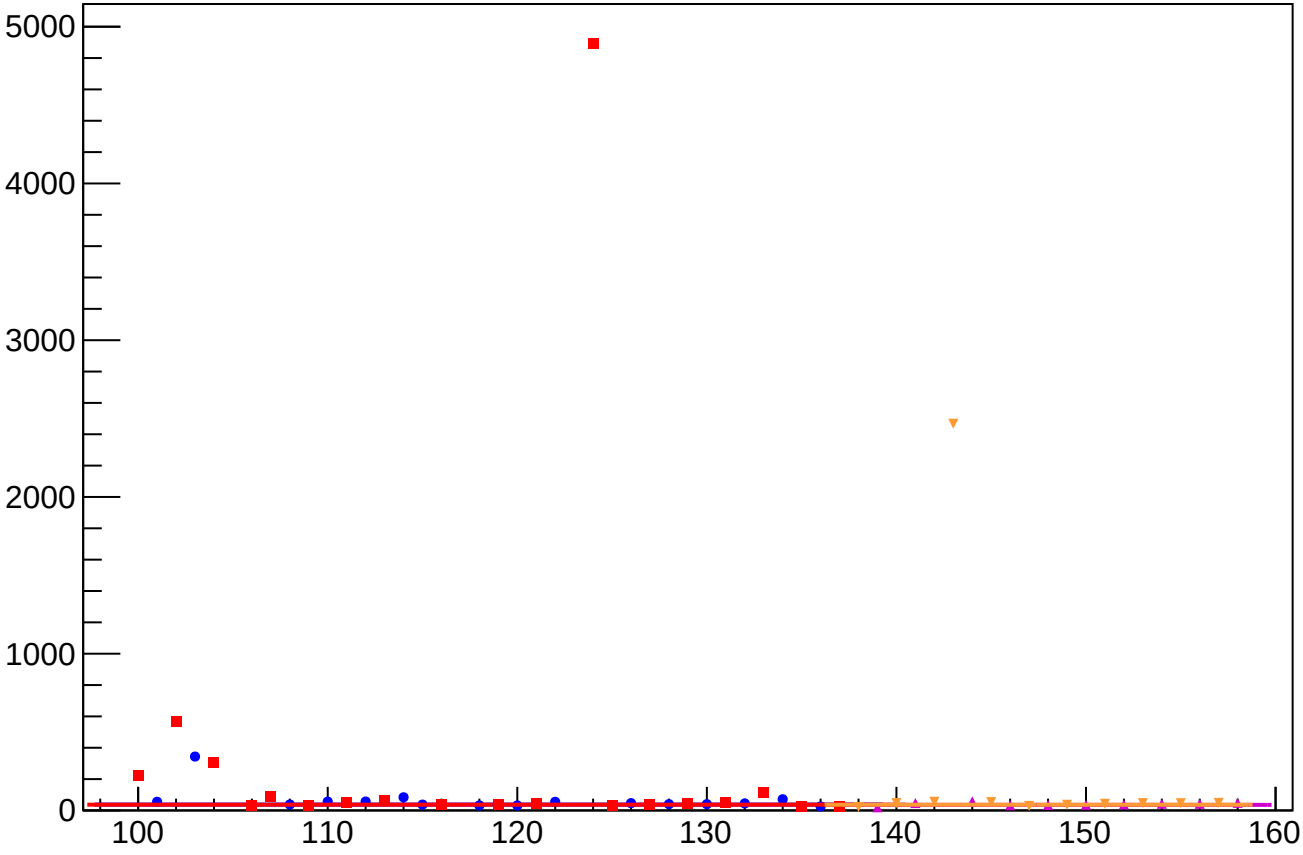
Left In: 0.006+/-0.013 χ^2/NDF:9.6/9

+ sign 0.014+/-0.011 χ^2/NDF: 34.4/26

All: 0.006+/-0.007 χ^2/NDF: 58.4/55

- sign -0.001+/-0.010 χ^2/NDF: 22.9/28

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 36.493+/-0.010 χ^2/NDF:2778479.6/10

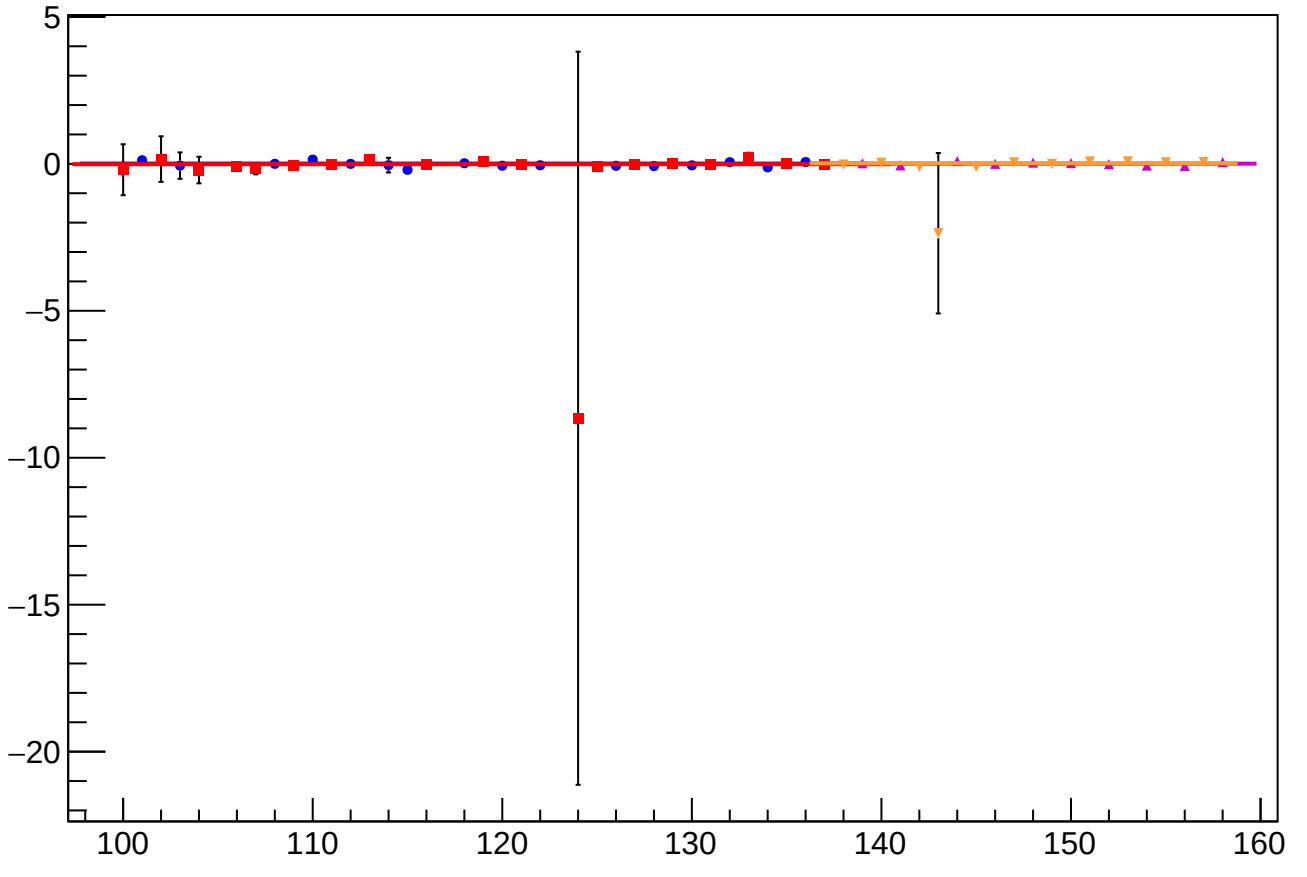
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 35.592+/-0.009 χ^2/NDF:1195282.8/9

+ sign 36.936+/-0.008 χ^2/NDF: 4766080.1/26

All: 36.483+/-0.005 χ^2/NDF: 9165121.5/55

- sign 36.054+/-0.007 χ^2/NDF: 4392053.1/28



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.019+/-0.014 χ^2/NDF:14.9/10

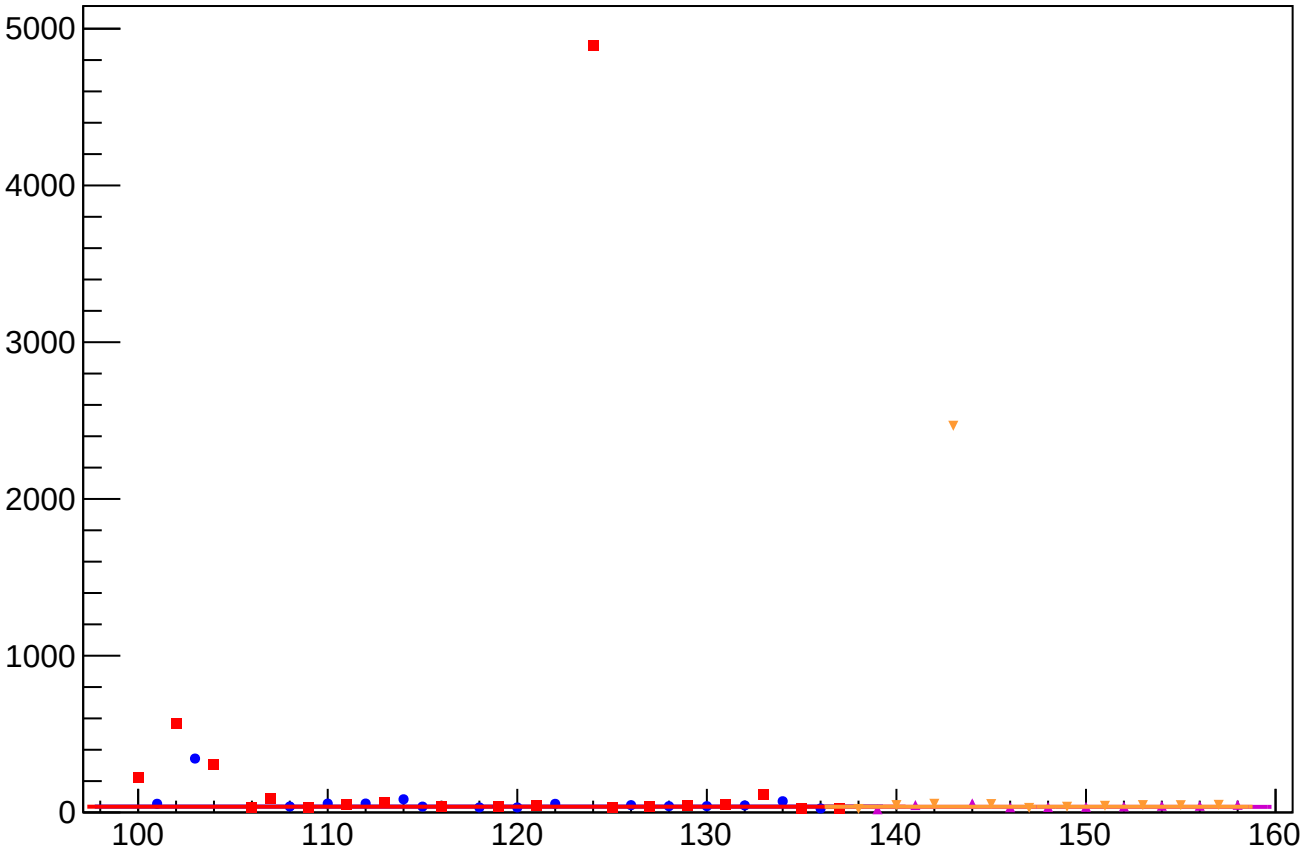
Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.006+/-0.013 χ^2/NDF:9.6/9

+ sign 0.014+/-0.011 χ^2/NDF: 34.4/26

All: 0.006+/-0.007 χ^2/NDF: 58.4/55

- sign -0.001+/-0.010 χ^2/NDF: 22.9/28



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 36.493+/-0.010 χ^2/NDF:2778479.6/10

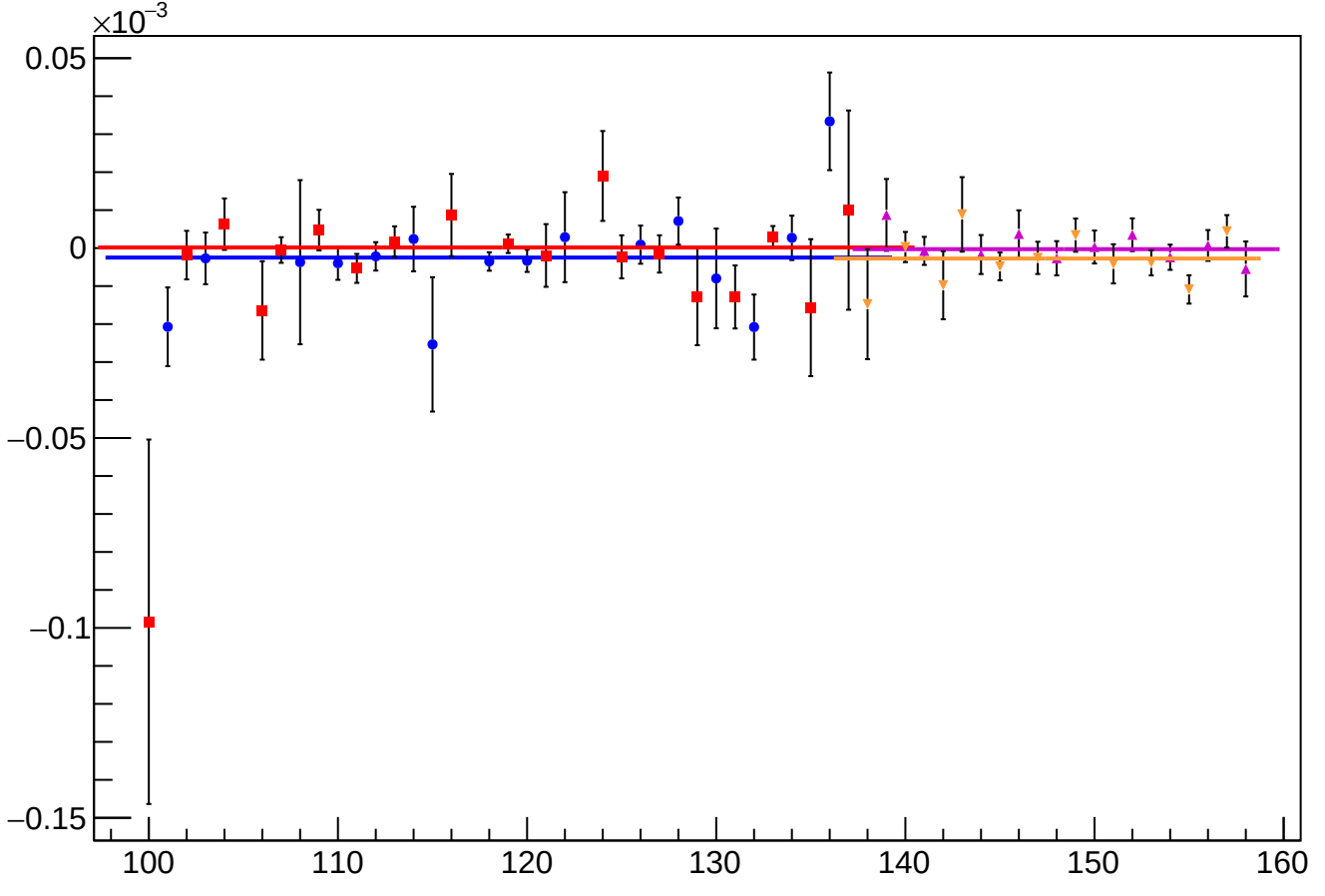
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 35.592+/-0.009 χ^2/NDF:1195282.8/9

+ sign 36.936+/-0.008 χ^2/NDF: 4766080.1/26

All: 36.483+/-0.005 χ^2/NDF: 9165121.5/55

- sign 36.054+/-0.007 χ^2/NDF: 4392053.1/28



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.3/10

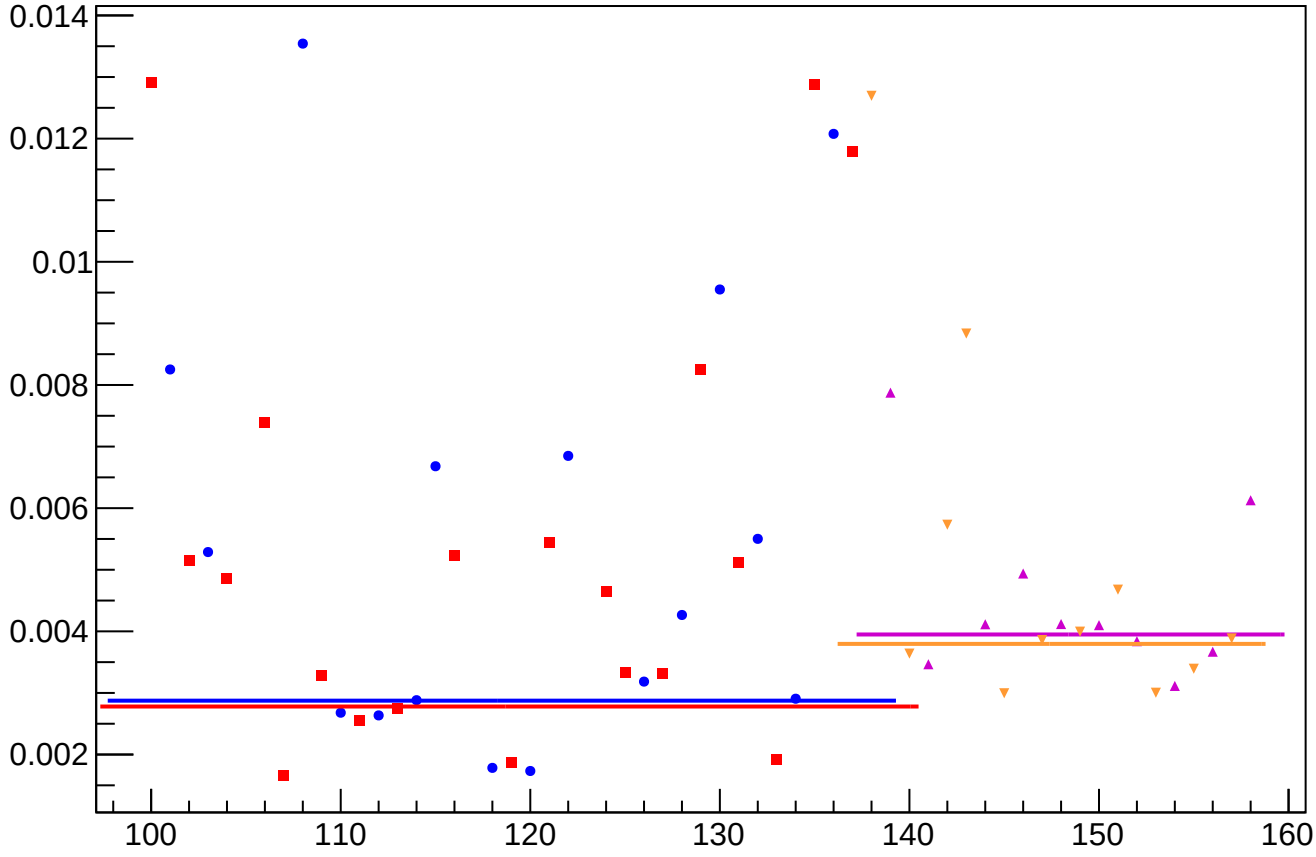
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:3.5/9

+ sign -0.000+/-0.000 χ^2/NDF: 35.2/26

All: -0.000+/-0.000 χ^2/NDF: 61.5/55

- sign -0.000+/-0.000 χ^2/NDF: 22.4/28



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:1675809.3/10

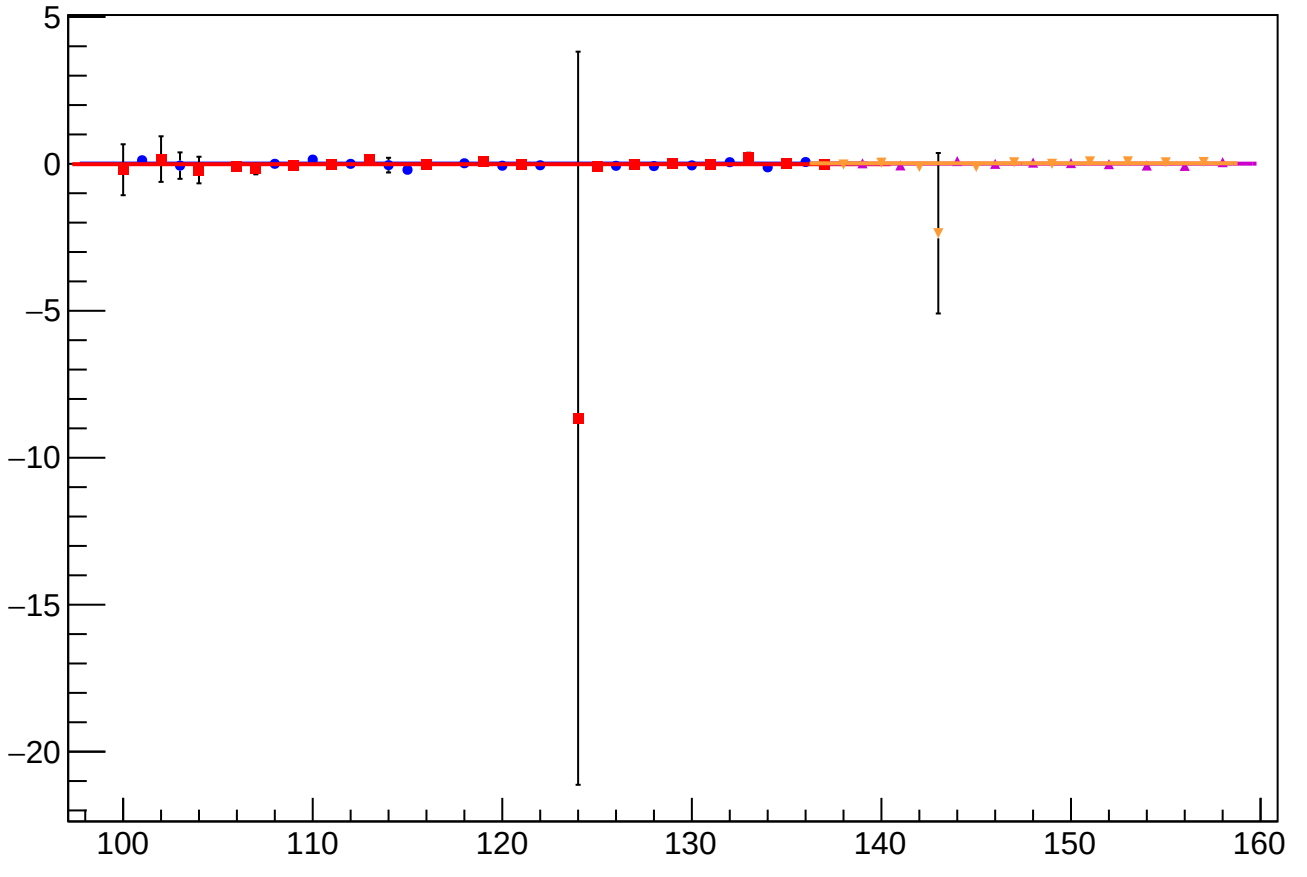
Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:755738.4/9

\+ sign 0.003+/-0.000 χ^2/NDF: 6300359.4/26

All: 0.003+/-0.000 χ^2/NDF: 11158613.4/55

\- sign 0.003+/-0.000 χ^2/NDF: 4852728.6/28



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.019+/-0.014 χ^2/NDF:14.9/10

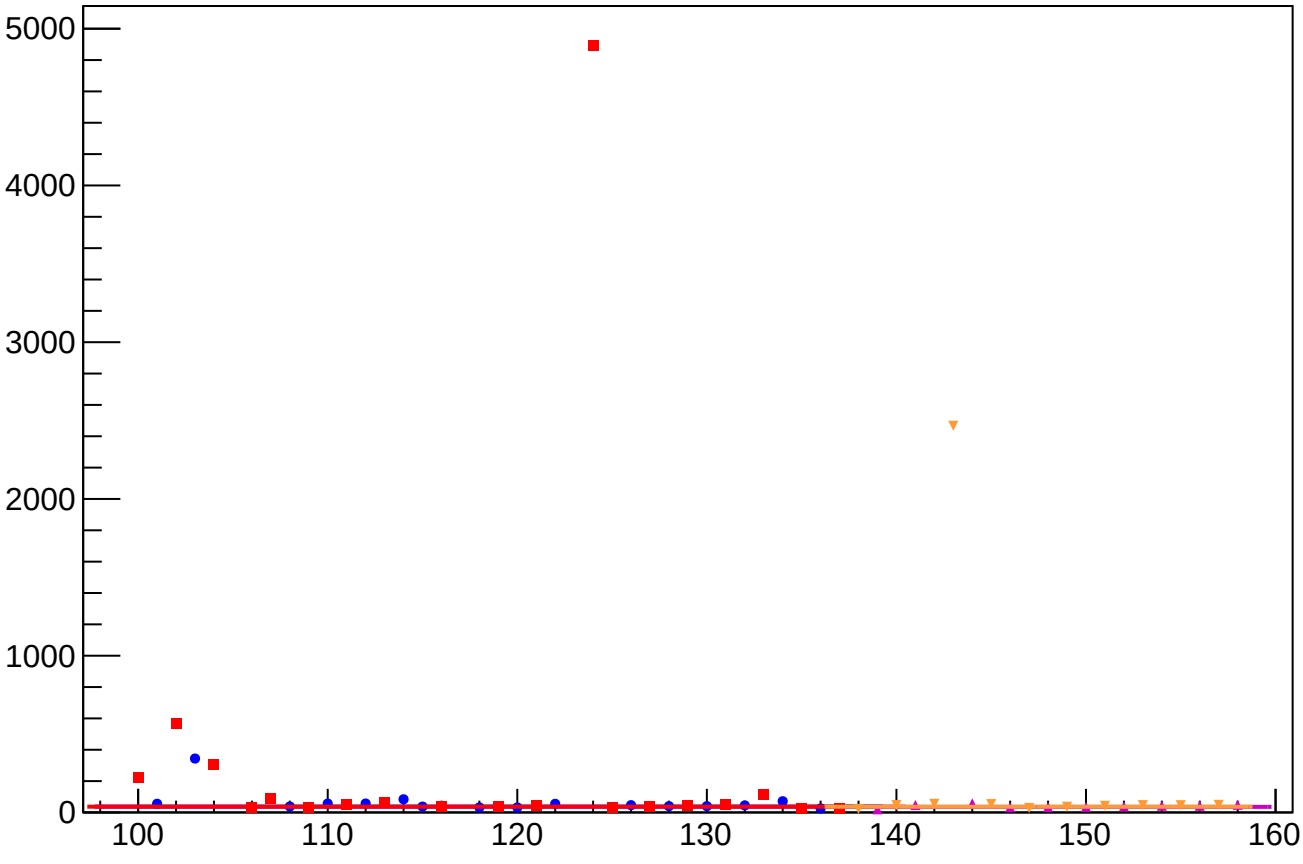
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.006+/-0.013 χ^2/NDF:9.6/9

+ sign 0.014+/-0.011 χ^2/NDF: 34.4/26

All: 0.006+/-0.007 χ^2/NDF: 58.5/55

- sign -0.001+/-0.010 χ^2/NDF: 22.9/28



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 36.490+/-0.010 χ^2/NDF:2779003.4/10

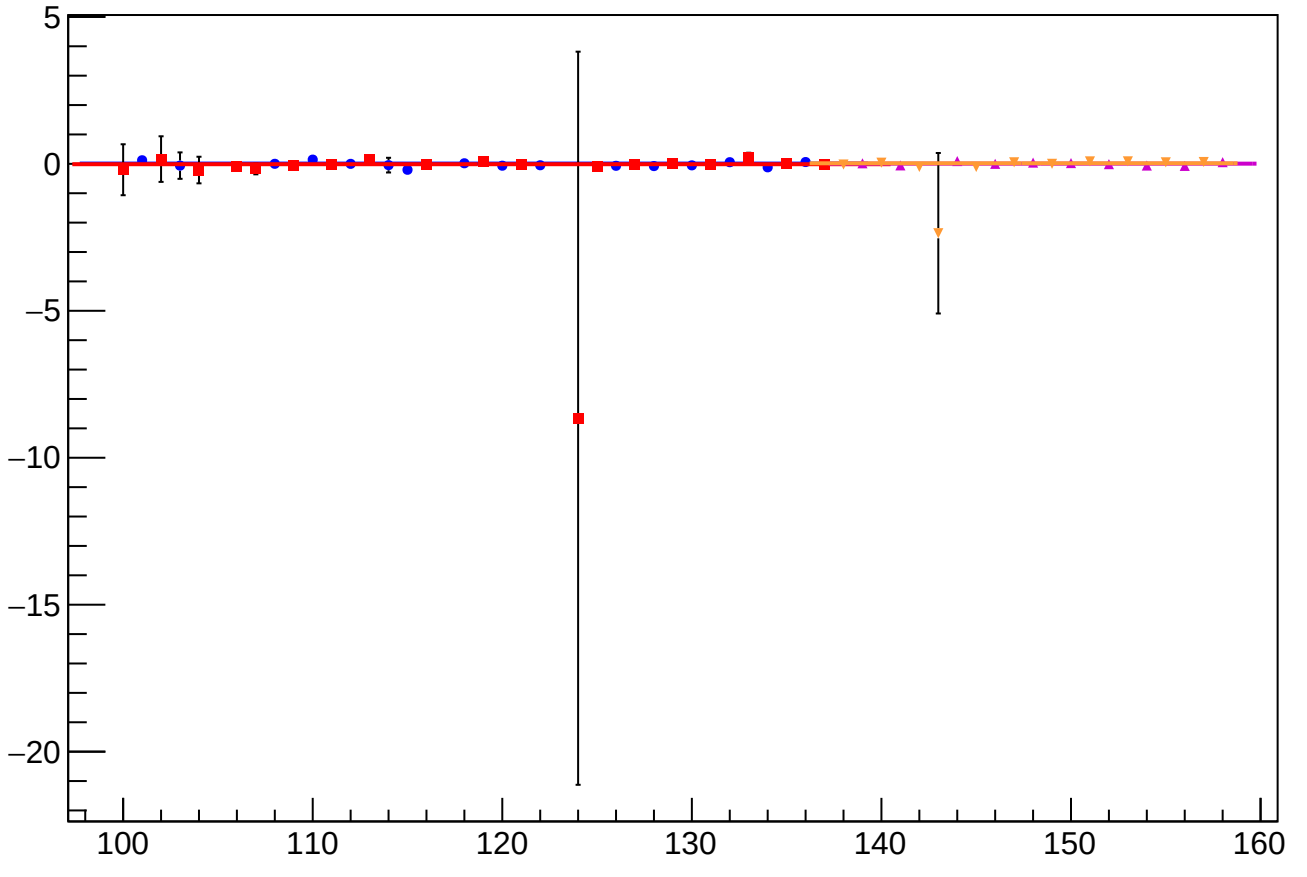
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 35.596+/-0.009 χ^2/NDF:1194308.9/9

+ sign 36.935+/-0.008 χ^2/NDF: 4766561.8/26

All: 36.484+/-0.005 χ^2/NDF: 9164247.5/55

- sign 36.056+/-0.007 χ^2/NDF: 4390760.9/28



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.019+/-0.014 χ^2/NDF:14.9/10

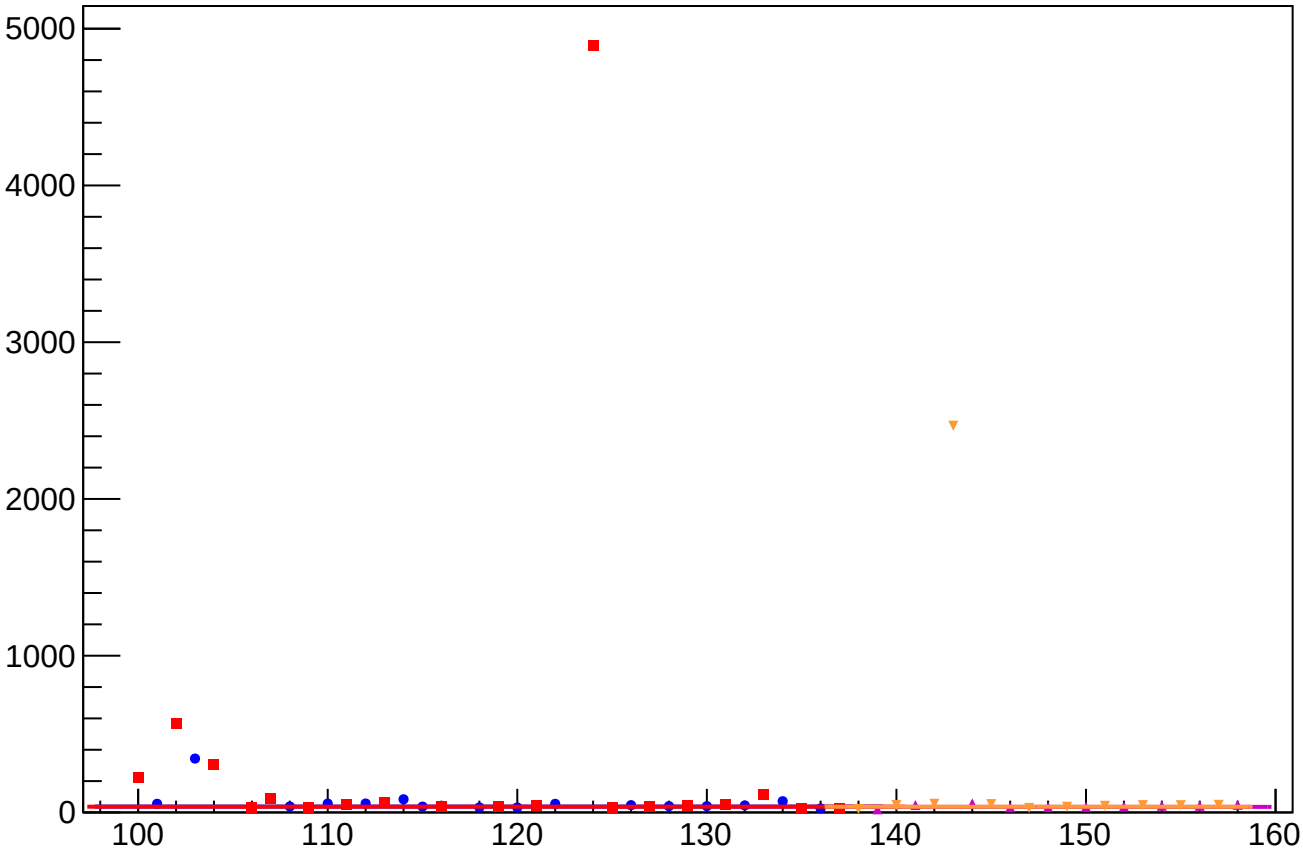
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.006+/-0.013 χ^2/NDF:9.6/9

+ sign 0.014+/-0.011 χ^2/NDF: 34.4/26

All: 0.006+/-0.007 χ^2/NDF: 58.5/55

- sign -0.001+/-0.010 χ^2/NDF: 22.9/28



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 36.490+/-0.010 χ^2/NDF:2779003.4/10

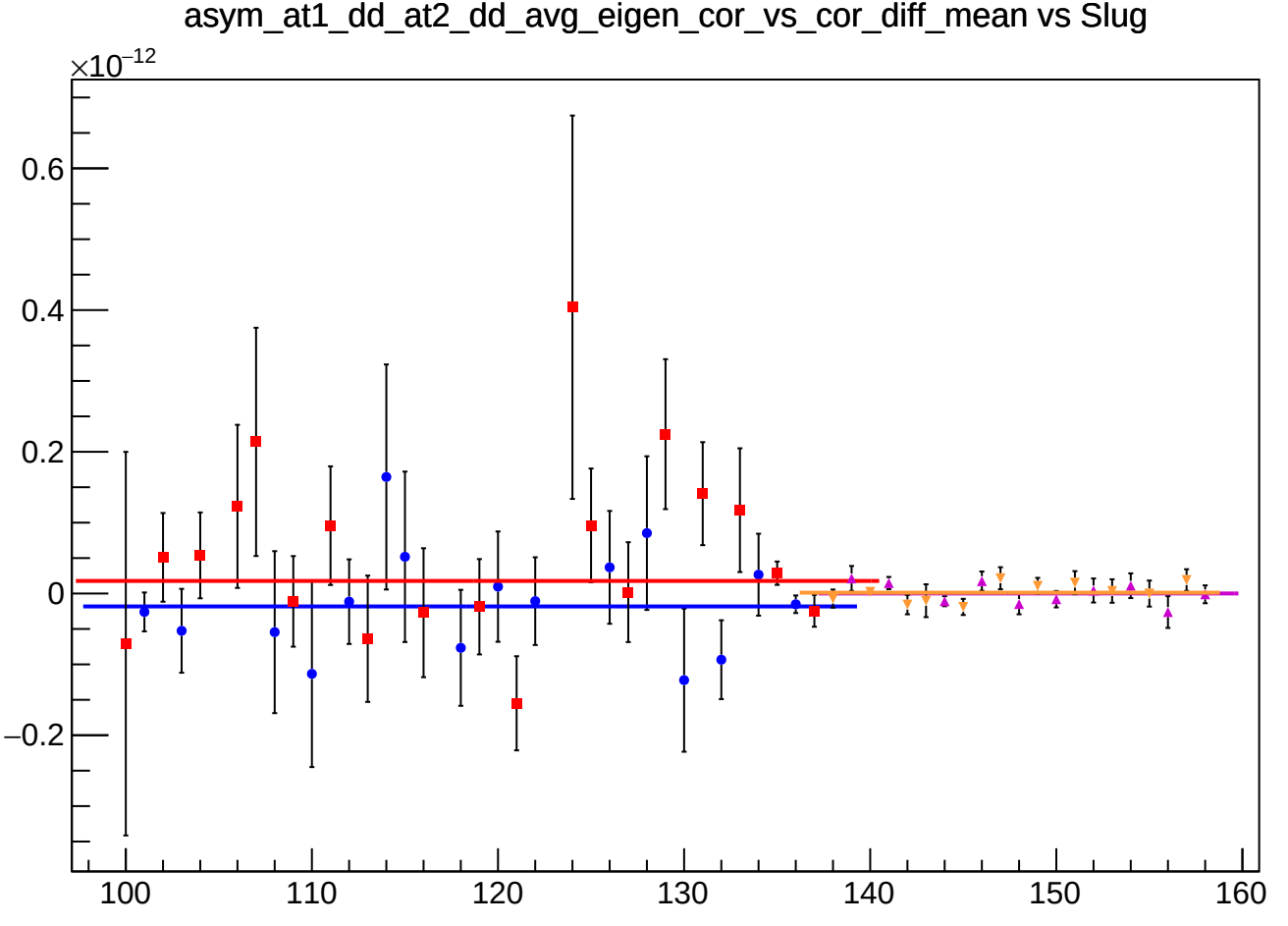
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 35.596+/-0.009 χ^2/NDF:1194308.9/9

+ sign 36.935+/-0.008 χ^2/NDF: 4766561.8/26

All: 36.484+/-0.005 χ^2/NDF: 9164247.5/55

- sign 36.056+/-0.007 χ^2/NDF: 4390760.9/28



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.9/10

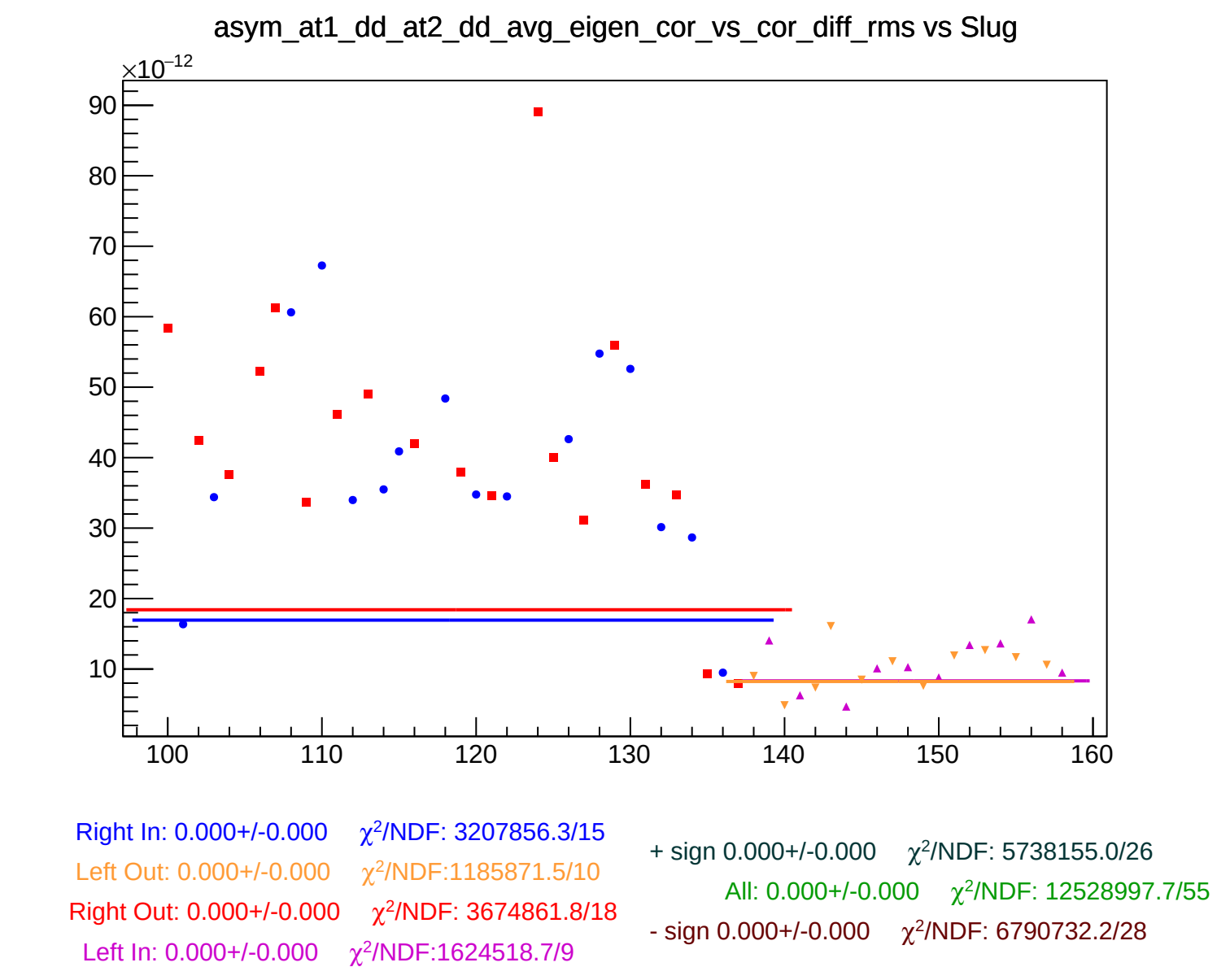
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:11.8/9

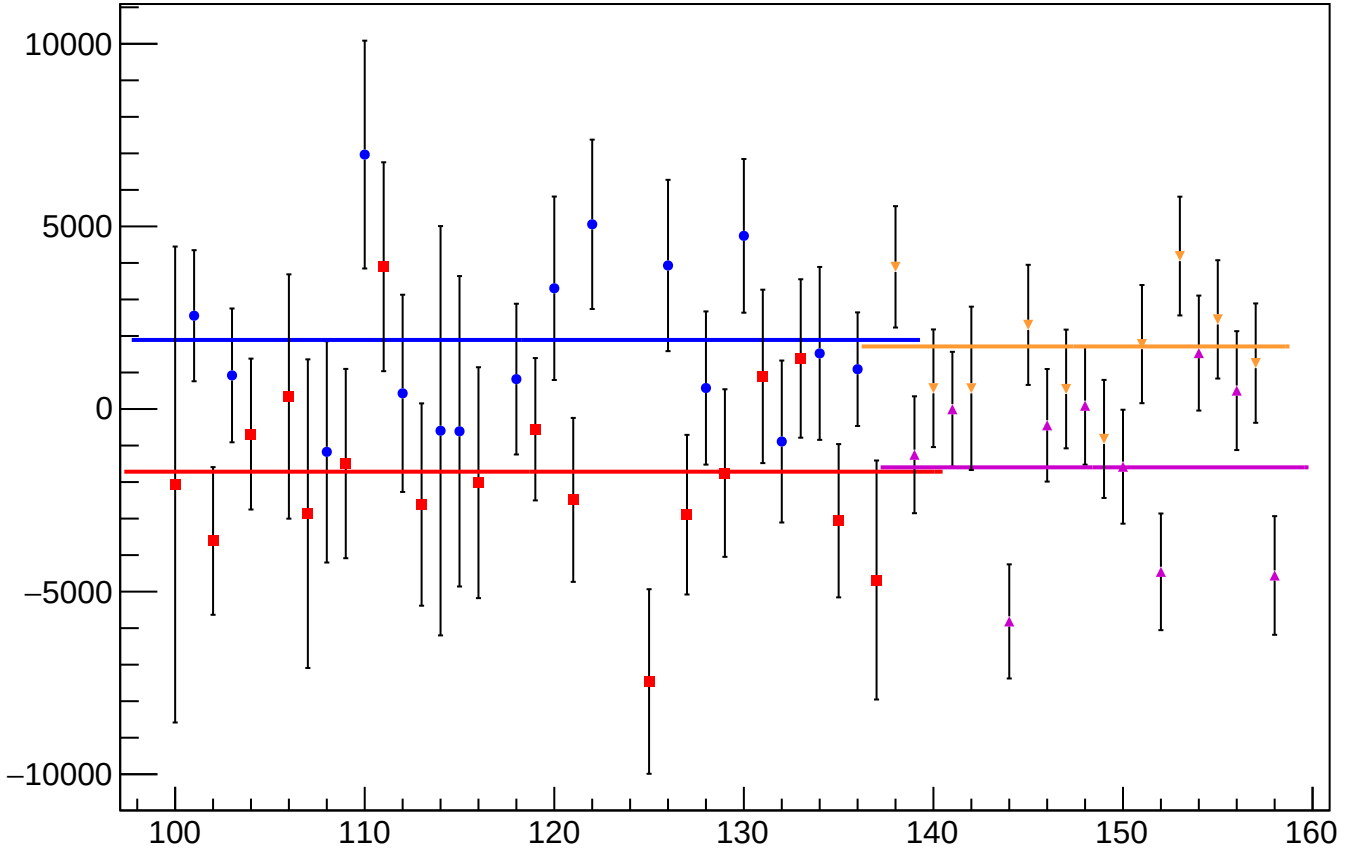
+ sign -0.000+/-0.000 χ^2/NDF: 21.6/26

All: 0.000+/-0.000 χ^2/NDF: 63.3/55

- sign 0.000+/-0.000 χ^2/NDF: 41.4/28


asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
90
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3207856.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1185871.5/10
Right Out: 0.000+/-0.000 χ²/NDF: 3674861.8/18
Left In: 0.000+/-0.000 χ²/NDF:1624518.7/9
+ sign 0.000+/-0.000 χ²/NDF: 5738155.0/26
All: 0.000+/-0.000 χ²/NDF: 12528997.7/55
- sign 0.000+/-0.000 χ²/NDF: 6790732.2/28

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1713.275+/-527.439 χ^2/NDF:8.2/9

Right Out: -1715.909+/-589.518 χ^2/NDF: 16.0/17

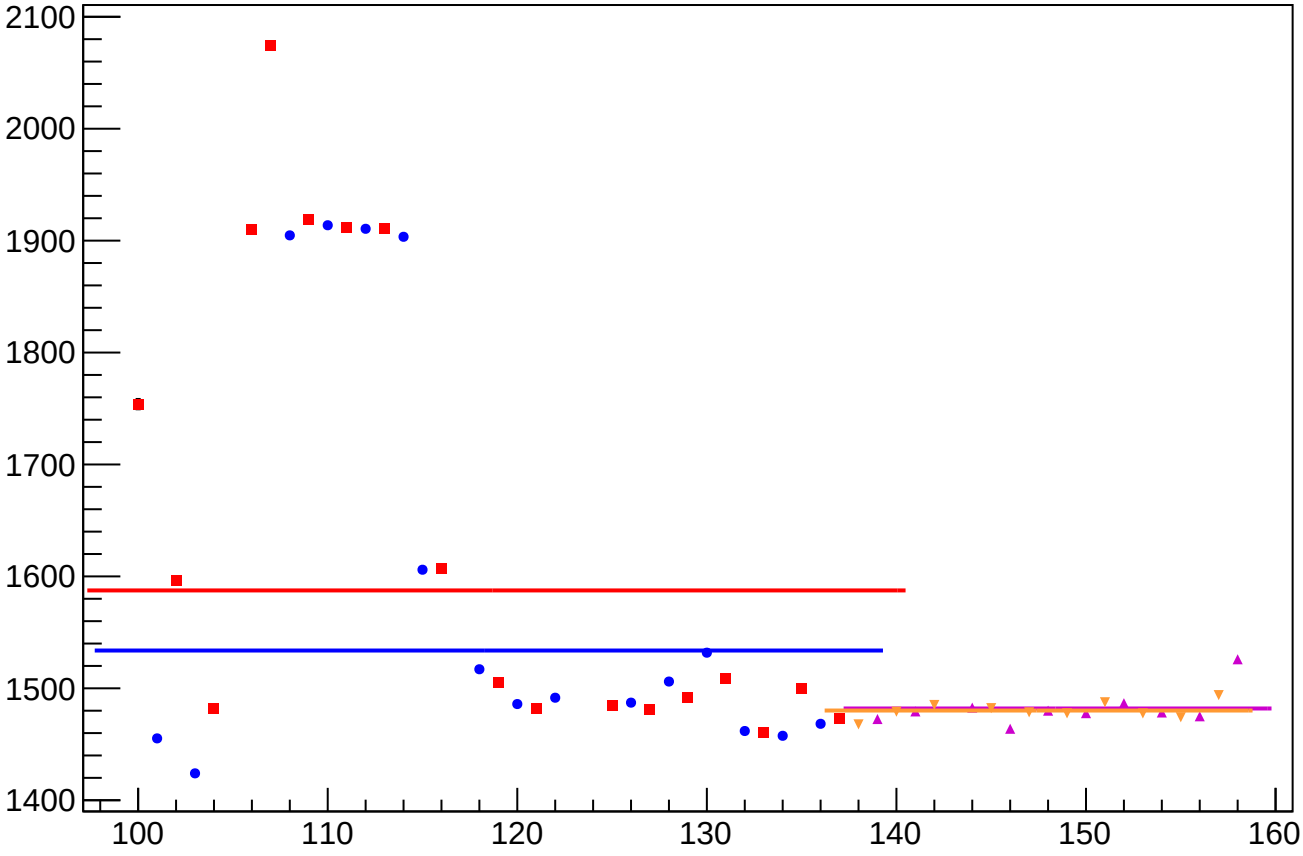
Left In: -1596.481+/-501.745 χ^2/NDF:22.2/9

+ sign 1795.118+/-387.829 χ^2/NDF: 20.5/25

All: 48.577+/-272.185 χ^2/NDF: 98.6/53

- sign -1646.651+/-382.090 χ^2/NDF: 38.2/27

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1480.155+/-0.373 χ^2/NDF:347.8/9

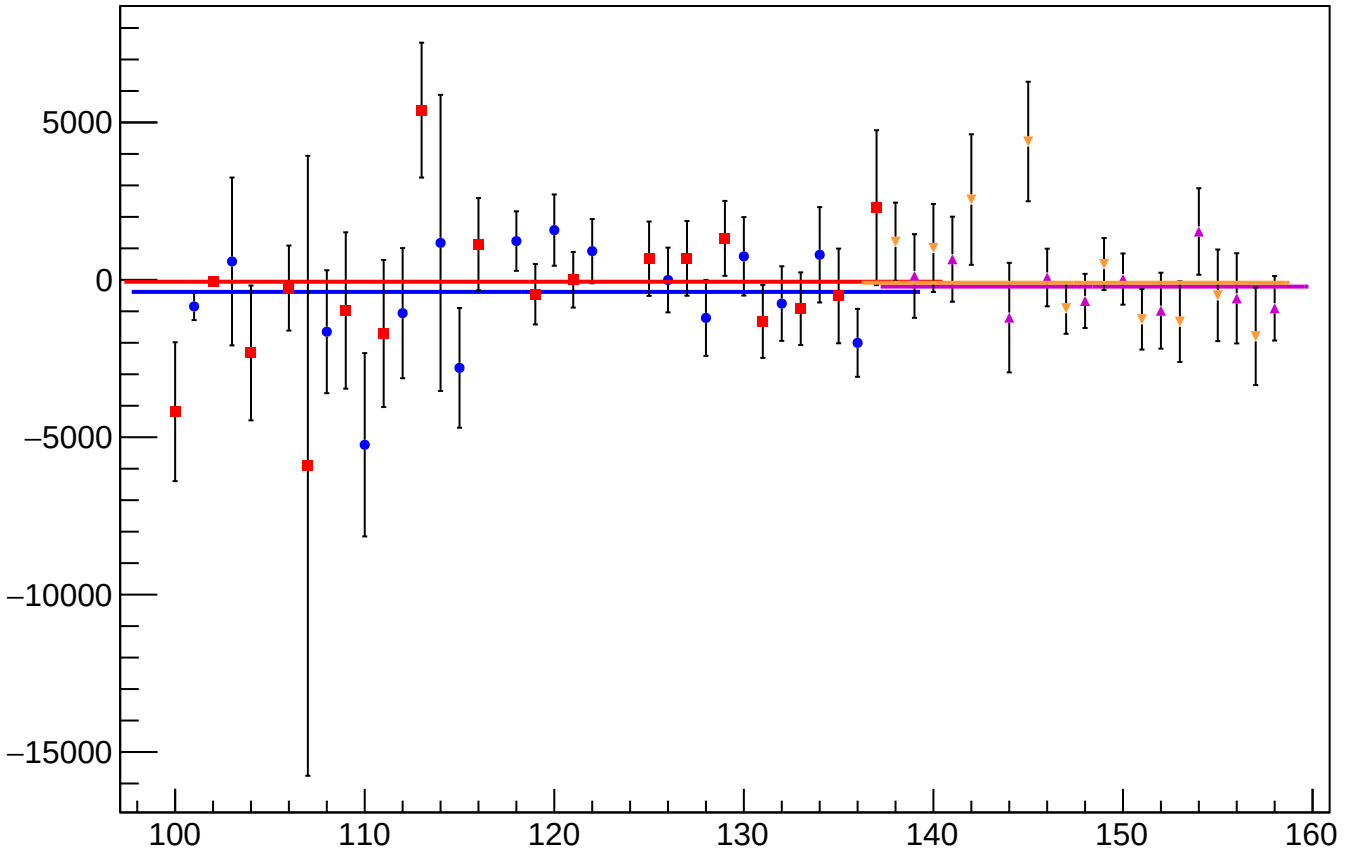
Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1481.978+/-0.355 χ^2/NDF:1898.3/9

+ sign 1504.782+/-0.274 χ^2/NDF: 139112.1/25

All: 1515.696+/-0.192 χ^2/NDF: 353253.9/53

- sign 1526.290+/-0.270 χ^2/NDF: 211020.5/27



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: -91.918+/-371.968 χ^2/NDF:14.1/9

Right Out: -59.970+/-127.700 χ^2/NDF: 17.8/17

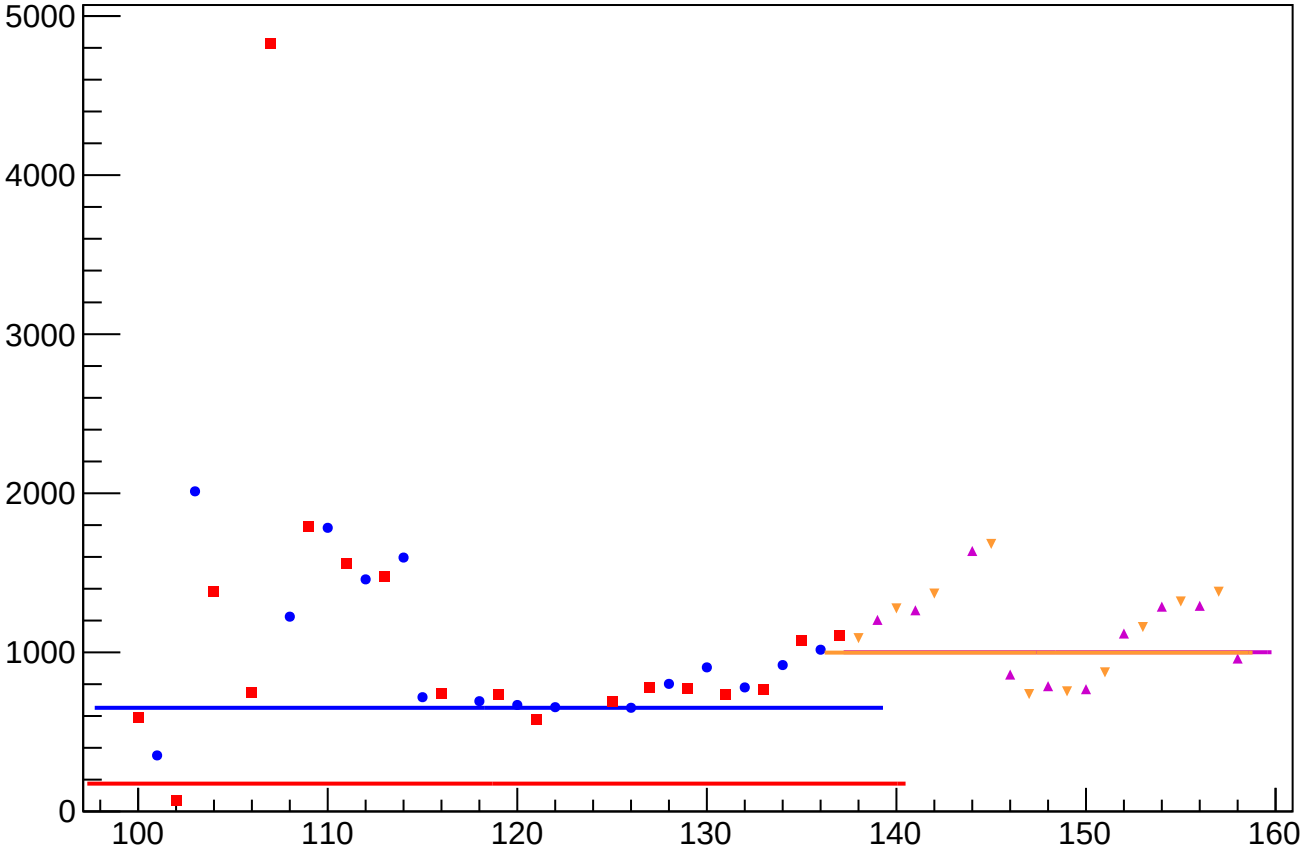
Left In: -215.164+/-350.150 χ^2/NDF:3.8/9

+ sign -281.342+/-219.670 χ^2/NDF: 32.7/25

All: -124.862+/-105.292 χ^2/NDF: 55.1/53

- sign -78.189+/-119.971 χ^2/NDF: 21.8/27

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 998.501+/-0.263 χ^2/NDF:1076625.4/9

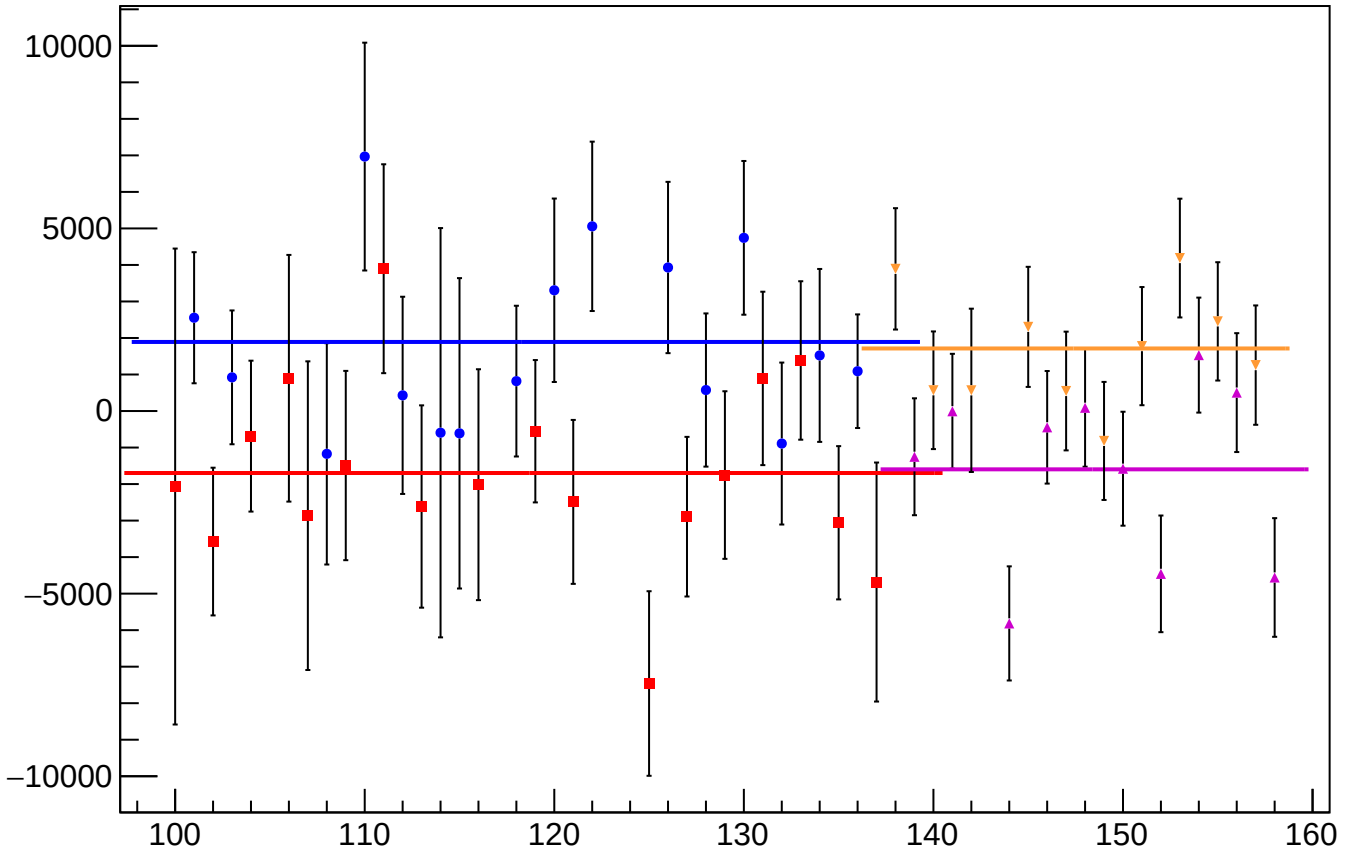
Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

Left In: 1000.871+/-0.248 χ^2/NDF:915608.3/9

+ sign 772.536+/-0.155 χ^2/NDF: 4972622.5/25

All: 386.889+/-0.074 χ^2/NDF: 33474567.4/53

- sign 271.862+/-0.085 χ^2/NDF: 20499322.5/27



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1713.217+/-527.439 χ^2/NDF:8.2/9

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

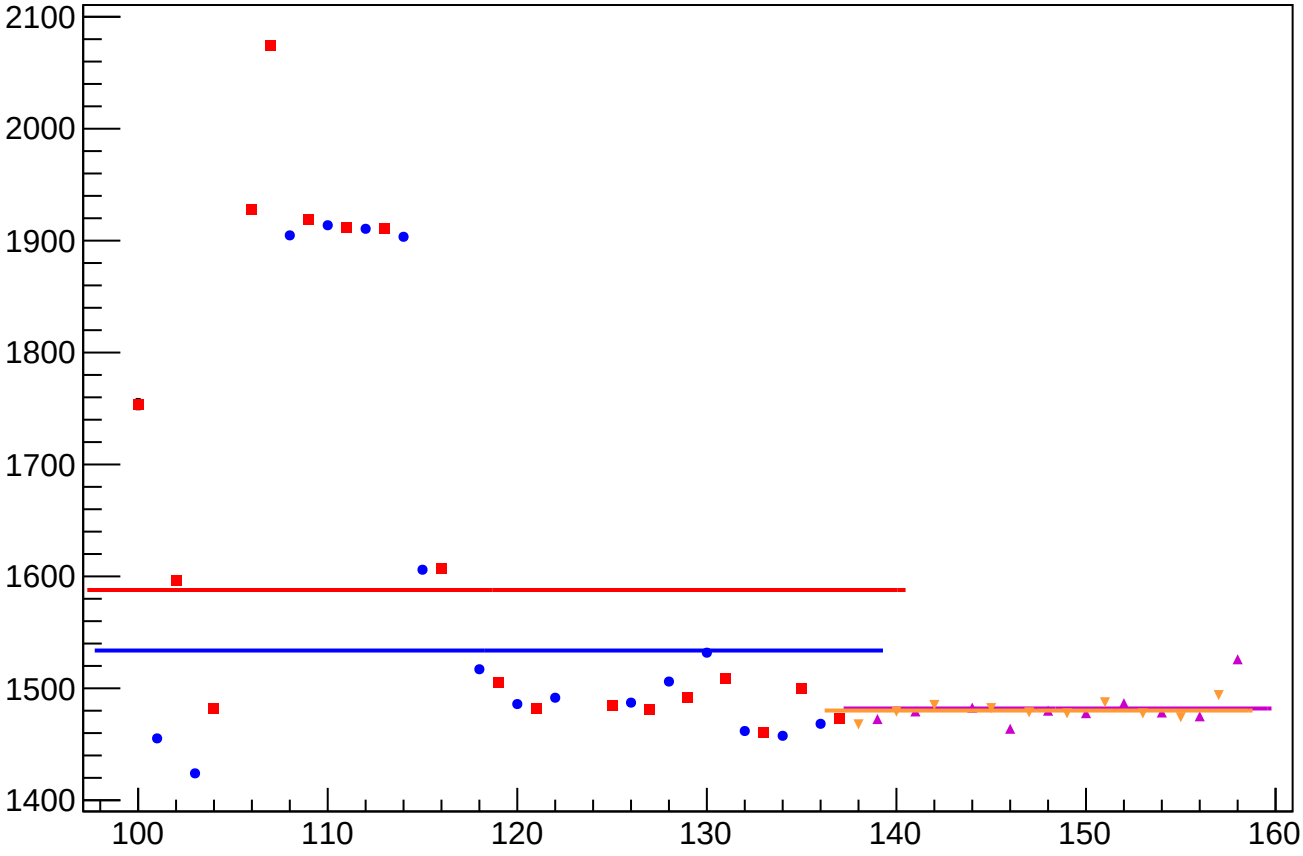
Left In: -1596.635+/-501.745 χ^2/NDF:22.2/9

+ sign 1795.135+/-387.829 χ^2/NDF: 20.5/25

All: 52.803+/-272.203 χ^2/NDF: 98.6/53

- sign -1638.776+/-382.139 χ^2/NDF: 38.3/27

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1480.155+/-0.373 χ^2/NDF:347.8/9

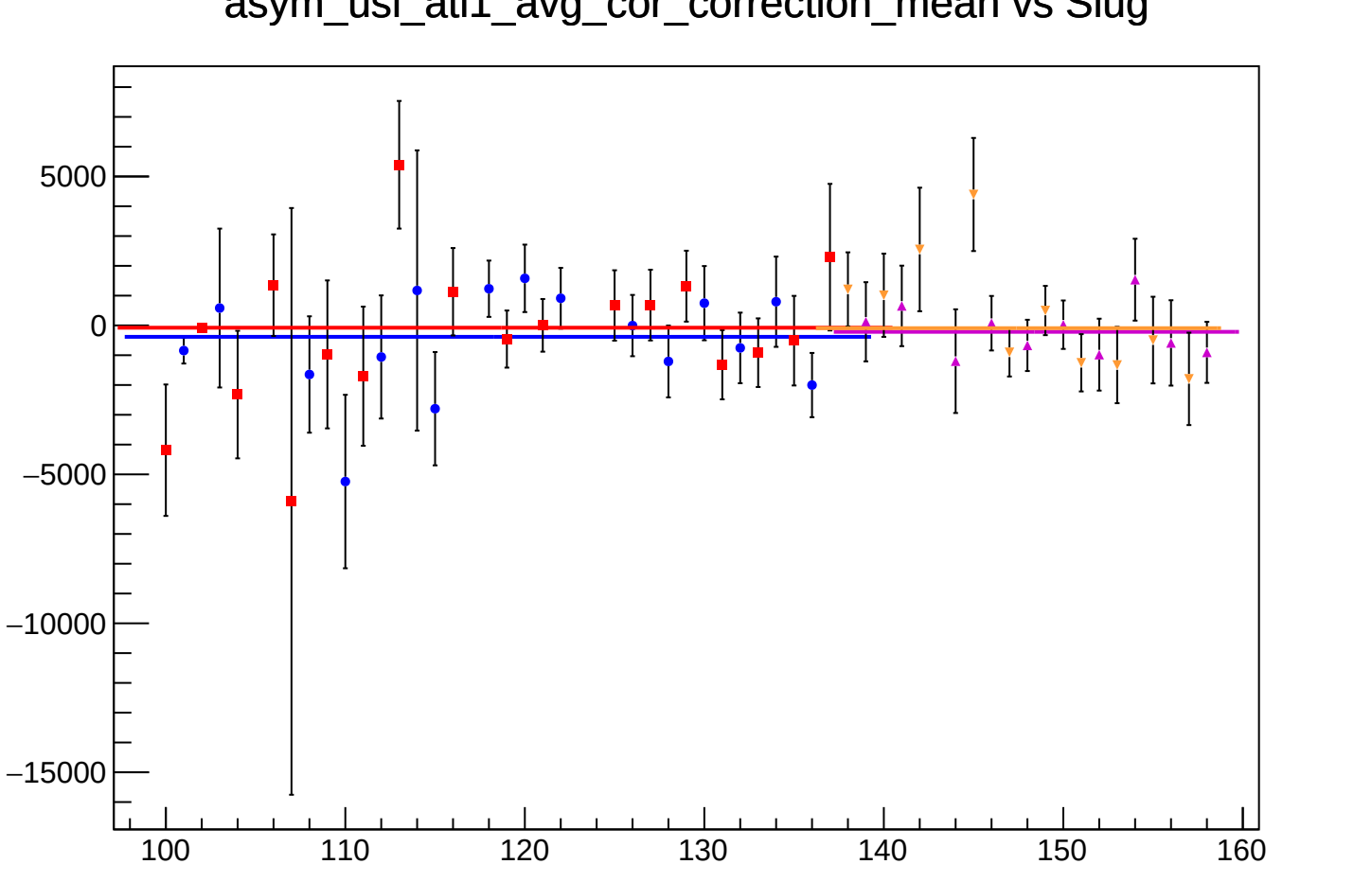
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1481.978+/-0.355 χ^2/NDF:1898.3/9

+ sign 1504.782+/-0.274 χ^2/NDF: 139112.1/25

All: 1515.769+/-0.192 χ^2/NDF: 355332.7/53

- sign 1526.436+/-0.270 χ^2/NDF: 213057.3/27



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -92.130+/-371.971 χ^2/NDF:14.1/9

Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

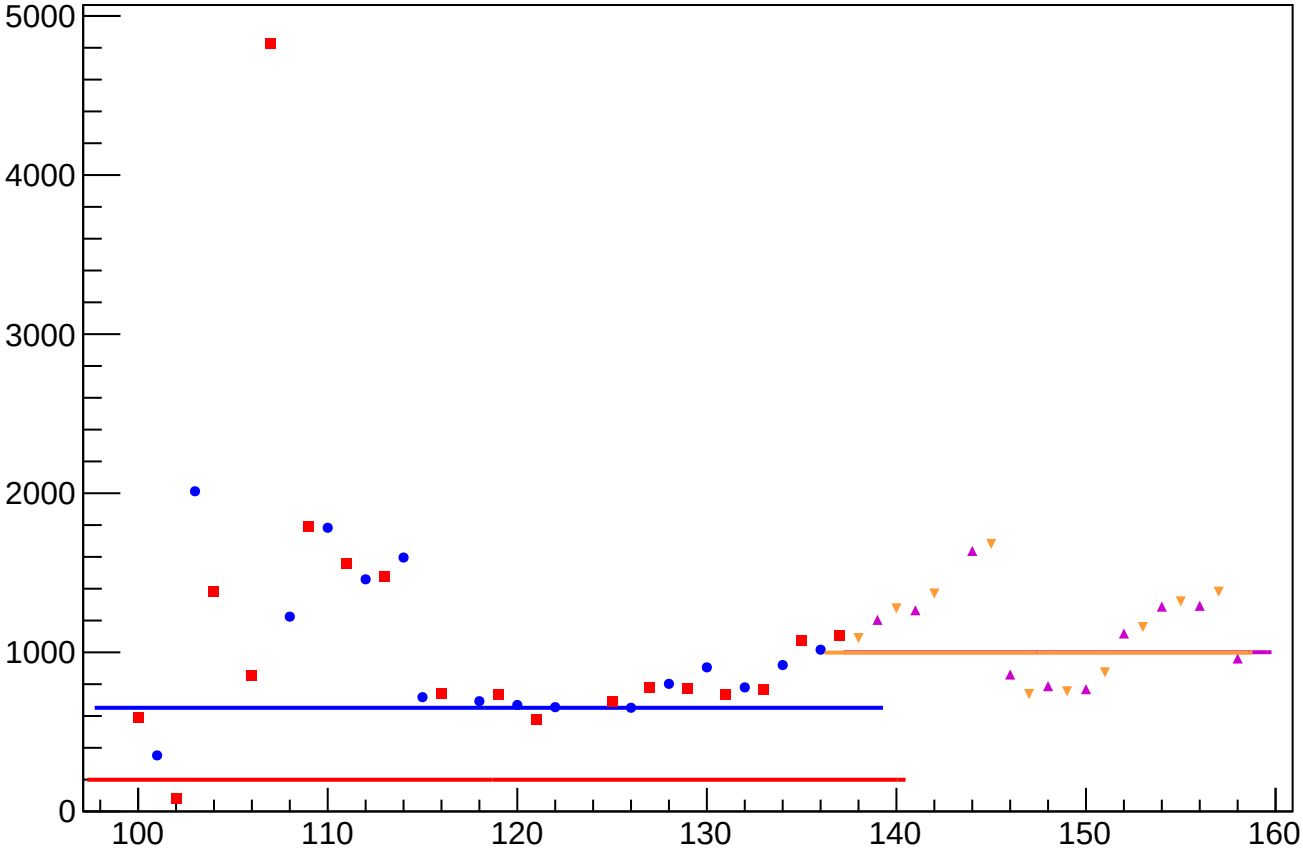
Left In: -215.245+/-350.149 χ^2/NDF:3.8/9

\+ sign -281.401+/-219.671 χ^2/NDF: 32.7/25

All: -142.824+/-110.916 χ^2/NDF: 55.7/53

\- sign -95.406+/-128.499 χ^2/NDF: 22.4/27

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 998.511+/-0.263 χ^2/NDF:1076621.3/9

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

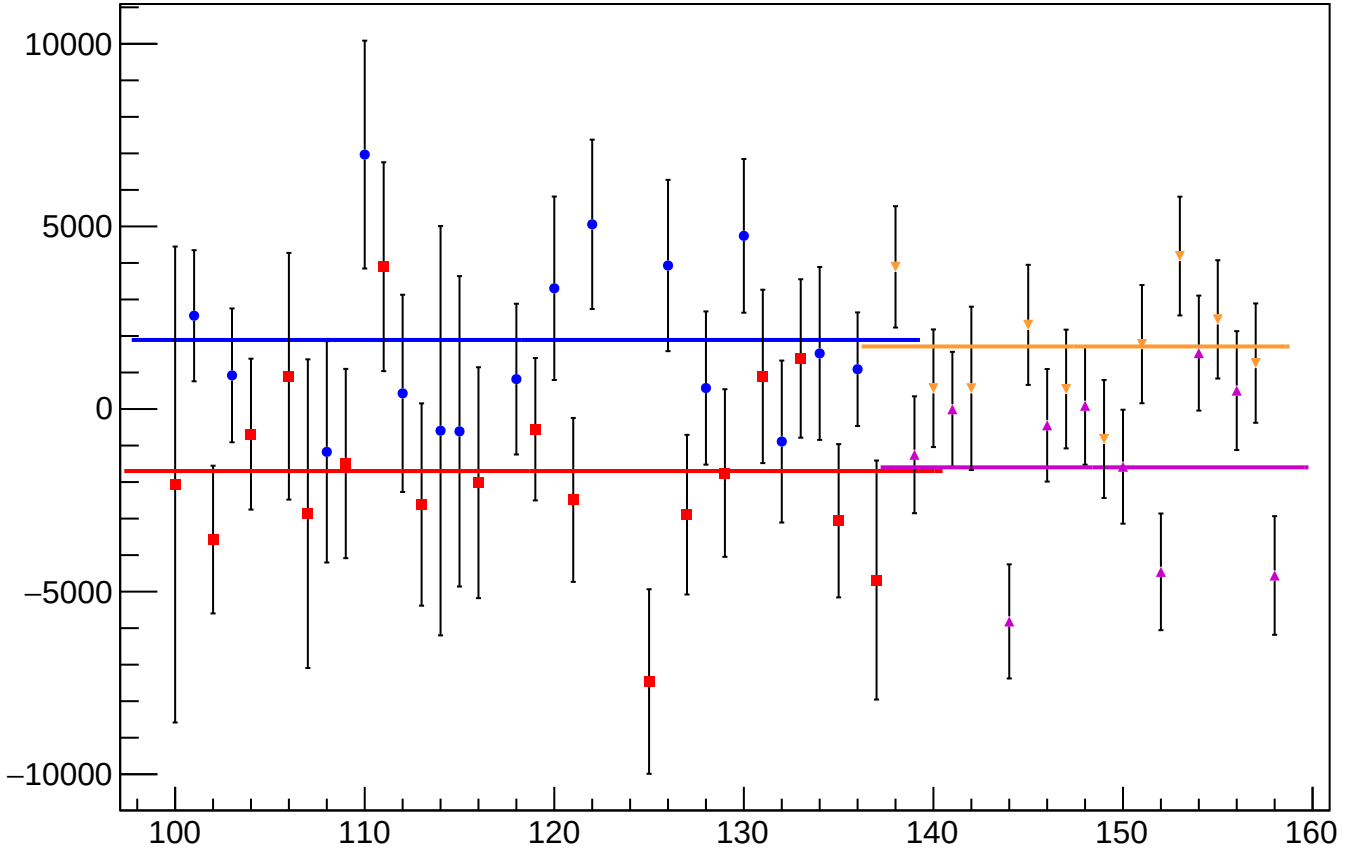
Left In: 1000.868+/-0.248 χ^2/NDF:915659.8/9

+ sign 772.538+/-0.155 χ^2/NDF: 4972710.9/25

All: 425.902+/-0.078 χ^2/NDF: 30925744.1/53

- sign 307.290+/-0.091 χ^2/NDF: 19268959.9/27

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1713.217+/-527.439 χ^2/NDF:8.2/9

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

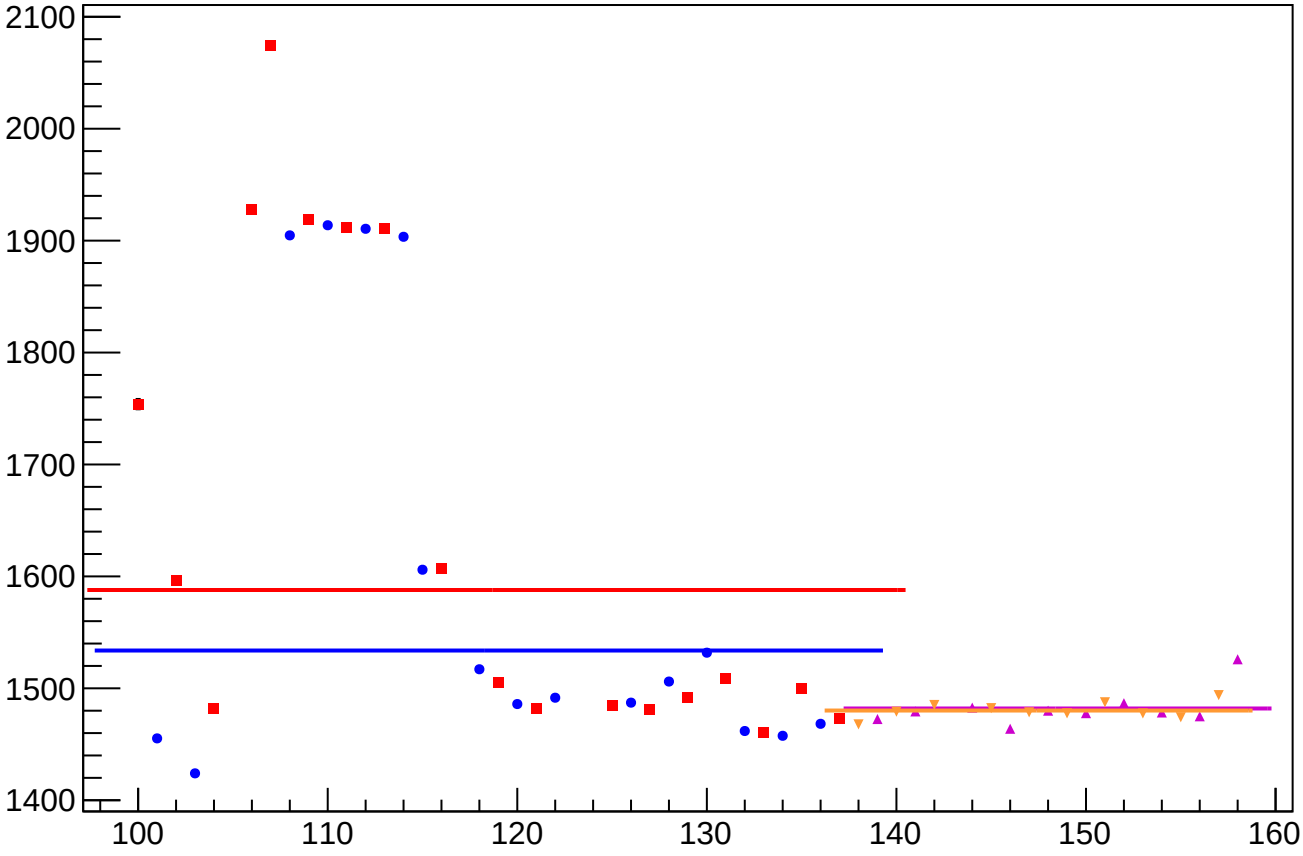
Left In: -1596.635+/-501.745 χ^2/NDF:22.2/9

+ sign 1795.135+/-387.829 χ^2/NDF: 20.5/25

All: 52.803+/-272.203 χ^2/NDF: 98.6/53

- sign -1638.776+/-382.139 χ^2/NDF: 38.3/27

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1480.155+/-0.373 χ^2/NDF:347.8/9

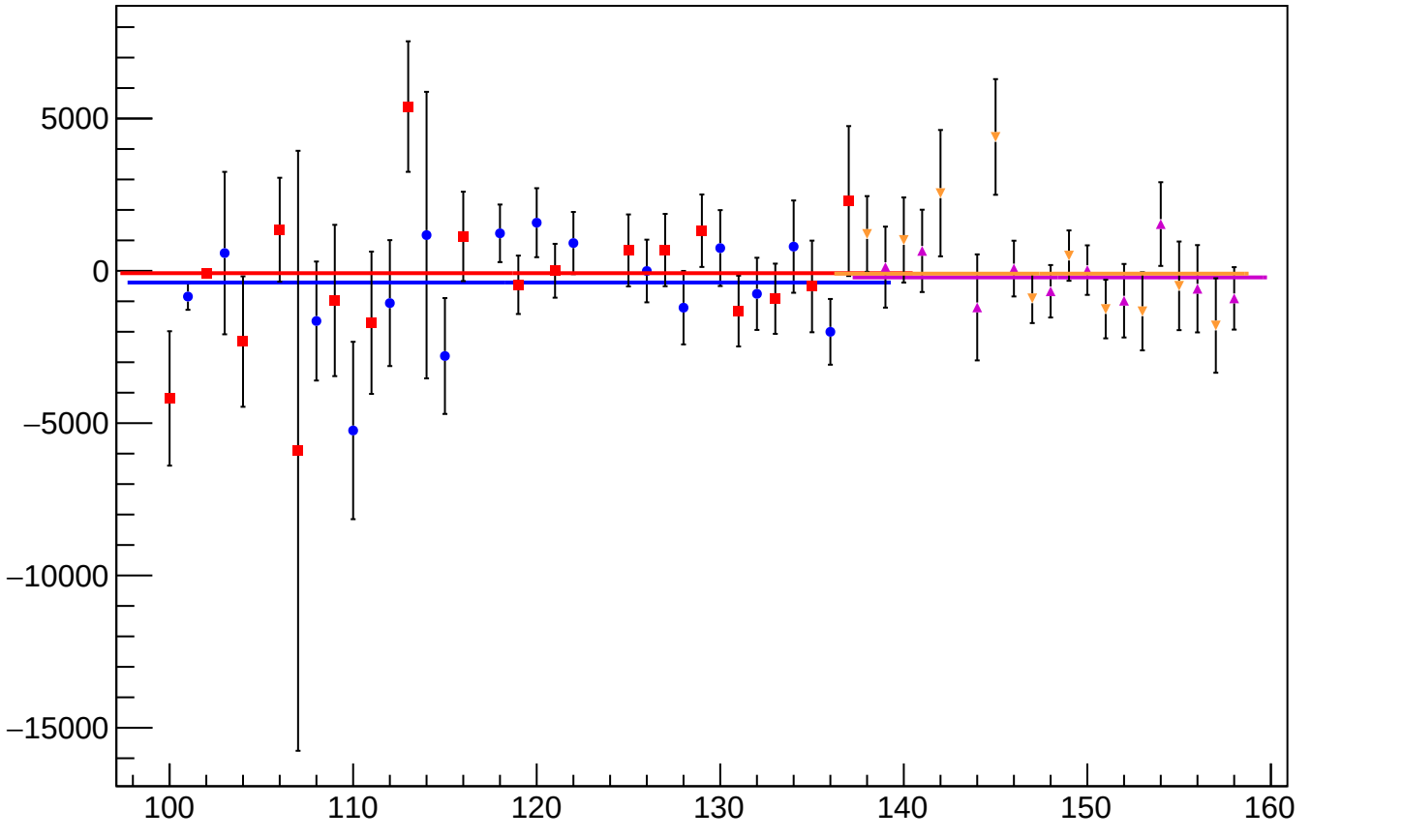
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1481.978+/-0.355 χ^2/NDF:1898.3/9

+ sign 1504.782+/-0.274 χ^2/NDF: 139112.1/25

All: 1515.769+/-0.192 χ^2/NDF: 355332.7/53

- sign 1526.436+/-0.270 χ^2/NDF: 213057.3/27



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -92.130+/-371.971 χ^2/NDF:14.1/9

Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

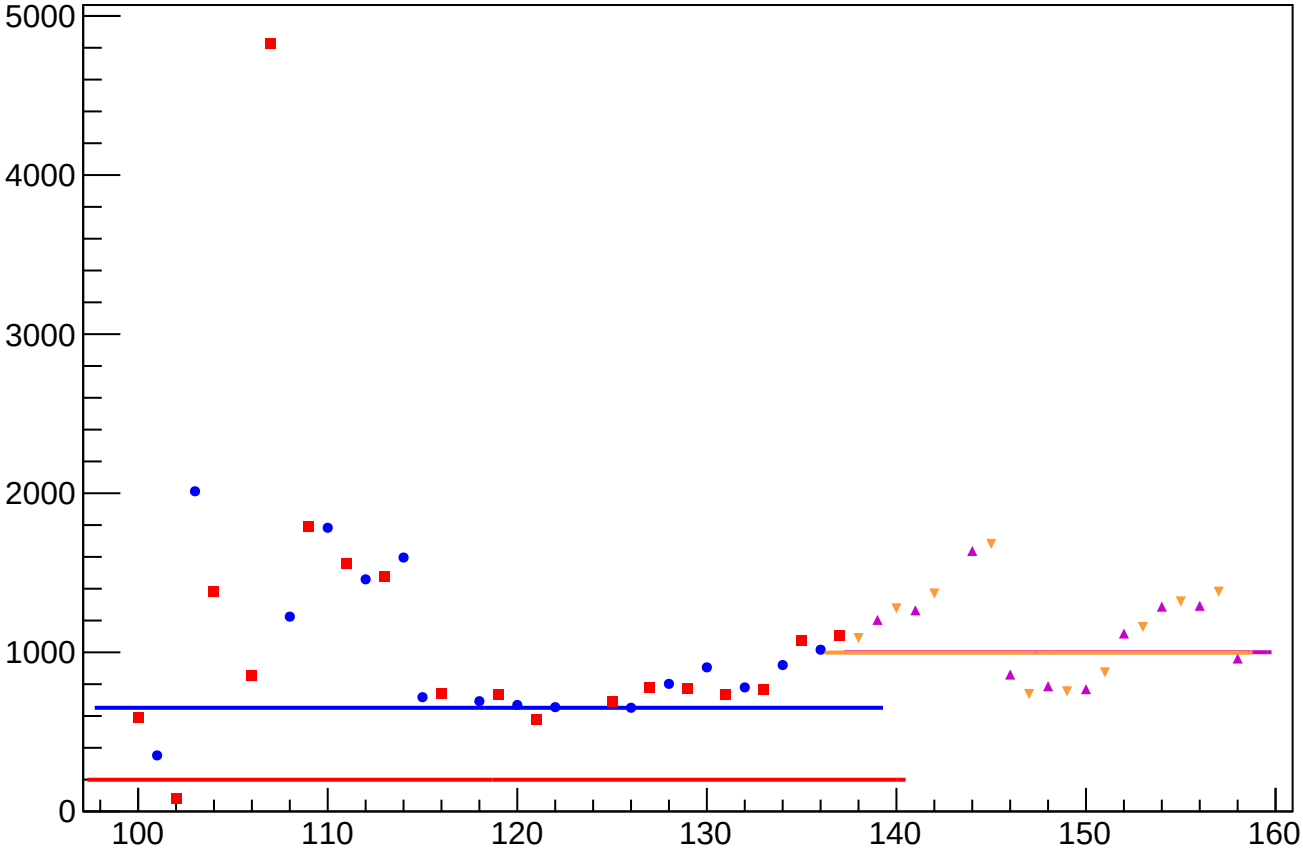
Left In: -215.245+/-350.149 χ^2/NDF:3.8/9

\+ sign -281.401+/-219.671 χ^2/NDF: 32.7/25

All: -142.824+/-110.916 χ^2/NDF: 55.7/53

\- sign -95.406+/-128.499 χ^2/NDF: 22.4/27

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 998.511+/-0.263 χ^2/NDF:1076621.3/9

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

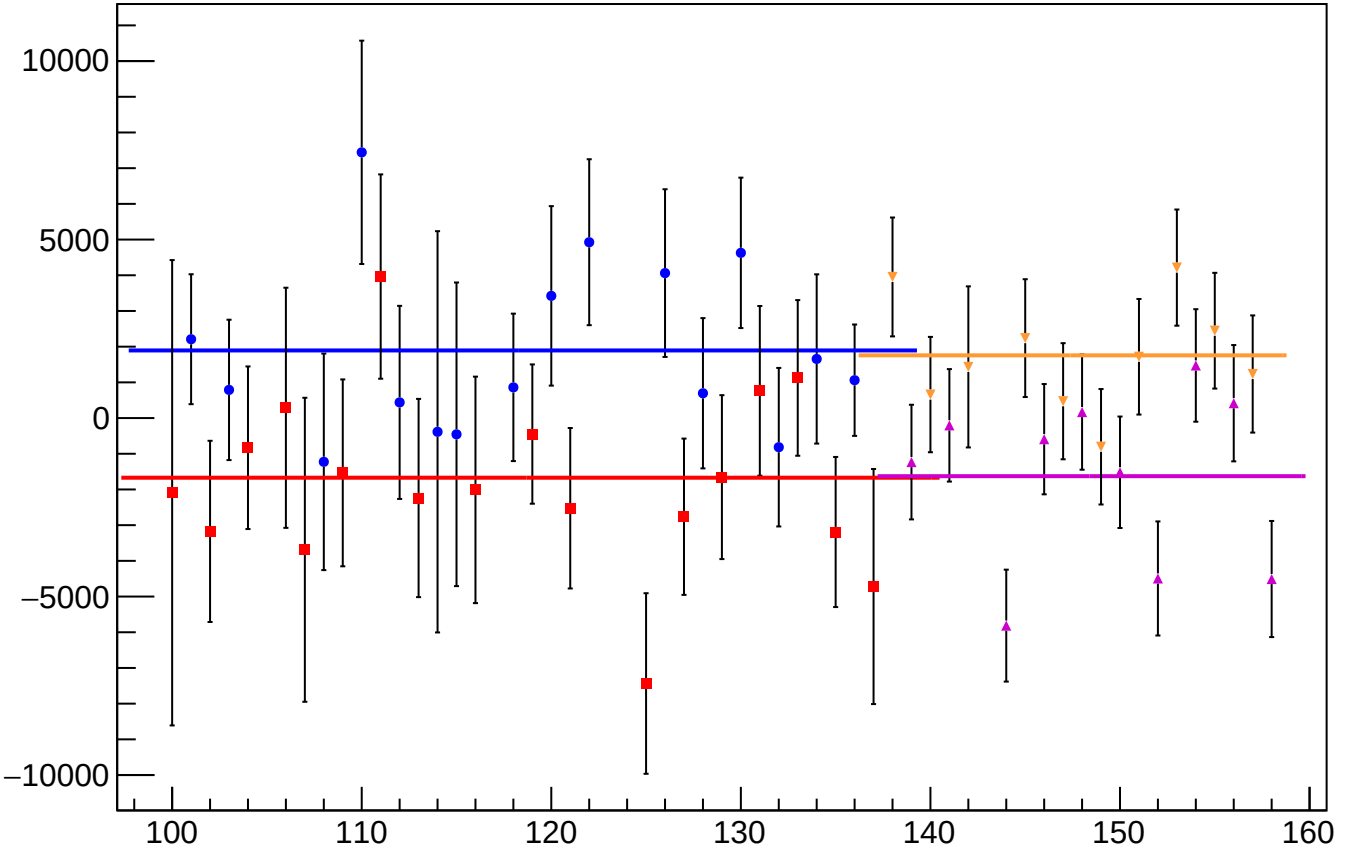
Left In: 1000.868+/-0.248 χ^2/NDF:915659.8/9

+ sign 772.538+/-0.155 χ^2/NDF: 4972710.9/25

All: 425.902+/-0.078 χ^2/NDF: 30925744.1/53

- sign 307.290+/-0.091 χ^2/NDF: 19268959.9/27

dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 1757.211+/-528.617 χ^2/NDF:8.0/9

Right Out: -1670.933+/-604.838 χ^2/NDF: 15.0/17

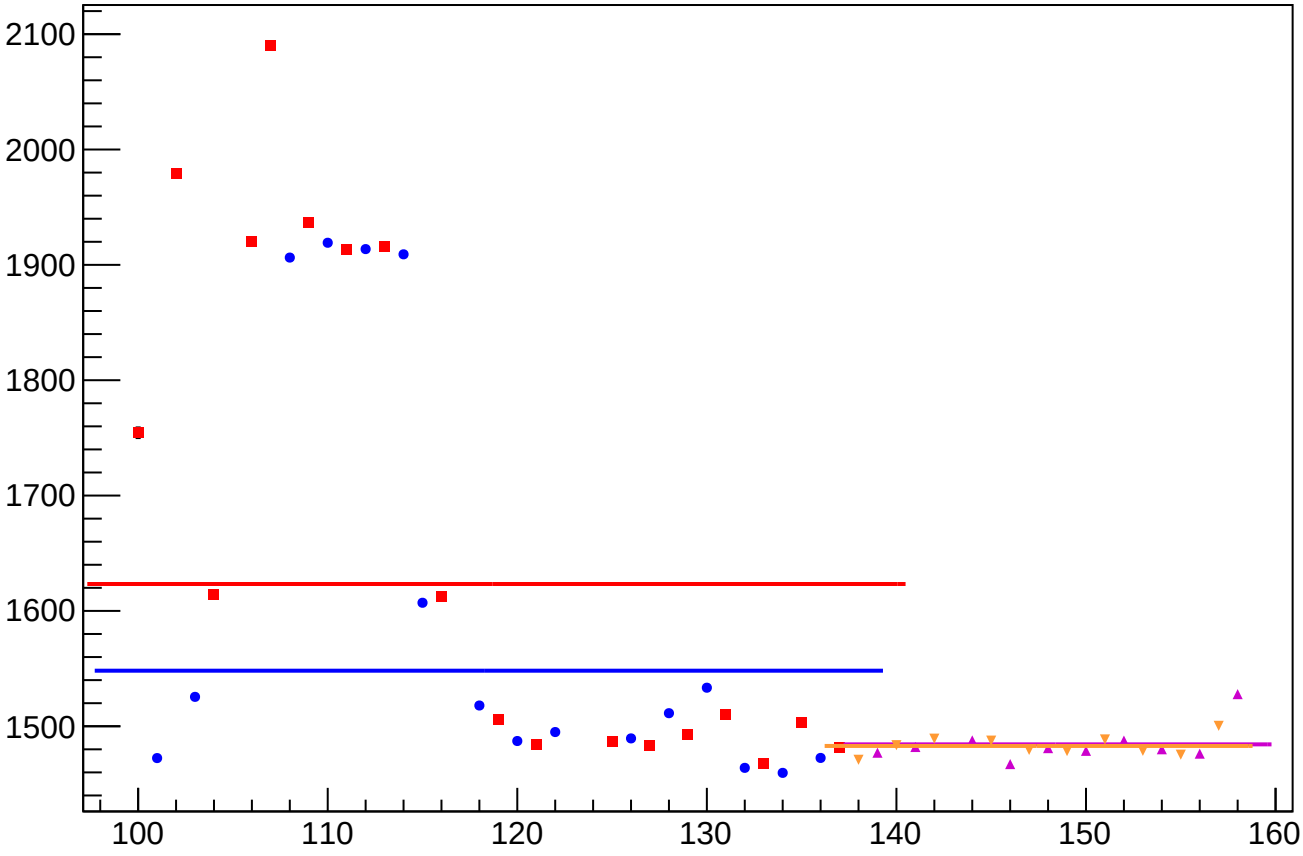
Left In: -1628.030+/-502.541 χ^2/NDF:21.5/9

+ sign 1819.635+/-389.967 χ^2/NDF: 20.3/25

All: 71.707+/-274.525 χ^2/NDF: 96.7/53

- sign -1645.552+/-386.531 χ^2/NDF: 36.5/27

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1482.929+/-0.374 χ^2/NDF:467.0/9

Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

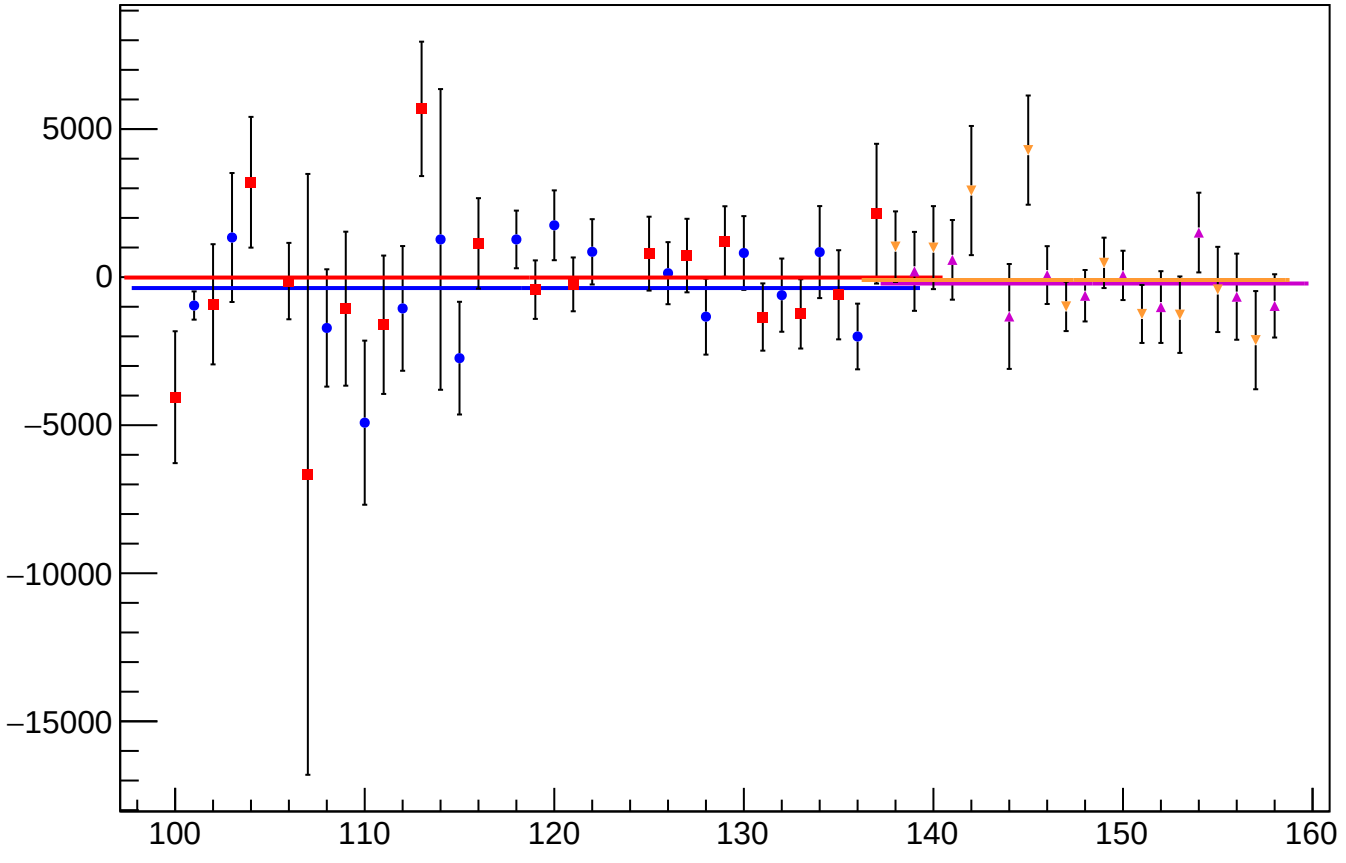
Left In: 1484.304+/-0.355 χ^2/NDF:1838.4/9

+ sign 1512.666+/-0.276 χ^2/NDF: 134259.1/25

All: 1527.000+/-0.194 χ^2/NDF: 415501.9/53

- sign 1541.083+/-0.273 χ^2/NDF: 275885.9/27

asym_usl_atl1_avg_dit_correction_mean vs Slug



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: -96.671+/-377.151 χ^2/NDF:14.4/9

Right Out: -13.729+/-341.569 χ^2/NDF: 19.1/17

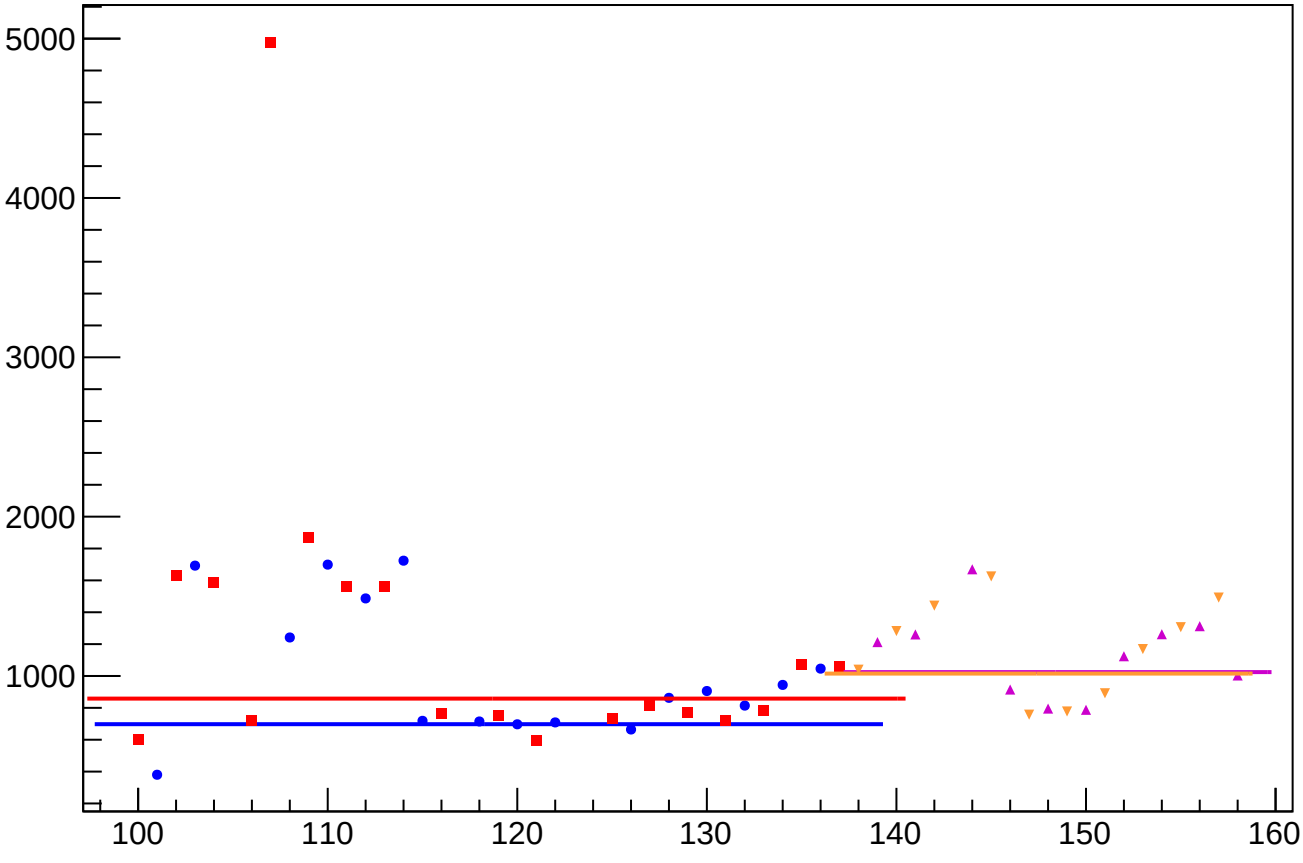
Left In: -215.228+/-357.313 χ^2/NDF:3.9/9

+ sign -269.134+/-228.178 χ^2/NDF: 33.7/25

All: -195.803+/-167.576 χ^2/NDF: 57.0/53

- sign -109.942+/-246.904 χ^2/NDF: 23.2/27

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 1015.061+/-0.267 χ^2/NDF:1023949.9/9

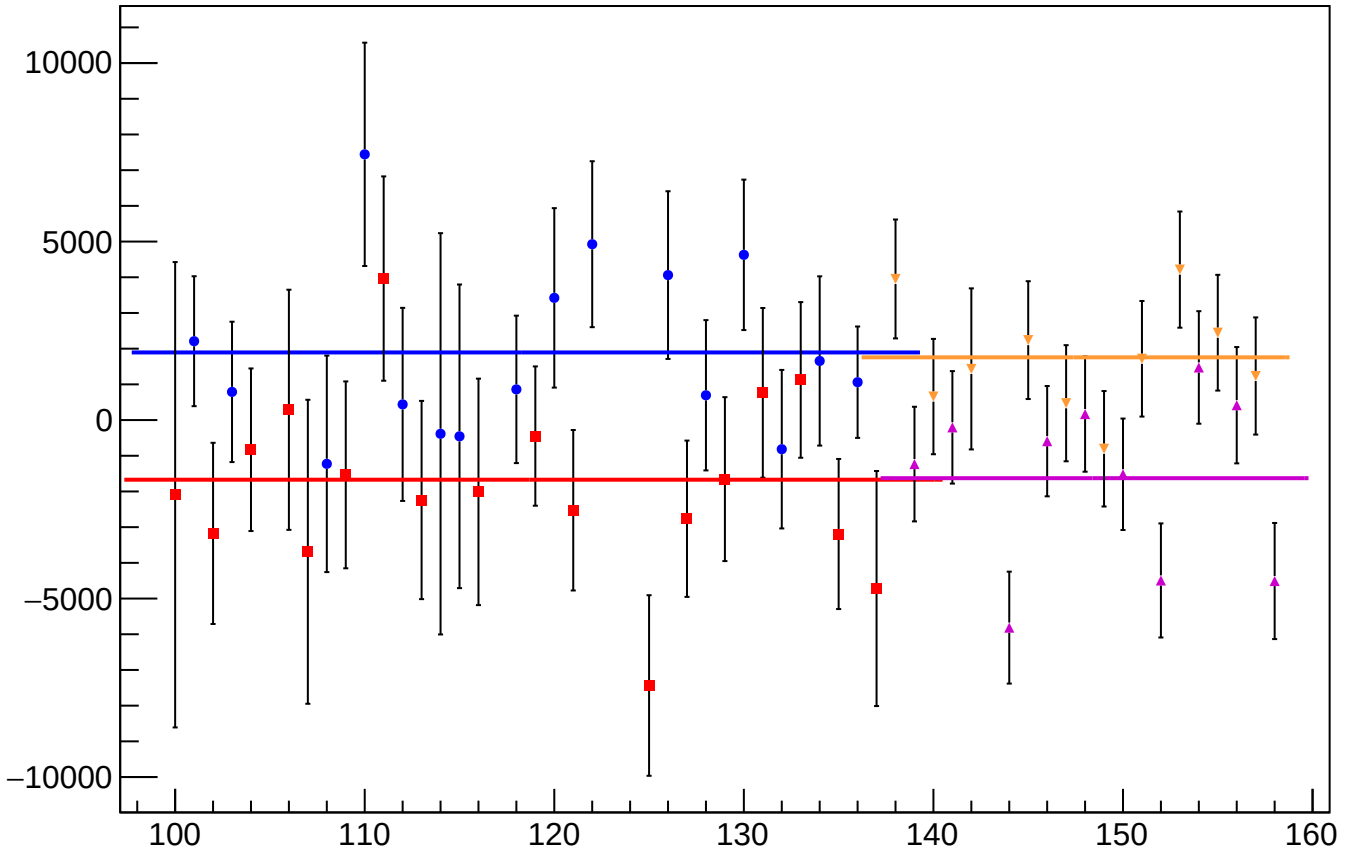
Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

Left In: 1024.406+/-0.253 χ^2/NDF:847809.7/9

+ sign 813.748+/-0.161 χ^2/NDF: 4358380.5/25

All: 870.757+/-0.118 χ^2/NDF: 7585769.8/53

- sign 937.506+/-0.175 χ^2/NDF: 2956372.5/27



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 1757.210+/-528.617 χ^2/NDF:8.0/9

Right Out: -1670.931+/-604.838 χ^2/NDF: 15.0/17

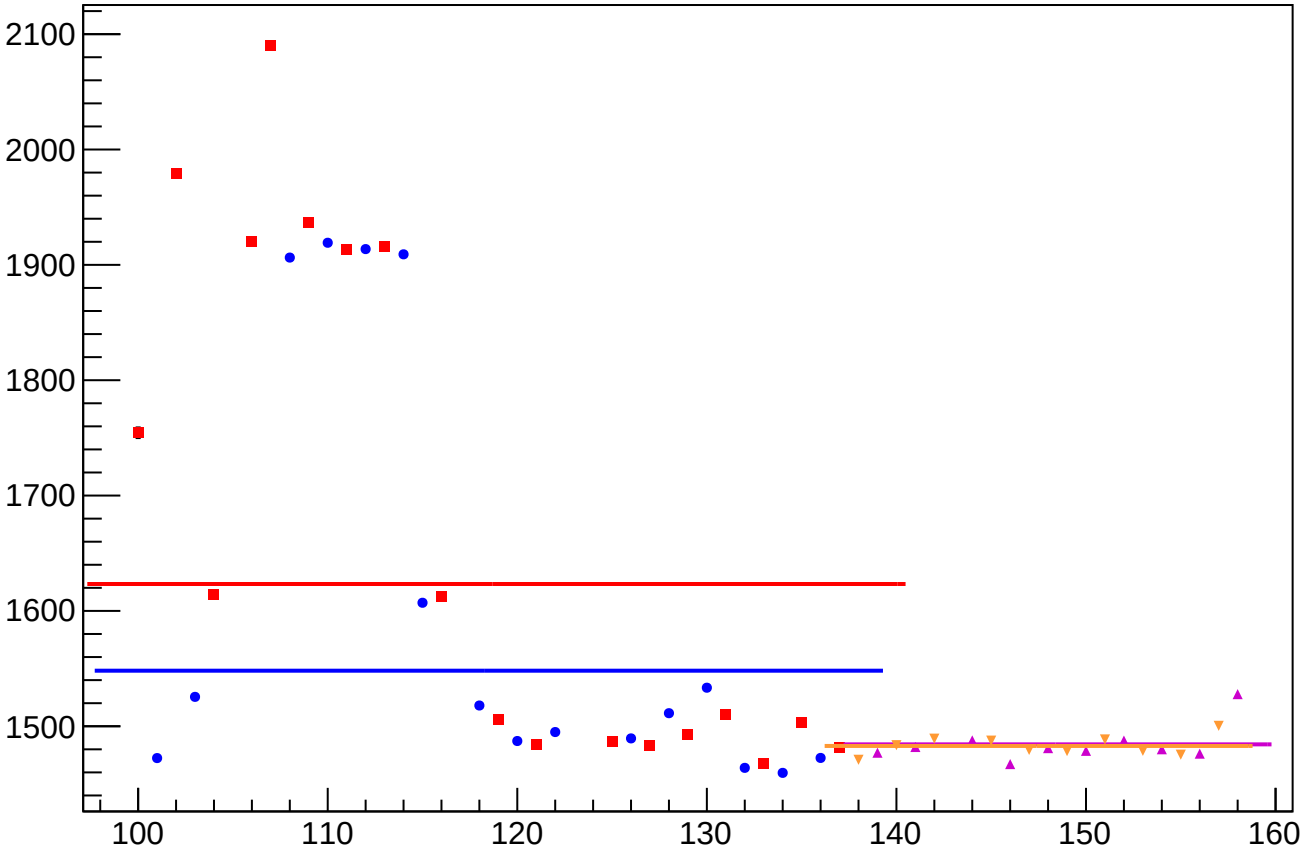
Left In: -1628.031+/-502.541 χ^2/NDF:21.5/9

+ sign 1819.633+/-389.967 χ^2/NDF: 20.3/25

All: 71.707+/-274.525 χ^2/NDF: 96.7/53

- sign -1645.551+/-386.531 χ^2/NDF: 36.5/27

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1482.929+/-0.374 χ^2/NDF:467.0/9

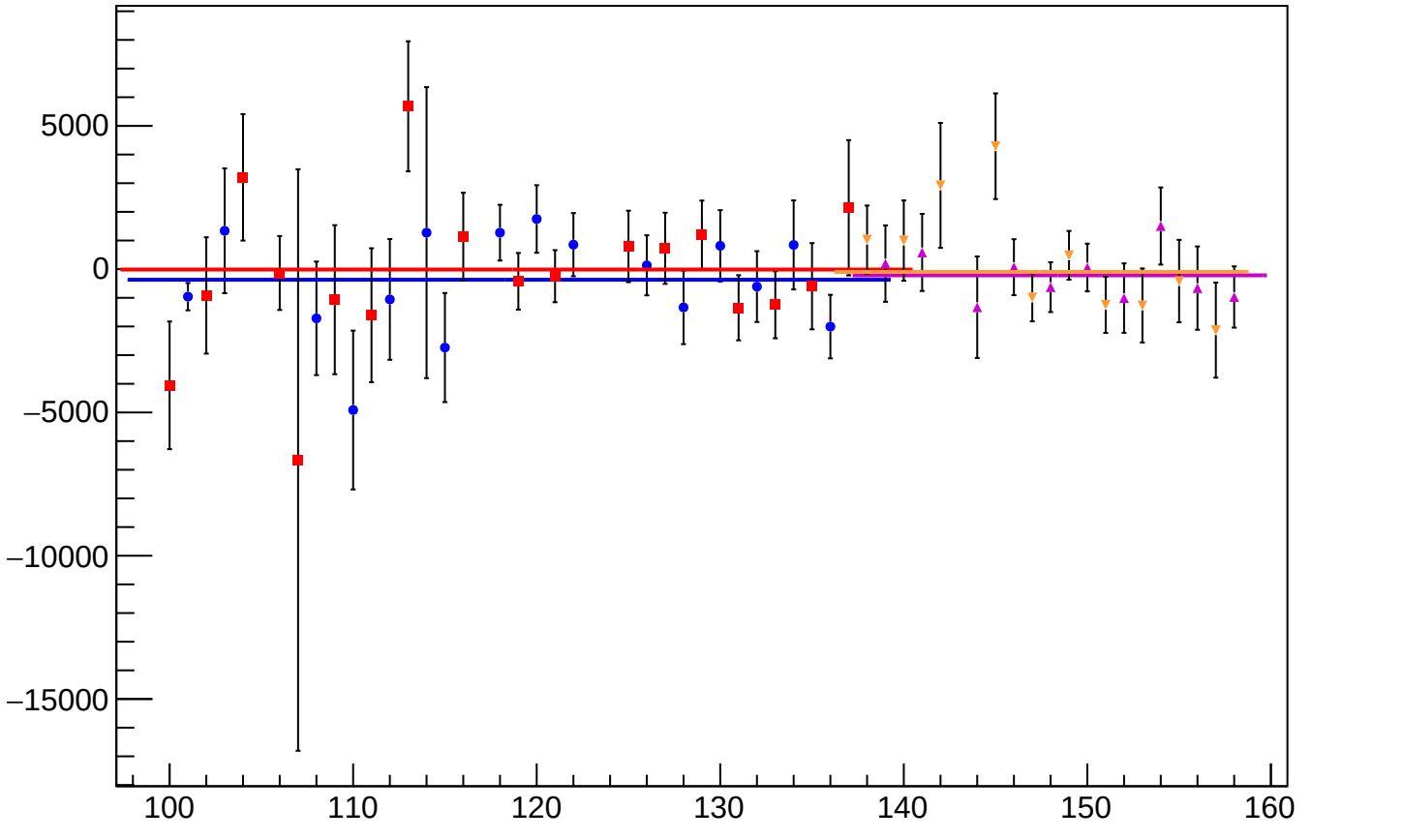
Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1484.304+/-0.355 χ^2/NDF:1838.4/9

+ sign 1512.666+/-0.276 χ^2/NDF: 134259.0/25

All: 1527.000+/-0.194 χ^2/NDF: 415501.5/53

- sign 1541.083+/-0.273 χ^2/NDF: 275885.4/27



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

Left Out: -96.674+/-377.152 χ^2/NDF:14.4/9

Right Out: -13.730+/-341.568 χ^2/NDF: 19.1/17

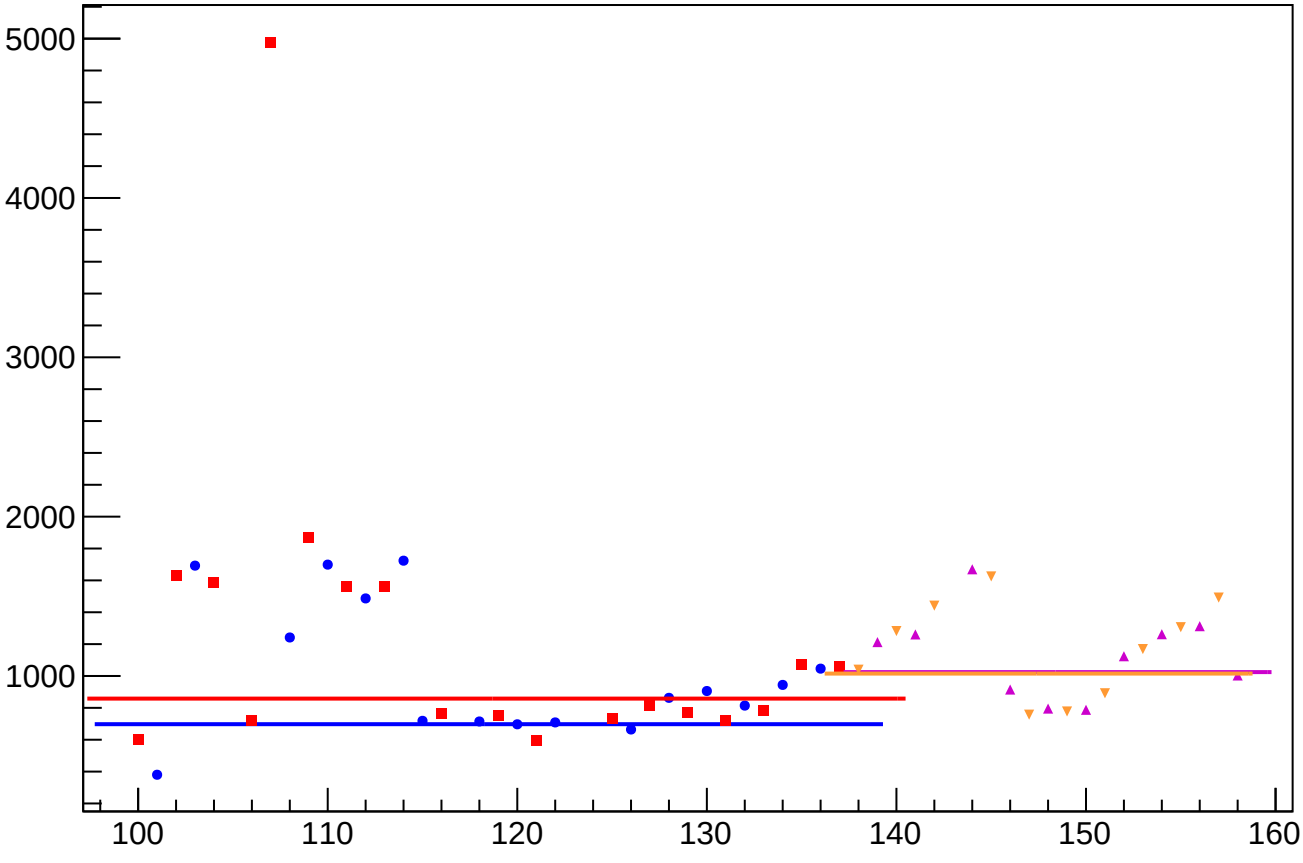
Left In: -215.229+/-357.313 χ^2/NDF:3.9/9

+ sign -269.135+/-228.178 χ^2/NDF: 33.7/25

All: -195.803+/-167.576 χ^2/NDF: 57.0/53

- sign -109.942+/-246.904 χ^2/NDF: 23.2/27

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug



Right In: 697.517+/-0.203 χ^2/NDF: 2435593.9/15

Left Out: 1015.063+/-0.267 χ^2/NDF:1023947.4/9

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

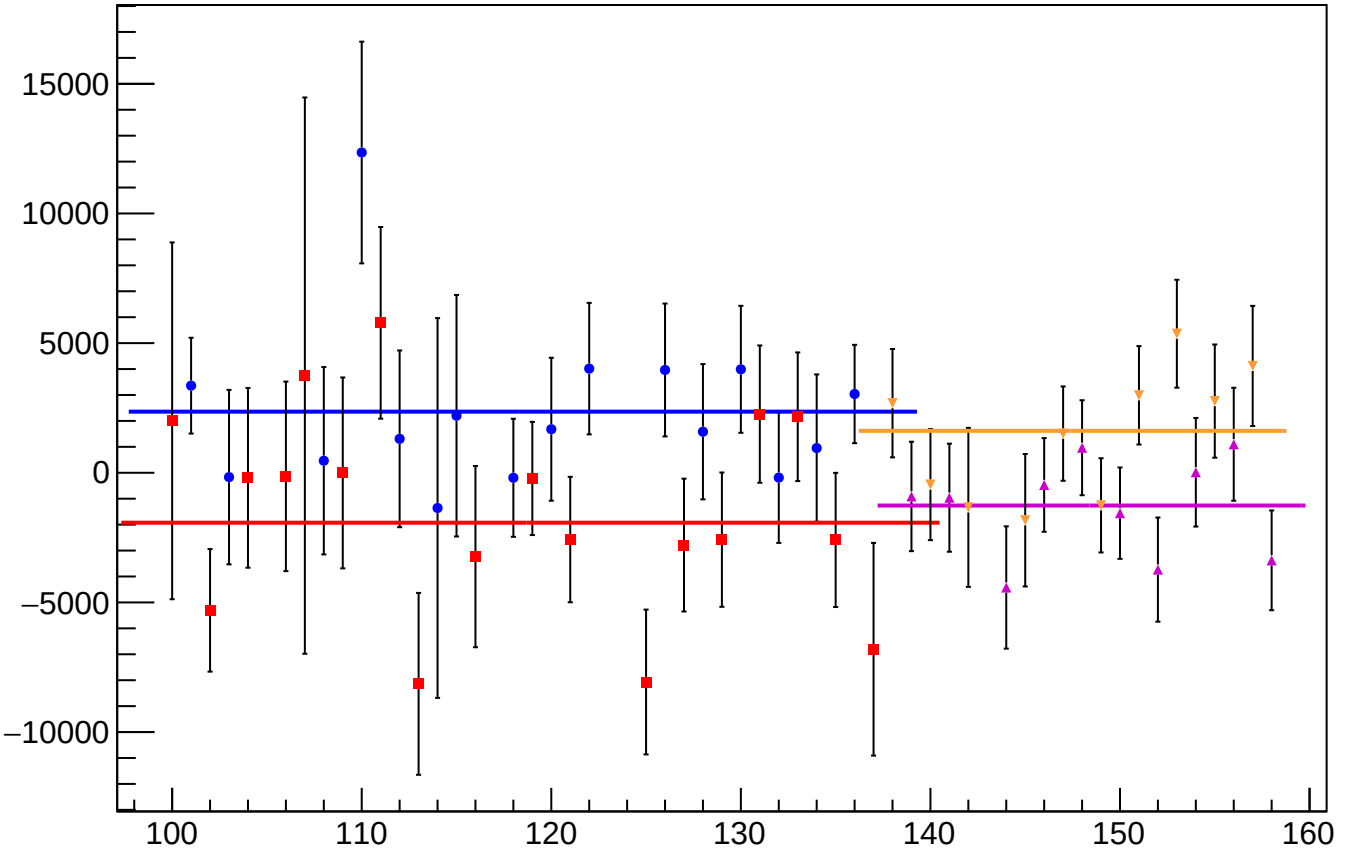
Left In: 1024.408+/-0.253 χ^2/NDF:847806.0/9

+ sign 813.748+/-0.161 χ^2/NDF: 4358377.8/25

All: 870.757+/-0.118 χ^2/NDF: 7585779.2/53

- sign 937.506+/-0.175 χ^2/NDF: 2956387.5/27

asym_usl_atl1_avg_mean vs Slug



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 1616.777+/-671.700 χ^2/NDF:11.7/9

Right Out: -1924.824+/-706.809 χ^2/NDF: 23.4/17

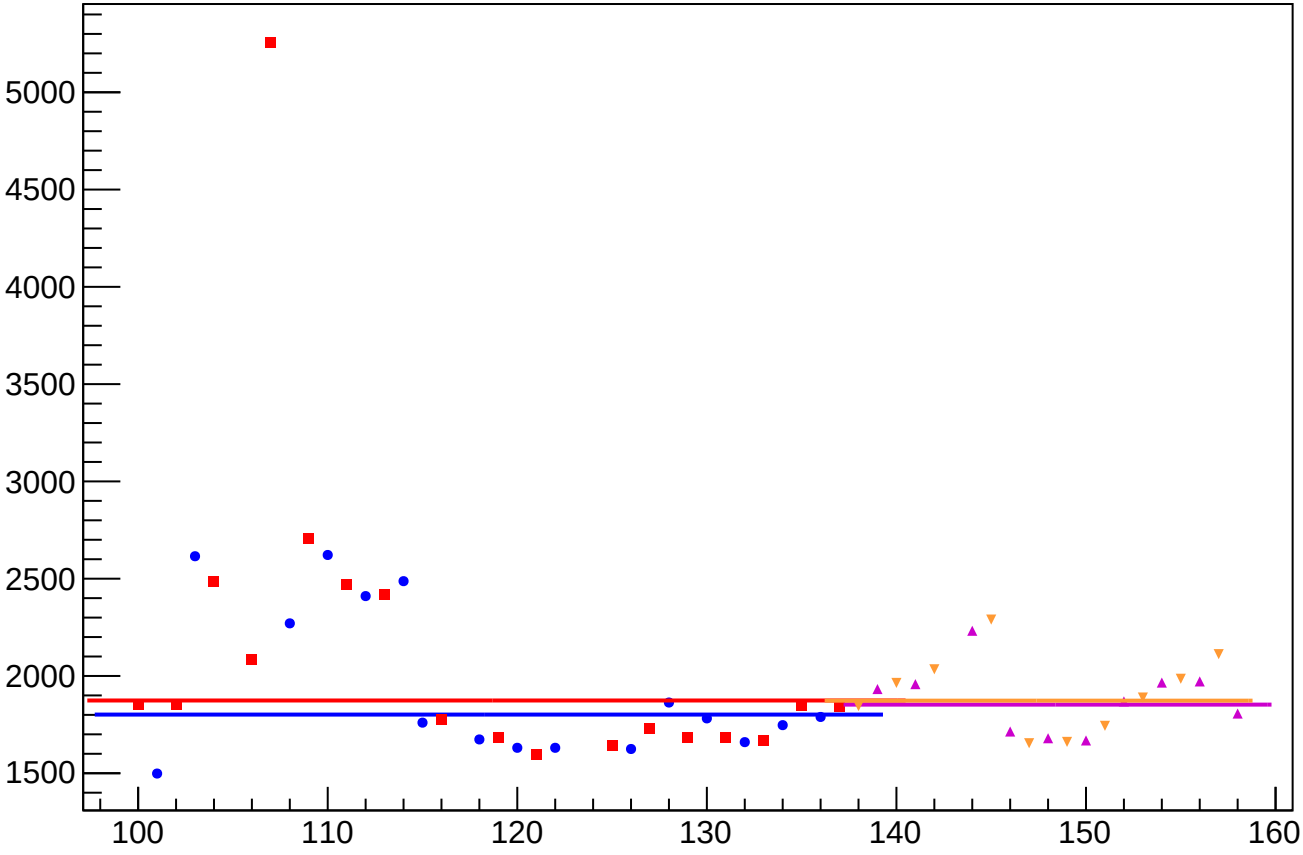
Left In: -1263.428+/-630.161 χ^2/NDF:7.8/9

+ sign 1982.918+/-477.504 χ^2/NDF: 23.3/25

All: 186.635+/-335.094 χ^2/NDF: 82.9/53

- sign -1556.333+/-470.364 χ^2/NDF: 31.7/27

asym_usl_atl1_avg_rms vs Slug



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1873.080+/-0.475 χ^2/NDF:154951.4/9

Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

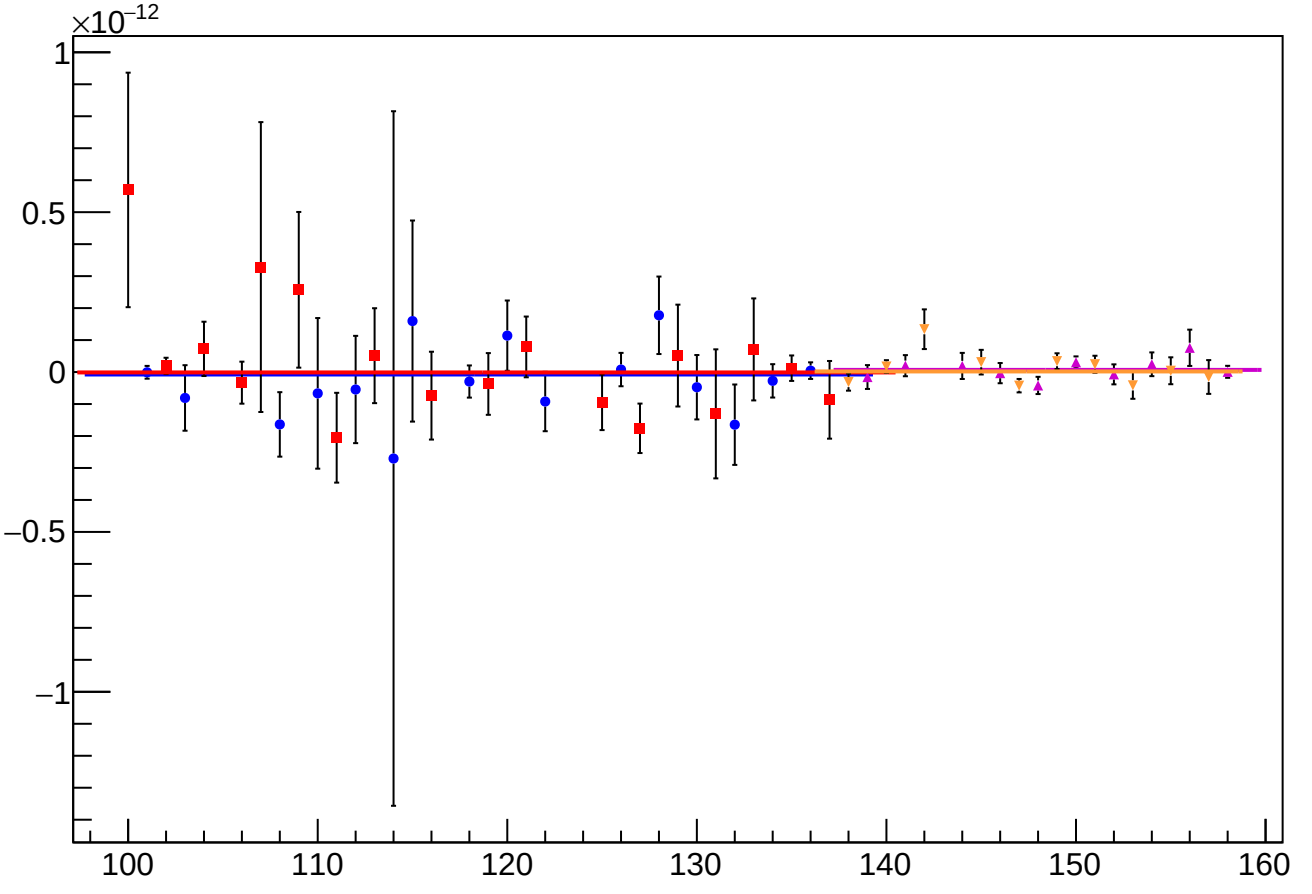
Left In: 1852.732+/-0.446 χ^2/NDF:124279.9/9

+ sign 1837.688+/-0.338 χ^2/NDF: 566879.3/25

All: 1850.098+/-0.237 χ^2/NDF: 1264736.6/53

- sign 1862.140+/-0.333 χ^2/NDF: 695195.5/27

asym_usl_atl1_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.3/9

Right Out: -0.000+/-0.000 χ^2/NDF: 16.7/17

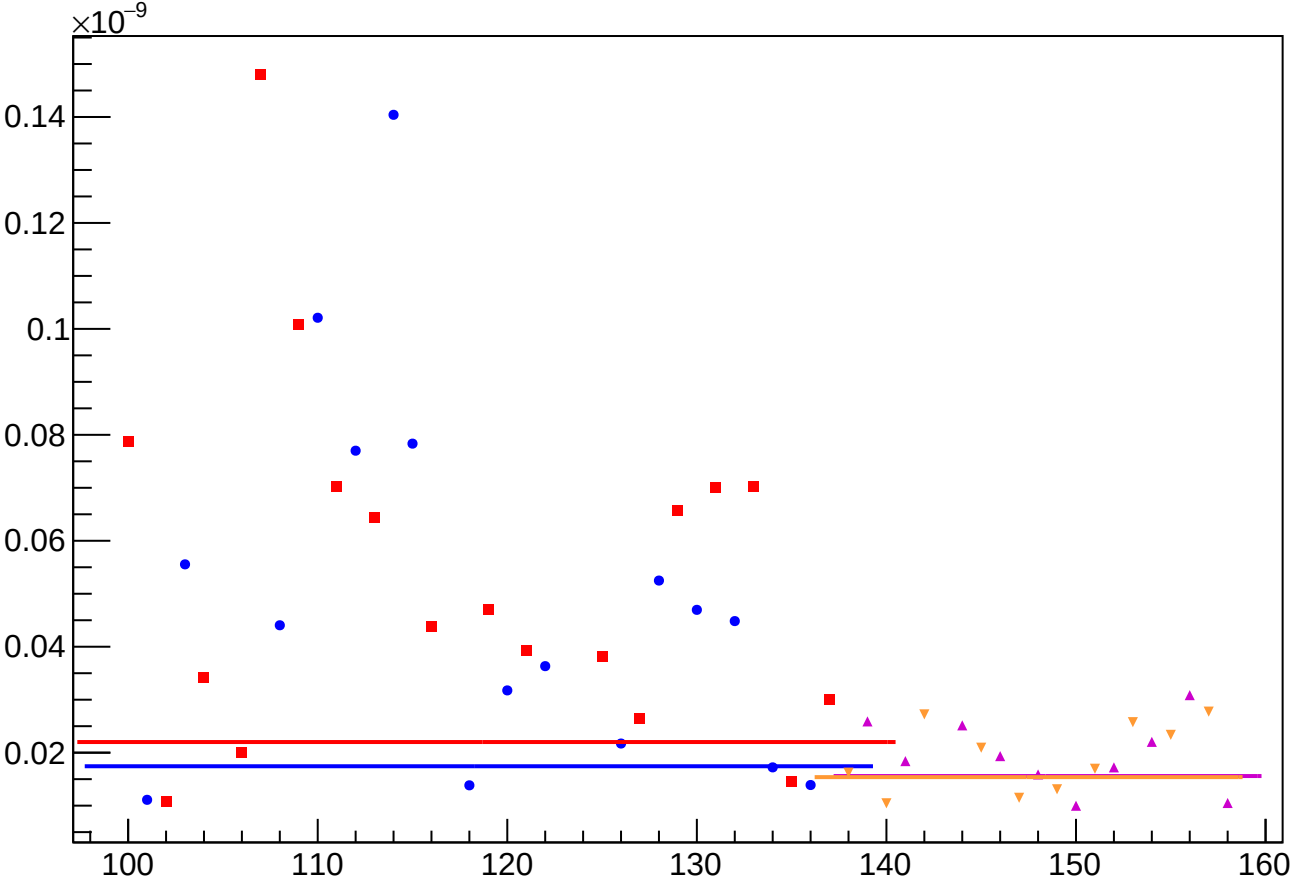
Left In: 0.000+/-0.000 χ^2/NDF:7.7/9

+ sign -0.000+/-0.000 χ^2/NDF: 25.9/25

All: 0.000+/-0.000 χ^2/NDF: 50.7/53

- sign 0.000+/-0.000 χ^2/NDF: 24.5/27

asym_usl_atl1_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1840069.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:636050.4/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2098640.3/17

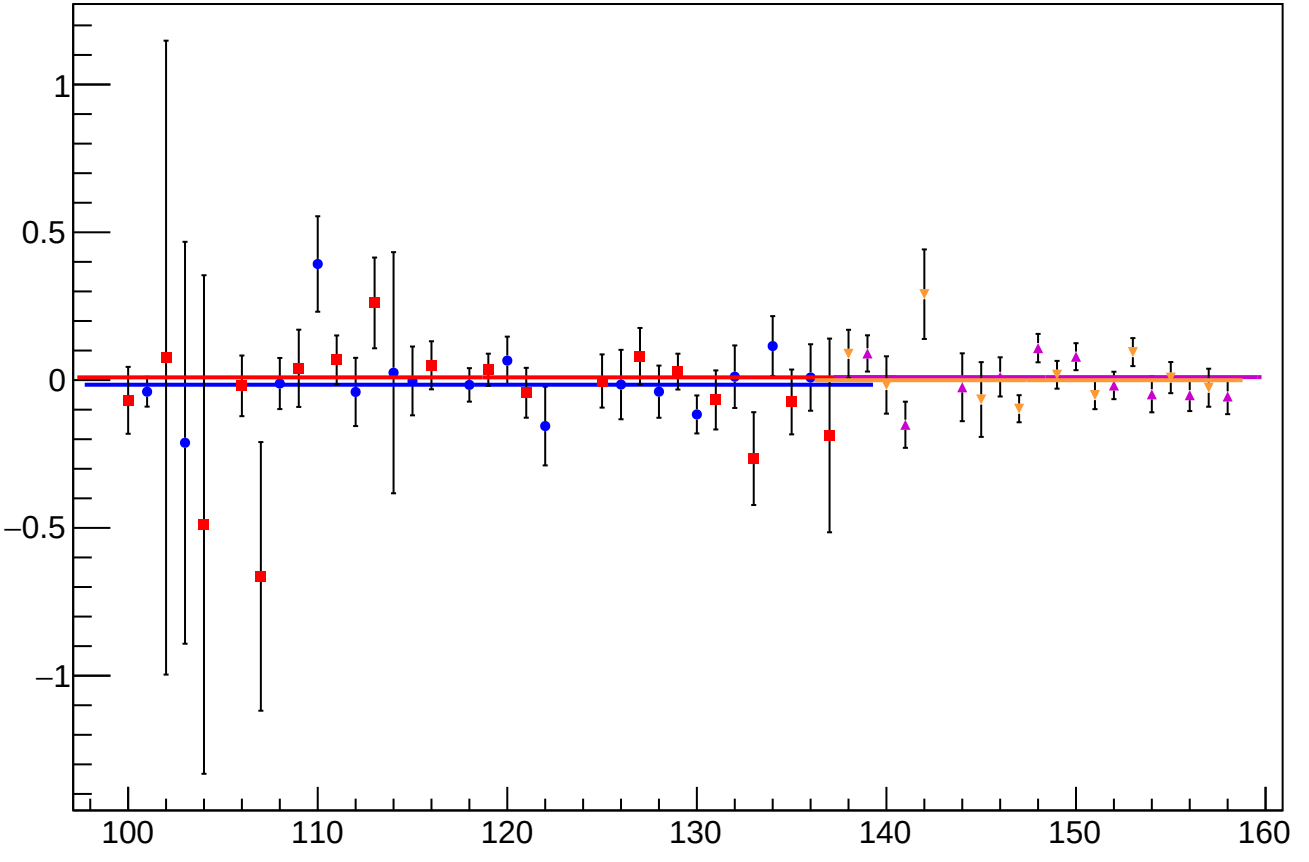
Left In: 0.000+/-0.000 χ^2/NDF:849932.9/9

+ sign 0.000+/-0.000 χ^2/NDF: 2508814.0/25

All: 0.000+/-0.000 χ^2/NDF: 5690959.4/53

- sign 0.000+/-0.000 χ^2/NDF: 3168731.2/27

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.000+/-0.019 χ^2/NDF:15.1/9

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

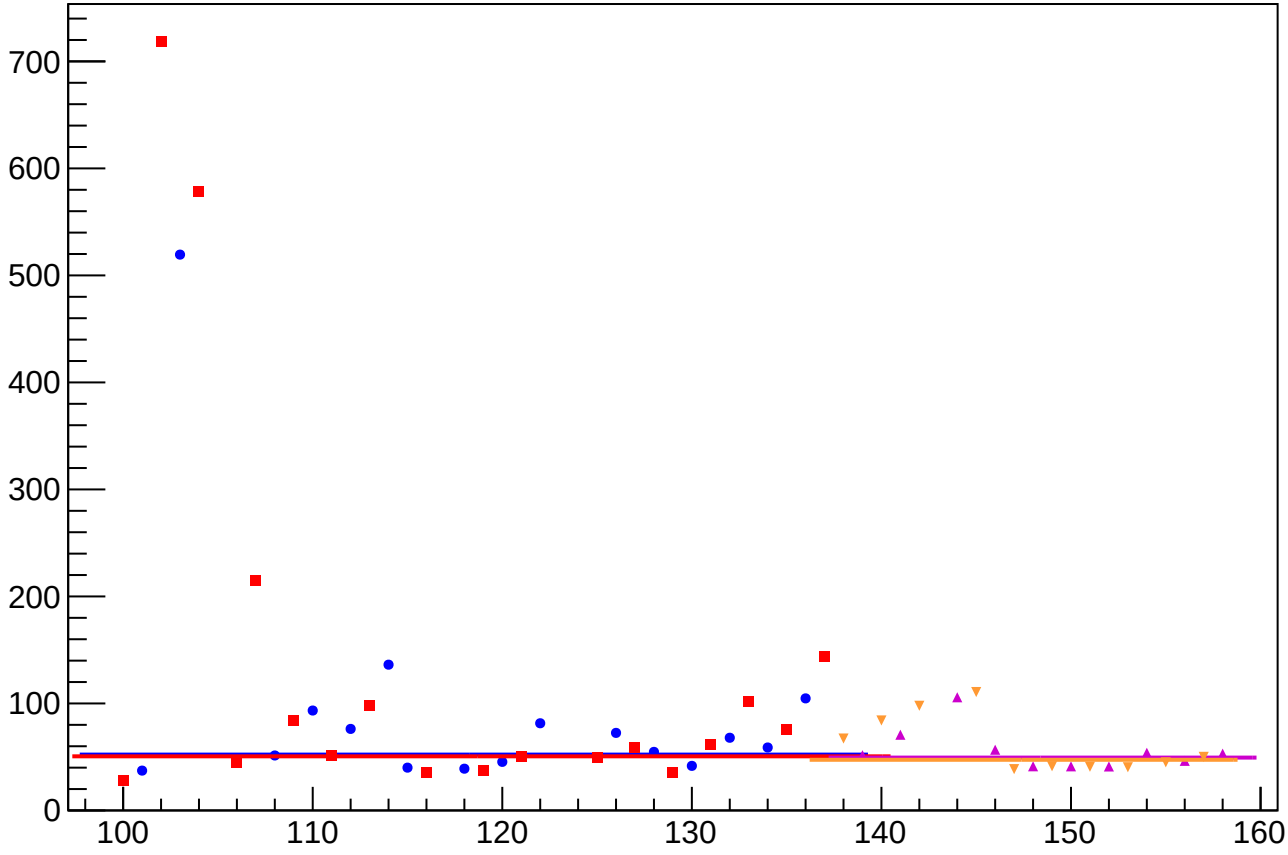
Left In: 0.010+/-0.018 χ^2/NDF:16.3/9

+ sign -0.007+/-0.015 χ^2/NDF: 28.5/25

All: 0.002+/-0.010 χ^2/NDF: 58.0/53

- sign 0.010+/-0.014 χ^2/NDF: 28.8/27

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 47.350+/-0.013 χ^2/NDF:1323564.3/9

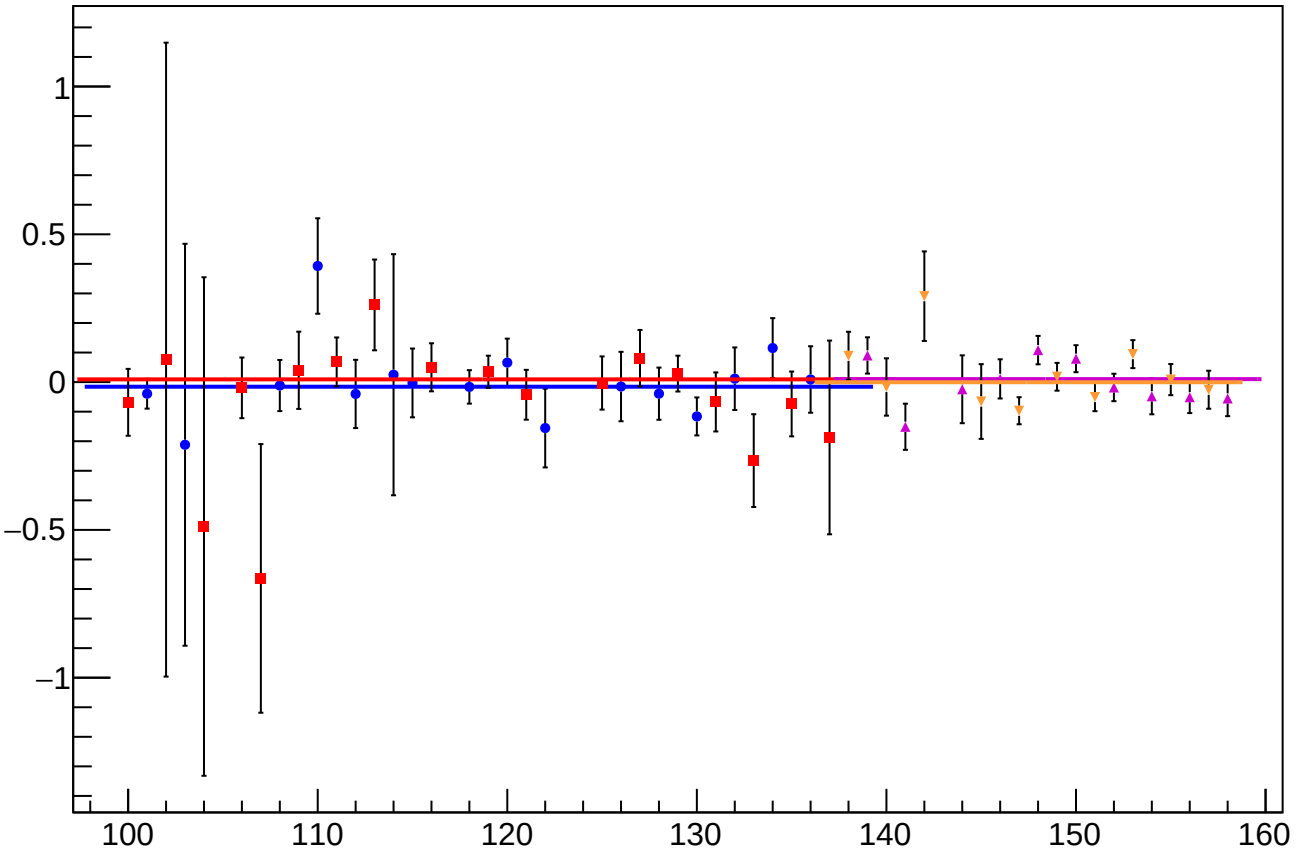
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 49.395+/-0.013 χ^2/NDF:868960.1/9

+ sign 49.346+/-0.010 χ^2/NDF: 3644206.9/25

All: 49.595+/-0.007 χ^2/NDF: 7568871.1/53

- sign 49.839+/-0.010 χ^2/NDF: 3923504.7/27



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.000+/-0.019 χ^2/NDF:15.1/9

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

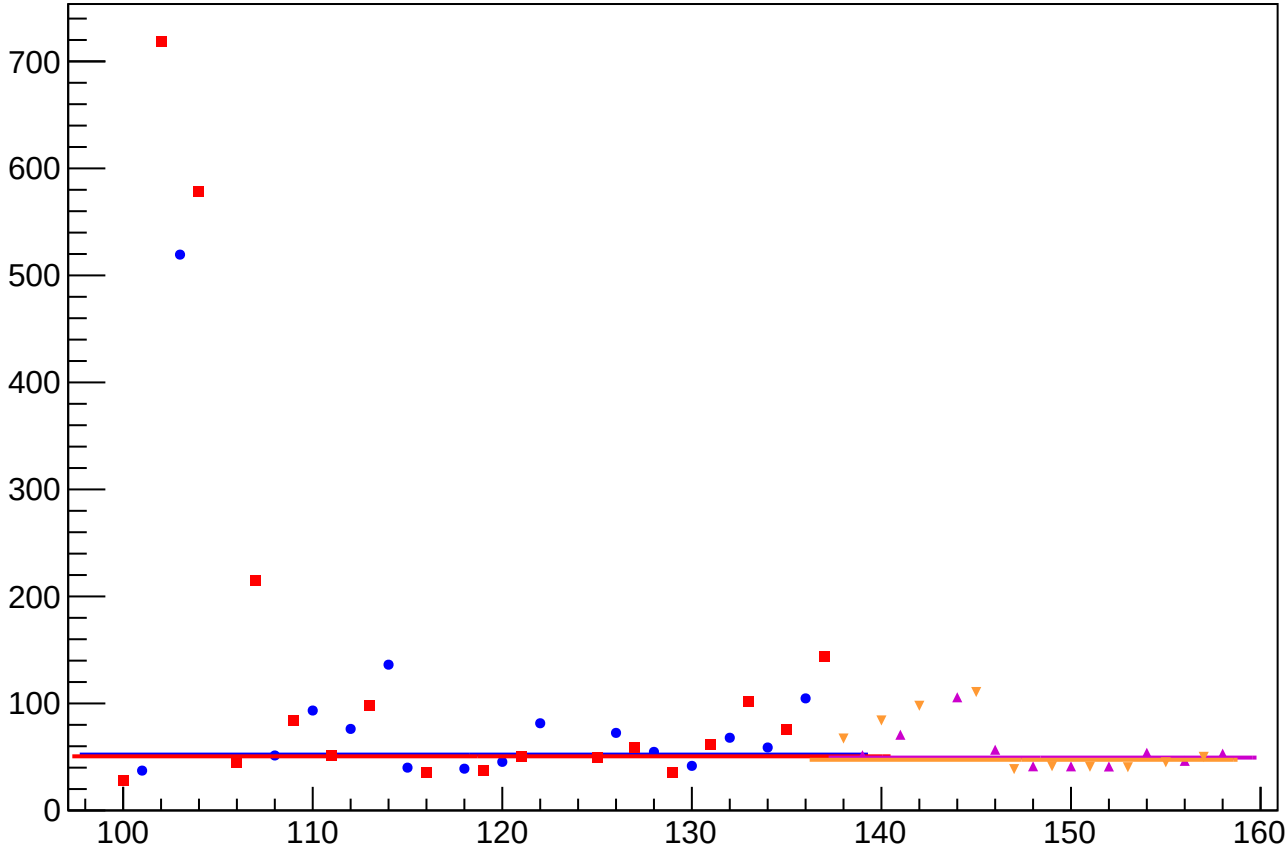
Left In: 0.010+/-0.018 χ^2/NDF:16.3/9

+ sign -0.007+/-0.015 χ^2/NDF: 28.5/25

All: 0.002+/-0.010 χ^2/NDF: 58.0/53

- sign 0.010+/-0.014 χ^2/NDF: 28.8/27

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 47.350+/-0.013 χ^2/NDF:1323564.3/9

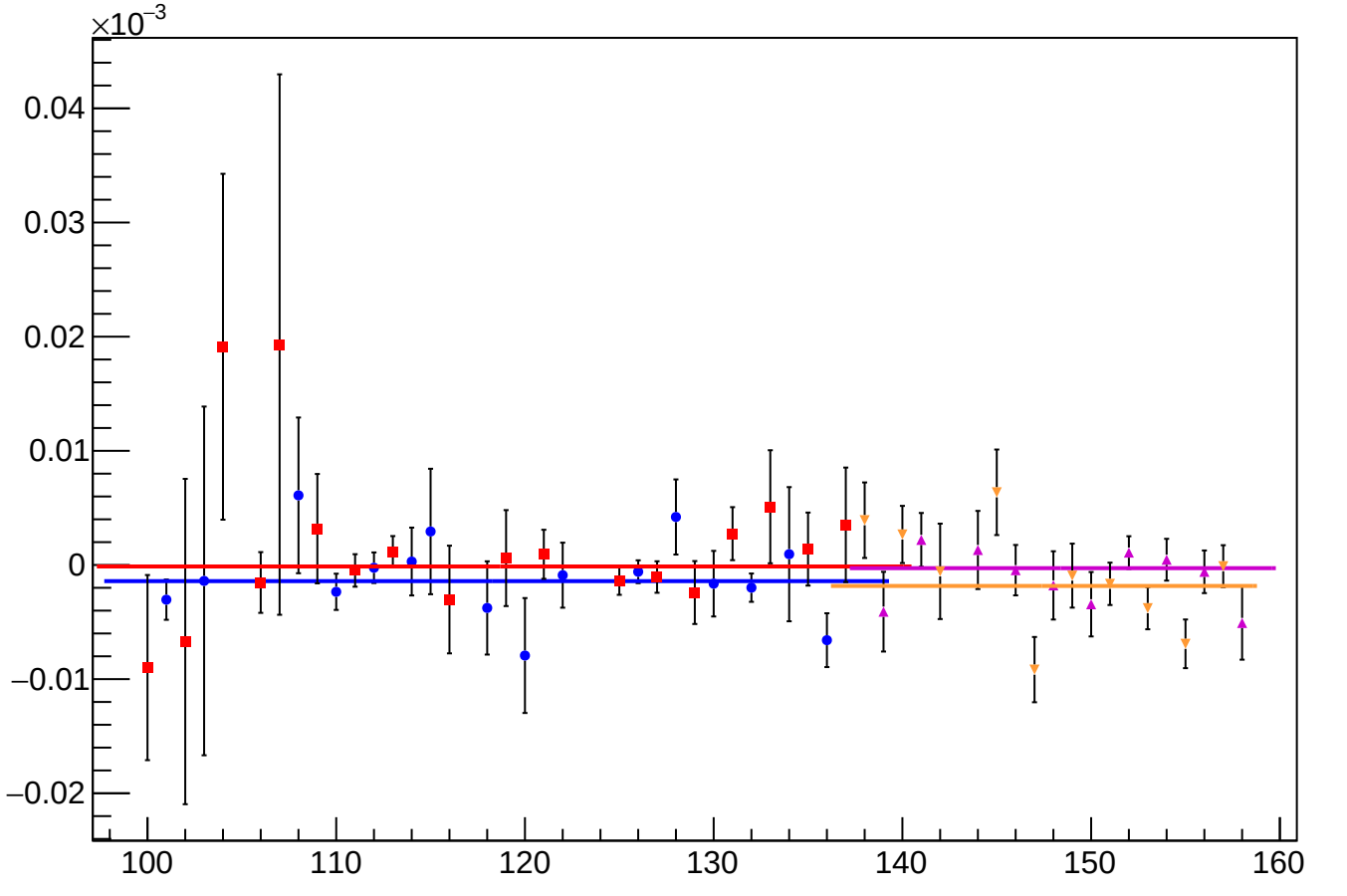
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 49.395+/-0.013 χ^2/NDF:868960.1/9

\+ sign 49.346+/-0.010 χ^2/NDF: 3644206.9/25

All: 49.595+/-0.007 χ^2/NDF: 7568871.1/53

\- sign 49.839+/-0.010 χ^2/NDF: 3923504.7/27



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.5/9

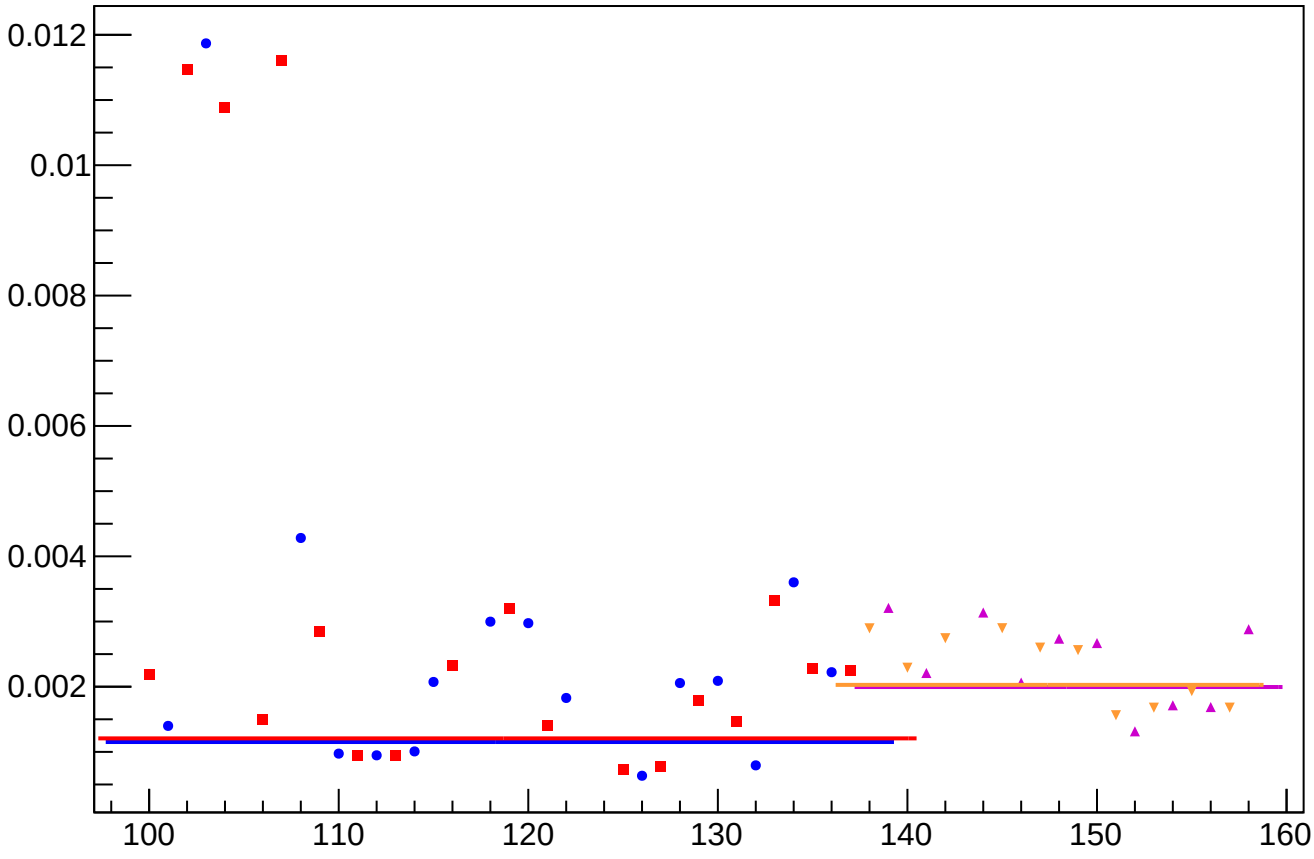
Right Out: -0.000+/-0.000 χ^2/NDF: 11.6/17

Left In: -0.000+/-0.000 χ^2/NDF:7.4/9

+ sign -0.000+/-0.000 χ^2/NDF: 40.7/25

All: -0.000+/-0.000 χ^2/NDF: 64.6/53

- sign -0.000+/-0.000 χ^2/NDF: 19.0/27



Right In: 0.001+/-0.000 χ^2/NDF: 4187928.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:751806.8/9

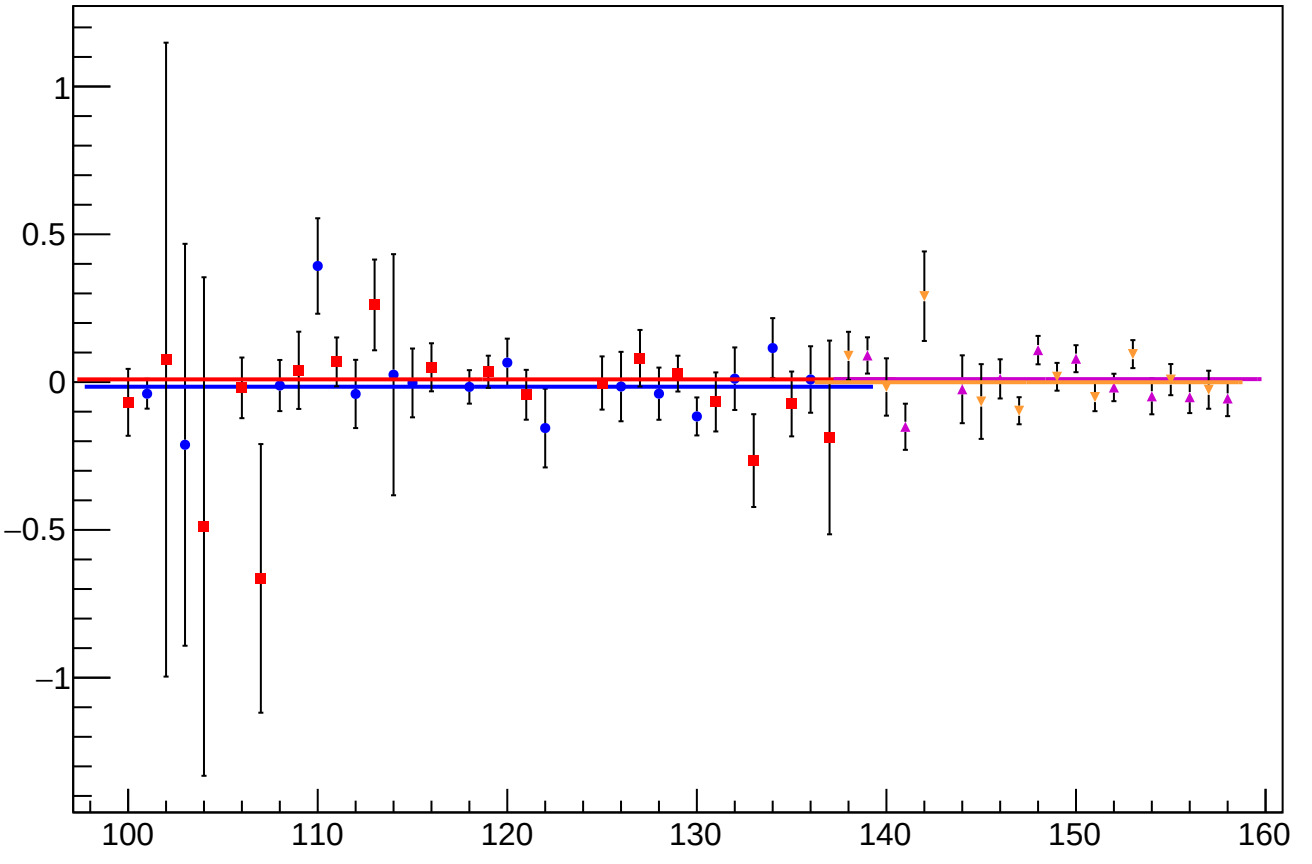
Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

Left In: 0.002+/-0.000 χ^2/NDF:1425092.6/9

+ sign 0.001+/-0.000 χ^2/NDF: 6755734.0/25

All: 0.001+/-0.000 χ^2/NDF: 14247634.1/53

- sign 0.002+/-0.000 χ^2/NDF: 7460511.0/27



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.000+/-0.019 χ^2/NDF:15.1/9

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

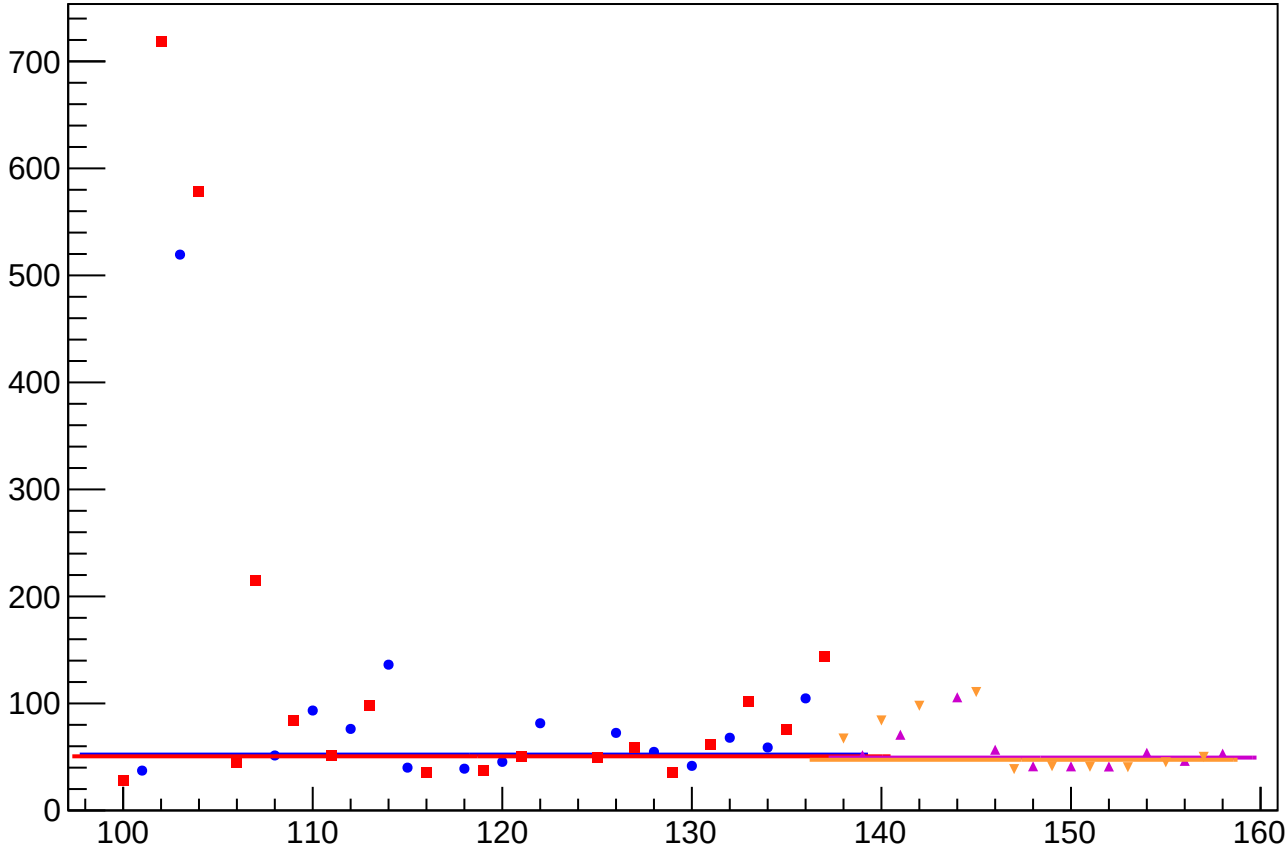
Left In: 0.010+/-0.018 χ^2/NDF:16.3/9

+ sign -0.007+/-0.015 χ^2/NDF: 28.5/25

All: 0.002+/-0.010 χ^2/NDF: 58.0/53

- sign 0.010+/-0.014 χ^2/NDF: 28.8/27

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 47.350+/-0.013 χ^2/NDF:1323541.5/9

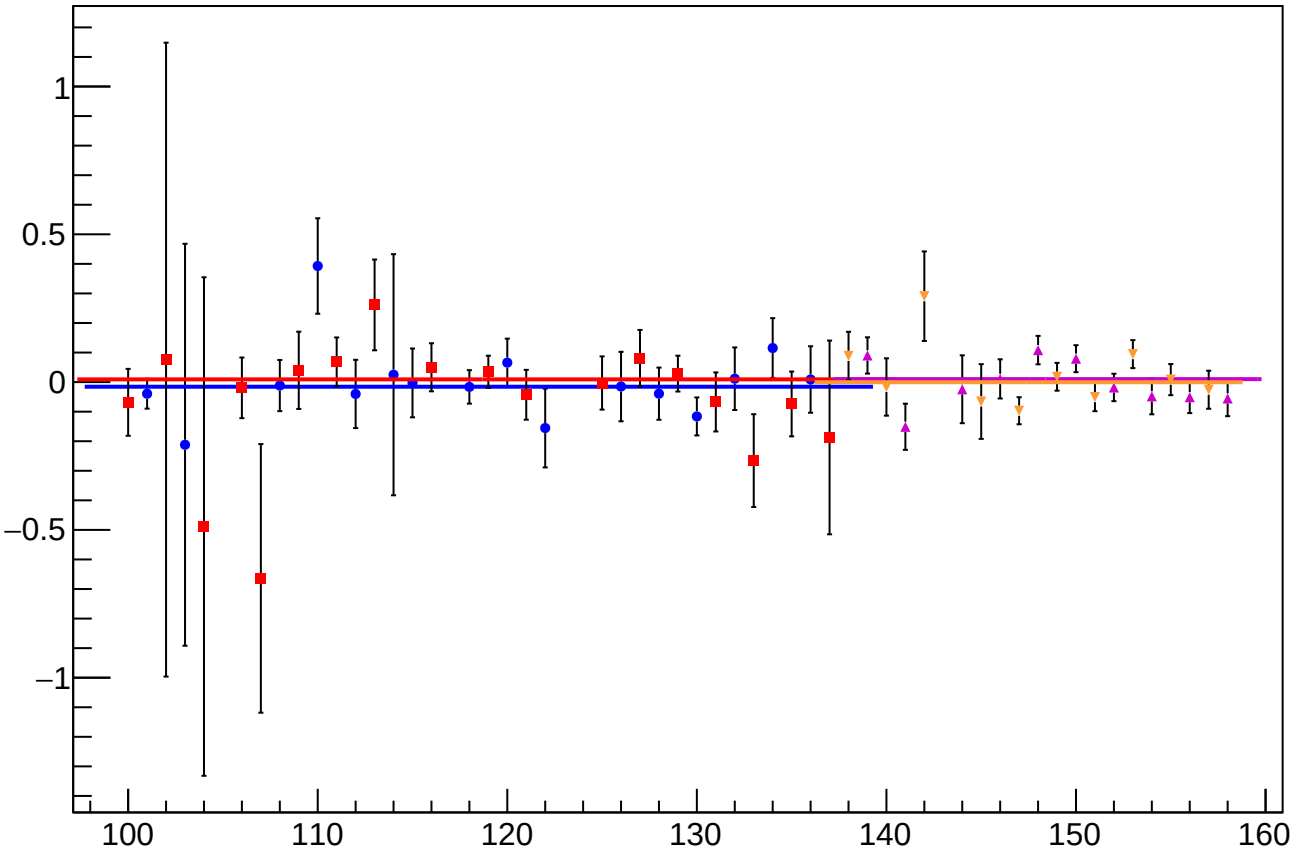
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 49.396+/-0.013 χ^2/NDF:868951.1/9

+ sign 49.346+/-0.010 χ^2/NDF: 3644174.7/25

All: 49.595+/-0.007 χ^2/NDF: 7568812.4/53

- sign 49.839+/-0.010 χ^2/NDF: 3923477.6/27



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.000+/-0.019 χ^2/NDF:15.1/9

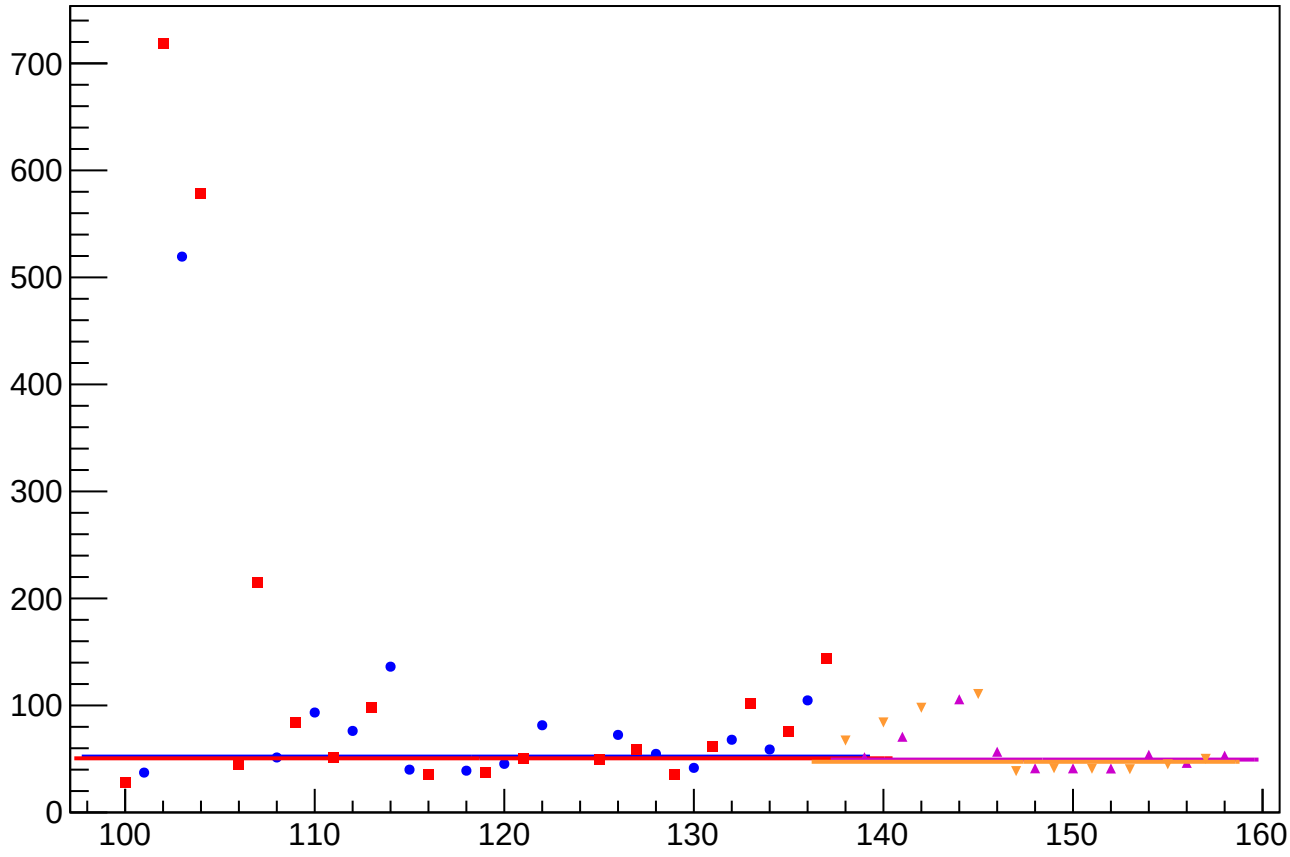
Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.010+/-0.018 χ^2/NDF:16.3/9

+ sign -0.007+/-0.015 χ^2/NDF: 28.5/25

All: 0.002+/-0.010 χ^2/NDF: 58.0/53

- sign 0.010+/-0.014 χ^2/NDF: 28.8/27



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 47.350+/-0.013 χ^2/NDF:1323541.5/9

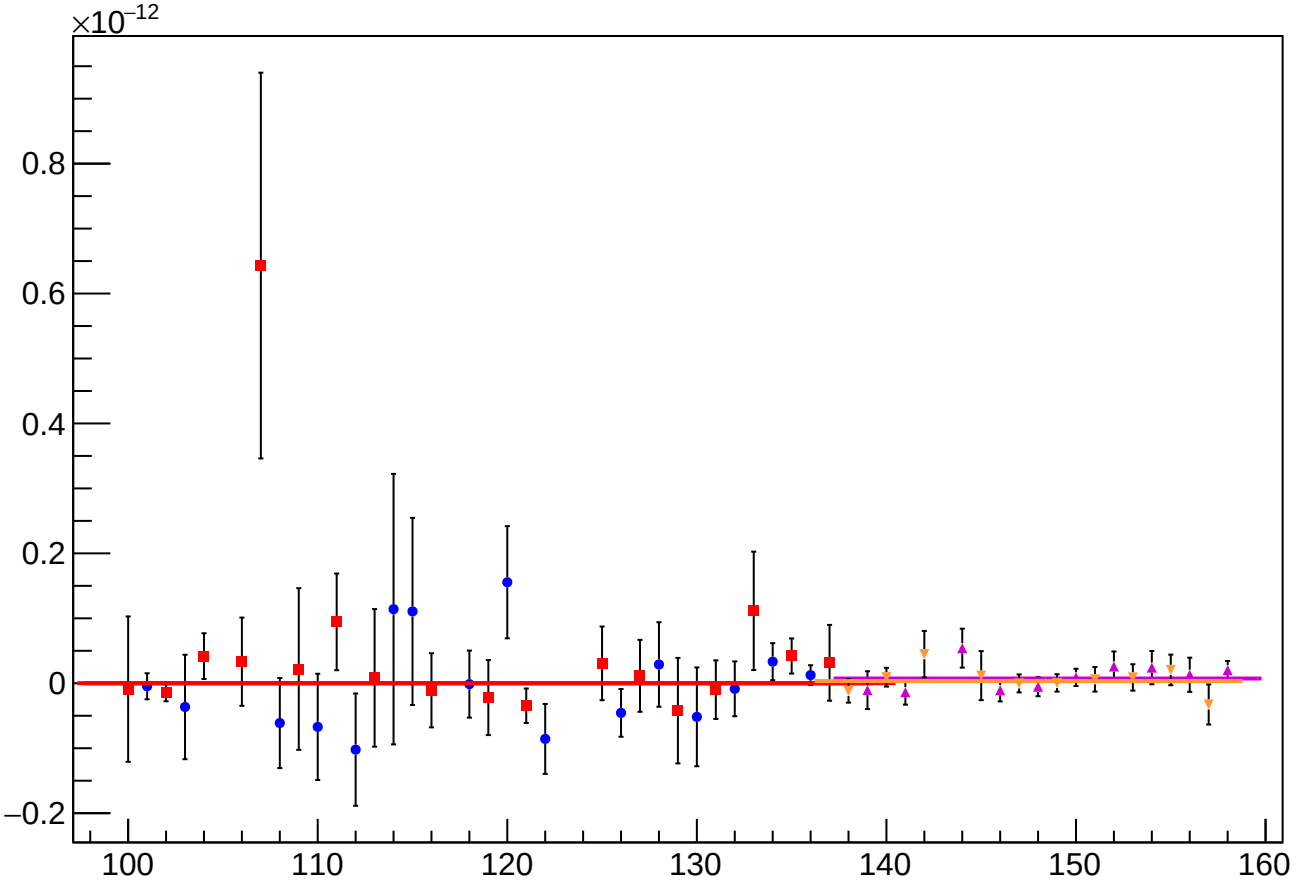
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 49.396+/-0.013 χ^2/NDF:868951.1/9

+ sign 49.346+/-0.010 χ^2/NDF: 3644174.7/25

All: 49.595+/-0.007 χ^2/NDF: 7568812.4/53

- sign 49.839+/-0.010 χ^2/NDF: 3923477.6/27



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.4/9

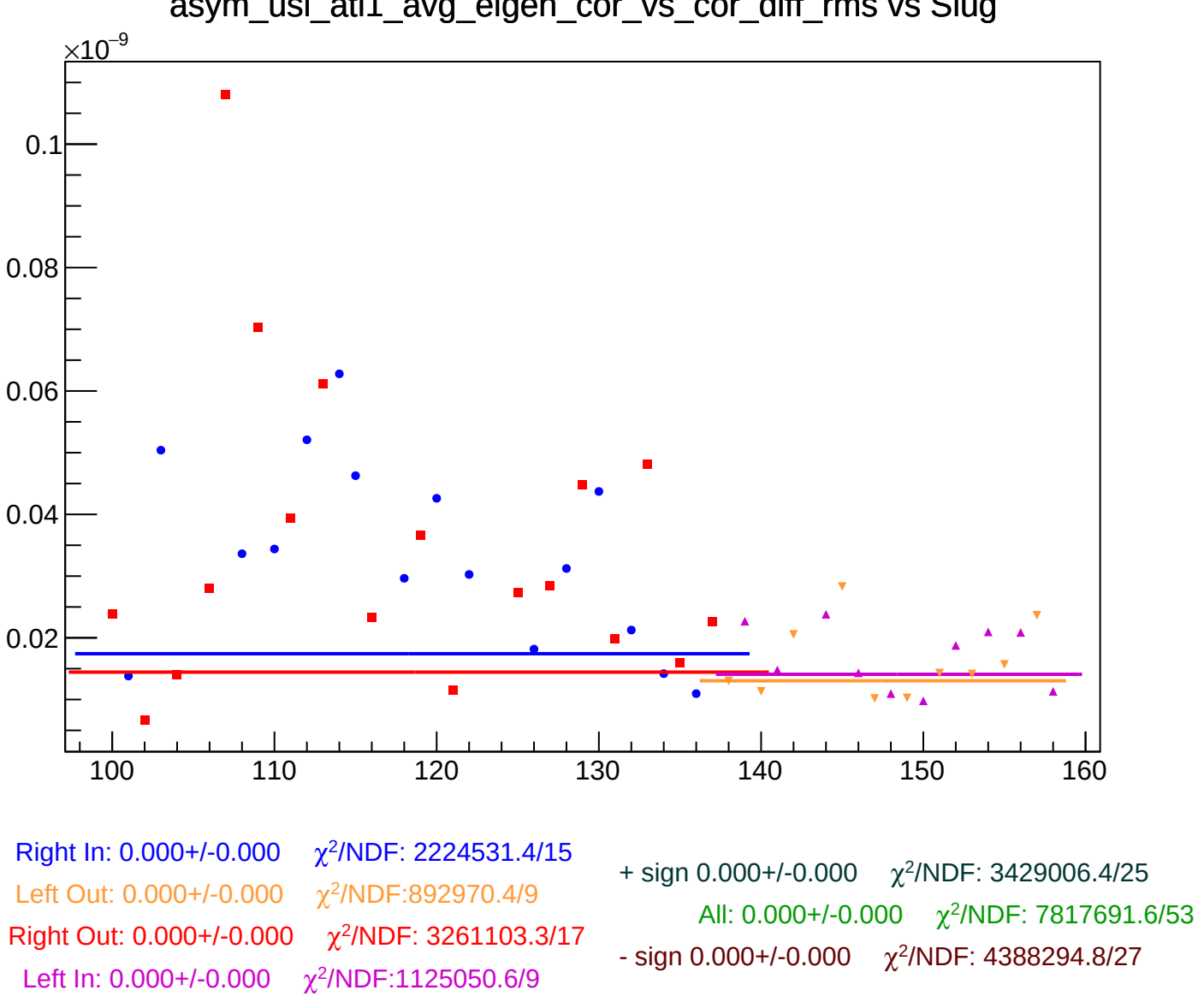
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: 0.000+/-0.000 χ^2/NDF:7.8/9

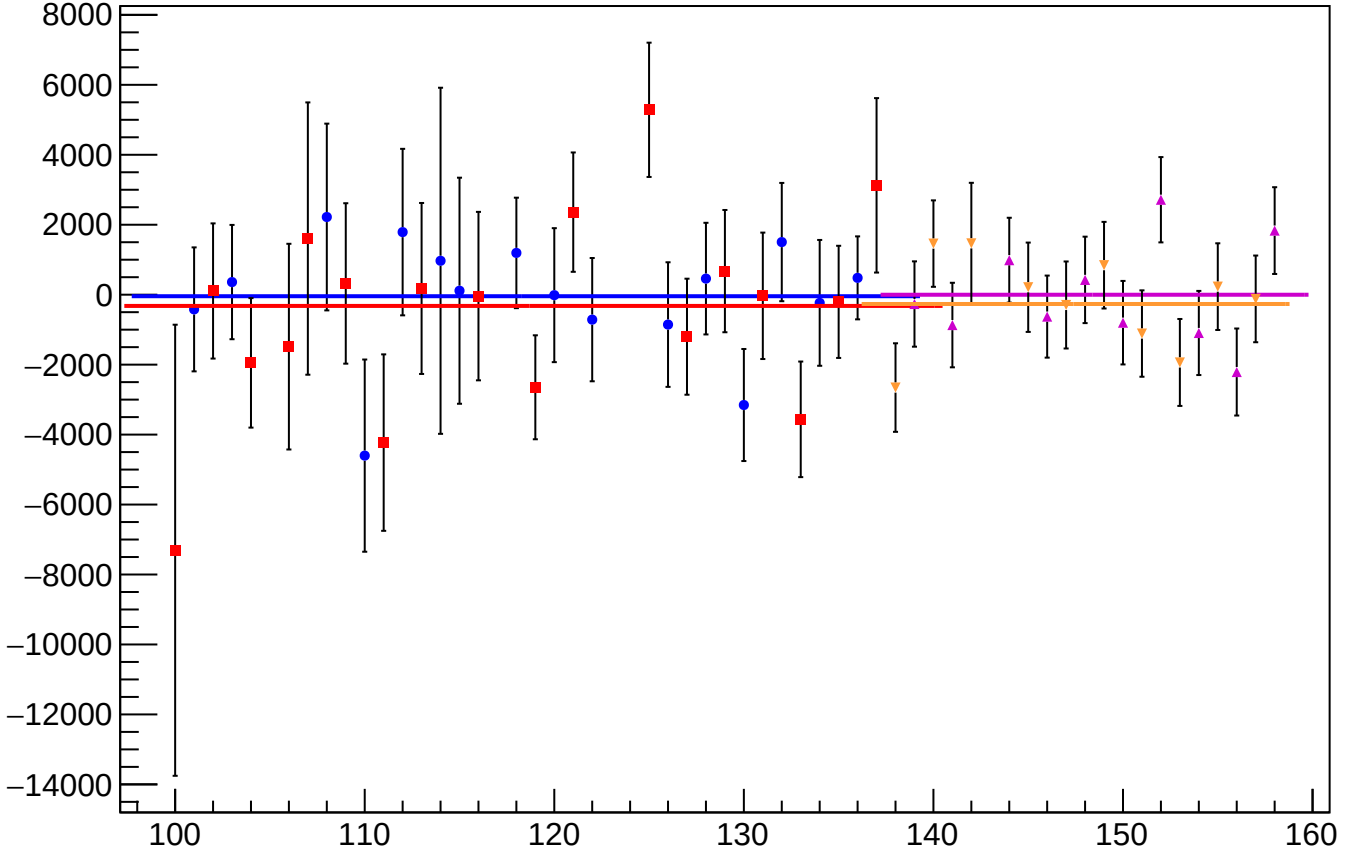
+ sign 0.000+/-0.000 χ^2/NDF: 18.5/25

All: 0.000+/-0.000 χ^2/NDF: 43.0/53

- sign 0.000+/-0.000 χ^2/NDF: 24.3/27


asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2224531.4/15
Left Out: 0.000+/-0.000 χ²/NDF:892970.4/9
Right Out: 0.000+/-0.000 χ²/NDF: 3261103.3/17
Left In: 0.000+/-0.000 χ²/NDF:1125050.6/9
+ sign 0.000+/-0.000 χ²/NDF: 3429006.4/25
All: 0.000+/-0.000 χ²/NDF: 7817691.6/53
- sign 0.000+/-0.000 χ²/NDF: 4388294.8/27

reg_asym_usl_atl1_dd_mean vs Slug



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: -266.044+/-403.889 χ^2/NDF:9.9/9

Right Out: -321.266+/-474.939 χ^2/NDF: 24.8/17

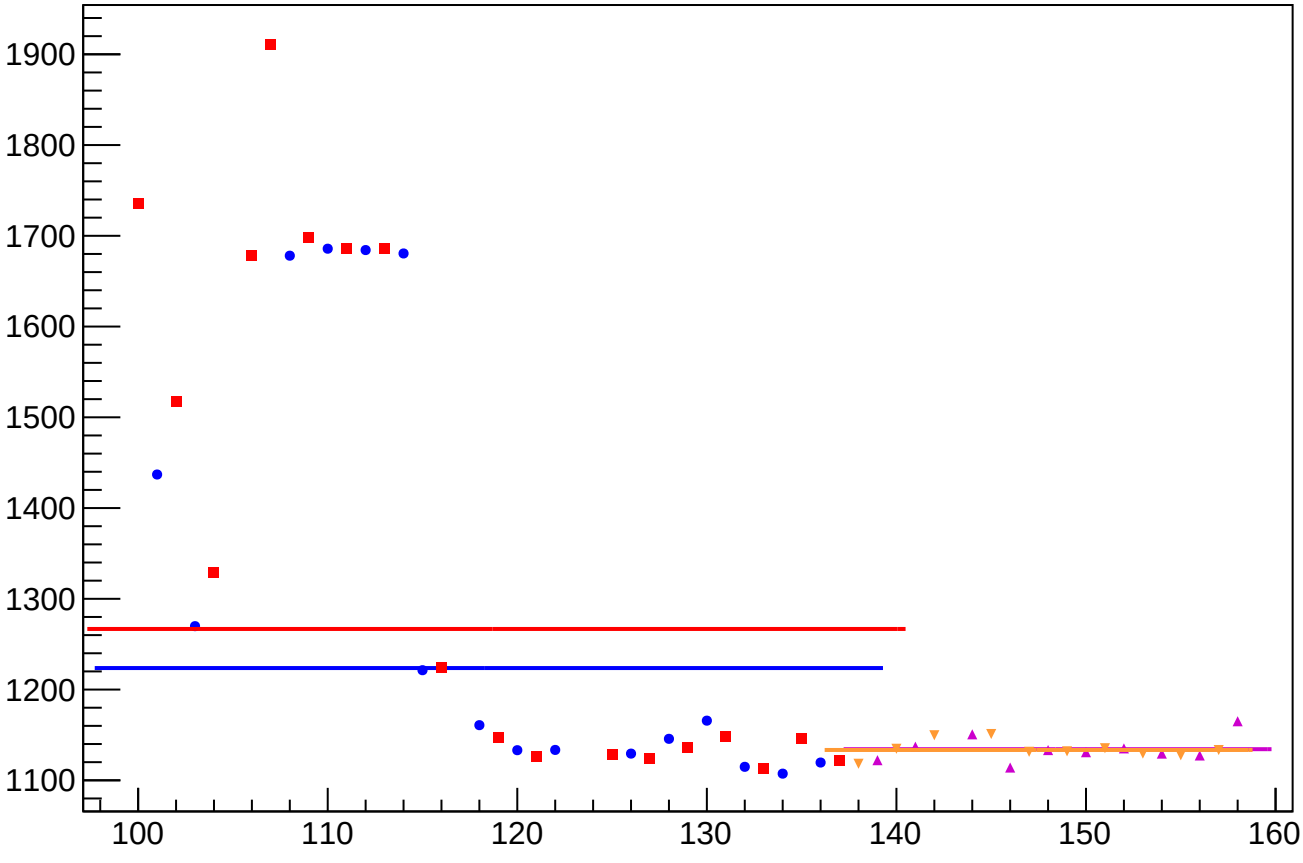
Left In: -1.556+/-384.041 χ^2/NDF:13.2/9

+ sign -169.060+/-303.279 χ^2/NDF: 20.1/25

All: -148.189+/-212.787 χ^2/NDF: 58.4/53

- sign -127.953+/-298.627 χ^2/NDF: 38.3/27

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1133.448+/-0.286 χ^2/NDF:923.1/9

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

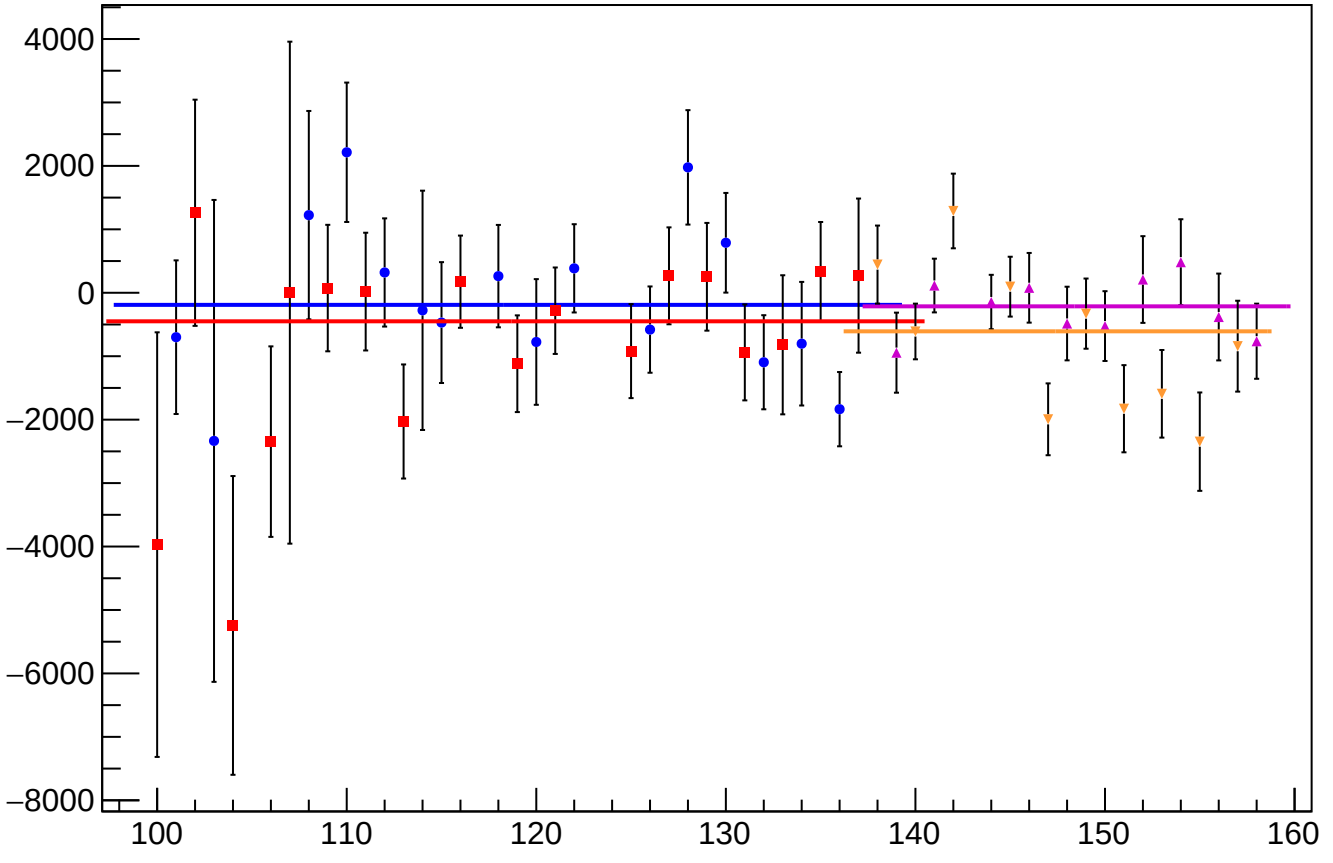
Left In: 1134.307+/-0.272 χ^2/NDF:2512.2/9

+ sign 1172.814+/-0.214 χ^2/NDF: 339451.3/25

All: 1179.854+/-0.150 χ^2/NDF: 871013.9/53

- sign 1186.680+/-0.211 χ^2/NDF: 529439.8/27

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: -607.767+/-184.311 χ^2/NDF:32.1/9

Right Out: -449.847+/-223.203 χ^2/NDF: 16.8/17

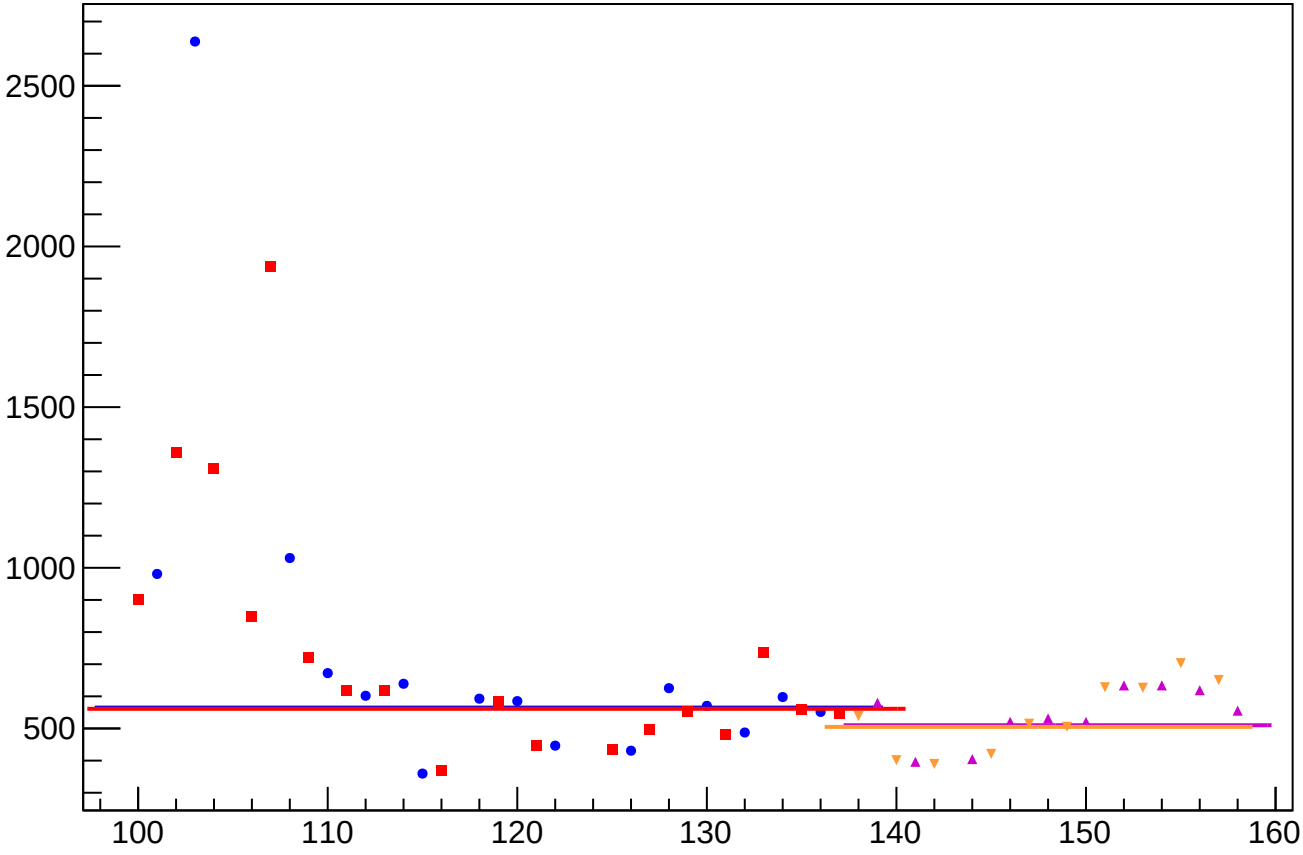
Left In: -213.889+/-175.569 χ^2/NDF:5.1/9

+ sign -438.350+/-142.034 χ^2/NDF: 59.5/25

All: -369.278+/-98.974 χ^2/NDF: 82.6/53

- sign -304.079+/-137.994 χ^2/NDF: 22.6/27

asym_usl_atl1_dd_reg_correction_rms vs Slug



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 504.965+/-0.130 χ^2/NDF:599089.3/9

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

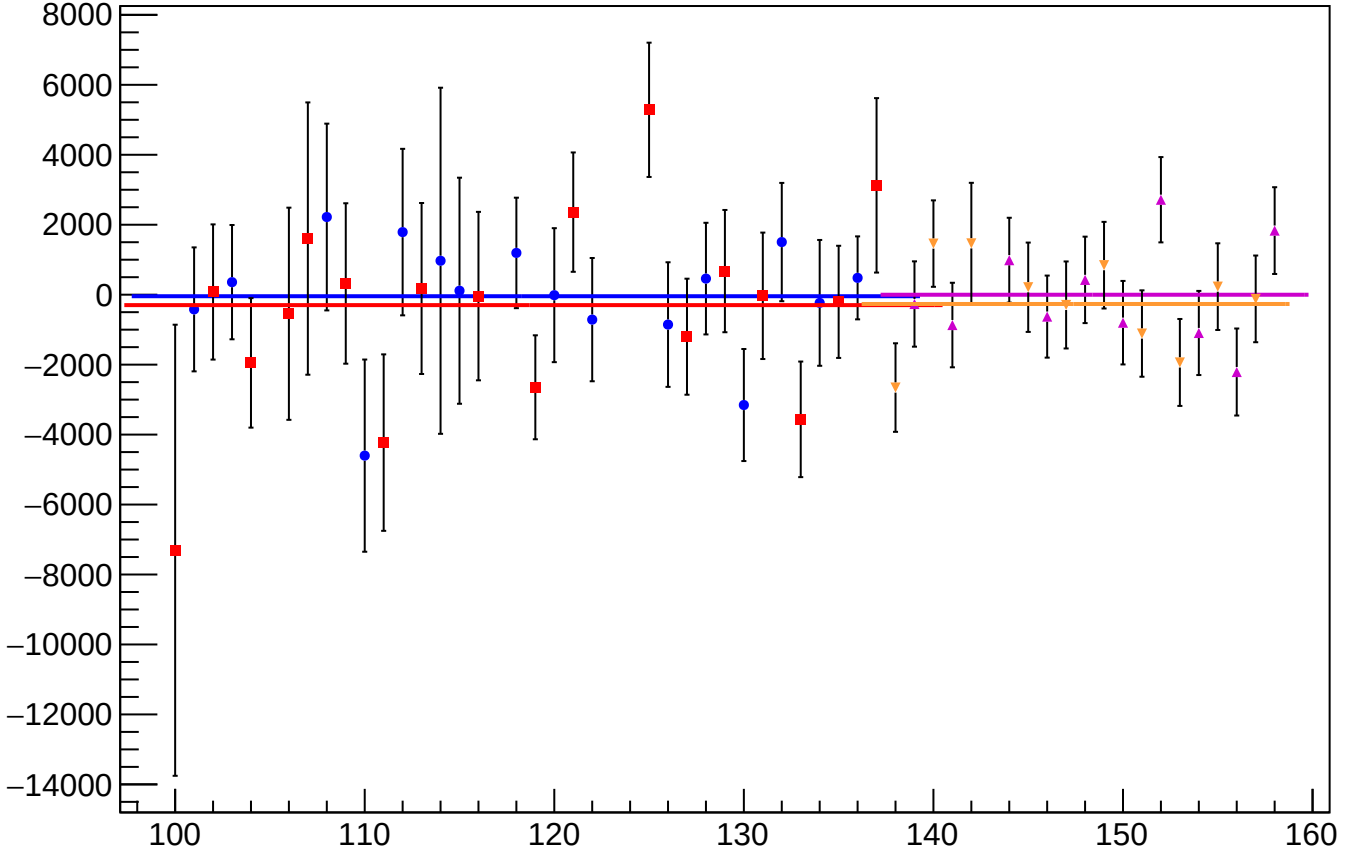
Left In: 510.066+/-0.124 χ^2/NDF:489172.4/9

+ sign 529.331+/-0.100 χ^2/NDF: 1969631.8/25

All: 529.484+/-0.070 χ^2/NDF: 3876002.2/53

- sign 529.628+/-0.098 χ^2/NDF: 1906365.9/27

cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -265.943+/-403.889 χ^2/NDF:9.9/9

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

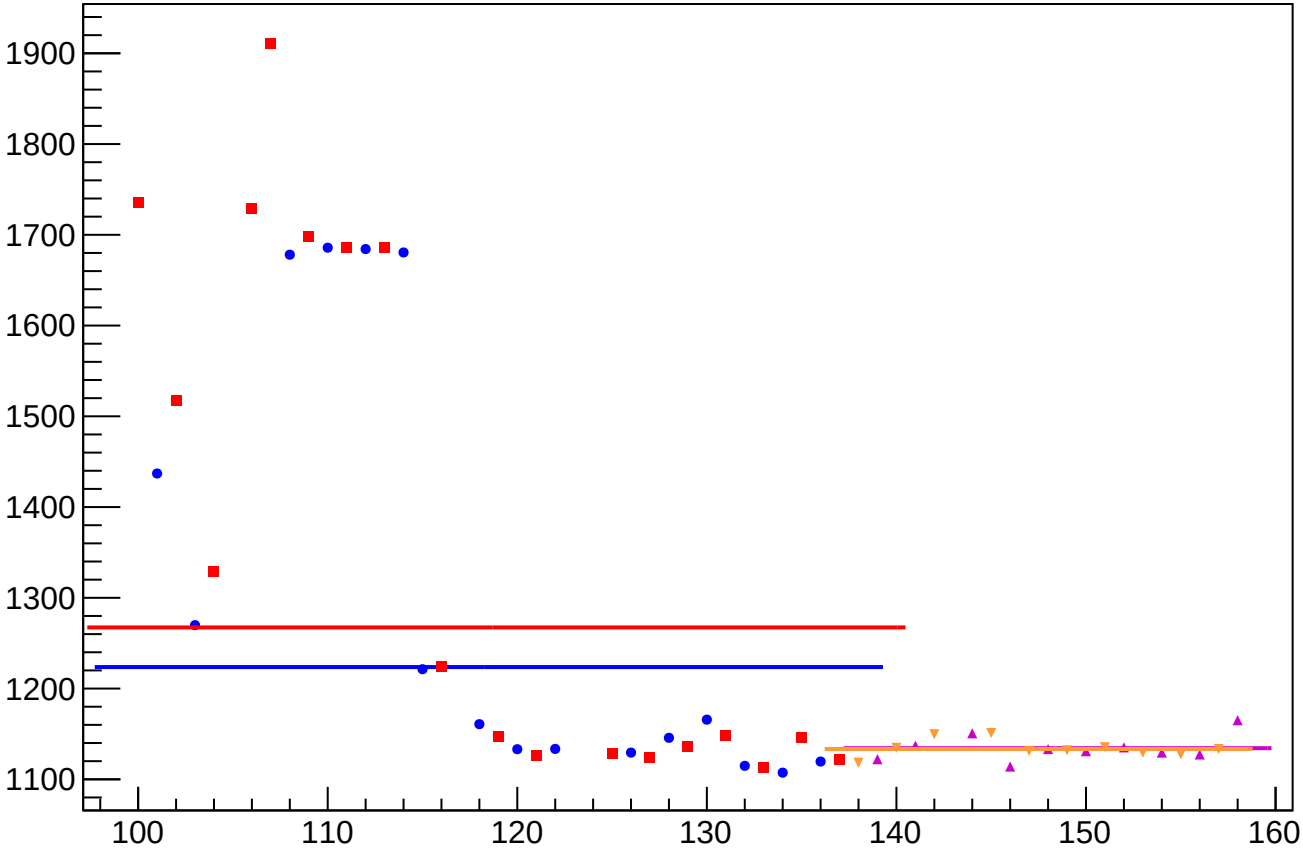
Left In: -1.517+/-384.041 χ^2/NDF:13.2/9

+ sign -169.108+/-303.279 χ^2/NDF: 20.1/25

All: -143.523+/-212.821 χ^2/NDF: 58.2/53

- sign -118.702+/-298.721 χ^2/NDF: 38.1/27

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1133.448+/-0.286 χ^2/NDF:923.1/9

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

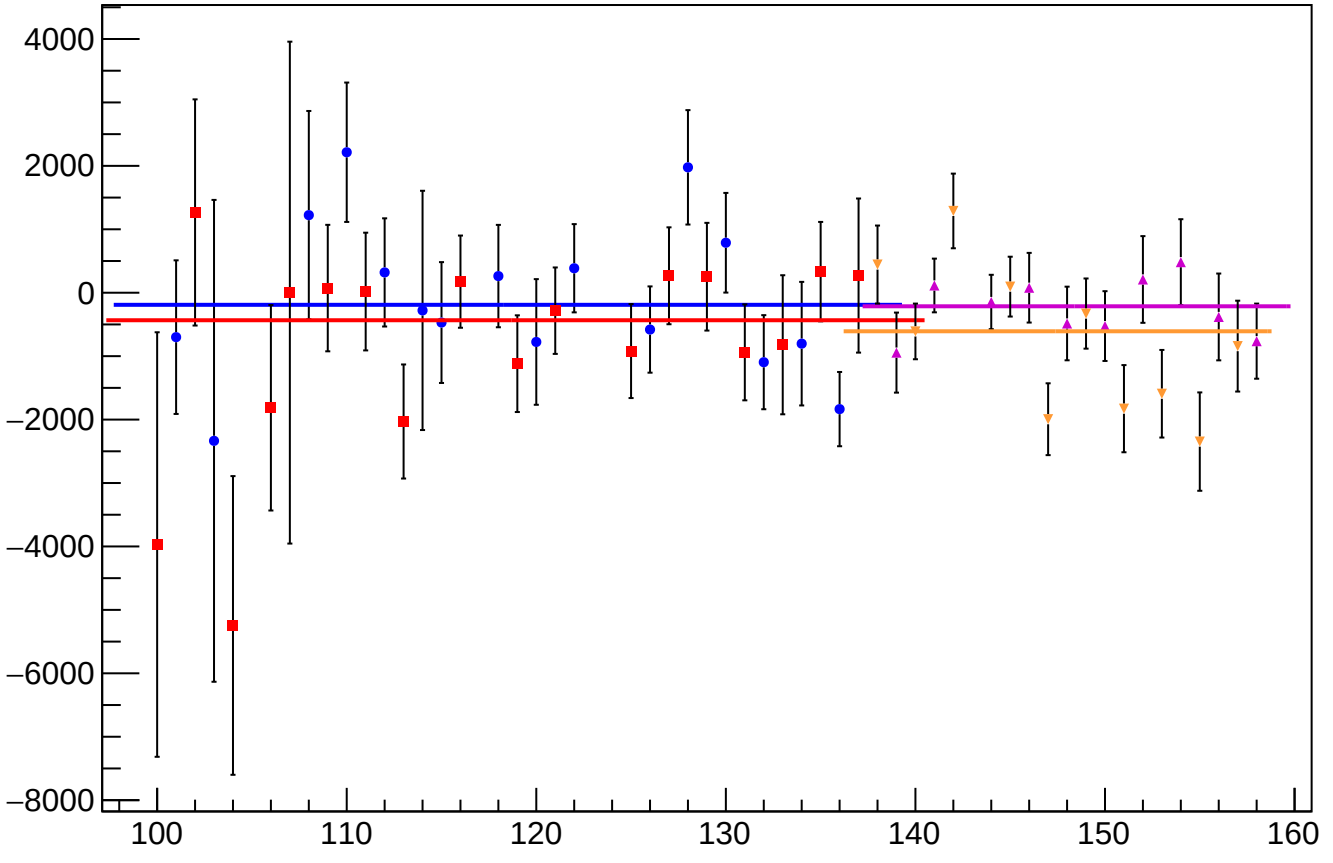
Left In: 1134.307+/-0.272 χ^2/NDF:2512.2/9

+ sign 1172.814+/-0.214 χ^2/NDF: 339451.4/25

All: 1179.944+/-0.150 χ^2/NDF: 878945.7/53

- sign 1186.861+/-0.211 χ^2/NDF: 537316.6/27

asym_usl_atl1_dd_cor_correction_mean vs Slug



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -607.753+/-184.310 χ^2/NDF:32.1/9

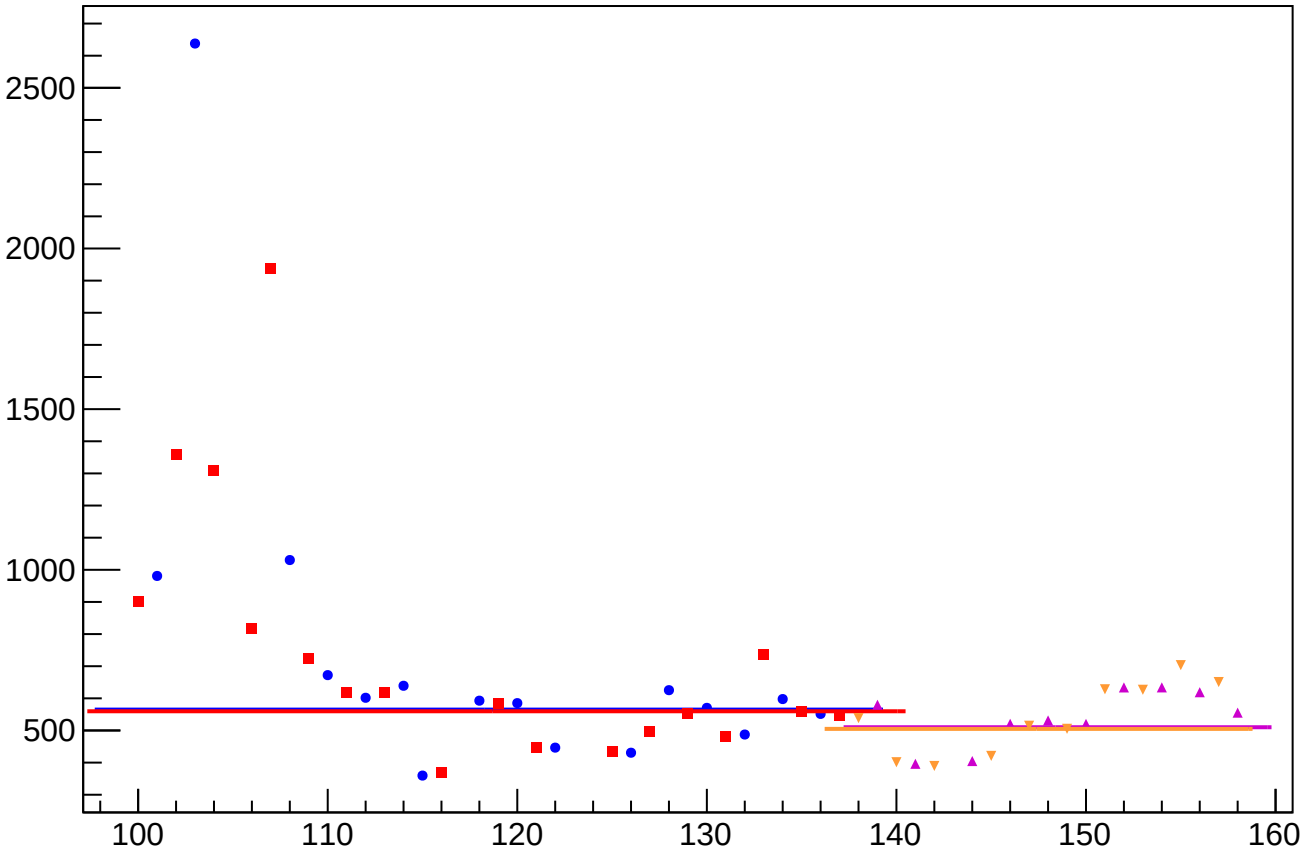
Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: -213.865+/-175.569 χ^2/NDF:5.2/9

+ sign -438.346+/-142.033 χ^2/NDF: 59.5/25

All: -366.088+/-99.004 χ^2/NDF: 81.6/53

- sign -297.800+/-138.076 χ^2/NDF: 21.7/27



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 504.963+/-0.130 χ^2/NDF:599065.9/9

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

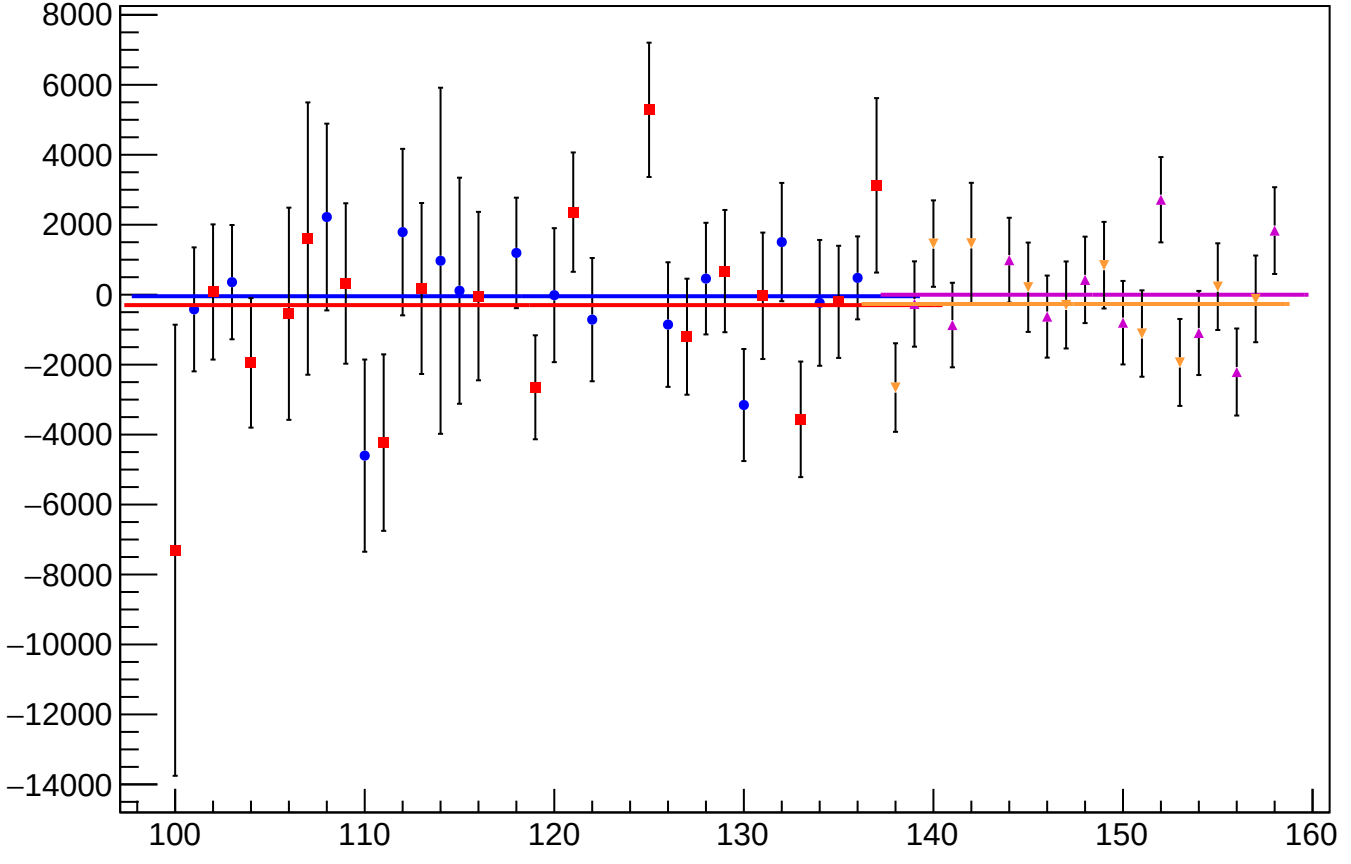
Left In: 510.068+/-0.124 χ^2/NDF:489142.5/9

\+ sign 529.328+/-0.100 χ^2/NDF: 1969579.4/25

All: 529.172+/-0.070 χ^2/NDF: 3849200.9/53

\- sign 529.025+/-0.098 χ^2/NDF: 1879616.8/27

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -265.943+/-403.889 χ^2/NDF:9.9/9

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

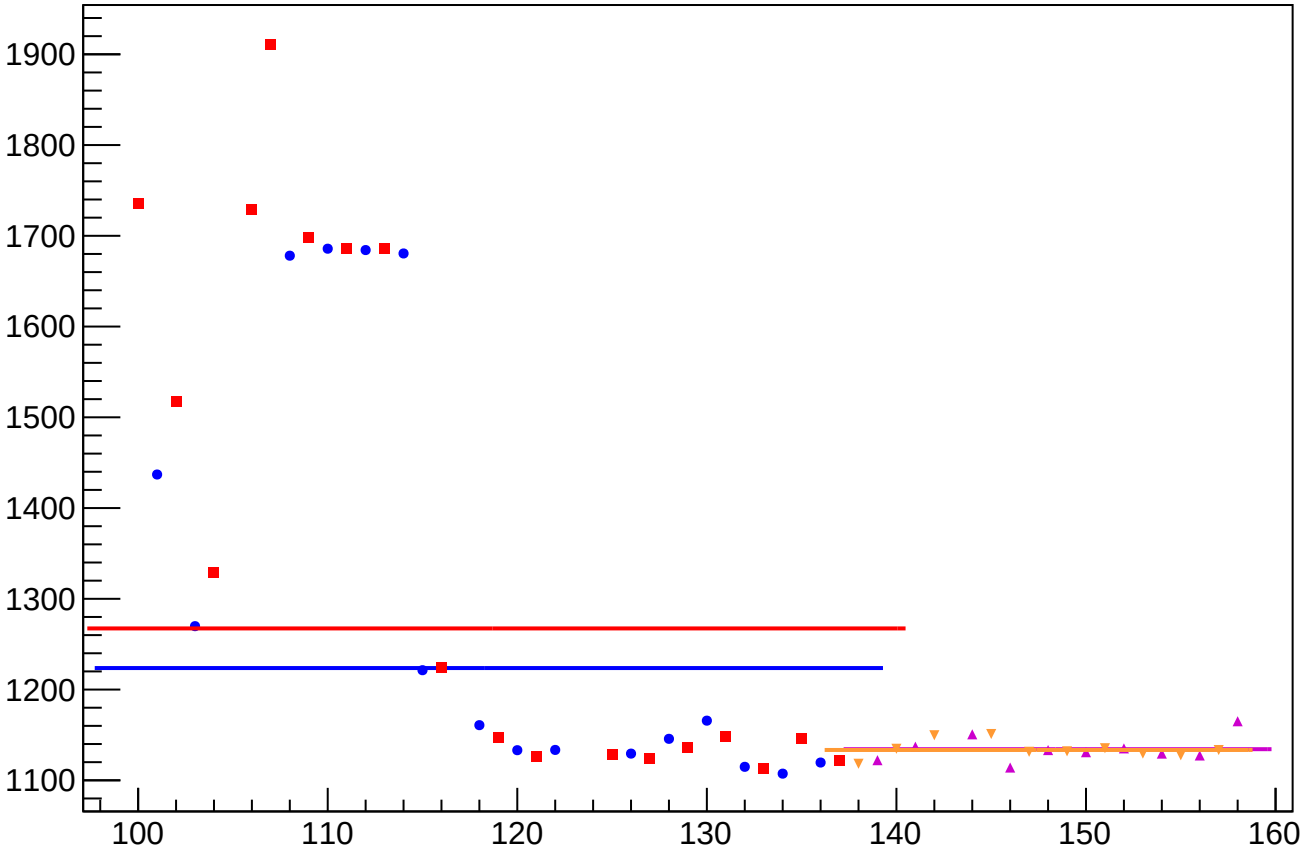
Left In: -1.517+/-384.041 χ^2/NDF:13.2/9

+ sign -169.108+/-303.279 χ^2/NDF: 20.1/25

All: -143.523+/-212.821 χ^2/NDF: 58.2/53

- sign -118.702+/-298.721 χ^2/NDF: 38.1/27

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1133.448+/-0.286 χ^2/NDF:923.1/9

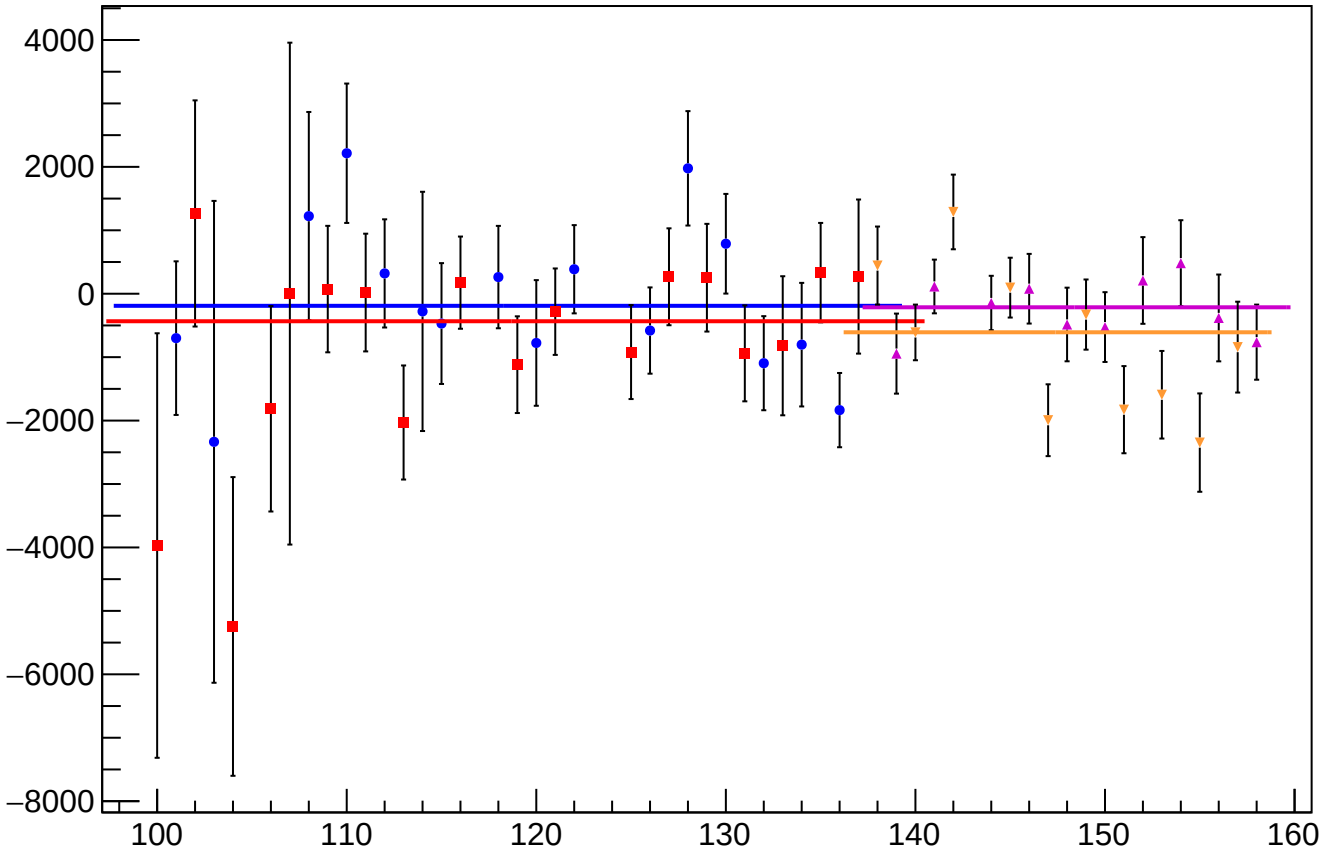
Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1134.307+/-0.272 χ^2/NDF:2512.2/9

+ sign 1172.814+/-0.214 χ^2/NDF: 339451.4/25

All: 1179.944+/-0.150 χ^2/NDF: 878945.7/53

- sign 1186.861+/-0.211 χ^2/NDF: 537316.6/27



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -607.753+/-184.310 χ^2/NDF:32.1/9

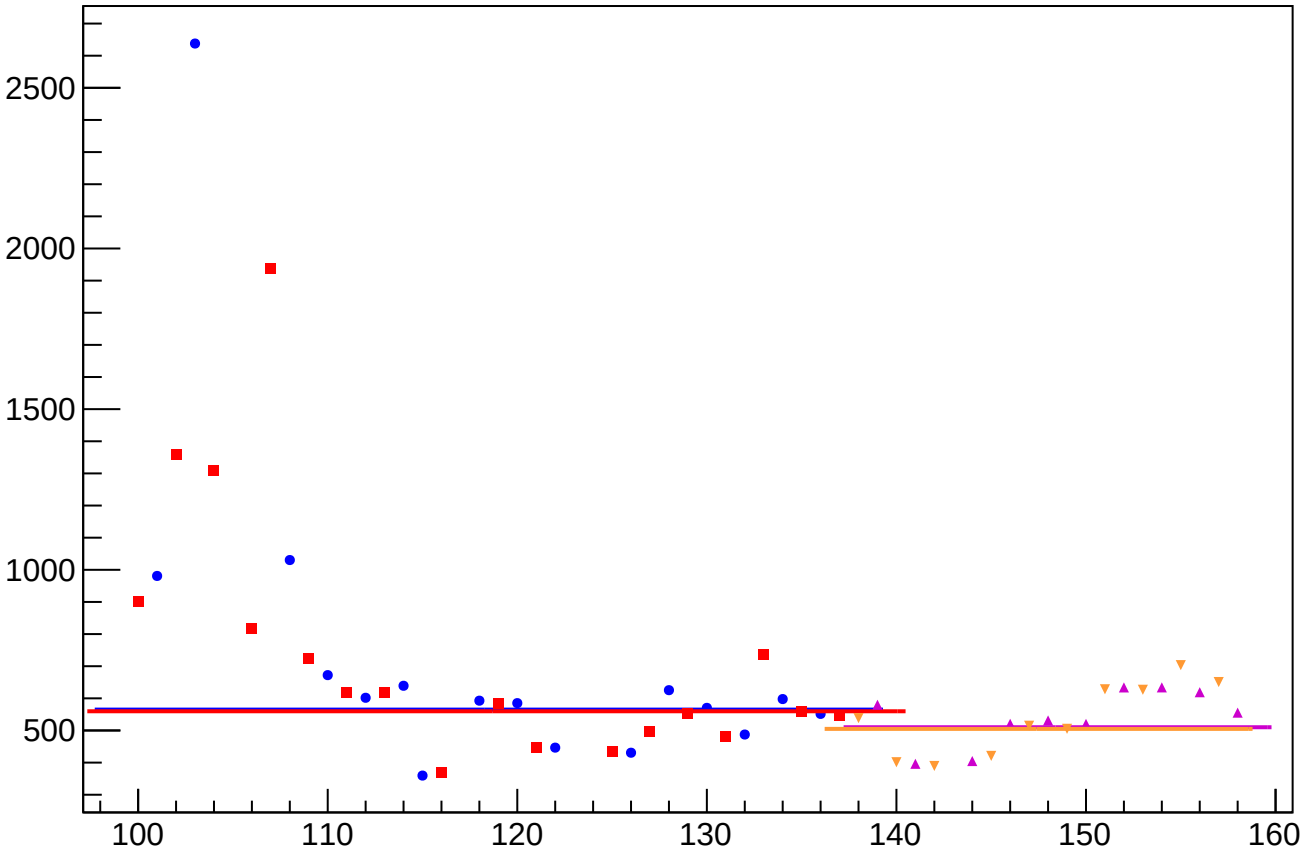
Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: -213.865+/-175.569 χ^2/NDF:5.2/9

+ sign -438.346+/-142.033 χ^2/NDF: 59.5/25

All: -366.088+/-99.004 χ^2/NDF: 81.6/53

- sign -297.800+/-138.076 χ^2/NDF: 21.7/27



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 504.963+/-0.130 χ^2/NDF:599065.9/9

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

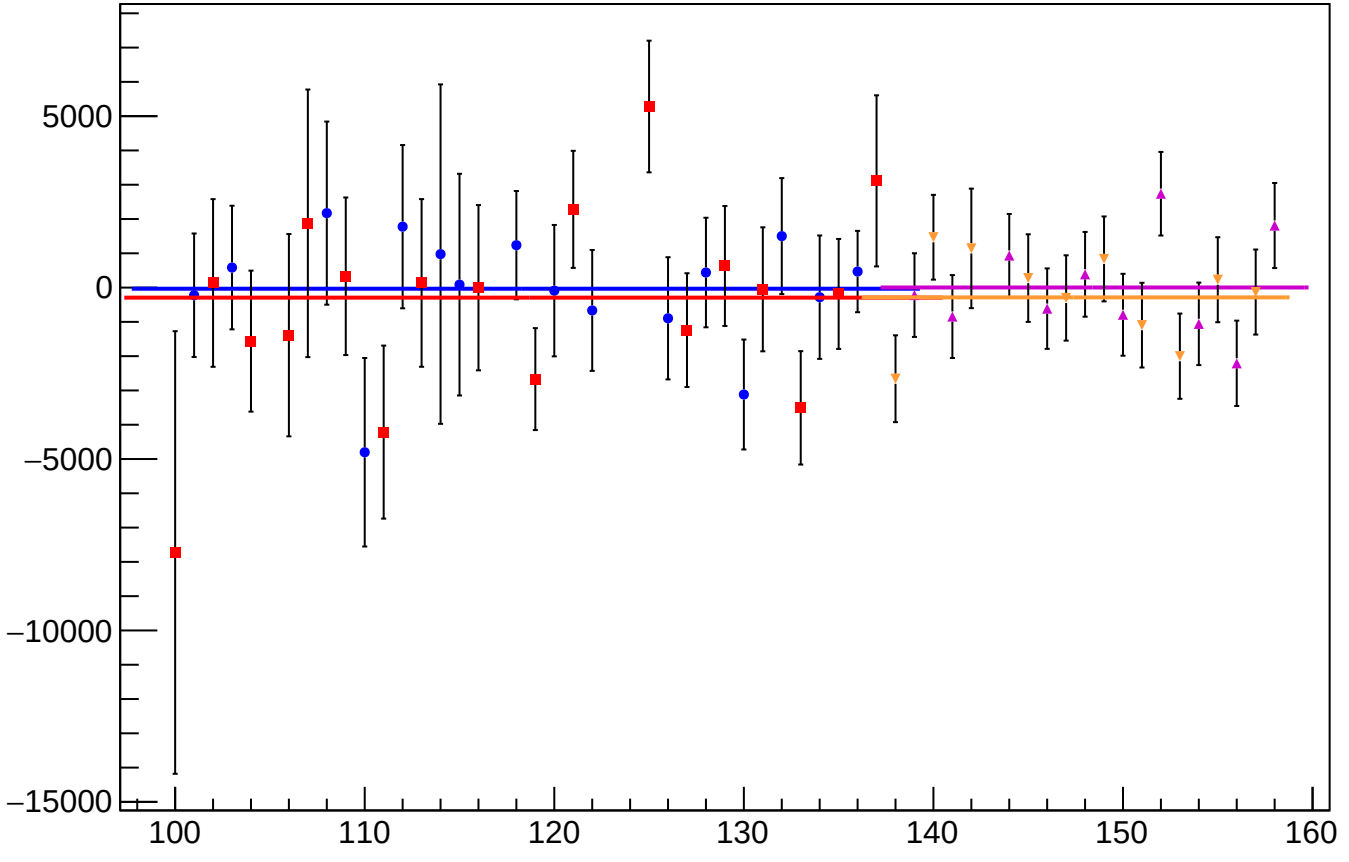
Left In: 510.068+/-0.124 χ^2/NDF:489142.5/9

+ sign 529.328+/-0.100 χ^2/NDF: 1969579.4/25

All: 529.172+/-0.070 χ^2/NDF: 3849200.9/53

- sign 529.025+/-0.098 χ^2/NDF: 1879616.8/27

dit_asym_usl_atl1_dd_mean vs Slug



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: -285.687+/-404.203 χ^2/NDF:9.7/9

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

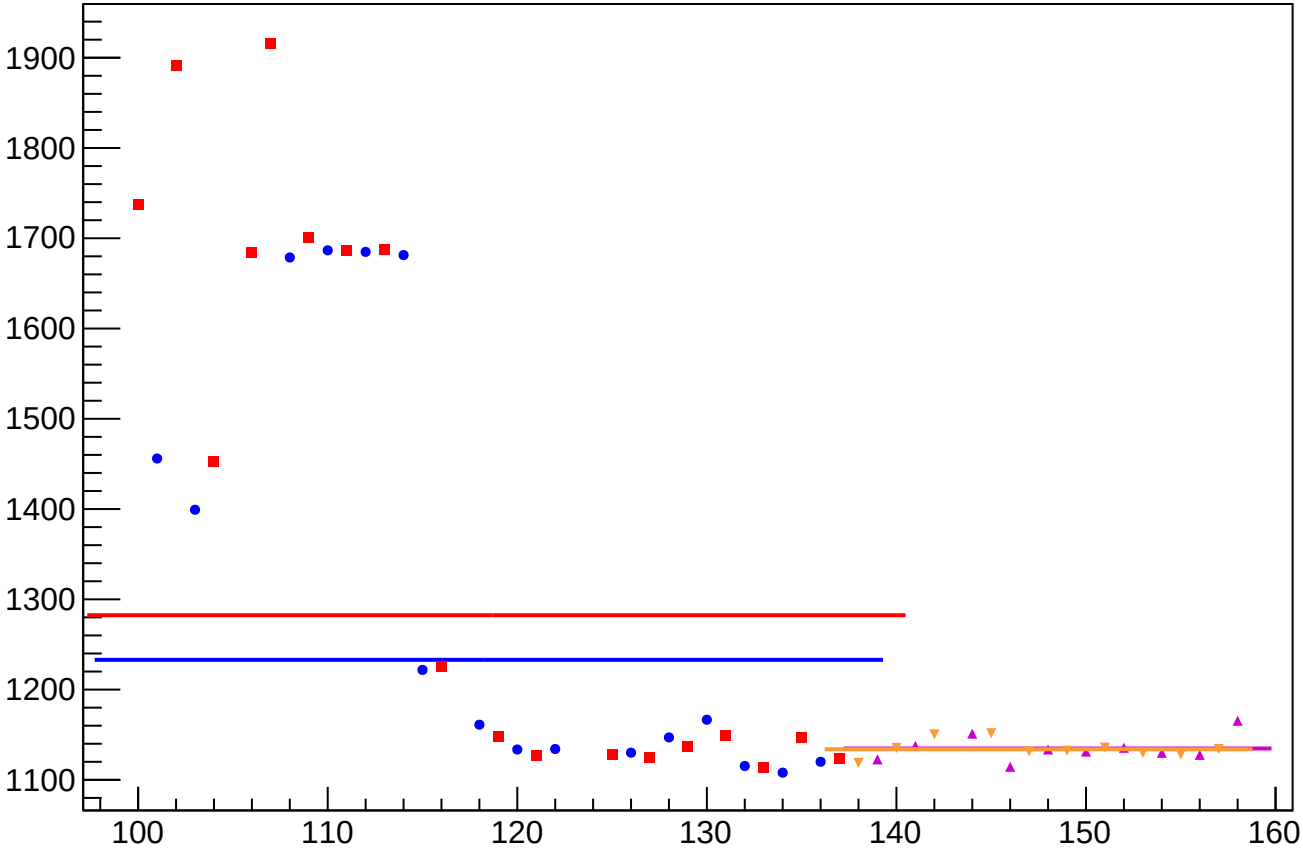
Left In: 3.144+/-384.185 χ^2/NDF:13.0/9

+ sign -176.482+/-304.556 χ^2/NDF: 20.2/25

All: -143.606+/-214.039 χ^2/NDF: 57.7/53

- sign -111.521+/-300.871 χ^2/NDF: 37.5/27

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1133.933+/-0.286 χ^2/NDF:933.7/9

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

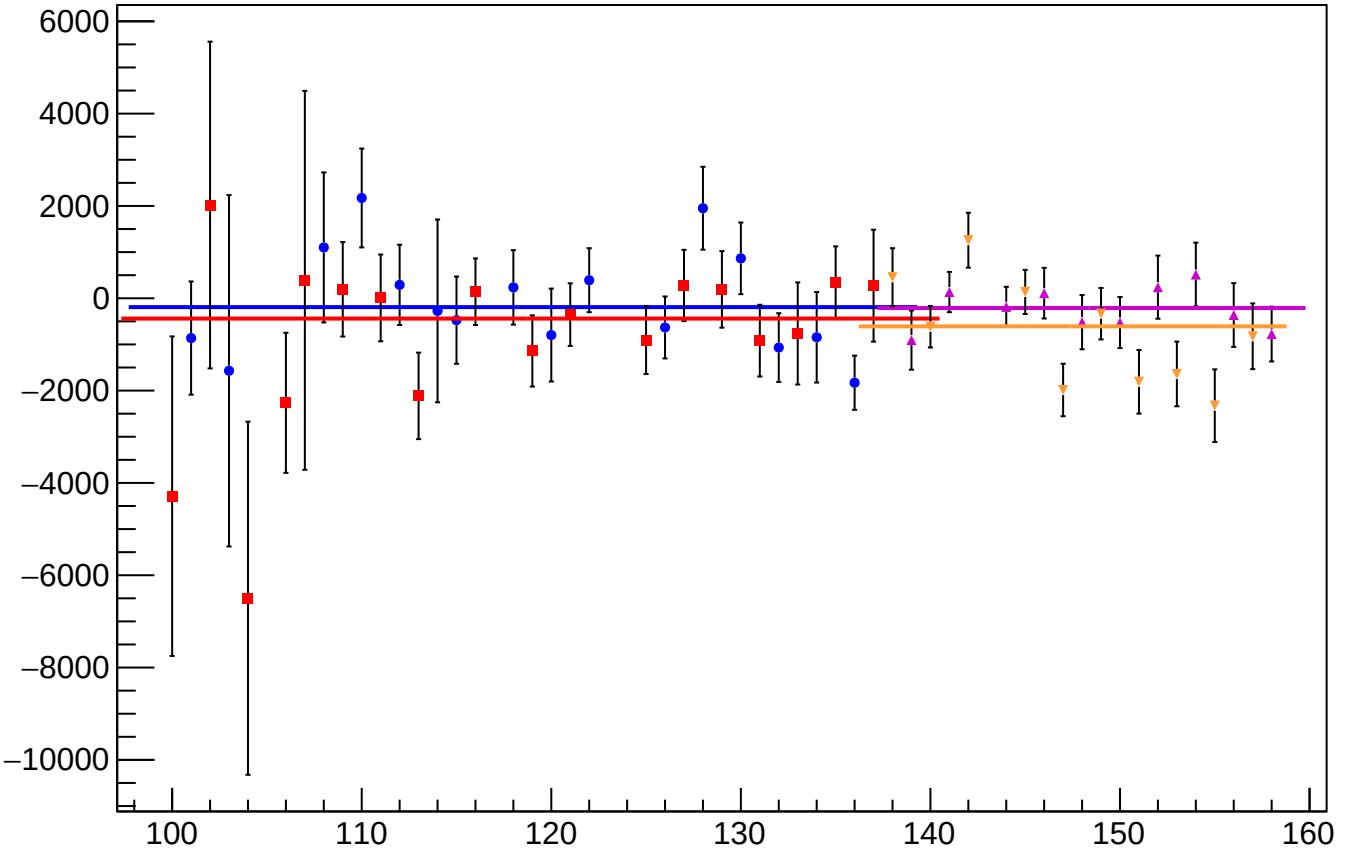
Left In: 1134.732+/-0.272 χ^2/NDF:2510.1/9

+ sign 1176.743+/-0.215 χ^2/NDF: 368302.1/25

All: 1184.381+/-0.151 χ^2/NDF: 1030969.3/53

- sign 1191.837+/-0.213 χ^2/NDF: 660181.0/27

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: -608.342+/-186.534 χ^2/NDF:31.3/9

Right Out: -439.610+/-226.600 χ^2/NDF: 14.6/17

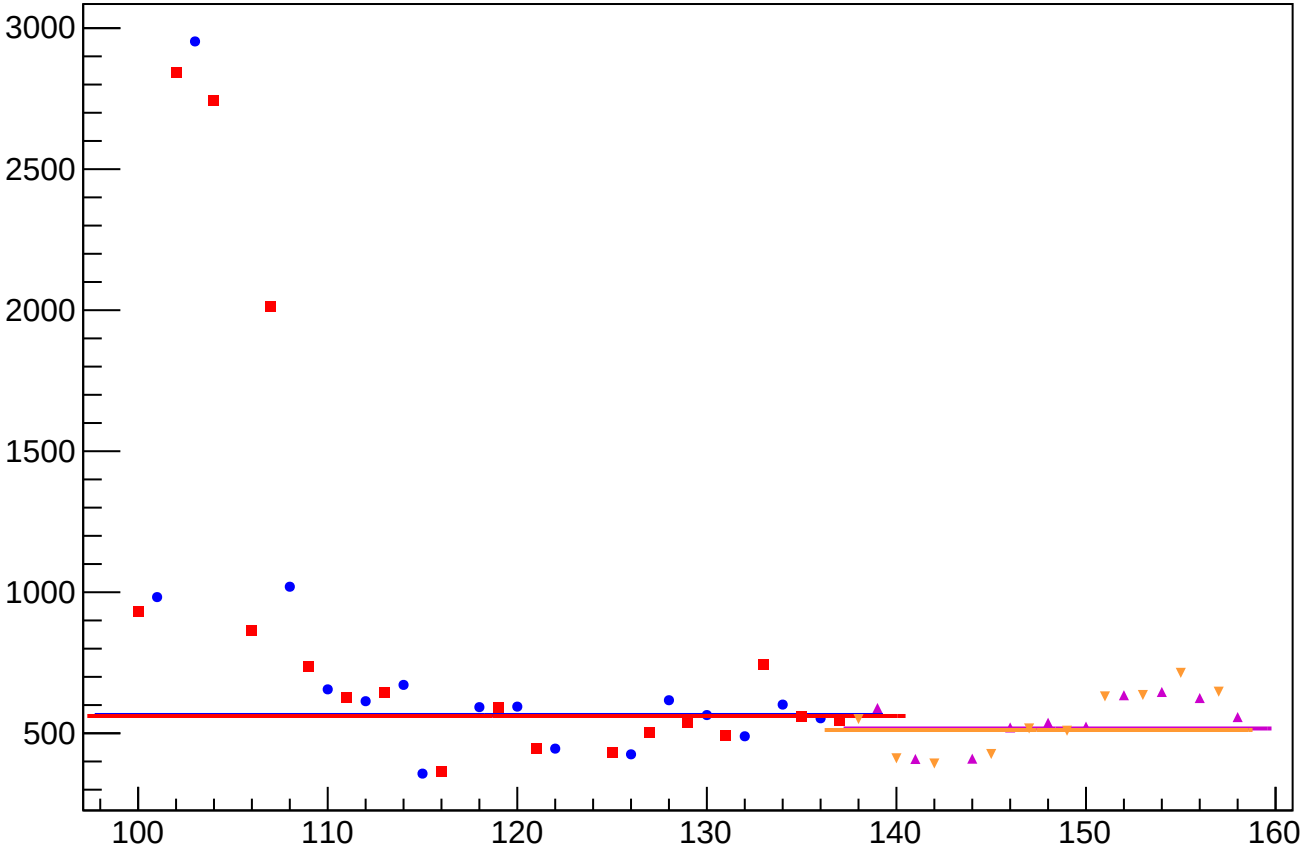
Left In: -211.476+/-177.722 χ^2/NDF:5.2/9

+ sign -436.543+/-143.016 χ^2/NDF: 58.7/25

All: -365.902+/-99.986 χ^2/NDF: 79.7/53

- sign -298.361+/-139.842 χ^2/NDF: 20.5/27

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 564.871+/-0.158 χ^2/NDF: 1480375.5/15

Left Out: 511.592+/-0.132 χ^2/NDF:578508.4/9

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

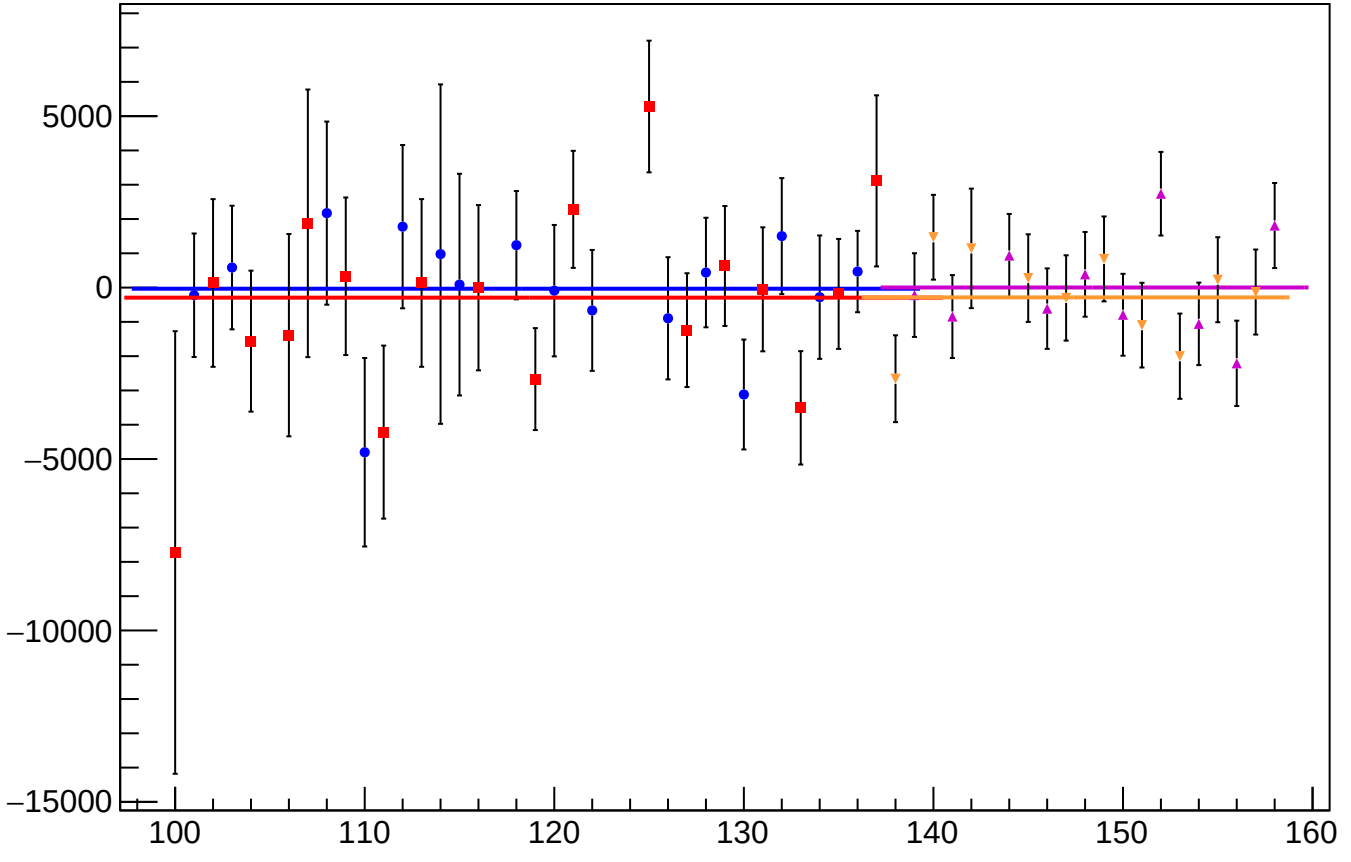
Left In: 516.952+/-0.126 χ^2/NDF:460868.4/9

+ sign 533.552+/-0.101 χ^2/NDF: 2126135.6/25

All: 533.695+/-0.071 χ^2/NDF: 4907751.9/53

- sign 533.832+/-0.099 χ^2/NDF: 2781612.4/27

eigen_dit_asym_usl_atl1_dd_mean vs Slug



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: -285.691+/-404.203 χ^2/NDF:9.7/9

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

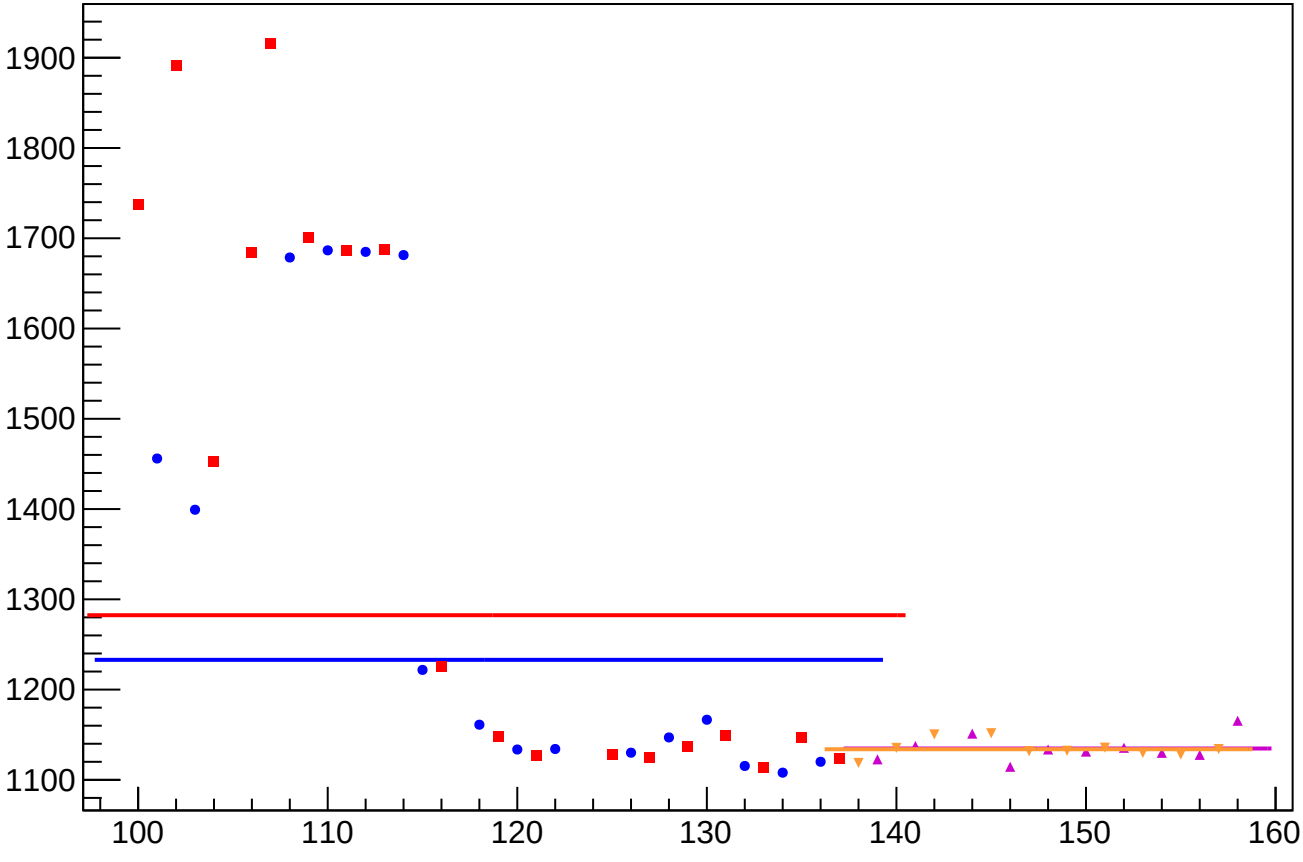
Left In: 3.143+/-384.185 χ^2/NDF:13.0/9

+ sign -176.484+/-304.556 χ^2/NDF: 20.2/25

All: -143.607+/-214.039 χ^2/NDF: 57.7/53

- sign -111.521+/-300.871 χ^2/NDF: 37.5/27

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1133.933+/-0.286 χ^2/NDF:933.7/9

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

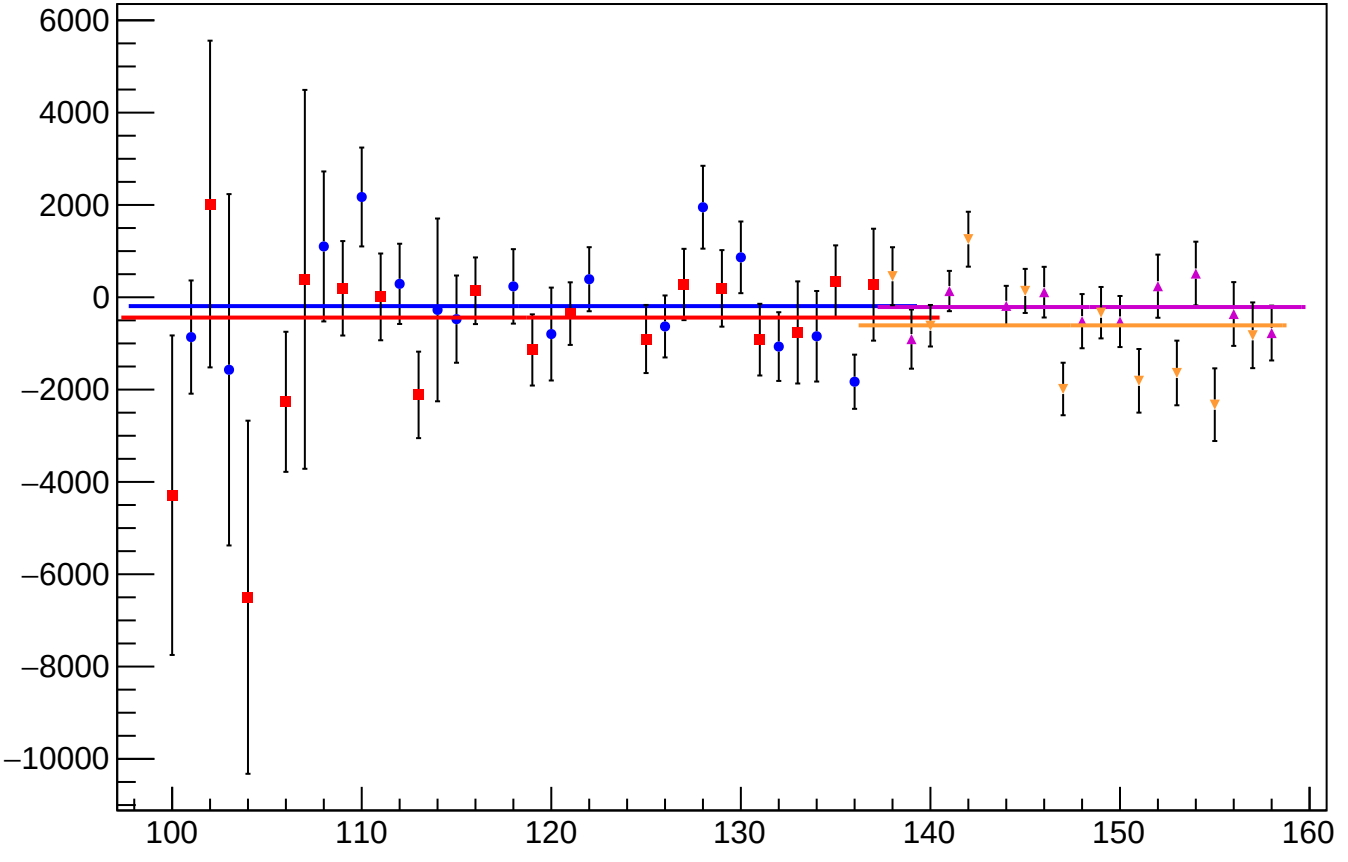
Left In: 1134.732+/-0.272 χ^2/NDF:2510.1/9

+ sign 1176.743+/-0.215 χ^2/NDF: 368301.6/25

All: 1184.381+/-0.151 χ^2/NDF: 1030968.2/53

- sign 1191.837+/-0.213 χ^2/NDF: 660180.3/27

asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug



Right In: -191.527+/-222.763 χ^2/NDF: 25.3/15

Left Out: -608.340+/-186.534 χ^2/NDF:31.3/9

Right Out: -439.611+/-226.600 χ^2/NDF: 14.6/17

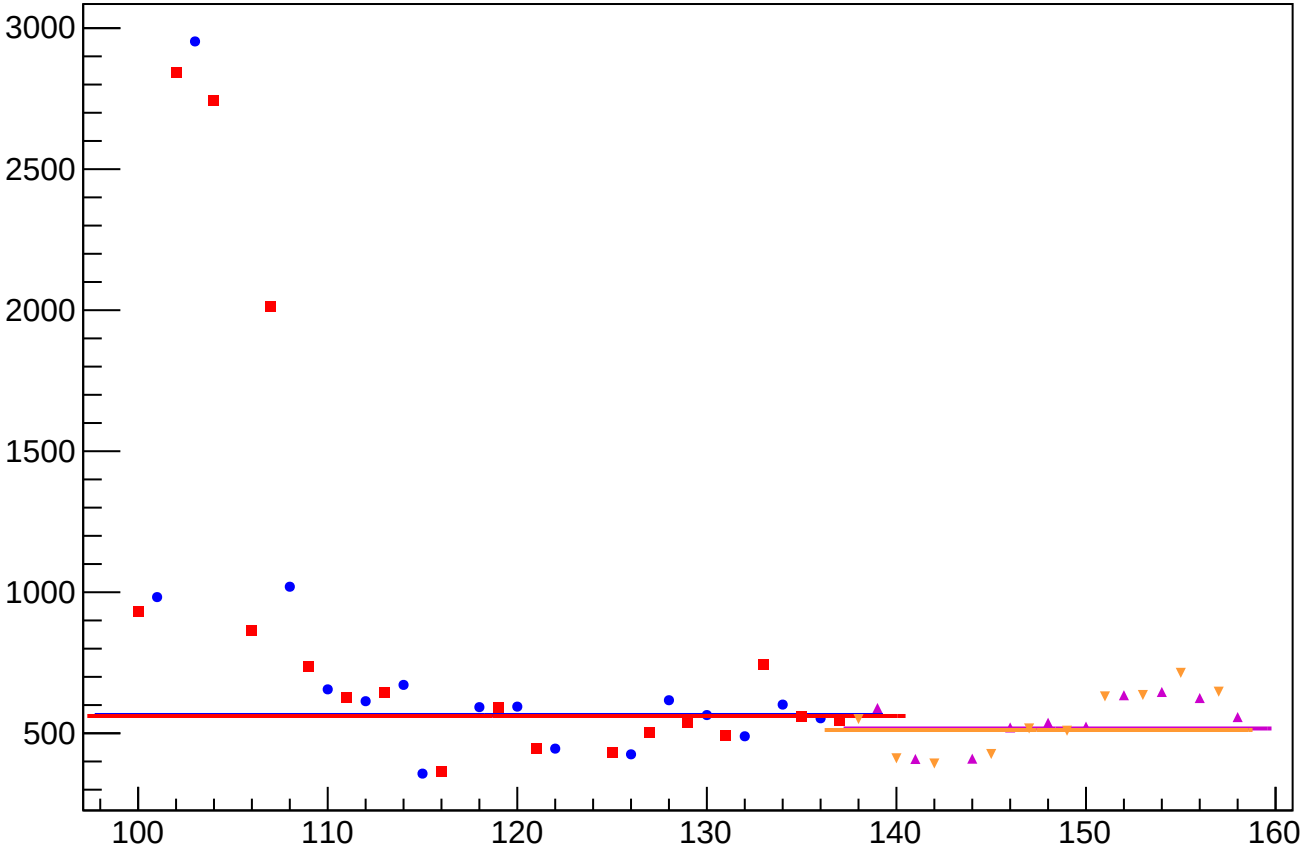
Left In: -211.476+/-177.722 χ^2/NDF:5.2/9

+ sign -436.542+/-143.015 χ^2/NDF: 58.7/25

All: -365.901+/-99.986 χ^2/NDF: 79.7/53

- sign -298.361+/-139.842 χ^2/NDF: 20.5/27

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



Right In: 564.871+/-0.158 χ^2/NDF: 1480372.9/15

Left Out: 511.591+/-0.132 χ^2/NDF:578527.6/9

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

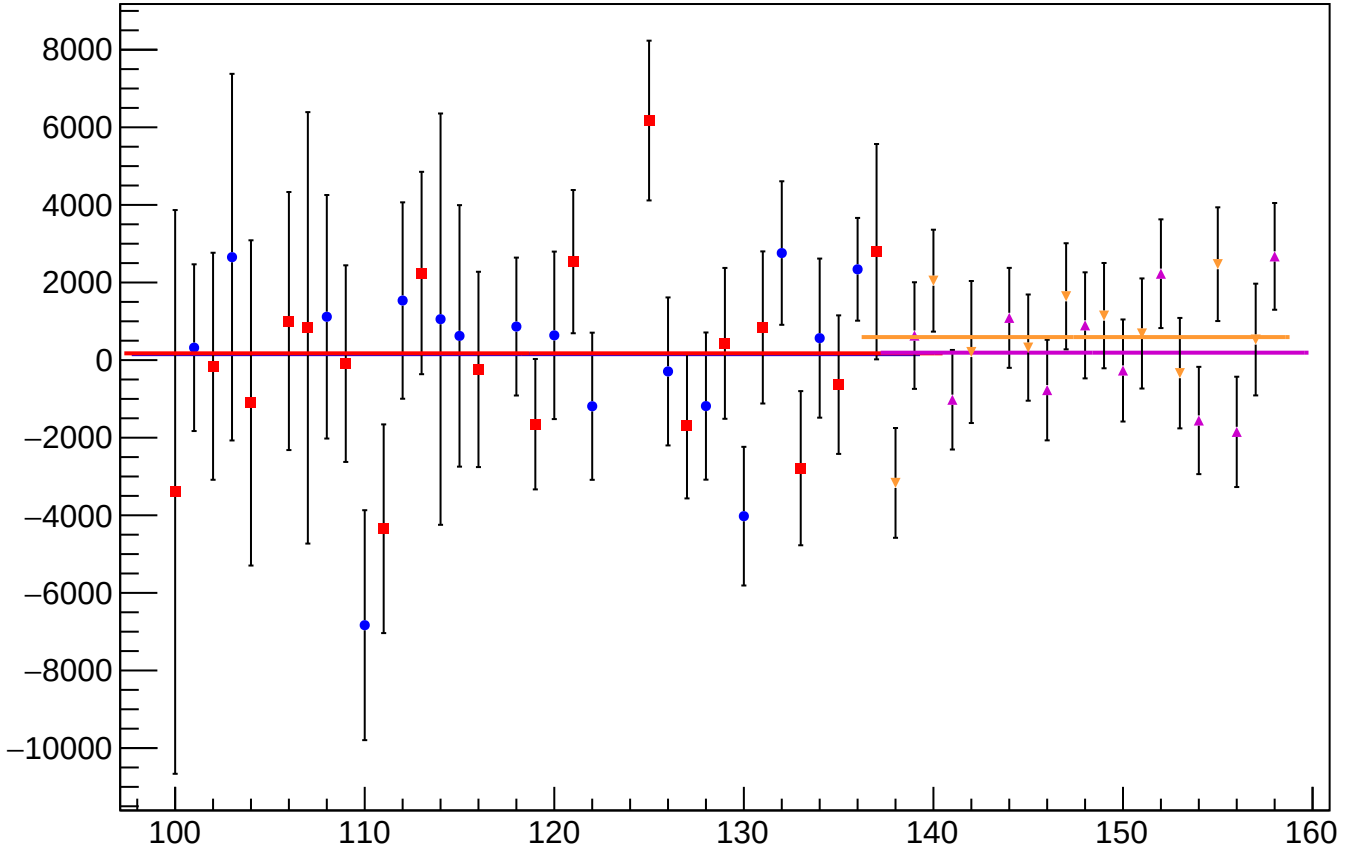
Left In: 516.951+/-0.126 χ^2/NDF:460880.9/9

+ sign 533.551+/-0.101 χ^2/NDF: 2126153.8/25

All: 533.695+/-0.071 χ^2/NDF: 4907784.3/53

- sign 533.831+/-0.099 χ^2/NDF: 2781626.6/27

asym_usl_atl1_dd_mean vs Slug



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: 593.245+/-450.497 χ^2/NDF:11.2/9

Right Out: 174.319+/-550.153 χ^2/NDF: 19.7/17

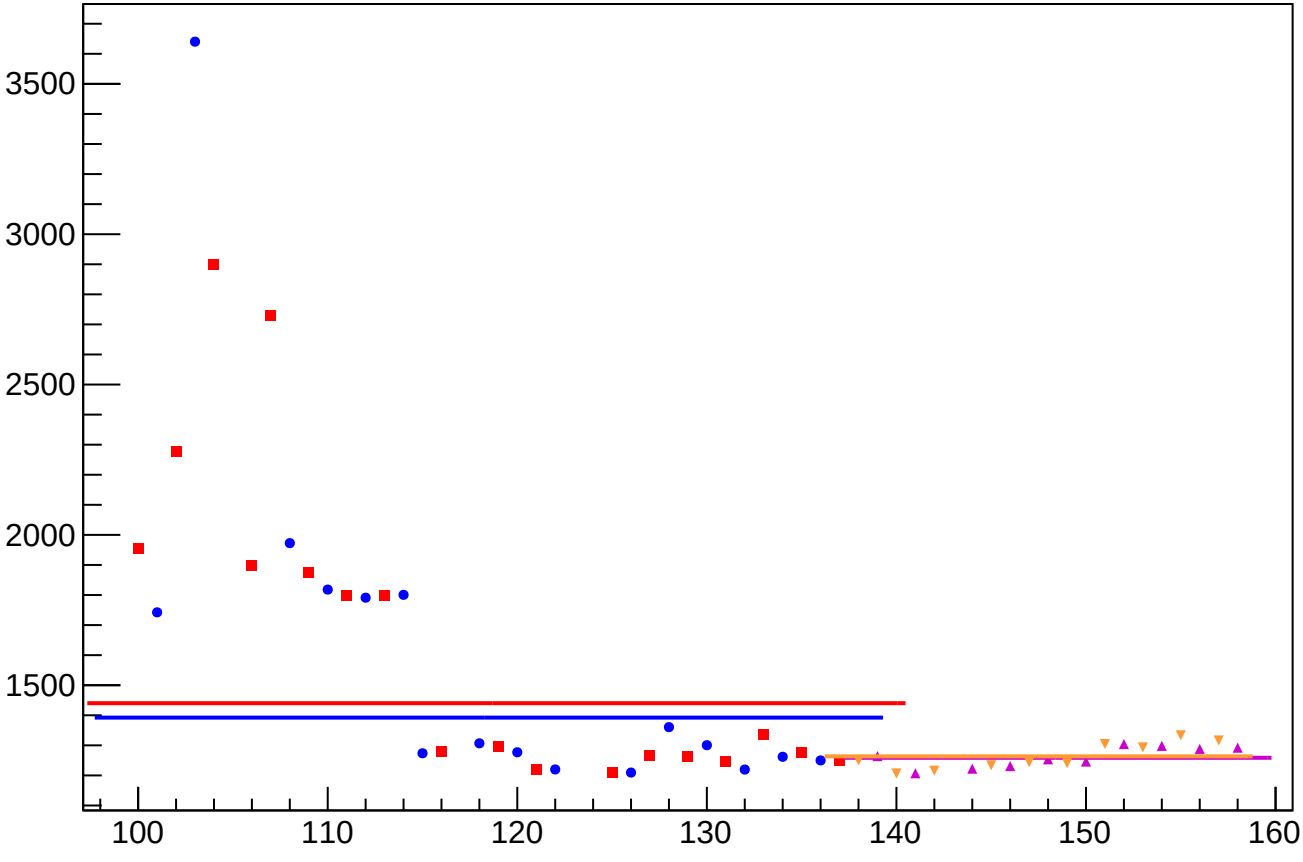
Left In: 191.258+/-426.276 χ^2/NDF:11.4/9

+ sign 409.589+/-343.820 χ^2/NDF: 29.4/25

All: 294.983+/-240.656 χ^2/NDF: 60.7/53

- sign 184.903+/-336.963 χ^2/NDF: 31.1/27

asym_usl_atl1_dd_rms vs Slug



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1263.428+/-0.319 χ^2/NDF:17045.0/9

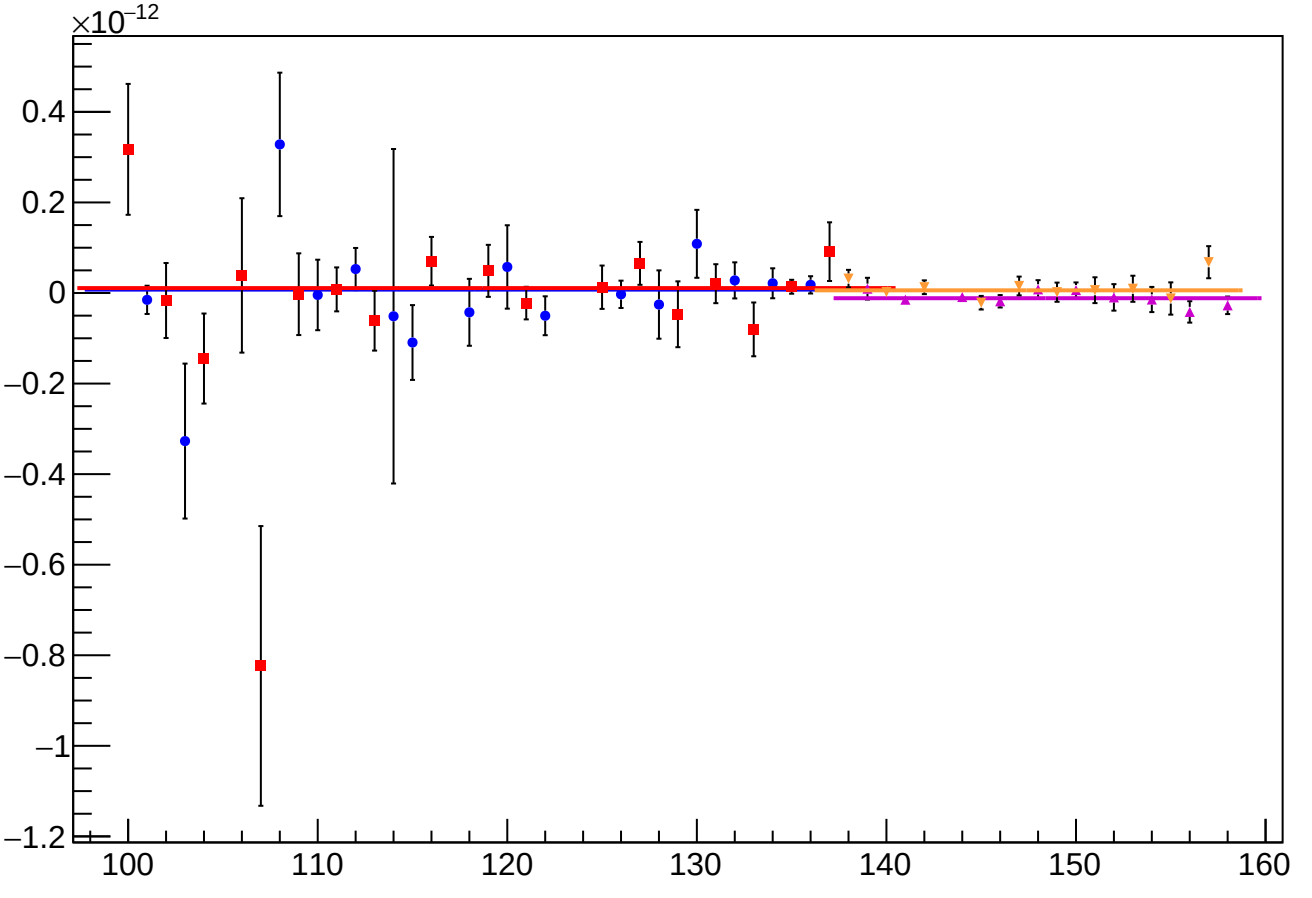
Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1258.641+/-0.301 χ^2/NDF:11758.2/9

+ sign 1317.235+/-0.243 χ^2/NDF: 864619.8/25

All: 1322.093+/-0.170 χ^2/NDF: 1868186.3/53

- sign 1326.760+/-0.238 χ^2/NDF: 1002783.6/27



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.0/9

Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/17

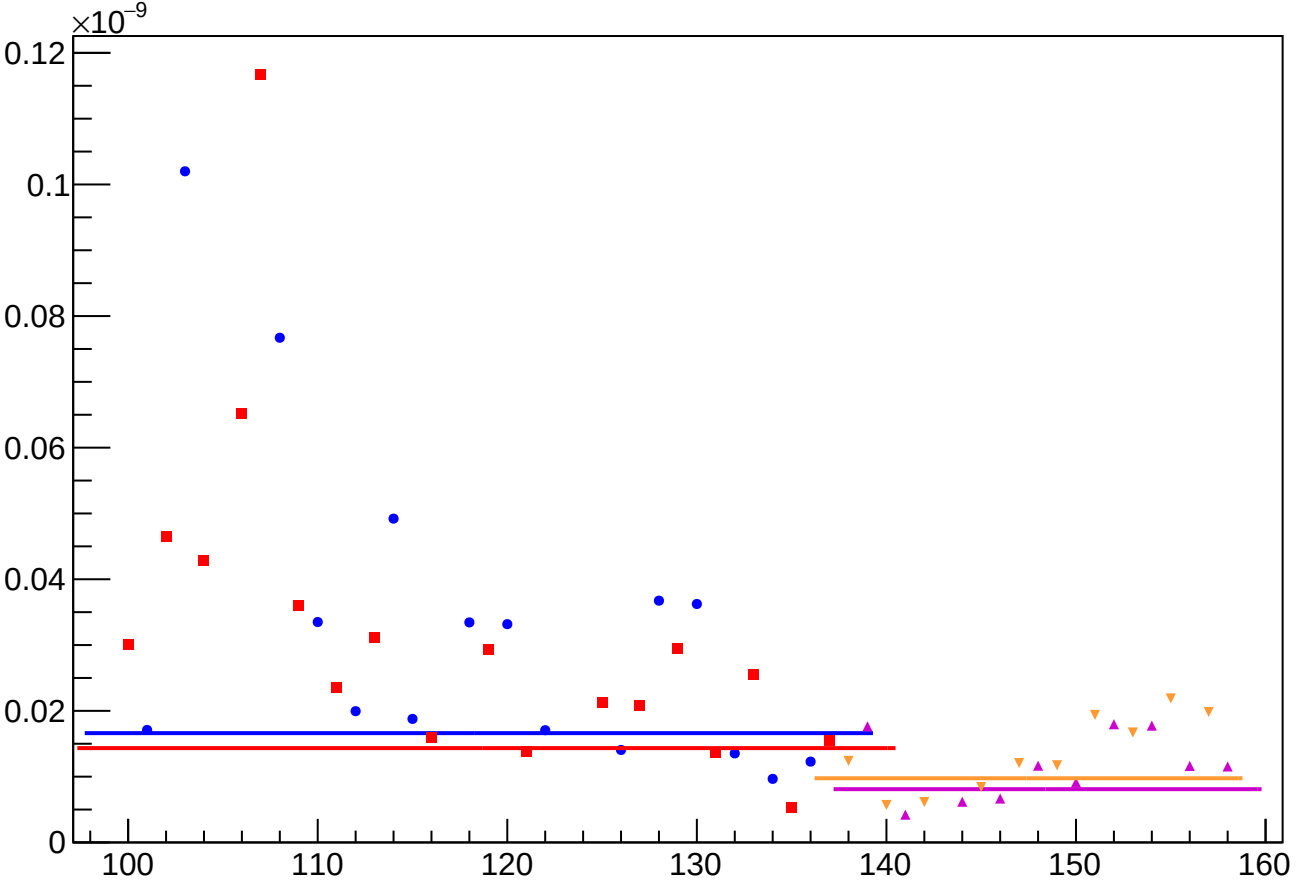
Left In: -0.000+/-0.000 χ^2/NDF:5.6/9

+ sign 0.000+/-0.000 χ^2/NDF: 25.9/25

All: -0.000+/-0.000 χ^2/NDF: 63.1/53

- sign -0.000+/-0.000 χ^2/NDF: 33.2/27

asym_usl_atl1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1214479.3/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

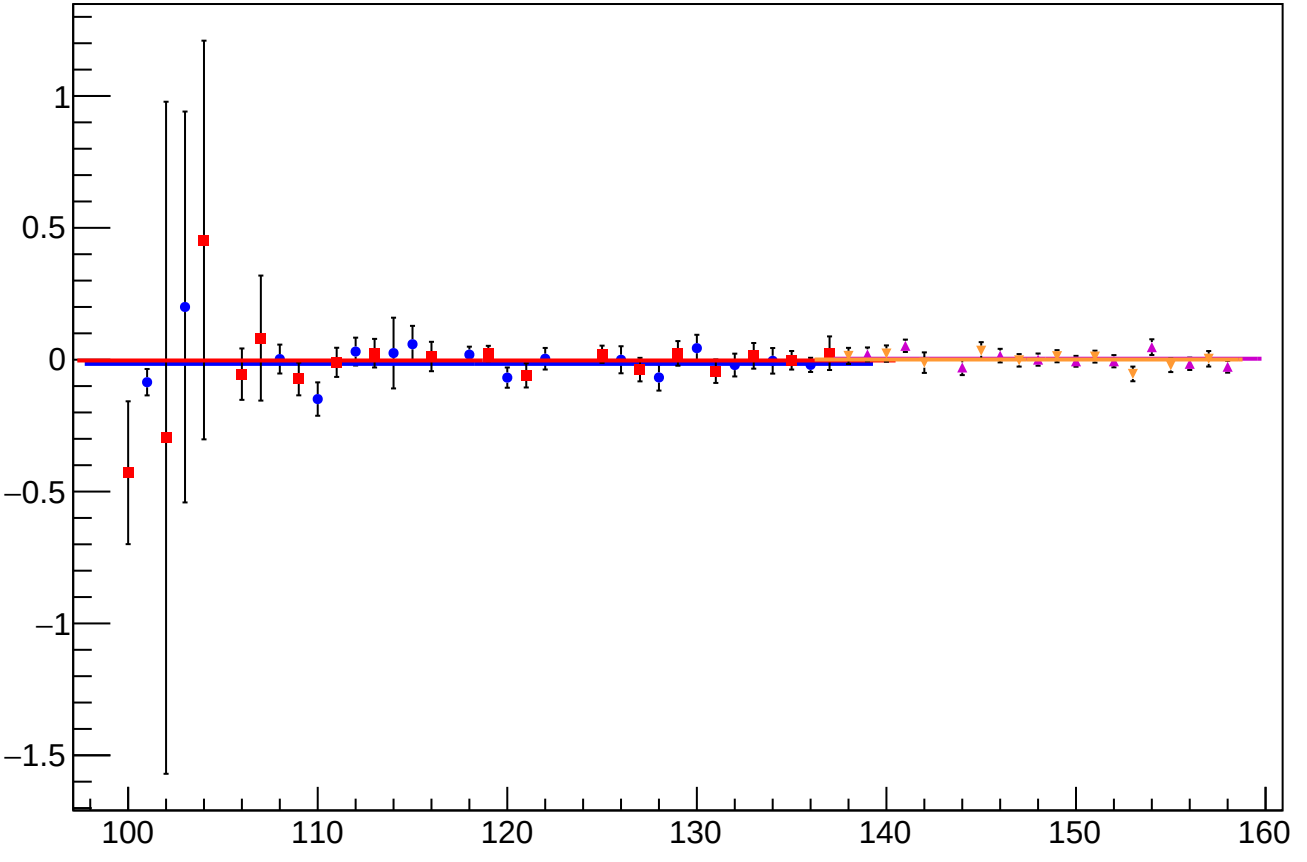
Left In: 0.000+/-0.000 χ^2/NDF:1391644.6/9

+ sign 0.000+/-0.000 χ^2/NDF: 3399662.6/25

All: 0.000+/-0.000 χ^2/NDF: 7801913.2/53

- sign 0.000+/-0.000 χ^2/NDF: 4216285.7/27

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.001+/-0.009 χ^2/NDF:7.0/9

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

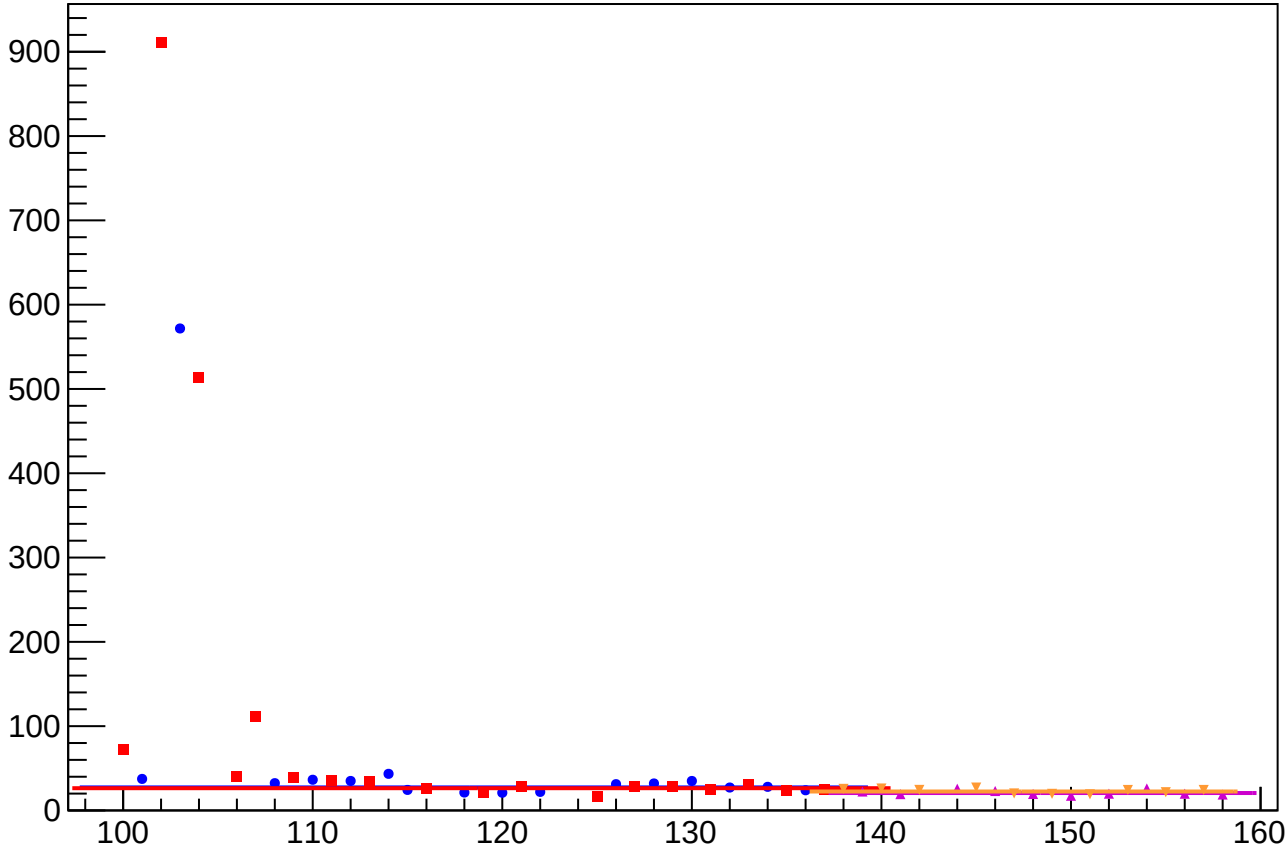
Left In: 0.004+/-0.008 χ^2/NDF:11.3/9

\+ sign -0.005+/-0.007 χ^2/NDF: 22.9/25

All: -0.001+/-0.005 χ^2/NDF: 44.9/53

\- sign 0.002+/-0.006 χ^2/NDF: 21.4/27

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 22.483+/-0.006 χ^2/NDF:202685.6/9

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

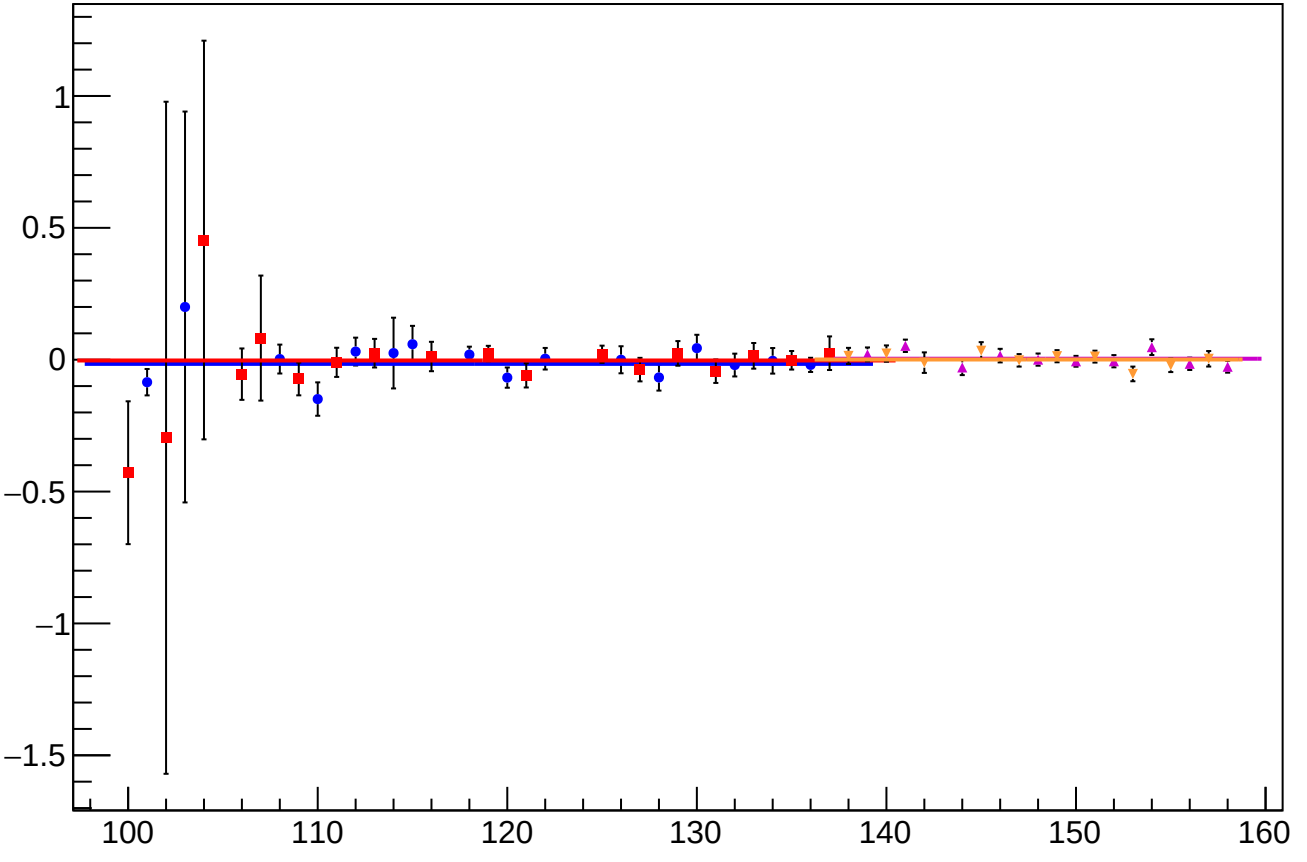
Left In: 20.677+/-0.005 χ^2/NDF:232994.7/9

+ sign 24.221+/-0.005 χ^2/NDF: 1993648.5/25

All: 23.214+/-0.003 χ^2/NDF: 5241785.6/53

- sign 22.337+/-0.005 χ^2/NDF: 3169398.9/27

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.001+/-0.009 χ^2/NDF:7.0/9

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

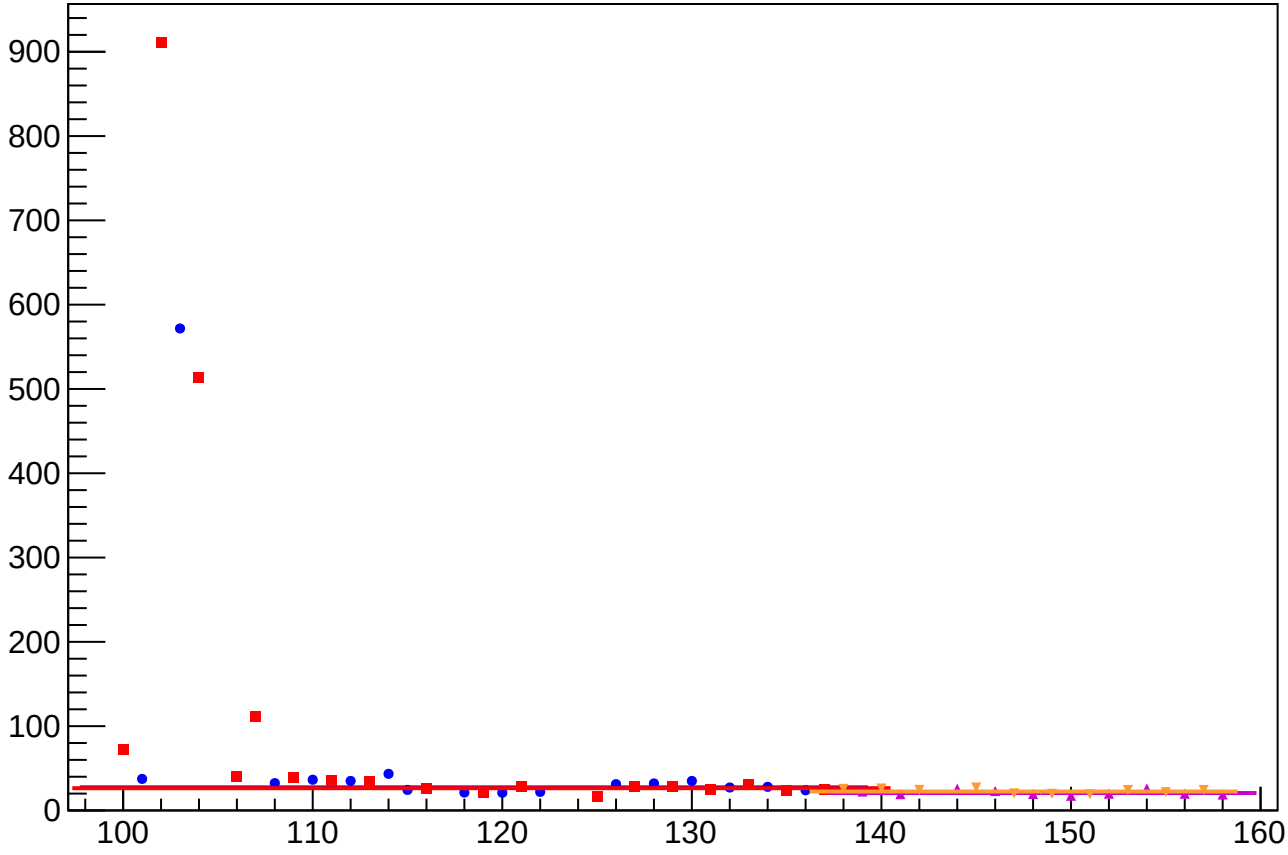
Left In: 0.004+/-0.008 χ^2/NDF:11.3/9

\+ sign -0.005+/-0.007 χ^2/NDF: 22.9/25

All: -0.001+/-0.005 χ^2/NDF: 44.9/53

\- sign 0.002+/-0.006 χ^2/NDF: 21.4/27

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 22.483+/-0.006 χ^2/NDF:202685.6/9

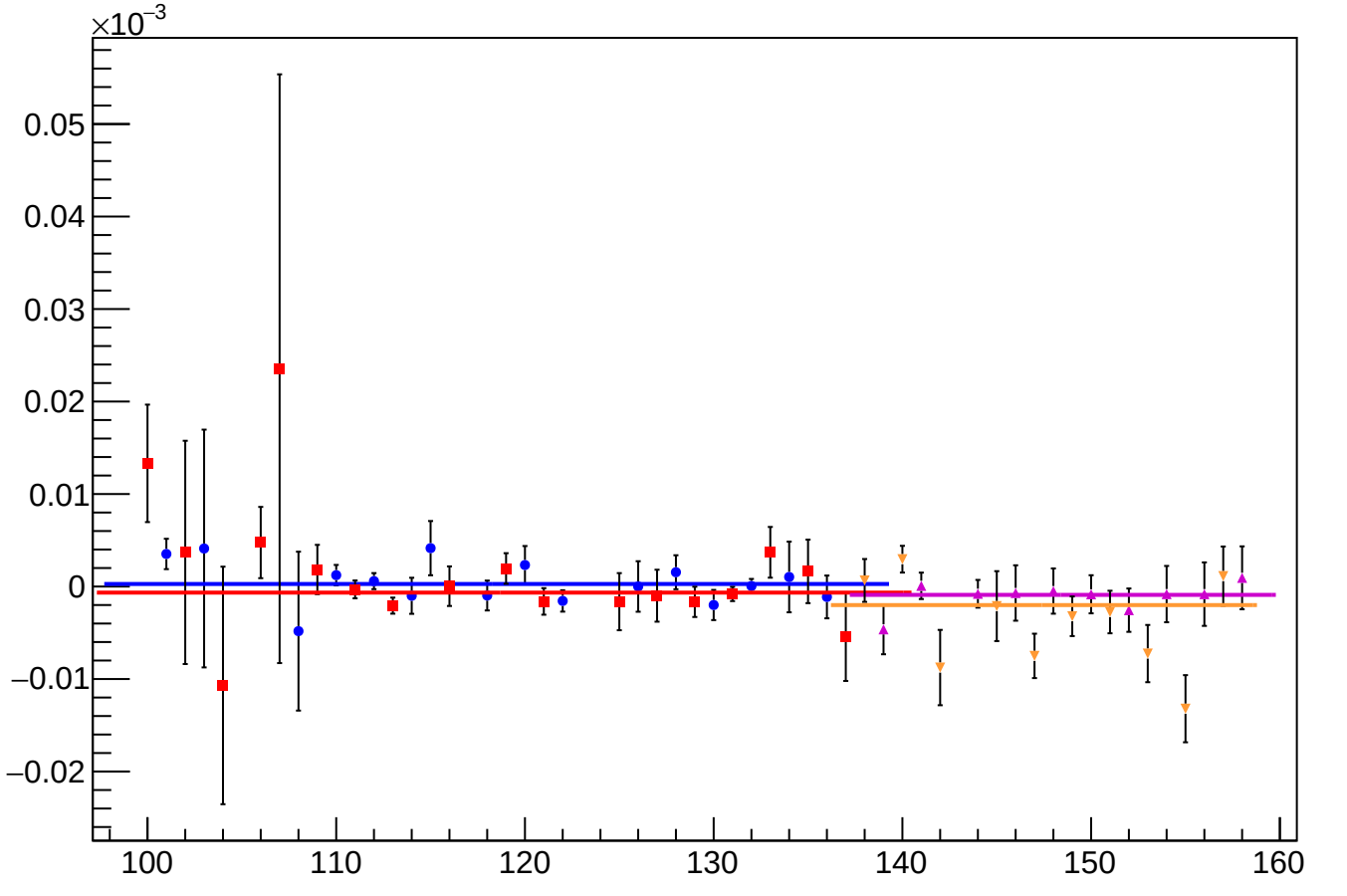
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.677+/-0.005 χ^2/NDF:232994.7/9

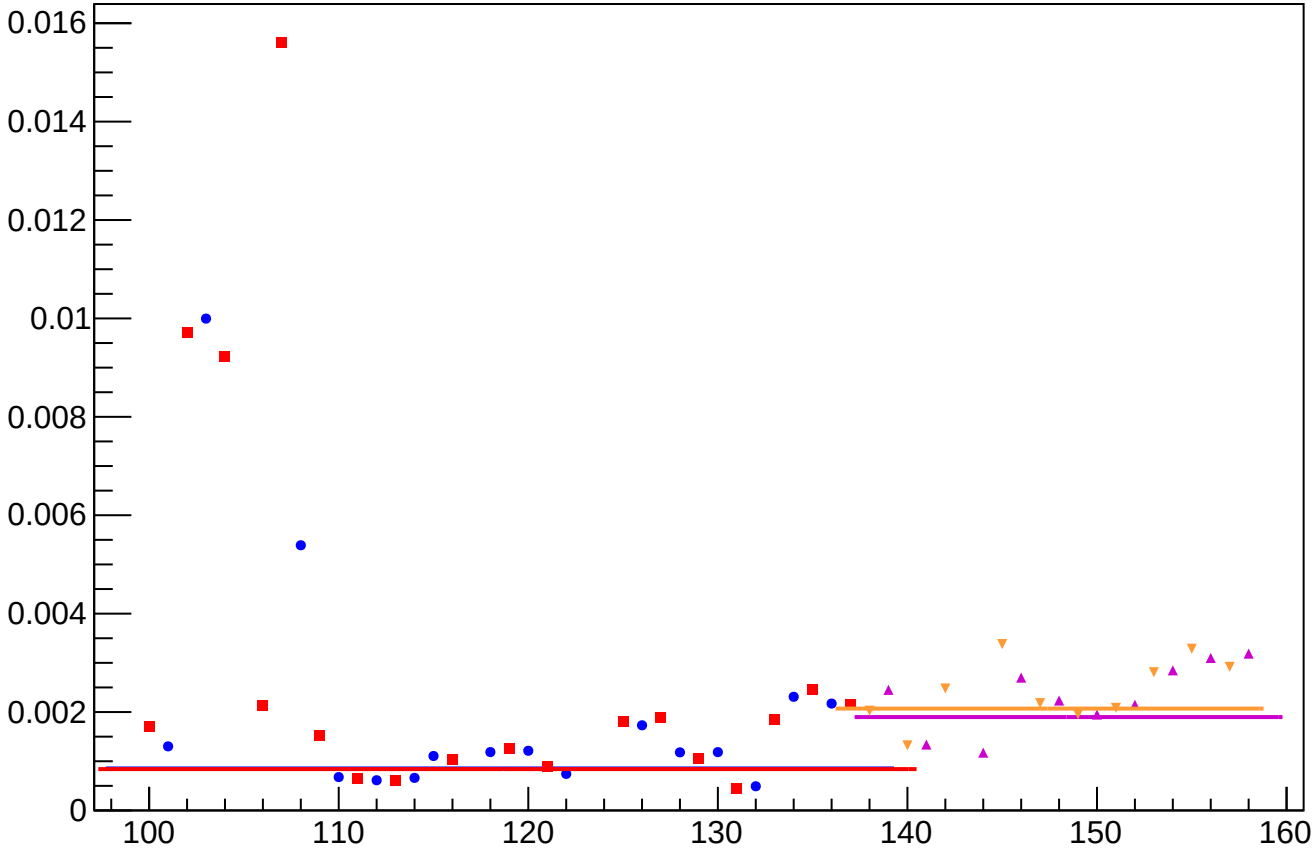
+ sign 24.221+/-0.005 χ^2/NDF: 1993648.5/25

All: 23.214+/-0.003 χ^2/NDF: 5241785.6/53

- sign 22.337+/-0.005 χ^2/NDF: 3169398.9/27


asym_usl_atl1_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.05
0.04
0.03
0.02
0.01
0
−0.01
−0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 14.4/15
Left Out: -0.000+/-0.000 χ²/NDF:34.9/9
Right Out: -0.000+/-0.000 χ²/NDF: 19.3/17
Left In: -0.000+/-0.000 χ²/NDF:3.2/9
+ sign -0.000+/-0.000 χ²/NDF: 56.3/25
All: -0.000+/-0.000 χ²/NDF: 80.2/53
- sign -0.000+/-0.000 χ²/NDF: 22.6/27

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 3863719.0/15

Left Out: 0.002+/-0.000 χ^2/NDF:1286490.0/9

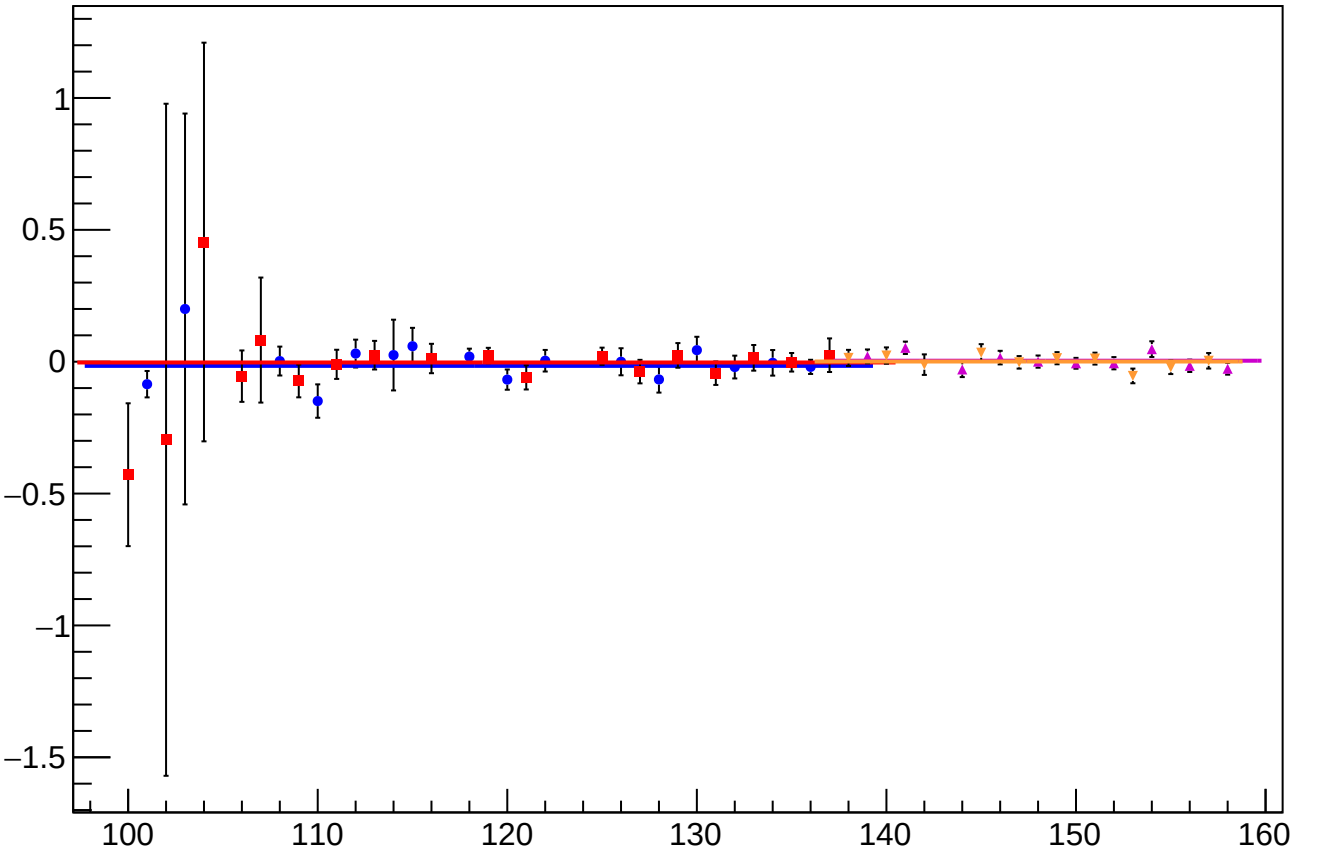
Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.002+/-0.000 χ^2/NDF:1788759.2/9

+ sign 0.001+/-0.000 χ^2/NDF: 9120492.1/25

All: 0.001+/-0.000 χ^2/NDF: 19405673.9/53

- sign 0.001+/-0.000 χ^2/NDF: 10282875.5/27



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.001+/-0.009 χ^2/NDF:7.0/9

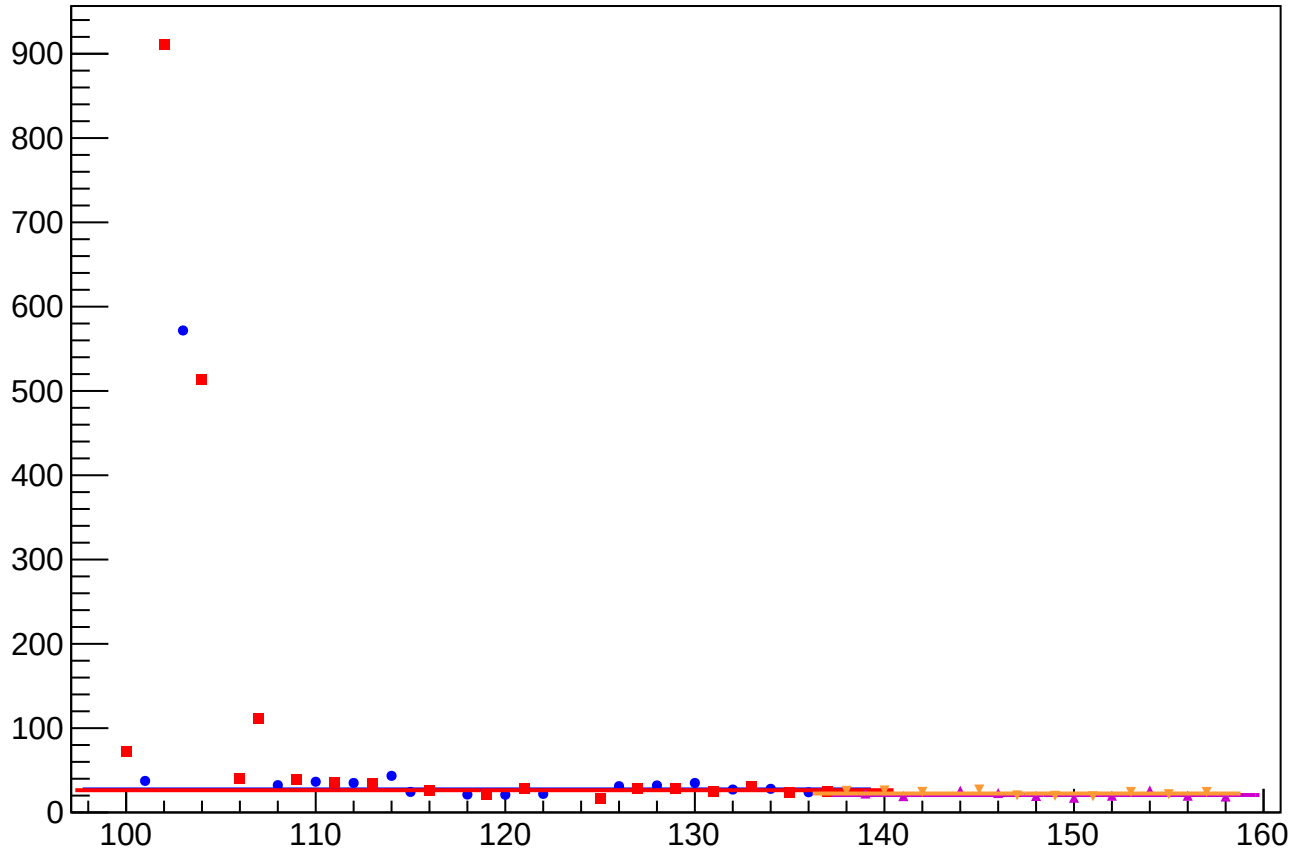
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: 0.004+/-0.008 χ^2/NDF:11.3/9

+ sign -0.005+/-0.007 χ^2/NDF: 22.9/25

All: -0.001+/-0.005 χ^2/NDF: 44.9/53

- sign 0.002+/-0.006 χ^2/NDF: 21.4/27



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 22.483+/-0.006 χ^2/NDF:202665.7/9

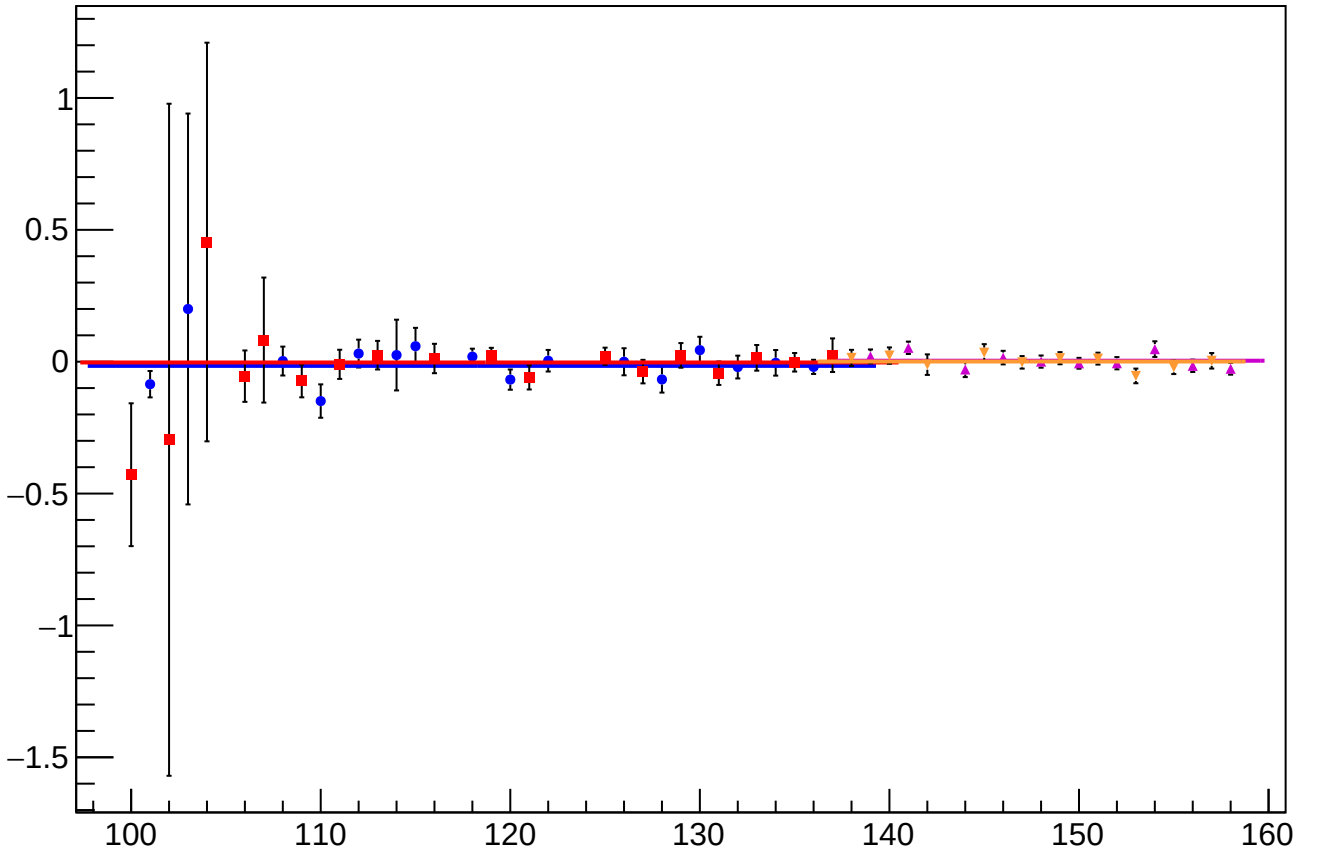
Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.677+/-0.005 χ^2/NDF:233009.9/9

+ sign 24.221+/-0.005 χ^2/NDF: 1993634.1/25

All: 23.214+/-0.003 χ^2/NDF: 5241804.7/53

- sign 22.337+/-0.005 χ^2/NDF: 3169436.1/27



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.001+/-0.009 χ^2/NDF:7.0/9

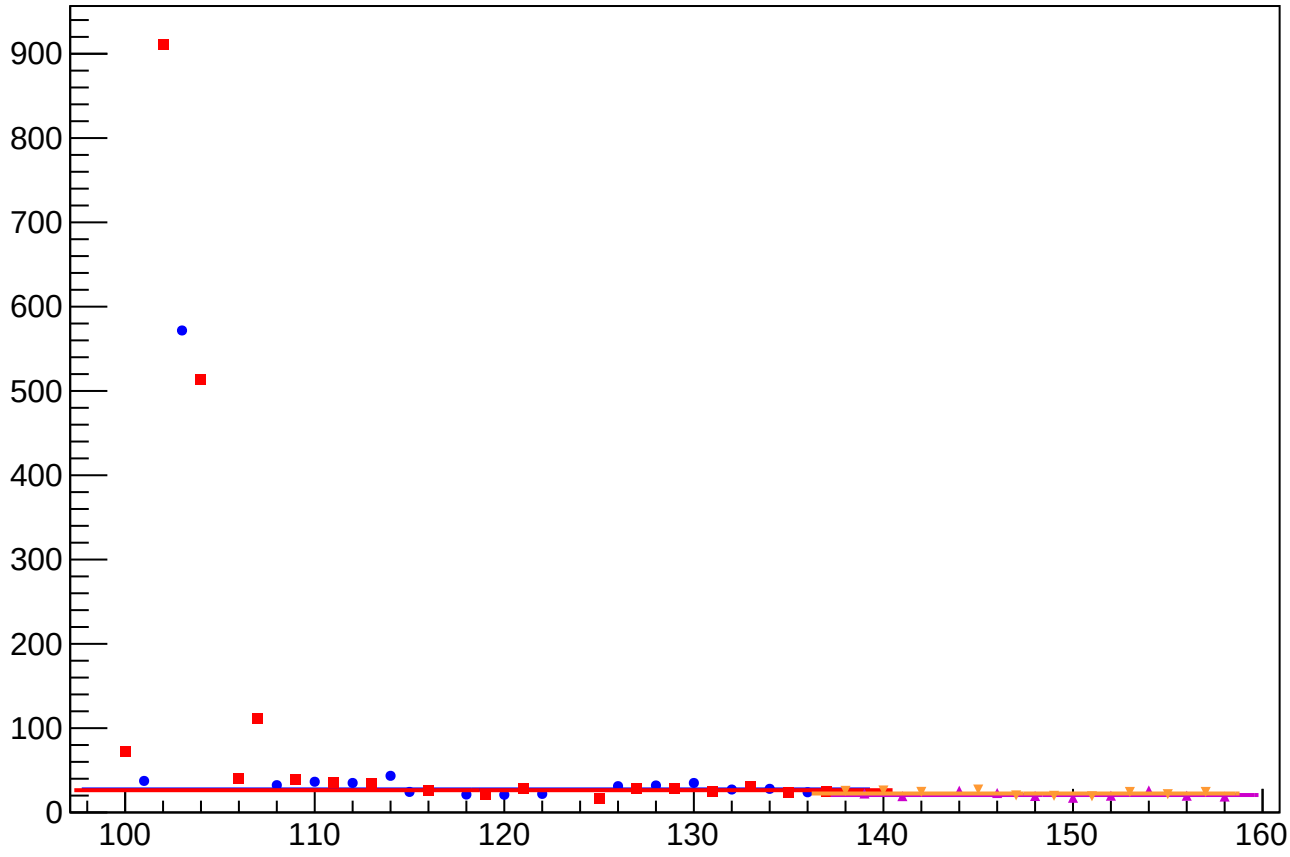
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: 0.004+/-0.008 χ^2/NDF:11.3/9

\+ sign -0.005+/-0.007 χ^2/NDF: 22.9/25

All: -0.001+/-0.005 χ^2/NDF: 44.9/53

\- sign 0.002+/-0.006 χ^2/NDF: 21.4/27



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 22.483+/-0.006 χ^2/NDF:202665.7/9

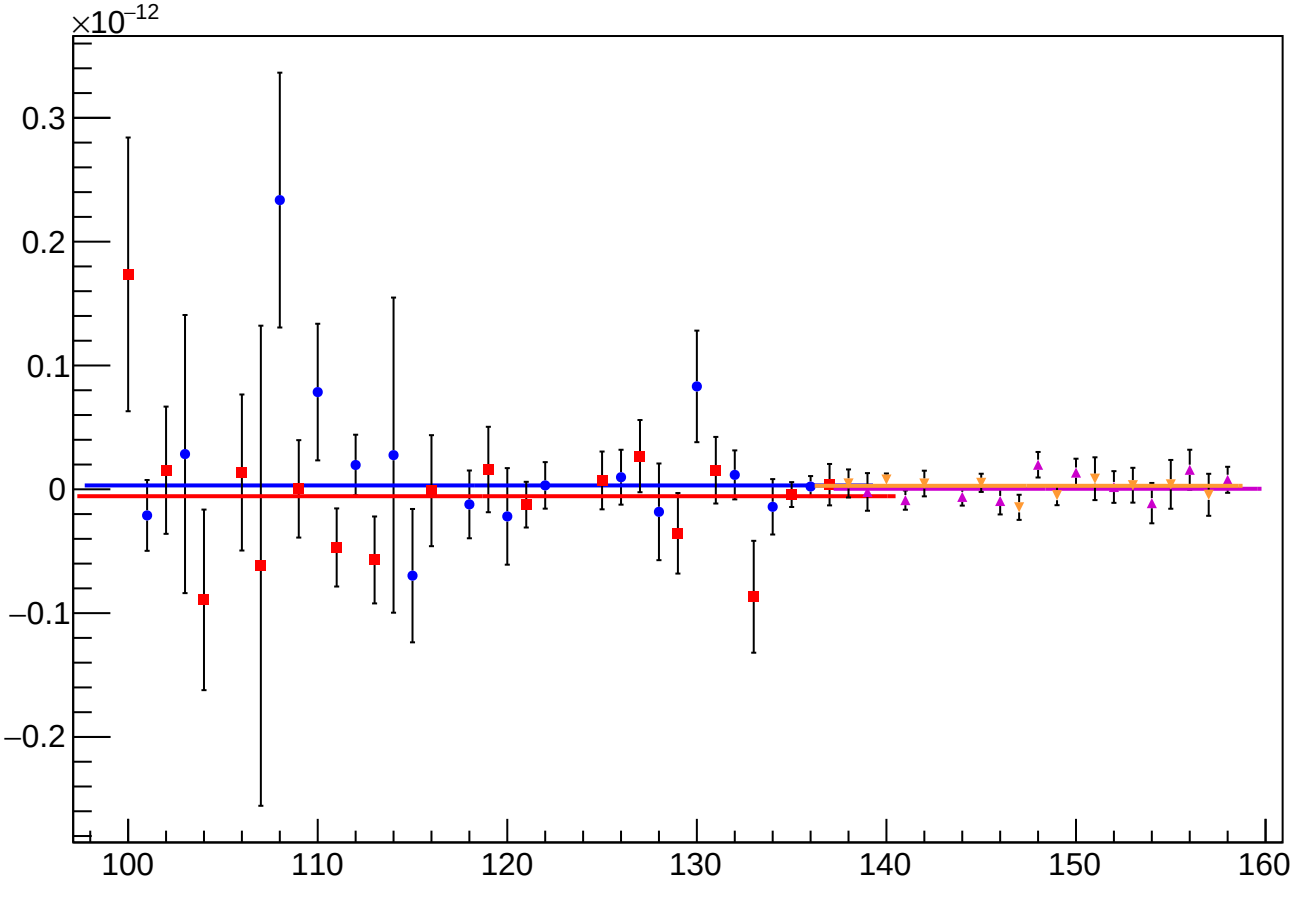
Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.677+/-0.005 χ^2/NDF:233009.9/9

+ sign 24.221+/-0.005 χ^2/NDF: 1993634.1/25

All: 23.214+/-0.003 χ^2/NDF: 5241804.7/53

- sign 22.337+/-0.005 χ^2/NDF: 3169436.1/27



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.3/9

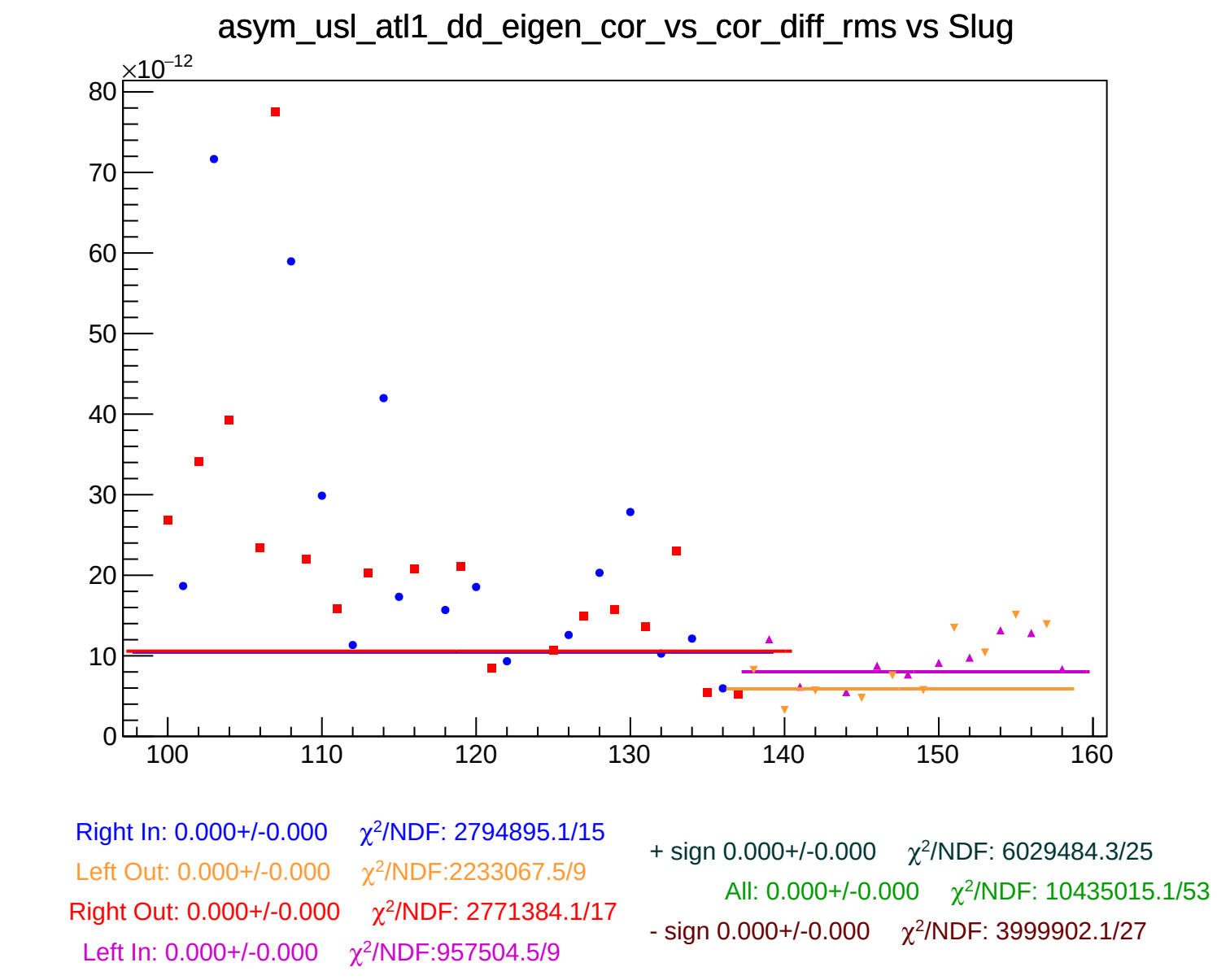
Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: 0.000+/-0.000 χ^2/NDF:9.9/9

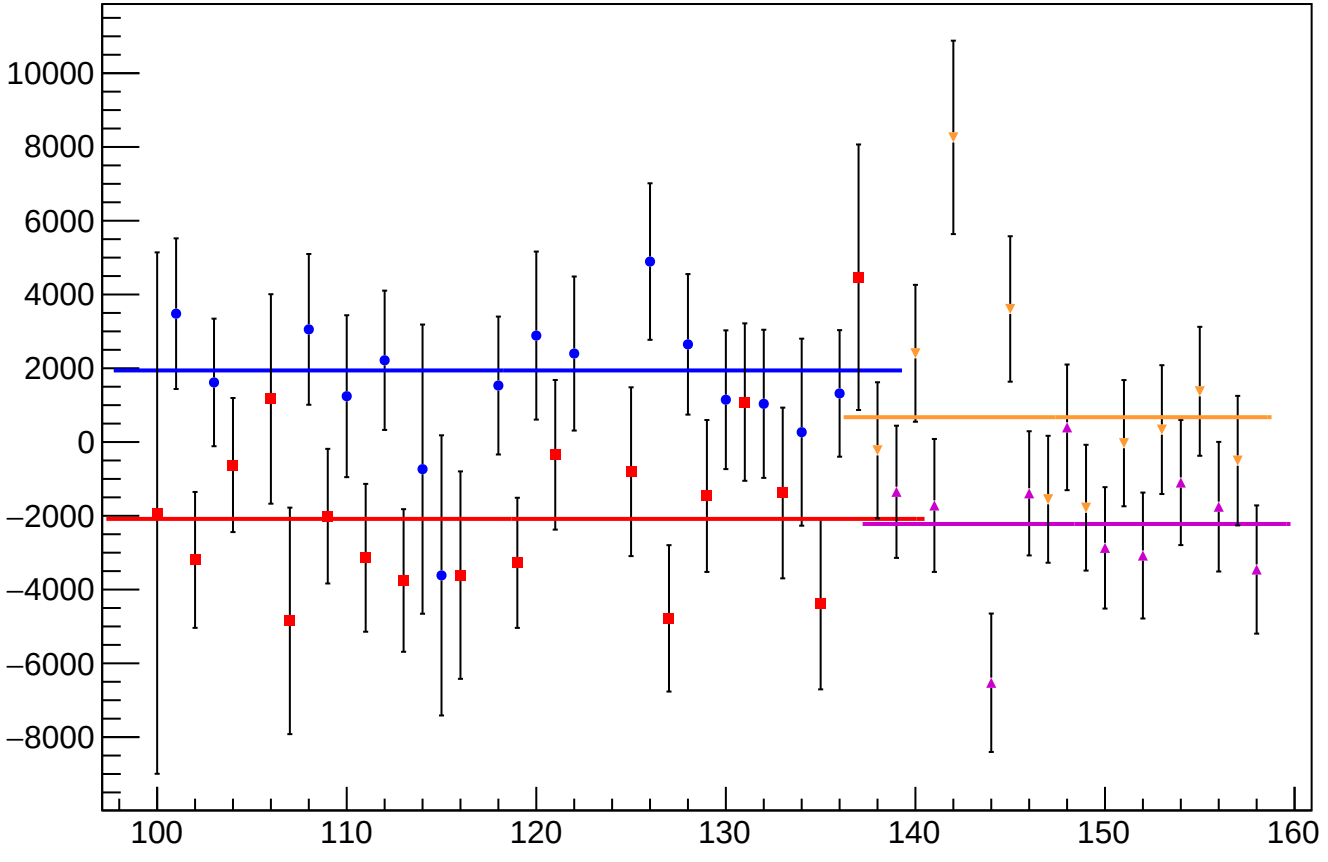
+ sign 0.000+/-0.000 χ^2/NDF: 20.4/25

All: 0.000+/-0.000 χ^2/NDF: 47.2/53

- sign -0.000+/-0.000 χ^2/NDF: 25.9/27


asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2794895.1/15
Left Out: 0.000+/-0.000 χ²/NDF:2233067.5/9
Right Out: 0.000+/-0.000 χ²/NDF: 2771384.1/17
Left In: 0.000+/-0.000 χ²/NDF:957504.5/9
+ sign 0.000+/-0.000 χ²/NDF: 6029484.3/25
All: 0.000+/-0.000 χ²/NDF: 10435015.1/53
- sign 0.000+/-0.000 χ²/NDF: 3999902.1/27

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 673.197+/-578.412 χ^2/NDF:16.3/9

Right Out: -2083.952+/-519.583 χ^2/NDF: 14.5/17

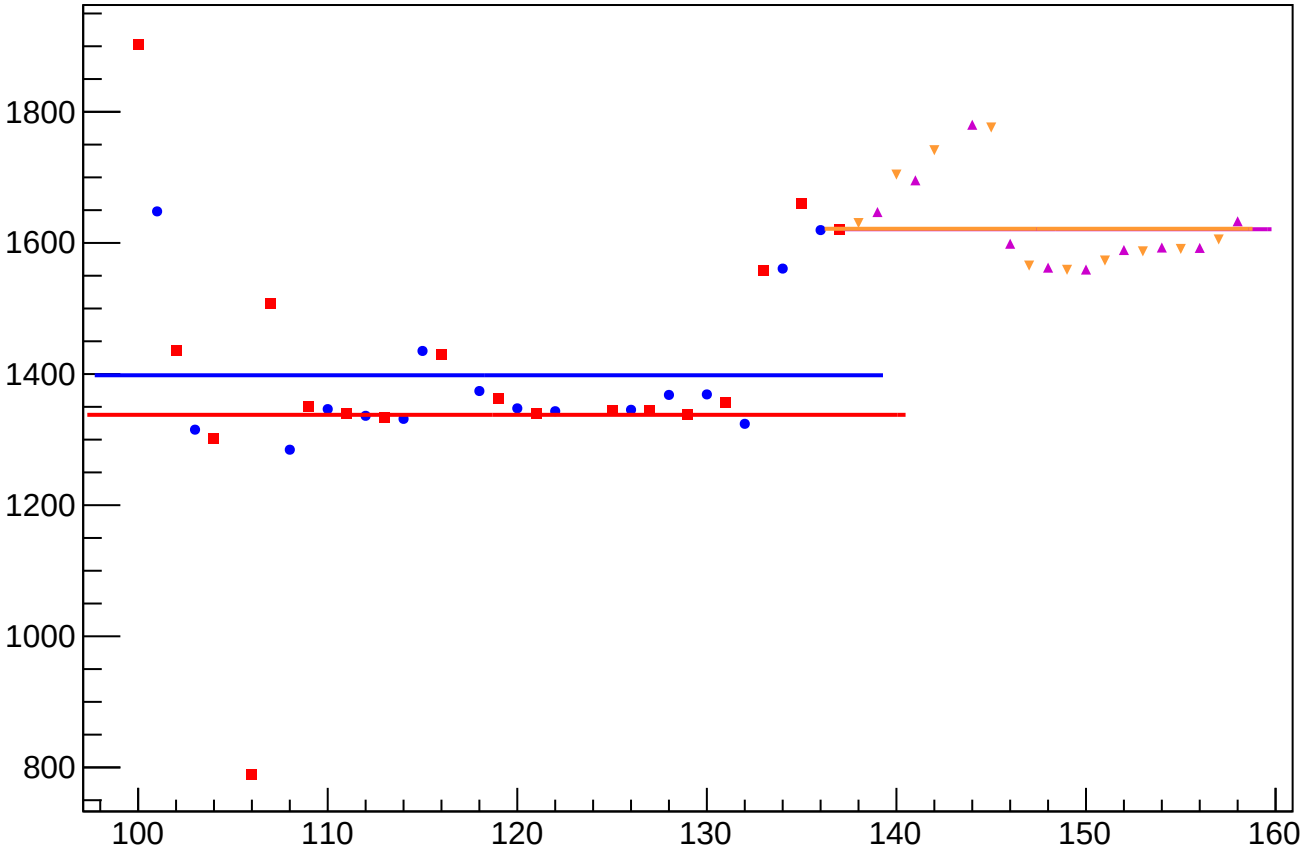
Left In: -2221.532+/-549.227 χ^2/NDF:9.6/9

+ sign 1371.699+/-387.594 χ^2/NDF: 25.8/25

All: -435.310+/-270.411 χ^2/NDF: 92.3/53

- sign -2148.929+/-377.446 χ^2/NDF: 24.1/27

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1621.611+/-0.409 χ^2/NDF:28463.5/9

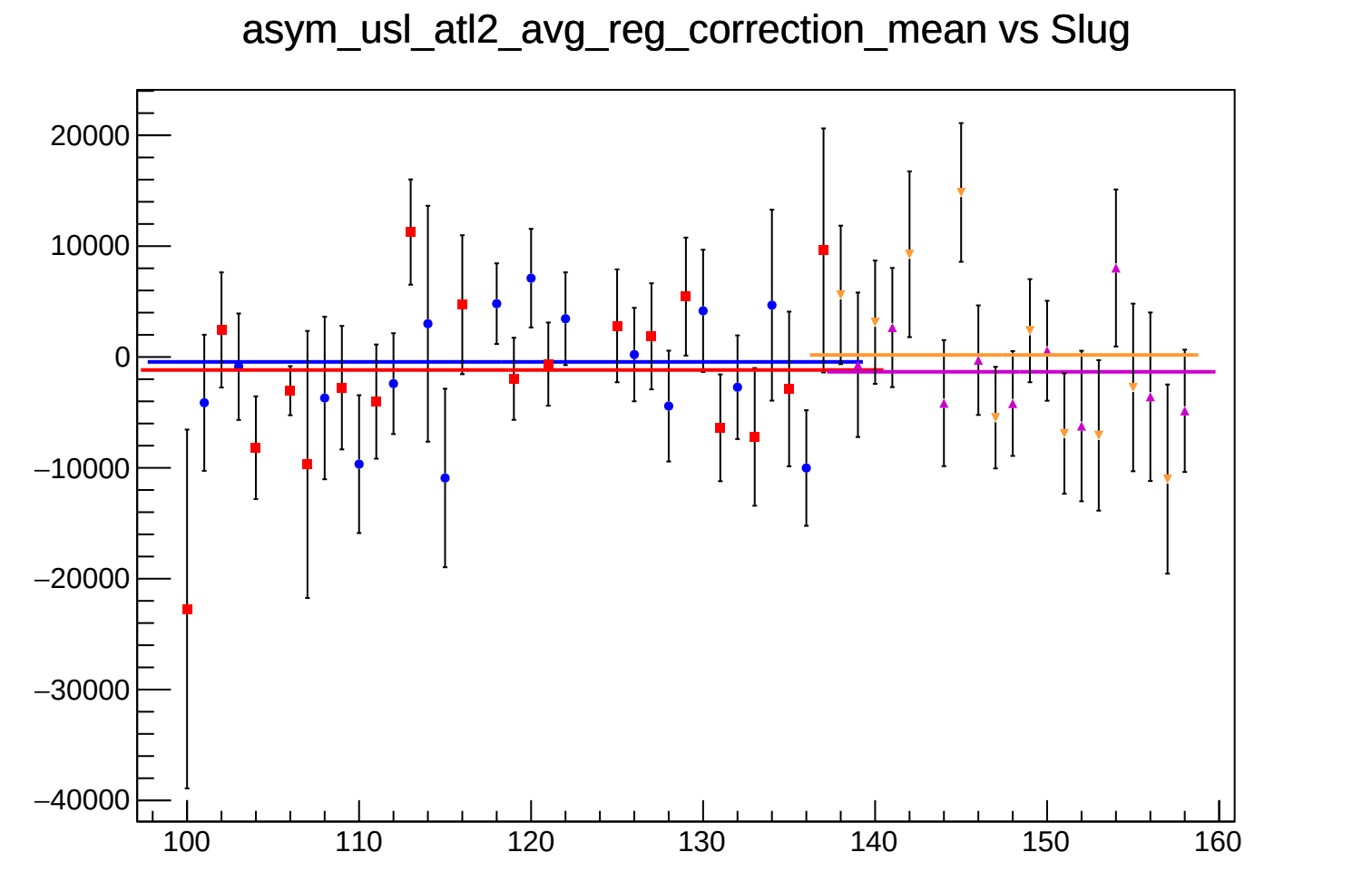
Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1620.905+/-0.388 χ^2/NDF:25636.2/9

+ sign 1498.498+/-0.274 χ^2/NDF: 286839.7/25

All: 1482.085+/-0.190 χ^2/NDF: 925902.0/53

- sign 1467.041+/-0.262 χ^2/NDF: 632188.7/27



Right In: -441.138+/-1295.916 χ^2/NDF: 15.9/15

Left Out: 184.367+/-1882.354 χ^2/NDF:14.5/9

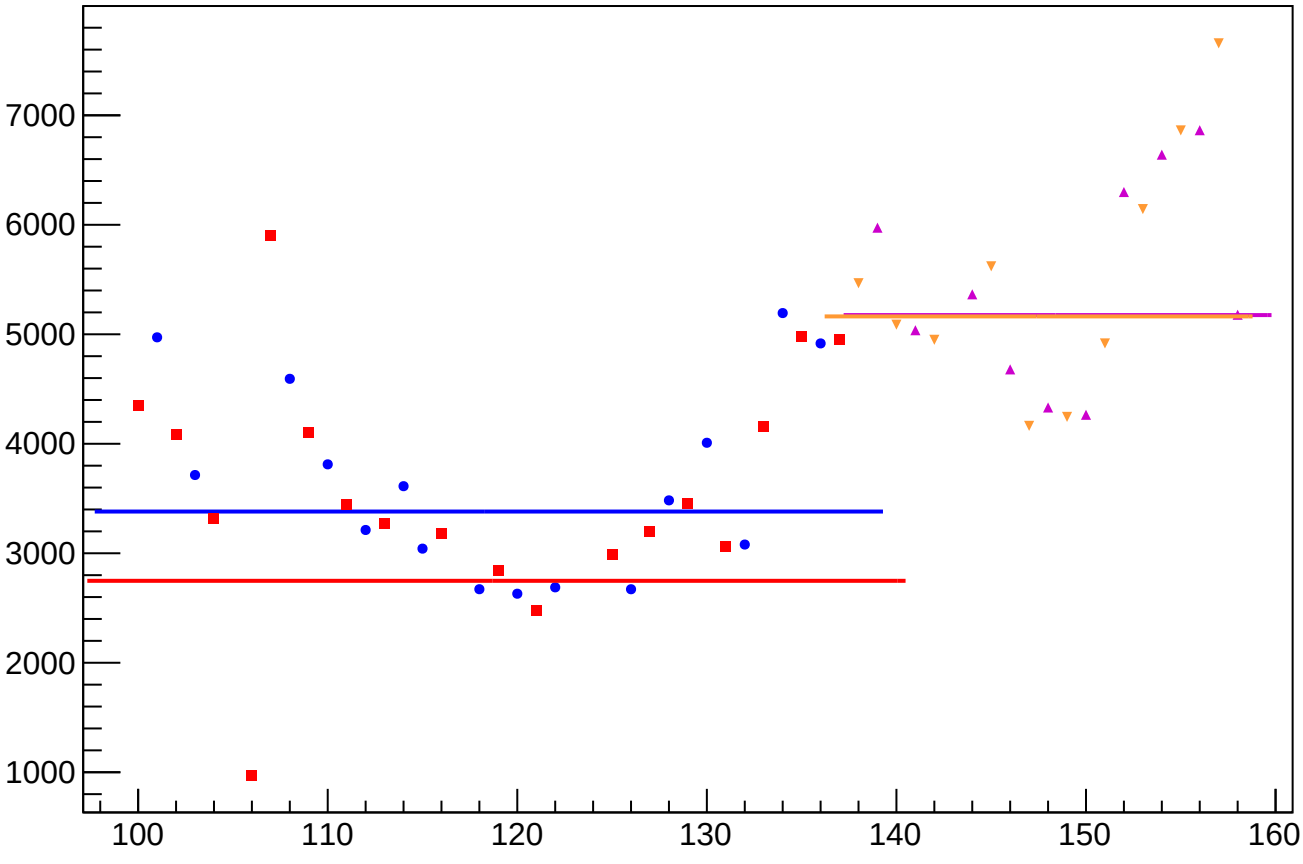
Right Out: -1171.548+/-1119.890 χ^2/NDF: 19.7/17

Left In: -1335.027+/-1779.588 χ^2/NDF:4.2/9

\+ sign -240.000+/-1067.413 χ^2/NDF: 30.4/25

All: -786.788+/-708.740 χ^2/NDF: 54.7/53

\- sign -1217.923+/-947.829 χ^2/NDF: 23.8/27



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 5163.274+/-1.331 χ^2/NDF:508286.8/9

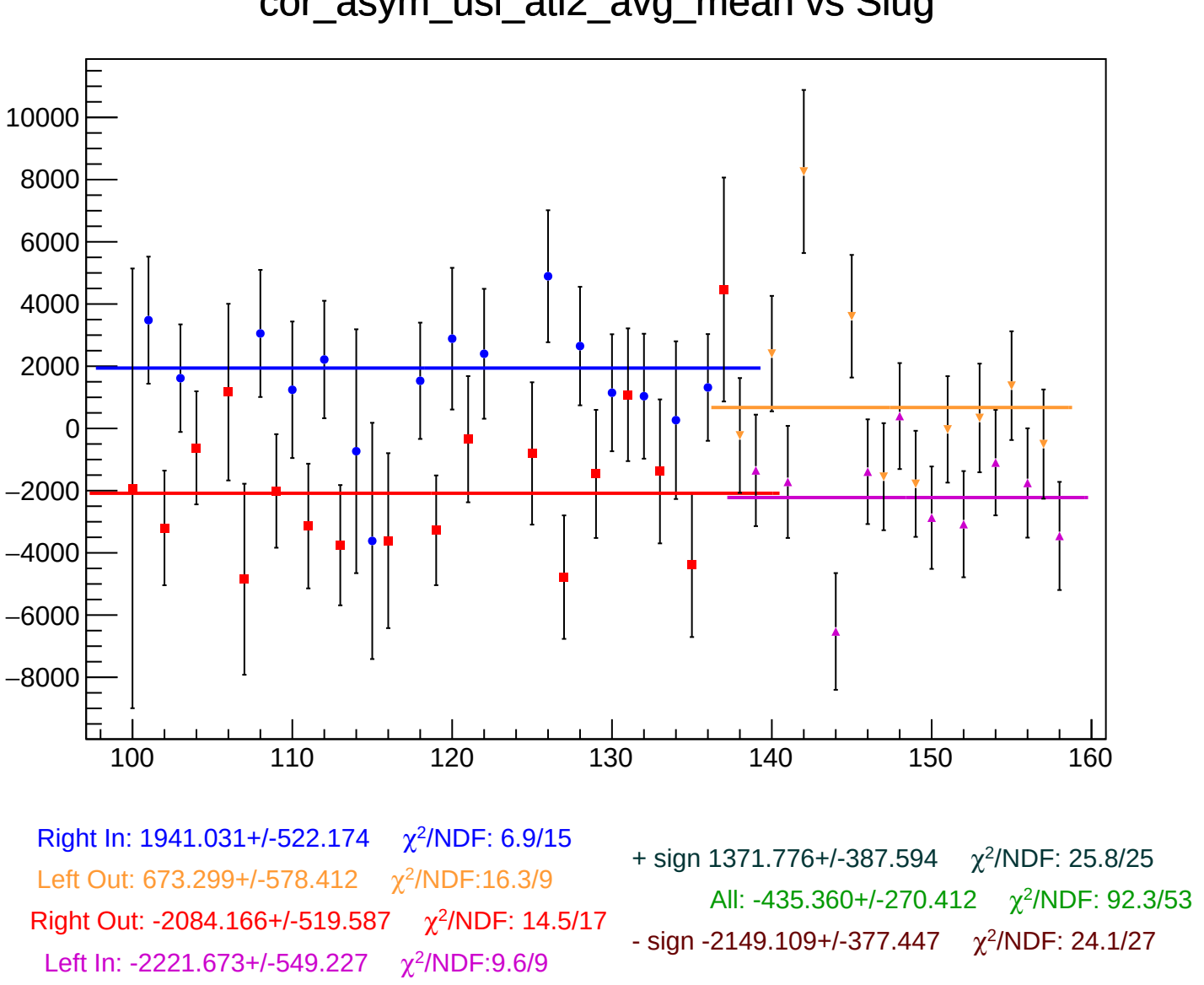
Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

Left In: 5175.359+/-1.258 χ^2/NDF:438073.6/9

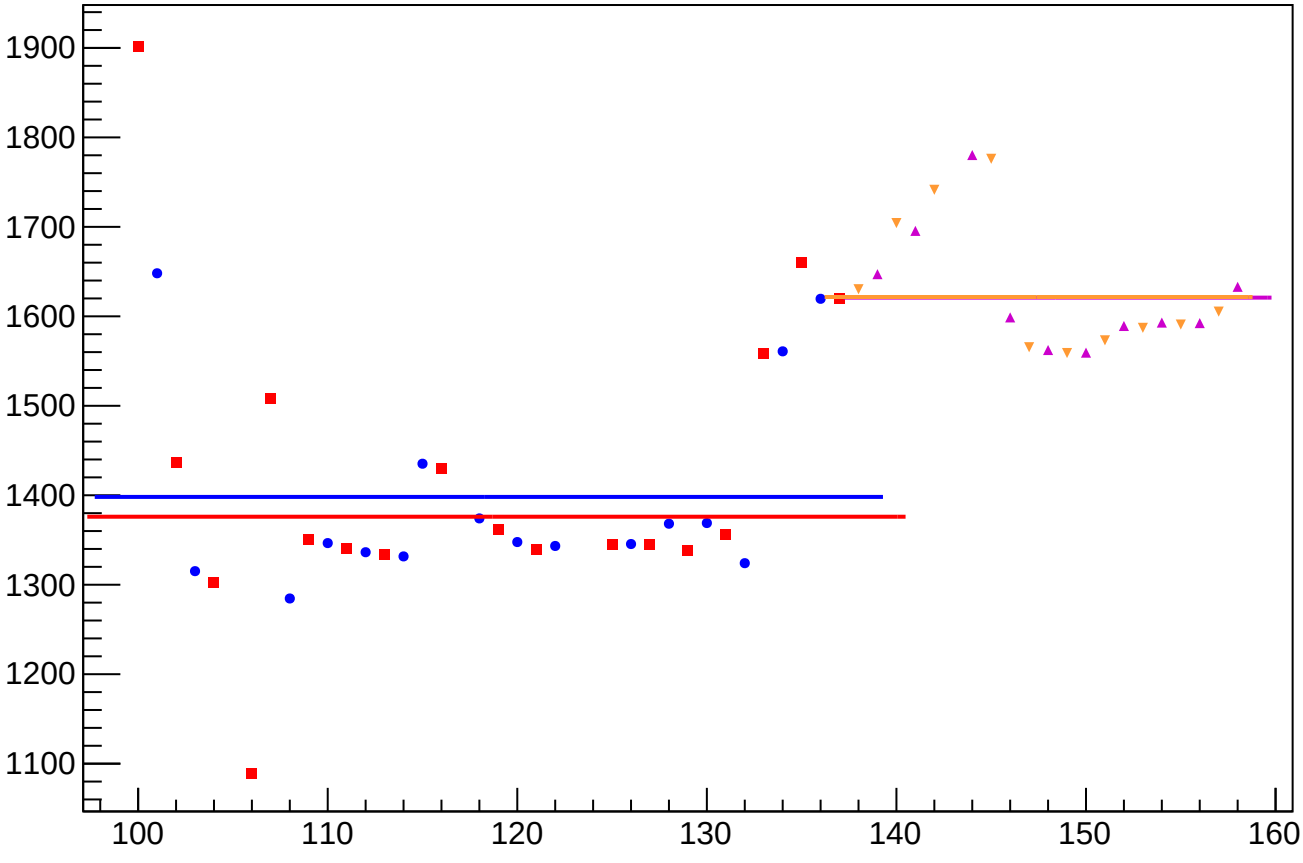
+ sign 3954.188+/-0.755 χ^2/NDF: 2481705.0/25

All: 3664.927+/-0.501 χ^2/NDF: 8111649.0/53

- sign 3436.848+/-0.670 χ^2/NDF: 5367261.8/27


cor_asym_usl_atl2_avg_mean vs Slug
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
Right In: 1941.031+/-522.174 χ²/NDF: 6.9/15
Left Out: 673.299+/-578.412 χ²/NDF:16.3/9
Right Out: -2084.166+/-519.587 χ²/NDF: 14.5/17
Left In: -2221.673+/-549.227 χ²/NDF:9.6/9
+ sign 1371.776+/-387.594 χ²/NDF: 25.8/25
All: -435.360+/-270.412 χ²/NDF: 92.3/53
- sign -2149.109+/-377.447 χ²/NDF: 24.1/27

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1621.611+/-0.409 χ^2/NDF:28463.5/9

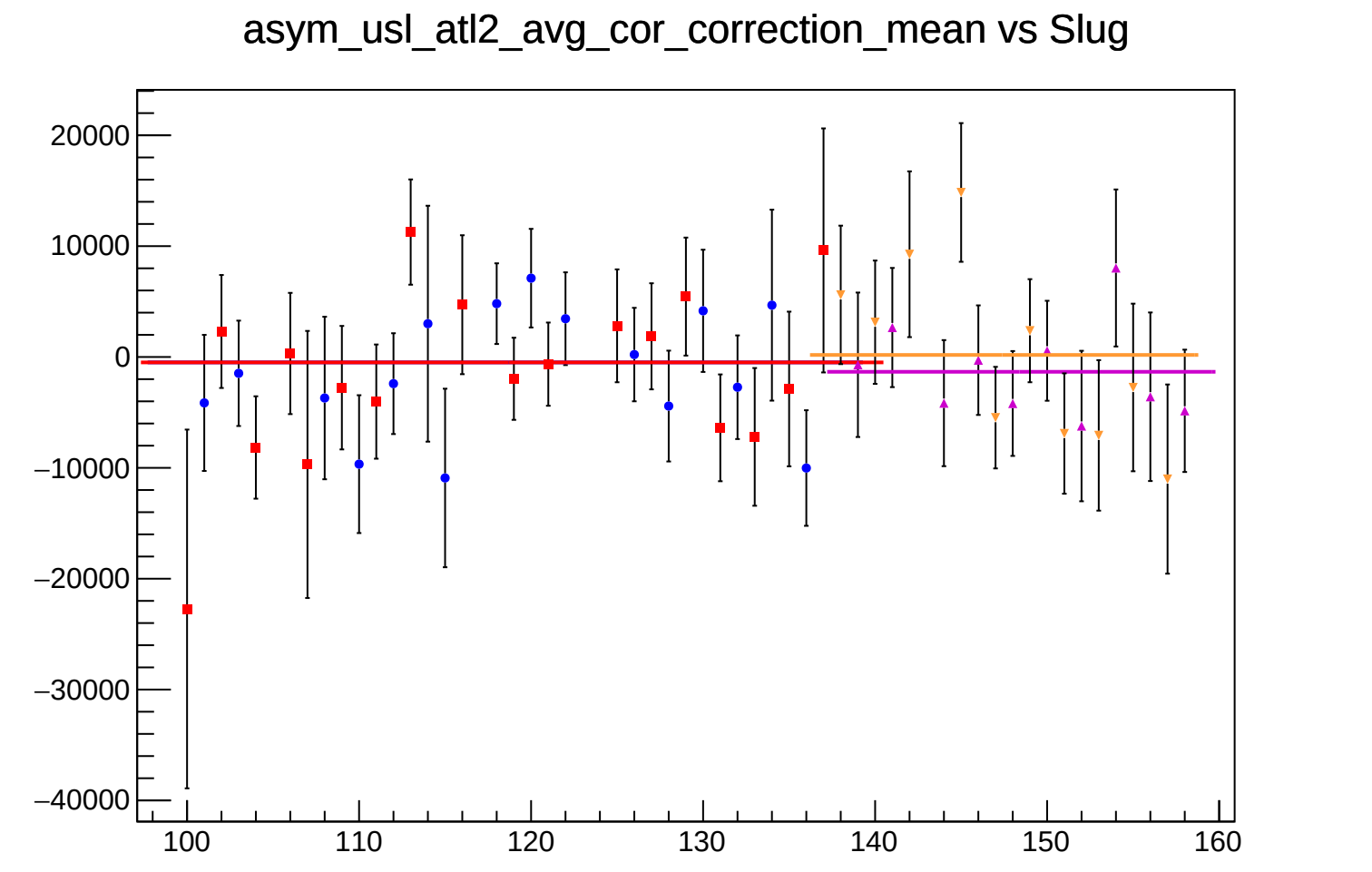
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1620.905+/-0.388 χ^2/NDF:25636.2/9

+ sign 1498.498+/-0.274 χ^2/NDF: 286839.9/25

All: 1494.129+/-0.191 χ^2/NDF: 639468.5/53

- sign 1490.045+/-0.265 χ^2/NDF: 352137.1/27



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: 184.344+/-1882.355 χ^2/NDF:14.5/9

Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

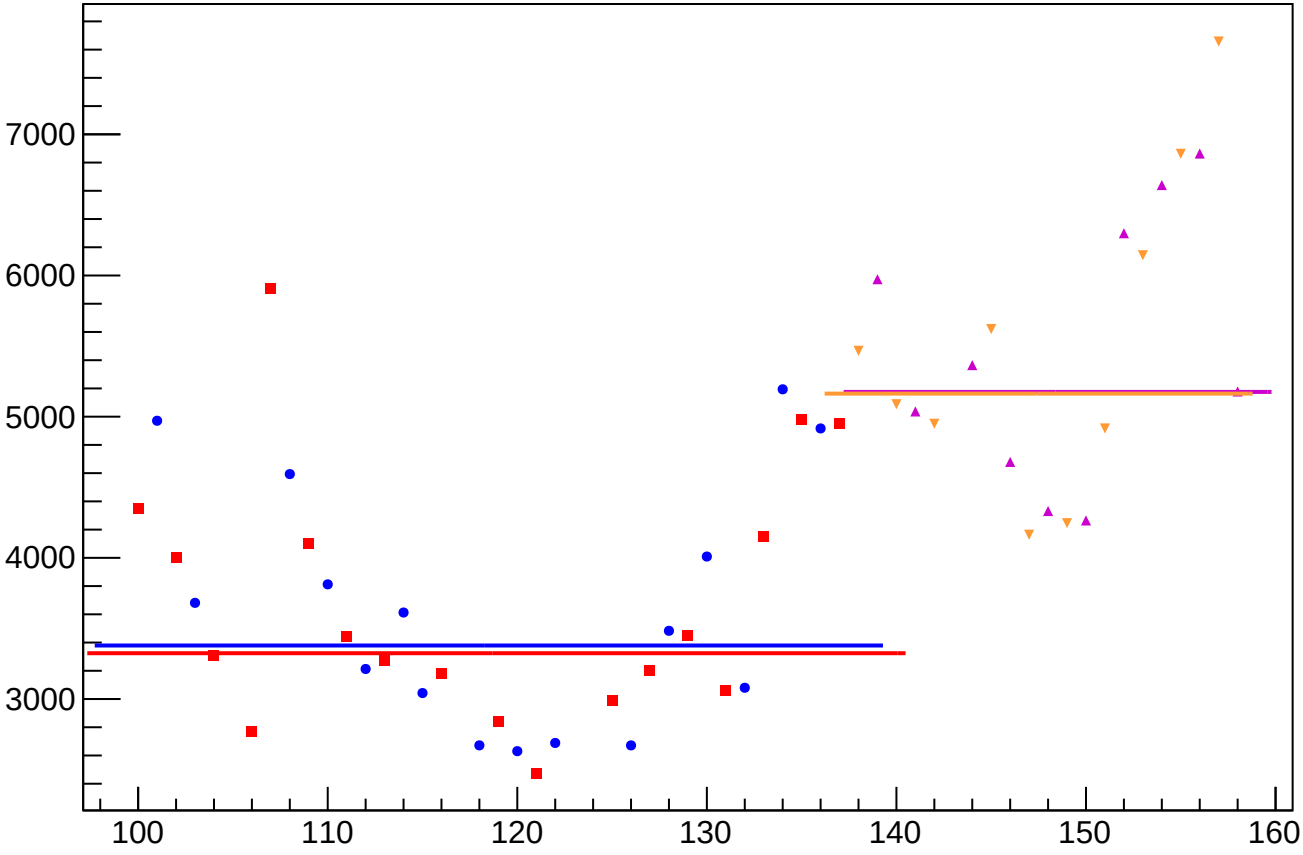
Left In: -1335.171+/-1779.586 χ^2/NDF:4.2/9

\+ sign -271.049+/-1066.862 χ^2/NDF: 30.5/25

All: -530.388+/-740.656 χ^2/NDF: 53.6/53

\- sign -771.670+/-1029.053 χ^2/NDF: 23.0/27

asym_usl_atl2_avg_cor_correction_rms vs Slug



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5163.276+/-1.331 χ^2/NDF:508285.3/9

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

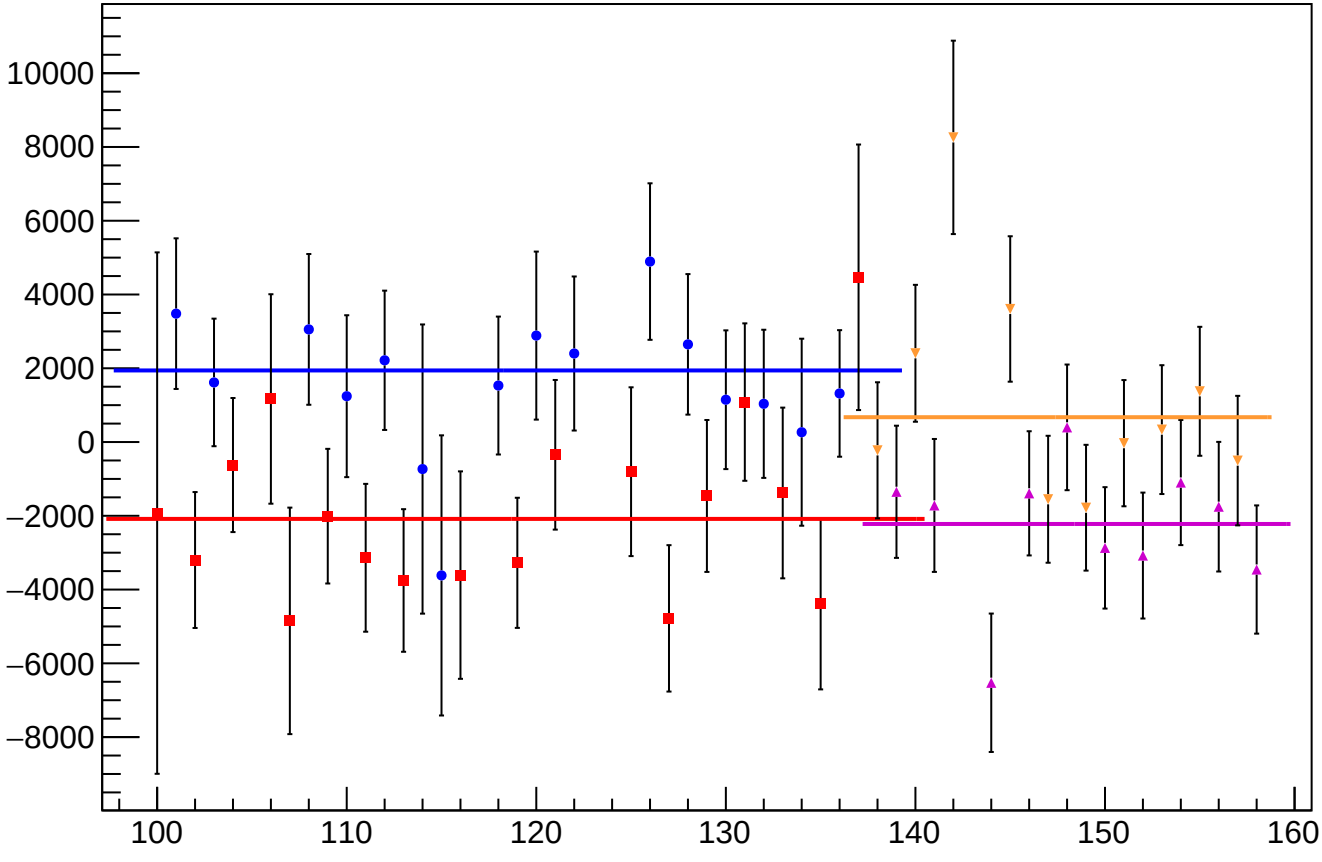
Left In: 5175.354+/-1.258 χ^2/NDF:438077.7/9

+ sign 3952.235+/-0.754 χ^2/NDF: 2483236.1/25

All: 3947.632+/-0.524 χ^2/NDF: 4905282.7/53

- sign 3943.350+/-0.728 χ^2/NDF: 2421974.8/27

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 673.299+/-578.412 χ^2/NDF:16.3/9

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

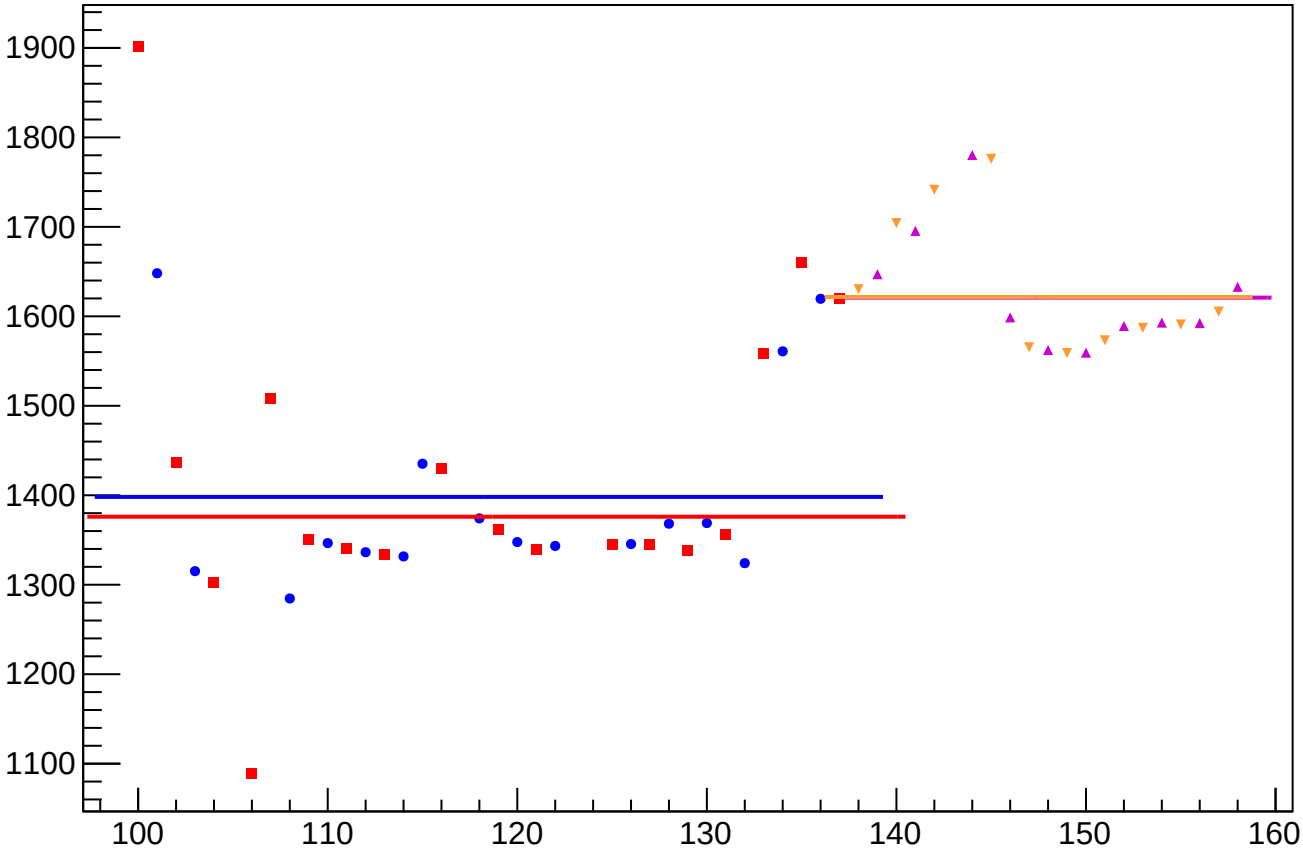
Left In: -2221.673+/-549.227 χ^2/NDF:9.6/9

+ sign 1371.776+/-387.594 χ^2/NDF: 25.8/25

All: -435.360+/-270.412 χ^2/NDF: 92.3/53

- sign -2149.109+/-377.447 χ^2/NDF: 24.1/27

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1621.611+/-0.409 χ^2/NDF:28463.5/9

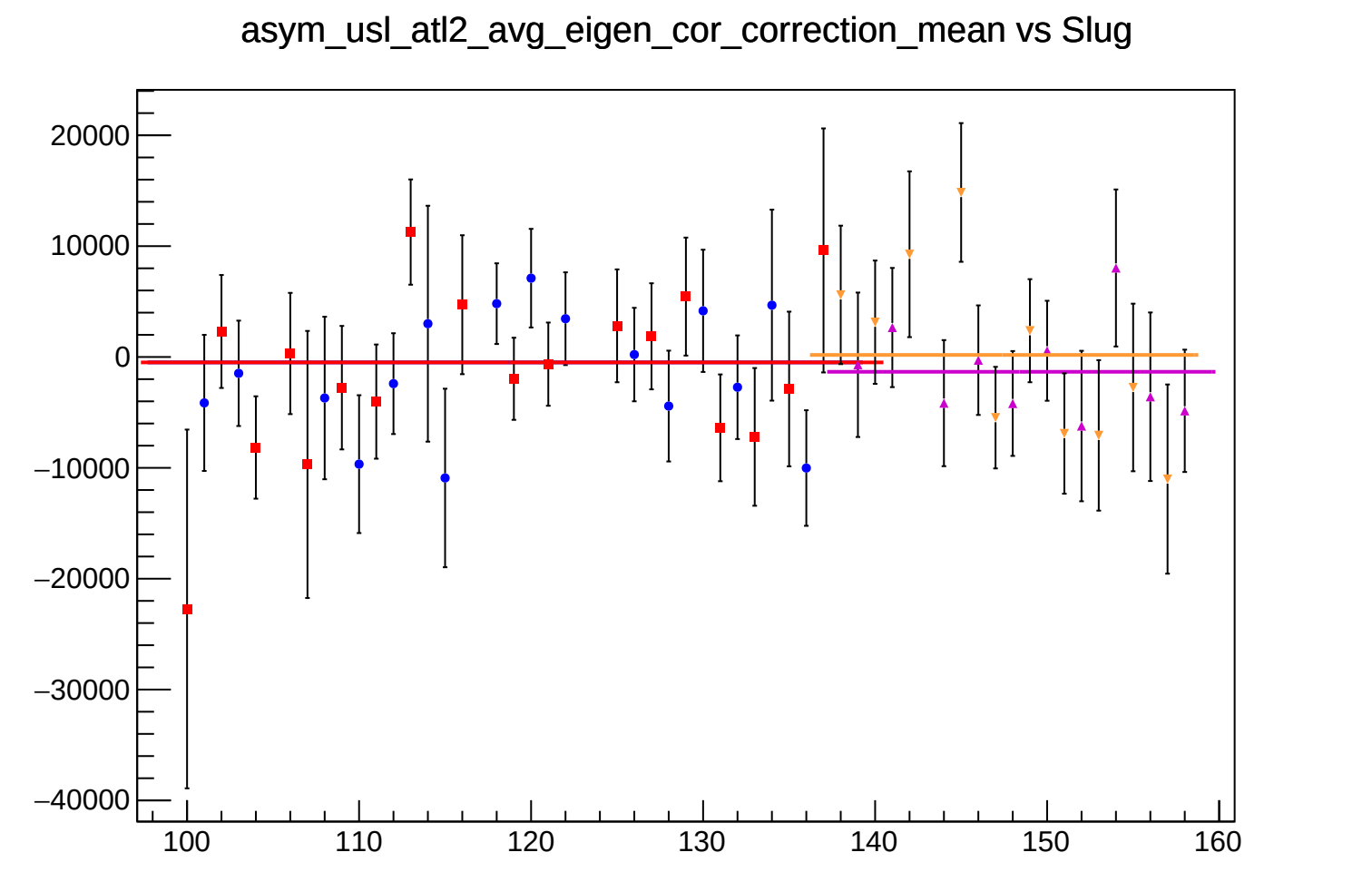
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1620.905+/-0.388 χ^2/NDF:25636.2/9

+ sign 1498.498+/-0.274 χ^2/NDF: 286839.9/25

All: 1494.129+/-0.191 χ^2/NDF: 639468.5/53

- sign 1490.045+/-0.265 χ^2/NDF: 352137.1/27



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: 184.344+/-1882.355 χ^2/NDF:14.5/9

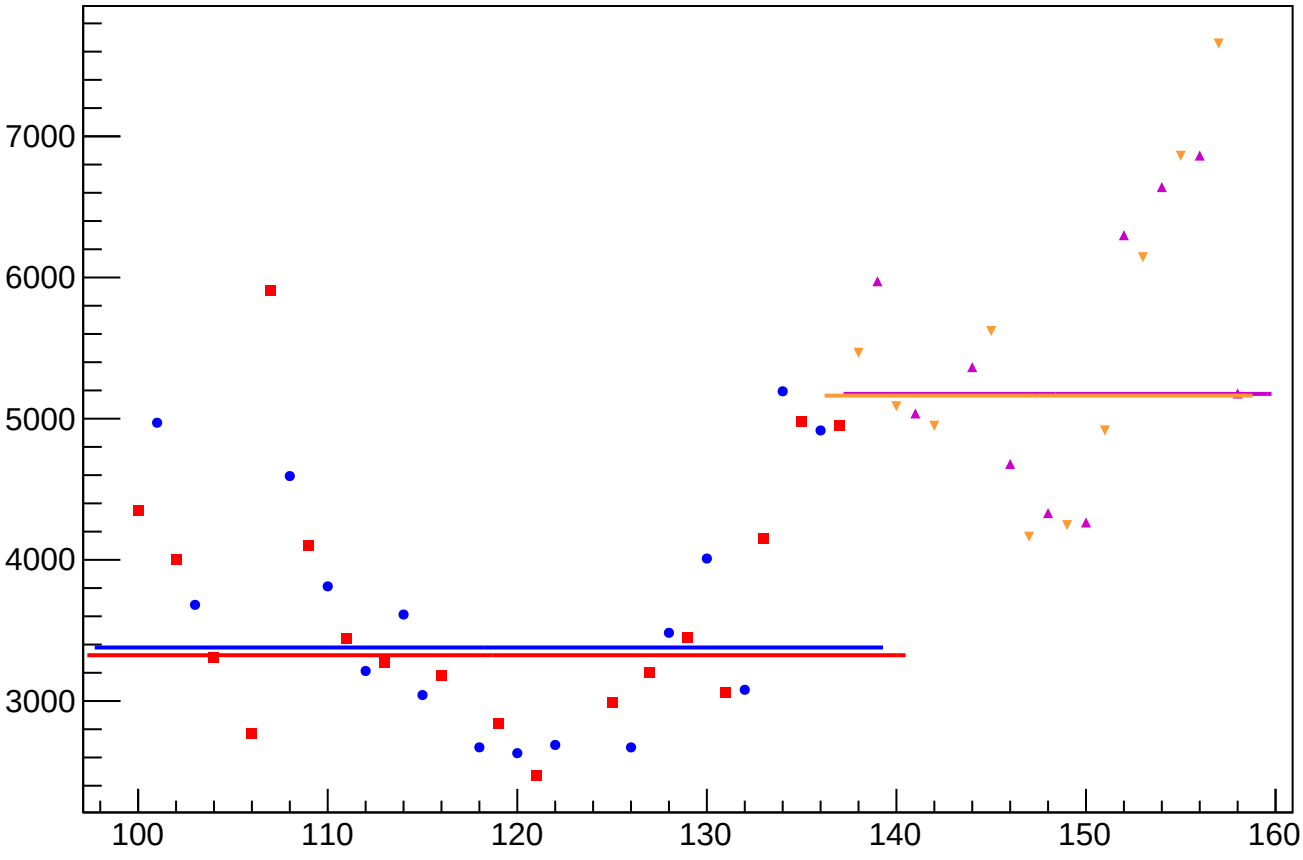
Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: -1335.171+/-1779.586 χ^2/NDF:4.2/9

\+ sign -271.049+/-1066.862 χ^2/NDF: 30.5/25

All: -530.388+/-740.656 χ^2/NDF: 53.6/53

\- sign -771.670+/-1029.053 χ^2/NDF: 23.0/27



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5163.276+/-1.331 χ^2/NDF:508285.3/9

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

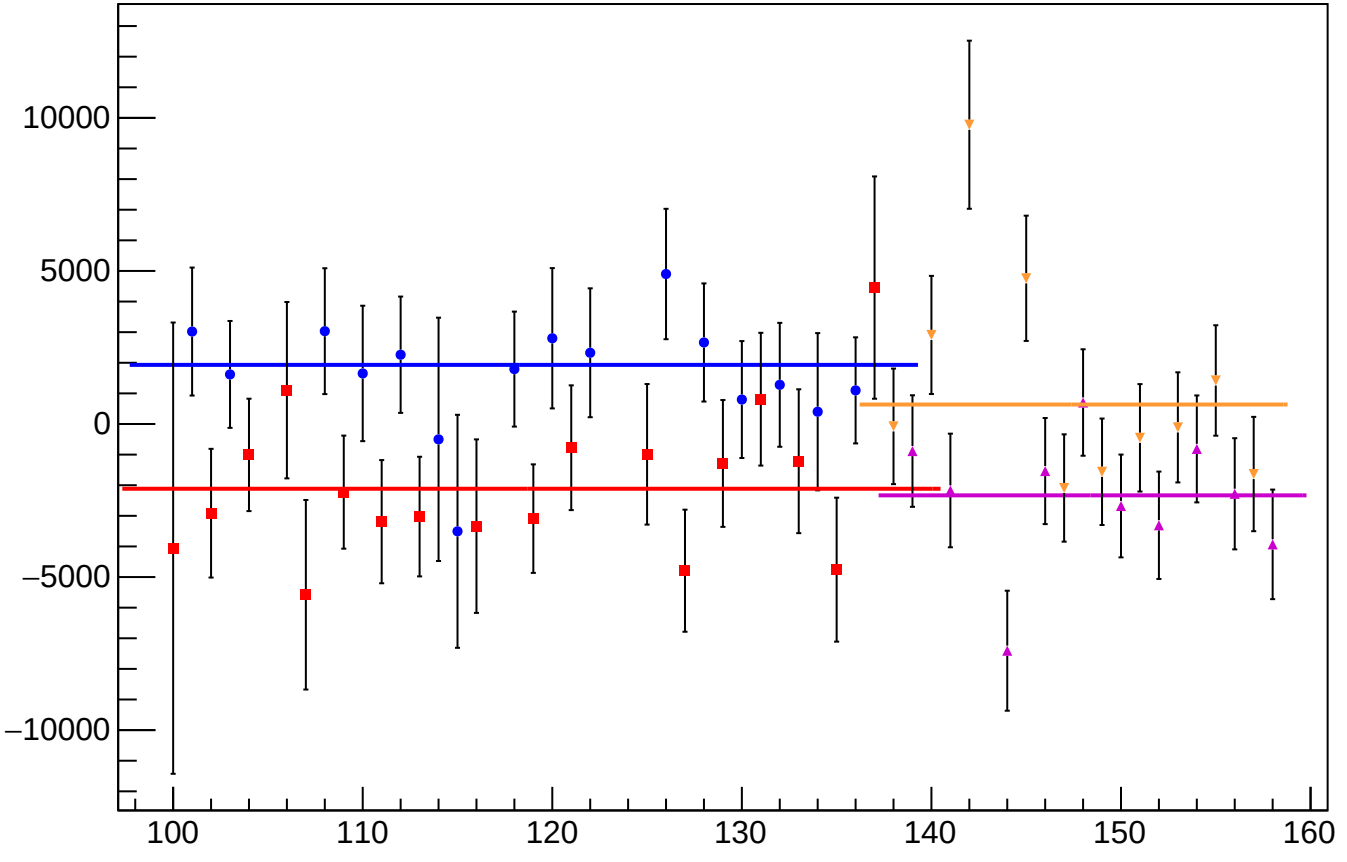
Left In: 5175.354+/-1.258 χ^2/NDF:438077.7/9

+ sign 3952.235+/-0.754 χ^2/NDF: 2483236.1/25

All: 3947.632+/-0.524 χ^2/NDF: 4905282.7/53

- sign 3943.350+/-0.728 χ^2/NDF: 2421974.8/27

dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 636.143+/-597.143 χ^2/NDF:22.9/9

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

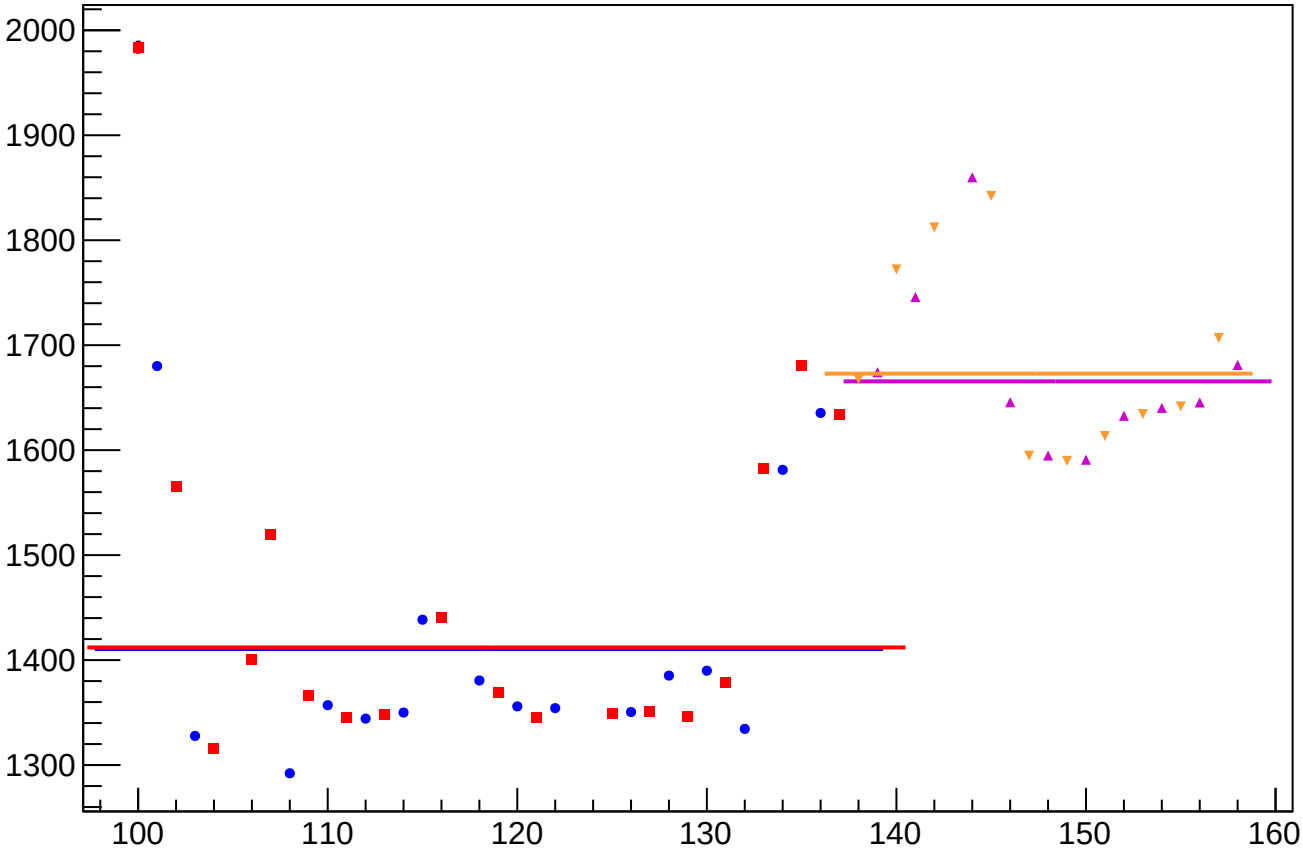
Left In: -2330.796+/-564.493 χ^2/NDF:12.5/9

+ sign 1364.190+/-395.186 χ^2/NDF: 31.9/25

All: -468.346+/-276.105 χ^2/NDF: 99.7/53

- sign -2215.964+/-385.921 χ^2/NDF: 25.8/27

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1672.889+/-0.422 χ^2/NDF:37182.3/9

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

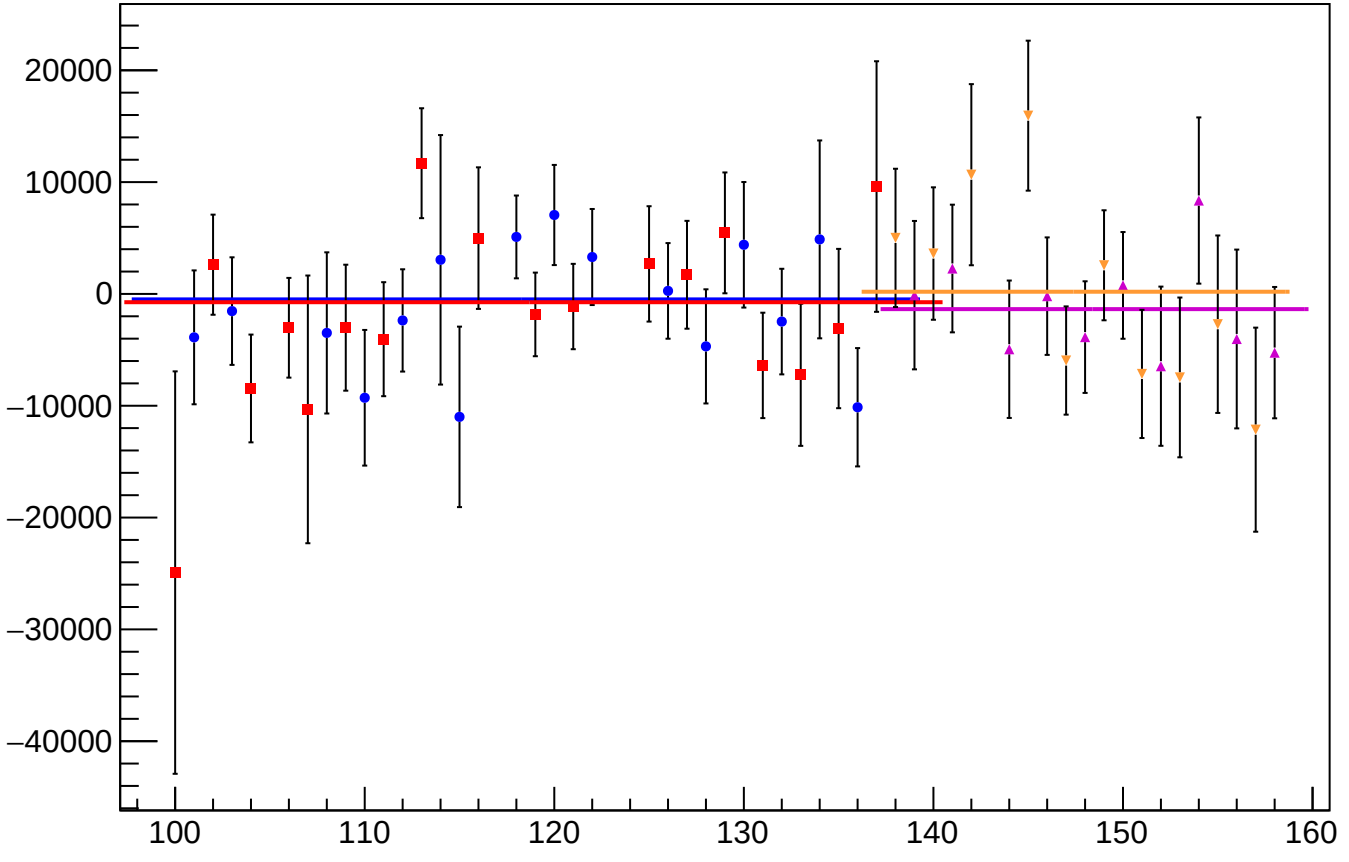
Left In: 1665.527+/-0.399 χ^2/NDF:32486.7/9

+ sign 1525.473+/-0.279 χ^2/NDF: 353206.4/25

All: 1527.888+/-0.195 χ^2/NDF: 690866.3/53

- sign 1530.184+/-0.272 χ^2/NDF: 337514.2/27

asym_usl_atl2_avg_dit_correction_mean vs Slug



Right In: -489.402+/-1308.692 χ^2/NDF: 15.8/15

Left Out: 196.329+/-1983.945 χ^2/NDF:14.7/9

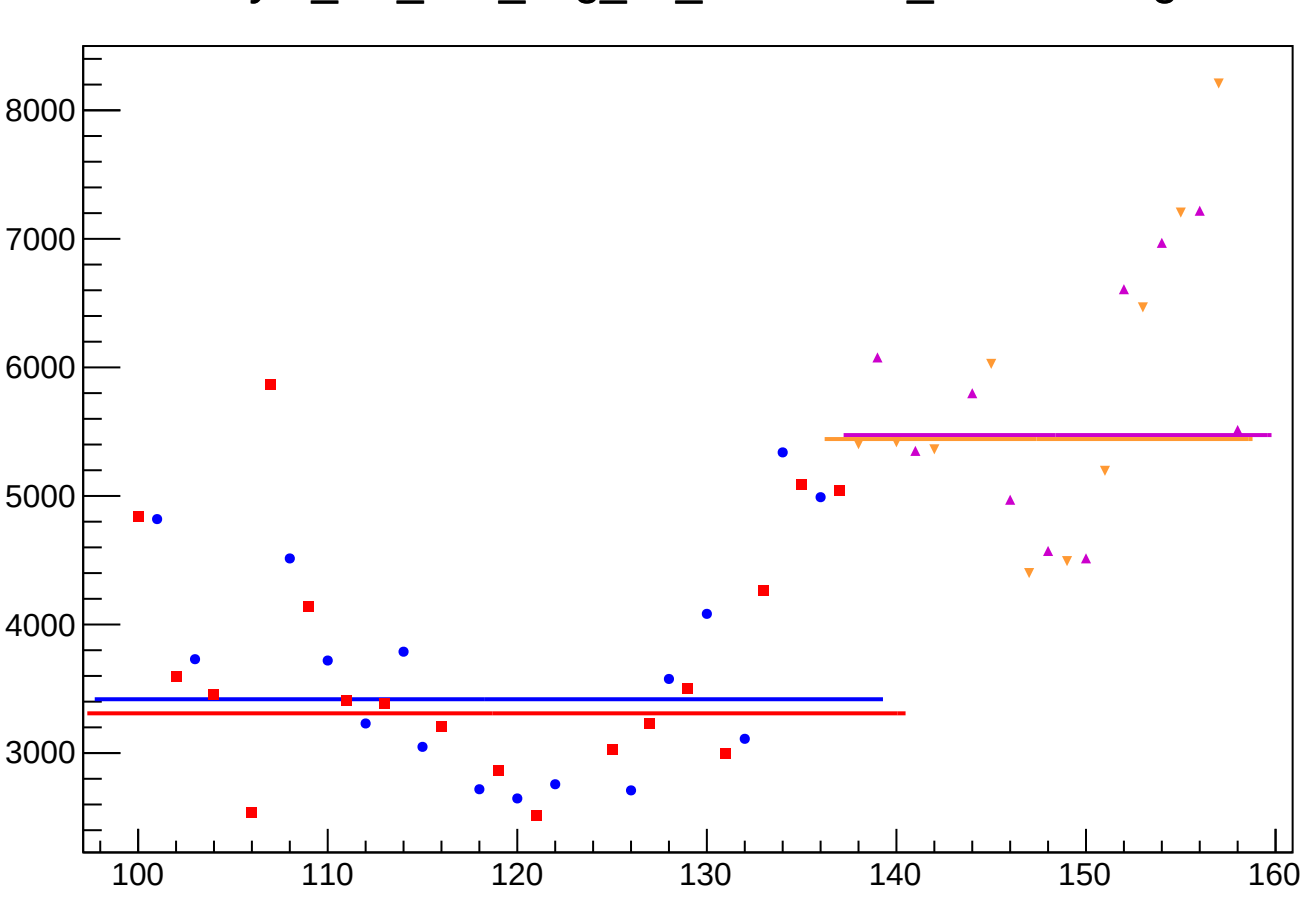
Right Out: -740.592+/-1247.947 χ^2/NDF: 19.2/17

Left In: -1358.966+/-1881.042 χ^2/NDF:4.1/9

+ sign -281.490+/-1092.427 χ^2/NDF: 30.6/25

All: -621.490+/-753.207 χ^2/NDF: 54.1/53

- sign -929.583+/-1039.904 χ^2/NDF: 23.3/27



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5442.736+/-1.403 χ^2/NDF:509920.6/9

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

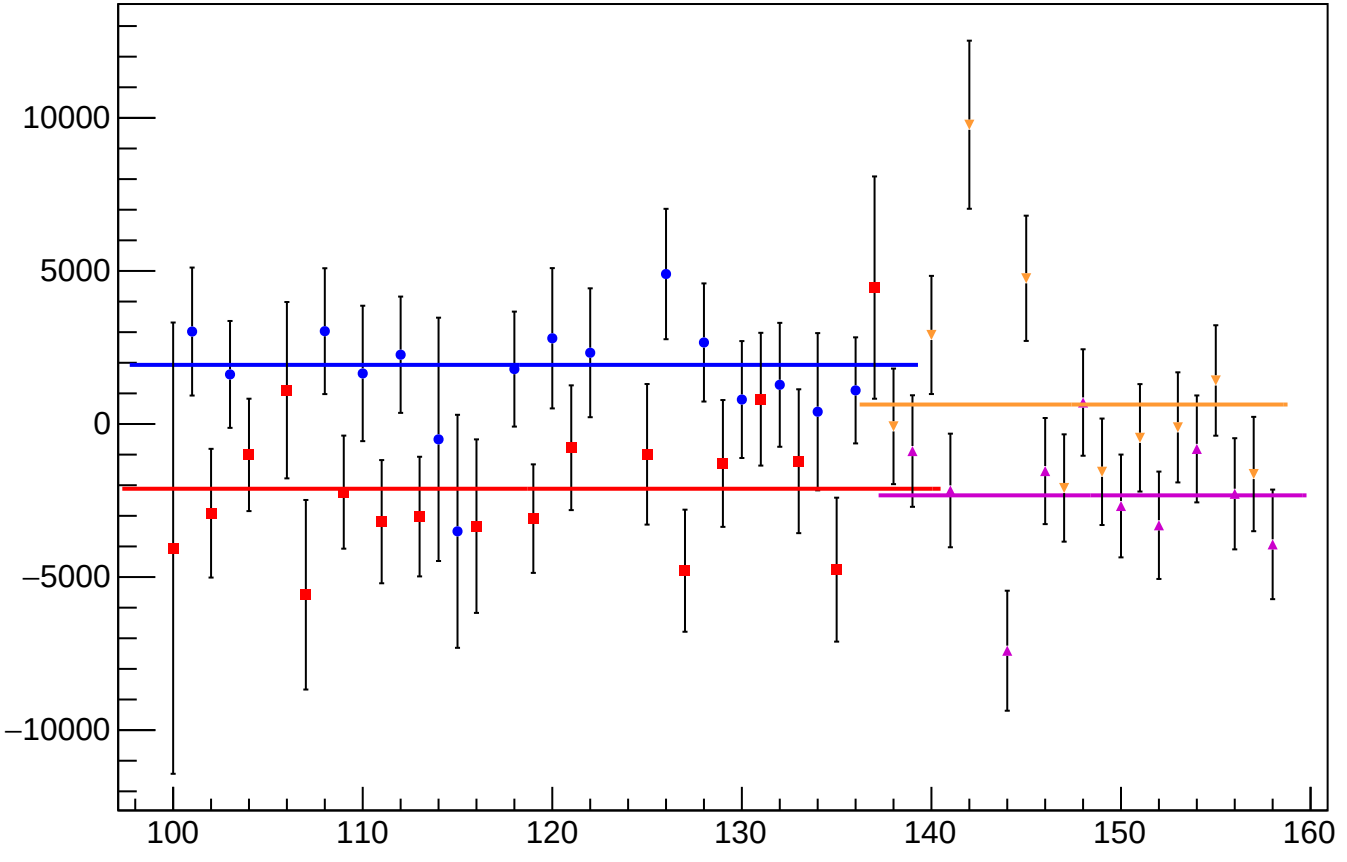
Left In: 5473.600+/-1.330 χ^2/NDF:414564.4/9

+ sign 4032.382+/-0.772 χ^2/NDF: 2681631.5/25

All: 3999.988+/-0.533 χ^2/NDF: 5510299.9/53

- sign 3970.635+/-0.735 χ^2/NDF: 2825316.2/27

eigen_dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 636.142+/-597.143 χ^2/NDF:22.9/9

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

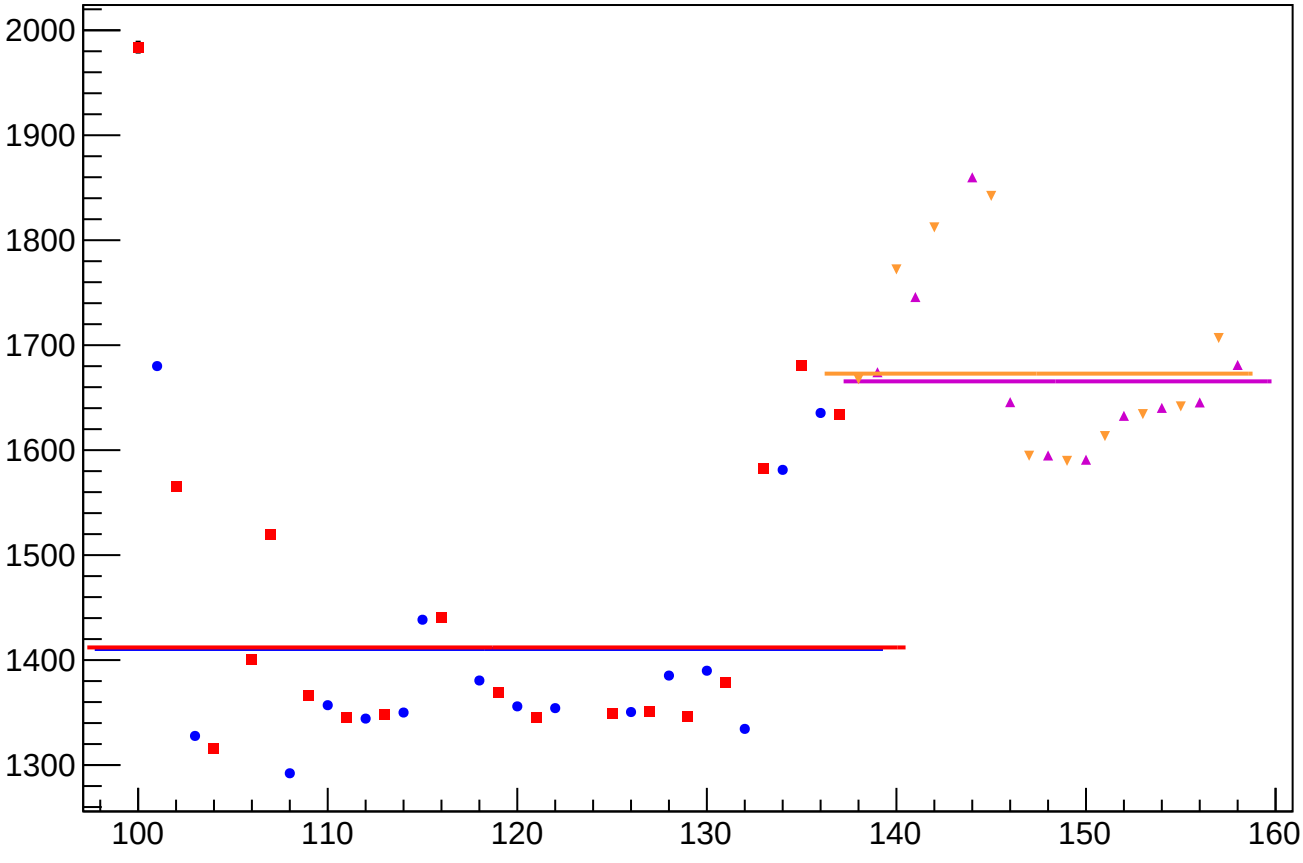
Left In: -2330.799+/-564.494 χ^2/NDF:12.5/9

+ sign 1364.191+/-395.186 χ^2/NDF: 31.9/25

All: -468.346+/-276.105 χ^2/NDF: 99.7/53

- sign -2215.966+/-385.921 χ^2/NDF: 25.8/27

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1672.890+/-0.422 χ^2/NDF:37183.1/9

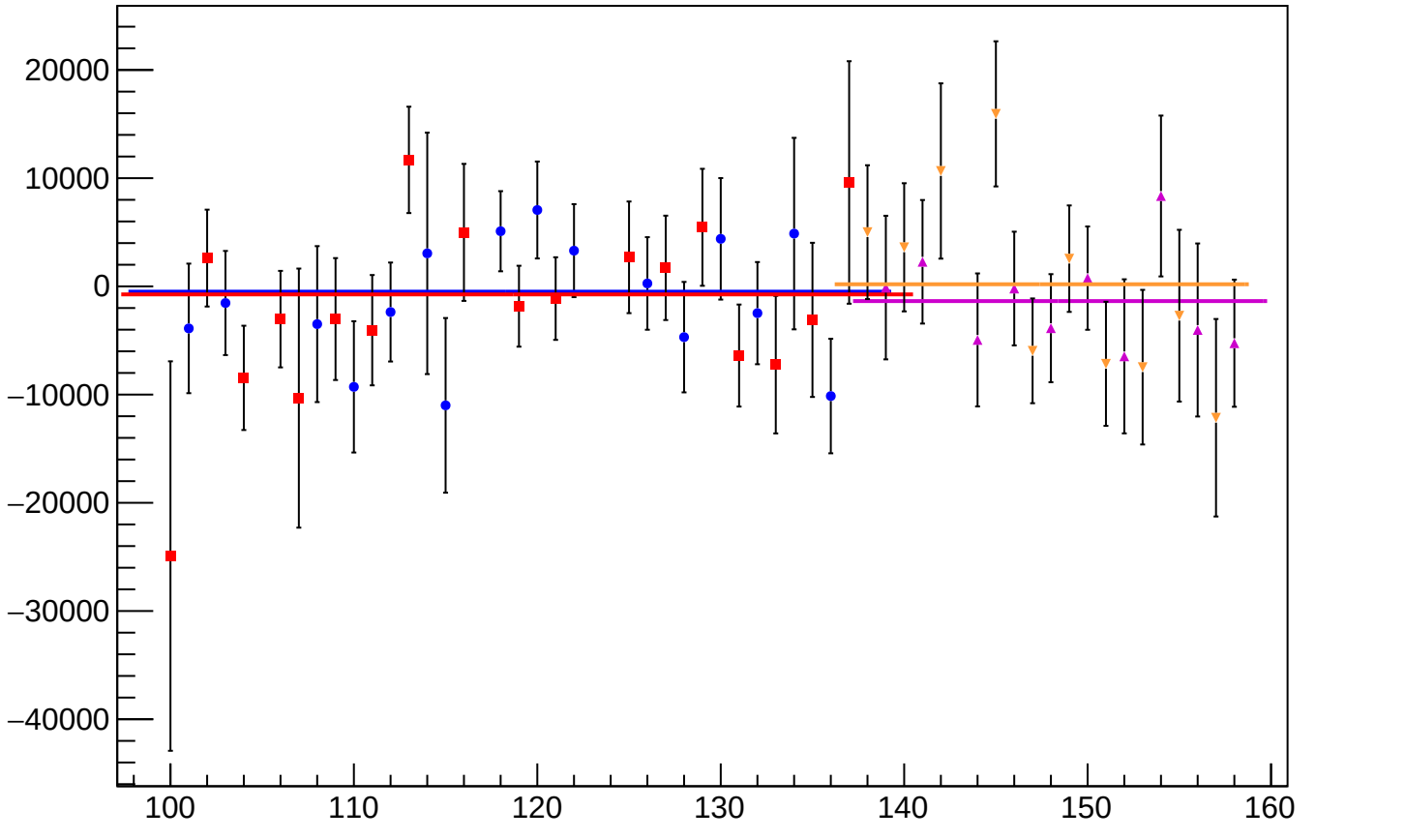
Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1665.529+/-0.399 χ^2/NDF:32487.1/9

+ sign 1525.473+/-0.279 χ^2/NDF: 353209.1/25

All: 1527.888+/-0.195 χ^2/NDF: 690872.0/53

- sign 1530.185+/-0.272 χ^2/NDF: 337517.1/27



Right In: -489.395+/-1308.688 χ^2/NDF: 15.8/15

Left Out: 196.322+/-1983.948 χ^2/NDF:14.7/9

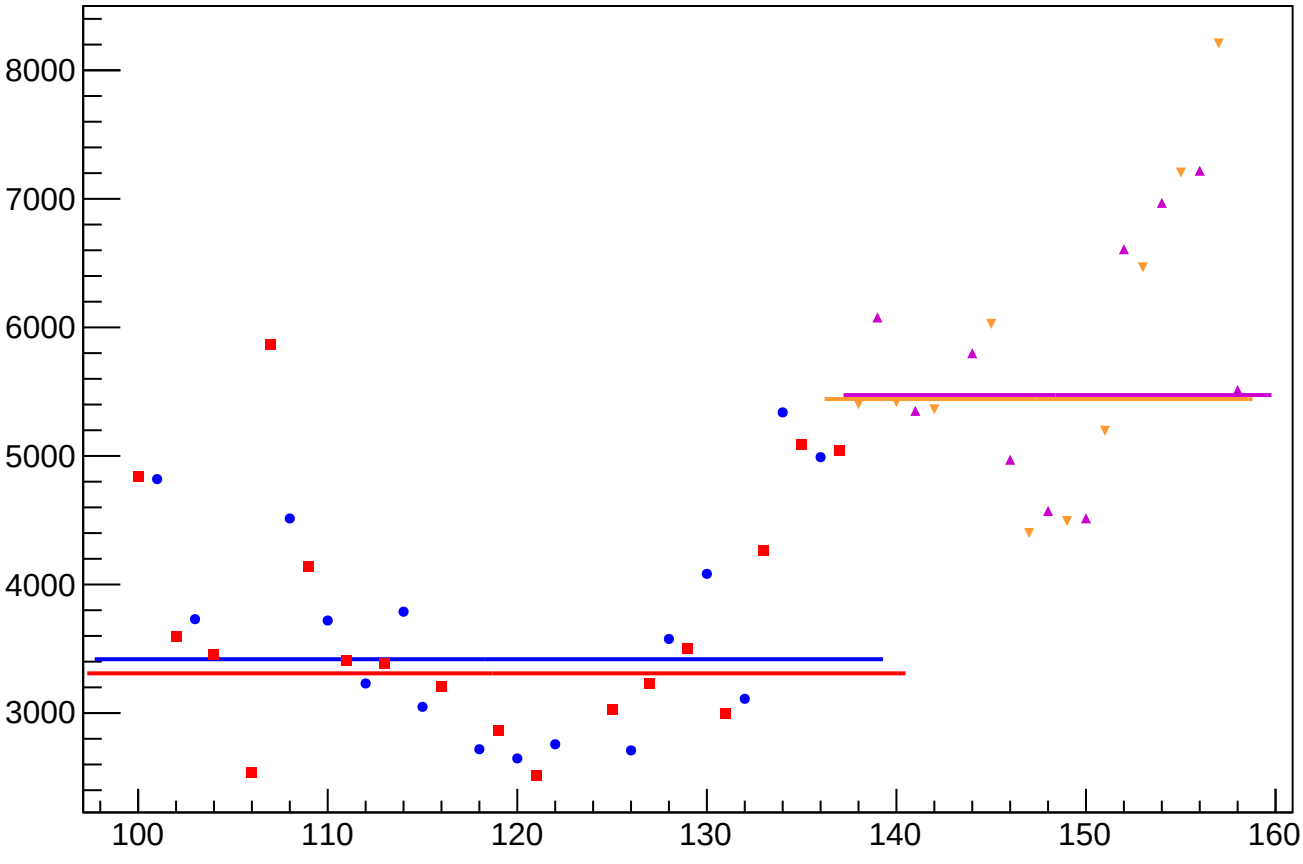
Right Out: -740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: -1358.969+/-1881.045 χ^2/NDF:4.1/9

+ sign -281.489+/-1092.425 χ^2/NDF: 30.6/25

All: -621.491+/-753.206 χ^2/NDF: 54.1/53

- sign -929.584+/-1039.902 χ^2/NDF: 23.3/27



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5442.742+/-1.403 χ^2/NDF:509923.3/9

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

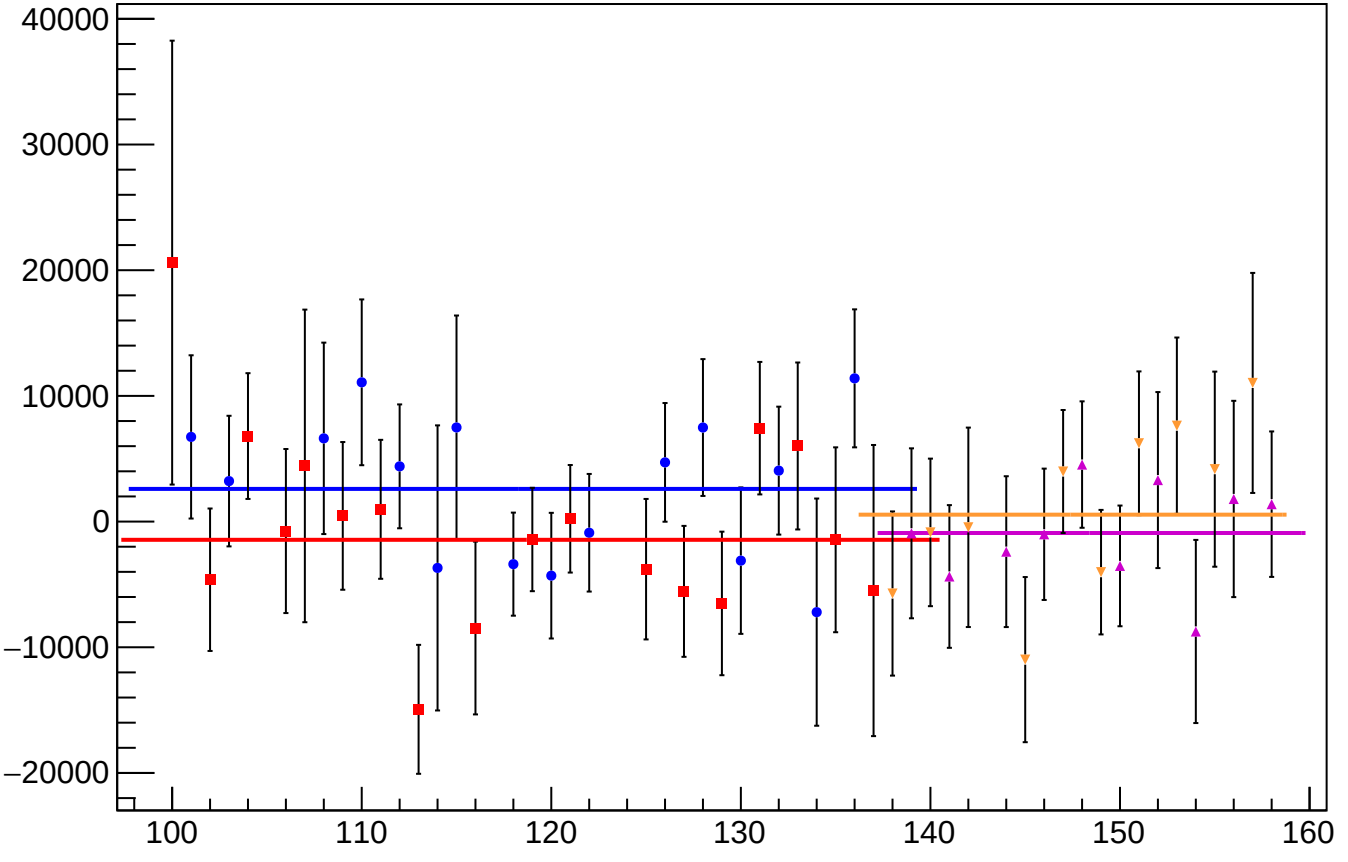
Left In: 5473.607+/-1.330 χ^2/NDF:414566.9/9

+ sign 4032.373+/-0.772 χ^2/NDF: 2681668.3/25

All: 3999.979+/-0.533 χ^2/NDF: 5510371.2/53

- sign 3970.626+/-0.735 χ^2/NDF: 2825350.8/27

asym_usl_atl2_avg_mean vs Slug



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: 550.293+/-1982.004 χ^2/NDF:9.1/9

Right Out: -1450.418+/-1382.818 χ^2/NDF: 19.0/17

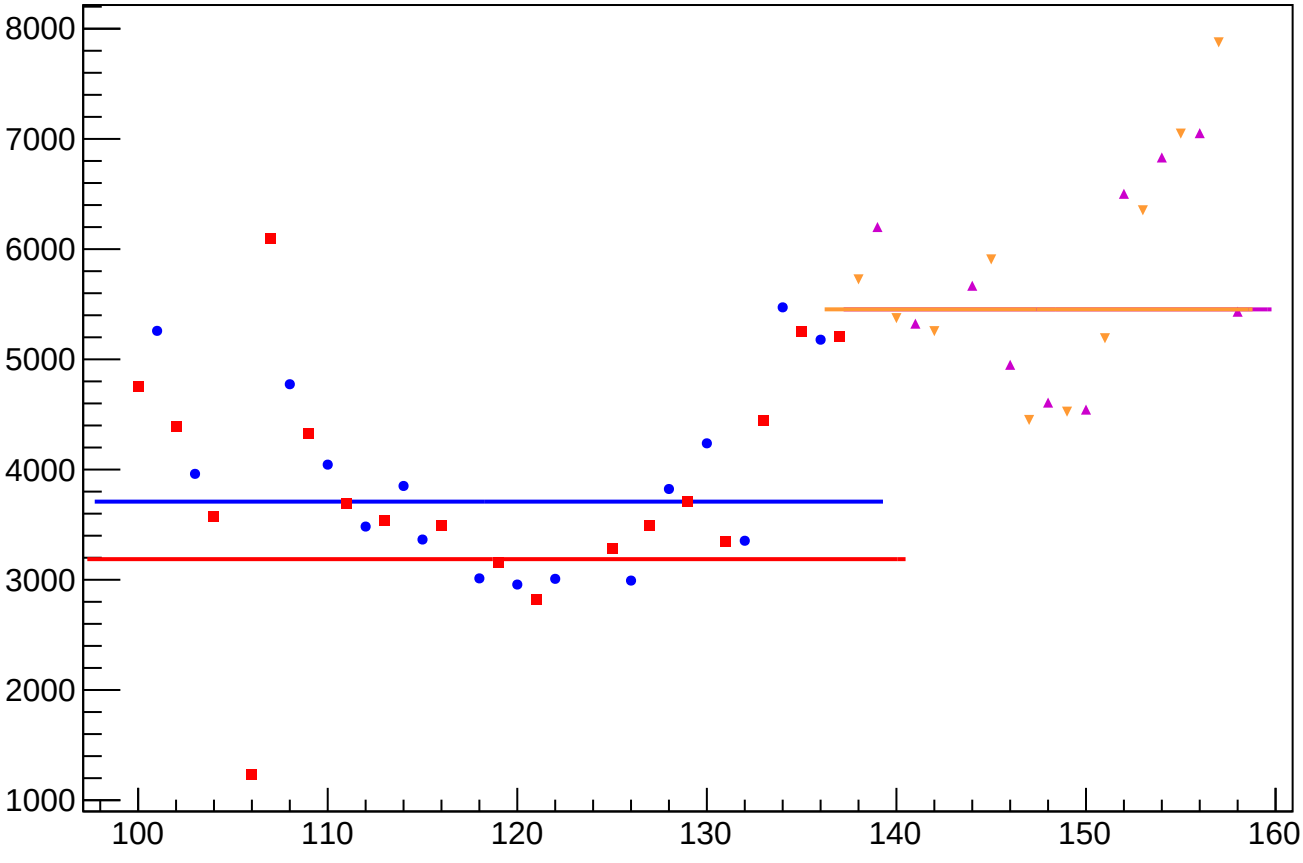
Left In: -908.327+/-1870.874 χ^2/NDF:3.7/9

+ sign 1908.070+/-1151.360 χ^2/NDF: 23.3/25

All: 269.572+/-799.867 χ^2/NDF: 50.0/53

- sign -1258.897+/-1112.030 χ^2/NDF: 22.8/27

asym_usl_atl2_avg_rms vs Slug



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5453.766+/-1.401 χ^2/NDF:443541.7/9

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

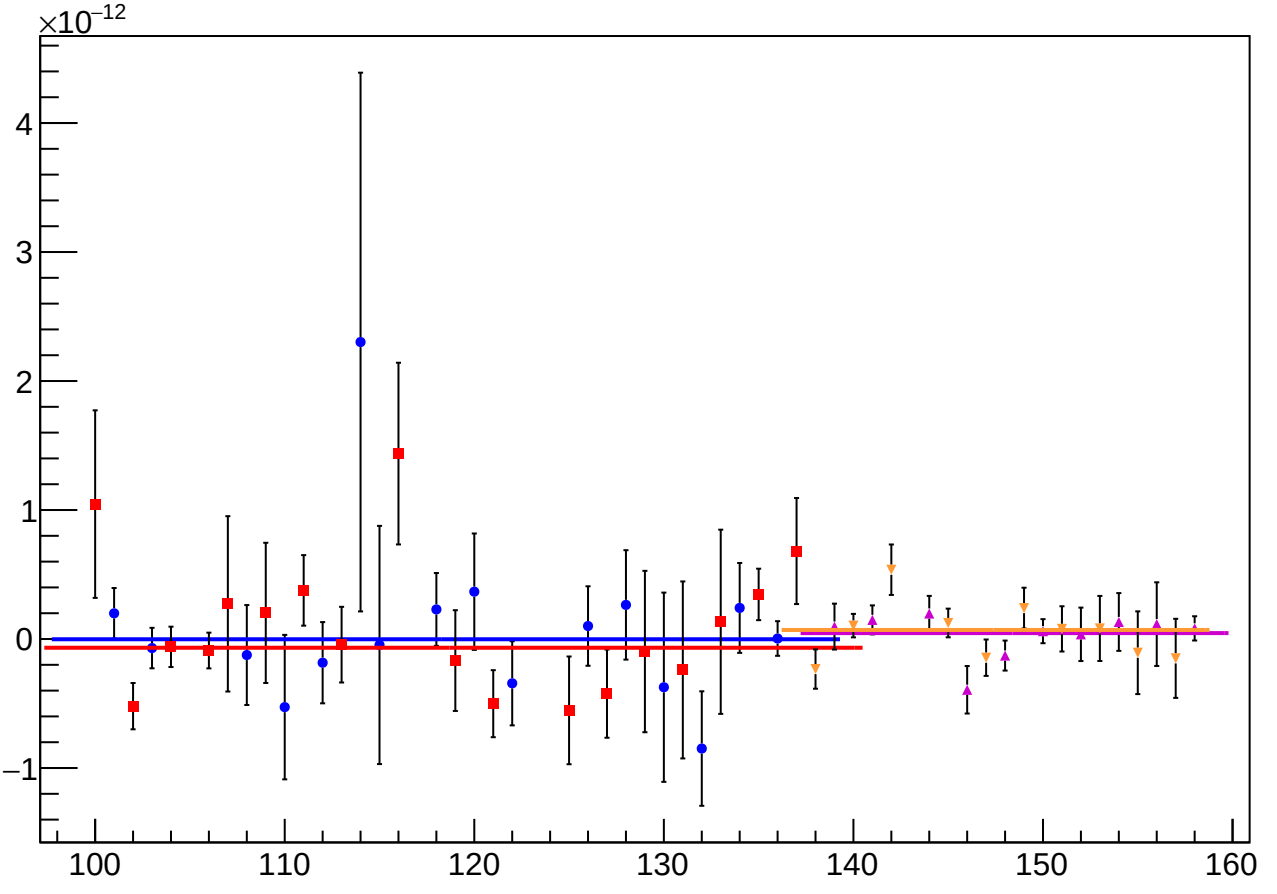
Left In: 5453.344+/-1.323 χ^2/NDF:375141.6/9

+ sign 4297.876+/-0.814 χ^2/NDF: 2080860.1/25

All: 4080.082+/-0.548 χ^2/NDF: 6209994.2/53

- sign 3899.360+/-0.742 χ^2/NDF: 3998185.1/27

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.3/9

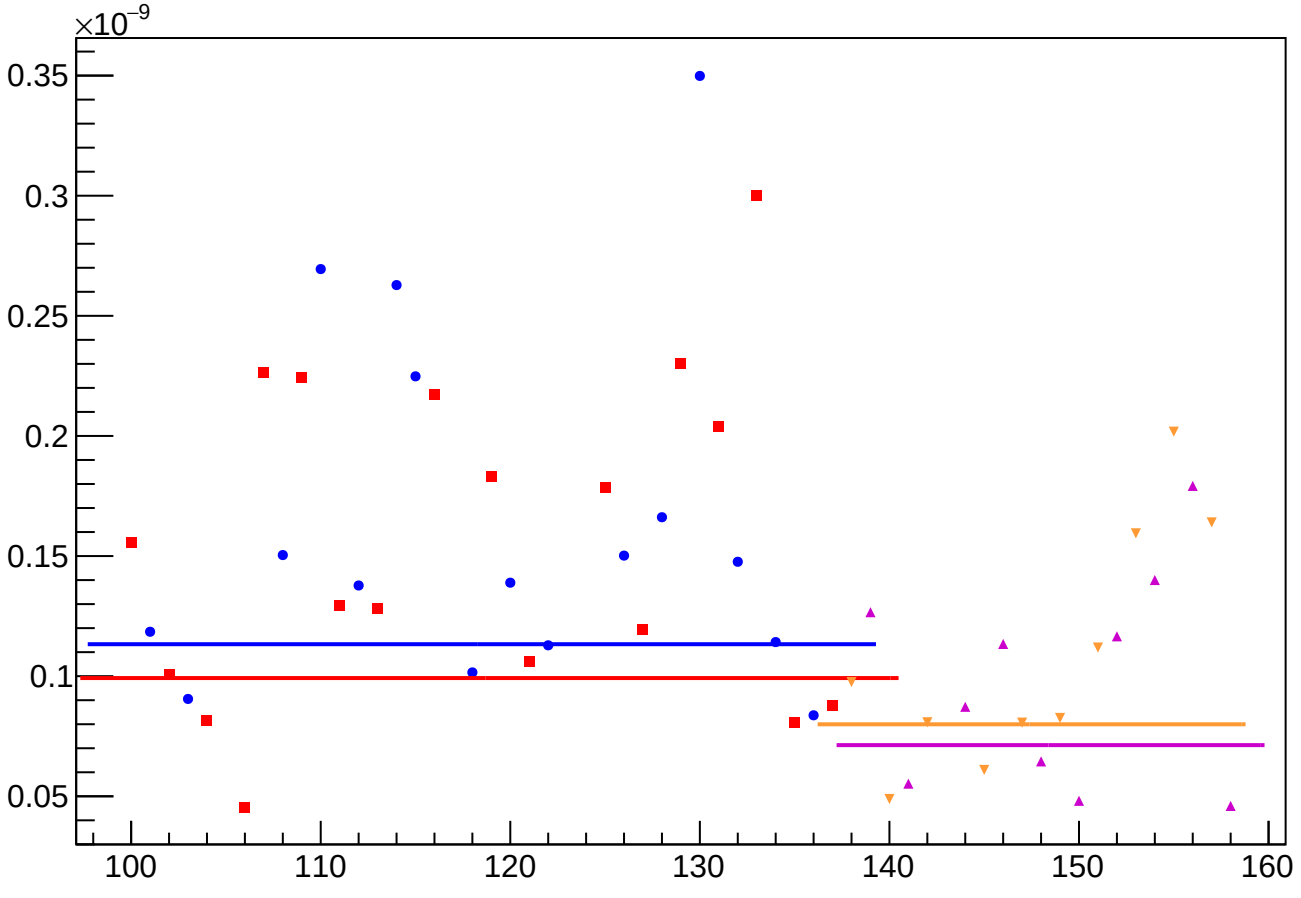
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/17

Left In: 0.000+/-0.000 χ^2/NDF:10.5/9

+ sign 0.000+/-0.000 χ^2/NDF: 26.1/25

All: 0.000+/-0.000 χ^2/NDF: 68.6/53

- sign 0.000+/-0.000 χ^2/NDF: 42.1/27



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1022864.2/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

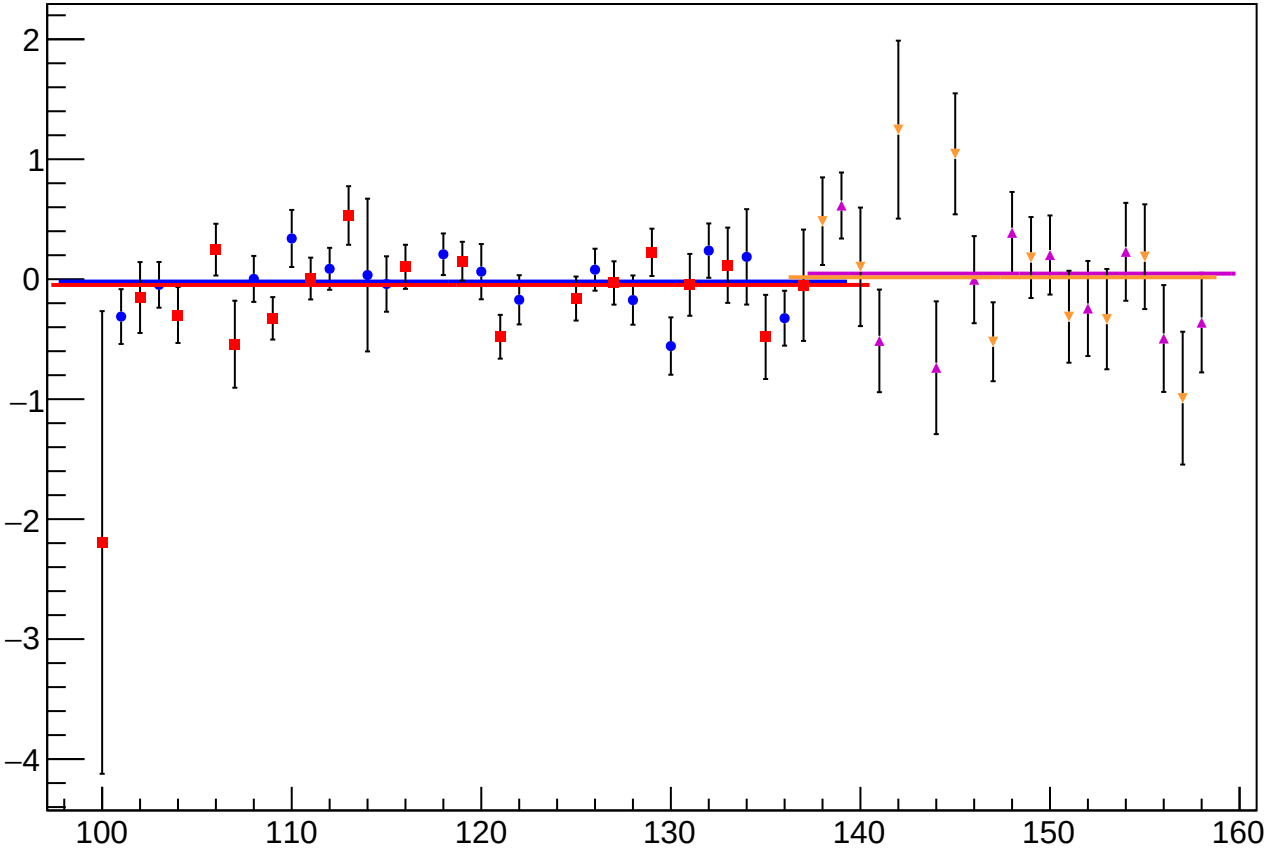
Left In: 0.000+/-0.000 χ^2/NDF:1147245.0/9

+ sign 0.000+/-0.000 χ^2/NDF: 1983723.0/25

All: 0.000+/-0.000 χ^2/NDF: 4570811.2/53

- sign 0.000+/-0.000 χ^2/NDF: 2502196.6/27

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.016+/-0.133 χ^2/NDF:16.4/9

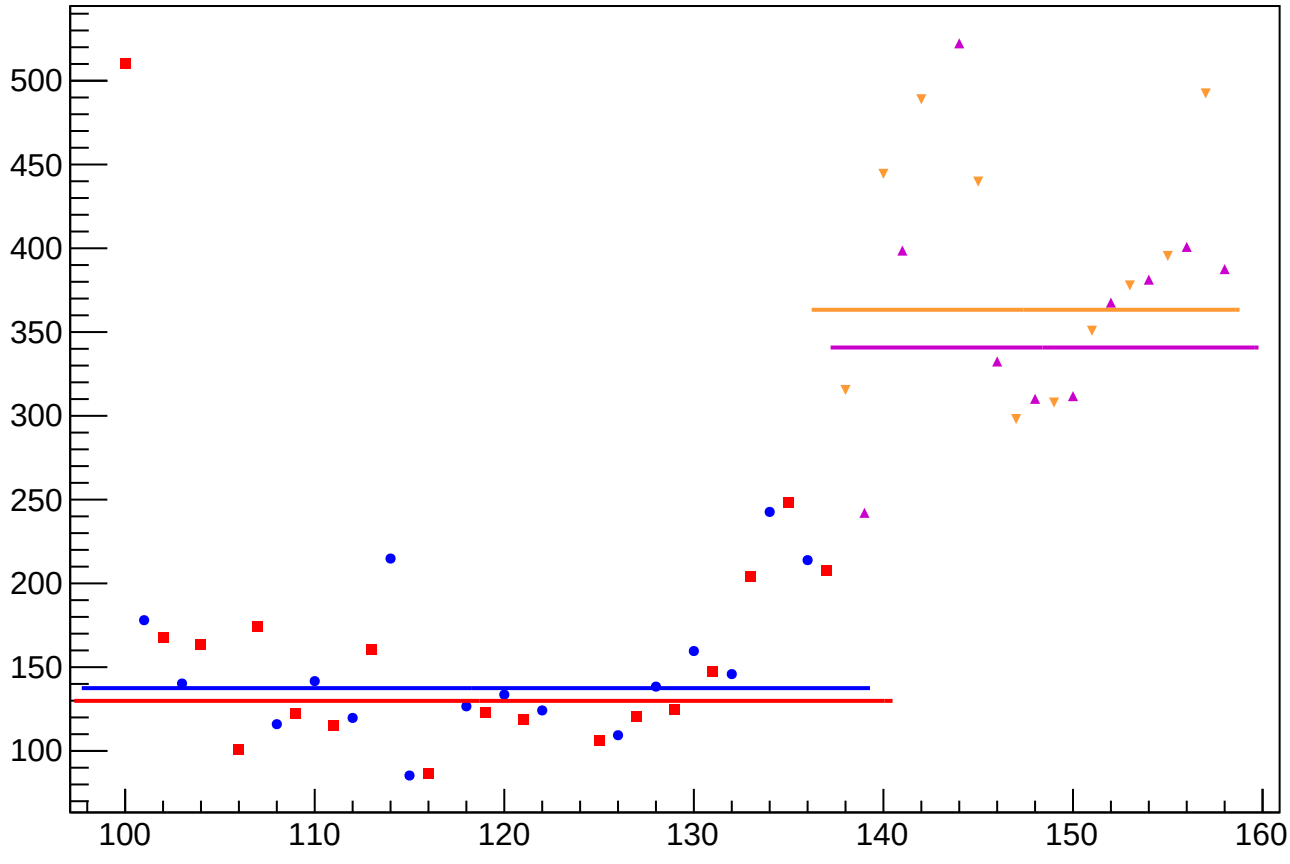
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.047+/-0.119 χ^2/NDF:12.4/9

+ sign -0.015+/-0.050 χ^2/NDF: 32.5/25

All: -0.024+/-0.035 χ^2/NDF: 71.8/53

- sign -0.032+/-0.048 χ^2/NDF: 39.2/27



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 363.315+/-0.094 χ^2/NDF:448345.2/9

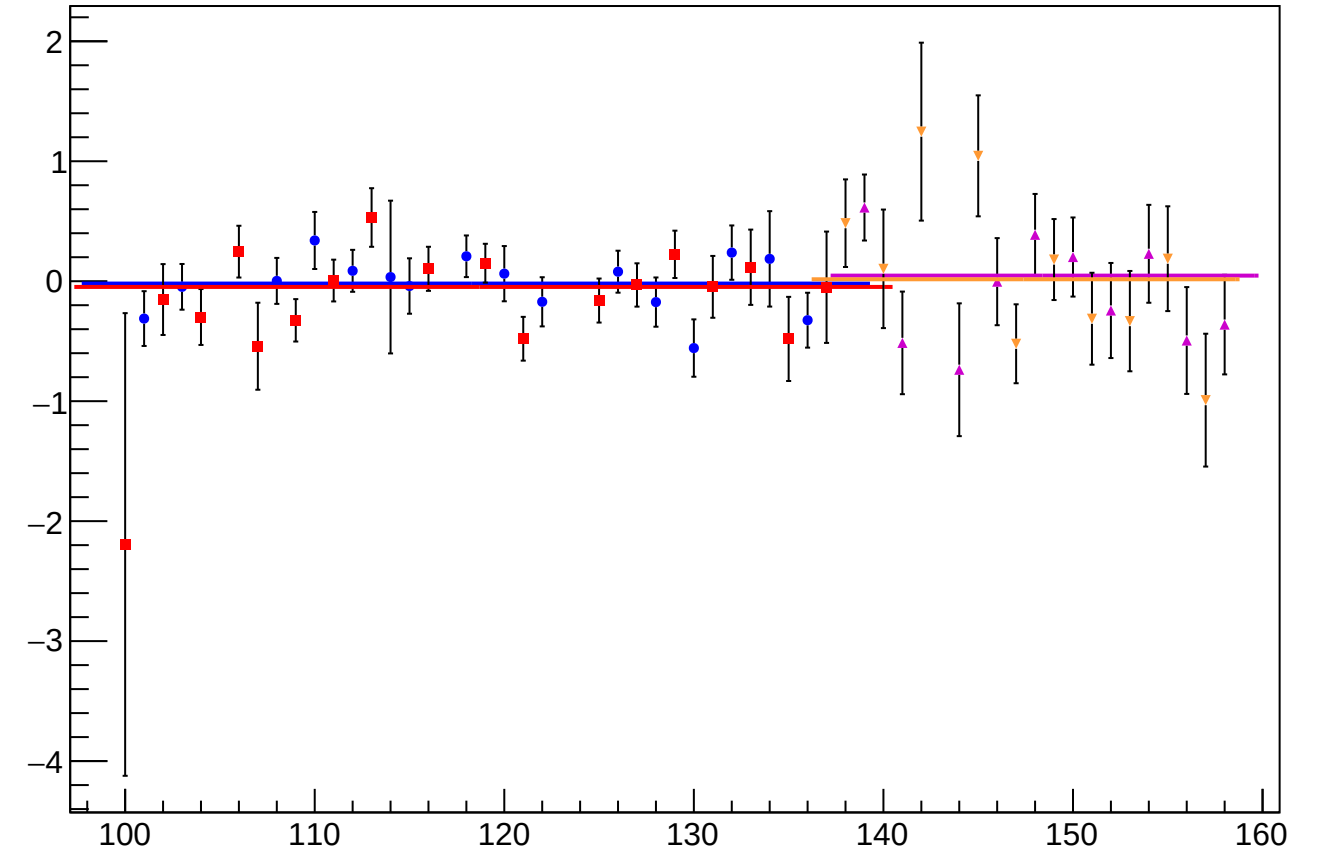
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 340.775+/-0.084 χ^2/NDF:632270.2/9

+ sign 169.596+/-0.036 χ^2/NDF: 6076000.3/25

All: 166.793+/-0.025 χ^2/NDF: 12810142.0/53

- sign 164.227+/-0.034 χ^2/NDF: 6722197.6/27



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.016+/-0.133 χ^2/NDF:16.4/9

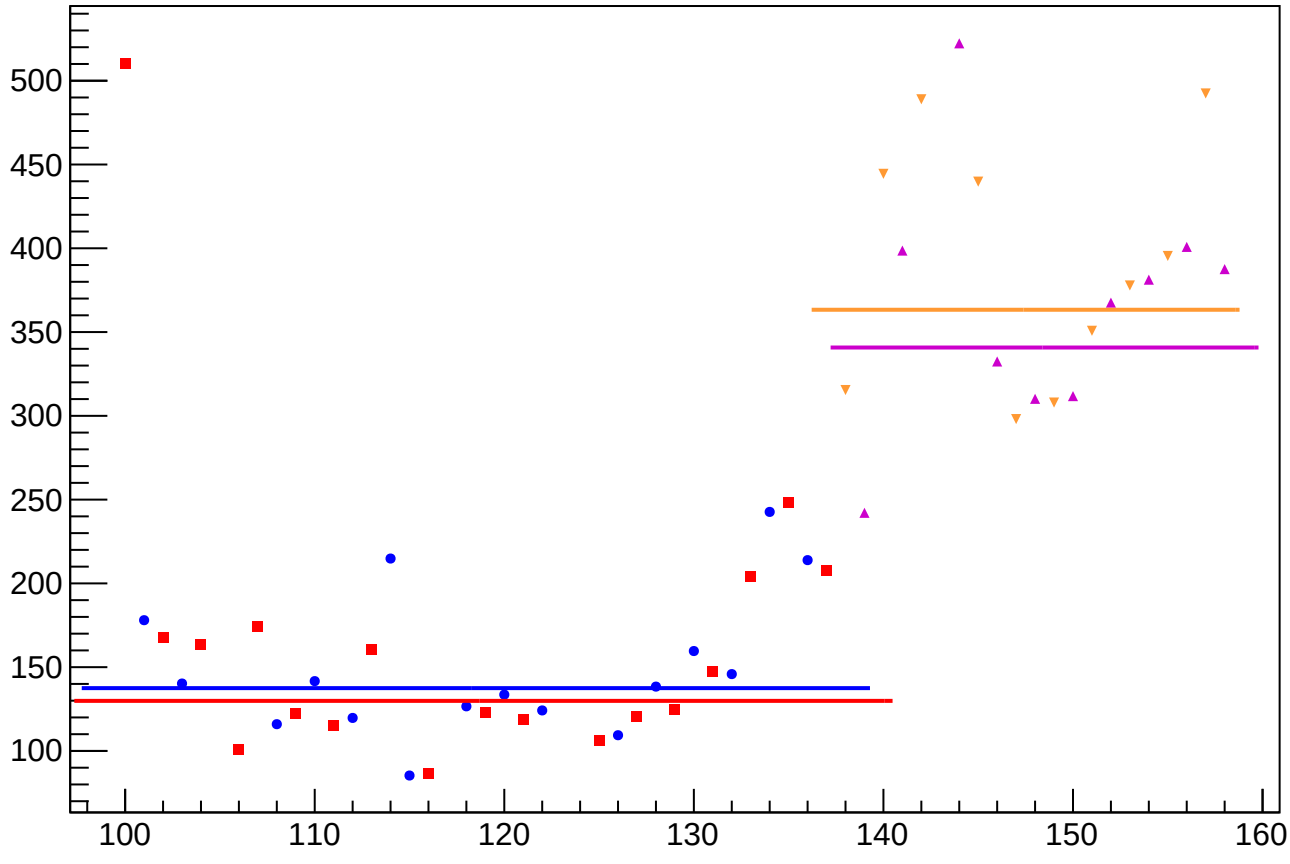
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.047+/-0.119 χ^2/NDF:12.4/9

+ sign -0.015+/-0.050 χ^2/NDF: 32.5/25

All: -0.024+/-0.035 χ^2/NDF: 71.8/53

- sign -0.032+/-0.048 χ^2/NDF: 39.2/27



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 363.315+/-0.094 χ^2/NDF:448345.2/9

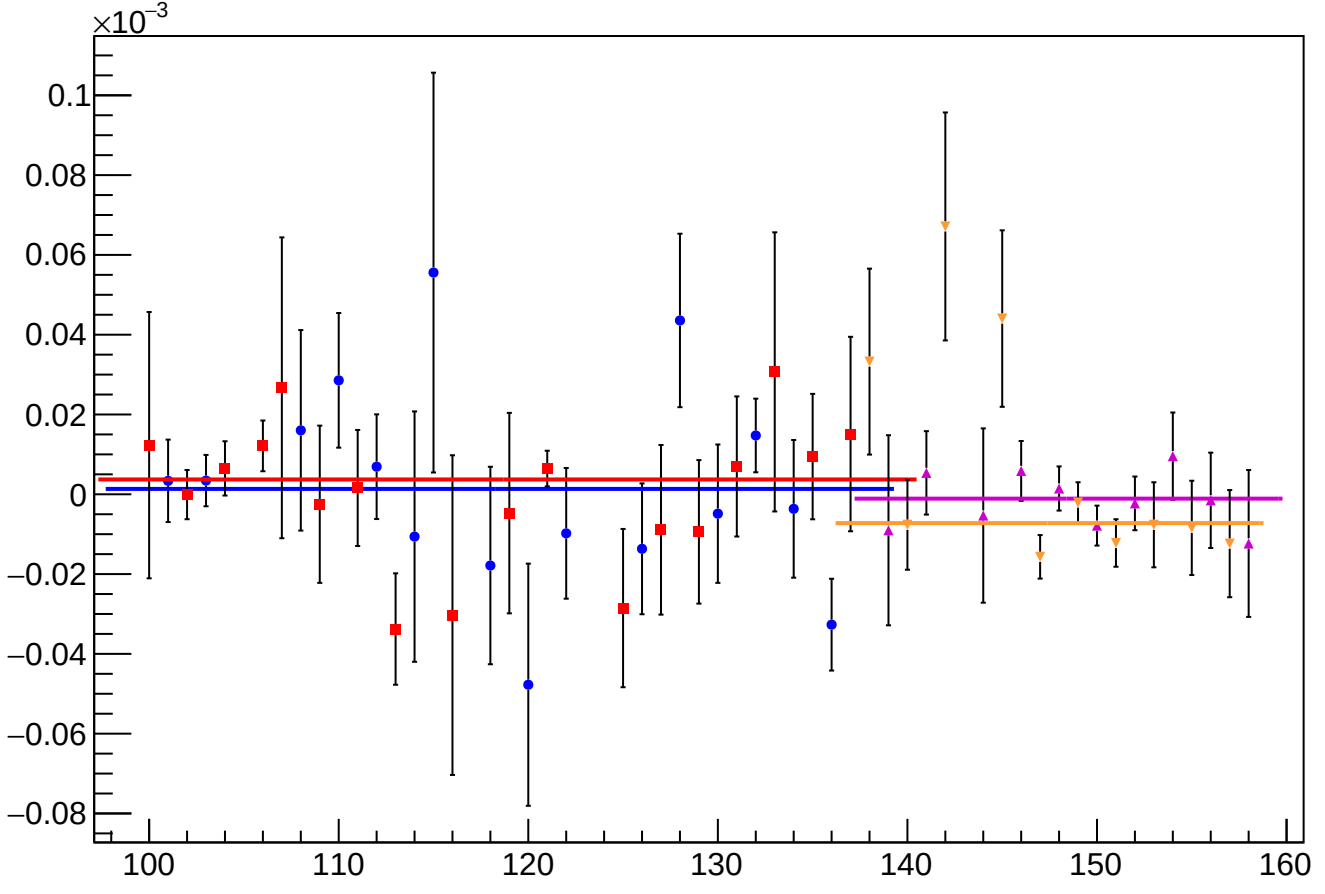
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 340.775+/-0.084 χ^2/NDF:632270.2/9

+ sign 169.596+/-0.036 χ^2/NDF: 6076000.3/25

All: 166.793+/-0.025 χ^2/NDF: 12810142.0/53

- sign 164.227+/-0.034 χ^2/NDF: 6722197.6/27



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.4/9

Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

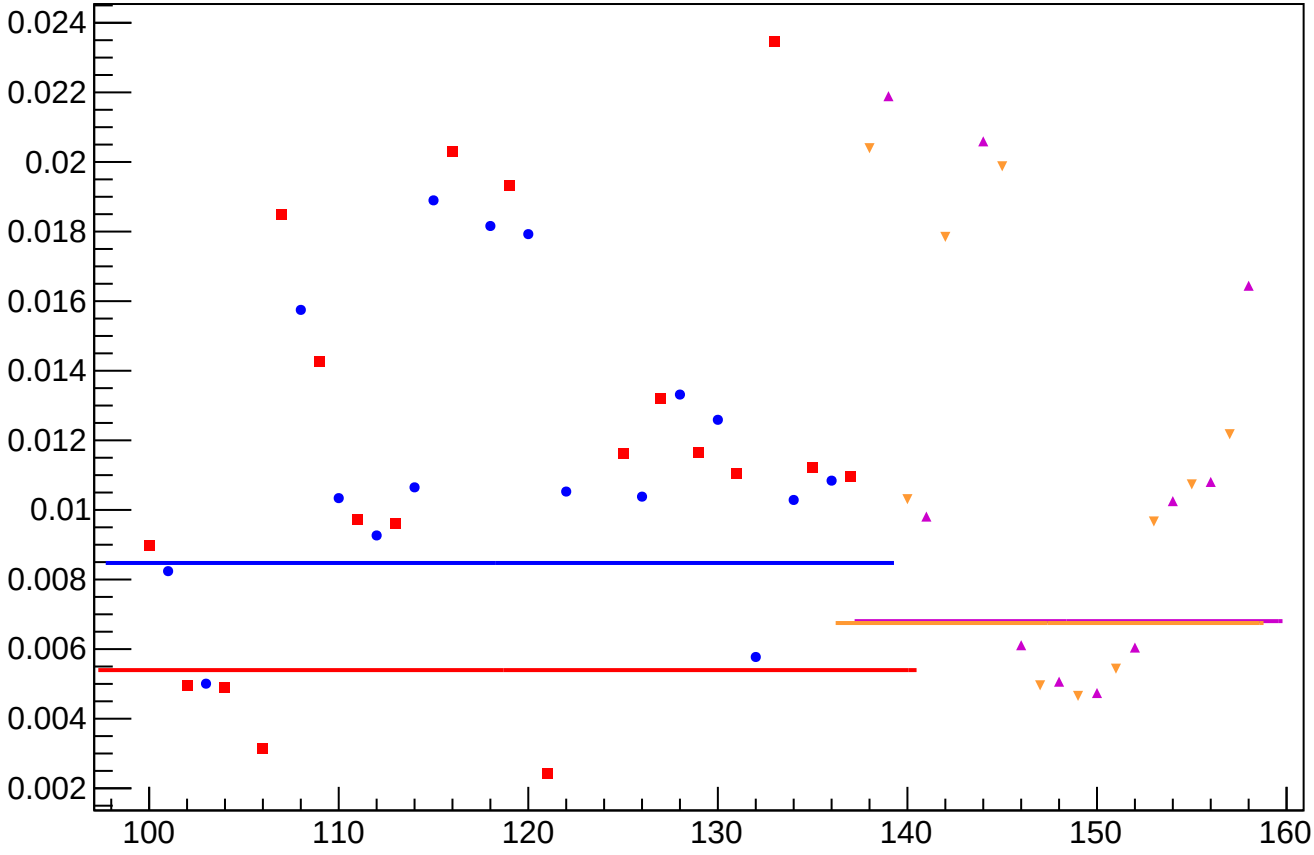
Left In: -0.000+/-0.000 χ^2/NDF:4.8/9

+ sign -0.000+/-0.000 χ^2/NDF: 47.2/25

All: -0.000+/-0.000 χ^2/NDF: 73.1/53

- sign 0.000+/-0.000 χ^2/NDF: 22.3/27

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 1925998.4/15

Left Out: 0.007+/-0.000 χ^2/NDF:3246239.0/9

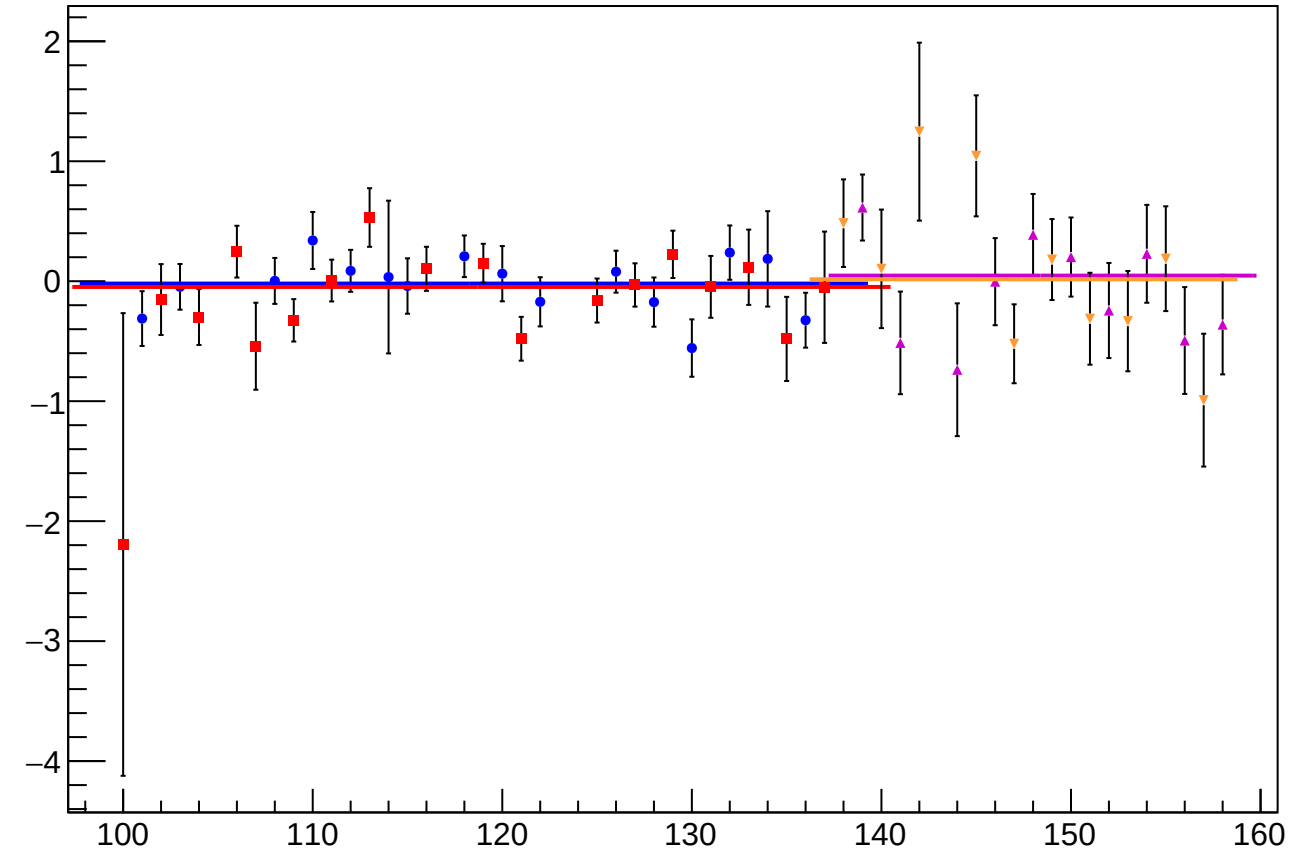
Right Out: 0.005+/-0.000 χ^2/NDF: 4909074.3/17

Left In: 0.007+/-0.000 χ^2/NDF:3316719.6/9

+ sign 0.007+/-0.000 χ^2/NDF: 5480850.0/25

All: 0.007+/-0.000 χ^2/NDF: 14460084.1/53

- sign 0.006+/-0.000 χ^2/NDF: 8522790.1/27



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.016+/-0.133 χ^2/NDF:16.4/9

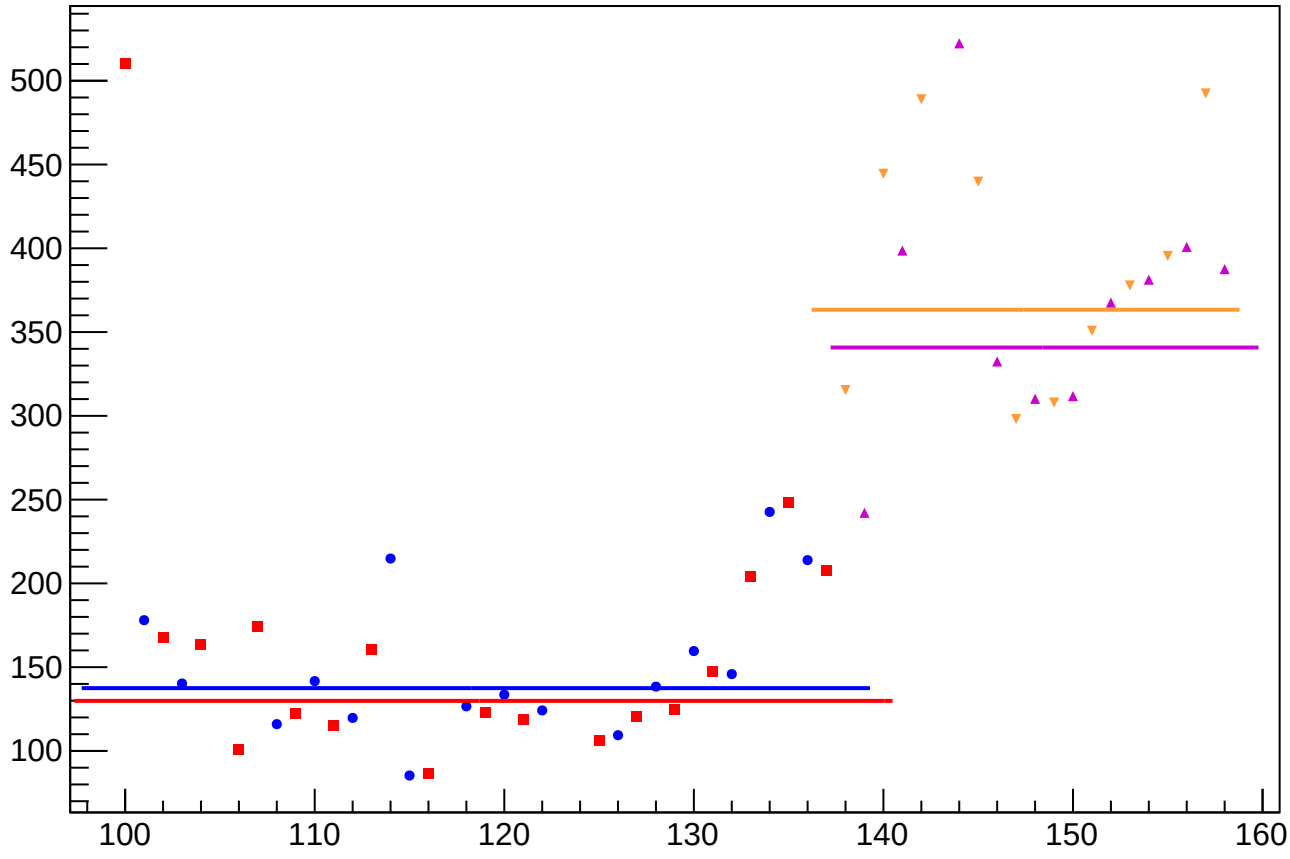
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.047+/-0.119 χ^2/NDF:12.4/9

+ sign -0.015+/-0.050 χ^2/NDF: 32.5/25

All: -0.024+/-0.035 χ^2/NDF: 71.8/53

- sign -0.032+/-0.048 χ^2/NDF: 39.2/27



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 363.319+/-0.094 χ^2/NDF:448386.7/9

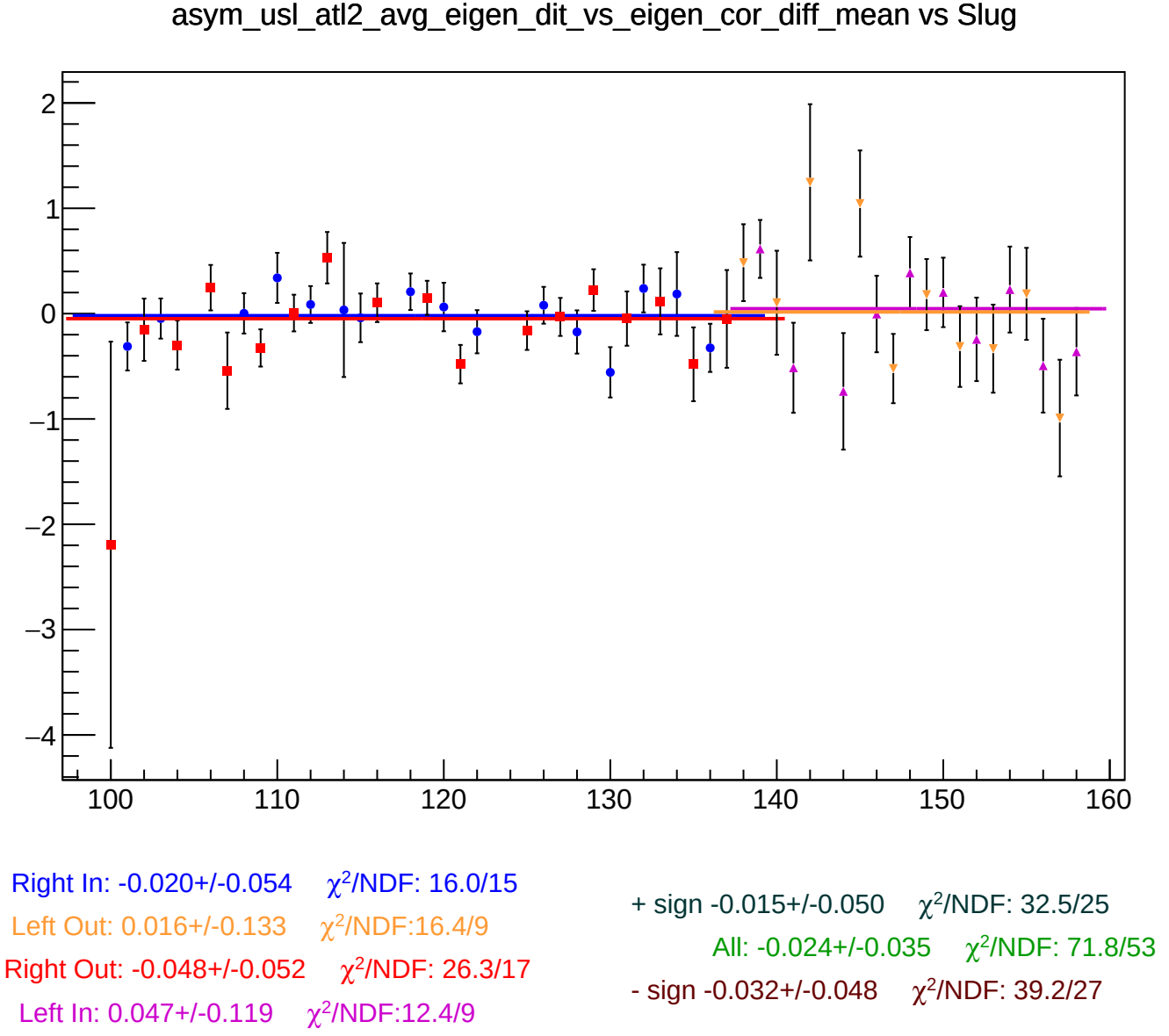
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

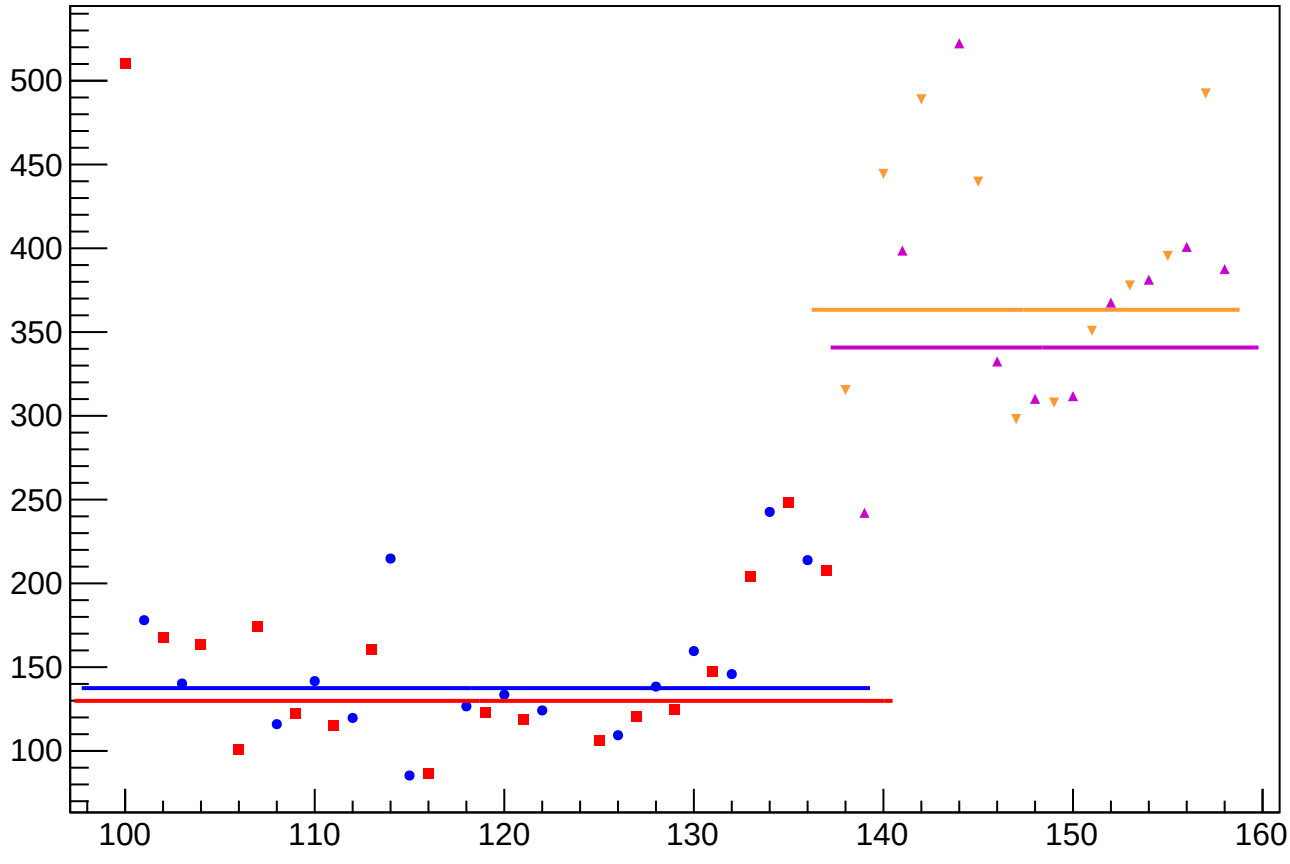
Left In: 340.780+/-0.084 χ^2/NDF:632260.2/9

+ sign 169.596+/-0.036 χ^2/NDF: 6076092.3/25

All: 166.792+/-0.025 χ^2/NDF: 12810304.9/53

- sign 164.227+/-0.034 χ^2/NDF: 6722269.3/27


asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
Right In: -0.020+/-0.054 χ²/NDF: 16.0/15
Left Out: 0.016+/-0.133 χ²/NDF:16.4/9
Right Out: -0.048+/-0.052 χ²/NDF: 26.3/17
Left In: 0.047+/-0.119 χ²/NDF:12.4/9
+ sign -0.015+/-0.050 χ²/NDF: 32.5/25
All: -0.024+/-0.035 χ²/NDF: 71.8/53
- sign -0.032+/-0.048 χ²/NDF: 39.2/27



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 363.319+/-0.094 χ^2/NDF:448386.7/9

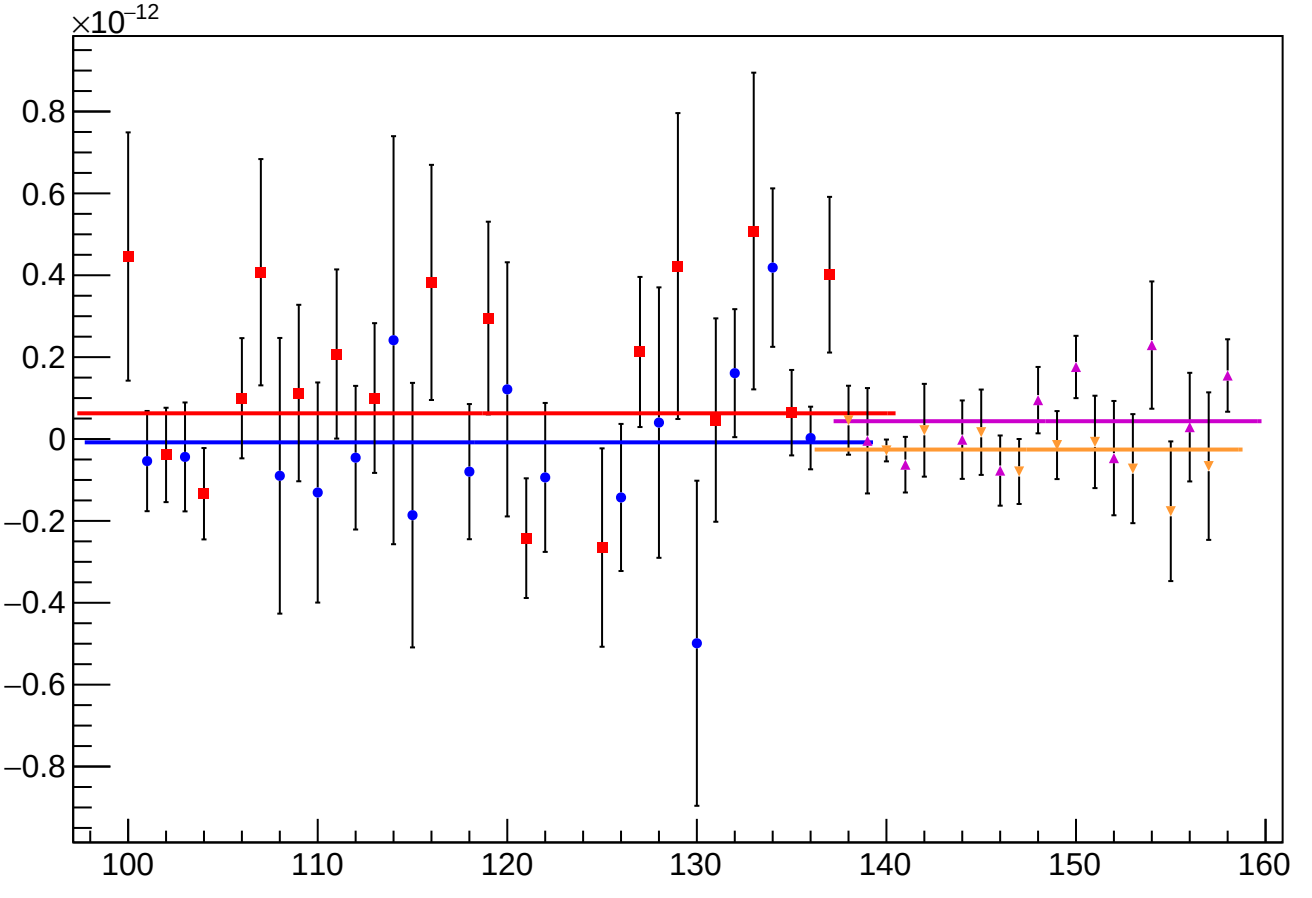
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 340.780+/-0.084 χ^2/NDF:632260.2/9

+ sign 169.596+/-0.036 χ^2/NDF: 6076092.3/25

All: 166.792+/-0.025 χ^2/NDF: 12810304.9/53

- sign 164.227+/-0.034 χ^2/NDF: 6722269.3/27



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.5/9

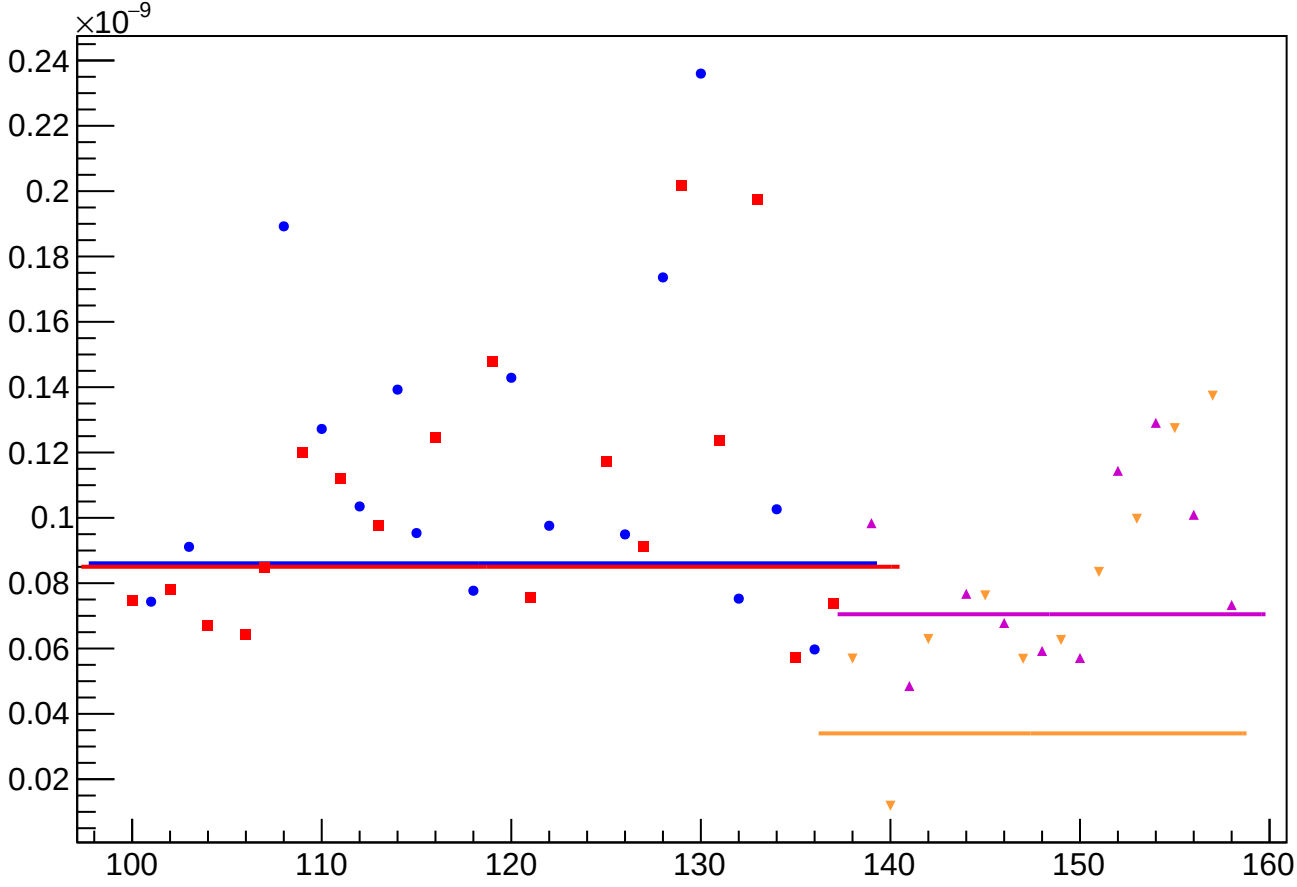
Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/17

Left In: 0.000+/-0.000 χ^2/NDF:11.7/9

+ sign -0.000+/-0.000 χ^2/NDF: 12.5/25

All: 0.000+/-0.000 χ^2/NDF: 51.9/53

- sign 0.000+/-0.000 χ^2/NDF: 34.0/27



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:4514584.3/9

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

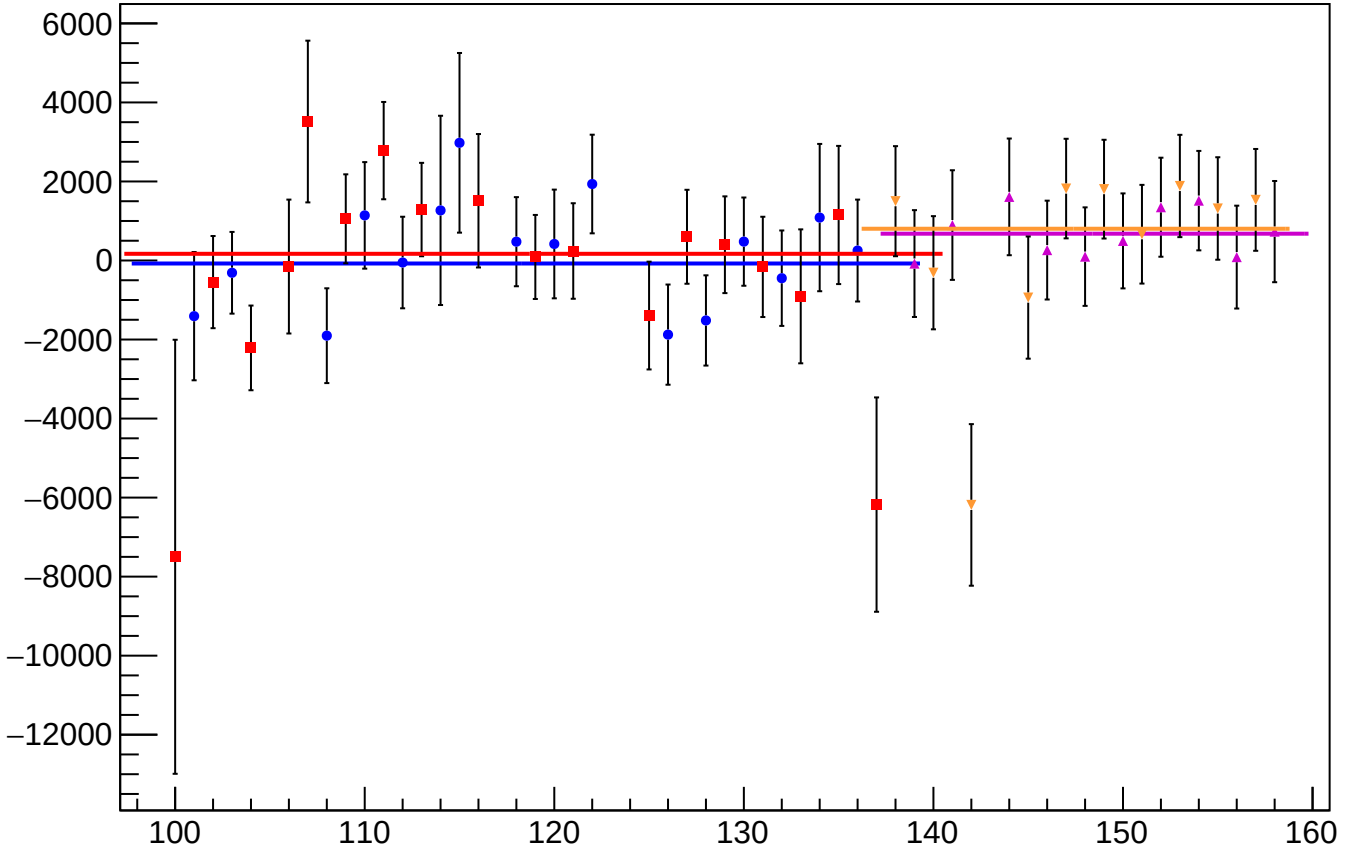
Left In: 0.000+/-0.000 χ^2/NDF:1002708.3/9

+ sign 0.000+/-0.000 χ^2/NDF: 7990441.7/25

All: 0.000+/-0.000 χ^2/NDF: 12158657.7/53

- sign 0.000+/-0.000 χ^2/NDF: 2146530.1/27

reg_asym_usl_atl2_dd_mean vs Slug



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: 803.527+/-431.675 χ^2/NDF:16.3/9

Right Out: 169.345+/-321.827 χ^2/NDF: 24.4/17

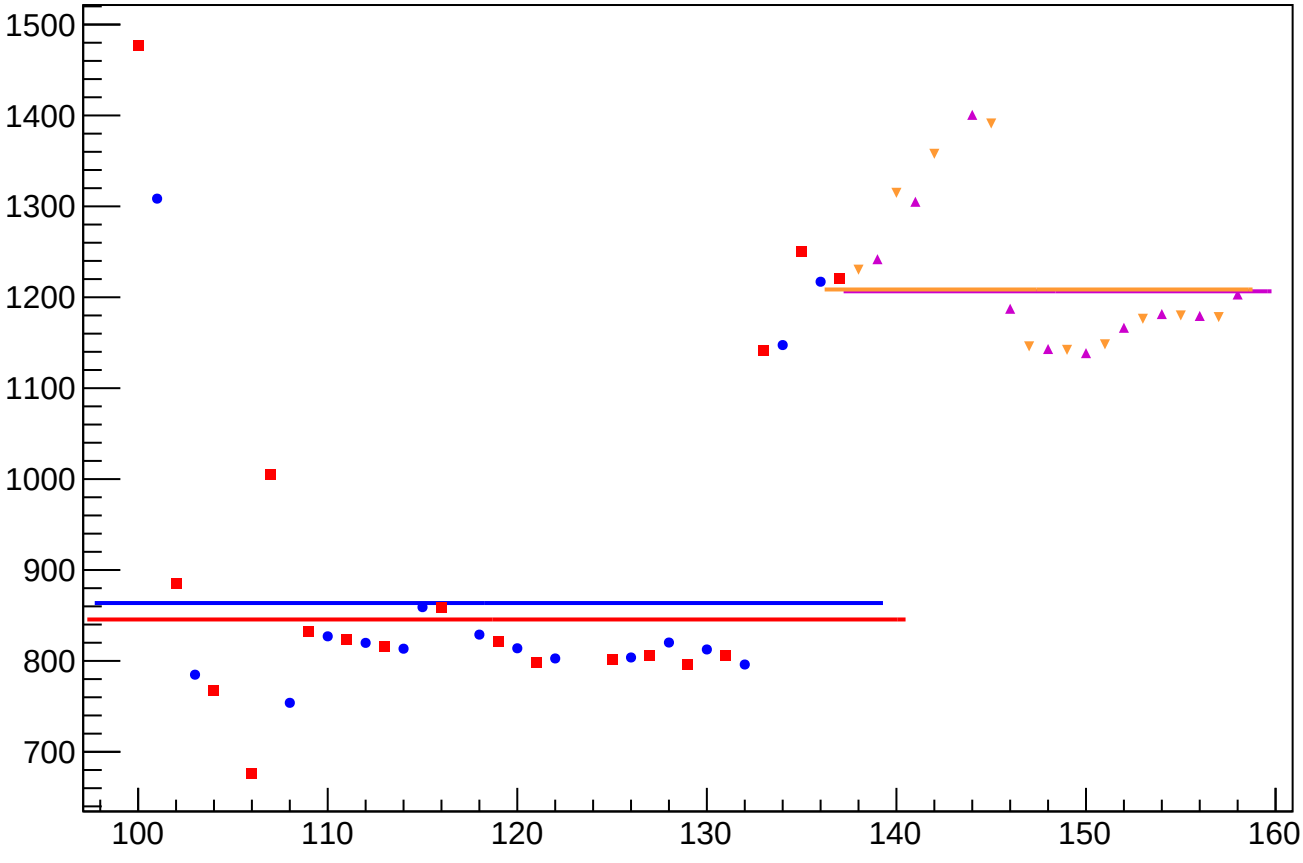
Left In: 678.327+/-409.297 χ^2/NDF:2.0/9

+ sign 243.752+/-260.264 χ^2/NDF: 32.3/25

All: 305.479+/-181.407 χ^2/NDF: 59.7/53

- sign 363.802+/-252.988 χ^2/NDF: 27.4/27

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1208.566+/-0.305 χ^2/NDF:68647.1/9

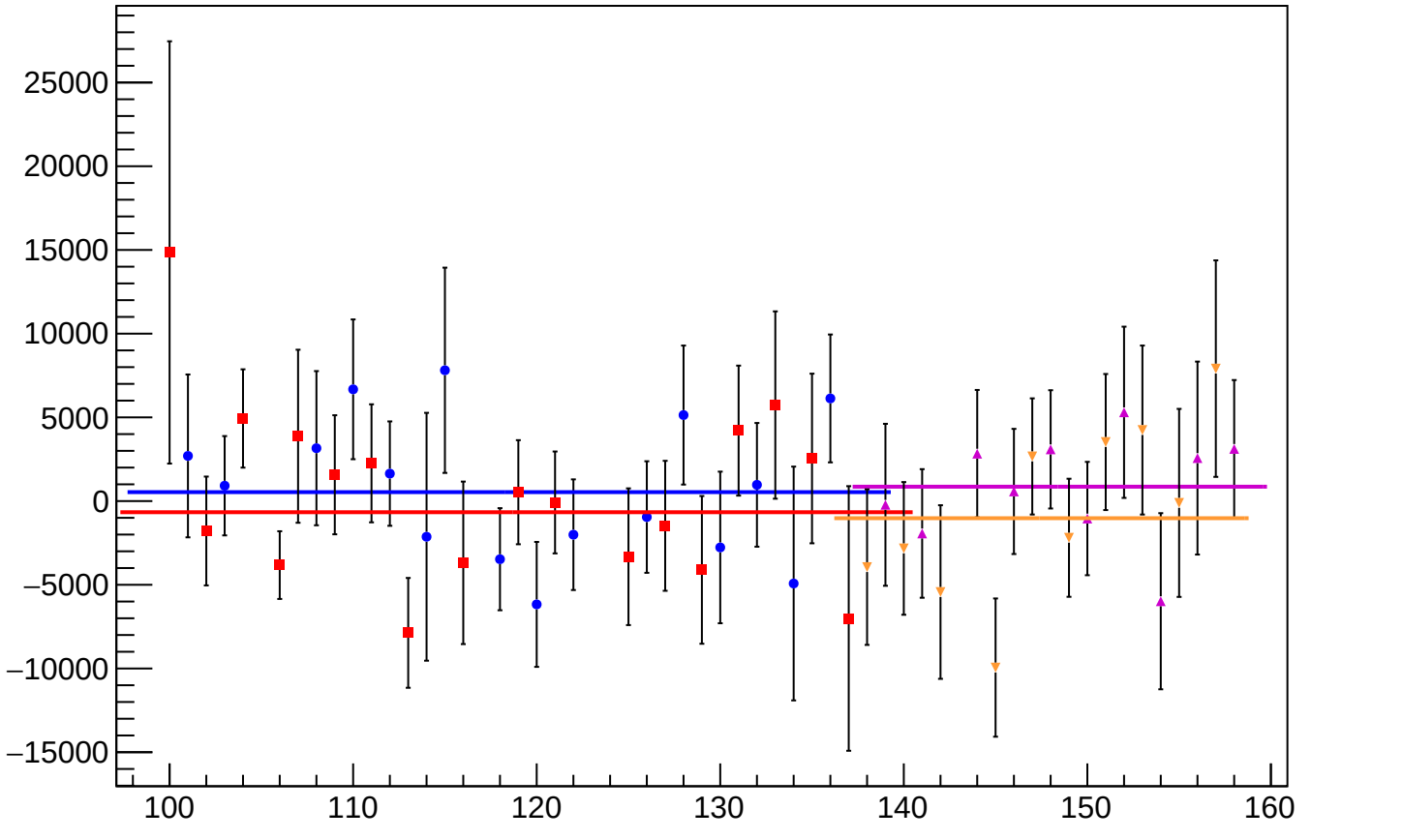
Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

Left In: 1206.564+/-0.289 χ^2/NDF:61800.5/9

+ sign 989.038+/-0.184 χ^2/NDF: 1288801.7/25

All: 985.071+/-0.128 χ^2/NDF: 2629735.9/53

- sign 981.380+/-0.178 χ^2/NDF: 1340037.3/27



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: -1023.242+/-1380.230 χ^2/NDF:11.5/9

Right Out: -665.878+/-864.970 χ^2/NDF: 20.0/17

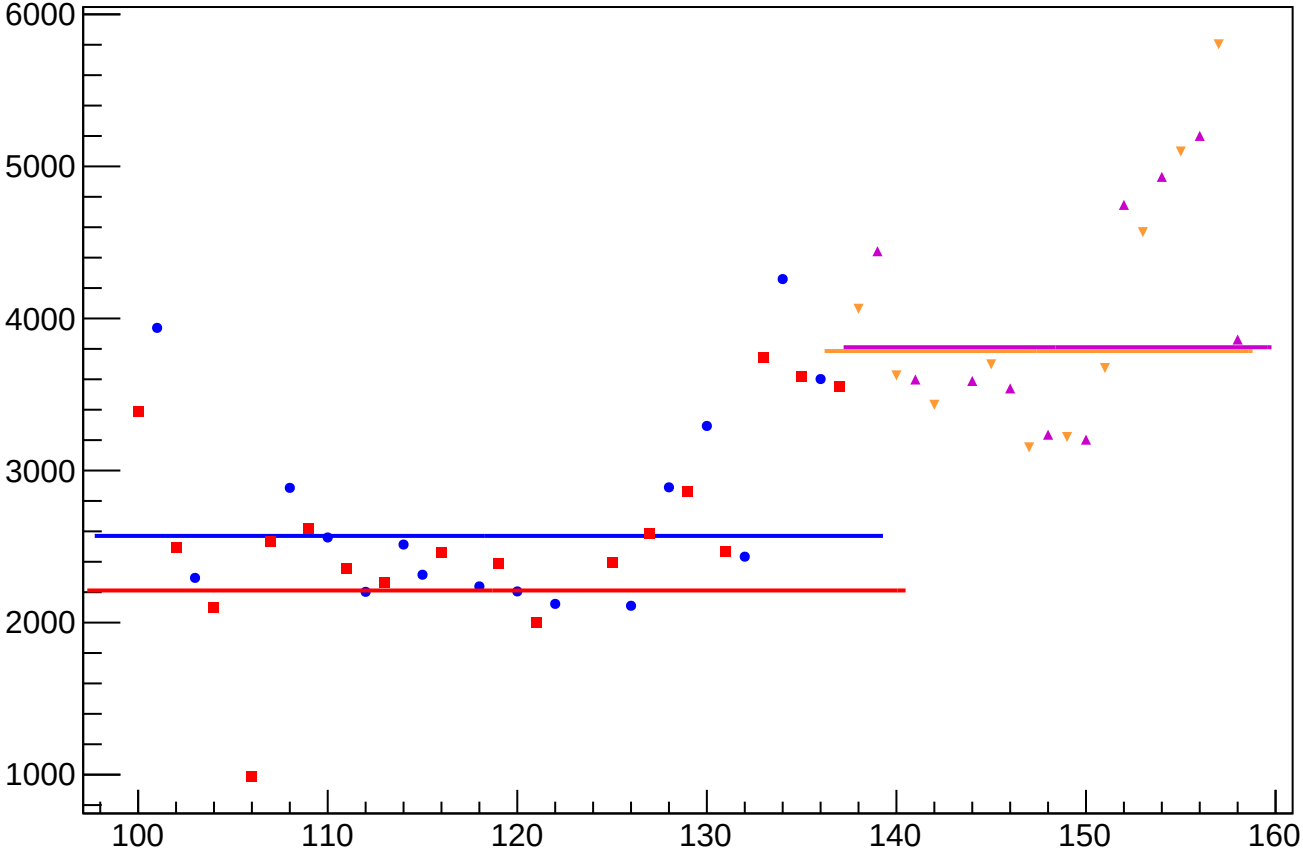
Left In: 859.526+/-1310.679 χ^2/NDF:4.4/9

+ sign 11.487+/-799.764 χ^2/NDF: 27.0/25

All: -106.747+/-535.893 χ^2/NDF: 52.4/53

- sign -203.088+/-721.932 χ^2/NDF: 25.3/27

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 3785.810+/-0.976 χ^2/NDF:492108.6/9

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

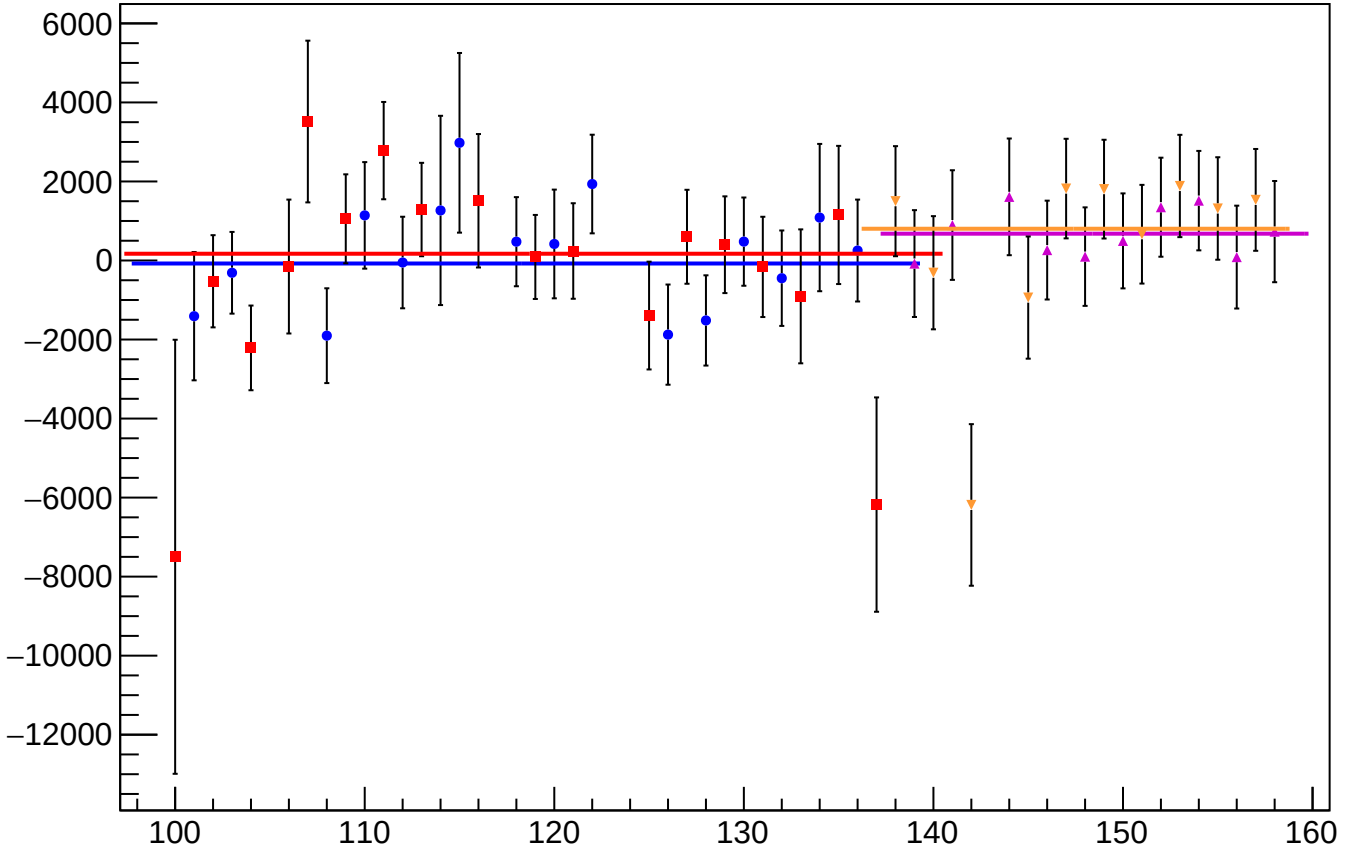
Left In: 3810.846+/-0.927 χ^2/NDF:449358.1/9

+ sign 2978.303+/-0.566 χ^2/NDF: 2185189.9/25

All: 2823.060+/-0.379 χ^2/NDF: 6110490.0/53

- sign 2696.563+/-0.510 χ^2/NDF: 3788537.9/27

cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 803.464+/-431.675 χ^2/NDF:16.3/9

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

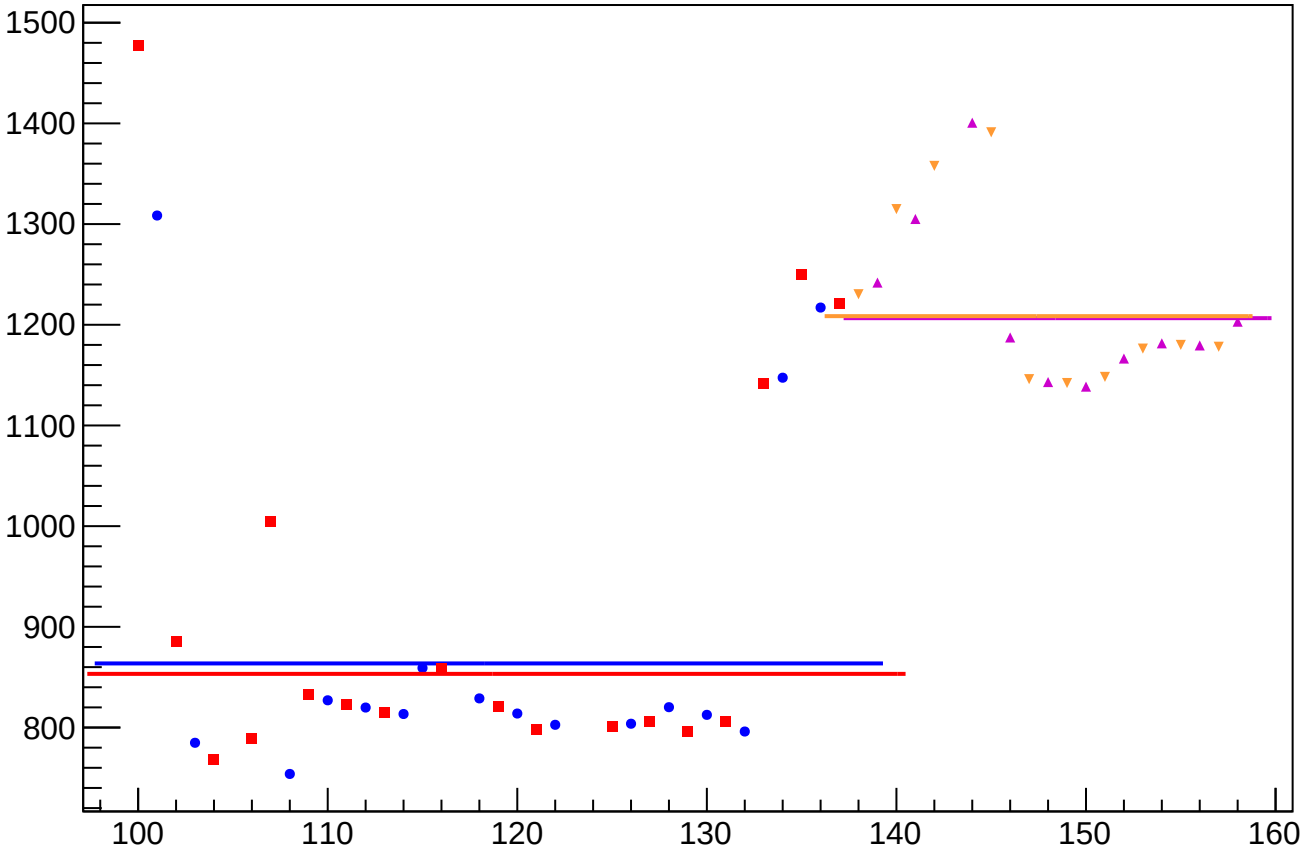
Left In: 678.345+/-409.297 χ^2/NDF:2.0/9

+ sign 243.680+/-260.264 χ^2/NDF: 32.3/25

All: 305.968+/-181.408 χ^2/NDF: 59.7/53

- sign 364.824+/-252.990 χ^2/NDF: 27.3/27

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1208.566+/-0.305 χ^2/NDF:68647.1/9

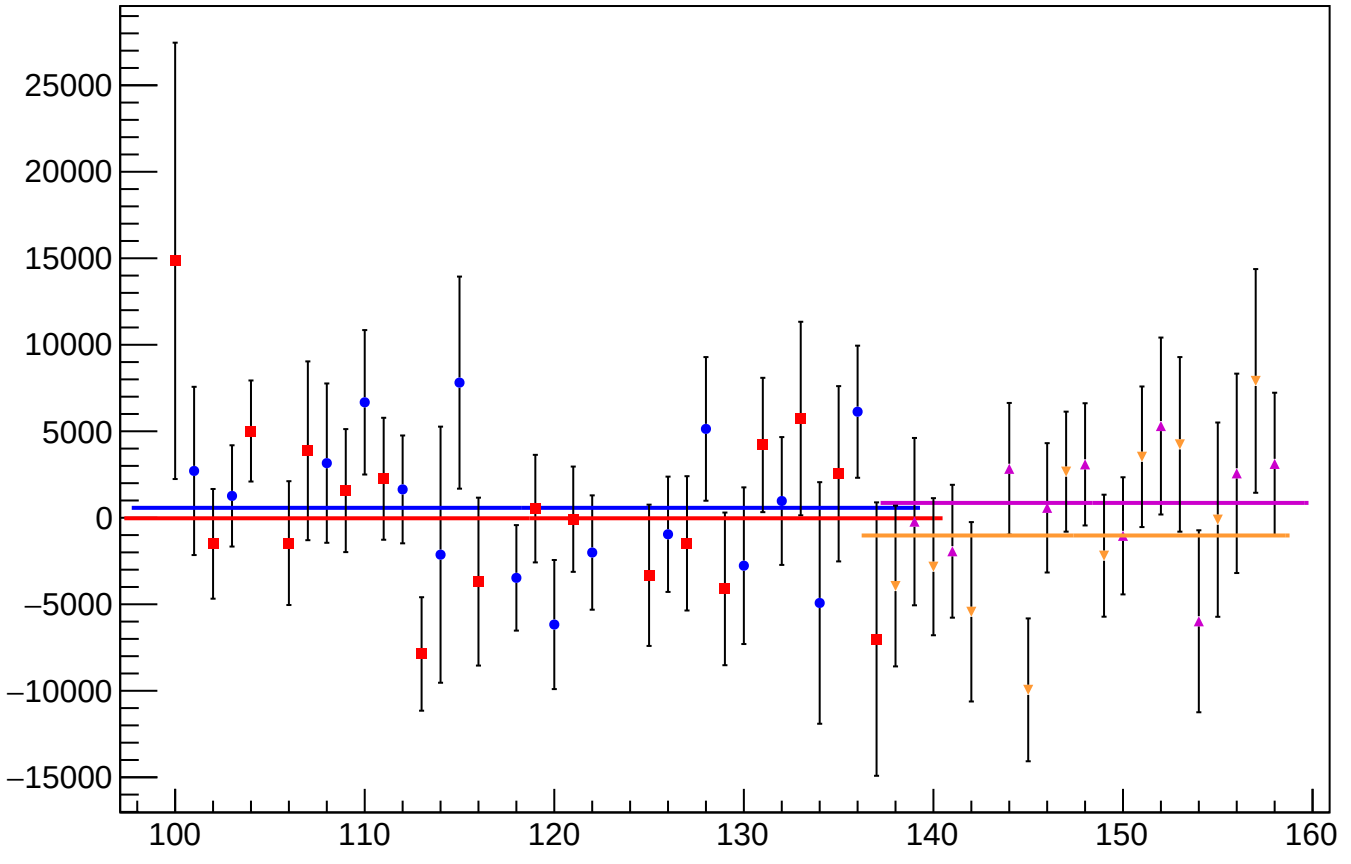
Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1206.564+/-0.289 χ^2/NDF:61800.5/9

+ sign 989.038+/-0.184 χ^2/NDF: 1288801.7/25

All: 988.192+/-0.128 χ^2/NDF: 2550351.6/53

- sign 987.398+/-0.178 χ^2/NDF: 1261509.0/27



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -1023.300+/-1380.229 χ^2/NDF:11.5/9

Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

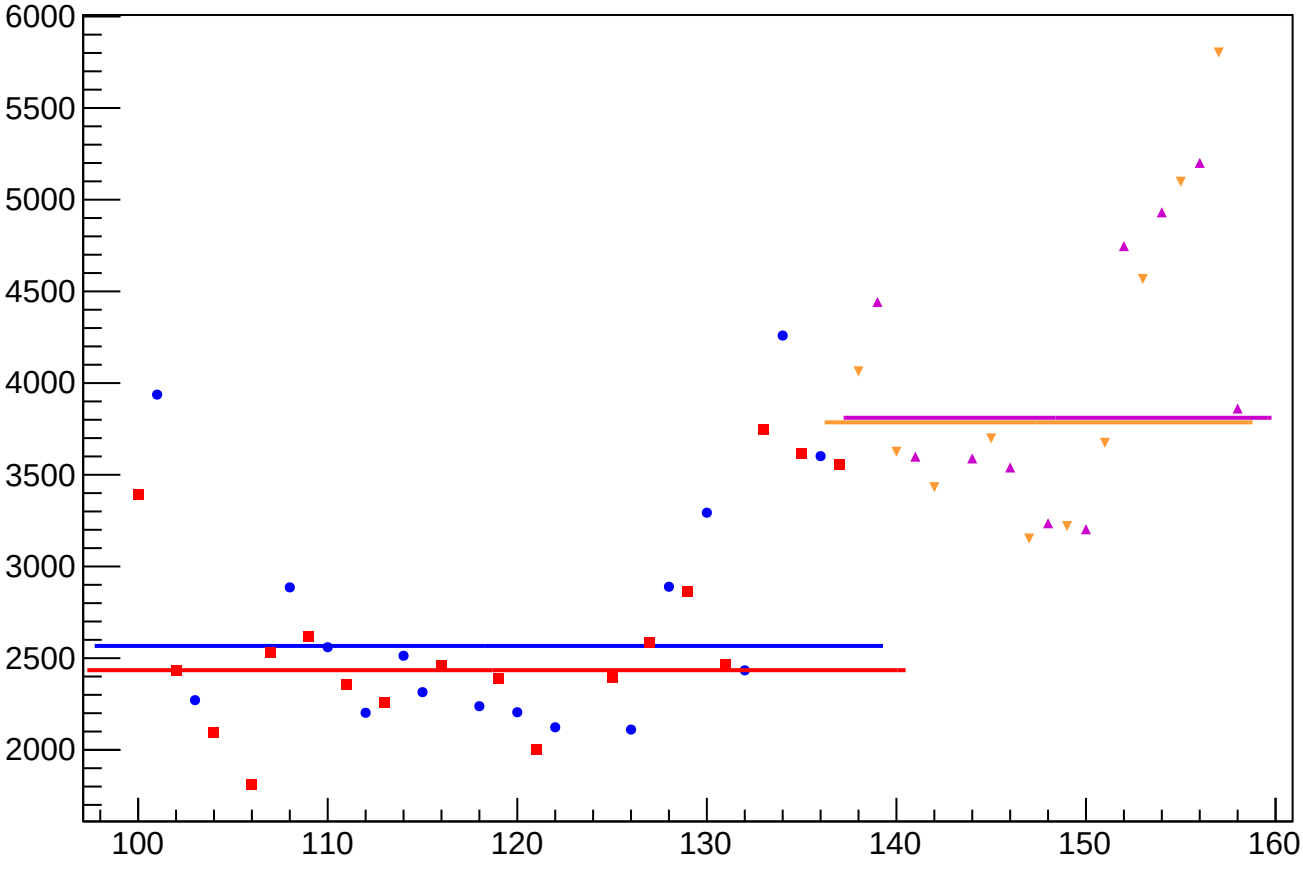
Left In: 859.570+/-1310.678 χ^2/NDF:4.4/9

+ sign 39.382+/-798.987 χ^2/NDF: 27.1/25

All: 158.940+/-548.438 χ^2/NDF: 49.1/53

- sign 265.462+/-754.169 χ^2/NDF: 21.9/27

asym_usl_atl2_dd_cor_correction_rms vs Slug



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3785.809+/-0.976 χ^2/NDF:492105.7/9

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

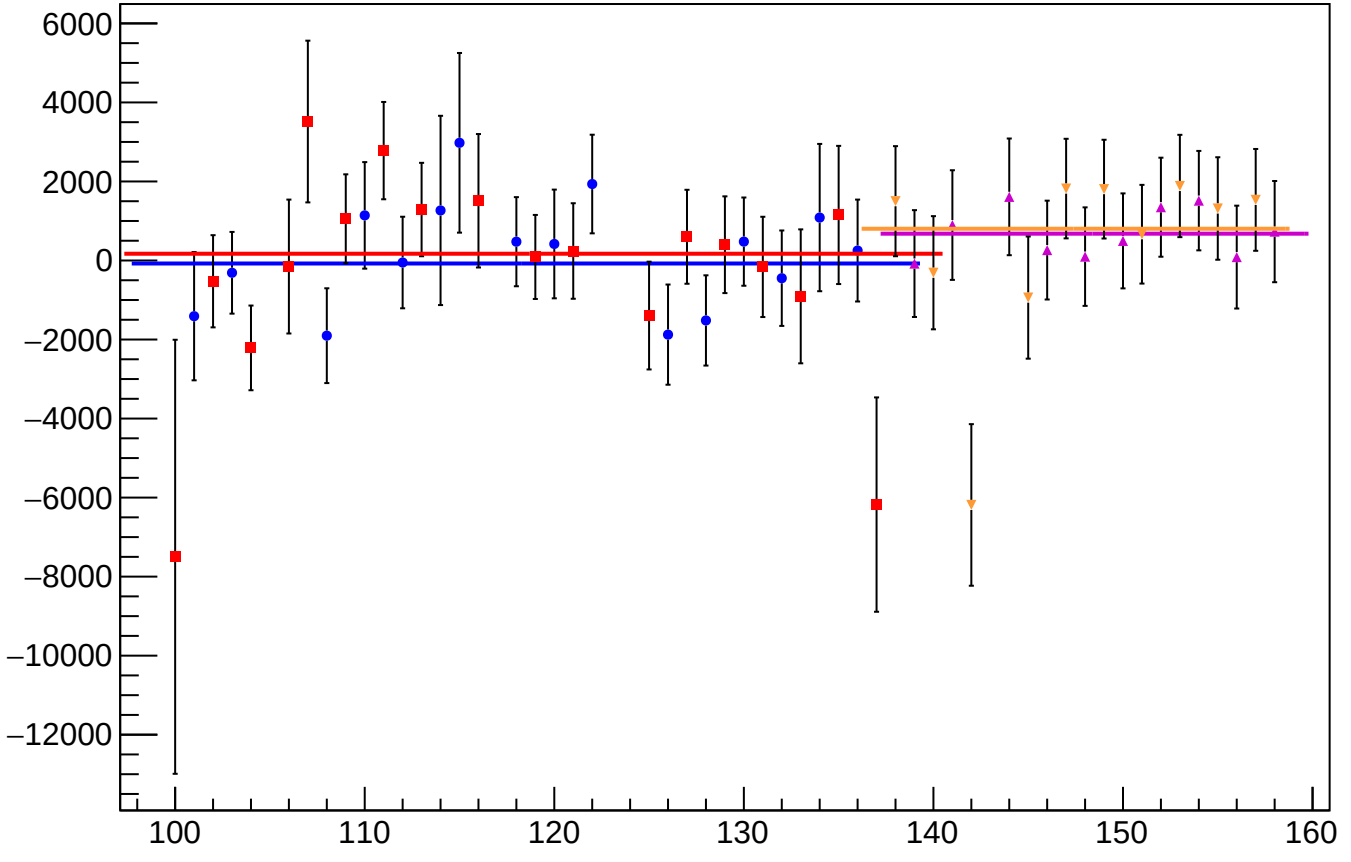
Left In: 3810.840+/-0.927 χ^2/NDF:449359.3/9

+ sign 2975.247+/-0.565 χ^2/NDF: 2195373.5/25

All: 2930.243+/-0.388 χ^2/NDF: 4566183.3/53

- sign 2890.146+/-0.533 χ^2/NDF: 2358810.9/27

eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 803.464+/-431.675 χ^2/NDF:16.3/9

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

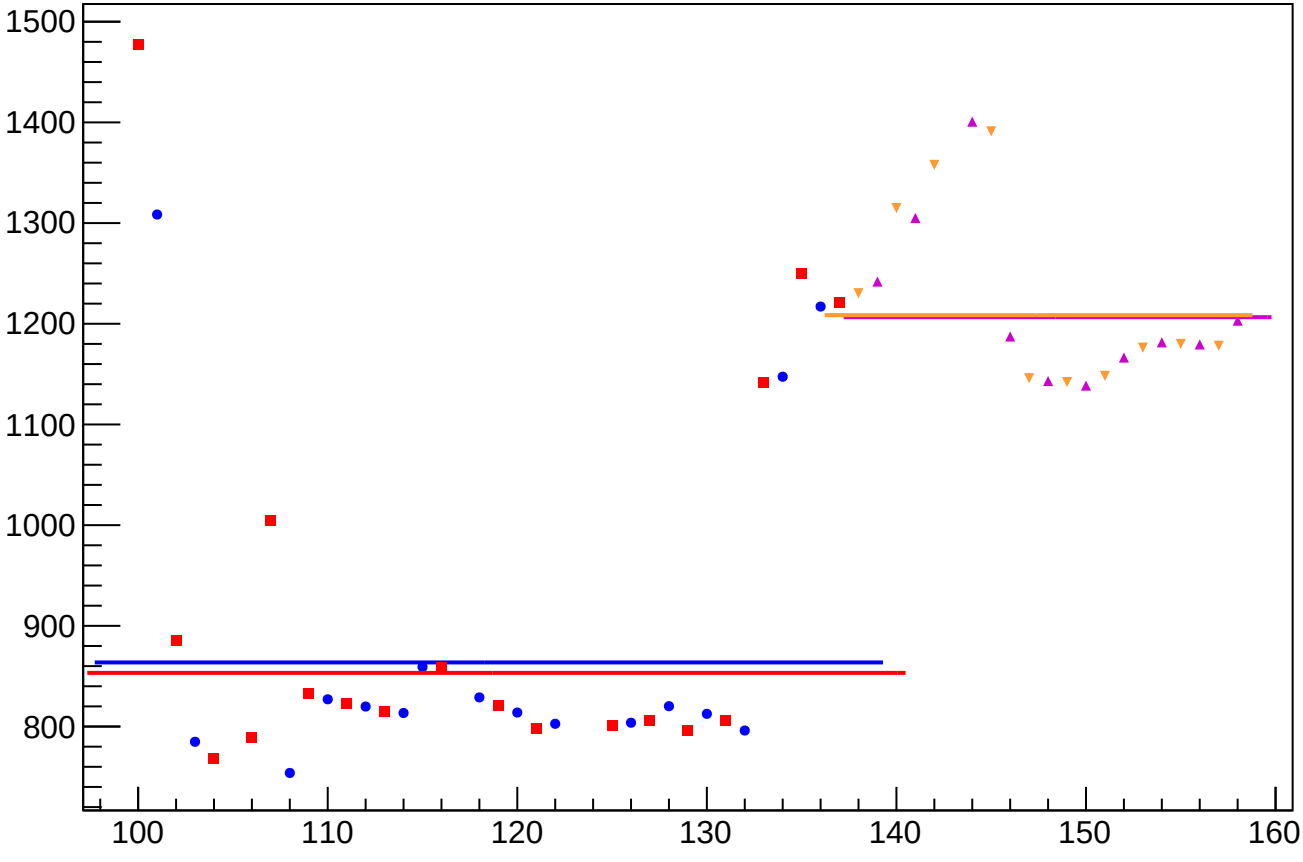
Left In: 678.345+/-409.297 χ^2/NDF:2.0/9

+ sign 243.680+/-260.264 χ^2/NDF: 32.3/25

All: 305.968+/-181.408 χ^2/NDF: 59.7/53

- sign 364.824+/-252.990 χ^2/NDF: 27.3/27

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1208.566+/-0.305 χ^2/NDF:68647.1/9

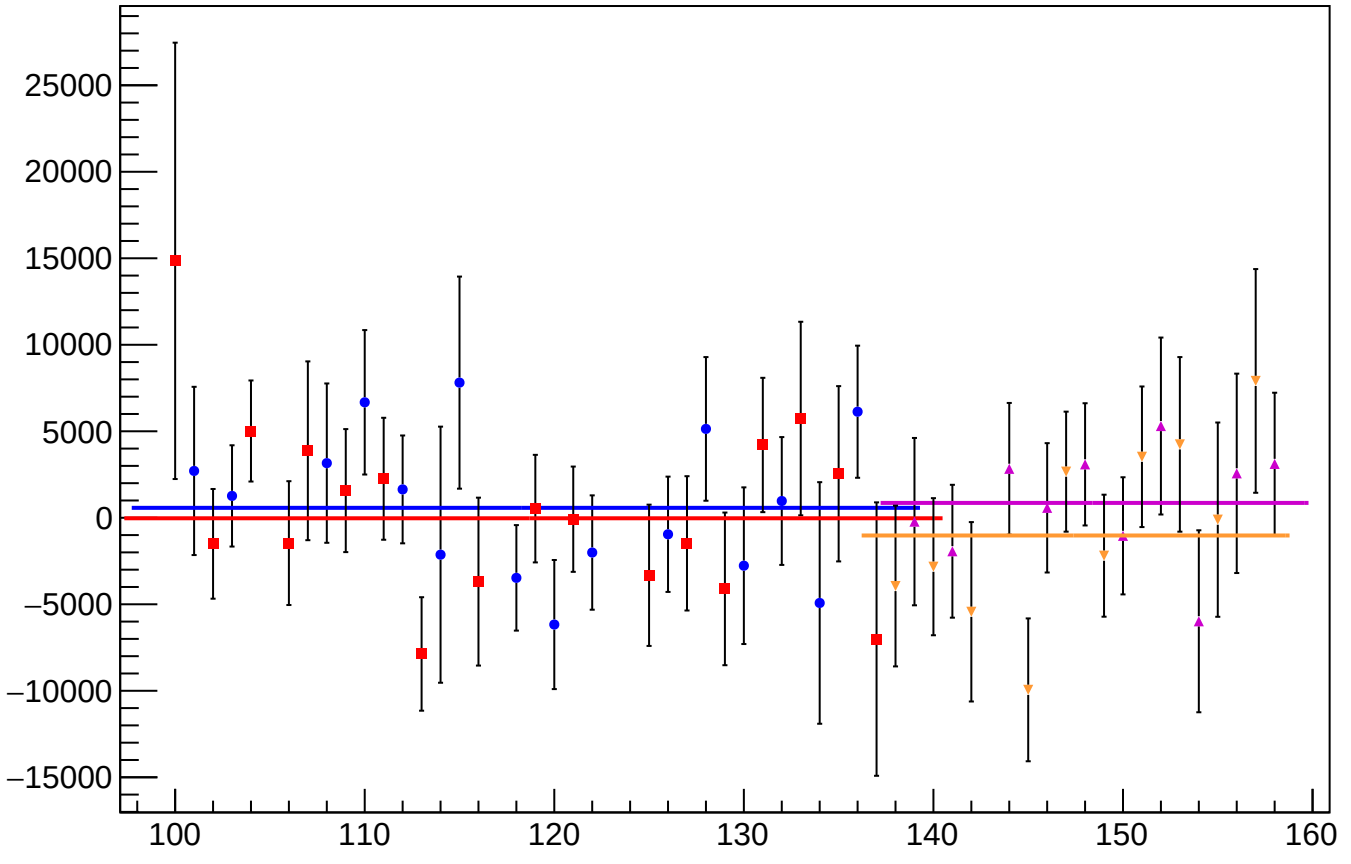
Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1206.564+/-0.289 χ^2/NDF:61800.5/9

+ sign 989.038+/-0.184 χ^2/NDF: 1288801.7/25

All: 988.192+/-0.128 χ^2/NDF: 2550351.6/53

- sign 987.398+/-0.178 χ^2/NDF: 1261509.0/27



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -1023.300+/-1380.229 χ^2/NDF:11.5/9

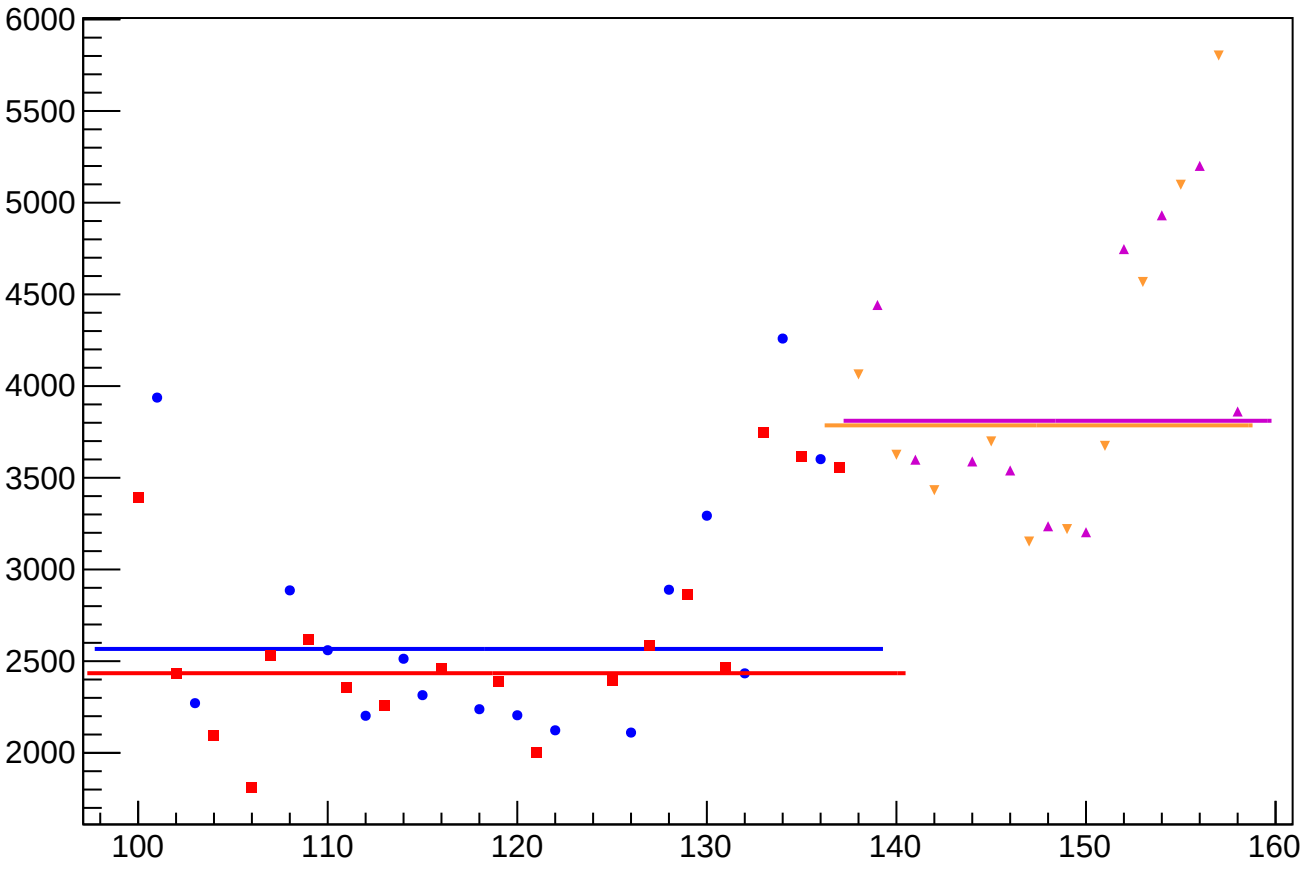
Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: 859.570+/-1310.678 χ^2/NDF:4.4/9

+ sign 39.382+/-798.987 χ^2/NDF: 27.1/25

All: 158.940+/-548.438 χ^2/NDF: 49.1/53

- sign 265.462+/-754.169 χ^2/NDF: 21.9/27



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3785.809+/-0.976 χ^2/NDF:492105.7/9

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

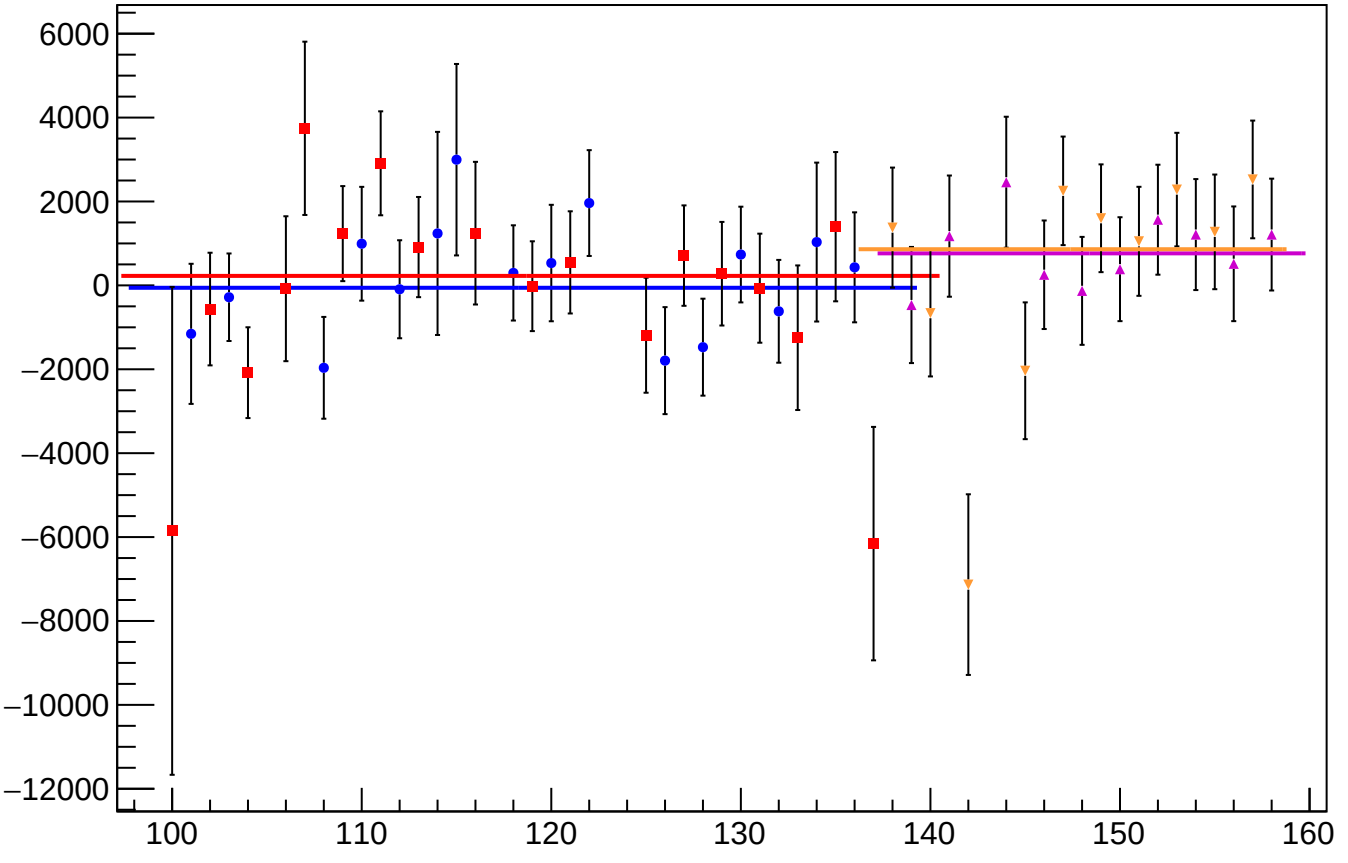
Left In: 3810.840+/-0.927 χ^2/NDF:449359.3/9

+ sign 2975.247+/-0.565 χ^2/NDF: 2195373.5/25

All: 2930.243+/-0.388 χ^2/NDF: 4566183.3/53

- sign 2890.146+/-0.533 χ^2/NDF: 2358810.9/27

dit_asym_usl_atl2_dd_mean vs Slug



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: 861.843+/-451.547 χ^2/NDF:22.2/9

Right Out: 226.075+/-328.069 χ^2/NDF: 22.9/17

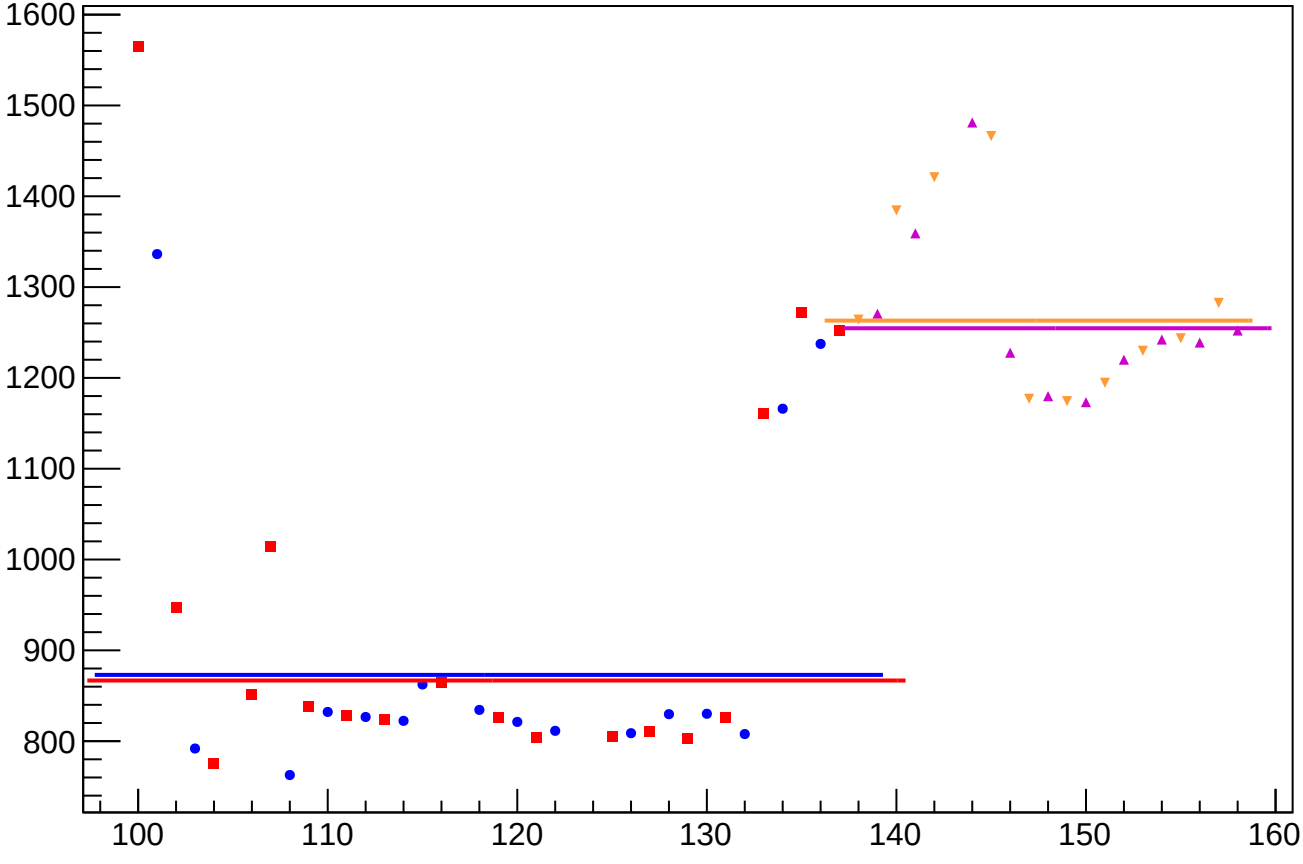
Left In: 763.401+/-425.780 χ^2/NDF:3.4/9

+ sign 262.872+/-266.479 χ^2/NDF: 37.9/25

All: 346.607+/-186.050 χ^2/NDF: 65.4/53

- sign 426.242+/-259.874 χ^2/NDF: 27.3/27

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1263.094+/-0.319 χ^2/NDF:80711.9/9

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

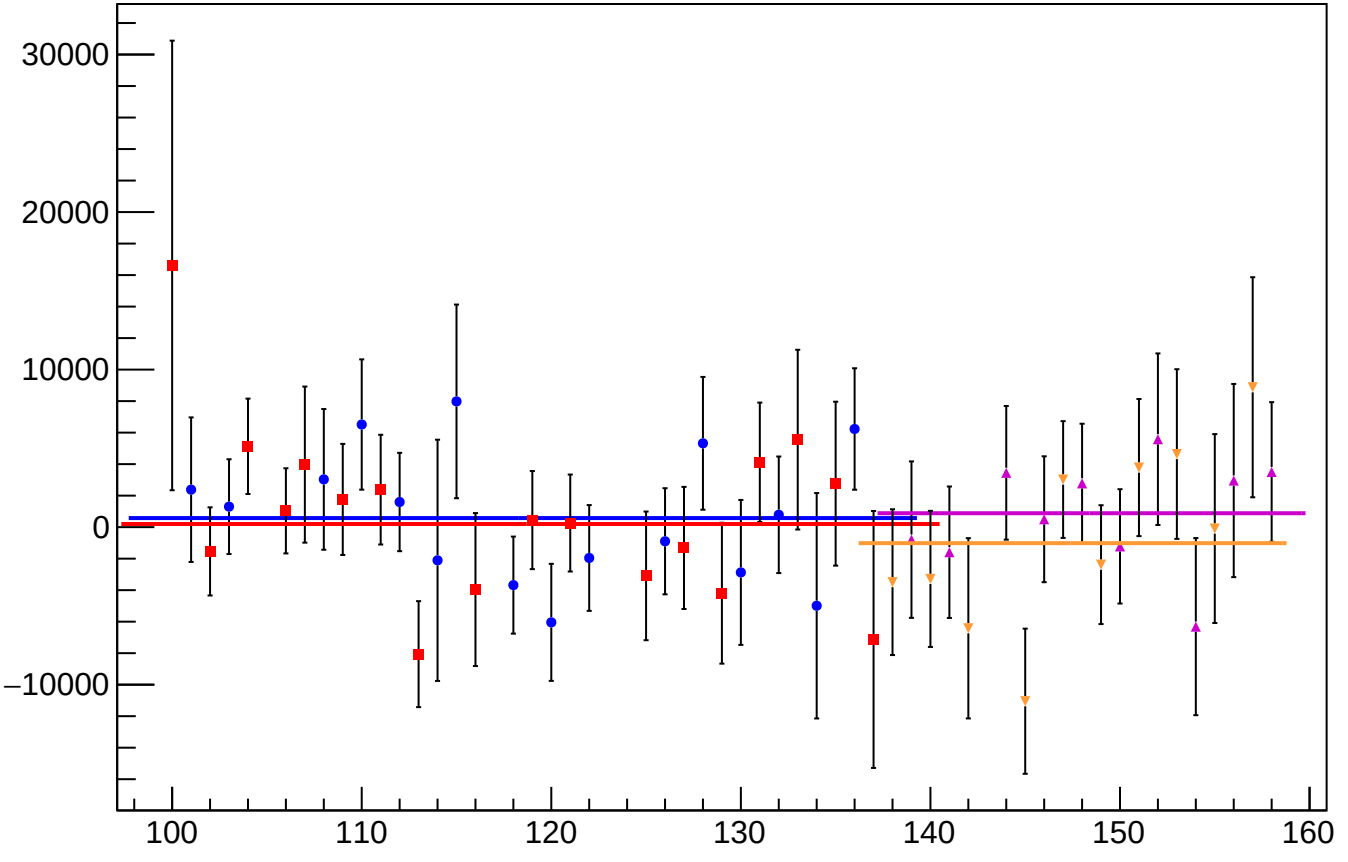
Left In: 1254.674+/-0.301 χ^2/NDF:70957.5/9

+ sign 1008.840+/-0.188 χ^2/NDF: 1470763.7/25

All: 1009.997+/-0.132 χ^2/NDF: 2874544.8/53

- sign 1011.096+/-0.184 χ^2/NDF: 1403707.6/27

asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: -1016.526+/-1479.720 χ^2/NDF:11.9/9

Right Out: 197.953+/-894.121 χ^2/NDF: 17.2/17

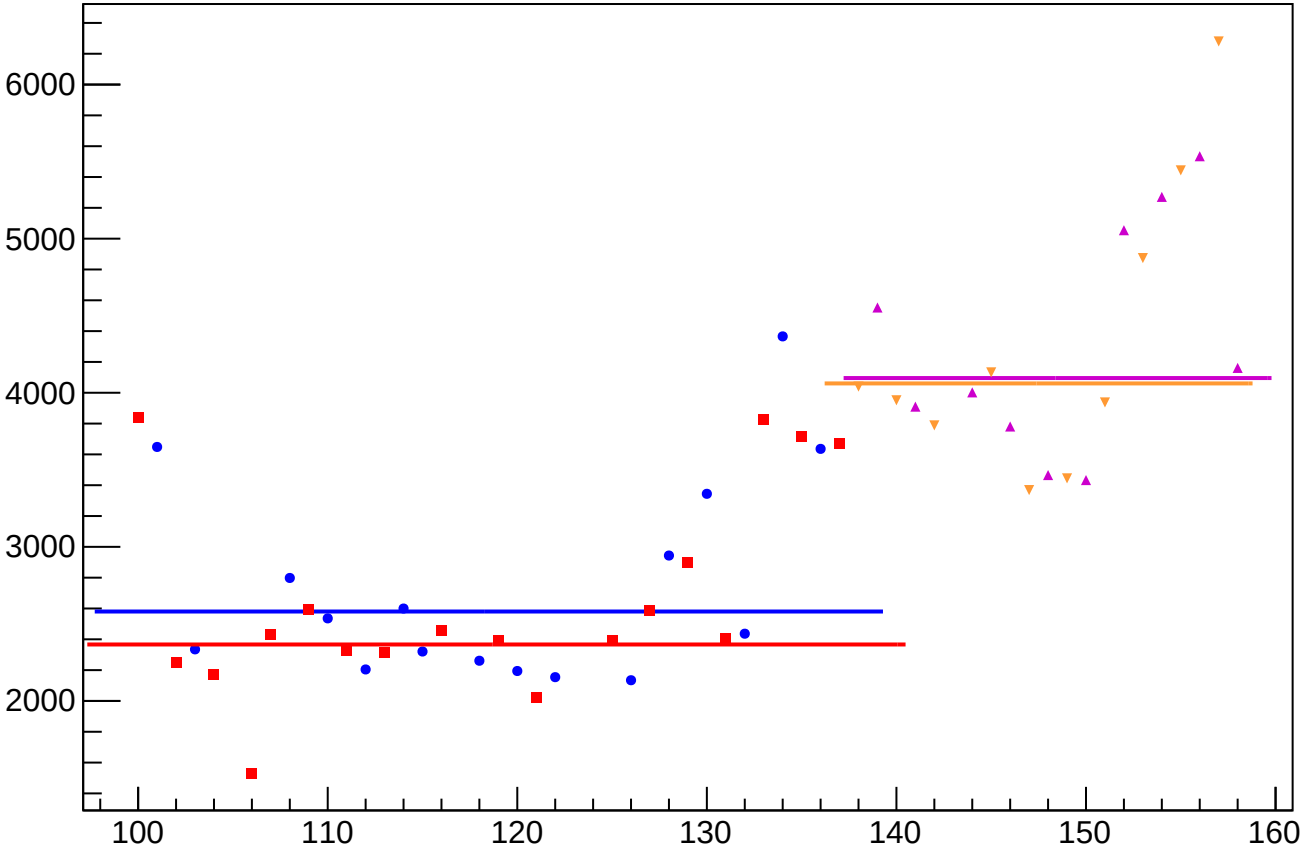
Left In: 883.208+/-1407.491 χ^2/NDF:4.3/9

+ sign 86.582+/-819.883 χ^2/NDF: 27.4/25

All: 253.523+/-555.275 χ^2/NDF: 49.1/53

- sign 394.980+/-754.713 χ^2/NDF: 21.6/27

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 4060.551+/-1.046 χ^2/NDF:484998.7/9

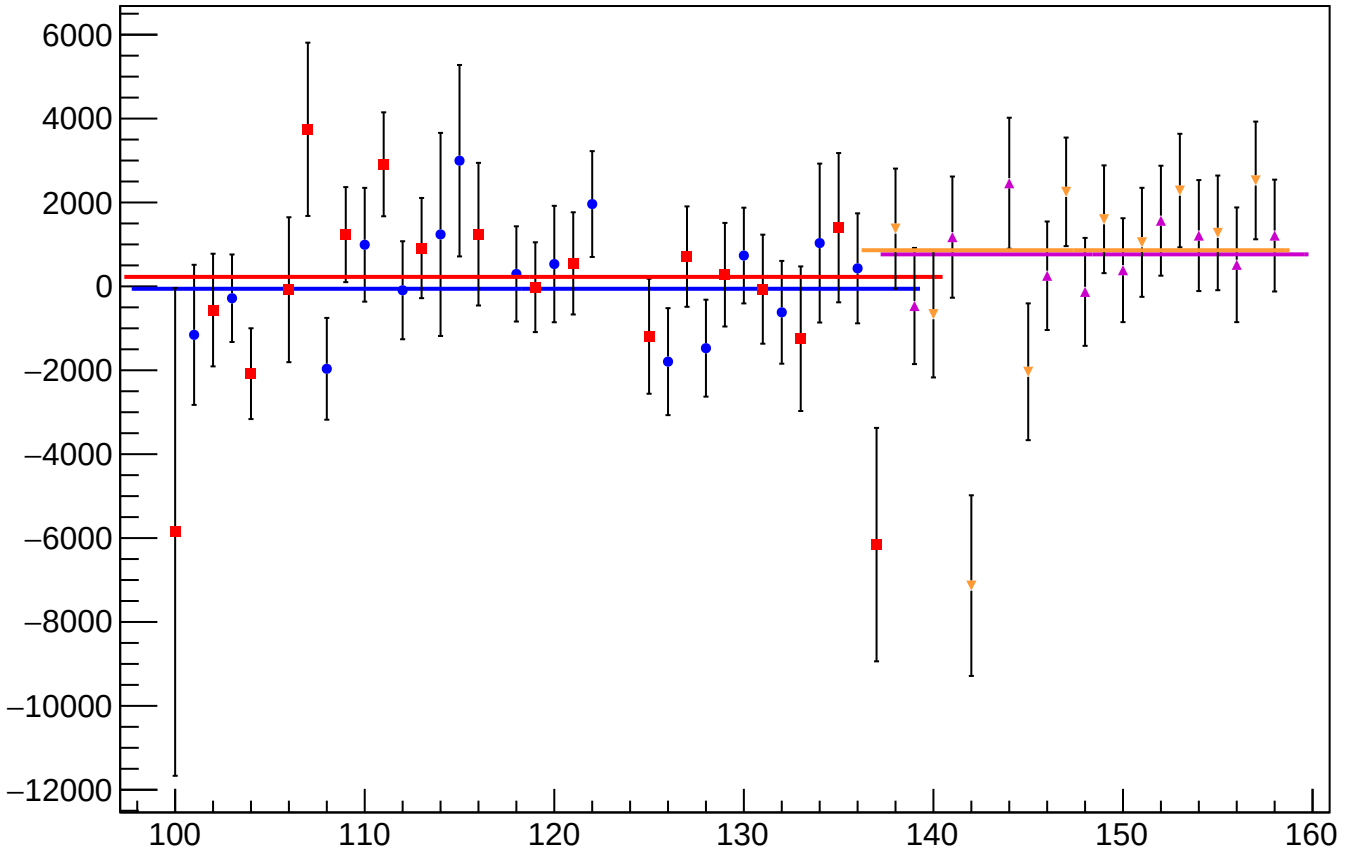
Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

Left In: 4095.419+/-0.995 χ^2/NDF:416392.4/9

+ sign 3034.797+/-0.580 χ^2/NDF: 2488997.7/25

All: 2942.093+/-0.393 χ^2/NDF: 5714640.6/53

- sign 2863.541+/-0.534 χ^2/NDF: 3178407.2/27



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: 861.839+/-451.548 χ^2/NDF:22.2/9

Right Out: 226.078+/-328.069 χ^2/NDF: 22.9/17

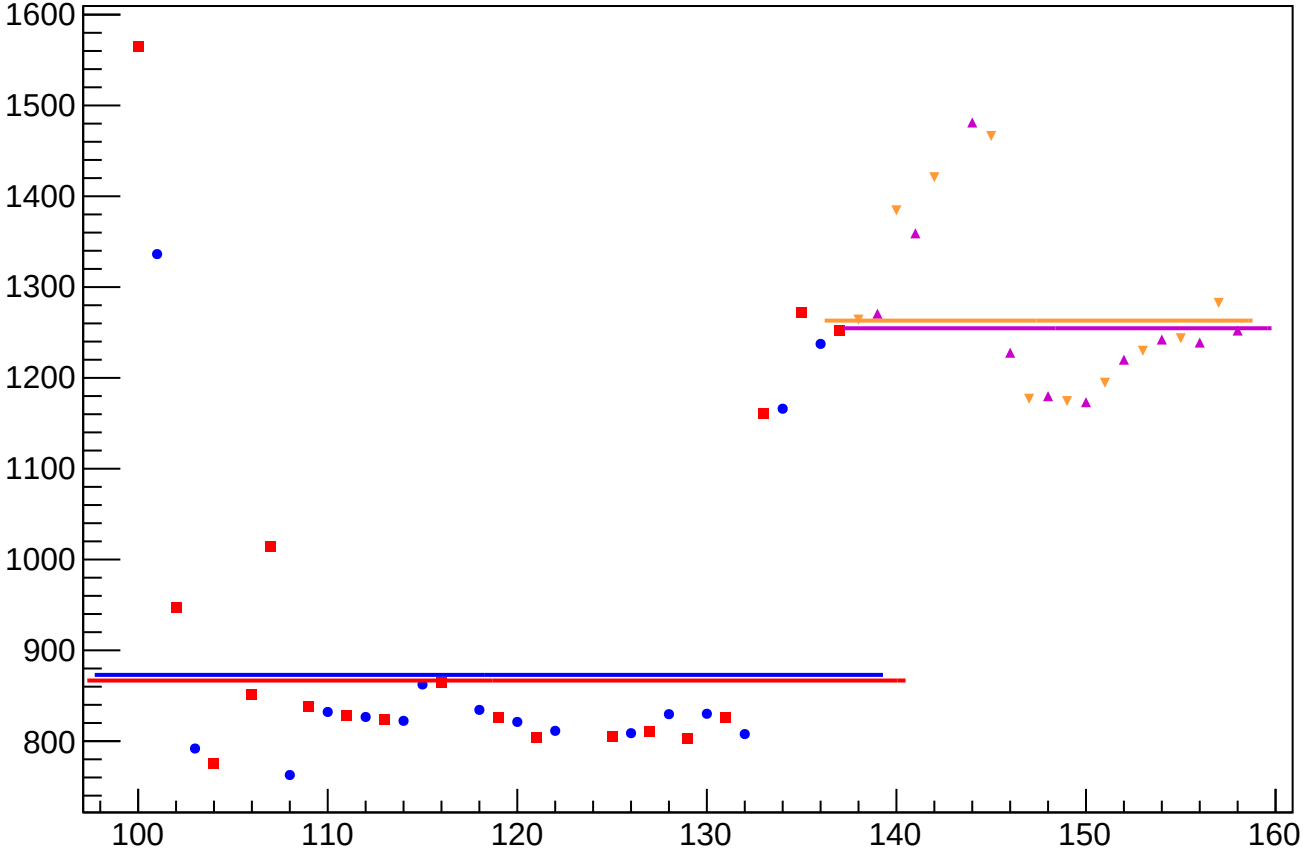
Left In: 763.403+/-425.781 χ^2/NDF:3.4/9

+ sign 262.869+/-266.479 χ^2/NDF: 37.9/25

All: 346.606+/-186.050 χ^2/NDF: 65.4/53

- sign 426.244+/-259.874 χ^2/NDF: 27.3/27

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1263.095+/-0.319 χ^2/NDF:80713.3/9

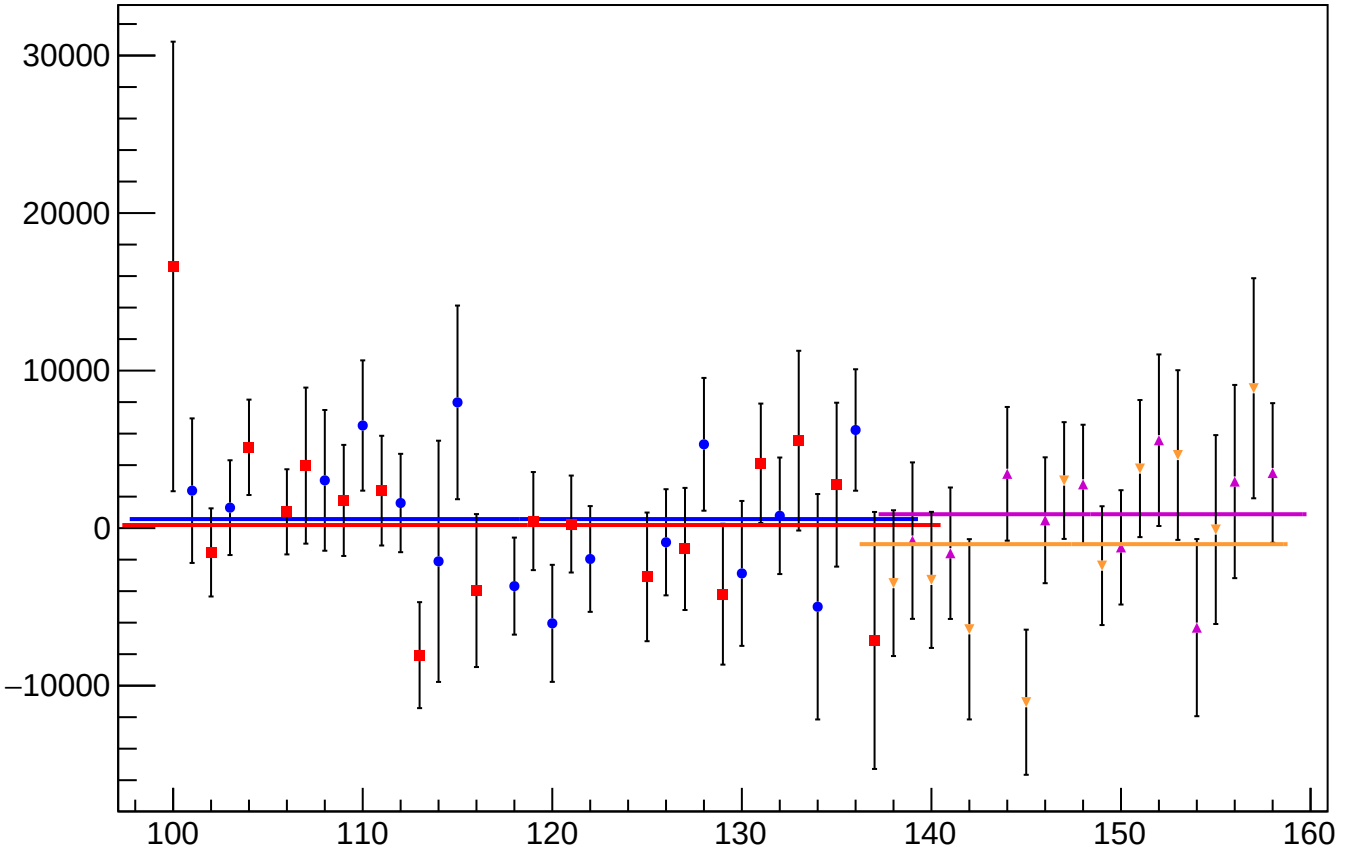
Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1254.675+/-0.301 χ^2/NDF:70958.2/9

+ sign 1008.841+/-0.188 χ^2/NDF: 1470770.0/25

All: 1009.997+/-0.132 χ^2/NDF: 2874557.4/53

- sign 1011.096+/-0.184 χ^2/NDF: 1403714.0/27



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: -1016.527+/-1479.722 χ^2/NDF:11.9/9

Right Out: 197.955+/-894.119 χ^2/NDF: 17.2/17

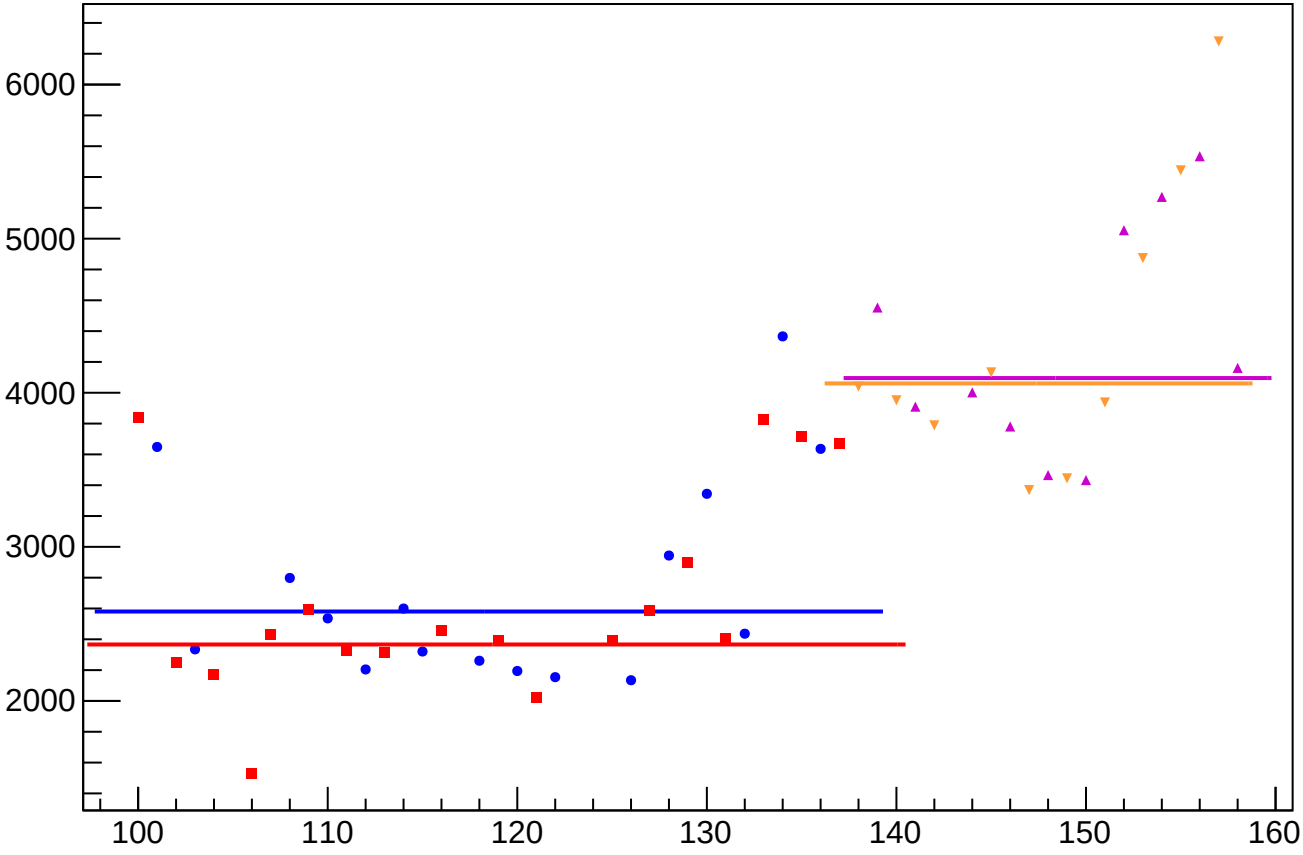
Left In: 883.210+/-1407.493 χ^2/NDF:4.3/9

+ sign 86.581+/-819.882 χ^2/NDF: 27.4/25

All: 253.523+/-555.274 χ^2/NDF: 49.1/53

- sign 394.980+/-754.712 χ^2/NDF: 21.6/27

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 4060.557+/-1.046 χ^2/NDF:485001.6/9

Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

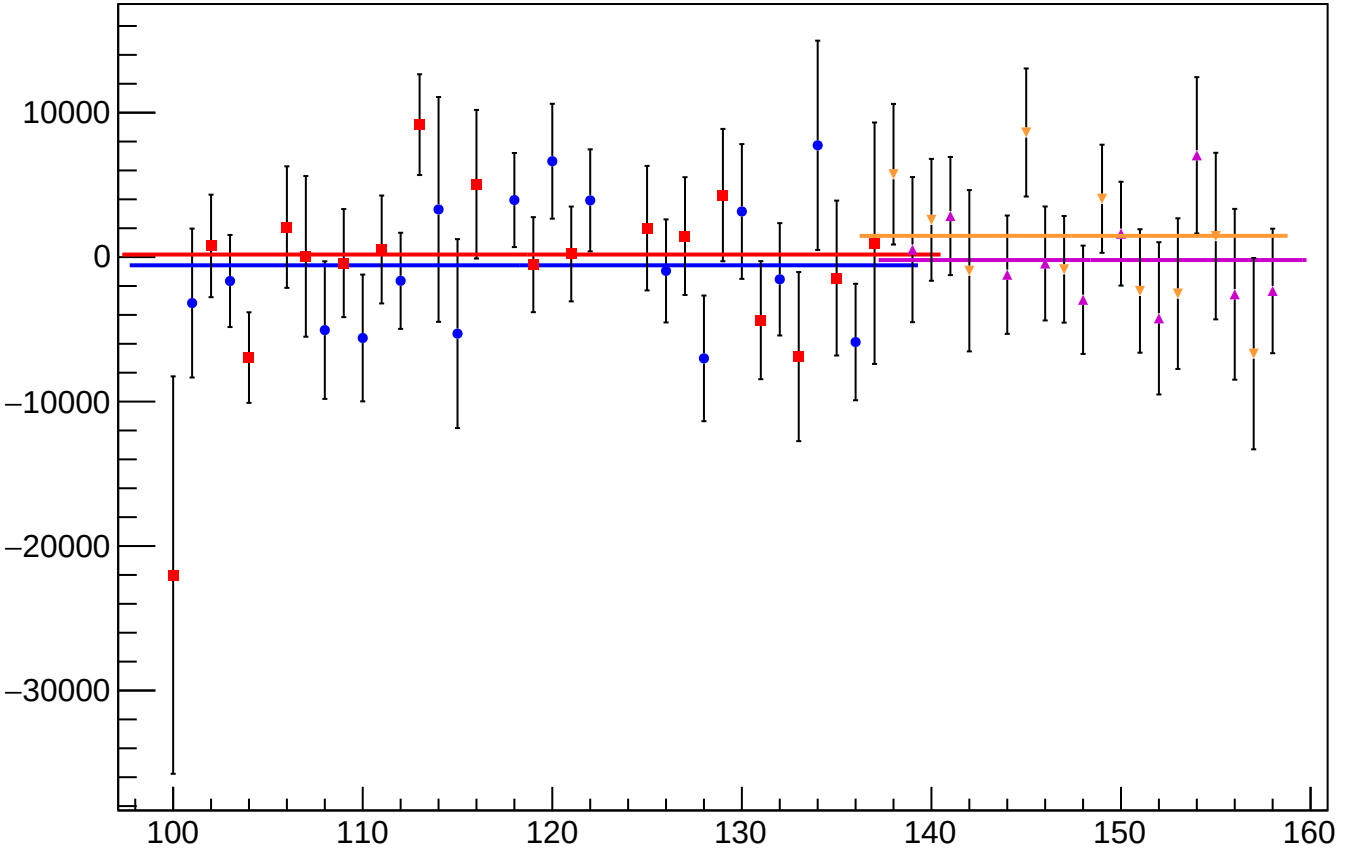
Left In: 4095.424+/-0.995 χ^2/NDF:416396.1/9

+ sign 3034.791+/-0.580 χ^2/NDF: 2489033.5/25

All: 2942.087+/-0.393 χ^2/NDF: 5714712.4/53

- sign 2863.535+/-0.534 χ^2/NDF: 3178443.3/27

asym_usl_atl2_dd_mean vs Slug



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 1472.438+/-1457.613 χ^2/NDF:7.4/9

Right Out: 178.586+/-988.392 χ^2/NDF: 19.5/17

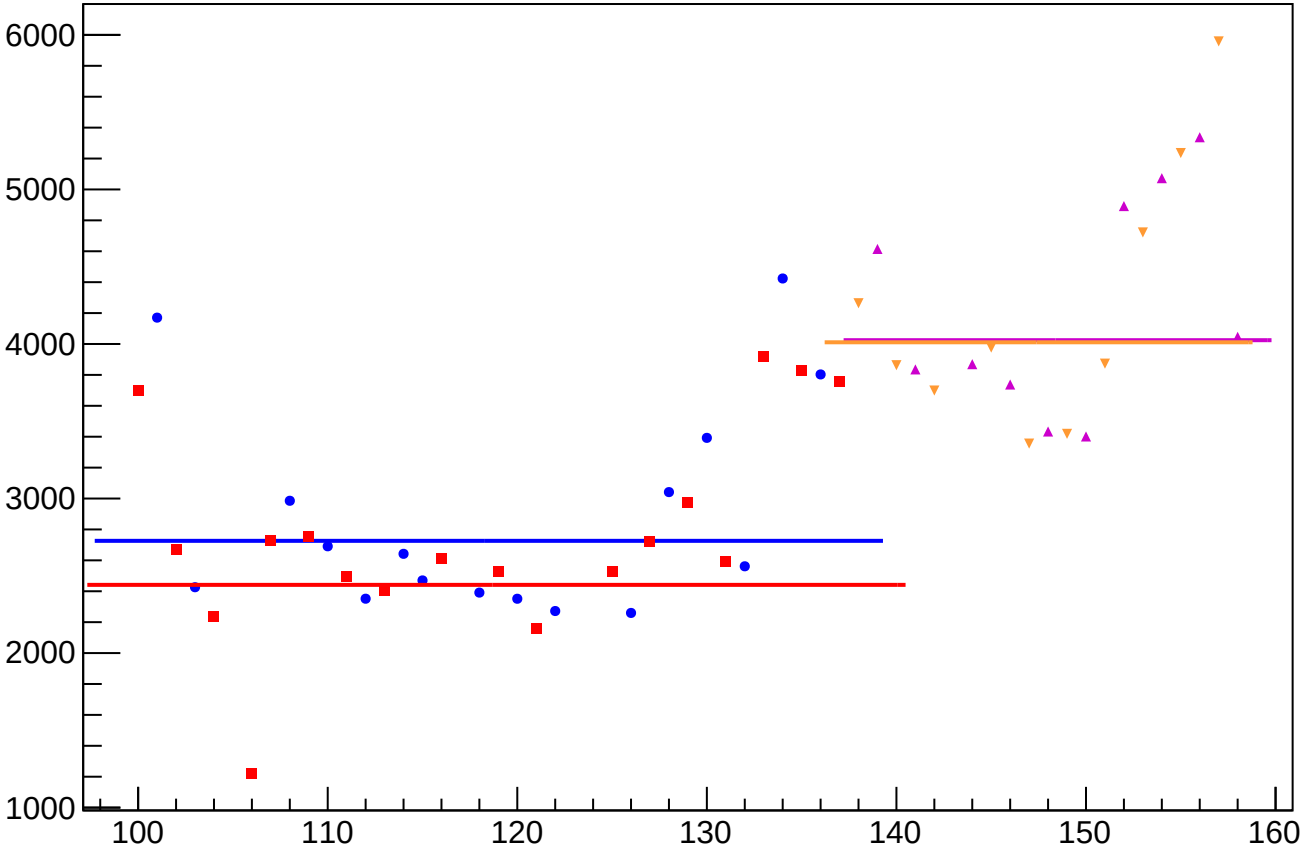
Left In: -202.571+/-1380.818 χ^2/NDF:4.2/9

+ sign 121.863+/-846.768 χ^2/NDF: 24.9/25

All: 83.771+/-582.937 χ^2/NDF: 48.7/53

- sign 49.455+/-803.711 χ^2/NDF: 23.8/27

asym_usl_atl2_dd_rms vs Slug



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 4010.992+/-1.031 χ^2/NDF:429787.4/9

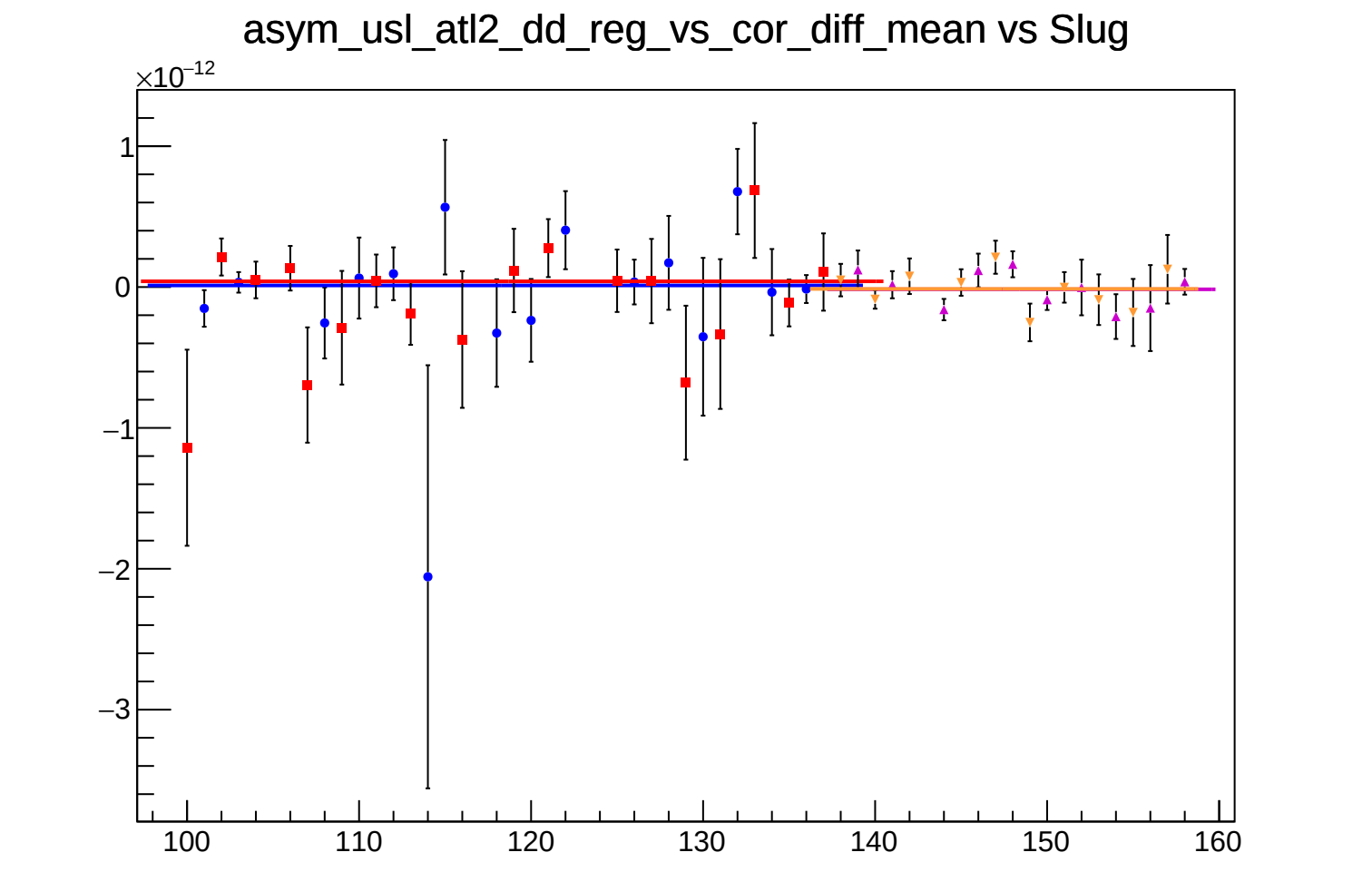
Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 4024.547+/-0.976 χ^2/NDF:383207.0/9

+ sign 3159.808+/-0.599 χ^2/NDF: 2082283.8/25

All: 3043.468+/-0.405 χ^2/NDF: 5219037.4/53

- sign 2945.044+/-0.551 χ^2/NDF: 3067059.9/27



Right In: 0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.1/9

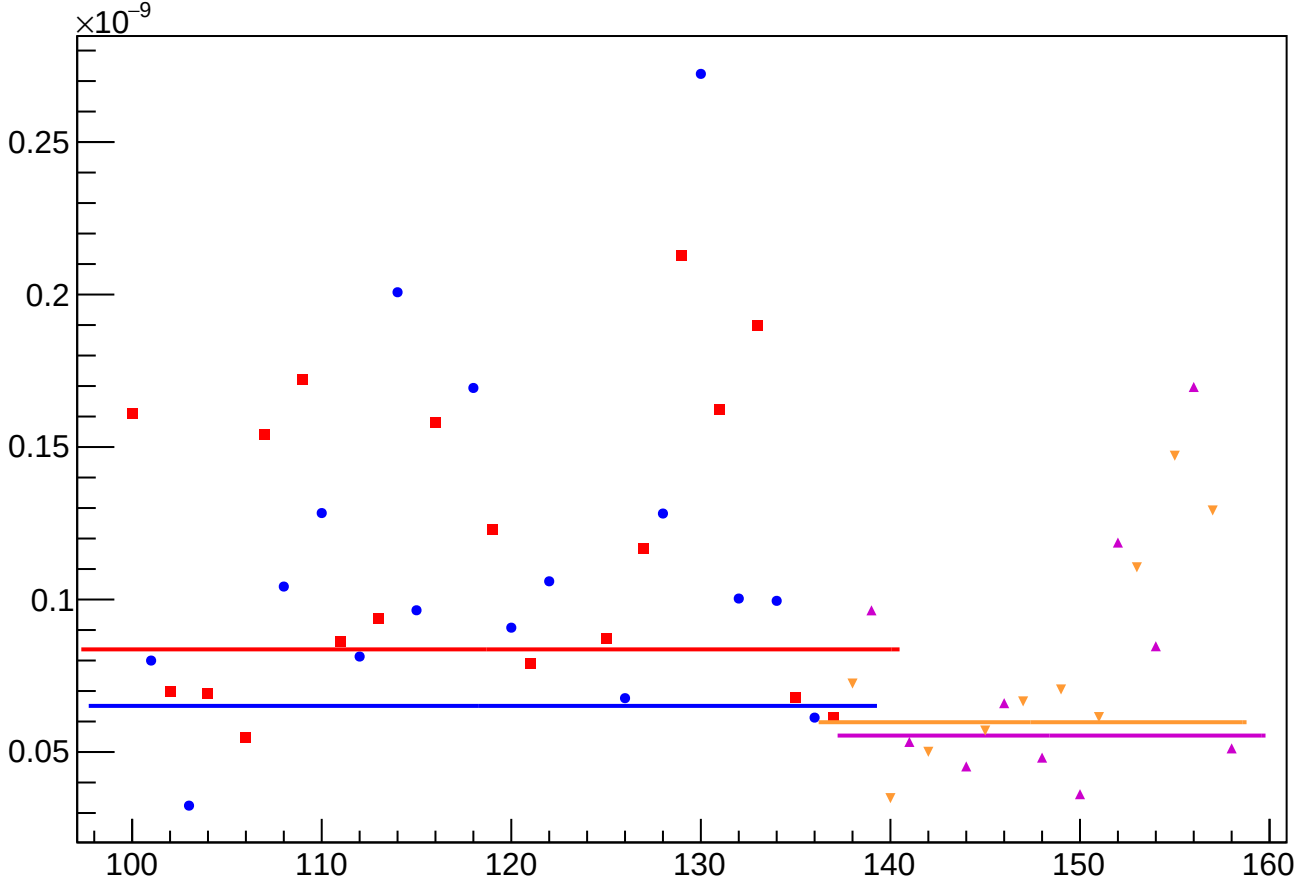
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/17

Left In: -0.000+/-0.000 χ^2/NDF:12.7/9

+ sign -0.000+/-0.000 χ^2/NDF: 25.7/25

All: -0.000+/-0.000 χ^2/NDF: 56.2/53

- sign -0.000+/-0.000 χ^2/NDF: 30.5/27



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:926778.3/9

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

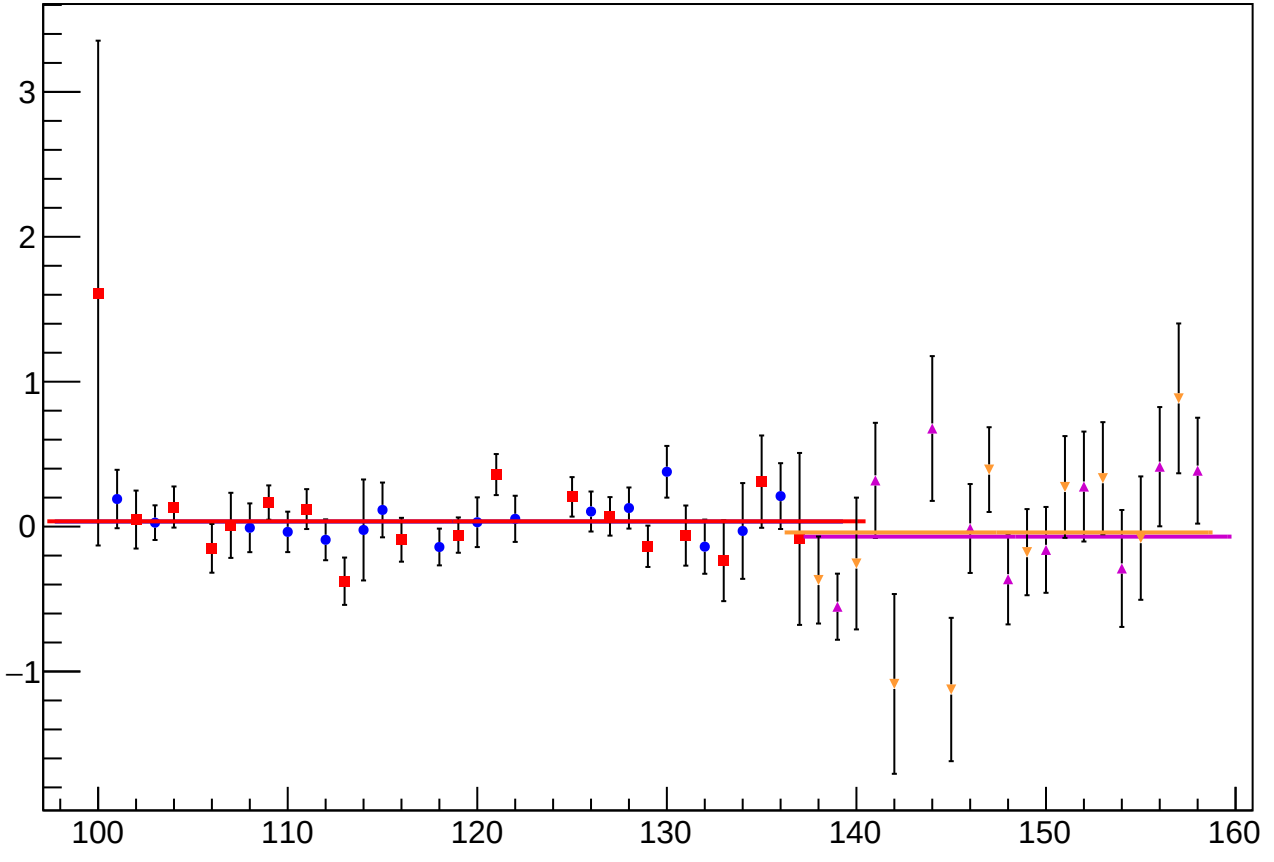
Left In: 0.000+/-0.000 χ^2/NDF:939702.1/9

+ sign 0.000+/-0.000 χ^2/NDF: 2166927.6/25

All: 0.000+/-0.000 χ^2/NDF: 4204977.1/53

- sign 0.000+/-0.000 χ^2/NDF: 2035735.2/27

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.040+/-0.120 χ^2/NDF:16.4/9

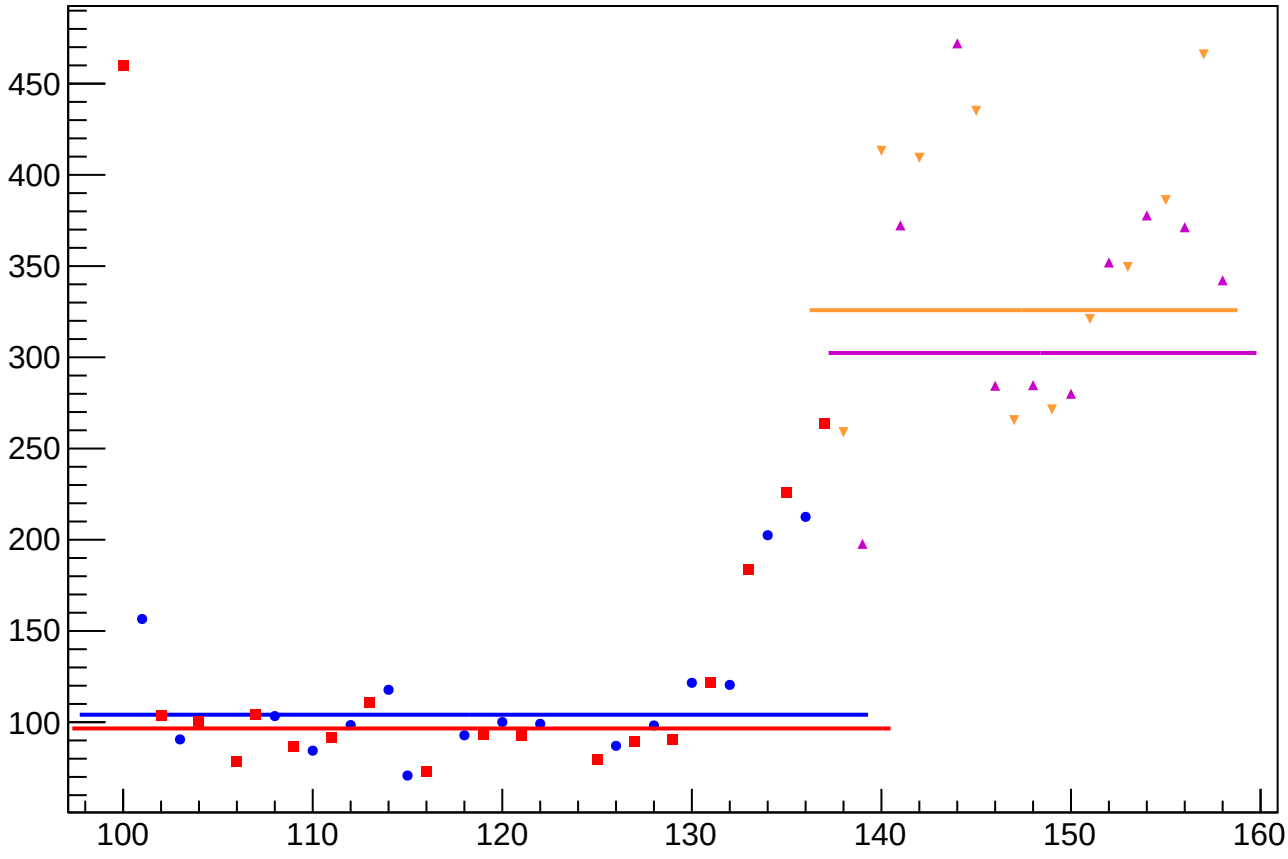
Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: -0.069+/-0.106 χ^2/NDF:12.7/9

+ sign 0.027+/-0.039 χ^2/NDF: 26.5/25

All: 0.025+/-0.027 χ^2/NDF: 62.2/53

- sign 0.024+/-0.037 χ^2/NDF: 35.7/27



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 325.835+/-0.085 χ^2/NDF:653846.1/9

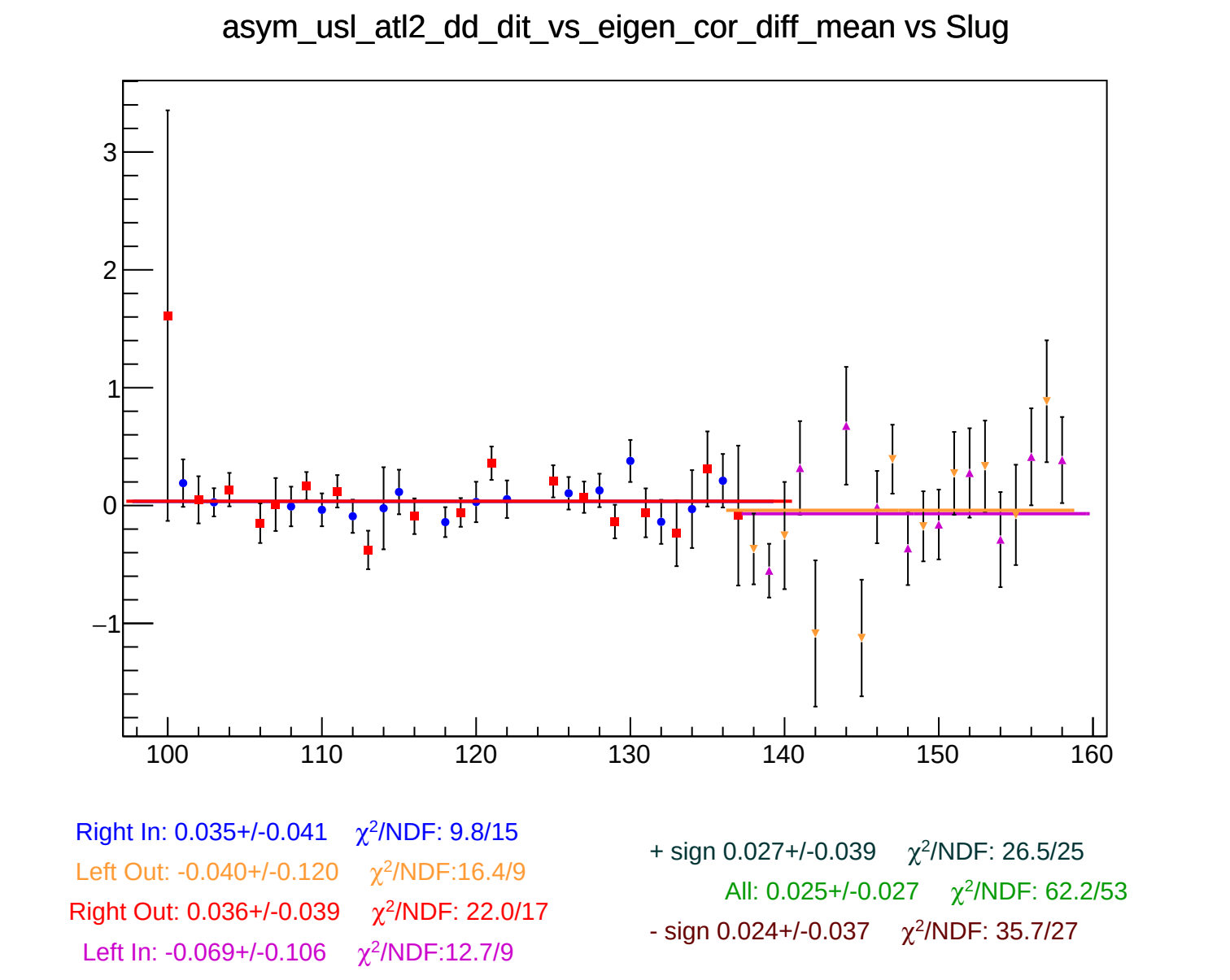
Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

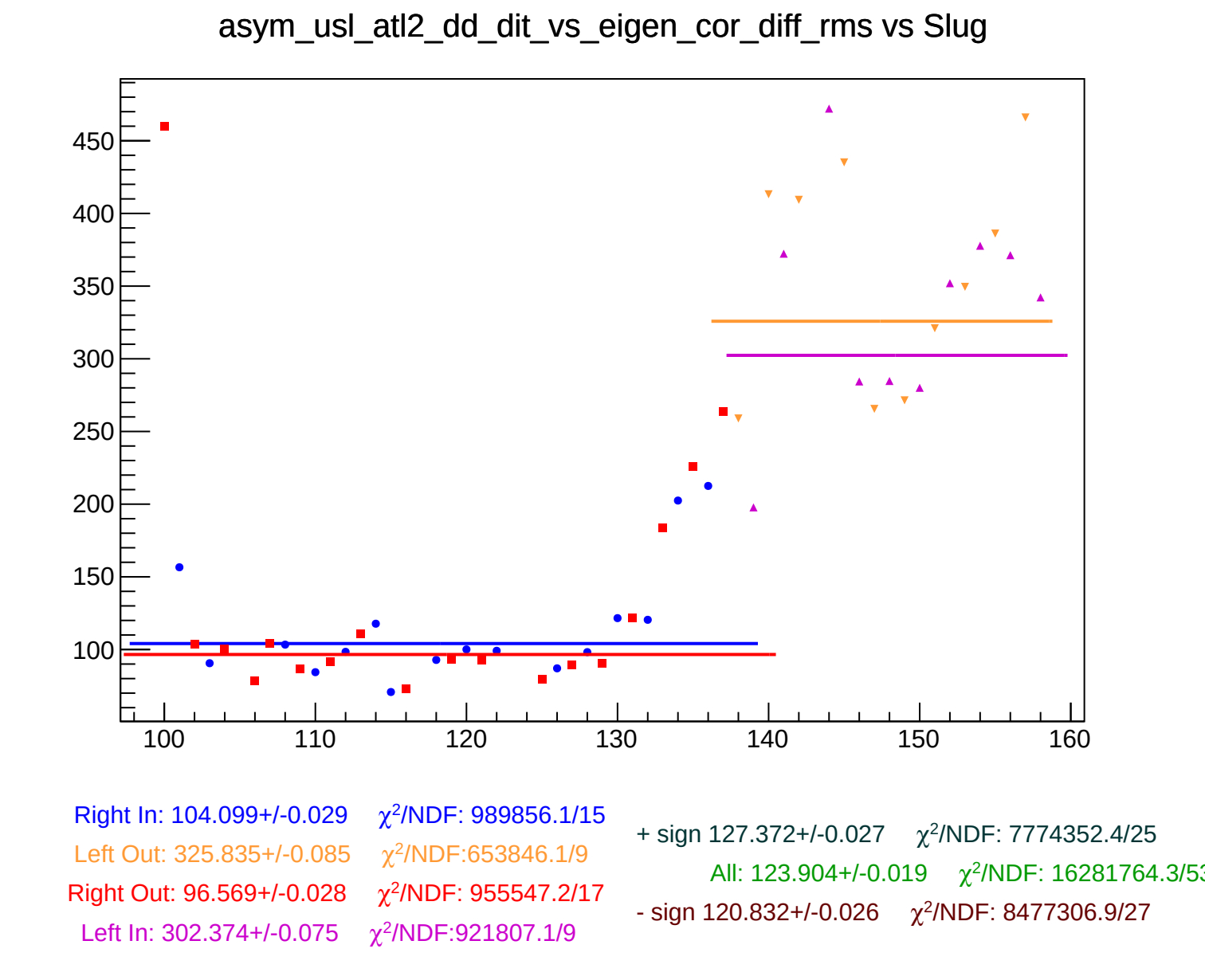
Left In: 302.374+/-0.075 χ^2/NDF:921807.1/9

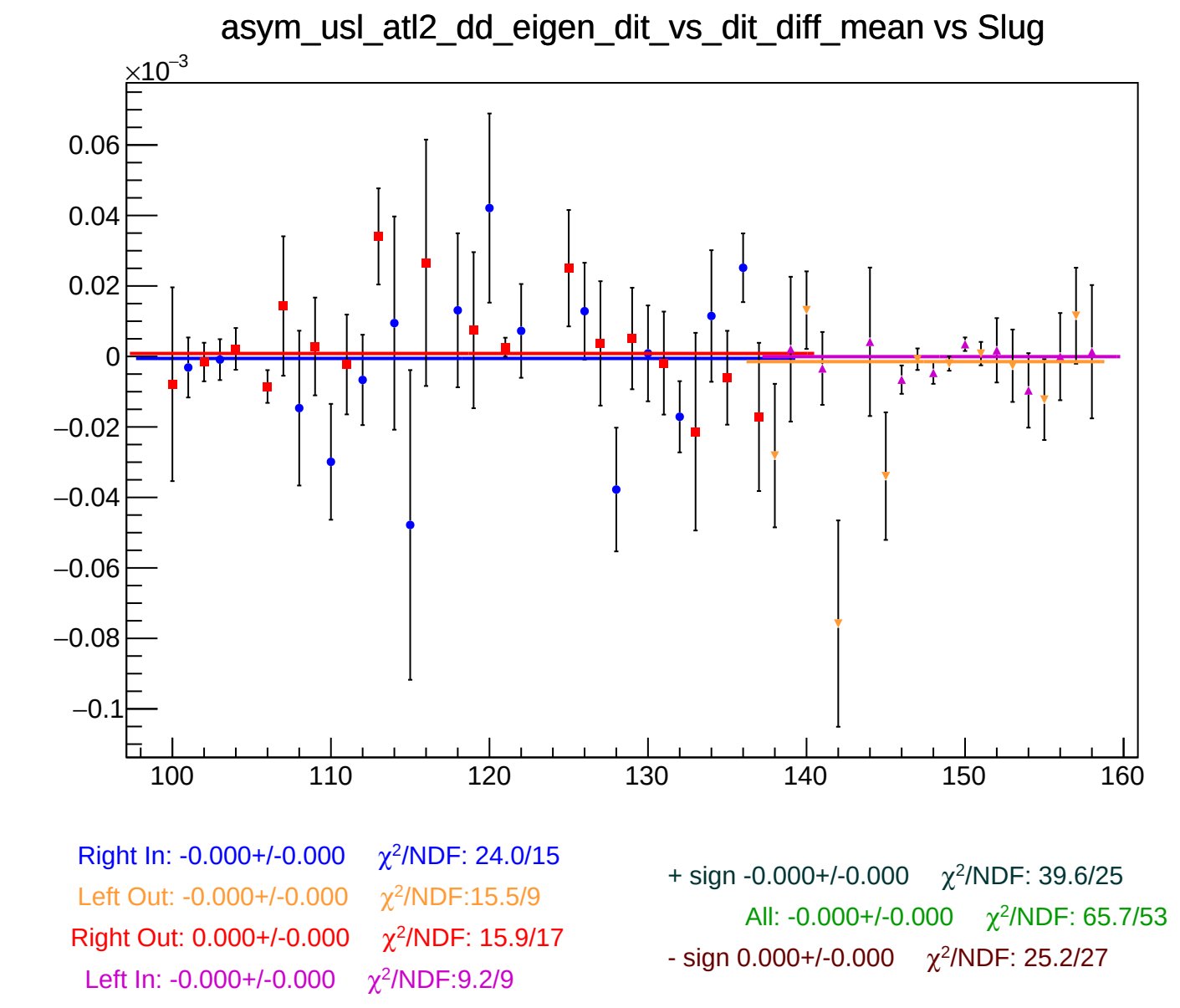
+ sign 127.372+/-0.027 χ^2/NDF: 7774352.4/25

All: 123.904+/-0.019 χ^2/NDF: 16281764.3/53

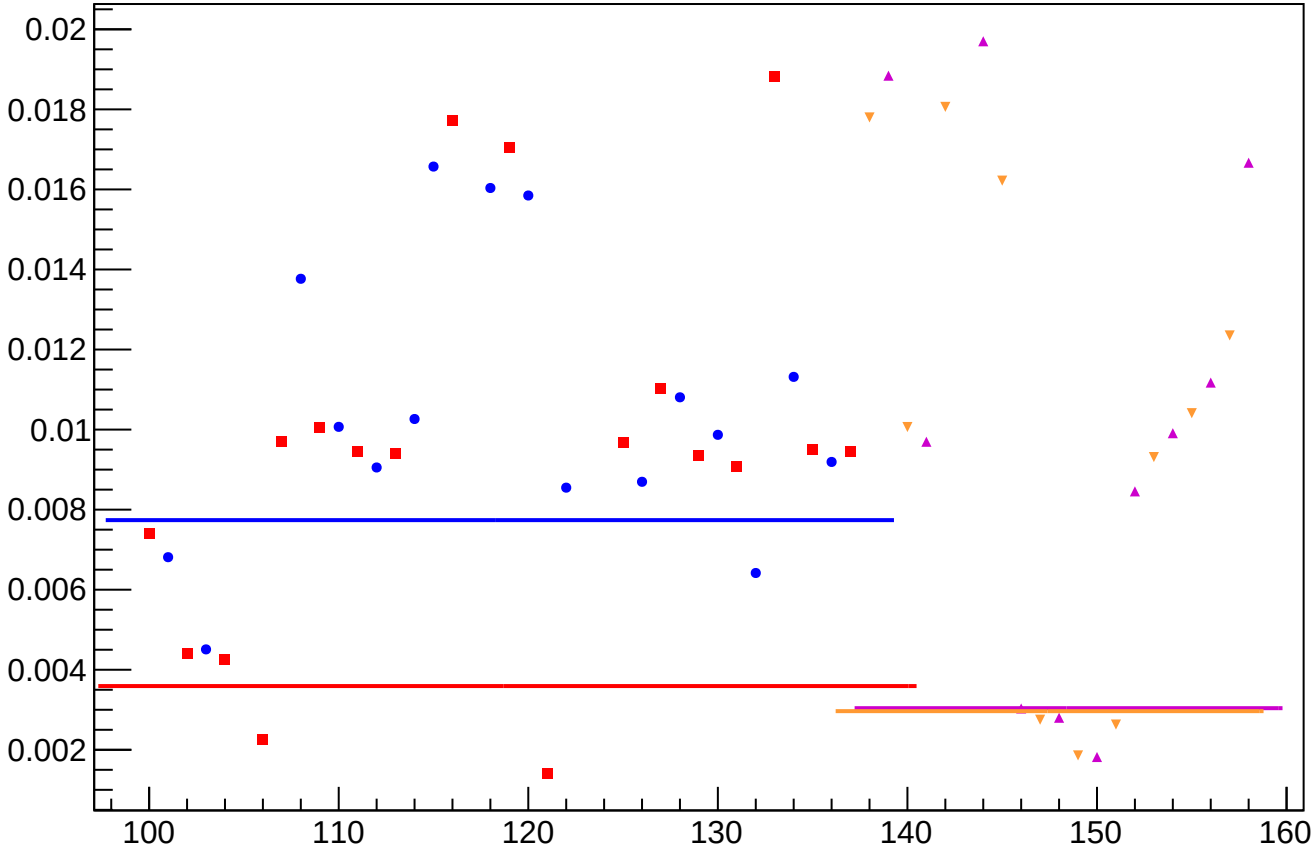
- sign 120.832+/-0.026 χ^2/NDF: 8477306.9/27


asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
100
110
120
130
140
150
160
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: -0.040+/-0.120 χ²/NDF:16.4/9
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.069+/-0.106 χ²/NDF:12.7/9
+ sign 0.027+/-0.039 χ²/NDF: 26.5/25
All: 0.025+/-0.027 χ²/NDF: 62.2/53
- sign 0.024+/-0.037 χ²/NDF: 35.7/27


asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs Slug
450
400
350
300
250
200
150
100
100
110
120
130
140
150
160
Right In: 104.099+/-0.029 χ²/NDF: 989856.1/15
Left Out: 325.835+/-0.085 χ²/NDF:653846.1/9
Right Out: 96.569+/-0.028 χ²/NDF: 955547.2/17
Left In: 302.374+/-0.075 χ²/NDF:921807.1/9
+ sign 127.372+/-0.027 χ²/NDF: 7774352.4/25
All: 123.904+/-0.019 χ²/NDF: 16281764.3/53
- sign 120.832+/-0.026 χ²/NDF: 8477306.9/27


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 24.0/15
Left Out: -0.000+/-0.000 χ²/NDF:15.5/9
Right Out: 0.000+/-0.000 χ²/NDF: 15.9/17
Left In: -0.000+/-0.000 χ²/NDF:9.2/9
+ sign -0.000+/-0.000 χ²/NDF: 39.6/25
All: -0.000+/-0.000 χ²/NDF: 65.7/53
- sign 0.000+/-0.000 χ²/NDF: 25.2/27

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 1701473.5/15

Left Out: 0.003+/-0.000 χ^2/NDF:6675332.3/9

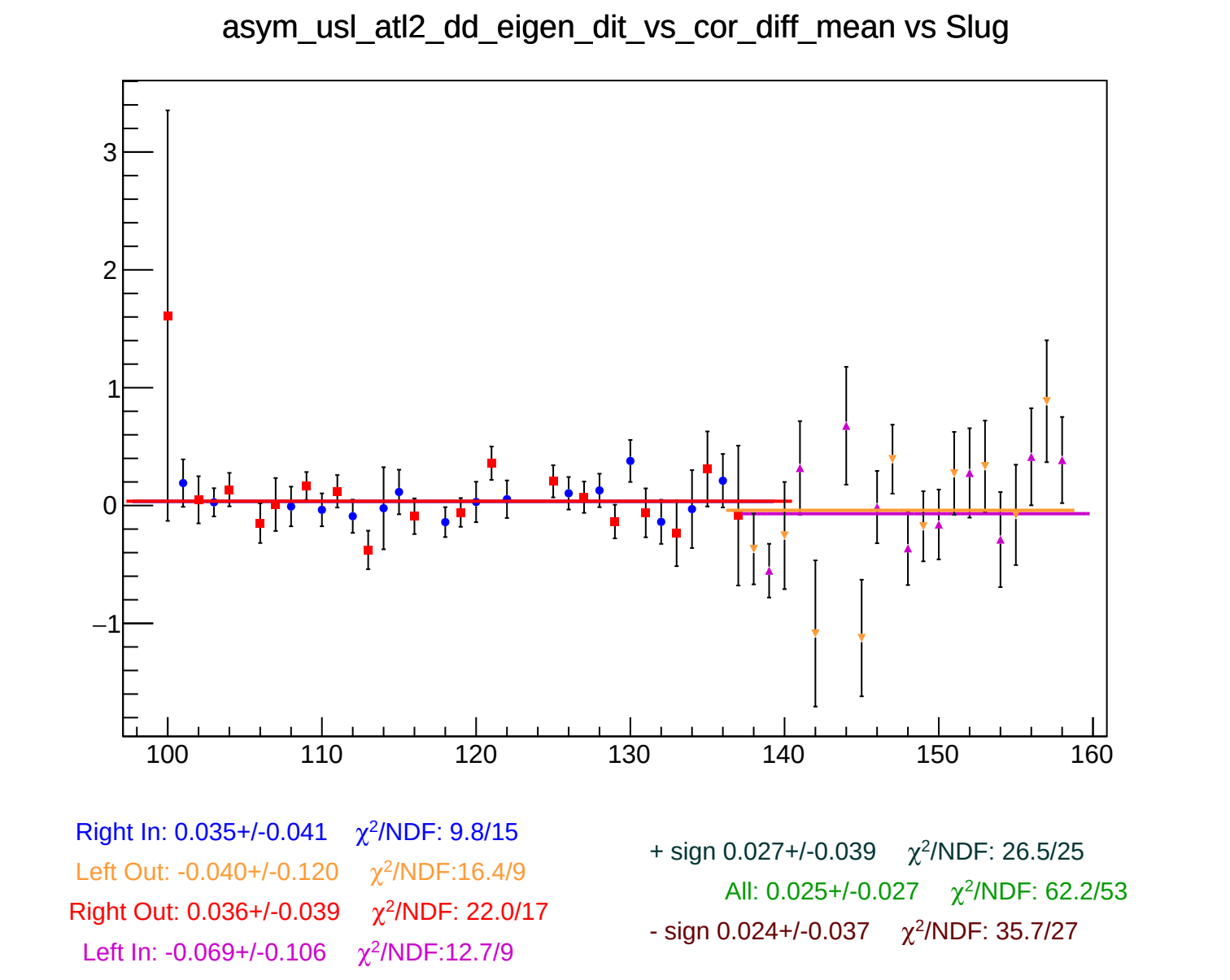
Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

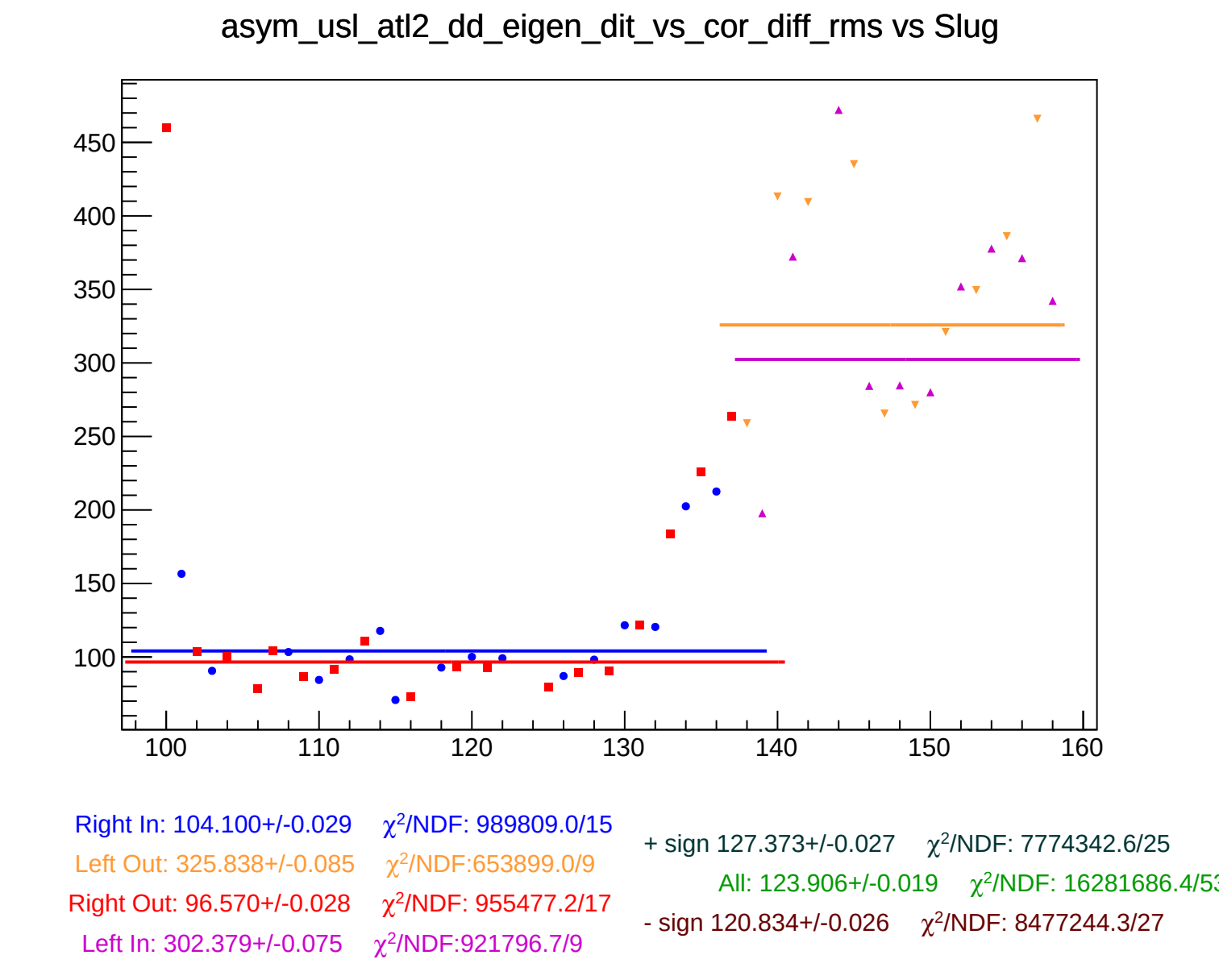
Left In: 0.003+/-0.000 χ^2/NDF:7531546.5/9

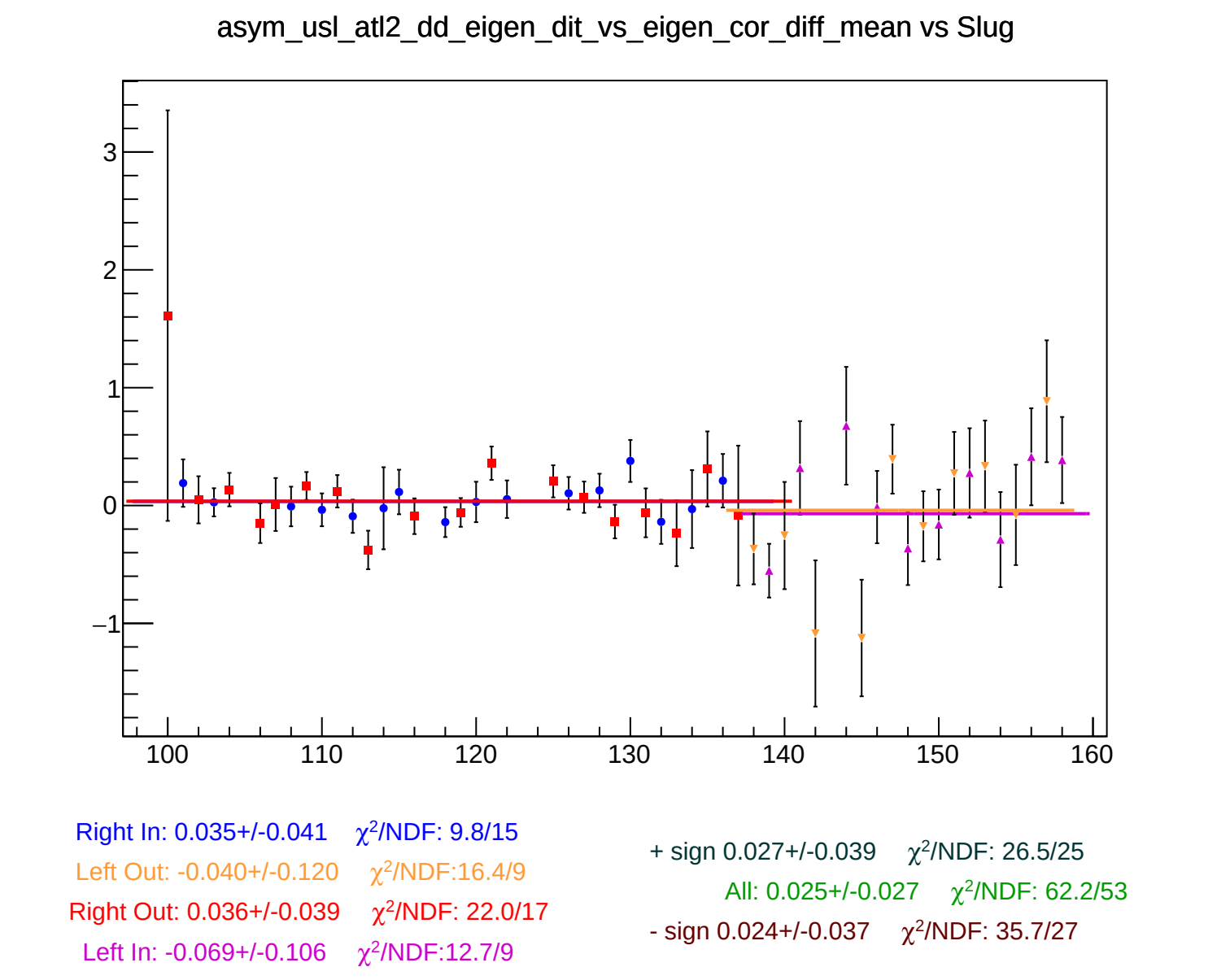
+ sign 0.004+/-0.000 χ^2/NDF: 12243158.3/25

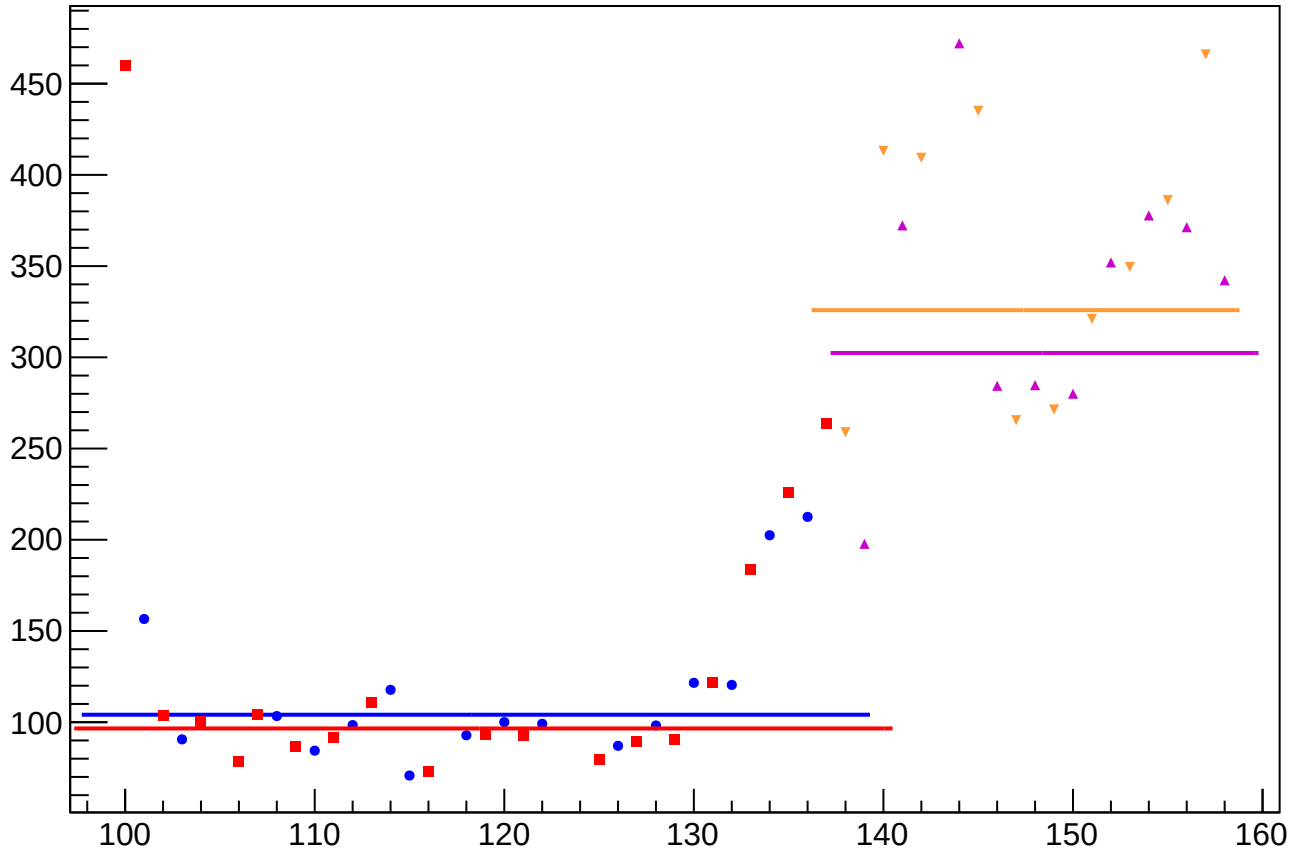
All: 0.003+/-0.000 χ^2/NDF: 26463355.1/53

- sign 0.003+/-0.000 χ^2/NDF: 14007904.7/27


asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
100
110
120
130
140
150
160
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: -0.040+/-0.120 χ²/NDF:16.4/9
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.069+/-0.106 χ²/NDF:12.7/9
+ sign 0.027+/-0.039 χ²/NDF: 26.5/25
All: 0.025+/-0.027 χ²/NDF: 62.2/53
- sign 0.024+/-0.037 χ²/NDF: 35.7/27


asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs Slug
450
400
350
300
250
200
150
100
100
110
120
130
140
150
160
Right In: 104.100+/-0.029 χ²/NDF: 989809.0/15
Left Out: 325.838+/-0.085 χ²/NDF:653899.0/9
Right Out: 96.570+/-0.028 χ²/NDF: 955477.2/17
Left In: 302.379+/-0.075 χ²/NDF:921796.7/9
+ sign 127.373+/-0.027 χ²/NDF: 7774342.6/25
All: 123.906+/-0.019 χ²/NDF: 16281686.4/53
- sign 120.834+/-0.026 χ²/NDF: 8477244.3/27


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
100
110
120
130
140
150
160
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: -0.040+/-0.120 χ²/NDF:16.4/9
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.069+/-0.106 χ²/NDF:12.7/9
+ sign 0.027+/-0.039 χ²/NDF: 26.5/25
All: 0.025+/-0.027 χ²/NDF: 62.2/53
- sign 0.024+/-0.037 χ²/NDF: 35.7/27



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 325.838+/-0.085 χ^2/NDF:653899.0/9

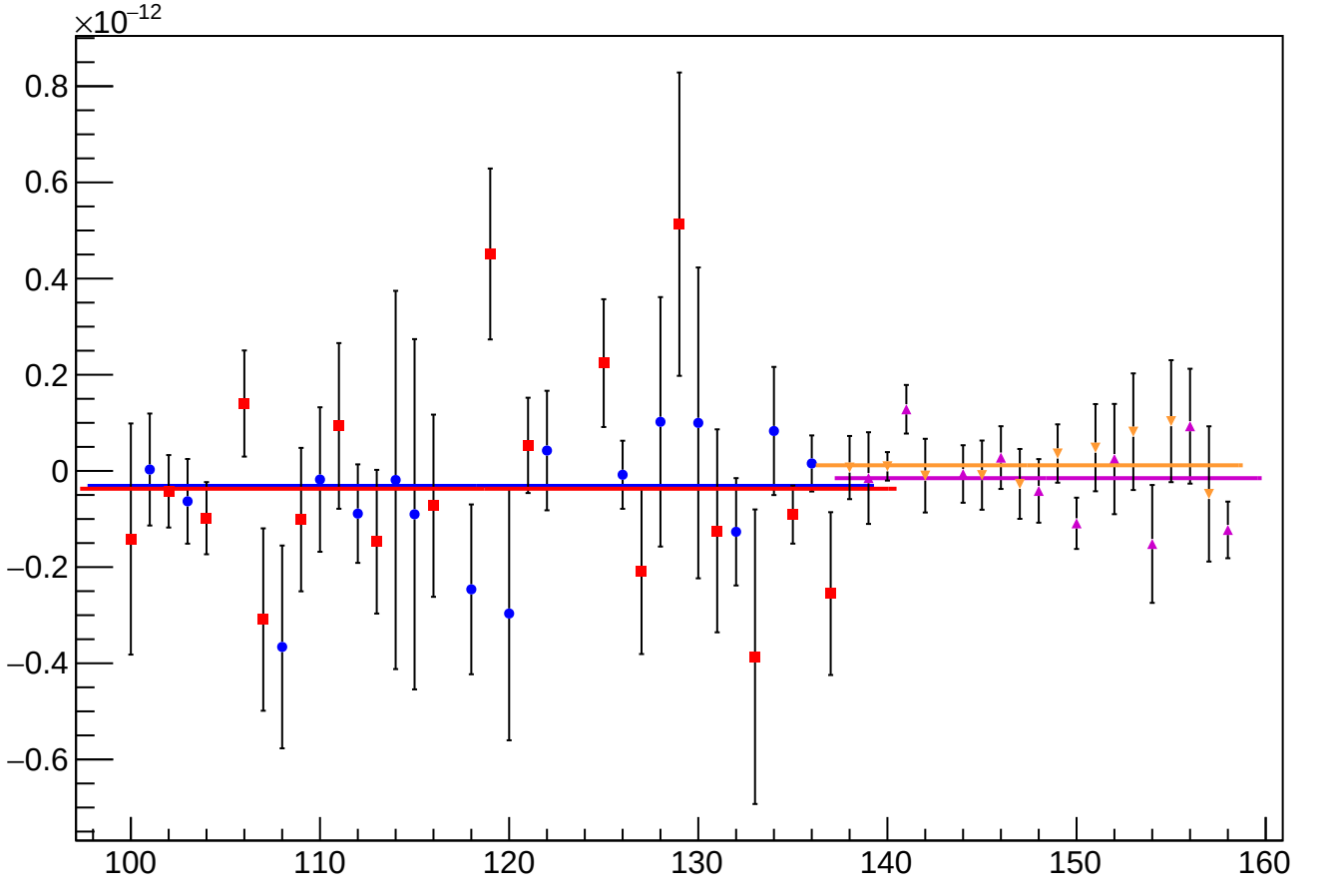
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 302.379+/-0.075 χ^2/NDF:921796.7/9

+ sign 127.373+/-0.027 χ^2/NDF: 7774342.6/25

All: 123.906+/-0.019 χ^2/NDF: 16281686.4/53

- sign 120.834+/-0.026 χ^2/NDF: 8477244.3/27



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.8/9

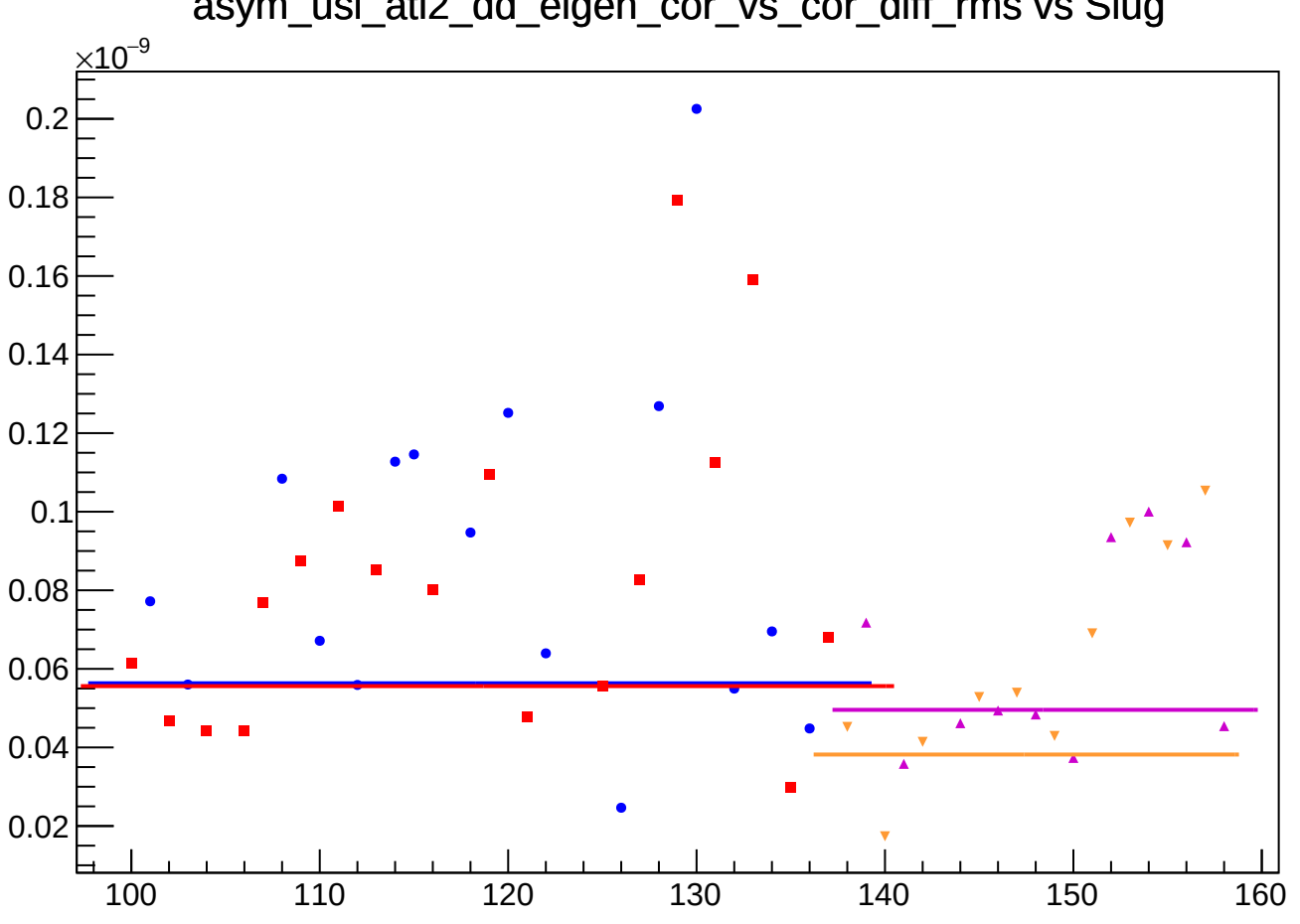
Right Out: -0.000+/-0.000 χ^2/NDF: 27.0/17

Left In: -0.000+/-0.000 χ^2/NDF:17.3/9

+ sign -0.000+/-0.000 χ^2/NDF: 11.8/25

All: -0.000+/-0.000 χ^2/NDF: 57.3/53

- sign -0.000+/-0.000 χ^2/NDF: 44.7/27



Right In: 0.000+/-0.000 χ^2/NDF: 1582688.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:2717579.9/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1767462.9/17

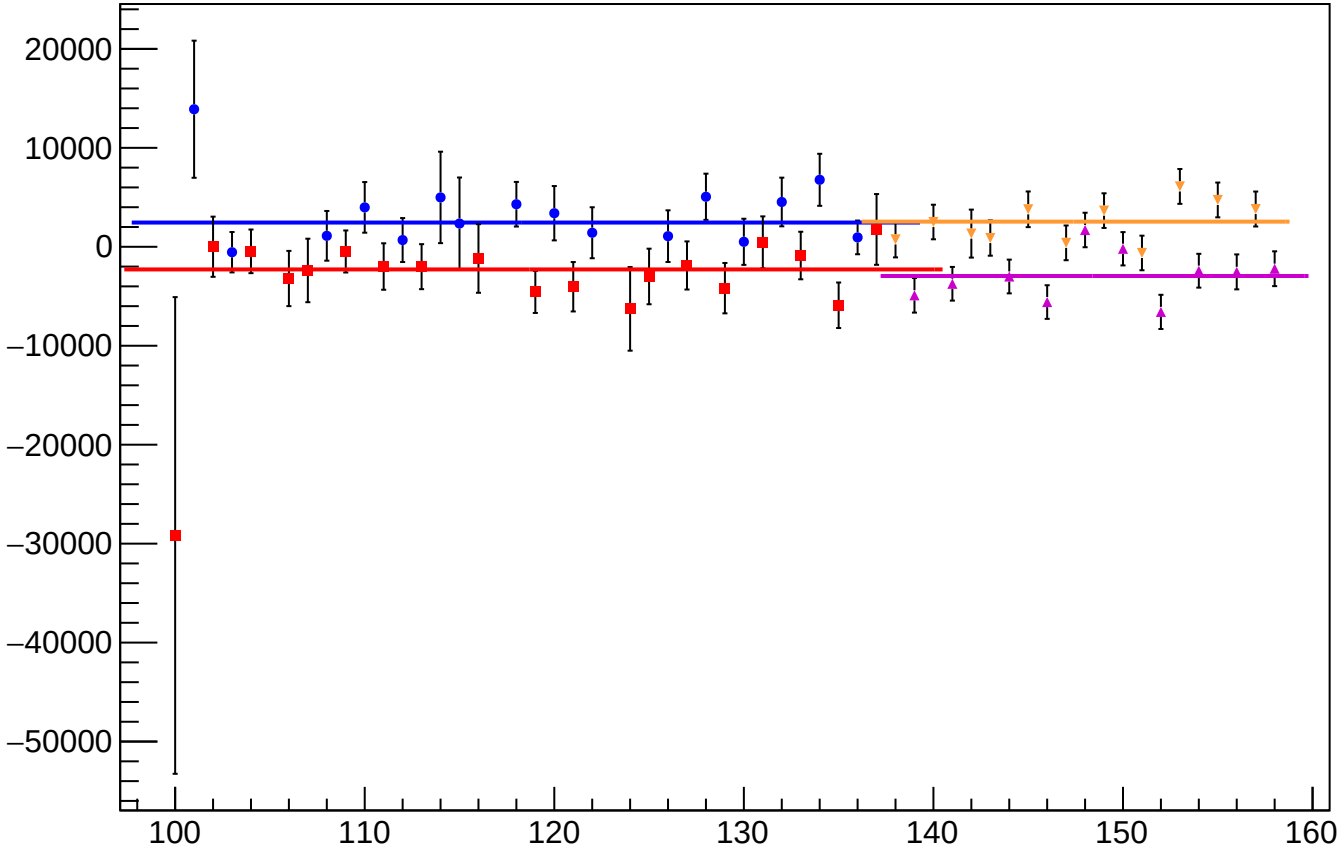
Left In: 0.000+/-0.000 χ^2/NDF:1267014.2/9

+ sign 0.000+/-0.000 χ^2/NDF: 4816989.0/25

All: 0.000+/-0.000 χ^2/NDF: 8123088.0/53

- sign 0.000+/-0.000 χ^2/NDF: 3090549.3/27

reg_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2542.624+/-544.963 χ^2/NDF:13.9/10

Right Out: -2286.573+/-609.157 χ^2/NDF: 11.8/18

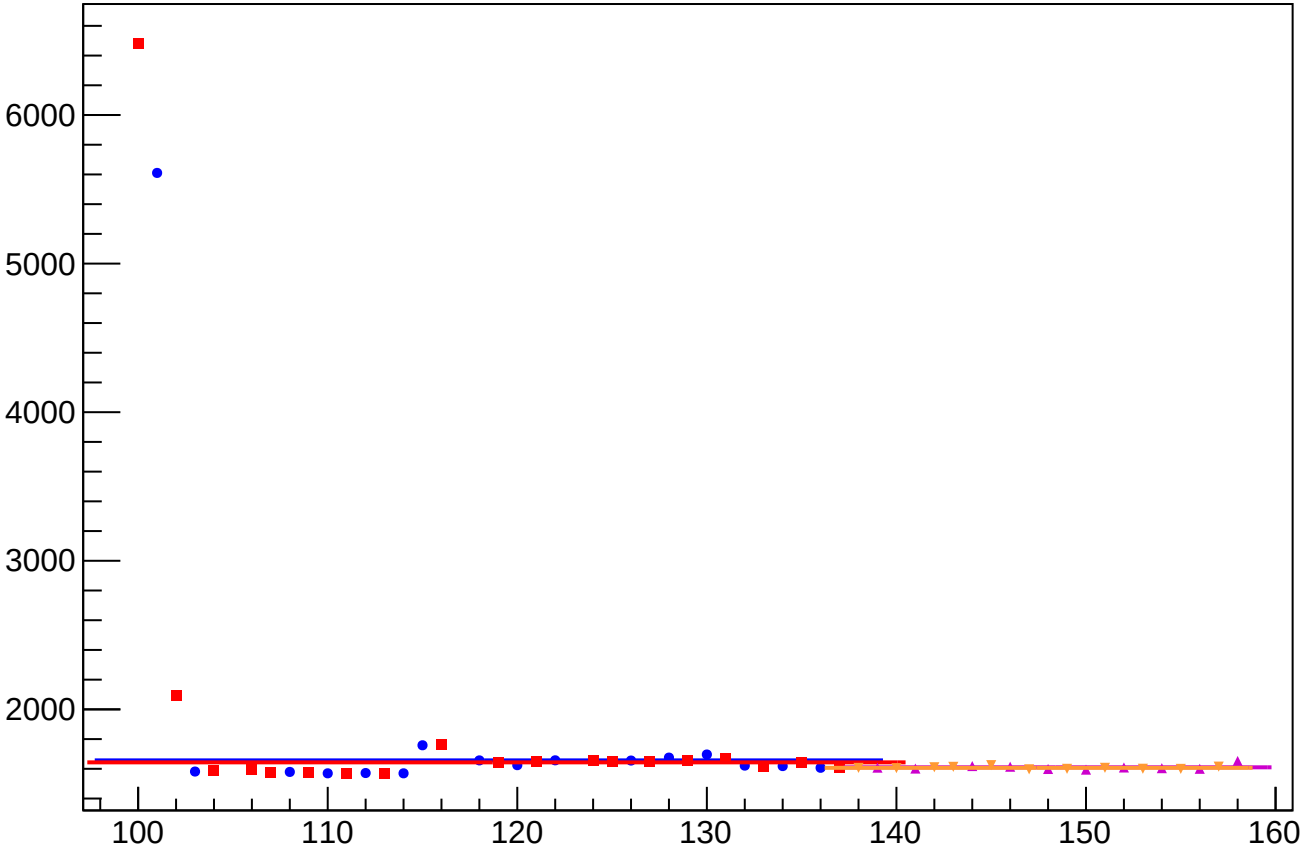
Left In: -2950.835+/-545.110 χ^2/NDF:18.4/9

\+ sign 2502.979+/-412.224 χ^2/NDF: 27.8/26

All: -114.115+/-289.338 χ^2/NDF: 138.1/55

\- sign -2655.449+/-406.214 χ^2/NDF: 30.9/28

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1606.665+/-0.385 χ^2/NDF:429.5/10

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

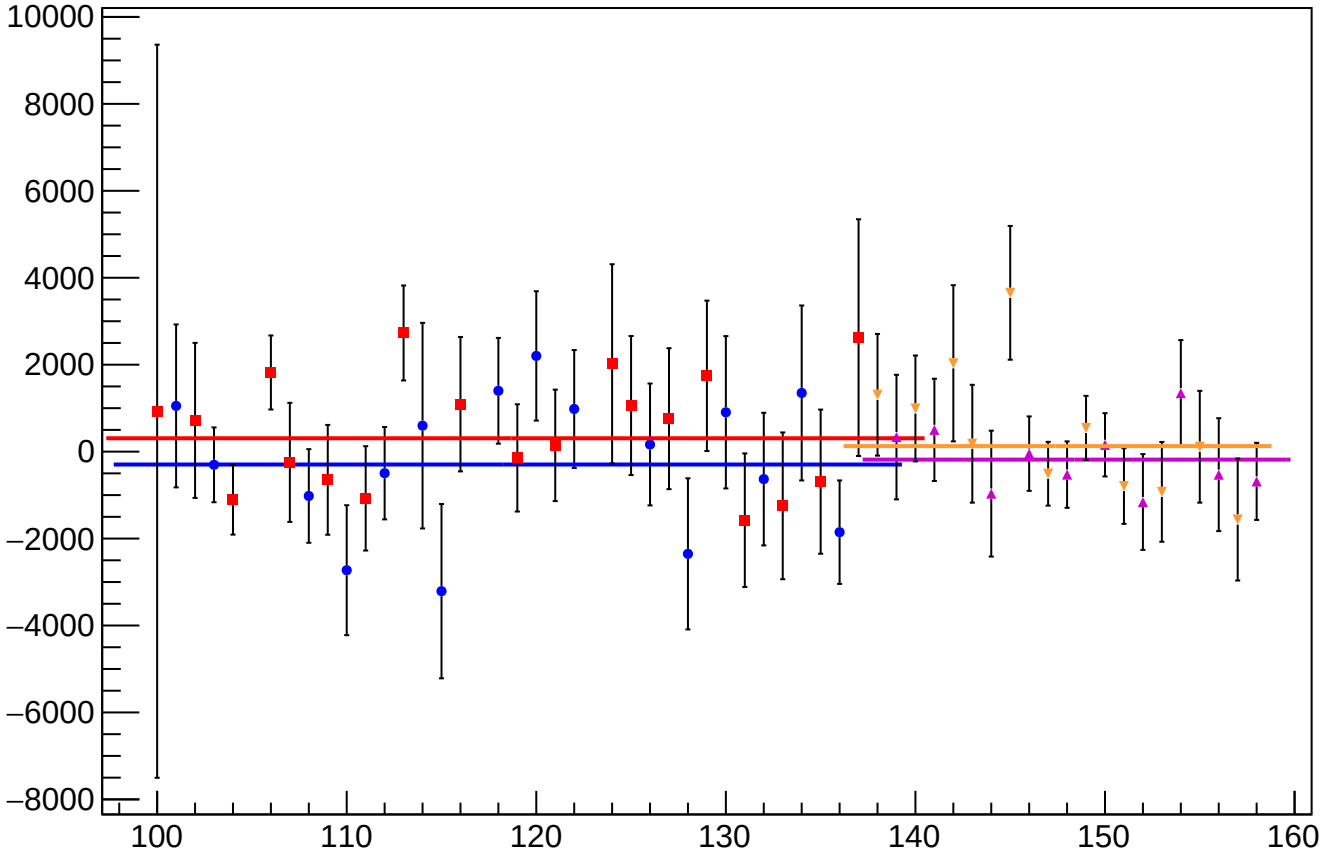
Left In: 1610.089+/-0.385 χ^2/NDF:1625.5/9

+ sign 1628.064+/-0.291 χ^2/NDF: 673863.7/26

All: 1626.466+/-0.205 χ^2/NDF: 815873.4/55

- sign 1624.915+/-0.287 χ^2/NDF: 141950.5/28

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: -296.450+/-343.436 χ^2/NDF: 16.0/15

Left Out: 127.399+/-327.155 χ^2/NDF:12.1/10

Right Out: 307.671+/-312.976 χ^2/NDF: 18.7/18

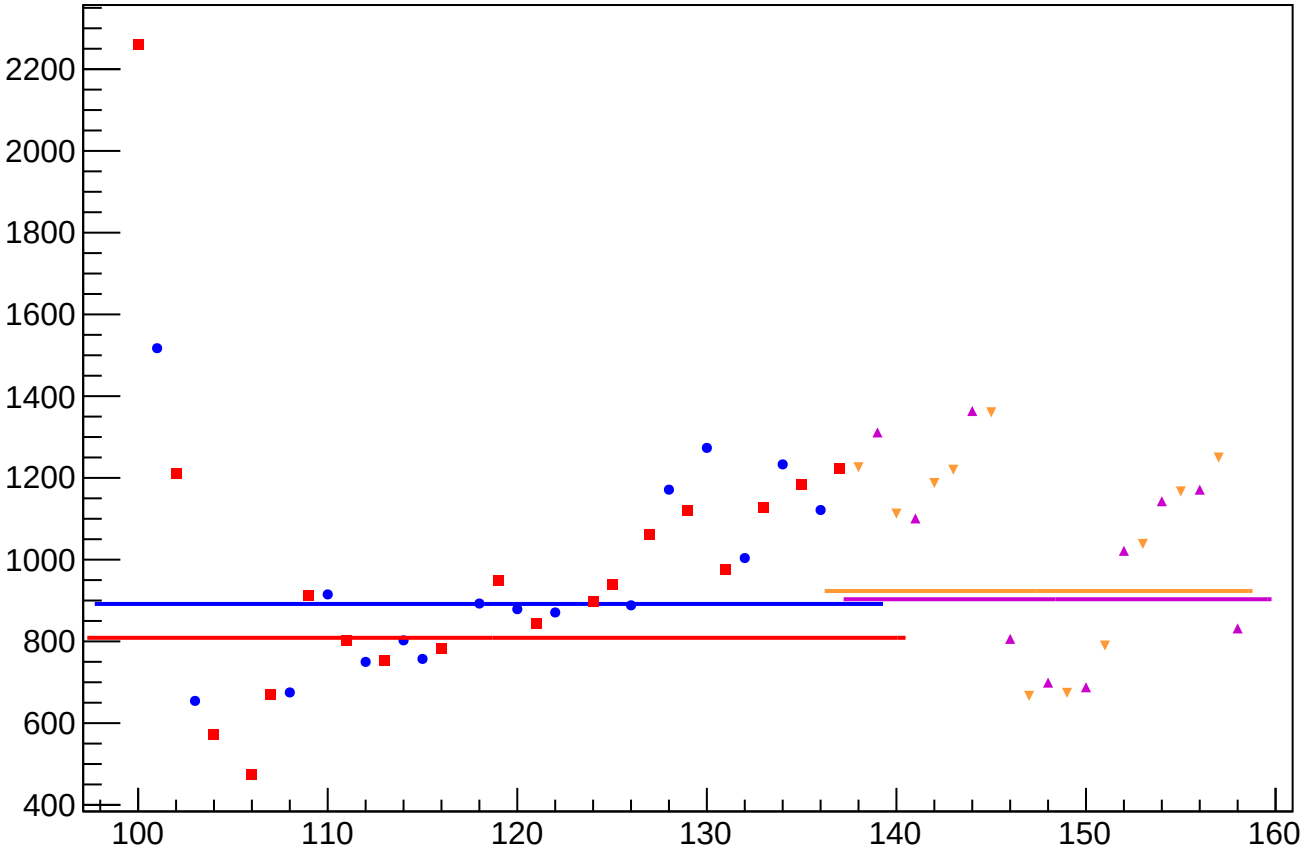
Left In: -183.872+/-315.994 χ^2/NDF:4.0/9

+ sign -74.241+/-236.880 χ^2/NDF: 28.8/26

All: -0.619+/-162.125 χ^2/NDF: 52.9/55

- sign 64.258+/-222.367 χ^2/NDF: 23.9/28

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 923.355+/-0.231 χ^2/NDF:1161807.7/10

Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

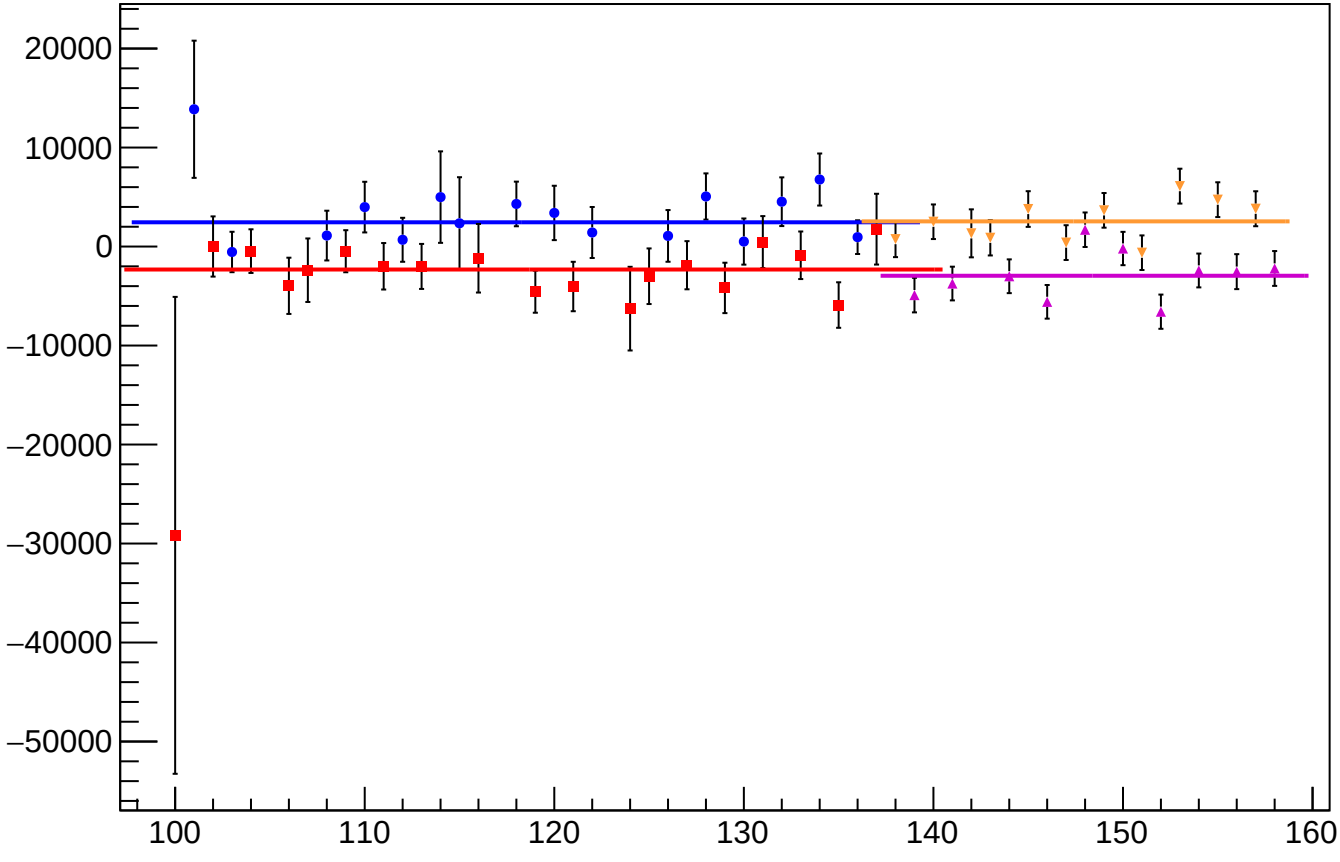
Left In: 903.138+/-0.223 χ^2/NDF:963266.8/9

+ sign 908.264+/-0.167 χ^2/NDF: 1964650.7/26

All: 880.227+/-0.115 χ^2/NDF: 4154430.9/55

- sign 855.521+/-0.157 χ^2/NDF: 2137073.9/28

cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2542.621+/-544.963 χ^2/NDF:13.9/10

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

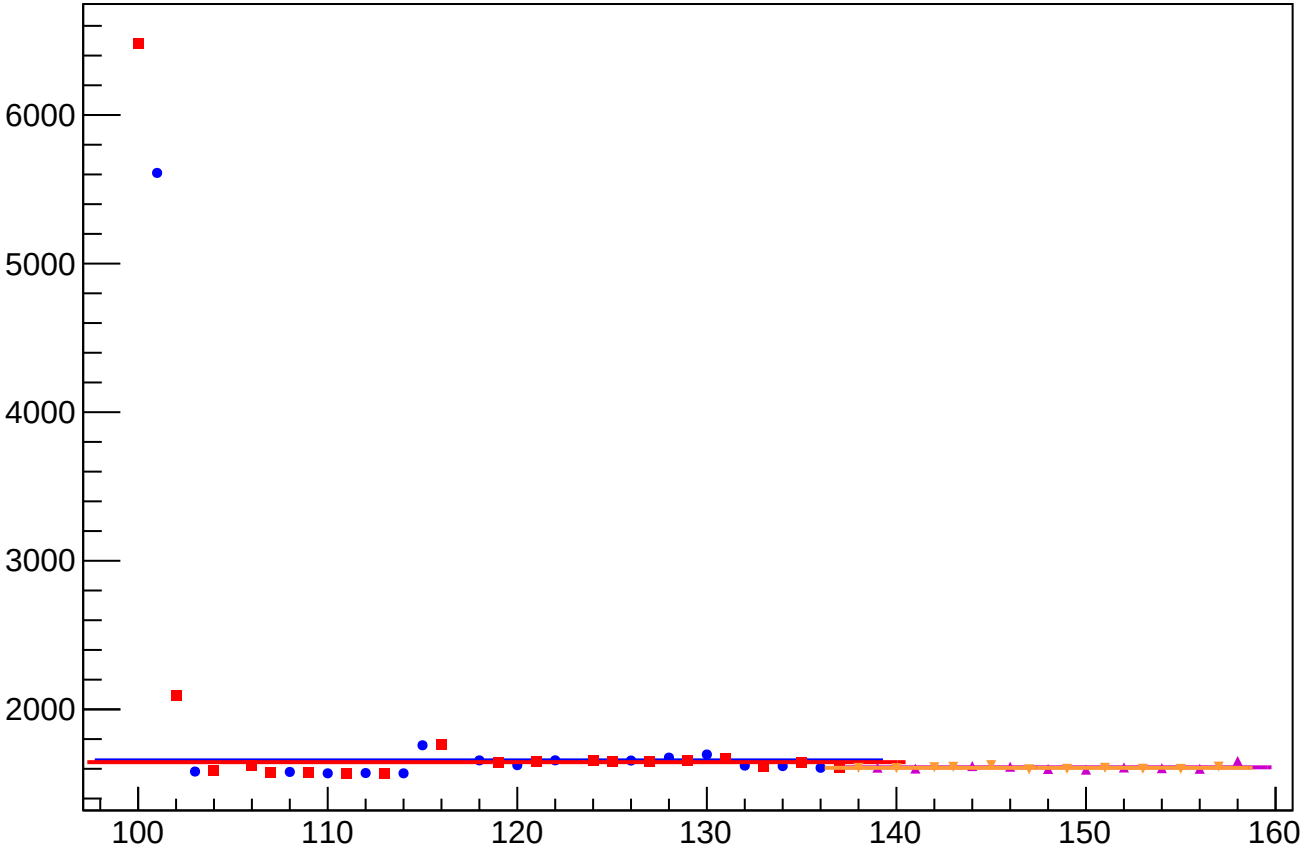
Left In: -2950.887+/-545.110 χ^2/NDF:18.4/9

+ sign 2502.738+/-412.224 χ^2/NDF: 27.7/26

All: -121.106+/-289.392 χ^2/NDF: 138.7/55

- sign -2670.853+/-406.362 χ^2/NDF: 31.0/28

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1606.665+/-0.385 χ^2/NDF:429.5/10

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

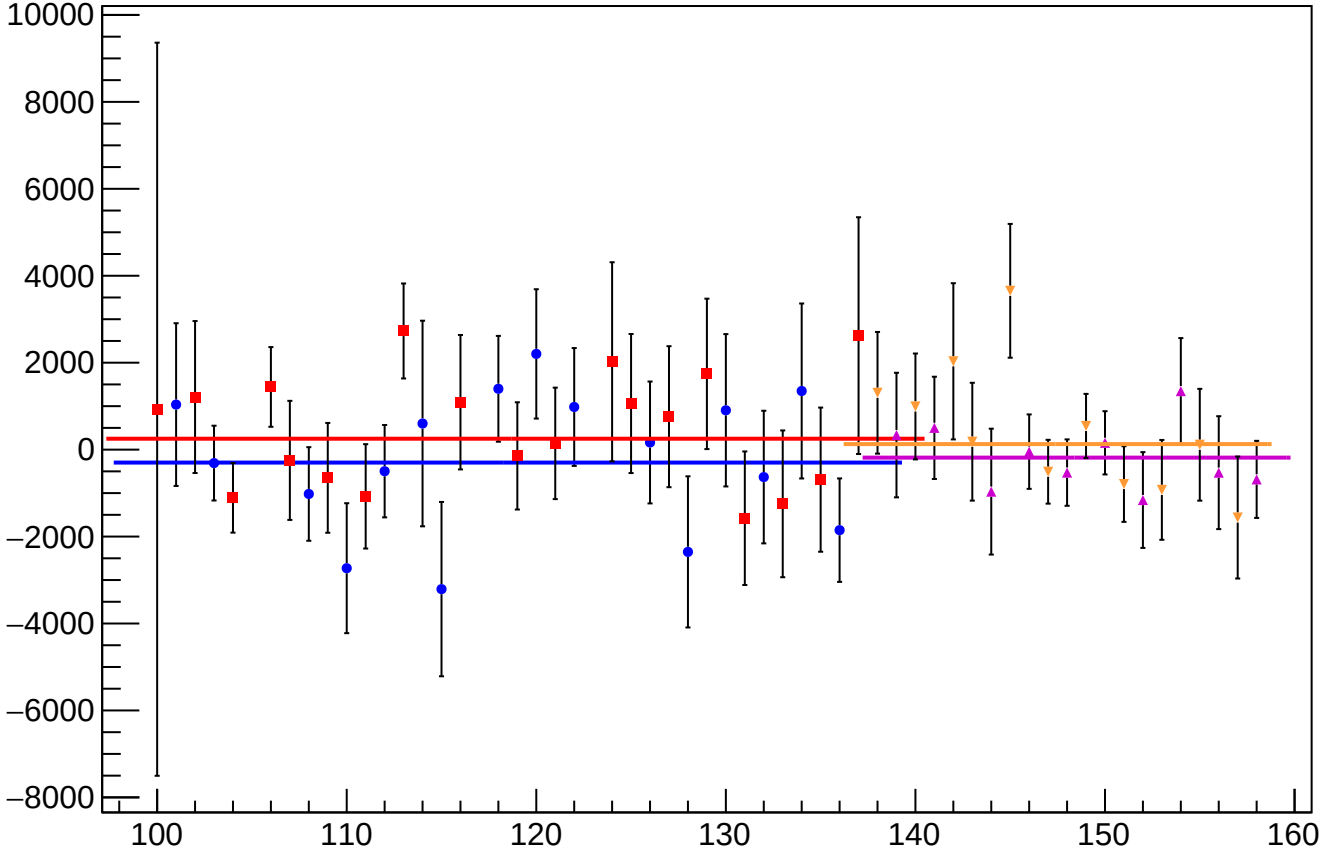
Left In: 1610.089+/-0.385 χ^2/NDF:1625.5/9

+ sign 1628.064+/-0.291 χ^2/NDF: 673863.3/26

All: 1626.754+/-0.205 χ^2/NDF: 815600.6/55

- sign 1625.480+/-0.287 χ^2/NDF: 141697.5/28

asym_usr_atr1_avg_cor_correction_mean vs Slug



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: 127.285+/-327.151 χ^2/NDF:12.1/10

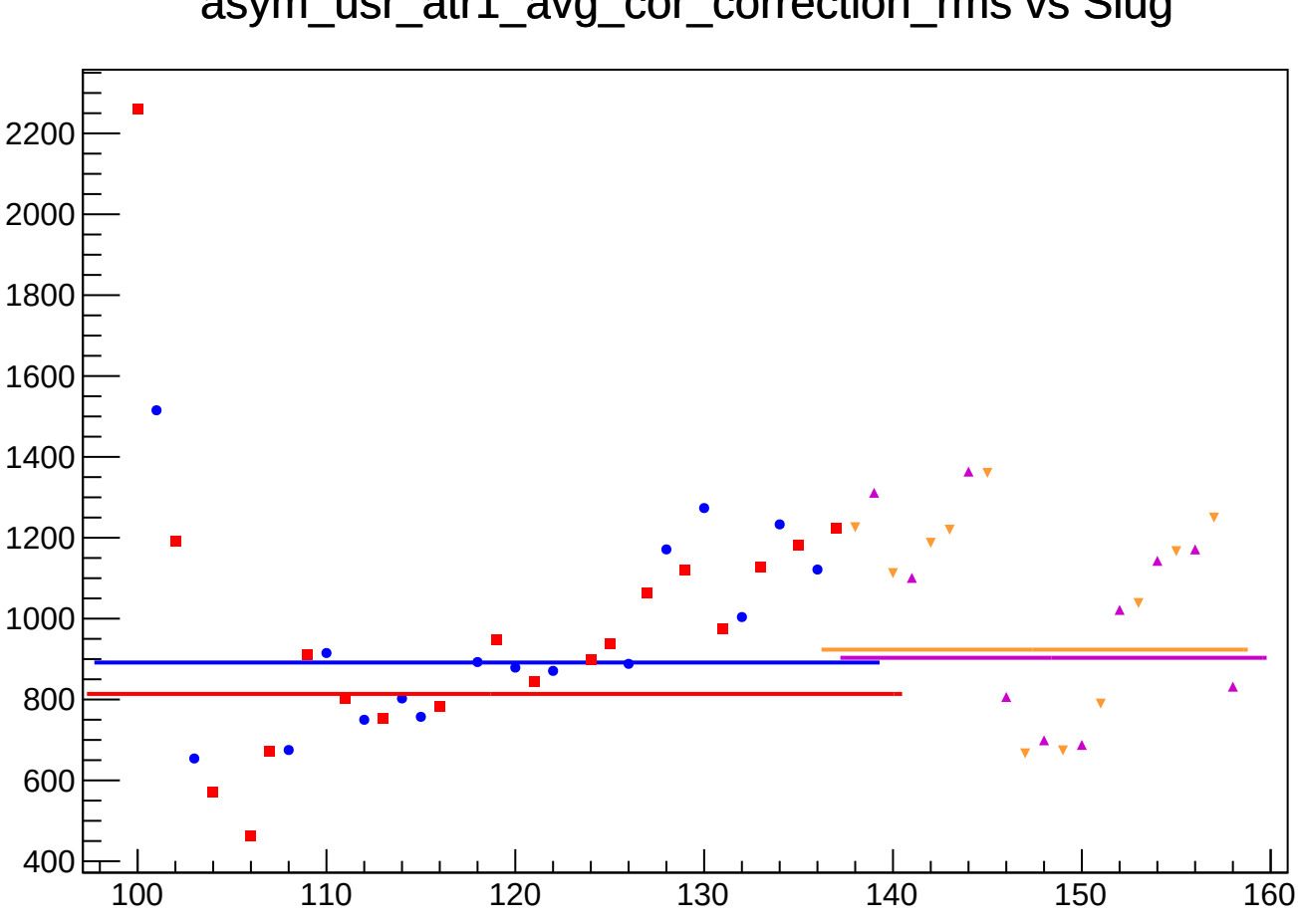
Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: -183.901+/-315.995 χ^2/NDF:4.0/9

+ sign -74.965+/-236.864 χ^2/NDF: 28.8/26

All: -17.375+/-162.502 χ^2/NDF: 51.1/55

- sign 33.834+/-223.355 χ^2/NDF: 22.2/28



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 923.341+/-0.231 χ^2/NDF:1161890.2/10

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

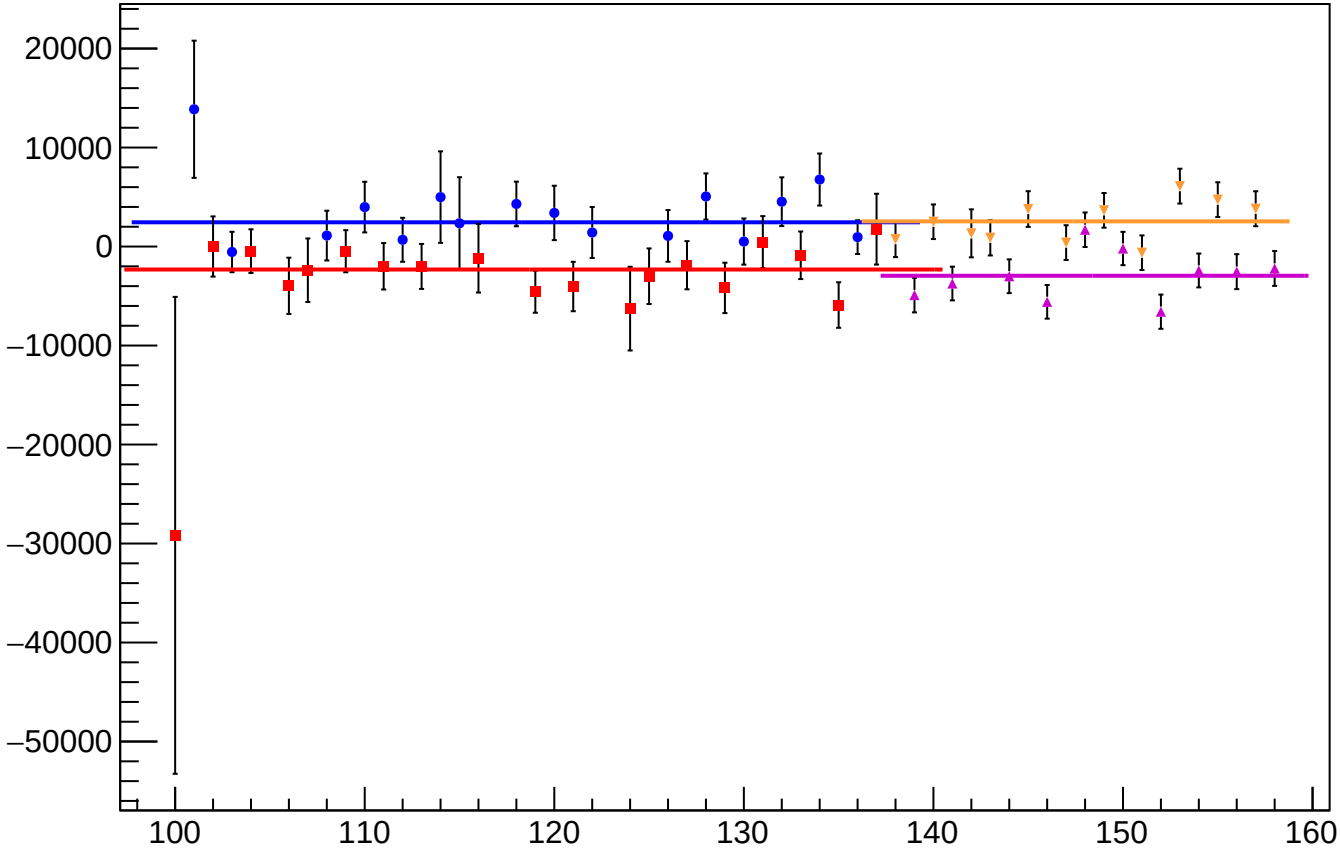
Left In: 903.142+/-0.223 χ^2/NDF:963227.6/9

+ sign 908.207+/-0.167 χ^2/NDF: 1964543.0/26

All: 881.864+/-0.115 χ^2/NDF: 4107484.4/55

- sign 858.440+/-0.158 χ^2/NDF: 2096206.7/28

eigen_cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2542.621+/-544.963 χ^2/NDF:13.9/10

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

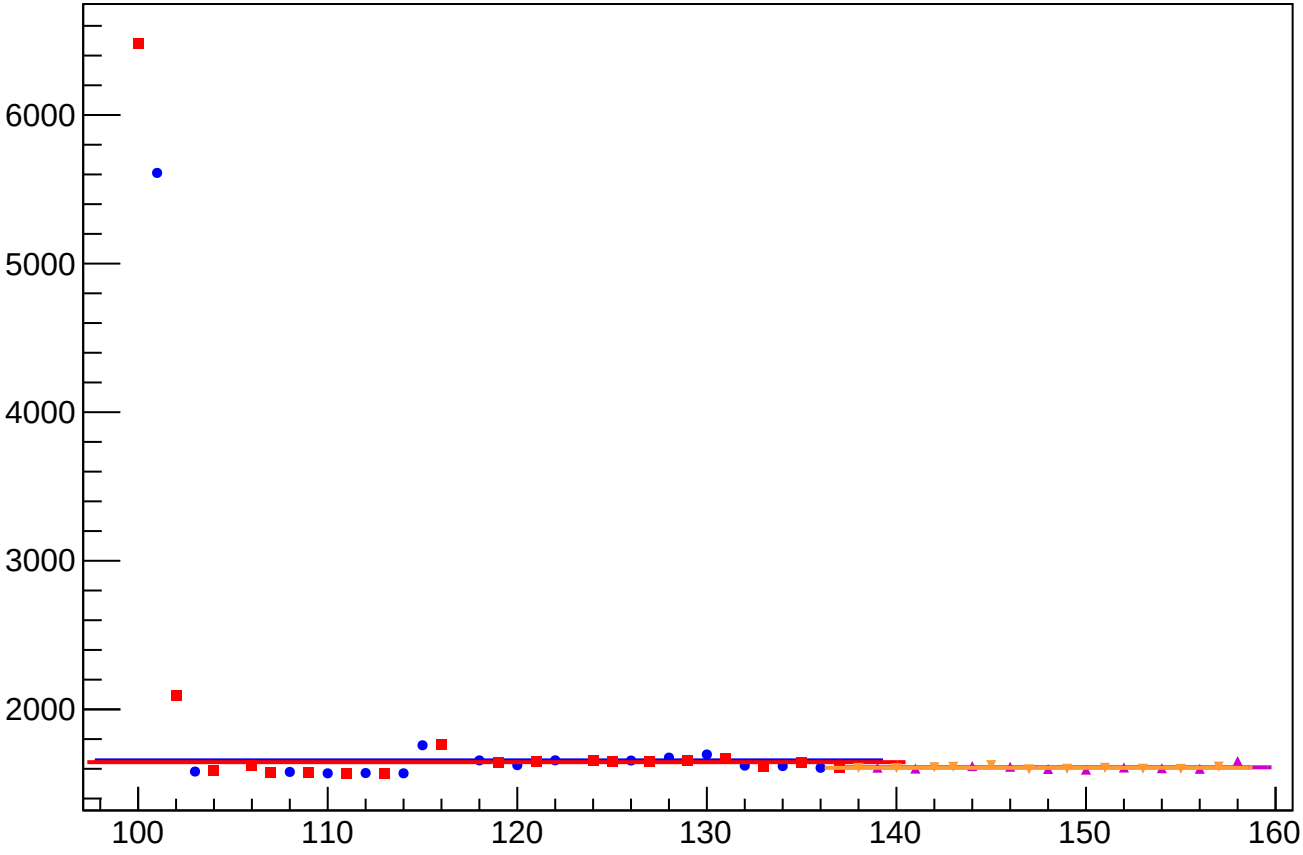
Left In: -2950.887+/-545.110 χ^2/NDF:18.4/9

+ sign 2502.738+/-412.224 χ^2/NDF: 27.7/26

All: -121.106+/-289.392 χ^2/NDF: 138.7/55

- sign -2670.853+/-406.362 χ^2/NDF: 31.0/28

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1606.665+/-0.385 χ^2/NDF:429.5/10

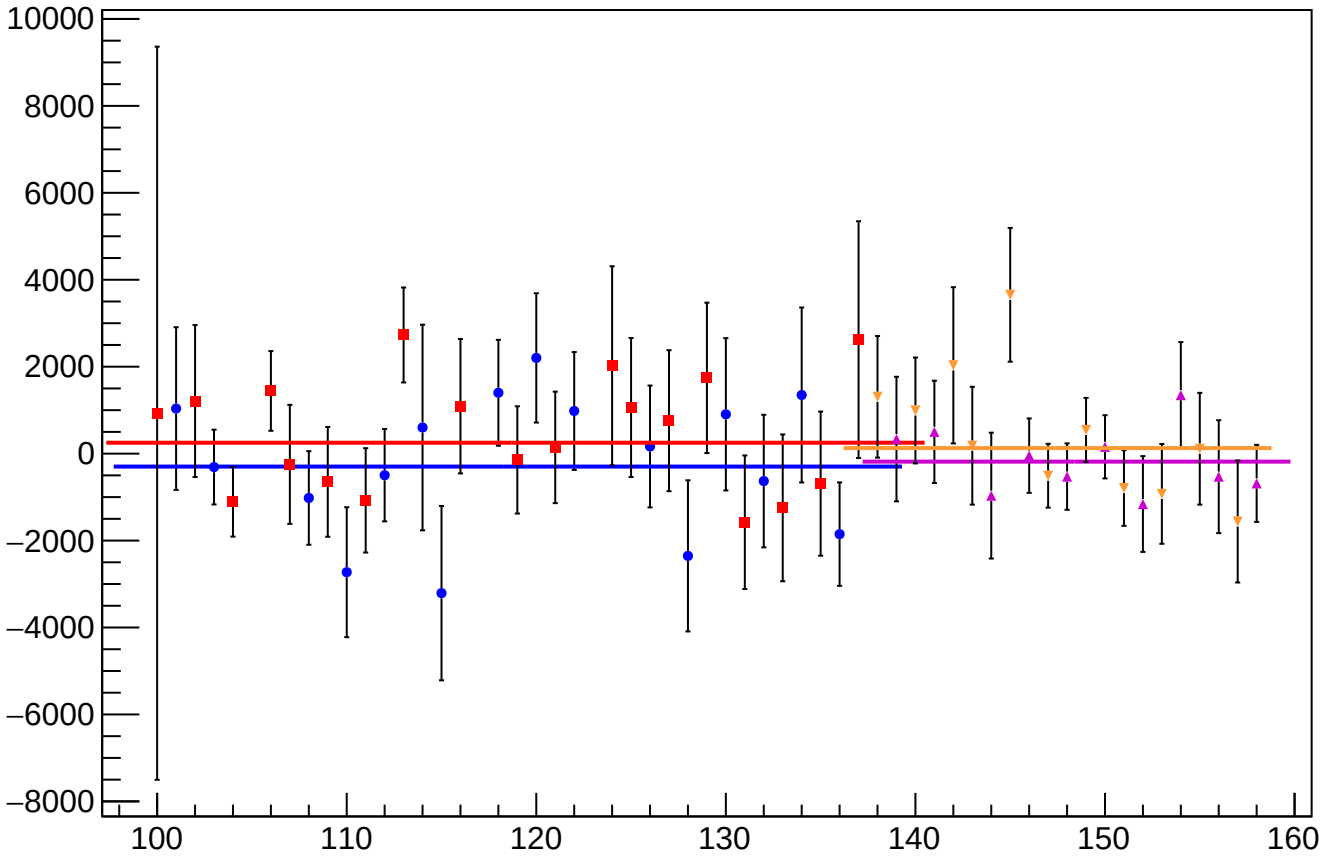
Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1610.089+/-0.385 χ^2/NDF:1625.5/9

+ sign 1628.064+/-0.291 χ^2/NDF: 673863.3/26

All: 1626.754+/-0.205 χ^2/NDF: 815600.6/55

- sign 1625.480+/-0.287 χ^2/NDF: 141697.5/28



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: 127.285+/-327.151 χ^2/NDF:12.1/10

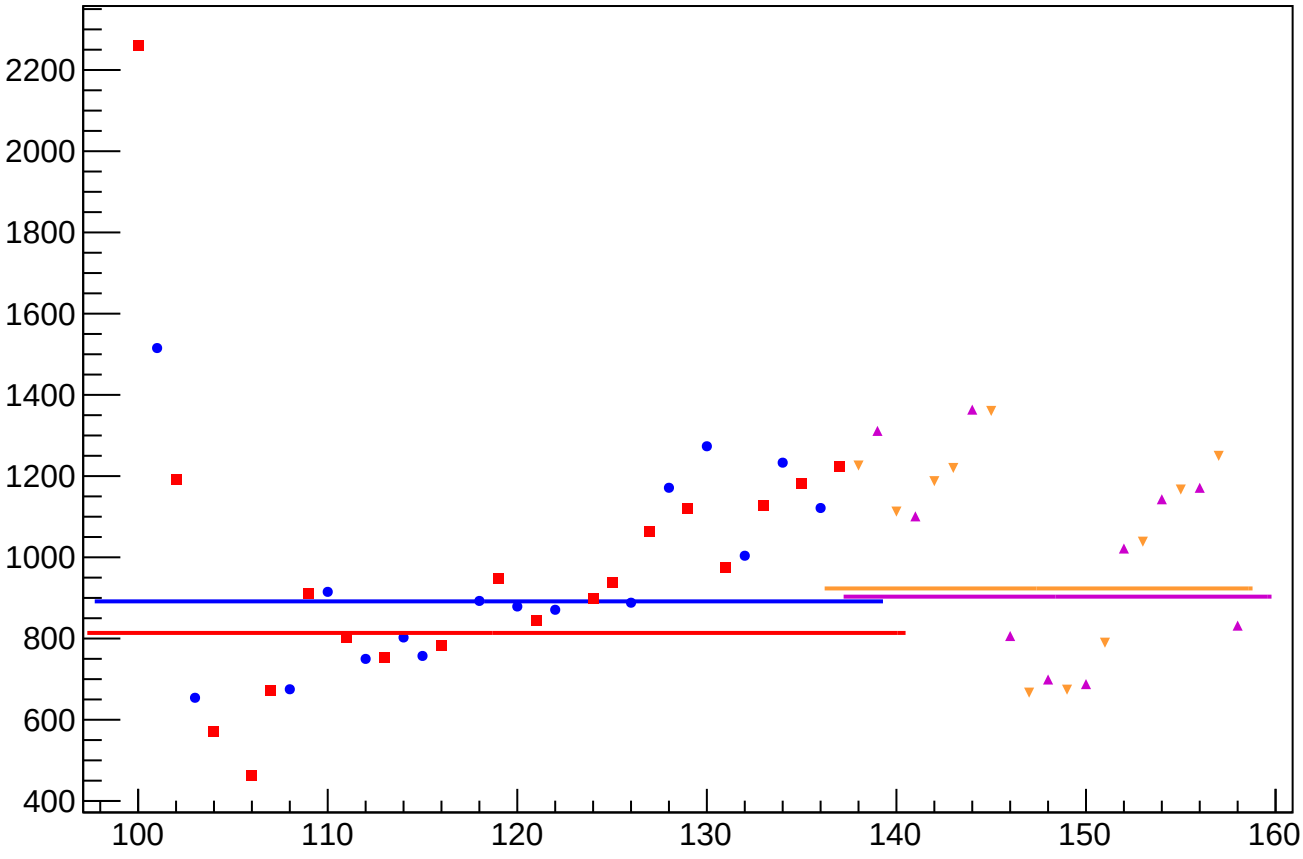
Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: -183.901+/-315.995 χ^2/NDF:4.0/9

\+ sign -74.965+/-236.864 χ^2/NDF: 28.8/26

All: -17.375+/-162.502 χ^2/NDF: 51.1/55

\- sign 33.834+/-223.355 χ^2/NDF: 22.2/28



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 923.341+/-0.231 χ^2/NDF:1161890.2/10

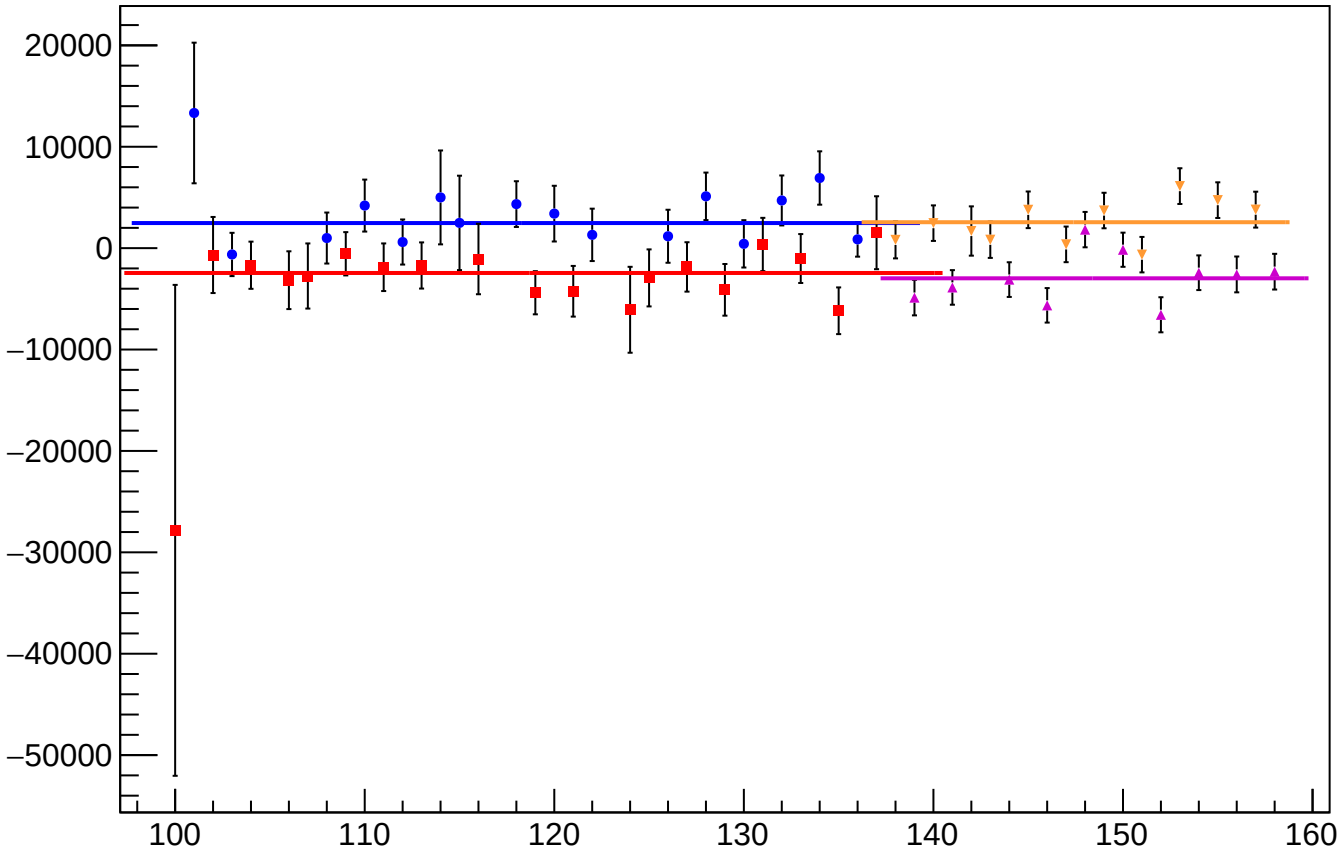
Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 903.142+/-0.223 χ^2/NDF:963227.6/9

+ sign 908.207+/-0.167 χ^2/NDF: 1964543.0/26

All: 881.864+/-0.115 χ^2/NDF: 4107484.4/55

- sign 858.440+/-0.158 χ^2/NDF: 2096206.7/28



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2557.919+/-545.916 χ^2/NDF:13.9/10

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

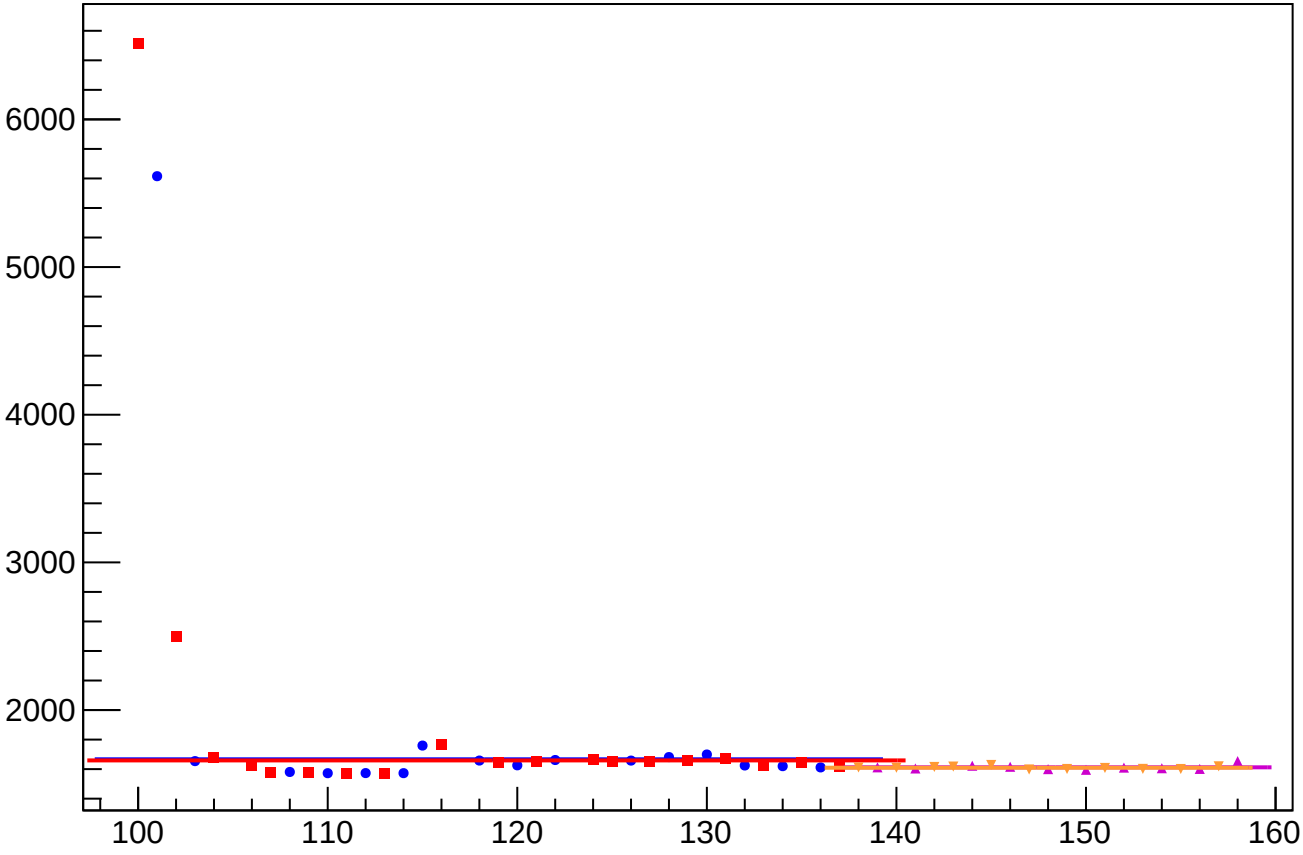
Left In: -2975.442+/-545.824 χ^2/NDF:18.9/9

+ sign 2522.704+/-413.650 χ^2/NDF: 28.1/26

All: -140.903+/-290.826 χ^2/NDF: 139.9/55

- sign -2744.571+/-408.969 χ^2/NDF: 29.9/28

dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1609.463+/-0.386 χ^2/NDF:549.2/10

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

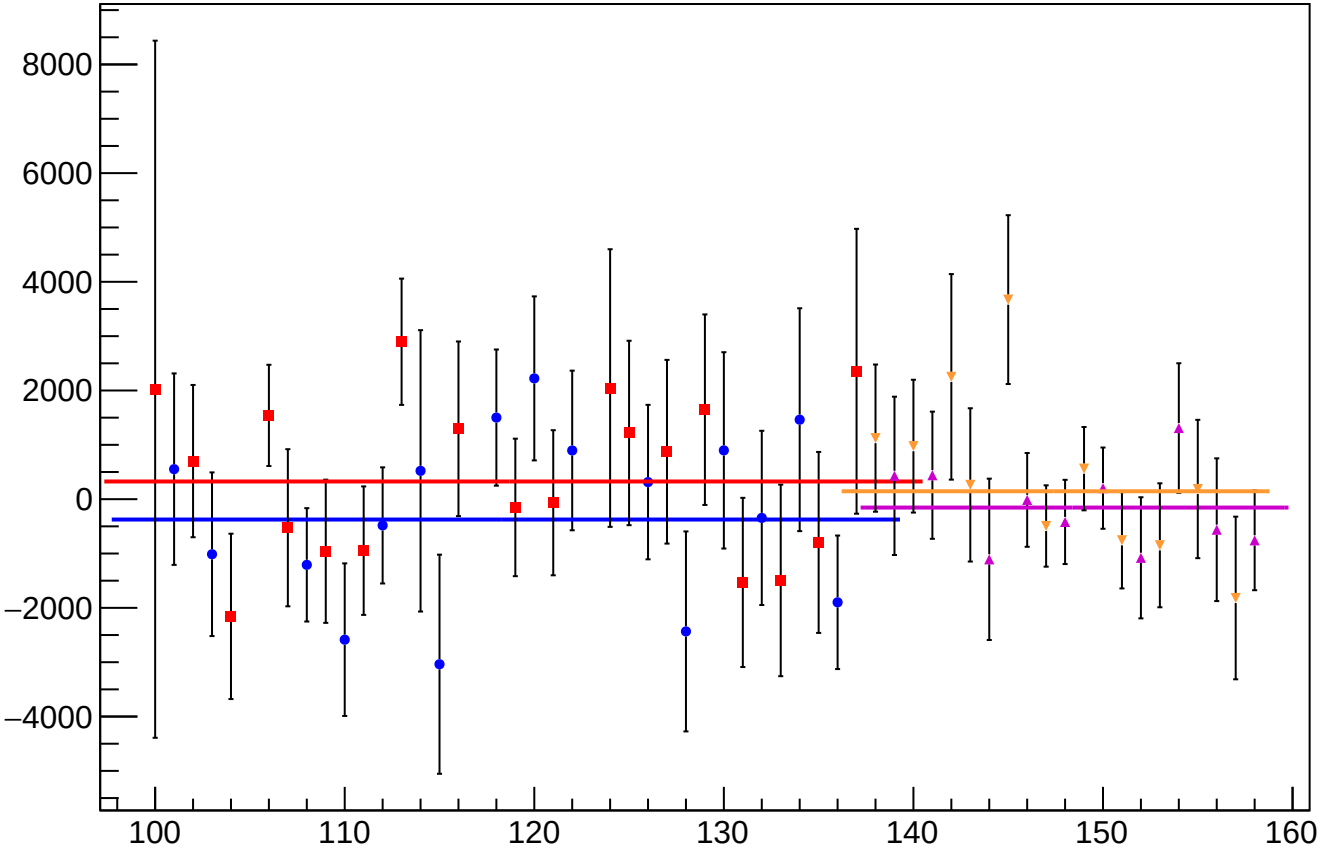
Left In: 1612.180+/-0.386 χ^2/NDF:1667.6/9

+ sign 1633.710+/-0.292 χ^2/NDF: 672728.7/26

All: 1633.208+/-0.206 χ^2/NDF: 874081.4/55

- sign 1632.717+/-0.289 χ^2/NDF: 201346.9/28

asym_usr_atr1_avg_dit_correction_mean vs Slug



Right In: -374.592+/-367.944 χ^2/NDF: 15.7/15

Left Out: 145.607+/-333.256 χ^2/NDF:11.9/10

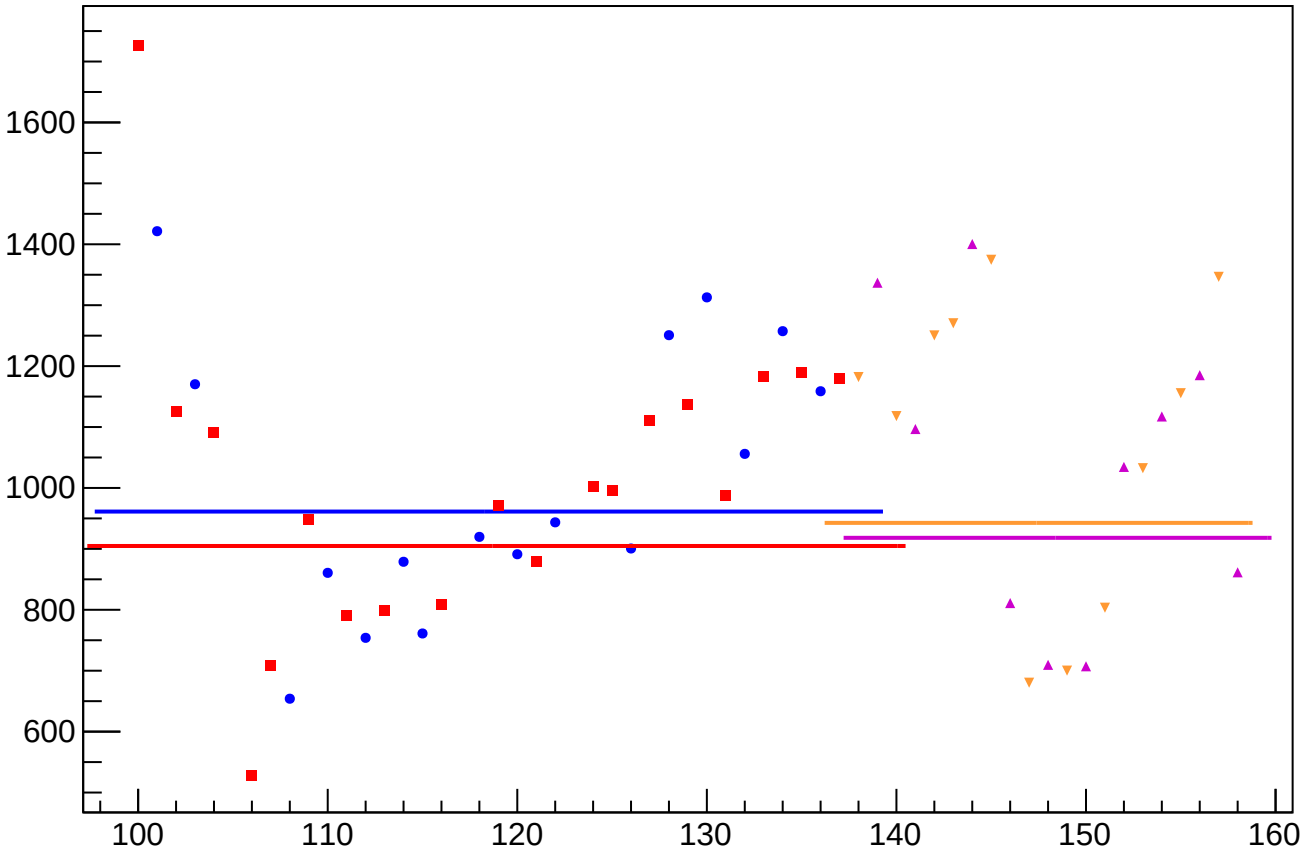
Right Out: 325.671+/-340.620 χ^2/NDF: 17.4/18

Left In: -154.358+/-320.597 χ^2/NDF:3.9/9

+ sign -88.821+/-247.003 χ^2/NDF: 28.8/26

All: -4.337+/-169.665 χ^2/NDF: 51.4/55

- sign 71.133+/-233.454 χ^2/NDF: 22.4/28



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 942.672+/-0.236 χ^2/NDF:1128431.1/10

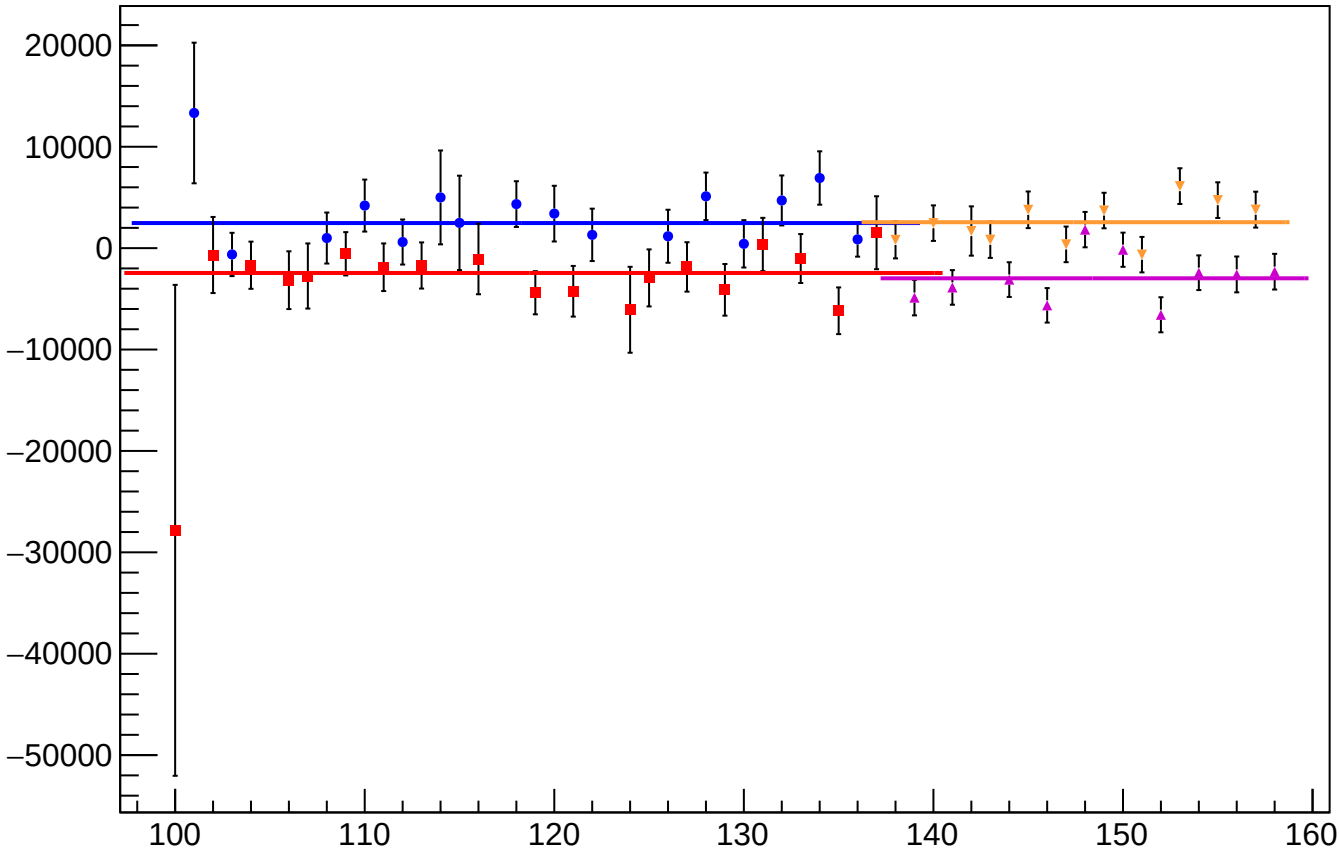
Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

Left In: 918.142+/-0.227 χ^2/NDF:925703.1/9

+ sign 951.041+/-0.175 χ^2/NDF: 1823105.2/26

All: 930.338+/-0.120 χ^2/NDF: 3513536.6/55

- sign 911.845+/-0.165 χ^2/NDF: 1663830.4/28



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2557.919+/-545.916 χ^2/NDF:13.9/10

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

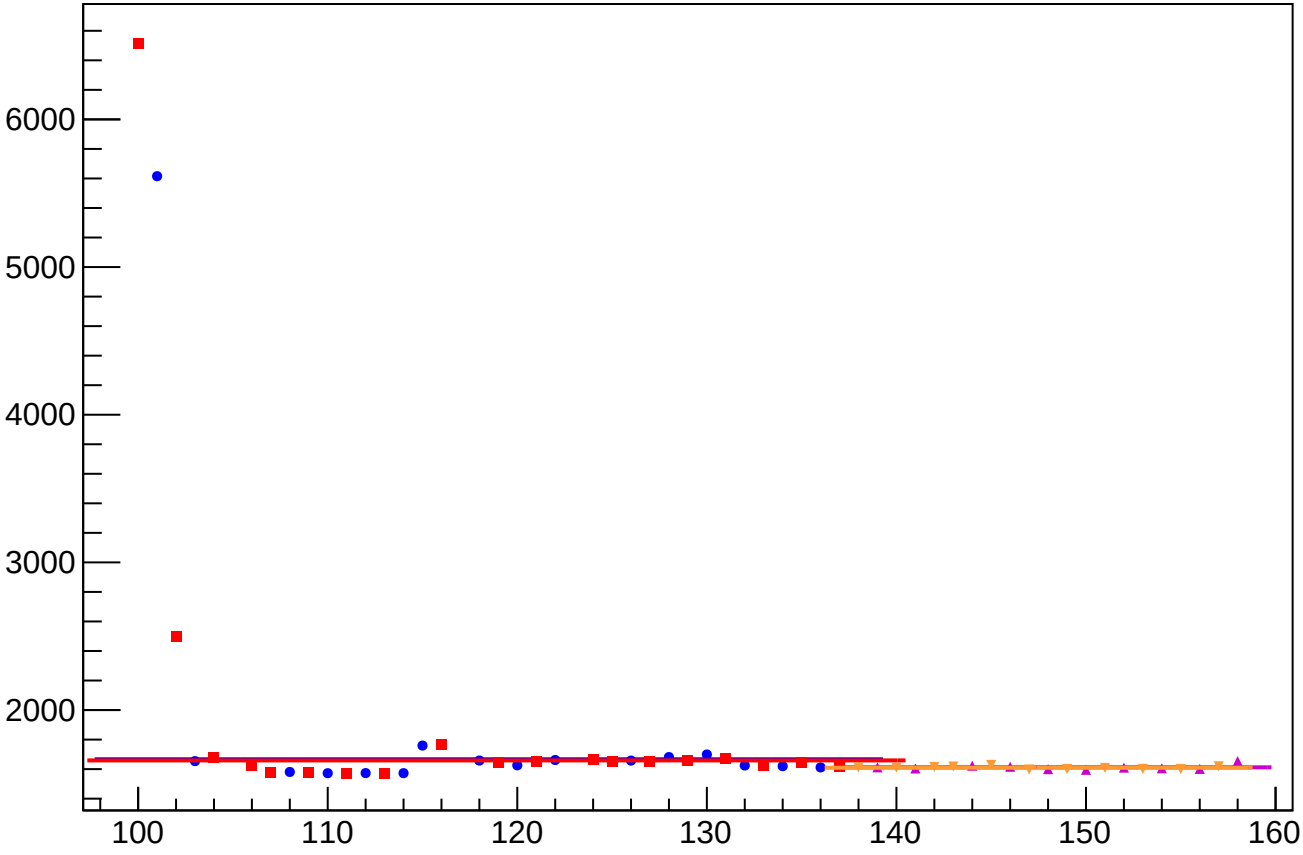
Left In: -2975.442+/-545.824 χ^2/NDF:18.9/9

+ sign 2522.704+/-413.650 χ^2/NDF: 28.1/26

All: -140.903+/-290.826 χ^2/NDF: 139.9/55

- sign -2744.571+/-408.969 χ^2/NDF: 29.9/28

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1609.463+/-0.386 χ^2/NDF:549.2/10

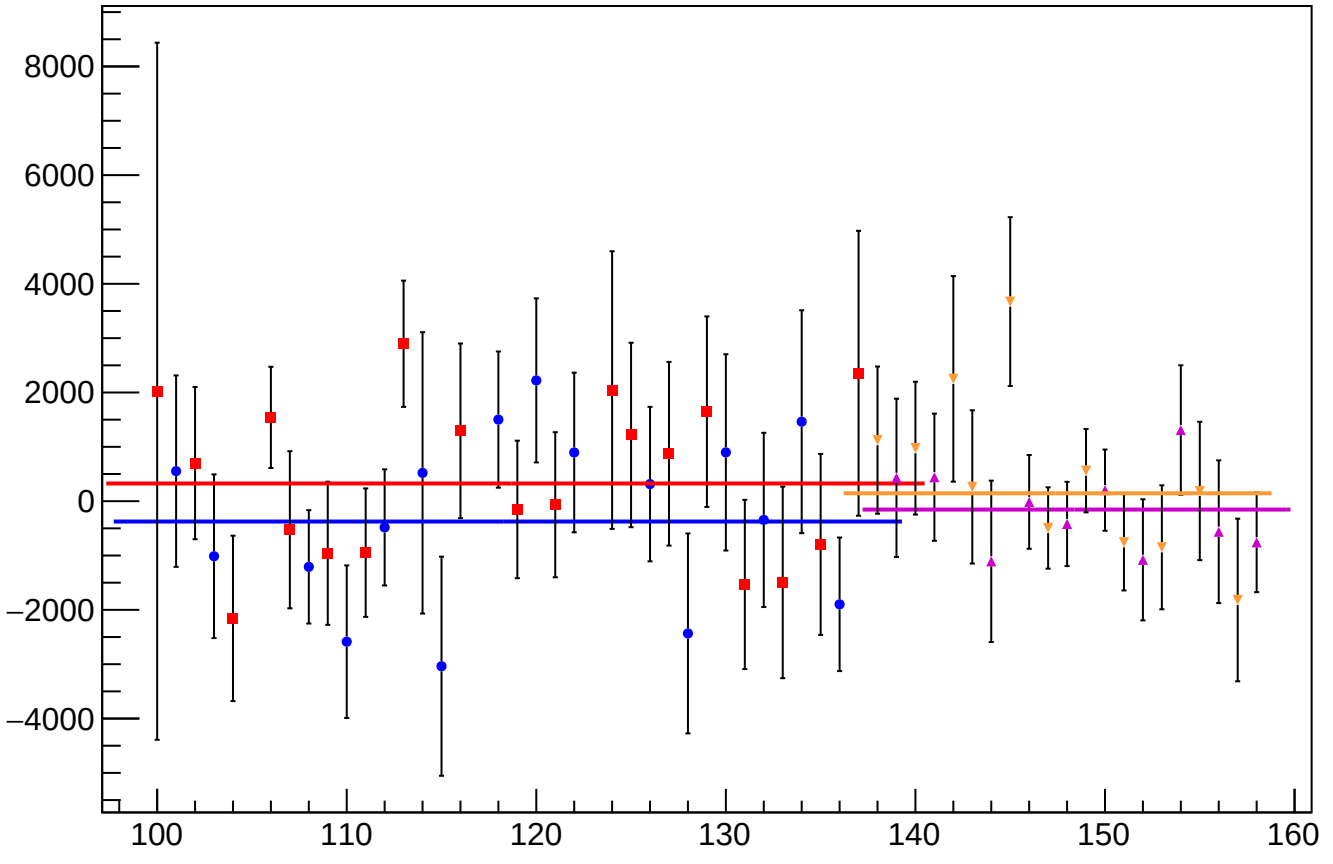
Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1612.180+/-0.386 χ^2/NDF:1667.6/9

+ sign 1633.710+/-0.292 χ^2/NDF: 672728.6/26

All: 1633.208+/-0.206 χ^2/NDF: 874081.1/55

- sign 1632.717+/-0.289 χ^2/NDF: 201346.7/28



Right In: -374.590+/-367.943 χ^2/NDF: 15.7/15

Left Out: 145.605+/-333.257 χ^2/NDF:11.9/10

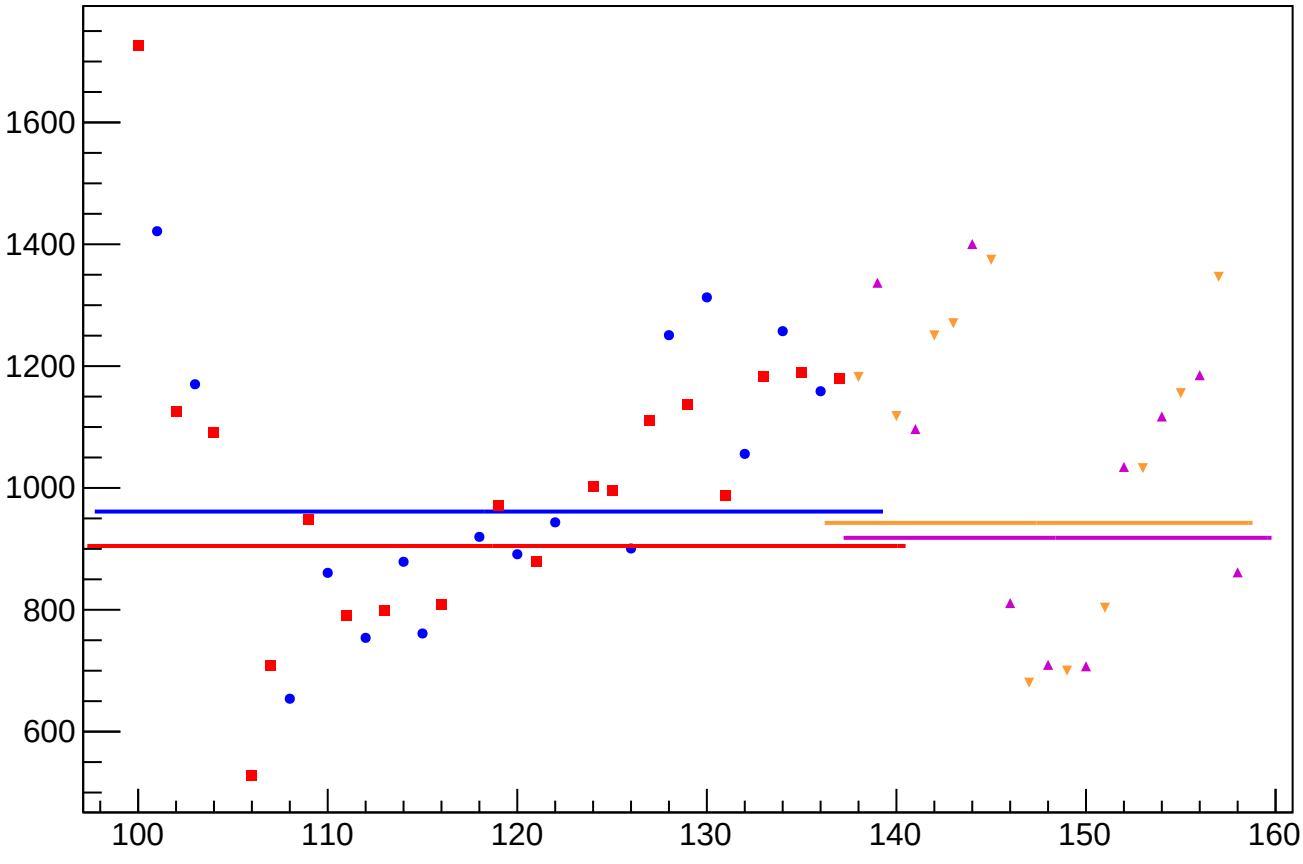
Right Out: 325.670+/-340.619 χ^2/NDF: 17.4/18

Left In: -154.359+/-320.597 χ^2/NDF:3.9/9

+ sign -88.823+/-247.003 χ^2/NDF: 28.8/26

All: -4.338+/-169.665 χ^2/NDF: 51.4/55

- sign 71.134+/-233.454 χ^2/NDF: 22.4/28



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 942.674+/-0.236 χ^2/NDF:1128433.3/10

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

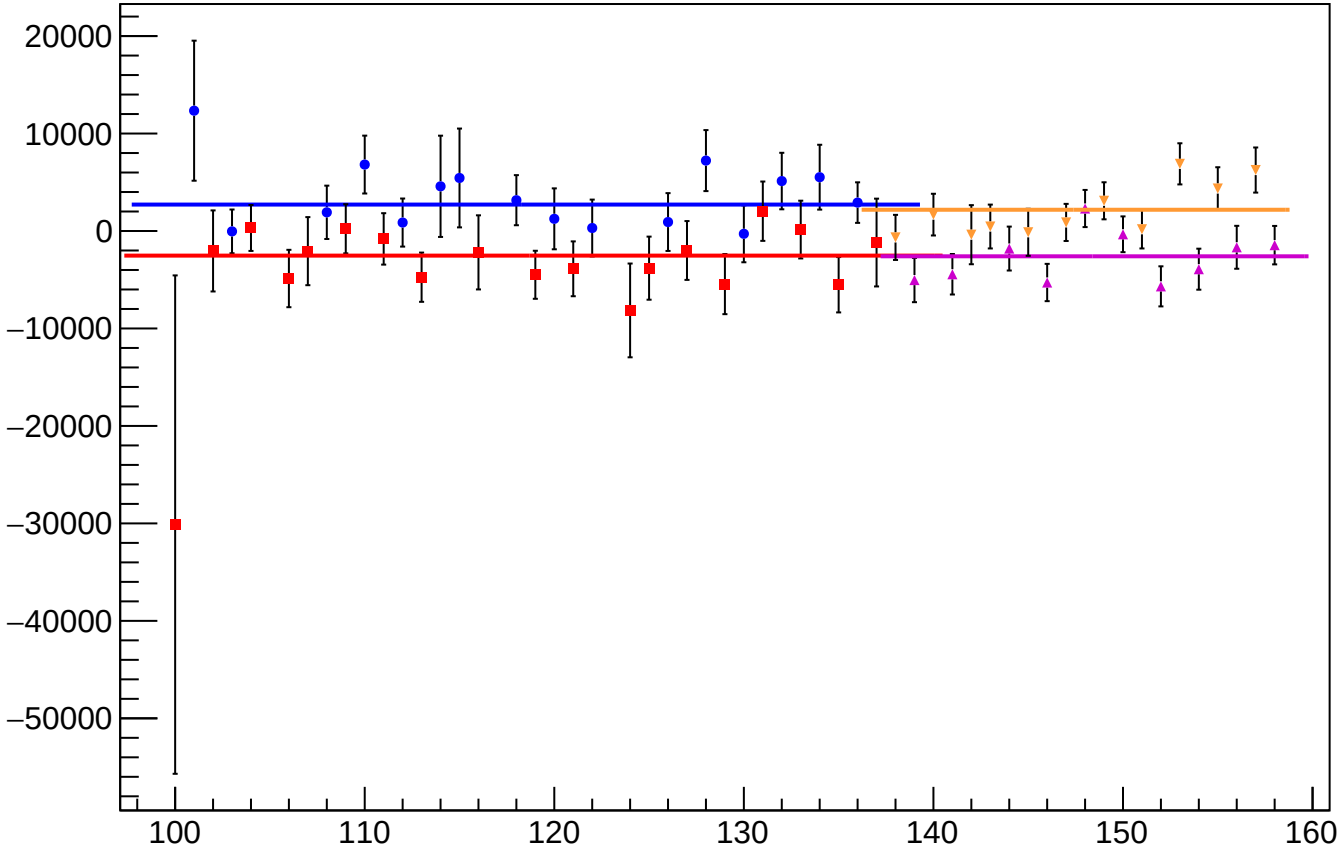
Left In: 918.143+/-0.227 χ^2/NDF:925705.6/9

+ sign 951.040+/-0.175 χ^2/NDF: 1823113.7/26

All: 930.338+/-0.120 χ^2/NDF: 3513545.7/55

- sign 911.844+/-0.165 χ^2/NDF: 1663831.5/28

asym_usr_atr1_avg_mean vs Slug



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 2179.623+/-657.236 χ^2/NDF:14.6/10

Right Out: -2525.536+/-706.449 χ^2/NDF: 13.2/18

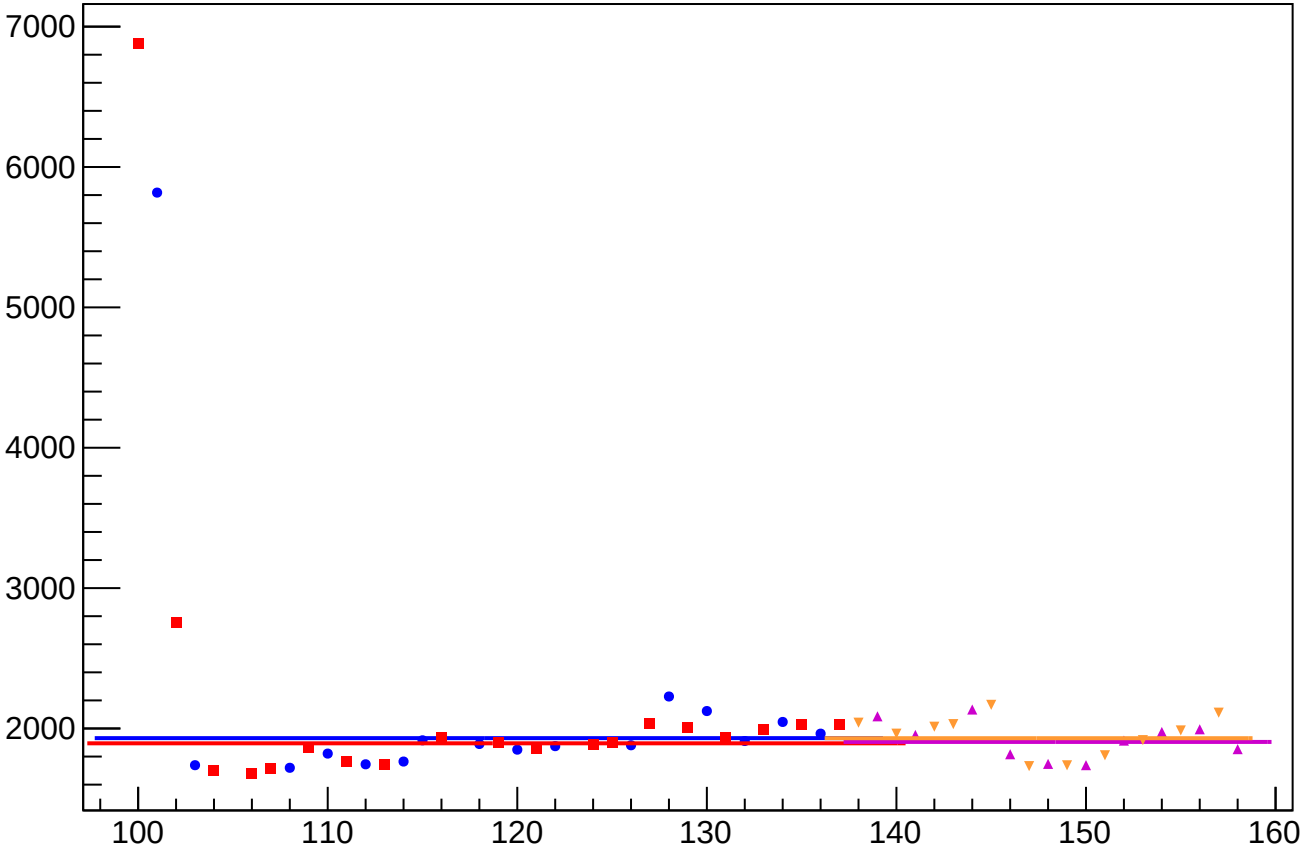
Left In: -2595.983+/-646.390 χ^2/NDF:15.3/9

+ sign 2415.867+/-489.957 χ^2/NDF: 27.0/26

All: -141.302+/-341.738 χ^2/NDF: 108.6/55

- sign -2563.881+/-476.888 χ^2/NDF: 28.6/28

asym_usr_atr1_avg_rms vs Slug



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 1930.756+/-0.465 χ^2/NDF:93718.5/10

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

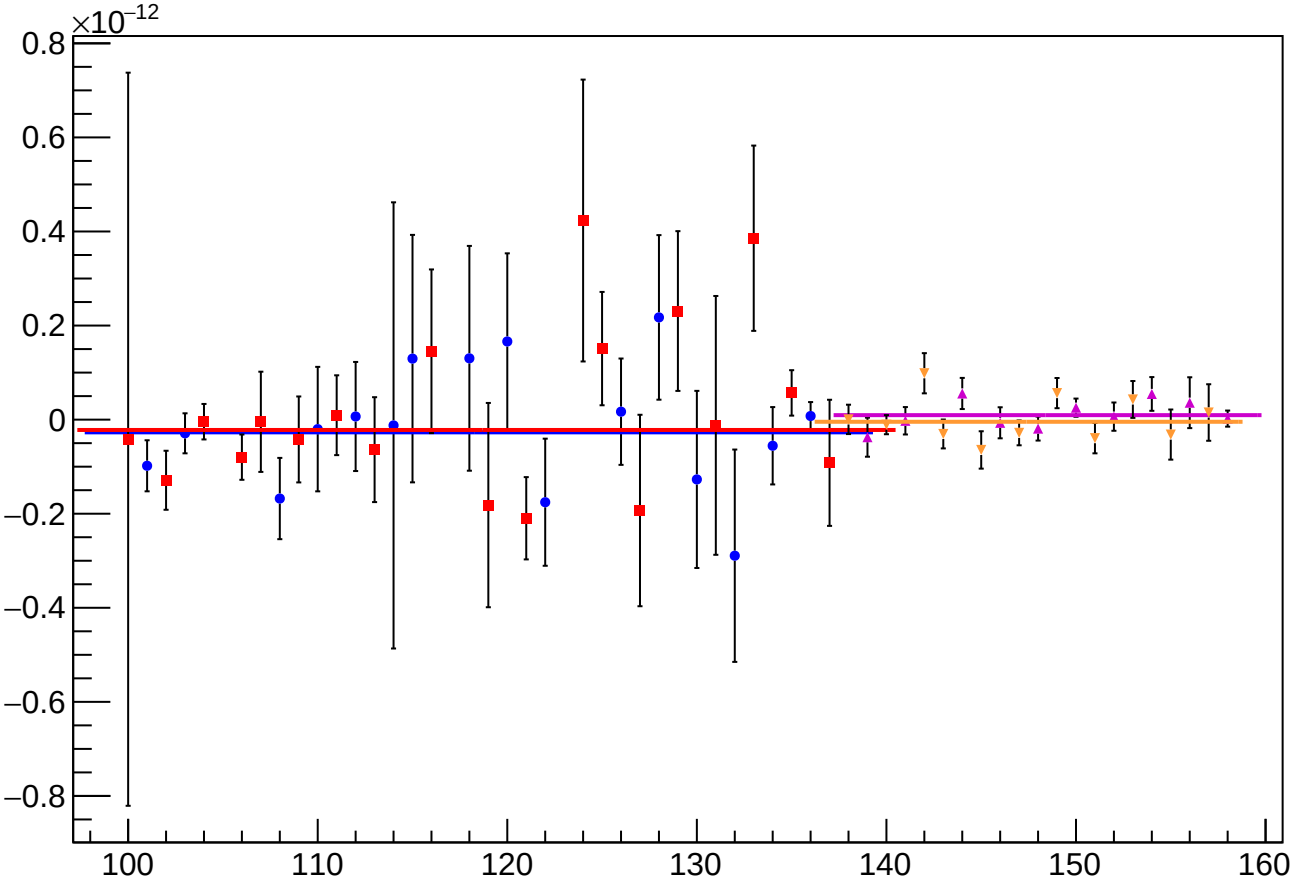
Left In: 1904.247+/-0.457 χ^2/NDF:76014.9/9

+ sign 1930.976+/-0.346 χ^2/NDF: 754946.0/26

All: 1914.934+/-0.242 χ^2/NDF: 1055890.8/55

- sign 1899.736+/-0.337 χ^2/NDF: 296769.7/28

asym_usr_atr1_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.3/10

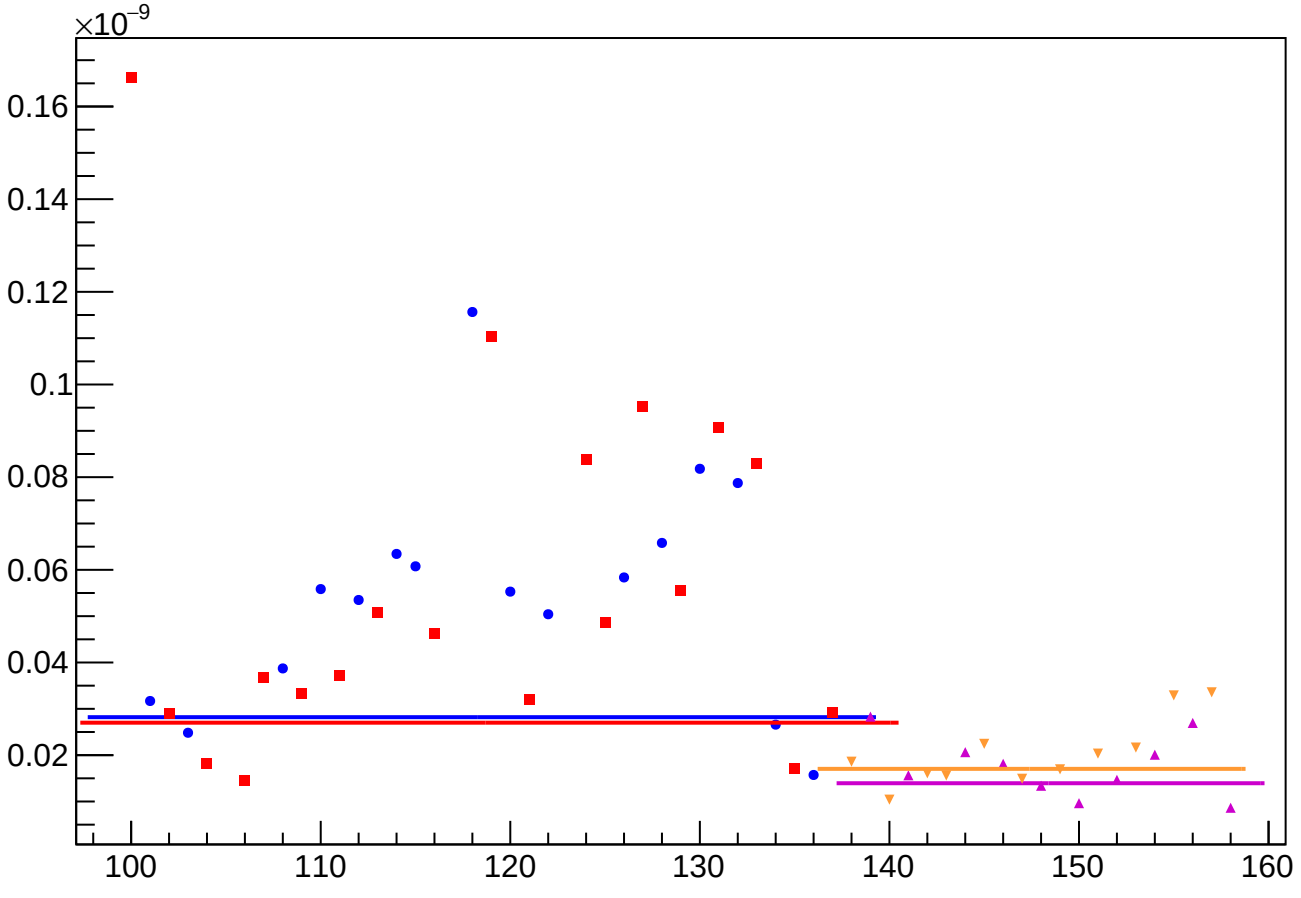
Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: 0.000+/-0.000 χ^2/NDF:7.6/9

+ sign -0.000+/-0.000 χ^2/NDF: 30.2/26

All: -0.000+/-0.000 χ^2/NDF: 66.7/55

- sign 0.000+/-0.000 χ^2/NDF: 35.2/28



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:651026.7/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

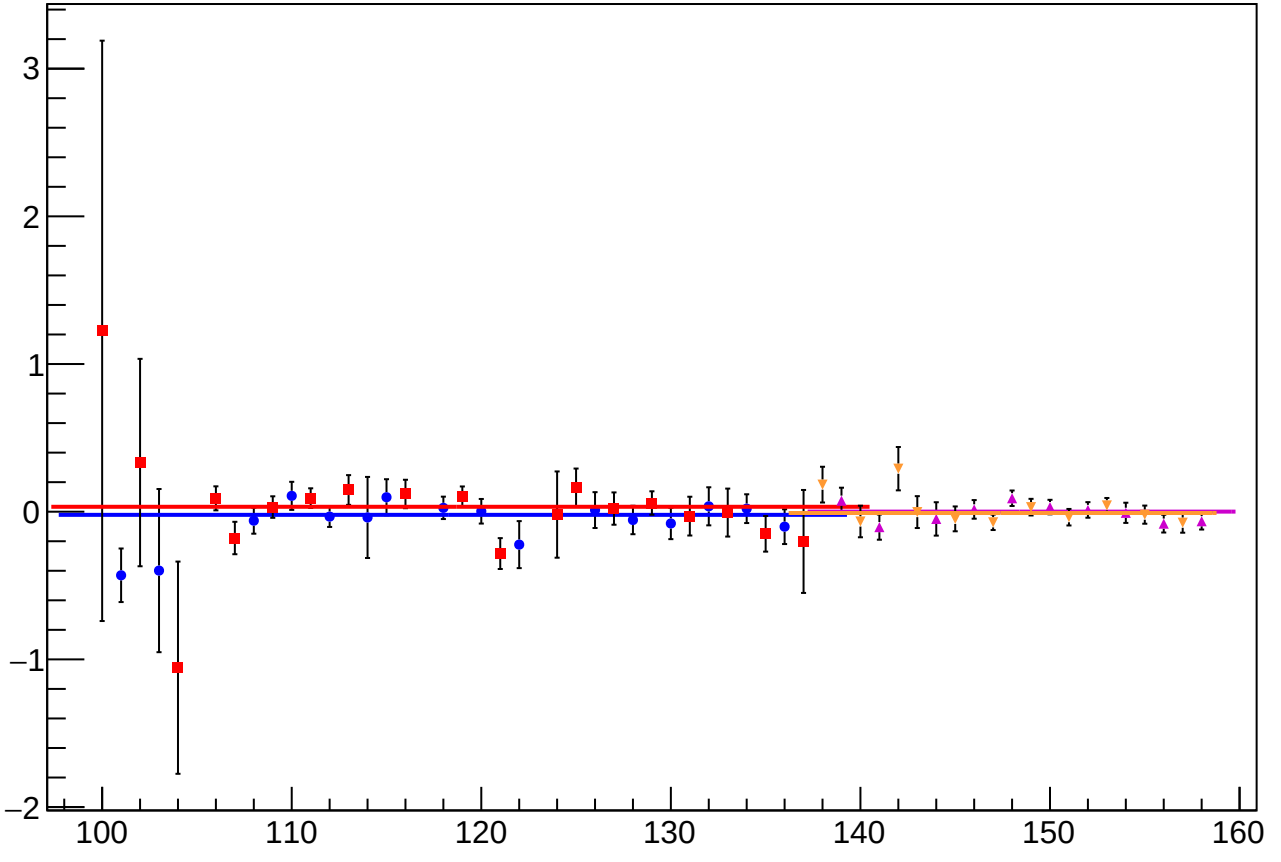
Left In: 0.000+/-0.000 χ^2/NDF:827918.5/9

+ sign 0.000+/-0.000 χ^2/NDF: 2677835.7/26

All: 0.000+/-0.000 χ^2/NDF: 5975407.3/55

- sign 0.000+/-0.000 χ^2/NDF: 3143784.1/28

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.009+/-0.021 χ^2/NDF:11.4/10

Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

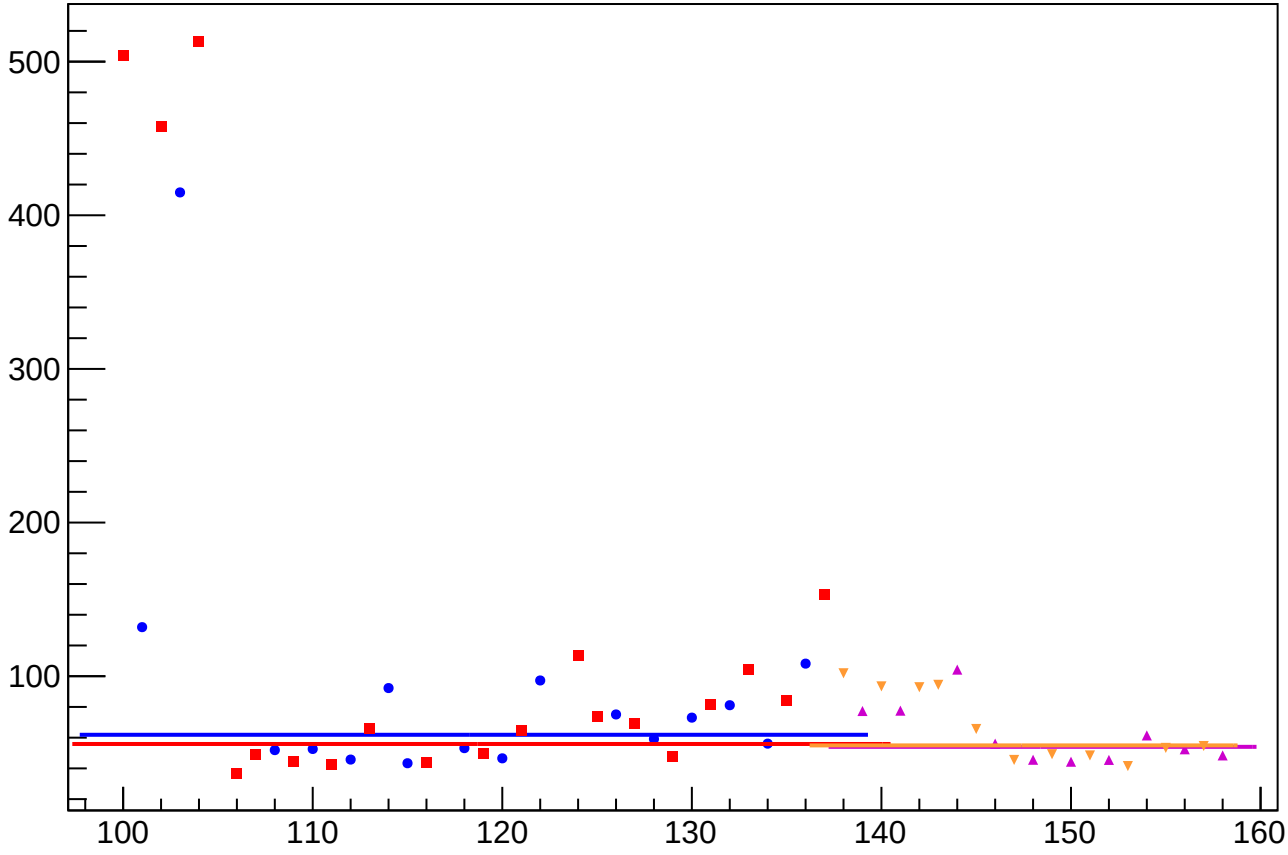
Left In: 0.001+/-0.020 χ^2/NDF:9.1/9

+ sign -0.014+/-0.016 χ^2/NDF: 23.6/26

All: 0.001+/-0.011 χ^2/NDF: 59.6/55

- sign 0.014+/-0.015 χ^2/NDF: 34.5/28

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 54.967+/-0.015 χ^2/NDF:1249088.6/10

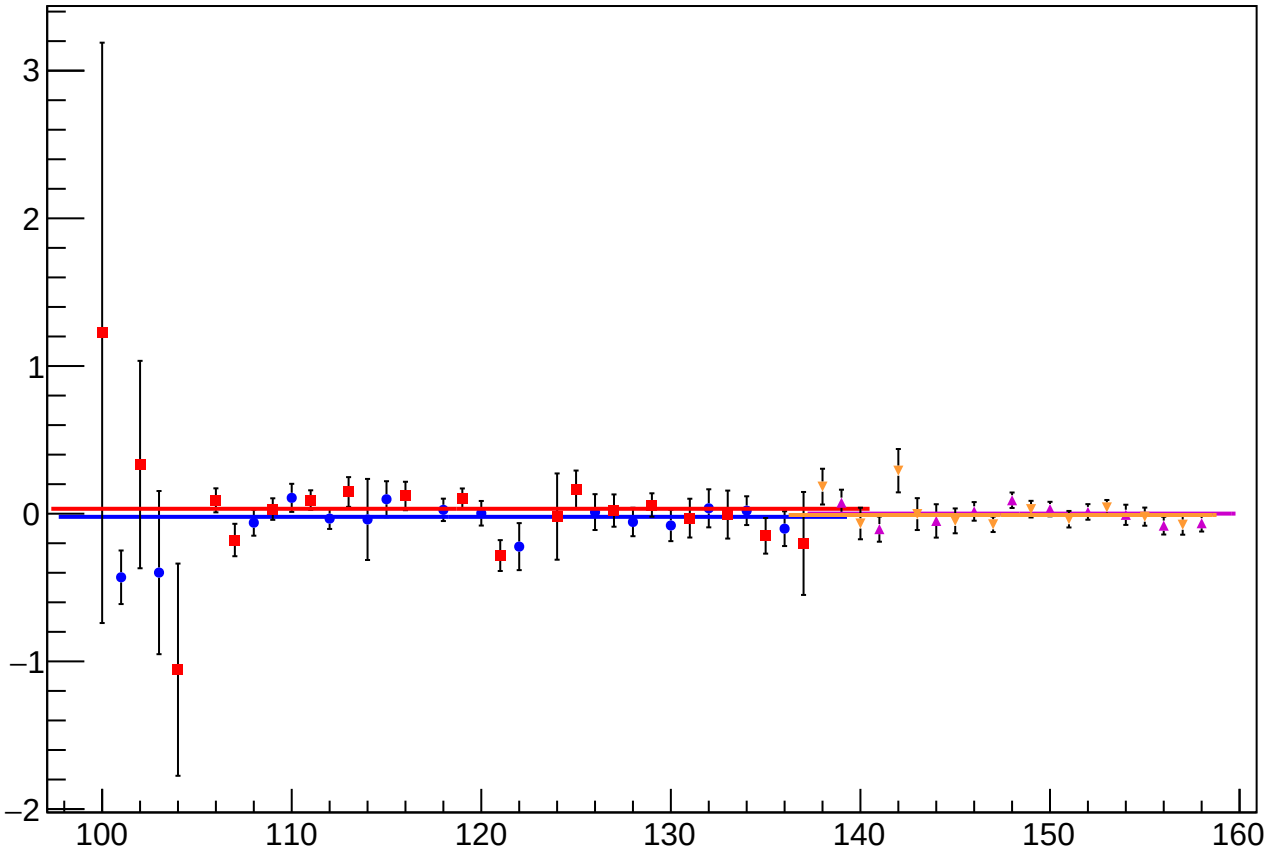
Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 54.030+/-0.014 χ^2/NDF:916421.8/9

+ sign 57.595+/-0.012 χ^2/NDF: 3270916.7/26

All: 56.095+/-0.008 χ^2/NDF: 6817199.9/55

- sign 54.763+/-0.011 χ^2/NDF: 3514608.5/28



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.009+/-0.021 χ^2/NDF:11.4/10

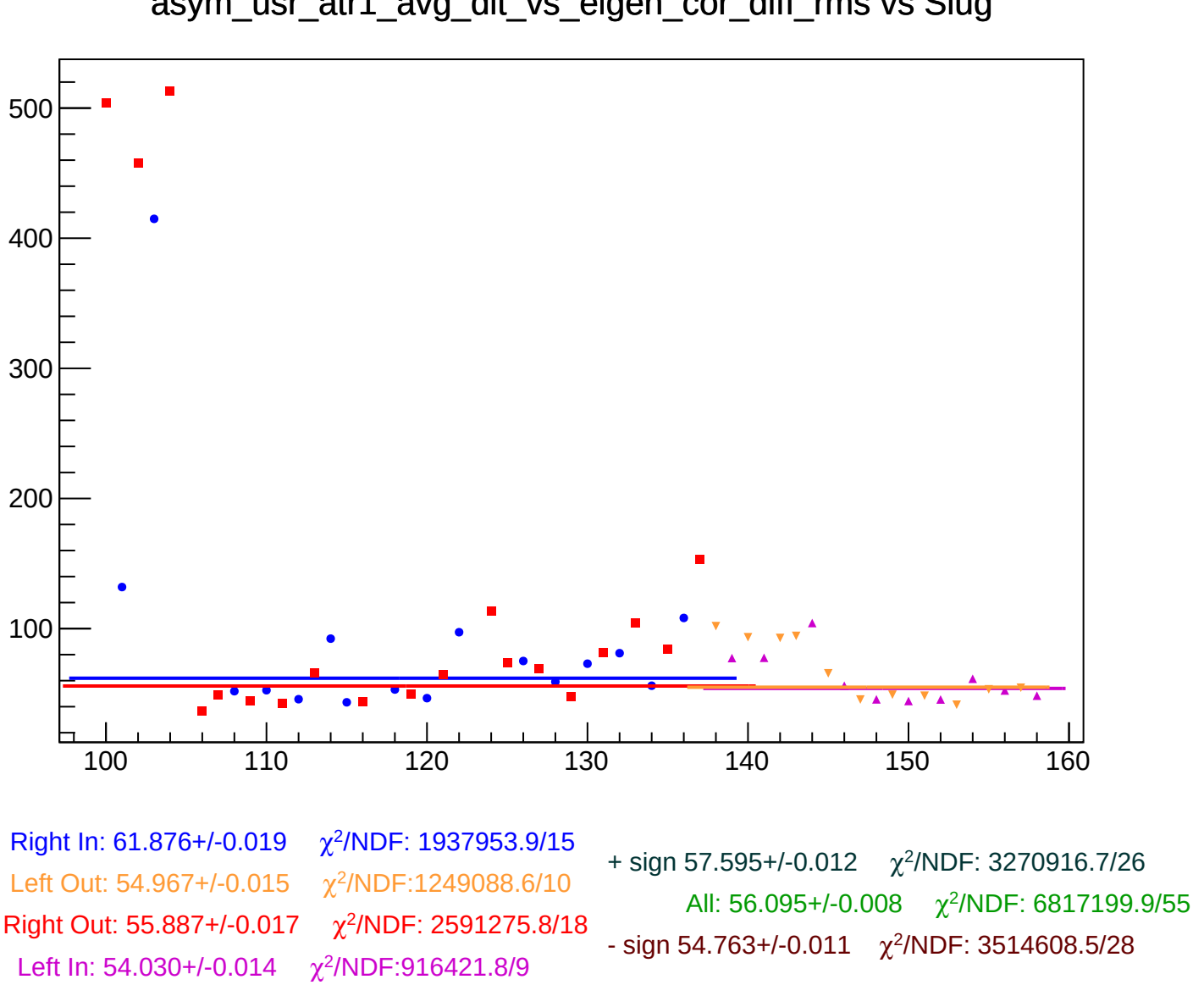
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

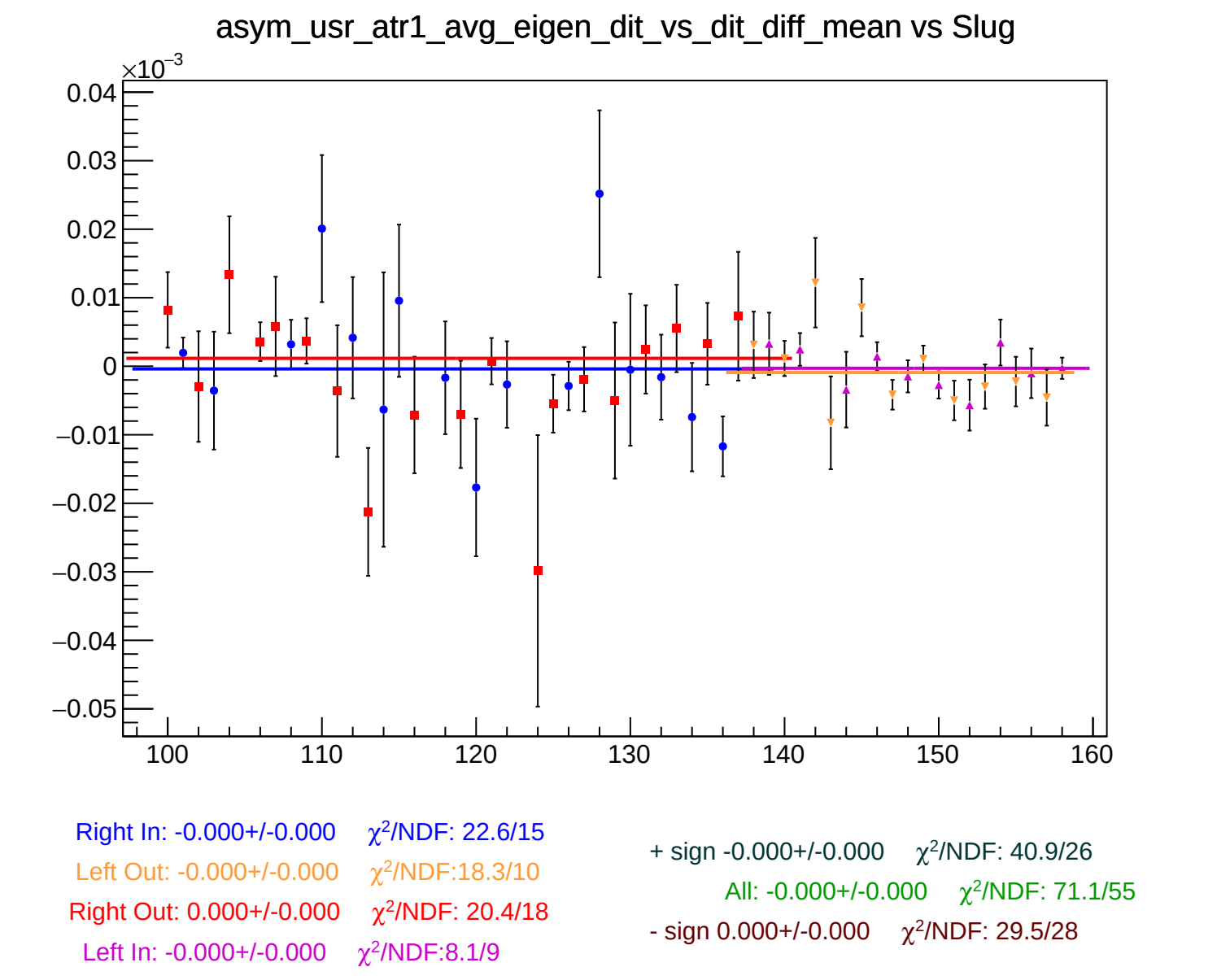
Left In: 0.001+/-0.020 χ^2/NDF:9.1/9

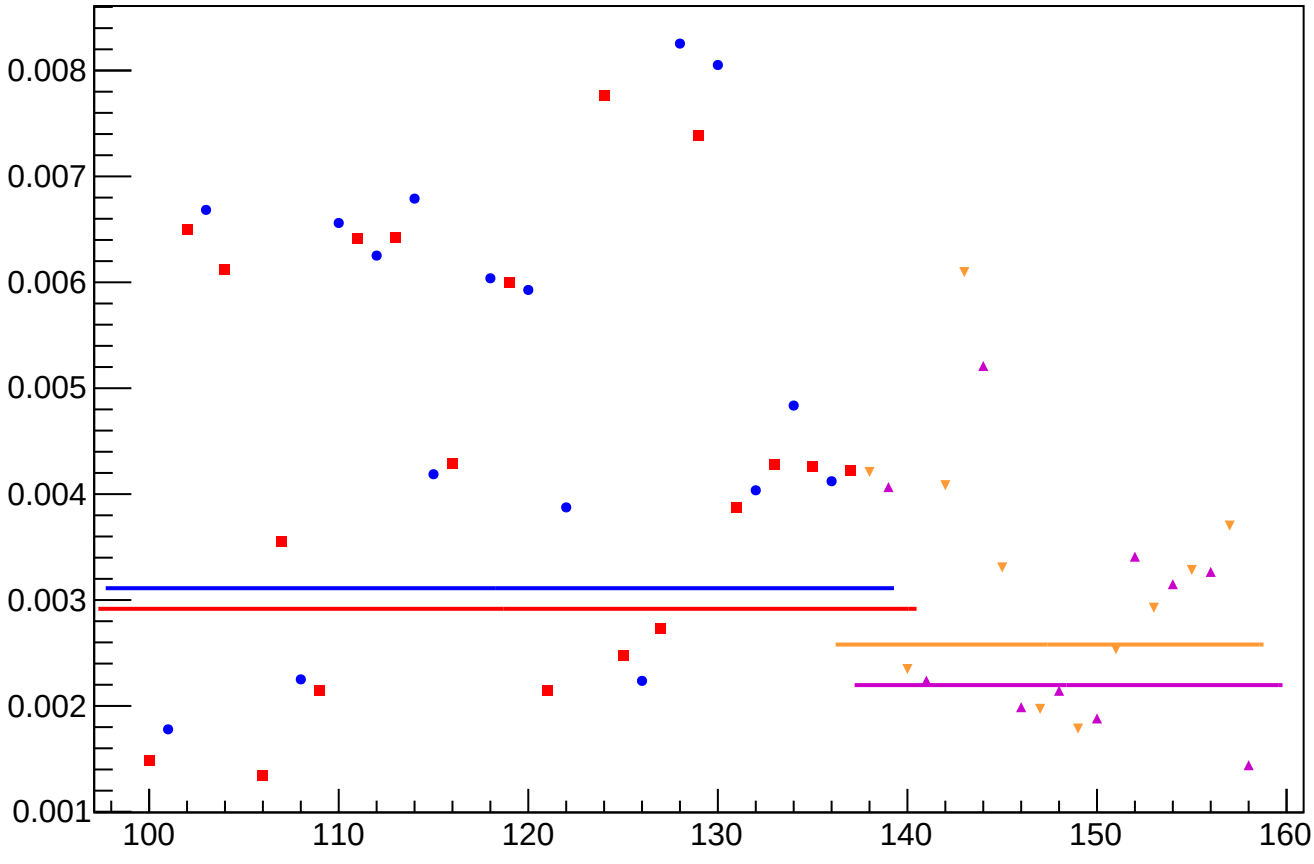
\+ sign -0.014+/-0.016 χ^2/NDF: 23.6/26

All: 0.001+/-0.011 χ^2/NDF: 59.6/55

\- sign 0.014+/-0.015 χ^2/NDF: 34.5/28


asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug
500
400
300
200
100
100
110
120
130
140
150
160
Right In: 61.876+/-0.019 χ²/NDF: 1937953.9/15
Left Out: 54.967+/-0.015 χ²/NDF:1249088.6/10
Right Out: 55.887+/-0.017 χ²/NDF: 2591275.8/18
Left In: 54.030+/-0.014 χ²/NDF:916421.8/9
+ sign 57.595+/-0.012 χ²/NDF: 3270916.7/26
All: 56.095+/-0.008 χ²/NDF: 6817199.9/55
- sign 54.763+/-0.011 χ²/NDF: 3514608.5/28


asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 22.6/15
Left Out: -0.000+/-0.000 χ²/NDF:18.3/10
Right Out: 0.000+/-0.000 χ²/NDF: 20.4/18
Left In: -0.000+/-0.000 χ²/NDF:8.1/9
+ sign -0.000+/-0.000 χ²/NDF: 40.9/26
All: -0.000+/-0.000 χ²/NDF: 71.1/55
- sign 0.000+/-0.000 χ²/NDF: 29.5/28



Right In: 0.003+/-0.000 χ^2/NDF: 3283915.1/15

Left Out: 0.003+/-0.000 χ^2/NDF:1685260.1/10

Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

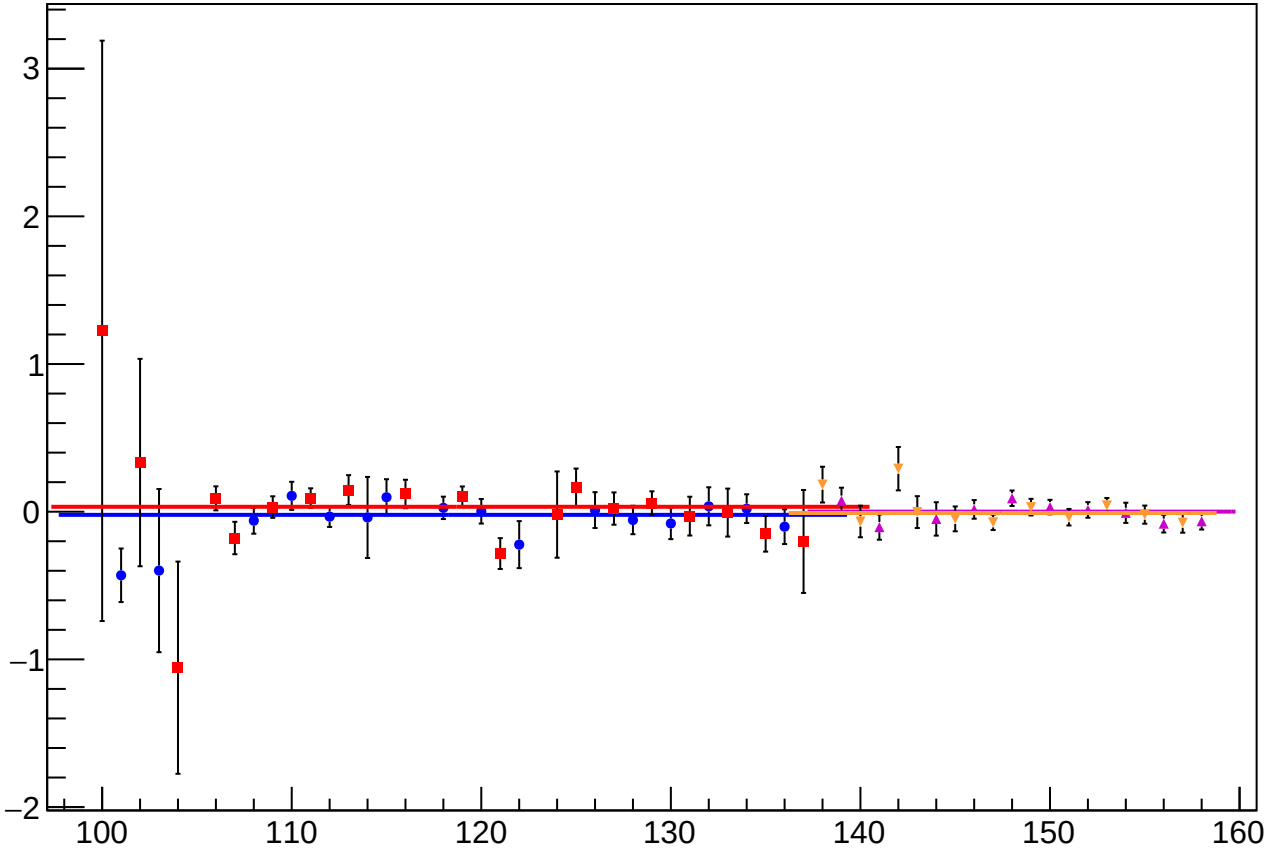
Left In: 0.002+/-0.000 χ^2/NDF:2031833.1/9

+ sign 0.003+/-0.000 χ^2/NDF: 5181675.1/26

All: 0.003+/-0.000 χ^2/NDF: 11218146.0/55

- sign 0.002+/-0.000 χ^2/NDF: 5797936.0/28

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.009+/-0.021 χ^2/NDF:11.4/10

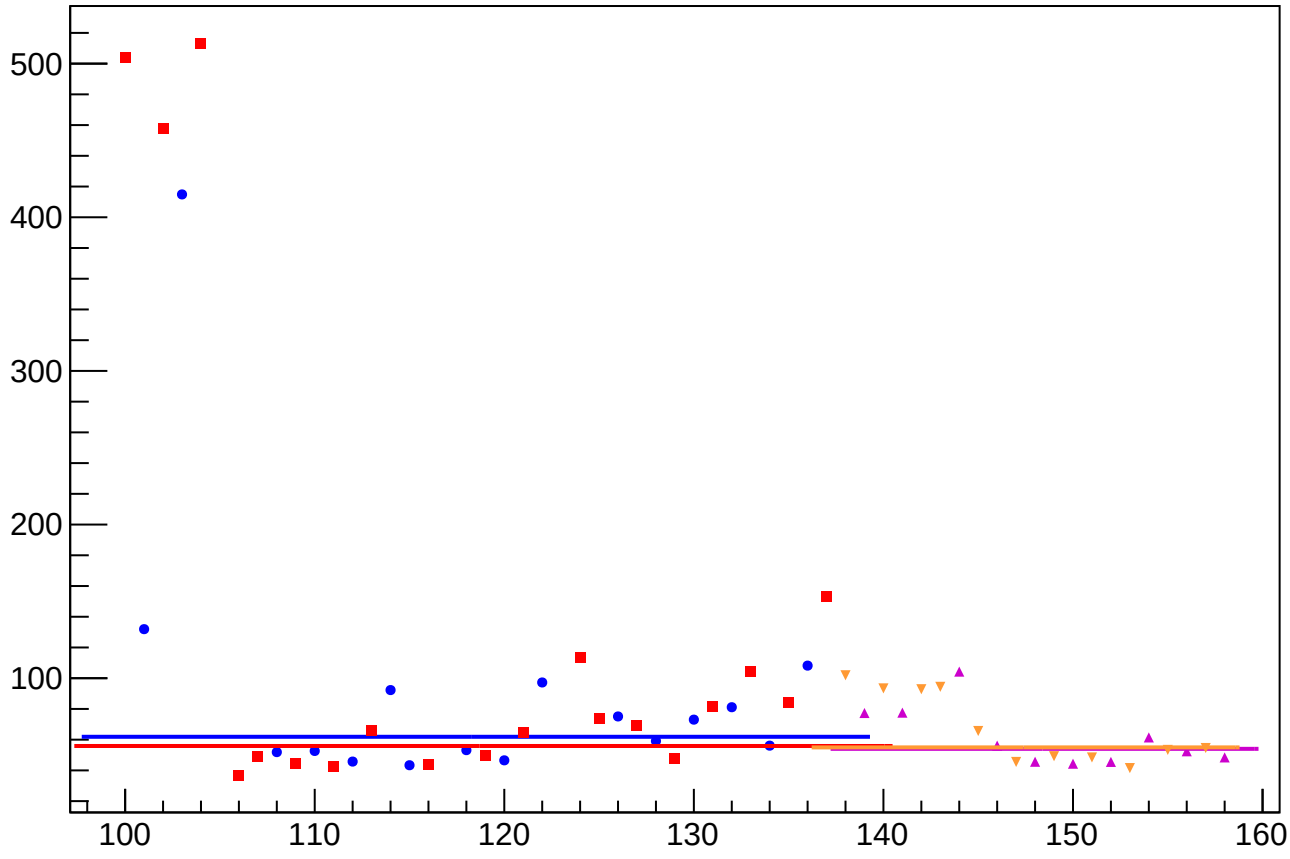
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.001+/-0.020 χ^2/NDF:9.1/9

+ sign -0.014+/-0.016 χ^2/NDF: 23.6/26

All: 0.001+/-0.011 χ^2/NDF: 59.6/55

- sign 0.014+/-0.015 χ^2/NDF: 34.5/28



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 54.967+/-0.015 χ^2/NDF:1249133.5/10

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

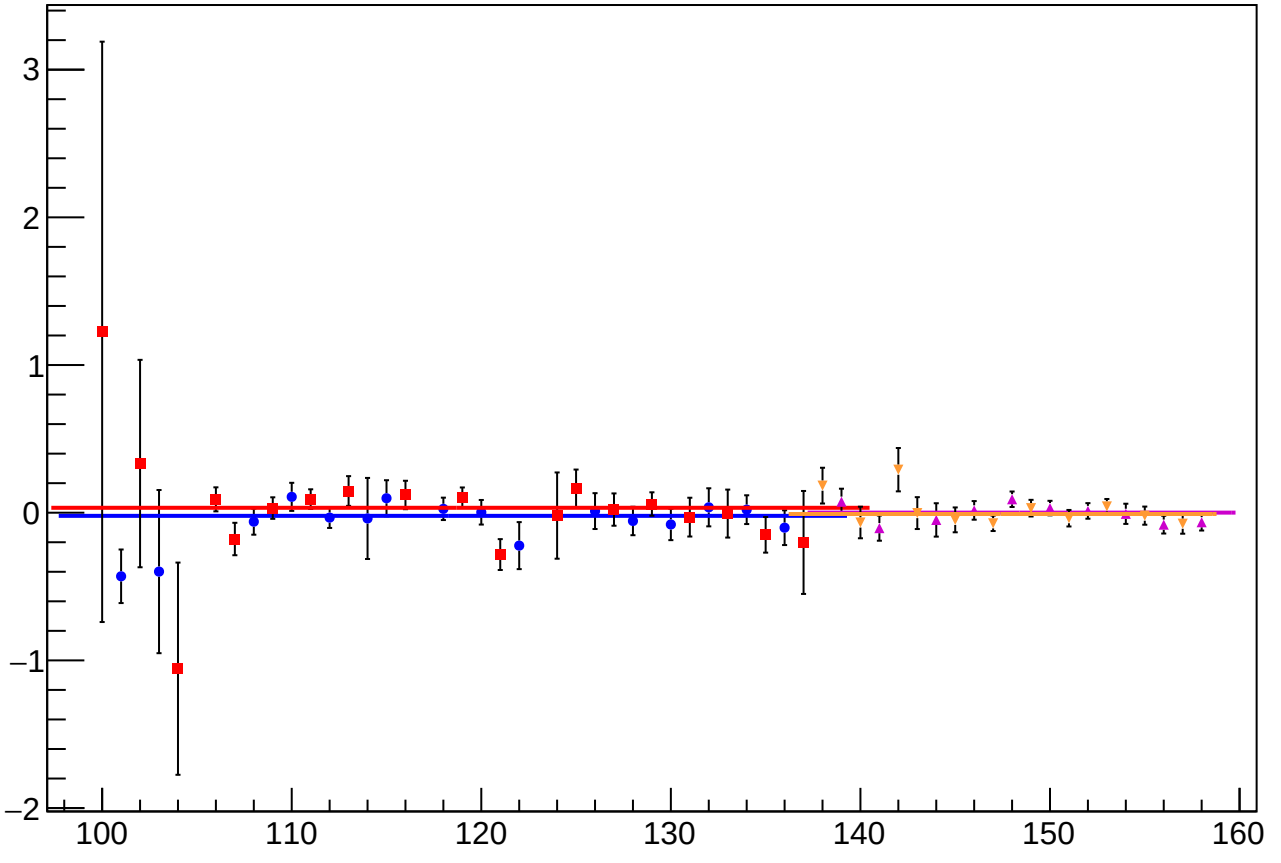
Left In: 54.030+/-0.014 χ^2/NDF:916406.0/9

+ sign 57.595+/-0.012 χ^2/NDF: 3270905.5/26

All: 56.095+/-0.008 χ^2/NDF: 6817118.3/55

- sign 54.762+/-0.011 χ^2/NDF: 3514543.3/28

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.009+/-0.021 χ^2/NDF:11.4/10

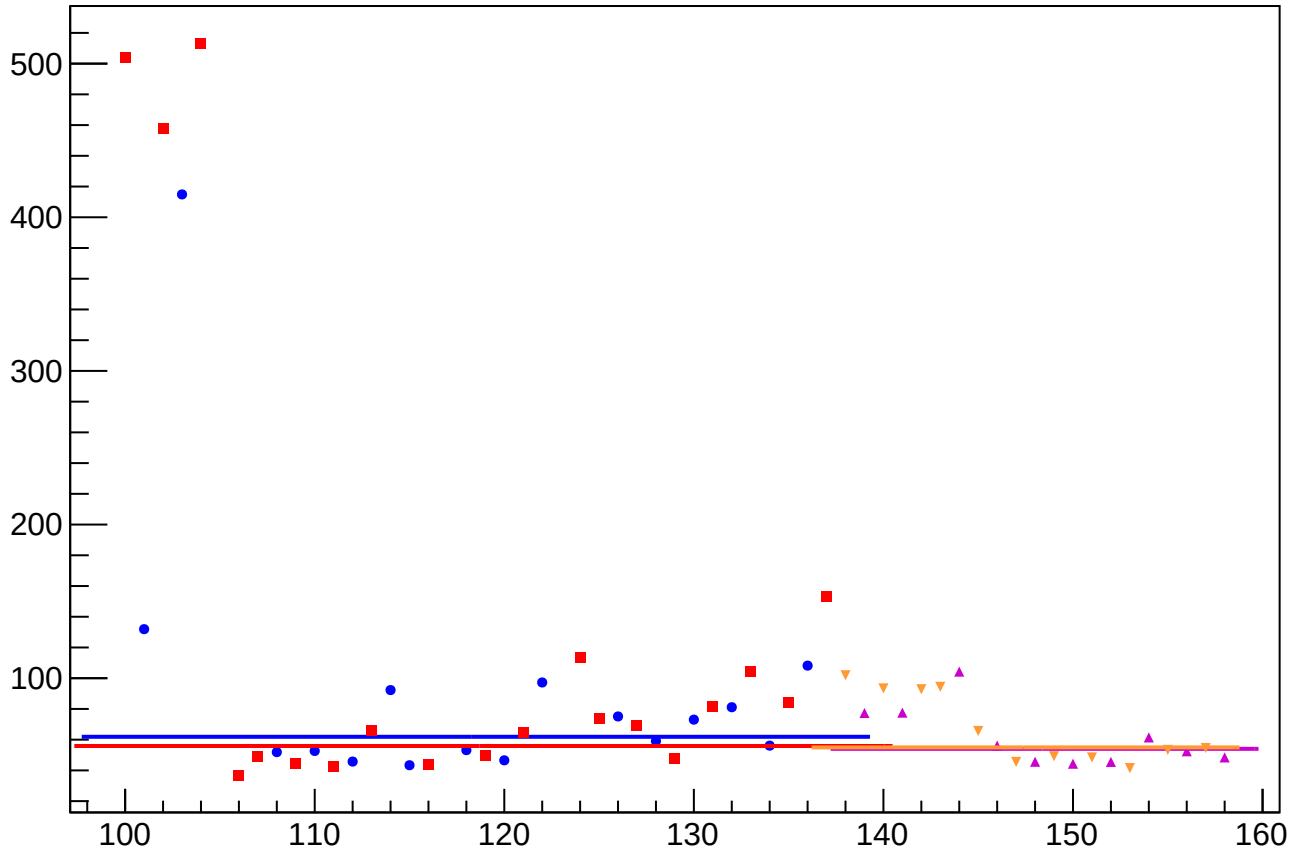
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.001+/-0.020 χ^2/NDF:9.1/9

+ sign -0.014+/-0.016 χ^2/NDF: 23.6/26

All: 0.001+/-0.011 χ^2/NDF: 59.6/55

- sign 0.014+/-0.015 χ^2/NDF: 34.5/28



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 54.967+/-0.015 χ^2/NDF:1249133.5/10

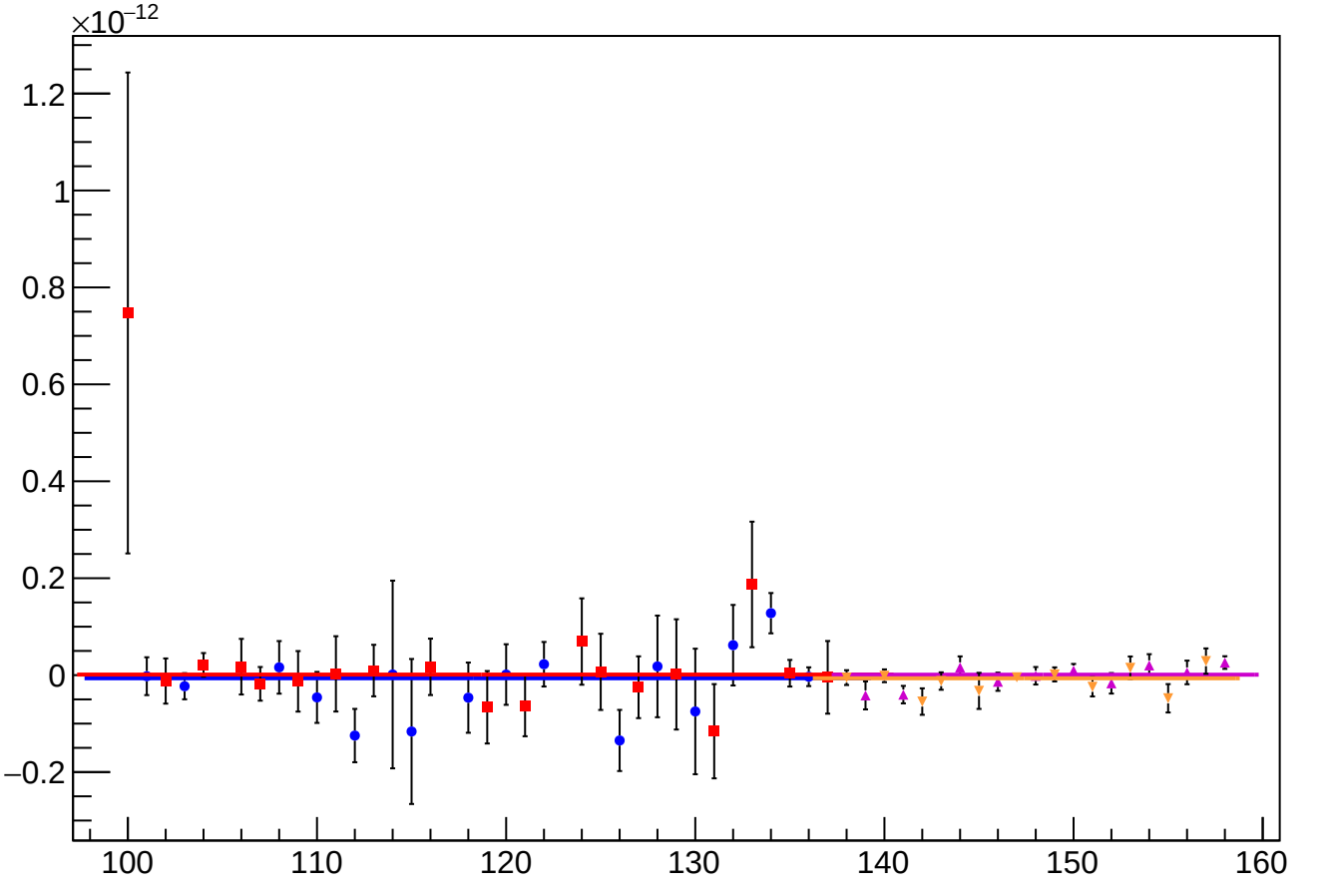
Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 54.030+/-0.014 χ^2/NDF:916406.0/9

+ sign 57.595+/-0.012 χ^2/NDF: 3270905.5/26

All: 56.095+/-0.008 χ^2/NDF: 6817118.3/55

- sign 54.762+/-0.011 χ^2/NDF: 3514543.3/28



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.7/10

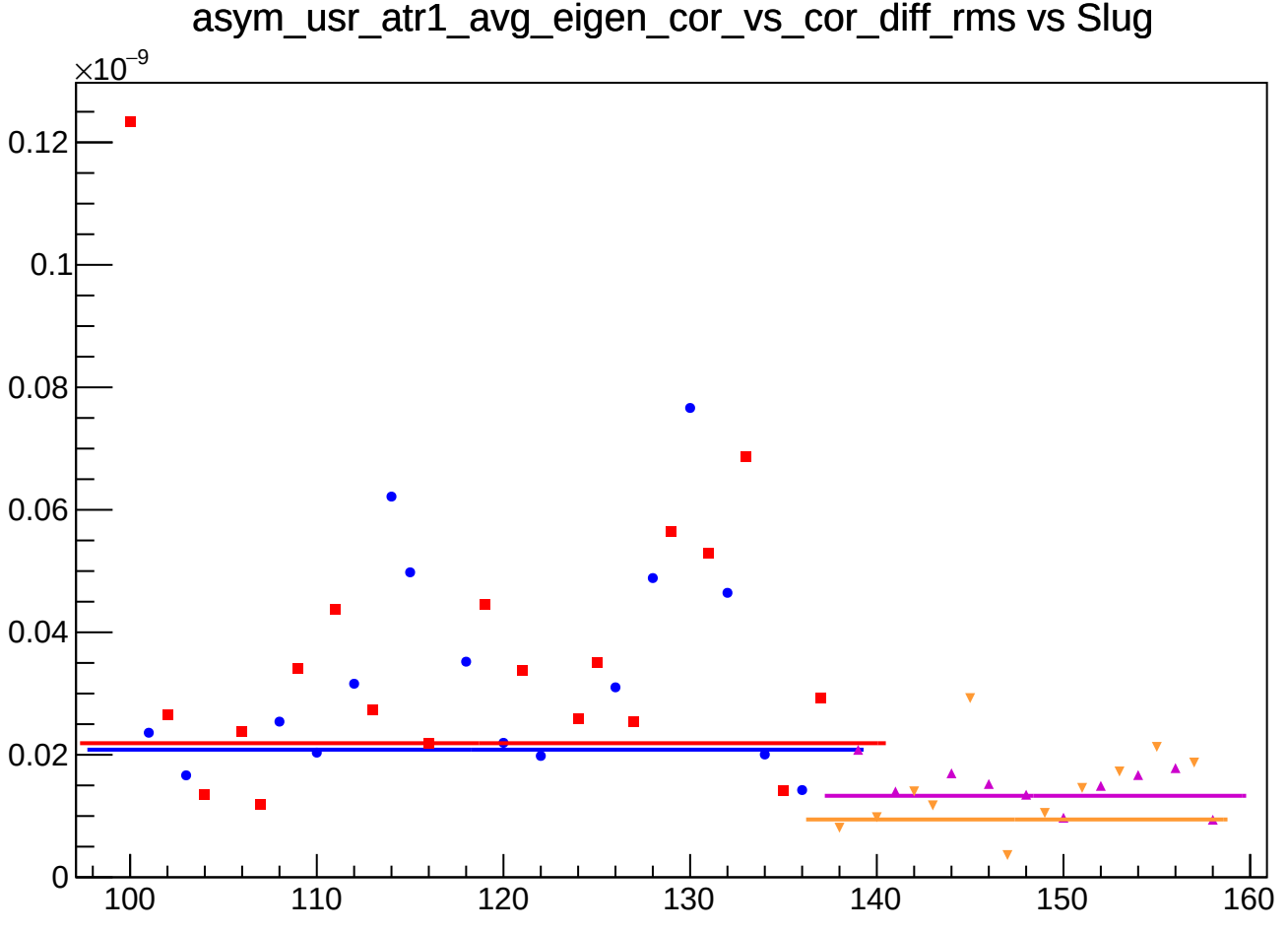
Right Out: 0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: 0.000+/-0.000 χ^2/NDF:14.0/9

+ sign -0.000+/-0.000 χ^2/NDF: 32.2/26

All: -0.000+/-0.000 χ^2/NDF: 57.1/55

- sign 0.000+/-0.000 χ^2/NDF: 23.7/28



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2591494.5/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

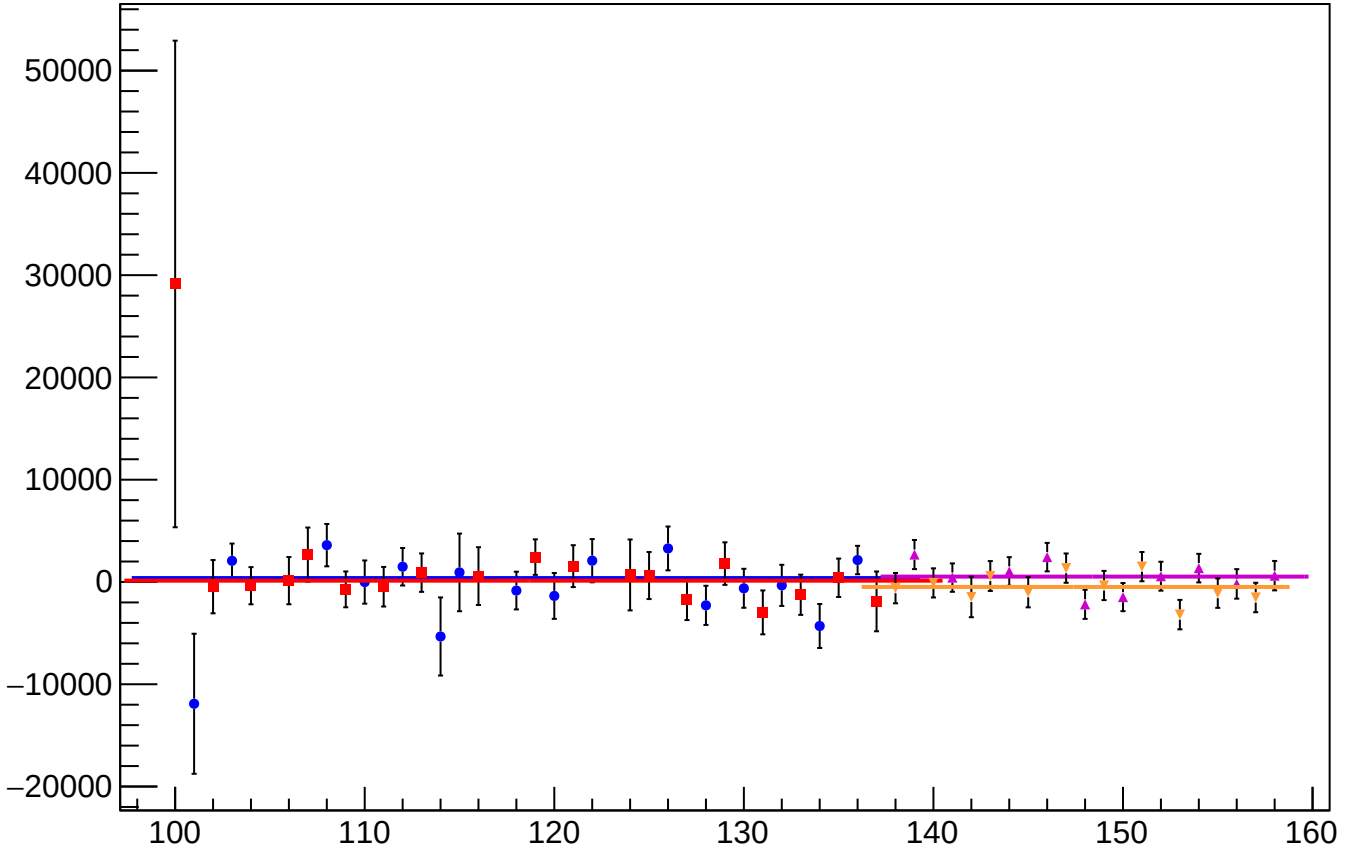
Left In: 0.000+/-0.000 χ^2/NDF:651189.0/9

+ sign 0.000+/-0.000 χ^2/NDF: 5689357.9/26

All: 0.000+/-0.000 χ^2/NDF: 9662570.5/55

- sign 0.000+/-0.000 χ^2/NDF: 3395986.1/28

reg_asym_usr_atr1_dd_mean vs Slug



Right In: 381.403+/-517.789 χ^2/NDF: 21.5/15

Left Out: -485.401+/-445.216 χ^2/NDF:8.8/10

Right Out: 127.929+/-500.988 χ^2/NDF: 10.0/18

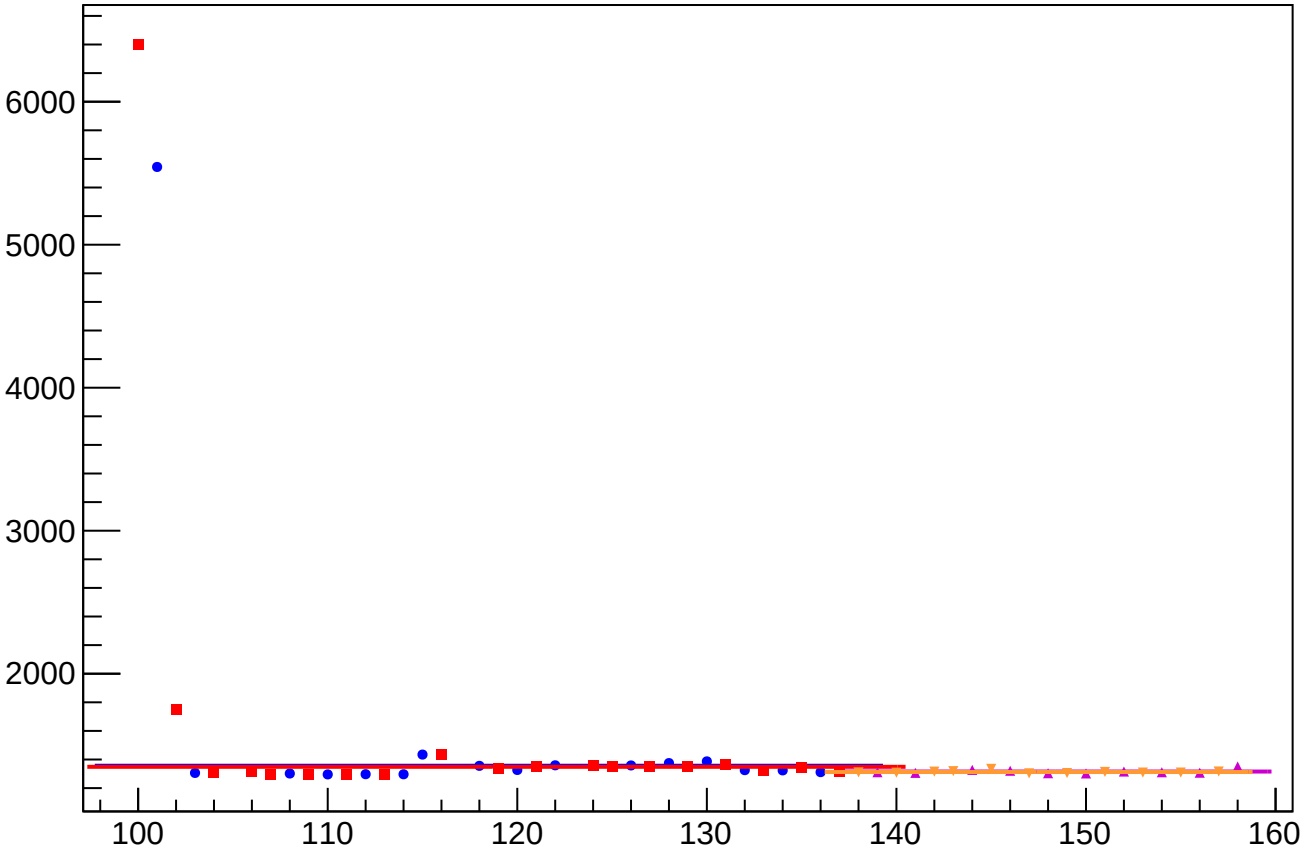
Left In: 525.082+/-445.494 χ^2/NDF:10.7/9

+ sign -116.953+/-337.583 χ^2/NDF: 31.9/26

All: 119.632+/-237.038 χ^2/NDF: 53.9/55

- sign 349.712+/-332.910 χ^2/NDF: 21.0/28

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1312.598+/-0.315 χ^2/NDF:682.8/10

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

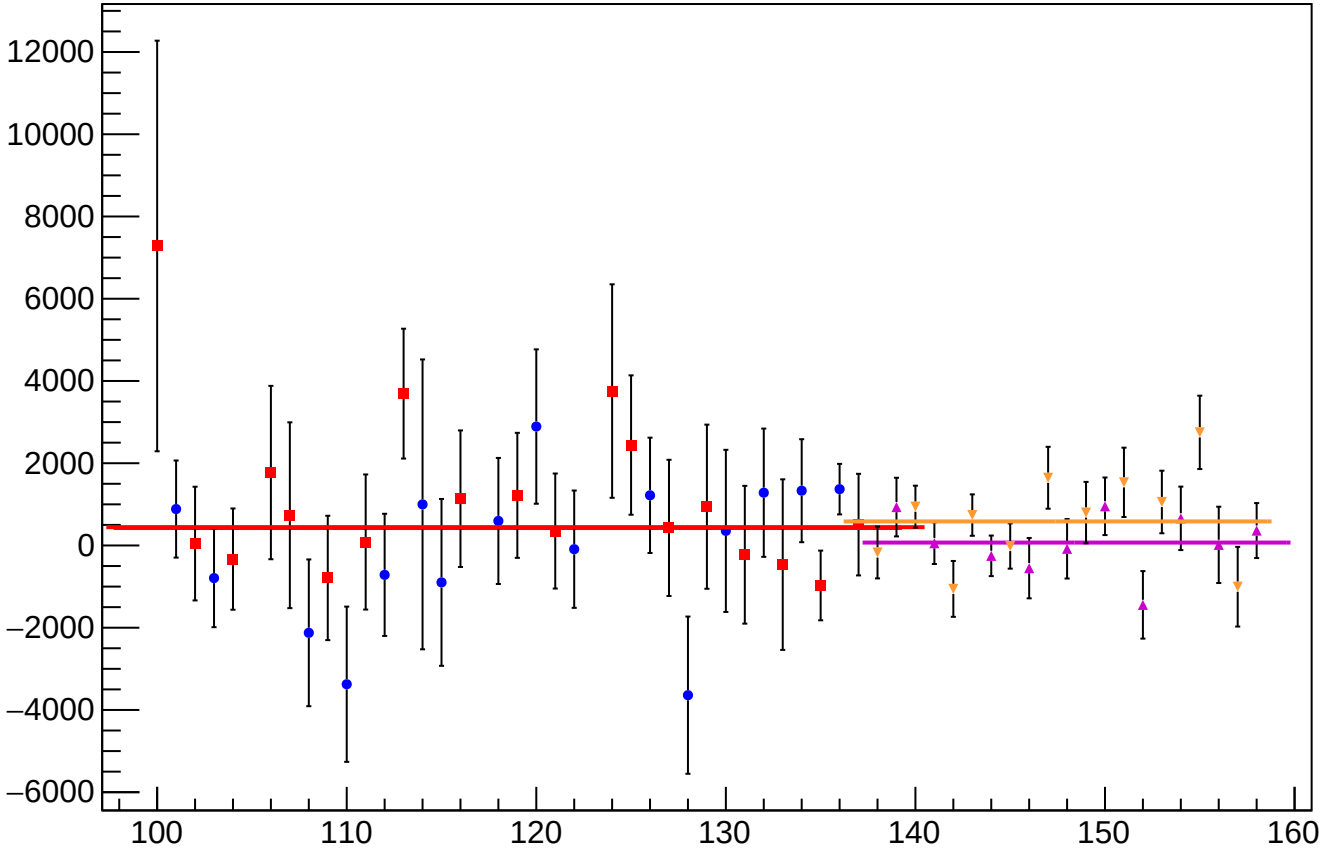
Left In: 1315.848+/-0.315 χ^2/NDF:1911.9/9

+ sign 1331.216+/-0.239 χ^2/NDF: 769176.5/26

All: 1330.841+/-0.168 χ^2/NDF: 923242.1/55

- sign 1330.476+/-0.235 χ^2/NDF: 154060.7/28

asym_usr_atr1_dd_reg_correction_mean vs Slug



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: 584.665+/-200.832 χ^2/NDF:21.3/10

Right Out: 444.555+/-355.594 χ^2/NDF: 14.4/18

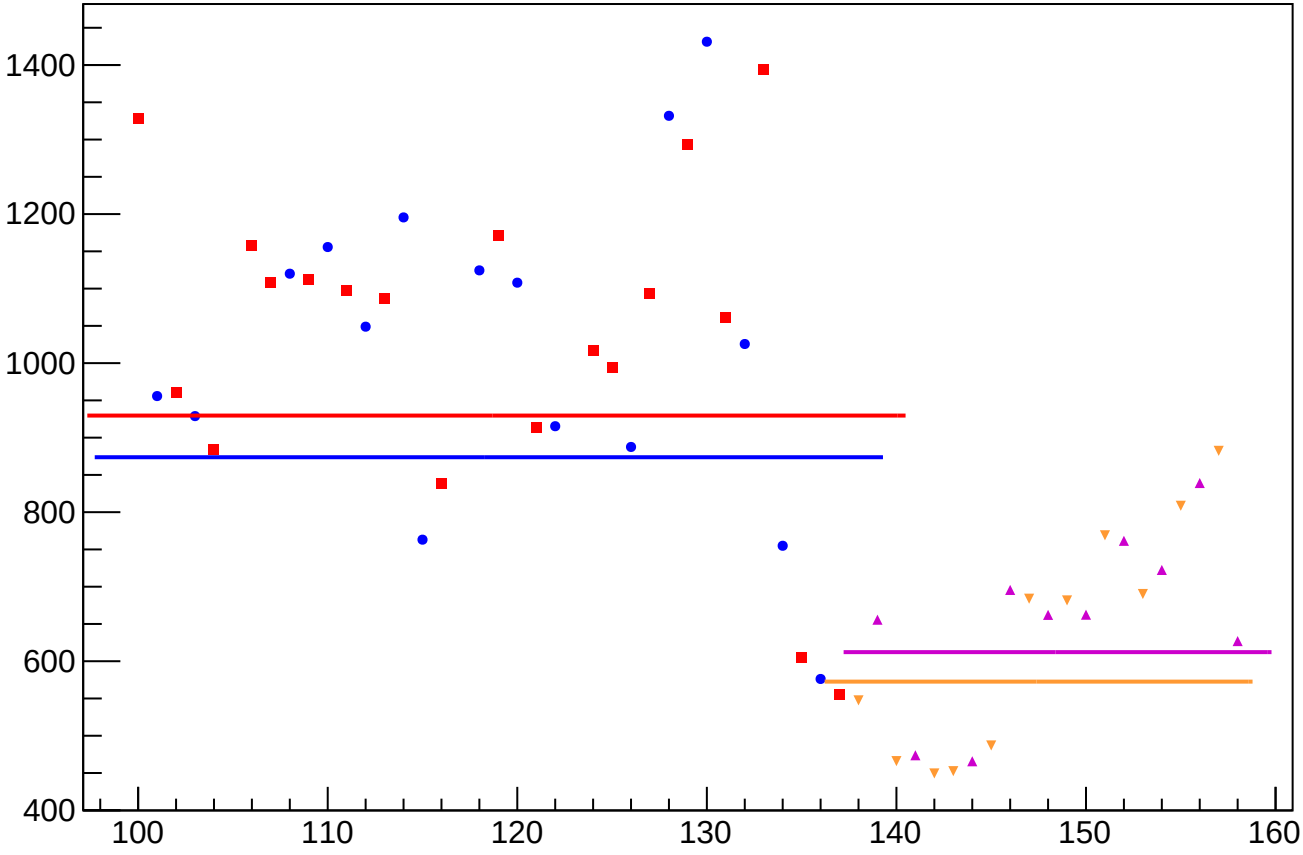
Left In: 70.416+/-211.514 χ^2/NDF:8.4/9

+ sign 544.484+/-172.715 χ^2/NDF: 39.7/26

All: 365.962+/-125.212 χ^2/NDF: 65.6/55

- sign 168.195+/-181.786 χ^2/NDF: 23.6/28

asym_usr_atr1_dd_reg_correction_rms vs Slug



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 572.626+/-0.142 χ^2/NDF:905395.8/10

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

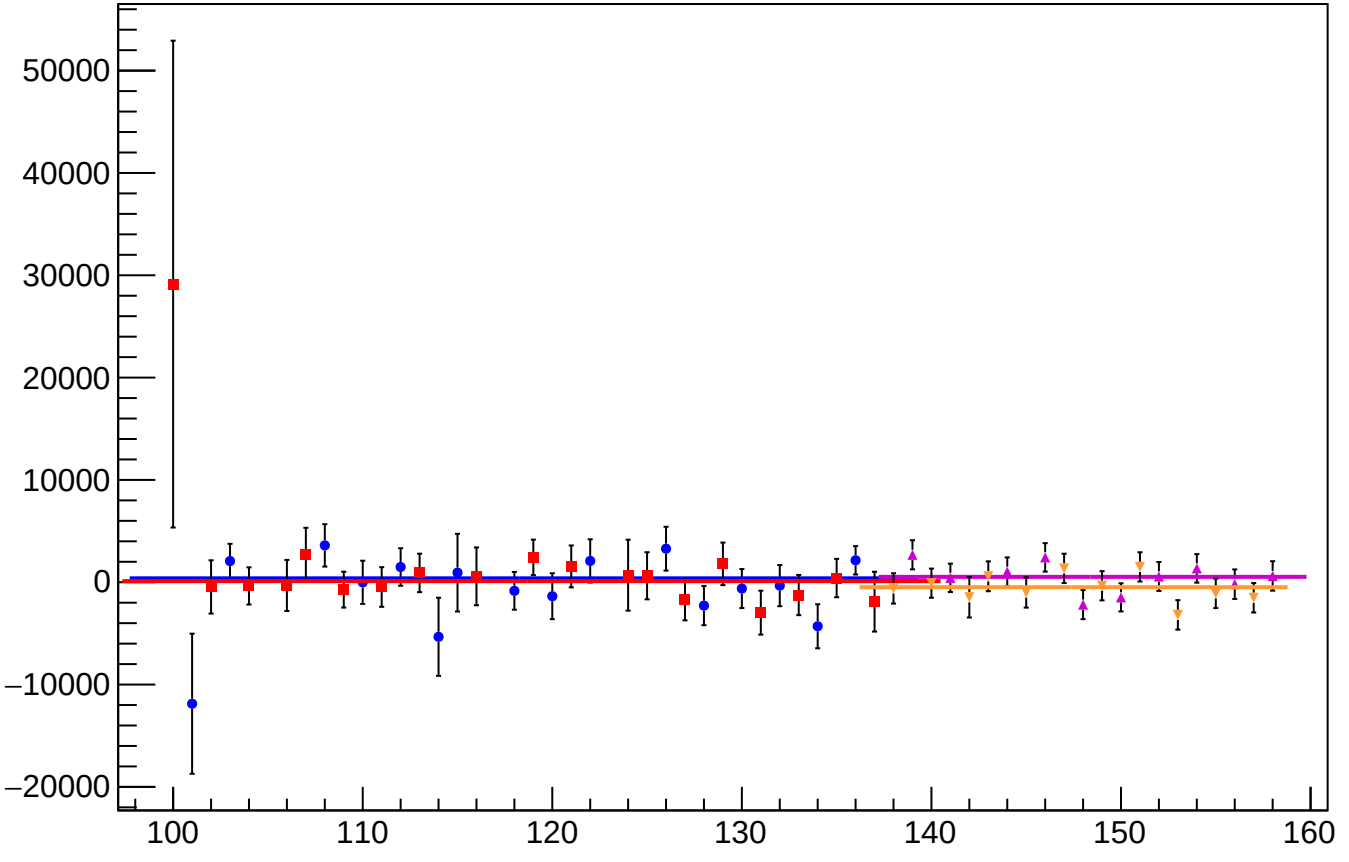
Left In: 612.194+/-0.150 χ^2/NDF:606792.6/9

+ sign 651.035+/-0.122 χ^2/NDF: 3090972.8/26

All: 671.967+/-0.089 χ^2/NDF: 5796936.1/55

- sign 695.156+/-0.129 χ^2/NDF: 2644045.2/28

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -485.484+/-445.216 χ^2/NDF:8.8/10

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

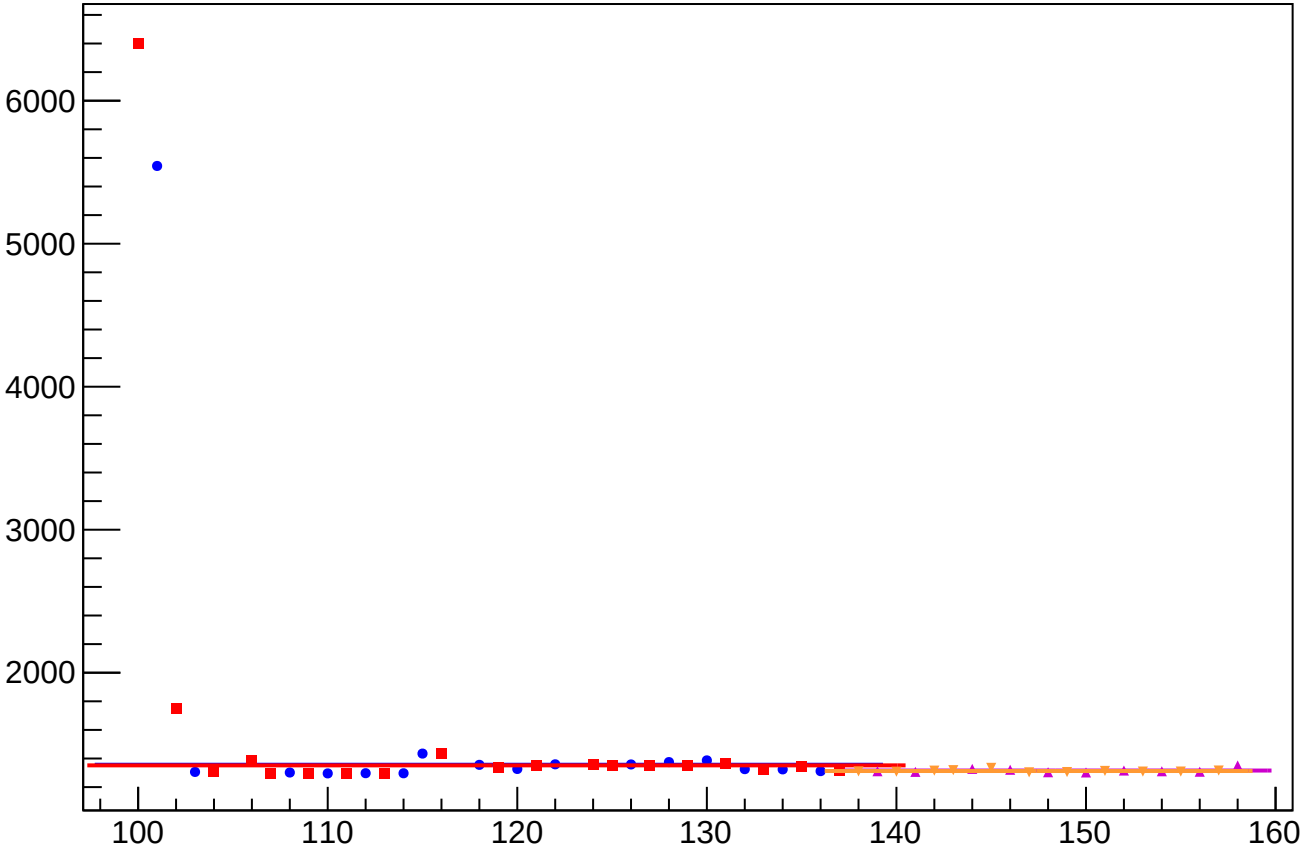
Left In: 525.114+/-445.494 χ^2/NDF:10.7/9

+ sign -116.869+/-337.583 χ^2/NDF: 31.9/26

All: 115.739+/-237.218 χ^2/NDF: 53.9/55

- sign 342.633+/-333.410 χ^2/NDF: 21.0/28

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1312.598+/-0.315 χ^2/NDF:682.8/10

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

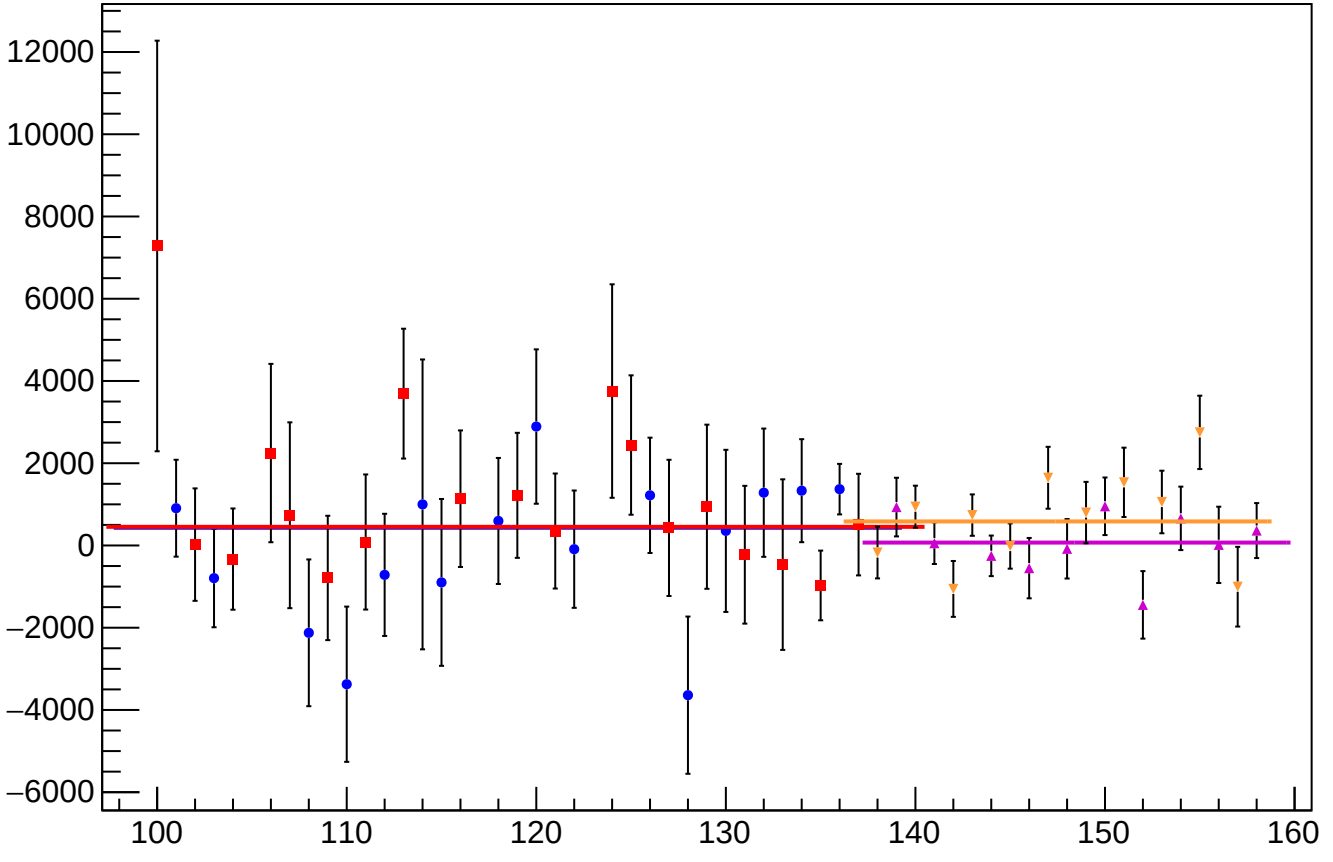
Left In: 1315.848+/-0.315 χ^2/NDF:1911.9/9

+ sign 1331.216+/-0.239 χ^2/NDF: 769175.6/26

All: 1331.505+/-0.168 χ^2/NDF: 924237.3/55

- sign 1331.788+/-0.236 χ^2/NDF: 155058.9/28

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 584.598+/-200.833 χ^2/NDF:21.3/10

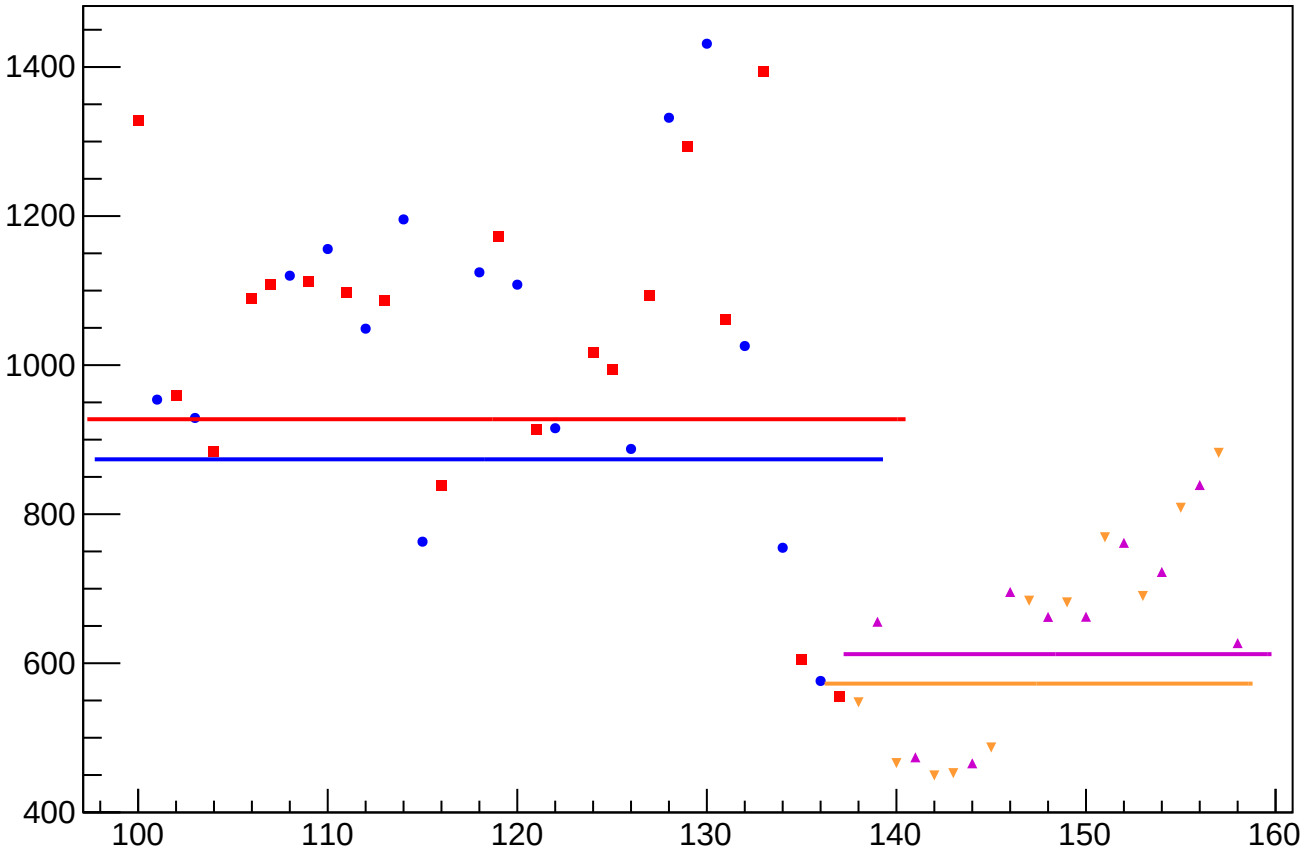
Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: 70.358+/-211.512 χ^2/NDF:8.4/9

\+ sign 544.886+/-172.708 χ^2/NDF: 39.7/26

All: 367.210+/-125.209 χ^2/NDF: 65.9/55

\- sign 170.366+/-181.785 χ^2/NDF: 24.0/28



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 572.630+/-0.142 χ^2/NDF:905364.5/10

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

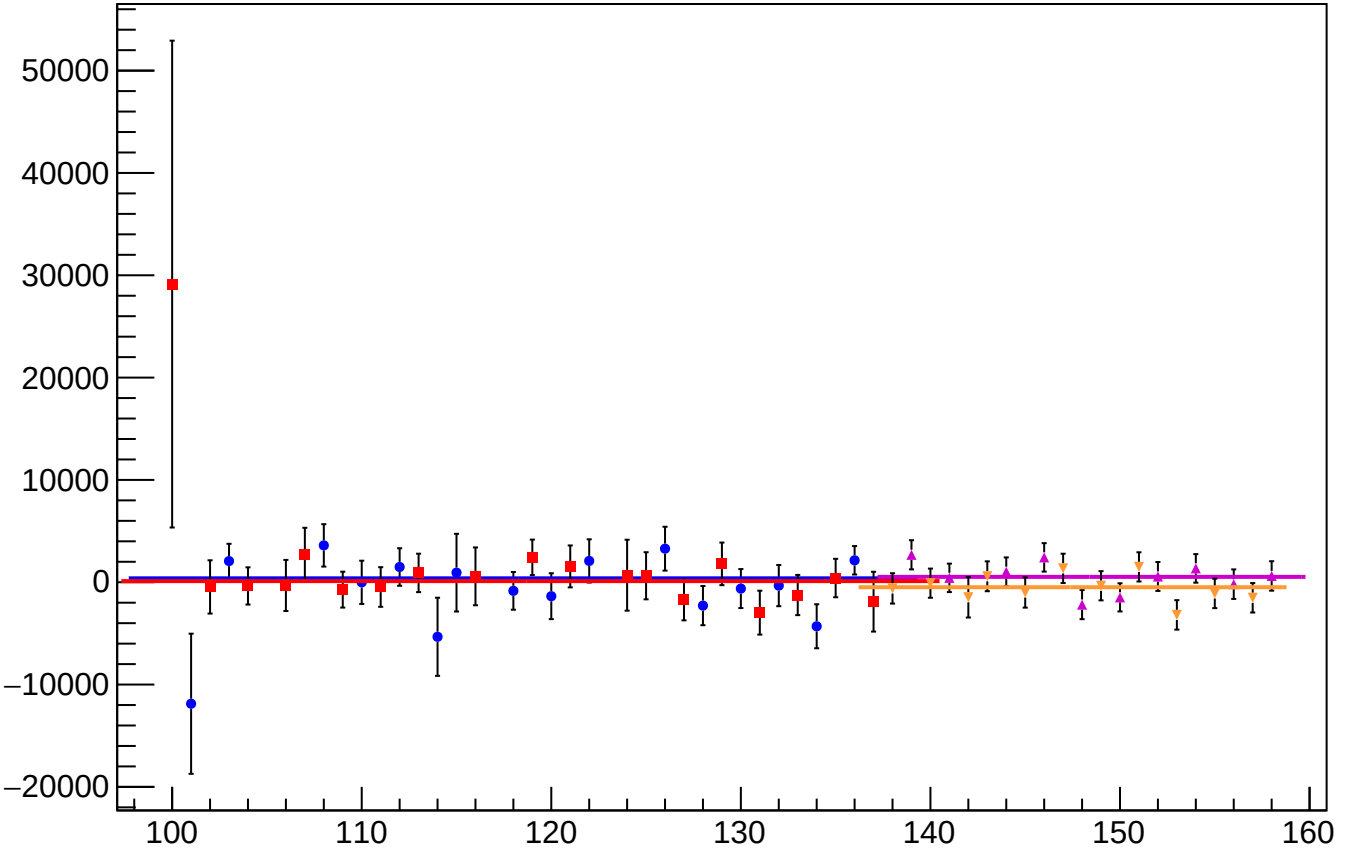
Left In: 612.186+/-0.150 χ^2/NDF:606847.9/9

\+ sign 651.025+/-0.122 χ^2/NDF: 3089759.9/26

All: 671.681+/-0.089 χ^2/NDF: 5765165.8/55

\- sign 694.564+/-0.129 χ^2/NDF: 2615105.8/28

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -485.484+/-445.216 χ^2/NDF:8.8/10

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

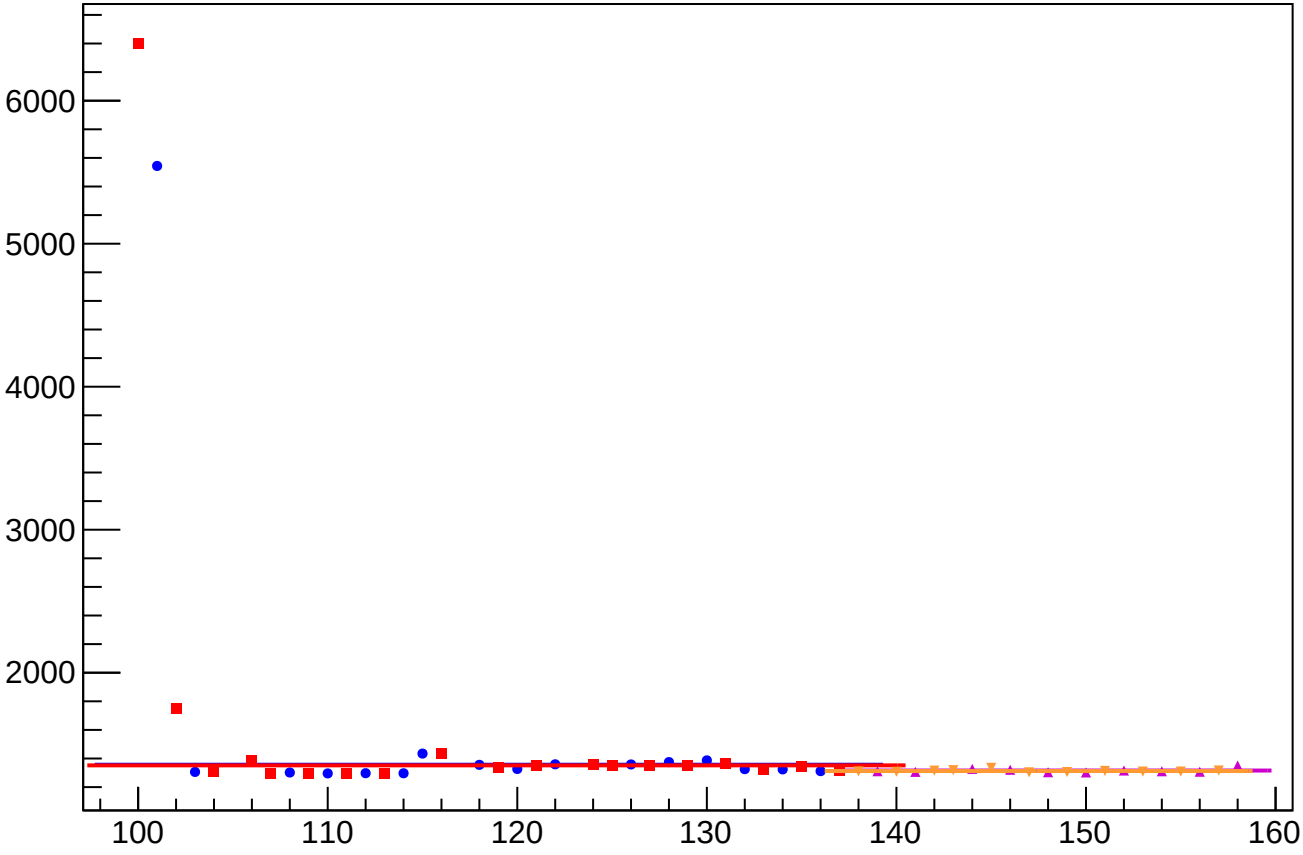
Left In: 525.114+/-445.494 χ^2/NDF:10.7/9

+ sign -116.869+/-337.583 χ^2/NDF: 31.9/26

All: 115.739+/-237.218 χ^2/NDF: 53.9/55

- sign 342.633+/-333.410 χ^2/NDF: 21.0/28

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1312.598+/-0.315 χ^2/NDF:682.8/10

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

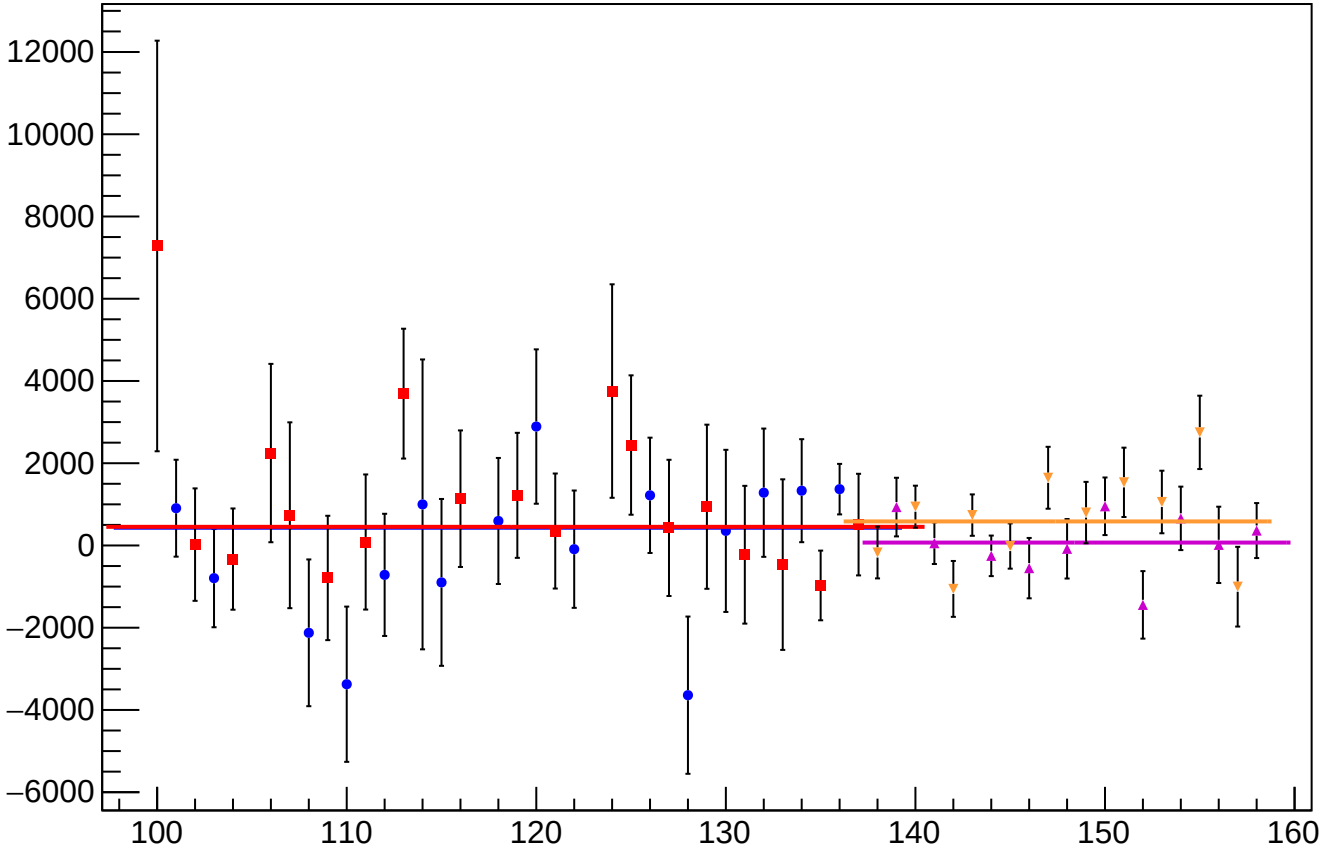
Left In: 1315.848+/-0.315 χ^2/NDF:1911.9/9

+ sign 1331.216+/-0.239 χ^2/NDF: 769175.6/26

All: 1331.505+/-0.168 χ^2/NDF: 924237.3/55

- sign 1331.788+/-0.236 χ^2/NDF: 155058.9/28

asym_usr_atr1_dd_eigen_cor_correction_mean vs Slug



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 584.598+/-200.833 χ^2/NDF:21.3/10

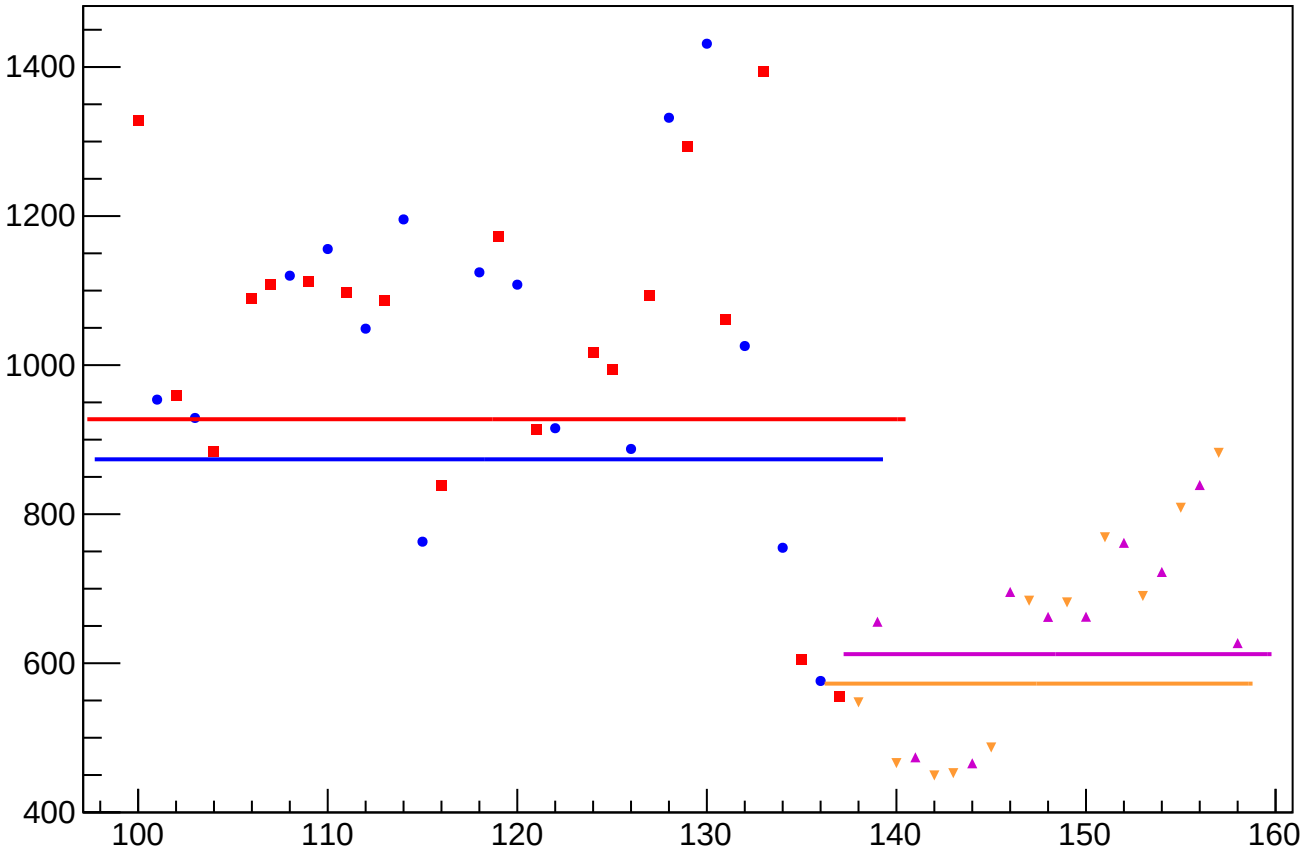
Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: 70.358+/-211.512 χ^2/NDF:8.4/9

+ sign 544.886+/-172.708 χ^2/NDF: 39.7/26

All: 367.210+/-125.209 χ^2/NDF: 65.9/55

- sign 170.366+/-181.785 χ^2/NDF: 24.0/28



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 572.630+/-0.142 χ^2/NDF:905364.5/10

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

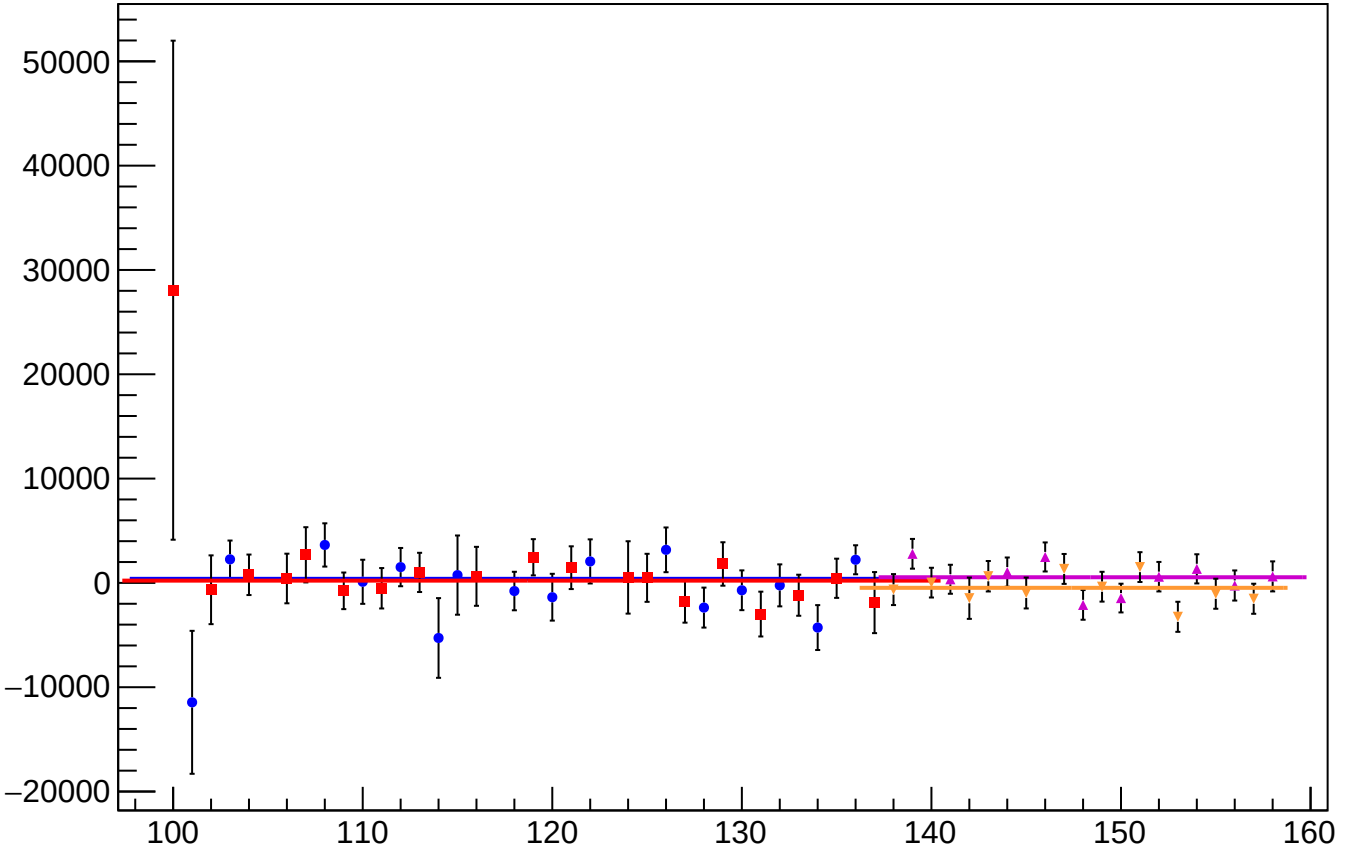
Left In: 612.186+/-0.150 χ^2/NDF:606847.9/9

+ sign 651.025+/-0.122 χ^2/NDF: 3089759.9/26

All: 671.681+/-0.089 χ^2/NDF: 5765165.8/55

- sign 694.564+/-0.129 χ^2/NDF: 2615105.8/28

dit_asym_usr_atr1_dd_mean vs Slug



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -472.061+/-445.557 χ^2/NDF:9.0/10

Right Out: 218.184+/-507.927 χ^2/NDF: 10.0/18

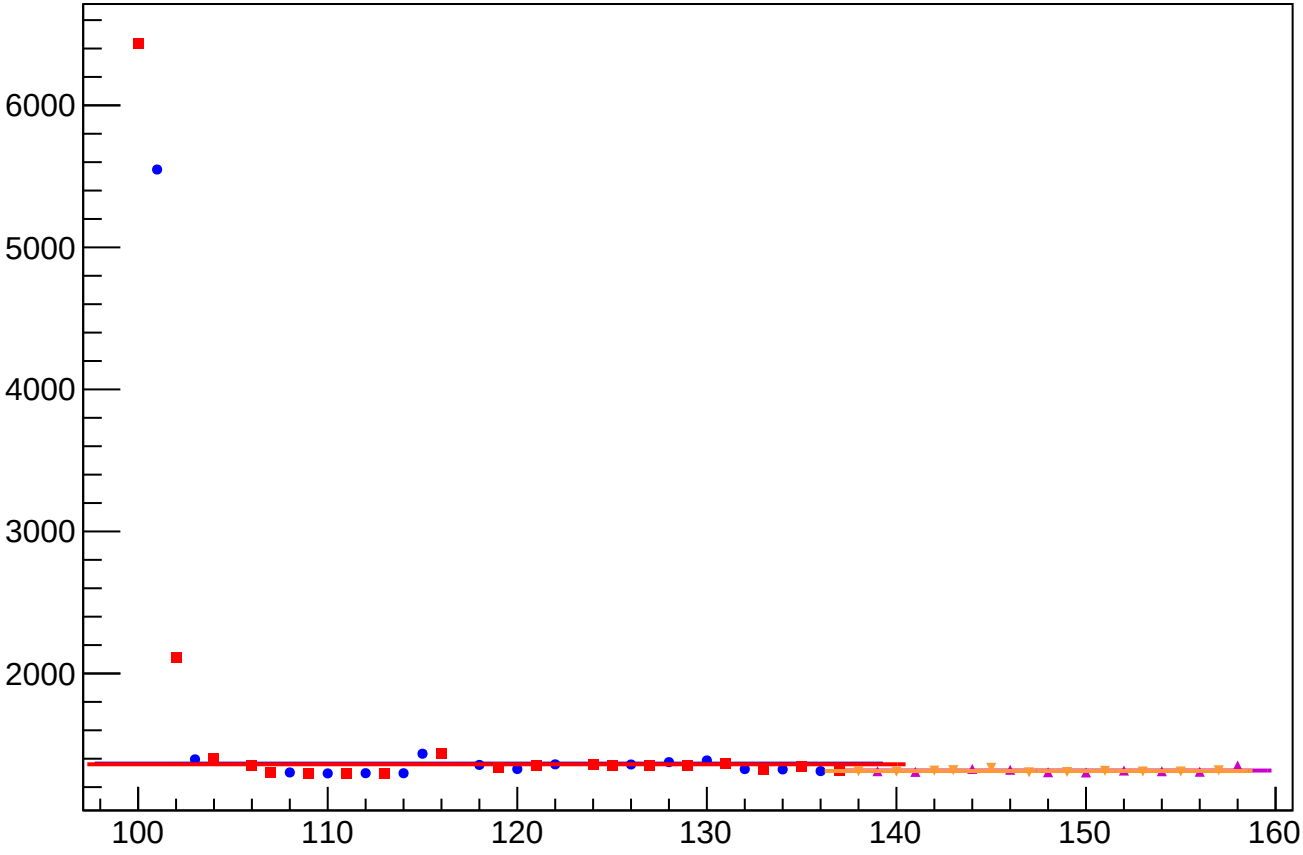
Left In: 541.445+/-445.796 χ^2/NDF:10.8/9

+ sign -108.060+/-338.661 χ^2/NDF: 32.0/26

All: 149.089+/-238.183 χ^2/NDF: 54.1/55

- sign 400.784+/-335.051 χ^2/NDF: 21.0/28

dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1313.601+/-0.315 χ^2/NDF:682.1/10

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

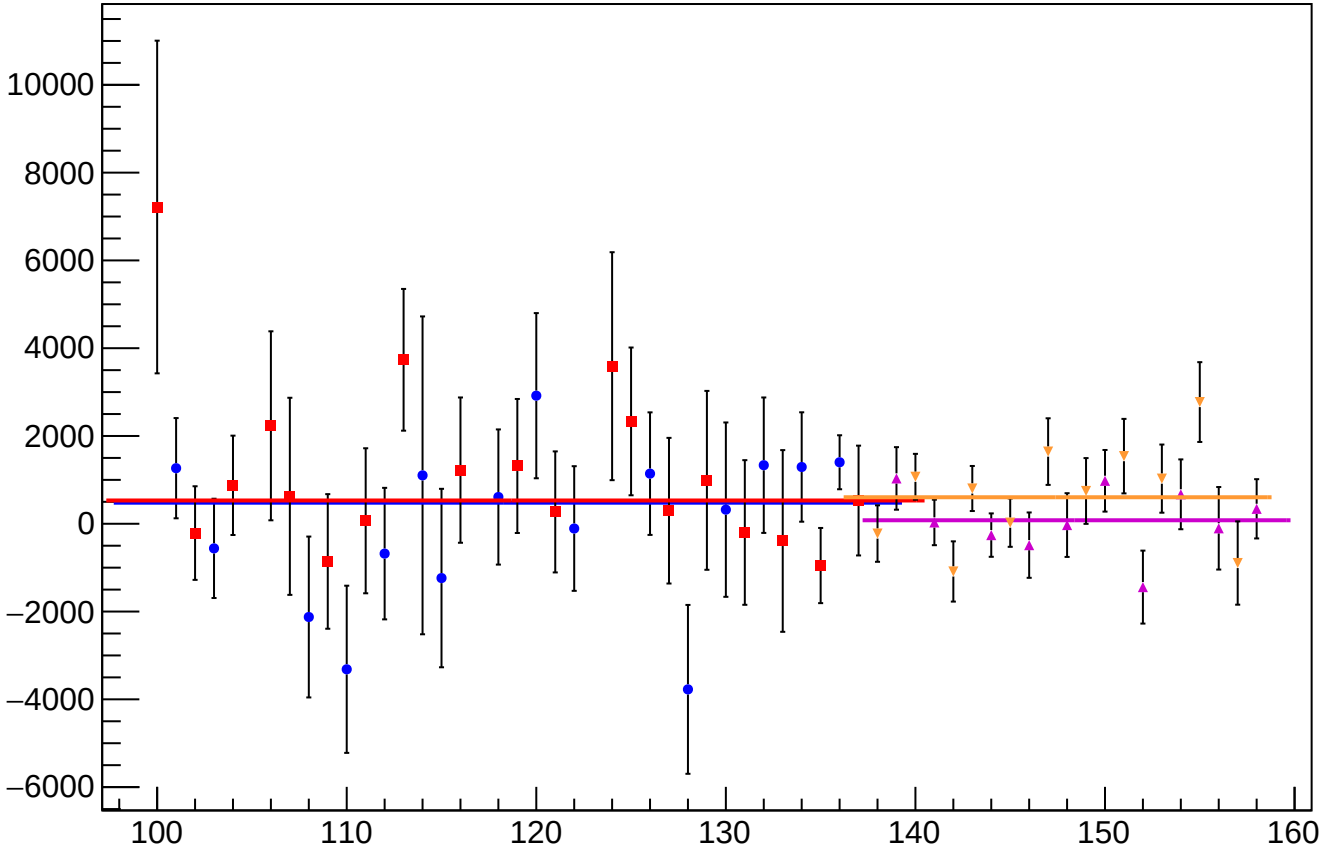
Left In: 1316.740+/-0.315 χ^2/NDF:1911.0/9

+ sign 1335.433+/-0.239 χ^2/NDF: 770998.0/26

All: 1335.668+/-0.168 χ^2/NDF: 986715.9/55

- sign 1335.899+/-0.237 χ^2/NDF: 215716.0/28

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 604.053+/-203.331 χ^2/NDF:21.4/10

Right Out: 530.532+/-346.105 χ^2/NDF: 15.6/18

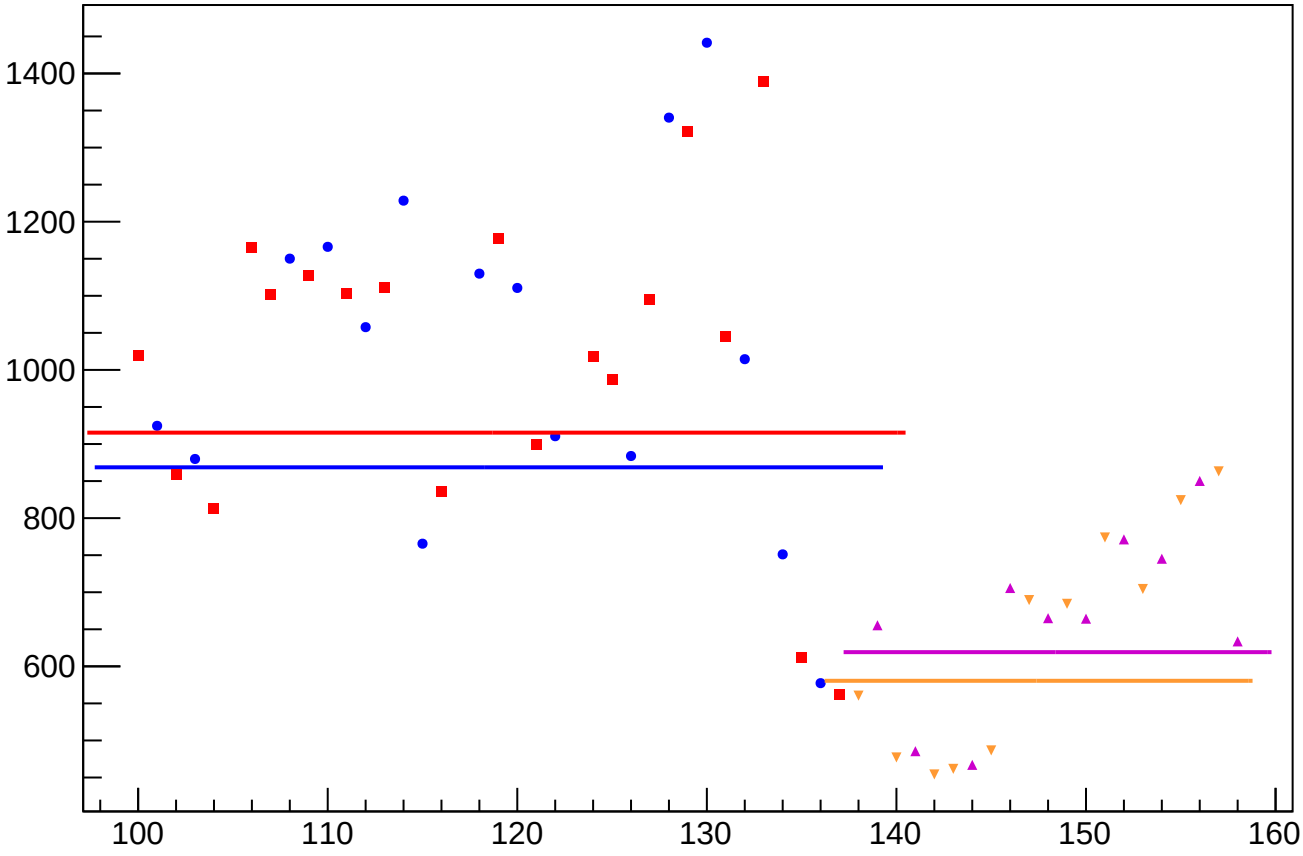
Left In: 79.839+/-213.866 χ^2/NDF:8.6/9

+ sign 570.984+/-174.031 χ^2/NDF: 40.1/26

All: 395.815+/-125.760 χ^2/NDF: 67.7/55

- sign 204.375+/-181.934 χ^2/NDF: 25.5/28

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 580.505+/-0.144 χ^2/NDF:869133.1/10

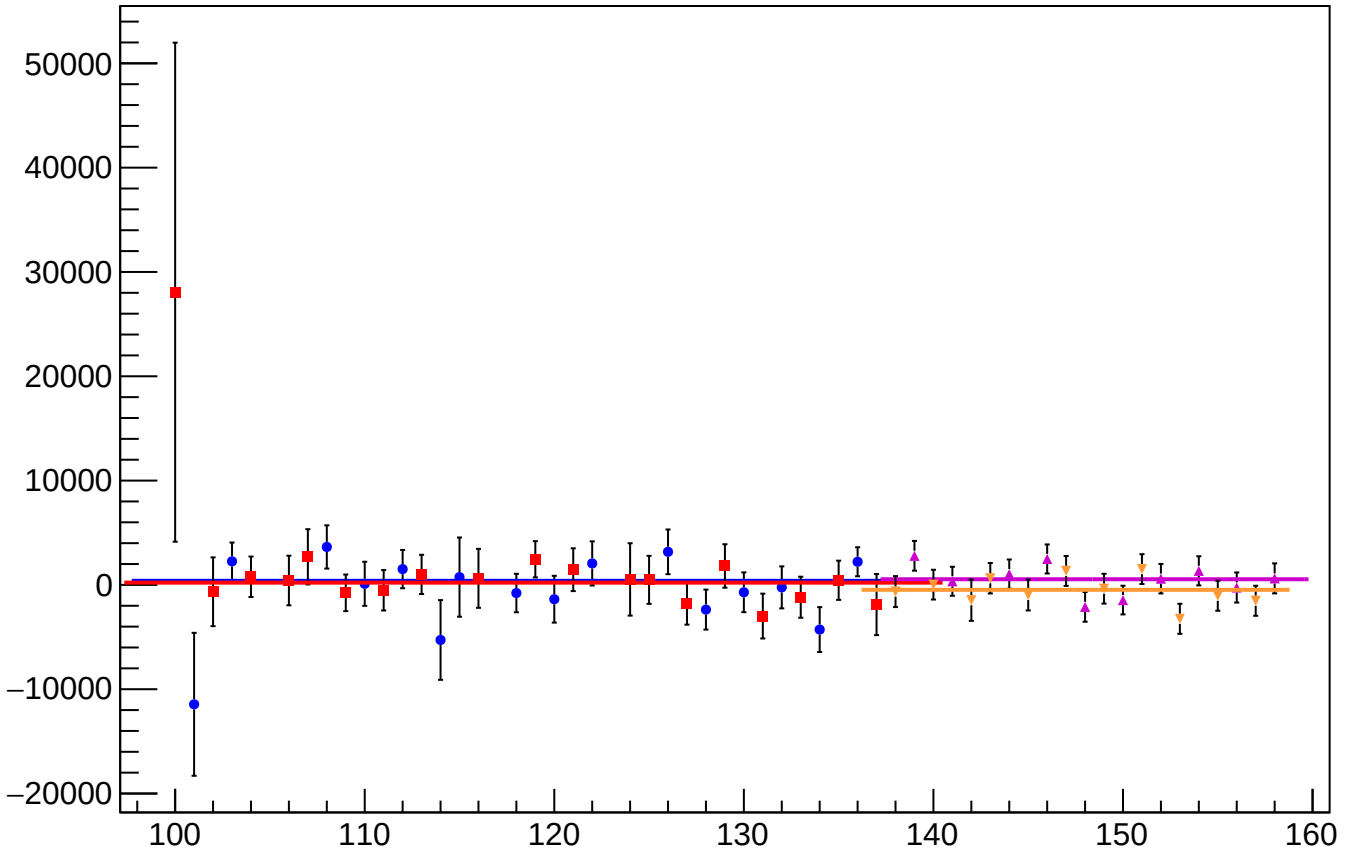
Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

Left In: 619.165+/-0.151 χ^2/NDF:609435.1/9

\+ sign 657.546+/-0.123 χ^2/NDF: 2964060.0/26

All: 678.313+/-0.089 χ^2/NDF: 5552032.8/55

\- sign 701.010+/-0.129 χ^2/NDF: 2528366.0/28



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -472.062+/-445.557 χ^2/NDF:9.0/10

Right Out: 218.182+/-507.927 χ^2/NDF: 10.0/18

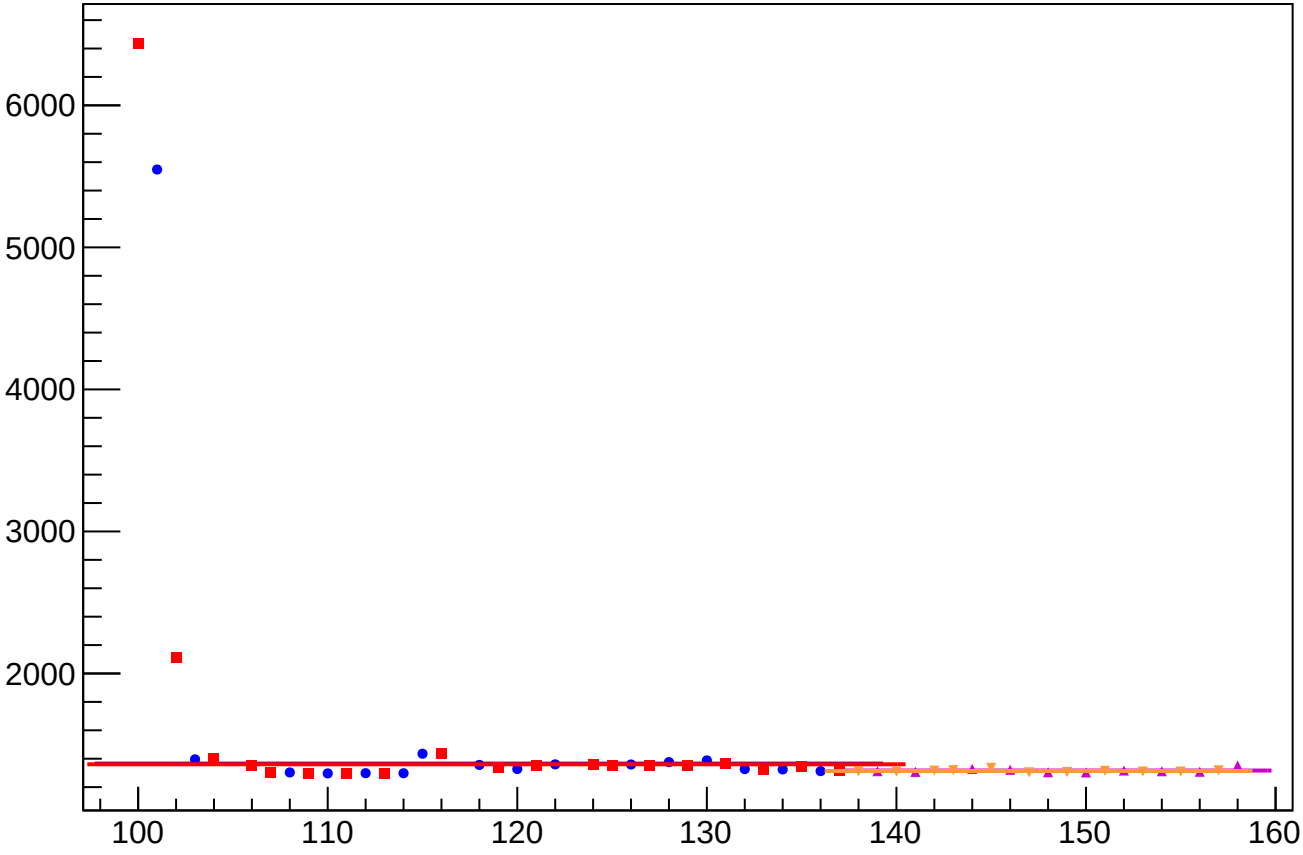
Left In: 541.444+/-445.796 χ^2/NDF:10.8/9

+ sign -108.060+/-338.661 χ^2/NDF: 32.0/26

All: 149.088+/-238.183 χ^2/NDF: 54.1/55

- sign 400.783+/-335.051 χ^2/NDF: 21.0/28

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1313.601+/-0.315 χ^2/NDF:682.1/10

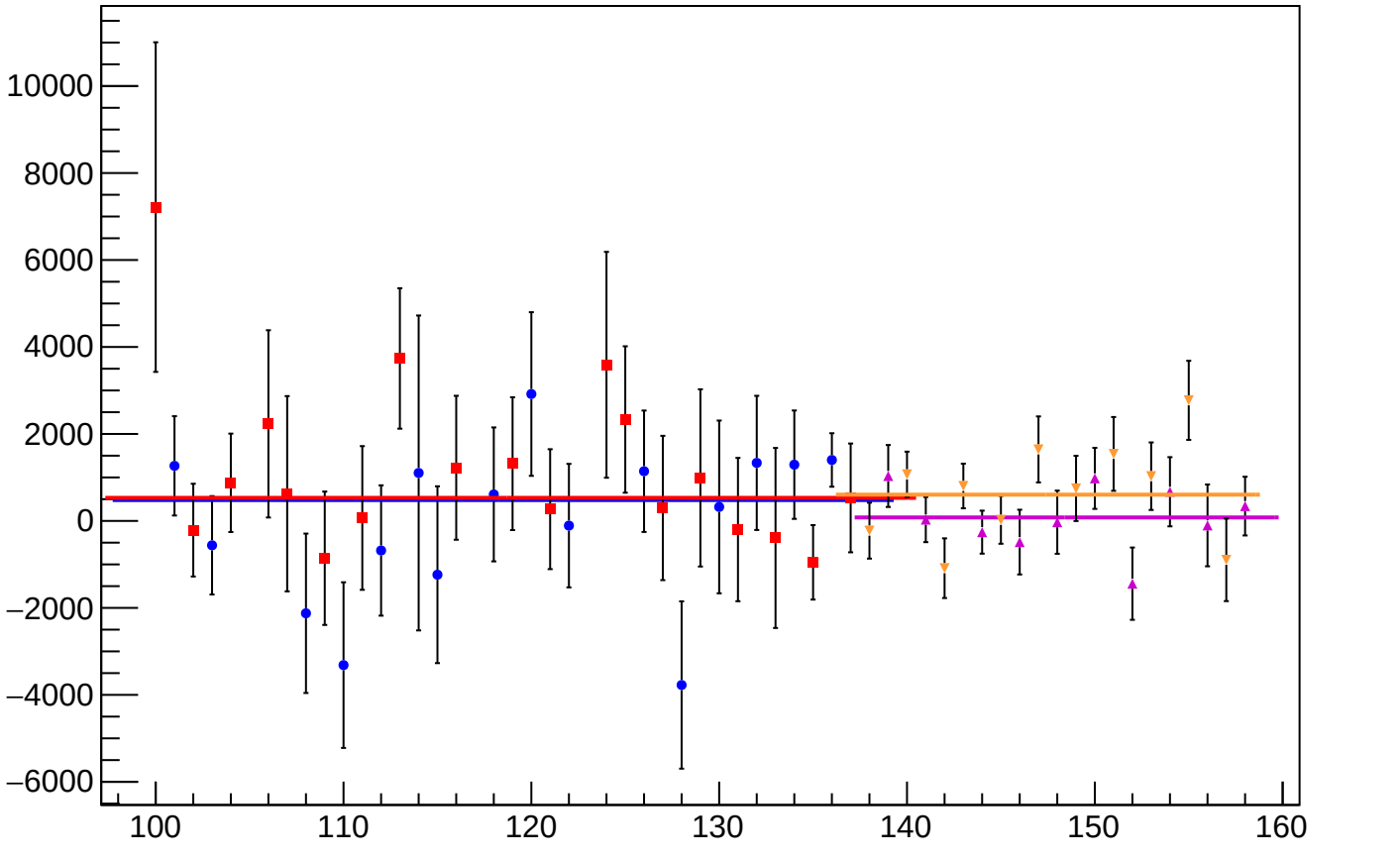
Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1316.740+/-0.315 χ^2/NDF:1911.0/9

+ sign 1335.433+/-0.239 χ^2/NDF: 770998.0/26

All: 1335.668+/-0.168 χ^2/NDF: 986715.8/55

- sign 1335.899+/-0.237 χ^2/NDF: 215715.9/28



Right In: 480.400+/-336.519 χ^2/NDF: 18.6/15

Left Out: 604.054+/-203.331 χ^2/NDF:21.4/10

Right Out: 530.531+/-346.104 χ^2/NDF: 15.6/18

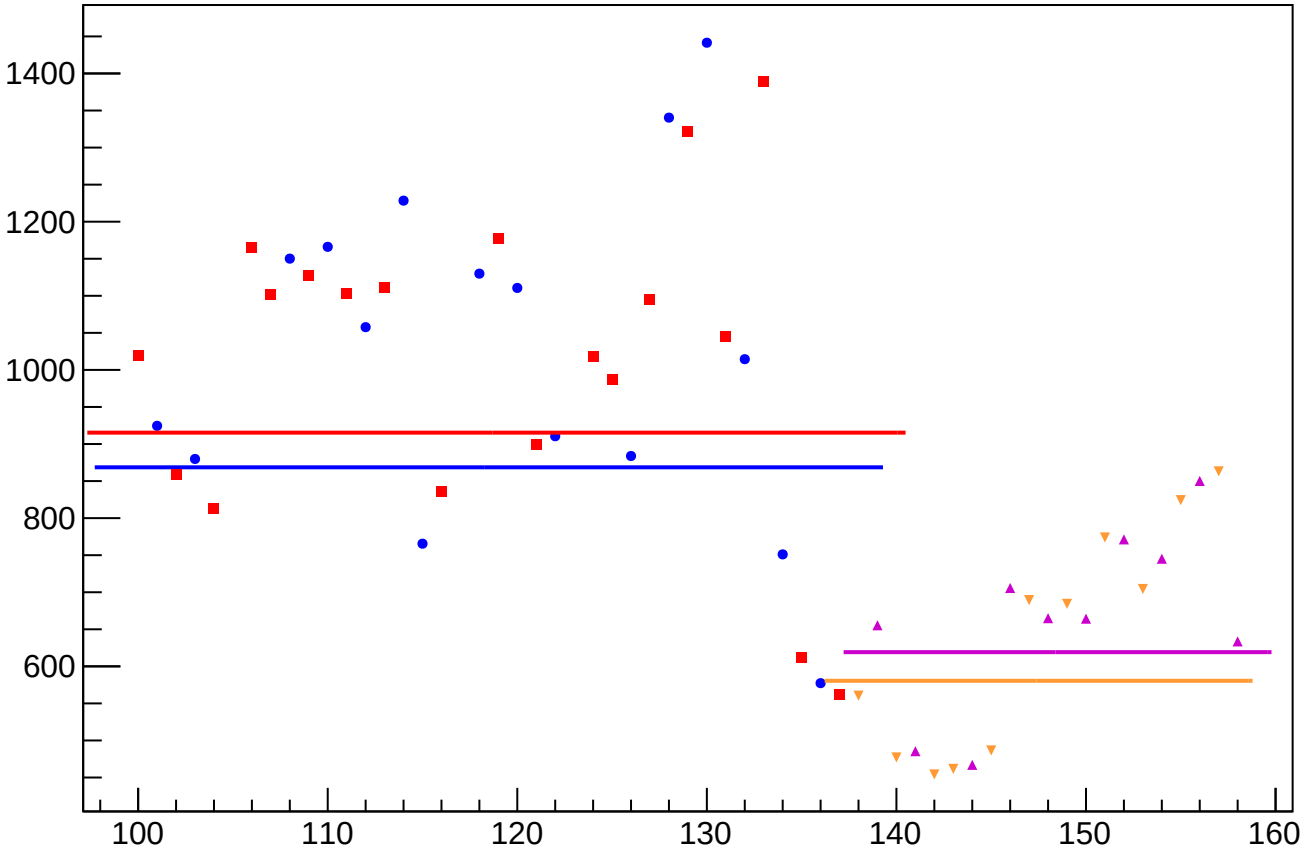
Left In: 79.839+/-213.866 χ^2/NDF:8.6/9

\+ sign 570.983+/-174.031 χ^2/NDF: 40.1/26

All: 395.815+/-125.760 χ^2/NDF: 67.7/55

\- sign 204.375+/-181.934 χ^2/NDF: 25.5/28

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

Left Out: 580.504+/-0.144 χ^2/NDF:869144.8/10

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

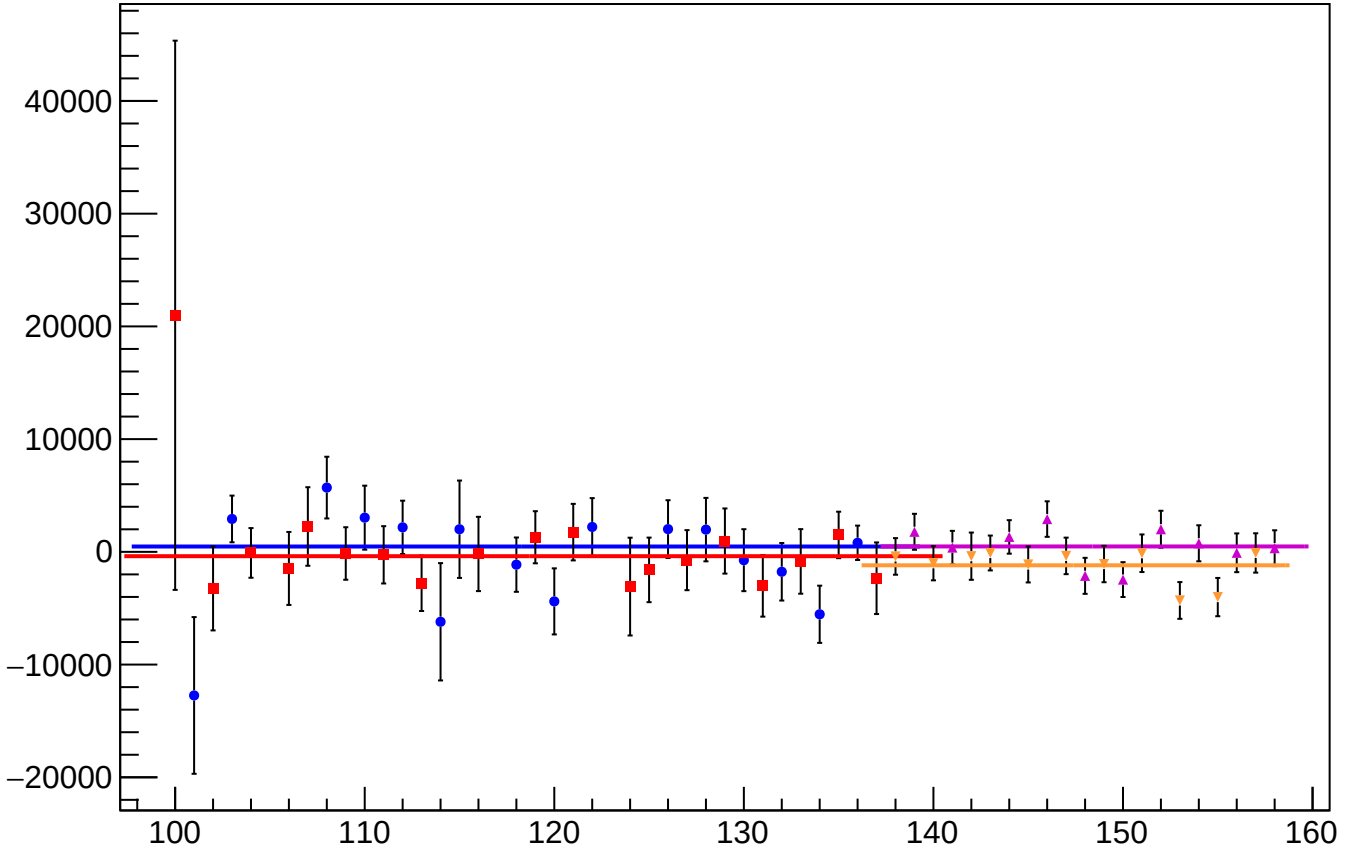
Left In: 619.166+/-0.151 χ^2/NDF:609440.8/9

+ sign 657.545+/-0.123 χ^2/NDF: 2964058.0/26

All: 678.313+/-0.089 χ^2/NDF: 5552021.8/55

- sign 701.011+/-0.129 χ^2/NDF: 2528354.2/28

asym_usr_atr1_dd_mean vs Slug



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -1192.468+/-498.216 χ^2/NDF:8.4/10

Right Out: -384.785+/-641.994 χ^2/NDF: 7.3/18

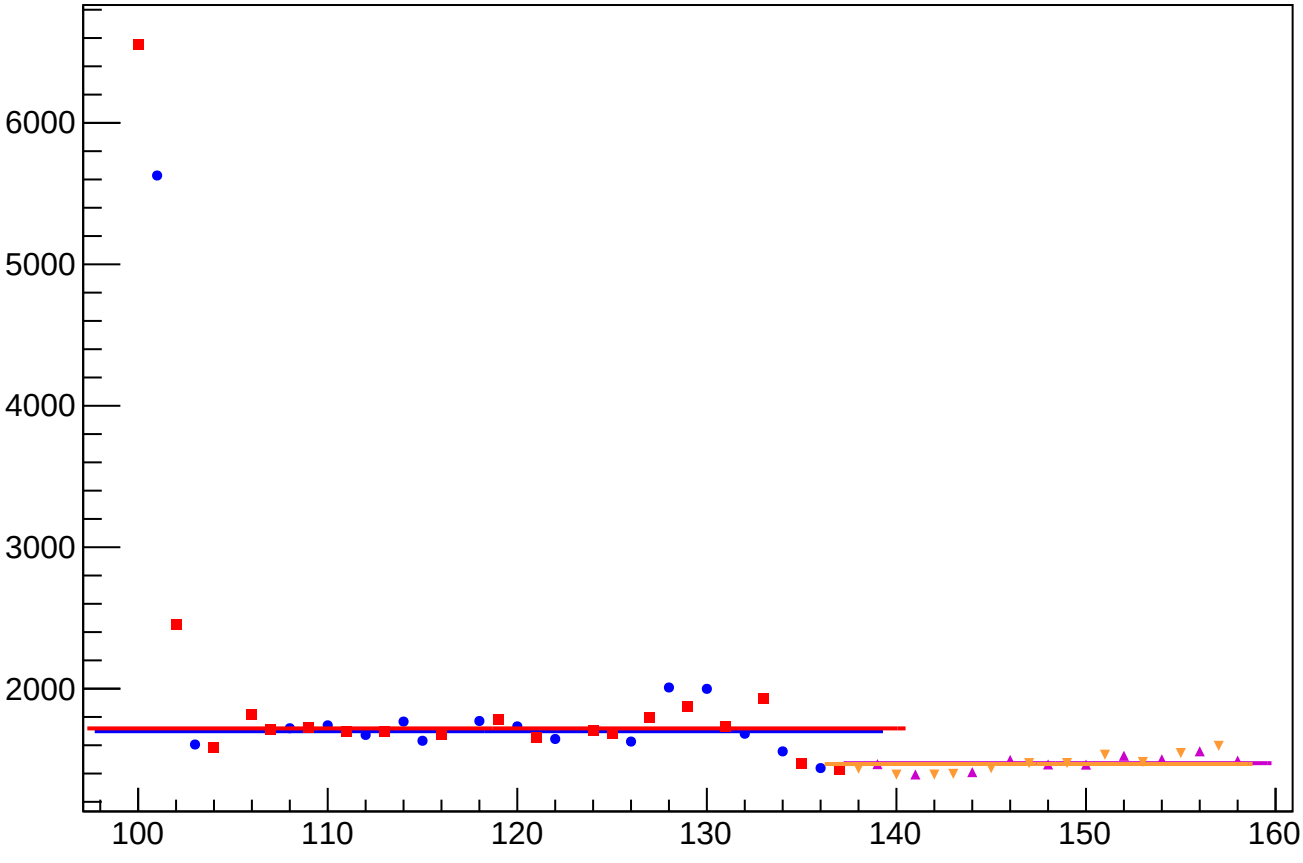
Left In: 479.407+/-499.088 χ^2/NDF:10.7/9

\+ sign -575.025+/-395.251 χ^2/NDF: 35.2/26

All: -209.449+/-279.051 χ^2/NDF: 56.0/55

\- sign 153.868+/-394.028 χ^2/NDF: 19.1/28

asym_usr_atr1_dd_rms vs Slug



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1467.330+/-0.352 χ^2/NDF:31308.6/10

Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

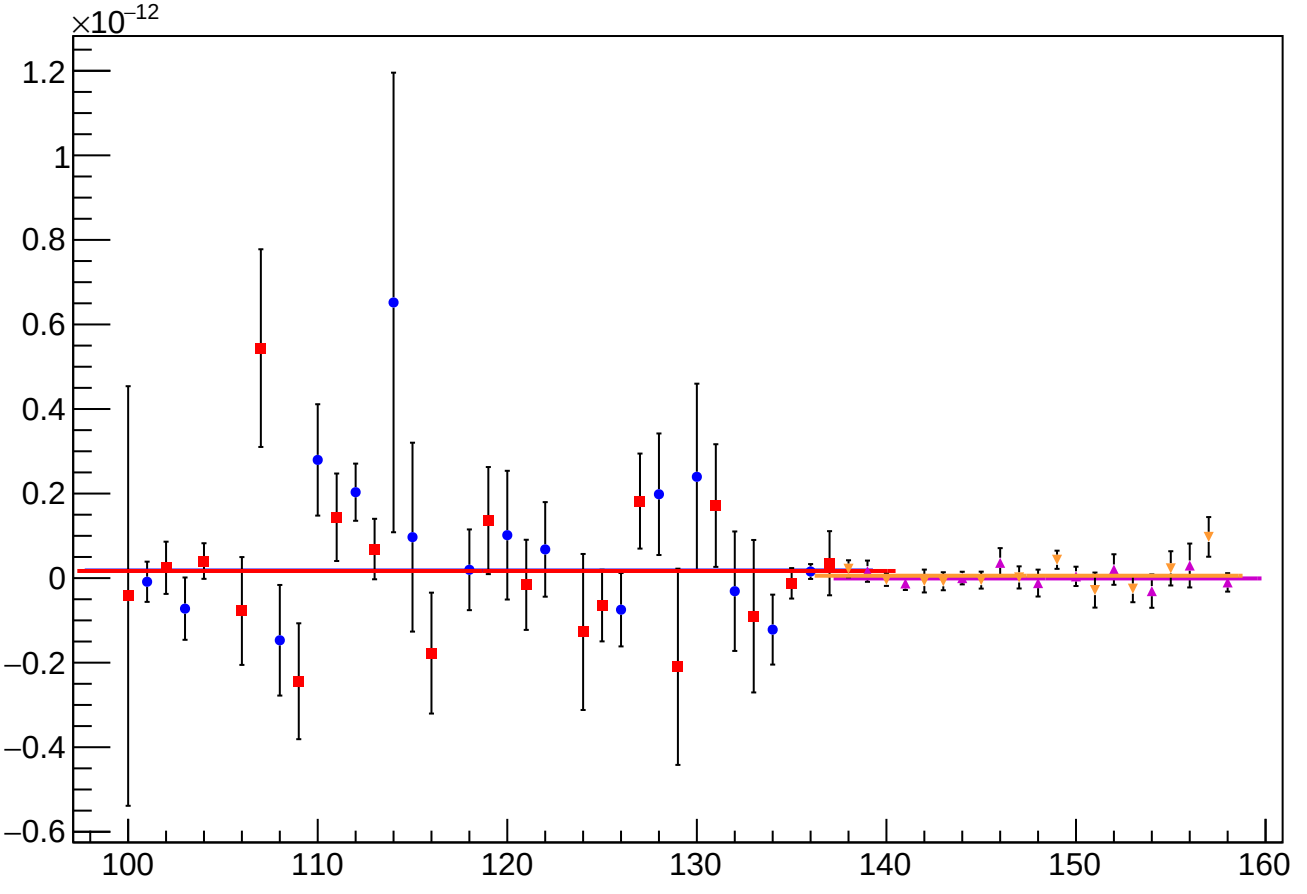
Left In: 1473.341+/-0.353 χ^2/NDF:17683.2/9

+ sign 1553.314+/-0.279 χ^2/NDF: 954138.0/26

All: 1559.636+/-0.197 χ^2/NDF: 1389275.2/55

- sign 1565.919+/-0.279 χ^2/NDF: 434117.1/28

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.7/10

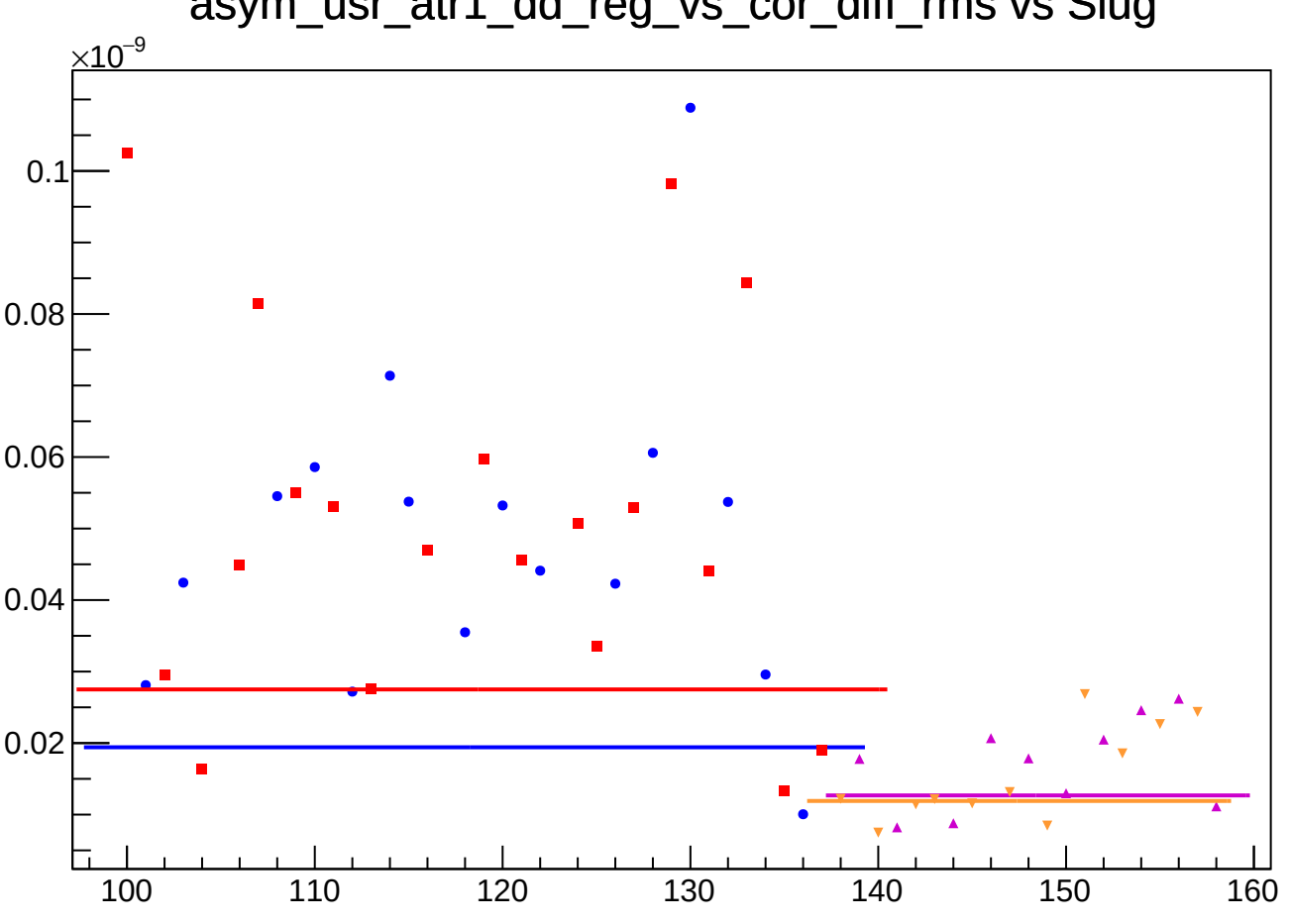
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:3.8/9

+ sign 0.000+/-0.000 χ^2/NDF: 34.8/26

All: 0.000+/-0.000 χ^2/NDF: 61.2/55

- sign 0.000+/-0.000 χ^2/NDF: 25.9/28



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:875559.4/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

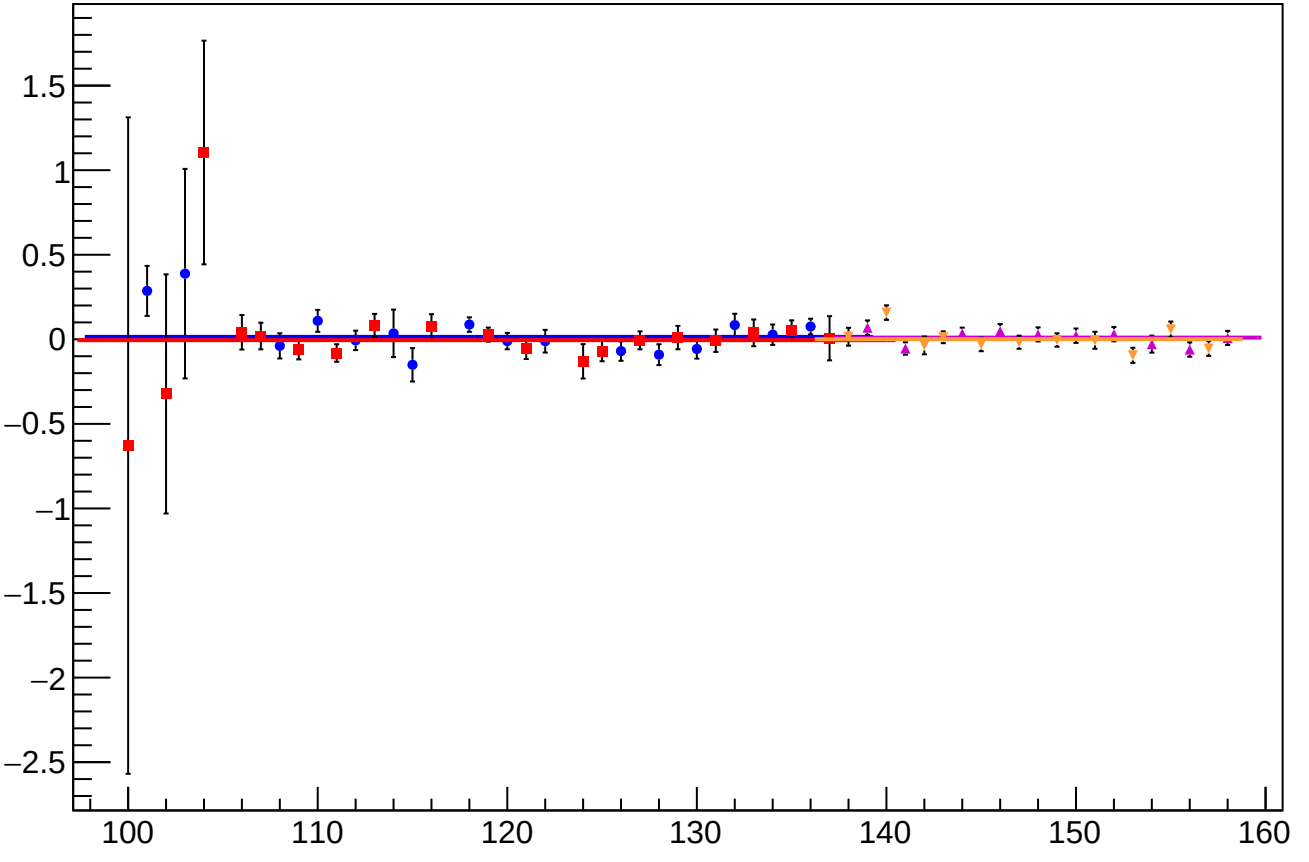
Left In: 0.000+/-0.000 χ^2/NDF:964159.1/9

+ sign 0.000+/-0.000 χ^2/NDF: 3587566.6/26

All: 0.000+/-0.000 χ^2/NDF: 7280441.5/55

- sign 0.000+/-0.000 χ^2/NDF: 3657257.0/28

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.001+/-0.013 χ^2/NDF:22.6/10

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

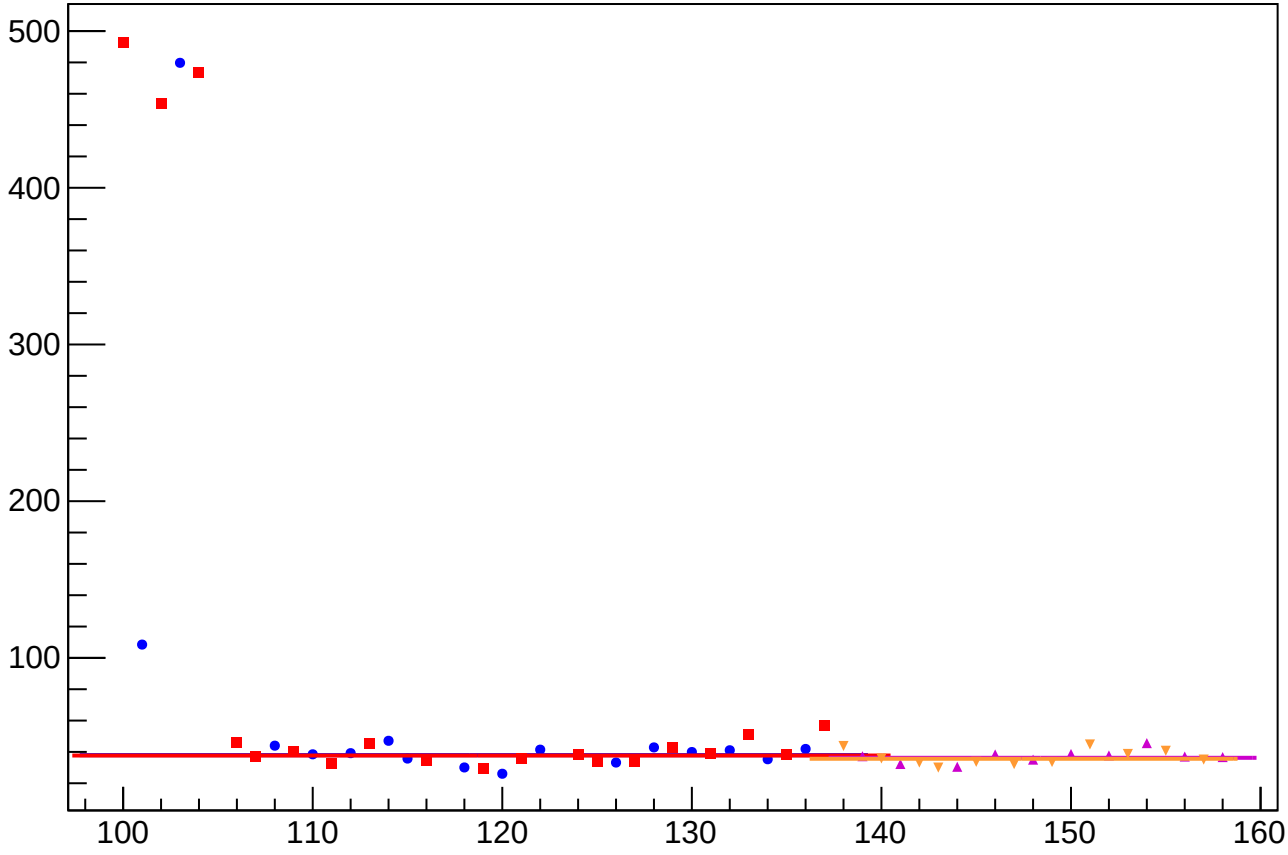
Left In: 0.010+/-0.013 χ^2/NDF:10.0/9

+ sign 0.006+/-0.010 χ^2/NDF: 45.1/26

All: 0.005+/-0.007 χ^2/NDF: 70.5/55

- sign 0.004+/-0.010 χ^2/NDF: 25.4/28

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 35.624+/-0.009 χ^2/NDF:229364.9/10

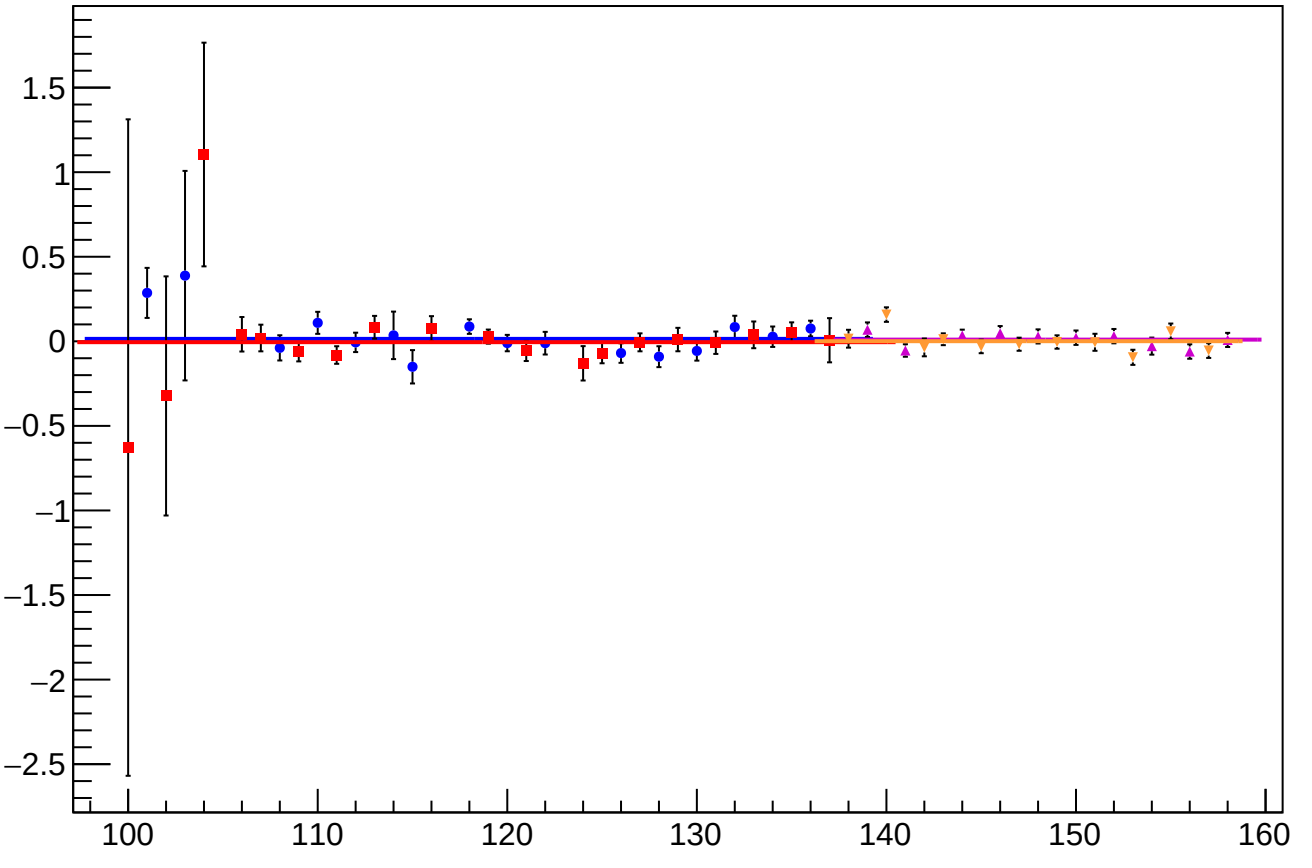
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.241+/-0.009 χ^2/NDF:164204.7/9

+ sign 36.554+/-0.007 χ^2/NDF: 1994397.2/26

All: 36.687+/-0.005 χ^2/NDF: 4114069.3/55

- sign 36.821+/-0.007 χ^2/NDF: 2118974.3/28



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.001+/-0.013 χ^2/NDF:22.6/10

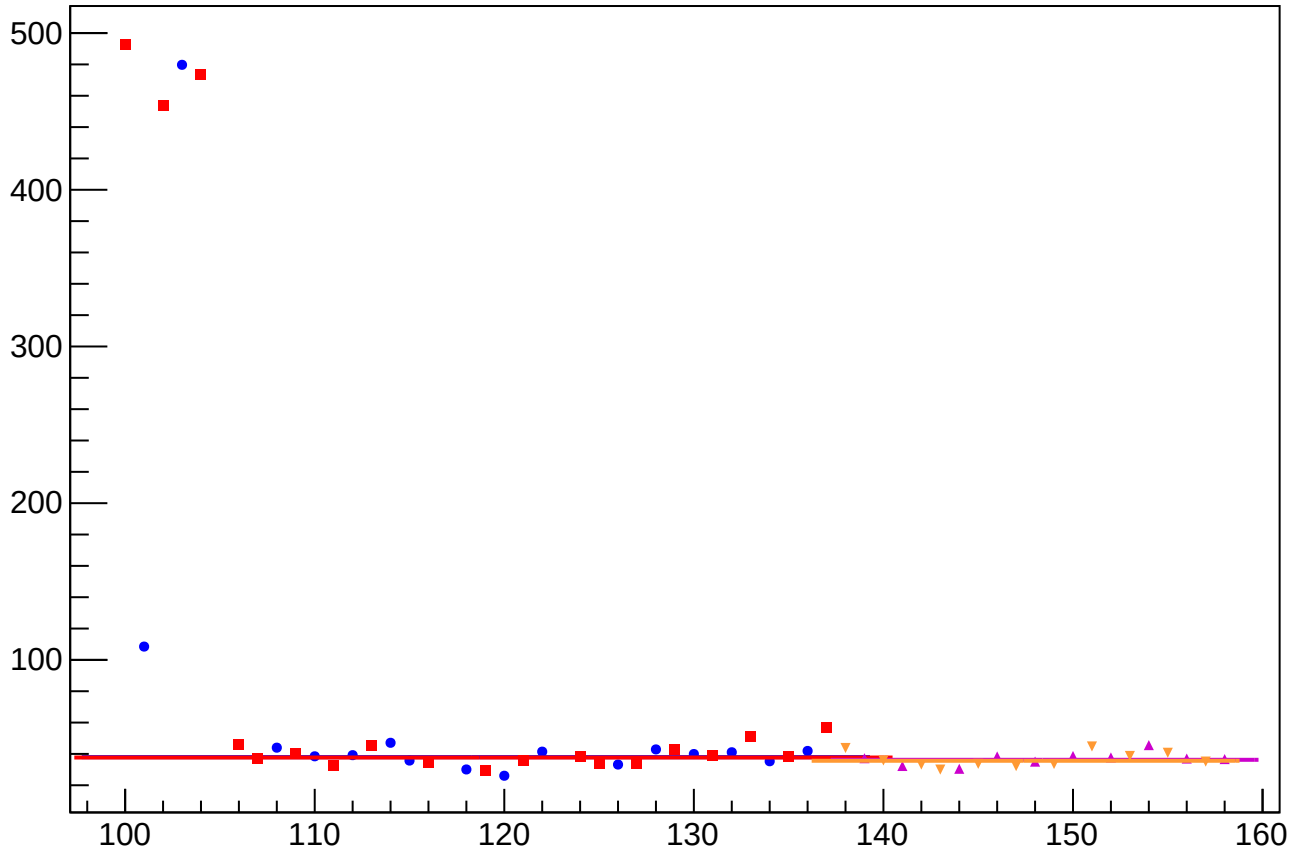
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.010+/-0.013 χ^2/NDF:10.0/9

+ sign 0.006+/-0.010 χ^2/NDF: 45.1/26

All: 0.005+/-0.007 χ^2/NDF: 70.5/55

- sign 0.004+/-0.010 χ^2/NDF: 25.4/28



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 35.624+/-0.009 χ^2/NDF:229364.9/10

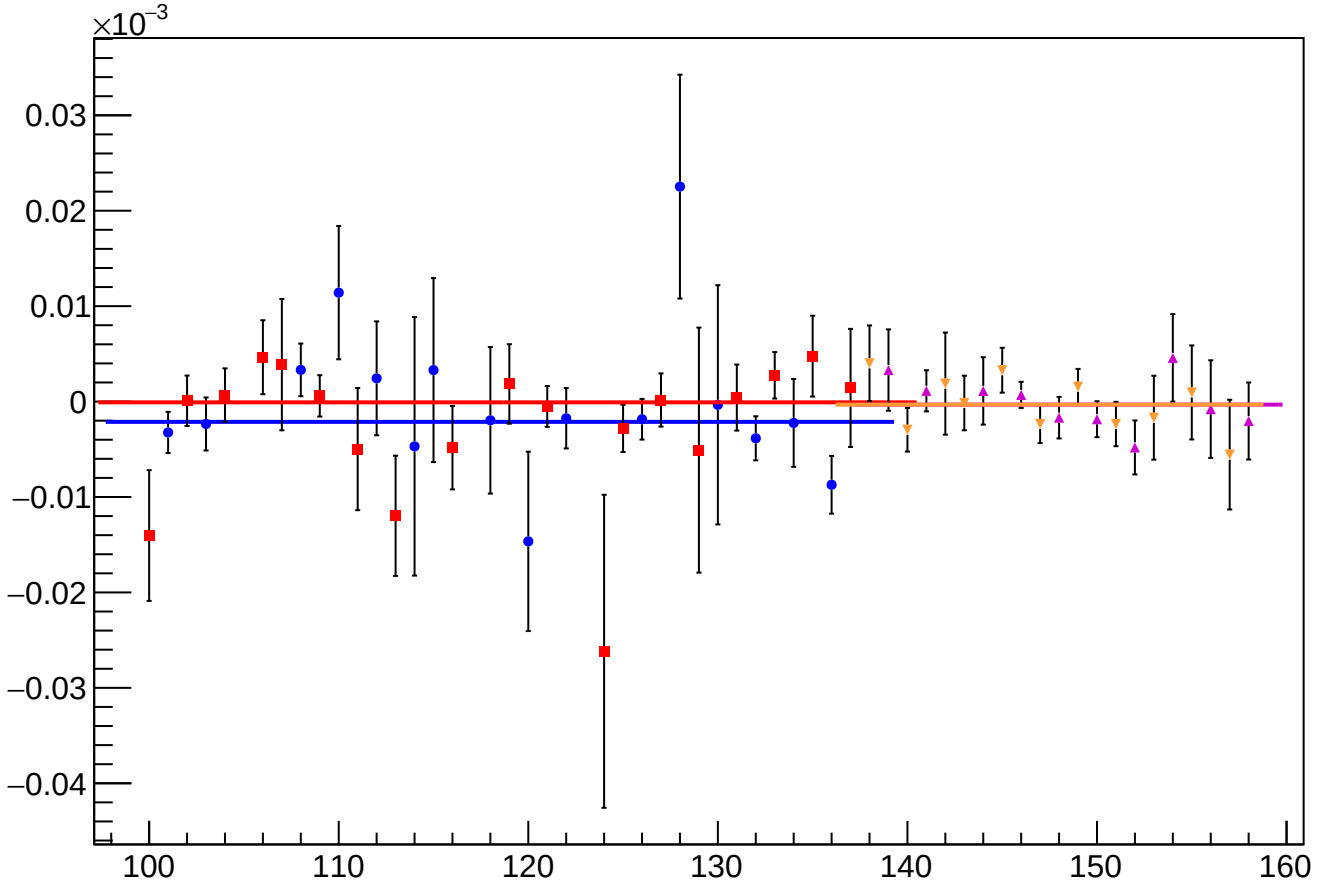
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.241+/-0.009 χ^2/NDF:164204.7/9

+ sign 36.554+/-0.007 χ^2/NDF: 1994397.2/26

All: 36.687+/-0.005 χ^2/NDF: 4114069.3/55

- sign 36.821+/-0.007 χ^2/NDF: 2118974.3/28



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.8/10

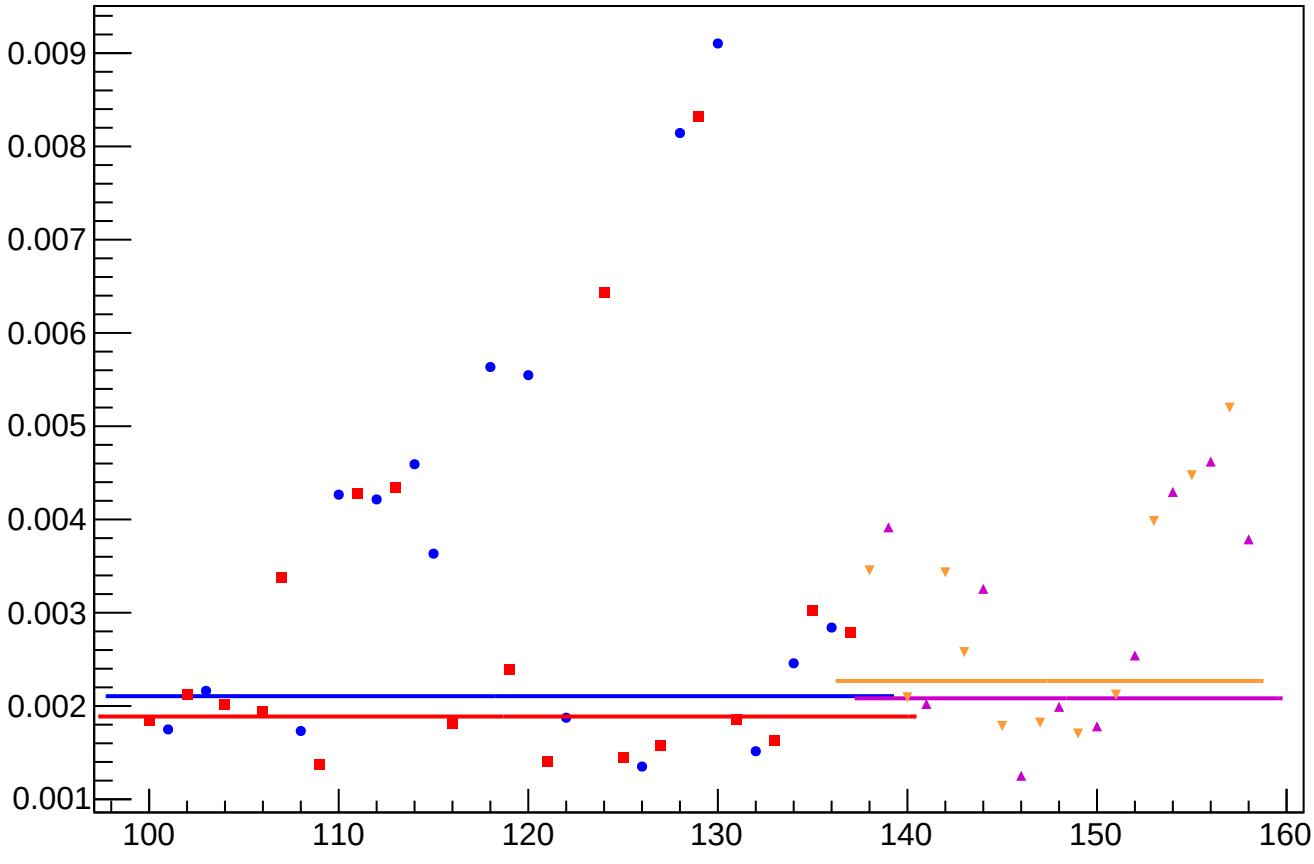
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:6.8/9

+ sign -0.000+/-0.000 χ^2/NDF: 31.4/26

All: -0.000+/-0.000 χ^2/NDF: 58.0/55

- sign -0.000+/-0.000 χ^2/NDF: 25.2/28



Right In: 0.002+/-0.000 χ^2/NDF: 3017568.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1908275.1/10

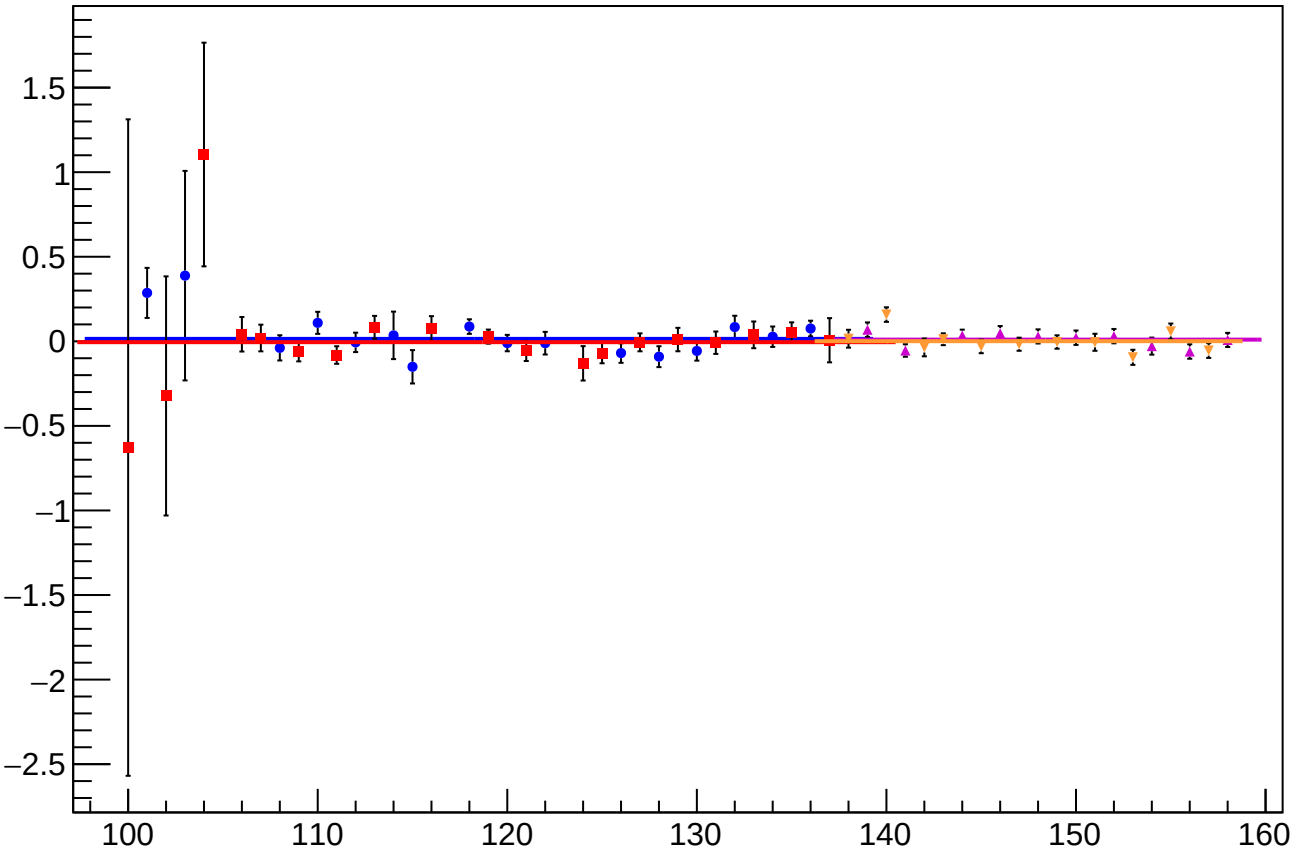
Right Out: 0.002+/-0.000 χ^2/NDF: 1892000.0/18

Left In: 0.002+/-0.000 χ^2/NDF:2751547.8/9

+ sign 0.002+/-0.000 χ^2/NDF: 4961550.3/26

All: 0.002+/-0.000 χ^2/NDF: 9792914.0/55

- sign 0.002+/-0.000 χ^2/NDF: 4705566.2/28



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.001+/-0.013 χ^2/NDF:22.6/10

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

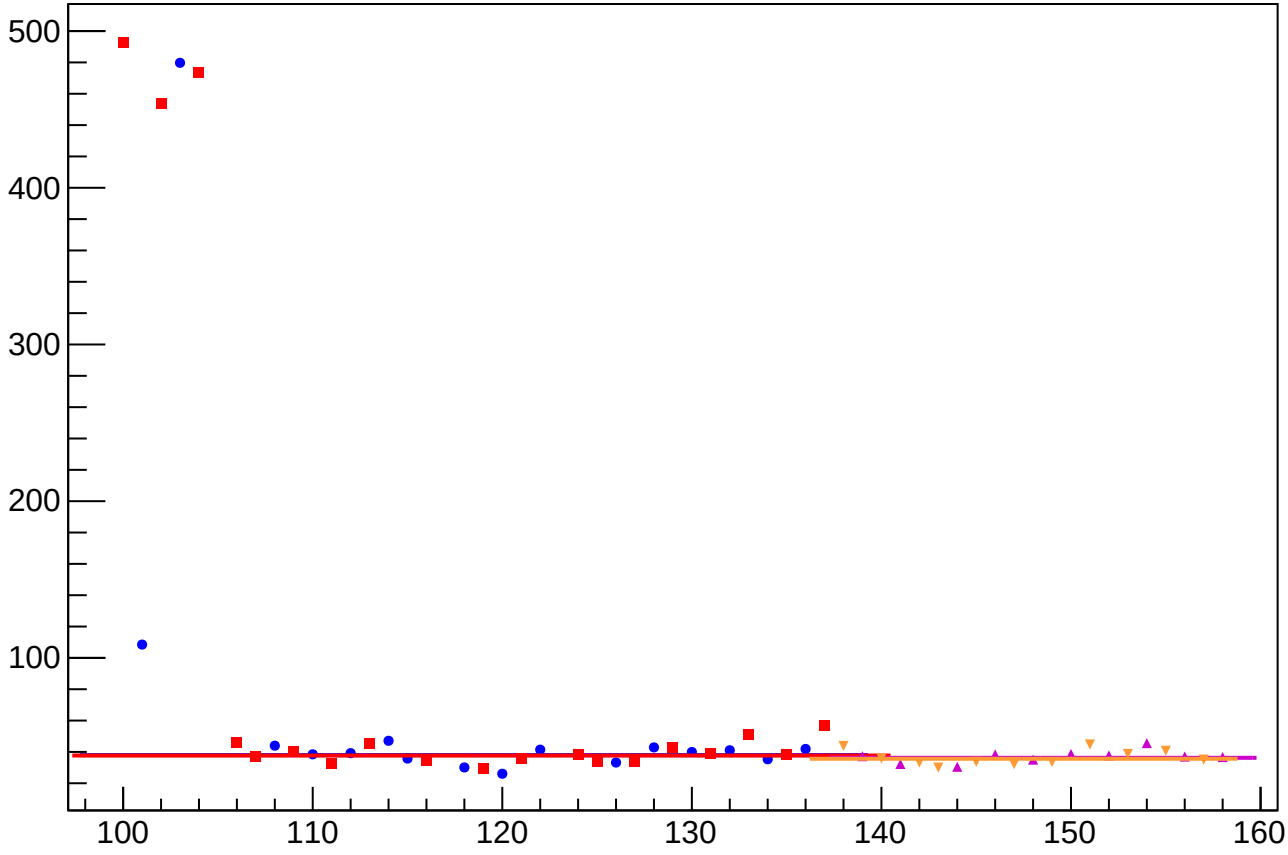
Left In: 0.010+/-0.013 χ^2/NDF:10.0/9

+ sign 0.006+/-0.010 χ^2/NDF: 45.1/26

All: 0.005+/-0.007 χ^2/NDF: 70.5/55

- sign 0.004+/-0.010 χ^2/NDF: 25.4/28

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 35.624+/-0.009 χ^2/NDF:229421.3/10

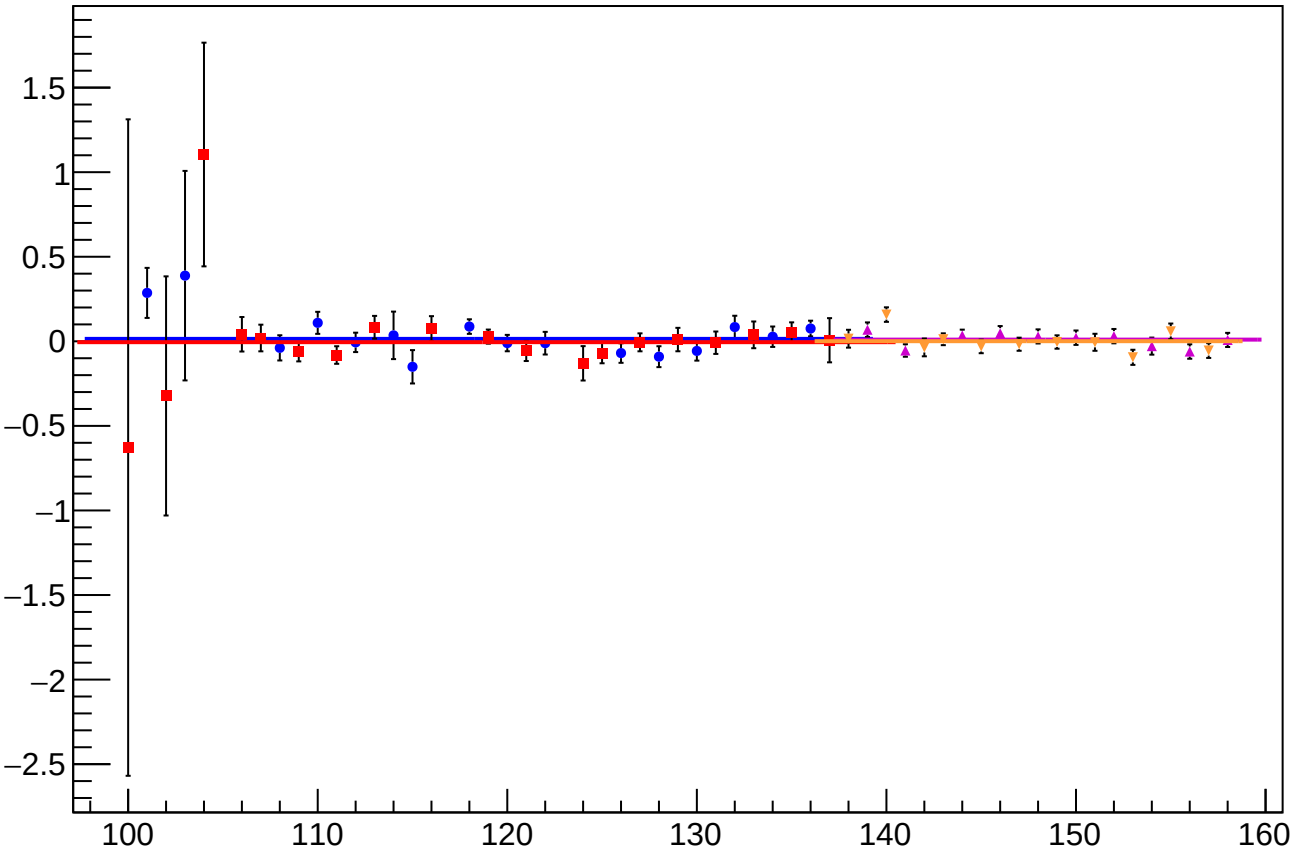
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.240+/-0.009 χ^2/NDF:164244.9/9

+ sign 36.553+/-0.007 χ^2/NDF: 1994454.8/26

All: 36.686+/-0.005 χ^2/NDF: 4114229.5/55

- sign 36.820+/-0.007 χ^2/NDF: 2119079.0/28



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.001+/-0.013 χ^2/NDF:22.6/10

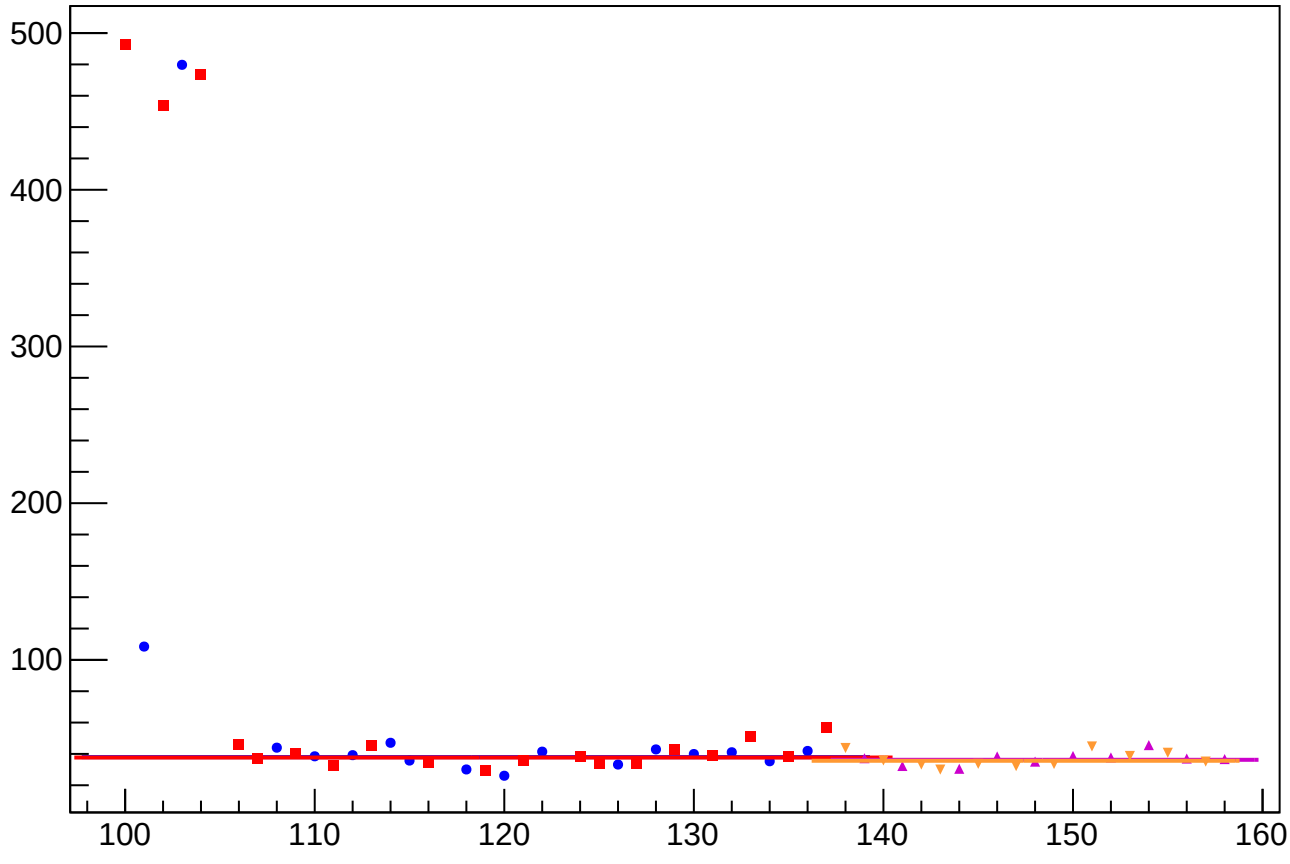
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.010+/-0.013 χ^2/NDF:10.0/9

+ sign 0.006+/-0.010 χ^2/NDF: 45.1/26

All: 0.005+/-0.007 χ^2/NDF: 70.5/55

- sign 0.004+/-0.010 χ^2/NDF: 25.4/28



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 35.624+/-0.009 χ^2/NDF:229421.3/10

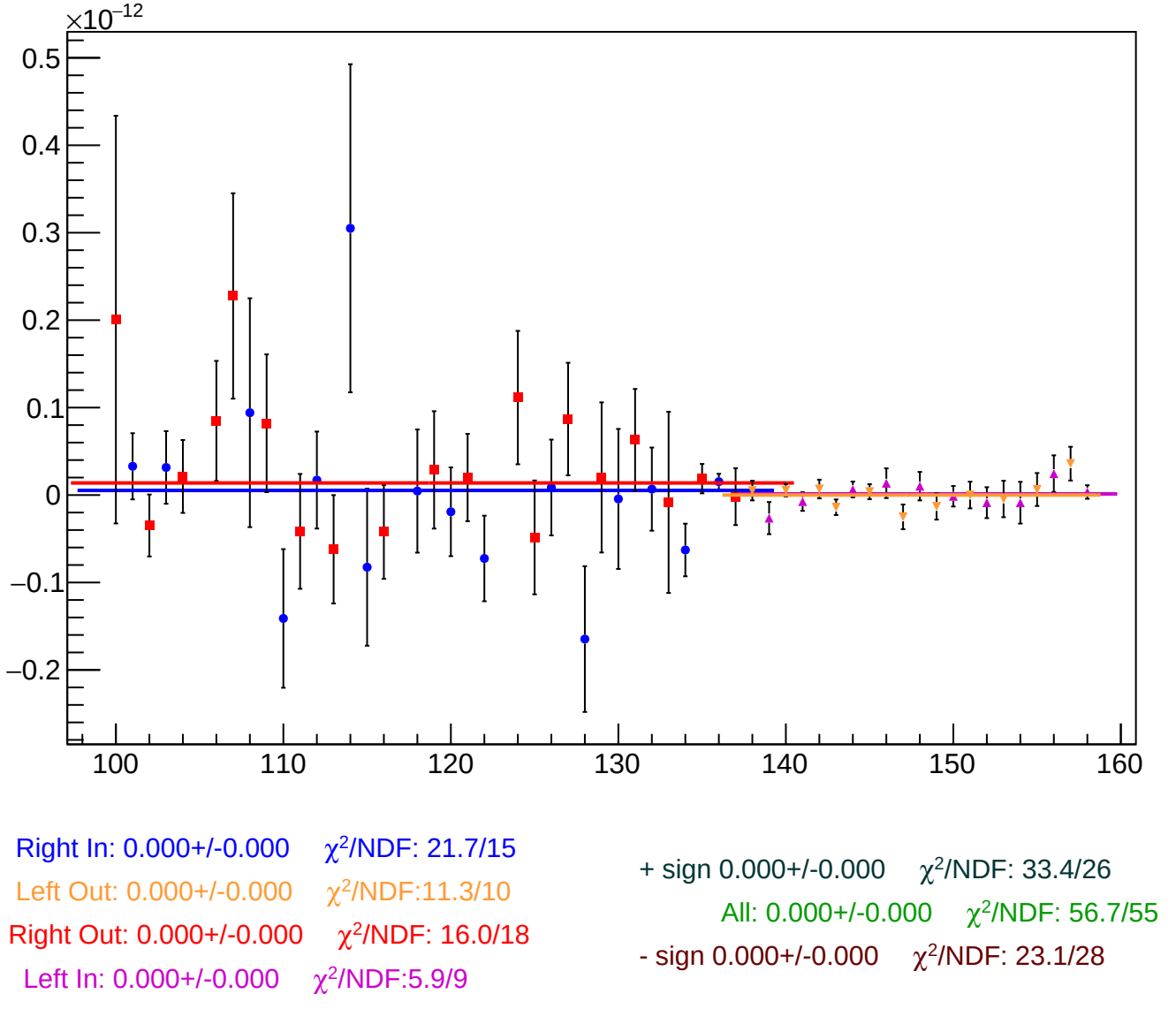
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

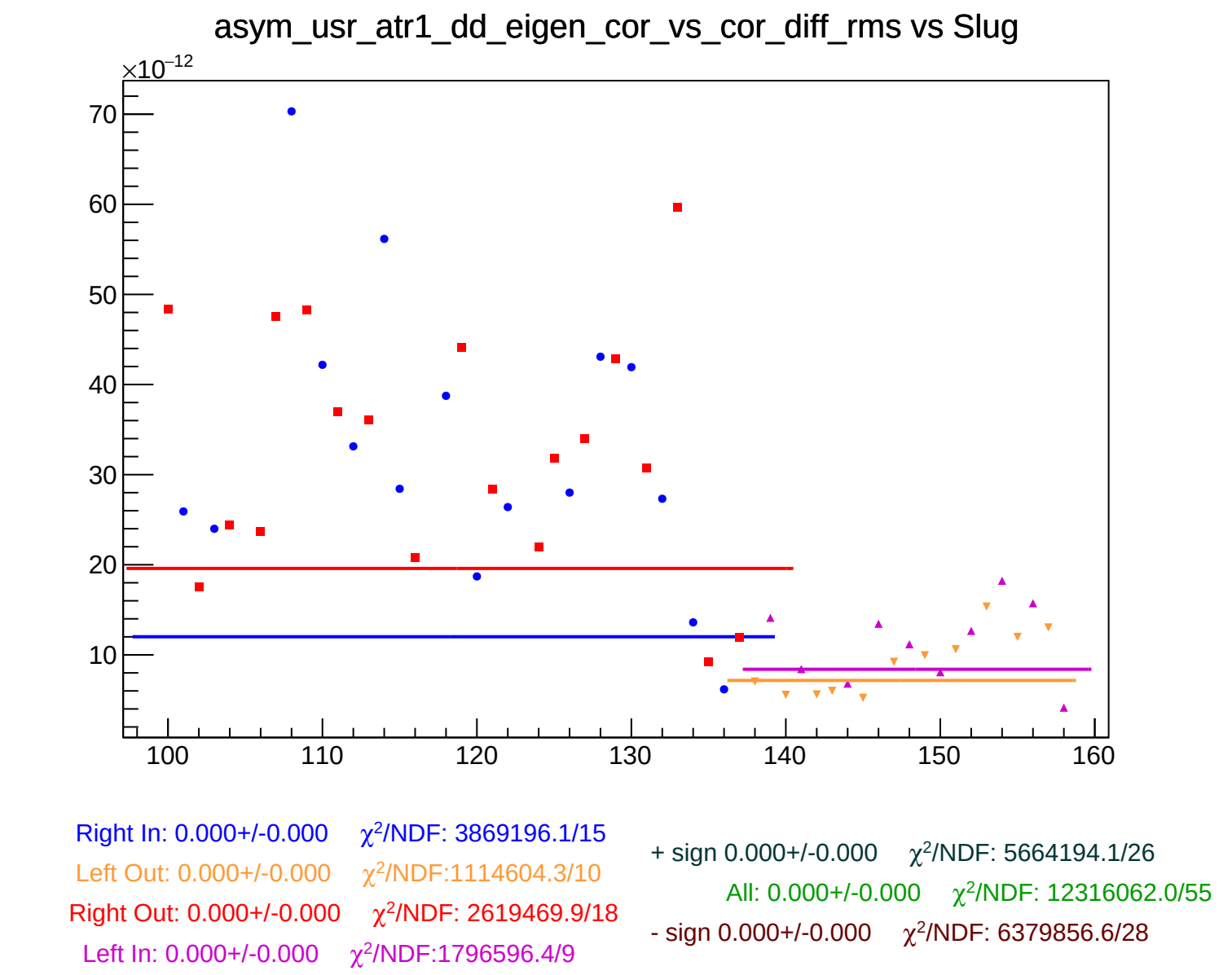
Left In: 36.240+/-0.009 χ^2/NDF:164244.9/9

+ sign 36.553+/-0.007 χ^2/NDF: 1994454.8/26

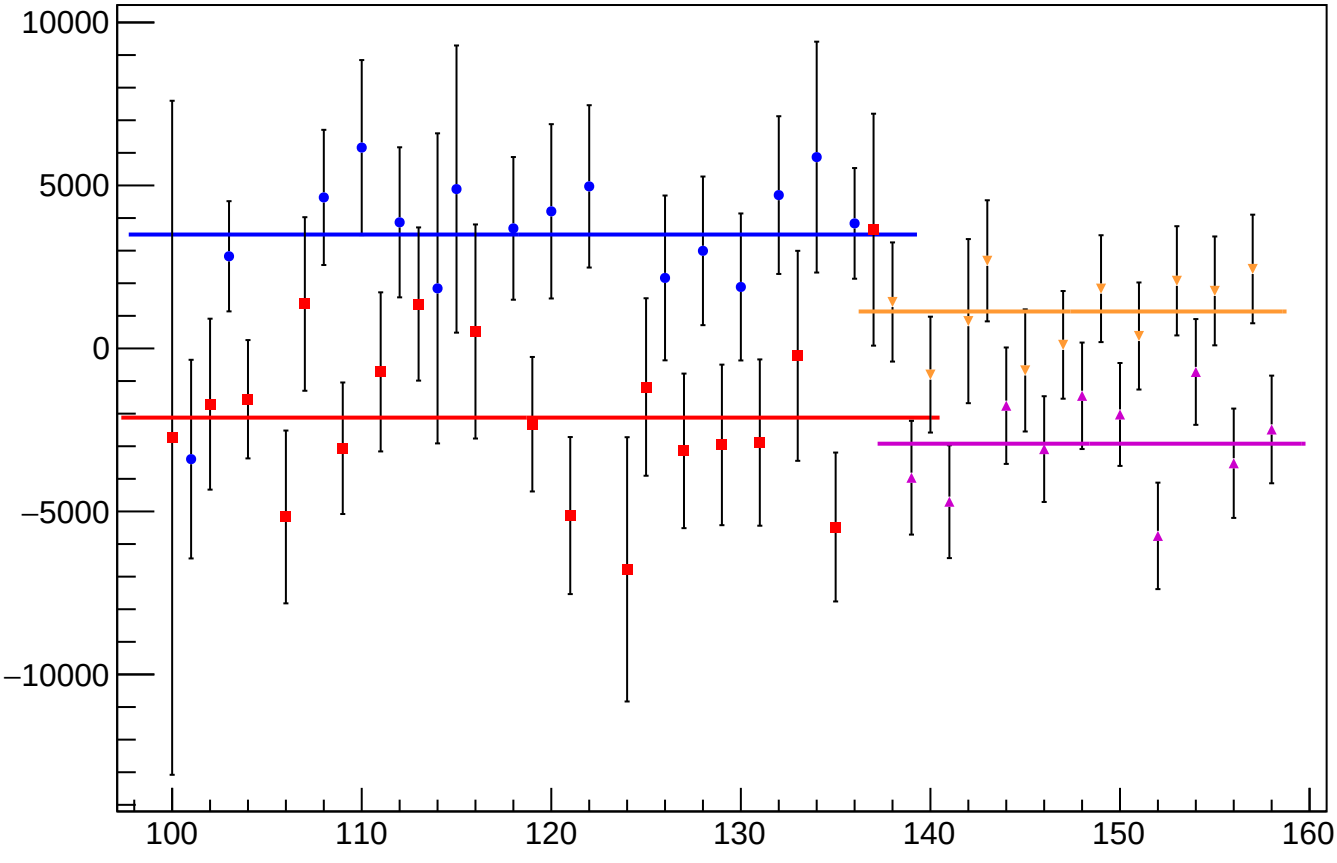
All: 36.686+/-0.005 χ^2/NDF: 4114229.5/55

- sign 36.820+/-0.007 χ^2/NDF: 2119079.0/28


asym_usr_atr1_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10⁻¹²
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 21.7/15
Left Out: 0.000+/-0.000 χ²/NDF:11.3/10
Right Out: 0.000+/-0.000 χ²/NDF: 16.0/18
Left In: 0.000+/-0.000 χ²/NDF:5.9/9
+ sign 0.000+/-0.000 χ²/NDF: 33.4/26
All: 0.000+/-0.000 χ²/NDF: 56.7/55
- sign 0.000+/-0.000 χ²/NDF: 23.1/28


asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3869196.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1114604.3/10
Right Out: 0.000+/-0.000 χ²/NDF: 2619469.9/18
Left In: 0.000+/-0.000 χ²/NDF:1796596.4/9
+ sign 0.000+/-0.000 χ²/NDF: 5664194.1/26
All: 0.000+/-0.000 χ²/NDF: 12316062.0/55
- sign 0.000+/-0.000 χ²/NDF: 6379856.6/28

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1133.892+/-531.975 χ^2/NDF:4.7/10

Right Out: -2121.717+/-587.617 χ^2/NDF: 15.1/18

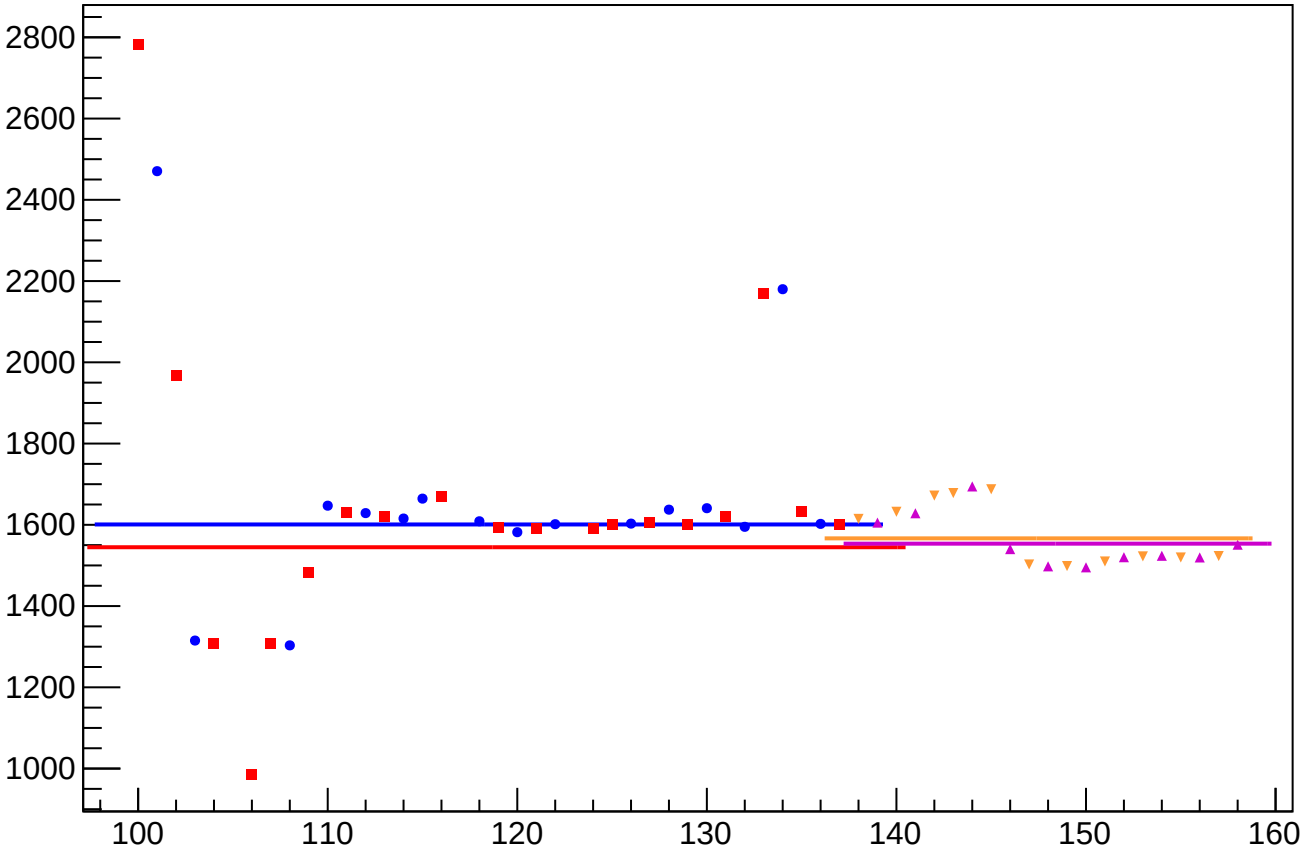
Left In: -2921.948+/-526.364 χ^2/NDF:8.0/9

+ sign 2170.501+/-398.396 χ^2/NDF: 22.2/26

All: -235.508+/-279.444 χ^2/NDF: 118.1/55

- sign -2565.701+/-392.069 χ^2/NDF: 24.1/28

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1566.650+/-0.376 χ^2/NDF:36366.7/10

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

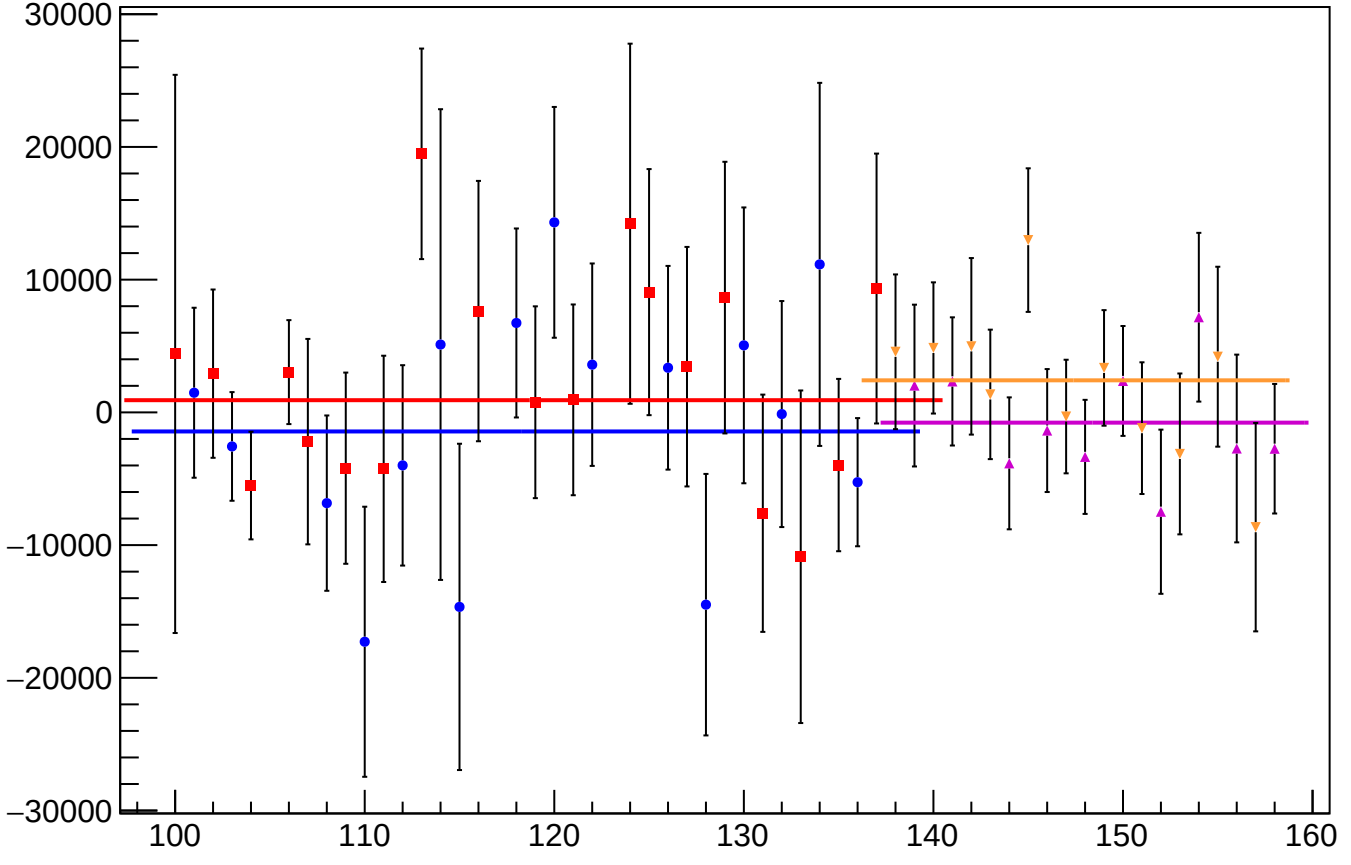
Left In: 1553.610+/-0.372 χ^2/NDF:25479.1/9

+ sign 1581.682+/-0.282 χ^2/NDF: 357416.9/26

All: 1565.273+/-0.197 χ^2/NDF: 765906.8/55

- sign 1549.619+/-0.275 χ^2/NDF: 401860.1/28

asym_usr_atr2_avg_reg_correction_mean vs Slug



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 2414.717+/-1617.171 χ^2/NDF:8.3/10

Right Out: 918.485+/-1669.278 χ^2/NDF: 15.3/18

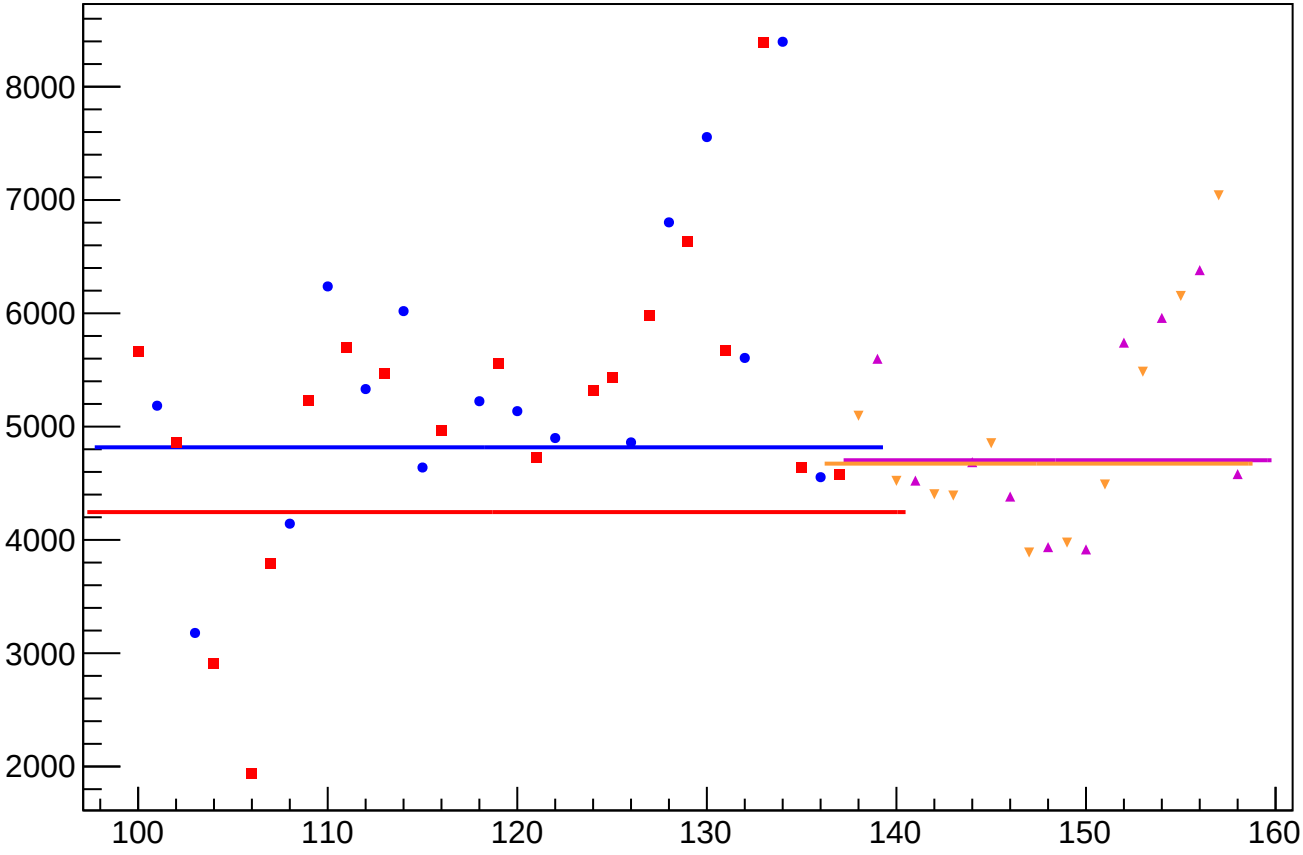
Left In: -773.765+/-1617.409 χ^2/NDF:4.9/9

\+ sign 744.546+/-1217.071 χ^2/NDF: 24.6/26

All: 378.809+/-840.296 χ^2/NDF: 45.6/55

\- sign 45.660+/-1161.585 χ^2/NDF: 20.8/28

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 4817.344+/-1.307 χ^2/NDF: 795431.1/15

Left Out: 4673.303+/-1.144 χ^2/NDF:458979.1/10

Right Out: 4245.533+/-1.180 χ^2/NDF: 1683159.2/18

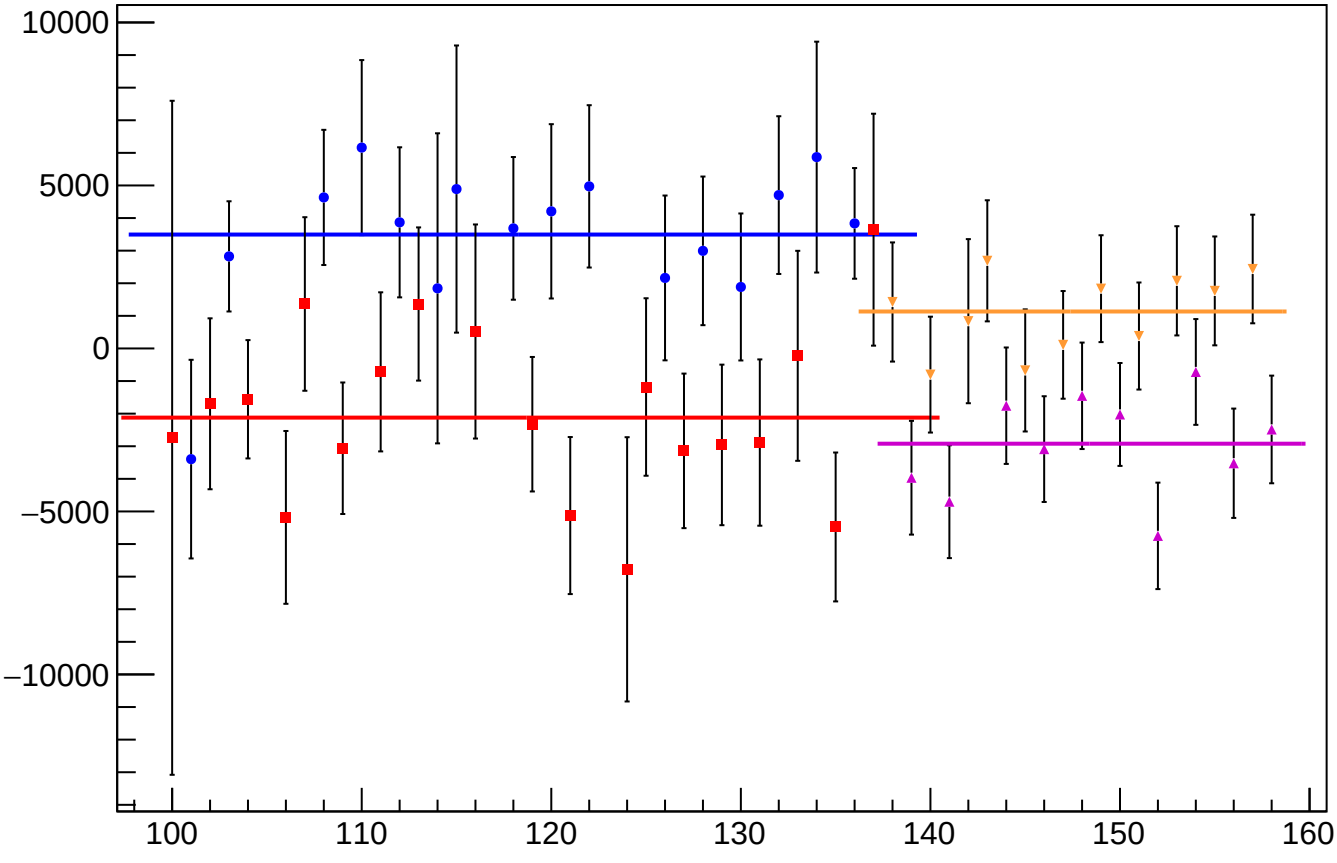
Left In: 4703.147+/-1.144 χ^2/NDF:439816.9/9

+ sign 4735.760+/-0.861 χ^2/NDF: 1261290.1/26

All: 4602.734+/-0.594 χ^2/NDF: 3507447.0/55

- sign 4481.560+/-0.821 χ^2/NDF: 2200499.6/28

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1133.753+/-531.975 χ^2/NDF:4.7/10

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

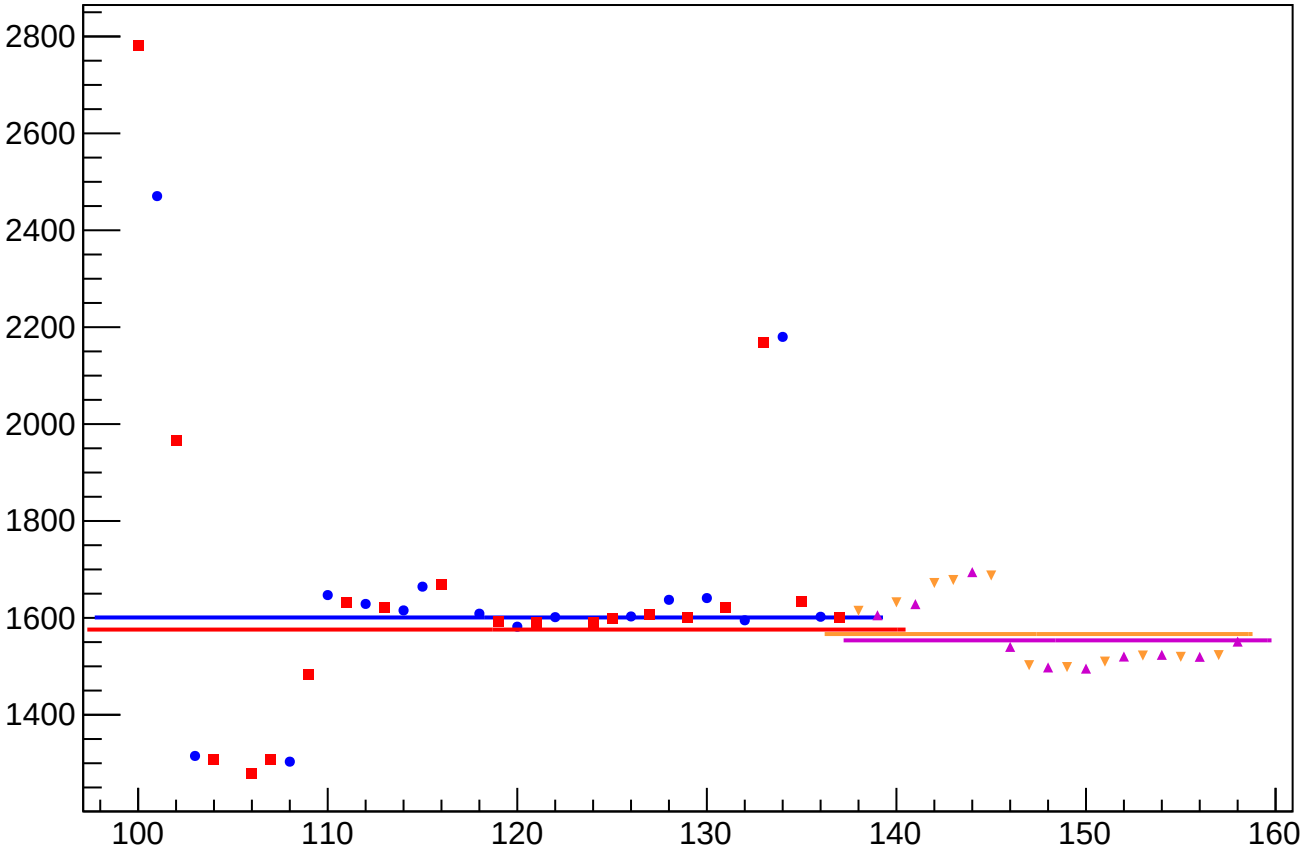
Left In: -2922.010+/-526.364 χ^2/NDF:8.0/9

+ sign 2170.276+/-398.396 χ^2/NDF: 22.2/26

All: -235.630+/-279.445 χ^2/NDF: 118.1/55

- sign -2565.733+/-392.069 χ^2/NDF: 24.1/28

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1566.650+/-0.376 χ^2/NDF:36366.7/10

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

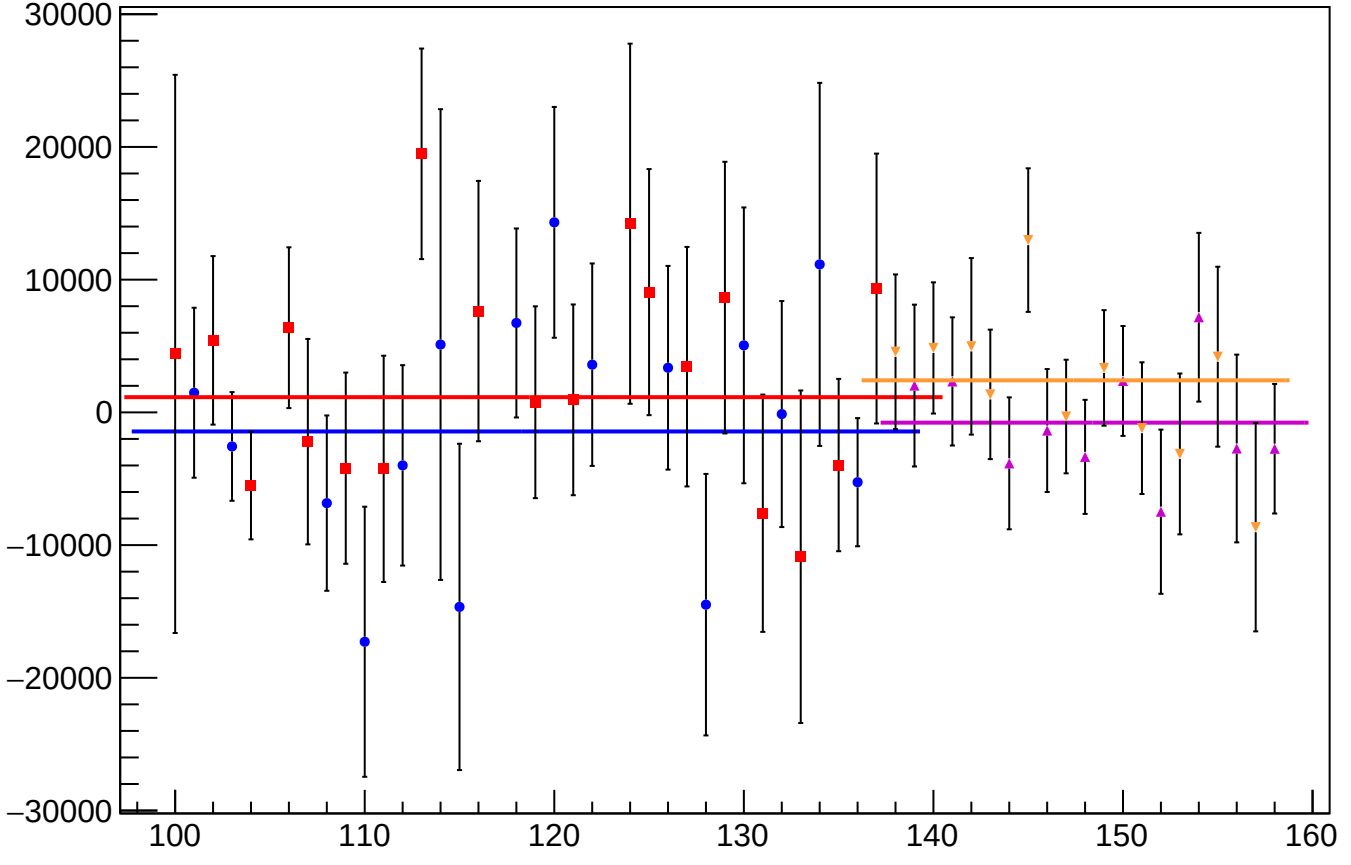
Left In: 1553.610+/-0.372 χ^2/NDF:25479.1/9

+ sign 1581.682+/-0.282 χ^2/NDF: 357416.1/26

All: 1572.469+/-0.197 χ^2/NDF: 629932.9/55

- sign 1563.577+/-0.277 χ^2/NDF: 270414.7/28

asym_usr_atr2_avg_cor_correction_mean vs Slug



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 2414.676+/-1617.167 χ^2/NDF:8.3/10

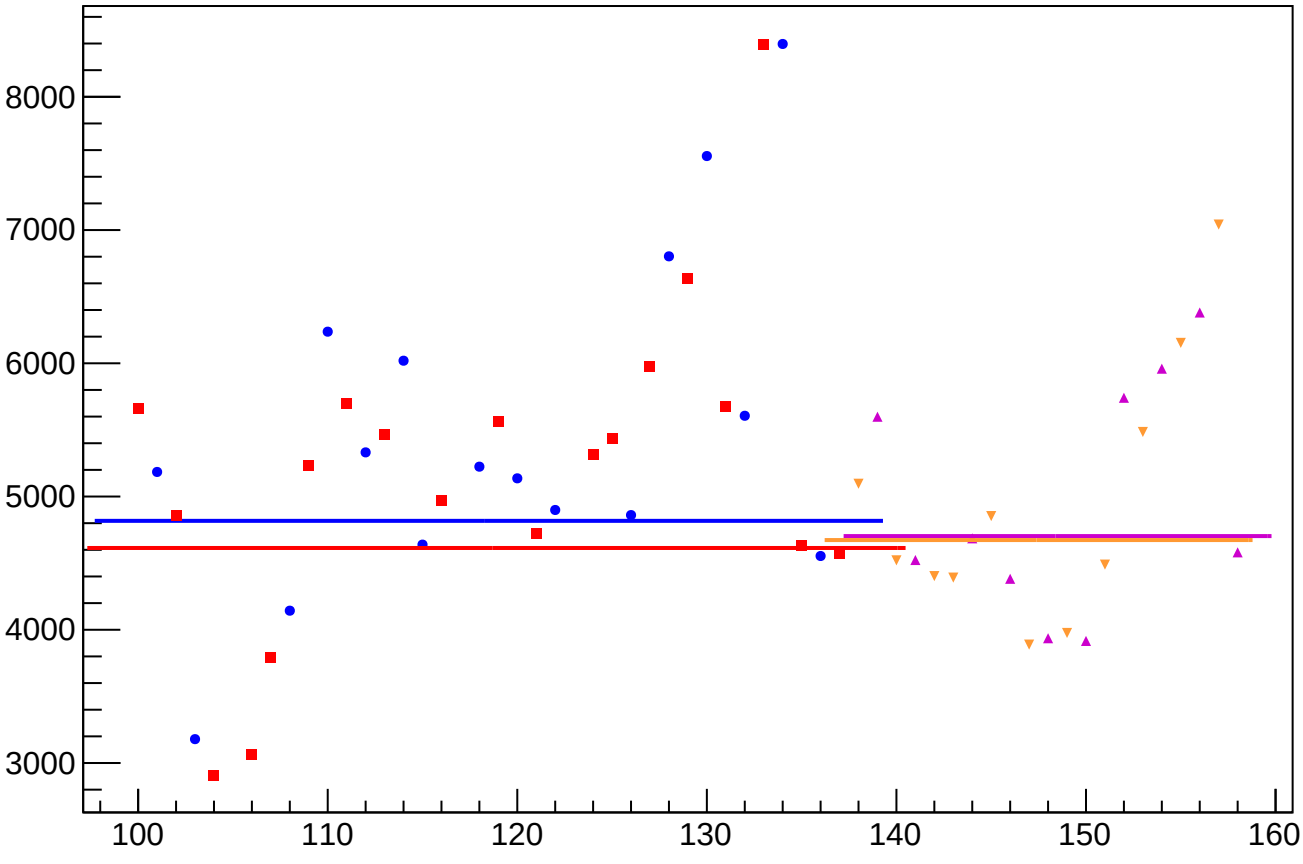
Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: -773.910+/-1617.409 χ^2/NDF:4.9/9

+ sign 744.460+/-1217.080 χ^2/NDF: 24.6/26

All: 416.849+/-851.807 χ^2/NDF: 46.5/55

- sign 102.301+/-1192.569 χ^2/NDF: 21.8/28



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4673.292+/-1.144 χ^2/NDF:458986.1/10

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

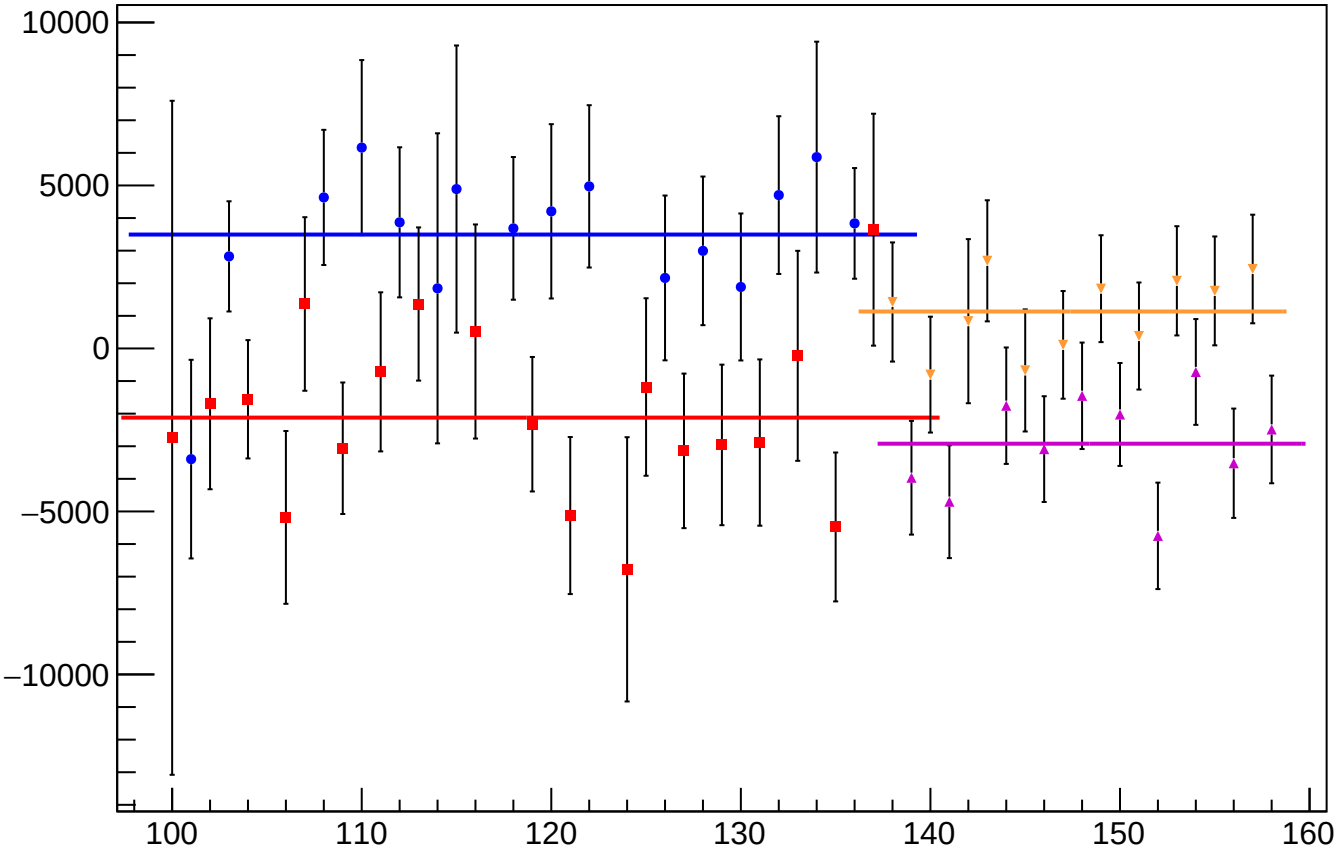
Left In: 4703.147+/-1.144 χ^2/NDF:439817.4/9

+ sign 4735.811+/-0.861 χ^2/NDF: 1261113.2/26

All: 4698.357+/-0.602 χ^2/NDF: 2685383.1/55

- sign 4662.397+/-0.843 χ^2/NDF: 1420557.4/28

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1133.753+/-531.975 χ^2/NDF:4.7/10

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

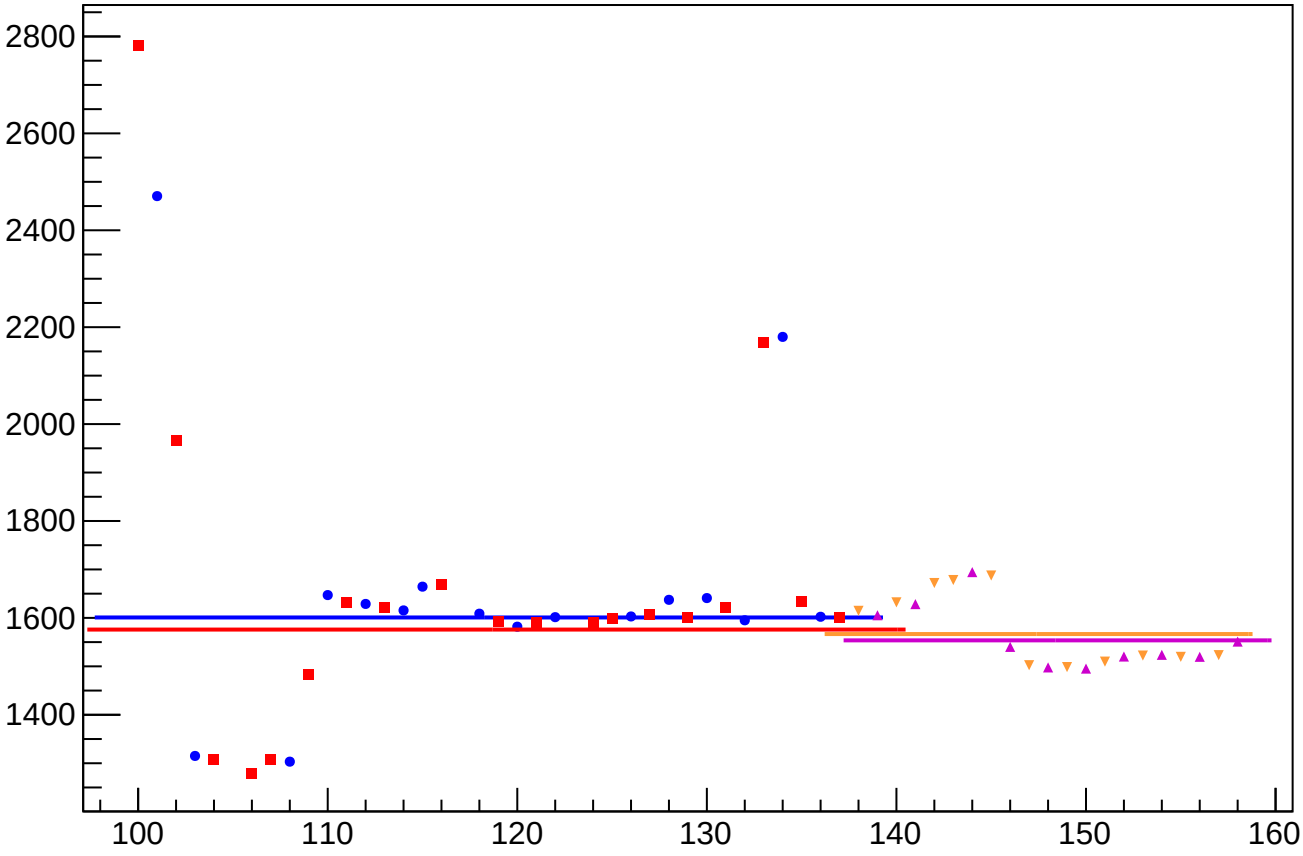
Left In: -2922.010+/-526.364 χ^2/NDF:8.0/9

+ sign 2170.276+/-398.396 χ^2/NDF: 22.2/26

All: -235.630+/-279.445 χ^2/NDF: 118.1/55

- sign -2565.733+/-392.069 χ^2/NDF: 24.1/28

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1566.650+/-0.376 χ^2/NDF:36366.7/10

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

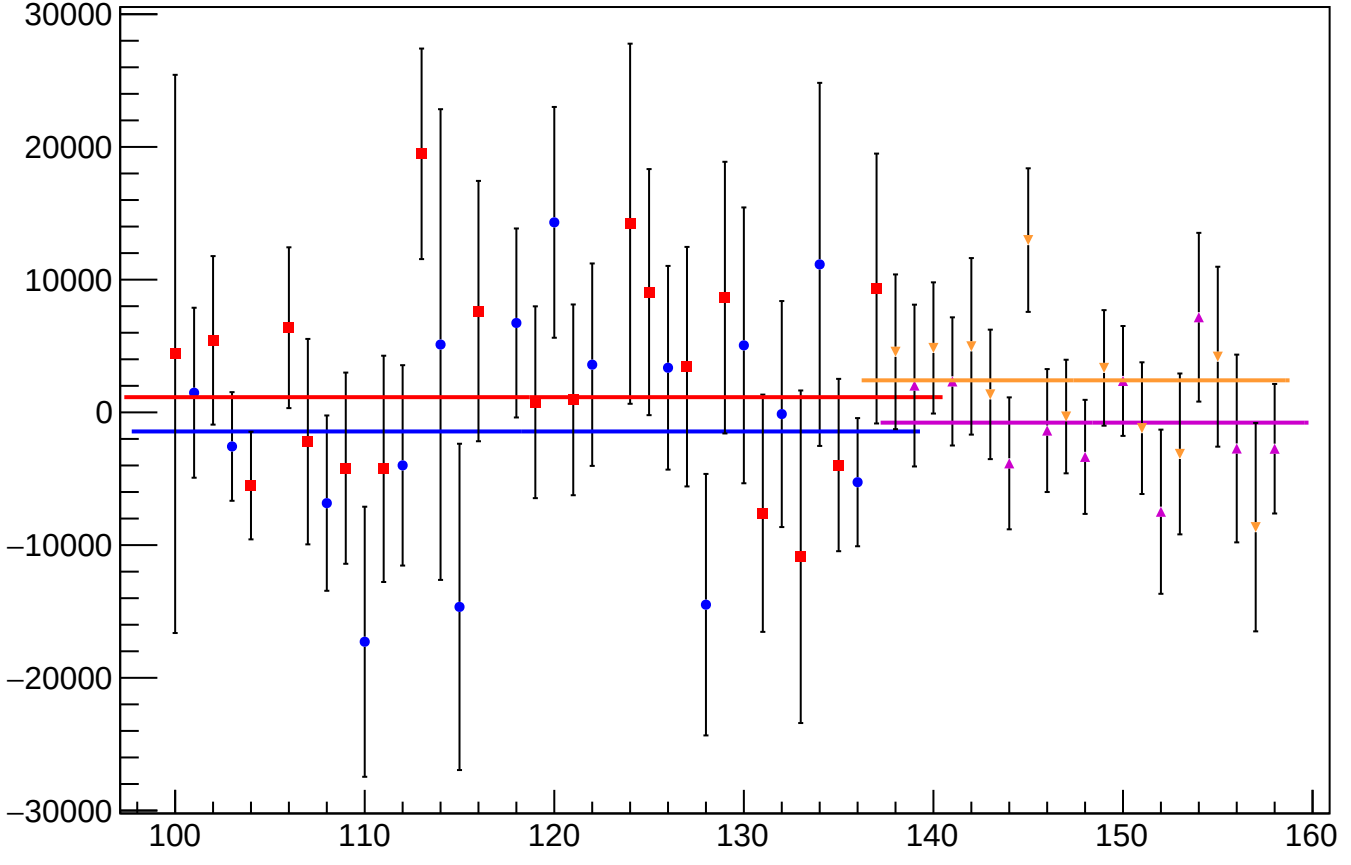
Left In: 1553.610+/-0.372 χ^2/NDF:25479.1/9

+ sign 1581.682+/-0.282 χ^2/NDF: 357416.1/26

All: 1572.469+/-0.197 χ^2/NDF: 629932.9/55

- sign 1563.577+/-0.277 χ^2/NDF: 270414.7/28

asym_usr_atr2_avg_eigen_cor_correction_mean vs Slug



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 2414.676+/-1617.167 χ^2/NDF:8.3/10

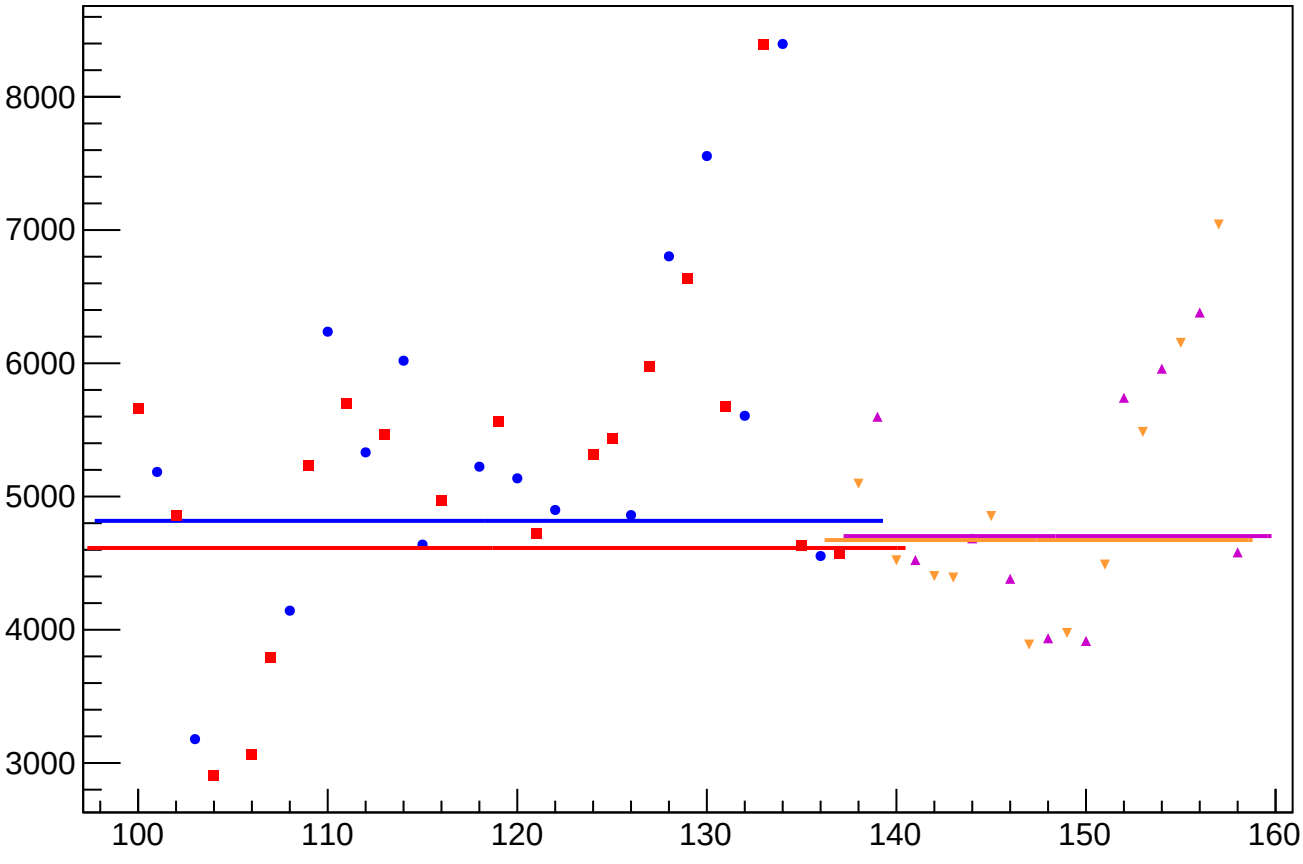
Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: -773.910+/-1617.409 χ^2/NDF:4.9/9

+ sign 744.460+/-1217.080 χ^2/NDF: 24.6/26

All: 416.849+/-851.807 χ^2/NDF: 46.5/55

- sign 102.301+/-1192.569 χ^2/NDF: 21.8/28



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4673.292+/-1.144 χ^2/NDF:458986.1/10

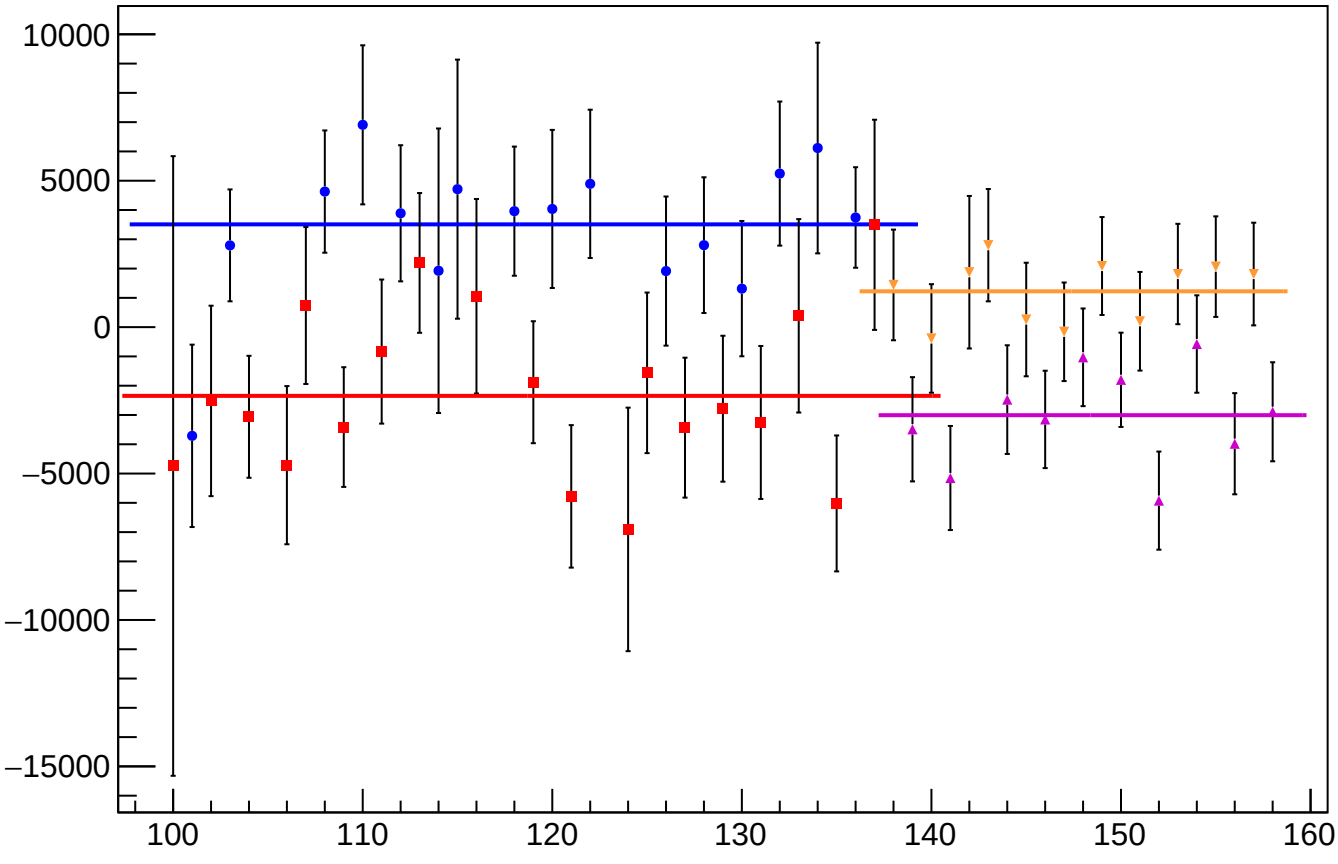
Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 4703.147+/-1.144 χ^2/NDF:439817.4/9

+ sign 4735.811+/-0.861 χ^2/NDF: 1261113.2/26

All: 4698.357+/-0.602 χ^2/NDF: 2685383.1/55

- sign 4662.397+/-0.843 χ^2/NDF: 1420557.4/28



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1223.384+/-548.438 χ^2/NDF:3.5/10

Right Out: -2346.859+/-607.502 χ^2/NDF: 17.1/18

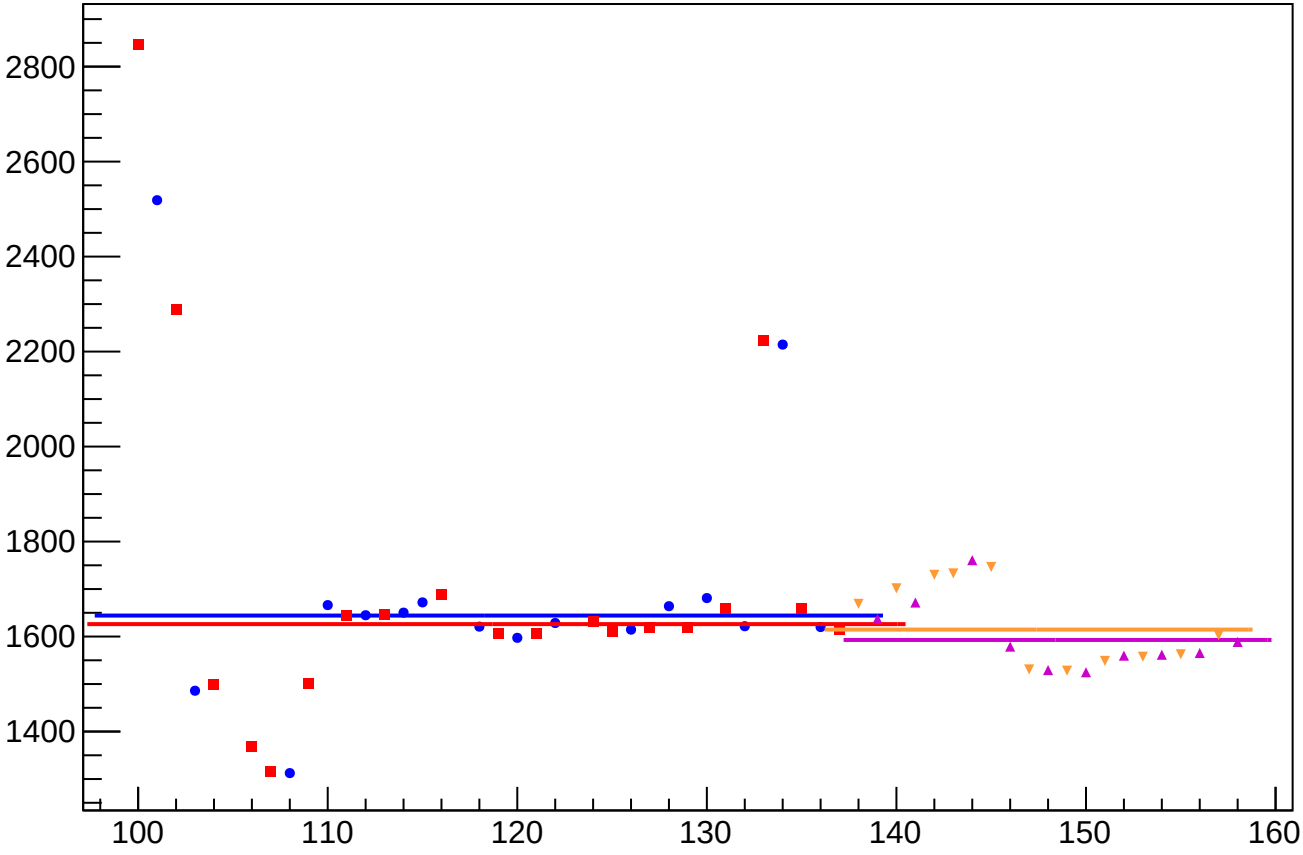
Left In: -3006.357+/-539.746 χ^2/NDF:9.1/9

+ sign 2232.922+/-409.829 χ^2/NDF: 21.6/26

All: -279.779+/-287.528 χ^2/NDF: 122.5/55

- sign -2715.422+/-403.496 χ^2/NDF: 26.8/28

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1614.661+/-0.388 χ^2/NDF:44347.8/10

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

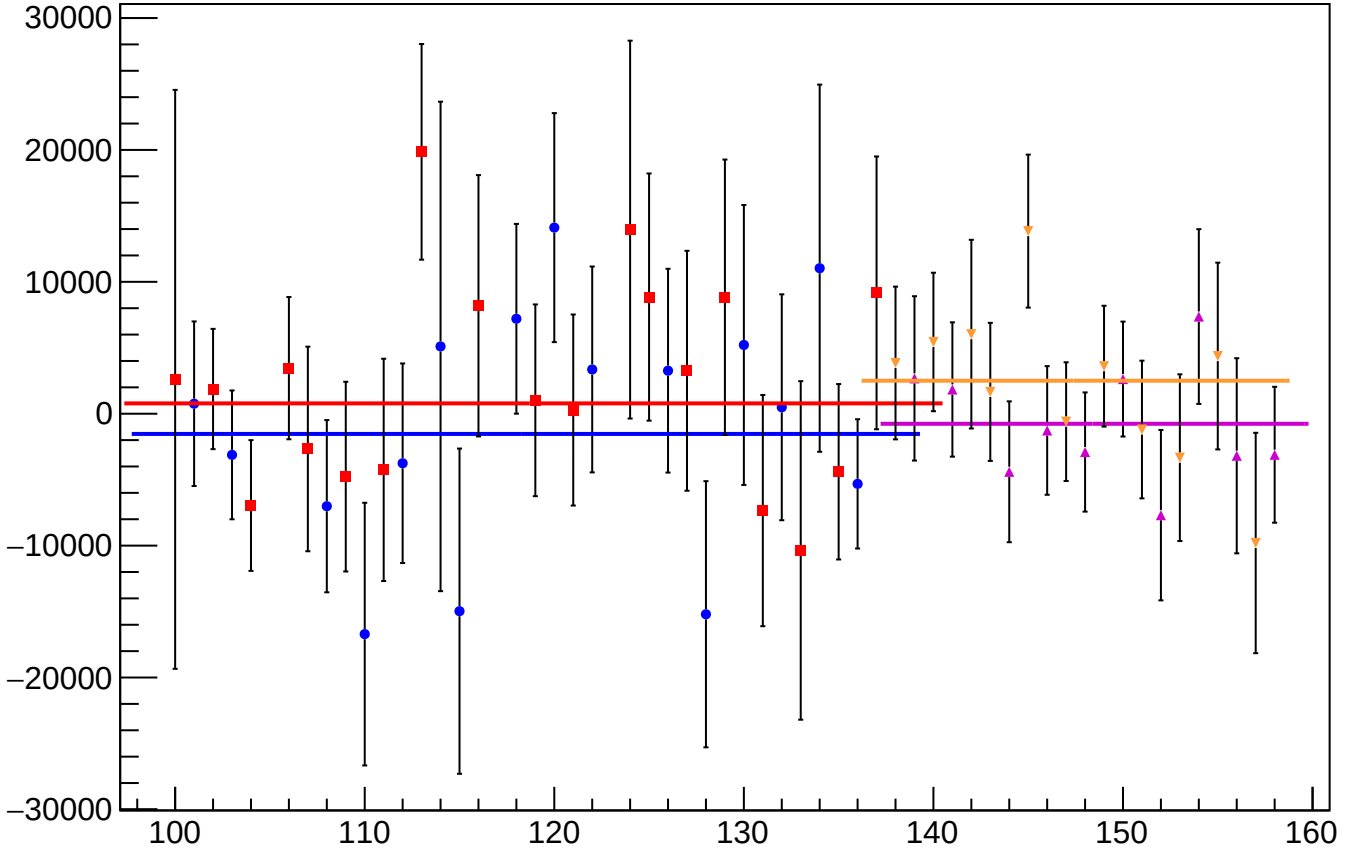
Left In: 1592.837+/-0.382 χ^2/NDF:30181.0/9

+ sign 1627.704+/-0.290 χ^2/NDF: 321727.5/26

All: 1617.471+/-0.203 χ^2/NDF: 595371.8/55

- sign 1607.558+/-0.285 χ^2/NDF: 271189.3/28

asym_usr_atr2_avg_dit_correction_mean vs Slug



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 2503.907+/-1702.689 χ^2/NDF:8.6/10

Right Out: 784.235+/-1748.566 χ^2/NDF: 15.0/18

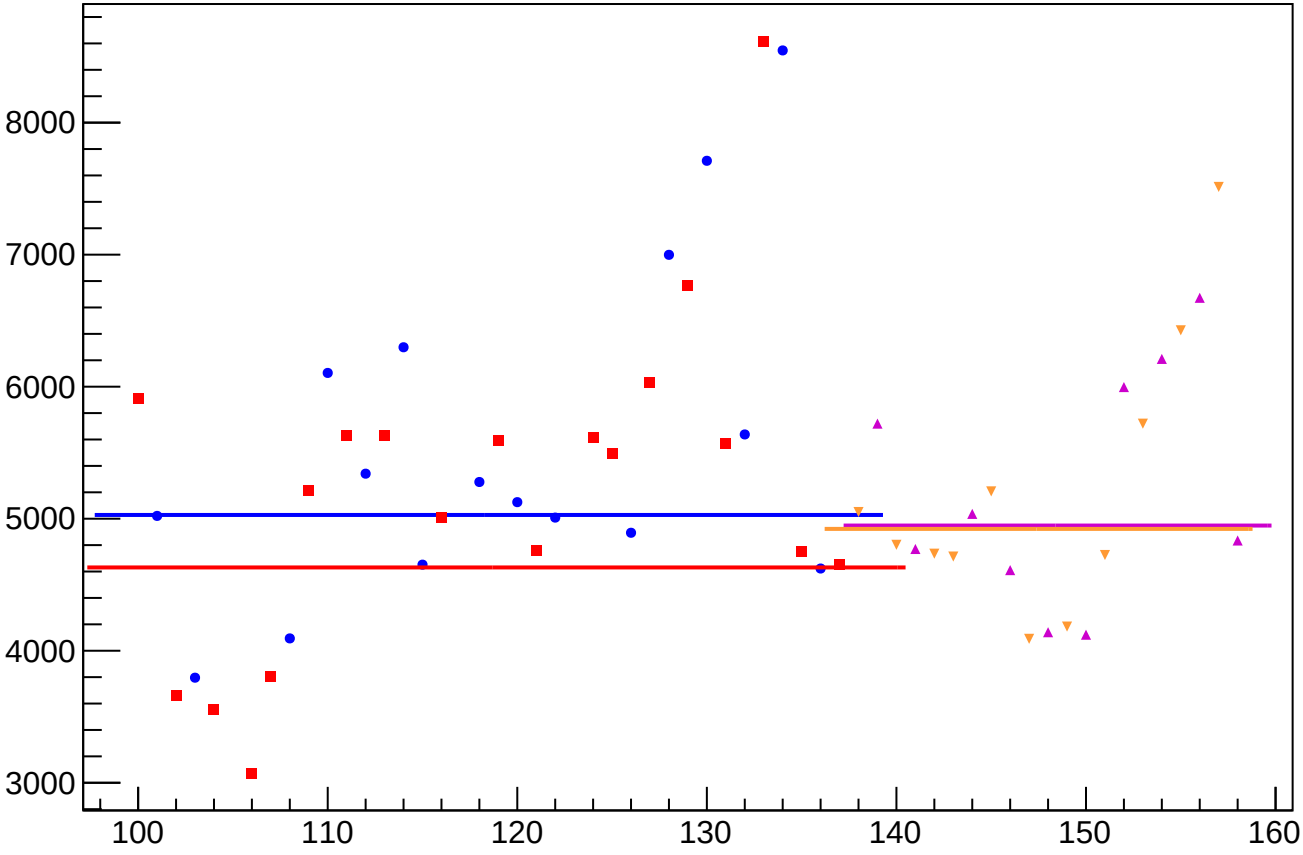
Left In: -761.856+/-1700.441 χ^2/NDF:4.8/9

\+ sign 720.697+/-1272.099 χ^2/NDF: 24.9/26

All: 339.598+/-880.156 χ^2/NDF: 45.4/55

\- sign -10.379+/-1219.052 χ^2/NDF: 20.3/28

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 4922.905+/-1.204 χ^2/NDF:449225.3/10

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

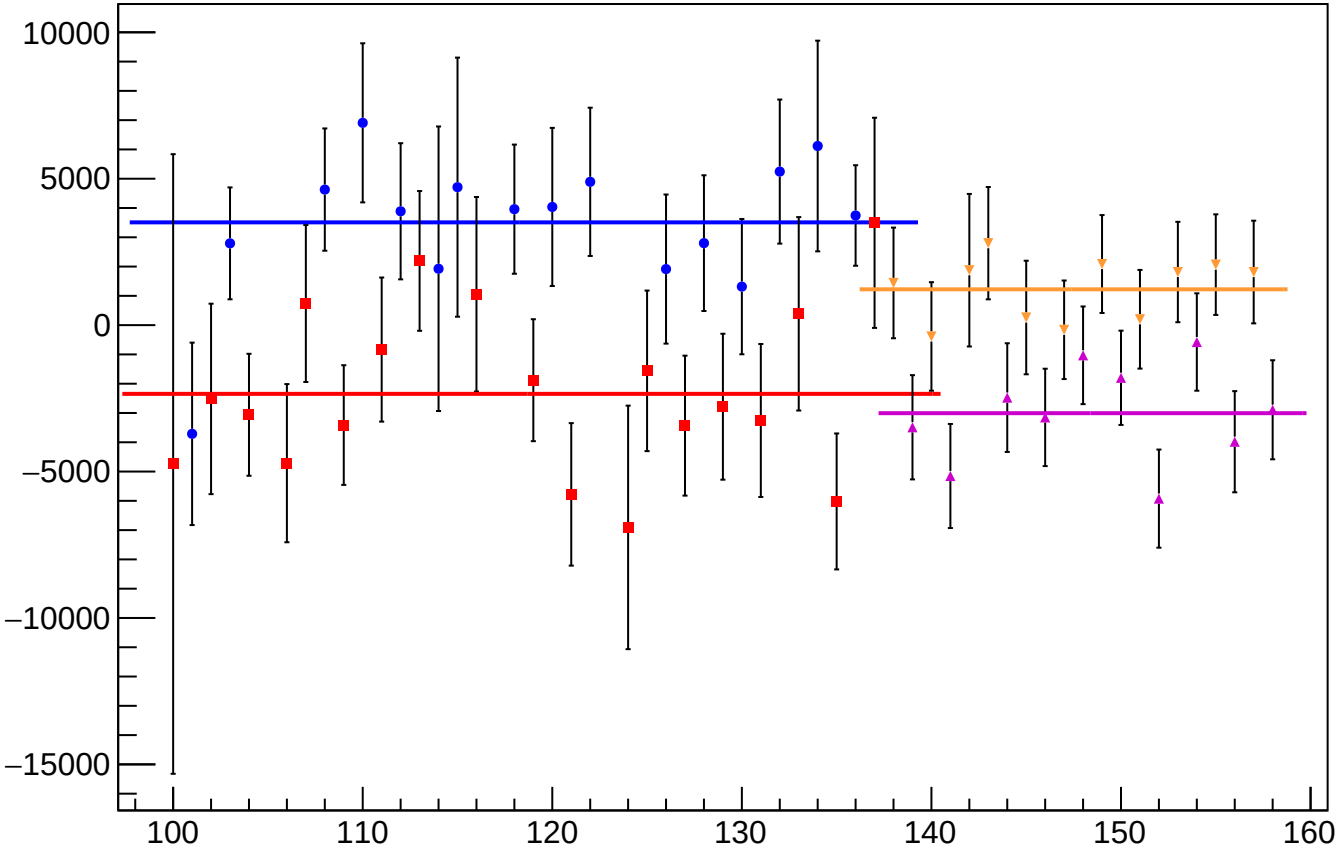
Left In: 4948.215+/-1.202 χ^2/NDF:414335.0/9

+ sign 4969.537+/-0.900 χ^2/NDF: 1018090.1/26

All: 4878.024+/-0.622 χ^2/NDF: 2349645.9/55

- sign 4793.985+/-0.862 χ^2/NDF: 1311700.6/28

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1223.378+/-548.438 χ^2/NDF:3.5/10

Right Out: -2346.865+/-607.502 χ^2/NDF: 17.1/18

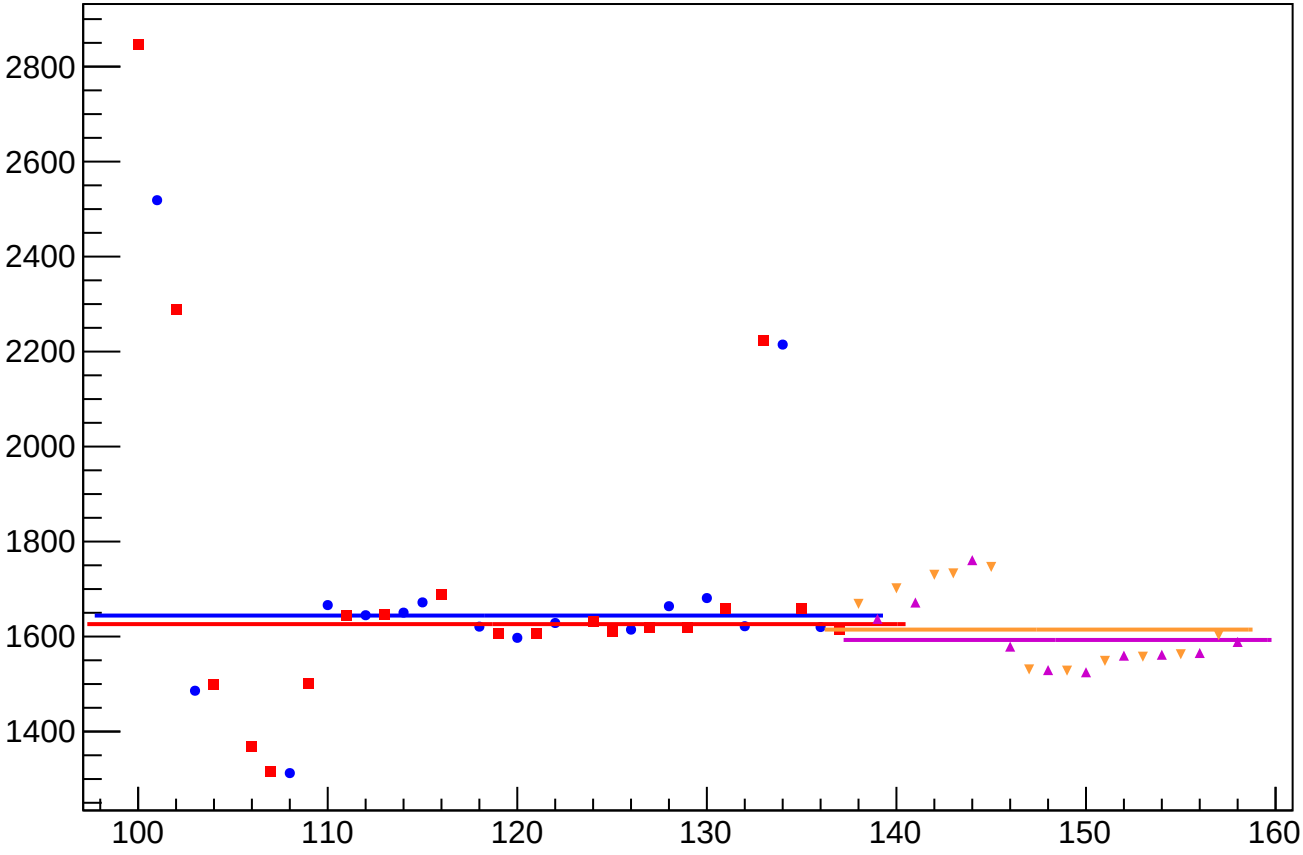
Left In: -3006.356+/-539.747 χ^2/NDF:9.1/9

+ sign 2232.921+/-409.829 χ^2/NDF: 21.6/26

All: -279.781+/-287.528 χ^2/NDF: 122.5/55

- sign -2715.424+/-403.496 χ^2/NDF: 26.8/28

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198+/-0.436 χ^2/NDF: 274818.1/15

Left Out: 1614.662+/-0.388 χ^2/NDF:44348.0/10

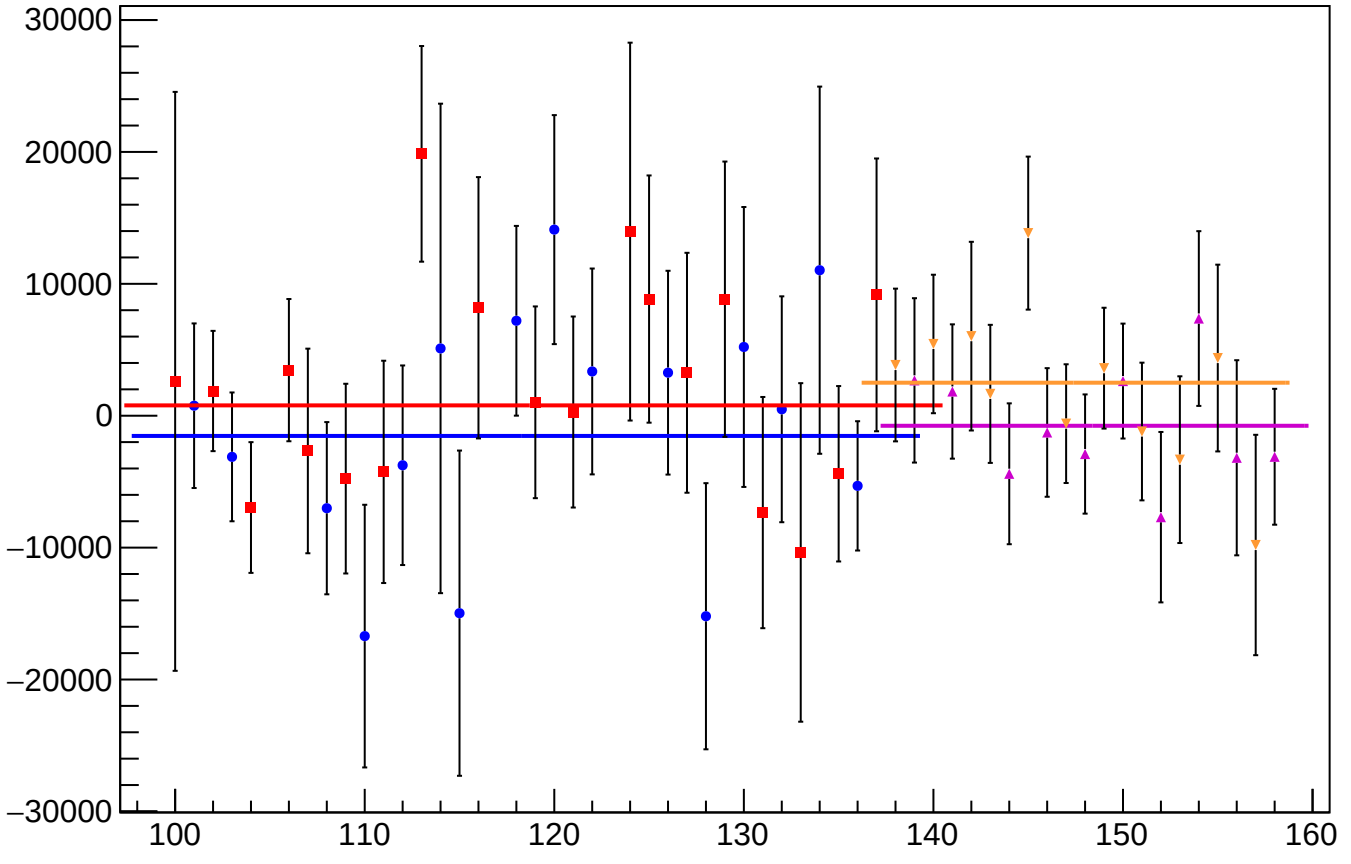
Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 1592.838+/-0.382 χ^2/NDF:30181.0/9

+ sign 1627.705+/-0.290 χ^2/NDF: 321727.6/26

All: 1617.471+/-0.203 χ^2/NDF: 595371.2/55

- sign 1607.559+/-0.285 χ^2/NDF: 271188.6/28



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 2503.903+/-1702.692 χ^2/NDF:8.6/10

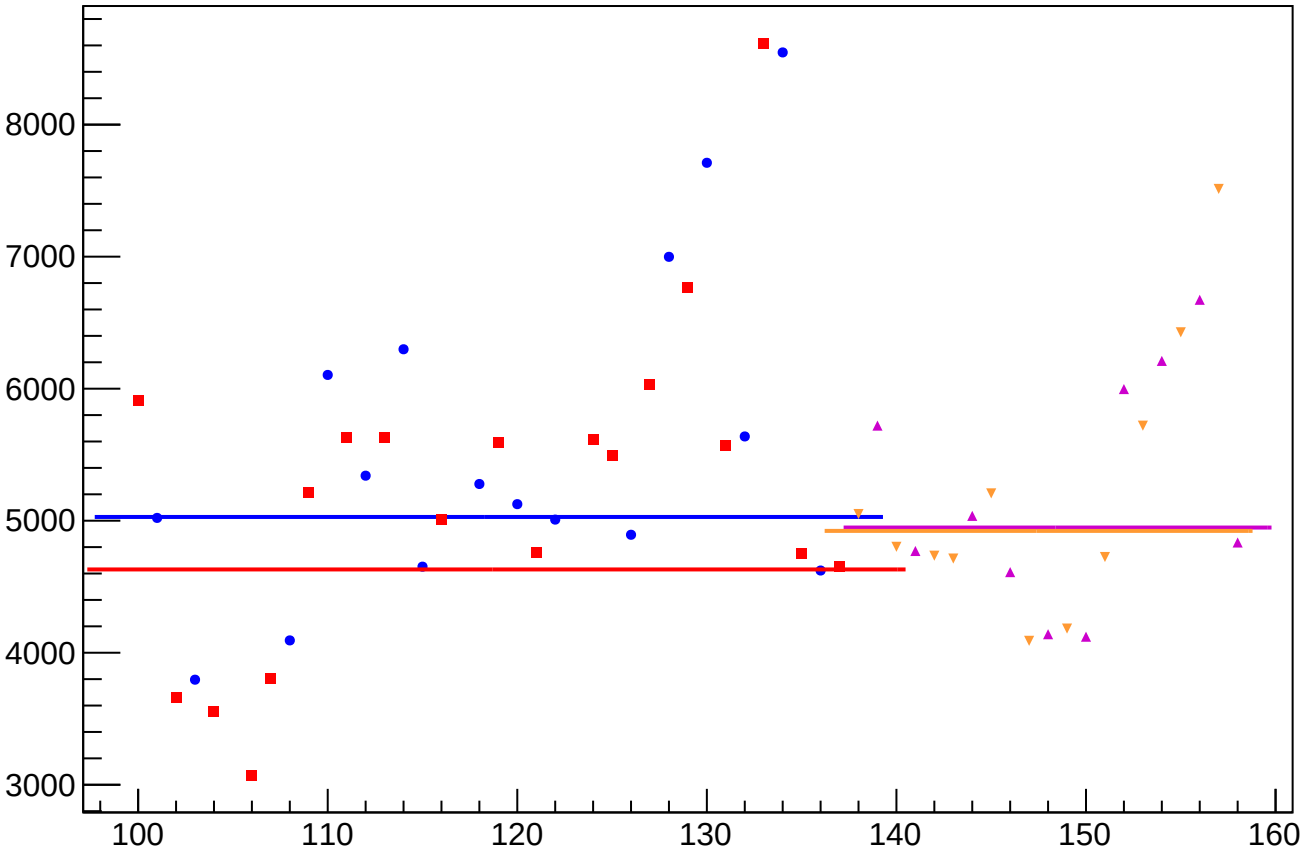
Right Out: 784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: -761.855+/-1700.444 χ^2/NDF:4.8/9

+ sign 720.696+/-1272.099 χ^2/NDF: 24.9/26

All: 339.600+/-880.156 χ^2/NDF: 45.4/55

- sign -10.376+/-1219.052 χ^2/NDF: 20.3/28



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 4922.912+/-1.204 χ^2/NDF:449224.6/10

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

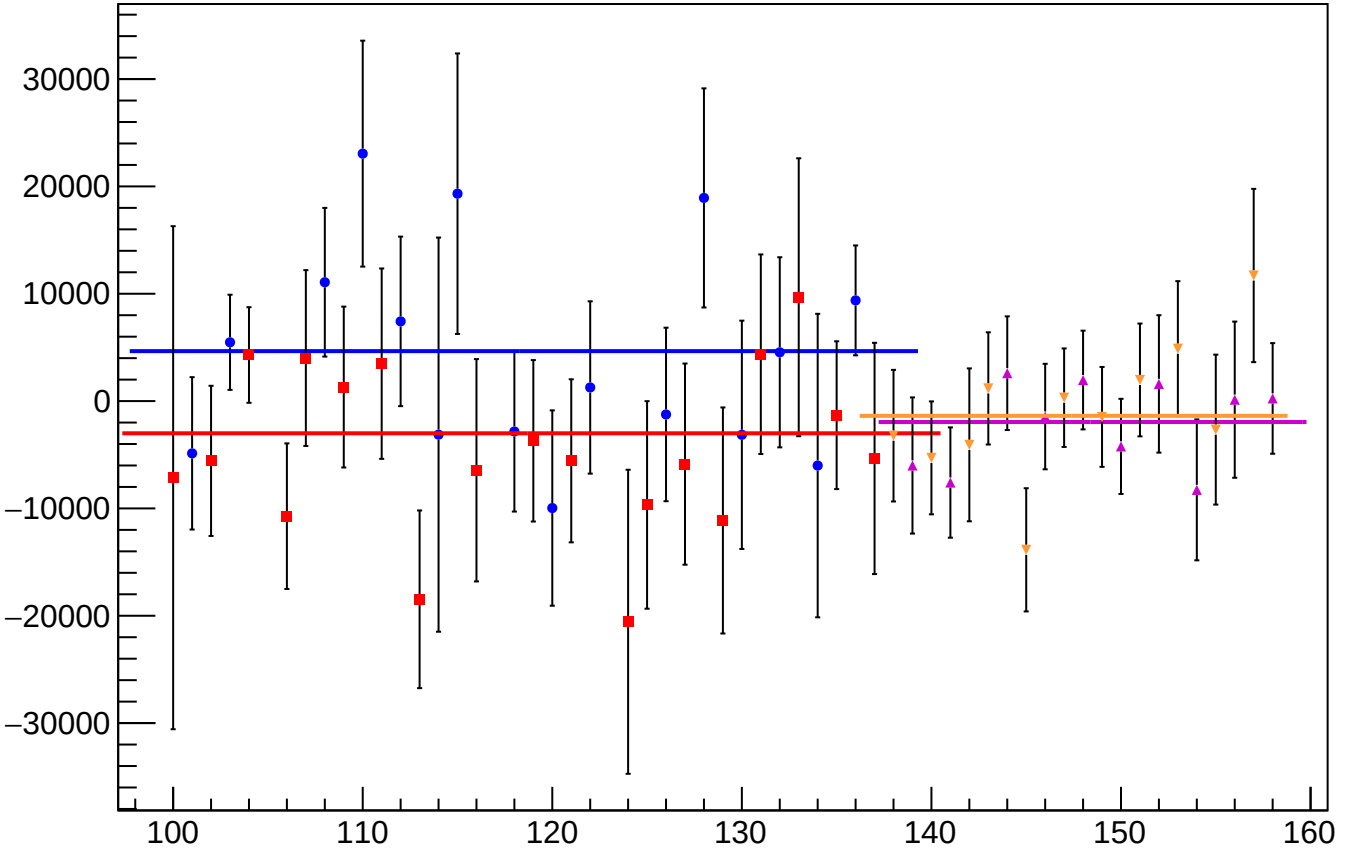
Left In: 4948.223+/-1.202 χ^2/NDF:414333.7/9

+ sign 4969.539+/-0.900 χ^2/NDF: 1018082.2/26

All: 4878.025+/-0.622 χ^2/NDF: 2349634.0/55

- sign 4793.985+/-0.862 χ^2/NDF: 1311696.3/28

asym_usr_atr2_avg_mean vs Slug



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: -1375.646+/-1714.083 χ^2/NDF:9.9/10

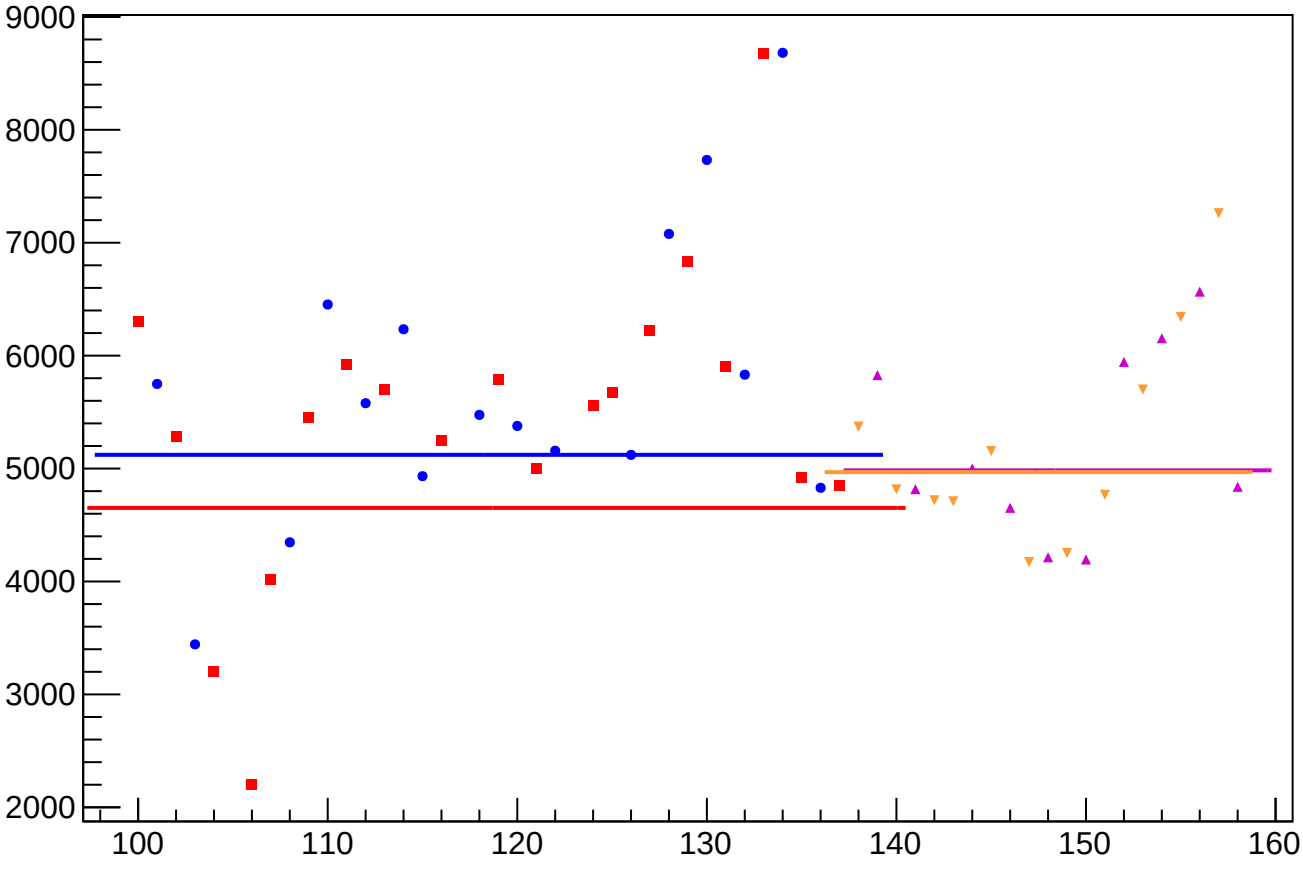
Right Out: -3000.980+/-1882.821 χ^2/NDF: 13.9/18

Left In: -1950.301+/-1709.697 χ^2/NDF:4.8/9

+ sign 1239.295+/-1289.849 χ^2/NDF: 30.8/26

All: -627.498+/-903.412 χ^2/NDF: 53.8/55

- sign -2425.126+/-1265.728 χ^2/NDF: 18.9/28



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 4968.541+/-1.212 χ^2/NDF:396231.4/10

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

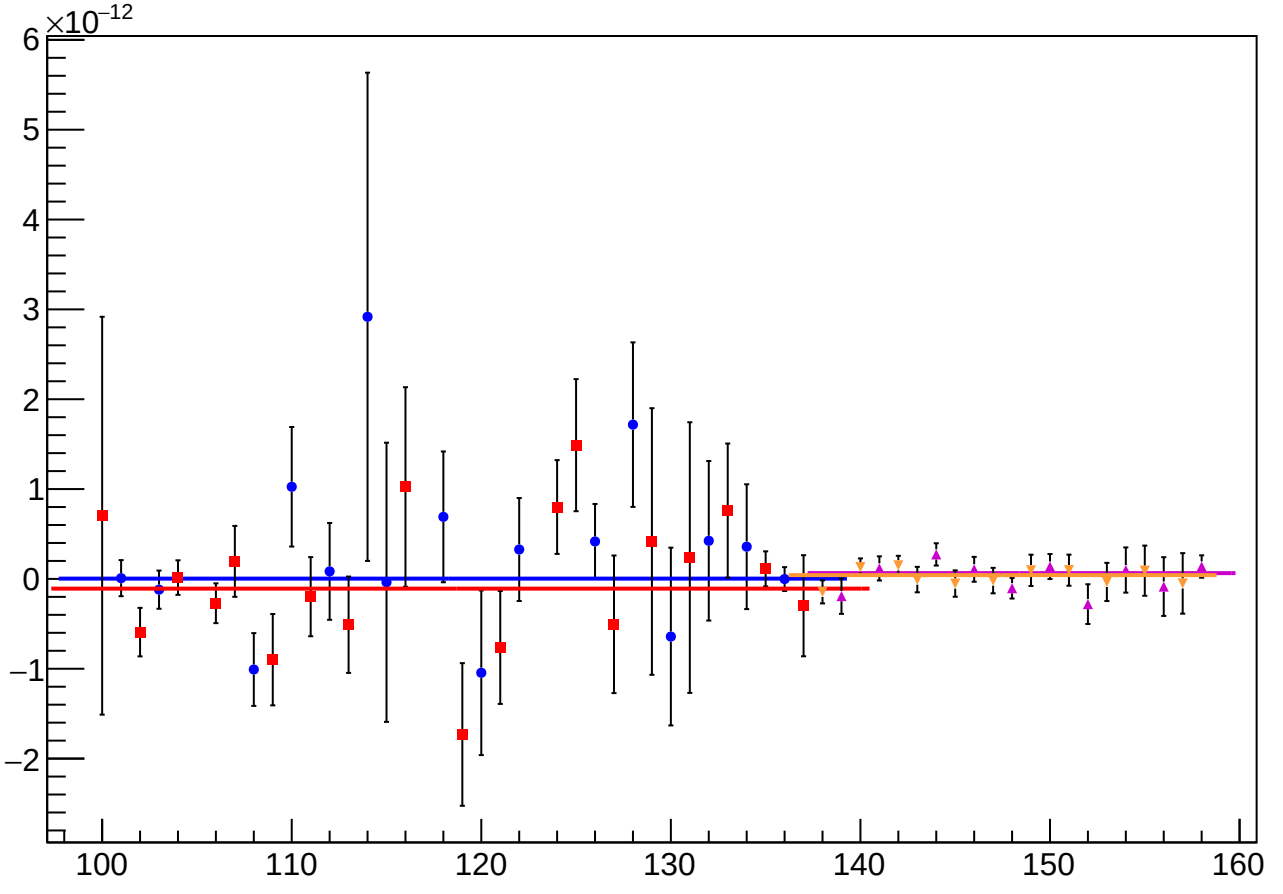
Left In: 4984.262+/-1.209 χ^2/NDF:370852.8/9

+ sign 5034.948+/-0.912 χ^2/NDF: 1123522.3/26

All: 4927.411+/-0.633 χ^2/NDF: 2901718.4/55

- sign 4827.527+/-0.879 χ^2/NDF: 1751382.0/28

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.2/10

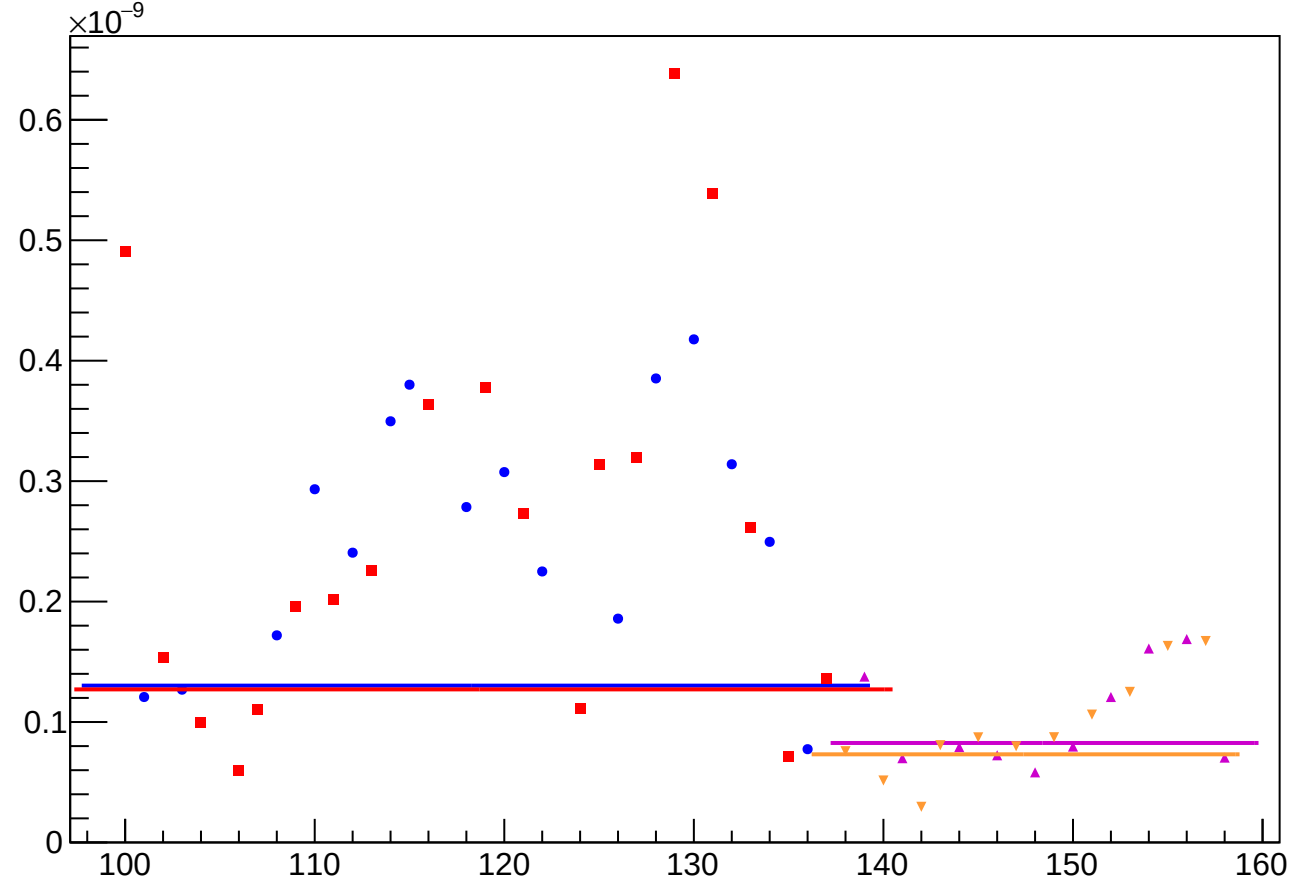
Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:10.2/9

+ sign 0.000+/-0.000 χ^2/NDF: 23.4/26

All: 0.000+/-0.000 χ^2/NDF: 61.6/55

- sign 0.000+/-0.000 χ^2/NDF: 38.2/28



Right In: 0.000+/-0.000 χ^2/NDF: 1329229.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1036716.5/10

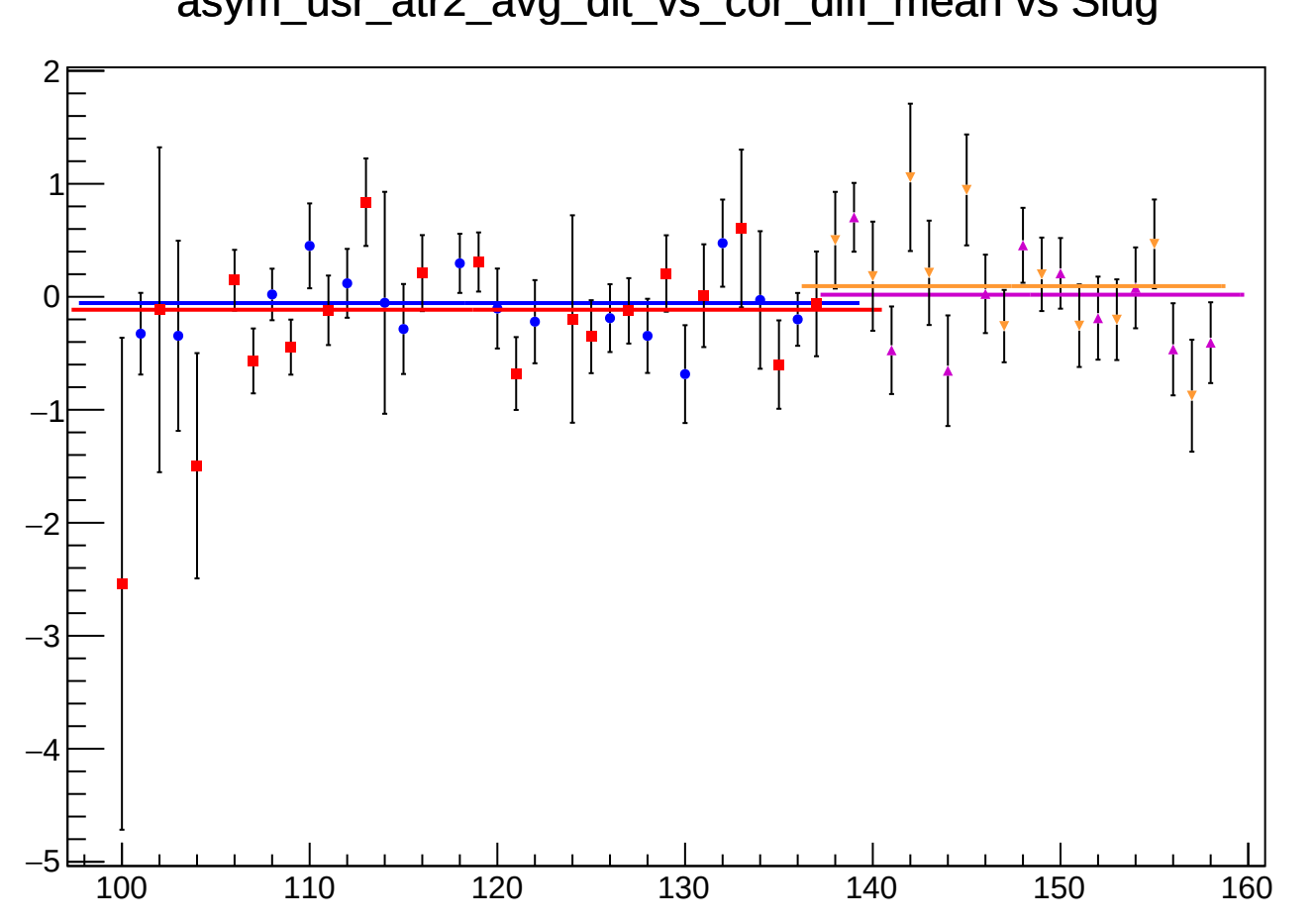
Right Out: 0.000+/-0.000 χ^2/NDF: 1734331.2/18

Left In: 0.000+/-0.000 χ^2/NDF:689576.9/9

+ sign 0.000+/-0.000 χ^2/NDF: 3055983.4/26

All: 0.000+/-0.000 χ^2/NDF: 5897711.7/55

- sign 0.000+/-0.000 χ^2/NDF: 2807493.8/28



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.094+/-0.123 χ^2/NDF:13.9/10

Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

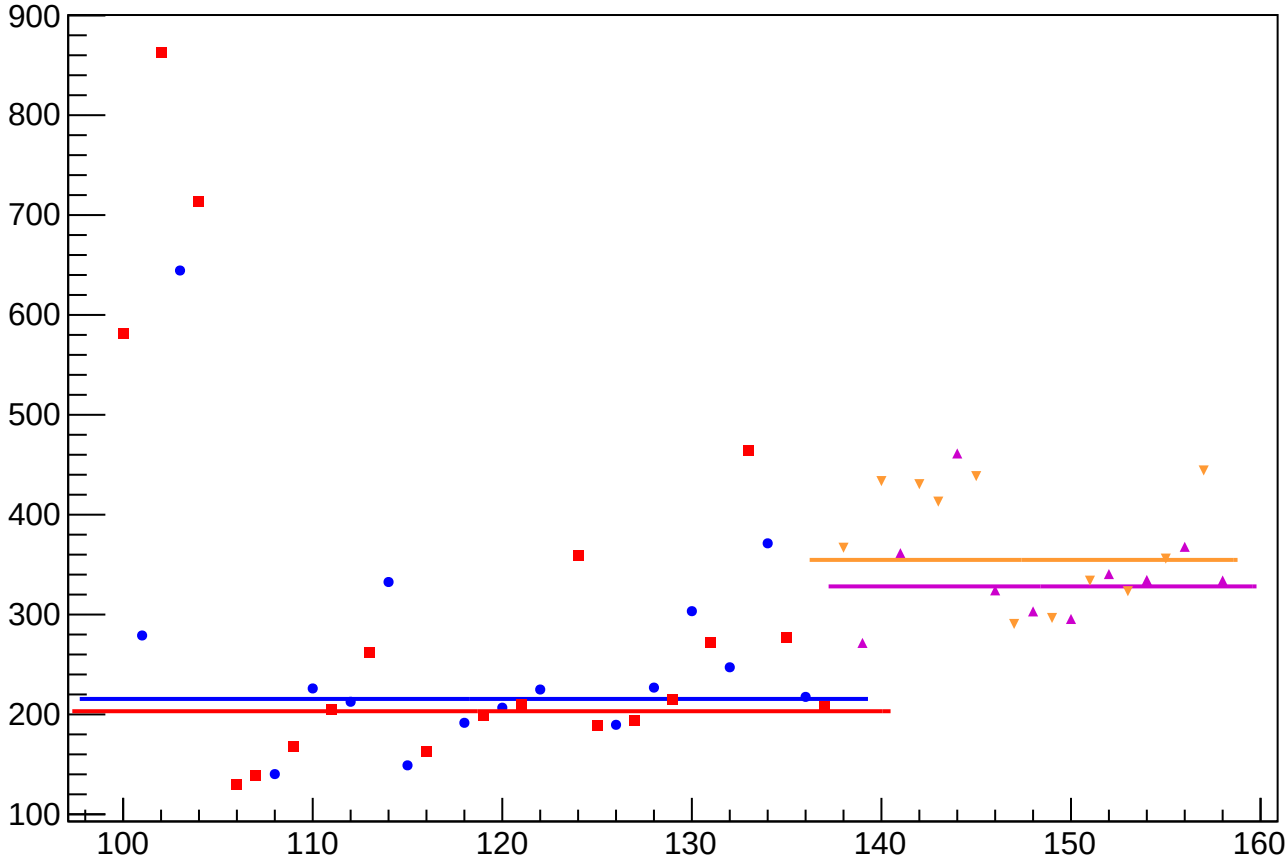
Left In: 0.018+/-0.113 χ^2/NDF:13.8/9

+ sign -0.007+/-0.070 χ^2/NDF: 25.5/26

All: -0.039+/-0.048 χ^2/NDF: 65.9/55

- sign -0.068+/-0.067 χ^2/NDF: 40.0/28

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 354.727+/-0.087 χ^2/NDF:403918.6/10

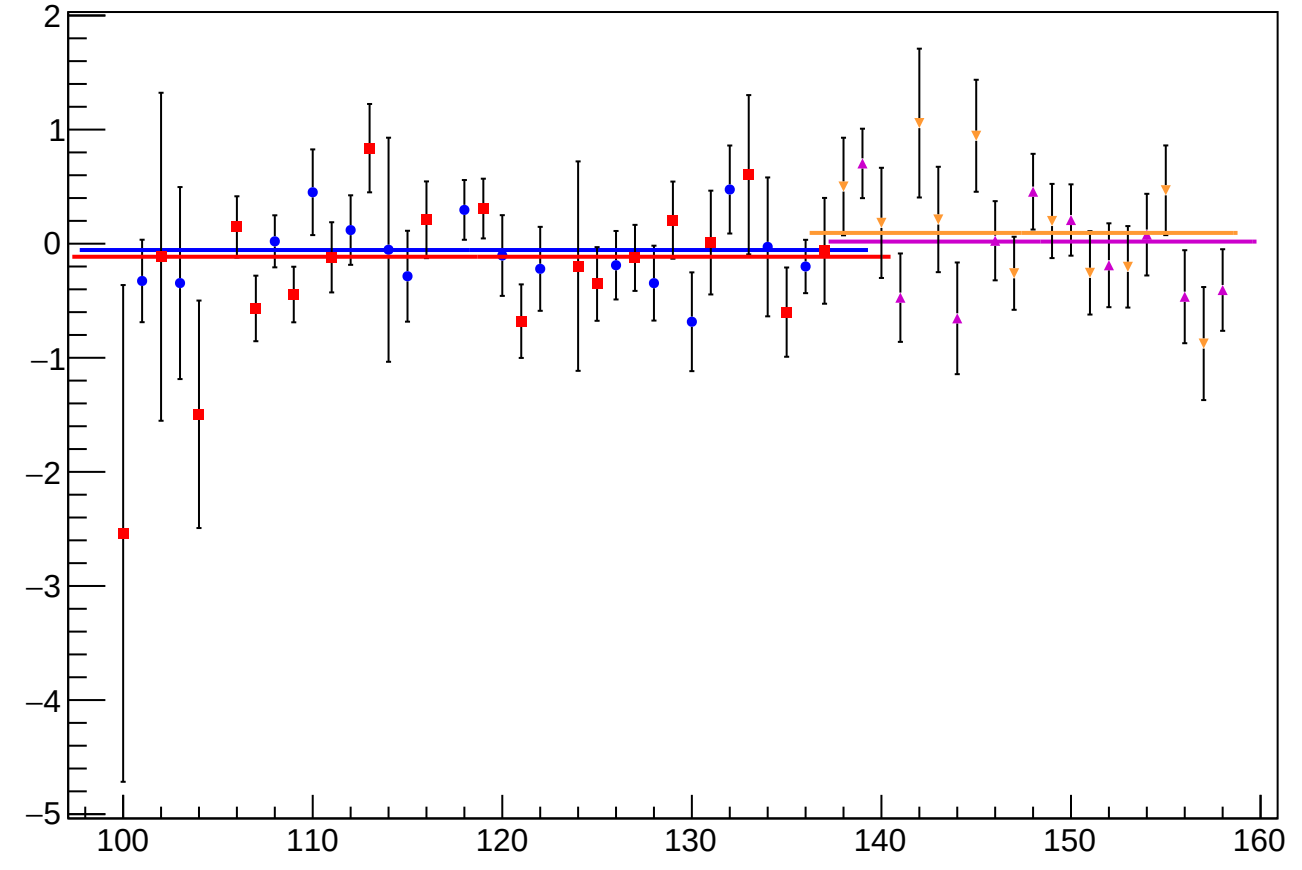
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 328.187+/-0.080 χ^2/NDF:287580.6/9

+ sign 260.823+/-0.050 χ^2/NDF: 3279317.0/26

All: 253.669+/-0.034 χ^2/NDF: 7028317.7/55

- sign 247.150+/-0.047 χ^2/NDF: 3709299.6/28



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.094+/-0.123 χ^2/NDF:13.9/10

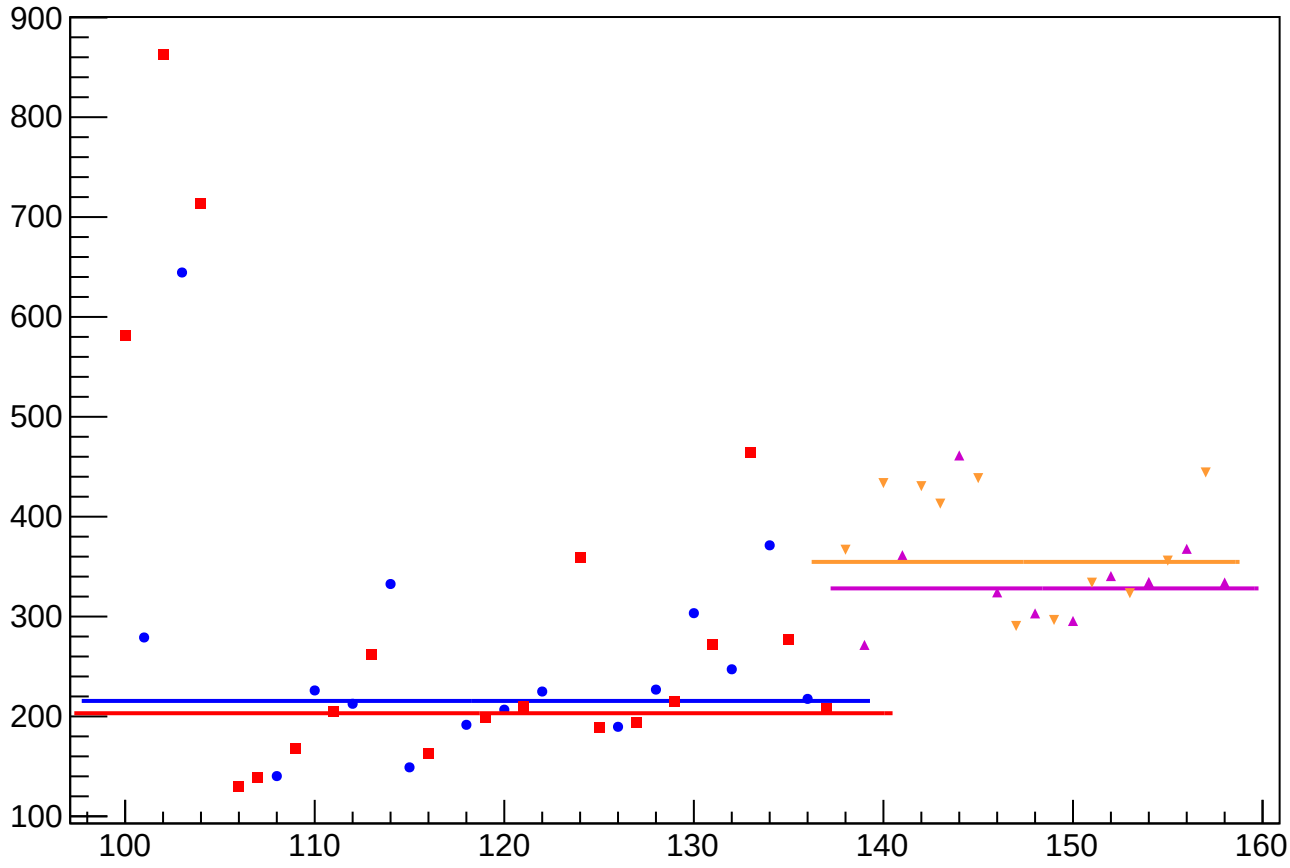
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.018+/-0.113 χ^2/NDF:13.8/9

+ sign -0.007+/-0.070 χ^2/NDF: 25.5/26

All: -0.039+/-0.048 χ^2/NDF: 65.9/55

- sign -0.068+/-0.067 χ^2/NDF: 40.0/28



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 354.727+/-0.087 χ^2/NDF:403918.6/10

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

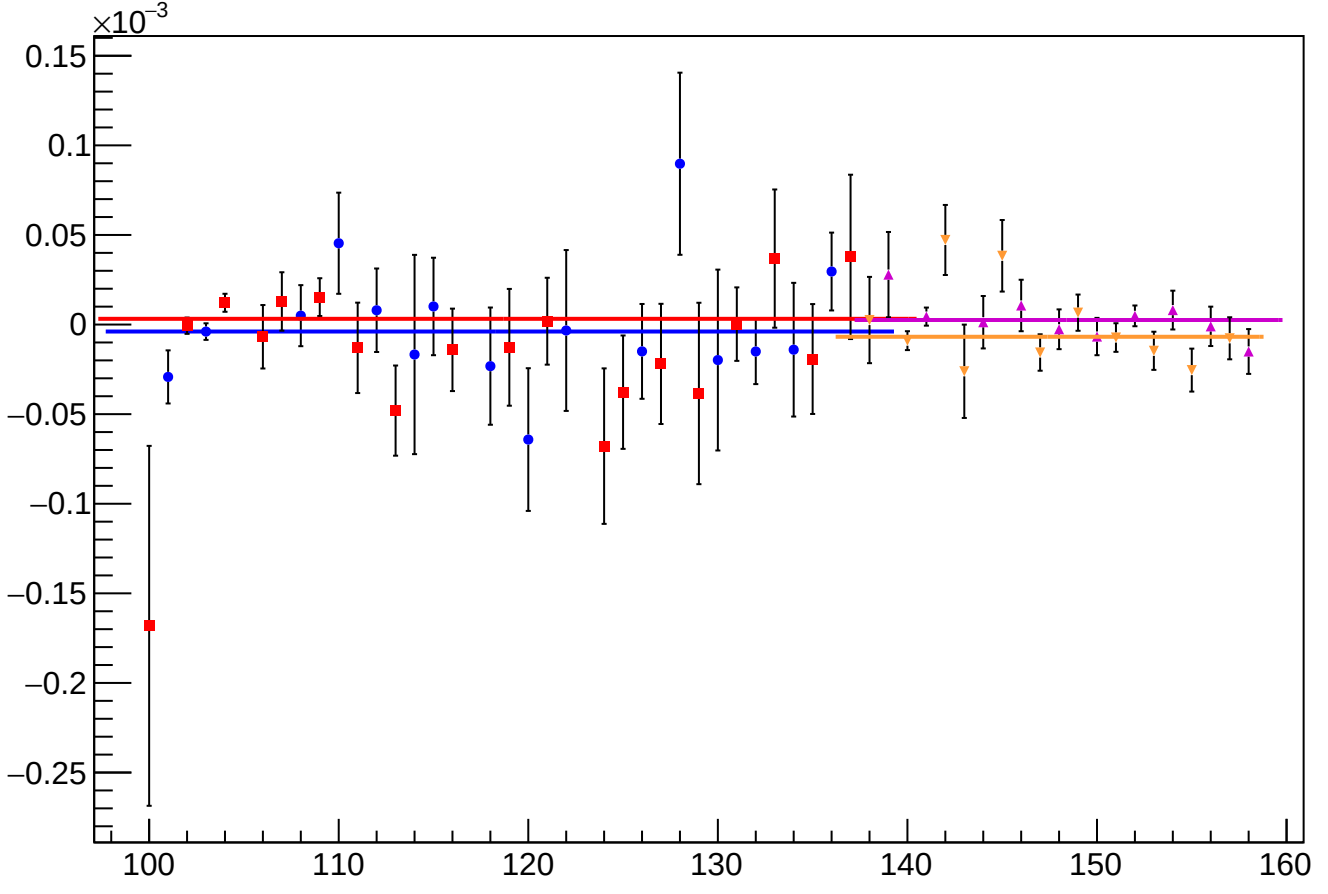
Left In: 328.187+/-0.080 χ^2/NDF:287580.6/9

+ sign 260.823+/-0.050 χ^2/NDF: 3279317.0/26

All: 253.669+/-0.034 χ^2/NDF: 7028317.7/55

- sign 247.150+/-0.047 χ^2/NDF: 3709299.6/28

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/10

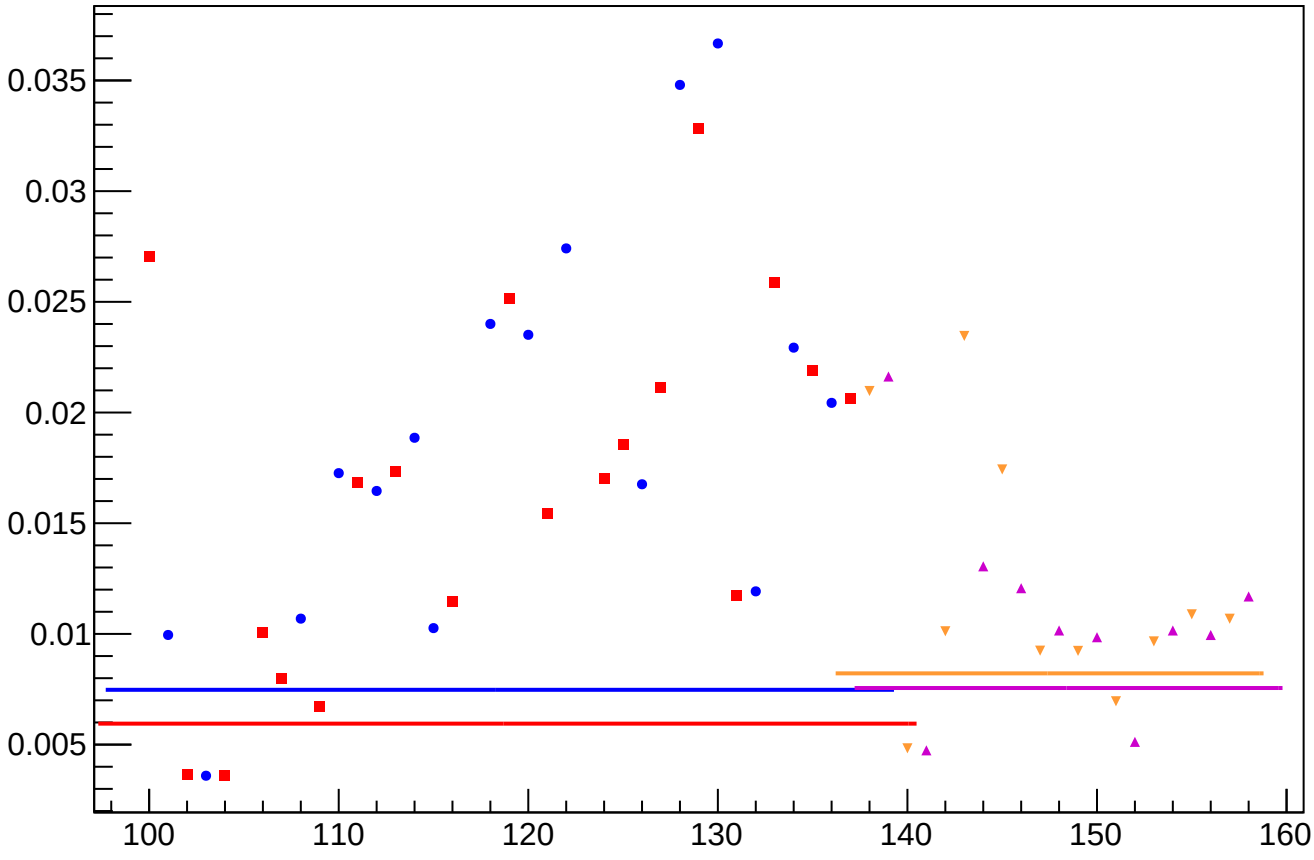
Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: 0.000+/-0.000 χ^2/NDF:5.1/9

+ sign -0.000+/-0.000 χ^2/NDF: 35.4/26

All: -0.000+/-0.000 χ^2/NDF: 69.4/55

- sign 0.000+/-0.000 χ^2/NDF: 26.8/28



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:2830466.2/10

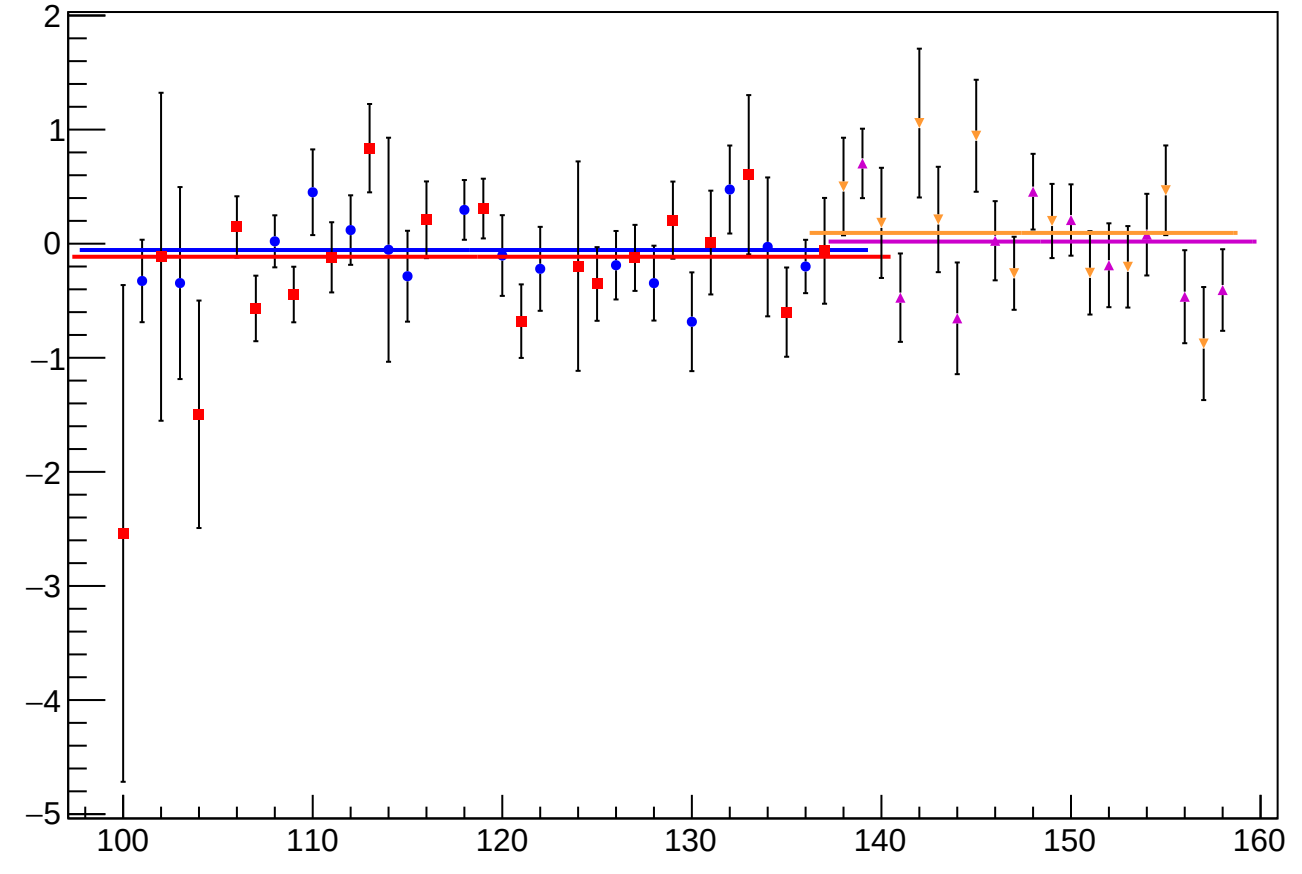
Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.008+/-0.000 χ^2/NDF:2789357.9/9

+ sign 0.008+/-0.000 χ^2/NDF: 8952431.4/26

All: 0.007+/-0.000 χ^2/NDF: 18256692.6/55

- sign 0.007+/-0.000 χ^2/NDF: 9034307.1/28



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.094+/-0.123 χ^2/NDF:13.9/10

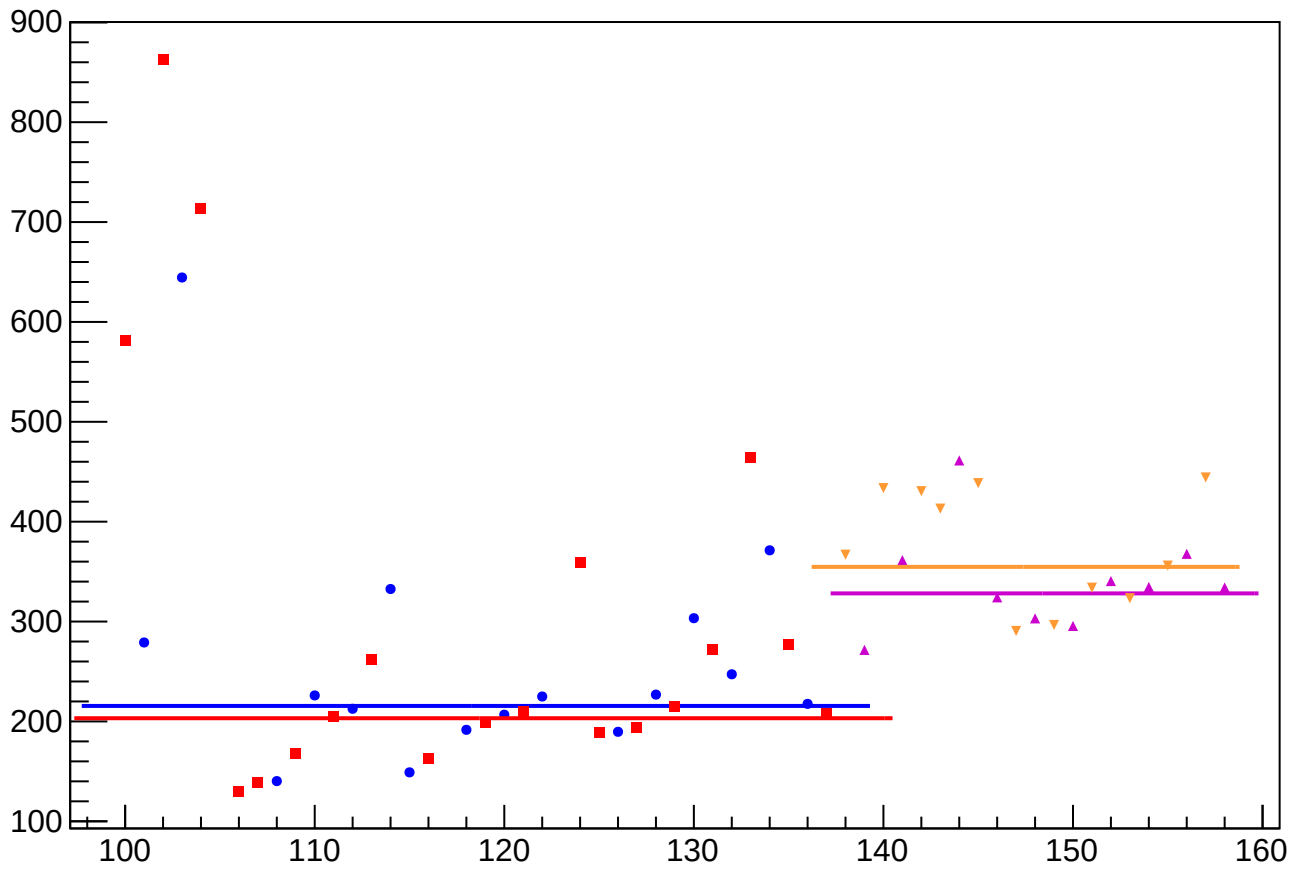
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.018+/-0.113 χ^2/NDF:13.8/9

+ sign -0.007+/-0.070 χ^2/NDF: 25.5/26

All: -0.039+/-0.048 χ^2/NDF: 65.9/55

- sign -0.068+/-0.067 χ^2/NDF: 40.0/28



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 354.732+/-0.087 χ^2/NDF:403910.1/10

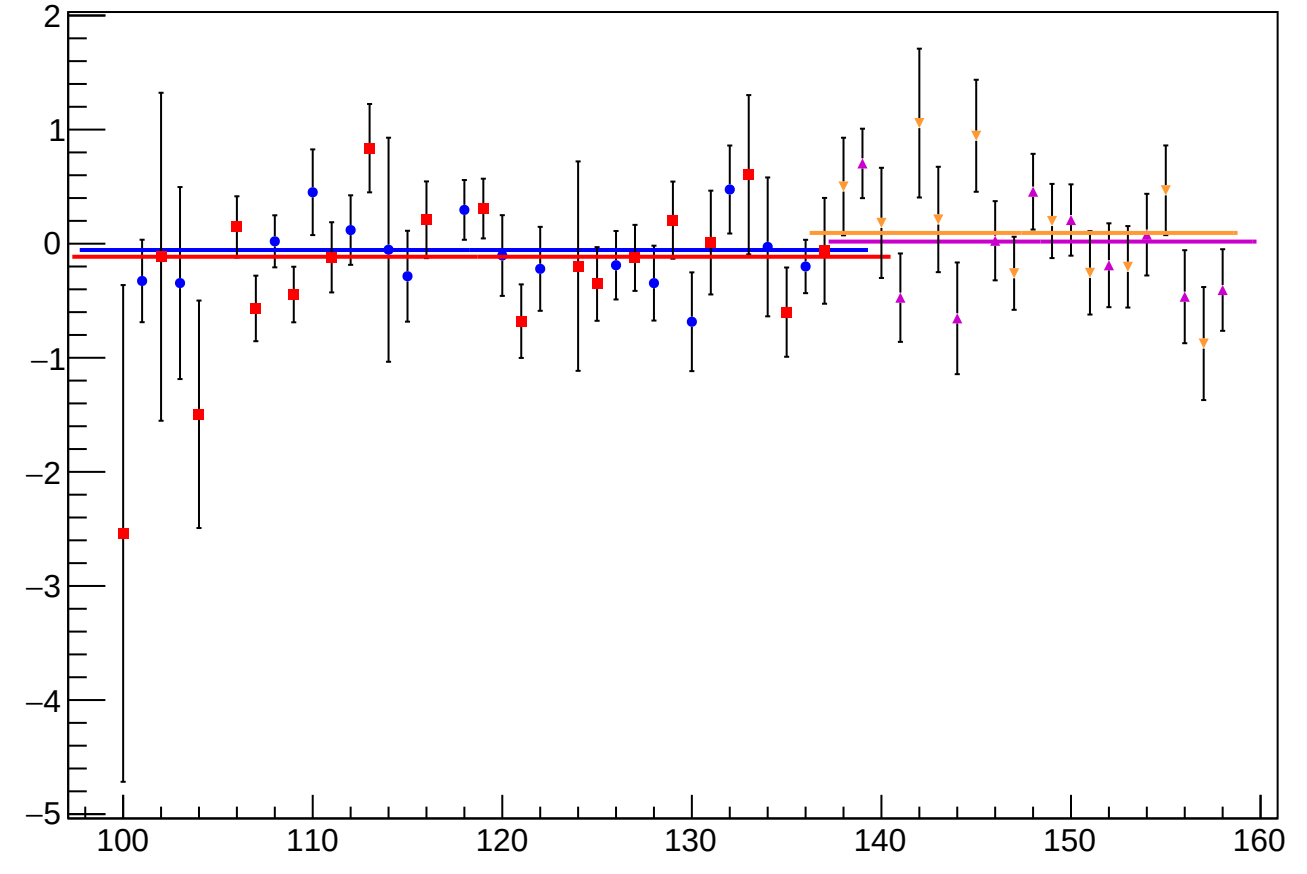
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 328.192+/-0.080 χ^2/NDF:287565.5/9

+ sign 260.823+/-0.050 χ^2/NDF: 3279405.1/26

All: 253.669+/-0.034 χ^2/NDF: 7028512.2/55

- sign 247.150+/-0.047 χ^2/NDF: 3709405.8/28



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.094+/-0.123 χ^2/NDF:13.9/10

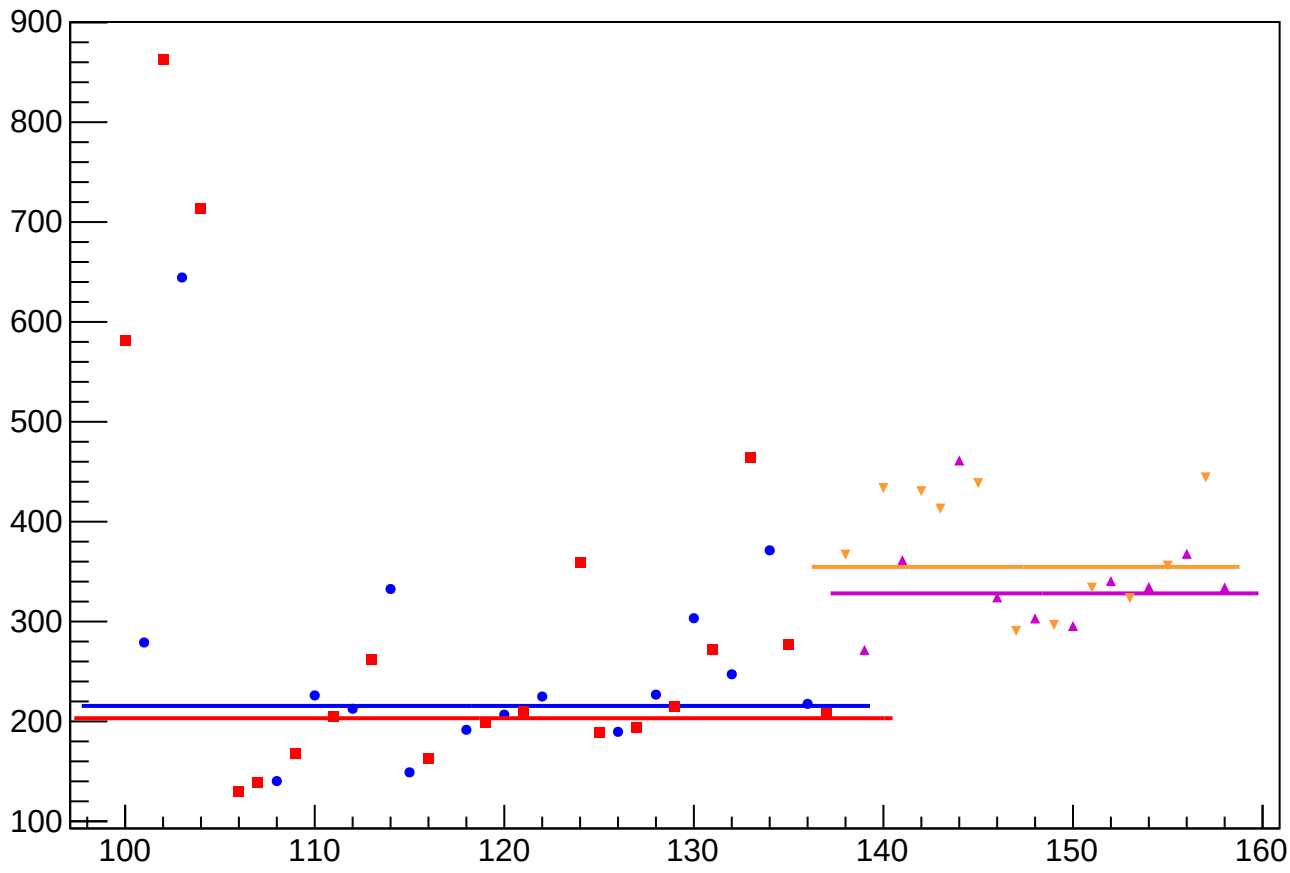
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.018+/-0.113 χ^2/NDF:13.8/9

+ sign -0.007+/-0.070 χ^2/NDF: 25.5/26

All: -0.039+/-0.048 χ^2/NDF: 65.9/55

- sign -0.068+/-0.067 χ^2/NDF: 40.0/28



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 354.732+/-0.087 χ^2/NDF:403910.1/10

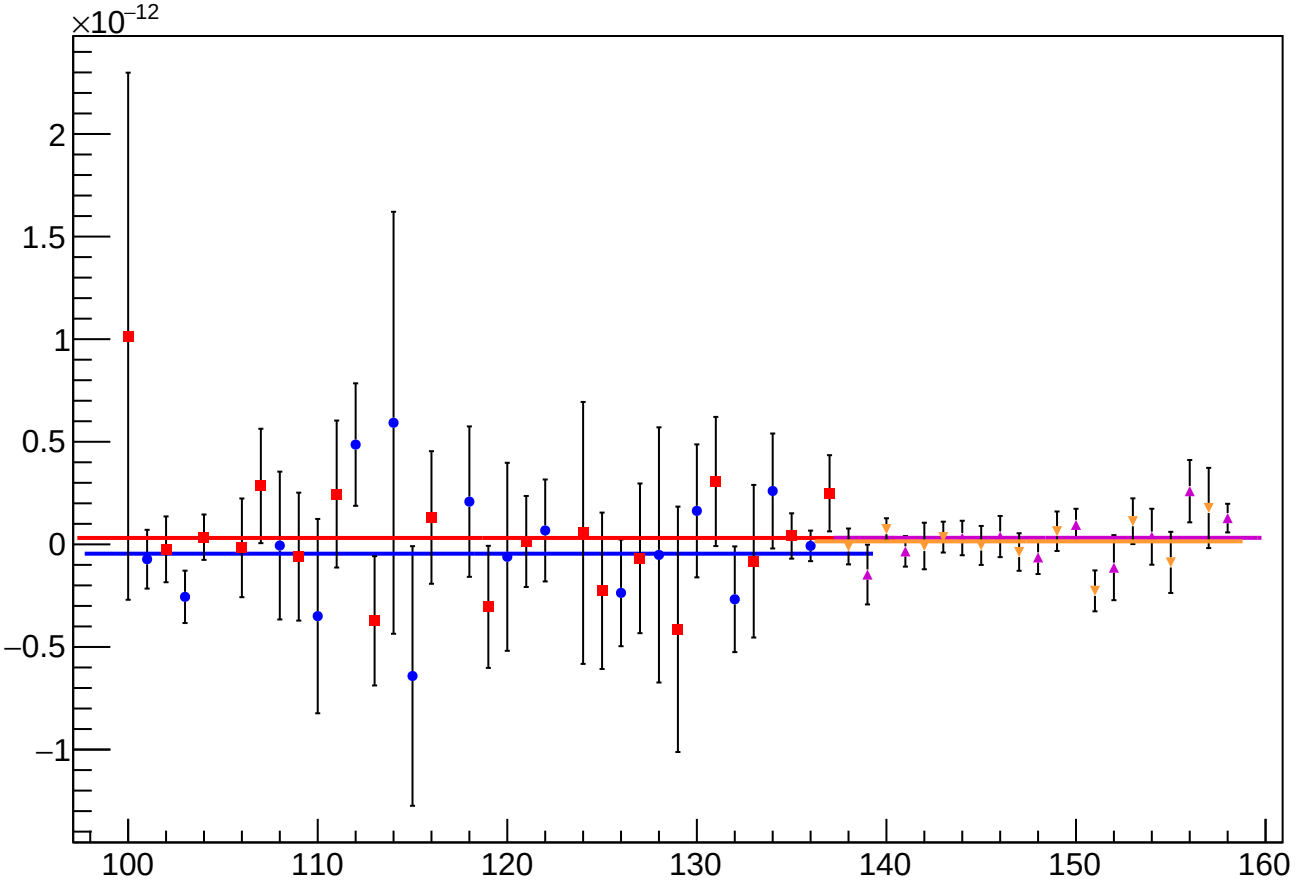
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 328.192+/-0.080 χ^2/NDF:287565.5/9

+ sign 260.823+/-0.050 χ^2/NDF: 3279405.1/26

All: 253.669+/-0.034 χ^2/NDF: 7028512.2/55

- sign 247.150+/-0.047 χ^2/NDF: 3709405.8/28



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.9/10

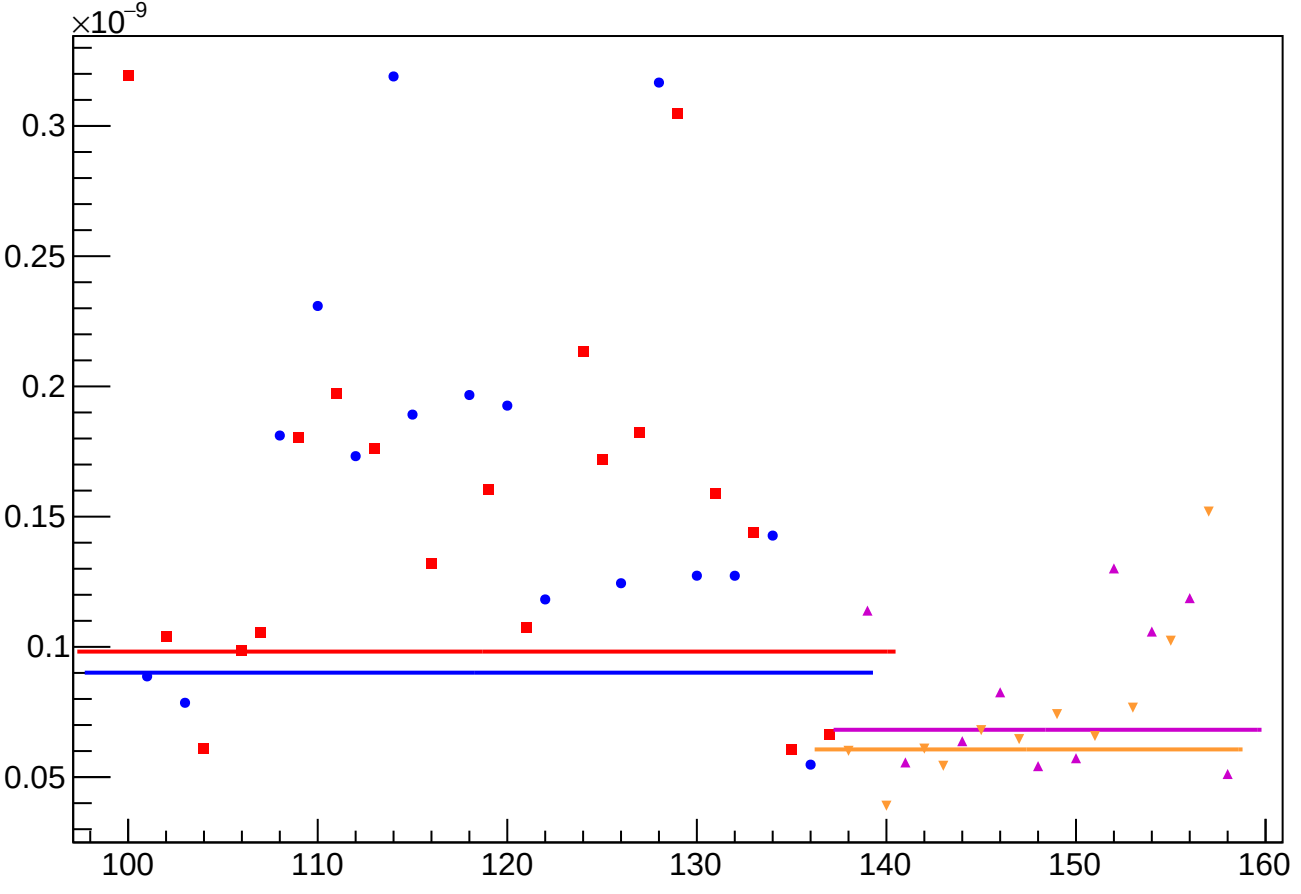
Right Out: 0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: 0.000+/-0.000 χ^2/NDF:9.3/9

+ sign 0.000+/-0.000 χ^2/NDF: 22.4/26

All: 0.000+/-0.000 χ^2/NDF: 40.9/55

- sign 0.000+/-0.000 χ^2/NDF: 17.7/28



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1040993.8/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

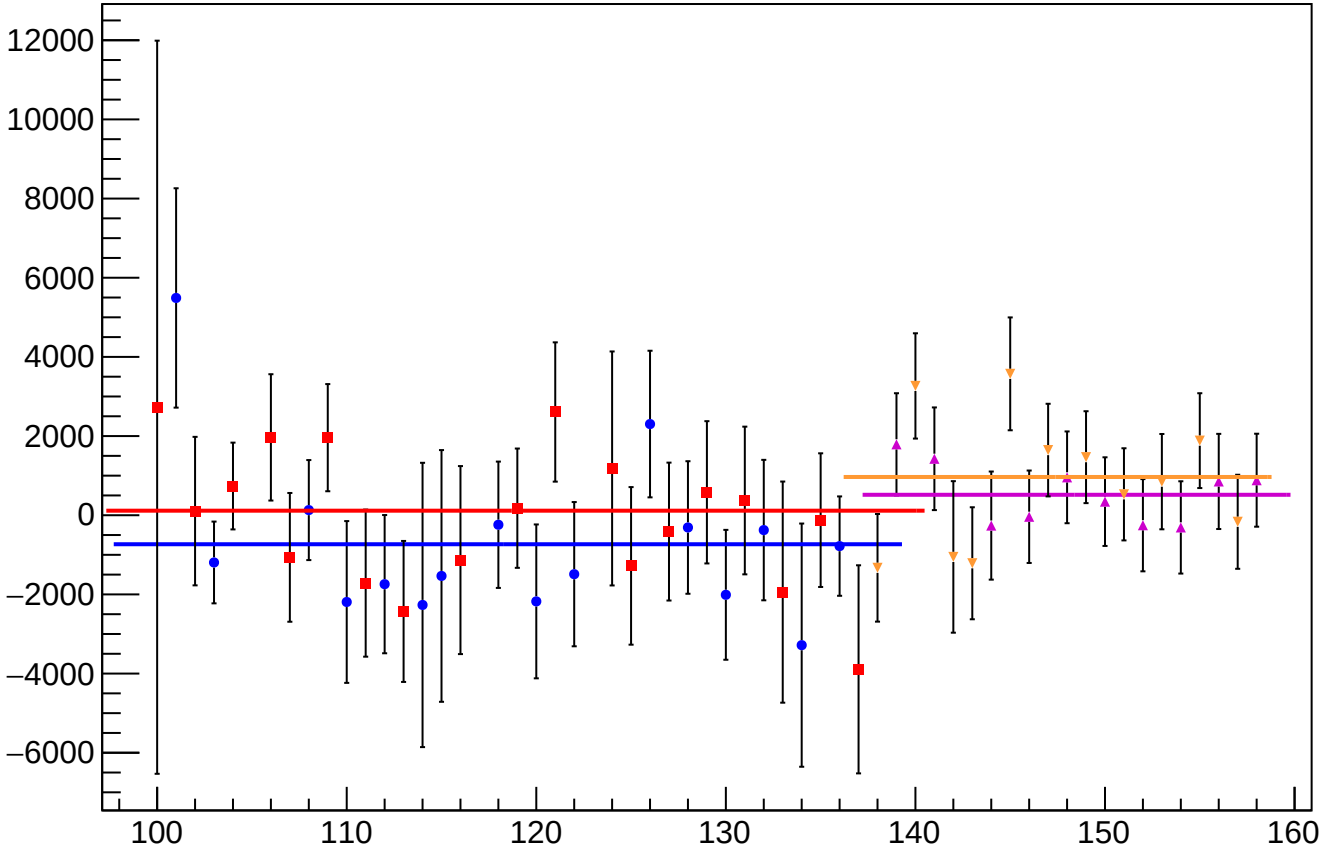
Left In: 0.000+/-0.000 χ^2/NDF:1196918.2/9

+ sign 0.000+/-0.000 χ^2/NDF: 3383626.1/26

All: 0.000+/-0.000 χ^2/NDF: 6881886.1/55

- sign 0.000+/-0.000 χ^2/NDF: 3392123.5/28

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -732.747+/-427.384 χ^2/NDF: 11.7/15

Left Out: 966.560+/-386.997 χ^2/NDF:14.8/10

Right Out: 115.040+/-411.437 χ^2/NDF: 13.1/18

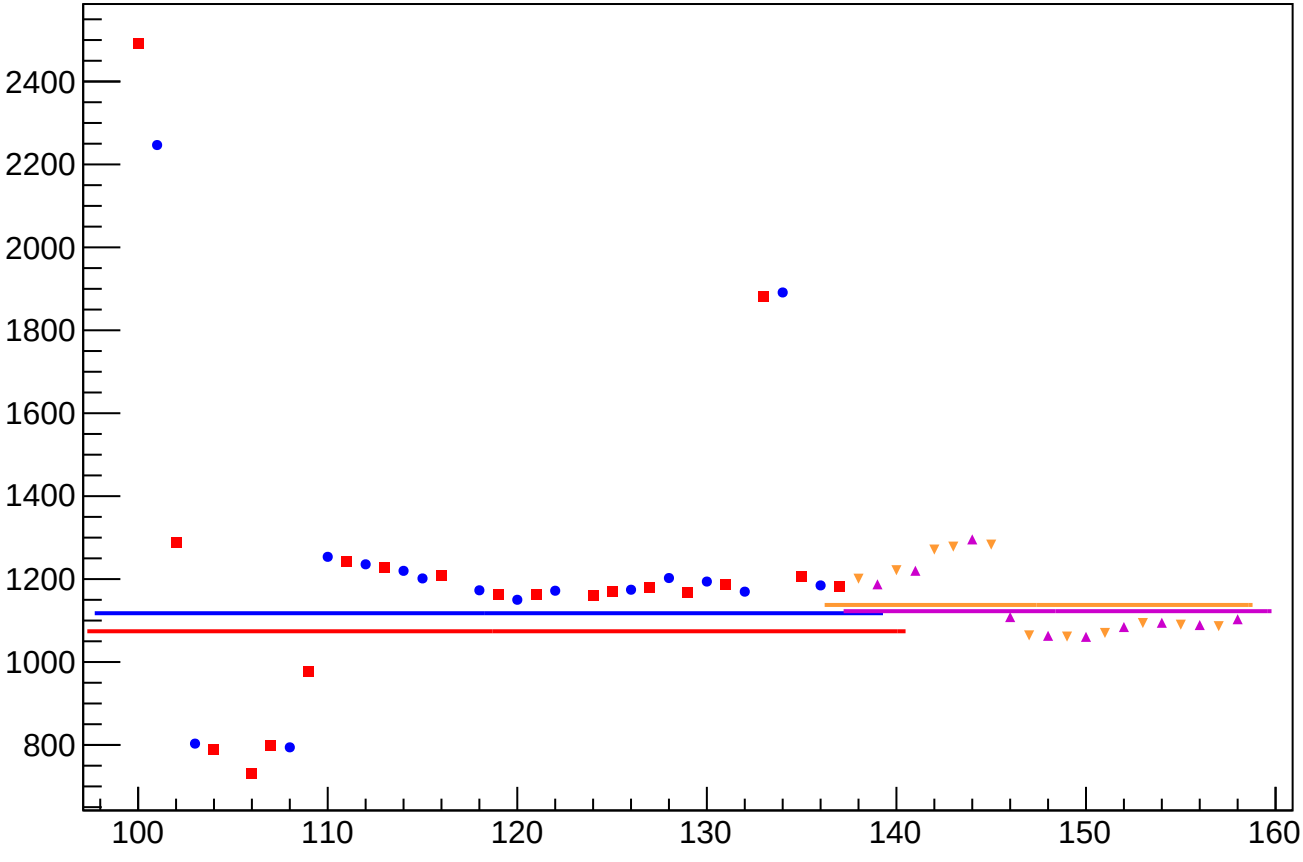
Left In: 516.596+/-380.796 χ^2/NDF:3.3/9

+ sign 200.972+/-286.867 χ^2/NDF: 35.2/26

All: 267.852+/-200.179 χ^2/NDF: 52.3/55

- sign 331.326+/-279.469 χ^2/NDF: 16.9/28

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1137.649+/-0.274 χ^2/NDF:95331.2/10

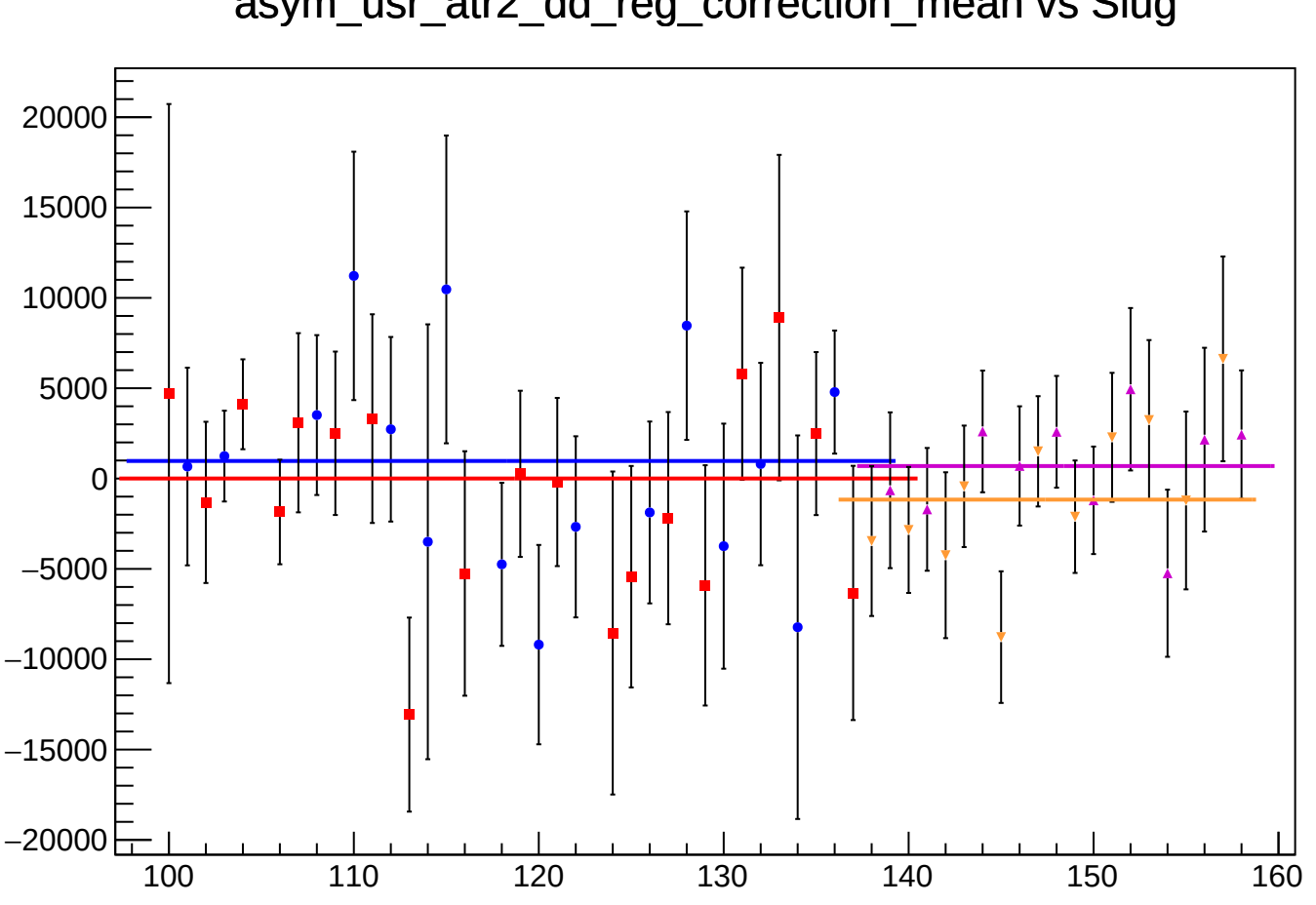
Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1122.613+/-0.269 χ^2/NDF:65524.6/9

+ sign 1128.654+/-0.203 χ^2/NDF: 917564.5/26

All: 1113.924+/-0.141 χ^2/NDF: 1657917.9/55

- sign 1100.052+/-0.197 χ^2/NDF: 730114.2/28



Right In: 973.755+/-1232.754 χ^2/NDF: 13.8/15

Left Out: -1165.810+/-1143.975 χ^2/NDF:10.1/10

Right Out: 2.885+/-1113.897 χ^2/NDF: 16.6/18

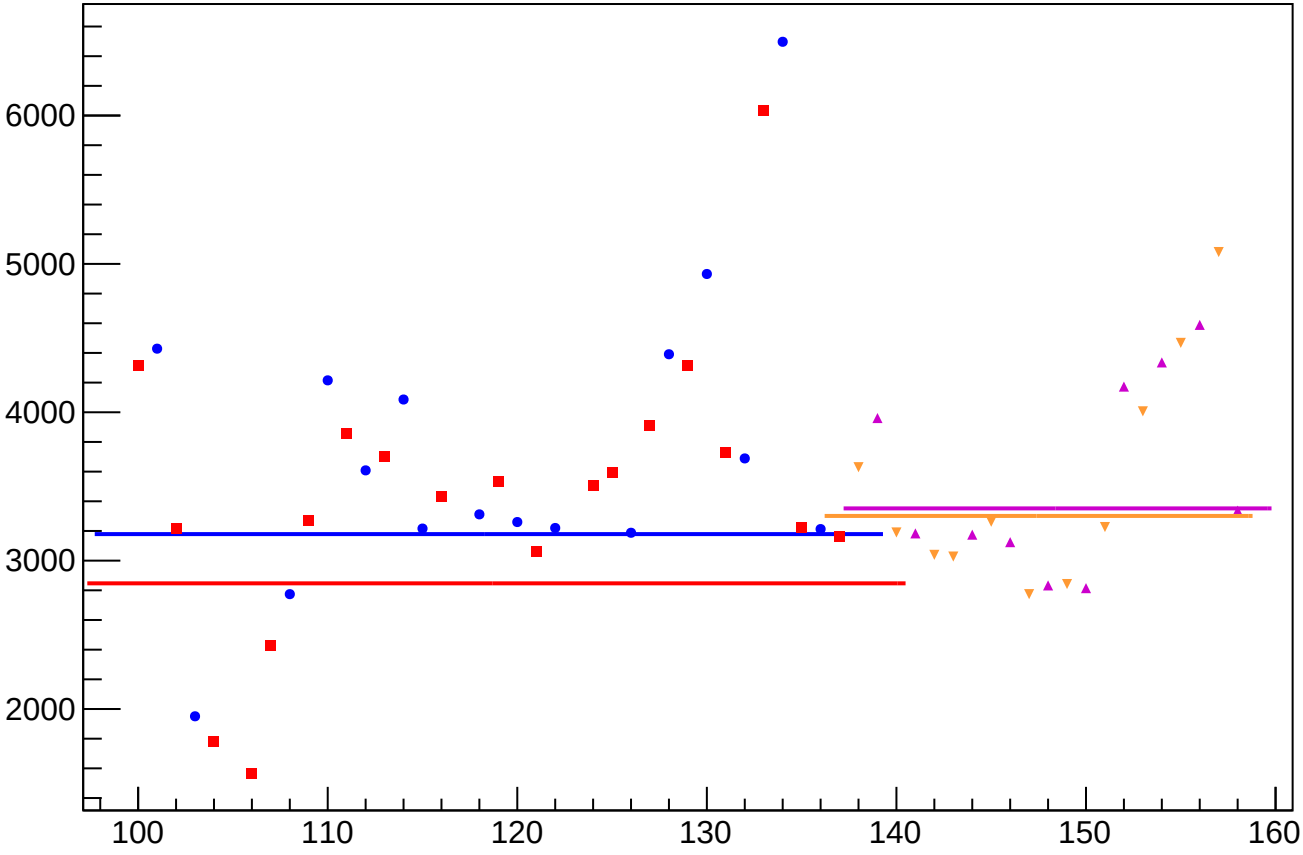
Left In: 693.262+/-1153.248 χ^2/NDF:4.6/9

+ sign -175.835+/-838.543 χ^2/NDF: 25.5/26

All: 91.784+/-579.284 χ^2/NDF: 47.0/55

- sign 336.095+/-801.195 χ^2/NDF: 21.3/28

asym_usr_atr2_dd_reg_correction_rms vs Slug



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3301.301+/-0.809 χ^2/NDF:498873.6/10

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

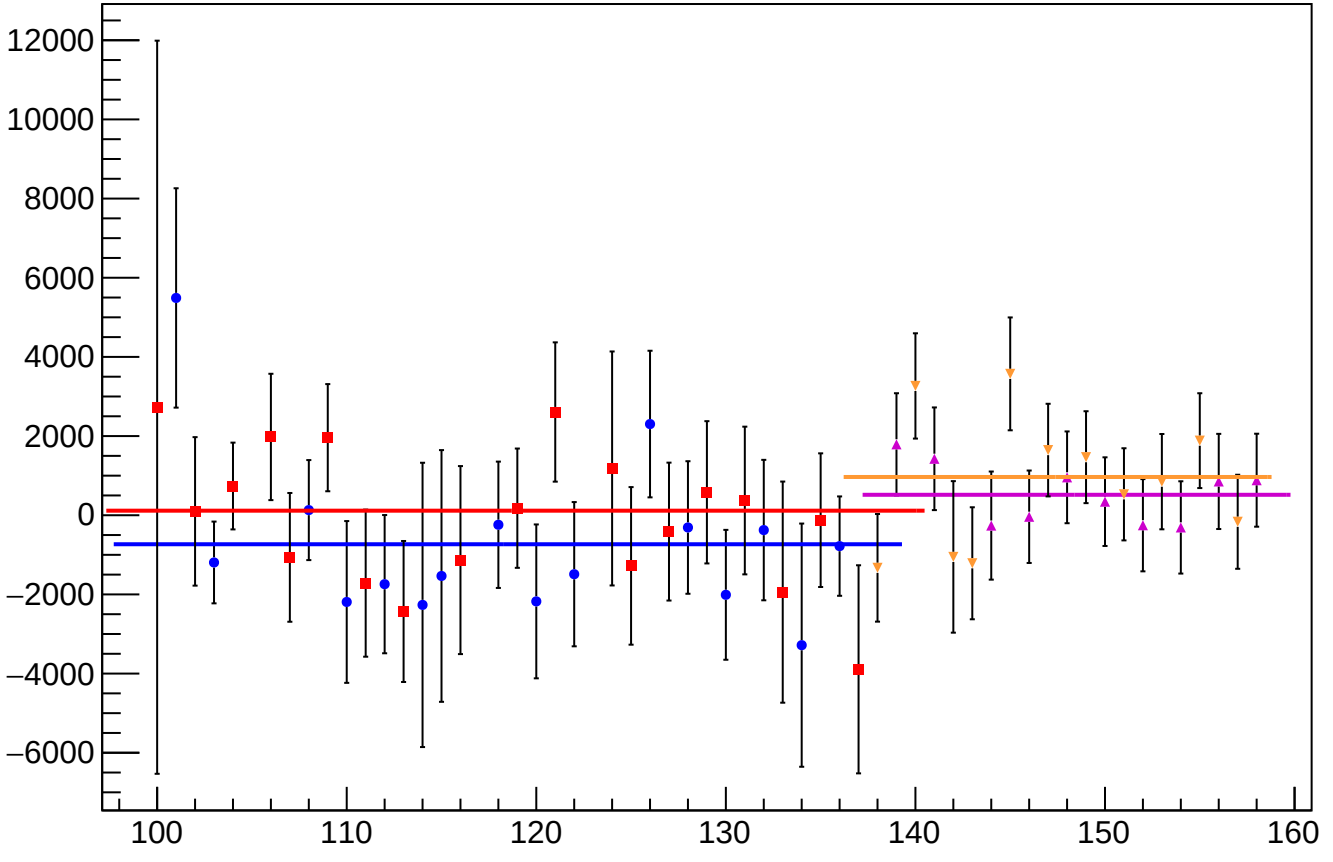
Left In: 3352.078+/-0.815 χ^2/NDF:457079.3/9

+ sign 3244.652+/-0.593 χ^2/NDF: 1601149.7/26

All: 3164.215+/-0.410 χ^2/NDF: 3803047.8/55

- sign 3090.783+/-0.567 χ^2/NDF: 2166694.4/28

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 966.607+/-386.997 χ^2/NDF:14.8/10

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

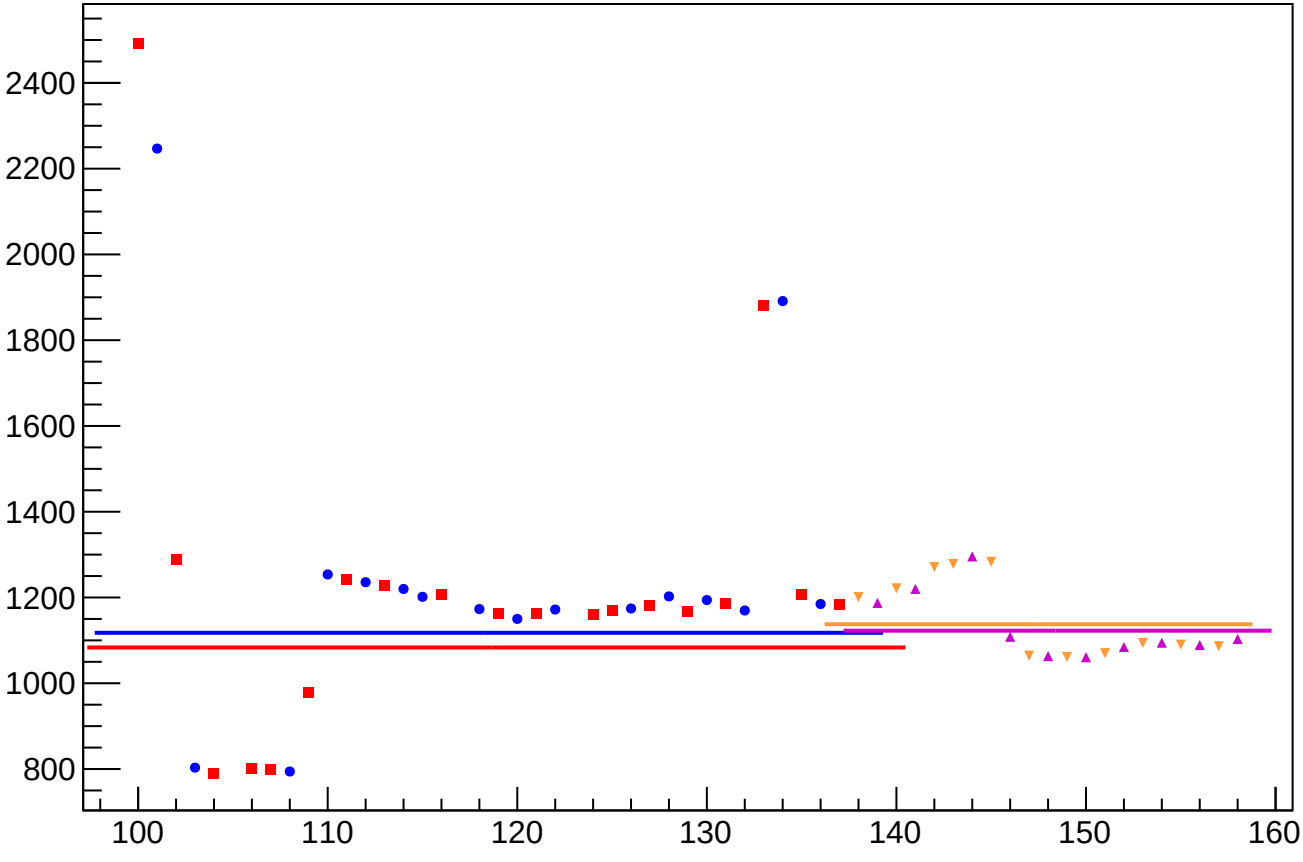
Left In: 516.641+/-380.796 χ^2/NDF:3.3/9

+ sign 201.028+/-286.867 χ^2/NDF: 35.2/26

All: 267.955+/-200.179 χ^2/NDF: 52.3/55

- sign 331.475+/-279.470 χ^2/NDF: 16.9/28

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1137.649+/-0.274 χ^2/NDF:95331.2/10

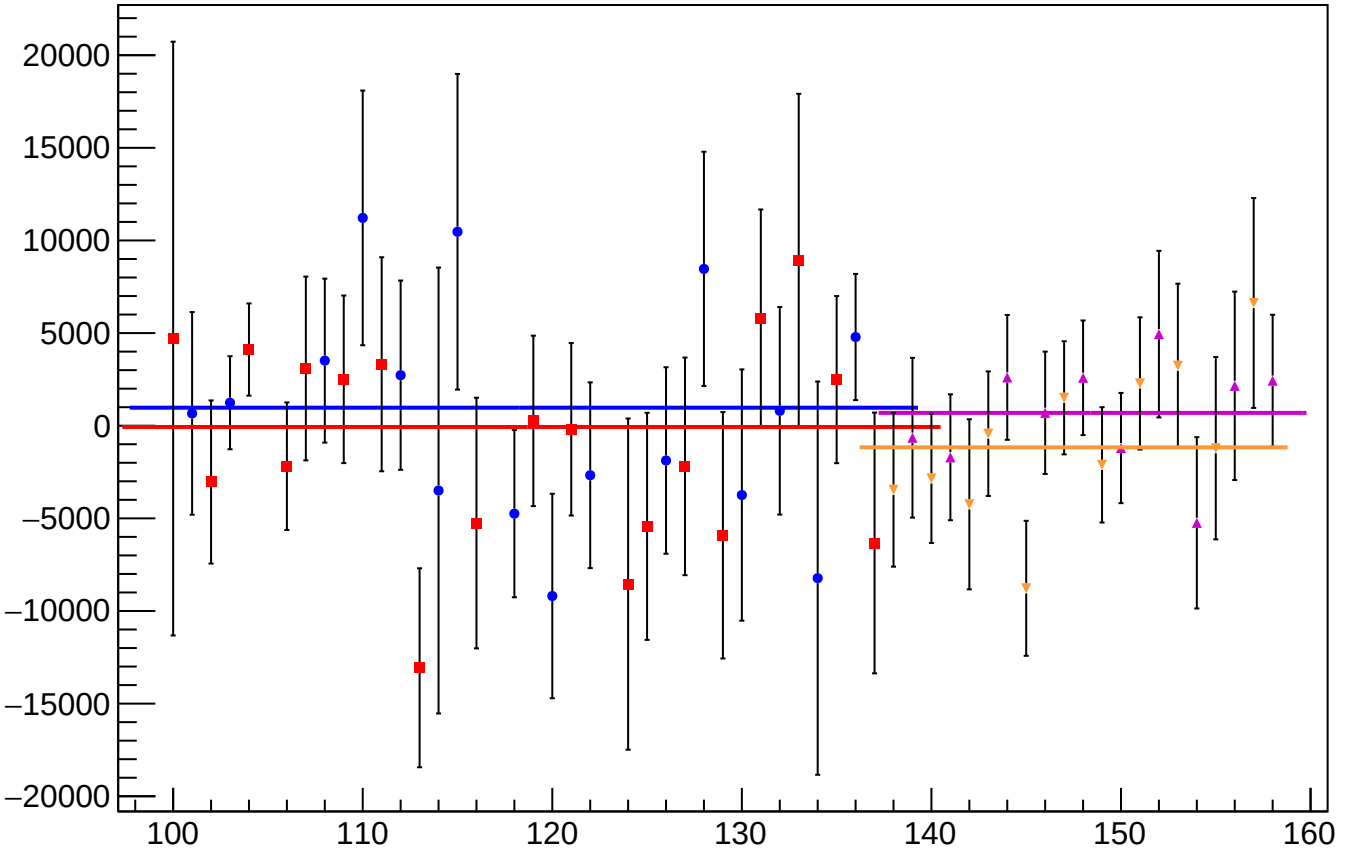
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1122.613+/-0.269 χ^2/NDF:65524.6/9

+ sign 1128.654+/-0.203 χ^2/NDF: 917561.0/26

All: 1116.247+/-0.141 χ^2/NDF: 1595182.1/55

- sign 1104.493+/-0.197 χ^2/NDF: 670336.0/28



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -1165.801+/-1143.973 χ^2/NDF:10.1/10

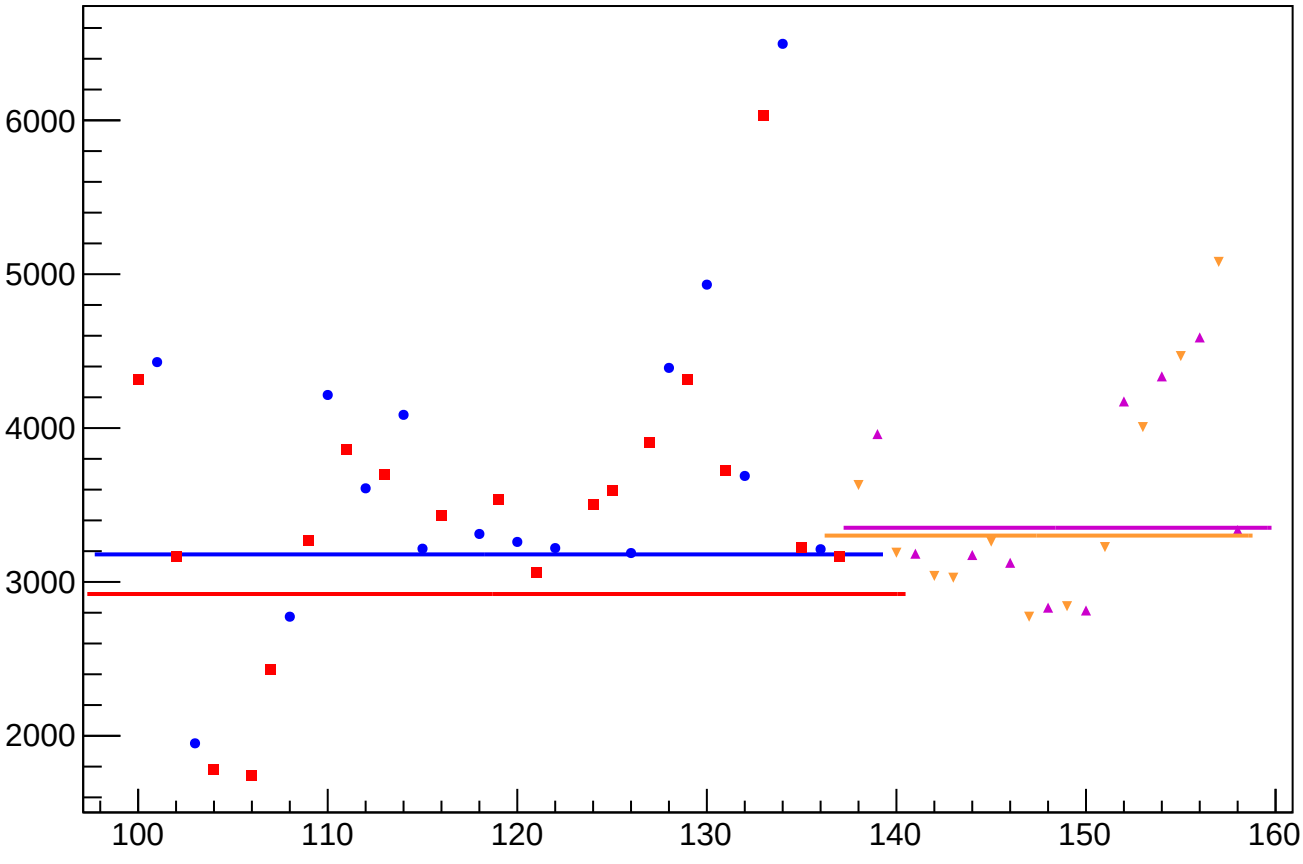
Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: 693.303+/-1153.248 χ^2/NDF:4.6/9

+ sign -176.106+/-838.558 χ^2/NDF: 25.5/26

All: 74.334+/-582.586 χ^2/NDF: 47.4/55

- sign 307.999+/-809.986 χ^2/NDF: 21.7/28



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3301.296+/-0.809 χ^2/NDF:498875.3/10

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

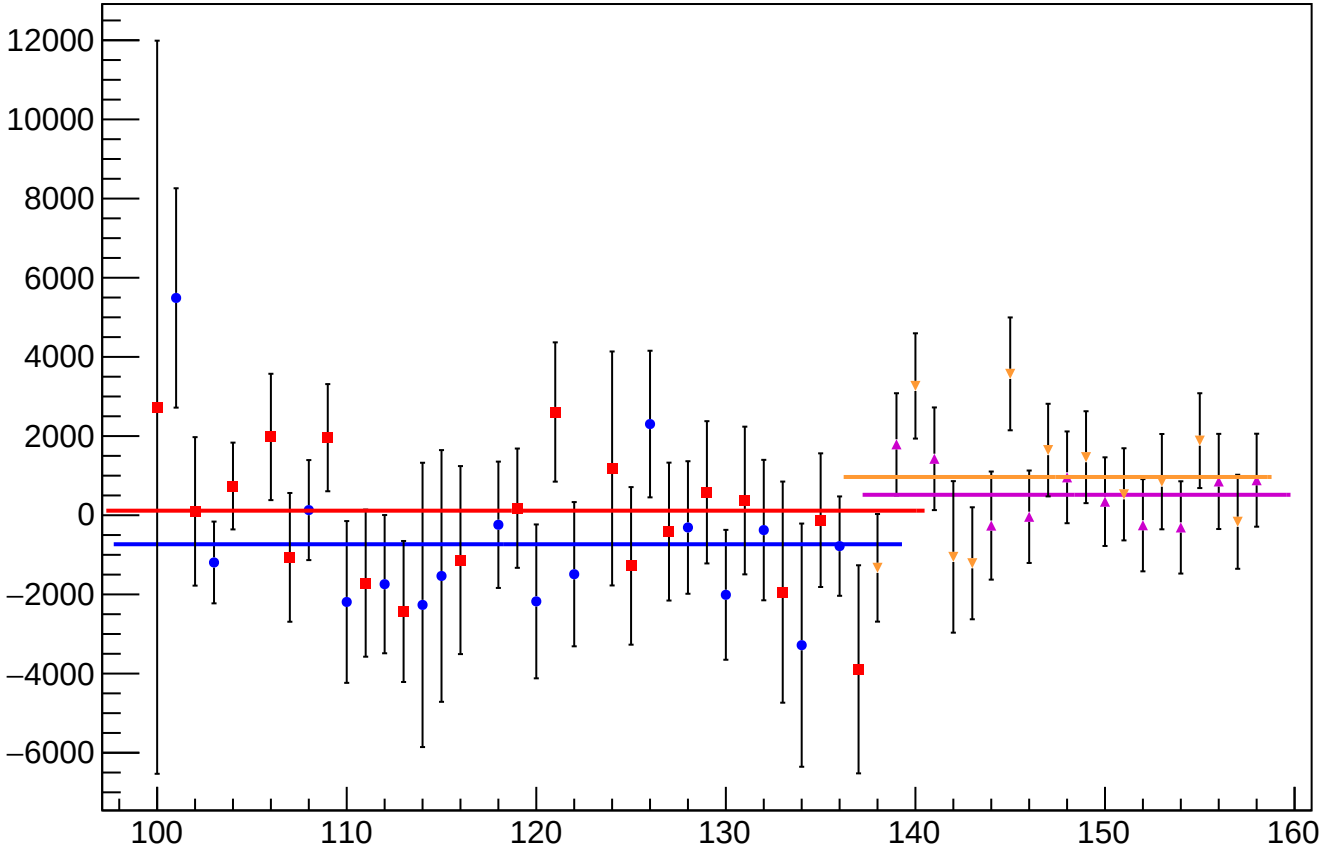
Left In: 3352.078+/-0.815 χ^2/NDF:457082.5/9

+ sign 3244.737+/-0.593 χ^2/NDF: 1600677.9/26

All: 3187.437+/-0.412 χ^2/NDF: 3529876.7/55

- sign 3133.975+/-0.573 χ^2/NDF: 1911147.2/28

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 966.607+/-386.997 χ^2/NDF:14.8/10

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

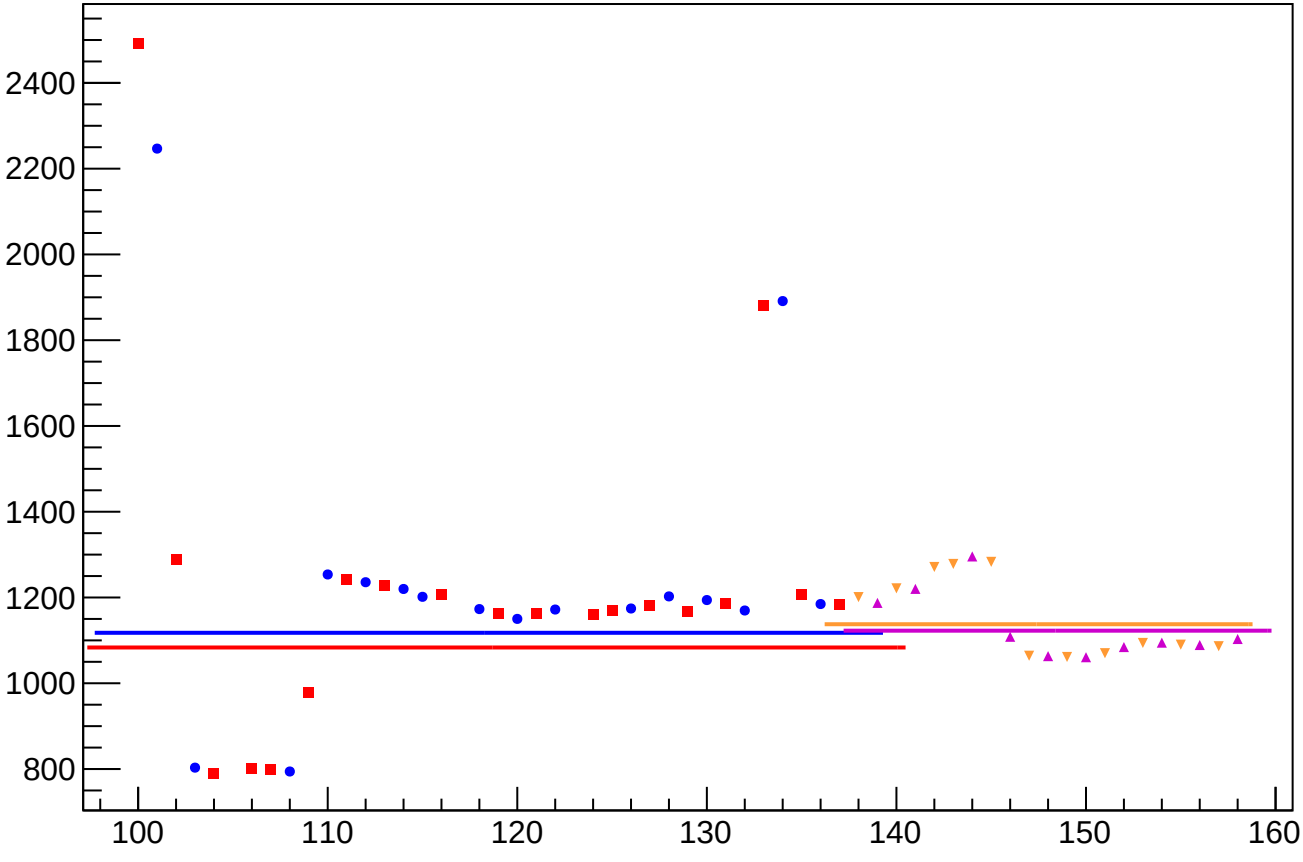
Left In: 516.641+/-380.796 χ^2/NDF:3.3/9

+ sign 201.028+/-286.867 χ^2/NDF: 35.2/26

All: 267.955+/-200.179 χ^2/NDF: 52.3/55

- sign 331.475+/-279.470 χ^2/NDF: 16.9/28

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1137.649+/-0.274 χ^2/NDF:95331.2/10

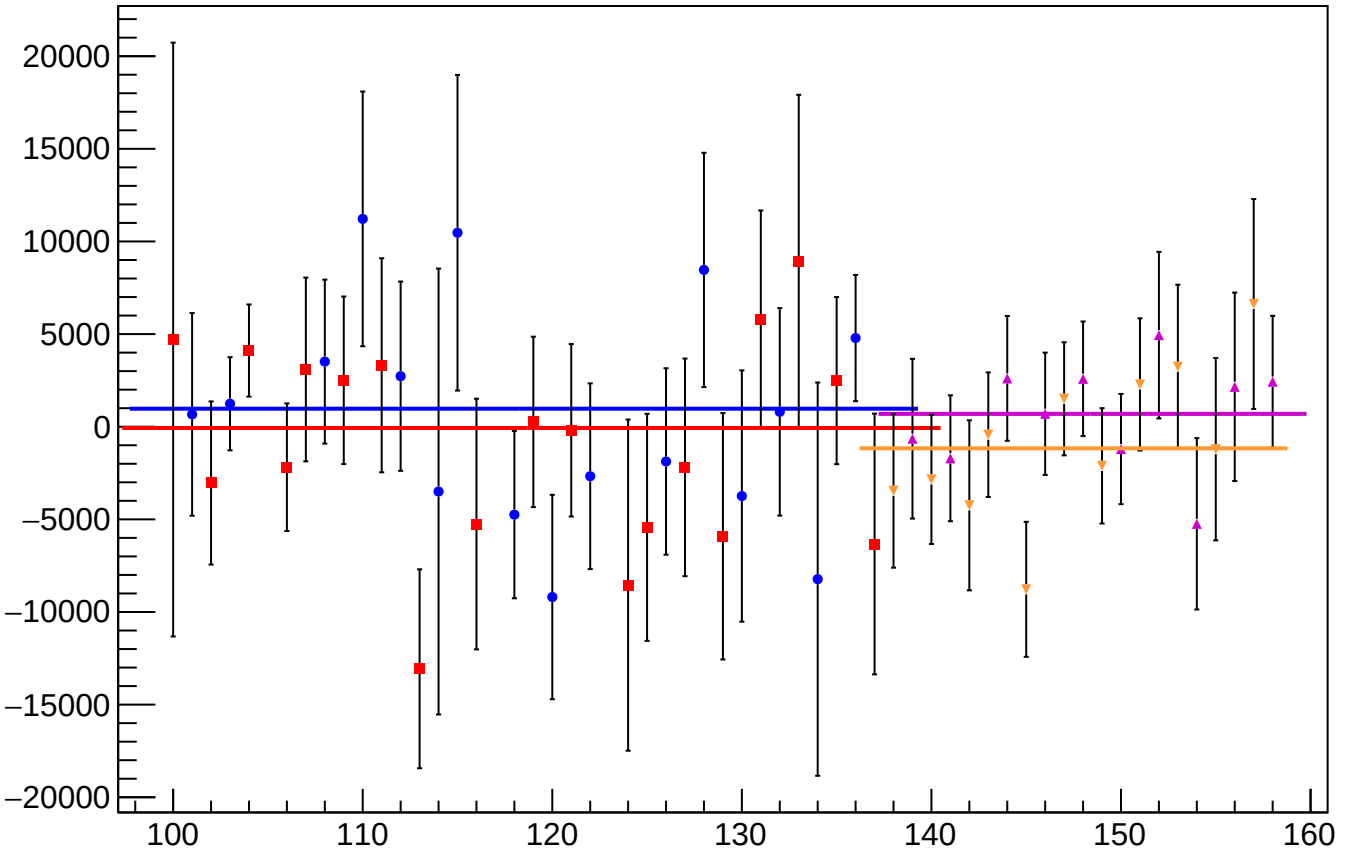
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1122.613+/-0.269 χ^2/NDF:65524.6/9

+ sign 1128.654+/-0.203 χ^2/NDF: 917561.0/26

All: 1116.247+/-0.141 χ^2/NDF: 1595182.1/55

- sign 1104.493+/-0.197 χ^2/NDF: 670336.0/28



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -1165.801+/-1143.973 χ^2/NDF:10.1/10

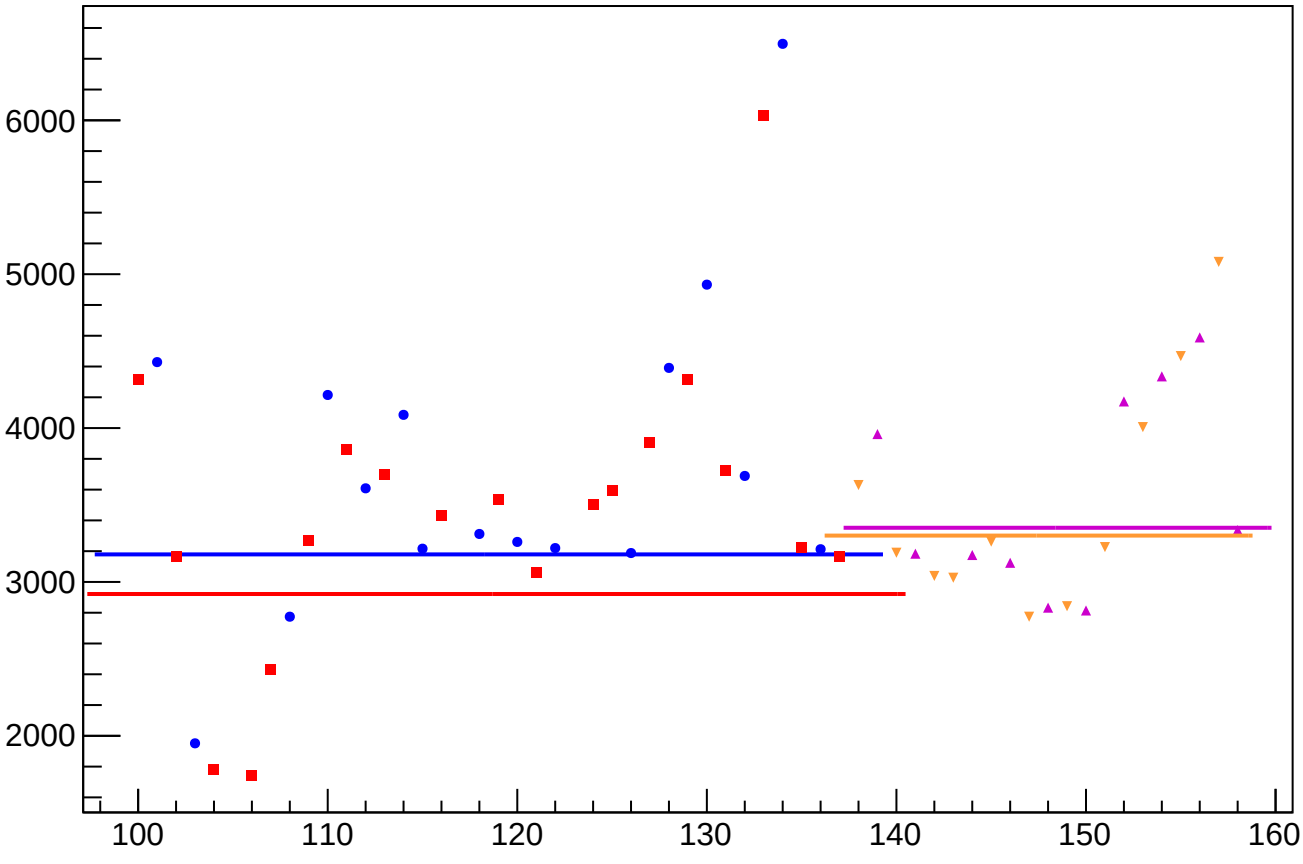
Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: 693.303+/-1153.248 χ^2/NDF:4.6/9

+ sign -176.106+/-838.558 χ^2/NDF: 25.5/26

All: 74.334+/-582.586 χ^2/NDF: 47.4/55

- sign 307.999+/-809.986 χ^2/NDF: 21.7/28



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3301.296+/-0.809 χ^2/NDF:498875.3/10

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

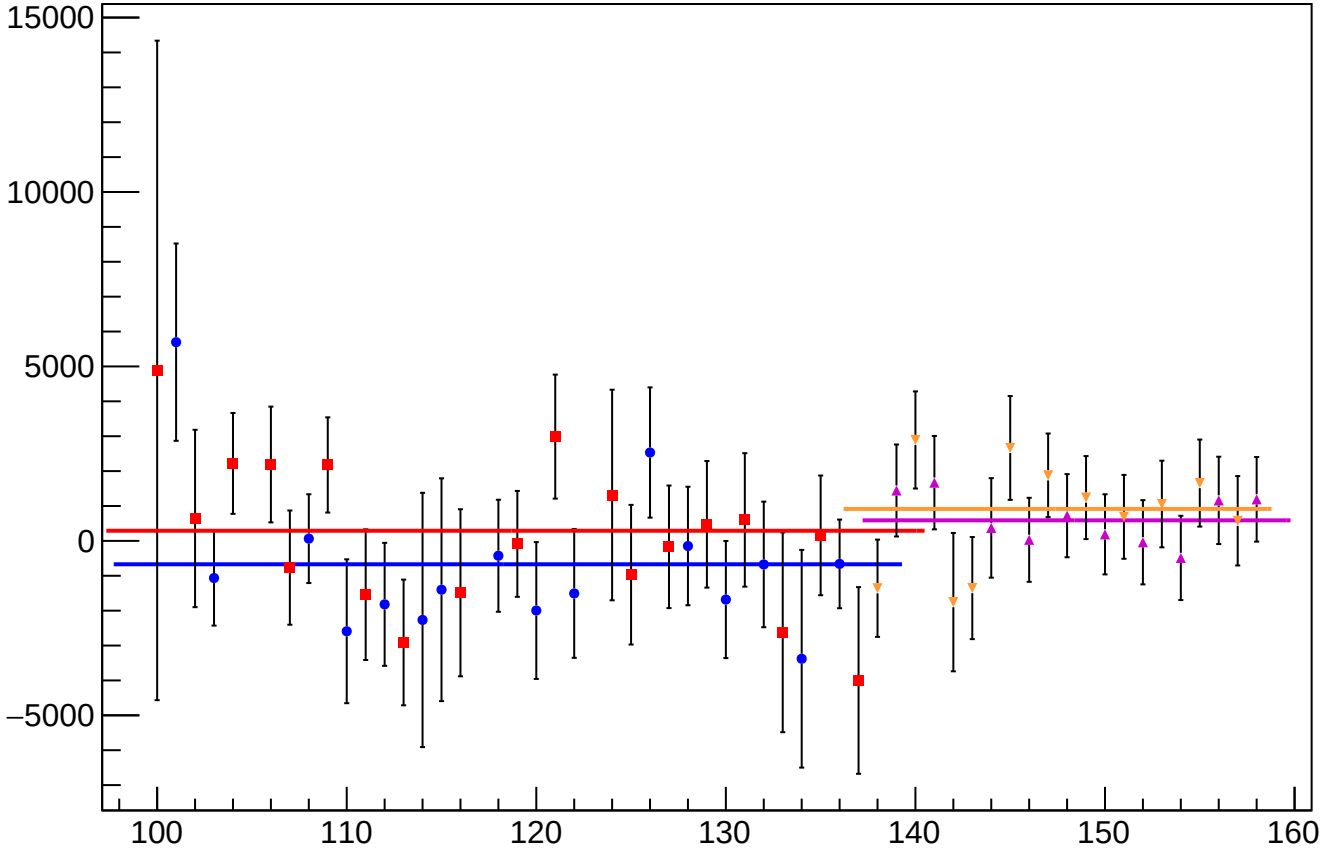
Left In: 3352.078+/-0.815 χ^2/NDF:457082.5/9

+ sign 3244.737+/-0.593 χ^2/NDF: 1600677.9/26

All: 3187.437+/-0.412 χ^2/NDF: 3529876.7/55

- sign 3133.975+/-0.573 χ^2/NDF: 1911147.2/28

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: 916.458+/-401.602 χ^2/NDF:11.5/10

Right Out: 290.311+/-434.425 χ^2/NDF: 16.9/18

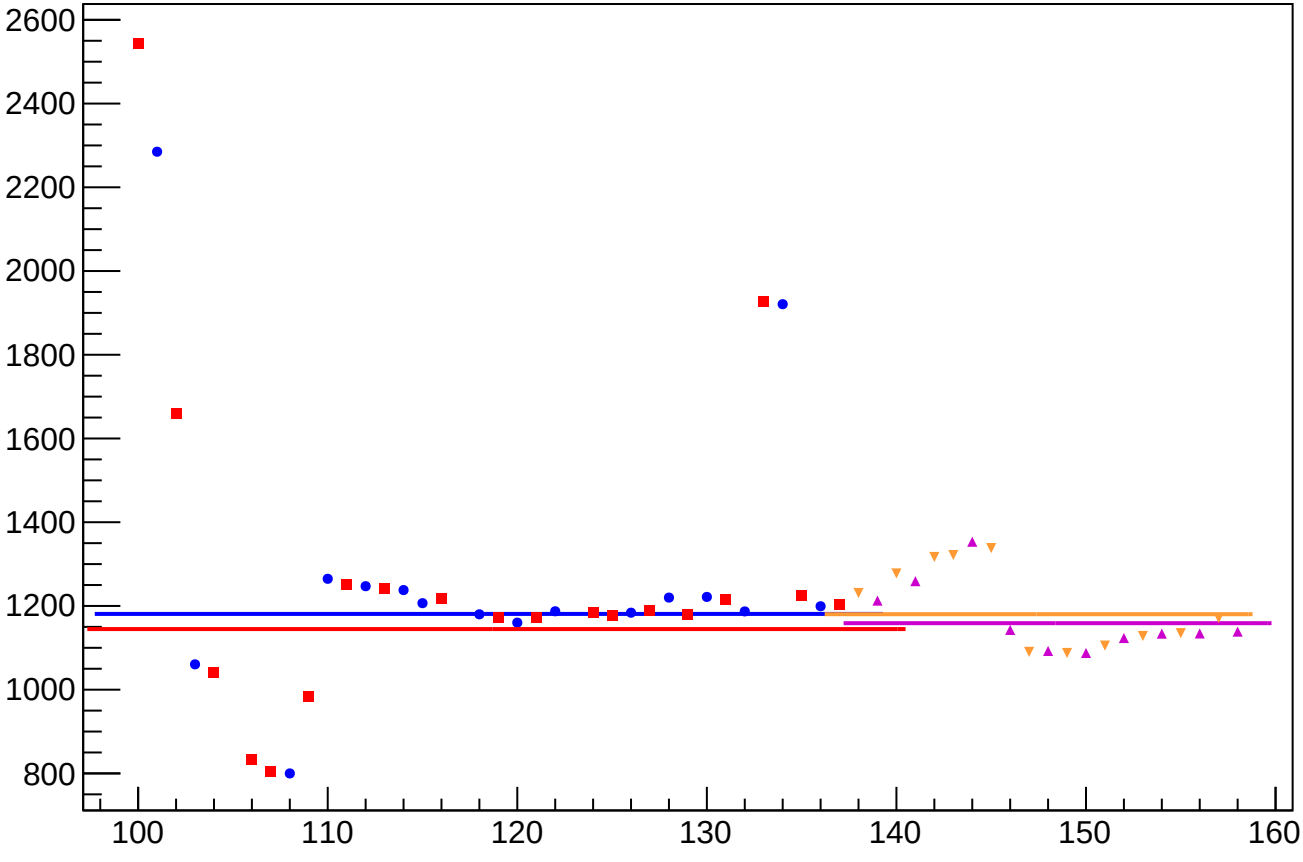
Left In: 588.495+/-393.159 χ^2/NDF:3.0/9

\+ sign 210.120+/-299.187 χ^2/NDF: 30.3/26

All: 335.351+/-208.788 χ^2/NDF: 50.8/55

\- sign 454.235+/-291.505 χ^2/NDF: 20.2/28

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1180.300+/-0.284 χ^2/NDF:100577.6/10

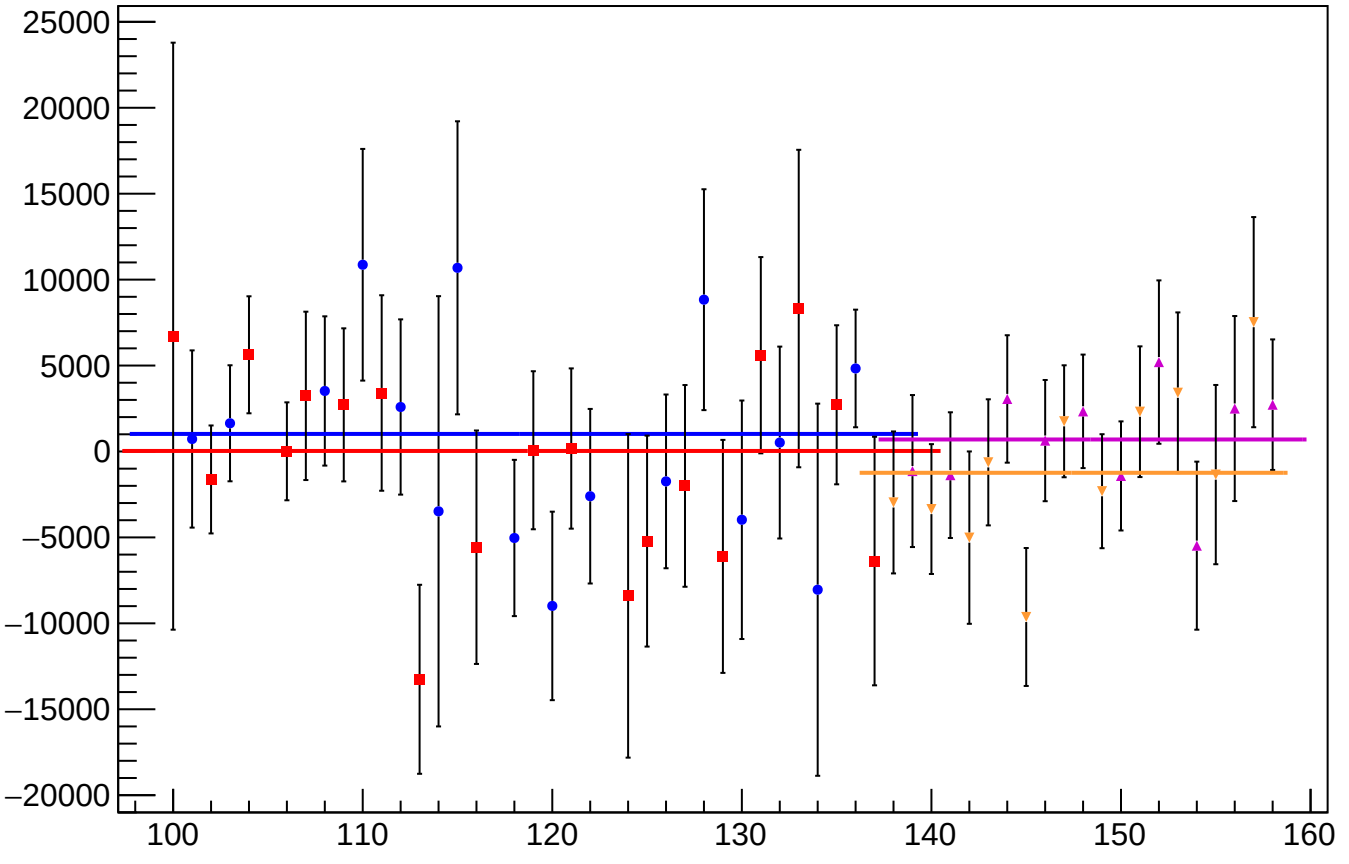
Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

Left In: 1158.855+/-0.278 χ^2/NDF:69938.9/9

+ sign 1180.592+/-0.212 χ^2/NDF: 722458.6/26

All: 1166.184+/-0.148 χ^2/NDF: 1300322.0/55

- sign 1152.513+/-0.206 χ^2/NDF: 568824.9/28



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -1240.529+/-1223.136 χ^2/NDF:10.3/10

Right Out: 30.135+/-1130.743 χ^2/NDF: 16.1/18

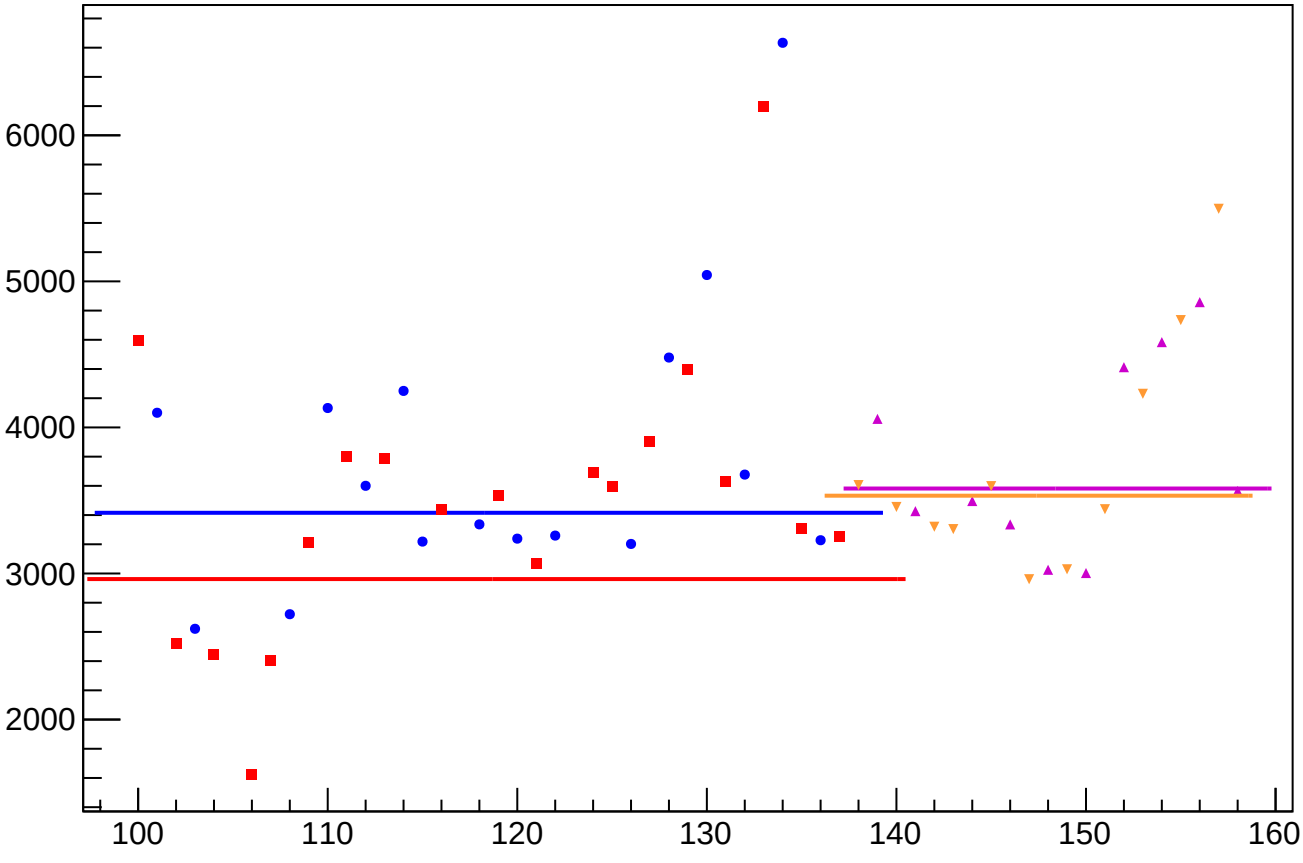
Left In: 698.277+/-1231.036 χ^2/NDF:4.5/9

+ sign -180.677+/-891.603 χ^2/NDF: 25.8/26

All: 95.211+/-608.590 χ^2/NDF: 46.8/55

- sign 335.884+/-832.759 χ^2/NDF: 20.8/28

asym_usr_atr2_dd_dit_correction_rms vs Slug



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3532.662+/-0.865 χ^2/NDF:479577.0/10

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

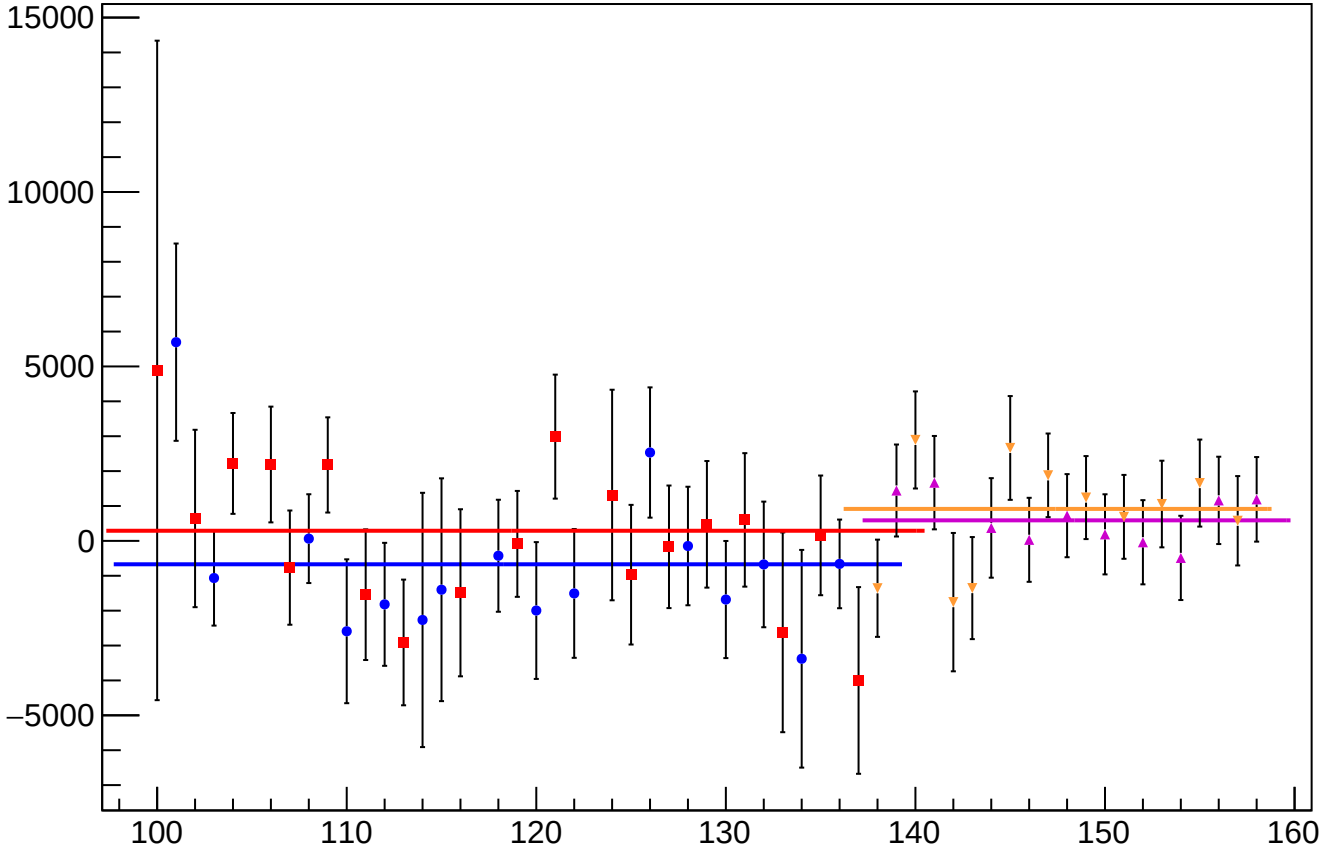
Left In: 3581.721+/-0.870 χ^2/NDF:418301.8/9

+ sign 3477.800+/-0.630 χ^2/NDF: 1080506.9/26

All: 3353.722+/-0.430 χ^2/NDF: 3015677.0/55

- sign 3245.482+/-0.589 χ^2/NDF: 1862648.9/28

eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: 916.462+/-401.602 χ^2/NDF:11.5/10

Right Out: 290.316+/-434.425 χ^2/NDF: 16.9/18

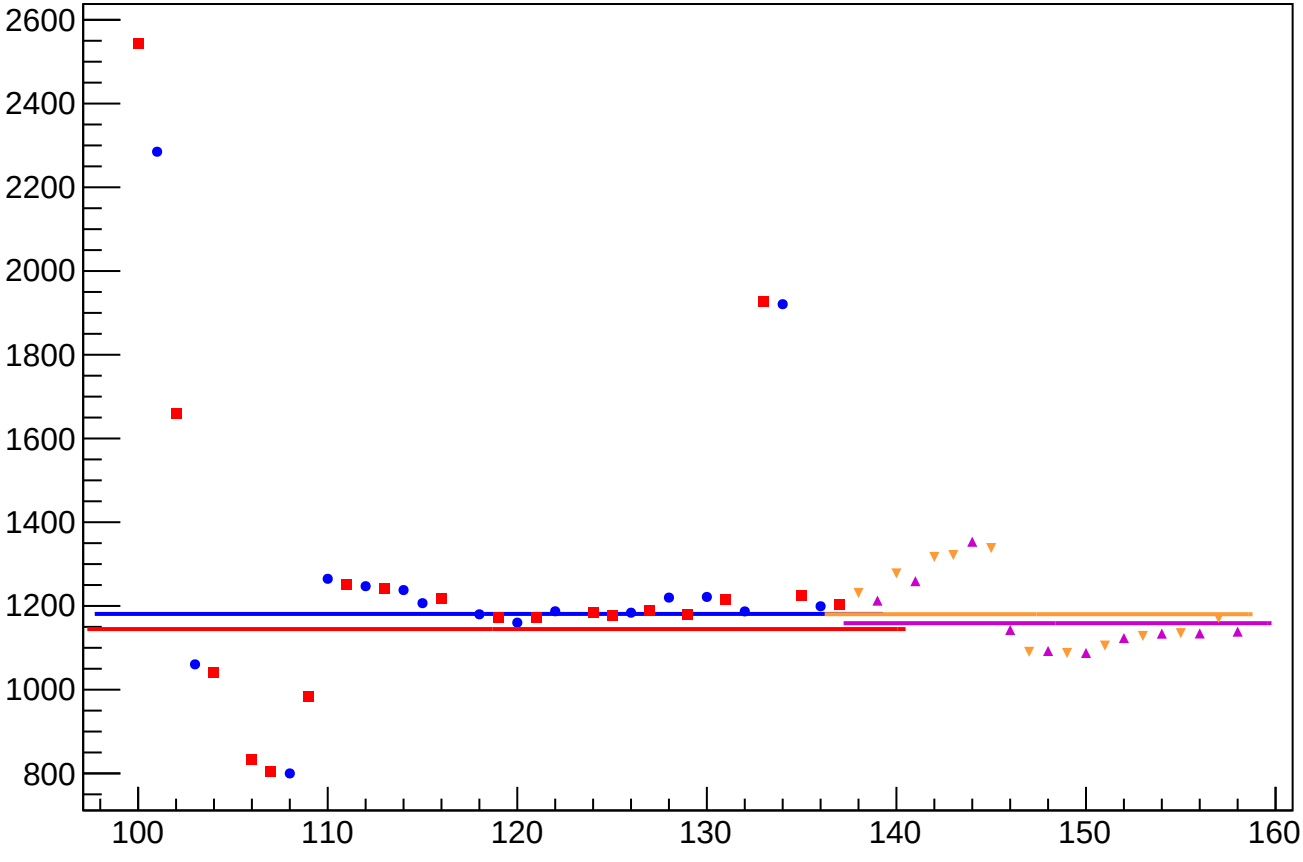
Left In: 588.493+/-393.159 χ^2/NDF:3.0/9

\+ sign 210.120+/-299.187 χ^2/NDF: 30.3/26

All: 335.352+/-208.788 χ^2/NDF: 50.8/55

\- sign 454.236+/-291.505 χ^2/NDF: 20.2/28

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1180.301+/-0.284 χ^2/NDF:100577.8/10

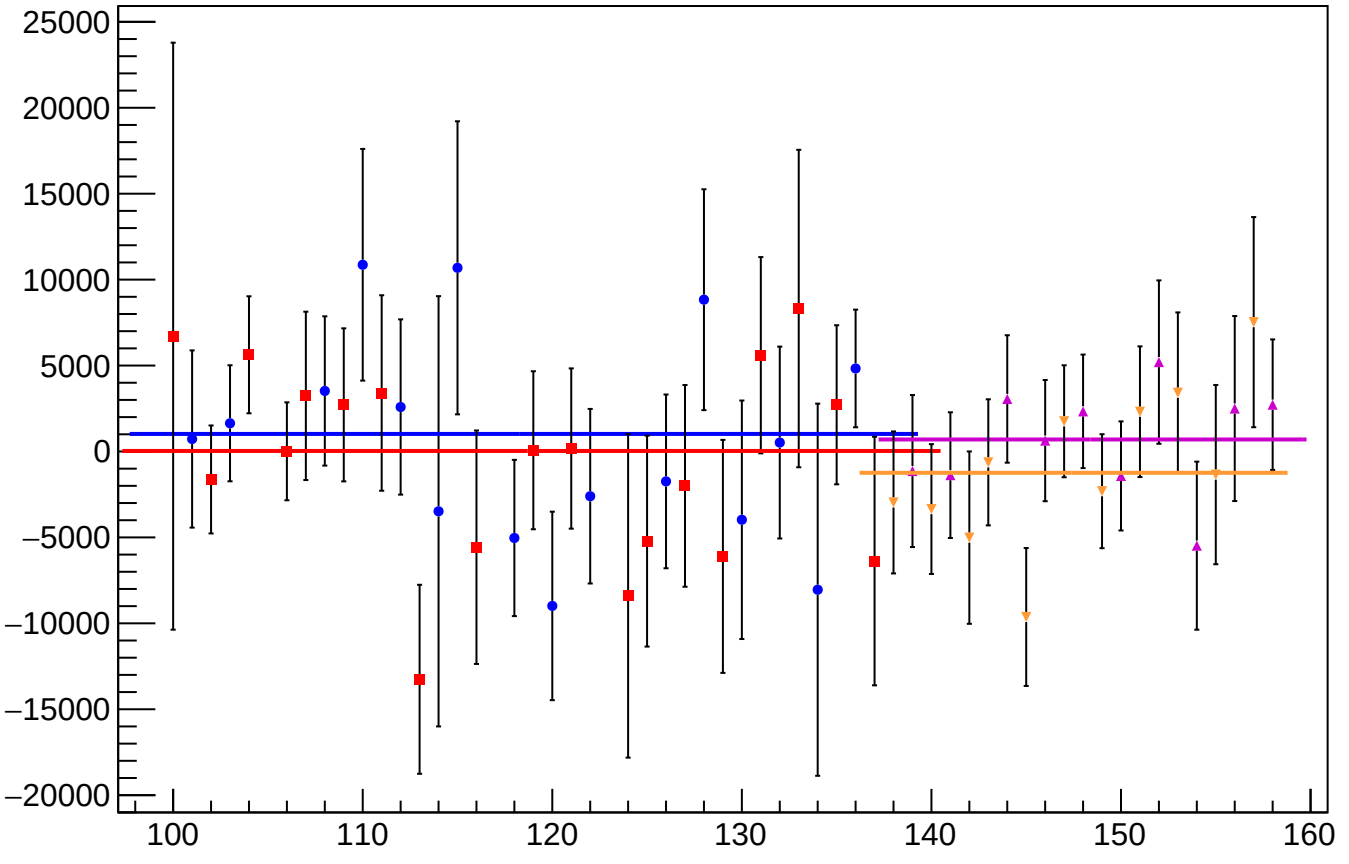
Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1158.856+/-0.278 χ^2/NDF:69938.5/9

+ sign 1180.592+/-0.212 χ^2/NDF: 722459.1/26

All: 1166.185+/-0.148 χ^2/NDF: 1300321.7/55

- sign 1152.513+/-0.206 χ^2/NDF: 568824.2/28



Right In: 1021.029+/-1302.430 χ^2/NDF: 13.9/15

Left Out: -1240.526+/-1223.137 χ^2/NDF:10.3/10

Right Out: 30.142+/-1130.741 χ^2/NDF: 16.1/18

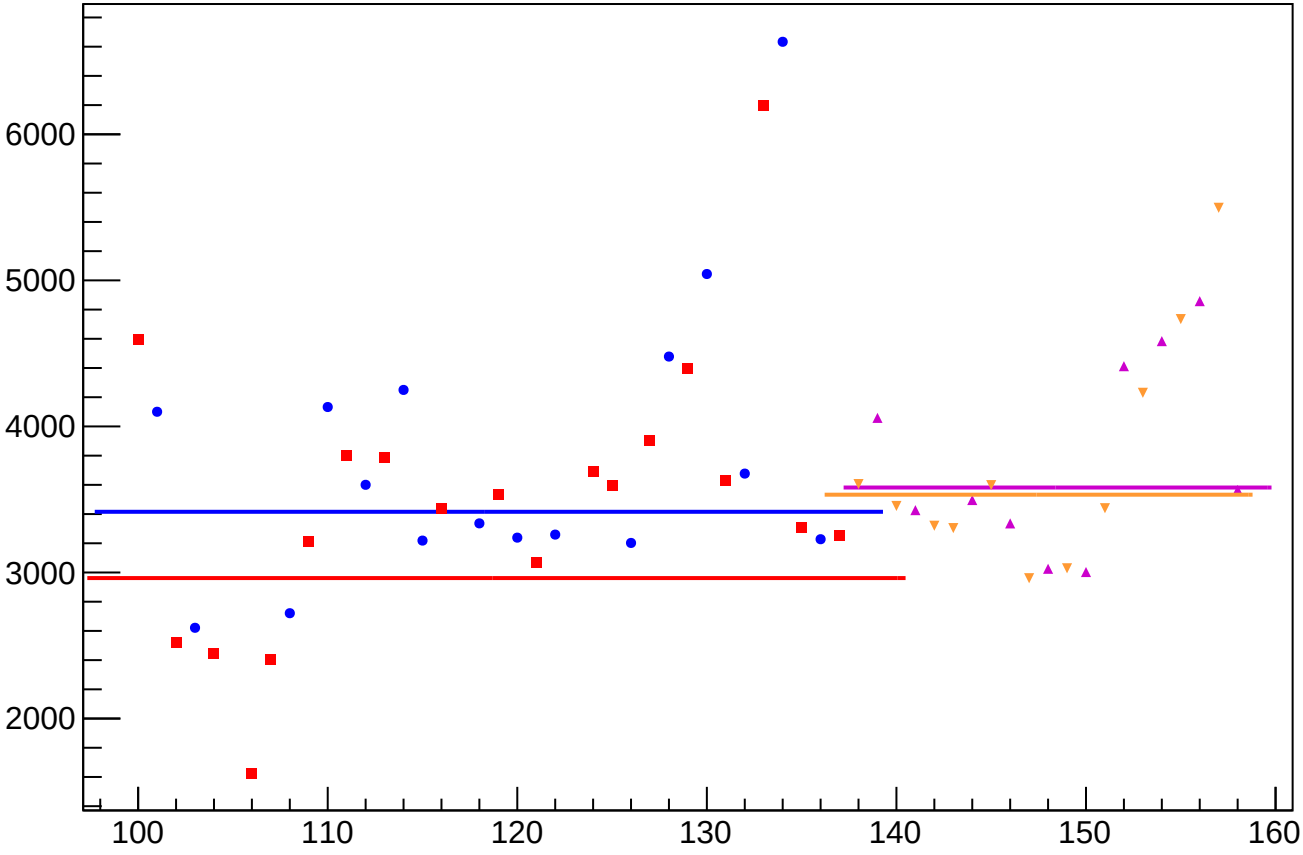
Left In: 698.274+/-1231.037 χ^2/NDF:4.5/9

+ sign -180.682+/-891.603 χ^2/NDF: 25.8/26

All: 95.210+/-608.590 χ^2/NDF: 46.8/55

- sign 335.885+/-832.758 χ^2/NDF: 20.8/28

asym_usr_atr2_dd_eigen_dit_correction_rms vs Slug



Right In: 3415.591+/-0.921 χ^2/NDF: 592339.1/15

Left Out: 3532.666+/-0.865 χ^2/NDF:479574.1/10

Right Out: 2961.793+/-0.800 χ^2/NDF: 1169257.0/18

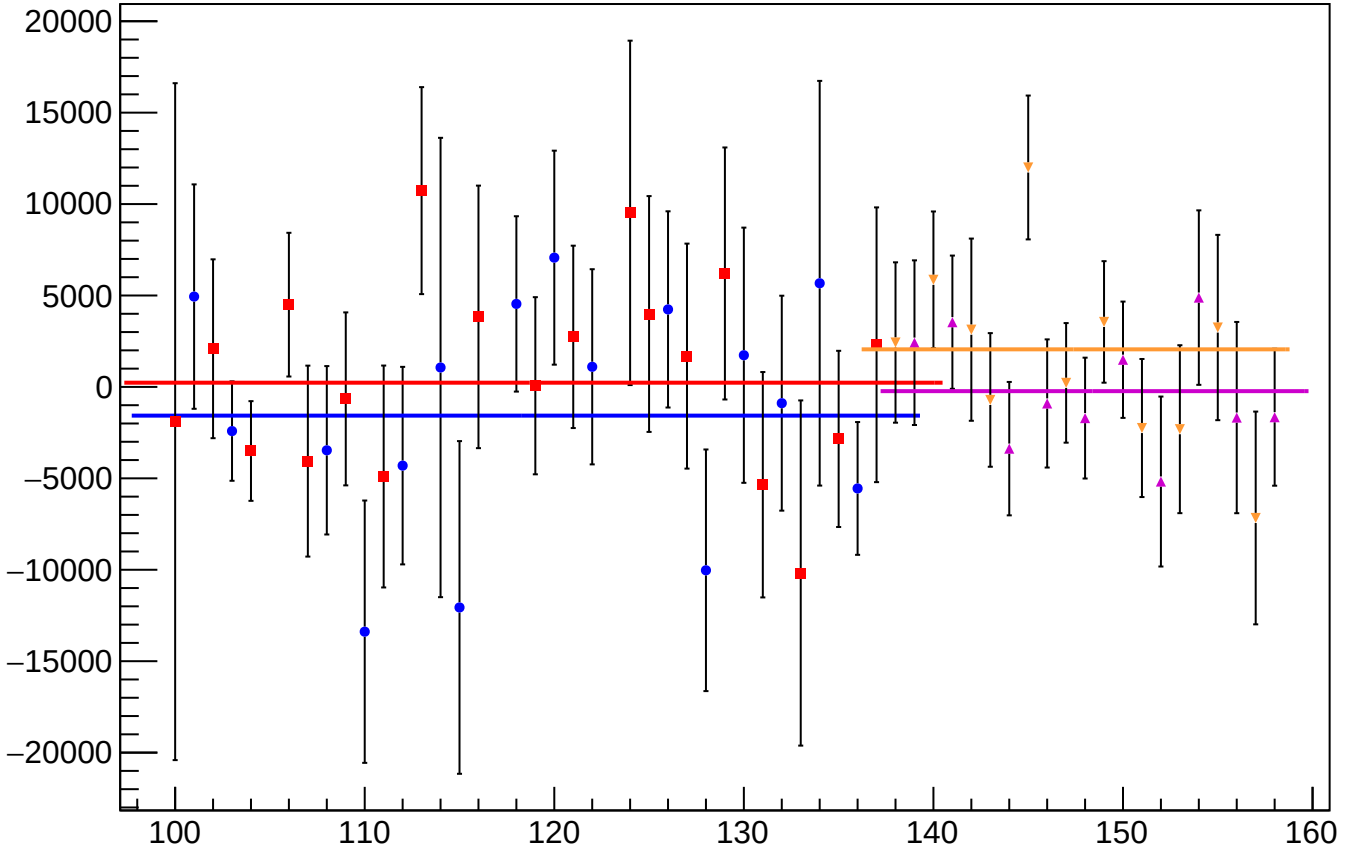
Left In: 3581.725+/-0.870 χ^2/NDF:418298.4/9

+ sign 3477.801+/-0.630 χ^2/NDF: 1080500.2/26

All: 3353.722+/-0.430 χ^2/NDF: 3015676.0/55

- sign 3245.480+/-0.589 χ^2/NDF: 1862653.4/28

asym_usr_atr2_dd_mean vs Slug



Right In: -1569.809+/-1312.937 χ^2/NDF: 14.5/15

Left Out: 2055.156+/-1218.492 χ^2/NDF:13.3/10

Right Out: 231.125+/-1224.318 χ^2/NDF: 13.2/18

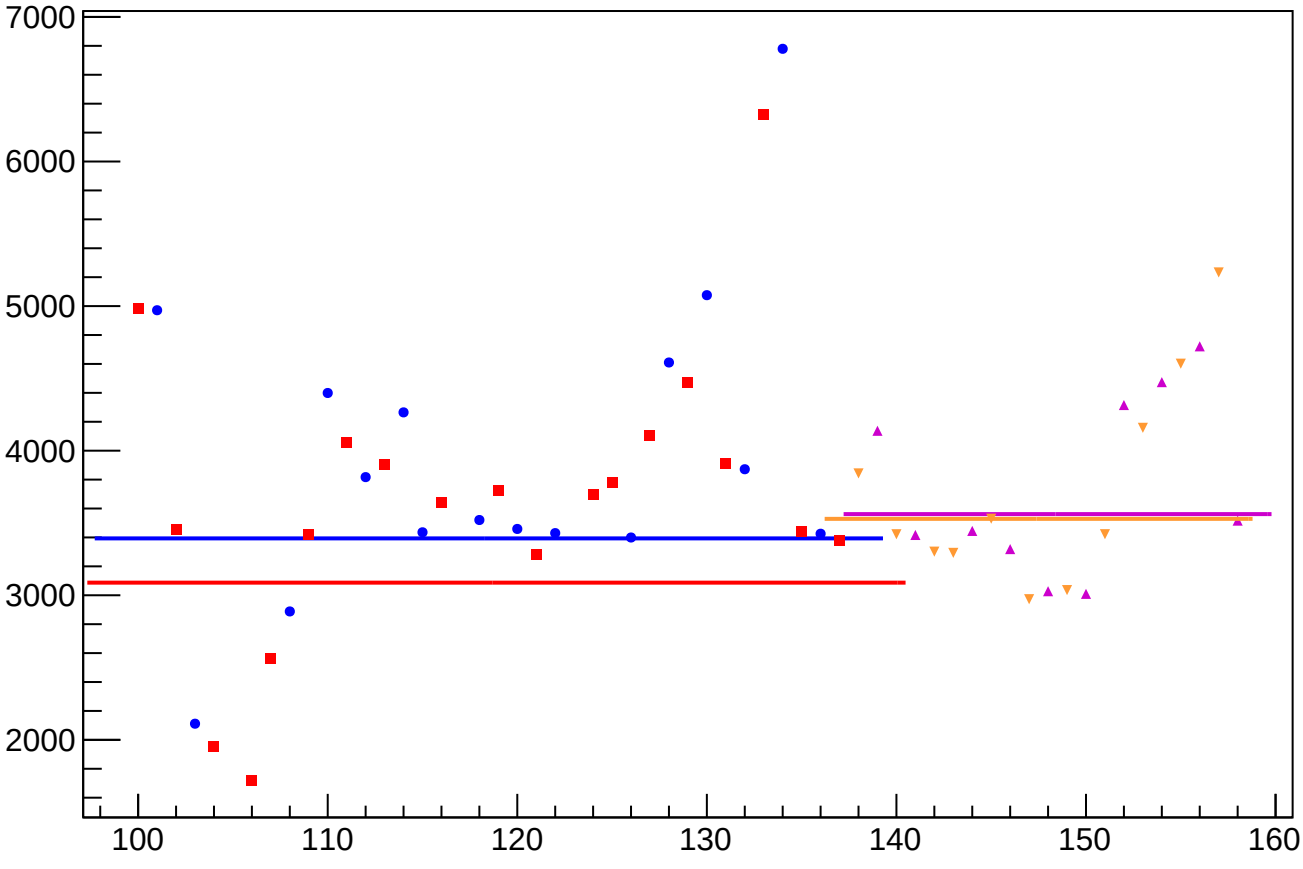
Left In: -231.111+/-1221.945 χ^2/NDF:5.2/9

+ sign 377.729+/-893.128 χ^2/NDF: 31.9/26

All: 182.570+/-621.310 χ^2/NDF: 50.5/55

- sign -0.441+/-864.883 χ^2/NDF: 18.5/28

asym_usr_atr2_dd_rms vs Slug



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3528.496+/-0.862 χ^2/NDF:426569.6/10

Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

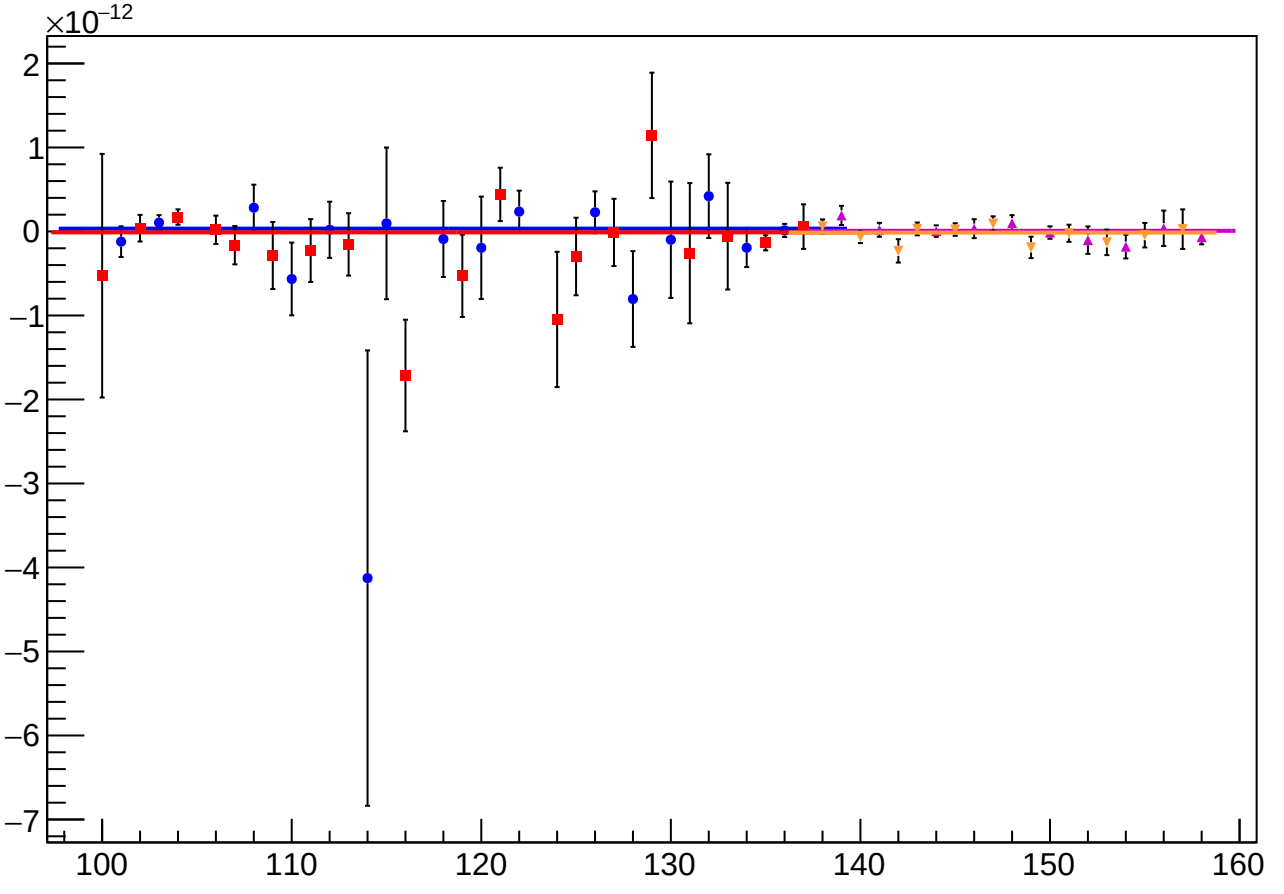
Left In: 3561.359+/-0.864 χ^2/NDF:384350.1/9

+ sign 3465.965+/-0.632 χ^2/NDF: 1486659.6/26

All: 3390.429+/-0.437 χ^2/NDF: 3379614.9/55

- sign 3320.789+/-0.606 χ^2/NDF: 1865460.4/28

asym_usr_atr2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.3/10

Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/18

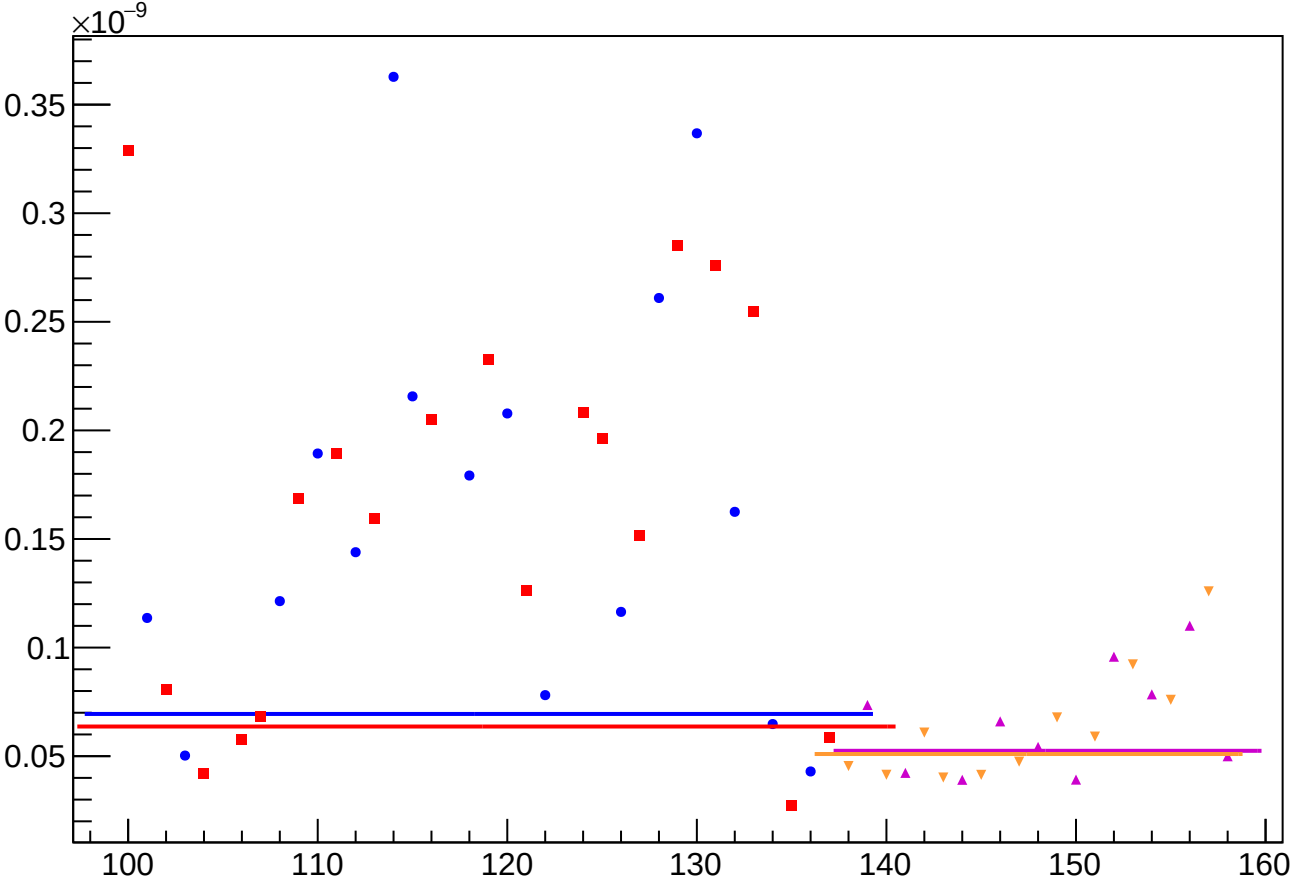
Left In: 0.000+/-0.000 χ^2/NDF:6.7/9

+ sign -0.000+/-0.000 χ^2/NDF: 20.8/26

All: 0.000+/-0.000 χ^2/NDF: 49.5/55

- sign 0.000+/-0.000 χ^2/NDF: 28.7/28

asym_usr_atr2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:586681.4/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

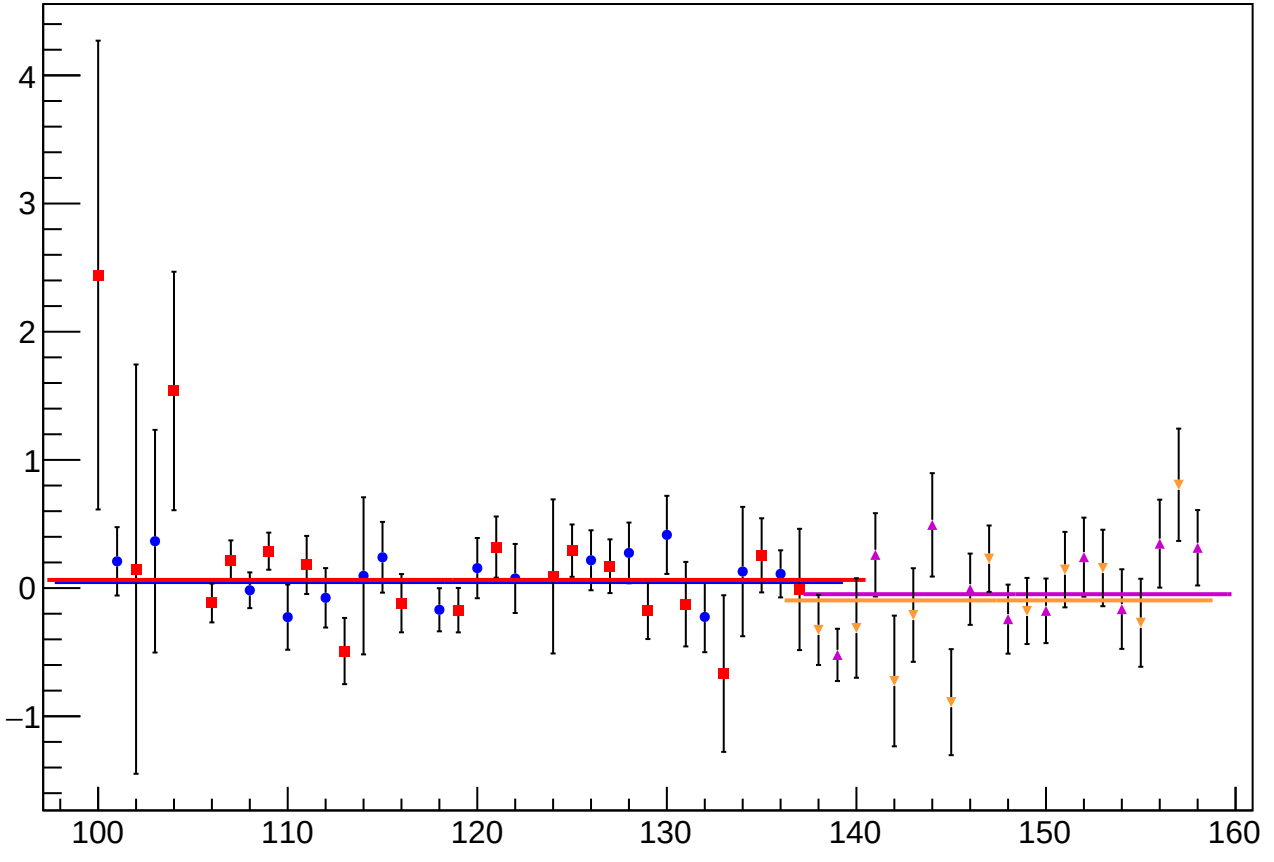
Left In: 0.000+/-0.000 χ^2/NDF:629165.6/9

+ sign 0.000+/-0.000 χ^2/NDF: 2523596.7/26

All: 0.000+/-0.000 χ^2/NDF: 5476844.6/55

- sign 0.000+/-0.000 χ^2/NDF: 2953025.6/28

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.096+/-0.098 χ^2/NDF:13.9/10

Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

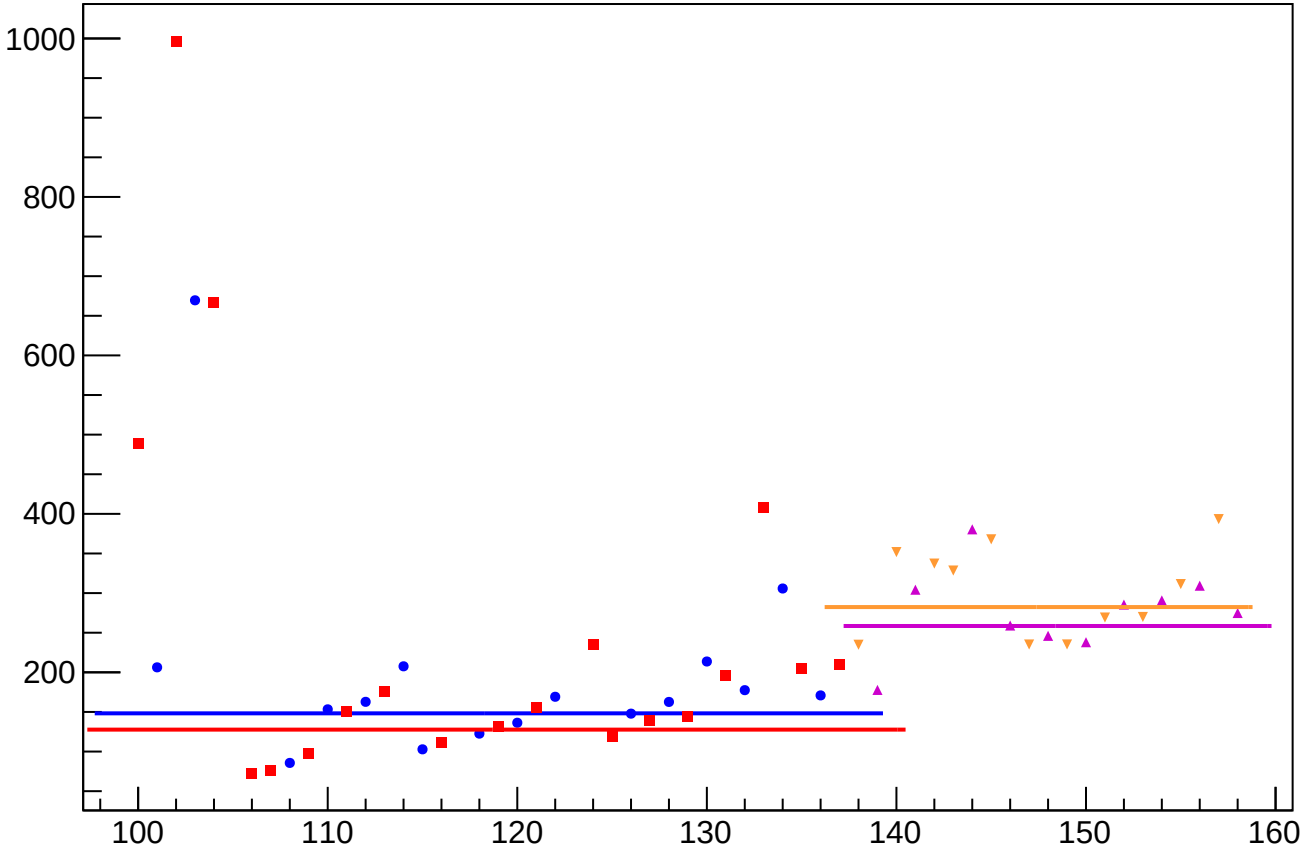
Left In: -0.048+/-0.090 χ^2/NDF:12.8/9

+ sign 0.008+/-0.051 χ^2/NDF: 24.0/26

All: 0.022+/-0.035 χ^2/NDF: 60.2/55

- sign 0.034+/-0.047 χ^2/NDF: 36.1/28

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 282.365+/-0.069 χ^2/NDF:548620.4/10

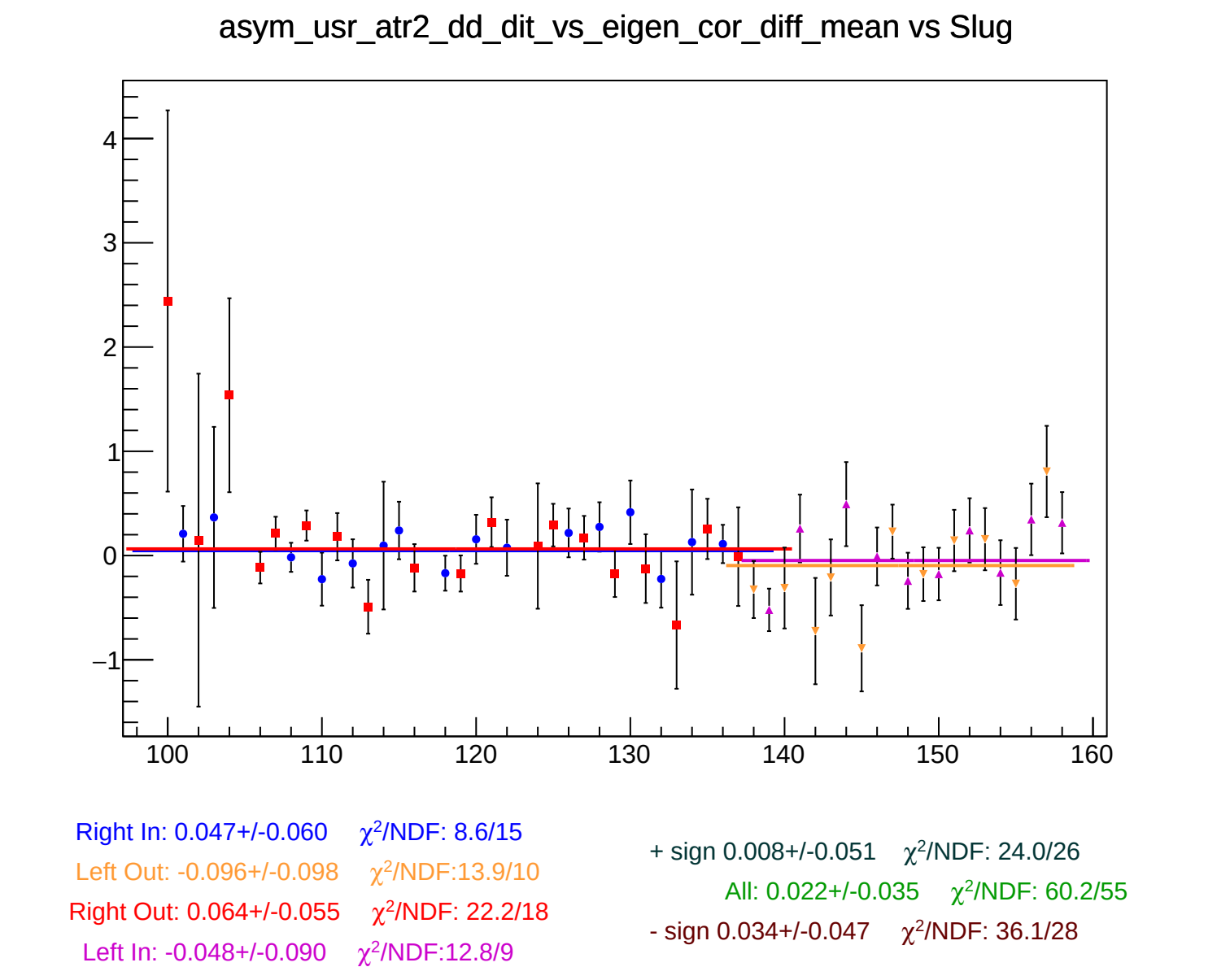
Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 258.481+/-0.064 χ^2/NDF:640343.3/9

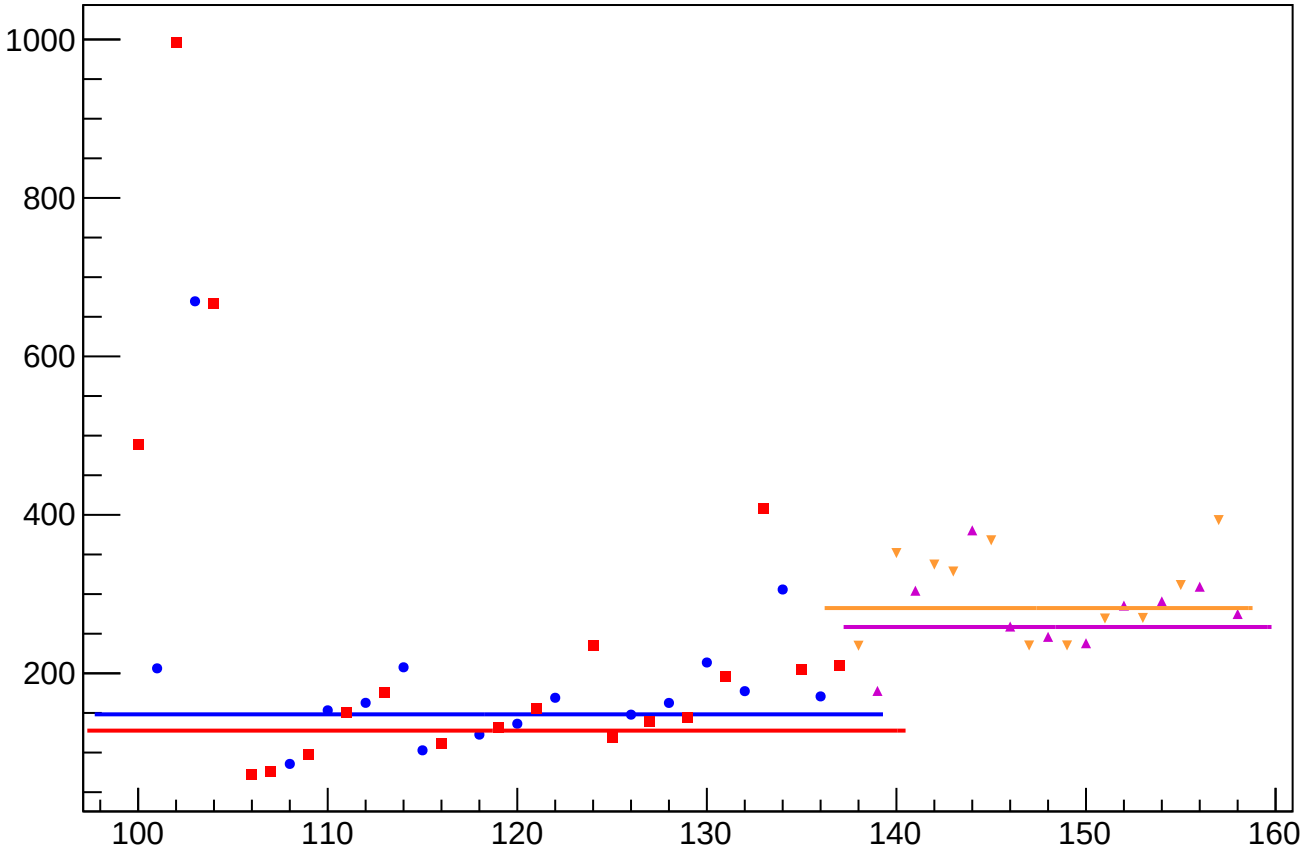
+ sign 184.707+/-0.036 χ^2/NDF: 4973305.3/26

All: 172.789+/-0.024 χ^2/NDF: 11733392.8/55

- sign 162.866+/-0.033 χ^2/NDF: 6561679.8/28


asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug
4
3
2
1
0
−1
100
110
120
130
140
150
160
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.096+/-0.098 χ²/NDF:13.9/10
Right Out: 0.064+/-0.055 χ²/NDF: 22.2/18
Left In: -0.048+/-0.090 χ²/NDF:12.8/9
+ sign 0.008+/-0.051 χ²/NDF: 24.0/26
All: 0.022+/-0.035 χ²/NDF: 60.2/55
- sign 0.034+/-0.047 χ²/NDF: 36.1/28

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 282.365+/-0.069 χ^2/NDF:548620.4/10

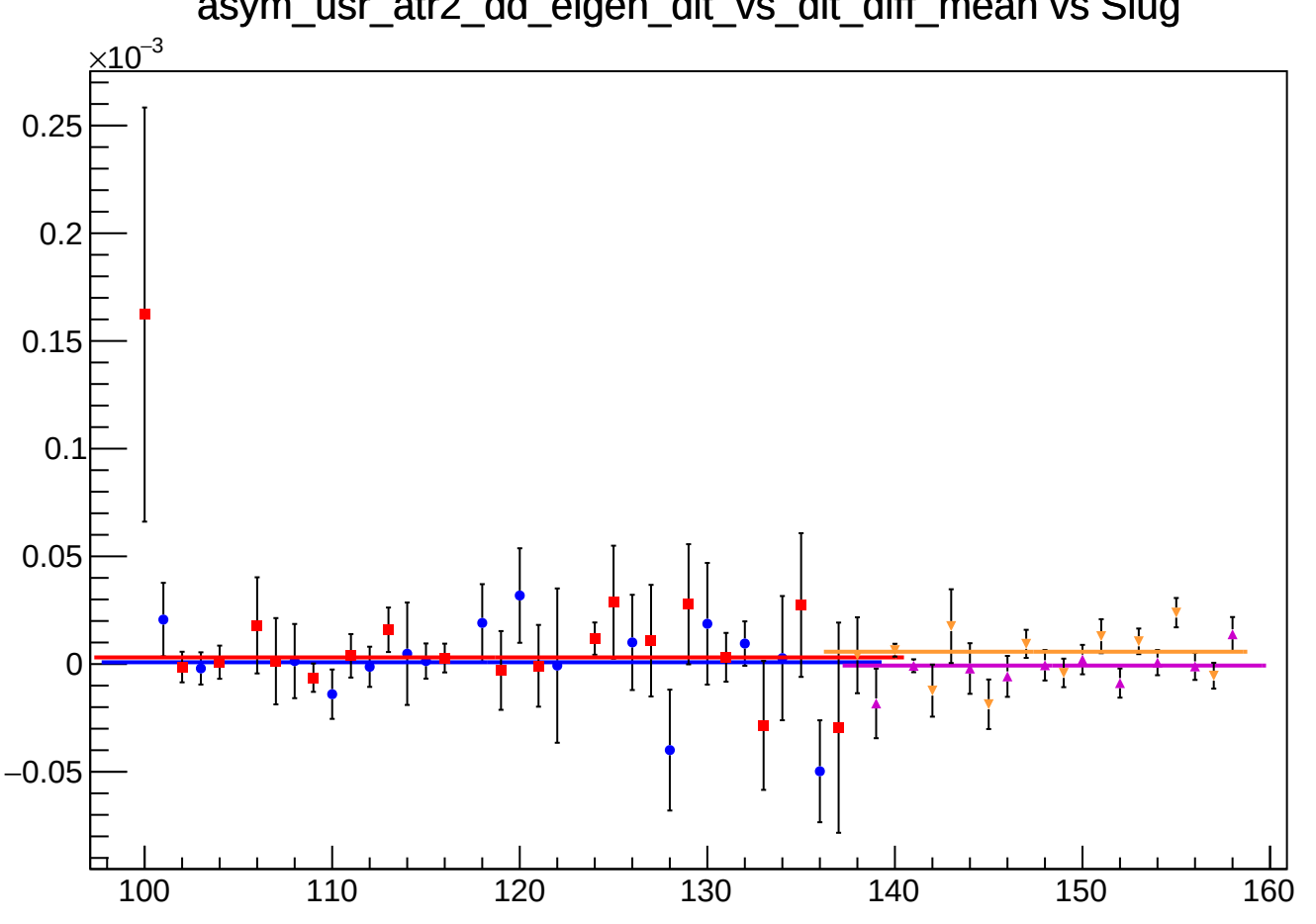
Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 258.481+/-0.064 χ^2/NDF:640343.3/9

+ sign 184.707+/-0.036 χ^2/NDF: 4973305.3/26

All: 172.789+/-0.024 χ^2/NDF: 11733392.8/55

- sign 162.866+/-0.033 χ^2/NDF: 6561679.8/28



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/10

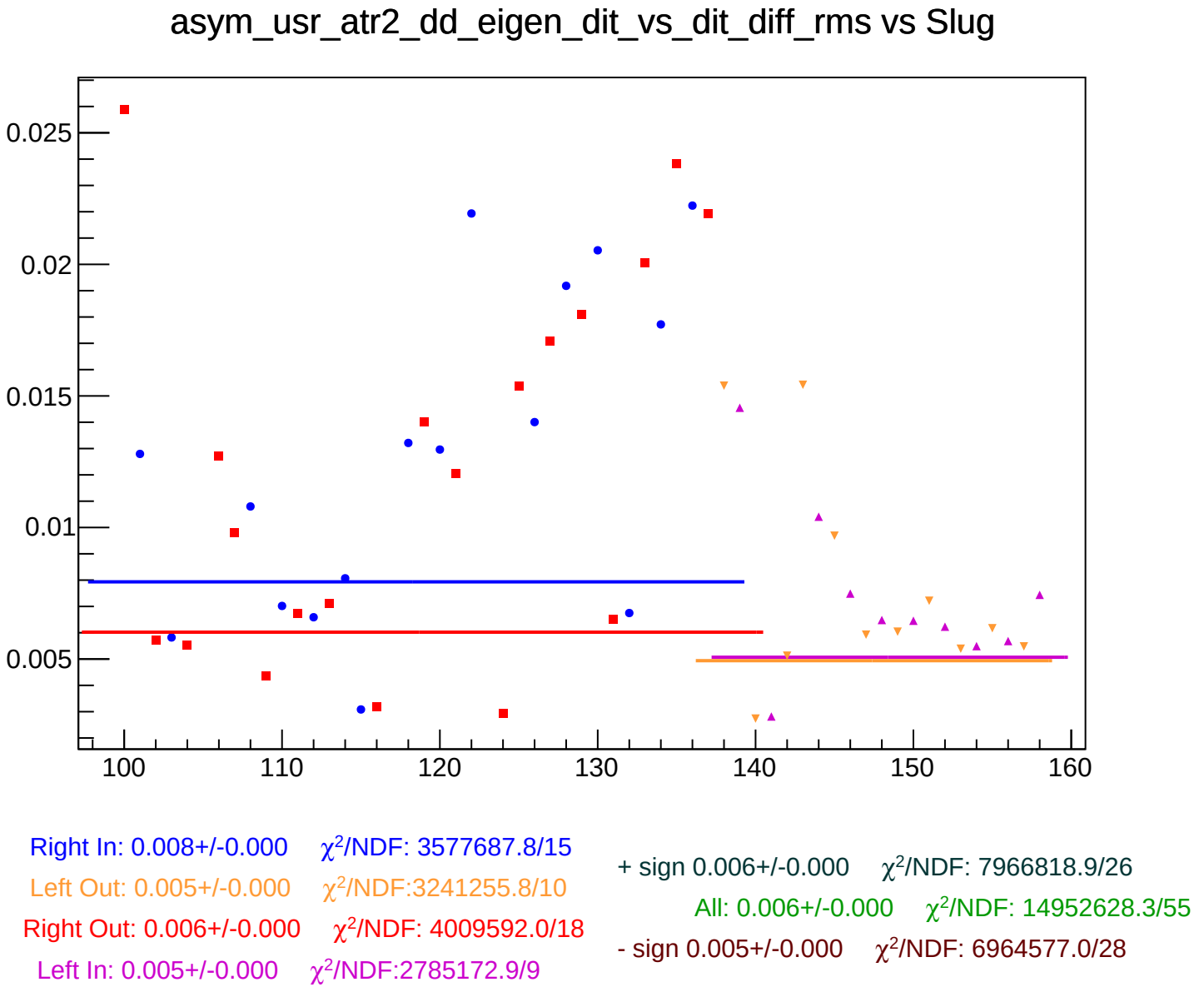
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: -0.000+/-0.000 χ^2/NDF:6.5/9

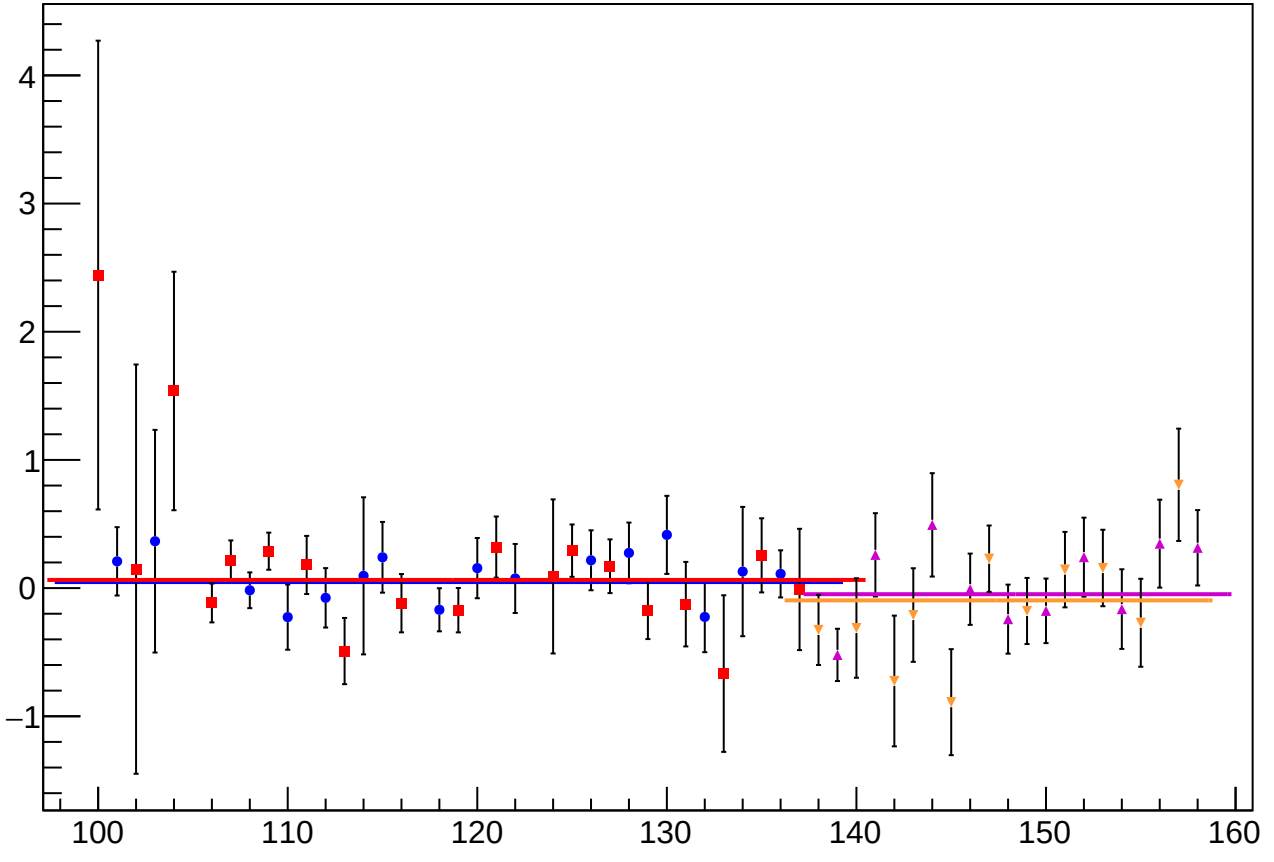
+ sign 0.000+/-0.000 χ^2/NDF: 37.6/26

All: 0.000+/-0.000 χ^2/NDF: 61.1/55

- sign 0.000+/-0.000 χ^2/NDF: 20.5/28


asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
Right In: 0.008+/-0.000 χ²/NDF: 3577687.8/15
Left Out: 0.005+/-0.000 χ²/NDF:3241255.8/10
Right Out: 0.006+/-0.000 χ²/NDF: 4009592.0/18
Left In: 0.005+/-0.000 χ²/NDF:2785172.9/9
+ sign 0.006+/-0.000 χ²/NDF: 7966818.9/26
All: 0.006+/-0.000 χ²/NDF: 14952628.3/55
- sign 0.005+/-0.000 χ²/NDF: 6964577.0/28

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.096+/-0.098 χ^2/NDF:13.9/10

Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

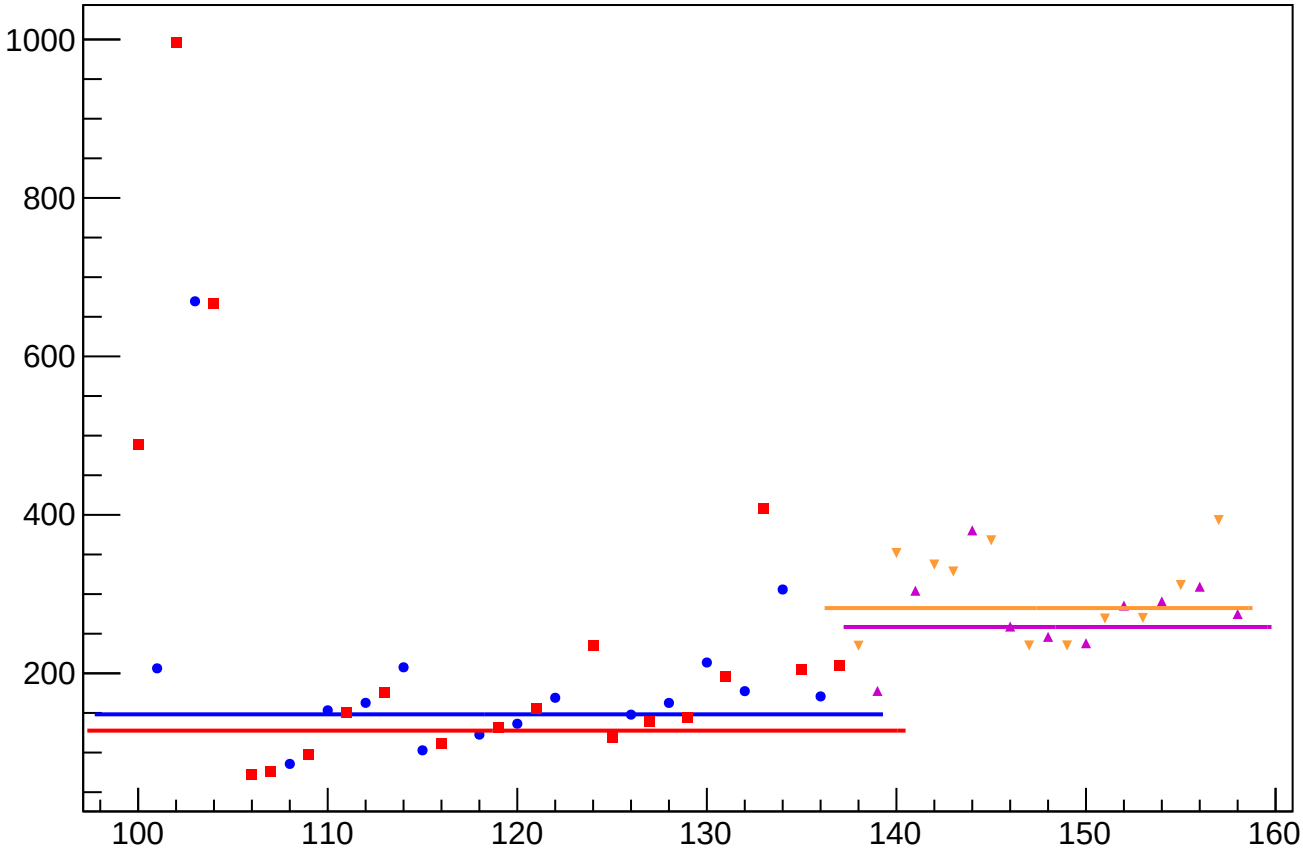
Left In: -0.048+/-0.090 χ^2/NDF:12.8/9

+ sign 0.008+/-0.051 χ^2/NDF: 24.0/26

All: 0.022+/-0.035 χ^2/NDF: 60.2/55

- sign 0.034+/-0.047 χ^2/NDF: 36.1/28

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 282.368+/-0.069 χ^2/NDF:548583.8/10

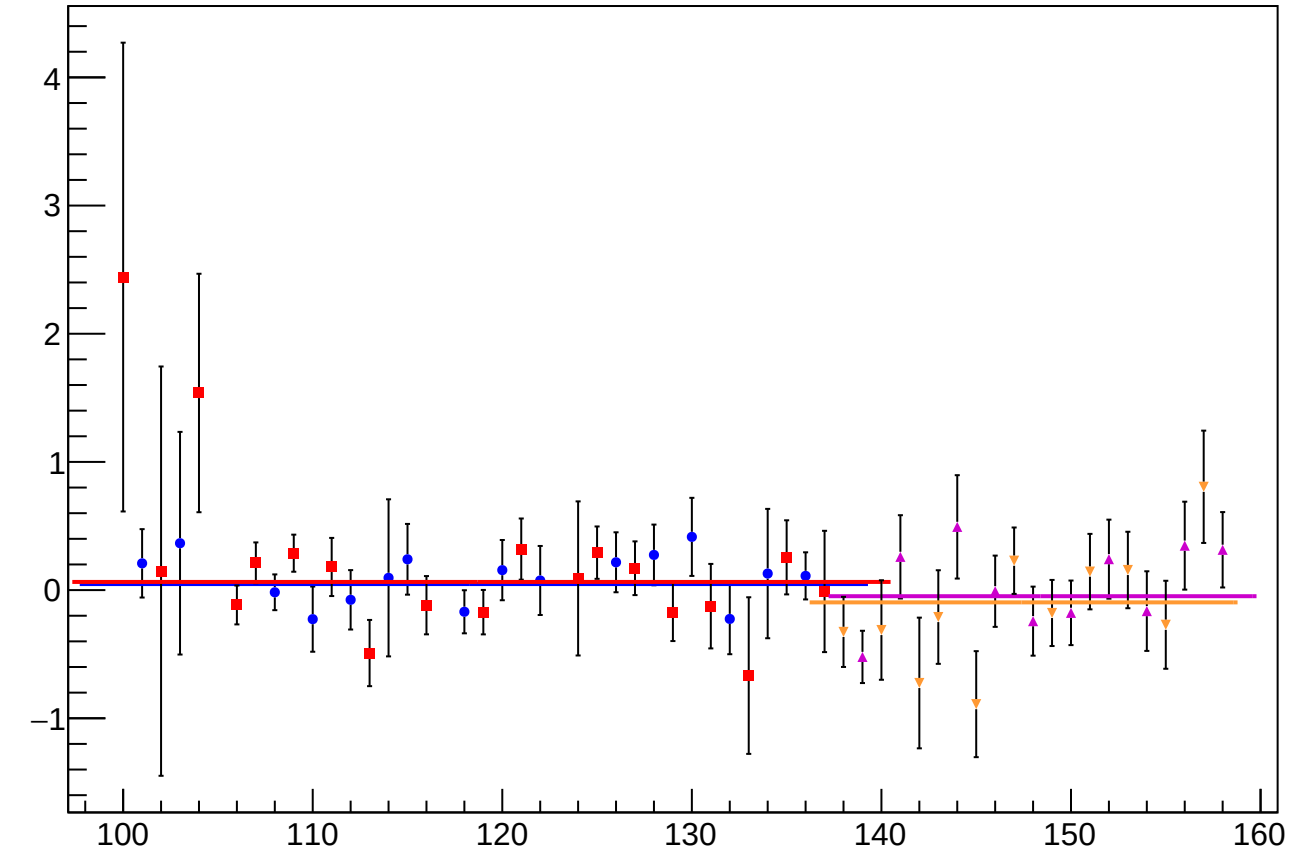
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 258.484+/-0.064 χ^2/NDF:640298.3/9

+ sign 184.705+/-0.036 χ^2/NDF: 4973545.9/26

All: 172.789+/-0.024 χ^2/NDF: 11733624.0/55

- sign 162.867+/-0.033 χ^2/NDF: 6561714.5/28



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.096+/-0.098 χ^2/NDF:13.9/10

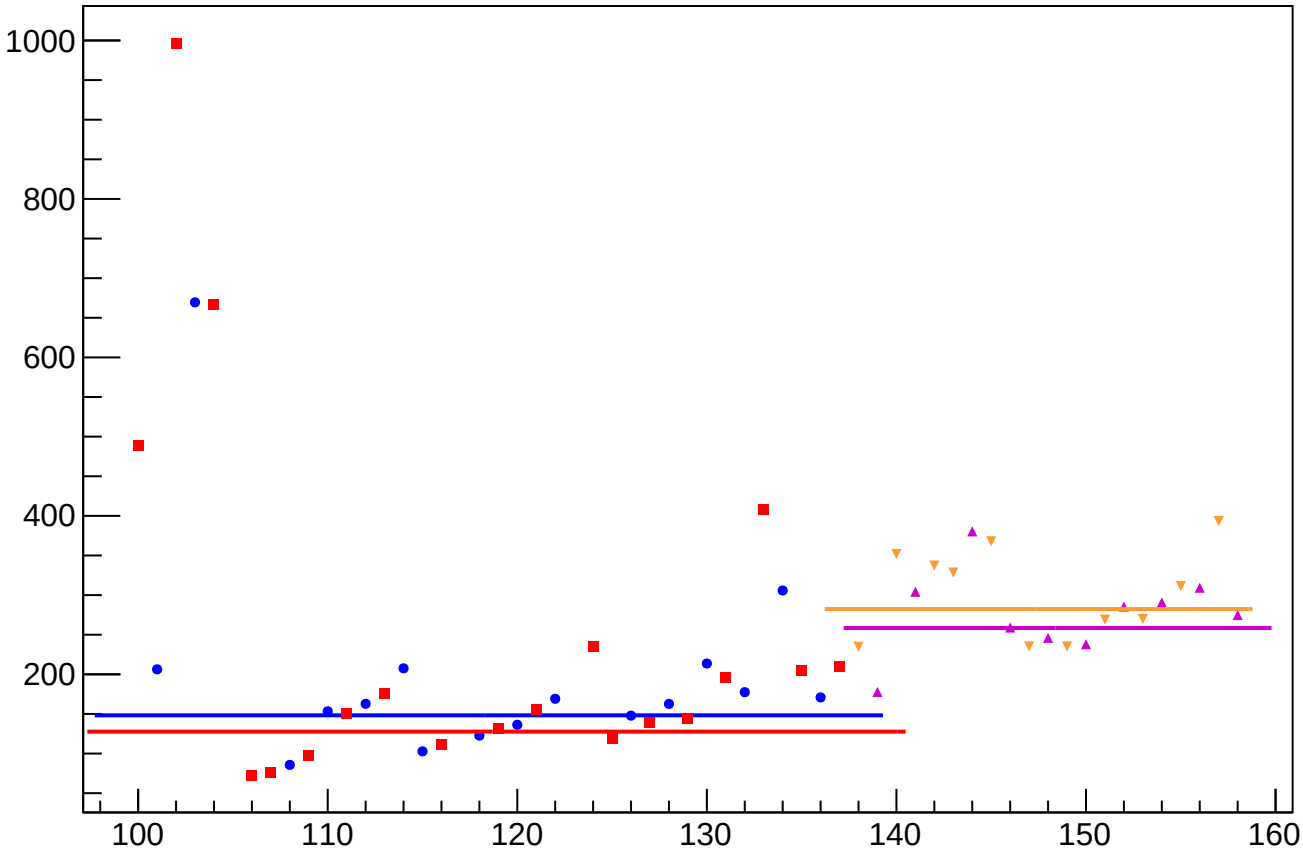
Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: -0.048+/-0.090 χ^2/NDF:12.8/9

+ sign 0.008+/-0.051 χ^2/NDF: 24.0/26

All: 0.022+/-0.035 χ^2/NDF: 60.2/55

- sign 0.034+/-0.047 χ^2/NDF: 36.1/28



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 282.368+/-0.069 χ^2/NDF:548583.8/10

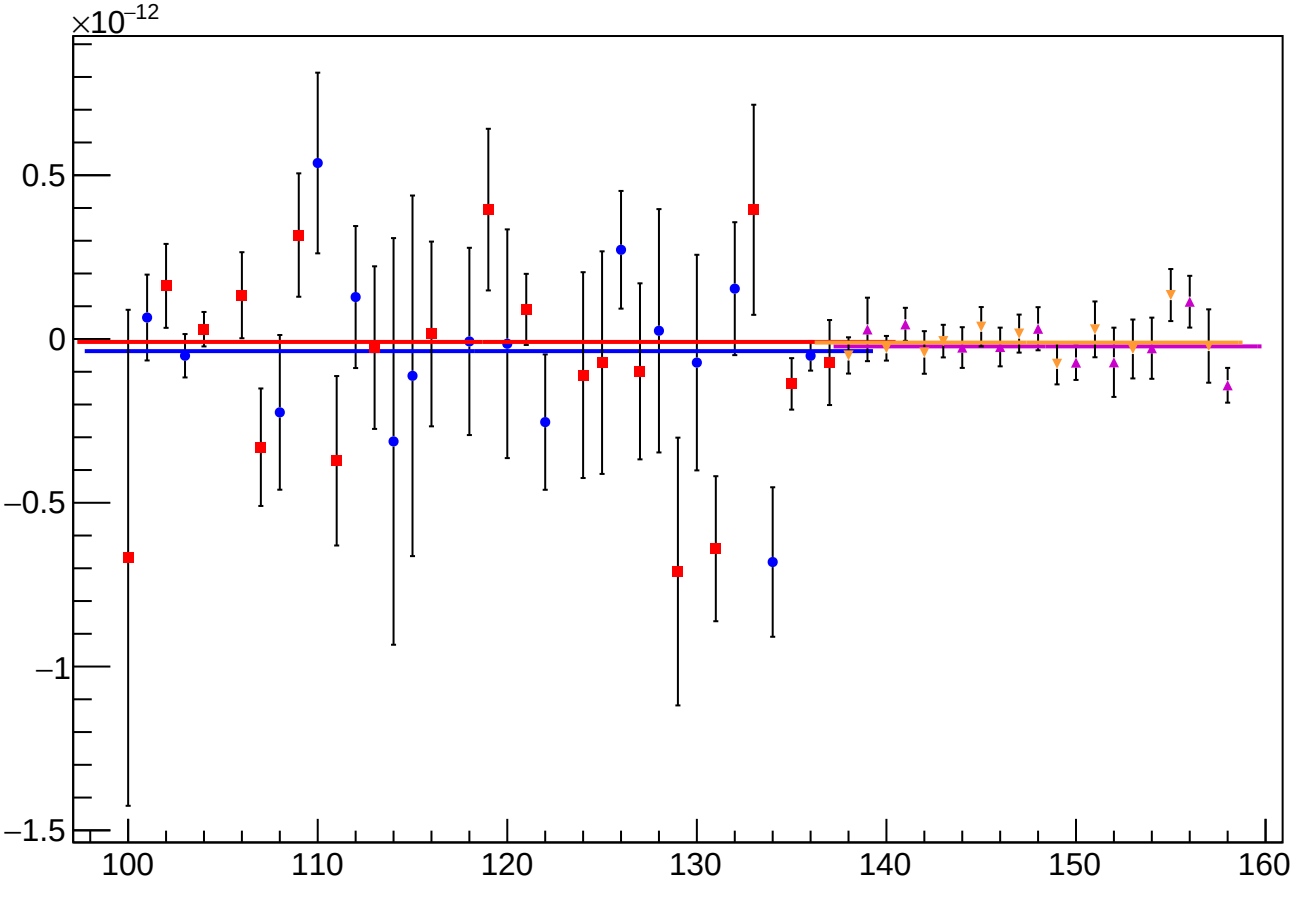
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 258.484+/-0.064 χ^2/NDF:640298.3/9

+ sign 184.705+/-0.036 χ^2/NDF: 4973545.9/26

All: 172.789+/-0.024 χ^2/NDF: 11733624.0/55

- sign 162.867+/-0.033 χ^2/NDF: 6561714.5/28



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.5/10

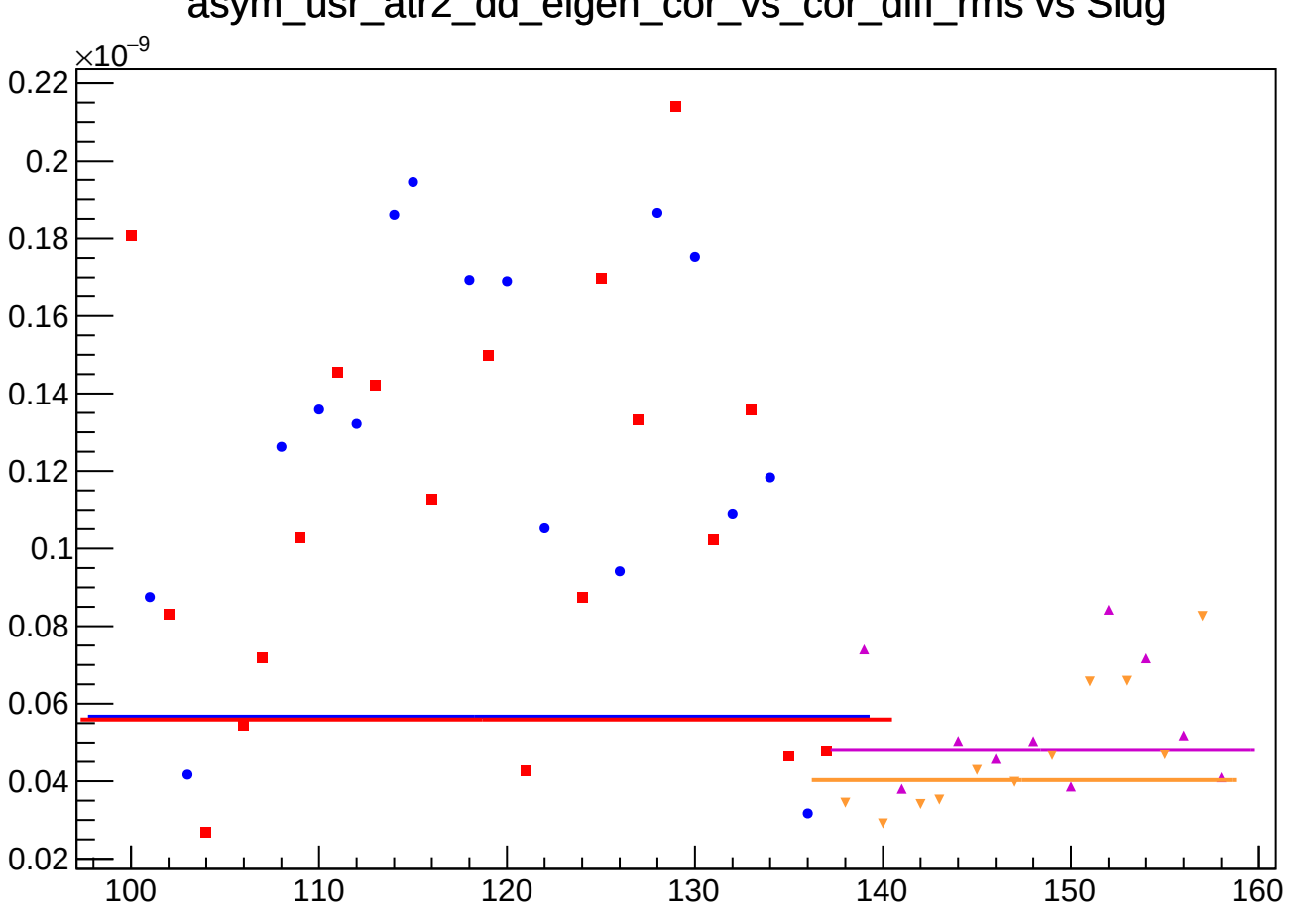
Right Out: -0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: -0.000+/-0.000 χ^2/NDF:11.8/9

+ sign -0.000+/-0.000 χ^2/NDF: 26.5/26

All: -0.000+/-0.000 χ^2/NDF: 70.2/55

- sign -0.000+/-0.000 χ^2/NDF: 43.7/28



Right In: 0.000+/-0.000 χ^2/NDF: 3113213.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:902093.7/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2732977.9/18

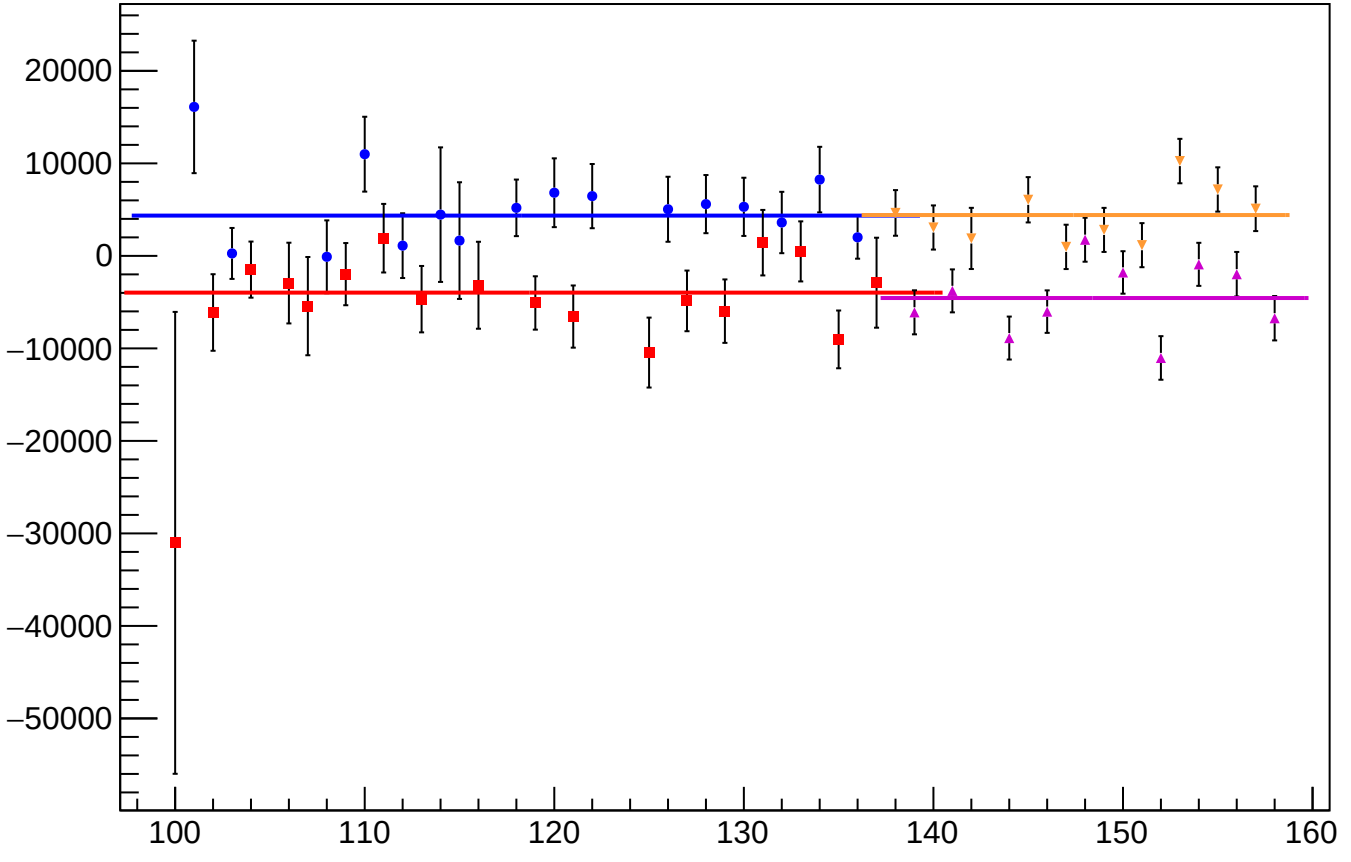
Left In: 0.000+/-0.000 χ^2/NDF:696447.4/9

+ sign 0.000+/-0.000 χ^2/NDF: 4405983.0/26

All: 0.000+/-0.000 χ^2/NDF: 8054479.6/55

- sign 0.000+/-0.000 χ^2/NDF: 3514376.4/28

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4414.793+/-780.031 χ^2/NDF:13.1/9

Right Out: -3971.679+/-871.305 χ^2/NDF: 16.2/17

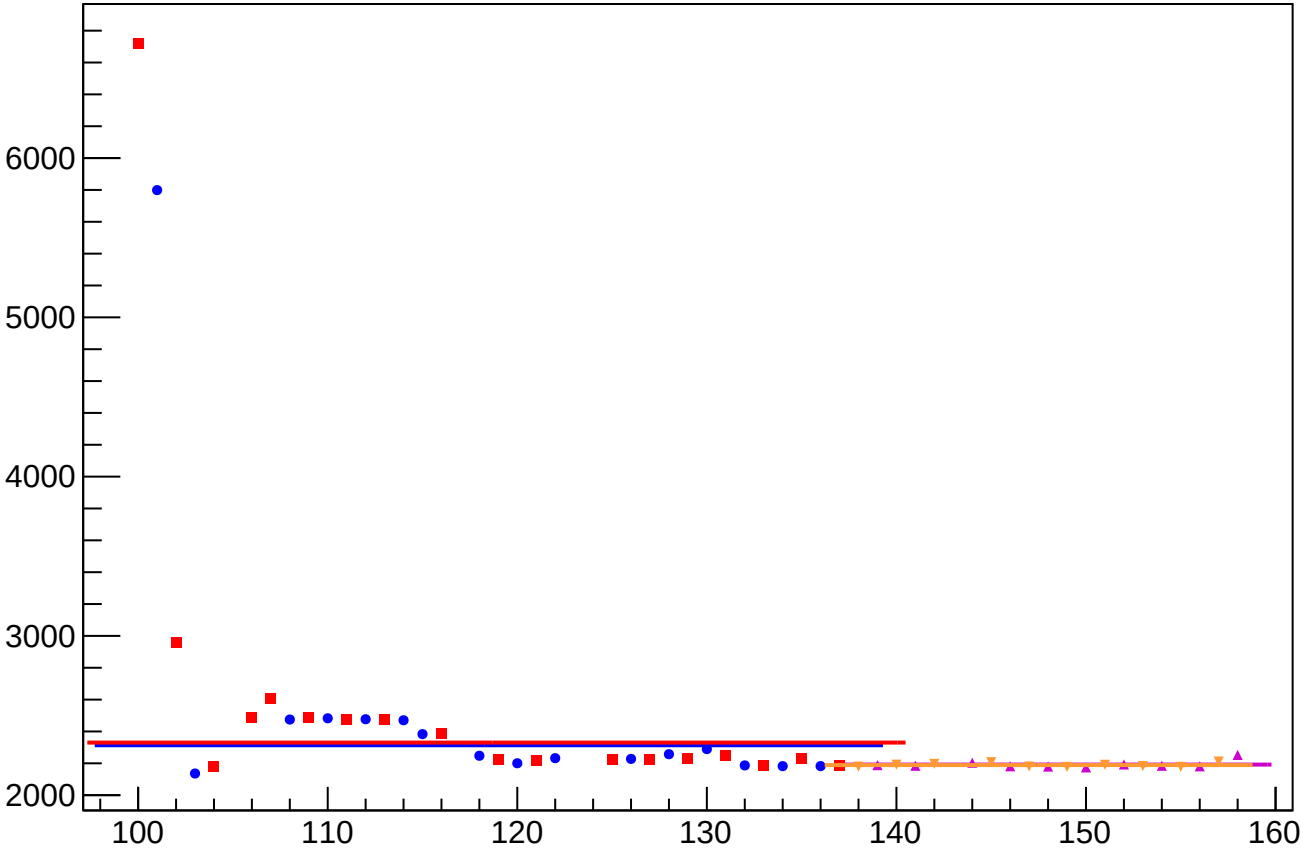
Left In: -4555.373+/-742.162 χ^2/NDF:24.9/9

+ sign 4388.034+/-582.303 χ^2/NDF: 26.4/25

All: -92.220+/-405.489 χ^2/NDF: 182.7/53

- sign -4309.948+/-564.985 χ^2/NDF: 41.3/27

reg_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2188.920+/-0.552 χ^2/NDF:458.7/9

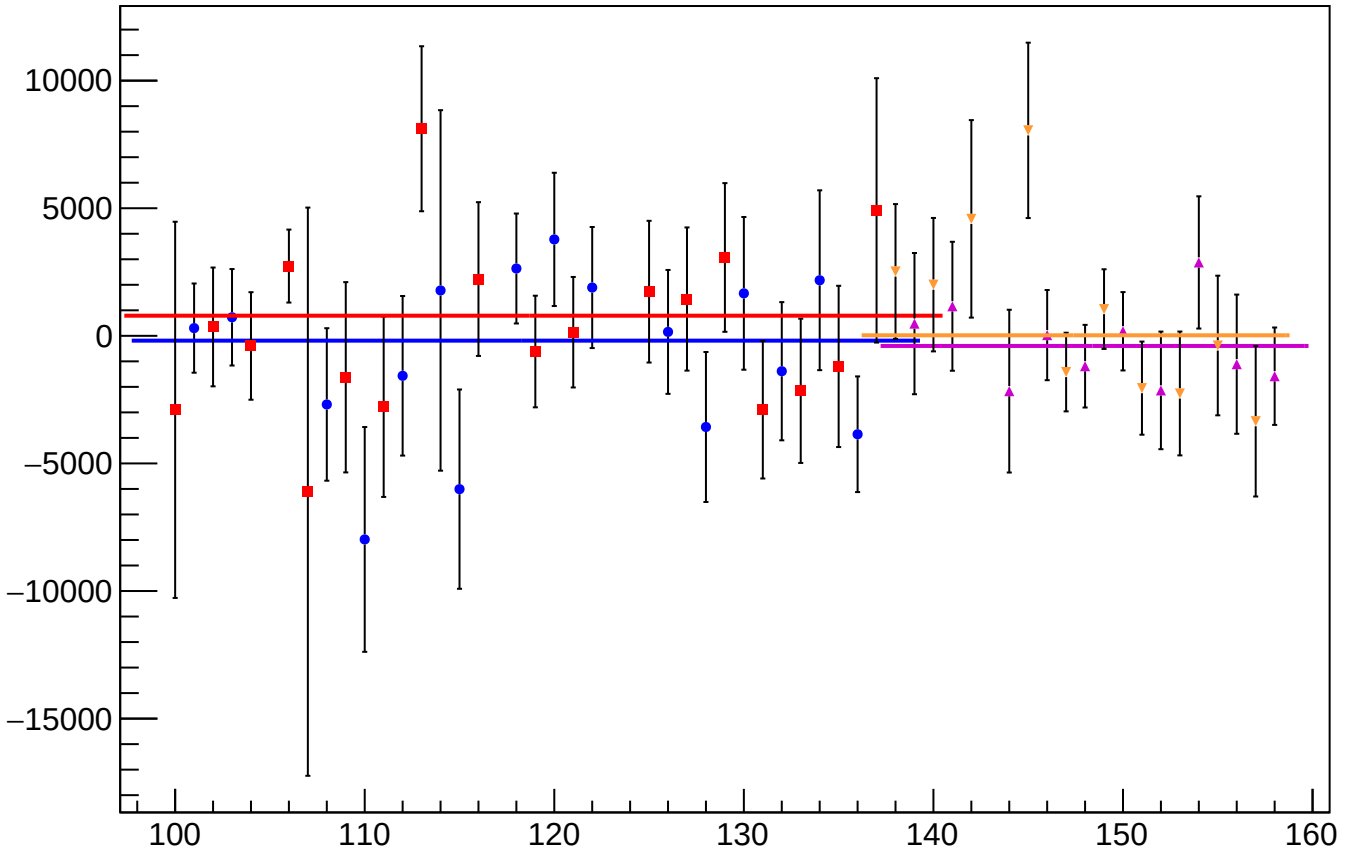
Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2192.065+/-0.525 χ^2/NDF:1634.4/9

+ sign 2244.035+/-0.412 χ^2/NDF: 535384.7/25

All: 2247.183+/-0.287 χ^2/NDF: 717475.8/53

- sign 2250.147+/-0.400 χ^2/NDF: 181977.6/27



Right In: -188.660+/-658.334 χ^2/NDF: 16.4/15

Left Out: 20.690+/-708.603 χ^2/NDF:13.1/9

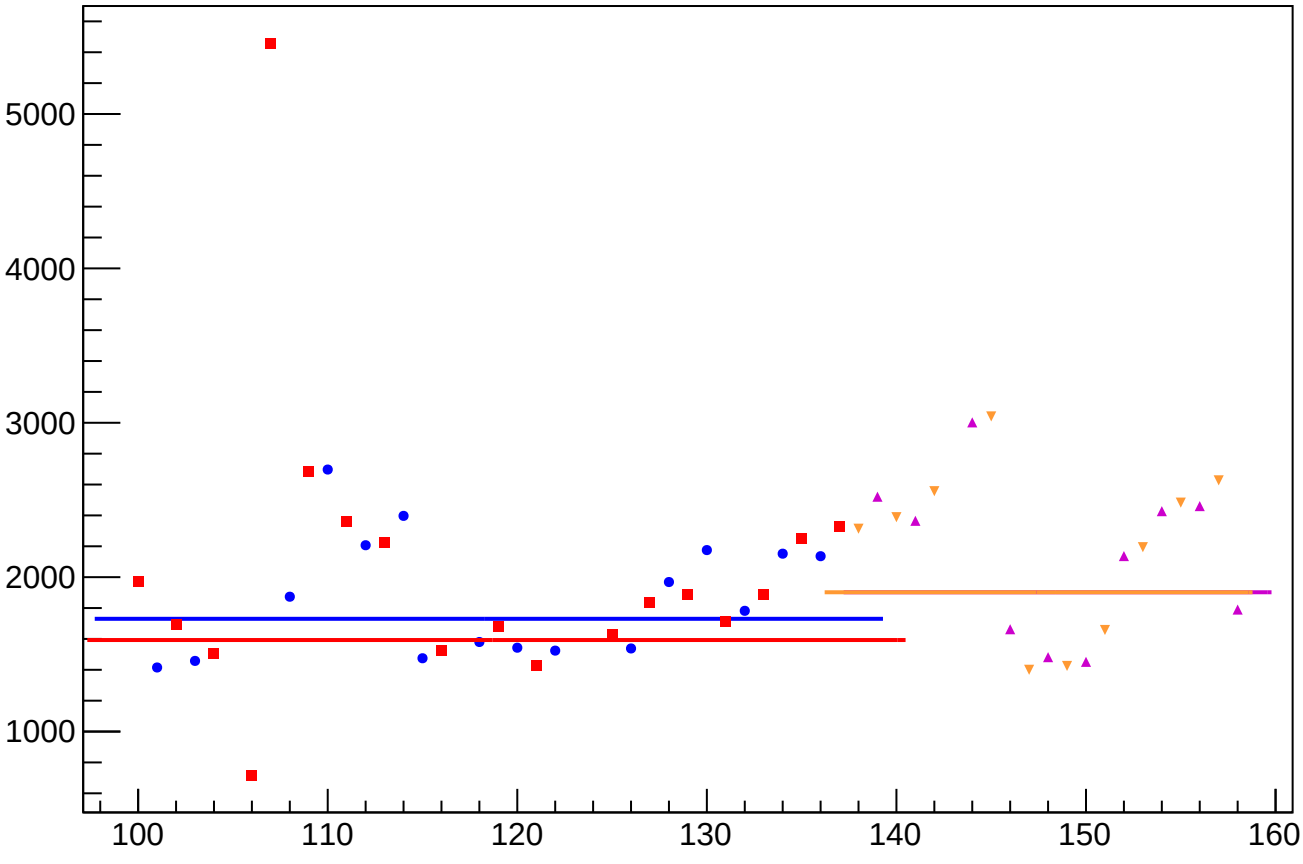
Right Out: 789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: -396.656+/-665.498 χ^2/NDF:3.8/9

\+ sign -91.673+/-482.306 χ^2/NDF: 29.6/25

All: 73.960+/-332.640 χ^2/NDF: 50.2/53

\- sign 224.221+/-459.379 χ^2/NDF: 20.4/27



Right In: 1730.288+/-0.466 χ^2/NDF: 478932.0/15

Left Out: 1902.200+/-0.501 χ^2/NDF:1069717.1/9

Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

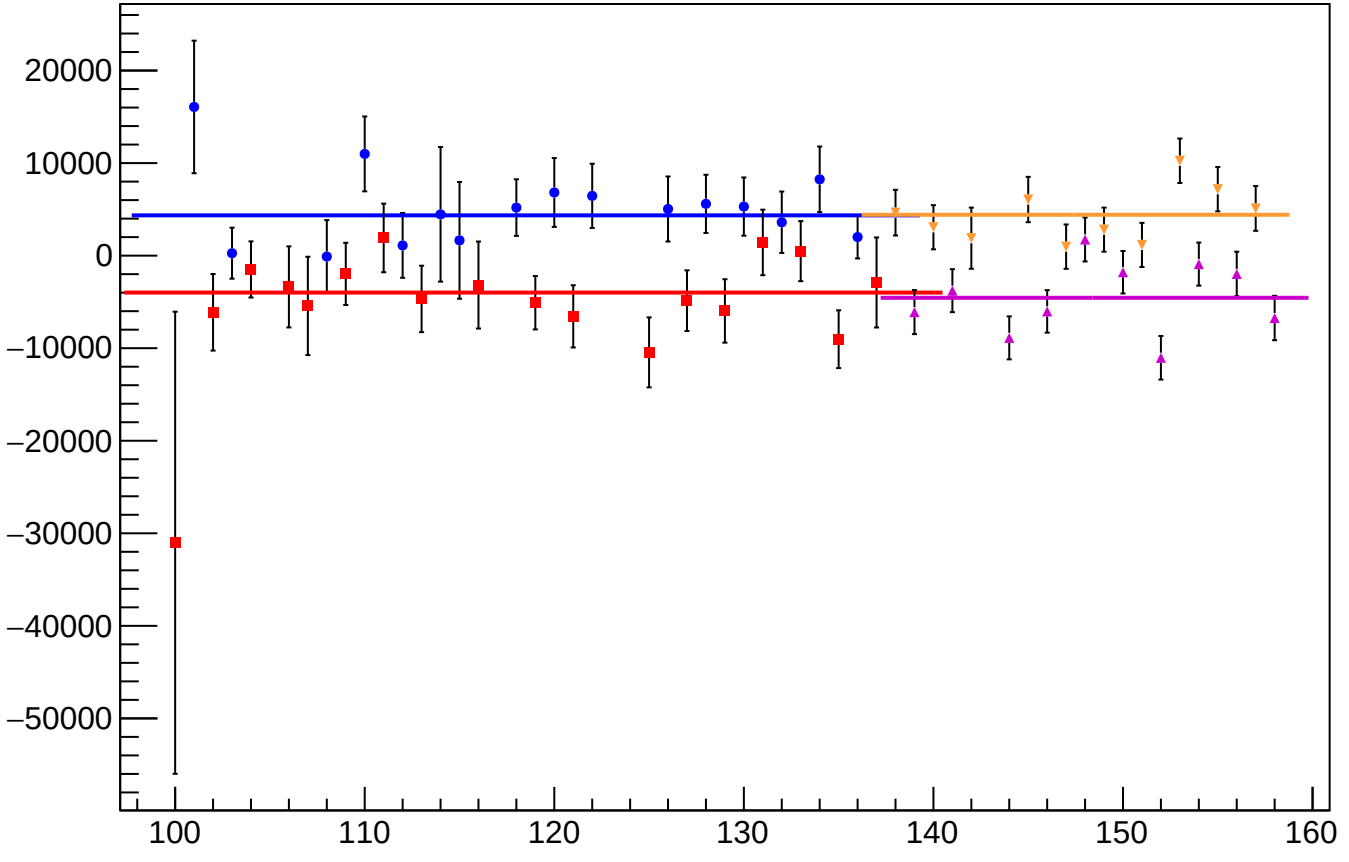
Left In: 1902.227+/-0.471 χ^2/NDF:942686.8/9

+ sign 1809.930+/-0.341 χ^2/NDF: 1611831.0/25

All: 1773.394+/-0.235 χ^2/NDF: 4358927.9/53

- sign 1740.249+/-0.325 χ^2/NDF: 2725208.2/27

cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4414.690+/-780.031 χ^2/NDF:13.1/9

Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

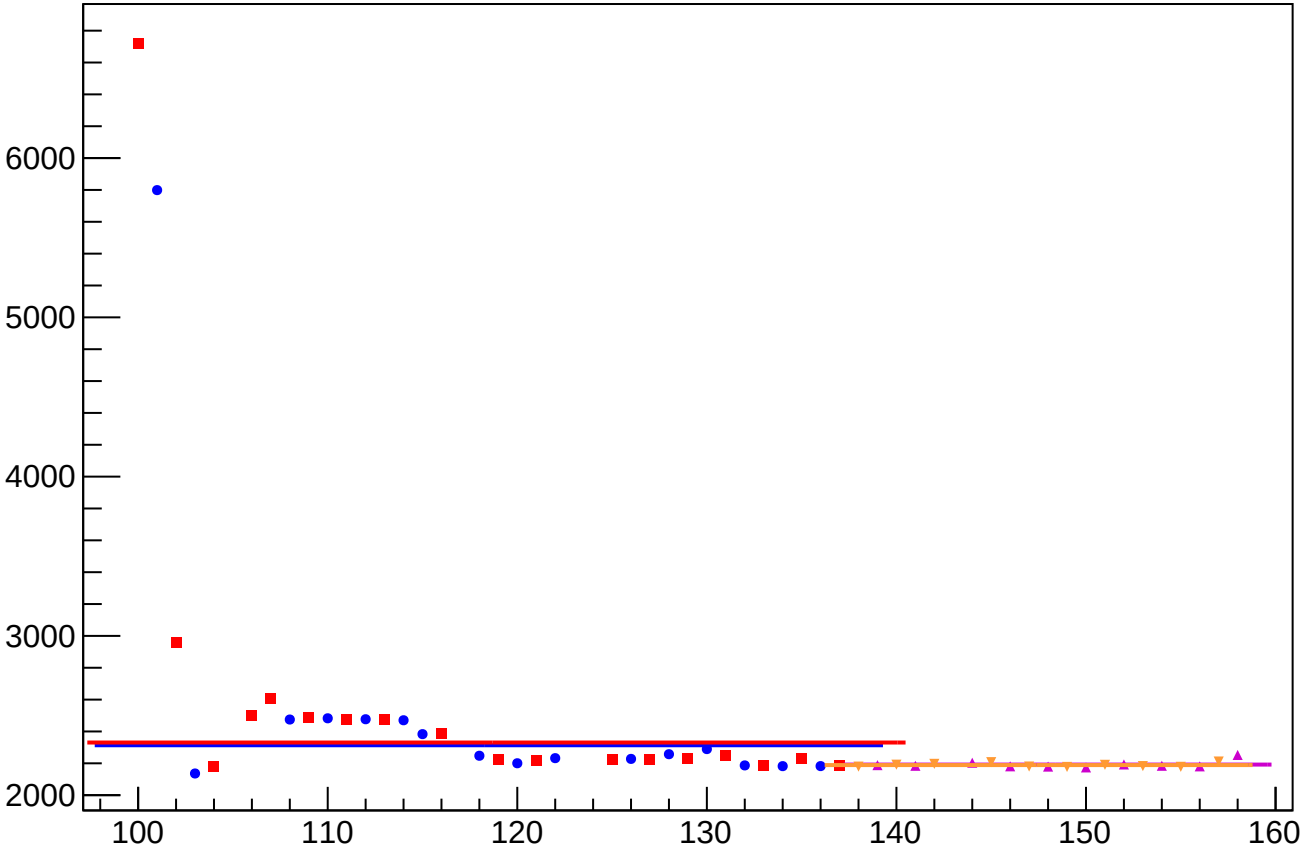
Left In: -4555.581+/-742.162 χ^2/NDF:24.9/9

+ sign 4387.675+/-582.303 χ^2/NDF: 26.4/25

All: -96.108+/-405.504 χ^2/NDF: 182.8/53

- sign -4317.771+/-565.026 χ^2/NDF: 41.3/27

cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2188.920+/-0.552 χ^2/NDF:458.7/9

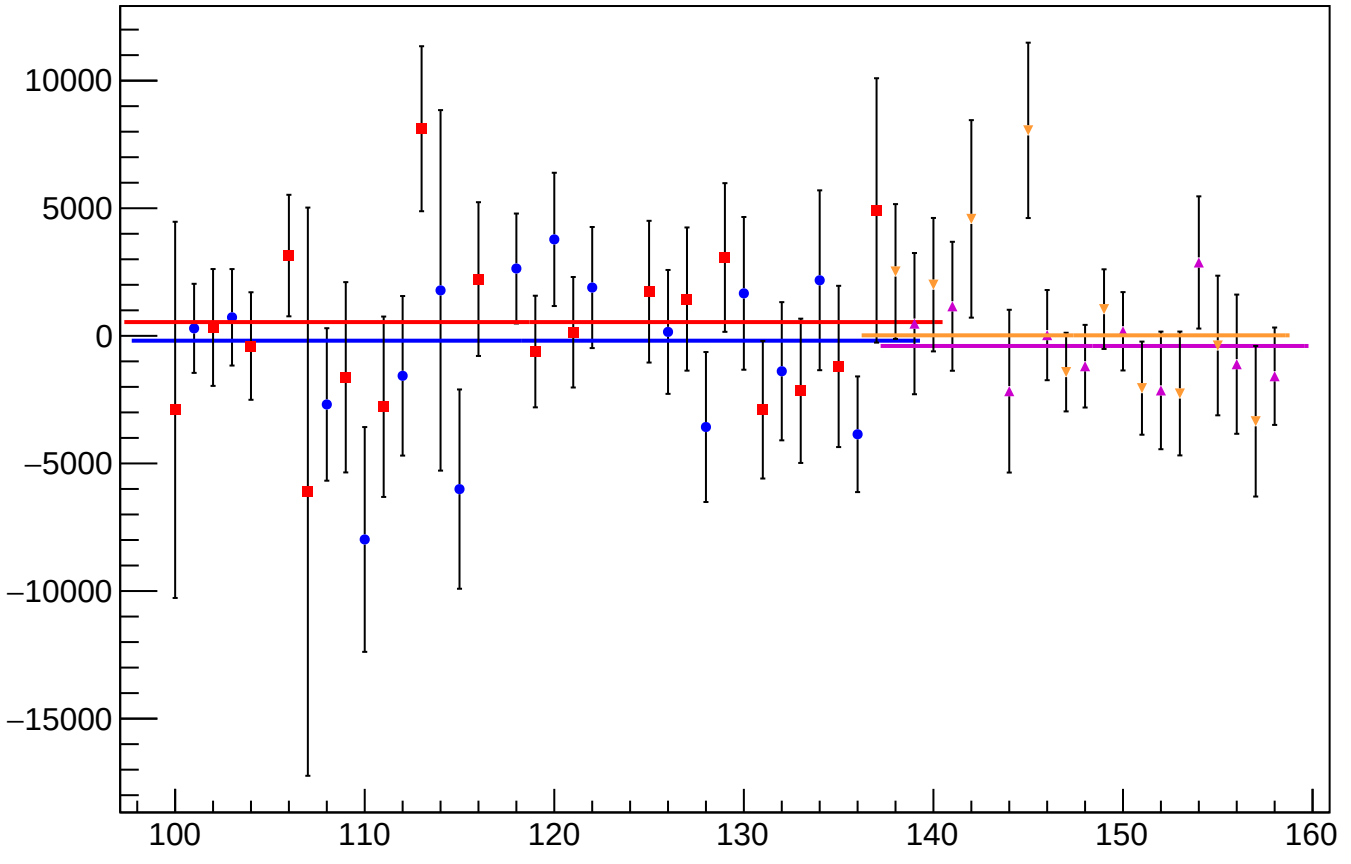
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2192.065+/-0.525 χ^2/NDF:1634.4/9

+ sign 2244.035+/-0.412 χ^2/NDF: 535385.1/25

All: 2247.257+/-0.287 χ^2/NDF: 717977.8/53

- sign 2250.290+/-0.400 χ^2/NDF: 182473.8/27



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: 20.328+/-708.602 χ^2/NDF:13.1/9

Right Out: 539.517+/-678.214 χ^2/NDF: 13.9/17

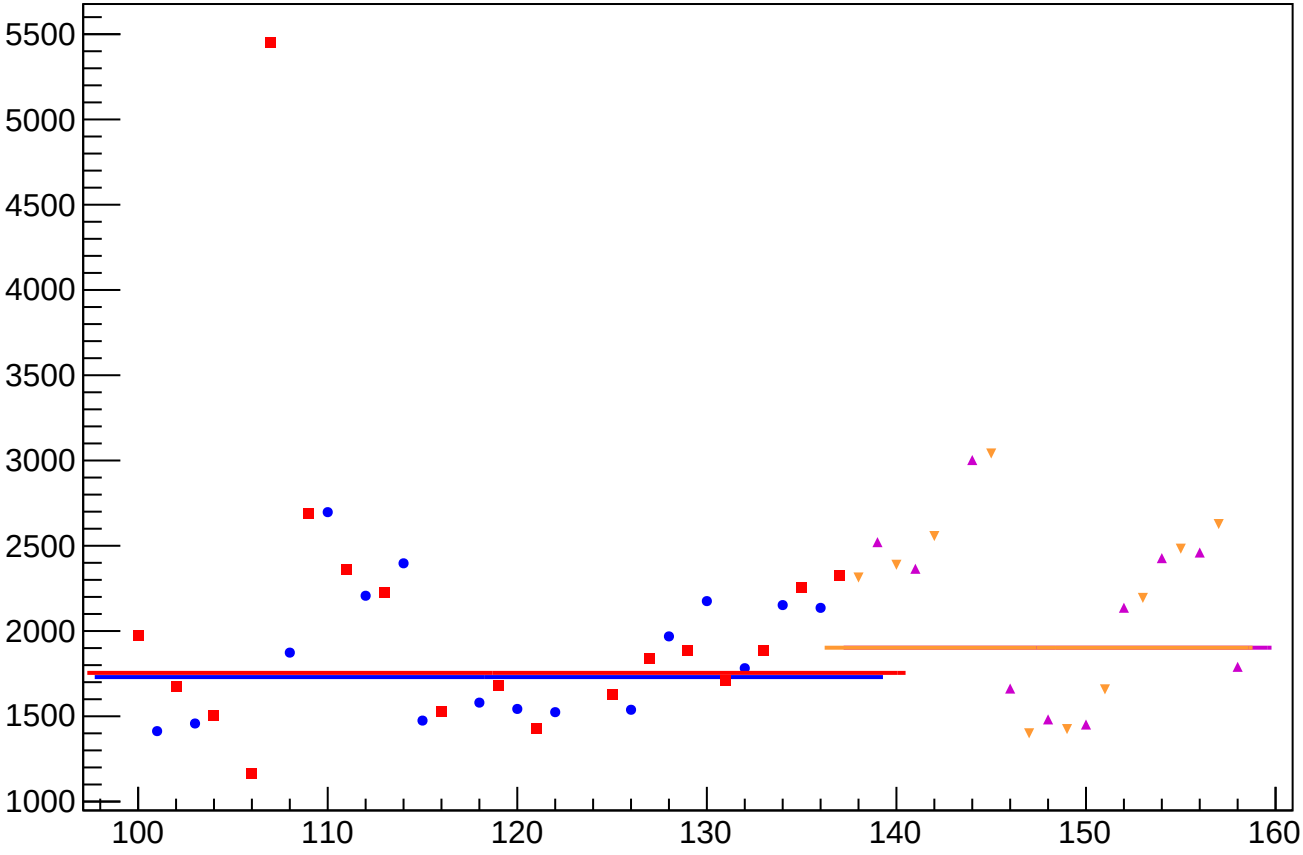
Left In: -396.768+/-665.499 χ^2/NDF:3.8/9

\+ sign -92.453+/-482.255 χ^2/NDF: 29.6/25

All: -13.797+/-338.415 χ^2/NDF: 48.4/53

\- sign 62.515+/-475.011 χ^2/NDF: 18.7/27

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs Slug



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1902.197+/-0.501 χ^2/NDF:1069748.1/9

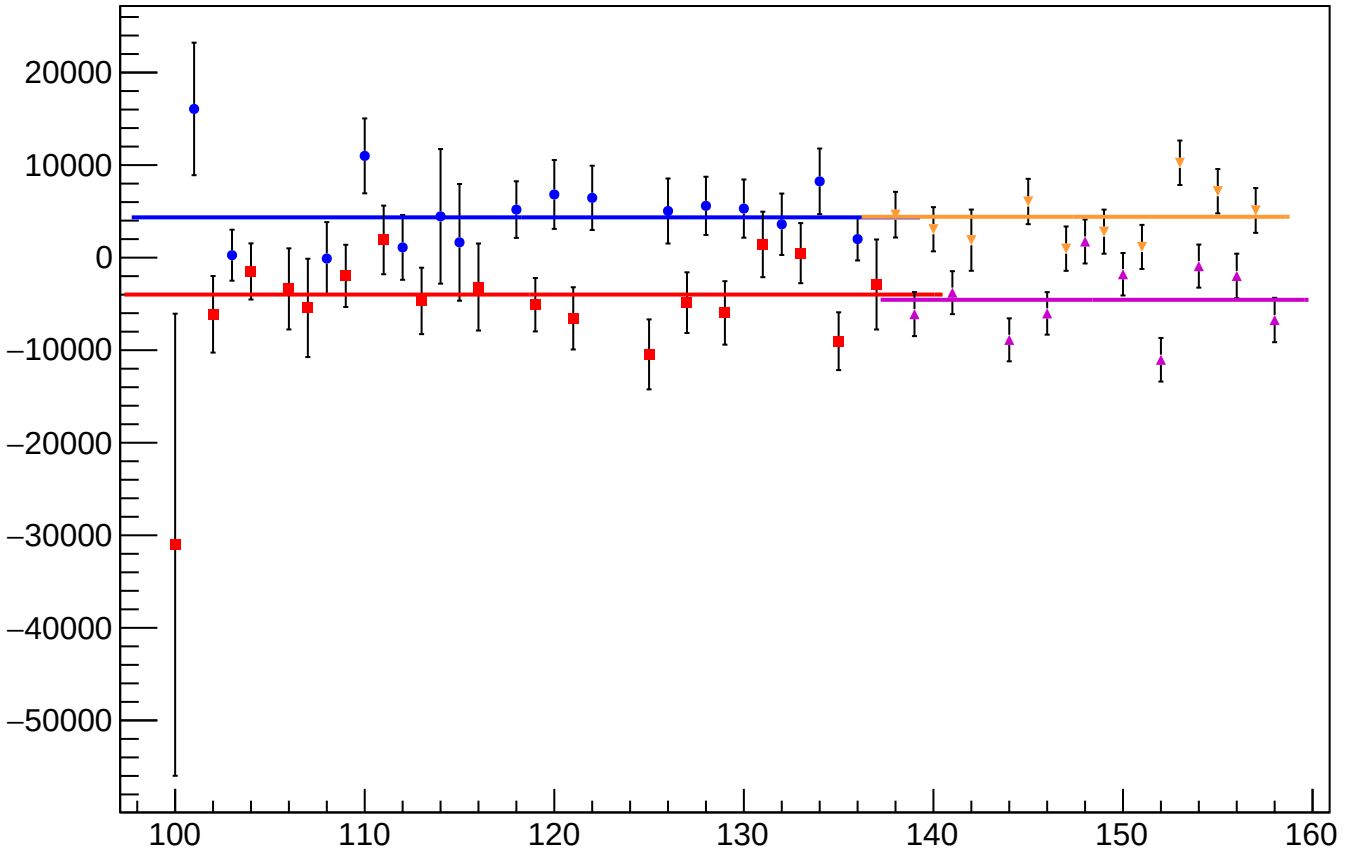
Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1902.228+/-0.471 χ^2/NDF:942694.8/9

+ sign 1809.703+/-0.341 χ^2/NDF: 1613124.2/25

All: 1819.891+/-0.239 χ^2/NDF: 3356913.2/53

- sign 1829.775+/-0.336 χ^2/NDF: 1742030.6/27



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4414.690+/-780.031 χ^2/NDF:13.1/9

Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

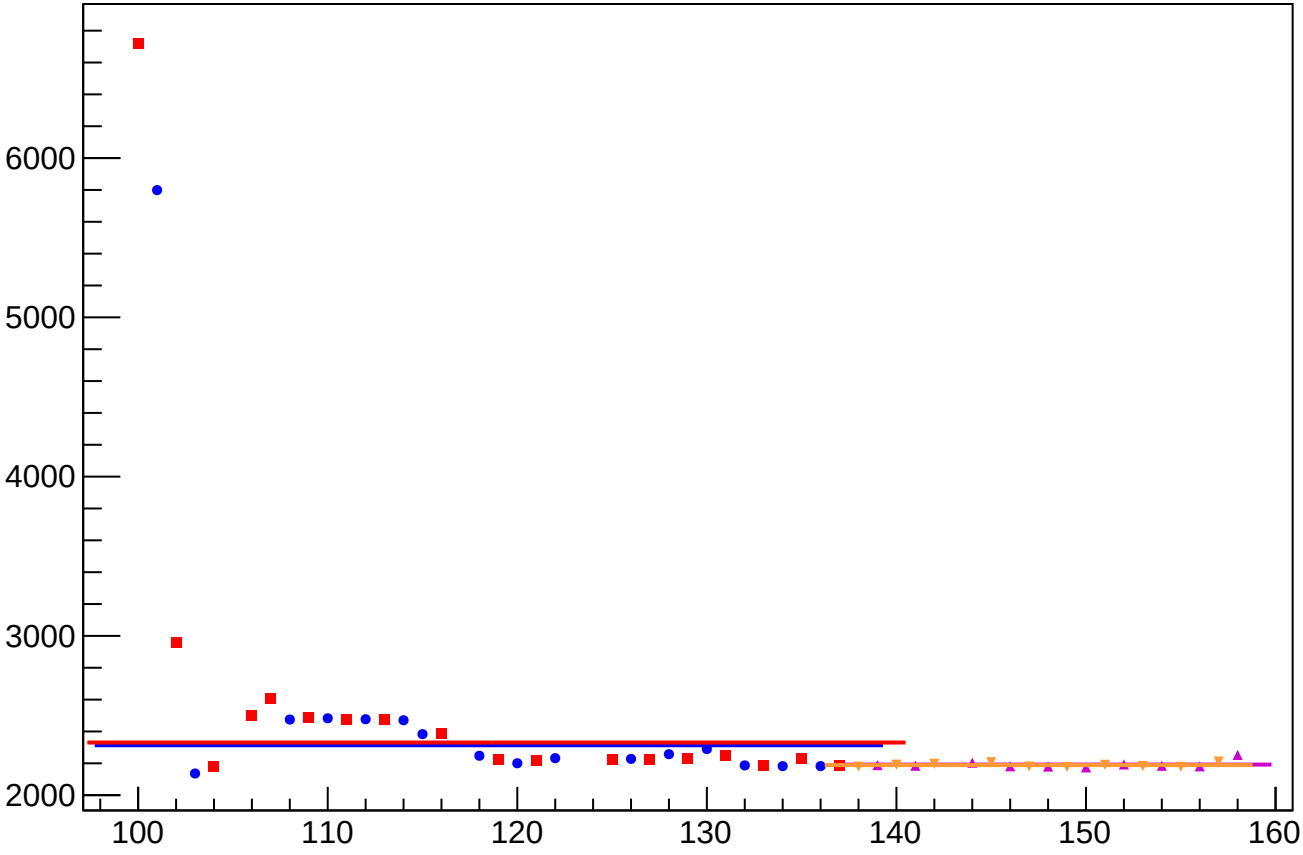
Left In: -4555.581+/-742.162 χ^2/NDF:24.9/9

+ sign 4387.675+/-582.303 χ^2/NDF: 26.4/25

All: -96.108+/-405.504 χ^2/NDF: 182.8/53

- sign -4317.771+/-565.026 χ^2/NDF: 41.3/27

eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2188.920+/-0.552 χ^2/NDF:458.7/9

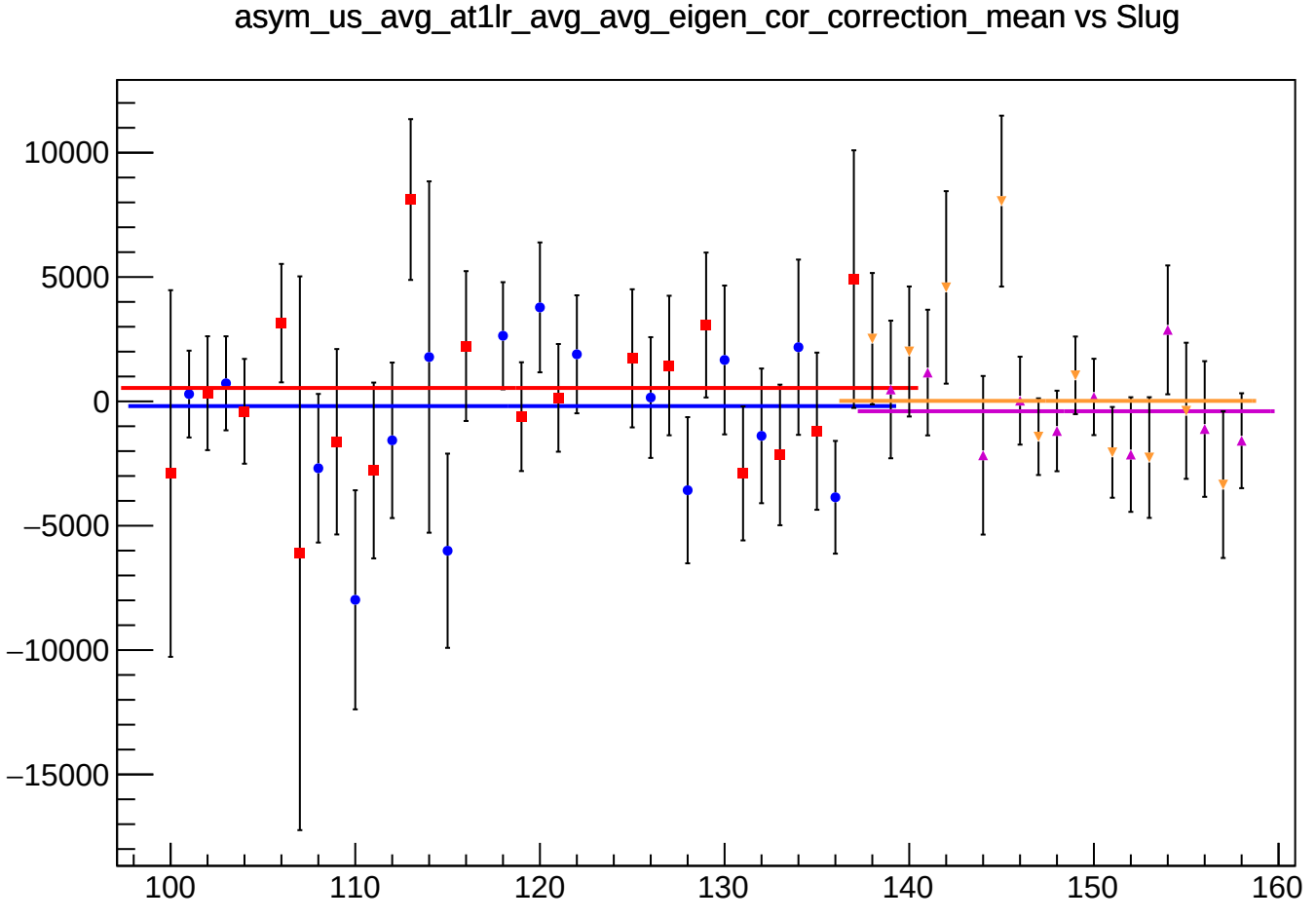
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2192.065+/-0.525 χ^2/NDF:1634.4/9

+ sign 2244.035+/-0.412 χ^2/NDF: 535385.1/25

All: 2247.257+/-0.287 χ^2/NDF: 717977.8/53

- sign 2250.290+/-0.400 χ^2/NDF: 182473.8/27



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: 20.328+/-708.602 χ^2/NDF:13.1/9

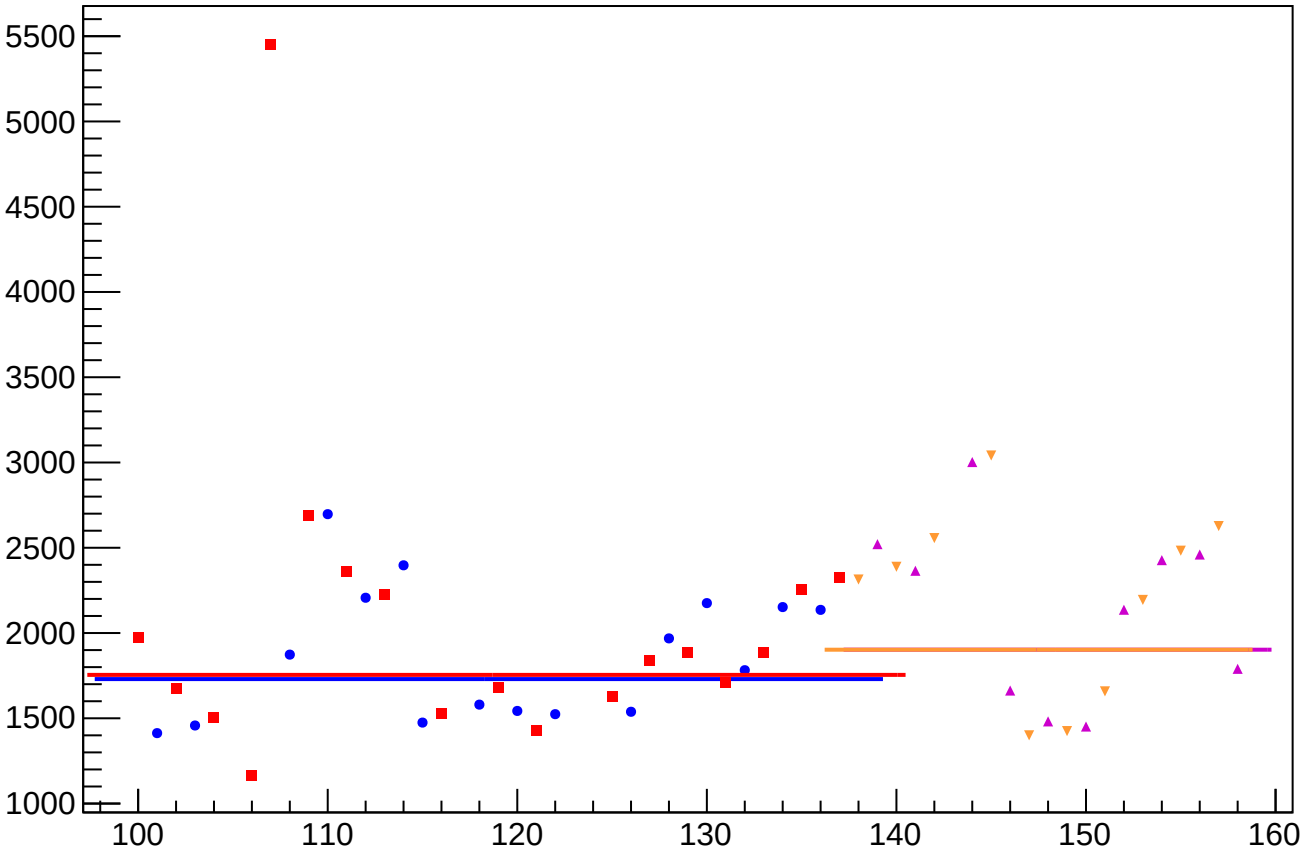
Right Out: 539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: -396.768+/-665.499 χ^2/NDF:3.8/9

\+ sign -92.453+/-482.255 χ^2/NDF: 29.6/25

All: -13.797+/-338.415 χ^2/NDF: 48.4/53

\- sign 62.515+/-475.011 χ^2/NDF: 18.7/27



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1902.197+/-0.501 χ^2/NDF:1069748.1/9

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

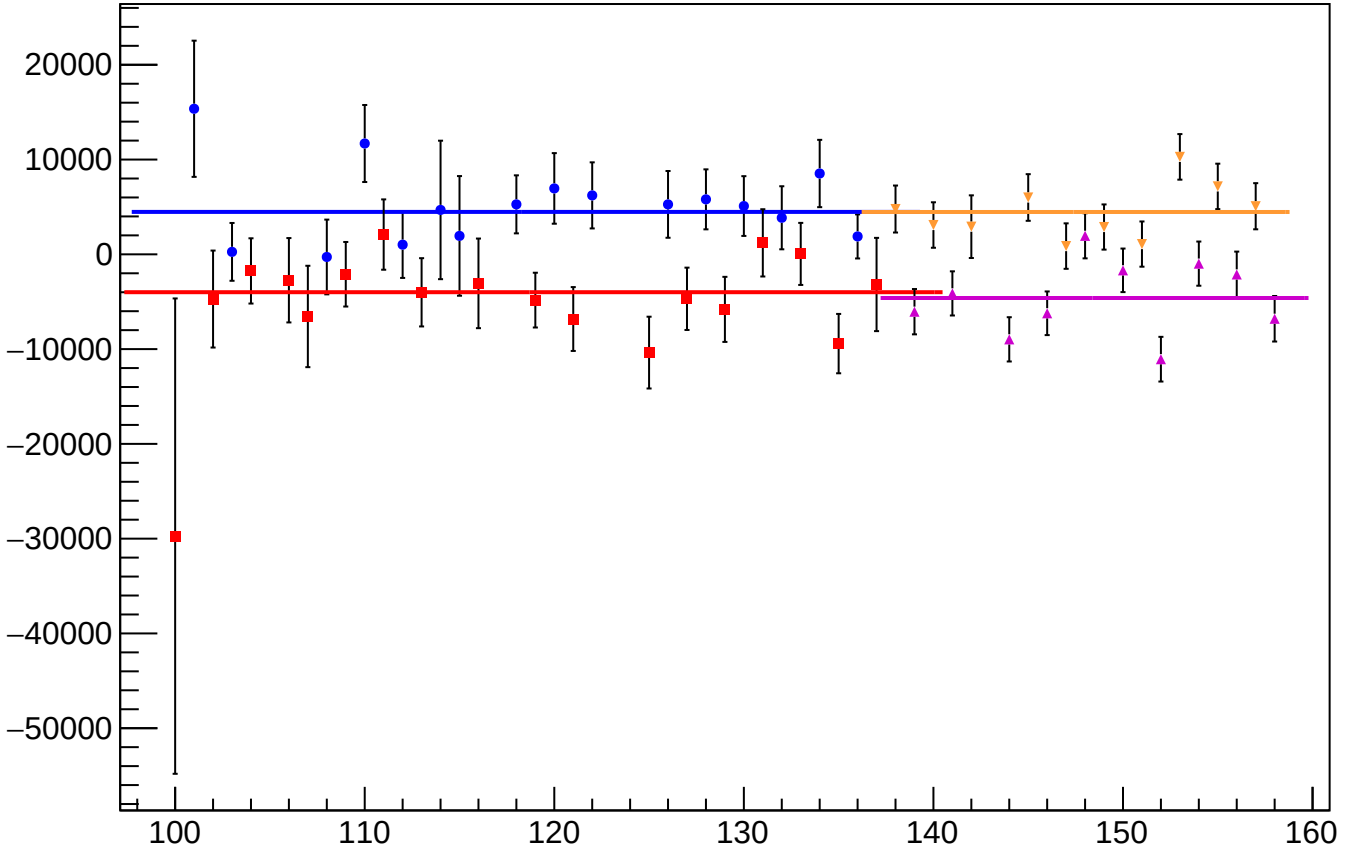
Left In: 1902.228+/-0.471 χ^2/NDF:942694.8/9

+ sign 1809.703+/-0.341 χ^2/NDF: 1613124.2/25

All: 1819.891+/-0.239 χ^2/NDF: 3356913.2/53

- sign 1829.775+/-0.336 χ^2/NDF: 1742030.6/27

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4476.431+/-886.087 χ^2/NDF: 13.5/15

Left Out: 4468.637+/-782.246 χ^2/NDF:12.8/9

Right Out: -3995.807+/-890.441 χ^2/NDF: 15.5/17

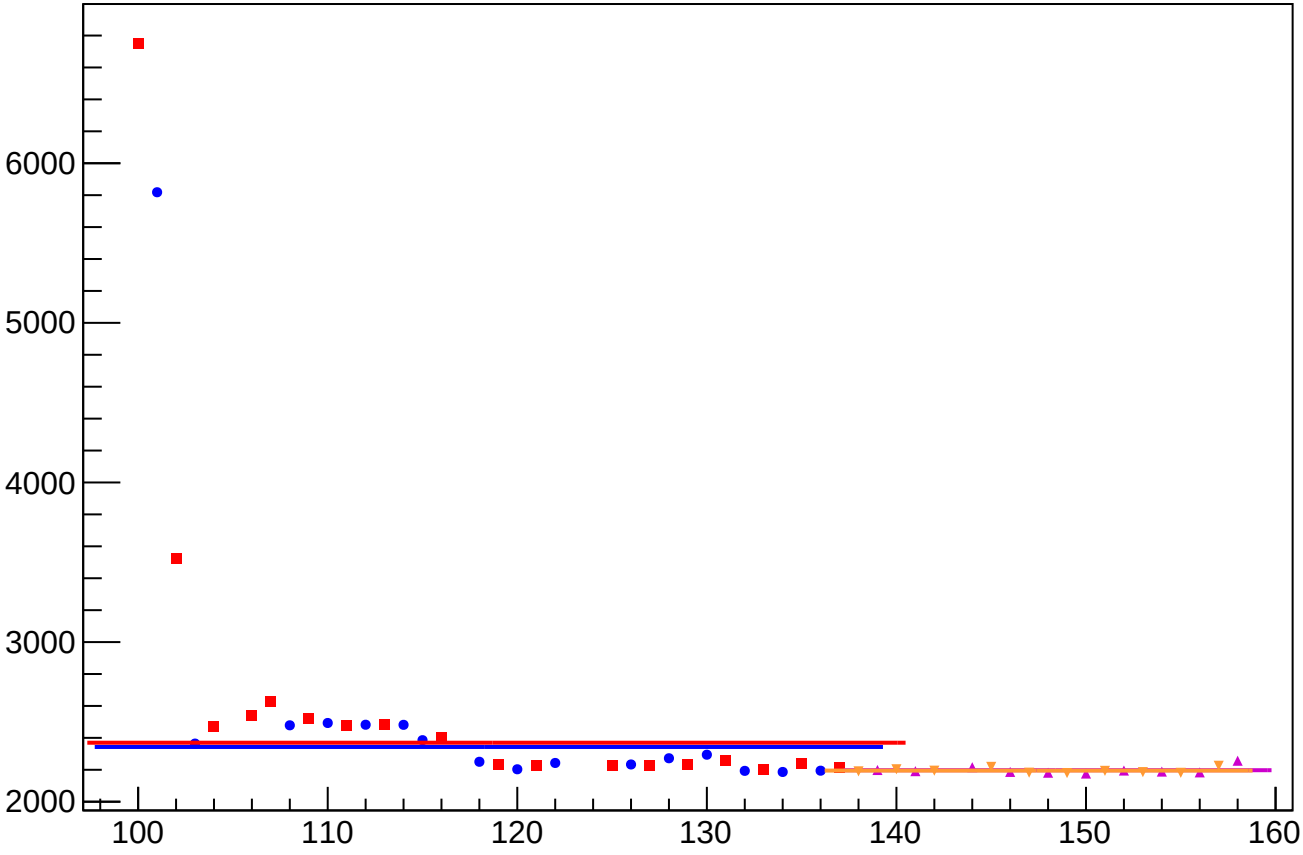
Left In: -4607.656+/-743.977 χ^2/NDF:25.4/9

+ sign 4472.051+/-586.425 χ^2/NDF: 26.4/25

All: -60.241+/-409.075 χ^2/NDF: 183.9/53

- sign -4356.124+/-570.926 χ^2/NDF: 41.2/27

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2194.999+/-0.553 χ^2/NDF:762.7/9

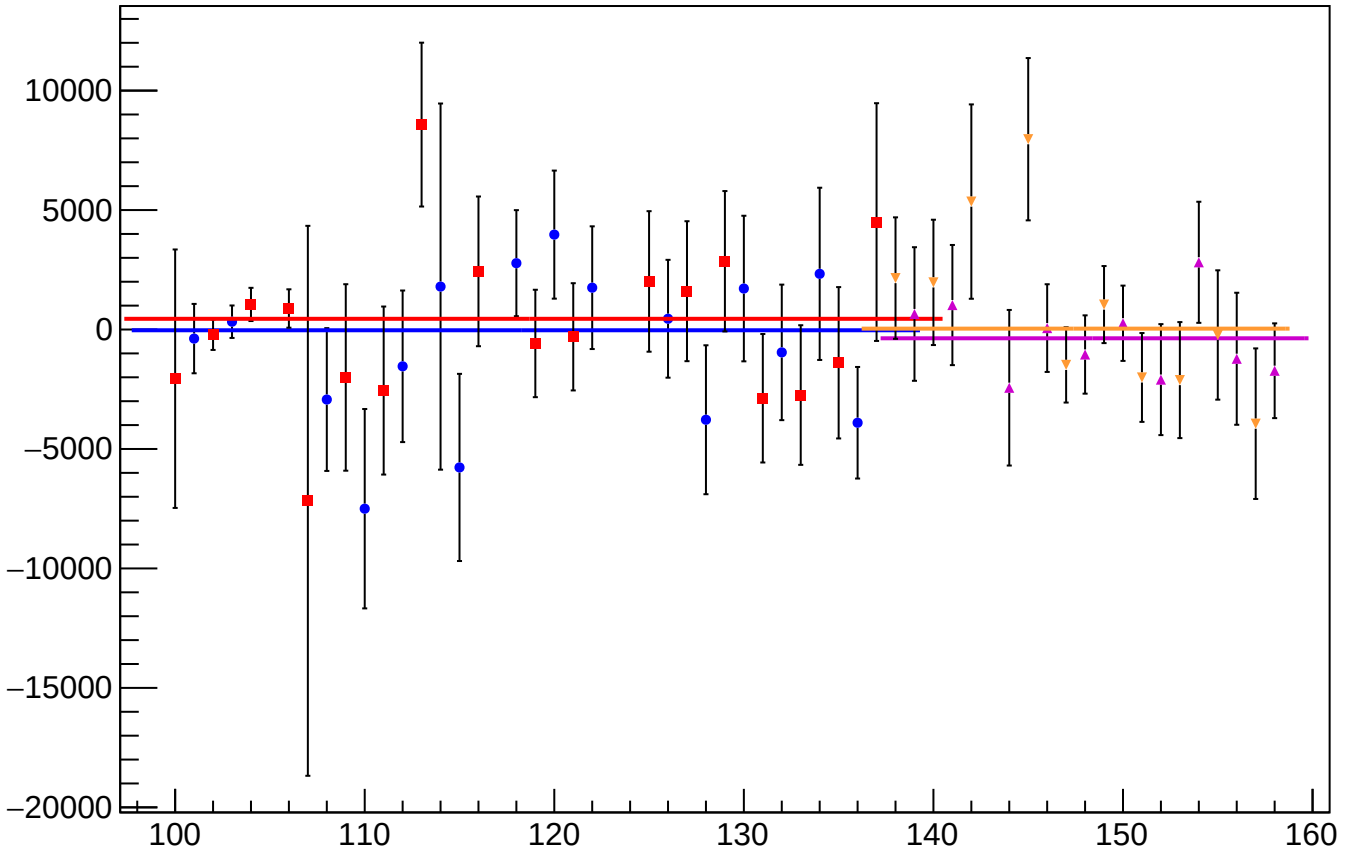
Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2197.337+/-0.526 χ^2/NDF:1752.1/9

+ sign 2259.785+/-0.415 χ^2/NDF: 534950.4/25

All: 2264.076+/-0.289 χ^2/NDF: 791124.8/53

- sign 2268.144+/-0.404 χ^2/NDF: 255965.8/27



Right In: -31.393+/-485.329 χ^2/NDF: 16.3/15

Left Out: 37.120+/-719.778 χ^2/NDF:13.3/9

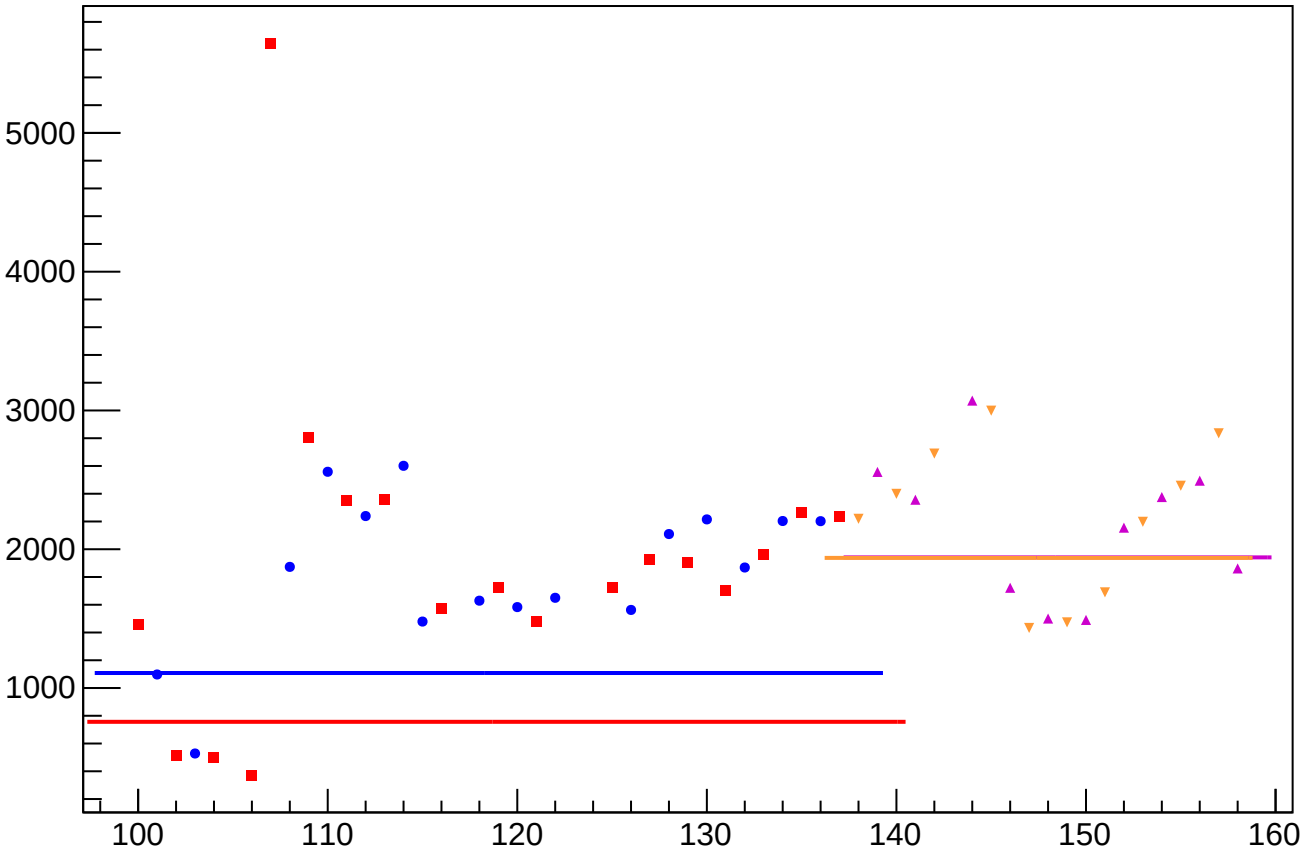
Right Out: 448.261+/-362.570 χ^2/NDF: 15.1/17

Left In: -367.395+/-677.481 χ^2/NDF:3.9/9

\+ sign -9.980+/-402.399 χ^2/NDF: 29.6/25

All: 159.625+/-250.302 χ^2/NDF: 50.1/53

\- sign 266.661+/-319.670 χ^2/NDF: 20.1/27



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 1937.621+/-0.509 χ^2/NDF:1015749.5/9

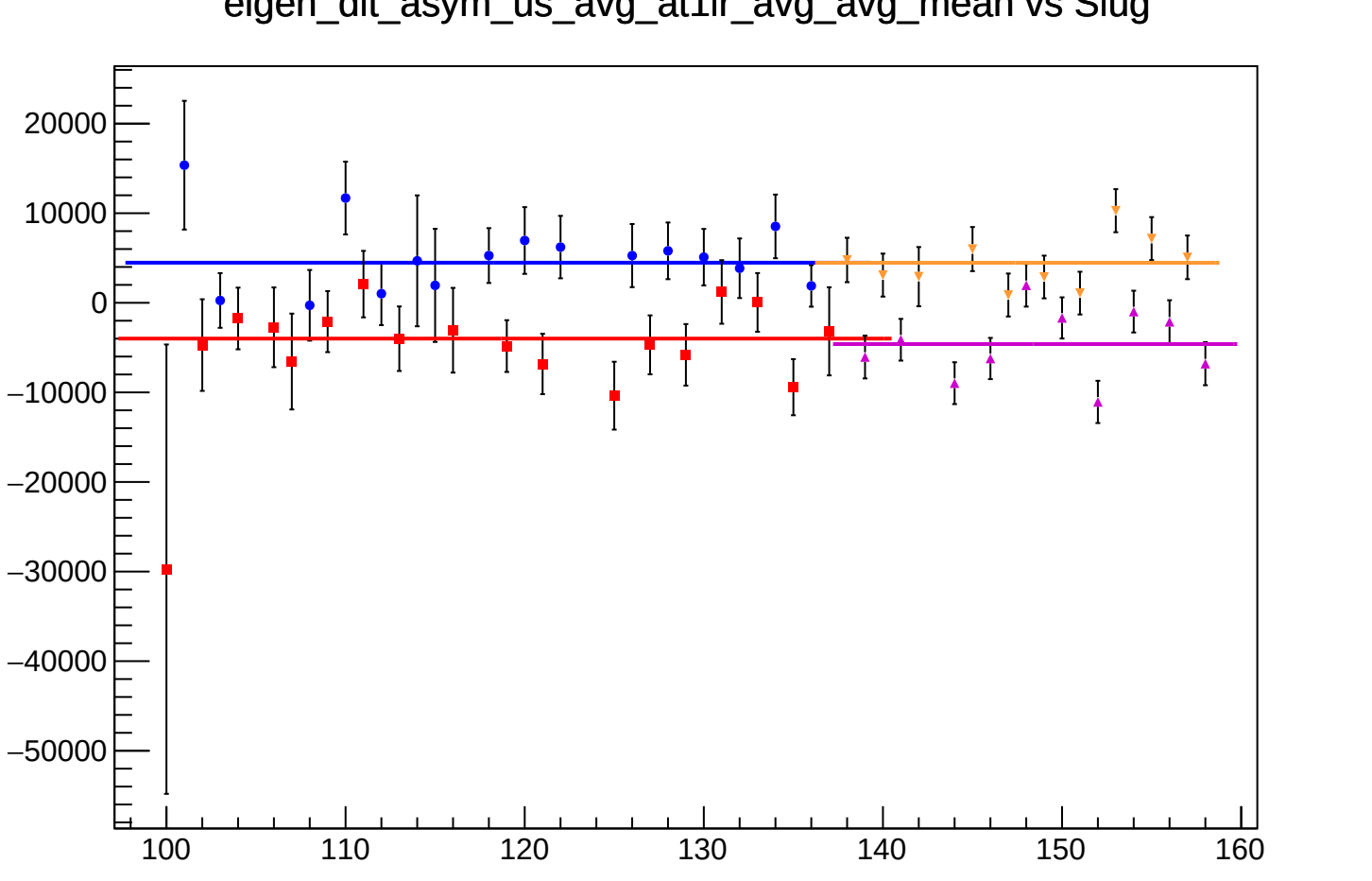
Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 1941.341+/-0.479 χ^2/NDF:888293.5/9

+ sign 1367.392+/-0.285 χ^2/NDF: 6588173.9/25

All: 1154.554+/-0.177 χ^2/NDF: 18748237.3/5

- sign 1020.234+/-0.226 χ^2/NDF: 11247438.2/27



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 4468.637+/-782.246 χ^2/NDF:12.8/9

Right Out: -3995.803+/-890.441 χ^2/NDF: 15.5/17

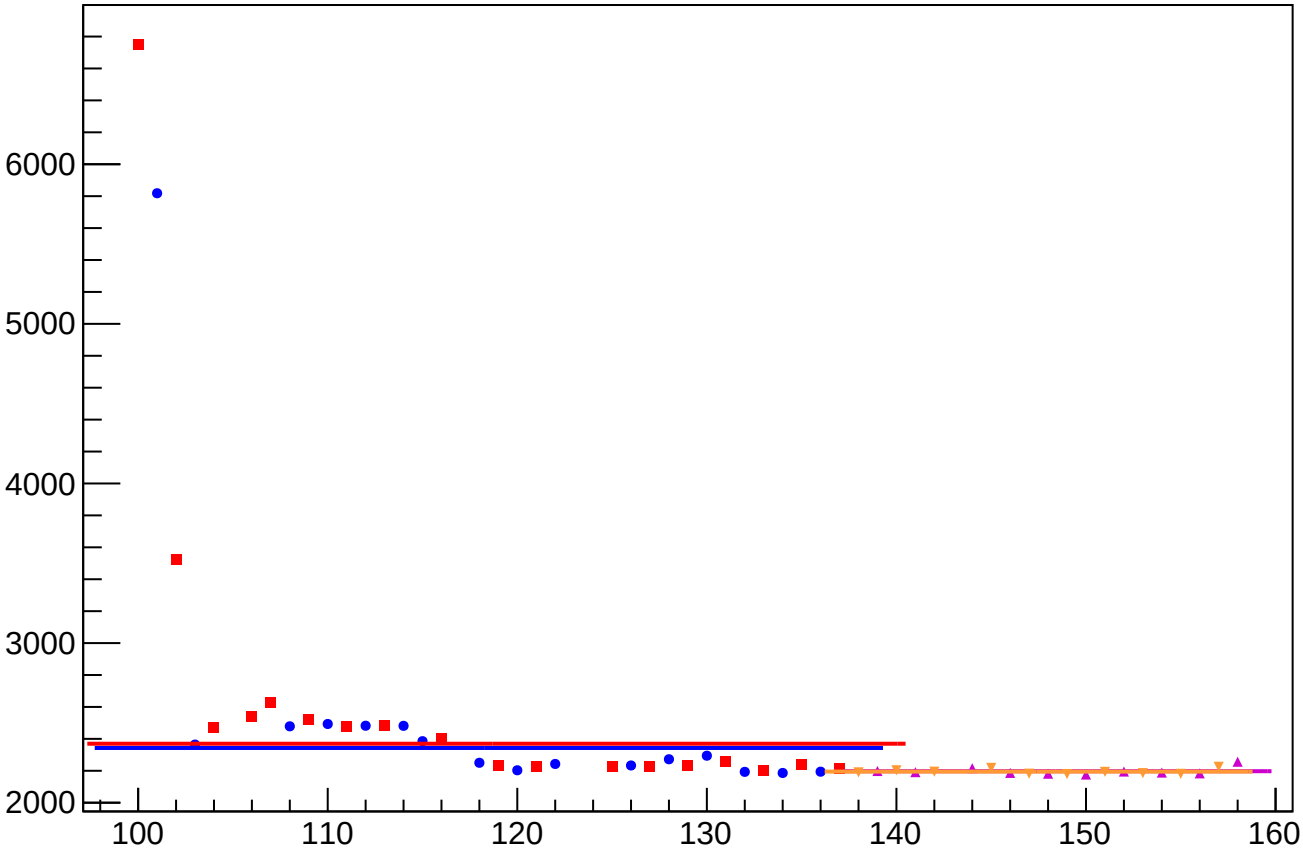
Left In: -4607.657+/-743.977 χ^2/NDF:25.4/9

+ sign 4472.049+/-586.425 χ^2/NDF: 26.4/25

All: -60.241+/-409.075 χ^2/NDF: 183.9/53

- sign -4356.123+/-570.926 χ^2/NDF: 41.2/27

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2342.913+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2194.999+/-0.553 χ^2/NDF:762.7/9

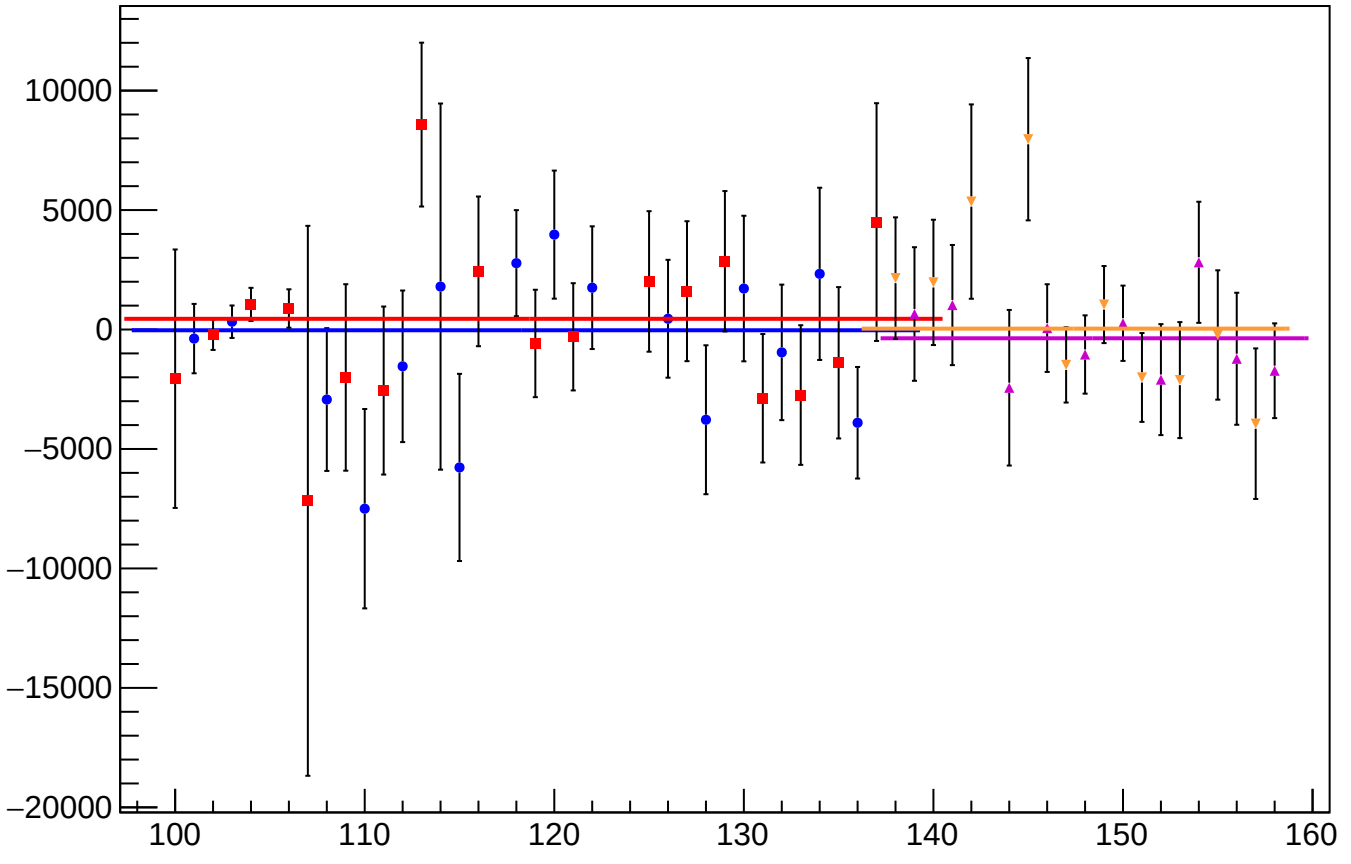
Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2197.337+/-0.526 χ^2/NDF:1752.1/9

+ sign 2259.785+/-0.415 χ^2/NDF: 534950.2/25

All: 2264.076+/-0.289 χ^2/NDF: 791123.2/53

- sign 2268.143+/-0.404 χ^2/NDF: 255964.5/27



Right In: -31.400+/-485.331 χ^2/NDF: 16.3/15

Left Out: 37.115+/-719.780 χ^2/NDF:13.3/9

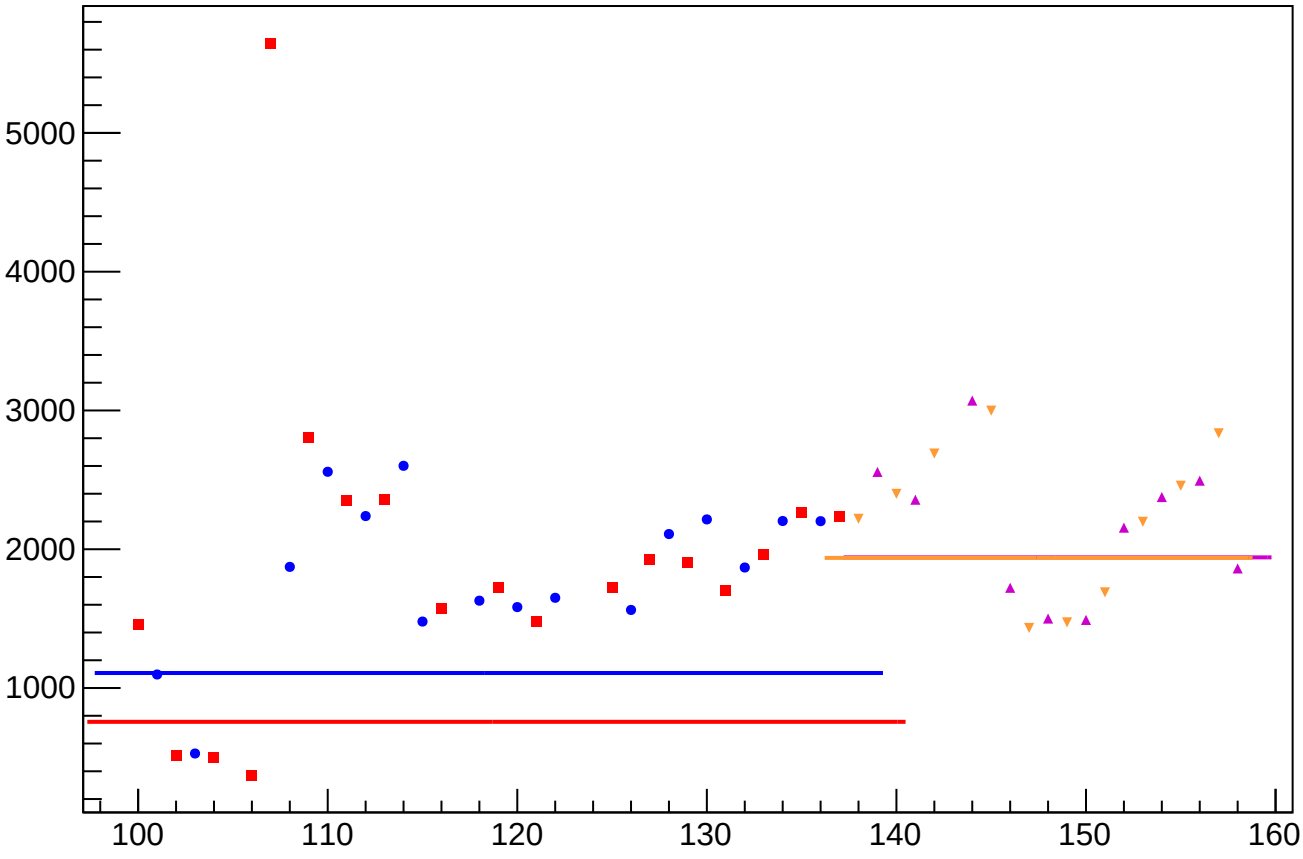
Right Out: 448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: -367.397+/-677.483 χ^2/NDF:3.9/9

\+ sign -9.985+/-402.401 χ^2/NDF: 29.6/25

All: 159.621+/-250.304 χ^2/NDF: 50.1/53

\- sign 266.660+/-319.674 χ^2/NDF: 20.1/27



Right In: 1108.149+/-0.343 χ^2/NDF: 3746402.0/15

Left Out: 1937.624+/-0.509 χ^2/NDF:1015749.4/9

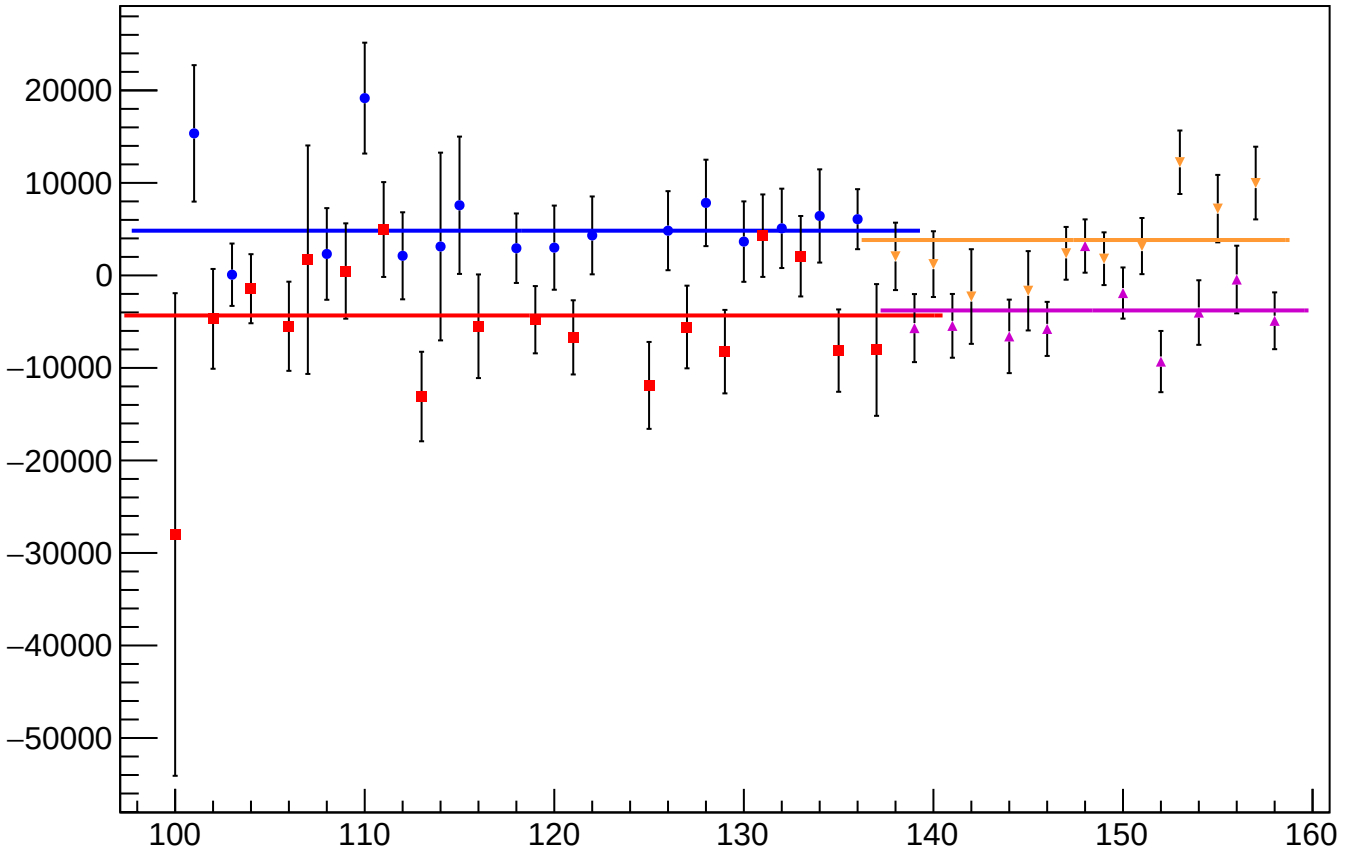
Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

Left In: 1941.345+/-0.479 χ^2/NDF:888292.7/9

+ sign 1367.401+/-0.285 χ^2/NDF: 6588059.7/25

All: 1154.569+/-0.177 χ^2/NDF: 18747815.5/5

- sign 1020.251+/-0.226 χ^2/NDF: 11247185.1/27



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 3826.394+/-1099.847 χ^2/NDF:14.0/9

Right Out: -4328.601+/-1144.541 χ^2/NDF: 19.9/17

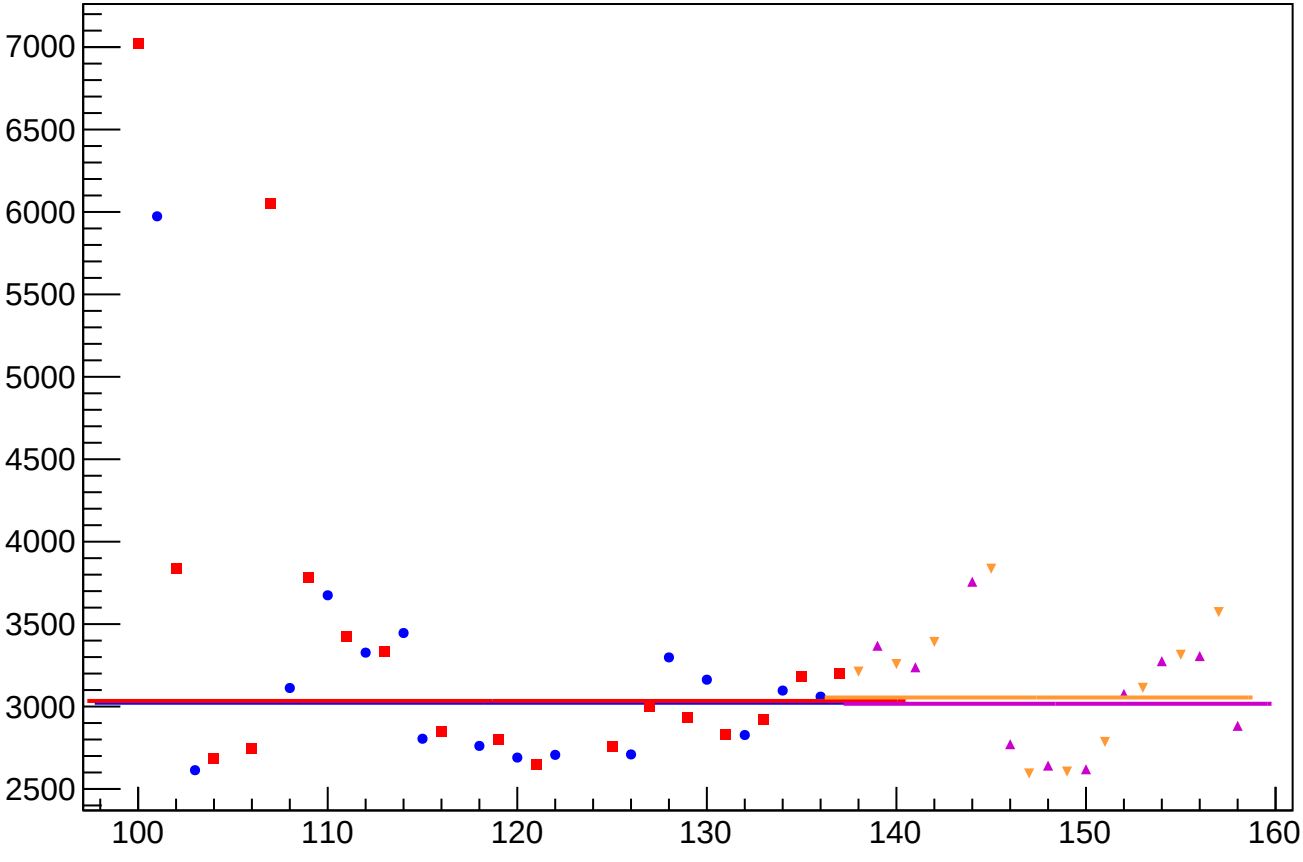
Left In: -3786.209+/-1029.112 χ^2/NDF:11.5/9

+ sign 4310.929+/-792.371 χ^2/NDF: 26.0/25

All: -4.002+/-550.454 χ^2/NDF: 114.9/53

- sign -4028.683+/-765.257 χ^2/NDF: 31.6/27

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 3054.862+/-0.778 χ^2/NDF:248426.6/9

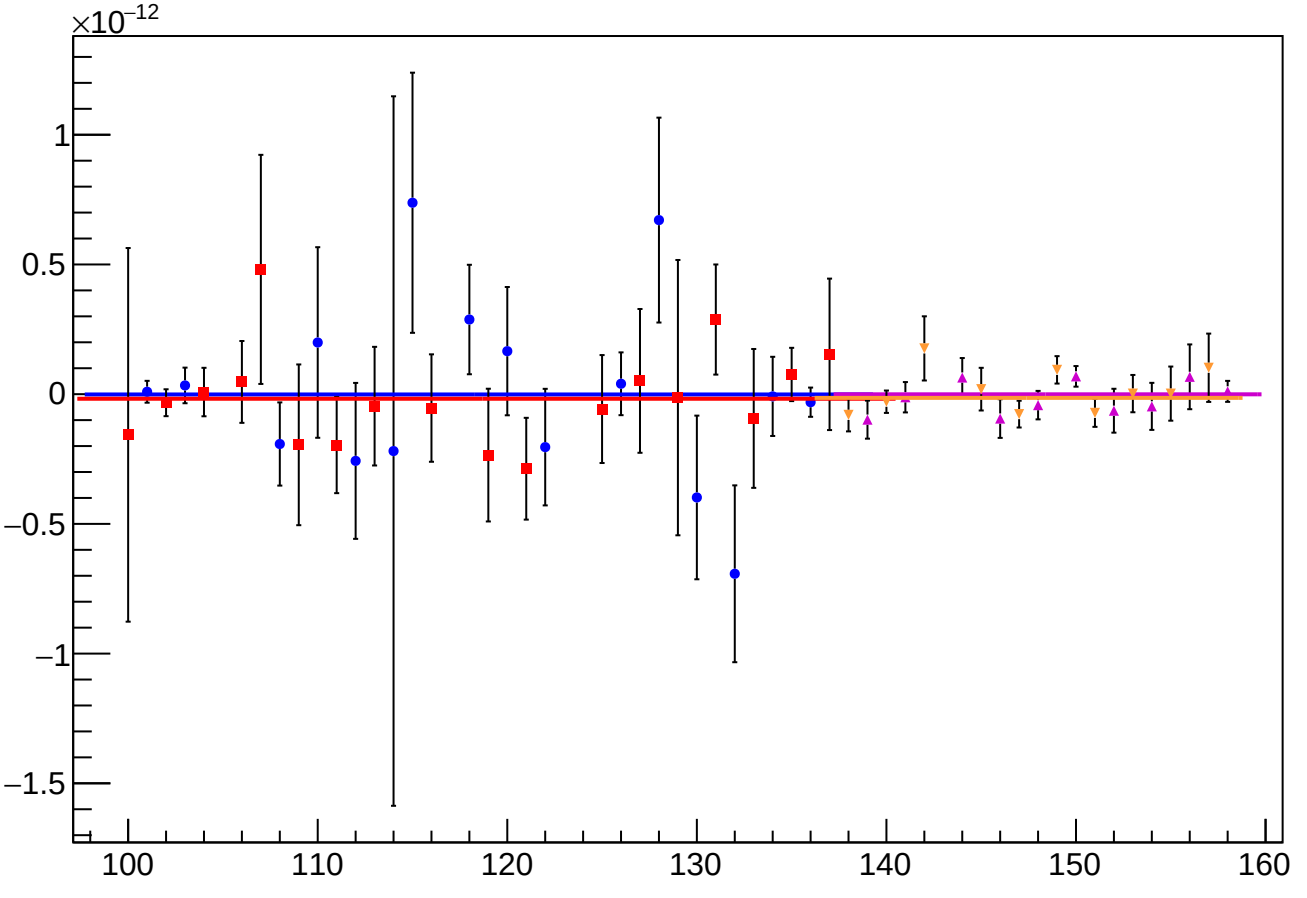
Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3016.792+/-0.728 χ^2/NDF:213236.0/9

+ sign 3039.570+/-0.560 χ^2/NDF: 692936.2/25

All: 3031.735+/-0.389 χ^2/NDF: 1249471.1/53

- sign 3024.426+/-0.541 χ^2/NDF: 556156.9/27



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.4/9

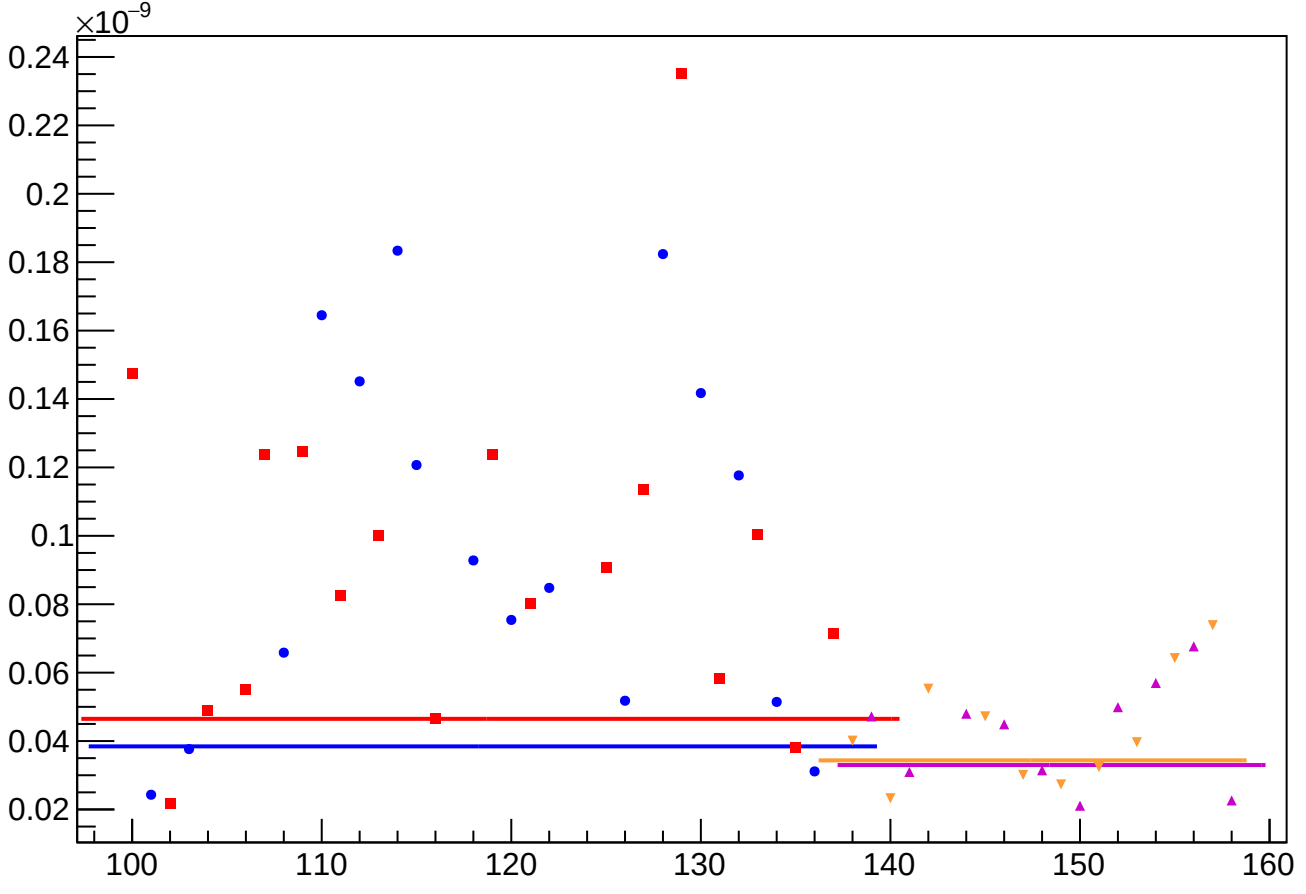
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: -0.000+/-0.000 χ^2/NDF:8.9/9

+ sign -0.000+/-0.000 χ^2/NDF: 28.6/25

All: -0.000+/-0.000 χ^2/NDF: 46.8/53

- sign -0.000+/-0.000 χ^2/NDF: 18.1/27



Right In: 0.000+/-0.000 χ^2/NDF: 1771405.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:661320.5/9

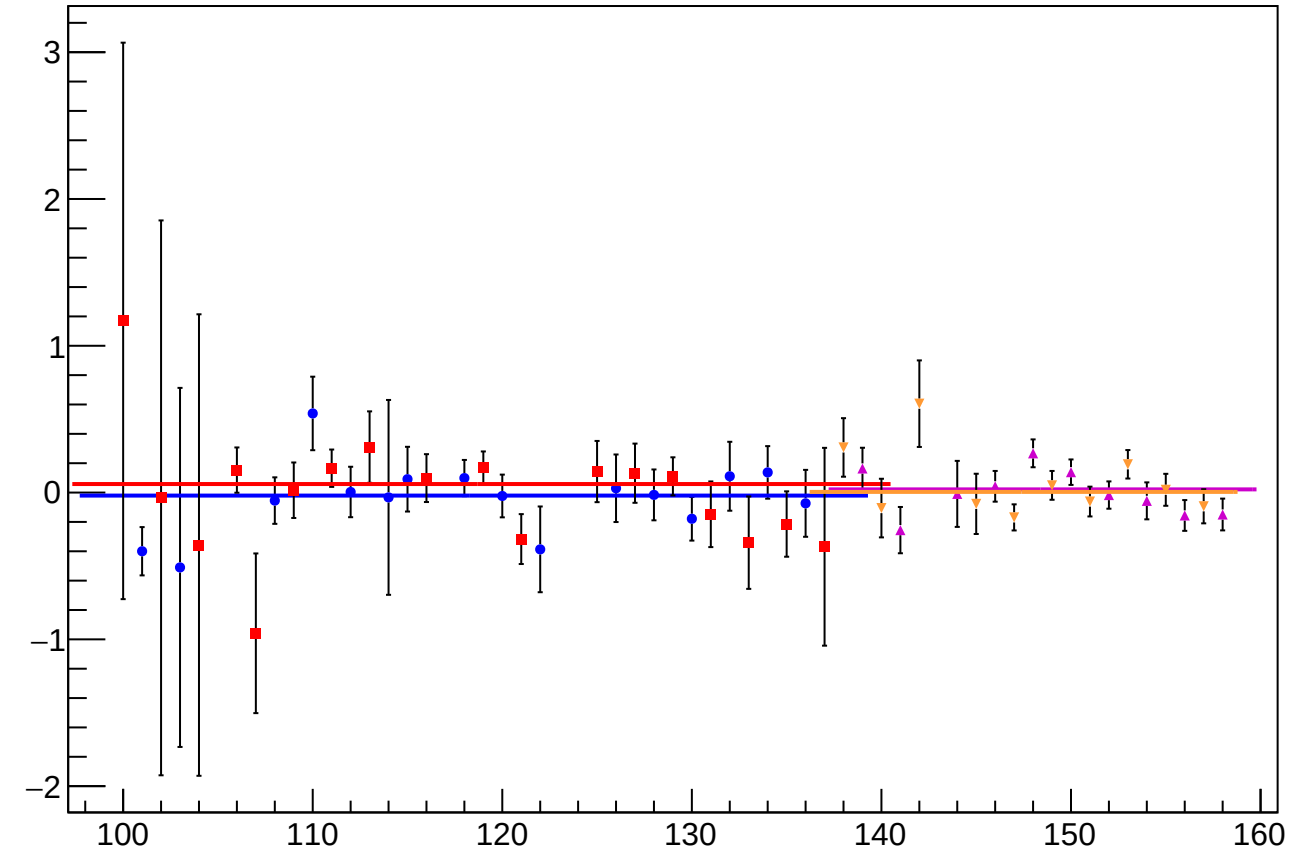
Right Out: 0.000+/-0.000 χ^2/NDF: 1697135.5/17

Left In: 0.000+/-0.000 χ^2/NDF:894805.1/9

\+ sign 0.000+/-0.000 χ^2/NDF: 2461708.9/25

All: 0.000+/-0.000 χ^2/NDF: 5288463.8/53

\- sign 0.000+/-0.000 χ^2/NDF: 2826325.6/27



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: 0.005+/-0.038 χ^2/NDF:15.9/9

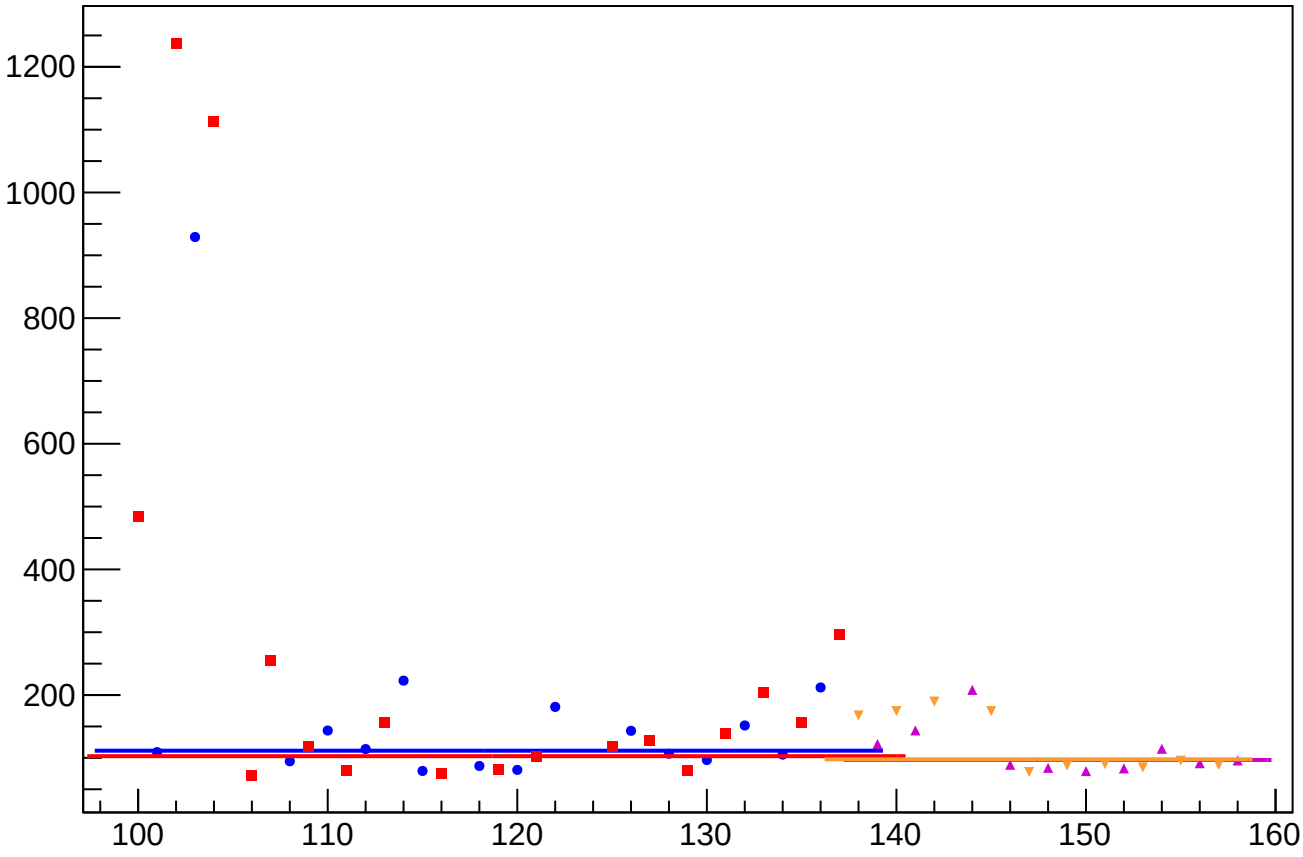
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.022+/-0.035 χ^2/NDF:18.6/9

\+ sign -0.005+/-0.030 χ^2/NDF: 31.6/25

All: 0.016+/-0.020 χ^2/NDF: 68.5/53

\- sign 0.035+/-0.028 χ^2/NDF: 35.9/27



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 97.682+/-0.027 χ^2/NDF:1196468.7/9

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

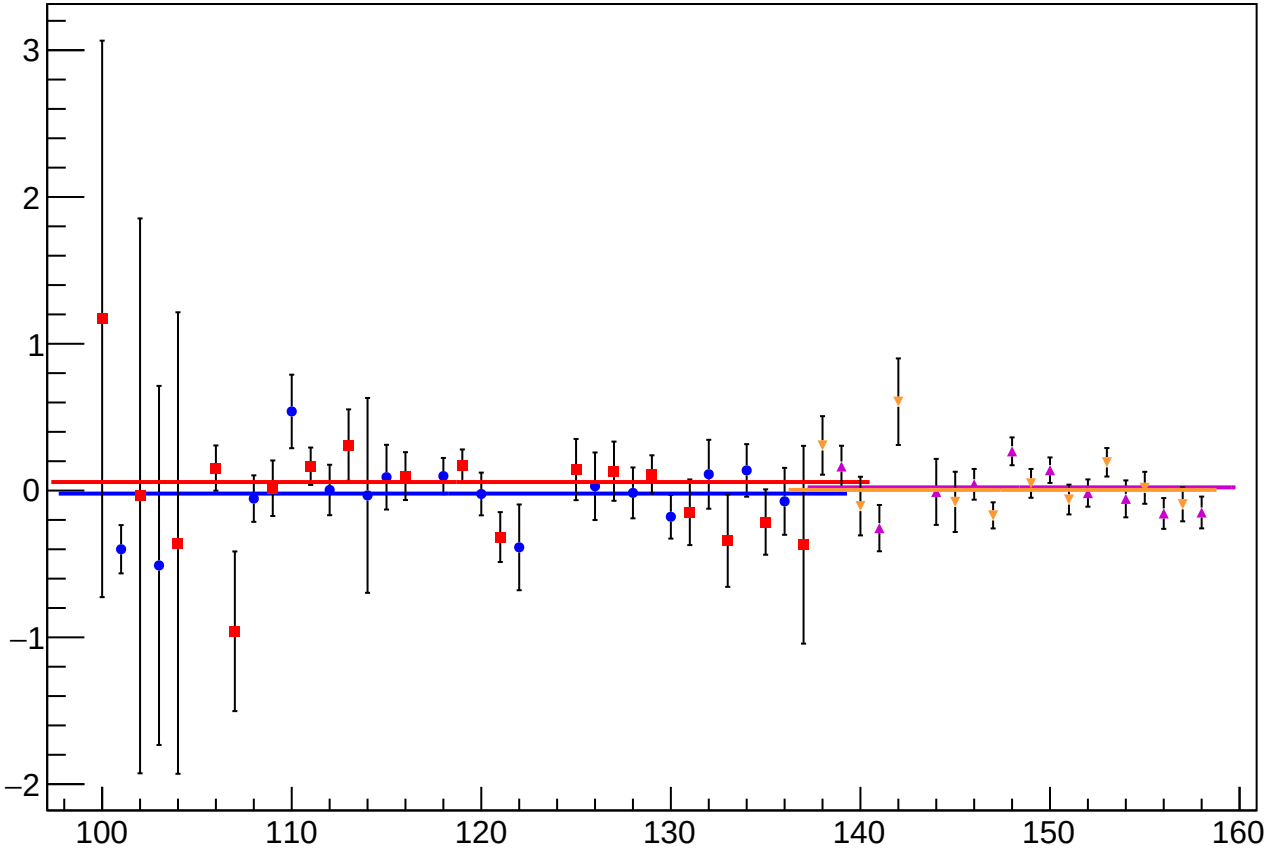
Left In: 96.654+/-0.025 χ^2/NDF:949979.9/9

+ sign 103.092+/-0.021 χ^2/NDF: 3136436.8/25

All: 100.848+/-0.014 χ^2/NDF: 6955783.2/53

- sign 98.864+/-0.020 χ^2/NDF: 3798124.6/27

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: 0.005+/-0.038 χ^2/NDF:15.9/9

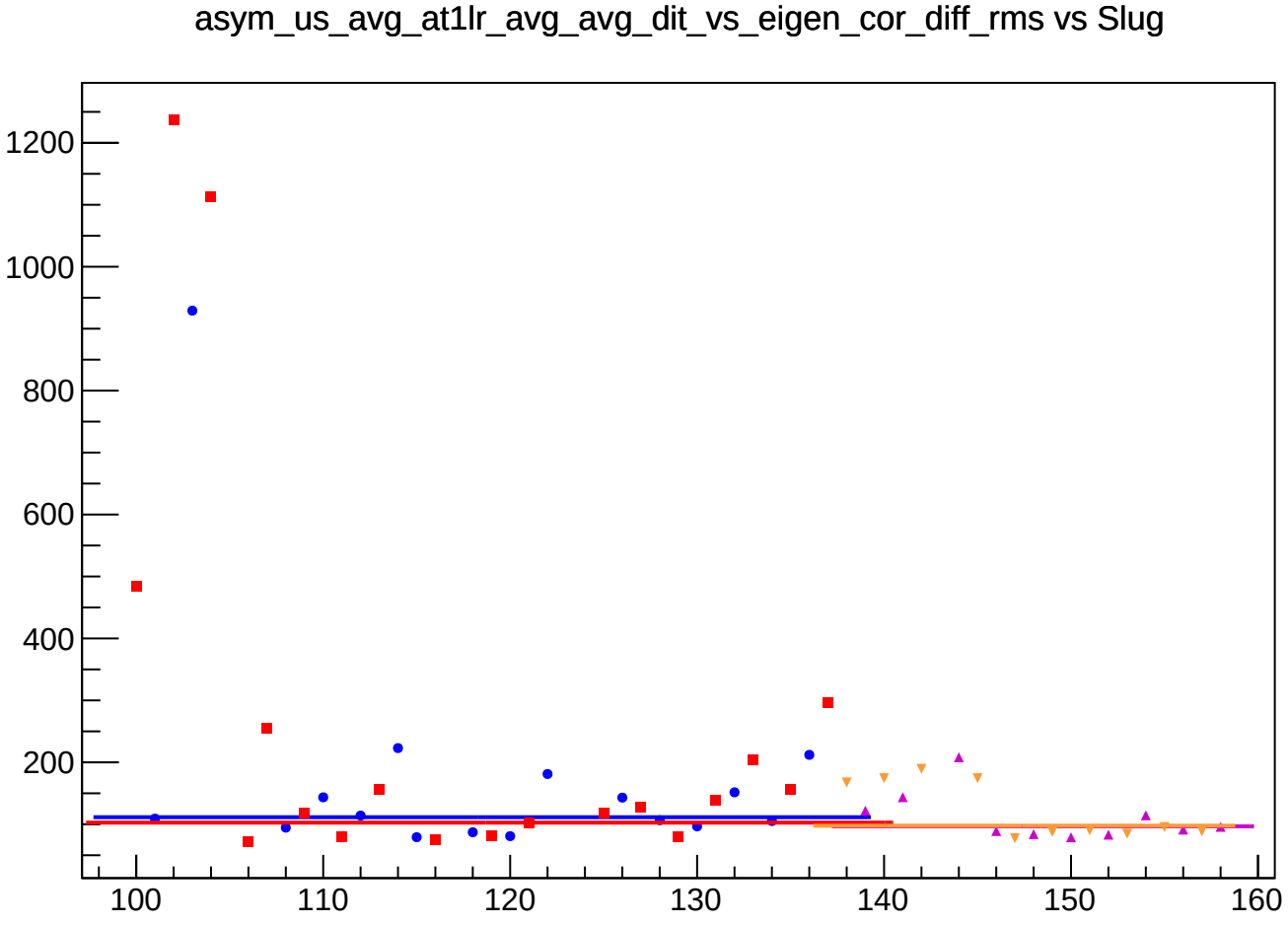
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

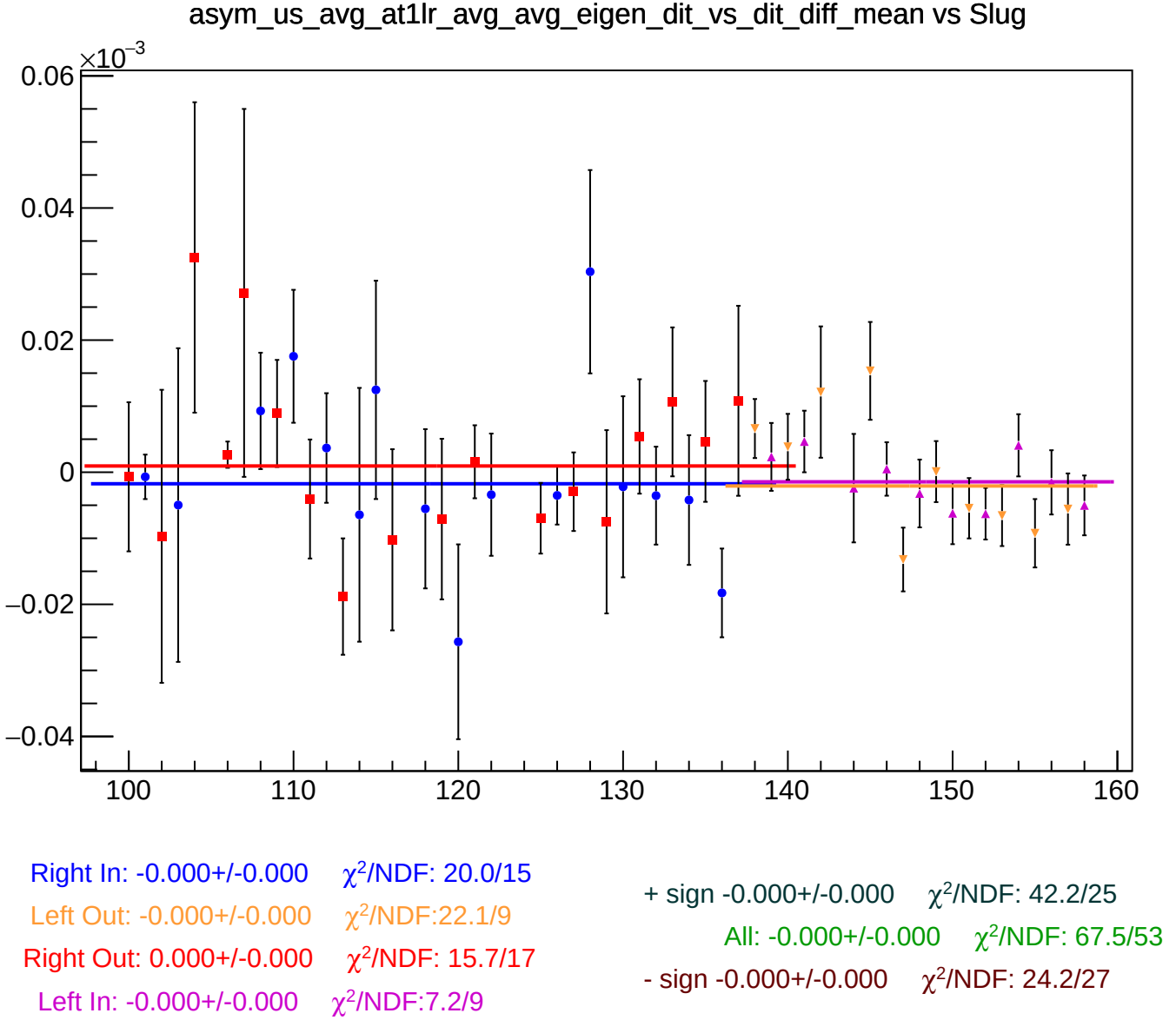
Left In: 0.022+/-0.035 χ^2/NDF:18.6/9

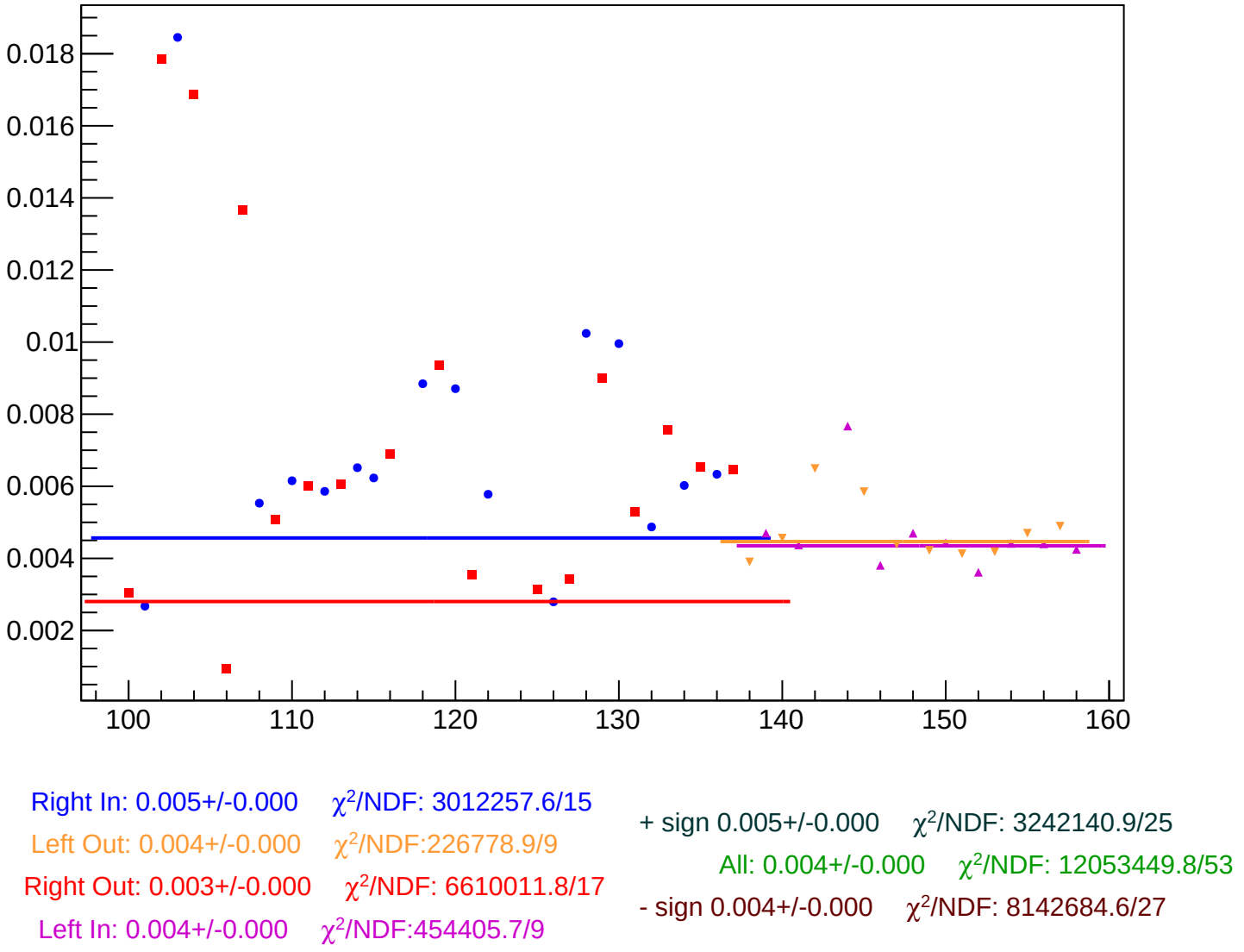
+ sign -0.005+/-0.030 χ^2/NDF: 31.6/25

All: 0.016+/-0.020 χ^2/NDF: 68.5/53

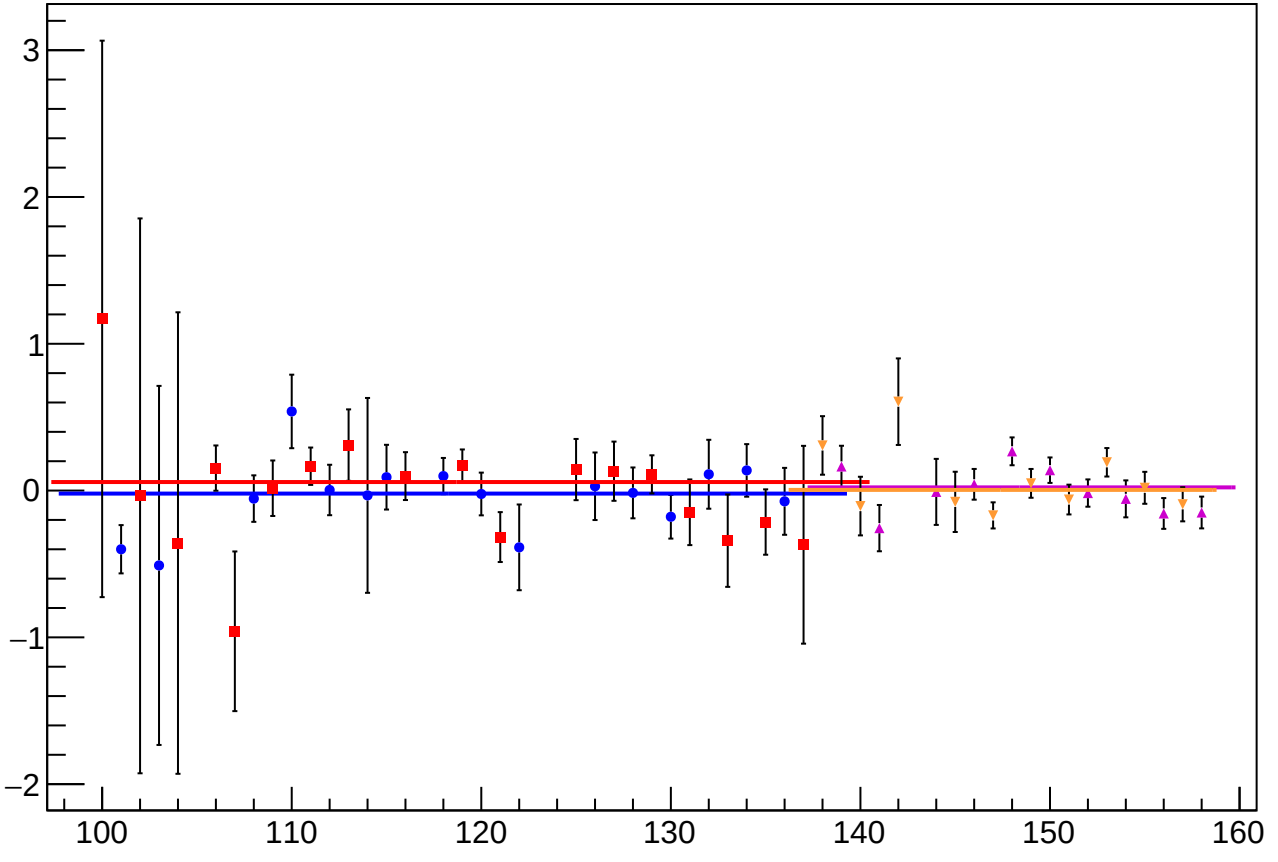
- sign 0.035+/-0.028 χ^2/NDF: 35.9/27


asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
110
120
130
140
150
160
Right In: 111.407+/-0.034 χ²/NDF: 1839361.2/15
Left Out: 97.682+/-0.027 χ²/NDF:1196468.7/9
Right Out: 102.673+/-0.033 χ²/NDF: 2826852.7/17
Left In: 96.654+/-0.025 χ²/NDF:949979.9/9
+ sign 103.092+/-0.021 χ²/NDF: 3136436.8/25
All: 100.848+/-0.014 χ²/NDF: 6955783.2/53
- sign 98.864+/-0.020 χ²/NDF: 3798124.6/27


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 20.0/15
Left Out: -0.000+/-0.000 χ²/NDF:22.1/9
Right Out: 0.000+/-0.000 χ²/NDF: 15.7/17
Left In: -0.000+/-0.000 χ²/NDF:7.2/9
+ sign -0.000+/-0.000 χ²/NDF: 42.2/25
All: -0.000+/-0.000 χ²/NDF: 67.5/53
- sign -0.000+/-0.000 χ²/NDF: 24.2/27


asym_us_avg_at1lr_avg_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
110
120
130
140
150
160
Right In: 0.005+/-0.000 χ²/NDF: 3012257.6/15
Left Out: 0.004+/-0.000 χ²/NDF:226778.9/9
Right Out: 0.003+/-0.000 χ²/NDF: 6610011.8/17
Left In: 0.004+/-0.000 χ²/NDF:454405.7/9
+ sign 0.005+/-0.000 χ²/NDF: 3242140.9/25
All: 0.004+/-0.000 χ²/NDF: 12053449.8/53
- sign 0.004+/-0.000 χ²/NDF: 8142684.6/27

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: 0.005+/-0.038 χ^2/NDF:15.9/9

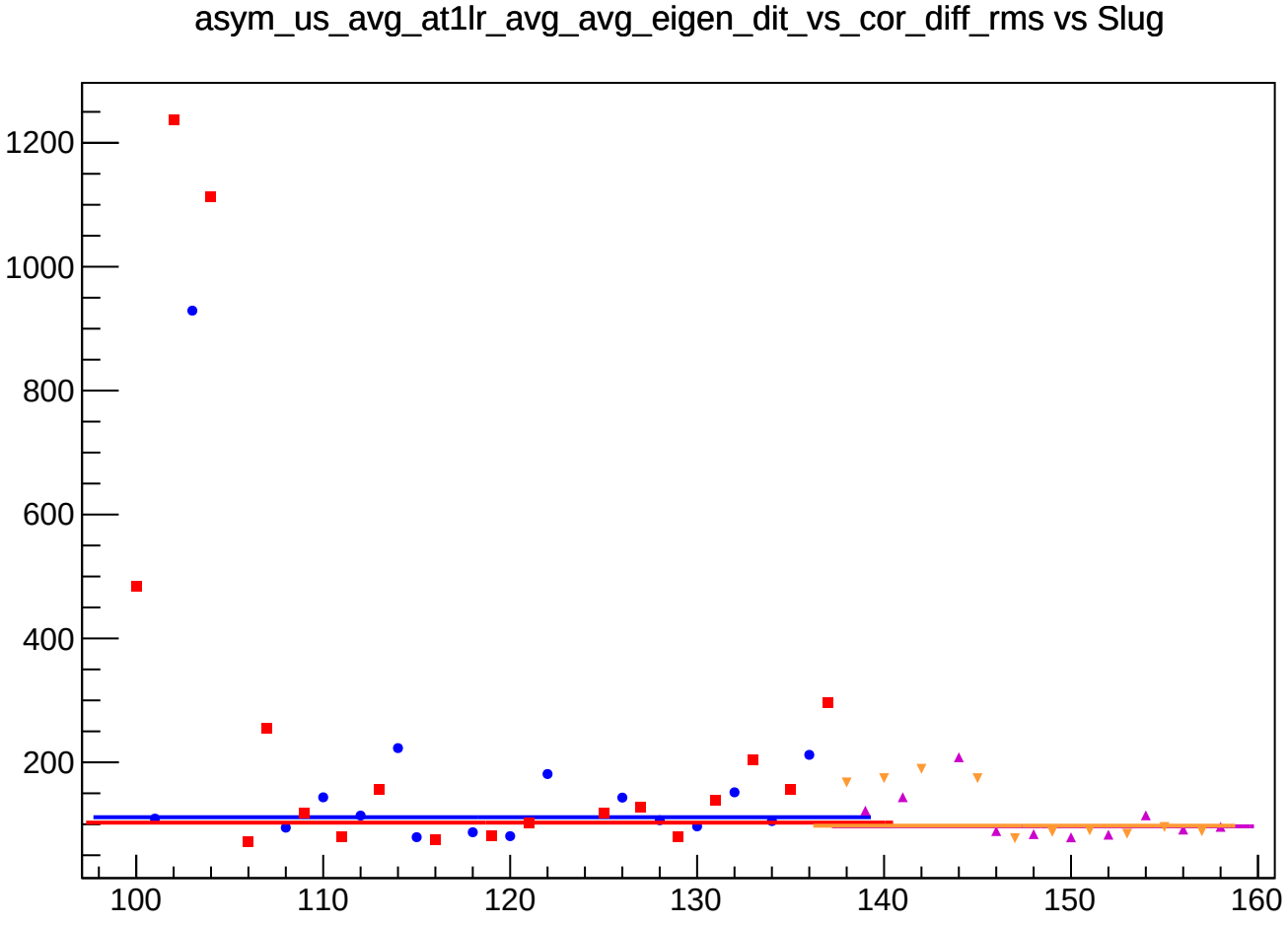
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.022+/-0.035 χ^2/NDF:18.6/9

+ sign -0.005+/-0.030 χ^2/NDF: 31.6/25

All: 0.016+/-0.020 χ^2/NDF: 68.5/53

- sign 0.035+/-0.028 χ^2/NDF: 35.9/27



Right In: 111.404+/-0.034 χ^2/NDF: 1839407.3/15

Left Out: 97.683+/-0.027 χ^2/NDF:1196452.4/9

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

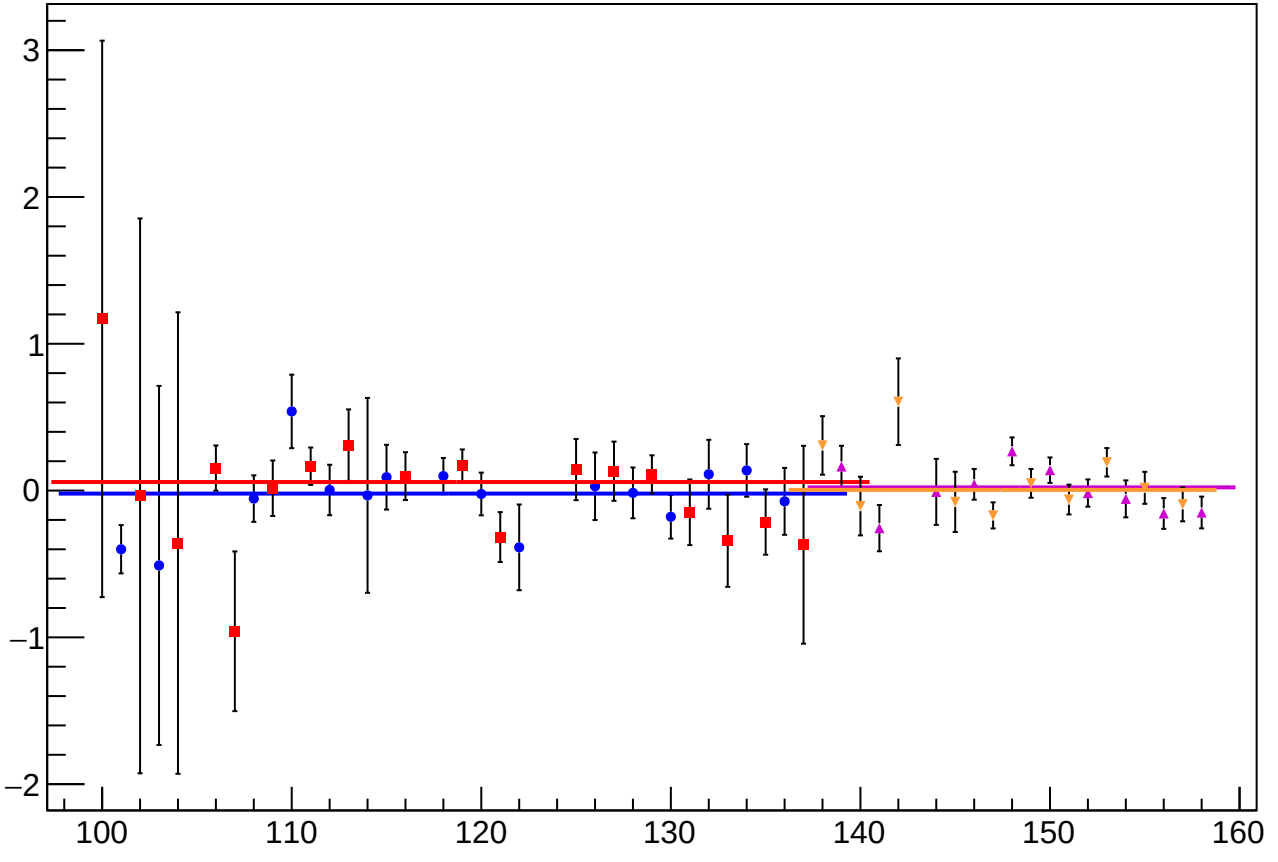
Left In: 96.655+/-0.025 χ^2/NDF:949966.8/9

+ sign 103.091+/-0.021 χ^2/NDF: 3136427.6/25

All: 100.847+/-0.014 χ^2/NDF: 6955736.6/53

- sign 98.864+/-0.020 χ^2/NDF: 3798093.1/27

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: 0.005+/-0.038 χ^2/NDF:15.9/9

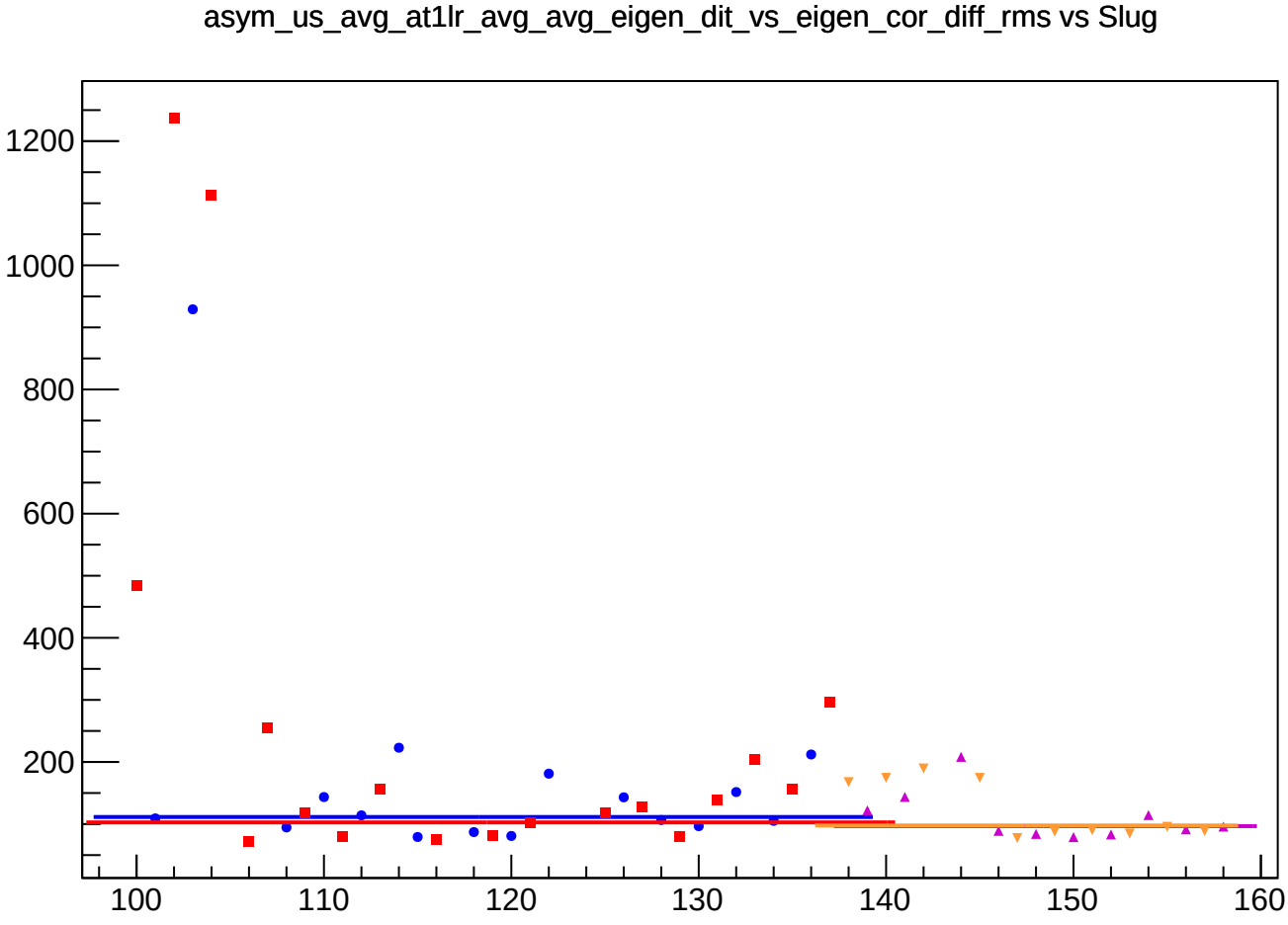
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.022+/-0.035 χ^2/NDF:18.6/9

+ sign -0.005+/-0.030 χ^2/NDF: 31.6/25

All: 0.016+/-0.020 χ^2/NDF: 68.5/53

- sign 0.035+/-0.028 χ^2/NDF: 35.9/27



Right In: 111.404+/-0.034 χ^2/NDF: 1839407.3/15

Left Out: 97.683+/-0.027 χ^2/NDF:1196452.4/9

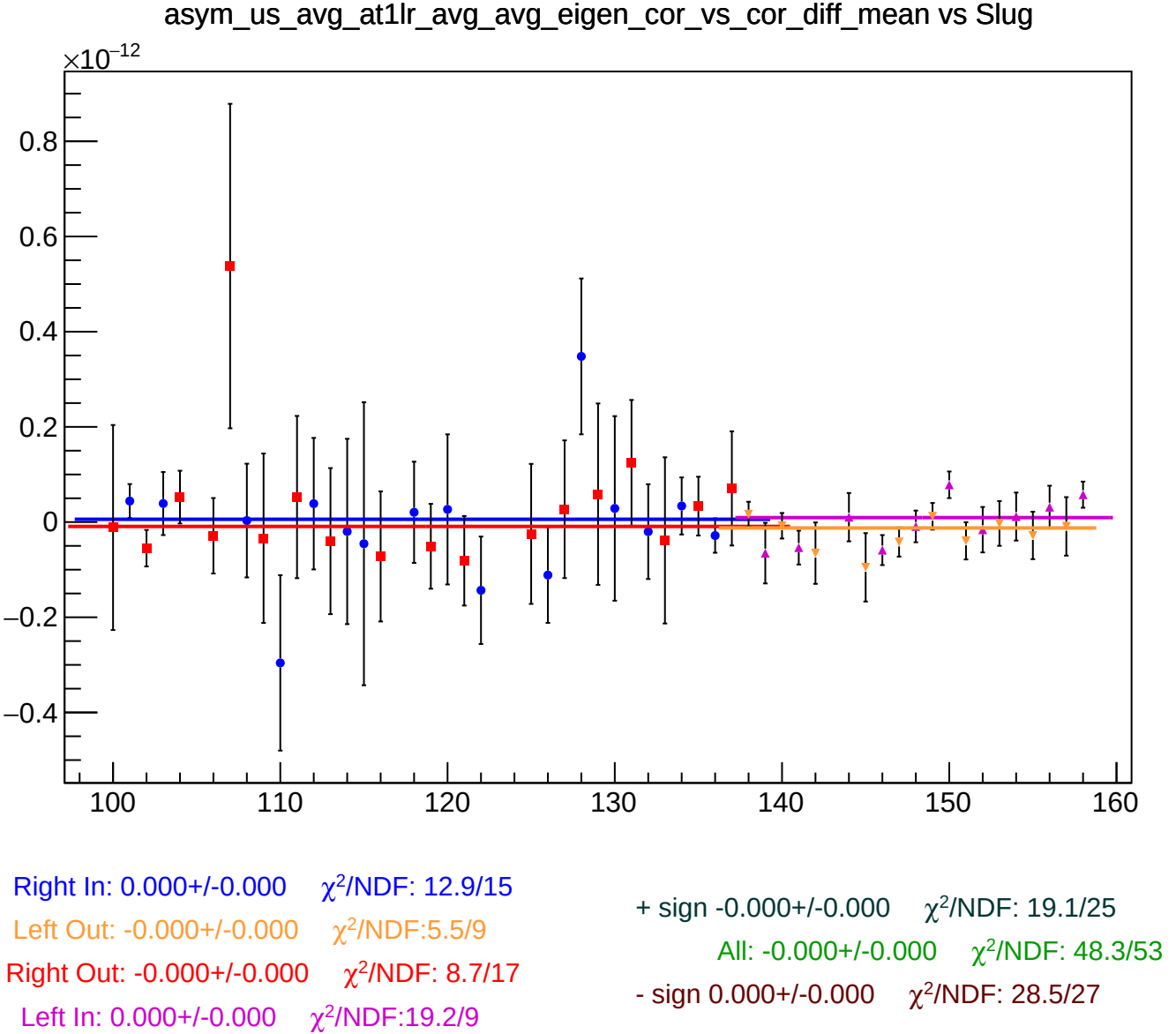
Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

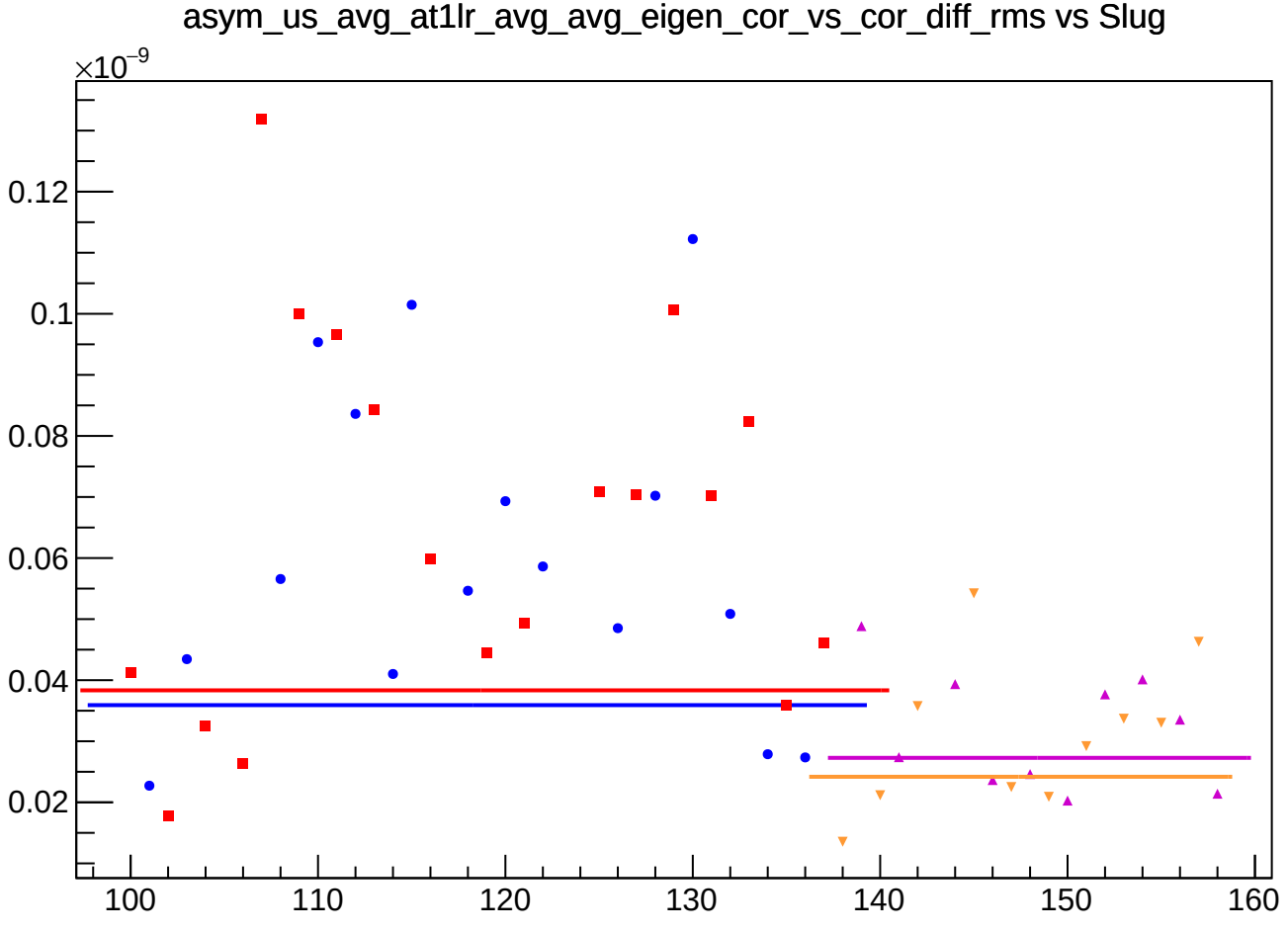
Left In: 96.655+/-0.025 χ^2/NDF:949966.8/9

+ sign 103.091+/-0.021 χ^2/NDF: 3136427.6/25

All: 100.847+/-0.014 χ^2/NDF: 6955736.6/53

- sign 98.864+/-0.020 χ^2/NDF: 3798093.1/27


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 12.9/15
Left Out: -0.000+/-0.000 χ²/NDF:5.5/9
Right Out: -0.000+/-0.000 χ²/NDF: 8.7/17
Left In: 0.000+/-0.000 χ²/NDF:19.2/9
+ sign -0.000+/-0.000 χ²/NDF: 19.1/25
All: -0.000+/-0.000 χ²/NDF: 48.3/53
- sign 0.000+/-0.000 χ²/NDF: 28.5/27



Right In: 0.000+/-0.000 χ^2/NDF: 1759038.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1237921.9/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2202319.8/17

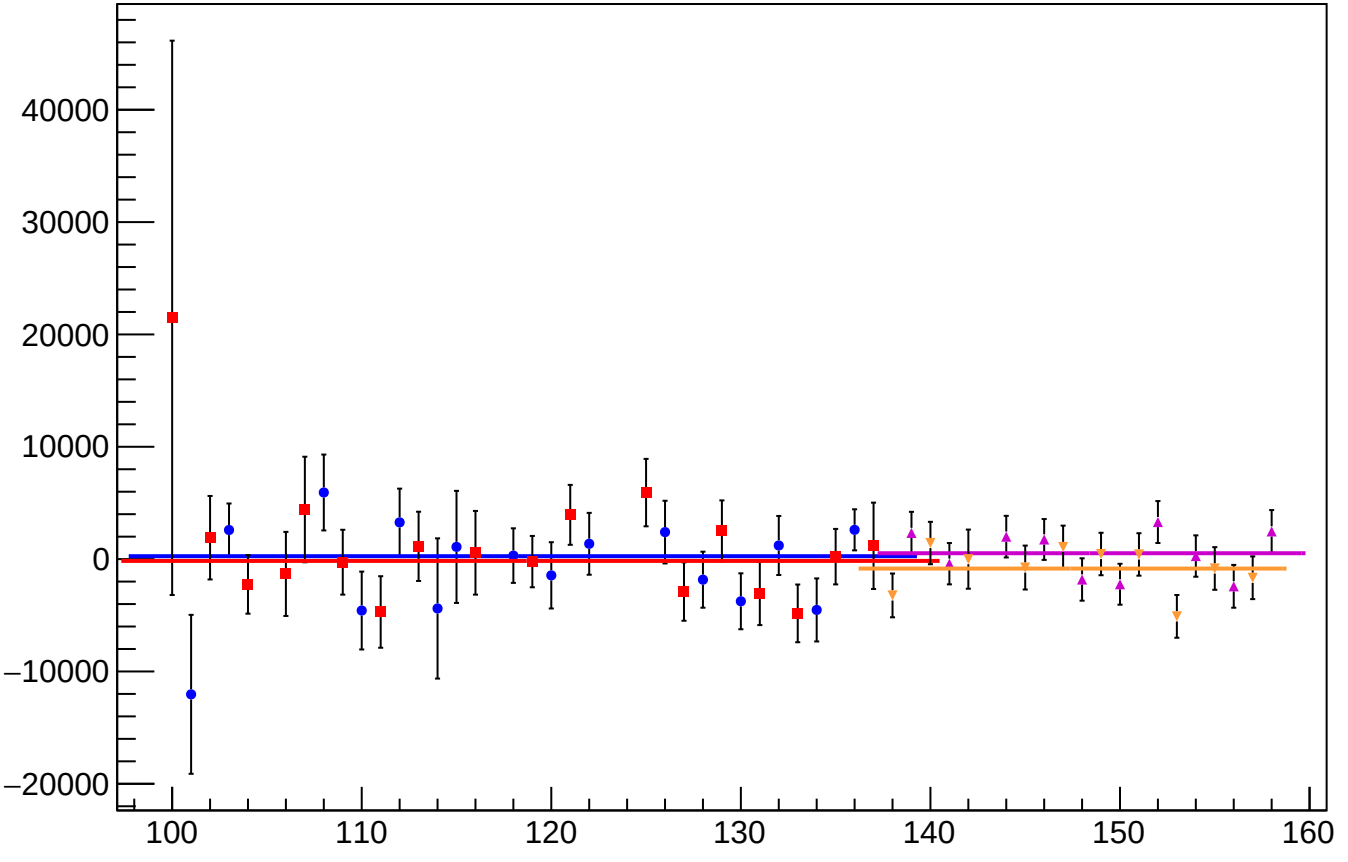
Left In: 0.000+/-0.000 χ^2/NDF:862370.5/9

+ sign 0.000+/-0.000 χ^2/NDF: 3543826.4/25

All: 0.000+/-0.000 χ^2/NDF: 7071737.2/53

- sign 0.000+/-0.000 χ^2/NDF: 3469070.9/27

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -840.079+/-618.058 χ^2/NDF:10.2/9

Right Out: -159.330+/-712.314 χ^2/NDF: 18.1/17

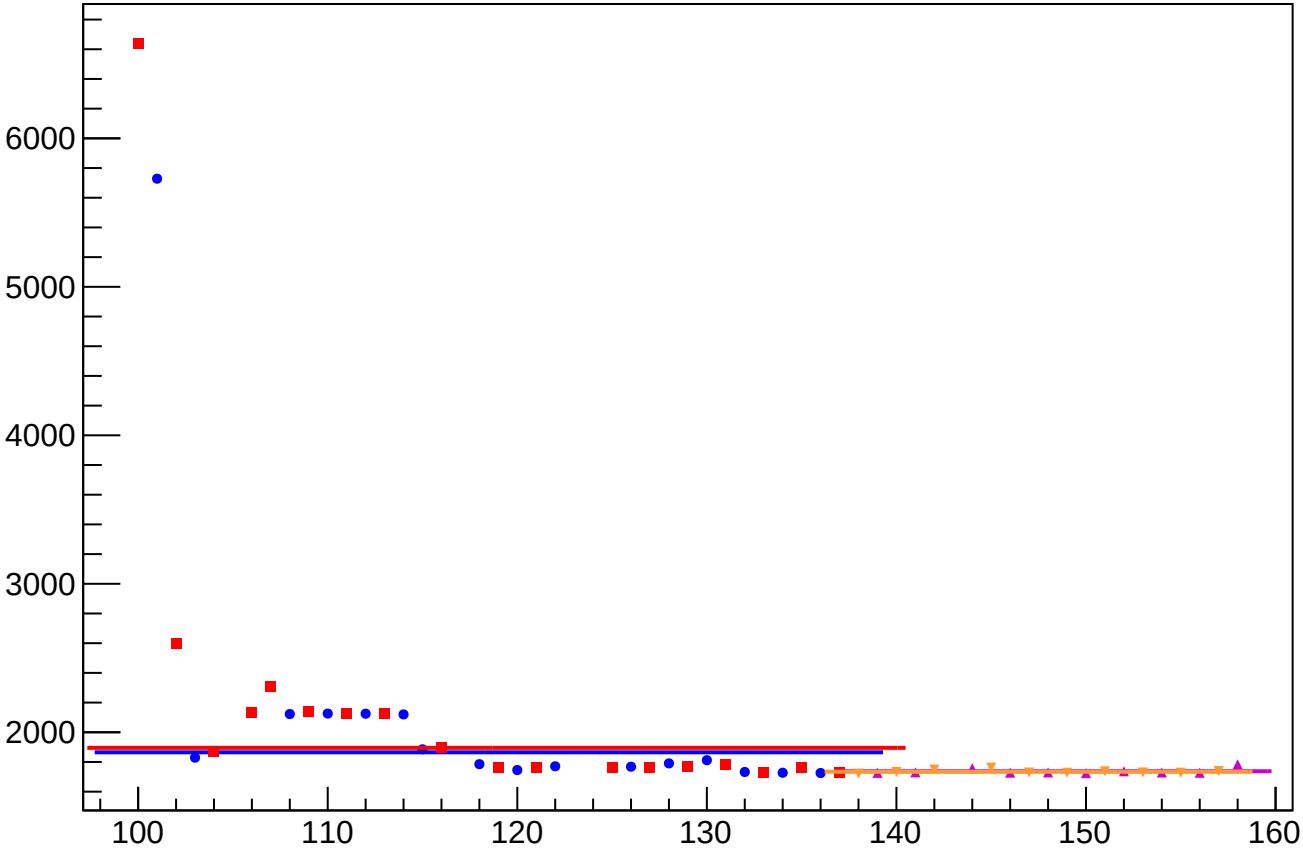
Left In: 524.082+/-588.253 χ^2/NDF:11.8/9

+ sign -365.822+/-466.088 χ^2/NDF: 31.0/25

All: -51.087+/-325.060 χ^2/NDF: 62.3/53

- sign 246.979+/-453.577 χ^2/NDF: 30.4/27

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1734.503+/-0.437 χ^2/NDF:640.6/9

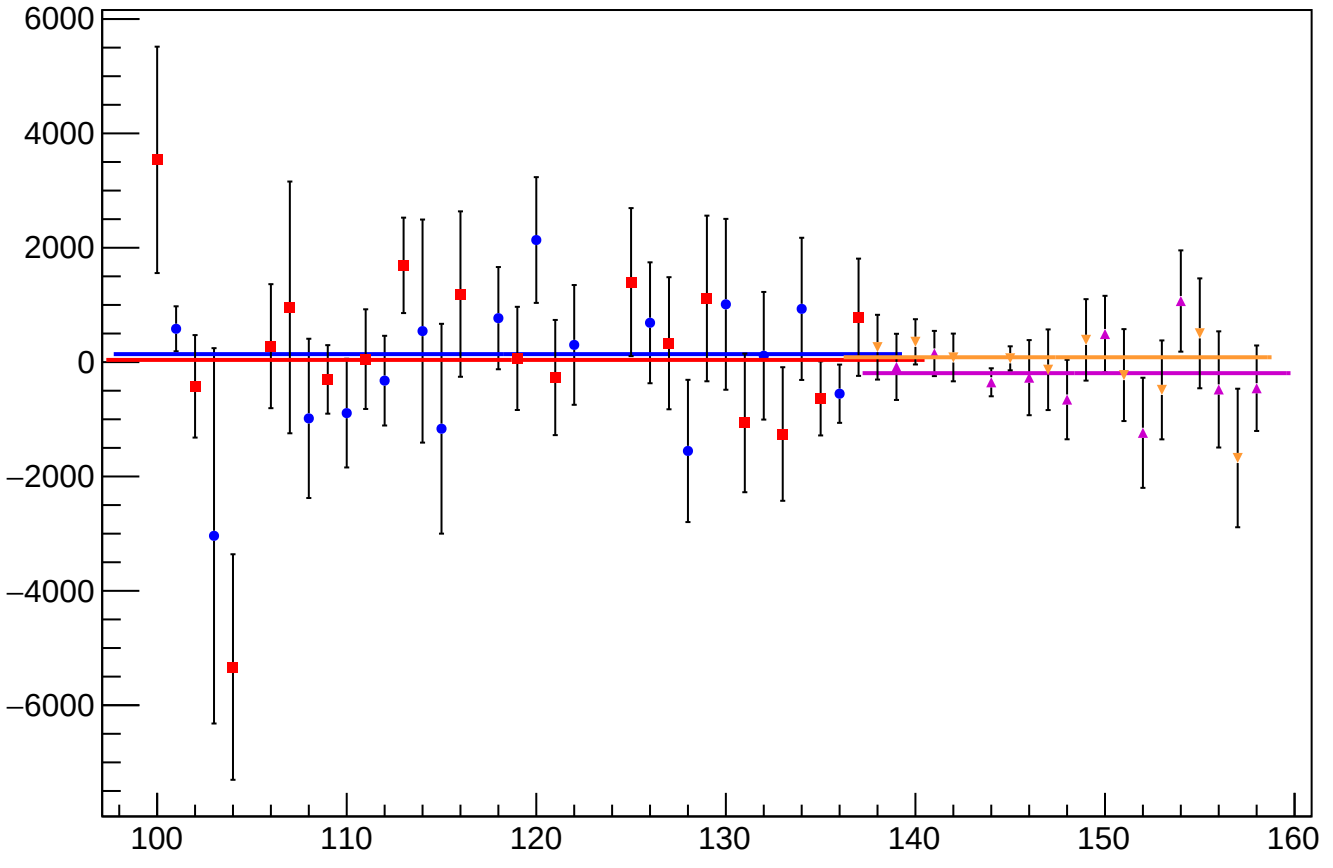
Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1737.516+/-0.416 χ^2/NDF:1816.1/9

+ sign 1790.861+/-0.330 χ^2/NDF: 711921.5/25

All: 1796.311+/-0.230 χ^2/NDF: 1023382.2/53

- sign 1801.472+/-0.321 χ^2/NDF: 310928.3/27



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 85.020+/-146.532 χ^2/NDF:3.7/9

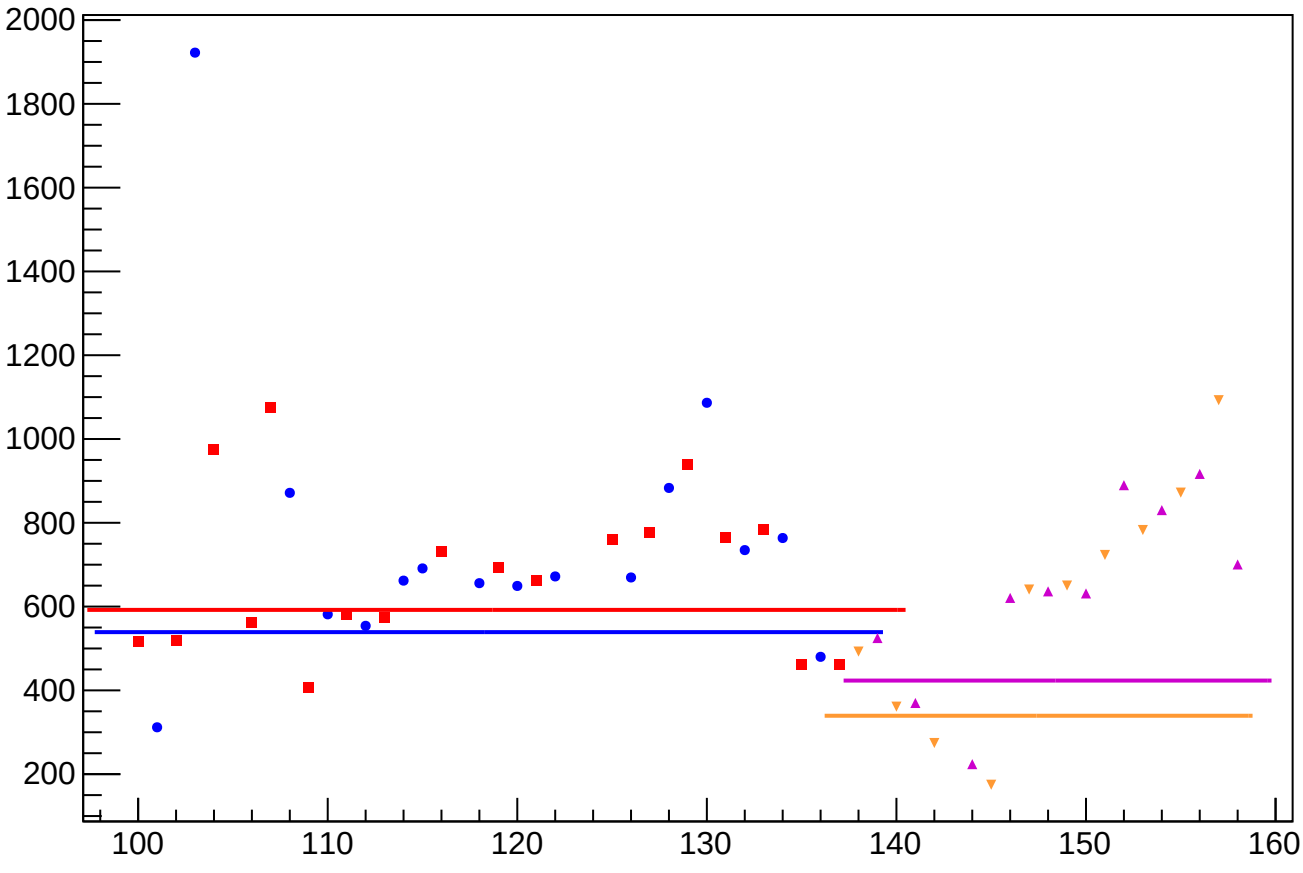
Right Out: 38.629+/-238.253 χ^2/NDF: 21.4/17

Left In: -192.989+/-162.687 χ^2/NDF:6.1/9

+ sign 101.843+/-121.973 χ^2/NDF: 17.2/25

All: 1.911+/-90.308 χ^2/NDF: 46.9/53

- sign -119.336+/-134.353 χ^2/NDF: 28.2/27



Right In: 539.016+/-0.156 χ^2/NDF: 1854576.5/15

Left Out: 339.420+/-0.104 χ^2/NDF:4546557.4/9

Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

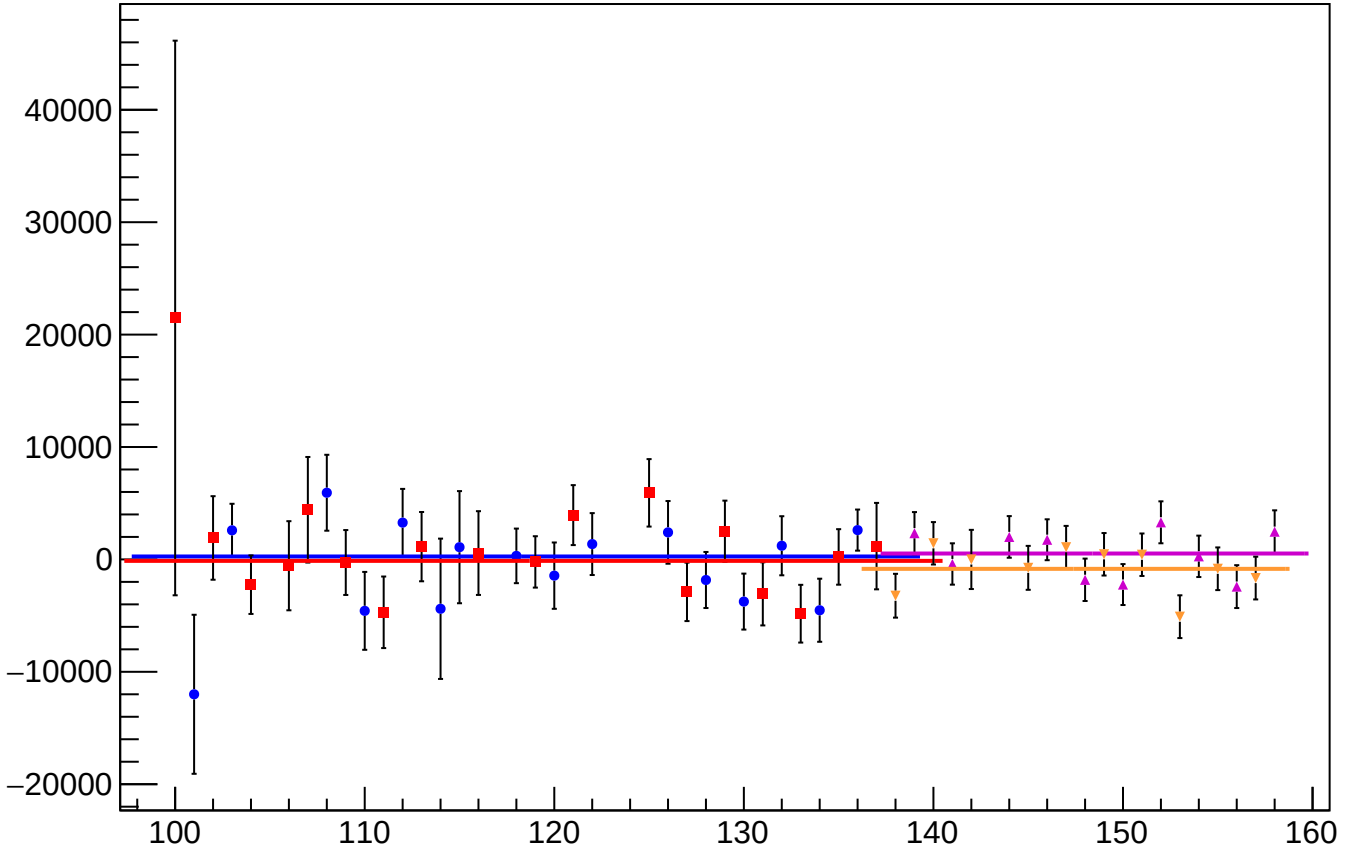
Left In: 423.383+/-0.115 χ^2/NDF:3623674.4/9

+ sign 400.717+/-0.086 χ^2/NDF: 7540754.1/25

All: 435.198+/-0.064 χ^2/NDF: 13045263.6/53

- sign 477.034+/-0.095 χ^2/NDF: 5150752.4/27

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -840.032+/-618.058 χ^2/NDF:10.2/9

Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

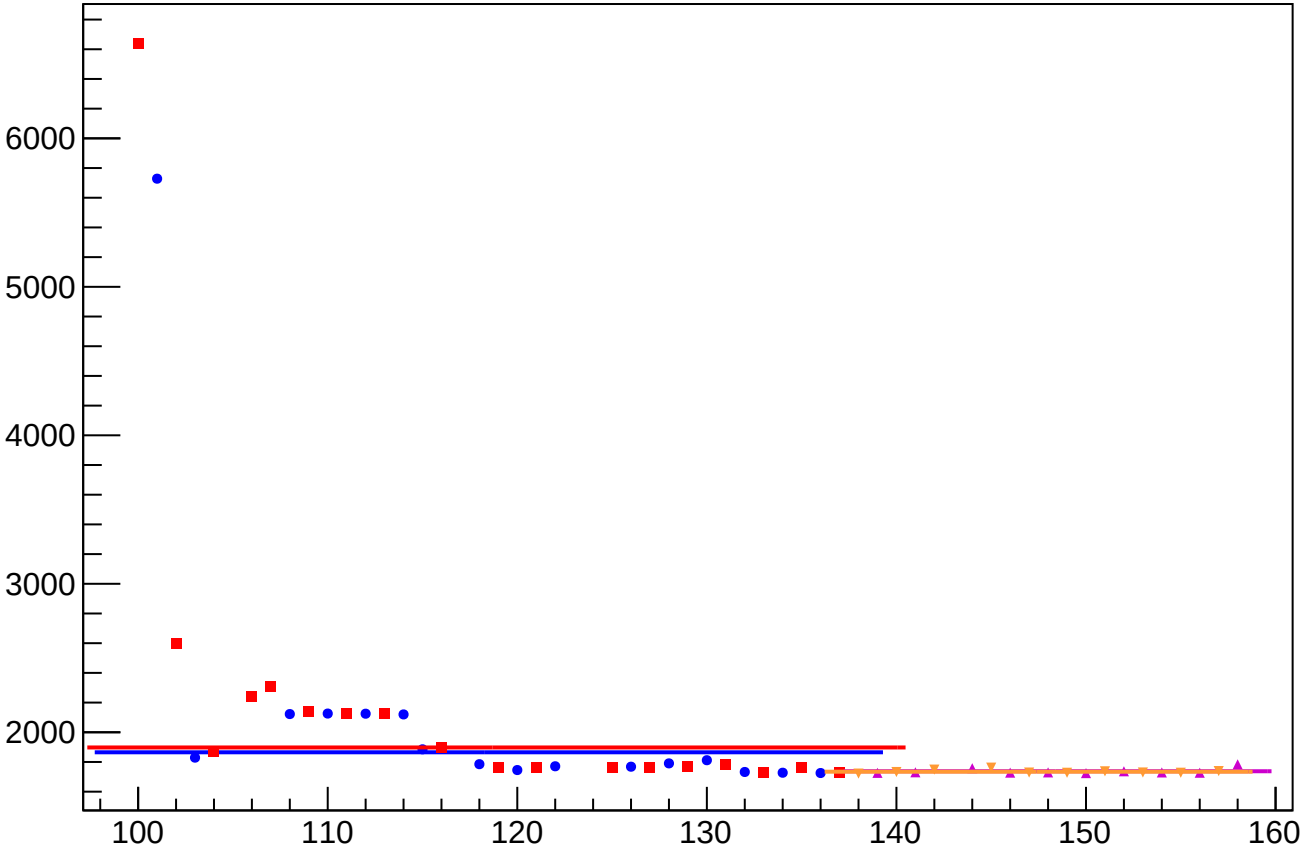
Left In: 524.153+/-588.253 χ^2/NDF:11.8/9

+ sign -365.714+/-466.088 χ^2/NDF: 31.0/25

All: -44.845+/-325.194 χ^2/NDF: 62.2/53

- sign 259.517+/-453.940 χ^2/NDF: 30.3/27

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1734.503+/-0.437 χ^2/NDF:640.6/9

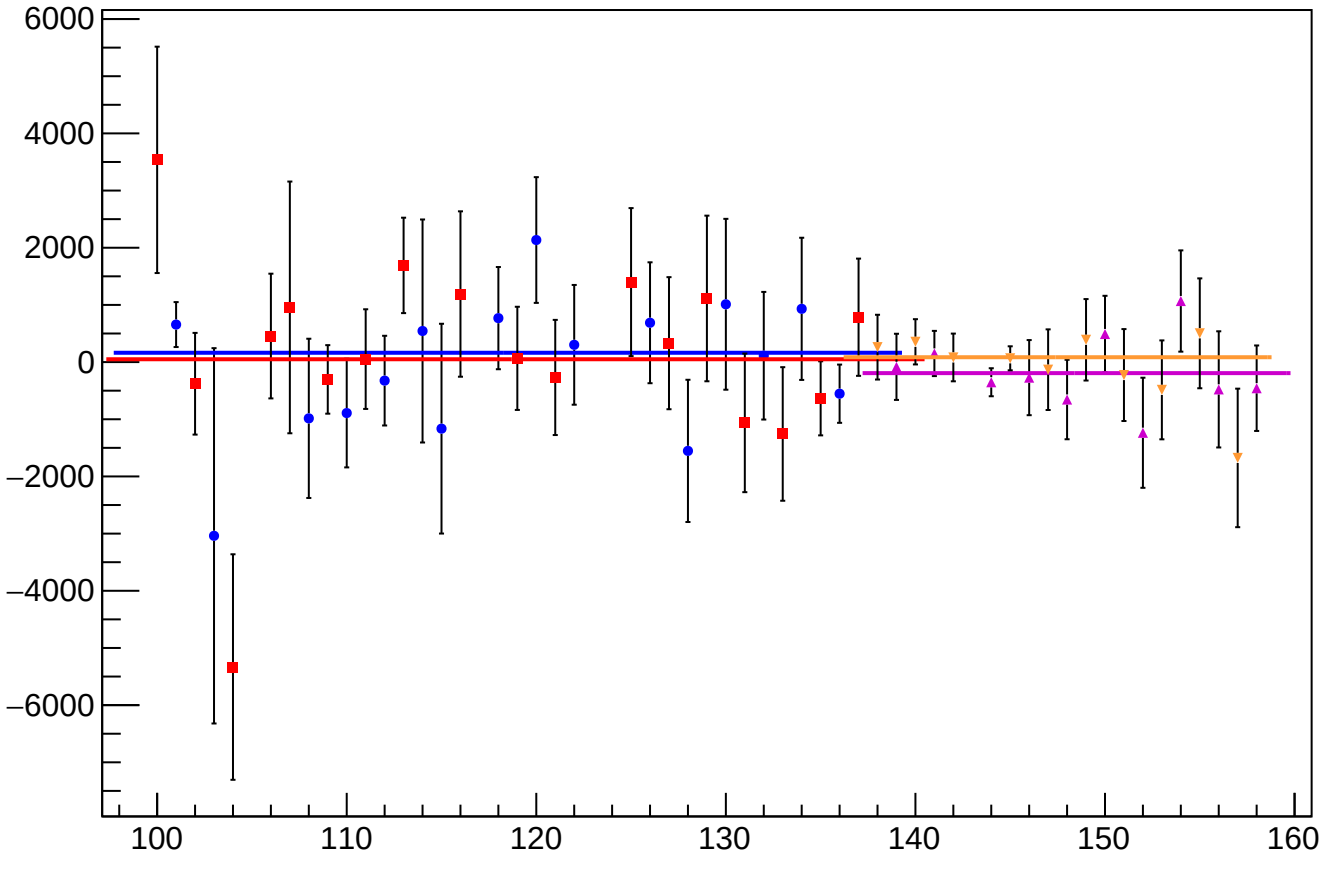
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1737.516+/-0.416 χ^2/NDF:1816.1/9

+ sign 1790.861+/-0.330 χ^2/NDF: 711921.3/25

All: 1796.738+/-0.230 χ^2/NDF: 1032082.3/53

- sign 1802.313+/-0.321 χ^2/NDF: 319541.2/27



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 84.896+/-146.535 χ^2/NDF:3.7/9

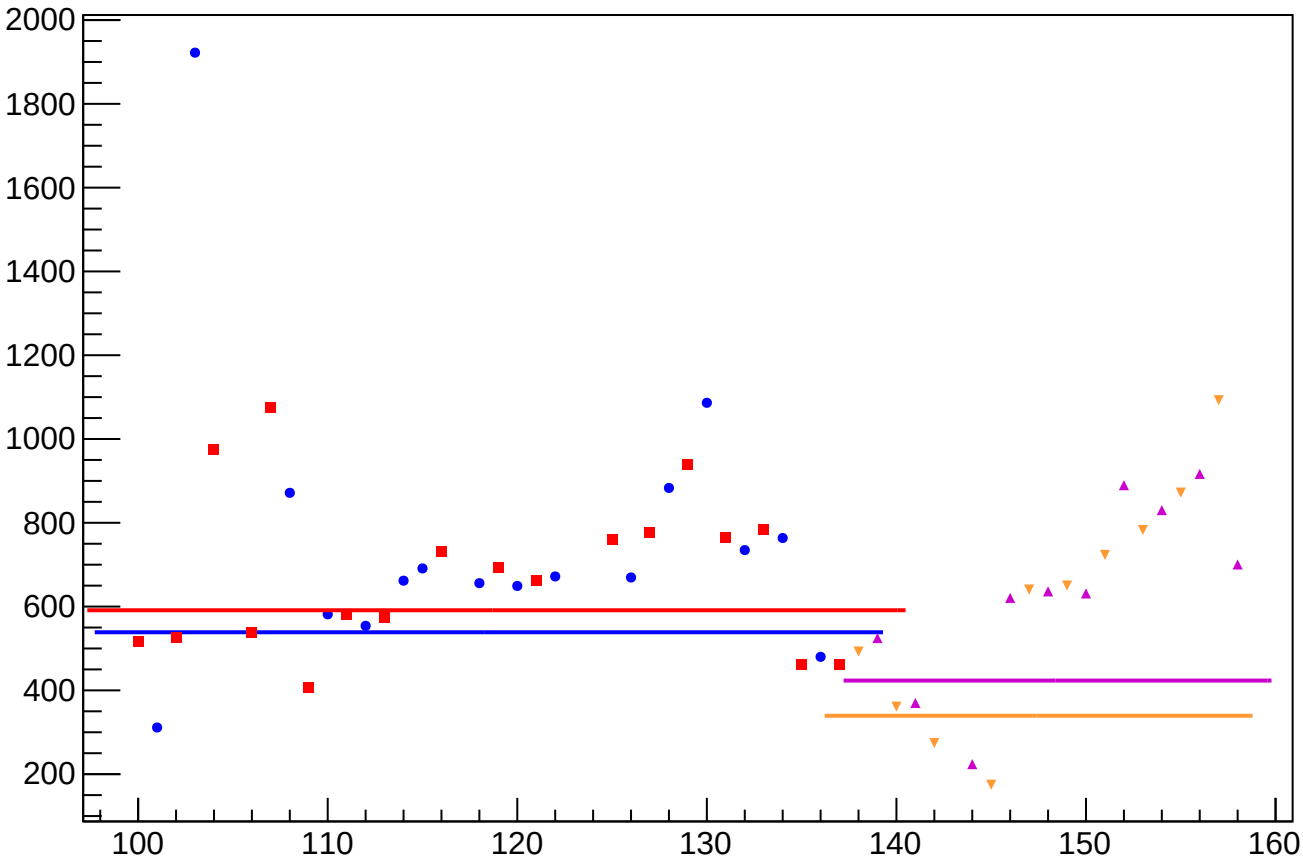
Right Out: 49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: -192.997+/-162.688 χ^2/NDF:6.1/9

+ sign 108.940+/-121.962 χ^2/NDF: 17.7/25

All: 7.391+/-90.301 χ^2/NDF: 47.5/53

- sign -115.822+/-134.344 χ^2/NDF: 28.3/27



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 339.428+/-0.104 χ^2/NDF:4546454.2/9

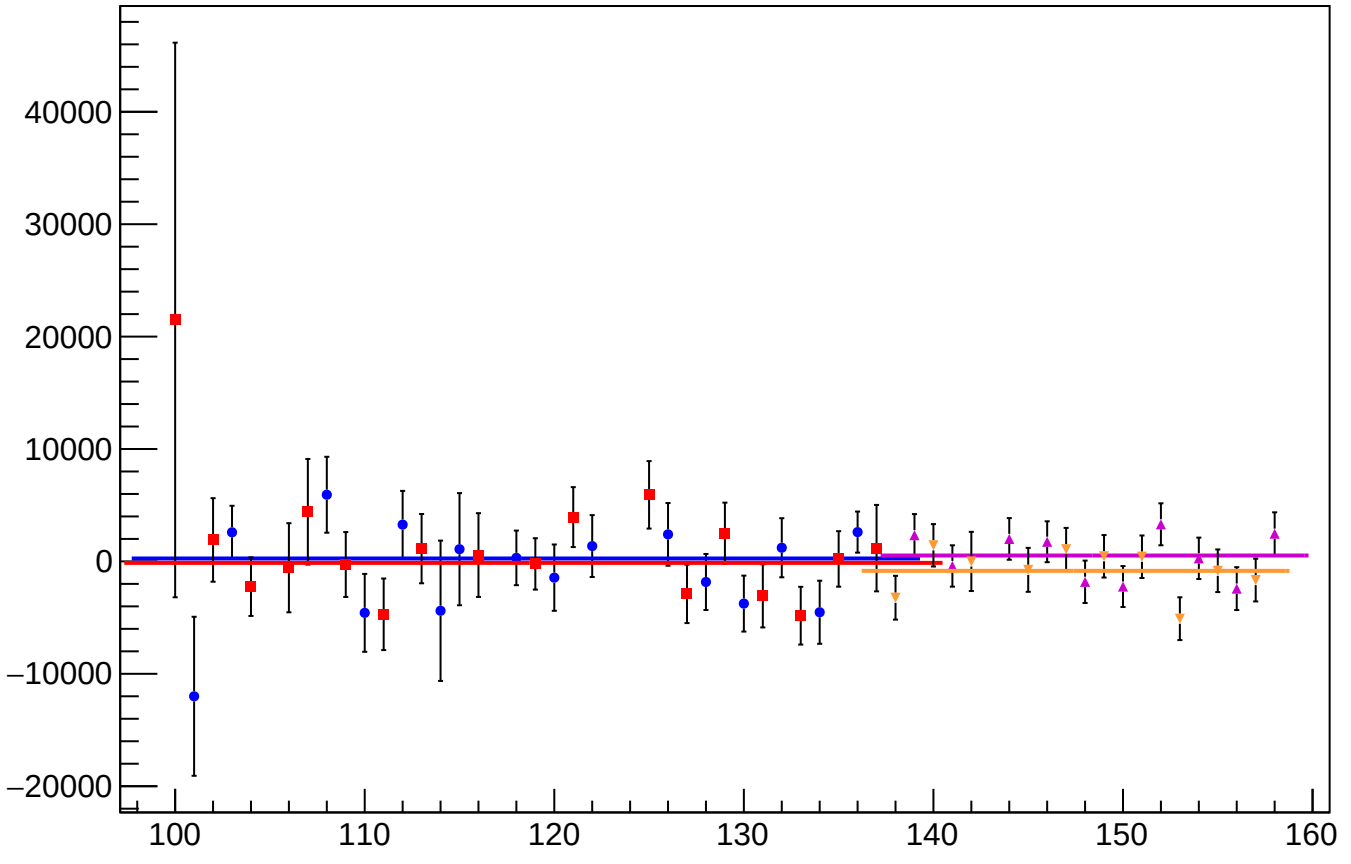
Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 423.392+/-0.115 χ^2/NDF:3623381.4/9

+ sign 400.658+/-0.086 χ^2/NDF: 7541833.9/25

All: 435.052+/-0.064 χ^2/NDF: 13039002.2/53

- sign 476.784+/-0.095 χ^2/NDF: 5145120.9/27



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -840.032+/-618.058 χ^2/NDF:10.2/9

Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

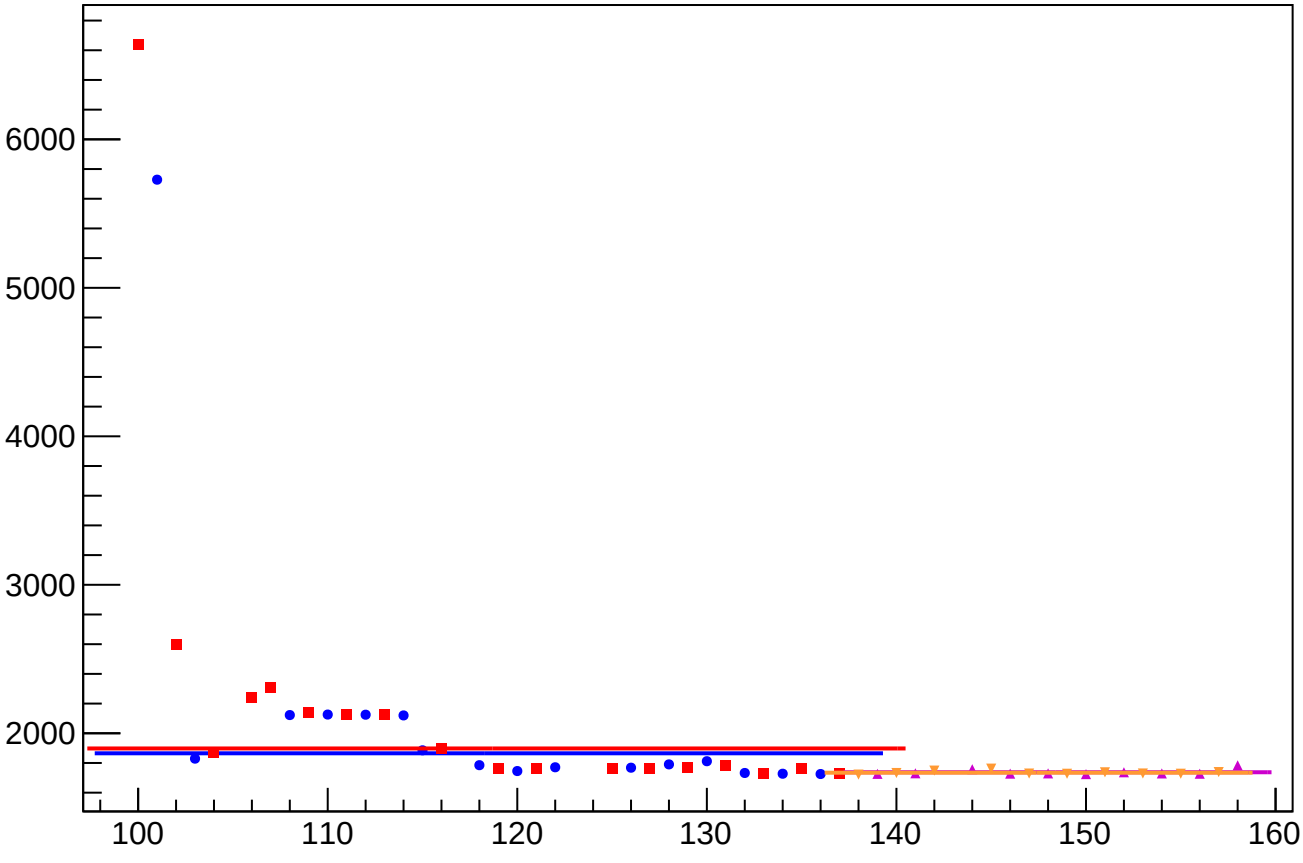
Left In: 524.153+/-588.253 χ^2/NDF:11.8/9

+ sign -365.714+/-466.088 χ^2/NDF: 31.0/25

All: -44.845+/-325.194 χ^2/NDF: 62.2/53

- sign 259.517+/-453.940 χ^2/NDF: 30.3/27

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1734.503+/-0.437 χ^2/NDF:640.6/9

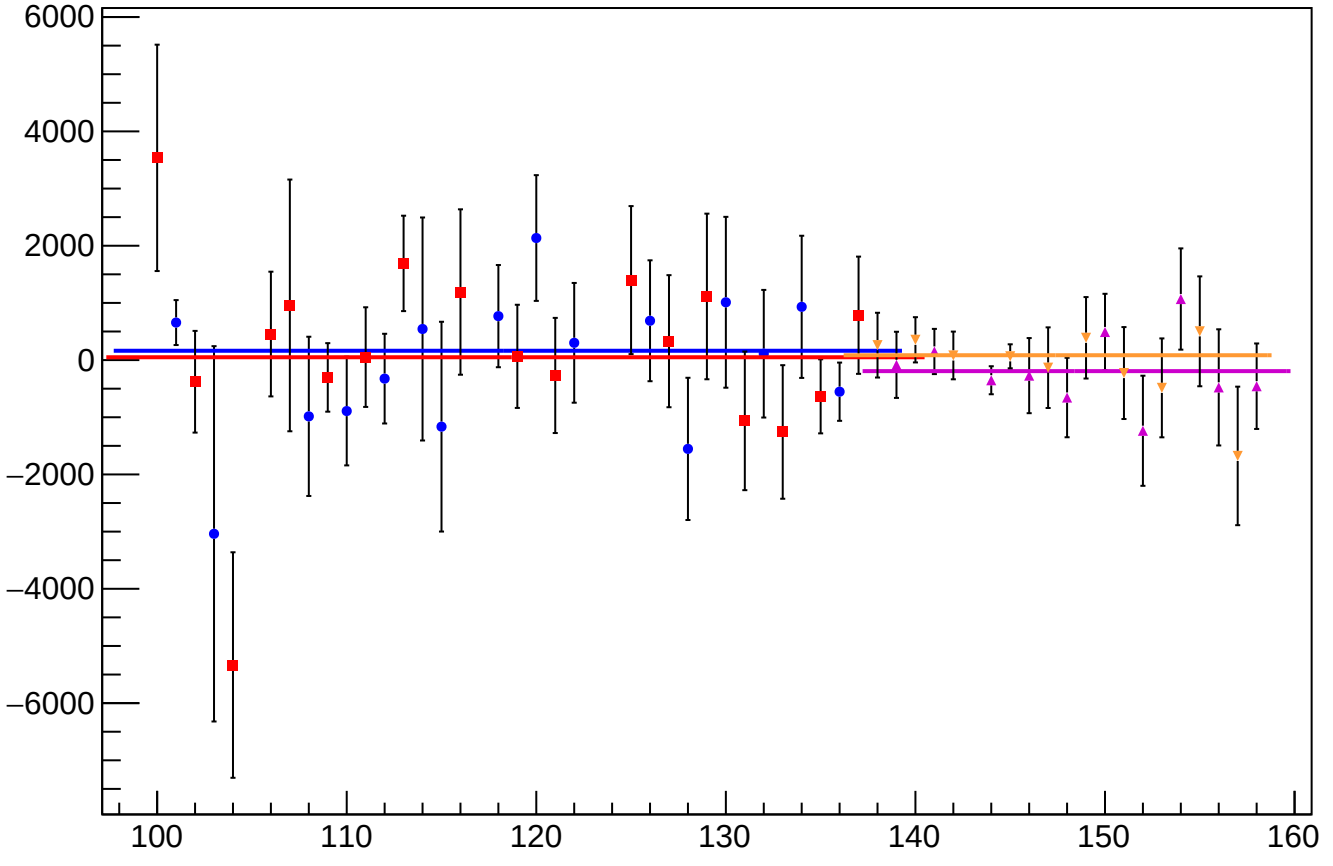
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1737.516+/-0.416 χ^2/NDF:1816.1/9

+ sign 1790.861+/-0.330 χ^2/NDF: 711921.3/25

All: 1796.738+/-0.230 χ^2/NDF: 1032082.3/53

- sign 1802.313+/-0.321 χ^2/NDF: 319541.2/27



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 84.896+/-146.535 χ^2/NDF:3.7/9

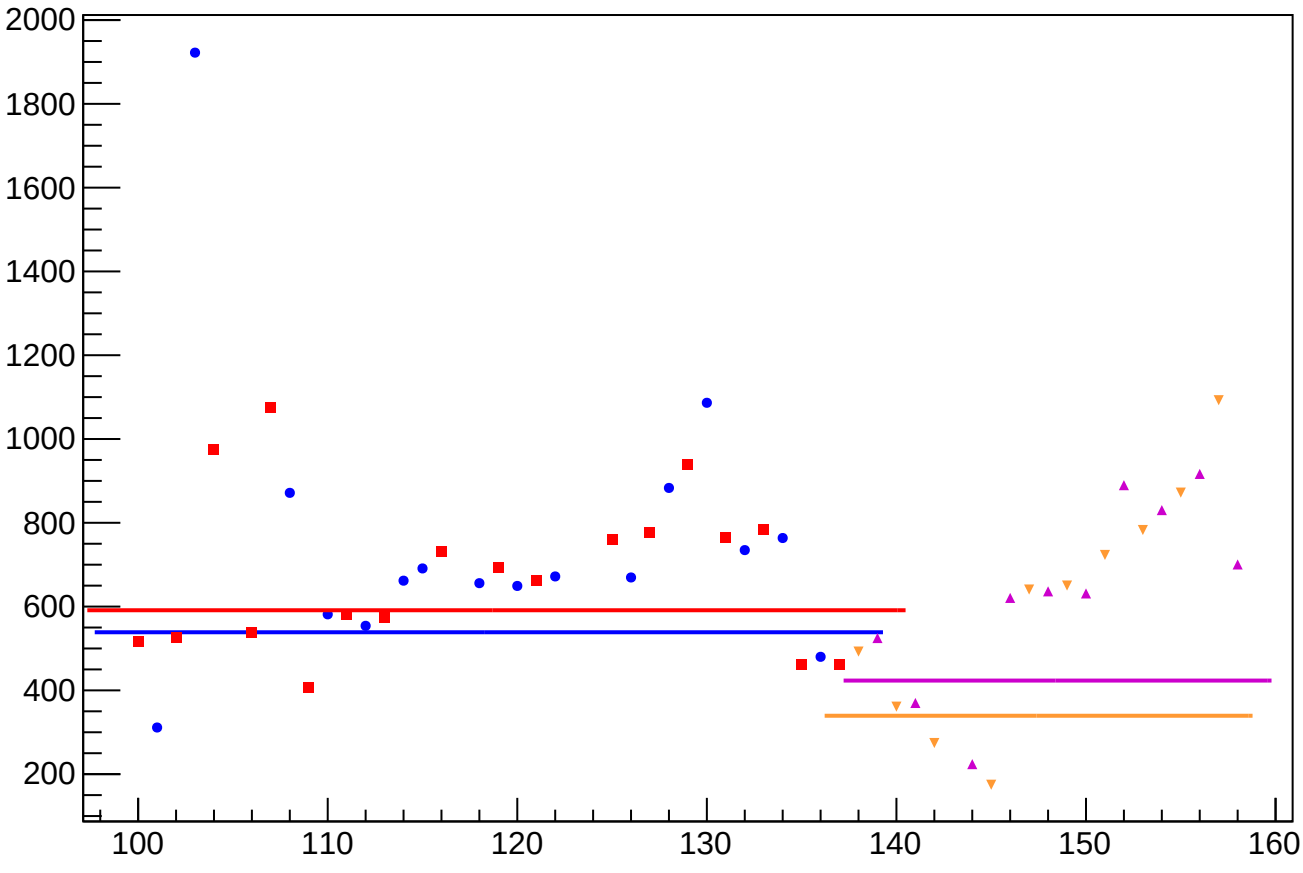
Right Out: 49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: -192.997+/-162.688 χ^2/NDF:6.1/9

+ sign 108.940+/-121.962 χ^2/NDF: 17.7/25

All: 7.391+/-90.301 χ^2/NDF: 47.5/53

- sign -115.822+/-134.344 χ^2/NDF: 28.3/27



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 339.428+/-0.104 χ^2/NDF:4546454.2/9

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

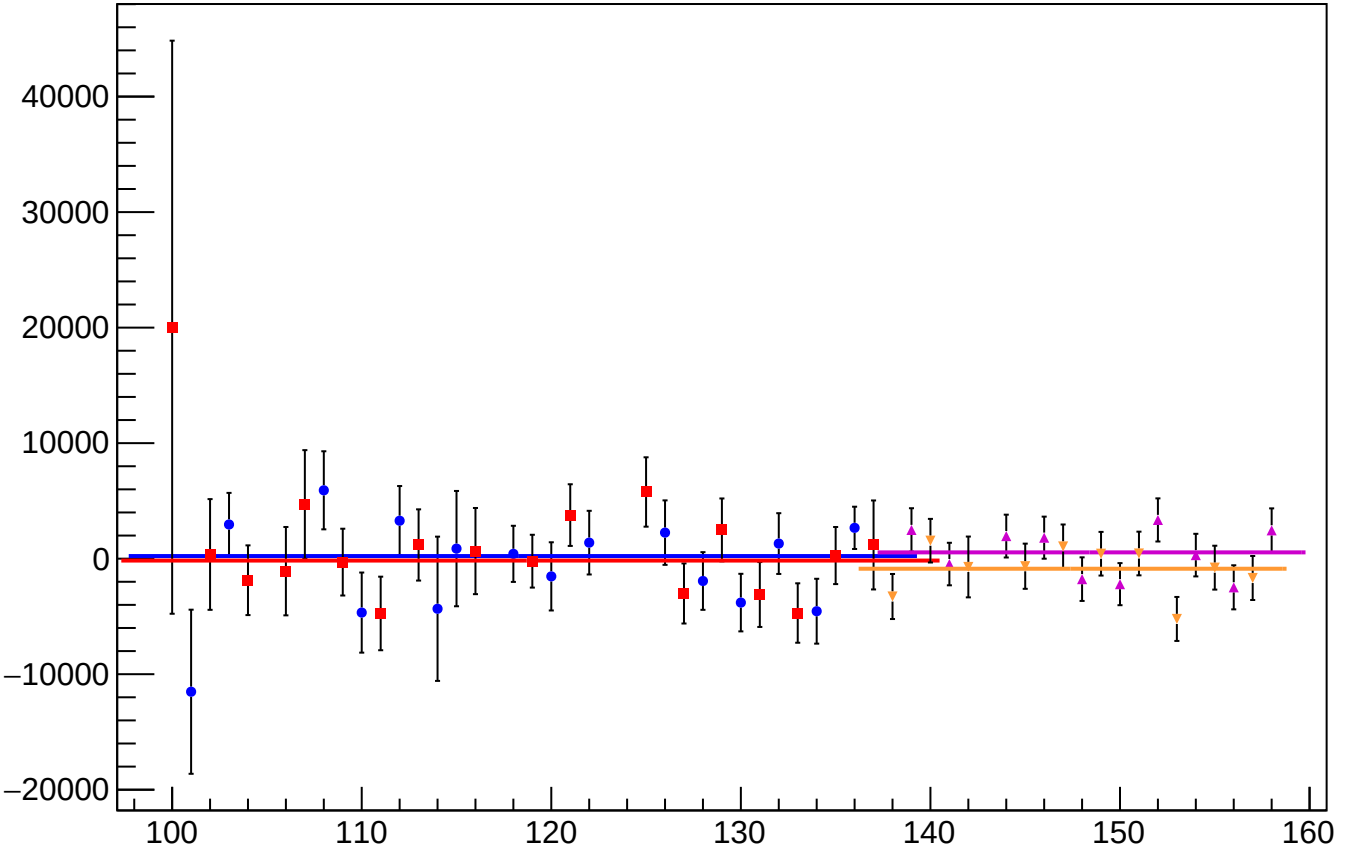
Left In: 423.392+/-0.115 χ^2/NDF:3623381.4/9

+ sign 400.658+/-0.086 χ^2/NDF: 7541833.9/25

All: 435.052+/-0.064 χ^2/NDF: 13039002.2/53

- sign 476.784+/-0.095 χ^2/NDF: 5145120.9/27

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -871.270+/-618.484 χ^2/NDF:10.6/9

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

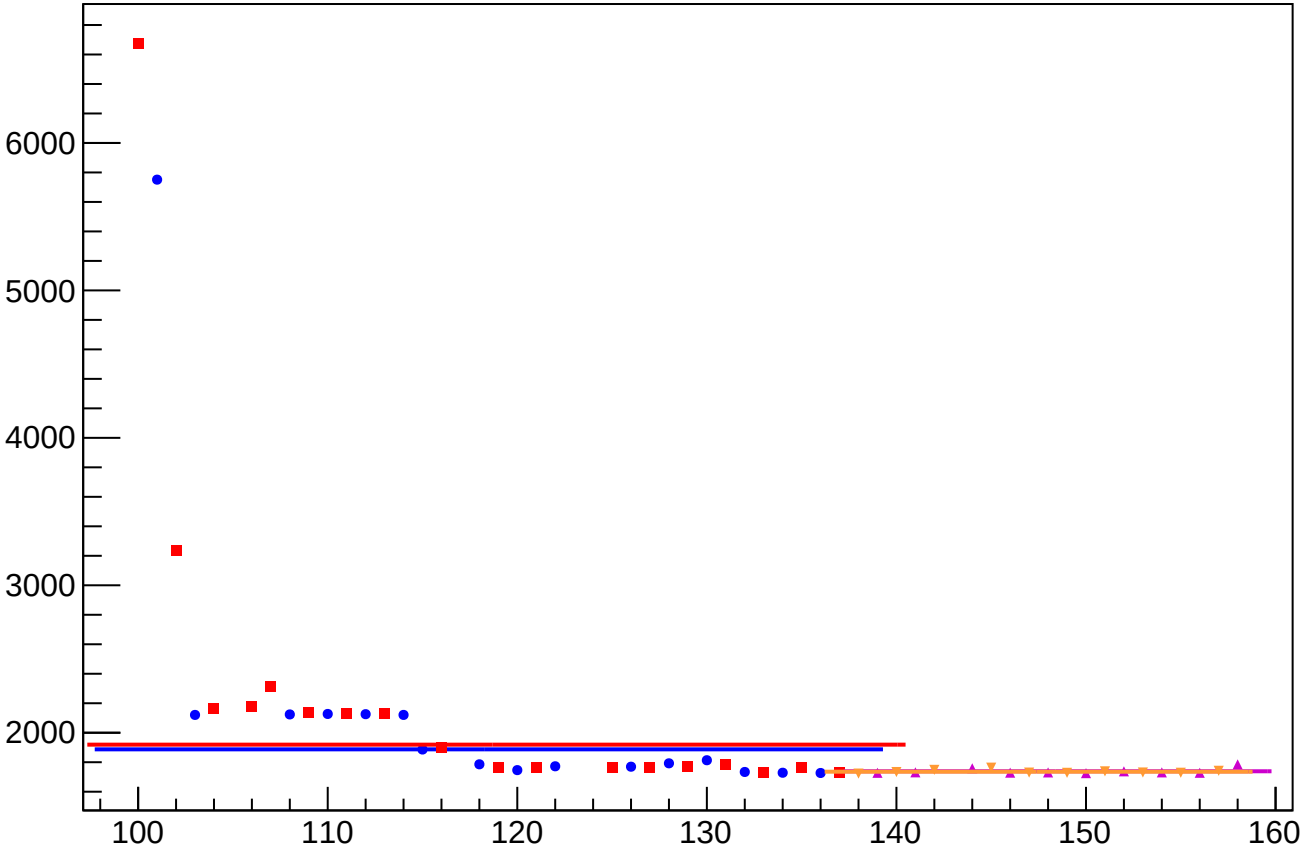
Left In: 544.945+/-588.622 χ^2/NDF:12.0/9

+ sign -404.207+/-468.756 χ^2/NDF: 31.3/25

All: -61.860+/-327.288 χ^2/NDF: 62.0/53

- sign 263.777+/-457.173 χ^2/NDF: 29.6/27

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1735.696+/-0.437 χ^2/NDF:647.6/9

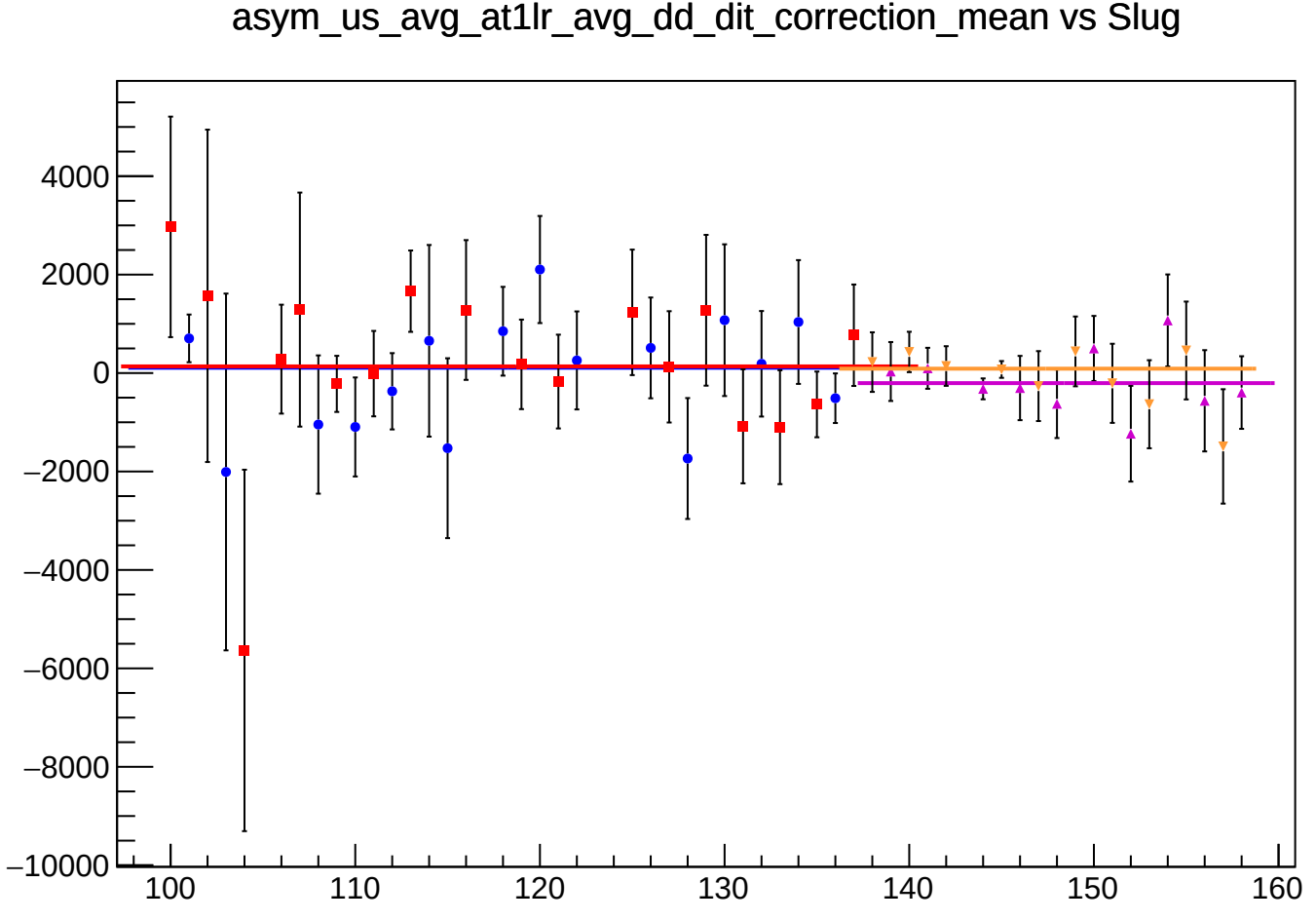
Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1738.601+/-0.416 χ^2/NDF:1814.9/9

+ sign 1800.218+/-0.331 χ^2/NDF: 741237.8/25

All: 1805.355+/-0.231 χ^2/NDF: 1170758.4/53

- sign 1810.242+/-0.323 χ^2/NDF: 429051.9/27



Right In: 108.131+/-231.711 χ^2/NDF: 14.2/15

Left Out: 89.104+/-131.496 χ^2/NDF:4.0/9

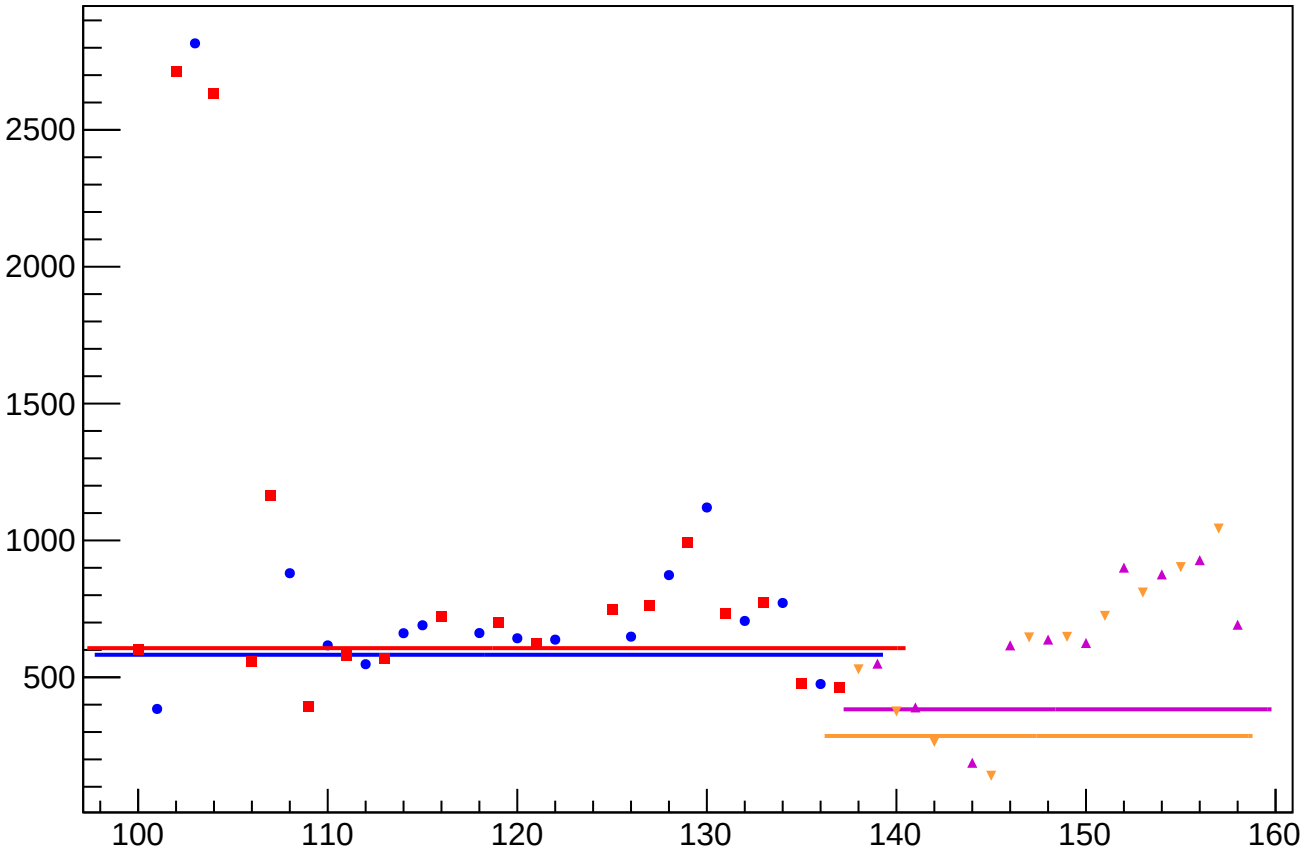
Right Out: 135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: -204.449+/-153.511 χ^2/NDF:5.7/9

\+ sign 93.739+/-114.364 χ^2/NDF: 18.2/25

All: 5.385+/-85.931 χ^2/NDF: 41.0/53

\- sign -109.174+/-130.224 χ^2/NDF: 21.4/27



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 285.616+/-0.093 χ^2/NDF:5818753.0/9

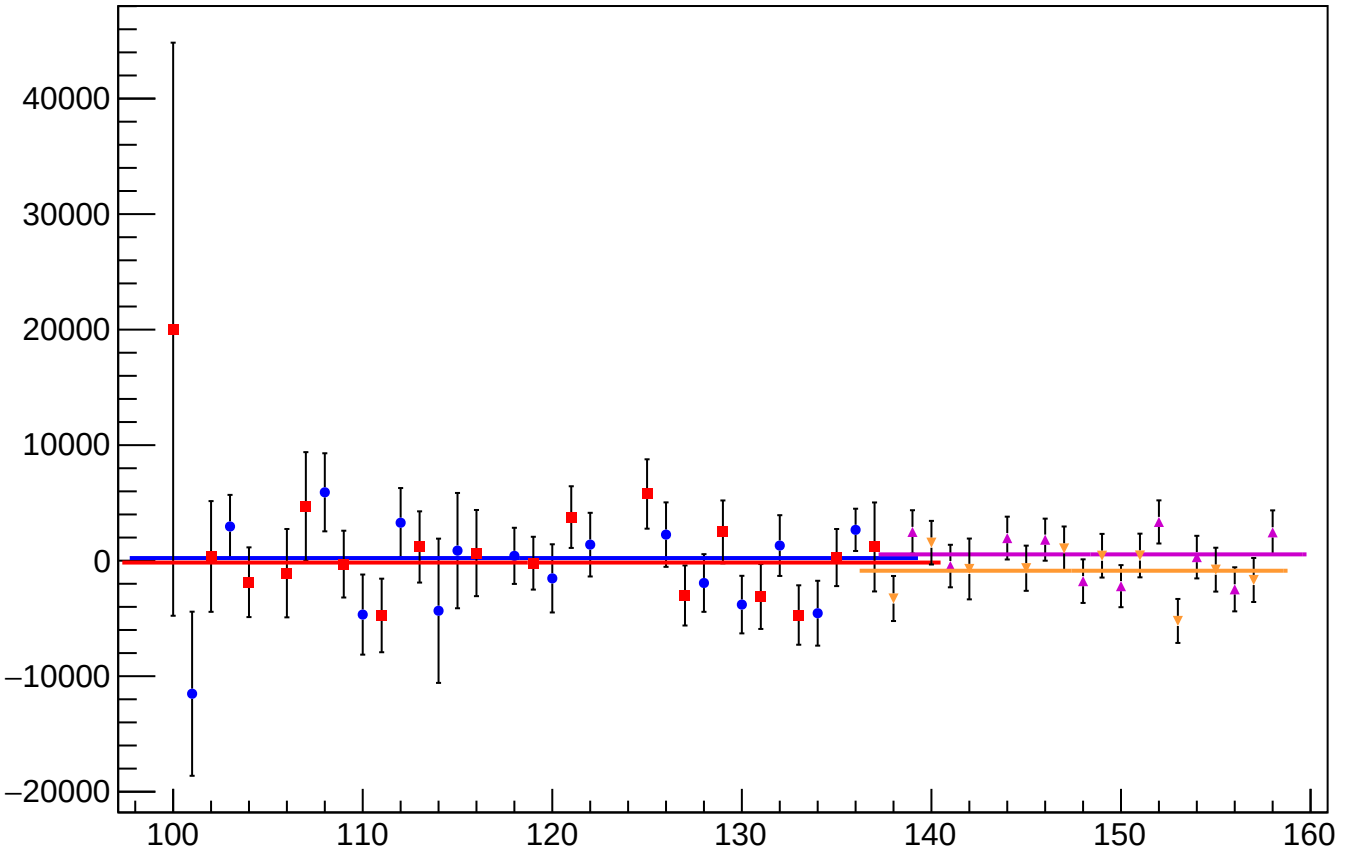
Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 383.008+/-0.109 χ^2/NDF:4677014.2/9

+ sign 357.882+/-0.081 χ^2/NDF: 10052682.0/25

All: 396.102+/-0.061 χ^2/NDF: 18629120.2/53

- sign 445.657+/-0.092 χ^2/NDF: 8063451.5/27



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -871.274+/-618.484 χ^2/NDF:10.6/9

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

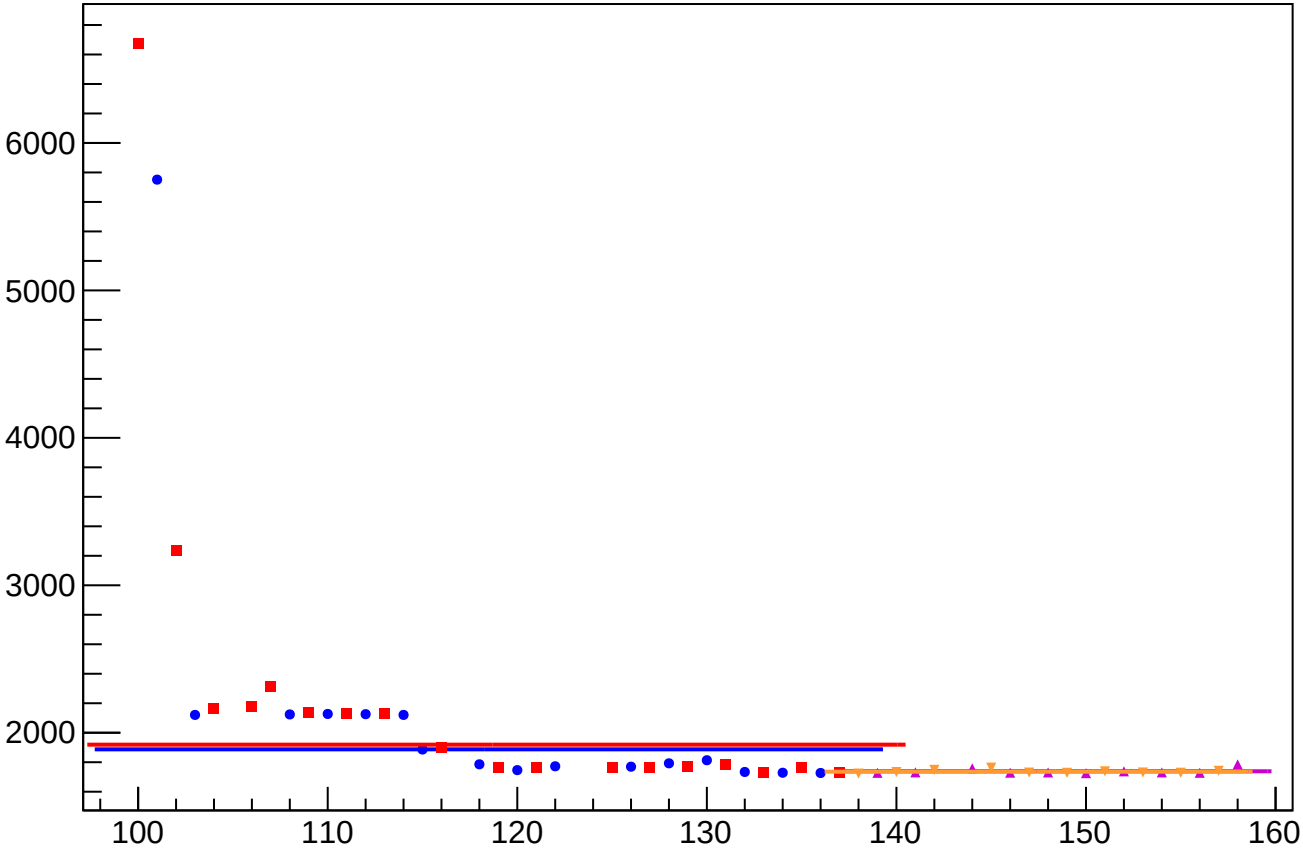
Left In: 544.944+/-588.622 χ^2/NDF:12.0/9

+ sign -404.209+/-468.756 χ^2/NDF: 31.3/25

All: -61.861+/-327.288 χ^2/NDF: 62.0/53

- sign 263.777+/-457.173 χ^2/NDF: 29.6/27

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.4/15

Left Out: 1735.696+/-0.437 χ^2/NDF:647.6/9

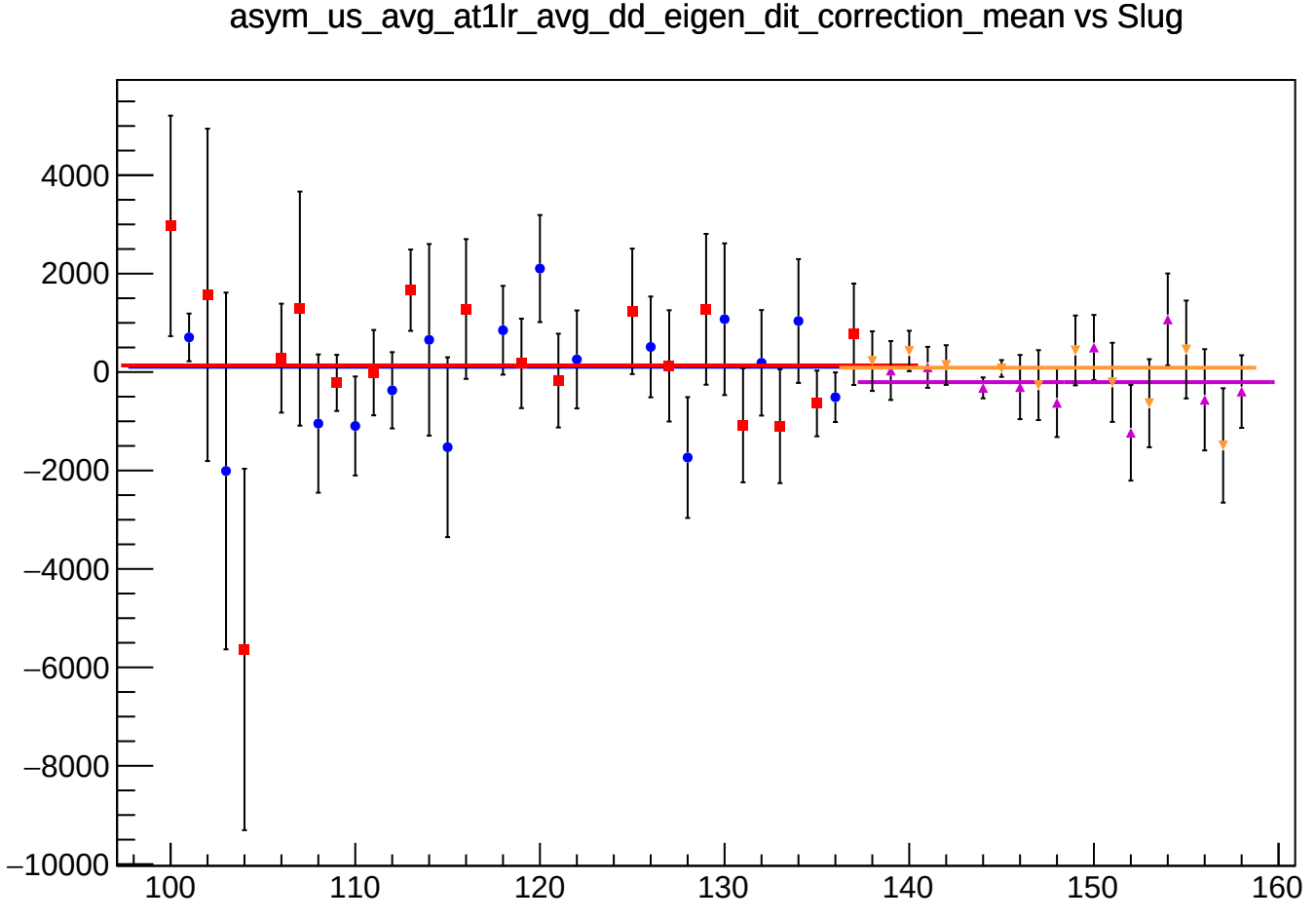
Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1738.601+/-0.416 χ^2/NDF:1814.9/9

+ sign 1800.218+/-0.331 χ^2/NDF: 741237.5/25

All: 1805.355+/-0.231 χ^2/NDF: 1170757.2/53

- sign 1810.242+/-0.323 χ^2/NDF: 429051.1/27



Right In: 108.128+/-231.710 χ^2/NDF: 14.2/15

Left Out: 89.102+/-131.497 χ^2/NDF:4.0/9

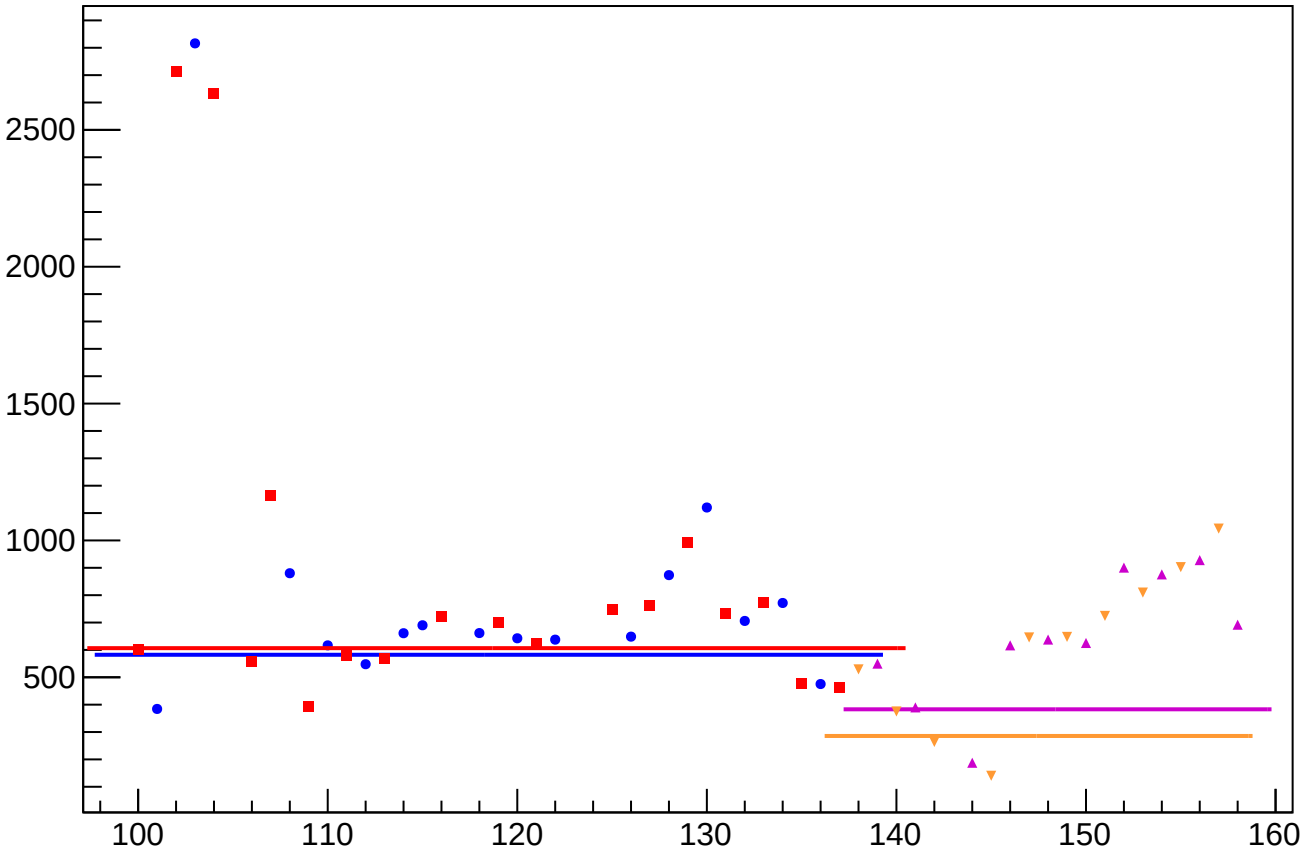
Right Out: 135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: -204.449+/-153.511 χ^2/NDF:5.7/9

+ sign 93.737+/-114.364 χ^2/NDF: 18.2/25

All: 5.384+/-85.931 χ^2/NDF: 41.0/53

- sign -109.174+/-130.224 χ^2/NDF: 21.4/27



Right In: 582.268+/-0.164 χ^2/NDF: 1754289.3/15

Left Out: 285.616+/-0.093 χ^2/NDF:5818777.9/9

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

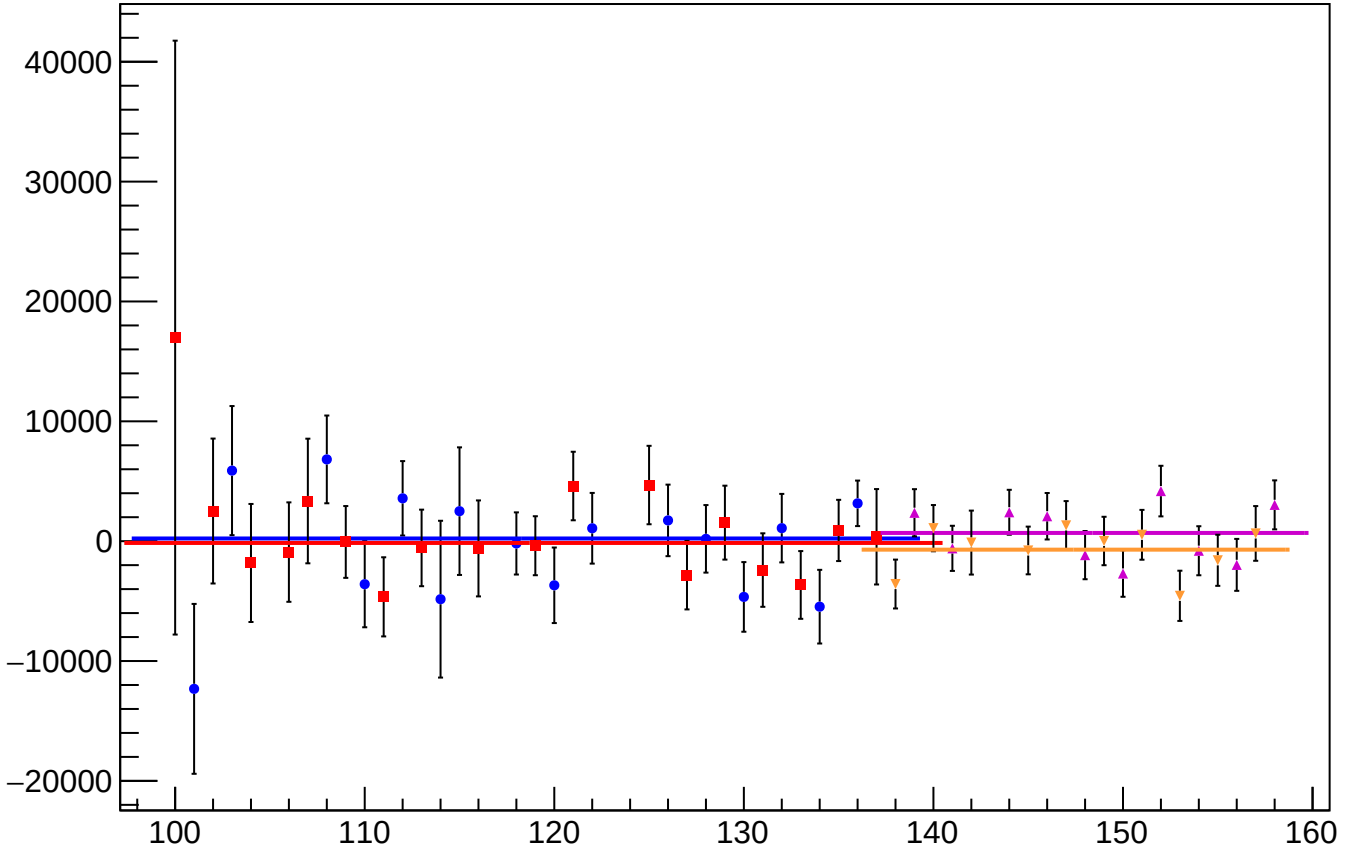
Left In: 383.009+/-0.109 χ^2/NDF:4677031.6/9

+ sign 357.882+/-0.081 χ^2/NDF: 10052679.6/25

All: 396.102+/-0.061 χ^2/NDF: 18629113.9/53

- sign 445.657+/-0.092 χ^2/NDF: 8063447.9/27

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: -707.850+/-664.966 χ^2/NDF:8.3/9

Right Out: -147.974+/-794.180 χ^2/NDF: 11.6/17

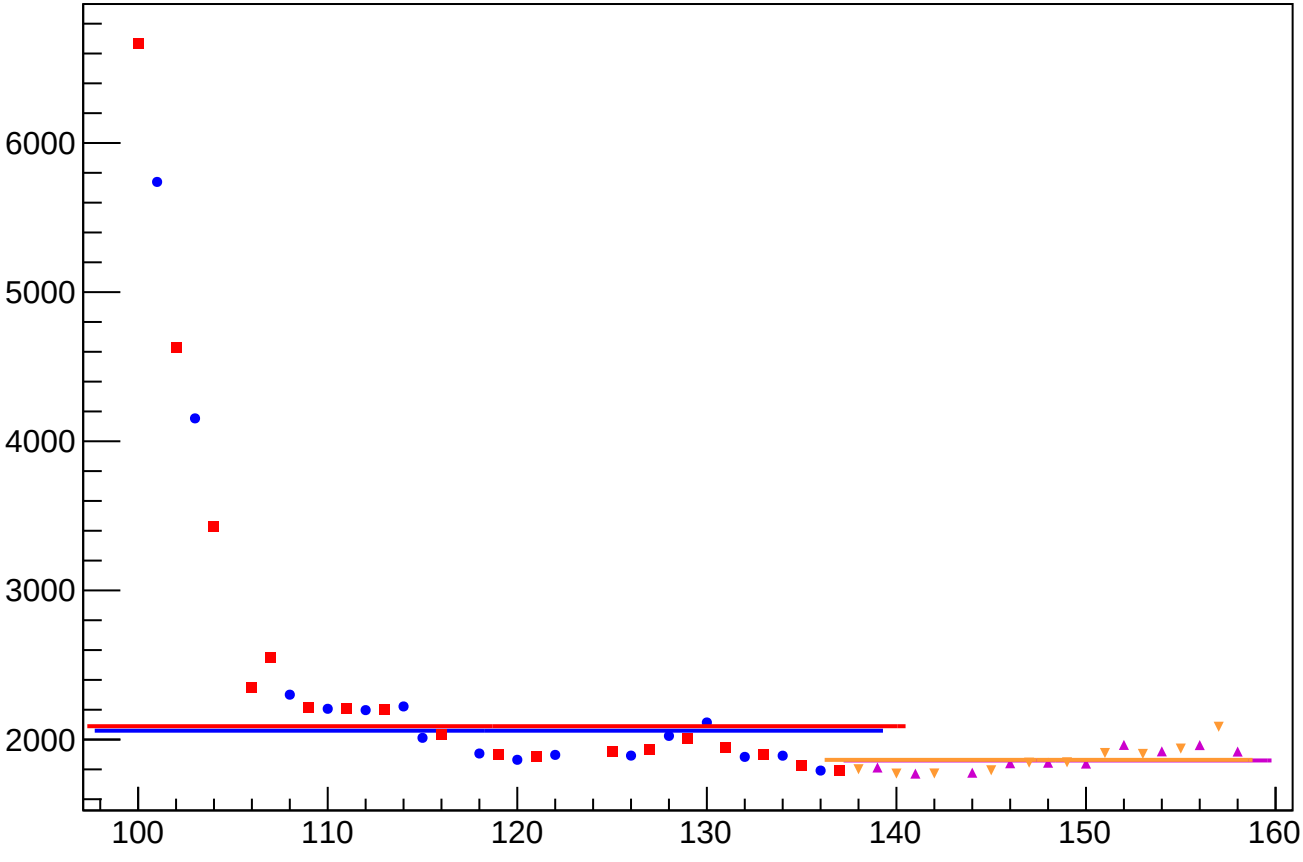
Left In: 686.841+/-630.089 χ^2/NDF:12.5/9

+ sign -322.161+/-509.181 χ^2/NDF: 30.3/25

All: 31.756+/-354.411 χ^2/NDF: 56.0/53

- sign 364.353+/-493.606 χ^2/NDF: 24.8/27

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1863.807+/-0.470 χ^2/NDF:34703.6/9

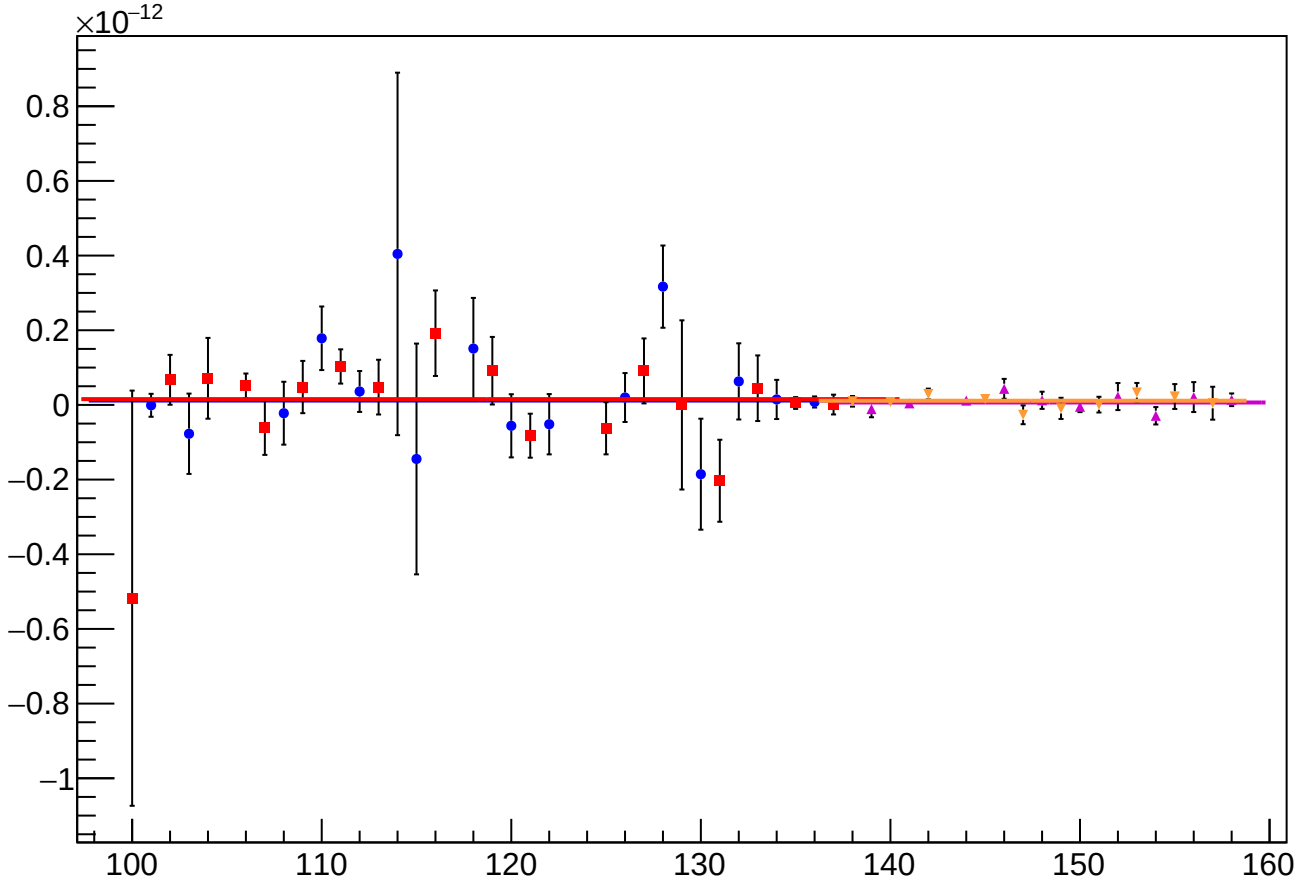
Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1859.830+/-0.446 χ^2/NDF:22804.4/9

+ sign 1944.757+/-0.360 χ^2/NDF: 1046226.4/25

All: 1946.708+/-0.251 χ^2/NDF: 1853183.1/53

- sign 1948.542+/-0.349 χ^2/NDF: 806899.7/27



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.7/9

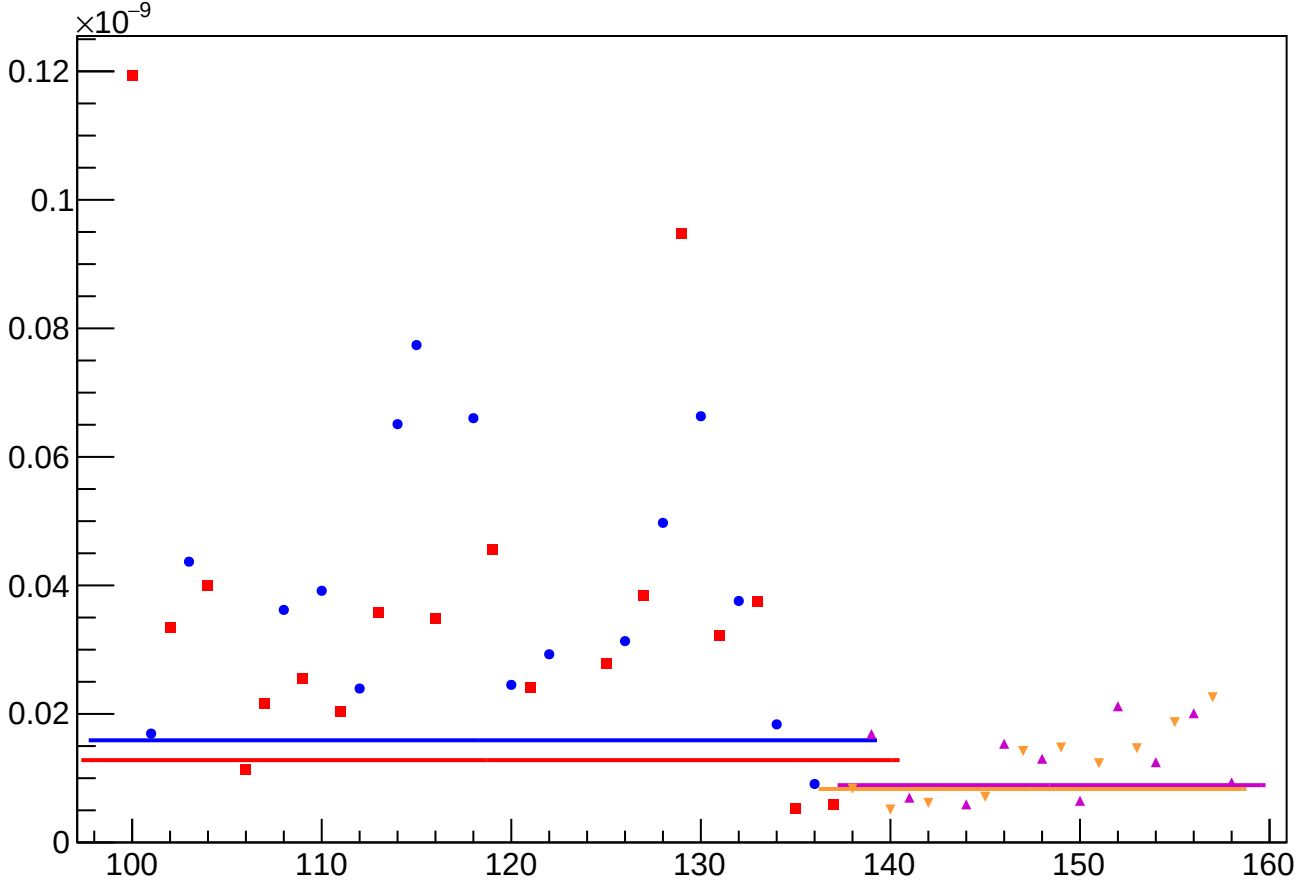
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/17

Left In: 0.000+/-0.000 χ^2/NDF:6.4/9

+ sign 0.000+/-0.000 χ^2/NDF: 23.8/25

All: 0.000+/-0.000 χ^2/NDF: 51.6/53

- sign 0.000+/-0.000 χ^2/NDF: 27.7/27



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1098487.2/9

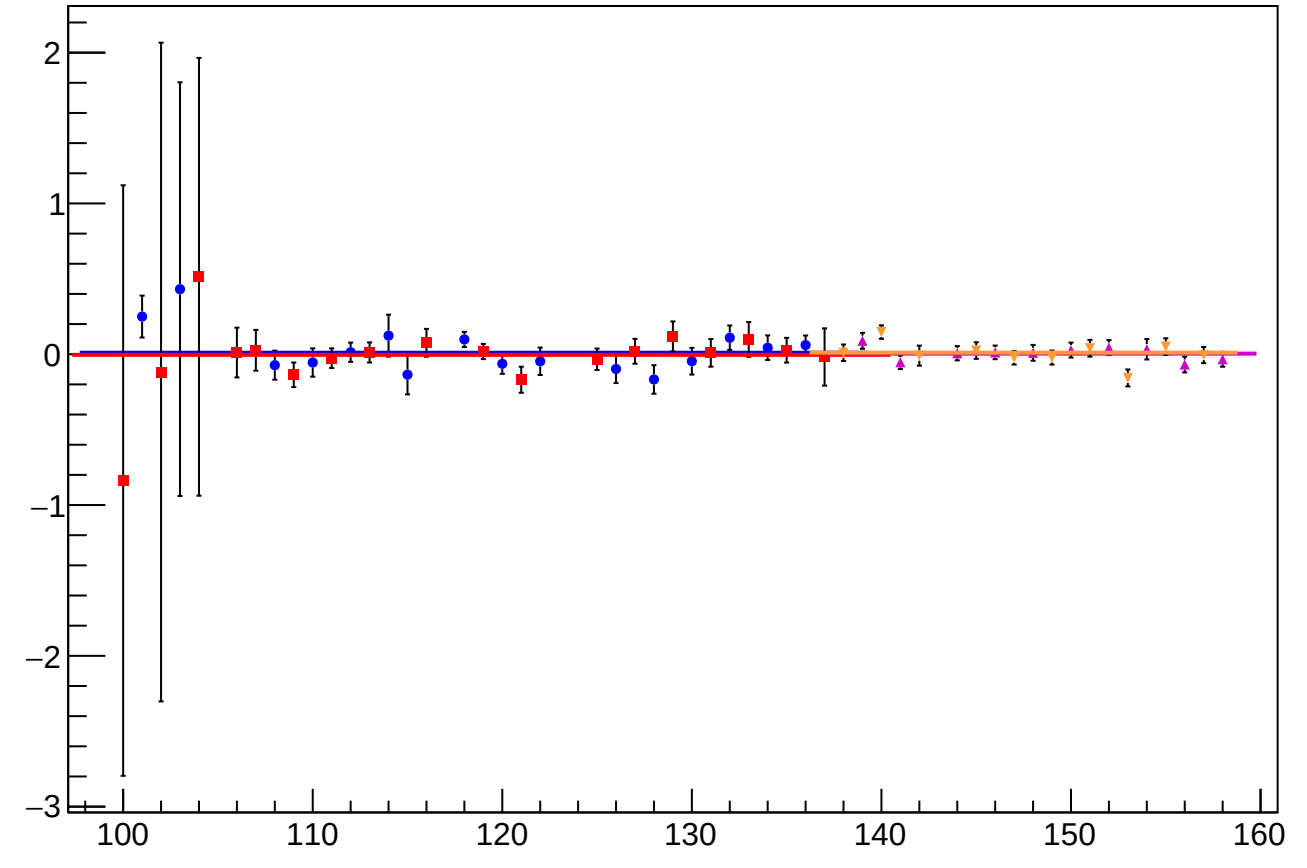
Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1188702.4/9

+ sign 0.000+/-0.000 χ^2/NDF: 3740266.1/25

All: 0.000+/-0.000 χ^2/NDF: 7626891.3/53

- sign 0.000+/-0.000 χ^2/NDF: 3886482.6/27



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.011+/-0.017 χ^2/NDF:20.3/9

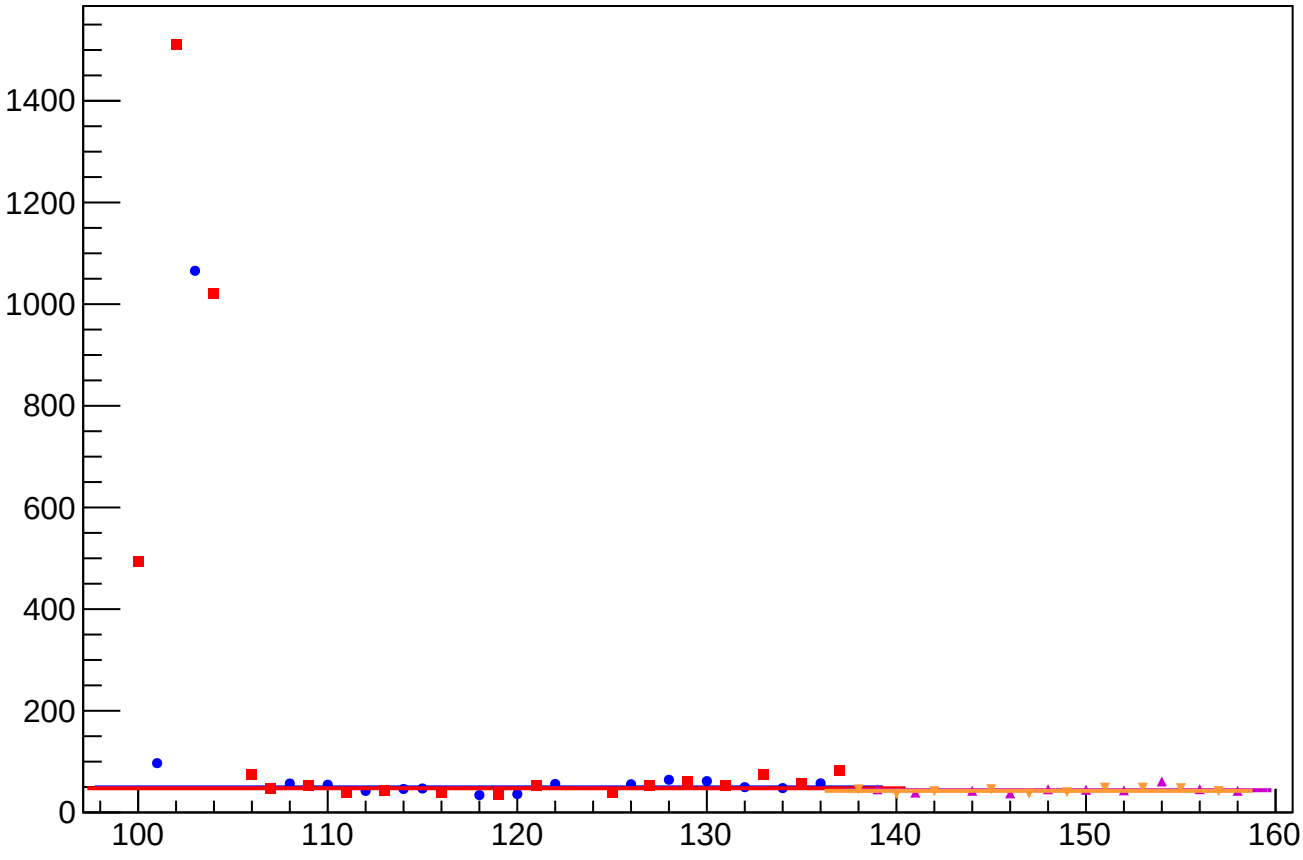
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.004+/-0.016 χ^2/NDF:7.8/9

+ sign 0.011+/-0.013 χ^2/NDF: 38.8/25

All: 0.006+/-0.009 χ^2/NDF: 57.4/53

- sign 0.001+/-0.013 χ^2/NDF: 18.4/27



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 42.518+/-0.012 χ^2/NDF:151331.0/9

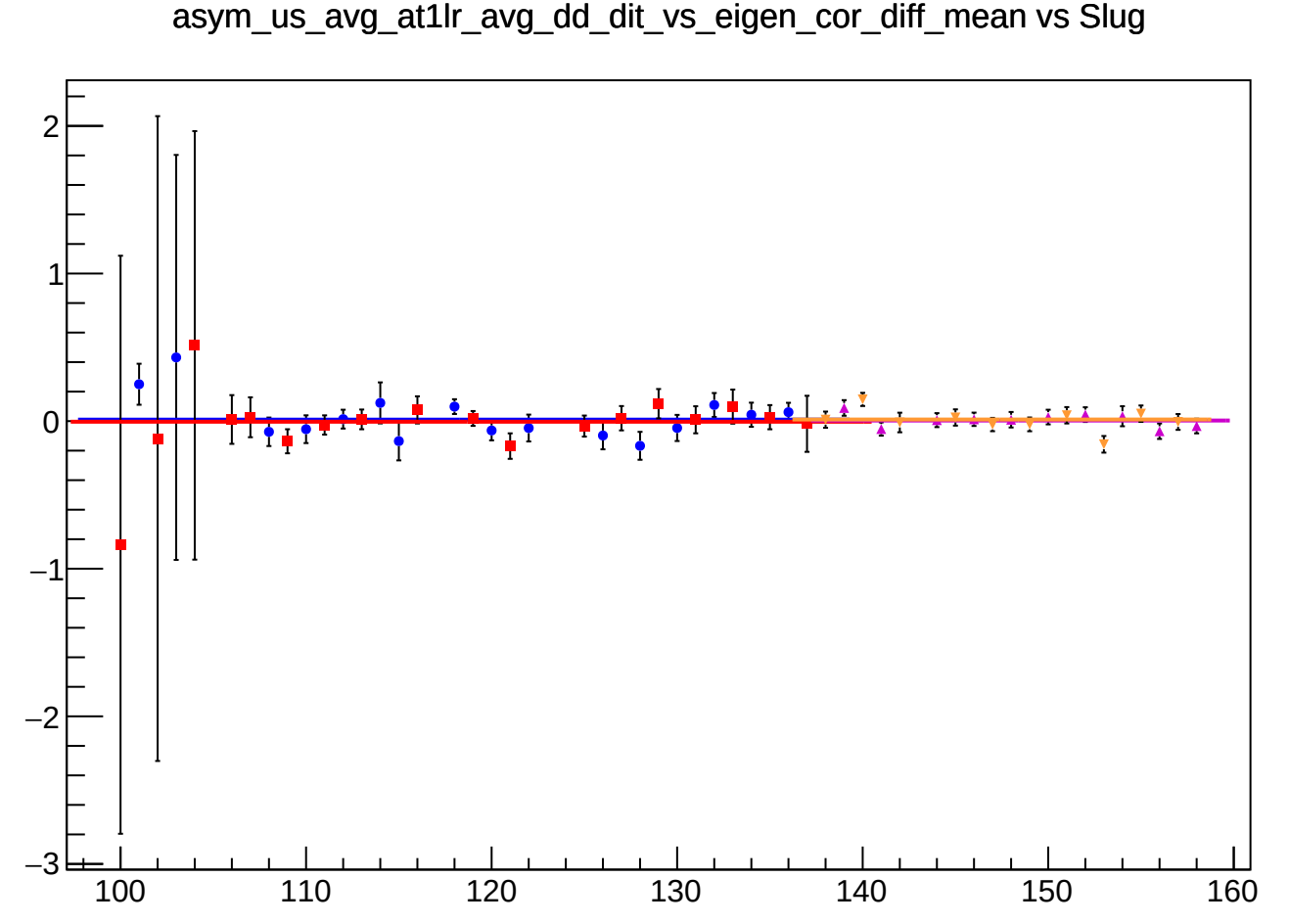
Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 43.760+/-0.011 χ^2/NDF:199892.9/9

+ sign 45.133+/-0.009 χ^2/NDF: 2058674.0/25

All: 45.127+/-0.006 χ^2/NDF: 4717981.5/53

- sign 45.121+/-0.009 χ^2/NDF: 2659306.7/27



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.011+/-0.017 χ^2/NDF:20.3/9

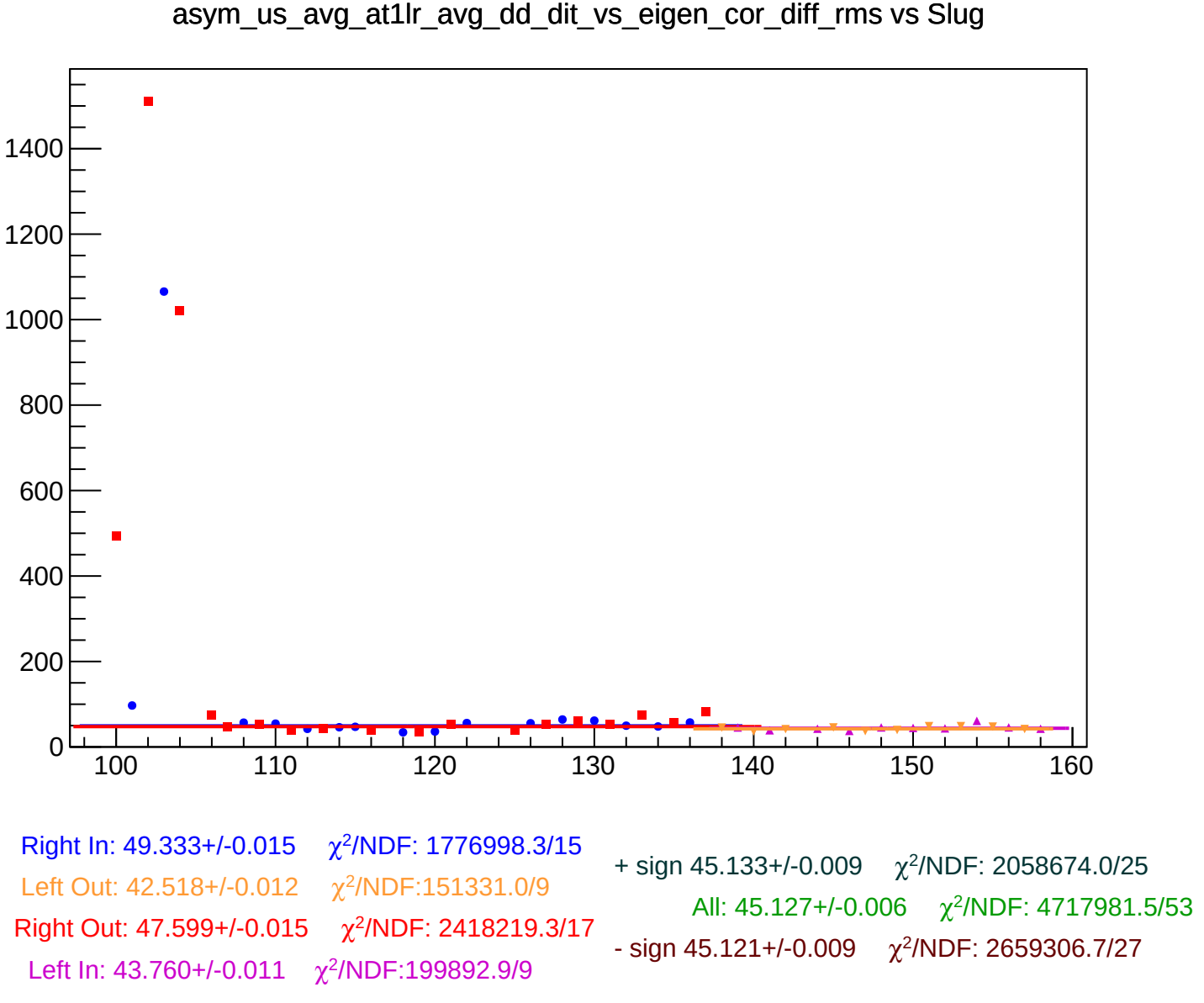
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

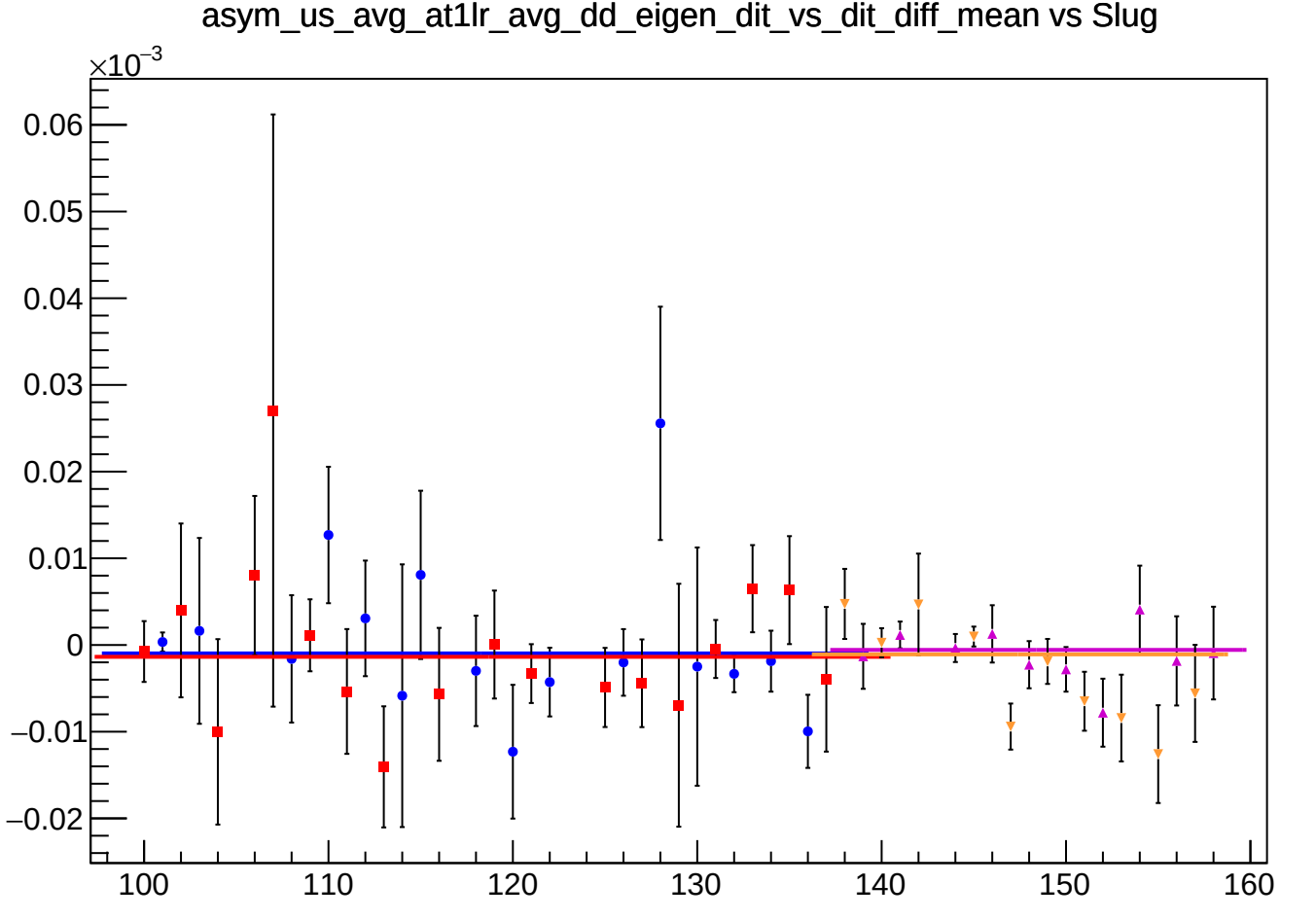
Left In: 0.004+/-0.016 χ^2/NDF:7.8/9

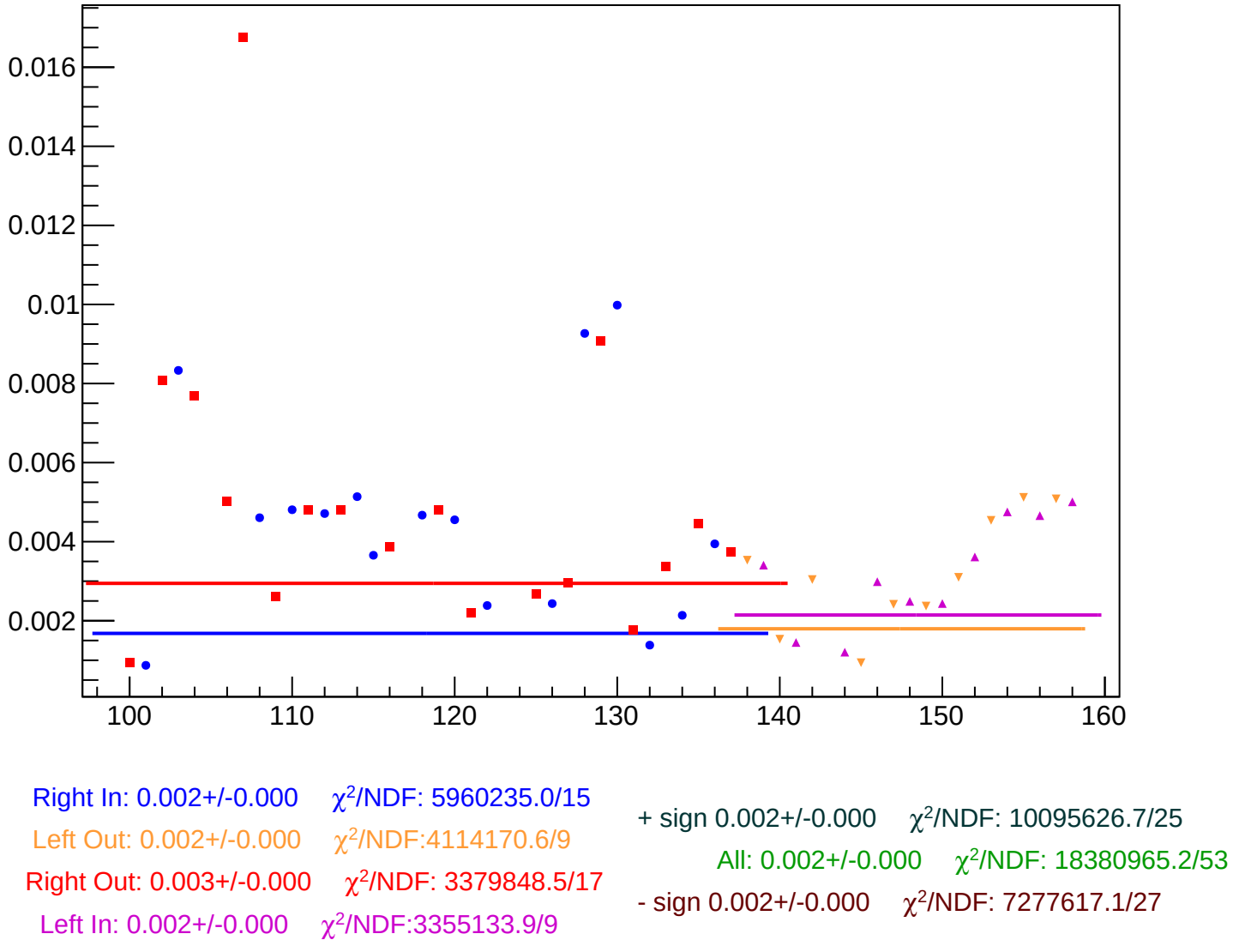
+ sign 0.011+/-0.013 χ^2/NDF: 38.8/25

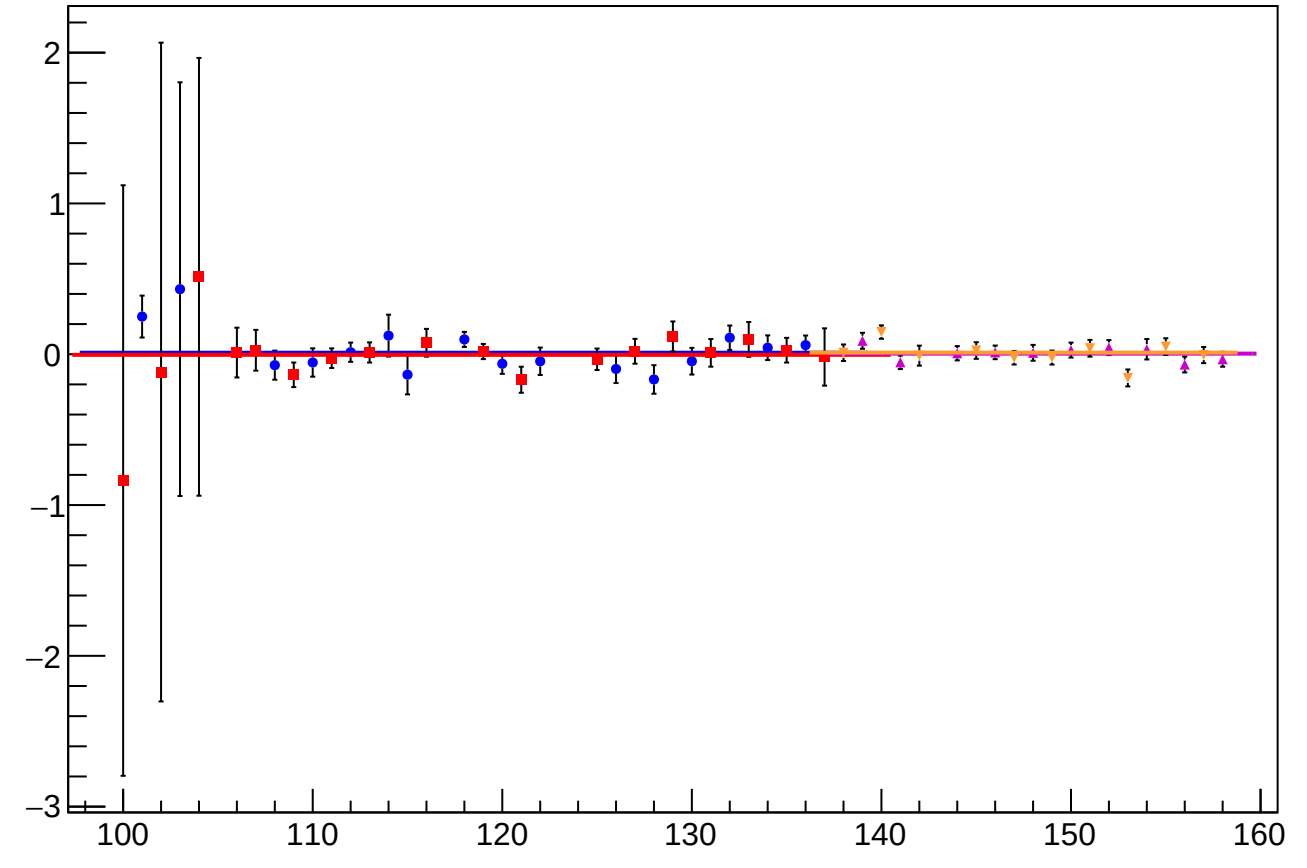
All: 0.006+/-0.009 χ^2/NDF: 57.4/53

- sign 0.001+/-0.013 χ^2/NDF: 18.4/27


asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
0
100
110
120
130
140
150
160
Right In: 49.333+/-0.015 χ²/NDF: 1776998.3/15
Left Out: 42.518+/-0.012 χ²/NDF:151331.0/9
Right Out: 47.599+/-0.015 χ²/NDF: 2418219.3/17
Left In: 43.760+/-0.011 χ²/NDF:199892.9/9
+ sign 45.133+/-0.009 χ²/NDF: 2058674.0/25
All: 45.127+/-0.006 χ²/NDF: 4717981.5/53
- sign 45.121+/-0.009 χ²/NDF: 2659306.7/27


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.06
0.05
0.04
0.03
0.02
0.01
0
−0.01
−0.02
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 18.6/15
Left Out: -0.000+/-0.000 χ²/NDF:26.3/9
Right Out: -0.000+/-0.000 χ²/NDF: 12.6/17
Left In: -0.000+/-0.000 χ²/NDF:7.1/9
+ sign -0.000+/-0.000 χ²/NDF: 45.0/25
All: -0.000+/-0.000 χ²/NDF: 65.0/53
- sign -0.000+/-0.000 χ²/NDF: 20.0/27


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
Right In: 0.002+/-0.000 χ²/NDF: 5960235.0/15
Left Out: 0.002+/-0.000 χ²/NDF:4114170.6/9
Right Out: 0.003+/-0.000 χ²/NDF: 3379848.5/17
Left In: 0.002+/-0.000 χ²/NDF:3355133.9/9
+ sign 0.002+/-0.000 χ²/NDF: 10095626.7/25
All: 0.002+/-0.000 χ²/NDF: 18380965.2/53
- sign 0.002+/-0.000 χ²/NDF: 7277617.1/27



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.011+/-0.017 χ^2/NDF:20.3/9

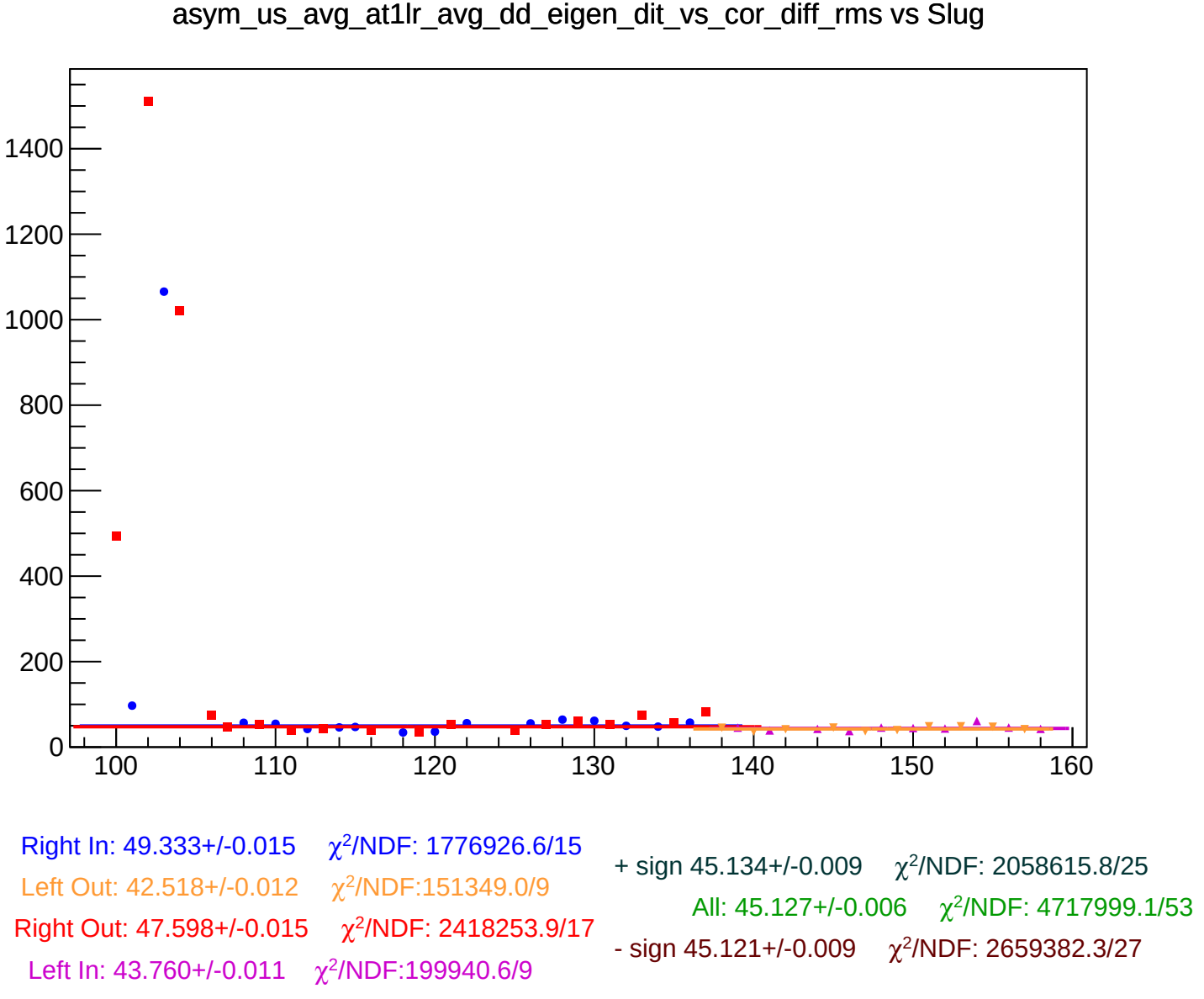
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.004+/-0.016 χ^2/NDF:7.8/9

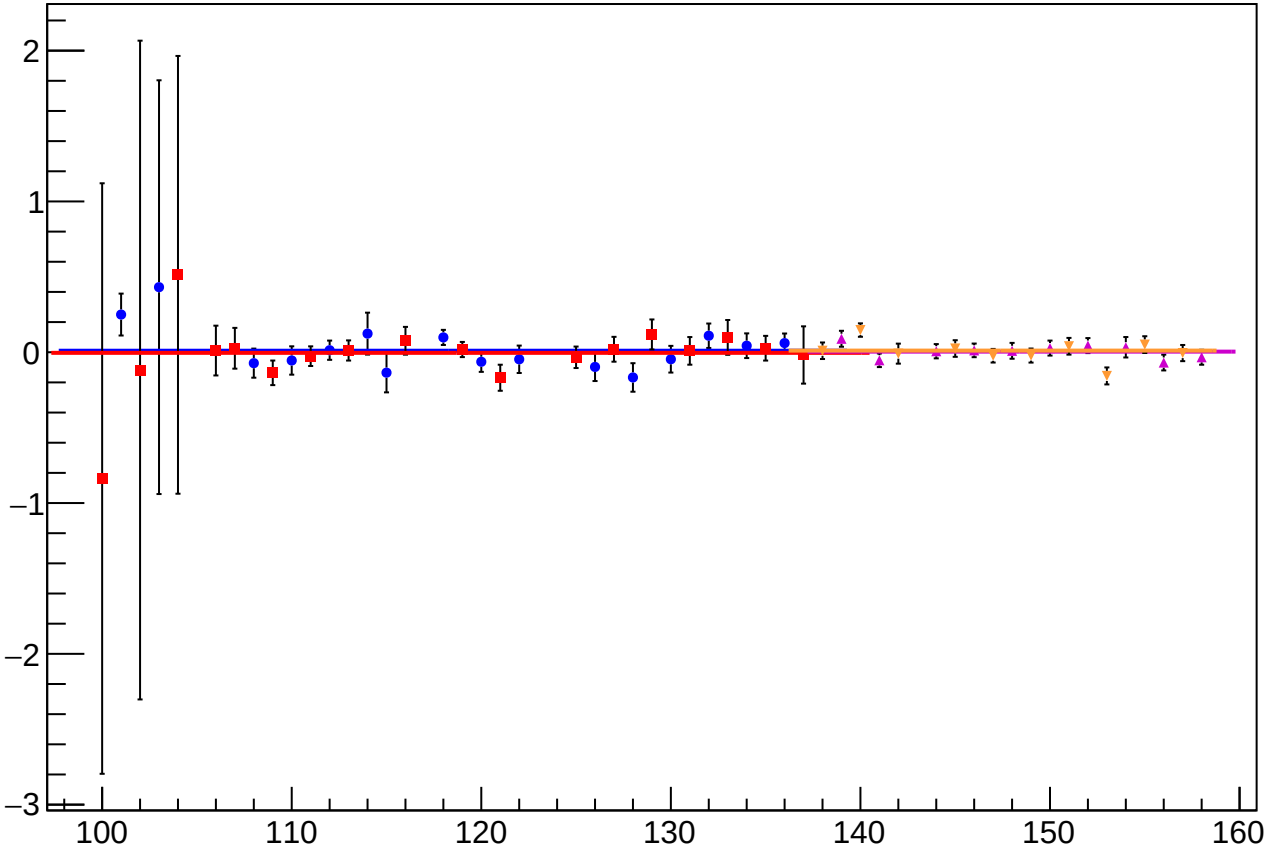
+ sign 0.011+/-0.013 χ^2/NDF: 38.8/25

All: 0.006+/-0.009 χ^2/NDF: 57.4/53

- sign 0.001+/-0.013 χ^2/NDF: 18.4/27


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
0
100
110
120
130
140
150
160
Right In: 49.333+/-0.015 χ²/NDF: 1776926.6/15
Left Out: 42.518+/-0.012 χ²/NDF:151349.0/9
Right Out: 47.598+/-0.015 χ²/NDF: 2418253.9/17
Left In: 43.760+/-0.011 χ²/NDF:199940.6/9
+ sign 45.134+/-0.009 χ²/NDF: 2058615.8/25
All: 45.127+/-0.006 χ²/NDF: 4717999.1/53
- sign 45.121+/-0.009 χ²/NDF: 2659382.3/27

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.011+/-0.017 χ^2/NDF:20.3/9

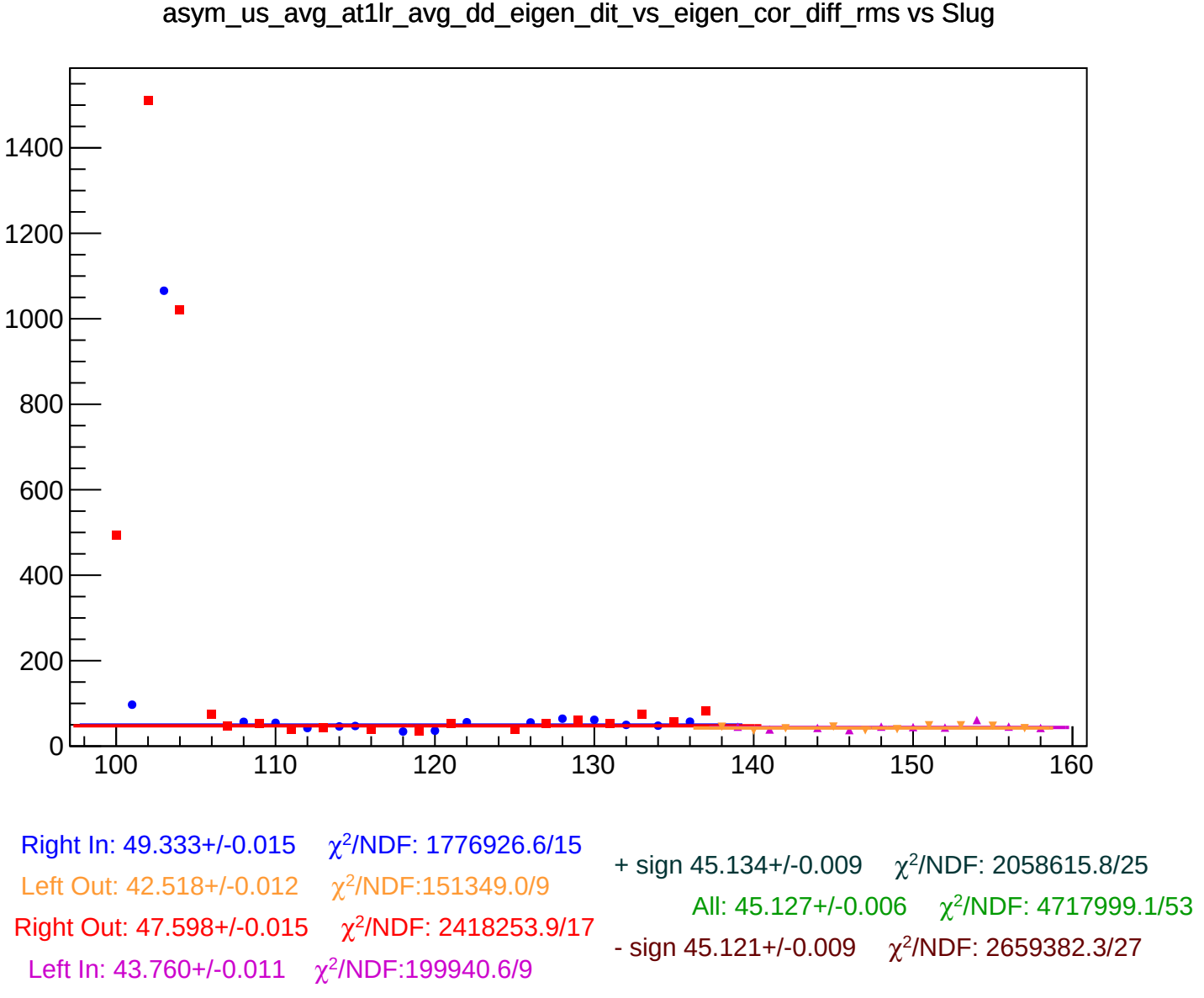
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

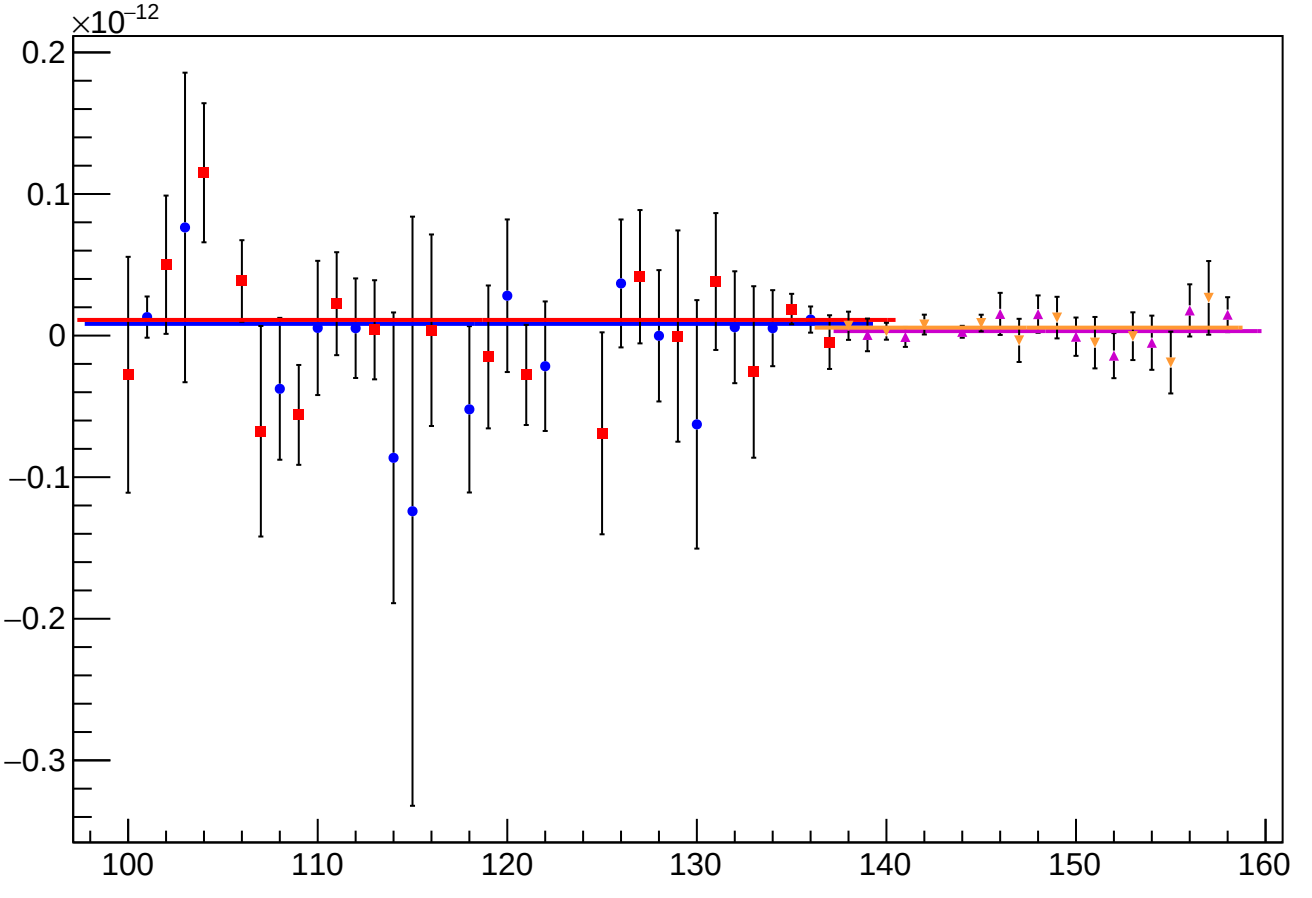
Left In: 0.004+/-0.016 χ^2/NDF:7.8/9

+ sign 0.011+/-0.013 χ^2/NDF: 38.8/25

All: 0.006+/-0.009 χ^2/NDF: 57.4/53

- sign 0.001+/-0.013 χ^2/NDF: 18.4/27


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
0
100
110
120
130
140
150
160
Right In: 49.333+/-0.015 χ²/NDF: 1776926.6/15
Left Out: 42.518+/-0.012 χ²/NDF:151349.0/9
Right Out: 47.598+/-0.015 χ²/NDF: 2418253.9/17
Left In: 43.760+/-0.011 χ²/NDF:199940.6/9
+ sign 45.134+/-0.009 χ²/NDF: 2058615.8/25
All: 45.127+/-0.006 χ²/NDF: 4717999.1/53
- sign 45.121+/-0.009 χ²/NDF: 2659382.3/27



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.6/9

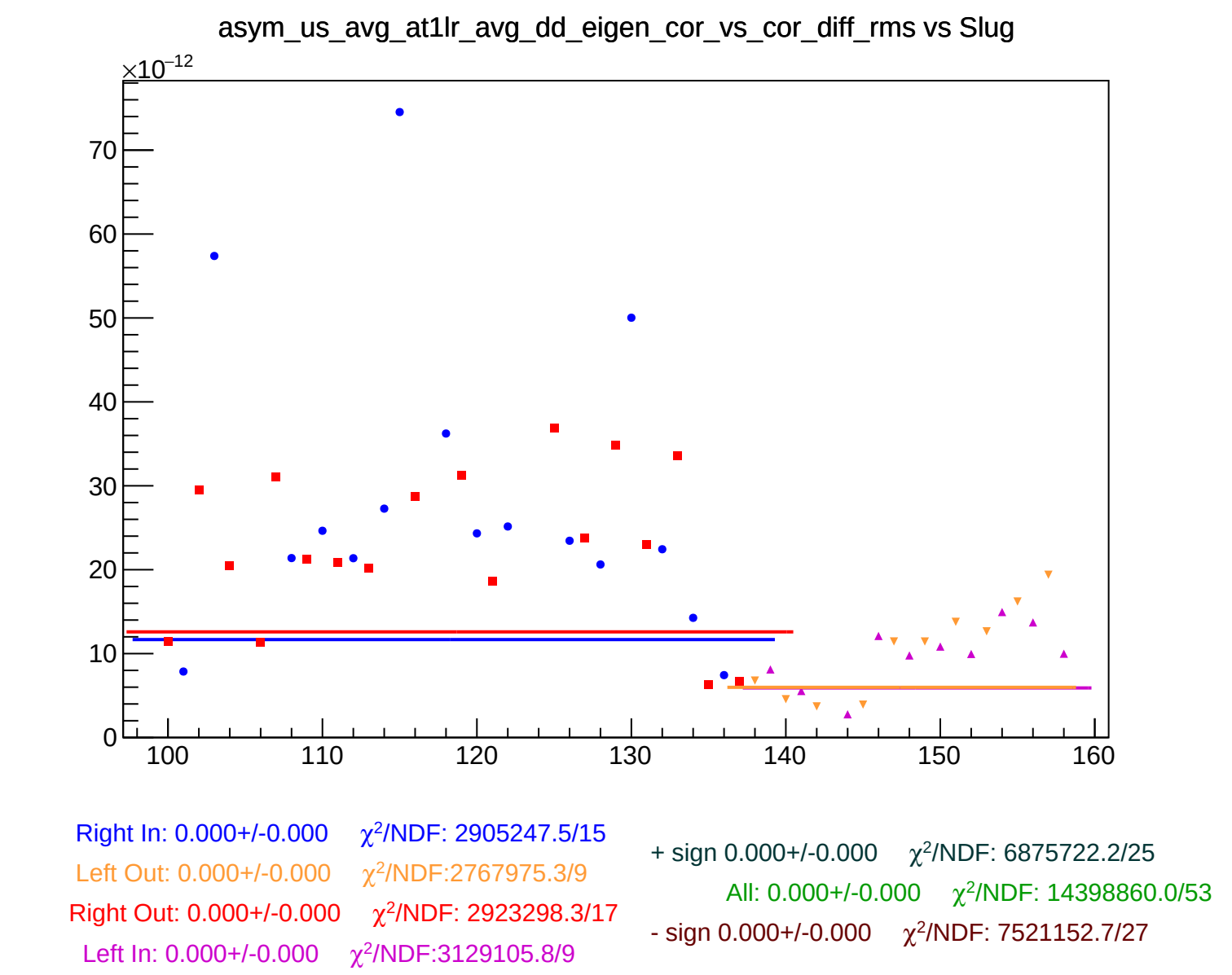
Right Out: 0.000+/-0.000 χ^2/NDF: 16.2/17

Left In: 0.000+/-0.000 χ^2/NDF:4.9/9

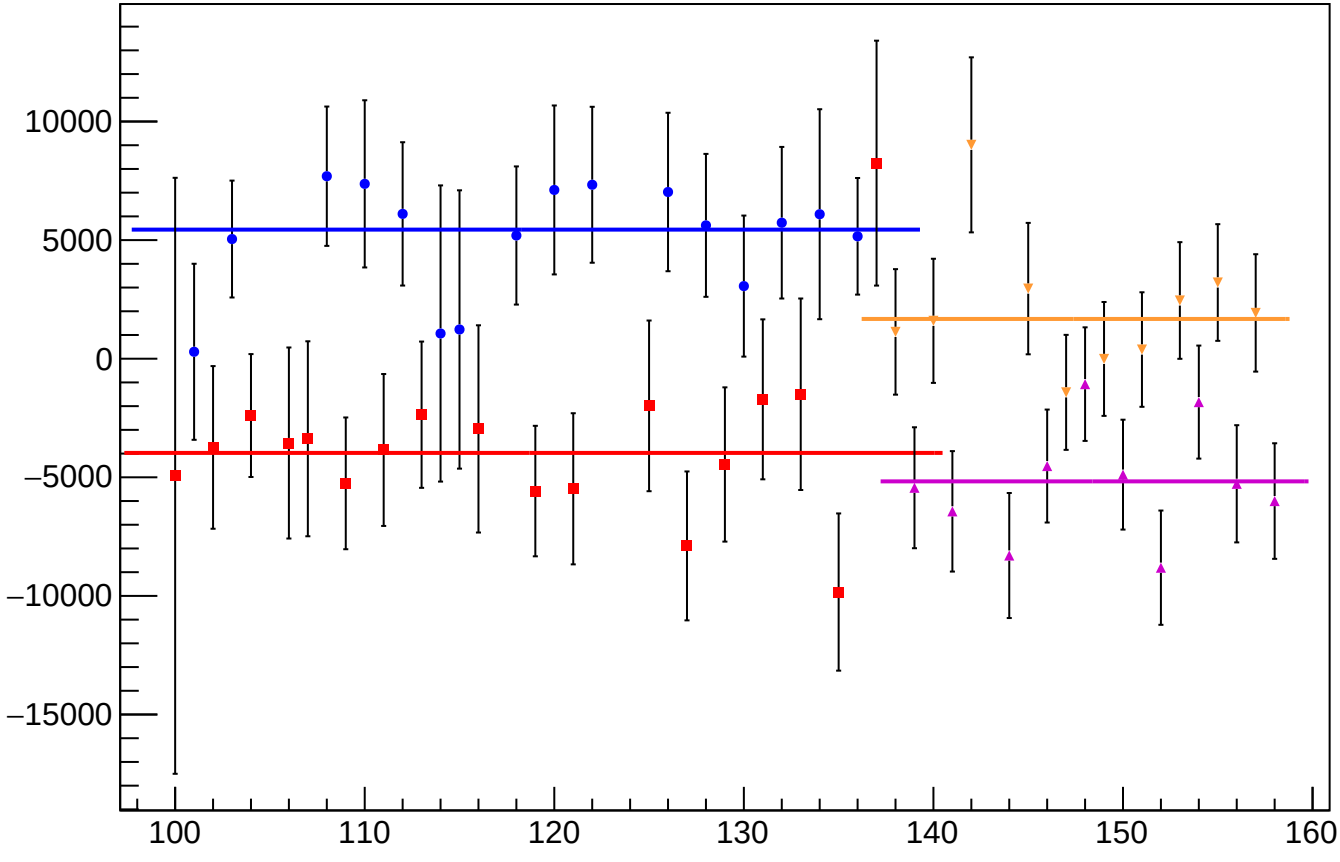
+ sign 0.000+/-0.000 χ^2/NDF: 9.1/25

All: 0.000+/-0.000 χ^2/NDF: 31.4/53

- sign 0.000+/-0.000 χ^2/NDF: 22.1/27


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
0
10
20
30
40
50
60
70
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2905247.5/15
Left Out: 0.000+/-0.000 χ²/NDF:2767975.3/9
Right Out: 0.000+/-0.000 χ²/NDF: 2923298.3/17
Left In: 0.000+/-0.000 χ²/NDF:3129105.8/9
+ sign 0.000+/-0.000 χ²/NDF: 6875722.2/25
All: 0.000+/-0.000 χ²/NDF: 14398860.0/53
- sign 0.000+/-0.000 χ²/NDF: 7521152.7/27

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1676.235+/-815.982 χ^2/NDF:7.1/9

Right Out: -3971.728+/-809.023 χ^2/NDF: 13.0/17

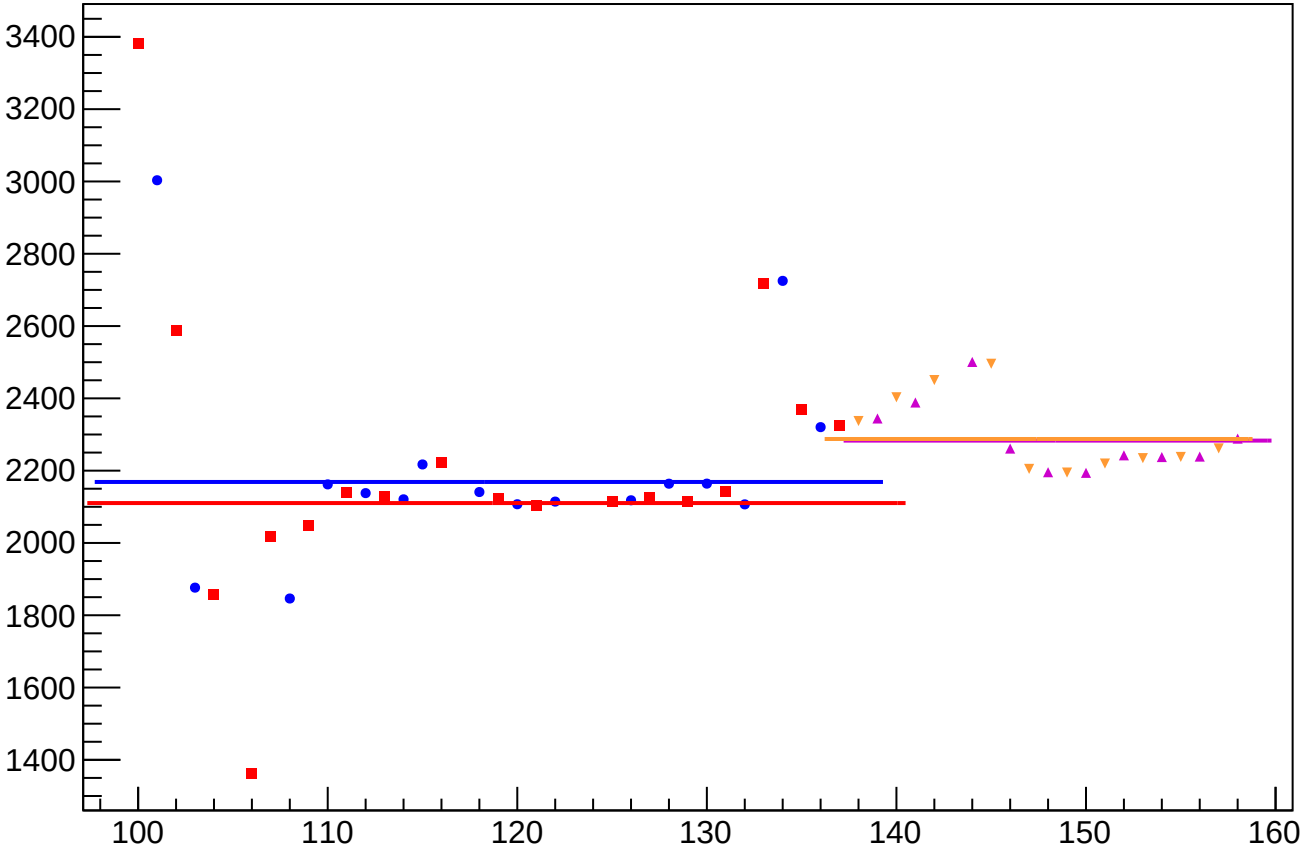
Left In: -5171.540+/-773.599 χ^2/NDF:9.1/9

+ sign 3567.259+/-575.763 χ^2/NDF: 23.2/25

All: -635.327+/-401.113 χ^2/NDF: 149.9/53

- sign -4598.477+/-559.121 χ^2/NDF: 23.2/27

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2287.587+/-0.577 χ^2/NDF:28653.3/9

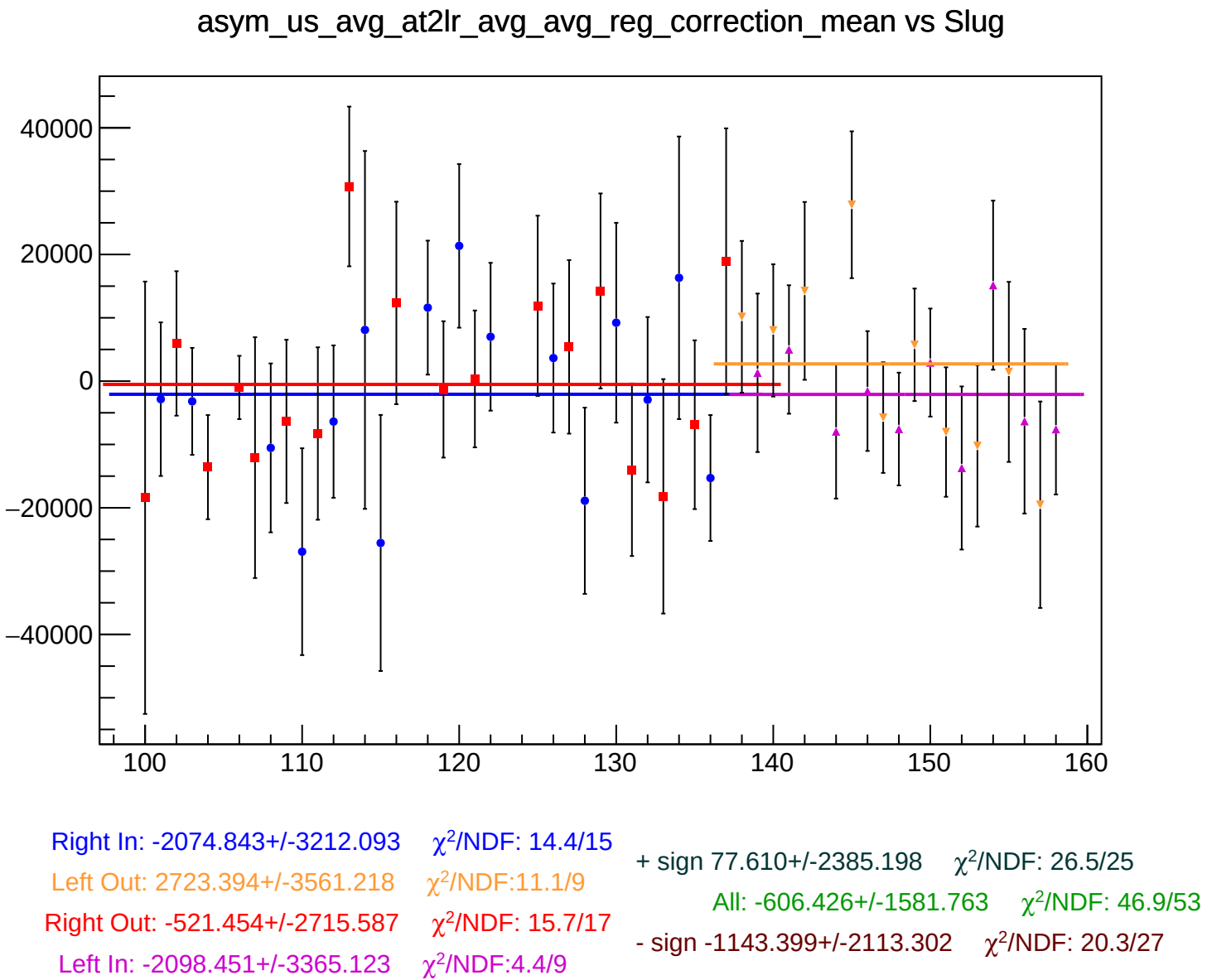
Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

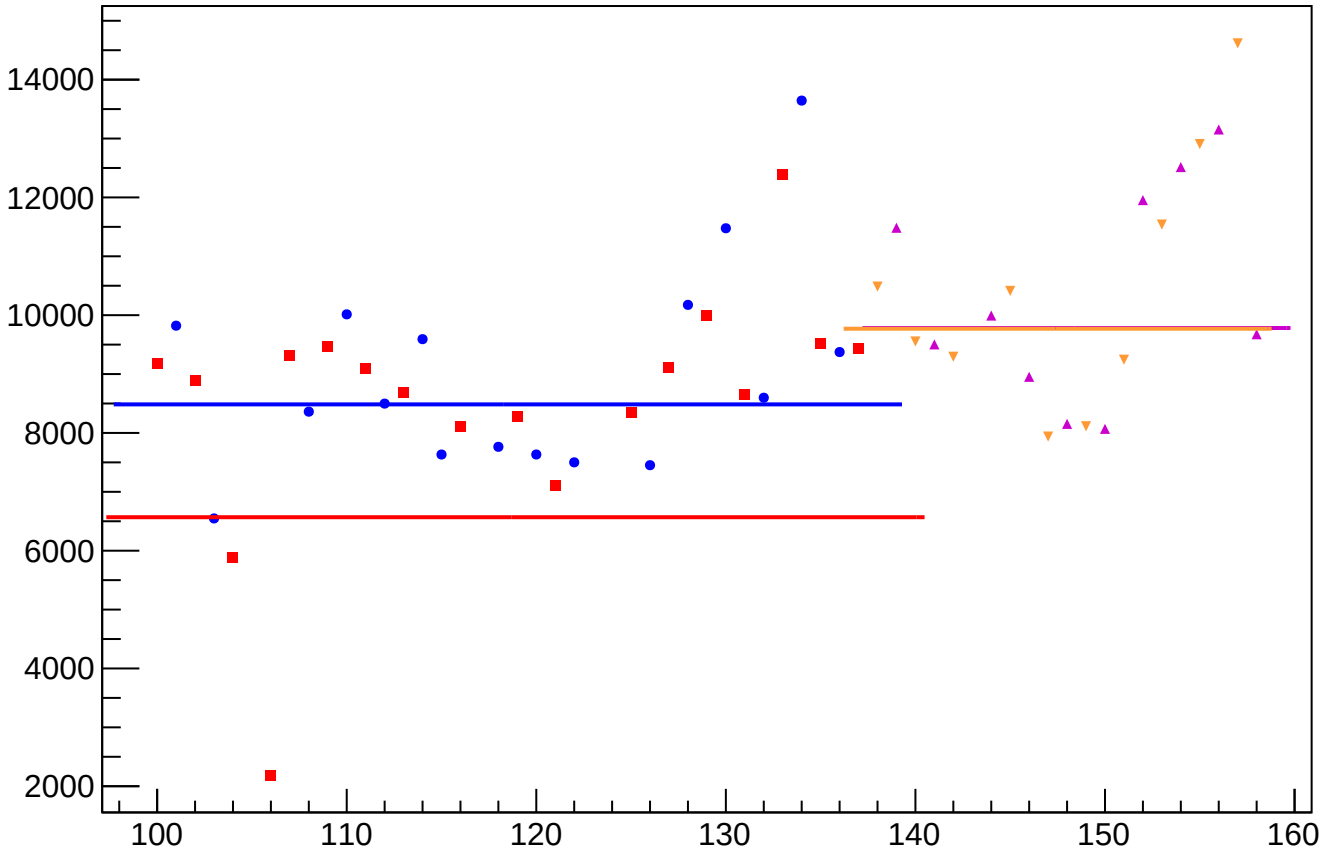
Left In: 2283.132+/-0.547 χ^2/NDF:25989.9/9

+ sign 2227.899+/-0.407 χ^2/NDF: 245625.1/25

All: 2213.035+/-0.283 χ^2/NDF: 590041.0/53

- sign 2199.232+/-0.392 χ^2/NDF: 341845.0/27


asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
Right In: -2074.843+/-3212.093 χ²/NDF: 14.4/15
Left Out: 2723.394+/-3561.218 χ²/NDF:11.1/9
Right Out: -521.454+/-2715.587 χ²/NDF: 15.7/17
Left In: -2098.451+/-3365.123 χ²/NDF:4.4/9
+ sign 77.610+/-2385.198 χ²/NDF: 26.5/25
All: -606.426+/-1581.763 χ²/NDF: 46.9/53
- sign -1143.399+/-2113.302 χ²/NDF: 20.3/27



Right In: 8485.000+/-2.271 χ^2/NDF: 422706.1/15

Left Out: 9769.718+/-2.518 χ^2/NDF:491808.8/9

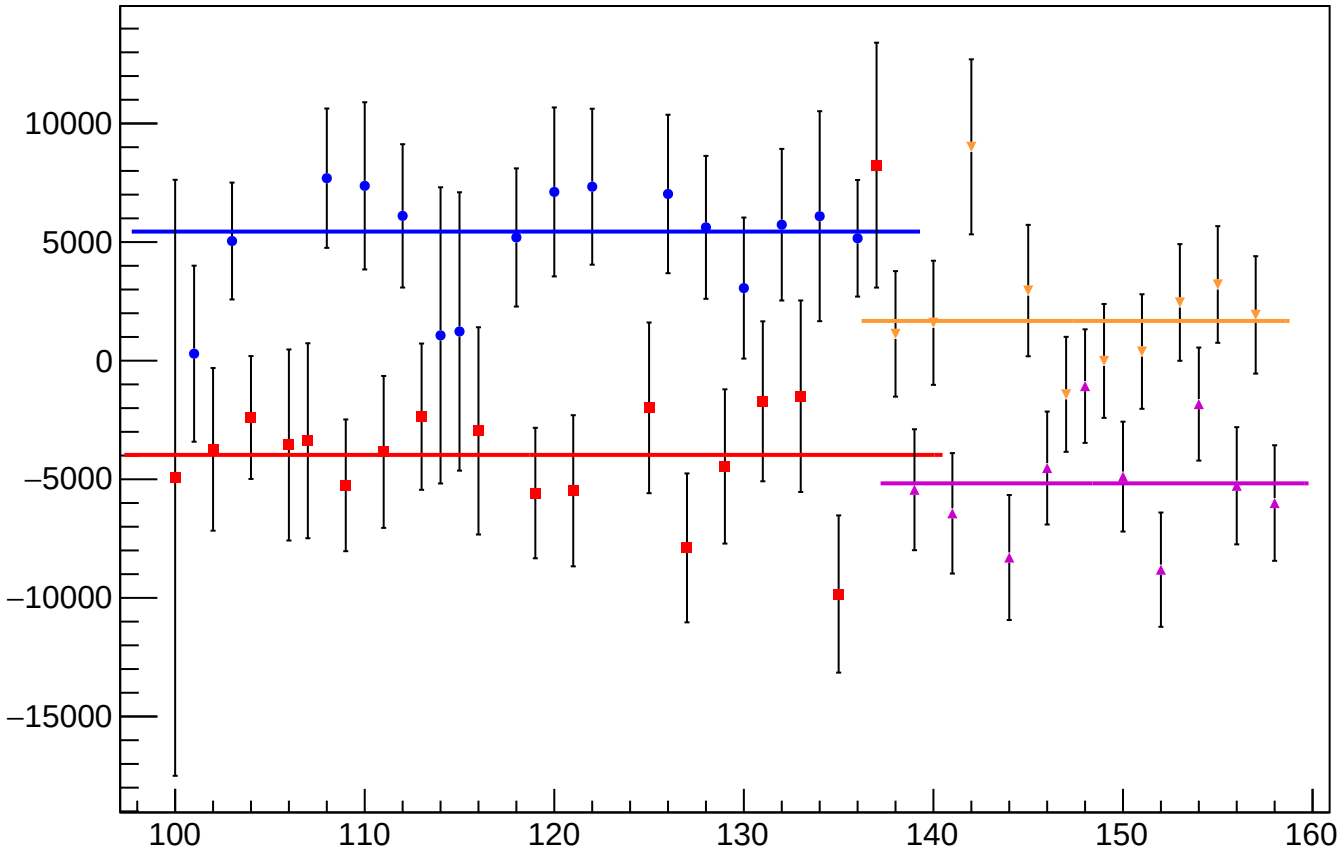
Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

Left In: 9782.326+/-2.380 χ^2/NDF:450156.3/9

+ sign 9061.314+/-1.687 χ^2/NDF: 1058037.9/25

All: 8374.932+/-1.118 χ^2/NDF: 5477332.3/53

- sign 7836.115+/-1.494 χ^2/NDF: 4123660.7/27



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1676.183+/-815.982 χ^2/NDF:7.1/9

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

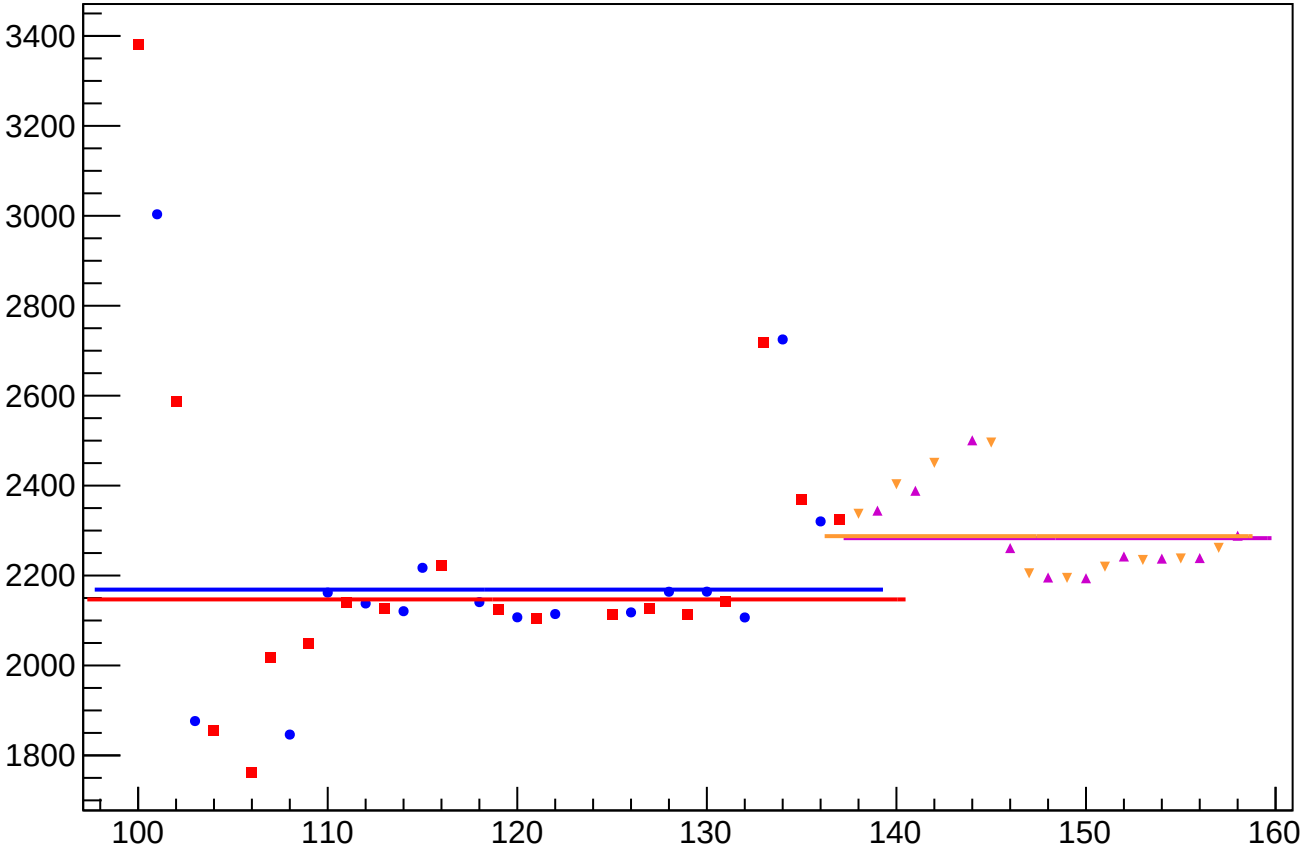
Left In: -5171.749+/-773.599 χ^2/NDF:9.1/9

\+ sign 3567.305+/-575.763 χ^2/NDF: 23.2/25

All: -635.298+/-401.113 χ^2/NDF: 149.9/53

\- sign -4598.462+/-559.121 χ^2/NDF: 23.2/27

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2287.587+/-0.577 χ^2/NDF:28653.3/9

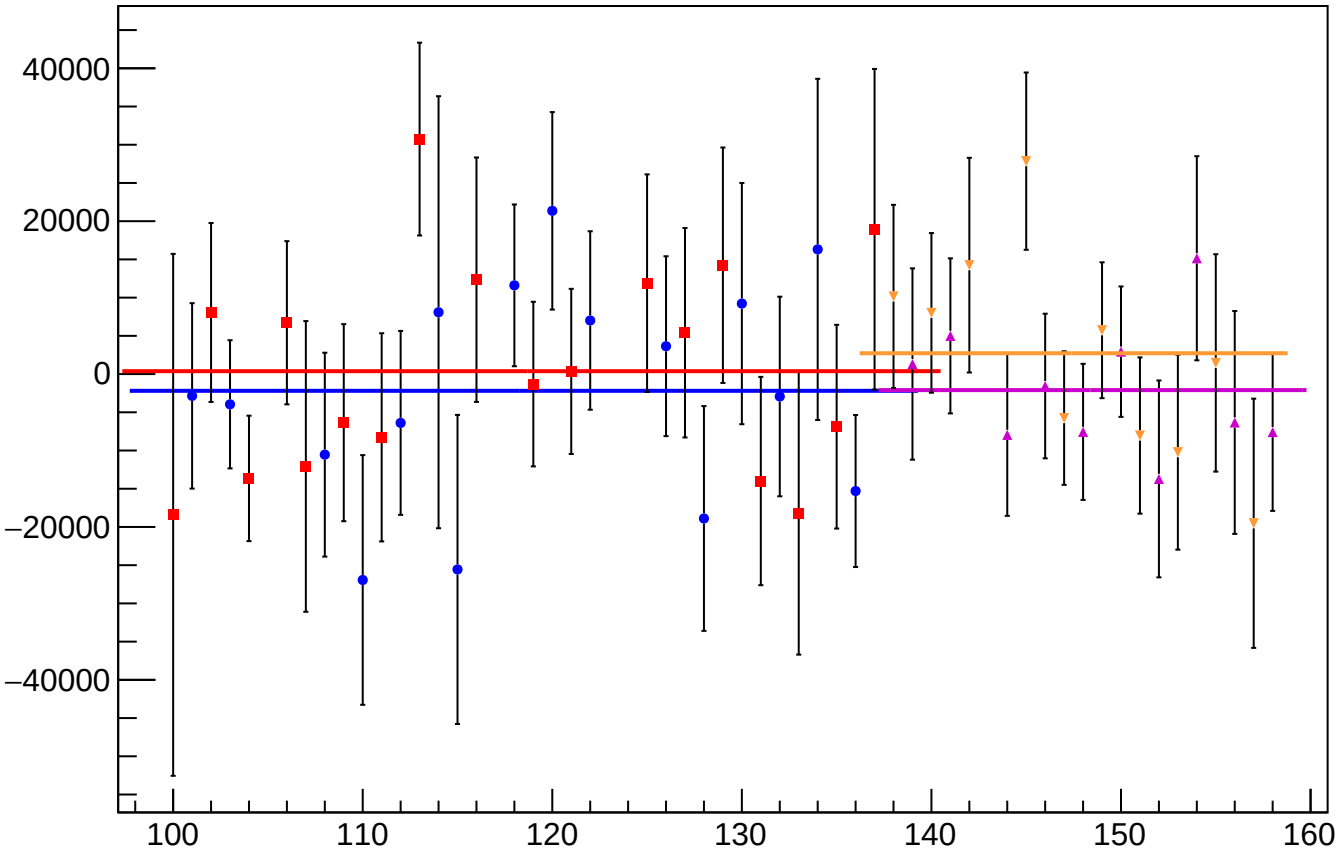
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2283.132+/-0.547 χ^2/NDF:25989.9/9

+ sign 2227.899+/-0.407 χ^2/NDF: 245625.6/25

All: 2222.648+/-0.283 χ^2/NDF: 459472.3/53

- sign 2217.720+/-0.394 χ^2/NDF: 213524.2/27



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: 2723.376+/-3561.215 χ^2/NDF:11.1/9

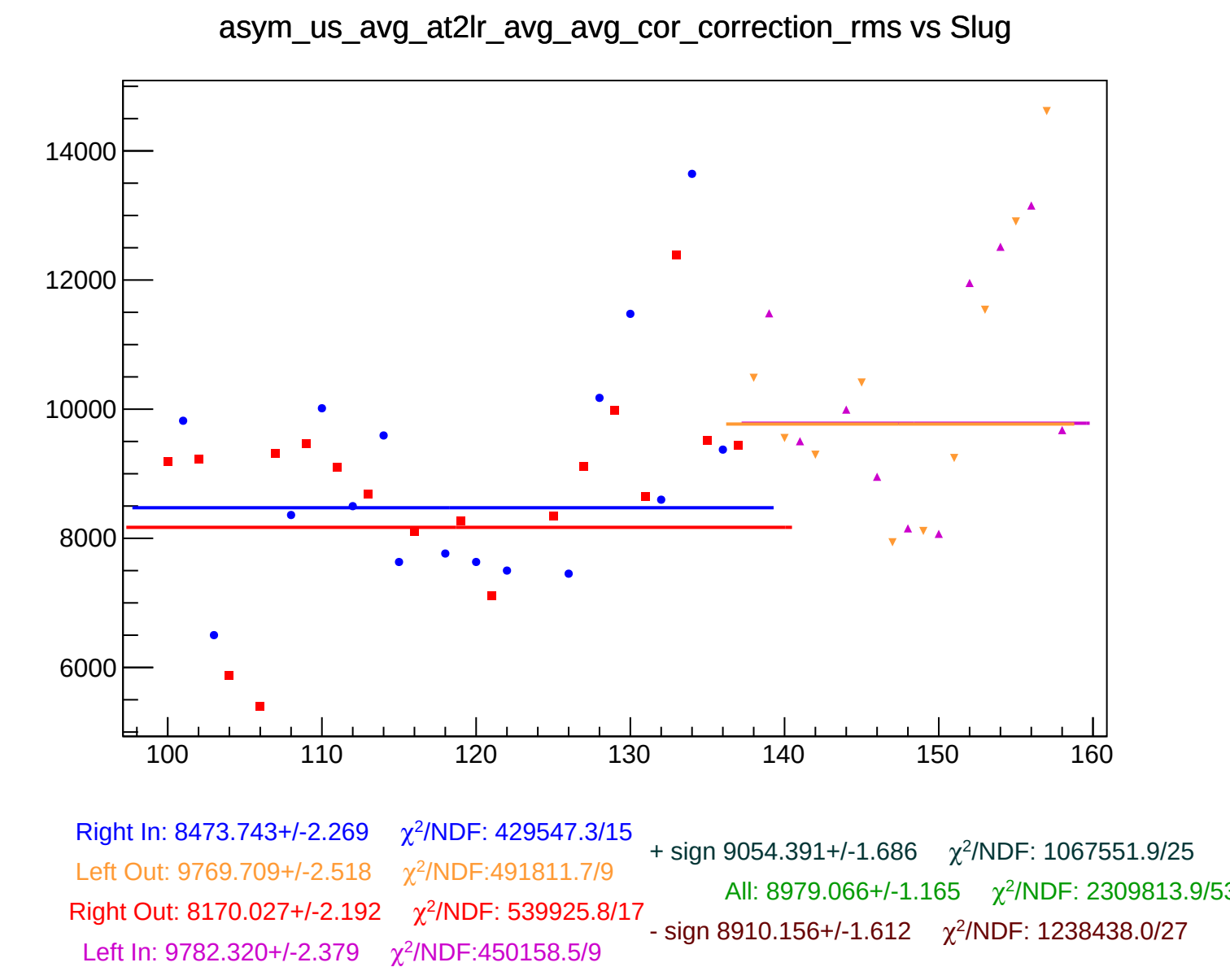
Right Out: 379.236+/-3099.953 χ^2/NDF: 16.3/17

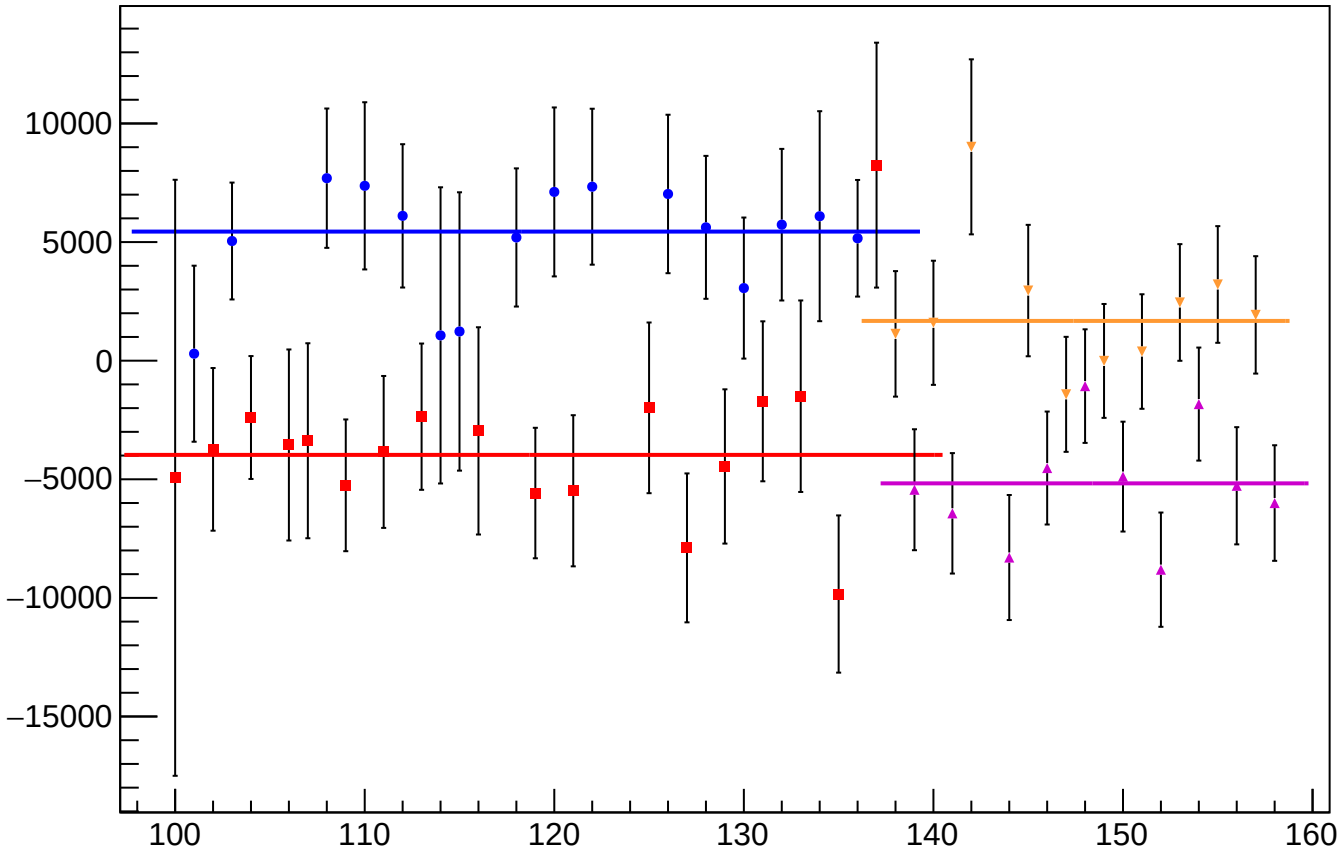
Left In: -2098.717+/-3365.121 χ^2/NDF:4.4/9

+ sign 11.813+/-2383.735 χ^2/NDF: 26.6/25

All: -390.354+/-1647.651 χ^2/NDF: 47.7/53

- sign -758.277+/-2279.987 χ^2/NDF: 21.0/27


asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
Right In: 8473.743+/-2.269 χ²/NDF: 429547.3/15
Left Out: 9769.709+/-2.518 χ²/NDF:491811.7/9
Right Out: 8170.027+/-2.192 χ²/NDF: 539925.8/17
Left In: 9782.320+/-2.379 χ²/NDF:450158.5/9
+ sign 9054.391+/-1.686 χ²/NDF: 1067551.9/25
All: 8979.066+/-1.165 χ²/NDF: 2309813.9/53
- sign 8910.156+/-1.612 χ²/NDF: 1238438.0/27



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1676.183+/-815.982 χ^2/NDF:7.1/9

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

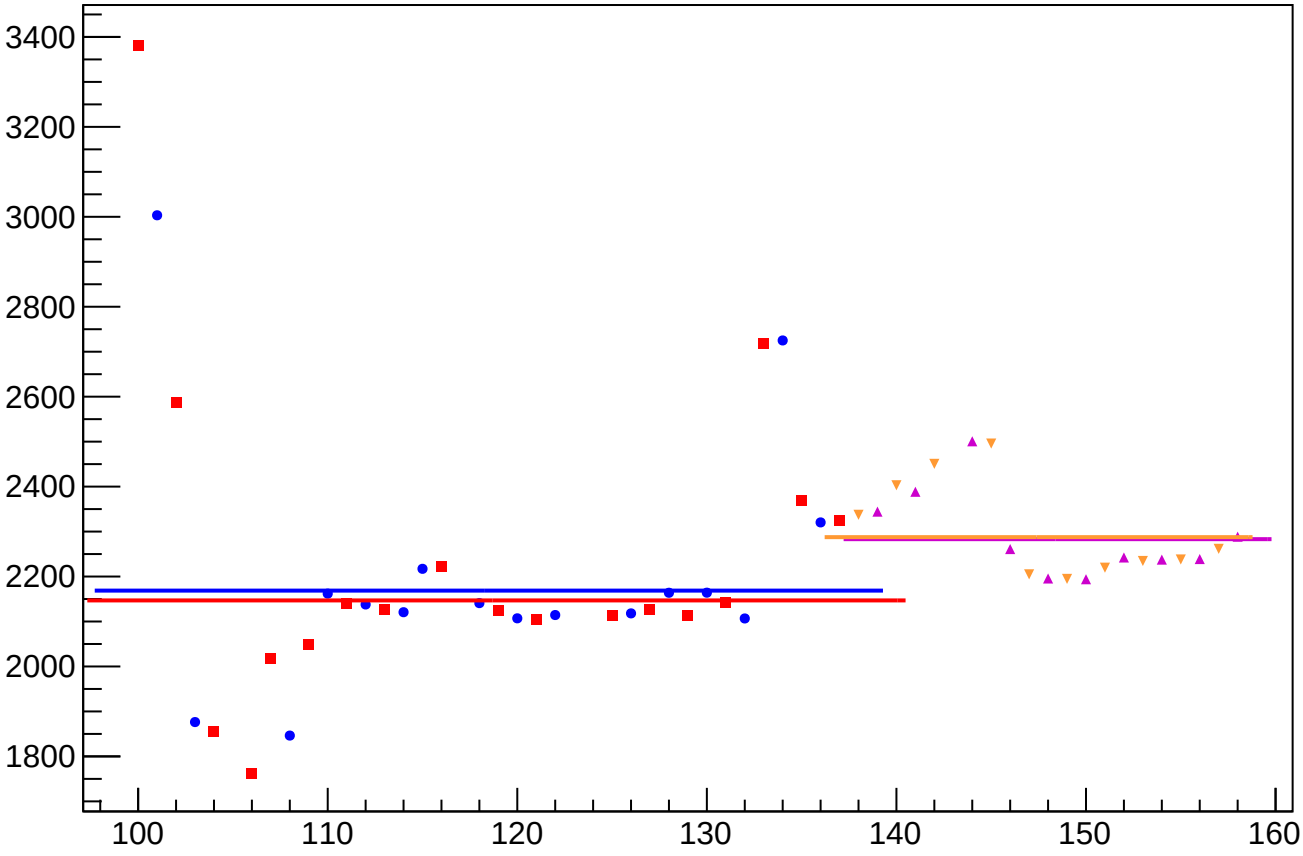
Left In: -5171.749+/-773.599 χ^2/NDF:9.1/9

+ sign 3567.305+/-575.763 χ^2/NDF: 23.2/25

All: -635.298+/-401.113 χ^2/NDF: 149.9/53

- sign -4598.462+/-559.121 χ^2/NDF: 23.2/27

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2287.587+/-0.577 χ^2/NDF:28653.3/9

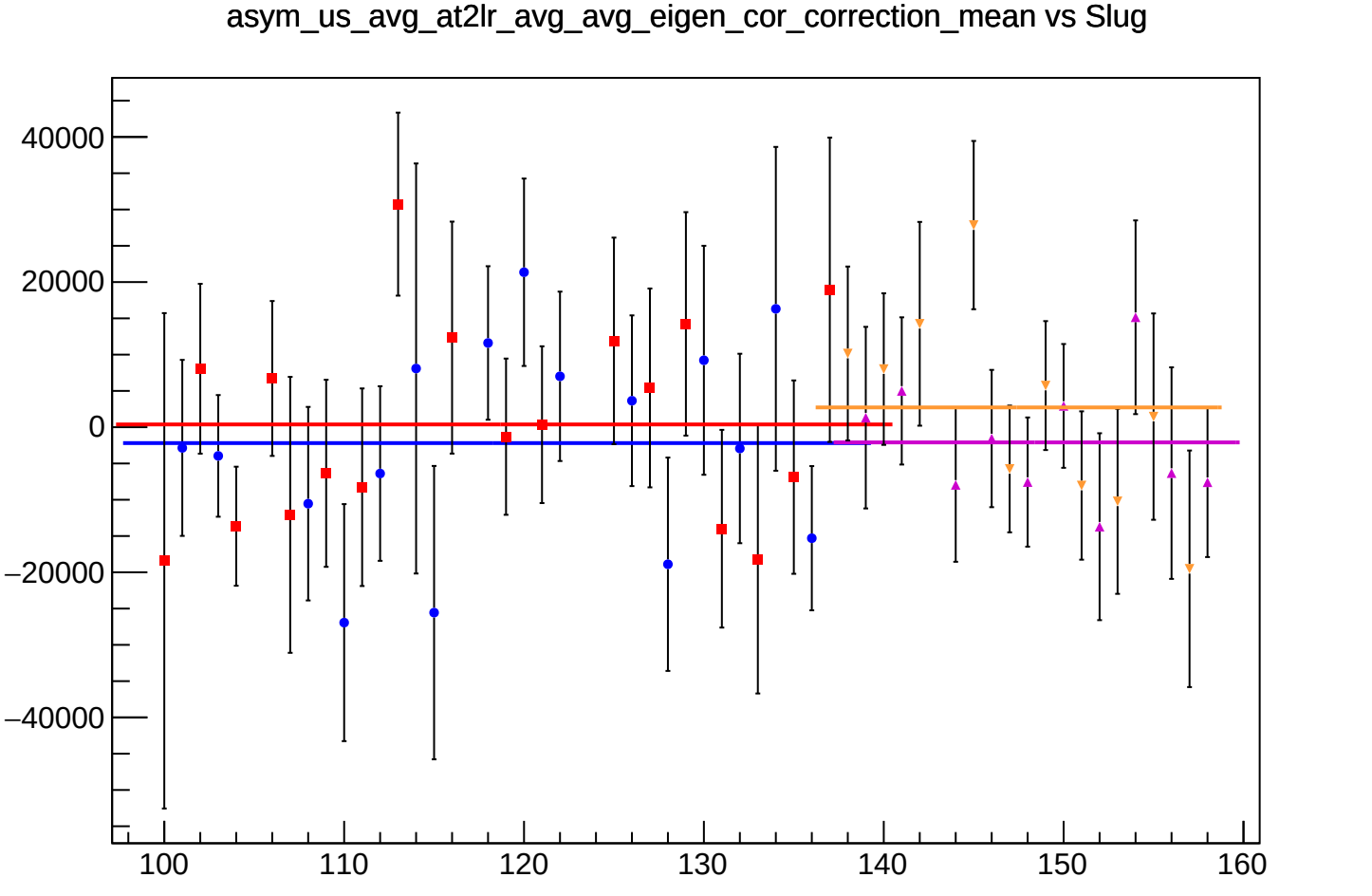
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2283.132+/-0.547 χ^2/NDF:25989.9/9

+ sign 2227.899+/-0.407 χ^2/NDF: 245625.6/25

All: 2222.648+/-0.283 χ^2/NDF: 459472.3/53

- sign 2217.720+/-0.394 χ^2/NDF: 213524.2/27



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: 2723.376+/-3561.215 χ^2/NDF:11.1/9

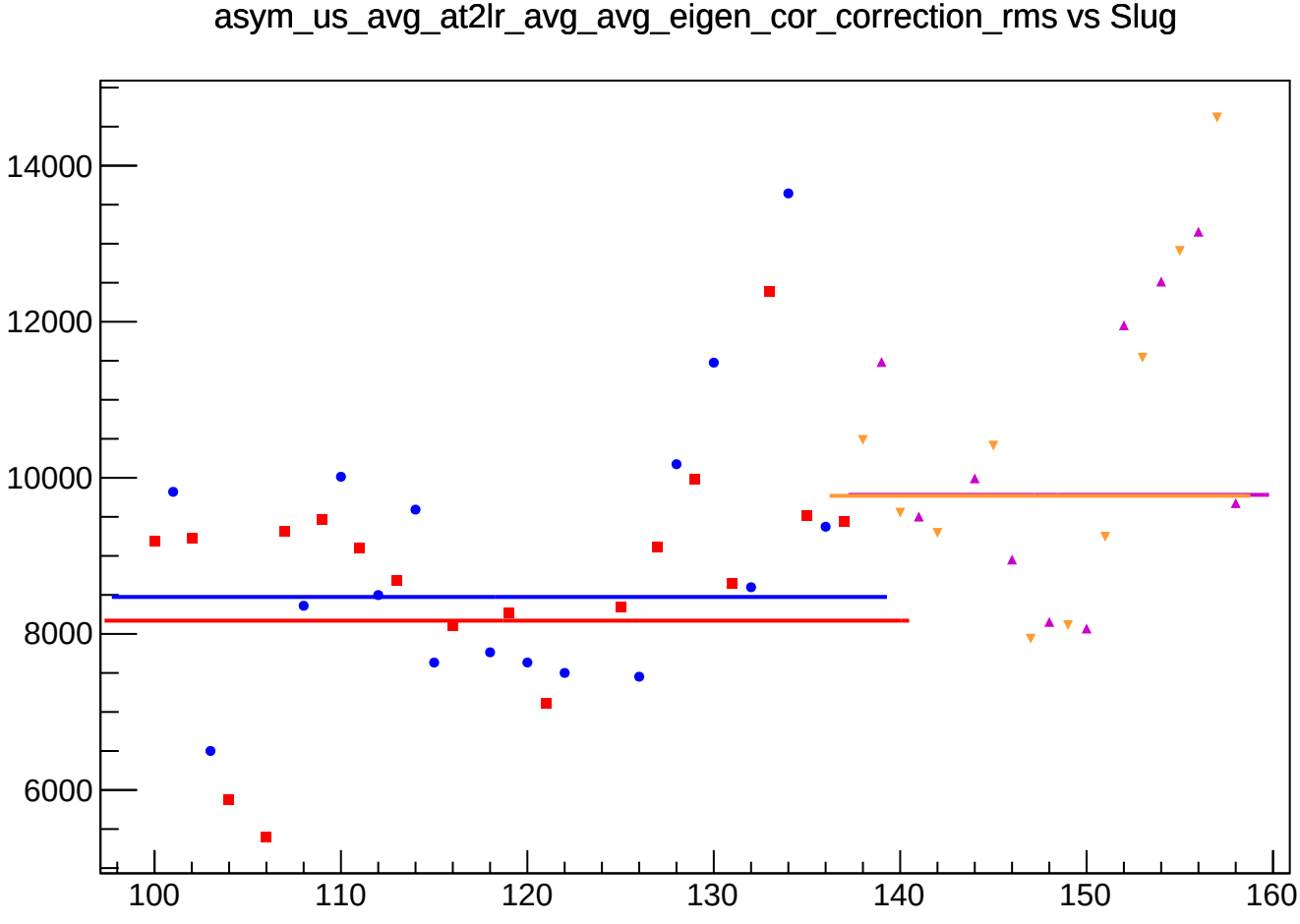
Right Out: 379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: -2098.717+/-3365.121 χ^2/NDF:4.4/9

+ sign 11.813+/-2383.735 χ^2/NDF: 26.6/25

All: -390.354+/-1647.651 χ^2/NDF: 47.7/53

- sign -758.277+/-2279.987 χ^2/NDF: 21.0/27



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 9769.709+/-2.518 χ^2/NDF:491811.7/9

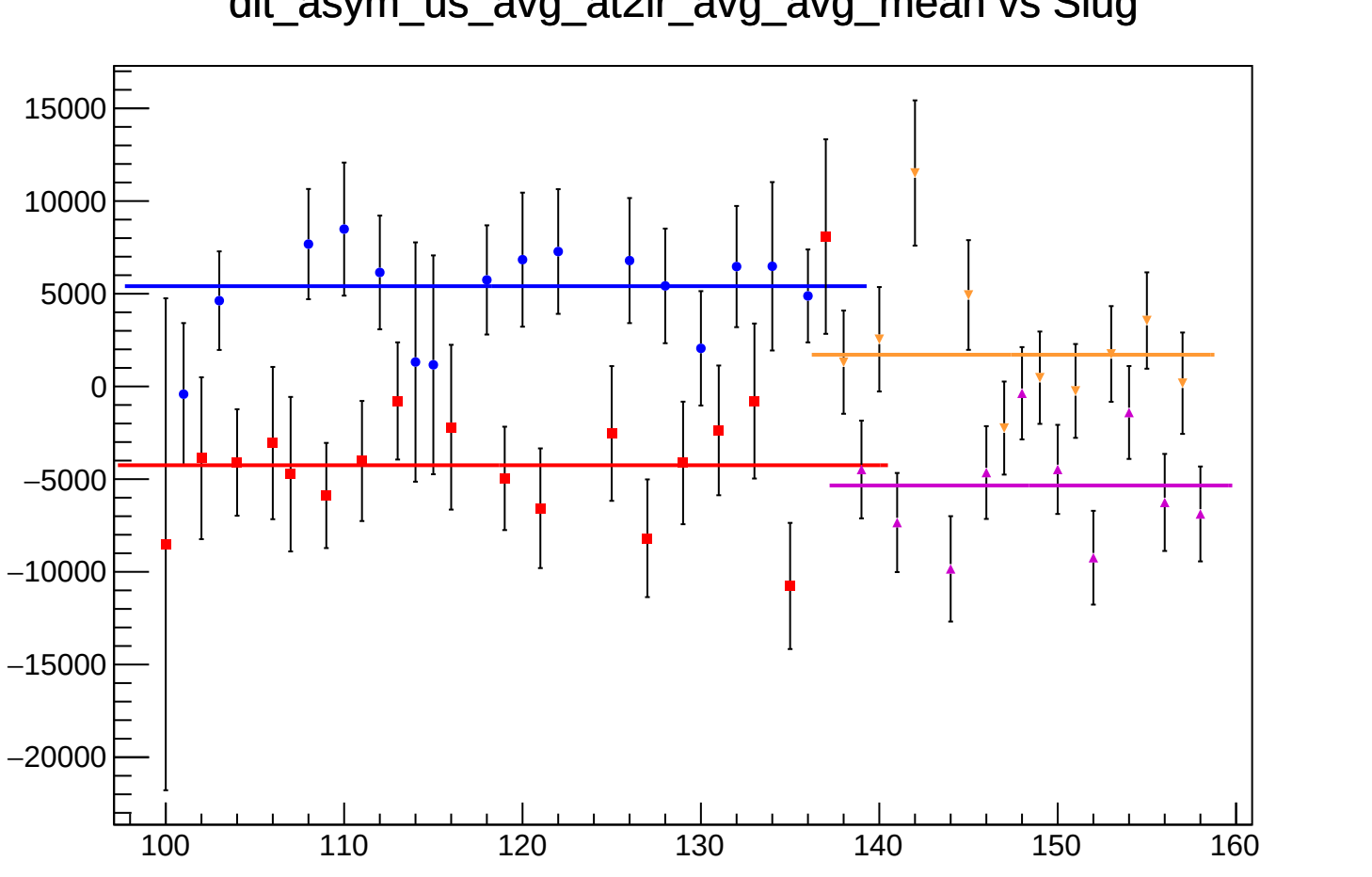
Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 9782.320+/-2.379 χ^2/NDF:450158.5/9

+ sign 9054.391+/-1.686 χ^2/NDF: 1067551.9/25

All: 8979.066+/-1.165 χ^2/NDF: 2309813.9/53

- sign 8910.156+/-1.612 χ^2/NDF: 1238438.0/27



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 1711.460+/-863.003 χ^2/NDF:11.7/9

Right Out: -4249.899+/-839.336 χ^2/NDF: 14.5/17

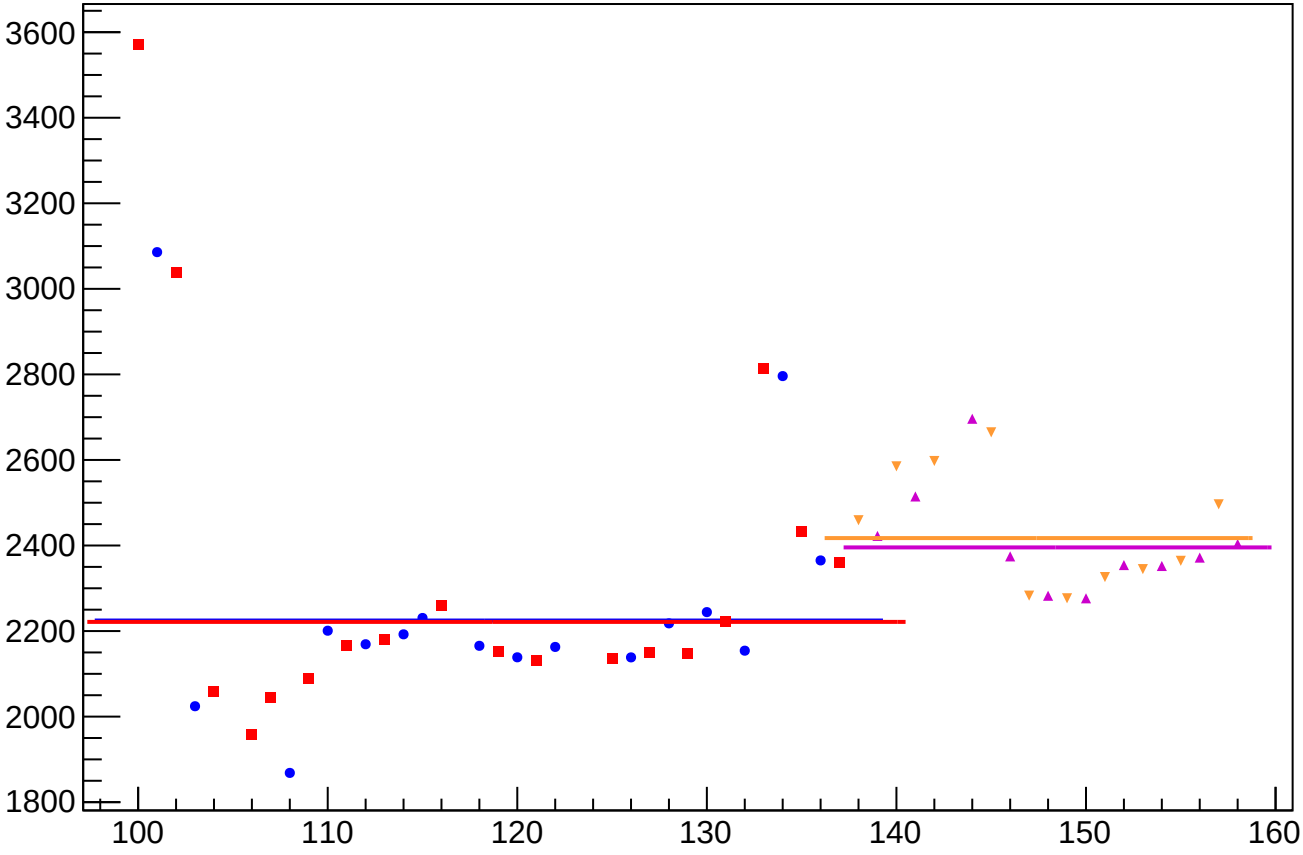
Left In: -5340.344+/-812.052 χ^2/NDF:12.7/9

+ sign 3623.509+/-599.603 χ^2/NDF: 27.9/25

All: -708.790+/-418.216 χ^2/NDF: 157.6/53

- sign -4813.132+/-583.615 χ^2/NDF: 28.0/27

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2417.352+/-0.610 χ^2/NDF:44542.9/9

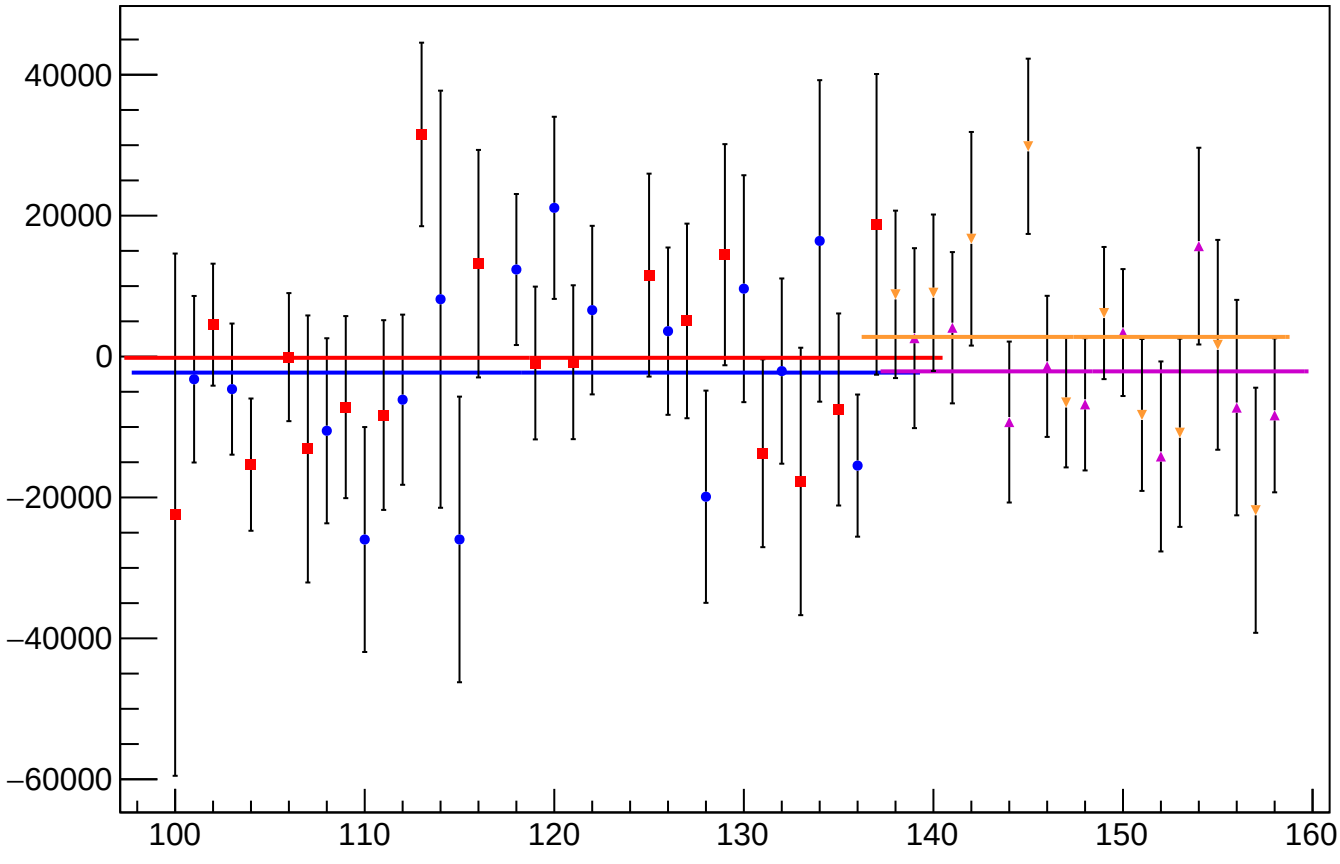
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2395.534+/-0.574 χ^2/NDF:37063.4/9

+ sign 2317.654+/-0.424 χ^2/NDF: 280824.2/25

All: 2314.391+/-0.296 χ^2/NDF: 532427.0/53

- sign 2311.302+/-0.413 χ^2/NDF: 251487.6/27



Right In: -2278.440+/-3271.750 χ^2/NDF: 14.5/15

Left Out: 2789.075+/-3748.560 χ^2/NDF:11.4/9

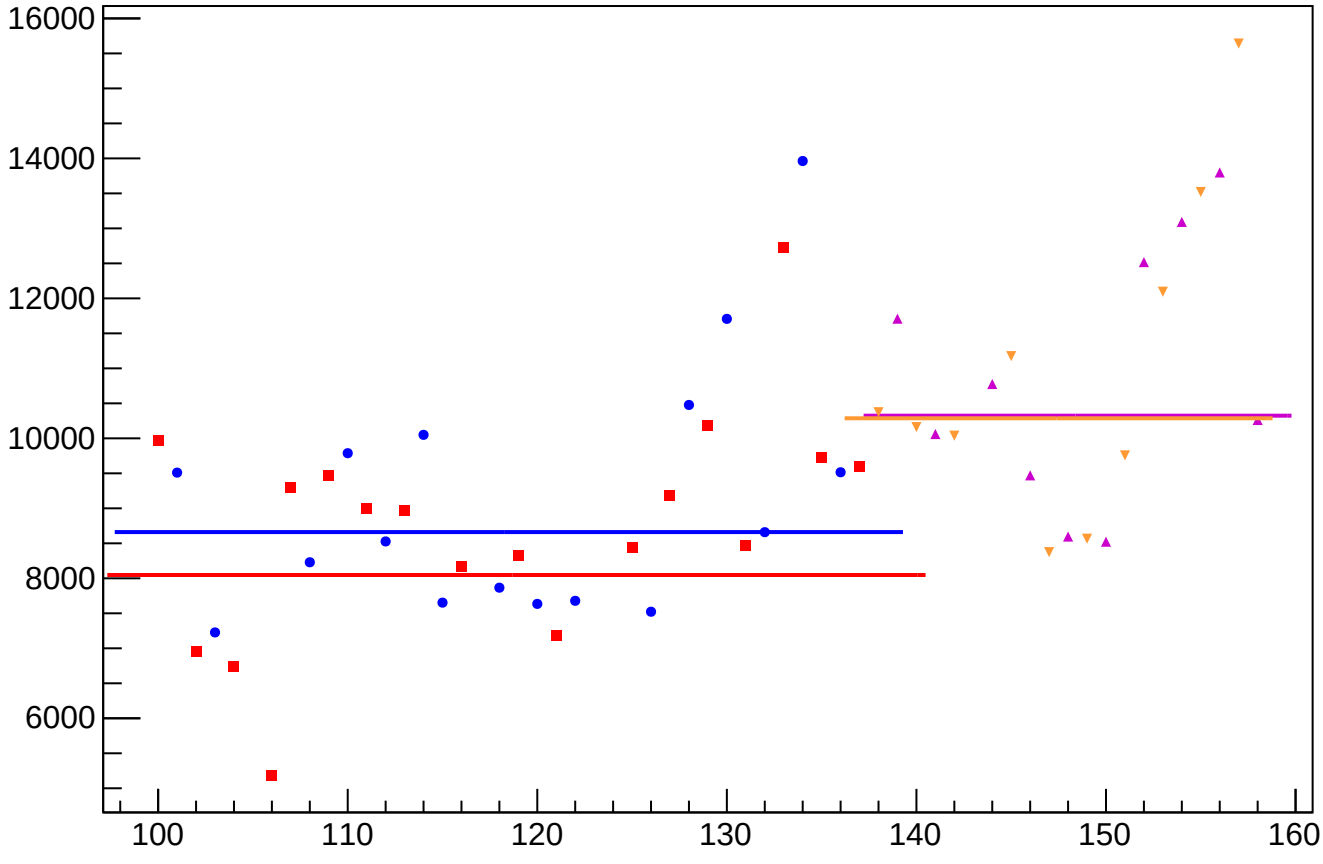
Right Out: -177.024+/-3035.355 χ^2/NDF: 15.6/17

Left In: -2103.294+/-3549.065 χ^2/NDF:4.4/9

+ sign -87.281+/-2464.926 χ^2/NDF: 26.9/25

All: -568.946+/-1684.269 χ^2/NDF: 47.2/53

- sign -990.783+/-2306.764 χ^2/NDF: 20.2/27



Right In: 8660.733+/-2.313 χ^2/NDF: 357961.9/15

Left Out: 10286.630+/-2.651 χ^2/NDF:489772.2/9

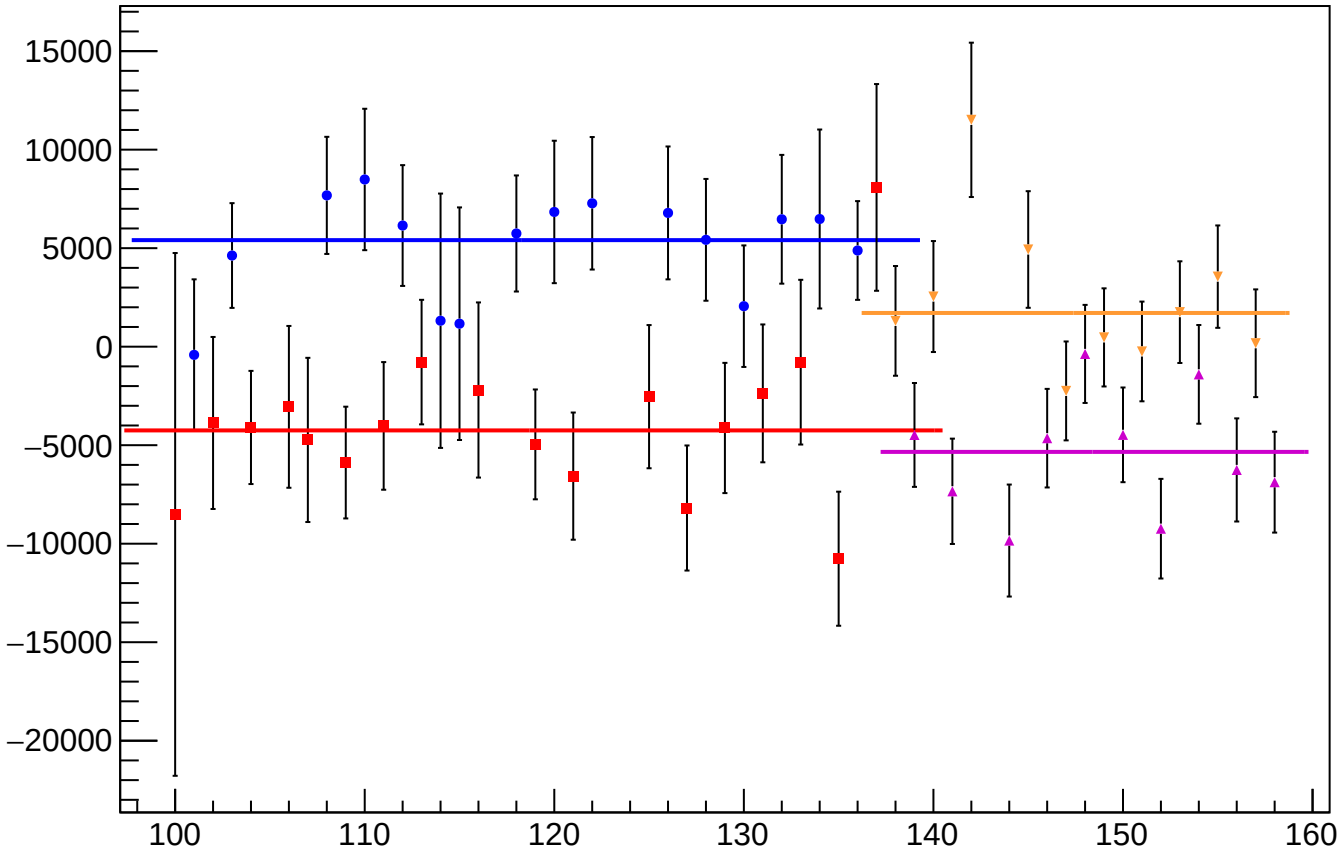
Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10324.009+/-2.510 χ^2/NDF:424939.9/9

+ sign 9363.759+/-1.743 χ^2/NDF: 1061301.5/25

All: 9174.738+/-1.191 χ^2/NDF: 2542135.4/53

- sign 9009.195+/-1.631 χ^2/NDF: 1458772.8/27



Right In: 5407.869+/-833.688 χ^2/NDF: 6.7/15

Left Out: 1711.455+/-863.004 χ^2/NDF:11.7/9

Right Out: -4249.903+/-839.335 χ^2/NDF: 14.5/17

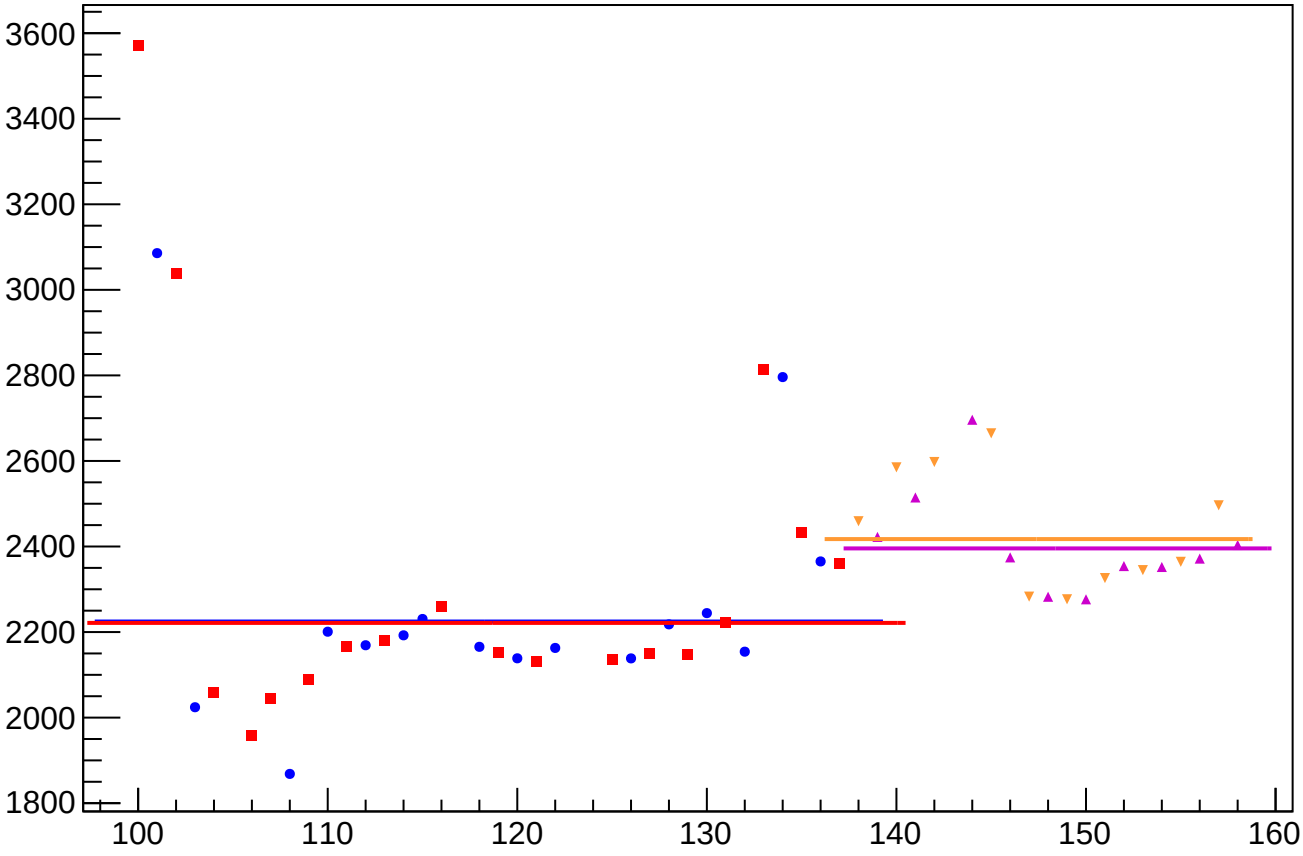
Left In: -5340.345+/-812.053 χ^2/NDF:12.7/9

+ sign 3623.510+/-599.603 χ^2/NDF: 27.9/25

All: -708.790+/-418.216 χ^2/NDF: 157.6/53

- sign -4813.134+/-583.615 χ^2/NDF: 28.0/27

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2224.613+/-0.590 χ^2/NDF: 184680.1/15

Left Out: 2417.355+/-0.610 χ^2/NDF:44543.6/9

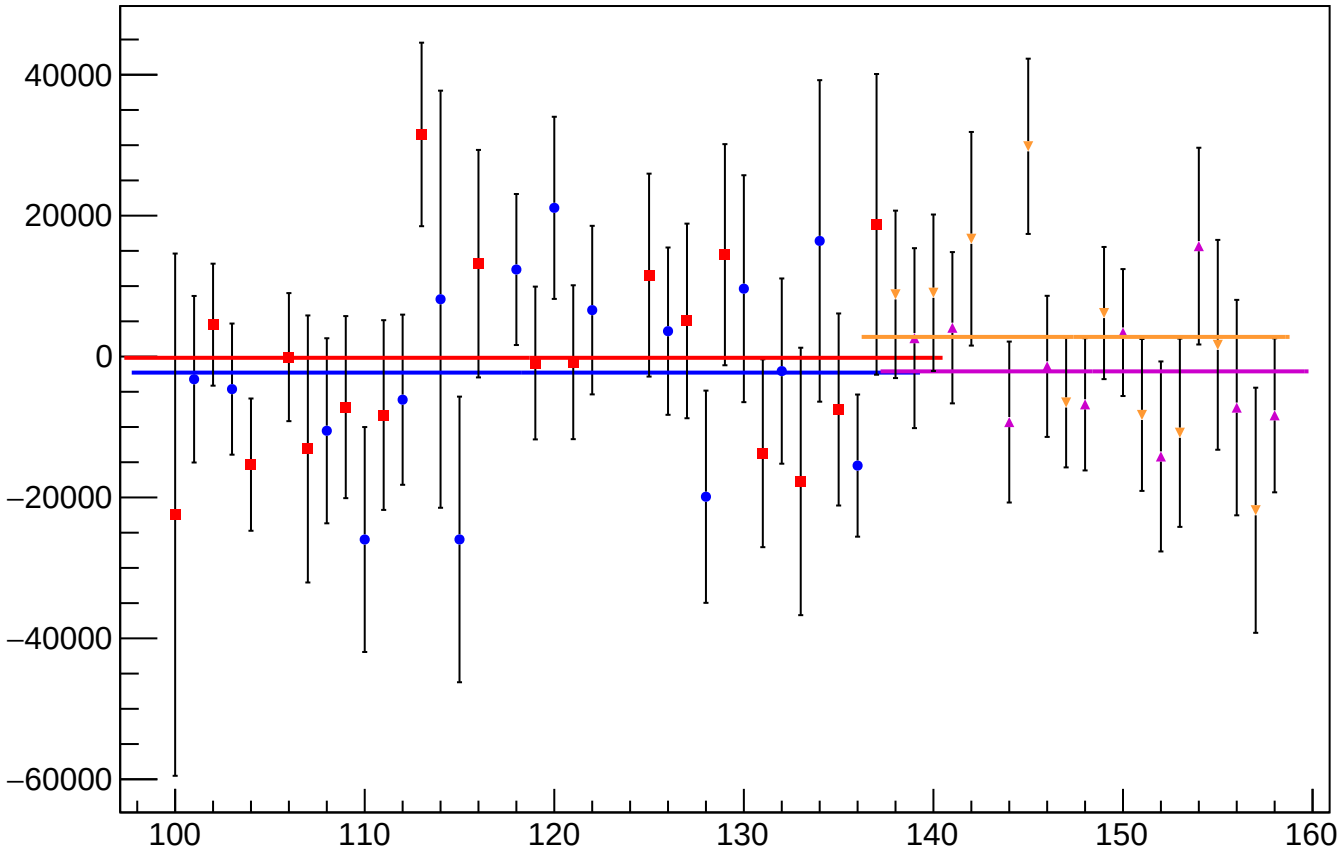
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2395.538+/-0.574 χ^2/NDF:37063.7/9

+ sign 2317.655+/-0.424 χ^2/NDF: 280827.1/25

All: 2314.392+/-0.296 χ^2/NDF: 532432.1/53

- sign 2311.303+/-0.413 χ^2/NDF: 251489.8/27



Right In: -2278.418+/-3271.742 χ^2/NDF: 14.5/15

Left Out: 2789.068+/-3748.565 χ^2/NDF:11.4/9

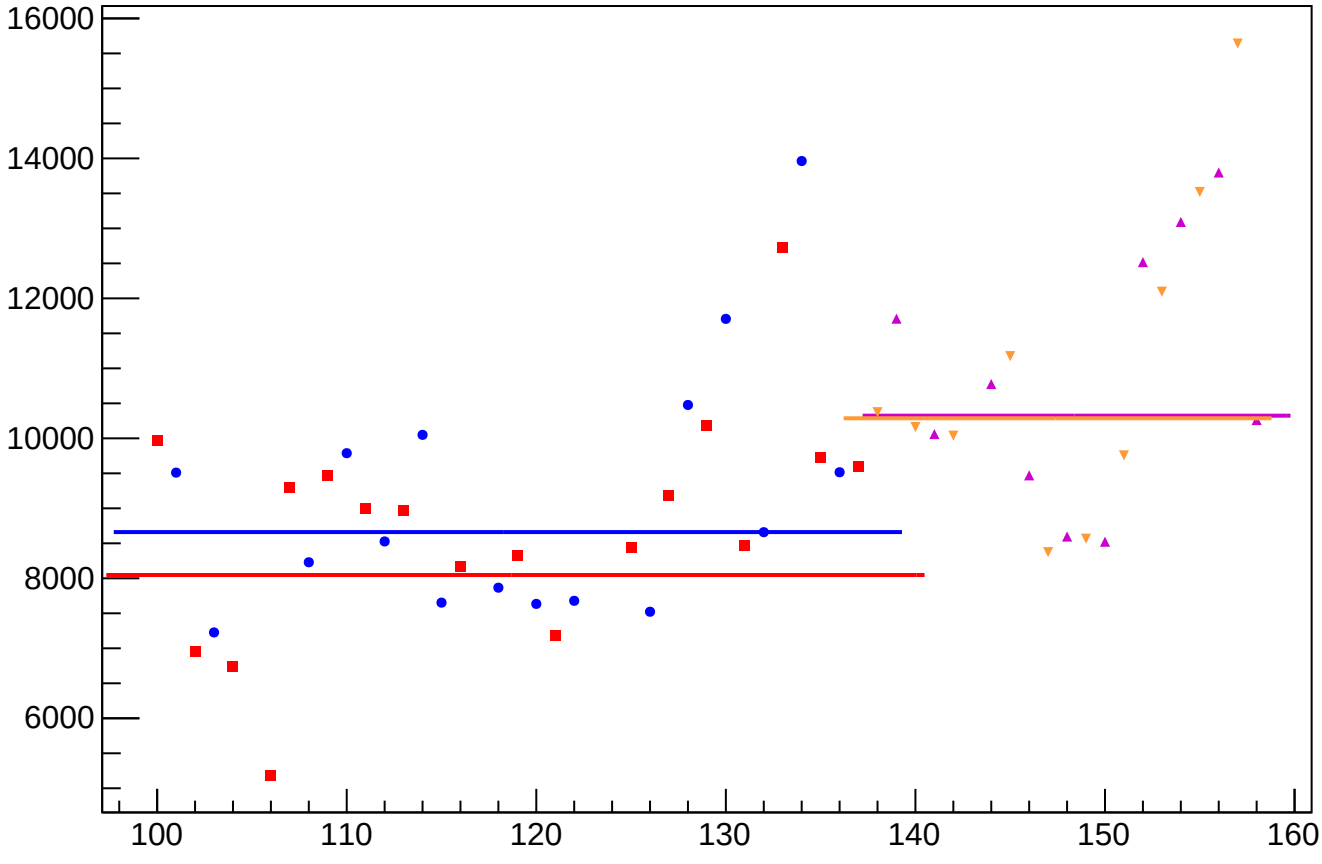
Right Out: -177.029+/-3035.348 χ^2/NDF: 15.6/17

Left In: -2103.295+/-3549.070 χ^2/NDF:4.4/9

+ sign -87.281+/-2464.924 χ^2/NDF: 26.9/25

All: -568.946+/-1684.268 χ^2/NDF: 47.2/53

- sign -990.782+/-2306.762 χ^2/NDF: 20.2/27



Right In: 8660.711+/-2.313 χ^2/NDF: 357964.1/15

Left Out: 10286.643+/-2.651 χ^2/NDF:489773.3/9

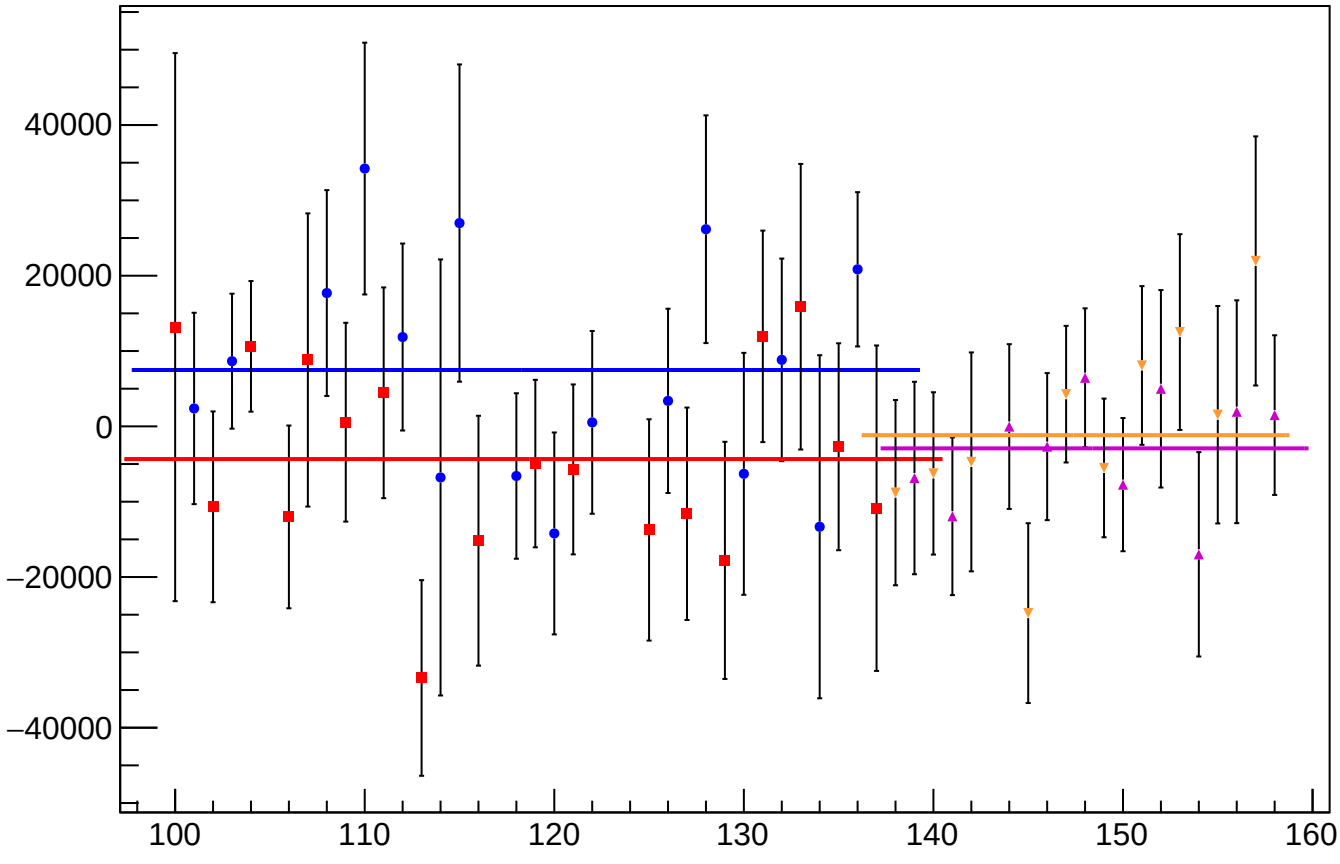
Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

Left In: 10324.023+/-2.510 χ^2/NDF:424940.4/9

+ sign 9363.750+/-1.743 χ^2/NDF: 1061314.0/25

All: 9174.729+/-1.191 χ^2/NDF: 2542160.2/53

- sign 9009.186+/-1.631 χ^2/NDF: 1458785.1/27



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: -1166.927+/-3667.555 χ^2/NDF:9.0/9

Right Out: -4338.165+/-3242.620 χ^2/NDF: 14.3/17

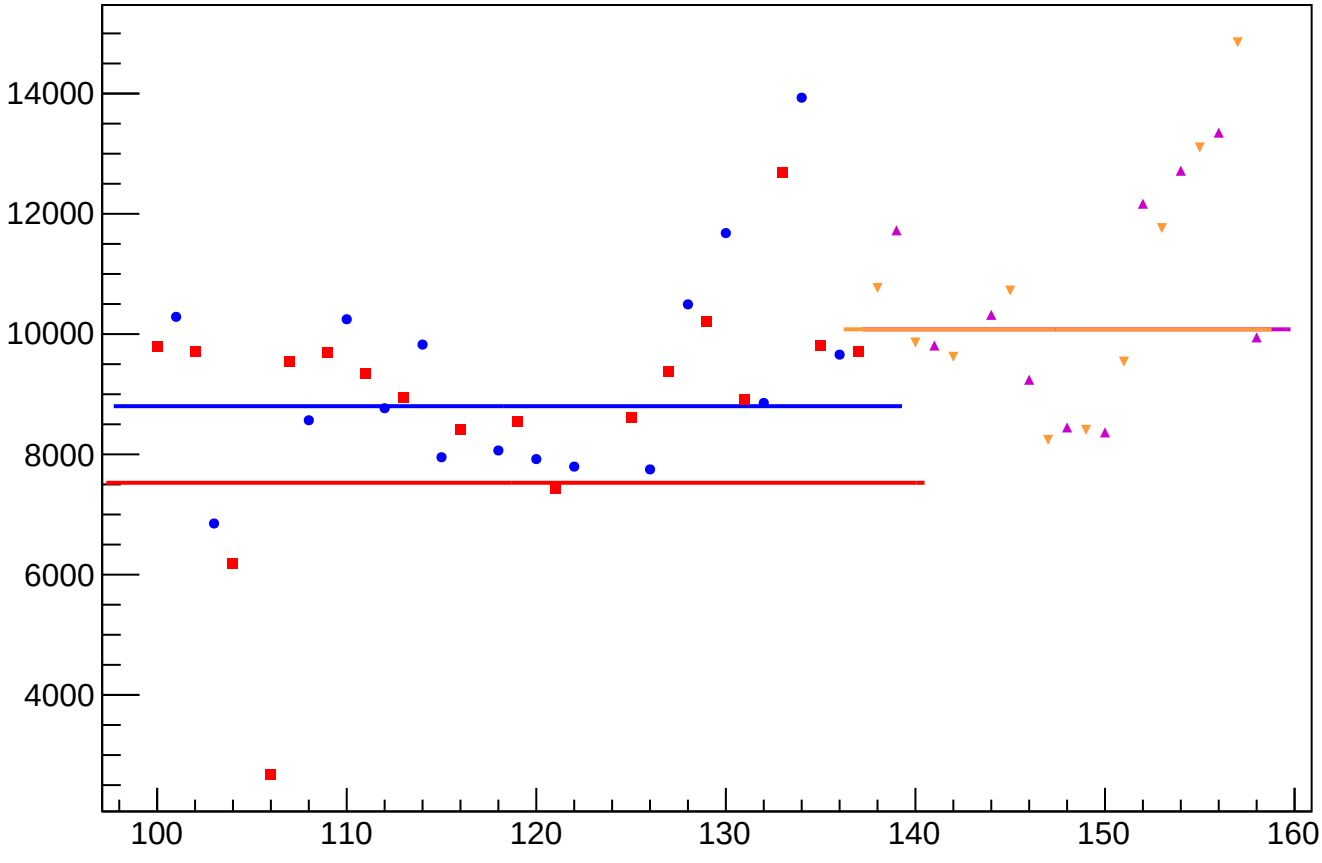
Left In: -2920.503+/-3462.549 χ^2/NDF:4.0/9

+ sign 3572.480+/-2465.757 χ^2/NDF: 26.1/25

All: -199.995+/-1707.497 χ^2/NDF: 49.0/53

- sign -3675.784+/-2366.812 χ^2/NDF: 18.3/27

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

Left Out: 10079.684+/-2.593 χ^2/NDF:456154.8/9

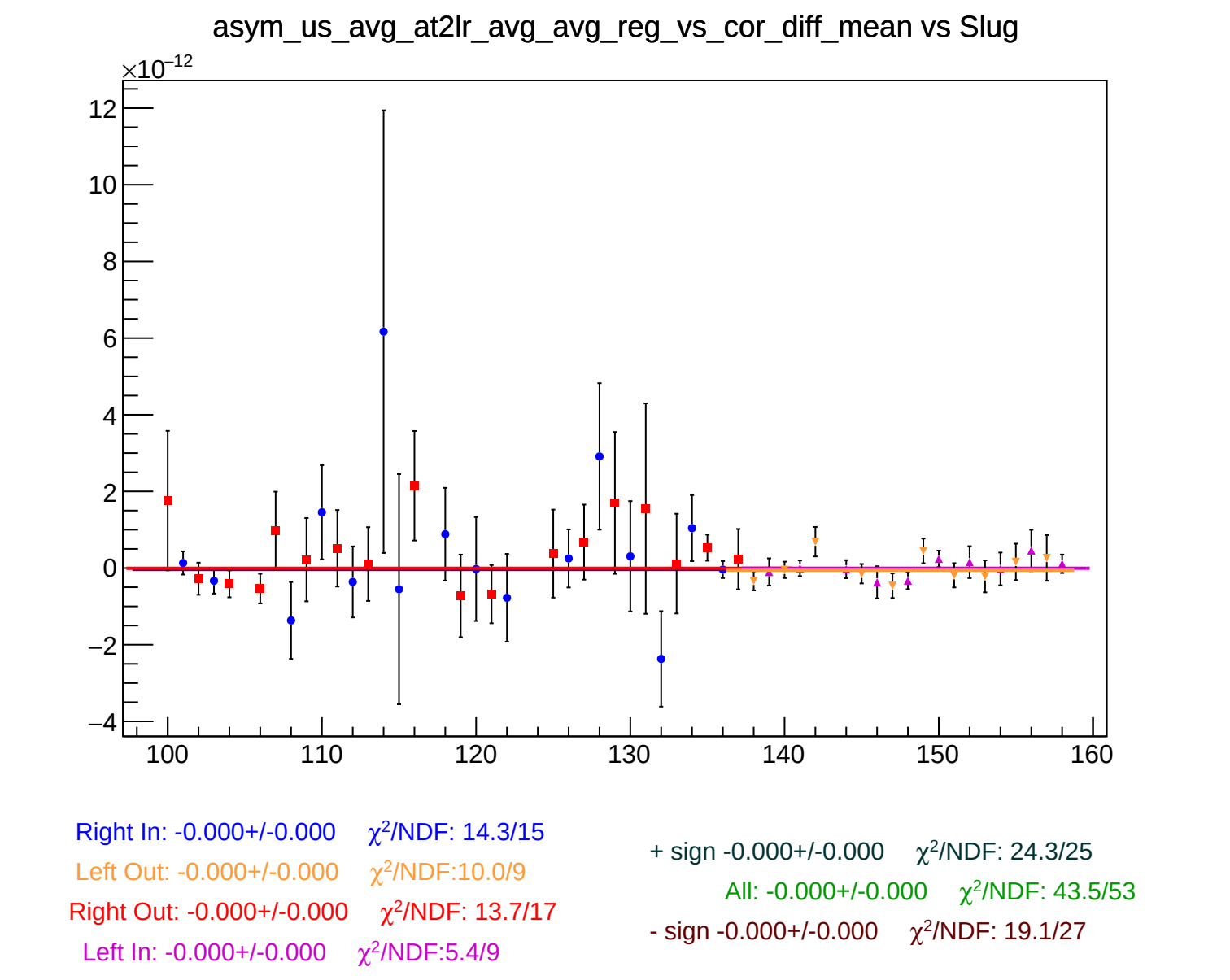
Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

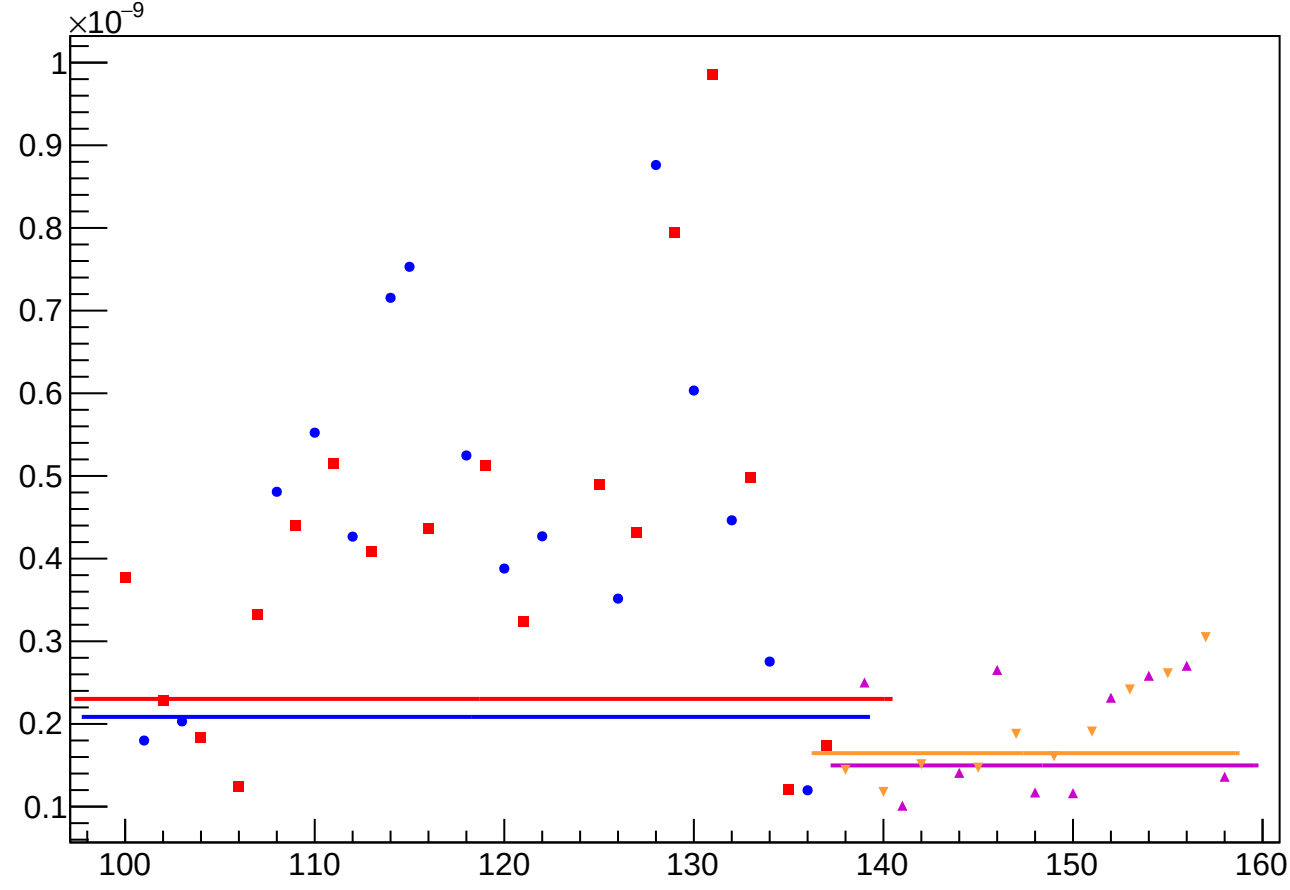
Left In: 10079.466+/-2.448 χ^2/NDF:412518.8/9

+ sign 9379.010+/-1.744 χ^2/NDF: 983938.0/25

All: 8971.730+/-1.181 χ^2/NDF: 3773291.9/53

- sign 8626.055+/-1.606 χ^2/NDF: 2688475.6/27


asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
12
10
8
6
4
2
0
−2
−4
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 14.3/15
Left Out: -0.000+/-0.000 χ²/NDF:10.0/9
Right Out: -0.000+/-0.000 χ²/NDF: 13.7/17
Left In: -0.000+/-0.000 χ²/NDF:5.4/9
+ sign -0.000+/-0.000 χ²/NDF: 24.3/25
All: -0.000+/-0.000 χ²/NDF: 43.5/53
- sign -0.000+/-0.000 χ²/NDF: 19.1/27



Right In: 0.000+/-0.000 χ^2/NDF: 1632322.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:407830.8/9

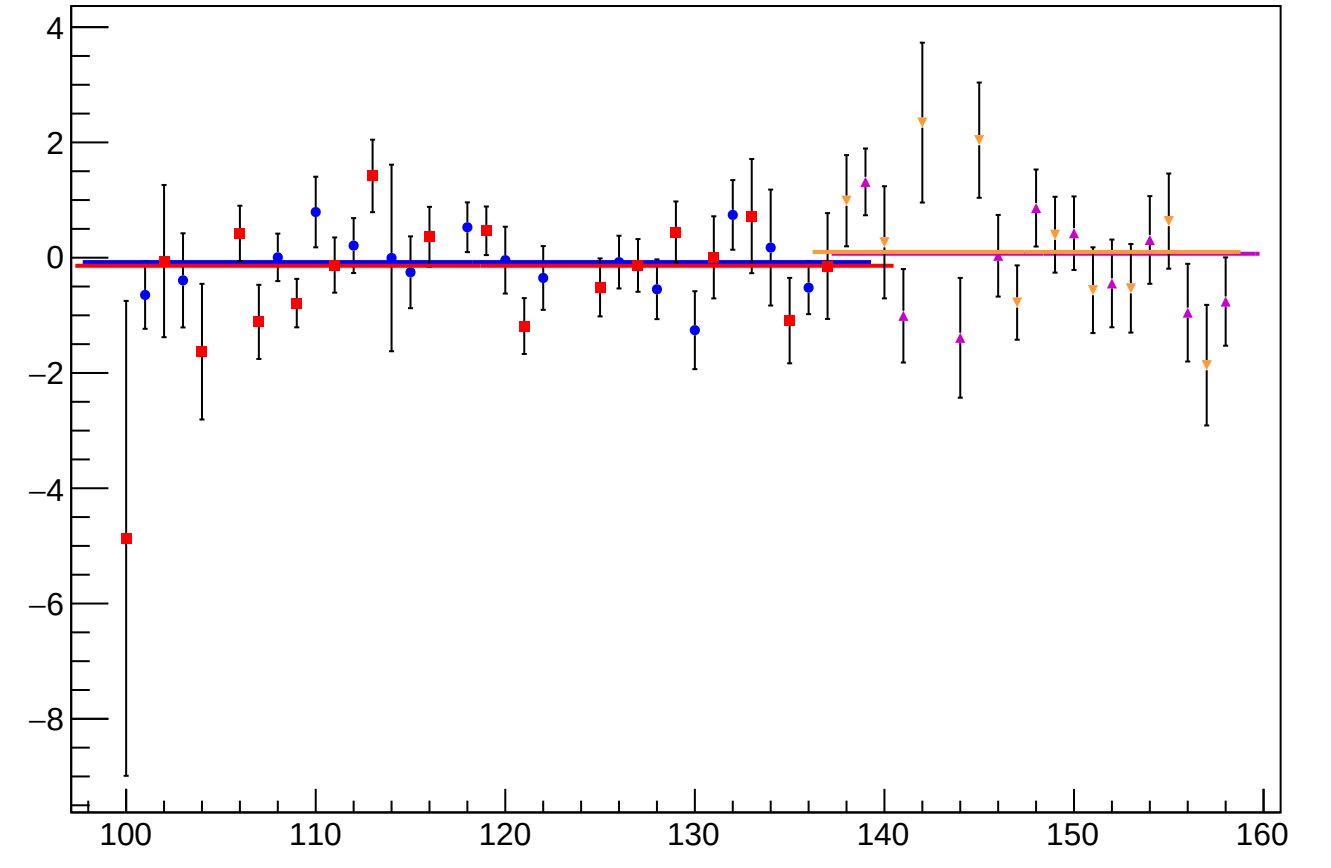
Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:831263.5/9

\+ sign 0.000+/-0.000 χ^2/NDF: 2169176.5/25

All: 0.000+/-0.000 χ^2/NDF: 4978942.3/53

\- sign 0.000+/-0.000 χ^2/NDF: 2794313.1/27



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 0.100+/-0.260 χ^2/NDF:15.2/9

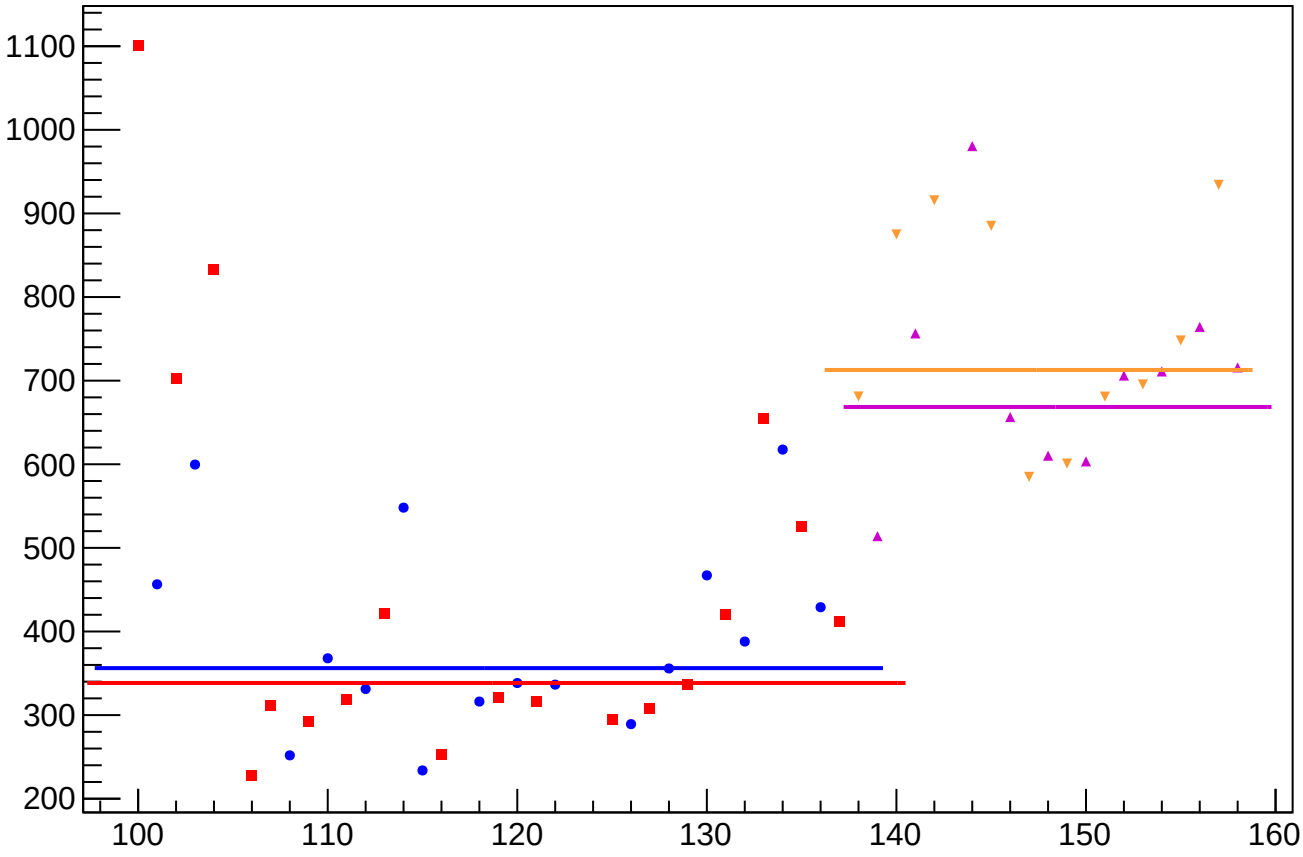
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.069+/-0.231 χ^2/NDF:13.3/9

+ sign -0.037+/-0.123 χ^2/NDF: 28.0/25

All: -0.062+/-0.085 χ^2/NDF: 69.0/53

- sign -0.086+/-0.119 χ^2/NDF: 40.9/27



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 712.786+/-0.184 χ^2/NDF:395575.7/9

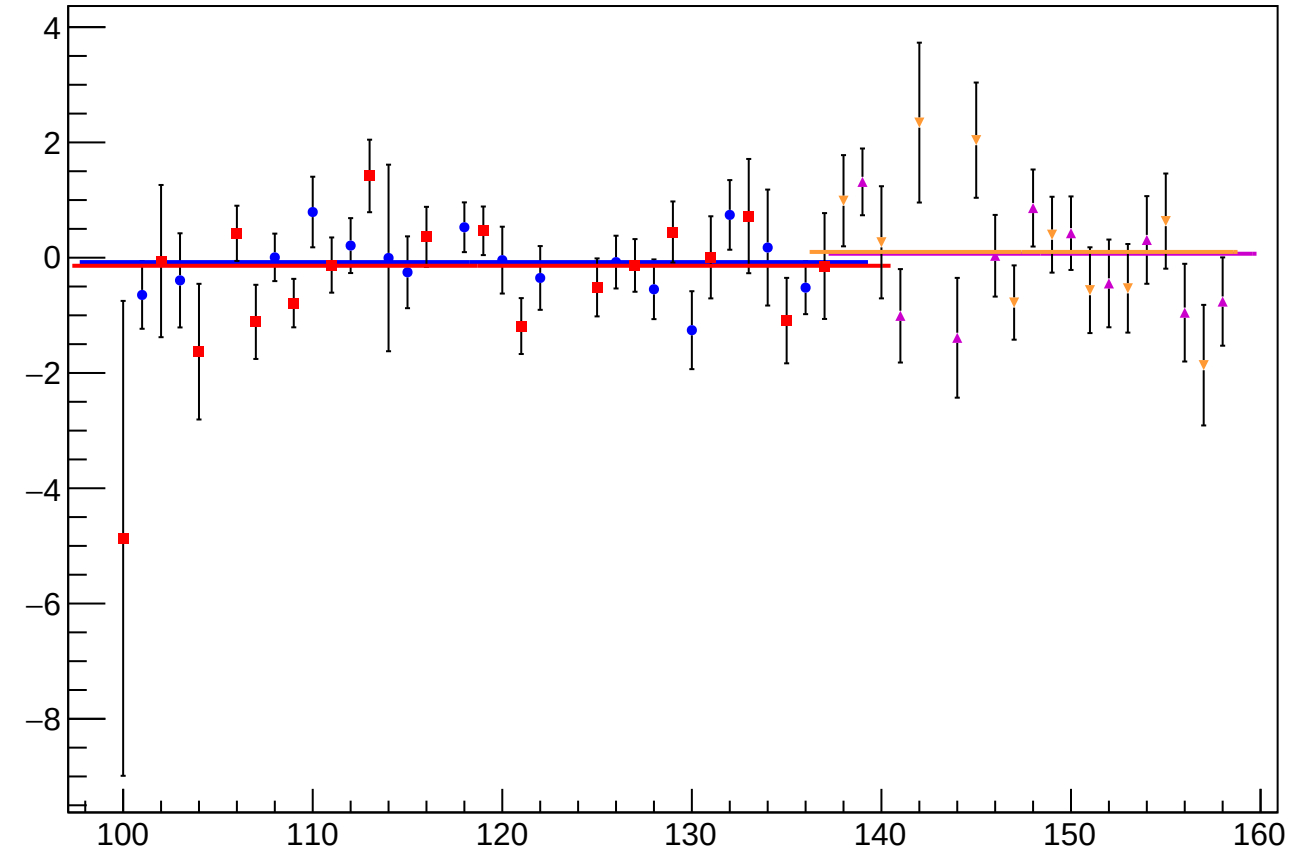
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 668.529+/-0.164 χ^2/NDF:427142.2/9

+ sign 436.163+/-0.087 χ^2/NDF: 4094845.4/25

All: 430.352+/-0.060 χ^2/NDF: 8736246.3/53

- sign 424.977+/-0.084 χ^2/NDF: 4632837.2/27



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 0.100+/-0.260 χ^2/NDF:15.2/9

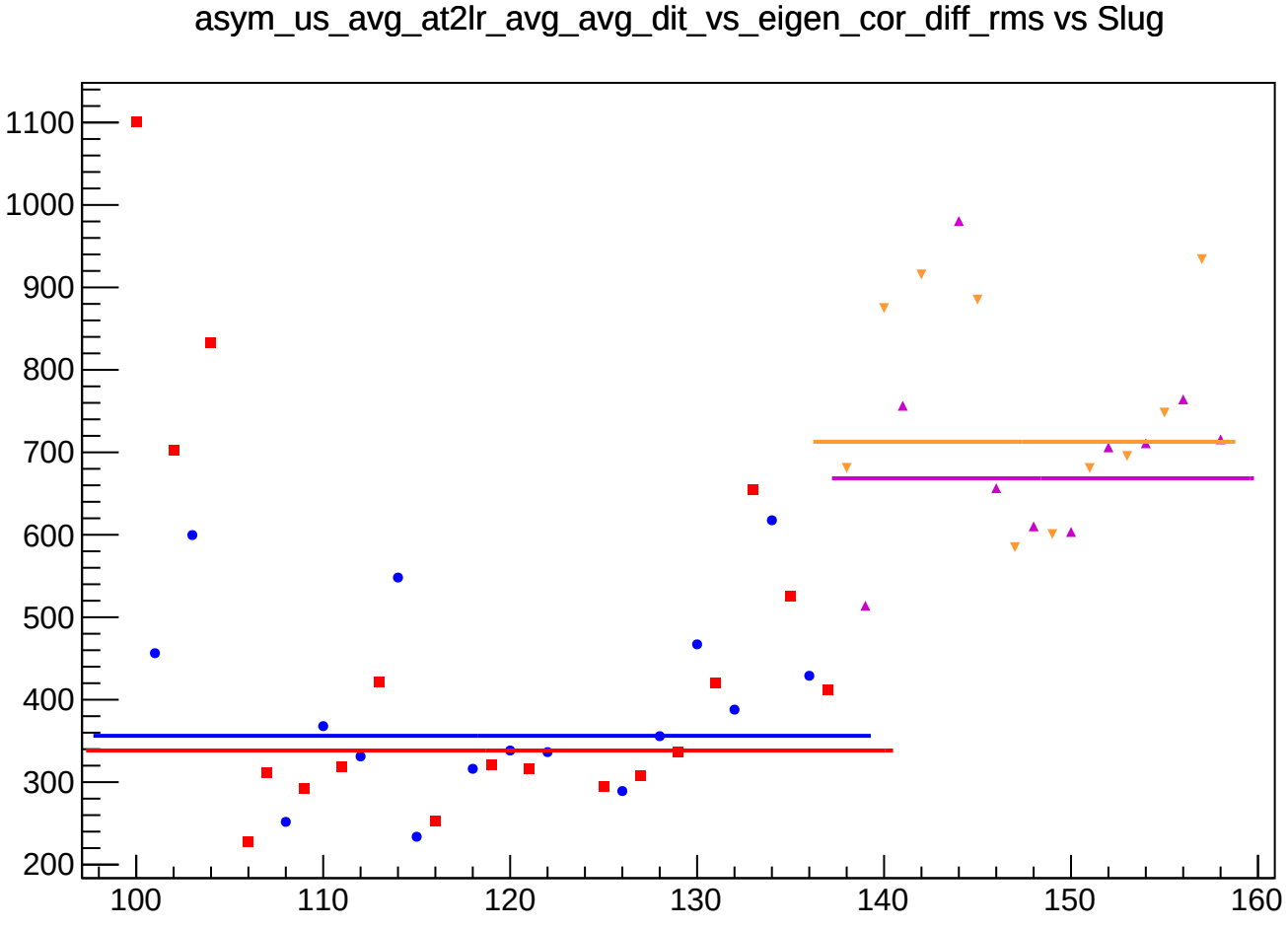
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.069+/-0.231 χ^2/NDF:13.3/9

+ sign -0.037+/-0.123 χ^2/NDF: 28.0/25

All: -0.062+/-0.085 χ^2/NDF: 69.0/53

- sign -0.086+/-0.119 χ^2/NDF: 40.9/27



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 712.786+/-0.184 χ^2/NDF:395575.7/9

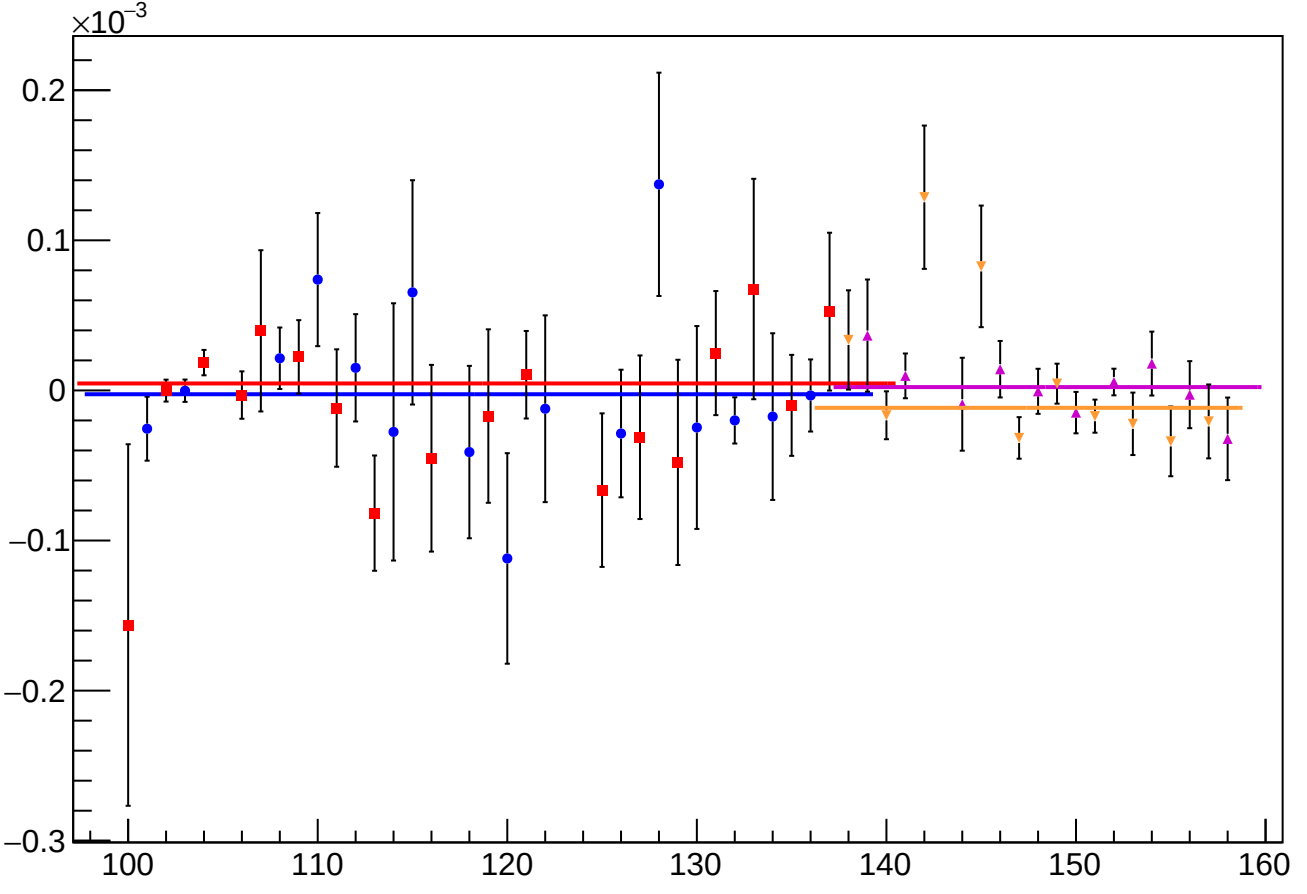
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 668.529+/-0.164 χ^2/NDF:427142.2/9

+ sign 436.163+/-0.087 χ^2/NDF: 4094845.4/25

All: 430.352+/-0.060 χ^2/NDF: 8736246.3/53

- sign 424.977+/-0.084 χ^2/NDF: 4632837.2/27



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.2/9

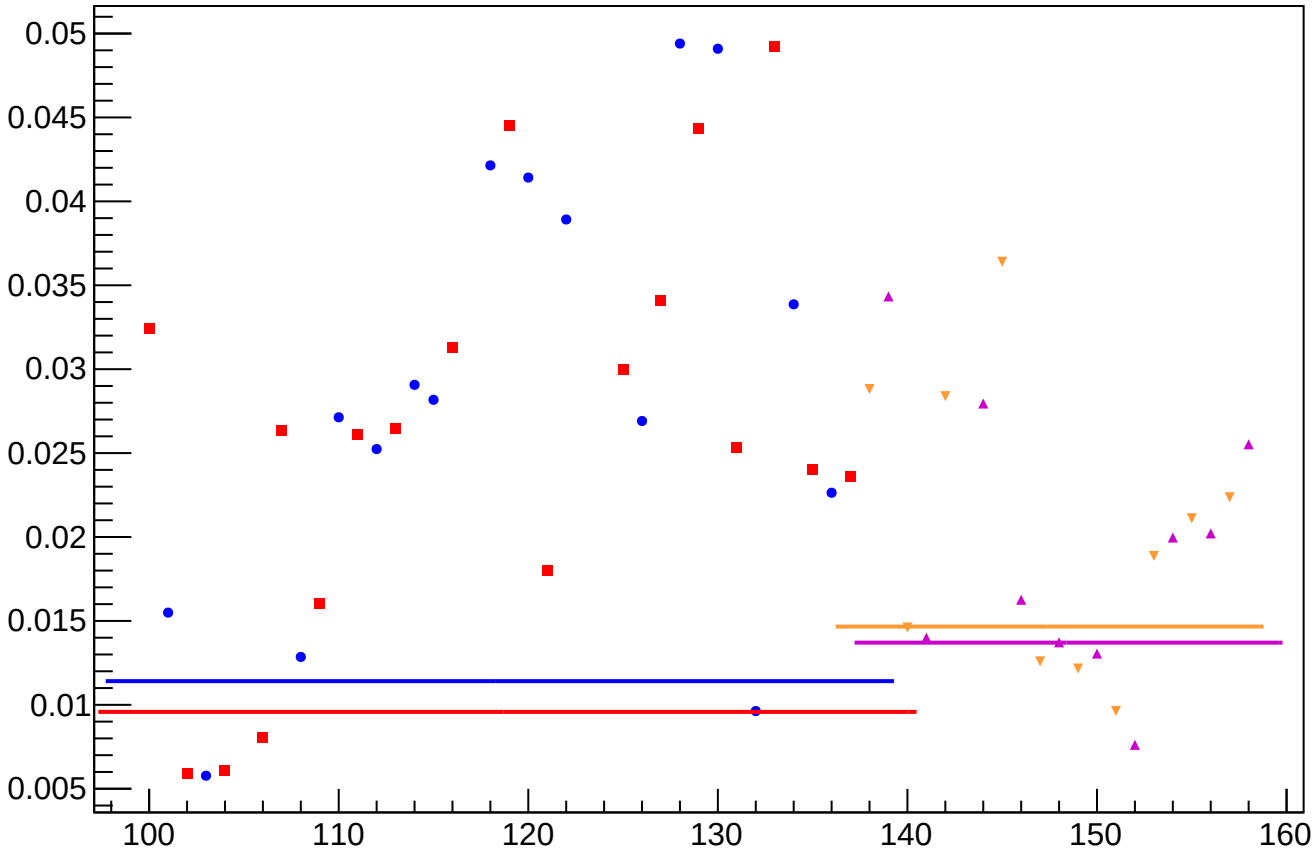
Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/17

Left In: 0.000+/-0.000 χ^2/NDF:5.5/9

+ sign -0.000+/-0.000 χ^2/NDF: 37.5/25

All: -0.000+/-0.000 χ^2/NDF: 64.1/53

- sign 0.000+/-0.000 χ^2/NDF: 22.7/27



Right In: 0.011+/-0.000 χ^2/NDF: 5500651.2/15

Left Out: 0.015+/-0.000 χ^2/NDF:2071358.1/9

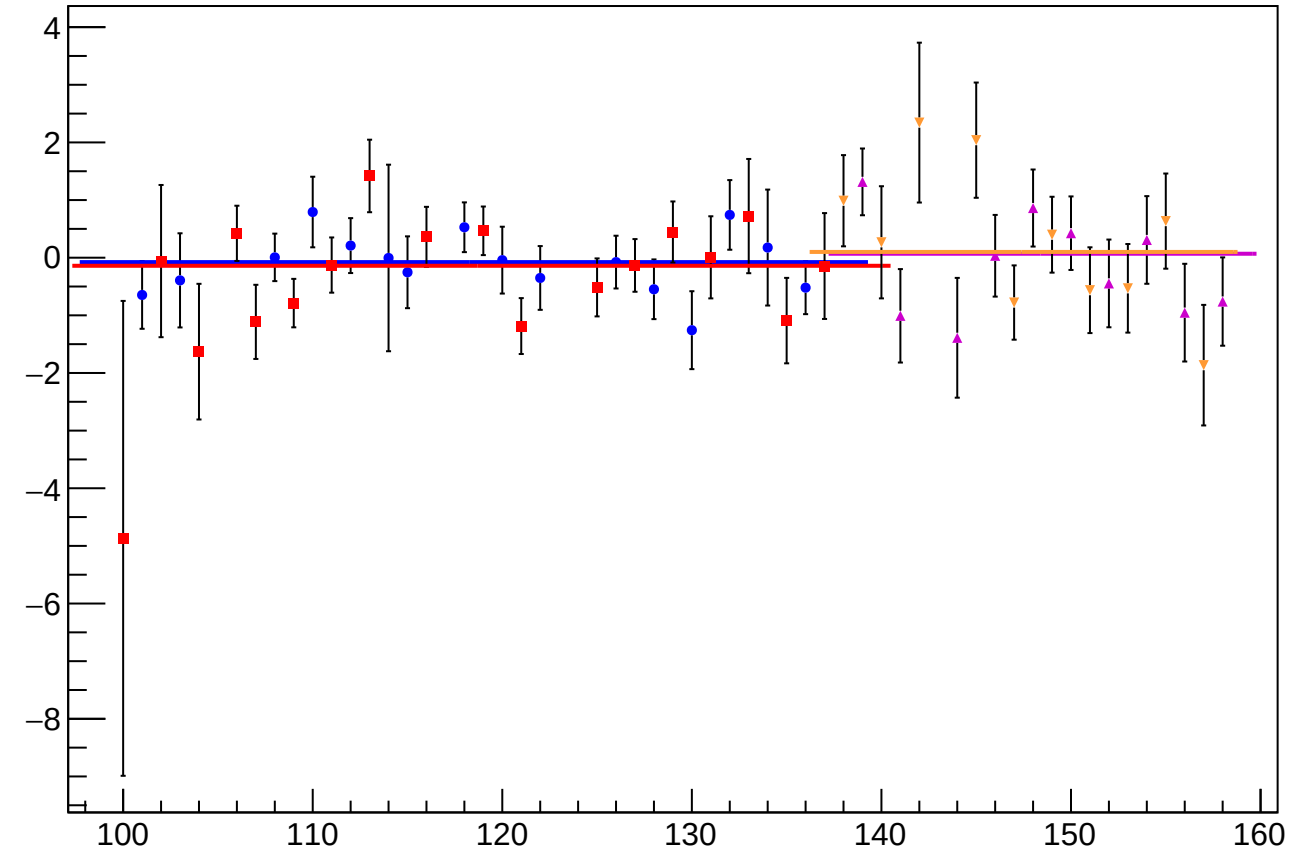
Right Out: 0.010+/-0.000 χ^2/NDF: 5787700.4/17

Left In: 0.014+/-0.000 χ^2/NDF:2730104.6/9

+ sign 0.013+/-0.000 χ^2/NDF: 7905367.5/25

All: 0.012+/-0.000 χ^2/NDF: 17284470.9/53

- sign 0.011+/-0.000 χ^2/NDF: 9207408.6/27



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 0.100+/-0.260 χ^2/NDF:15.2/9

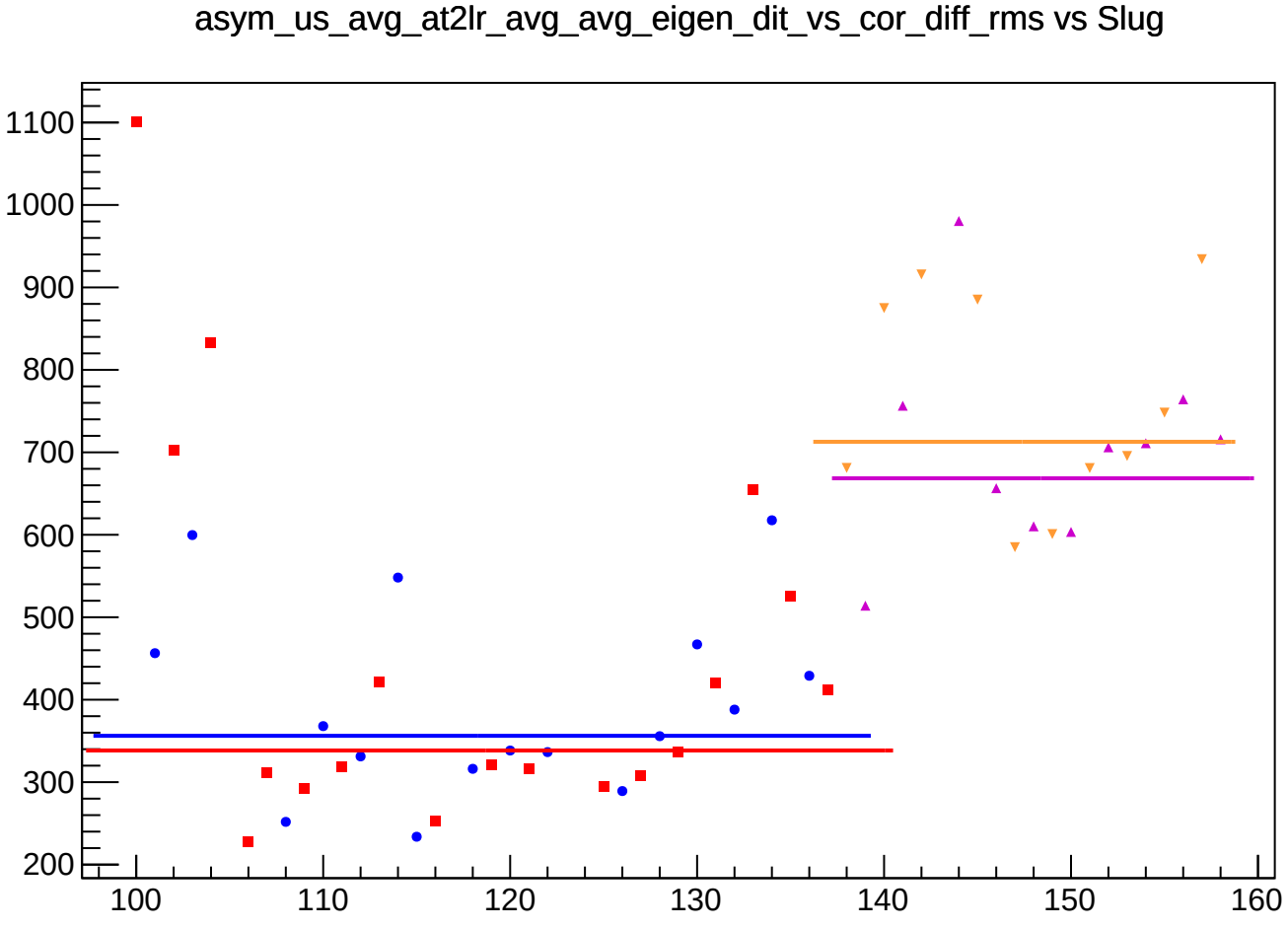
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.069+/-0.231 χ^2/NDF:13.3/9

+ sign -0.037+/-0.123 χ^2/NDF: 28.0/25

All: -0.062+/-0.085 χ^2/NDF: 69.0/53

- sign -0.086+/-0.119 χ^2/NDF: 40.9/27



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 712.794+/-0.184 χ^2/NDF:395586.4/9

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

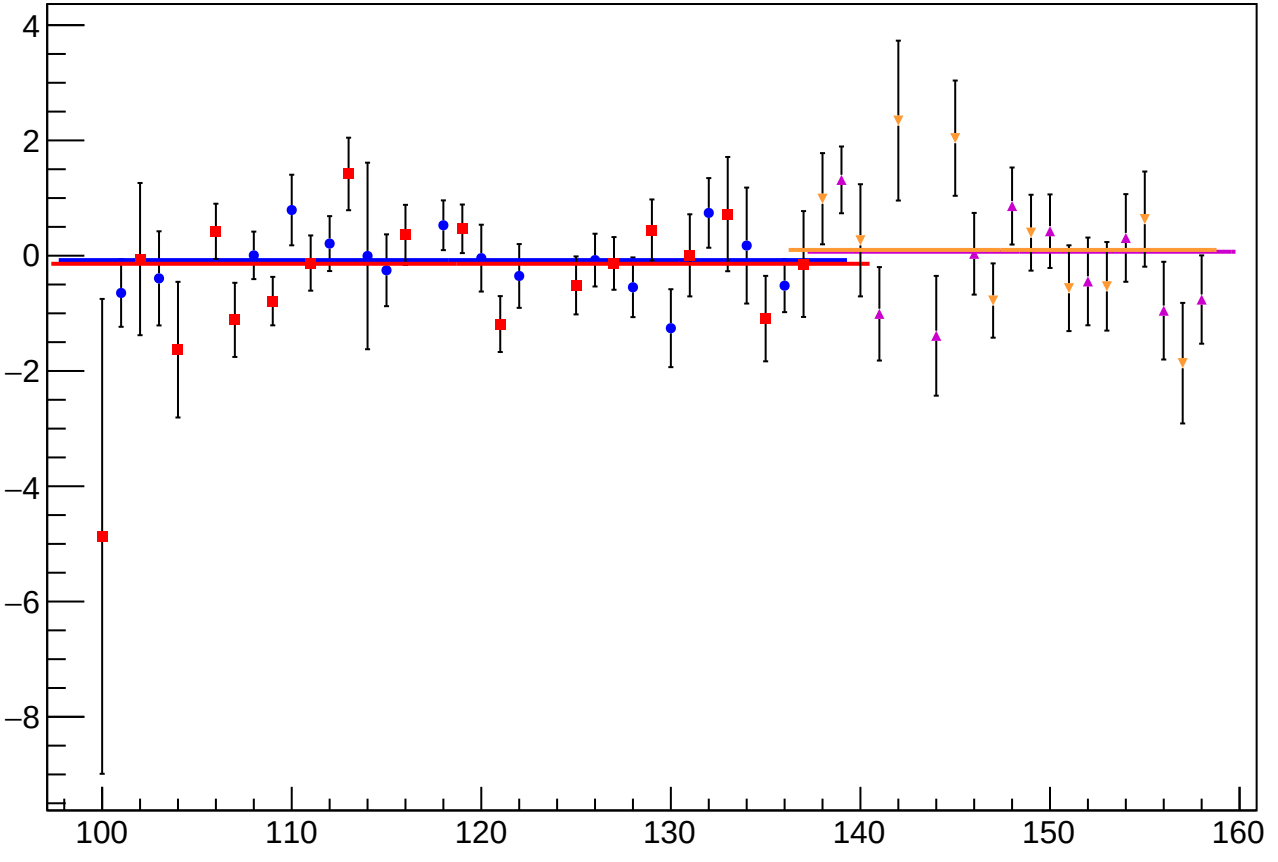
Left In: 668.539+/-0.164 χ^2/NDF:427132.0/9

+ sign 436.162+/-0.087 χ^2/NDF: 4094937.3/25

All: 430.351+/-0.060 χ^2/NDF: 8736473.5/53

- sign 424.975+/-0.084 χ^2/NDF: 4632972.0/27

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 0.100+/-0.260 χ^2/NDF:15.2/9

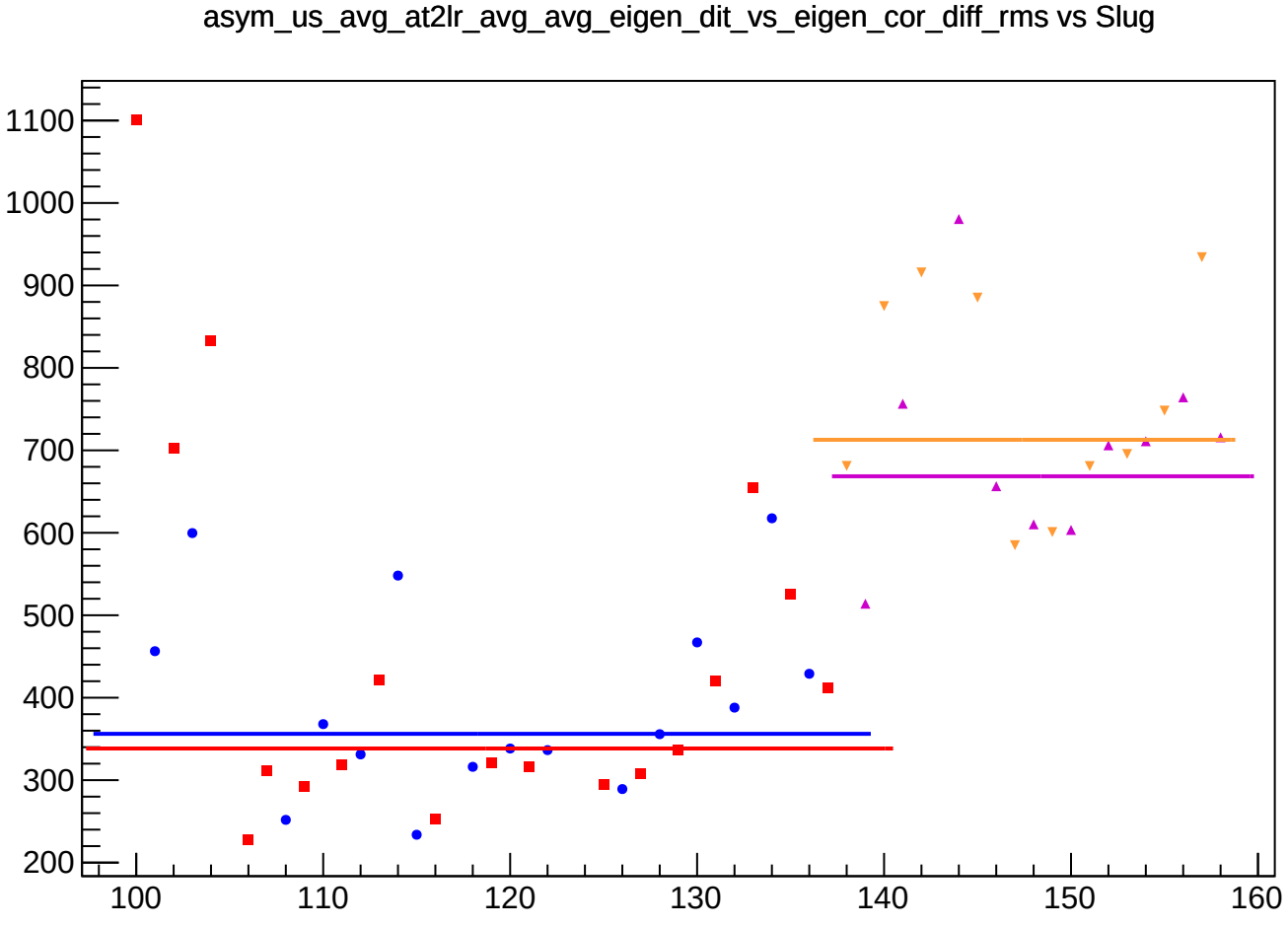
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.069+/-0.231 χ^2/NDF:13.3/9

+ sign -0.037+/-0.123 χ^2/NDF: 28.0/25

All: -0.062+/-0.085 χ^2/NDF: 69.0/53

- sign -0.086+/-0.119 χ^2/NDF: 40.9/27



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 712.794+/-0.184 χ^2/NDF:395586.4/9

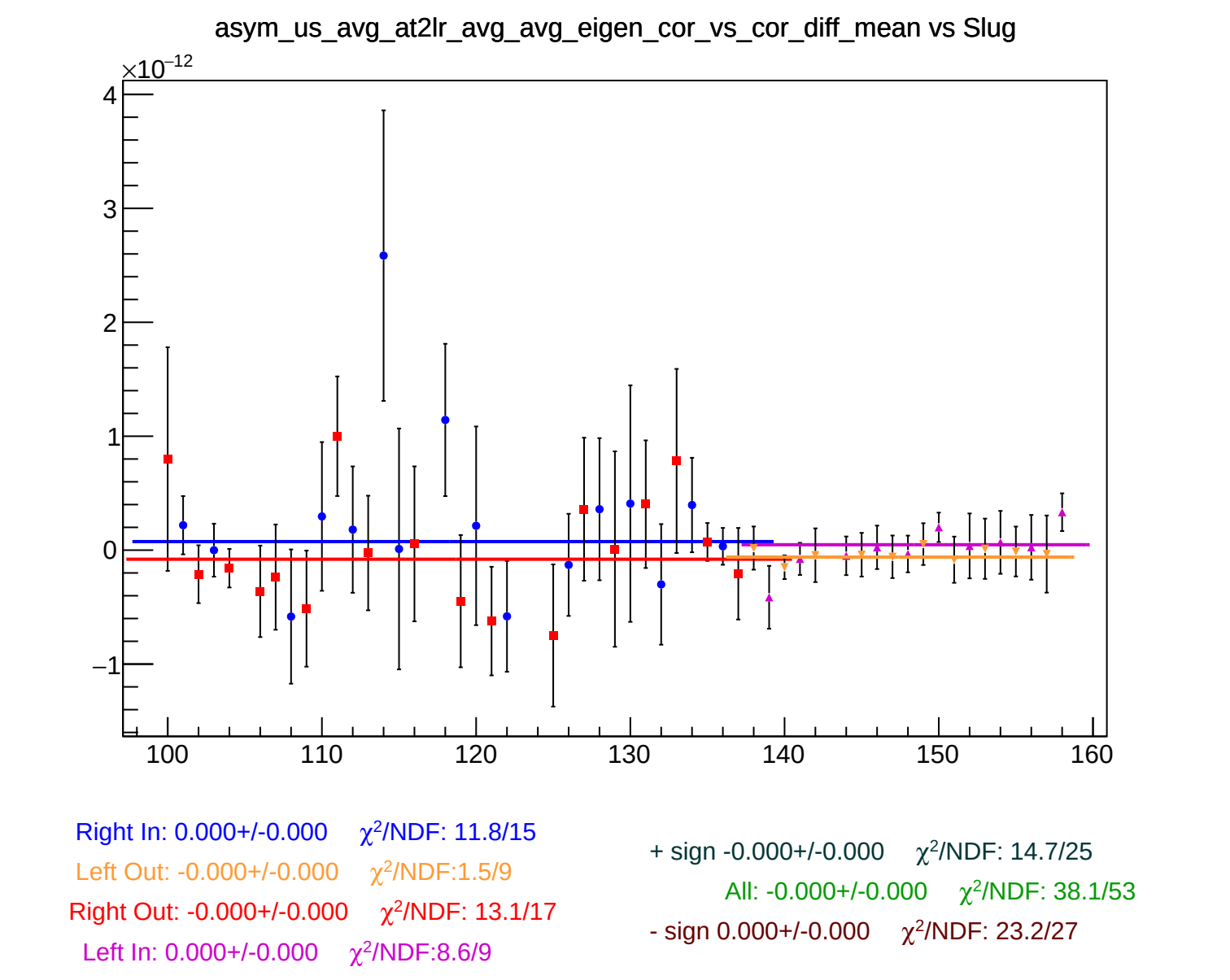
Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

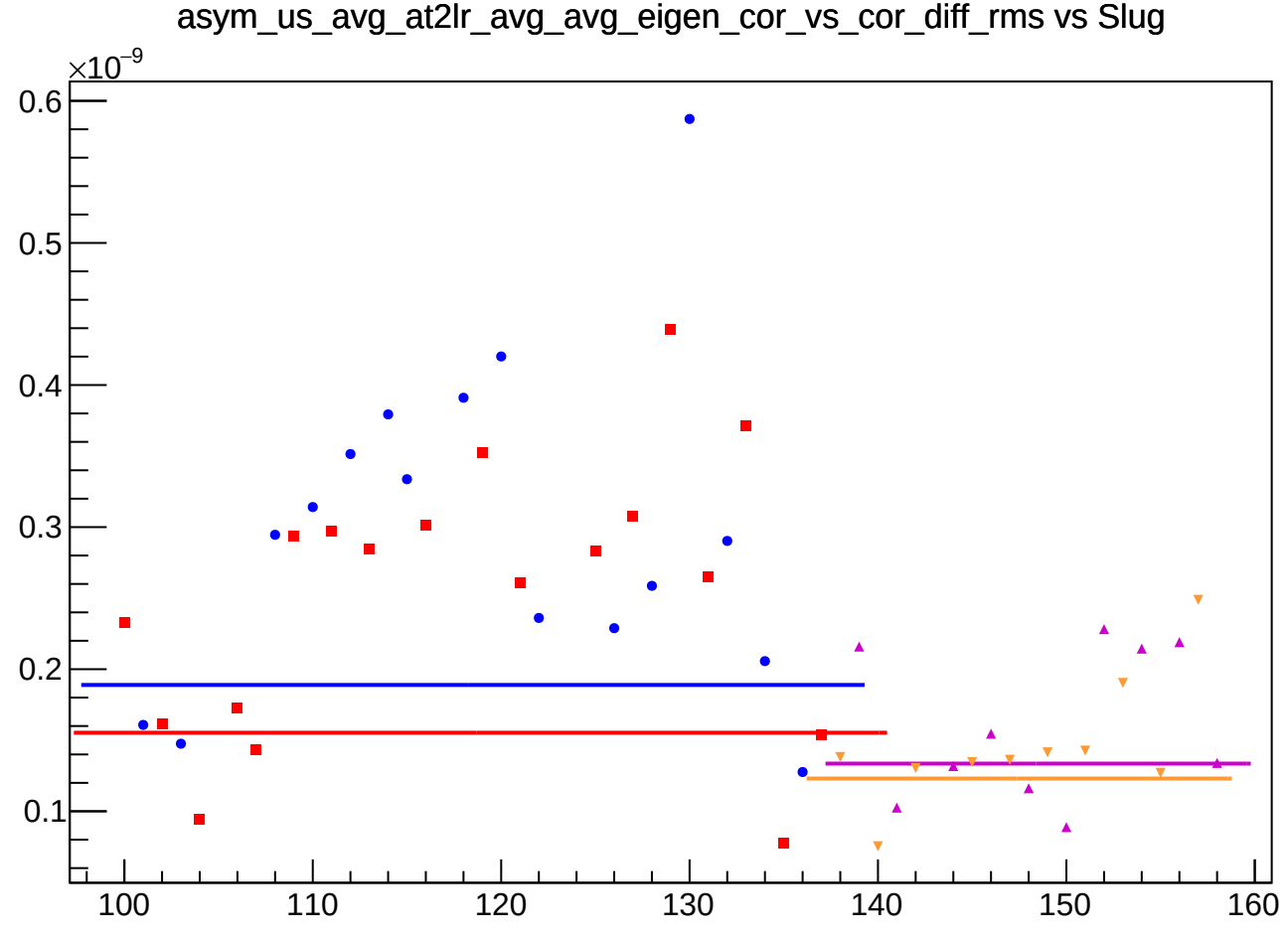
Left In: 668.539+/-0.164 χ^2/NDF:427132.0/9

+ sign 436.162+/-0.087 χ^2/NDF: 4094937.3/25

All: 430.351+/-0.060 χ^2/NDF: 8736473.5/53

- sign 424.975+/-0.084 χ^2/NDF: 4632972.0/27


asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 11.8/15
Left Out: -0.000+/-0.000 χ²/NDF:1.5/9
Right Out: -0.000+/-0.000 χ²/NDF: 13.1/17
Left In: 0.000+/-0.000 χ²/NDF:8.6/9
+ sign -0.000+/-0.000 χ²/NDF: 14.7/25
All: -0.000+/-0.000 χ²/NDF: 38.1/53
- sign 0.000+/-0.000 χ²/NDF: 23.2/27



Right In: 0.000+/-0.000 χ^2/NDF: 1520620.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:898412.5/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

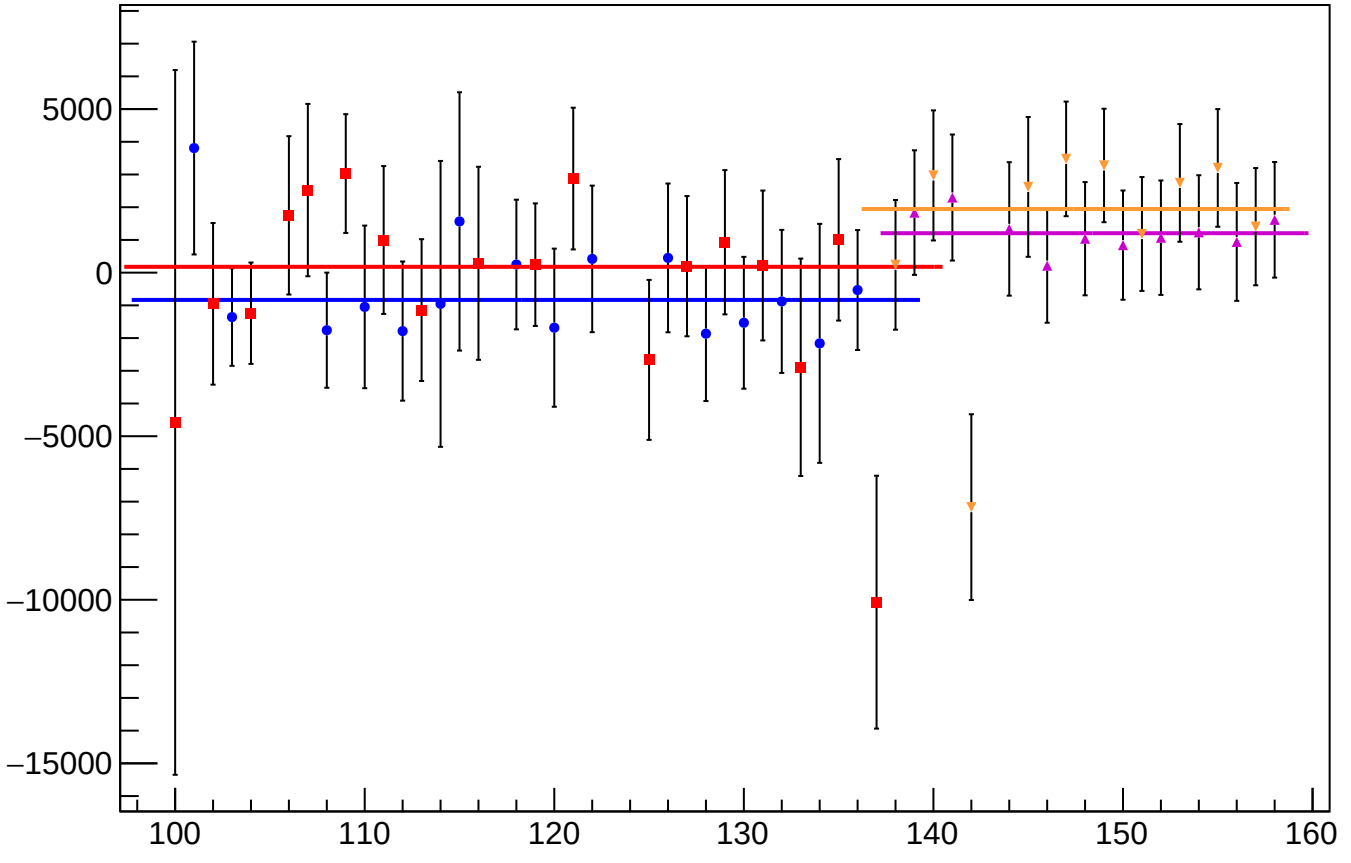
Left In: 0.000+/-0.000 χ^2/NDF:1136631.0/9

+ sign 0.000+/-0.000 χ^2/NDF: 3101833.9/25

All: 0.000+/-0.000 χ^2/NDF: 6527916.9/53

- sign 0.000+/-0.000 χ^2/NDF: 3426017.6/27

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.479+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1945.223+/-601.000 χ^2/NDF:13.7/9

Right Out: 178.292+/-547.824 χ^2/NDF: 16.5/17

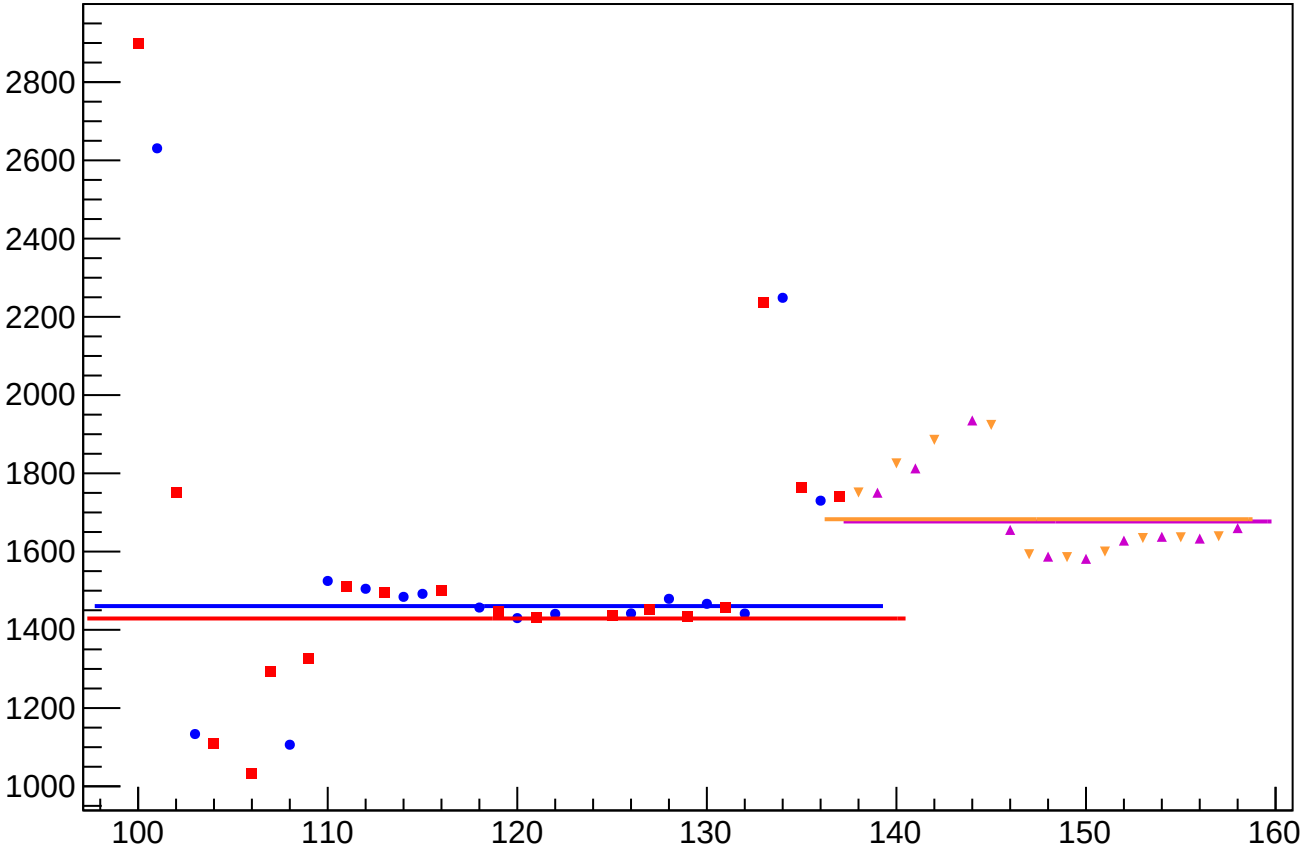
Left In: 1205.459+/-568.795 χ^2/NDF:0.9/9

+ sign 445.060+/-407.672 χ^2/NDF: 29.9/25

All: 562.539+/-283.524 χ^2/NDF: 49.1/53

- sign 672.591+/-394.575 χ^2/NDF: 19.0/27

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1682.674+/-0.425 χ^2/NDF:68261.8/9

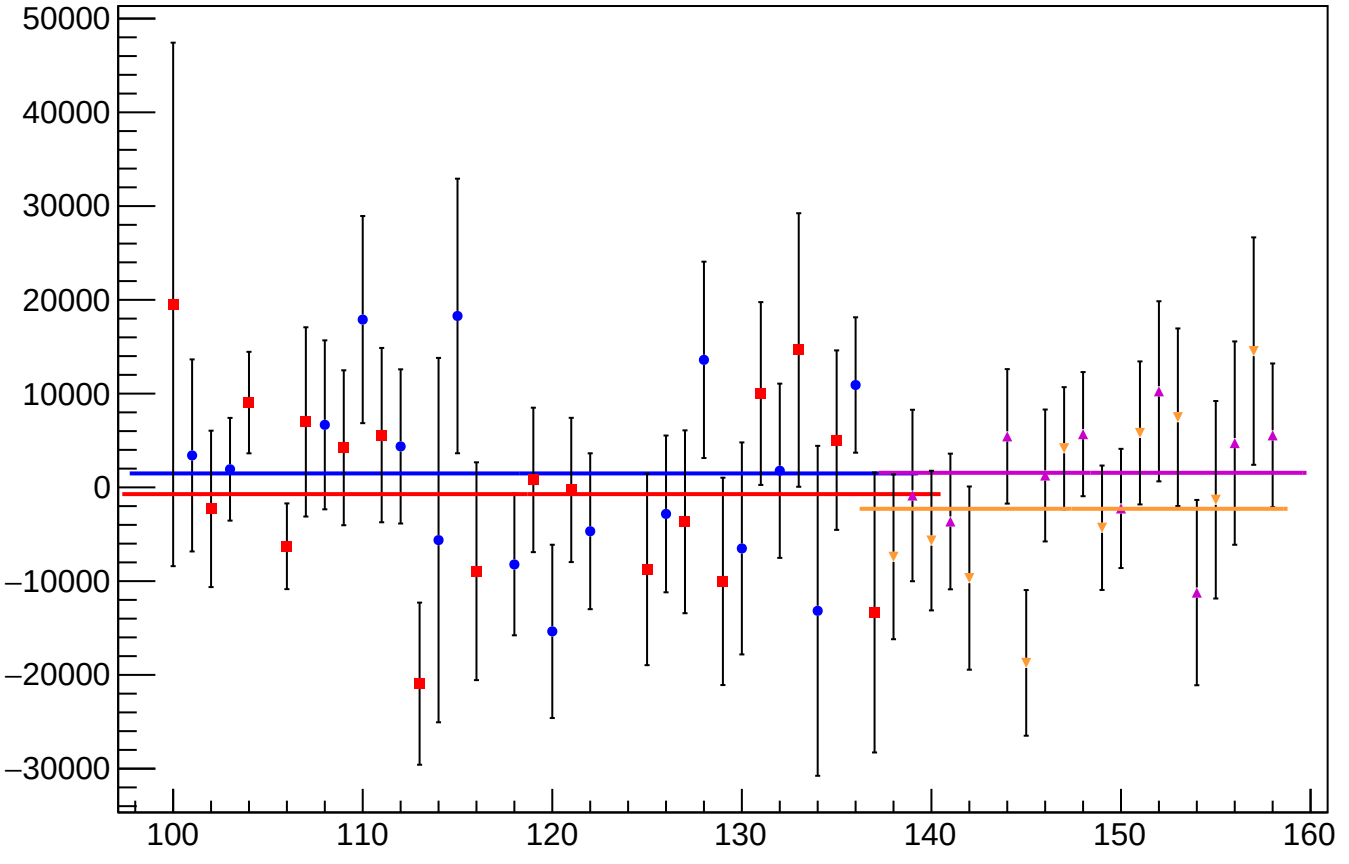
Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1676.921+/-0.402 χ^2/NDF:61136.1/9

+ sign 1562.810+/-0.288 χ^2/NDF: 791352.7/25

All: 1554.802+/-0.200 χ^2/NDF: 1463871.9/53

- sign 1547.358+/-0.278 χ^2/NDF: 671030.3/27



Right In: 1487.438+/-2268.028 χ^2/NDF: 14.2/15

Left Out: -2284.241+/-2595.406 χ^2/NDF:10.8/9

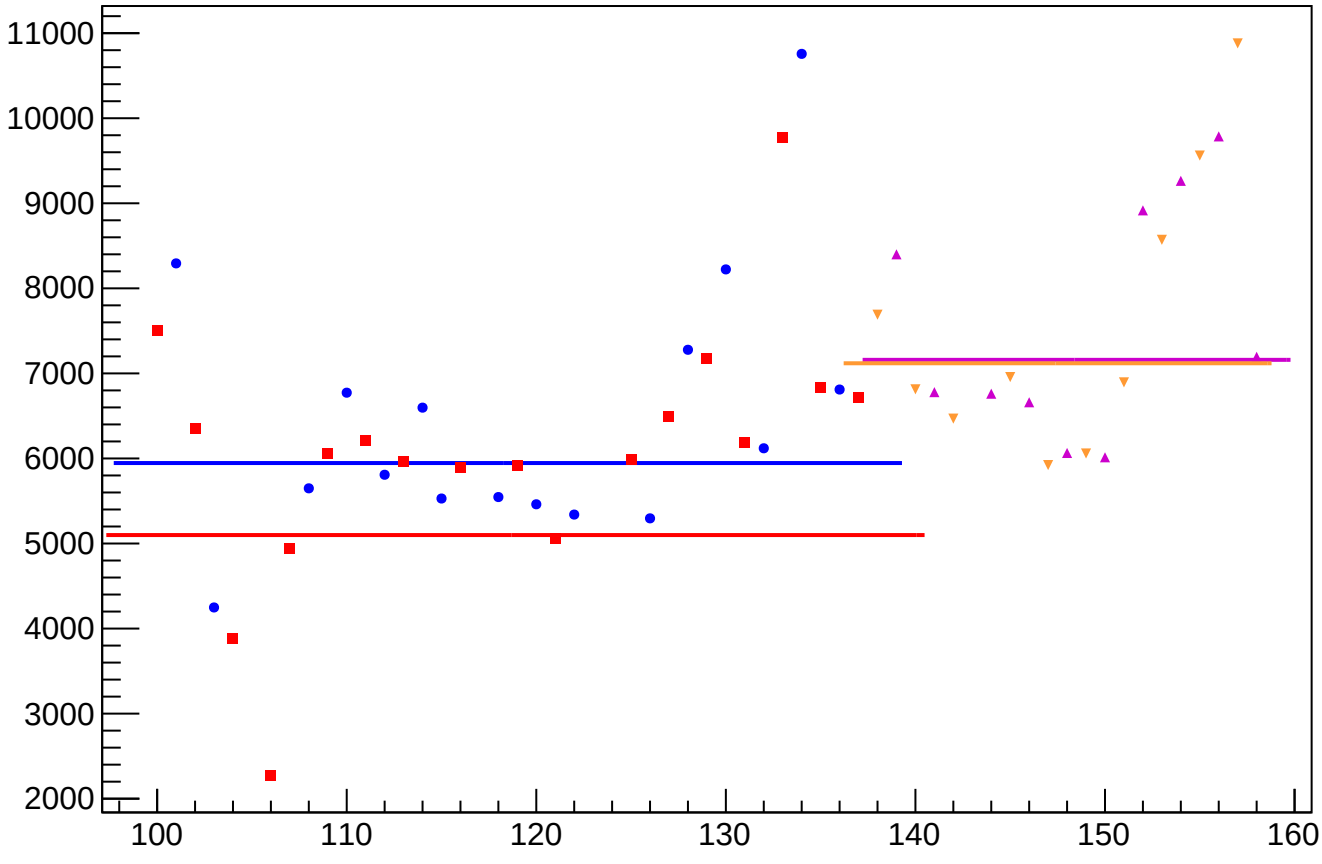
Right Out: -720.166+/-2011.559 χ^2/NDF: 17.5/17

Left In: 1553.202+/-2462.731 χ^2/NDF:4.5/9

+ sign -145.659+/-1707.828 χ^2/NDF: 26.2/25

All: 37.321+/-1150.969 χ^2/NDF: 48.7/53

- sign 189.587+/-1557.915 χ^2/NDF: 22.5/27



Right In: 5946.080+/-1.604 χ^2/NDF: 641131.4/15

Left Out: 7119.011+/-1.835 χ^2/NDF:488764.7/9

Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

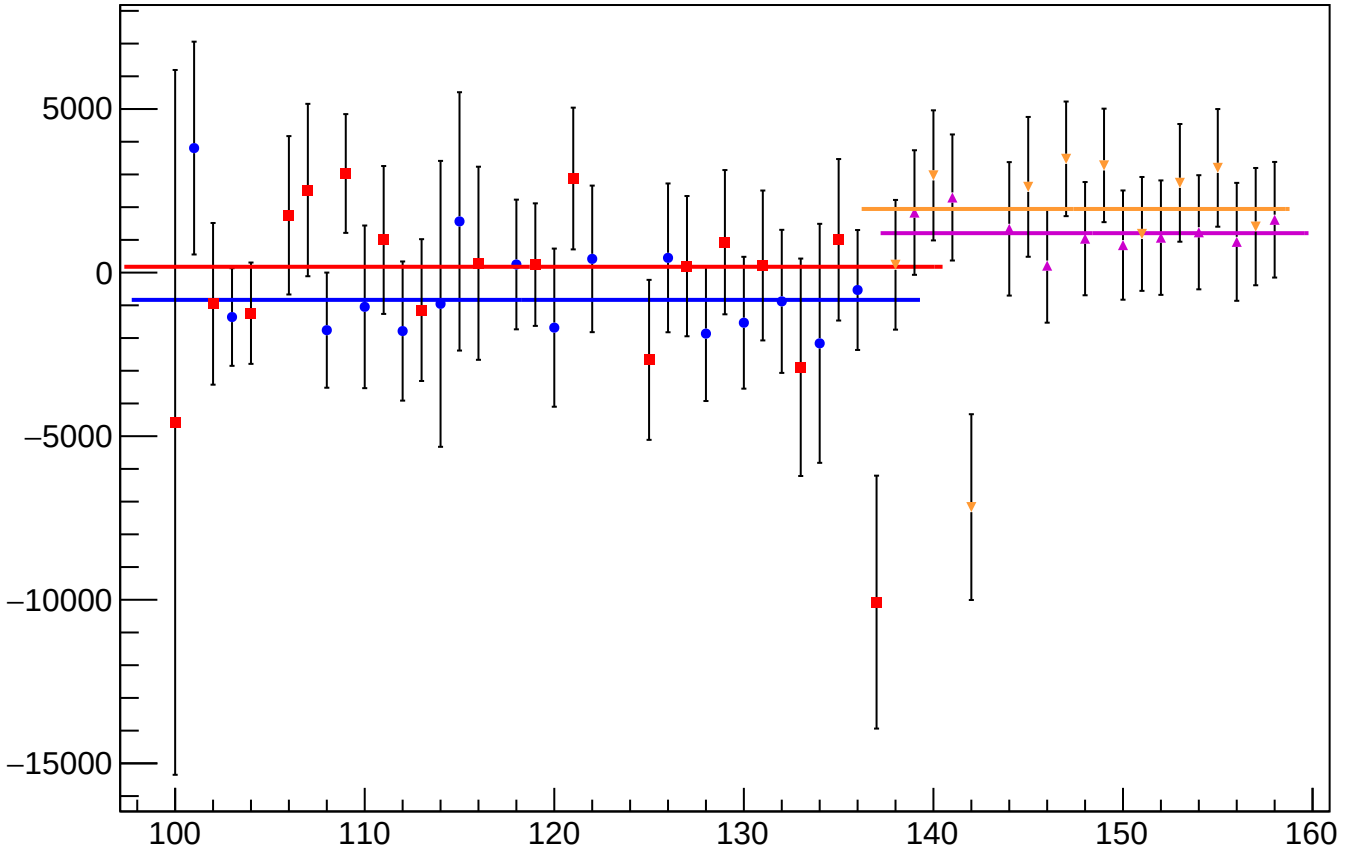
Left In: 7159.394+/-1.741 χ^2/NDF:453325.8/9

+ sign 6453.947+/-1.208 χ^2/NDF: 1361505.2/25

All: 6164.561+/-0.814 χ^2/NDF: 4239792.3/53

- sign 5923.750+/-1.102 χ^2/NDF: 2773077.2/27

cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1945.215+/-601.000 χ^2/NDF:13.7/9

Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

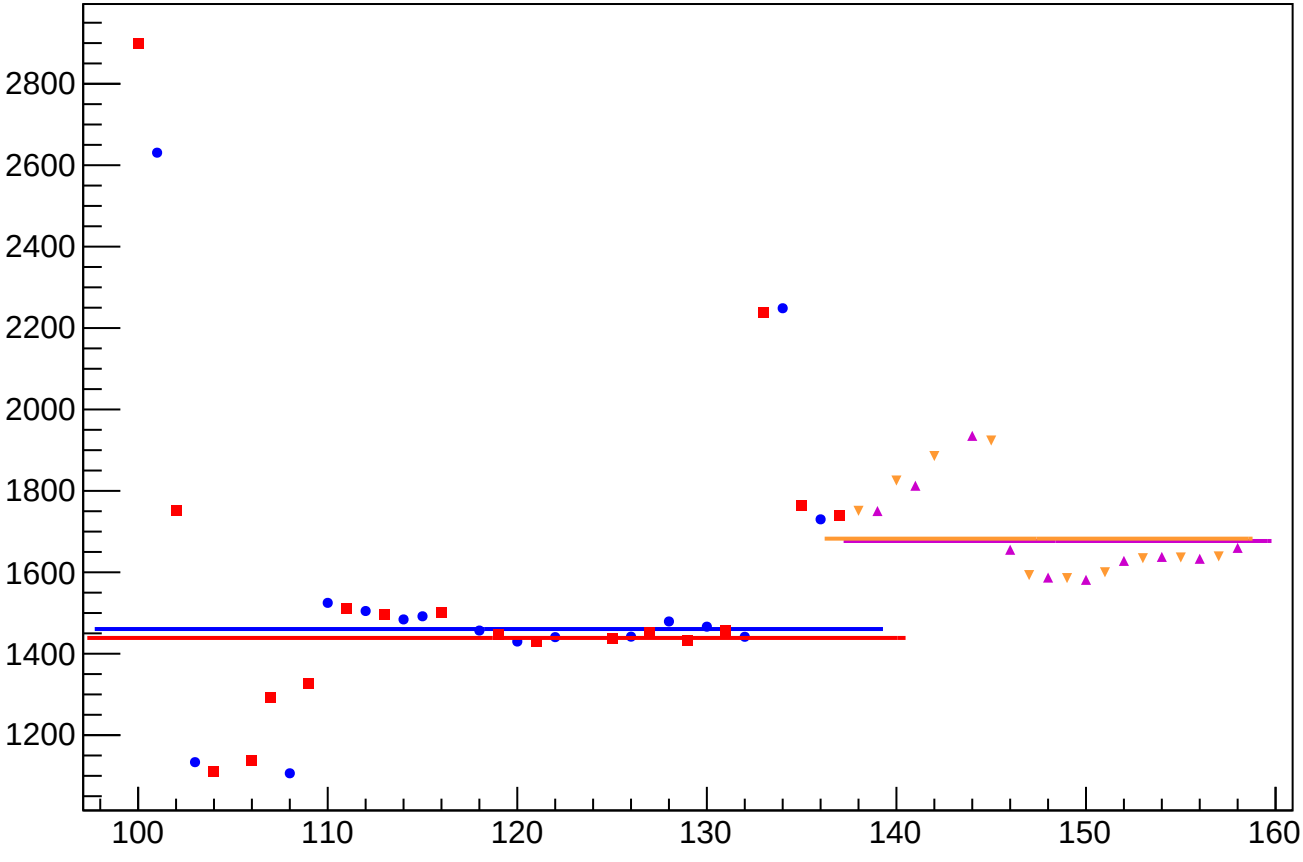
Left In: 1205.522+/-568.795 χ^2/NDF:0.9/9

+ sign 445.022+/-407.672 χ^2/NDF: 29.9/25

All: 562.494+/-283.524 χ^2/NDF: 49.1/53

- sign 672.539+/-394.575 χ^2/NDF: 19.0/27

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1682.674+/-0.425 χ^2/NDF:68261.7/9

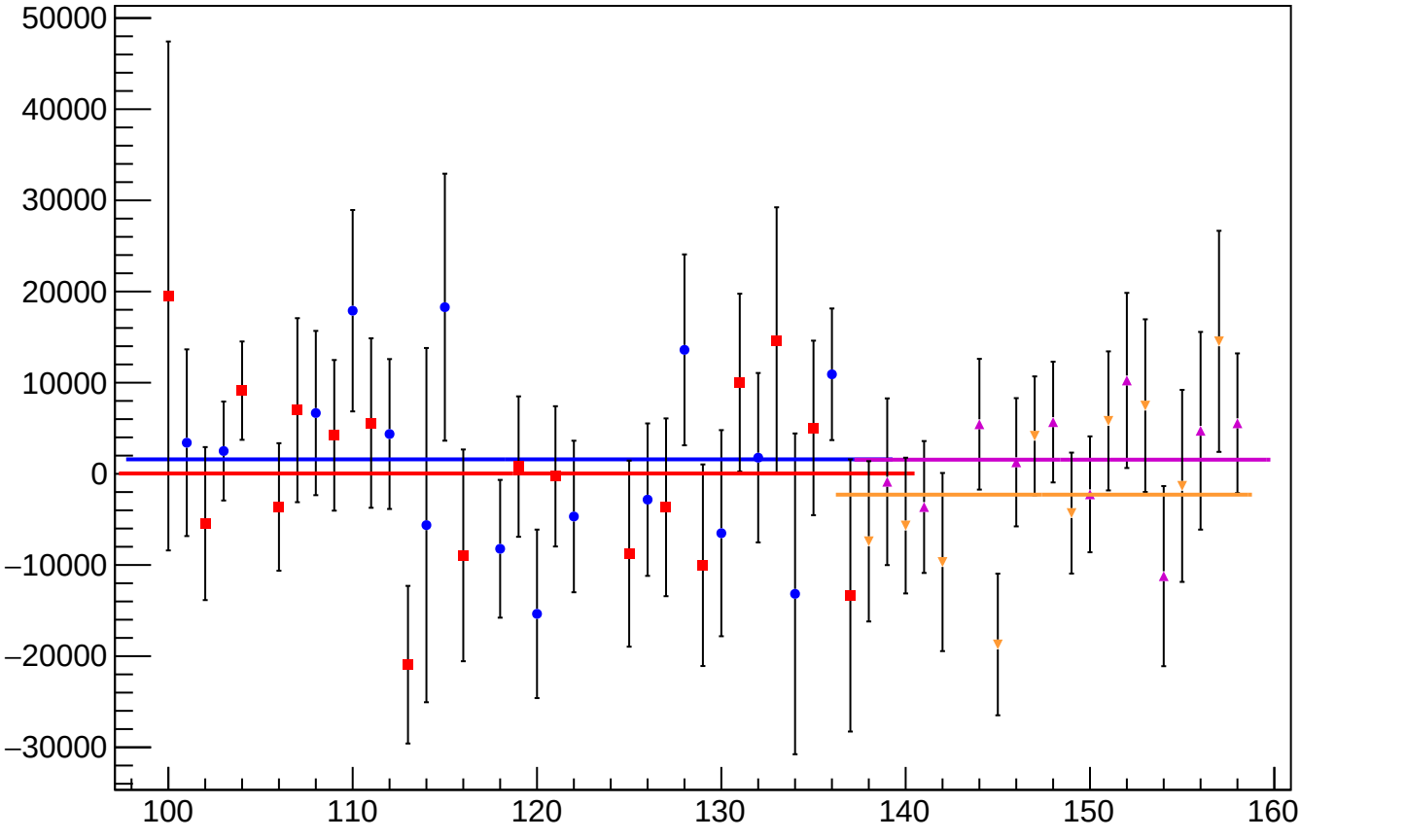
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1676.921+/-0.402 χ^2/NDF:61136.1/9

+ sign 1562.810+/-0.288 χ^2/NDF: 791353.1/25

All: 1557.790+/-0.200 χ^2/NDF: 1408749.0/53

- sign 1553.099+/-0.279 χ^2/NDF: 616809.4/27



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -2284.285+/-2595.404 χ^2/NDF:10.8/9

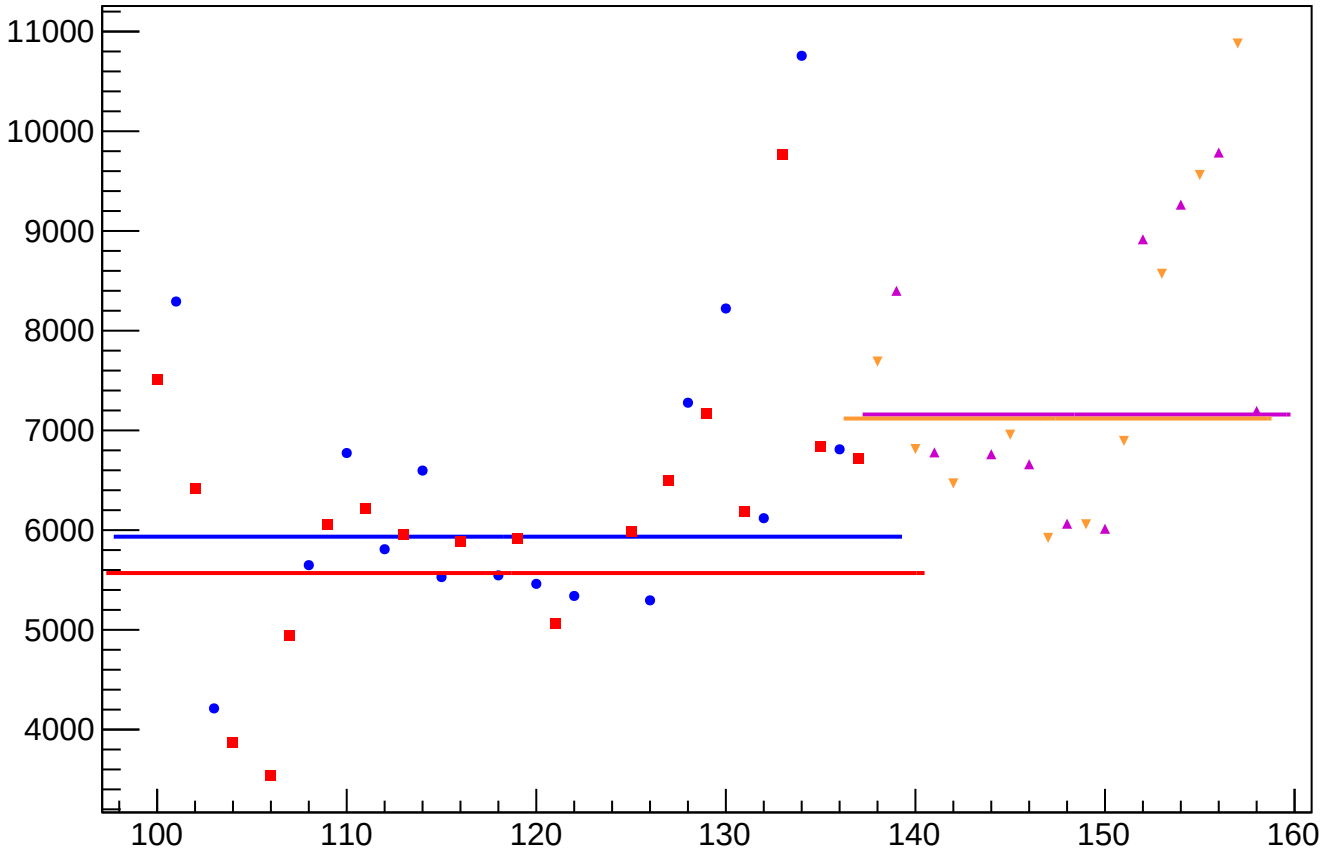
Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: 1553.282+/-2462.729 χ^2/NDF:4.5/9

+ sign -85.127+/-1706.217 χ^2/NDF: 26.3/25

All: 323.819+/-1171.881 χ^2/NDF: 47.5/53

- sign 689.004+/-1612.344 χ^2/NDF: 21.1/27



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7119.006+/-1.835 χ^2/NDF:488763.7/9

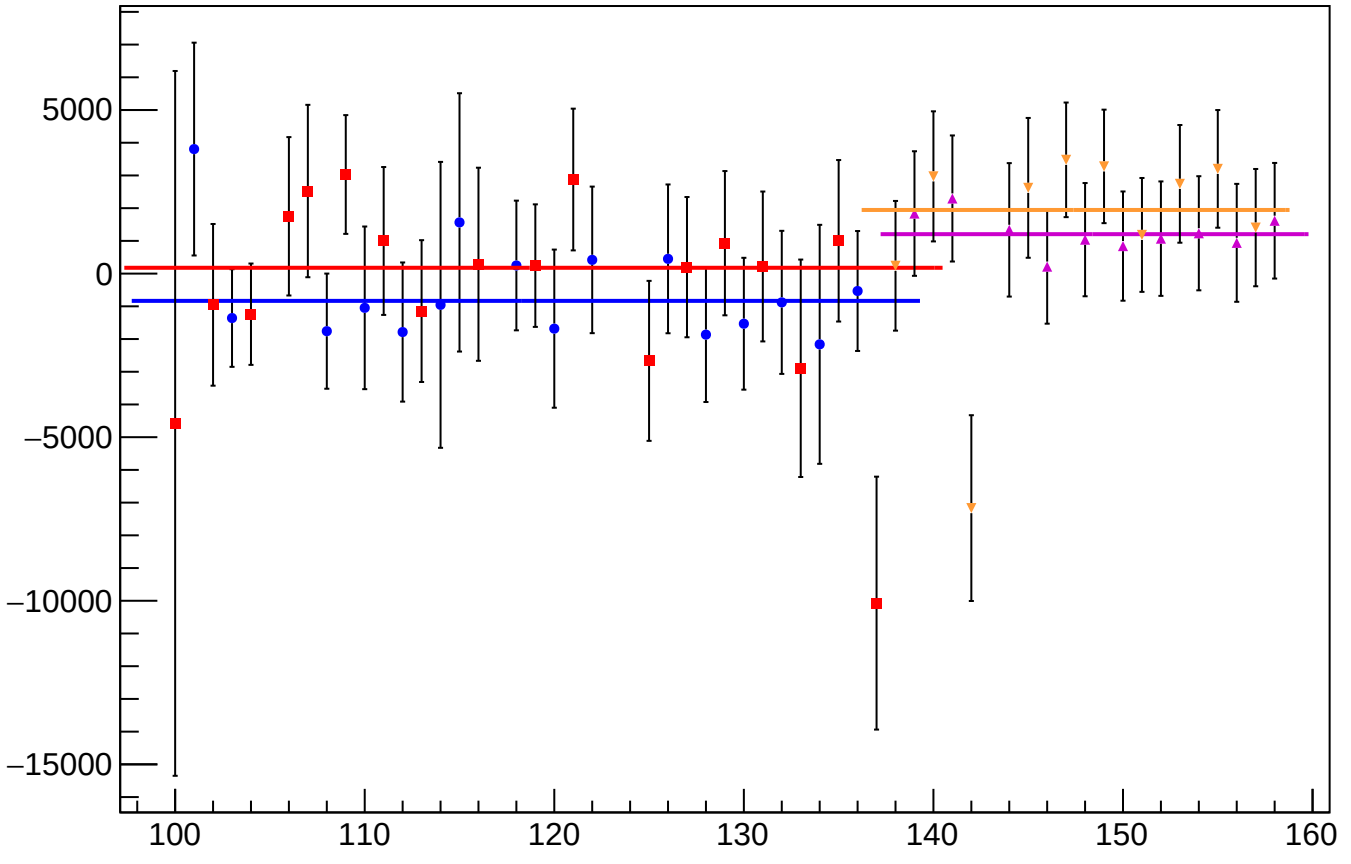
Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7159.389+/-1.741 χ^2/NDF:453327.8/9

+ sign 6446.247+/-1.206 χ^2/NDF: 1378505.7/25

All: 6343.123+/-0.829 χ^2/NDF: 3045913.3/53

- sign 6251.034+/-1.140 χ^2/NDF: 1653577.3/27



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1945.215+/-601.000 χ^2/NDF:13.7/9

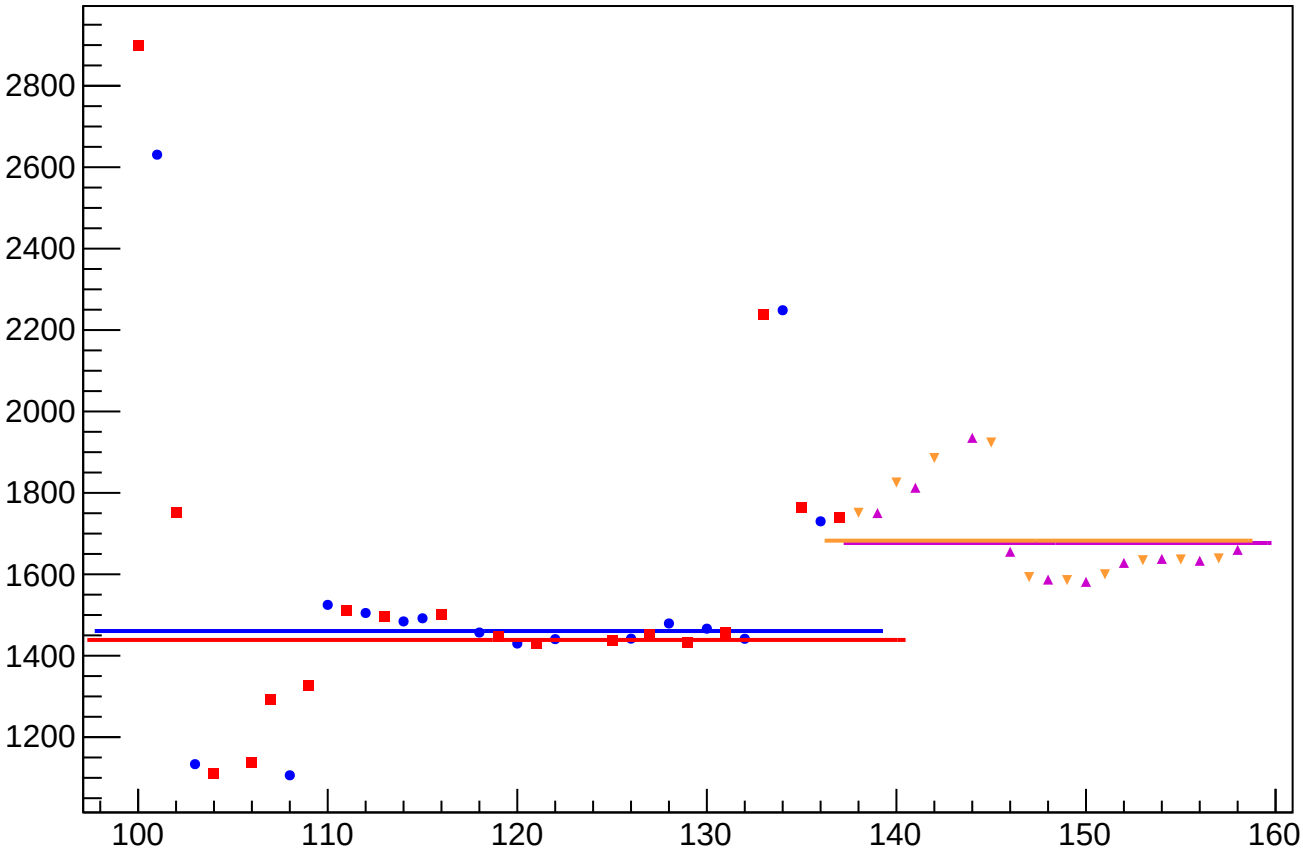
Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

Left In: 1205.522+/-568.795 χ^2/NDF:0.9/9

\+ sign 445.022+/-407.672 χ^2/NDF: 29.9/25

All: 562.494+/-283.524 χ^2/NDF: 49.1/53

\- sign 672.539+/-394.575 χ^2/NDF: 19.0/27



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1682.674+/-0.425 χ^2/NDF:68261.7/9

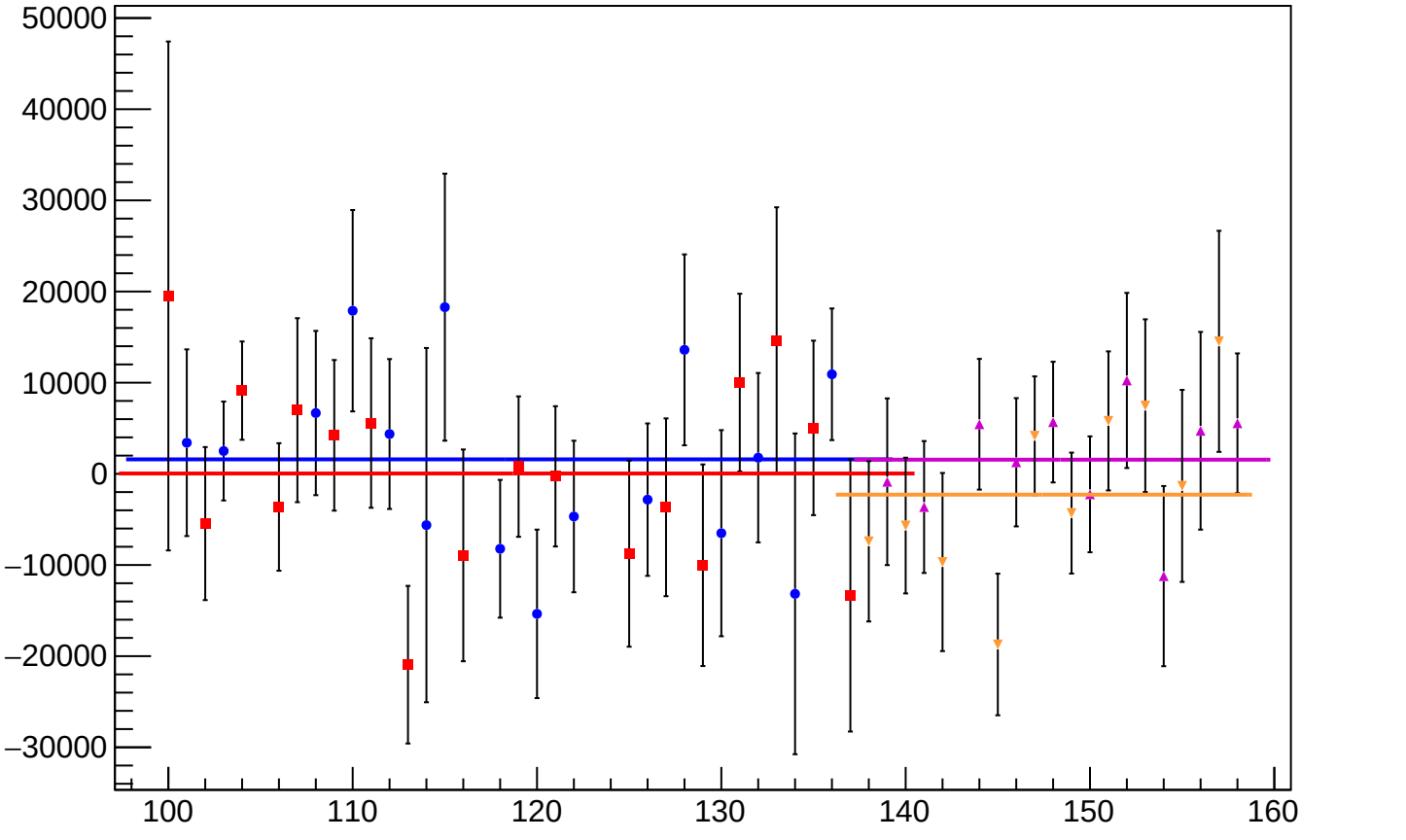
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1676.921+/-0.402 χ^2/NDF:61136.1/9

+ sign 1562.810+/-0.288 χ^2/NDF: 791353.1/25

All: 1557.790+/-0.200 χ^2/NDF: 1408749.0/53

- sign 1553.099+/-0.279 χ^2/NDF: 616809.4/27



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -2284.285+/-2595.404 χ^2/NDF:10.8/9

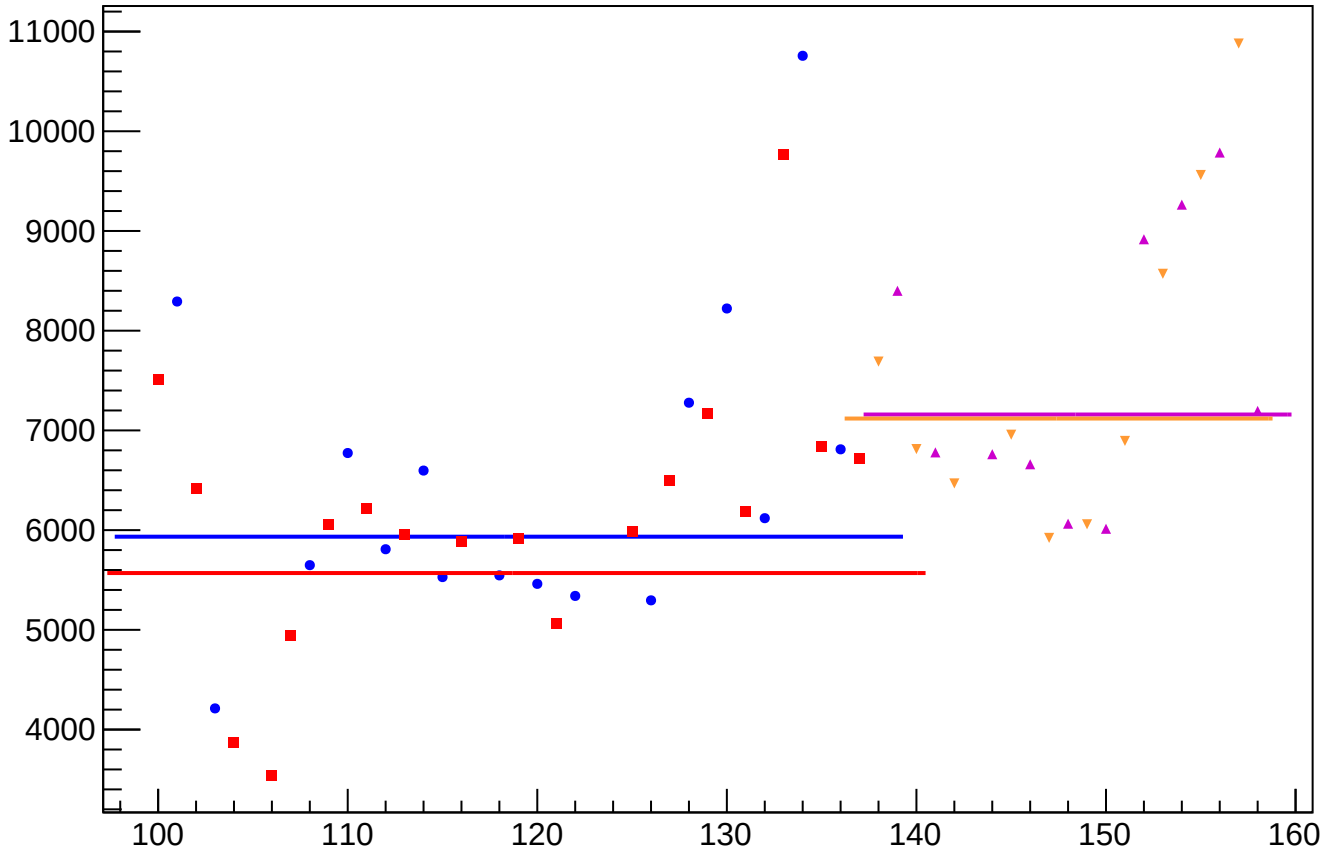
Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: 1553.282+/-2462.729 χ^2/NDF:4.5/9

+ sign -85.127+/-1706.217 χ^2/NDF: 26.3/25

All: 323.819+/-1171.881 χ^2/NDF: 47.5/53

- sign 689.004+/-1612.344 χ^2/NDF: 21.1/27



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7119.006+/-1.835 χ^2/NDF:488763.7/9

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

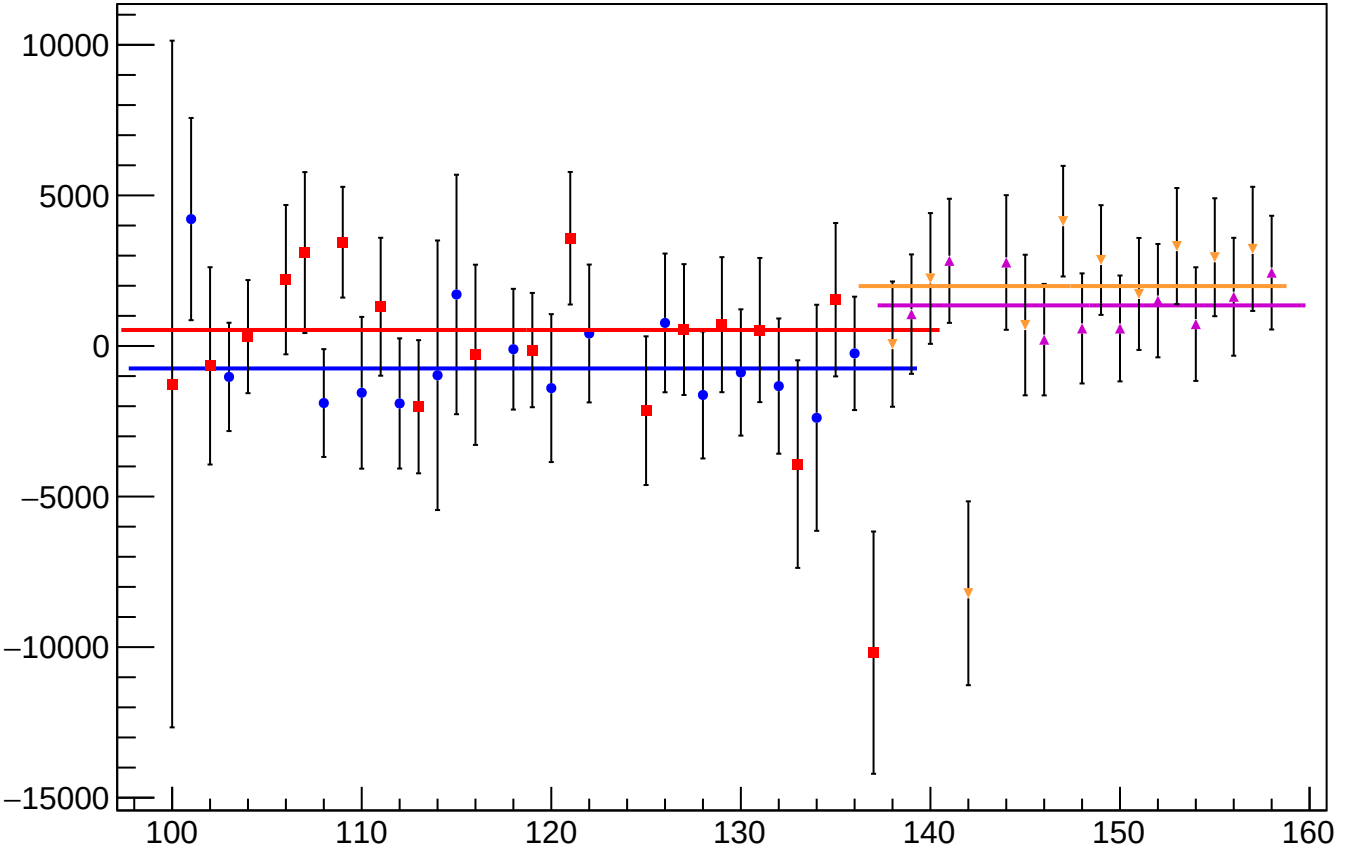
Left In: 7159.389+/-1.741 χ^2/NDF:453327.8/9

+ sign 6446.247+/-1.206 χ^2/NDF: 1378505.7/25

All: 6343.123+/-0.829 χ^2/NDF: 3045913.3/53

- sign 6251.034+/-1.140 χ^2/NDF: 1653577.3/27

dit_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -745.914+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1988.699+/-647.335 χ^2/NDF:15.0/9

Right Out: 531.292+/-575.115 χ^2/NDF: 17.7/17

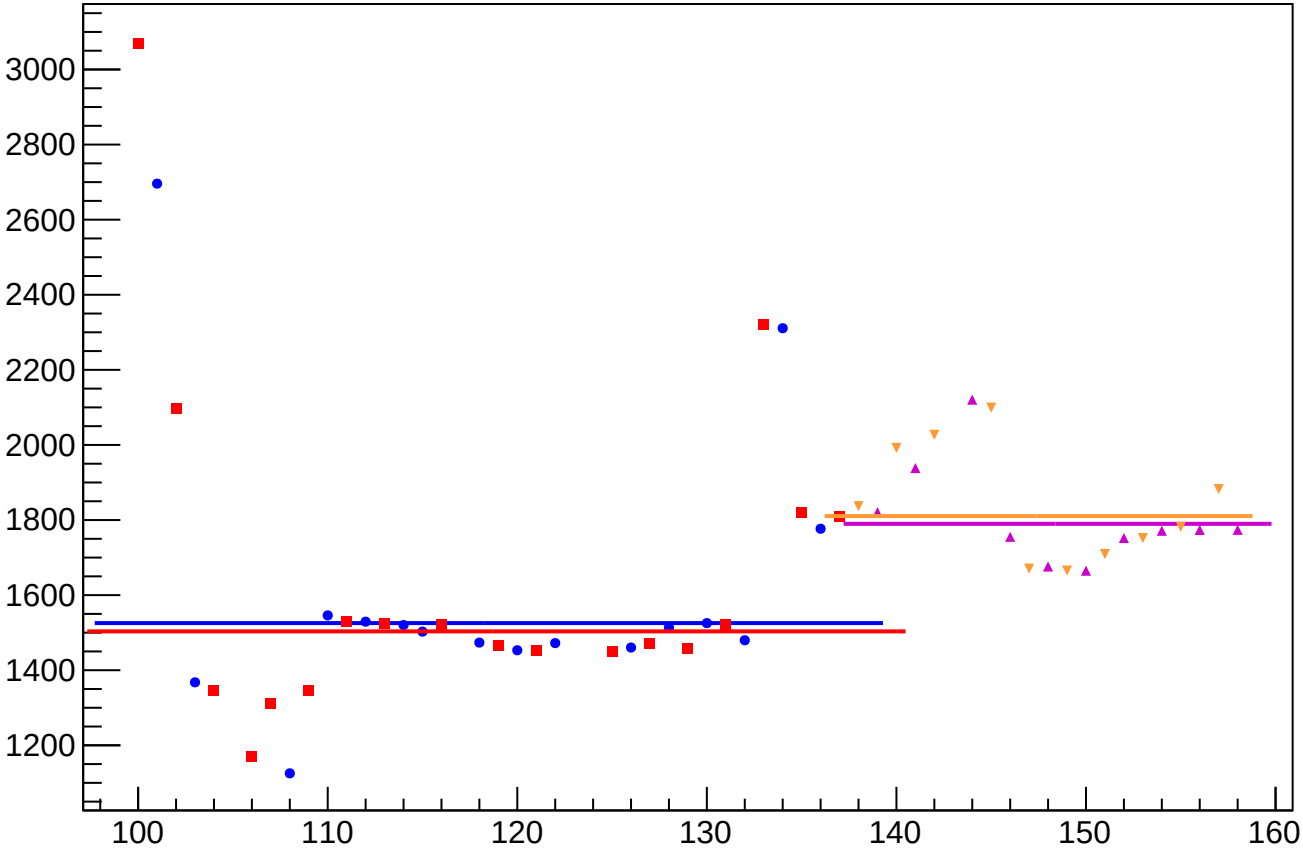
Left In: 1347.995+/-607.493 χ^2/NDF:2.2/9

+ sign 467.315+/-431.174 χ^2/NDF: 29.7/25

All: 699.478+/-299.989 χ^2/NDF: 51.1/53

- sign 917.300+/-417.645 χ^2/NDF: 20.8/27

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1810.500+/-0.458 χ^2/NDF:89944.1/9

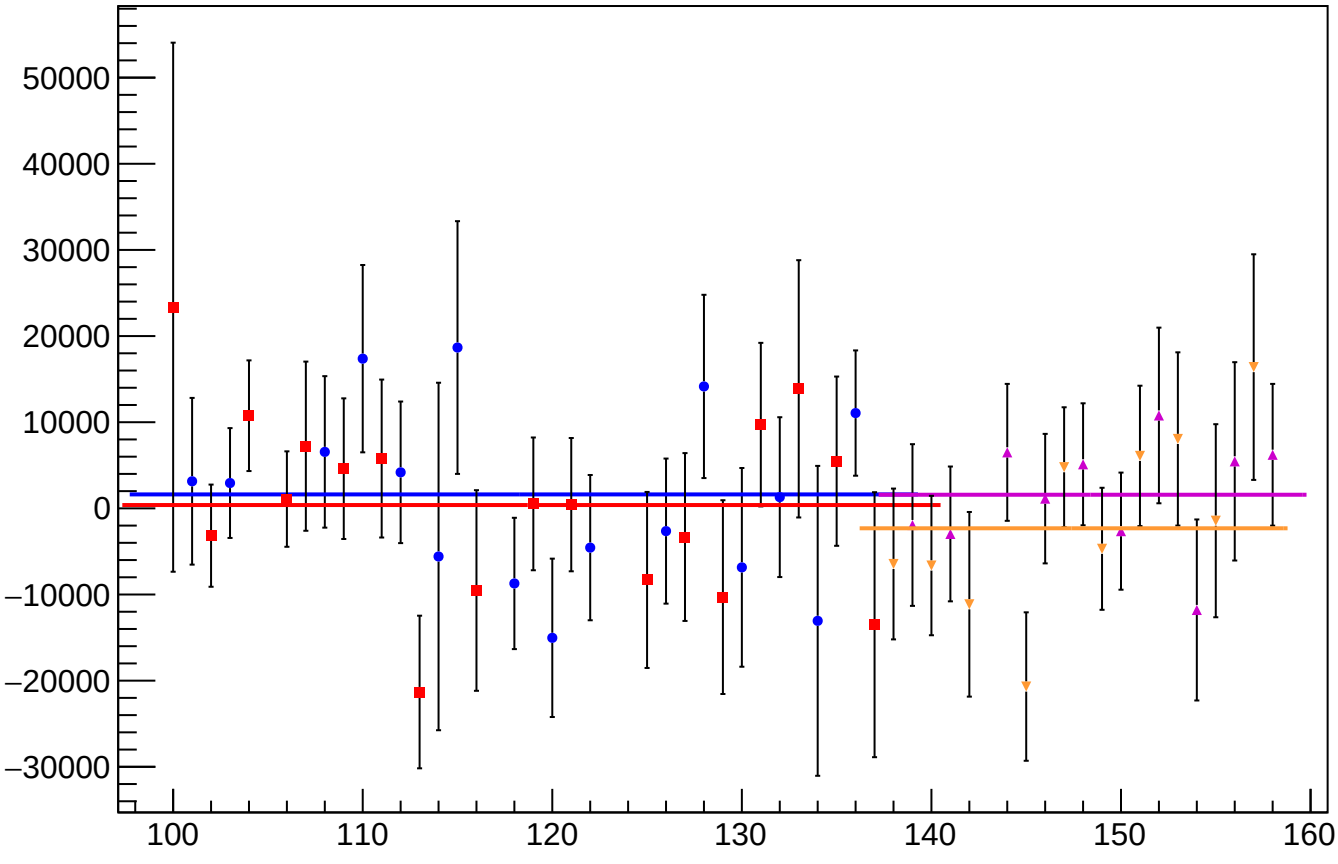
Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1789.915+/-0.430 χ^2/NDF:74451.6/9

+ sign 1651.962+/-0.305 χ^2/NDF: 793895.2/25

All: 1645.168+/-0.212 χ^2/NDF: 1442436.0/53

- sign 1638.796+/-0.295 χ^2/NDF: 647578.4/27



Right In: 1620.058+/-2320.032 χ^2/NDF: 14.3/15

Left Out: -2313.461+/-2775.101 χ^2/NDF:11.1/9

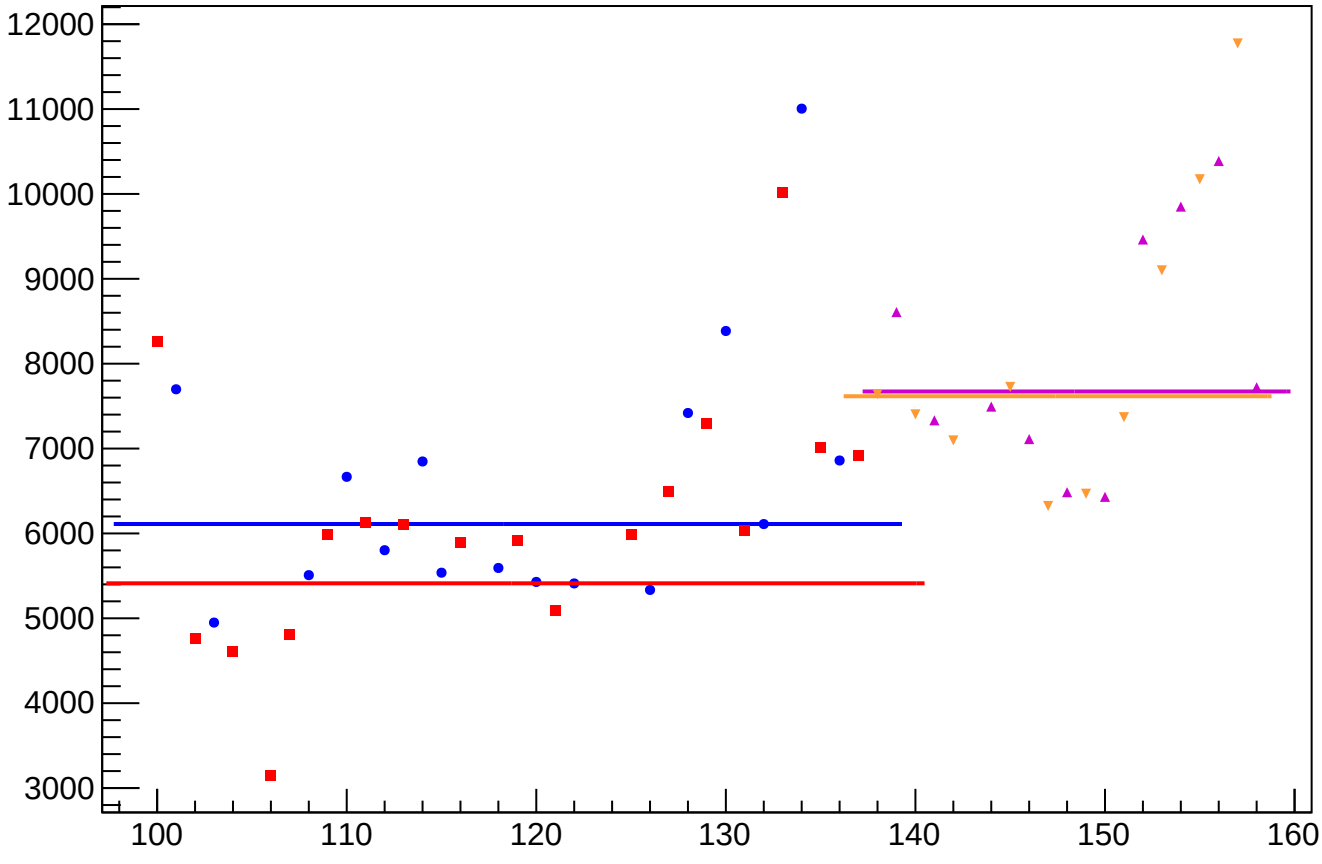
Right Out: 385.942+/-2060.867 χ^2/NDF: 16.0/17

Left In: 1580.853+/-2636.978 χ^2/NDF:4.4/9

+ sign 1.838+/-1779.946 χ^2/NDF: 26.5/25

All: 458.762+/-1199.610 χ^2/NDF: 47.1/53

- sign 839.033+/-1623.796 χ^2/NDF: 20.5/27



Right In: 6111.037+/-1.641 χ^2/NDF: 471661.4/15

Left Out: 7616.114+/-1.962 χ^2/NDF:479057.8/9

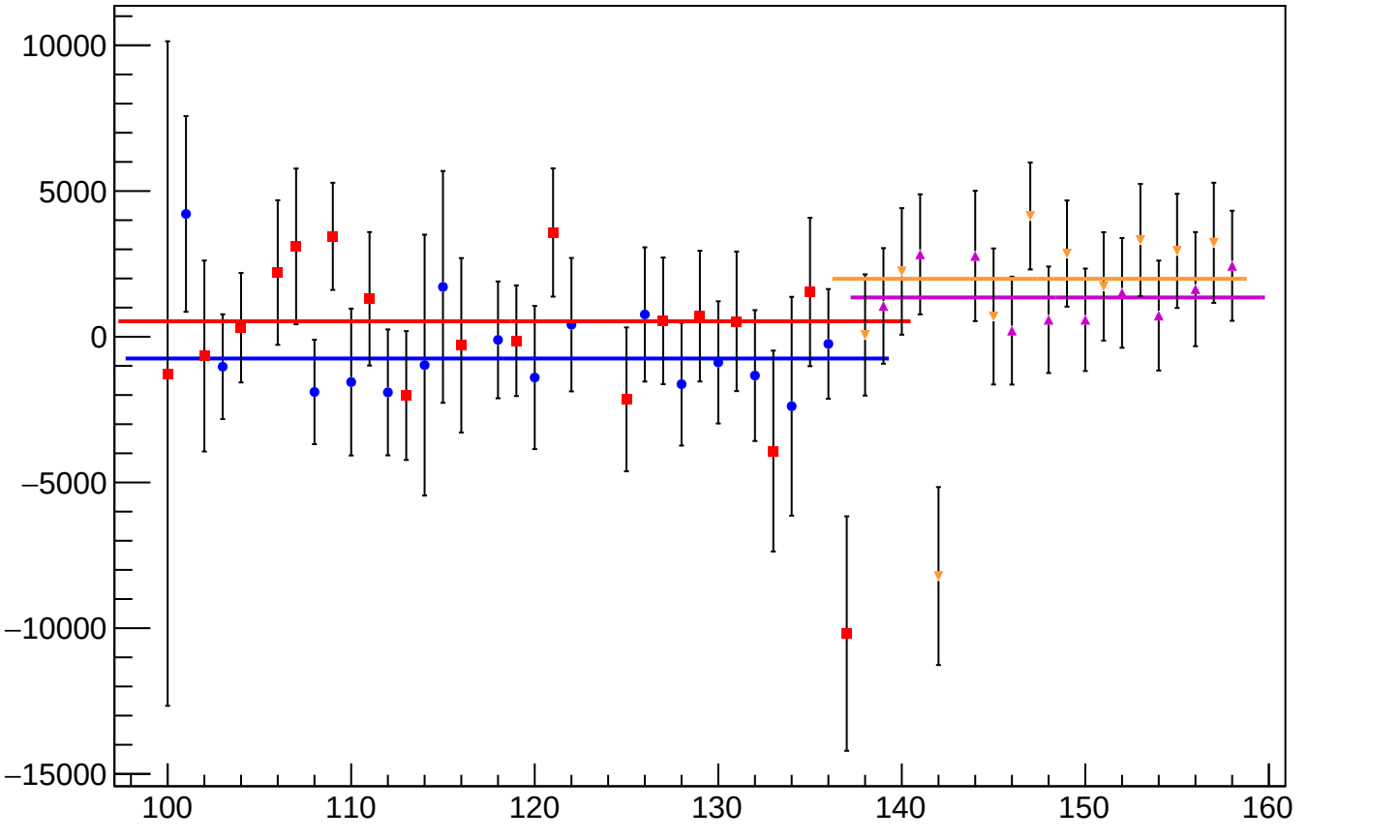
Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 7672.540+/-1.865 χ^2/NDF:417713.4/9

+ sign 6730.214+/-1.259 χ^2/NDF: 1296989.9/25

All: 6478.674+/-0.848 χ^2/NDF: 3521633.6/53

- sign 6269.332+/-1.148 χ^2/NDF: 2151460.3/27



Right In: -745.918+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1988.697+/-647.336 χ^2/NDF:15.0/9

Right Out: 531.302+/-575.115 χ^2/NDF: 17.7/17

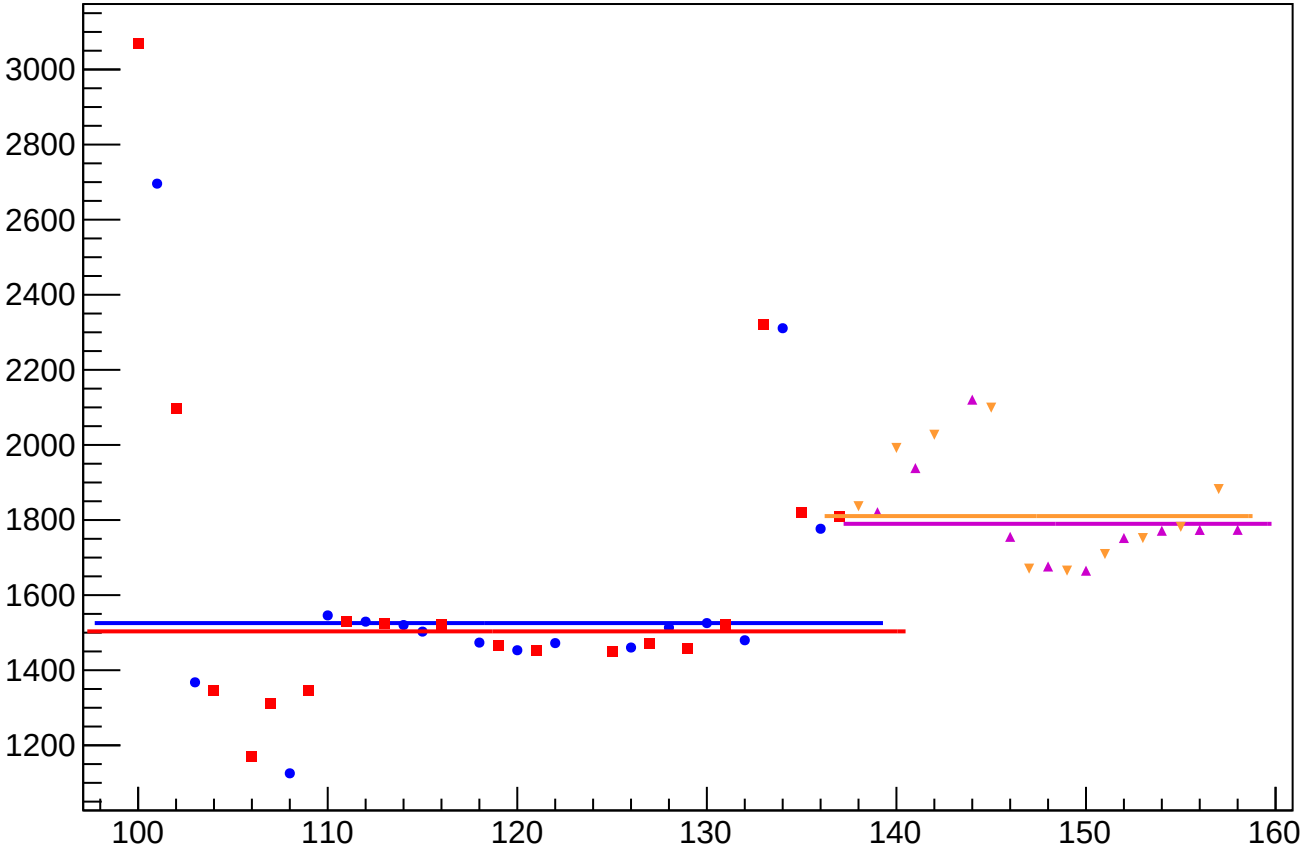
Left In: 1347.994+/-607.494 χ^2/NDF:2.2/9

+ sign 467.310+/-431.174 χ^2/NDF: 29.7/25

All: 699.477+/-299.989 χ^2/NDF: 51.1/53

- sign 917.304+/-417.645 χ^2/NDF: 20.8/27

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1525.536+/-0.409 χ^2/NDF: 488327.8/15

Left Out: 1810.502+/-0.458 χ^2/NDF:89945.2/9

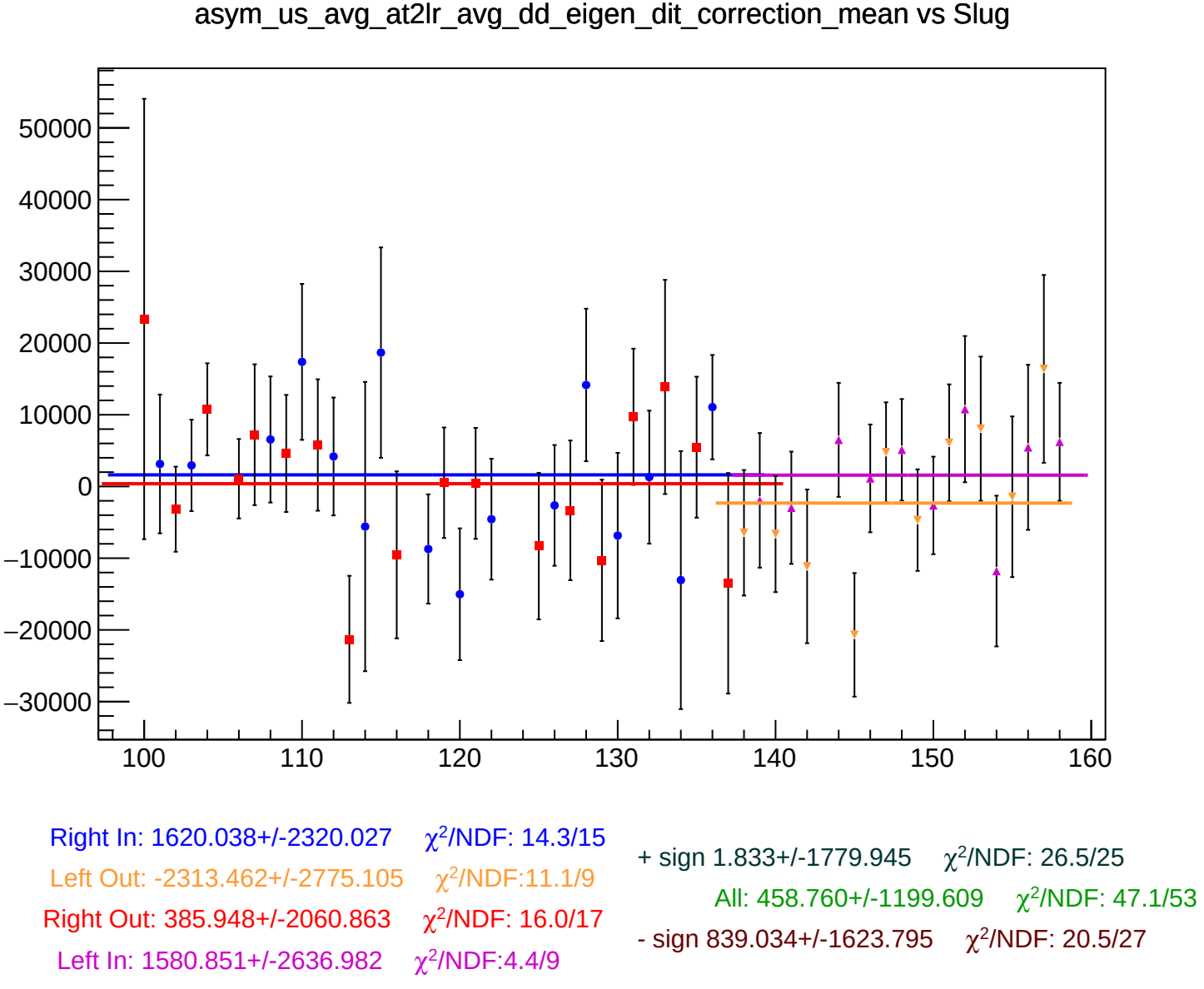
Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

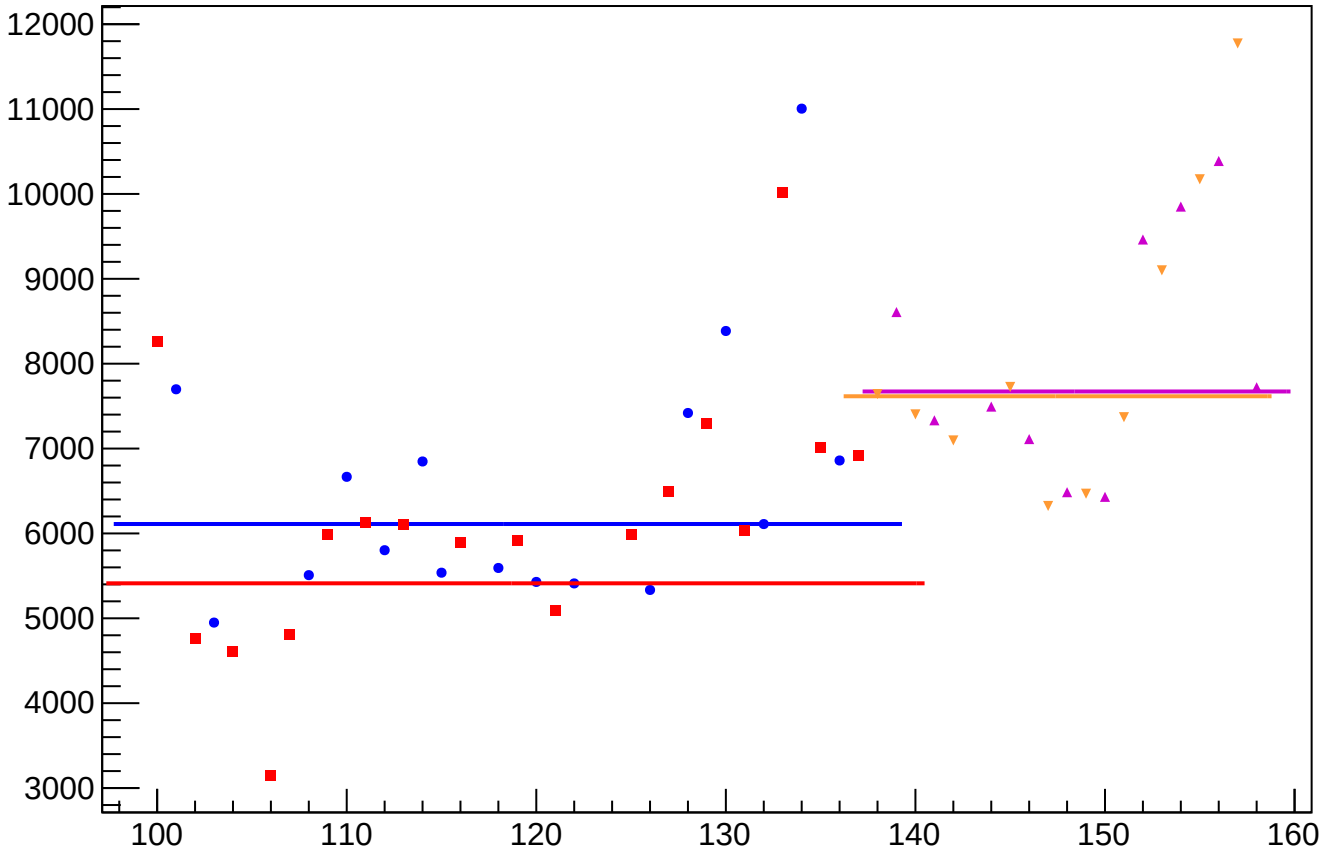
Left In: 1789.918+/-0.430 χ^2/NDF:74451.8/9

+ sign 1651.963+/-0.305 χ^2/NDF: 793899.0/25

All: 1645.169+/-0.212 χ^2/NDF: 1442443.5/53

- sign 1638.797+/-0.295 χ^2/NDF: 647582.2/27


asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
Right In: 1620.038+/-2320.027 χ²/NDF: 14.3/15
Left Out: -2313.462+/-2775.105 χ²/NDF:11.1/9
Right Out: 385.948+/-2060.863 χ²/NDF: 16.0/17
Left In: 1580.851+/-2636.982 χ²/NDF:4.4/9
+ sign 1.833+/-1779.945 χ²/NDF: 26.5/25
All: 458.760+/-1199.609 χ²/NDF: 47.1/53
- sign 839.034+/-1623.795 χ²/NDF: 20.5/27



Right In: 6111.023+/-1.641 χ^2/NDF: 471663.6/15

Left Out: 7616.123+/-1.962 χ^2/NDF:479058.1/9

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

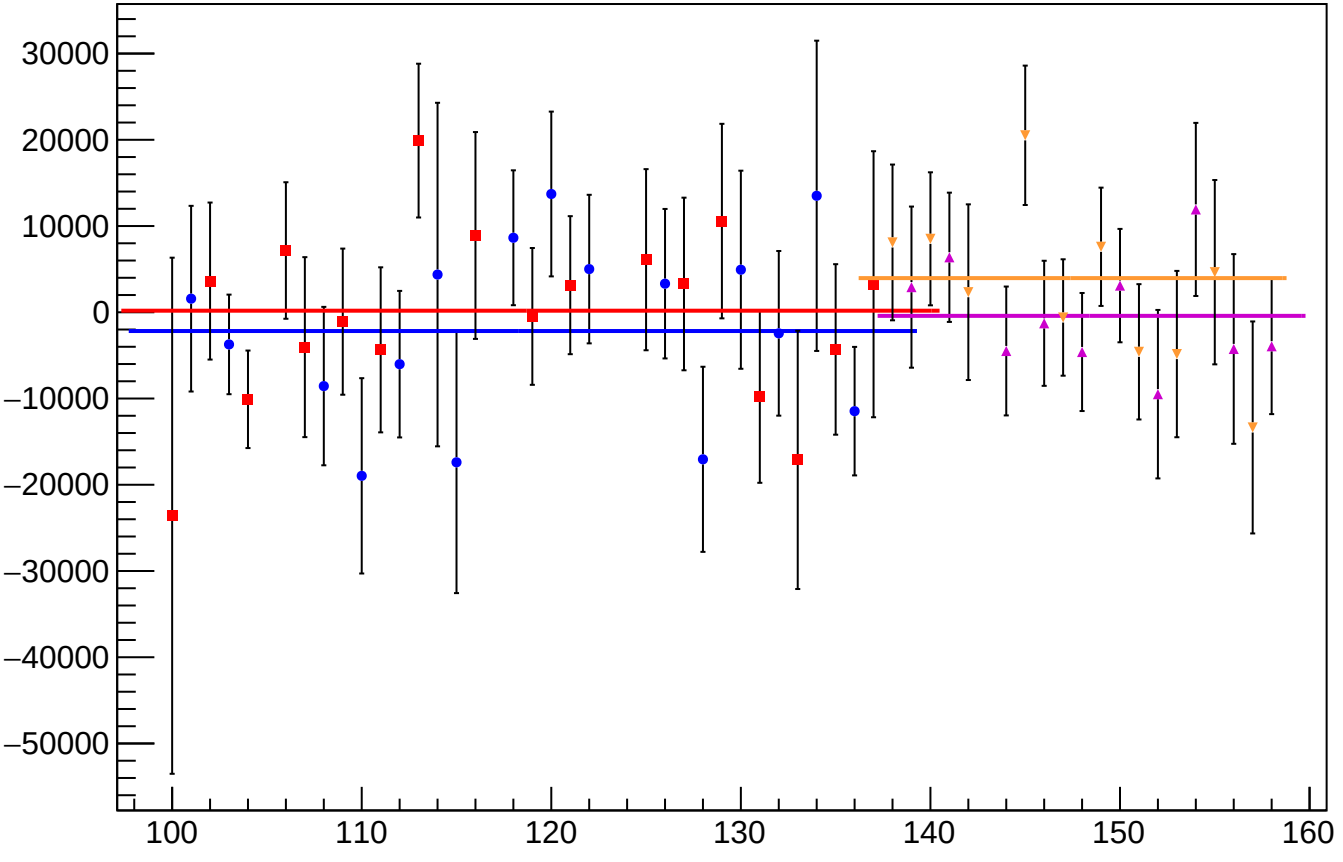
Left In: 7672.549+/-1.865 χ^2/NDF:417713.7/9

+ sign 6730.207+/-1.259 χ^2/NDF: 1297002.9/25

All: 6478.667+/-0.848 χ^2/NDF: 3521664.1/53

- sign 6269.325+/-1.148 χ^2/NDF: 2151477.4/27

asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -2174.048+/-2347.664 χ^2/NDF: 14.6/15

Left Out: 3961.471+/-2676.317 χ^2/NDF:9.5/9

Right Out: 183.559+/-2228.883 χ^2/NDF: 14.7/17

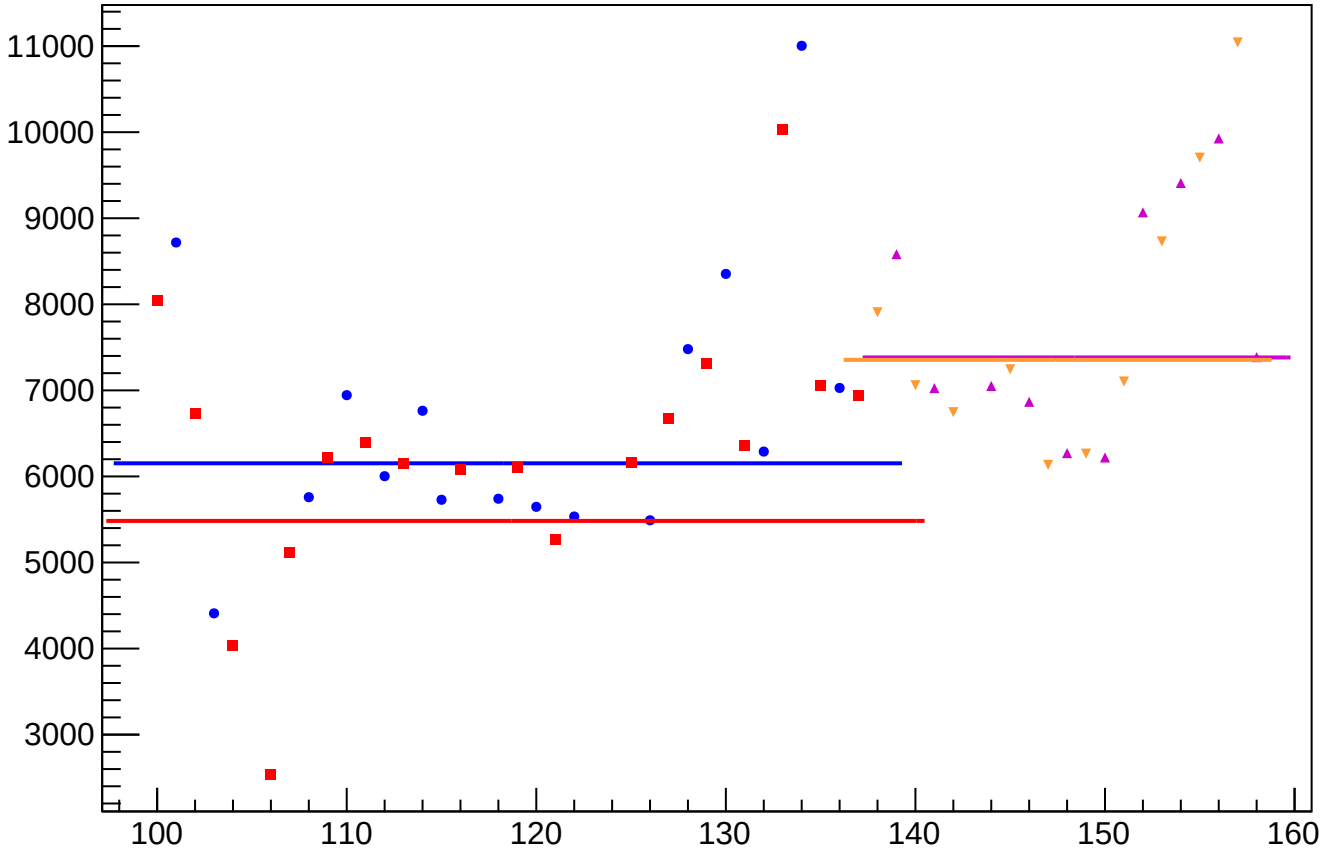
Left In: -414.567+/-2535.844 χ^2/NDF:4.6/9

+ sign 494.056+/-1764.872 χ^2/NDF: 27.1/25

All: 193.401+/-1214.599 χ^2/NDF: 46.5/53

- sign -77.130+/-1674.123 χ^2/NDF: 19.3/27

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 6152.690+/-1.660 χ^2/NDF: 624026.7/15

Left Out: 7354.599+/-1.892 χ^2/NDF:453320.4/9

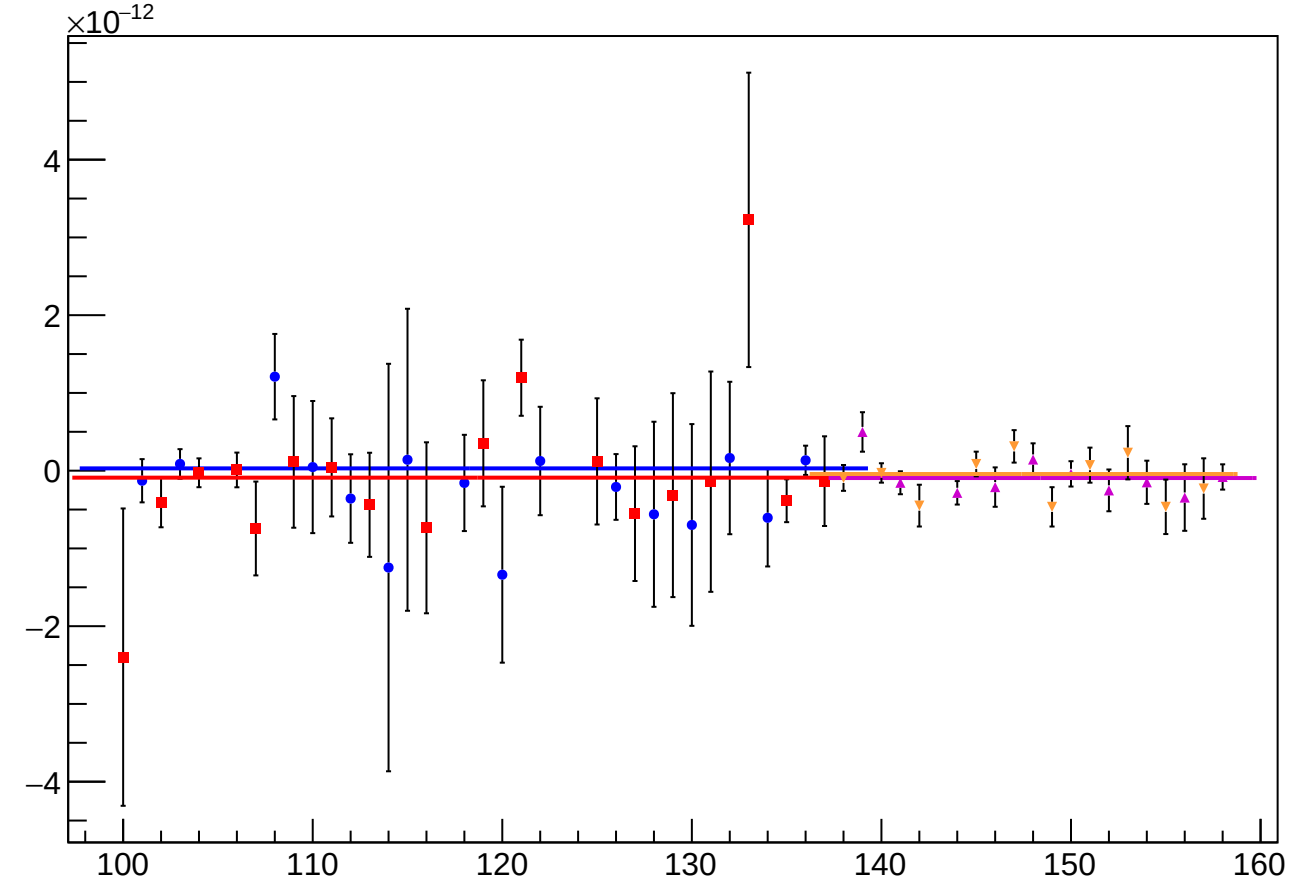
Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

Left In: 7382.387+/-1.793 χ^2/NDF:415076.7/9

+ sign 6675.351+/-1.248 χ^2/NDF: 1305305.0/25

All: 6461.537+/-0.849 χ^2/NDF: 3576636.0/53

- sign 6277.044+/-1.159 χ^2/NDF: 2216647.2/27



Right In: 0.000+/-0.000 χ^2/NDF: 9.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.3/9

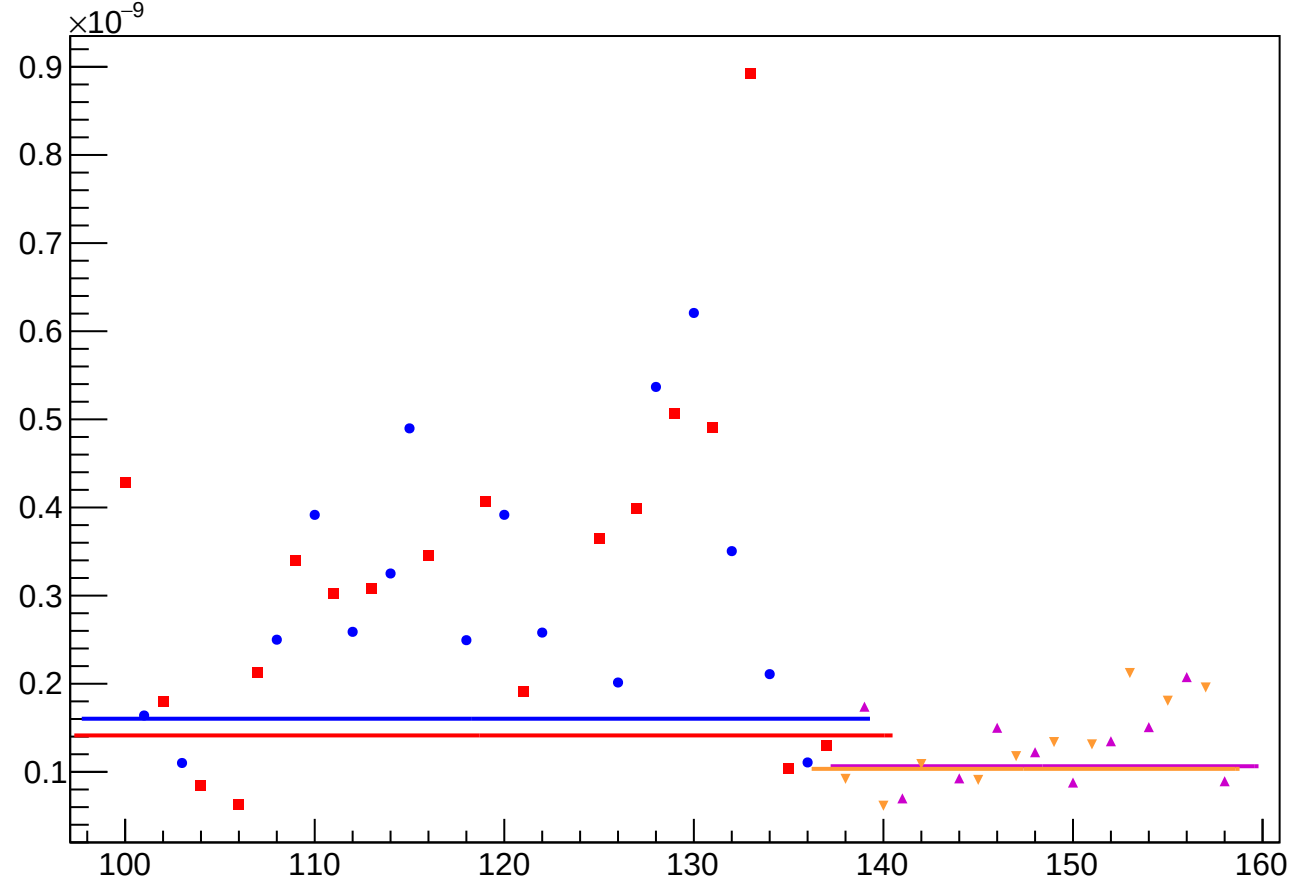
Right Out: -0.000+/-0.000 χ^2/NDF: 16.5/17

Left In: -0.000+/-0.000 χ^2/NDF:9.6/9

+ sign -0.000+/-0.000 χ^2/NDF: 21.2/25

All: -0.000+/-0.000 χ^2/NDF: 48.1/53

- sign -0.000+/-0.000 χ^2/NDF: 26.0/27



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:727795.9/9

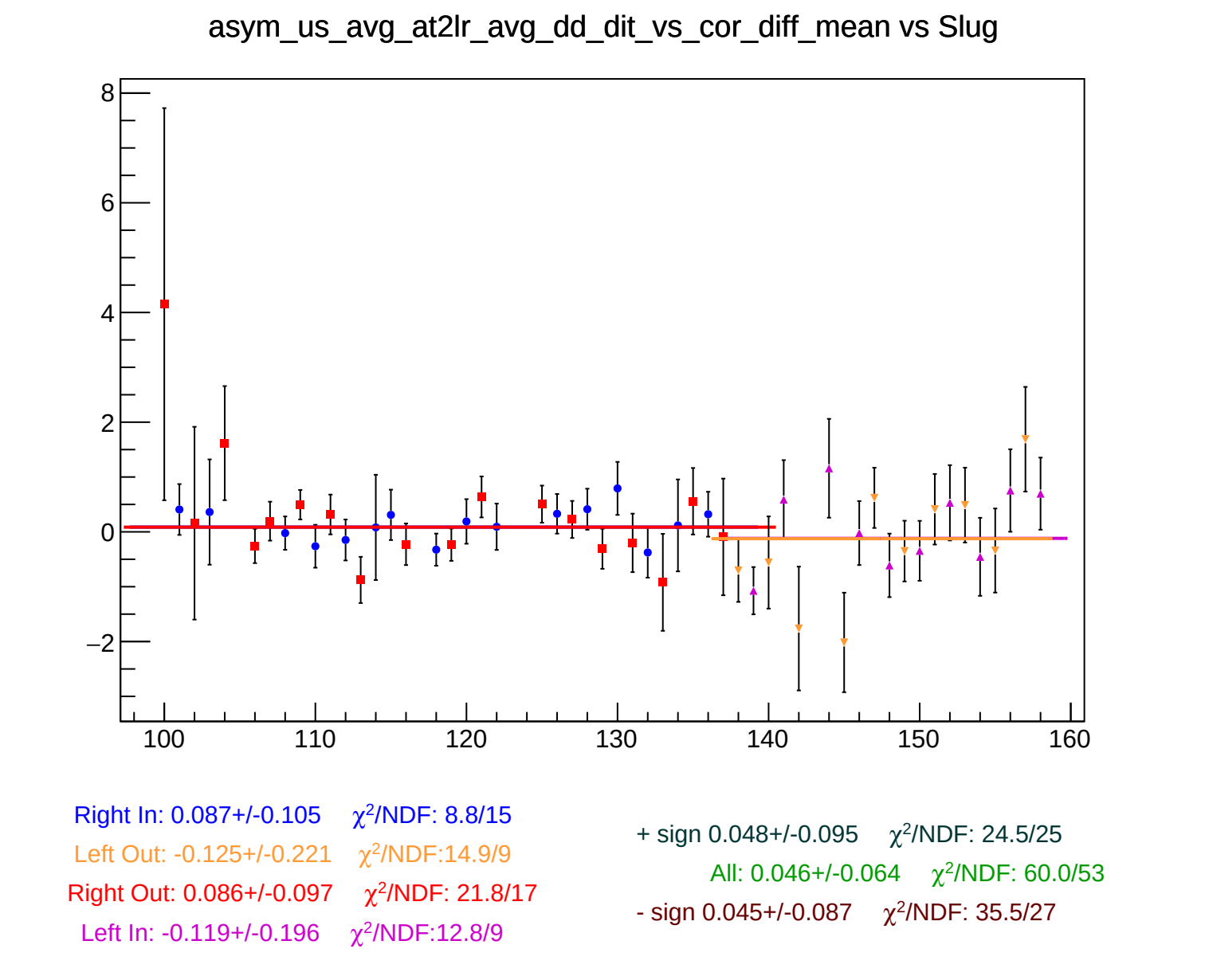
Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

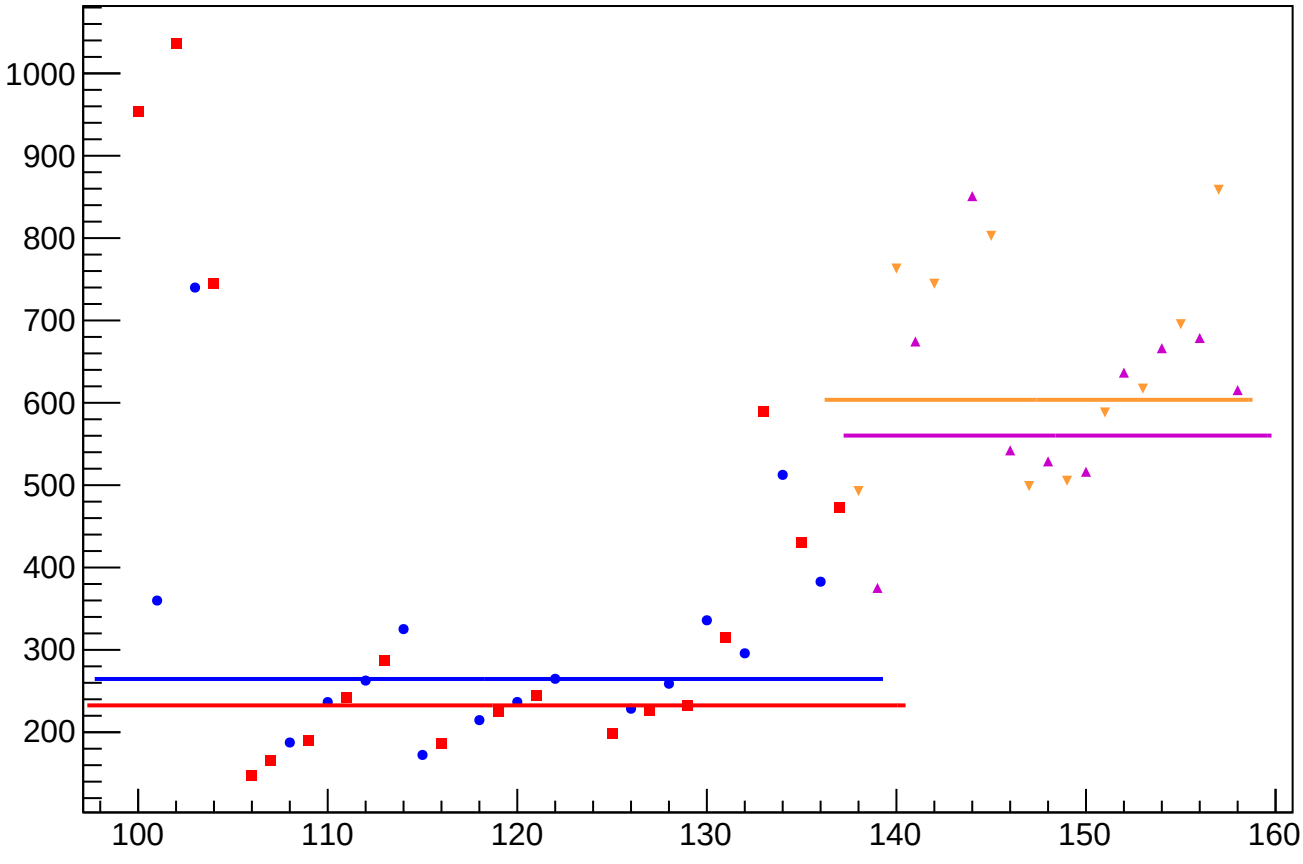
Left In: 0.000+/-0.000 χ^2/NDF:583977.4/9

+ sign 0.000+/-0.000 χ^2/NDF: 2488795.3/25

All: 0.000+/-0.000 χ^2/NDF: 5411527.3/53

- sign 0.000+/-0.000 χ^2/NDF: 2918503.7/27


asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug
8
6
4
2
0
−2
100
110
120
130
140
150
160
Right In: 0.087+/-0.105 χ²/NDF: 8.8/15
Left Out: -0.125+/-0.221 χ²/NDF:14.9/9
Right Out: 0.086+/-0.097 χ²/NDF: 21.8/17
Left In: -0.119+/-0.196 χ²/NDF:12.8/9
+ sign 0.048+/-0.095 χ²/NDF: 24.5/25
All: 0.046+/-0.064 χ²/NDF: 60.0/53
- sign 0.045+/-0.087 χ²/NDF: 35.5/27



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 603.654+/-0.157 χ^2/NDF:583639.4/9

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

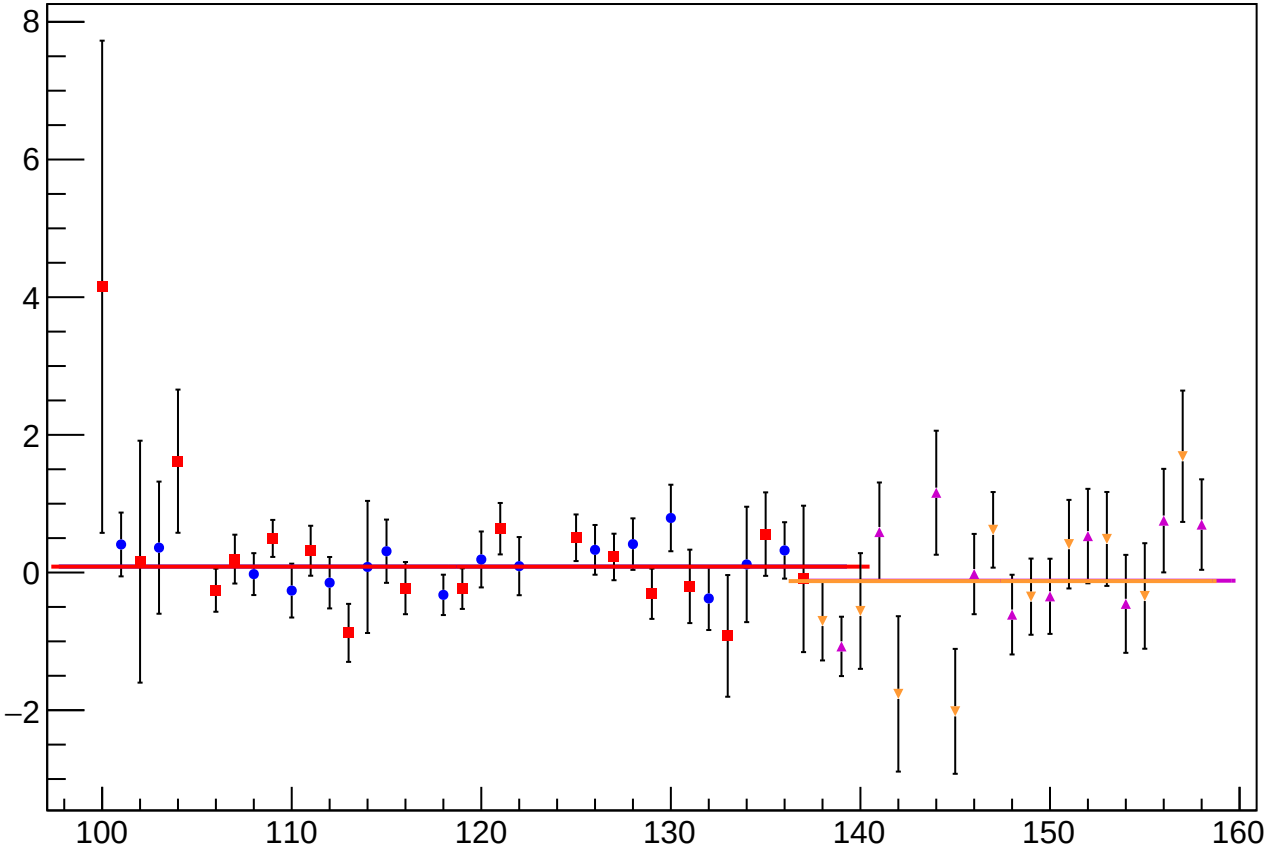
Left In: 560.226+/-0.139 χ^2/NDF:780342.7/9

+ sign 327.007+/-0.067 χ^2/NDF: 5695480.4/25

All: 310.919+/-0.045 χ^2/NDF: 13092570.9/53

- sign 297.346+/-0.062 χ^2/NDF: 7291178.8/27

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.125+/-0.221 χ^2/NDF:14.9/9

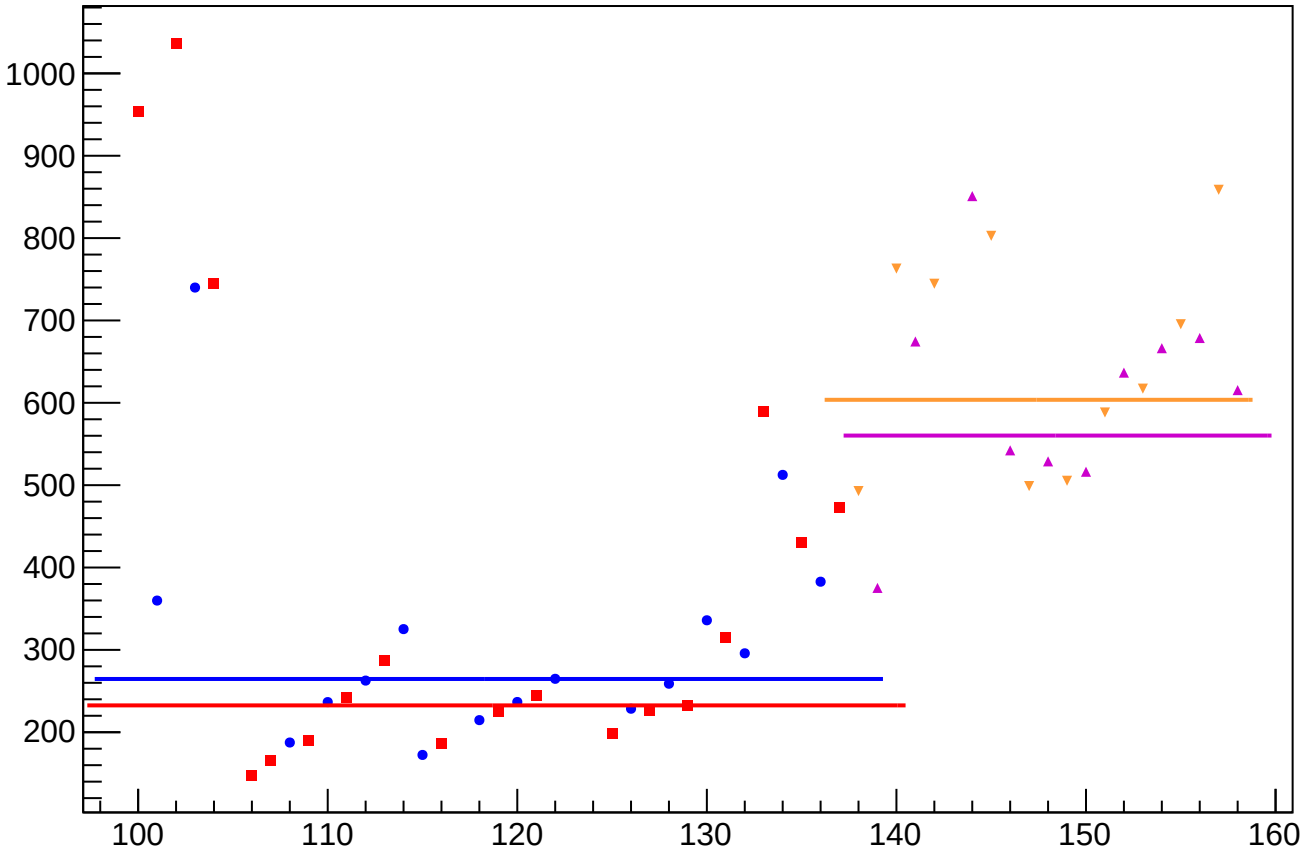
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.119+/-0.196 χ^2/NDF:12.8/9

+ sign 0.048+/-0.095 χ^2/NDF: 24.5/25

All: 0.046+/-0.064 χ^2/NDF: 60.0/53

- sign 0.045+/-0.087 χ^2/NDF: 35.5/27



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 603.654+/-0.157 χ^2/NDF:583639.4/9

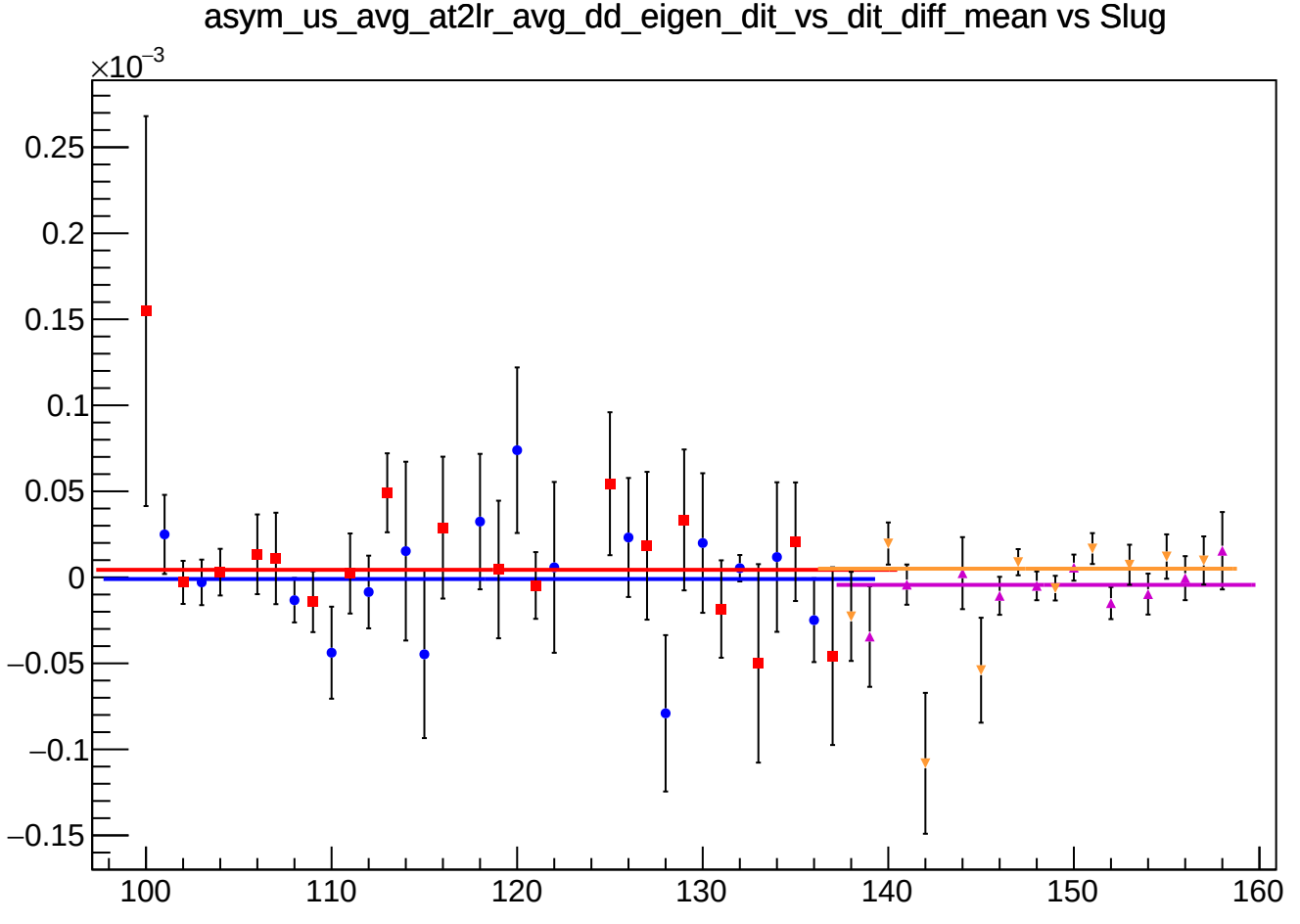
Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 560.226+/-0.139 χ^2/NDF:780342.7/9

+ sign 327.007+/-0.067 χ^2/NDF: 5695480.4/25

All: 310.919+/-0.045 χ^2/NDF: 13092570.9/53

- sign 297.346+/-0.062 χ^2/NDF: 7291178.8/27



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/9

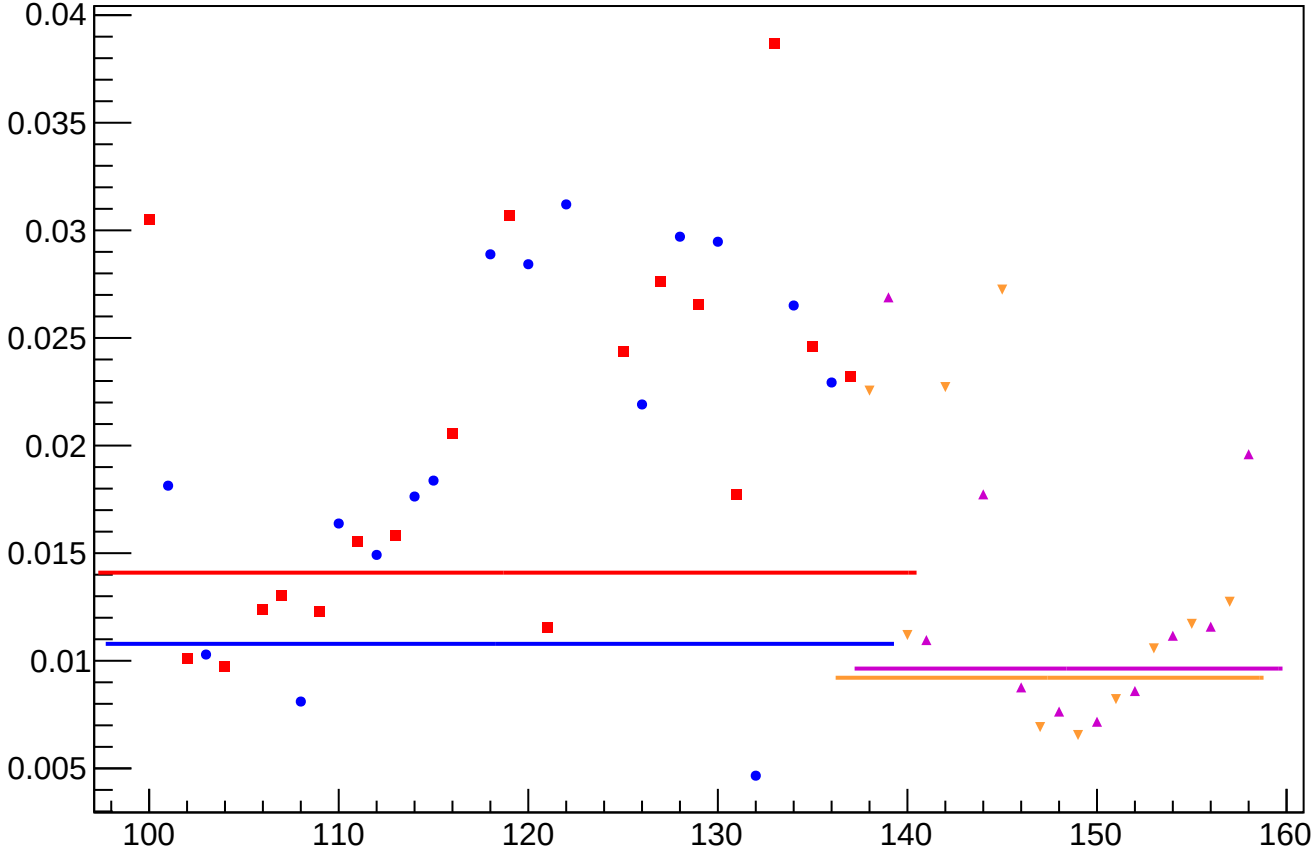
Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:5.6/9

+ sign 0.000+/-0.000 χ^2/NDF: 34.2/25

All: 0.000+/-0.000 χ^2/NDF: 55.4/53

- sign -0.000+/-0.000 χ^2/NDF: 19.9/27



Right In: 0.011+/-0.000 χ^2/NDF: 4580054.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:2211374.6/9

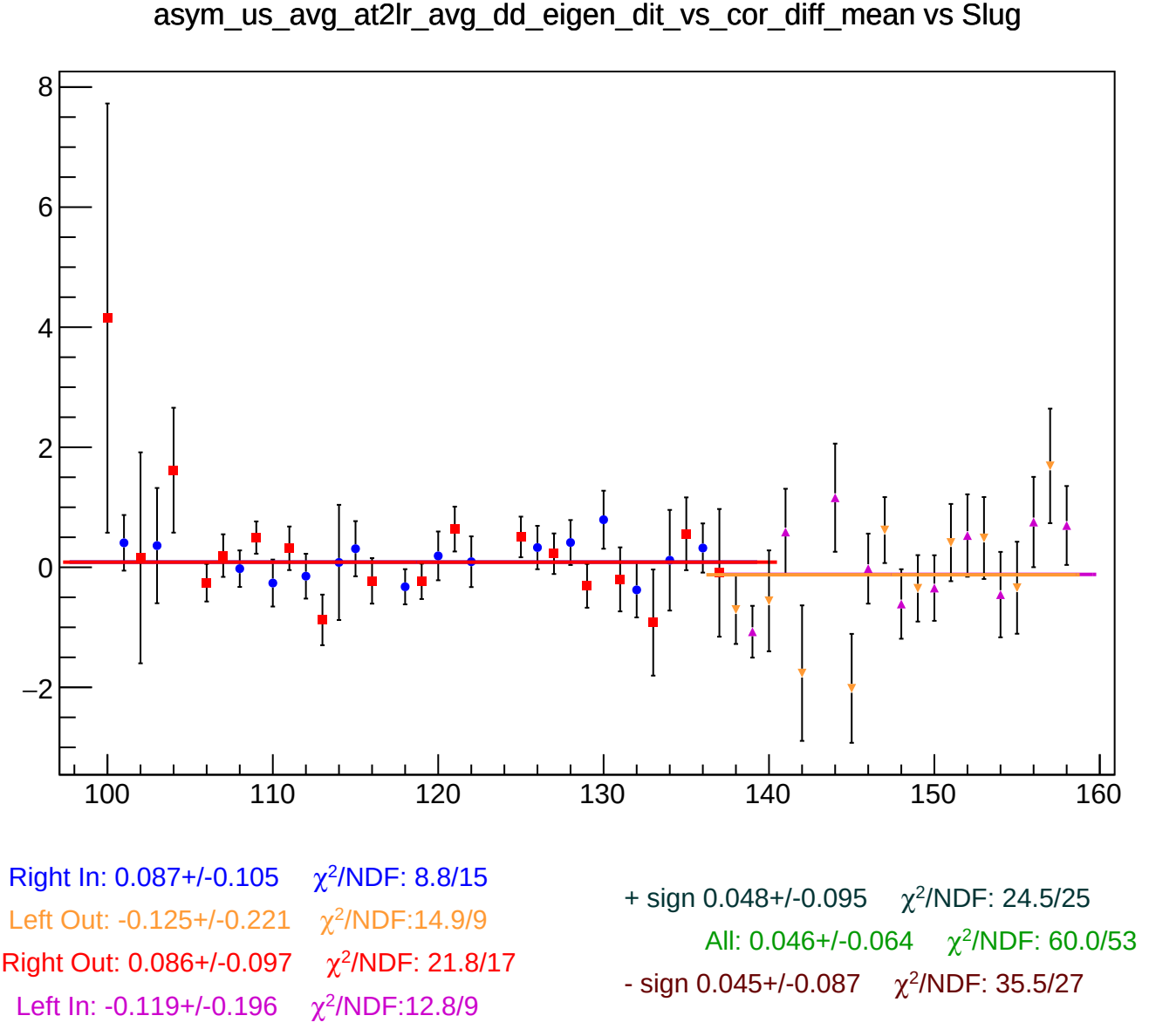
Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

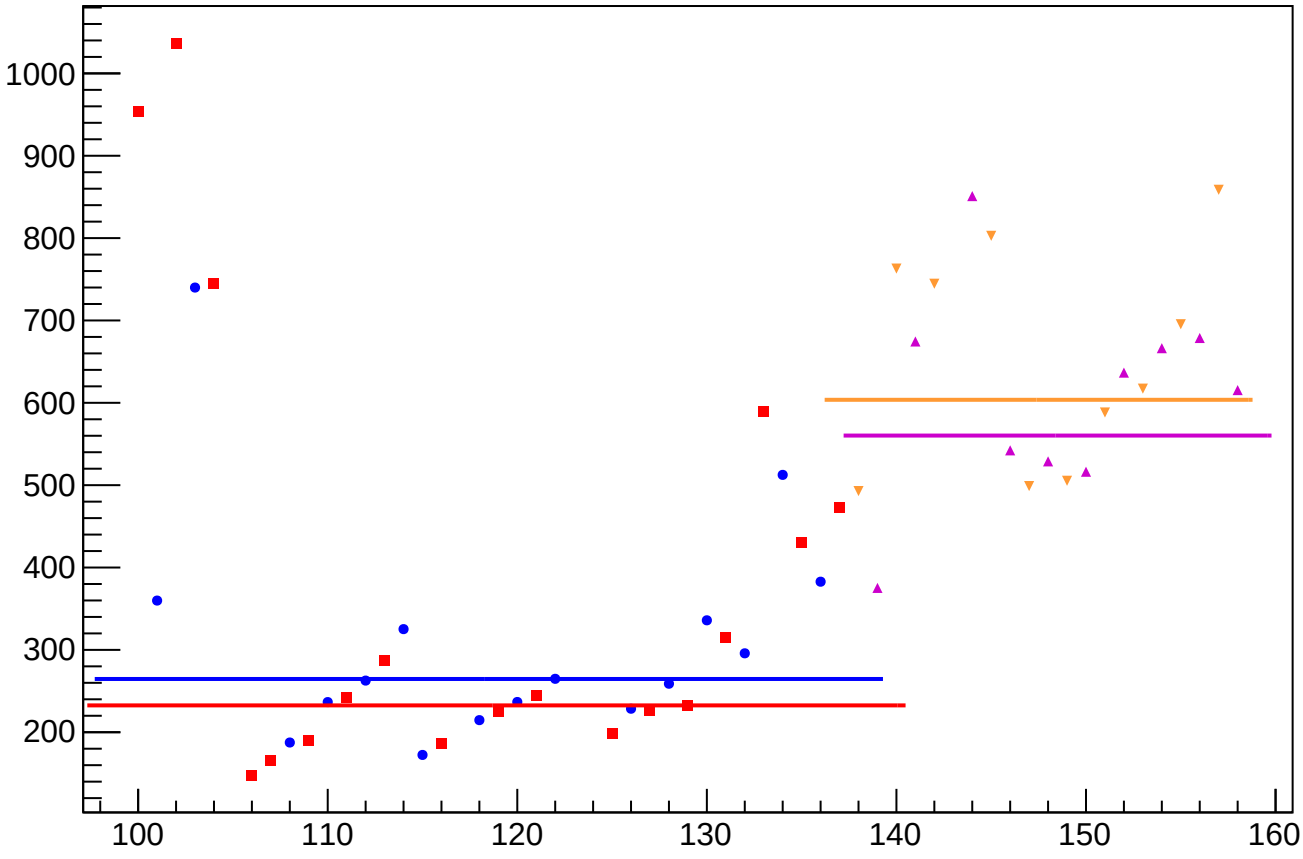
Left In: 0.010+/-0.000 χ^2/NDF:1855366.7/9

+ sign 0.010+/-0.000 χ^2/NDF: 6923604.9/25

All: 0.010+/-0.000 χ^2/NDF: 11879422.1/53

- sign 0.011+/-0.000 χ^2/NDF: 4808457.5/27


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
8
6
4
2
0
−2
100
110
120
130
140
150
160
Right In: 0.087+/-0.105 χ²/NDF: 8.8/15
Left Out: -0.125+/-0.221 χ²/NDF:14.9/9
Right Out: 0.086+/-0.097 χ²/NDF: 21.8/17
Left In: -0.119+/-0.196 χ²/NDF:12.8/9
+ sign 0.048+/-0.095 χ²/NDF: 24.5/25
All: 0.046+/-0.064 χ²/NDF: 60.0/53
- sign 0.045+/-0.087 χ²/NDF: 35.5/27



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 603.660+/-0.157 χ^2/NDF:583644.8/9

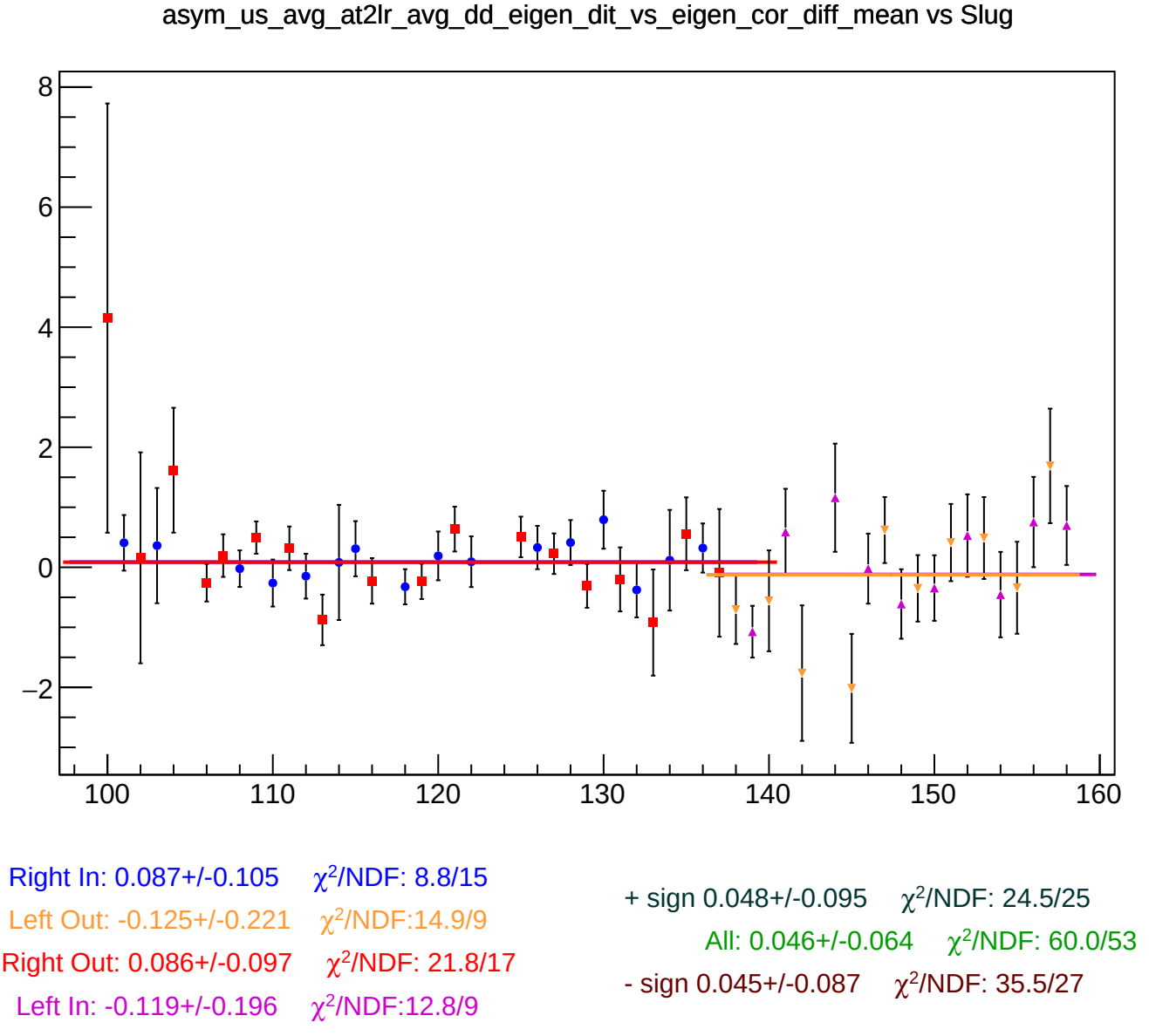
Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

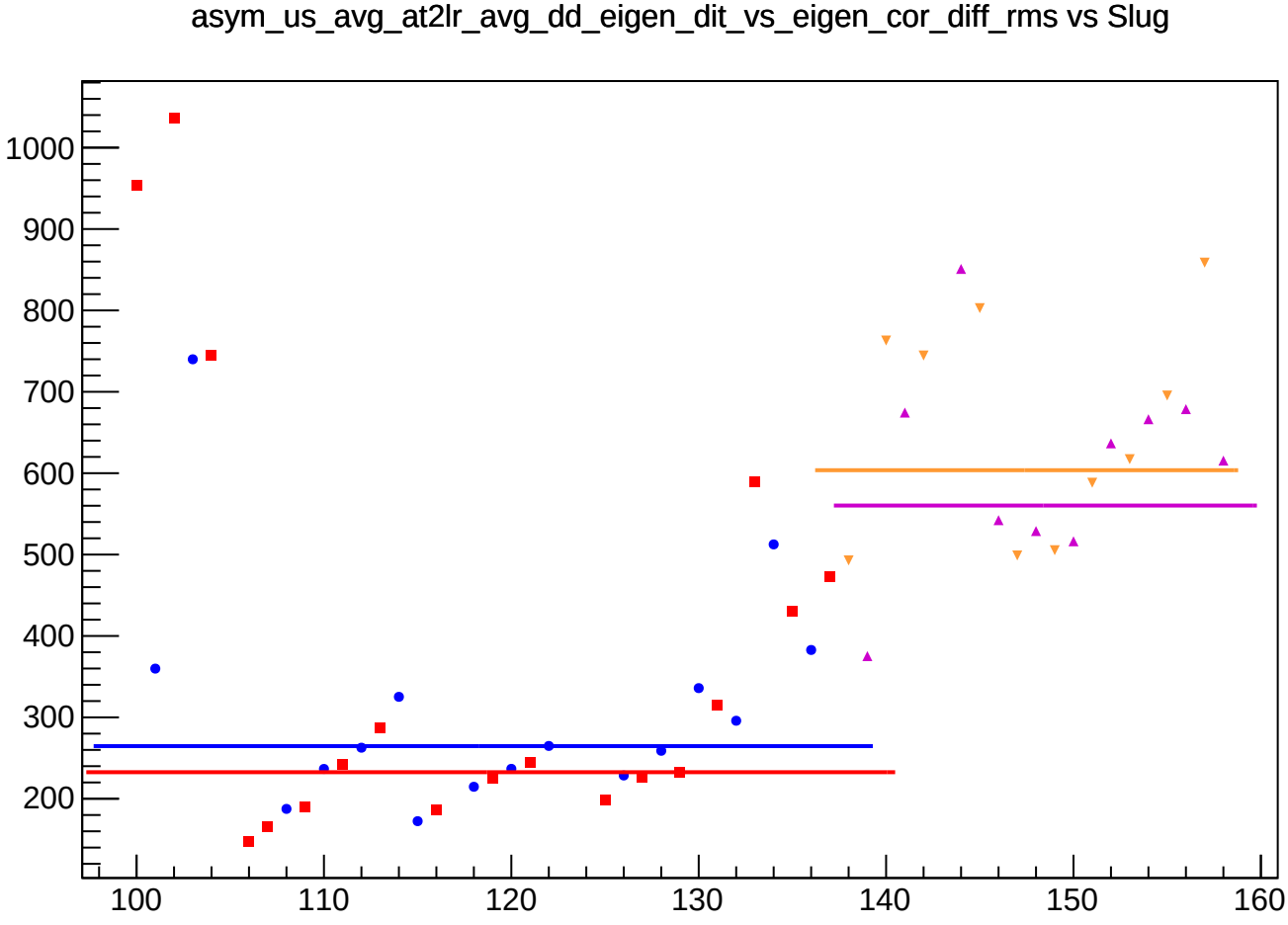
Left In: 560.233+/-0.139 χ^2/NDF:780314.1/9

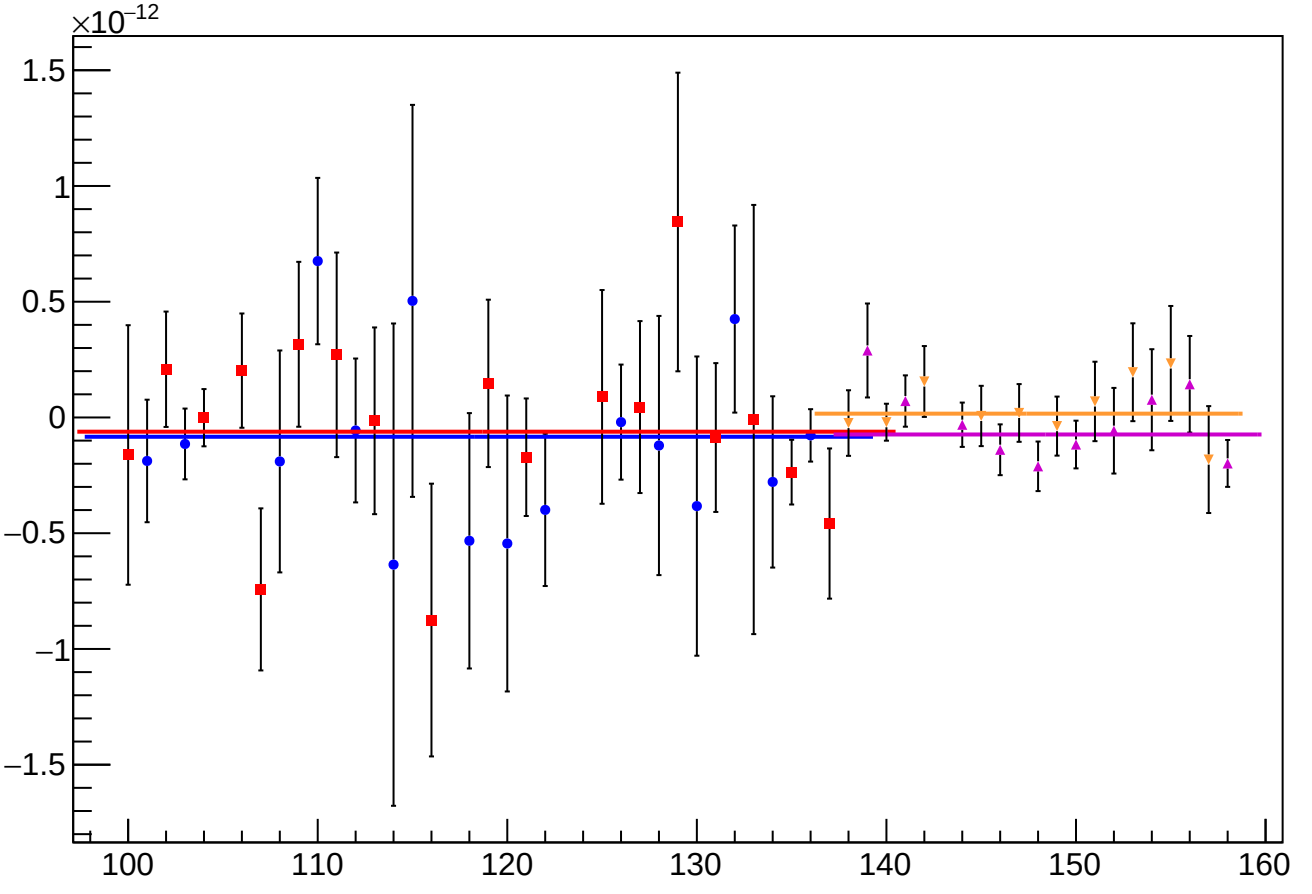
+ sign 327.006+/-0.067 χ^2/NDF: 5695536.7/25

All: 310.919+/-0.045 χ^2/NDF: 13092680.0/53

- sign 297.347+/-0.062 χ^2/NDF: 7291240.3/27


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
8
6
4
2
0
−2
100
110
120
130
140
150
160
Right In: 0.087+/-0.105 χ²/NDF: 8.8/15
Left Out: -0.125+/-0.221 χ²/NDF:14.9/9
Right Out: 0.086+/-0.097 χ²/NDF: 21.8/17
Left In: -0.119+/-0.196 χ²/NDF:12.8/9
+ sign 0.048+/-0.095 χ²/NDF: 24.5/25
All: 0.046+/-0.064 χ²/NDF: 60.0/53
- sign 0.045+/-0.087 χ²/NDF: 35.5/27


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1000
900
800
700
600
500
400
300
200
100
110
120
130
140
150
160
Right In: 264.667+/-0.074 χ²/NDF: 1283977.8/15
Left Out: 603.660+/-0.157 χ²/NDF:583644.8/9
Right Out: 232.596+/-0.069 χ²/NDF: 2032655.0/17
Left In: 560.233+/-0.139 χ²/NDF:780314.1/9
+ sign 327.006+/-0.067 χ²/NDF: 5695536.7/25
All: 310.919+/-0.045 χ²/NDF: 13092680.0/53
- sign 297.347+/-0.062 χ²/NDF: 7291240.3/27



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.6/9

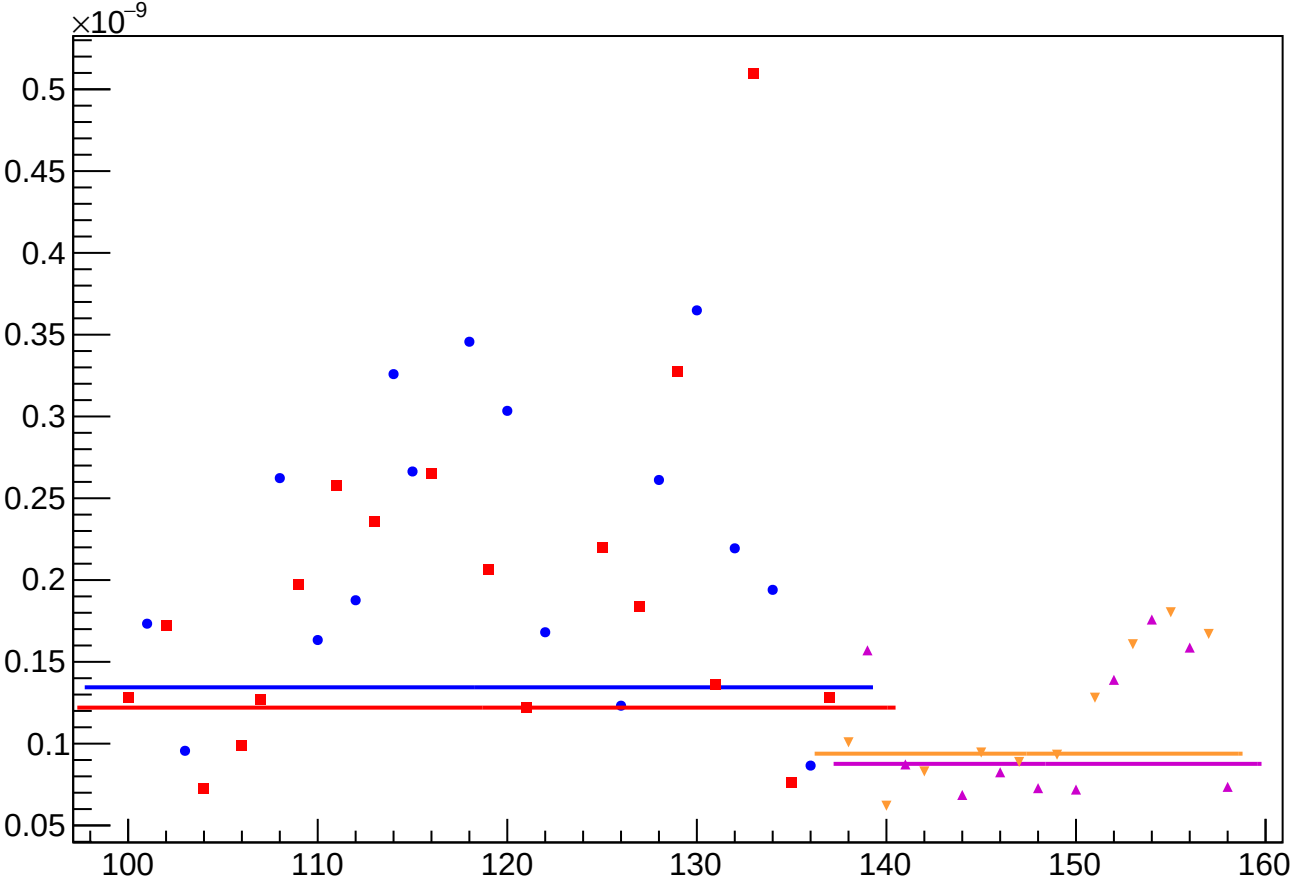
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: -0.000+/-0.000 χ^2/NDF:10.4/9

+ sign -0.000+/-0.000 χ^2/NDF: 14.8/25

All: -0.000+/-0.000 χ^2/NDF: 42.3/53

- sign -0.000+/-0.000 χ^2/NDF: 26.1/27



Right In: 0.000+/-0.000 χ^2/NDF: 1814968.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1059071.2/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2003381.5/17

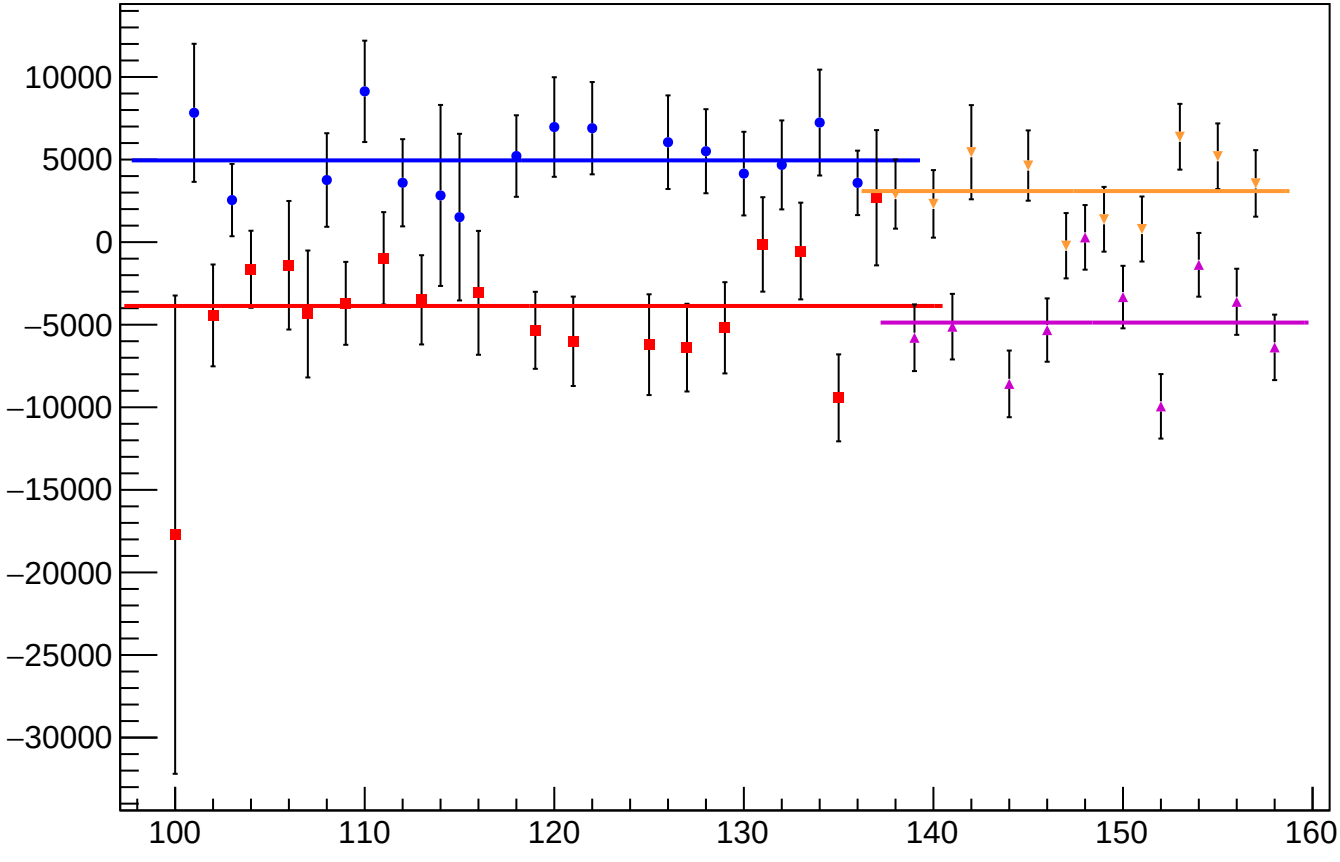
Left In: 0.000+/-0.000 χ^2/NDF:1153923.5/9

+ sign 0.000+/-0.000 χ^2/NDF: 3367955.6/25

All: 0.000+/-0.000 χ^2/NDF: 6998495.1/53

- sign 0.000+/-0.000 χ^2/NDF: 3571950.0/27

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3091.238+/-654.098 χ^2/NDF:10.2/9

Right Out: -3865.145+/-695.781 χ^2/NDF: 16.2/17

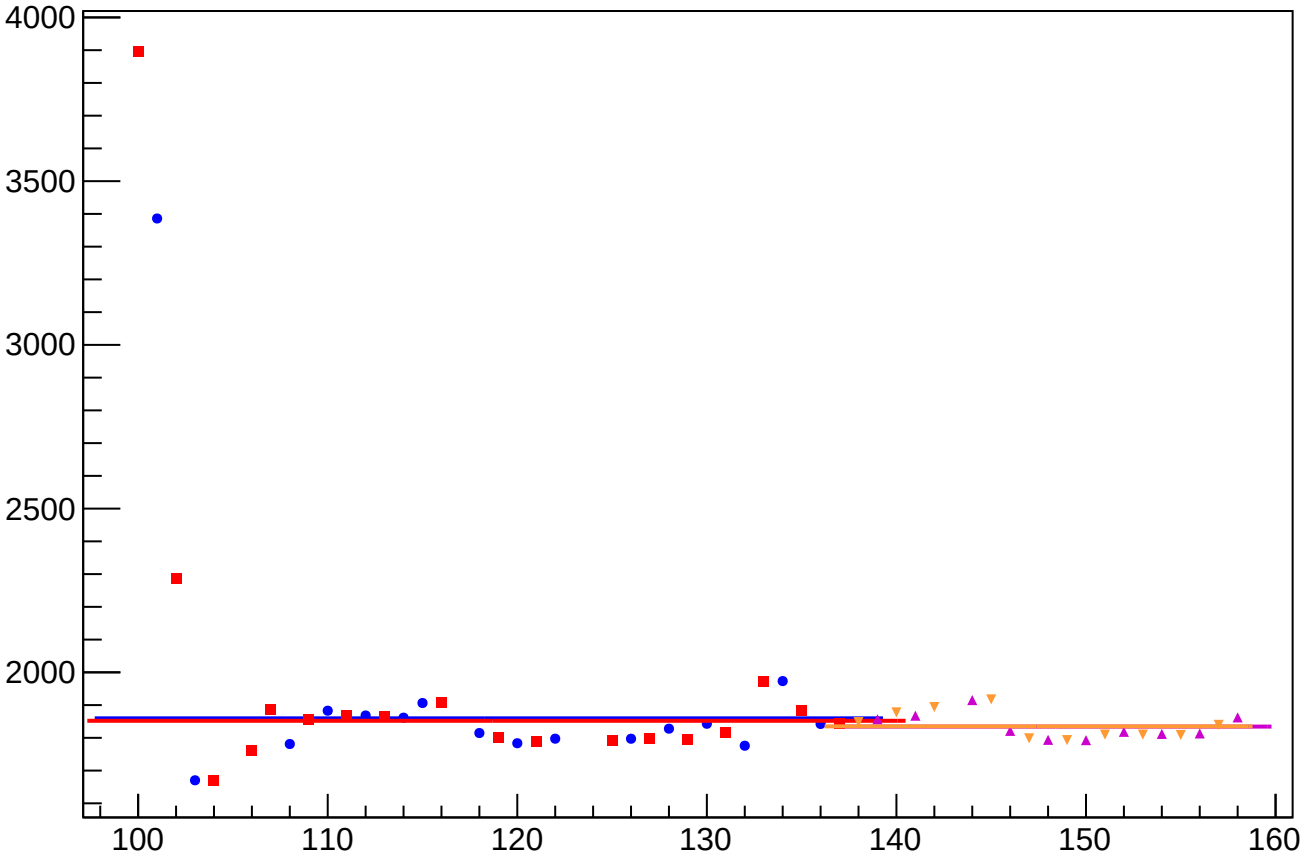
Left In: -4870.810+/-621.177 χ^2/NDF:22.3/9

+ sign 3959.238+/-477.582 χ^2/NDF: 20.8/25

All: -359.296+/-332.566 χ^2/NDF: 219.2/53

- sign -4424.764+/-463.378 χ^2/NDF: 39.6/27

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

Left Out: 1835.019+/-0.463 χ^2/NDF:7411.8/9

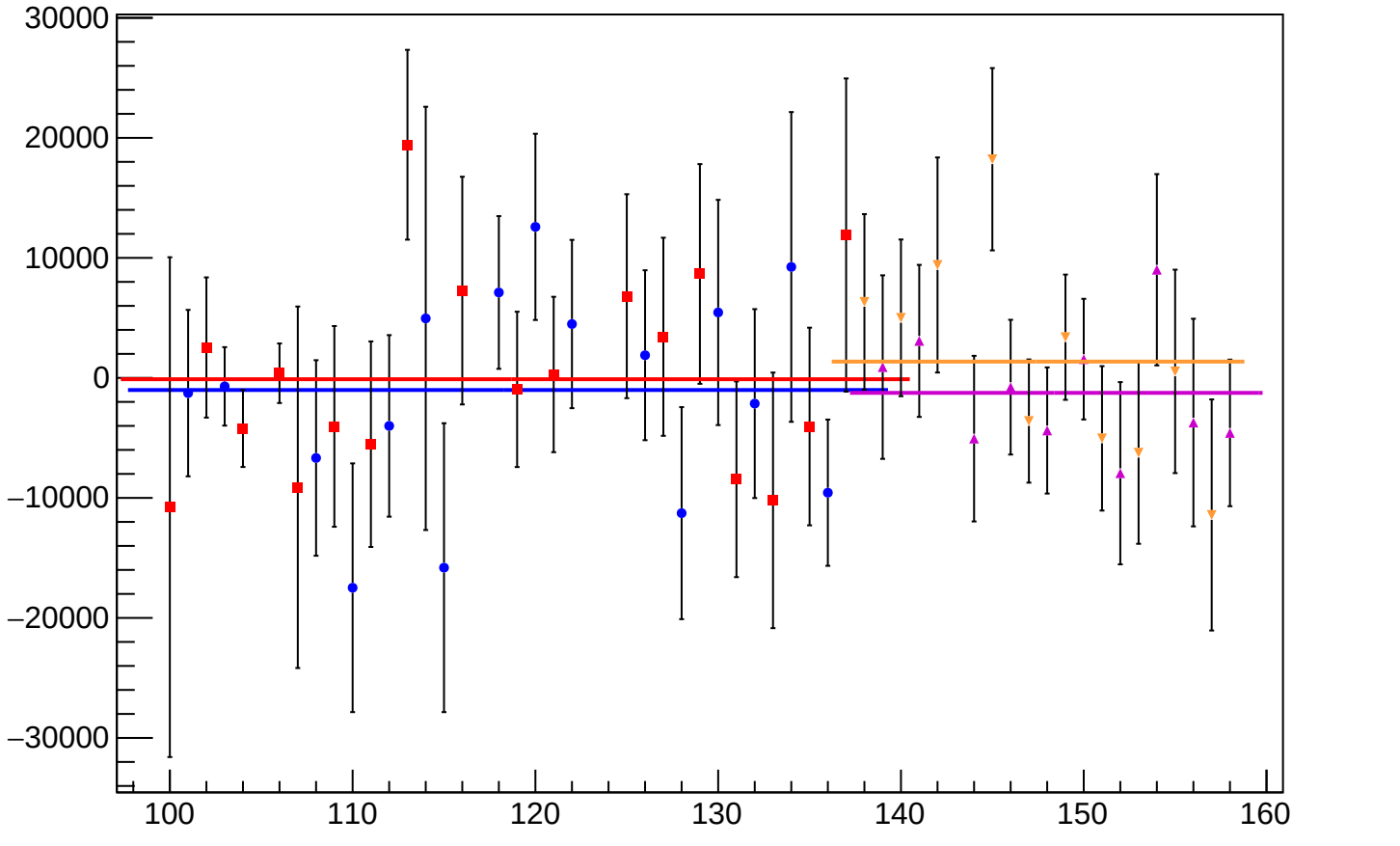
Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1834.337+/-0.439 χ^2/NDF:6950.0/9

+ sign 1846.454+/-0.338 χ^2/NDF: 301055.4/25

All: 1844.273+/-0.235 χ^2/NDF: 411023.7/53

- sign 1842.227+/-0.327 χ^2/NDF: 109887.5/27



Right In: -1010.288+/-1764.180 χ^2/NDF: 14.7/15

Left Out: 1357.657+/-2149.965 χ^2/NDF:11.5/9

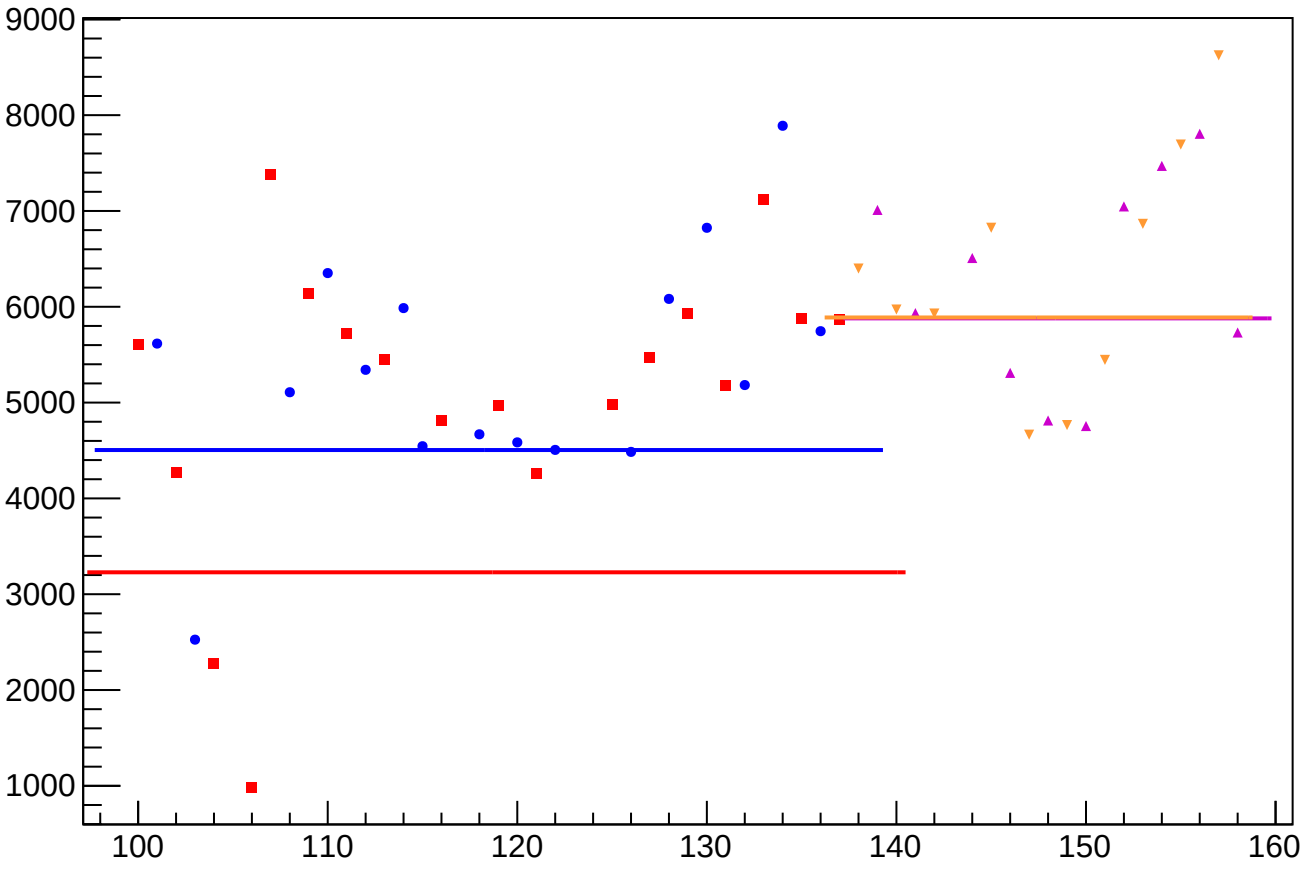
Right Out: -111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: -1247.503+/-2025.193 χ^2/NDF:4.3/9

+ sign -57.459+/-1363.808 χ^2/NDF: 27.0/25

All: -307.441+/-889.210 χ^2/NDF: 46.2/53

- sign -492.294+/-1172.769 χ^2/NDF: 19.2/27



Right In: 4504.788+/-1.247 χ^2/NDF: 1321104.9/15

Left Out: 5888.267+/-1.520 χ^2/NDF:542966.2/9

Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

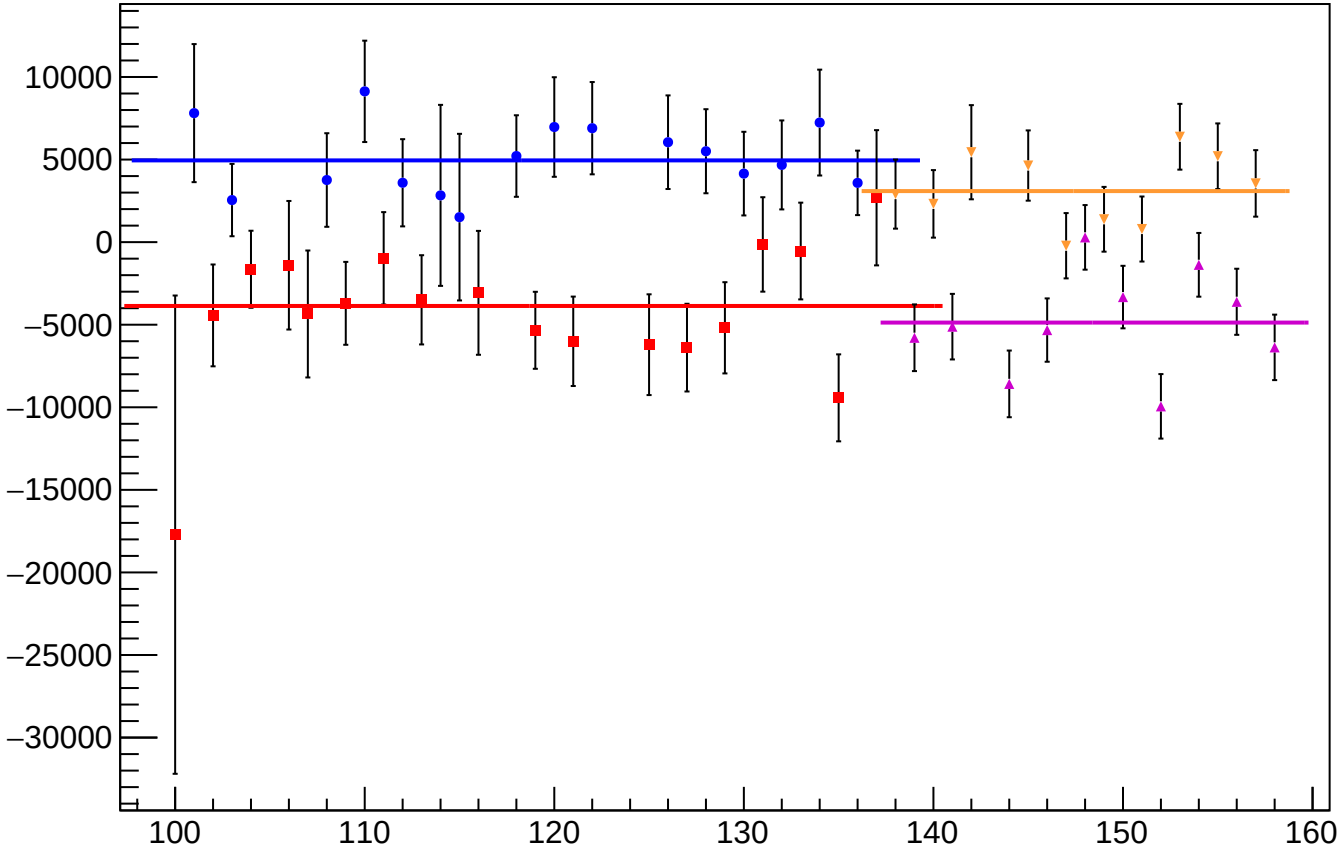
Left In: 5878.895+/-1.432 χ^2/NDF:490935.6/9

+ sign 5061.481+/-0.964 χ^2/NDF: 2358988.4/25

All: 4518.721+/-0.629 χ^2/NDF: 9633893.0/53

- sign 4117.367+/-0.829 χ^2/NDF: 6723898.1/27

cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3091.159+/-654.098 χ^2/NDF:10.2/9

Right Out: -3864.930+/-695.781 χ^2/NDF: 16.2/17

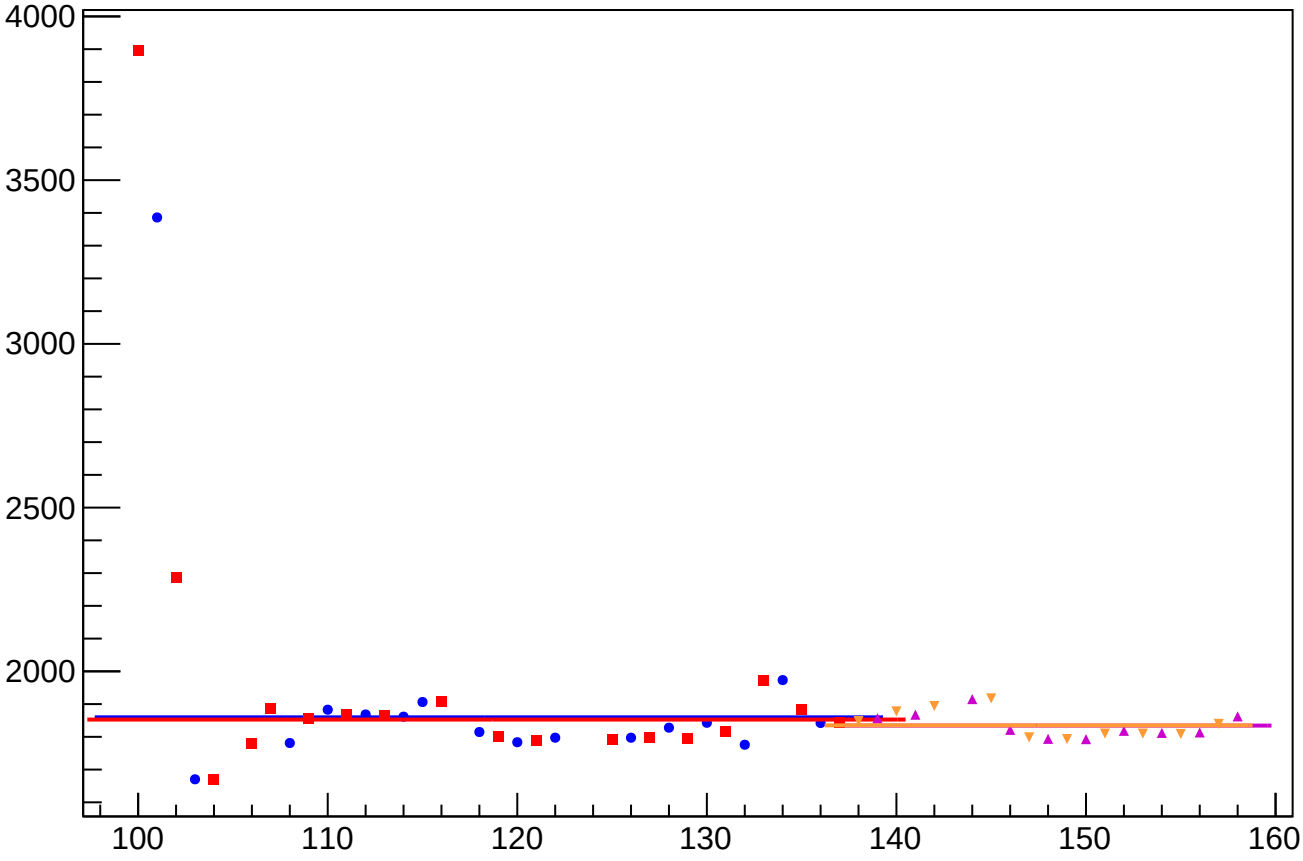
Left In: -4871.019+/-621.177 χ^2/NDF:22.3/9

+ sign 3958.970+/-477.582 χ^2/NDF: 20.8/25

All: -359.438+/-332.566 χ^2/NDF: 219.1/53

- sign -4424.785+/-463.378 χ^2/NDF: 39.6/27

cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1835.019+/-0.463 χ^2/NDF:7411.8/9

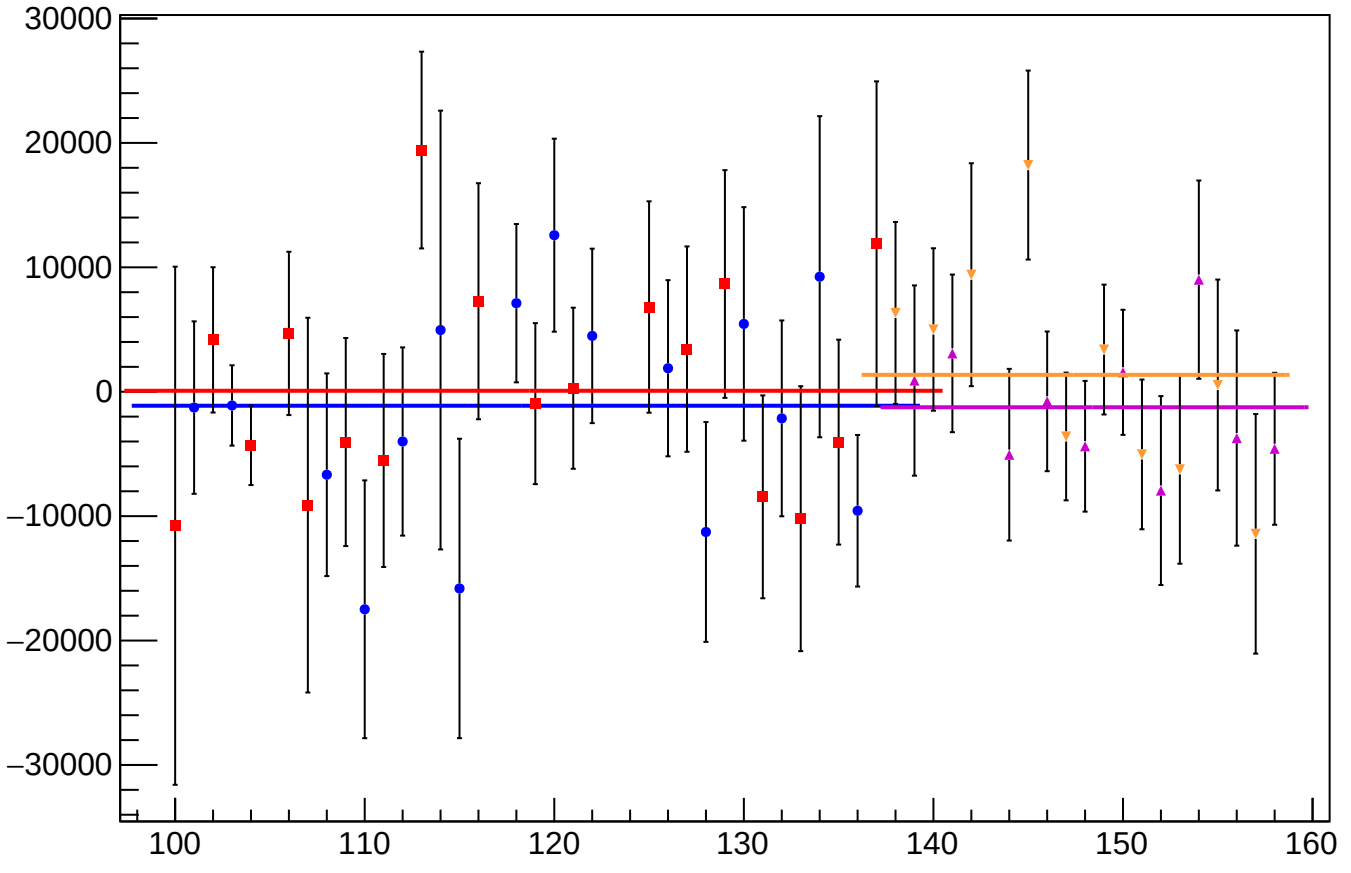
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1834.337+/-0.439 χ^2/NDF:6950.0/9

+ sign 1846.454+/-0.338 χ^2/NDF: 301057.3/25

All: 1844.434+/-0.235 χ^2/NDF: 410610.7/53

- sign 1842.538+/-0.327 χ^2/NDF: 109484.0/27



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: 1357.507+/-2149.963 χ^2/NDF:11.5/9

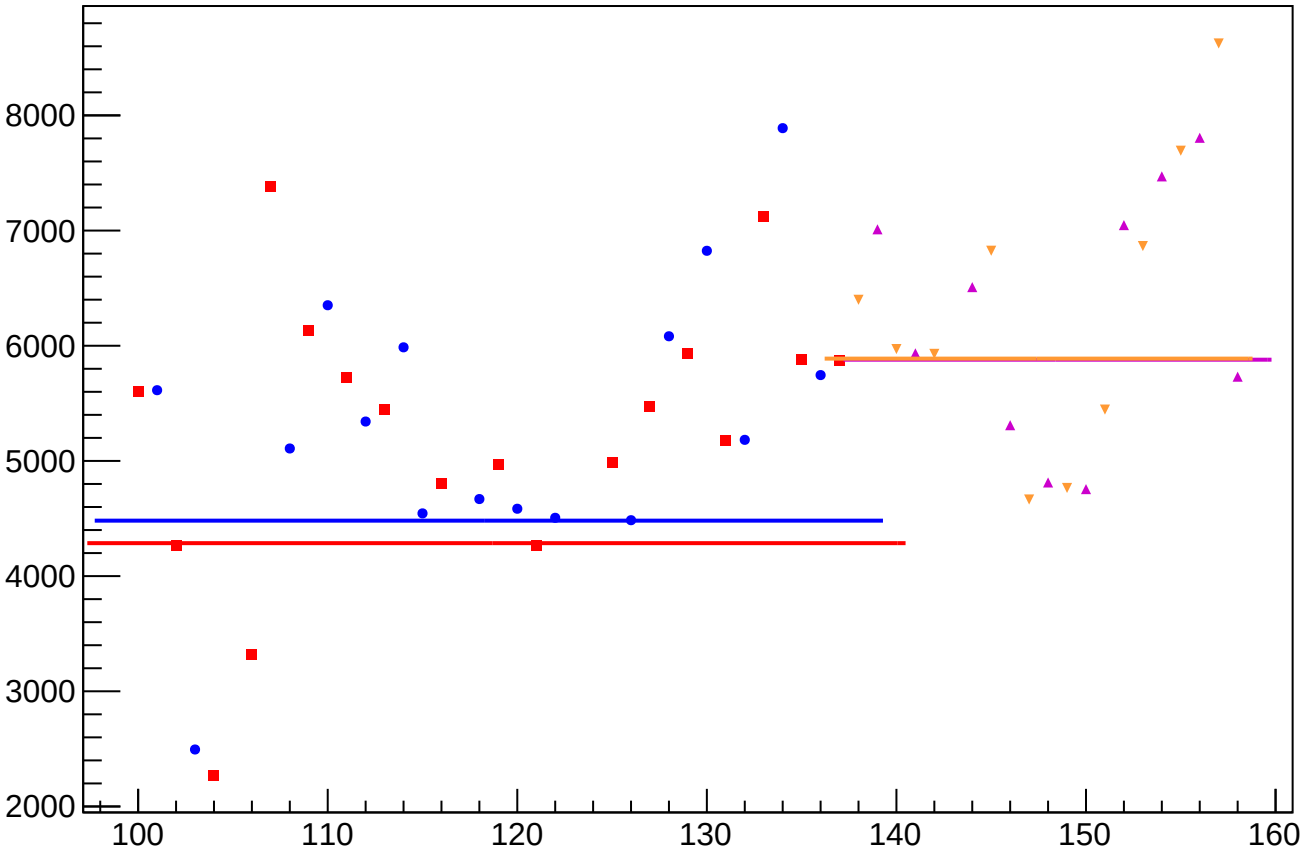
Right Out: 78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: -1247.692+/-2025.192 χ^2/NDF:4.3/9

+ sign -130.682+/-1360.888 χ^2/NDF: 27.0/25

All: -308.086+/-941.221 χ^2/NDF: 47.2/53

- sign -470.760+/-1303.163 χ^2/NDF: 20.1/27



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 5888.261+/-1.520 χ^2/NDF:542973.2/9

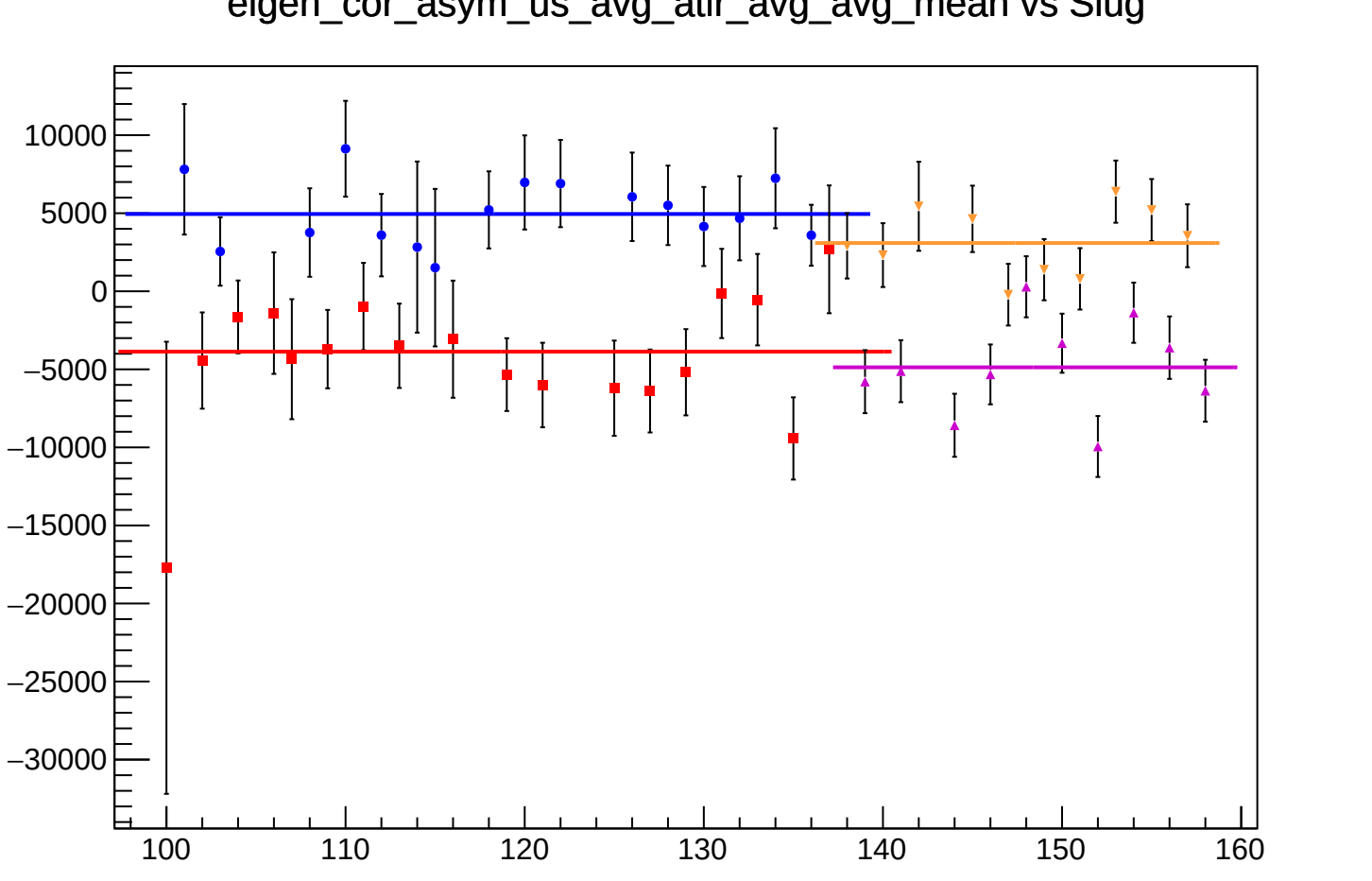
Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 5878.892+/-1.432 χ^2/NDF:490938.7/9

+ sign 5045.153+/-0.962 χ^2/NDF: 2418403.7/25

All: 4993.235+/-0.666 χ^2/NDF: 5189634.8/53

- sign 4945.629+/-0.921 χ^2/NDF: 2765651.3/27



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3091.159+/-654.098 χ^2/NDF:10.2/9

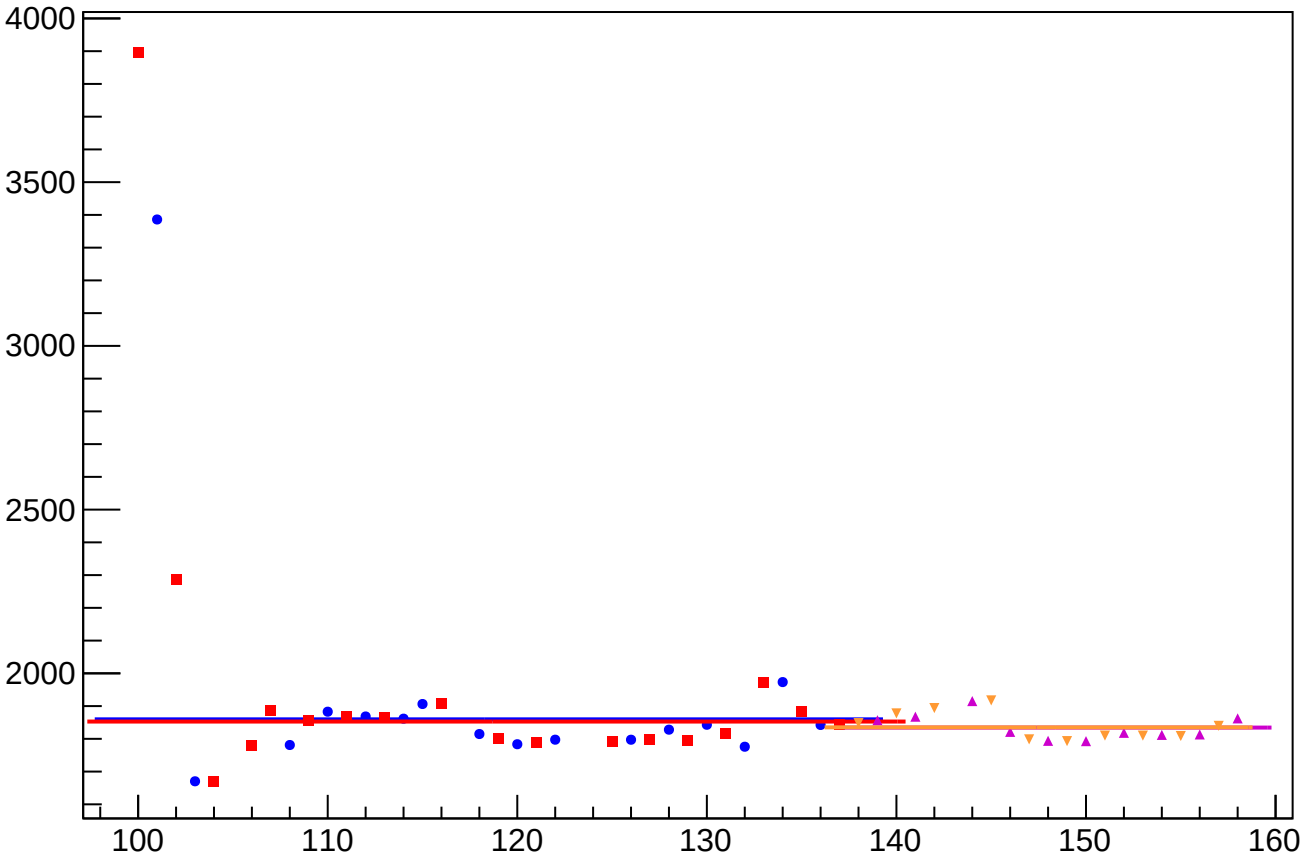
Right Out: -3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: -4871.019+/-621.177 χ^2/NDF:22.3/9

+ sign 3958.970+/-477.582 χ^2/NDF: 20.8/25

All: -359.438+/-332.566 χ^2/NDF: 219.1/53

- sign -4424.785+/-463.378 χ^2/NDF: 39.6/27



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1835.019+/-0.463 χ^2/NDF:7411.8/9

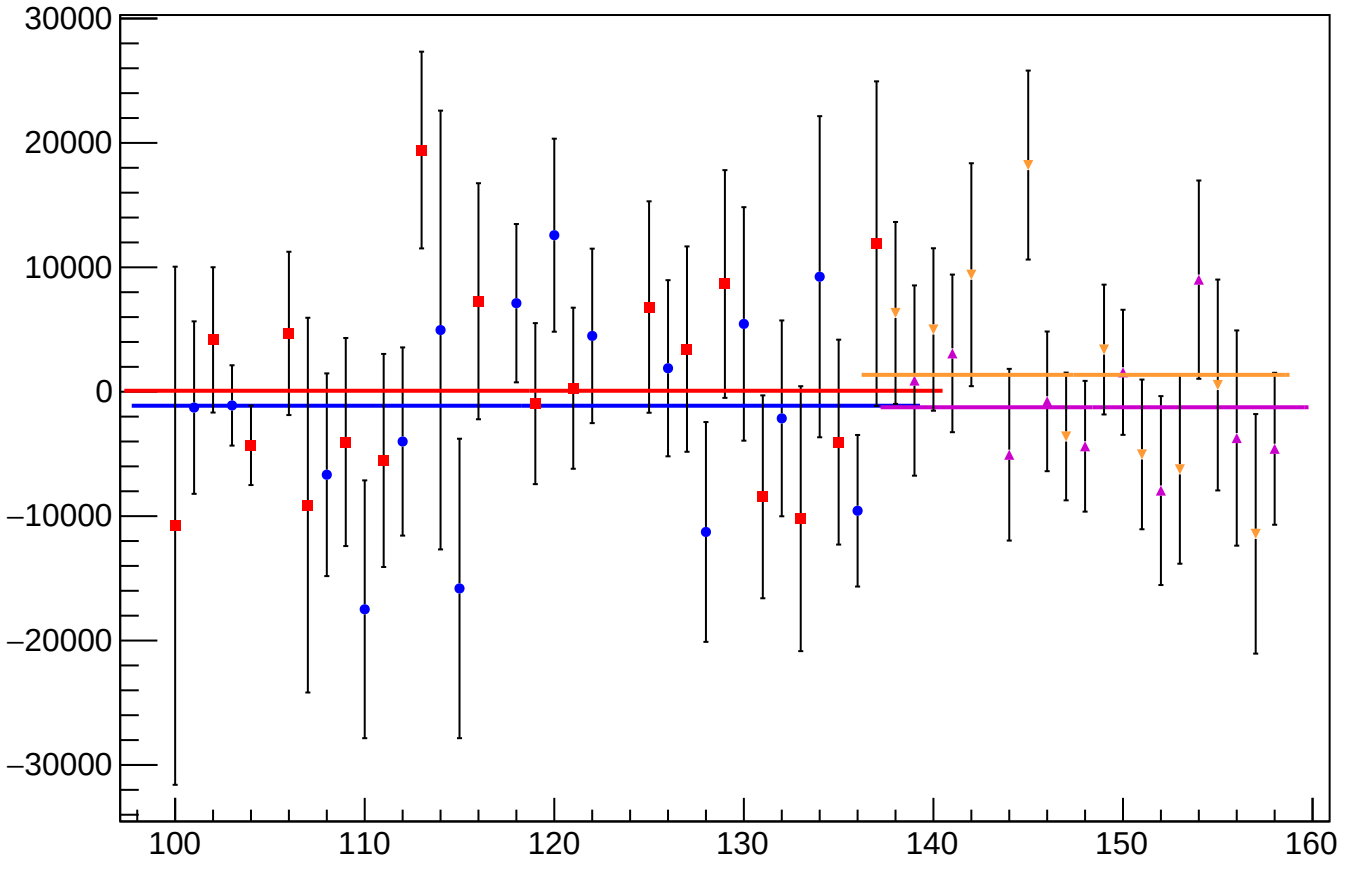
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1834.337+/-0.439 χ^2/NDF:6950.0/9

+ sign 1846.454+/-0.338 χ^2/NDF: 301057.3/25

All: 1844.434+/-0.235 χ^2/NDF: 410610.7/53

- sign 1842.538+/-0.327 χ^2/NDF: 109484.0/27



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: 1357.507+/-2149.963 χ^2/NDF:11.5/9

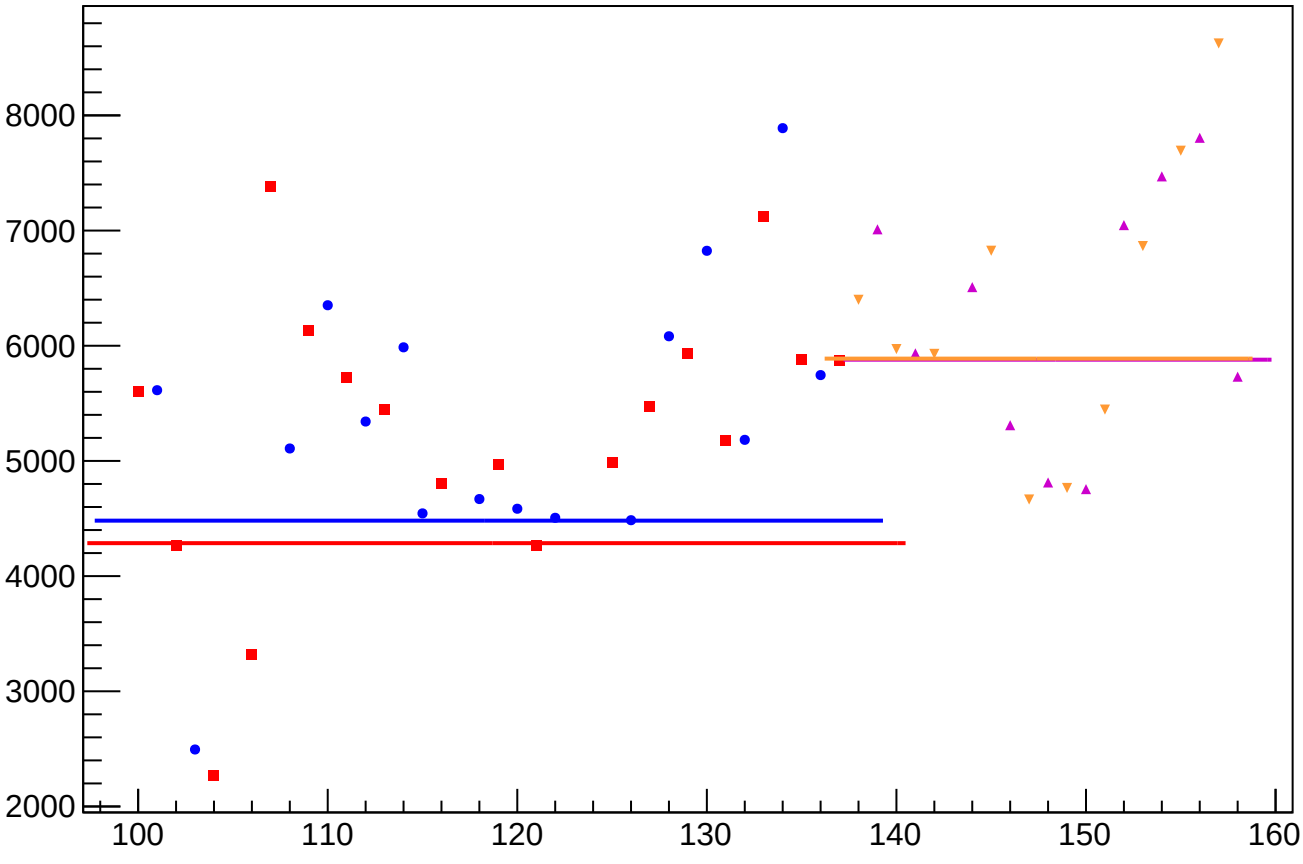
Right Out: 78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: -1247.692+/-2025.192 χ^2/NDF:4.3/9

+ sign -130.682+/-1360.888 χ^2/NDF: 27.0/25

All: -308.086+/-941.221 χ^2/NDF: 47.2/53

- sign -470.760+/-1303.163 χ^2/NDF: 20.1/27



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 5888.261+/-1.520 χ^2/NDF:542973.2/9

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

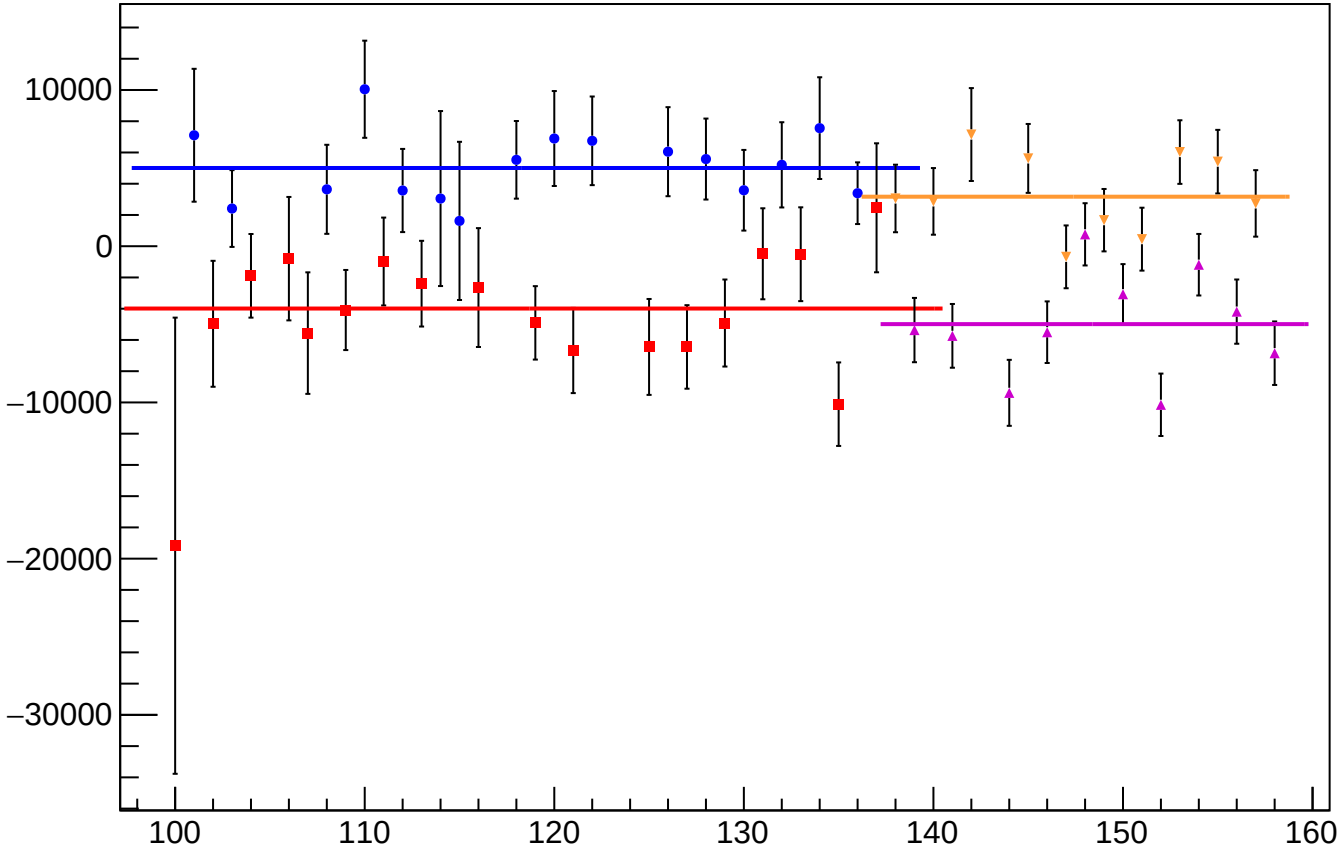
Left In: 5878.892+/-1.432 χ^2/NDF:490938.7/9

+ sign 5045.153+/-0.962 χ^2/NDF: 2418403.7/25

All: 4993.235+/-0.666 χ^2/NDF: 5189634.8/53

- sign 4945.629+/-0.921 χ^2/NDF: 2765651.3/27

dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3169.883+/-674.093 χ^2/NDF:12.3/9

Right Out: -3989.193+/-719.024 χ^2/NDF: 17.4/17

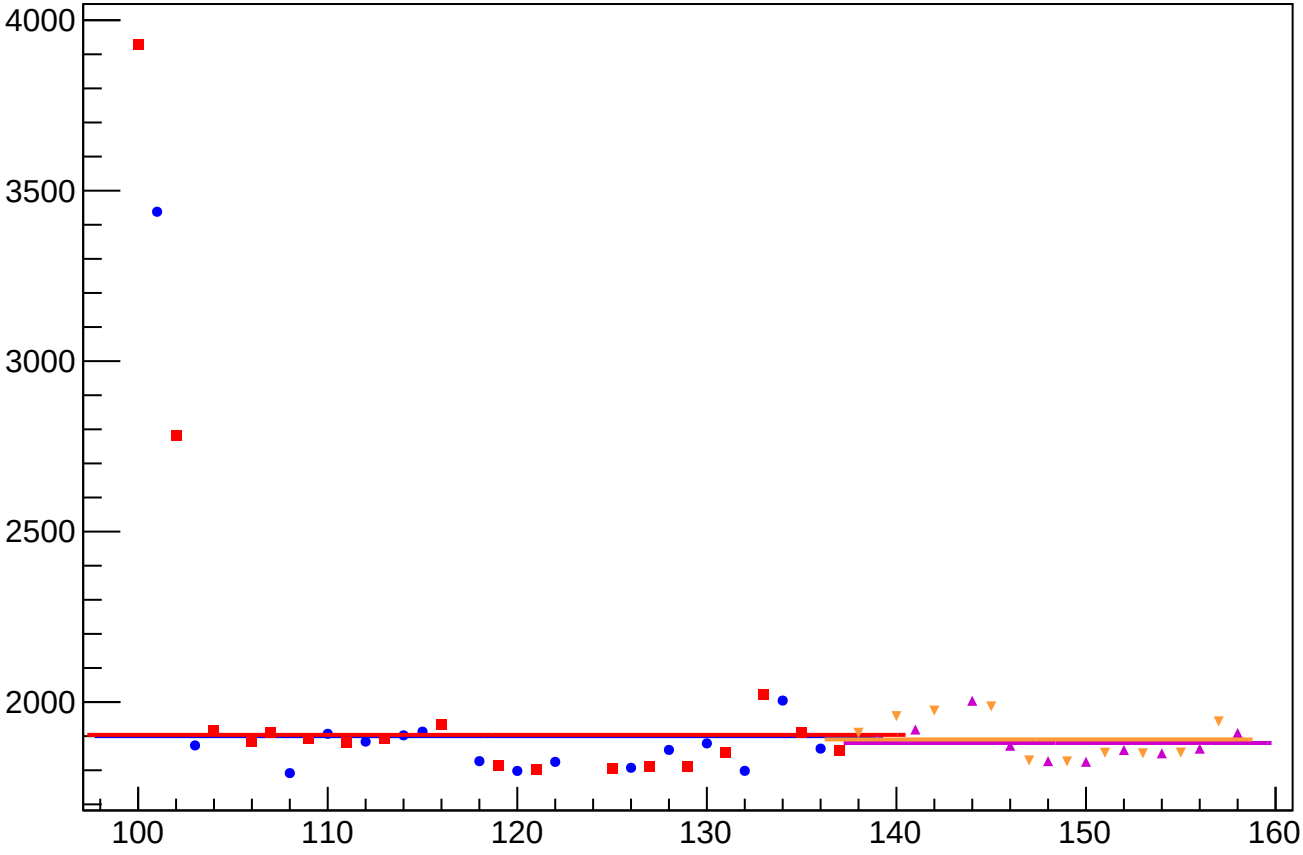
Left In: -4987.022+/-636.795 χ^2/NDF:25.3/9

+ sign 4035.738+/-490.177 χ^2/NDF: 23.5/25

All: -375.819+/-341.749 χ^2/NDF: 224.8/53

- sign -4548.403+/-476.715 χ^2/NDF: 43.7/27

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1890.393+/-0.477 χ^2/NDF:15160.2/9

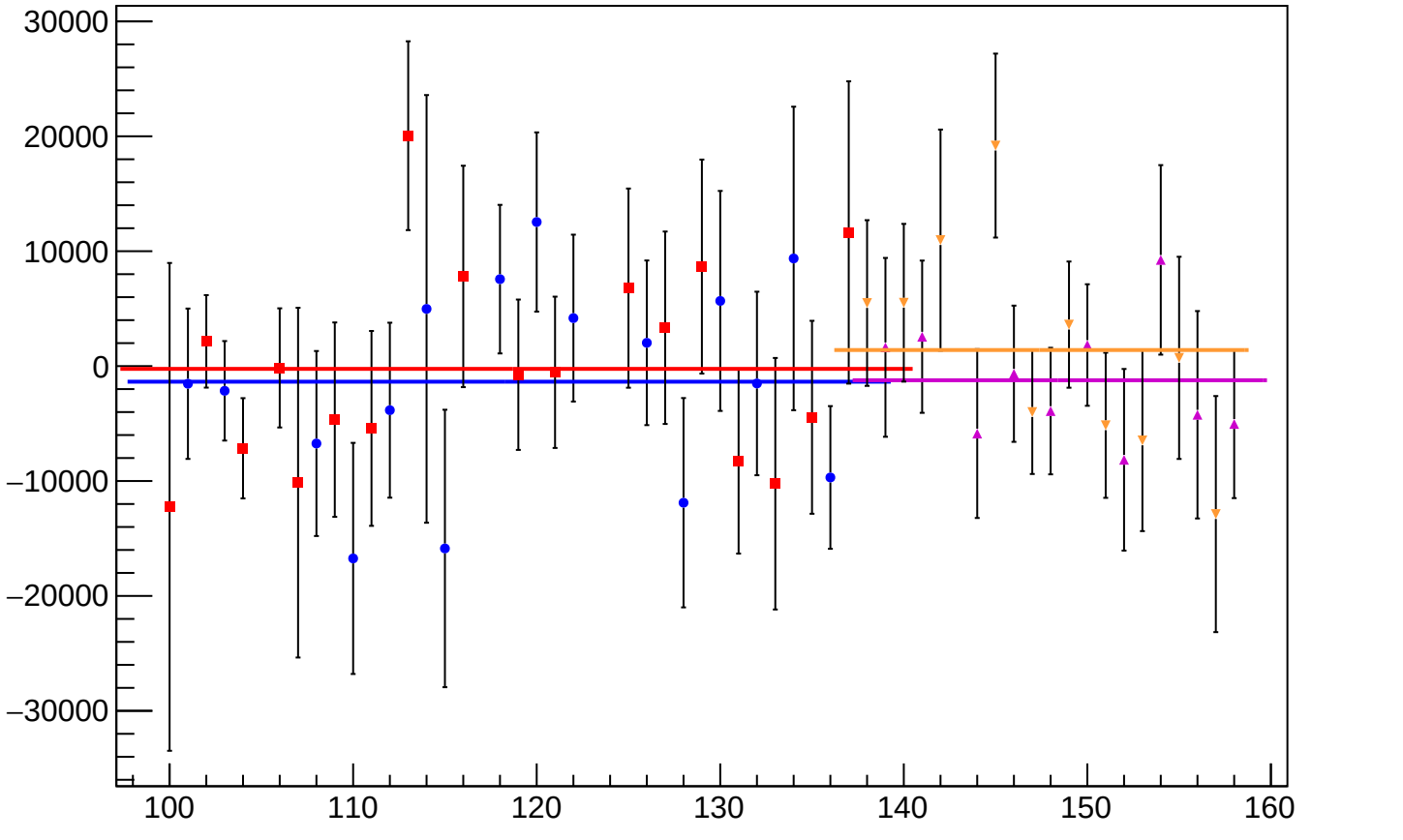
Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1880.026+/-0.450 χ^2/NDF:12023.1/9

+ sign 1894.972+/-0.347 χ^2/NDF: 293804.4/25

All: 1892.674+/-0.242 χ^2/NDF: 457258.5/53

- sign 1890.501+/-0.337 χ^2/NDF: 163368.6/27



Right In: -1356.615+/-1895.990 χ^2/NDF: 14.7/15

Left Out: 1399.749+/-2247.382 χ^2/NDF:11.8/9

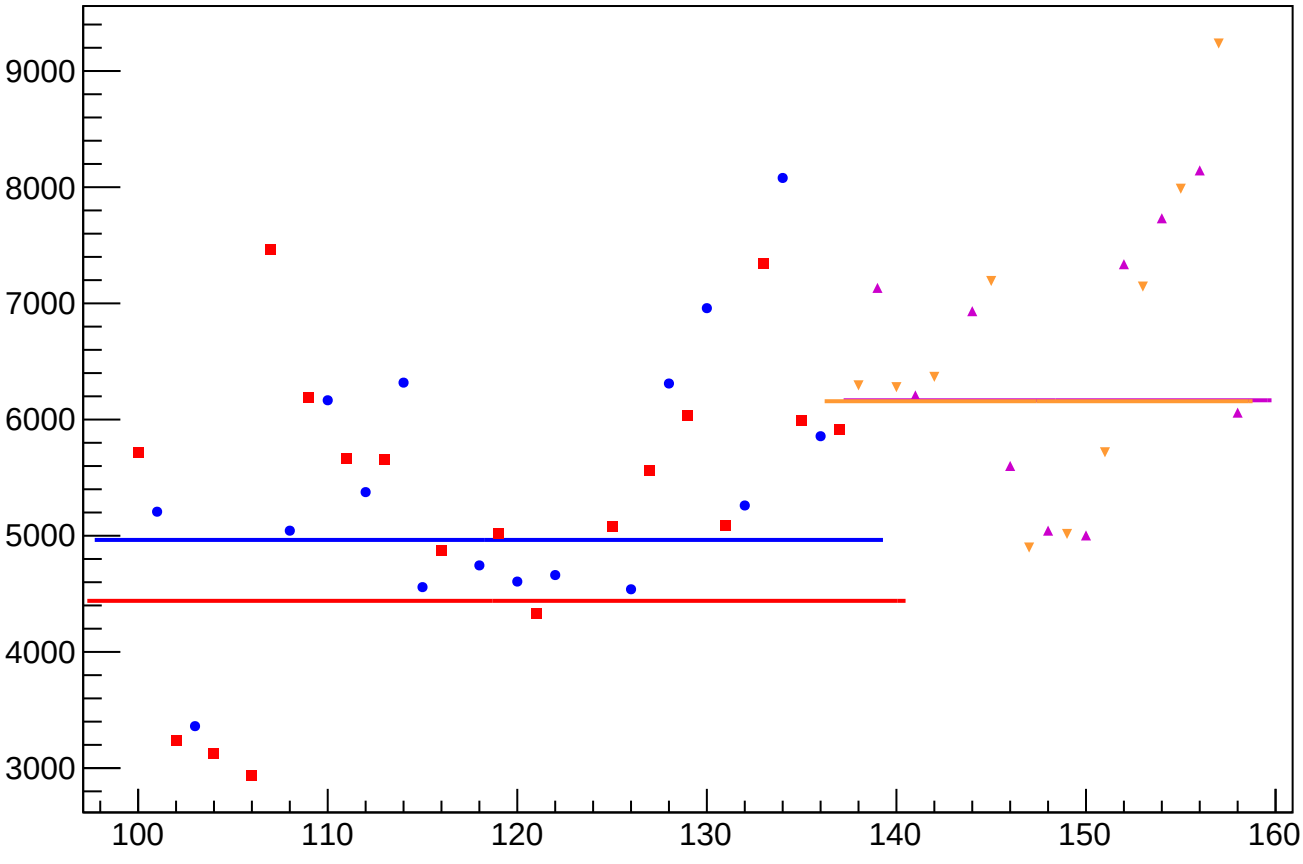
Right Out: -241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: -1230.434+/-2122.246 χ^2/NDF:4.3/9

+ sign -210.526+/-1449.165 χ^2/NDF: 27.4/25

All: -438.498+/-980.997 χ^2/NDF: 47.6/53

- sign -631.331+/-1332.807 χ^2/NDF: 20.1/27



Right In: 4963.998+/-1.341 χ^2/NDF: 627377.0/15

Left Out: 6157.796+/-1.589 χ^2/NDF:538507.3/9

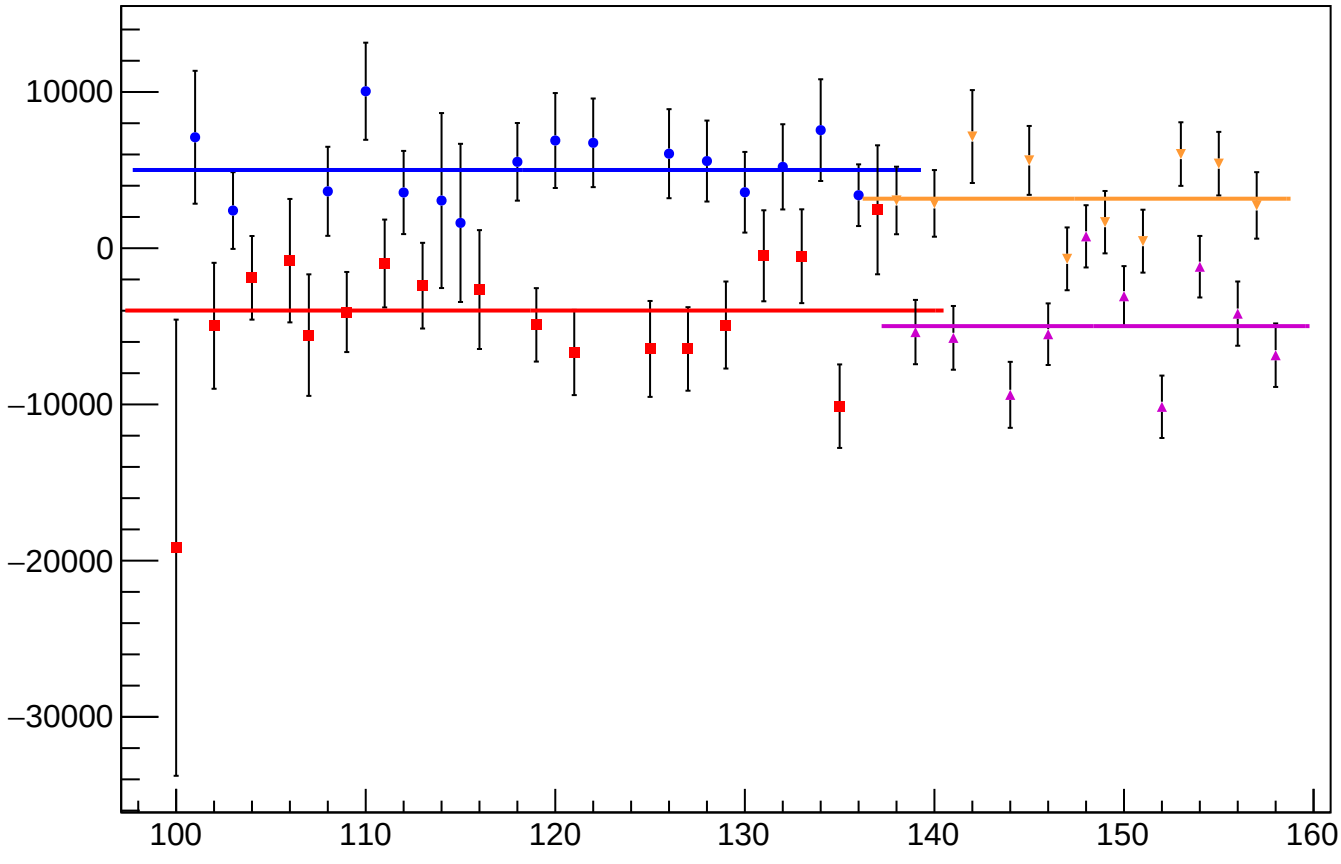
Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 6165.859+/-1.501 χ^2/NDF:463538.7/9

+ sign 5460.376+/-1.025 χ^2/NDF: 1495570.8/25

All: 5276.243+/-0.694 χ^2/NDF: 3978520.3/53

- sign 5120.492+/-0.942 χ^2/NDF: 2423347.9/27



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3169.881+/-674.093 χ^2/NDF:12.3/9

Right Out: -3989.192+/-719.024 χ^2/NDF: 17.4/17

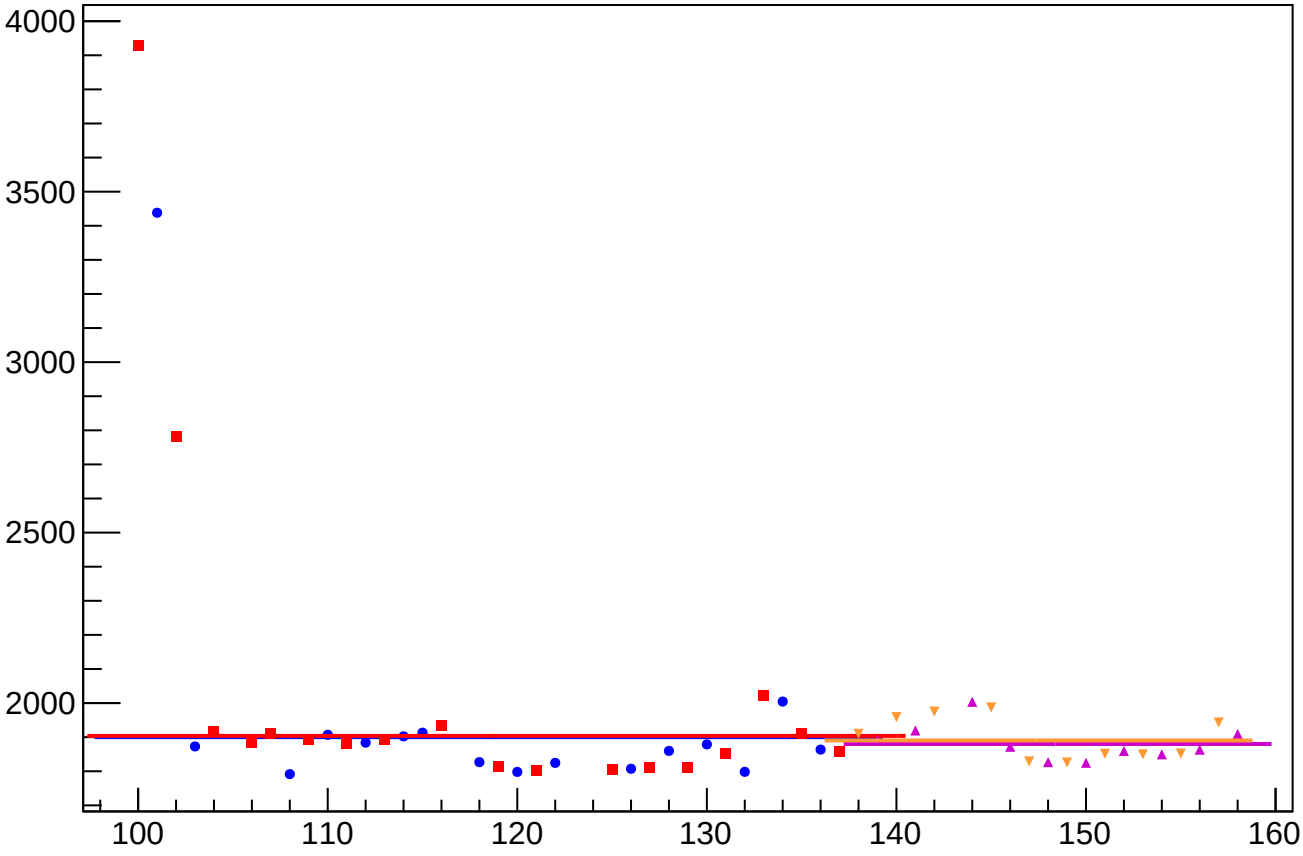
Left In: -4987.023+/-636.796 χ^2/NDF:25.3/9

\+ sign 4035.737+/-490.177 χ^2/NDF: 23.5/25

All: -375.819+/-341.749 χ^2/NDF: 224.8/53

\- sign -4548.403+/-476.716 χ^2/NDF: 43.7/27

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.5/15

Left Out: 1890.394+/-0.477 χ^2/NDF:15160.5/9

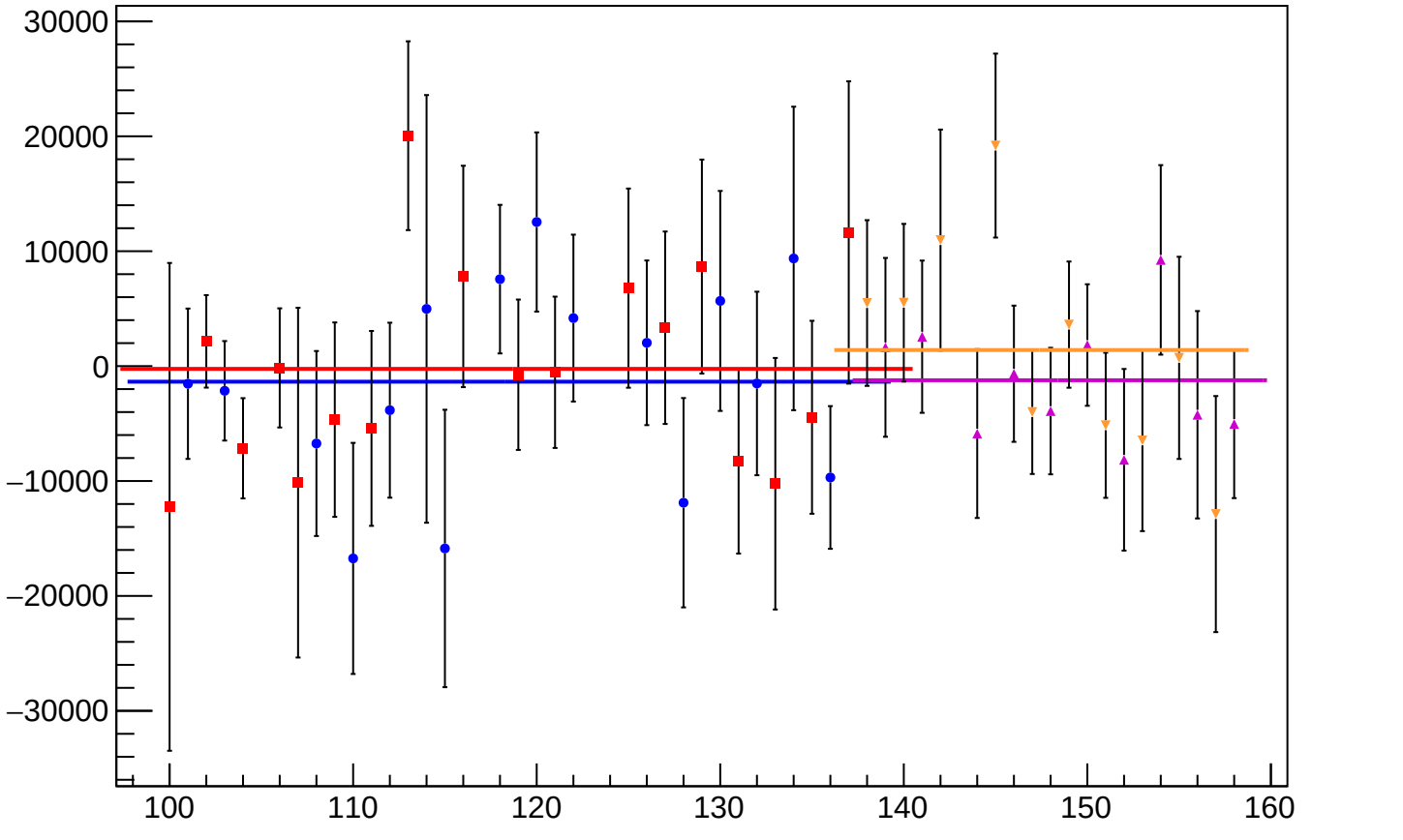
Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

Left In: 1880.028+/-0.450 χ^2/NDF:12023.3/9

+ sign 1894.973+/-0.347 χ^2/NDF: 293804.8/25

All: 1892.674+/-0.242 χ^2/NDF: 457258.2/53

- sign 1890.502+/-0.337 χ^2/NDF: 163367.8/27



Right In: -1356.604+/-1895.985 χ^2/NDF: 14.7/15

Left Out: 1399.742+/-2247.385 χ^2/NDF:11.8/9

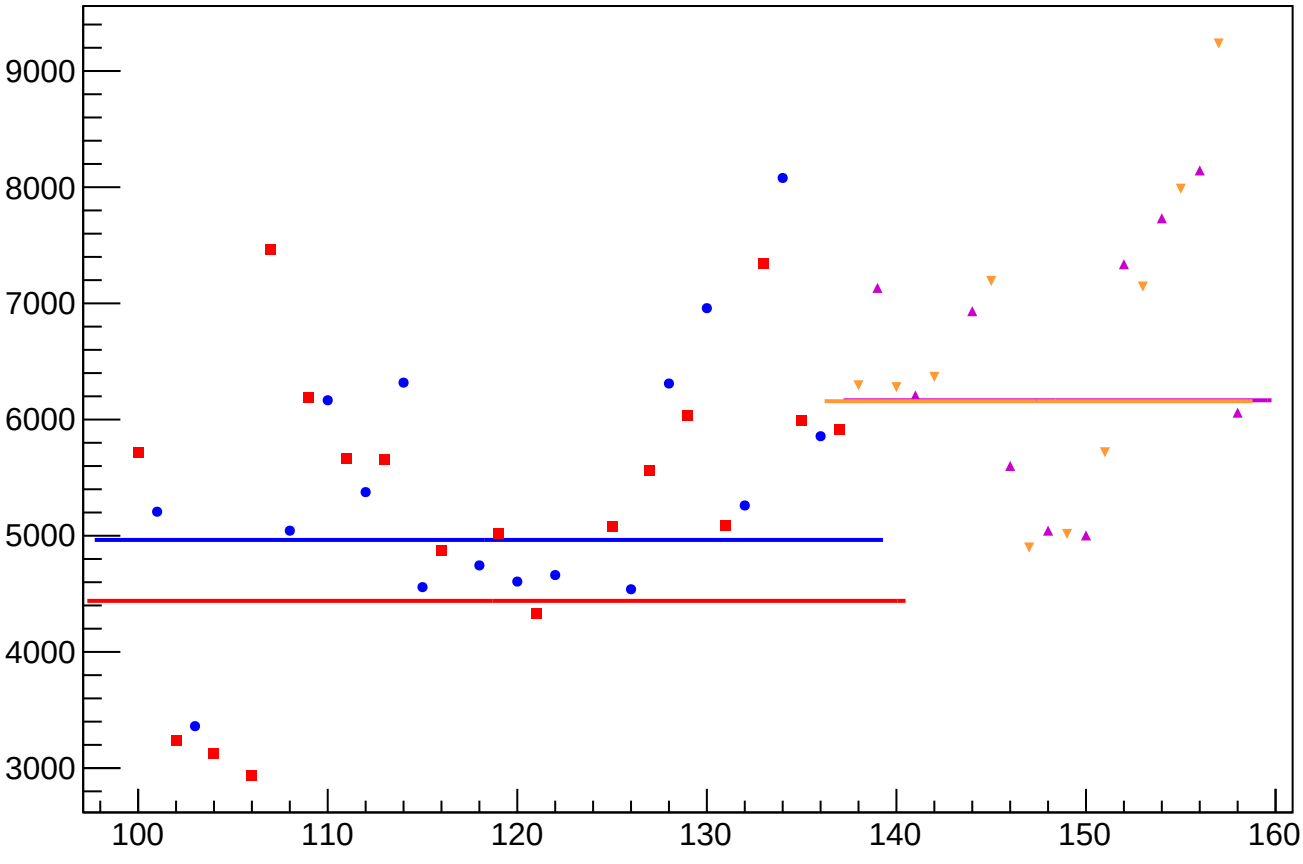
Right Out: -241.155+/-1712.677 χ^2/NDF: 15.7/17

Left In: -1230.435+/-2122.249 χ^2/NDF:4.3/9

+ sign -210.528+/-1449.164 χ^2/NDF: 27.4/25

All: -438.499+/-980.996 χ^2/NDF: 47.6/53

- sign -631.331+/-1332.806 χ^2/NDF: 20.1/27



Right In: 4963.985+/-1.341 χ^2/NDF: 627379.5/15

Left Out: 6157.804+/-1.589 χ^2/NDF:538508.6/9

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

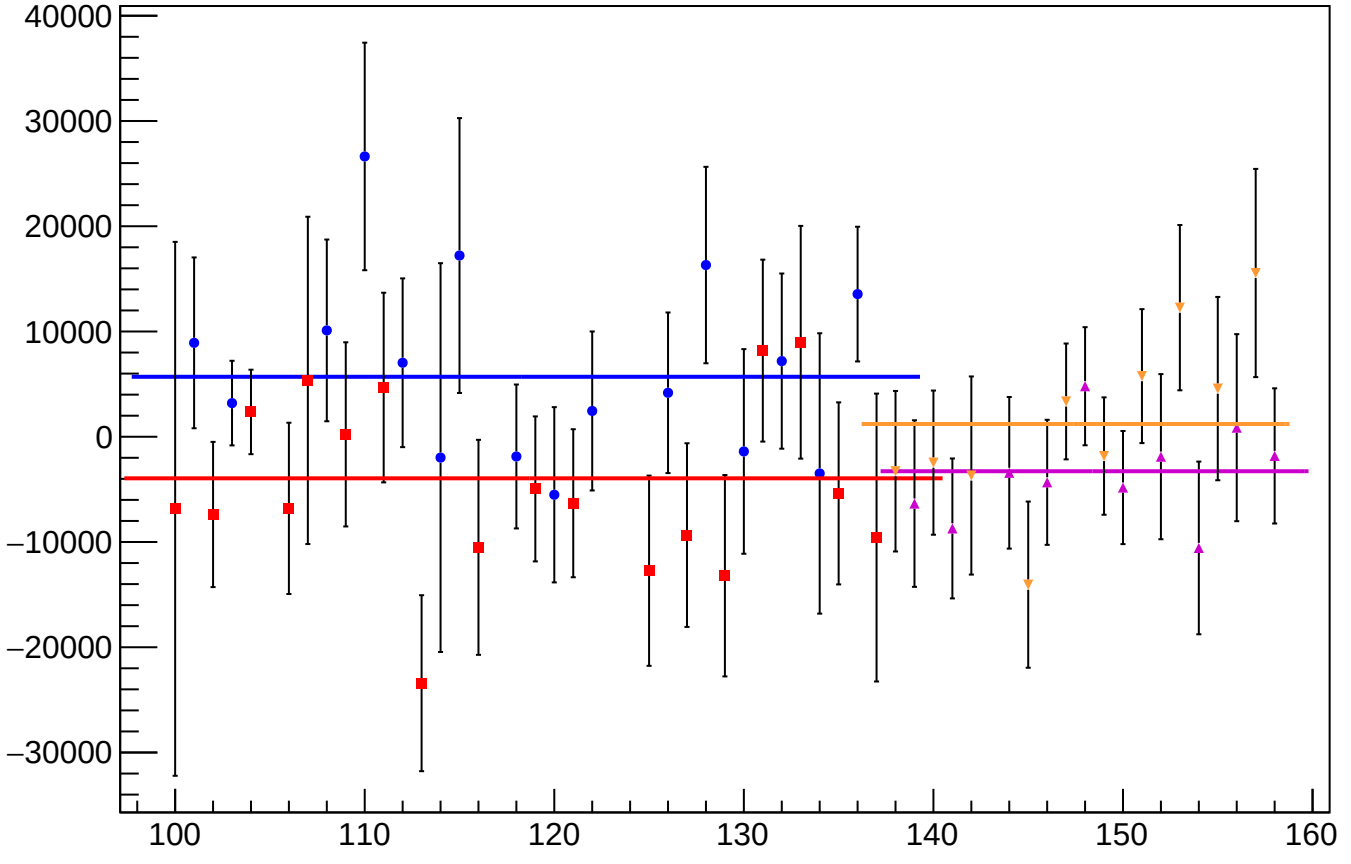
Left In: 6165.868+/-1.501 χ^2/NDF:463539.2/9

+ sign 5460.370+/-1.025 χ^2/NDF: 1495586.5/25

All: 5276.236+/-0.694 χ^2/NDF: 3978555.3/53

- sign 5120.485+/-0.942 χ^2/NDF: 2423366.9/27

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5697.218+/-1959.214 χ^2/NDF: 12.6/15

Left Out: 1210.769+/-2262.612 χ^2/NDF:9.8/9

Right Out: -3949.394+/-1920.582 χ^2/NDF: 16.1/17

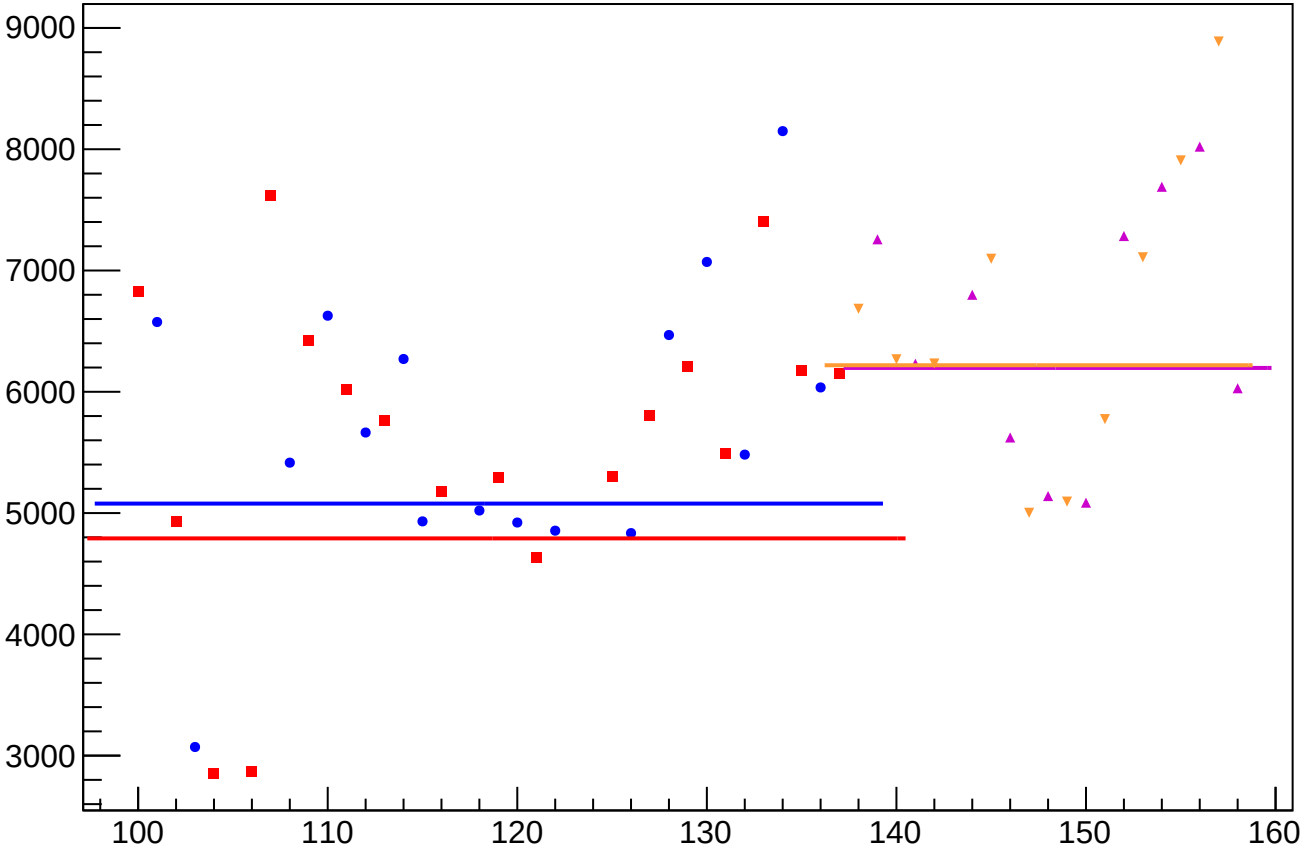
Left In: -3276.464+/-2128.962 χ^2/NDF:4.1/9

+ sign 3774.752+/-1481.113 χ^2/NDF: 24.7/25

All: -76.879+/-1027.285 χ^2/NDF: 58.0/53

- sign -3647.465+/-1426.052 χ^2/NDF: 20.3/27

asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 6218.864+/-1.600 χ^2/NDF:467685.3/9

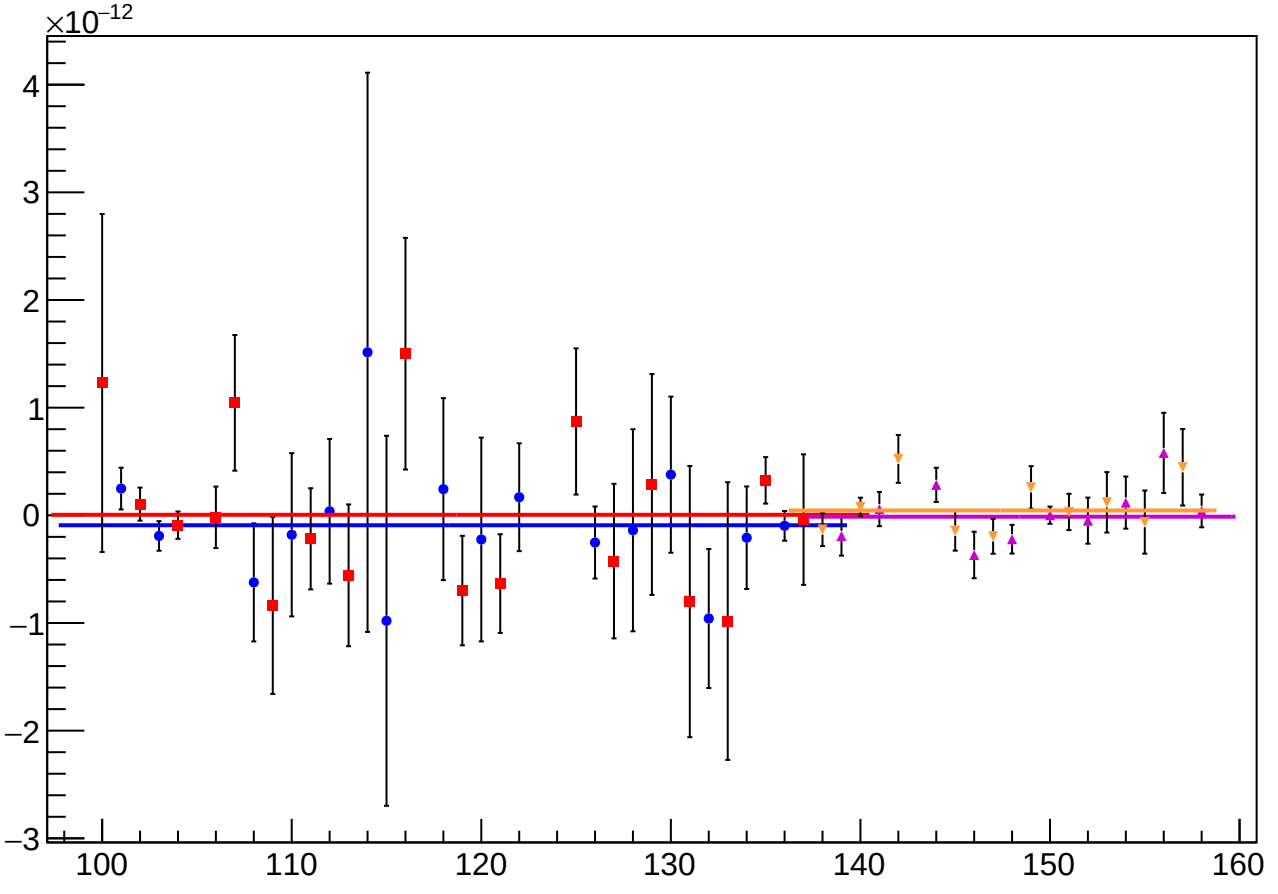
Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6196.780+/-1.505 χ^2/NDF:415539.1/9

+ sign 5566.947+/-1.047 χ^2/NDF: 1677415.5/25

All: 5483.415+/-0.722 χ^2/NDF: 3756954.2/53

- sign 5407.711+/-0.997 χ^2/NDF: 2067411.7/27



Right In: -0.000+/-0.000 χ^2/NDF: 8.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.0/9

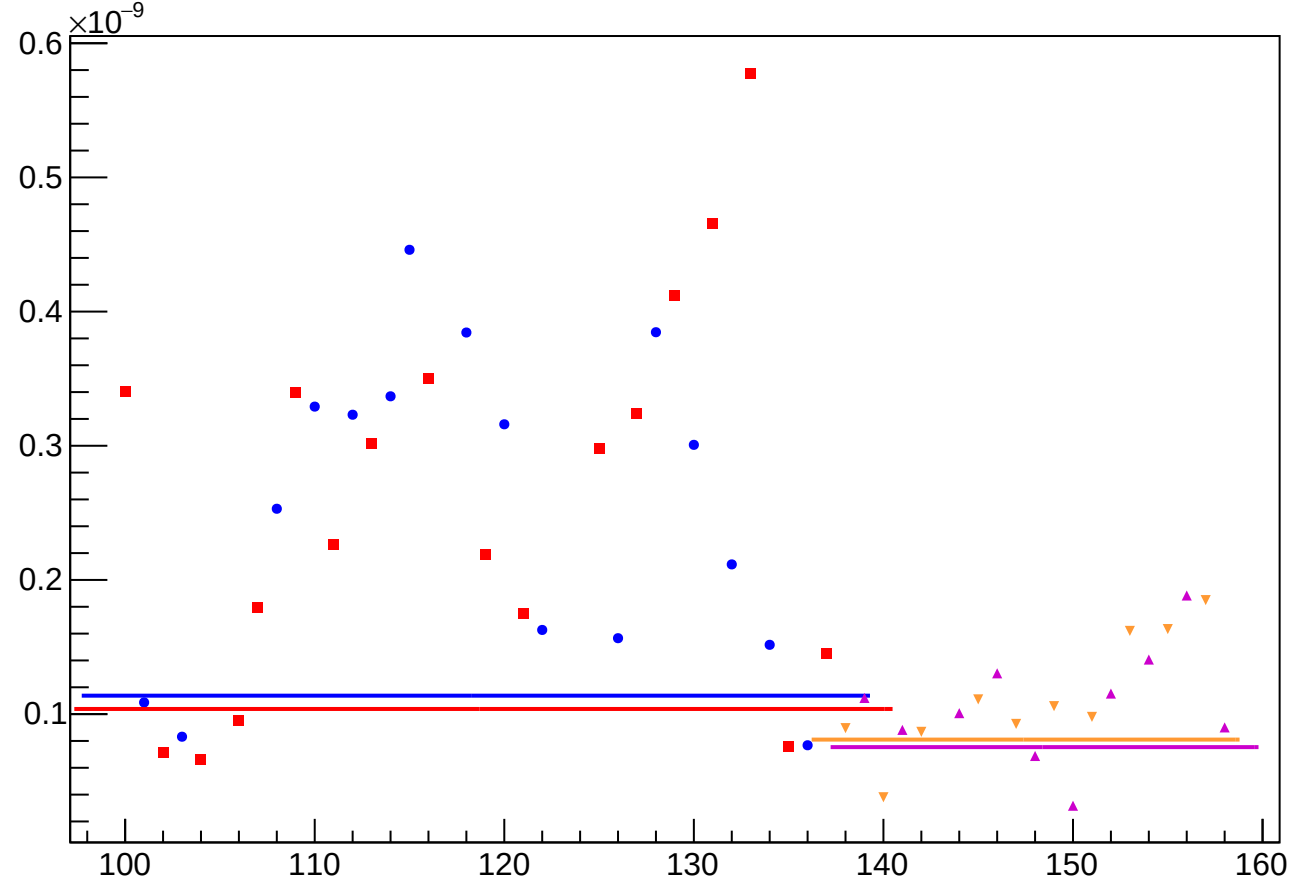
Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: -0.000+/-0.000 χ^2/NDF:12.8/9

+ sign 0.000+/-0.000 χ^2/NDF: 22.3/25

All: -0.000+/-0.000 χ^2/NDF: 52.6/53

- sign -0.000+/-0.000 χ^2/NDF: 30.2/27



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1120041.7/9

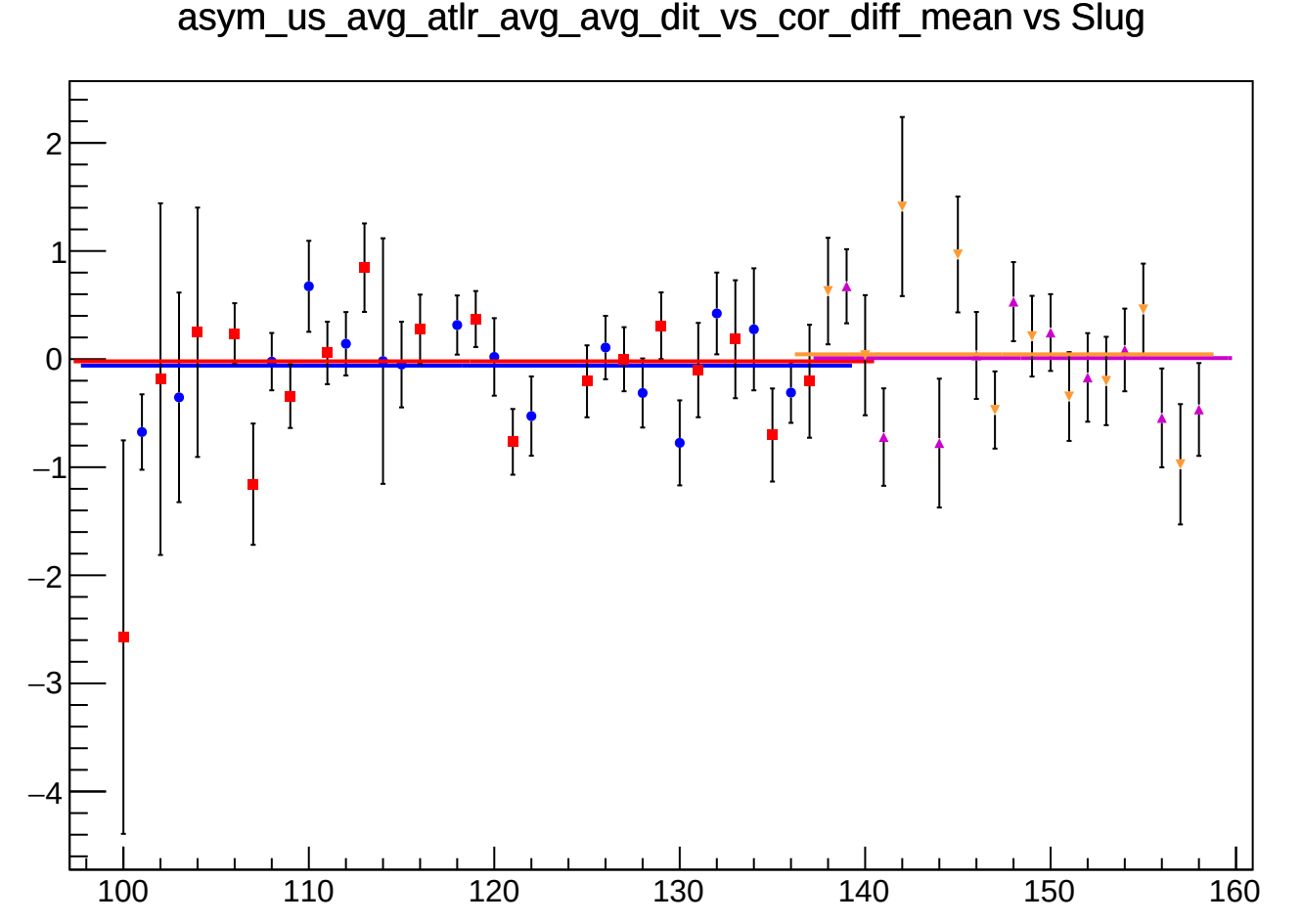
Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1294621.2/9

+ sign 0.000+/-0.000 χ^2/NDF: 2887260.7/25

All: 0.000+/-0.000 χ^2/NDF: 6500735.5/53

- sign 0.000+/-0.000 χ^2/NDF: 3577848.4/27



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: 0.044+/-0.144 χ^2/NDF:15.0/9

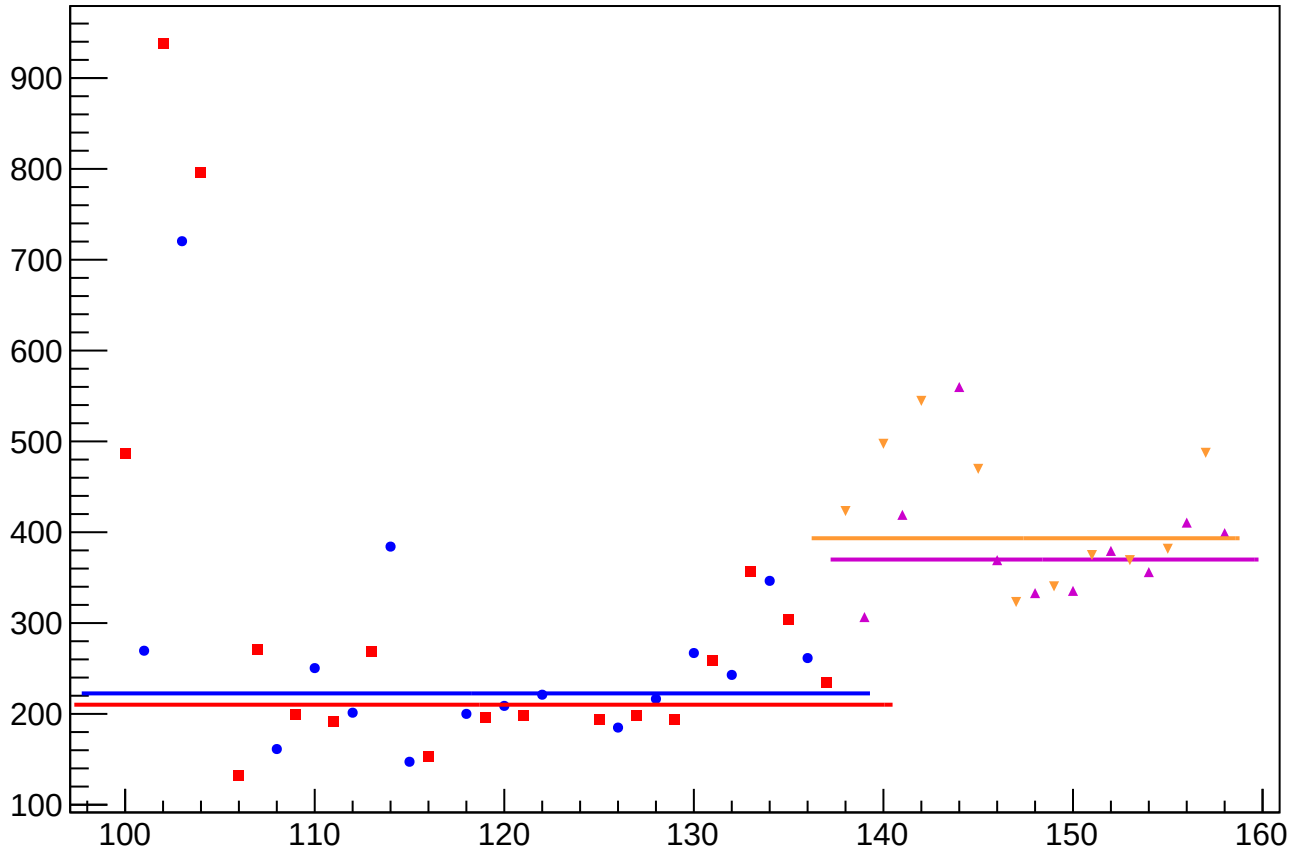
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.009+/-0.128 χ^2/NDF:13.5/9

+ sign -0.032+/-0.076 χ^2/NDF: 32.6/25

All: -0.021+/-0.052 χ^2/NDF: 72.4/53

- sign -0.011+/-0.072 χ^2/NDF: 39.7/27



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 393.383+/-0.102 χ^2/NDF:371766.0/9

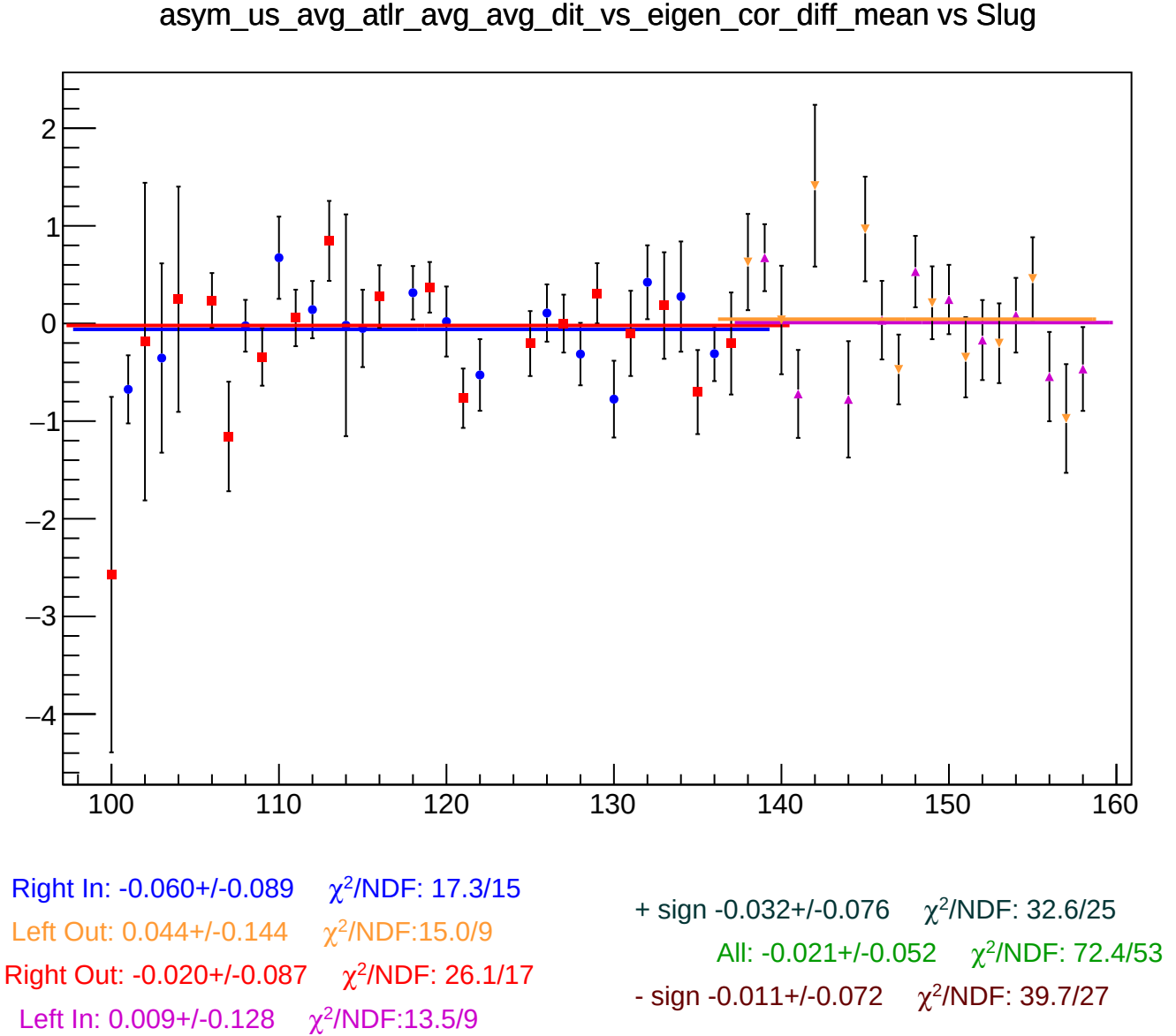
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

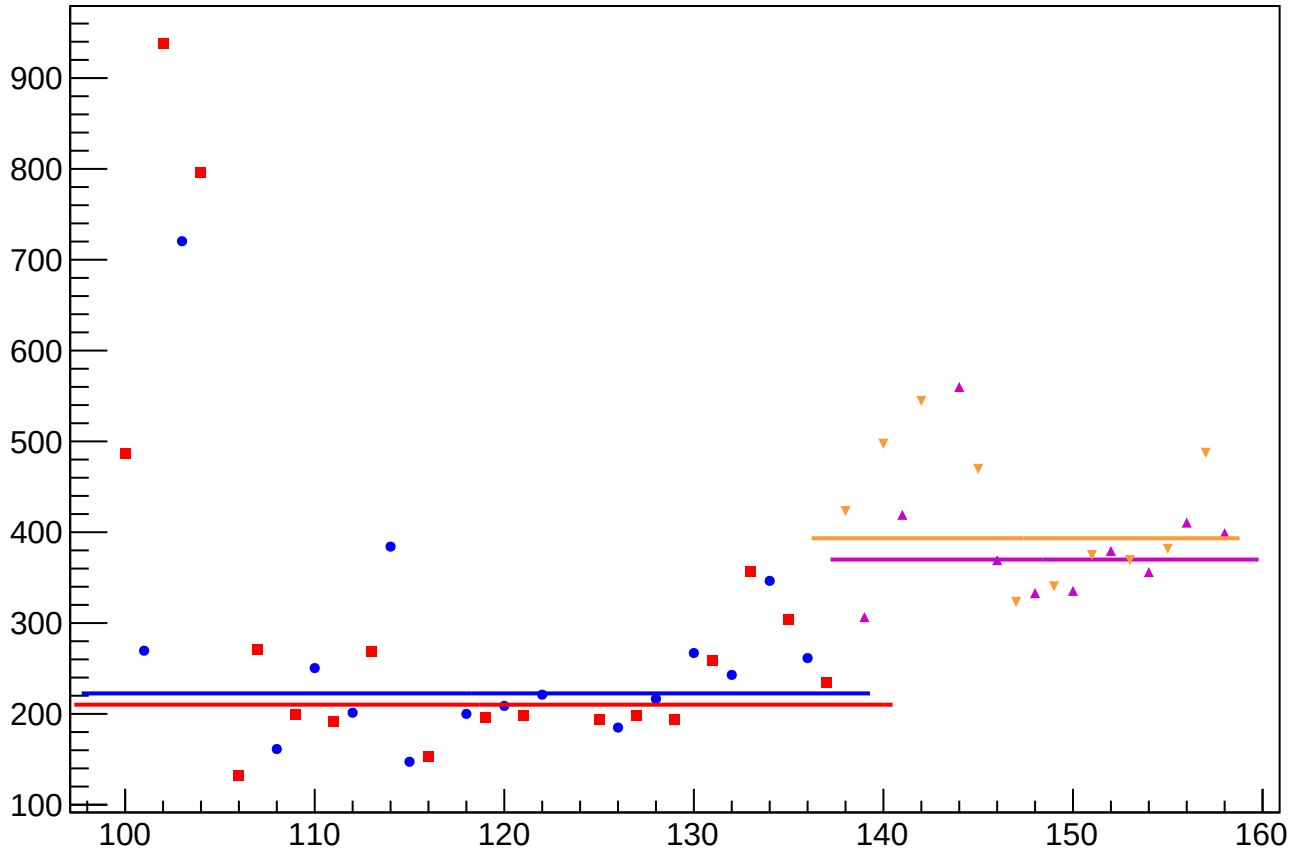
Left In: 369.938+/-0.091 χ^2/NDF:363331.8/9

+ sign 269.392+/-0.053 χ^2/NDF: 3425632.0/25

All: 264.932+/-0.037 χ^2/NDF: 7472175.4/53

- sign 260.854+/-0.051 χ^2/NDF: 4033196.0/27


asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: 0.044+/-0.144 χ²/NDF:15.0/9
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.009+/-0.128 χ²/NDF:13.5/9
+ sign -0.032+/-0.076 χ²/NDF: 32.6/25
All: -0.021+/-0.052 χ²/NDF: 72.4/53
- sign -0.011+/-0.072 χ²/NDF: 39.7/27



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 393.383+/-0.102 χ^2/NDF:371766.0/9

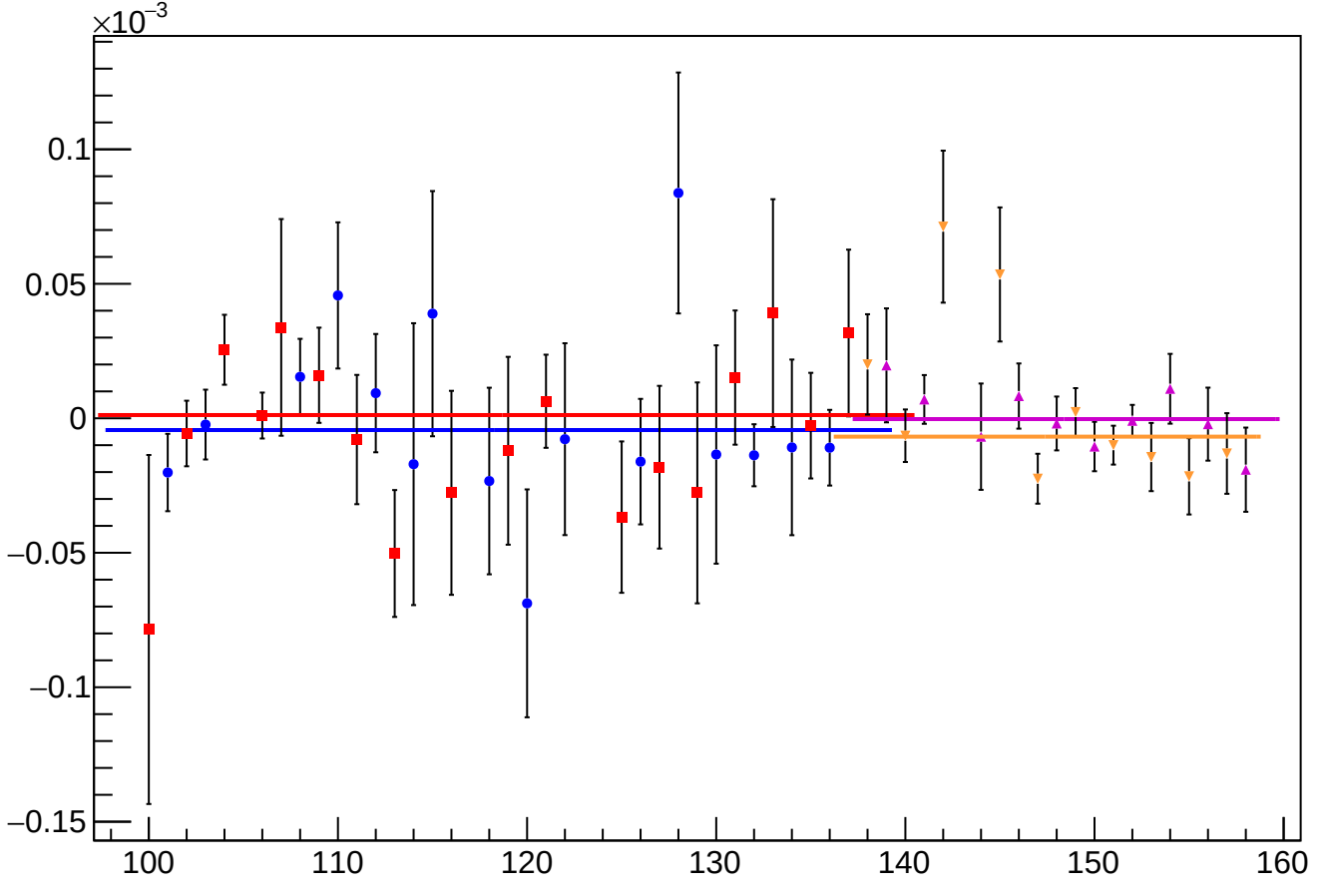
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 369.938+/-0.091 χ^2/NDF:363331.8/9

+ sign 269.392+/-0.053 χ^2/NDF: 3425632.0/25

All: 264.932+/-0.037 χ^2/NDF: 7472175.4/53

- sign 260.854+/-0.051 χ^2/NDF: 4033196.0/27



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.3/9

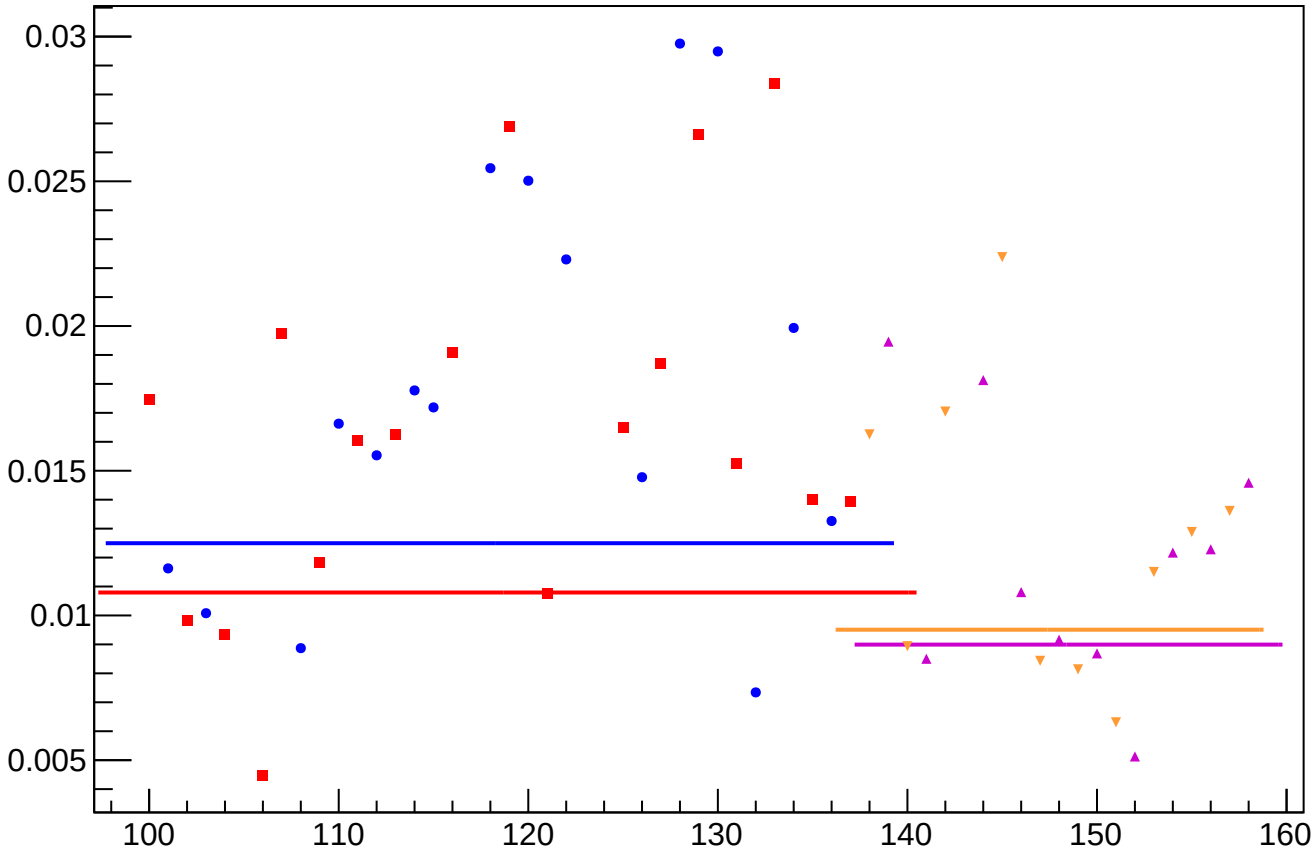
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: -0.000+/-0.000 χ^2/NDF:5.6/9

+ sign -0.000+/-0.000 χ^2/NDF: 37.1/25

All: -0.000+/-0.000 χ^2/NDF: 62.4/53

- sign 0.000+/-0.000 χ^2/NDF: 22.9/27



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

Left Out: 0.010+/-0.000 χ^2/NDF:1722892.4/9

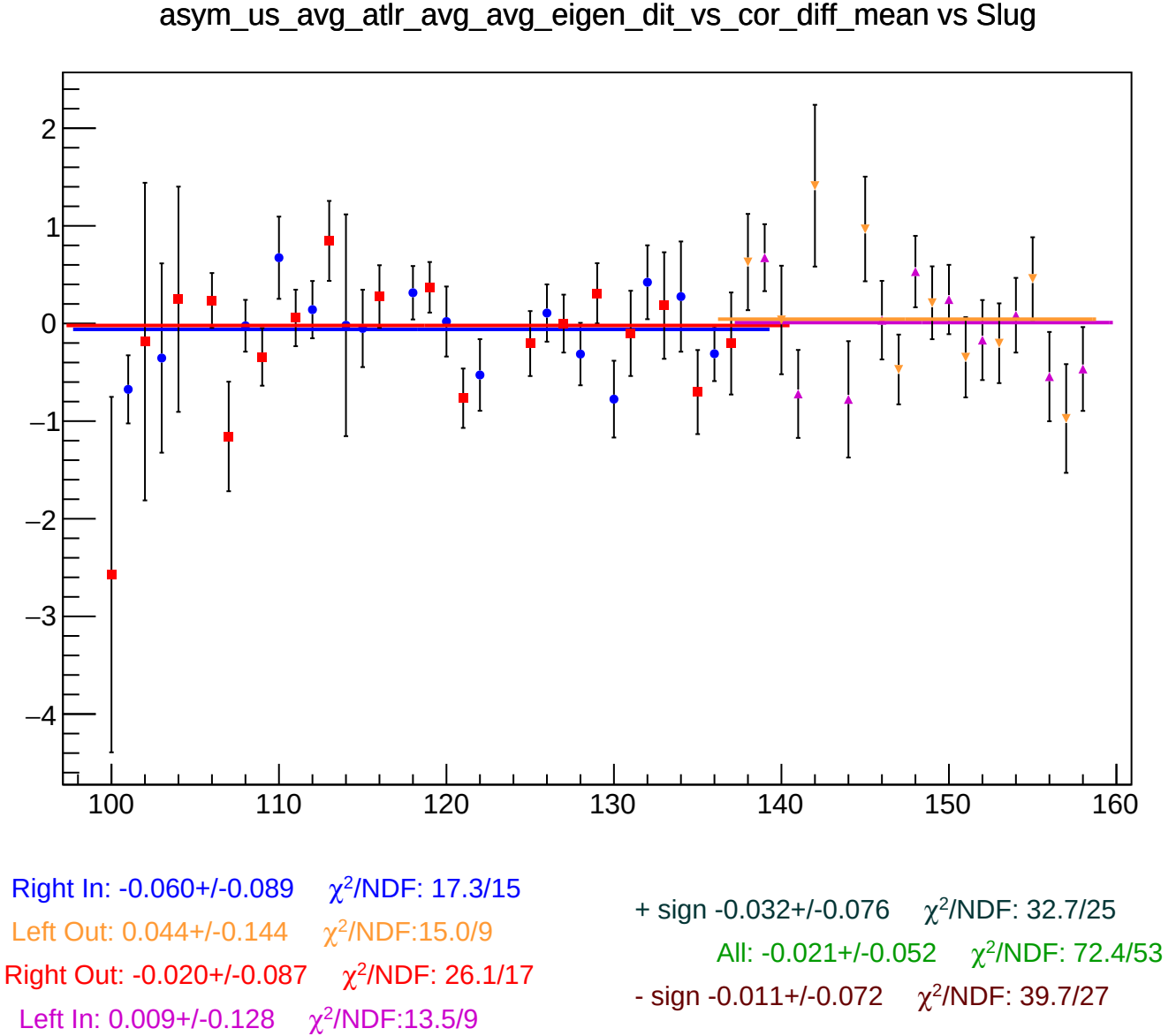
Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

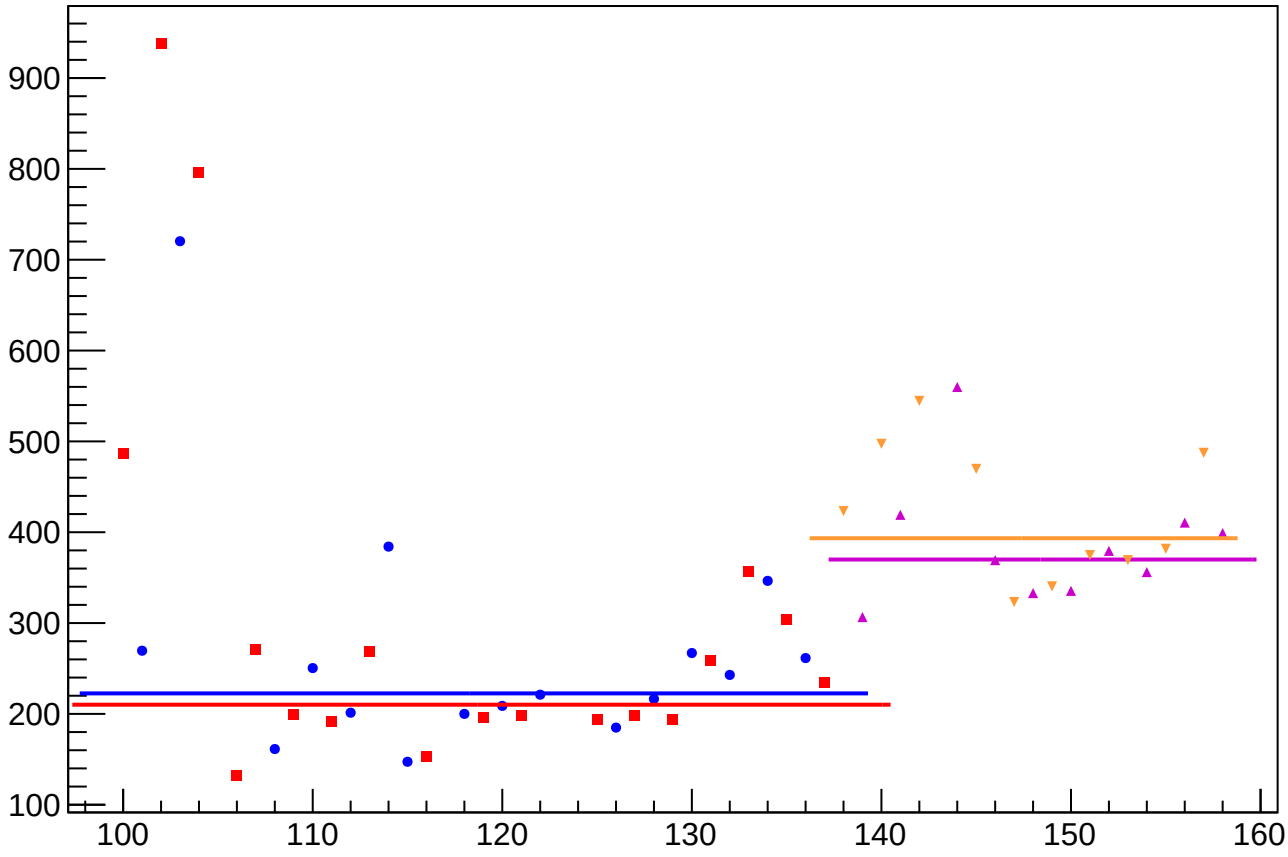
Left In: 0.009+/-0.000 χ^2/NDF:2318628.6/9

+ sign 0.011+/-0.000 χ^2/NDF: 4293931.2/25

All: 0.010+/-0.000 χ^2/NDF: 9904049.3/53

- sign 0.010+/-0.000 χ^2/NDF: 5507901.4/27


asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: 0.044+/-0.144 χ²/NDF:15.0/9
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.009+/-0.128 χ²/NDF:13.5/9
+ sign -0.032+/-0.076 χ²/NDF: 32.7/25
All: -0.021+/-0.052 χ²/NDF: 72.4/53
- sign -0.011+/-0.072 χ²/NDF: 39.7/27



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 393.388+/-0.102 χ^2/NDF:371769.2/9

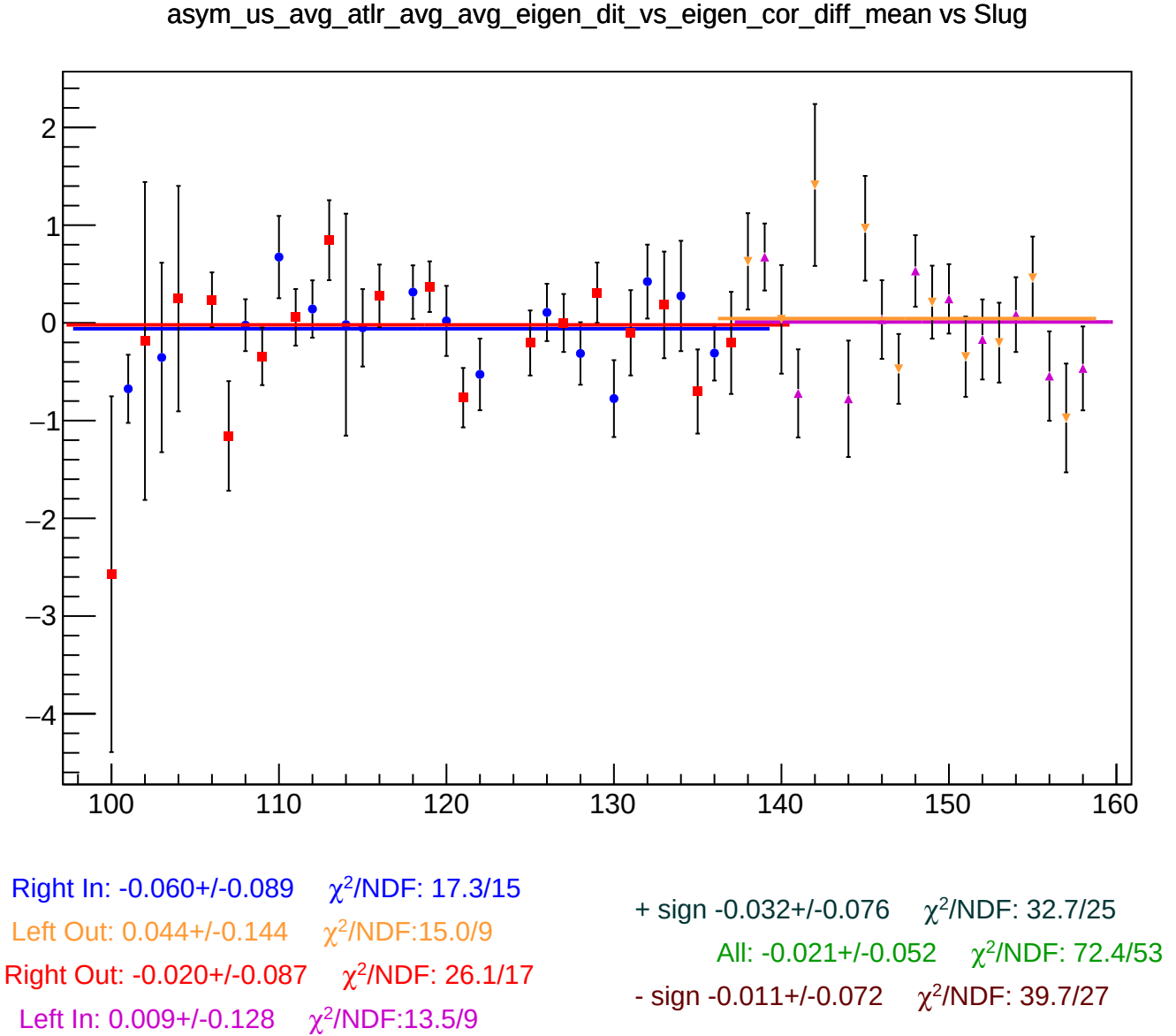
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

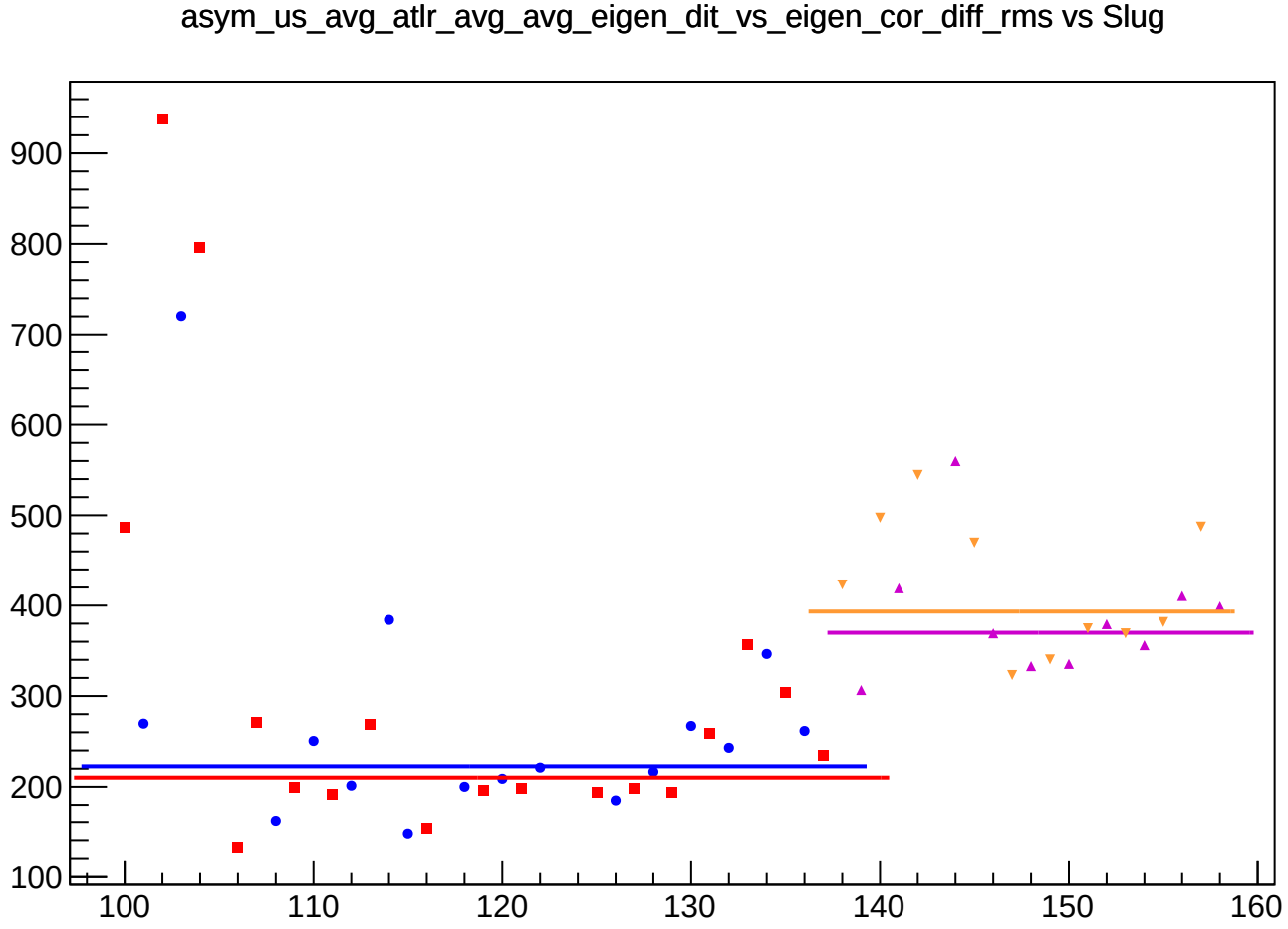
Left In: 369.944+/-0.091 χ^2/NDF:363324.8/9

+ sign 269.391+/-0.053 χ^2/NDF: 3425755.2/25

All: 264.931+/-0.037 χ^2/NDF: 7472467.0/53

- sign 260.852+/-0.051 χ^2/NDF: 4033362.3/27


asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: 0.044+/-0.144 χ²/NDF:15.0/9
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.009+/-0.128 χ²/NDF:13.5/9
+ sign -0.032+/-0.076 χ²/NDF: 32.7/25
All: -0.021+/-0.052 χ²/NDF: 72.4/53
- sign -0.011+/-0.072 χ²/NDF: 39.7/27



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 393.388+/-0.102 χ^2/NDF:371769.2/9

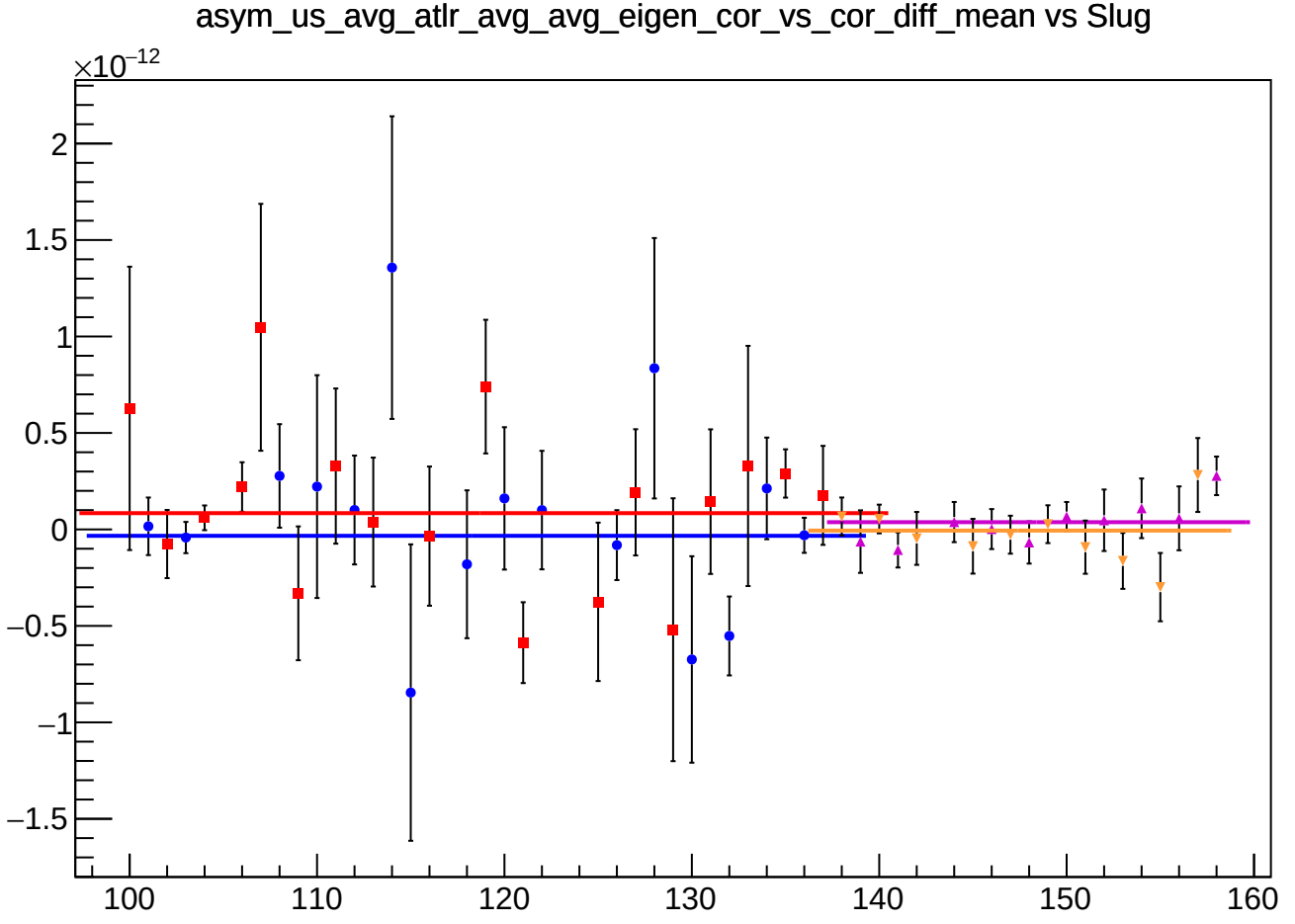
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 369.944+/-0.091 χ^2/NDF:363324.8/9

+ sign 269.391+/-0.053 χ^2/NDF: 3425755.2/25

All: 264.931+/-0.037 χ^2/NDF: 7472467.0/53

- sign 260.852+/-0.051 χ^2/NDF: 4033362.3/27



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.3/9

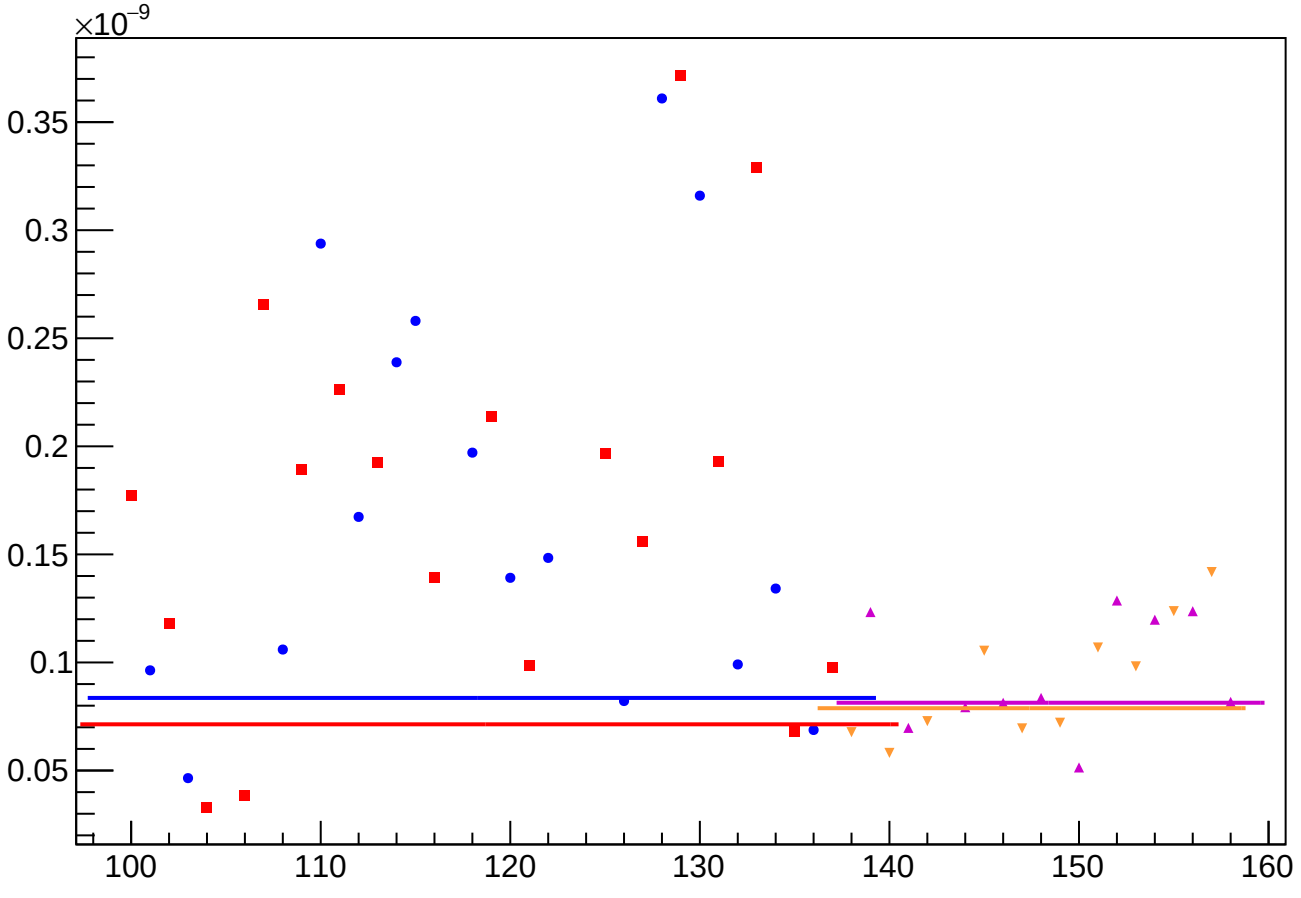
Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/17

Left In: 0.000+/-0.000 χ^2/NDF:10.1/9

+ sign -0.000+/-0.000 χ^2/NDF: 25.8/25

All: 0.000+/-0.000 χ^2/NDF: 65.6/53

- sign 0.000+/-0.000 χ^2/NDF: 36.6/27



Right In: 0.000+/-0.000 χ^2/NDF: 2235431.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:745173.6/9

Right Out: 0.000+/-0.000 χ^2/NDF: 3745180.4/17

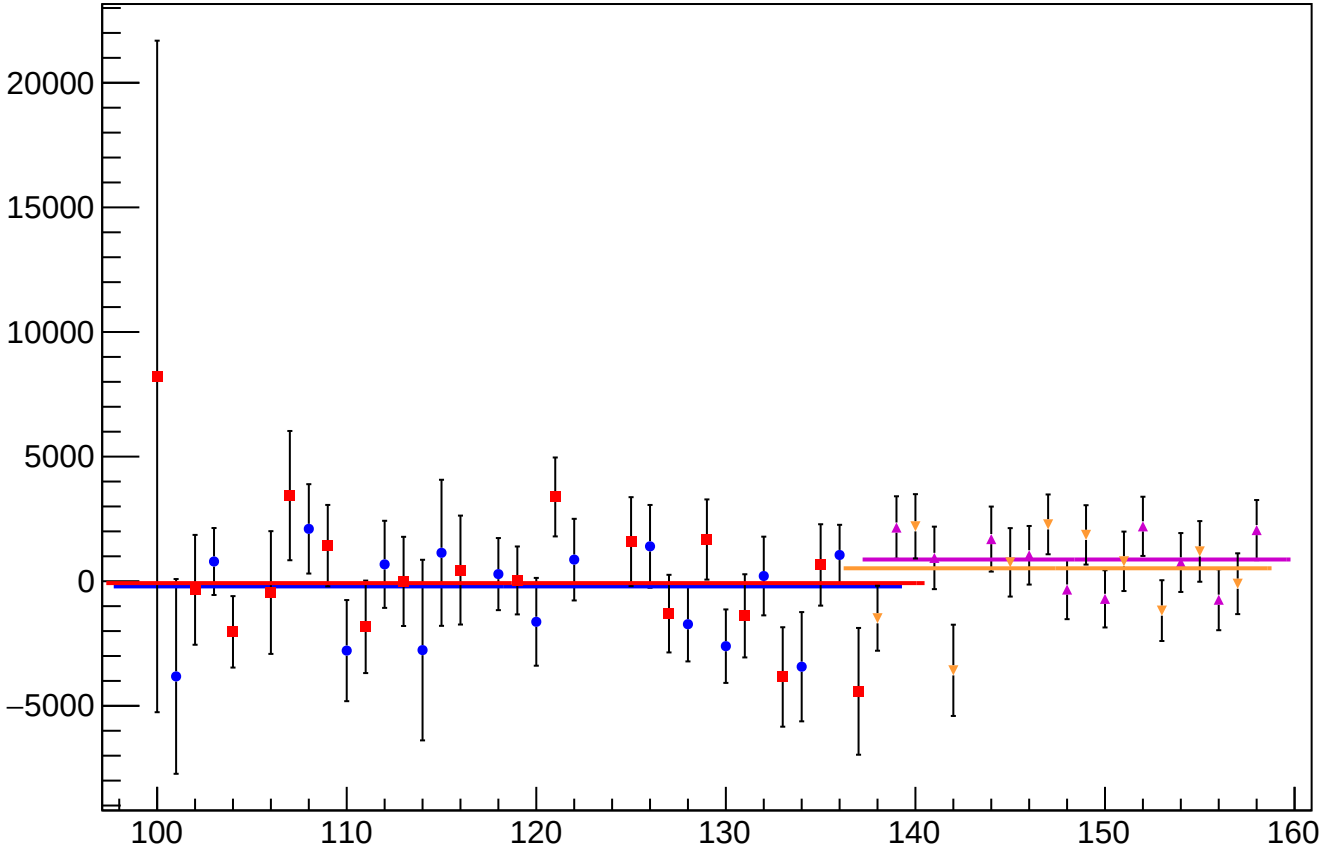
Left In: 0.000+/-0.000 χ^2/NDF:913574.0/9

+ sign 0.000+/-0.000 χ^2/NDF: 2993360.4/25

All: 0.000+/-0.000 χ^2/NDF: 7726701.7/53

- sign 0.000+/-0.000 χ^2/NDF: 4721393.7/27

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.338+/-429.155 χ^2/NDF: 14.8/15

Left Out: 519.120+/-403.530 χ^2/NDF:15.1/9

Right Out: -75.616+/-430.760 χ^2/NDF: 20.7/17

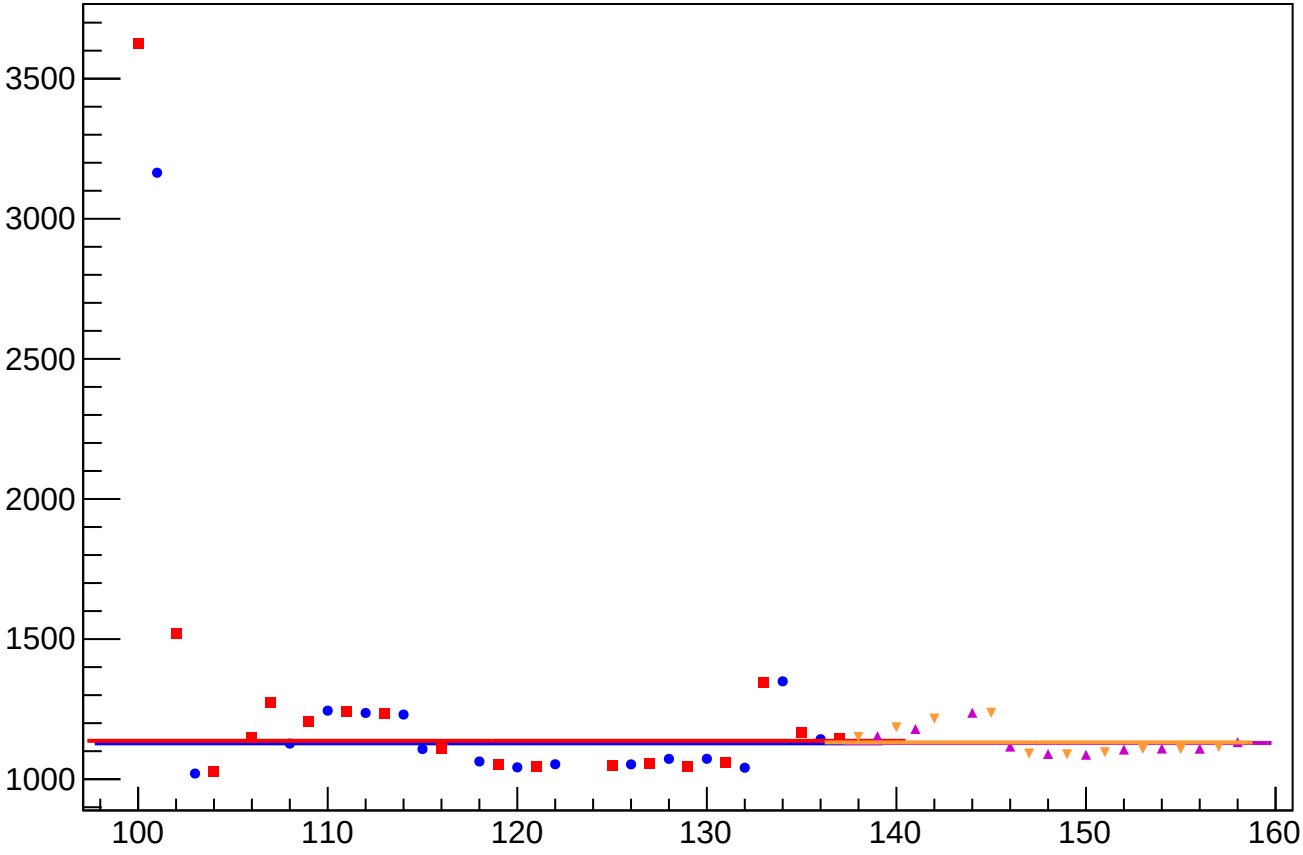
Left In: 871.854+/-382.605 χ^2/NDF:8.3/9

+ sign 177.756+/-293.981 χ^2/NDF: 31.4/25

All: 319.659+/-205.018 χ^2/NDF: 63.5/53

- sign 454.017+/-286.059 χ^2/NDF: 31.7/27

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1131.337+/-0.285 χ^2/NDF:28385.2/9

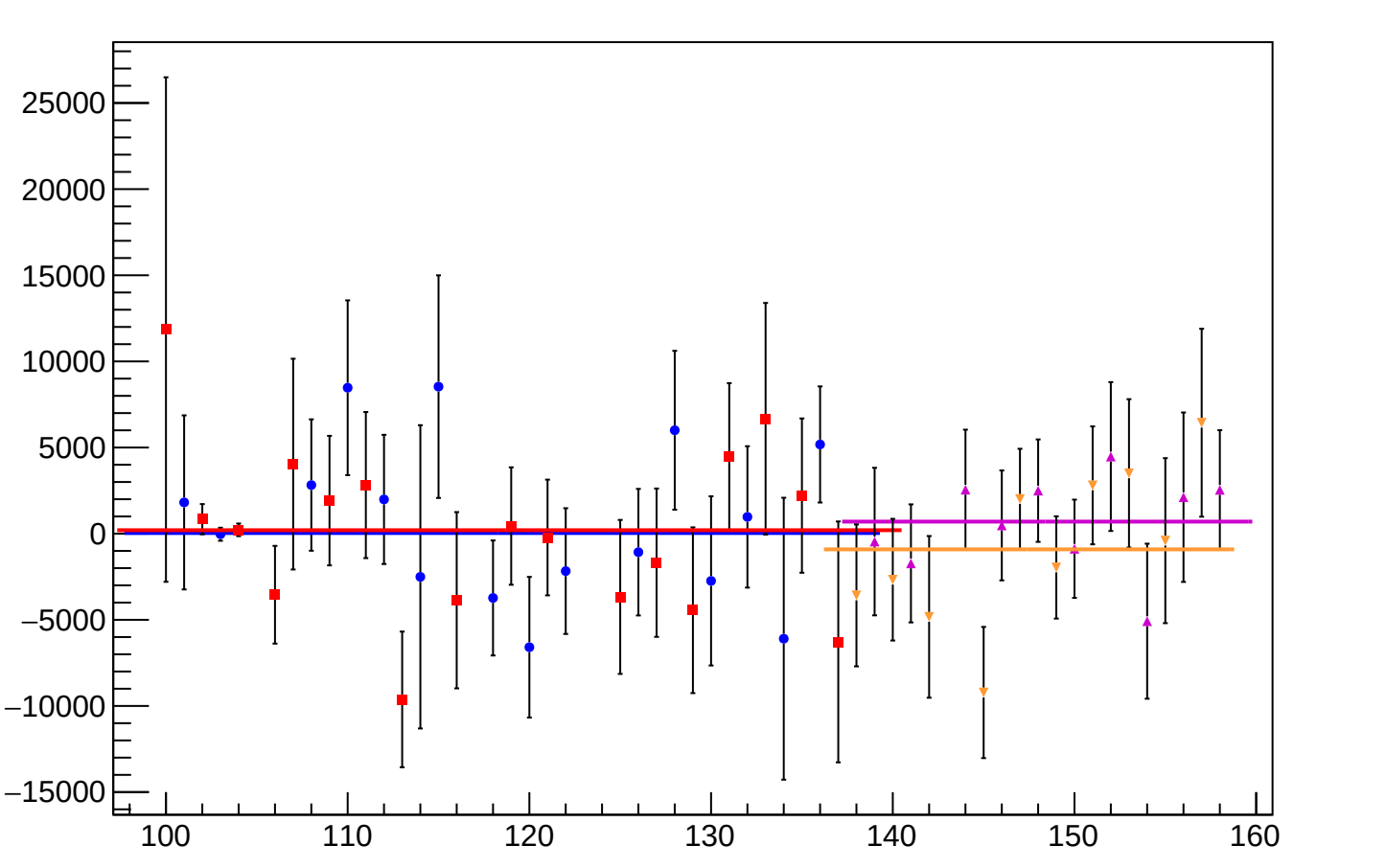
Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1129.257+/-0.271 χ^2/NDF:24652.3/9

+ sign 1129.774+/-0.208 χ^2/NDF: 649843.6/25

All: 1131.277+/-0.145 χ^2/NDF: 895049.4/53

- sign 1132.697+/-0.202 χ^2/NDF: 245104.2/27



Right In: 38.300+/-357.651 χ^2/NDF: 14.8/15

Left Out: -910.935+/-1194.033 χ^2/NDF:11.3/9

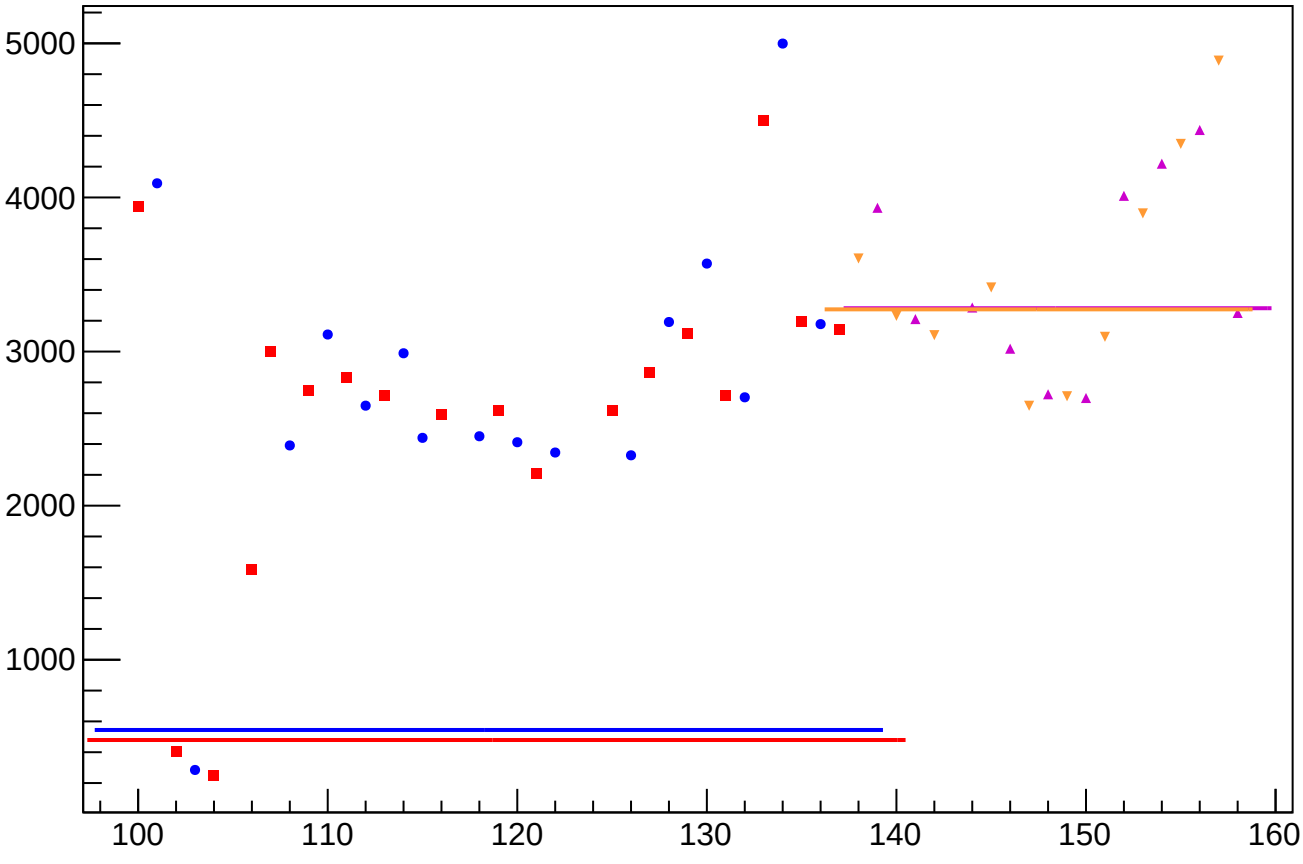
Right Out: 201.642+/-322.545 χ^2/NDF: 15.6/17

Left In: 700.799+/-1129.279 χ^2/NDF:4.3/9

+ sign -39.853+/-342.612 χ^2/NDF: 26.7/25

All: 113.570+/-229.928 χ^2/NDF: 47.2/53

- sign 239.291+/-310.142 χ^2/NDF: 20.1/27



Right In: 544.336+/-0.253 χ^2/NDF: 9682967.9/15

Left Out: 3273.847+/-0.844 χ^2/NDF:505889.1/9

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

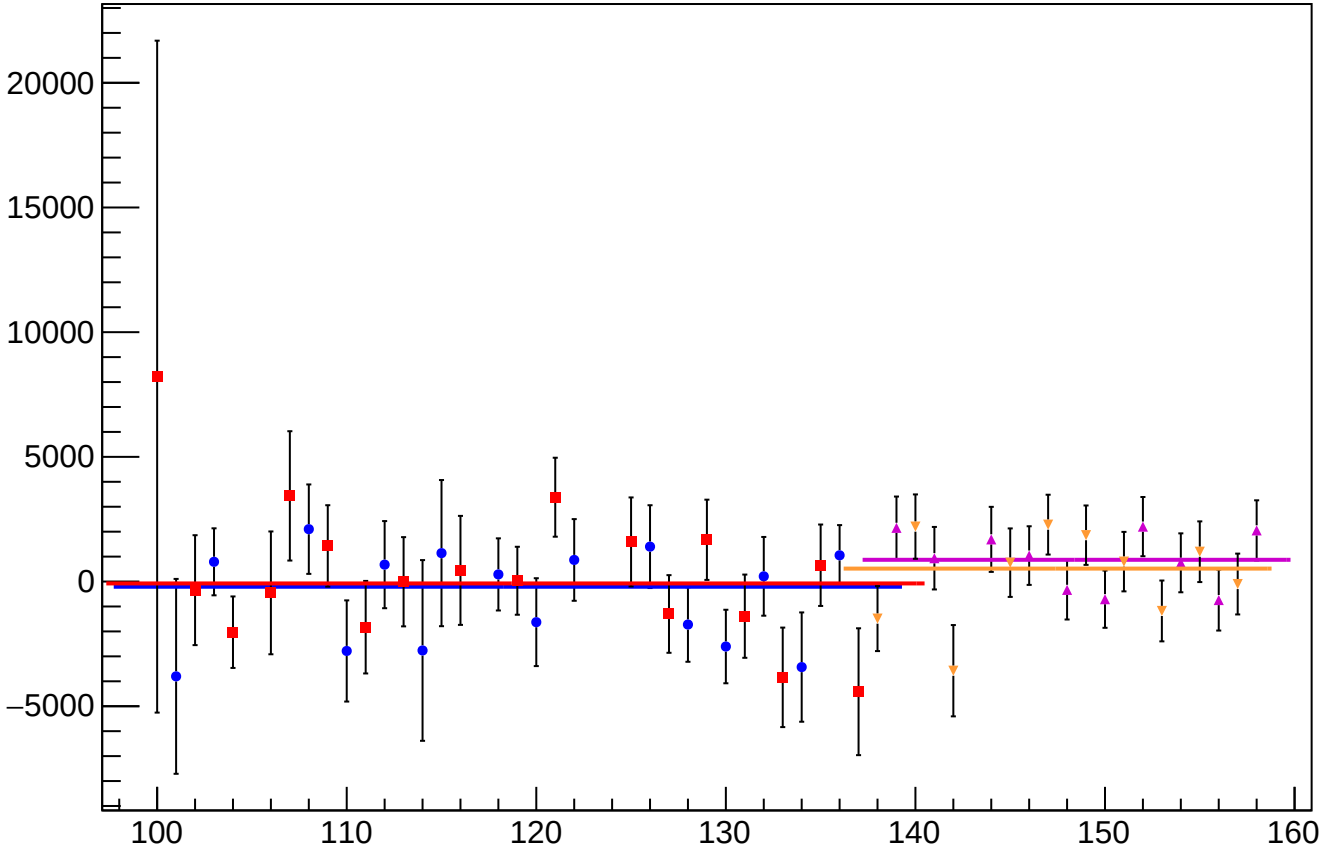
Left In: 3281.221+/-0.799 χ^2/NDF:469429.8/9

+ sign 769.064+/-0.242 χ^2/NDF: 19779601.6/25

All: 725.935+/-0.163 χ^2/NDF: 40878709.3/53

- sign 690.593+/-0.219 χ^2/NDF: 21041444.5/27

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 519.146+/-403.530 χ^2/NDF:15.1/9

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

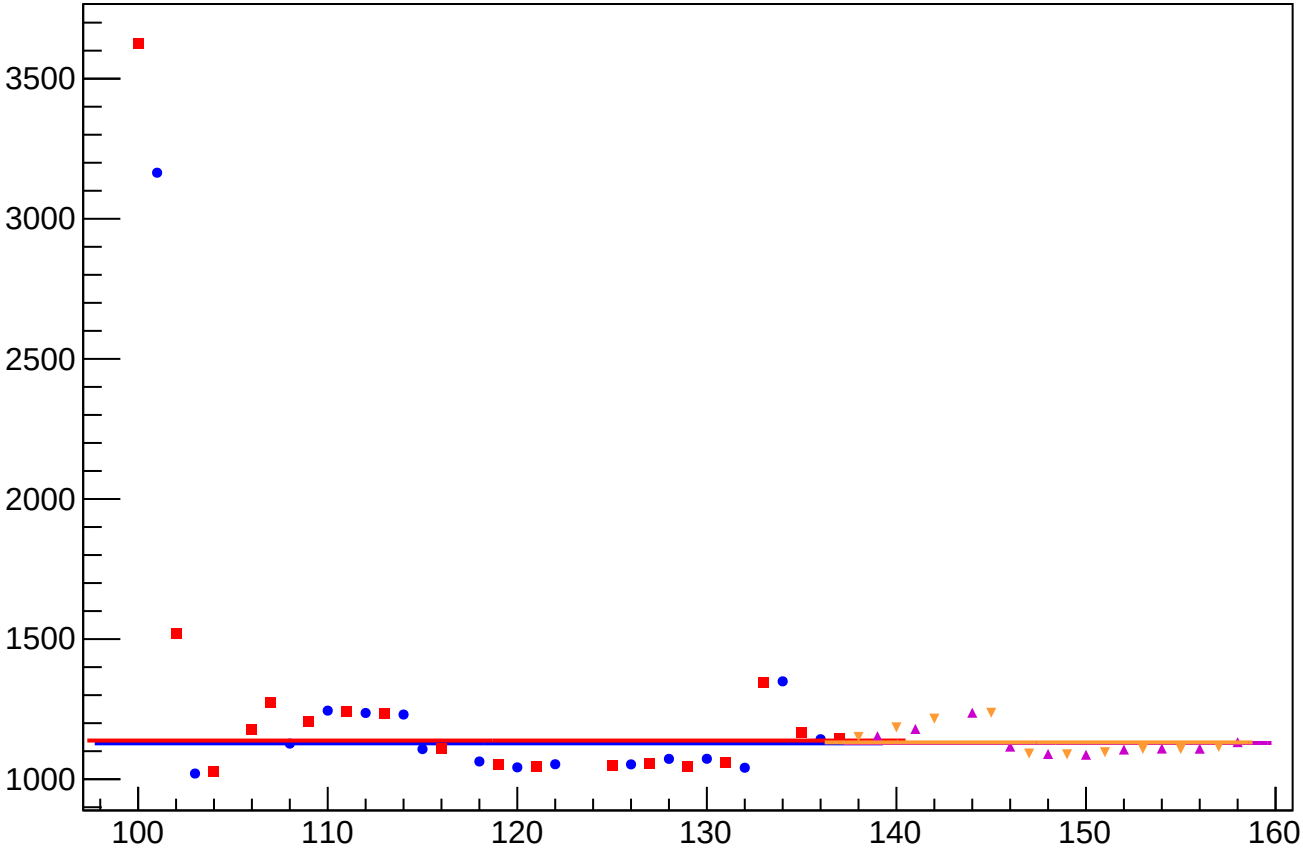
Left In: 871.921+/-382.605 χ^2/NDF:8.3/9

+ sign 177.877+/-293.981 χ^2/NDF: 31.4/25

All: 319.704+/-205.018 χ^2/NDF: 63.5/53

- sign 453.991+/-286.059 χ^2/NDF: 31.7/27

cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1131.337+/-0.285 χ^2/NDF:28385.2/9

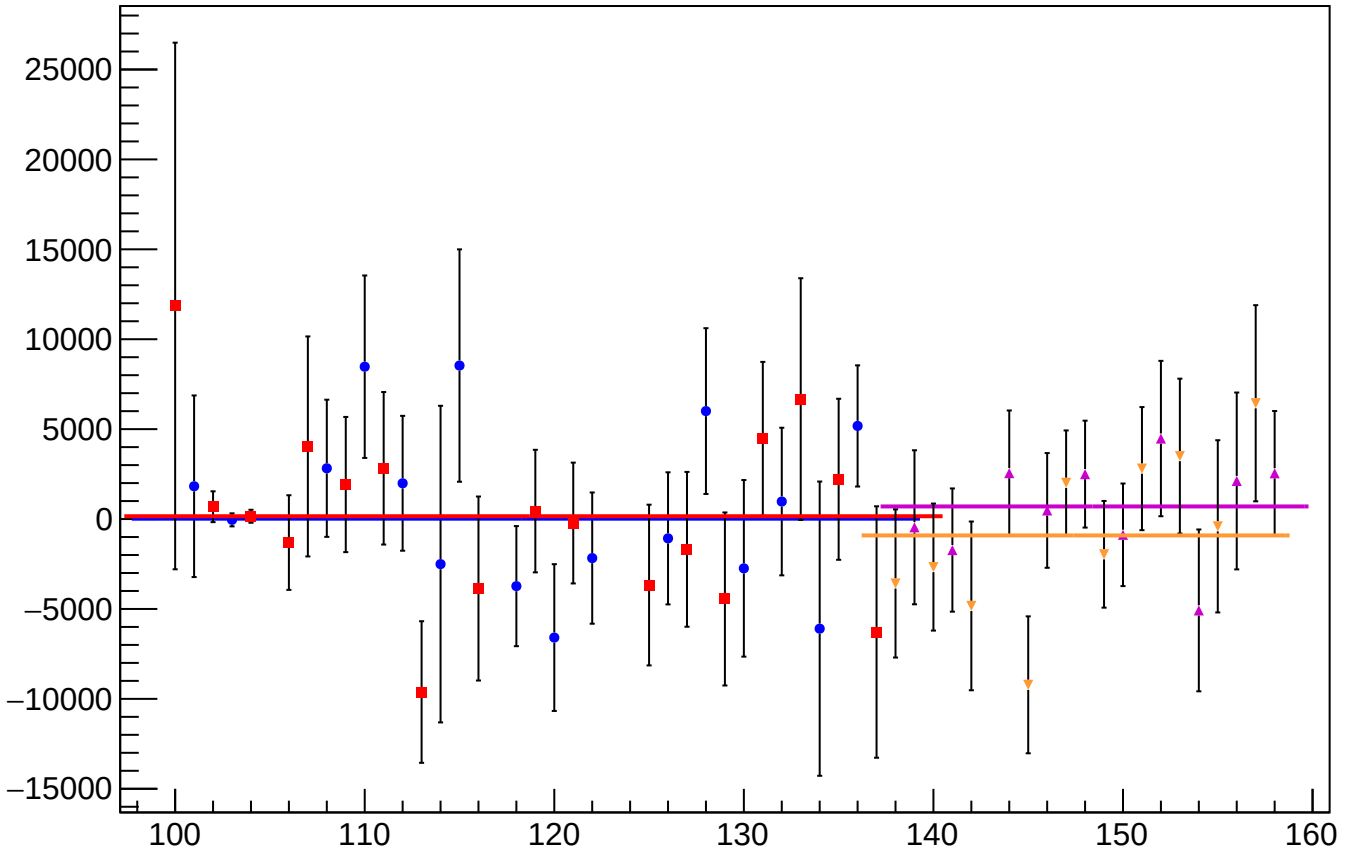
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1129.257+/-0.271 χ^2/NDF:24652.3/9

\+ sign 1129.774+/-0.208 χ^2/NDF: 649844.7/25

All: 1131.491+/-0.145 χ^2/NDF: 895714.9/53

\- sign 1133.115+/-0.202 χ^2/NDF: 245737.5/27



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -910.860+/-1194.032 χ^2/NDF:11.3/9

Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

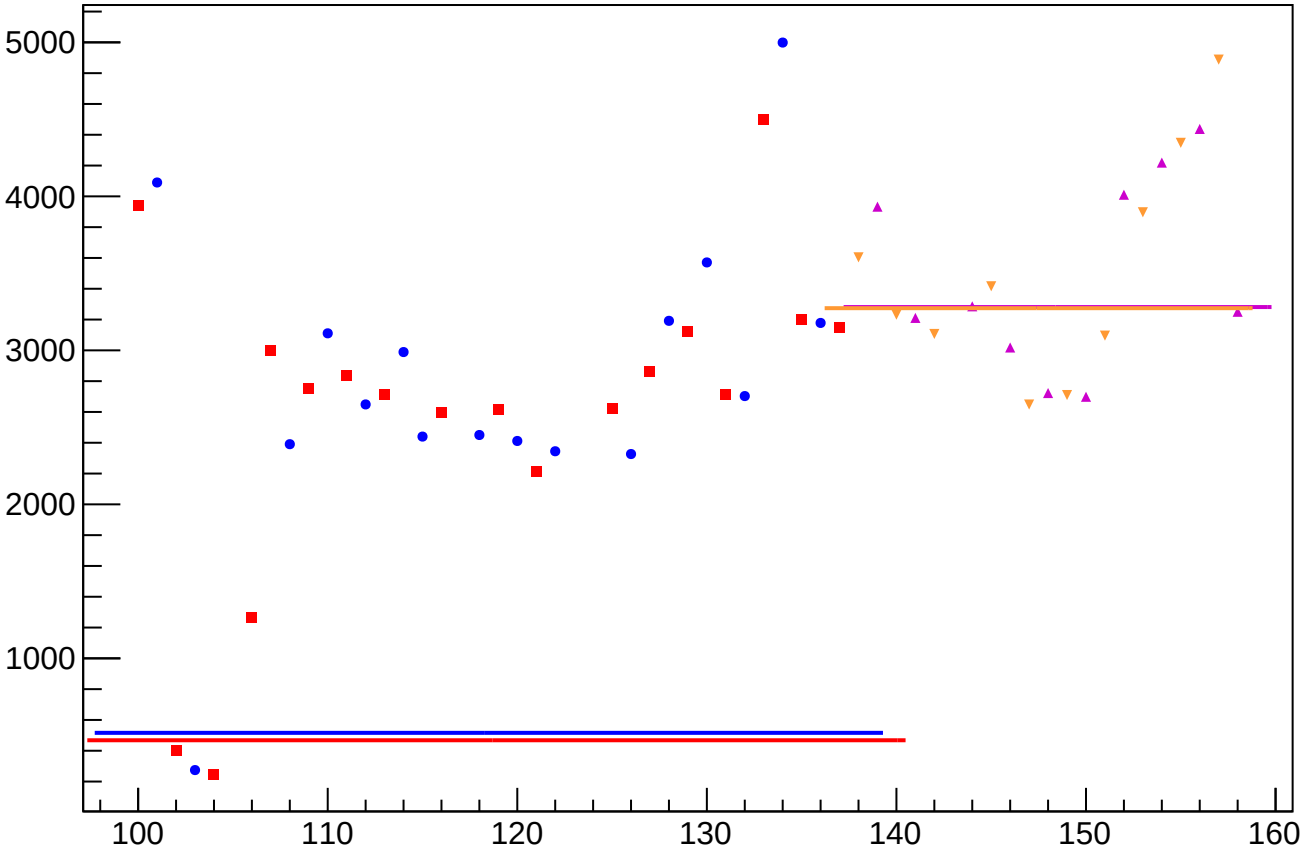
Left In: 700.799+/-1129.278 χ^2/NDF:4.3/9

\+ sign -50.024+/-331.021 χ^2/NDF: 26.7/25

All: 82.874+/-224.514 χ^2/NDF: 45.6/53

\- sign 196.093+/-305.531 χ^2/NDF: 18.5/27

asym_us_avg_atlr_avg_dd_cor_correction_rms vs Slug



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3273.844+/-0.844 χ^2/NDF:505890.8/9

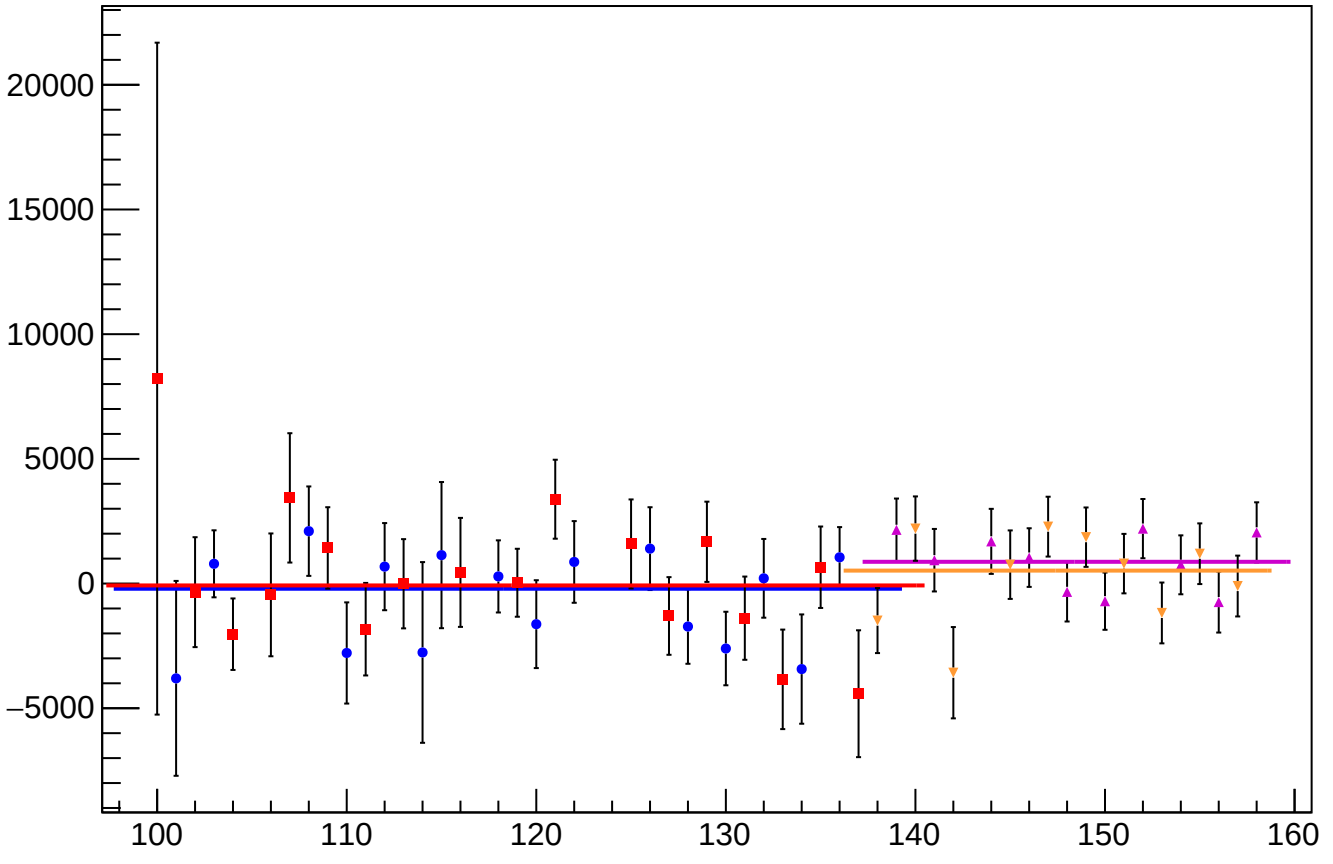
Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3281.219+/-0.799 χ^2/NDF:469433.4/9

+ sign 728.232+/-0.234 χ^2/NDF: 20187772.7/25

All: 698.938+/-0.159 χ^2/NDF: 41300223.3/53

- sign 673.982+/-0.216 χ^2/NDF: 21083444.0/27



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 519.146+/-403.530 χ^2/NDF:15.1/9

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

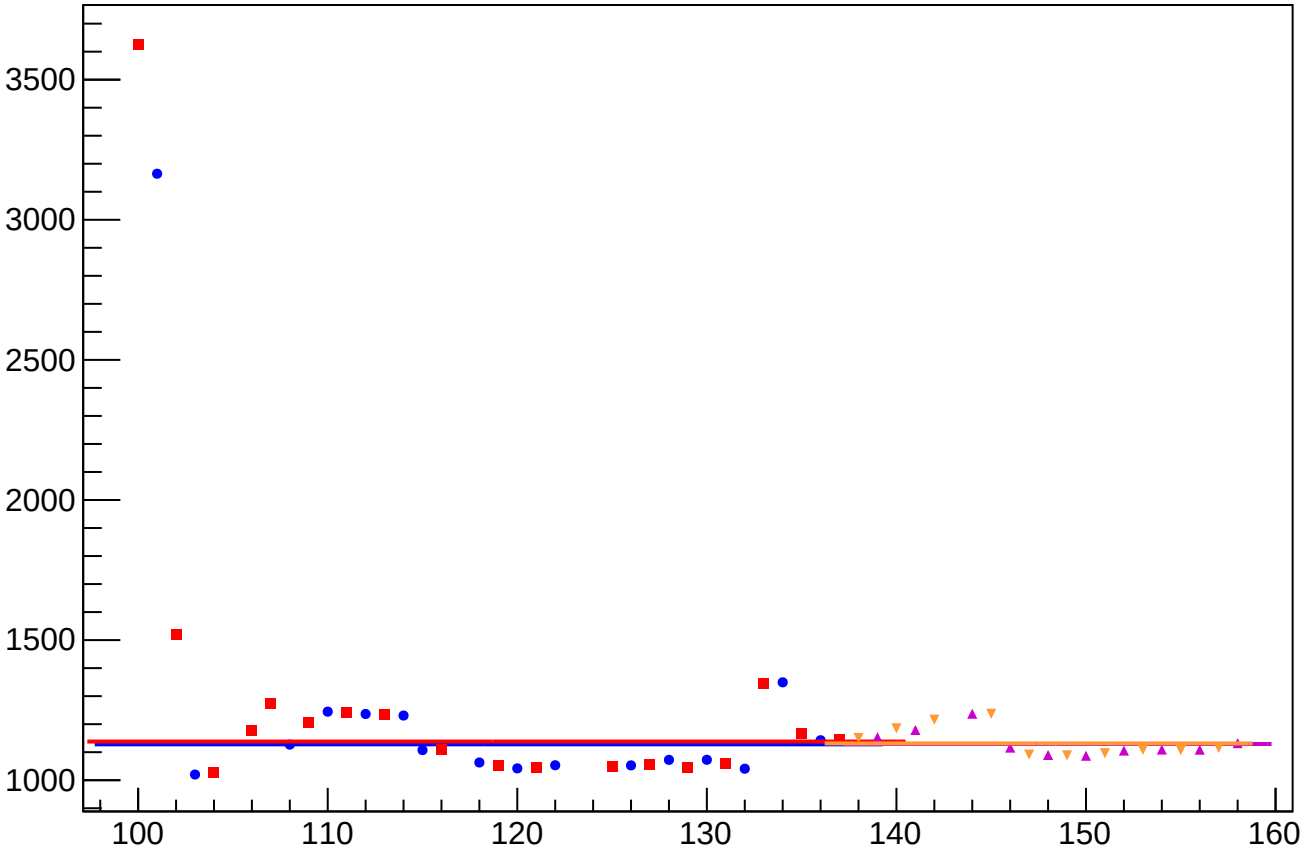
Left In: 871.921+/-382.605 χ^2/NDF:8.3/9

+ sign 177.877+/-293.981 χ^2/NDF: 31.4/25

All: 319.704+/-205.018 χ^2/NDF: 63.5/53

- sign 453.991+/-286.059 χ^2/NDF: 31.7/27

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1131.337+/-0.285 χ^2/NDF:28385.2/9

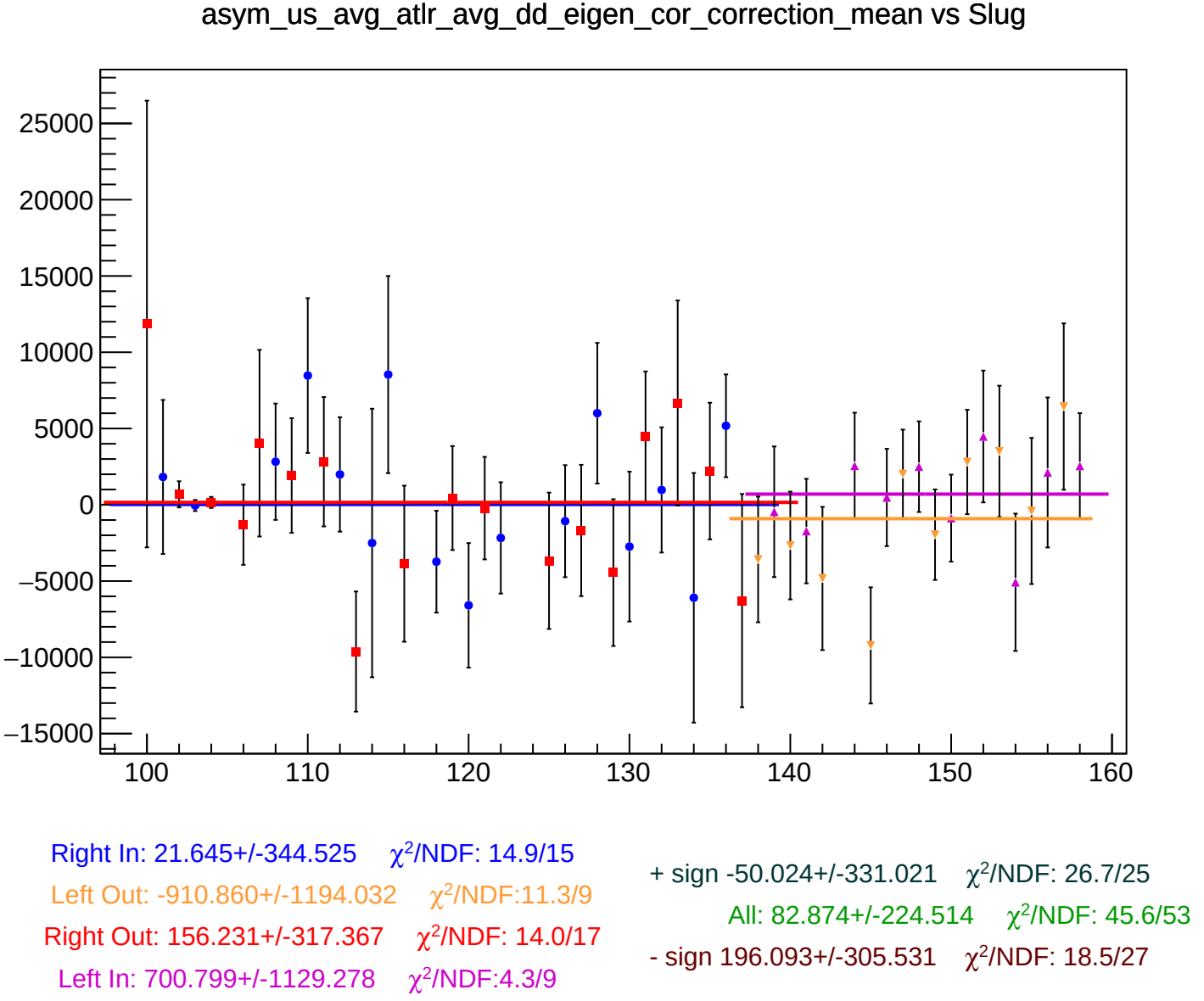
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

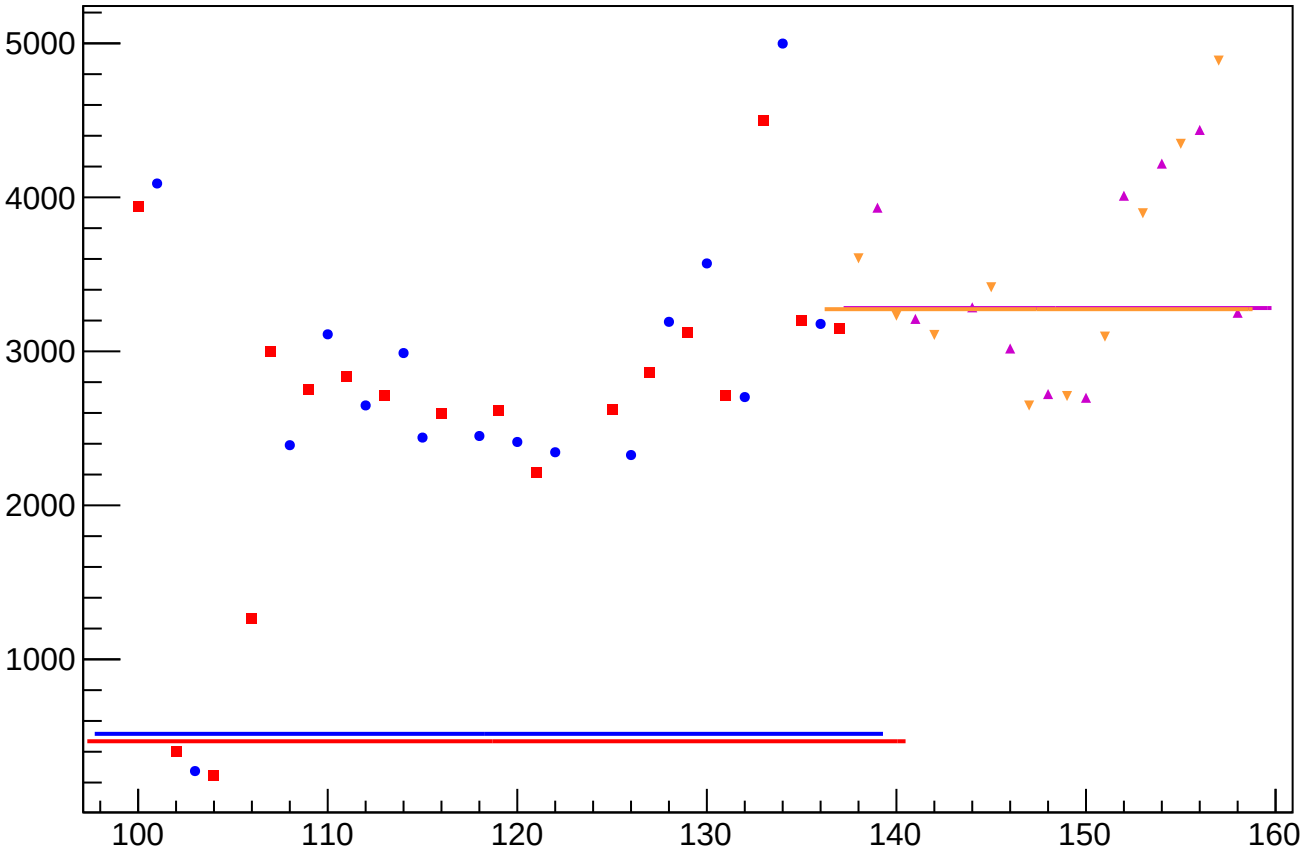
Left In: 1129.257+/-0.271 χ^2/NDF:24652.3/9

+ sign 1129.774+/-0.208 χ^2/NDF: 649844.7/25

All: 1131.491+/-0.145 χ^2/NDF: 895714.9/53

- sign 1133.115+/-0.202 χ^2/NDF: 245737.5/27


asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 21.645+/-344.525 χ²/NDF: 14.9/15
Left Out: -910.860+/-1194.032 χ²/NDF:11.3/9
Right Out: 156.231+/-317.367 χ²/NDF: 14.0/17
Left In: 700.799+/-1129.278 χ²/NDF:4.3/9
+ sign -50.024+/-331.021 χ²/NDF: 26.7/25
All: 82.874+/-224.514 χ²/NDF: 45.6/53
- sign 196.093+/-305.531 χ²/NDF: 18.5/27



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3273.844+/-0.844 χ^2/NDF:505890.8/9

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

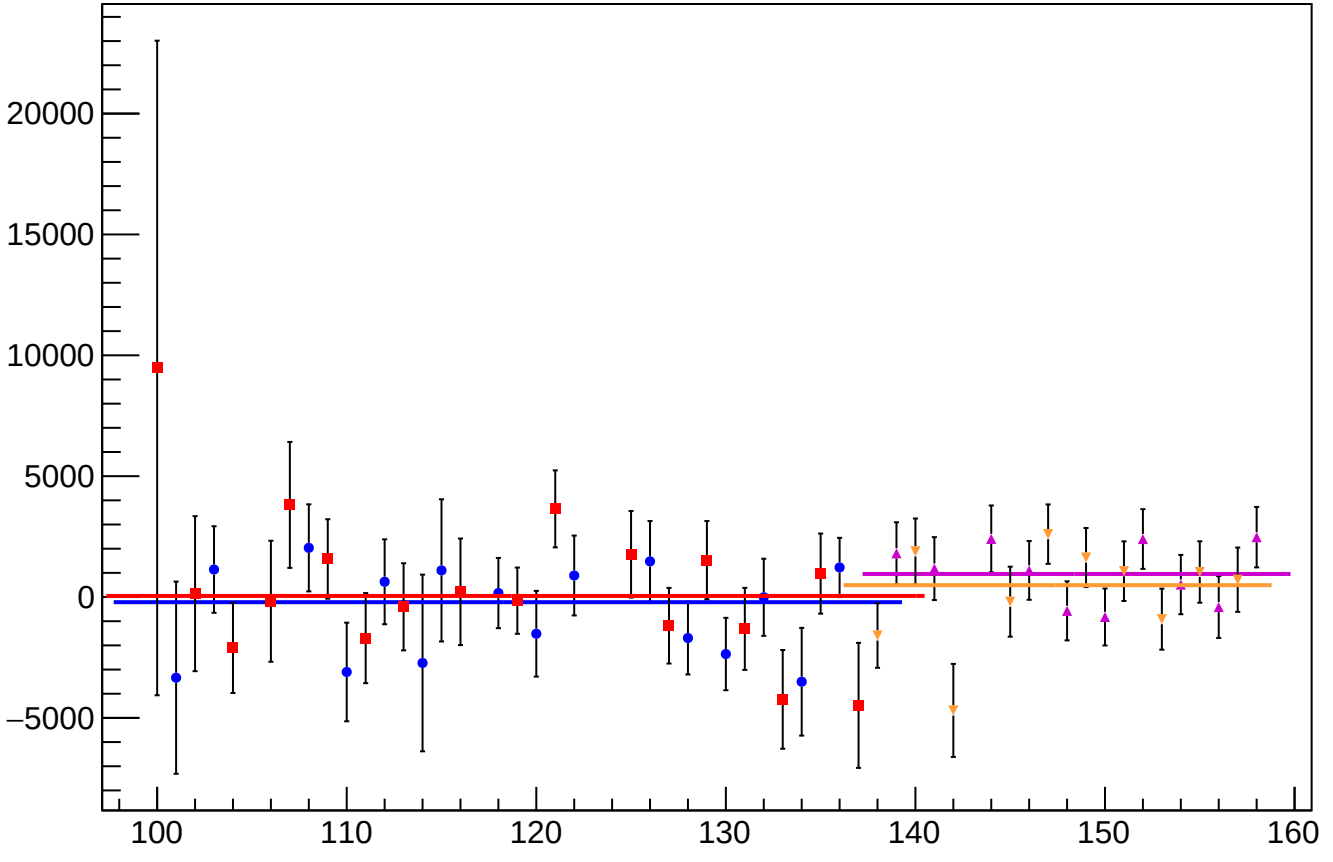
Left In: 3281.219+/-0.799 χ^2/NDF:469433.4/9

+ sign 728.232+/-0.234 χ^2/NDF: 20187772.7/25

All: 698.938+/-0.159 χ^2/NDF: 41300223.3/53

- sign 673.982+/-0.216 χ^2/NDF: 21083444.0/27

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -213.079+/-442.684 χ^2/NDF: 14.3/15

Left Out: 490.727+/-420.803 χ^2/NDF:16.5/9

Right Out: 45.535+/-447.221 χ^2/NDF: 21.7/17

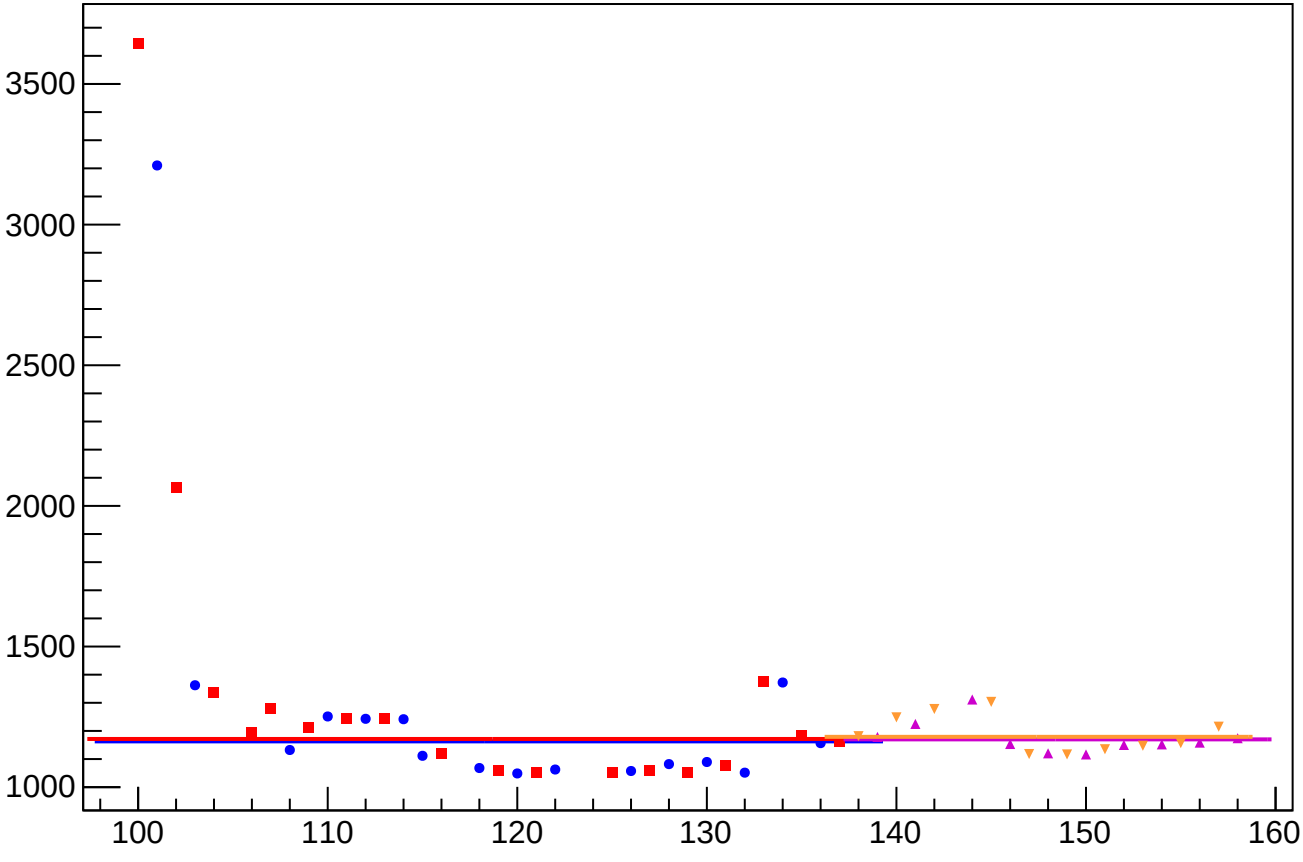
Left In: 954.074+/-396.541 χ^2/NDF:9.6/9

+ sign 156.647+/-304.995 χ^2/NDF: 32.1/25

All: 360.890+/-212.672 χ^2/NDF: 66.5/53

- sign 554.179+/-296.704 χ^2/NDF: 33.5/27

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1179.002+/-0.298 χ^2/NDF:41319.7/9

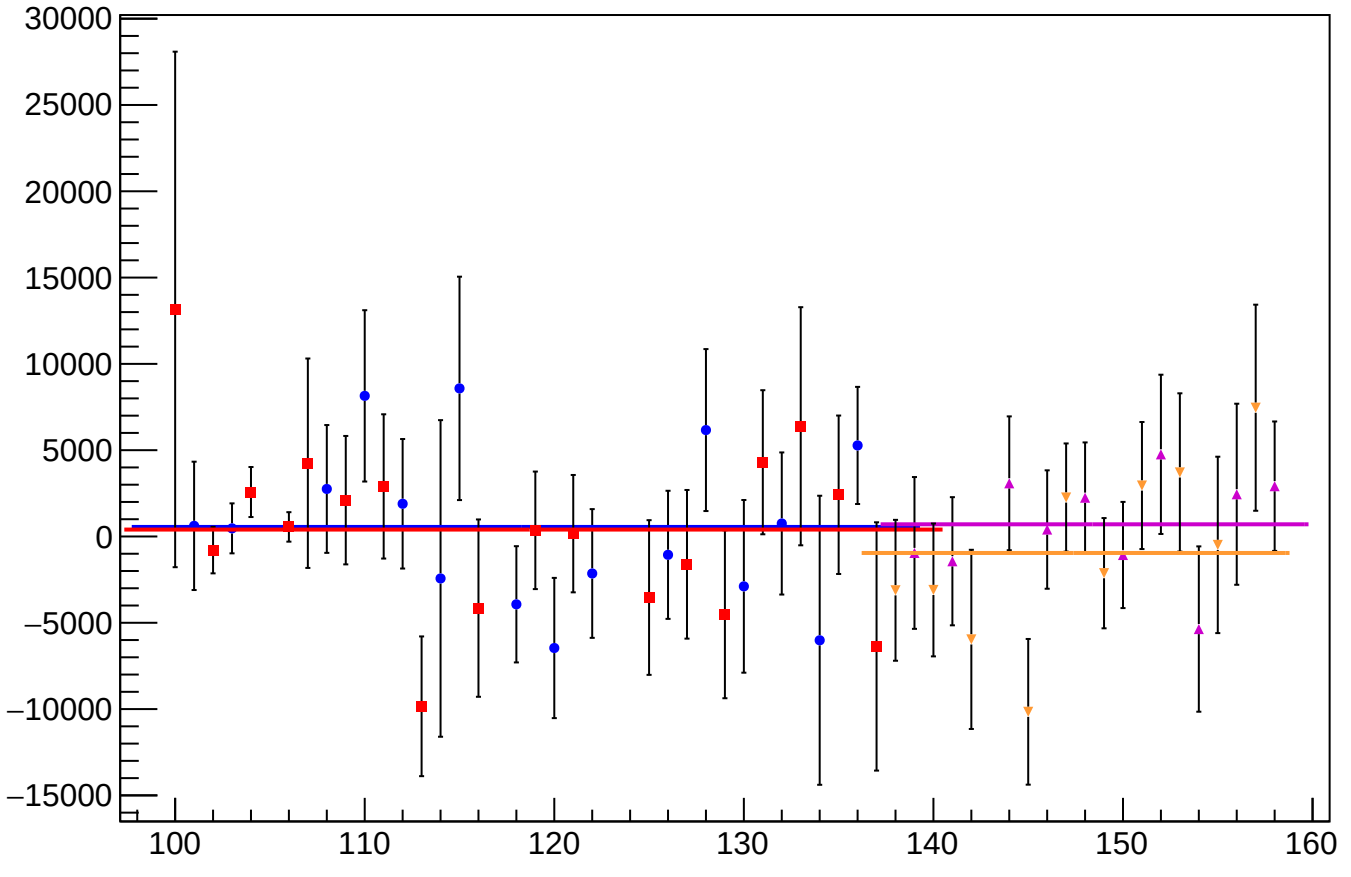
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1169.968+/-0.280 χ^2/NDF:33578.1/9

+ sign 1171.335+/-0.216 χ^2/NDF: 678071.6/25

All: 1170.961+/-0.150 χ^2/NDF: 1043308.1/53

- sign 1170.607+/-0.210 χ^2/NDF: 365230.7/27



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: -955.337+/-1281.945 χ^2/NDF:11.6/9

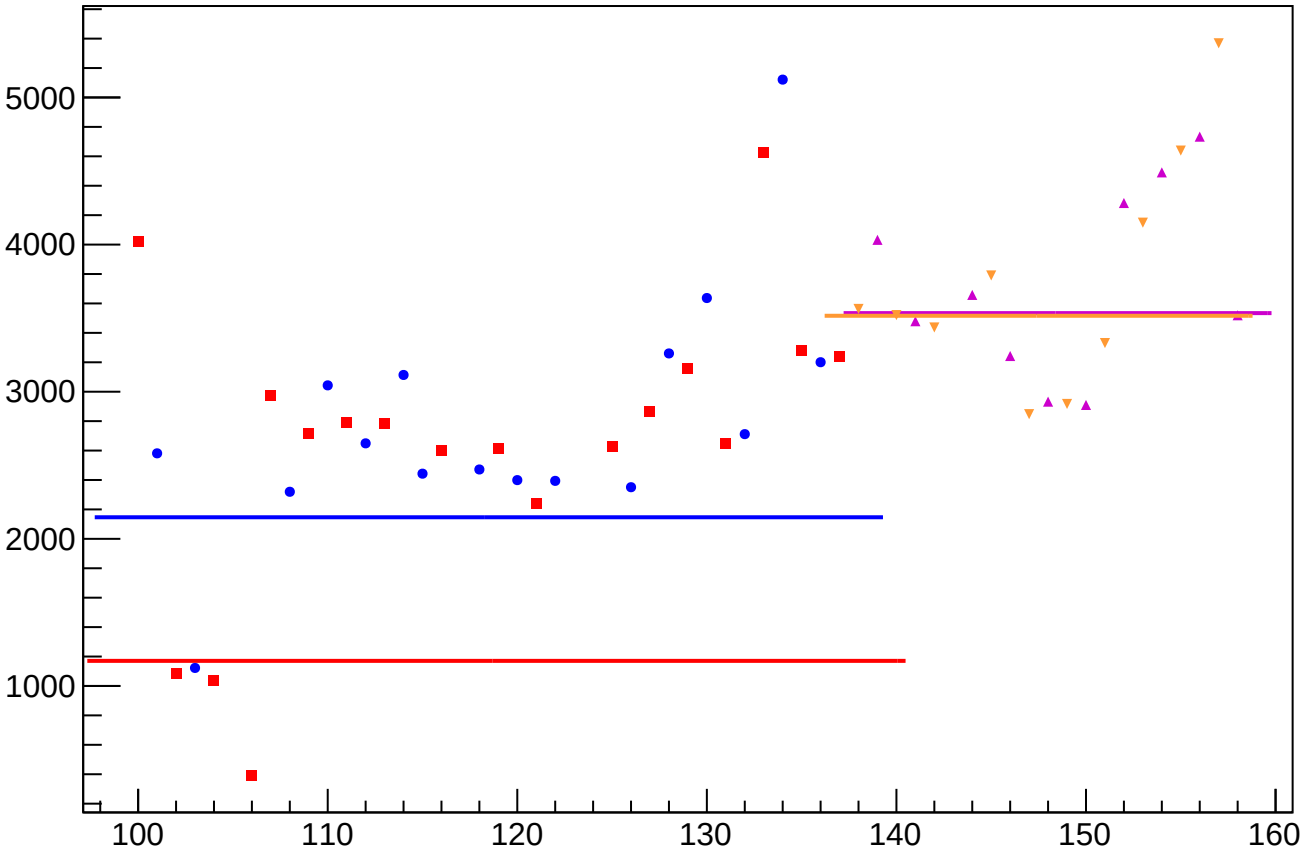
Right Out: 400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: 705.517+/-1215.292 χ^2/NDF:4.3/9

\+ sign 73.946+/-722.209 χ^2/NDF: 27.0/25

All: 327.078+/-418.221 χ^2/NDF: 48.1/53

\- sign 454.791+/-512.987 χ^2/NDF: 21.0/27



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3516.221+/-0.906 χ^2/NDF:502957.3/9

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

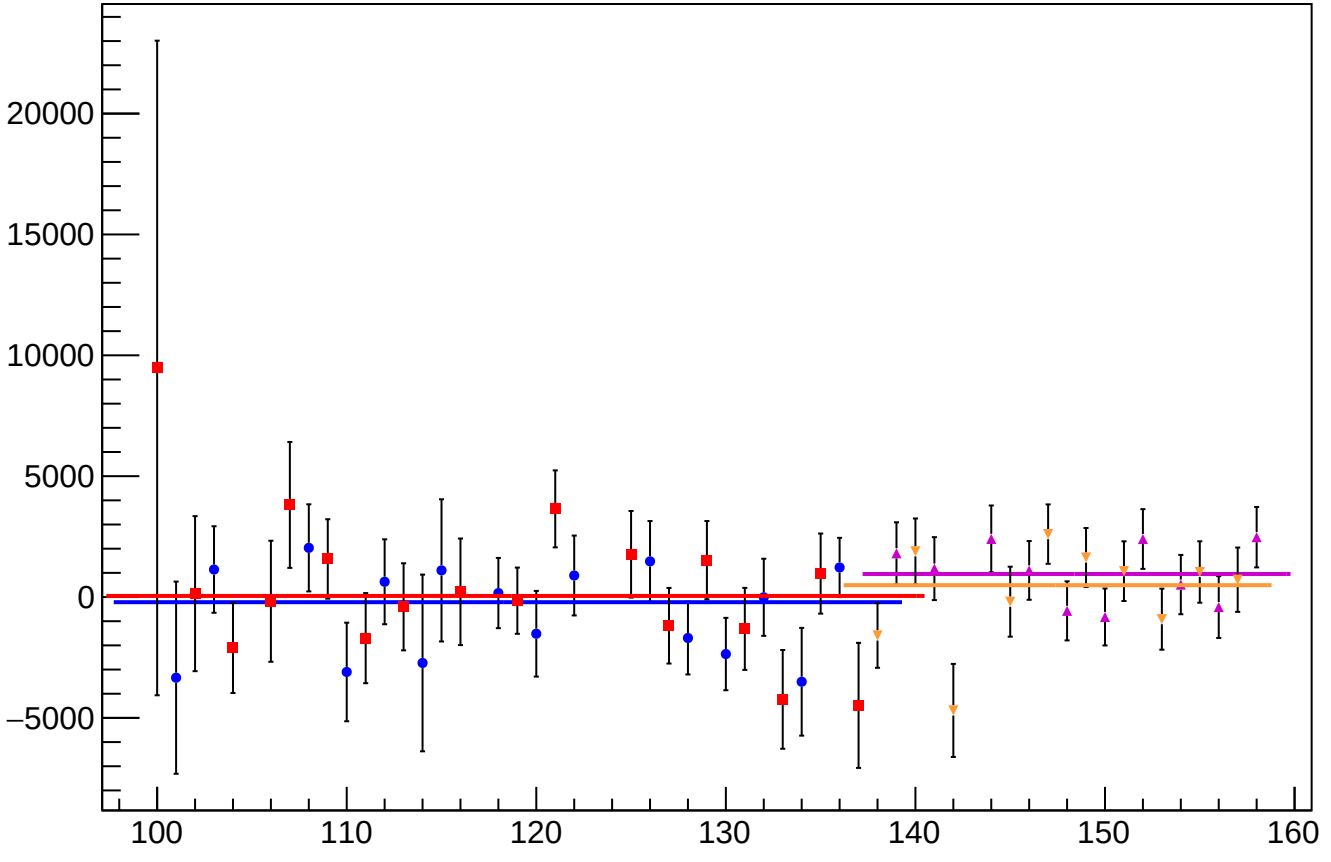
Left In: 3534.233+/-0.859 χ^2/NDF:432575.6/9

+ sign 2581.309+/-0.511 χ^2/NDF: 4036004.6/25

All: 1923.572+/-0.296 χ^2/NDF: 18999378.9/5

- sign 1591.723+/-0.363 χ^2/NDF: 12467572.1/27

eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -213.082+/-442.684 χ^2/NDF: 14.3/15

Left Out: 490.723+/-420.804 χ^2/NDF:16.5/9

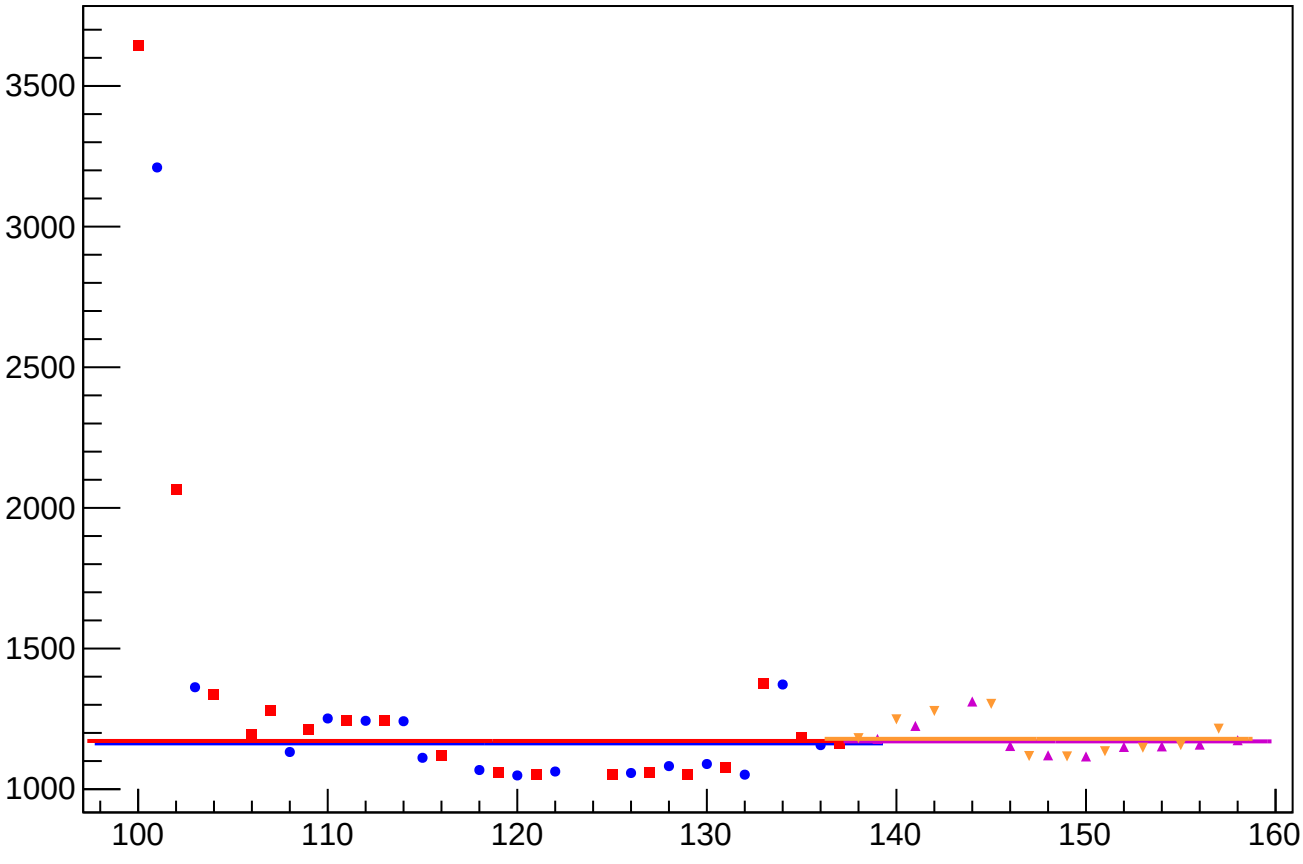
Right Out: 45.539+/-447.221 χ^2/NDF: 21.7/17

Left In: 954.073+/-396.541 χ^2/NDF:9.6/9

+ sign 156.643+/-304.995 χ^2/NDF: 32.1/25

All: 360.889+/-212.672 χ^2/NDF: 66.5/53

- sign 554.180+/-296.704 χ^2/NDF: 33.5/27



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.6/15

Left Out: 1179.002+/-0.298 χ^2/NDF:41320.2/9

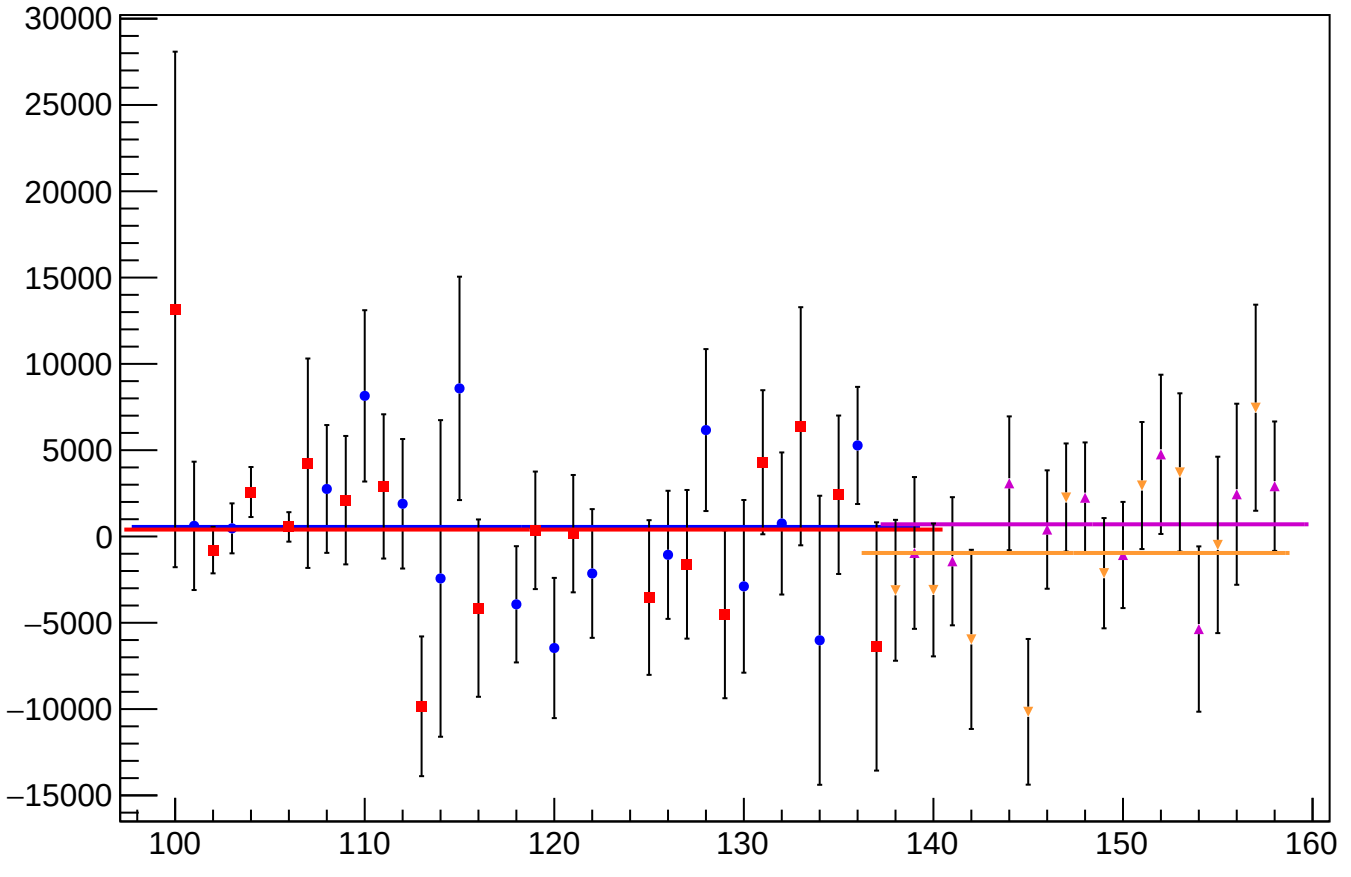
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1169.969+/-0.280 χ^2/NDF:33578.3/9

+ sign 1171.336+/-0.216 χ^2/NDF: 678072.3/25

All: 1170.962+/-0.150 χ^2/NDF: 1043308.7/53

- sign 1170.608+/-0.210 χ^2/NDF: 365230.5/27



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: -955.339+/-1281.946 χ^2/NDF:11.6/9

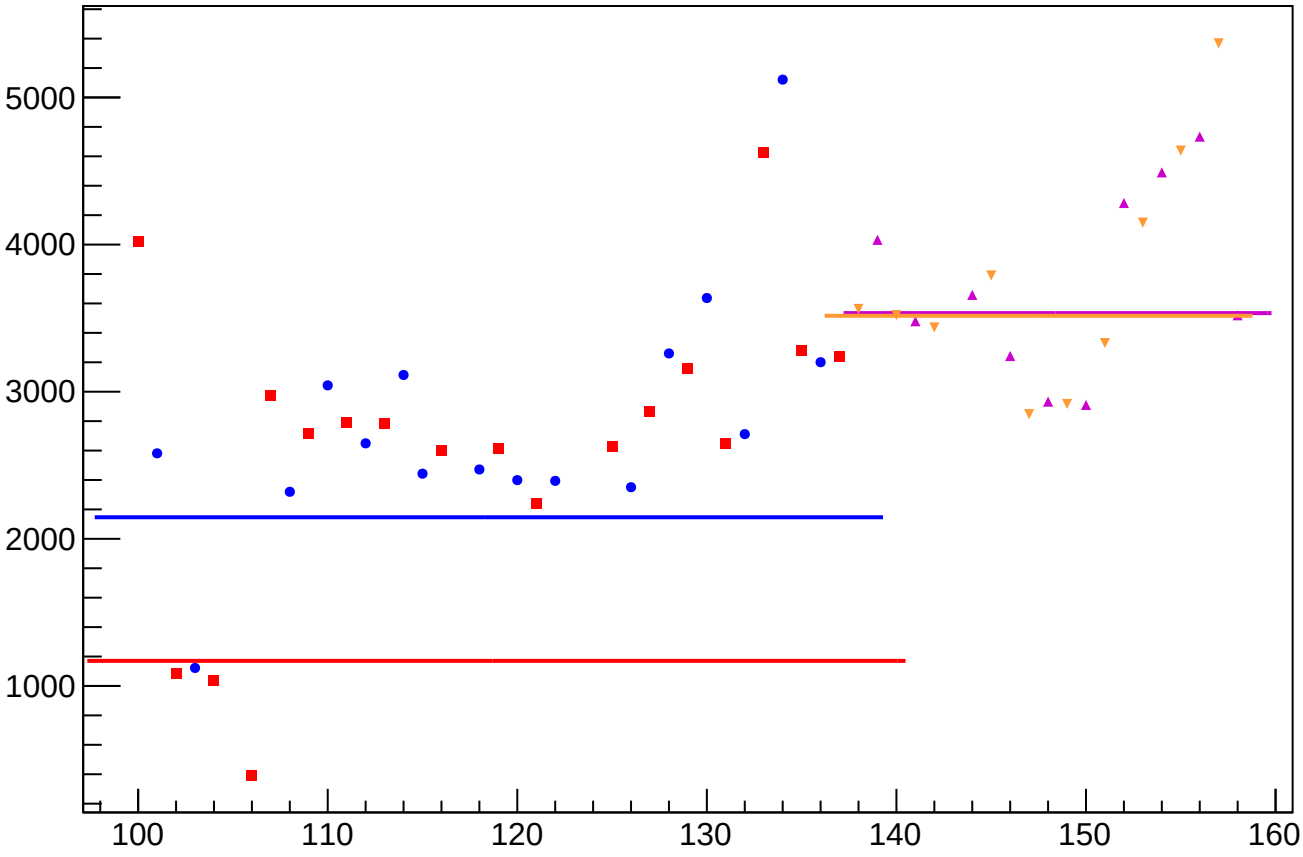
Right Out: 400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: 705.516+/-1215.293 χ^2/NDF:4.3/9

\+ sign 73.943+/-722.208 χ^2/NDF: 27.0/25

All: 327.078+/-418.218 χ^2/NDF: 48.1/53

\- sign 454.791+/-512.982 χ^2/NDF: 21.0/27



Right In: 2146.613+/-0.618 χ^2/NDF: 1974719.3/15

Left Out: 3516.225+/-0.906 χ^2/NDF:502957.7/9

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

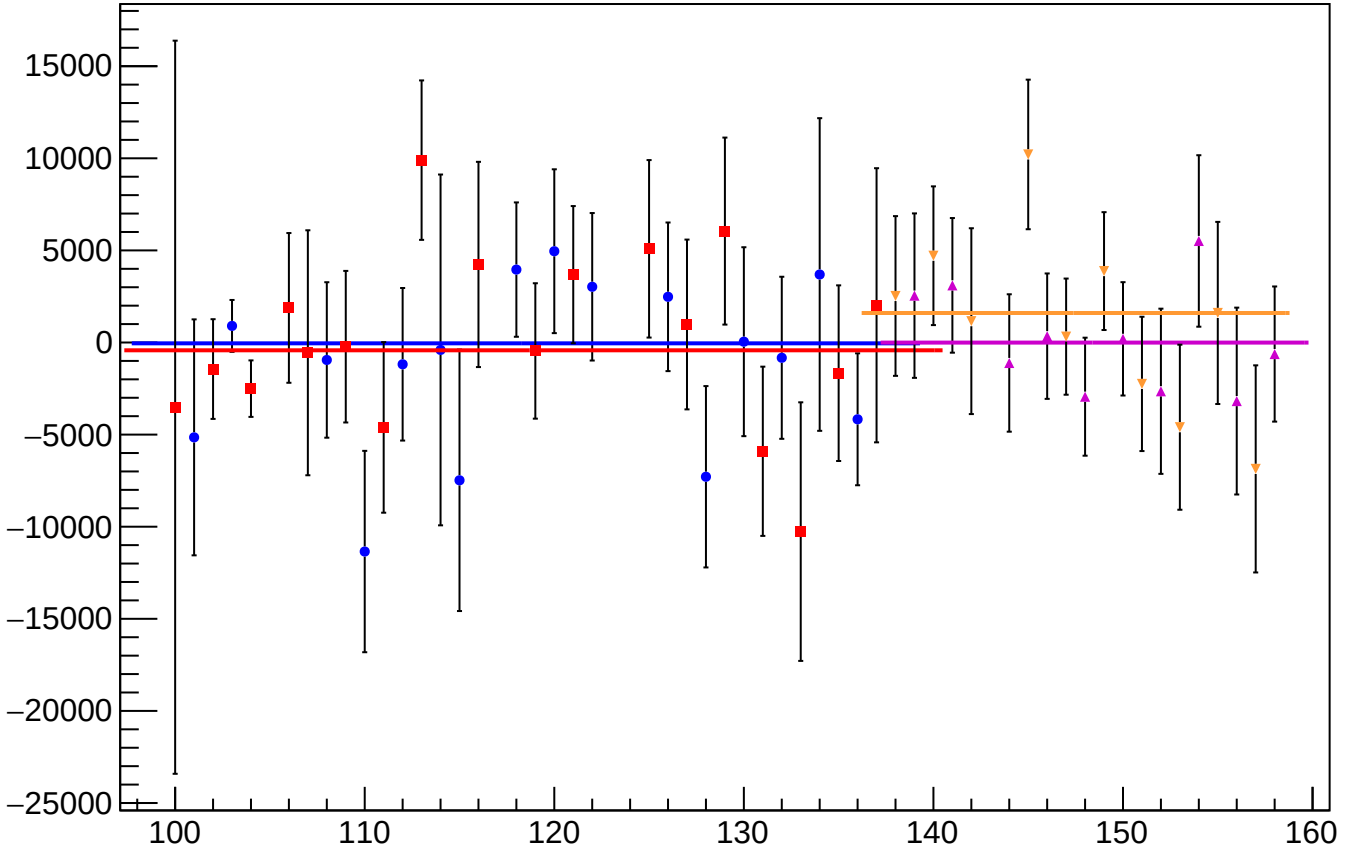
Left In: 3534.237+/-0.859 χ^2/NDF:432575.7/9

+ sign 2581.306+/-0.511 χ^2/NDF: 4036015.2/25

All: 1923.549+/-0.296 χ^2/NDF: 18999817.7/5

- sign 1591.696+/-0.363 χ^2/NDF: 12467855.9/27

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -44.874+/-920.736 χ^2/NDF: 13.7/15

Left Out: 1601.974+/-1270.369 χ^2/NDF:11.2/9

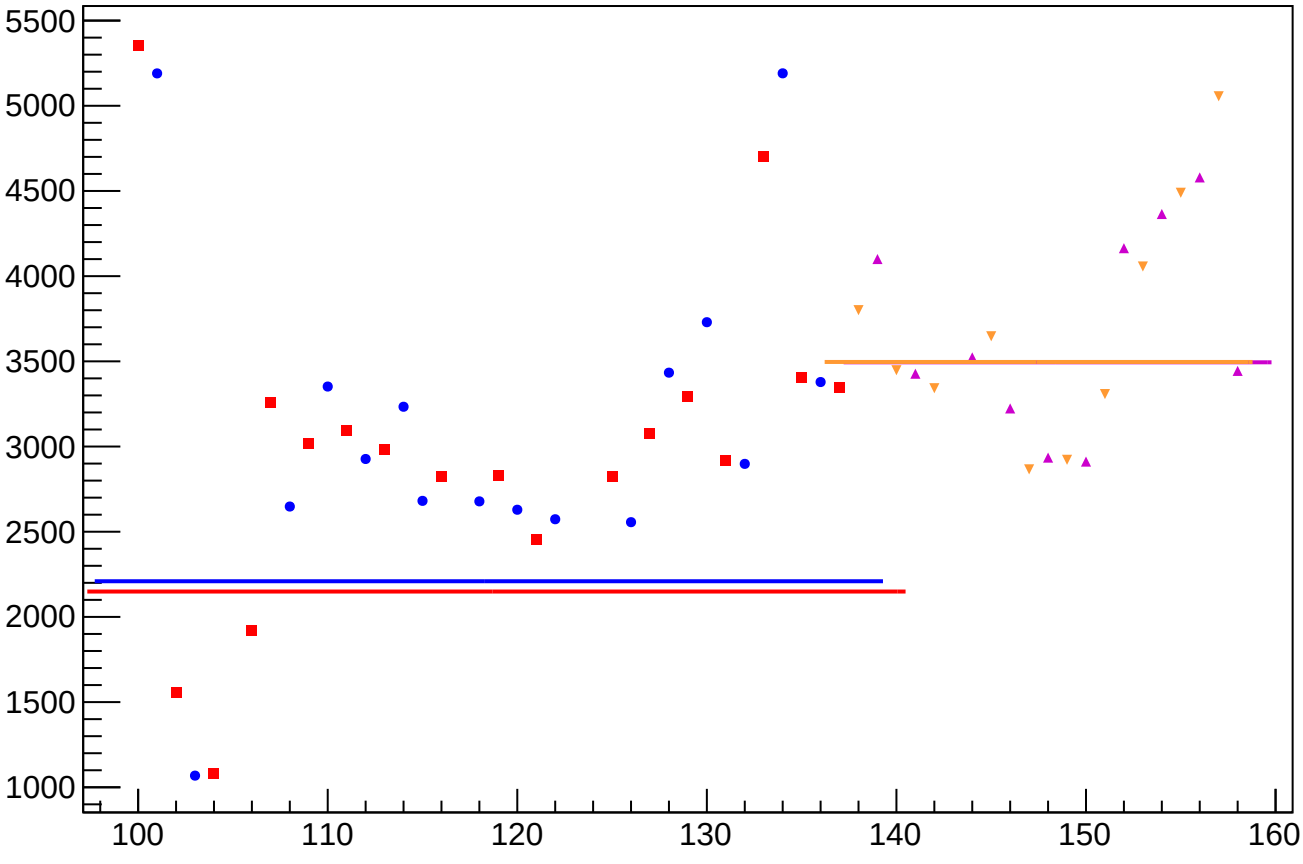
Right Out: -423.476+/-896.736 χ^2/NDF: 17.3/17

Left In: -4.803+/-1199.160 χ^2/NDF:4.2/9

+ sign 522.289+/-745.516 χ^2/NDF: 26.0/25

All: 109.612+/-517.211 χ^2/NDF: 48.2/53

- sign -273.319+/-718.145 χ^2/NDF: 21.6/27



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3496.392+/-0.898 χ^2/NDF:430384.3/9

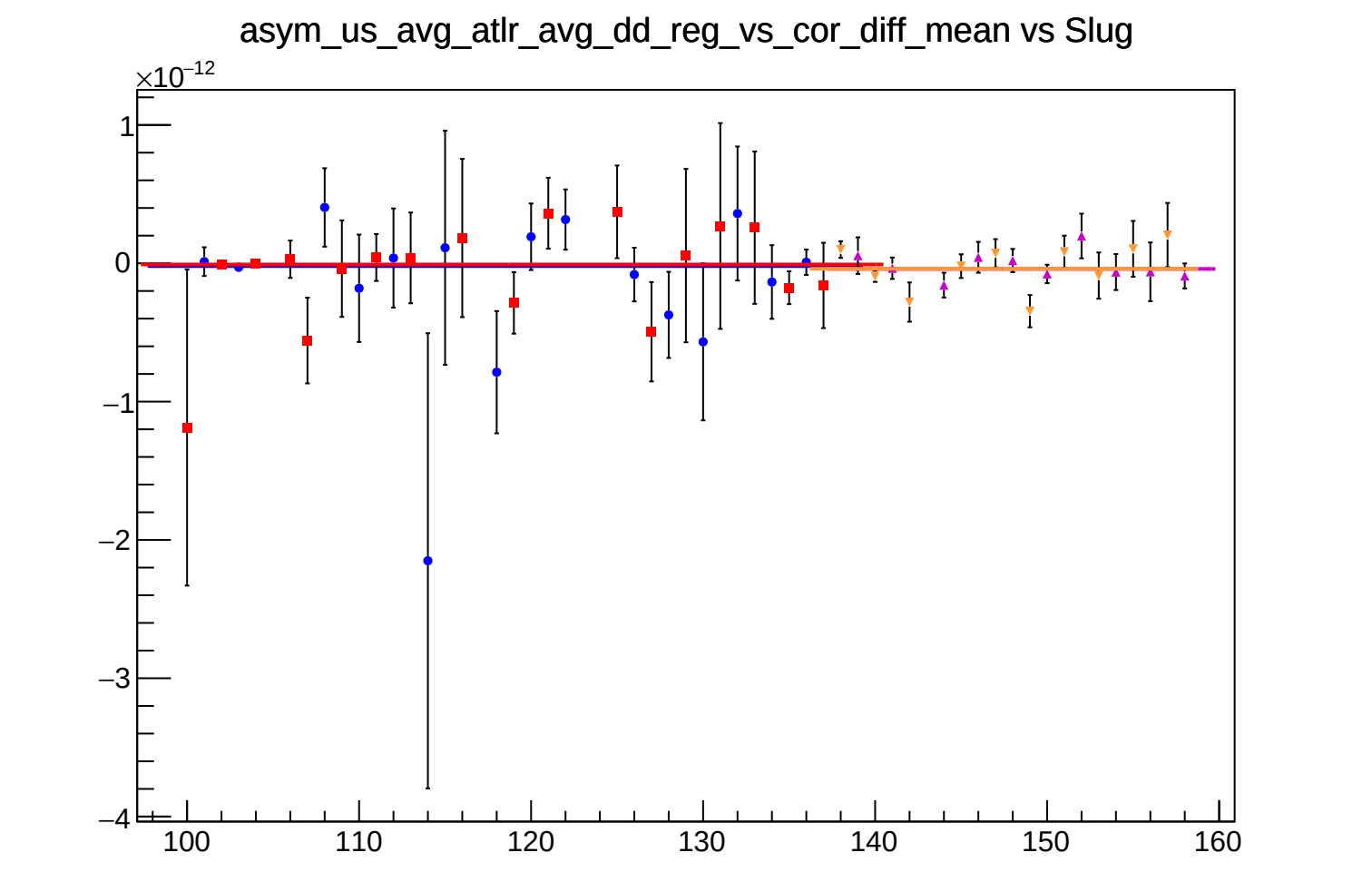
Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

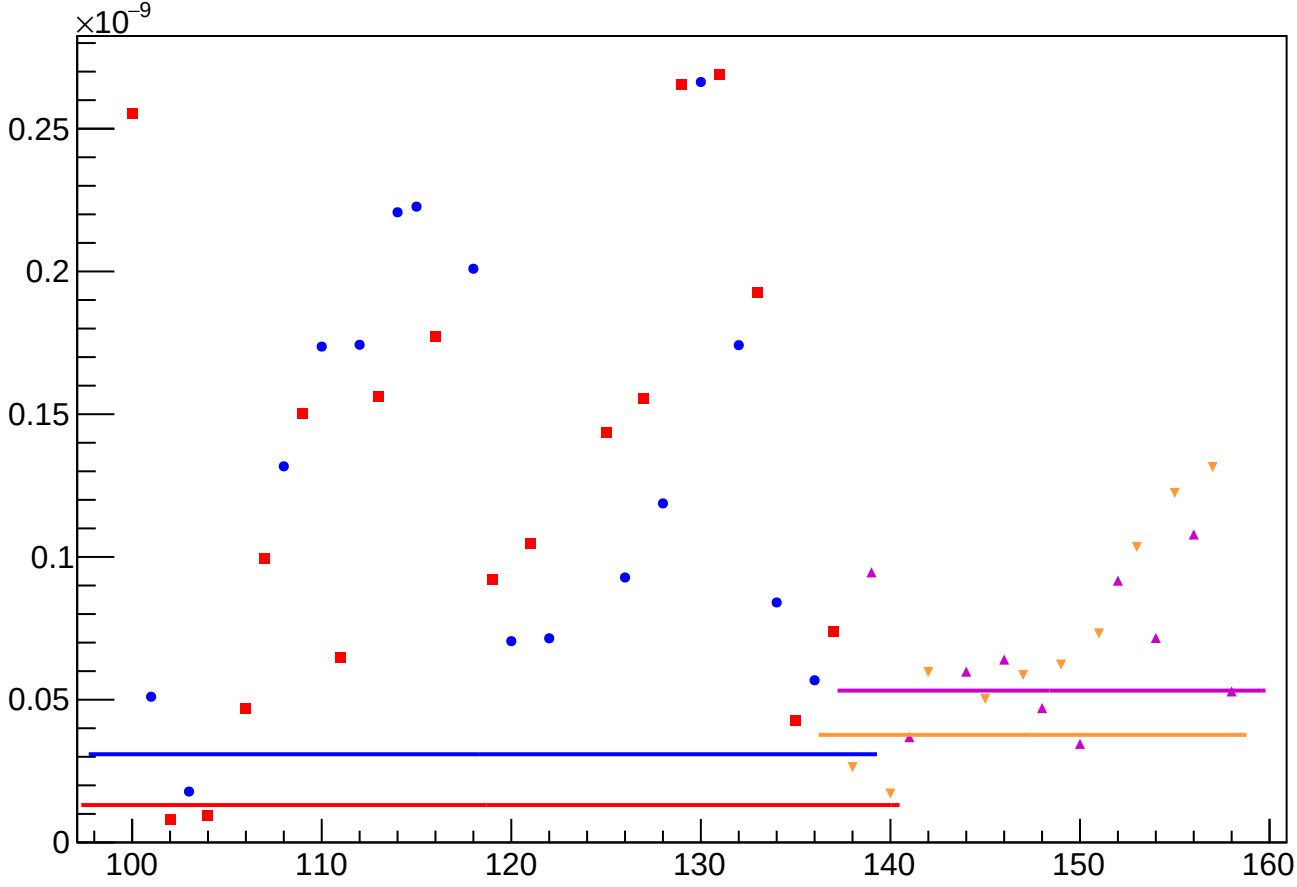
Left In: 3494.361+/-0.848 χ^2/NDF:389538.8/9

+ sign 2652.596+/-0.527 χ^2/NDF: 4613122.4/25

All: 2640.857+/-0.365 χ^2/NDF: 8890712.7/53

- sign 2629.998+/-0.507 χ^2/NDF: 4276635.8/27


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 13.7/15
Left Out: -0.000+/-0.000 χ²/NDF:20.9/9
Right Out: -0.000+/-0.000 χ²/NDF: 14.0/17
Left In: -0.000+/-0.000 χ²/NDF:6.1/9
+ sign -0.000+/-0.000 χ²/NDF: 34.9/25
All: -0.000+/-0.000 χ²/NDF: 56.3/53
- sign -0.000+/-0.000 χ²/NDF: 21.0/27



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2017321.2/9

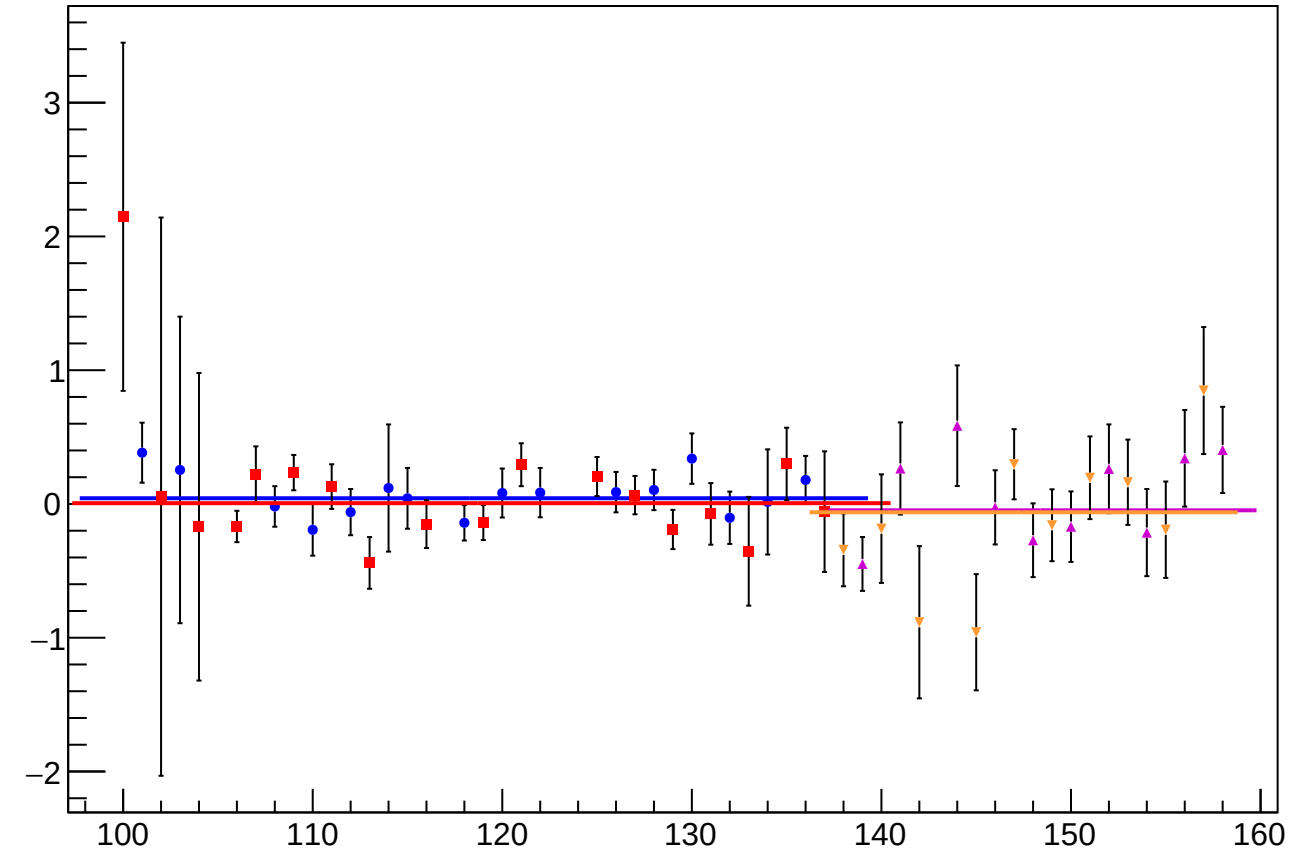
Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

Left In: 0.000+/-0.000 χ^2/NDF:767805.4/9

+ sign 0.000+/-0.000 χ^2/NDF: 5083018.7/25

All: 0.000+/-0.000 χ^2/NDF: 12921254.4/53

- sign 0.000+/-0.000 χ^2/NDF: 7138815.5/27



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: -0.062+/-0.106 χ^2/NDF:14.5/9

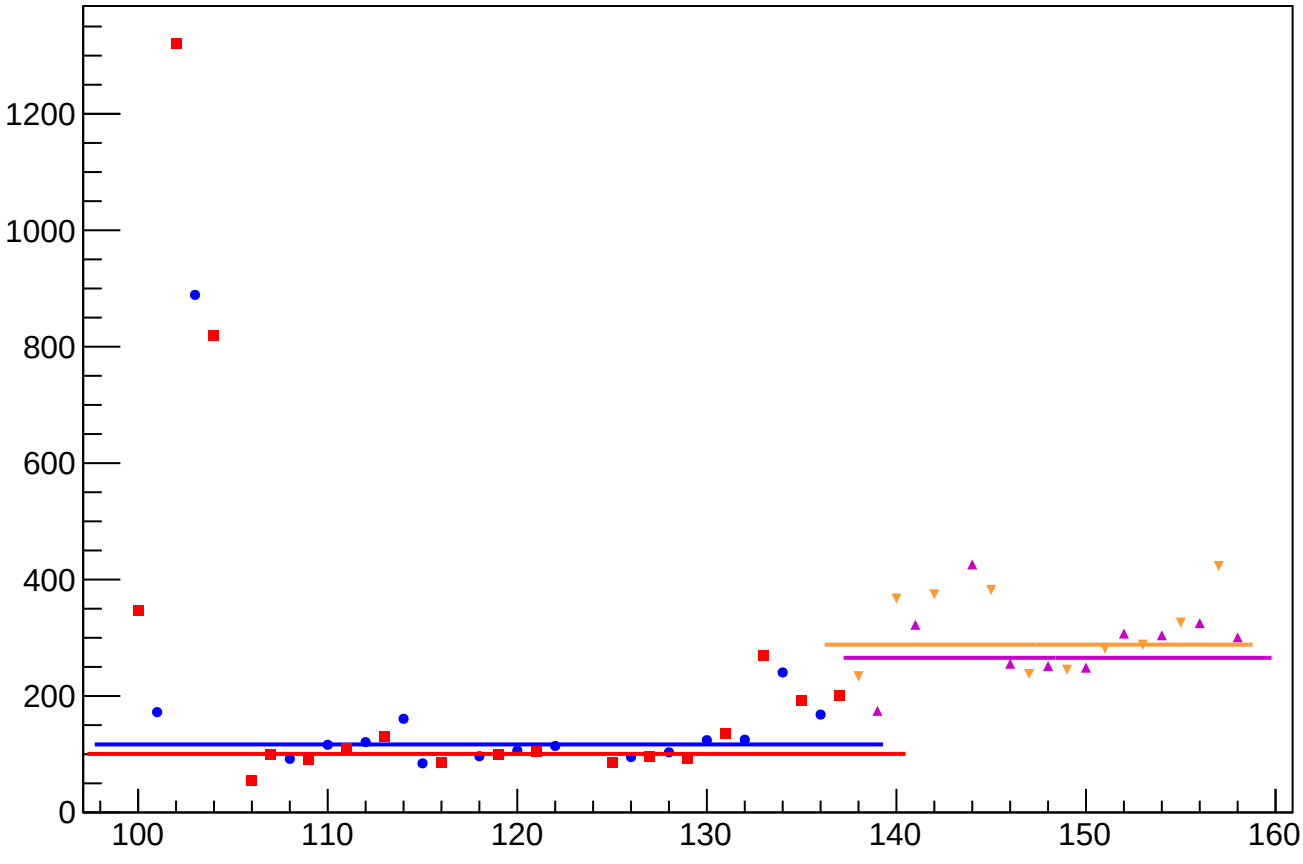
Right Out: 0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: -0.048+/-0.094 χ^2/NDF:11.9/9

+ sign 0.025+/-0.043 χ^2/NDF: 25.6/25

All: 0.009+/-0.029 χ^2/NDF: 64.0/53

- sign -0.004+/-0.039 χ^2/NDF: 38.2/27



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 288.270+/-0.075 χ^2/NDF:606264.4/9

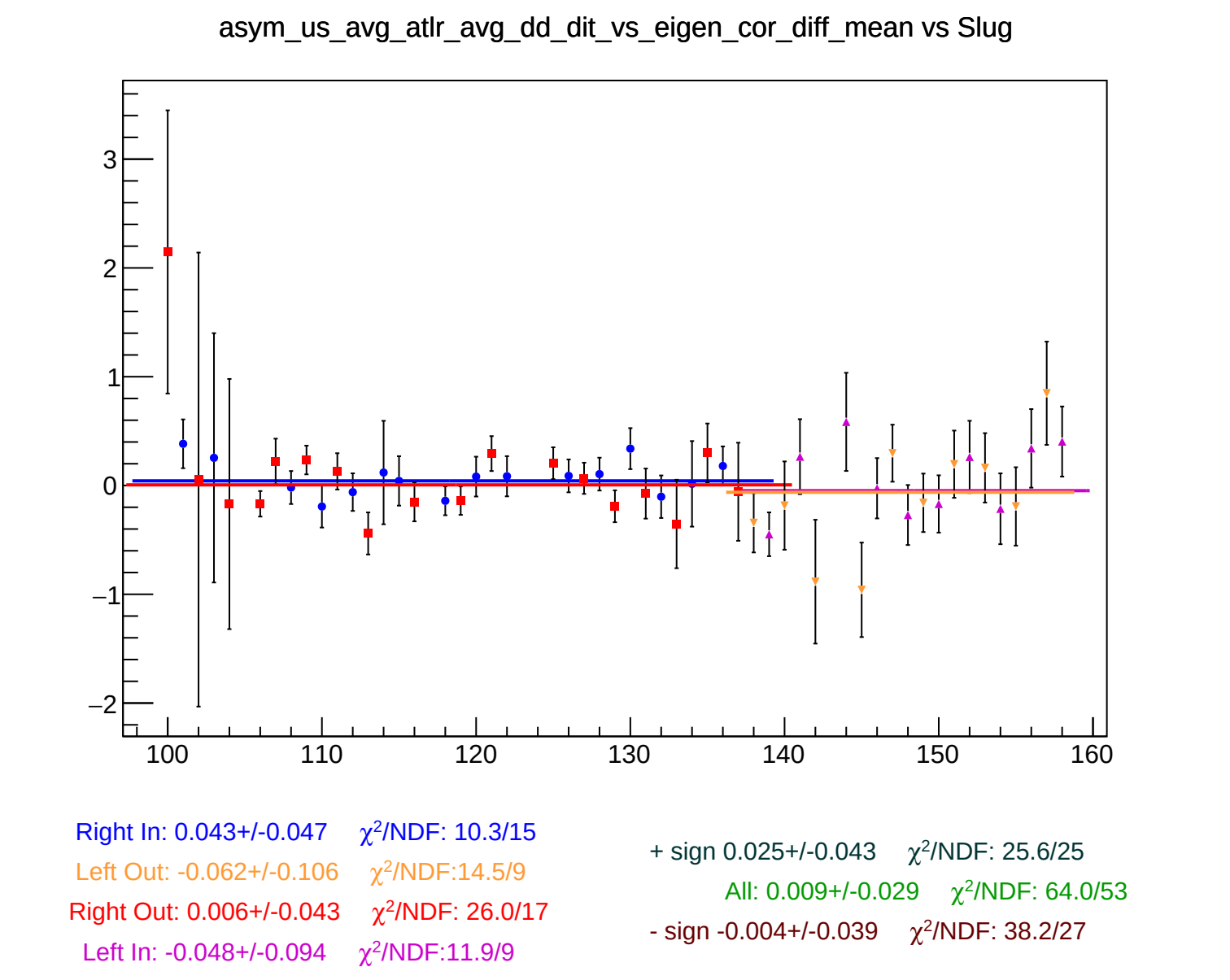
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

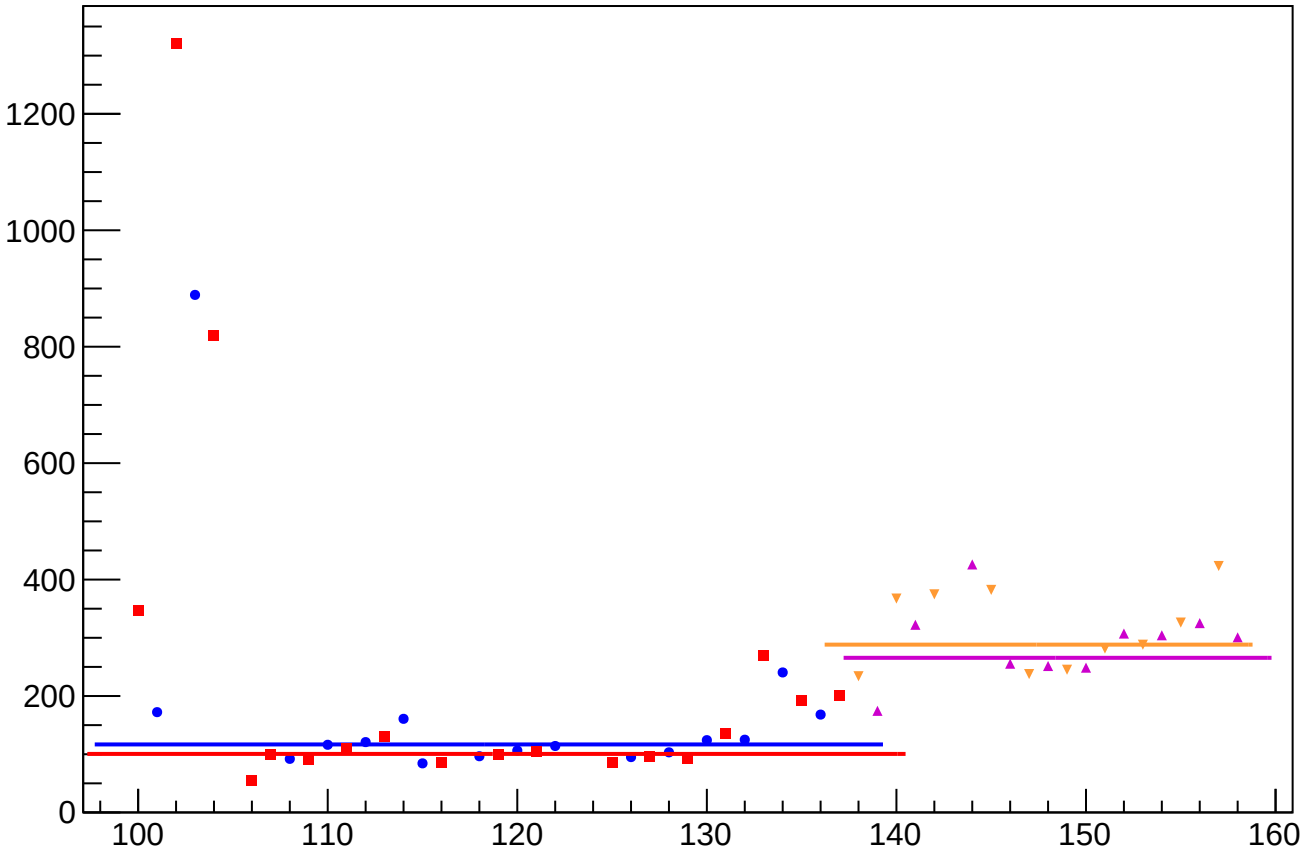
Left In: 265.616+/-0.066 χ^2/NDF:870570.8/9

+ sign 145.422+/-0.031 χ^2/NDF: 6576459.9/25

All: 136.852+/-0.021 χ^2/NDF: 15383536.3/53

- sign 129.784+/-0.028 χ^2/NDF: 8664313.7/27


asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: -0.062+/-0.106 χ²/NDF:14.5/9
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.048+/-0.094 χ²/NDF:11.9/9
+ sign 0.025+/-0.043 χ²/NDF: 25.6/25
All: 0.009+/-0.029 χ²/NDF: 64.0/53
- sign -0.004+/-0.039 χ²/NDF: 38.2/27



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 288.270+/-0.075 χ^2/NDF:606264.4/9

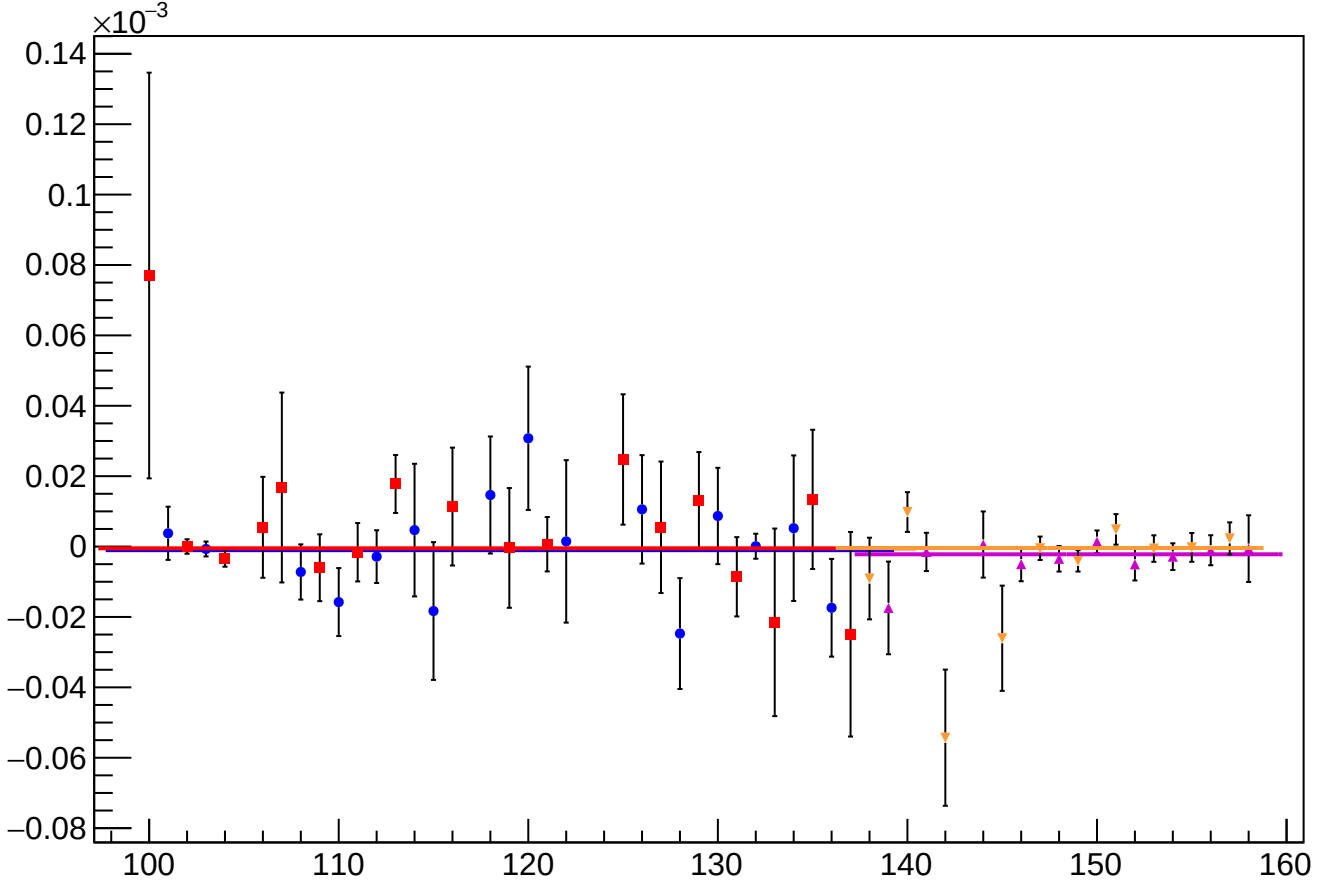
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 265.616+/-0.066 χ^2/NDF:870570.8/9

+ sign 145.422+/-0.031 χ^2/NDF: 6576459.9/25

All: 136.852+/-0.021 χ^2/NDF: 15383536.3/53

- sign 129.784+/-0.028 χ^2/NDF: 8664313.7/27



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.9/9

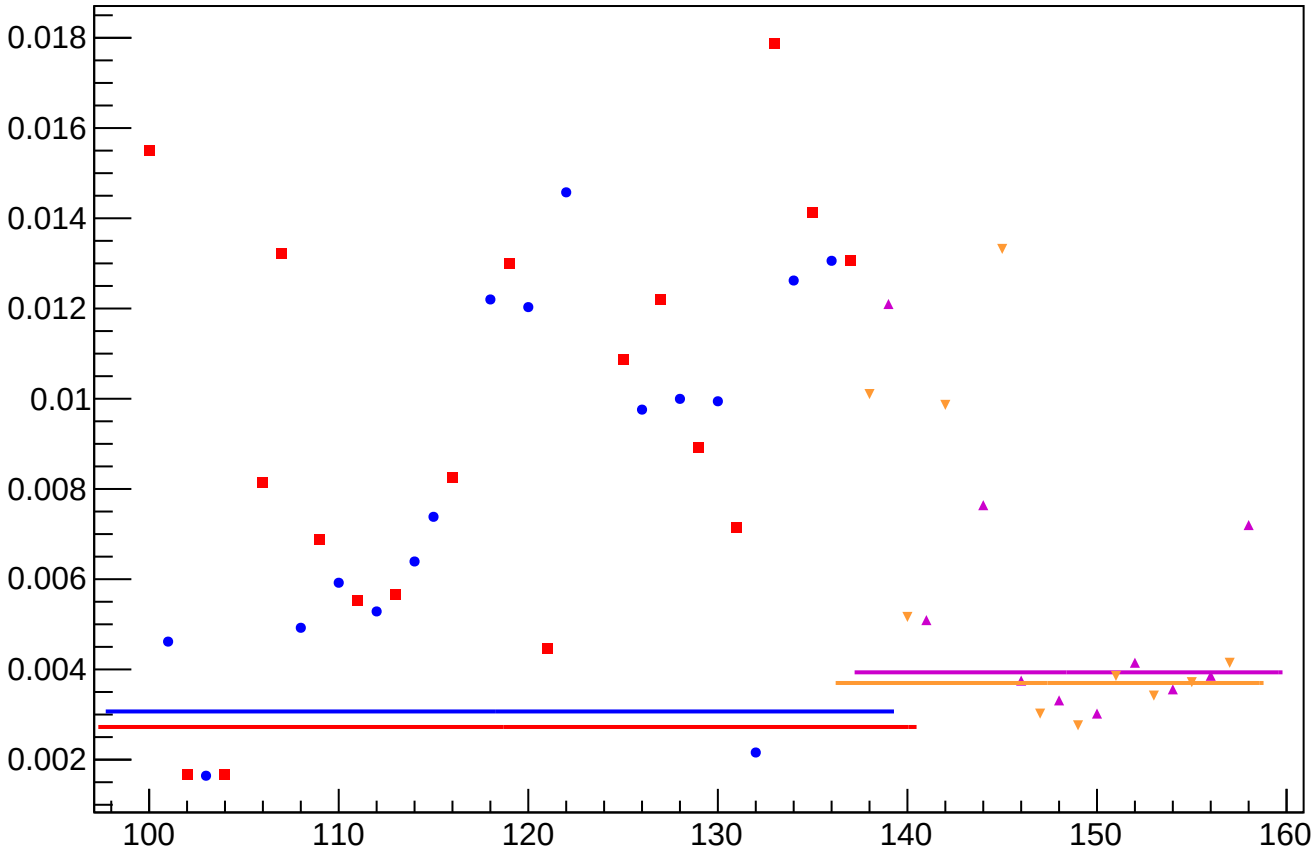
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: -0.000+/-0.000 χ^2/NDF:3.7/9

+ sign -0.000+/-0.000 χ^2/NDF: 30.5/25

All: -0.000+/-0.000 χ^2/NDF: 50.1/53

- sign -0.000+/-0.000 χ^2/NDF: 19.4/27



Right In: 0.003+/-0.000 χ^2/NDF: 5964299.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:2085327.1/9

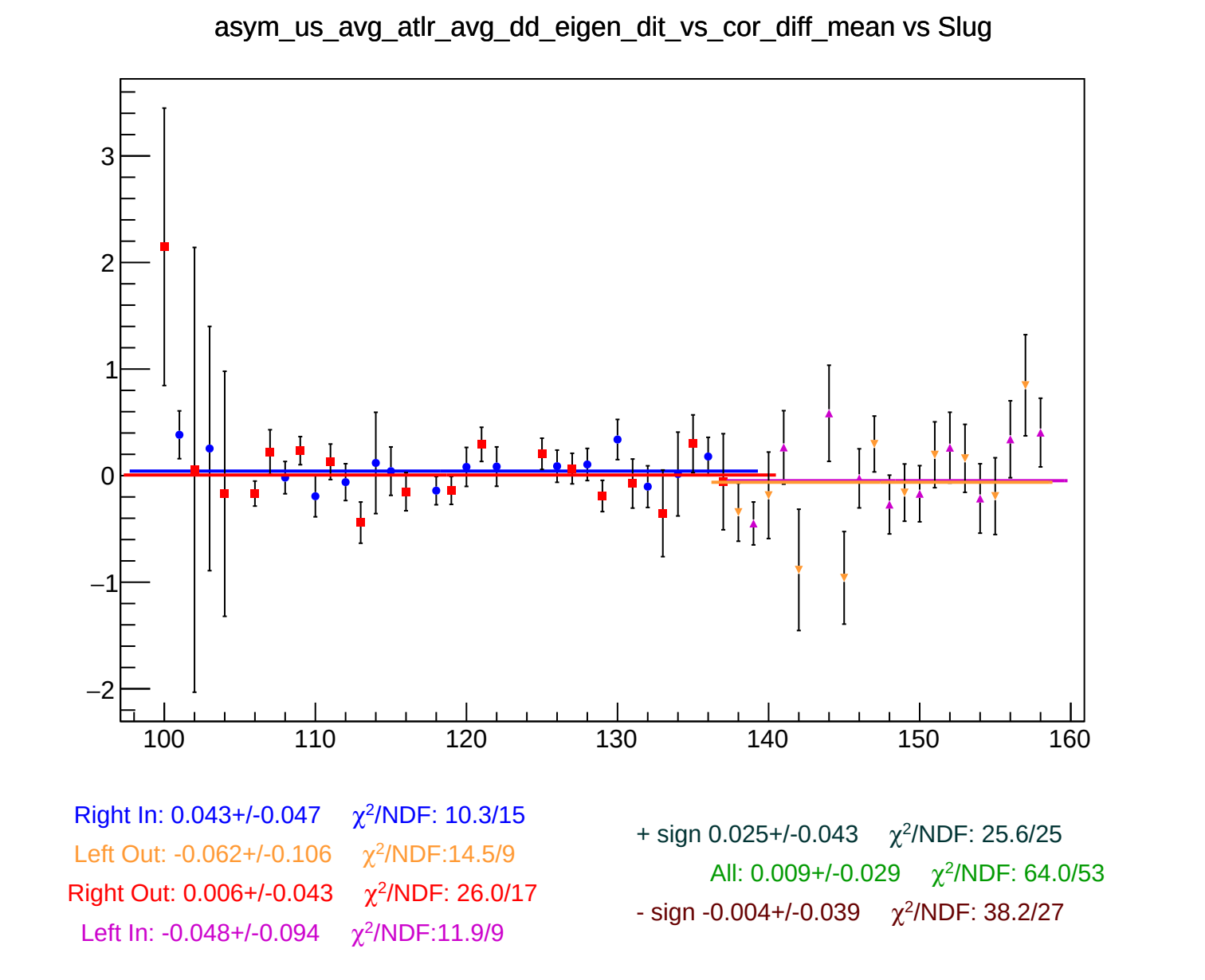
Right Out: 0.003+/-0.000 χ^2/NDF: 6713699.1/17

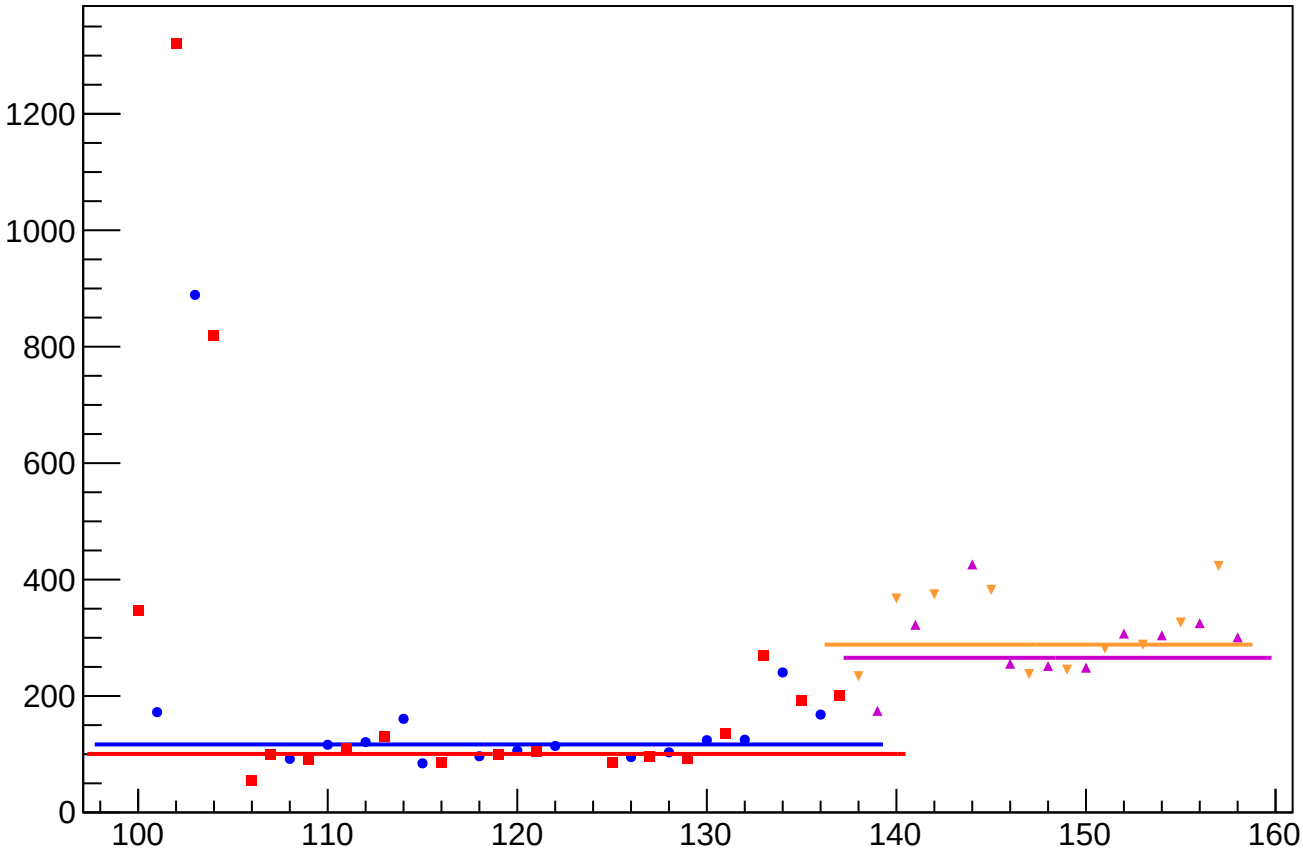
Left In: 0.004+/-0.000 χ^2/NDF:1658117.4/9

+ sign 0.003+/-0.000 χ^2/NDF: 8223108.9/25

All: 0.003+/-0.000 χ^2/NDF: 17312260.7/53

- sign 0.003+/-0.000 χ^2/NDF: 9075660.6/27


asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: -0.062+/-0.106 χ²/NDF:14.5/9
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.048+/-0.094 χ²/NDF:11.9/9
+ sign 0.025+/-0.043 χ²/NDF: 25.6/25
All: 0.009+/-0.029 χ²/NDF: 64.0/53
- sign -0.004+/-0.039 χ²/NDF: 38.2/27



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 288.273+/-0.075 χ^2/NDF:606265.1/9

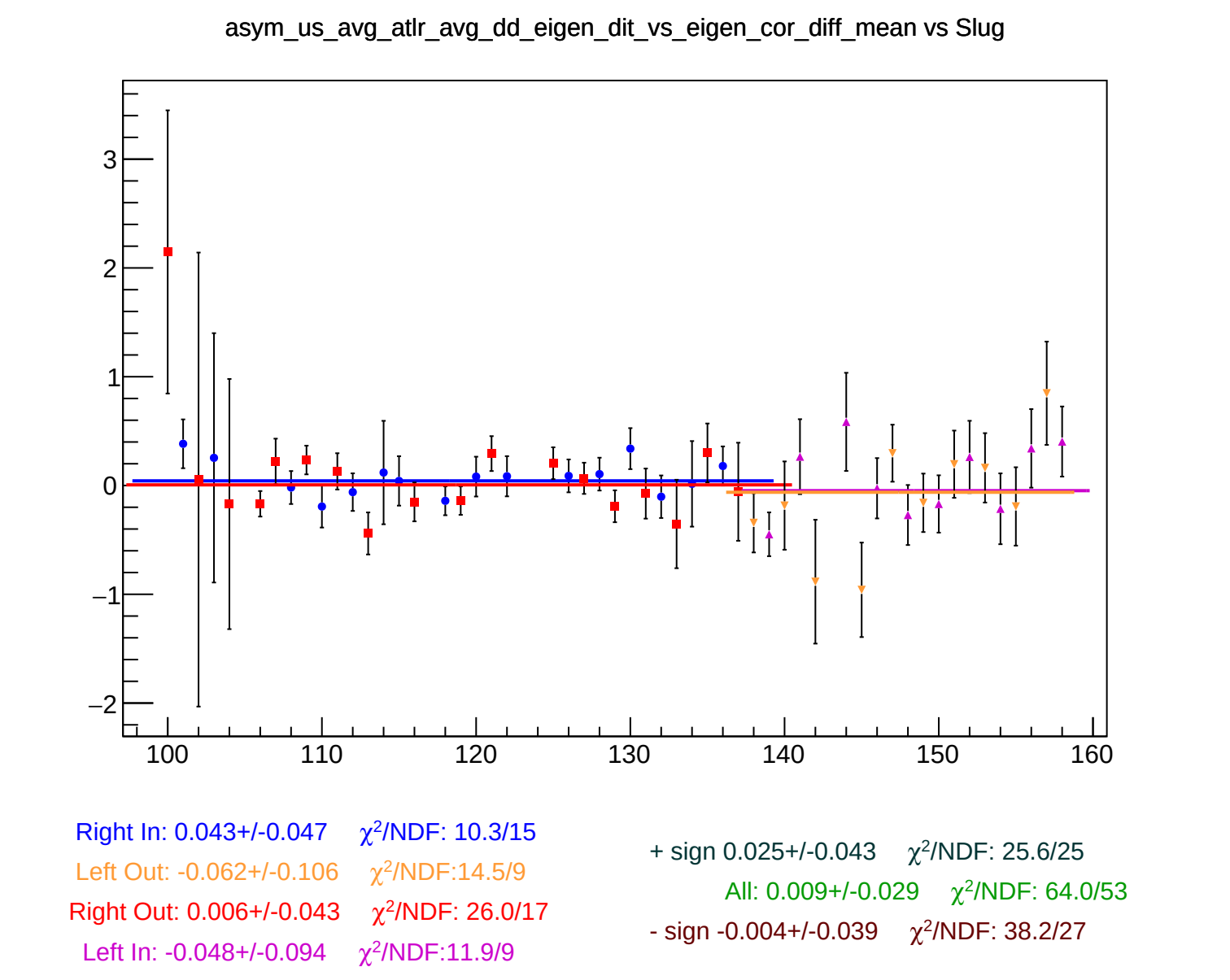
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

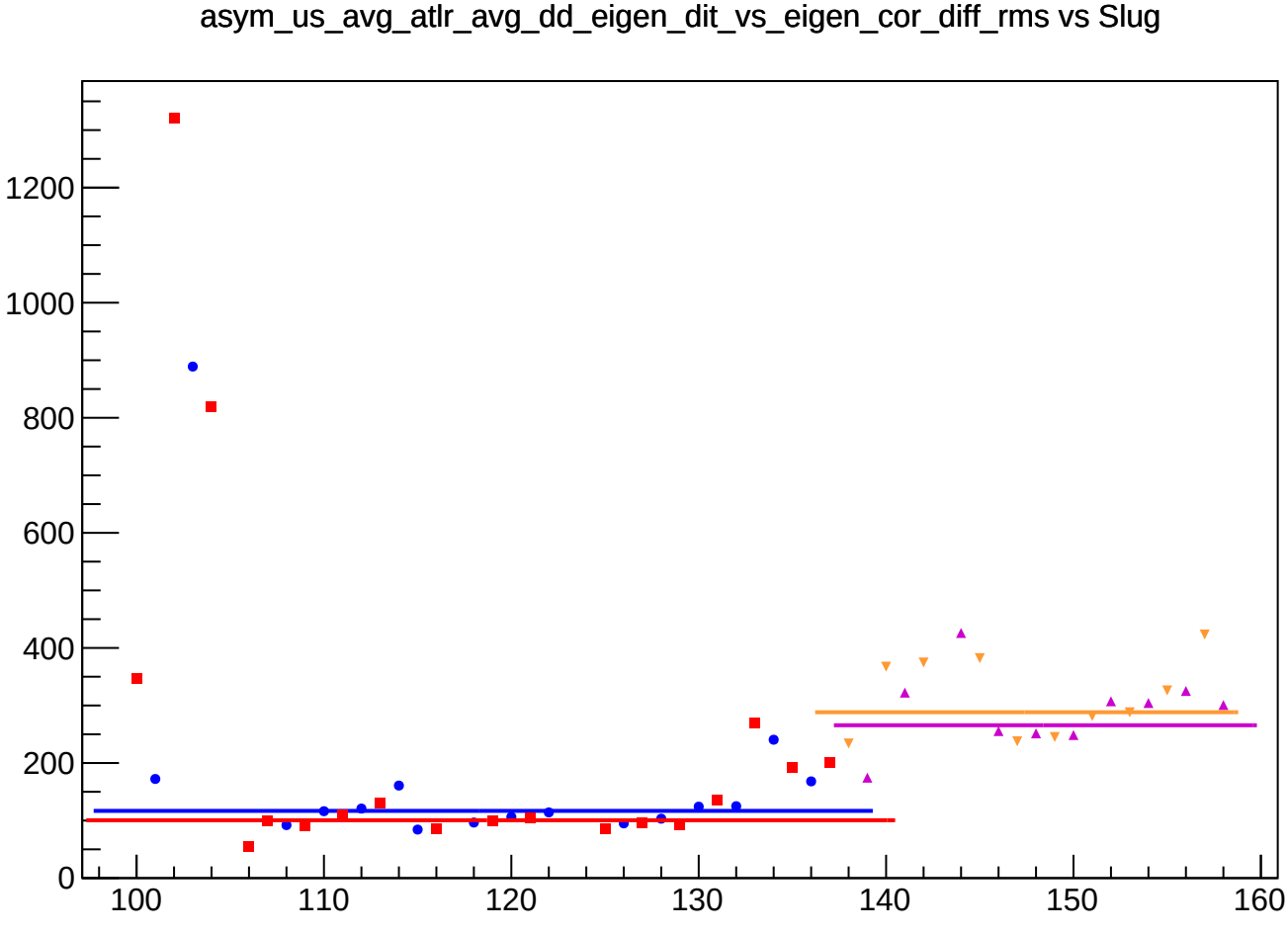
Left In: 265.620+/-0.066 χ^2/NDF:870530.6/9

+ sign 145.422+/-0.031 χ^2/NDF: 6576533.6/25

All: 136.852+/-0.021 χ^2/NDF: 15383855.3/53

- sign 129.783+/-0.028 χ^2/NDF: 8664541.6/27


asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: -0.062+/-0.106 χ²/NDF:14.5/9
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.048+/-0.094 χ²/NDF:11.9/9
+ sign 0.025+/-0.043 χ²/NDF: 25.6/25
All: 0.009+/-0.029 χ²/NDF: 64.0/53
- sign -0.004+/-0.039 χ²/NDF: 38.2/27



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 288.273+/-0.075 χ^2/NDF:606265.1/9

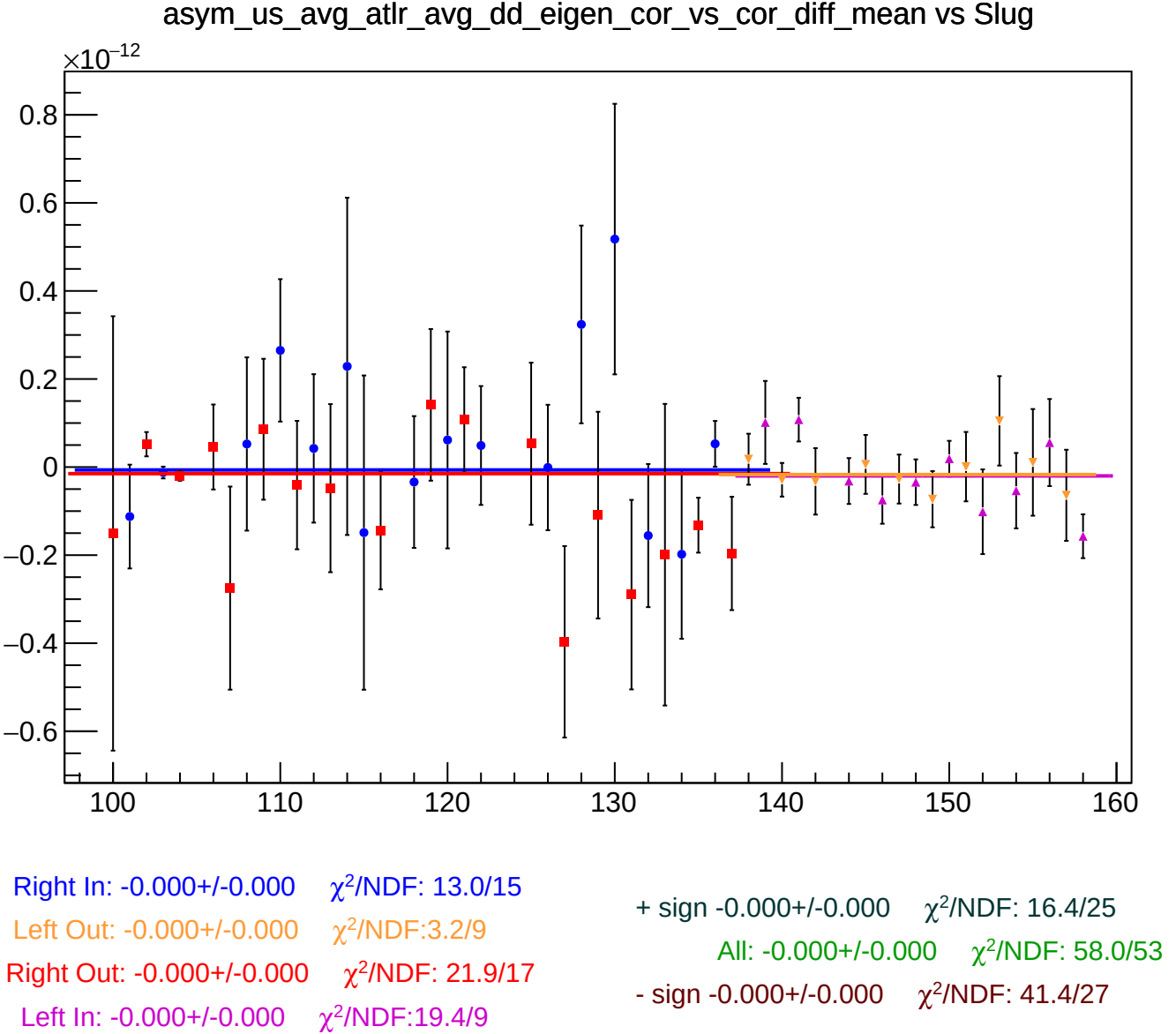
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

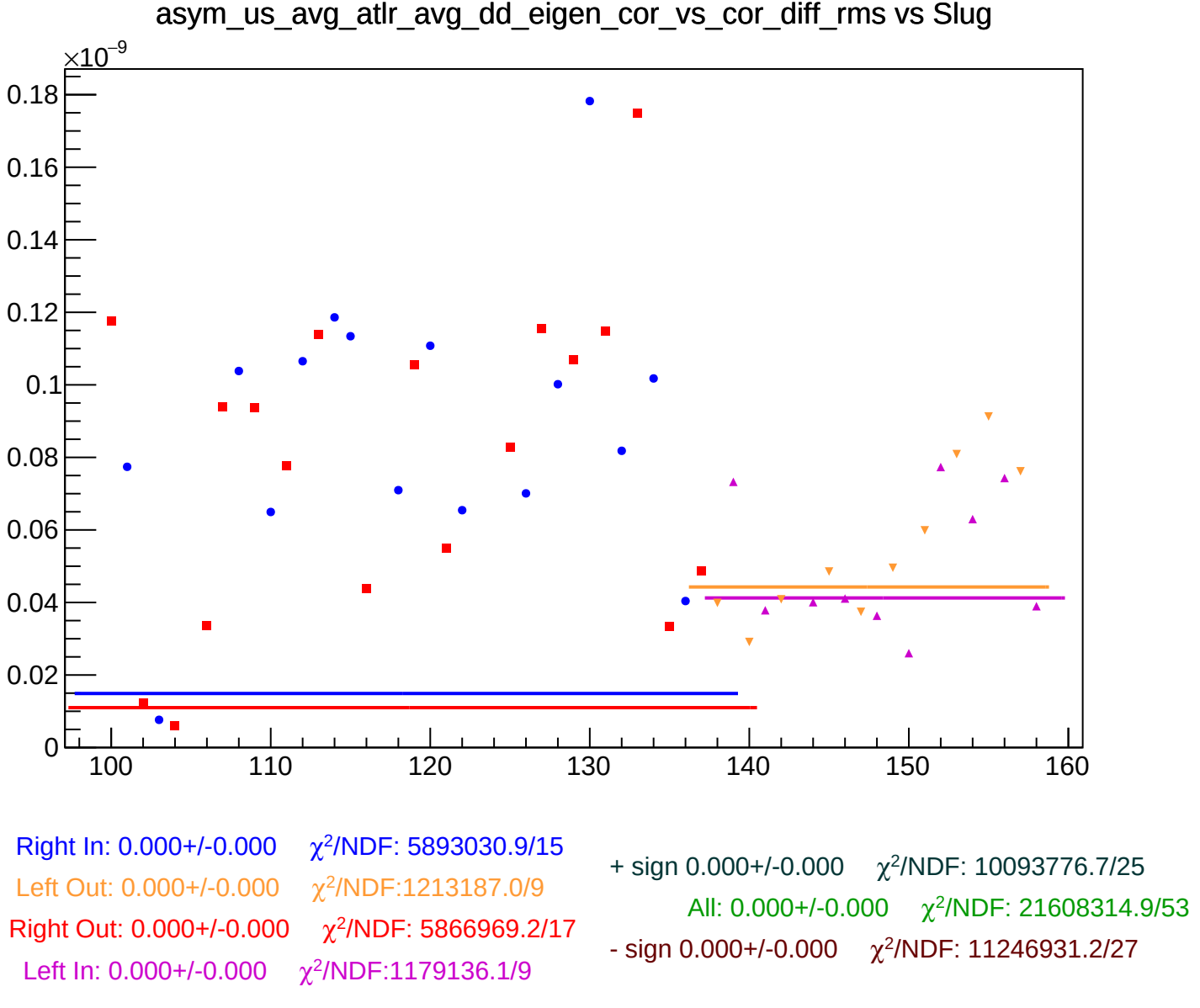
Left In: 265.620+/-0.066 χ^2/NDF:870530.6/9

+ sign 145.422+/-0.031 χ^2/NDF: 6576533.6/25

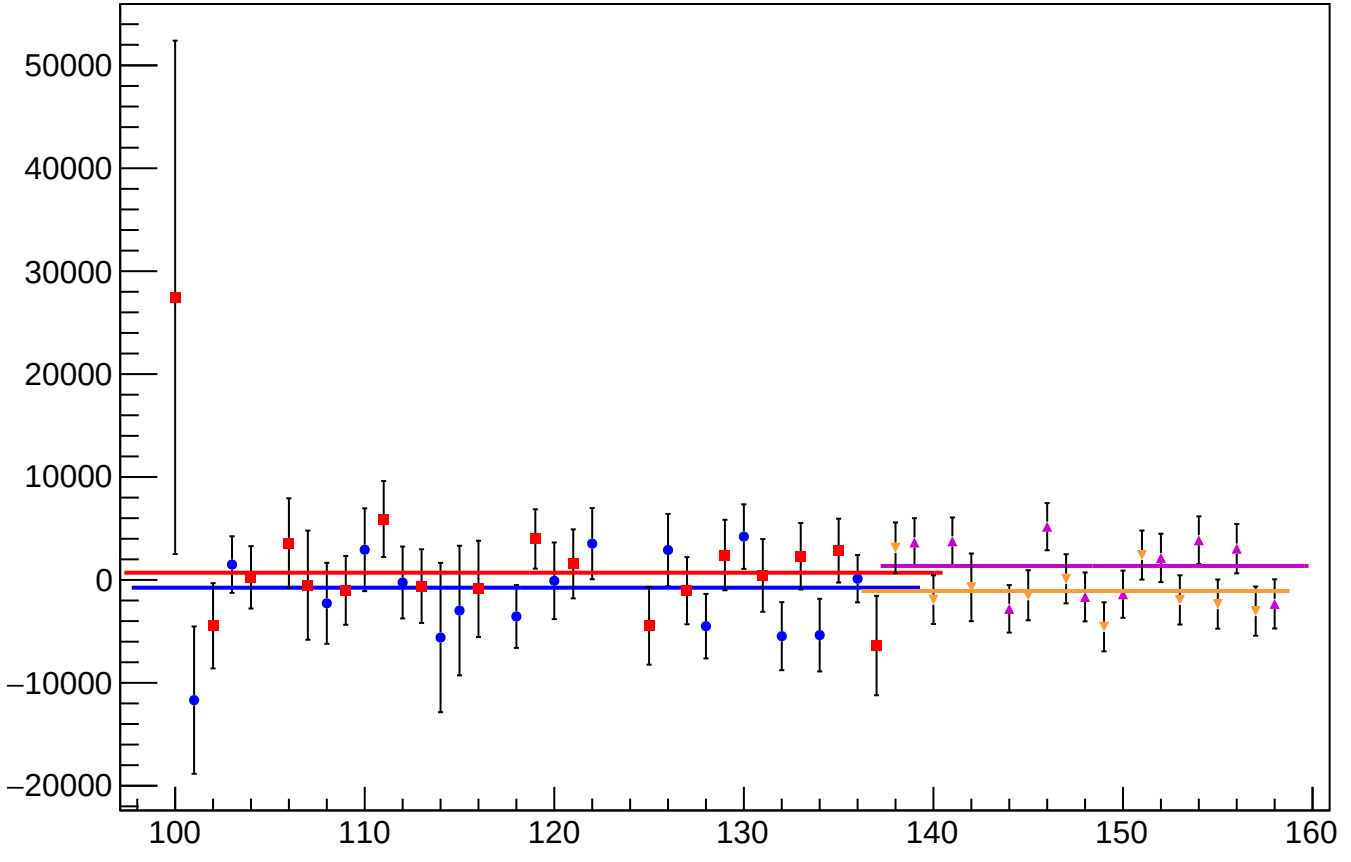
All: 136.852+/-0.021 χ^2/NDF: 15383855.3/53

- sign 129.783+/-0.028 χ^2/NDF: 8664541.6/27


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 13.0/15
Left Out: -0.000+/-0.000 χ²/NDF:3.2/9
Right Out: -0.000+/-0.000 χ²/NDF: 21.9/17
Left In: -0.000+/-0.000 χ²/NDF:19.4/9
+ sign -0.000+/-0.000 χ²/NDF: 16.4/25
All: -0.000+/-0.000 χ²/NDF: 58.0/53
- sign -0.000+/-0.000 χ²/NDF: 41.4/27


asym_us_avg_atlr_avg_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
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 5893030.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1213187.0/9
Right Out: 0.000+/-0.000 χ²/NDF: 5866969.2/17
Left In: 0.000+/-0.000 χ²/NDF:1179136.1/9
+ sign 0.000+/-0.000 χ²/NDF: 10093776.7/25
All: 0.000+/-0.000 χ²/NDF: 21608314.9/53
- sign 0.000+/-0.000 χ²/NDF: 11246931.2/27

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: -1074.811+/-776.380 χ^2/NDF:8.7/9

Right Out: 702.198+/-868.647 χ^2/NDF: 12.4/17

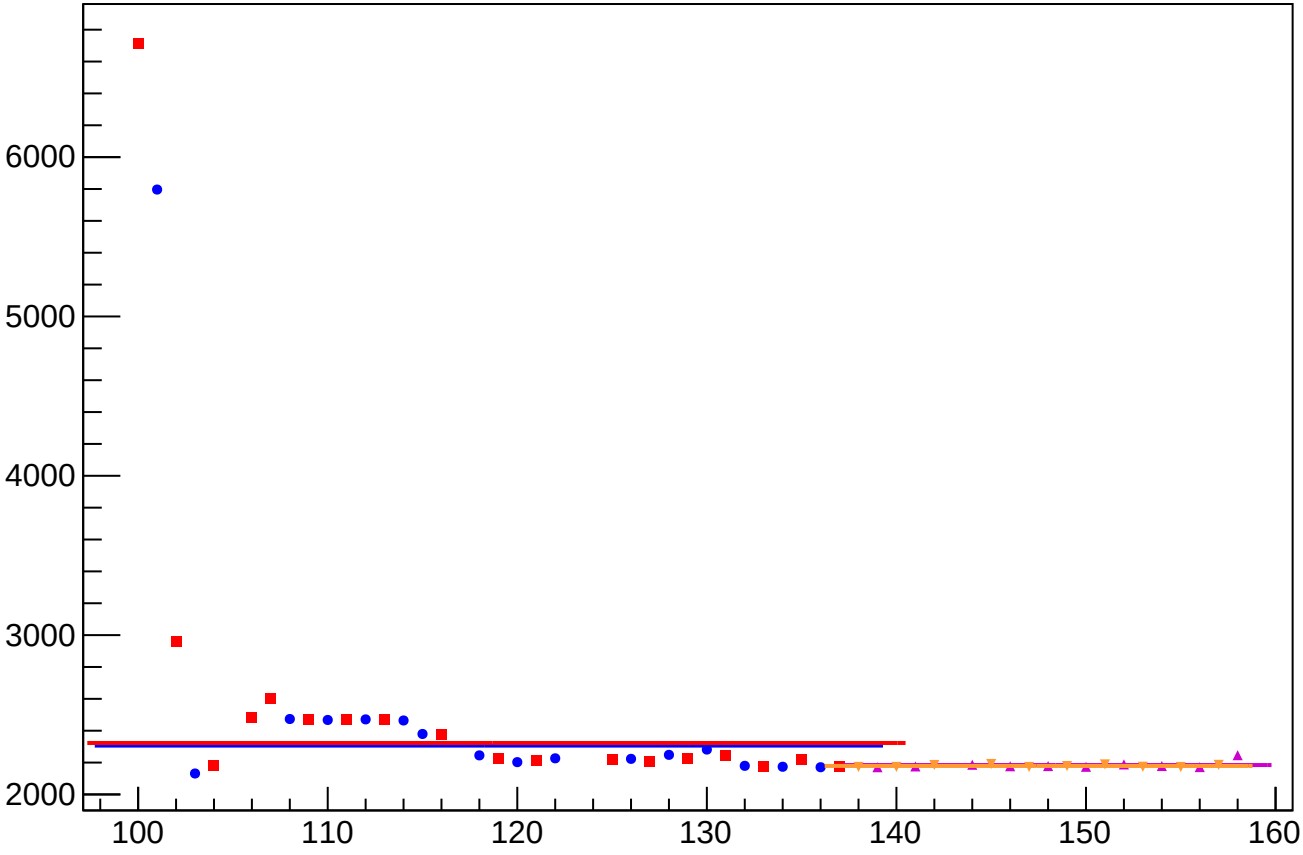
Left In: 1358.066+/-739.571 χ^2/NDF:15.2/9

+ sign -933.200+/-580.046 χ^2/NDF: 24.7/25

All: 104.460+/-404.036 χ^2/NDF: 58.8/53

- sign 1082.435+/-563.117 χ^2/NDF: 27.9/27

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2178.867+/-0.549 χ^2/NDF:172.3/9

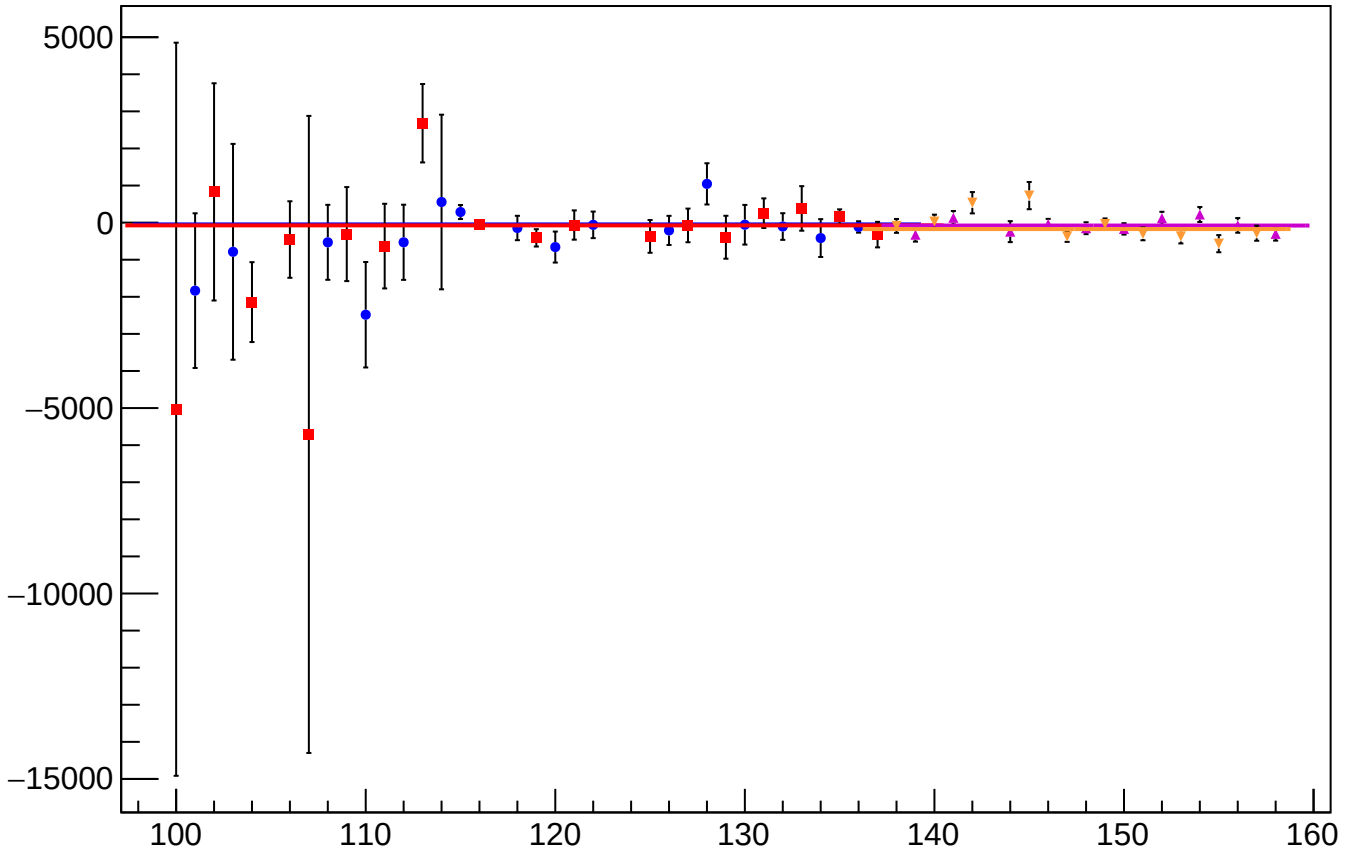
Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2184.490+/-0.523 χ^2/NDF:1588.0/9

\+ sign 2235.321+/-0.410 χ^2/NDF: 538257.2/25

All: 2239.122+/-0.286 χ^2/NDF: 721284.7/53

\- sign 2242.704+/-0.398 χ^2/NDF: 182860.7/27



Right In: -47.927+/-90.914 χ^2/NDF: 14.4/15

Left Out: -173.753+/-60.739 χ^2/NDF:21.0/9

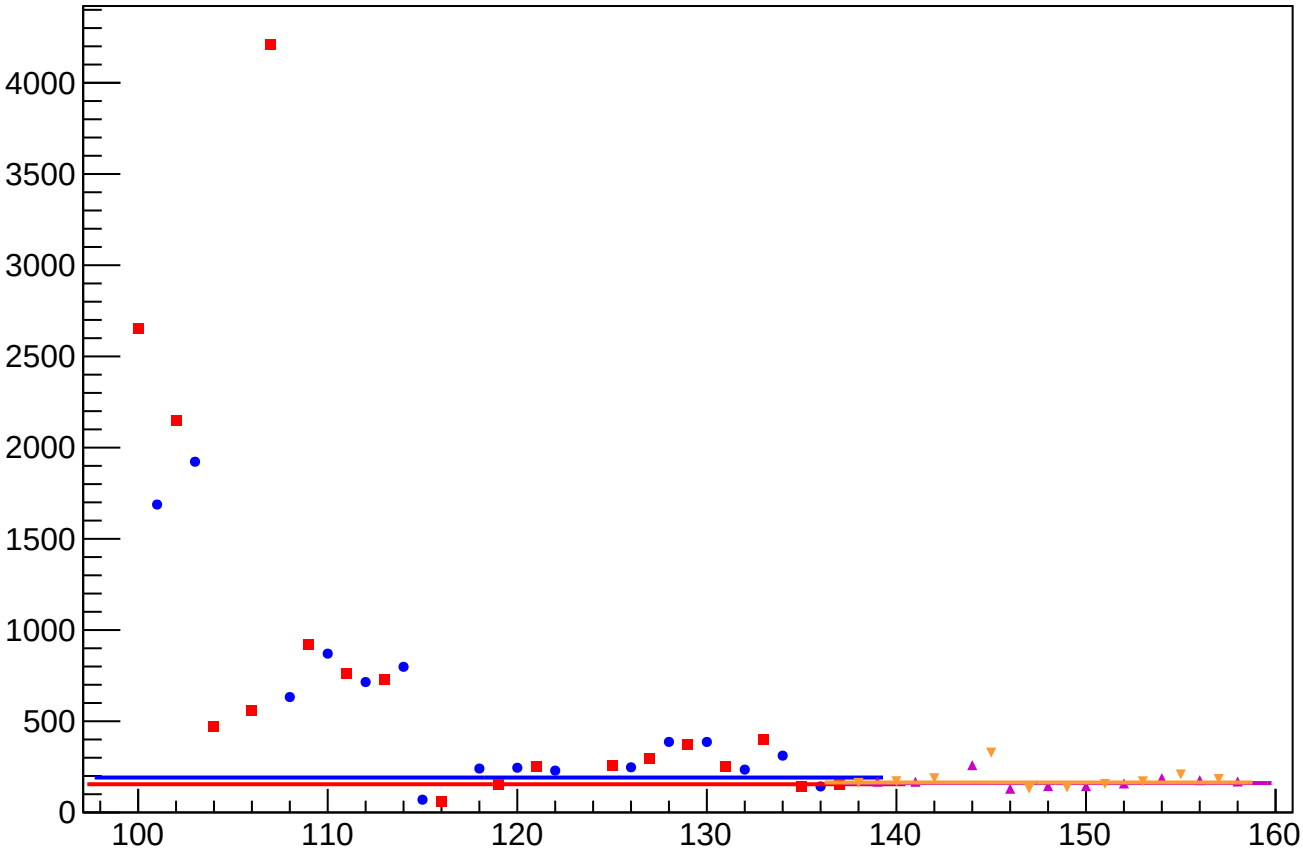
Right Out: -74.200+/-82.384 χ^2/NDF: 17.6/17

Left In: -78.583+/-56.137 χ^2/NDF:9.1/9

+ sign -134.923+/-50.505 χ^2/NDF: 36.7/25

All: -103.611+/-34.165 χ^2/NDF: 64.1/53

- sign -77.193+/-46.391 χ^2/NDF: 26.7/27



Right In: 191.381+/-0.064 χ^2/NDF: 5064747.7/15

Left Out: 164.318+/-0.043 χ^2/NDF:681245.5/9

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

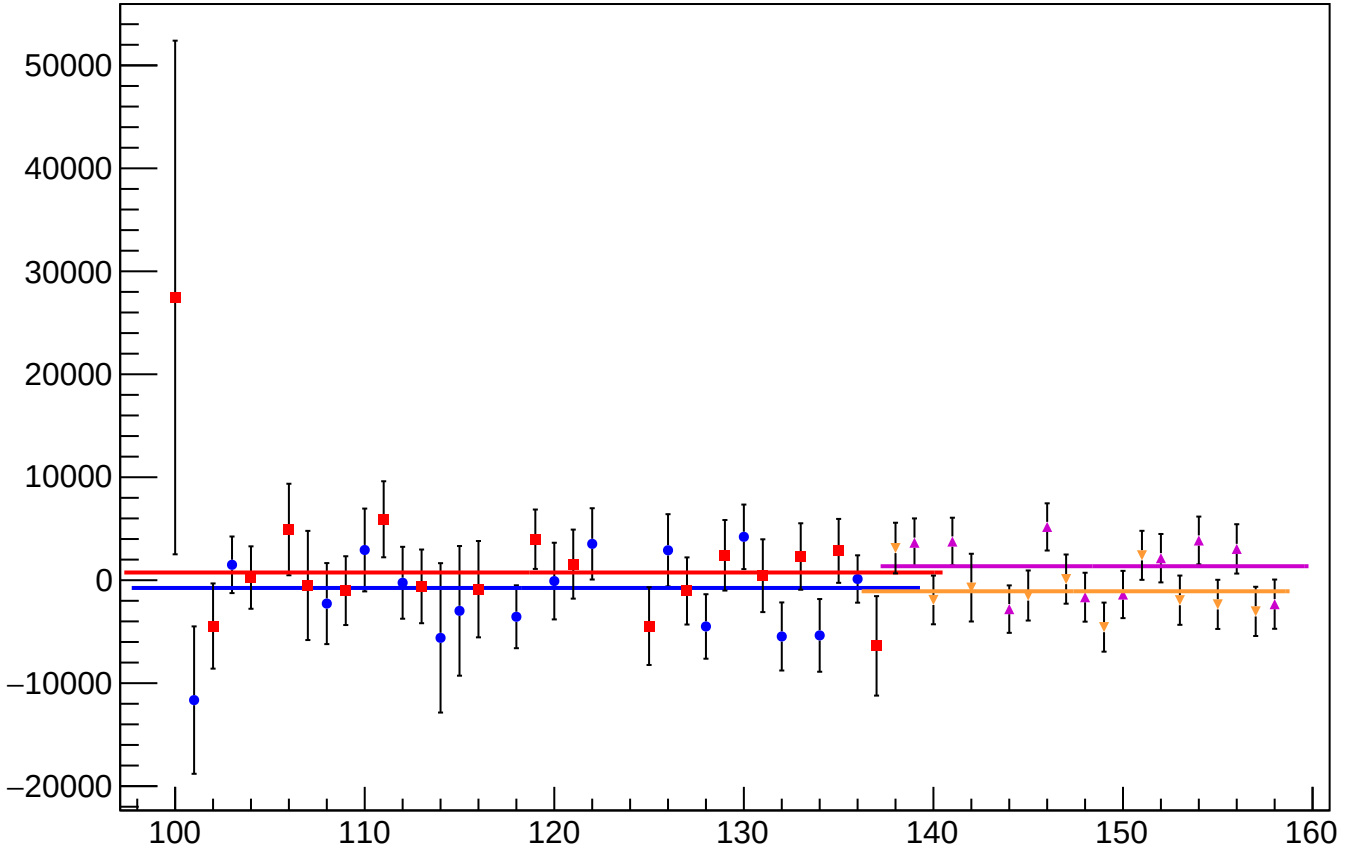
Left In: 161.146+/-0.040 χ^2/NDF:445457.3/9

+ sign 172.669+/-0.036 χ^2/NDF: 5868524.8/25

All: 165.306+/-0.024 χ^2/NDF: 12555058.5/53

- sign 159.094+/-0.033 χ^2/NDF: 6608164.3/27

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -1074.828+/-776.380 χ^2/NDF:8.7/9

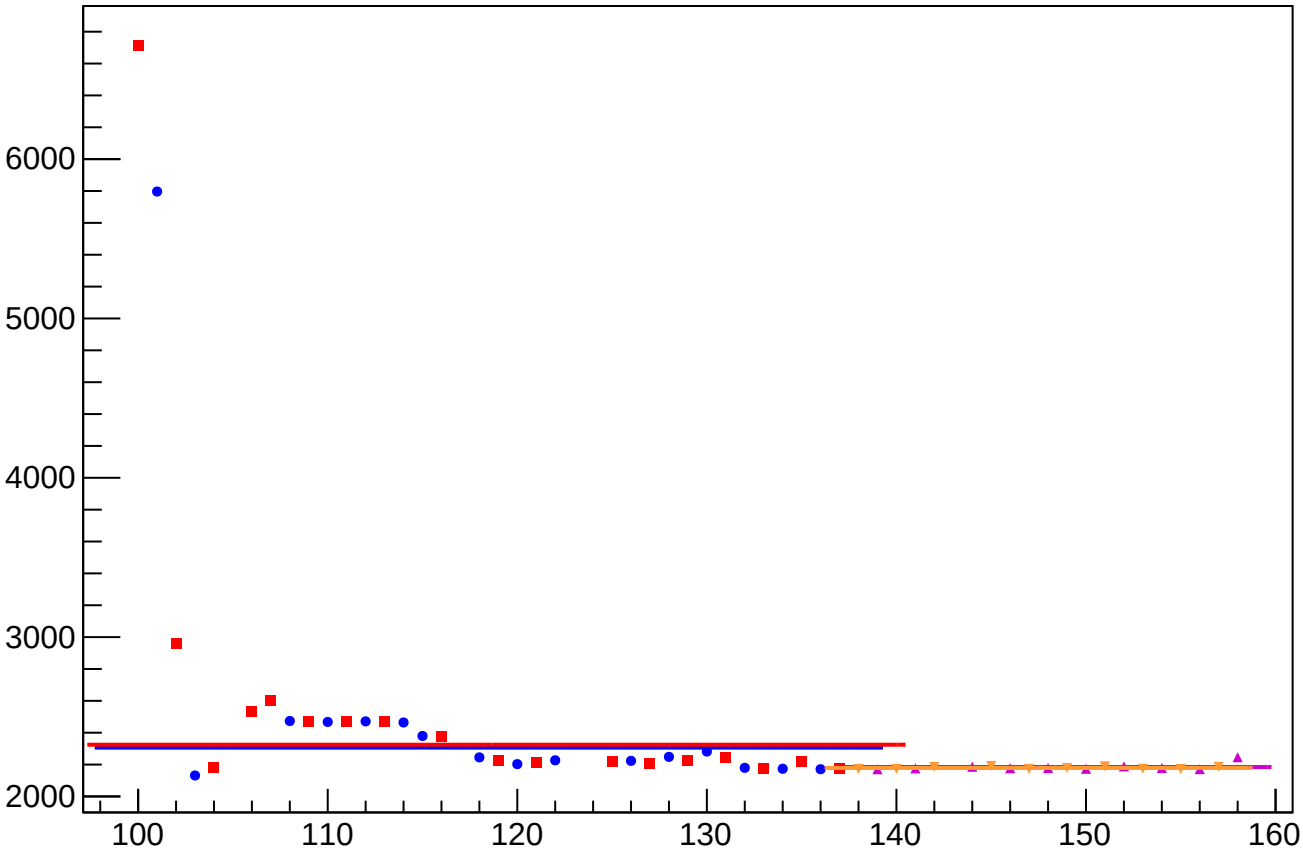
Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: 1357.966+/-739.571 χ^2/NDF:15.2/9

+ sign -932.781+/-580.046 χ^2/NDF: 24.6/25

All: 114.601+/-404.109 χ^2/NDF: 59.3/53

- sign 1102.424+/-563.313 χ^2/NDF: 28.3/27



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2178.867+/-0.549 χ^2/NDF:172.3/9

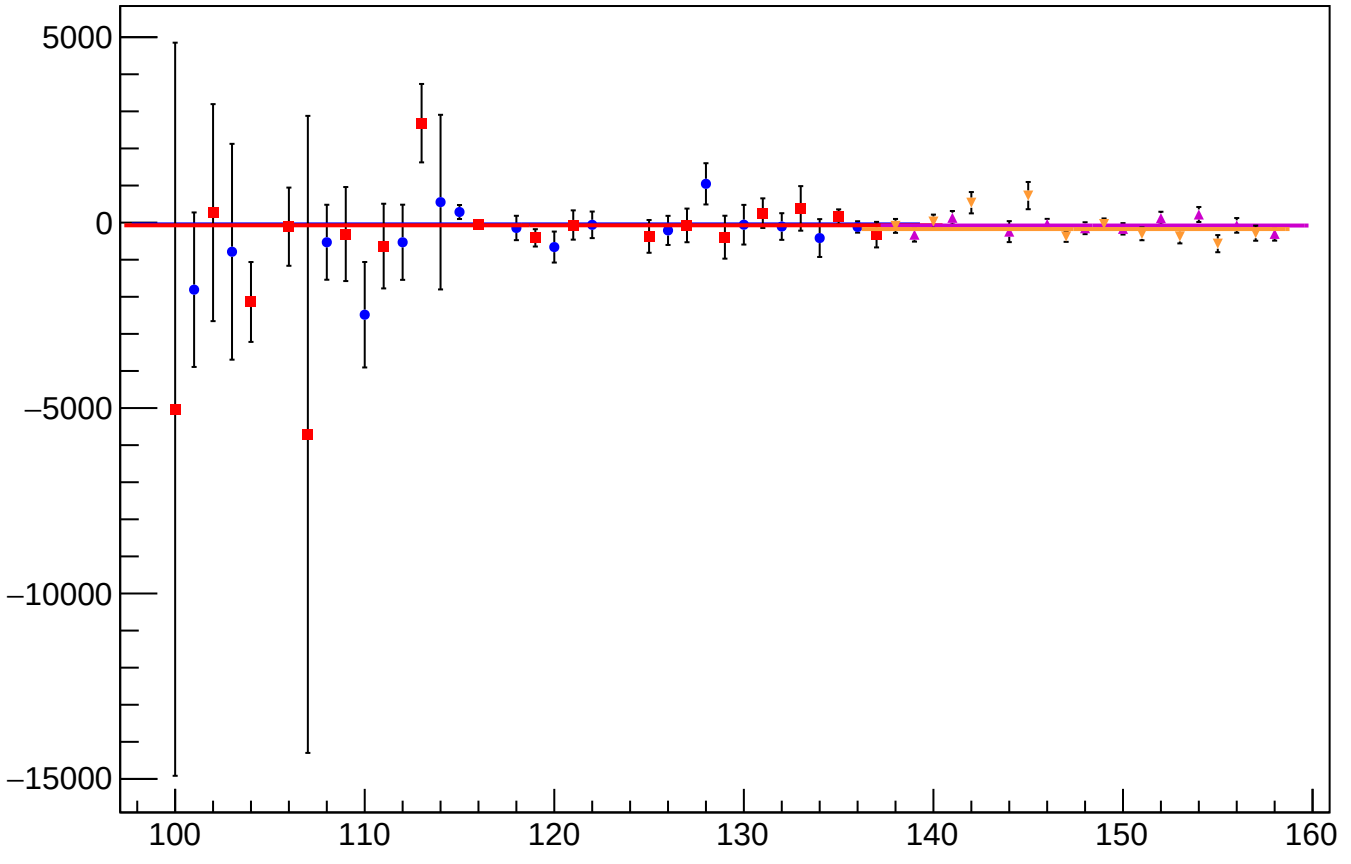
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2184.490+/-0.523 χ^2/NDF:1588.0/9

+ sign 2235.321+/-0.410 χ^2/NDF: 538257.5/25

All: 2239.453+/-0.286 χ^2/NDF: 723795.0/53

- sign 2243.351+/-0.398 χ^2/NDF: 185340.2/27



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -173.717+/-60.740 χ^2/NDF:21.0/9

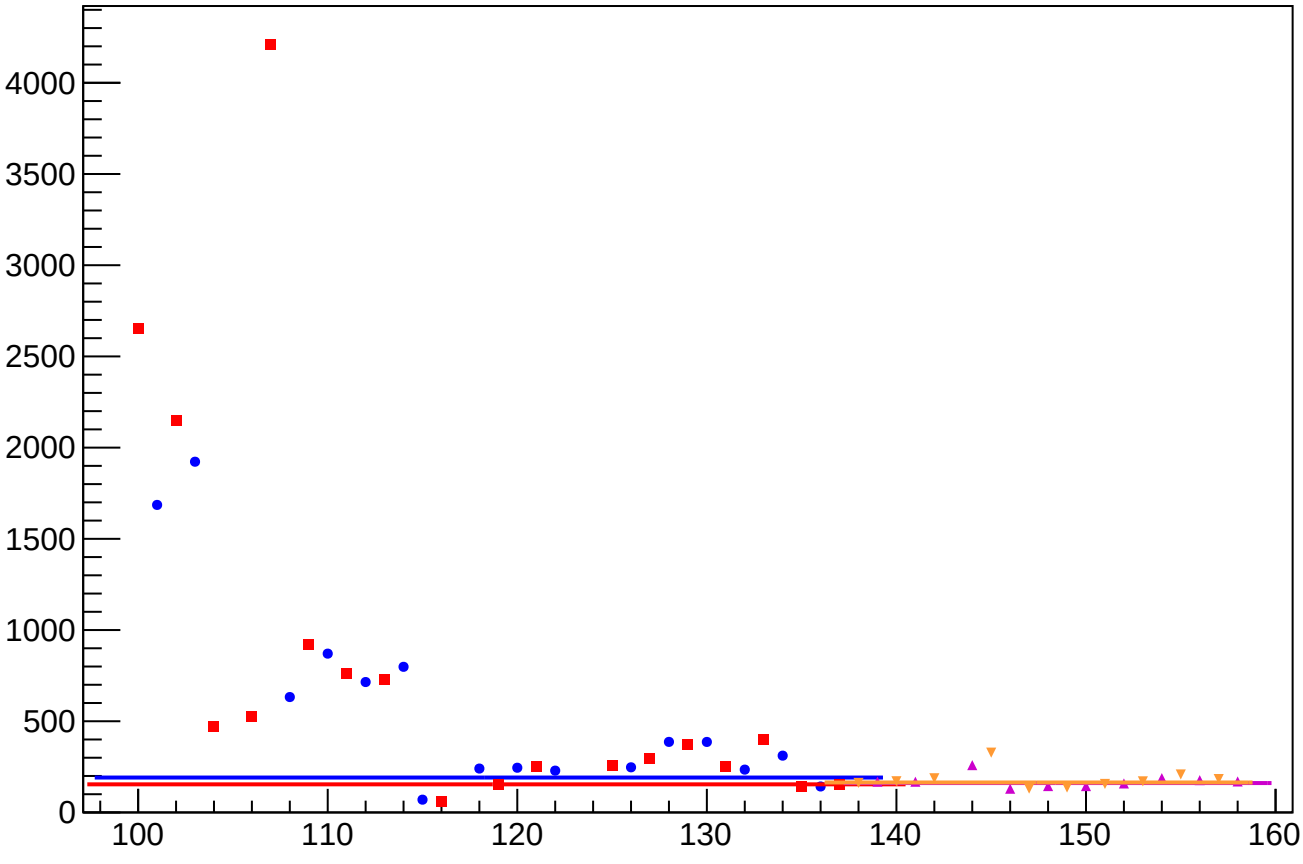
Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: -78.644+/-56.142 χ^2/NDF:9.0/9

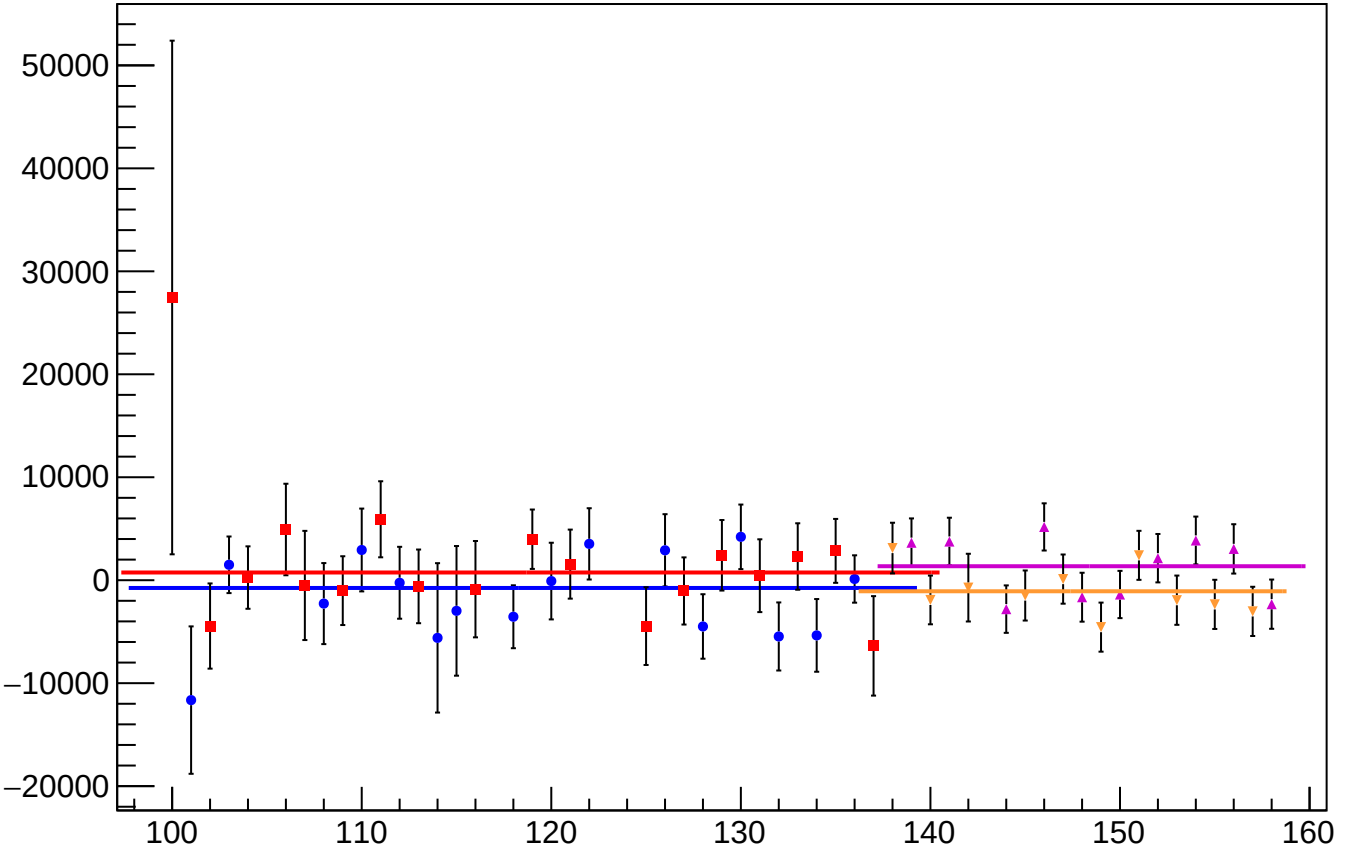
+ sign -134.911+/-50.506 χ^2/NDF: 36.7/25

All: -103.277+/-34.162 χ^2/NDF: 63.8/53

- sign -76.597+/-46.382 χ^2/NDF: 26.5/27


asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug
4000
3500
3000
2500
2000
1500
1000
500
0
100
110
120
130
140
150
160
Right In: 191.405+/-0.064 χ²/NDF: 5063603.7/15
Left Out: 164.320+/-0.043 χ²/NDF:681295.8/9
Right Out: 154.121+/-0.058 χ²/NDF: 6108665.0/17
Left In: 161.160+/-0.040 χ²/NDF:445435.1/9
+ sign 172.678+/-0.036 χ²/NDF: 5867616.8/25
All: 165.218+/-0.024 χ²/NDF: 12512138.9/53
- sign 158.926+/-0.033 χ²/NDF: 6564081.6/27

eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -1074.828+/-776.380 χ^2/NDF:8.7/9

Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

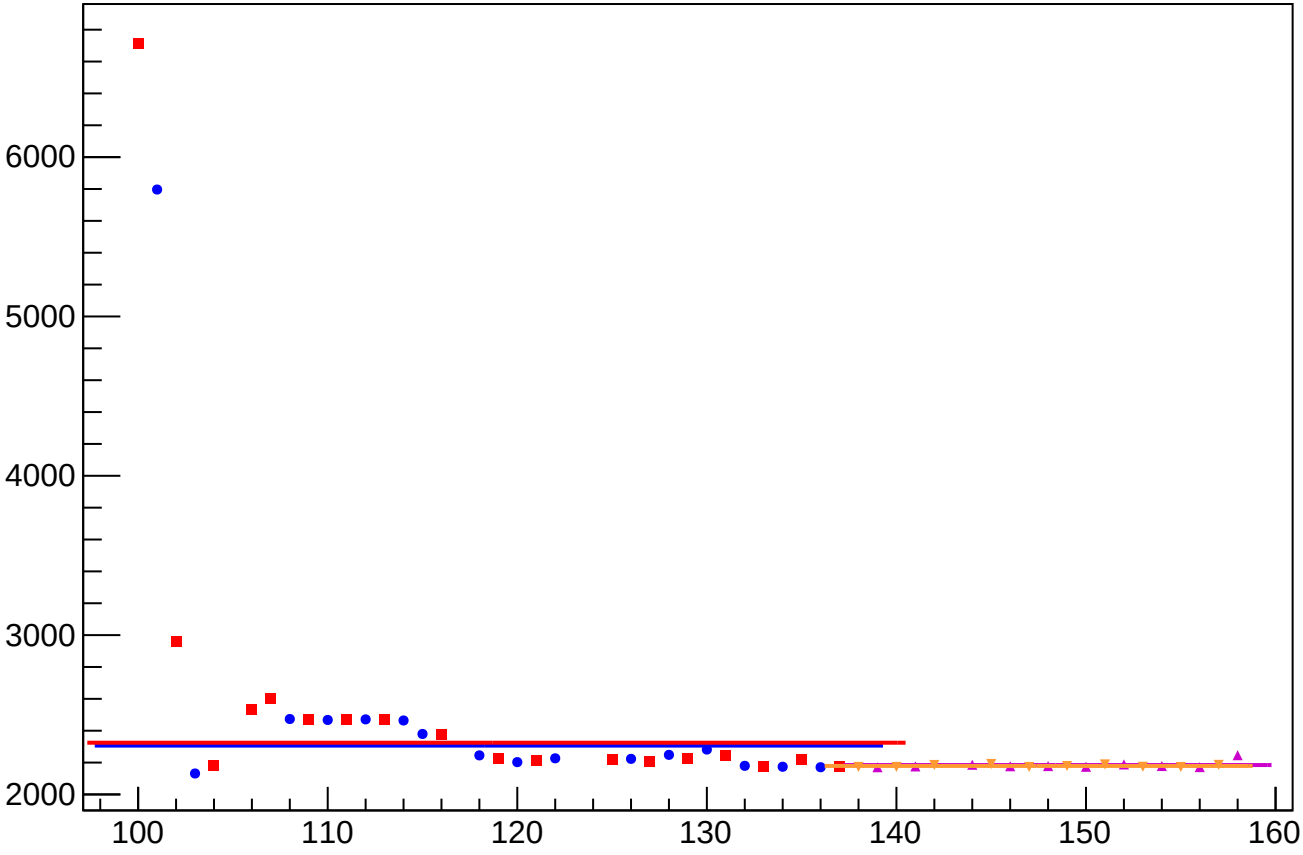
Left In: 1357.966+/-739.571 χ^2/NDF:15.2/9

+ sign -932.781+/-580.046 χ^2/NDF: 24.6/25

All: 114.601+/-404.109 χ^2/NDF: 59.3/53

- sign 1102.424+/-563.313 χ^2/NDF: 28.3/27

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2178.867+/-0.549 χ^2/NDF:172.3/9

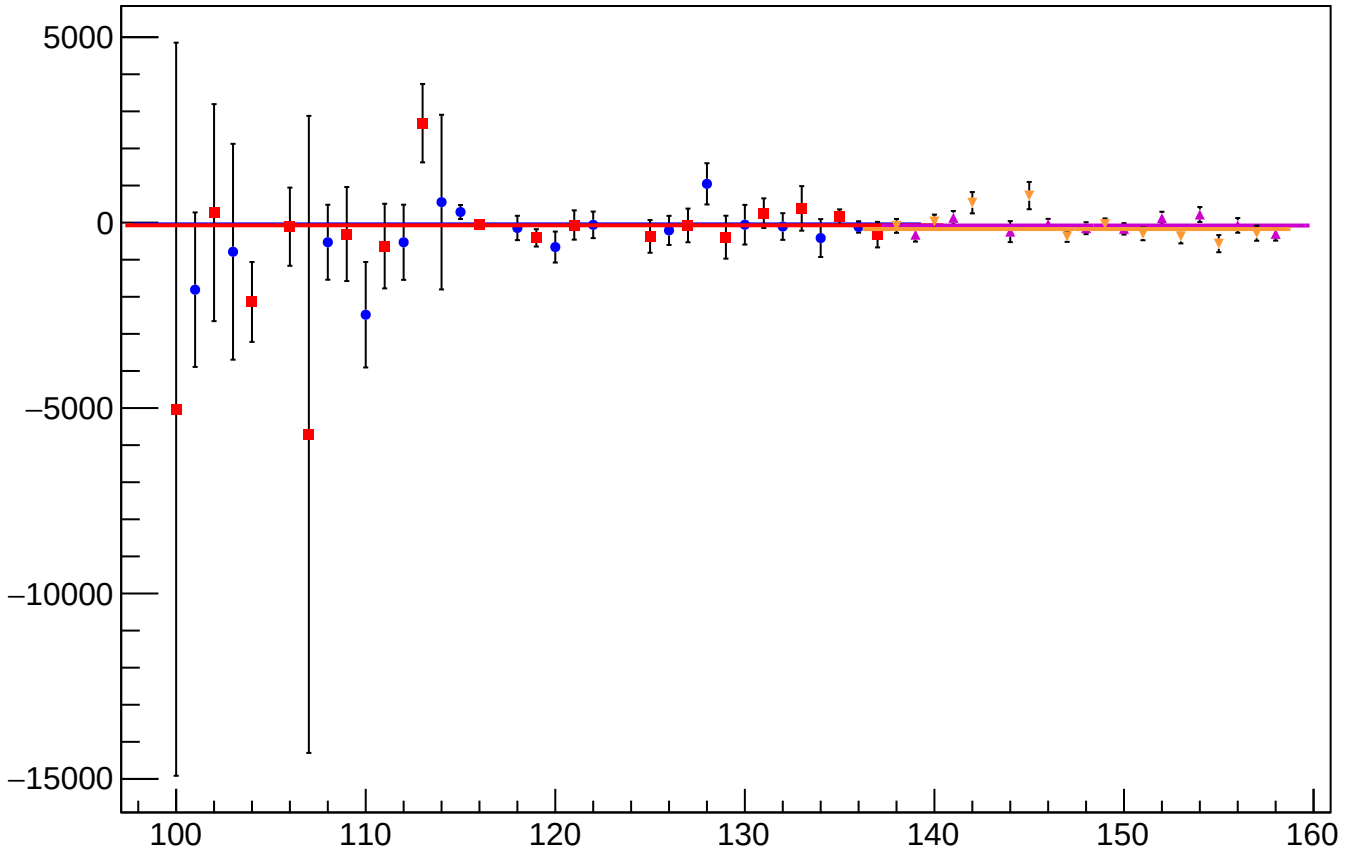
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2184.490+/-0.523 χ^2/NDF:1588.0/9

+ sign 2235.321+/-0.410 χ^2/NDF: 538257.5/25

All: 2239.453+/-0.286 χ^2/NDF: 723795.0/53

- sign 2243.351+/-0.398 χ^2/NDF: 185340.2/27



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -173.717+/-60.740 χ^2/NDF:21.0/9

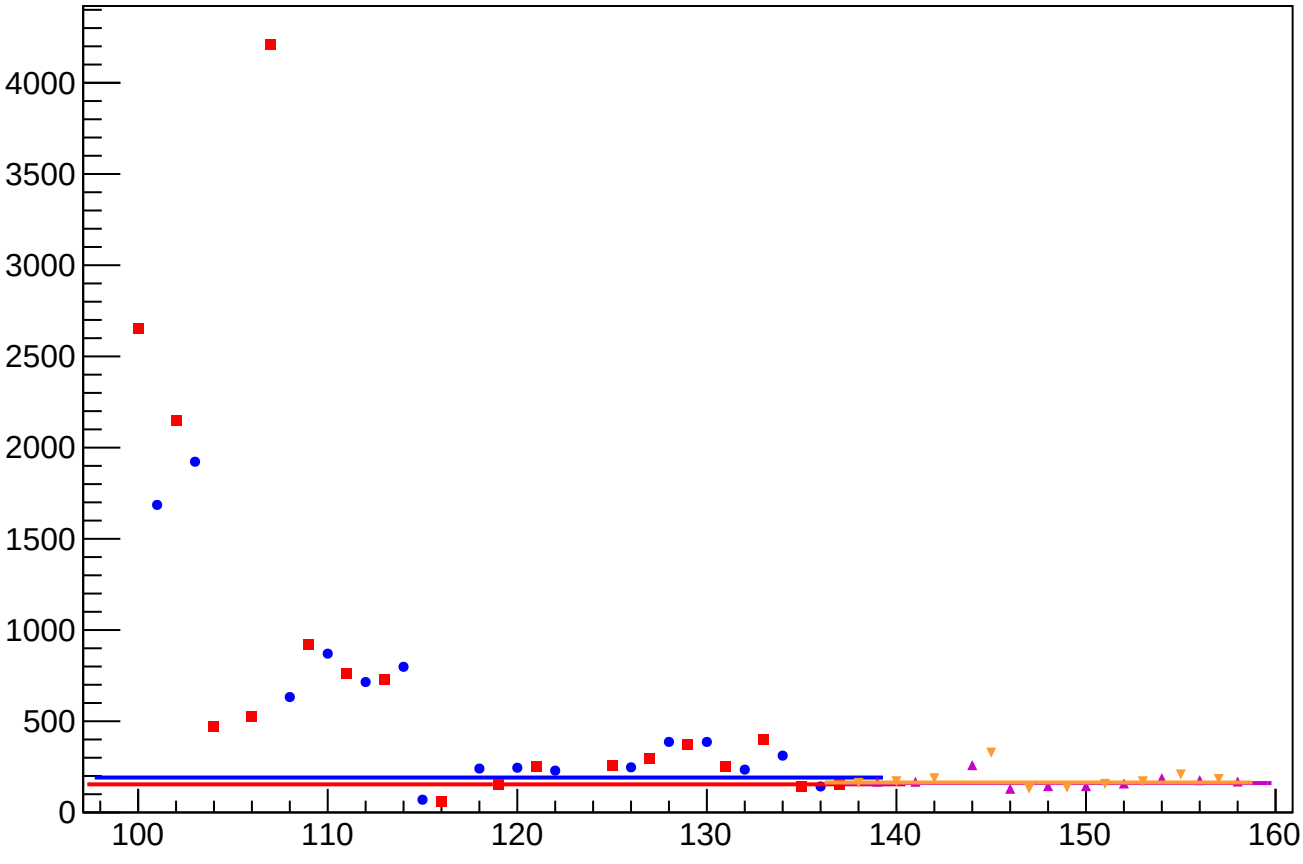
Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: -78.644+/-56.142 χ^2/NDF:9.0/9

+ sign -134.911+/-50.506 χ^2/NDF: 36.7/25

All: -103.277+/-34.162 χ^2/NDF: 63.8/53

- sign -76.597+/-46.382 χ^2/NDF: 26.5/27



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 164.320+/-0.043 χ^2/NDF:681295.8/9

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

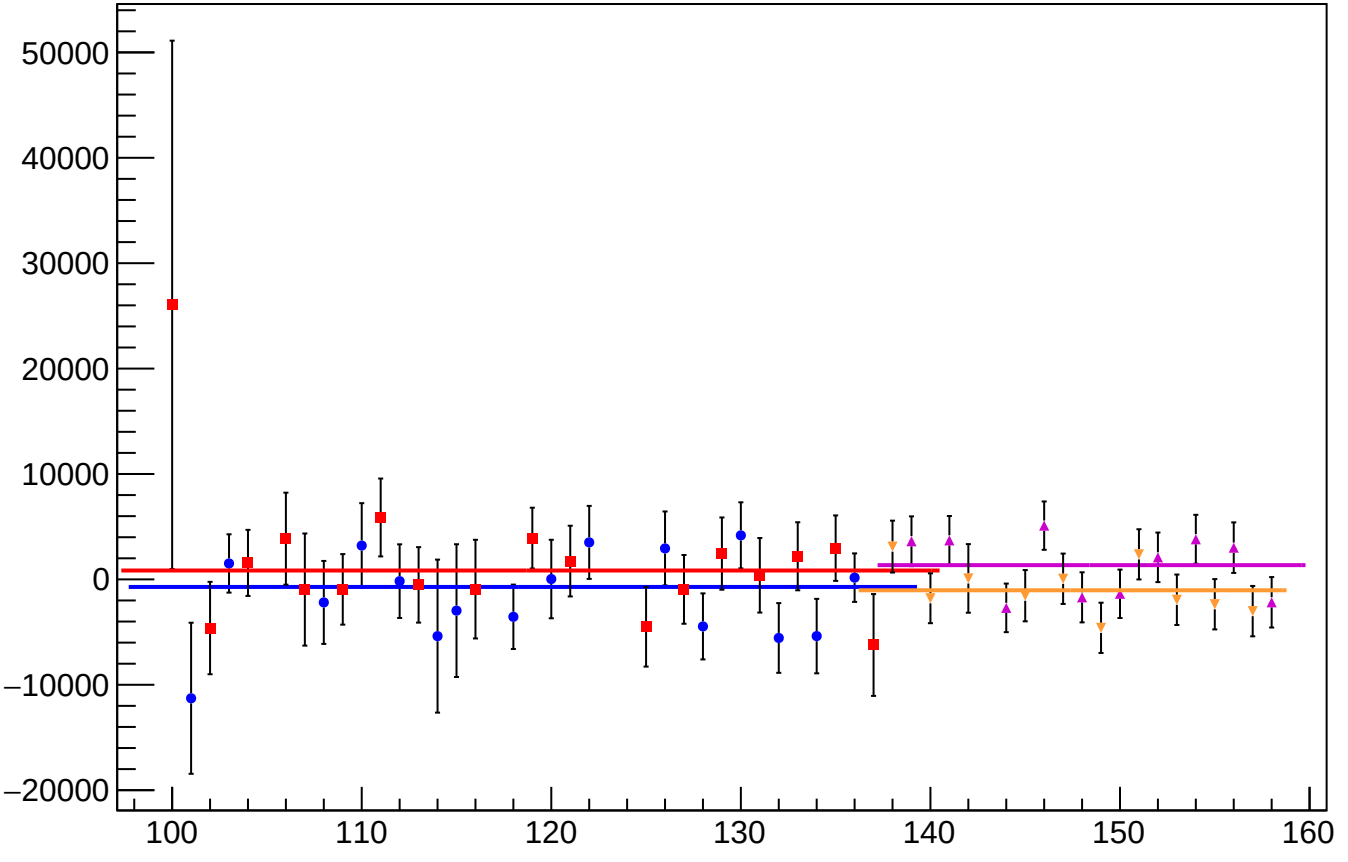
Left In: 161.160+/-0.040 χ^2/NDF:445435.1/9

+ sign 172.678+/-0.036 χ^2/NDF: 5867616.8/25

All: 165.218+/-0.024 χ^2/NDF: 12512138.9/53

- sign 158.926+/-0.033 χ^2/NDF: 6564081.6/27

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -717.136+/-873.539 χ^2/NDF: 15.8/15

Left Out: -1034.175+/-776.176 χ^2/NDF:8.7/9

Right Out: 842.157+/-873.586 χ^2/NDF: 12.2/17

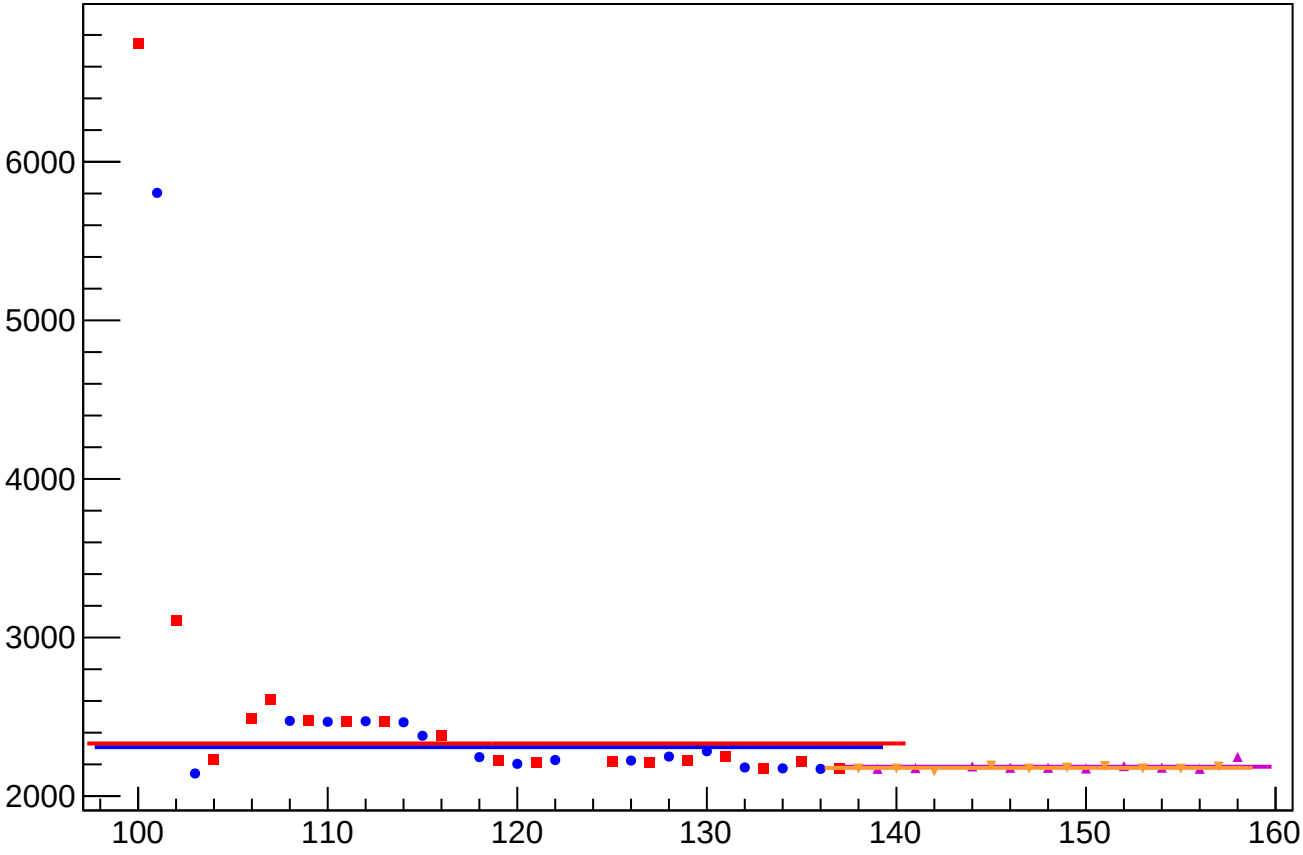
Left In: 1351.753+/-739.828 χ^2/NDF:14.6/9

+ sign -894.302+/-580.221 χ^2/NDF: 24.7/25

All: 150.098+/-404.632 χ^2/NDF: 58.0/53

- sign 1138.914+/-564.571 χ^2/NDF: 27.0/27

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2177.967+/-0.549 χ^2/NDF:262.9/9

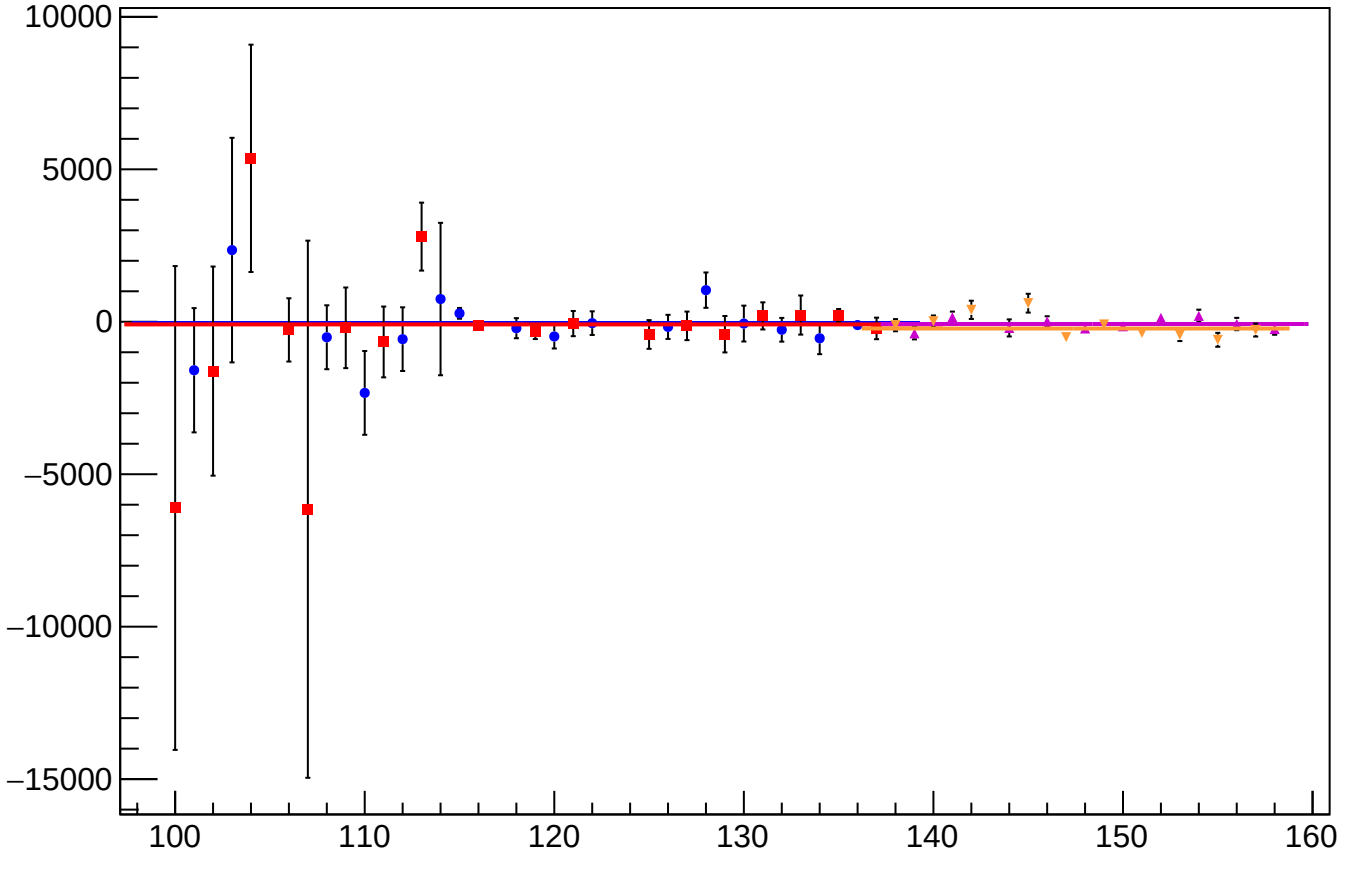
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2185.250+/-0.523 χ^2/NDF:1581.6/9

+ sign 2235.662+/-0.410 χ^2/NDF: 539052.4/25

All: 2241.219+/-0.286 χ^2/NDF: 741111.5/53

- sign 2246.479+/-0.399 χ^2/NDF: 201702.1/27



Right In: -40.119+/-92.409 χ^2/NDF: 14.1/15

Left Out: -220.764+/-61.656 χ^2/NDF:22.0/9

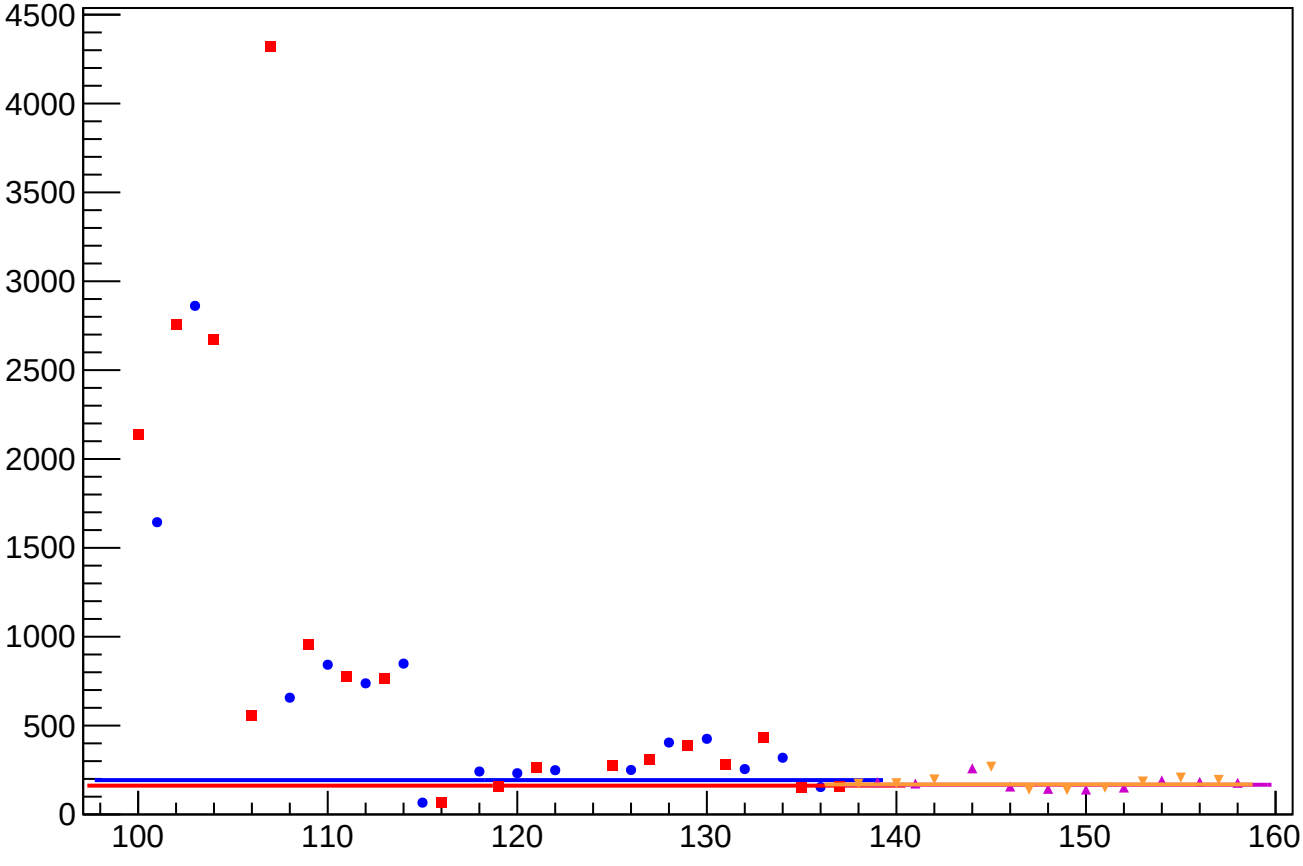
Right Out: -86.379+/-86.088 χ^2/NDF: 15.0/17

Left In: -72.576+/-57.530 χ^2/NDF:9.3/9

+ sign -165.118+/-51.288 χ^2/NDF: 38.7/25

All: -117.903+/-34.981 χ^2/NDF: 64.6/53

- sign -76.837+/-47.832 χ^2/NDF: 24.3/27



Right In: 193.255+/-0.065 χ^2/NDF: 5617847.0/15

Left Out: 168.876+/-0.044 χ^2/NDF:514555.6/9

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

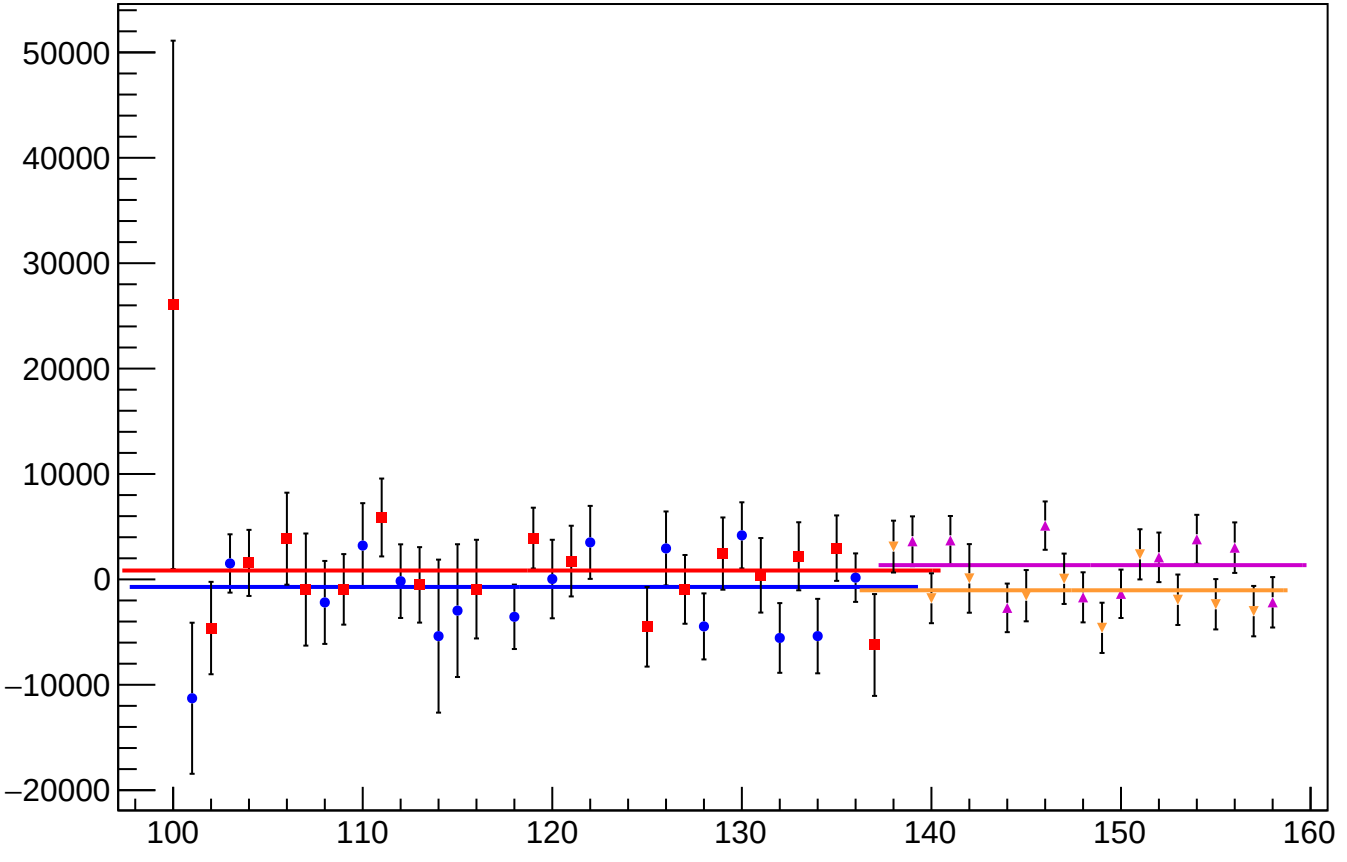
Left In: 167.014+/-0.041 χ^2/NDF:413613.2/9

+ sign 176.386+/-0.036 χ^2/NDF: 6228721.4/25

All: 170.565+/-0.025 χ^2/NDF: 13765478.4/53

- sign 165.501+/-0.034 χ^2/NDF: 7488581.8/27

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -717.137+/-873.539 χ^2/NDF: 15.8/15

Left Out: -1034.176+/-776.176 χ^2/NDF:8.7/9

Right Out: 842.159+/-873.586 χ^2/NDF: 12.2/17

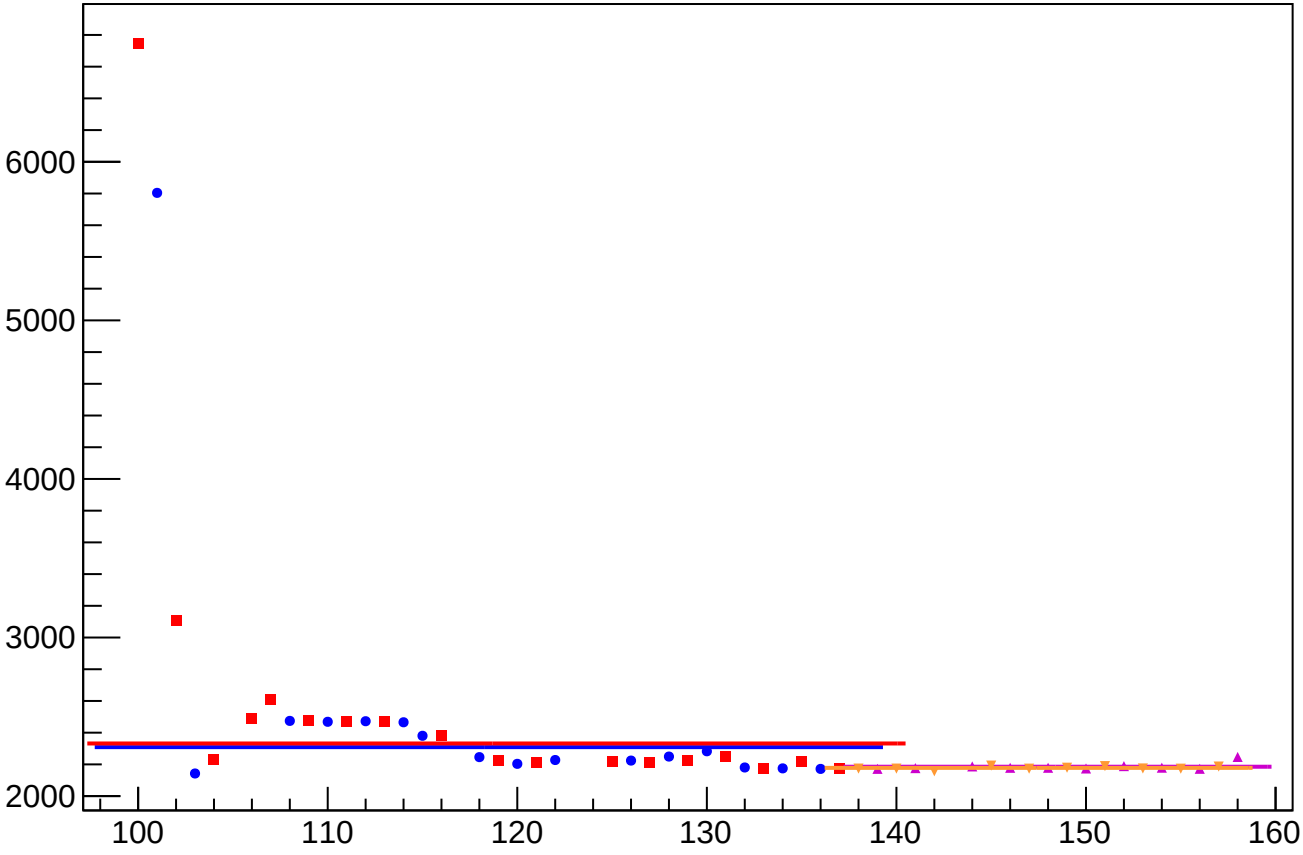
Left In: 1351.753+/-739.828 χ^2/NDF:14.6/9

+ sign -894.303+/-580.221 χ^2/NDF: 24.7/25

All: 150.097+/-404.632 χ^2/NDF: 58.0/53

- sign 1138.915+/-564.571 χ^2/NDF: 27.0/27

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2177.967+/-0.549 χ^2/NDF:262.9/9

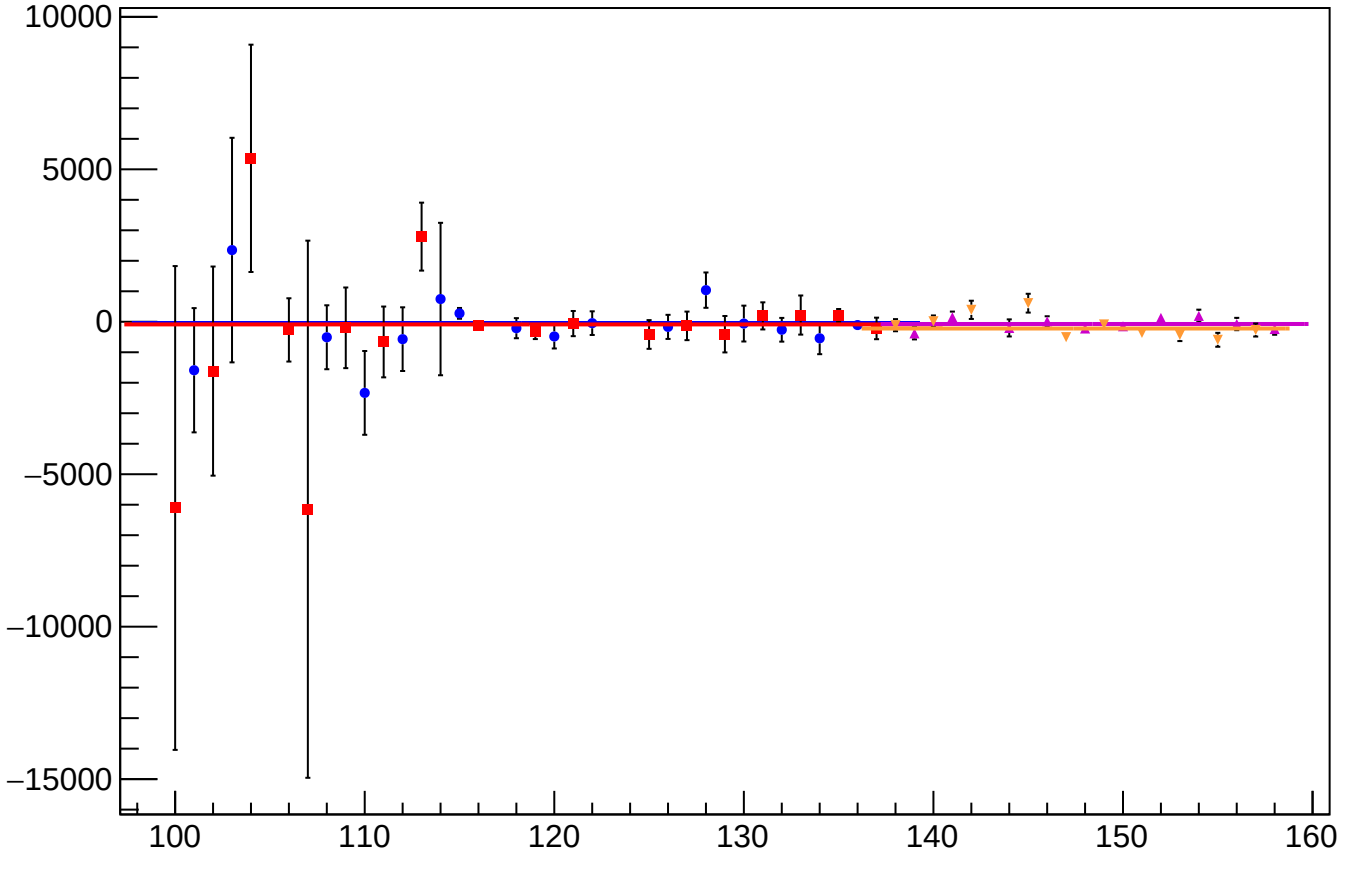
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2185.250+/-0.523 χ^2/NDF:1581.6/9

+ sign 2235.662+/-0.410 χ^2/NDF: 539052.4/25

All: 2241.219+/-0.286 χ^2/NDF: 741111.4/53

- sign 2246.479+/-0.399 χ^2/NDF: 201701.9/27



Right In: -40.116+/-92.408 χ^2/NDF: 14.1/15

Left Out: -220.766+/-61.656 χ^2/NDF:22.0/9

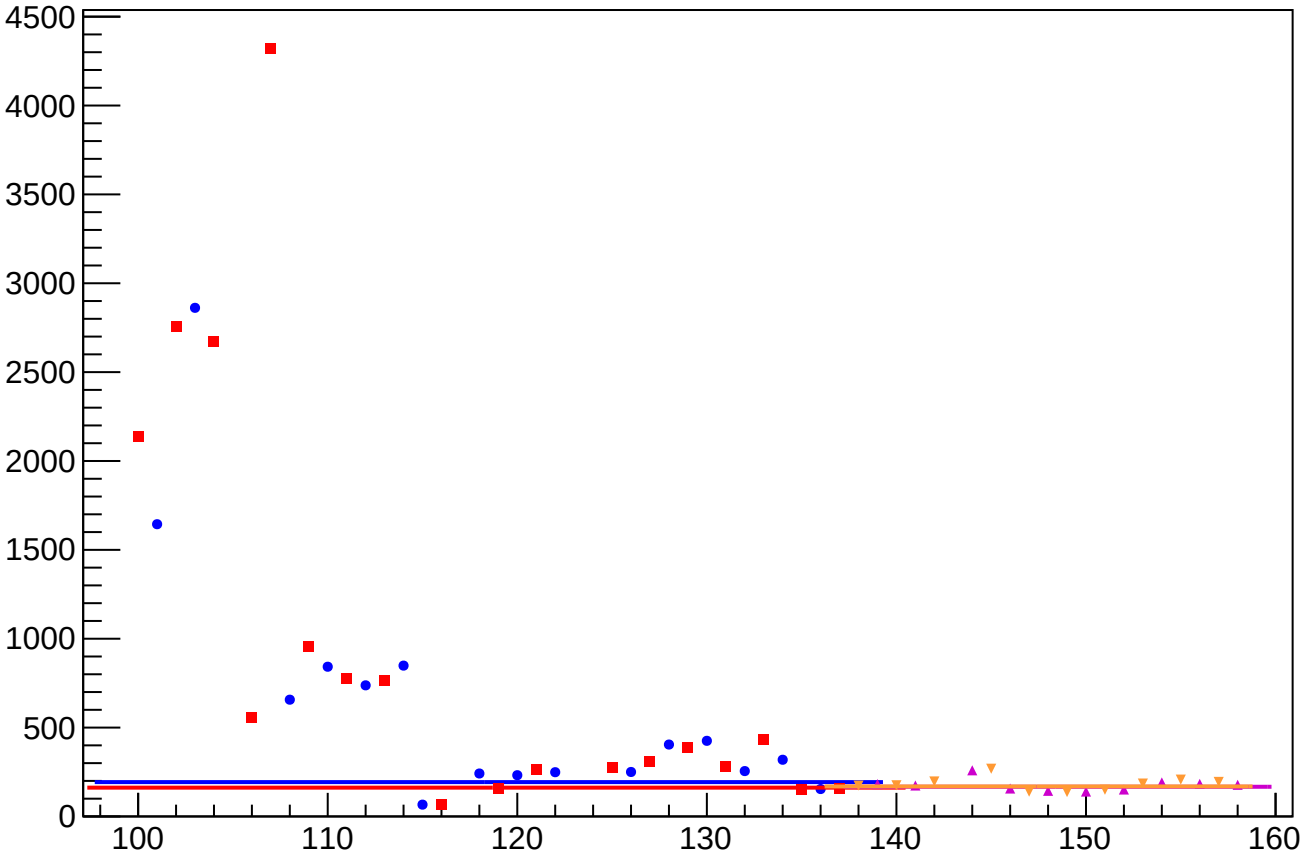
Right Out: -86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: -72.574+/-57.530 χ^2/NDF:9.3/9

+ sign -165.118+/-51.288 χ^2/NDF: 38.7/25

All: -117.903+/-34.981 χ^2/NDF: 64.6/53

- sign -76.836+/-47.832 χ^2/NDF: 24.3/27



Right In: 193.253+/-0.065 χ^2/NDF: 5617884.1/15

Left Out: 168.877+/-0.044 χ^2/NDF:514532.2/9

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

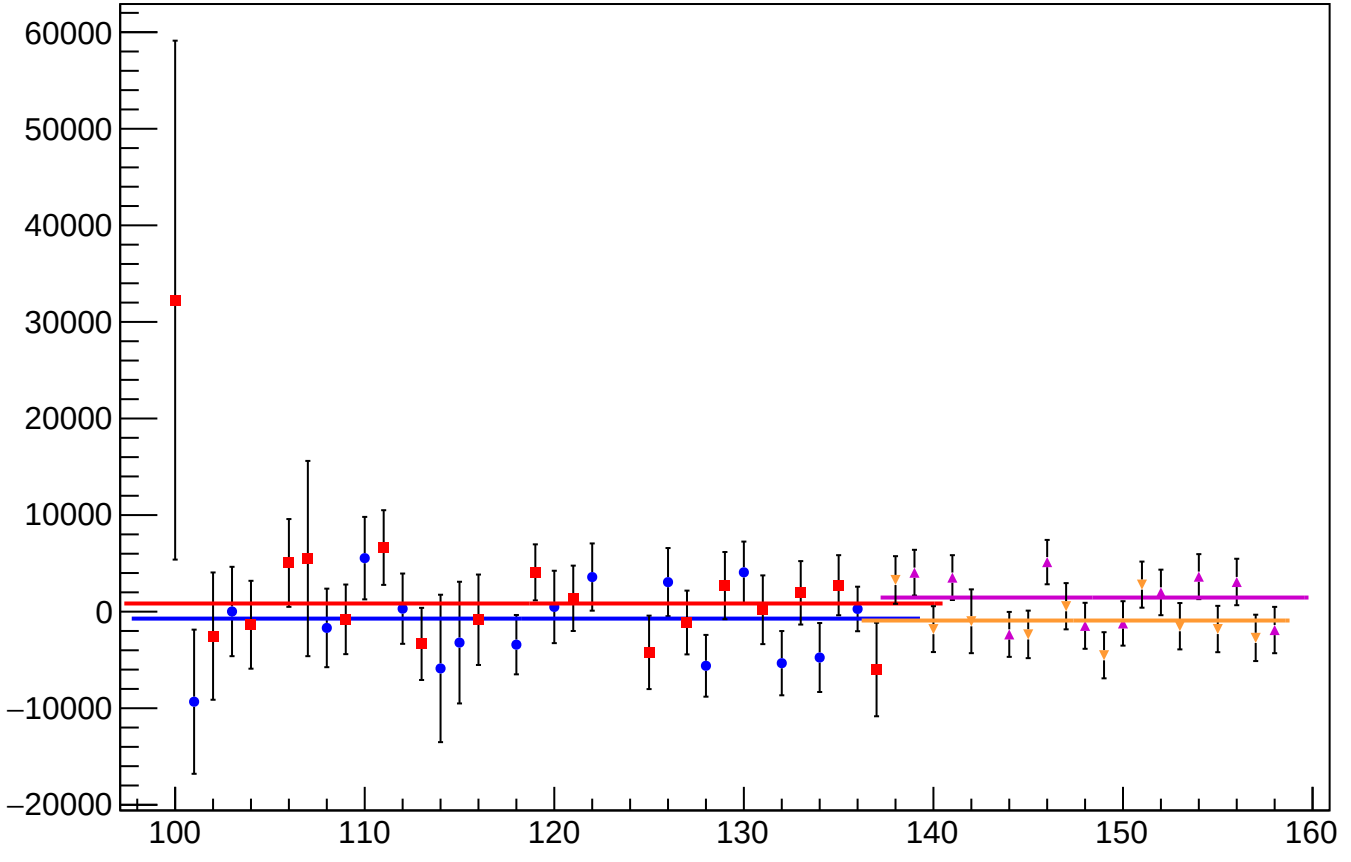
Left In: 167.015+/-0.041 χ^2/NDF:413602.6/9

+ sign 176.386+/-0.036 χ^2/NDF: 6228713.2/25

All: 170.565+/-0.025 χ^2/NDF: 13765525.2/53

- sign 165.501+/-0.034 χ^2/NDF: 7488635.4/27

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: -918.537+/-779.710 χ^2/NDF:9.2/9

Right Out: 844.810+/-928.703 χ^2/NDF: 12.9/17

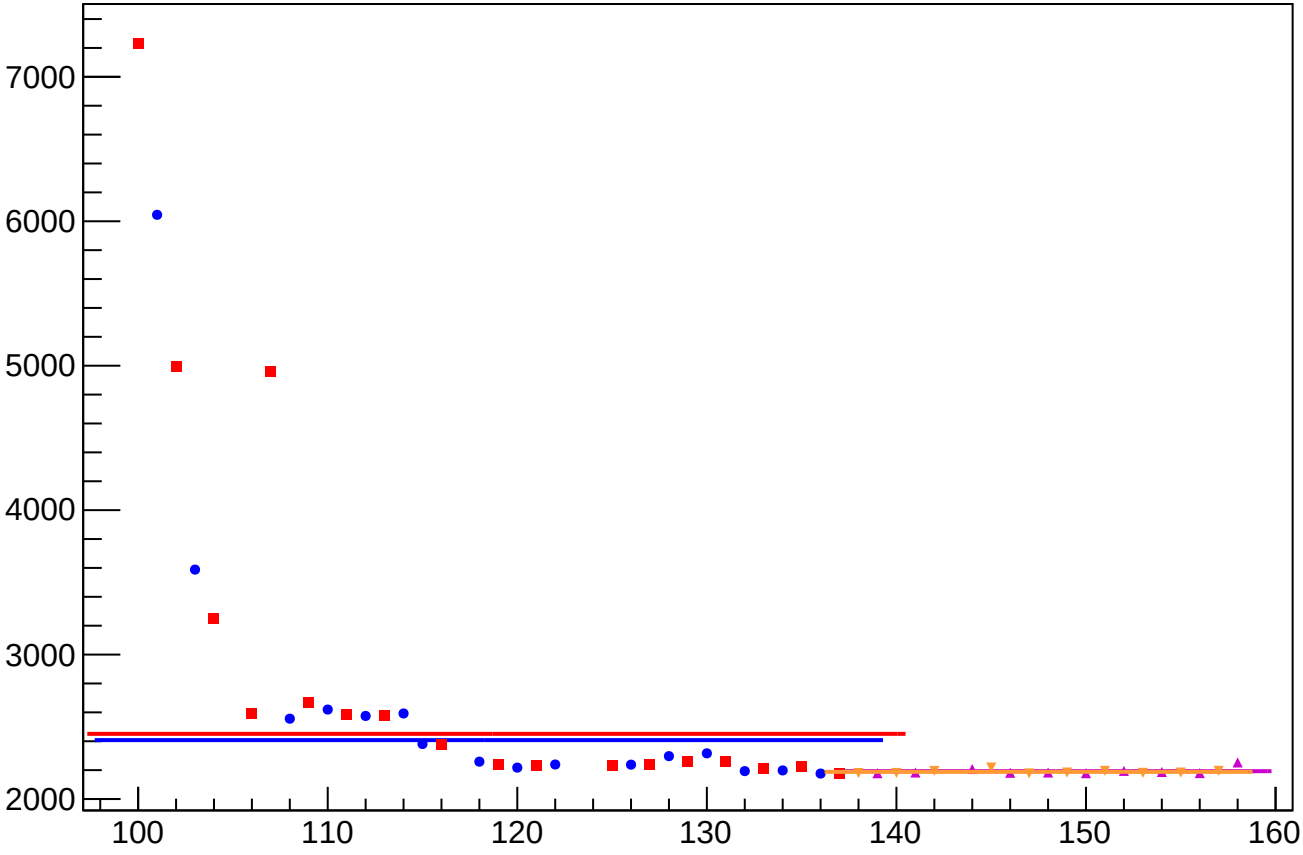
Left In: 1460.423+/-742.359 χ^2/NDF:13.4/9

+ sign -834.965+/-593.799 χ^2/NDF: 25.0/25

All: 217.119+/-414.866 χ^2/NDF: 57.8/53

- sign 1220.421+/-579.869 χ^2/NDF: 26.6/27

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2188.193+/-0.551 χ^2/NDF:451.3/9

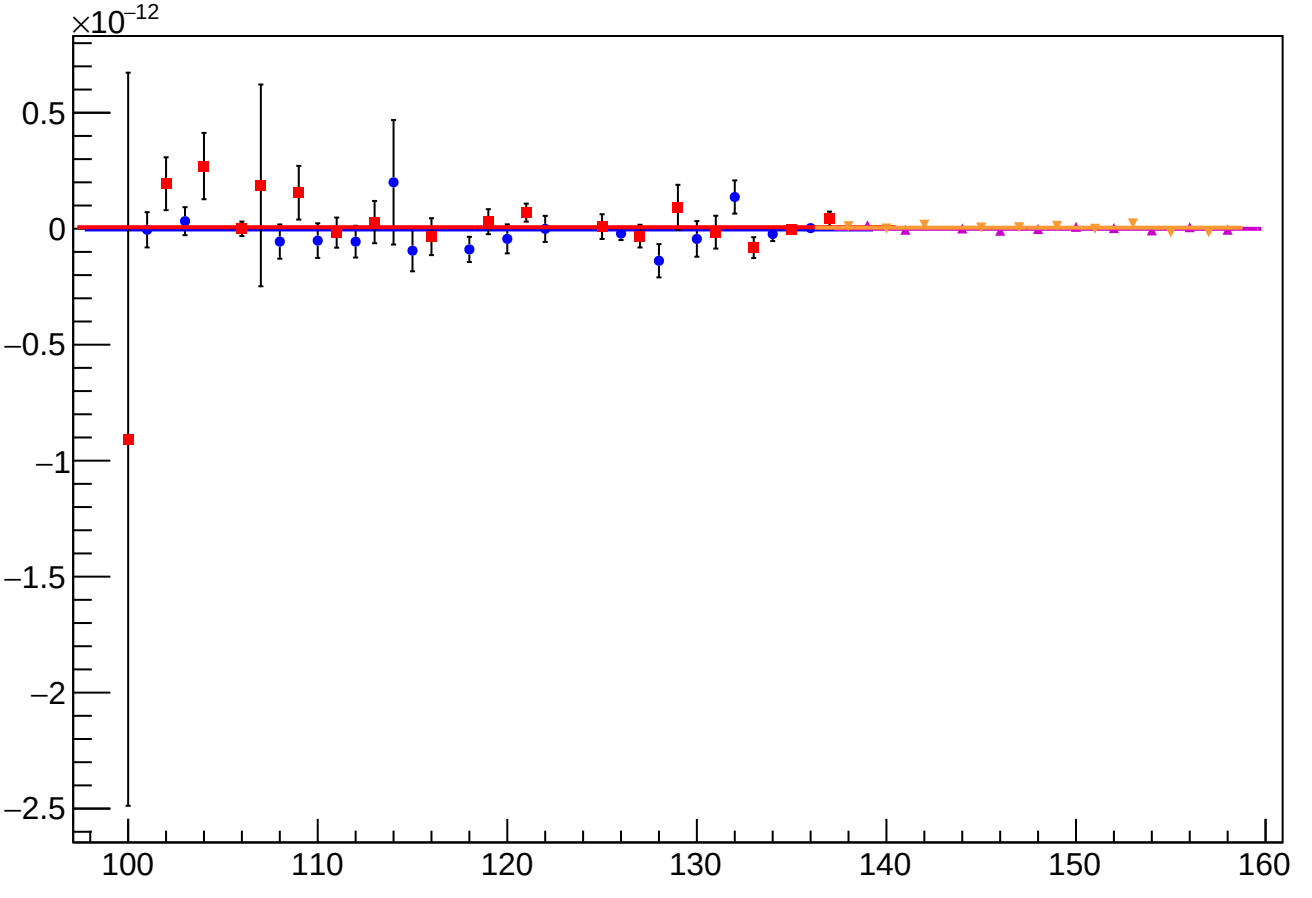
Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2192.717+/-0.525 χ^2/NDF:1679.2/9

+ sign 2280.430+/-0.420 χ^2/NDF: 743978.4/25

All: 2287.112+/-0.293 χ^2/NDF: 1474274.8/53

- sign 2293.485+/-0.410 χ^2/NDF: 729801.5/27



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/9

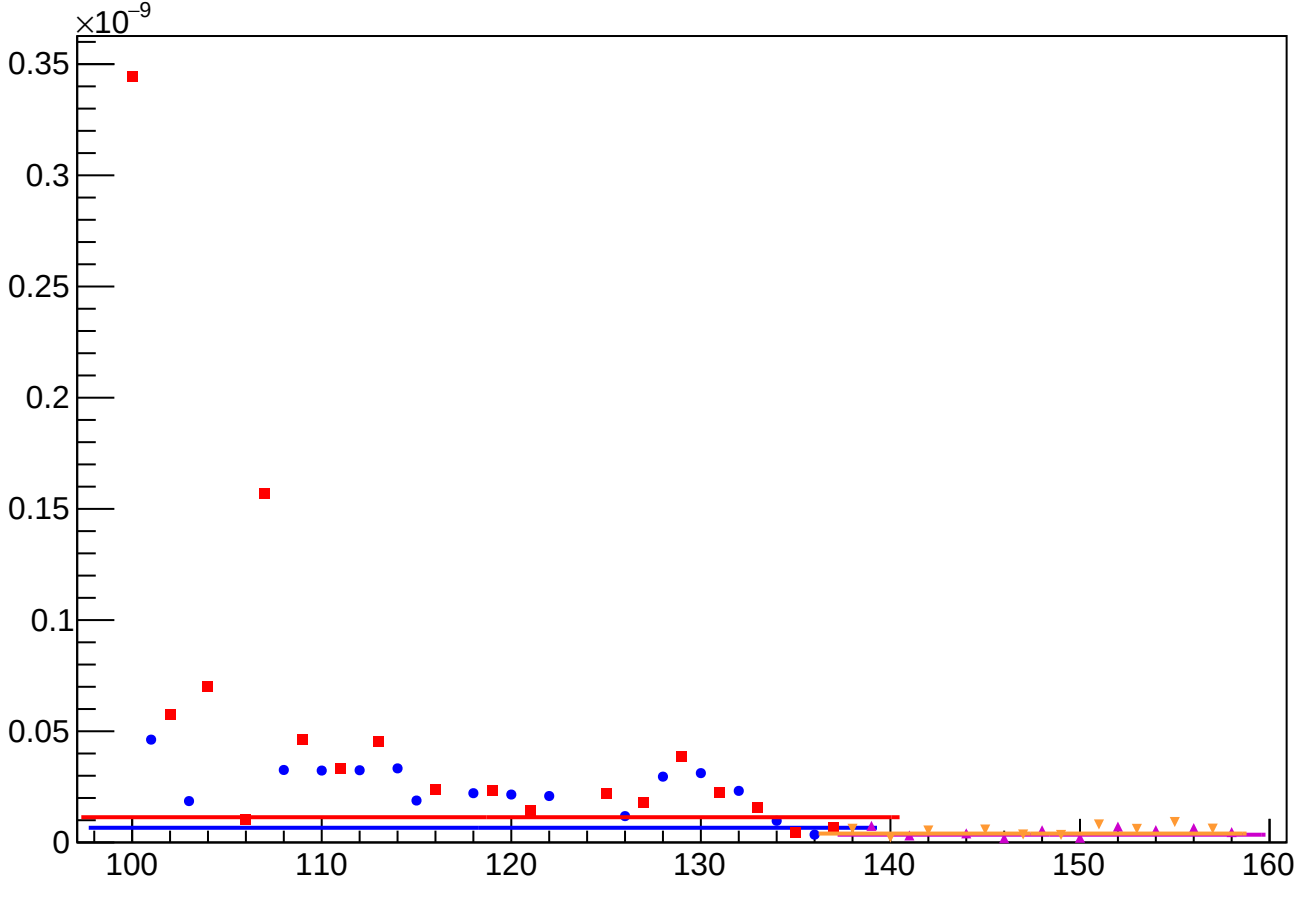
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: -0.000+/-0.000 χ^2/NDF:8.7/9

+ sign 0.000+/-0.000 χ^2/NDF: 27.4/25

All: 0.000+/-0.000 χ^2/NDF: 56.4/53

- sign 0.000+/-0.000 χ^2/NDF: 28.0/27



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1141955.2/9

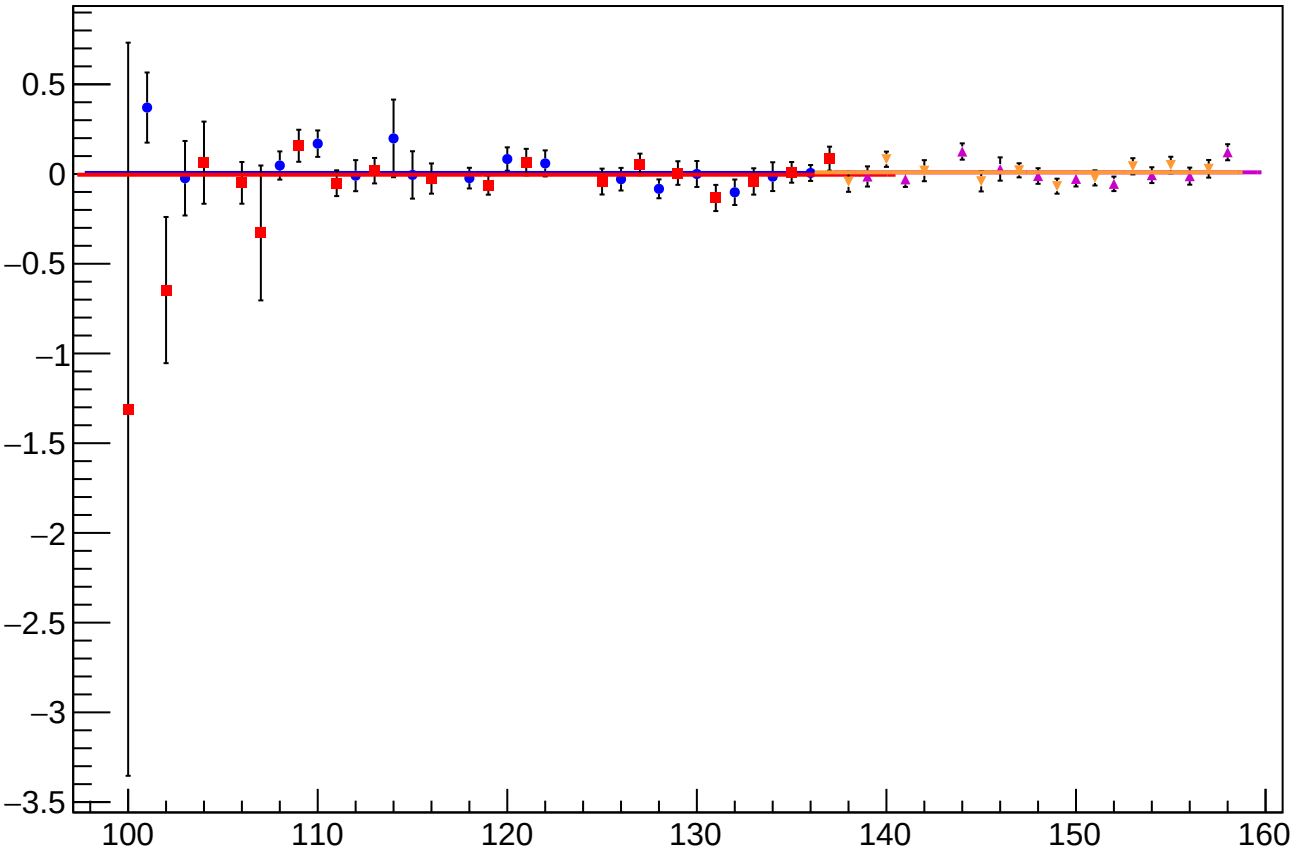
Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1014146.4/9

+ sign 0.000+/-0.000 χ^2/NDF: 4291118.3/25

All: 0.000+/-0.000 χ^2/NDF: 9264531.0/53

- sign 0.000+/-0.000 χ^2/NDF: 4937027.9/27



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.009+/-0.015 χ^2/NDF:10.1/9

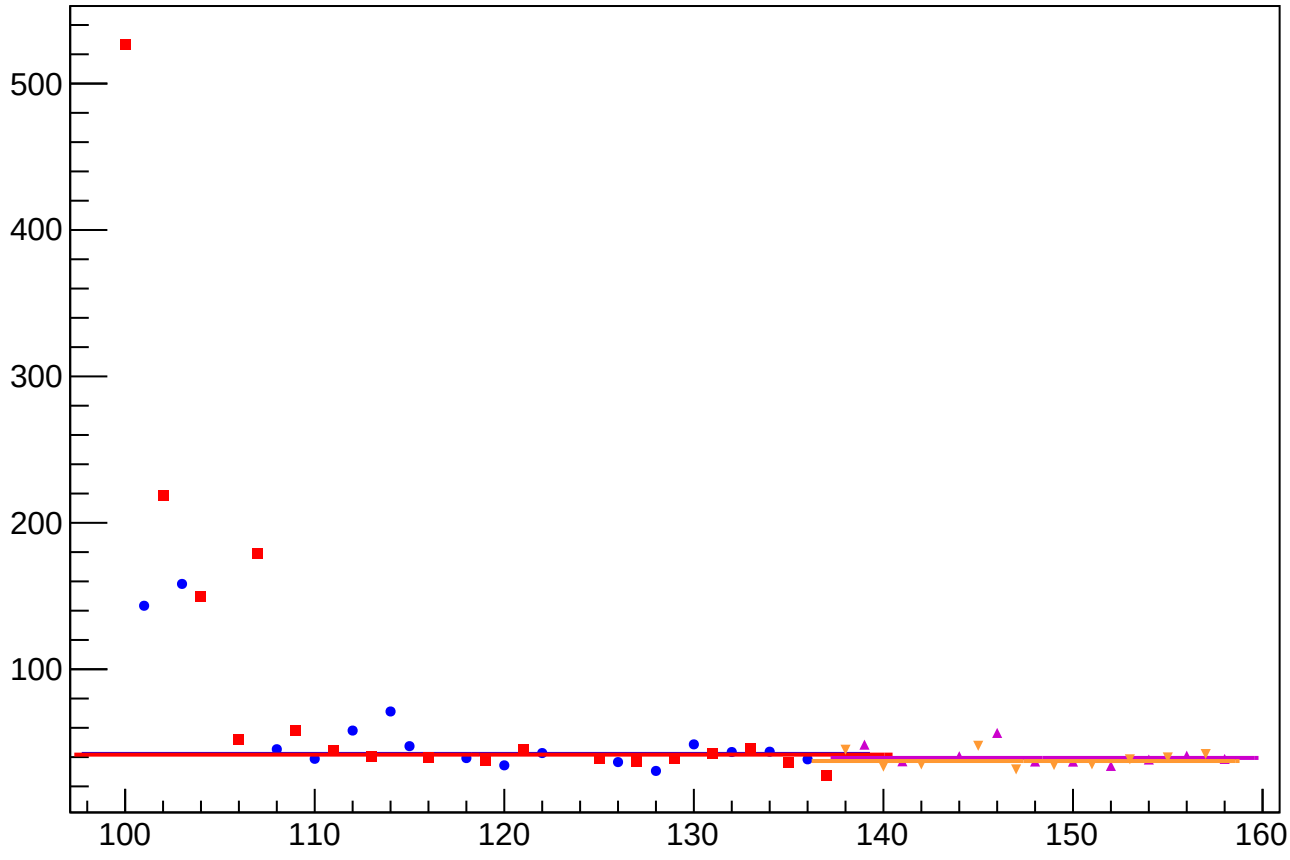
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.009+/-0.015 χ^2/NDF:17.7/9

+ sign 0.008+/-0.011 χ^2/NDF: 27.4/25

All: 0.006+/-0.008 χ^2/NDF: 61.7/53

- sign 0.004+/-0.011 χ^2/NDF: 34.3/27



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 37.324+/-0.010 χ^2/NDF:207061.7/9

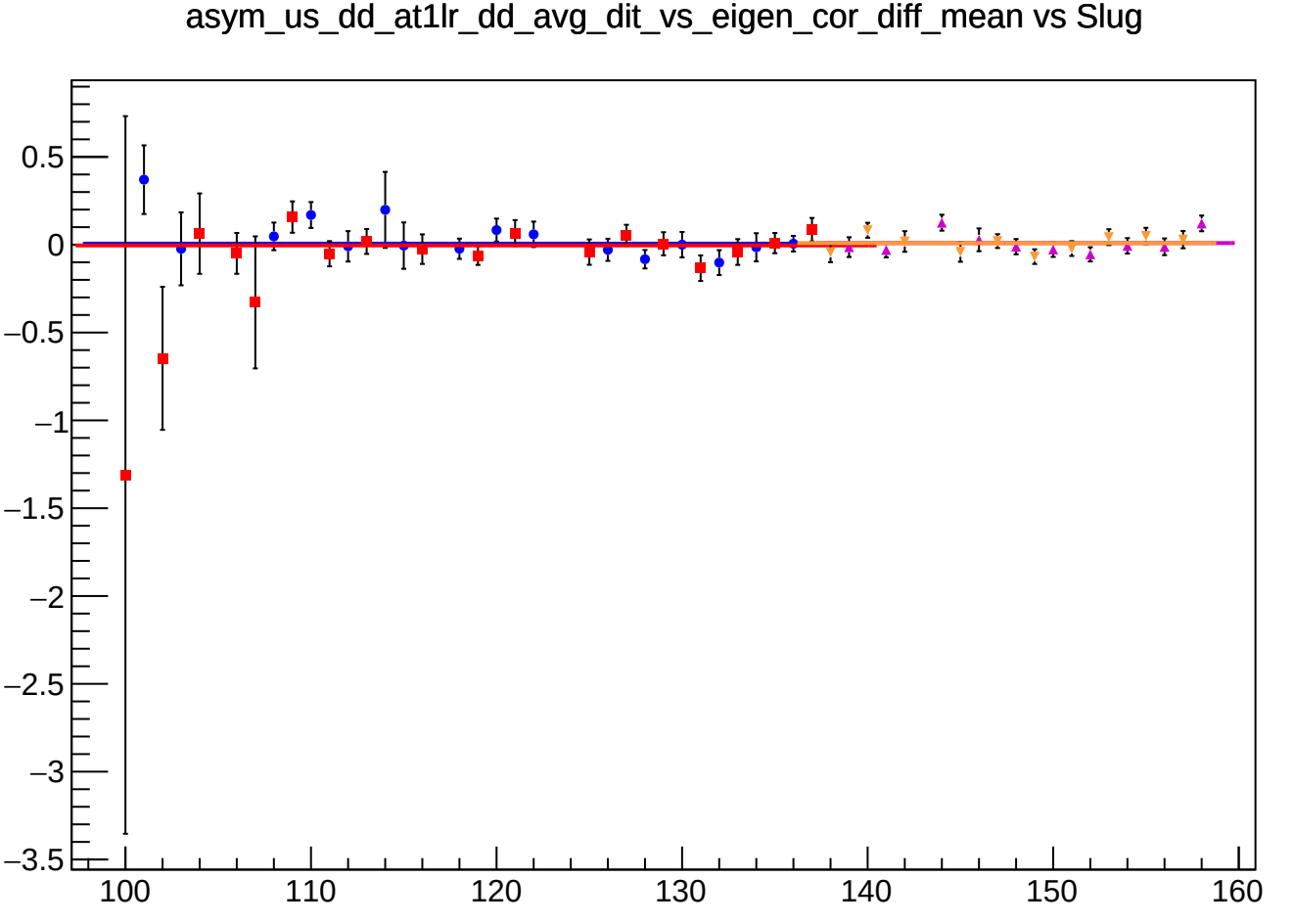
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.435+/-0.010 χ^2/NDF:250922.7/9

+ sign 39.229+/-0.008 χ^2/NDF: 1746716.4/25

All: 39.760+/-0.006 χ^2/NDF: 3465740.9/53

- sign 40.290+/-0.008 χ^2/NDF: 1710434.7/27



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.009+/-0.015 χ^2/NDF:10.1/9

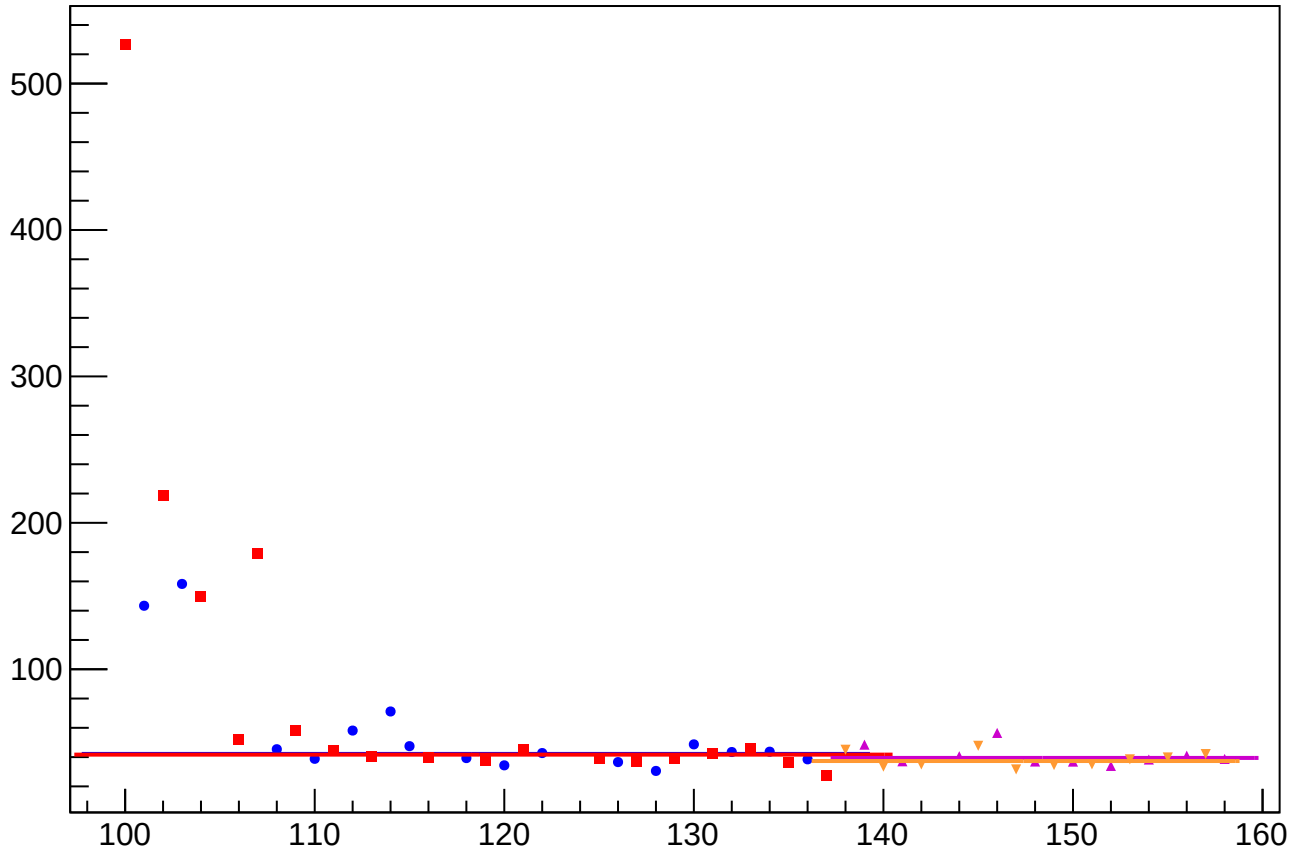
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.009+/-0.015 χ^2/NDF:17.7/9

+ sign 0.008+/-0.011 χ^2/NDF: 27.4/25

All: 0.006+/-0.008 χ^2/NDF: 61.7/53

- sign 0.004+/-0.011 χ^2/NDF: 34.3/27



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 37.324+/-0.010 χ^2/NDF:207061.7/9

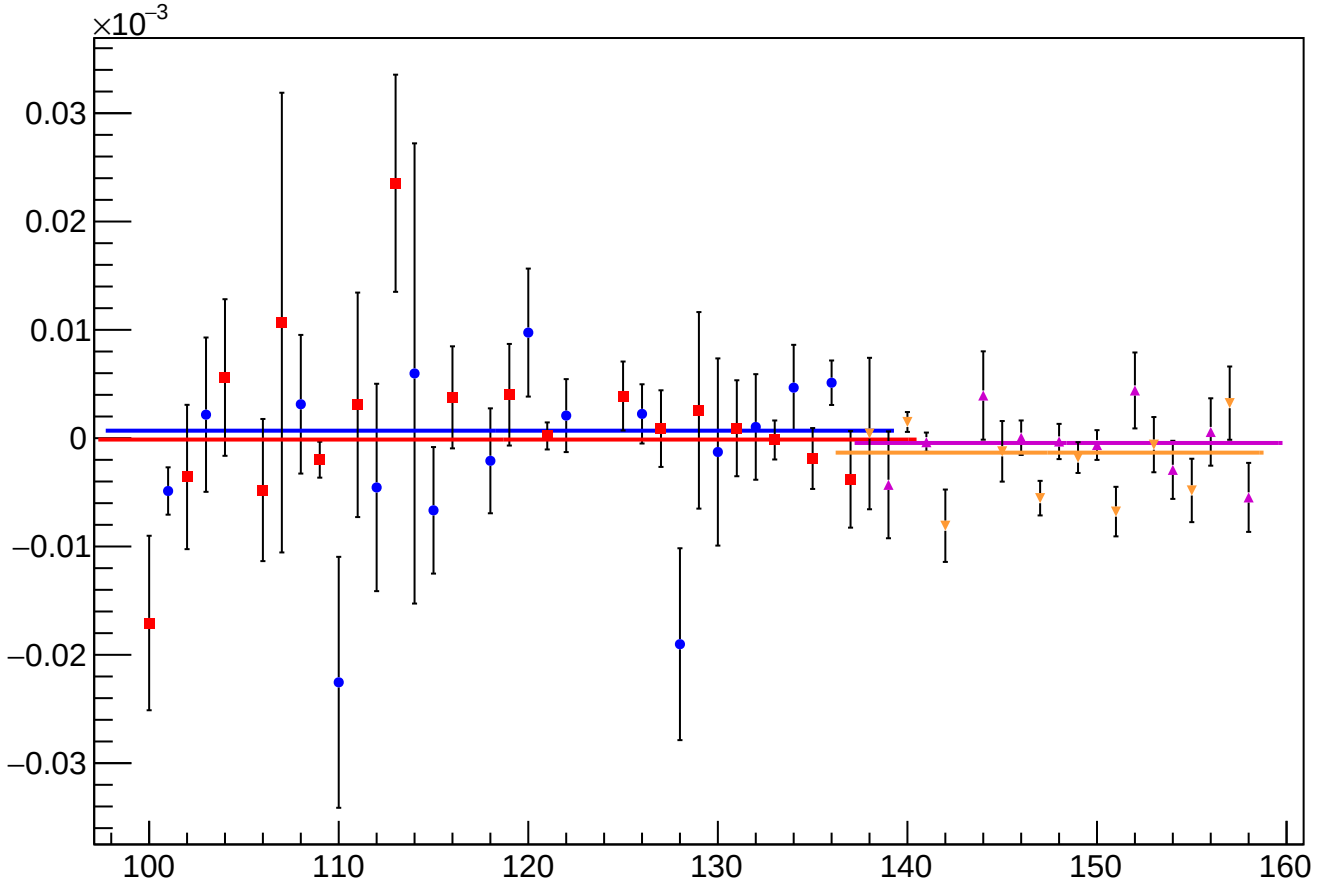
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.435+/-0.010 χ^2/NDF:250922.7/9

+ sign 39.229+/-0.008 χ^2/NDF: 1746716.4/25

All: 39.760+/-0.006 χ^2/NDF: 3465740.9/53

- sign 40.290+/-0.008 χ^2/NDF: 1710434.7/27



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.7/9

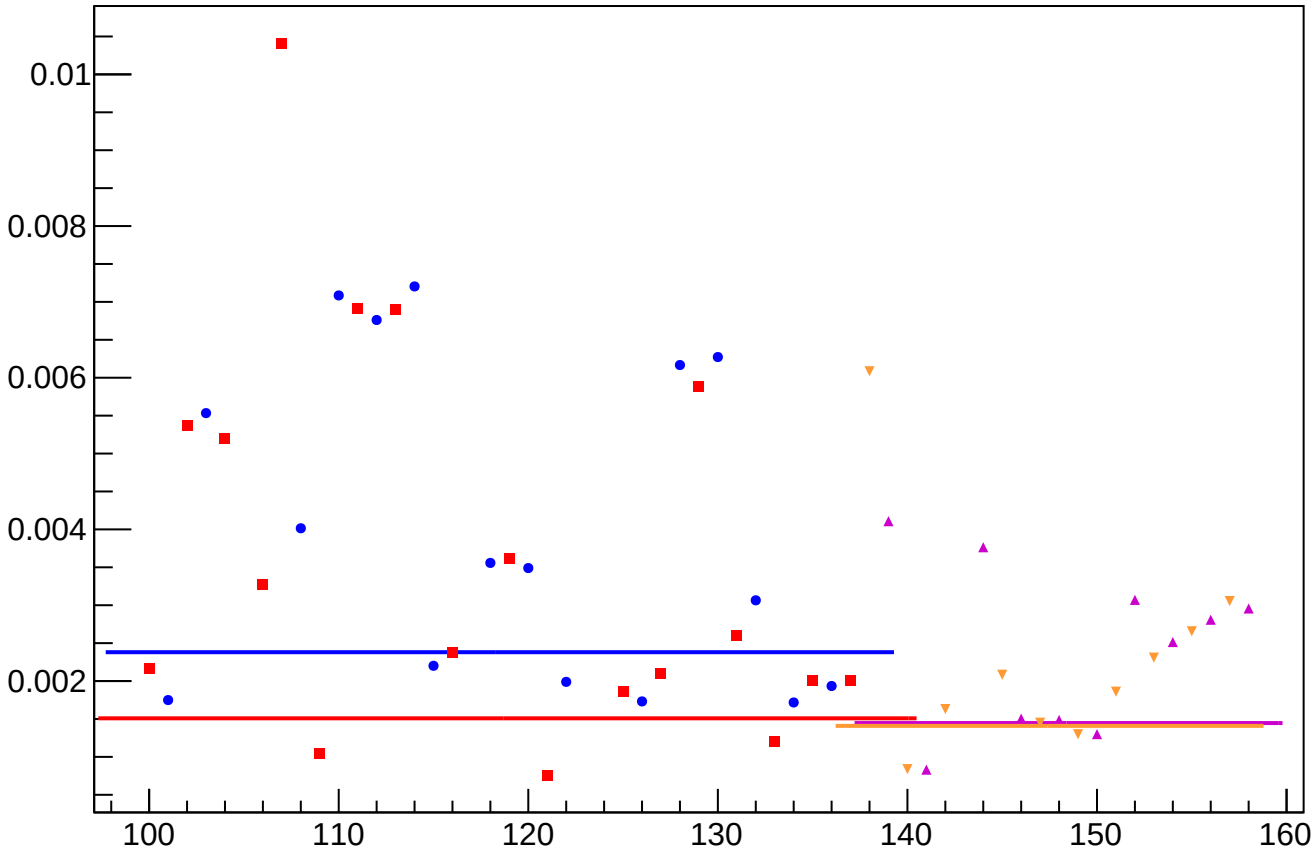
Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: -0.000+/-0.000 χ^2/NDF:7.3/9

\+ sign -0.000+/-0.000 χ^2/NDF: 59.1/25

All: -0.000+/-0.000 χ^2/NDF: 84.5/53

\- sign -0.000+/-0.000 χ^2/NDF: 24.8/27



Right In: 0.002+/-0.000 χ^2/NDF: 2832488.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:2970041.8/9

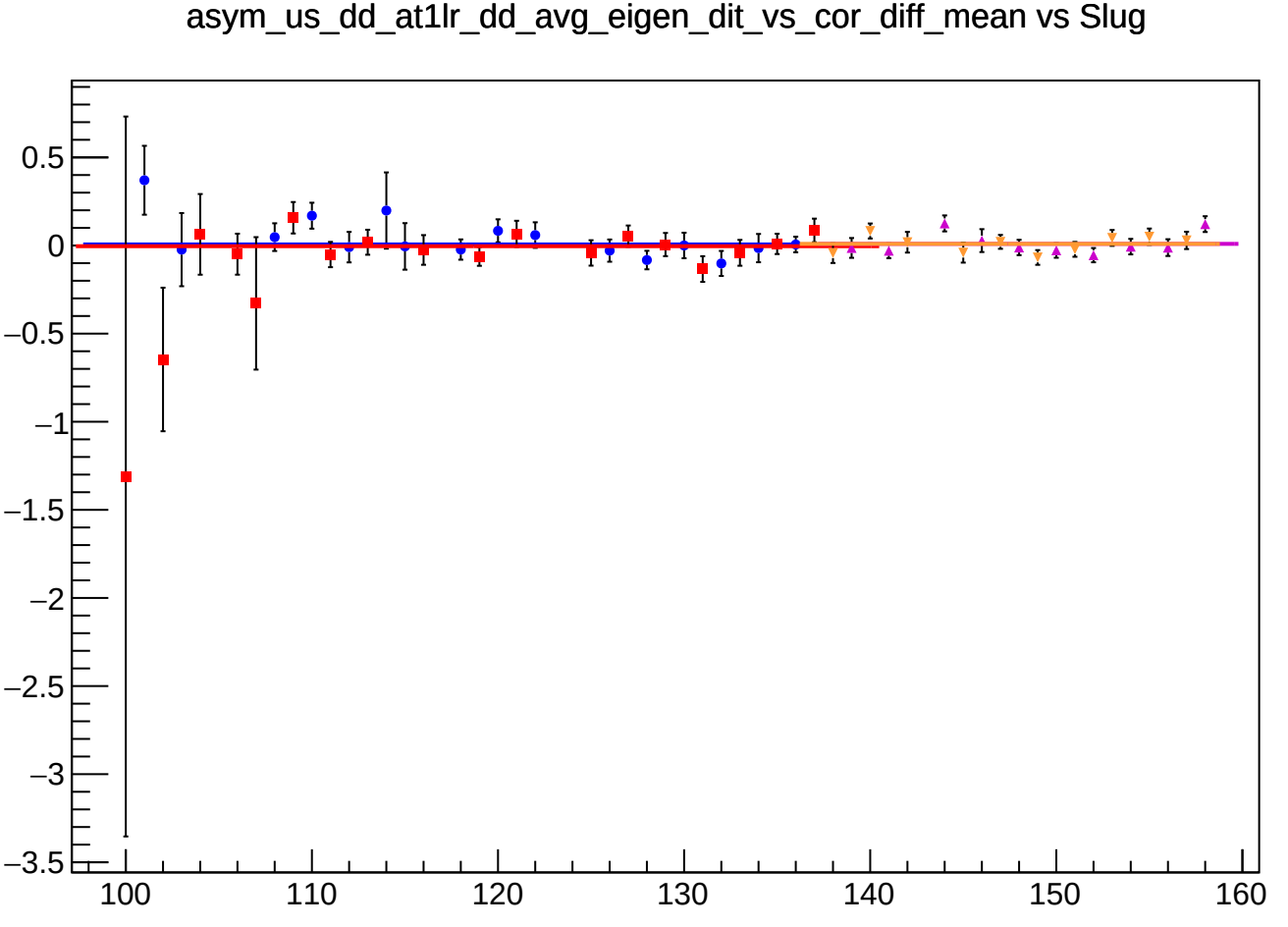
Right Out: 0.002+/-0.000 χ^2/NDF: 5001667.0/17

Left In: 0.001+/-0.000 χ^2/NDF:3794714.4/9

+ sign 0.002+/-0.000 χ^2/NDF: 7165863.2/25

All: 0.002+/-0.000 χ^2/NDF: 16118511.4/53

- sign 0.001+/-0.000 χ^2/NDF: 8805588.8/27



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.009+/-0.015 χ^2/NDF:10.1/9

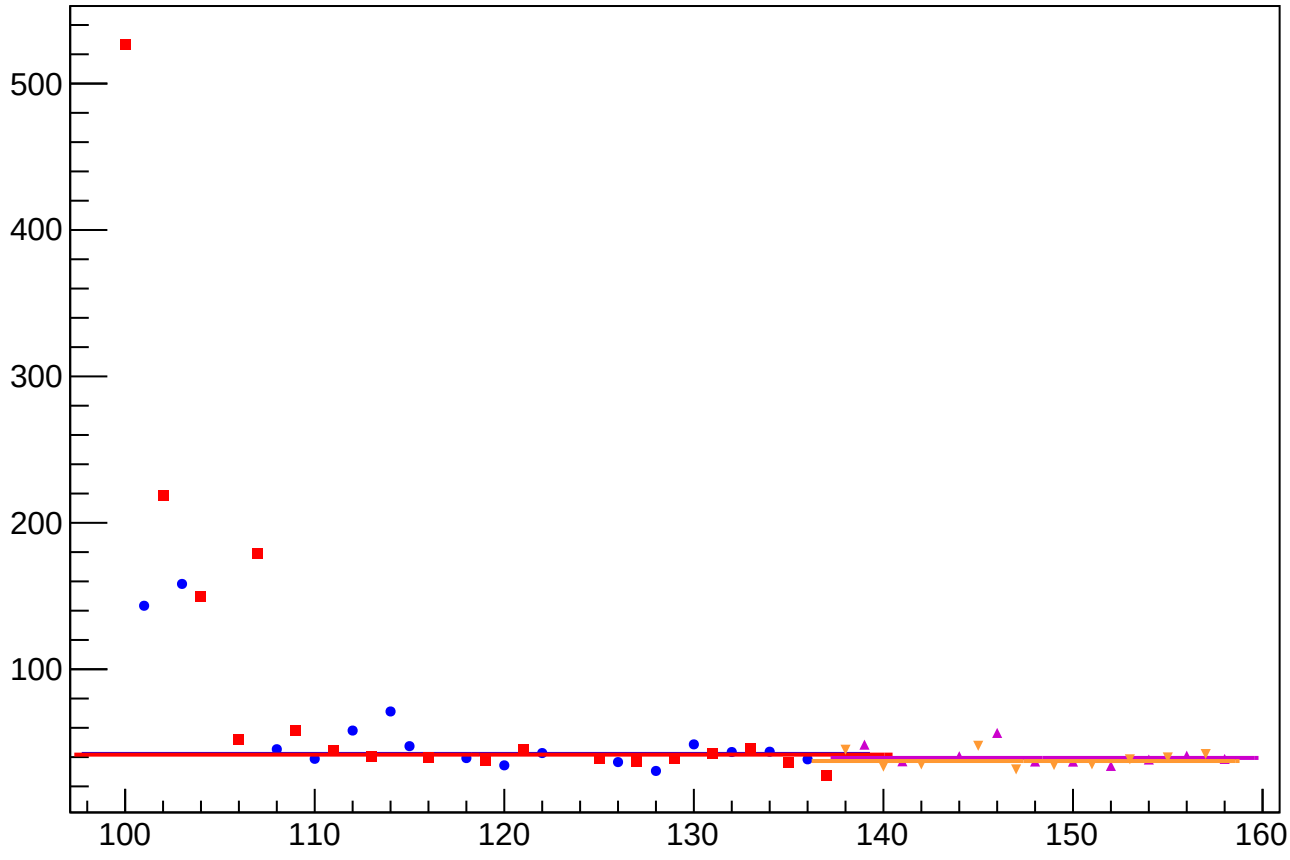
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.009+/-0.015 χ^2/NDF:17.7/9

+ sign 0.008+/-0.011 χ^2/NDF: 27.4/25

All: 0.006+/-0.008 χ^2/NDF: 61.7/53

- sign 0.004+/-0.011 χ^2/NDF: 34.3/27



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 37.324+/-0.010 χ^2/NDF:207032.4/9

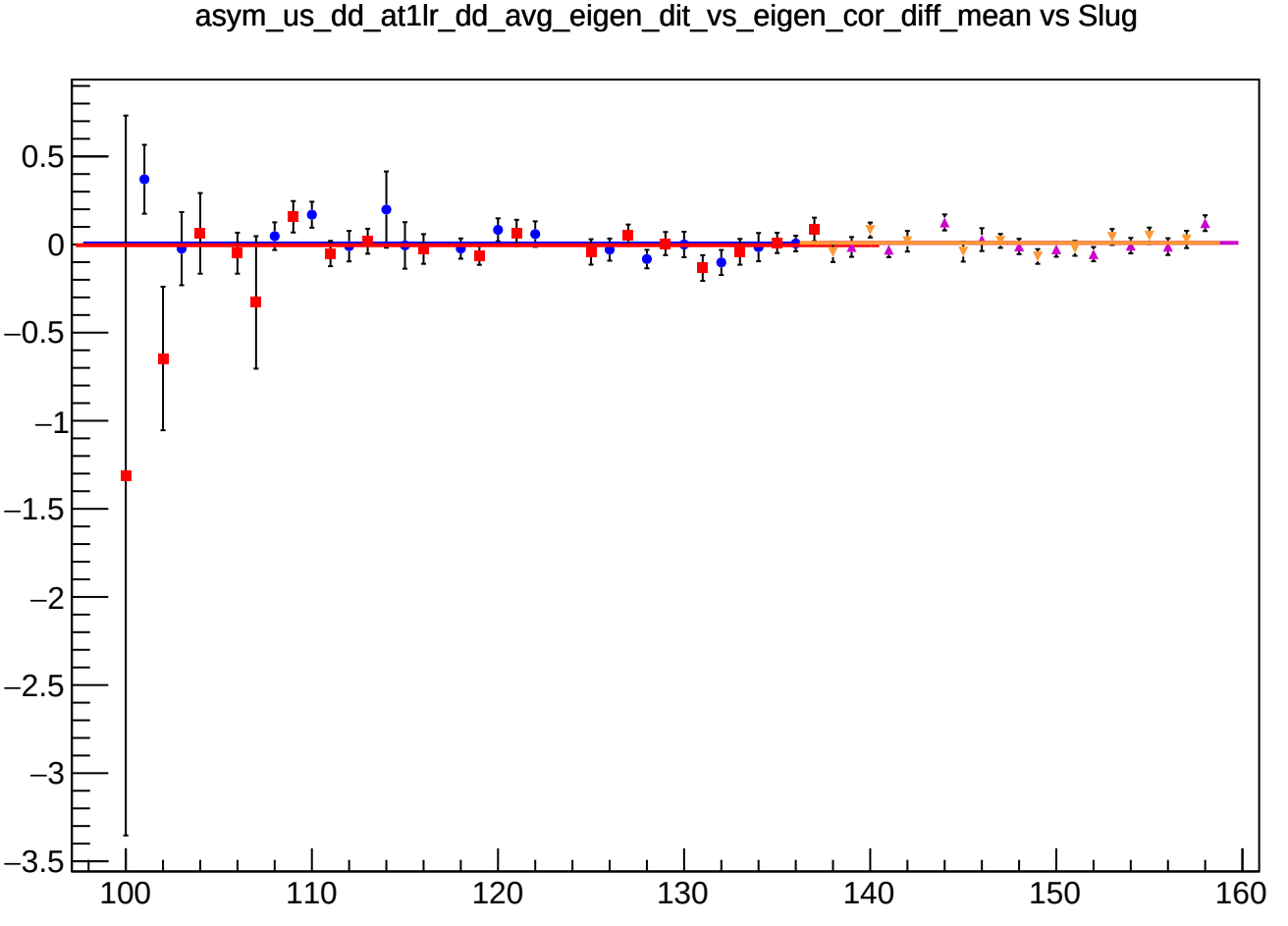
Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.435+/-0.010 χ^2/NDF:250954.0/9

+ sign 39.229+/-0.008 χ^2/NDF: 1746810.9/25

All: 39.760+/-0.006 χ^2/NDF: 3465869.9/53

- sign 40.290+/-0.008 χ^2/NDF: 1710455.0/27



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.009+/-0.015 χ^2/NDF:10.1/9

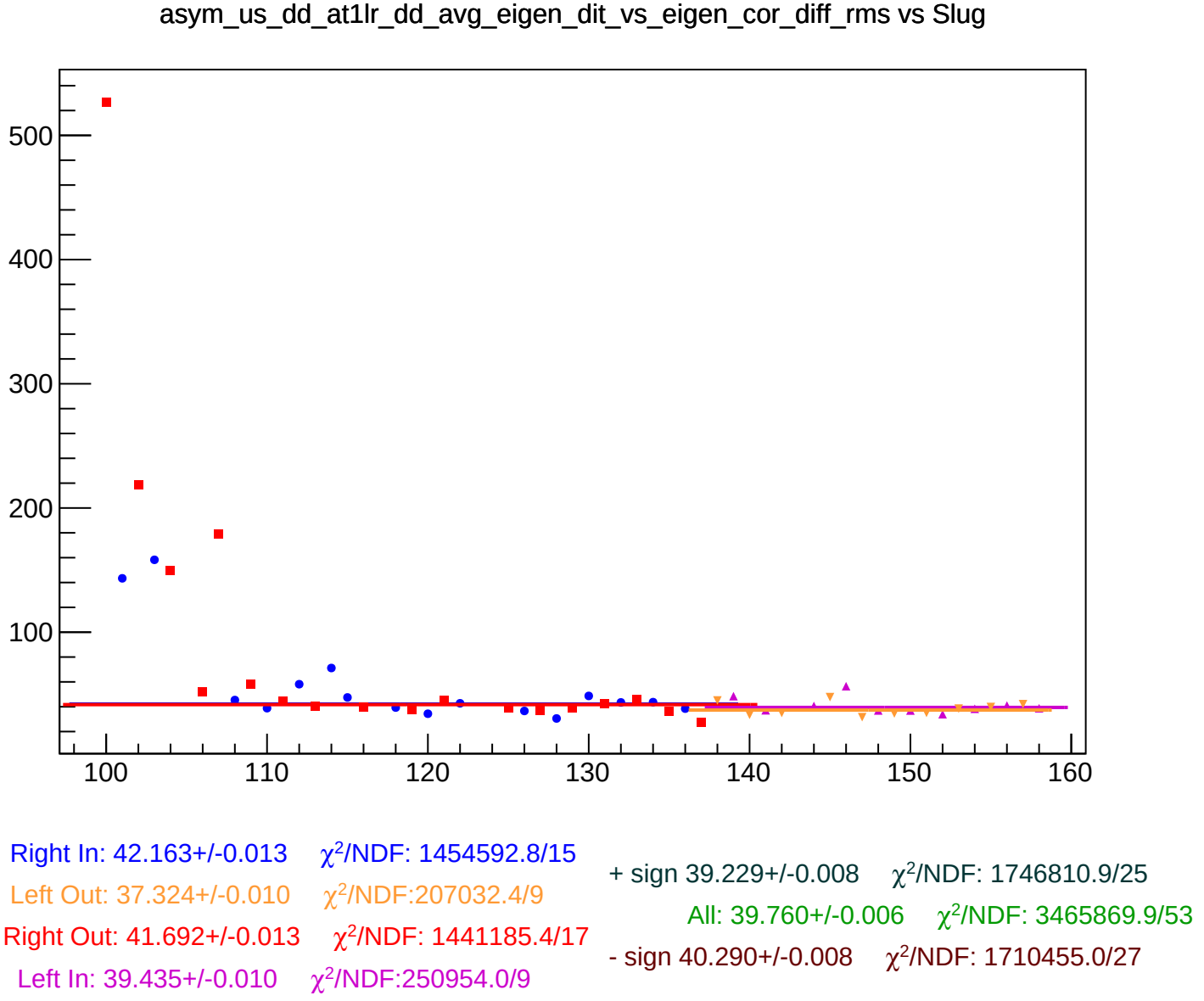
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

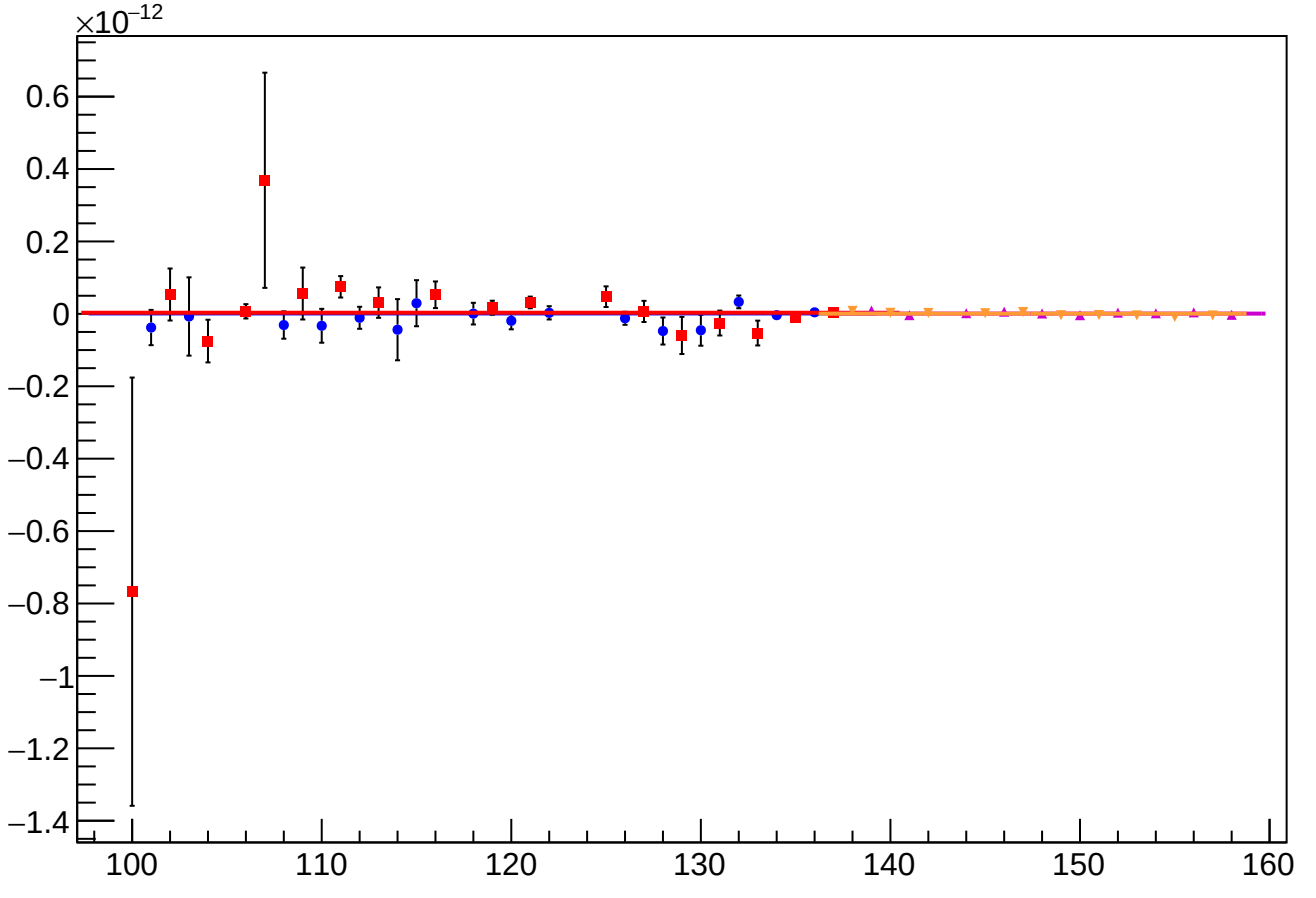
Left In: 0.009+/-0.015 χ^2/NDF:17.7/9

+ sign 0.008+/-0.011 χ^2/NDF: 27.4/25

All: 0.006+/-0.008 χ^2/NDF: 61.7/53

- sign 0.004+/-0.011 χ^2/NDF: 34.3/27


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
500
400
300
200
100
100
110
120
130
140
150
160
Right In: 42.163+/-0.013 χ²/NDF: 1454592.8/15
Left Out: 37.324+/-0.010 χ²/NDF:207032.4/9
Right Out: 41.692+/-0.013 χ²/NDF: 1441185.4/17
Left In: 39.435+/-0.010 χ²/NDF:250954.0/9
+ sign 39.229+/-0.008 χ²/NDF: 1746810.9/25
All: 39.760+/-0.006 χ²/NDF: 3465869.9/53
- sign 40.290+/-0.008 χ²/NDF: 1710455.0/27



Right In: 0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.2/9

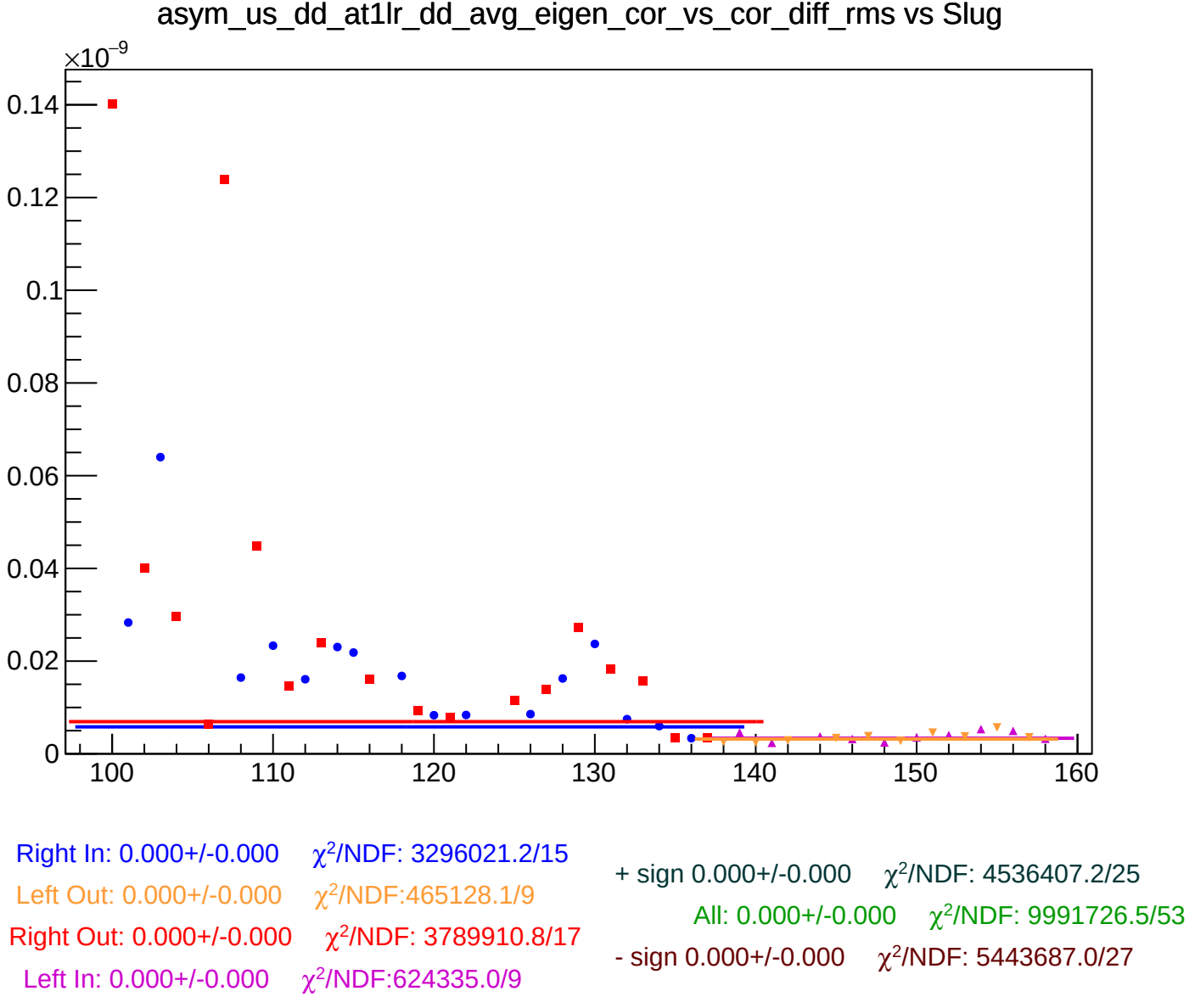
Right Out: 0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: 0.000+/-0.000 χ^2/NDF:6.1/9

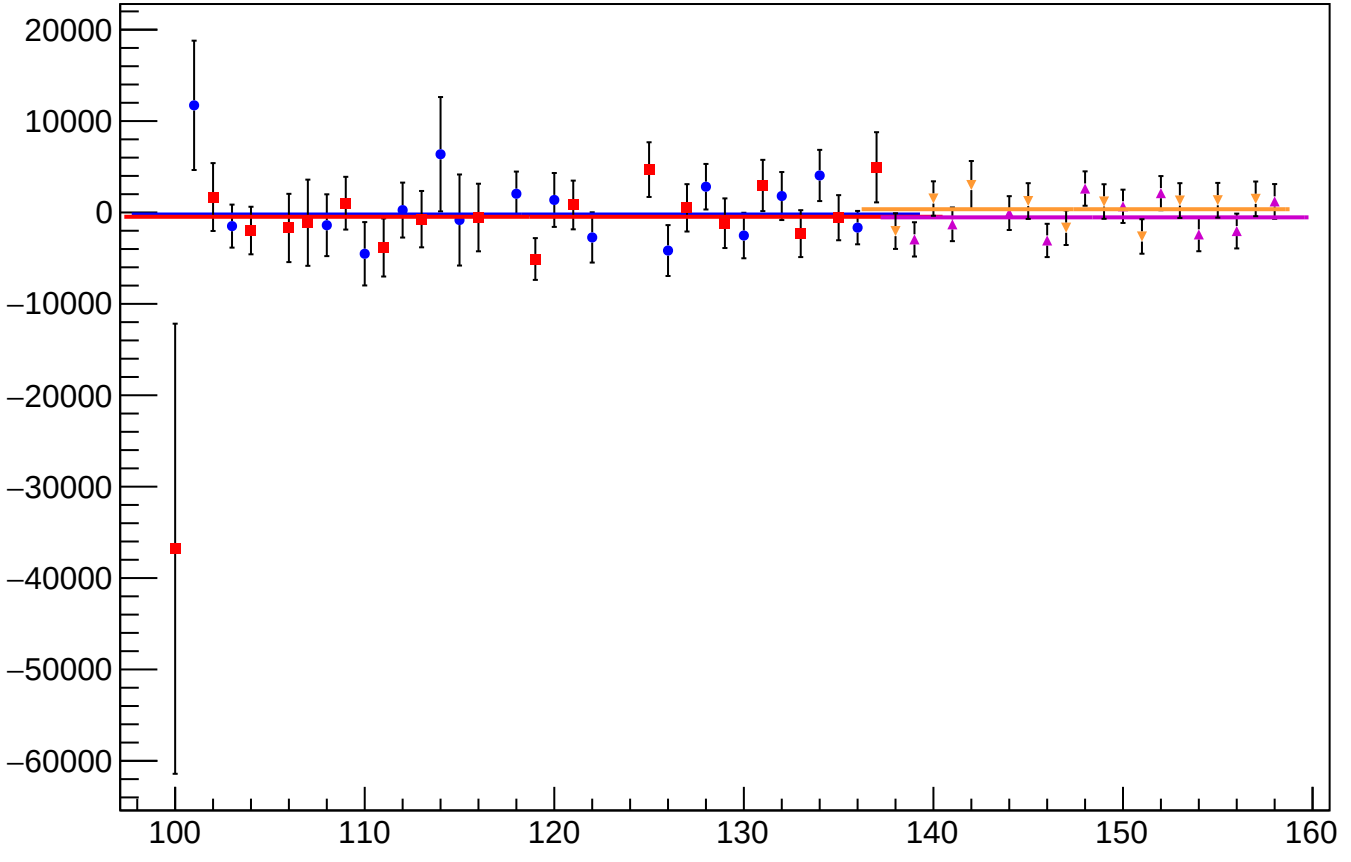
+ sign 0.000+/-0.000 χ^2/NDF: 18.8/25

All: 0.000+/-0.000 χ^2/NDF: 53.9/53

- sign 0.000+/-0.000 χ^2/NDF: 35.1/27


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
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3296021.2/15
Left Out: 0.000+/-0.000 χ²/NDF:465128.1/9
Right Out: 0.000+/-0.000 χ²/NDF: 3789910.8/17
Left In: 0.000+/-0.000 χ²/NDF:624335.0/9
+ sign 0.000+/-0.000 χ²/NDF: 4536407.2/25
All: 0.000+/-0.000 χ²/NDF: 9991726.5/53
- sign 0.000+/-0.000 χ²/NDF: 5443687.0/27

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: 355.763+/-617.574 χ^2/NDF:7.8/9

Right Out: -472.410+/-711.475 χ^2/NDF: 15.9/17

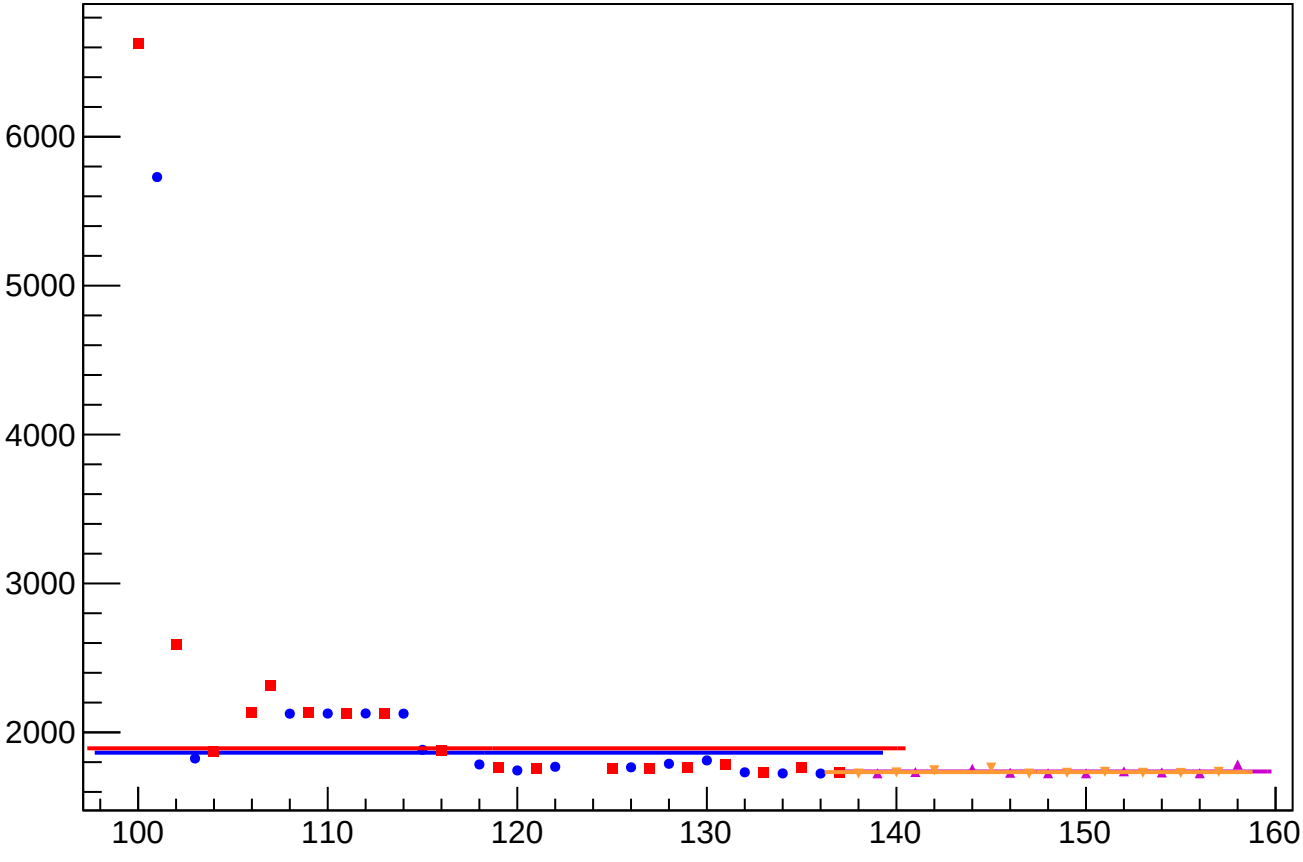
Left In: -534.608+/-588.172 χ^2/NDF:11.6/9

+ sign 106.150+/-465.725 χ^2/NDF: 24.0/25

All: -209.908+/-324.844 χ^2/NDF: 52.4/53

- sign -509.357+/-453.323 χ^2/NDF: 27.4/27

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1733.150+/-0.437 χ^2/NDF:666.4/9

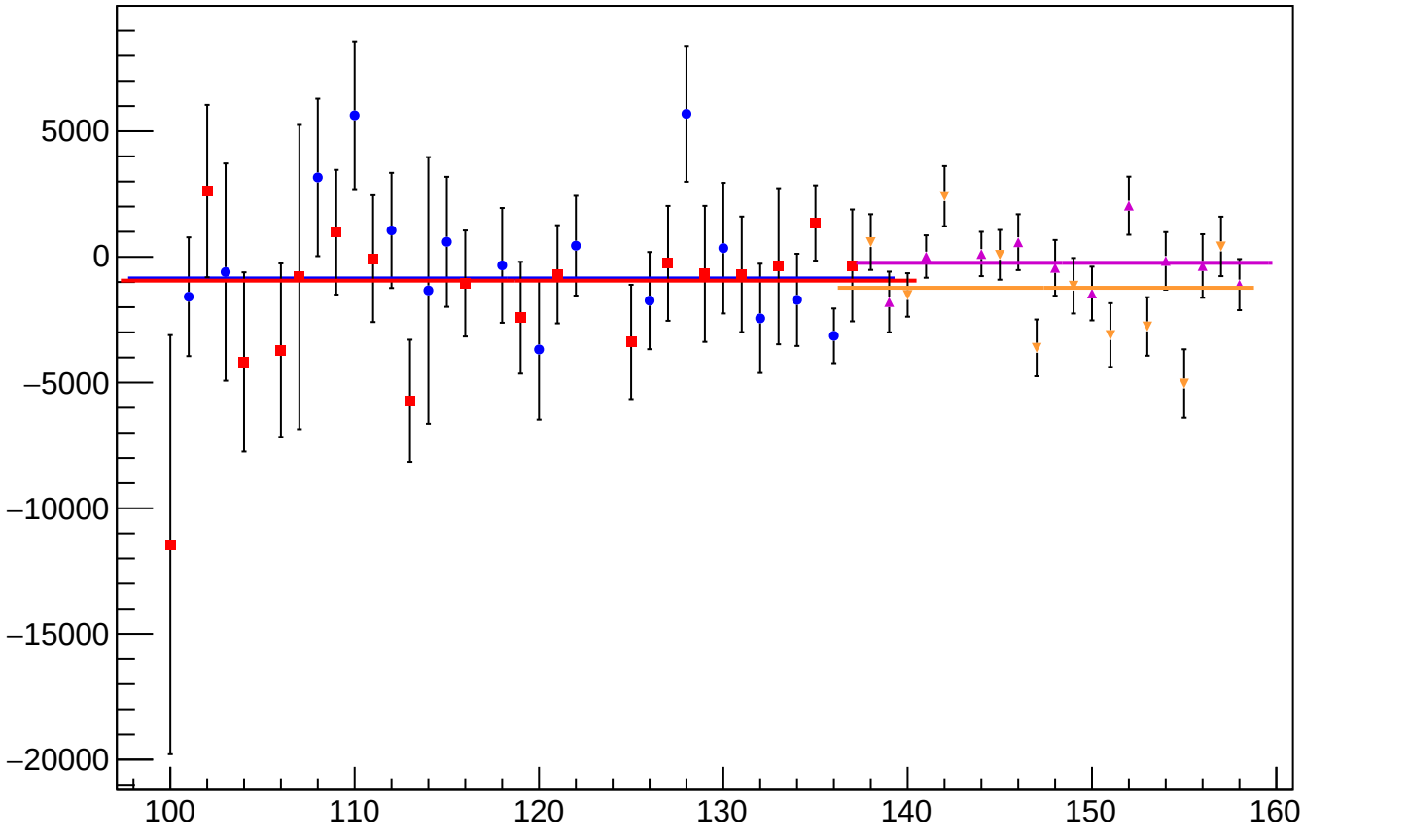
Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1737.286+/-0.416 χ^2/NDF:1829.9/9

+ sign 1789.405+/-0.329 χ^2/NDF: 713808.3/25

All: 1795.075+/-0.230 χ^2/NDF: 1024538.5/53

- sign 1800.447+/-0.321 χ^2/NDF: 310152.9/27



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

Left Out: -1229.517+/-351.476 χ^2/NDF:32.0/9

Right Out: -944.718+/-583.967 χ^2/NDF: 12.9/17

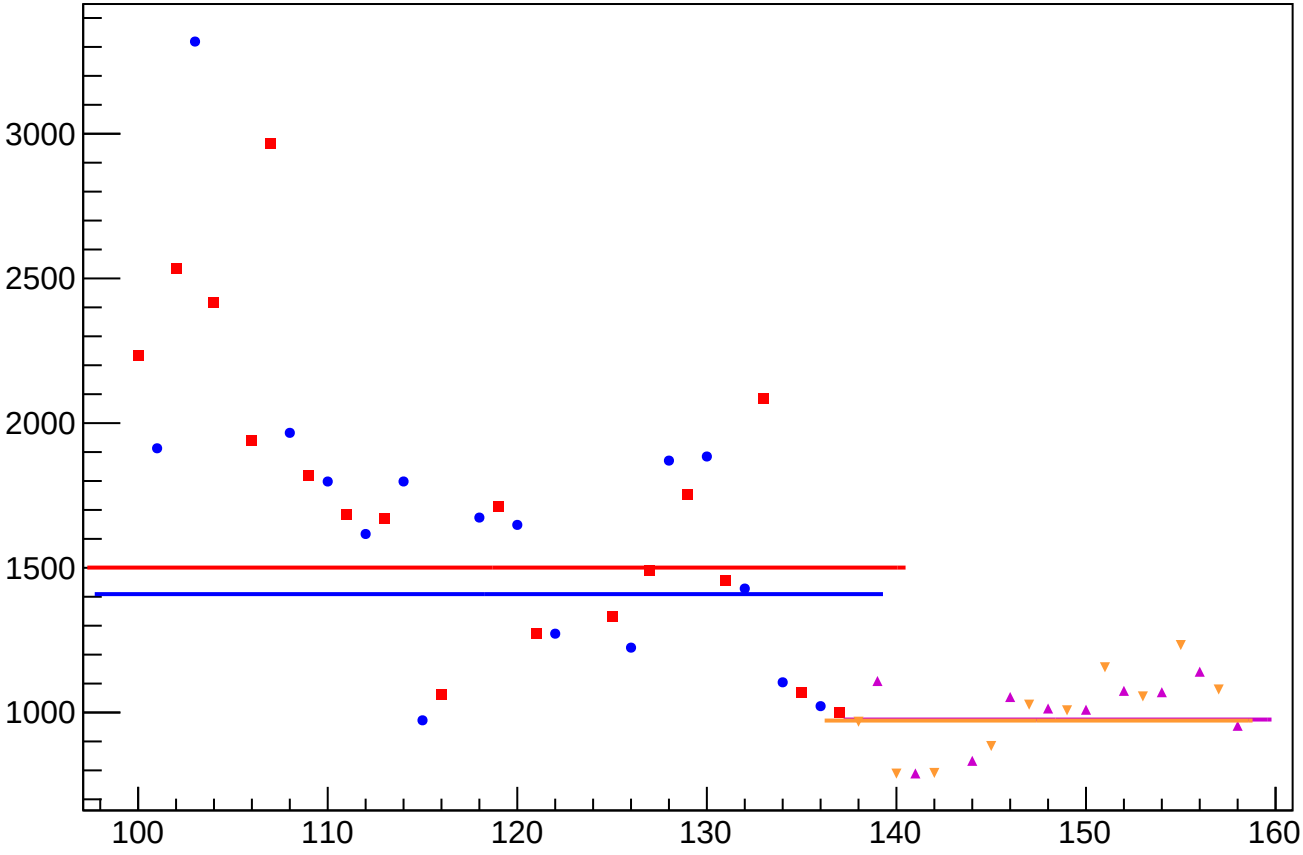
Left In: -235.968+/-333.617 χ^2/NDF:8.4/9

+ sign -1121.527+/-296.133 χ^2/NDF: 52.9/25

All: -758.111+/-207.078 χ^2/NDF: 78.3/53

- sign -410.368+/-289.677 χ^2/NDF: 22.4/27

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 972.166+/-0.249 χ^2/NDF:300964.0/9

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

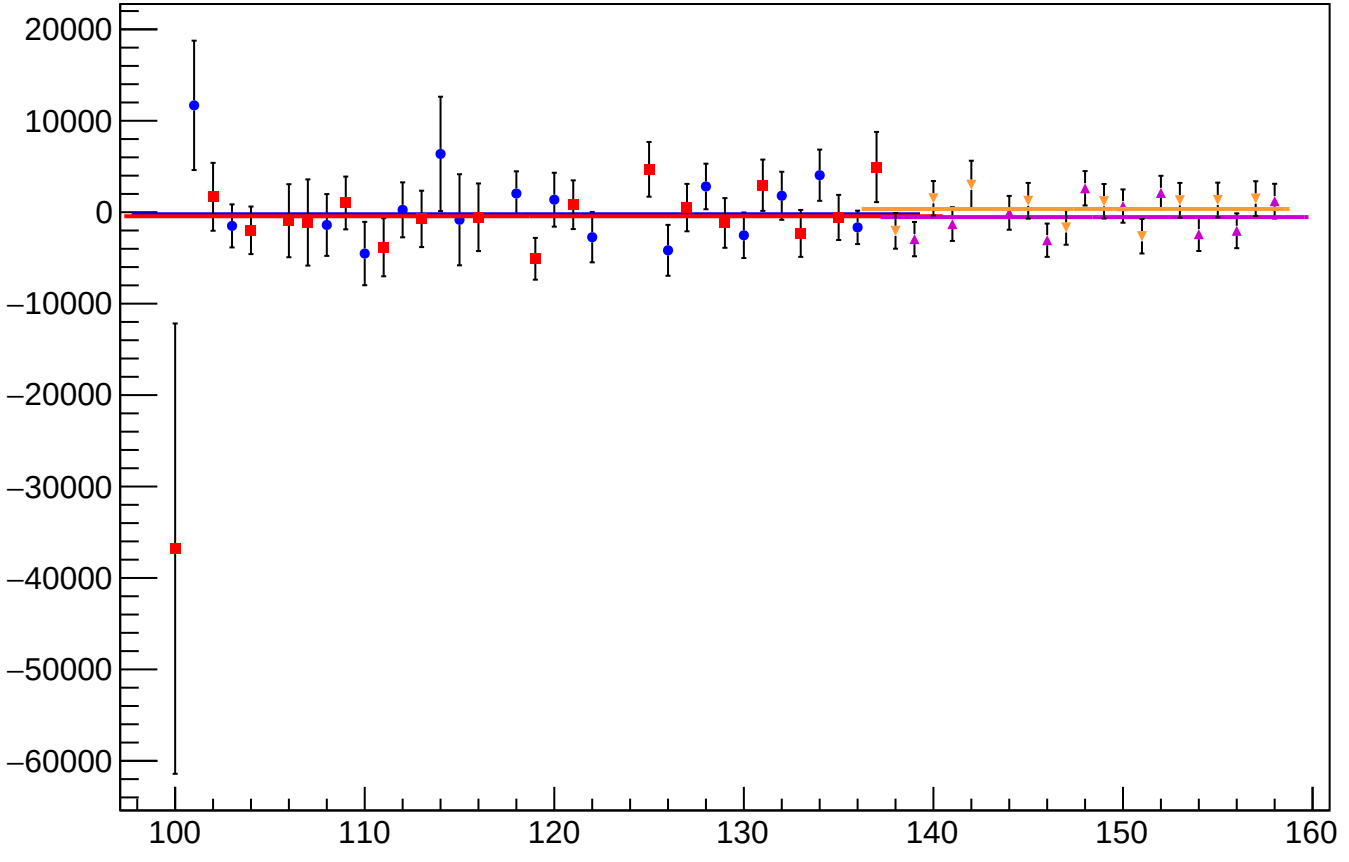
Left In: 975.670+/-0.236 χ^2/NDF:251853.2/9

+ sign 1098.928+/-0.209 χ^2/NDF: 2365360.5/25

All: 1101.973+/-0.146 χ^2/NDF: 4867723.8/53

- sign 1104.887+/-0.205 χ^2/NDF: 2501949.4/27

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 355.920+/-617.574 χ^2/NDF:7.8/9

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

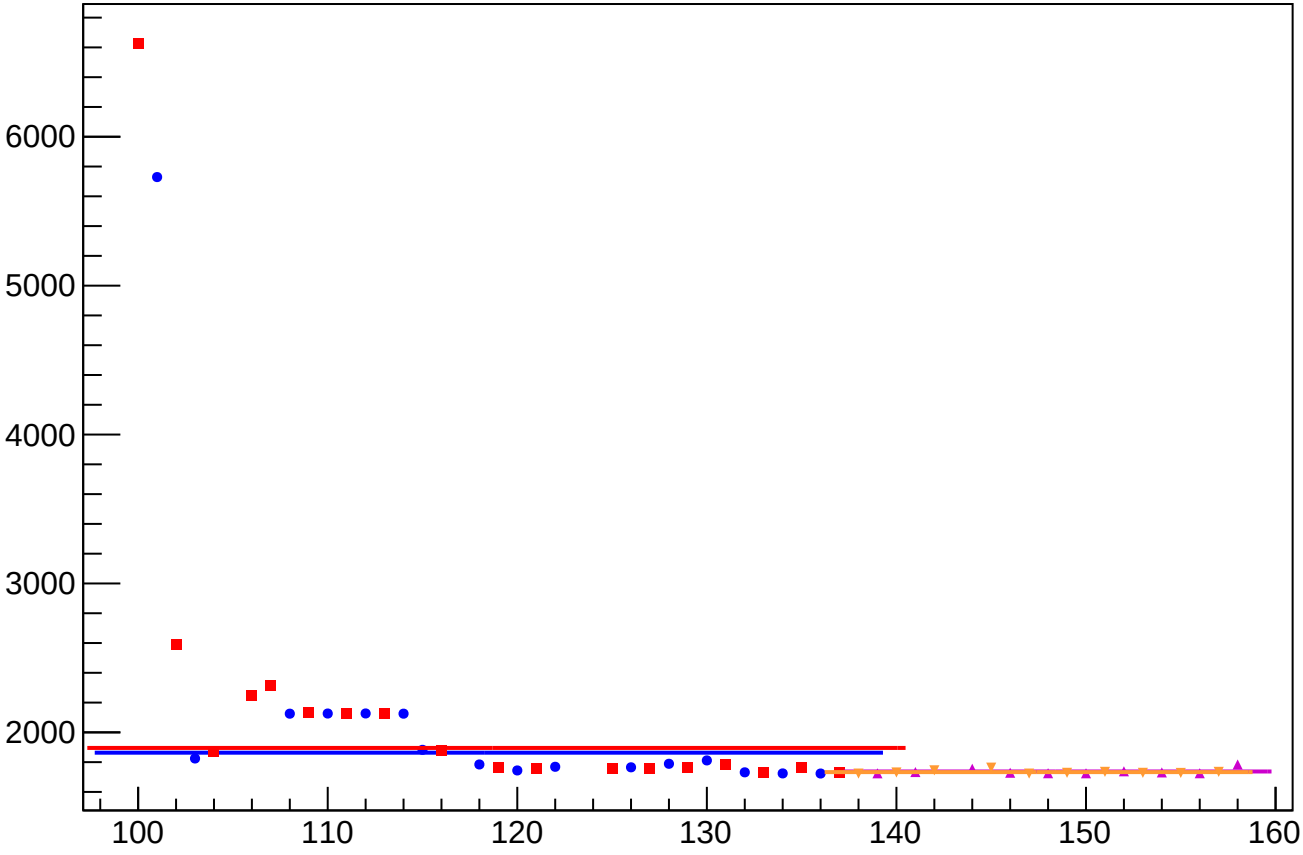
Left In: -534.603+/-588.172 χ^2/NDF:11.6/9

+ sign 105.905+/-465.725 χ^2/NDF: 24.0/25

All: -203.672+/-324.998 χ^2/NDF: 52.2/53

- sign -497.524+/-453.742 χ^2/NDF: 27.3/27

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1733.150+/-0.437 χ^2/NDF:666.4/9

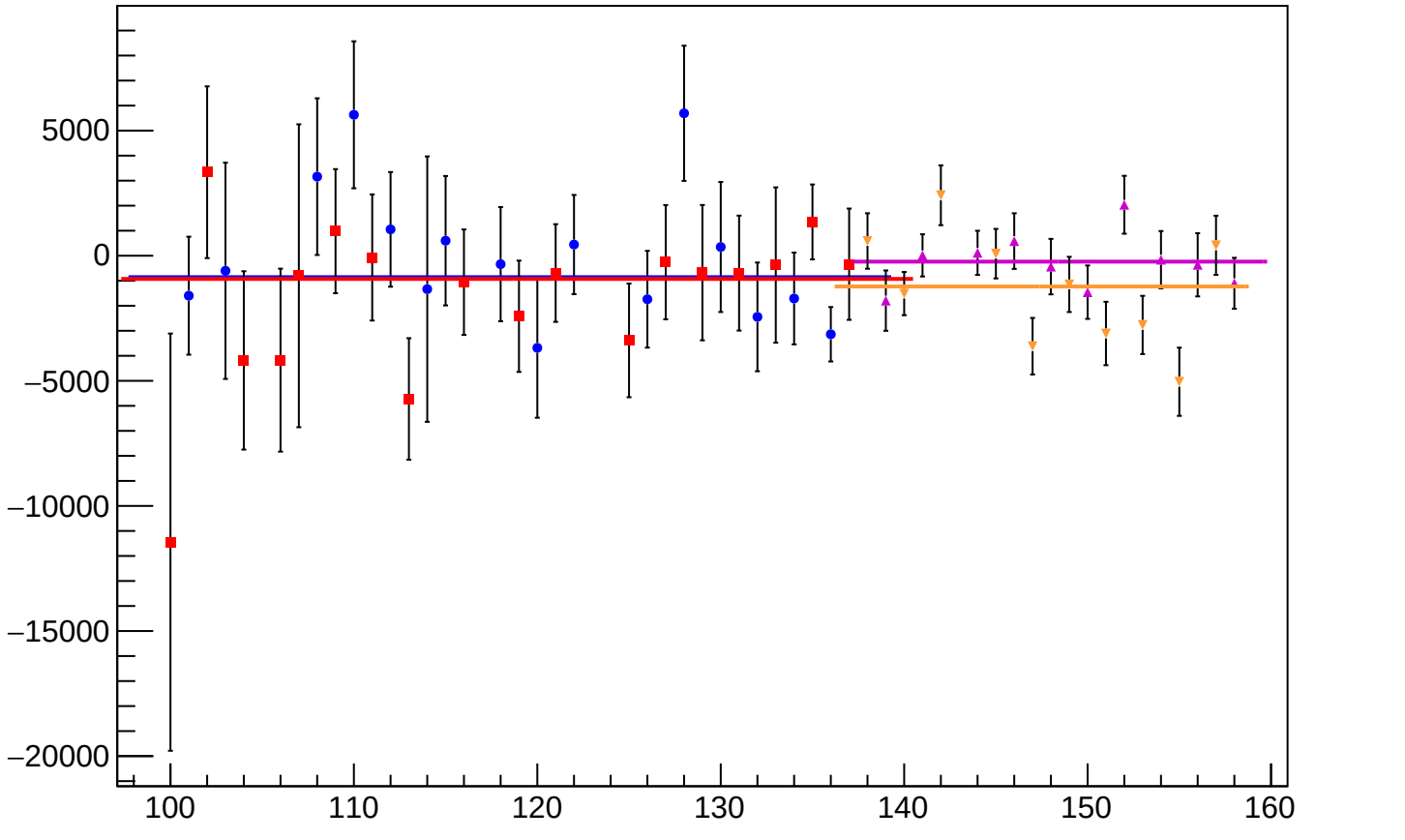
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1737.286+/-0.416 χ^2/NDF:1829.9/9

+ sign 1789.405+/-0.329 χ^2/NDF: 713808.2/25

All: 1795.528+/-0.230 χ^2/NDF: 1034068.4/53

- sign 1801.339+/-0.321 χ^2/NDF: 319586.5/27



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1229.431+/-351.476 χ^2/NDF:32.0/9

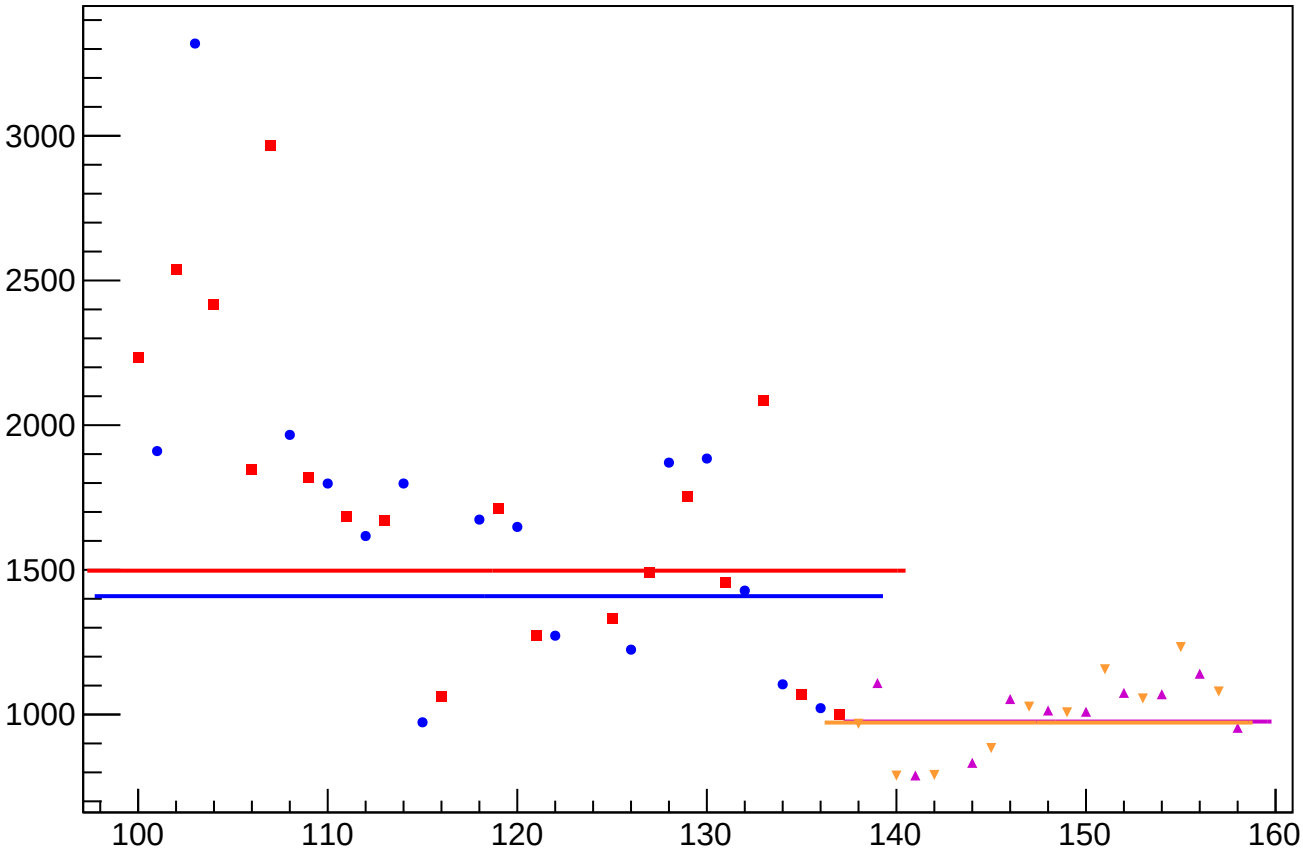
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -235.972+/-333.616 χ^2/NDF:8.4/9

+ sign -1121.693+/-296.127 χ^2/NDF: 53.0/25

All: -755.928+/-207.116 χ^2/NDF: 78.9/53

- sign -405.654+/-289.788 χ^2/NDF: 23.0/27



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 972.168+/-0.249 χ^2/NDF:300929.5/9

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

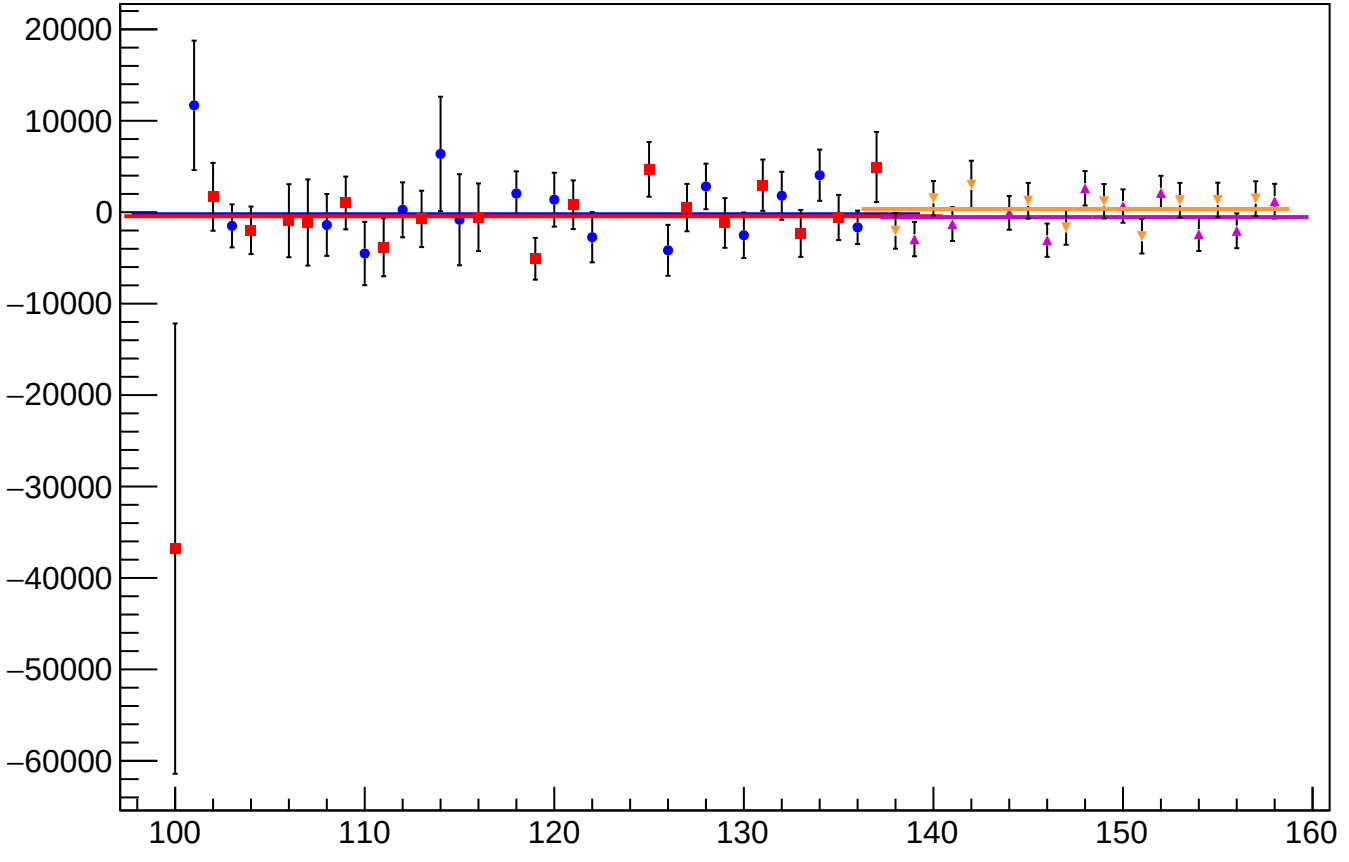
Left In: 975.666+/-0.236 χ^2/NDF:251869.1/9

+ sign 1098.922+/-0.209 χ^2/NDF: 2364456.6/25

All: 1101.353+/-0.146 χ^2/NDF: 4834312.2/53

- sign 1103.681+/-0.205 χ^2/NDF: 2469591.8/27

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 355.920+/-617.574 χ^2/NDF:7.8/9

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

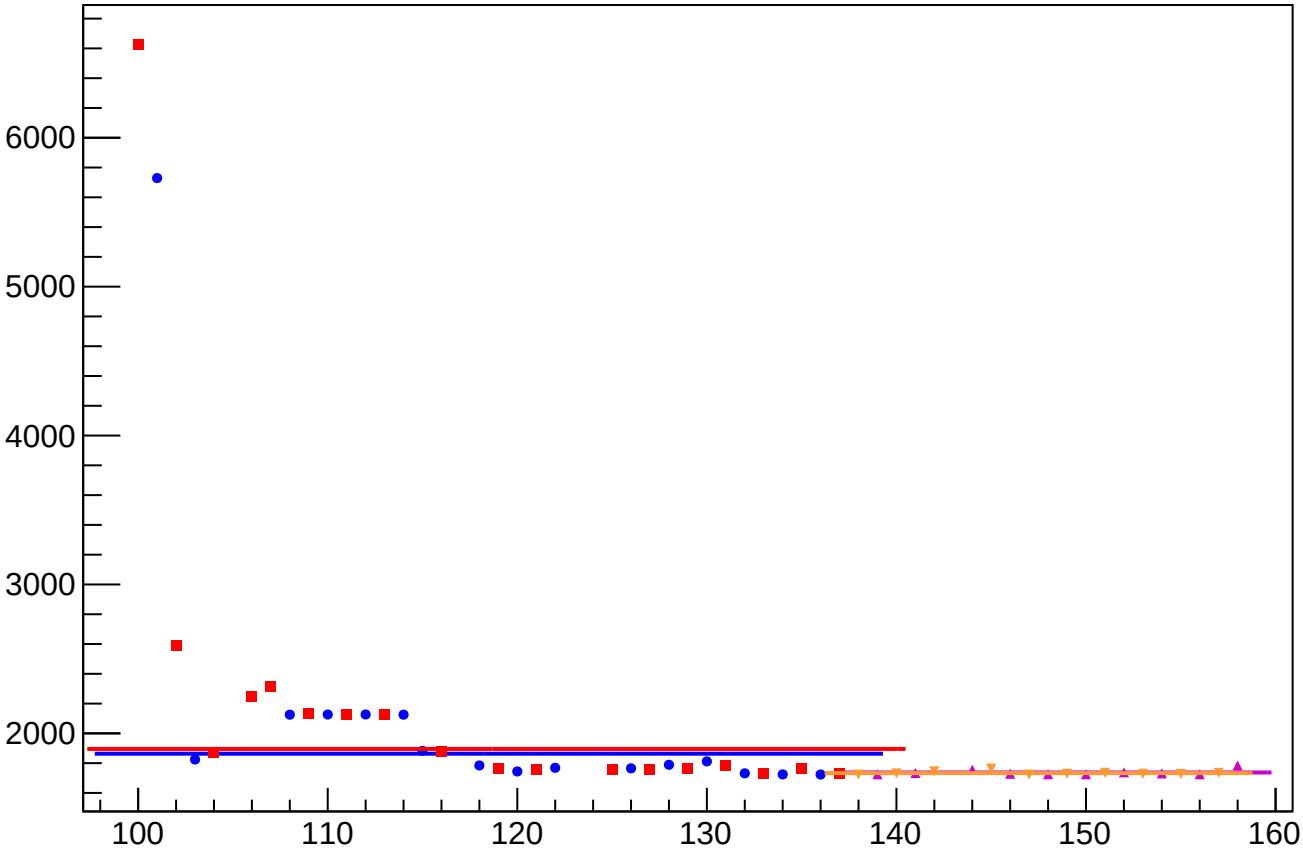
Left In: -534.603+/-588.172 χ^2/NDF:11.6/9

+ sign 105.905+/-465.725 χ^2/NDF: 24.0/25

All: -203.672+/-324.998 χ^2/NDF: 52.2/53

- sign -497.524+/-453.742 χ^2/NDF: 27.3/27

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1733.150+/-0.437 χ^2/NDF:666.4/9

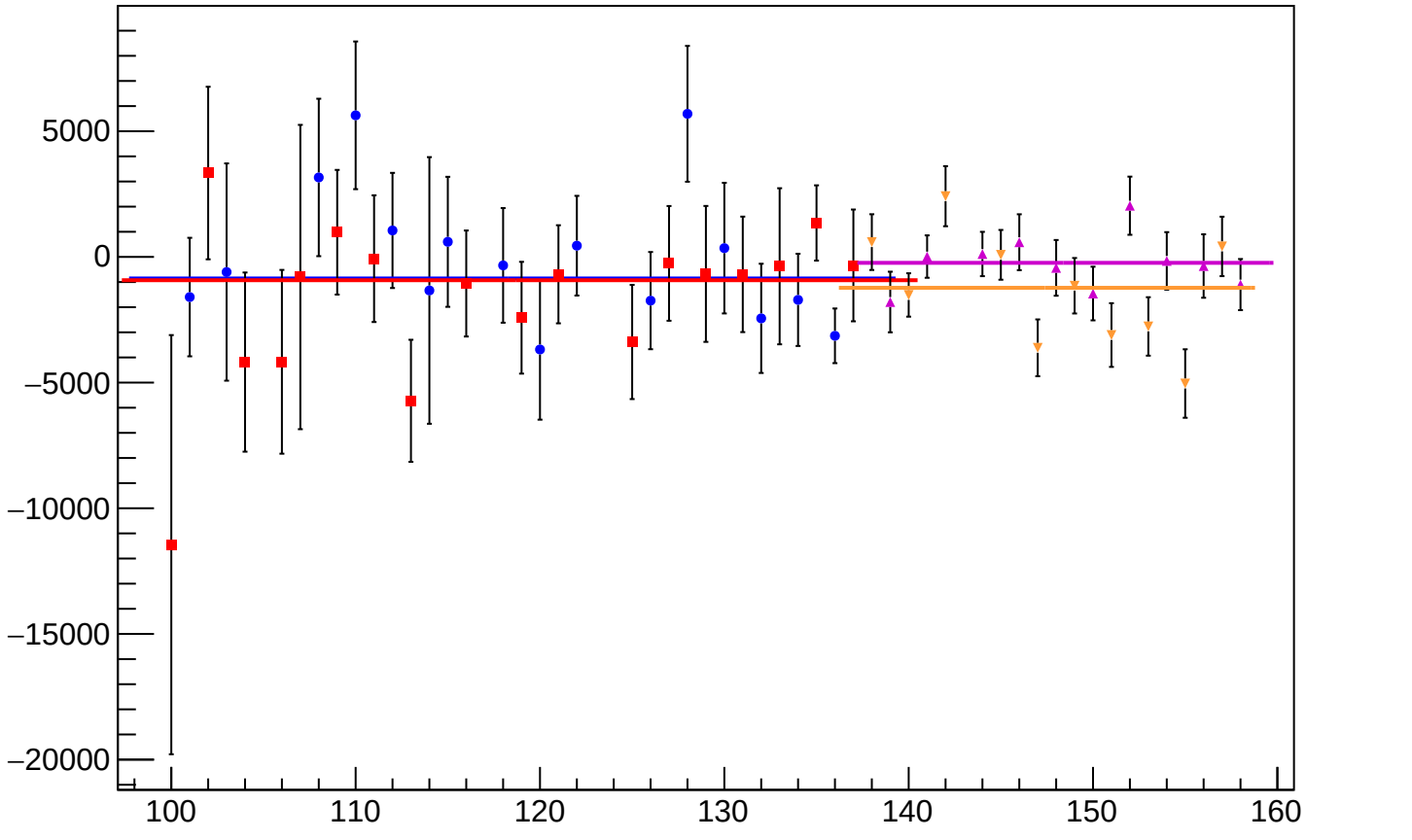
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1737.286+/-0.416 χ^2/NDF:1829.9/9

+ sign 1789.405+/-0.329 χ^2/NDF: 713808.2/25

All: 1795.528+/-0.230 χ^2/NDF: 1034068.4/53

- sign 1801.339+/-0.321 χ^2/NDF: 319586.5/27



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1229.431+/-351.476 χ^2/NDF:32.0/9

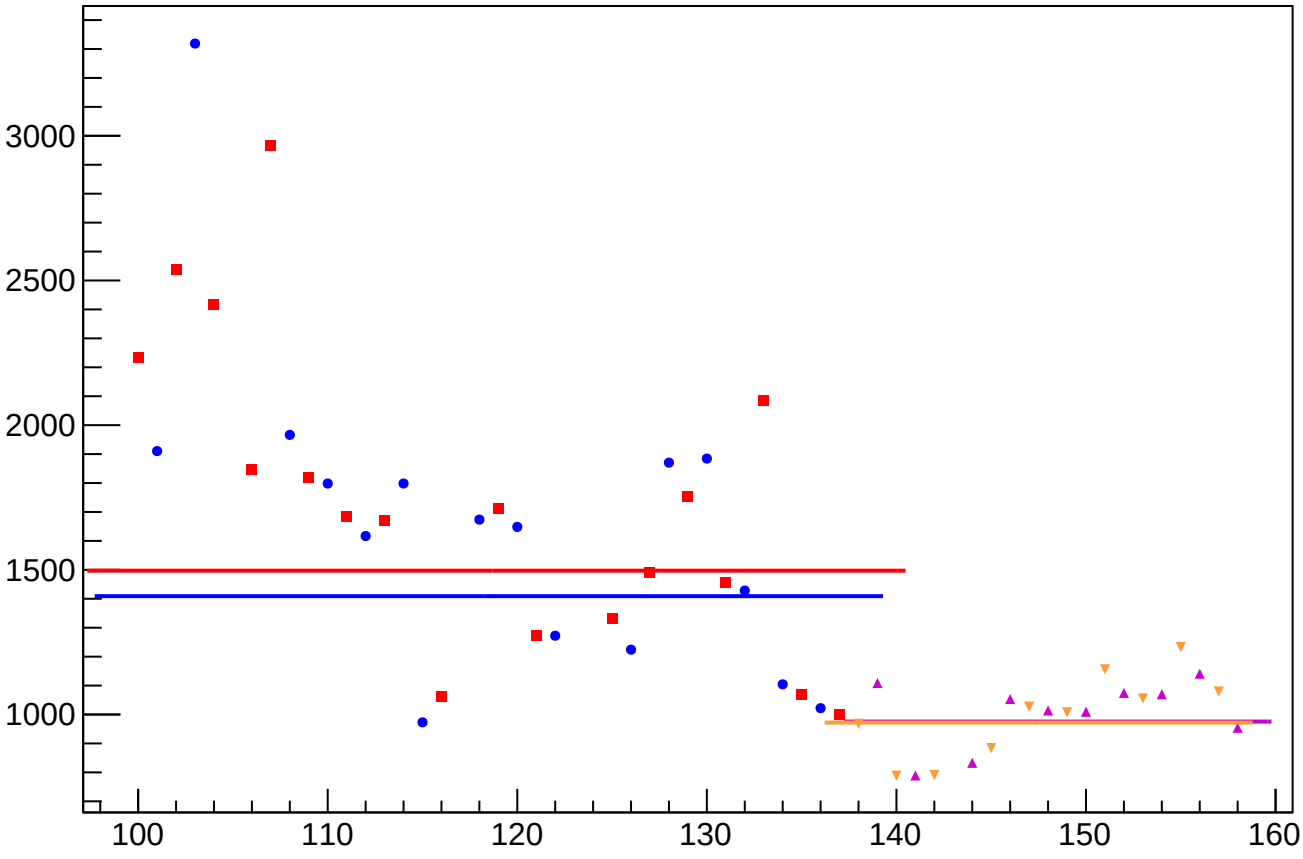
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -235.972+/-333.616 χ^2/NDF:8.4/9

+ sign -1121.693+/-296.127 χ^2/NDF: 53.0/25

All: -755.928+/-207.116 χ^2/NDF: 78.9/53

- sign -405.654+/-289.788 χ^2/NDF: 23.0/27



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 972.168+/-0.249 χ^2/NDF:300929.5/9

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

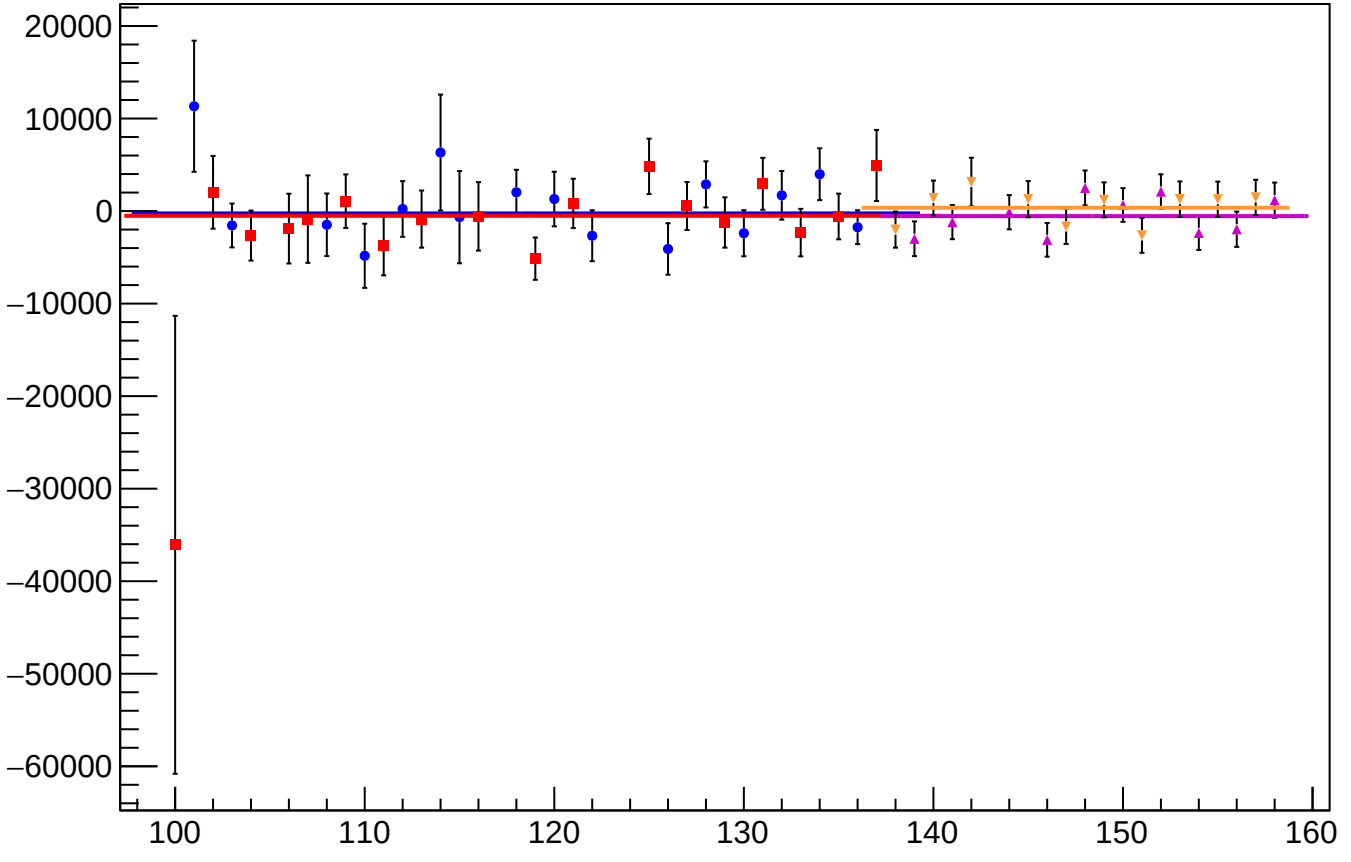
Left In: 975.666+/-0.236 χ^2/NDF:251869.1/9

+ sign 1098.922+/-0.209 χ^2/NDF: 2364456.6/25

All: 1101.353+/-0.146 χ^2/NDF: 4834312.2/53

- sign 1103.681+/-0.205 χ^2/NDF: 2469591.8/27

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: 356.130+/-617.752 χ^2/NDF:7.8/9

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

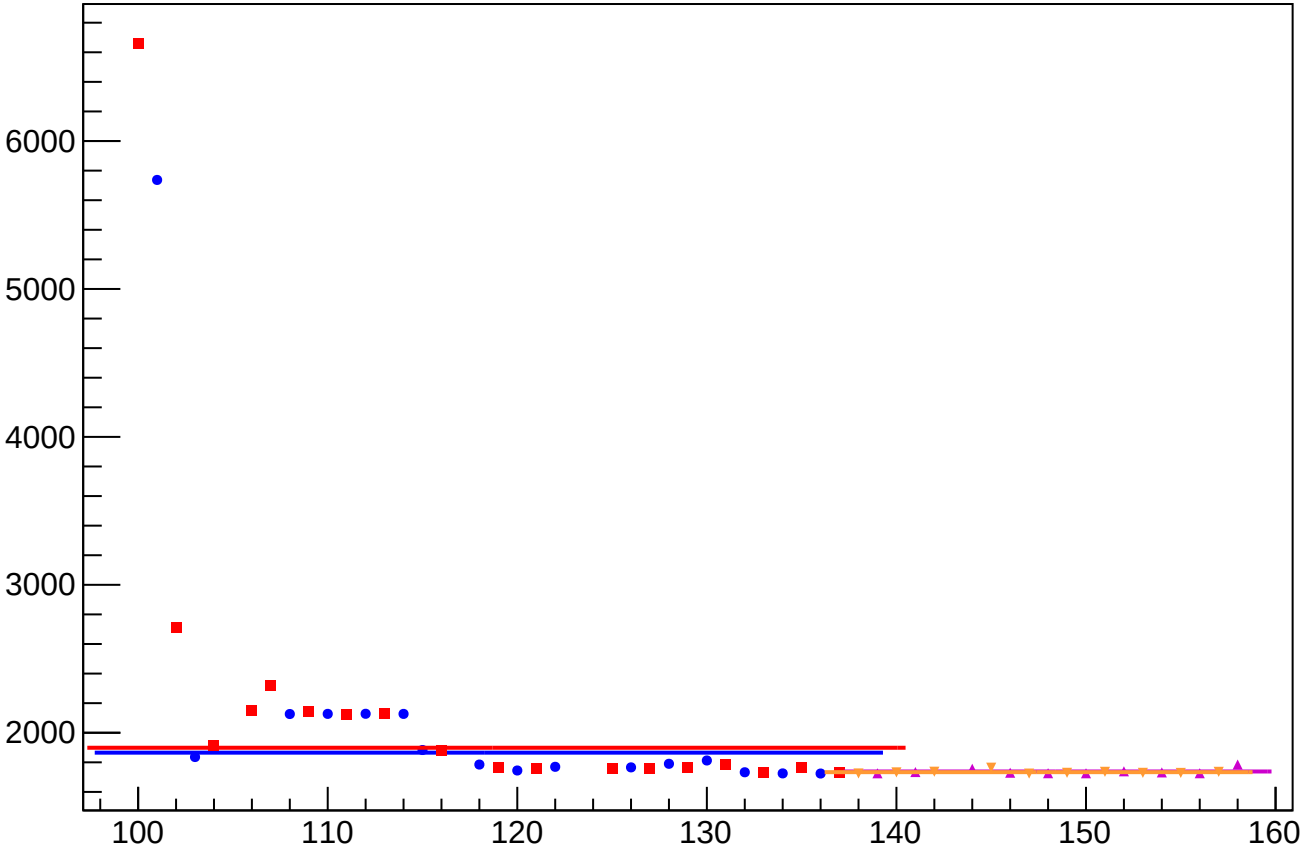
Left In: -545.822+/-588.450 χ^2/NDF:11.3/9

+ sign 94.091+/-466.034 χ^2/NDF: 23.9/25

All: -226.517+/-325.371 χ^2/NDF: 52.5/53

- sign -531.414+/-454.472 χ^2/NDF: 27.7/27

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1733.588+/-0.437 χ^2/NDF:616.5/9

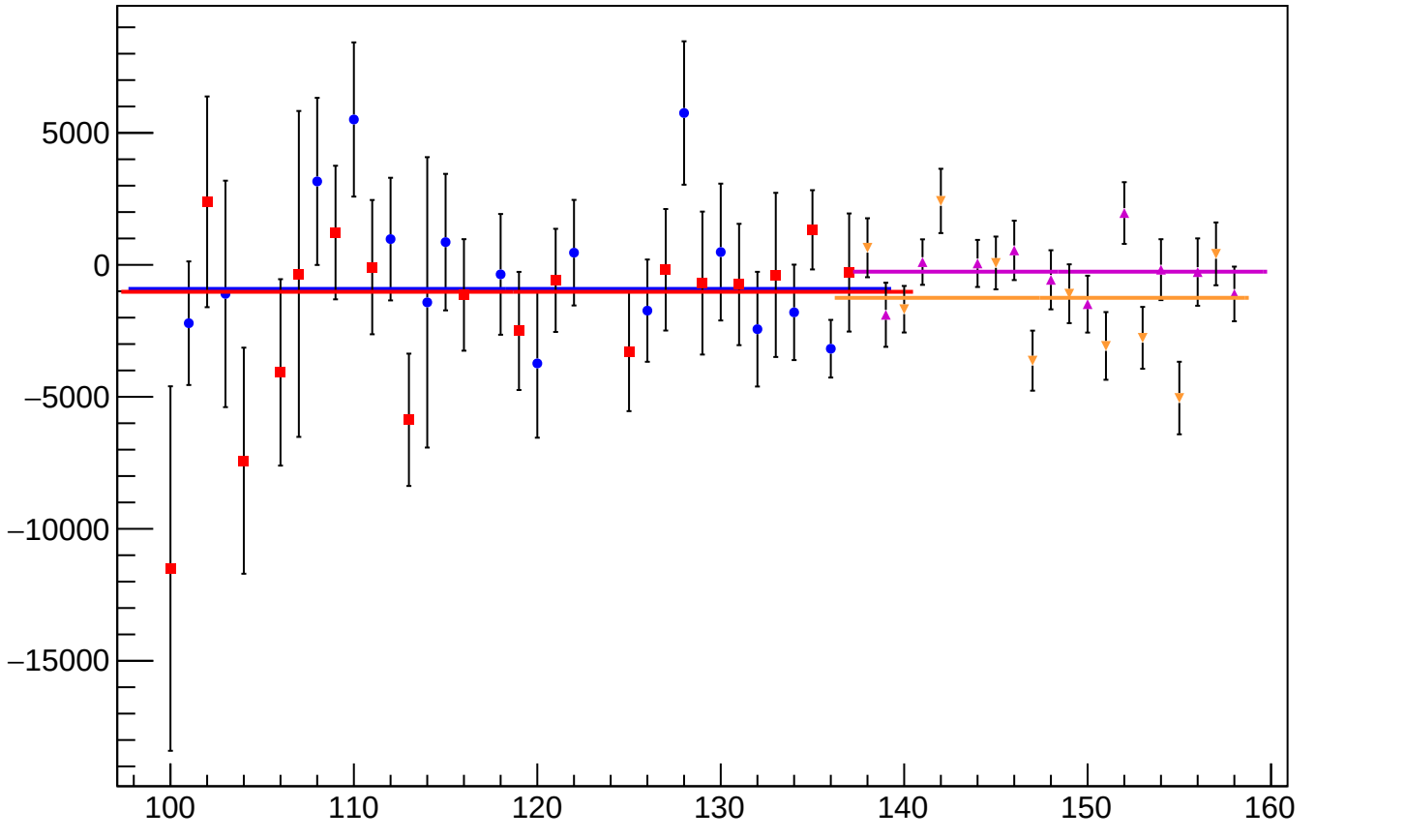
Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1738.105+/-0.416 χ^2/NDF:1826.1/9

+ sign 1790.400+/-0.330 χ^2/NDF: 714864.1/25

All: 1796.791+/-0.230 χ^2/NDF: 1046570.7/53

- sign 1802.869+/-0.321 χ^2/NDF: 330972.6/27



Right In: -910.955+/-550.836 χ^2/NDF: 21.0/15

Left Out: -1248.828+/-355.503 χ^2/NDF:31.6/9

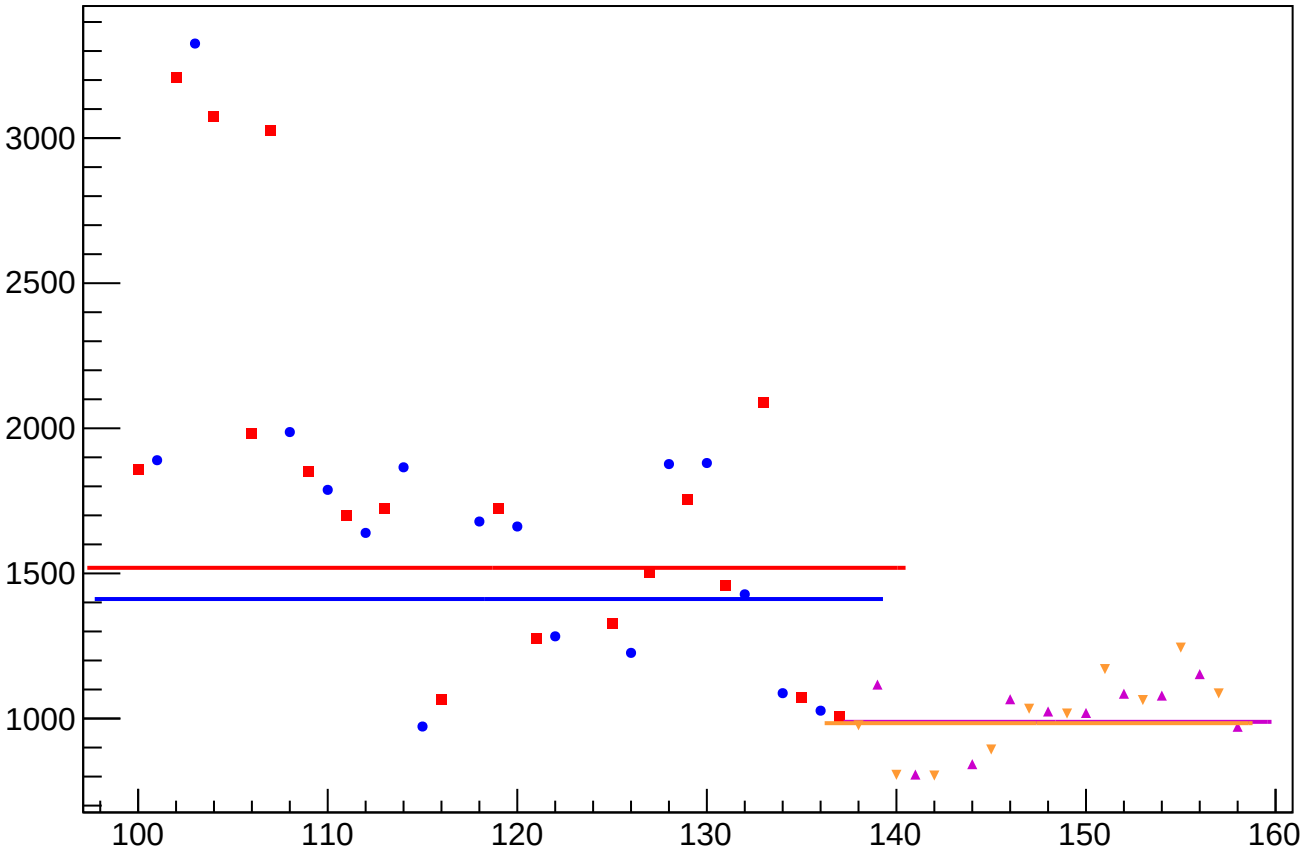
Right Out: -1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: -258.712+/-337.811 χ^2/NDF:8.3/9

+ sign -1149.477+/-298.697 χ^2/NDF: 52.9/25

All: -791.356+/-209.297 χ^2/NDF: 80.2/53

- sign -445.931+/-293.355 χ^2/NDF: 24.5/27



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 983.962+/-0.251 χ^2/NDF:285586.9/9

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

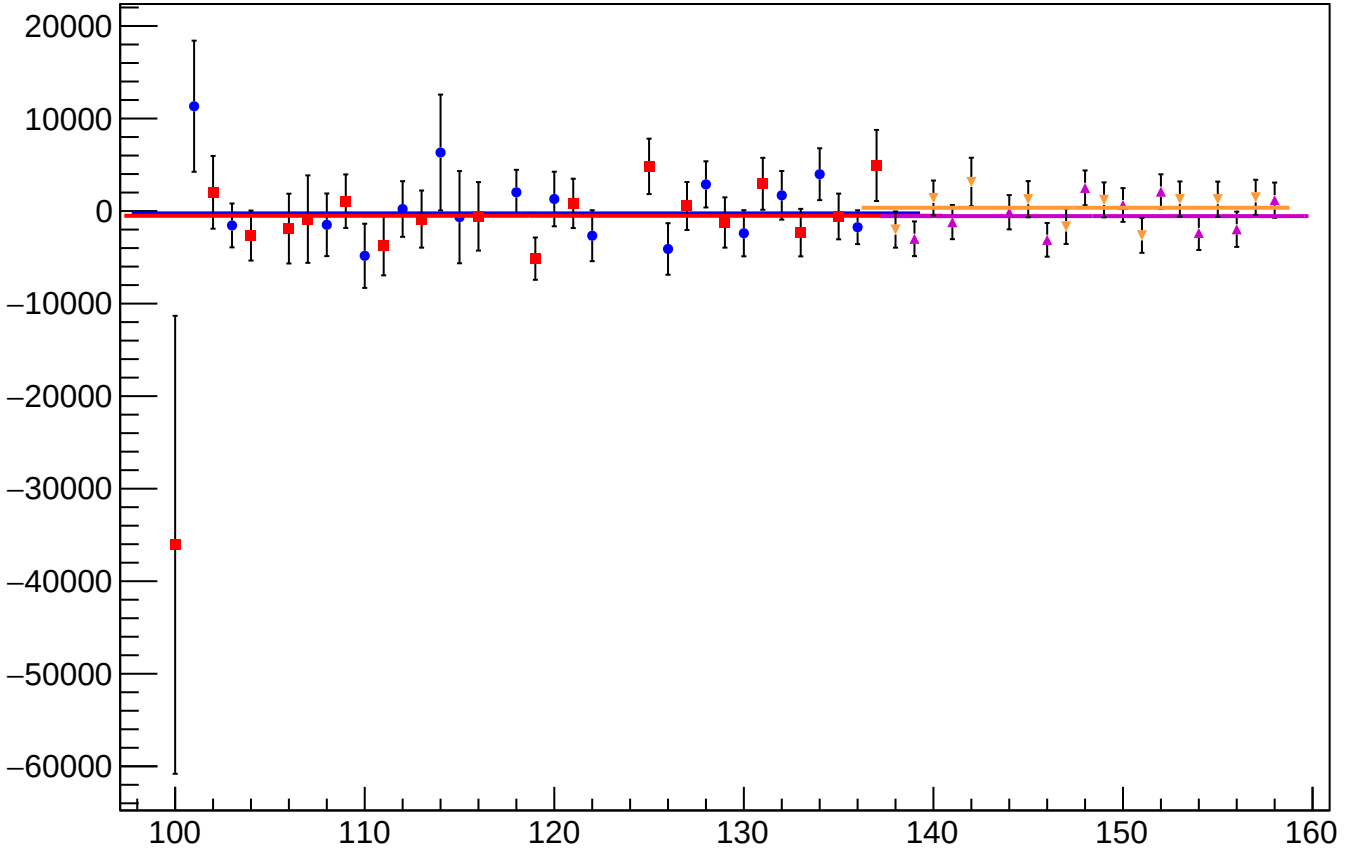
Left In: 988.581+/-0.239 χ^2/NDF:237720.2/9

+ sign 1109.751+/-0.211 χ^2/NDF: 2314890.2/25

All: 1114.499+/-0.148 χ^2/NDF: 5127552.7/53

- sign 1119.078+/-0.207 χ^2/NDF: 2811669.9/27

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -252.023+/-709.973 χ^2/NDF: 15.6/15

Left Out: 356.127+/-617.752 χ^2/NDF:7.8/9

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

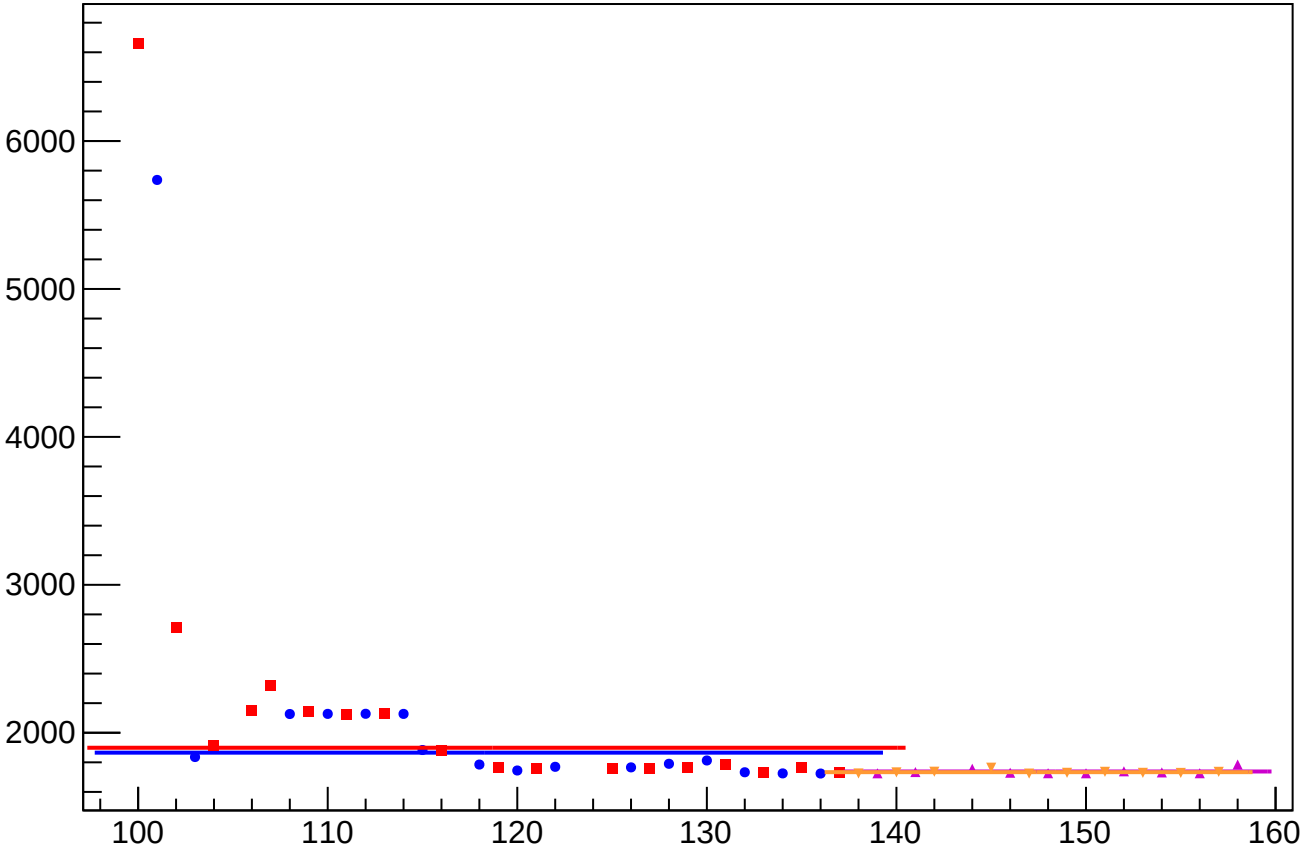
Left In: -545.822+/-588.450 χ^2/NDF:11.3/9

+ sign 94.090+/-466.034 χ^2/NDF: 23.9/25

All: -226.518+/-325.371 χ^2/NDF: 52.5/53

- sign -531.414+/-454.472 χ^2/NDF: 27.7/27

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1733.588+/-0.437 χ^2/NDF:616.5/9

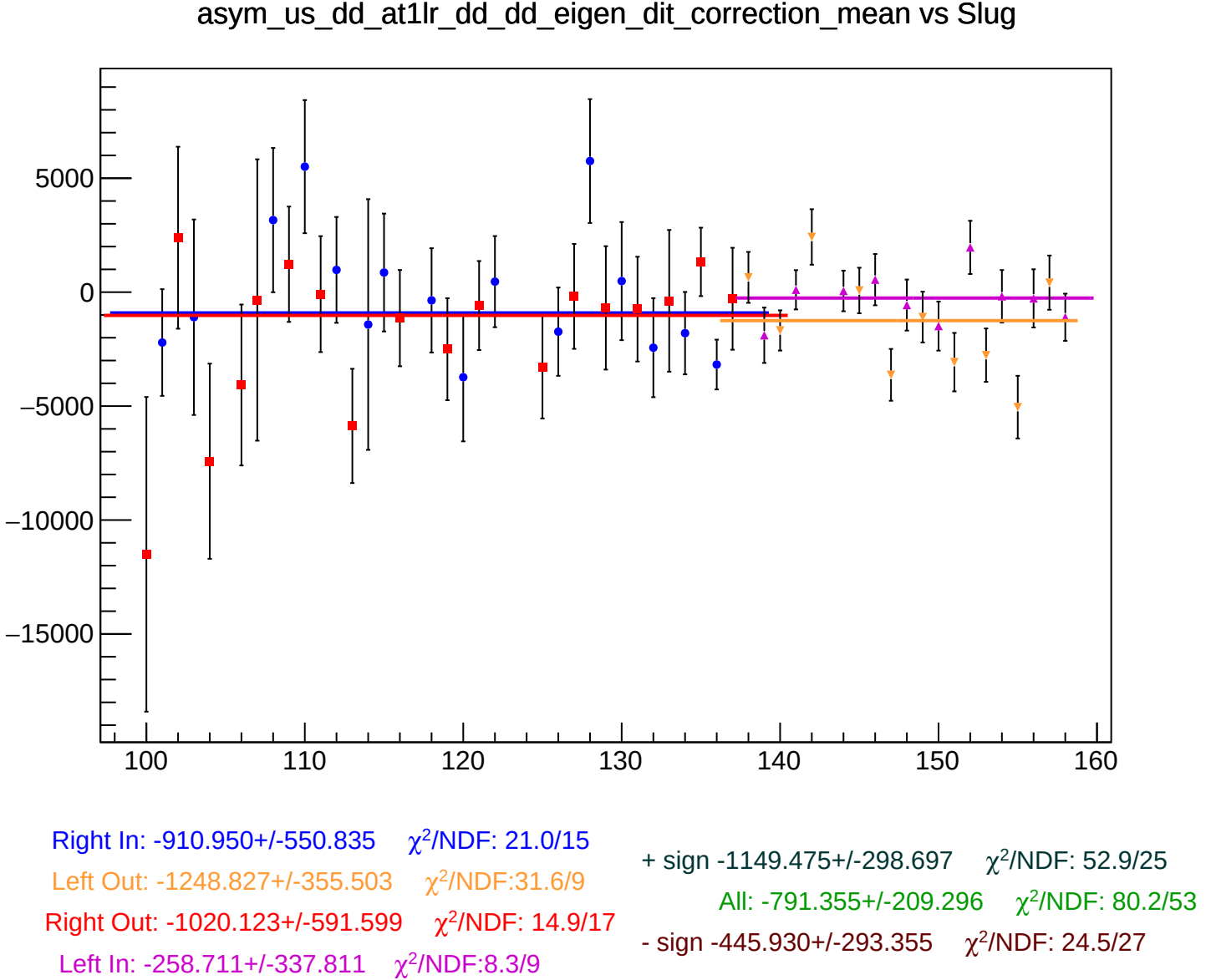
Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

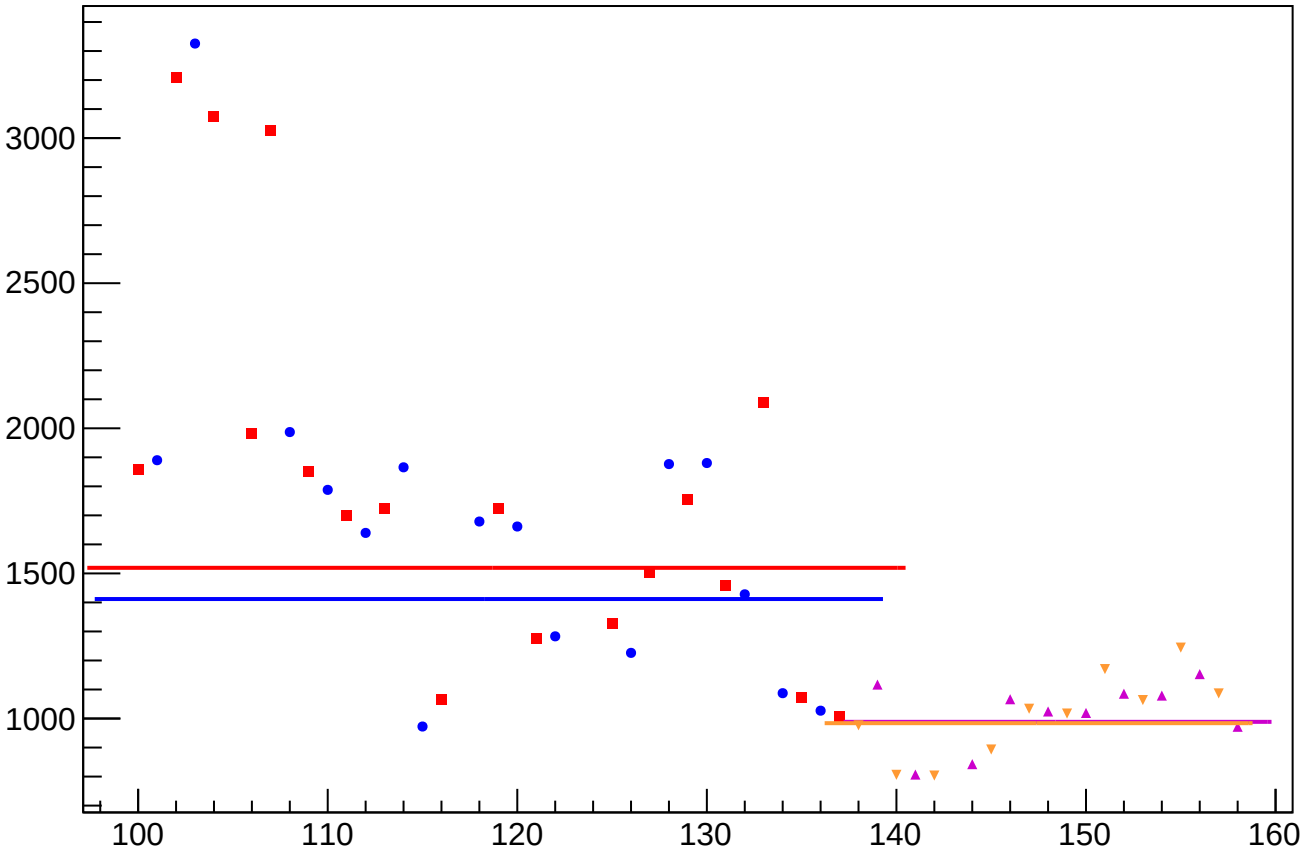
Left In: 1738.105+/-0.416 χ^2/NDF:1826.1/9

+ sign 1790.400+/-0.330 χ^2/NDF: 714864.1/25

All: 1796.791+/-0.230 χ^2/NDF: 1046570.4/53

- sign 1802.869+/-0.321 χ^2/NDF: 330972.3/27


asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: -910.950+/-550.835 χ²/NDF: 21.0/15
Left Out: -1248.827+/-355.503 χ²/NDF:31.6/9
Right Out: -1020.123+/-591.599 χ²/NDF: 14.9/17
Left In: -258.711+/-337.811 χ²/NDF:8.3/9
+ sign -1149.475+/-298.697 χ²/NDF: 52.9/25
All: -791.355+/-209.296 χ²/NDF: 80.2/53
- sign -445.930+/-293.355 χ²/NDF: 24.5/27



Right In: 1411.745+/-0.389 χ^2/NDF: 1177746.1/15

Left Out: 983.961+/-0.251 χ^2/NDF:285596.6/9

Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

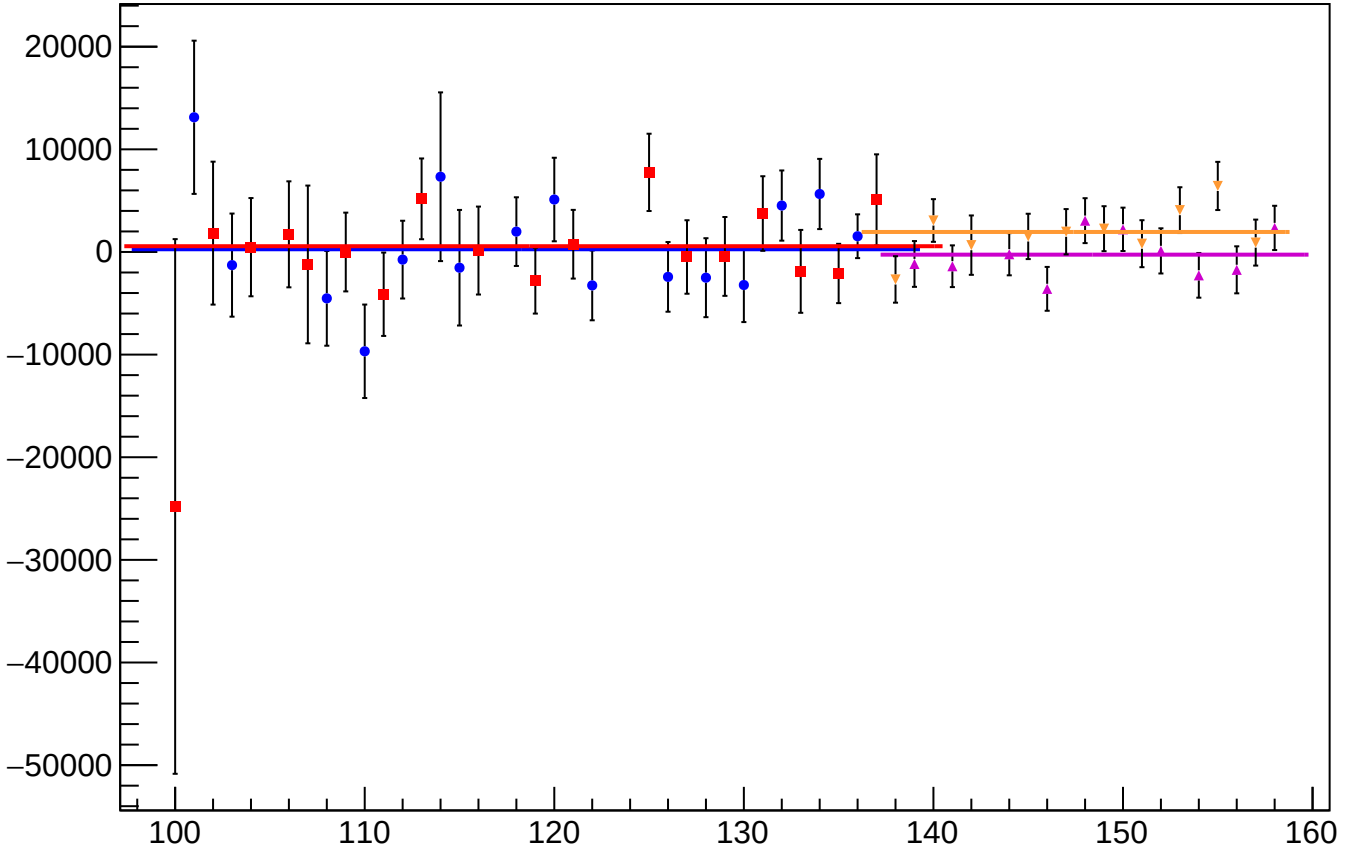
Left In: 988.581+/-0.239 χ^2/NDF:237728.2/9

+ sign 1109.751+/-0.211 χ^2/NDF: 2314891.7/25

All: 1114.498+/-0.148 χ^2/NDF: 5127557.1/53

- sign 1119.078+/-0.207 χ^2/NDF: 2811672.7/27

asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 1949.088+/-718.481 χ^2/NDF:9.7/9

Right Out: 560.962+/-962.943 χ^2/NDF: 11.7/17

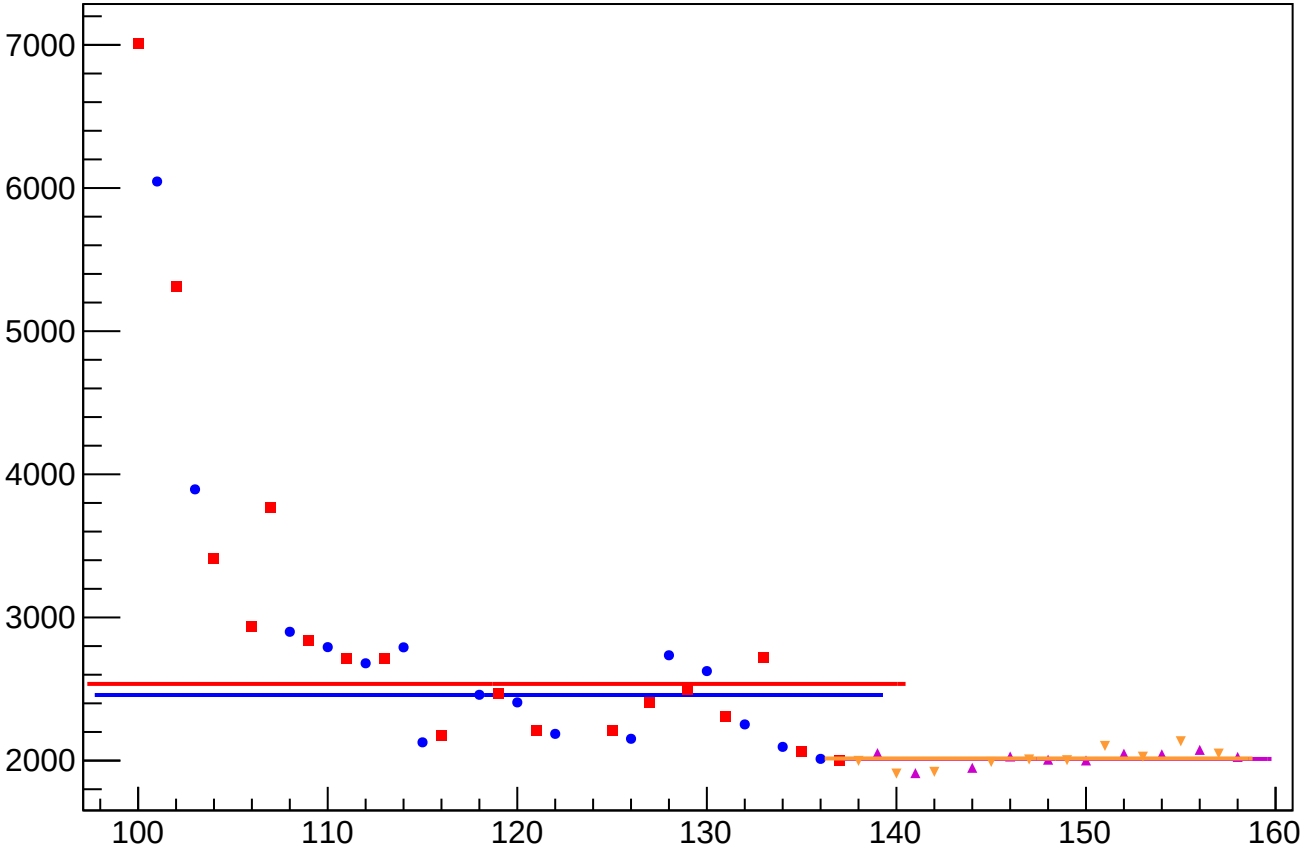
Left In: -261.890+/-681.286 χ^2/NDF:9.3/9

+ sign 1329.462+/-571.274 χ^2/NDF: 30.8/25

All: 653.384+/-398.502 χ^2/NDF: 55.1/53

- sign 12.599+/-556.163 χ^2/NDF: 21.6/27

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2458.332+/-0.666 χ^2/NDF: 832888.7/15

Left Out: 2014.765+/-0.508 χ^2/NDF:16364.4/9

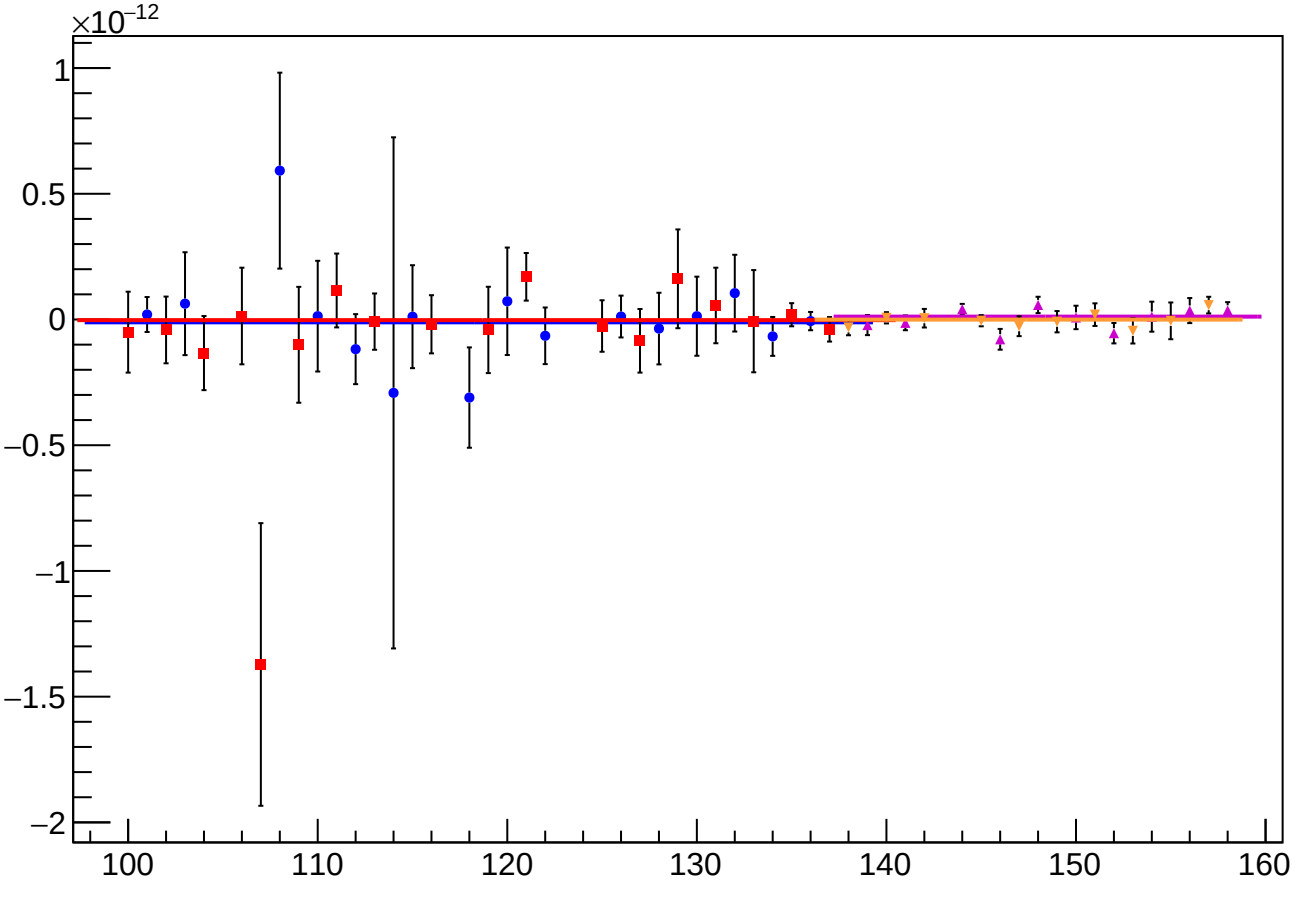
Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 2011.504+/-0.482 χ^2/NDF:10020.5/9

+ sign 2177.906+/-0.404 χ^2/NDF: 1129617.8/25

All: 2182.265+/-0.282 χ^2/NDF: 2208296.7/53

- sign 2186.395+/-0.393 χ^2/NDF: 1078452.2/27



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.6/9

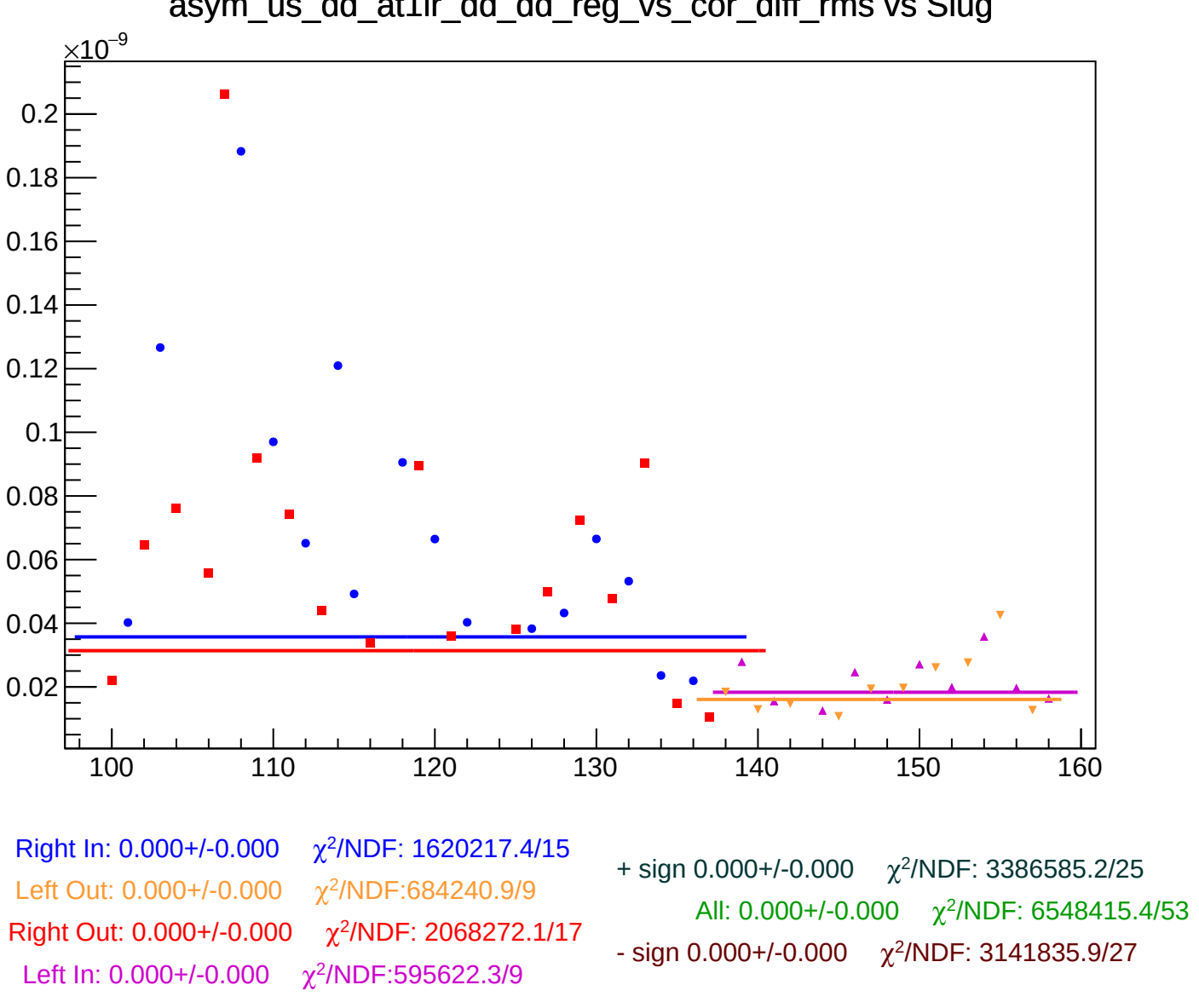
Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: 0.000+/-0.000 χ^2/NDF:13.7/9

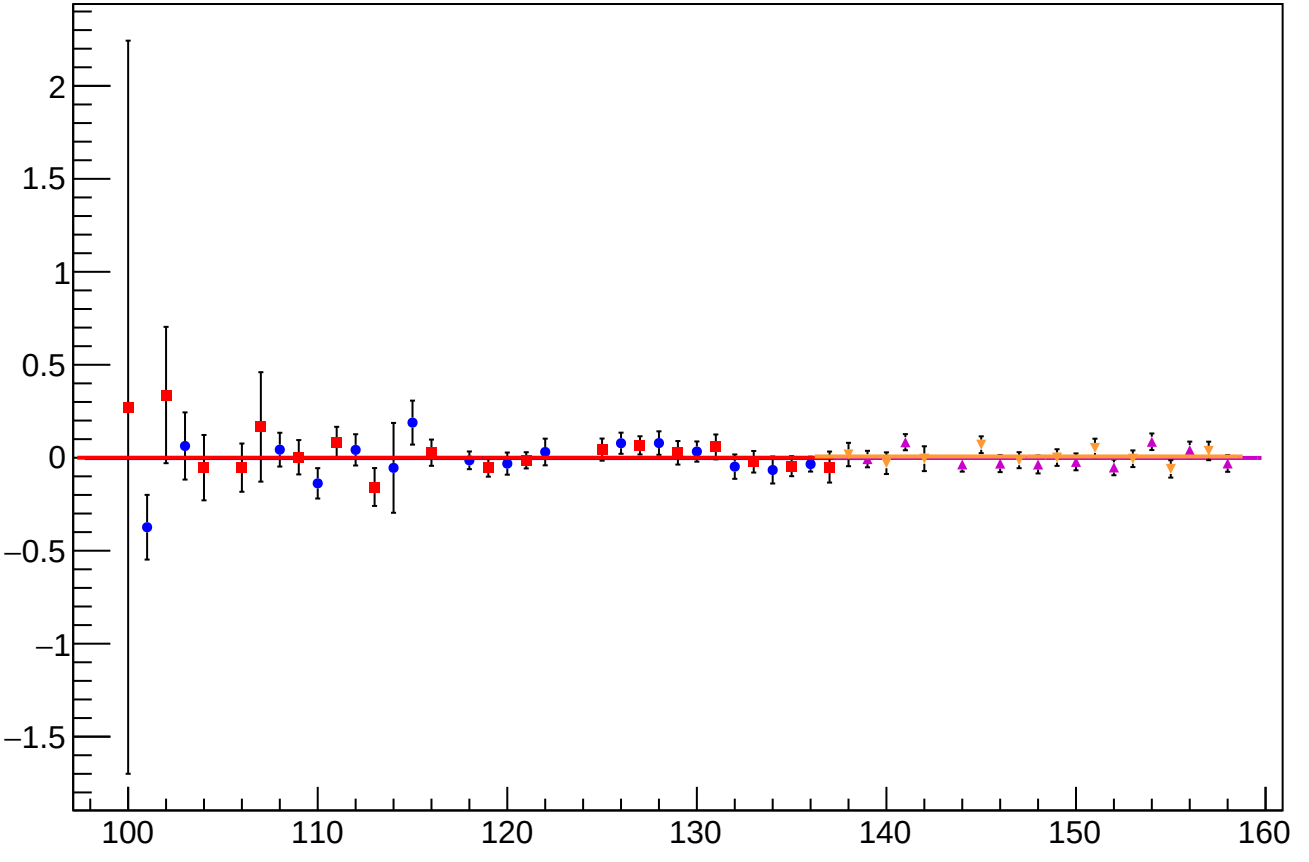
+ sign -0.000+/-0.000 χ^2/NDF: 13.1/25

All: 0.000+/-0.000 χ^2/NDF: 40.9/53

- sign 0.000+/-0.000 χ^2/NDF: 27.2/27


asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1620217.4/15
Left Out: 0.000+/-0.000 χ²/NDF:684240.9/9
Right Out: 0.000+/-0.000 χ²/NDF: 2068272.1/17
Left In: 0.000+/-0.000 χ²/NDF:595622.3/9
+ sign 0.000+/-0.000 χ²/NDF: 3386585.2/25
All: 0.000+/-0.000 χ²/NDF: 6548415.4/53
- sign 0.000+/-0.000 χ²/NDF: 3141835.9/27

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.007+/-0.016 χ^2/NDF:6.0/9

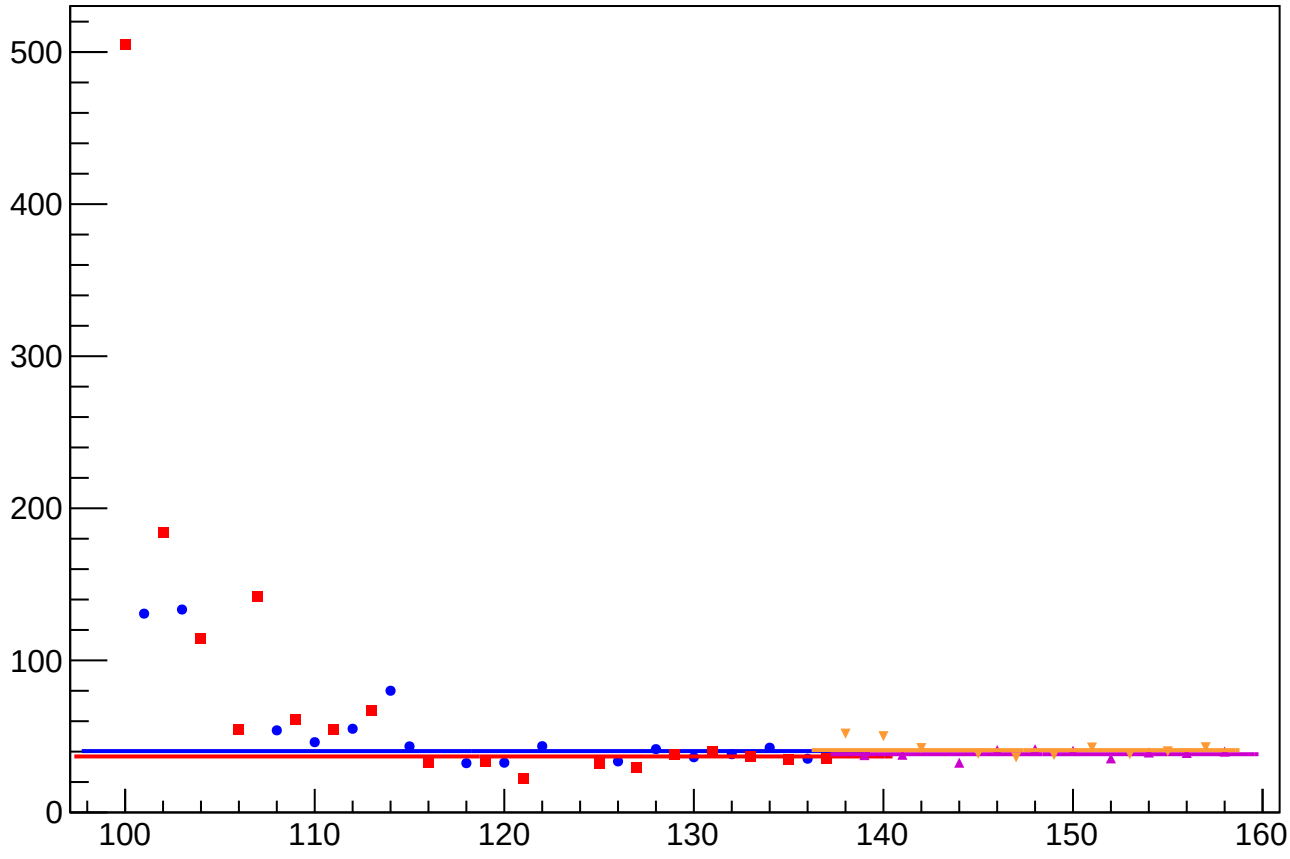
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.001+/-0.014 χ^2/NDF:12.3/9

+ sign 0.003+/-0.012 χ^2/NDF: 23.2/25

All: 0.001+/-0.008 χ^2/NDF: 46.5/53

- sign -0.001+/-0.011 χ^2/NDF: 23.2/27



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 40.988+/-0.011 χ^2/NDF:163927.5/9

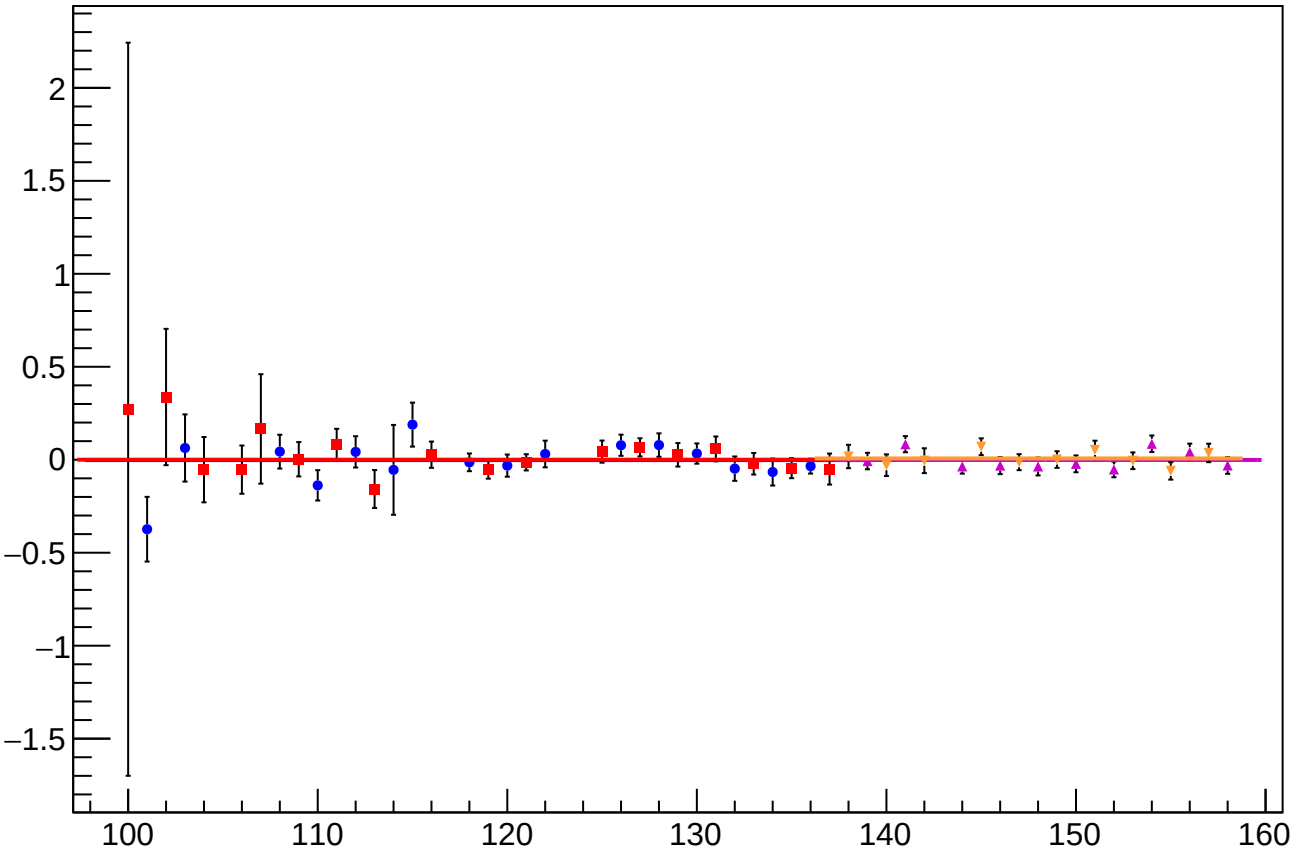
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 38.291+/-0.010 χ^2/NDF:76315.5/9

\+ sign 40.697+/-0.008 χ^2/NDF: 1575572.2/25

All: 39.077+/-0.006 χ^2/NDF: 3571164.1/53

\- sign 37.686+/-0.008 χ^2/NDF: 1922530.3/27



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.007+/-0.016 χ^2/NDF:6.0/9

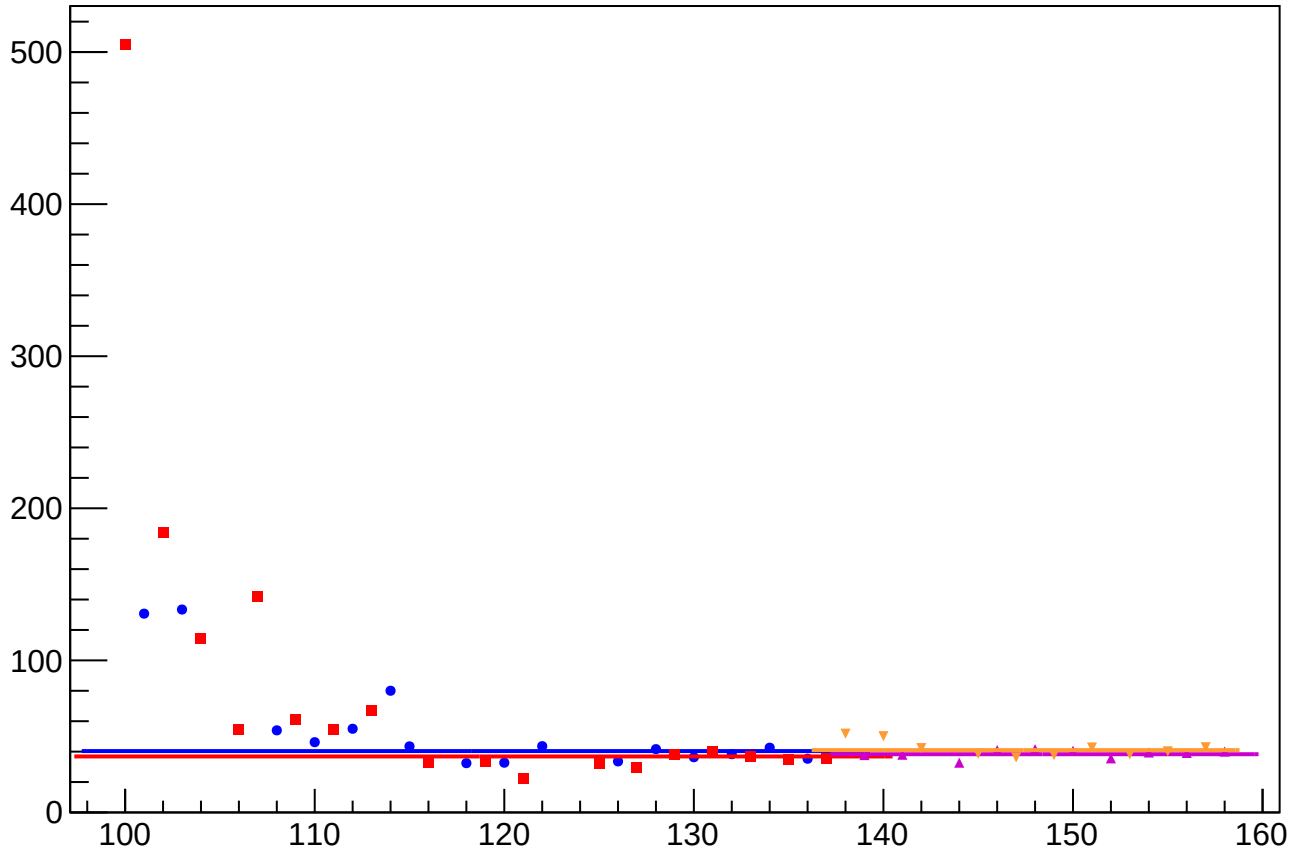
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.001+/-0.014 χ^2/NDF:12.3/9

+ sign 0.003+/-0.012 χ^2/NDF: 23.2/25

All: 0.001+/-0.008 χ^2/NDF: 46.5/53

- sign -0.001+/-0.011 χ^2/NDF: 23.2/27



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 40.988+/-0.011 χ^2/NDF:163927.5/9

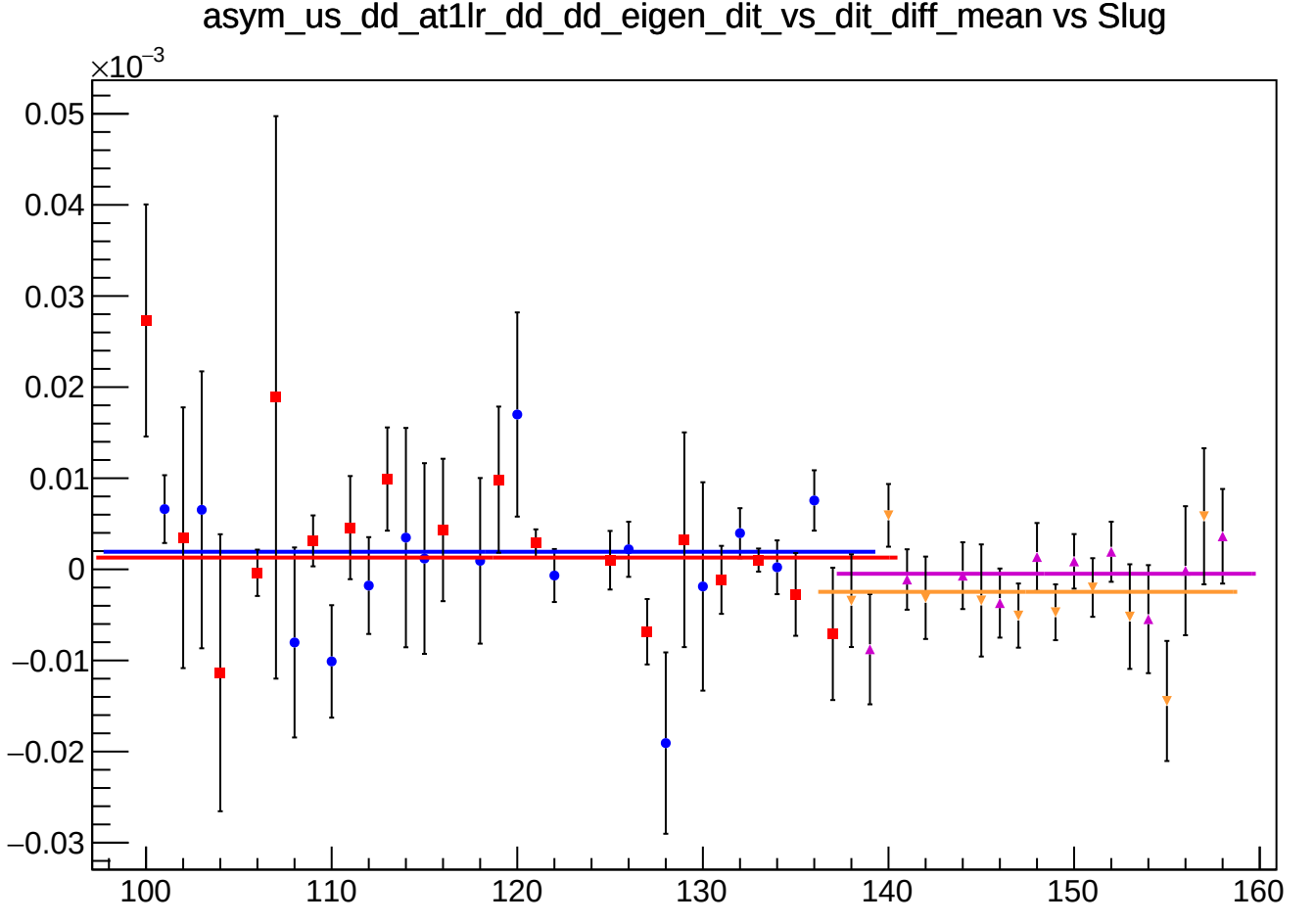
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 38.291+/-0.010 χ^2/NDF:76315.5/9

\+ sign 40.697+/-0.008 χ^2/NDF: 1575572.2/25

All: 39.077+/-0.006 χ^2/NDF: 3571164.1/53

\- sign 37.686+/-0.008 χ^2/NDF: 1922530.3/27



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.9/9

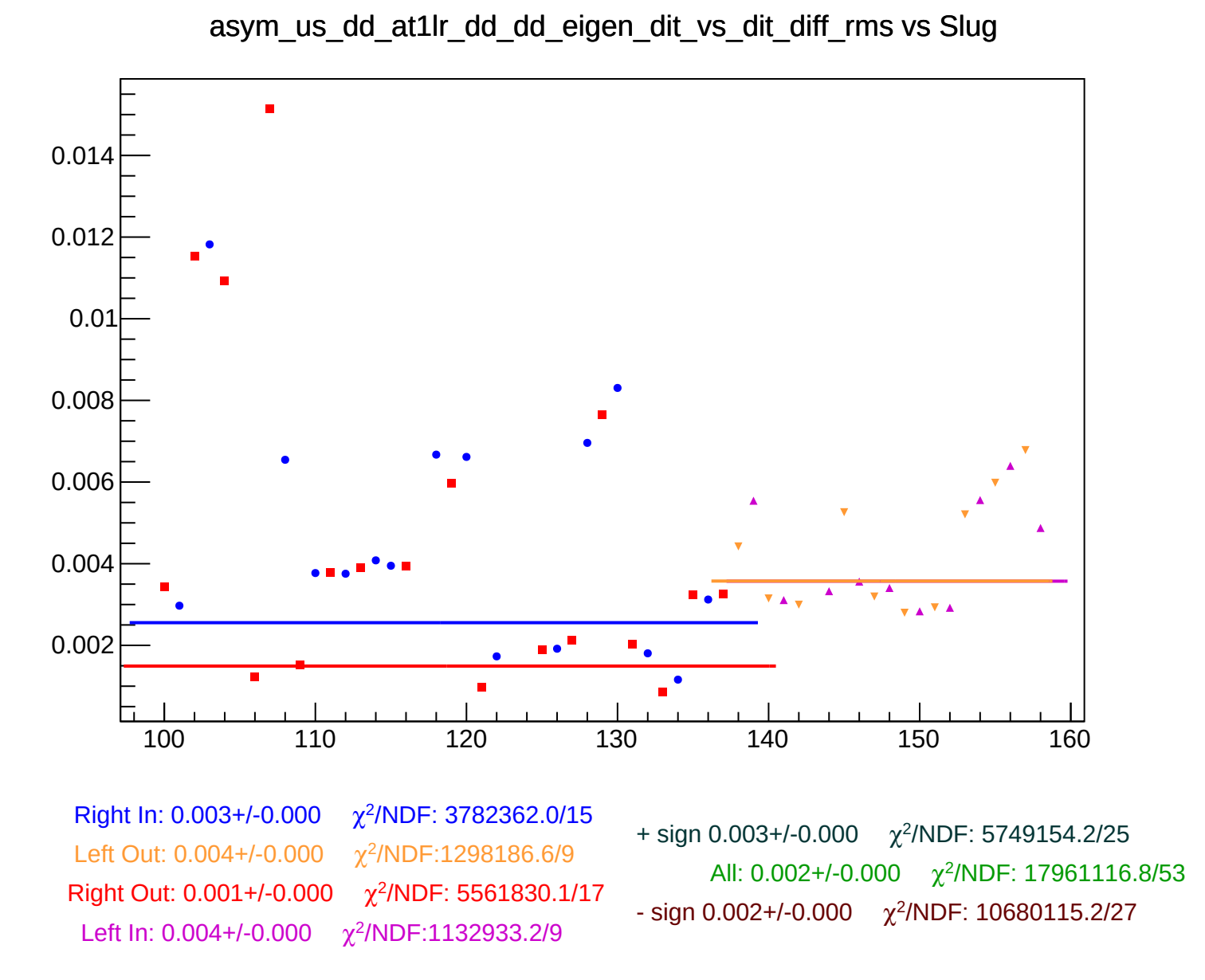
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

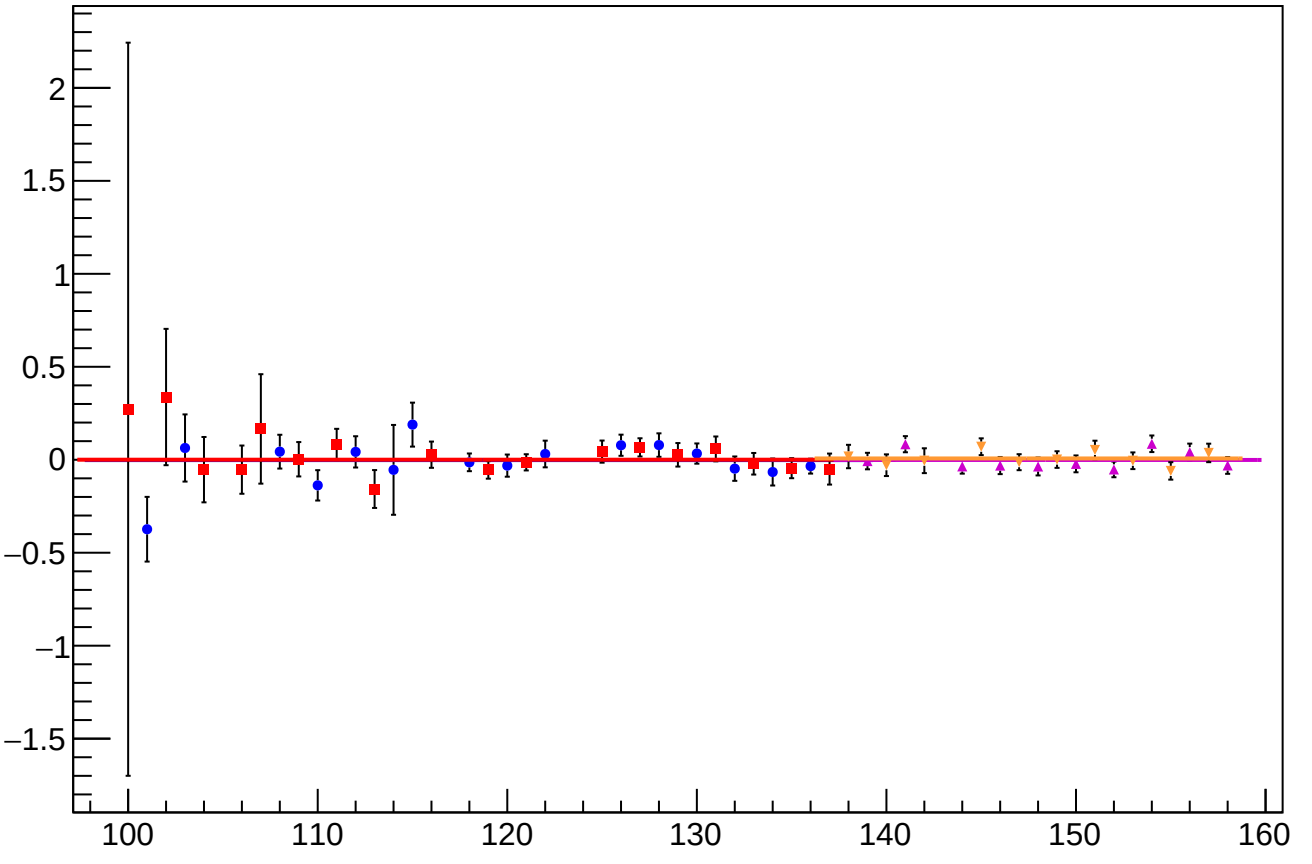
Left In: -0.000+/-0.000 χ^2/NDF:5.0/9

+ sign 0.000+/-0.000 χ^2/NDF: 36.0/25

All: 0.000+/-0.000 χ^2/NDF: 61.7/53

- sign 0.000+/-0.000 χ^2/NDF: 25.3/27


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
110
120
130
140
150
160
Right In: 0.003+/-0.000 χ²/NDF: 3782362.0/15
Left Out: 0.004+/-0.000 χ²/NDF:1298186.6/9
Right Out: 0.001+/-0.000 χ²/NDF: 5561830.1/17
Left In: 0.004+/-0.000 χ²/NDF:1132933.2/9
+ sign 0.003+/-0.000 χ²/NDF: 5749154.2/25
All: 0.002+/-0.000 χ²/NDF: 17961116.8/53
- sign 0.002+/-0.000 χ²/NDF: 10680115.2/27



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.007+/-0.016 χ^2/NDF:6.0/9

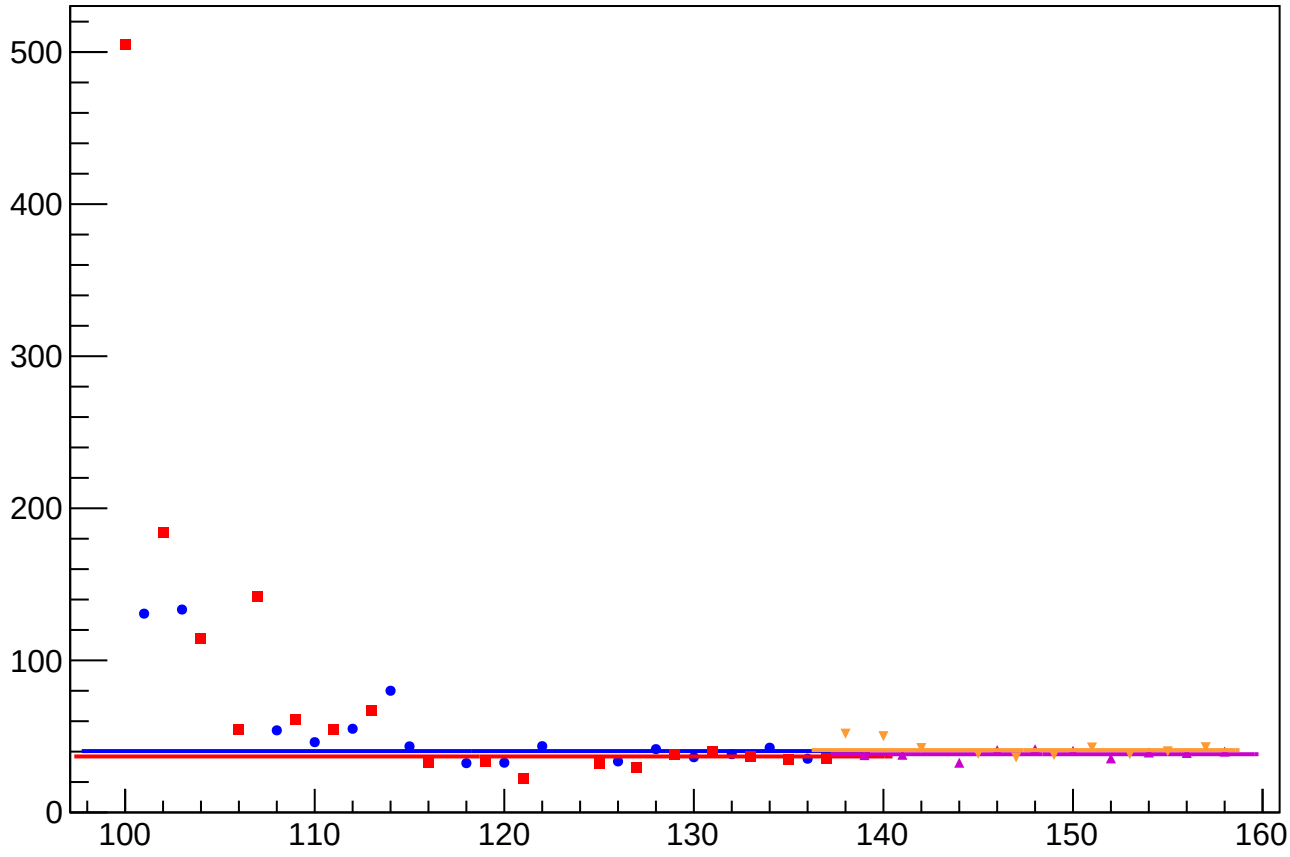
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.001+/-0.014 χ^2/NDF:12.3/9

+ sign 0.003+/-0.012 χ^2/NDF: 23.2/25

All: 0.001+/-0.008 χ^2/NDF: 46.5/53

- sign -0.001+/-0.011 χ^2/NDF: 23.2/27



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 40.989+/-0.011 χ^2/NDF:163936.3/9

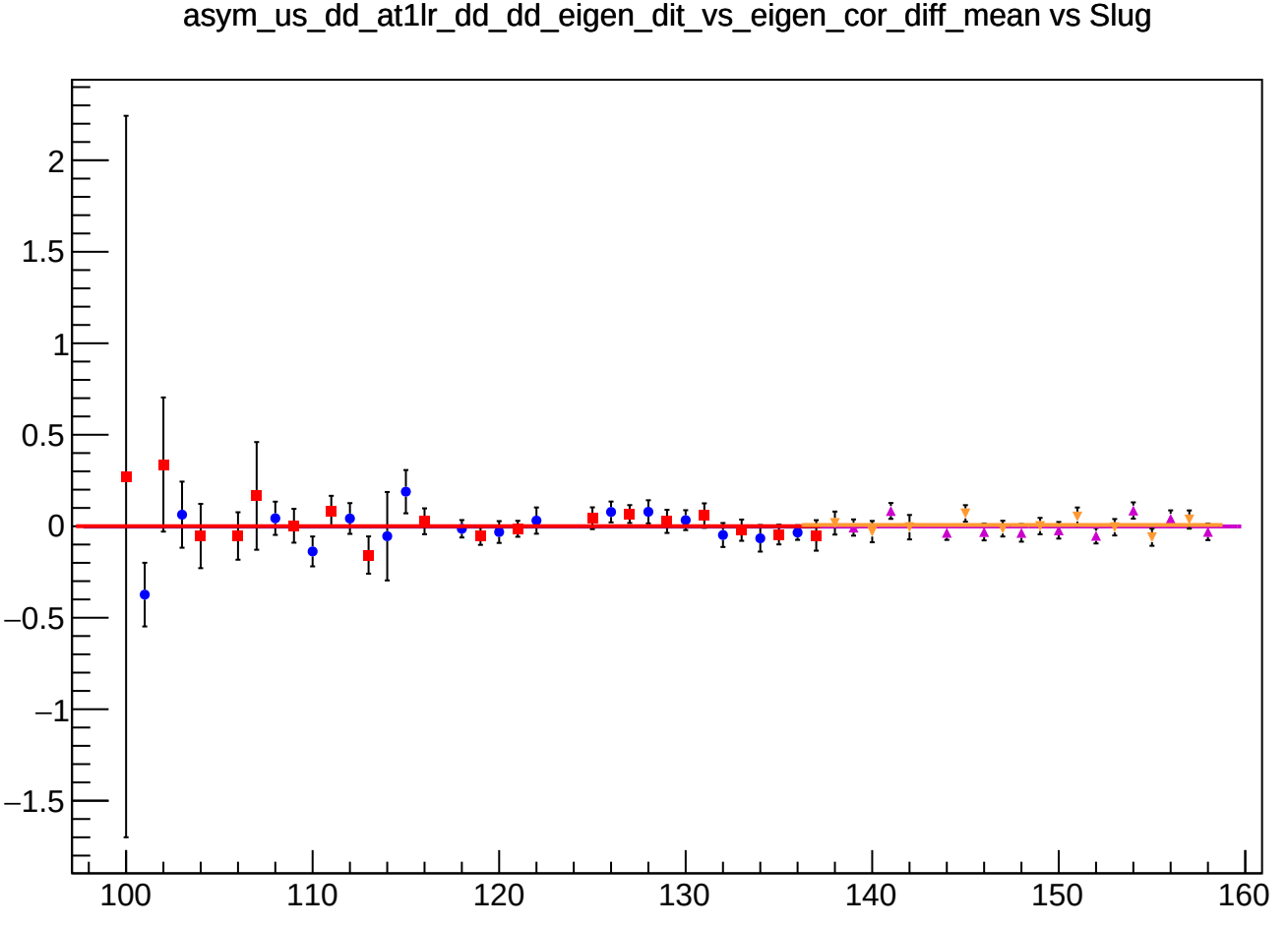
Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 38.291+/-0.010 χ^2/NDF:76309.3/9

+ sign 40.697+/-0.008 χ^2/NDF: 1575478.7/25

All: 39.077+/-0.006 χ^2/NDF: 3571102.2/53

- sign 37.685+/-0.008 χ^2/NDF: 1922530.4/27



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.007+/-0.016 χ^2/NDF:6.0/9

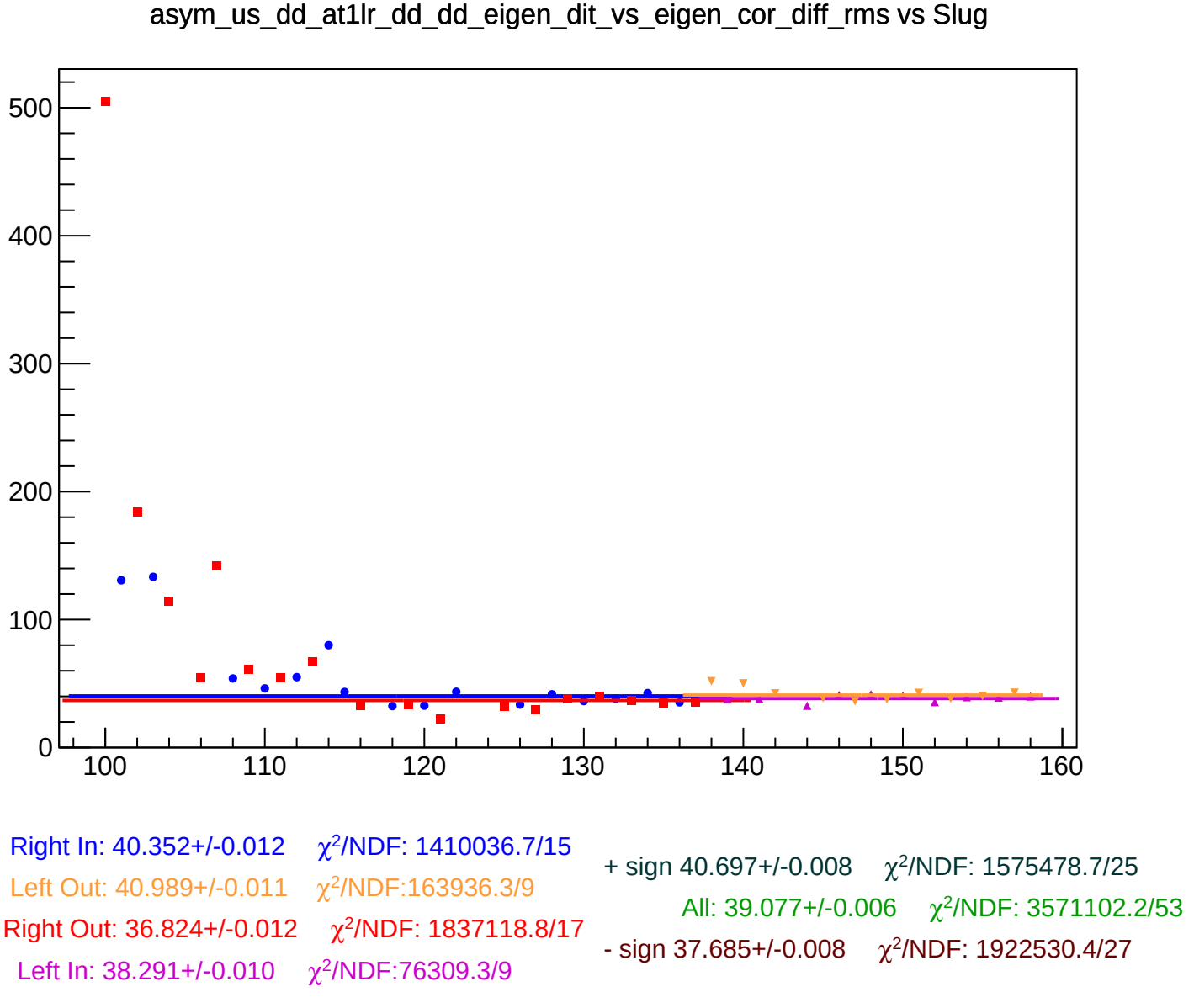
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

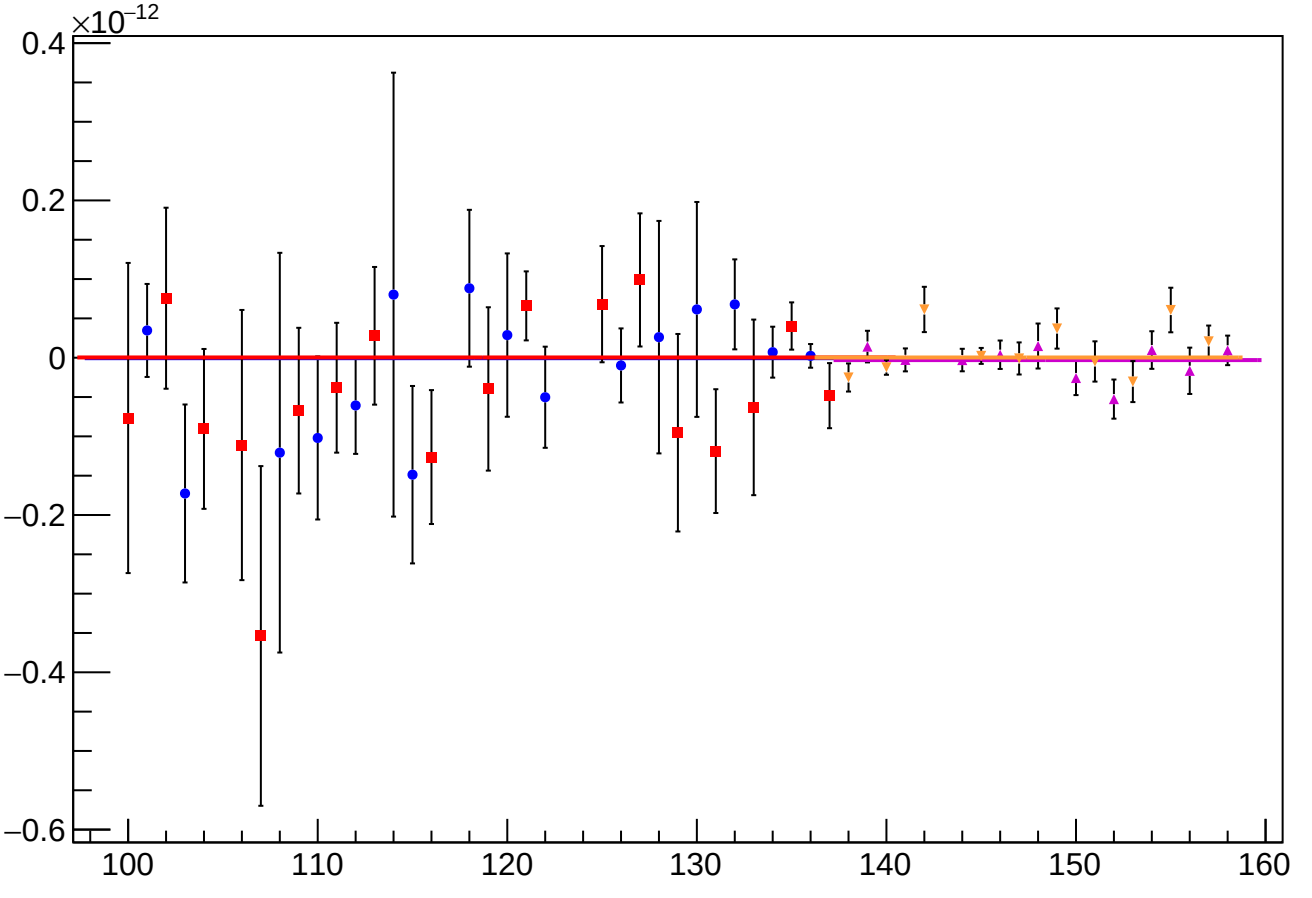
Left In: -0.001+/-0.014 χ^2/NDF:12.3/9

+ sign 0.003+/-0.012 χ^2/NDF: 23.2/25

All: 0.001+/-0.008 χ^2/NDF: 46.5/53

- sign -0.001+/-0.011 χ^2/NDF: 23.2/27


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
500
400
300
200
100
0
100
110
120
130
140
150
160
Right In: 40.352+/-0.012 χ²/NDF: 1410036.7/15
Left Out: 40.989+/-0.011 χ²/NDF:163936.3/9
Right Out: 36.824+/-0.012 χ²/NDF: 1837118.8/17
Left In: 38.291+/-0.010 χ²/NDF:76309.3/9
+ sign 40.697+/-0.008 χ²/NDF: 1575478.7/25
All: 39.077+/-0.006 χ²/NDF: 3571102.2/53
- sign 37.685+/-0.008 χ²/NDF: 1922530.4/27



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.4/9

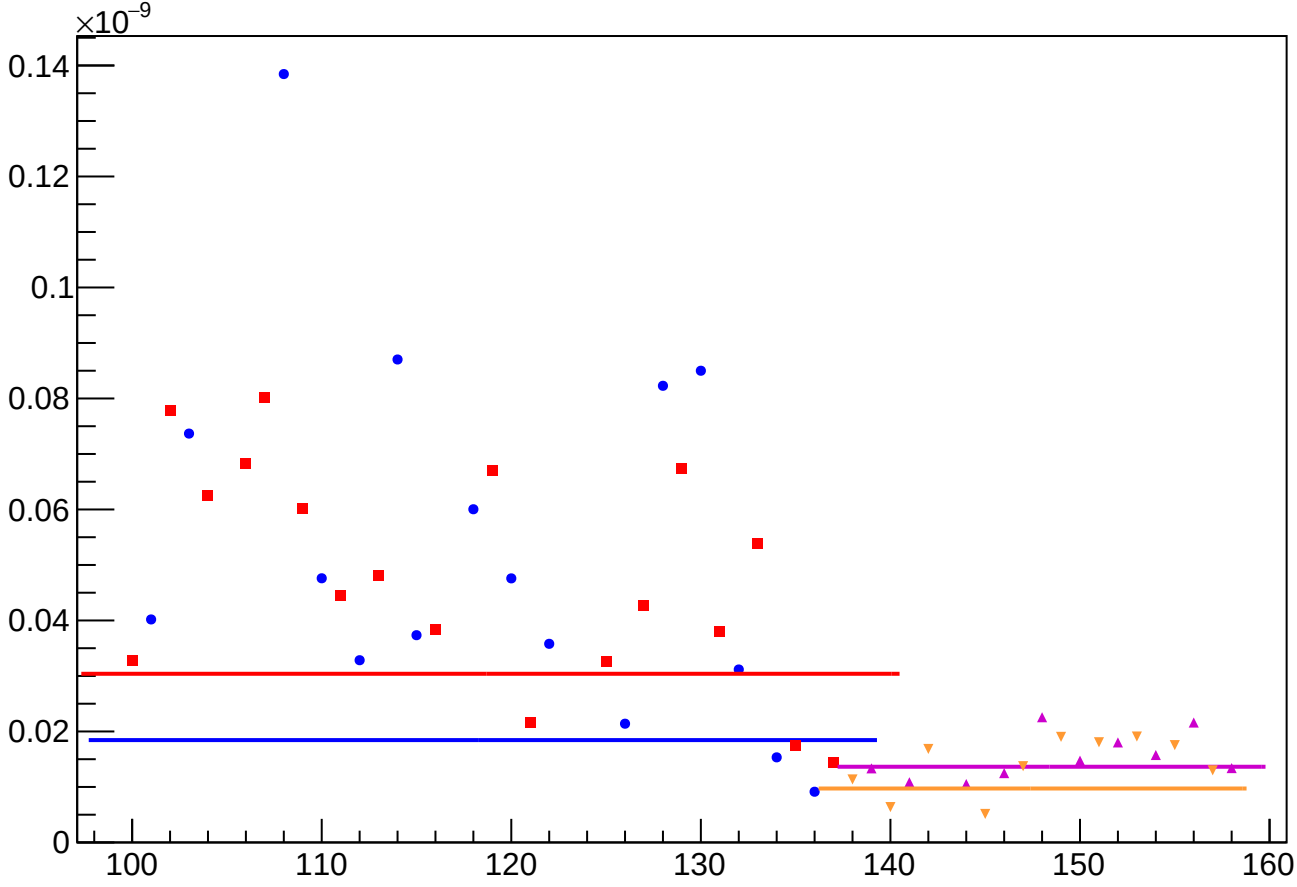
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: -0.000+/-0.000 χ^2/NDF:7.3/9

+ sign 0.000+/-0.000 χ^2/NDF: 27.3/25

All: -0.000+/-0.000 χ^2/NDF: 53.1/53

- sign -0.000+/-0.000 χ^2/NDF: 25.7/27



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1815723.1/9

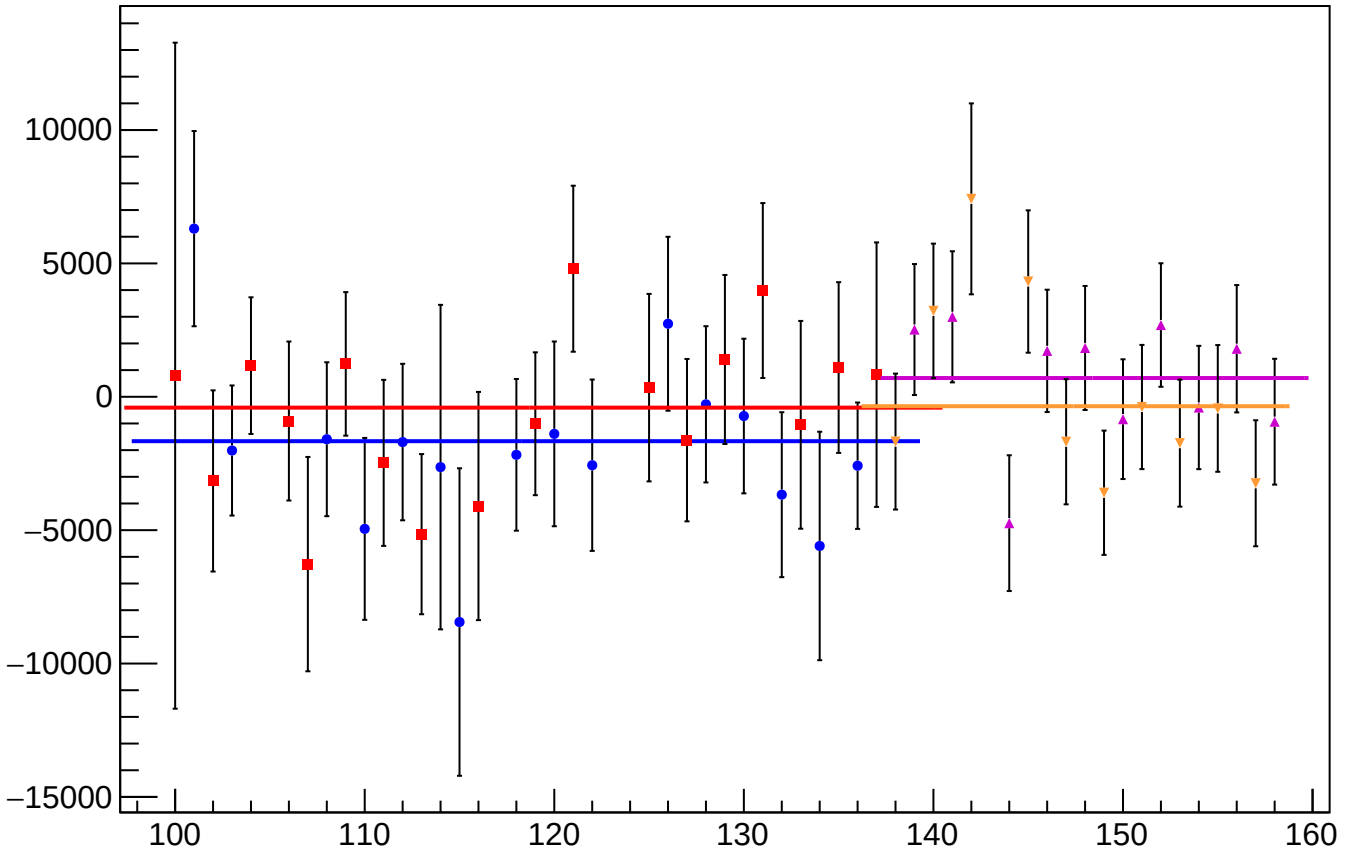
Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:600447.2/9

+ sign 0.000+/-0.000 χ^2/NDF: 6781145.9/25

All: 0.000+/-0.000 χ^2/NDF: 12294635.7/53

- sign 0.000+/-0.000 χ^2/NDF: 4799538.5/27



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: -353.842+/-787.266 χ^2/NDF:14.2/9

Right Out: -406.847+/-777.158 χ^2/NDF: 12.7/17

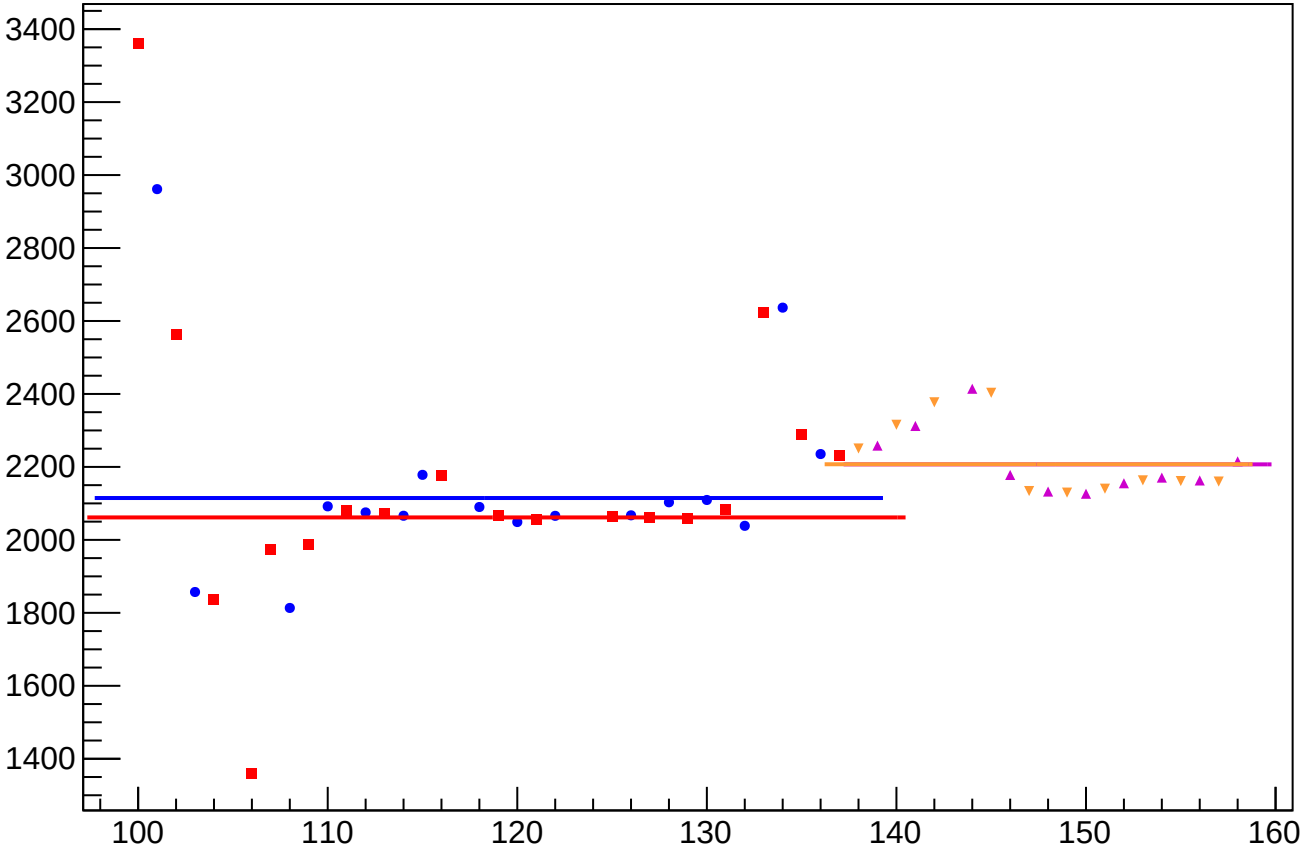
Left In: 702.804+/-747.740 χ^2/NDF:8.6/9

+ sign -1005.010+/-558.405 χ^2/NDF: 26.3/25

All: -396.874+/-387.747 χ^2/NDF: 51.0/53

- sign 169.377+/-538.832 χ^2/NDF: 22.4/27

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2207.290+/-0.557 χ^2/NDF:27636.0/9

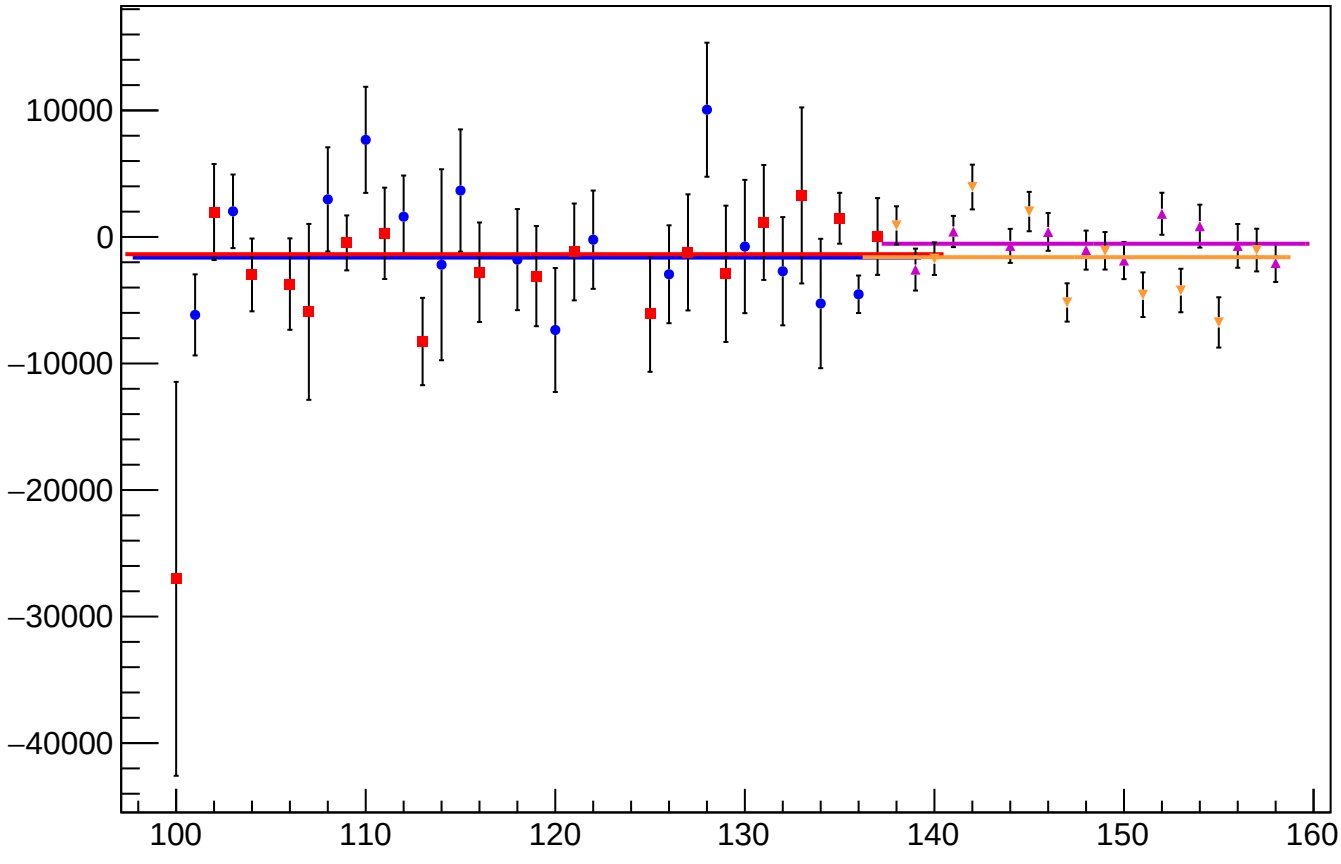
Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2207.007+/-0.529 χ^2/NDF:24971.8/9

+ sign 2161.309+/-0.395 χ^2/NDF: 231286.5/25

All: 2148.767+/-0.274 χ^2/NDF: 543770.8/53

- sign 2137.088+/-0.381 χ^2/NDF: 310535.7/27



Right In: -1630.474+/-862.417 χ^2/NDF: 22.9/15

Left Out: -1598.667+/-504.258 χ^2/NDF:35.7/9

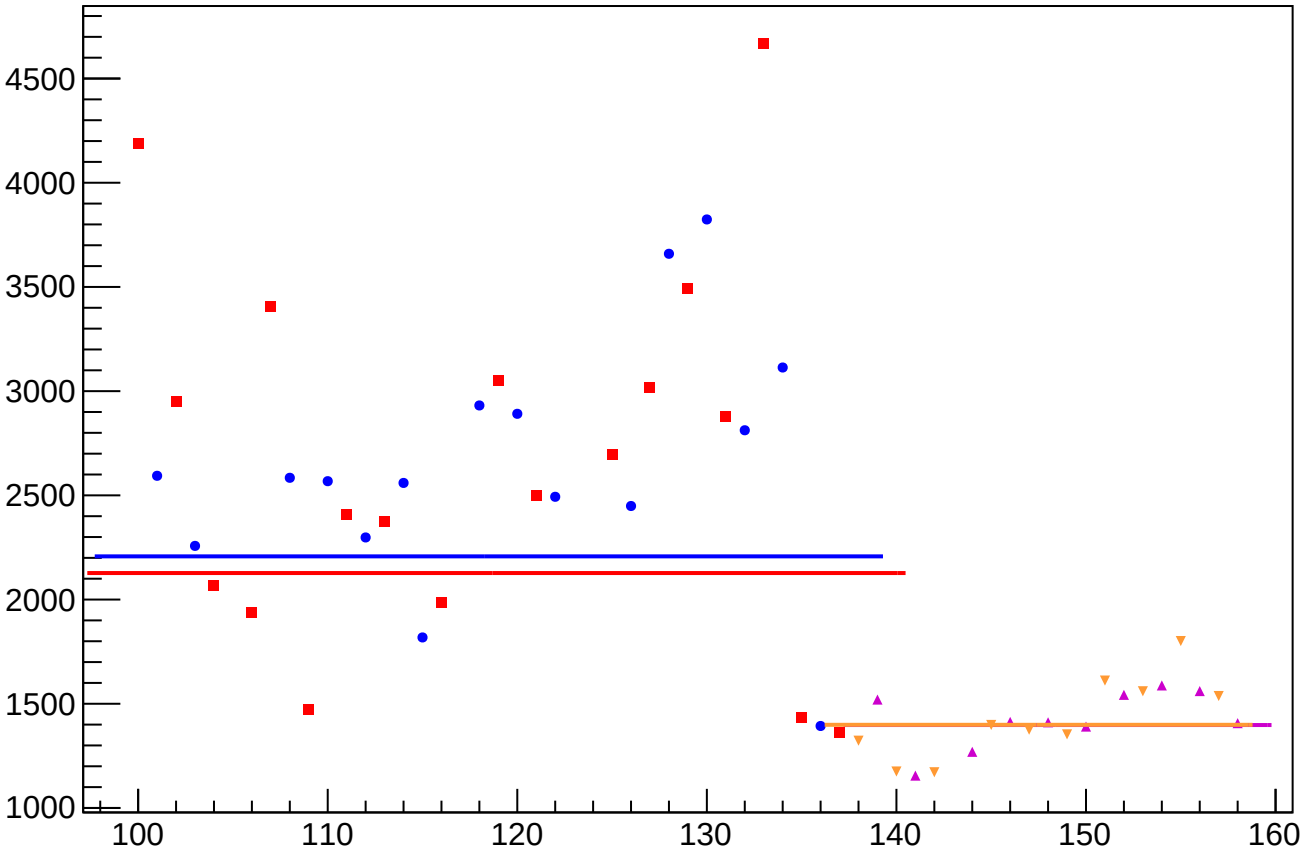
Right Out: -1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: -535.738+/-476.703 χ^2/NDF:7.2/9

+ sign -1606.771+/-435.308 χ^2/NDF: 58.5/25

All: -1150.663+/-300.237 χ^2/NDF: 82.0/53

- sign -736.830+/-414.644 χ^2/NDF: 21.4/27



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1399.019+/-0.357 χ^2/NDF:243109.5/9

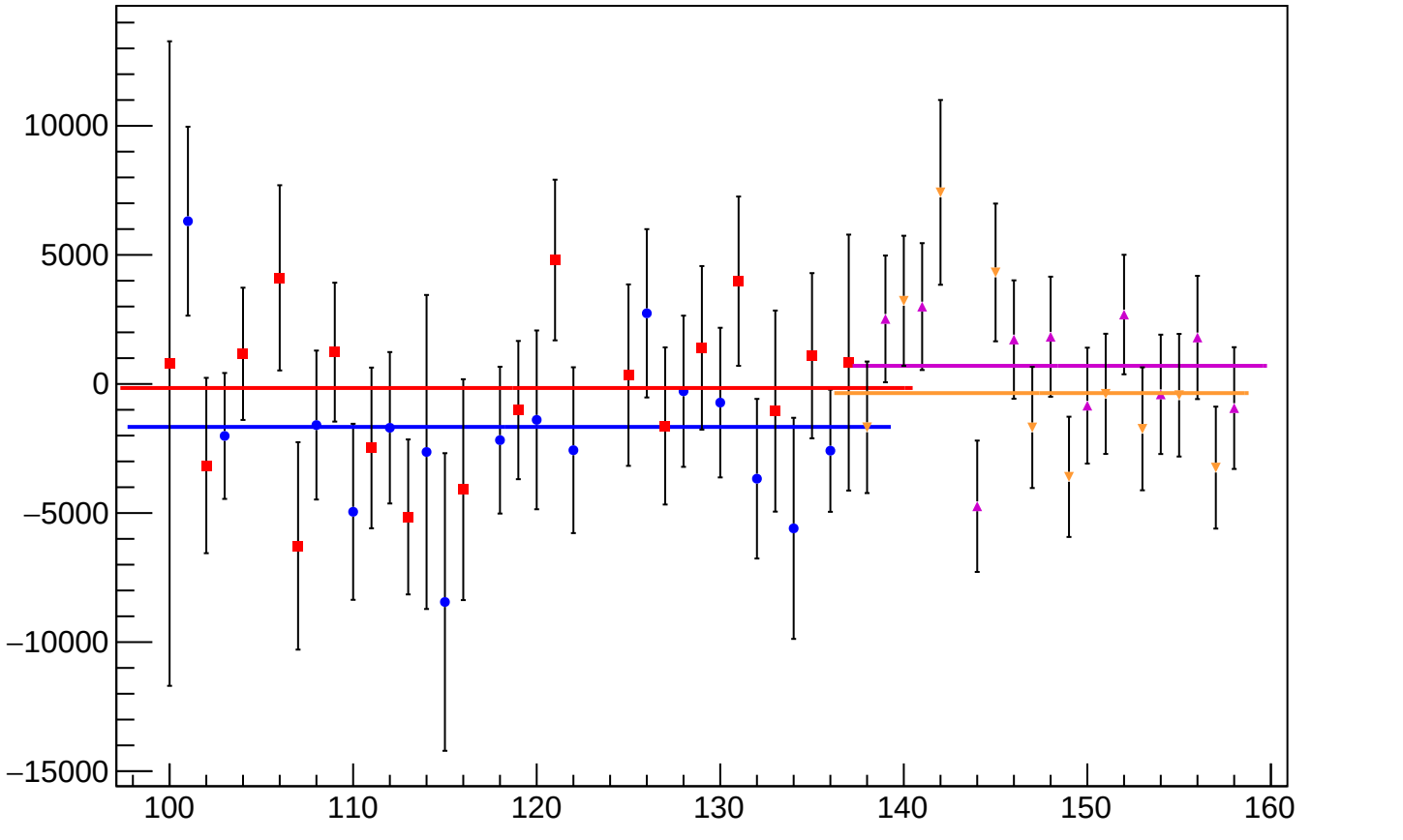
Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1397.928+/-0.337 χ^2/NDF:165257.8/9

+ sign 1604.938+/-0.308 χ^2/NDF: 2801429.0/25

All: 1589.480+/-0.212 χ^2/NDF: 5569011.3/53

- sign 1575.455+/-0.293 χ^2/NDF: 2762772.1/27



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: -353.588+/-787.266 χ^2/NDF:14.2/9

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

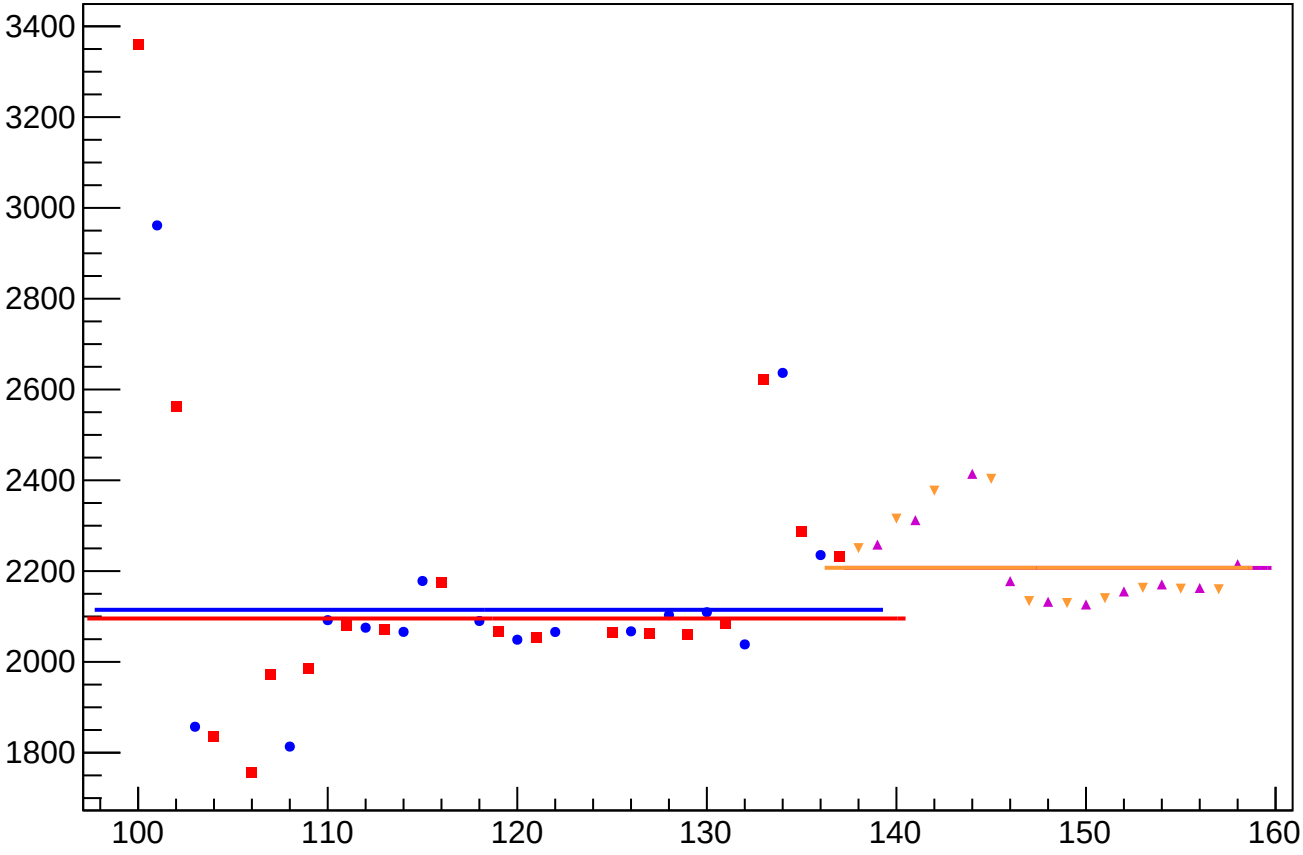
Left In: 702.725+/-747.740 χ^2/NDF:8.6/9

\+ sign -1004.845+/-558.405 χ^2/NDF: 26.3/25

All: -335.258+/-388.768 χ^2/NDF: 52.5/53

\- sign 294.594+/-541.583 χ^2/NDF: 23.4/27

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2207.290+/-0.557 χ^2/NDF:27636.0/9

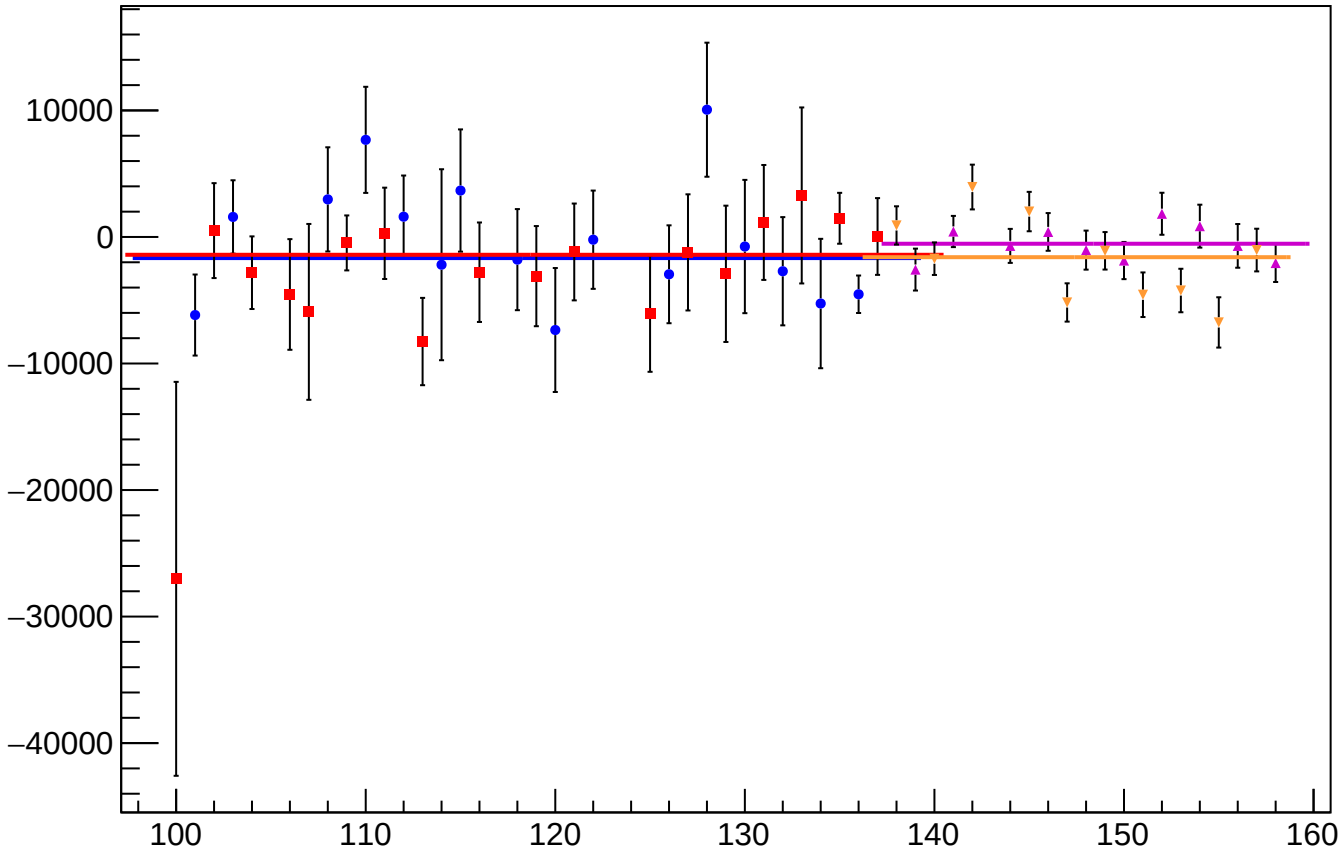
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2207.007+/-0.529 χ^2/NDF:24971.8/9

+ sign 2161.309+/-0.395 χ^2/NDF: 231286.9/25

All: 2157.565+/-0.275 χ^2/NDF: 426901.4/53

- sign 2154.043+/-0.383 χ^2/NDF: 195440.0/27



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -1598.629+/-504.261 χ^2/NDF:35.7/9

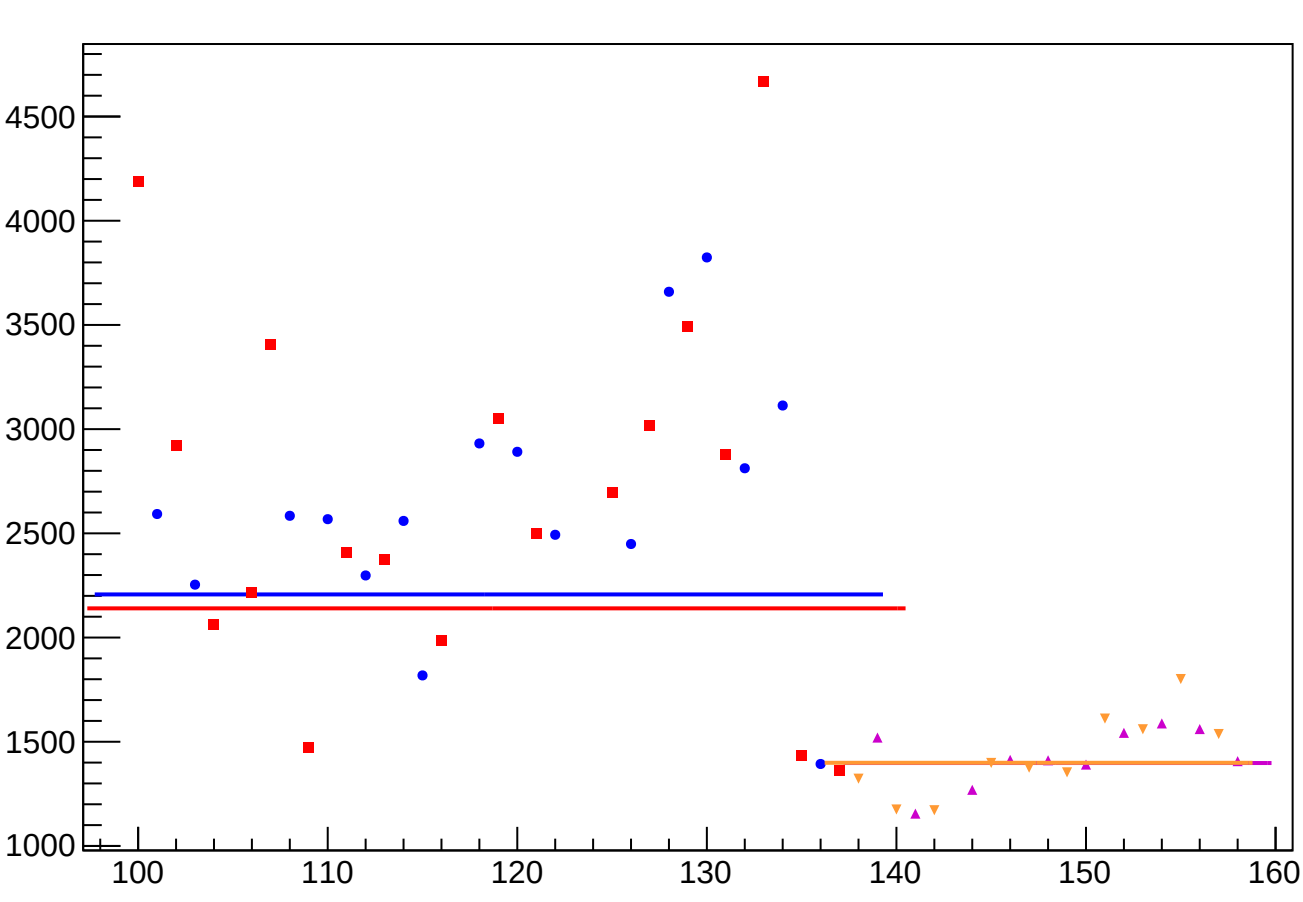
Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: -535.673+/-476.703 χ^2/NDF:7.2/9

+ sign -1616.435+/-435.272 χ^2/NDF: 58.2/25

All: -1160.664+/-300.525 χ^2/NDF: 81.3/53

- sign -745.488+/-415.435 χ^2/NDF: 21.0/27



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1399.031+/-0.357 χ^2/NDF:243053.2/9

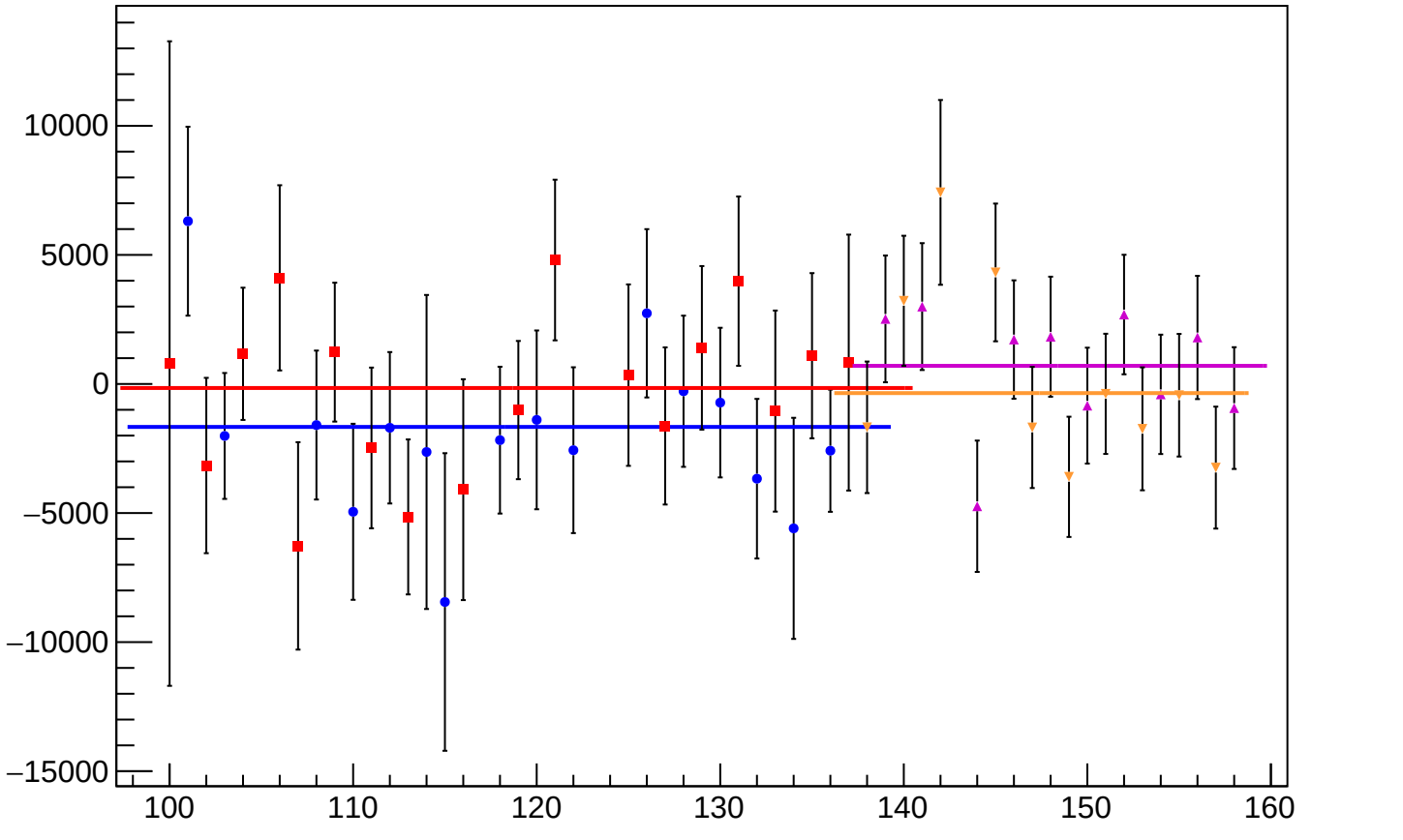
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1397.926+/-0.337 χ^2/NDF:165296.4/9

+ sign 1604.967+/-0.308 χ^2/NDF: 2800657.8/25

All: 1590.034+/-0.213 χ^2/NDF: 5584736.0/53

- sign 1576.432+/-0.294 χ^2/NDF: 2779580.2/27



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: -353.588+/-787.266 χ^2/NDF:14.2/9

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

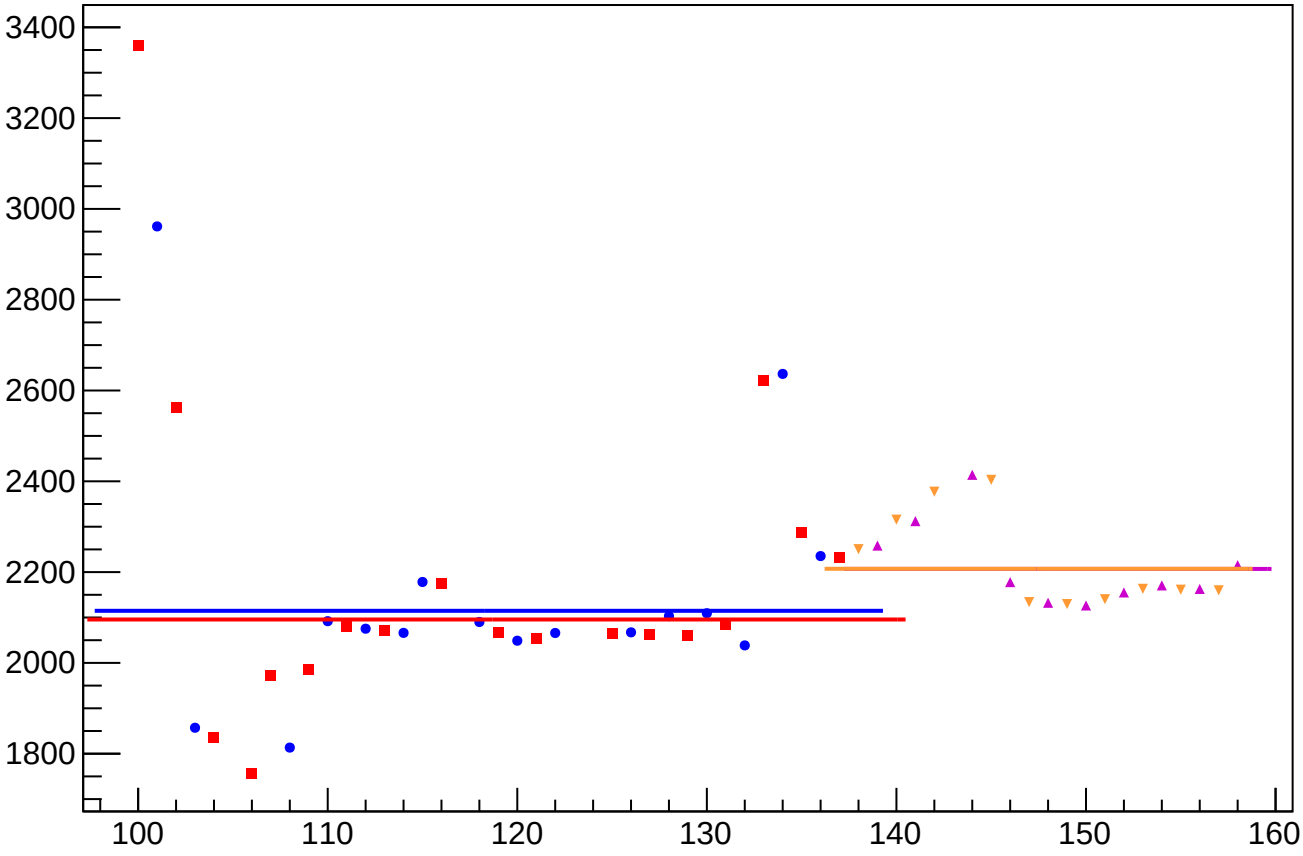
Left In: 702.725+/-747.740 χ^2/NDF:8.6/9

+ sign -1004.845+/-558.405 χ^2/NDF: 26.3/25

All: -335.258+/-388.768 χ^2/NDF: 52.5/53

- sign 294.594+/-541.583 χ^2/NDF: 23.4/27

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2207.290+/-0.557 χ^2/NDF:27636.0/9

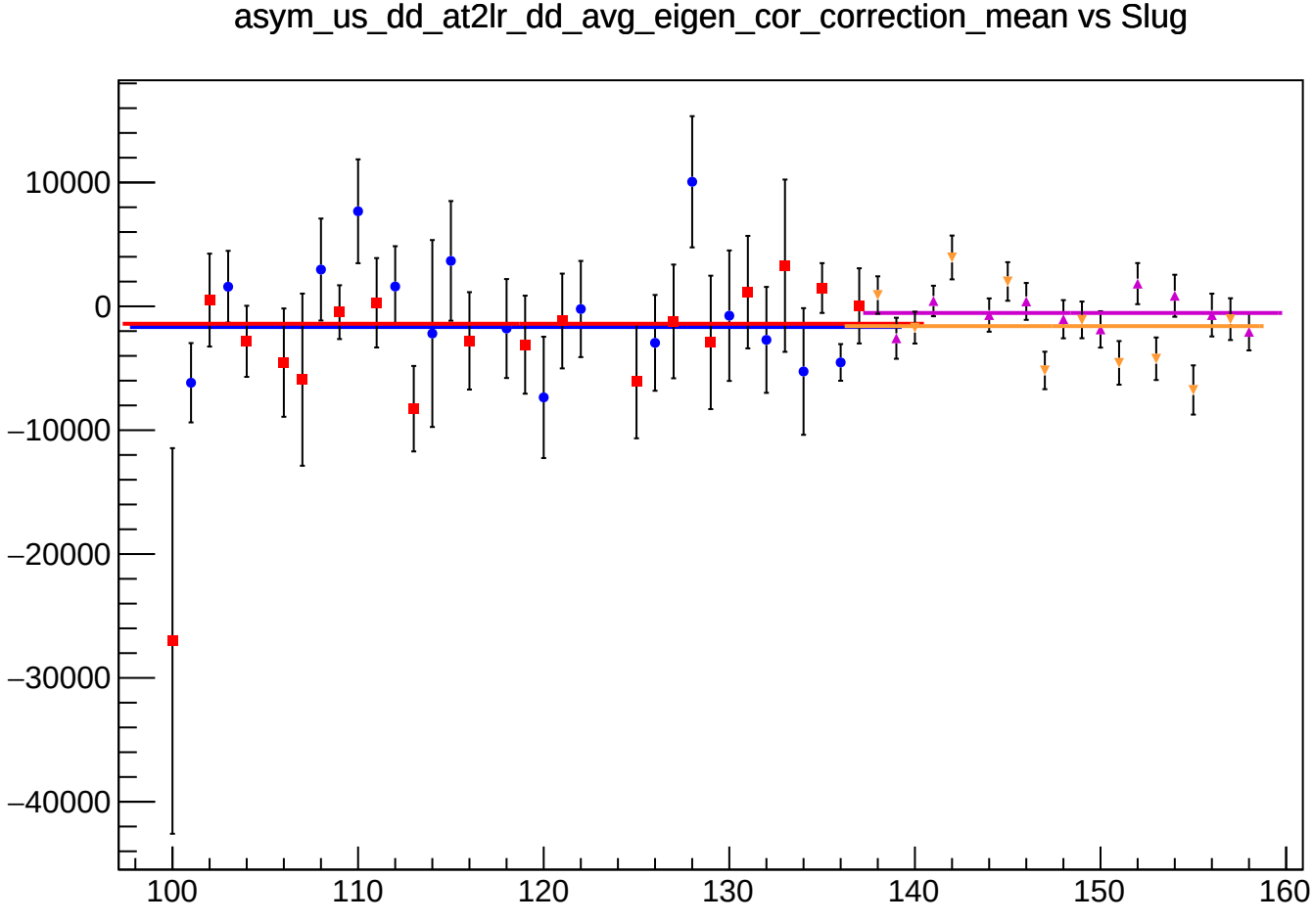
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2207.007+/-0.529 χ^2/NDF:24971.8/9

+ sign 2161.309+/-0.395 χ^2/NDF: 231286.9/25

All: 2157.565+/-0.275 χ^2/NDF: 426901.4/53

- sign 2154.043+/-0.383 χ^2/NDF: 195440.0/27



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -1598.629+/-504.261 χ^2/NDF:35.7/9

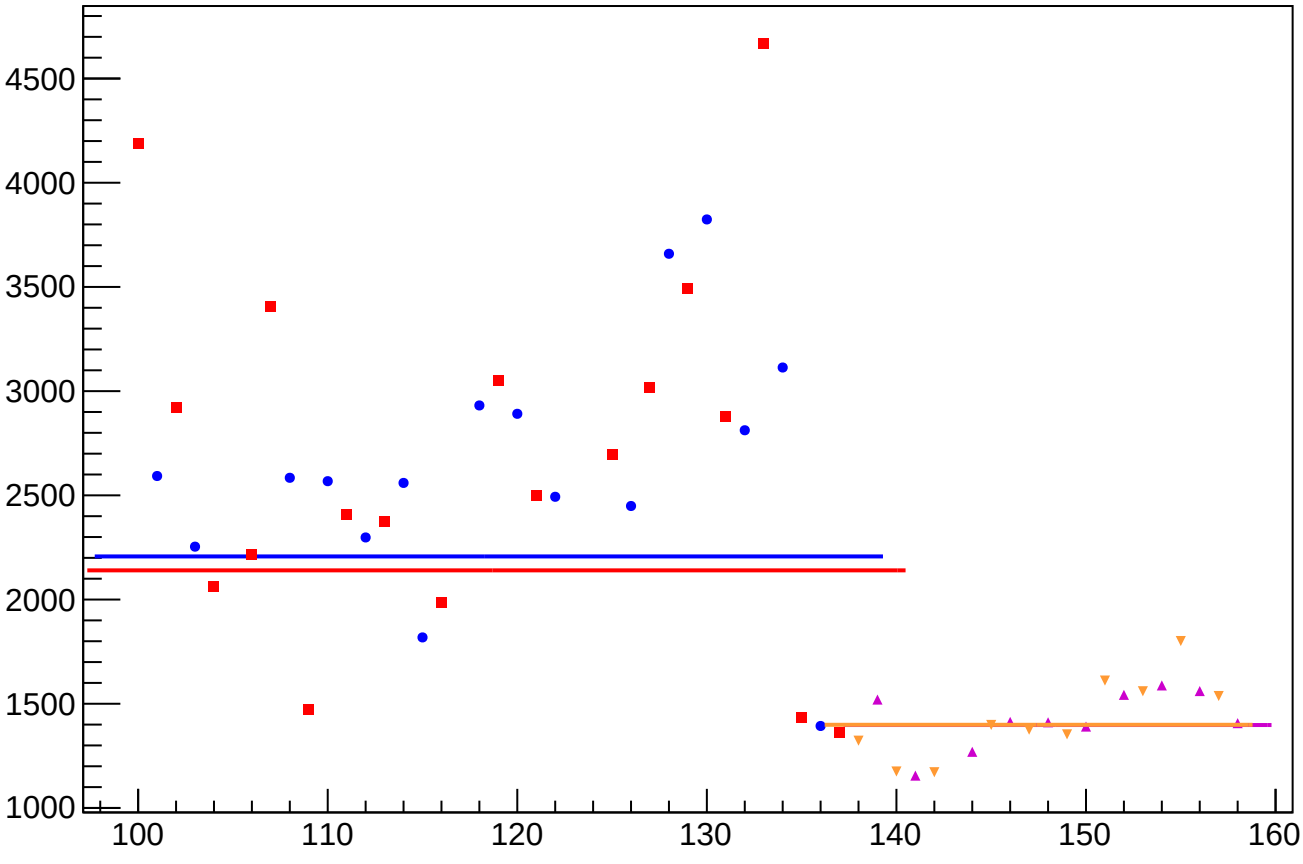
Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: -535.673+/-476.703 χ^2/NDF:7.2/9

+ sign -1616.435+/-435.272 χ^2/NDF: 58.2/25

All: -1160.664+/-300.525 χ^2/NDF: 81.3/53

- sign -745.488+/-415.435 χ^2/NDF: 21.0/27



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1399.031+/-0.357 χ^2/NDF:243053.2/9

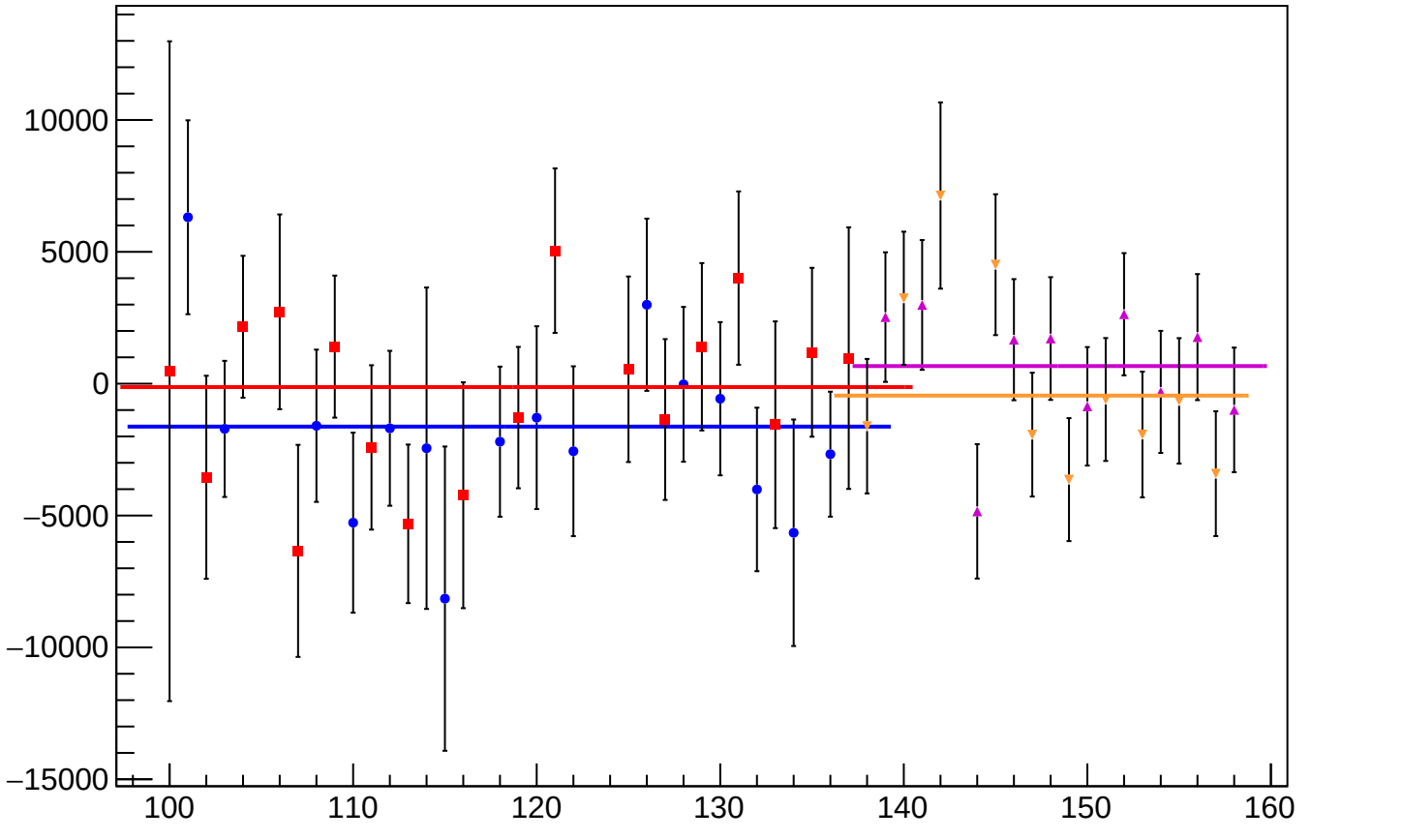
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1397.926+/-0.337 χ^2/NDF:165296.4/9

+ sign 1604.967+/-0.308 χ^2/NDF: 2800657.8/25

All: 1590.034+/-0.213 χ^2/NDF: 5584736.0/53

- sign 1576.432+/-0.294 χ^2/NDF: 2779580.2/27



Right In: -1627.635+/-797.966 χ^2/NDF: 11.3/15

Left Out: -451.727+/-787.644 χ^2/NDF:14.6/9

Right Out: -128.099+/-795.899 χ^2/NDF: 14.6/17

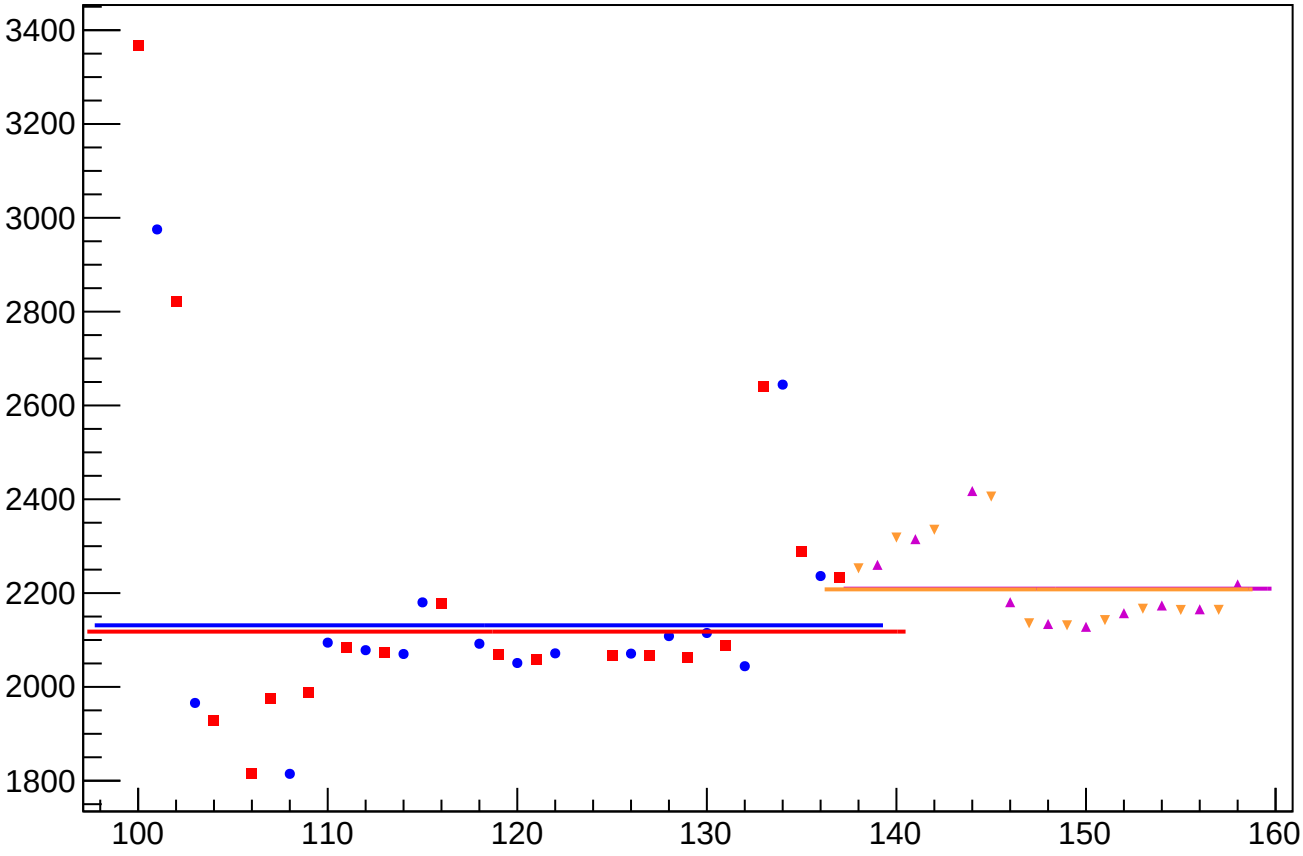
Left In: 667.957+/-748.564 χ^2/NDF:8.6/9

+ sign -1032.026+/-560.562 χ^2/NDF: 27.1/25

All: -350.537+/-390.863 χ^2/NDF: 53.6/53

- sign 294.303+/-545.281 χ^2/NDF: 23.7/27

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2207.932+/-0.557 χ^2/NDF:25615.0/9

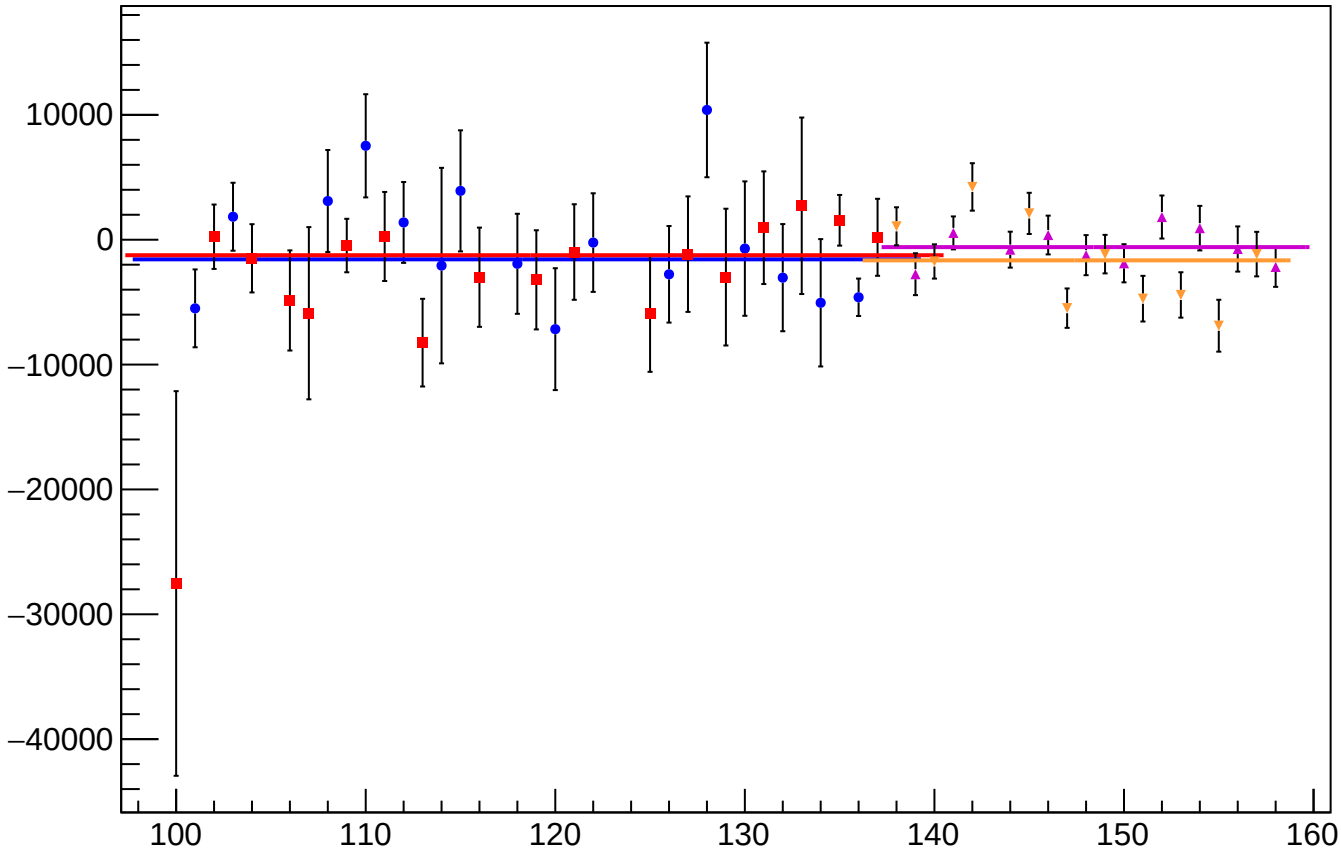
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2209.424+/-0.529 χ^2/NDF:25114.6/9

+ sign 2170.114+/-0.396 χ^2/NDF: 210901.3/25

All: 2168.231+/-0.276 χ^2/NDF: 413726.1/53

- sign 2166.449+/-0.386 χ^2/NDF: 202780.9/27



Right In: -1571.073+/-859.754 χ^2/NDF: 22.6/15

Left Out: -1652.930+/-528.808 χ^2/NDF:35.6/9

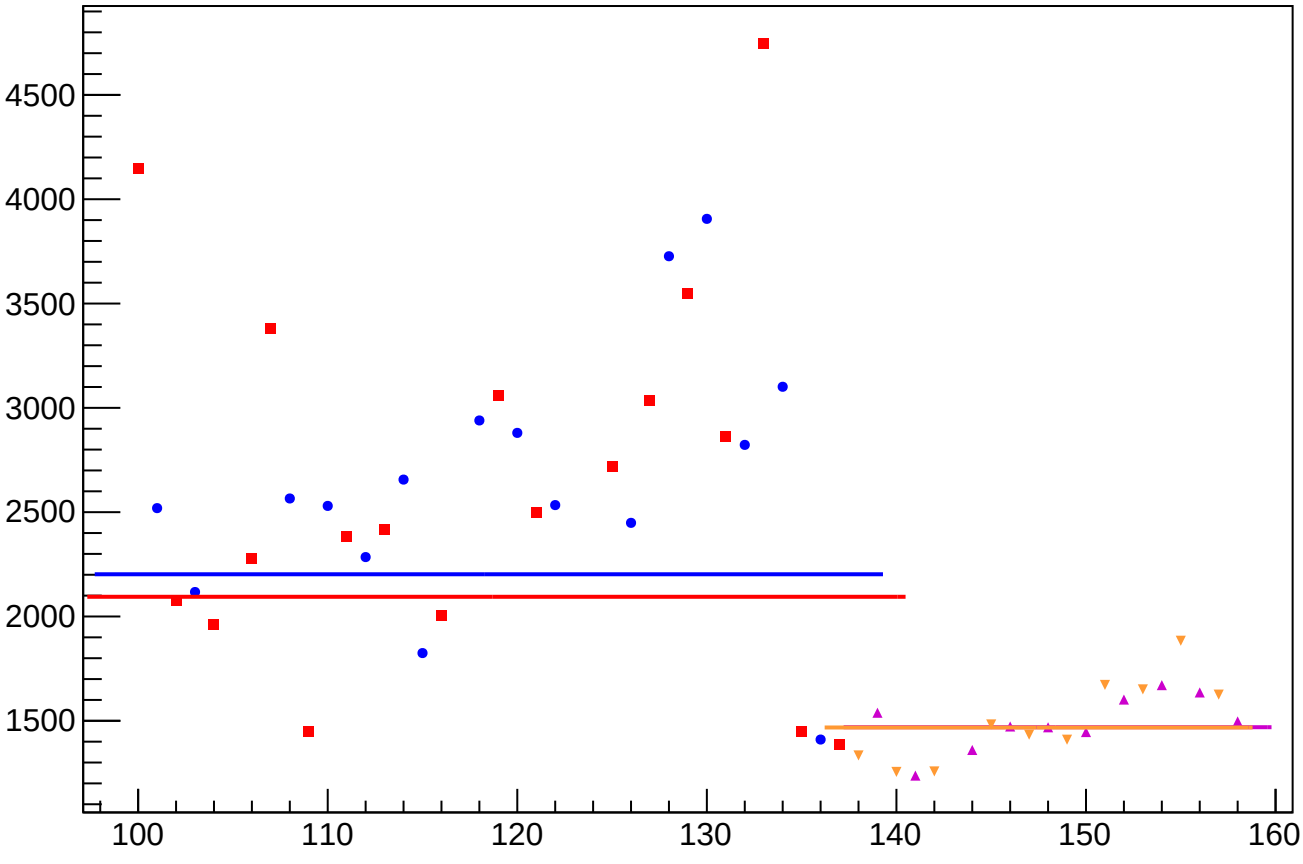
Right Out: -1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: -591.925+/-500.480 χ^2/NDF:7.4/9

+ sign -1630.462+/-450.427 χ^2/NDF: 58.2/25

All: -1176.472+/-309.949 χ^2/NDF: 81.0/53

- sign -768.163+/-427.165 χ^2/NDF: 20.9/27



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1467.942+/-0.374 χ^2/NDF:232891.6/9

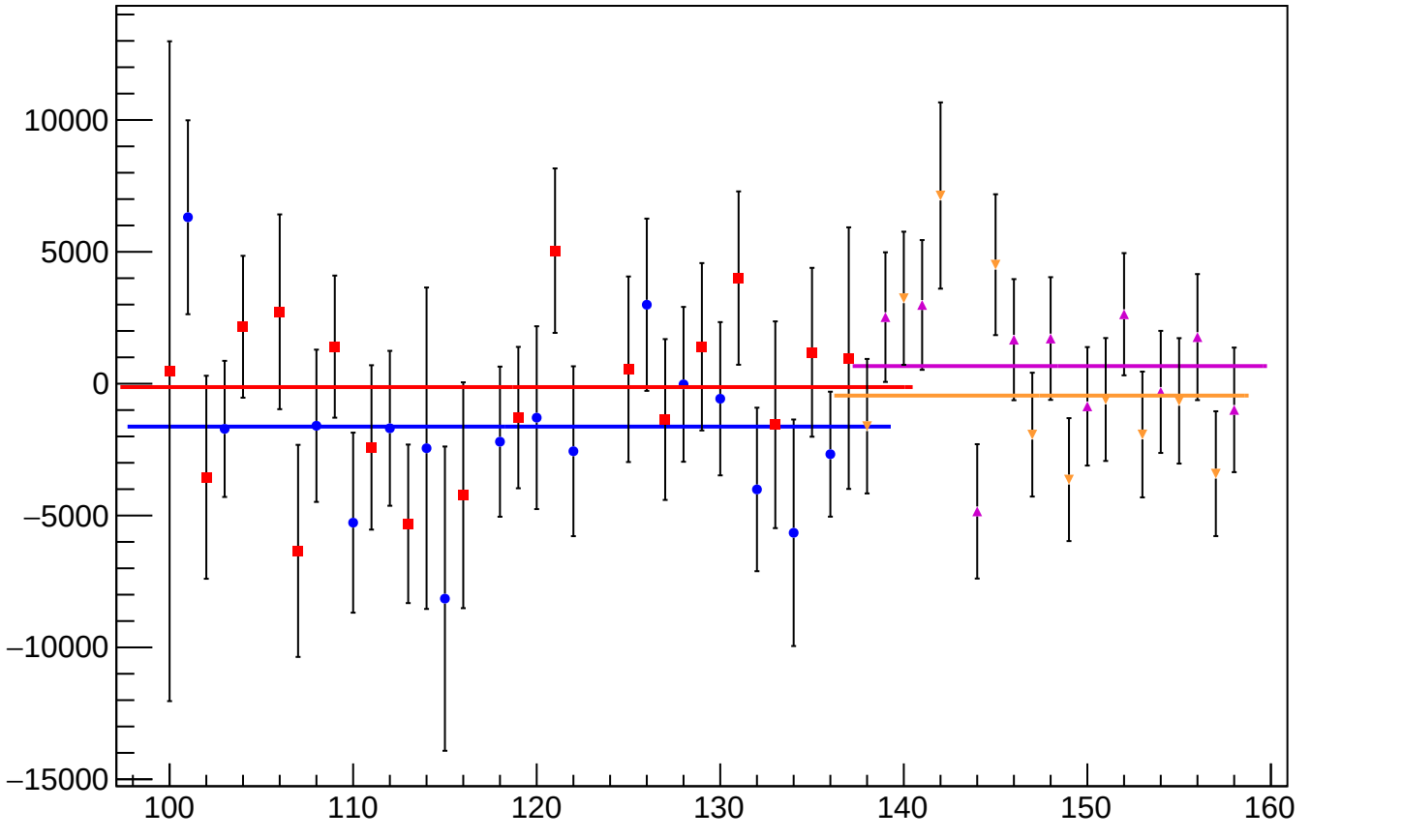
Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1469.307+/-0.354 χ^2/NDF:132070.5/9

+ sign 1669.526+/-0.319 χ^2/NDF: 2514727.3/25

All: 1653.478+/-0.219 χ^2/NDF: 4872545.0/53

- sign 1639.044+/-0.302 χ^2/NDF: 2352995.4/27



Right In: -1627.637+/-797.966 χ^2/NDF: 11.3/15

Left Out: -451.723+/-787.644 χ^2/NDF:14.6/9

Right Out: -128.093+/-795.899 χ^2/NDF: 14.6/17

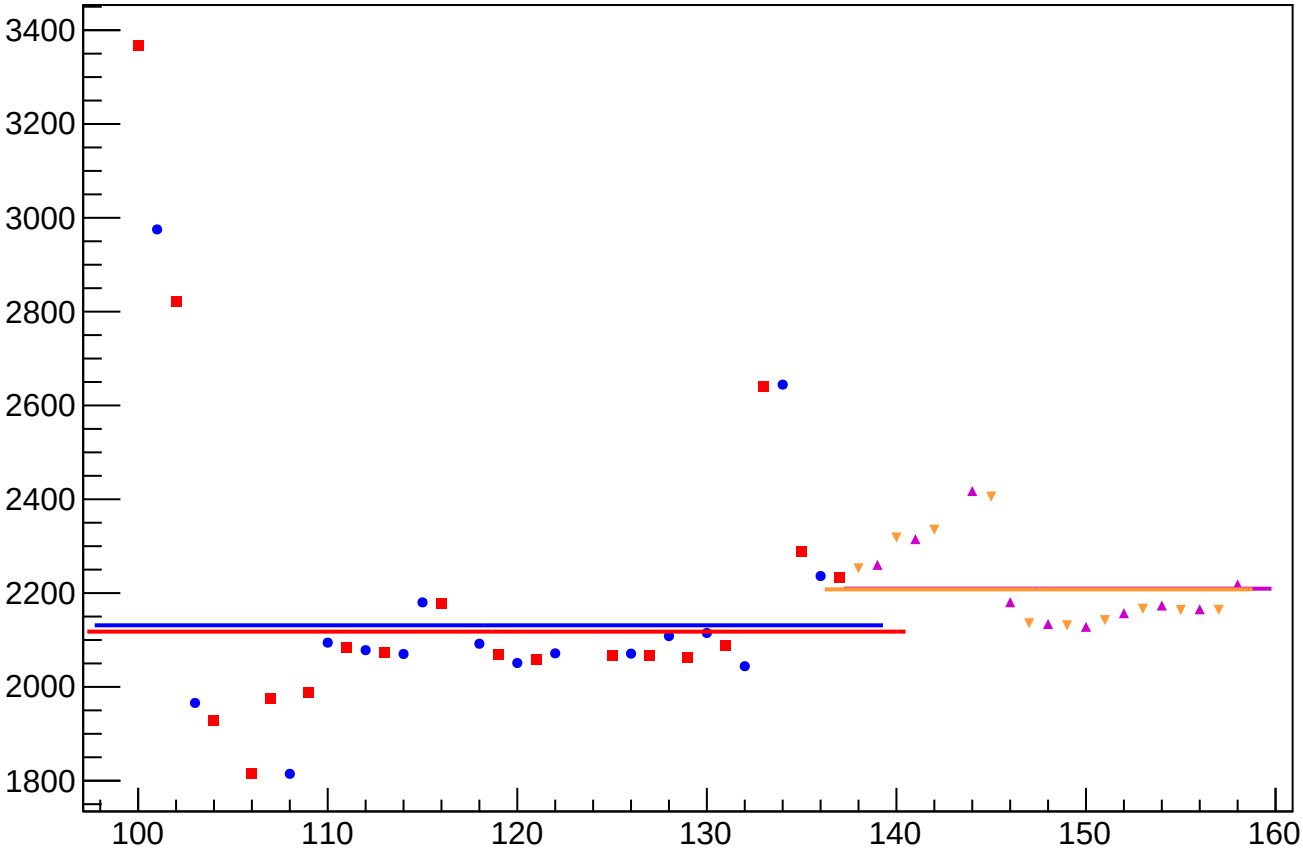
Left In: 667.951+/-748.564 χ^2/NDF:8.6/9

+ sign -1032.025+/-560.562 χ^2/NDF: 27.1/25

All: -350.537+/-390.863 χ^2/NDF: 53.6/53

- sign 294.303+/-545.281 χ^2/NDF: 23.7/27

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2207.932+/-0.557 χ^2/NDF:25615.1/9

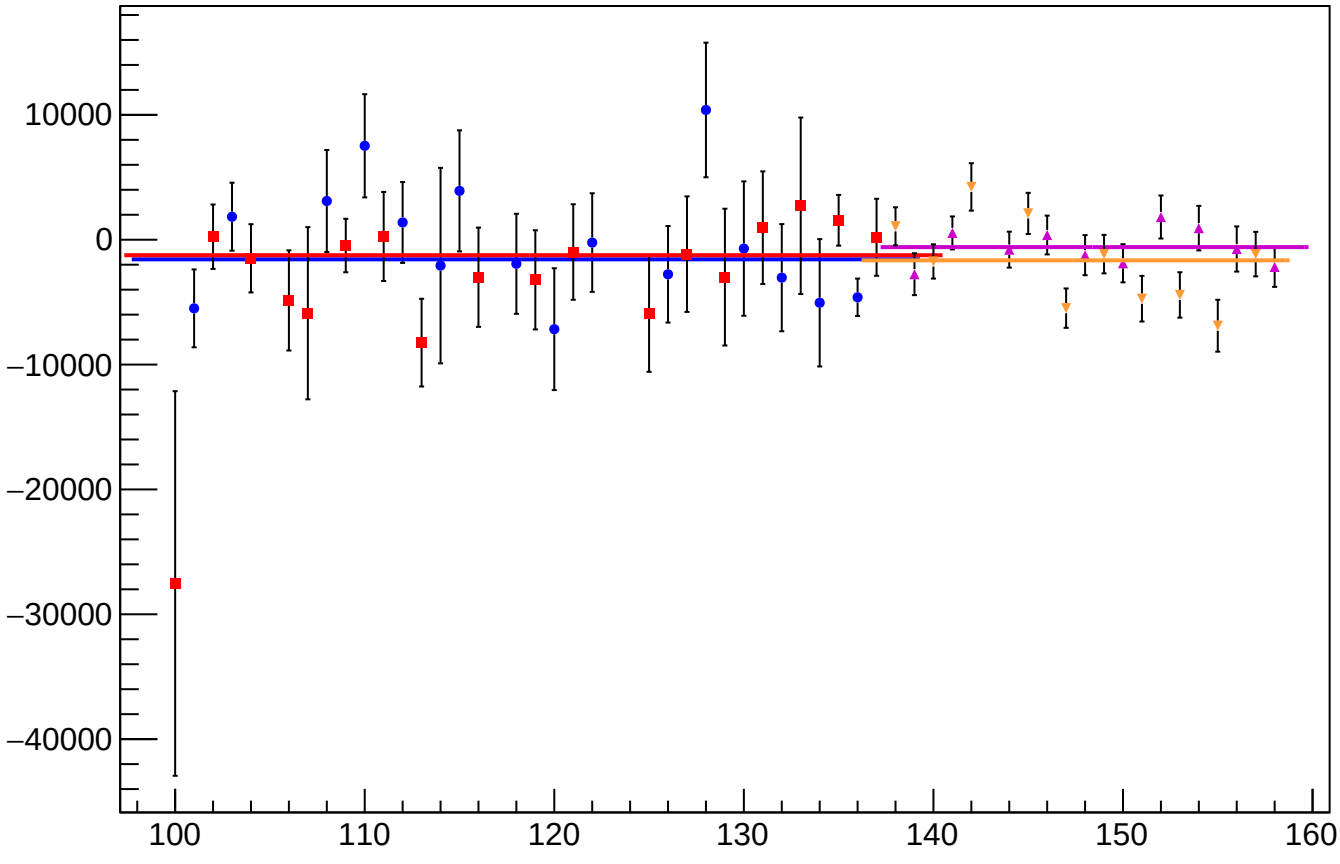
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2209.424+/-0.529 χ^2/NDF:25114.7/9

+ sign 2170.114+/-0.396 χ^2/NDF: 210901.3/25

All: 2168.231+/-0.276 χ^2/NDF: 413726.2/53

- sign 2166.449+/-0.386 χ^2/NDF: 202780.9/27



Right In: -1571.058+/-859.757 χ^2/NDF: 22.6/15

Left Out: -1652.944+/-528.809 χ^2/NDF:35.6/9

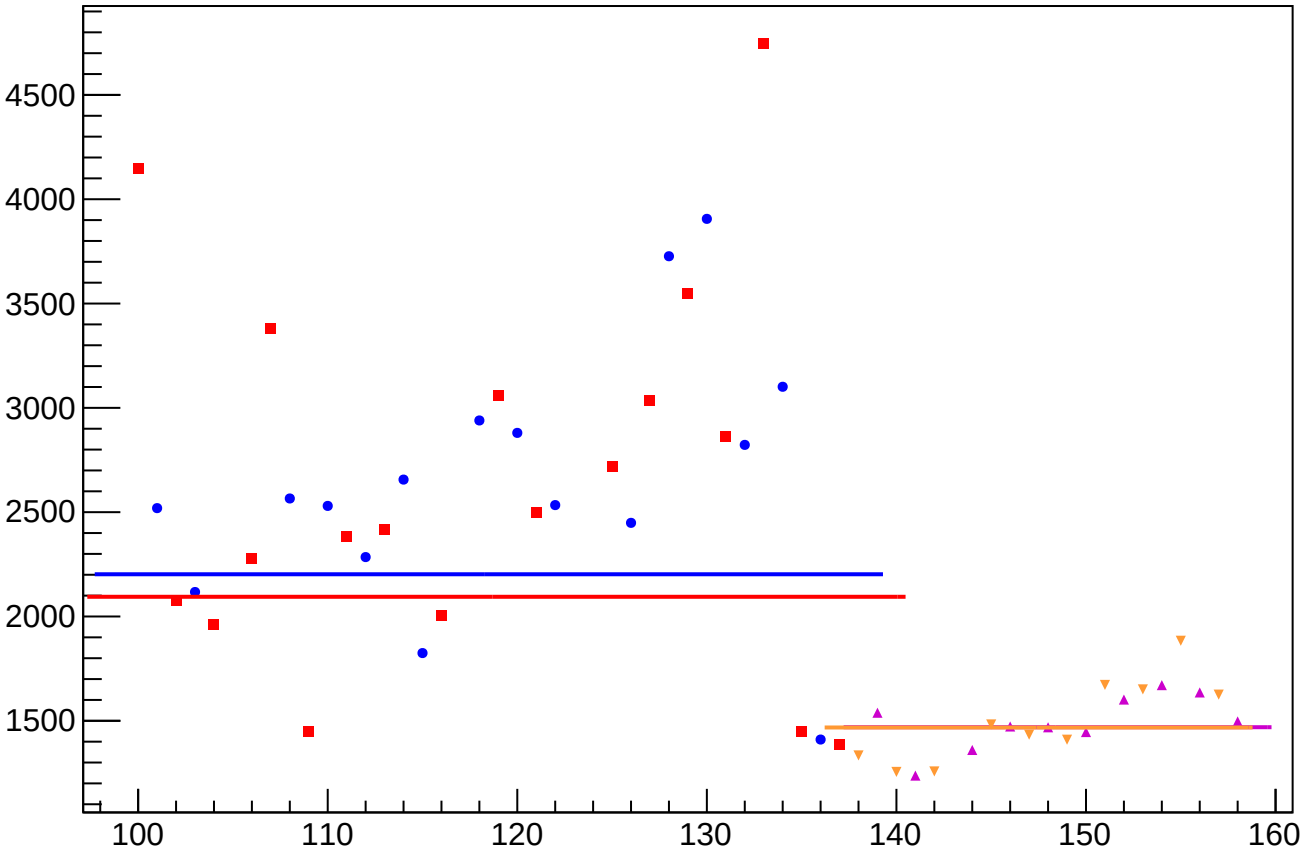
Right Out: -1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: -591.923+/-500.480 χ^2/NDF:7.4/9

+ sign -1630.468+/-450.428 χ^2/NDF: 58.2/25

All: -1176.476+/-309.949 χ^2/NDF: 81.0/53

- sign -768.166+/-427.166 χ^2/NDF: 20.9/27



Right In: 2202.391+/-0.608 χ^2/NDF: 1222905.3/15

Left Out: 1467.947+/-0.374 χ^2/NDF:232880.0/9

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

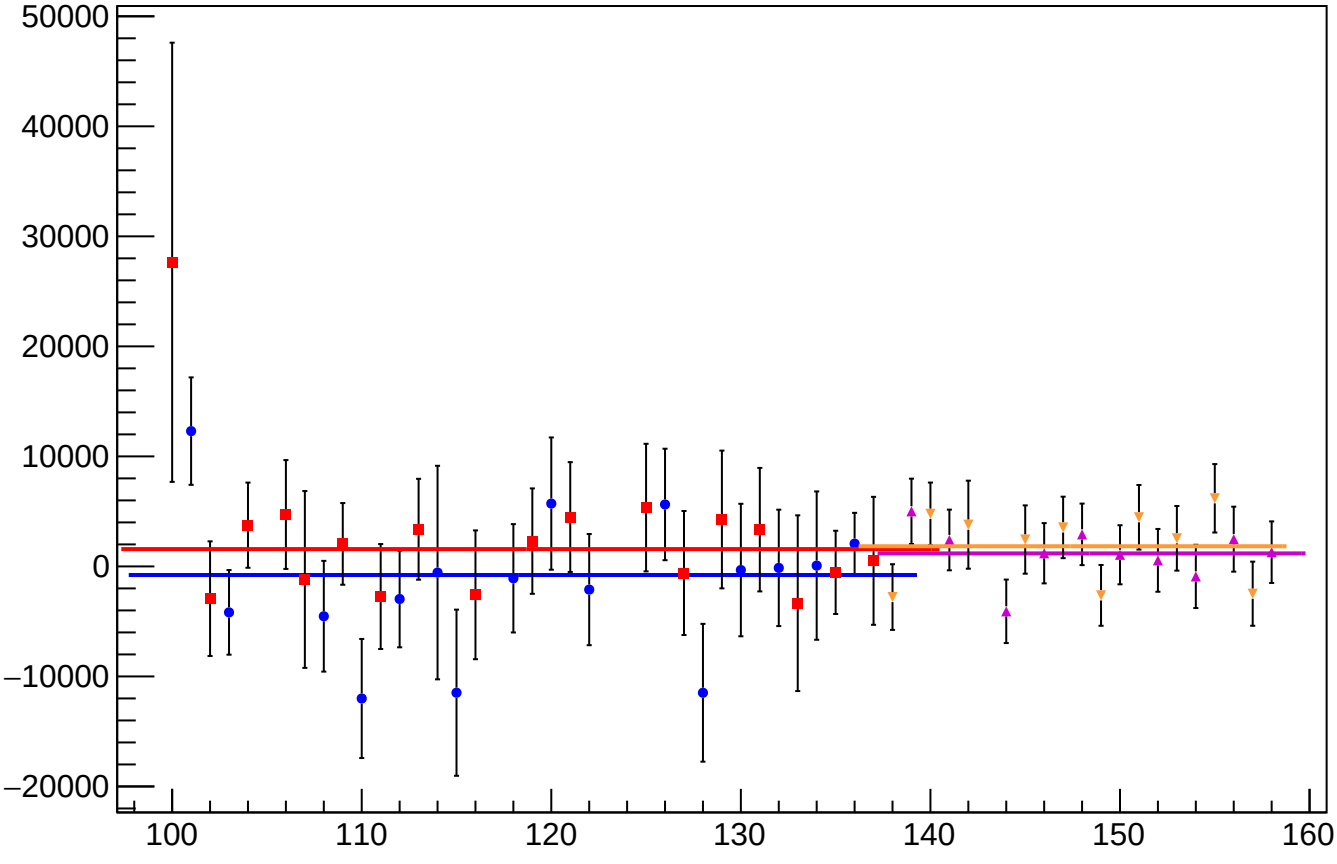
Left In: 1469.308+/-0.354 χ^2/NDF:132071.0/9

+ sign 1669.532+/-0.319 χ^2/NDF: 2514672.3/25

All: 1653.483+/-0.219 χ^2/NDF: 4872467.4/53

- sign 1639.048+/-0.302 χ^2/NDF: 2352972.1/27

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 1832.045+/-947.132 χ^2/NDF:11.8/9

Right Out: 1574.673+/-1218.961 χ^2/NDF: 6.7/17

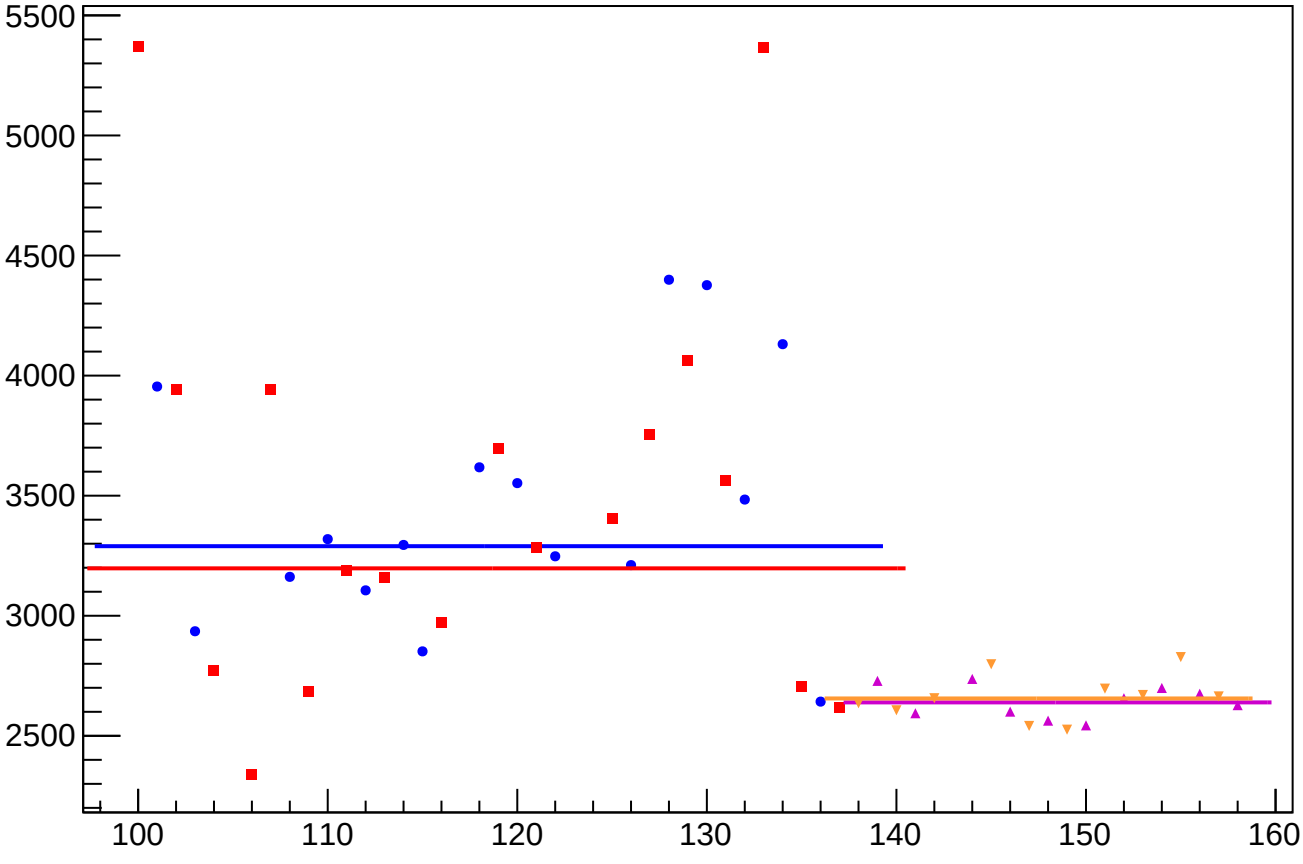
Left In: 1182.976+/-893.976 χ^2/NDF:6.3/9

+ sign 870.708+/-753.067 χ^2/NDF: 36.5/25

All: 1105.144+/-520.749 χ^2/NDF: 49.8/53

- sign 1319.971+/-720.886 χ^2/NDF: 13.1/27

asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2655.620+/-0.670 χ^2/NDF:19268.9/9

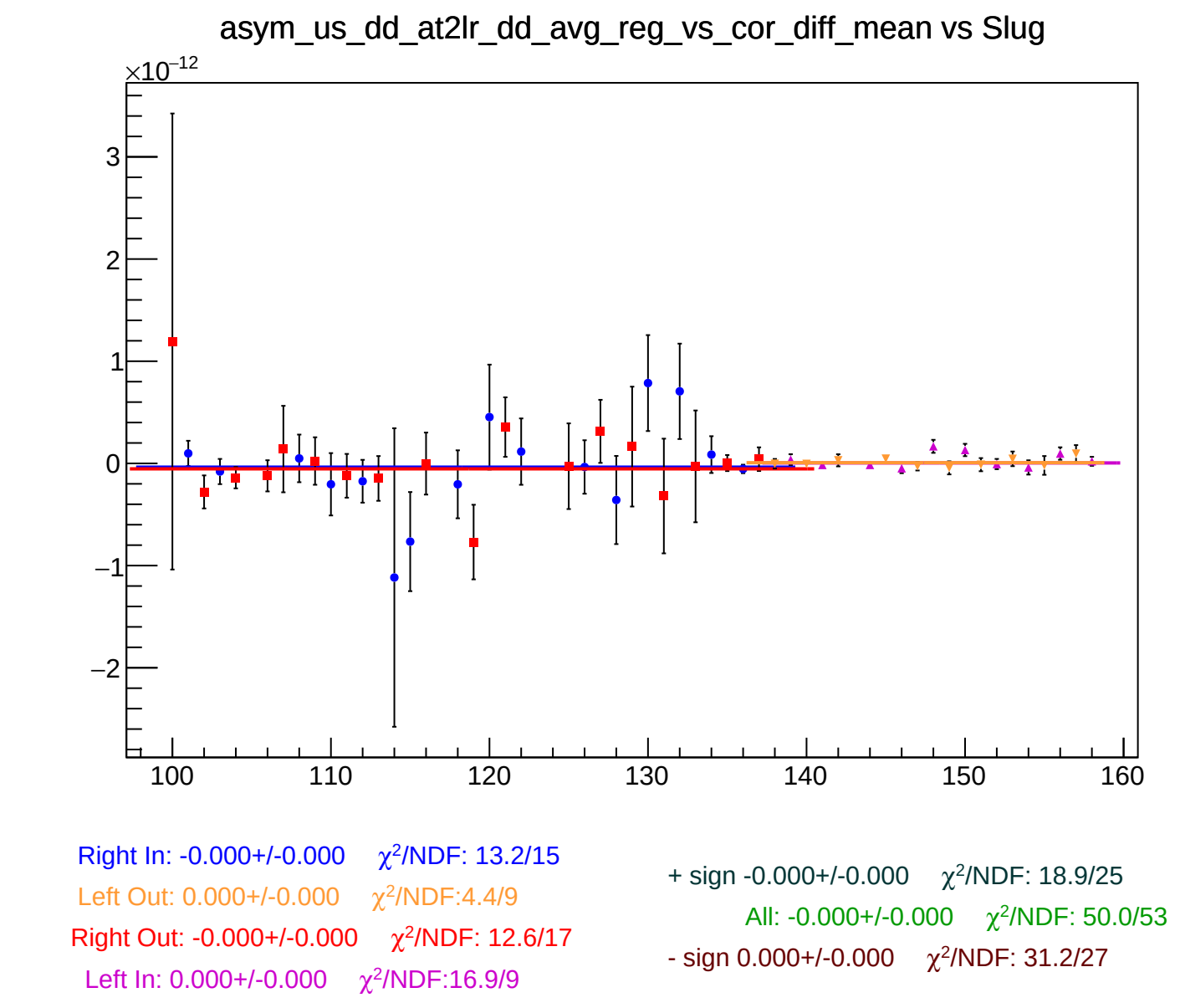
Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

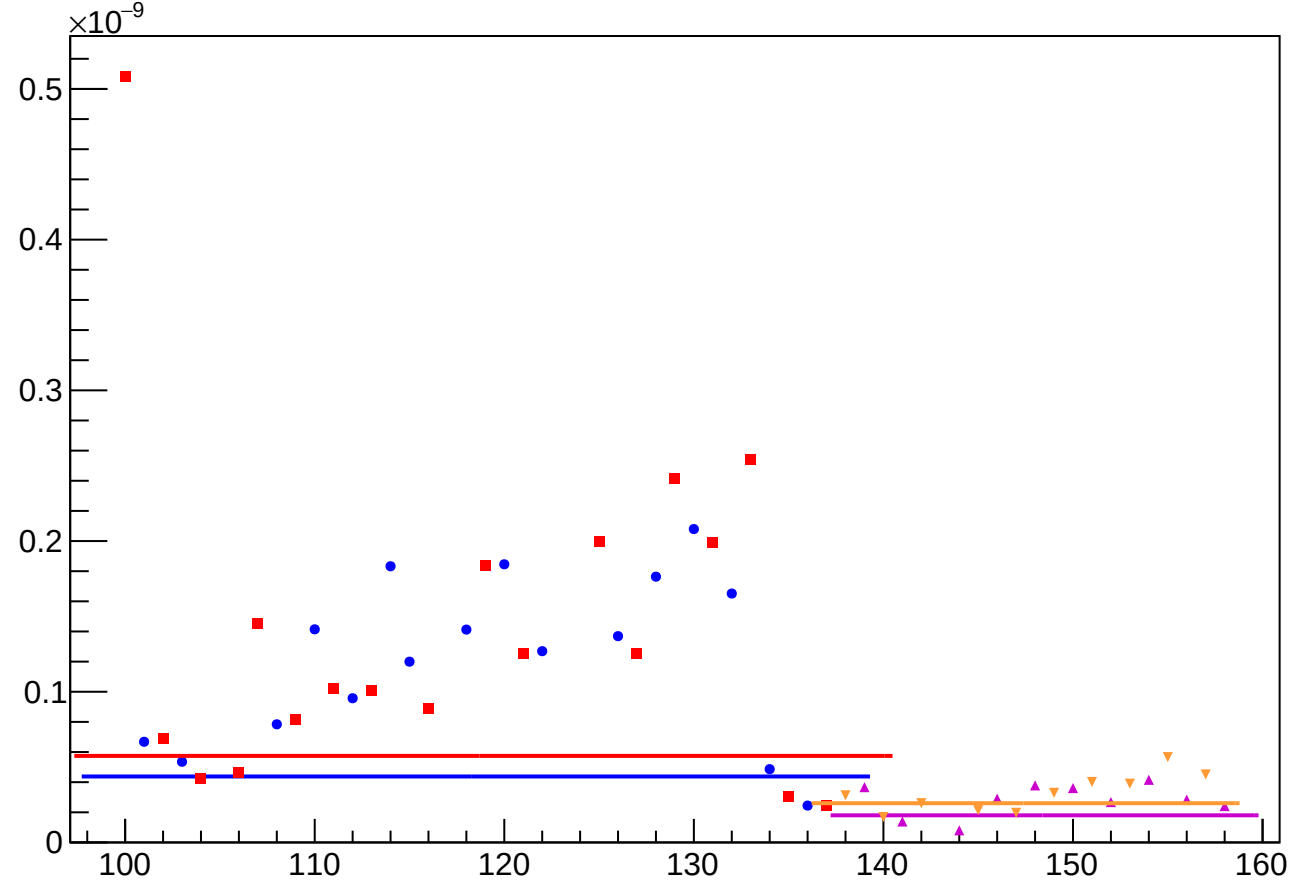
Left In: 2639.193+/-0.632 χ^2/NDF:10347.0/9

+ sign 2888.839+/-0.532 χ^2/NDF: 696555.5/25

All: 2860.442+/-0.368 χ^2/NDF: 1484991.6/53

- sign 2834.419+/-0.510 χ^2/NDF: 782986.1/27


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 13.2/15
Left Out: 0.000+/-0.000 χ²/NDF:4.4/9
Right Out: -0.000+/-0.000 χ²/NDF: 12.6/17
Left In: 0.000+/-0.000 χ²/NDF:16.9/9
+ sign -0.000+/-0.000 χ²/NDF: 18.9/25
All: -0.000+/-0.000 χ²/NDF: 50.0/53
- sign 0.000+/-0.000 χ²/NDF: 31.2/27



Right In: 0.000+/-0.000 χ^2/NDF: 2227887.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:784887.8/9

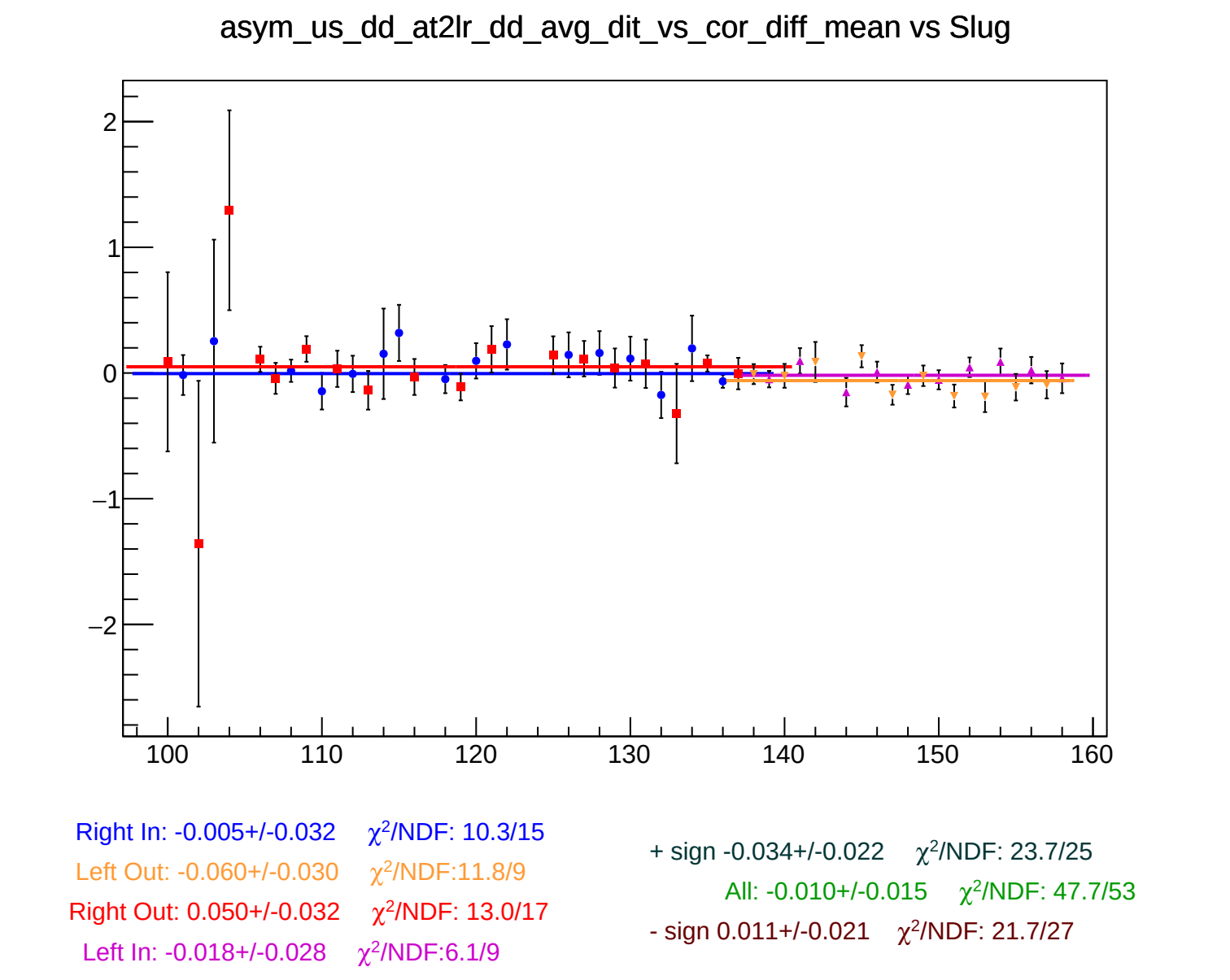
Right Out: 0.000+/-0.000 χ^2/NDF: 2086696.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1765788.5/9

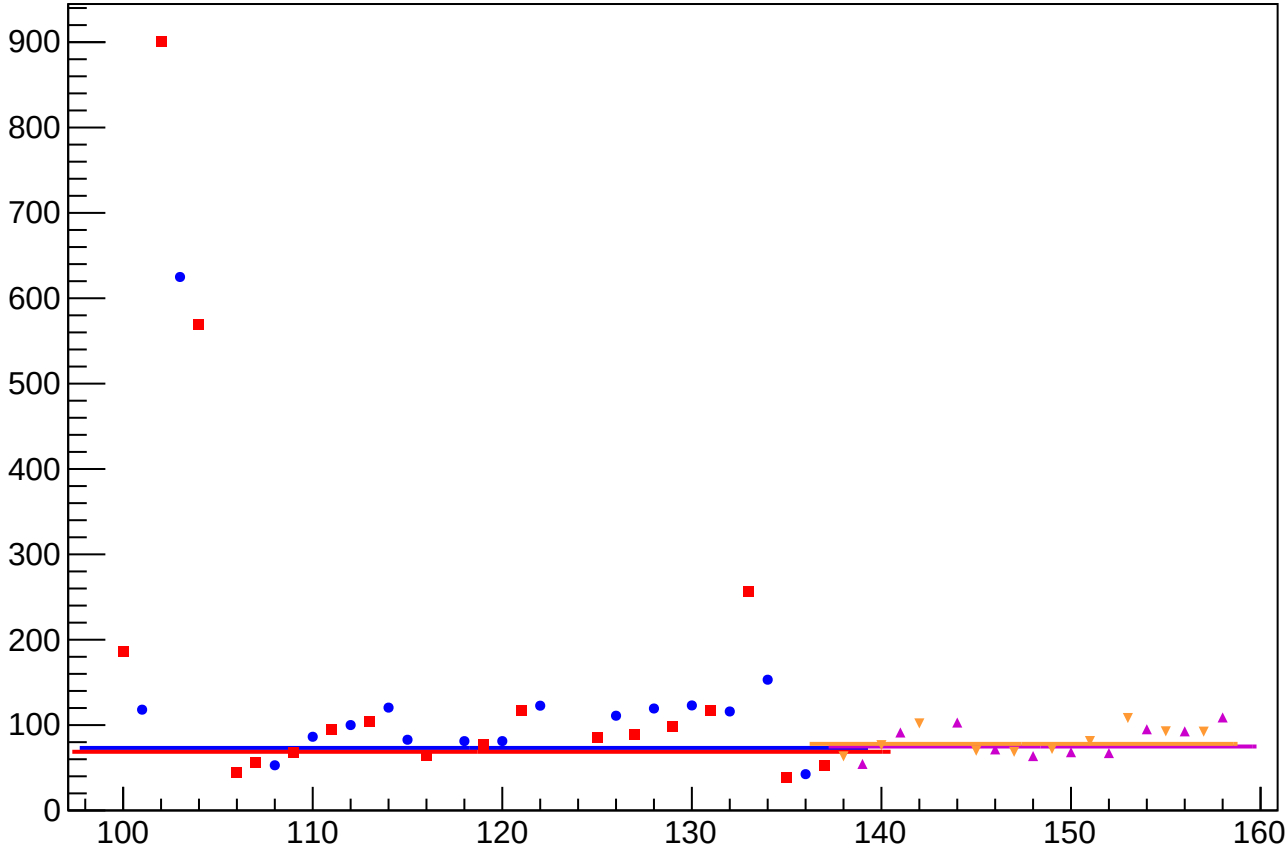
+ sign 0.000+/-0.000 χ^2/NDF: 3452962.8/25

All: 0.000+/-0.000 χ^2/NDF: 9250529.1/53

- sign 0.000+/-0.000 χ^2/NDF: 5388952.0/27


asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: -0.005+/-0.032 χ²/NDF: 10.3/15
Left Out: -0.060+/-0.030 χ²/NDF:11.8/9
Right Out: 0.050+/-0.032 χ²/NDF: 13.0/17
Left In: -0.018+/-0.028 χ²/NDF:6.1/9
+ sign -0.034+/-0.022 χ²/NDF: 23.7/25
All: -0.010+/-0.015 χ²/NDF: 47.7/53
- sign 0.011+/-0.021 χ²/NDF: 21.7/27

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 77.996+/-0.021 χ^2/NDF:367586.6/9

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

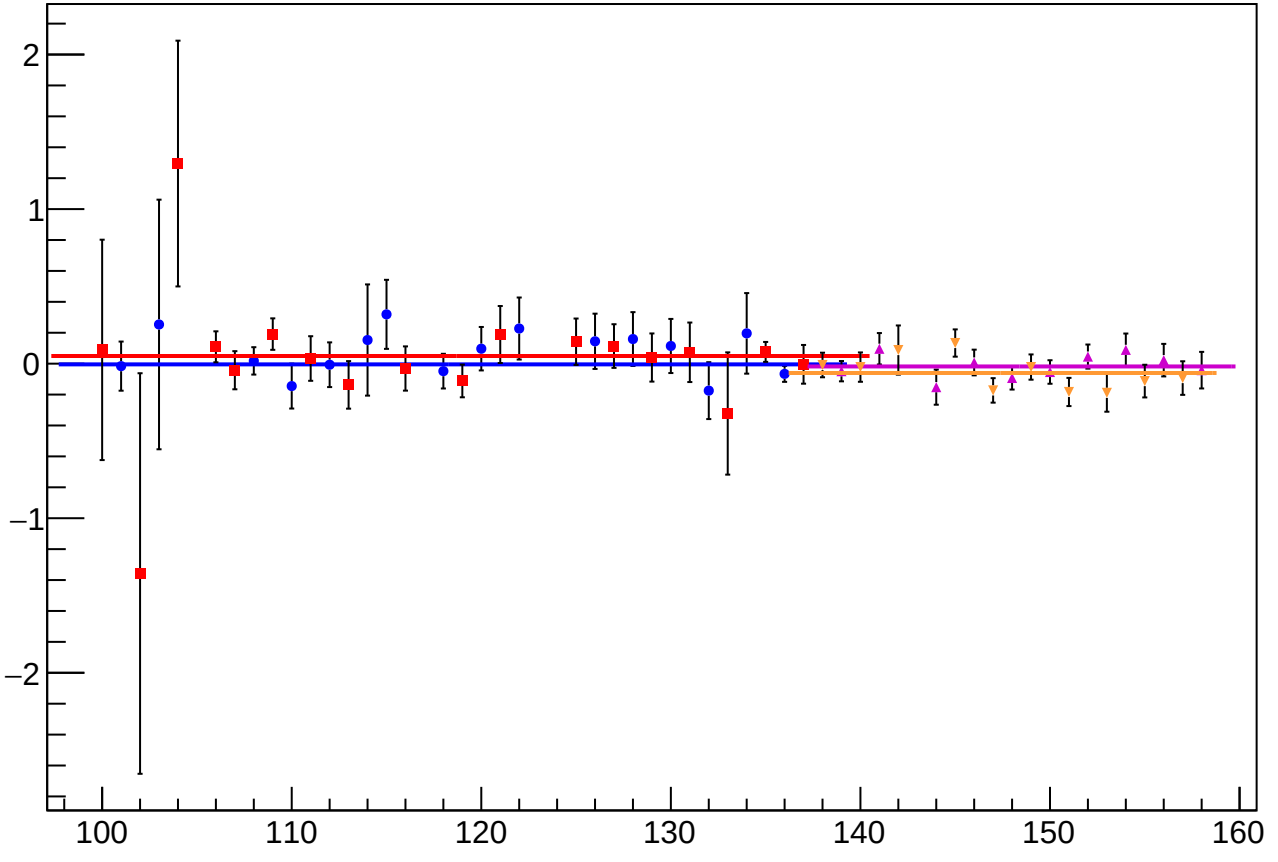
Left In: 74.908+/-0.019 χ^2/NDF:745603.3/9

\+ sign 75.782+/-0.016 χ^2/NDF: 3245550.7/25

All: 73.914+/-0.011 χ^2/NDF: 7393706.1/53

\- sign 72.243+/-0.015 χ^2/NDF: 4120764.0/27

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.060+/-0.030 χ^2/NDF:11.8/9

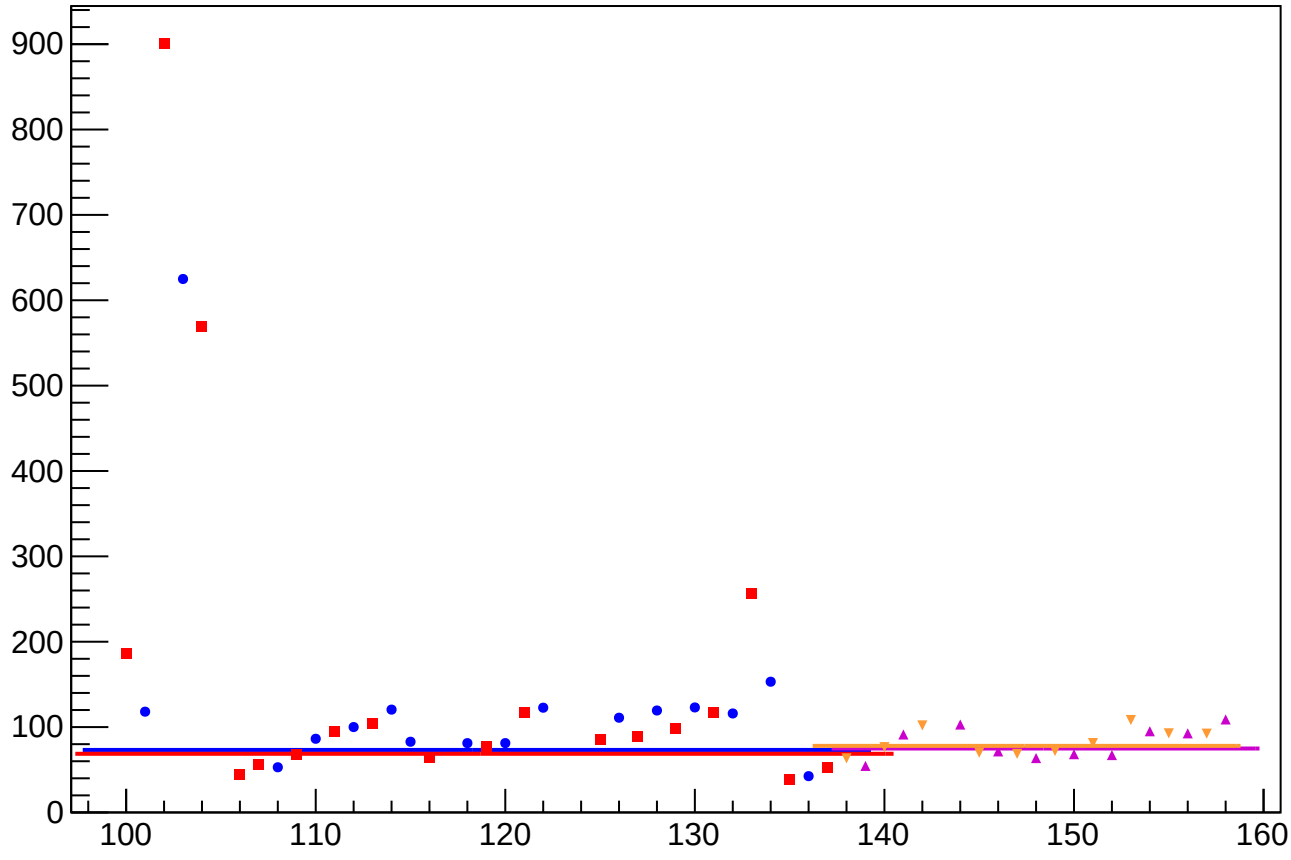
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.018+/-0.028 χ^2/NDF:6.1/9

+ sign -0.034+/-0.022 χ^2/NDF: 23.7/25

All: -0.010+/-0.015 χ^2/NDF: 47.7/53

- sign 0.011+/-0.021 χ^2/NDF: 21.7/27



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 77.996+/-0.021 χ^2/NDF:367586.6/9

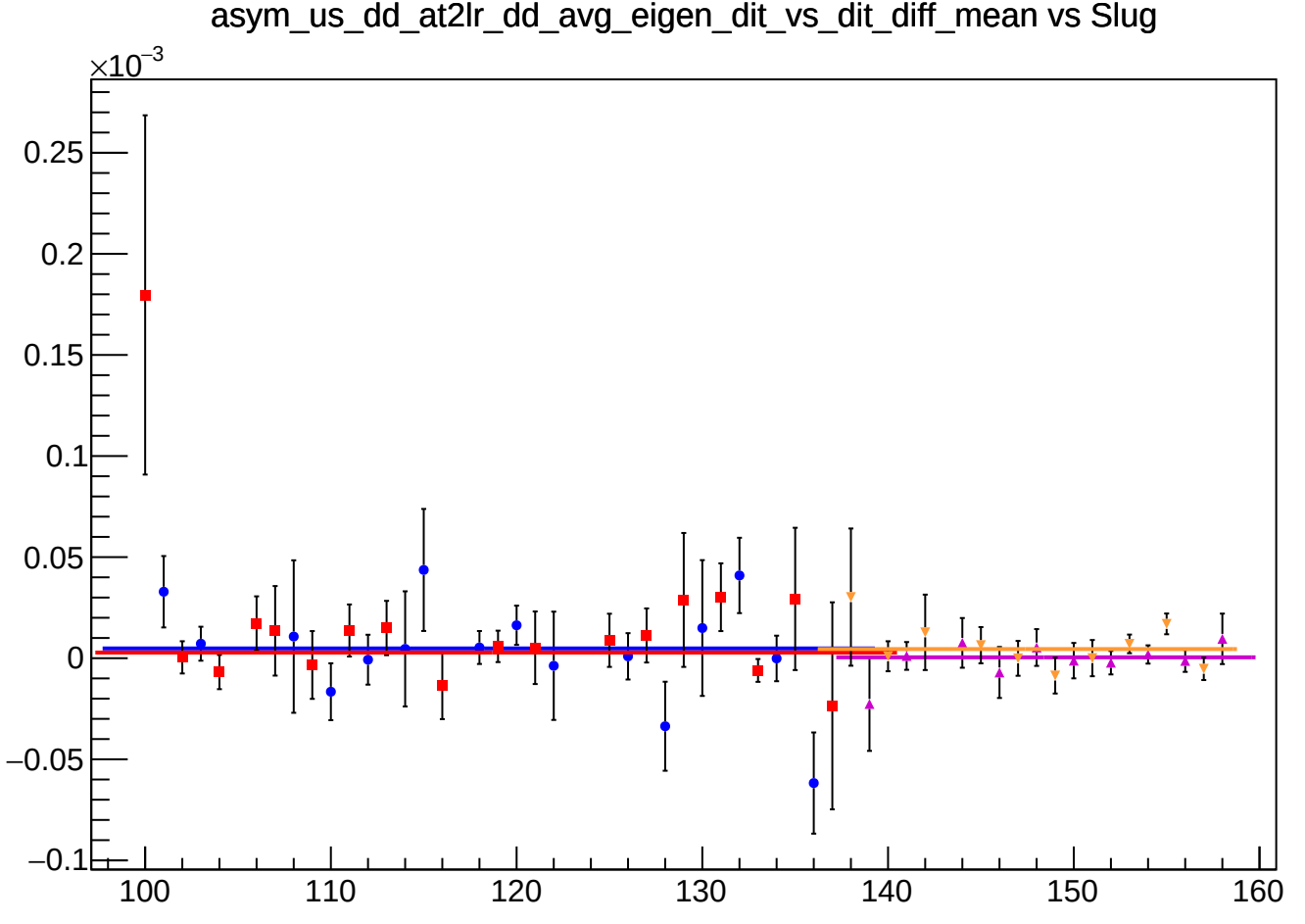
Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 74.908+/-0.019 χ^2/NDF:745603.3/9

+ sign 75.782+/-0.016 χ^2/NDF: 3245550.7/25

All: 73.914+/-0.011 χ^2/NDF: 7393706.1/53

- sign 72.243+/-0.015 χ^2/NDF: 4120764.0/27



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.0/9

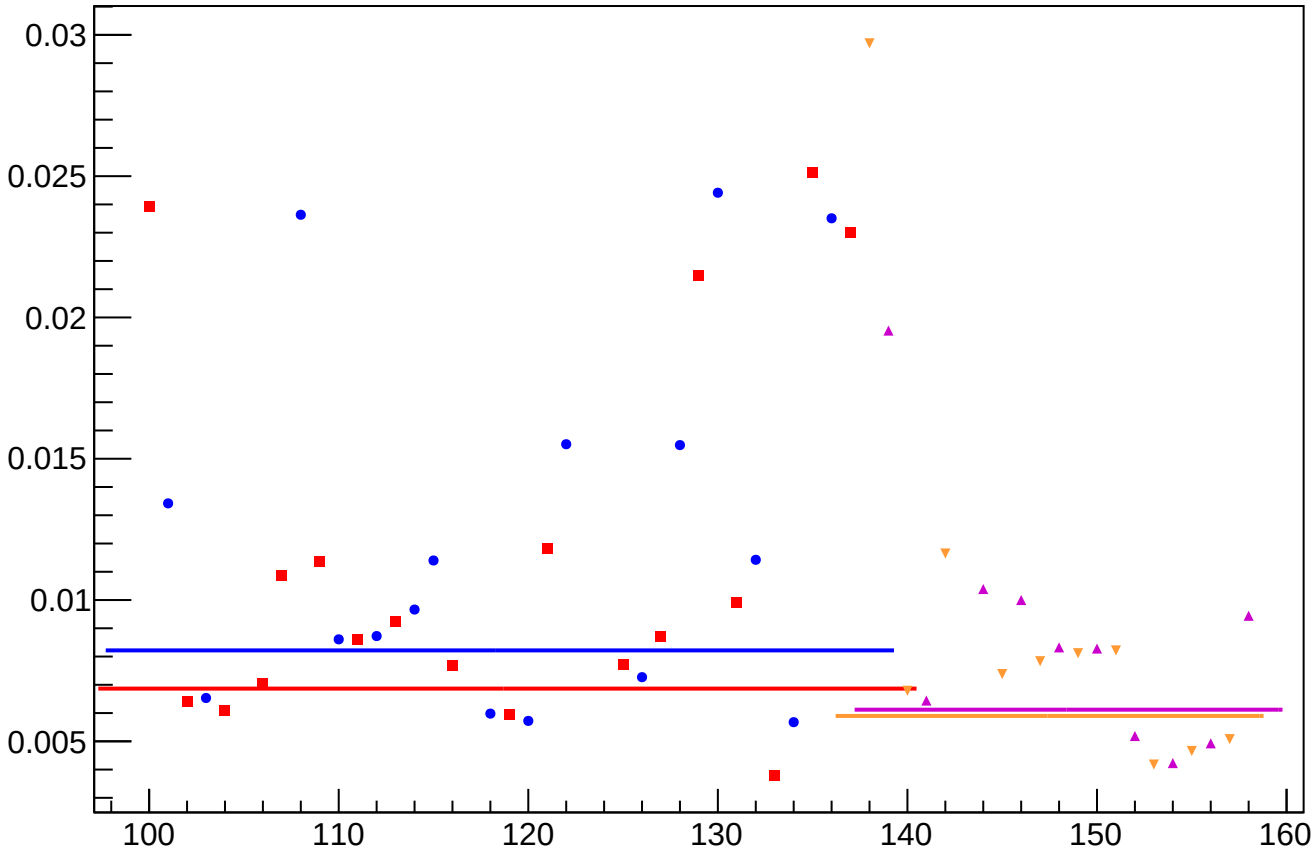
Right Out: 0.000+/-0.000 χ^2/NDF: 16.8/17

Left In: 0.000+/-0.000 χ^2/NDF:2.9/9

+ sign 0.000+/-0.000 χ^2/NDF: 35.6/25

All: 0.000+/-0.000 χ^2/NDF: 57.2/53

- sign 0.000+/-0.000 χ^2/NDF: 20.1/27



Right In: 0.008+/-0.000 χ^2/NDF: 2656170.2/15

Left Out: 0.006+/-0.000 χ^2/NDF:2056759.6/9

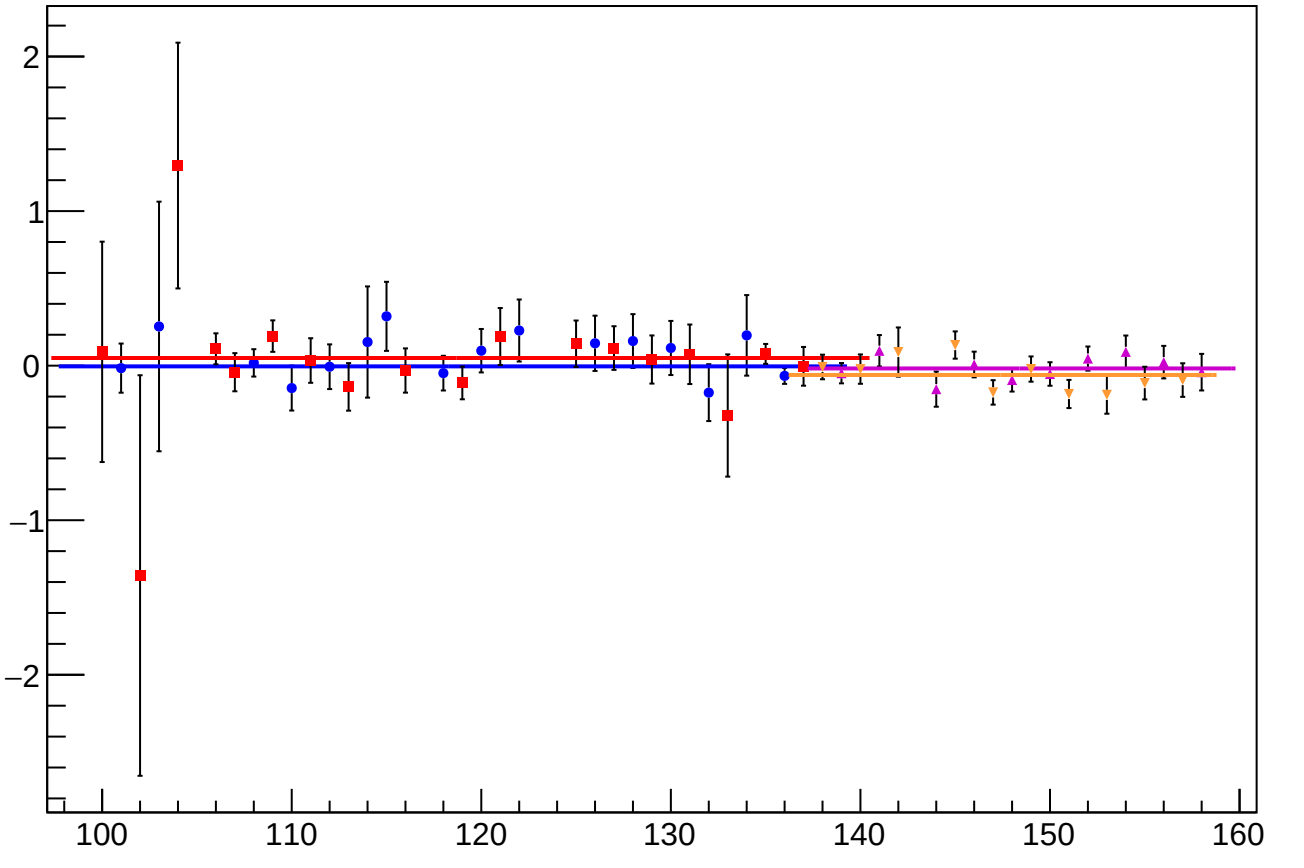
Right Out: 0.007+/-0.000 χ^2/NDF: 2426444.0/17

Left In: 0.006+/-0.000 χ^2/NDF:1981170.0/9

+ sign 0.007+/-0.000 χ^2/NDF: 5330026.8/25

All: 0.007+/-0.000 χ^2/NDF: 9828054.9/53

- sign 0.006+/-0.000 χ^2/NDF: 4489525.2/27



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.060+/-0.030 χ^2/NDF:11.8/9

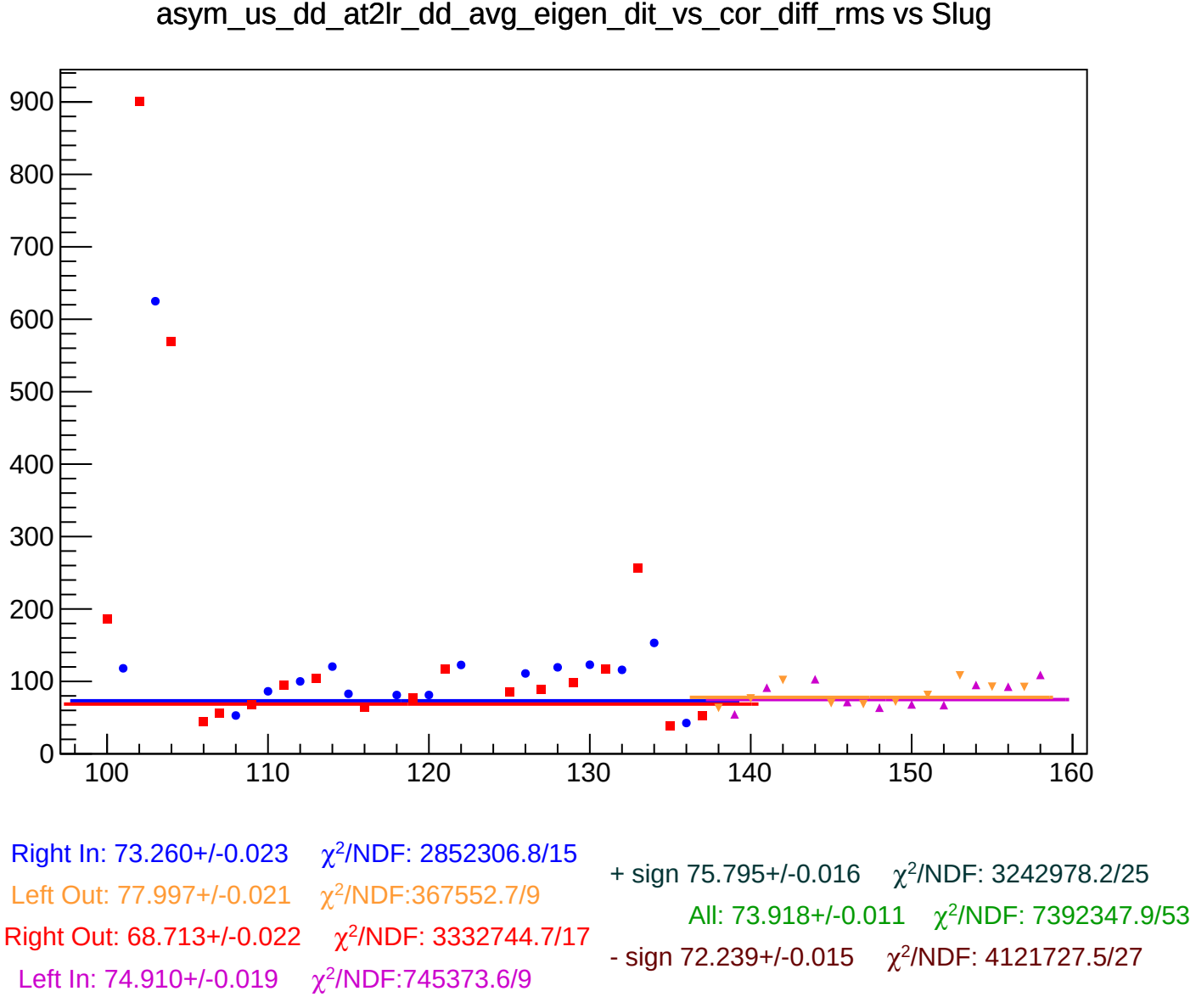
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

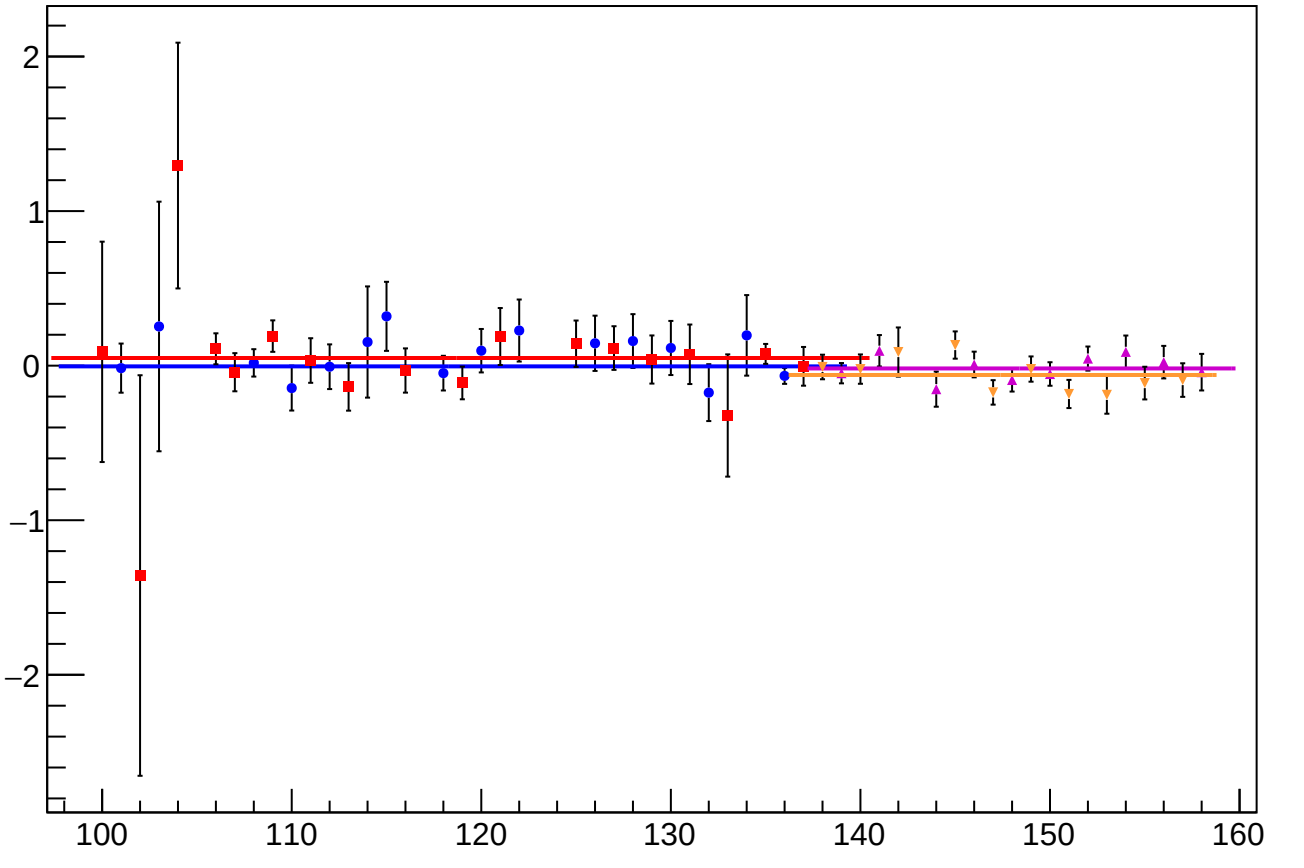
Left In: -0.018+/-0.028 χ^2/NDF:6.1/9

+ sign -0.034+/-0.022 χ^2/NDF: 23.7/25

All: -0.010+/-0.015 χ^2/NDF: 47.7/53

- sign 0.011+/-0.021 χ^2/NDF: 21.7/27


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug
900
800
700
600
500
400
300
200
100
0
100
110
120
130
140
150
160
Right In: 73.260+/-0.023 χ²/NDF: 2852306.8/15
Left Out: 77.997+/-0.021 χ²/NDF:367552.7/9
Right Out: 68.713+/-0.022 χ²/NDF: 3332744.7/17
Left In: 74.910+/-0.019 χ²/NDF:745373.6/9
+ sign 75.795+/-0.016 χ²/NDF: 3242978.2/25
All: 73.918+/-0.011 χ²/NDF: 7392347.9/53
- sign 72.239+/-0.015 χ²/NDF: 4121727.5/27



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.060+/-0.030 χ^2/NDF:11.8/9

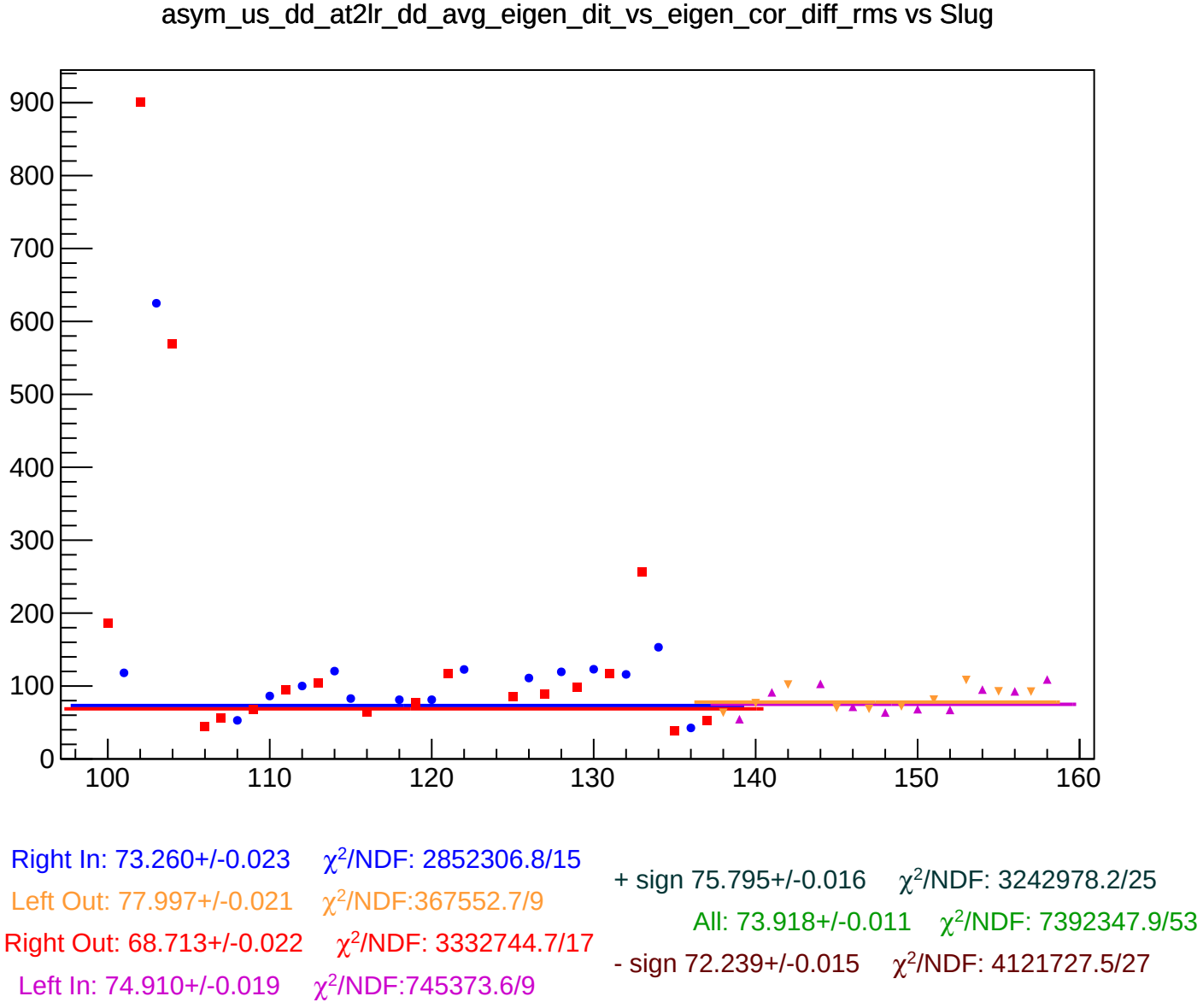
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

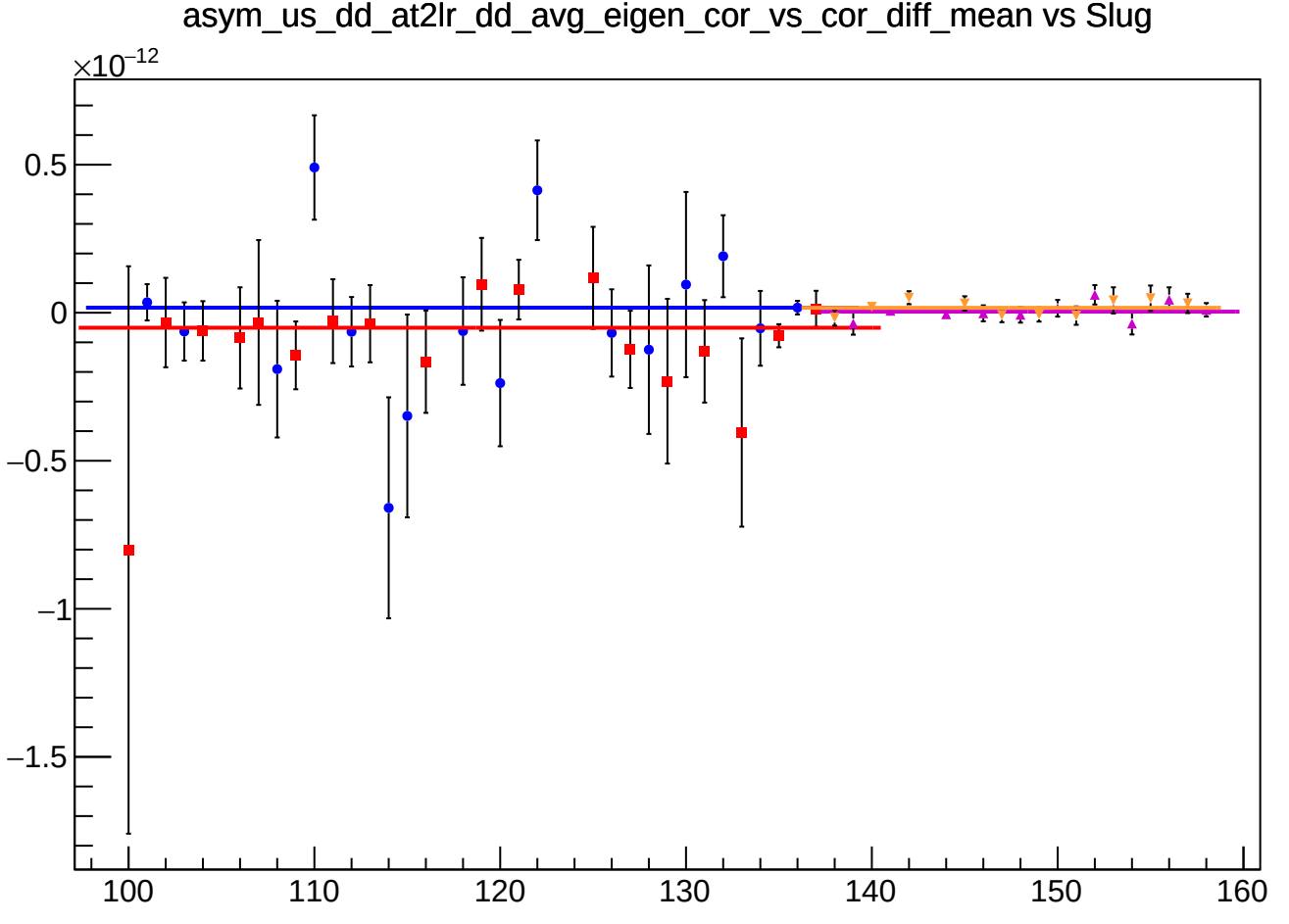
Left In: -0.018+/-0.028 χ^2/NDF:6.1/9

+ sign -0.034+/-0.022 χ^2/NDF: 23.7/25

All: -0.010+/-0.015 χ^2/NDF: 47.7/53

- sign 0.011+/-0.021 χ^2/NDF: 21.7/27


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
900
800
700
600
500
400
300
200
100
0
100
110
120
130
140
150
160
Right In: 73.260+/-0.023 χ²/NDF: 2852306.8/15
Left Out: 77.997+/-0.021 χ²/NDF:367552.7/9
Right Out: 68.713+/-0.022 χ²/NDF: 3332744.7/17
Left In: 74.910+/-0.019 χ²/NDF:745373.6/9
+ sign 75.795+/-0.016 χ²/NDF: 3242978.2/25
All: 73.918+/-0.011 χ²/NDF: 7392347.9/53
- sign 72.239+/-0.015 χ²/NDF: 4121727.5/27



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.0/9

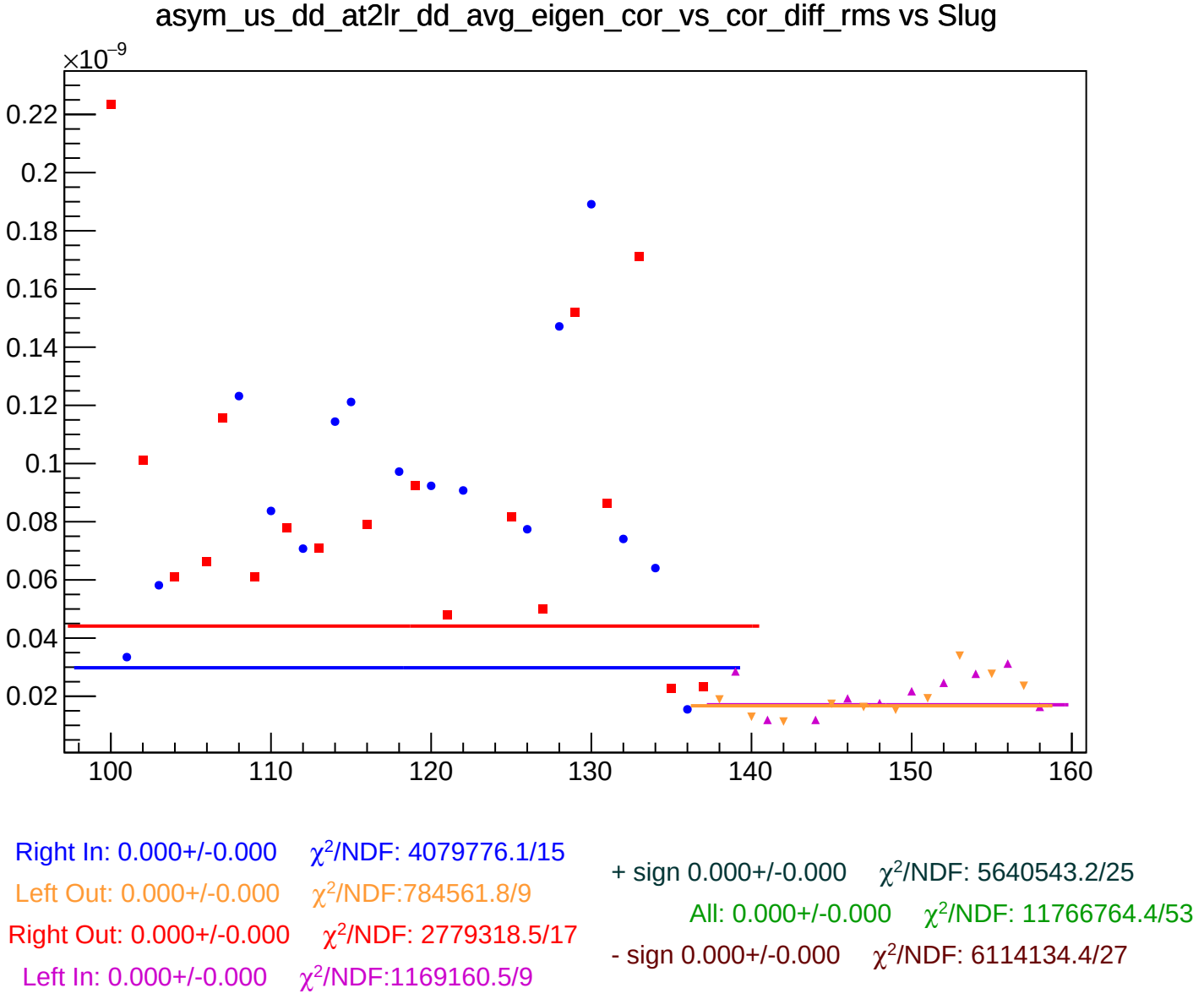
Right Out: -0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: 0.000+/-0.000 χ^2/NDF:7.1/9

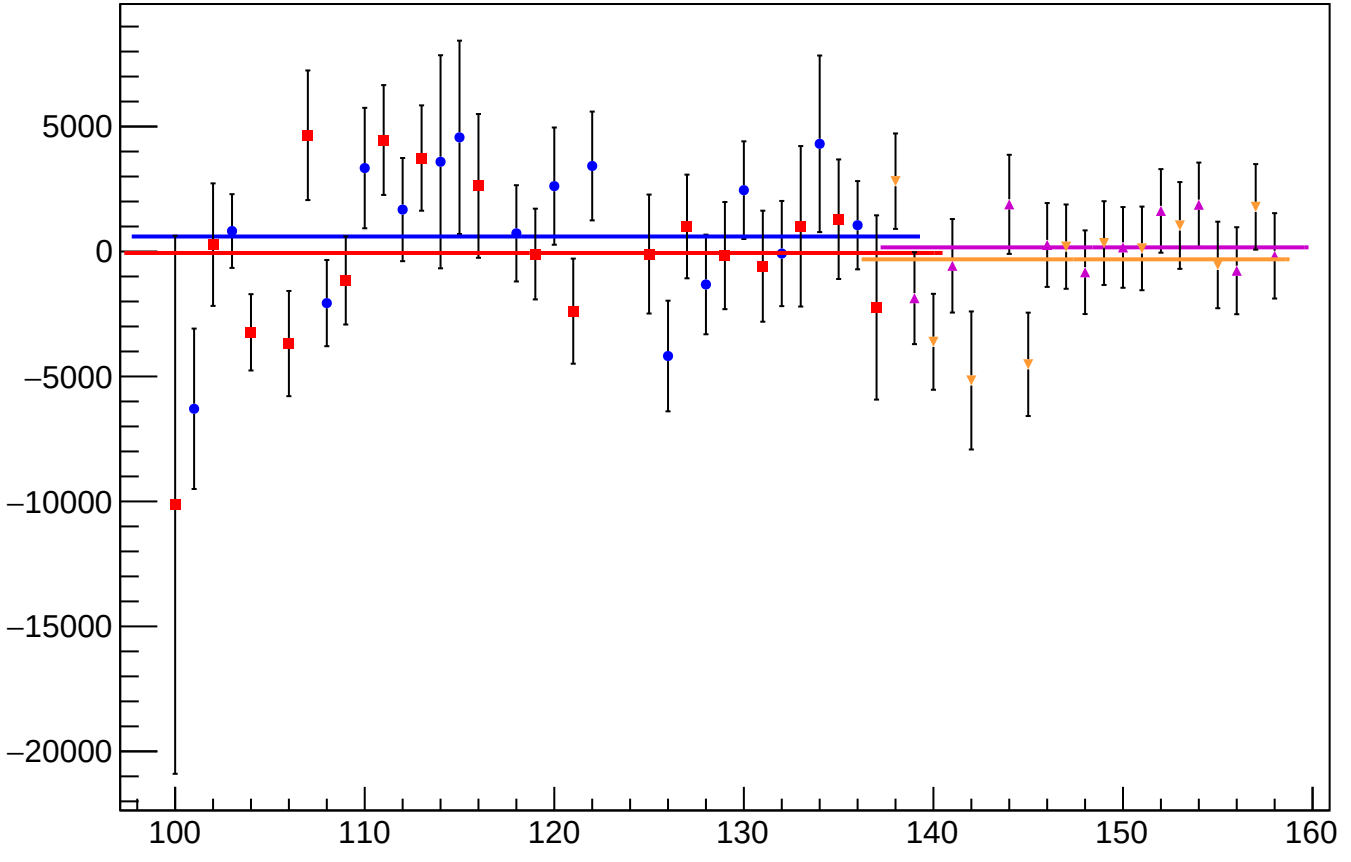
+ sign 0.000+/-0.000 χ^2/NDF: 31.4/25

All: 0.000+/-0.000 χ^2/NDF: 54.8/53

- sign -0.000+/-0.000 χ^2/NDF: 20.5/27


asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 4079776.1/15
Left Out: 0.000+/-0.000 χ²/NDF:784561.8/9
Right Out: 0.000+/-0.000 χ²/NDF: 2779318.5/17
Left In: 0.000+/-0.000 χ²/NDF:1169160.5/9
+ sign 0.000+/-0.000 χ²/NDF: 5640543.2/25
All: 0.000+/-0.000 χ²/NDF: 11766764.4/53
- sign 0.000+/-0.000 χ²/NDF: 6114134.4/27

reg_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 600.146+/-540.053 χ^2/NDF: 20.3/15

Left Out: -312.831+/-579.082 χ^2/NDF:15.3/9

Right Out: -59.091+/-530.206 χ^2/NDF: 22.5/17

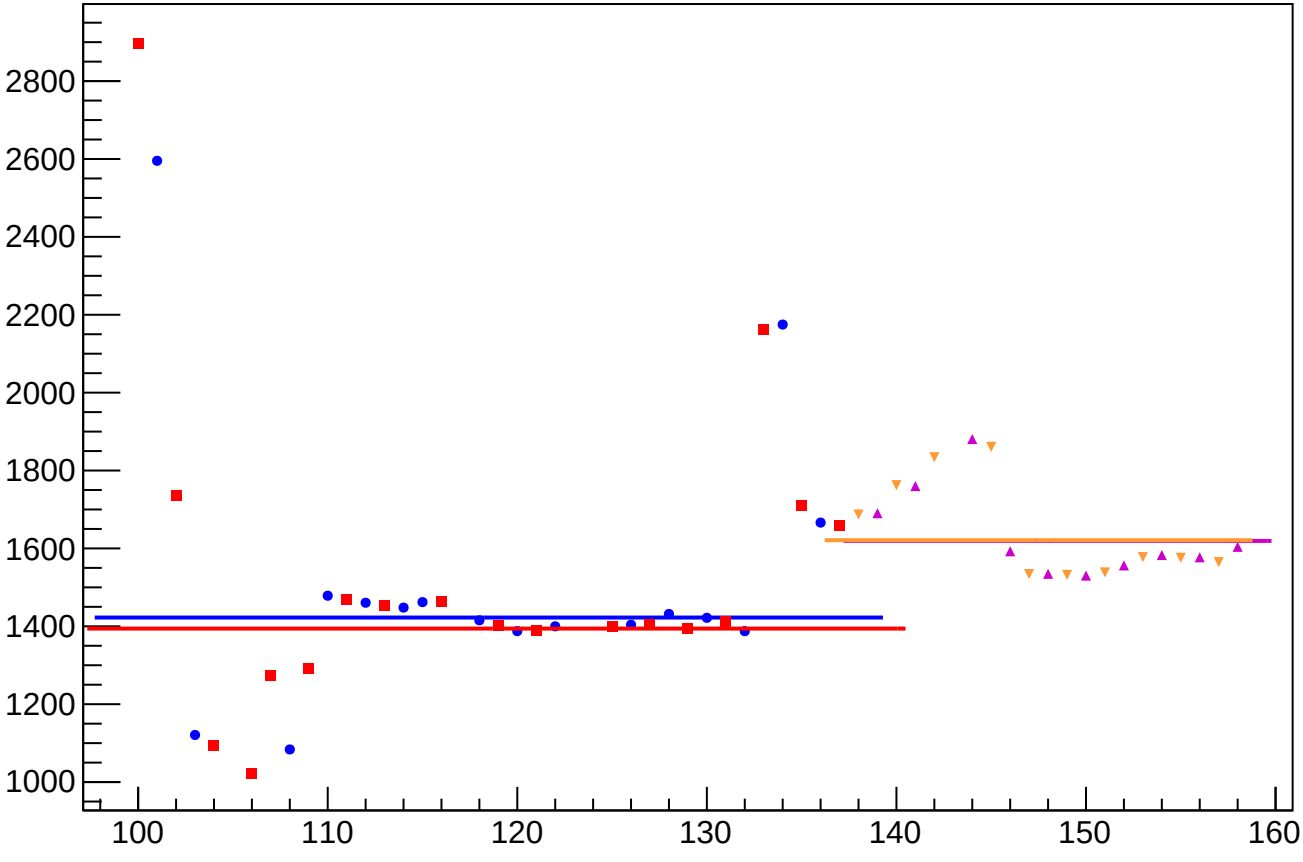
Left In: 165.800+/-549.301 χ^2/NDF:4.6/9

+ sign 175.459+/-394.953 χ^2/NDF: 36.9/25

All: 110.232+/-274.388 χ^2/NDF: 64.2/53

- sign 49.378+/-381.484 χ^2/NDF: 27.2/27

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1621.049+/-0.409 χ^2/NDF:72609.3/9

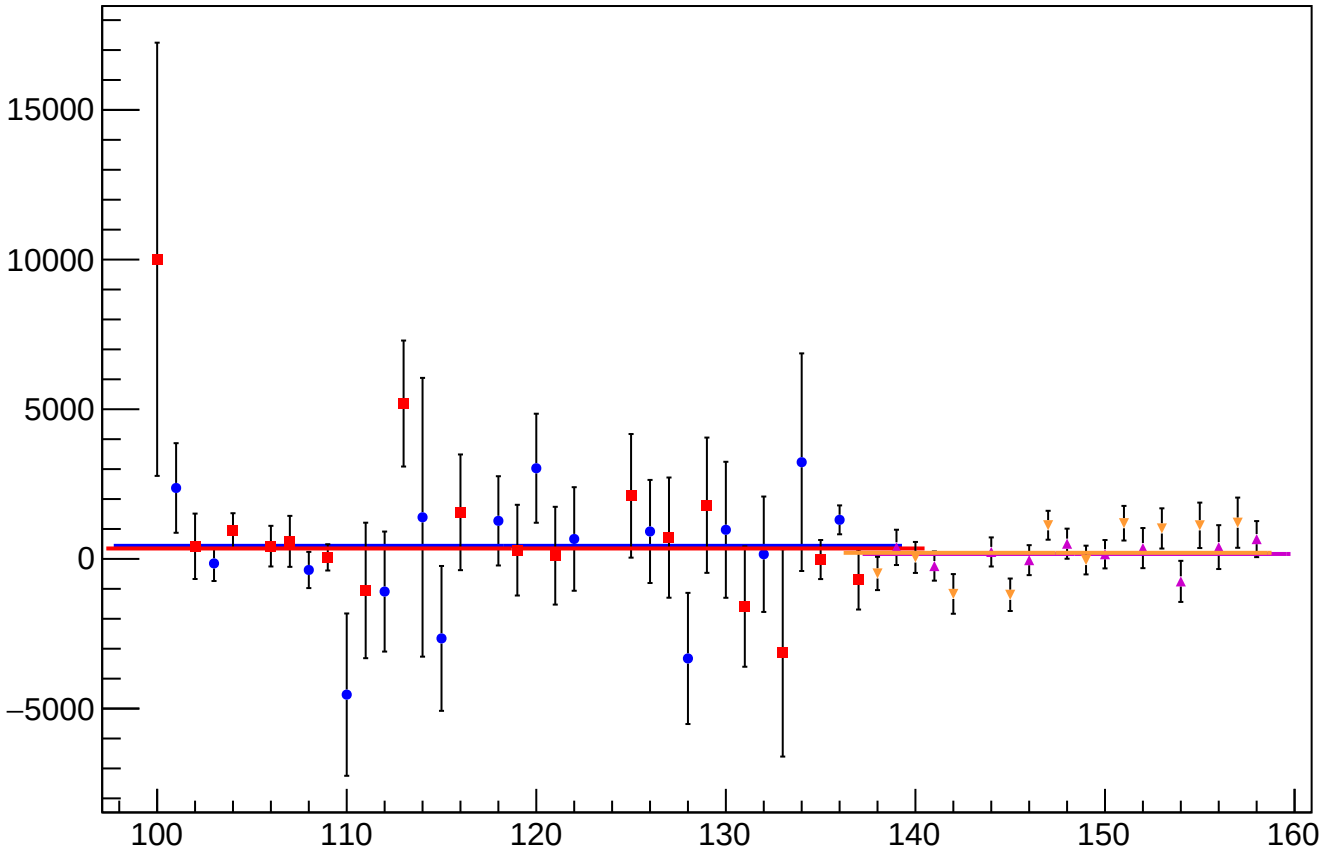
Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1619.247+/-0.388 χ^2/NDF:65907.7/9

+ sign 1514.866+/-0.279 χ^2/NDF: 758598.1/25

All: 1508.587+/-0.194 χ^2/NDF: 1392983.6/53

- sign 1502.729+/-0.270 χ^2/NDF: 633408.2/27



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: 203.478+/-183.713 χ^2/NDF:23.8/9

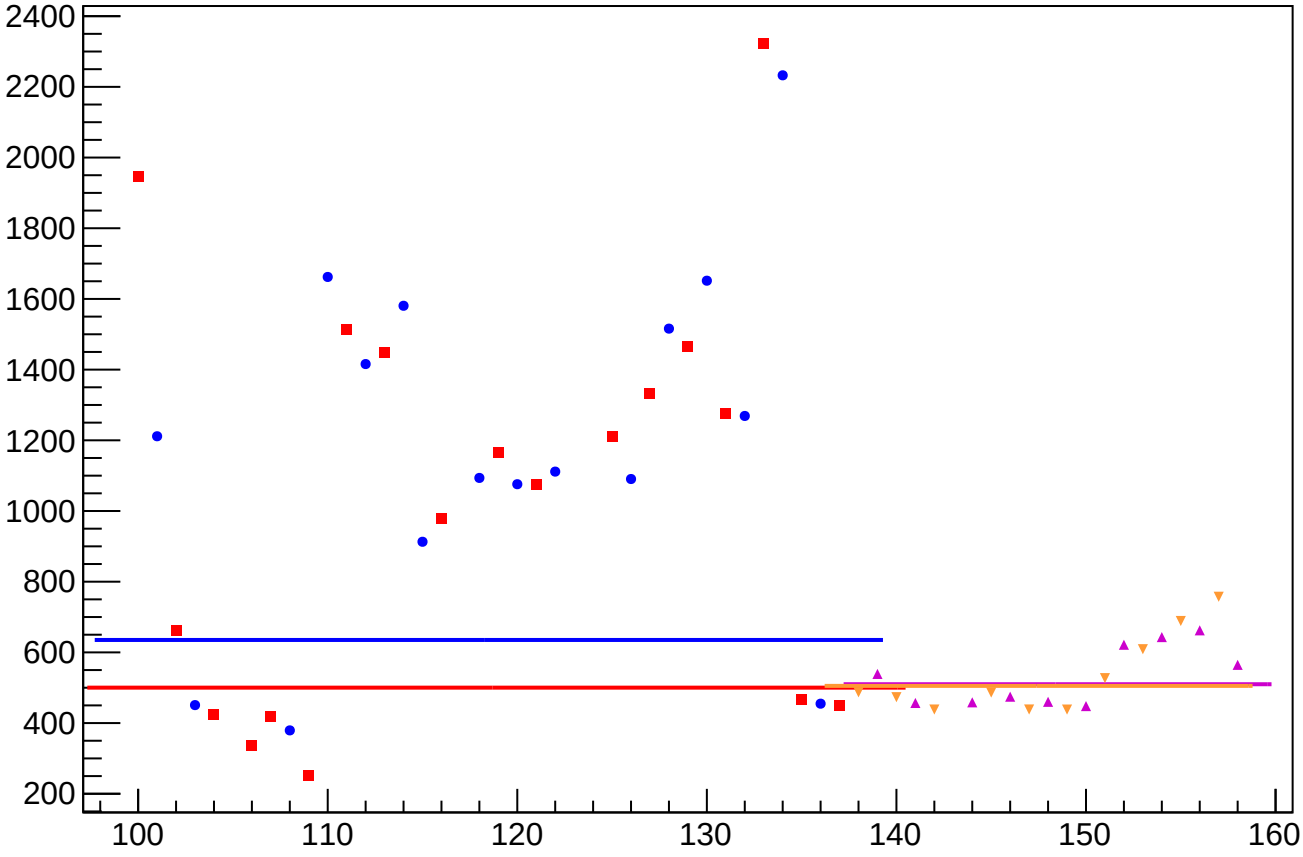
Right Out: 348.567+/-233.745 χ^2/NDF: 13.9/17

Left In: 165.383+/-174.898 χ^2/NDF:4.1/9

+ sign 275.056+/-152.918 χ^2/NDF: 43.6/25

All: 251.166+/-103.275 χ^2/NDF: 62.1/53

- sign 231.132+/-140.037 χ^2/NDF: 18.4/27



Right In: 635.135+/-0.195 χ^2/NDF: 3752583.4/15

Left Out: 505.237+/-0.130 χ^2/NDF:458217.6/9

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

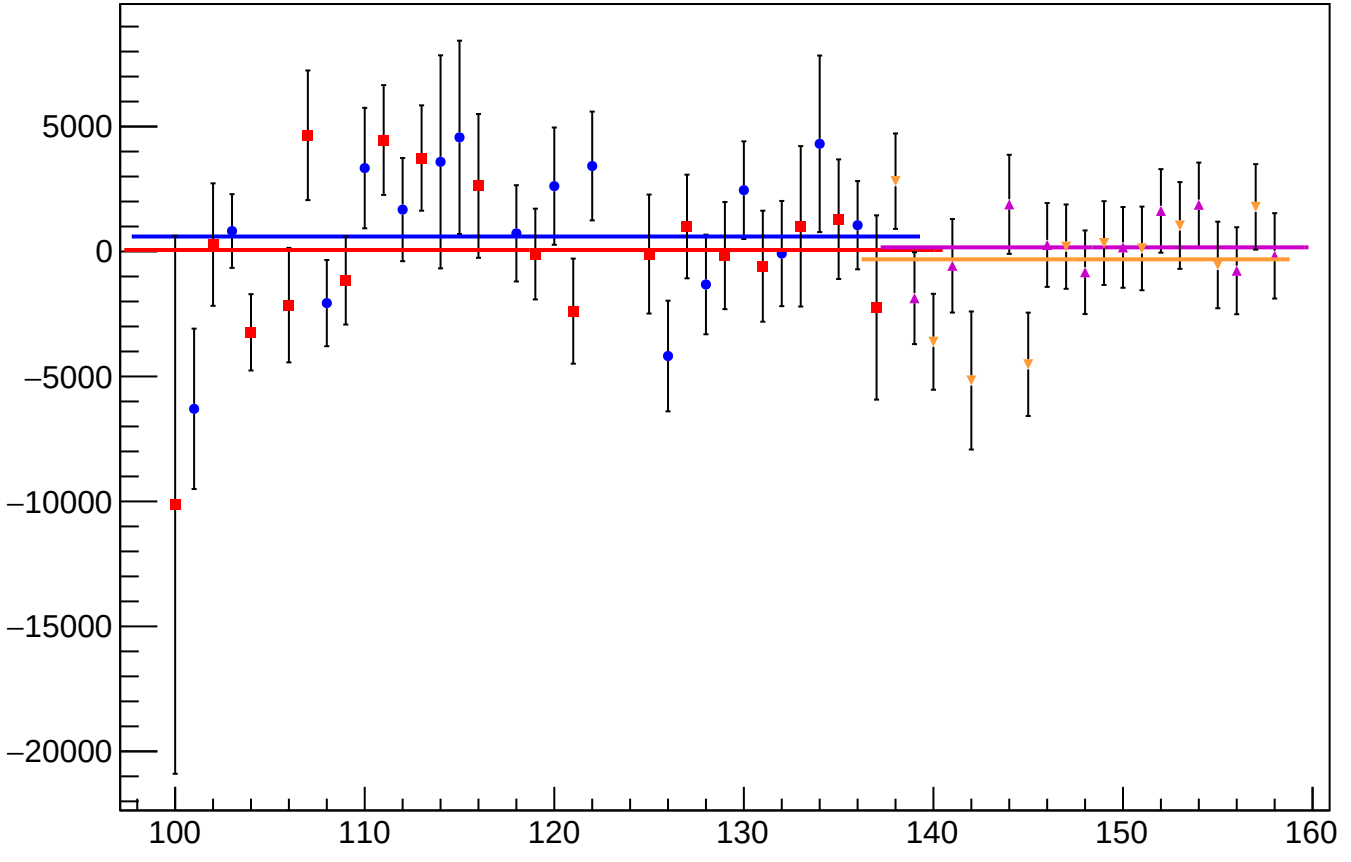
Left In: 509.881+/-0.124 χ^2/NDF:348691.2/9

+ sign 545.136+/-0.108 χ^2/NDF: 4517923.3/25

All: 524.078+/-0.073 χ^2/NDF: 9247630.1/53

- sign 506.417+/-0.099 χ^2/NDF: 4659969.3/27

cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -312.946+/-579.082 χ^2/NDF:15.3/9

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

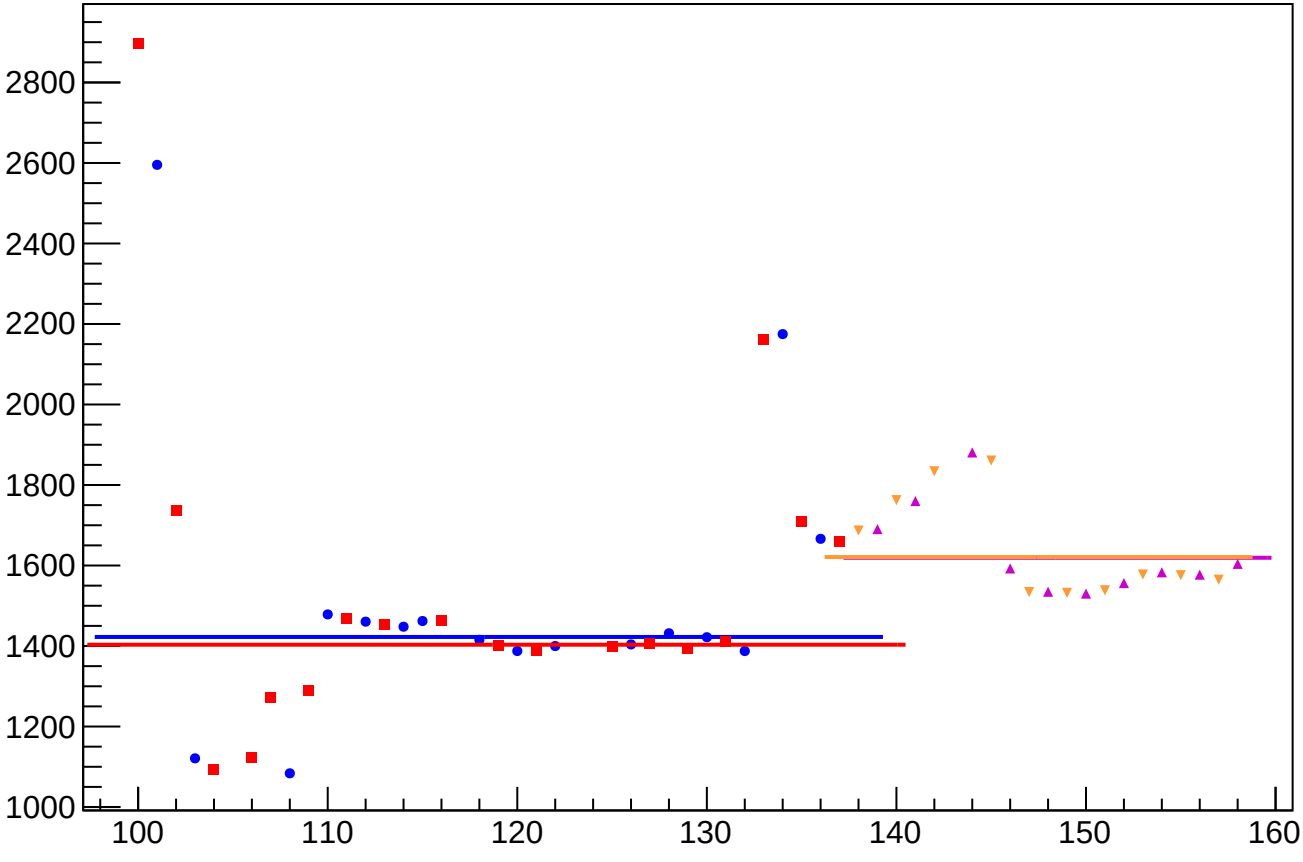
Left In: 165.773+/-549.301 χ^2/NDF:4.6/9

\+ sign 175.337+/-394.953 χ^2/NDF: 36.9/25

All: 142.373+/-274.749 χ^2/NDF: 61.9/53

\- sign 111.462+/-382.457 χ^2/NDF: 25.0/27

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1621.049+/-0.409 χ^2/NDF:72609.3/9

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

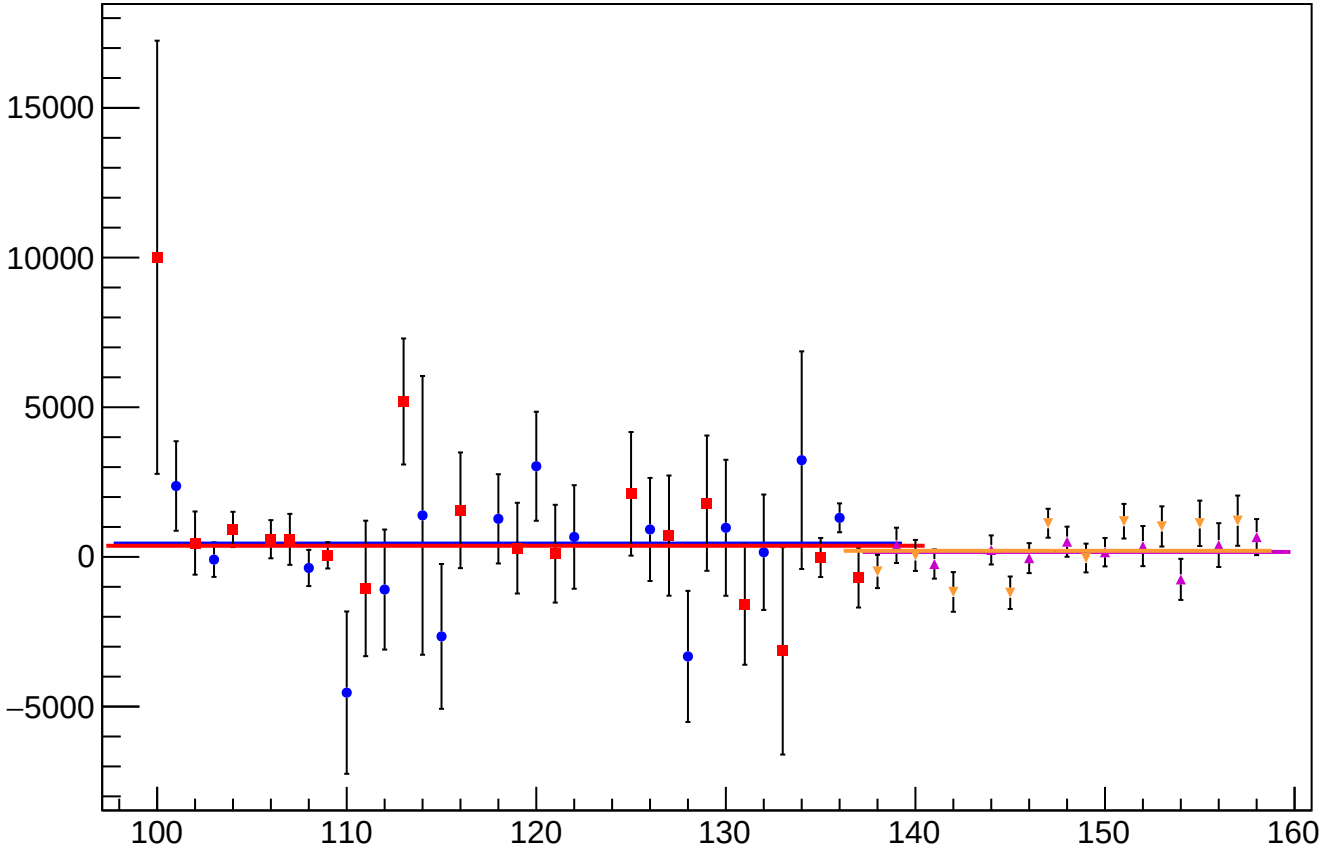
Left In: 1619.247+/-0.388 χ^2/NDF:65907.7/9

+ sign 1514.866+/-0.279 χ^2/NDF: 758598.5/25

All: 1511.295+/-0.194 χ^2/NDF: 1343312.8/53

- sign 1507.945+/-0.270 χ^2/NDF: 584397.4/27

asym_us_dd_at2lr_dd_dd_cor_correction_mean vs Slug



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 203.486+/-183.716 χ^2/NDF:23.8/9

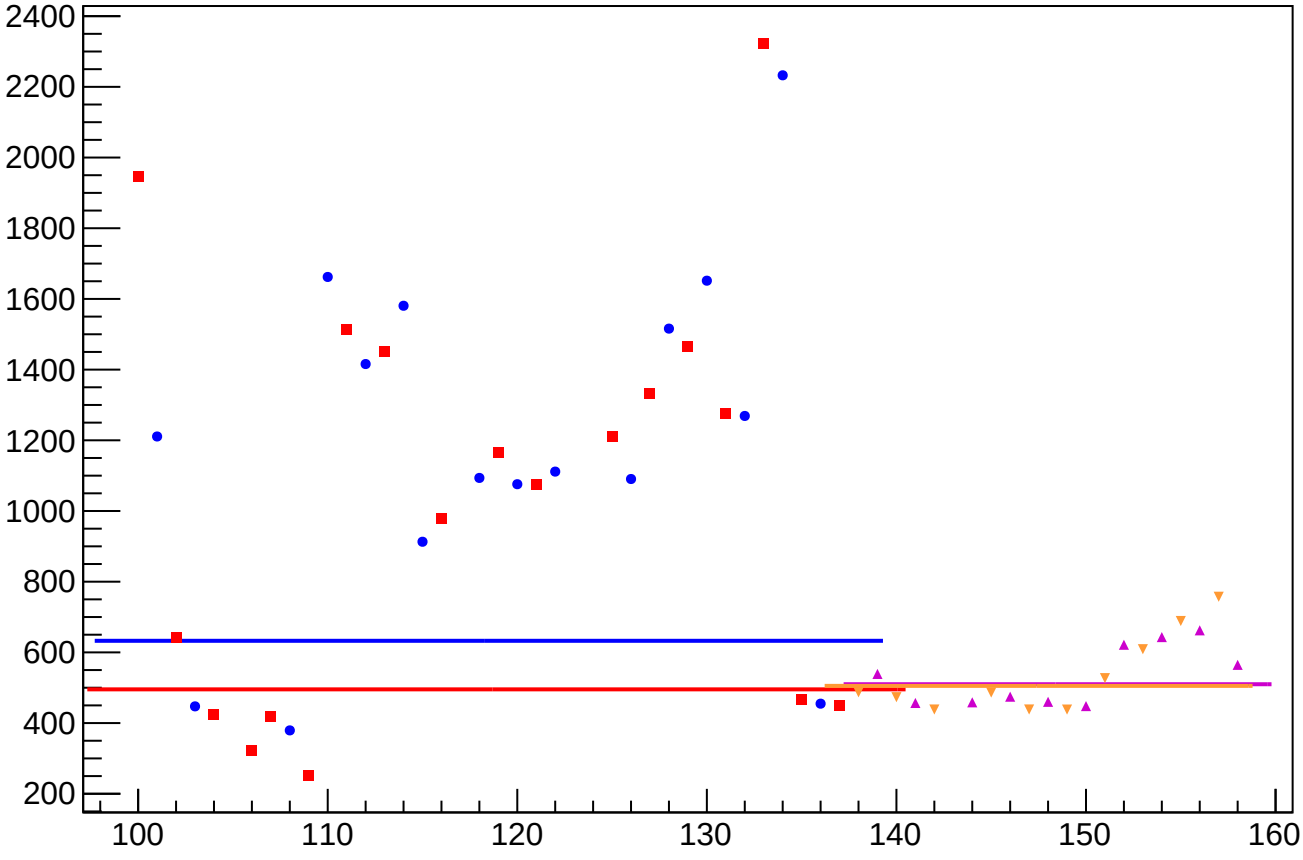
Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: 165.434+/-174.896 χ^2/NDF:4.1/9

+ sign 278.149+/-152.718 χ^2/NDF: 43.5/25

All: 257.763+/-103.004 χ^2/NDF: 62.2/53

- sign 240.750+/-139.516 χ^2/NDF: 18.6/27



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 505.247+/-0.130 χ^2/NDF:458138.3/9

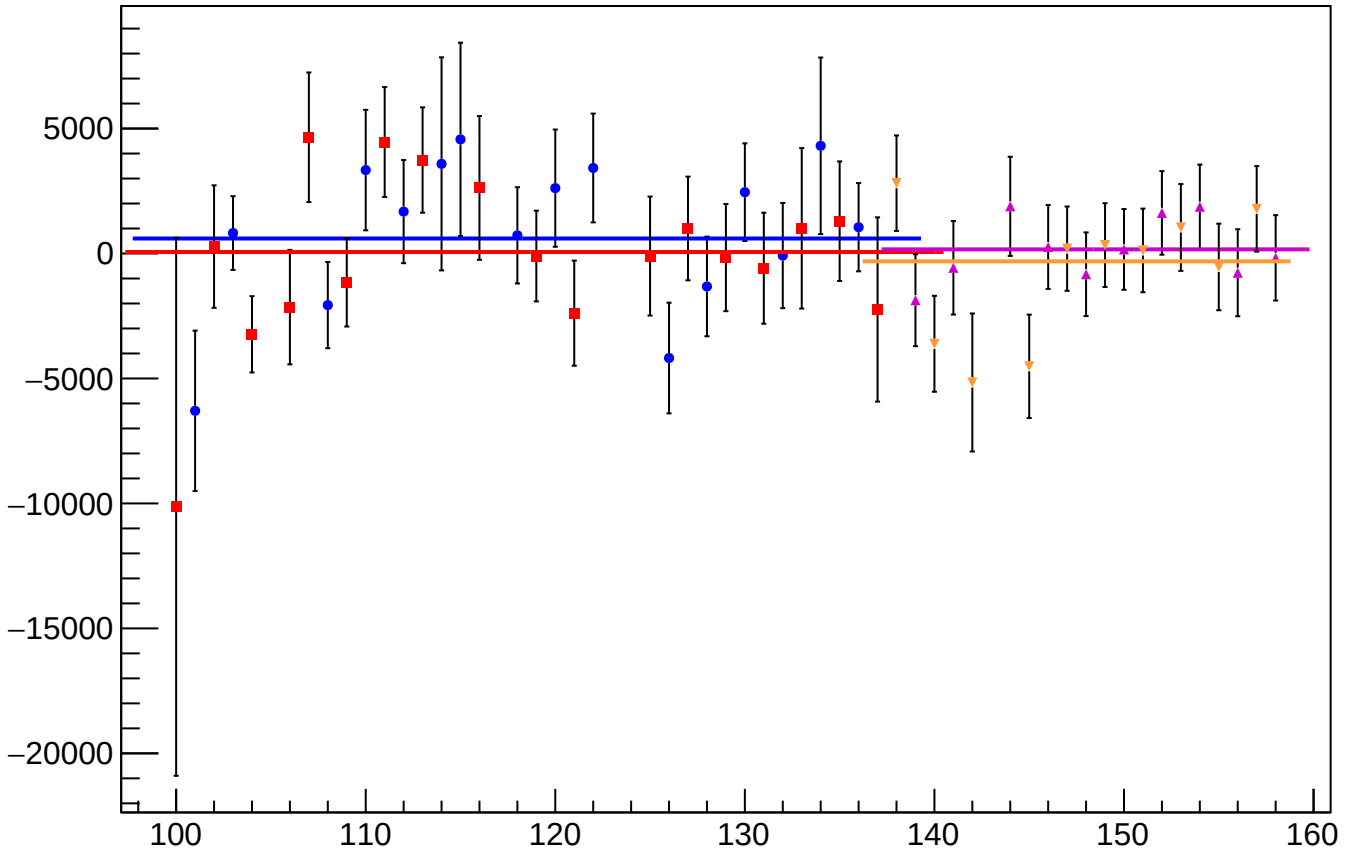
Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 509.874+/-0.124 χ^2/NDF:348705.0/9

+ sign 544.645+/-0.108 χ^2/NDF: 4523543.7/25

All: 522.819+/-0.073 χ^2/NDF: 9289673.9/53

- sign 504.603+/-0.099 χ^2/NDF: 4691184.6/27



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -312.946+/-579.082 χ^2/NDF:15.3/9

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

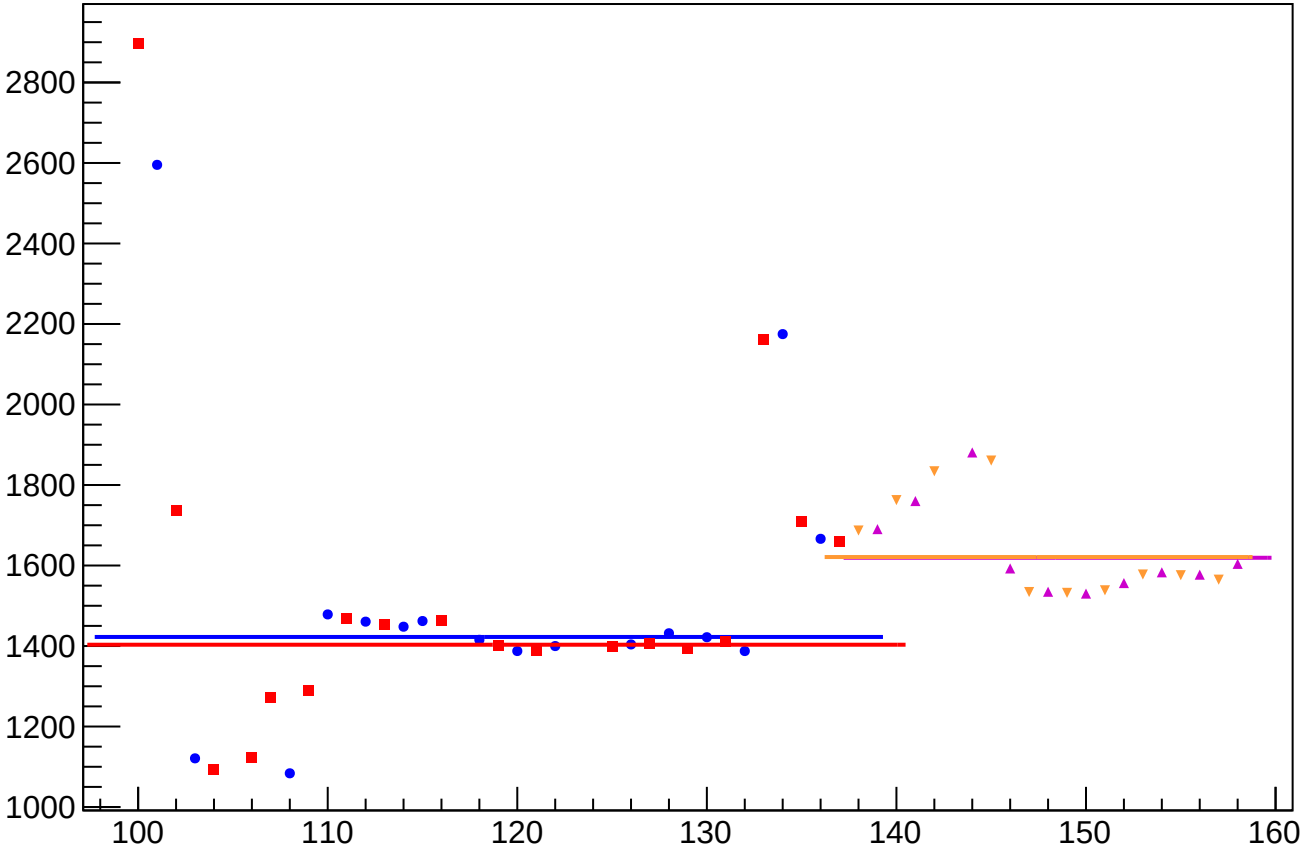
Left In: 165.773+/-549.301 χ^2/NDF:4.6/9

+ sign 175.337+/-394.953 χ^2/NDF: 36.9/25

All: 142.373+/-274.749 χ^2/NDF: 61.9/53

- sign 111.462+/-382.457 χ^2/NDF: 25.0/27

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1621.049+/-0.409 χ^2/NDF:72609.3/9

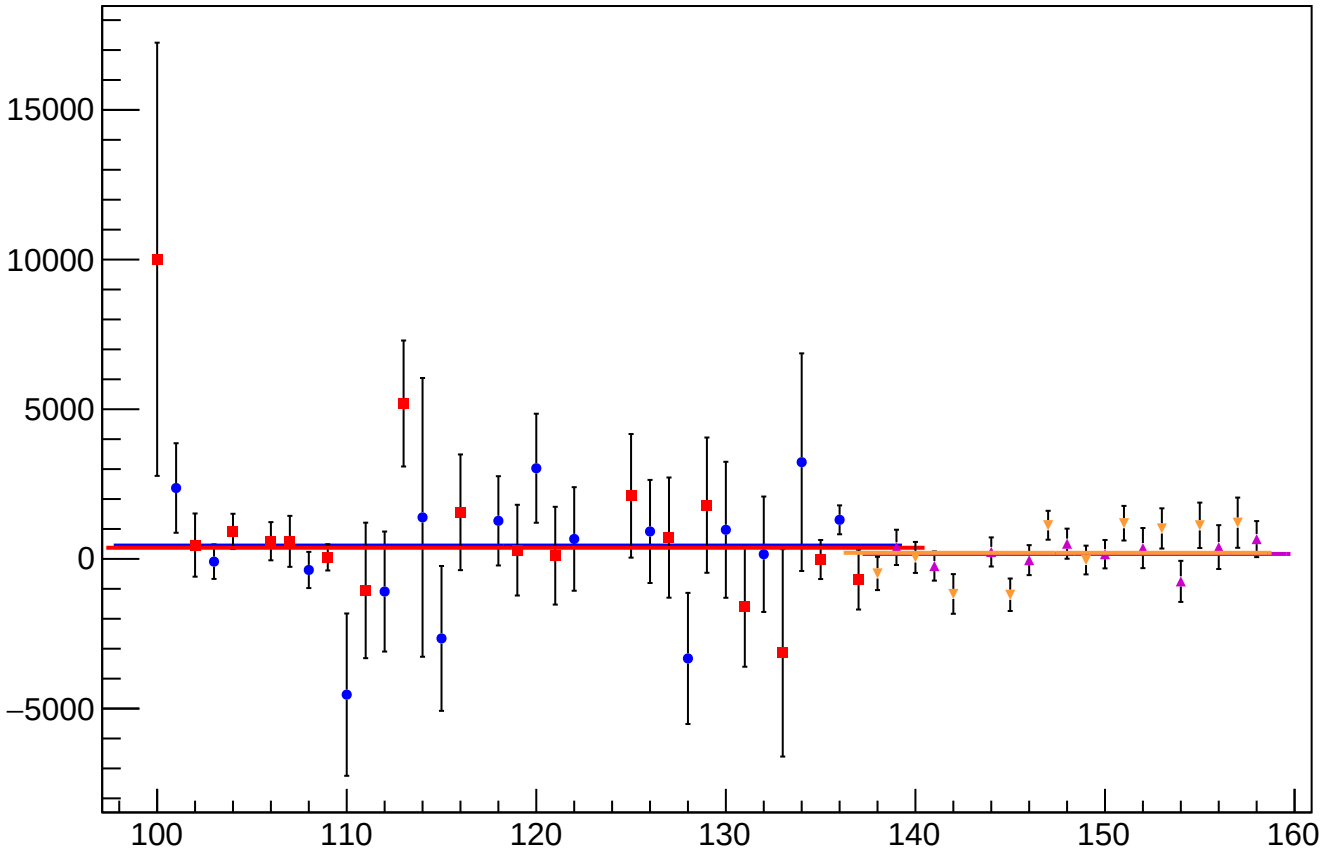
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1619.247+/-0.388 χ^2/NDF:65907.7/9

+ sign 1514.866+/-0.279 χ^2/NDF: 758598.5/25

All: 1511.295+/-0.194 χ^2/NDF: 1343312.8/53

- sign 1507.945+/-0.270 χ^2/NDF: 584397.4/27



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 203.486+/-183.716 χ^2/NDF:23.8/9

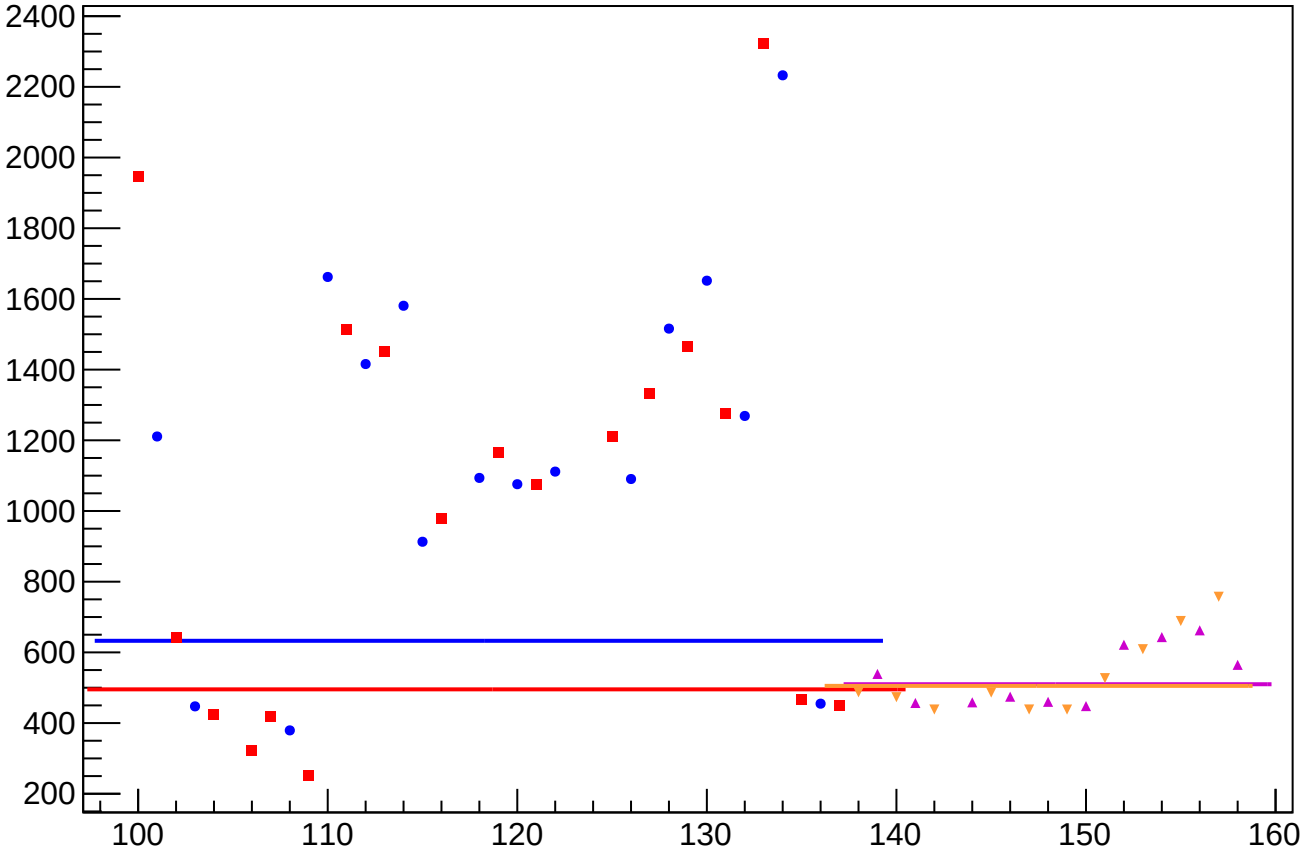
Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: 165.434+/-174.896 χ^2/NDF:4.1/9

+ sign 278.149+/-152.718 χ^2/NDF: 43.5/25

All: 257.763+/-103.004 χ^2/NDF: 62.2/53

- sign 240.750+/-139.516 χ^2/NDF: 18.6/27



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 505.247+/-0.130 χ^2/NDF:458138.3/9

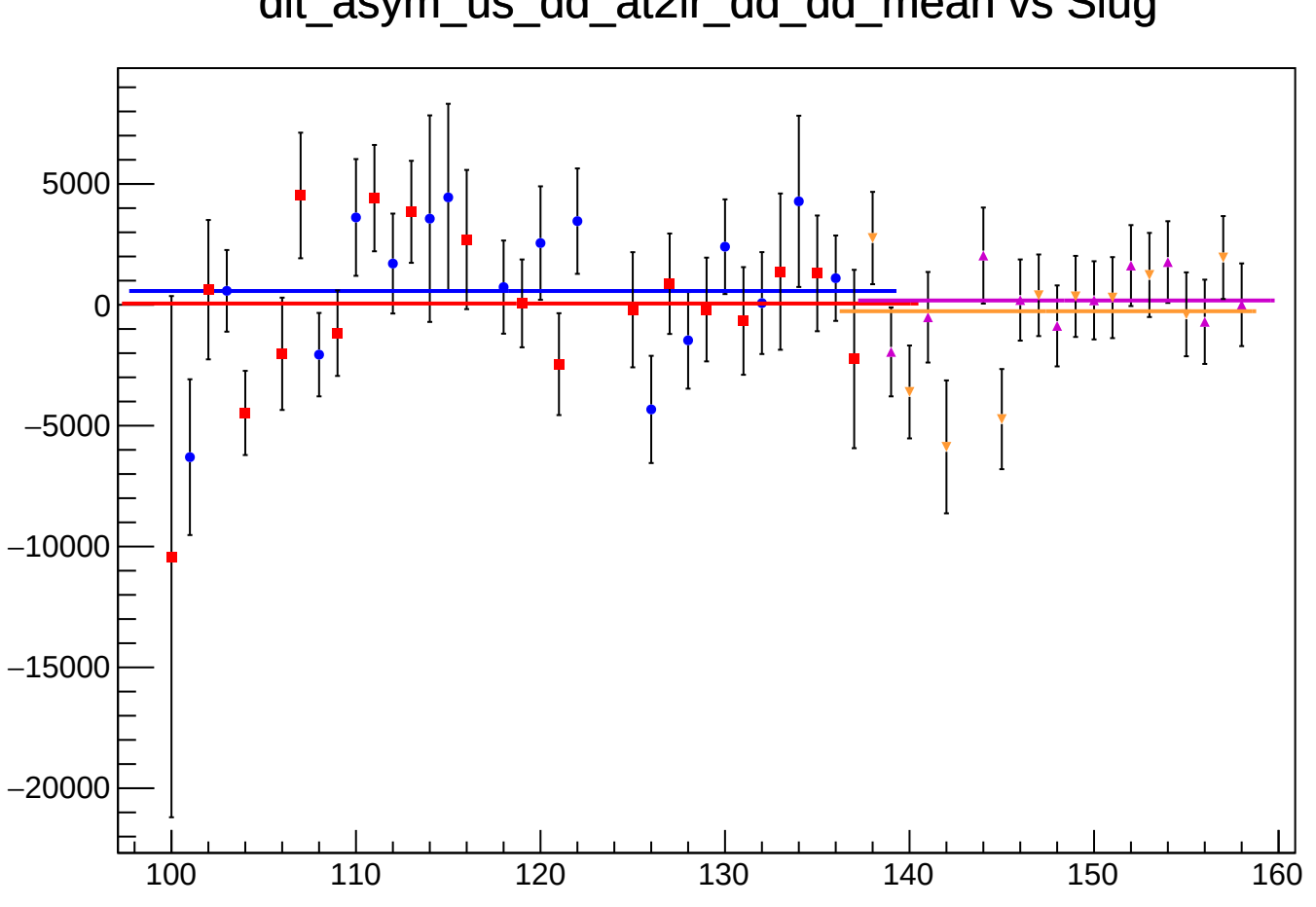
Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 509.874+/-0.124 χ^2/NDF:348705.0/9

+ sign 544.645+/-0.108 χ^2/NDF: 4523543.7/25

All: 522.819+/-0.073 χ^2/NDF: 9289673.9/53

- sign 504.603+/-0.099 χ^2/NDF: 4691184.6/27



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

Left Out: -264.134+/-579.763 χ^2/NDF:17.2/9

Right Out: 53.754+/-545.353 χ^2/NDF: 22.5/17

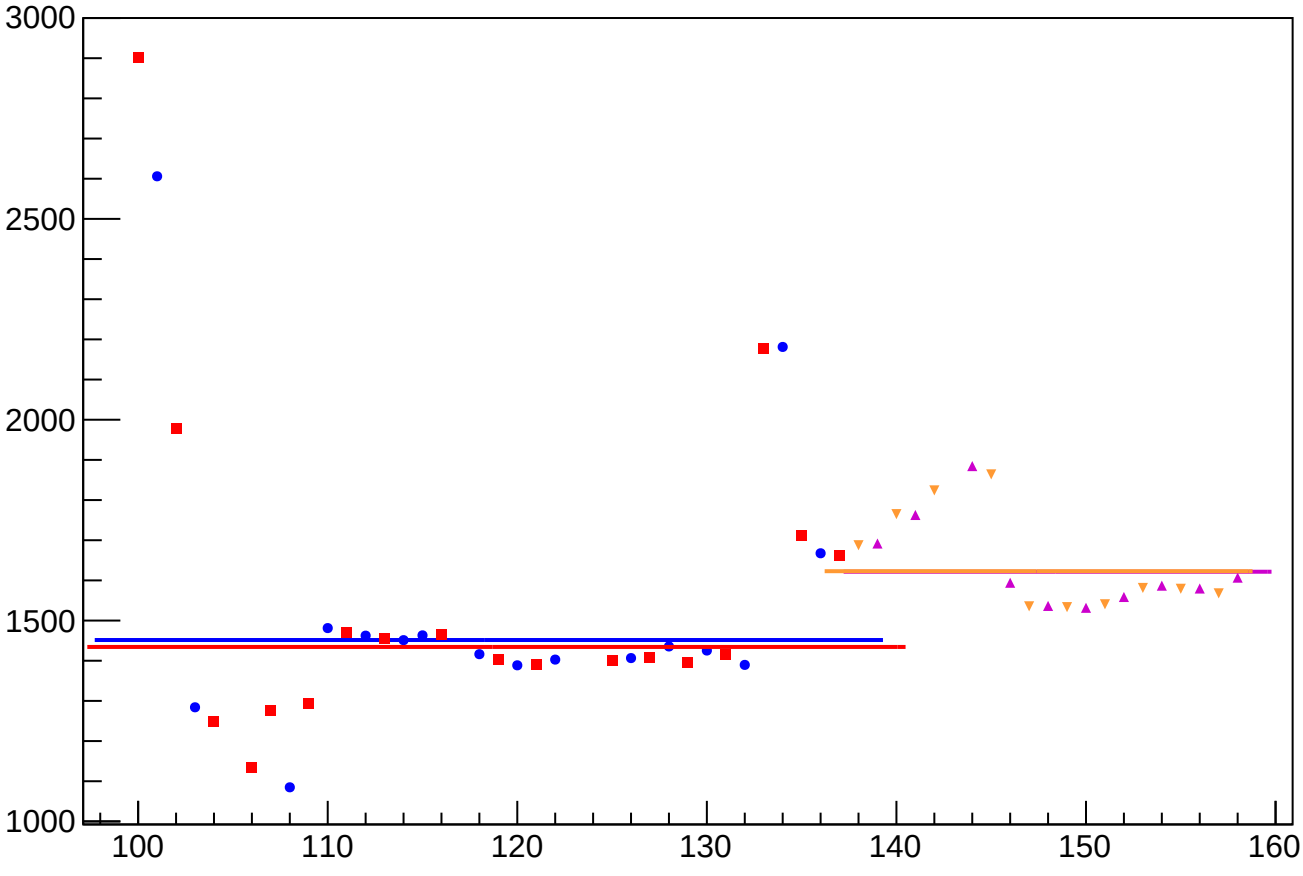
Left In: 179.808+/-550.097 χ^2/NDF:4.6/9

\+ sign 176.372+/-398.878 χ^2/NDF: 39.0/25

All: 145.418+/-277.861 χ^2/NDF: 66.2/53

\- sign 116.235+/-387.289 χ^2/NDF: 27.2/27

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1622.908+/-0.410 χ^2/NDF:71368.5/9

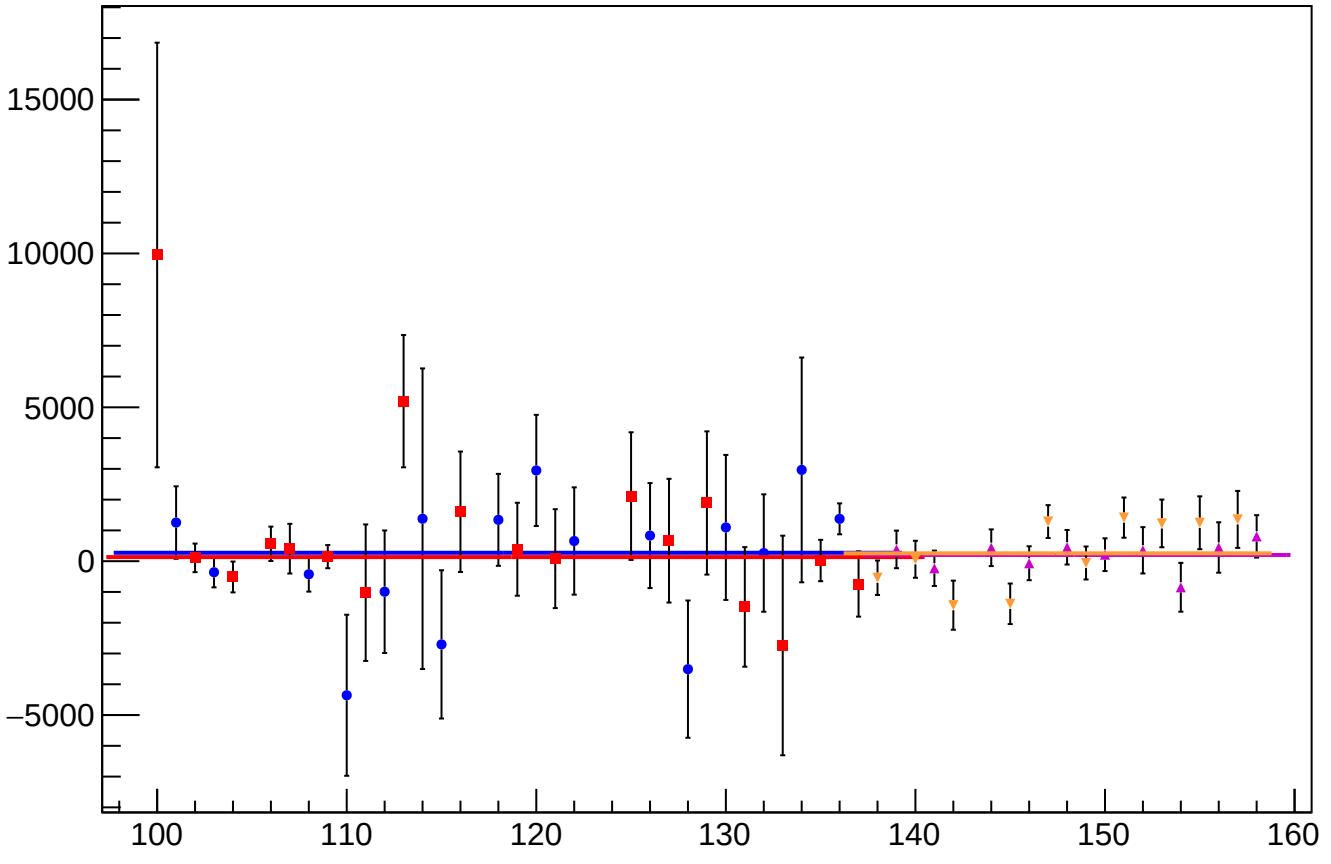
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1621.572+/-0.389 χ^2/NDF:66157.0/9

+ sign 1532.677+/-0.282 χ^2/NDF: 651190.4/25

All: 1529.824+/-0.196 χ^2/NDF: 1163009.9/53

- sign 1527.135+/-0.274 χ^2/NDF: 511620.8/27



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: 255.453+/-206.926 χ^2/NDF:24.3/9

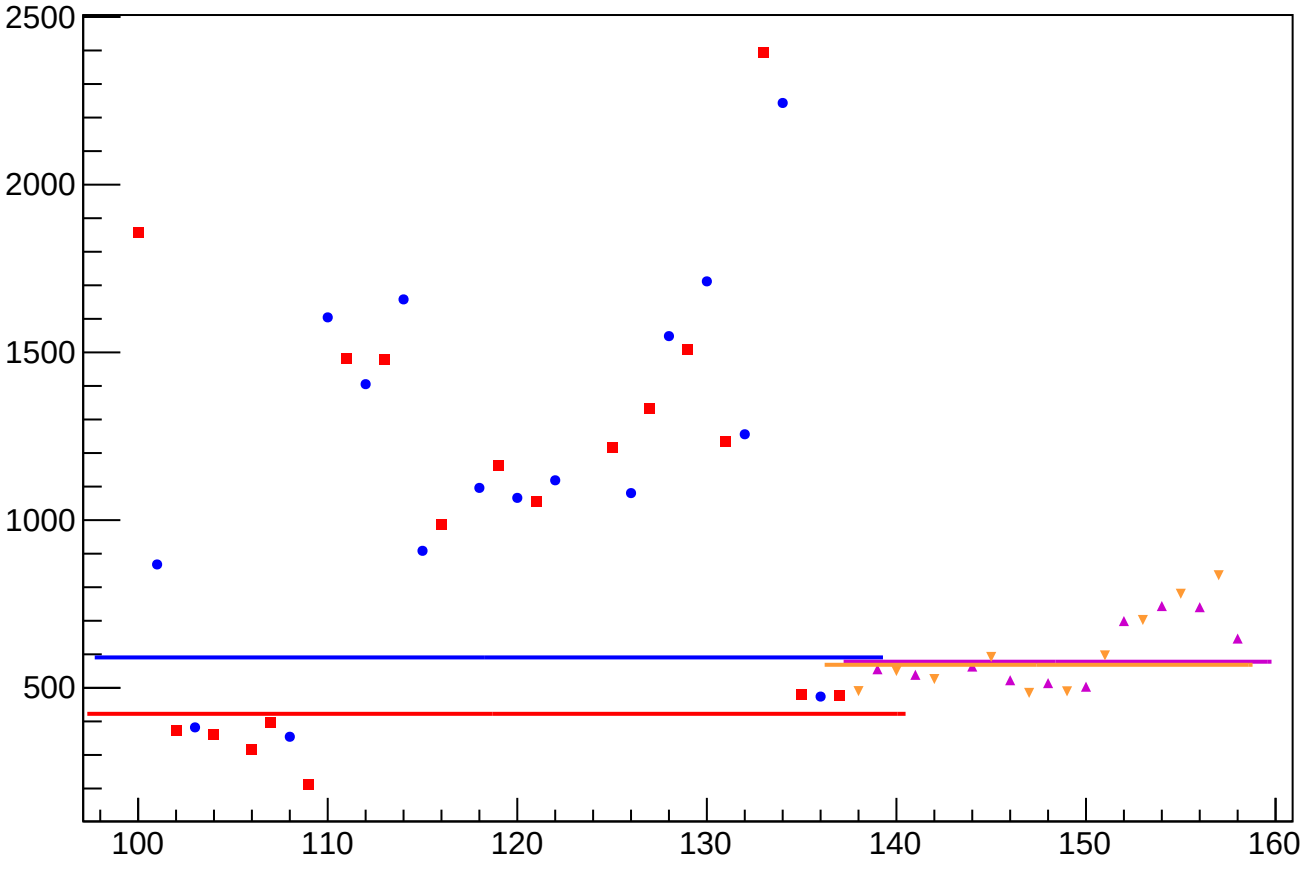
Right Out: 132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: 202.276+/-198.178 χ^2/NDF:3.9/9

+ sign 262.410+/-162.037 χ^2/NDF: 44.6/25

All: 207.573+/-105.646 χ^2/NDF: 63.1/53

- sign 167.027+/-139.333 χ^2/NDF: 18.4/27



Right In: 590.749+/-0.184 χ^2/NDF: 3885502.1/15

Left Out: 568.799+/-0.146 χ^2/NDF:493058.7/9

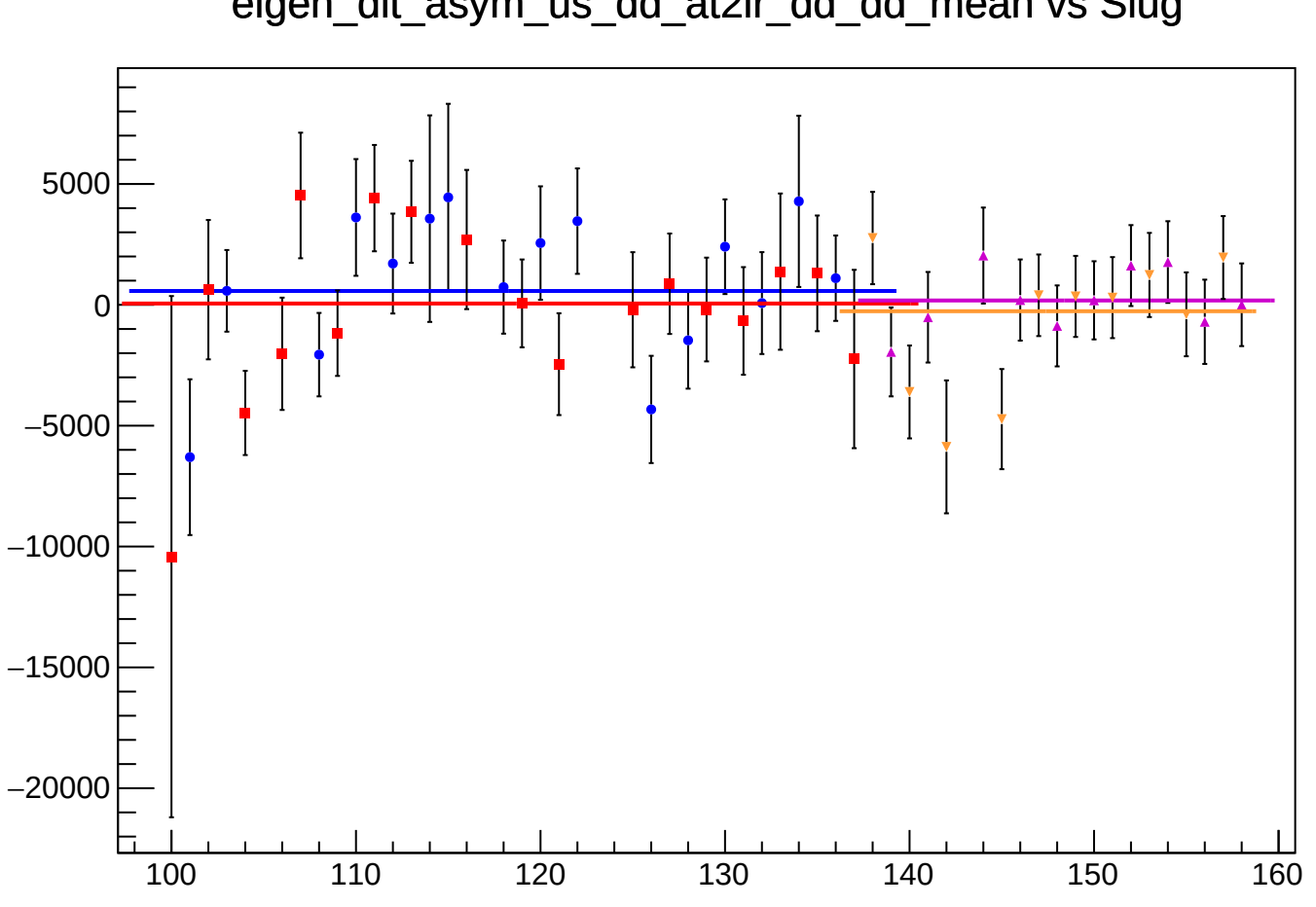
Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 577.958+/-0.140 χ^2/NDF:336361.7/9

+ sign 577.289+/-0.115 χ^2/NDF: 4387265.4/25

All: 532.515+/-0.075 χ^2/NDF: 10468581.2/53

- sign 499.409+/-0.099 χ^2/NDF: 5815693.8/27



Right In: 572.290+/-549.638 χ^2/NDF: 20.8/15

Left Out: -264.142+/-579.763 χ^2/NDF:17.2/9

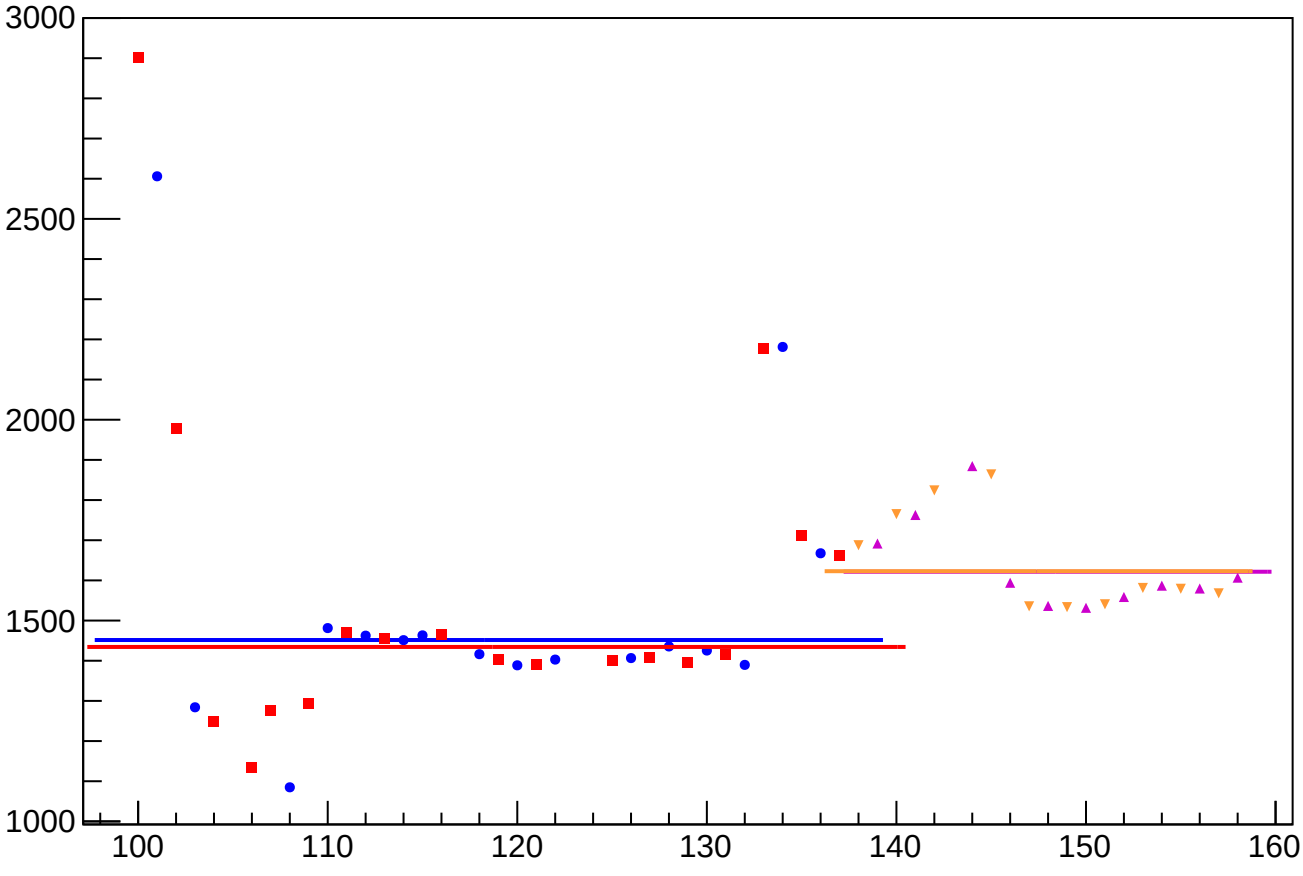
Right Out: 53.752+/-545.353 χ^2/NDF: 22.5/17

Left In: 179.813+/-550.097 χ^2/NDF:4.6/9

+ sign 176.369+/-398.878 χ^2/NDF: 39.0/25

All: 145.417+/-277.861 χ^2/NDF: 66.2/53

- sign 116.237+/-387.289 χ^2/NDF: 27.2/27



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1622.908+/-0.410 χ^2/NDF:71368.6/9

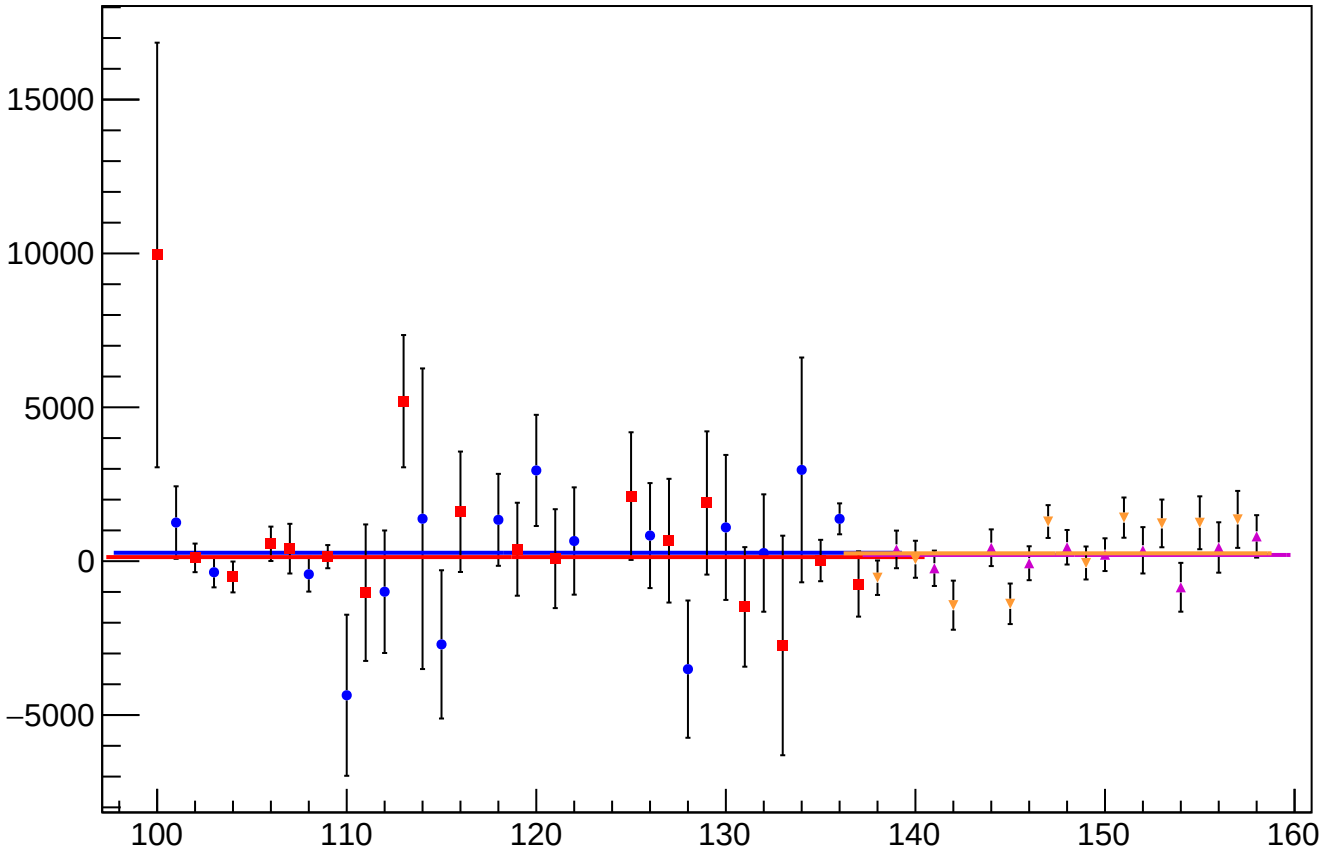
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1621.572+/-0.389 χ^2/NDF:66157.2/9

+ sign 1532.677+/-0.282 χ^2/NDF: 651190.1/25

All: 1529.824+/-0.196 χ^2/NDF: 1163010.0/53

- sign 1527.135+/-0.274 χ^2/NDF: 511621.2/27



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: 255.461+/-206.927 χ^2/NDF:24.3/9

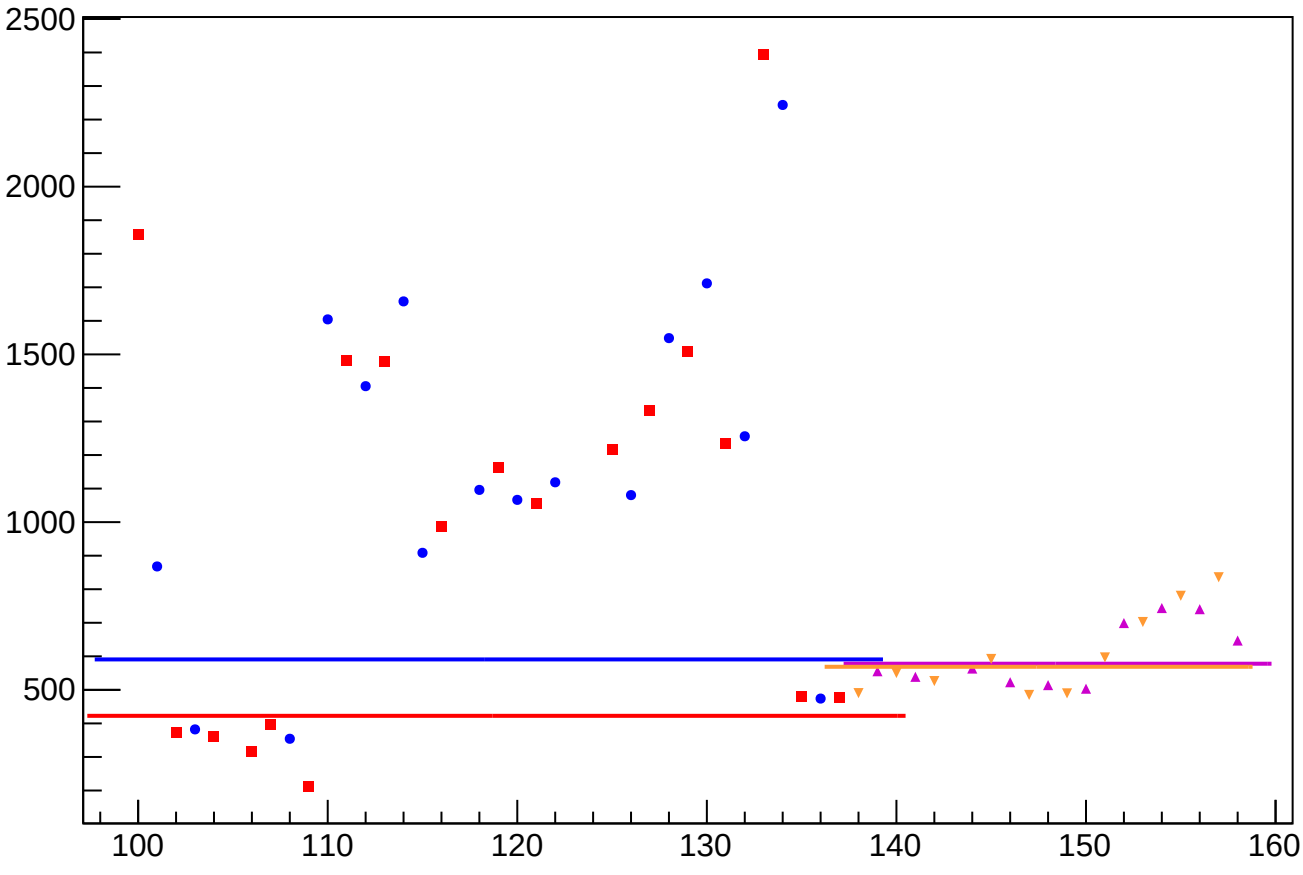
Right Out: 132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: 202.281+/-198.179 χ^2/NDF:3.9/9

+ sign 262.411+/-162.038 χ^2/NDF: 44.6/25

All: 207.574+/-105.647 χ^2/NDF: 63.1/53

- sign 167.027+/-139.333 χ^2/NDF: 18.4/27



Right In: 590.747+/-0.184 χ^2/NDF: 3885530.6/15

Left Out: 568.803+/-0.146 χ^2/NDF:493057.8/9

Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

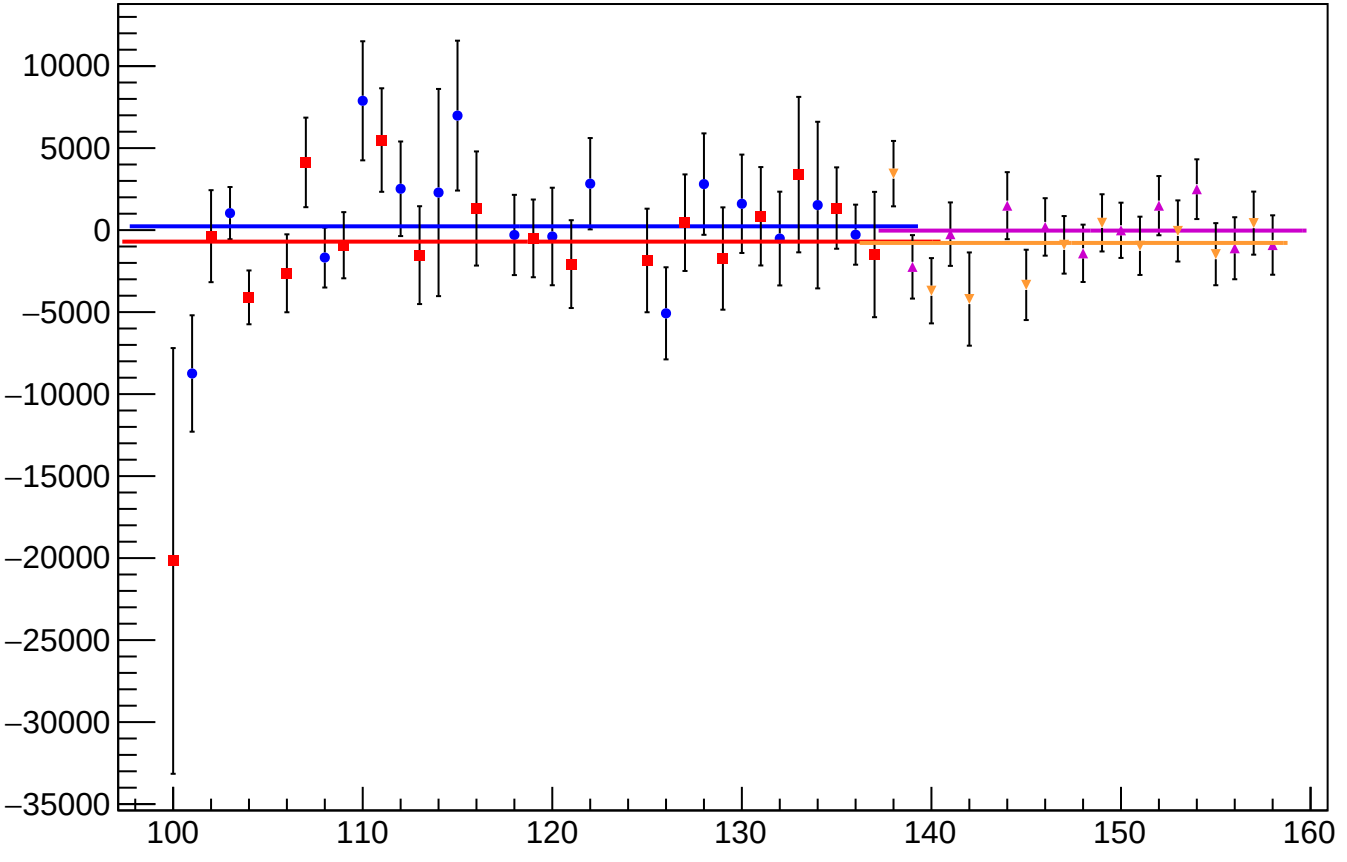
Left In: 577.959+/-0.140 χ^2/NDF:336390.7/9

+ sign 577.291+/-0.115 χ^2/NDF: 4387288.1/25

All: 532.518+/-0.075 χ^2/NDF: 10468496.0/53

- sign 499.413+/-0.099 χ^2/NDF: 5815602.1/27

asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -781.769+/-614.002 χ^2/NDF:10.7/9

Right Out: -702.268+/-648.319 χ^2/NDF: 17.0/17

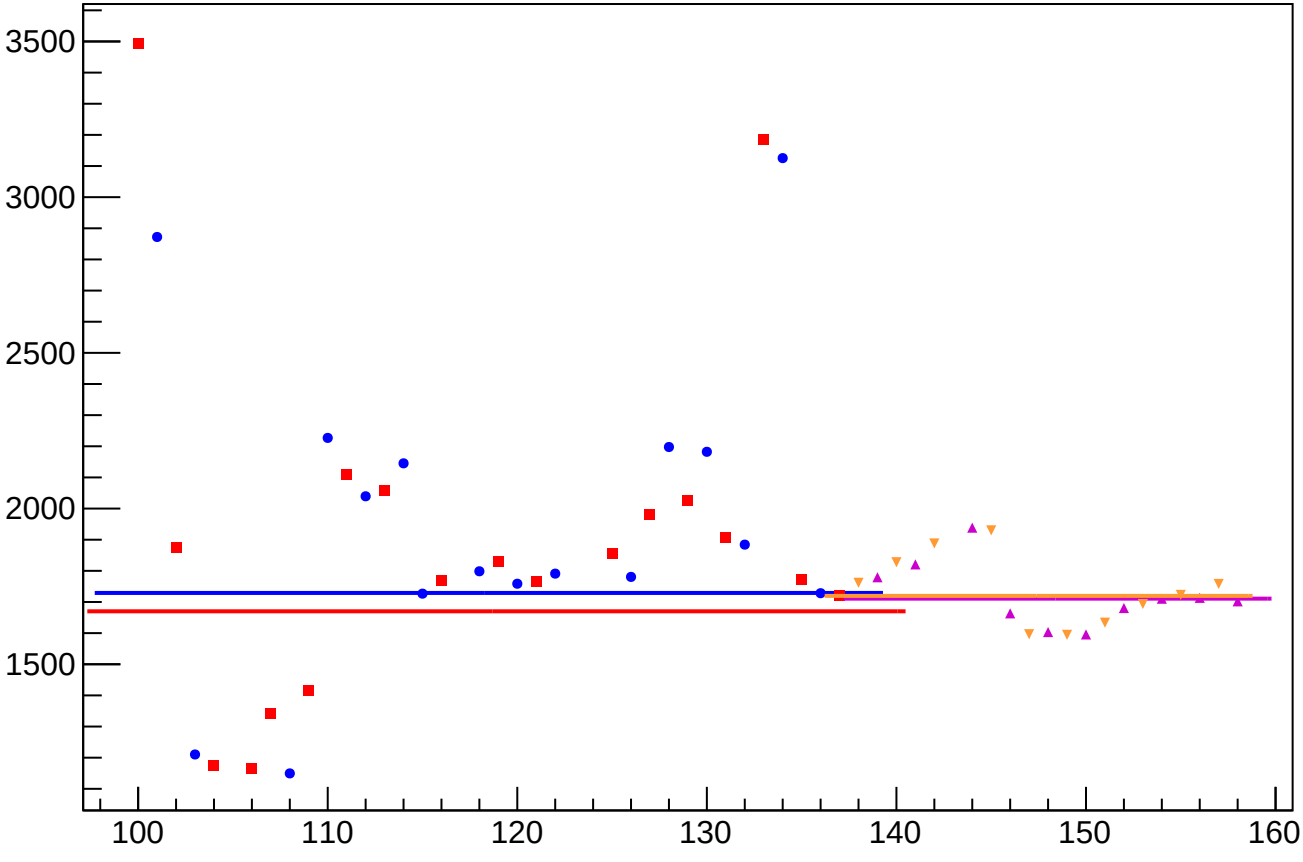
Left In: -29.593+/-580.119 χ^2/NDF:5.7/9

+ sign -316.751+/-451.505 χ^2/NDF: 32.7/25

All: -322.985+/-312.256 χ^2/NDF: 56.0/53

- sign -328.700+/-432.314 χ^2/NDF: 23.3/27

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1729.050+/-0.471 χ^2/NDF: 942079.1/15

Left Out: 1719.572+/-0.434 χ^2/NDF:59077.4/9

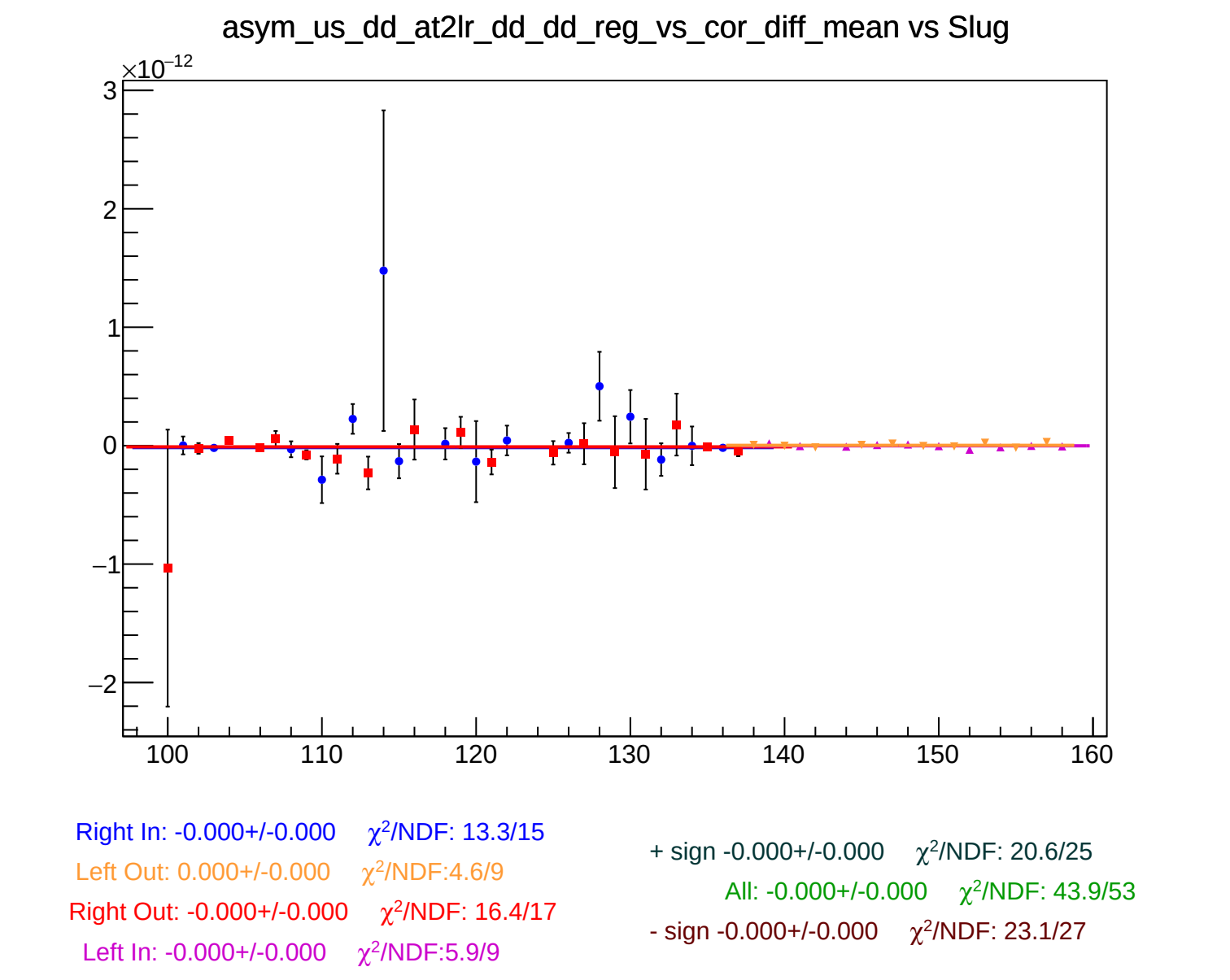
Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

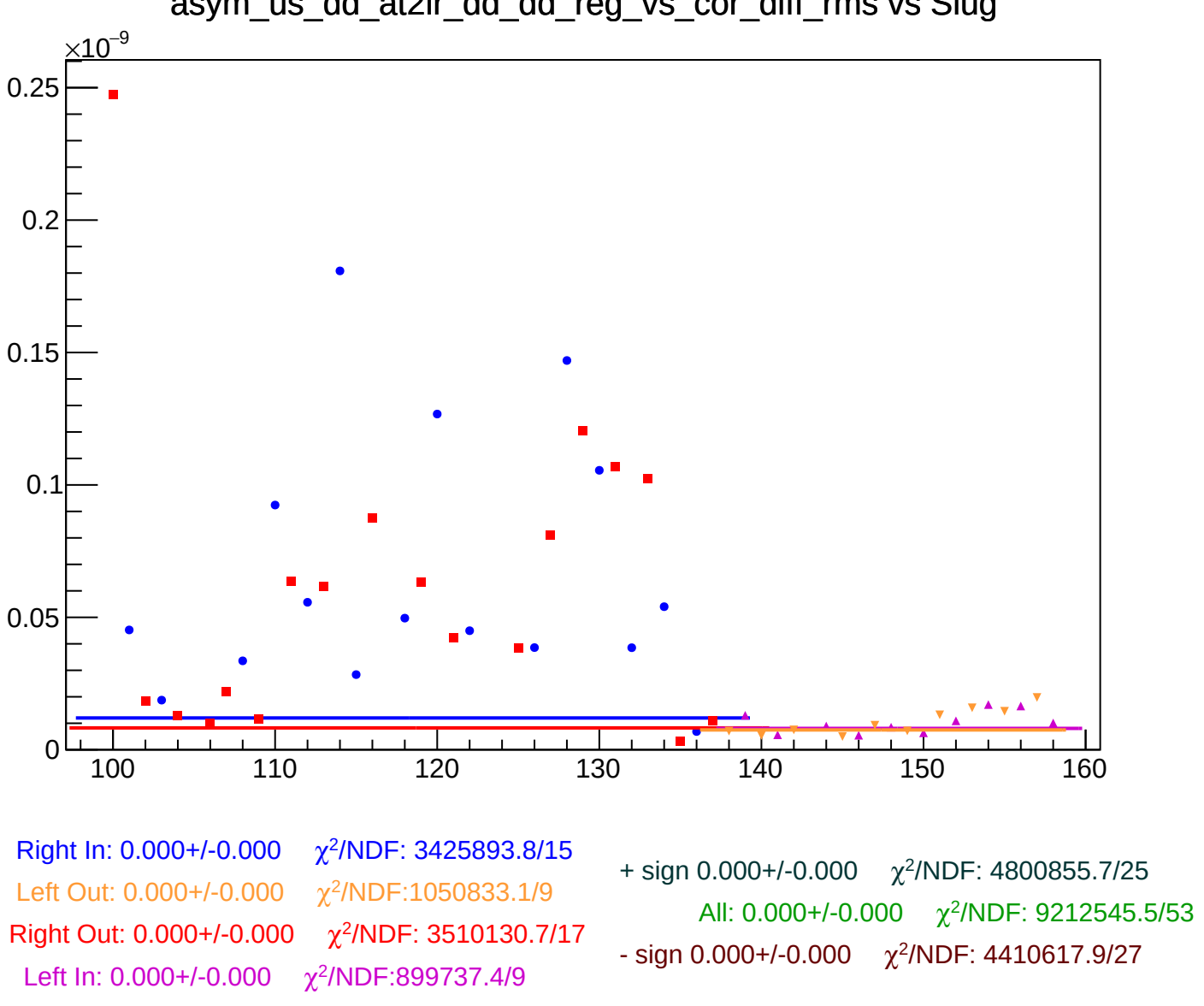
Left In: 1710.743+/-0.410 χ^2/NDF:52774.9/9

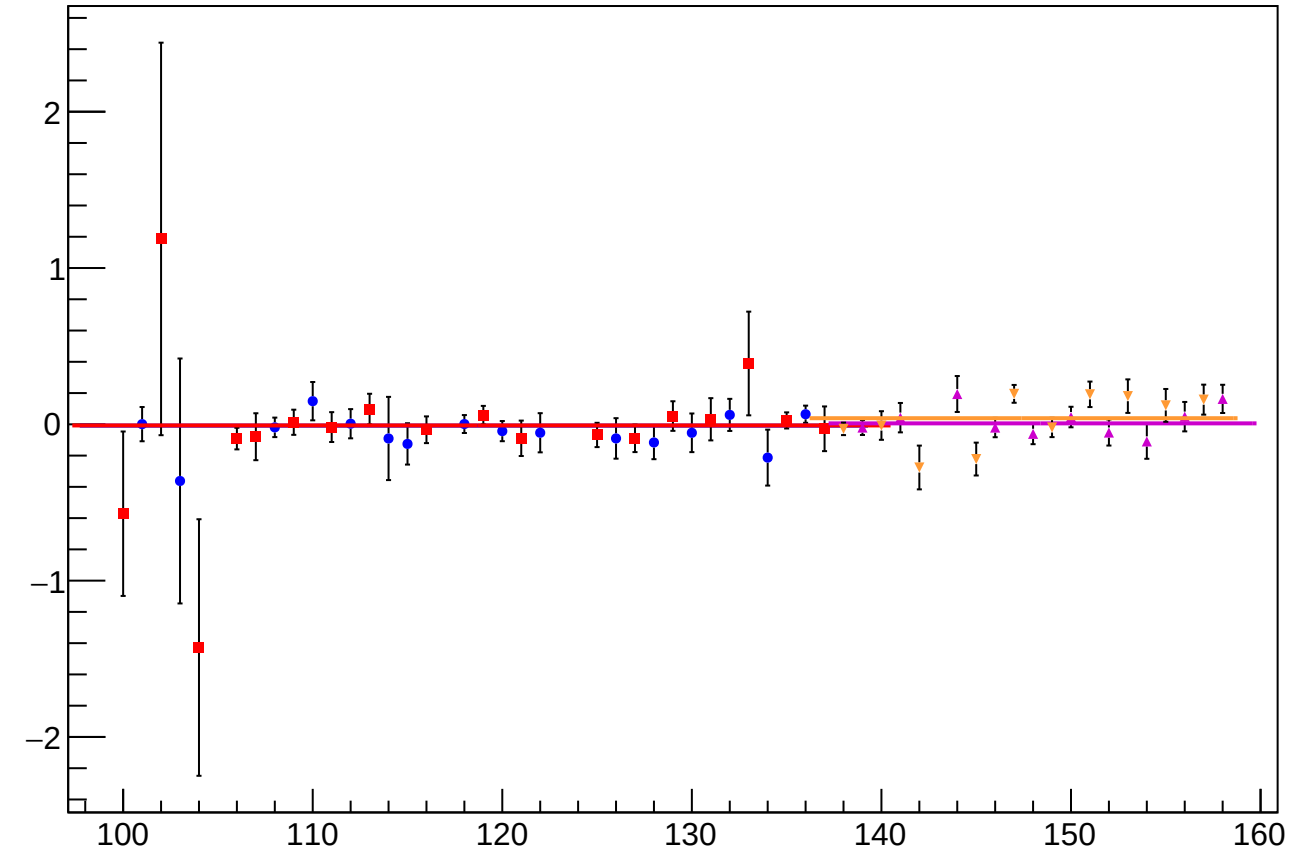
+ sign 1723.925+/-0.319 χ^2/NDF: 1001375.4/25

All: 1707.609+/-0.221 χ^2/NDF: 1807982.6/53

- sign 1692.651+/-0.306 χ^2/NDF: 801601.3/27


asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 13.3/15
Left Out: 0.000+/-0.000 χ²/NDF:4.6/9
Right Out: -0.000+/-0.000 χ²/NDF: 16.4/17
Left In: -0.000+/-0.000 χ²/NDF:5.9/9
+ sign -0.000+/-0.000 χ²/NDF: 20.6/25
All: -0.000+/-0.000 χ²/NDF: 43.9/53
- sign -0.000+/-0.000 χ²/NDF: 23.1/27


asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3425893.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1050833.1/9
Right Out: 0.000+/-0.000 χ²/NDF: 3510130.7/17
Left In: 0.000+/-0.000 χ²/NDF:899737.4/9
+ sign 0.000+/-0.000 χ²/NDF: 4800855.7/25
All: 0.000+/-0.000 χ²/NDF: 9212545.5/53
- sign 0.000+/-0.000 χ²/NDF: 4410617.9/27



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.039+/-0.023 χ^2/NDF:30.2/9

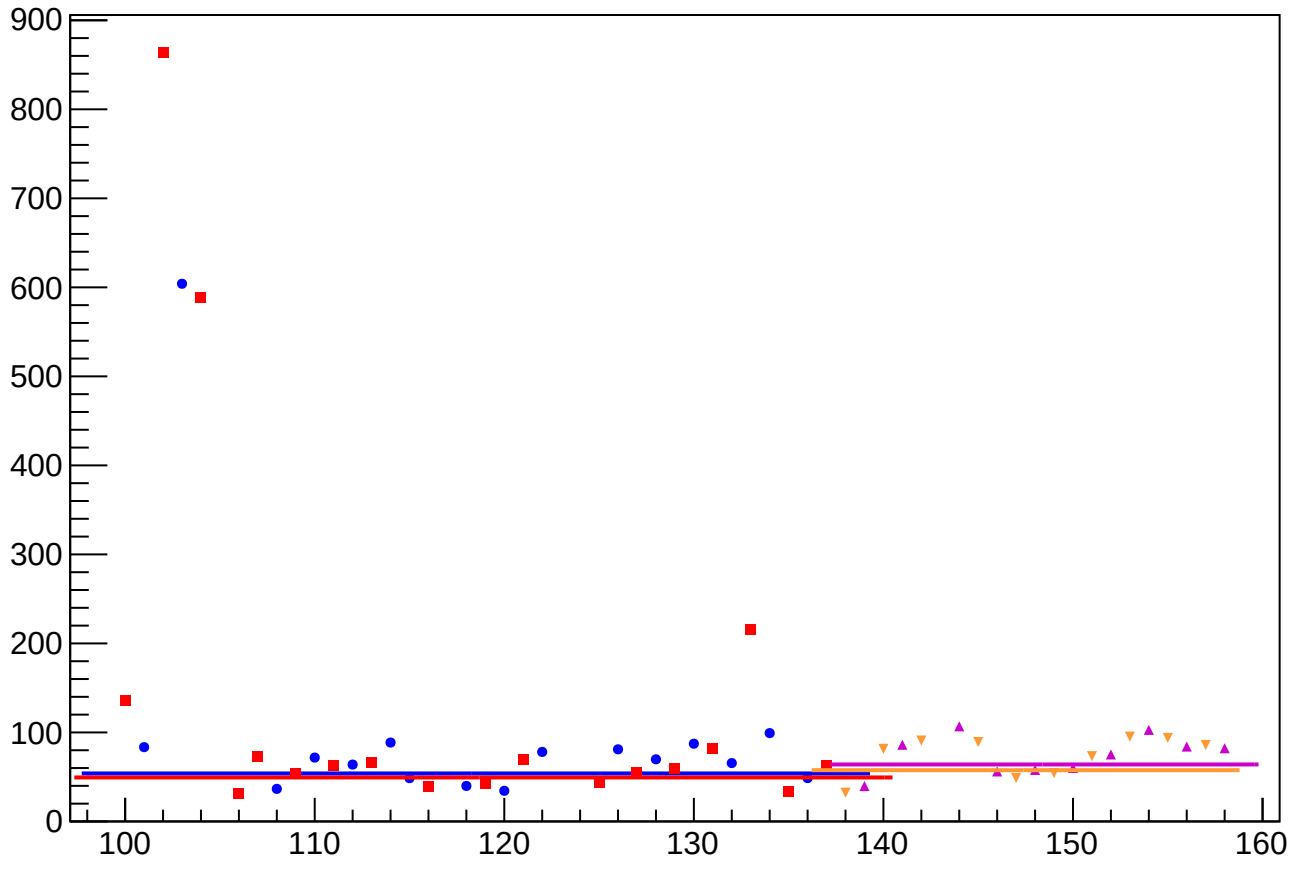
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.006+/-0.023 χ^2/NDF:9.5/9

+ sign 0.016+/-0.016 χ^2/NDF: 40.6/25

All: 0.007+/-0.011 χ^2/NDF: 64.5/53

- sign -0.001+/-0.016 χ^2/NDF: 23.4/27



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 57.594+/-0.016 χ^2/NDF:2023377.0/9

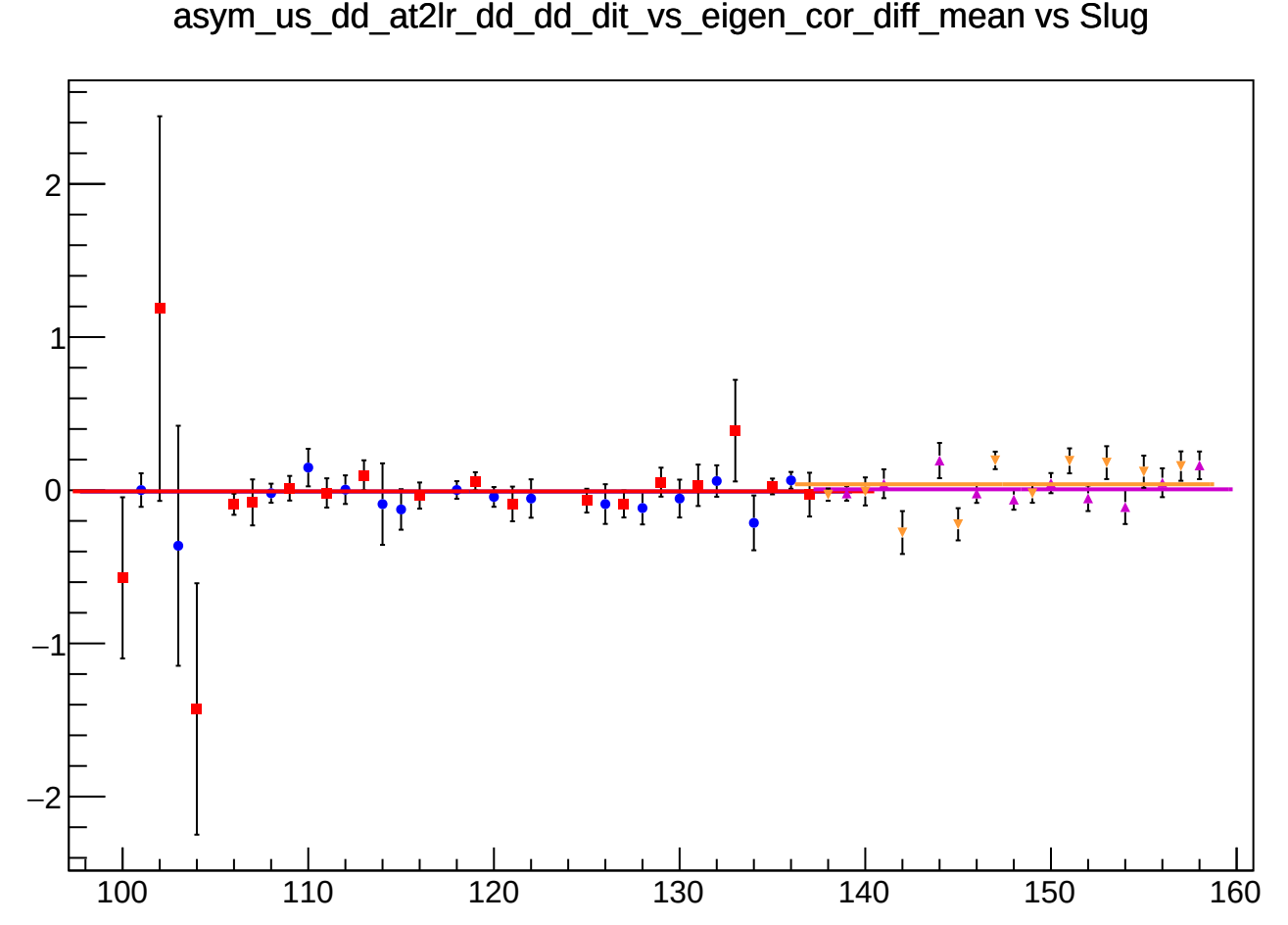
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 64.027+/-0.017 χ^2/NDF:1416271.7/9

+ sign 55.770+/-0.012 χ^2/NDF: 4263064.6/25

All: 56.046+/-0.008 χ^2/NDF: 9106144.8/53

- sign 56.316+/-0.011 χ^2/NDF: 4841947.9/27



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.039+/-0.023 χ^2/NDF:30.2/9

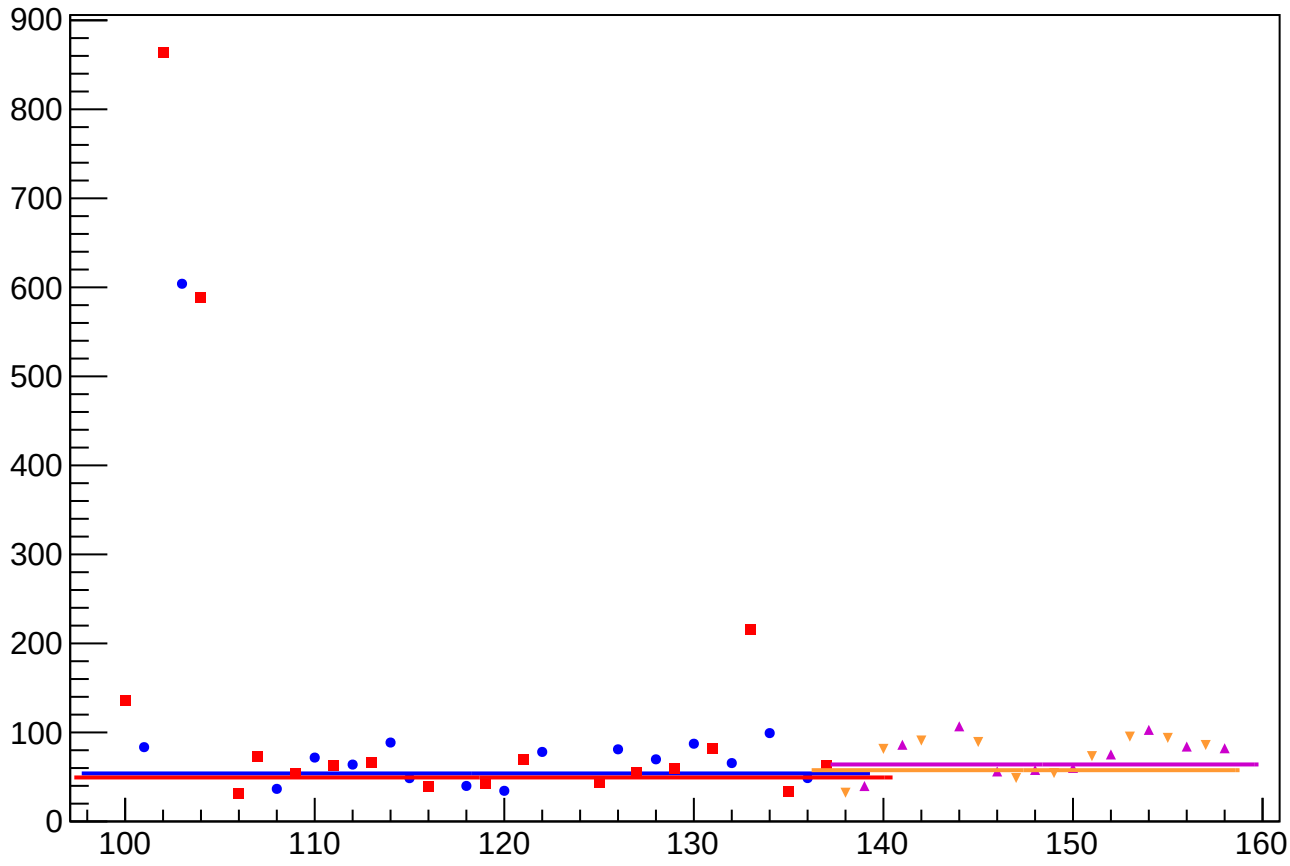
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.006+/-0.023 χ^2/NDF:9.5/9

+ sign 0.016+/-0.016 χ^2/NDF: 40.6/25

All: 0.007+/-0.011 χ^2/NDF: 64.5/53

- sign -0.001+/-0.016 χ^2/NDF: 23.4/27



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 57.594+/-0.016 χ^2/NDF:2023377.0/9

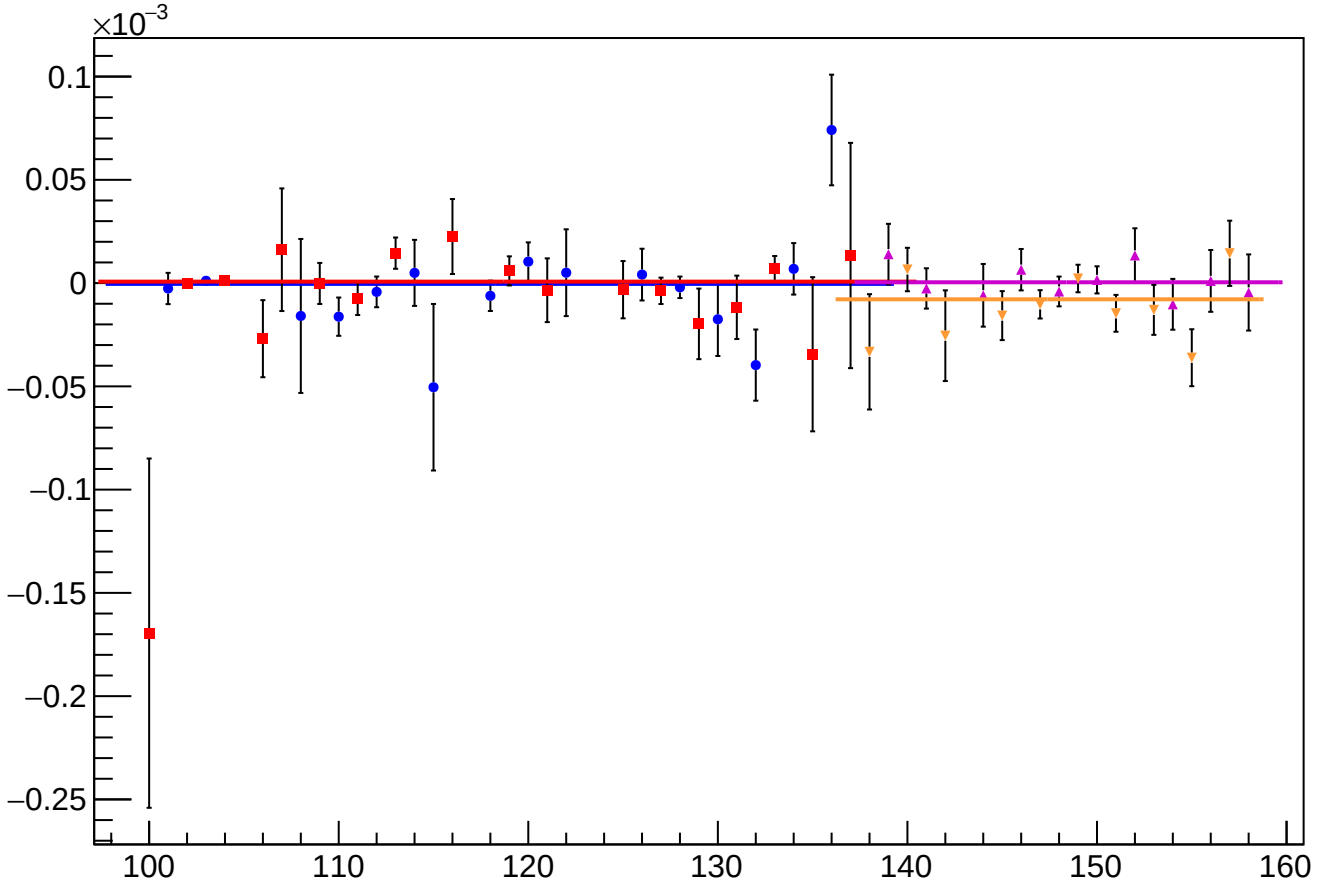
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 64.027+/-0.017 χ^2/NDF:1416271.7/9

+ sign 55.770+/-0.012 χ^2/NDF: 4263064.6/25

All: 56.046+/-0.008 χ^2/NDF: 9106144.8/53

- sign 56.316+/-0.011 χ^2/NDF: 4841947.9/27



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.2/9

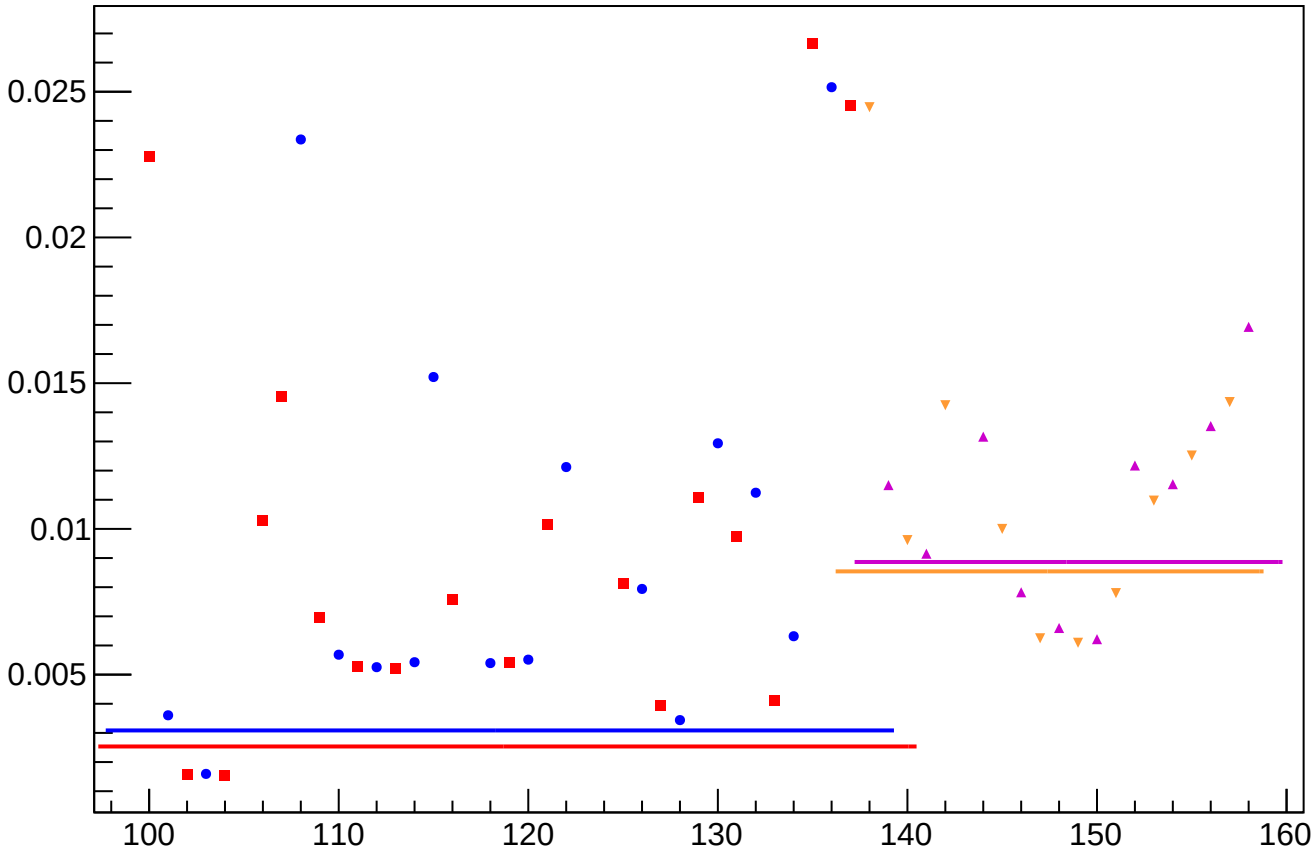
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/17

Left In: 0.000+/-0.000 χ^2/NDF:3.7/9

+ sign -0.000+/-0.000 χ^2/NDF: 39.4/25

All: -0.000+/-0.000 χ^2/NDF: 62.7/53

- sign 0.000+/-0.000 χ^2/NDF: 21.6/27



Right In: 0.003+/-0.000 χ^2/NDF: 5779108.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:1861111.6/9

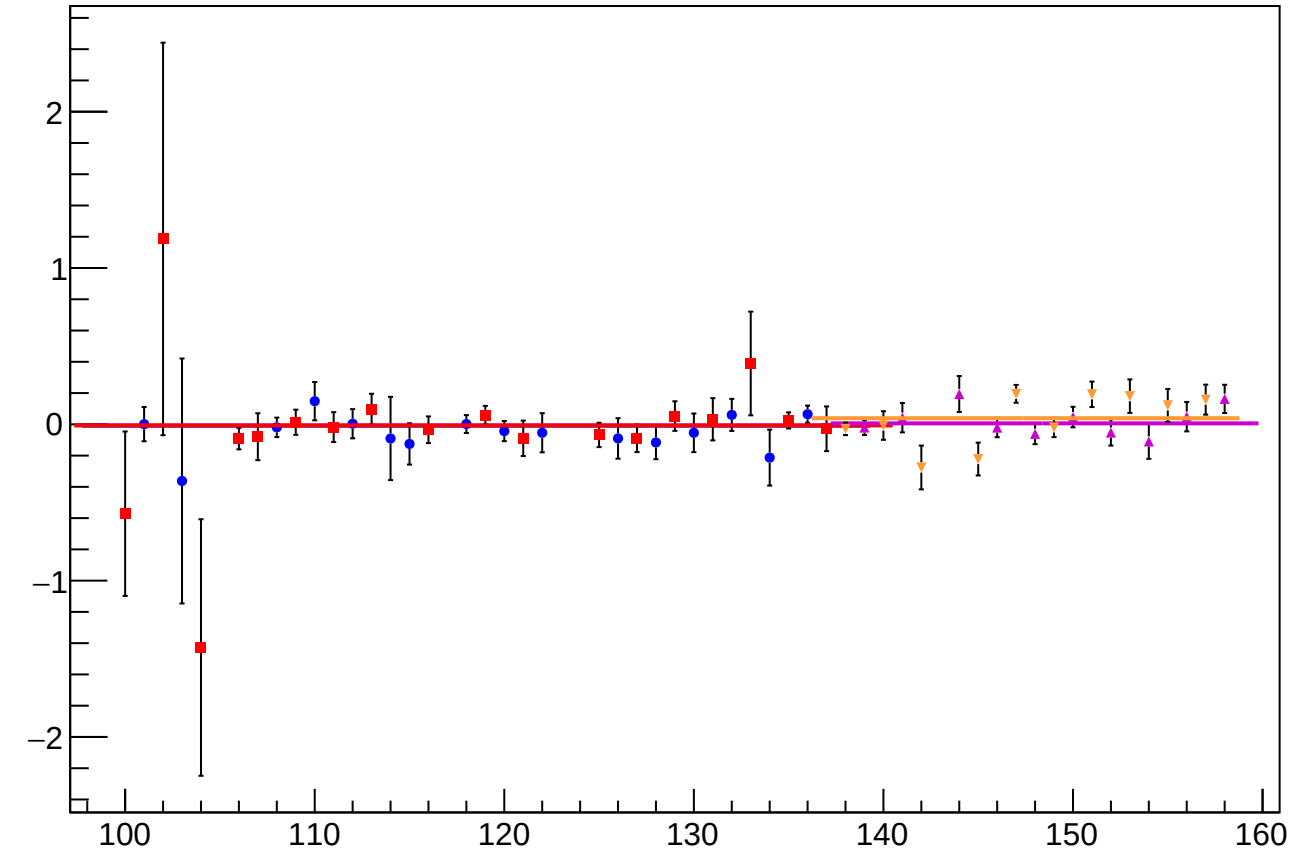
Right Out: 0.003+/-0.000 χ^2/NDF: 6237059.6/17

Left In: 0.009+/-0.000 χ^2/NDF:1568430.7/9

+ sign 0.004+/-0.000 χ^2/NDF: 12047524.9/25

All: 0.004+/-0.000 χ^2/NDF: 26612539.8/53

- sign 0.003+/-0.000 χ^2/NDF: 14204103.2/27



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.039+/-0.023 χ^2/NDF:30.2/9

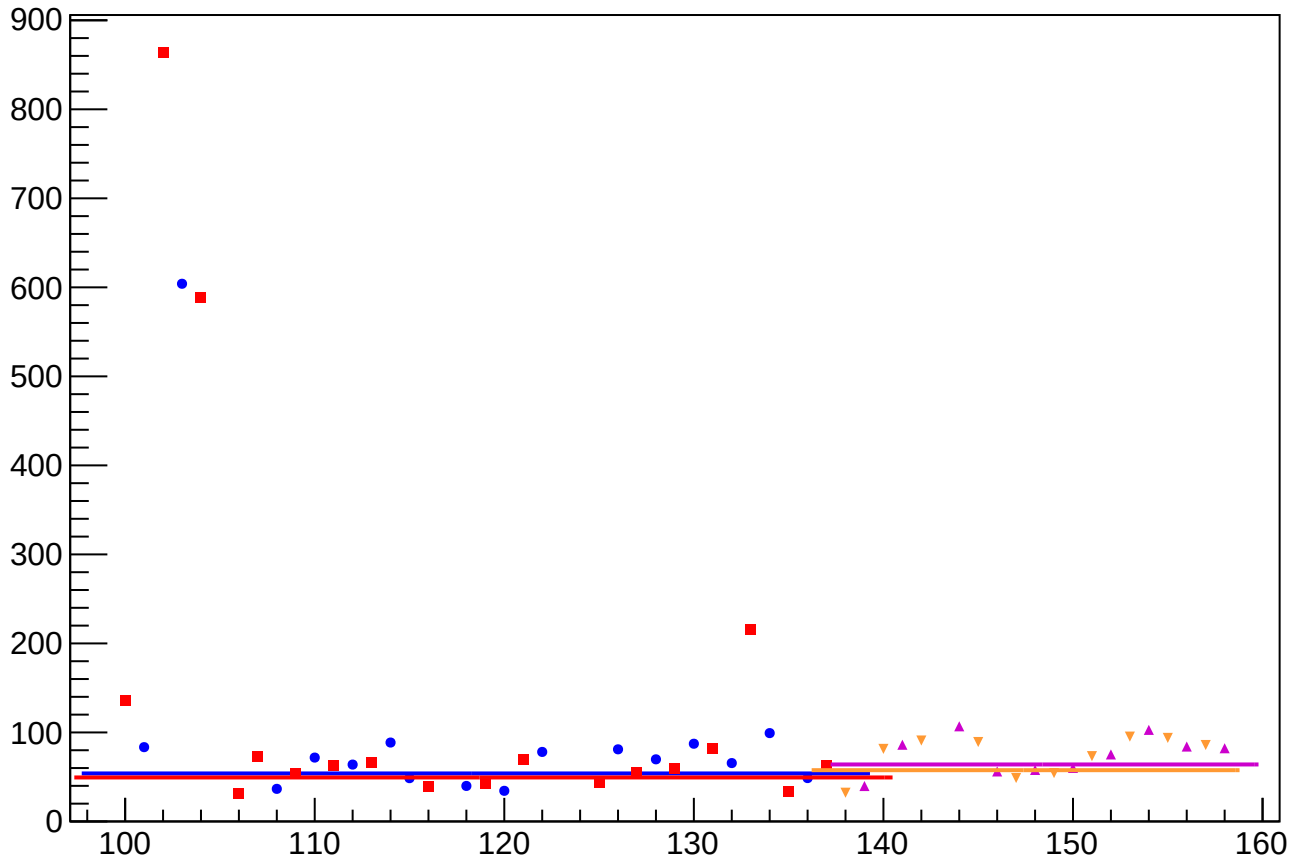
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.006+/-0.023 χ^2/NDF:9.5/9

+ sign 0.016+/-0.016 χ^2/NDF: 40.6/25

All: 0.007+/-0.011 χ^2/NDF: 64.5/53

- sign -0.001+/-0.016 χ^2/NDF: 23.4/27



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 57.599+/-0.016 χ^2/NDF:2022697.3/9

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

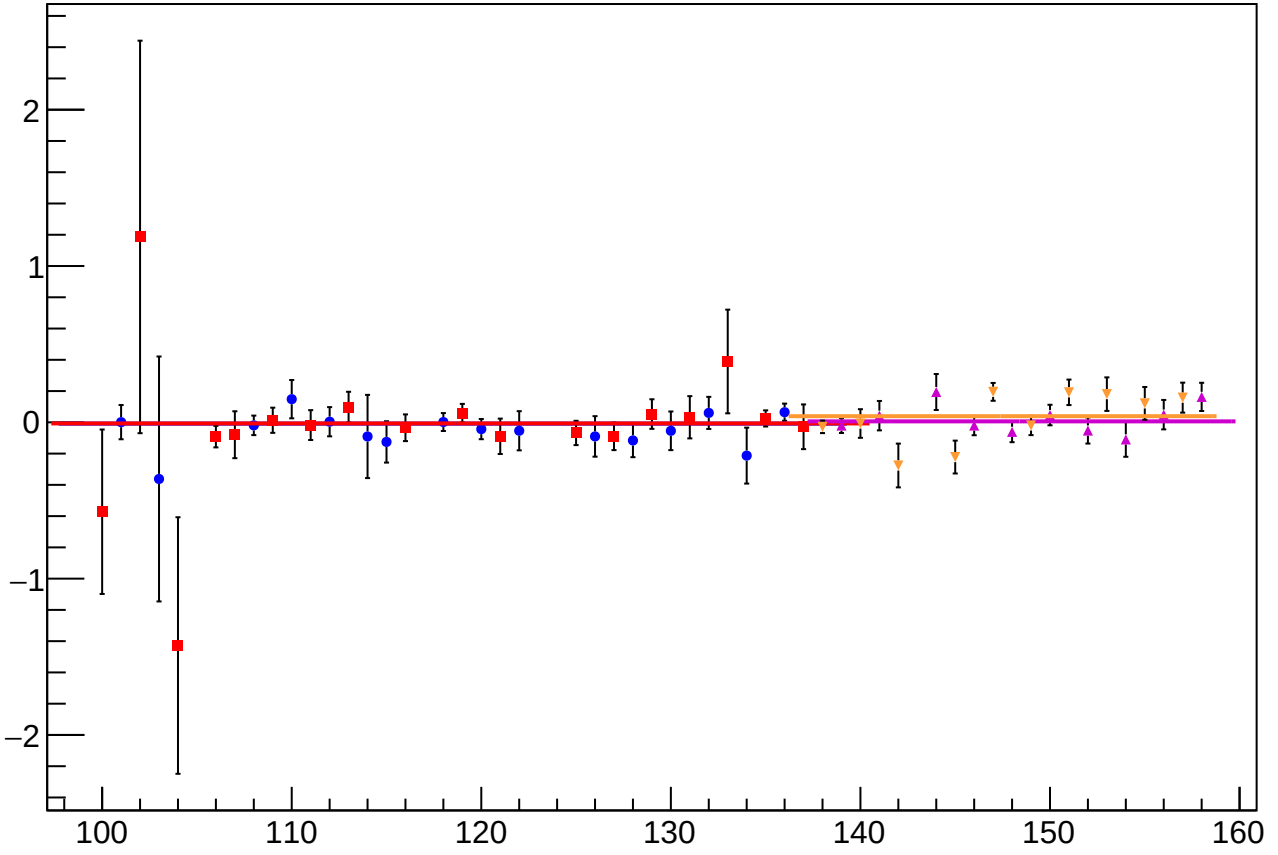
Left In: 64.027+/-0.017 χ^2/NDF:1416457.6/9

+ sign 55.774+/-0.012 χ^2/NDF: 4261995.4/25

All: 56.048+/-0.008 χ^2/NDF: 9104819.4/53

- sign 56.317+/-0.011 χ^2/NDF: 4841703.0/27

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.039+/-0.023 χ^2/NDF:30.2/9

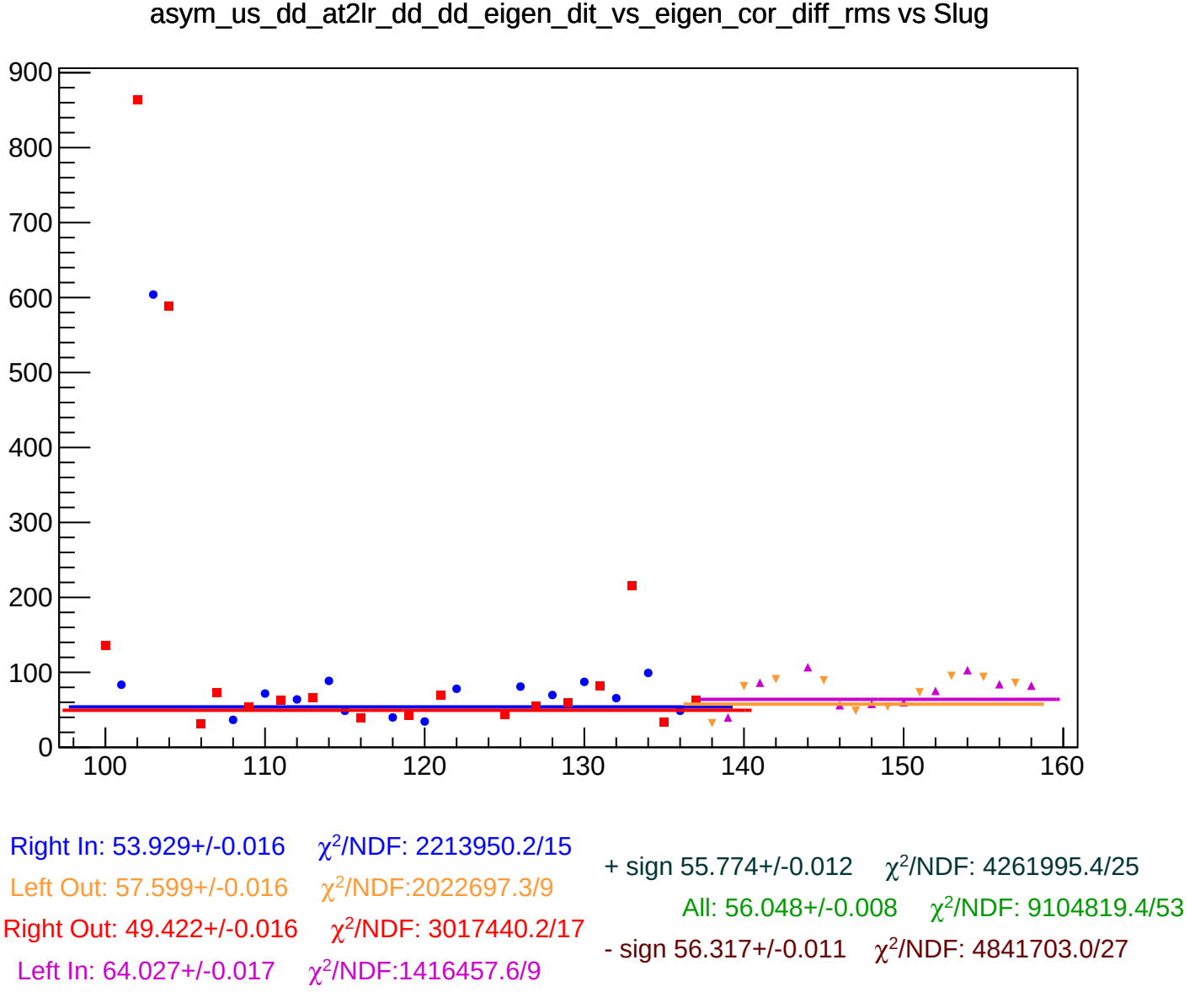
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

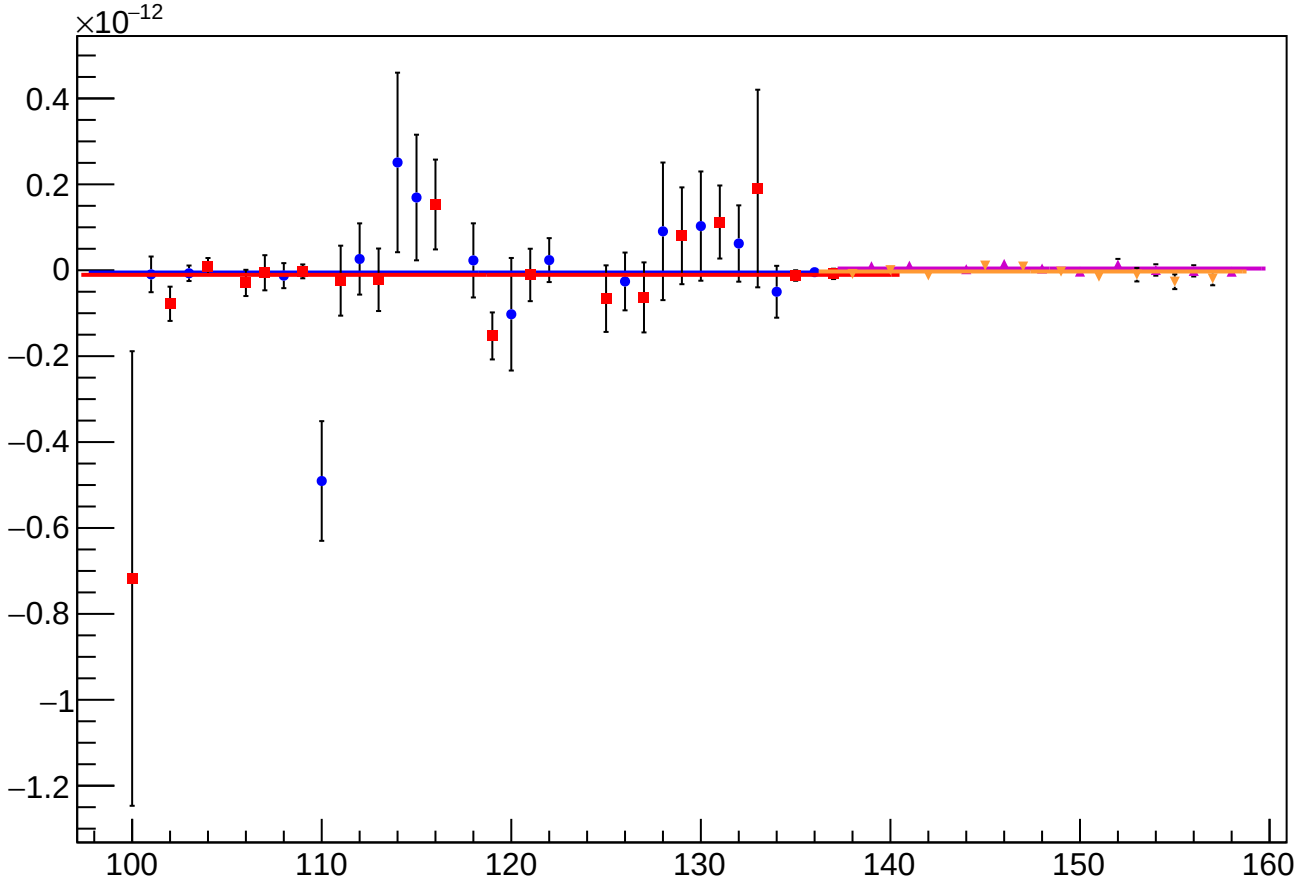
Left In: 0.006+/-0.023 χ^2/NDF:9.5/9

+ sign 0.016+/-0.016 χ^2/NDF: 40.6/25

All: 0.007+/-0.011 χ^2/NDF: 64.5/53

- sign -0.001+/-0.016 χ^2/NDF: 23.4/27


asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
900
800
700
600
500
400
300
200
100
0
100
110
120
130
140
150
160
Right In: 53.929+/-0.016 χ²/NDF: 2213950.2/15
Left Out: 57.599+/-0.016 χ²/NDF:2022697.3/9
Right Out: 49.422+/-0.016 χ²/NDF: 3017440.2/17
Left In: 64.027+/-0.017 χ²/NDF:1416457.6/9
+ sign 55.774+/-0.012 χ²/NDF: 4261995.4/25
All: 56.048+/-0.008 χ²/NDF: 9104819.4/53
- sign 56.317+/-0.011 χ²/NDF: 4841703.0/27



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.9/9

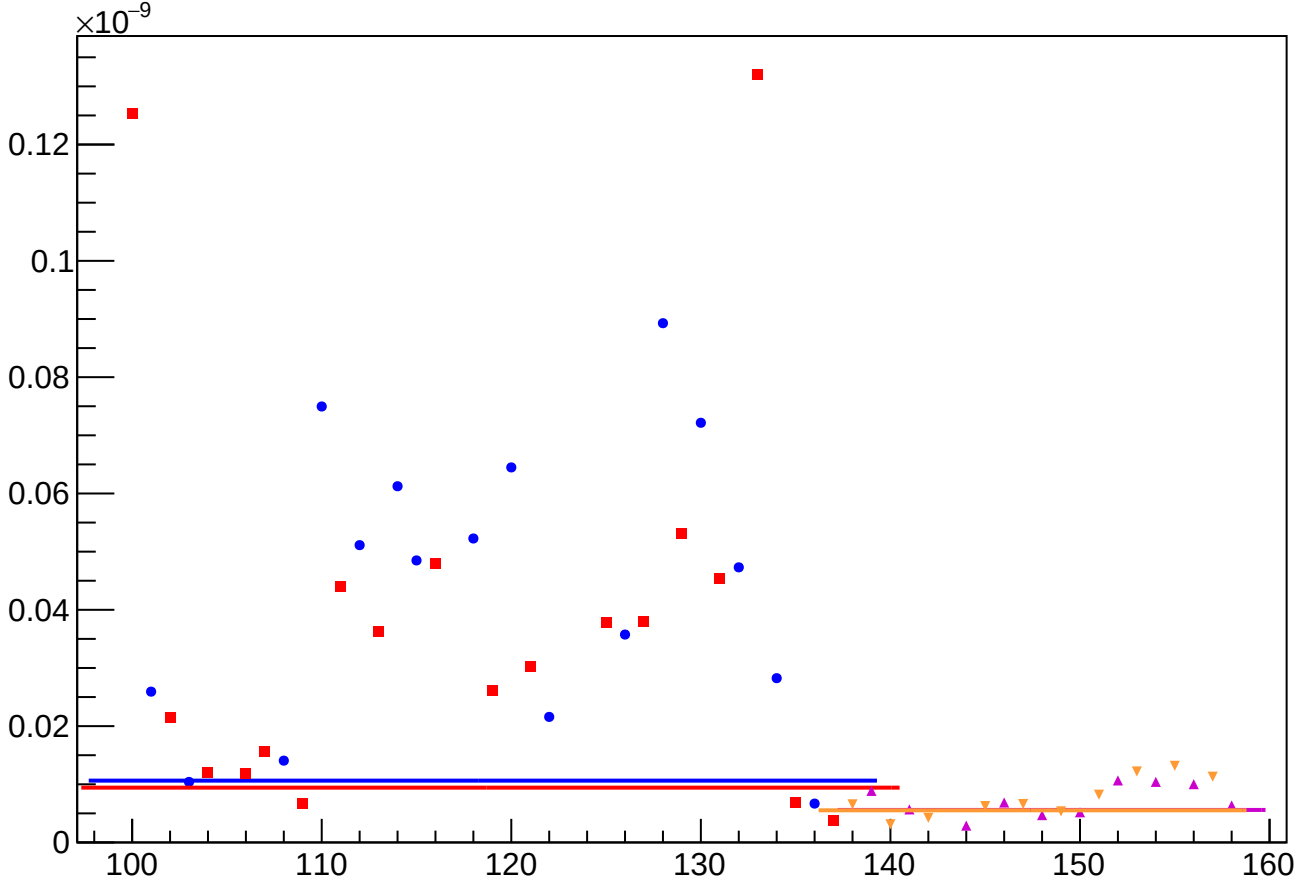
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: 0.000+/-0.000 χ^2/NDF:5.3/9

+ sign -0.000+/-0.000 χ^2/NDF: 29.6/25

All: -0.000+/-0.000 χ^2/NDF: 61.7/53

- sign 0.000+/-0.000 χ^2/NDF: 29.8/27



Right In: 0.000+/-0.000 χ^2/NDF: 4557309.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1813844.0/9

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

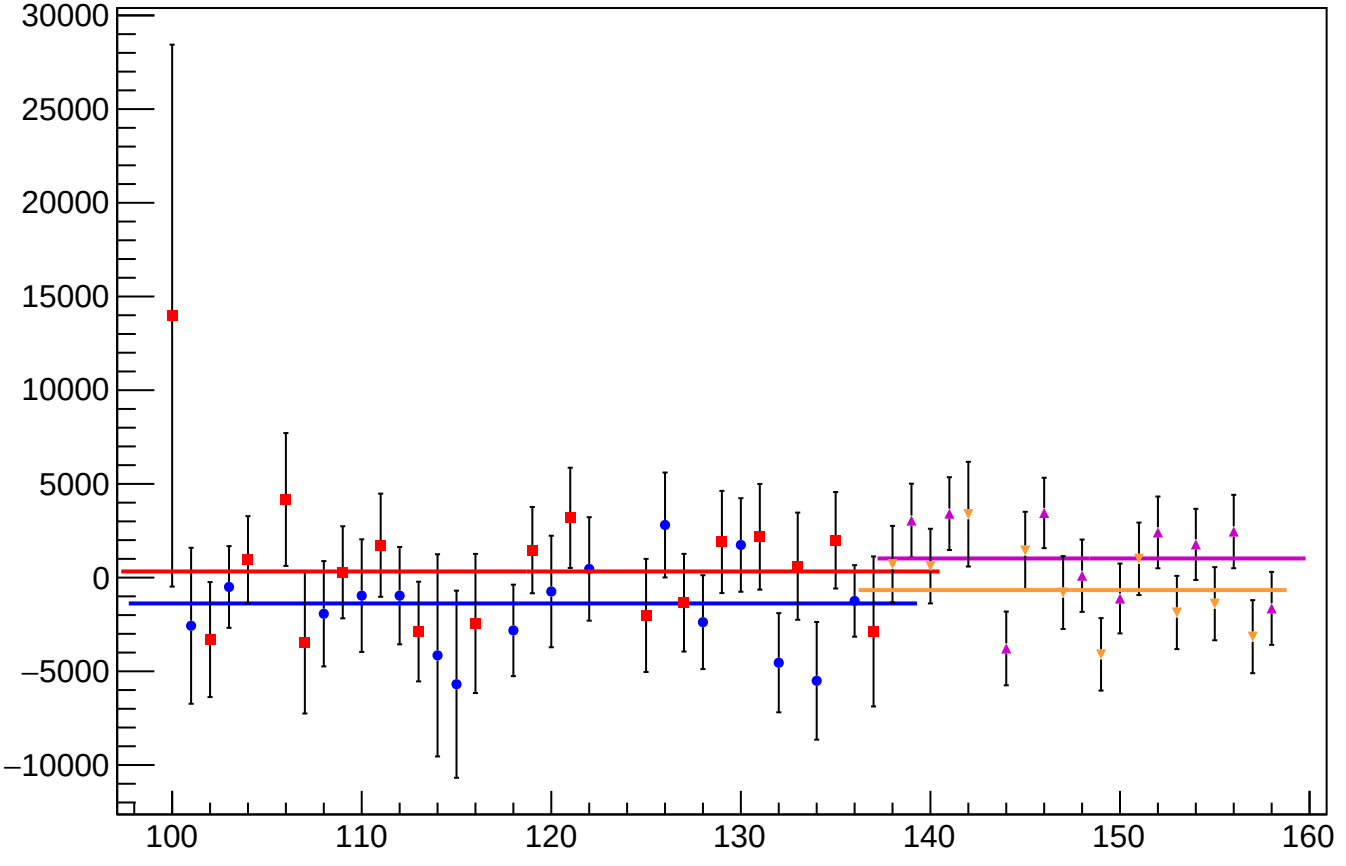
Left In: 0.000+/-0.000 χ^2/NDF:1661582.3/9

+ sign 0.000+/-0.000 χ^2/NDF: 7338037.8/25

All: 0.000+/-0.000 χ^2/NDF: 13640754.1/53

- sign 0.000+/-0.000 χ^2/NDF: 6301174.1/27

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.758+/-689.030 χ^2/NDF: 9.3/15

Left Out: -665.195+/-640.220 χ^2/NDF:10.0/9

Right Out: 328.770+/-683.888 χ^2/NDF: 11.0/17

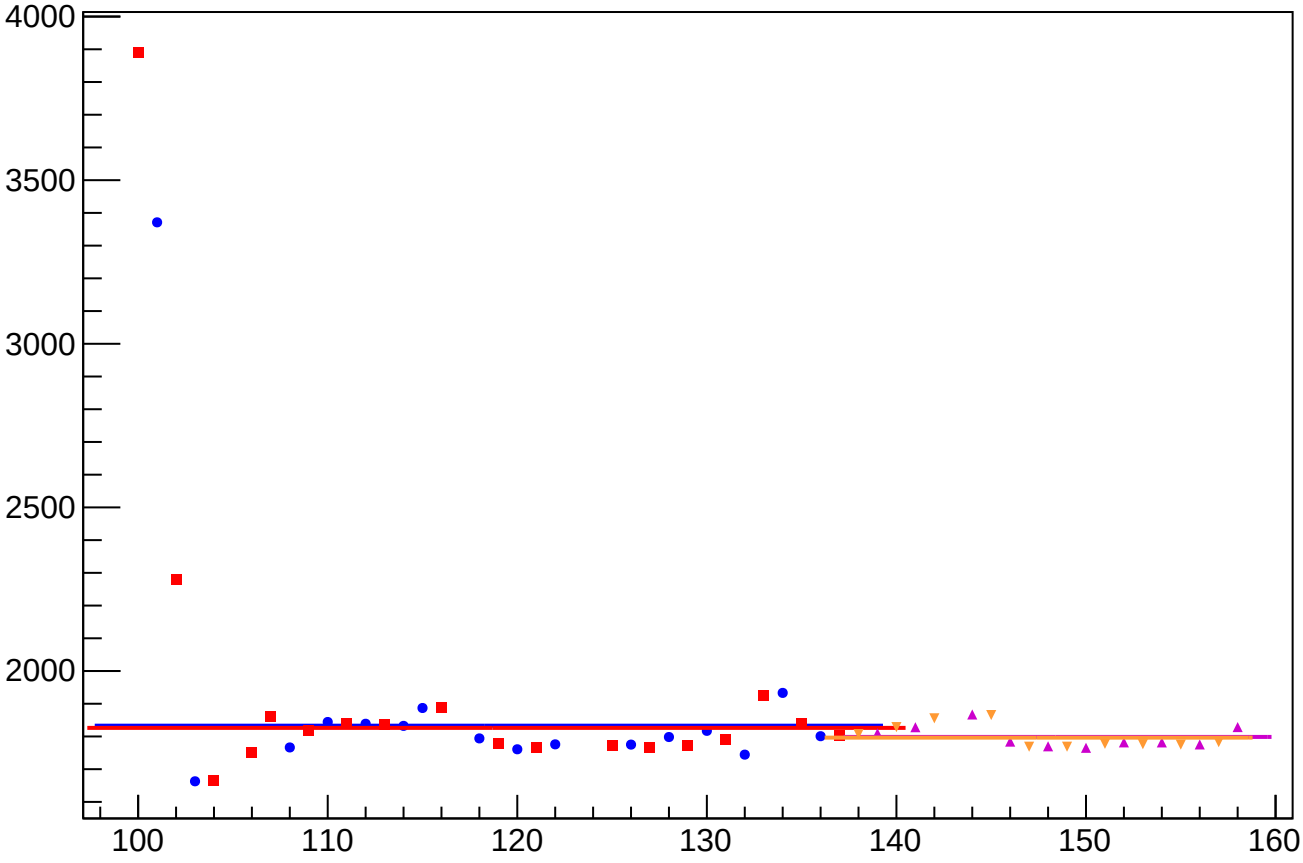
Left In: 1022.130+/-608.995 χ^2/NDF:14.8/9

+ sign -995.810+/-469.011 χ^2/NDF: 19.9/25

All: -113.860+/-326.503 χ^2/NDF: 53.2/53

- sign 715.479+/-454.807 χ^2/NDF: 26.5/27

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1796.420+/-0.453 χ^2/NDF:5254.8/9

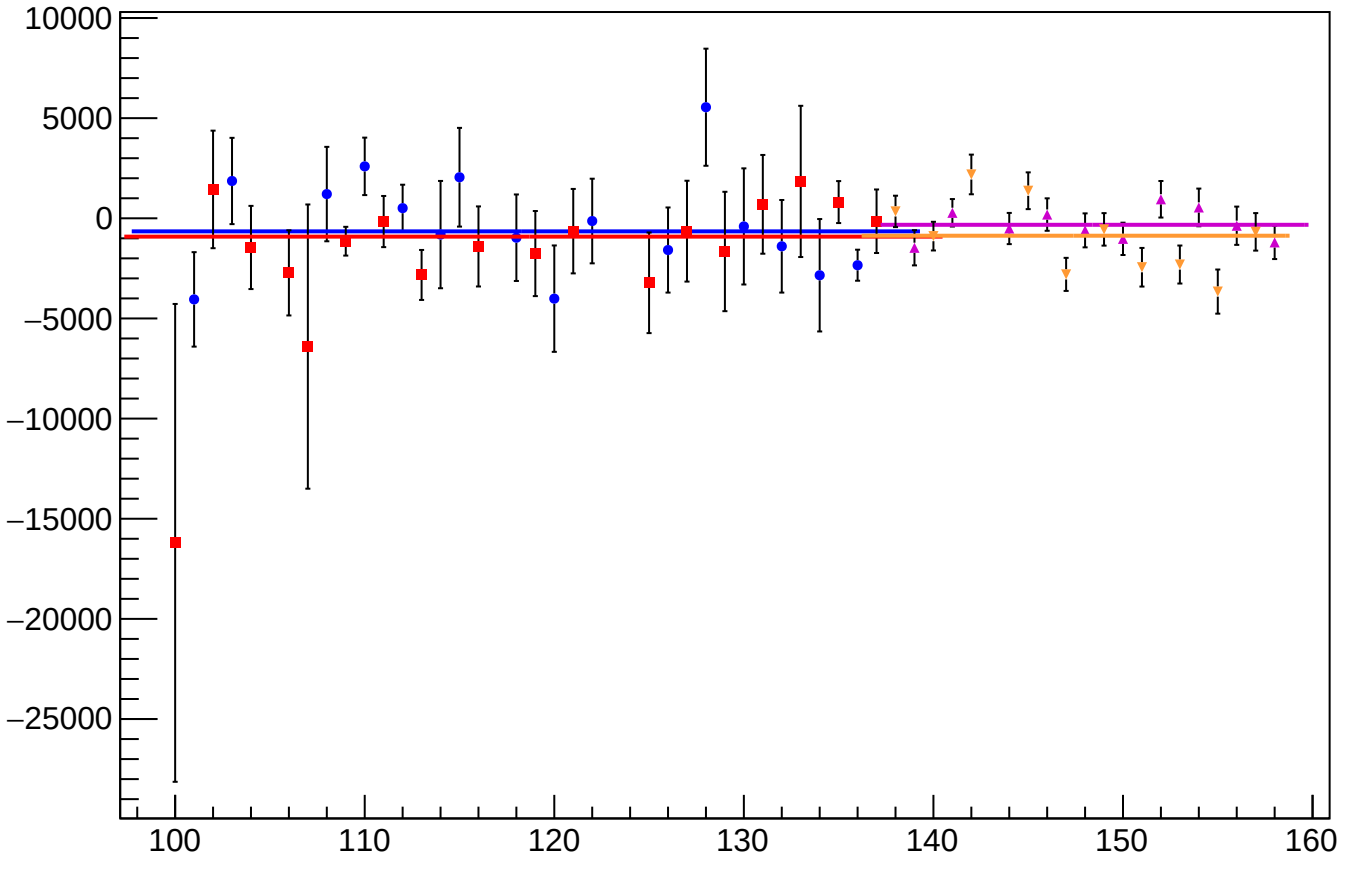
Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1798.588+/-0.431 χ^2/NDF:5214.1/9

+ sign 1813.344+/-0.332 χ^2/NDF: 303710.6/25

All: 1812.035+/-0.231 χ^2/NDF: 413780.9/53

- sign 1810.804+/-0.322 χ^2/NDF: 110040.1/27



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: -869.506+/-278.163 χ^2/NDF:35.0/9

Right Out: -914.717+/-393.421 χ^2/NDF: 11.5/17

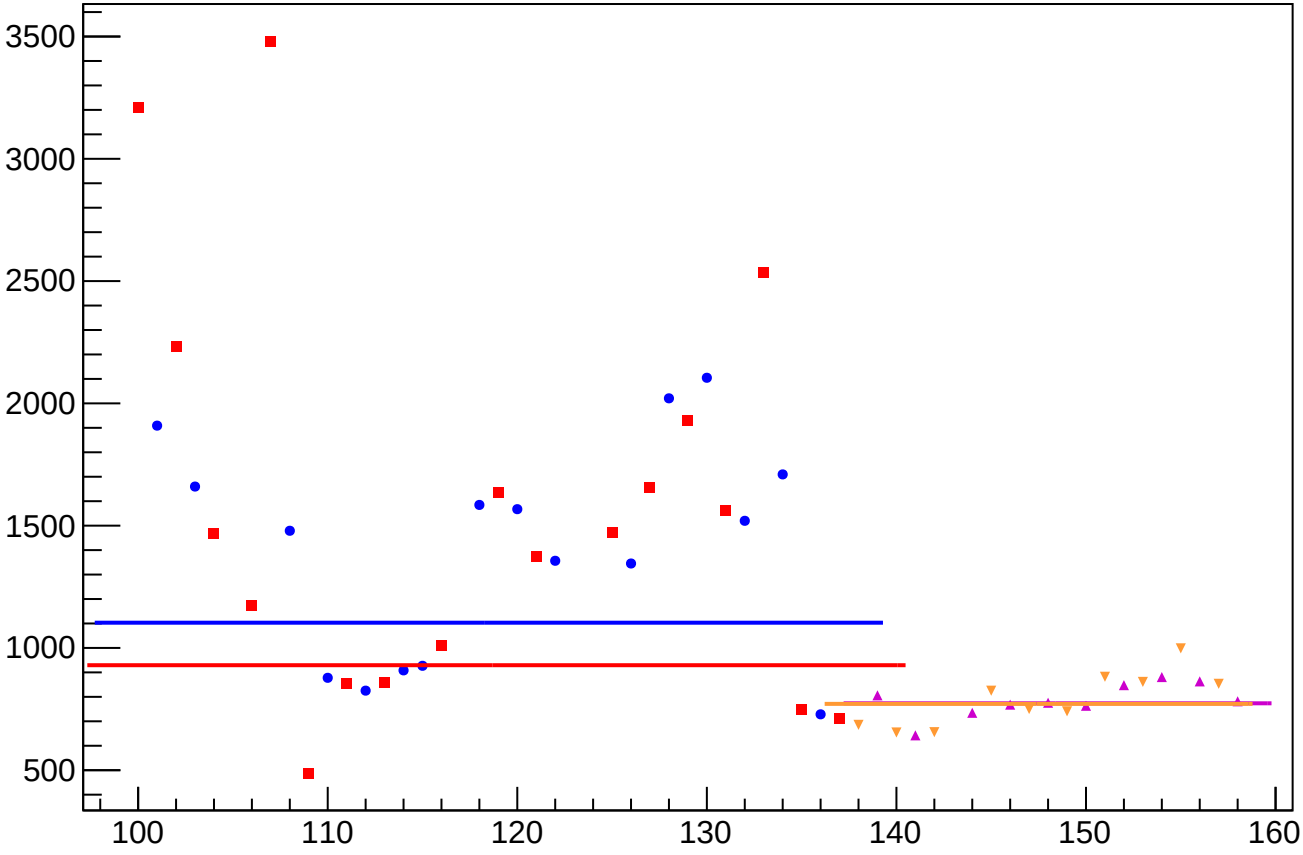
Left In: -324.644+/-263.680 χ^2/NDF:7.7/9

+ sign -807.812+/-235.443 χ^2/NDF: 58.4/25

All: -646.852+/-160.368 χ^2/NDF: 80.0/53

- sign -507.545+/-219.035 χ^2/NDF: 20.8/27

asym_us_dd_atlr_dd_avg_reg_correction_rms vs Slug



Right In: 1103.183+/-0.313 χ^2/NDF: 1878176.1/15

Left Out: 771.273+/-0.197 χ^2/NDF:260289.9/9

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

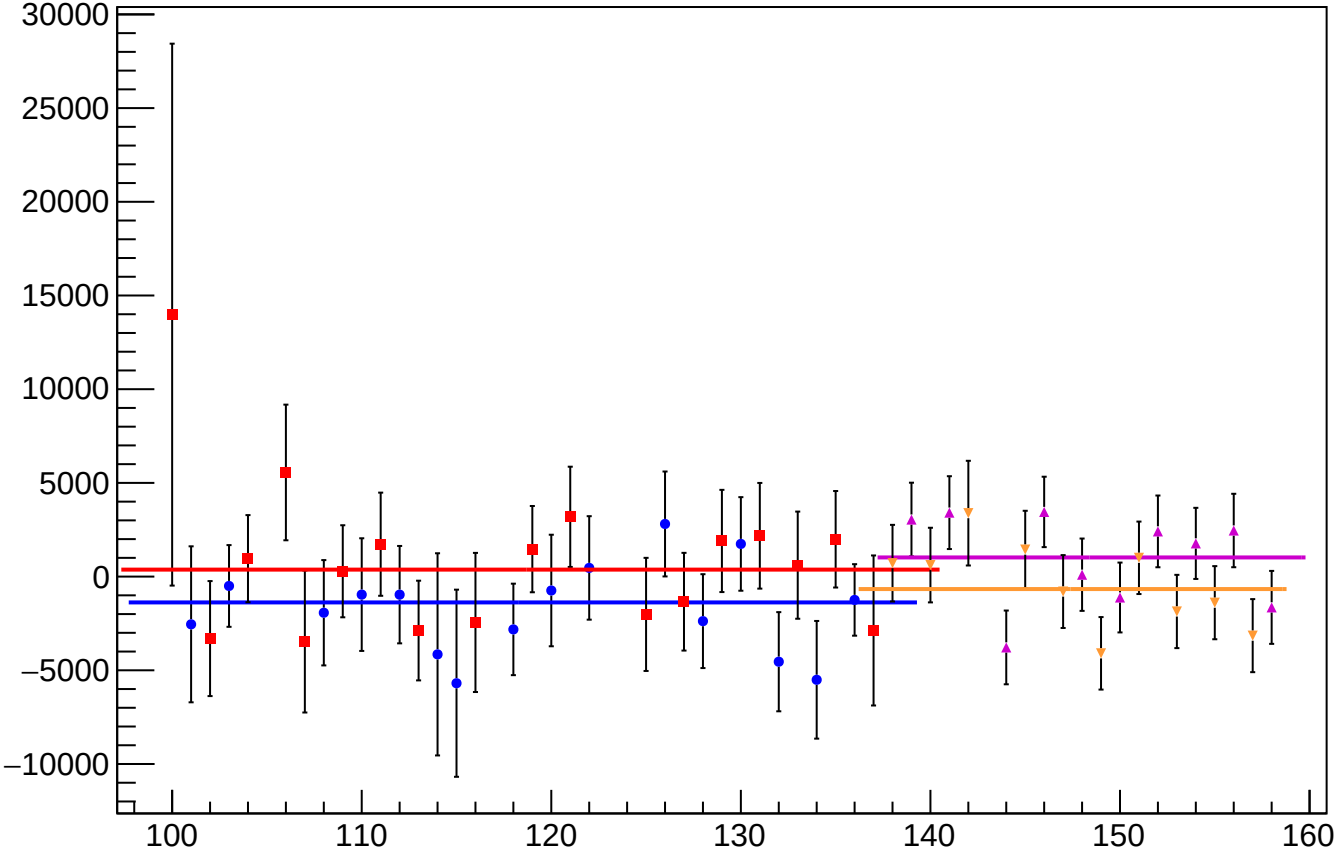
Left In: 773.605+/-0.186 χ^2/NDF:138128.3/9

\+ sign 865.393+/-0.166 χ^2/NDF: 2945952.5/25

All: 842.069+/-0.113 χ^2/NDF: 6391087.4/53

\- sign 821.882+/-0.155 χ^2/NDF: 3408518.9/27

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: -665.077+/-640.220 χ^2/NDF:10.0/9

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

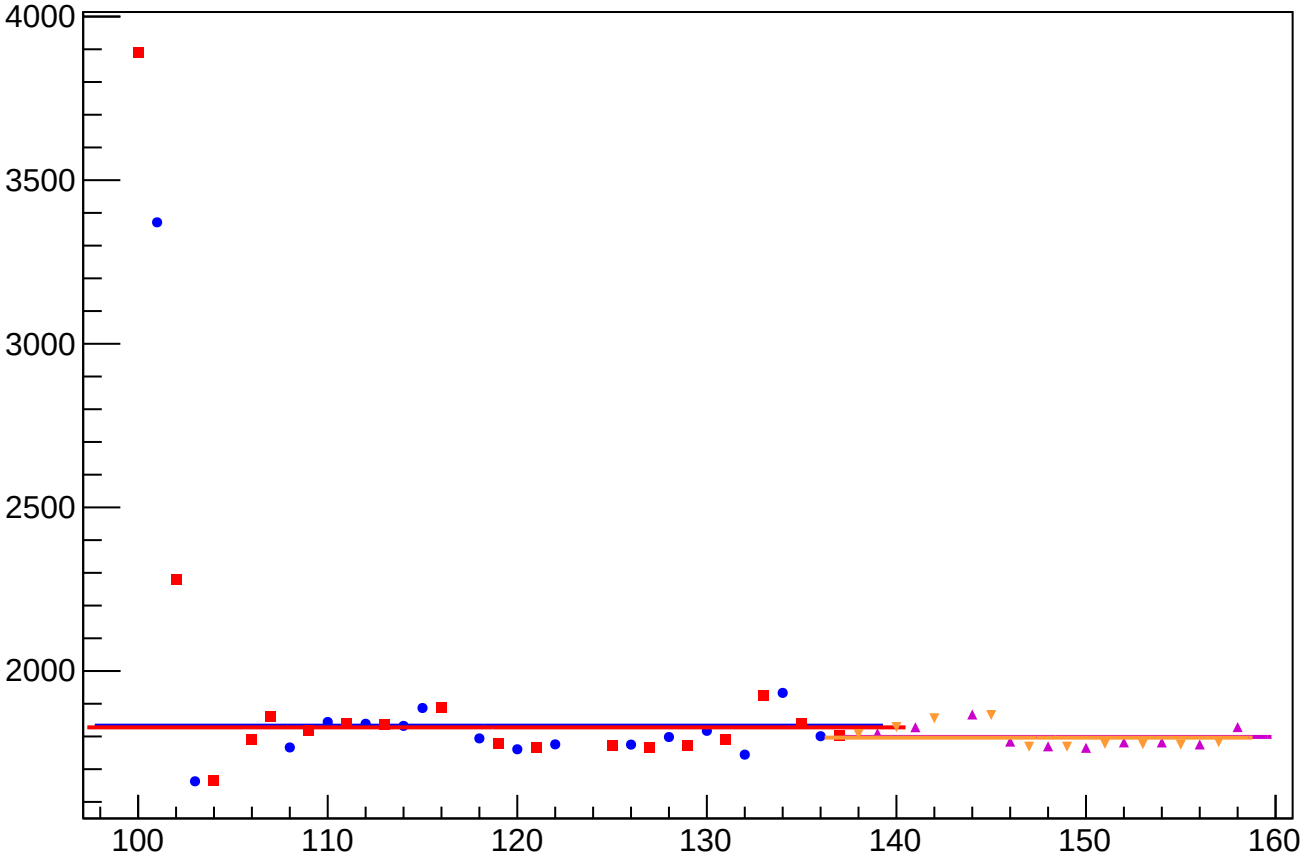
Left In: 1022.039+/-608.995 χ^2/NDF:14.8/9

+ sign -995.457+/-469.011 χ^2/NDF: 19.9/25

All: -103.905+/-326.560 χ^2/NDF: 54.2/53

- sign 735.028+/-454.960 χ^2/NDF: 27.3/27

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1796.420+/-0.453 χ^2/NDF:5254.8/9

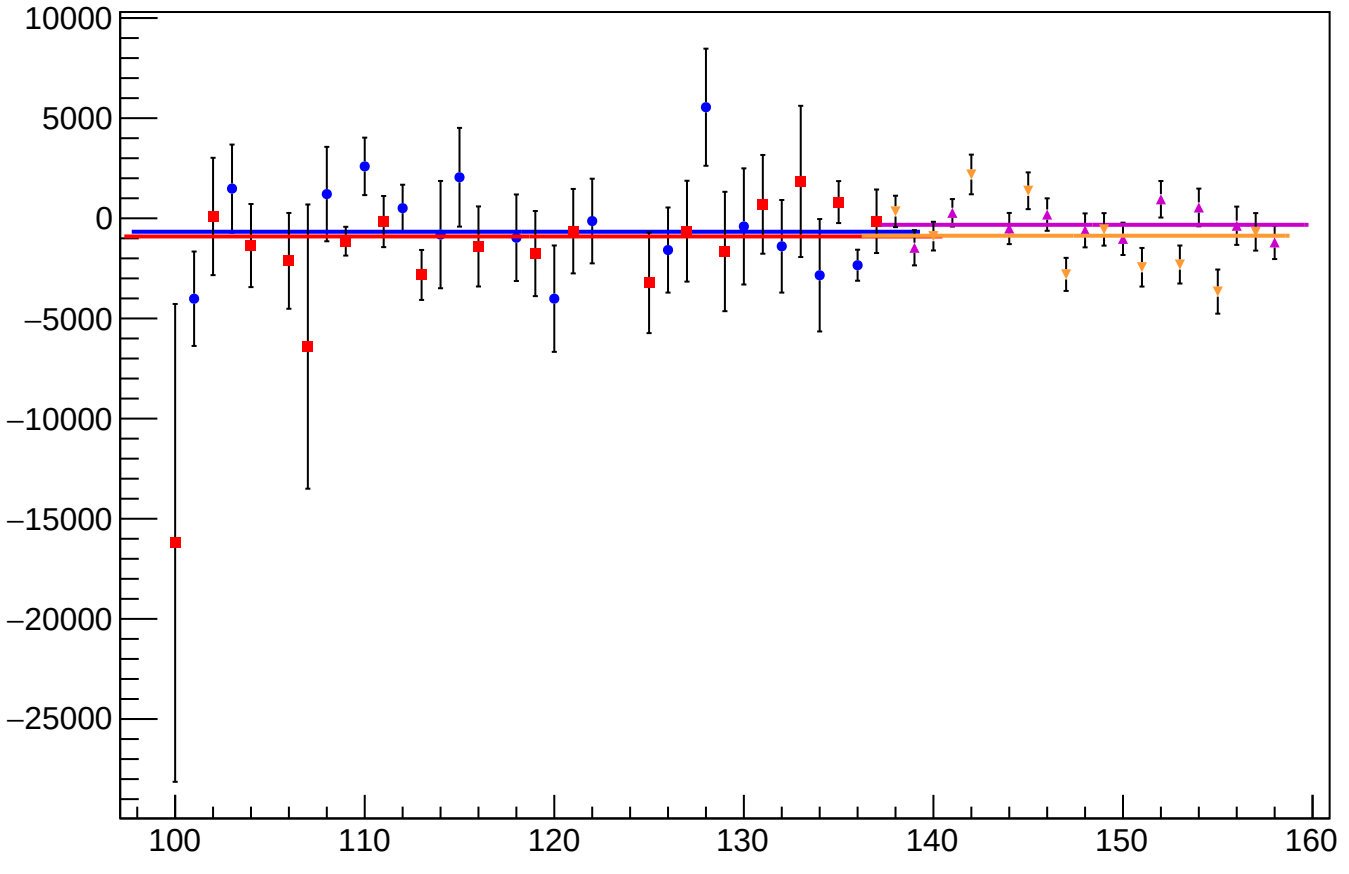
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1798.588+/-0.431 χ^2/NDF:5214.1/9

+ sign 1813.344+/-0.332 χ^2/NDF: 303712.4/25

All: 1812.389+/-0.231 χ^2/NDF: 413244.3/53

- sign 1811.490+/-0.322 χ^2/NDF: 109515.8/27



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -869.514+/-278.165 χ^2/NDF:35.0/9

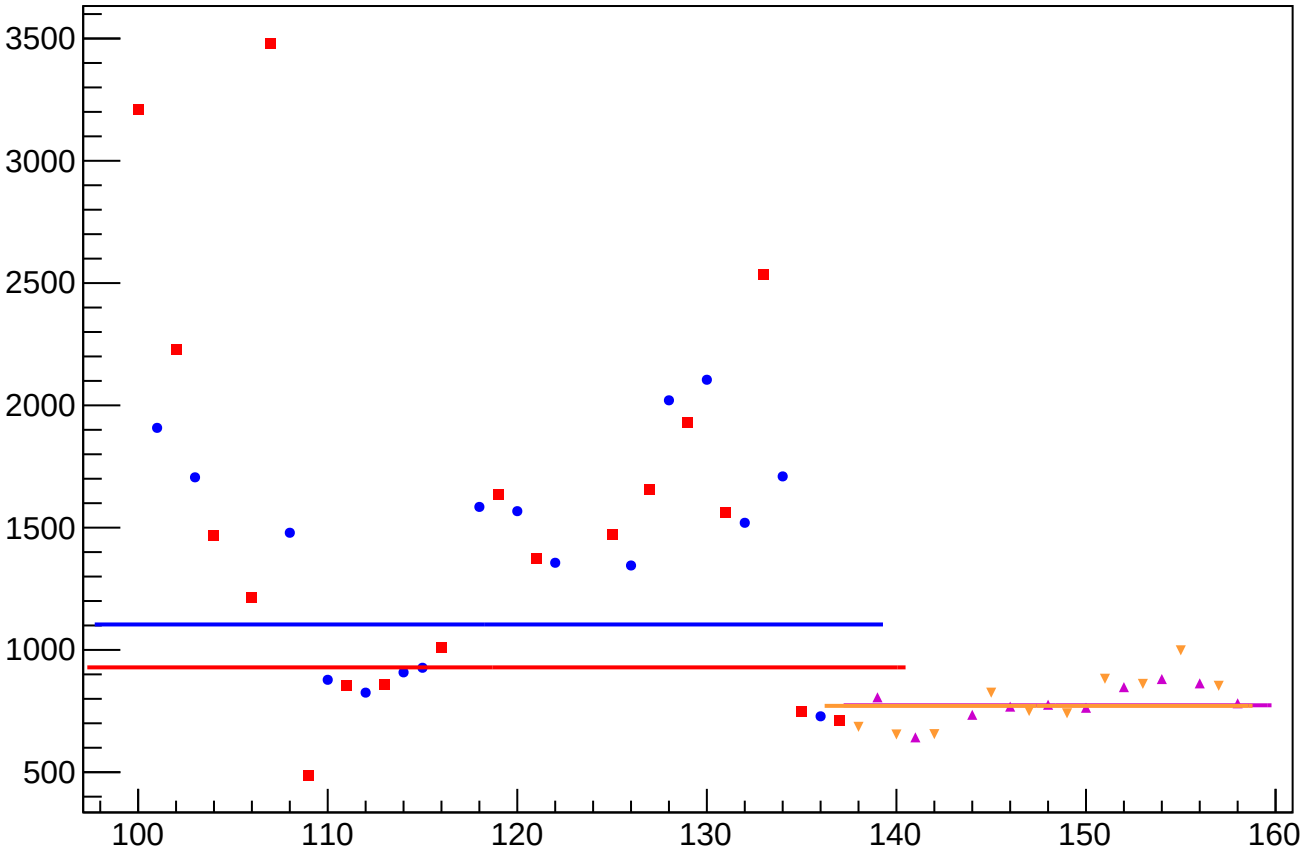
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -324.621+/-263.681 χ^2/NDF:7.7/9

+ sign -813.158+/-235.500 χ^2/NDF: 57.9/25

All: -647.516+/-160.480 χ^2/NDF: 78.5/53

- sign -503.911+/-219.275 χ^2/NDF: 19.7/27



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 771.277+/-0.197 χ^2/NDF:260256.4/9

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

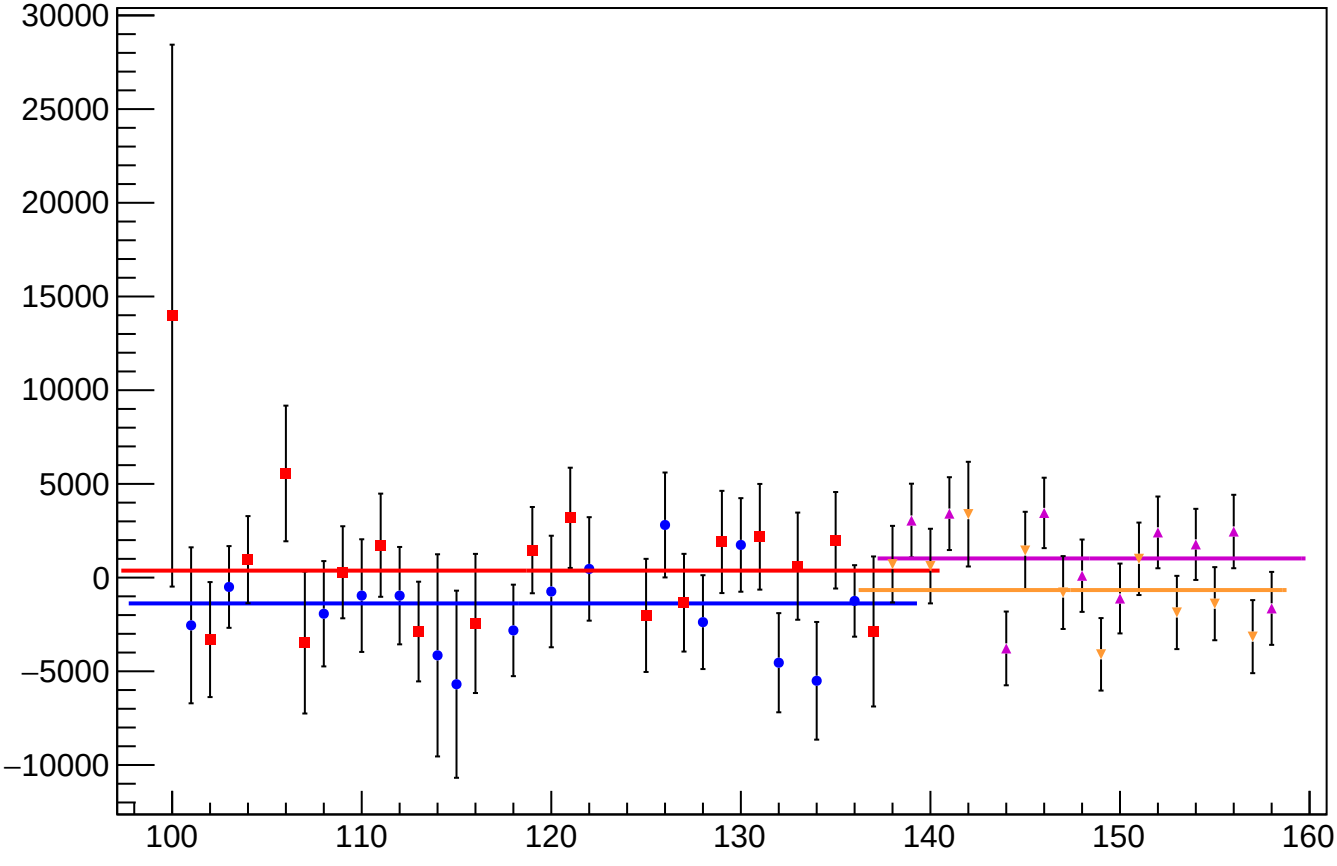
Left In: 773.607+/-0.186 χ^2/NDF:138178.3/9

+ sign 865.545+/-0.167 χ^2/NDF: 2965705.7/25

All: 841.913+/-0.113 χ^2/NDF: 6409096.0/53

- sign 821.424+/-0.155 χ^2/NDF: 3405790.1/27

eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: -665.077+/-640.220 χ^2/NDF:10.0/9

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

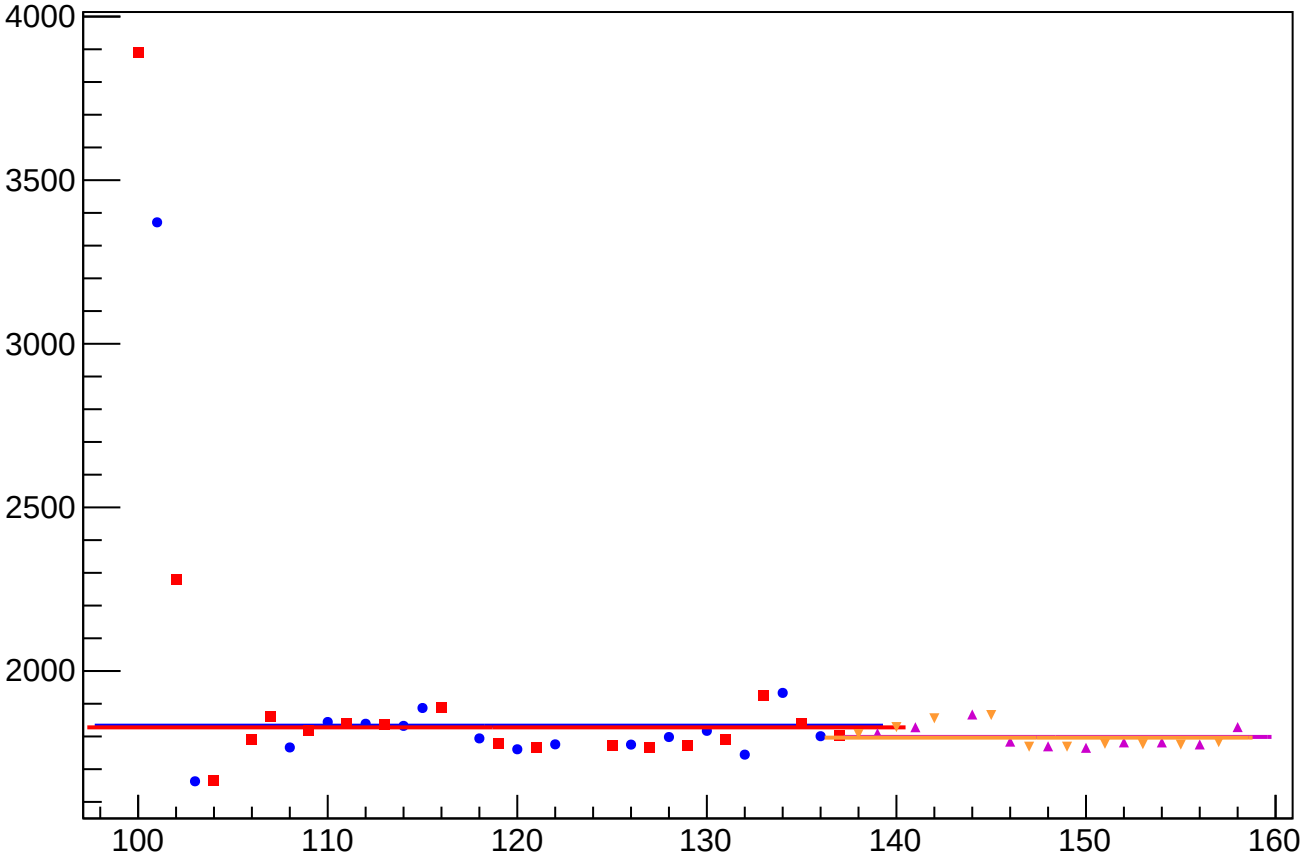
Left In: 1022.039+/-608.995 χ^2/NDF:14.8/9

+ sign -995.457+/-469.011 χ^2/NDF: 19.9/25

All: -103.905+/-326.560 χ^2/NDF: 54.2/53

- sign 735.028+/-454.960 χ^2/NDF: 27.3/27

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1796.420+/-0.453 χ^2/NDF:5254.8/9

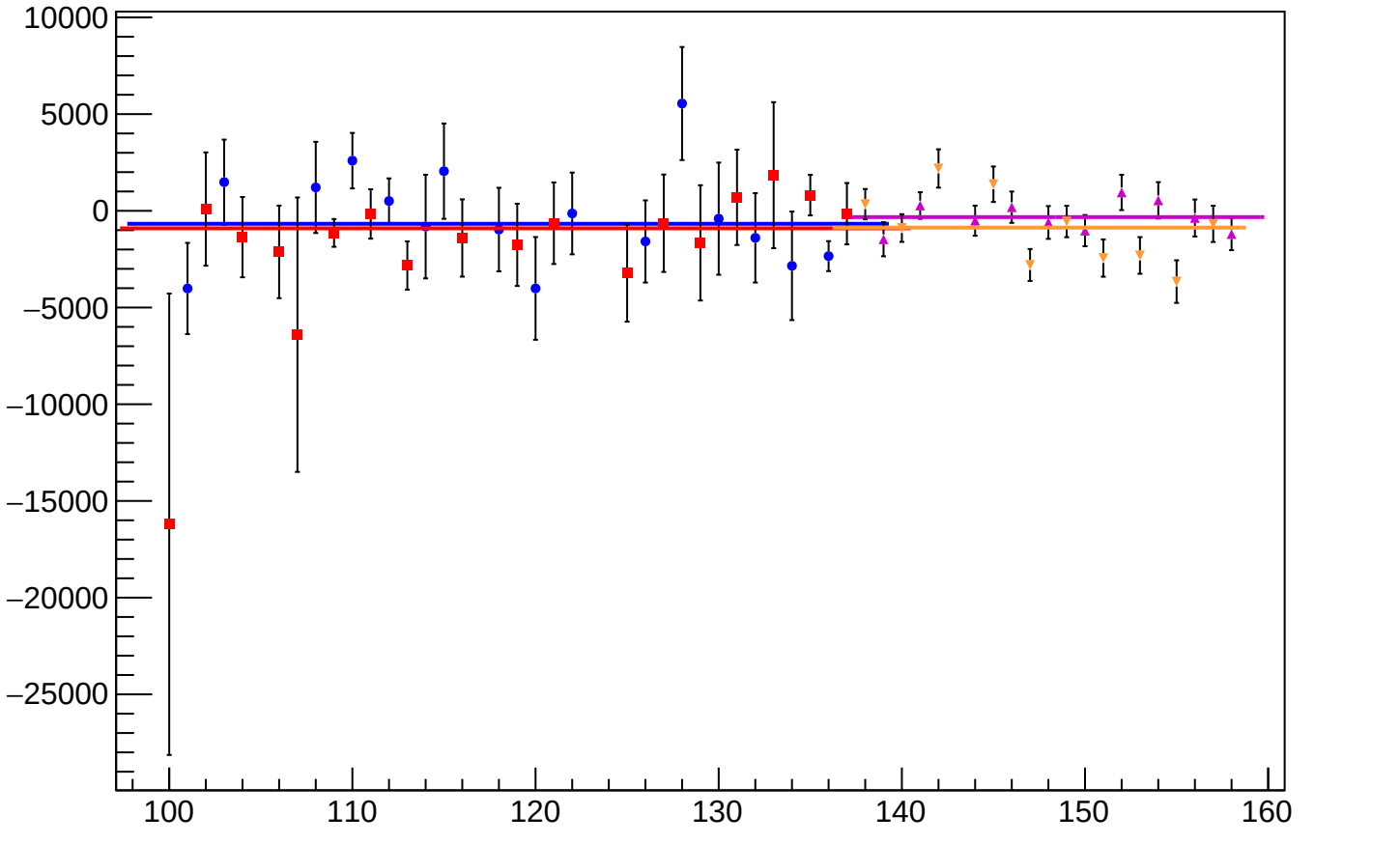
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1798.588+/-0.431 χ^2/NDF:5214.1/9

+ sign 1813.344+/-0.332 χ^2/NDF: 303712.4/25

All: 1812.389+/-0.231 χ^2/NDF: 413244.3/53

- sign 1811.490+/-0.322 χ^2/NDF: 109515.8/27



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -869.514+/-278.165 χ^2/NDF:35.0/9

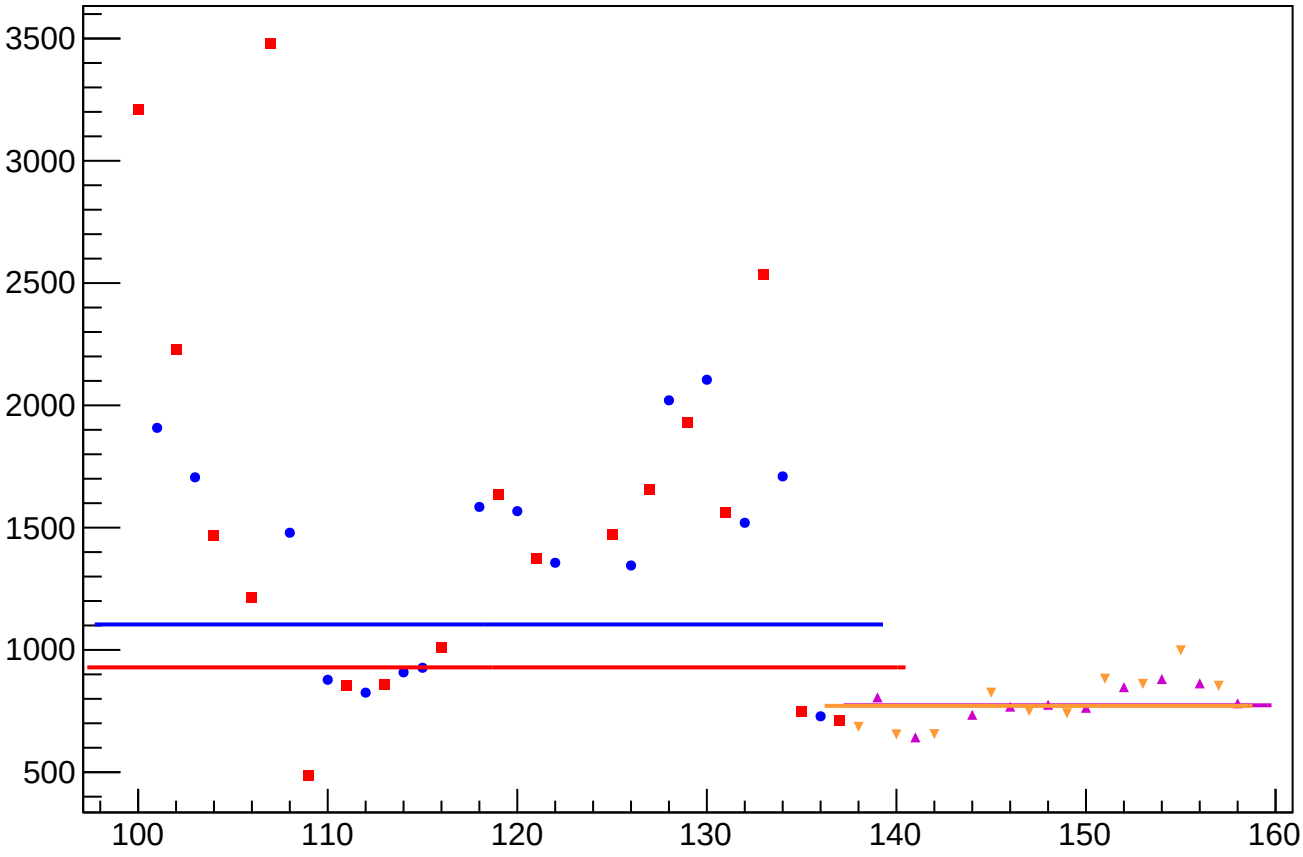
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -324.621+/-263.681 χ^2/NDF:7.7/9

+ sign -813.158+/-235.500 χ^2/NDF: 57.9/25

All: -647.516+/-160.480 χ^2/NDF: 78.5/53

- sign -503.911+/-219.275 χ^2/NDF: 19.7/27



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 771.277+/-0.197 χ^2/NDF:260256.4/9

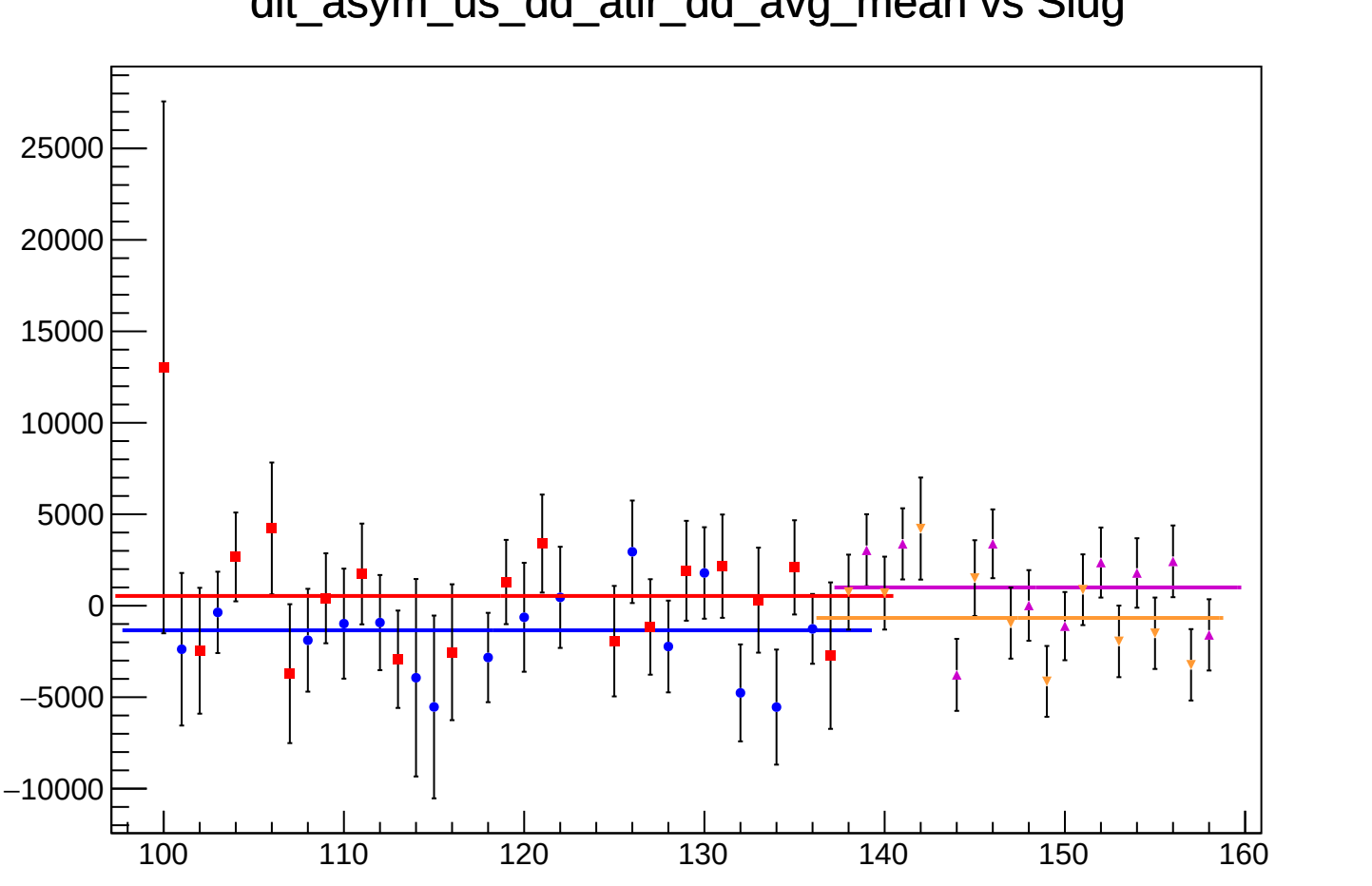
Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 773.607+/-0.186 χ^2/NDF:138178.3/9

+ sign 865.545+/-0.167 χ^2/NDF: 2965705.7/25

All: 841.913+/-0.113 χ^2/NDF: 6409096.0/53

- sign 821.424+/-0.155 χ^2/NDF: 3405790.1/27



Right In: -1343.952+/-690.940 χ^2/NDF: 9.6/15

Left Out: -668.106+/-640.625 χ^2/NDF:11.3/9

Right Out: 534.194+/-690.970 χ^2/NDF: 11.1/17

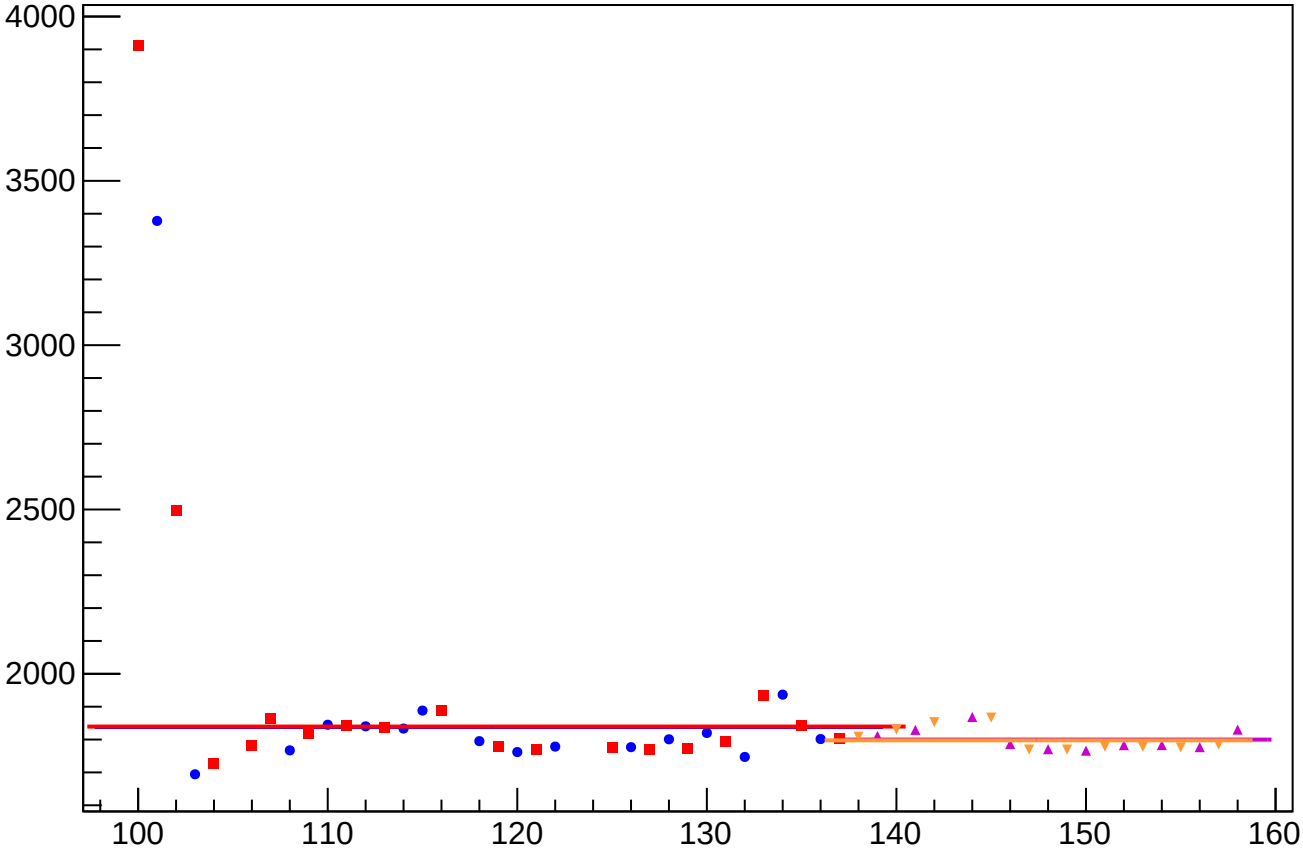
Left In: 1000.578+/-609.415 χ^2/NDF:14.6/9

+ sign -980.528+/-469.772 χ^2/NDF: 21.4/25

All: -67.614+/-327.588 χ^2/NDF: 54.8/53

- sign 796.521+/-457.049 χ^2/NDF: 26.0/27

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1797.542+/-0.453 χ^2/NDF:5161.9/9

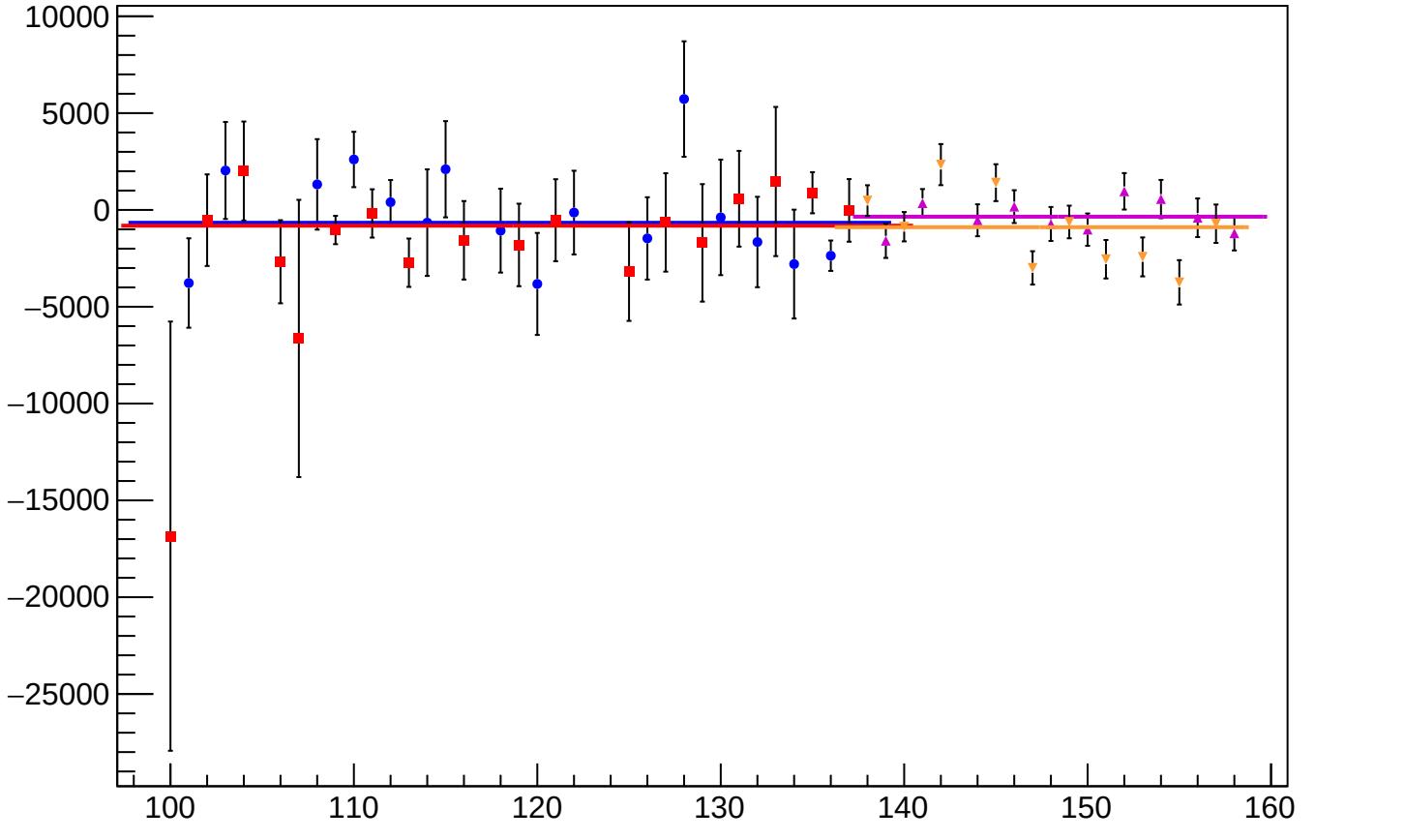
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1799.824+/-0.431 χ^2/NDF:5244.4/9

+ sign 1816.318+/-0.332 χ^2/NDF: 300862.3/25

All: 1816.767+/-0.232 χ^2/NDF: 438076.2/53

- sign 1817.191+/-0.323 χ^2/NDF: 137210.3/27



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: -892.083+/-290.391 χ^2/NDF:35.5/9

Right Out: -812.187+/-397.187 χ^2/NDF: 12.2/17

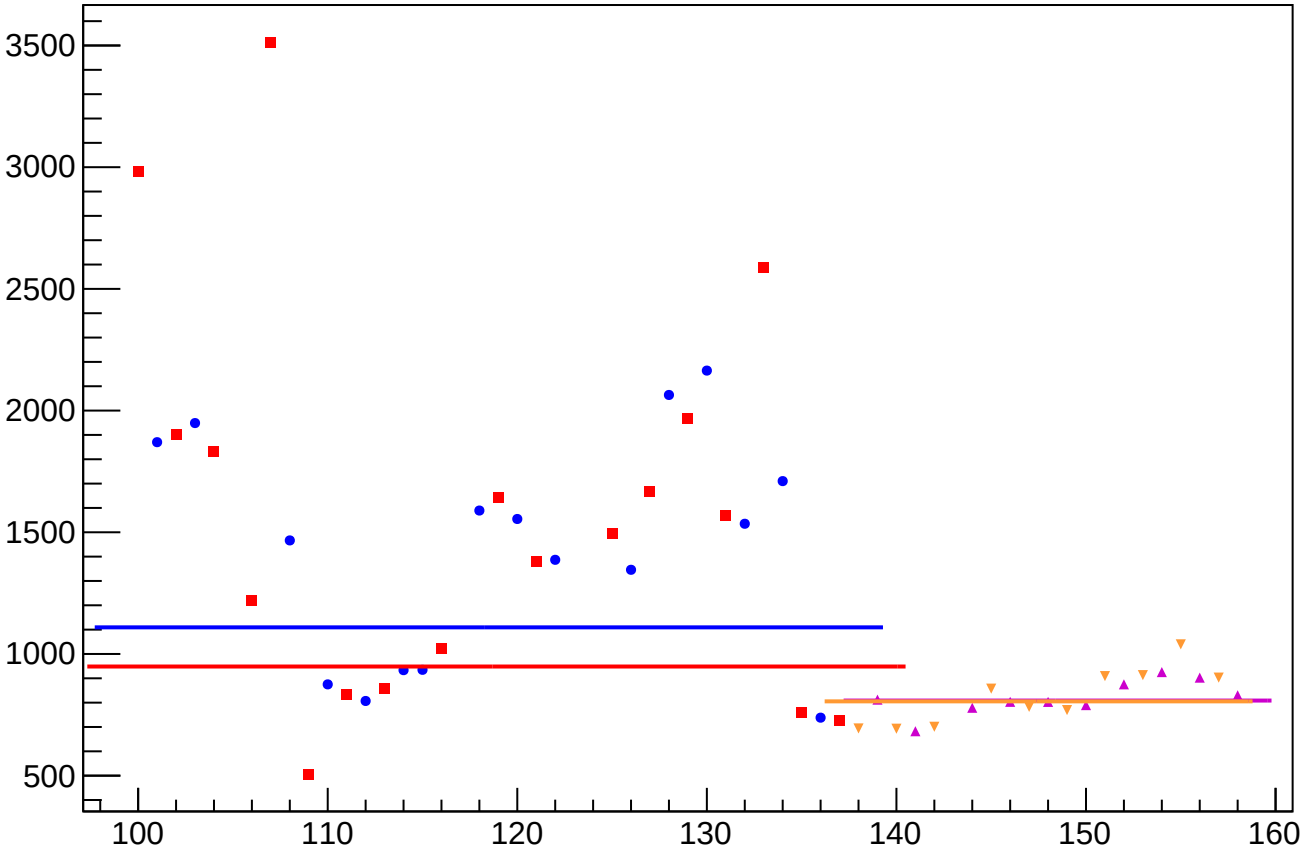
Left In: -349.267+/-275.362 χ^2/NDF:7.9/9

+ sign -824.006+/-243.338 χ^2/NDF: 58.4/25

All: -650.014+/-165.714 χ^2/NDF: 80.4/53

- sign -499.538+/-226.297 χ^2/NDF: 21.0/27

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug



Right In: 1109.362+/-0.315 χ^2/NDF: 1973363.9/15

Left Out: 805.290+/-0.205 χ^2/NDF:261294.8/9

Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

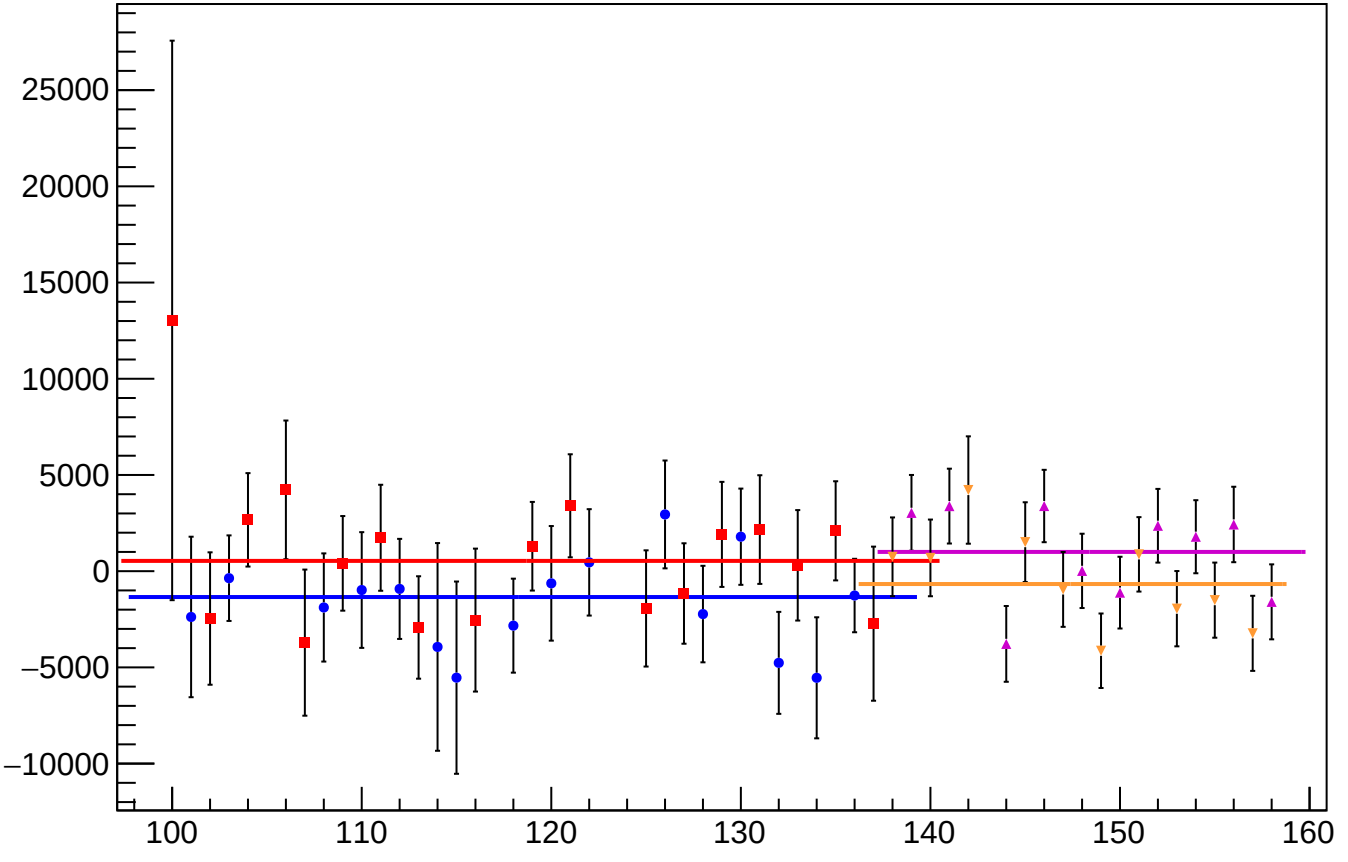
Left In: 808.561+/-0.195 χ^2/NDF:120699.3/9

+ sign 895.845+/-0.172 χ^2/NDF: 2887722.5/25

All: 873.389+/-0.117 χ^2/NDF: 6261382.6/53

- sign 853.968+/-0.160 χ^2/NDF: 3341896.0/27

eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1343.955+/-690.940 χ^2/NDF: 9.6/15

Left Out: -668.105+/-640.625 χ^2/NDF:11.3/9

Right Out: 534.199+/-690.970 χ^2/NDF: 11.1/17

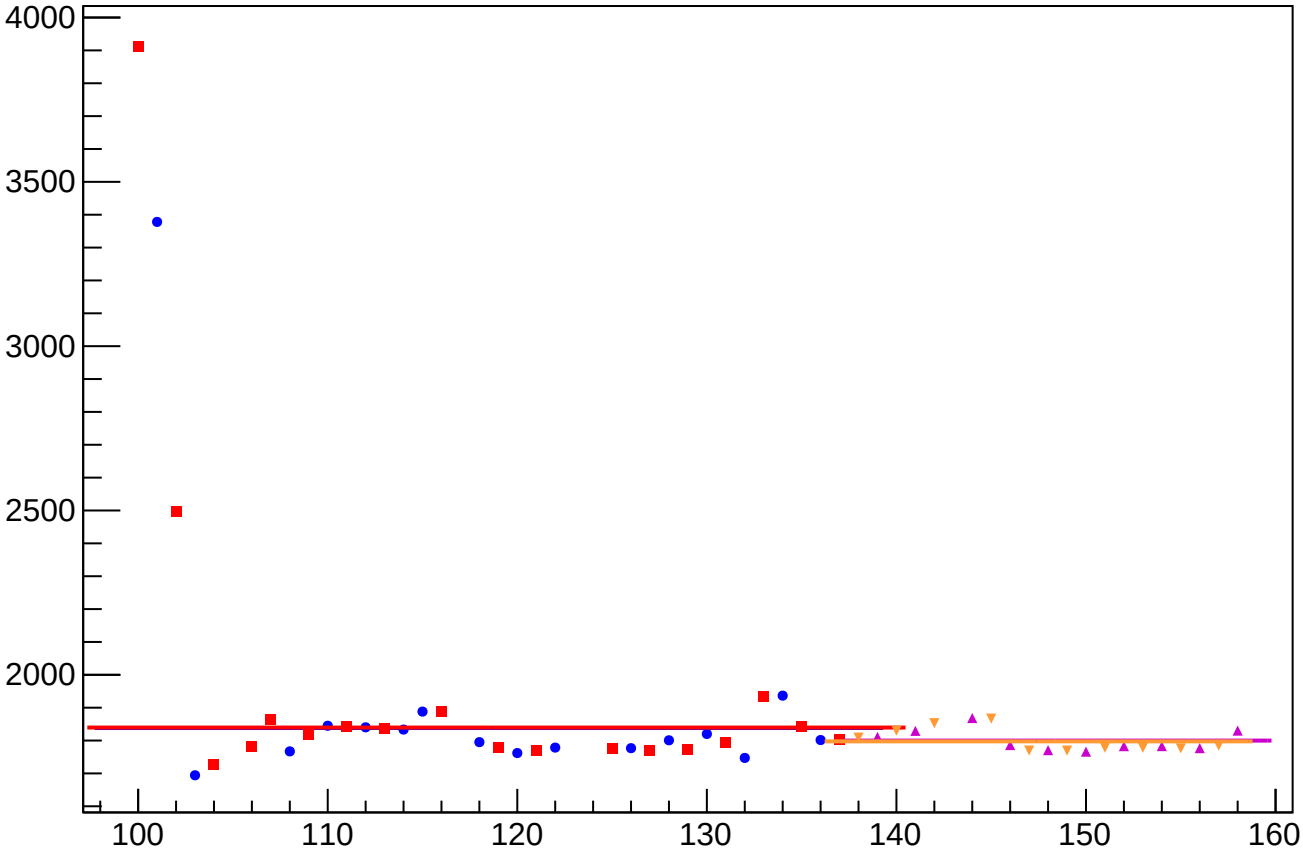
Left In: 1000.574+/-609.415 χ^2/NDF:14.6/9

+ sign -980.528+/-469.772 χ^2/NDF: 21.4/25

All: -67.614+/-327.588 χ^2/NDF: 54.8/53

- sign 796.521+/-457.049 χ^2/NDF: 26.0/27

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1797.542+/-0.453 χ^2/NDF:5161.9/9

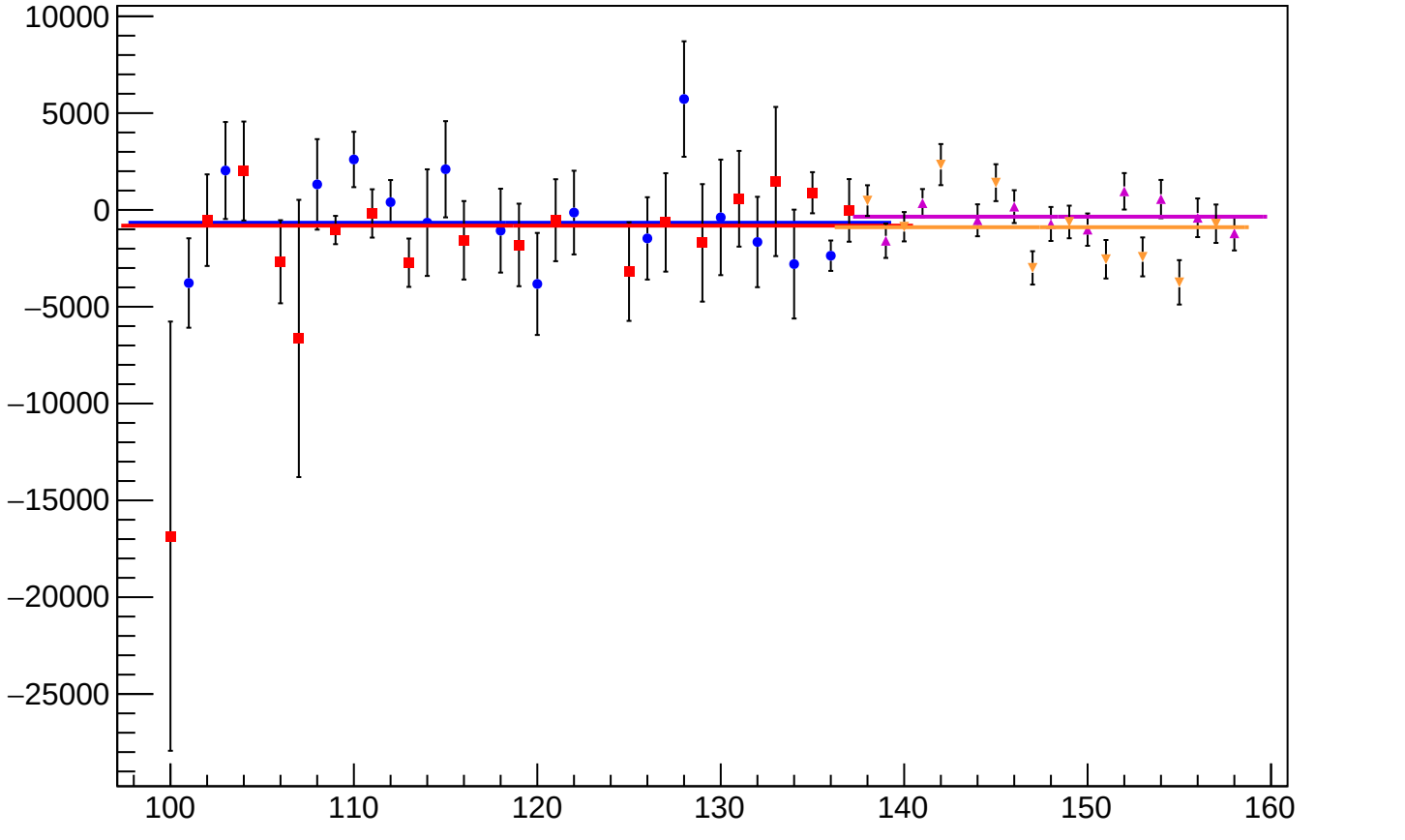
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1799.824+/-0.431 χ^2/NDF:5244.4/9

+ sign 1816.318+/-0.332 χ^2/NDF: 300862.3/25

All: 1816.767+/-0.232 χ^2/NDF: 438076.2/53

- sign 1817.191+/-0.323 χ^2/NDF: 137210.3/27



Right In: -663.476+/-445.904 χ^2/NDF: 22.8/15

Left Out: -892.092+/-290.392 χ^2/NDF:35.5/9

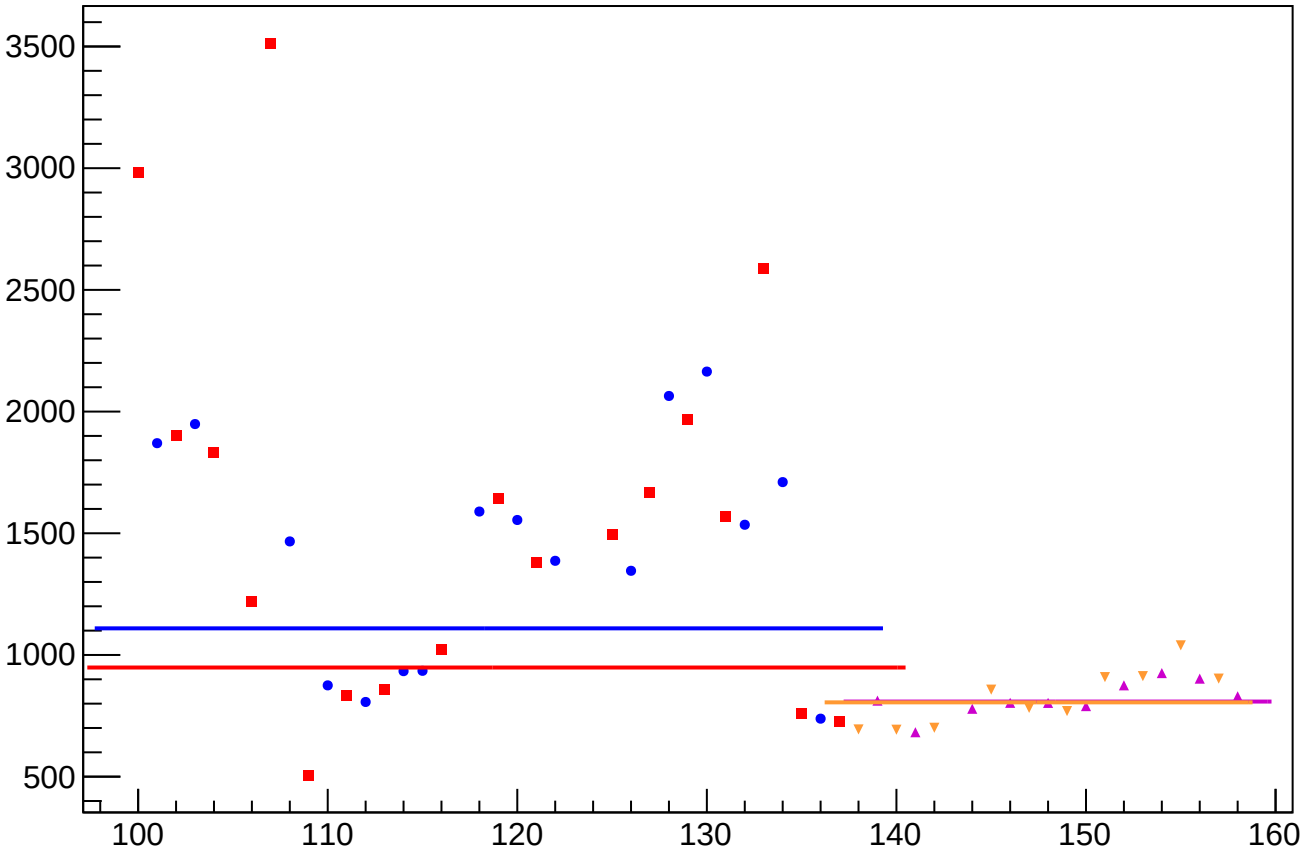
Right Out: -812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: -349.265+/-275.363 χ^2/NDF:7.9/9

+ sign -824.008+/-243.339 χ^2/NDF: 58.4/25

All: -650.015+/-165.714 χ^2/NDF: 80.4/53

- sign -499.539+/-226.298 χ^2/NDF: 21.0/27



Right In: 1109.365+/-0.315 χ^2/NDF: 1973324.5/15

Left Out: 805.293+/-0.205 χ^2/NDF:261277.5/9

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

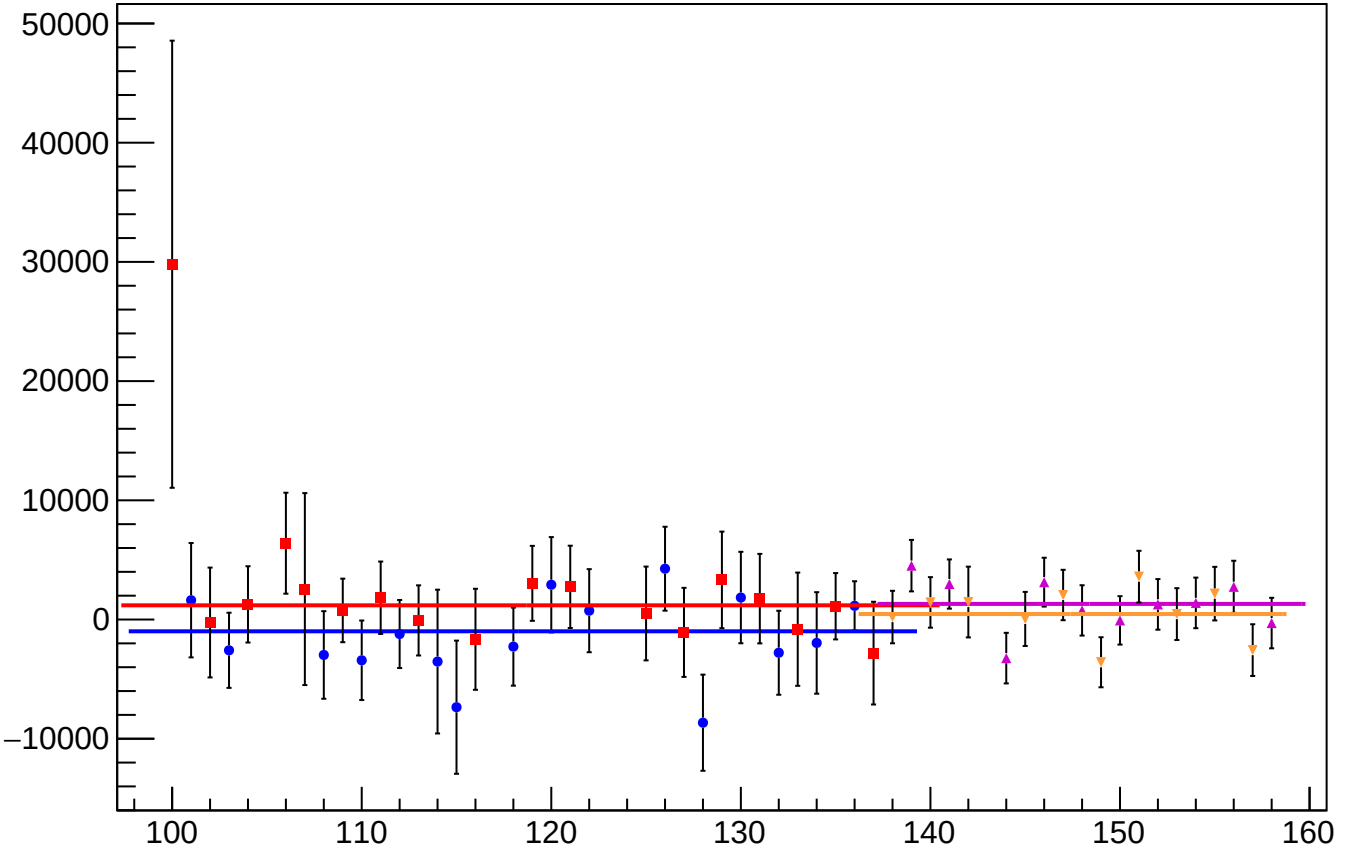
Left In: 808.563+/-0.195 χ^2/NDF:120698.0/9

+ sign 895.849+/-0.172 χ^2/NDF: 2887662.4/25

All: 873.391+/-0.117 χ^2/NDF: 6261299.0/53

- sign 853.969+/-0.160 χ^2/NDF: 3341870.3/27

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: 460.204+/-703.180 χ^2/NDF:9.3/9

Right Out: 1192.173+/-870.432 χ^2/NDF: 7.0/17

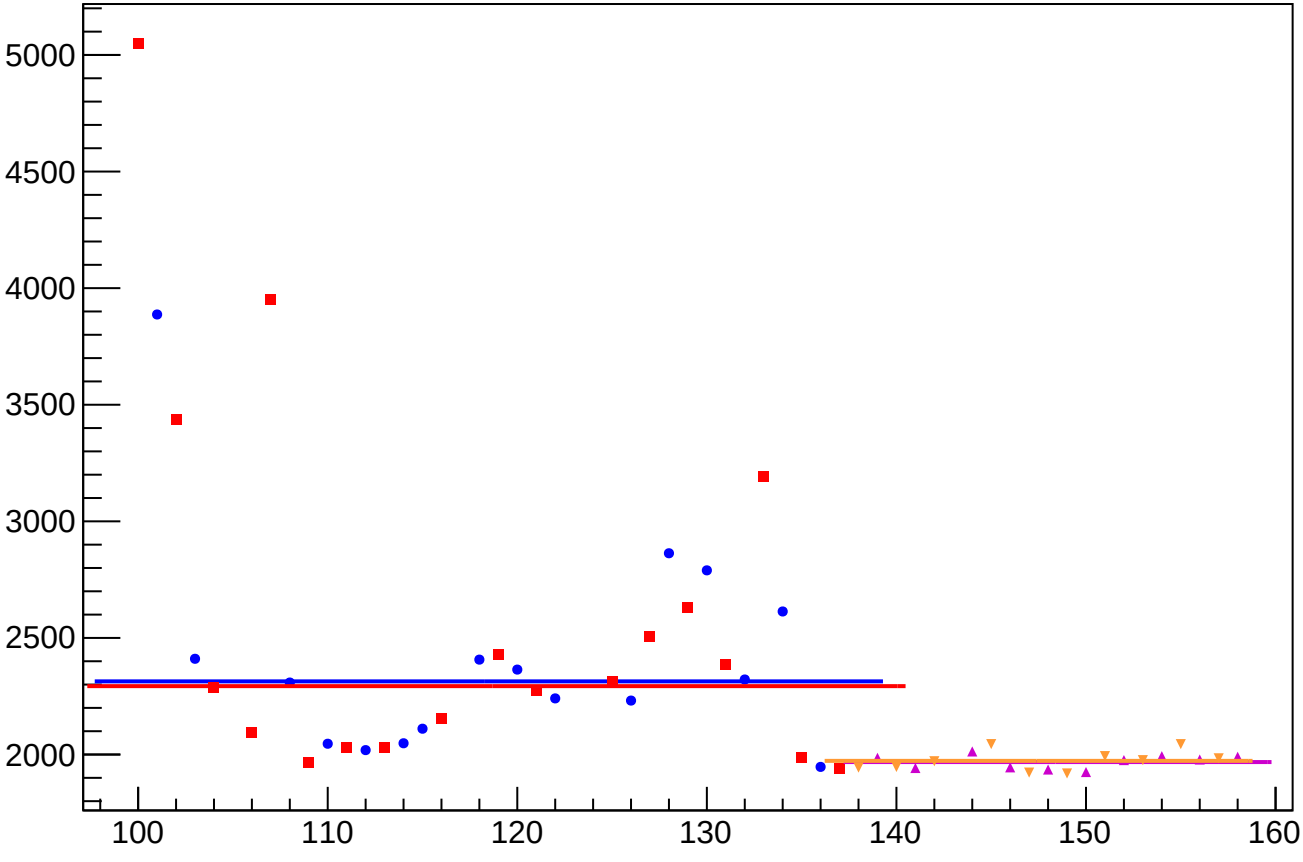
Left In: 1310.638+/-666.274 χ^2/NDF:9.8/9

+ sign -108.808+/-547.833 χ^2/NDF: 22.9/25

All: 602.993+/-380.569 χ^2/NDF: 43.0/53

- sign 1266.871+/-529.069 χ^2/NDF: 16.8/27

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2313.740+/-0.618 χ^2/NDF: 402756.6/15

Left Out: 1972.804+/-0.497 χ^2/NDF:7380.0/9

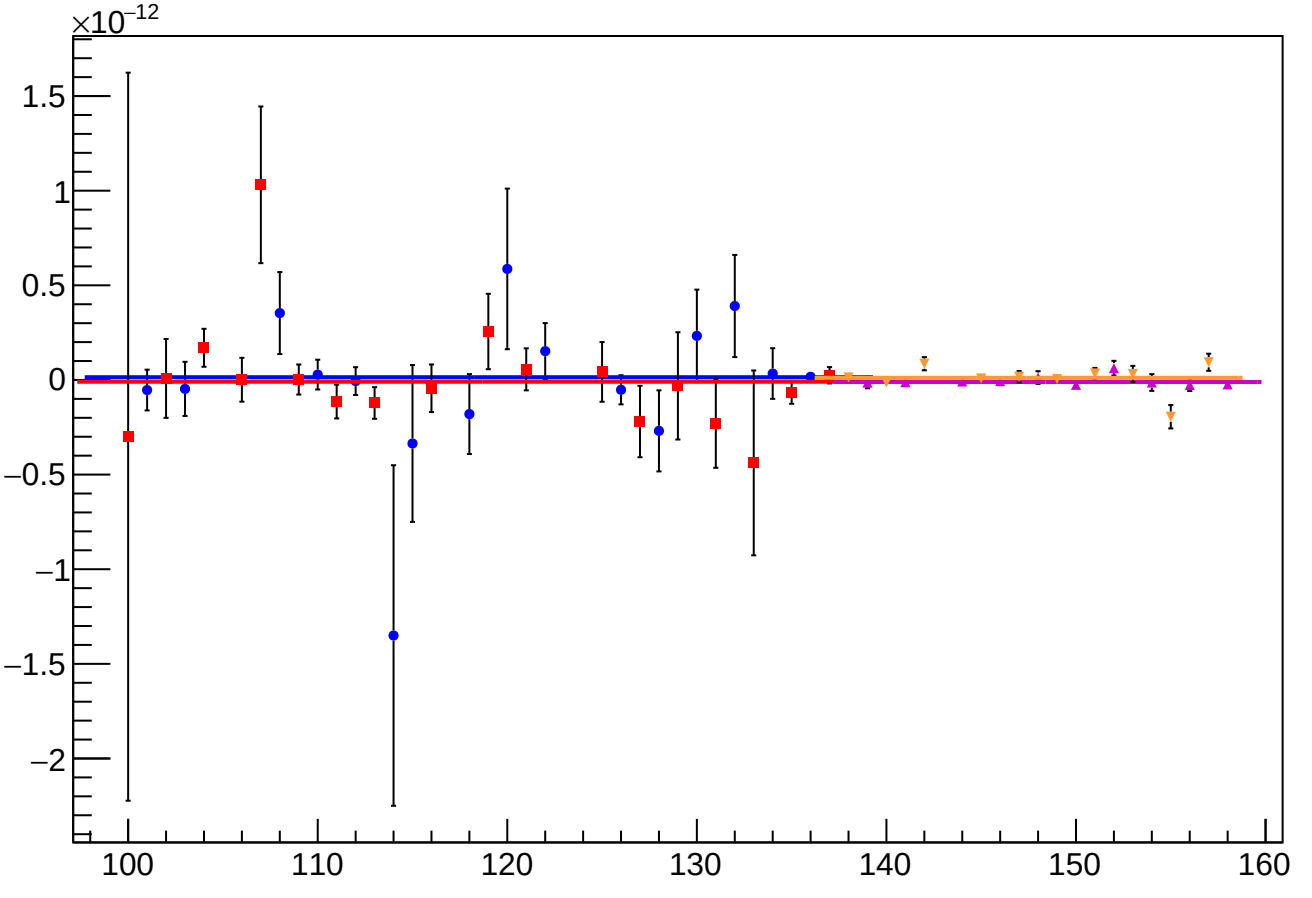
Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1967.694+/-0.471 χ^2/NDF:3553.9/9

+ sign 2106.805+/-0.387 χ^2/NDF: 594926.2/25

All: 2097.065+/-0.269 χ^2/NDF: 1229344.8/53

- sign 2087.980+/-0.374 χ^2/NDF: 633196.8/27



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/9

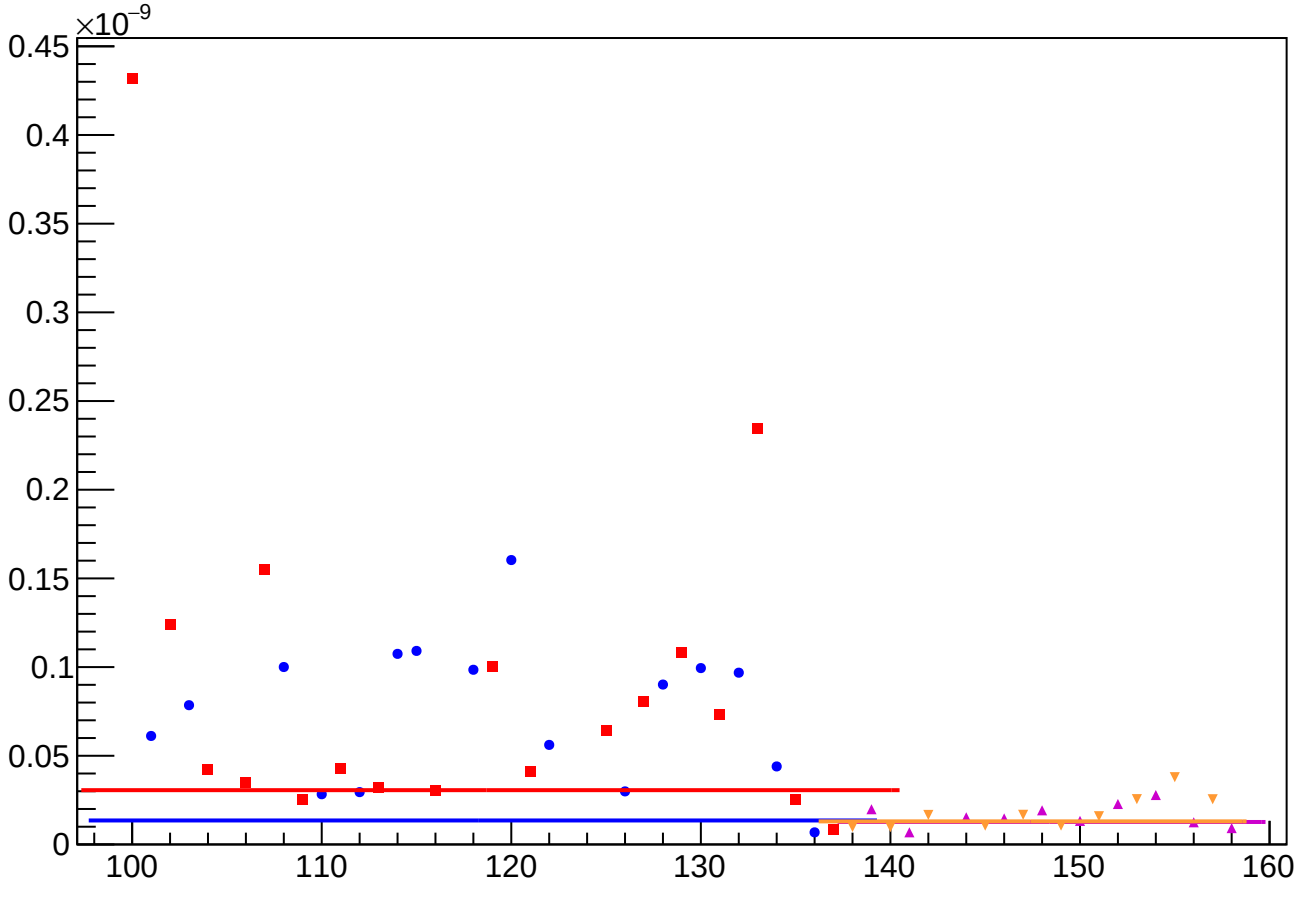
Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:5.2/9

+ sign 0.000+/-0.000 χ^2/NDF: 36.8/25

All: 0.000+/-0.000 χ^2/NDF: 66.5/53

- sign -0.000+/-0.000 χ^2/NDF: 24.7/27



Right In: 0.000+/-0.000 χ^2/NDF: 3416094.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:893192.5/9

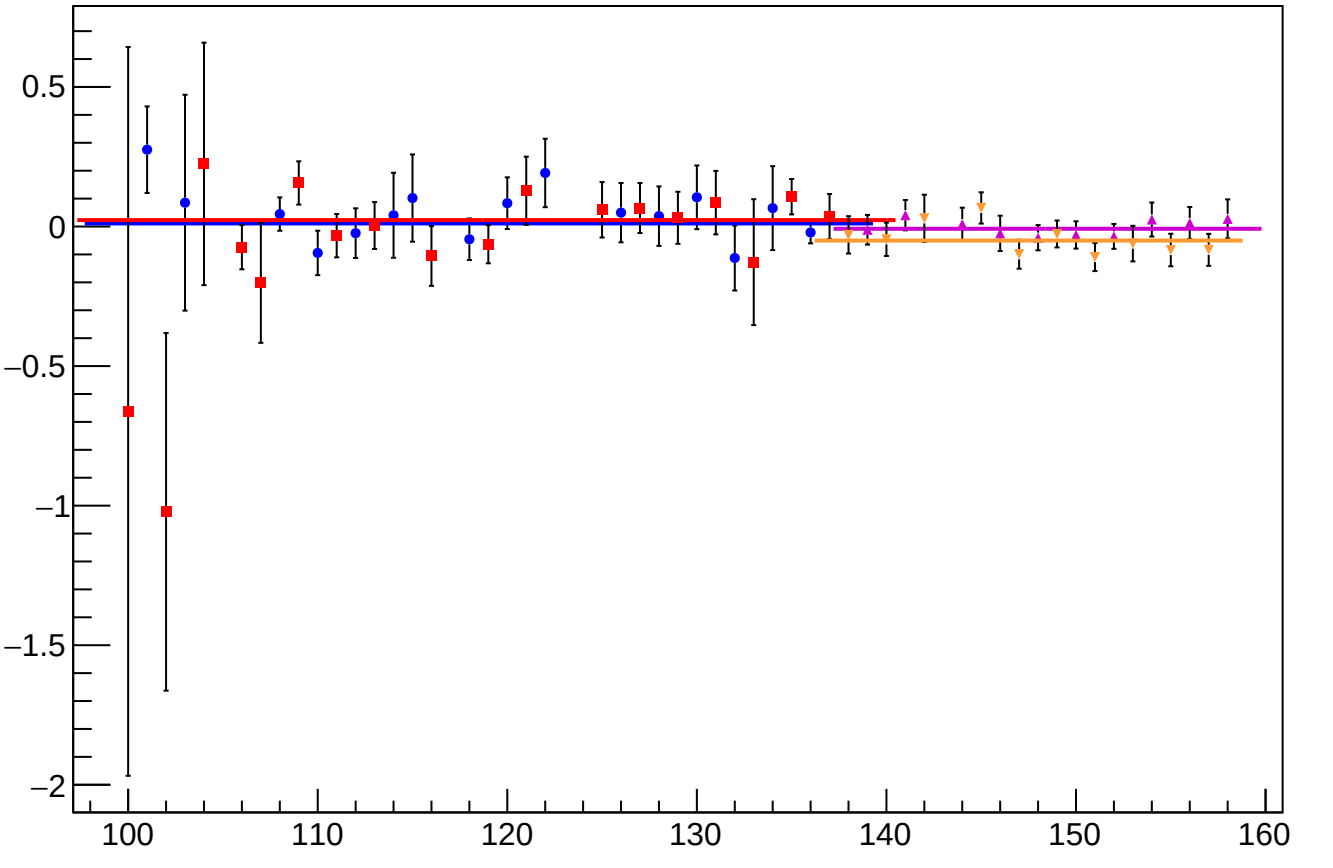
Right Out: 0.000+/-0.000 χ^2/NDF: 2349183.7/17

Left In: 0.000+/-0.000 χ^2/NDF:997794.7/9

+ sign 0.000+/-0.000 χ^2/NDF: 4311304.4/25

All: 0.000+/-0.000 χ^2/NDF: 8691264.1/53

- sign 0.000+/-0.000 χ^2/NDF: 4352723.2/27



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.050+/-0.018 χ^2/NDF:8.5/9

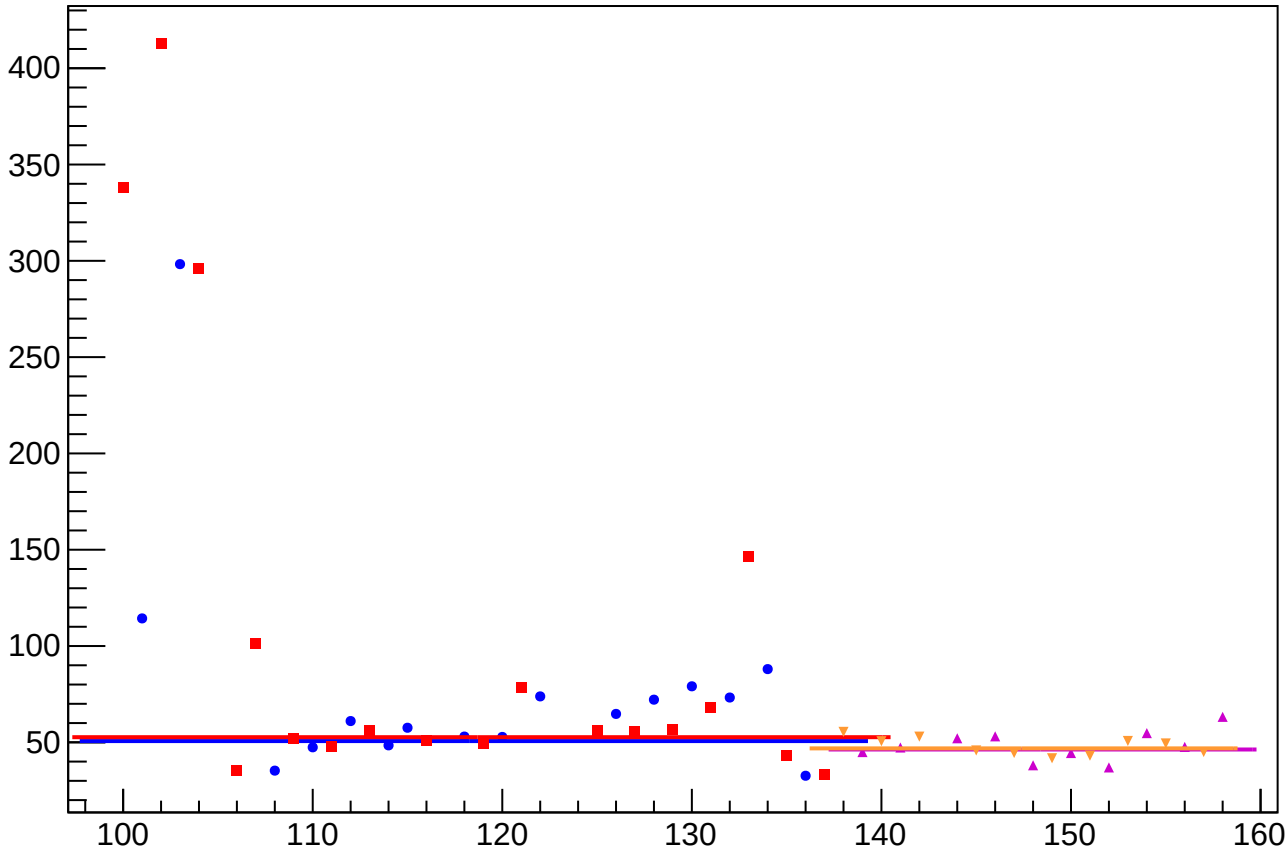
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.008+/-0.017 χ^2/NDF:2.7/9

+ sign -0.025+/-0.014 χ^2/NDF: 24.9/25

All: -0.011+/-0.010 χ^2/NDF: 46.8/53

- sign 0.003+/-0.014 χ^2/NDF: 19.8/27



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 46.855+/-0.013 χ^2/NDF:103519.5/9

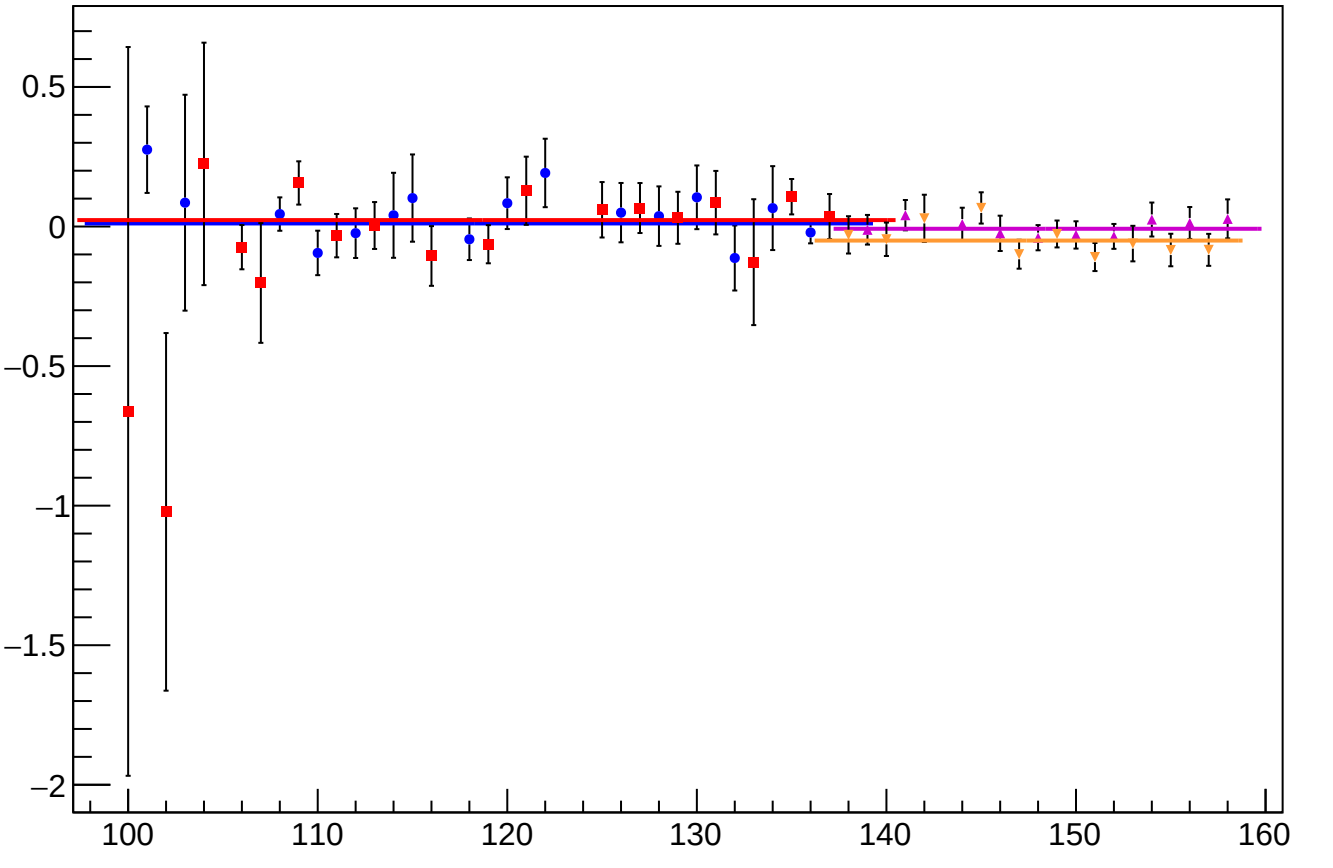
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 46.276+/-0.012 χ^2/NDF:359039.5/9

+ sign 48.409+/-0.010 χ^2/NDF: 2405393.4/25

All: 48.473+/-0.007 χ^2/NDF: 5075316.5/53

- sign 48.534+/-0.010 χ^2/NDF: 2669842.5/27



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.050+/-0.018 χ^2/NDF:8.5/9

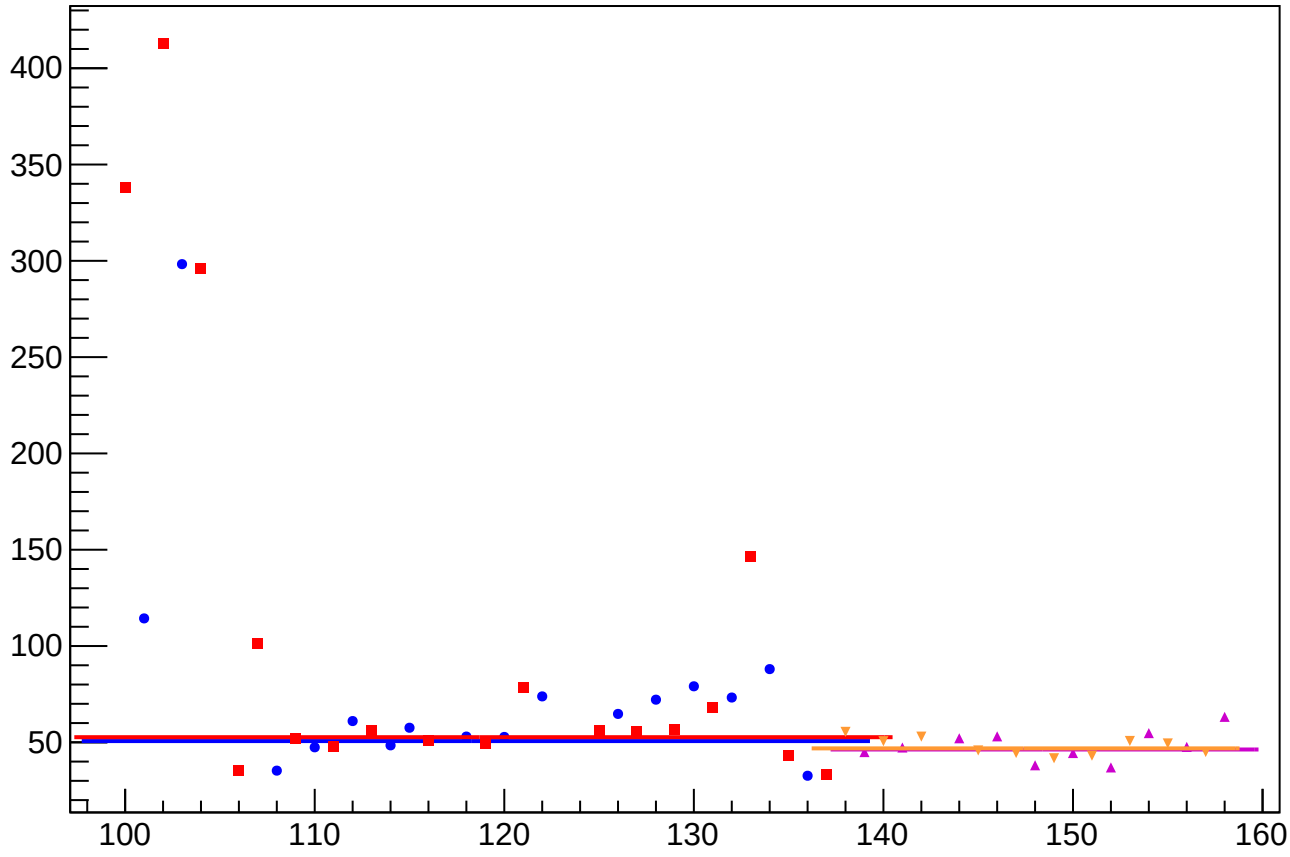
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.008+/-0.017 χ^2/NDF:2.7/9

+ sign -0.025+/-0.014 χ^2/NDF: 24.9/25

All: -0.011+/-0.010 χ^2/NDF: 46.8/53

- sign 0.003+/-0.014 χ^2/NDF: 19.8/27



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 46.855+/-0.013 χ^2/NDF:103519.5/9

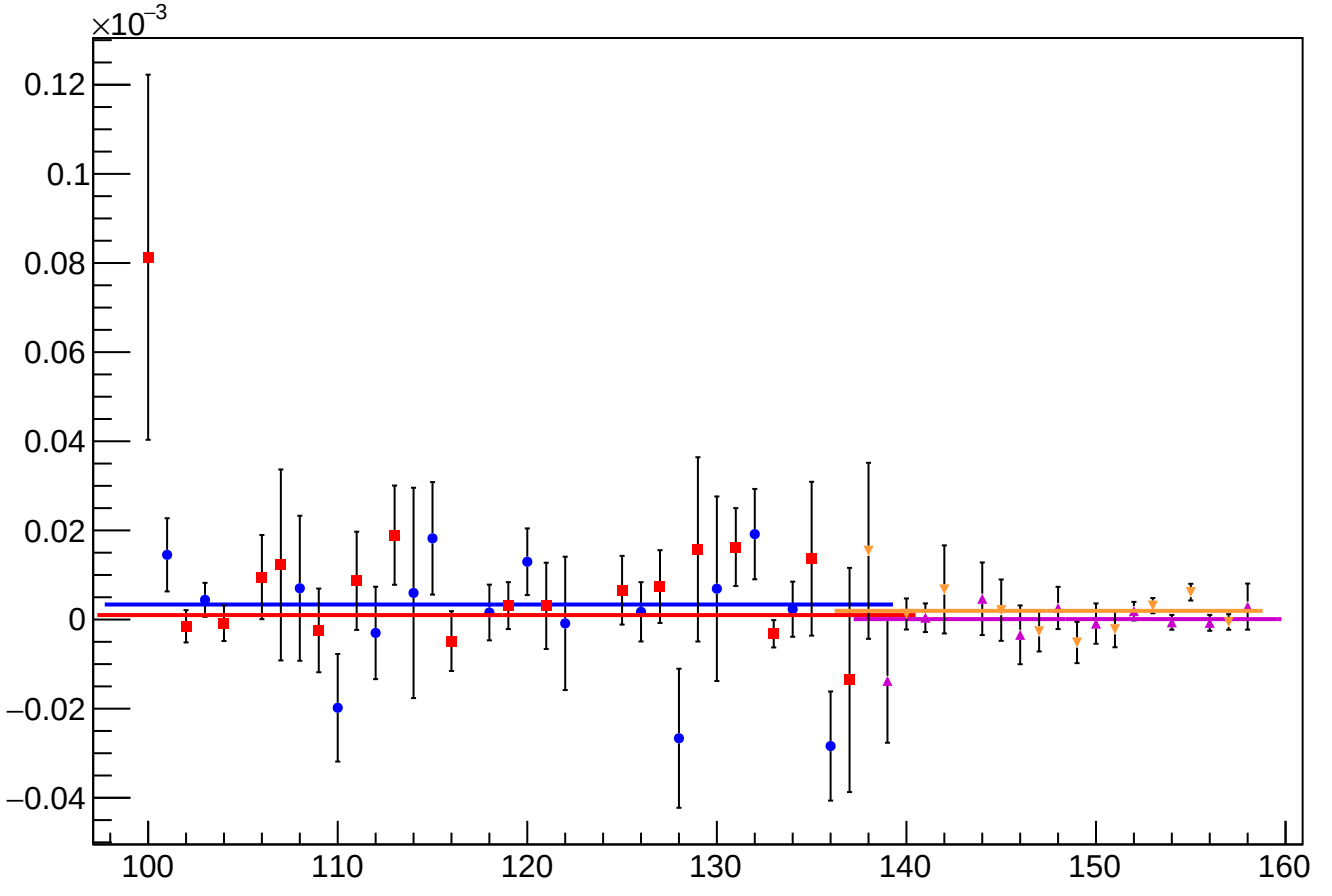
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 46.276+/-0.012 χ^2/NDF:359039.5/9

+ sign 48.409+/-0.010 χ^2/NDF: 2405393.4/25

All: 48.473+/-0.007 χ^2/NDF: 5075316.5/53

- sign 48.534+/-0.010 χ^2/NDF: 2669842.5/27



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.7/9

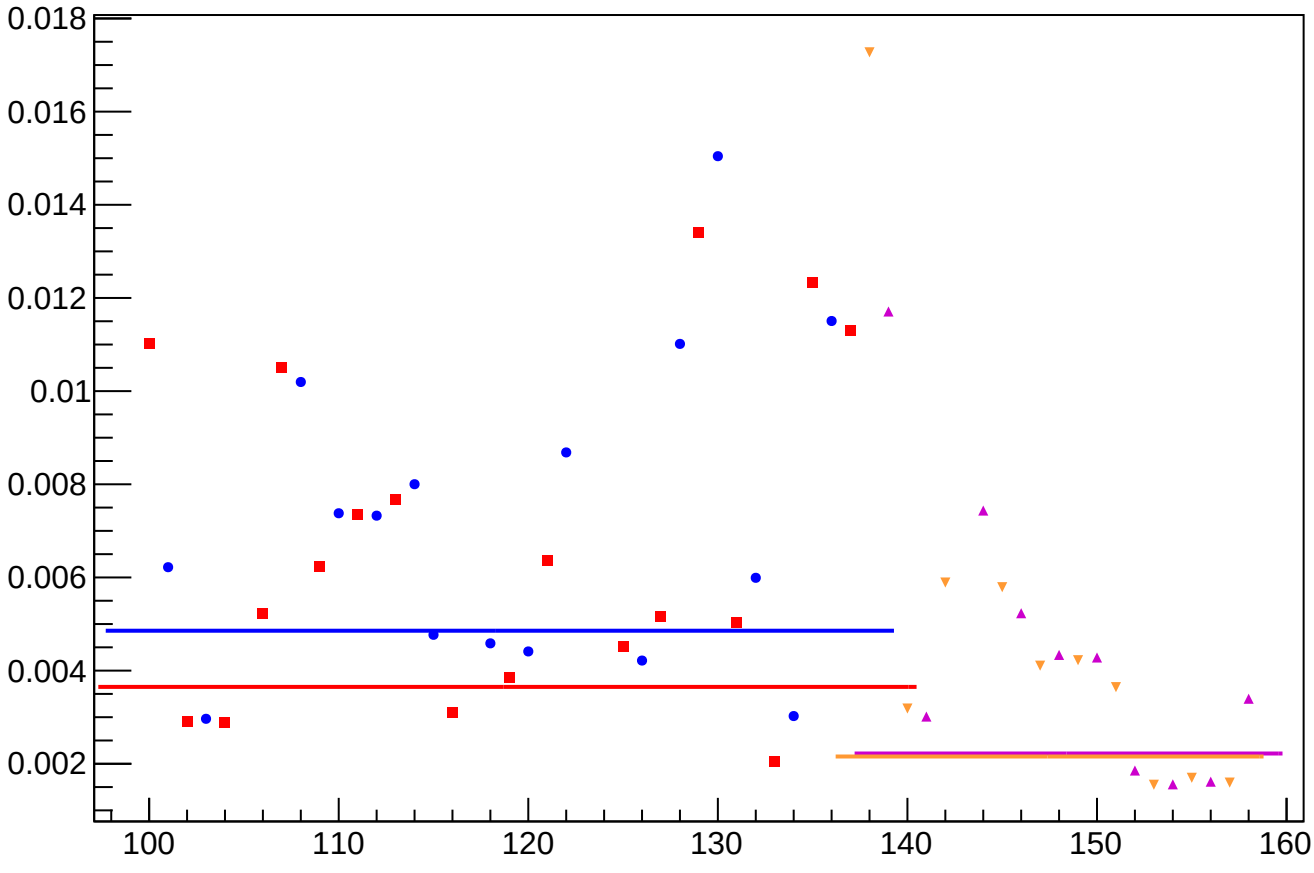
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:3.4/9

+ sign 0.000+/-0.000 χ^2/NDF: 35.3/25

All: 0.000+/-0.000 χ^2/NDF: 58.8/53

- sign 0.000+/-0.000 χ^2/NDF: 20.8/27



Right In: 0.005+/-0.000 χ^2/NDF: 2745089.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:3810979.6/9

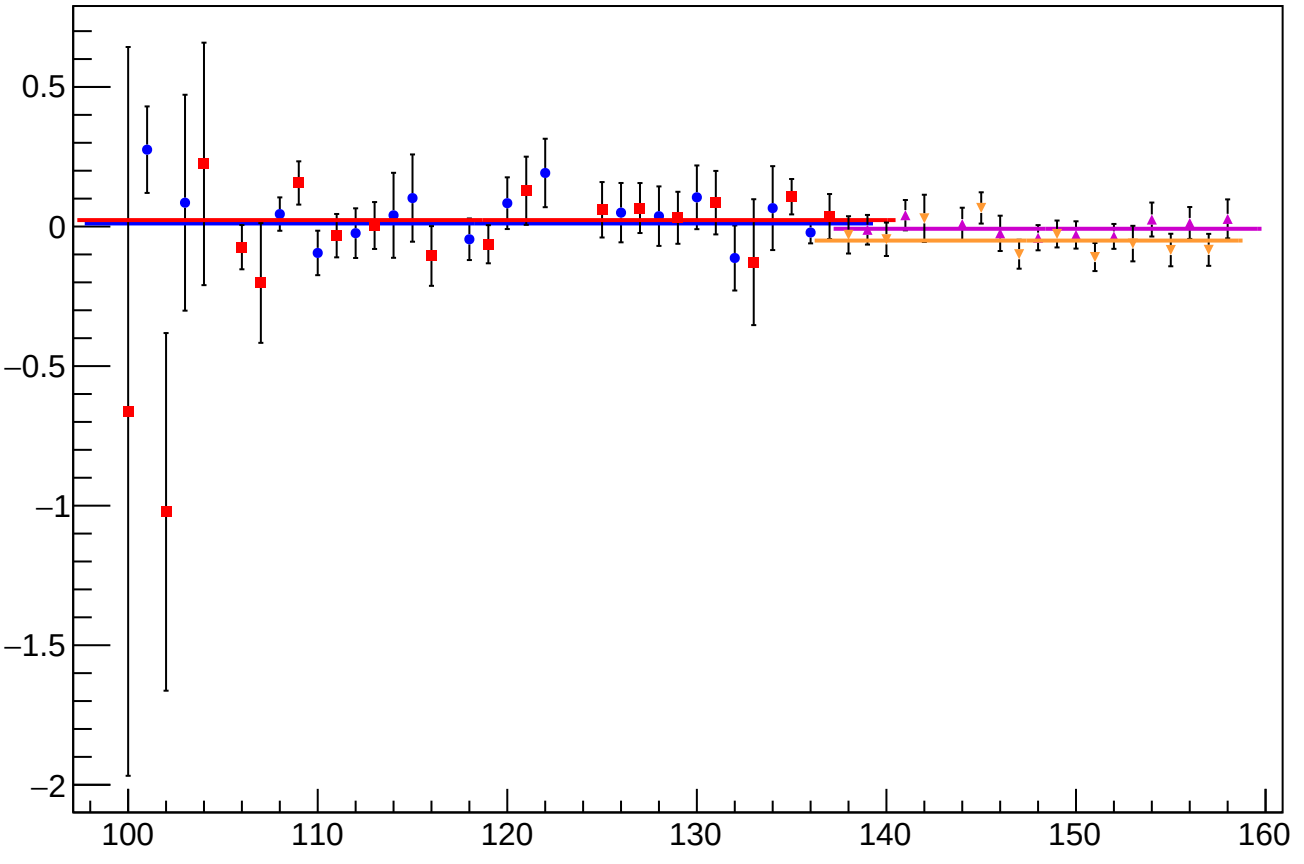
Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.002+/-0.000 χ^2/NDF:3818396.2/9

+ sign 0.003+/-0.000 χ^2/NDF: 9393626.2/25

All: 0.003+/-0.000 χ^2/NDF: 17558019.1/53

- sign 0.003+/-0.000 χ^2/NDF: 8164352.8/27



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.050+/-0.018 χ^2/NDF:8.5/9

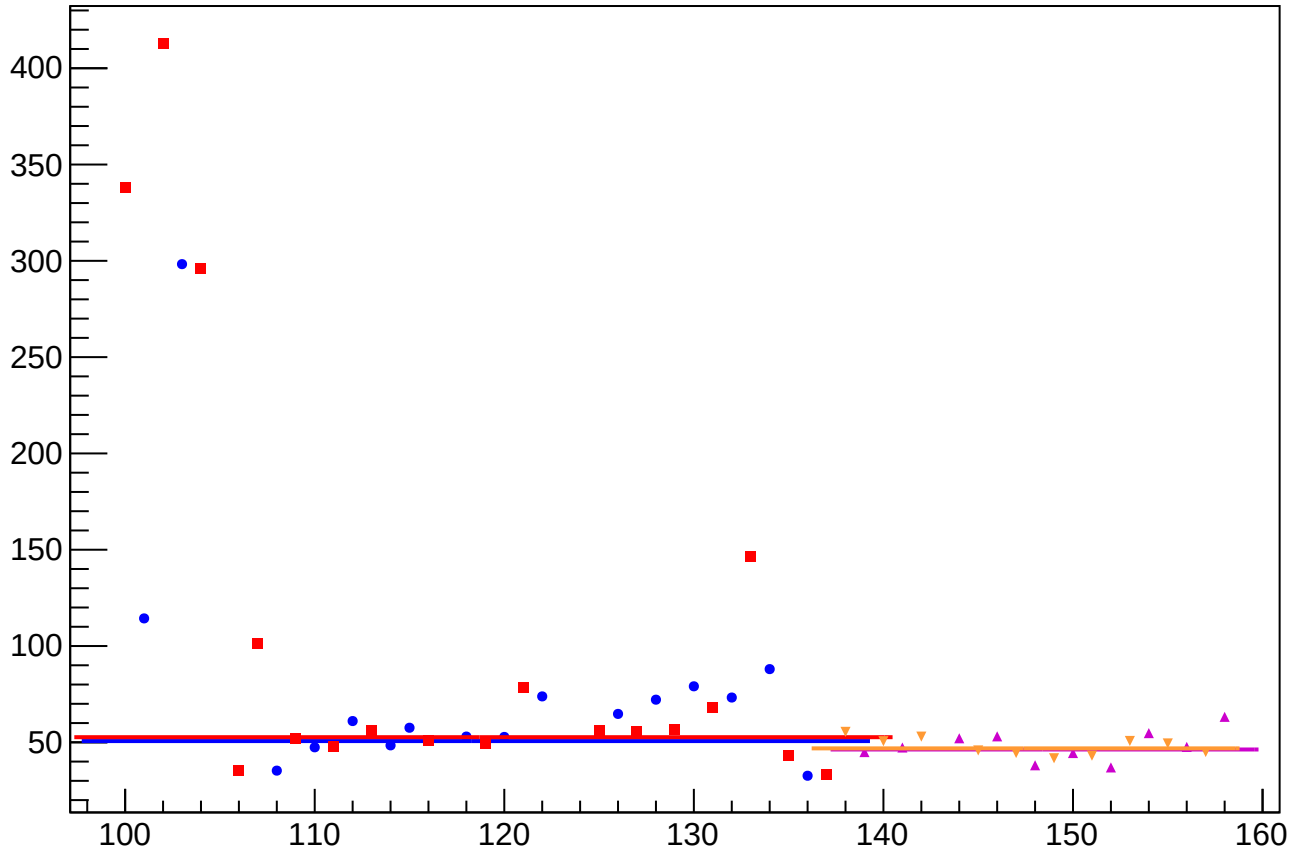
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: -0.008+/-0.017 χ^2/NDF:2.7/9

+ sign -0.025+/-0.014 χ^2/NDF: 24.9/25

All: -0.011+/-0.010 χ^2/NDF: 46.8/53

- sign 0.003+/-0.014 χ^2/NDF: 19.8/27



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 46.855+/-0.013 χ^2/NDF:103538.5/9

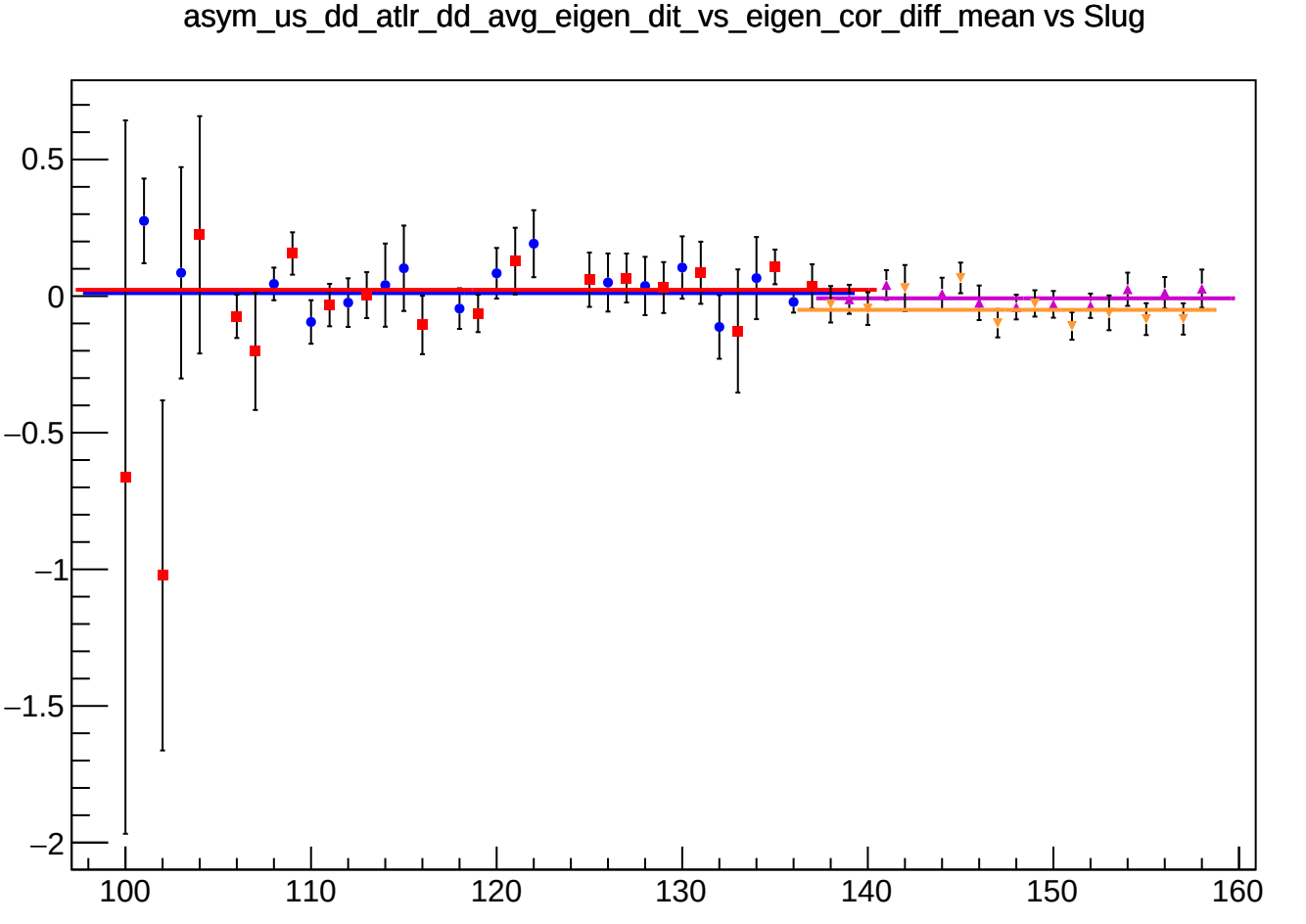
Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 46.276+/-0.012 χ^2/NDF:359045.3/9

+ sign 48.410+/-0.010 χ^2/NDF: 2405327.6/25

All: 48.473+/-0.007 χ^2/NDF: 5075155.3/53

- sign 48.534+/-0.010 χ^2/NDF: 2669746.8/27



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.050+/-0.018 χ^2/NDF:8.5/9

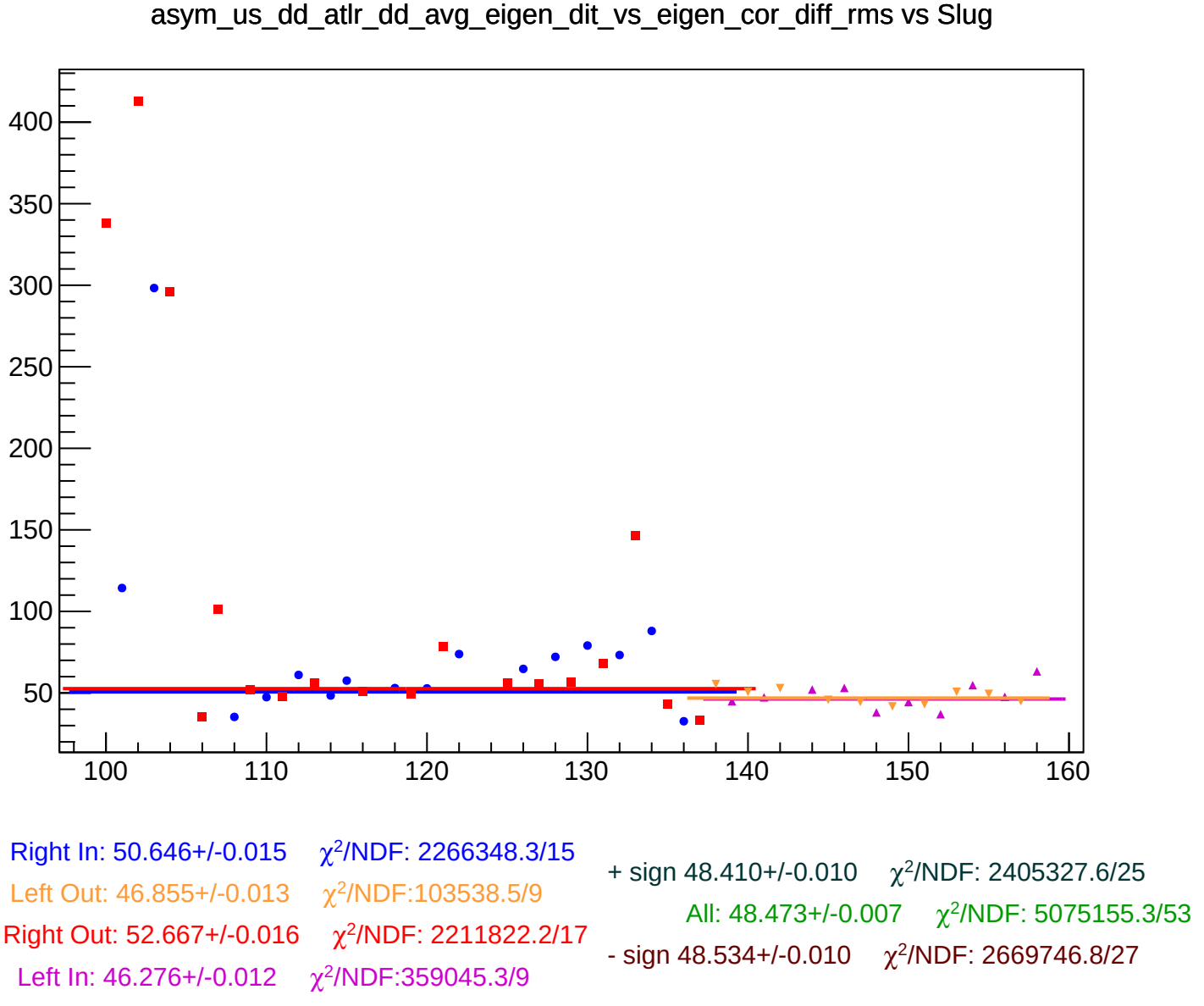
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

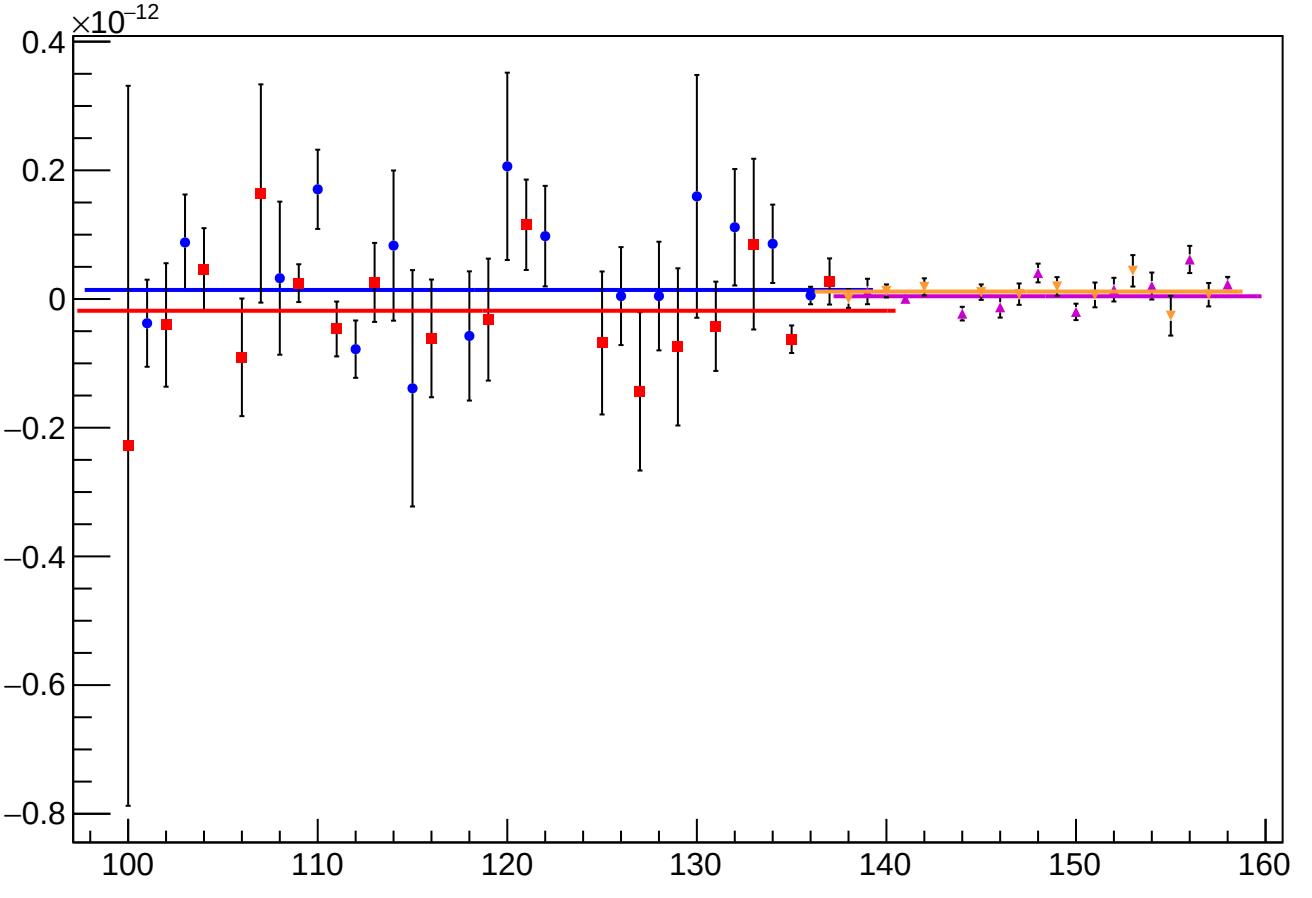
Left In: -0.008+/-0.017 χ^2/NDF:2.7/9

+ sign -0.025+/-0.014 χ^2/NDF: 24.9/25

All: -0.011+/-0.010 χ^2/NDF: 46.8/53

- sign 0.003+/-0.014 χ^2/NDF: 19.8/27


asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
400
350
300
250
200
150
100
50
100
110
120
130
140
150
160
Right In: 50.646+/-0.015 χ²/NDF: 2266348.3/15
Left Out: 46.855+/-0.013 χ²/NDF:103538.5/9
Right Out: 52.667+/-0.016 χ²/NDF: 2211822.2/17
Left In: 46.276+/-0.012 χ²/NDF:359045.3/9
+ sign 48.410+/-0.010 χ²/NDF: 2405327.6/25
All: 48.473+/-0.007 χ²/NDF: 5075155.3/53
- sign 48.534+/-0.010 χ²/NDF: 2669746.8/27



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.6/9

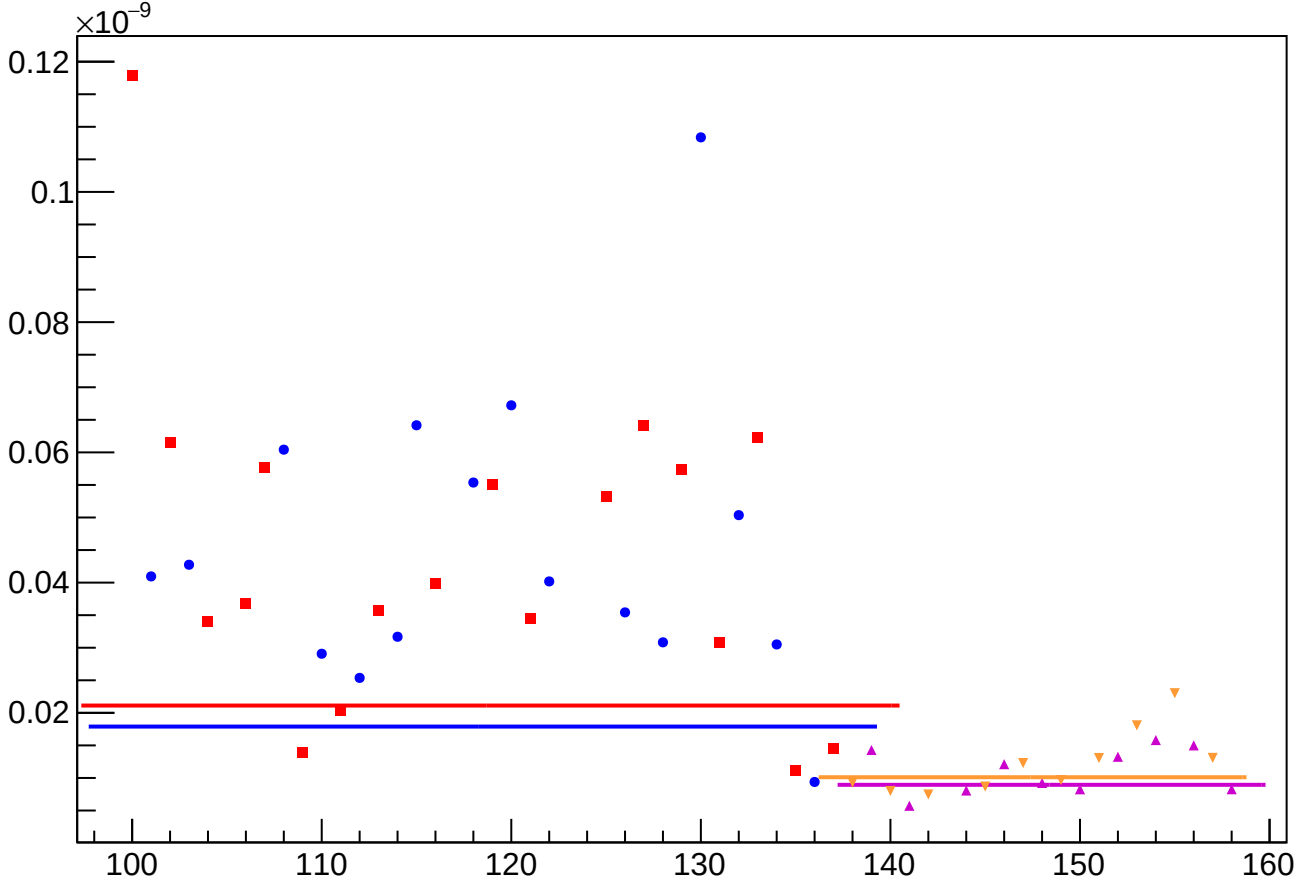
Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: 0.000+/-0.000 χ^2/NDF:28.4/9

+ sign 0.000+/-0.000 χ^2/NDF: 25.0/25

All: 0.000+/-0.000 χ^2/NDF: 77.1/53

- sign 0.000+/-0.000 χ^2/NDF: 49.3/27



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:898854.9/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

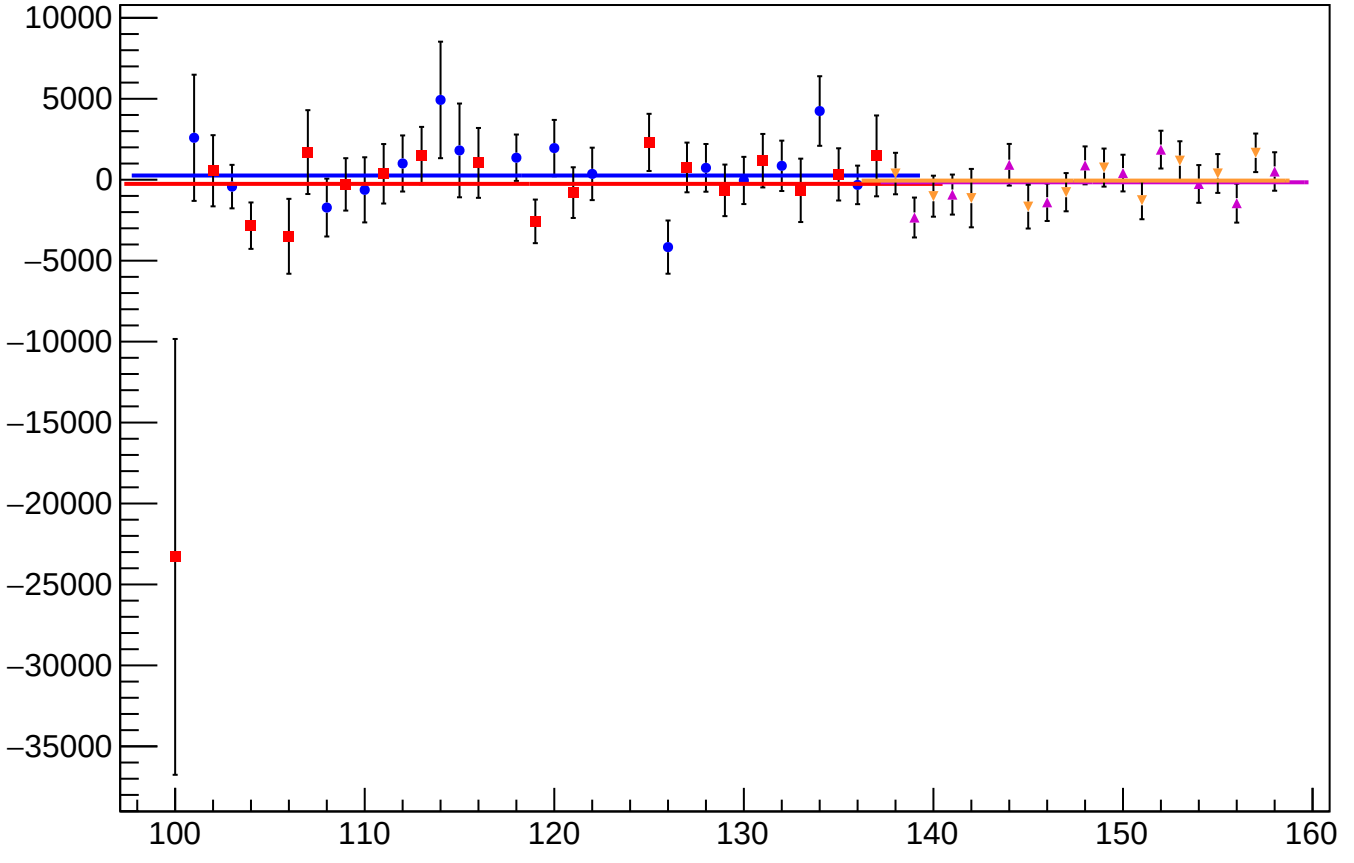
Left In: 0.000+/-0.000 χ^2/NDF:1076655.7/9

+ sign 0.000+/-0.000 χ^2/NDF: 5099191.8/25

All: 0.000+/-0.000 χ^2/NDF: 10565438.6/53

- sign 0.000+/-0.000 χ^2/NDF: 5395331.5/27

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: -53.026+/-396.842 χ^2/NDF:7.6/9

Right Out: -255.934+/-425.784 χ^2/NDF: 17.4/17

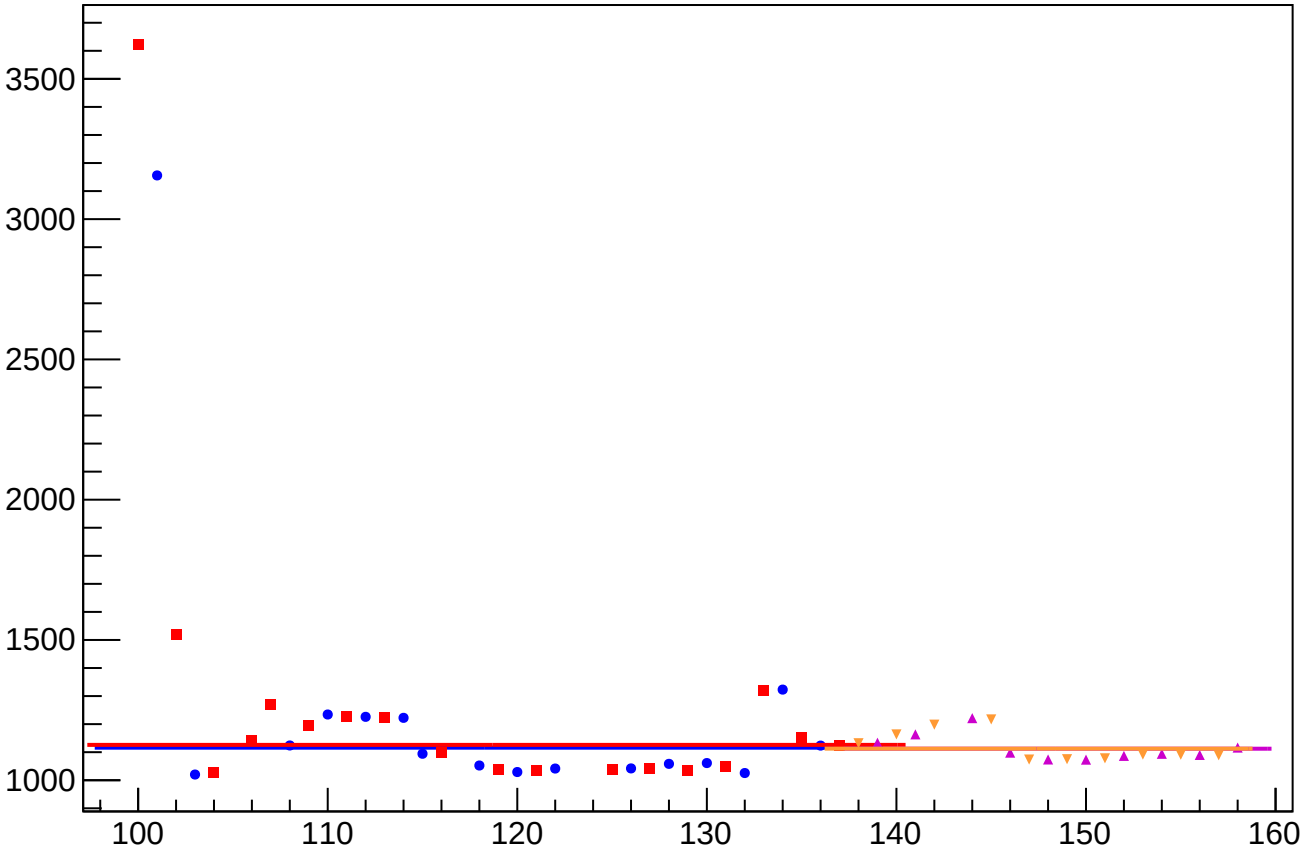
Left In: -158.326+/-376.890 χ^2/NDF:10.8/9

+ sign 93.272+/-289.945 χ^2/NDF: 24.9/25

All: -57.946+/-202.233 χ^2/NDF: 53.6/53

- sign -201.206+/-282.212 χ^2/NDF: 28.2/27

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1112.615+/-0.281 χ^2/NDF:28046.1/9

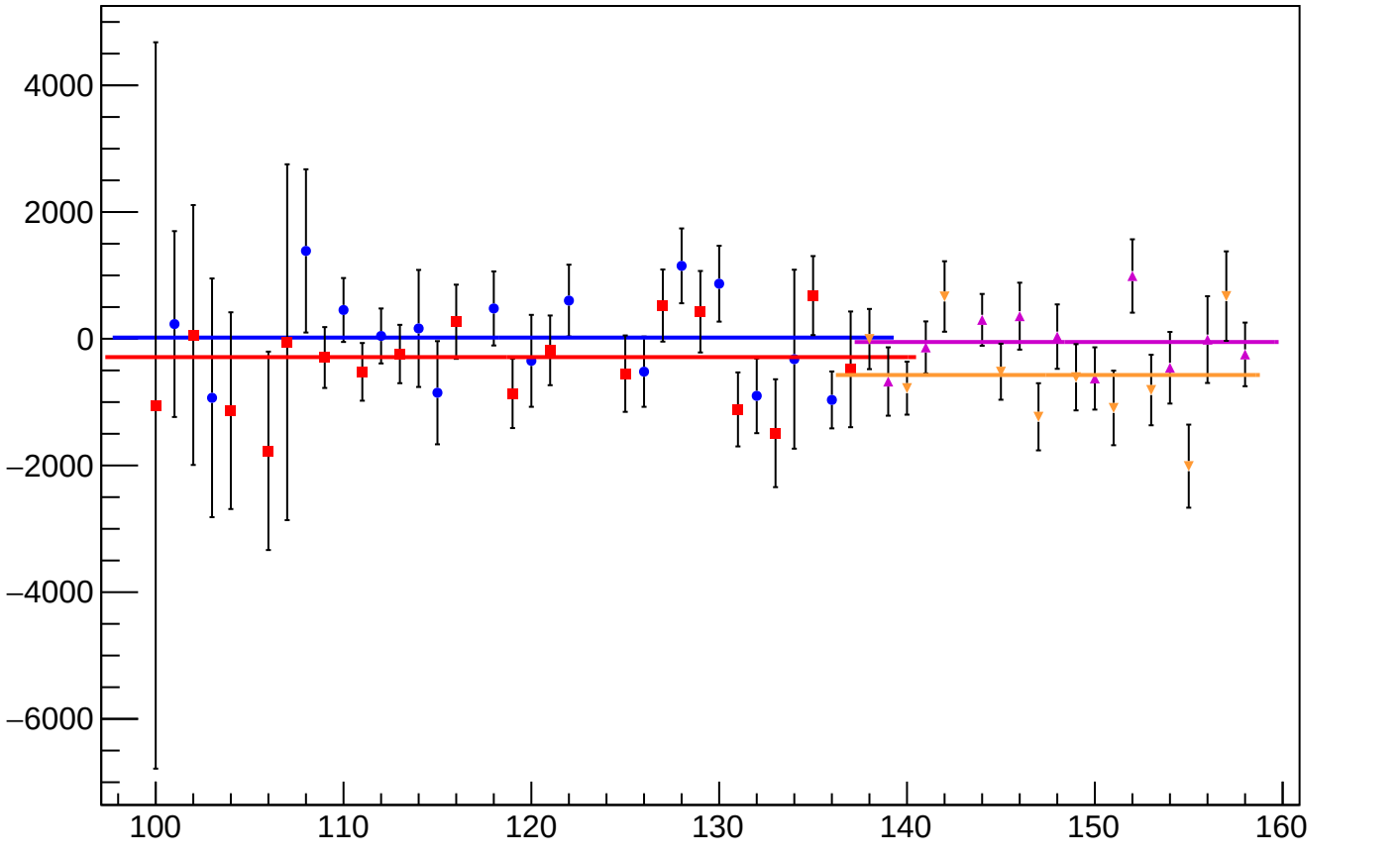
Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1112.384+/-0.267 χ^2/NDF:25291.2/9

+ sign 1114.234+/-0.205 χ^2/NDF: 651508.5/25

All: 1116.359+/-0.143 χ^2/NDF: 900264.2/53

- sign 1118.372+/-0.200 χ^2/NDF: 248546.6/27



Right In: 18.468+/-161.237 χ^2/NDF: 19.2/15

Left Out: -572.228+/-166.275 χ^2/NDF:17.1/9

Right Out: -289.946+/-156.189 χ^2/NDF: 13.5/17

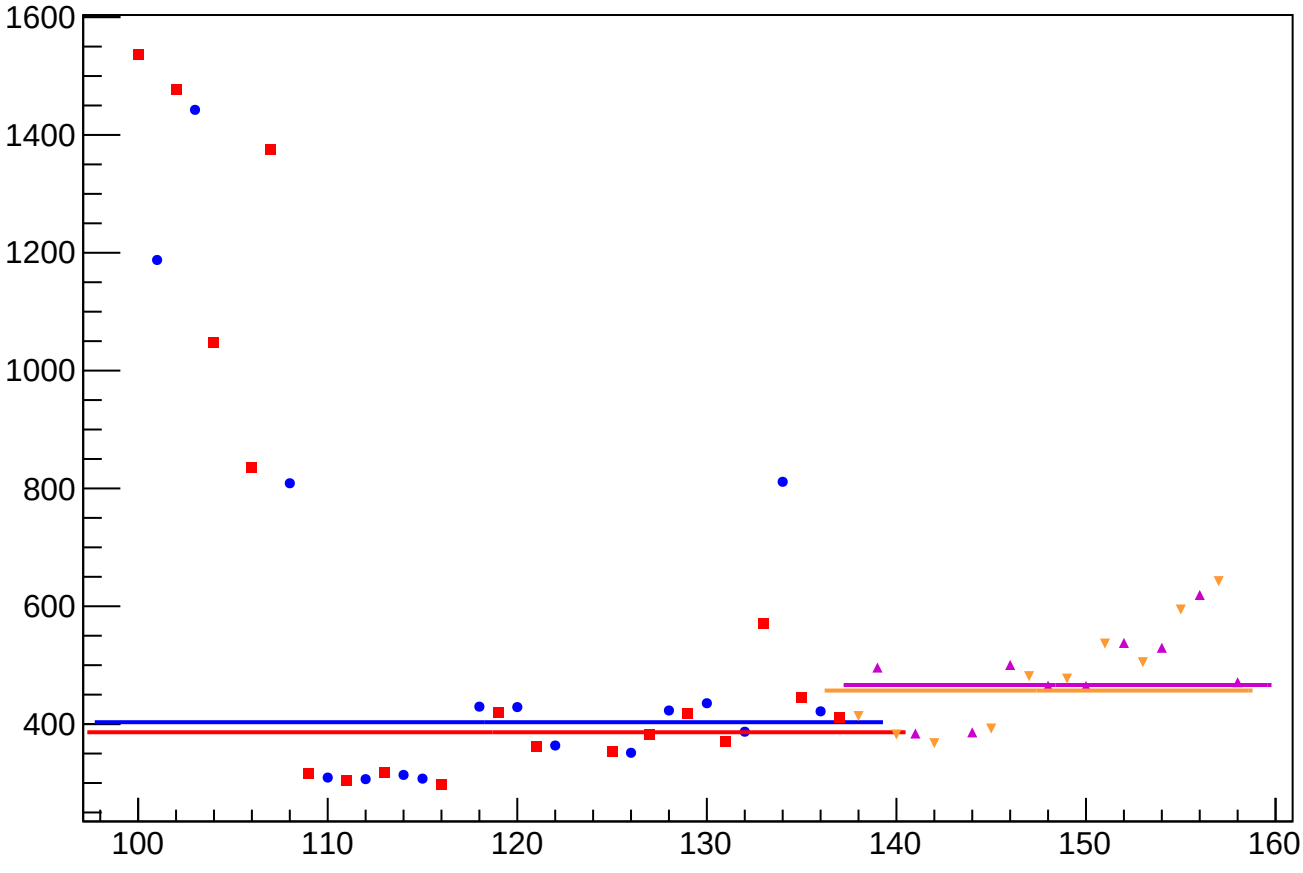
Left In: -51.590+/-159.803 χ^2/NDF:8.0/9

\+ sign -267.796+/-115.752 χ^2/NDF: 42.8/25

All: -218.964+/-80.377 χ^2/NDF: 65.8/53

\- sign -173.493+/-111.698 χ^2/NDF: 22.6/27

asym_us_dd_atlr_dd_dd_reg_correction_rms vs Slug



Right In: 403.194+/-0.114 χ^2/NDF: 1808432.3/15

Left Out: 456.945+/-0.118 χ^2/NDF:459479.4/9

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

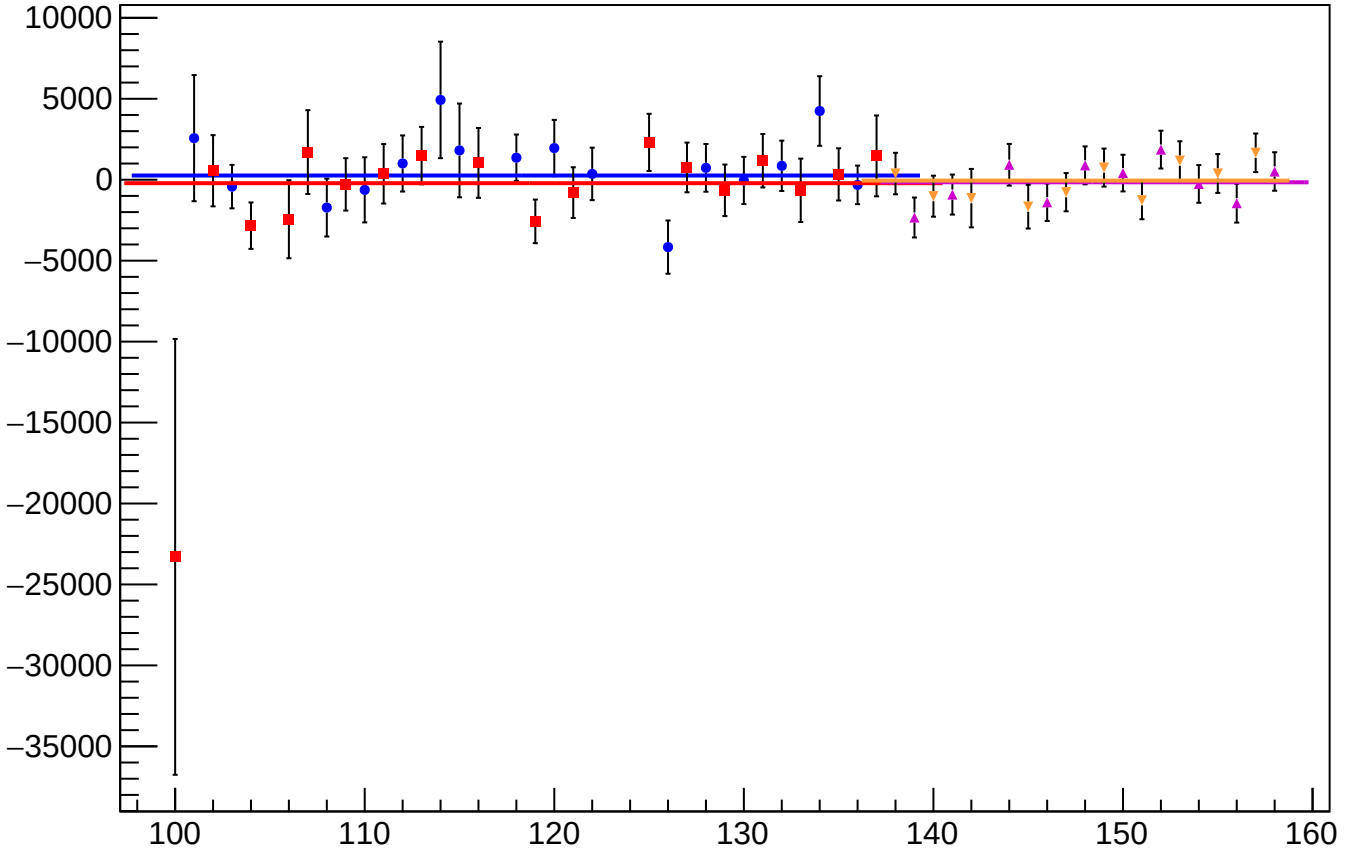
Left In: 466.332+/-0.113 χ^2/NDF:327389.7/9

+ sign 429.243+/-0.082 χ^2/NDF: 2375626.1/25

All: 427.213+/-0.057 χ^2/NDF: 4720858.3/53

- sign 425.322+/-0.079 χ^2/NDF: 2344043.9/27

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -53.005+/-396.842 χ^2/NDF:7.6/9

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

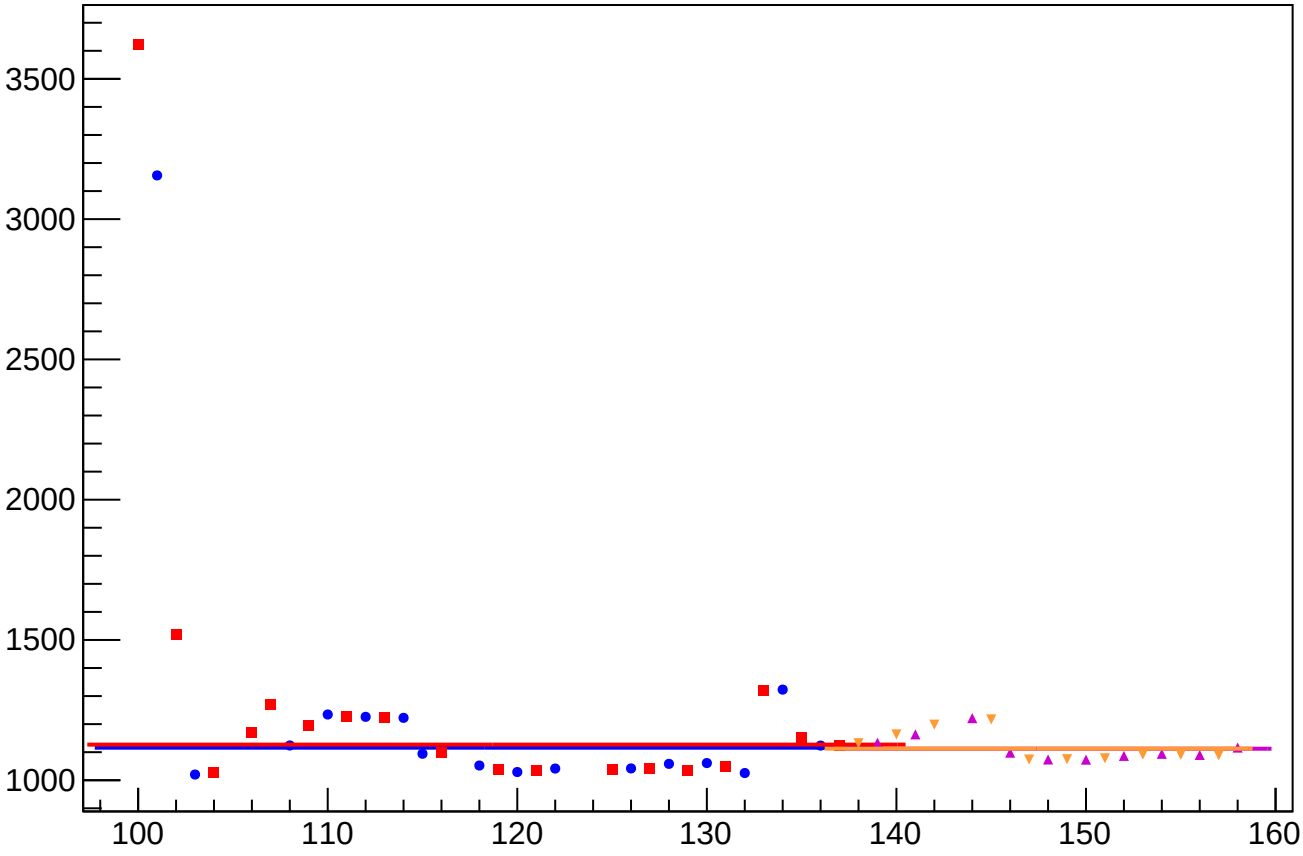
Left In: -158.335+/-376.890 χ^2/NDF:10.8/9

+ sign 93.105+/-289.945 χ^2/NDF: 24.9/25

All: -48.585+/-202.292 χ^2/NDF: 52.4/53

- sign -182.973+/-282.374 χ^2/NDF: 27.1/27

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1112.615+/-0.281 χ^2/NDF:28046.1/9

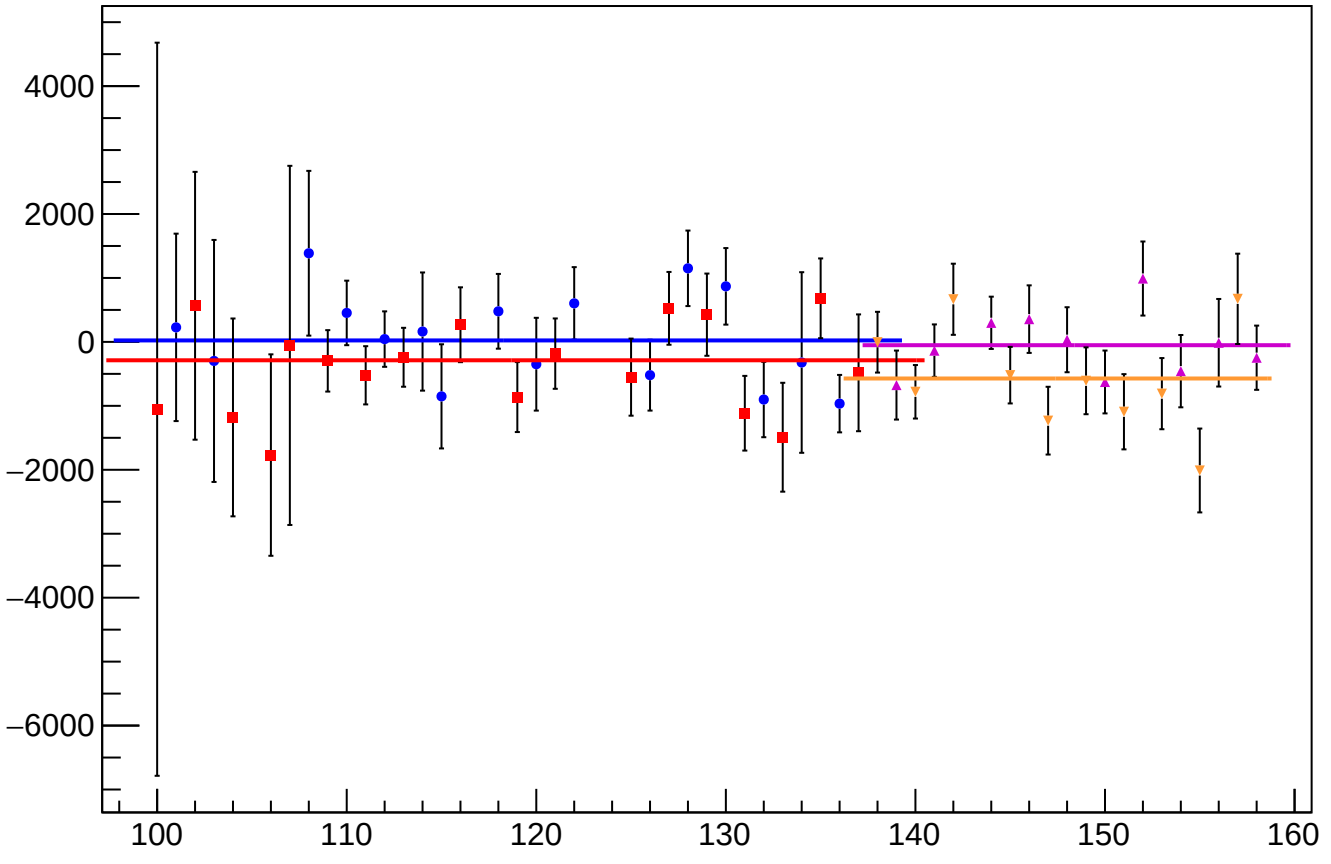
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1112.384+/-0.267 χ^2/NDF:25291.2/9

+ sign 1114.234+/-0.205 χ^2/NDF: 651509.5/25

All: 1116.566+/-0.143 χ^2/NDF: 901105.2/53

- sign 1118.778+/-0.200 χ^2/NDF: 249343.7/27



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -572.332+/-166.275 χ^2/NDF:17.1/9

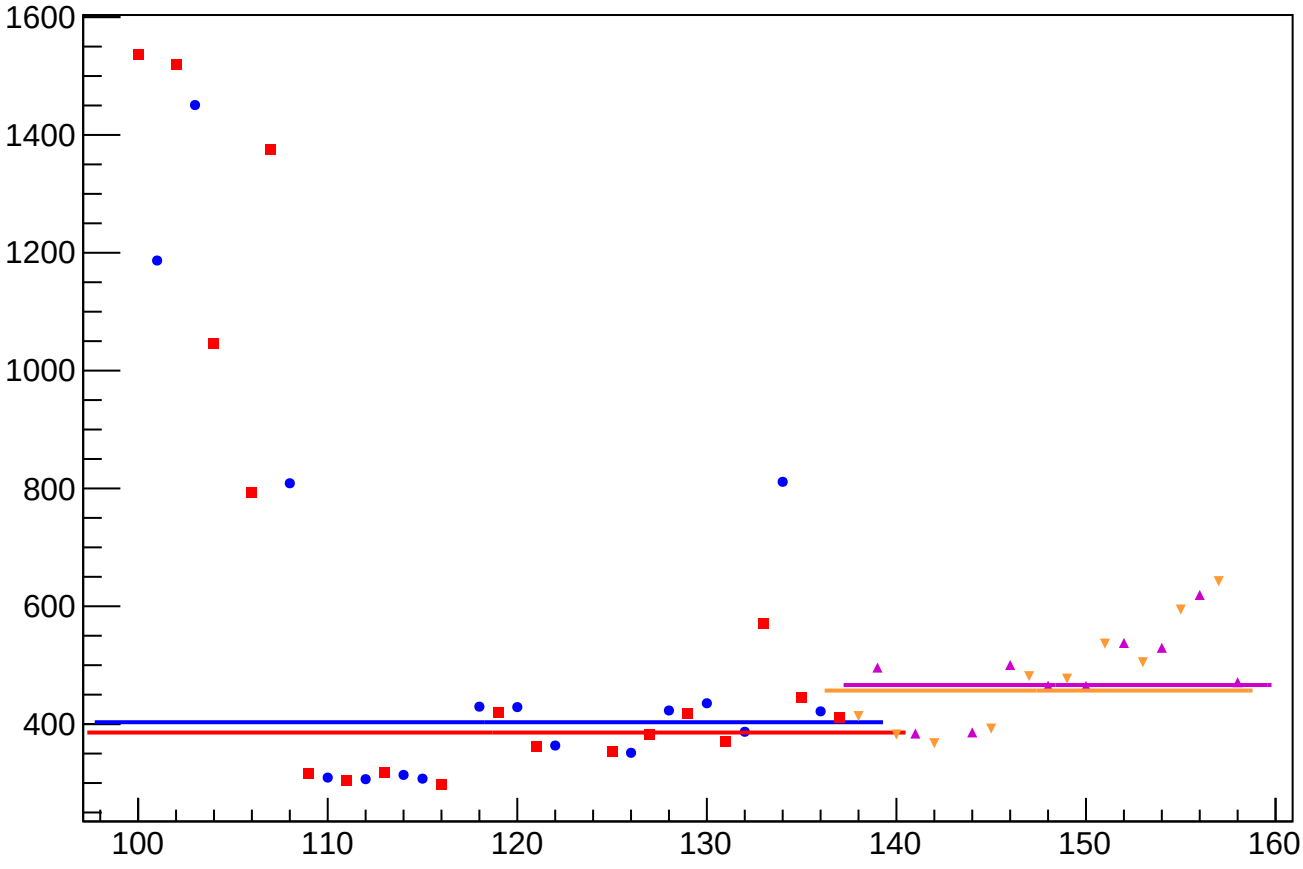
Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: -51.640+/-159.801 χ^2/NDF:8.0/9

\+ sign -265.553+/-115.752 χ^2/NDF: 42.7/25

All: -217.272+/-80.380 χ^2/NDF: 65.8/53

\- sign -172.307+/-111.706 χ^2/NDF: 22.8/27



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 456.943+/-0.118 χ^2/NDF:459500.7/9

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

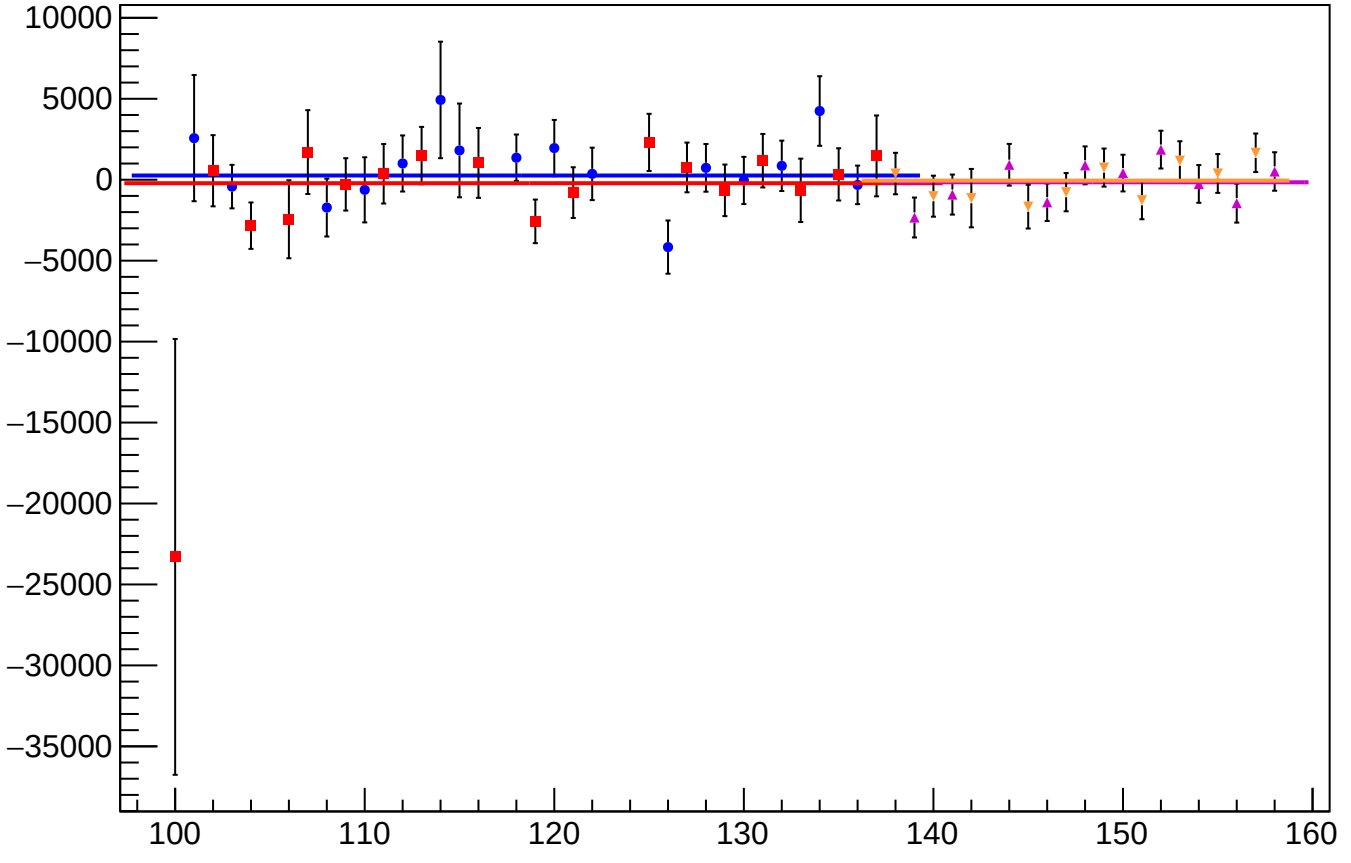
Left In: 466.328+/-0.113 χ^2/NDF:327368.3/9

+ sign 429.236+/-0.082 χ^2/NDF: 2379363.7/25

All: 427.089+/-0.057 χ^2/NDF: 4715686.5/53

- sign 425.089+/-0.079 χ^2/NDF: 2334993.6/27

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -53.005+/-396.842 χ^2/NDF:7.6/9

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

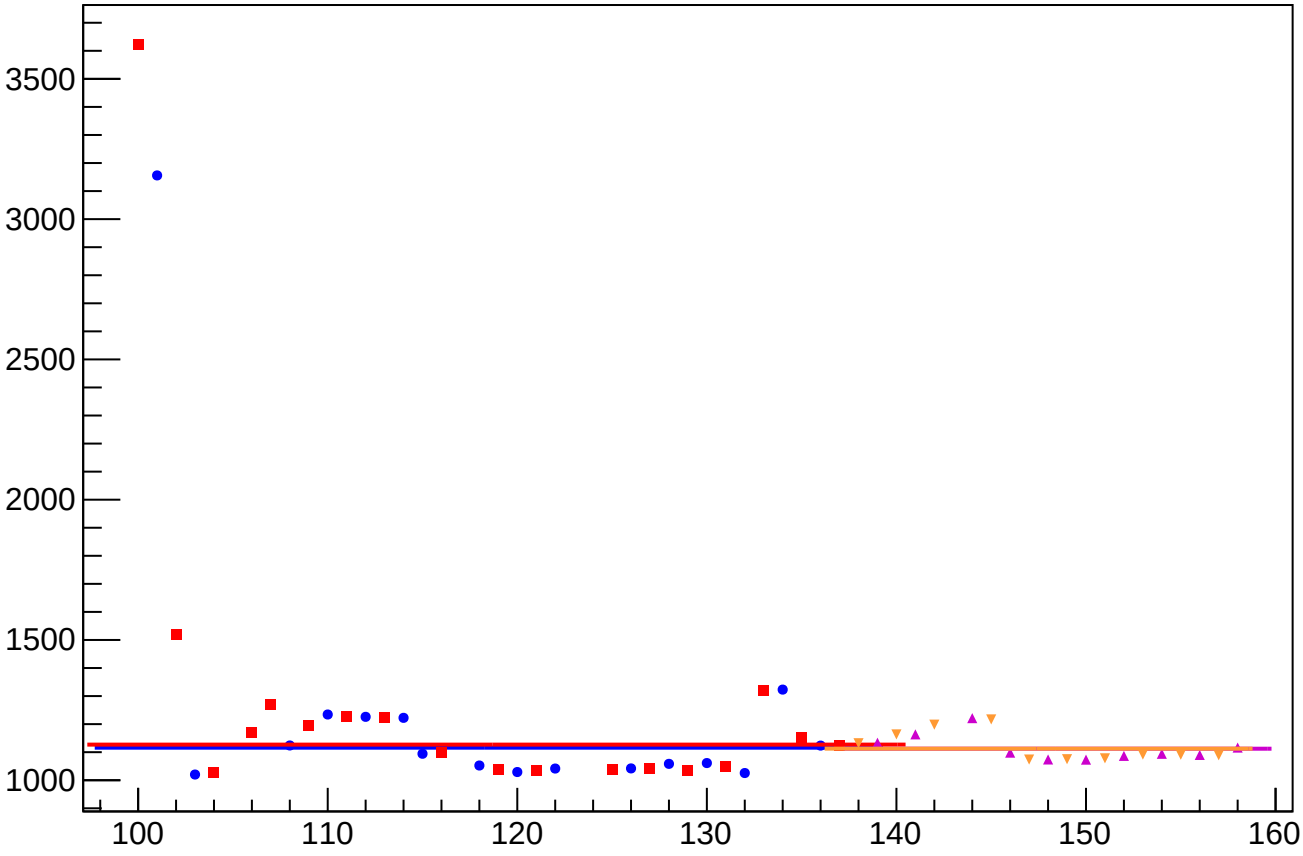
Left In: -158.335+/-376.890 χ^2/NDF:10.8/9

+ sign 93.105+/-289.945 χ^2/NDF: 24.9/25

All: -48.585+/-202.292 χ^2/NDF: 52.4/53

- sign -182.973+/-282.374 χ^2/NDF: 27.1/27

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1112.615+/-0.281 χ^2/NDF:28046.1/9

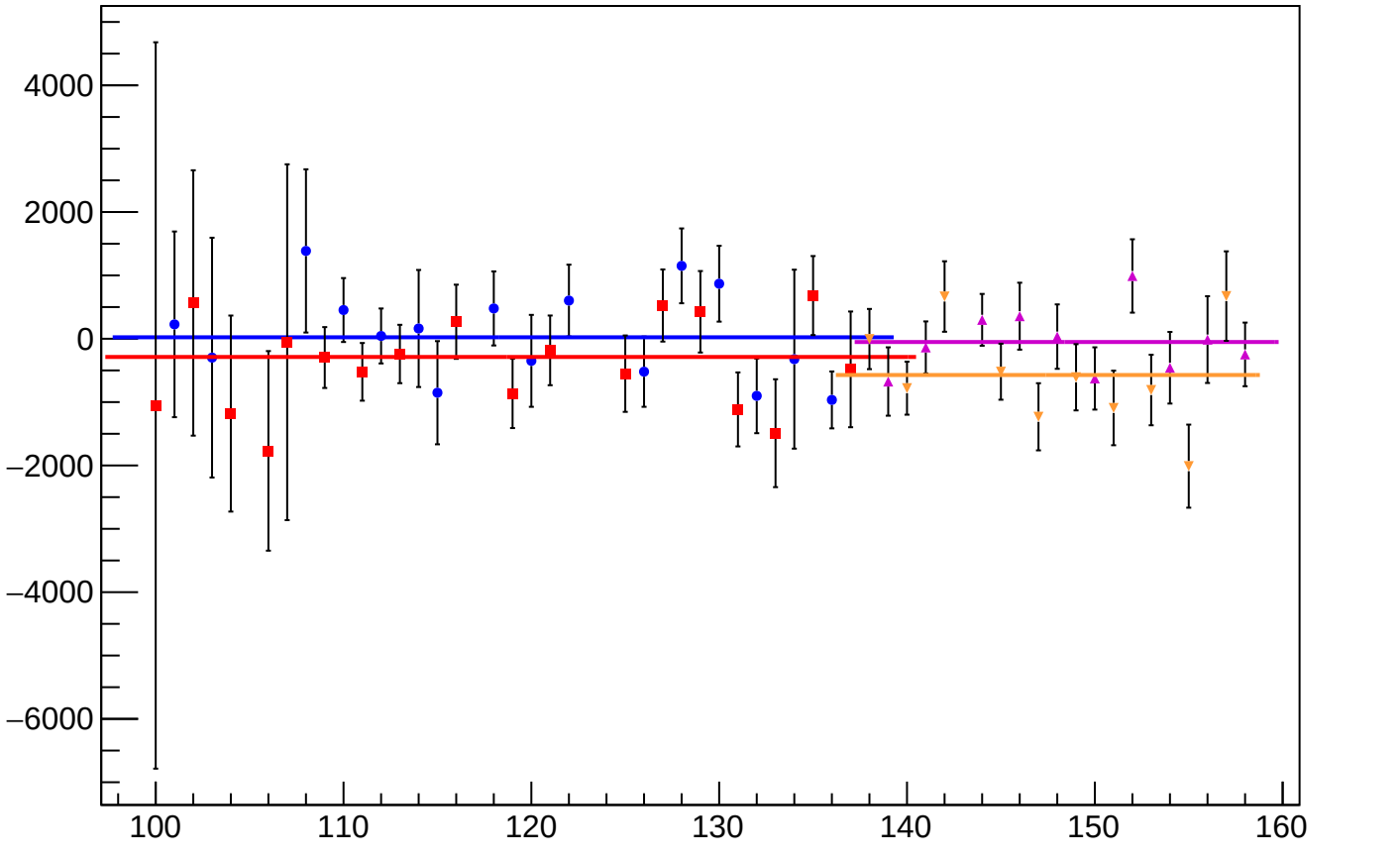
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1112.384+/-0.267 χ^2/NDF:25291.2/9

+ sign 1114.234+/-0.205 χ^2/NDF: 651509.5/25

All: 1116.566+/-0.143 χ^2/NDF: 901105.2/53

- sign 1118.778+/-0.200 χ^2/NDF: 249343.7/27



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -572.332+/-166.275 χ^2/NDF:17.1/9

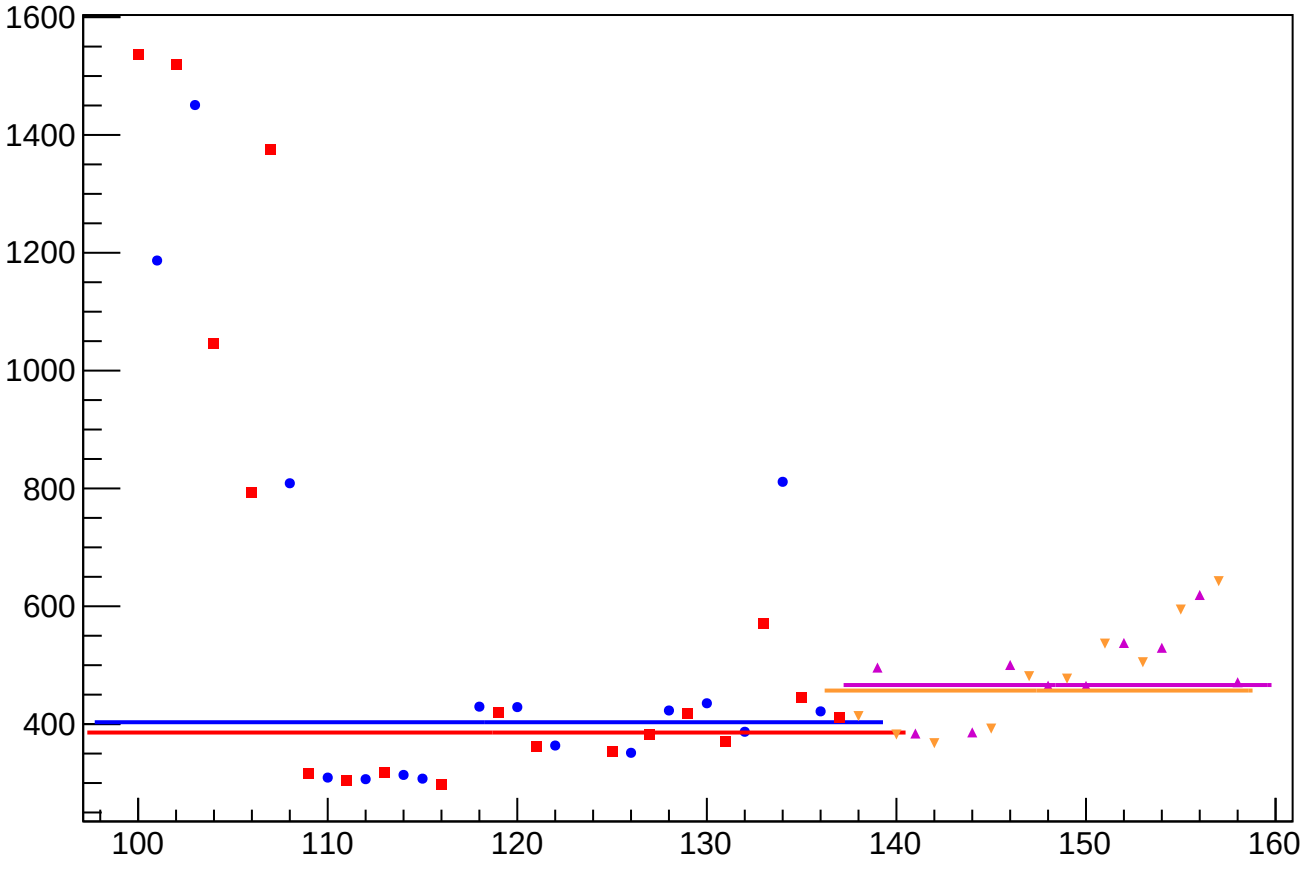
Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: -51.640+/-159.801 χ^2/NDF:8.0/9

\+ sign -265.553+/-115.752 χ^2/NDF: 42.7/25

All: -217.272+/-80.380 χ^2/NDF: 65.8/53

\- sign -172.307+/-111.706 χ^2/NDF: 22.8/27



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 456.943+/-0.118 χ^2/NDF:459500.7/9

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

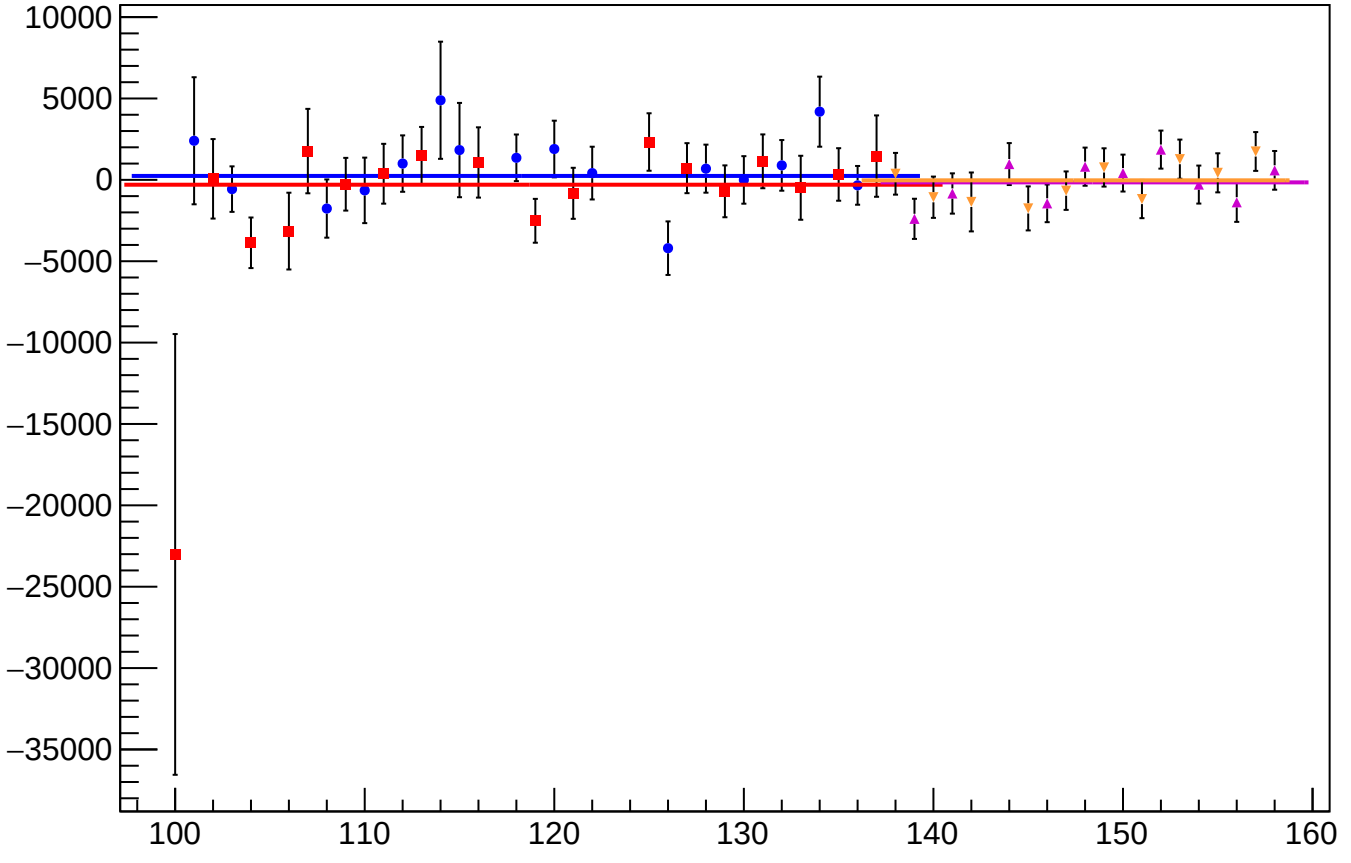
Left In: 466.328+/-0.113 χ^2/NDF:327368.3/9

+ sign 429.236+/-0.082 χ^2/NDF: 2379363.7/25

All: 427.089+/-0.057 χ^2/NDF: 4715686.5/53

- sign 425.089+/-0.079 χ^2/NDF: 2334993.6/27

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: -29.410+/-397.325 χ^2/NDF:8.2/9

Right Out: -298.921+/-430.767 χ^2/NDF: 18.7/17

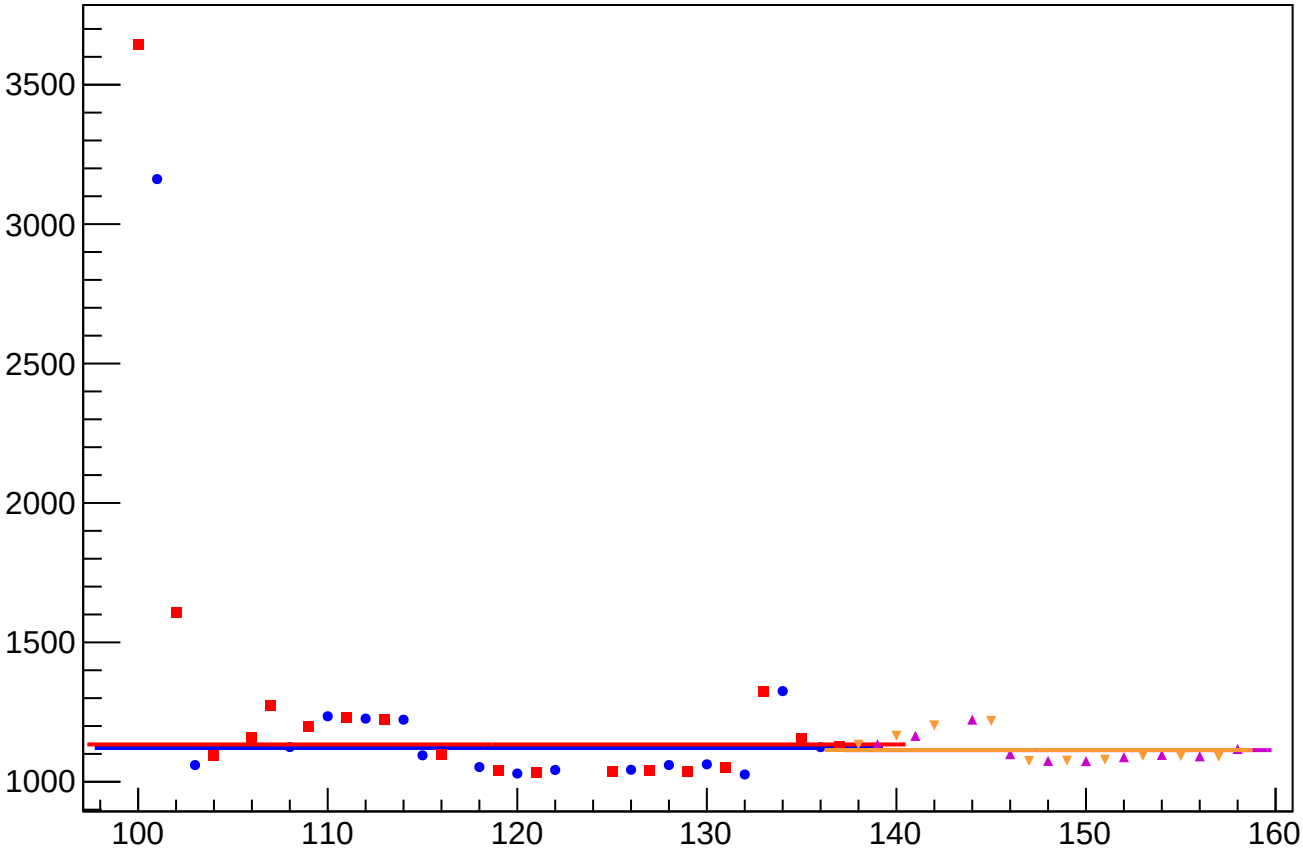
Left In: -155.321+/-377.300 χ^2/NDF:10.9/9

+ sign 96.121+/-290.748 χ^2/NDF: 25.3/25

All: -64.551+/-203.097 χ^2/NDF: 55.6/53

- sign -217.661+/-283.823 χ^2/NDF: 29.7/27

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1113.946+/-0.281 χ^2/NDF:28397.4/9

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

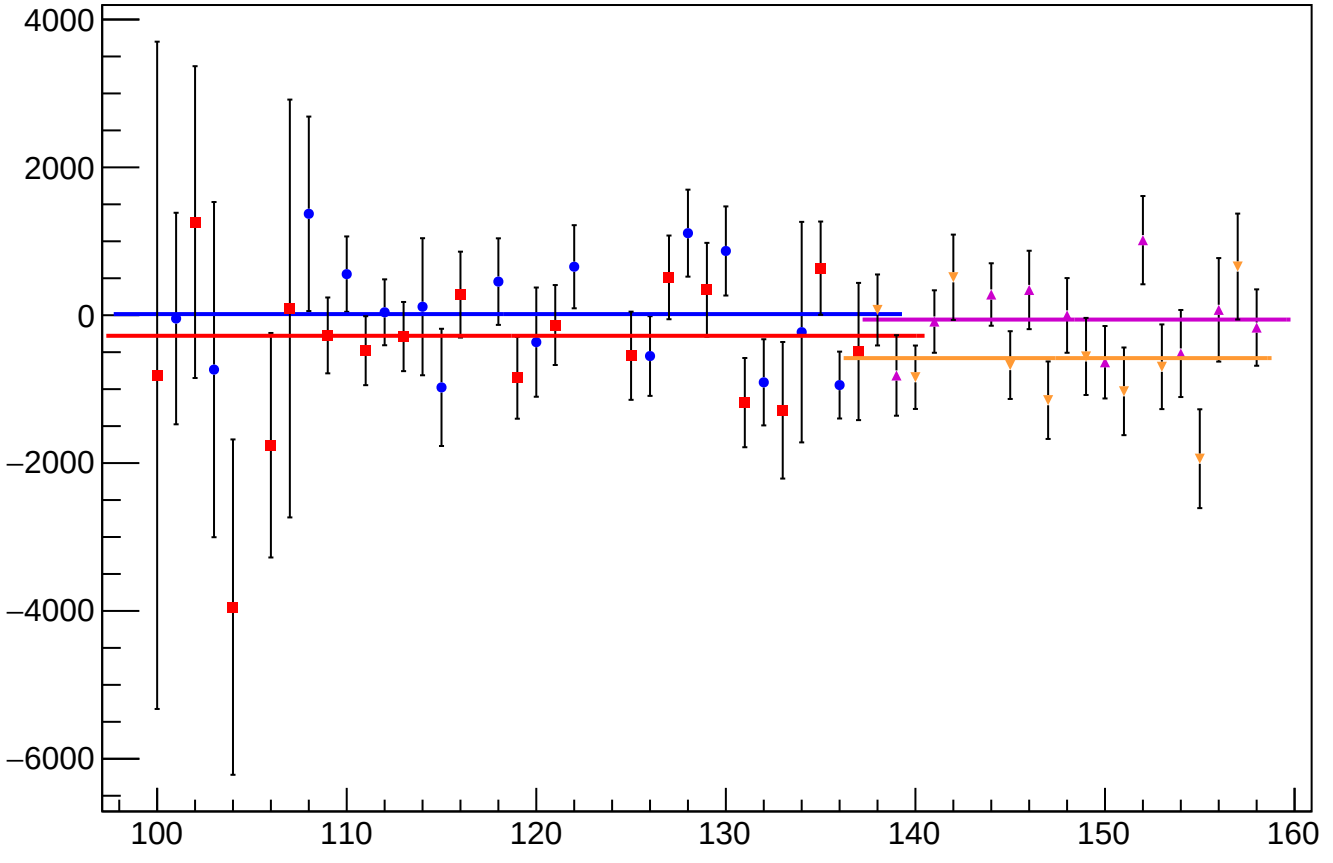
Left In: 1113.586+/-0.267 χ^2/NDF:25381.3/9

+ sign 1117.359+/-0.206 χ^2/NDF: 645743.5/25

All: 1119.949+/-0.144 χ^2/NDF: 901416.0/53

- sign 1122.417+/-0.201 χ^2/NDF: 255362.5/27

asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug



Right In: 15.291+/-161.845 χ^2/NDF: 19.6/15

Left Out: -580.215+/-169.185 χ^2/NDF:14.8/9

Right Out: -278.251+/-158.828 χ^2/NDF: 15.1/17

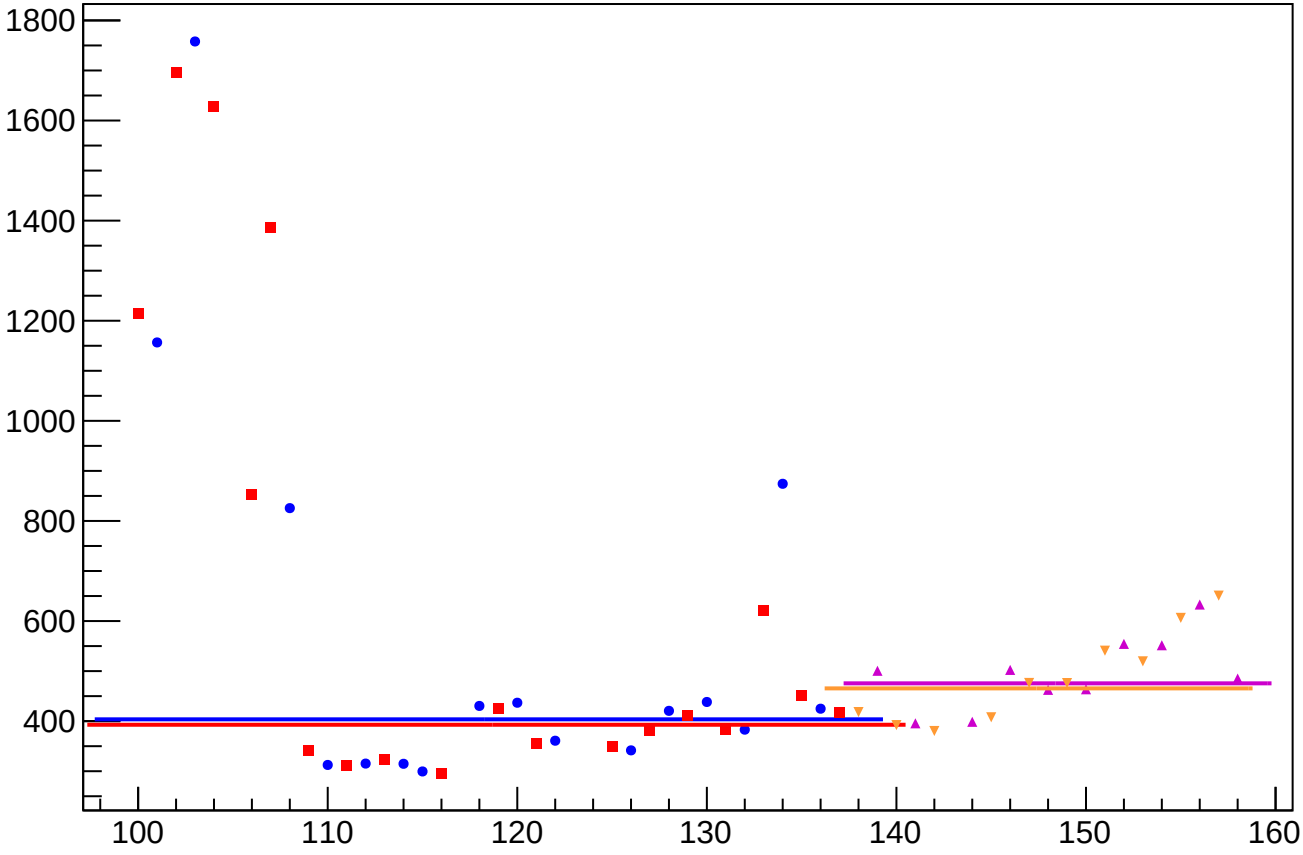
Left In: -58.921+/-162.882 χ^2/NDF:8.5/9

\+ sign -269.265+/-116.951 χ^2/NDF: 40.9/25

All: -218.934+/-81.528 χ^2/NDF: 65.7/53

\- sign -171.350+/-113.714 χ^2/NDF: 24.5/27

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug



Right In: 403.656+/-0.114 χ^2/NDF: 1929597.5/15

Left Out: 465.469+/-0.120 χ^2/NDF:427668.1/9

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

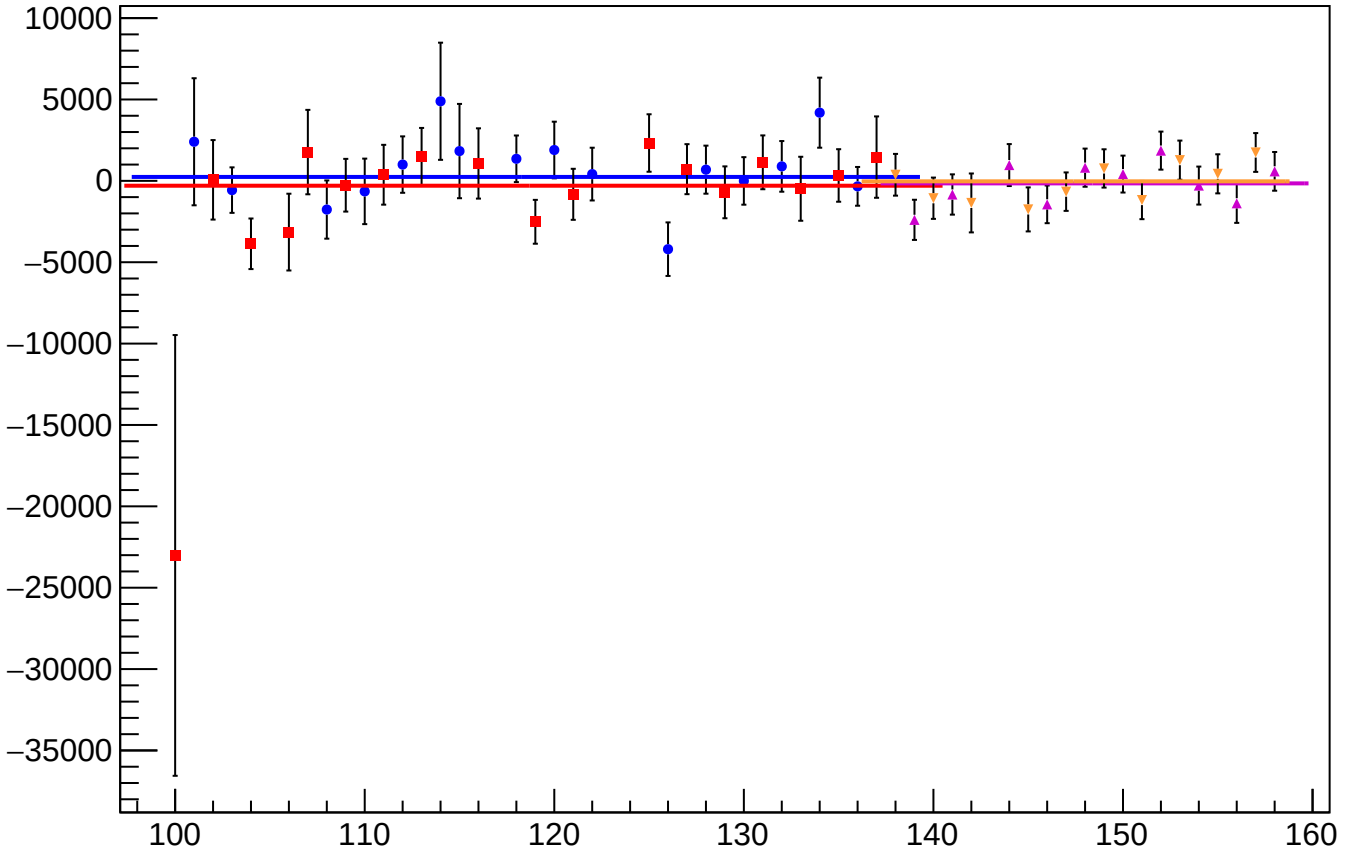
Left In: 475.566+/-0.115 χ^2/NDF:319562.5/9

+ sign 433.193+/-0.083 χ^2/NDF: 2496671.6/25

All: 433.171+/-0.058 χ^2/NDF: 5284266.0/53

- sign 433.150+/-0.080 χ^2/NDF: 2787594.3/27

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 240.829+/-426.592 χ^2/NDF: 17.0/15

Left Out: -29.416+/-397.325 χ^2/NDF:8.2/9

Right Out: -298.922+/-430.767 χ^2/NDF: 18.7/17

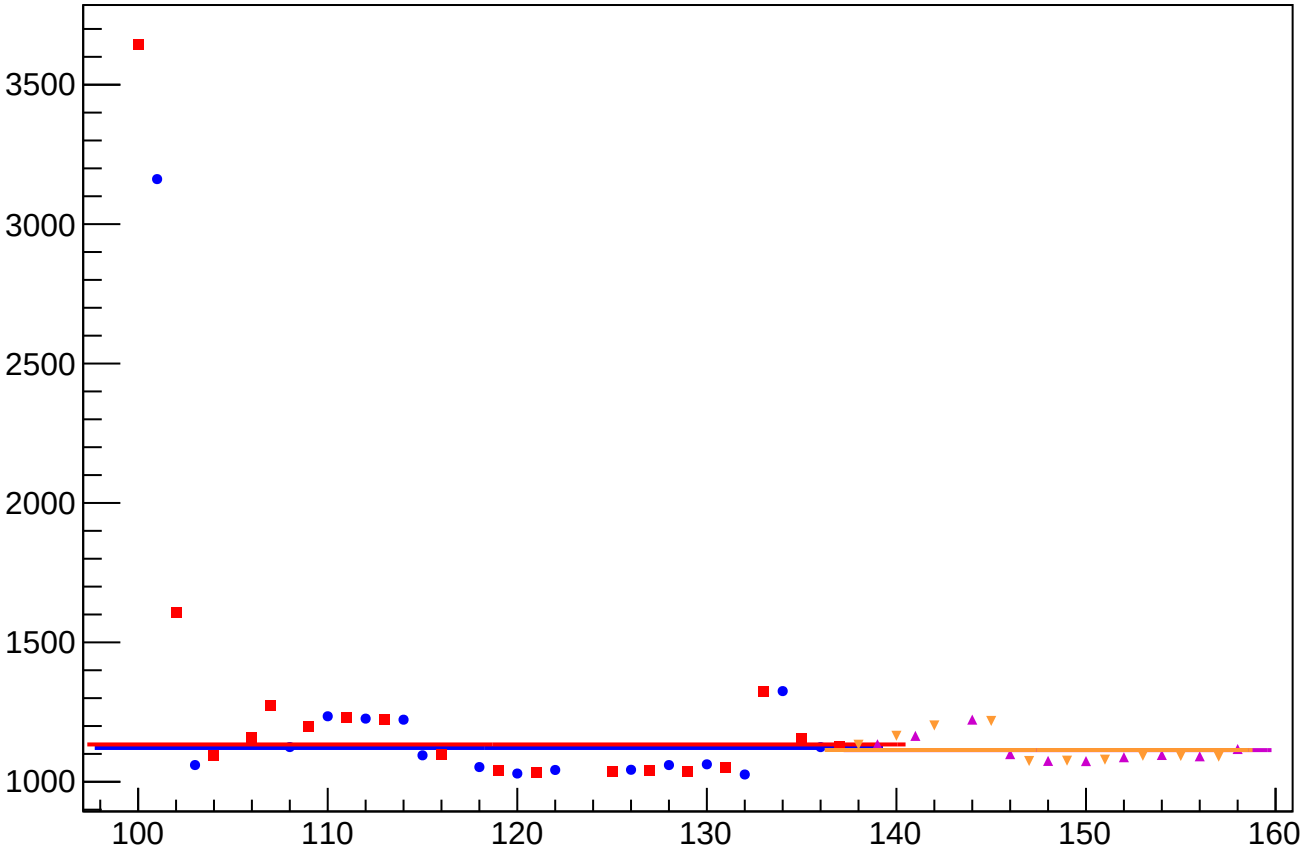
Left In: -155.319+/-377.300 χ^2/NDF:10.9/9

+ sign 96.119+/-290.748 χ^2/NDF: 25.3/25

All: -64.552+/-203.097 χ^2/NDF: 55.6/53

- sign -217.660+/-283.823 χ^2/NDF: 29.7/27

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1113.946+/-0.281 χ^2/NDF:28397.4/9

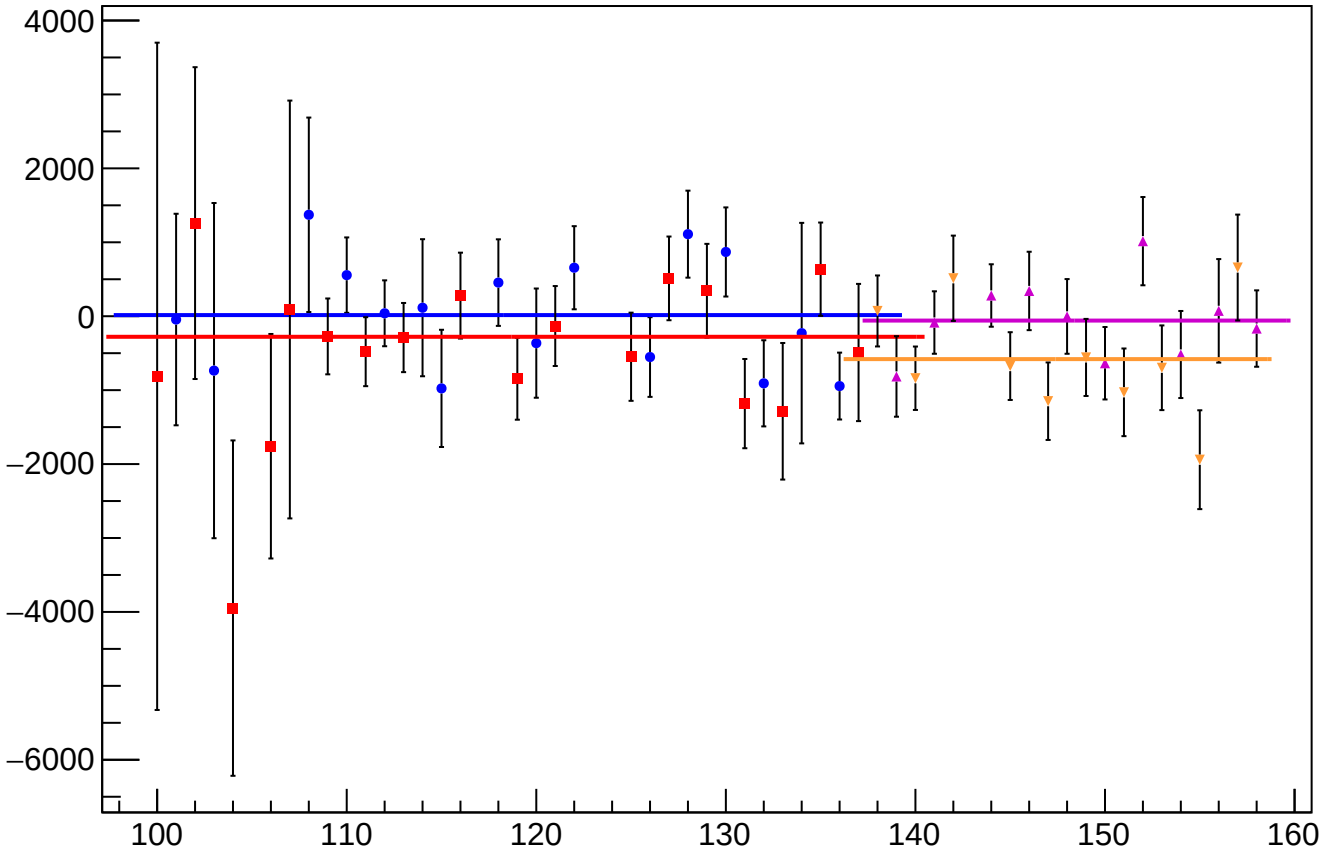
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1113.586+/-0.267 χ^2/NDF:25381.4/9

+ sign 1117.359+/-0.206 χ^2/NDF: 645743.5/25

All: 1119.949+/-0.144 χ^2/NDF: 901416.1/53

- sign 1122.417+/-0.201 χ^2/NDF: 255362.6/27



Right In: 15.288+/-161.844 χ^2/NDF: 19.6/15

Left Out: -580.223+/-169.185 χ^2/NDF:14.8/9

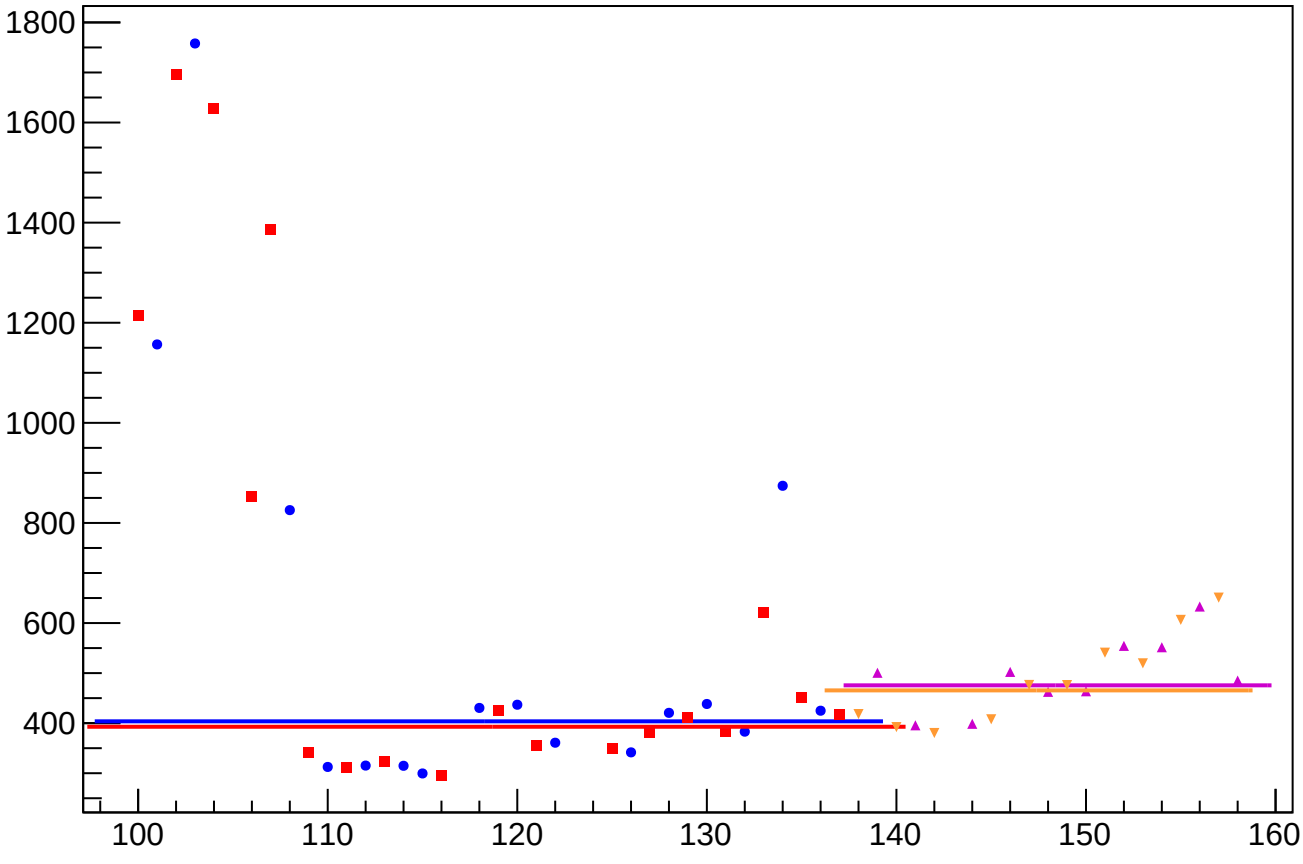
Right Out: -278.249+/-158.826 χ^2/NDF: 15.1/17

Left In: -58.923+/-162.883 χ^2/NDF:8.5/9

\+ sign -269.268+/-116.950 χ^2/NDF: 40.9/25

All: -218.936+/-81.528 χ^2/NDF: 65.7/53

\- sign -171.351+/-113.714 χ^2/NDF: 24.5/27



Right In: 403.653+/-0.114 χ^2/NDF: 1929594.3/15

Left Out: 465.470+/-0.120 χ^2/NDF:427692.1/9

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

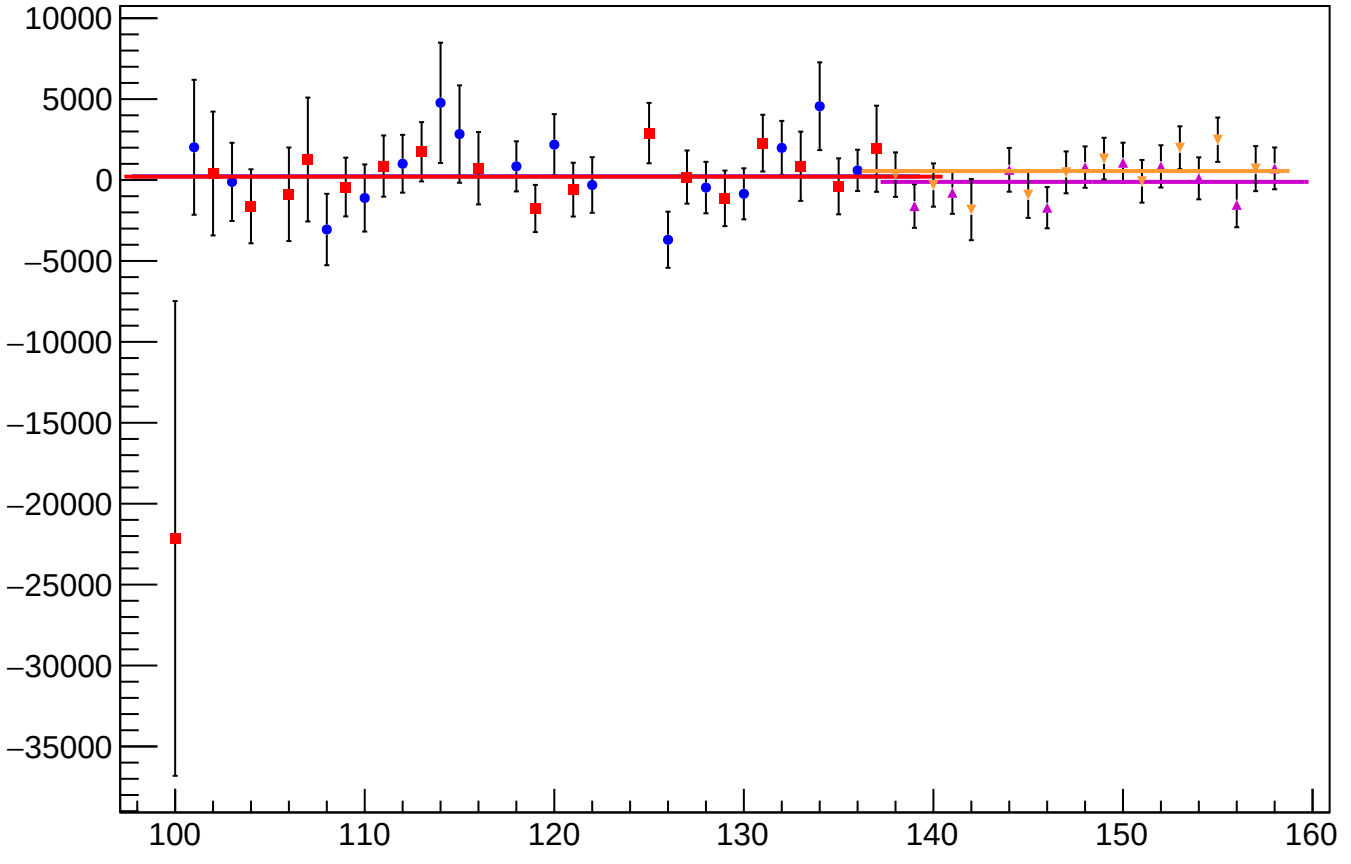
Left In: 475.568+/-0.115 χ^2/NDF:319573.6/9

+ sign 433.191+/-0.083 χ^2/NDF: 2496711.2/25

All: 433.170+/-0.058 χ^2/NDF: 5284356.1/53

- sign 433.149+/-0.080 χ^2/NDF: 2787644.8/27

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: 555.526+/-436.536 χ^2/NDF:6.9/9

Right Out: 209.751+/-477.820 χ^2/NDF: 11.0/17

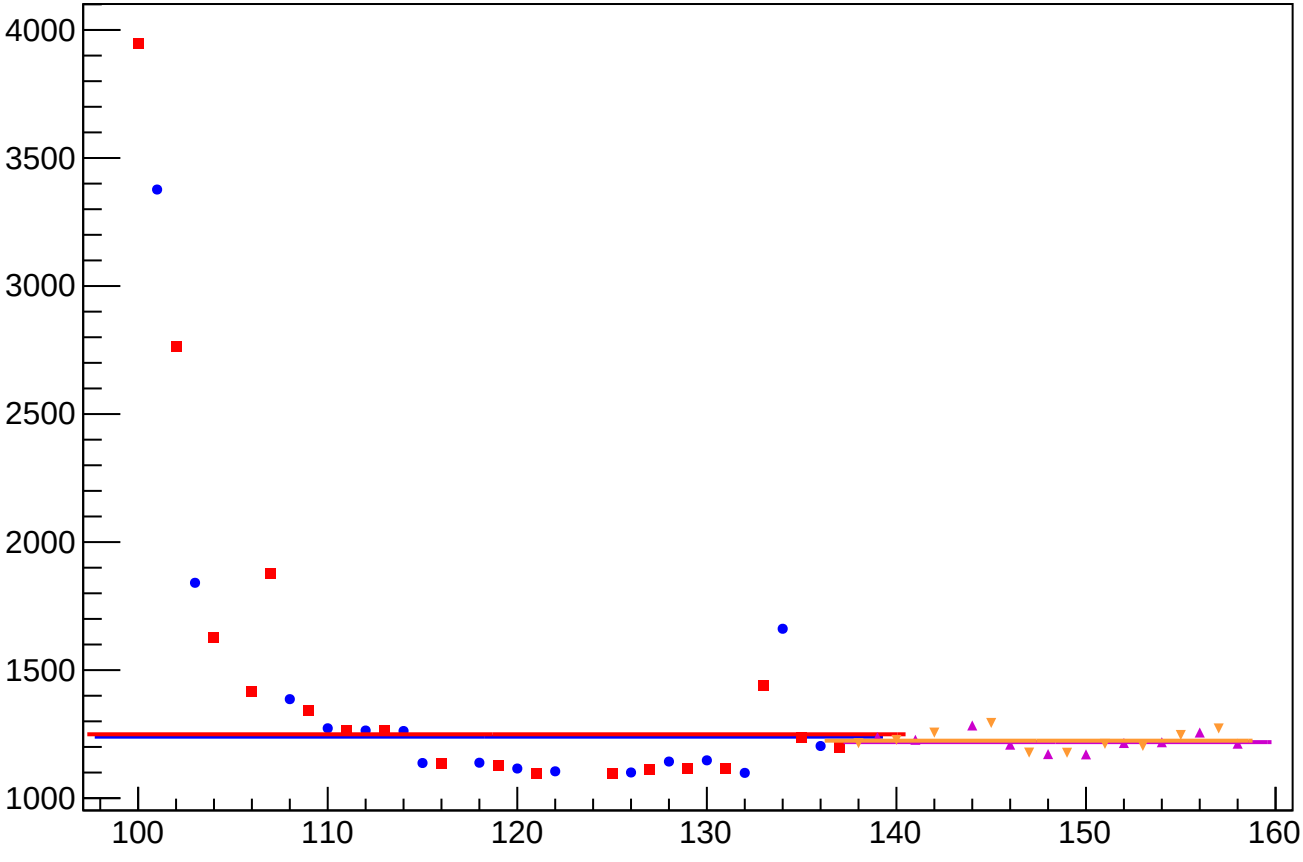
Left In: -114.244+/-412.810 χ^2/NDF:6.8/9

+ sign 403.949+/-321.280 χ^2/NDF: 23.2/25

All: 208.755+/-223.965 χ^2/NDF: 42.0/53

- sign 24.229+/-312.376 χ^2/NDF: 18.0/27

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1224.456+/-0.309 χ^2/NDF:14124.5/9

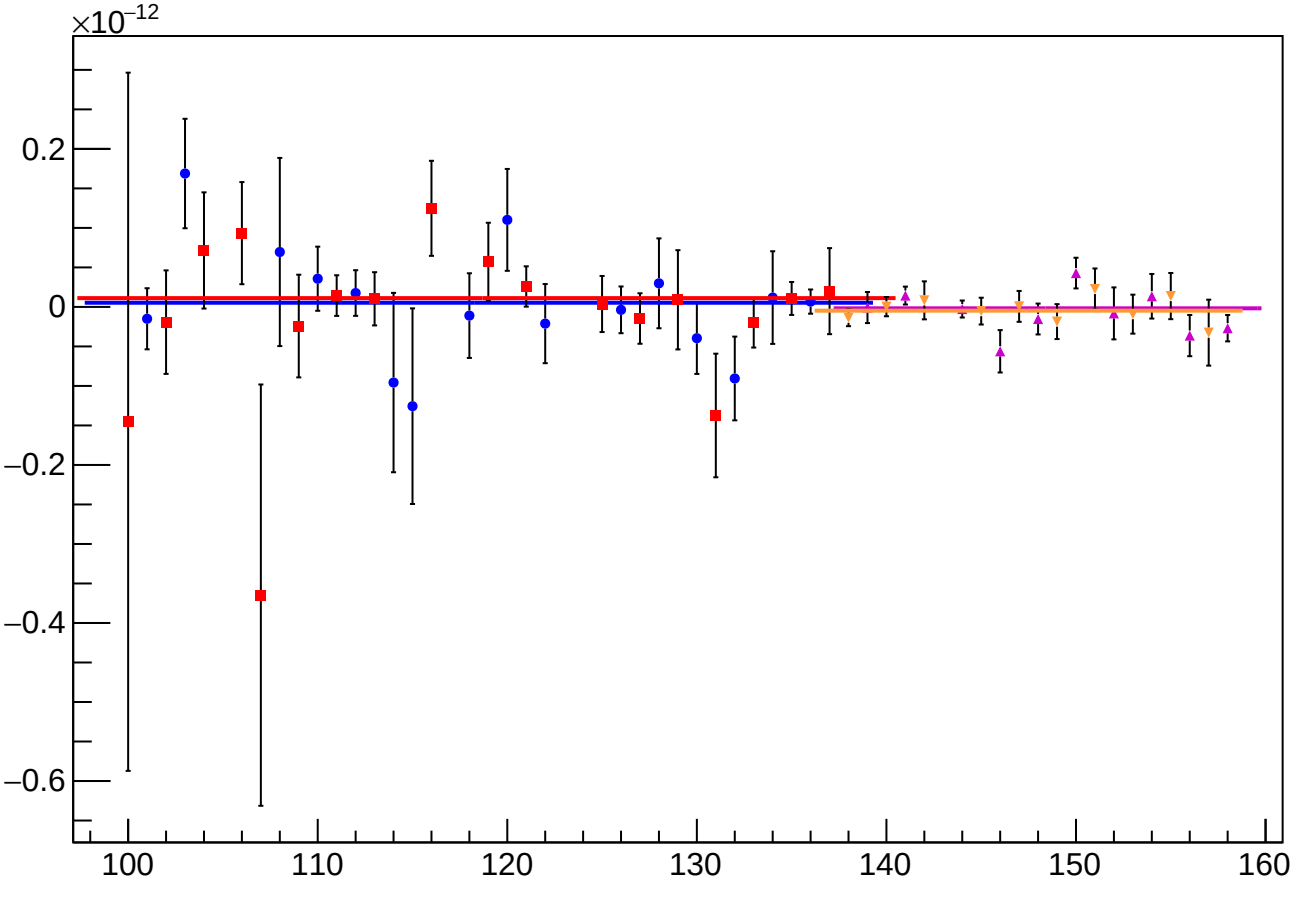
Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1218.799+/-0.292 χ^2/NDF:12455.9/9

+ sign 1231.644+/-0.227 χ^2/NDF: 797987.6/25

All: 1231.766+/-0.158 χ^2/NDF: 1421243.6/53

- sign 1231.882+/-0.221 χ^2/NDF: 623255.5/27



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.6/9

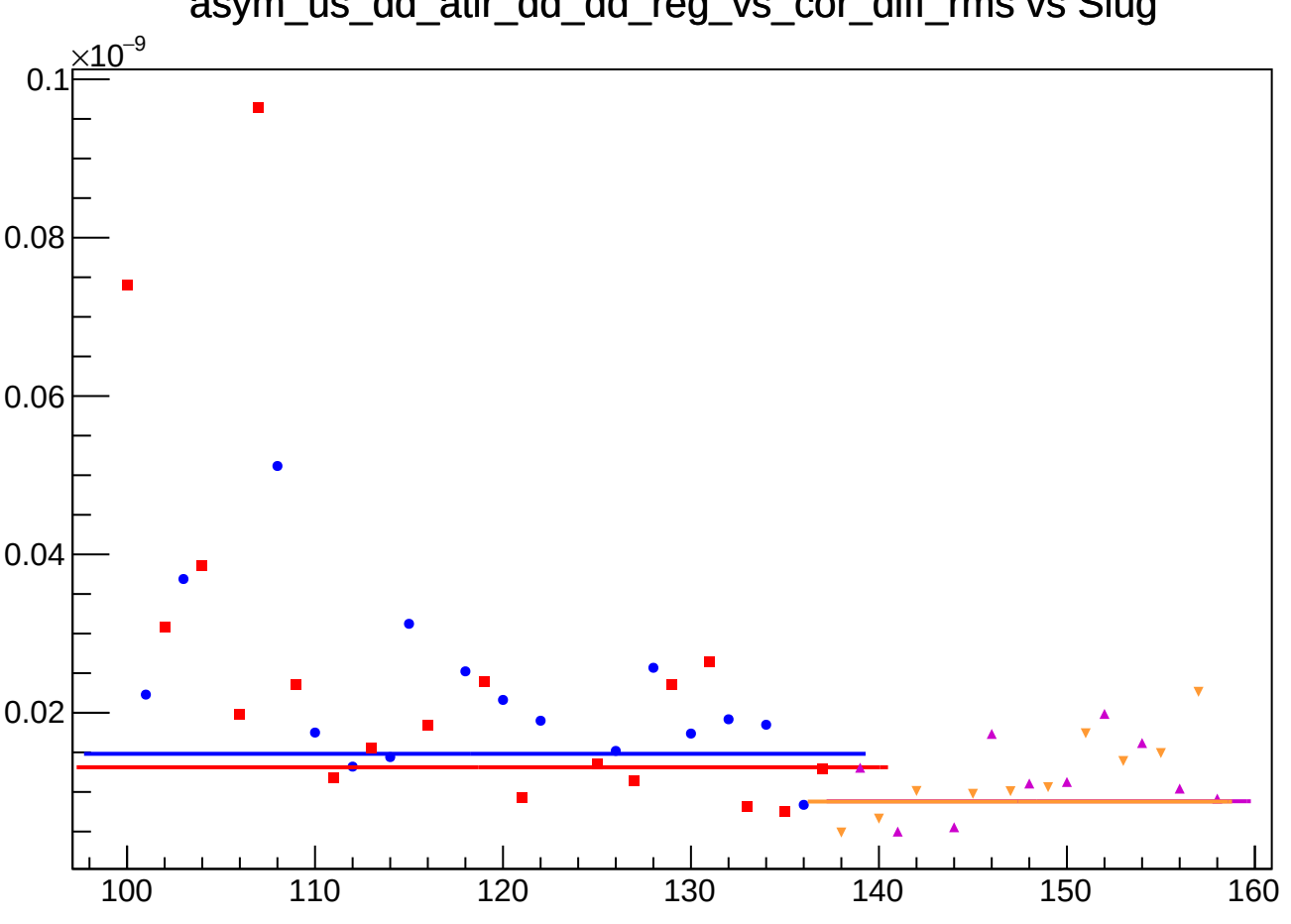
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/17

Left In: -0.000+/-0.000 χ^2/NDF:16.3/9

+ sign -0.000+/-0.000 χ^2/NDF: 20.8/25

All: -0.000+/-0.000 χ^2/NDF: 53.8/53

- sign 0.000+/-0.000 χ^2/NDF: 32.7/27



Right In: 0.000+/-0.000 χ^2/NDF: 1081472.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:983242.7/9

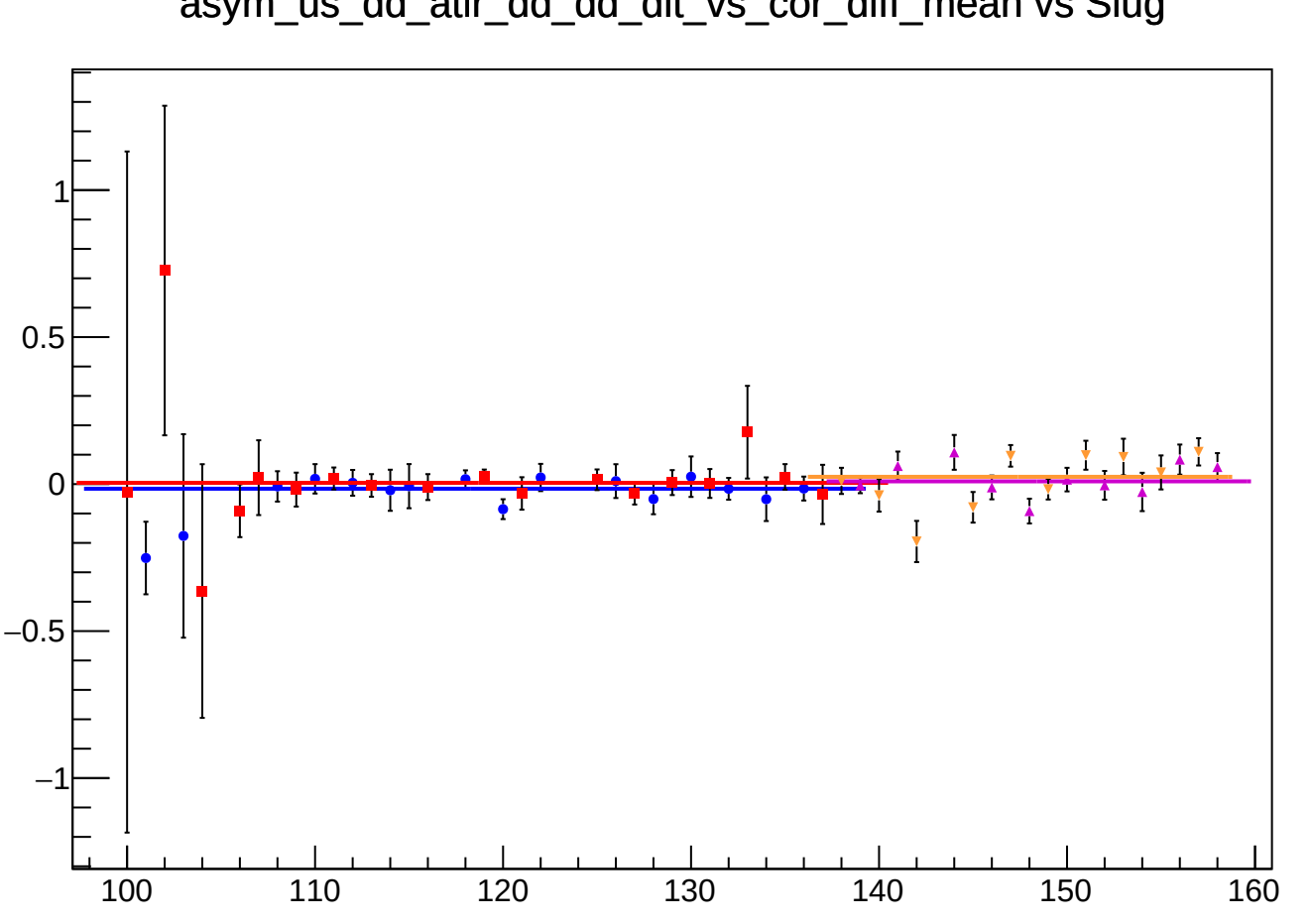
Right Out: 0.000+/-0.000 χ^2/NDF: 1181949.6/17

Left In: 0.000+/-0.000 χ^2/NDF:1135362.5/9

+ sign 0.000+/-0.000 χ^2/NDF: 2641573.7/25

All: 0.000+/-0.000 χ^2/NDF: 5279011.3/53

- sign 0.000+/-0.000 χ^2/NDF: 2629414.3/27



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.025+/-0.015 χ^2/NDF:27.2/9

Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

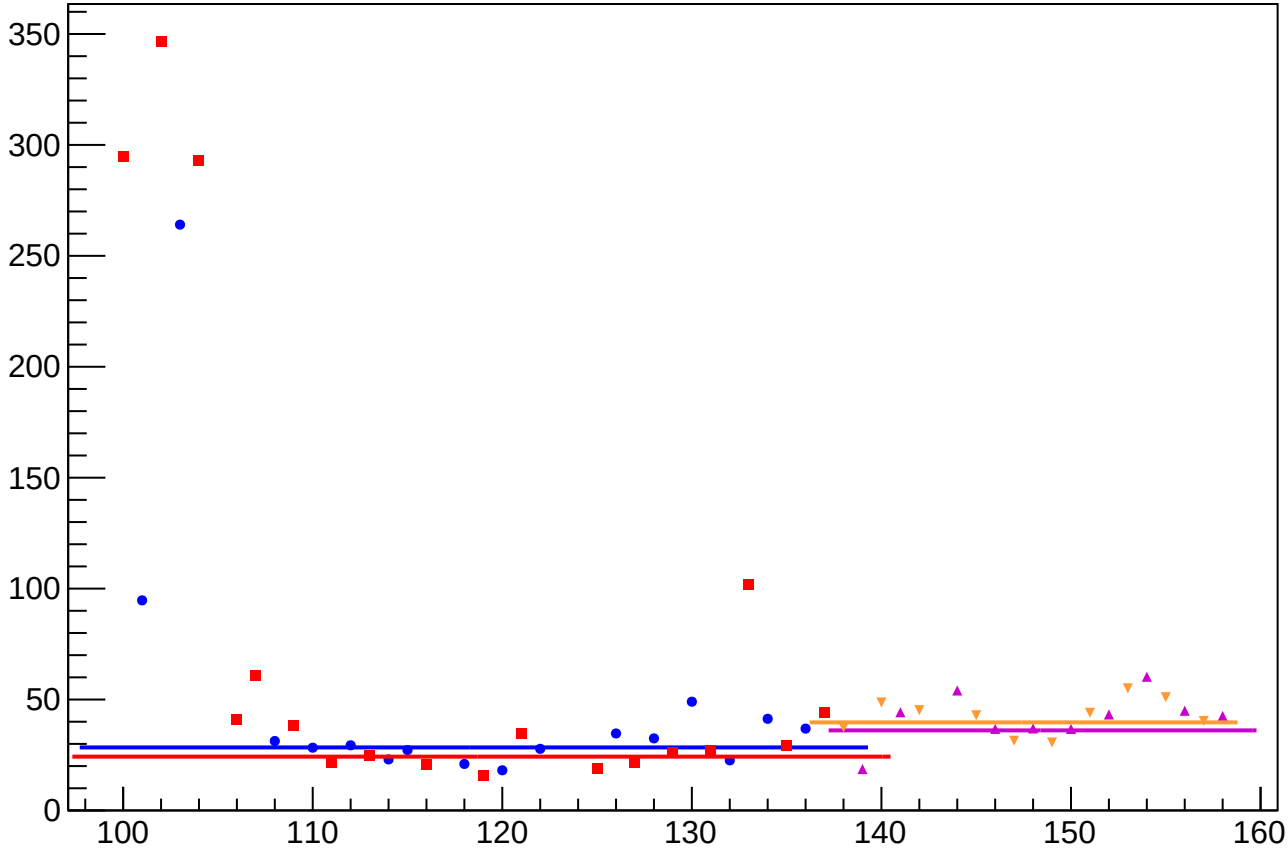
Left In: 0.009+/-0.014 χ^2/NDF:13.8/9

+ sign 0.000+/-0.010 χ^2/NDF: 43.5/25

All: 0.004+/-0.006 χ^2/NDF: 65.4/53

- sign 0.006+/-0.009 χ^2/NDF: 21.7/27

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 39.700+/-0.011 χ^2/NDF:526740.0/9

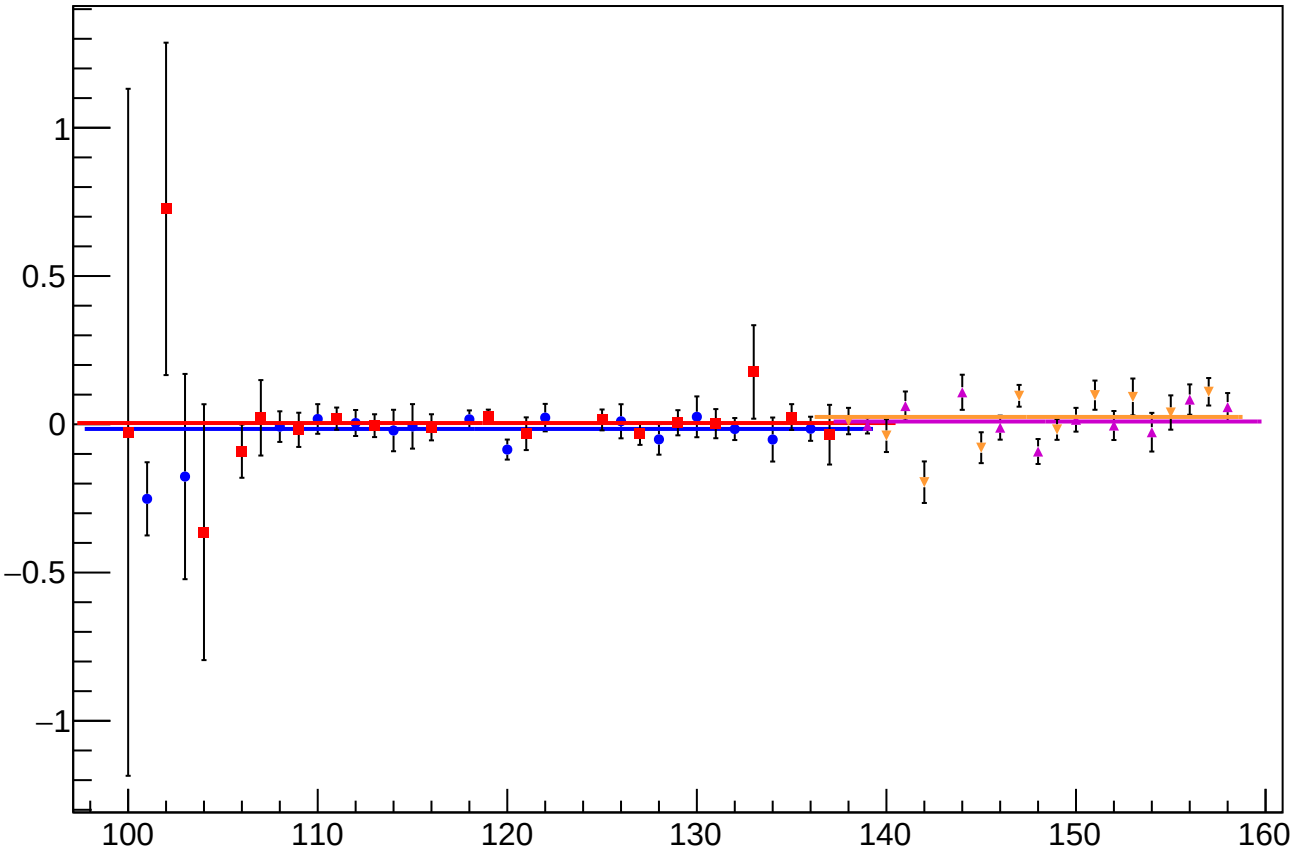
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 36.091+/-0.010 χ^2/NDF:1521769.2/9

+ sign 32.919+/-0.007 χ^2/NDF: 3444325.3/25

All: 30.877+/-0.005 χ^2/NDF: 8935211.8/53

- sign 29.156+/-0.006 χ^2/NDF: 5321979.6/27



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.025+/-0.015 χ^2/NDF:27.2/9

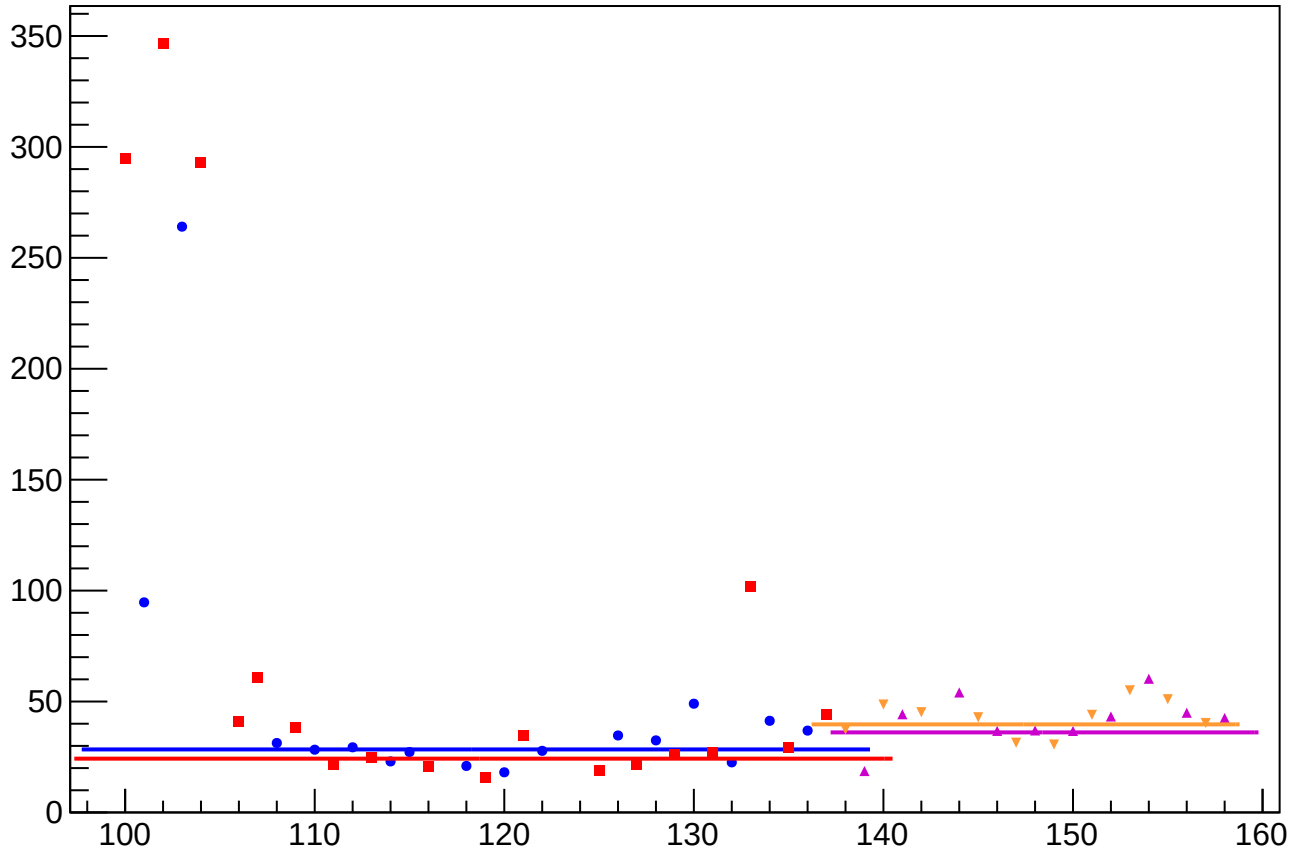
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.009+/-0.014 χ^2/NDF:13.8/9

+ sign 0.000+/-0.010 χ^2/NDF: 43.5/25

All: 0.004+/-0.006 χ^2/NDF: 65.4/53

- sign 0.006+/-0.009 χ^2/NDF: 21.7/27



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 39.700+/-0.011 χ^2/NDF:526740.0/9

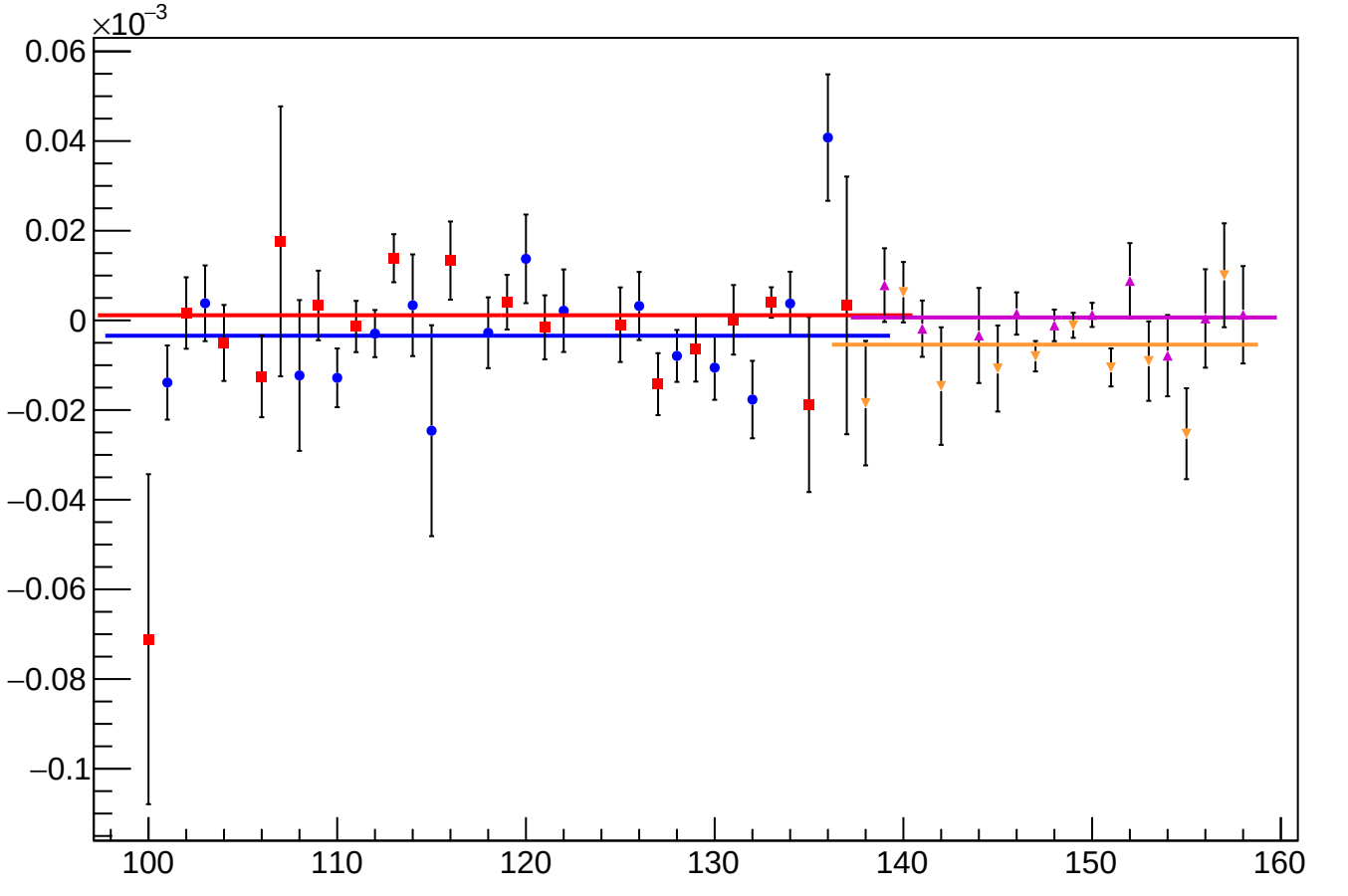
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 36.091+/-0.010 χ^2/NDF:1521769.2/9

+ sign 32.919+/-0.007 χ^2/NDF: 3444325.3/25

All: 30.877+/-0.005 χ^2/NDF: 8935211.8/53

- sign 29.156+/-0.006 χ^2/NDF: 5321979.6/27



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.9/9

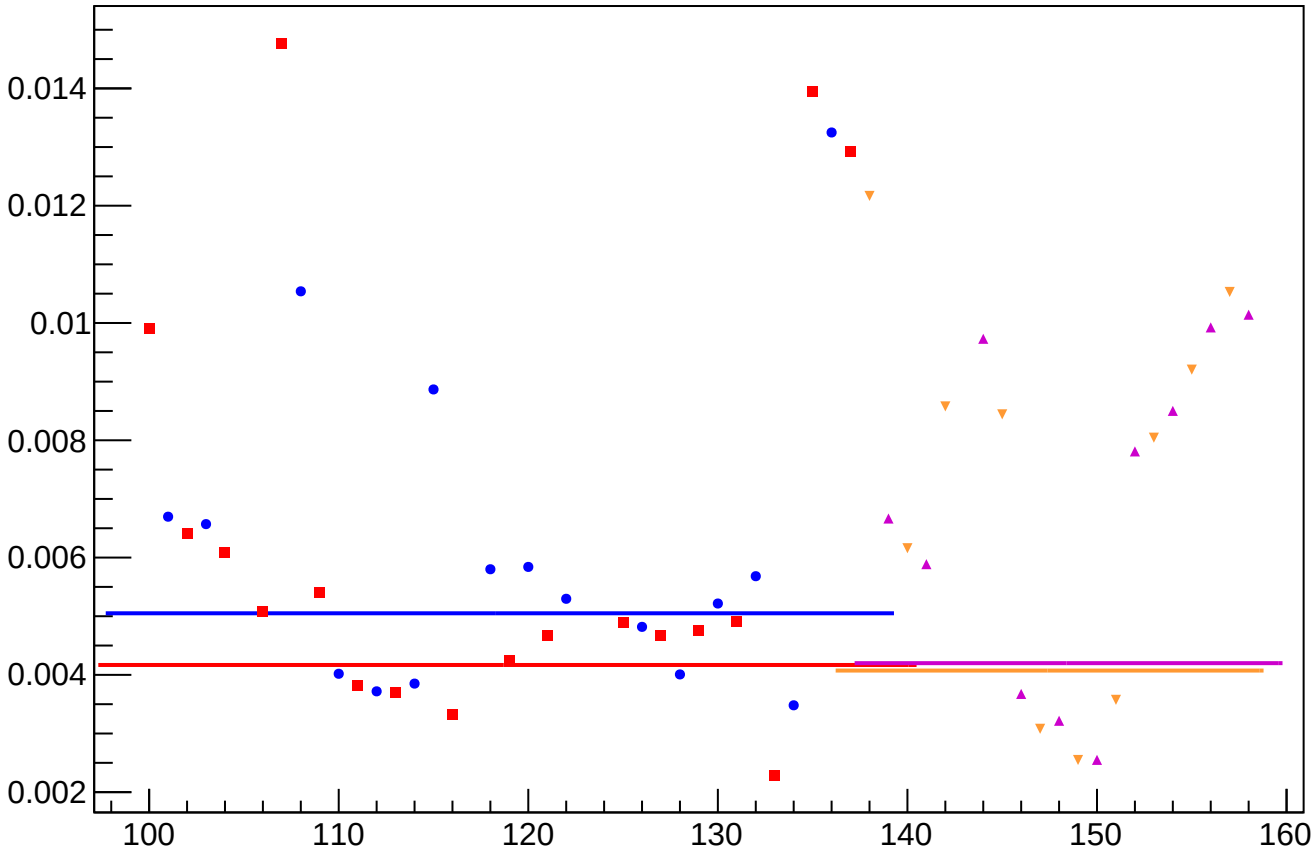
Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/17

Left In: 0.000+/-0.000 χ^2/NDF:3.2/9

+ sign -0.000+/-0.000 χ^2/NDF: 40.6/25

All: -0.000+/-0.000 χ^2/NDF: 76.4/53

- sign 0.000+/-0.000 χ^2/NDF: 26.3/27



Right In: 0.005+/-0.000 χ^2/NDF: 1494215.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:3851652.5/9

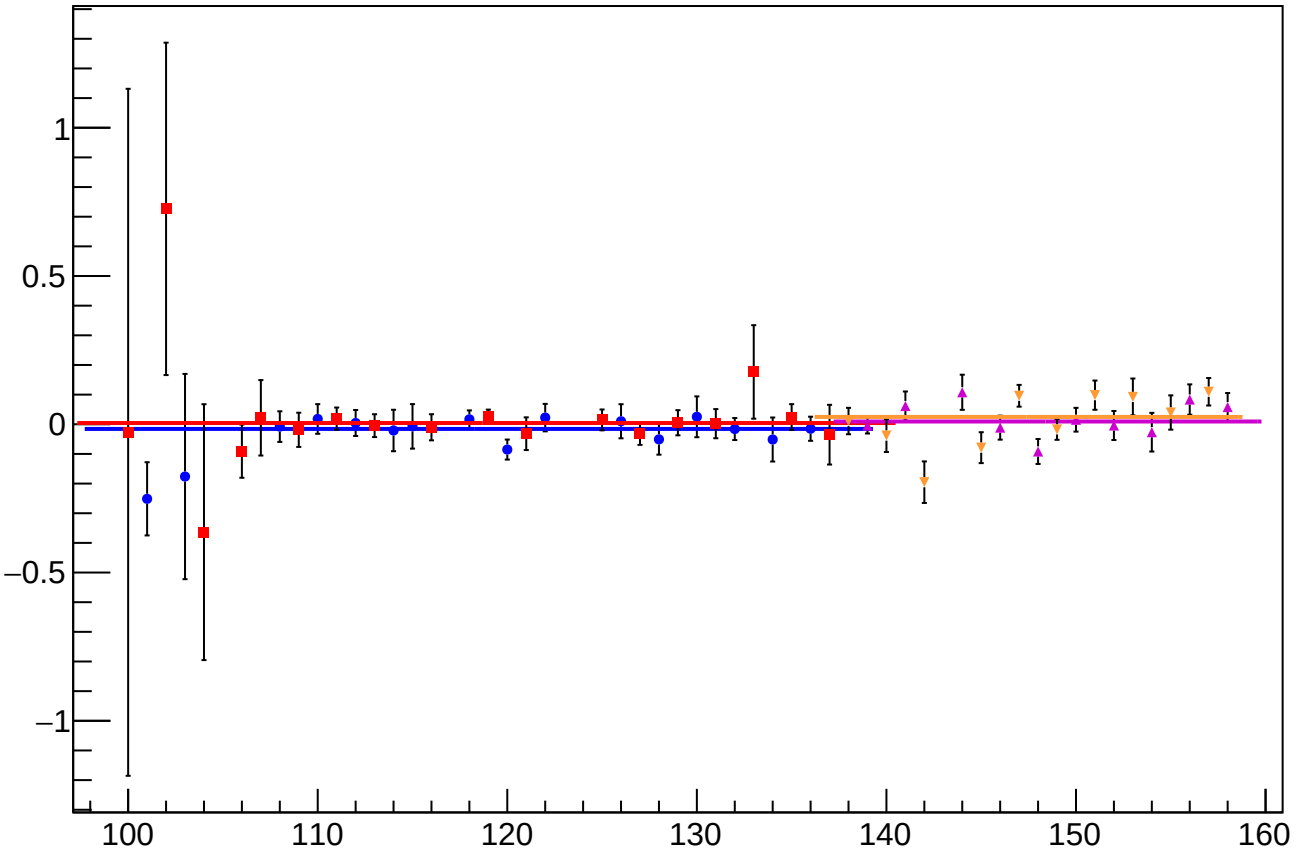
Right Out: 0.004+/-0.000 χ^2/NDF: 2041975.6/17

Left In: 0.004+/-0.000 χ^2/NDF:3756573.8/9

+ sign 0.004+/-0.000 χ^2/NDF: 5618292.0/25

All: 0.004+/-0.000 χ^2/NDF: 11472490.9/53

- sign 0.004+/-0.000 χ^2/NDF: 5798889.6/27



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.025+/-0.015 χ^2/NDF:27.2/9

Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

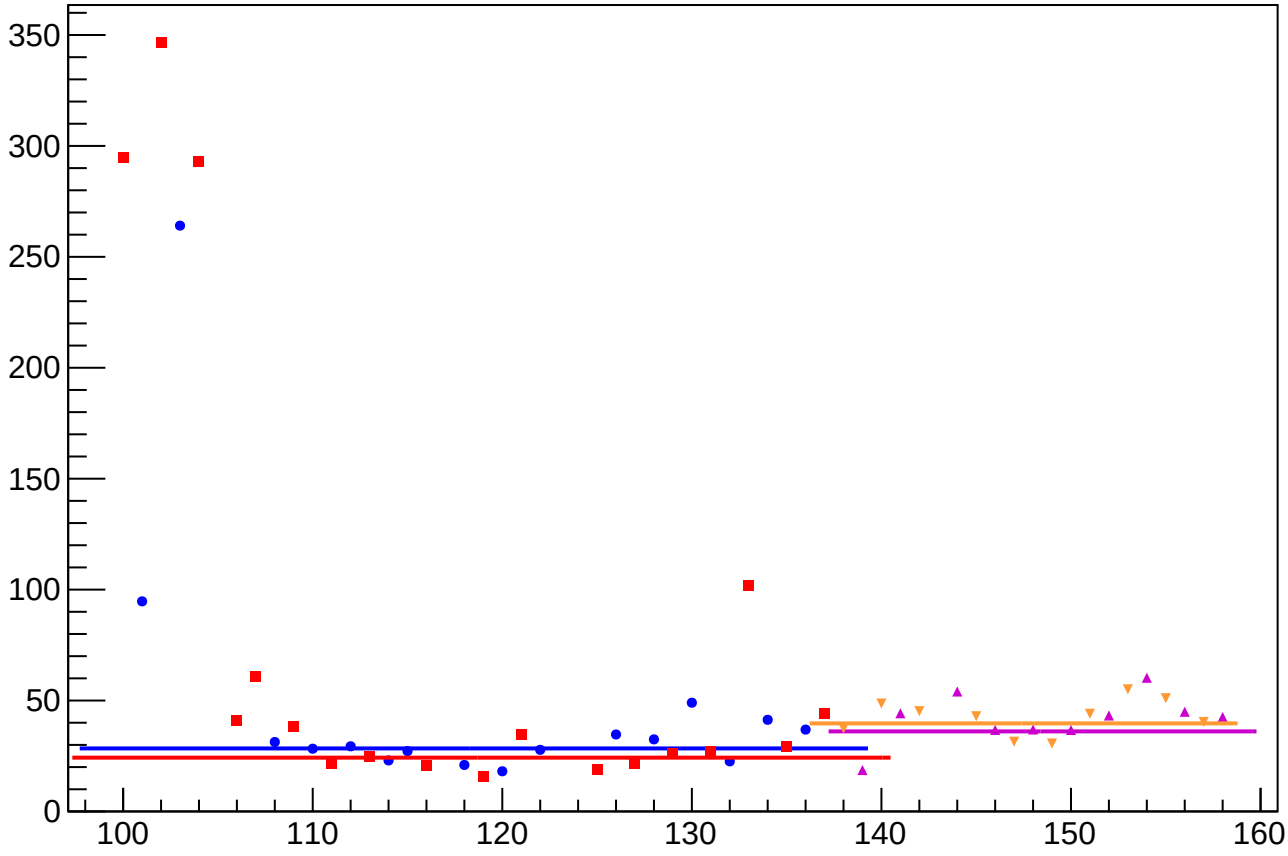
Left In: 0.009+/-0.014 χ^2/NDF:13.8/9

+ sign 0.000+/-0.010 χ^2/NDF: 43.4/25

All: 0.004+/-0.006 χ^2/NDF: 65.4/53

- sign 0.006+/-0.009 χ^2/NDF: 21.7/27

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 39.699+/-0.011 χ^2/NDF:526989.2/9

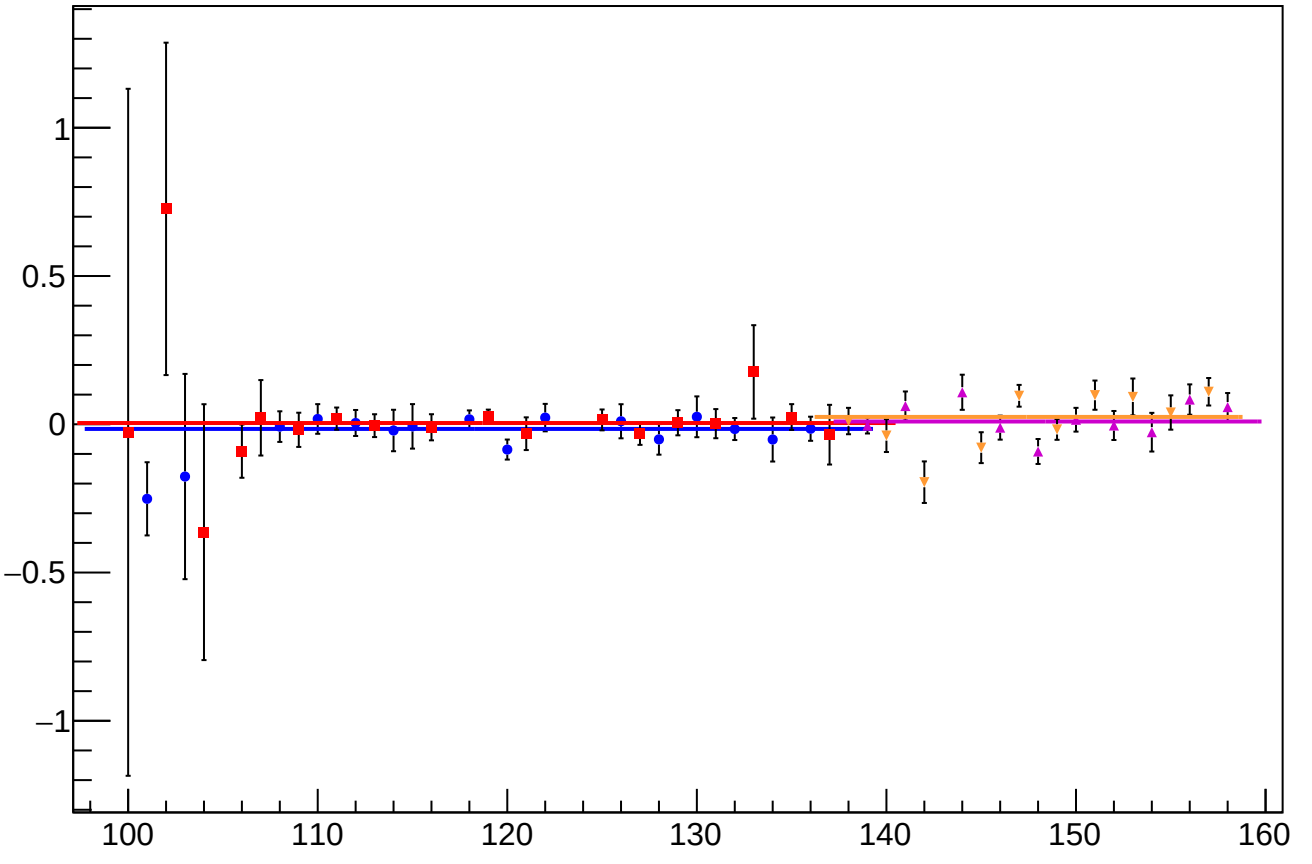
Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 36.089+/-0.010 χ^2/NDF:1522407.8/9

+ sign 32.919+/-0.007 χ^2/NDF: 3444516.4/25

All: 30.876+/-0.005 χ^2/NDF: 8936464.4/53

- sign 29.155+/-0.006 χ^2/NDF: 5322906.6/27



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.025+/-0.015 χ^2/NDF:27.2/9

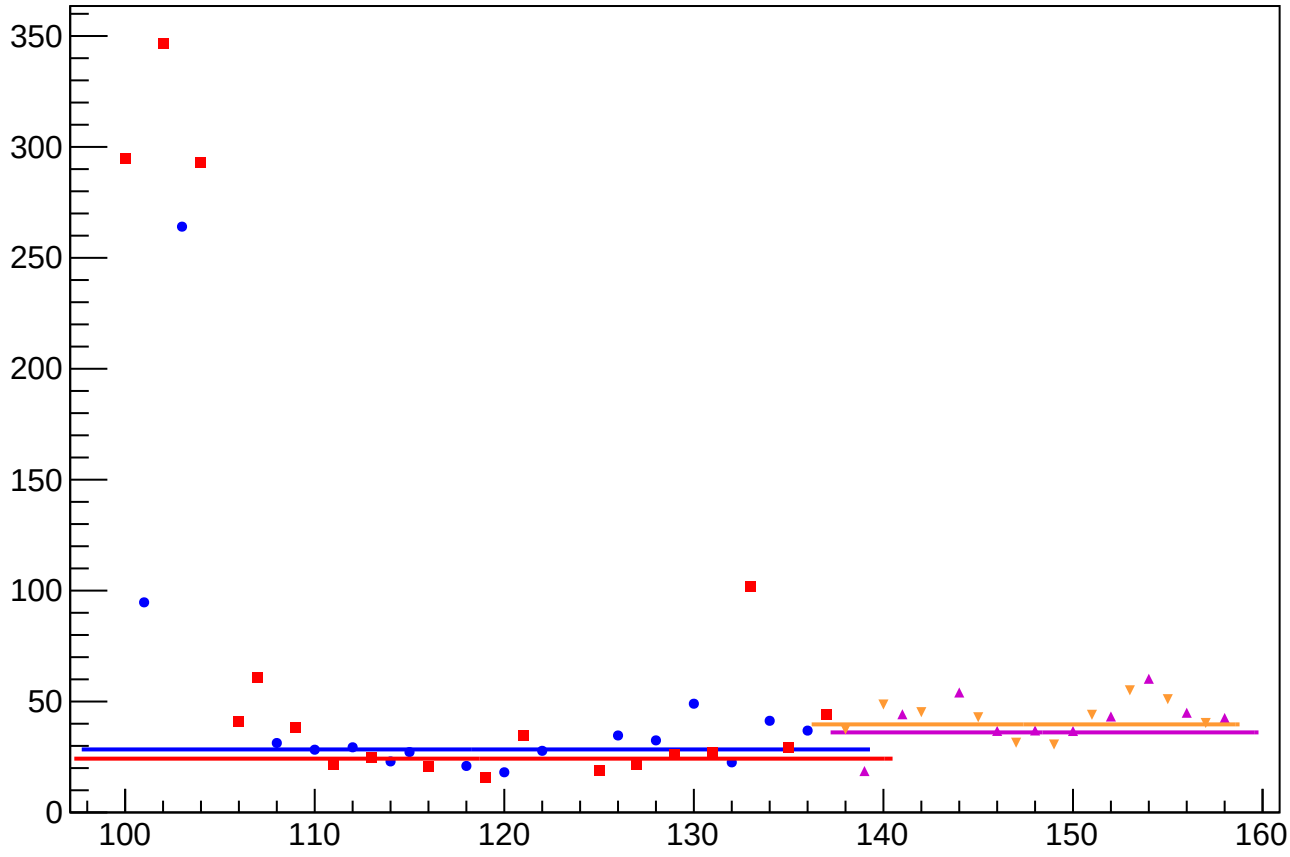
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.009+/-0.014 χ^2/NDF:13.8/9

+ sign 0.000+/-0.010 χ^2/NDF: 43.4/25

All: 0.004+/-0.006 χ^2/NDF: 65.4/53

- sign 0.006+/-0.009 χ^2/NDF: 21.7/27



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 39.699+/-0.011 χ^2/NDF:526989.2/9

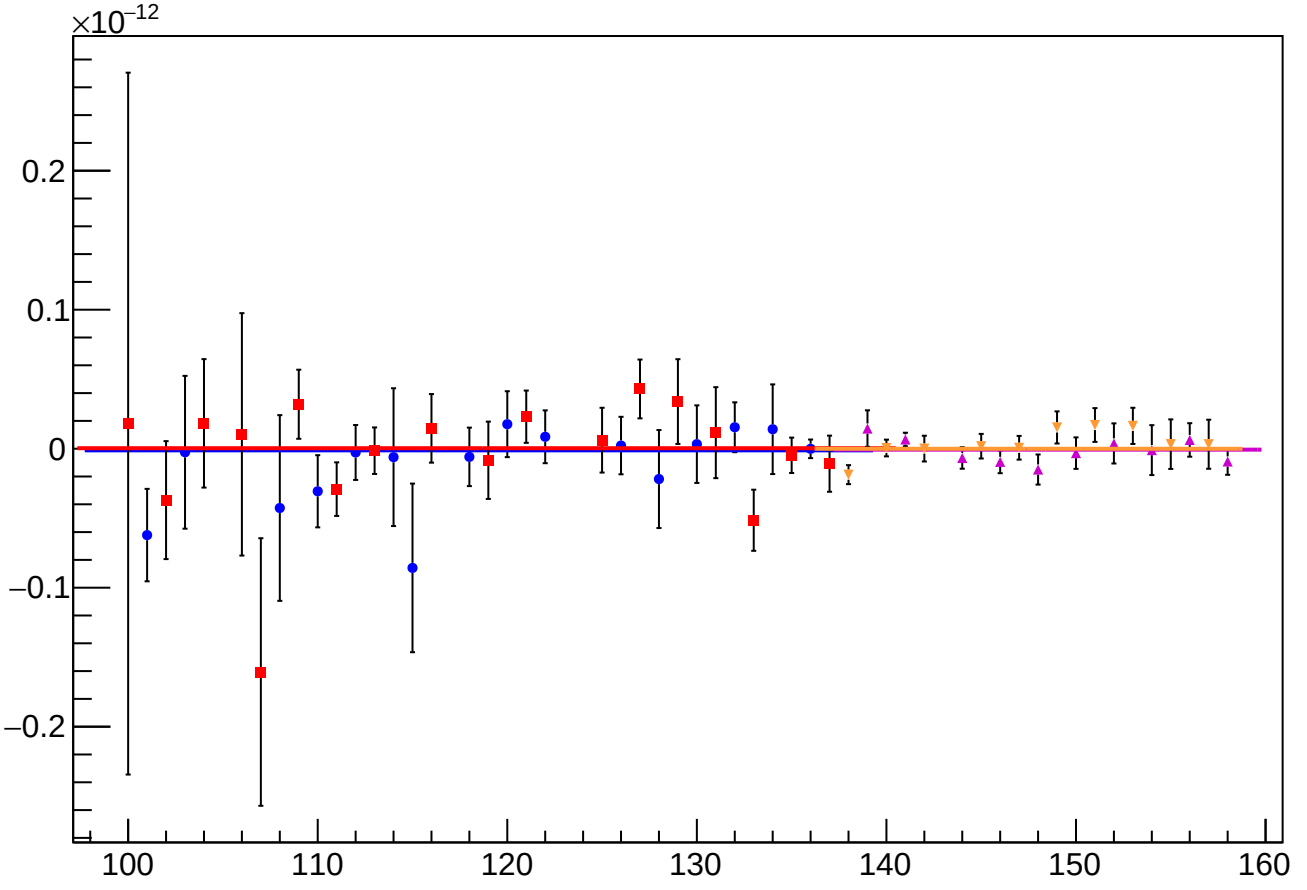
Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 36.089+/-0.010 χ^2/NDF:1522407.8/9

+ sign 32.919+/-0.007 χ^2/NDF: 3444516.4/25

All: 30.876+/-0.005 χ^2/NDF: 8936464.4/53

- sign 29.155+/-0.006 χ^2/NDF: 5322906.6/27



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.9/9

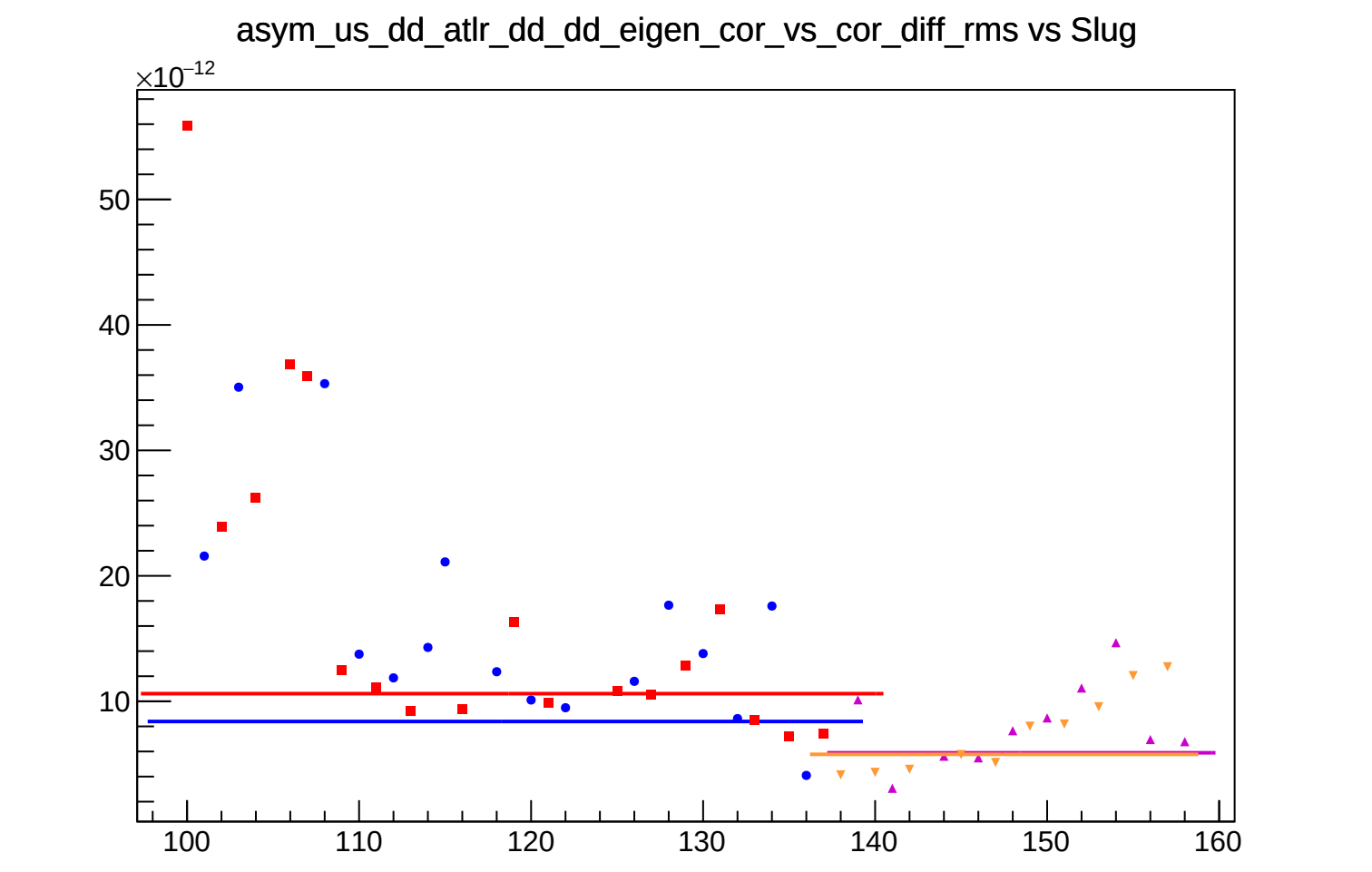
Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: -0.000+/-0.000 χ^2/NDF:8.4/9

+ sign -0.000+/-0.000 χ^2/NDF: 22.4/25

All: -0.000+/-0.000 χ^2/NDF: 51.8/53

- sign -0.000+/-0.000 χ^2/NDF: 29.5/27



Right In: 0.000+/-0.000 χ^2/NDF: 2710106.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1157960.9/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1233909.7/17

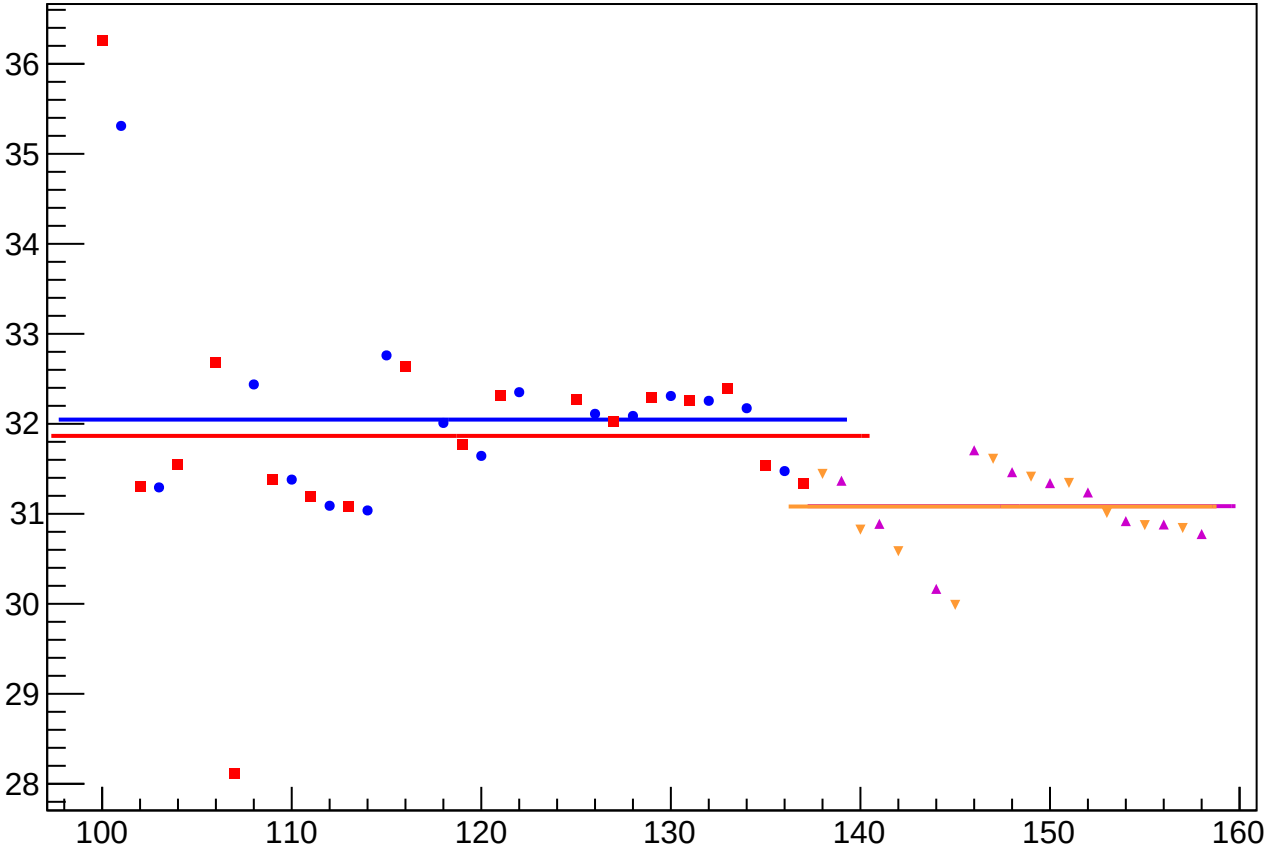
Left In: 0.000+/-0.000 χ^2/NDF:1830998.0/9

+ sign 0.000+/-0.000 χ^2/NDF: 4301965.8/25

All: 0.000+/-0.000 χ^2/NDF: 8505928.1/53

- sign 0.000+/-0.000 χ^2/NDF: 4182852.7/27

yield_usl_mean vs Slug



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 31.081+/-0.000 χ^2/NDF:197368209.8/9

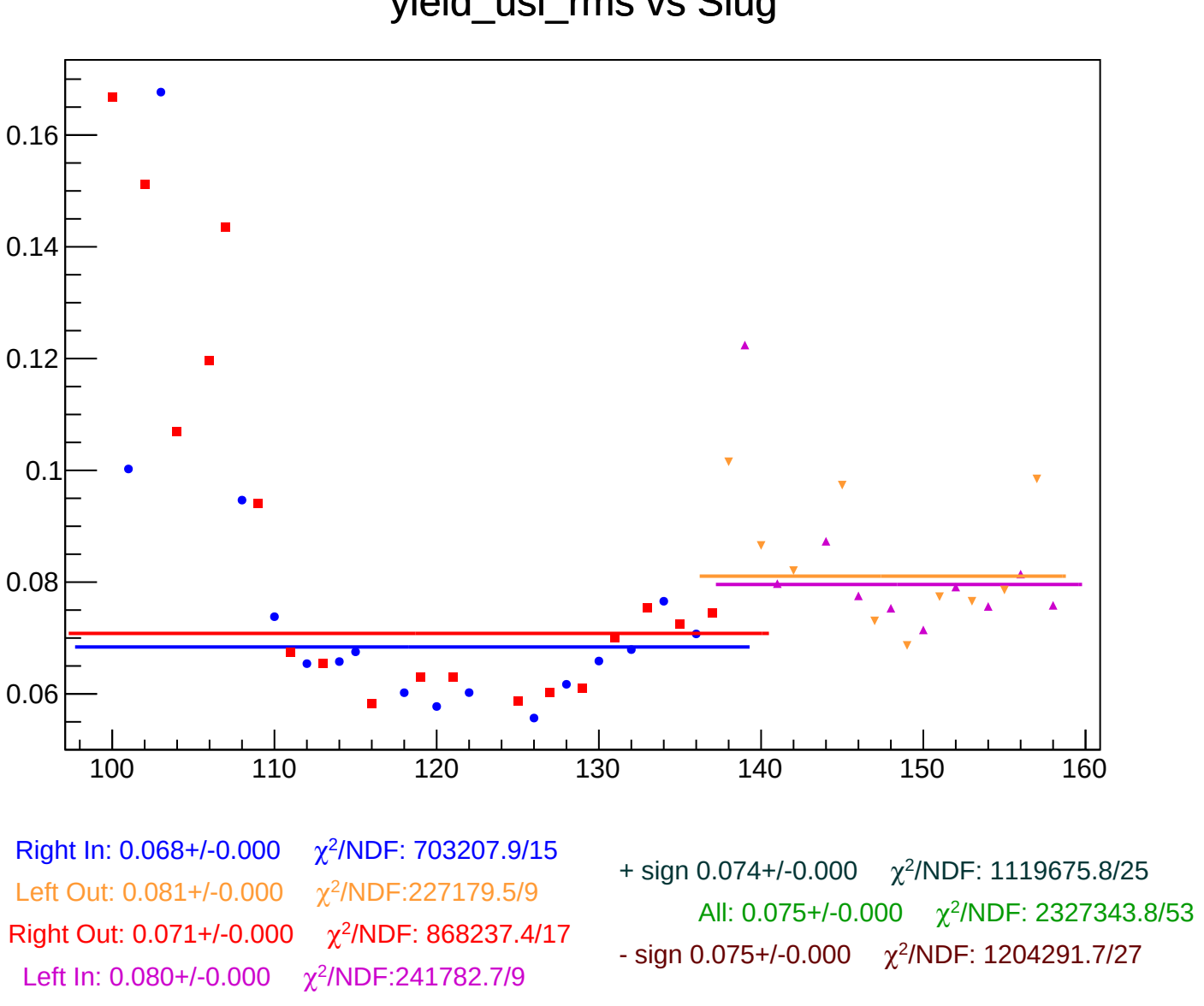
Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

Left In: 31.085+/-0.000 χ^2/NDF:202771315.2/9

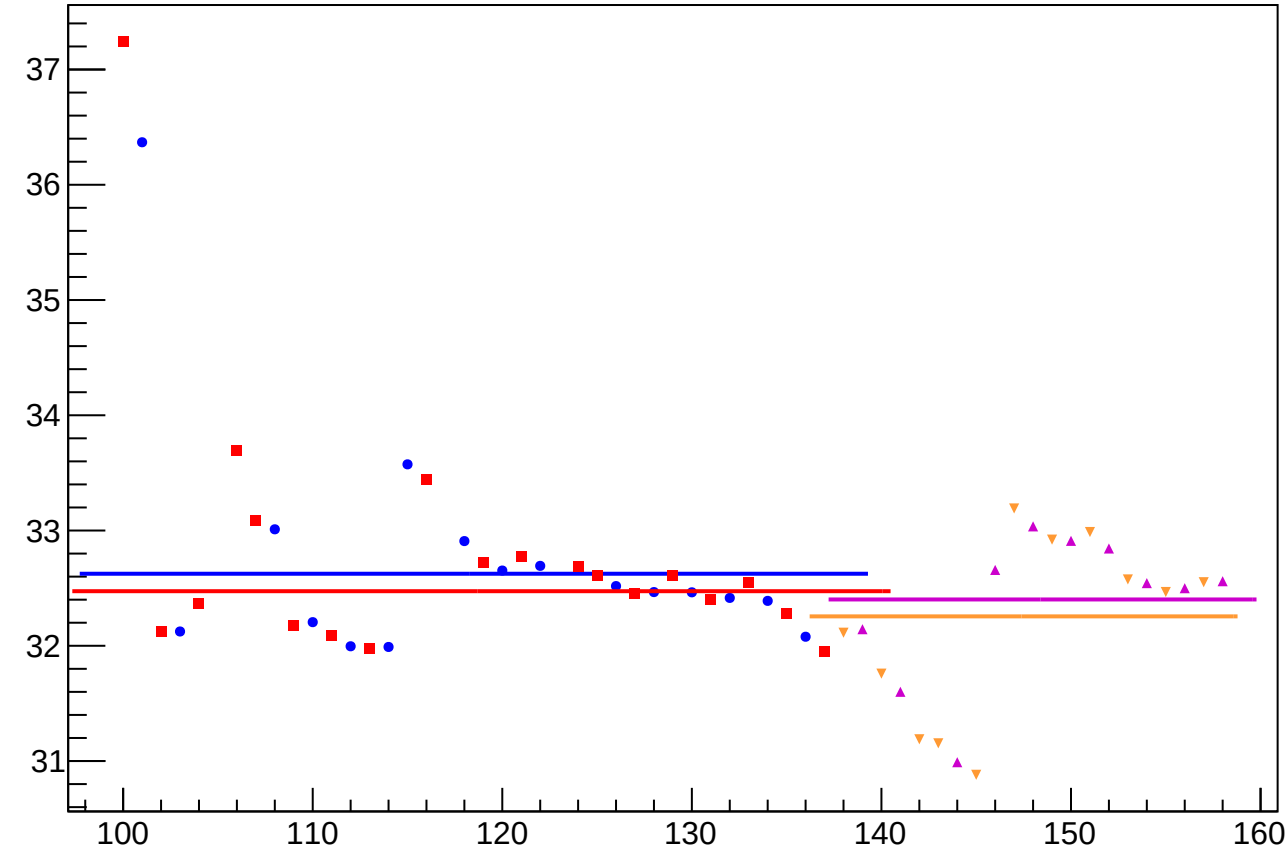
+ sign 31.621+/-0.000 χ^2/NDF: 1645834055.5/25

All: 31.549+/-0.000 χ^2/NDF: 2733949157.7/5

- sign 31.479+/-0.000 χ^2/NDF: 1063557381.2/27


yield_usl_rms vs Slug
0.16
0.14
0.12
0.1
0.08
0.06
100
110
120
130
140
150
160
Right In: 0.068+/-0.000 χ²/NDF: 703207.9/15
Left Out: 0.081+/-0.000 χ²/NDF:227179.5/9
Right Out: 0.071+/-0.000 χ²/NDF: 868237.4/17
Left In: 0.080+/-0.000 χ²/NDF:241782.7/9
+ sign 0.074+/-0.000 χ²/NDF: 1119675.8/25
All: 0.075+/-0.000 χ²/NDF: 2327343.8/53
- sign 0.075+/-0.000 χ²/NDF: 1204291.7/27

yield_usr_mean vs Slug



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 32.255+/-0.000 χ^2/NDF:747002856.6/10

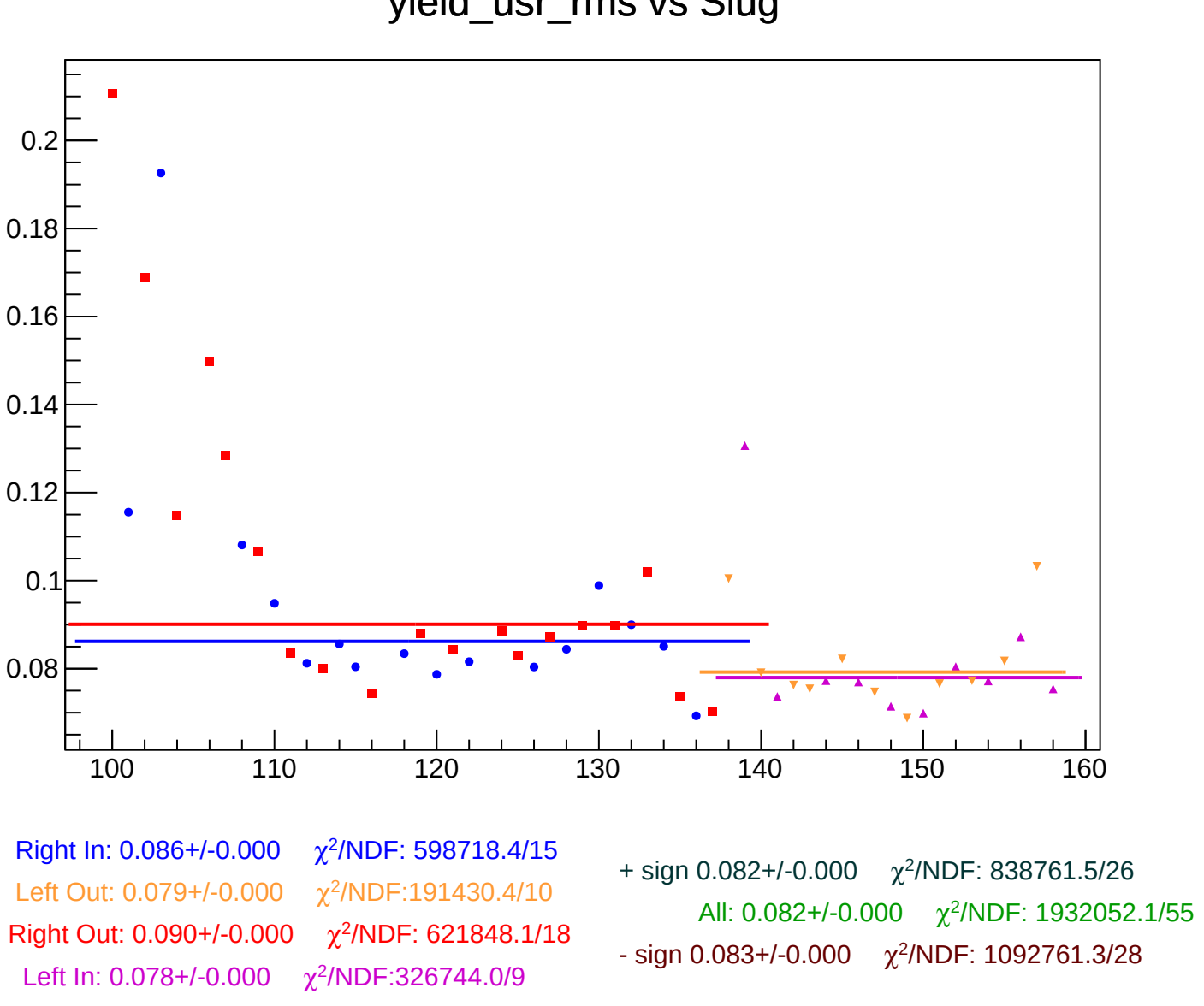
Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

Left In: 32.402+/-0.000 χ^2/NDF:518399289.3/9

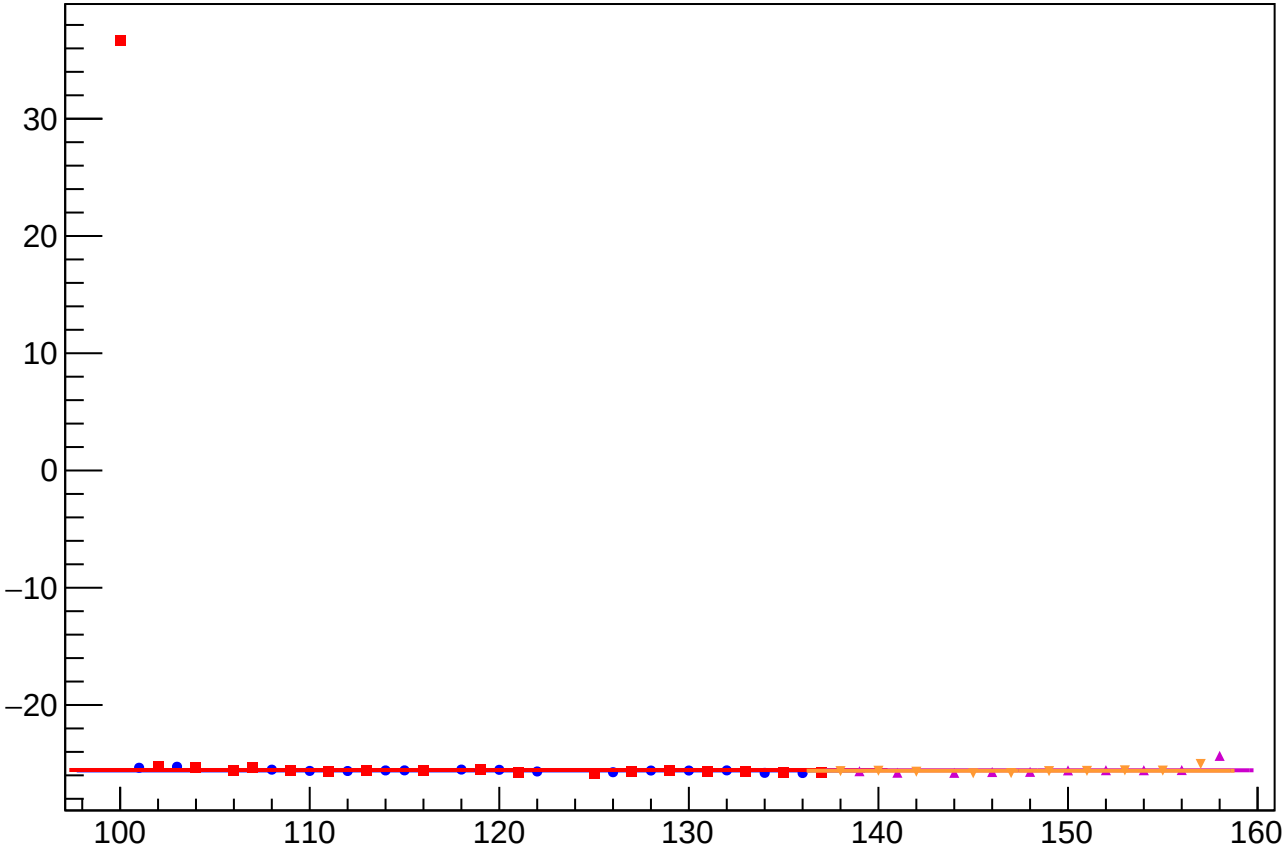
+ sign 32.406+/-0.000 χ^2/NDF: 1554550826.3/26

All: 32.418+/-0.000 χ^2/NDF: 2232833866.7/5

- sign 32.429+/-0.000 χ^2/NDF: 677730592.4/28


yield_usr_rms vs Slug
0.2
0.18
0.16
0.14
0.12
0.1
0.08
100
110
120
130
140
150
160
Right In: 0.086+/-0.000 χ²/NDF: 598718.4/15
Left Out: 0.079+/-0.000 χ²/NDF:191430.4/10
Right Out: 0.090+/-0.000 χ²/NDF: 621848.1/18
Left In: 0.078+/-0.000 χ²/NDF:326744.0/9
+ sign 0.082+/-0.000 χ²/NDF: 838761.5/26
All: 0.082+/-0.000 χ²/NDF: 1932052.1/55
- sign 0.083+/-0.000 χ²/NDF: 1092761.3/28

yield_dsl_mean vs Slug



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -25.608+/-0.000 χ^2/NDF:159037270.6/9

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

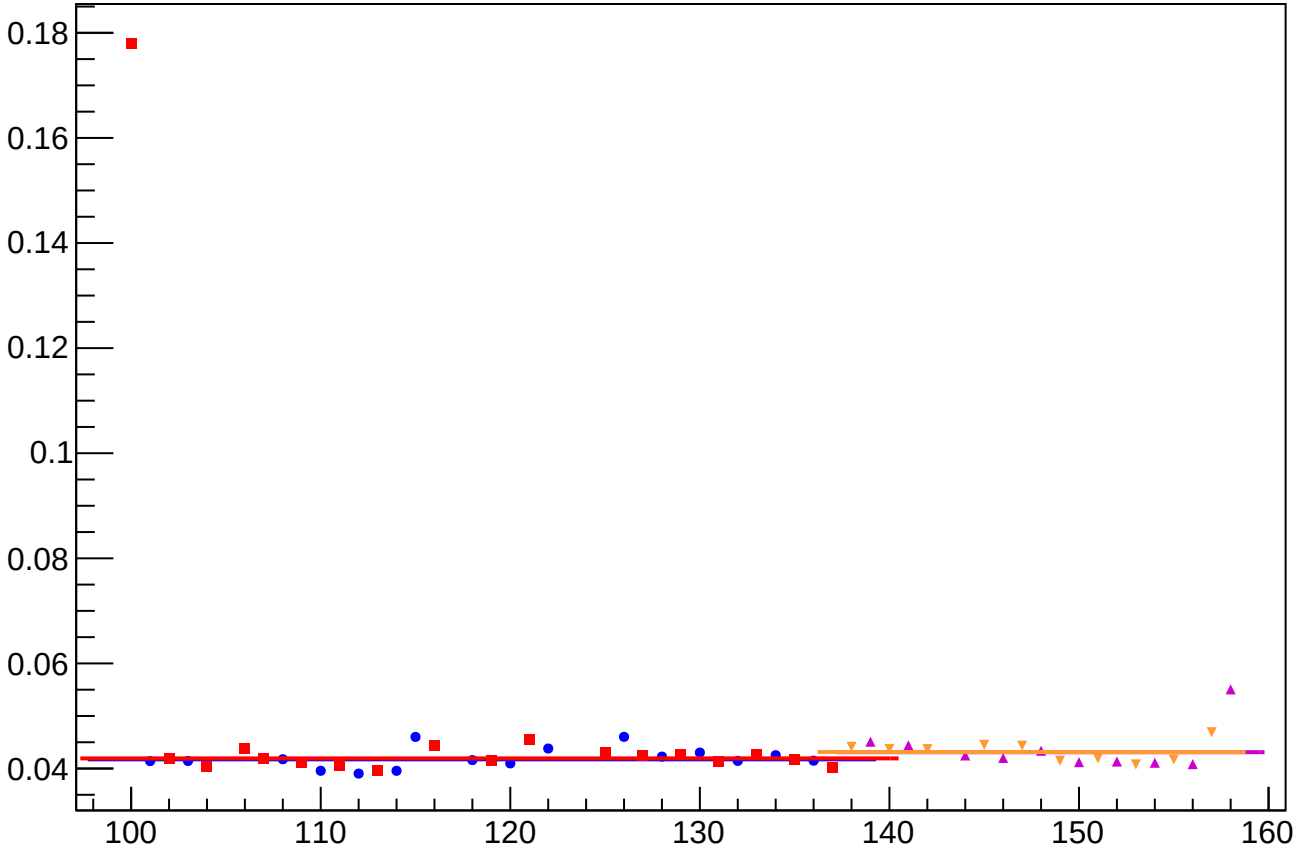
Left In: -25.569+/-0.000 χ^2/NDF:487355343.0/9

+ sign -25.593+/-0.000 χ^2/NDF: 259115478.3/25

All: -25.575+/-0.000 χ^2/NDF: 9660993102.5/

- sign -25.557+/-0.000 χ^2/NDF: 9396251630.0/27

yield_dsl_rms vs Slug



Right In: 0.042+/-0.000 χ^2/NDF: 20733.3/15

Left Out: 0.043+/-0.000 χ^2/NDF:25509.7/9

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

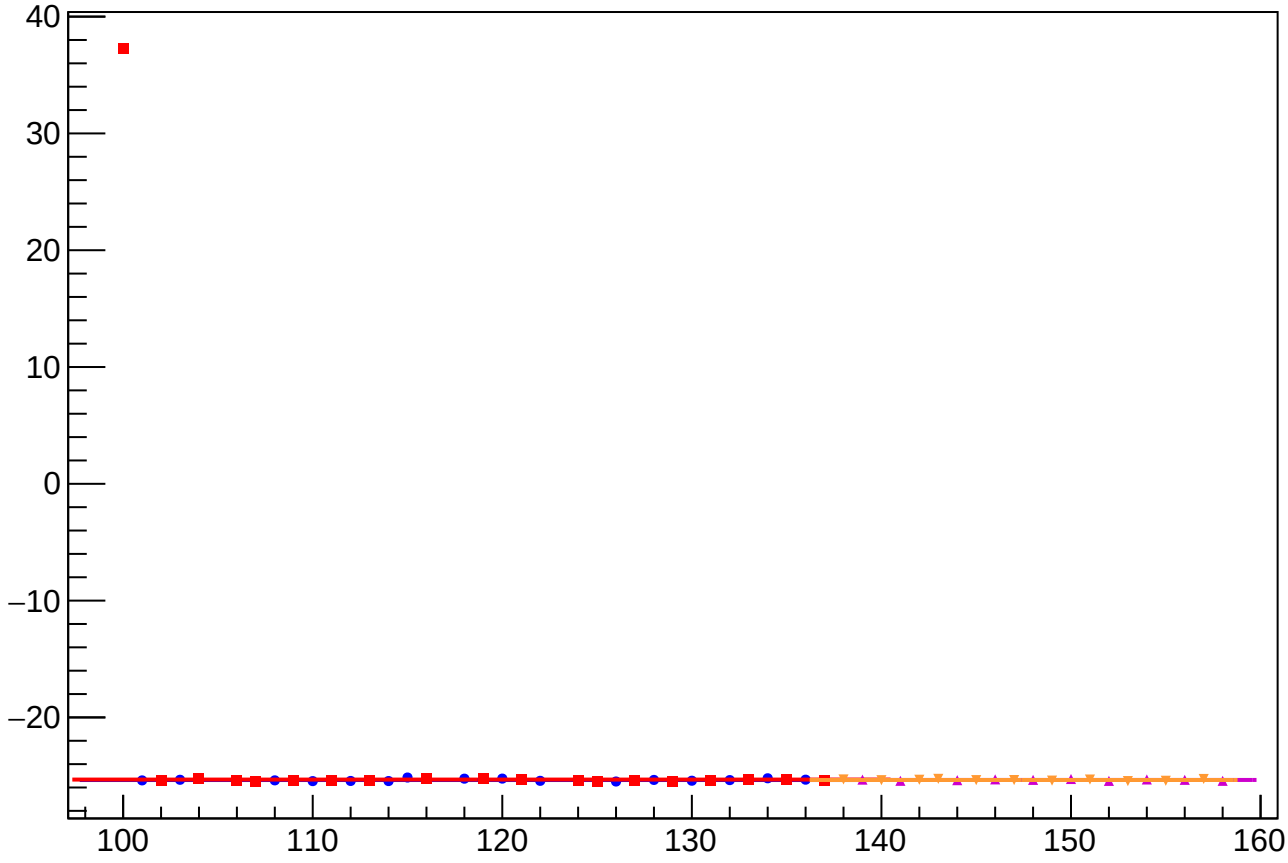
Left In: 0.043+/-0.000 χ^2/NDF:102643.9/9

+ sign 0.042+/-0.000 χ^2/NDF: 54257.7/25

All: 0.042+/-0.000 χ^2/NDF: 263187.3/53

- sign 0.043+/-0.000 χ^2/NDF: 208840.0/27

yield_dsr_mean vs Slug



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.358+/-0.000 χ^2/NDF:9815402.2/10

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

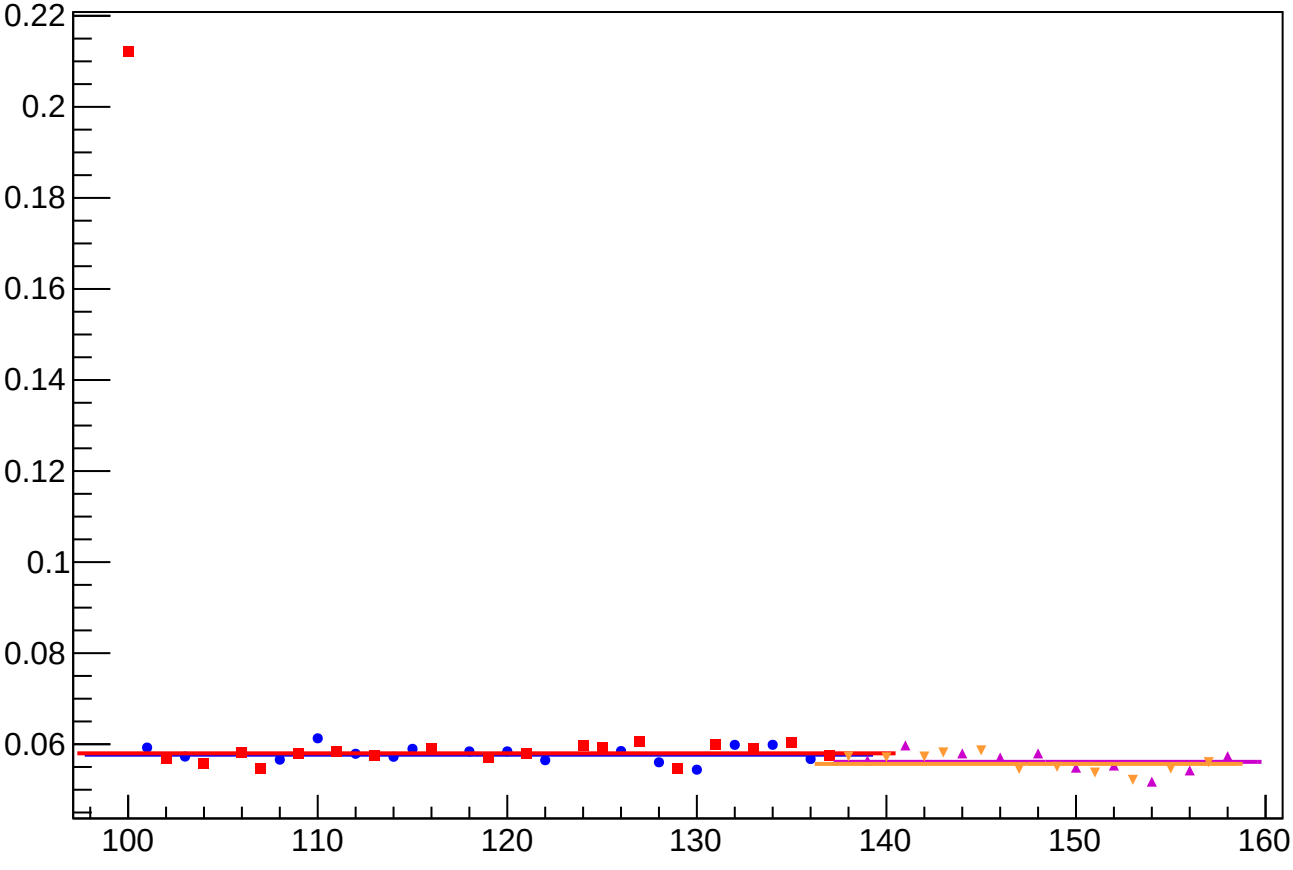
Left In: -25.354+/-0.000 χ^2/NDF:7925700.0/9

+ sign -25.359+/-0.000 χ^2/NDF: 23108480.7/26

All: -25.349+/-0.000 χ^2/NDF: 6348017248.1/

- sign -25.340+/-0.000 χ^2/NDF: 6324041075.6/28

yield_dsr_rms vs Slug



Right In: 0.058+/-0.000 χ^2/NDF: 11763.6/15

Left Out: 0.056+/-0.000 χ^2/NDF:20595.2/10

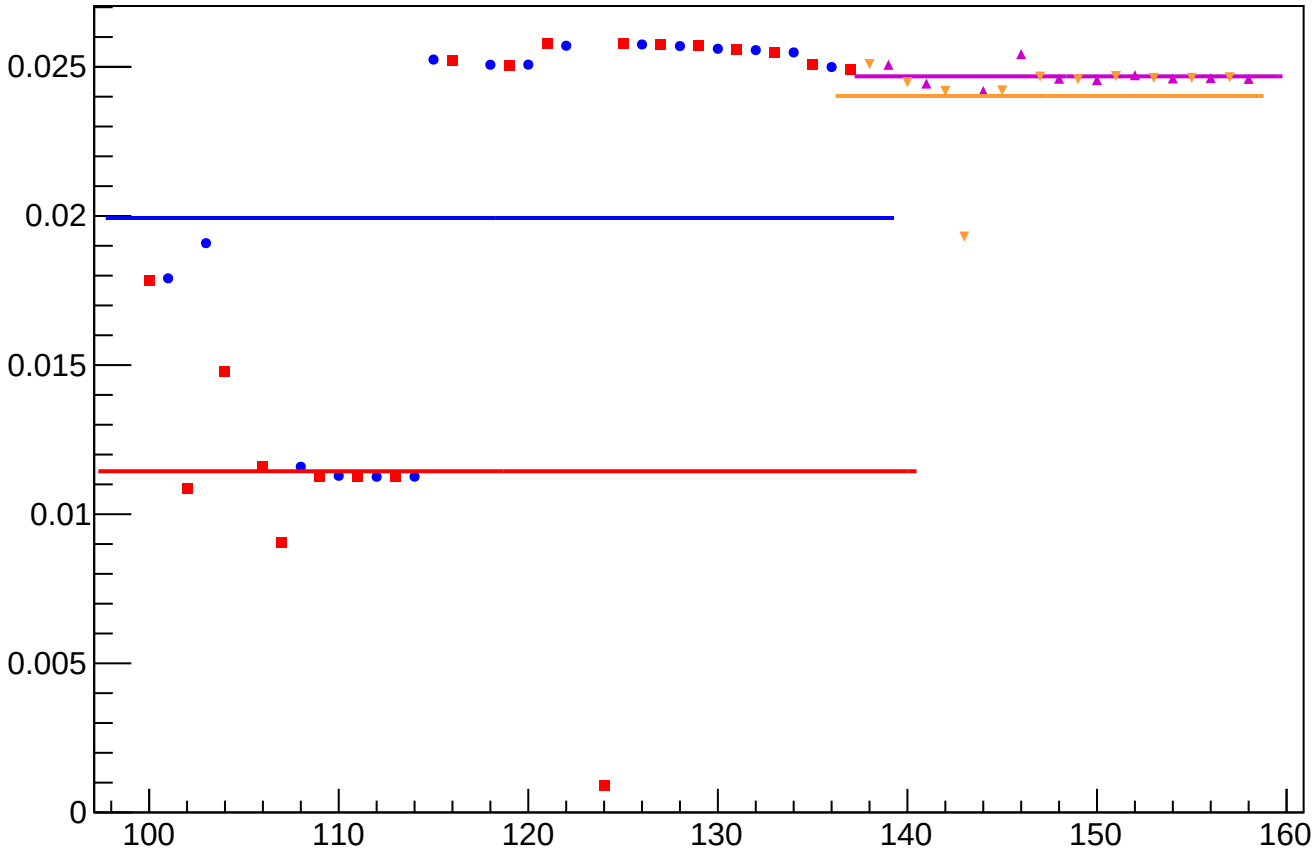
Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.056+/-0.000 χ^2/NDF:26188.7/9

+ sign 0.057+/-0.000 χ^2/NDF: 42043.4/26

All: 0.057+/-0.000 χ^2/NDF: 166014.5/55

- sign 0.057+/-0.000 χ^2/NDF: 123204.2/28



Right In: 0.020+/-0.000 χ^2/NDF: 62465154056.0/15

Left Out: 0.024+/-0.000 χ^2/NDF:4543388965.2/10

Right Out: 0.011+/-0.000 χ^2/NDF: 253880264851.8/18

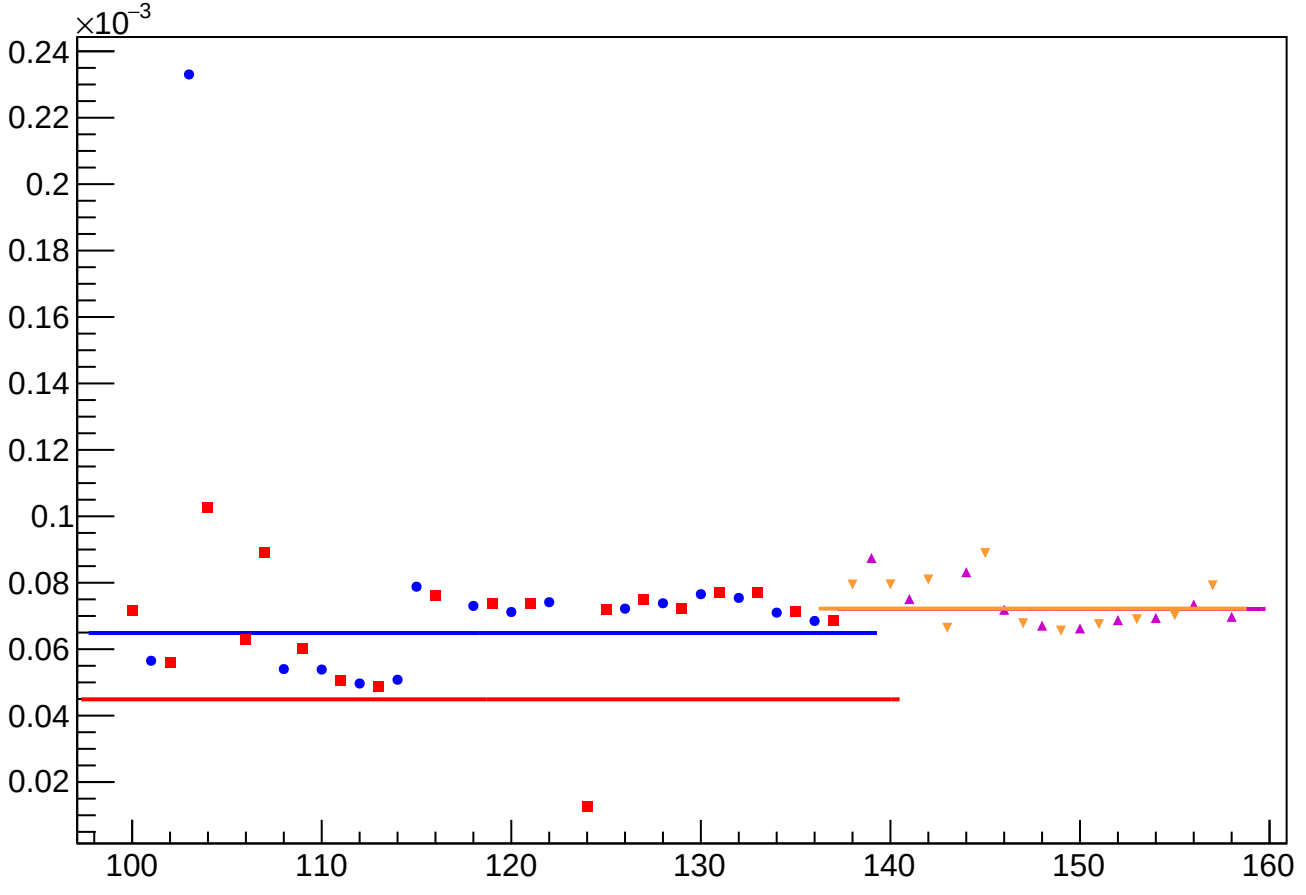
Left In: 0.025+/-0.000 χ^2/NDF:156101656.5/9

+ sign 0.022+/-0.000 χ^2/NDF: 80216639762.3/26

All: 0.019+/-0.000 χ^2/NDF: 559373647116.2

- sign 0.017+/-0.000 χ^2/NDF: 427363547235.8/28

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 816892.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:151477.1/10

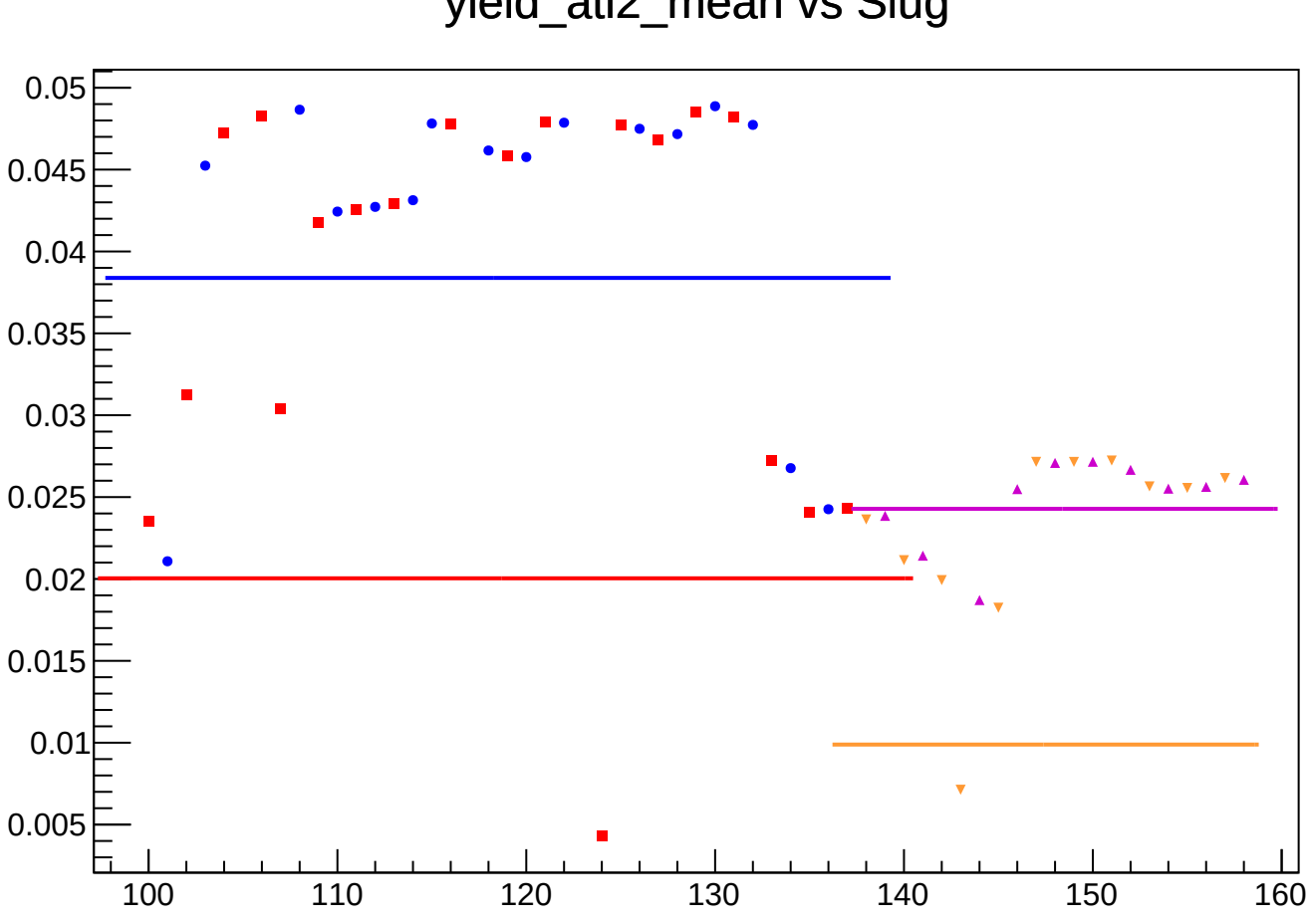
Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

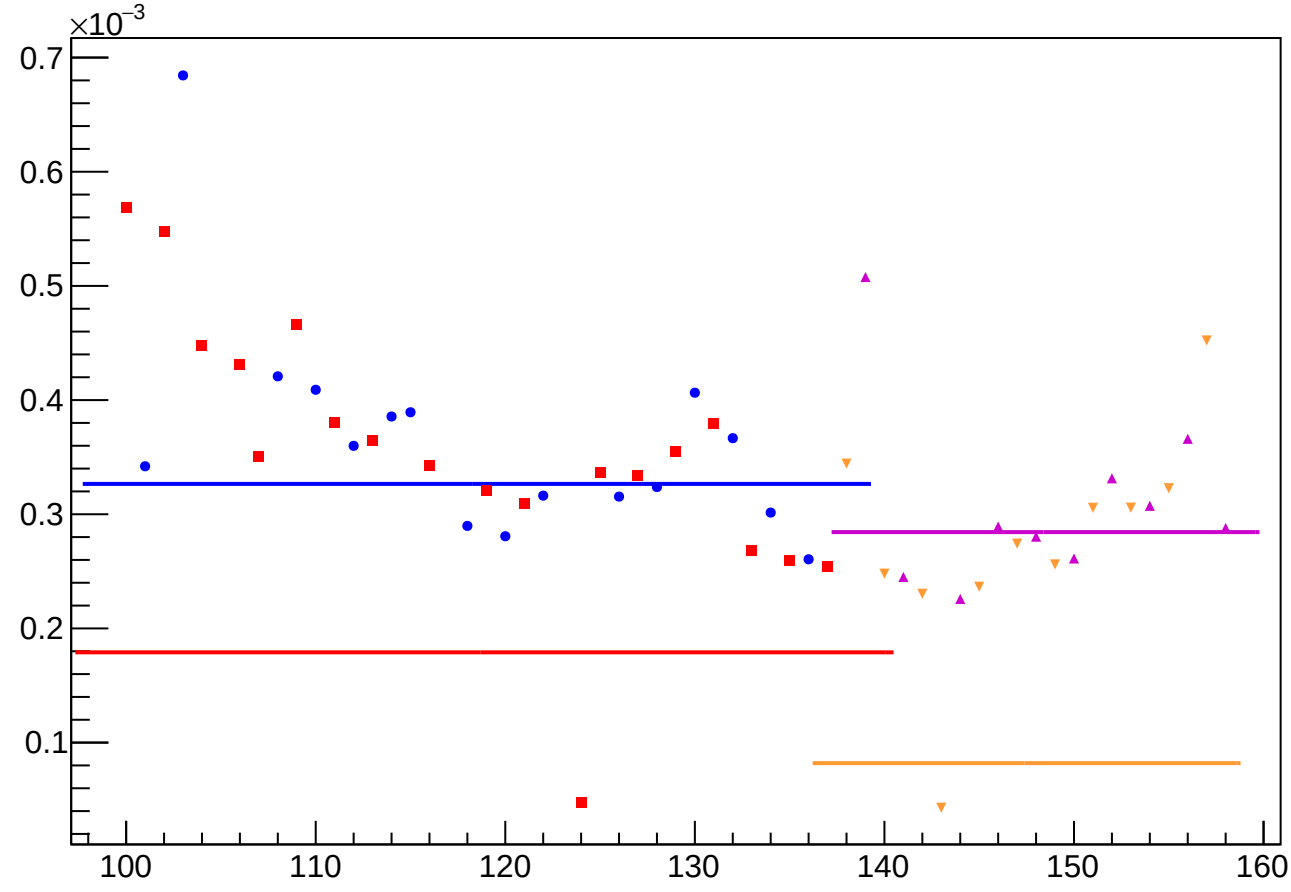
Left In: 0.000+/-0.000 χ^2/NDF:115522.4/9

+ sign 0.000+/-0.000 χ^2/NDF: 1053398.8/26

All: 0.000+/-0.000 χ^2/NDF: 7010176.5/55

- sign 0.000+/-0.000 χ^2/NDF: 5348608.5/28


yield_atl2_mean vs Slug
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
Right In: 0.038+/-0.000 χ²/NDF: 7078619233.3/15
Left Out: 0.010+/-0.000 χ²/NDF:21168777189.2/10
Right Out: 0.020+/-0.000 χ²/NDF: 42185025429.6/18
Left In: 0.024+/-0.000 χ²/NDF:883160233.8/9
+ sign 0.013+/-0.000 χ²/NDF: 71421700958.9/26
All: 0.015+/-0.000 χ²/NDF: 128463701973.1
- sign 0.022+/-0.000 χ²/NDF: 44025187720.4/28



Right In: 0.000+/-0.000 χ^2/NDF: 581428.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:8509818.4/10

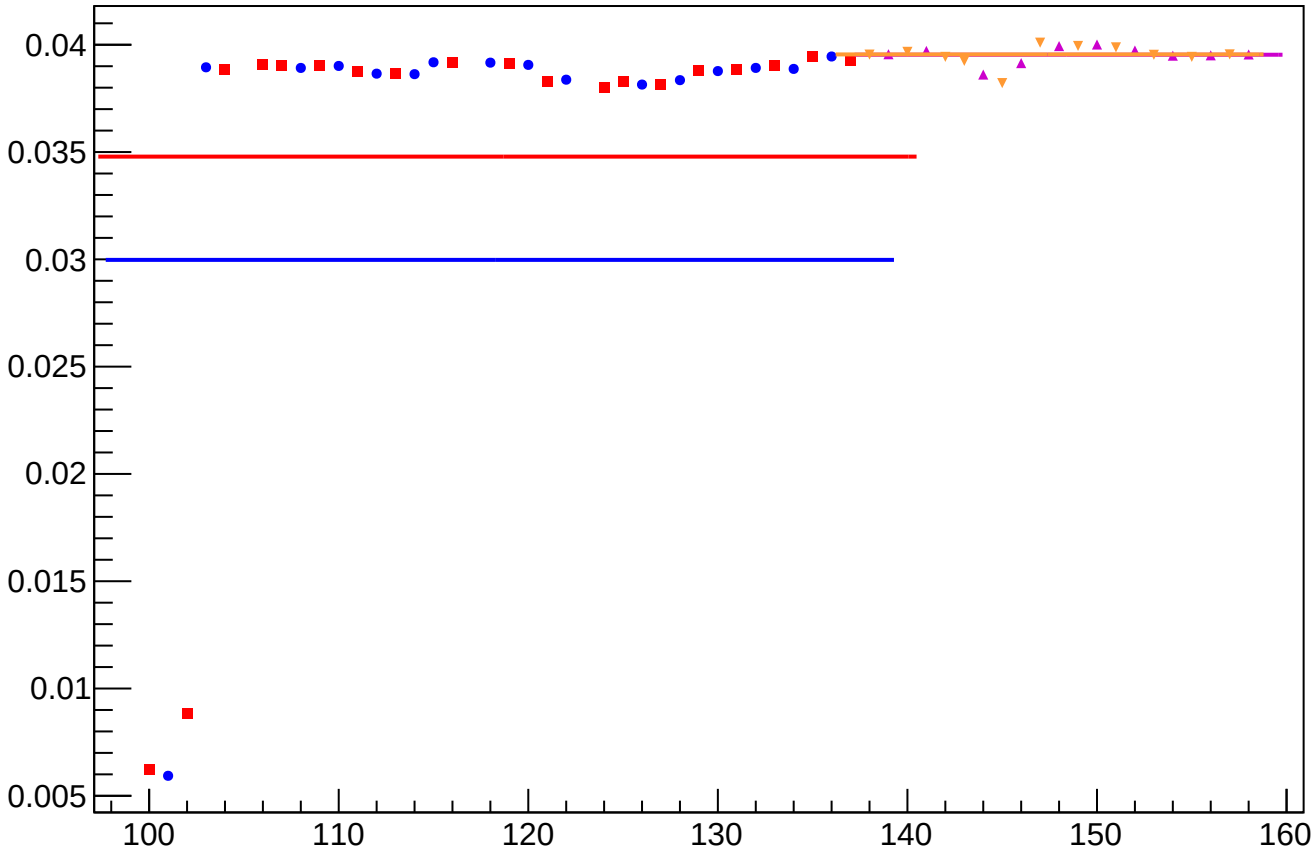
Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

Left In: 0.000+/-0.000 χ^2/NDF:584249.6/9

+ sign 0.000+/-0.000 χ^2/NDF: 15451343.8/26

All: 0.000+/-0.000 χ^2/NDF: 27254395.6/55

- sign 0.000+/-0.000 χ^2/NDF: 7423393.5/28



Right In: 0.030+/-0.000 χ^2/NDF: 108275706275.7/15

Left Out: 0.040+/-0.000 χ^2/NDF:92854471.0/10

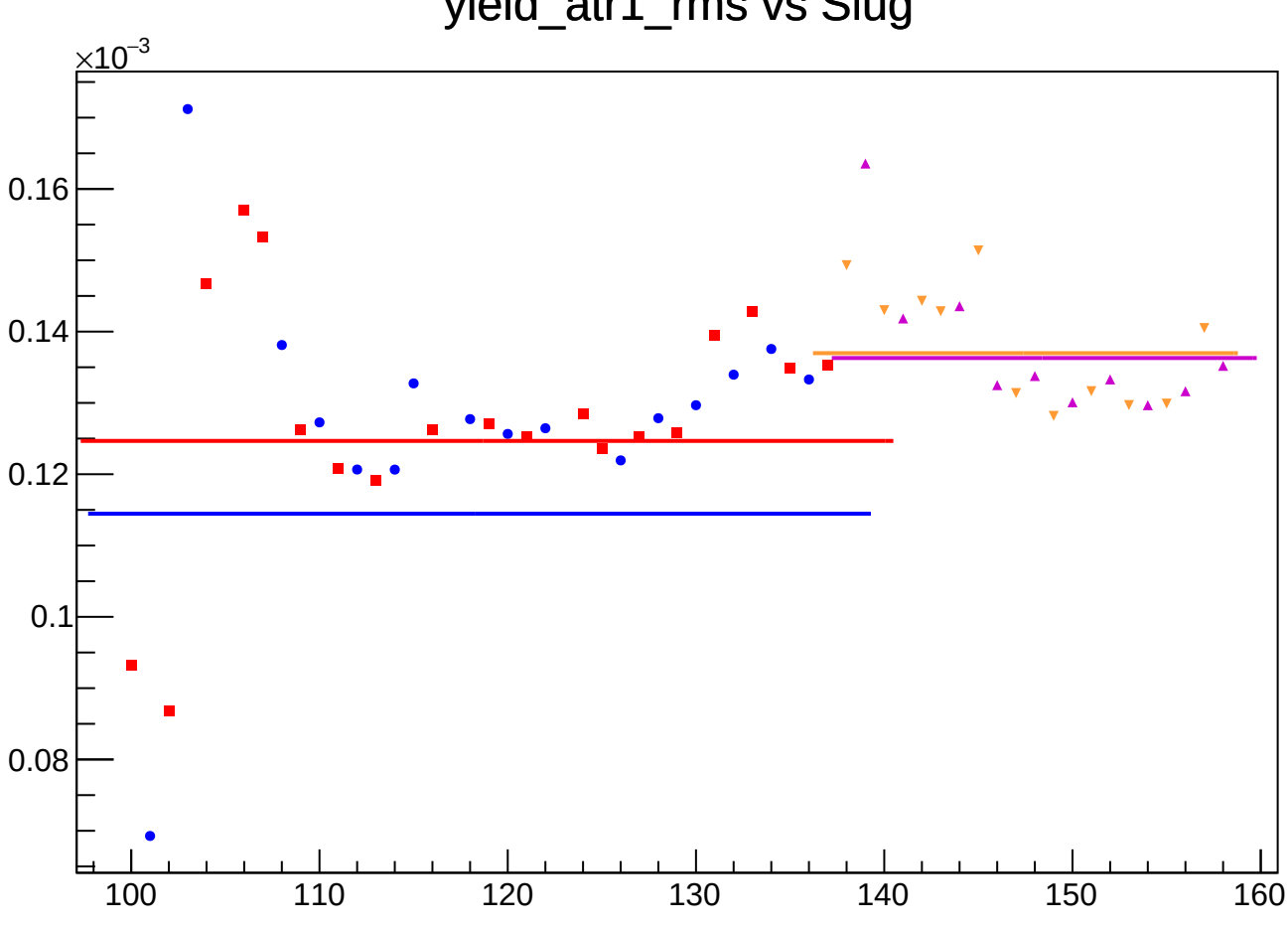
Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.040+/-0.000 χ^2/NDF:65846393.8/9

+ sign 0.034+/-0.000 χ^2/NDF: 130126049568.6/26

All: 0.036+/-0.000 χ^2/NDF: 185979084002.7

- sign 0.037+/-0.000 χ^2/NDF: 52402793639.5/28



Right In: 0.000+/-0.000 χ^2/NDF: 853142.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:56380.9/10

Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

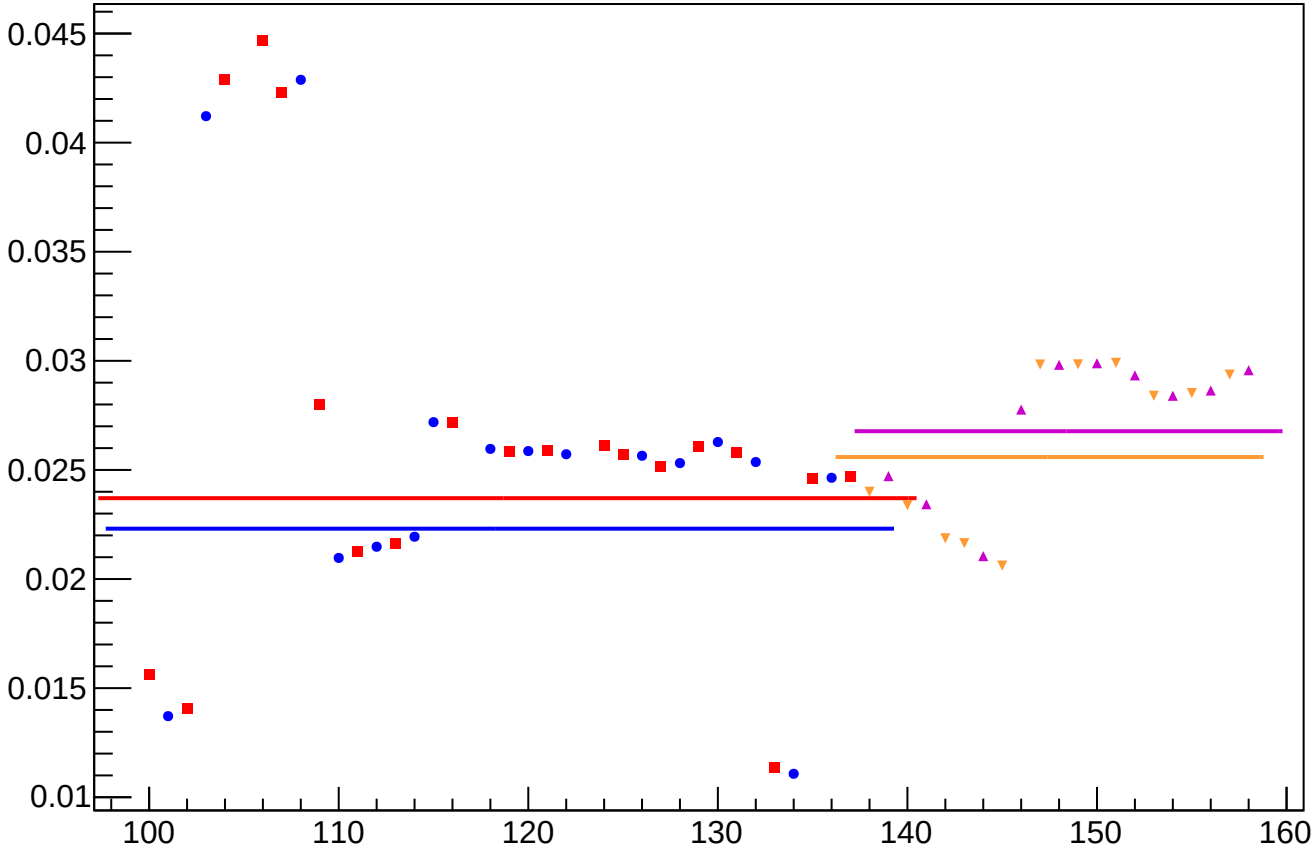
Left In: 0.000+/-0.000 χ^2/NDF:66410.8/9

+ sign 0.000+/-0.000 χ^2/NDF: 1150199.0/26

All: 0.000+/-0.000 χ^2/NDF: 1566287.7/55

- sign 0.000+/-0.000 χ^2/NDF: 387610.2/28

yield_atr2_mean vs Slug



Right In: 0.022+/-0.000 χ^2/NDF: 5012486114.6/15

Left Out: 0.026+/-0.000 χ^2/NDF:1490769931.1/10

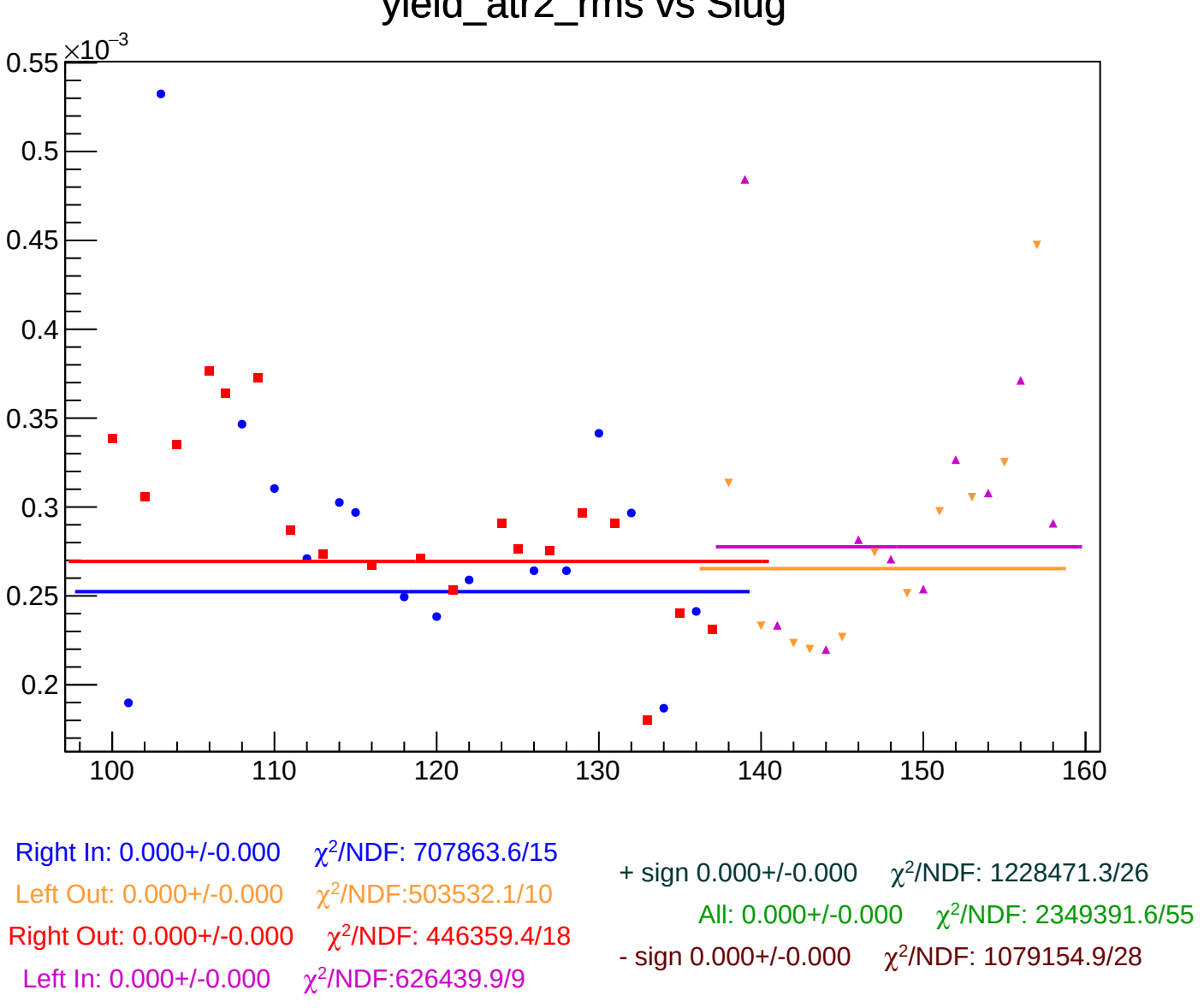
Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

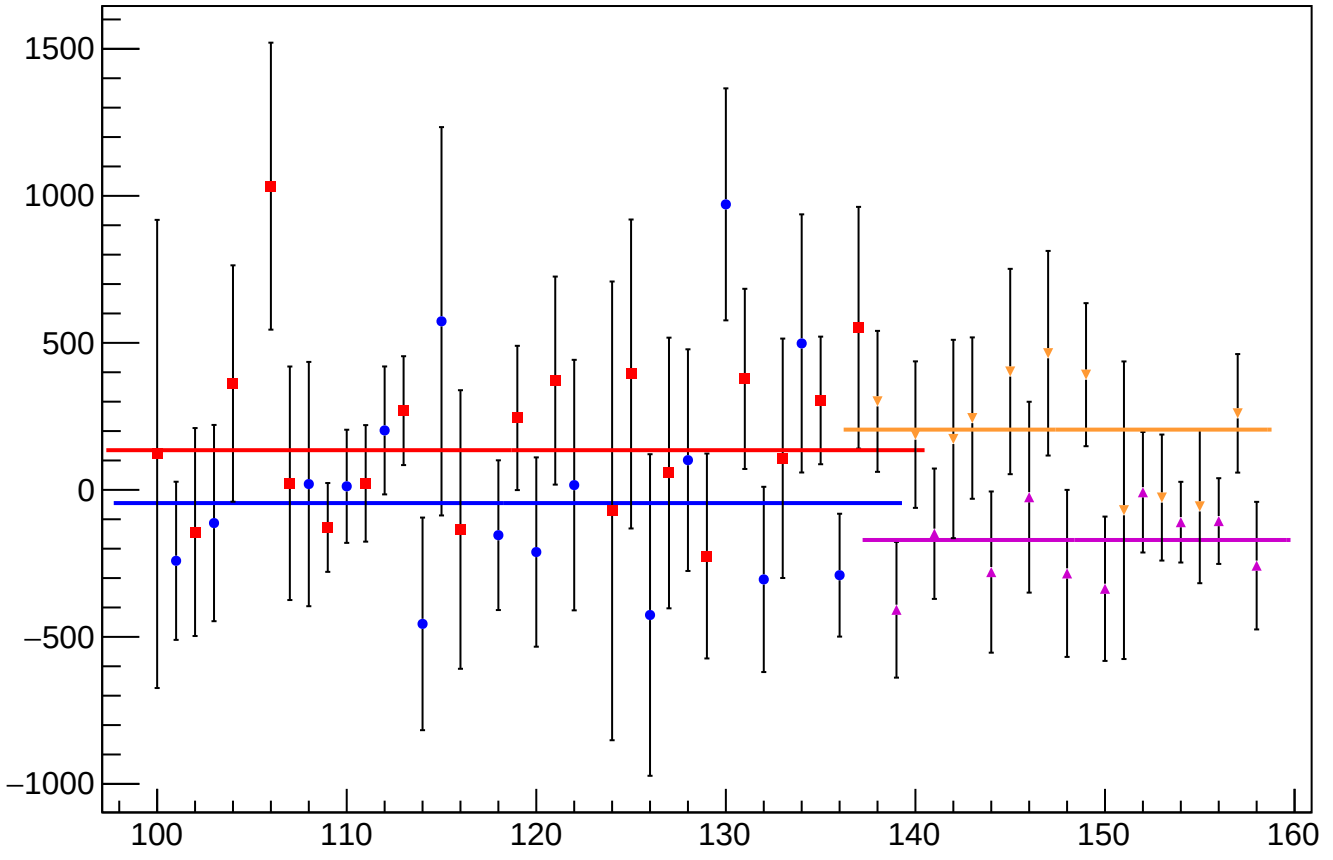
Left In: 0.027+/-0.000 χ^2/NDF:1128569141.1/9

+ sign 0.024+/-0.000 χ^2/NDF: 7050131979.9/26

All: 0.025+/-0.000 χ^2/NDF: 14373287209.3/5

- sign 0.025+/-0.000 χ^2/NDF: 7153226153.8/28


yield_atr2_rms vs Slug
×10^-3
0.55
0.5
0.45
0.4
0.35
0.3
0.25
0.2
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 707863.6/15
Left Out: 0.000+/-0.000 χ²/NDF:503532.1/10
Right Out: 0.000+/-0.000 χ²/NDF: 446359.4/18
Left In: 0.000+/-0.000 χ²/NDF:626439.9/9
+ sign 0.000+/-0.000 χ²/NDF: 1228471.3/26
All: 0.000+/-0.000 χ²/NDF: 2349391.6/55
- sign 0.000+/-0.000 χ²/NDF: 1079154.9/28



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 204.932+/-80.620 χ^2/NDF:4.2/10

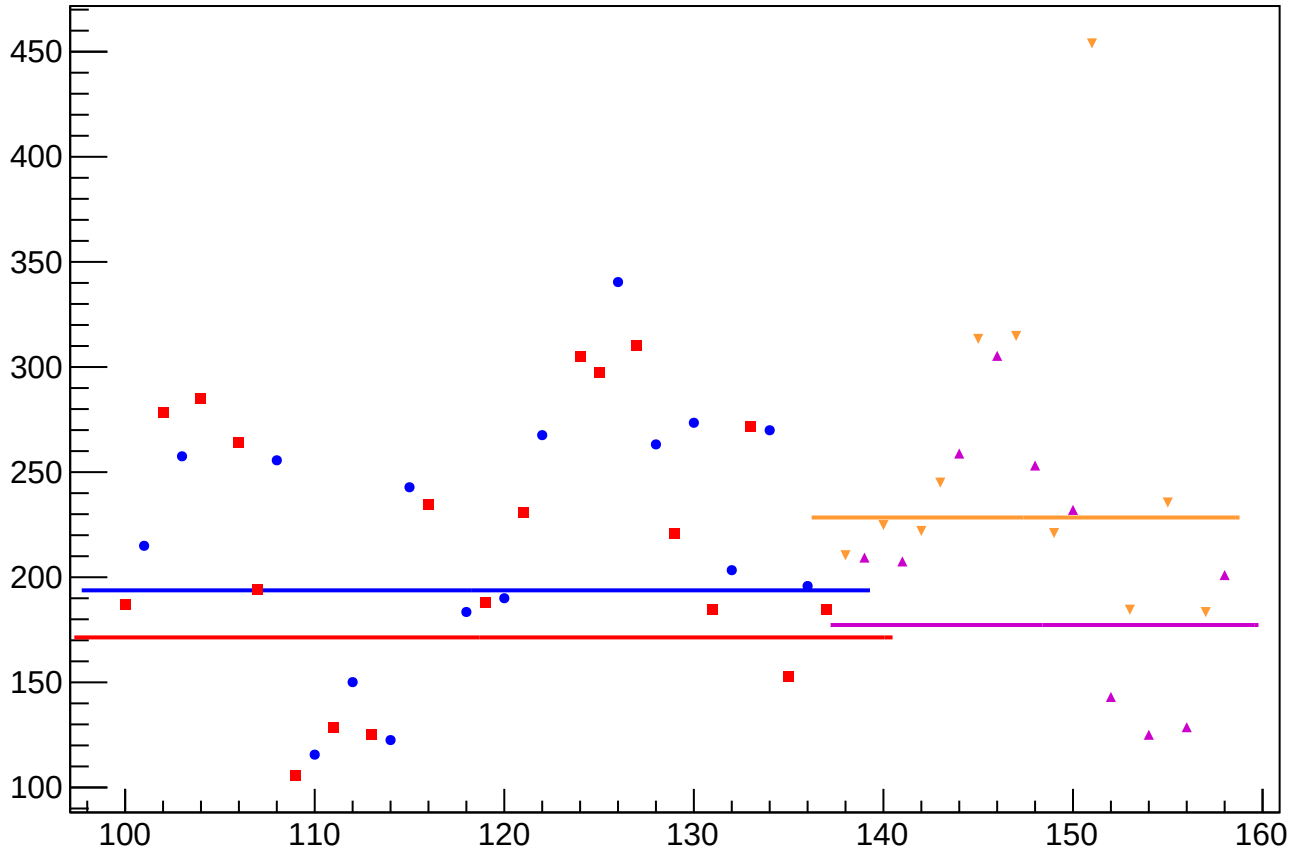
Right Out: 134.996+/-68.062 χ^2/NDF: 12.9/18

Left In: -170.425+/-65.080 χ^2/NDF:3.2/9

+ sign 72.968+/-55.377 χ^2/NDF: 24.7/26

All: 16.319+/-35.850 χ^2/NDF: 53.2/55

- sign -24.551+/-47.037 χ^2/NDF: 26.7/28



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 228.422+/-0.057 χ^2/NDF:845164.1/10

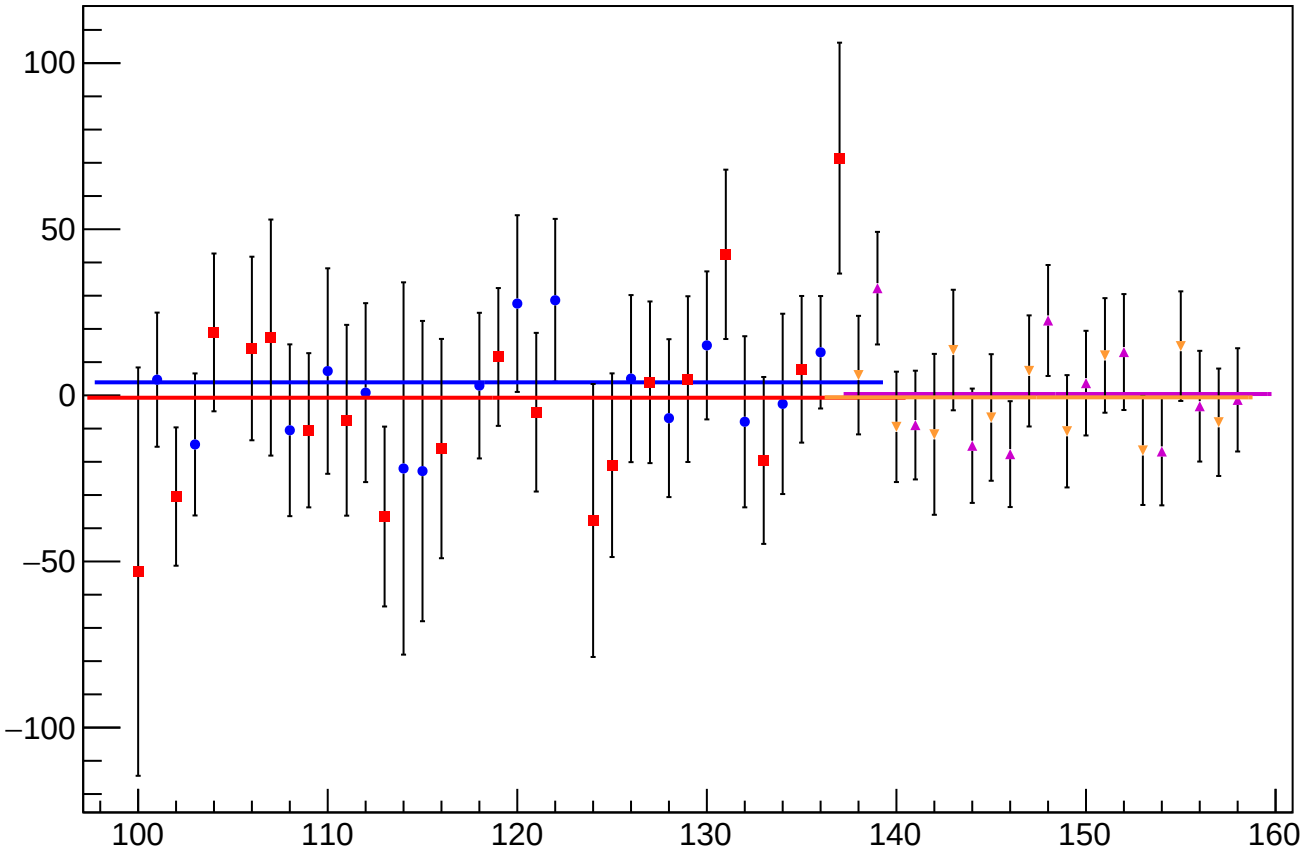
Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 177.281+/-0.046 χ^2/NDF:1397891.8/9

+ sign 210.119+/-0.039 χ^2/NDF: 2088444.6/26

All: 189.407+/-0.025 χ^2/NDF: 5633890.3/55

- sign 174.463+/-0.033 χ^2/NDF: 3063819.3/28



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

Left Out: -0.594+/-5.276 χ^2/NDF:4.5/10

Right Out: -0.714+/-6.077 χ^2/NDF: 15.9/18

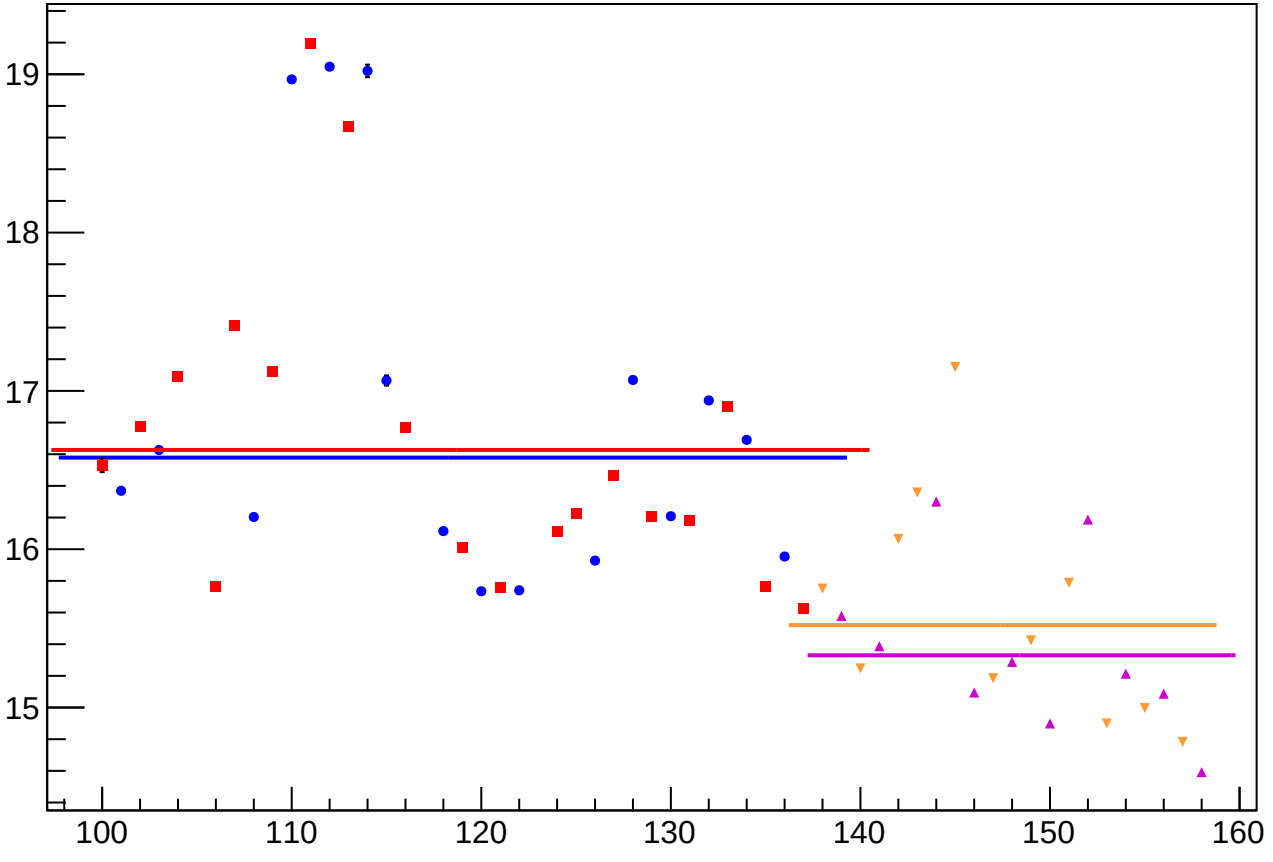
Left In: 0.404+/-5.200 χ^2/NDF:9.5/9

+ sign 1.313+/-4.010 χ^2/NDF: 9.3/26

All: 0.612+/-2.815 χ^2/NDF: 34.8/55

- sign -0.069+/-3.951 χ^2/NDF: 25.4/28

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.579+/-0.004 χ^2/NDF: 44575.6/15

Left Out: 15.521+/-0.004 χ^2/NDF:31196.5/10

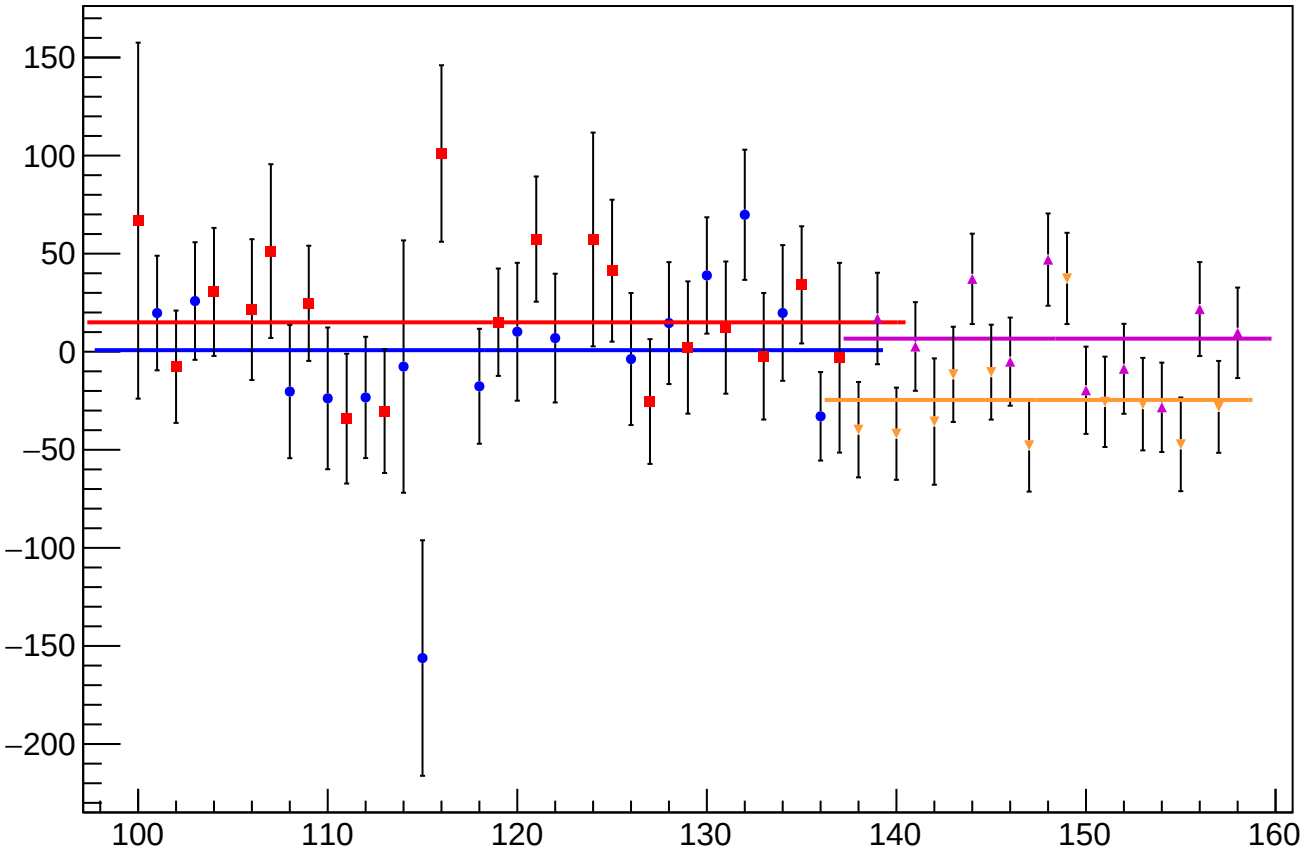
Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.330+/-0.004 χ^2/NDF:18624.2/9

+ sign 15.967+/-0.003 χ^2/NDF: 109722.4/26

All: 15.922+/-0.002 χ^2/NDF: 224898.3/55

- sign 15.878+/-0.003 χ^2/NDF: 114673.9/28



Right In: 0.790+/-8.125 χ^2/NDF: 18.7/15

Left Out: -24.584+/-7.297 χ^2/NDF:10.7/10

Right Out: 14.981+/-7.953 χ^2/NDF: 15.4/18

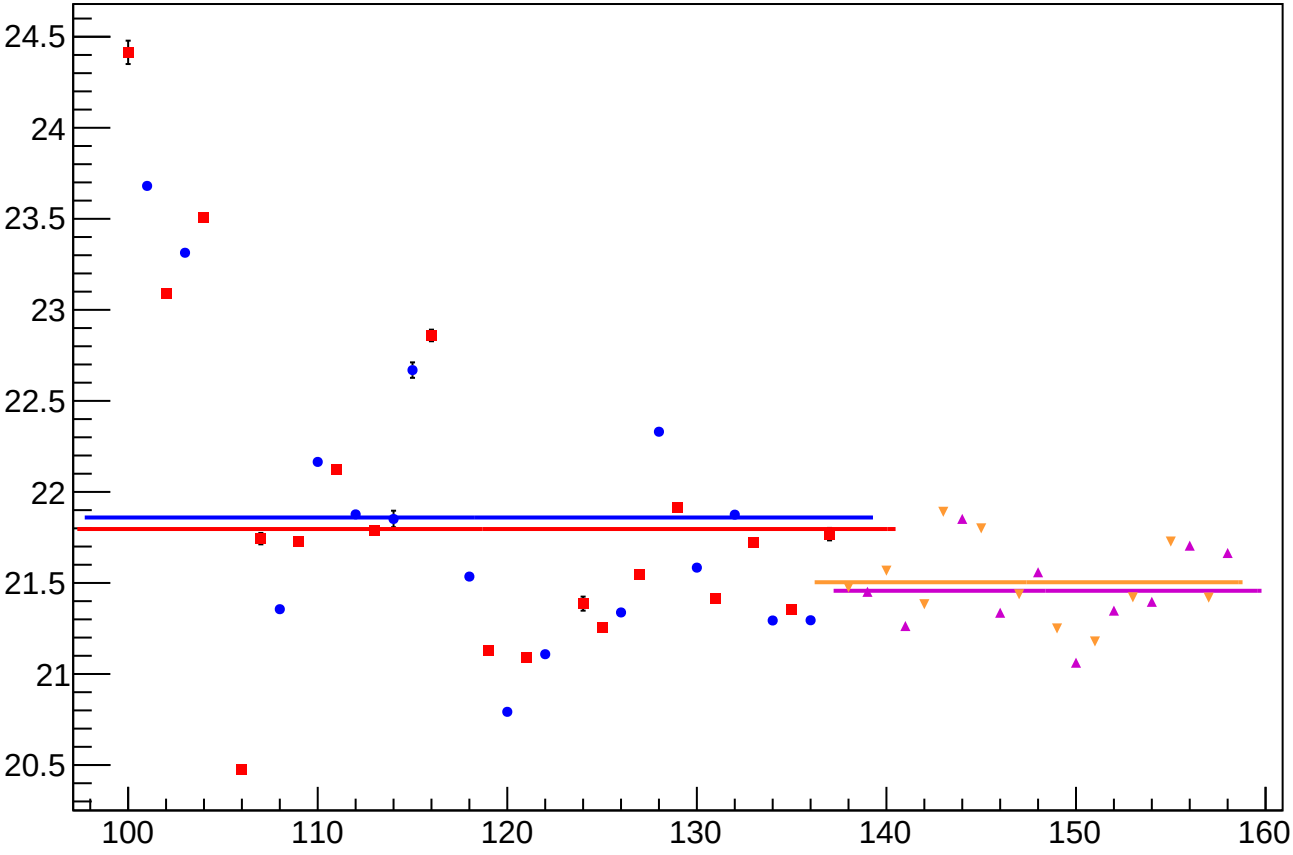
Left In: 6.673+/-7.266 χ^2/NDF:9.8/9

+ sign -13.256+/-5.429 χ^2/NDF: 34.7/26

All: -1.261+/-3.816 χ^2/NDF: 70.2/55

- sign 10.453+/-5.365 χ^2/NDF: 25.8/28

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.860+/-0.006 χ^2/NDF: 19468.1/15

Left Out: 21.504+/-0.005 χ^2/NDF:1732.1/10

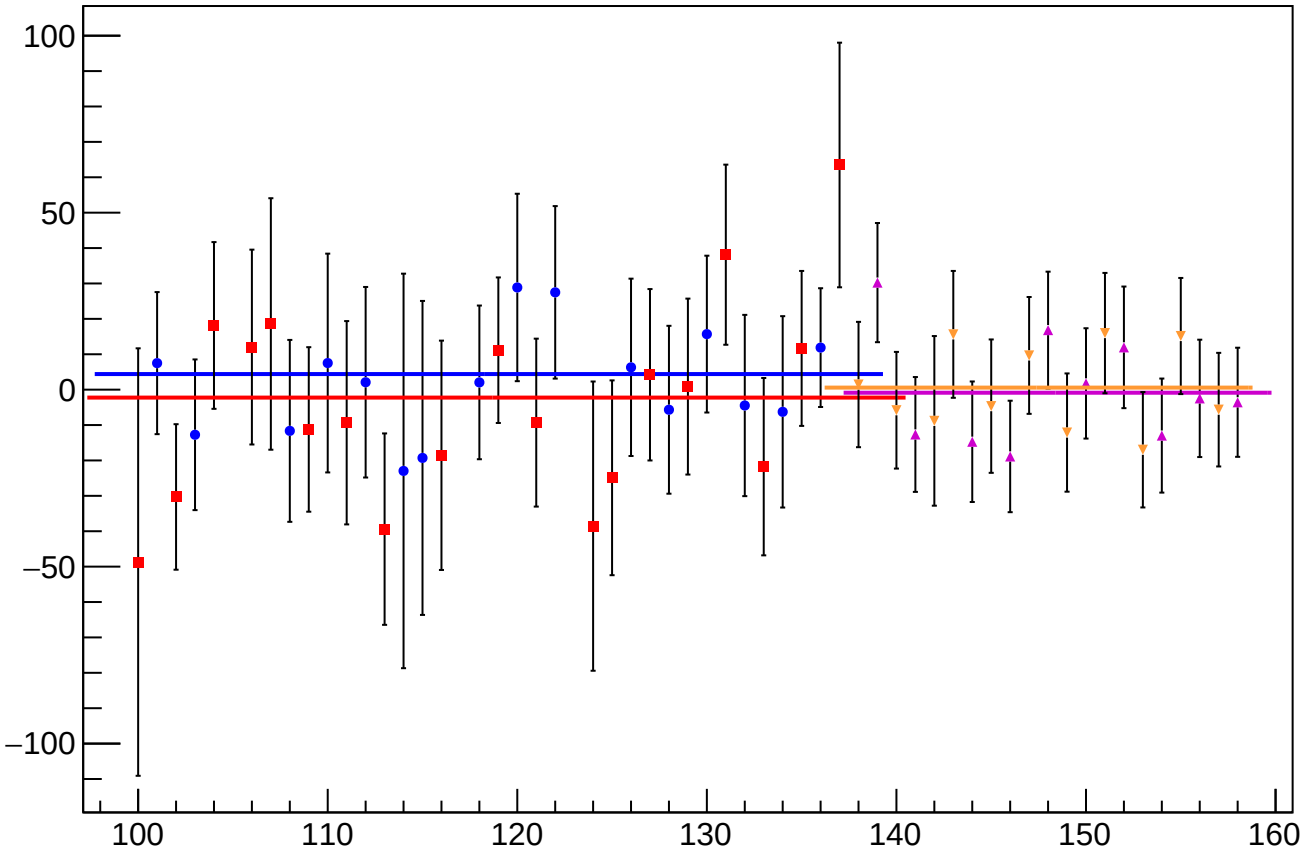
Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.457+/-0.005 χ^2/NDF:1895.8/9

+ sign 21.663+/-0.004 χ^2/NDF: 23321.1/26

All: 21.637+/-0.003 χ^2/NDF: 46151.4/55

- sign 21.611+/-0.004 χ^2/NDF: 22739.8/28



Right In: 4.404+/-6.137 χ^2/NDF: 4.3/15

Left Out: 0.578+/-5.226 χ^2/NDF:4.9/10

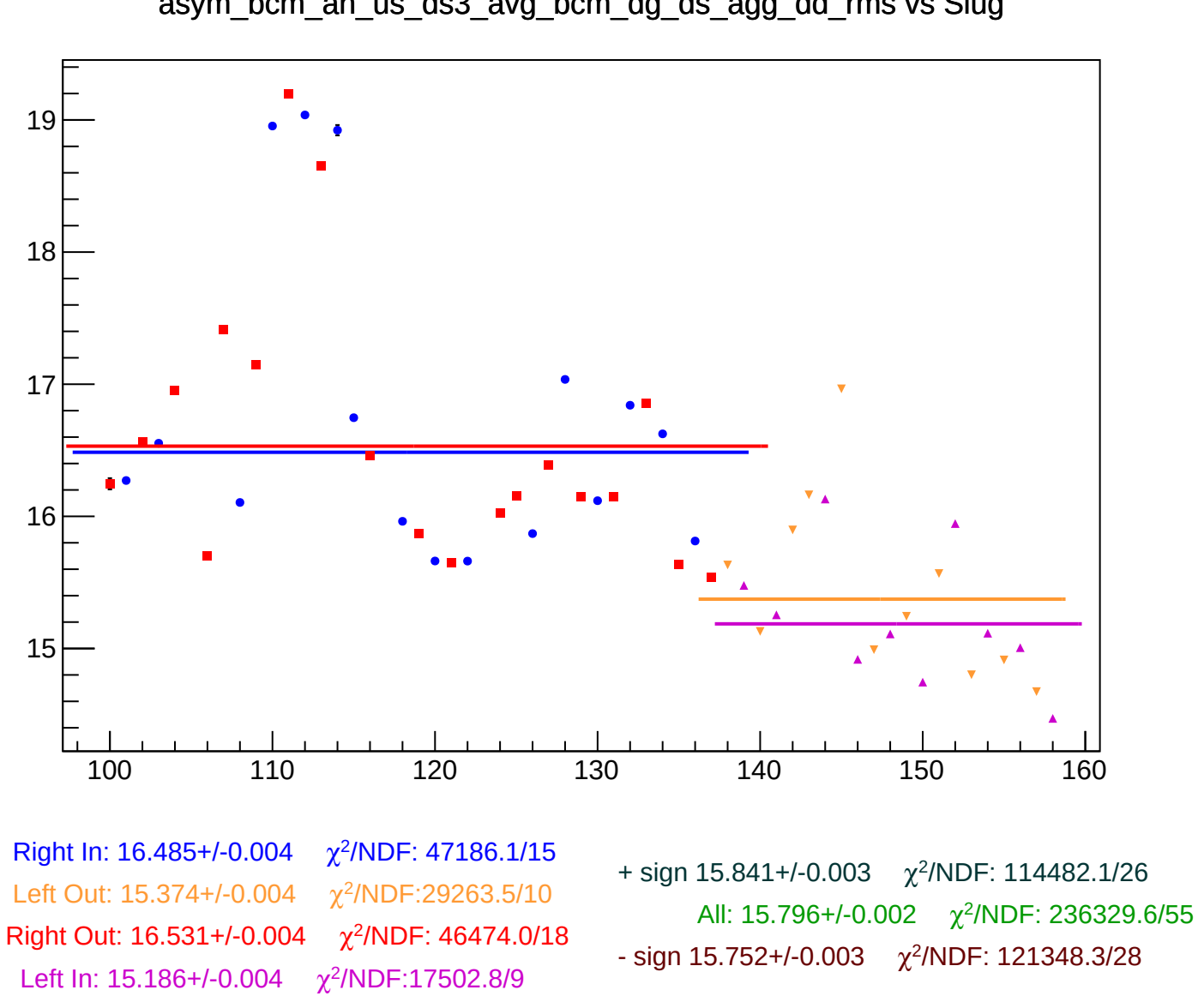
Right Out: -2.244+/-6.042 χ^2/NDF: 15.4/18

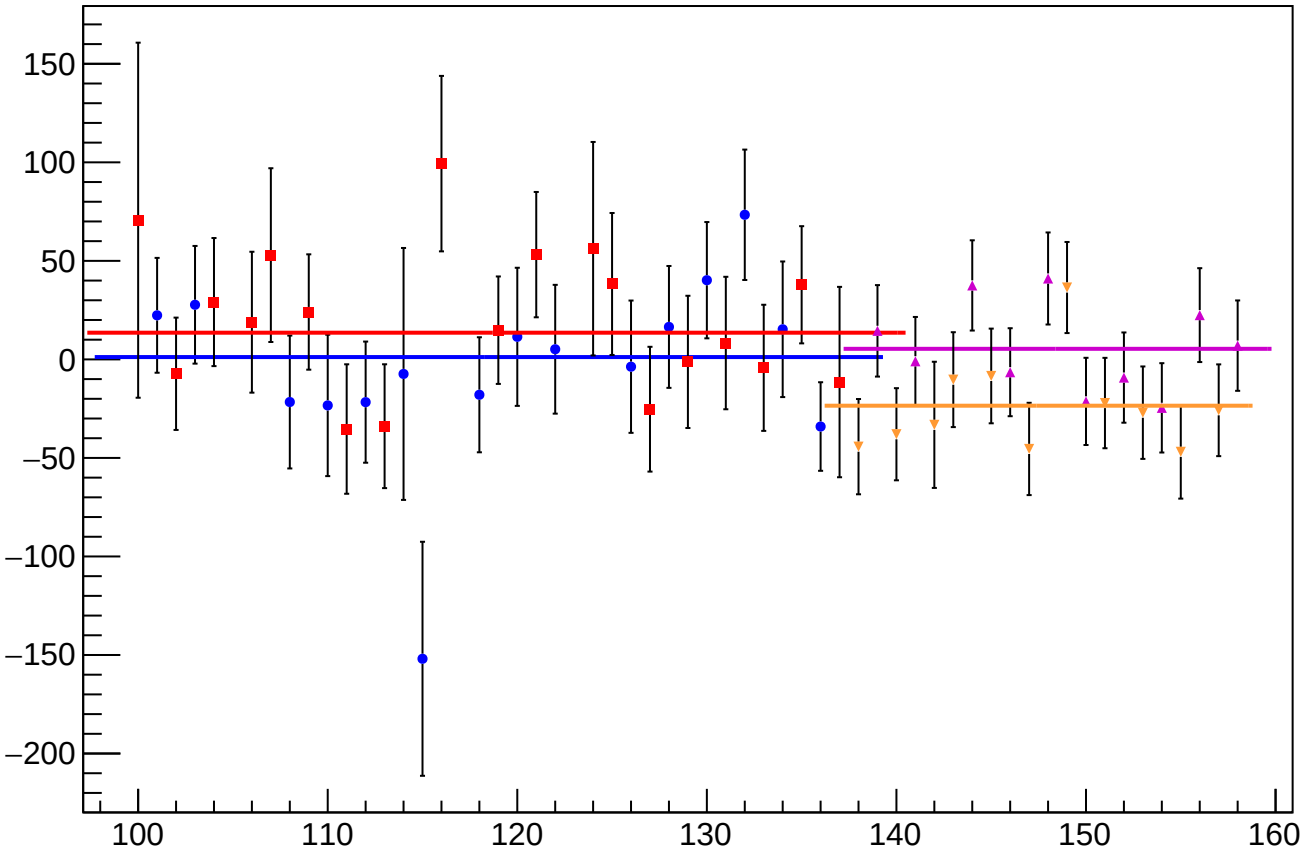
Left In: -0.869+/-5.151 χ^2/NDF:8.3/9

+ sign 2.186+/-3.979 χ^2/NDF: 9.4/26

All: 0.342+/-2.792 χ^2/NDF: 33.5/55

- sign -1.447+/-3.920 χ^2/NDF: 23.7/28


asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug
19
18
17
16
15
100
110
120
130
140
150
160
Right In: 16.485+/-0.004 χ²/NDF: 47186.1/15
Left Out: 15.374+/-0.004 χ²/NDF:29263.5/10
Right Out: 16.531+/-0.004 χ²/NDF: 46474.0/18
Left In: 15.186+/-0.004 χ²/NDF:17502.8/9
+ sign 15.841+/-0.003 χ²/NDF: 114482.1/26
All: 15.796+/-0.002 χ²/NDF: 236329.6/55
- sign 15.752+/-0.003 χ²/NDF: 121348.3/28



Right In: 1.185+/-8.088 χ^2/NDF: 19.4/15

Left Out: -23.498+/-7.254 χ^2/NDF:10.5/10

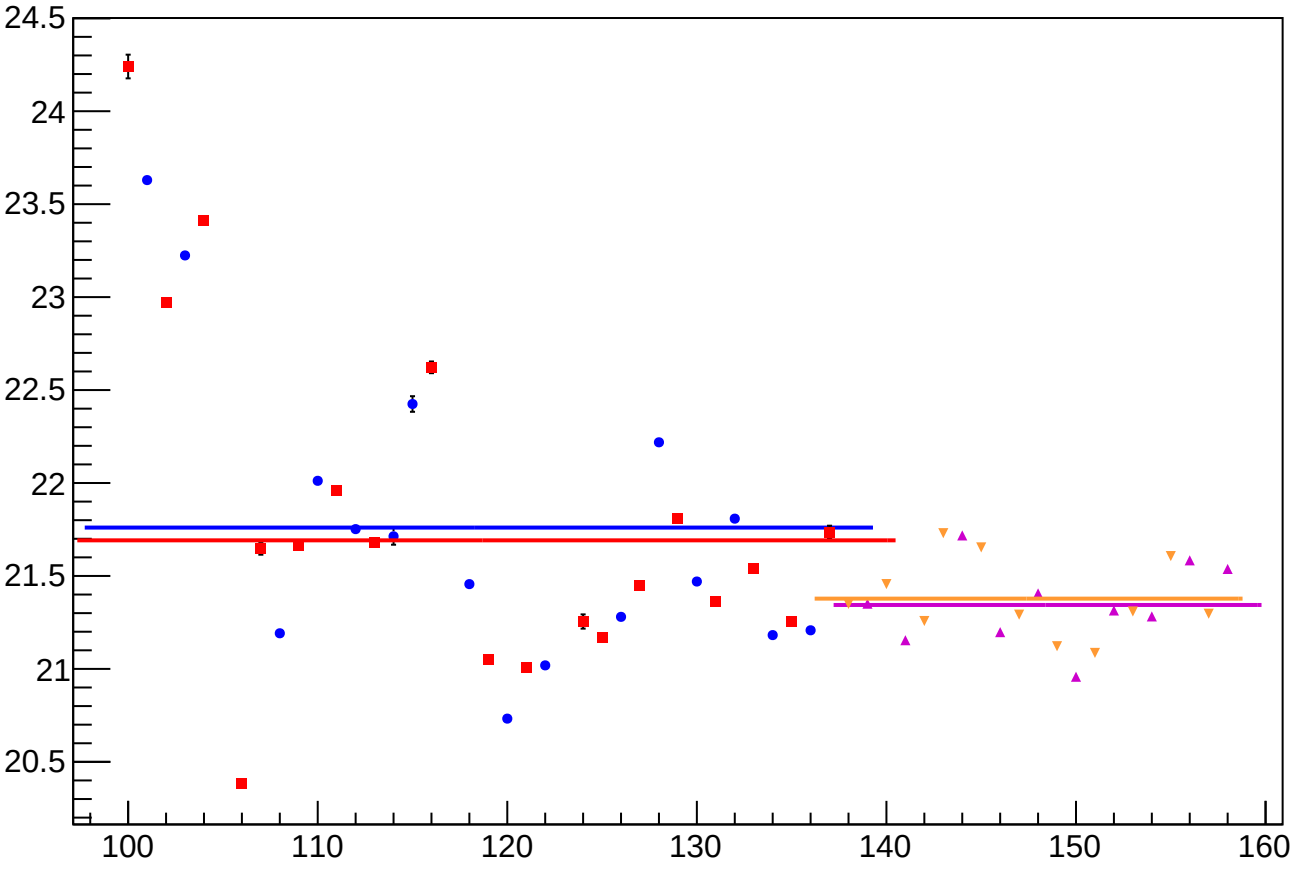
Right Out: 13.549+/-7.915 χ^2/NDF: 15.9/18

Left In: 5.366+/-7.228 χ^2/NDF:9.0/9

+ sign -12.495+/-5.400 χ^2/NDF: 35.1/26

All: -1.578+/-3.796 χ^2/NDF: 68.6/55

- sign 9.087+/-5.337 χ^2/NDF: 25.5/28



Right In: 21.760+/-0.006 χ^2/NDF: 19745.7/15

Left Out: 21.378+/-0.005 χ^2/NDF:1568.2/10

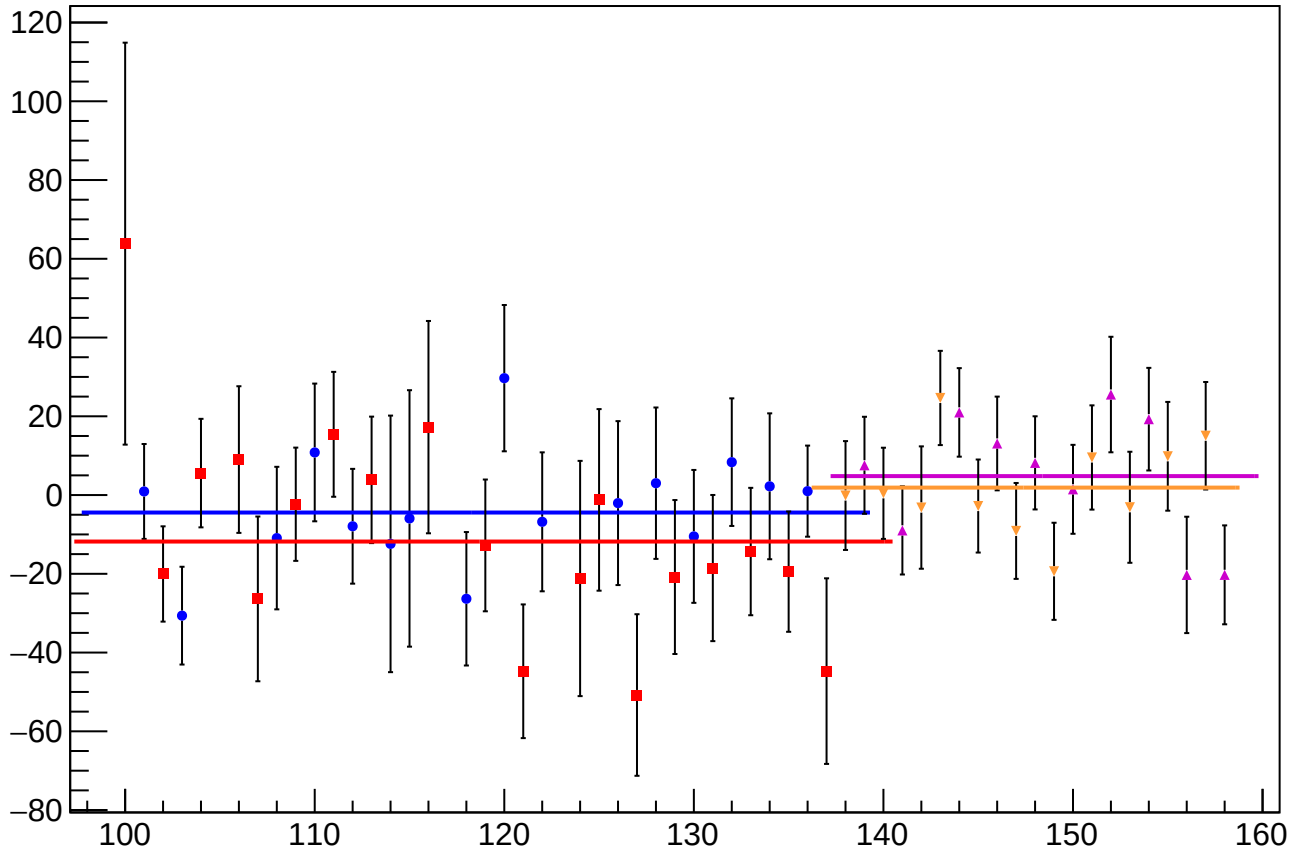
Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

Left In: 21.344+/-0.005 χ^2/NDF:1749.1/9

+ sign 21.548+/-0.004 χ^2/NDF: 23789.9/26

All: 21.525+/-0.003 χ^2/NDF: 46048.6/55

- sign 21.502+/-0.004 χ^2/NDF: 22184.0/28



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 1.891+/-3.903 χ^2/NDF:9.4/10

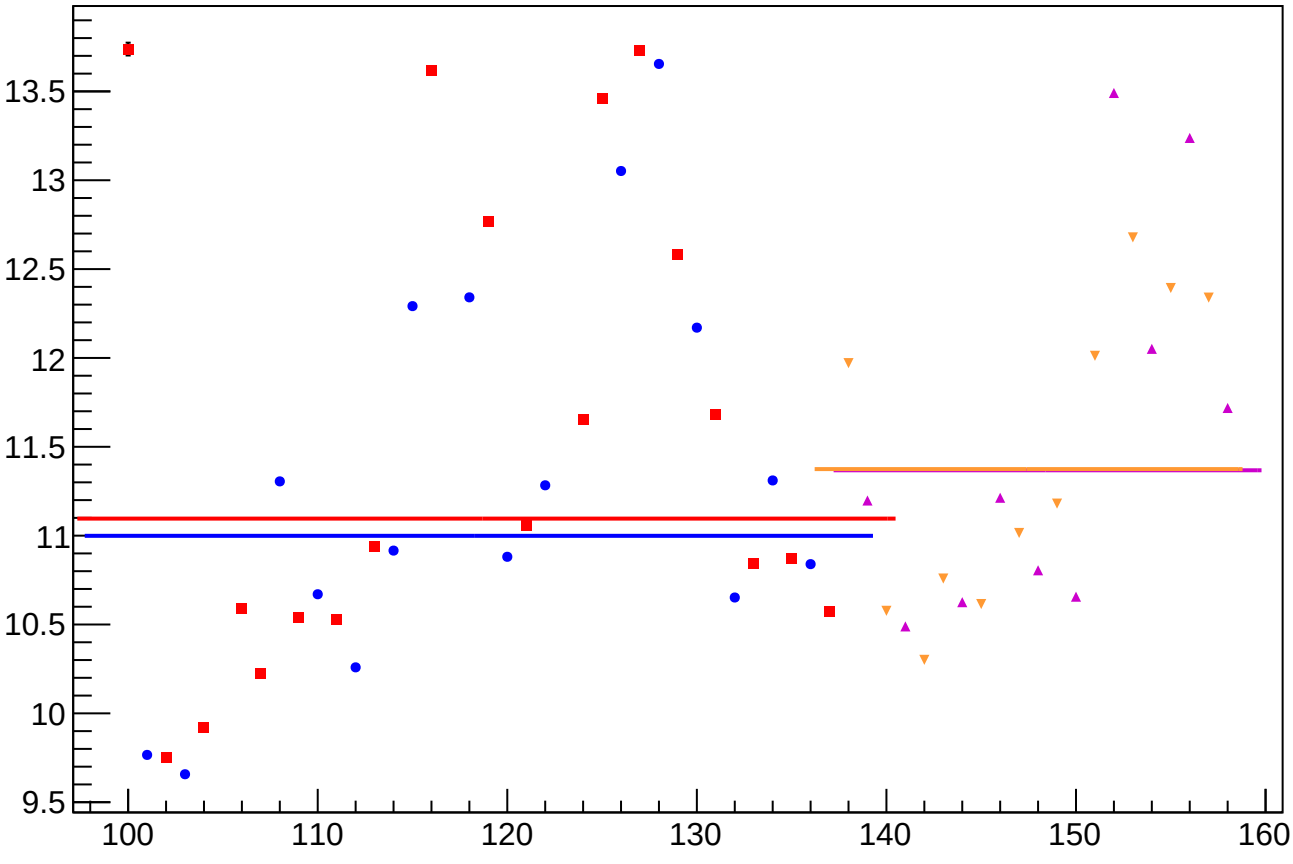
Right Out: -11.807+/-4.097 χ^2/NDF: 21.7/18

Left In: 4.811+/-3.893 χ^2/NDF:14.4/9

\+ sign -1.095+/-2.837 χ^2/NDF: 22.7/26

All: -2.089+/-2.001 χ^2/NDF: 67.7/55

\- sign -3.073+/-2.822 χ^2/NDF: 44.8/28



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.375+/-0.003 χ^2/NDF:81186.0/10

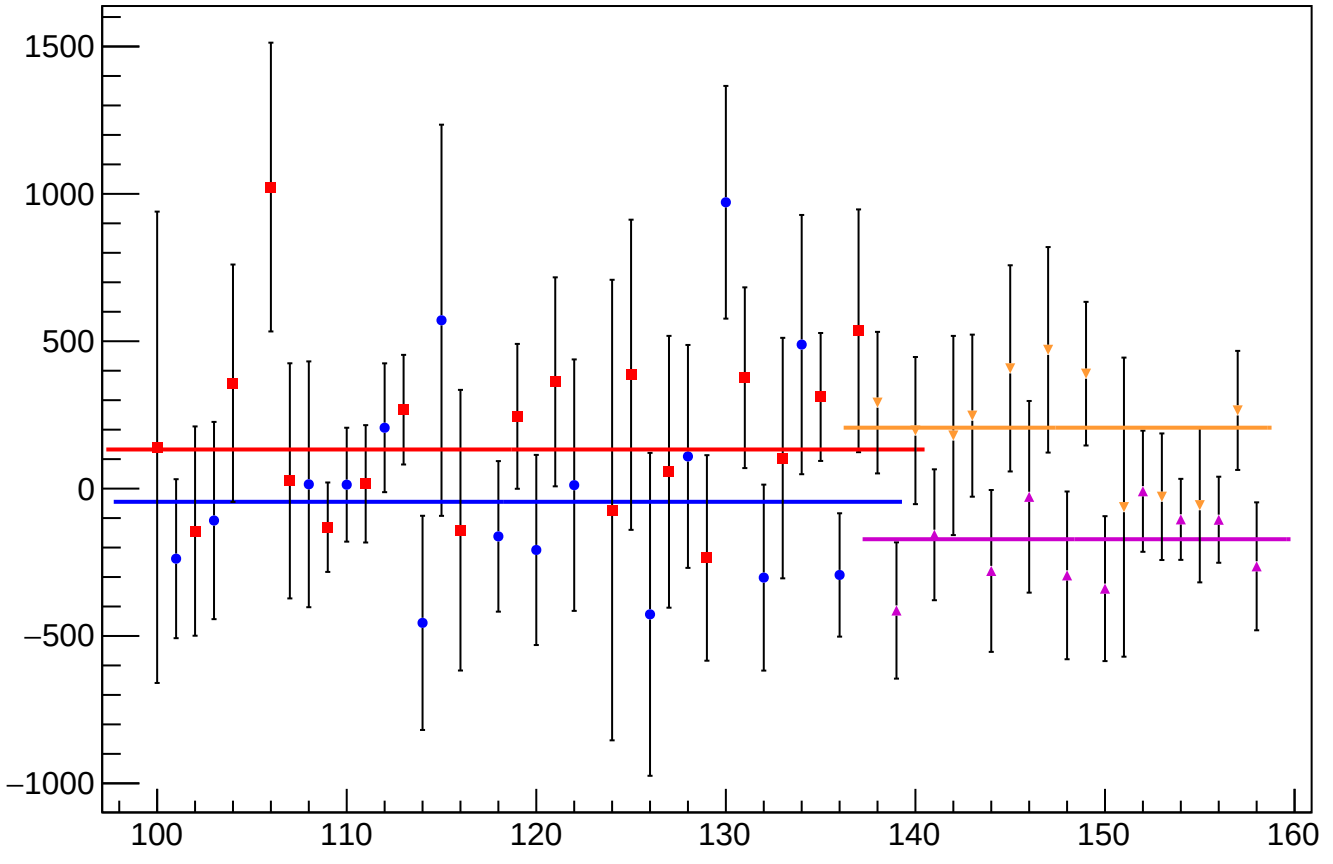
Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 11.368+/-0.003 χ^2/NDF:115225.7/9

+ sign 11.197+/-0.002 χ^2/NDF: 226077.2/26

All: 11.218+/-0.001 χ^2/NDF: 509053.7/55

- sign 11.239+/-0.002 χ^2/NDF: 282762.4/28



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 206.699+/-80.767 χ^2/NDF:4.2/10

Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

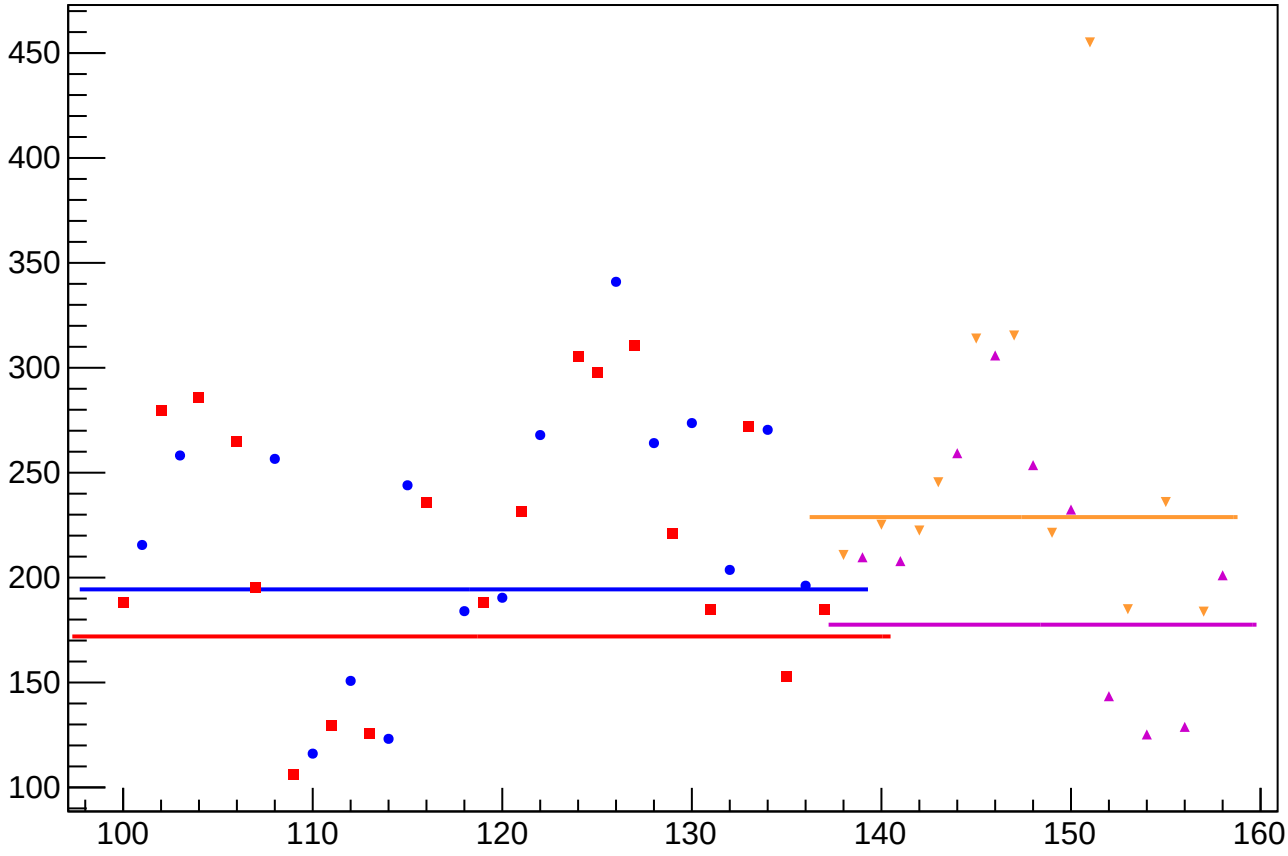
Left In: -171.733+/-65.183 χ^2/NDF:3.4/9

+ sign 74.007+/-55.512 χ^2/NDF: 24.7/26

All: 15.594+/-35.934 χ^2/NDF: 53.2/55

- sign -26.538+/-47.145 χ^2/NDF: 26.6/28

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 228.835+/-0.057 χ^2/NDF:845553.4/10

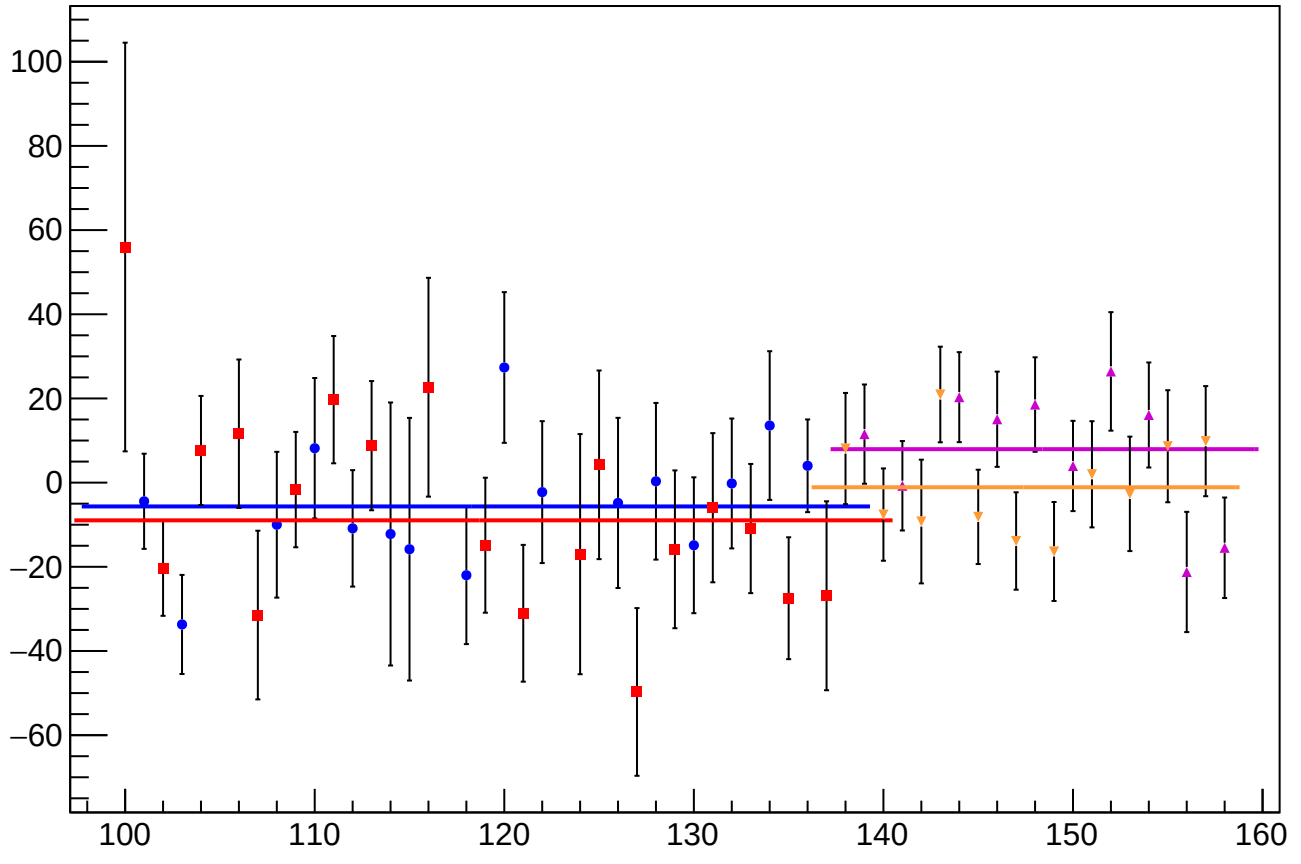
Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 177.560+/-0.046 χ^2/NDF:1397875.2/9

+ sign 210.659+/-0.039 χ^2/NDF: 2079553.5/26

All: 189.875+/-0.025 χ^2/NDF: 5618414.5/55

- sign 174.884+/-0.033 χ^2/NDF: 3056285.9/28



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: -1.103+/-3.720 χ^2/NDF:9.5/10

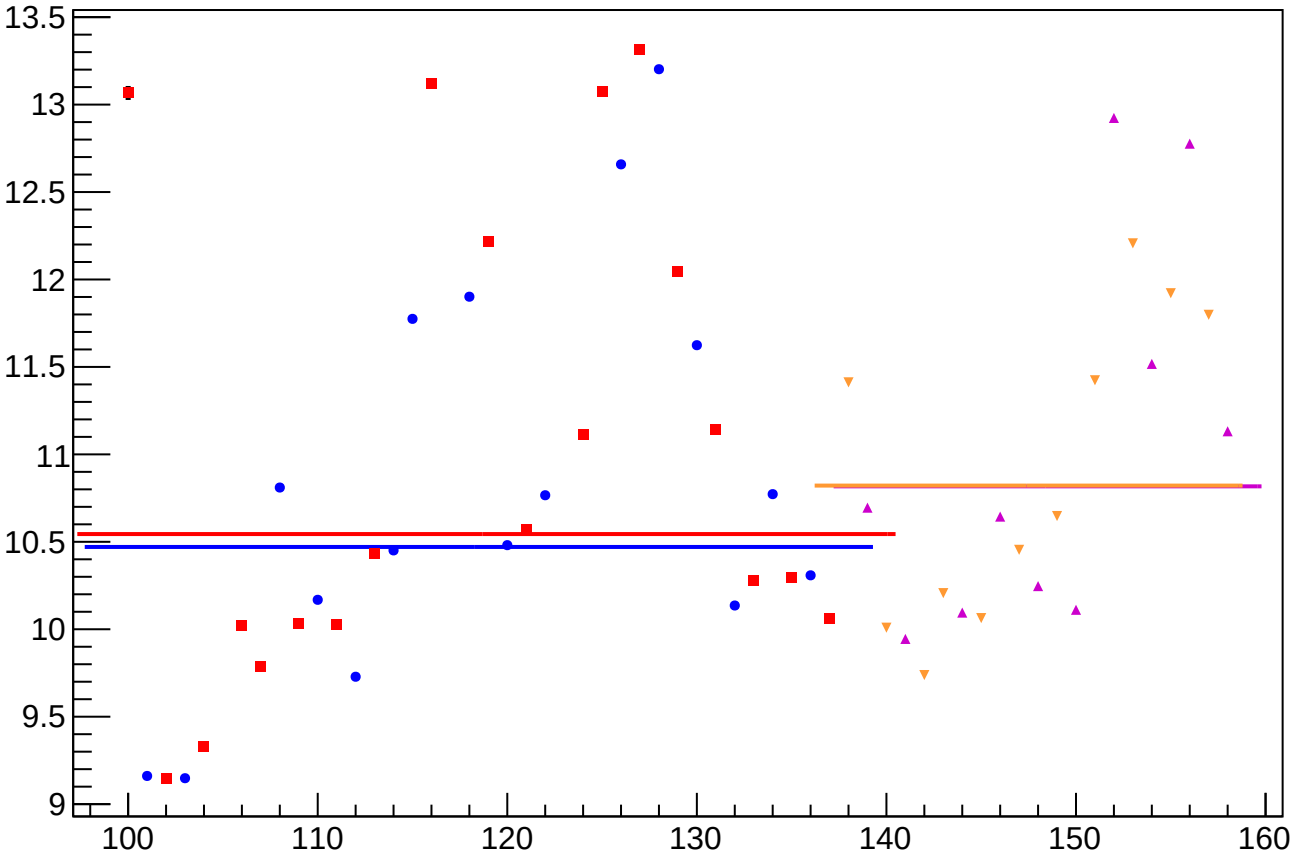
Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: 7.948+/-3.711 χ^2/NDF:13.7/9

+ sign -3.250+/-2.705 χ^2/NDF: 23.9/26

All: -1.657+/-1.907 χ^2/NDF: 70.9/55

- sign -0.083+/-2.689 χ^2/NDF: 46.3/28



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.822+/-0.003 χ^2/NDF:93418.8/10

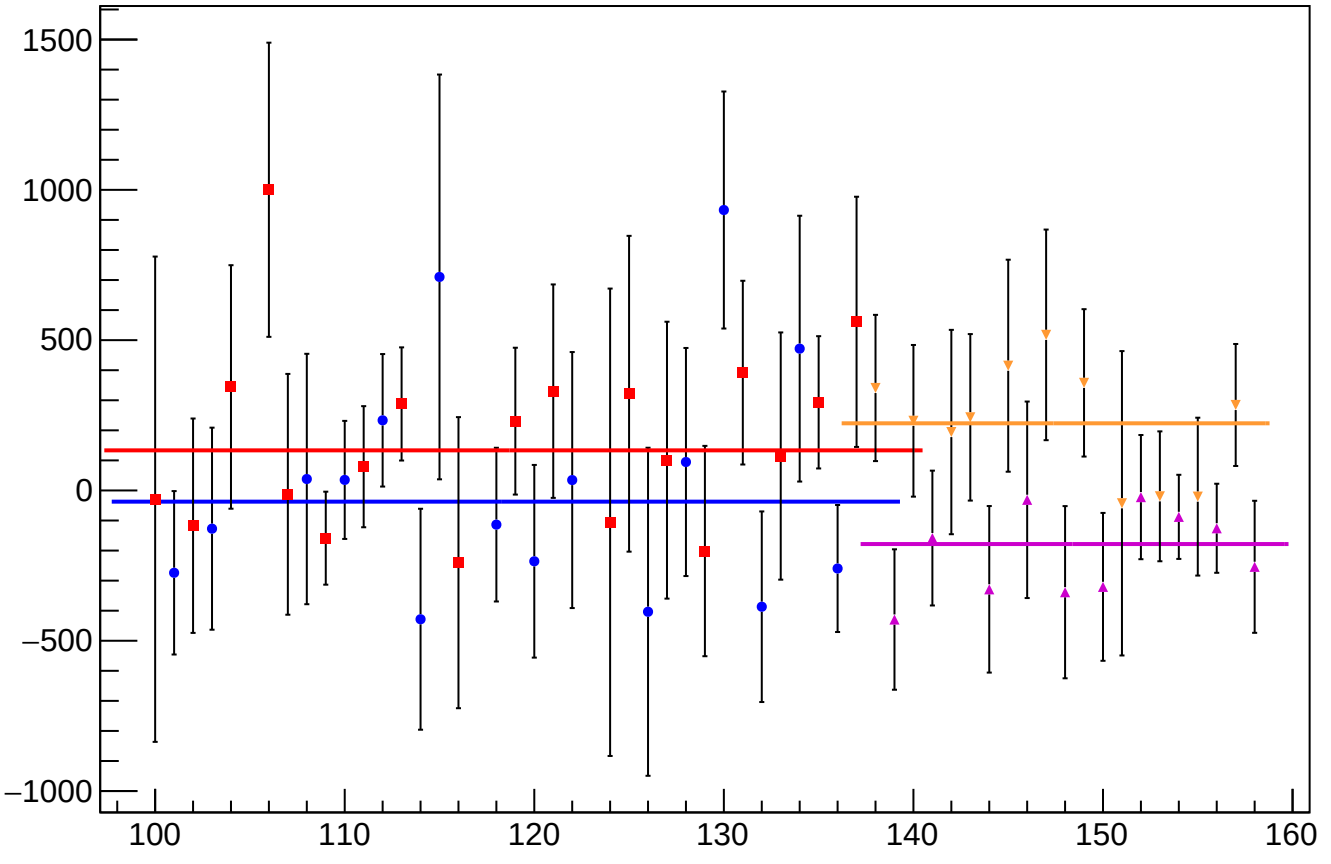
Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.817+/-0.003 χ^2/NDF:127208.4/9

+ sign 10.656+/-0.002 χ^2/NDF: 259174.8/26

All: 10.672+/-0.001 χ^2/NDF: 578434.7/55

- sign 10.688+/-0.002 χ^2/NDF: 319123.7/28



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 223.387+/-81.312 χ^2/NDF:4.0/10

Right Out: 133.386+/-68.885 χ^2/NDF: 12.9/18

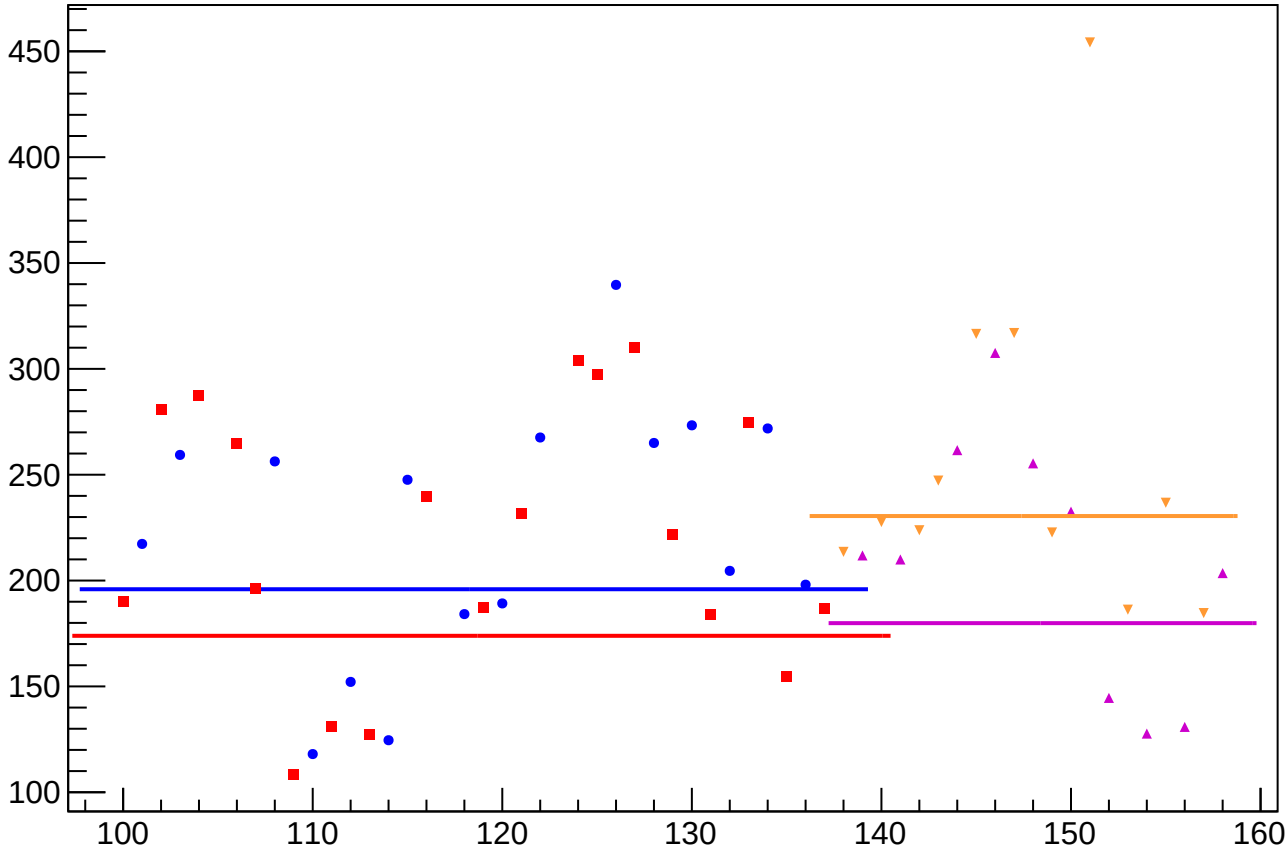
Left In: -178.273+/-65.920 χ^2/NDF:3.5/9

+ sign 85.836+/-55.877 χ^2/NDF: 25.1/26

All: 19.150+/-36.246 χ^2/NDF: 54.7/55

- sign -29.296+/-47.626 χ^2/NDF: 27.1/28

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 230.478+/-0.057 χ^2/NDF:838468.4/10

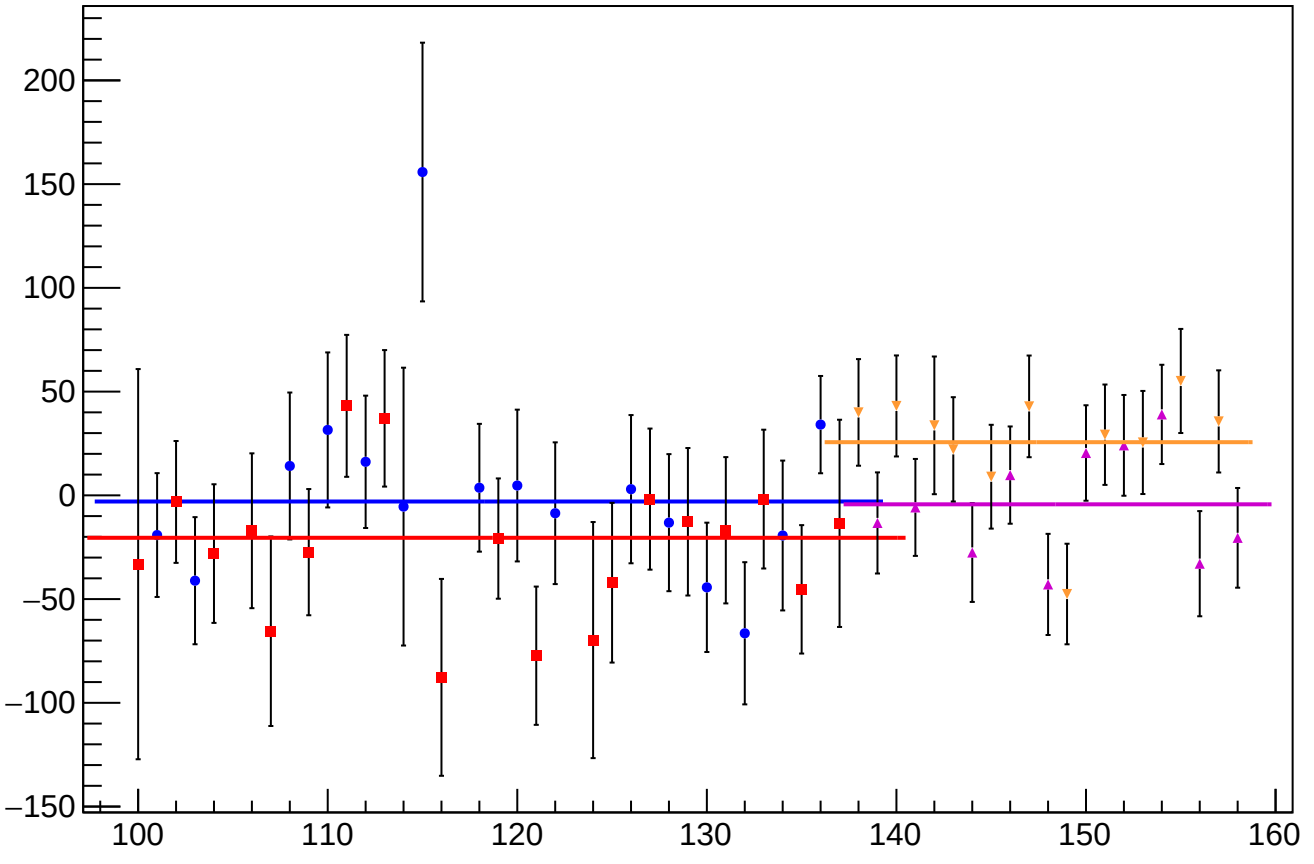
Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 179.884+/-0.047 χ^2/NDF:1361778.3/9

+ sign 212.229+/-0.040 χ^2/NDF: 2040367.3/26

All: 191.838+/-0.026 χ^2/NDF: 5469453.1/55

- sign 177.024+/-0.034 χ^2/NDF: 2969261.4/28



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 25.623+/-7.619 χ^2/NDF:12.5/10

Right Out: -20.457+/-8.292 χ^2/NDF: 15.3/18

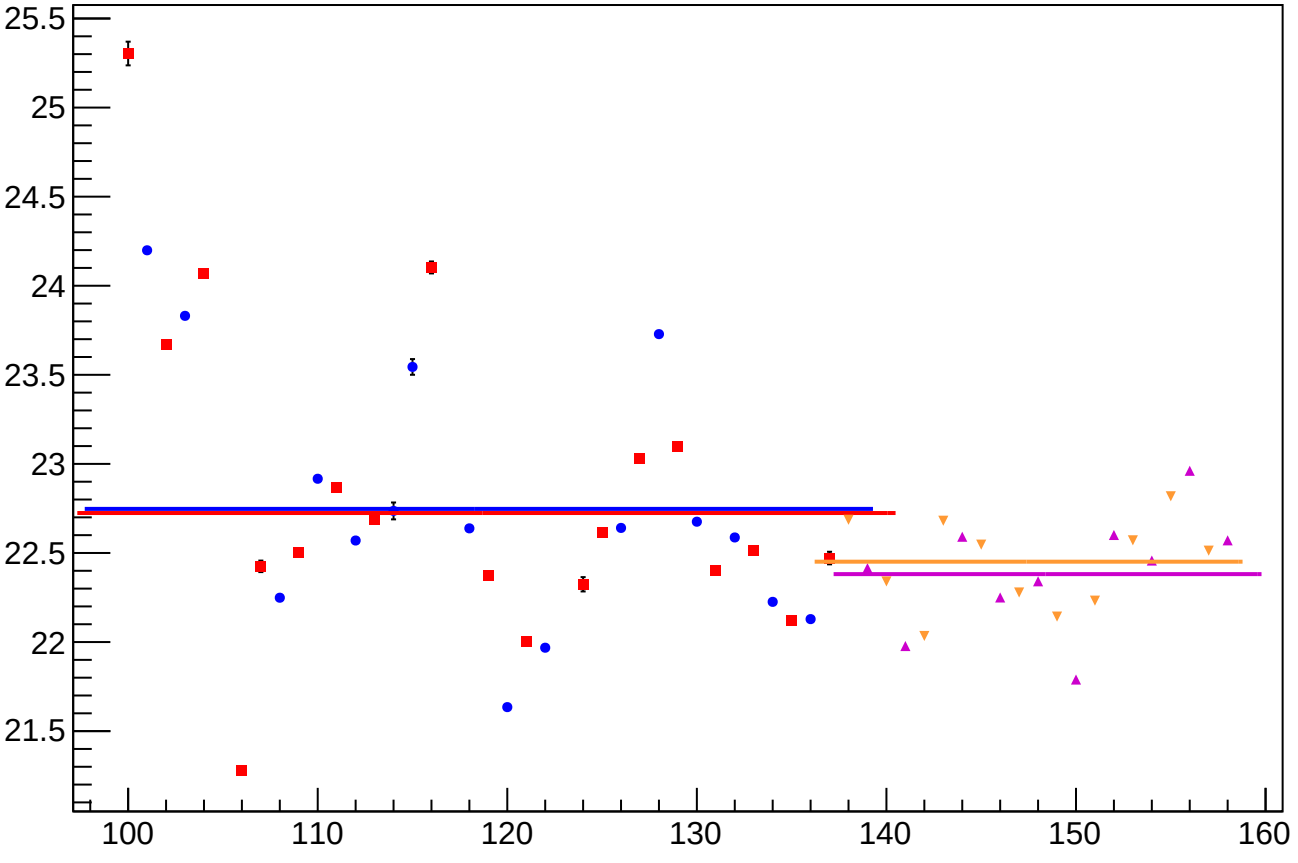
Left In: -4.324+/-7.580 χ^2/NDF:11.5/9

+ sign 12.809+/-5.660 χ^2/NDF: 36.8/26

All: 0.429+/-3.979 χ^2/NDF: 75.1/55

- sign -11.669+/-5.595 χ^2/NDF: 28.8/28

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.451+/-0.005 χ^2/NDF:1795.2/10

Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

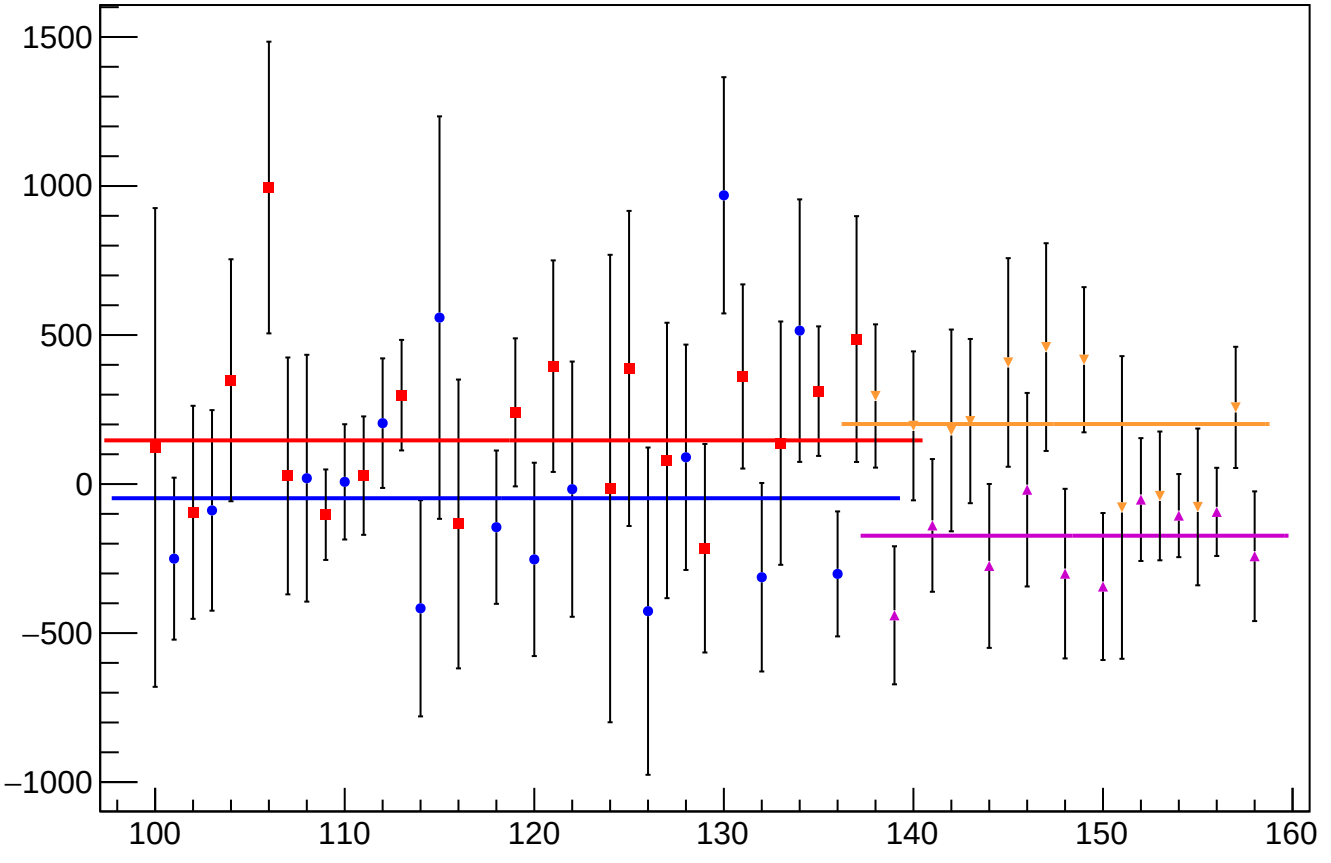
Left In: 22.381+/-0.005 χ^2/NDF:3503.6/9

\+ sign 22.584+/-0.004 χ^2/NDF: 17774.2/26

All: 22.560+/-0.003 χ^2/NDF: 37700.2/55

\- sign 22.537+/-0.004 χ^2/NDF: 19857.7/28

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 201.412+/-80.999 χ^2/NDF:4.6/10

Right Out: 146.573+/-68.398 χ^2/NDF: 11.6/18

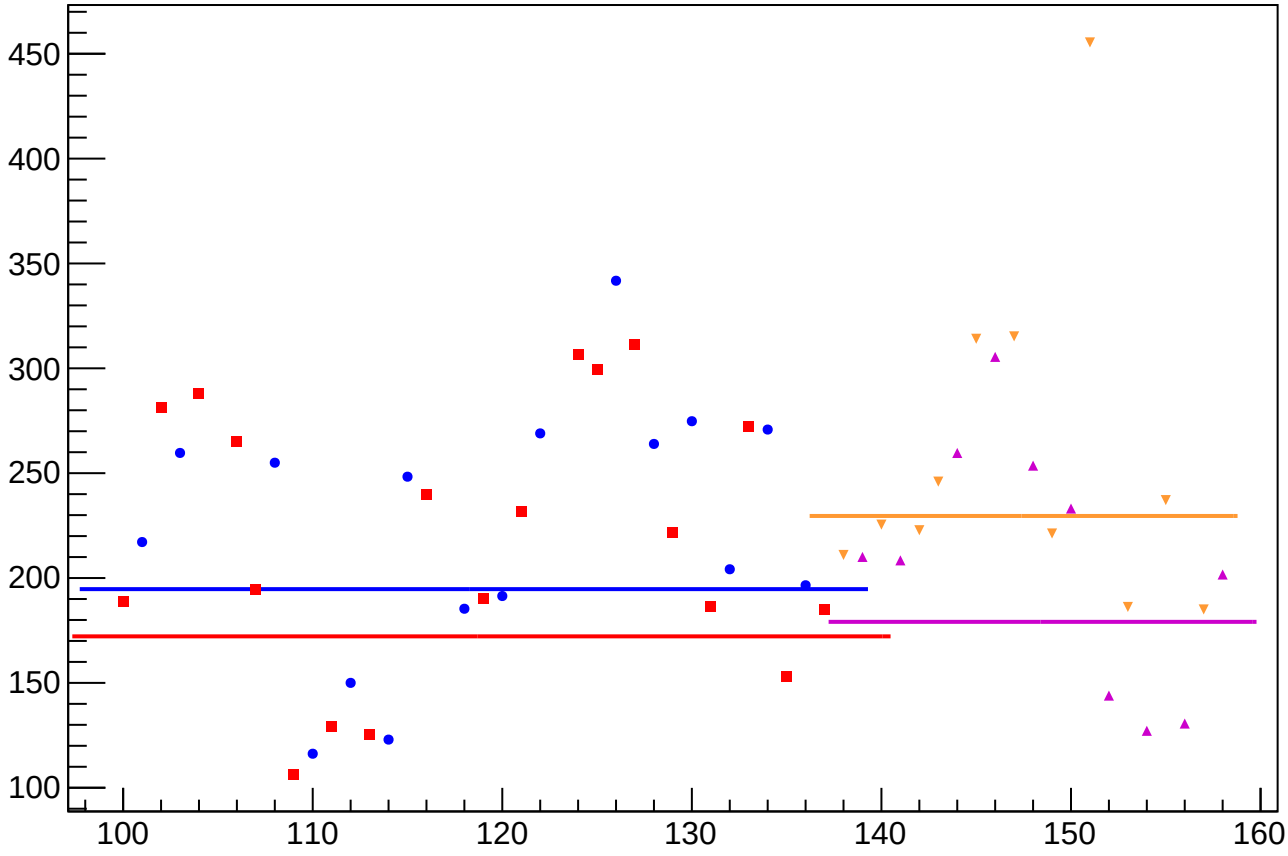
Left In: -173.324+/-65.634 χ^2/NDF:3.4/9

+ sign 69.955+/-55.643 χ^2/NDF: 25.0/26

All: 17.805+/-36.064 χ^2/NDF: 52.8/55

- sign -19.970+/-47.357 χ^2/NDF: 26.3/28

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 229.598+/-0.057 χ^2/NDF:834077.5/10

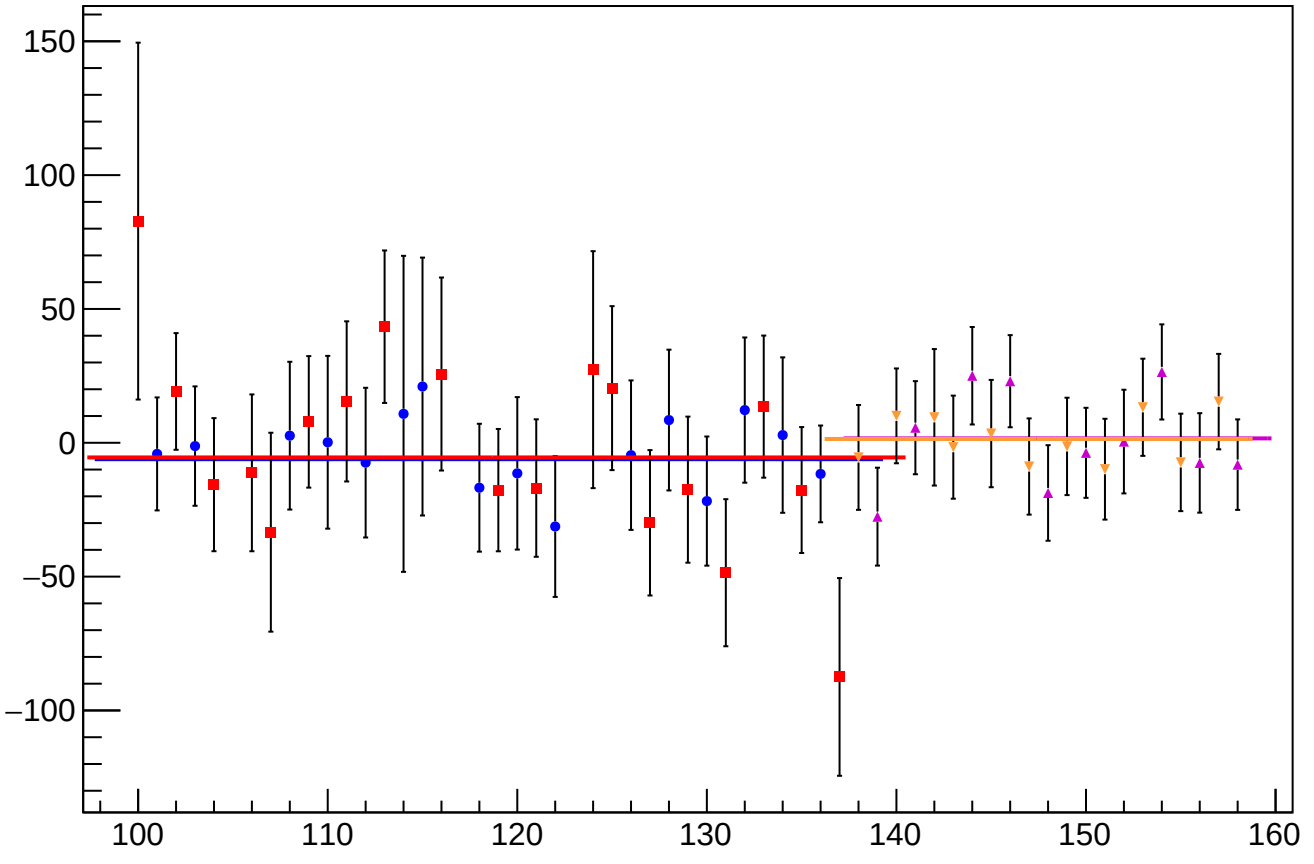
Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 179.108+/-0.046 χ^2/NDF:1350367.1/9

+ sign 211.173+/-0.039 χ^2/NDF: 2082330.9/26

All: 190.653+/-0.026 χ^2/NDF: 5583447.3/55

- sign 175.790+/-0.033 χ^2/NDF: 3032098.6/28



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 1.431+/-5.712 χ^2/NDF:2.5/10

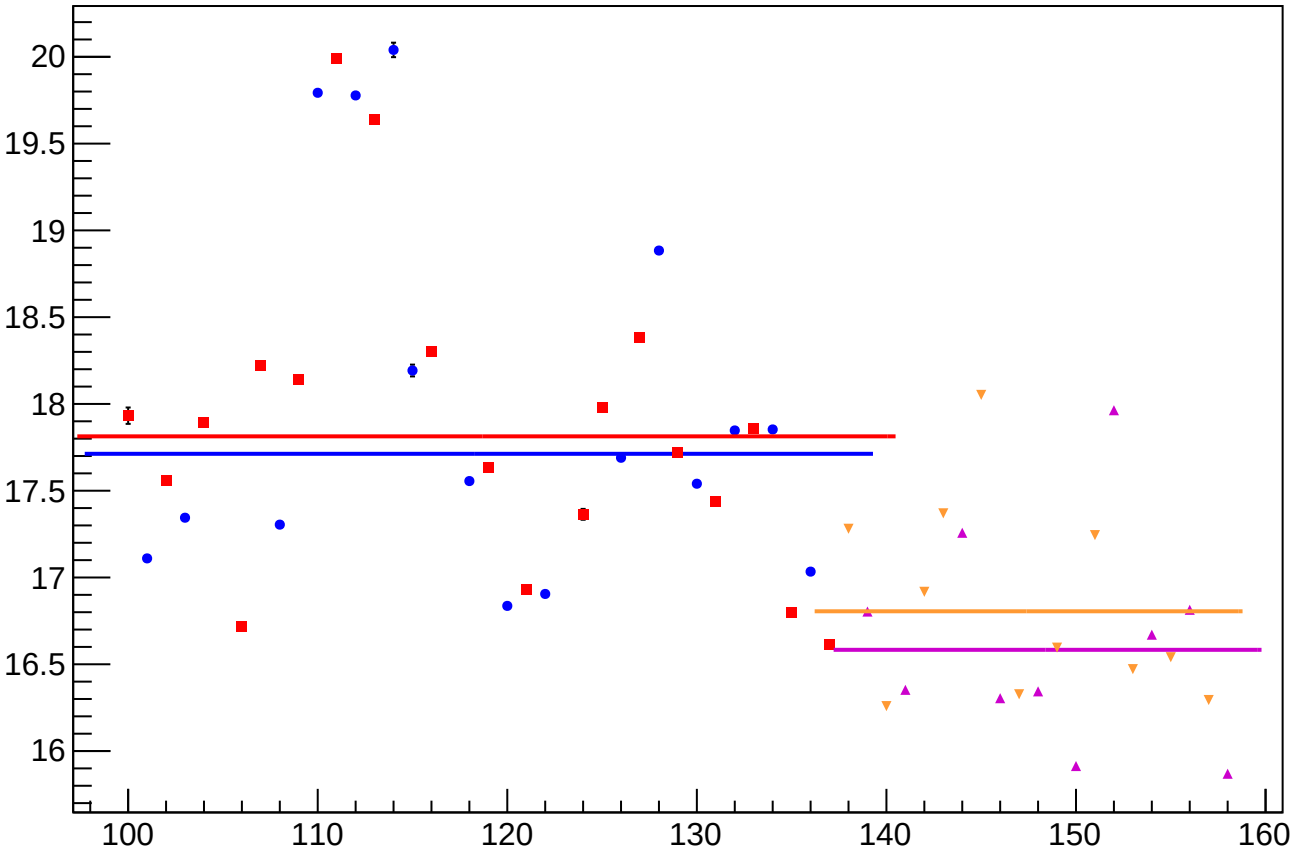
Right Out: -5.470+/-6.509 χ^2/NDF: 19.2/18

Left In: 1.644+/-5.627 χ^2/NDF:9.7/9

+ sign -1.807+/-4.317 χ^2/NDF: 6.4/26

All: -1.600+/-3.031 χ^2/NDF: 36.0/55

- sign -1.399+/-4.257 χ^2/NDF: 29.6/28



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.805+/-0.004 χ^2/NDF:18080.5/10

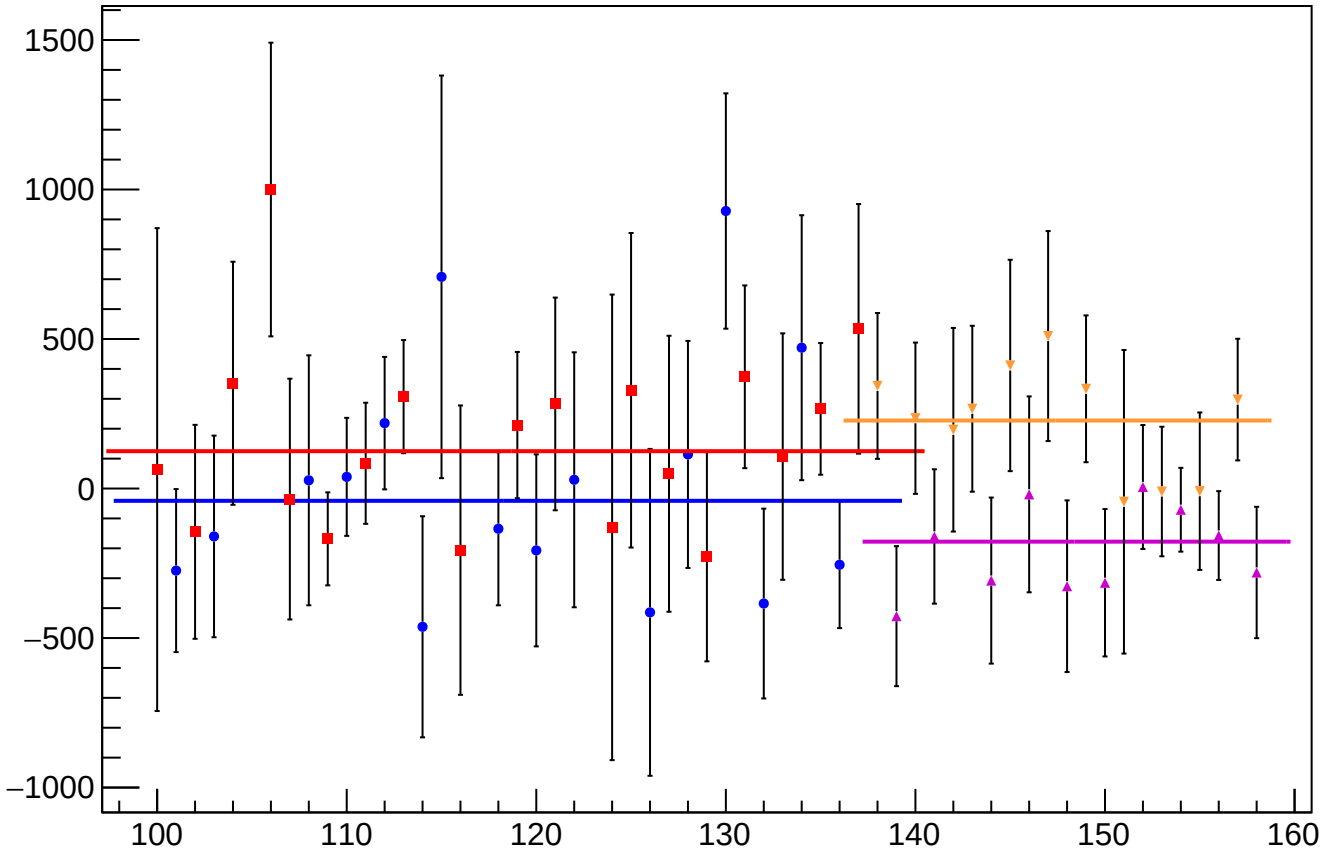
Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.583+/-0.004 χ^2/NDF:21523.1/9

+ sign 17.194+/-0.003 χ^2/NDF: 75705.3/26

All: 17.151+/-0.002 χ^2/NDF: 171210.6/55

- sign 17.109+/-0.003 χ^2/NDF: 95111.6/28



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 227.441+/-81.500 χ^2/NDF:3.8/10

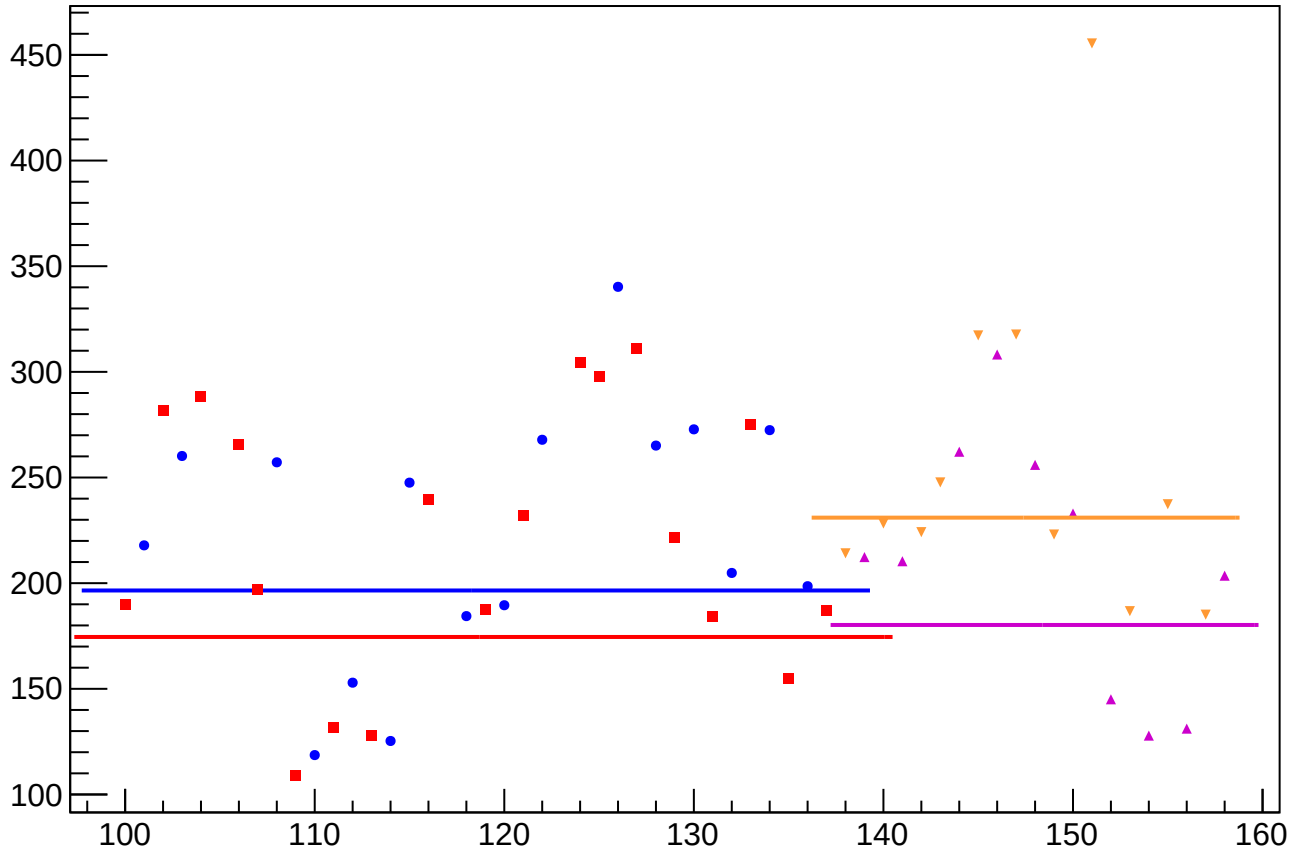
Right Out: 124.872+/-69.109 χ^2/NDF: 12.9/18

Left In: -177.698+/-66.045 χ^2/NDF:3.8/9

+ sign 85.786+/-56.024 χ^2/NDF: 25.1/26

All: 16.824+/-36.340 χ^2/NDF: 54.4/55

- sign -33.267+/-47.747 χ^2/NDF: 26.7/28



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 231.013+/-0.058 χ^2/NDF:838281.2/10

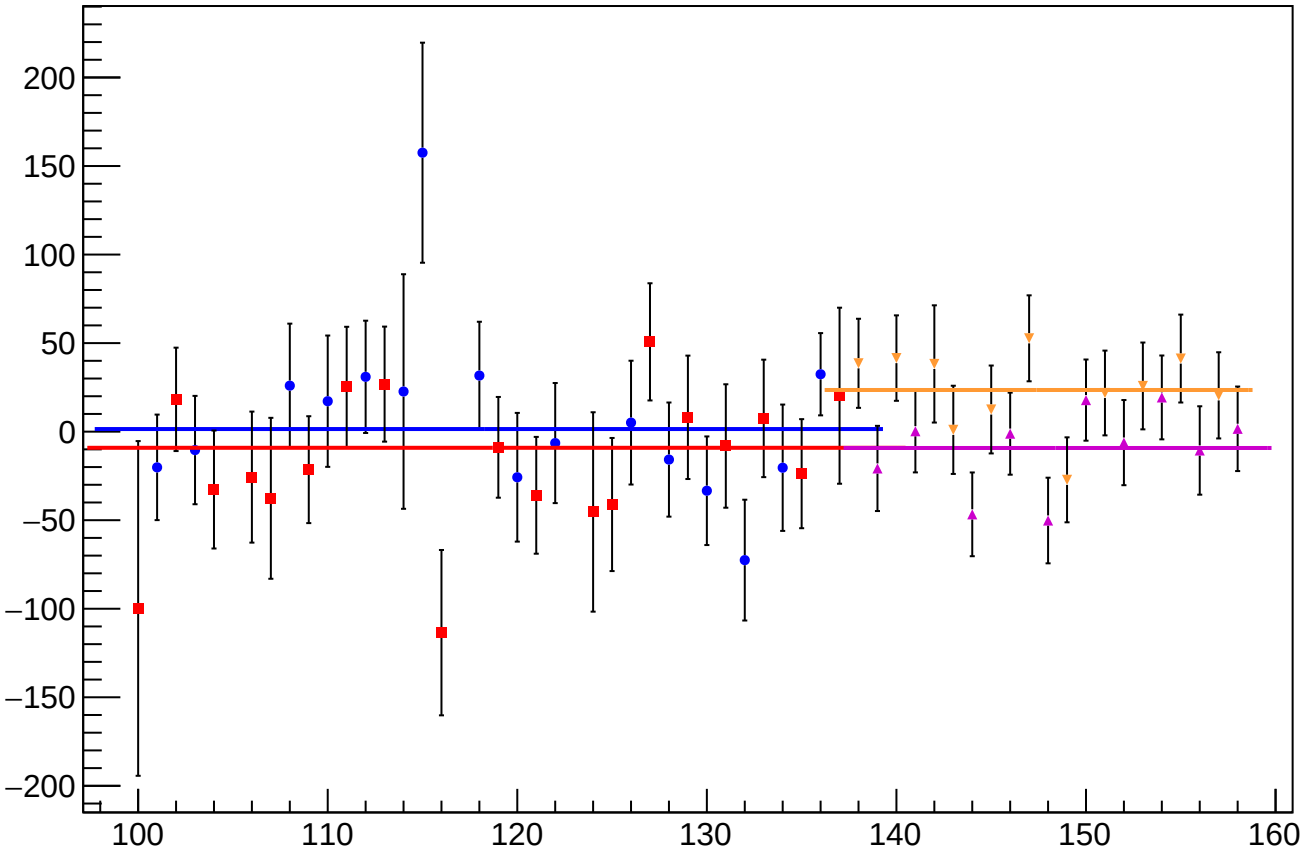
Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 180.222+/-0.047 χ^2/NDF:1362091.9/9

+ sign 212.831+/-0.040 χ^2/NDF: 2027769.2/26

All: 192.371+/-0.026 χ^2/NDF: 5446145.6/55

- sign 177.509+/-0.034 χ^2/NDF: 2957882.4/28



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 23.528+/-7.537 χ^2/NDF:8.6/10

Right Out: -9.113+/-8.198 χ^2/NDF: 16.5/18

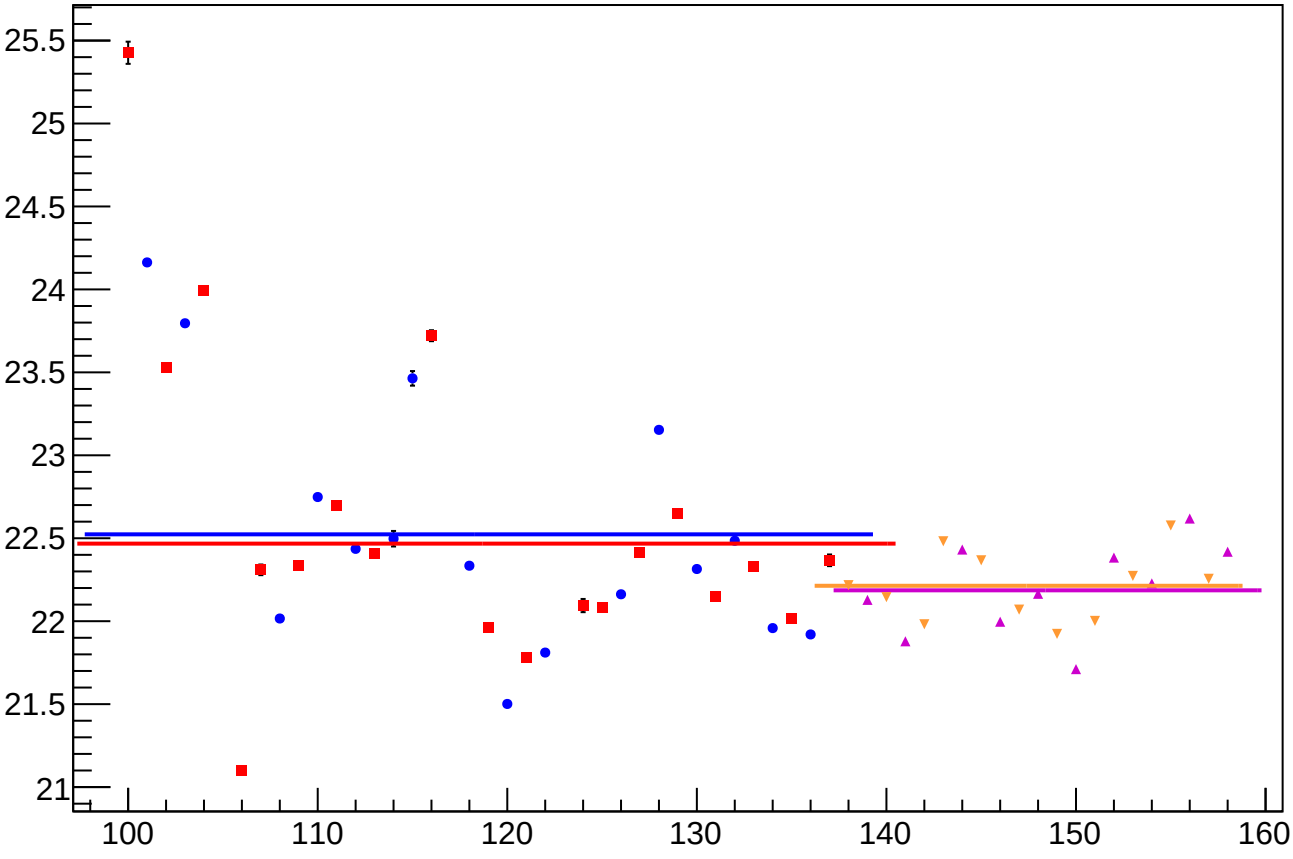
Left In: -9.222+/-7.513 χ^2/NDF:9.0/9

+ sign 13.654+/-5.601 χ^2/NDF: 31.1/26

All: 2.113+/-3.938 χ^2/NDF: 64.9/55

- sign -9.172+/-5.539 χ^2/NDF: 25.4/28

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.524+/-0.006 χ^2/NDF: 15947.8/15

Left Out: 22.214+/-0.005 χ^2/NDF:1388.4/10

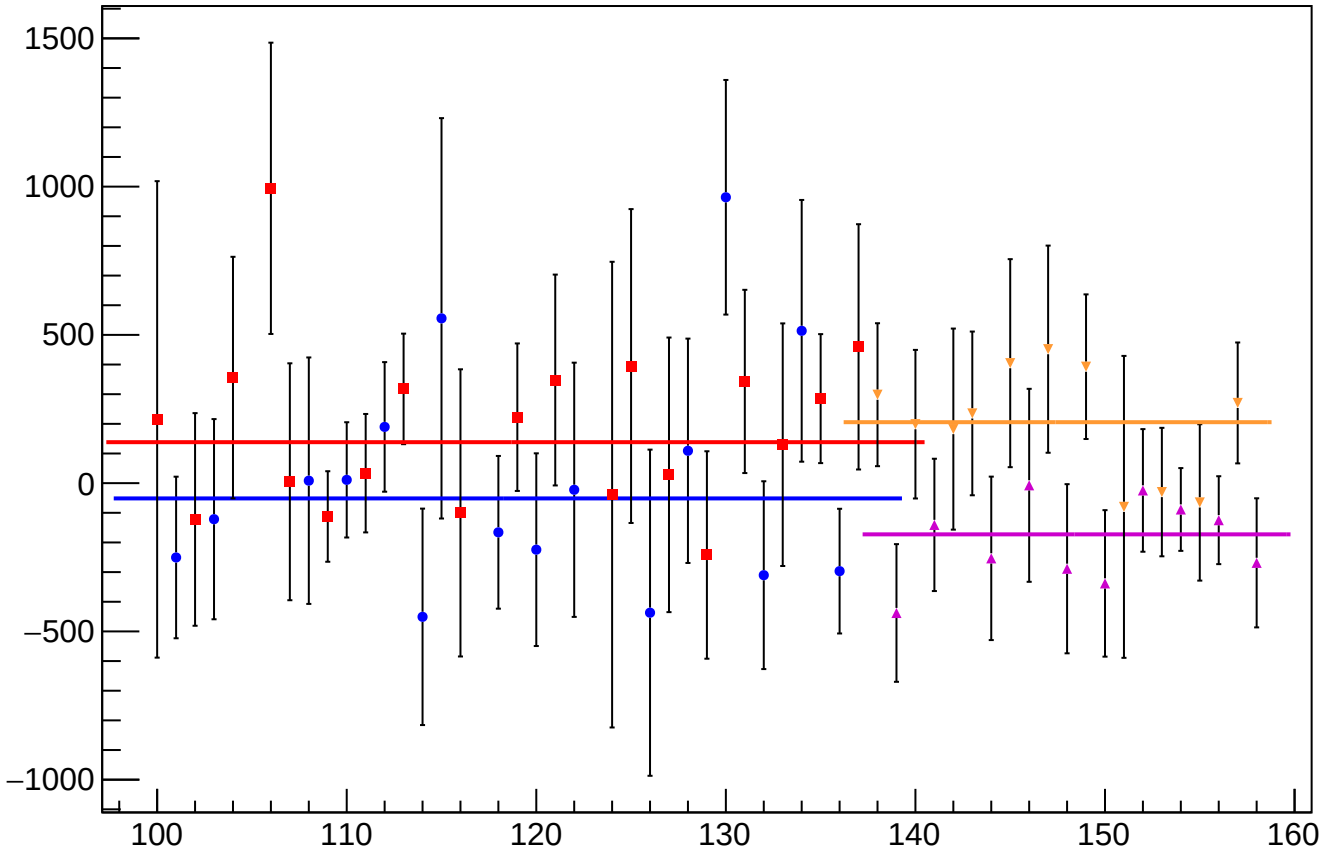
Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.186+/-0.005 χ^2/NDF:2502.2/9

+ sign 22.352+/-0.004 χ^2/NDF: 18851.6/26

All: 22.333+/-0.003 χ^2/NDF: 38308.3/55

- sign 22.315+/-0.004 χ^2/NDF: 19410.7/28



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 205.600+/-81.186 χ^2/NDF:4.2/10

Right Out: 138.184+/-68.625 χ^2/NDF: 11.6/18

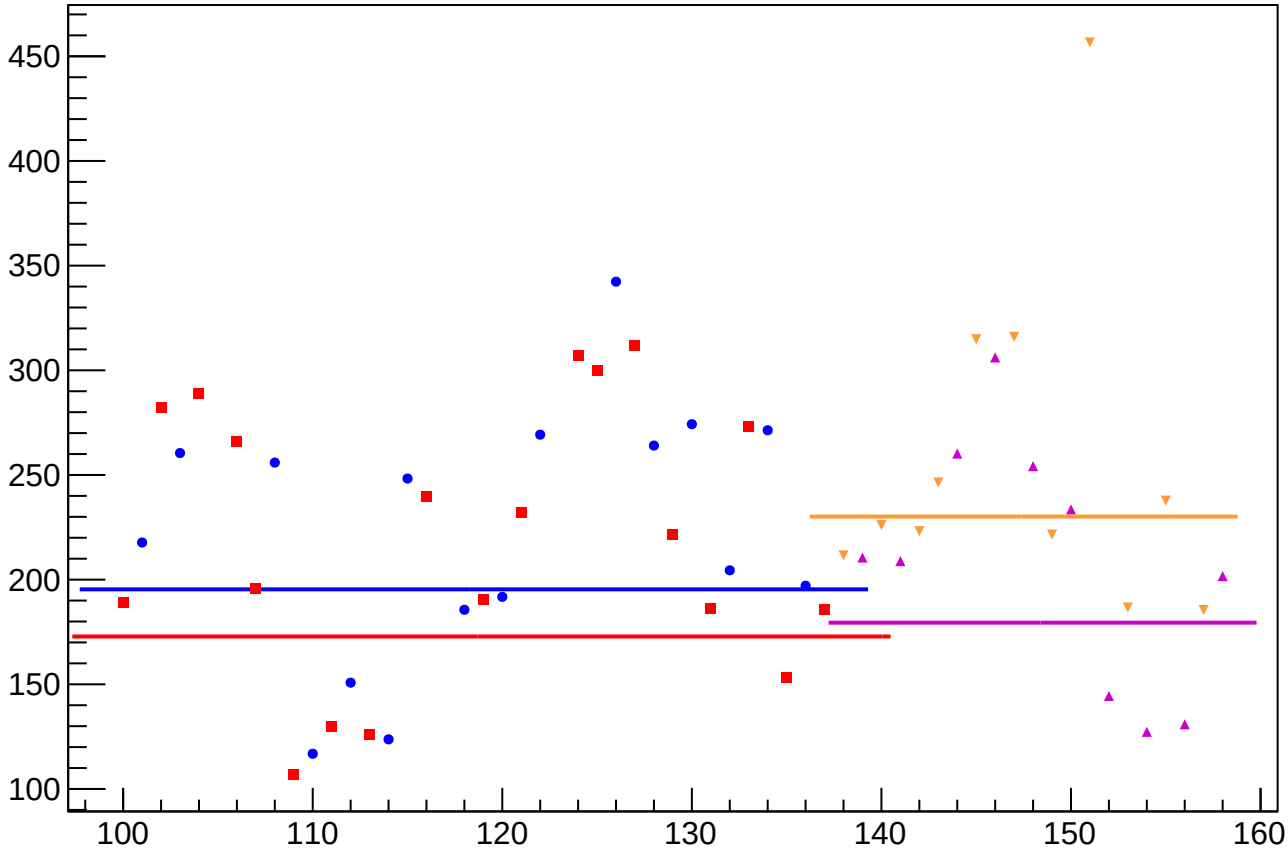
Left In: -172.680+/-65.759 χ^2/NDF:3.5/9

+ sign 69.918+/-55.791 χ^2/NDF: 24.9/26

All: 15.522+/-36.158 χ^2/NDF: 52.3/55

- sign -23.874+/-47.479 χ^2/NDF: 25.8/28

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 230.131+/-0.057 χ^2/NDF:833963.8/10

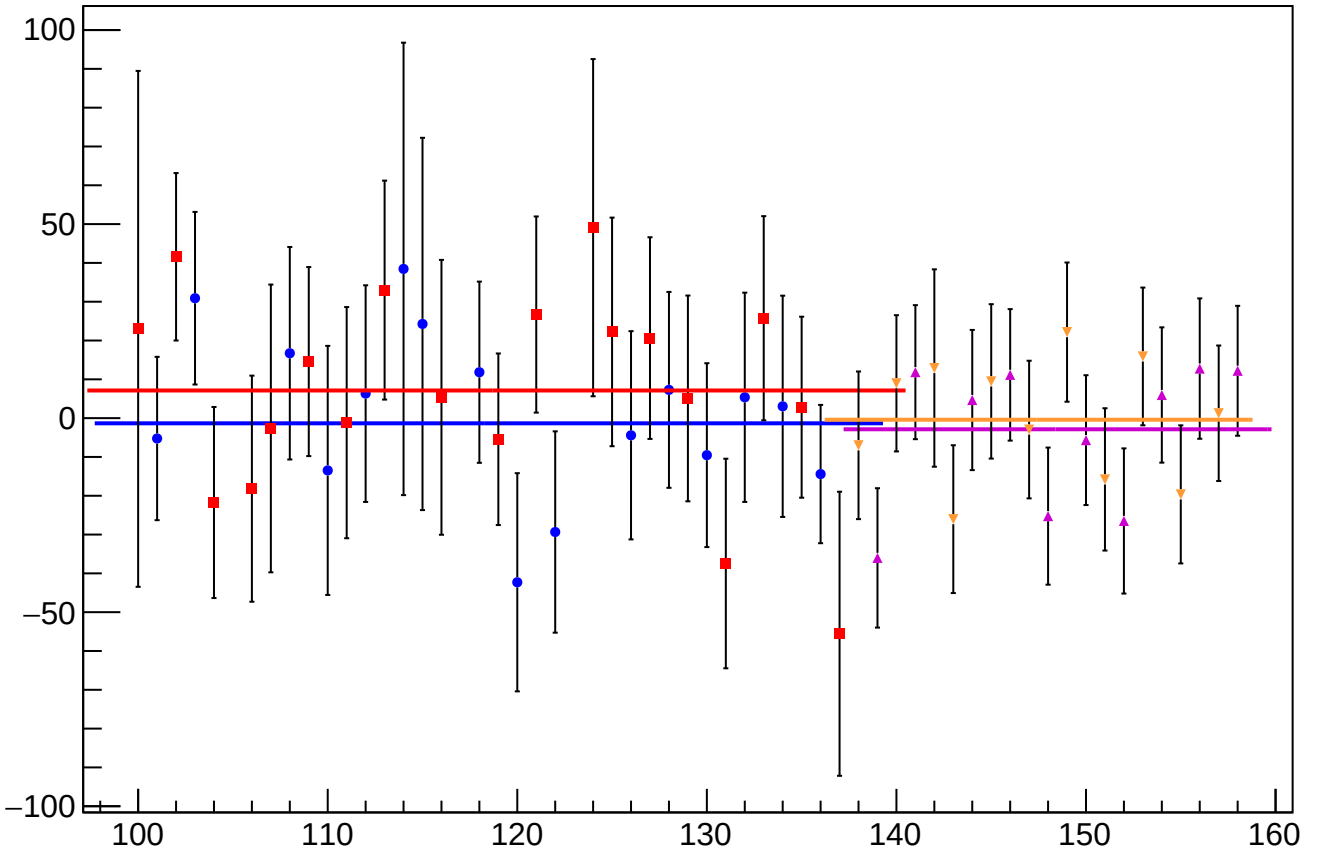
Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 179.444+/-0.046 χ^2/NDF:1350801.4/9

+ sign 211.781+/-0.039 χ^2/NDF: 2068996.2/26

All: 191.192+/-0.026 χ^2/NDF: 5558515.3/55

- sign 176.281+/-0.034 χ^2/NDF: 3019896.2/28



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: -0.408+/-5.615 χ^2/NDF:7.1/10

Right Out: 7.126+/-6.402 χ^2/NDF: 14.4/18

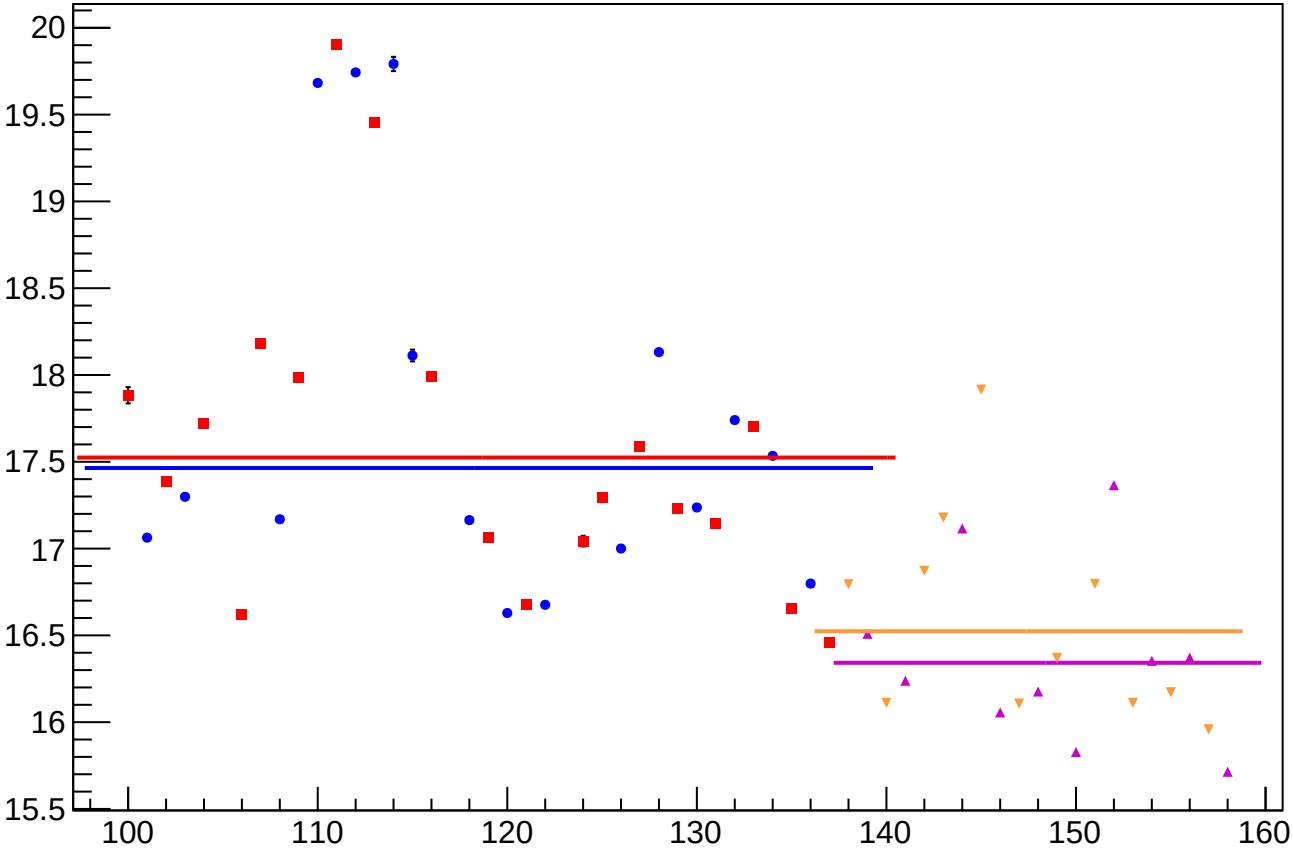
Left In: -2.870+/-5.542 χ^2/NDF:10.0/9

\+ sign -0.802+/-4.249 χ^2/NDF: 15.1/26

All: 0.320+/-2.983 χ^2/NDF: 41.1/55

\- sign 1.412+/-4.190 χ^2/NDF: 25.8/28

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.524+/-0.004 χ^2/NDF:19685.7/10

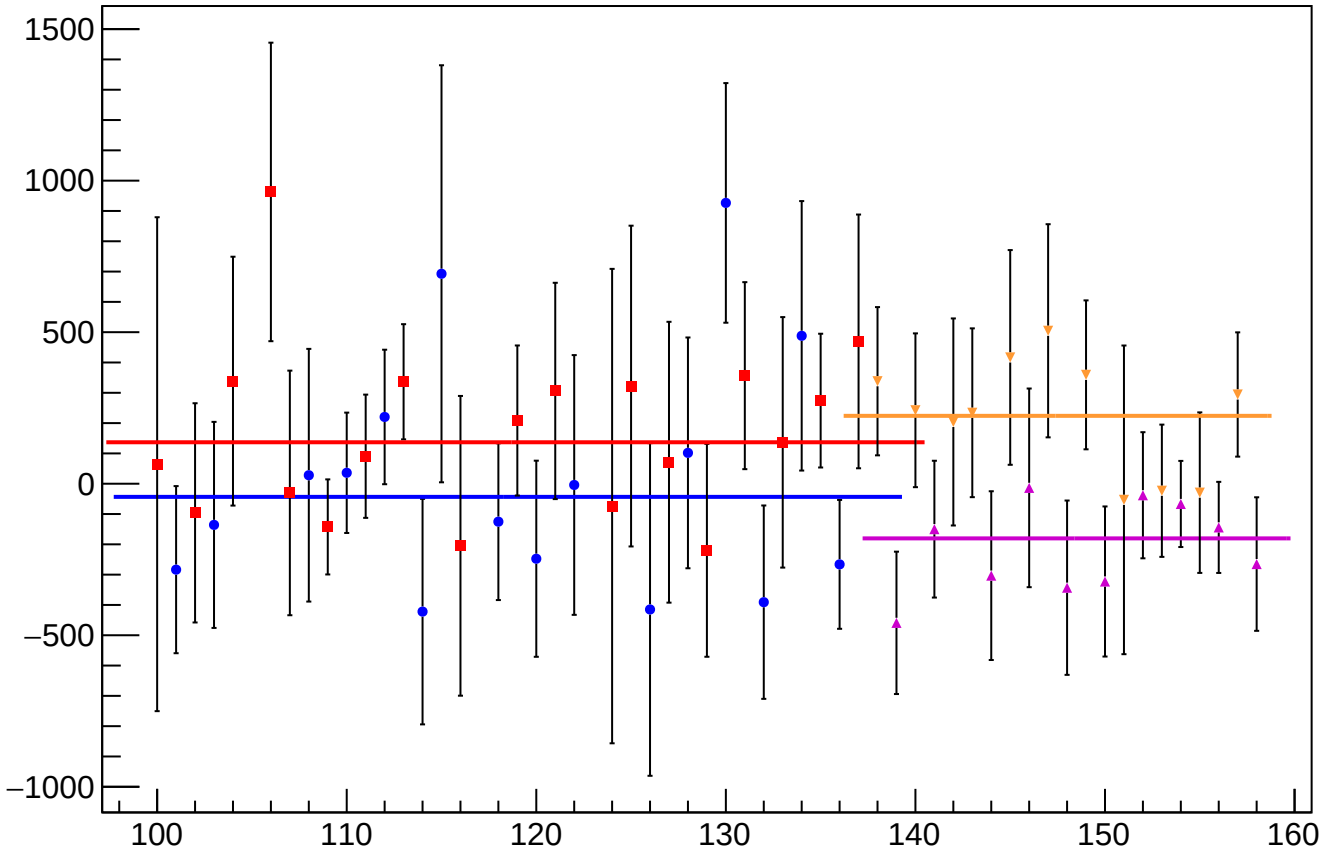
Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.342+/-0.004 χ^2/NDF:15358.8/9

+ sign 16.926+/-0.003 χ^2/NDF: 80312.4/26

All: 16.887+/-0.002 χ^2/NDF: 169725.7/55

- sign 16.848+/-0.003 χ^2/NDF: 89077.8/28



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 223.976+/-81.858 χ^2/NDF:4.1/10

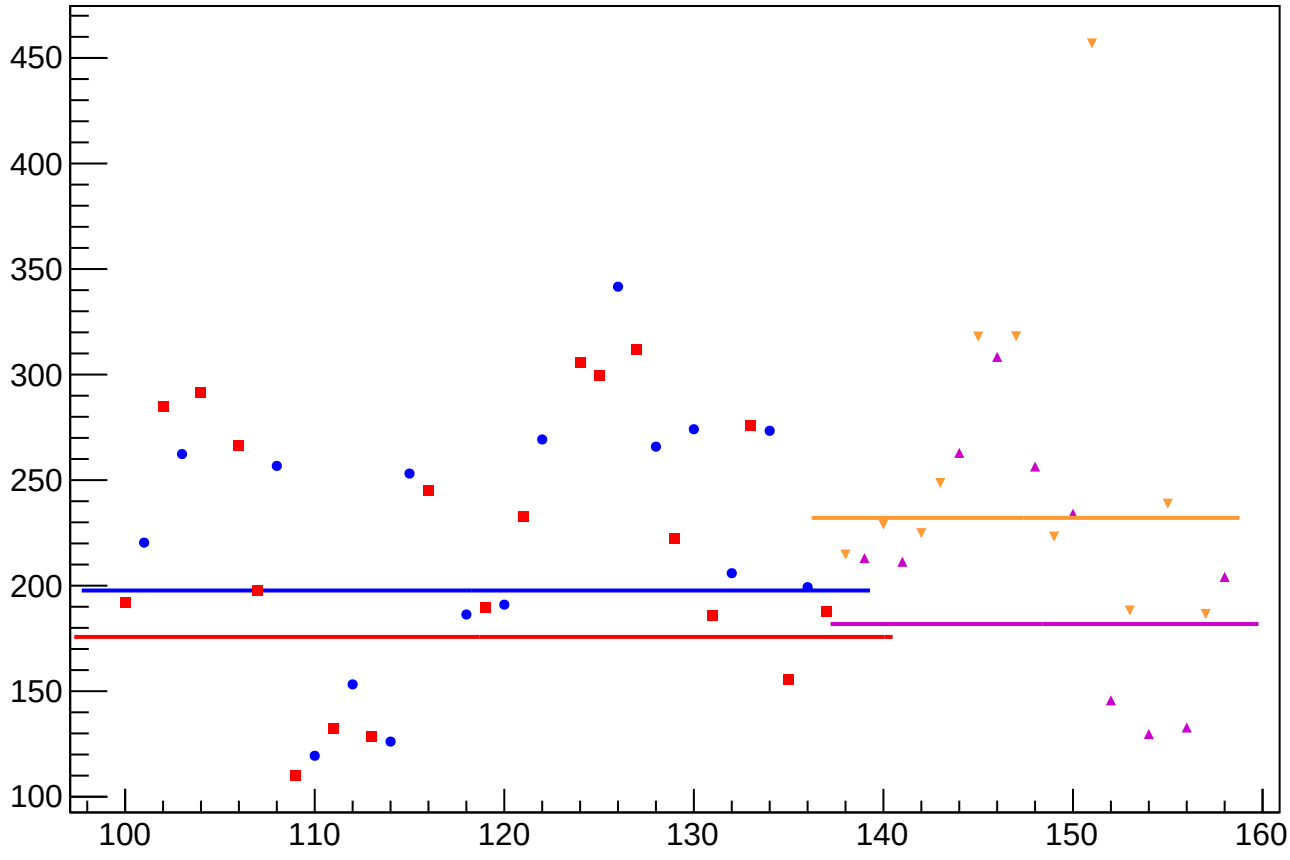
Right Out: 136.778+/-69.557 χ^2/NDF: 11.5/18

Left In: -180.387+/-66.540 χ^2/NDF:3.8/9

+ sign 83.134+/-56.311 χ^2/NDF: 25.2/26

All: 18.380+/-36.566 χ^2/NDF: 53.7/55

- sign -28.832+/-48.082 χ^2/NDF: 26.2/28



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 232.118+/-0.058 χ^2/NDF:828584.4/10

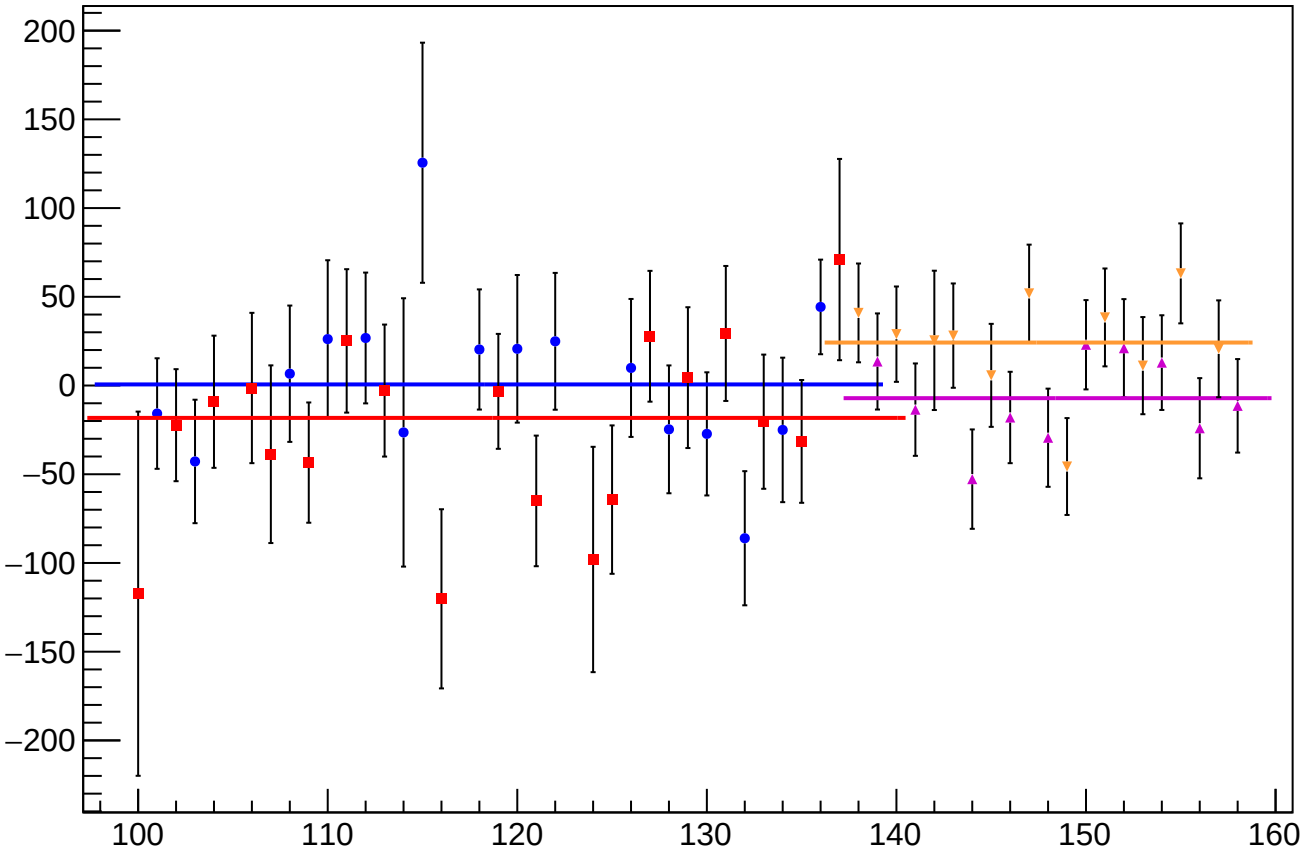
Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 181.829+/-0.047 χ^2/NDF:1323666.0/9

+ sign 213.991+/-0.040 χ^2/NDF: 2015089.3/26

All: 193.701+/-0.026 χ^2/NDF: 5386359.9/55

- sign 178.908+/-0.034 χ^2/NDF: 2922293.7/28



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 24.220+/-8.580 χ^2/NDF:10.8/10

Right Out: -18.248+/-9.208 χ^2/NDF: 18.0/18

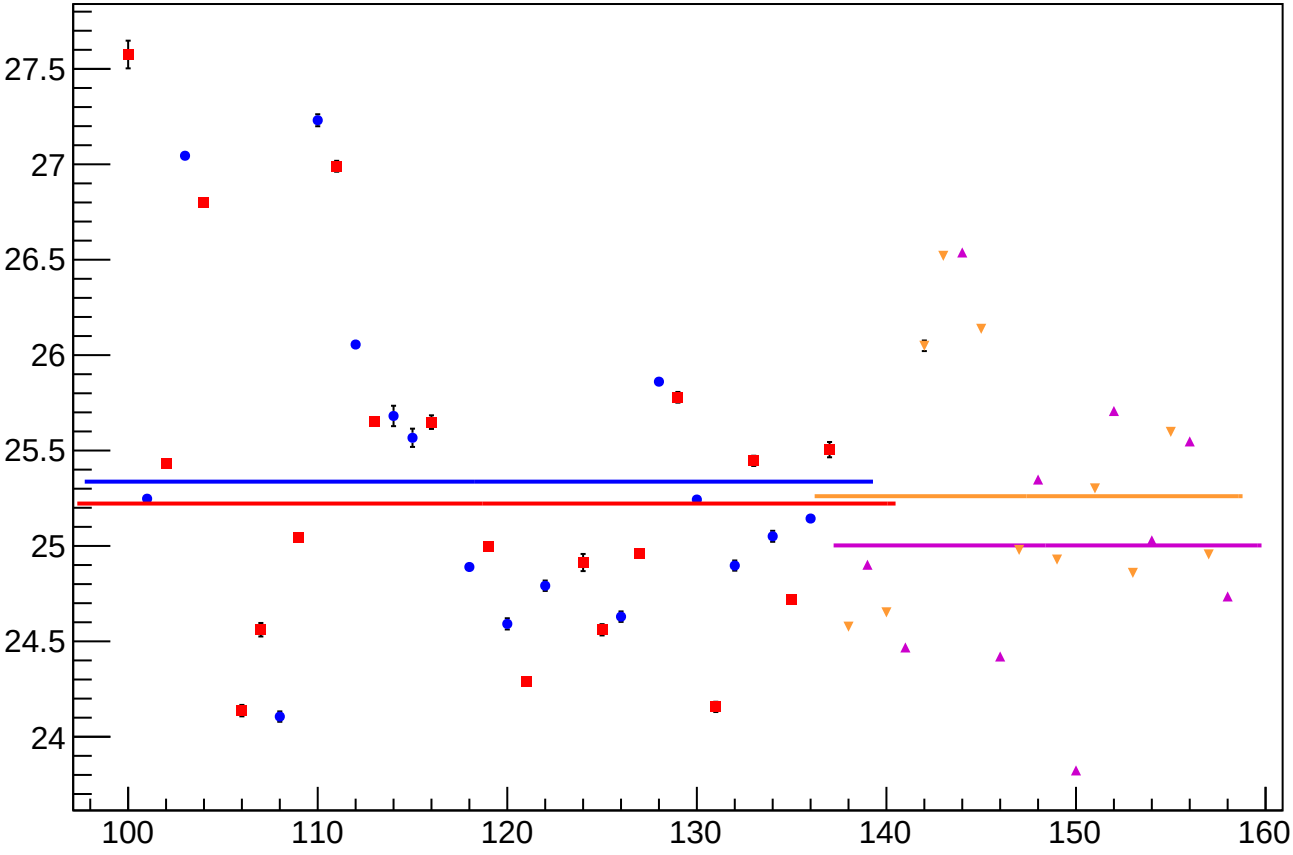
Left In: -7.128+/-8.478 χ^2/NDF:7.5/9

+ sign 13.520+/-6.344 χ^2/NDF: 31.0/26

All: 0.428+/-4.447 χ^2/NDF: 65.7/55

- sign -12.230+/-6.237 χ^2/NDF: 26.3/28

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.261+/-0.006 χ^2/NDF:10015.8/10

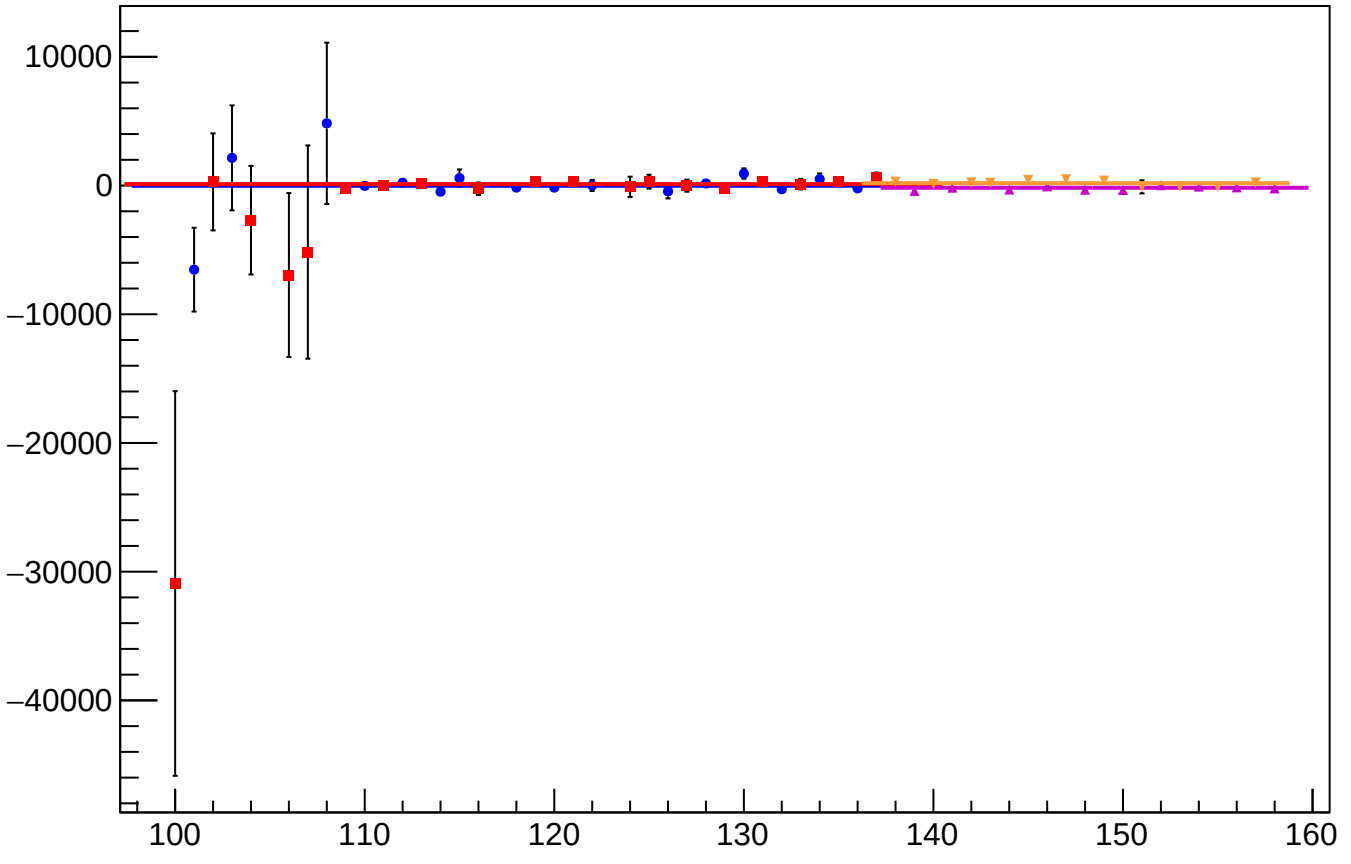
Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 25.003+/-0.006 χ^2/NDF:14855.9/9

+ sign 25.295+/-0.004 χ^2/NDF: 24402.6/26

All: 25.198+/-0.003 χ^2/NDF: 56028.3/55

- sign 25.103+/-0.004 χ^2/NDF: 30695.0/28



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 184.391+/-83.727 χ^2/NDF:4.9/10

Right Out: 108.825+/-78.099 χ^2/NDF: 14.0/18

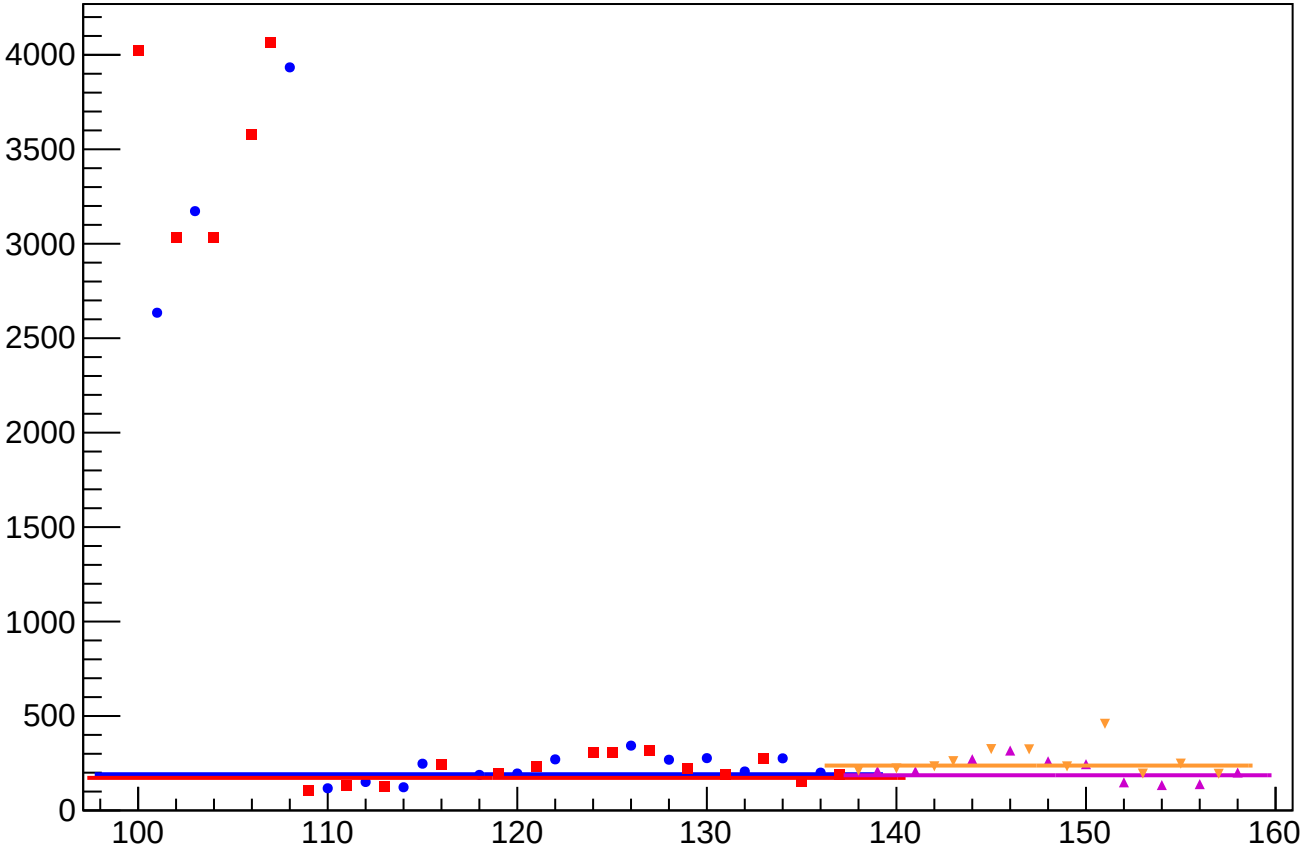
Left In: -172.098+/-67.960 χ^2/NDF:3.5/9

+ sign 85.626+/-59.545 χ^2/NDF: 26.0/26

All: 7.139+/-38.851 χ^2/NDF: 54.0/55

- sign -51.042+/-51.268 χ^2/NDF: 24.9/28

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 191.736+/-0.060 χ^2/NDF: 3821804.2/15

Left Out: 237.639+/-0.059 χ^2/NDF:808800.5/10

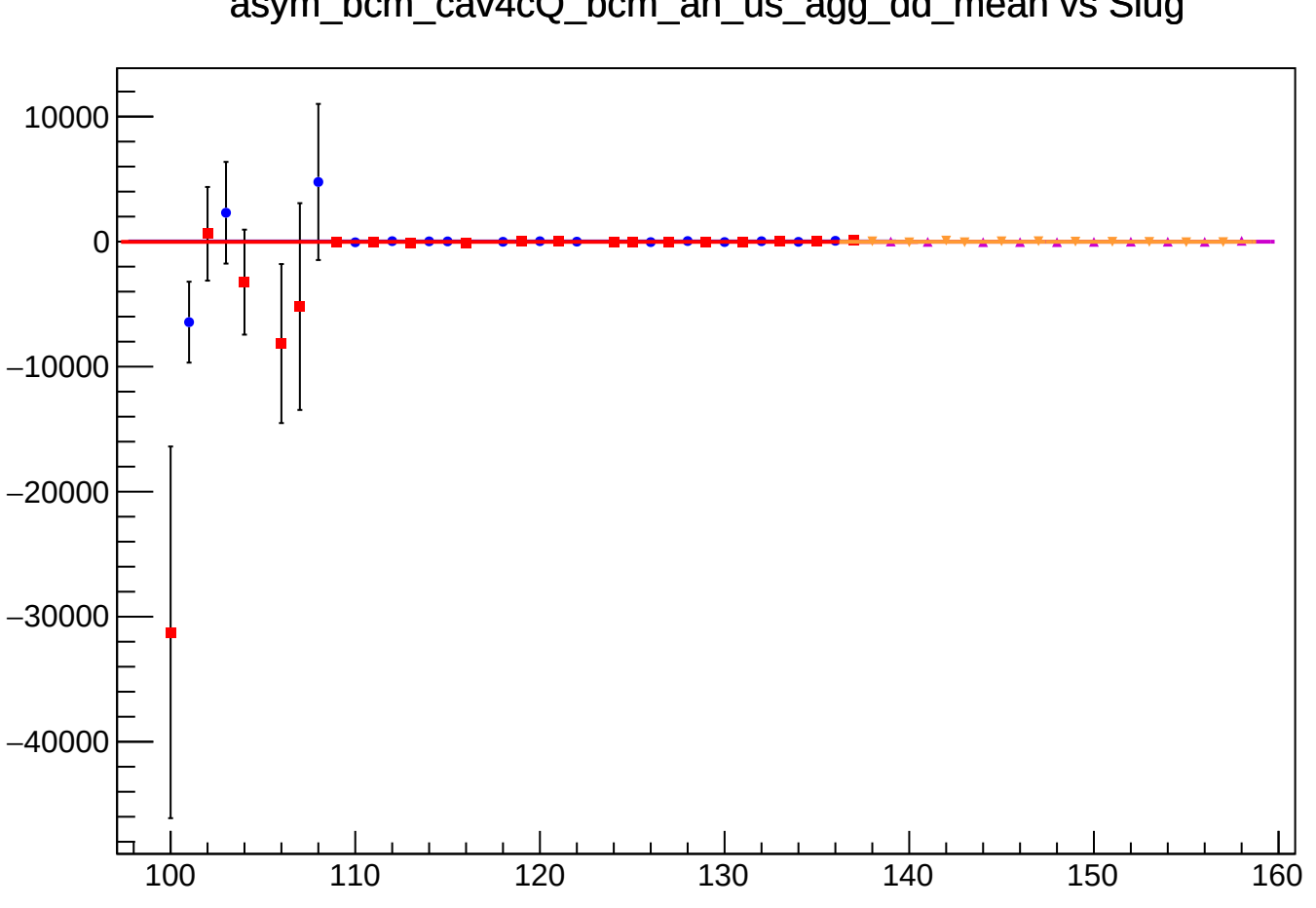
Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

Left In: 186.296+/-0.048 χ^2/NDF:1240757.5/9

+ sign 214.953+/-0.042 χ^2/NDF: 4927713.3/26

All: 195.072+/-0.027 χ^2/NDF: 10895527.2/55

- sign 180.335+/-0.036 χ^2/NDF: 5579596.7/28



Right In: 9.576+/-11.685 χ^2/NDF: 16.0/15

Left Out: -12.134+/-10.100 χ^2/NDF:14.2/10

Right Out: -18.105+/-11.805 χ^2/NDF: 24.8/18

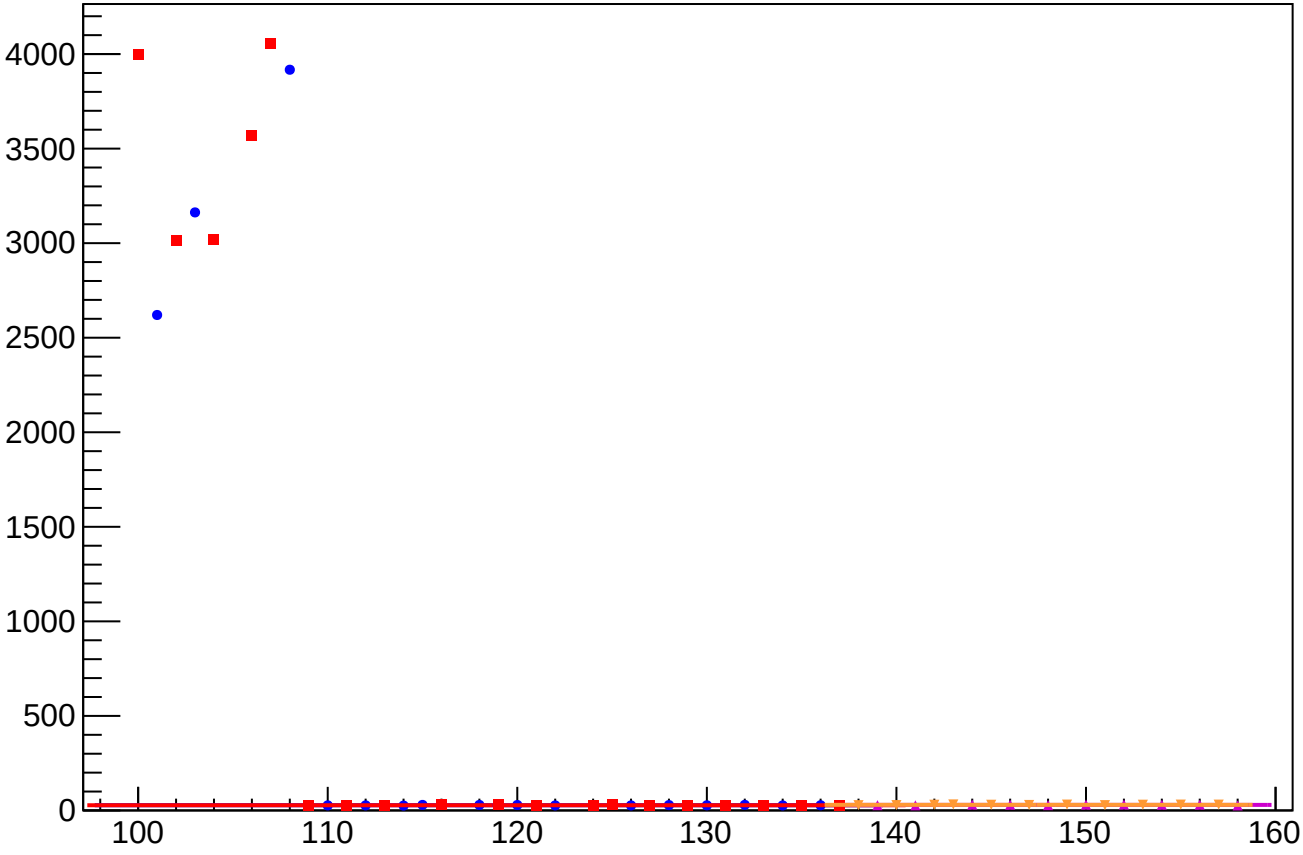
Left In: -6.714+/-9.996 χ^2/NDF:9.8/9

+ sign -2.850+/-7.641 χ^2/NDF: 32.1/26

All: -7.167+/-5.399 χ^2/NDF: 67.9/55

- sign -11.471+/-7.628 χ^2/NDF: 35.1/28

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.642+/-0.008 χ^2/NDF: 3265498.5/15

Left Out: 29.674+/-0.007 χ^2/NDF:32833.0/10

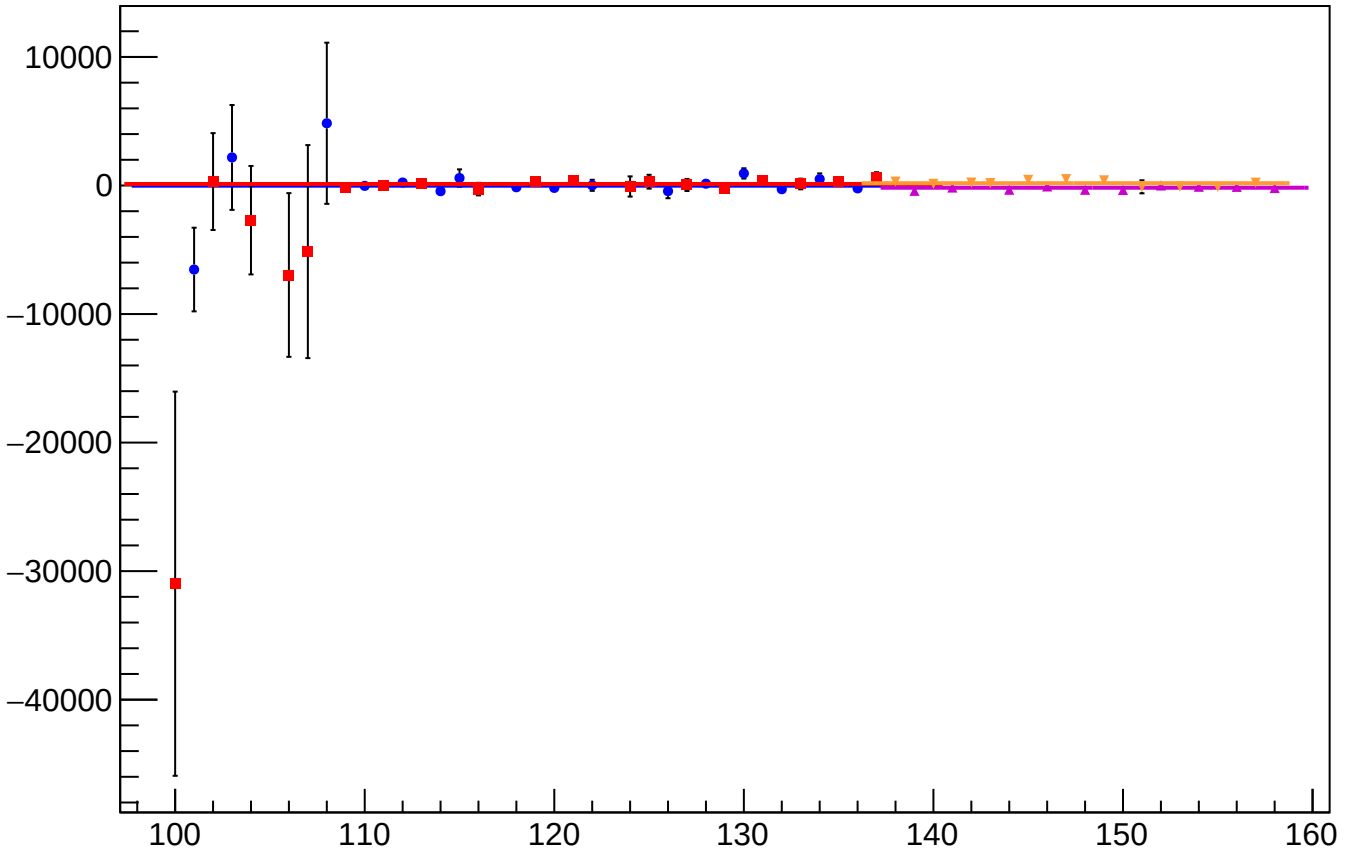
Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 29.392+/-0.007 χ^2/NDF:65275.3/9

+ sign 28.805+/-0.005 χ^2/NDF: 3332974.9/26

All: 28.711+/-0.004 χ^2/NDF: 6982920.8/55

- sign 28.616+/-0.005 χ^2/NDF: 3649334.5/28



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 180.012+/-83.539 χ^2/NDF:5.3/10

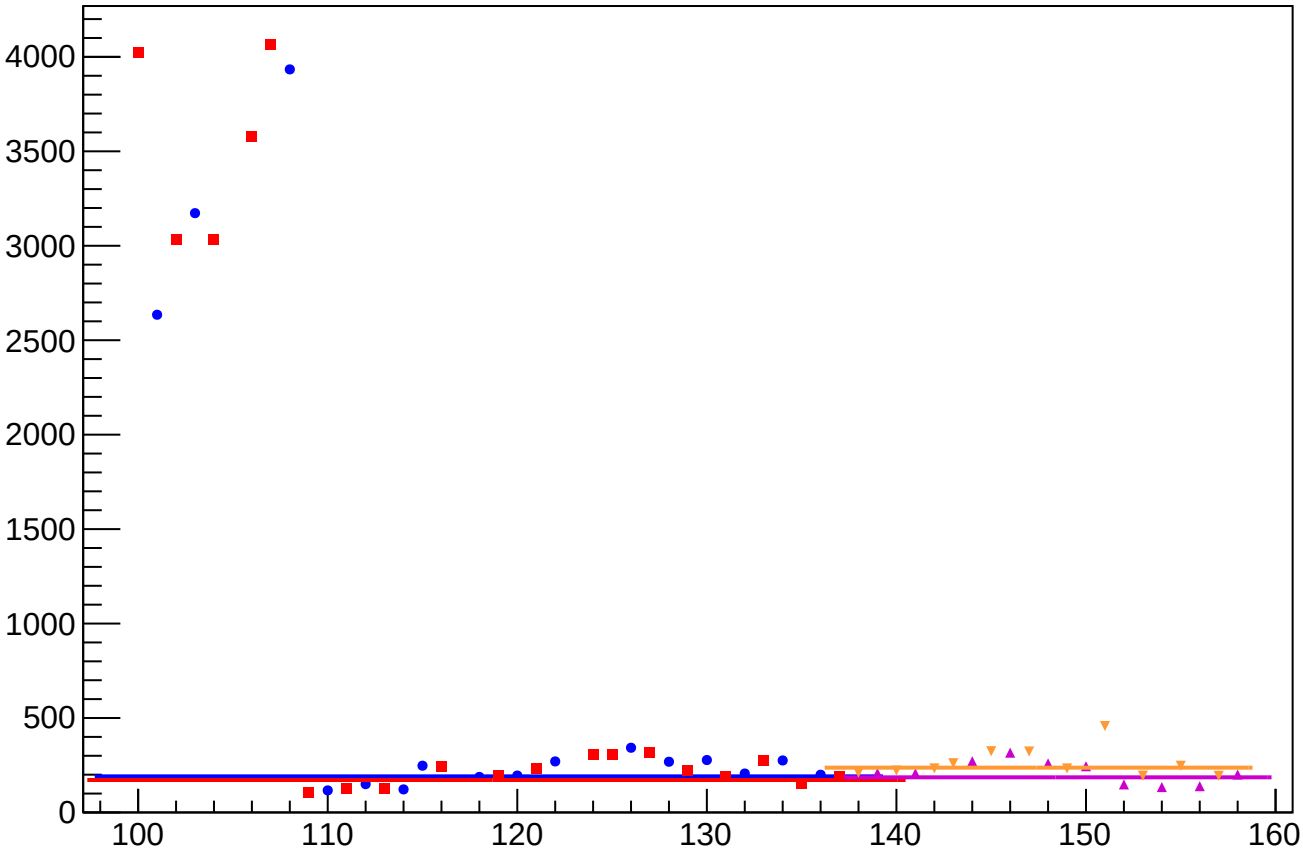
Right Out: 118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: -172.840+/-67.835 χ^2/NDF:3.4/9

+ sign 84.478+/-59.392 χ^2/NDF: 26.2/26

All: 8.805+/-38.756 χ^2/NDF: 54.9/55

- sign -47.316+/-51.147 χ^2/NDF: 25.8/28



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 237.105+/-0.059 χ^2/NDF:808996.1/10

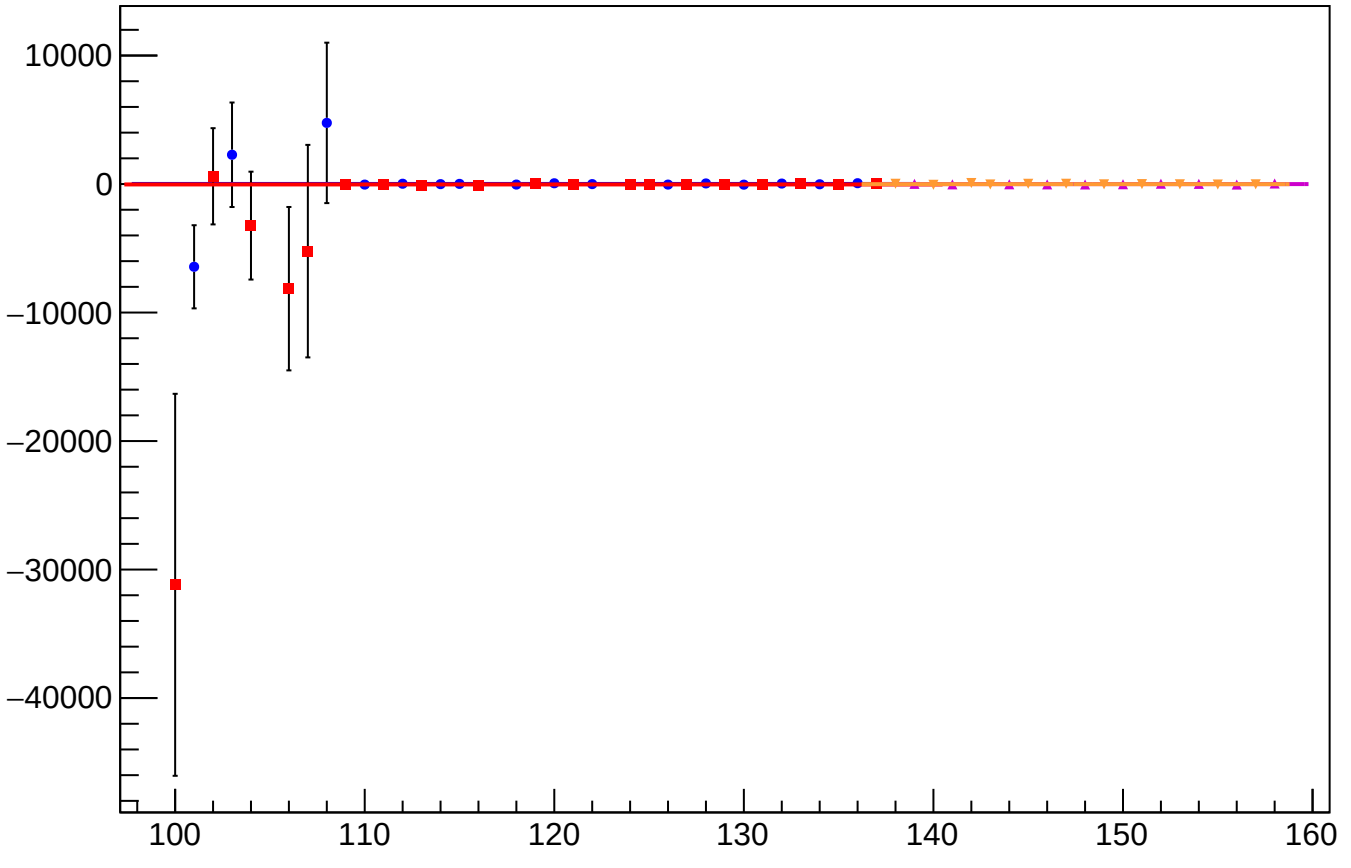
Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

Left In: 185.958+/-0.048 χ^2/NDF:1240257.4/9

+ sign 214.338+/-0.042 χ^2/NDF: 4943311.8/26

All: 194.544+/-0.027 χ^2/NDF: 10922609.9/55

- sign 179.864+/-0.036 χ^2/NDF: 5592386.5/28



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -9.685+/-10.178 χ^2/NDF:10.2/10

Right Out: -30.962+/-11.902 χ^2/NDF: 19.9/18

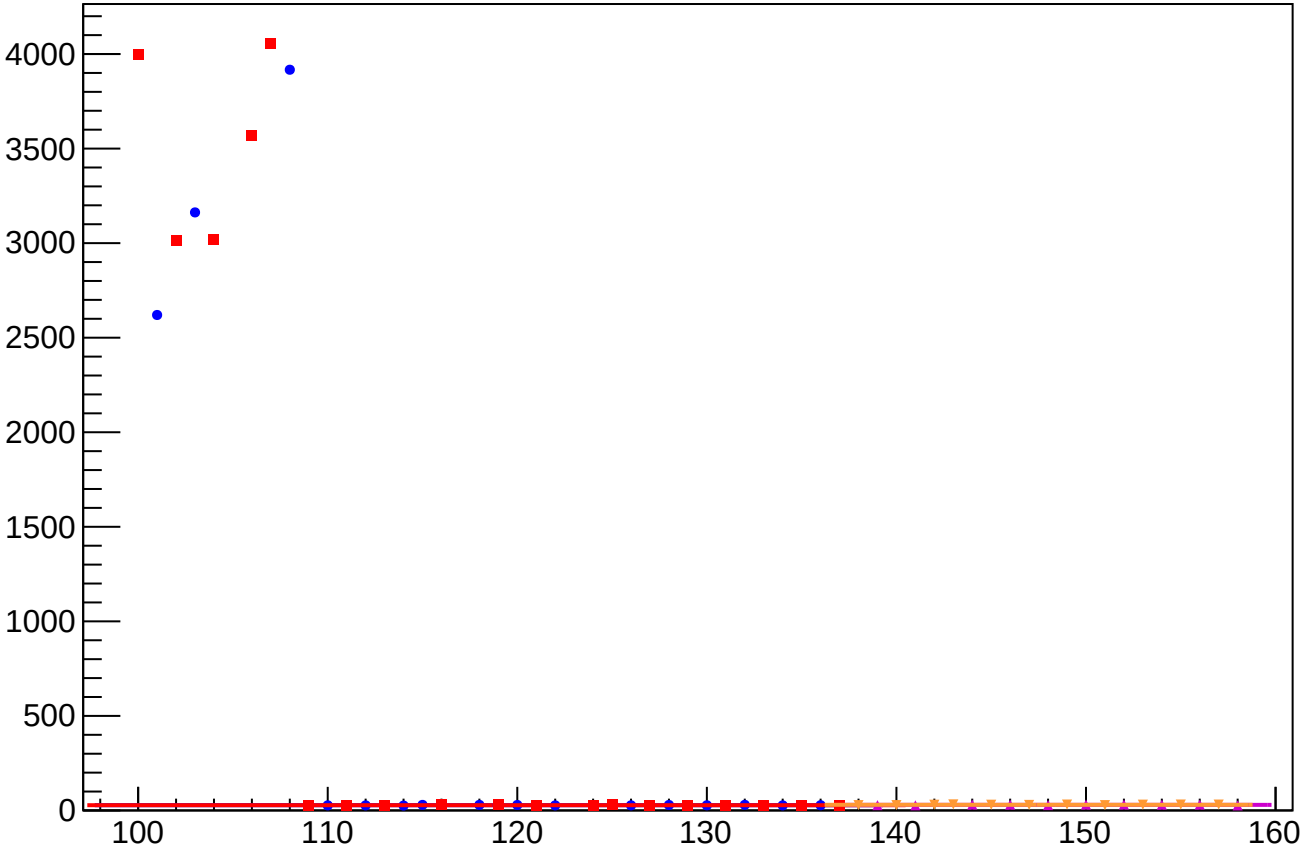
Left In: -3.734+/-10.054 χ^2/NDF:7.1/9

+ sign -2.760+/-7.697 χ^2/NDF: 29.6/26

All: -8.930+/-5.437 χ^2/NDF: 60.9/55

- sign -15.073+/-7.680 χ^2/NDF: 30.1/28

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 29.899+/-0.007 χ^2/NDF:35843.3/10

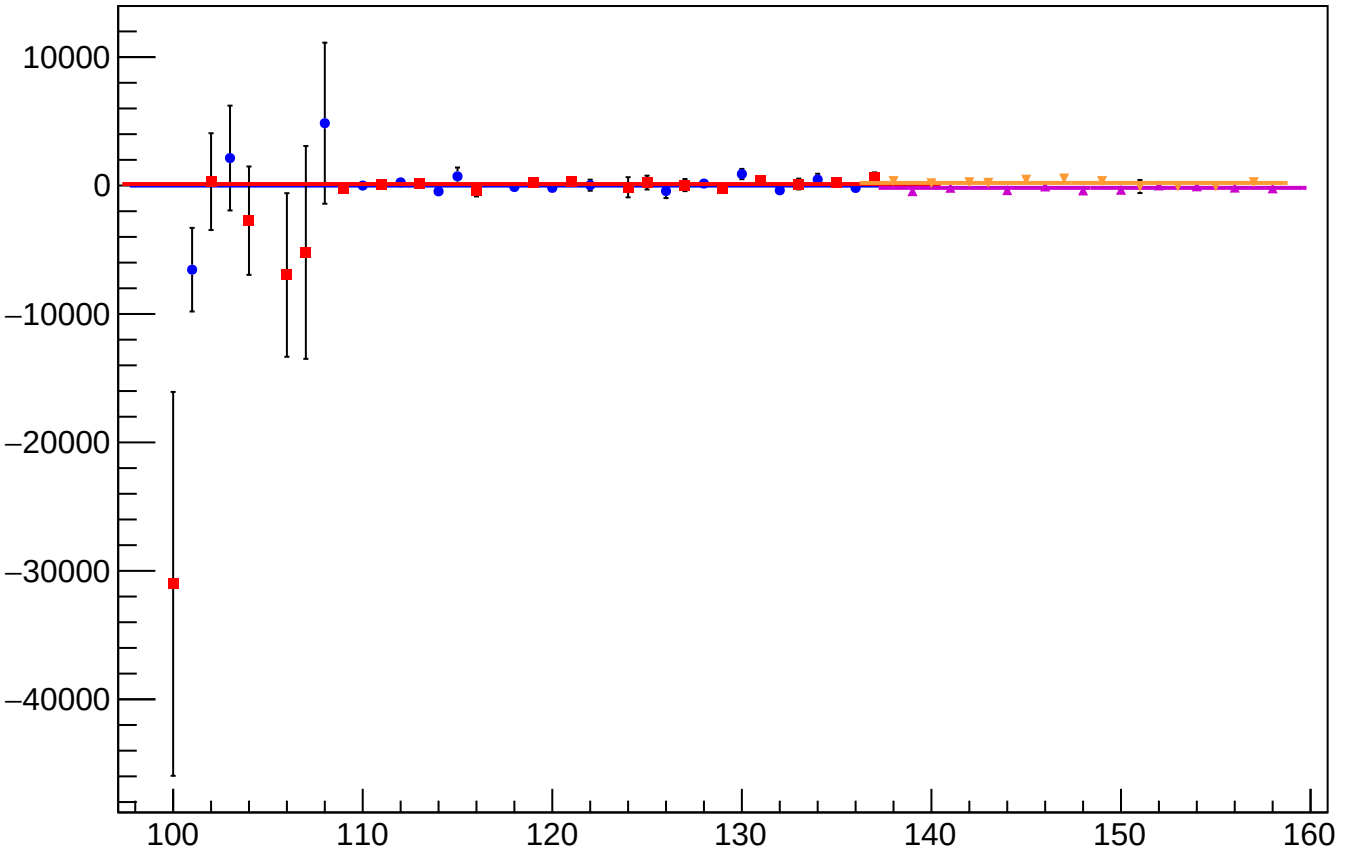
Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 29.565+/-0.007 χ^2/NDF:67463.7/9

+ sign 29.011+/-0.005 χ^2/NDF: 3337296.9/26

All: 28.911+/-0.004 χ^2/NDF: 6991166.5/55

- sign 28.811+/-0.005 χ^2/NDF: 3653191.7/28



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 202.966+/-84.406 χ^2/NDF:4.8/10

Right Out: 115.753+/-78.952 χ^2/NDF: 13.8/18

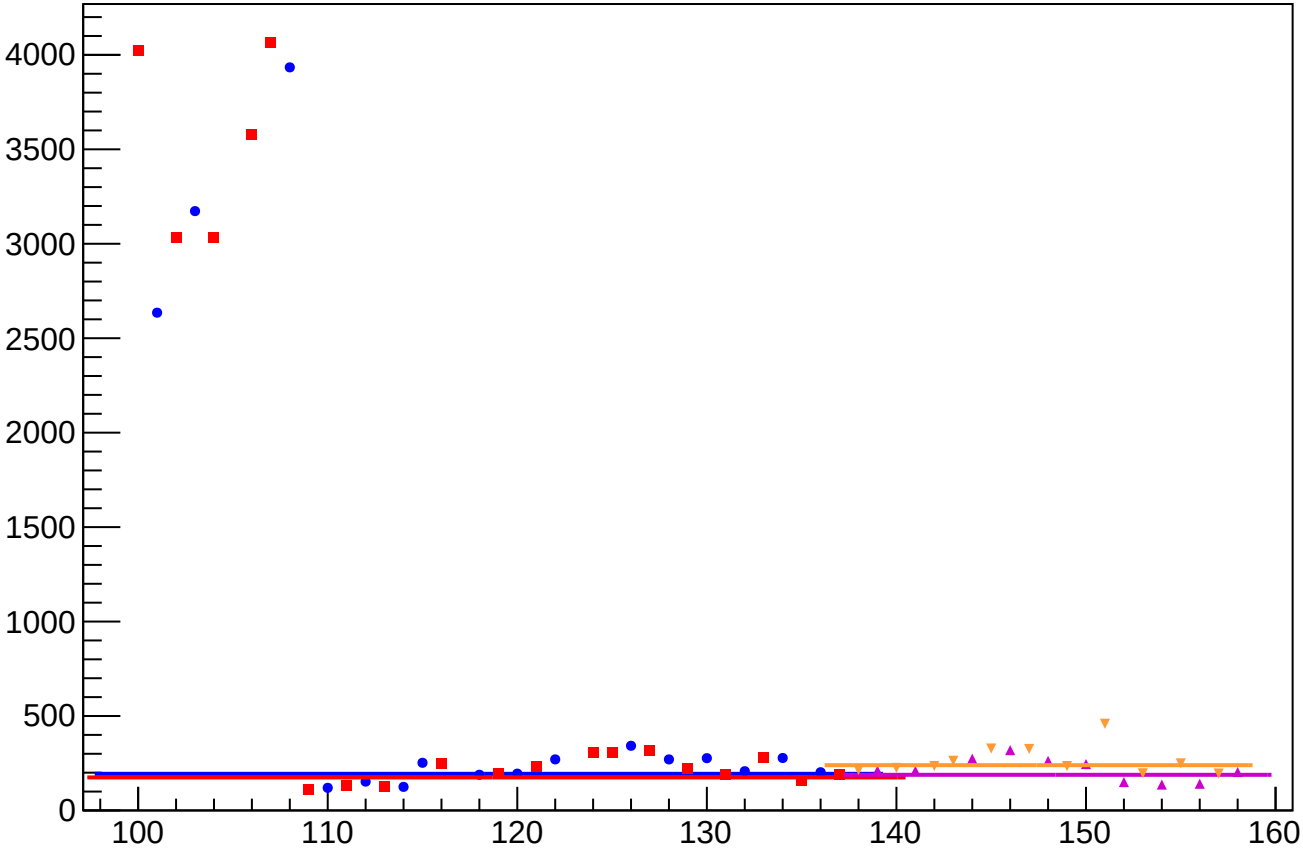
Left In: -180.098+/-68.739 χ^2/NDF:4.0/9

+ sign 101.420+/-60.070 χ^2/NDF: 25.9/26

All: 13.186+/-39.248 χ^2/NDF: 55.5/55

- sign -52.535+/-51.843 χ^2/NDF: 25.8/28

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 193.946+/-0.060 χ^2/NDF: 3784467.5/15

Left Out: 239.663+/-0.060 χ^2/NDF:801319.7/10

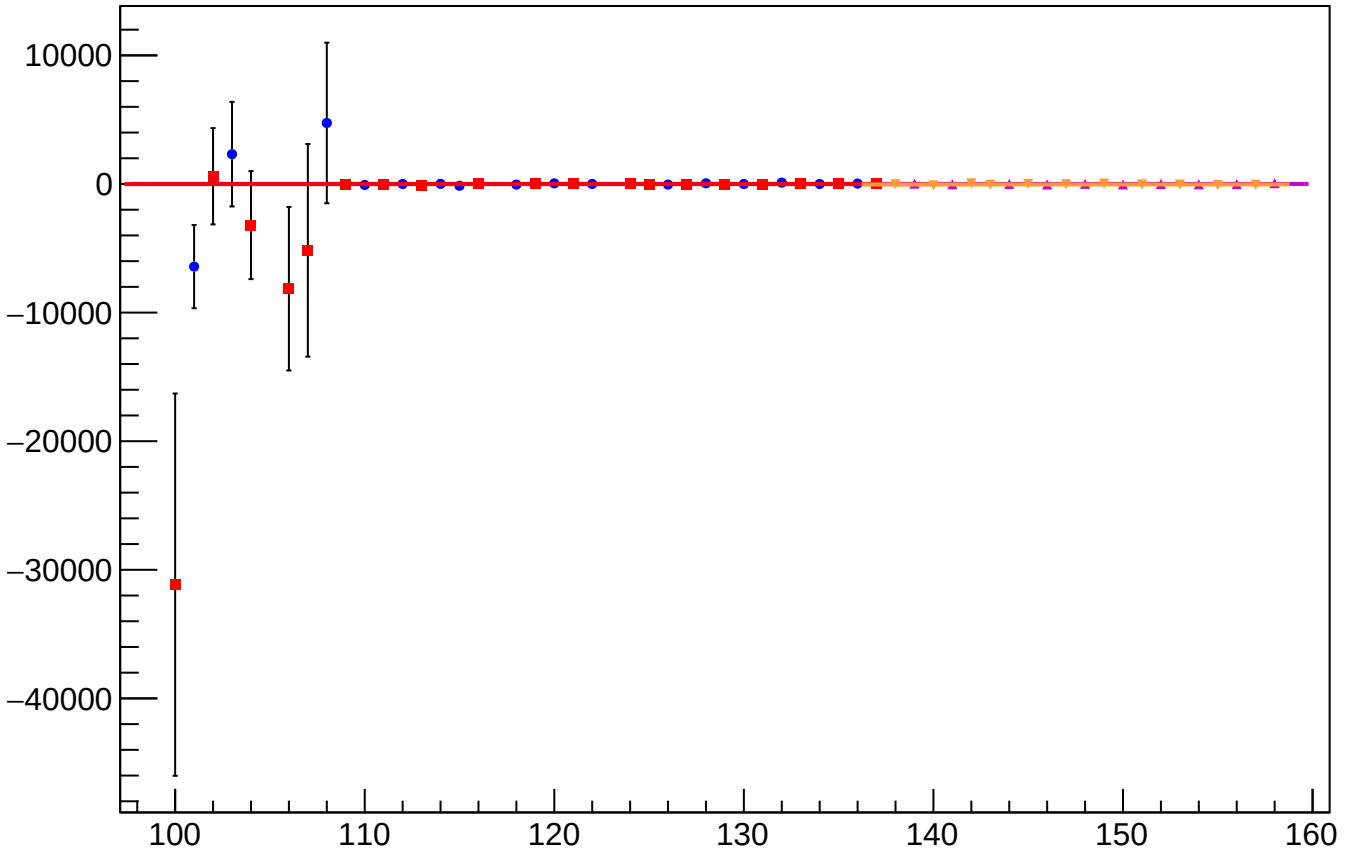
Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

Left In: 188.679+/-0.049 χ^2/NDF:1215485.8/9

+ sign 217.101+/-0.042 χ^2/NDF: 4875340.2/26

All: 197.377+/-0.028 χ^2/NDF: 10761645.0/55

- sign 182.686+/-0.037 χ^2/NDF: 5510068.6/28



Right In: 5.660+/-14.306 χ^2/NDF: 17.5/15

Left Out: -36.772+/-11.940 χ^2/NDF:12.9/10

Right Out: -10.003+/-14.433 χ^2/NDF: 23.4/18

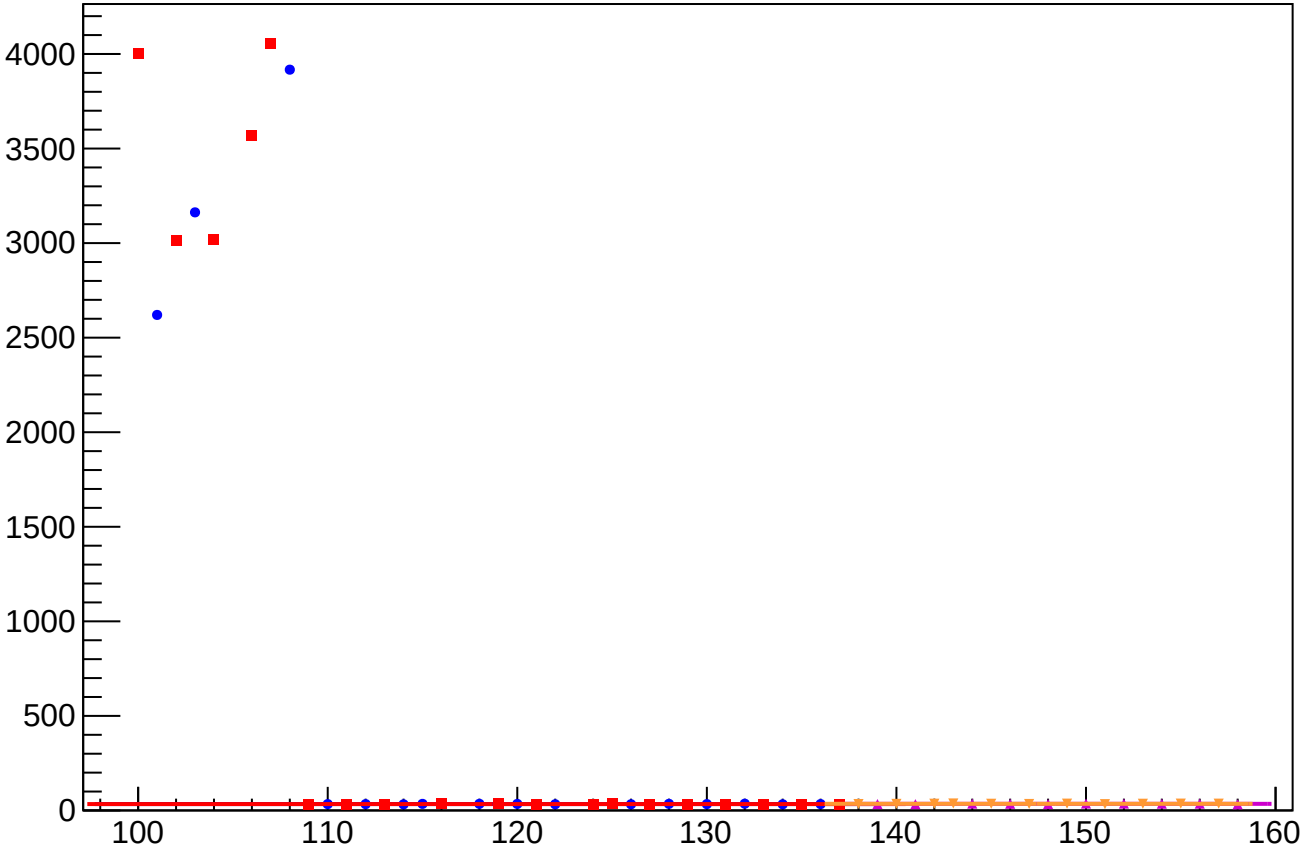
Left In: 2.780+/-11.868 χ^2/NDF:6.3/9

+ sign -19.349+/-9.167 χ^2/NDF: 35.6/26

All: -10.863+/-6.482 χ^2/NDF: 67.5/55

- sign -2.377+/-9.167 χ^2/NDF: 30.2/28

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.899+/-0.010 χ^2/NDF: 3244382.4/15

Left Out: 35.132+/-0.008 χ^2/NDF:15801.8/10

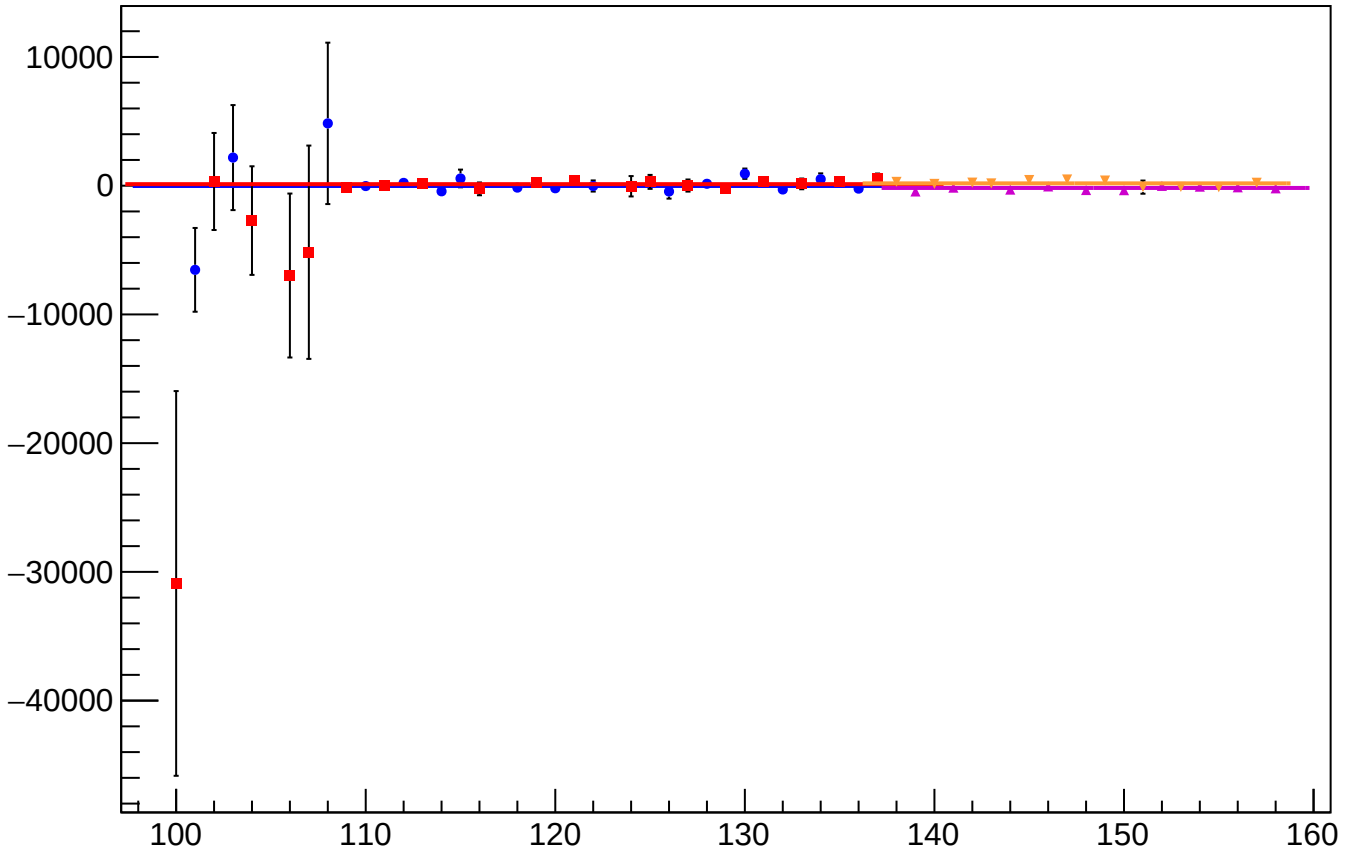
Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 34.978+/-0.008 χ^2/NDF:25555.1/9

+ sign 34.626+/-0.006 χ^2/NDF: 3268937.0/26

All: 34.549+/-0.005 χ^2/NDF: 6830207.4/55

- sign 34.473+/-0.006 χ^2/NDF: 3560990.9/28



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 180.865+/-84.077 χ^2/NDF:5.3/10

Right Out: 119.922+/-78.455 χ^2/NDF: 13.3/18

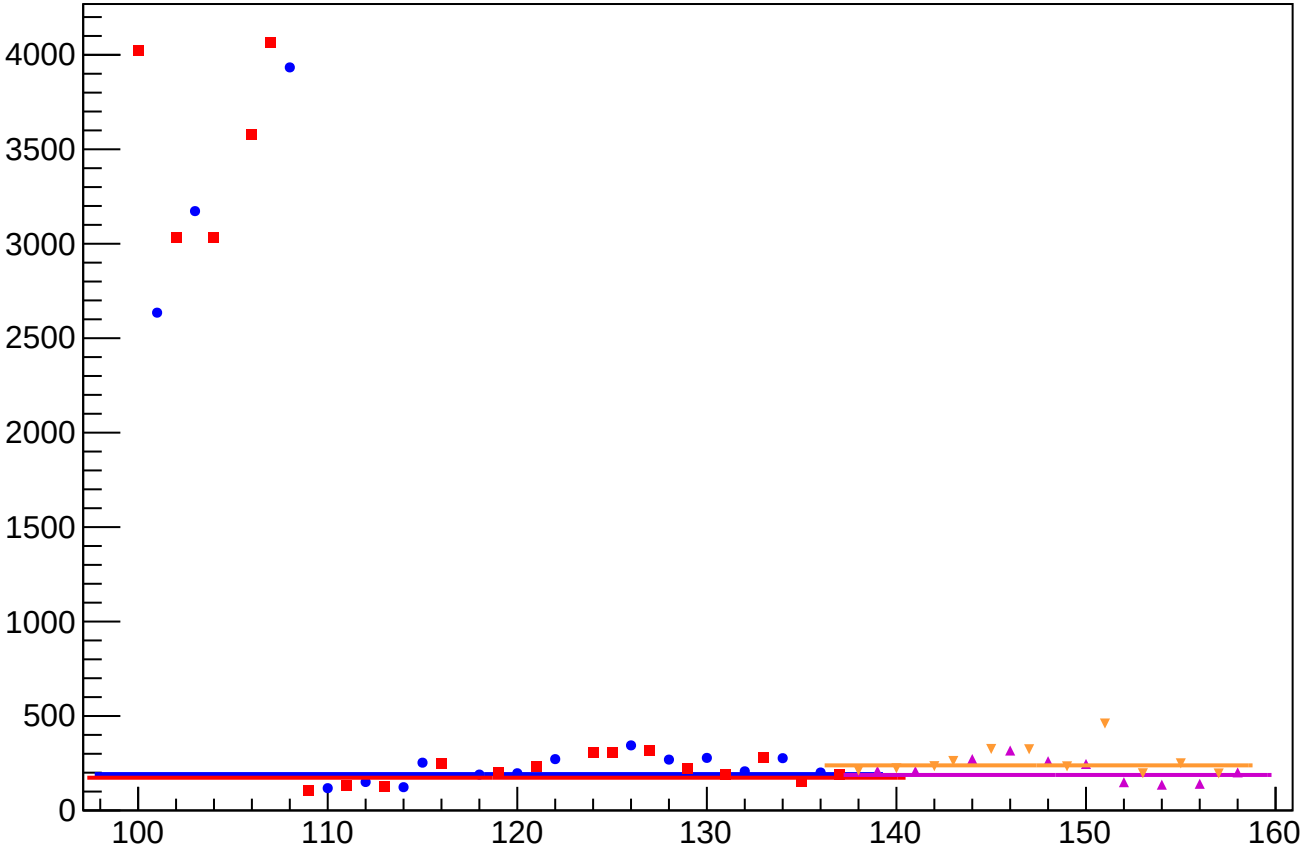
Left In: -175.294+/-68.458 χ^2/NDF:3.6/9

+ sign 81.839+/-59.797 χ^2/NDF: 26.3/26

All: 7.576+/-39.058 χ^2/NDF: 53.9/55

- sign -47.683+/-51.582 χ^2/NDF: 24.9/28

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 238.716+/-0.059 χ^2/NDF:800287.4/10

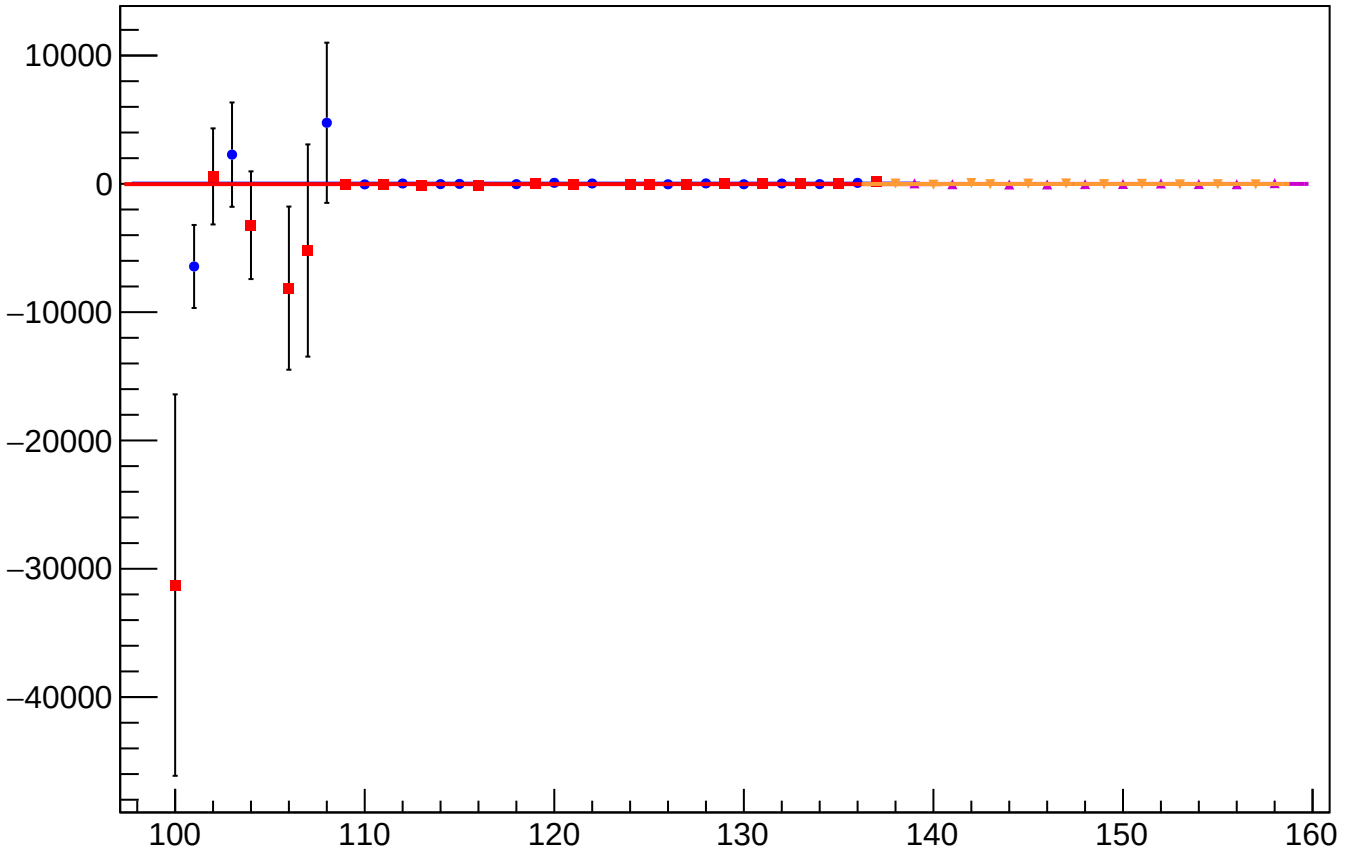
Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 187.919+/-0.048 χ^2/NDF:1203681.7/9

+ sign 215.907+/-0.042 χ^2/NDF: 4920937.7/26

All: 196.224+/-0.028 χ^2/NDF: 10849689.6/55

- sign 181.578+/-0.036 χ^2/NDF: 5550803.8/28



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -13.159+/-10.907 χ^2/NDF:9.9/10

Right Out: -23.230+/-13.181 χ^2/NDF: 28.7/18

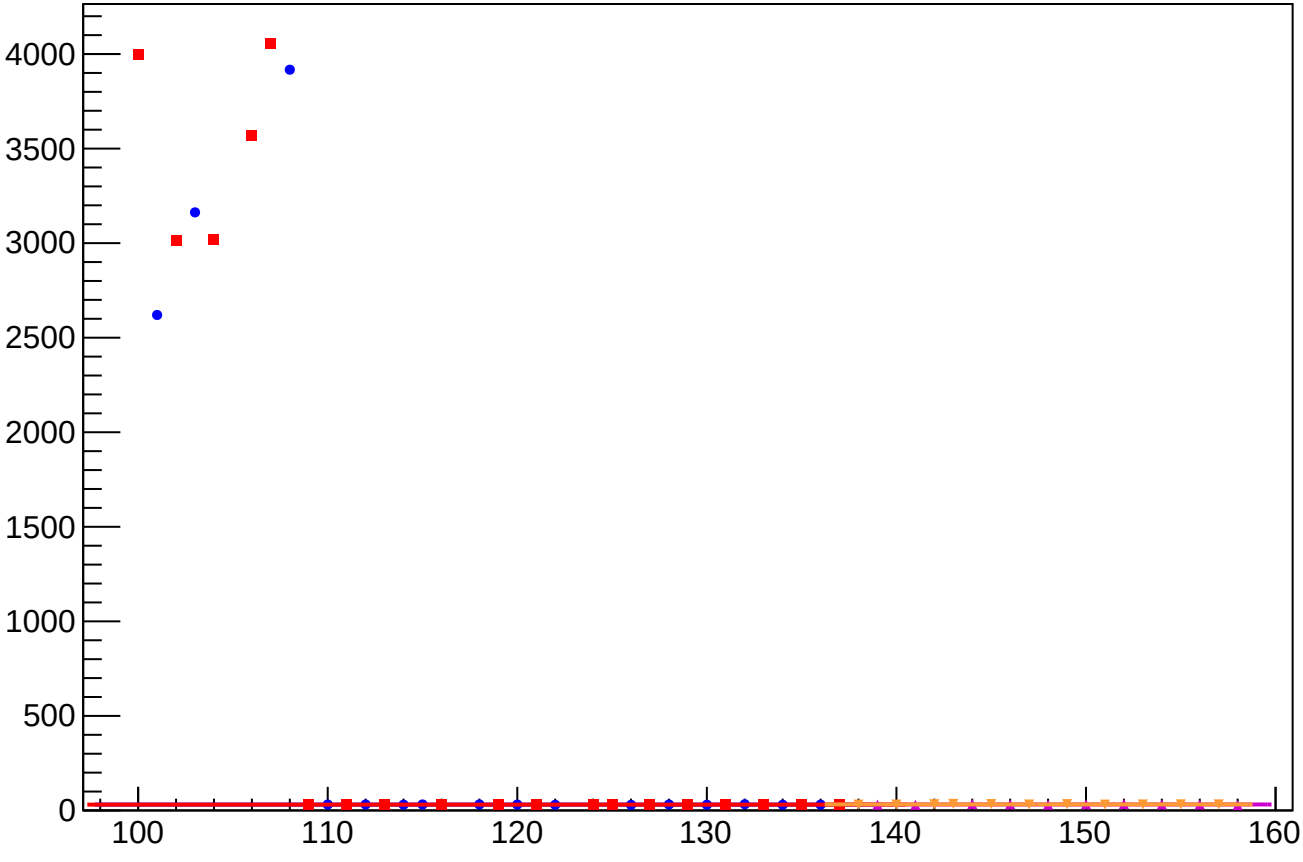
Left In: -4.627+/-10.780 χ^2/NDF:10.6/9

\+ sign -2.120+/-8.372 χ^2/NDF: 27.9/26

All: -7.118+/-5.910 χ^2/NDF: 69.1/55

\- sign -12.083+/-8.345 χ^2/NDF: 40.5/28

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 32.061+/-0.008 χ^2/NDF:25359.0/10

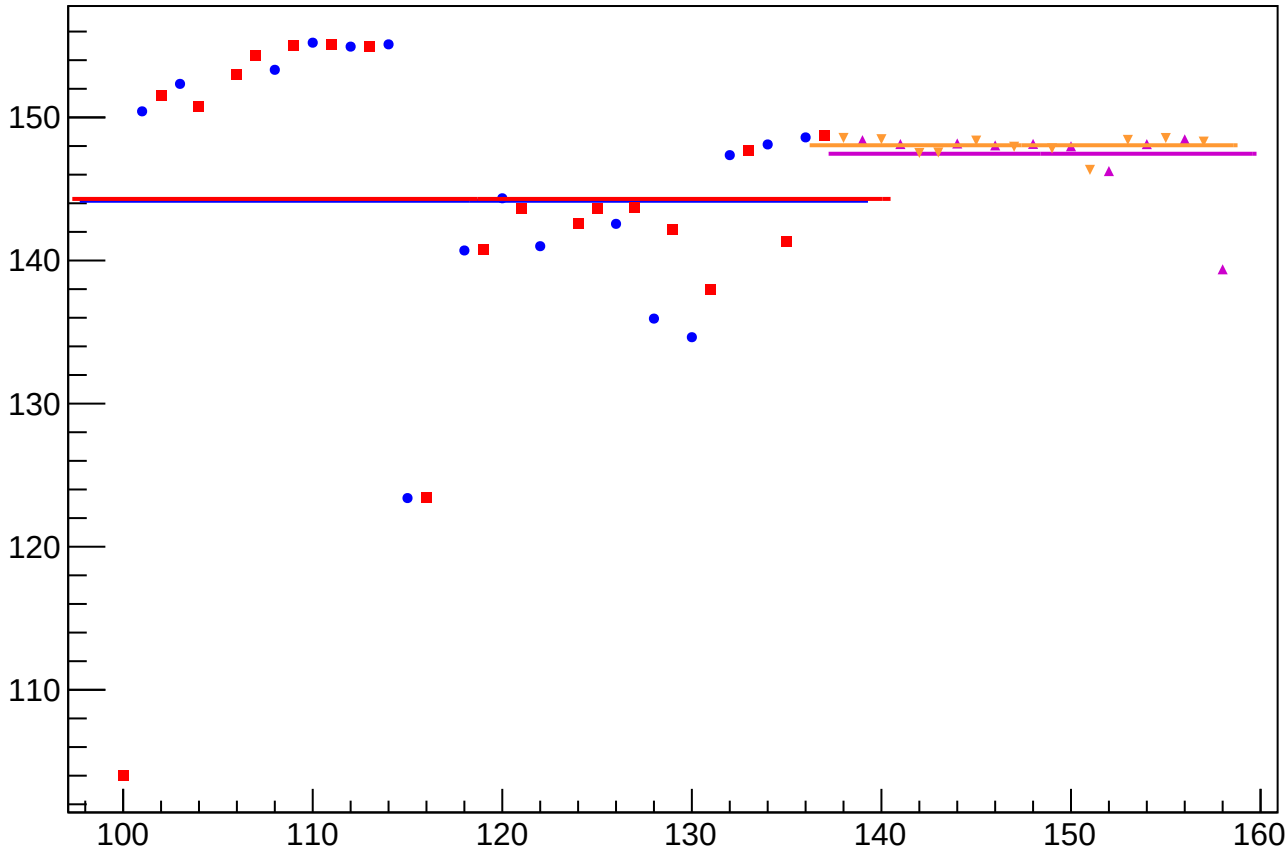
Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 31.715+/-0.008 χ^2/NDF:53137.5/9

+ sign 31.596+/-0.006 χ^2/NDF: 3286833.9/26

All: 31.467+/-0.004 χ^2/NDF: 6883218.0/55

- sign 31.339+/-0.006 χ^2/NDF: 3595437.6/28



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 148.055+/-0.000 χ^2/NDF:20442157.7/10

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

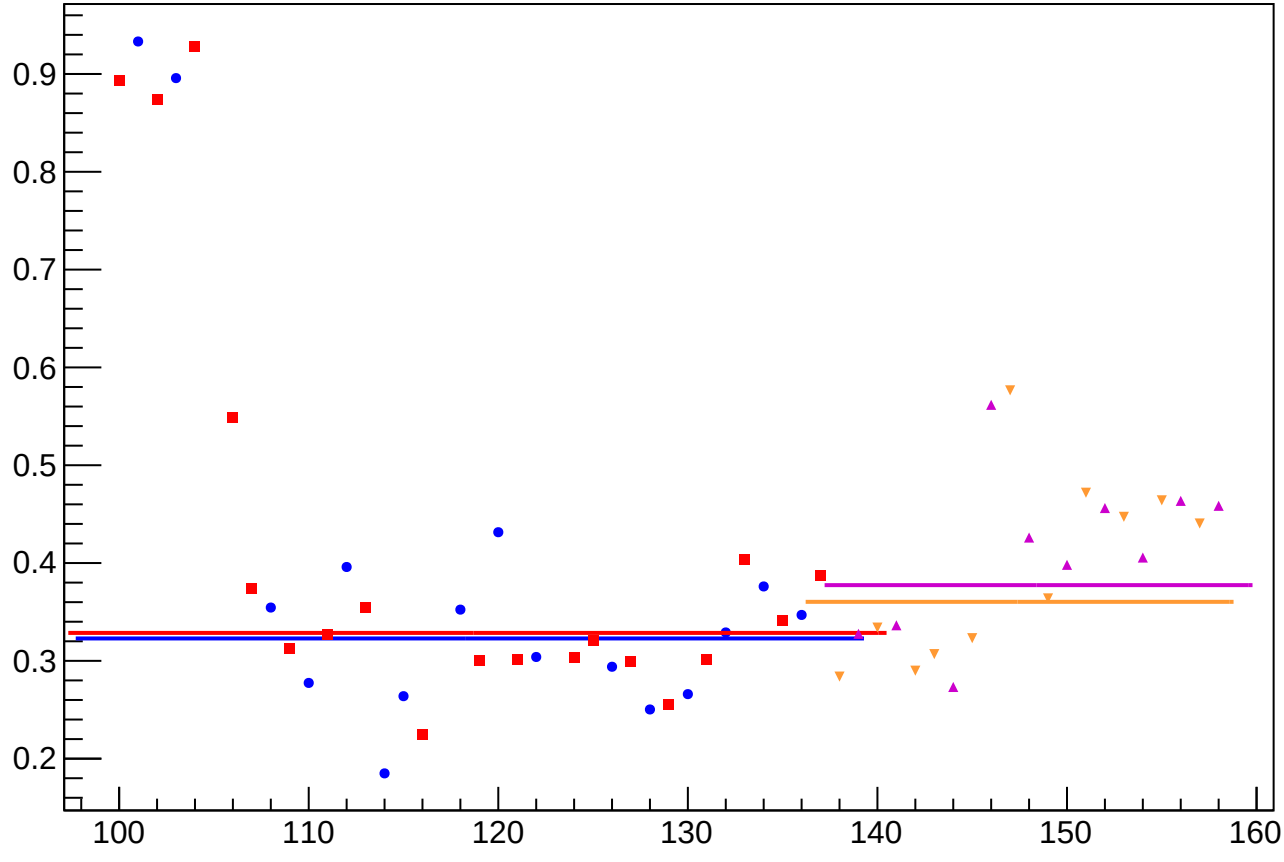
Left In: 147.461+/-0.000 χ^2/NDF:279448320.0/9

+ sign 146.176+/-0.000 χ^2/NDF: 4187828931.5/26

All: 146.028+/-0.000 χ^2/NDF: 9016590272.1

- sign 145.873+/-0.000 χ^2/NDF: 4823475513.5/28

yield_bcm_target_rms vs Slug



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.360+/-0.000 χ^2/NDF:730292.6/10

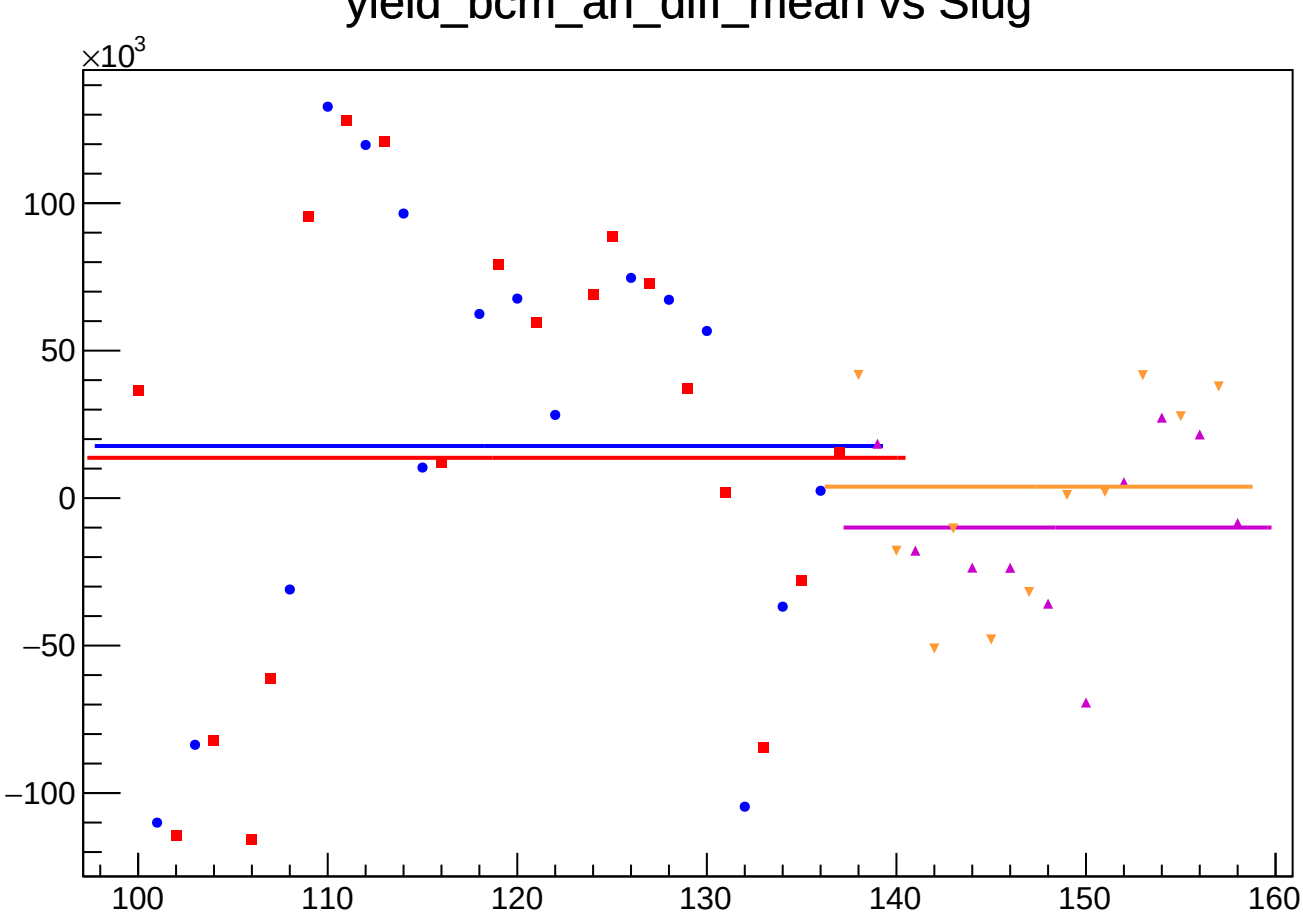
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.377+/-0.000 χ^2/NDF:681670.5/9

+ sign 0.342+/-0.000 χ^2/NDF: 2208865.2/26

All: 0.347+/-0.000 χ^2/NDF: 4341536.5/55

- sign 0.353+/-0.000 χ^2/NDF: 2119674.3/28



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: 3879.491+/-1.699 χ^2/NDF:353490446.3/10

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

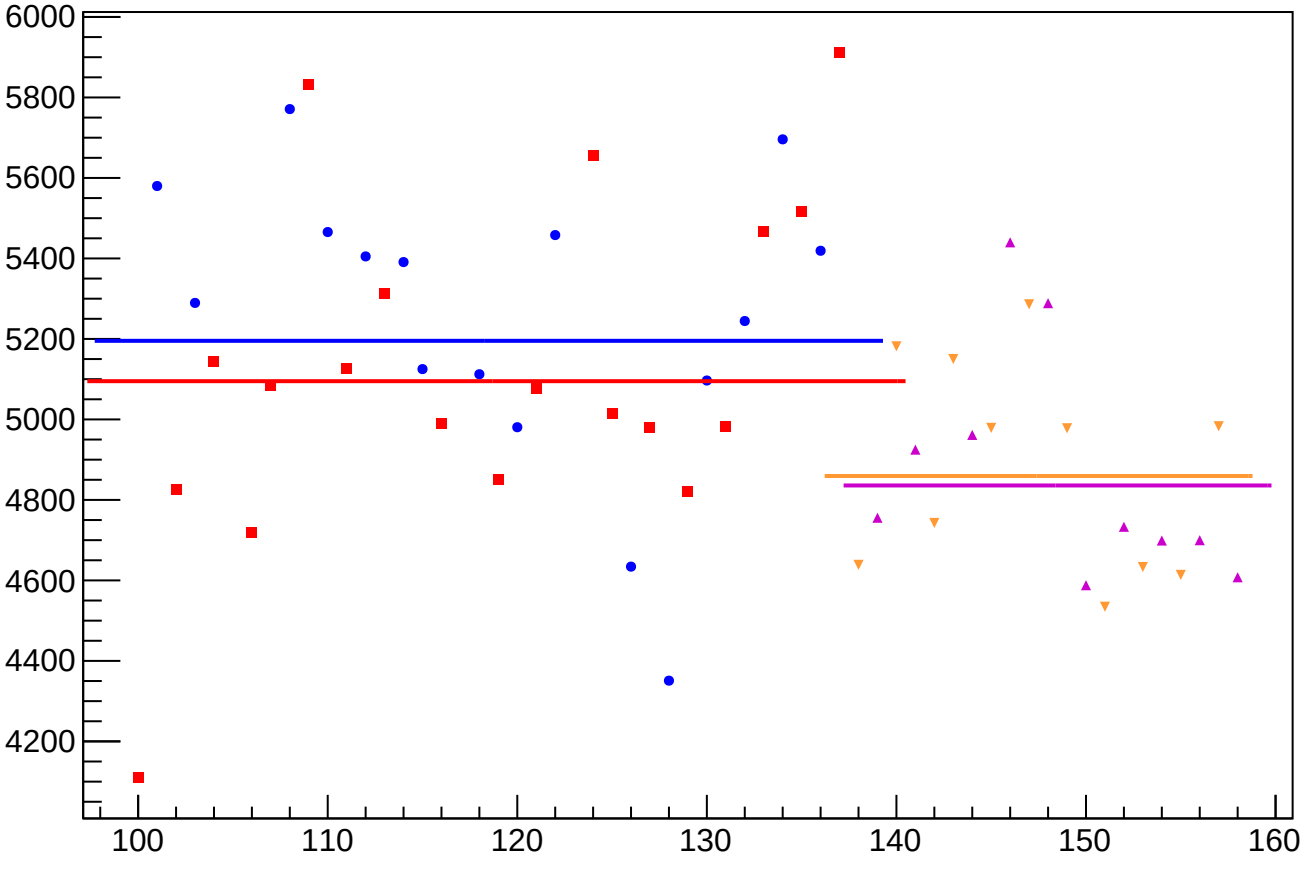
Left In: -9974.552+/-1.690 χ^2/NDF:303265776.1/9

+ sign 9640.410+/-1.297 χ^2/NDF: 1779726173.3/26

All: 4881.462+/-0.907 χ^2/NDF: 4051535539.

- sign 315.548+/-1.270 χ^2/NDF: 2245410210.2/28

yield_bcm_an_diff_rms vs Slug



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4859.417+/-1.202 χ^2/NDF:44056.4/10

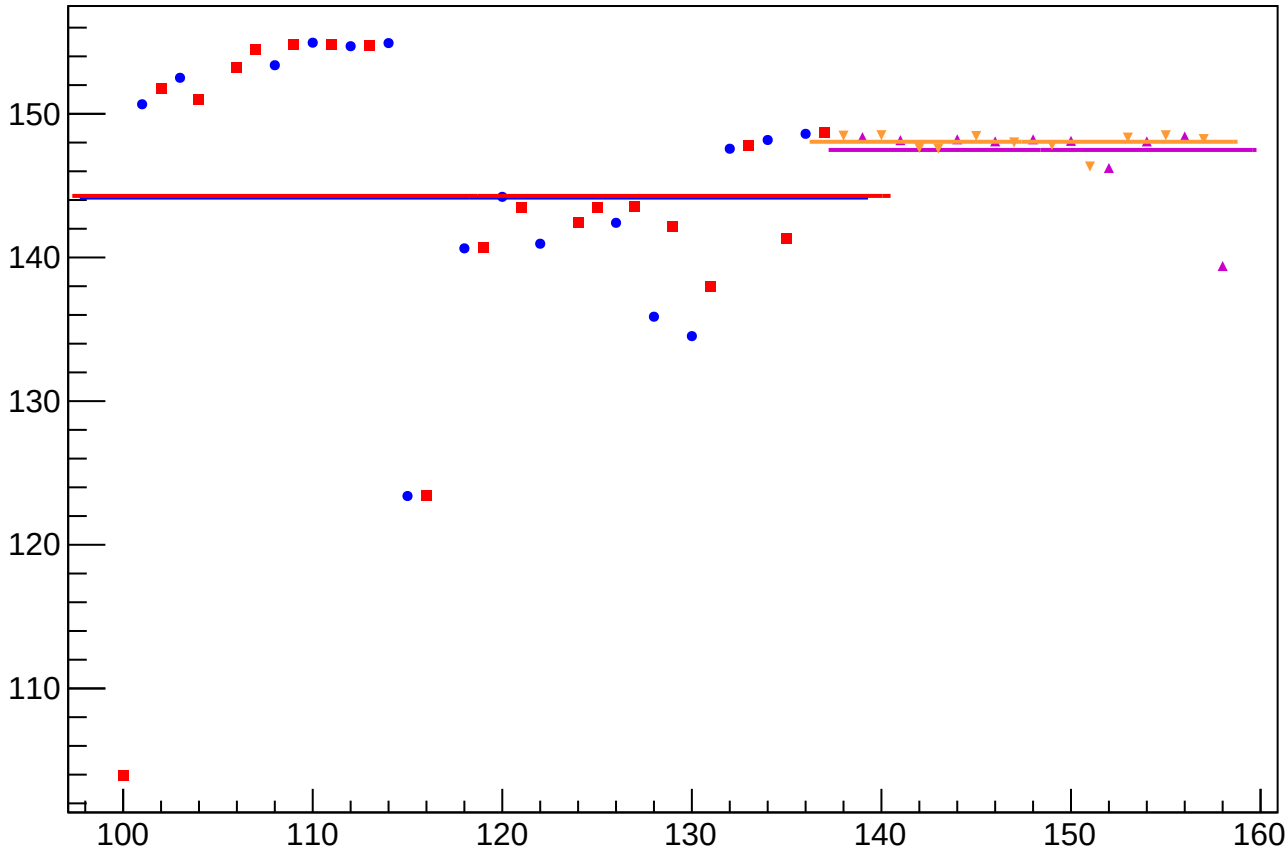
Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4835.896+/-1.195 χ^2/NDF:45939.8/9

+ sign 4999.793+/-0.917 χ^2/NDF: 153875.1/26

All: 4973.716+/-0.642 χ^2/NDF: 280984.0/55

- sign 4948.696+/-0.898 χ^2/NDF: 125523.6/28



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 148.056+/-0.000 χ^2/NDF:19250795.7/10

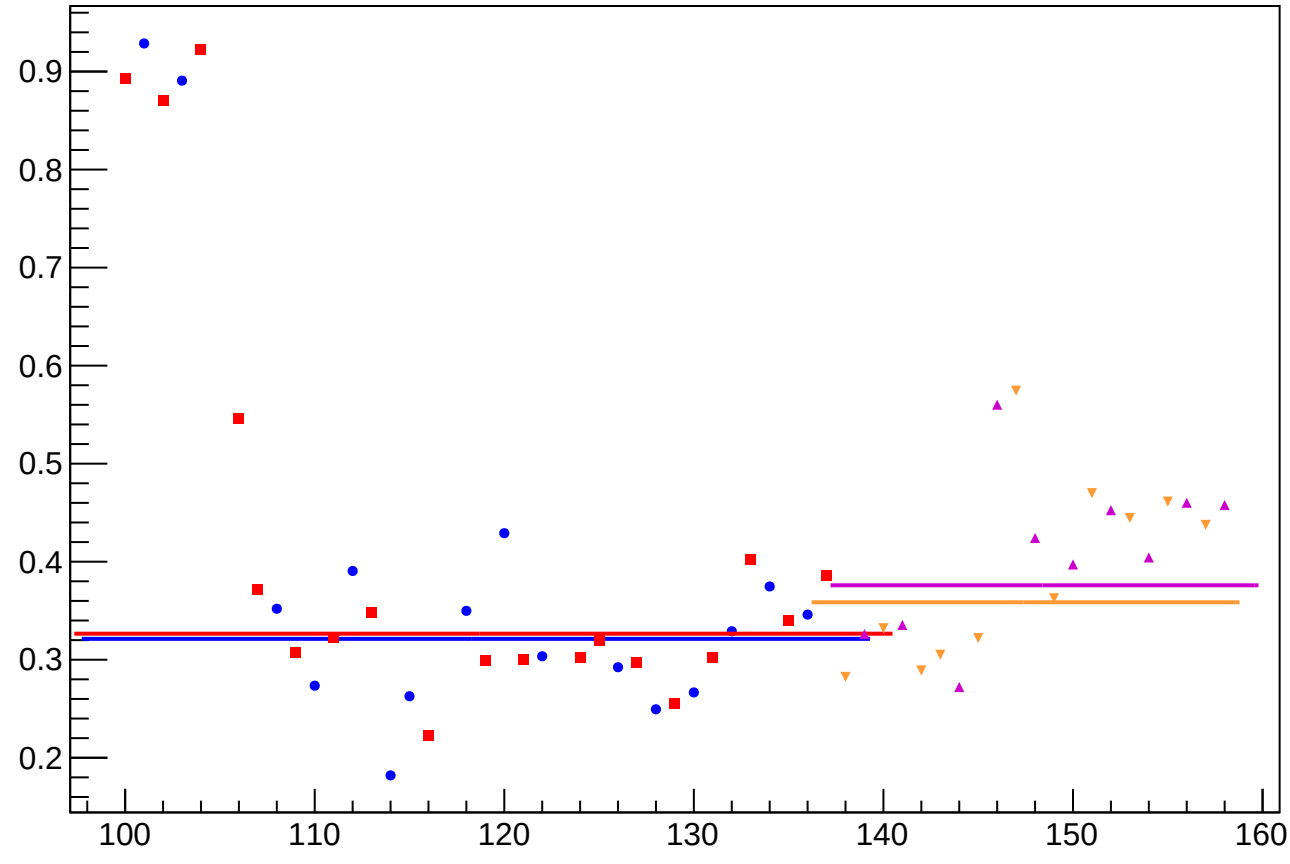
Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

Left In: 147.486+/-0.000 χ^2/NDF:280953760.4/9

+ sign 146.174+/-0.000 χ^2/NDF: 4232388288.3/26

All: 146.027+/-0.000 χ^2/NDF: 9098796895.6

- sign 145.873+/-0.000 χ^2/NDF: 4861129741.8/28



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.359+/-0.000 χ^2/NDF:729355.2/10

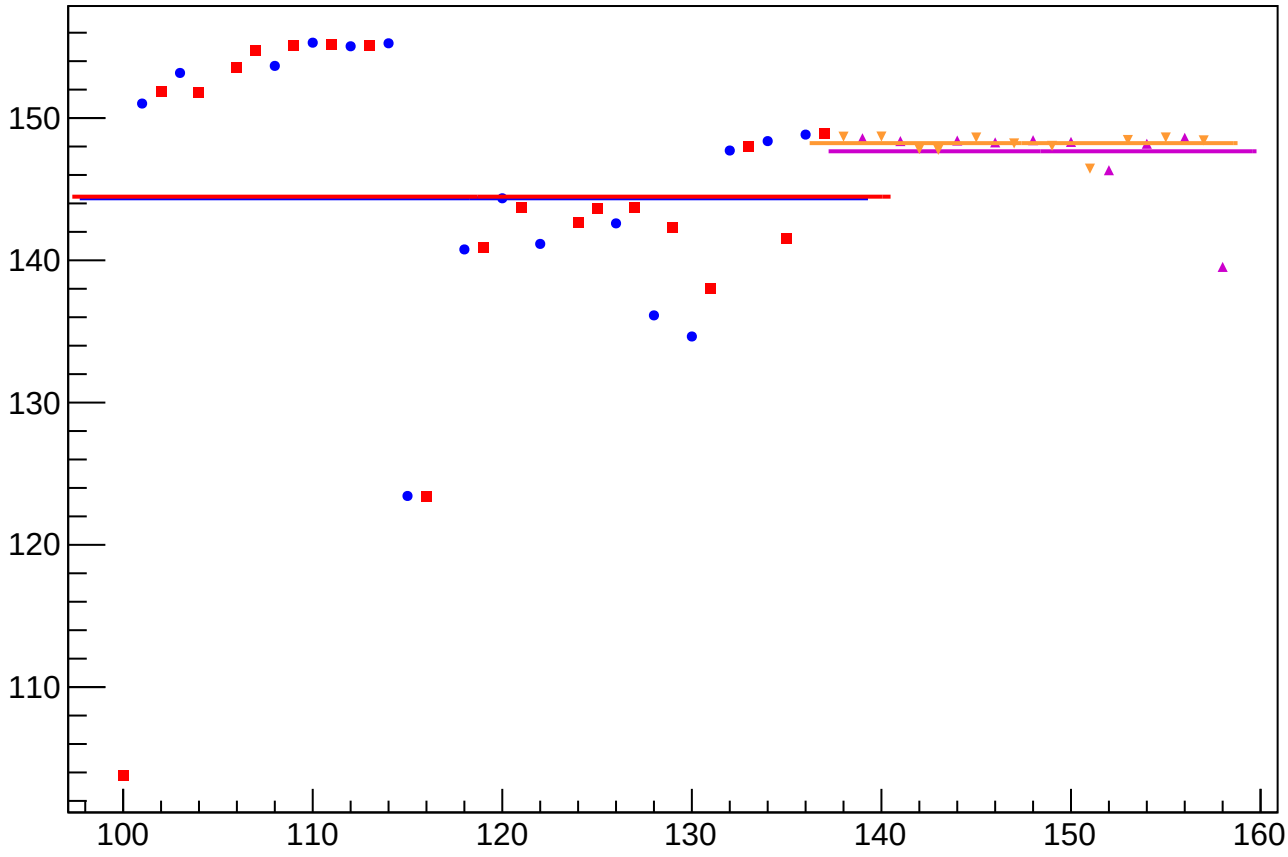
Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.376+/-0.000 χ^2/NDF:680546.7/9

+ sign 0.341+/-0.000 χ^2/NDF: 2208308.8/26

All: 0.346+/-0.000 χ^2/NDF: 4342362.0/55

- sign 0.351+/-0.000 χ^2/NDF: 2121250.1/28



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.238+/-0.000 χ^2/NDF:19694716.2/10

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

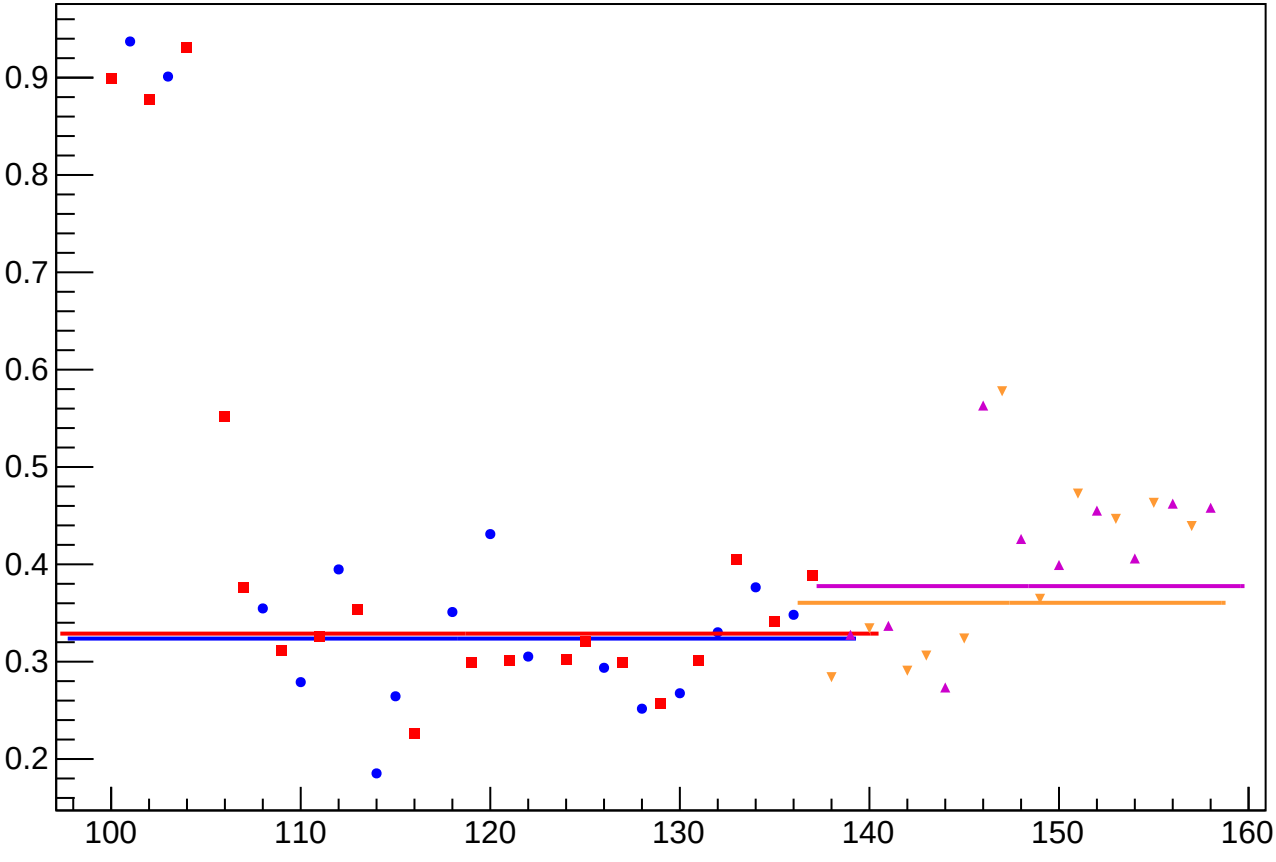
Left In: 147.664+/-0.000 χ^2/NDF:285149145.9/9

+ sign 146.363+/-0.000 χ^2/NDF: 4219389332.7/26

All: 146.215+/-0.000 χ^2/NDF: 9076798723.5

- sign 146.060+/-0.000 χ^2/NDF: 4852116156.6/28

yield_bcm_an_ds3_rms vs Slug



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.360+/-0.000 χ^2/NDF:728342.3/10

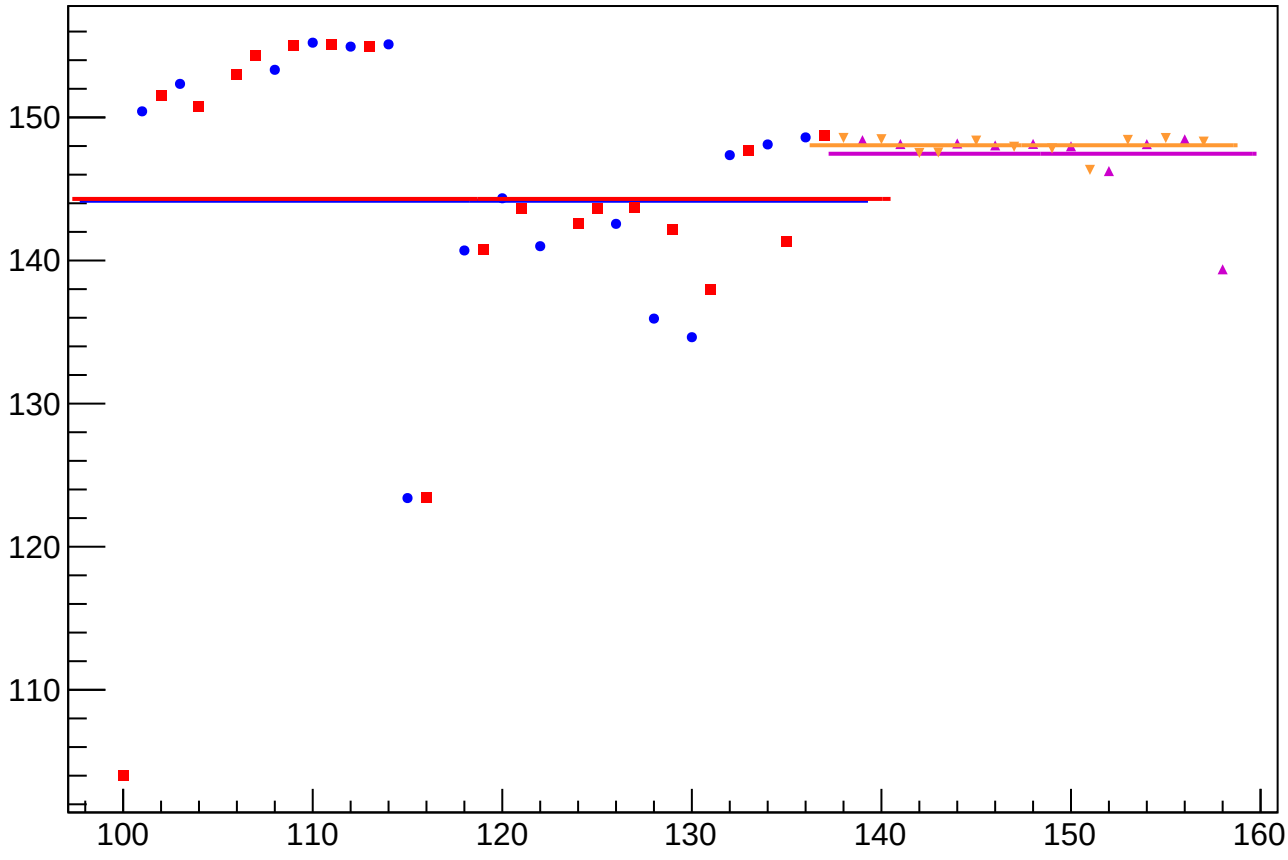
Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.378+/-0.000 χ^2/NDF:679136.7/9

+ sign 0.343+/-0.000 χ^2/NDF: 2200052.8/26

All: 0.348+/-0.000 χ^2/NDF: 4328189.0/55

- sign 0.353+/-0.000 χ^2/NDF: 2115805.3/28



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 148.055+/-0.000 χ^2/NDF:20442157.7/10

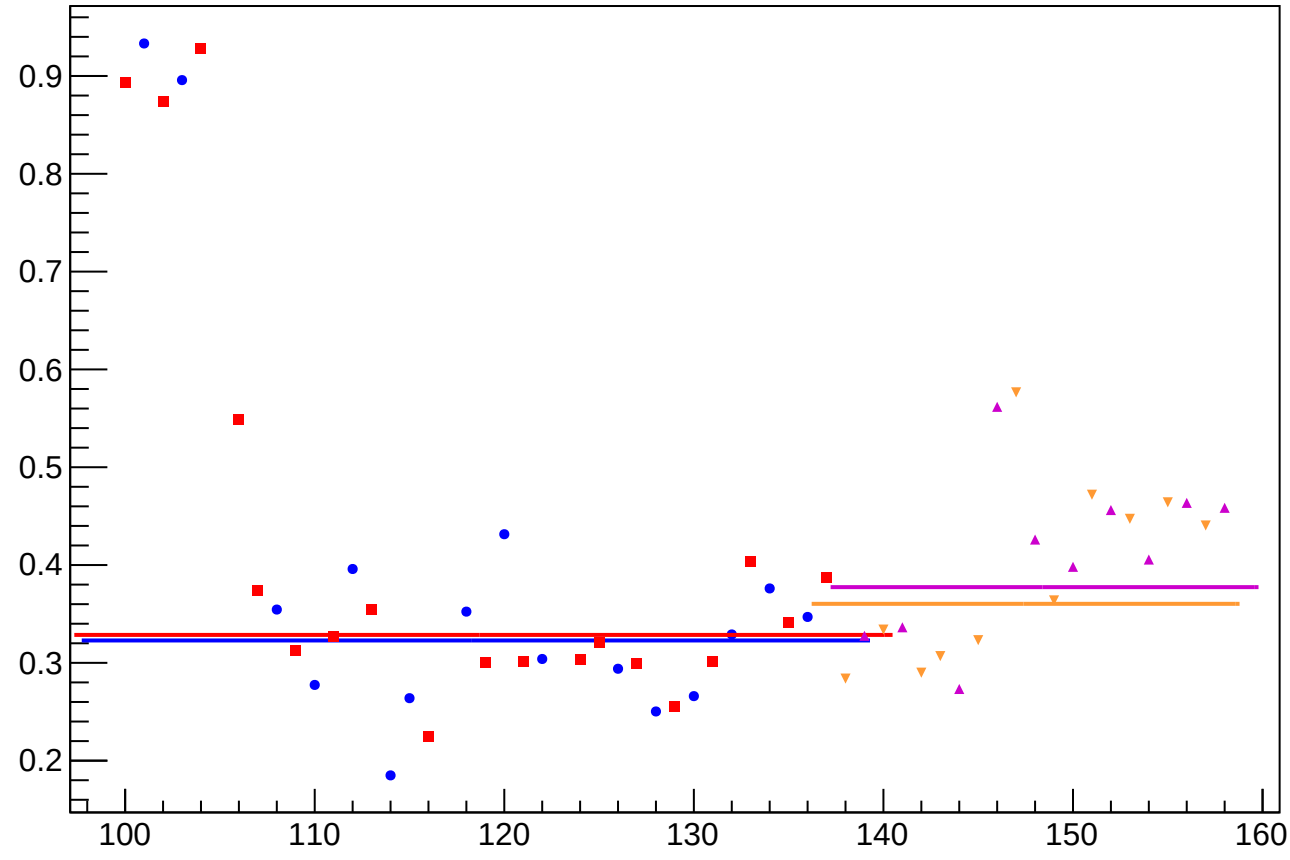
Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 147.461+/-0.000 χ^2/NDF:279448320.0/9

+ sign 146.176+/-0.000 χ^2/NDF: 4187828931.5/26

All: 146.028+/-0.000 χ^2/NDF: 9016590272.1

- sign 145.873+/-0.000 χ^2/NDF: 4823475513.5/28



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.360+/-0.000 χ^2/NDF:730292.6/10

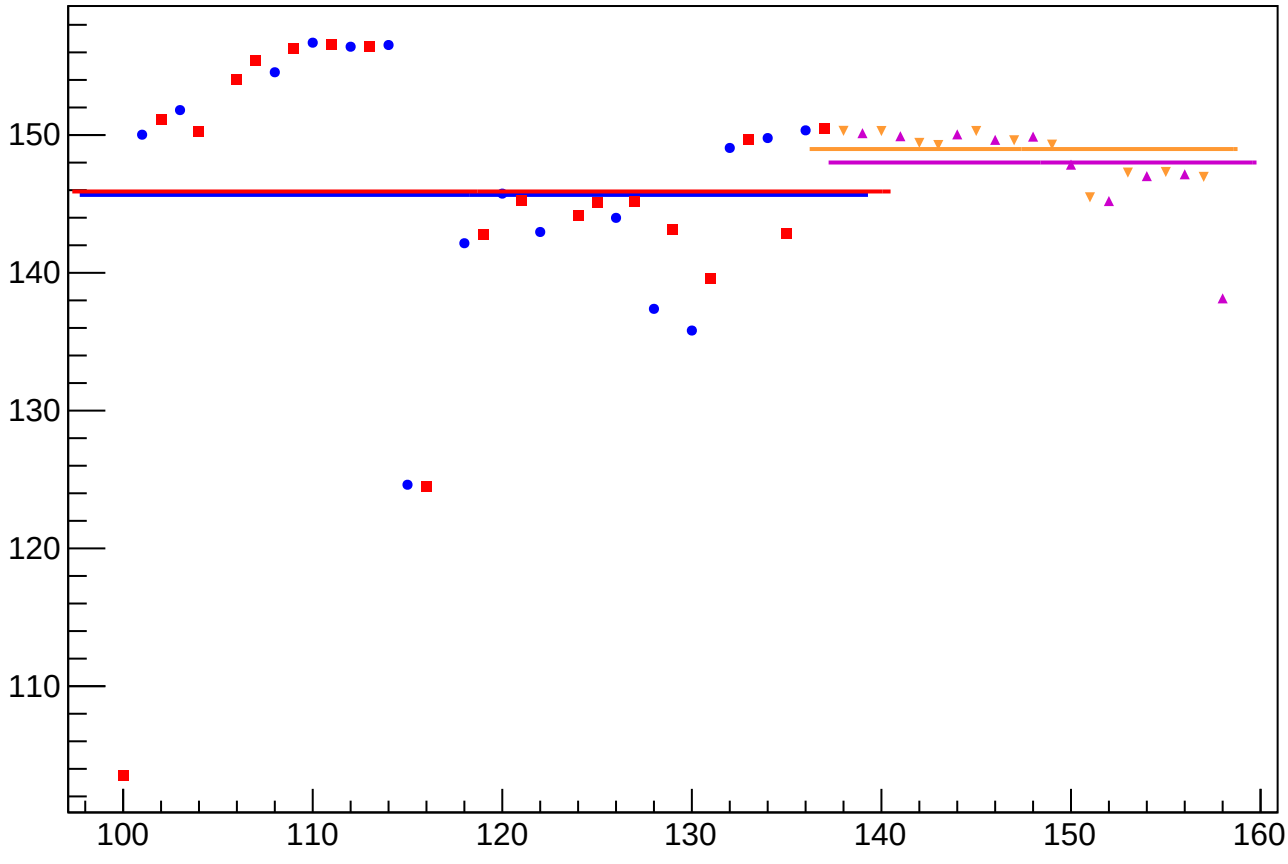
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.377+/-0.000 χ^2/NDF:681670.5/9

+ sign 0.342+/-0.000 χ^2/NDF: 2208865.2/26

All: 0.347+/-0.000 χ^2/NDF: 4341536.5/55

- sign 0.353+/-0.000 χ^2/NDF: 2119674.3/28



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 148.985+/-0.000 χ^2/NDF:119535750.6/10

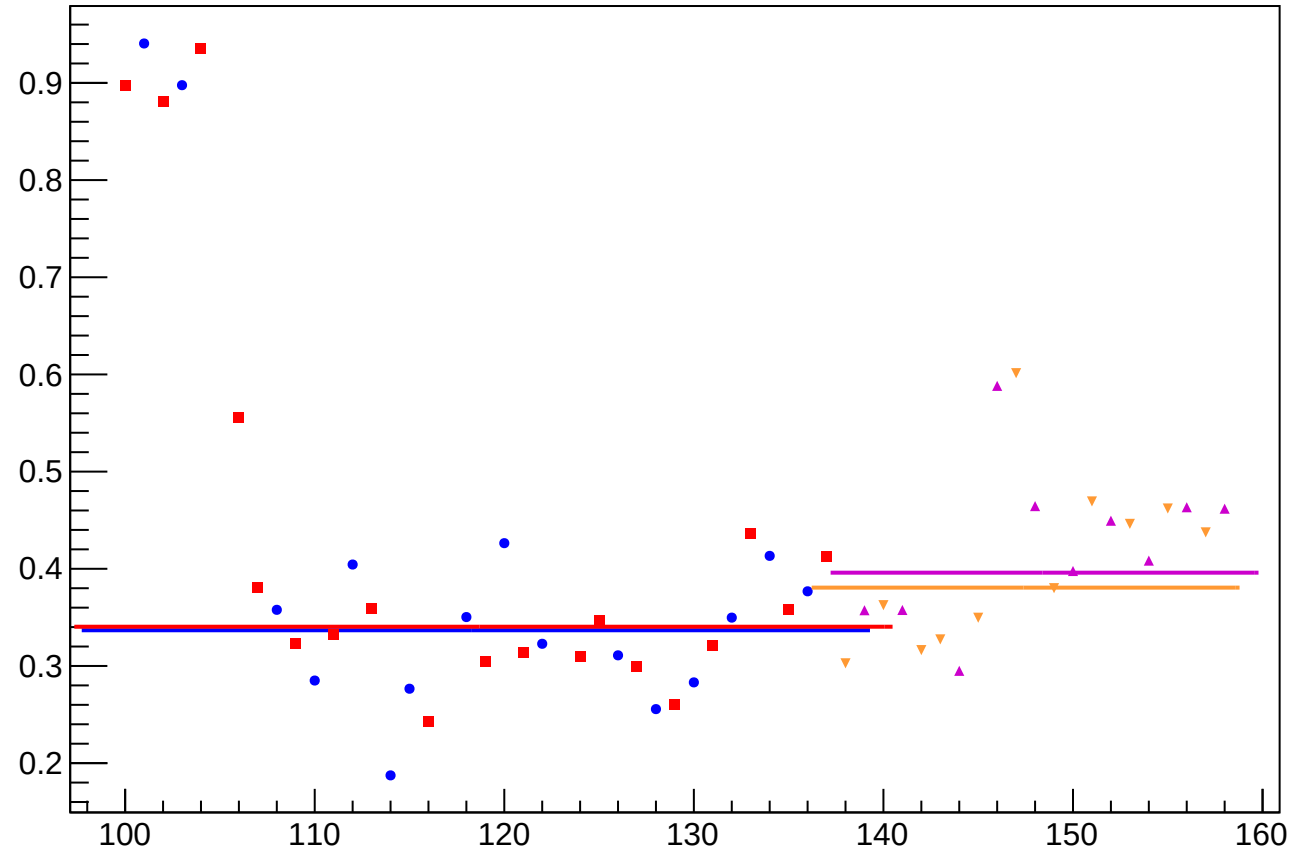
Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

Left In: 148.007+/-0.000 χ^2/NDF:515541728.0/9

+ sign 147.356+/-0.000 χ^2/NDF: 3897610586.8/26

All: 147.152+/-0.000 χ^2/NDF: 8399761452.7

- sign 146.940+/-0.000 χ^2/NDF: 4493031411.1/28



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.381+/-0.000 χ^2/NDF:560955.8/10

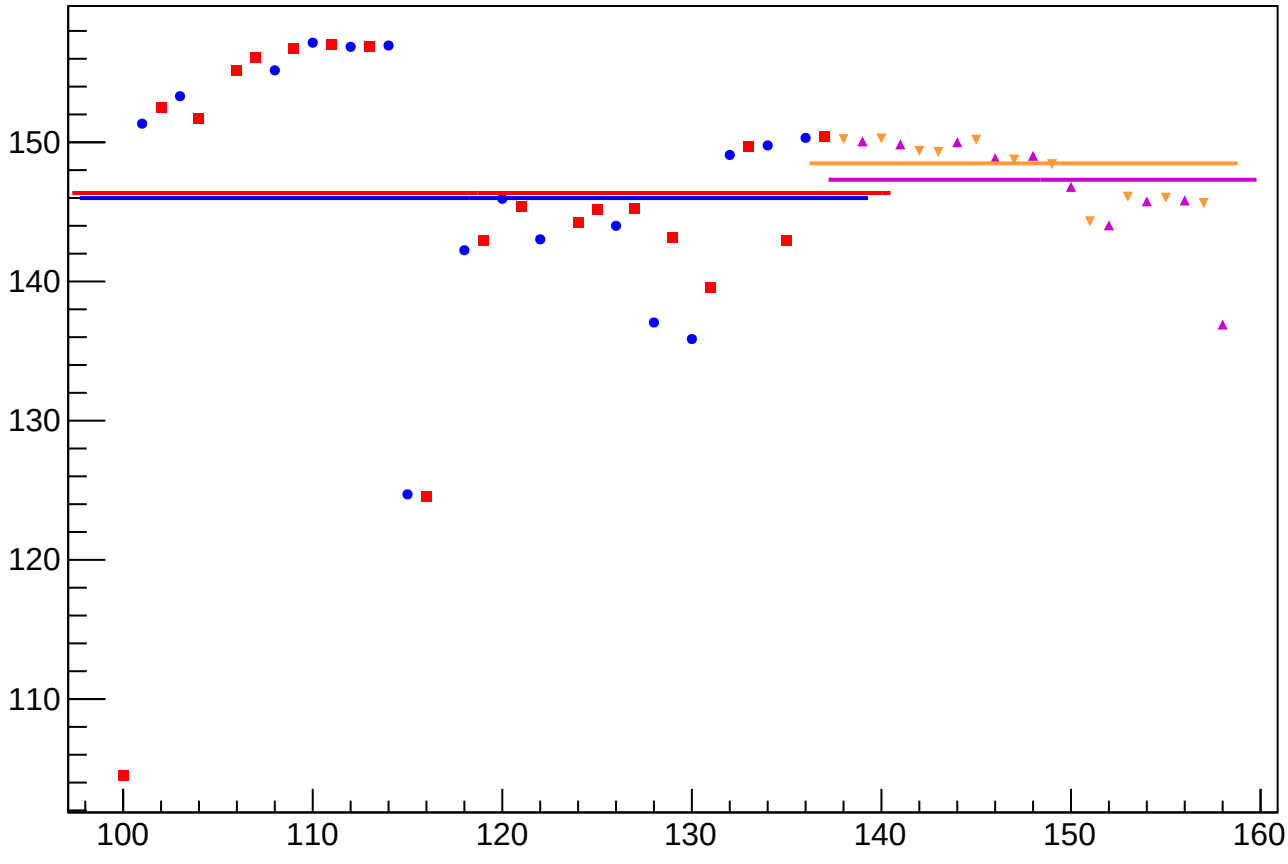
Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.396+/-0.000 χ^2/NDF:543634.5/9

+ sign 0.359+/-0.000 χ^2/NDF: 2034590.5/26

All: 0.363+/-0.000 χ^2/NDF: 4021010.4/55

- sign 0.368+/-0.000 χ^2/NDF: 1978576.0/28



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 148.485+/-0.000 χ^2/NDF:209815196.7/10

Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

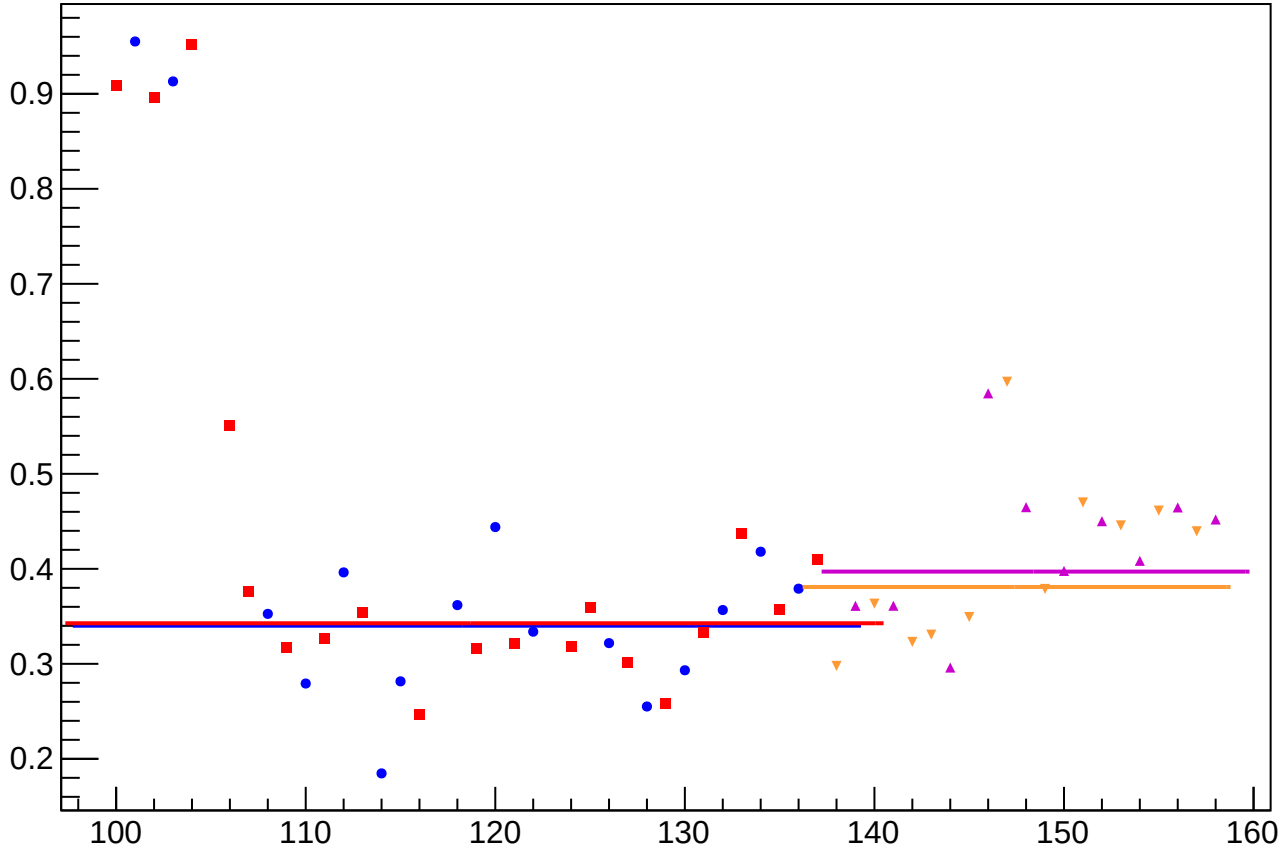
Left In: 147.310+/-0.000 χ^2/NDF:662696147.2/9

+ sign 147.278+/-0.000 χ^2/NDF: 3995578485.3/26

All: 147.057+/-0.000 χ^2/NDF: 8655059336.9

- sign 146.830+/-0.000 χ^2/NDF: 4649018116.1/28

yield_bcm_dg_ds_rms vs Slug



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.381+/-0.000 χ^2/NDF:558169.4/10

Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

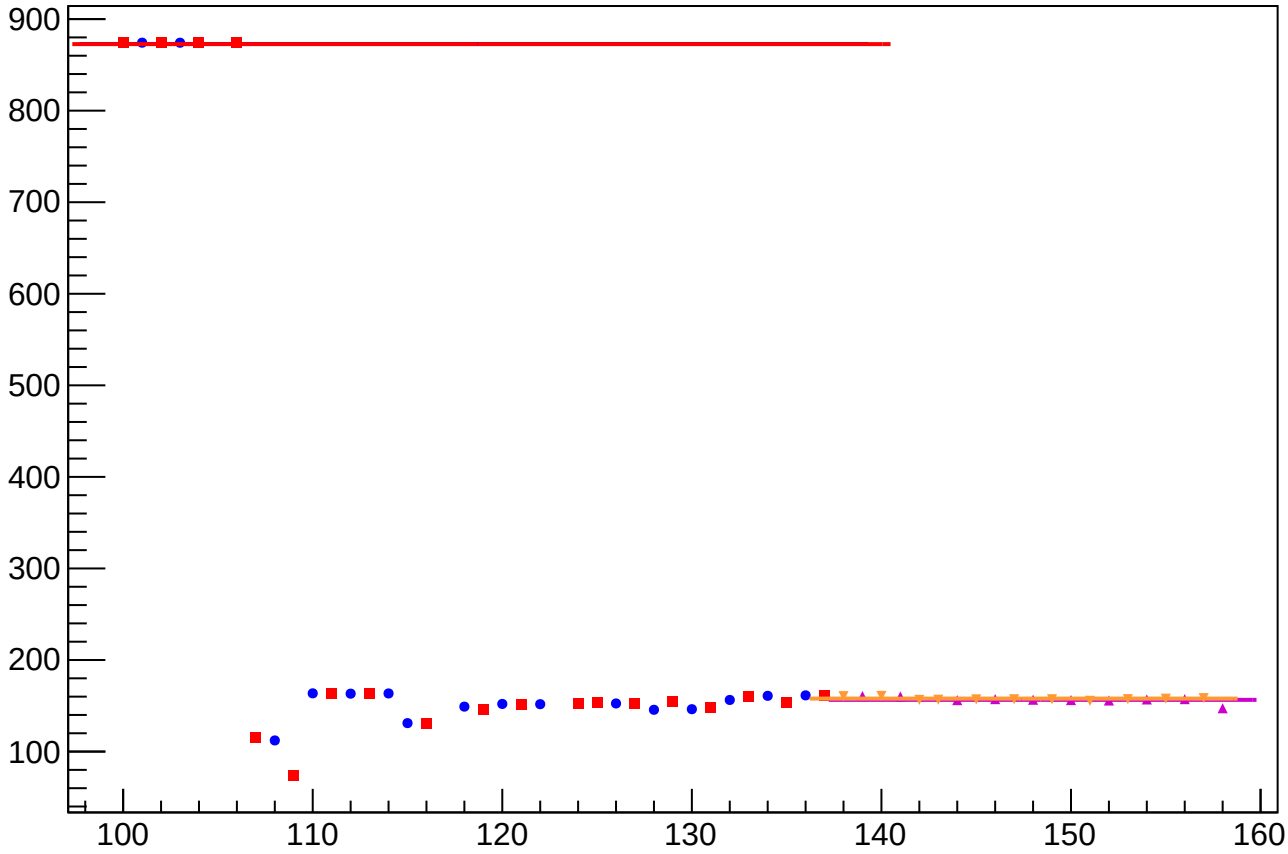
Left In: 0.397+/-0.000 χ^2/NDF:518174.7/9

+ sign 0.361+/-0.000 χ^2/NDF: 2038983.9/26

All: 0.365+/-0.000 χ^2/NDF: 3986910.1/55

- sign 0.370+/-0.000 χ^2/NDF: 1940420.0/28

yield_cav4bQ_mean vs Slug



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 157.869+/-0.000 χ^2/NDF:40989878.8/10

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

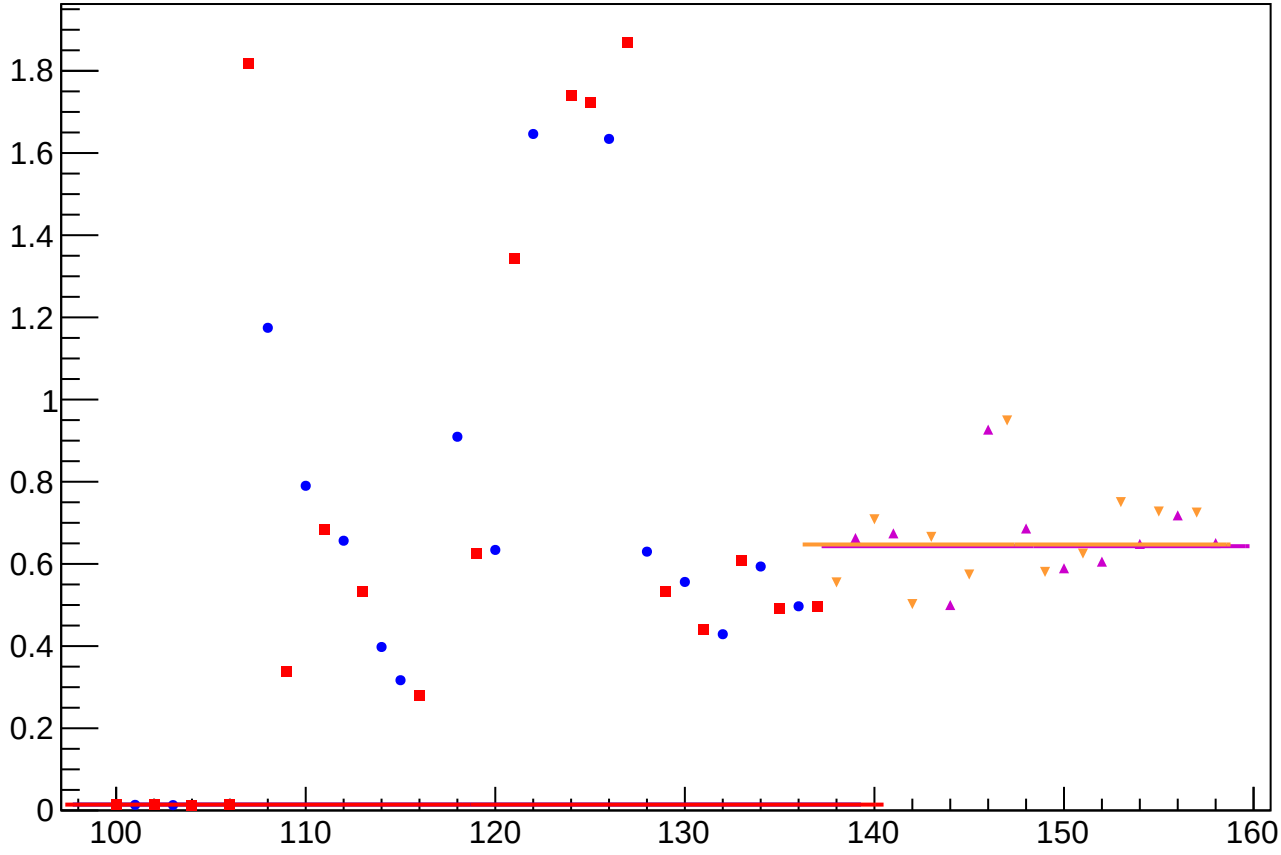
Left In: 156.490+/-0.000 χ^2/NDF:163732811.1/9

+ sign 871.489+/-0.000 χ^2/NDF: 13978821724299.

All: 871.481+/-0.000 χ^2/NDF: 30214849147

- sign 871.473+/-0.000 χ^2/NDF: 16236026446983.5

yield_cav4bQ_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.647+/-0.000 χ^2/NDF:269525.8/10

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

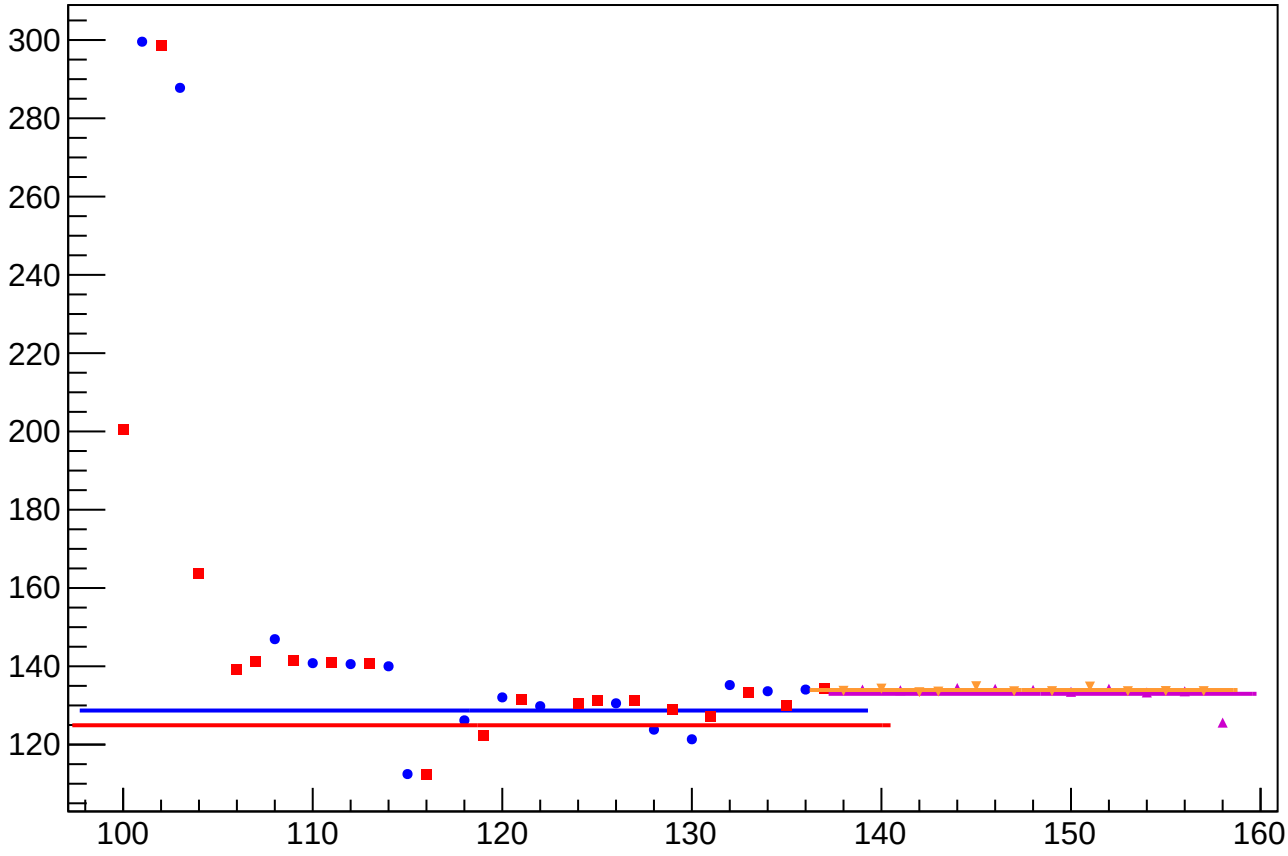
Left In: 0.643+/-0.000 χ^2/NDF:217269.3/9

+ sign 0.016+/-0.000 χ^2/NDF: 20529551.8/26

All: 0.015+/-0.000 χ^2/NDF: 41058558.5/55

- sign 0.015+/-0.000 χ^2/NDF: 20528471.0/28

yield_cav4cQ_mean vs Slug



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 133.940+/-0.000 χ^2/NDF:10123061.3/10

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

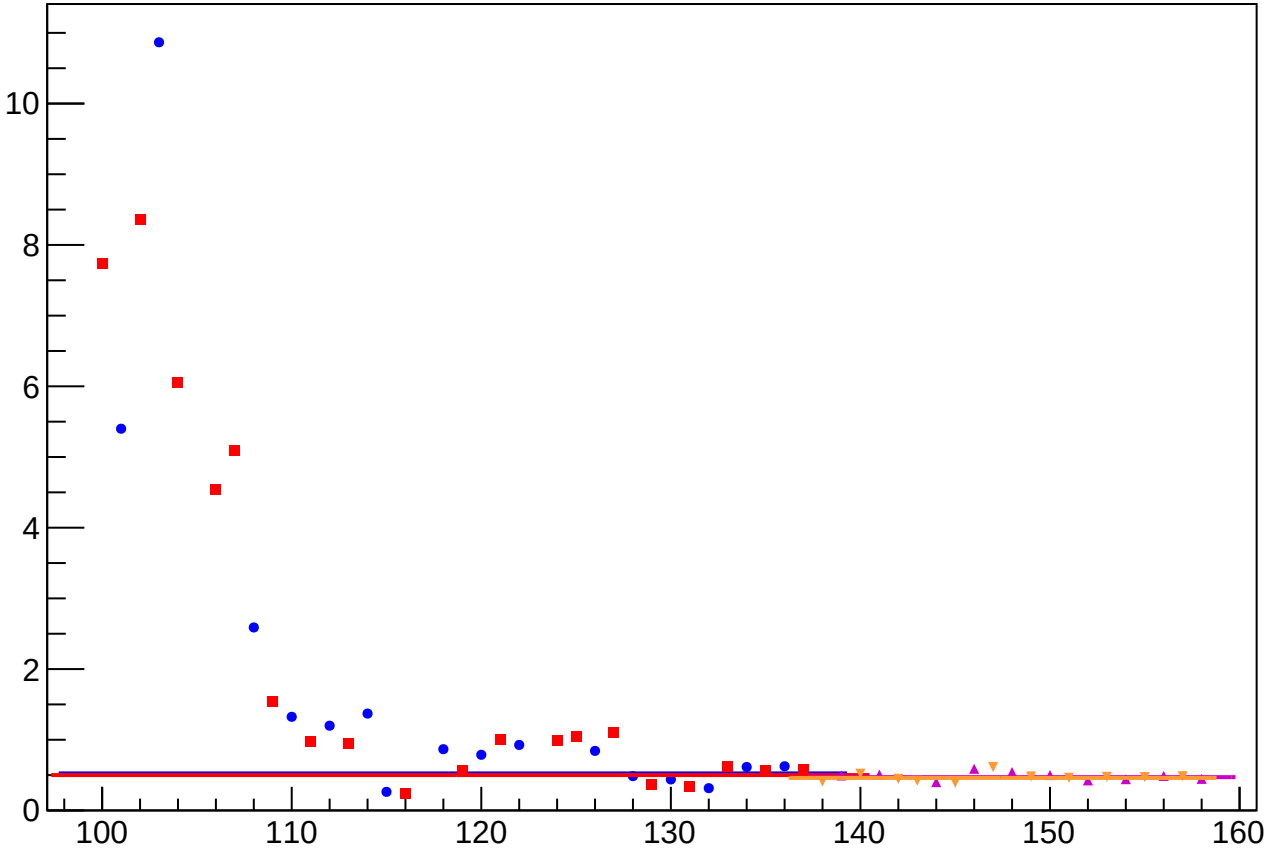
Left In: 132.970+/-0.000 χ^2/NDF:239629662.0/9

+ sign 132.479+/-0.000 χ^2/NDF: 1930926290.9/26

All: 131.541+/-0.000 χ^2/NDF: 4291124542.6

- sign 130.592+/-0.000 χ^2/NDF: 2275297316.2/28

yield_cav4cQ_rms vs Slug



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.460+/-0.000 χ^2/NDF:189280.7/10

Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

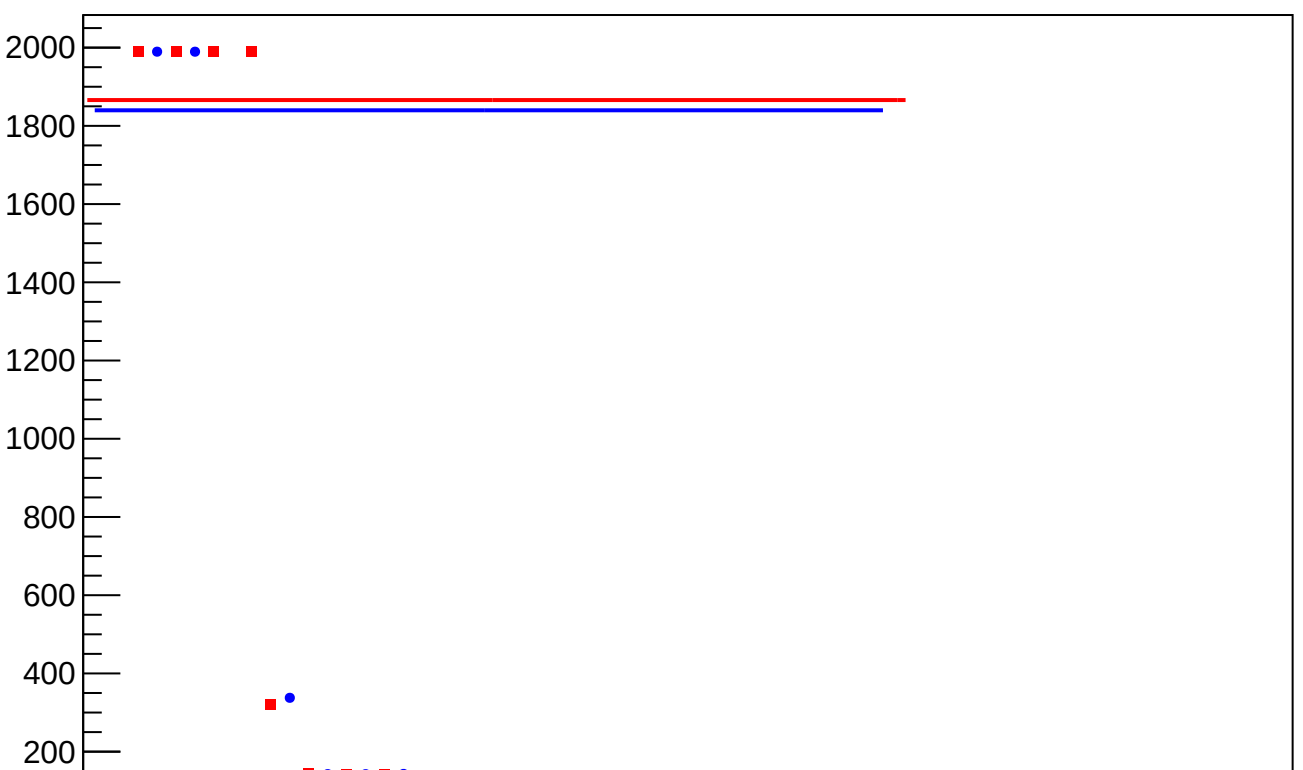
Left In: 0.471+/-0.000 χ^2/NDF:188440.9/9

+ sign 0.478+/-0.000 χ^2/NDF: 4405612.9/26

All: 0.479+/-0.000 χ^2/NDF: 9495171.5/55

- sign 0.480+/-0.000 χ^2/NDF: 5089406.6/28

yield_cav4dQ_mean vs Slug



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.364+/-0.000 χ^2/NDF:20752700.2/10

Right Out: 1865.968+/-0.000 χ^2/NDF: 142769122276045.8/18

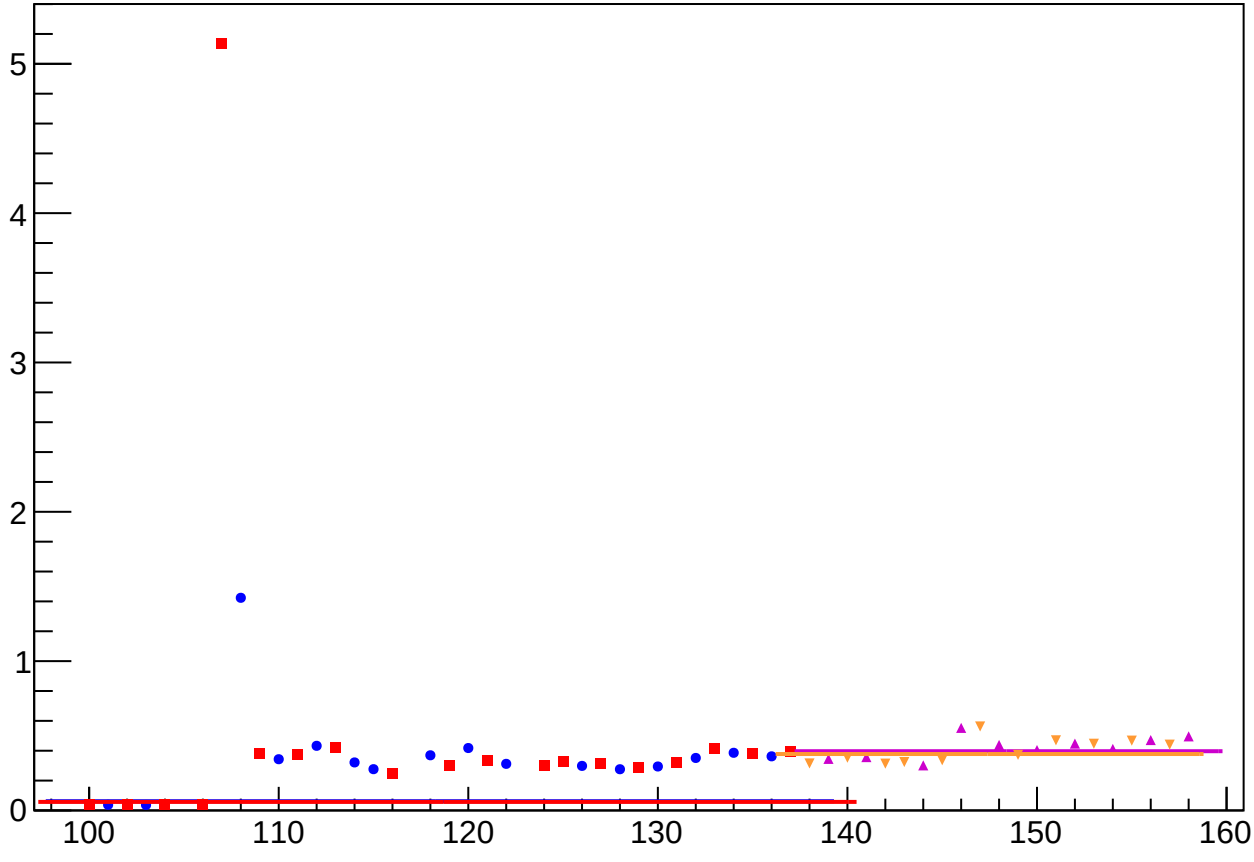
Left In: 136.885+/-0.000 χ^2/NDF:196789375.8/9

+ sign 1686.933+/-0.000 χ^2/NDF: 2943225142066

All: 1716.506+/-0.000 χ^2/NDF: 5804664564

- sign 1742.343+/-0.000 χ^2/NDF: 28511718467923

yield_cav4dQ_rms vs Slug



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.378+/-0.000 χ^2/NDF:525055.7/10

Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

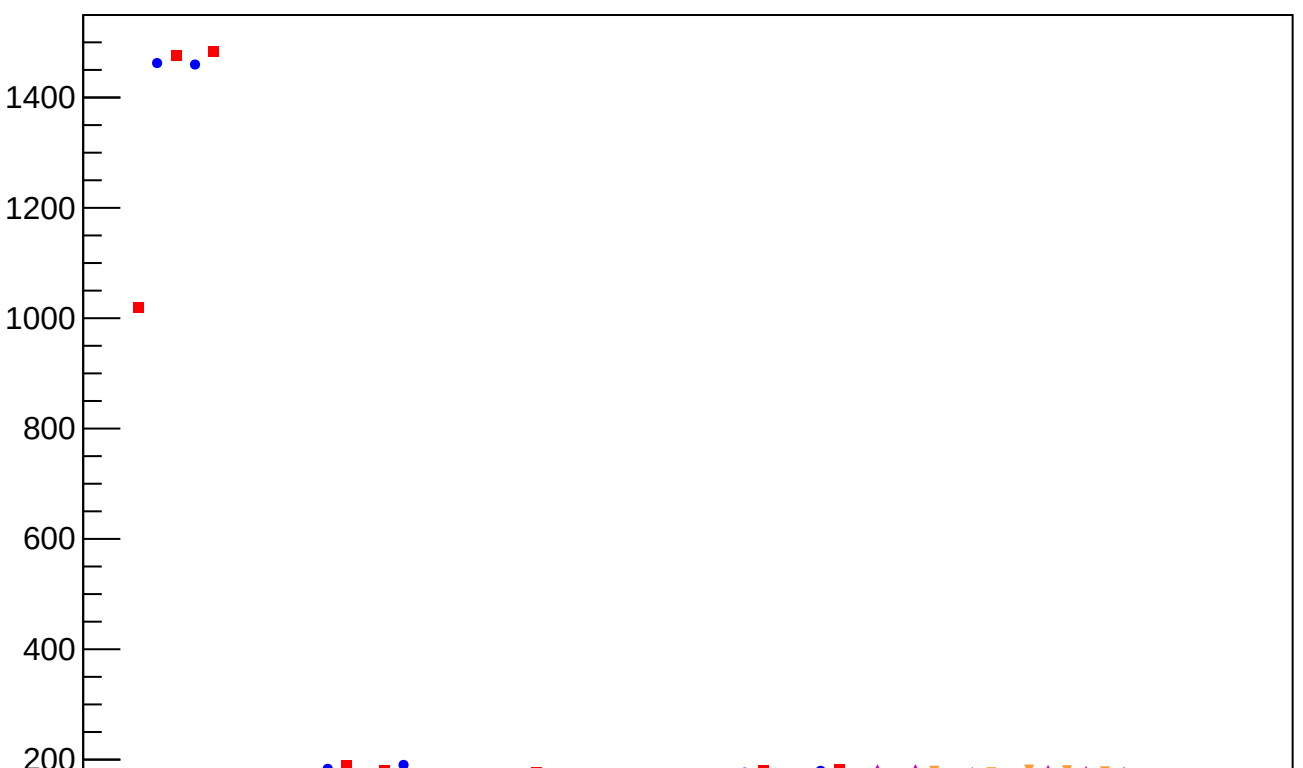
Left In: 0.397+/-0.000 χ^2/NDF:507074.0/9

+ sign 0.090+/-0.000 χ^2/NDF: 18933689.6/26

All: 0.086+/-0.000 χ^2/NDF: 38205547.5/55

- sign 0.082+/-0.000 χ^2/NDF: 19222417.5/28

yield_bcm0l02_mean vs Slug



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 173.356+/-0.000 χ^2/NDF:257946600.8/10

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

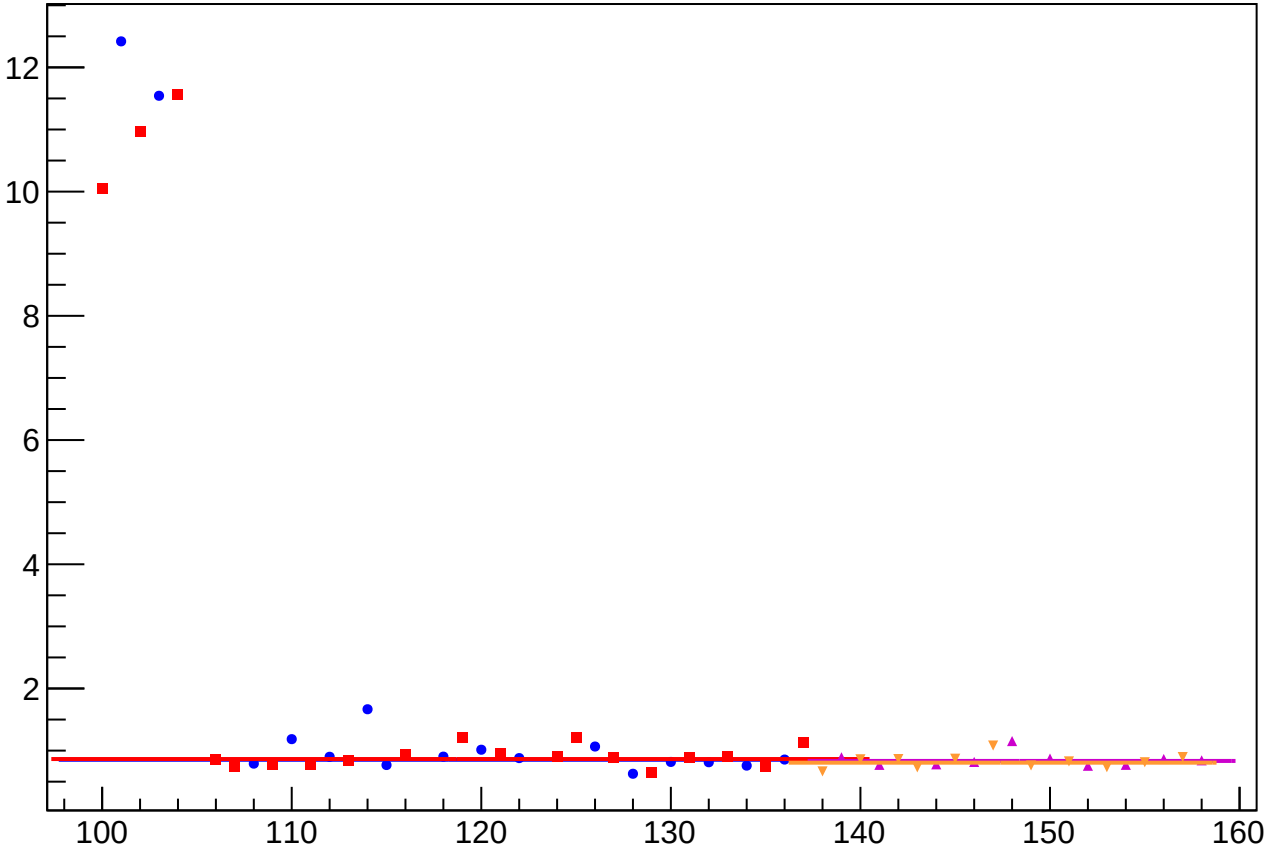
Left In: 174.038+/-0.000 χ^2/NDF:484355991.4/9

+ sign 170.815+/-0.000 χ^2/NDF: 15000429029.0/26

All: 171.430+/-0.000 χ^2/NDF: 31885110599.

- sign 172.050+/-0.000 χ^2/NDF: 16874648798.4/28

yield_bcm0l02_rms vs Slug



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.806+/-0.000 χ^2/NDF:155869.5/10

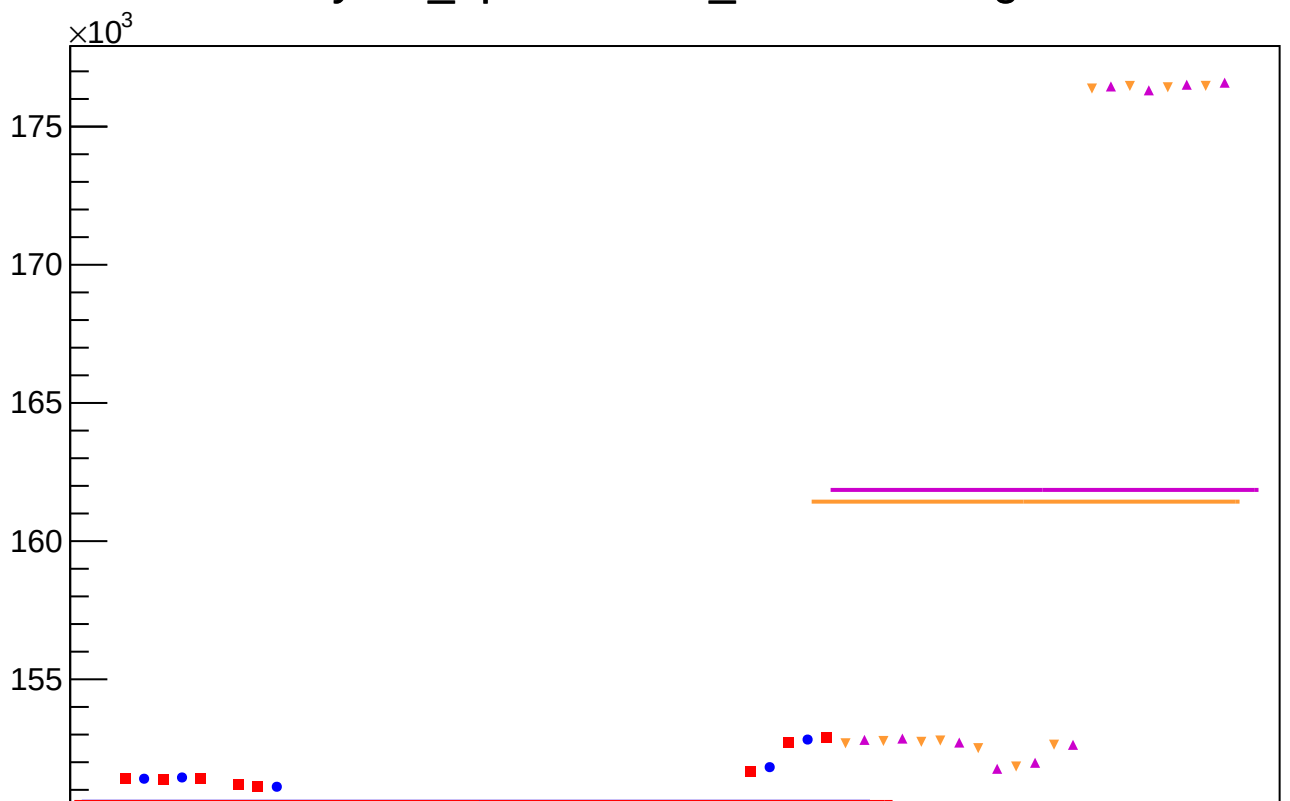
Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.834+/-0.000 χ^2/NDF:131351.9/9

+ sign 0.825+/-0.000 χ^2/NDF: 2472354.6/26

All: 0.835+/-0.000 χ^2/NDF: 4825144.5/55

- sign 0.846+/-0.000 χ^2/NDF: 2346547.4/28



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 161429.102+/-0.061 χ^2/NDF:36026306952.4/10

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

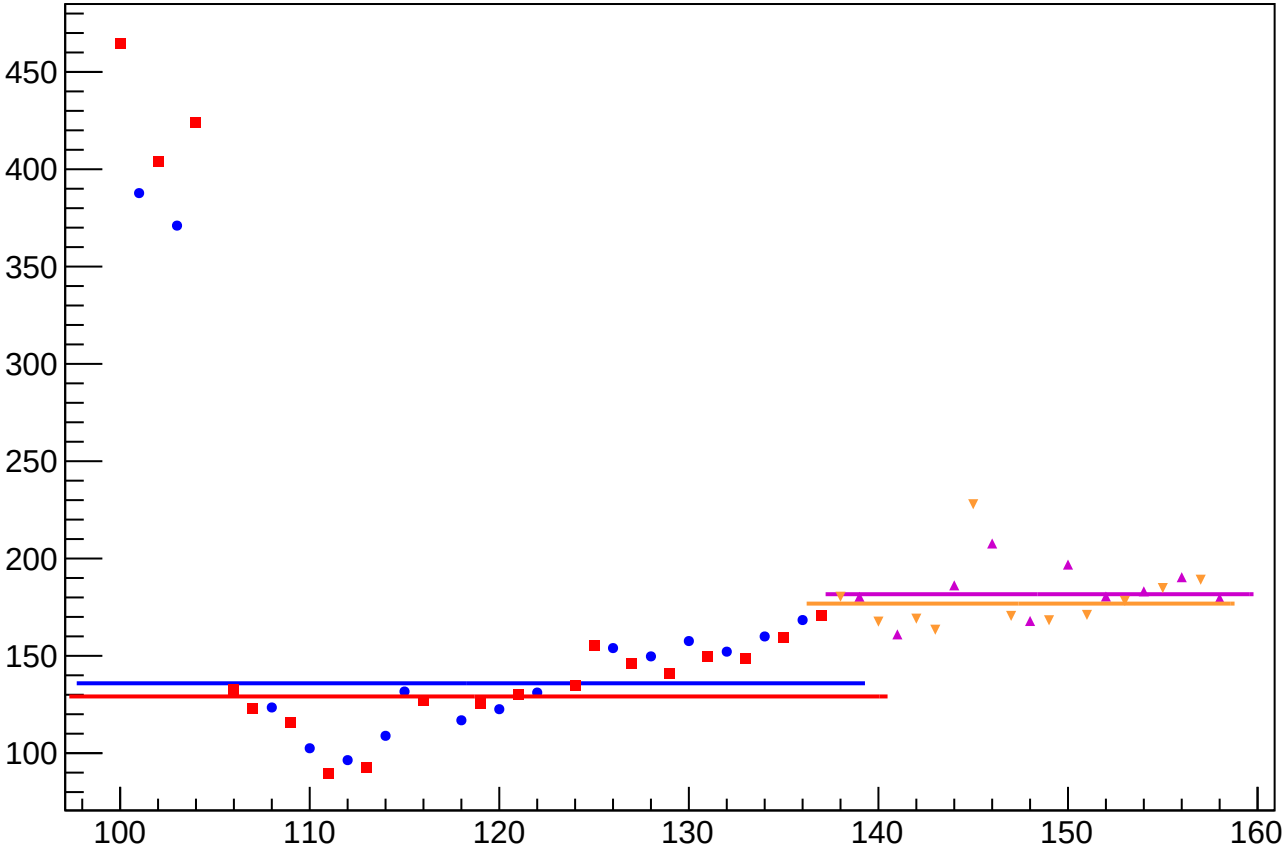
Left In: 161853.384+/-0.062 χ^2/NDF:35411715011.6/9

+ sign 155417.899+/-0.041 χ^2/NDF: 53922620447.1

All: 155254.093+/-0.028 χ^2/NDF: 10927907

- sign 155099.828+/-0.039 χ^2/NDF: 55324889532.4

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 176.838+/-0.043 χ^2/NDF:117417.3/10

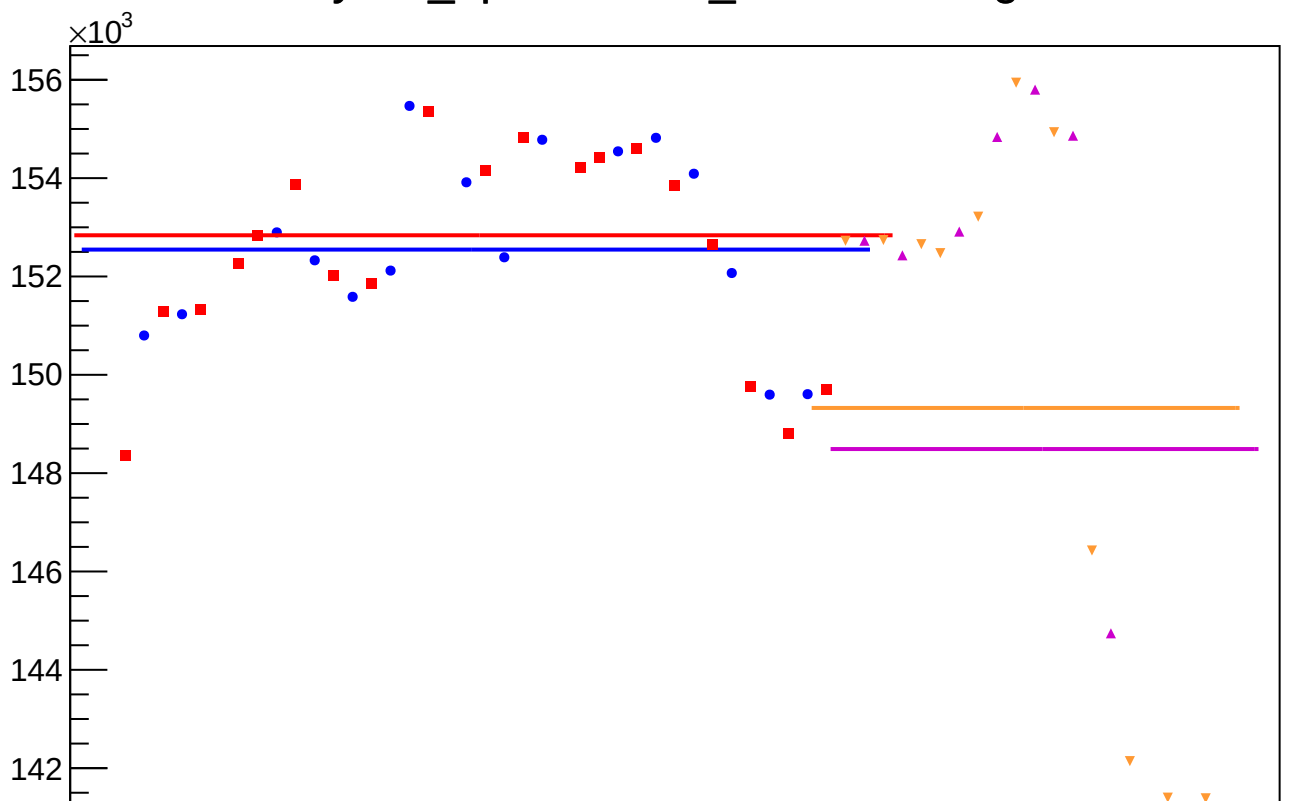
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 181.667+/-0.044 χ^2/NDF:82765.6/9

+ sign 154.177+/-0.029 χ^2/NDF: 2035677.0/26

All: 152.152+/-0.020 χ^2/NDF: 4595975.2/55

- sign 150.245+/-0.028 χ^2/NDF: 2550651.6/28



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 149326.151+/-0.068 χ^2/NDF:6089933428.5/10

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

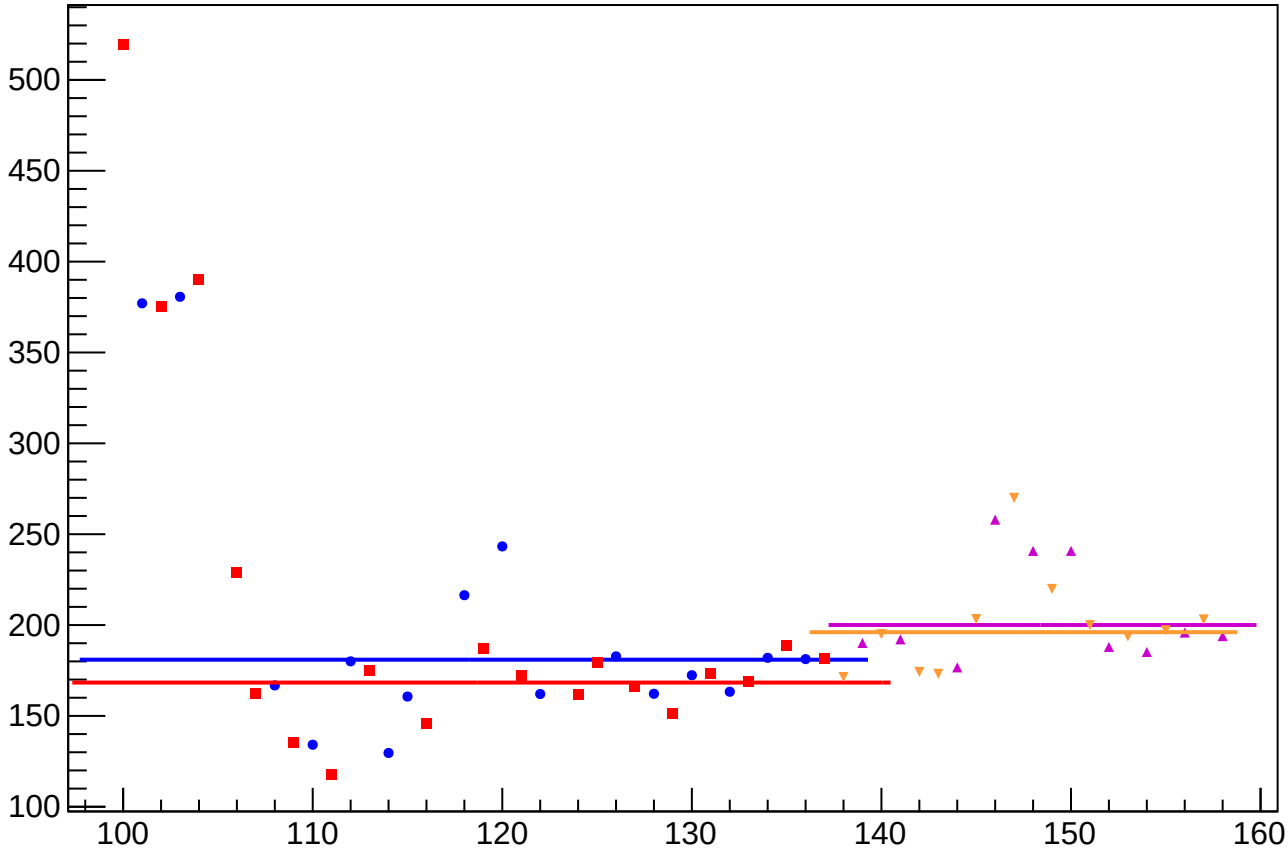
Left In: 148490.356+/-0.069 χ^2/NDF:7338943075.0/9

+ sign 150827.896+/-0.050 χ^2/NDF: 7794445628.8

All: 150782.186+/-0.034 χ^2/NDF: 17925032

- sign 150739.449+/-0.048 χ^2/NDF: 10128942926.

yield_bpm0i07WS_rms vs Slug



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 196.073+/-0.048 χ^2/NDF:219550.5/10

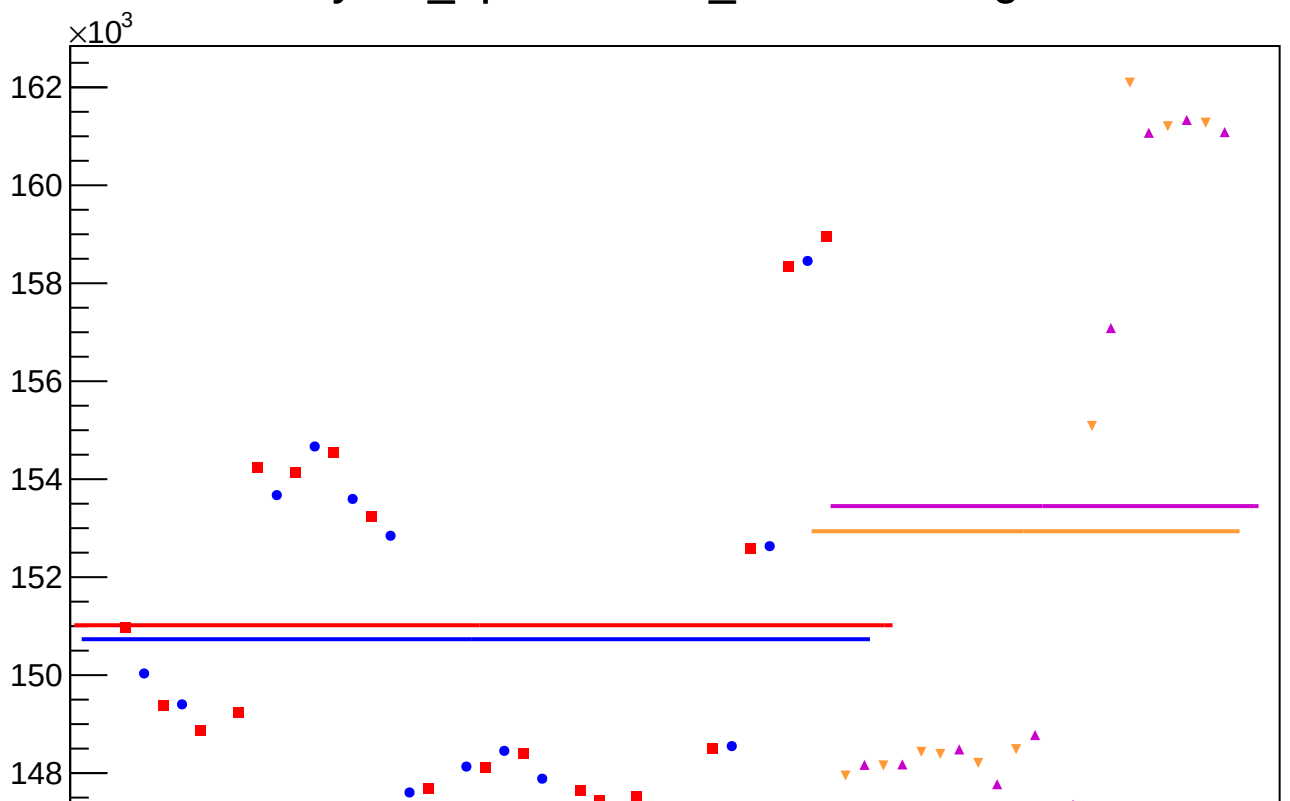
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 200.024+/-0.049 χ^2/NDF:244281.5/9

+ sign 189.016+/-0.035 χ^2/NDF: 1173677.4/26

All: 186.236+/-0.024 χ^2/NDF: 2737168.1/55

- sign 183.638+/-0.034 χ^2/NDF: 1551329.1/28



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 152937.199+/-0.065 χ^2/NDF:8678007273.3/10

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

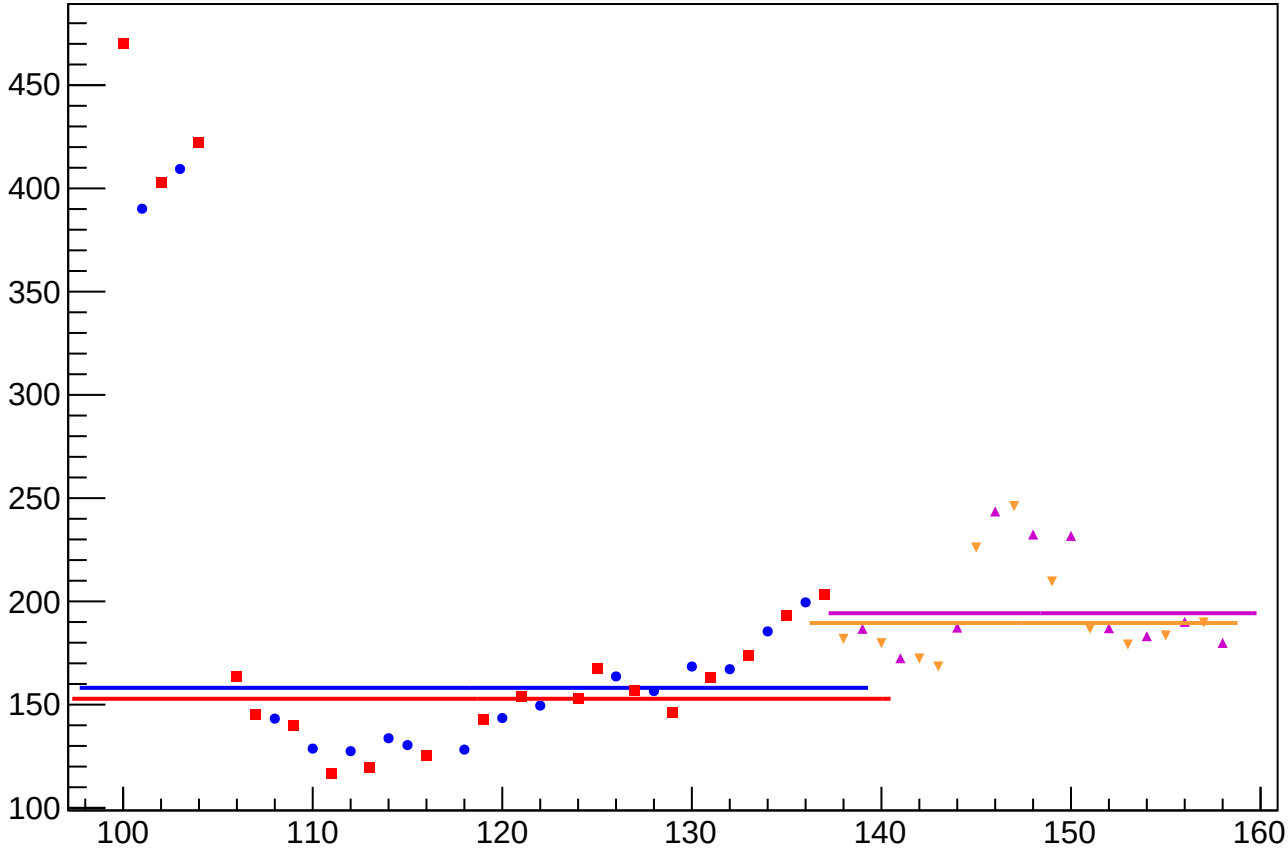
Left In: 153450.682+/-0.067 χ^2/NDF:8296345019.0/9

+ sign 151793.534+/-0.045 χ^2/NDF: 12552477678.

All: 151952.192+/-0.032 χ^2/NDF: 24892660

- sign 152106.263+/-0.045 χ^2/NDF: 12316014528.4

yield_bpm0i01WS_rms vs Slug



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 189.513+/-0.046 χ^2/NDF:192560.7/10

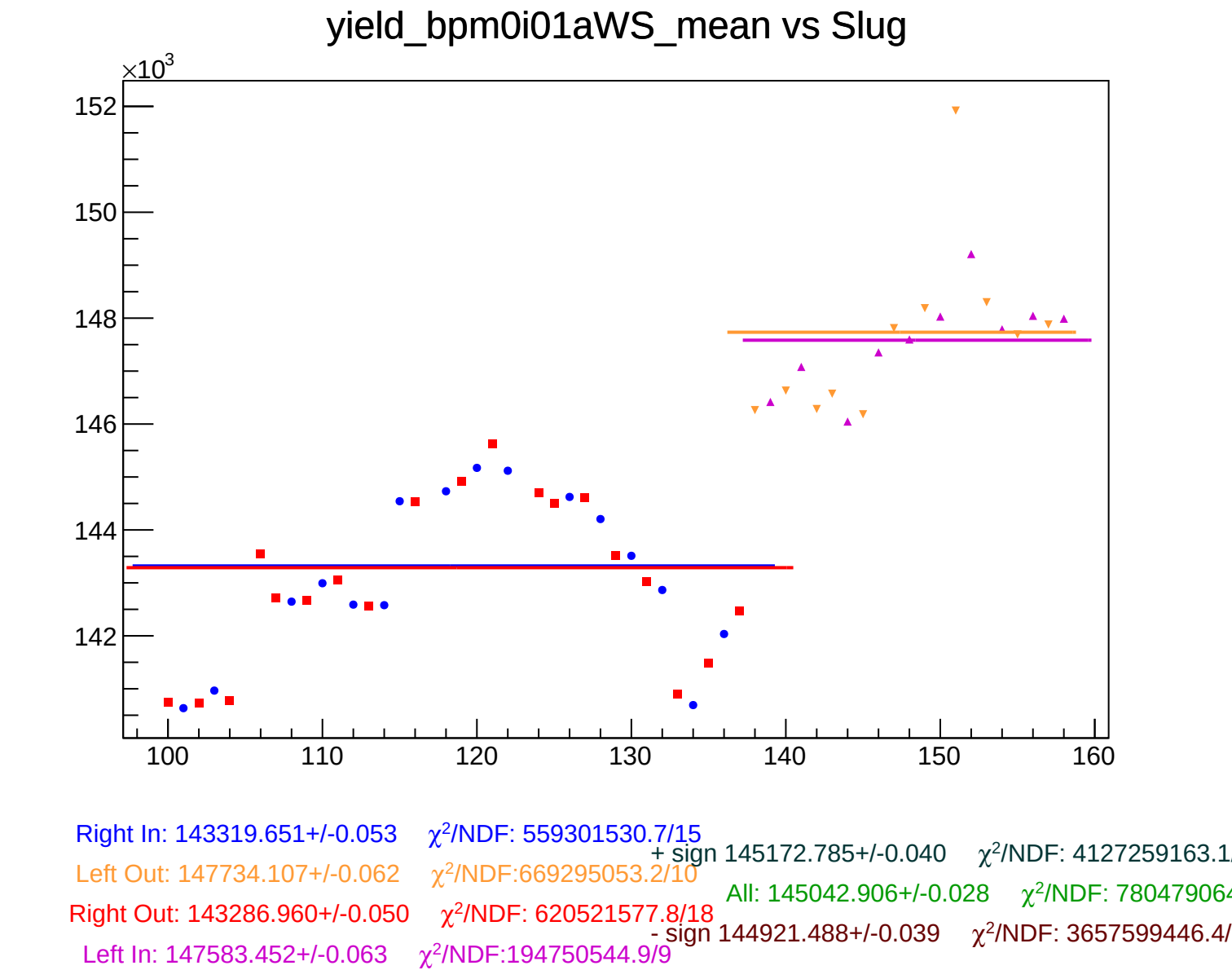
Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 194.265+/-0.047 χ^2/NDF:216917.4/9

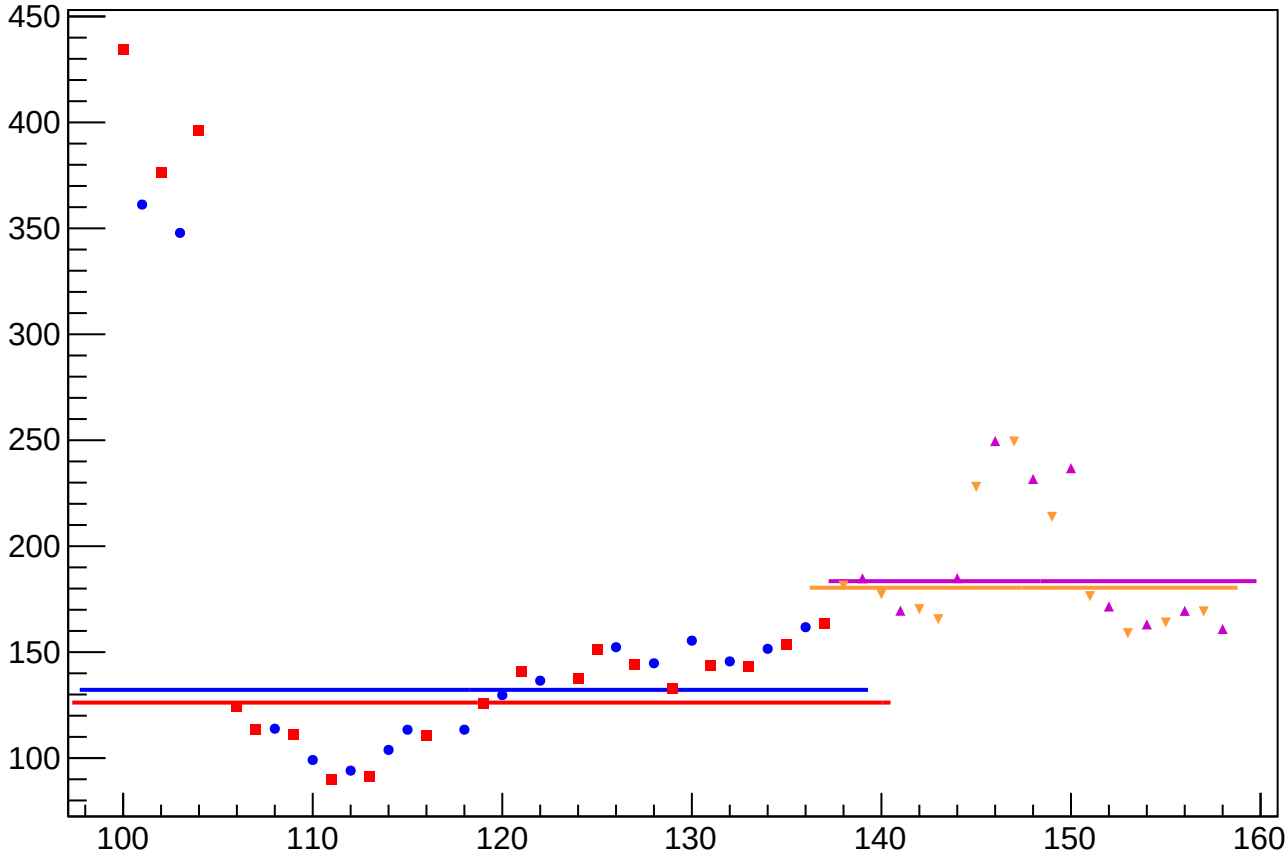
+ sign 173.232+/-0.032 χ^2/NDF: 1627664.5/26

All: 172.286+/-0.022 χ^2/NDF: 3536102.5/55

- sign 171.368+/-0.032 χ^2/NDF: 1906720.8/28


yield_bpm0i01aWS_mean vs Slug
×10^3
152
150
148
146
144
142
100
110
120
130
140
150
160
Right In: 143319.651+/-0.053 χ²/NDF: 559301530.7/15
Left Out: 147734.107+/-0.062 χ²/NDF:669295053.2/10
Right Out: 143286.960+/-0.050 χ²/NDF: 620521577.8/18
Left In: 147583.452+/-0.063 χ²/NDF:194750544.9/9
+ sign 145172.785+/-0.040 χ²/NDF: 4127259163.1
All: 145042.906+/-0.028 χ²/NDF: 78047906
- sign 144921.488+/-0.039 χ²/NDF: 3657599446.4/

yield_bpm0i01aWS_rms vs Slug



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 180.394+/-0.044 χ^2/NDF:305451.8/10

Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 183.501+/-0.045 χ^2/NDF:376093.0/9

+ sign 152.433+/-0.029 χ^2/NDF: 2375456.3/26

All: 150.139+/-0.020 χ^2/NDF: 5320438.8/55

- sign 147.994+/-0.028 χ^2/NDF: 2932538.6/28

Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 120194.299+/-0.060 χ^2/NDF:1719841963.1/10

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

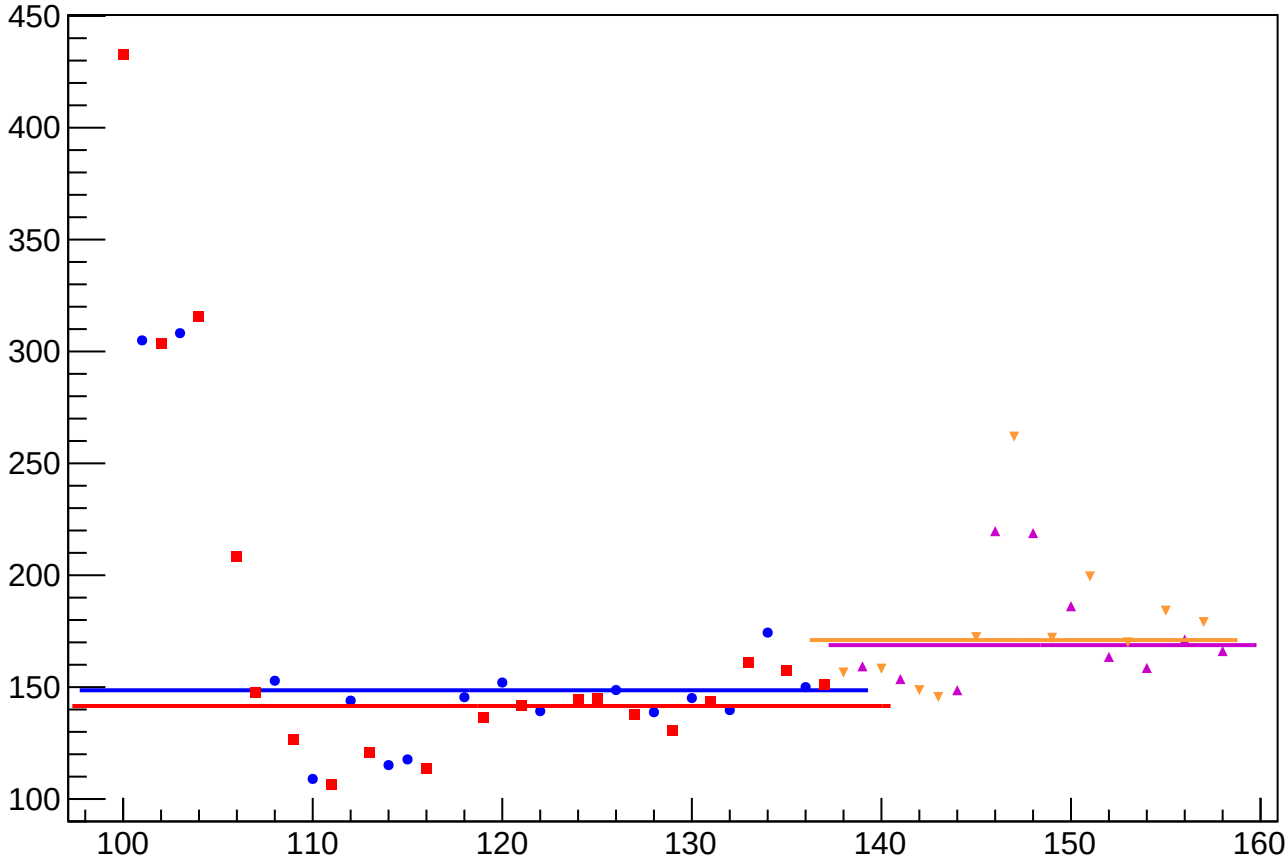
Left In: 120036.200+/-0.059 χ^2/NDF:1132661866.3/9

+ sign 124039.030+/-0.042 χ^2/NDF: 9893721948.9

All: 124087.330+/-0.029 χ^2/NDF: 20336353

- sign 124131.687+/-0.040 χ^2/NDF: 10440069621.4

yield_bpm0l01WS_rms vs Slug



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 171.033+/-0.042 χ^2/NDF:329970.5/10

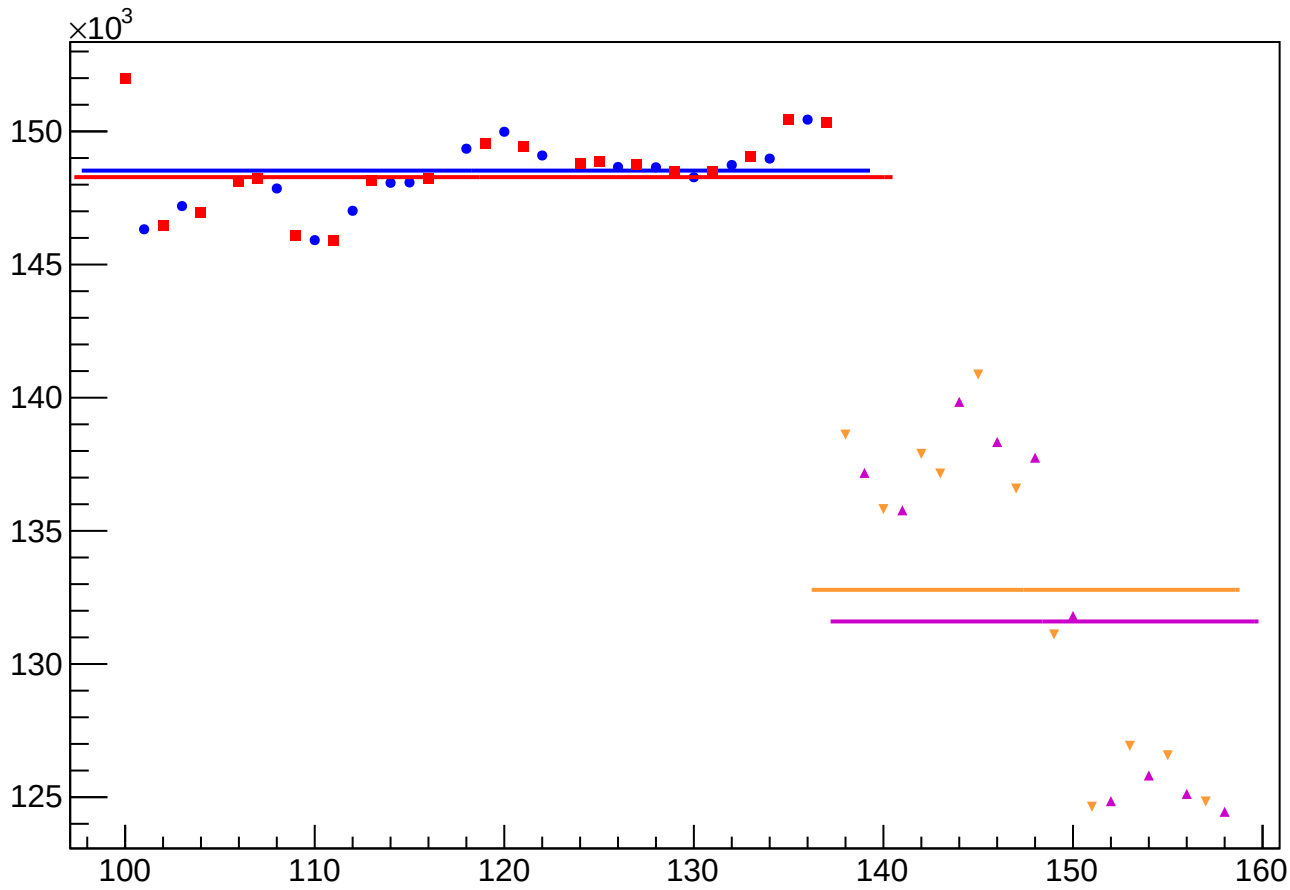
Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 168.776+/-0.041 χ^2/NDF:256143.0/9

+ sign 159.546+/-0.030 χ^2/NDF: 1301723.3/26

All: 156.811+/-0.020 χ^2/NDF: 2805387.6/55

- sign 154.299+/-0.028 χ^2/NDF: 1487229.8/28



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 132785.809+/-0.088 χ^2/NDF:4181590728.1/10

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

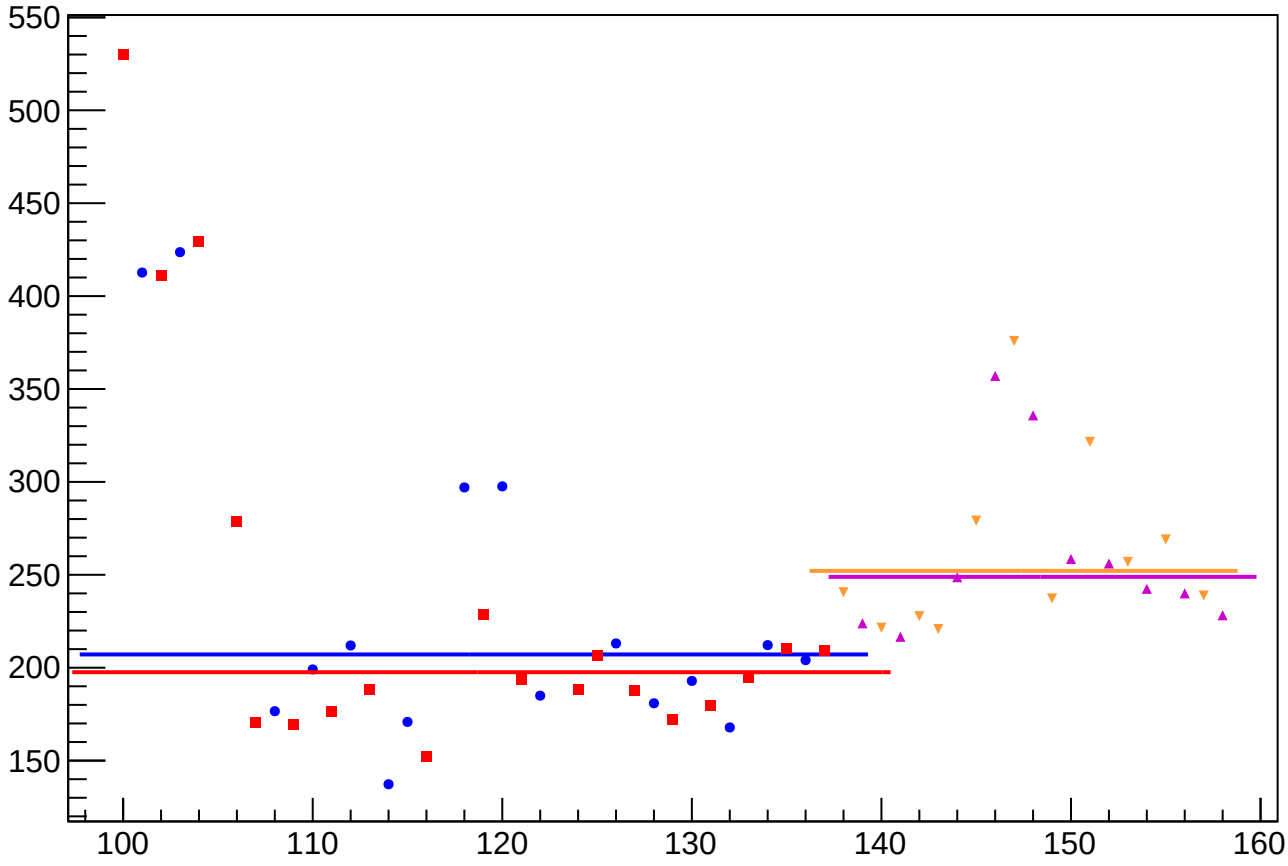
Left In: 131597.965+/-0.086 χ^2/NDF:4913053824.8/9

+ sign 141186.782+/-0.060 χ^2/NDF: 21602008434.

All: 141040.992+/-0.041 χ^2/NDF: 47786403

- sign 140907.758+/-0.057 χ^2/NDF: 26173041869.2

yield_bpm0l02WS_rms vs Slug



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 252.113+/-0.062 χ^2/NDF:361491.7/10

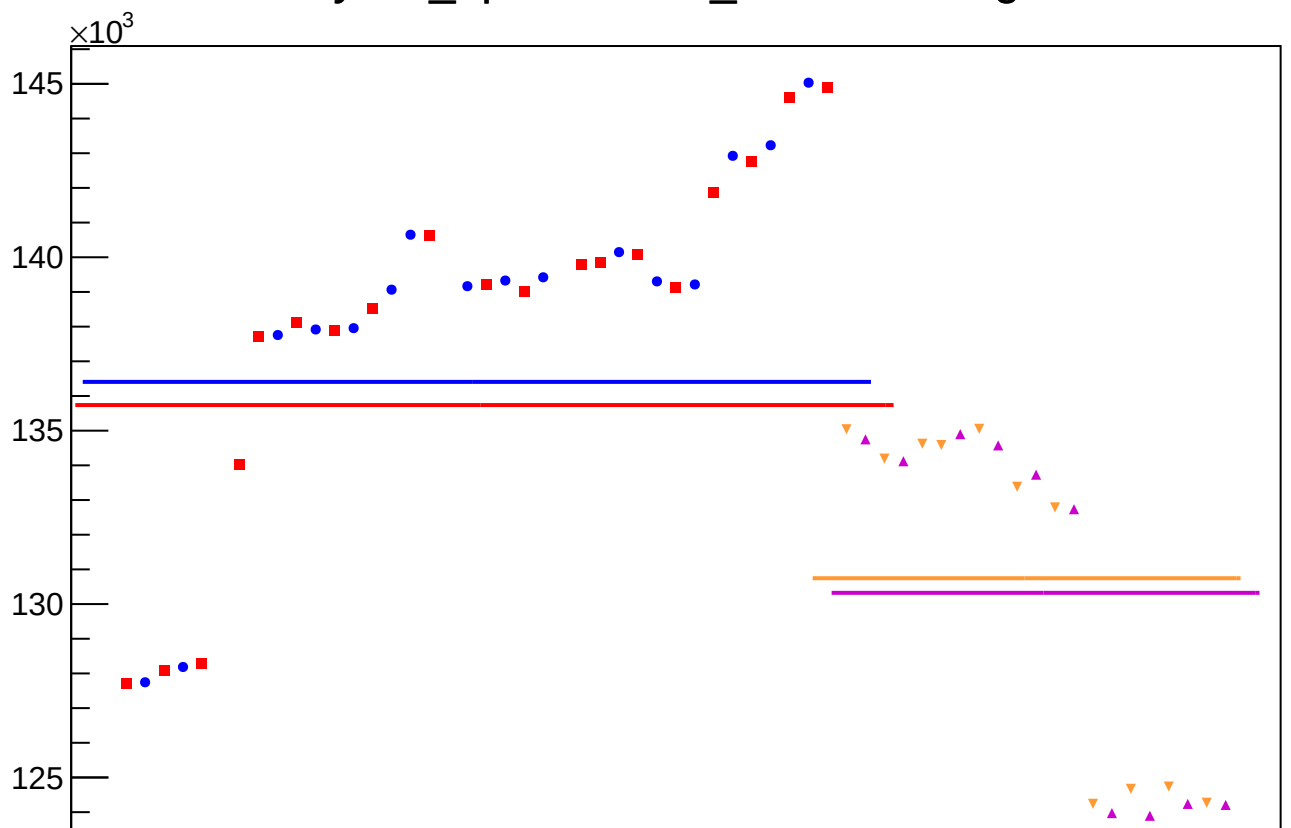
Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 248.893+/-0.061 χ^2/NDF:349392.4/9

+ sign 228.109+/-0.042 χ^2/NDF: 1614719.0/26

All: 224.006+/-0.029 χ^2/NDF: 3282875.4/55

- sign 220.255+/-0.040 χ^2/NDF: 1650165.8/28



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 130745.409+/-0.194 χ^2/NDF:622483690.7/10

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

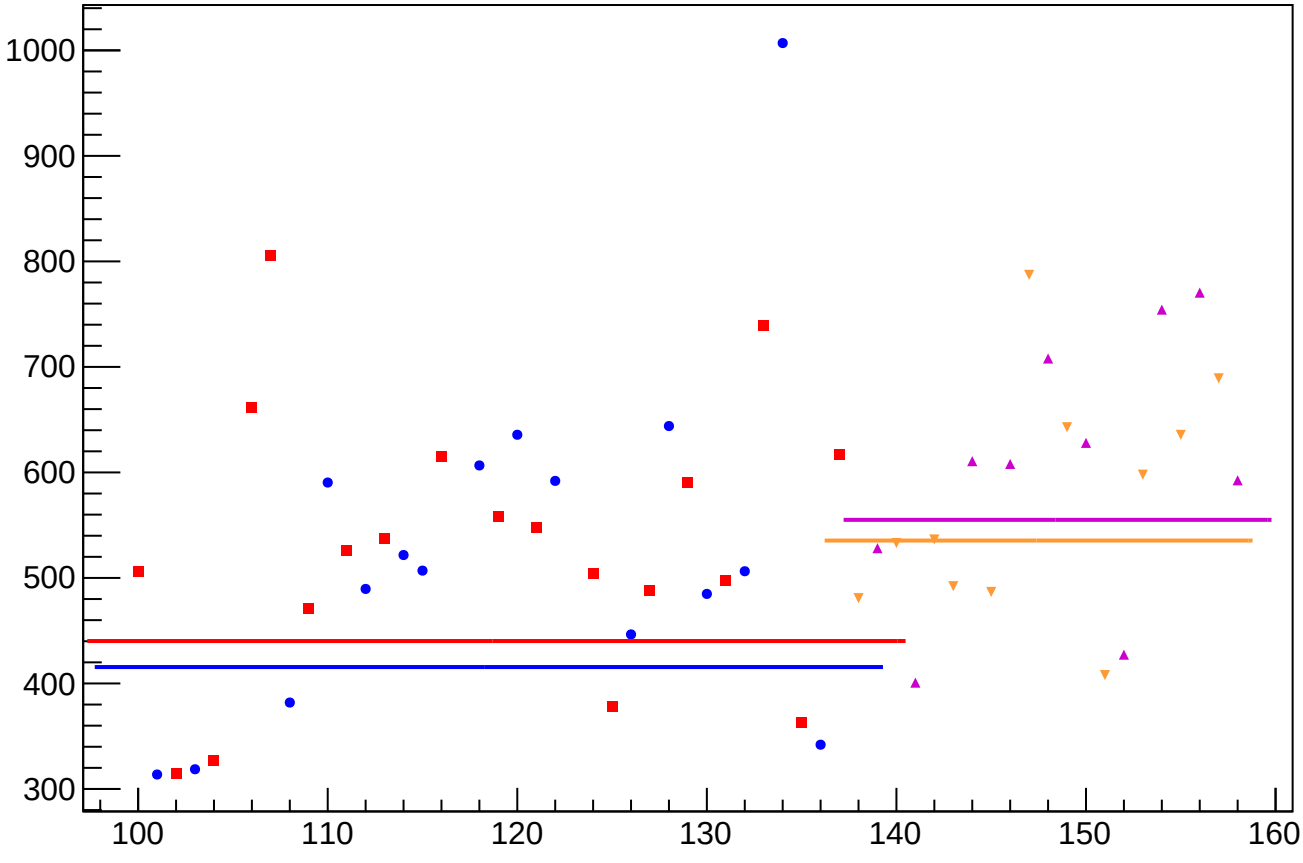
Left In: 130324.111+/-0.207 χ^2/NDF:570881289.6/9

+ sign 133976.413+/-0.127 χ^2/NDF: 2683770441.2

All: 133731.730+/-0.092 χ^2/NDF: 48319648

- sign 133459.064+/-0.134 χ^2/NDF: 2140389114.3/

yield_bpm0l03WS_rms vs Slug



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 535.447+/-0.137 χ^2/NDF:503525.1/10

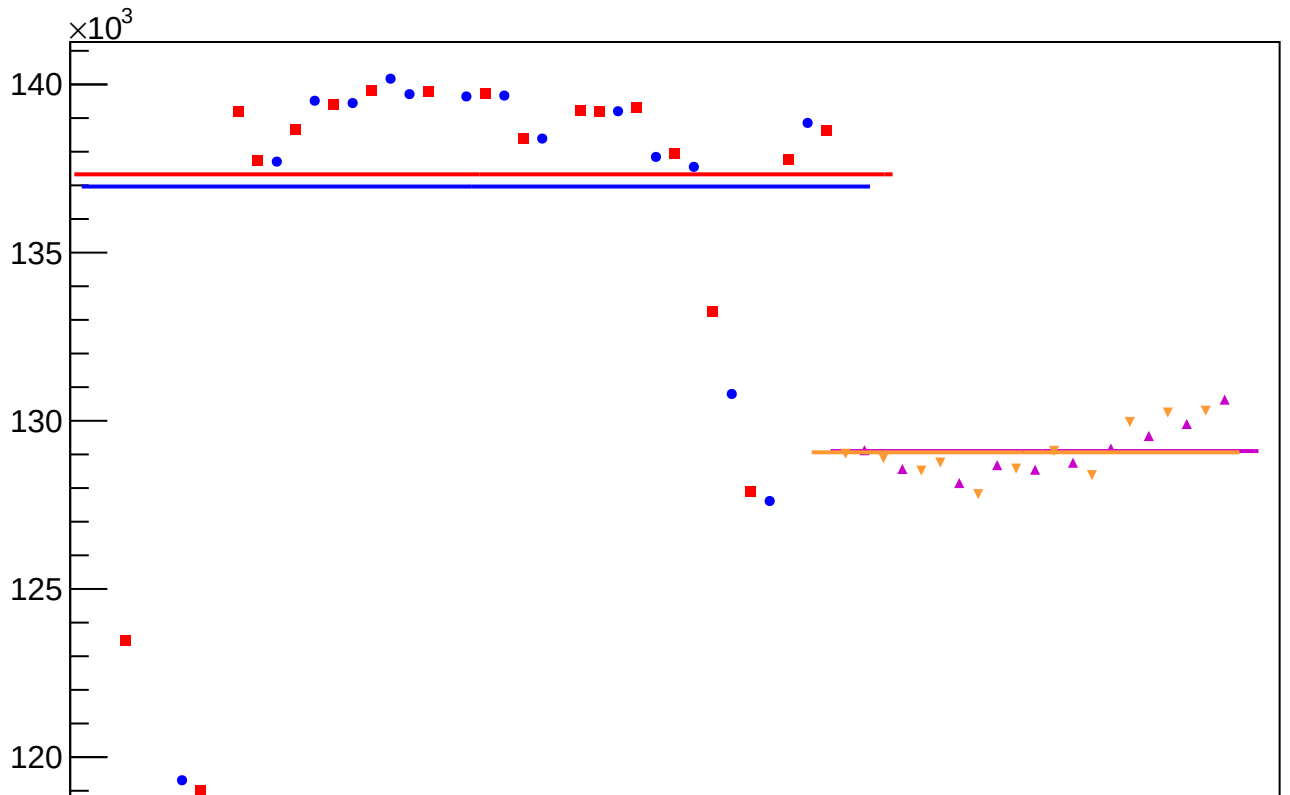
Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 555.057+/-0.147 χ^2/NDF:674714.7/9

+ sign 467.021+/-0.090 χ^2/NDF: 1969474.5/26

All: 477.209+/-0.065 χ^2/NDF: 3937796.5/55

- sign 488.563+/-0.095 χ^2/NDF: 1941254.3/28



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 129062.657+/-0.064 χ^2/NDF:135786900.1/10

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

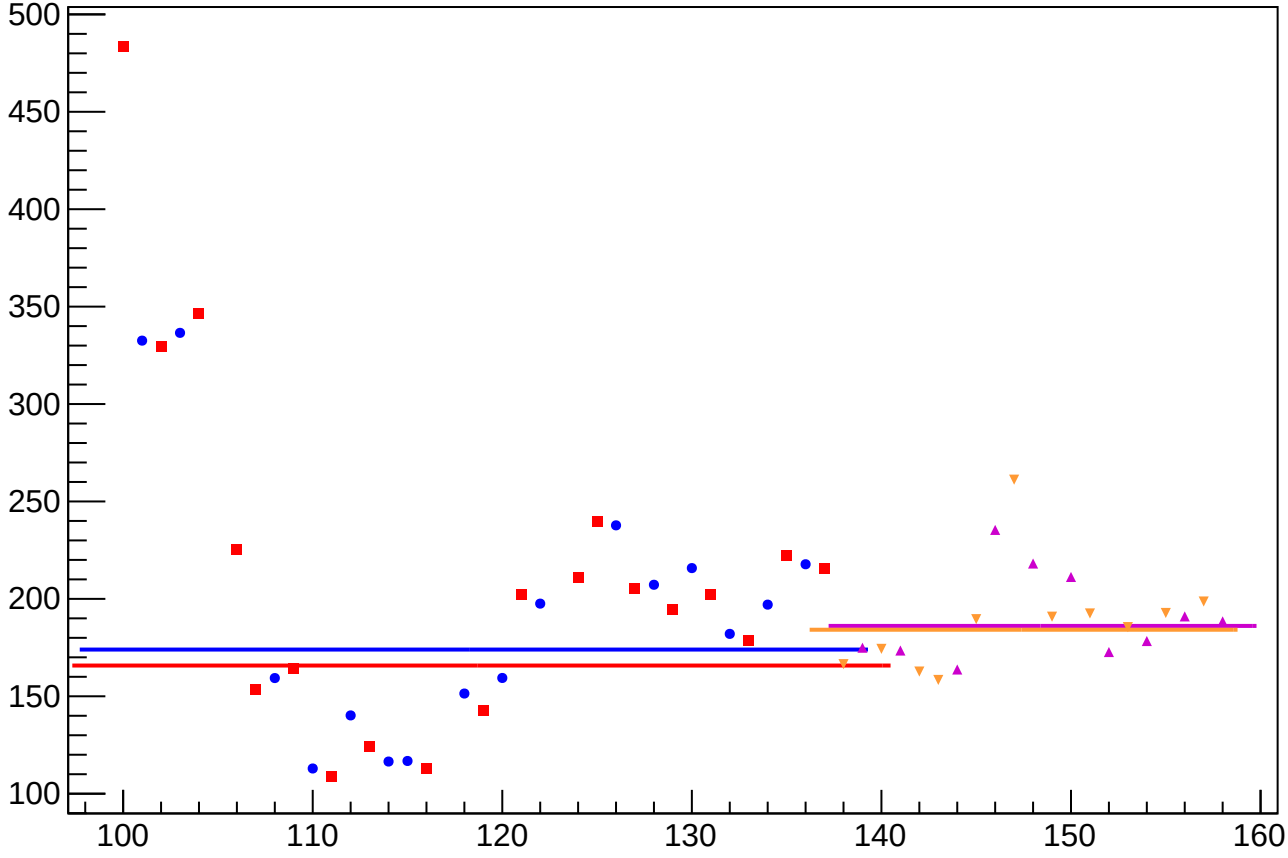
Left In: 129100.259+/-0.064 χ^2/NDF:125032066.8/9

+ sign 132666.726+/-0.047 χ^2/NDF: 12929699085.

All: 132900.062+/-0.033 χ^2/NDF: 26874243

- sign 133121.594+/-0.046 χ^2/NDF: 13896678442.

yield_bpm0l04WS_rms vs Slug



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 184.157+/-0.045 χ^2/NDF:239441.6/10

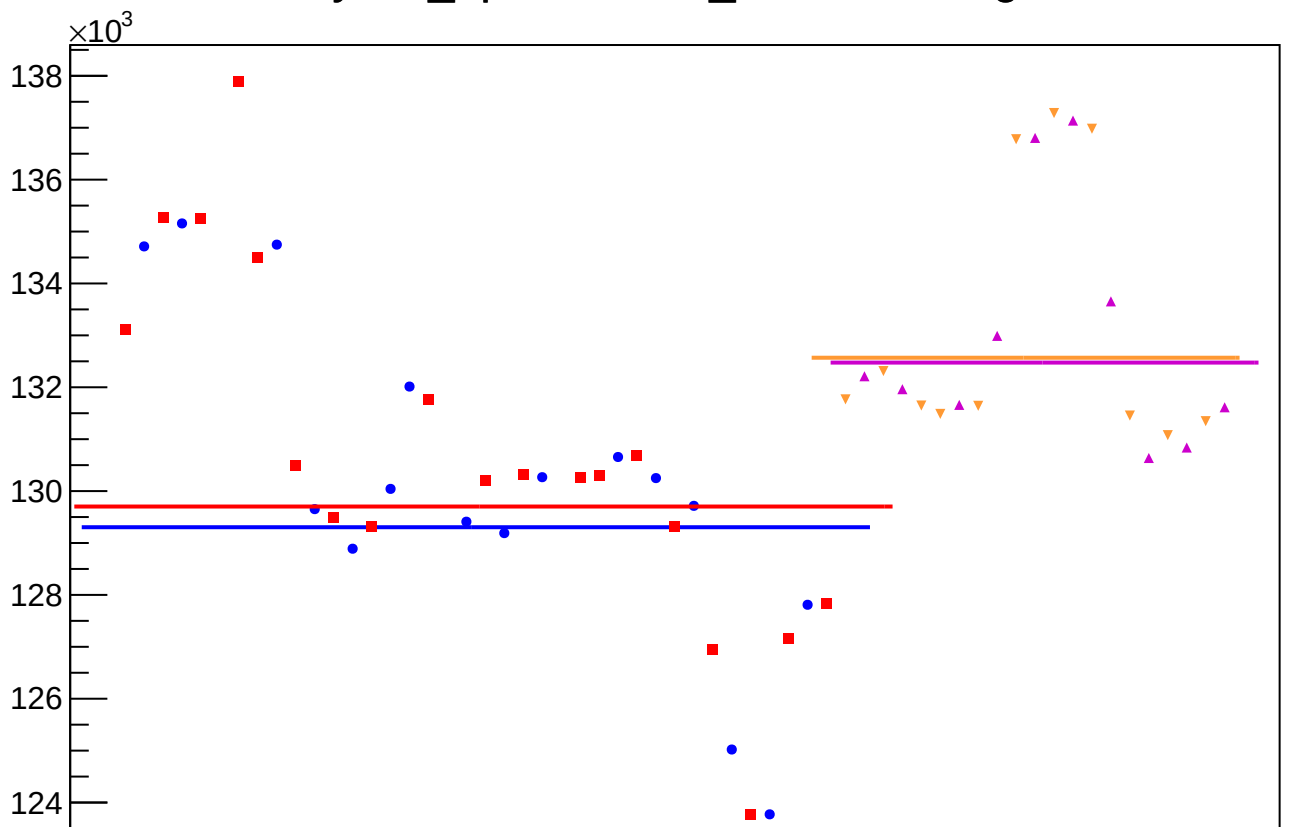
Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 186.116+/-0.045 χ^2/NDF:200596.8/9

+ sign 179.516+/-0.033 χ^2/NDF: 1451102.4/26

All: 177.803+/-0.023 χ^2/NDF: 3188186.9/55

- sign 176.176+/-0.032 χ^2/NDF: 1731921.7/28



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 132569.271+/-0.065 χ^2/NDF:1051133937.3/10

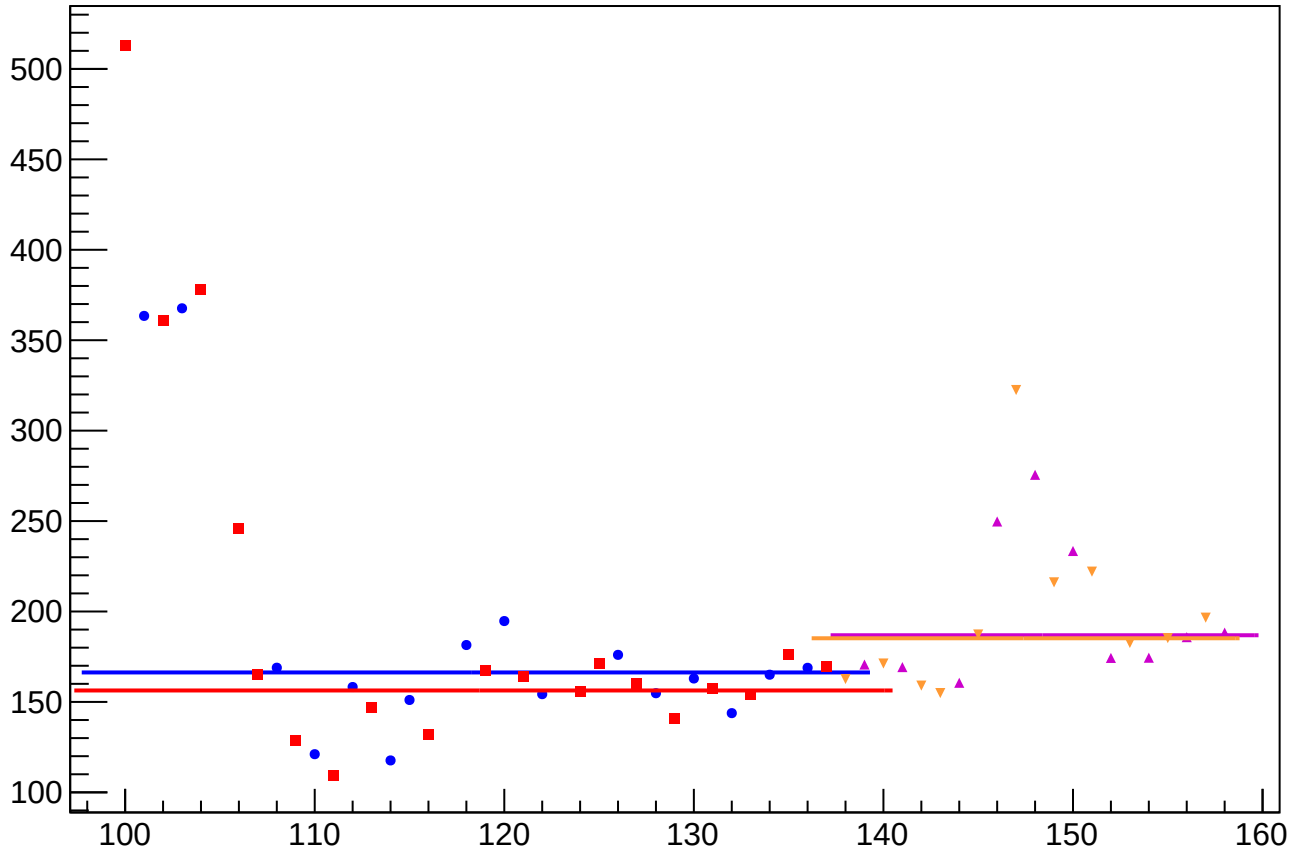
Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

Left In: 132475.592+/-0.065 χ^2/NDF:799715668.7/9

+ sign 130968.428+/-0.046 χ^2/NDF: 3941584265.1

All: 130991.838+/-0.032 χ^2/NDF: 74793889

- sign 131013.596+/-0.045 χ^2/NDF: 3537312545.6/



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 185.197+/-0.046 χ^2/NDF:502340.8/10

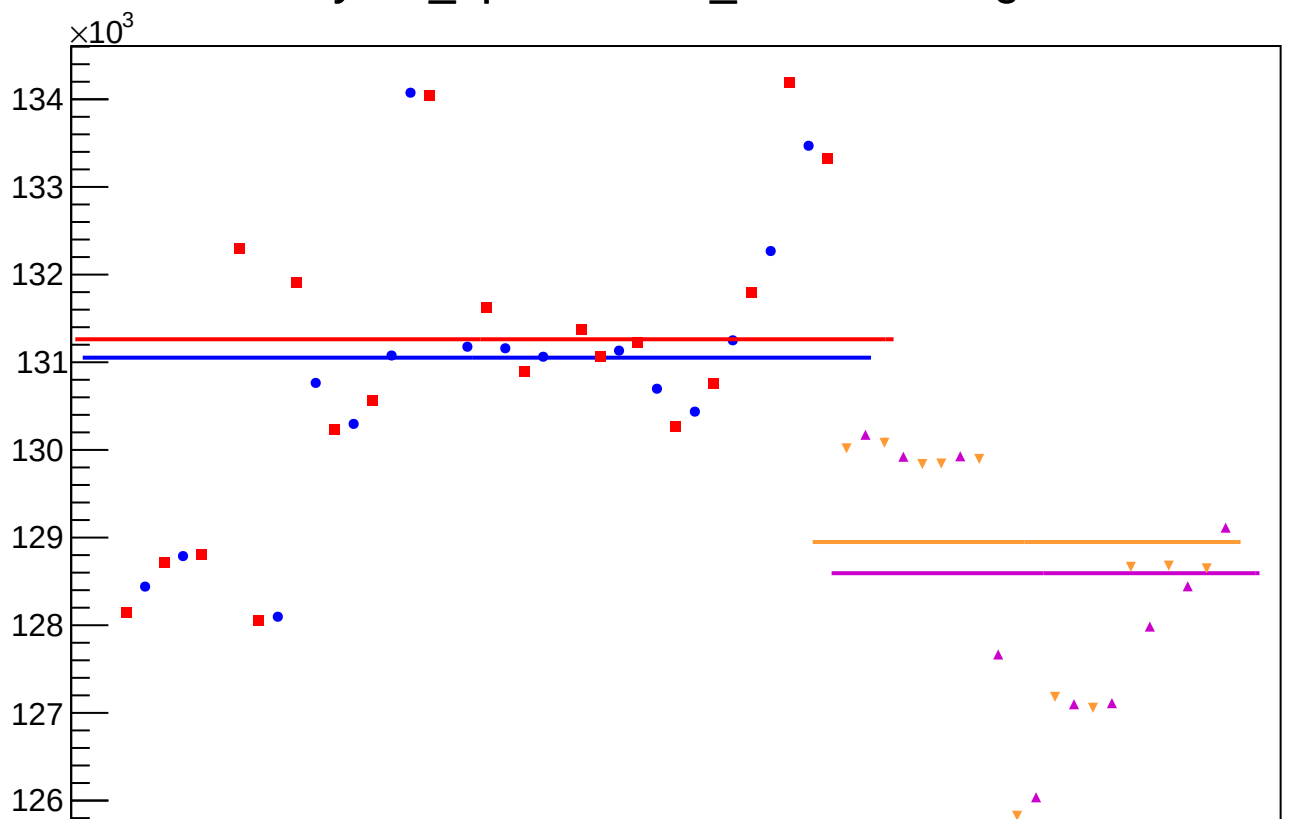
Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 186.872+/-0.046 χ^2/NDF:446886.2/9

+ sign 175.934+/-0.033 χ^2/NDF: 1523342.2/26

All: 173.258+/-0.023 χ^2/NDF: 3388734.8/55

- sign 170.772+/-0.032 χ^2/NDF: 1852533.9/28



Right In: 131052.422+/-0.061 χ^2/NDF: 523713045.8/15

Left Out: 128949.370+/-0.061 χ^2/NDF:405547724.5/10

Right Out: 131262.232+/-0.057 χ^2/NDF: 604278186.1/18

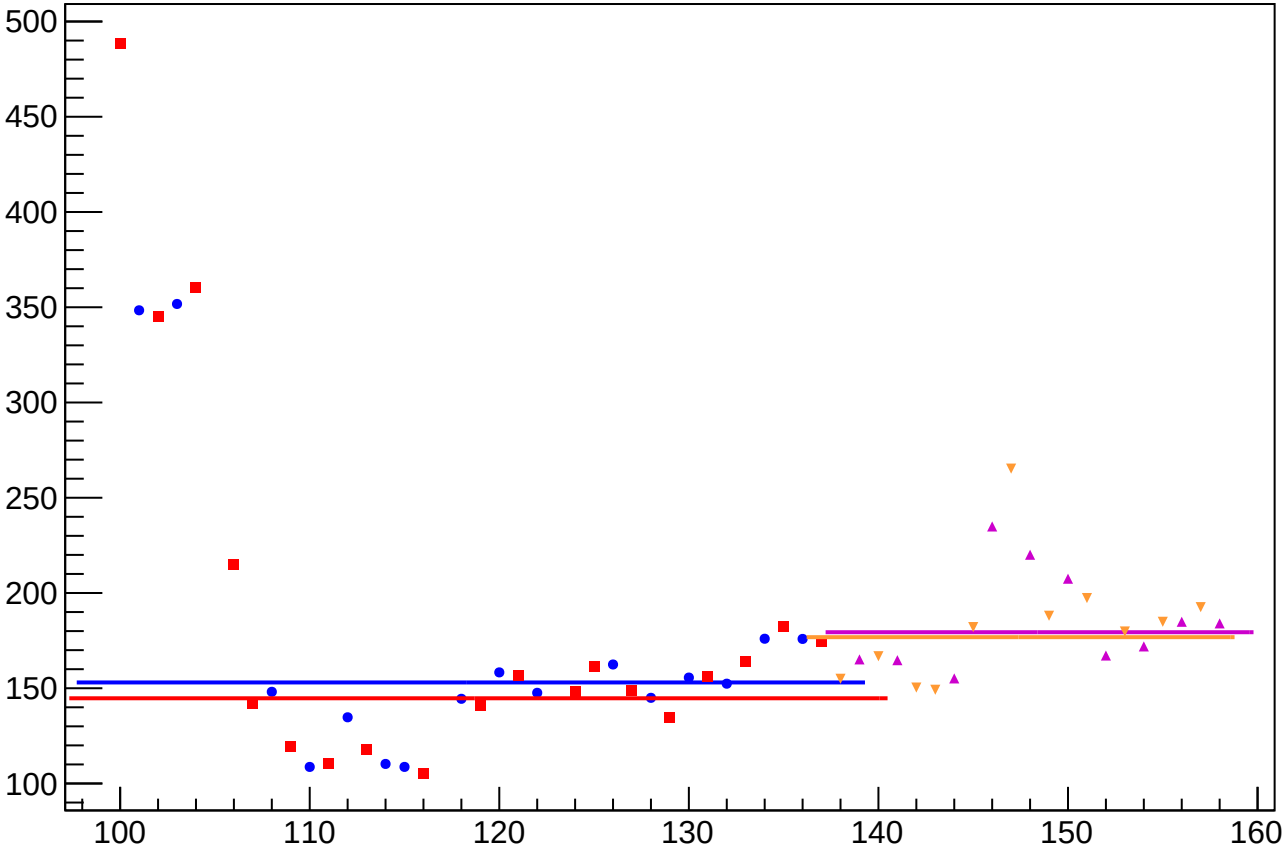
Left In: 128593.640+/-0.062 χ^2/NDF:451072380.9/9

+ sign 130015.213+/-0.043 χ^2/NDF: 1522448792.3

All: 130031.566+/-0.030 χ^2/NDF: 35881600

- sign 130046.910+/-0.042 χ^2/NDF: 2065433158.6/

yield_bpm0l06WS_rms vs Slug



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 176.810+/-0.043 χ^2/NDF:338038.2/10

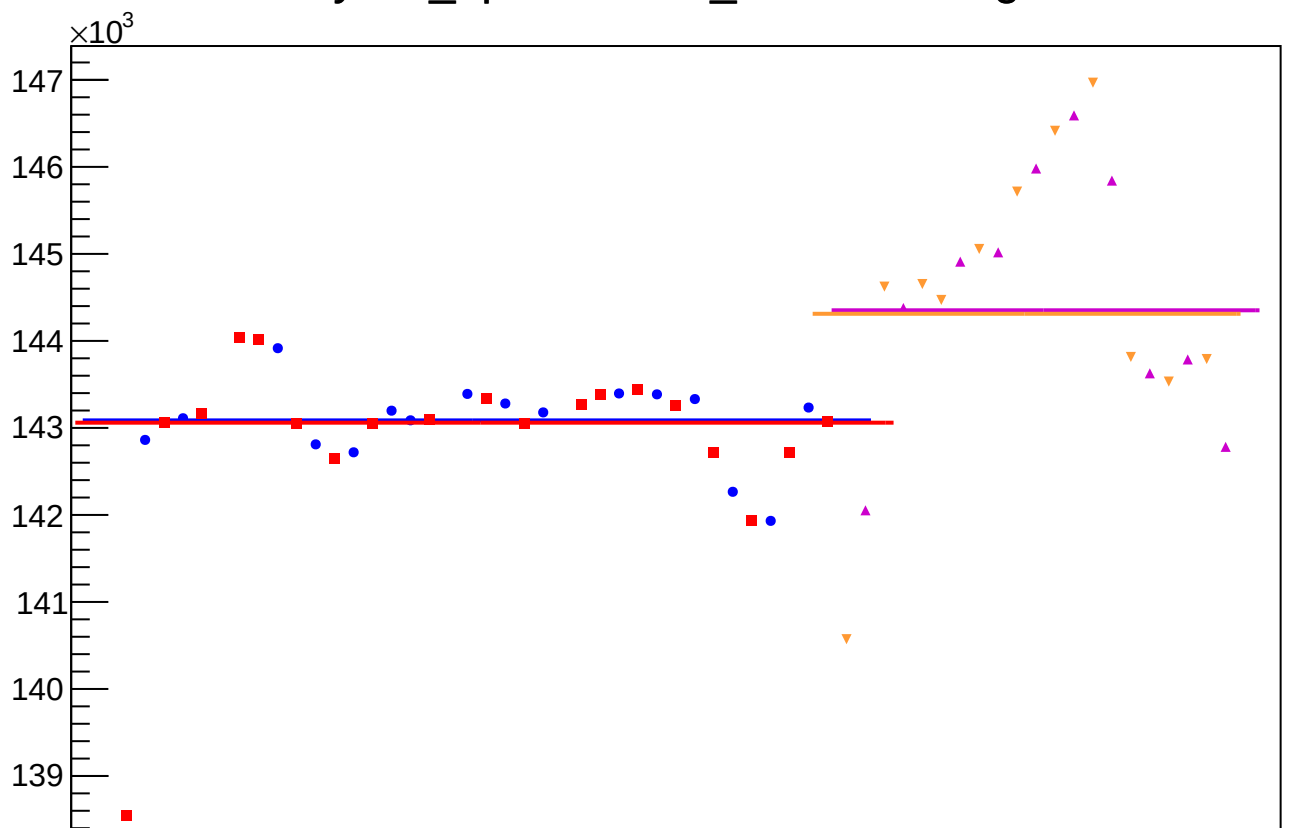
Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 179.410+/-0.044 χ^2/NDF:269612.4/9

+ sign 164.765+/-0.031 χ^2/NDF: 1549035.7/26

All: 162.577+/-0.021 χ^2/NDF: 3433187.5/55

- sign 160.524+/-0.030 χ^2/NDF: 1874195.7/28



Right In: 143086.477+/-0.065 χ^2/NDF: 46726277.8/15

Left Out: 144311.684+/-0.072 χ^2/NDF:566663109.1/10

Right Out: 143060.268+/-0.061 χ^2/NDF: 51715744.7/18

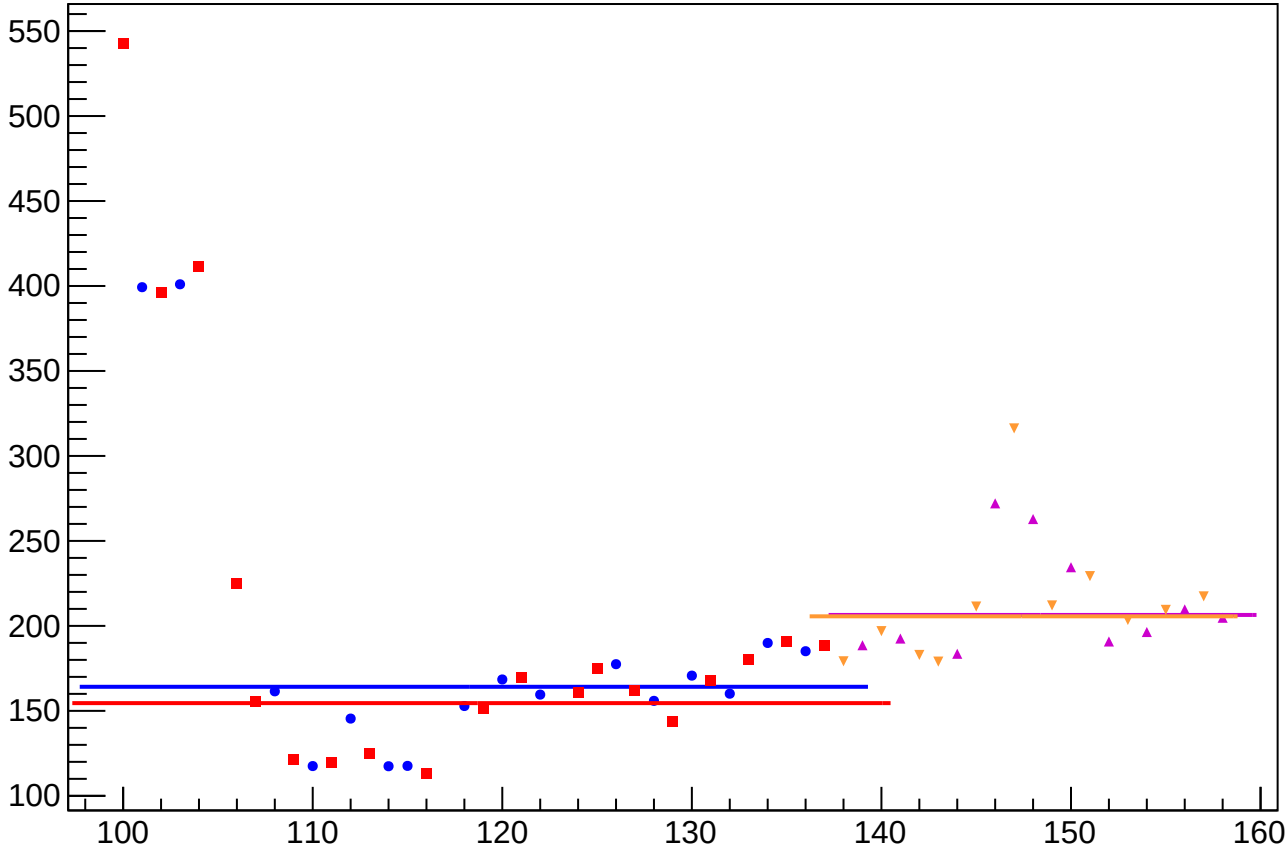
Left In: 144351.800+/-0.071 χ^2/NDF:368914894.6/9

+ sign 143640.503+/-0.048 χ^2/NDF: 773640138.3/2

All: 143620.365+/-0.033 χ^2/NDF: 13847185

- sign 143601.824+/-0.046 χ^2/NDF: 610742743.2/2

yield_bpm0l07WS_rms vs Slug



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 205.626+/-0.051 χ^2/NDF:309501.0/10

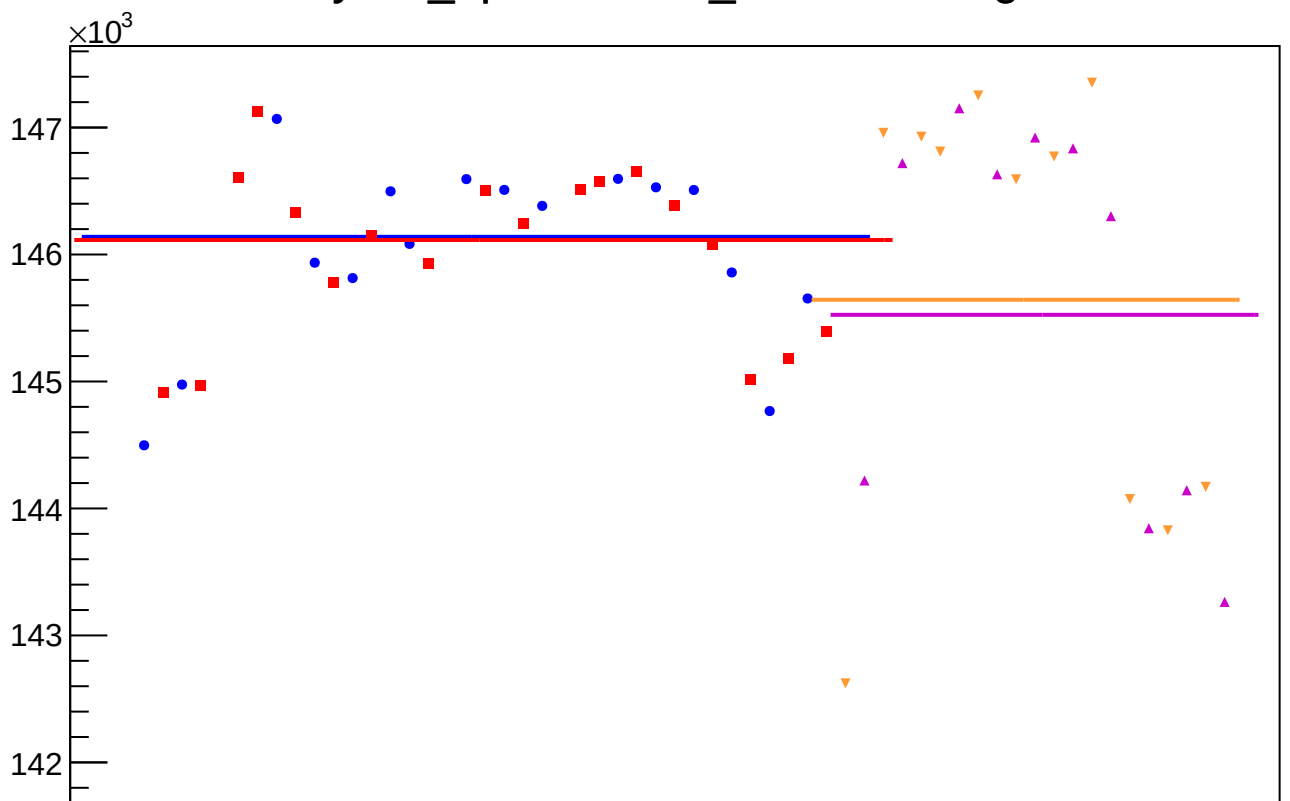
Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 206.439+/-0.050 χ^2/NDF:268997.5/9

+ sign 182.914+/-0.034 χ^2/NDF: 1806265.9/26

All: 179.477+/-0.024 χ^2/NDF: 4075207.3/55

- sign 176.312+/-0.033 χ^2/NDF: 2249382.8/28



Right In: 146139.237+/-0.067 χ^2/NDF: 71721843.8/15

Left Out: 145643.474+/-0.071 χ^2/NDF:577251666.1/10

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

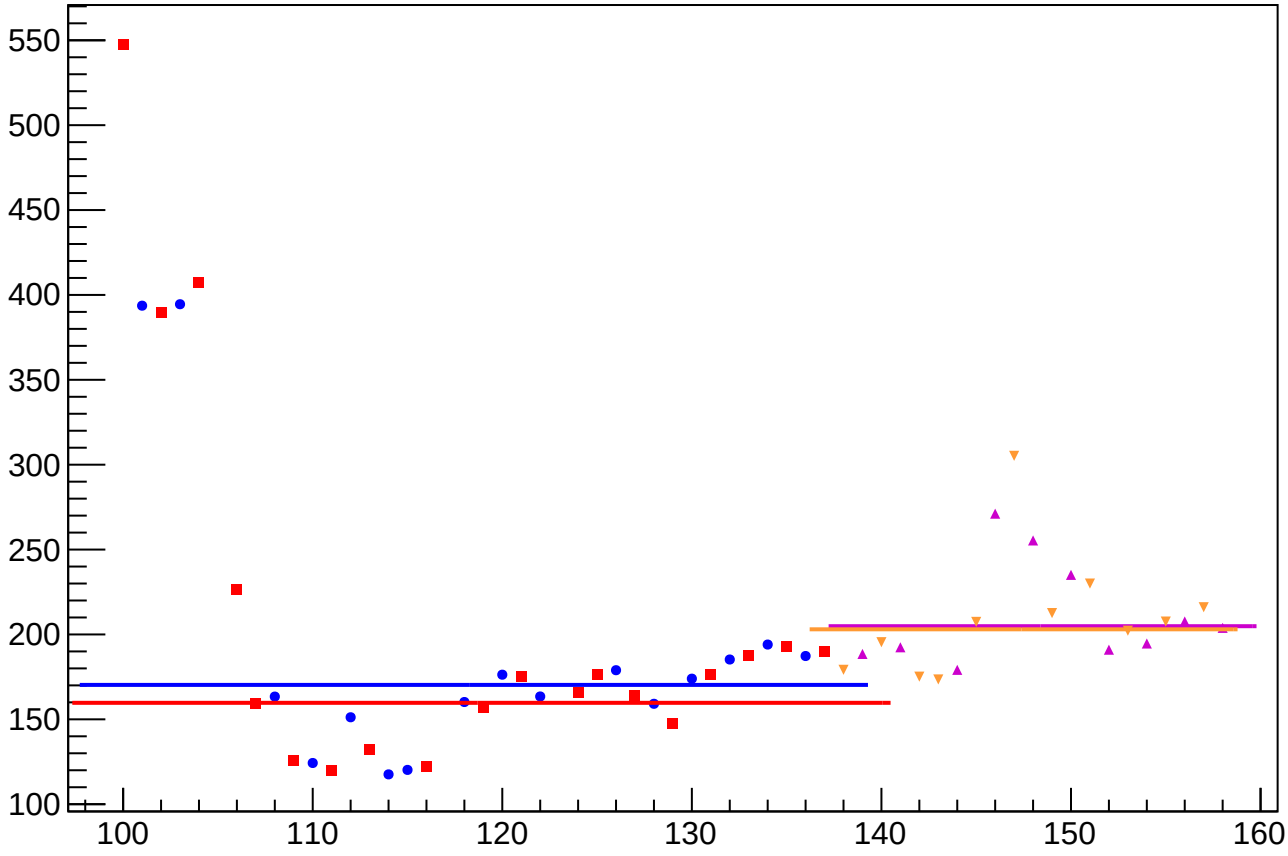
Left In: 145524.988+/-0.071 χ^2/NDF:431755661.5/9

+ sign 145903.083+/-0.049 χ^2/NDF: 674751973.1/2

All: 145878.895+/-0.034 χ^2/NDF: 12190256

- sign 145856.562+/-0.047 χ^2/NDF: 543800542.8/2

yield_bpm0l08WS_rms vs Slug



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 203.024+/-0.050 χ^2/NDF:313047.2/10

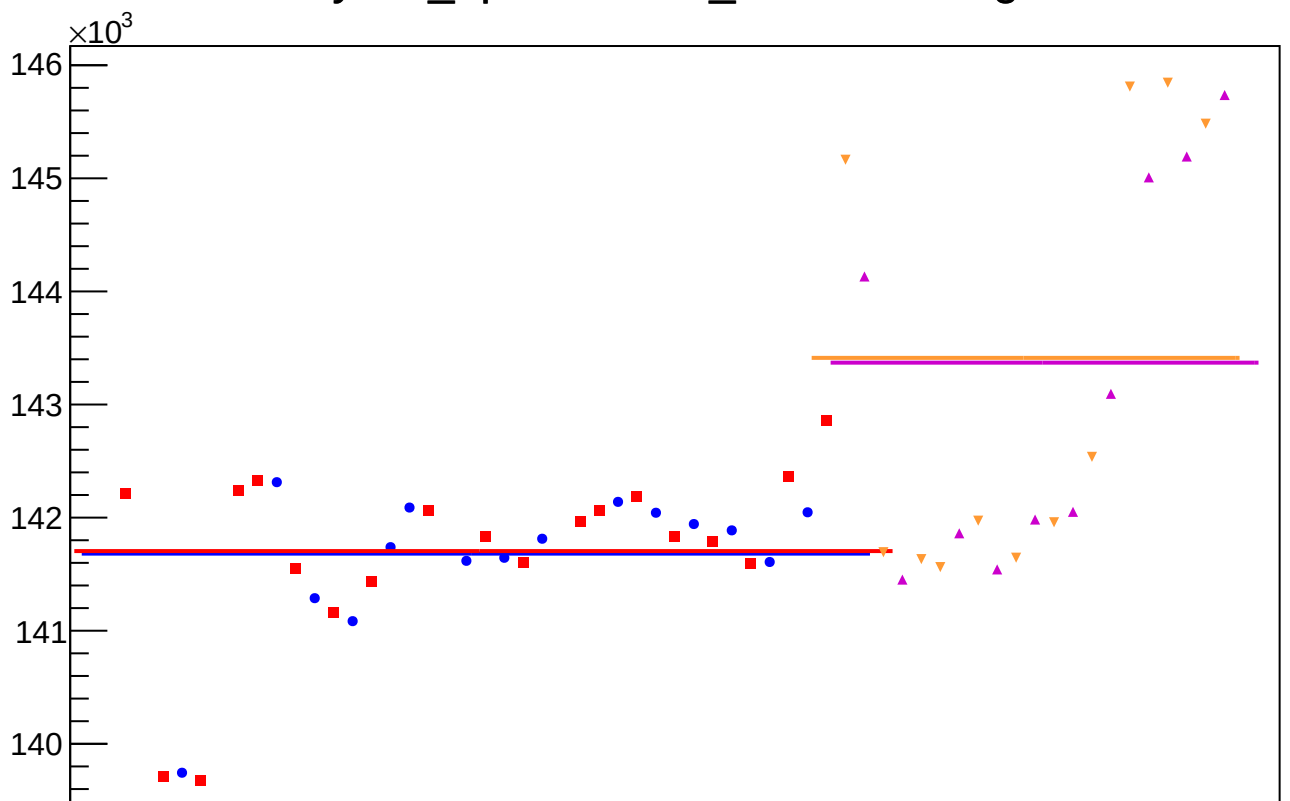
Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 204.862+/-0.050 χ^2/NDF:266143.6/9

+ sign 185.877+/-0.034 χ^2/NDF: 1595602.1/26

All: 182.547+/-0.024 χ^2/NDF: 3627656.9/55

- sign 179.472+/-0.033 χ^2/NDF: 2014118.5/28



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 143412.580+/-0.075 χ^2/NDF:593722246.4/10

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

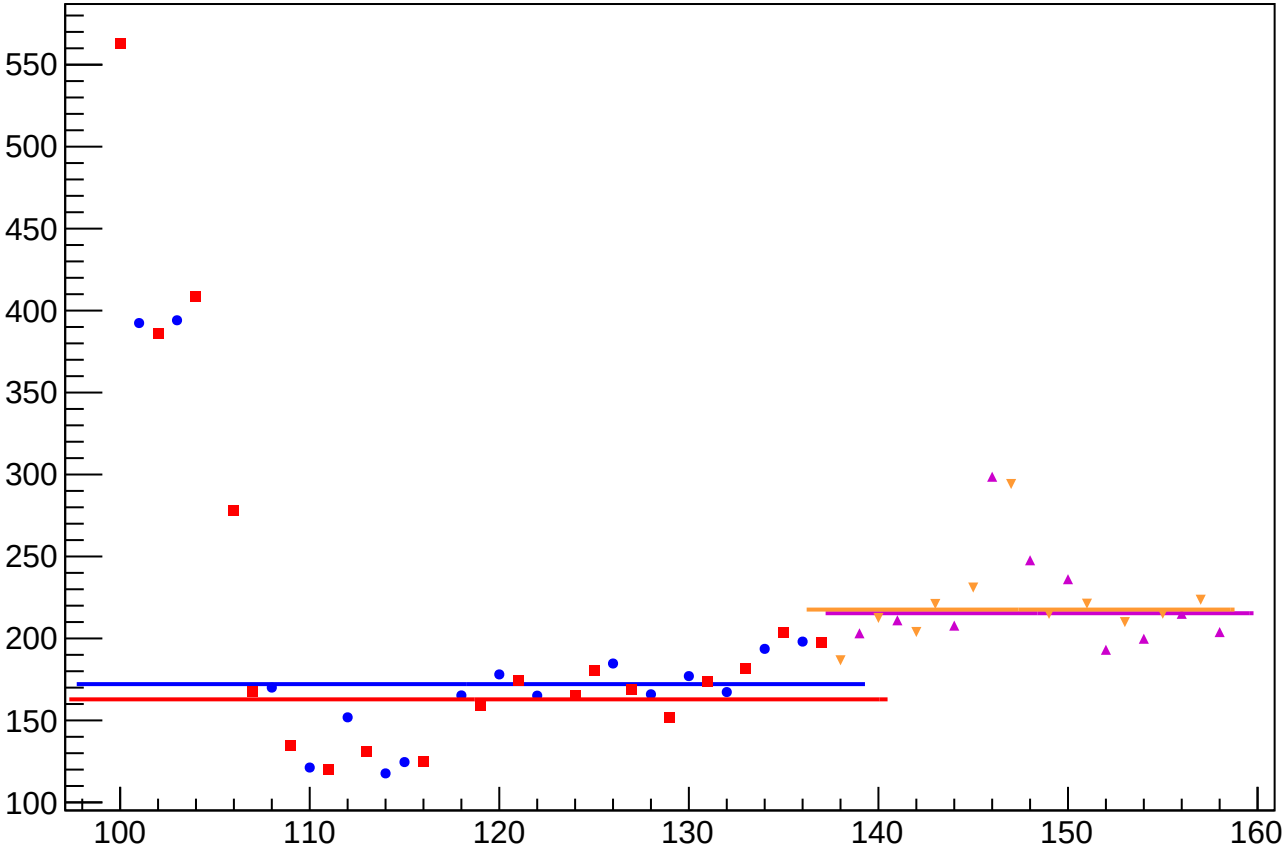
Left In: 143370.204+/-0.074 χ^2/NDF:447762560.4/9

+ sign 142463.228+/-0.051 χ^2/NDF: 948174285.9/2

All: 142435.346+/-0.035 χ^2/NDF: 17508944

- sign 142409.760+/-0.048 χ^2/NDF: 802137015.0/2

yield_bpm0l09WS_rms vs Slug



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 217.613+/-0.053 χ^2/NDF:167805.7/10

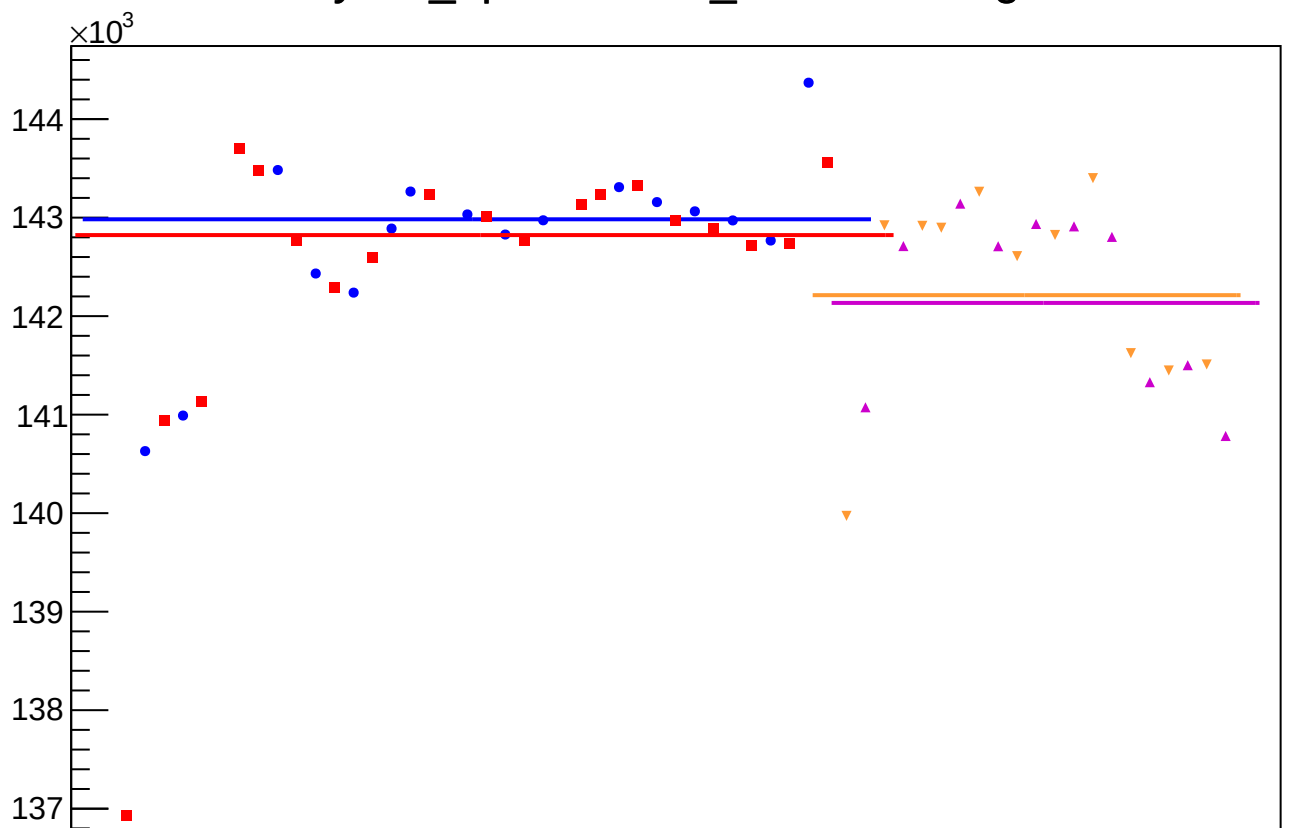
Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 215.387+/-0.053 χ^2/NDF:223392.5/9

+ sign 192.669+/-0.036 χ^2/NDF: 1637020.3/26

All: 188.721+/-0.025 χ^2/NDF: 3764248.8/55

- sign 185.097+/-0.034 χ^2/NDF: 2103835.1/28



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 142212.854+/-0.069 χ^2/NDF:237517393.1/10

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

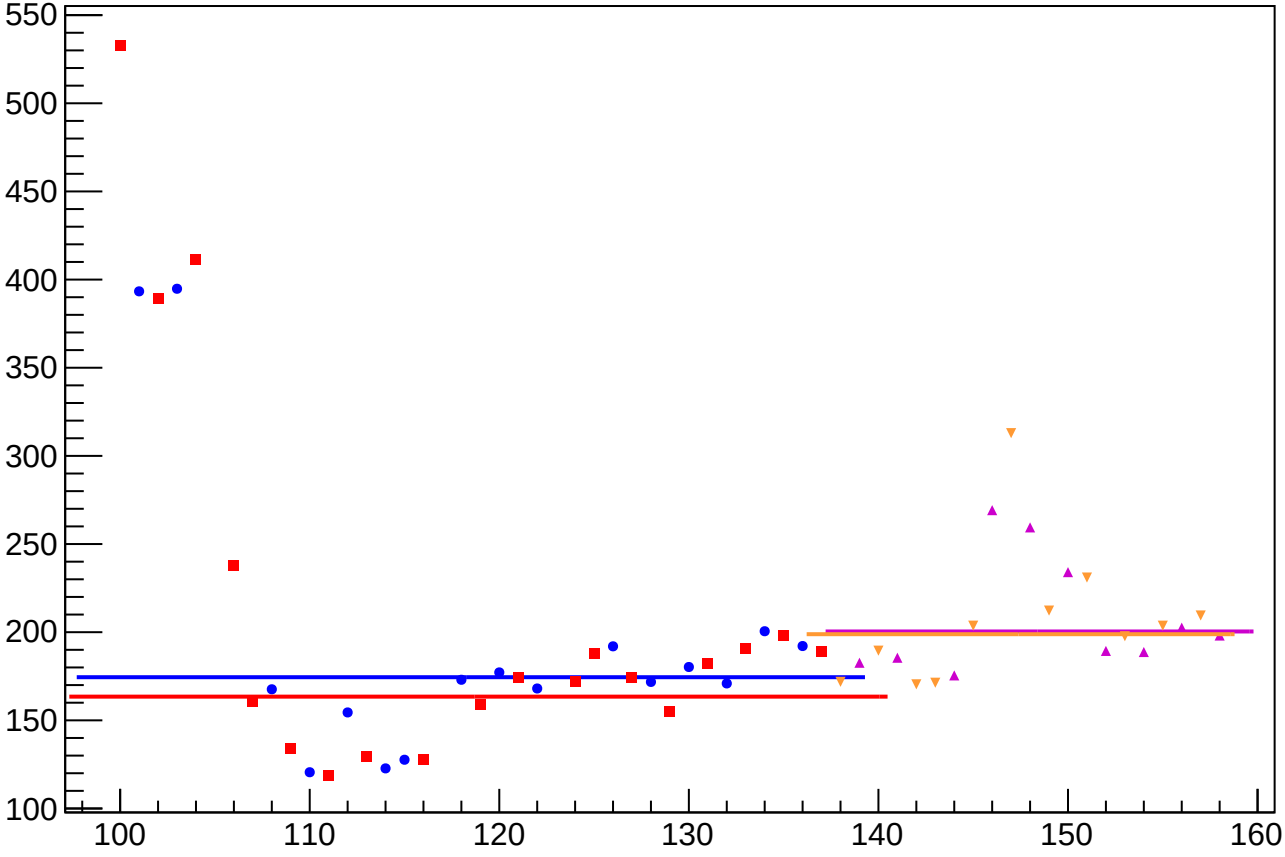
Left In: 142134.127+/-0.069 χ^2/NDF:161379614.9/9

+ sign 142598.657+/-0.049 χ^2/NDF: 407188283.1/2

All: 142550.361+/-0.034 χ^2/NDF: 68726865

- sign 142505.702+/-0.047 χ^2/NDF: 278204046.3/2

yield_bpm0l10WS_rms vs Slug



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 198.862+/-0.049 χ^2/NDF:367637.3/10

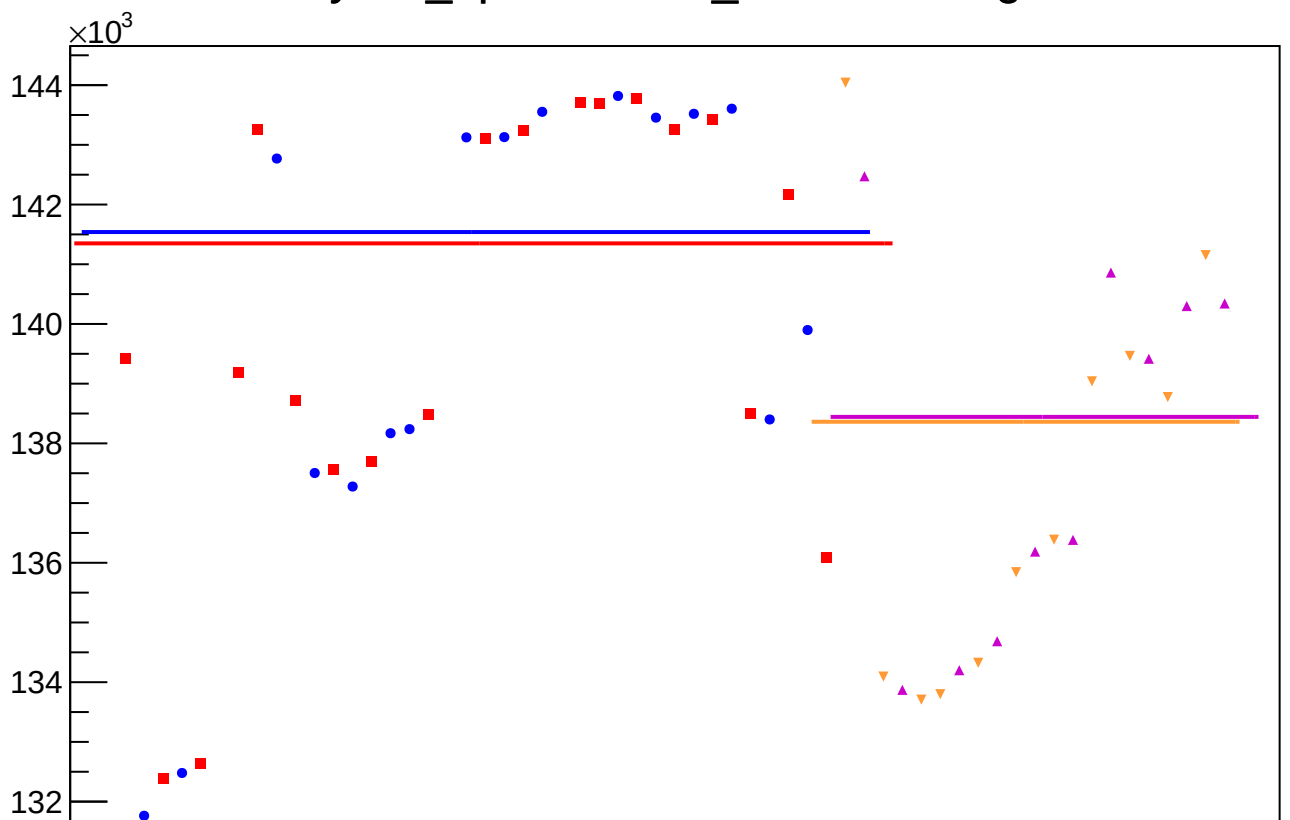
Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 200.409+/-0.049 χ^2/NDF:309253.8/9

+ sign 186.642+/-0.035 χ^2/NDF: 1541132.0/26

All: 183.432+/-0.024 χ^2/NDF: 3456240.9/55

- sign 180.465+/-0.033 χ^2/NDF: 1898537.7/28



Right In: 141539.467+/-0.101 χ^2/NDF: 947743743.7/15

Left Out: 138361.881+/-0.108 χ^2/NDF:1178594480.4/10

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

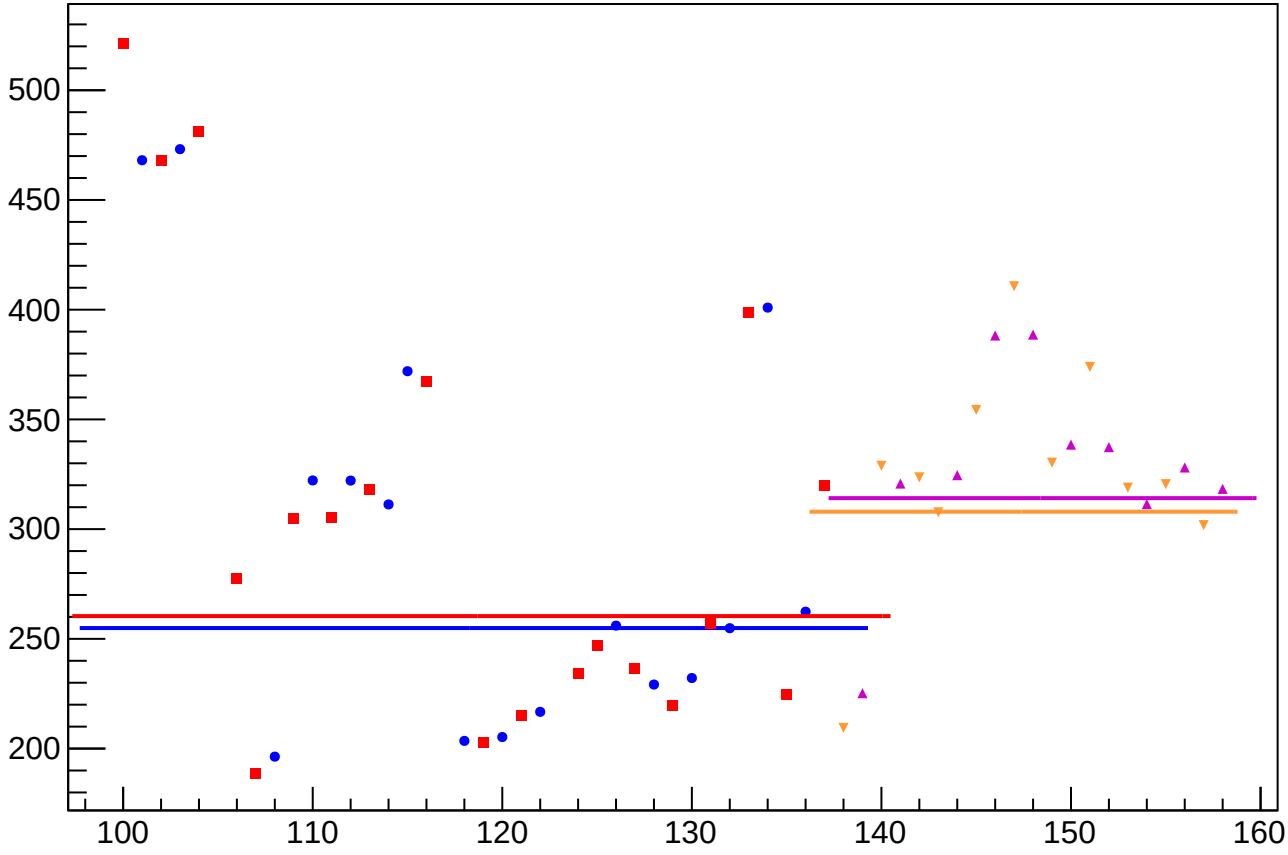
Left In: 138443.475+/-0.110 χ^2/NDF:822908380.9/9

+ sign 140063.557+/-0.074 χ^2/NDF: 2587809617.9

All: 140039.492+/-0.052 χ^2/NDF: 47173285

- sign 140015.072+/-0.074 χ^2/NDF: 2129304557.0/

yield_bpm0r03WS_rms vs Slug



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 307.937+/-0.077 χ^2/NDF:532521.3/10

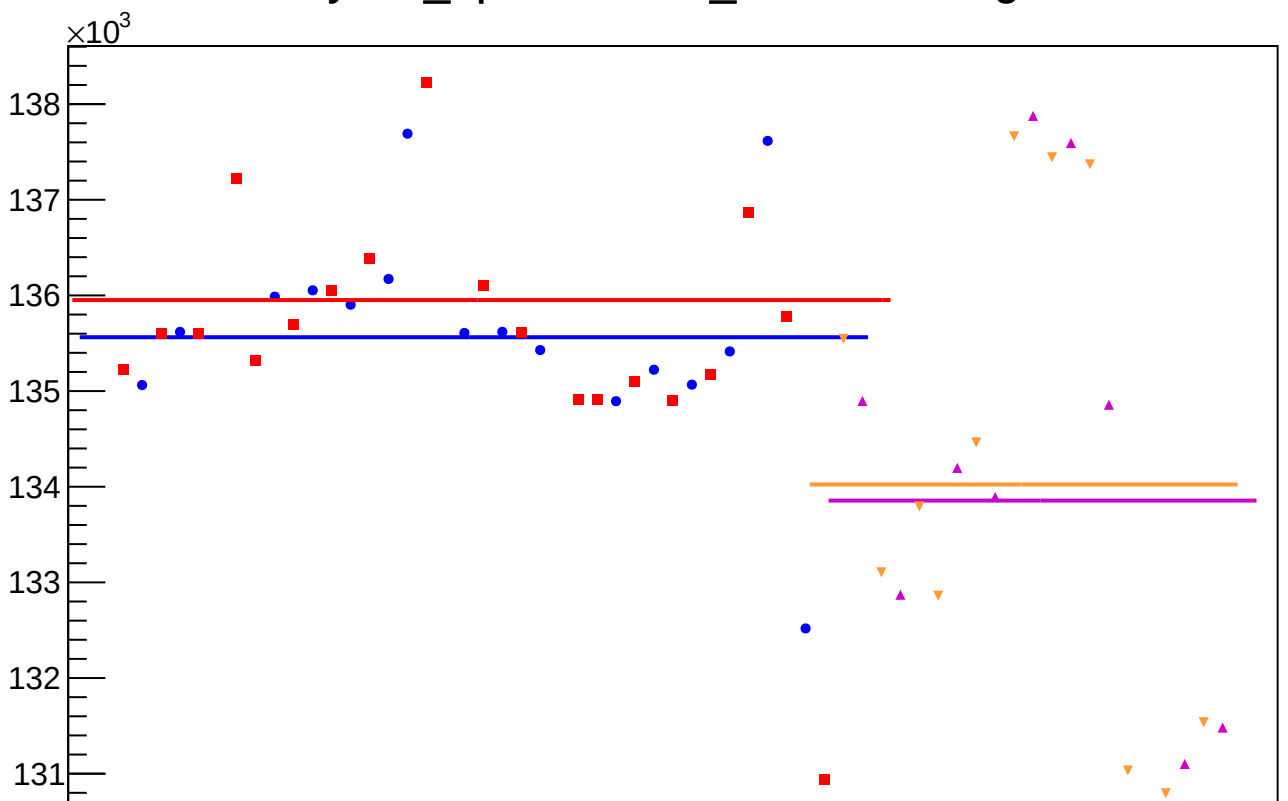
Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 314.127+/-0.078 χ^2/NDF:394642.9/9

+ sign 279.545+/-0.052 χ^2/NDF: 1739408.8/26

All: 282.279+/-0.037 χ^2/NDF: 3392789.6/55

- sign 285.054+/-0.053 χ^2/NDF: 1647844.1/28



Right In: 135563.062+/-0.118 χ^2/NDF: 94169293.7/15

Left Out: 134023.662+/-0.086 χ^2/NDF:528636981.7/10

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

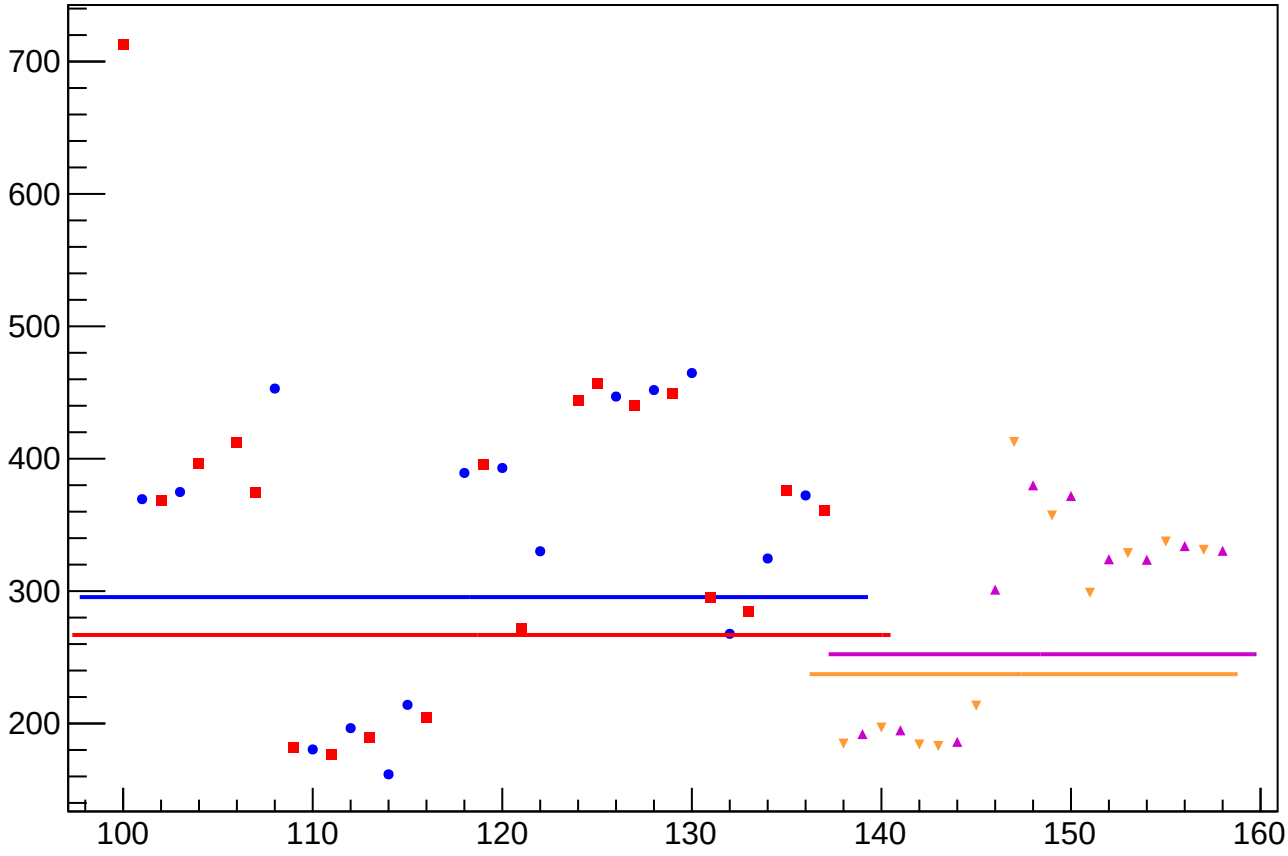
Left In: 133855.174+/-0.090 χ^2/NDF:429038526.1/9

+ sign 134552.287+/-0.069 χ^2/NDF: 733887555.2/2

All: 134643.230+/-0.049 χ^2/NDF: 14837846

- sign 134732.755+/-0.069 χ^2/NDF: 746485128.1/2

yield_bpm0r05WS_rms vs Slug



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 237.266+/-0.061 χ^2/NDF:1361136.0/10

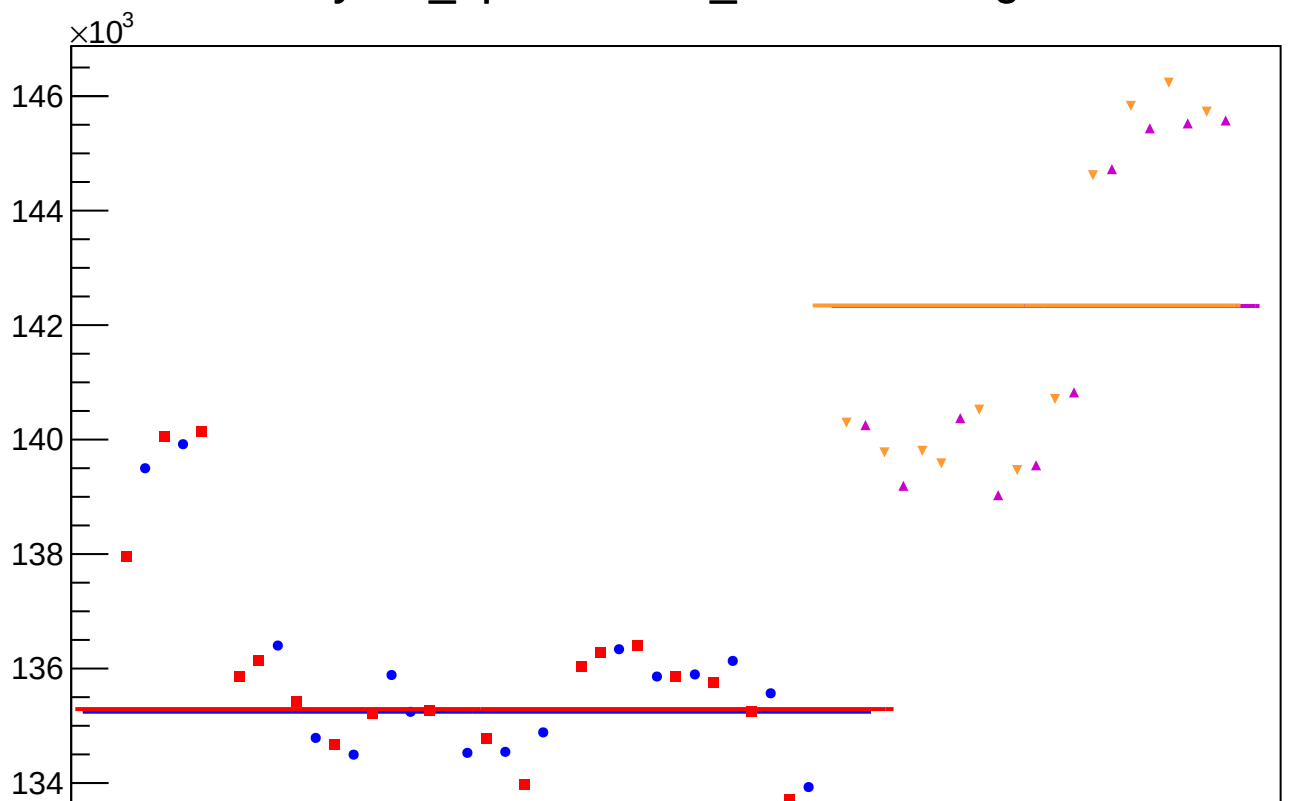
Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 252.309+/-0.064 χ^2/NDF:1306413.5/9

+ sign 257.257+/-0.049 χ^2/NDF: 3121386.1/26

All: 257.834+/-0.035 χ^2/NDF: 6127924.6/55

- sign 258.402+/-0.049 χ^2/NDF: 3006263.8/28



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 142342.926+/-0.065 χ^2/NDF:1847854504.6/10

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

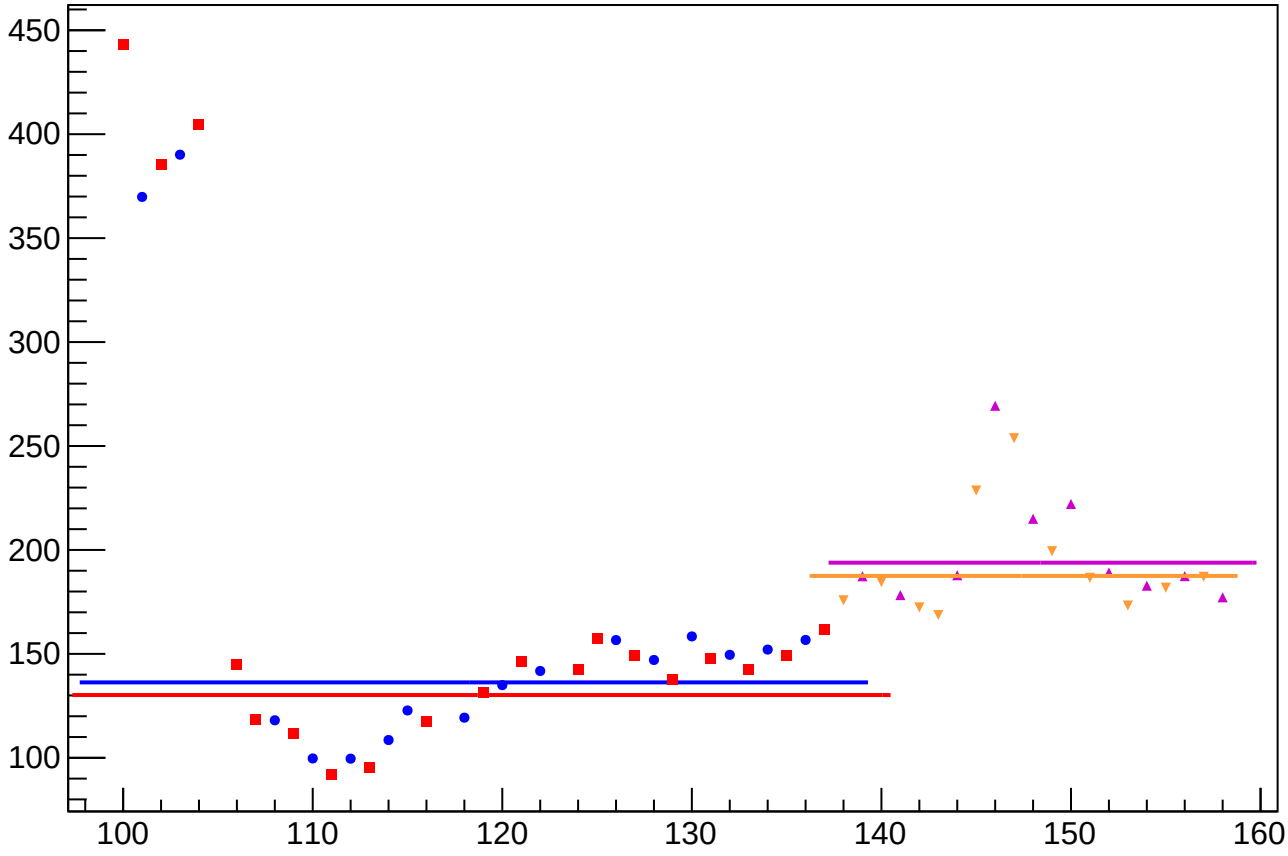
Left In: 142333.404+/-0.067 χ^2/NDF:1674990967.6/9

+ sign 138182.521+/-0.042 χ^2/NDF: 9194909867.9

All: 138048.200+/-0.029 χ^2/NDF: 18181499

- sign 137919.763+/-0.041 χ^2/NDF: 8966484666.0/

yield_bpm0i02WS_rms vs Slug



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 187.507+/-0.046 χ^2/NDF:208617.9/10

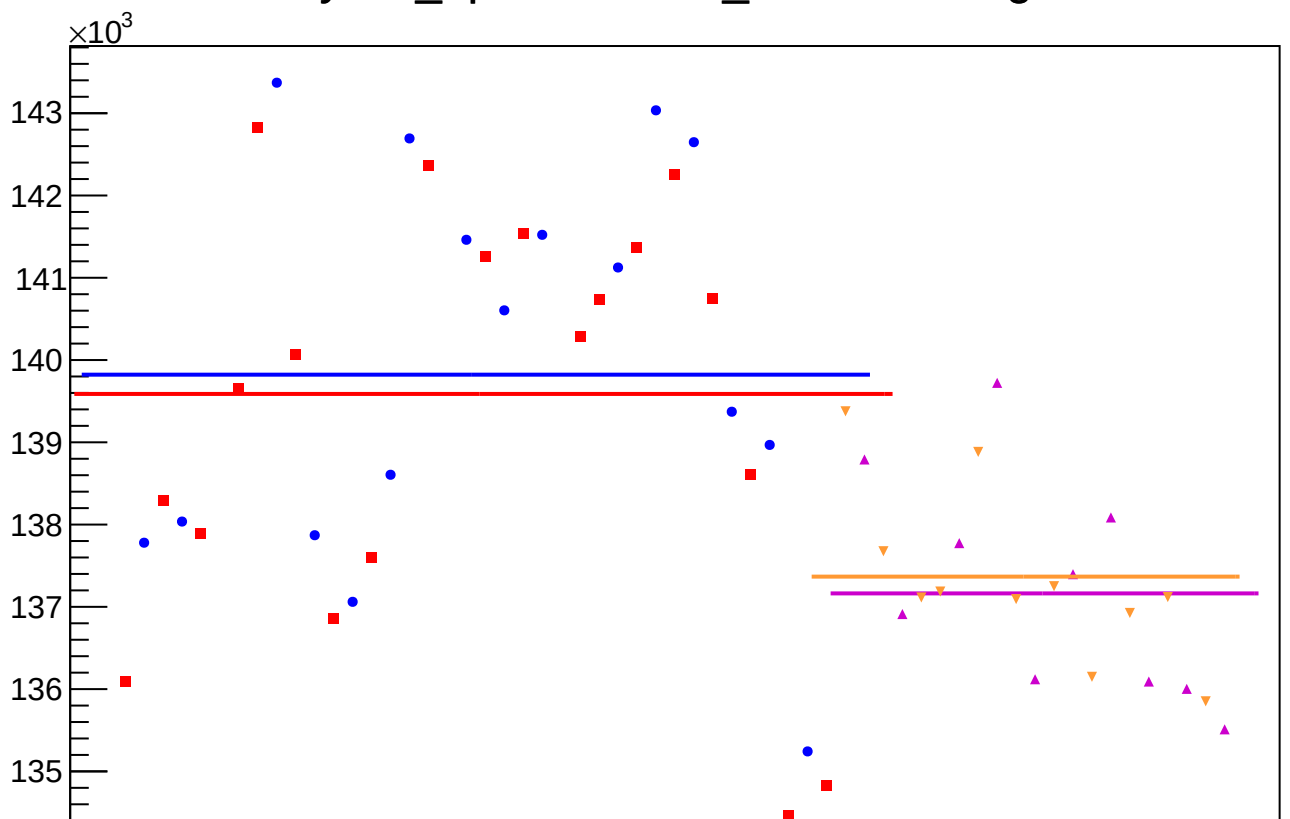
Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 193.874+/-0.047 χ^2/NDF:217286.7/9

+ sign 157.478+/-0.030 χ^2/NDF: 2317701.5/26

All: 155.683+/-0.021 χ^2/NDF: 5192782.6/55

- sign 153.967+/-0.029 χ^2/NDF: 2867900.5/28



Right In: 139822.122+/-0.063 χ^2/NDF: 1663381581.4/15

Left Out: 137367.373+/-0.067 χ^2/NDF:229556249.0/10

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

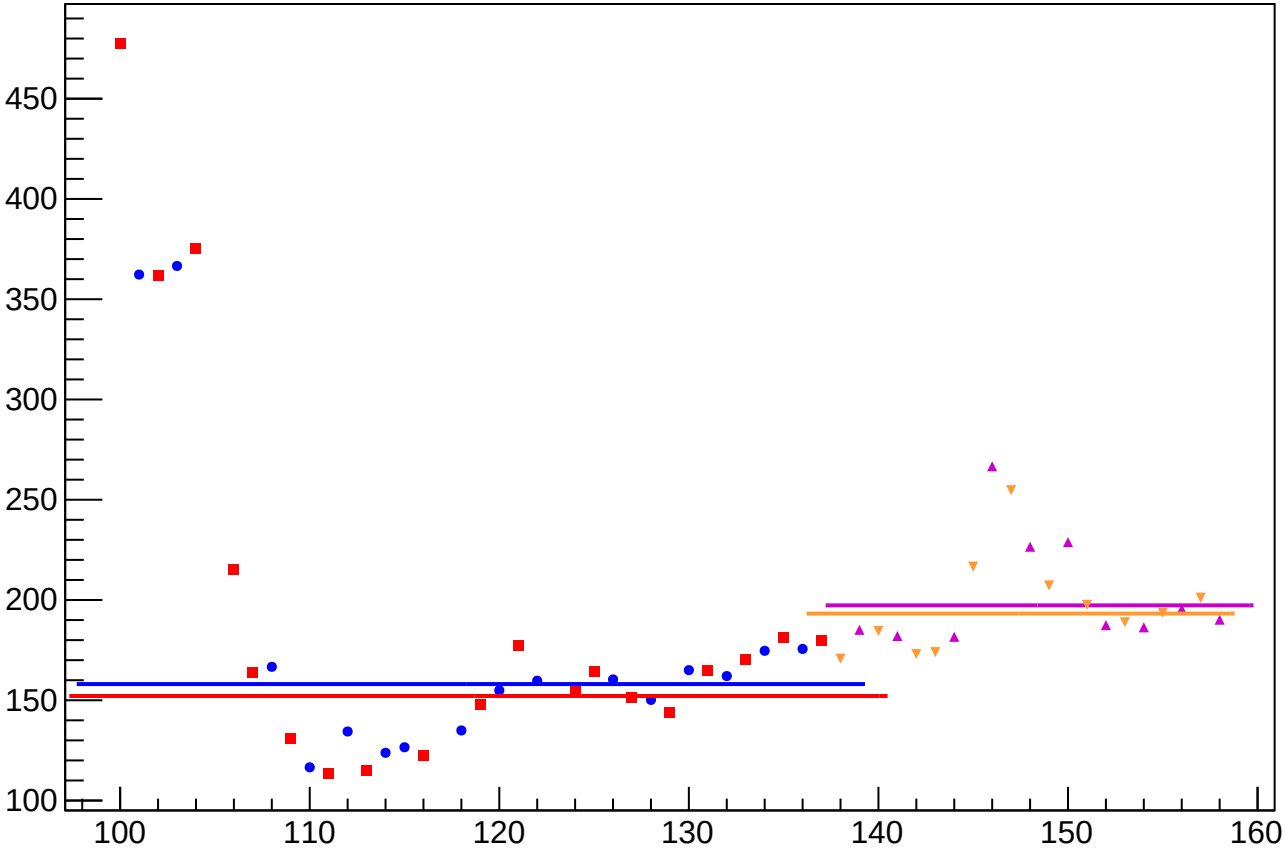
Left In: 137163.409+/-0.068 χ^2/NDF:315133054.1/9

+ sign 138681.928+/-0.046 χ^2/NDF: 2607355040.3

All: 138609.103+/-0.032 χ^2/NDF: 51233538

- sign 138538.856+/-0.045 χ^2/NDF: 2511032136.5/

yield_bpm0i02aWS_rms vs Slug



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 193.225+/-0.048 χ^2/NDF:184037.9/10

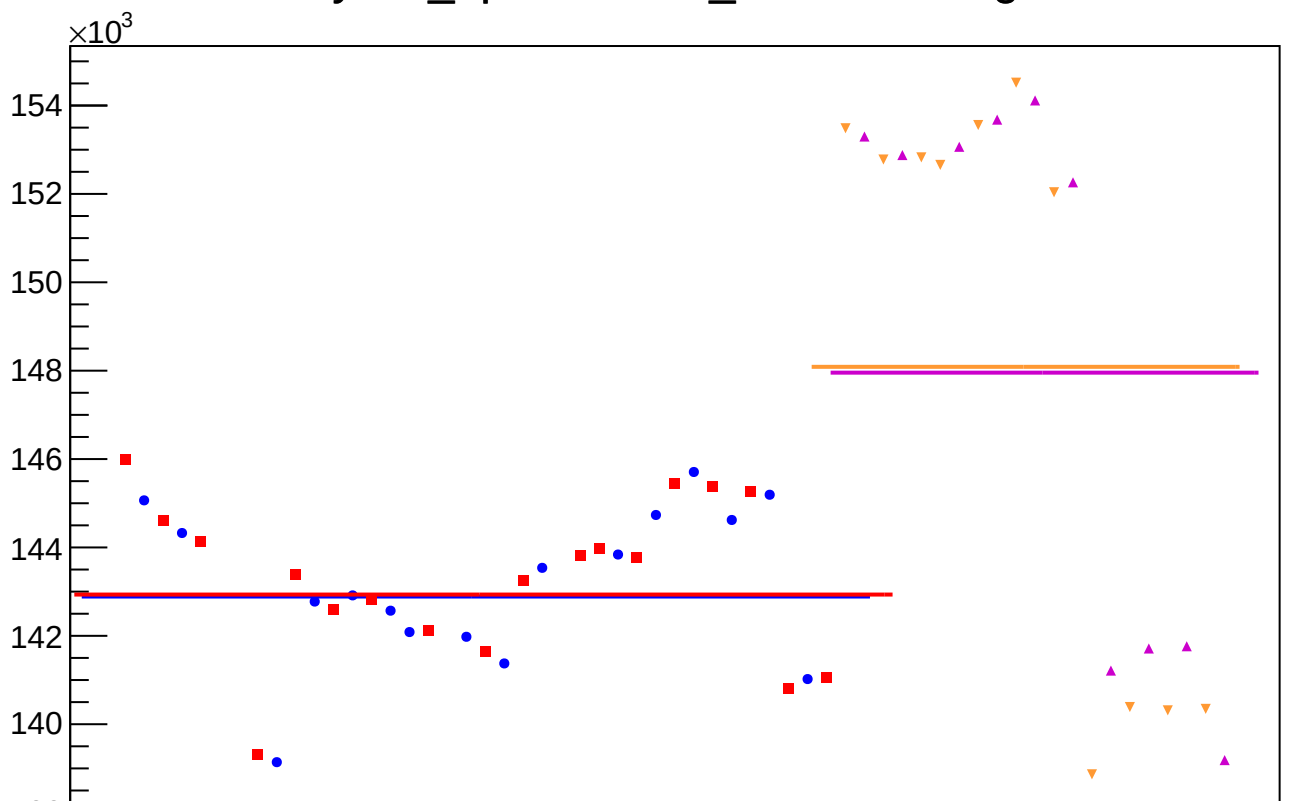
Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 197.326+/-0.048 χ^2/NDF:222011.1/9

+ sign 174.404+/-0.032 χ^2/NDF: 1494866.8/26

All: 173.023+/-0.023 χ^2/NDF: 3444835.8/55

- sign 171.691+/-0.032 χ^2/NDF: 1946396.1/28



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 148087.239+/-0.068 χ^2/NDF:8799888797.5/10

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

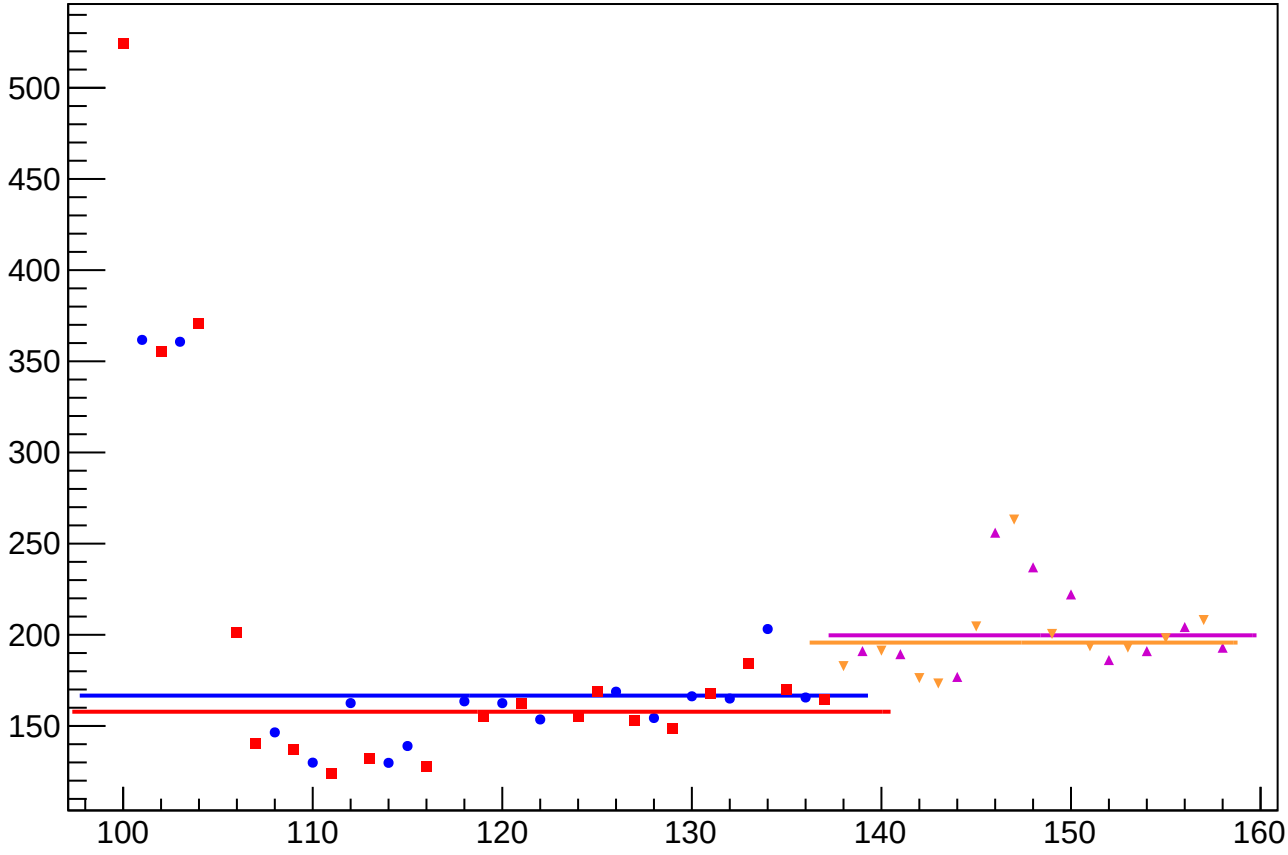
Left In: 147955.354+/-0.069 χ^2/NDF:7784626322.4/9

+ sign 145401.532+/-0.047 χ^2/NDF: 12589684818.

All: 145276.203+/-0.033 χ^2/NDF: 24124156

- sign 145157.589+/-0.046 χ^2/NDF: 11520757012.8

yield_bpm0i05WS_rms vs Slug



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 195.730+/-0.048 χ^2/NDF:162461.2/10

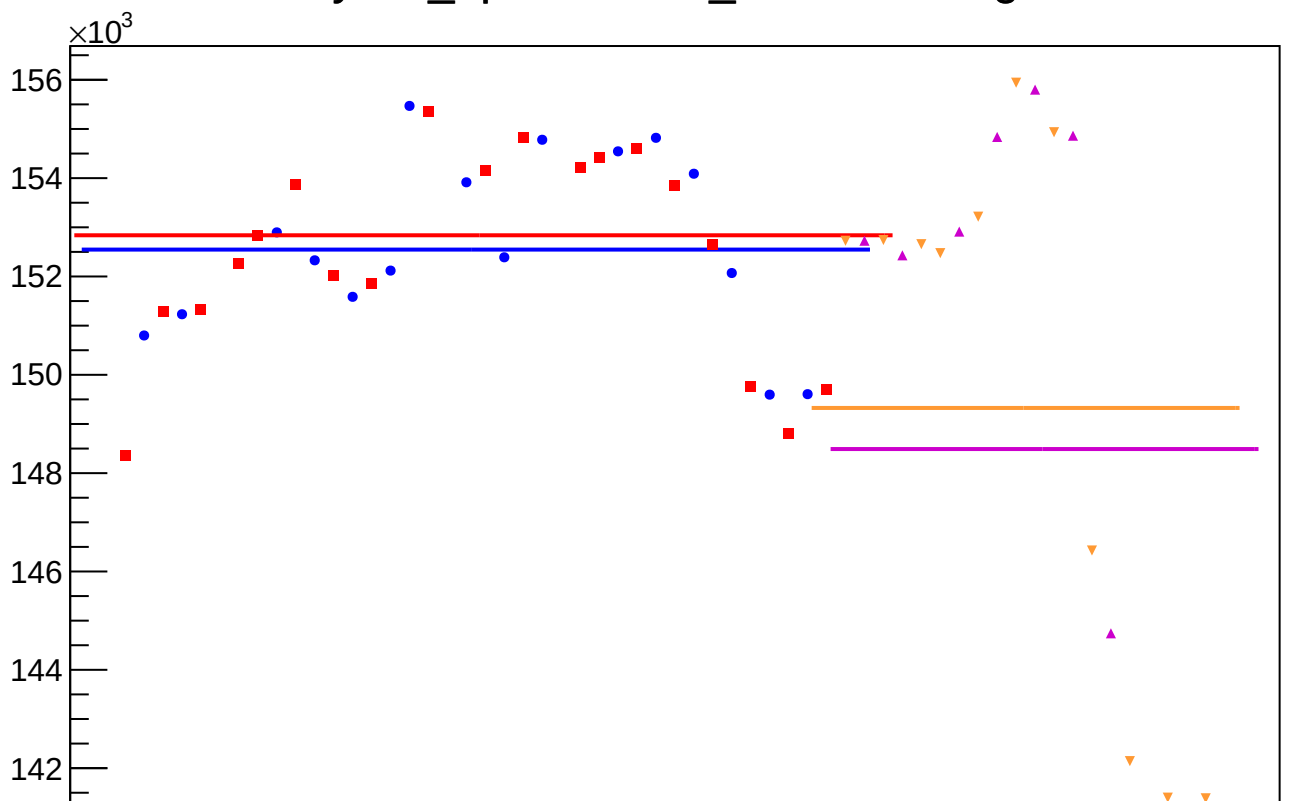
Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 199.715+/-0.049 χ^2/NDF:195238.8/9

+ sign 180.708+/-0.033 χ^2/NDF: 1215412.2/26

All: 178.478+/-0.023 χ^2/NDF: 2852407.9/55

- sign 176.367+/-0.032 χ^2/NDF: 1628309.1/28



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 149326.151+/-0.068 χ^2/NDF:6089933428.5/10

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

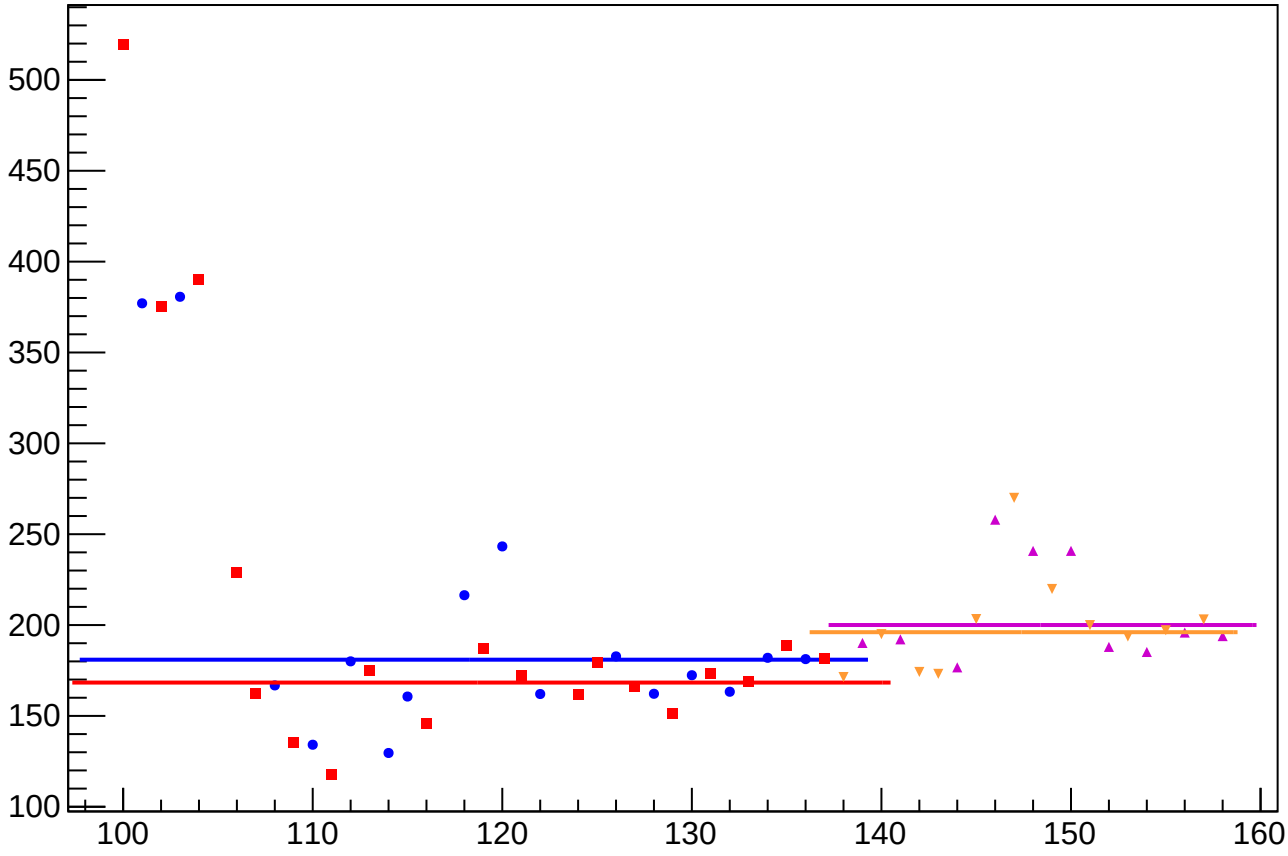
Left In: 148490.356+/-0.069 χ^2/NDF:7338943075.0/9

+ sign 150827.896+/-0.050 χ^2/NDF: 7794445628.8

All: 150782.186+/-0.034 χ^2/NDF: 17925032

- sign 150739.449+/-0.048 χ^2/NDF: 10128942926.

yield_bpm0i07WS_rms vs Slug



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 196.073+/-0.048 χ^2/NDF:219550.5/10

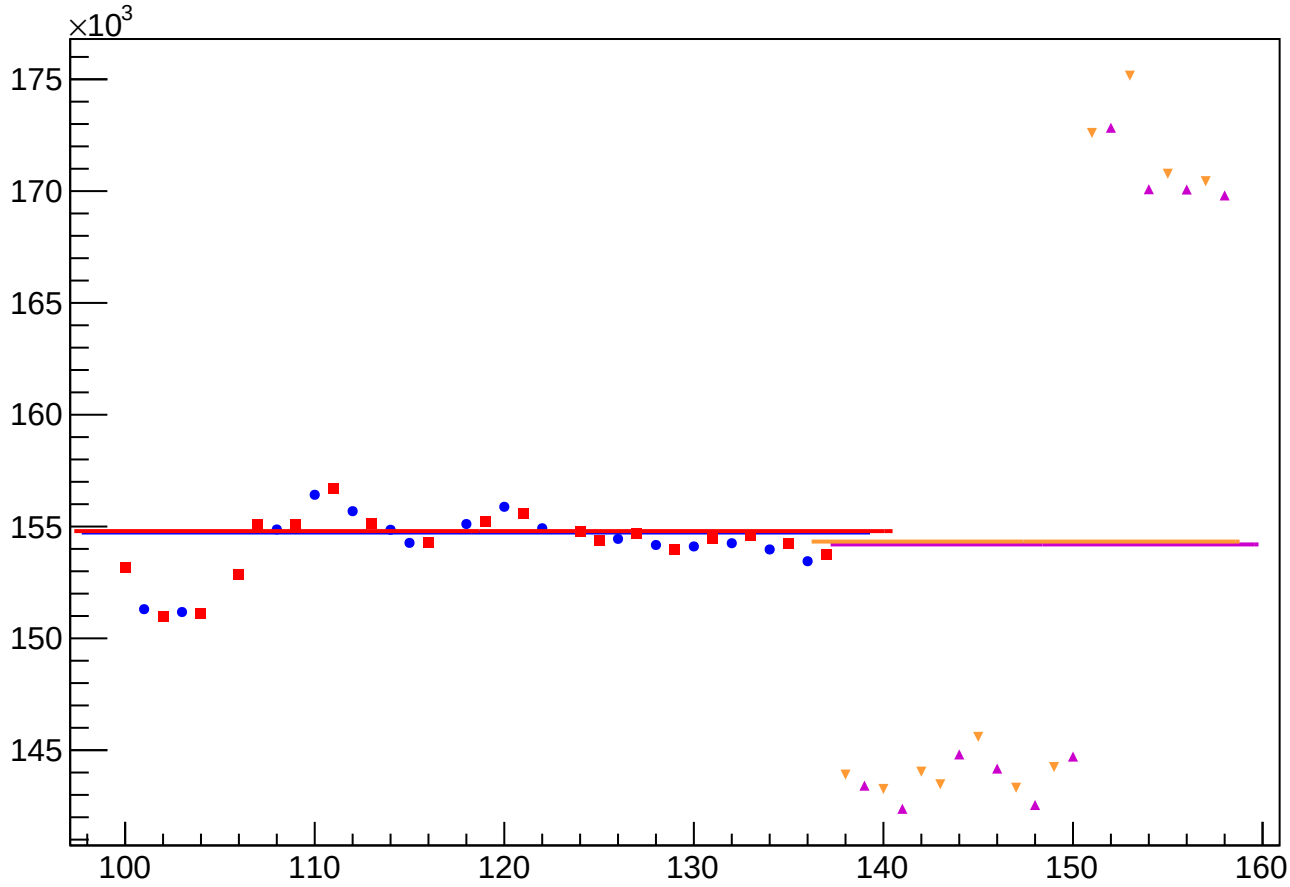
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 200.024+/-0.049 χ^2/NDF:244281.5/9

+ sign 189.016+/-0.035 χ^2/NDF: 1173677.4/26

All: 186.236+/-0.024 χ^2/NDF: 2737168.1/55

- sign 183.638+/-0.034 χ^2/NDF: 1551329.1/28



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 154328.029+/-0.062 χ^2/NDF:49046295272.5/10

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

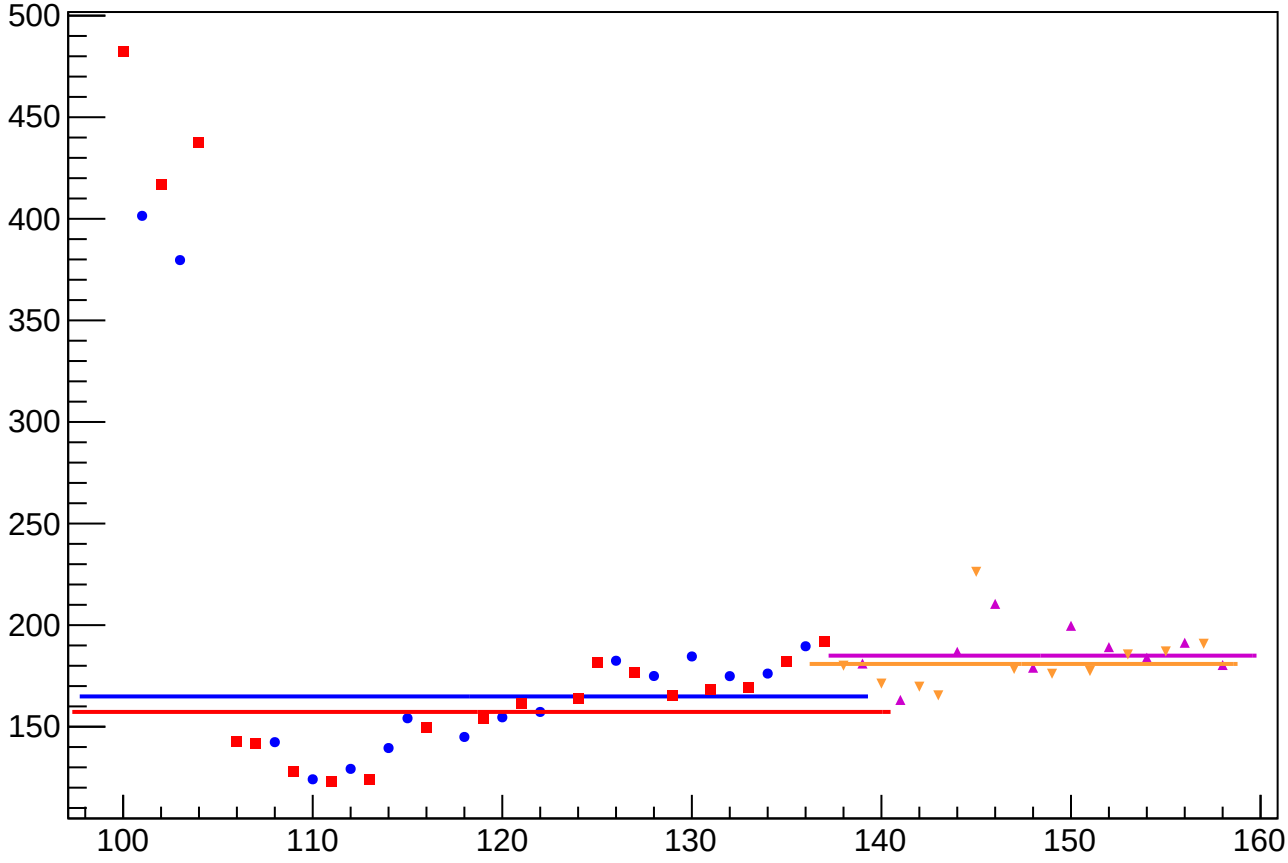
Left In: 154200.248+/-0.063 χ^2/NDF:44034384129.3/9

+ sign 154521.052+/-0.045 χ^2/NDF: 49340974065.

All: 154514.728+/-0.031 χ^2/NDF: 93725397

- sign 154508.699+/-0.044 χ^2/NDF: 44384384504.

yield_bpm1i02WS_rms vs Slug



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 180.899+/-0.044 χ^2/NDF:97020.3/10

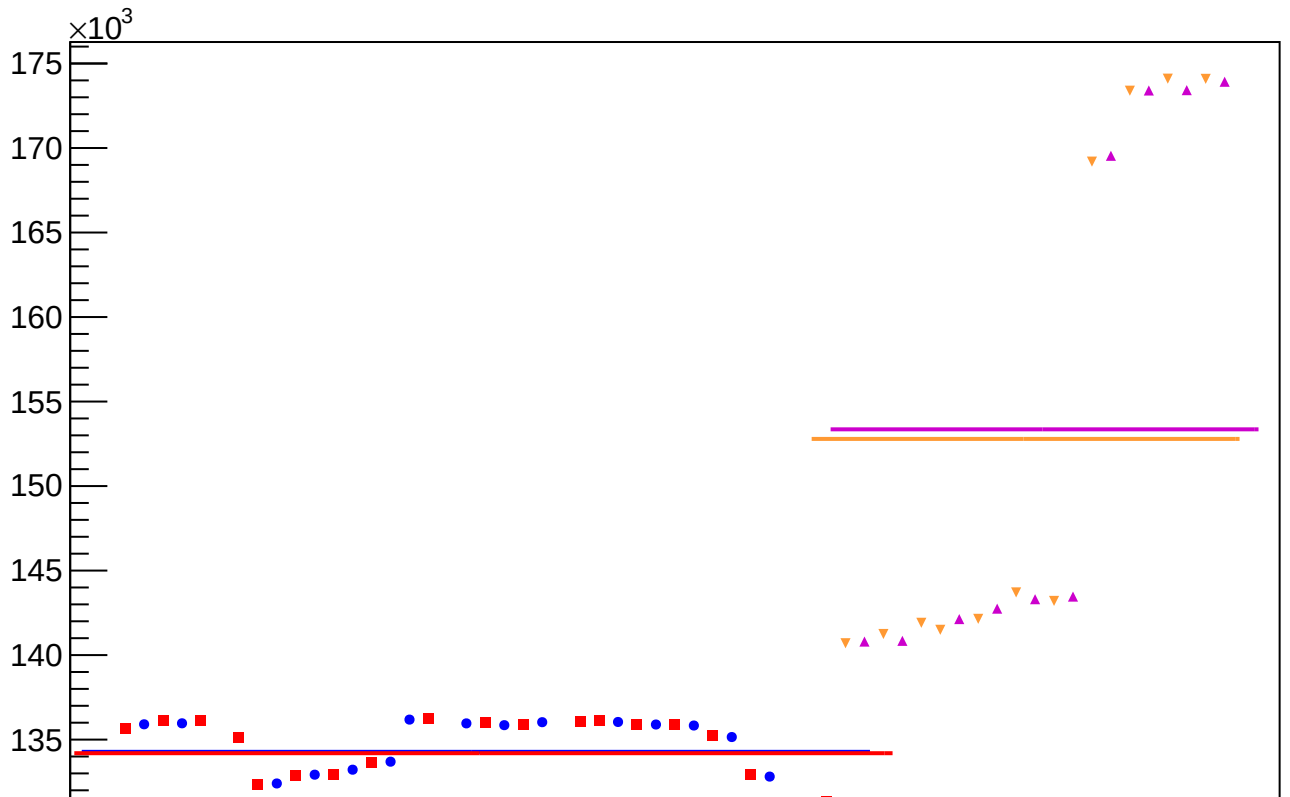
Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 184.984+/-0.045 χ^2/NDF:73003.6/9

+ sign 173.279+/-0.032 χ^2/NDF: 1232760.4/26

All: 171.928+/-0.022 χ^2/NDF: 2762554.6/55

- sign 170.639+/-0.031 χ^2/NDF: 1526269.8/28



Right In: 134276.096+/-0.051 χ^2/NDF: 1142867100.2/15

Left Out: 152789.494+/-0.062 χ^2/NDF:55648452704.5/10

Right Out: 134195.257+/-0.048 χ^2/NDF: 1205537499.7/18

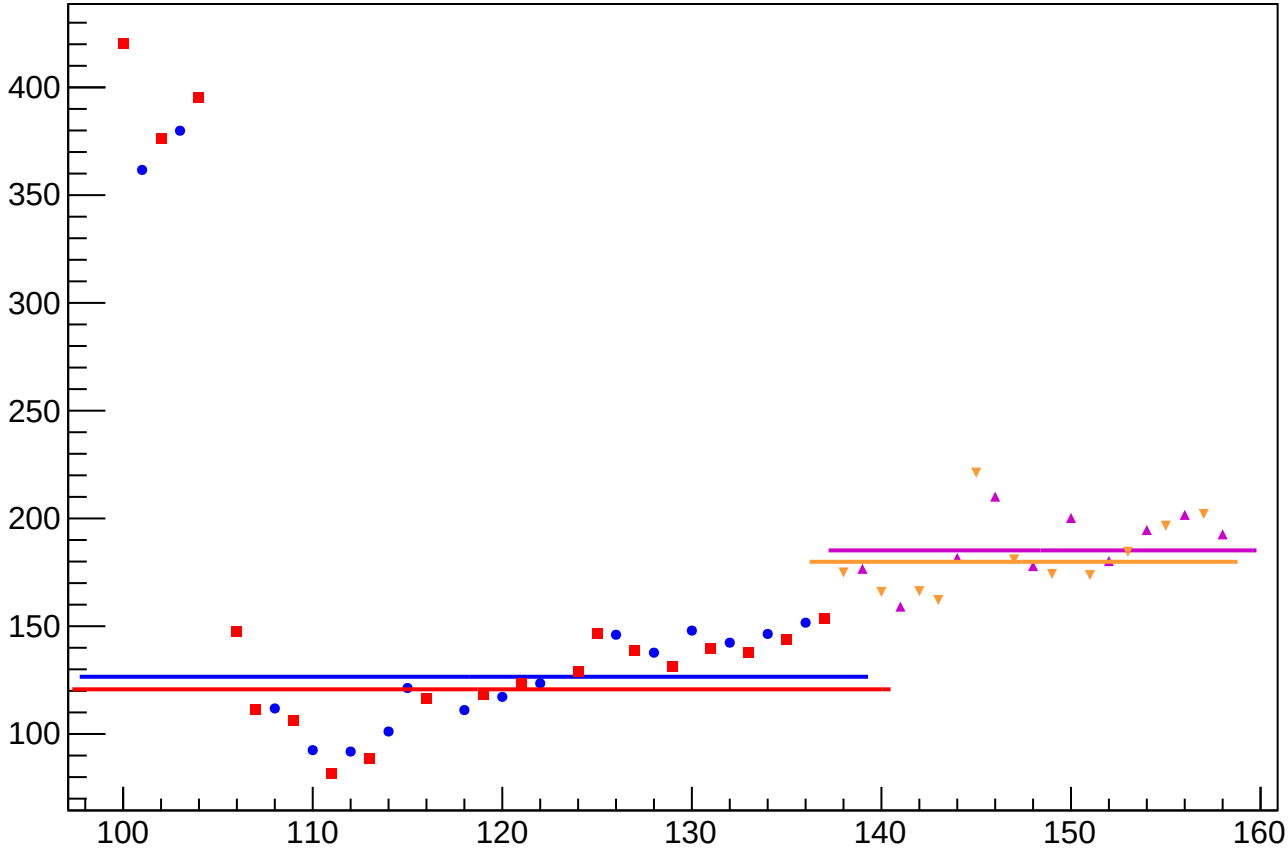
Left In: 153356.243+/-0.063 χ^2/NDF:53887301764.3/9

+ sign 141722.175+/-0.039 χ^2/NDF: 11015593988

All: 141433.080+/-0.027 χ^2/NDF: 22332806

- sign 141158.802+/-0.038 χ^2/NDF: 113066660683

yield_bpm1i04WS_rms vs Slug



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 179.889+/-0.044 χ^2/NDF:129773.2/10

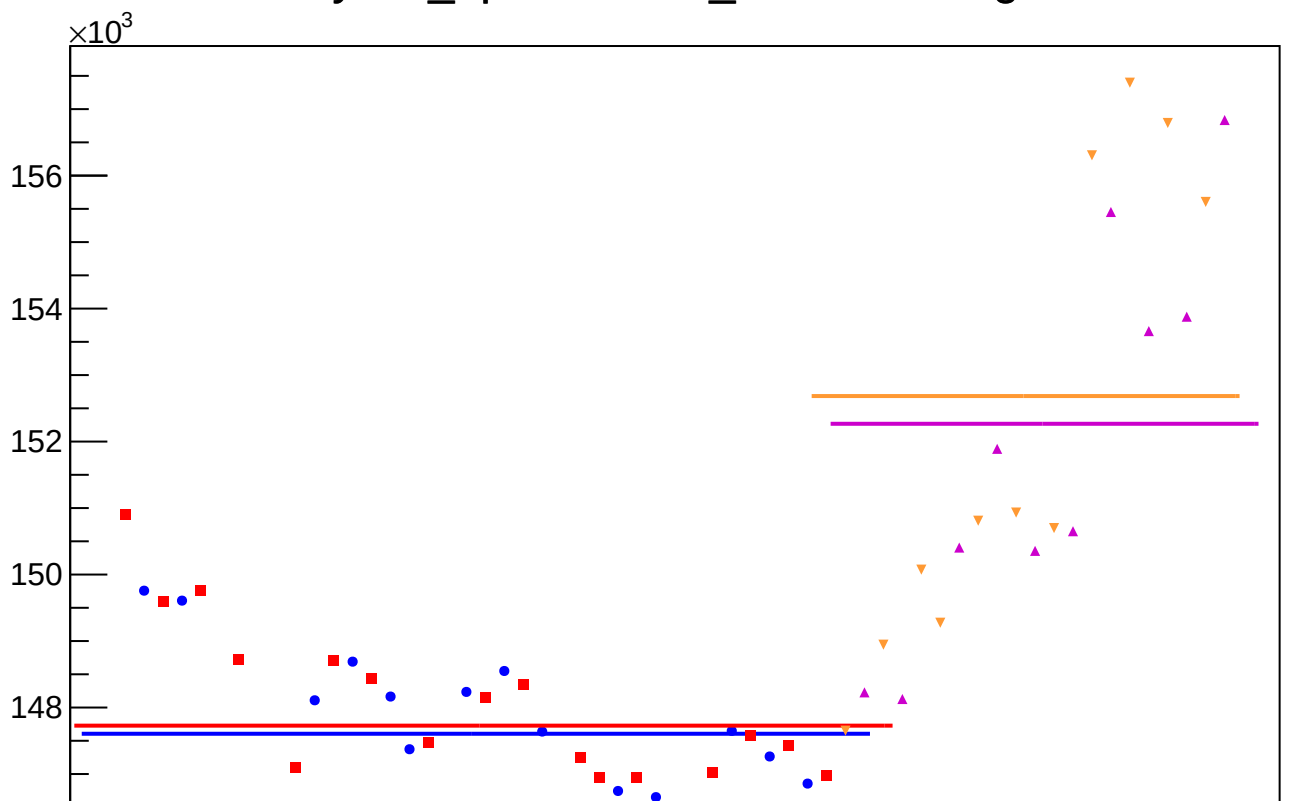
Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 185.175+/-0.045 χ^2/NDF:107417.4/9

+ sign 148.004+/-0.028 χ^2/NDF: 2493108.7/26

All: 146.024+/-0.019 χ^2/NDF: 5555012.1/55

- sign 144.146+/-0.027 χ^2/NDF: 3052015.2/28



Right In: 147605.604+/-0.062 χ^2/NDF: 200513366.5/15

Left Out: 152684.560+/-0.070 χ^2/NDF:2581717824.5/10

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

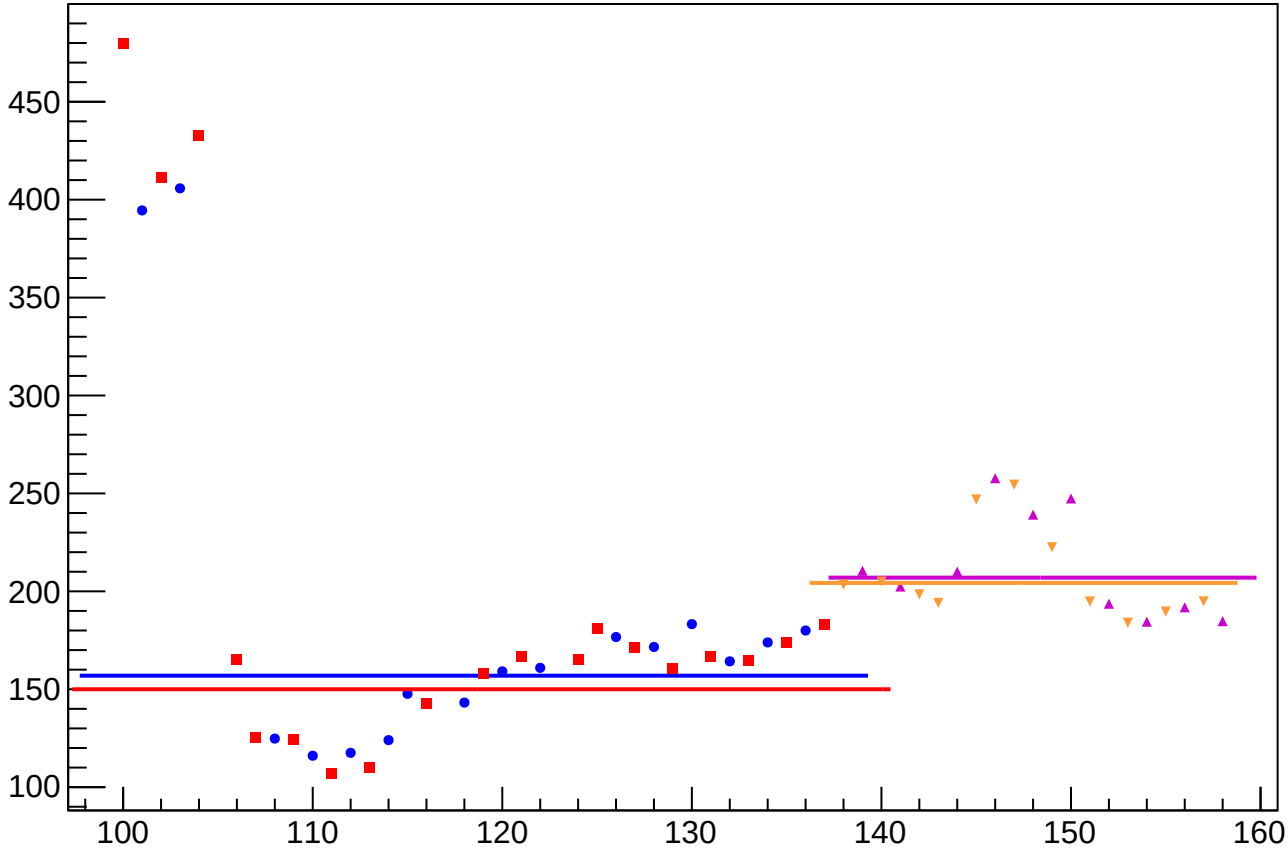
Left In: 152267.552+/-0.071 χ^2/NDF:1701545592.0/9

+ sign 149842.307+/-0.047 χ^2/NDF: 5692833264.3

All: 149704.378+/-0.033 χ^2/NDF: 10020084

- sign 149574.269+/-0.045 χ^2/NDF: 4310324689.2/

yield_bpm1i06WS_rms vs Slug



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 204.306+/-0.050 χ^2/NDF:165120.9/10

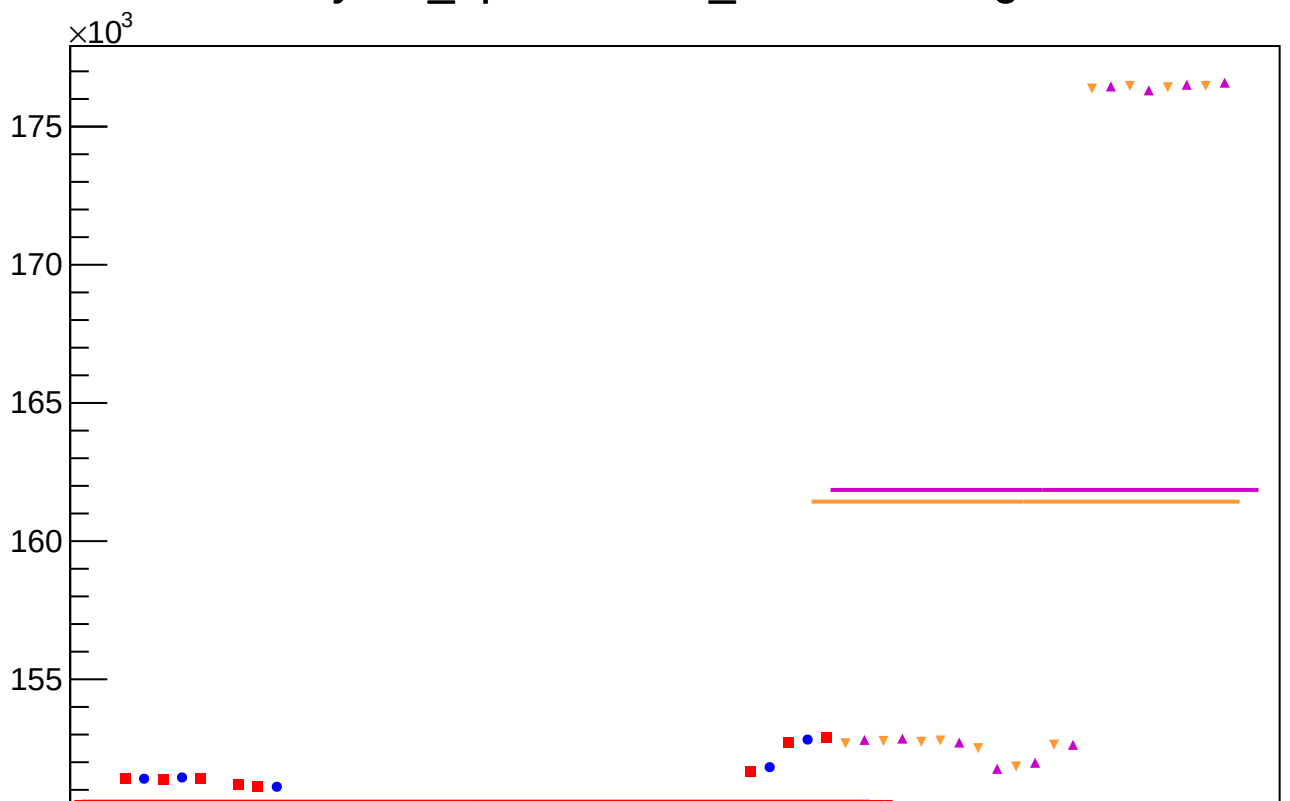
Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 206.988+/-0.050 χ^2/NDF:216209.0/9

+ sign 177.792+/-0.033 χ^2/NDF: 1937456.1/26

All: 175.417+/-0.023 χ^2/NDF: 4378513.0/55

- sign 173.177+/-0.032 χ^2/NDF: 2431019.8/28



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 161429.102+/-0.061 χ^2/NDF:36026306952.4/10

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

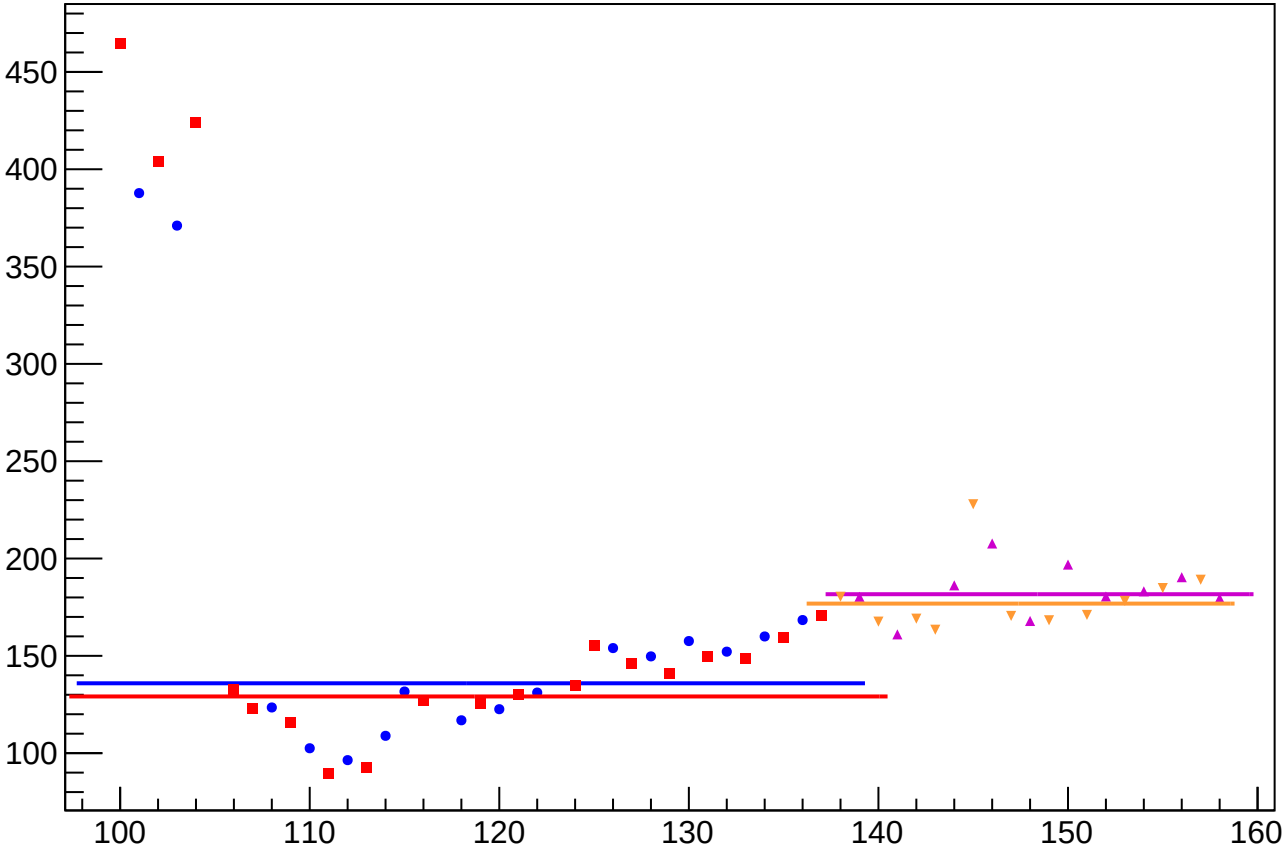
Left In: 161853.384+/-0.062 χ^2/NDF:35411715011.6/9

+ sign 155417.899+/-0.041 χ^2/NDF: 53922620447.1

All: 155254.093+/-0.028 χ^2/NDF: 10927907

- sign 155099.828+/-0.039 χ^2/NDF: 55324889532.4

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 176.838+/-0.043 χ^2/NDF:117417.3/10

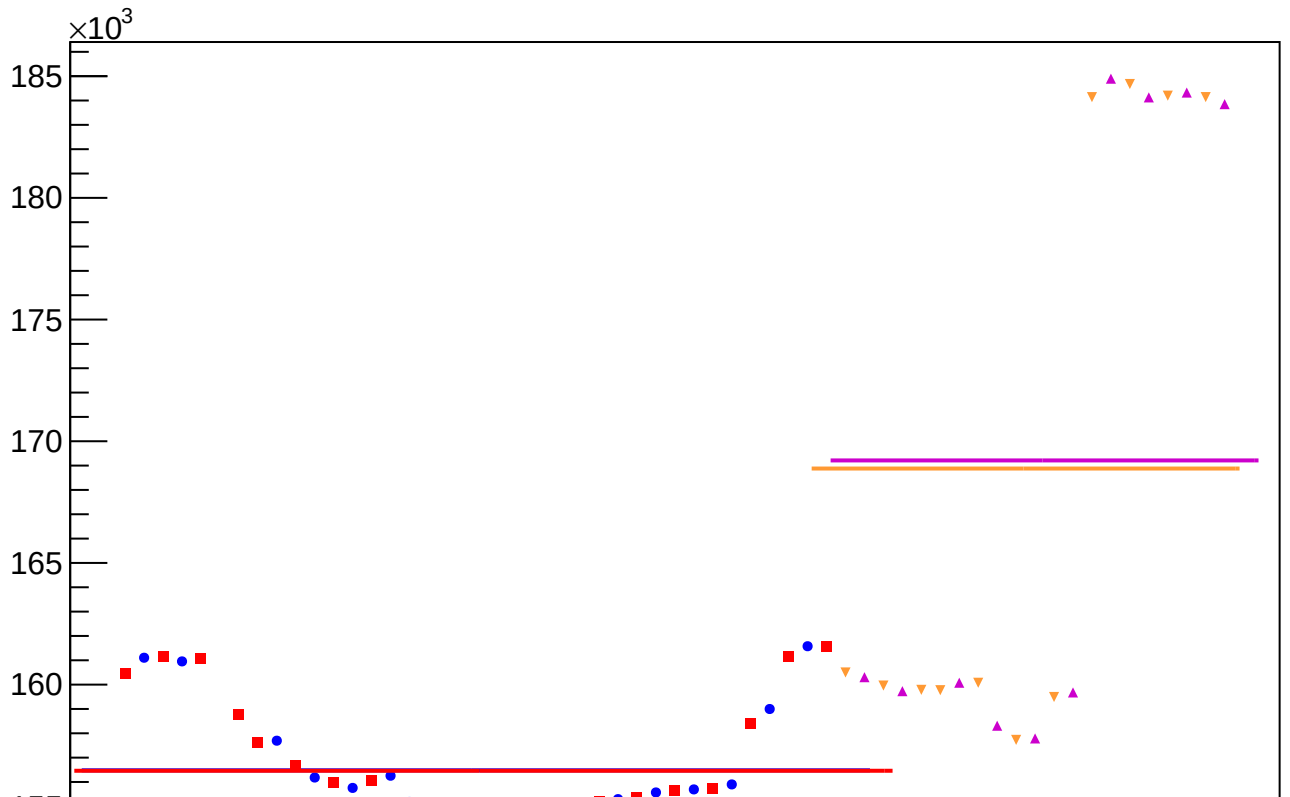
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 181.667+/-0.044 χ^2/NDF:82765.6/9

+ sign 154.177+/-0.029 χ^2/NDF: 2035677.0/26

All: 152.152+/-0.020 χ^2/NDF: 4595975.2/55

- sign 150.245+/-0.028 χ^2/NDF: 2550651.6/28



Right In: 156478.318+/-0.057 χ^2/NDF: 1289449253.3/15

Left Out: 168878.756+/-0.063 χ^2/NDF:36303918397.0/10

Right Out: 156460.550+/-0.053 χ^2/NDF: 1100531658.8/18

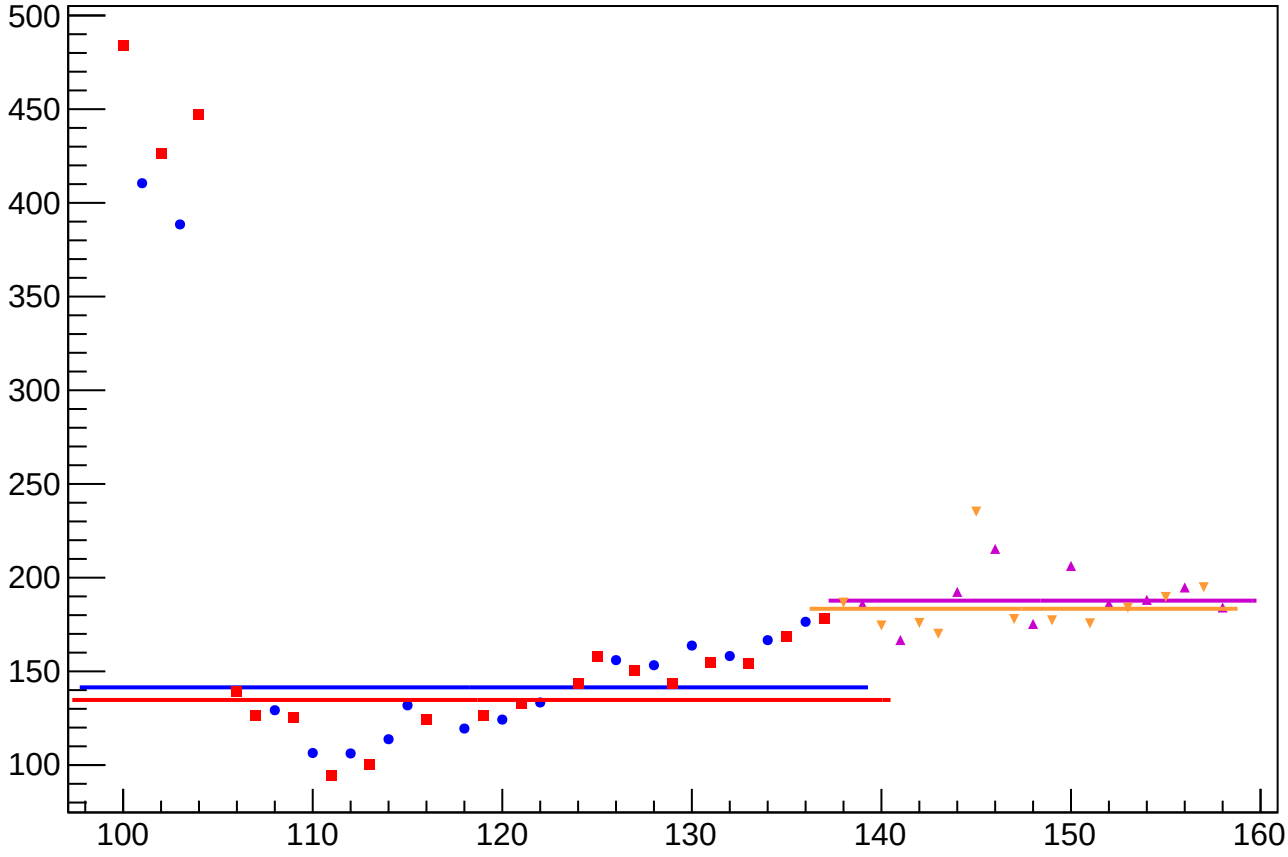
Left In: 169211.926+/-0.064 χ^2/NDF:36200453008.5/9

+ sign 162037.133+/-0.042 χ^2/NDF: 58948773184.

All: 161830.732+/-0.029 χ^2/NDF: 11968020

- sign 161636.396+/-0.041 χ^2/NDF: 60684989863.7

yield_bpm2i02WS_rms vs Slug



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 183.407+/-0.045 χ^2/NDF:108769.1/10

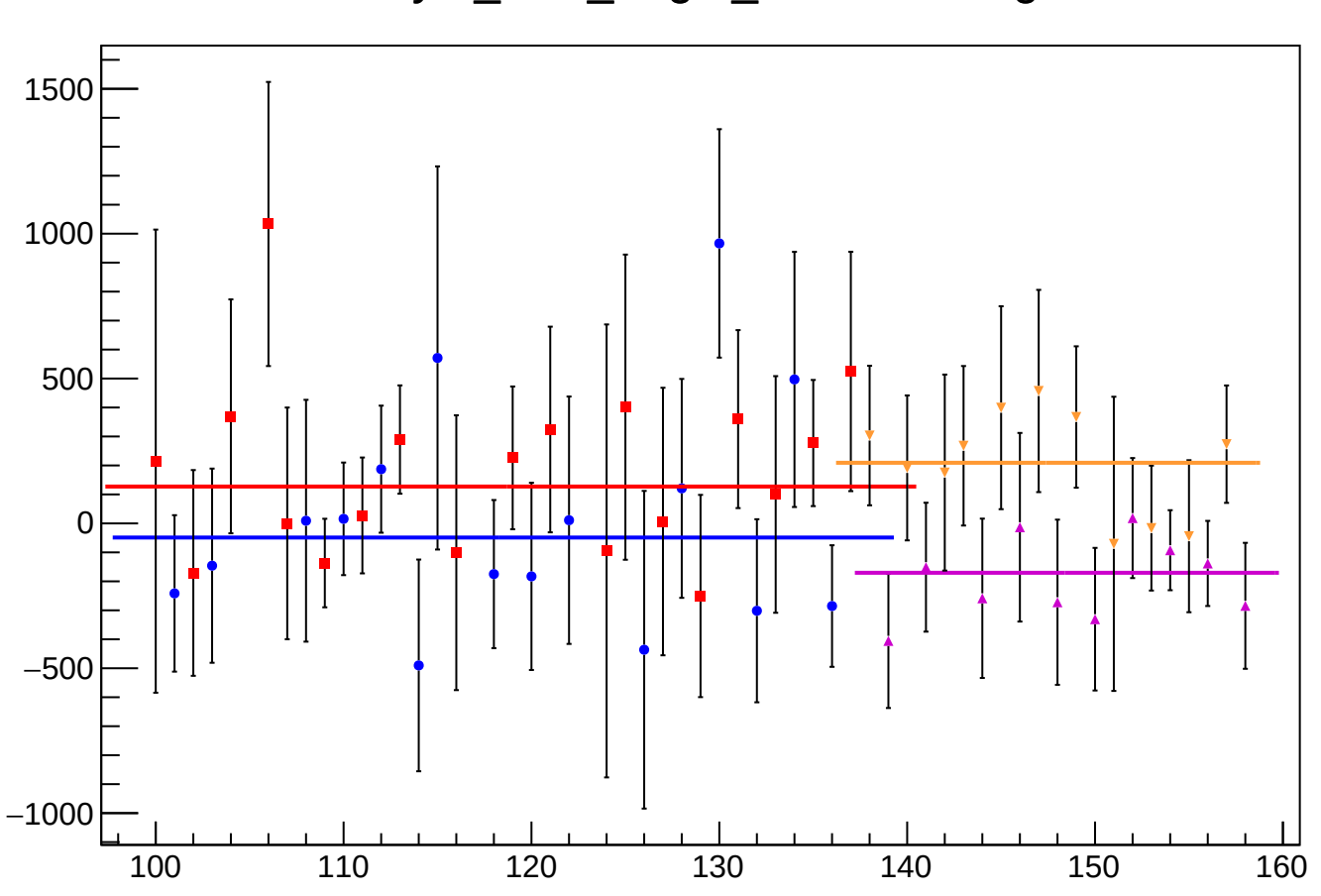
Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

Left In: 187.736+/-0.045 χ^2/NDF:83234.9/9

+ sign 160.269+/-0.030 χ^2/NDF: 1989199.5/26

All: 158.202+/-0.021 χ^2/NDF: 4468462.6/55

- sign 156.255+/-0.029 χ^2/NDF: 2469940.6/28



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 209.241+/-80.945 χ^2/NDF:3.9/10

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

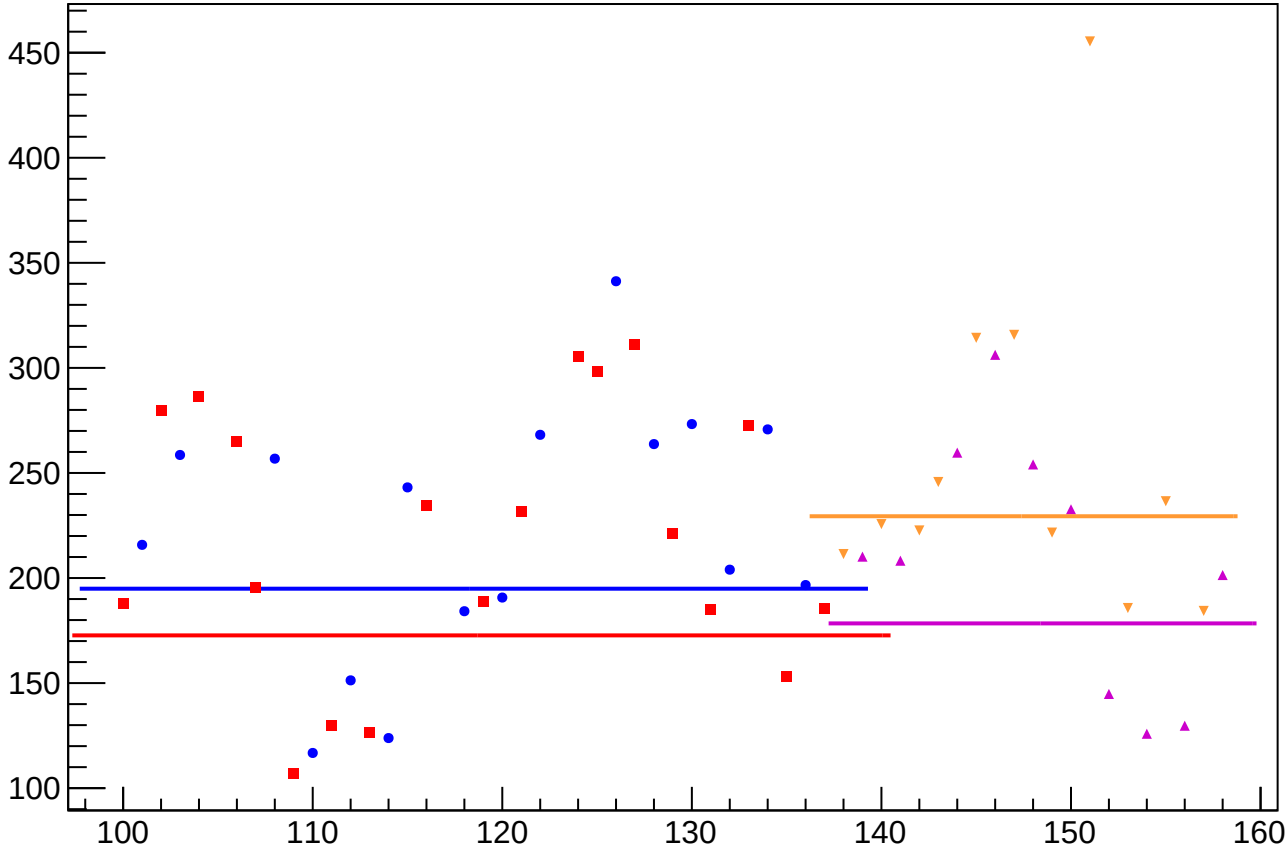
Left In: -170.438+/-65.440 χ^2/NDF:3.4/9

+ sign 73.122+/-55.634 χ^2/NDF: 24.7/26

All: 14.212+/-36.045 χ^2/NDF: 52.7/55

- sign -28.406+/-47.320 χ^2/NDF: 26.1/28

asym_bcm_target_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 229.399+/-0.057 χ^2/NDF:840050.1/10

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

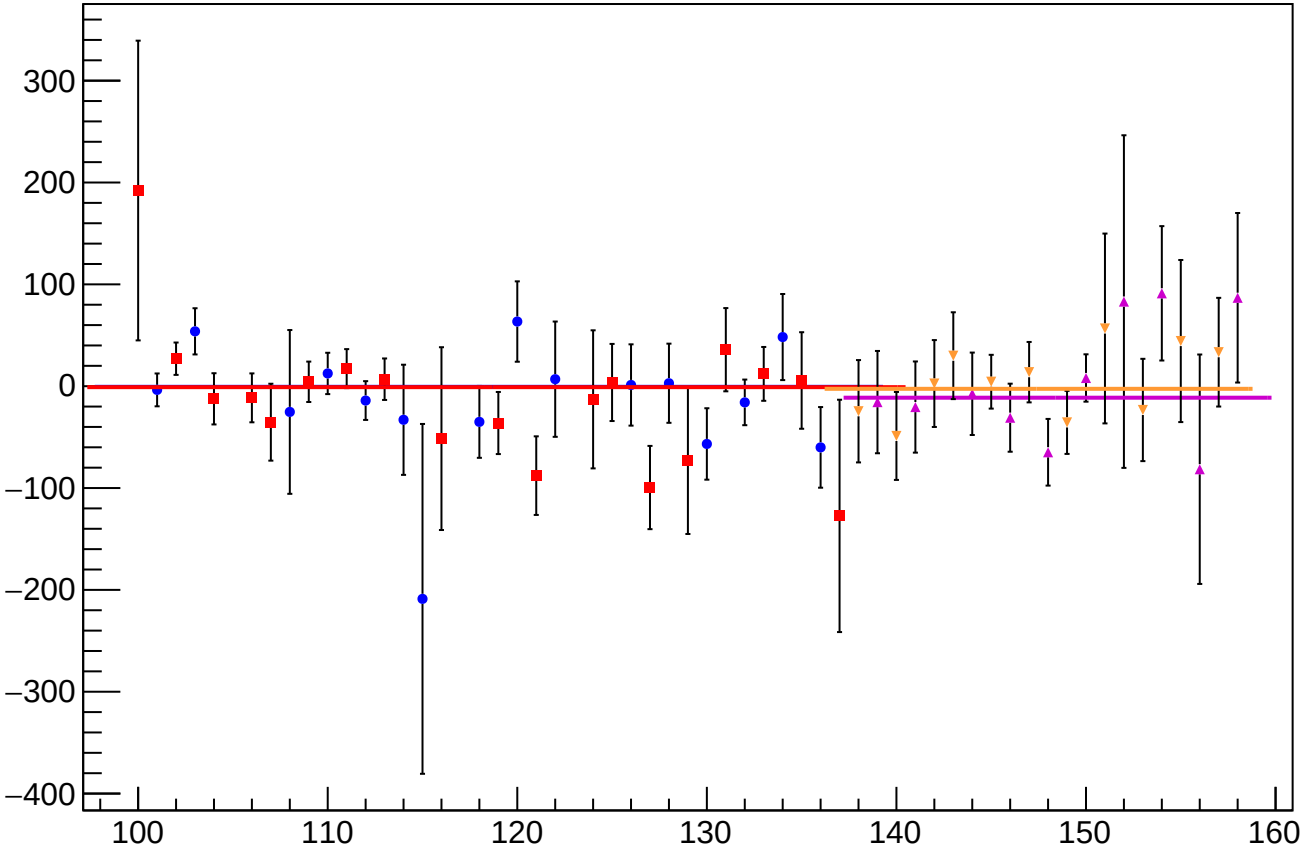
Left In: 178.408+/-0.046 χ^2/NDF:1378488.9/9

+ sign 211.209+/-0.039 χ^2/NDF: 2060384.9/26

All: 190.598+/-0.025 χ^2/NDF: 5550588.5/55

- sign 175.686+/-0.033 χ^2/NDF: 3017088.4/28

asym_bcm_an_diff_mean vs Slug



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: -2.573+/-12.247 χ^2/NDF:4.8/10

Right Out: -0.938+/-6.767 χ^2/NDF: 23.1/18

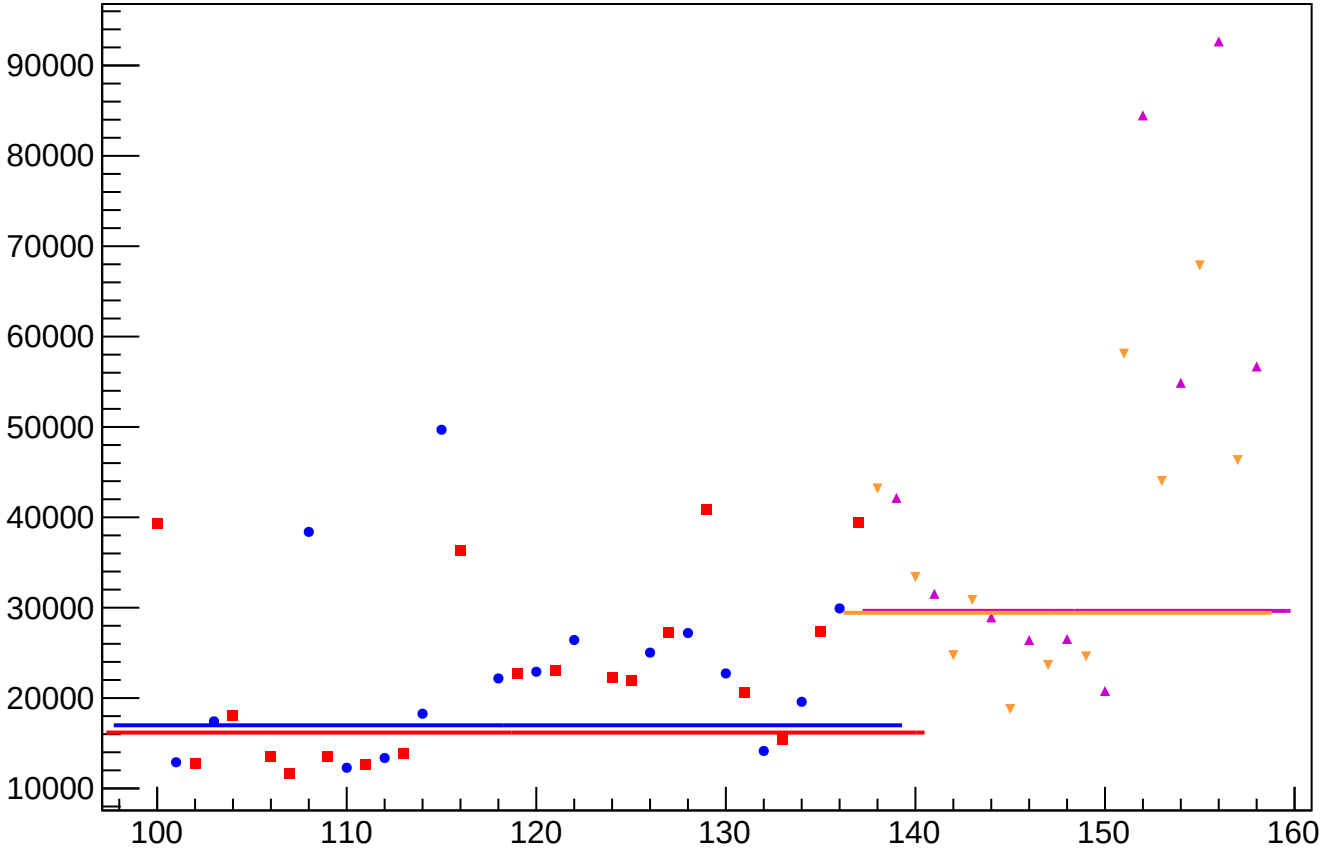
Left In: -11.298+/-13.274 χ^2/NDF:8.3/9

\+ sign -1.139+/-6.296 χ^2/NDF: 23.7/26

All: -2.149+/-4.354 χ^2/NDF: 55.6/55

\- sign -3.075+/-6.029 χ^2/NDF: 31.8/28

asym_bcm_an_diff_rms vs Slug



Right In: 16986.402+/-5.190 χ^2/NDF: 1194096.1/15

Left Out: 29430.011+/-8.660 χ^2/NDF:1668132.7/10

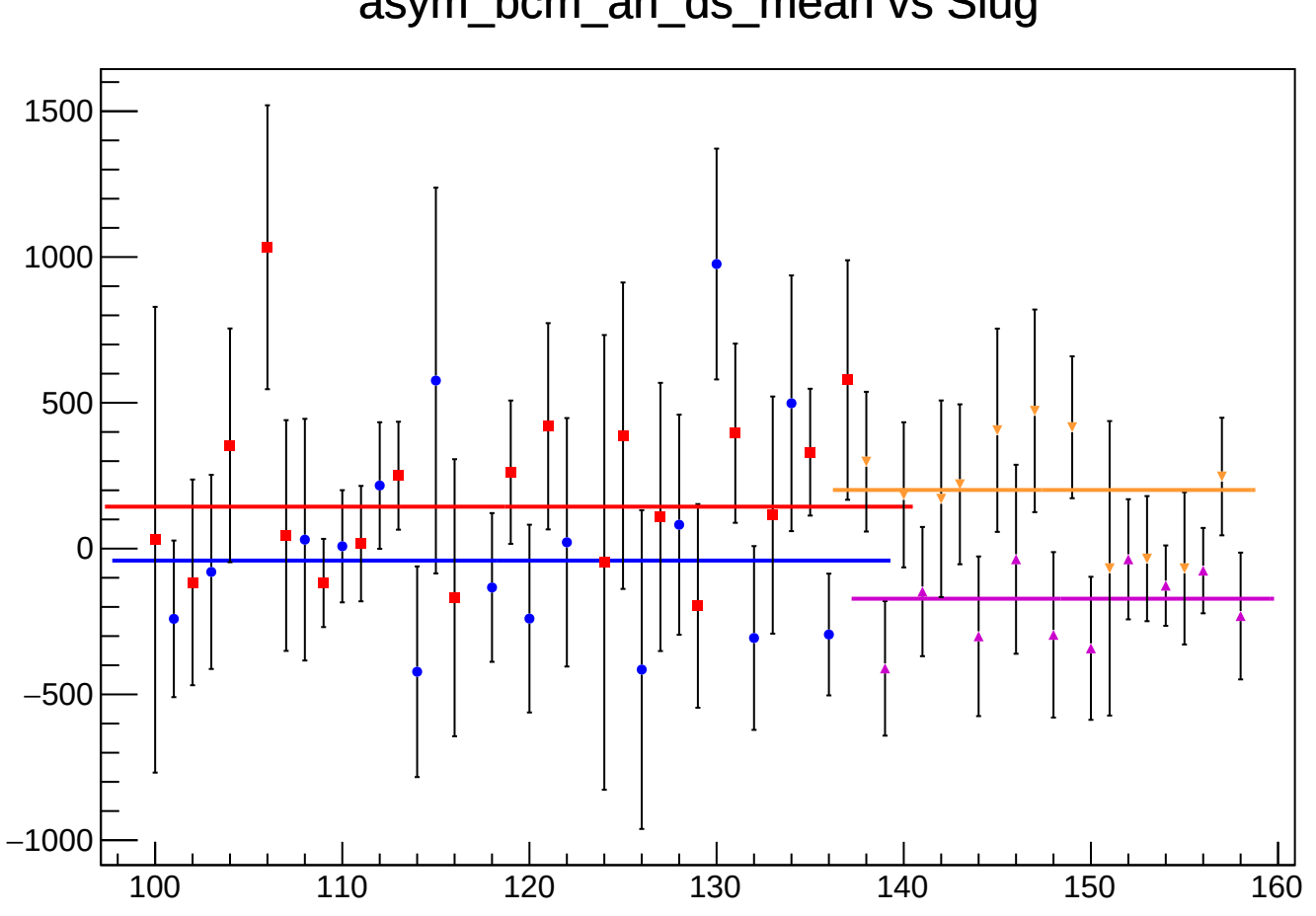
Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

Left In: 29648.969+/-9.386 χ^2/NDF:1810649.9/9

+ sign 20275.091+/-4.452 χ^2/NDF: 4381284.6/26

All: 19589.058+/-3.079 χ^2/NDF: 9122961.3/5

- sign 18960.032+/-4.263 χ^2/NDF: 4696158.4/28



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 201.111+/-80.589 χ^2/NDF:4.5/10

Right Out: 143.821+/-68.080 χ^2/NDF: 13.0/18

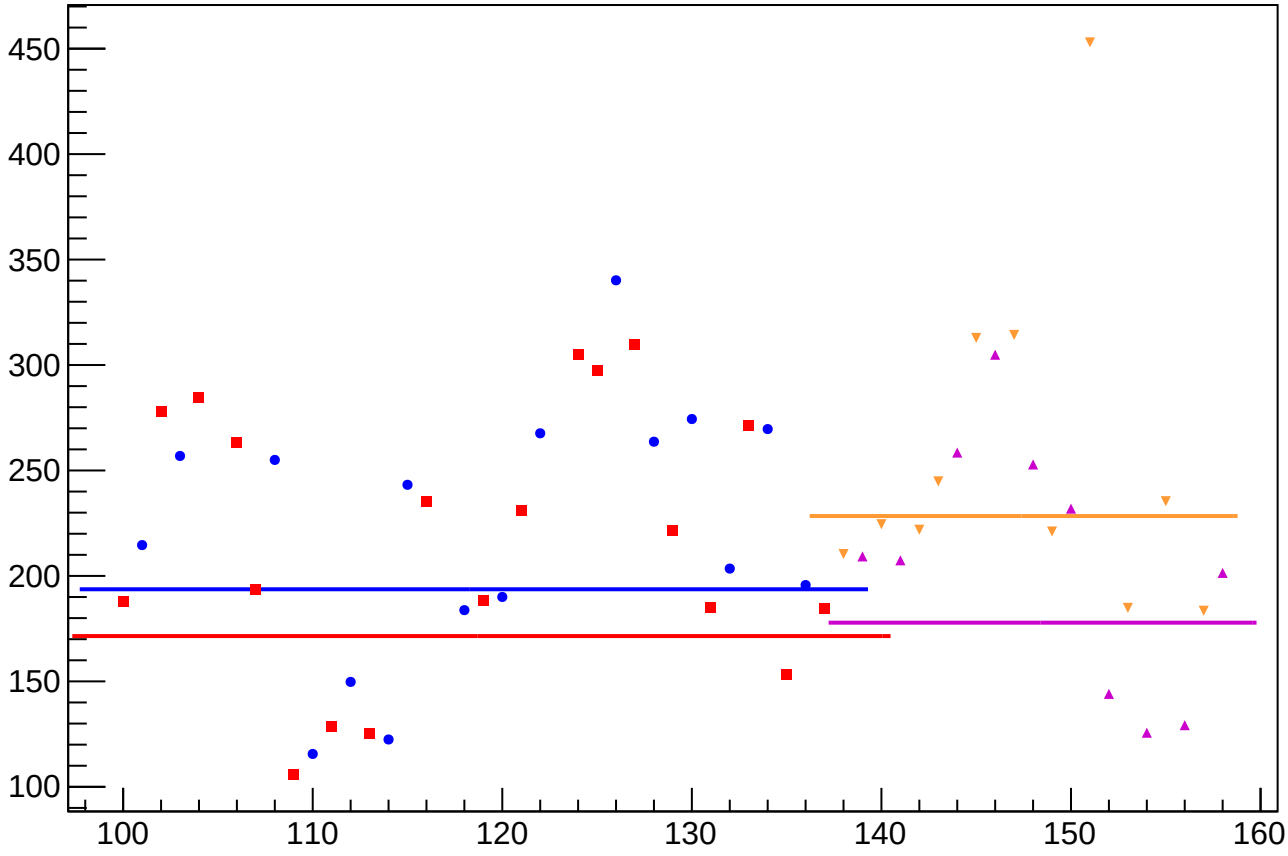
Left In: -171.829+/-65.219 χ^2/NDF:3.2/9

+ sign 73.189+/-55.352 χ^2/NDF: 24.8/26

All: 18.684+/-35.869 χ^2/NDF: 53.8/55

- sign -20.775+/-47.096 χ^2/NDF: 27.4/28

asym_bcm_an_ds_rms vs Slug



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 228.395+/-0.057 χ^2/NDF:839617.7/10

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

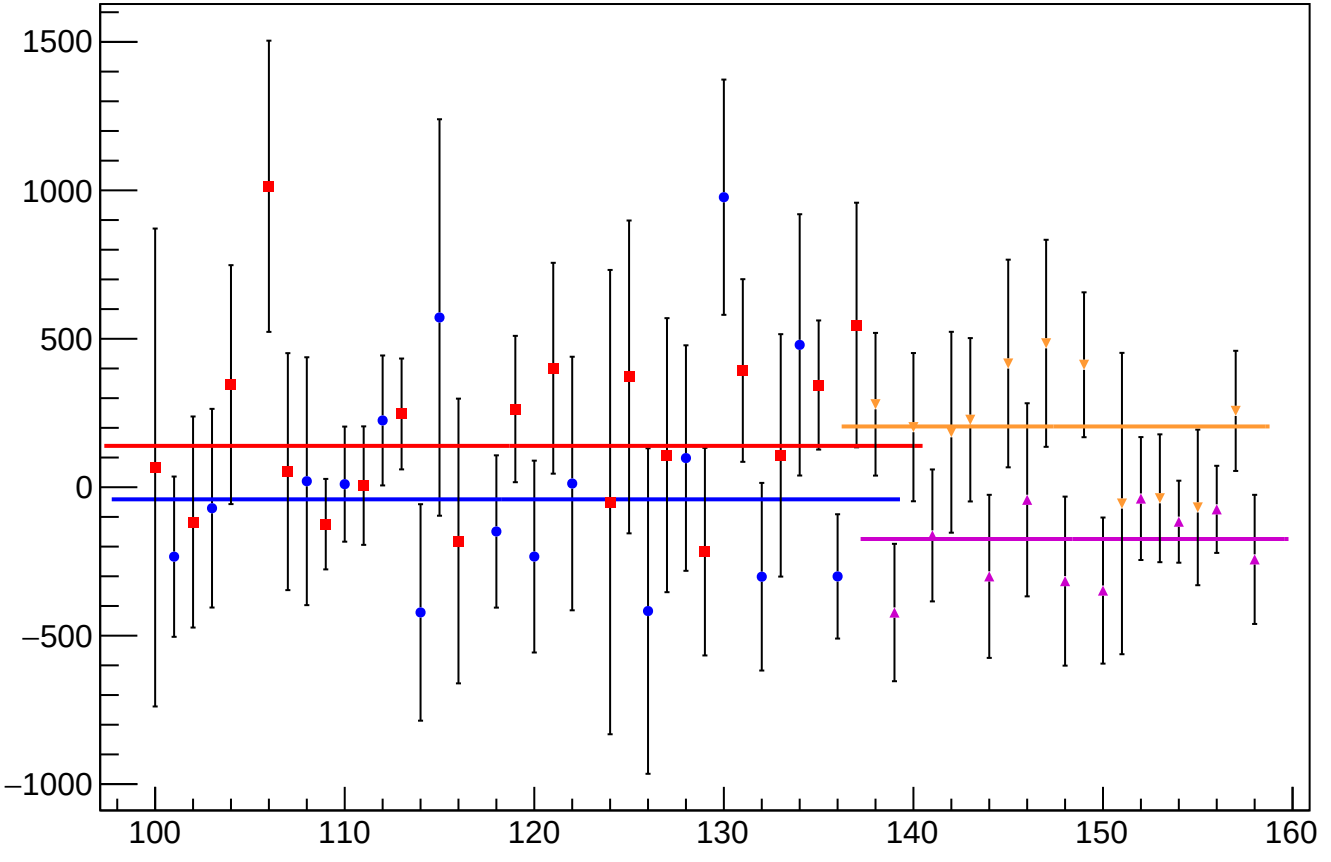
Left In: 177.838+/-0.046 χ^2/NDF:1374886.8/9

+ sign 210.051+/-0.039 χ^2/NDF: 2085540.3/26

All: 189.602+/-0.025 χ^2/NDF: 5593118.9/55

- sign 174.797+/-0.033 χ^2/NDF: 3036960.9/28

asym_bcm_an_ds3_mean vs Slug



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 204.668+/-80.863 χ^2/NDF:4.5/10

Right Out: 139.292+/-68.459 χ^2/NDF: 12.9/18

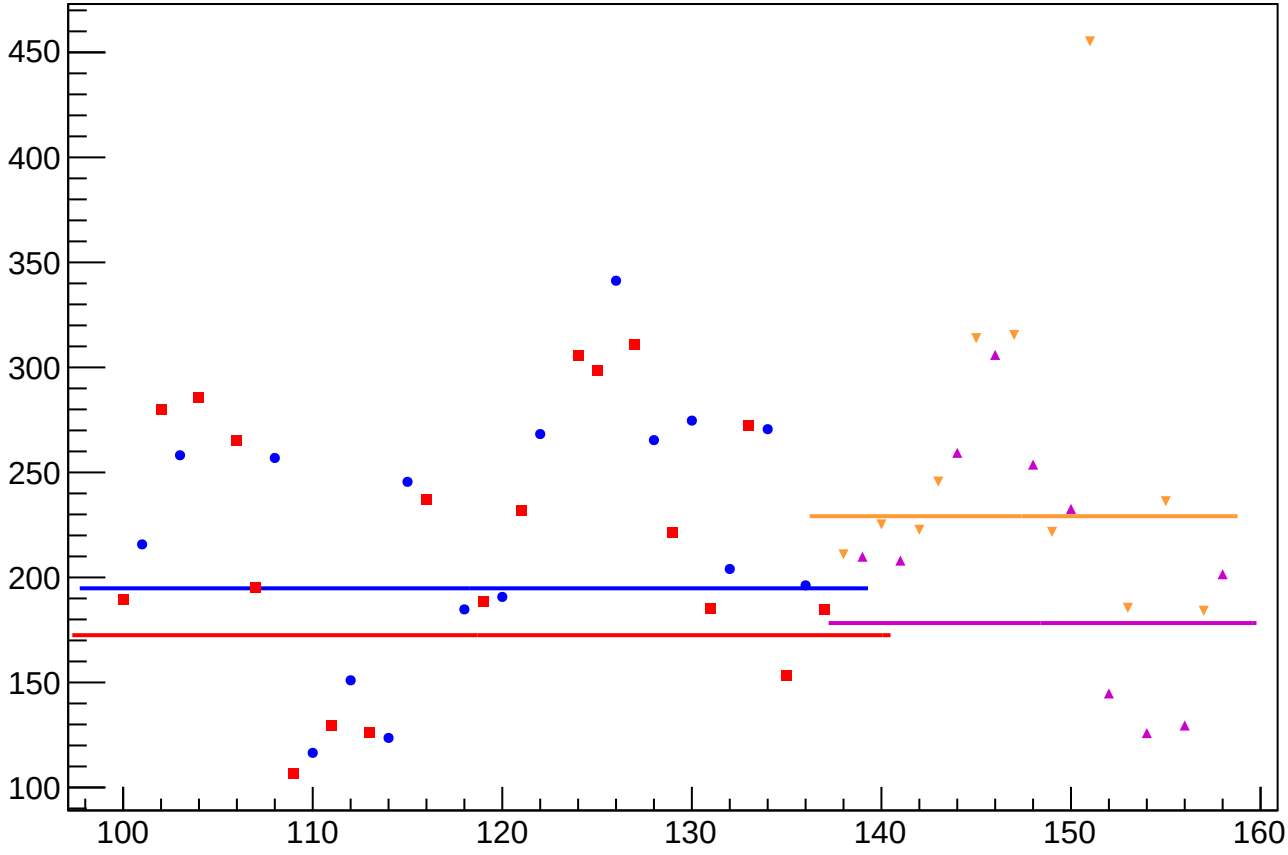
Left In: -174.401+/-65.393 χ^2/NDF:3.4/9

+ sign 75.261+/-55.602 χ^2/NDF: 24.8/26

All: 17.233+/-36.022 χ^2/NDF: 53.9/55

- sign -24.737+/-47.287 χ^2/NDF: 27.3/28

asym_bcm_an_ds3_rms vs Slug



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 229.156+/-0.057 χ^2/NDF:841013.7/10

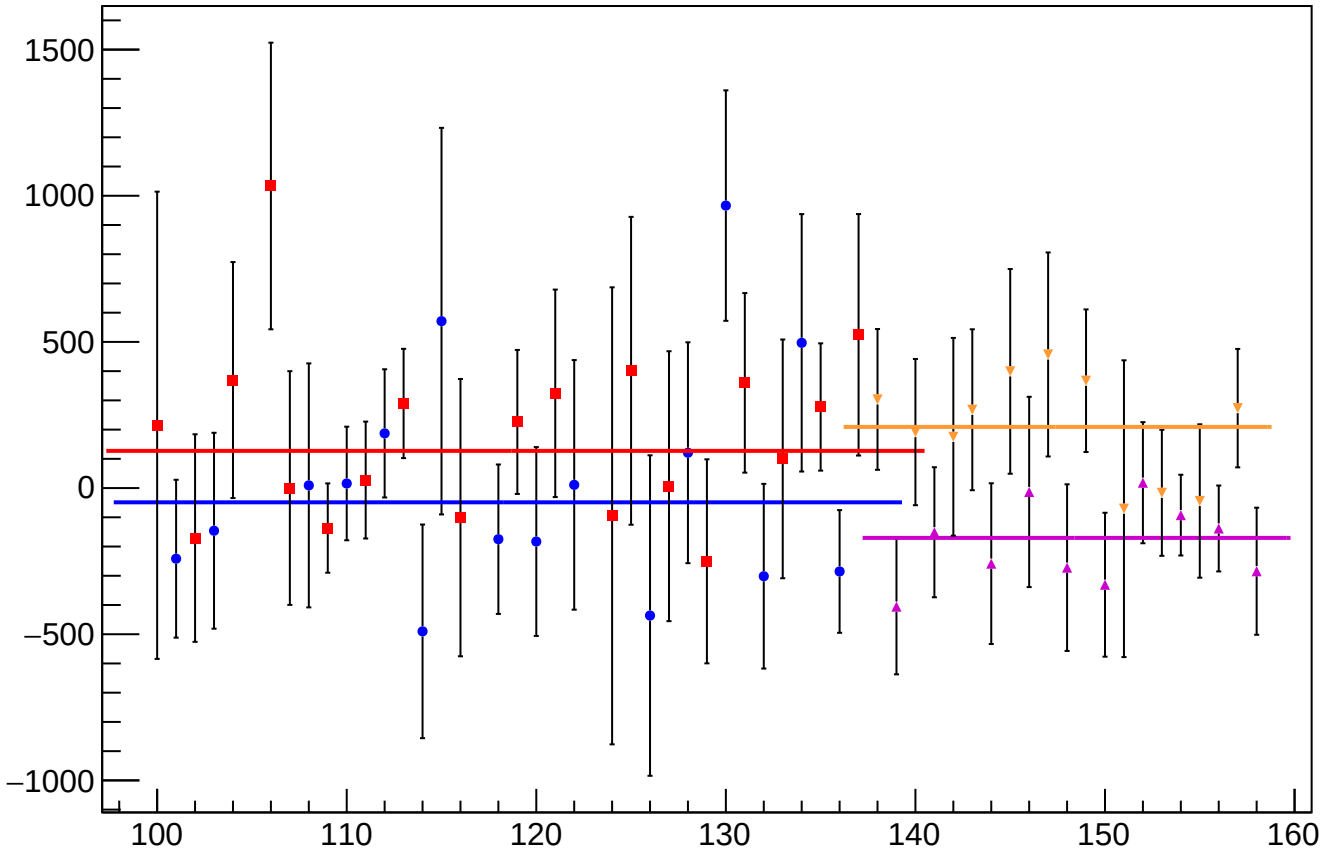
Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

Left In: 178.286+/-0.046 χ^2/NDF:1377407.9/9

+ sign 211.054+/-0.039 χ^2/NDF: 2070216.7/26

All: 190.439+/-0.025 χ^2/NDF: 5570905.1/55

- sign 175.529+/-0.033 χ^2/NDF: 3026920.0/28



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 209.241+/-80.945 χ^2/NDF:3.9/10

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

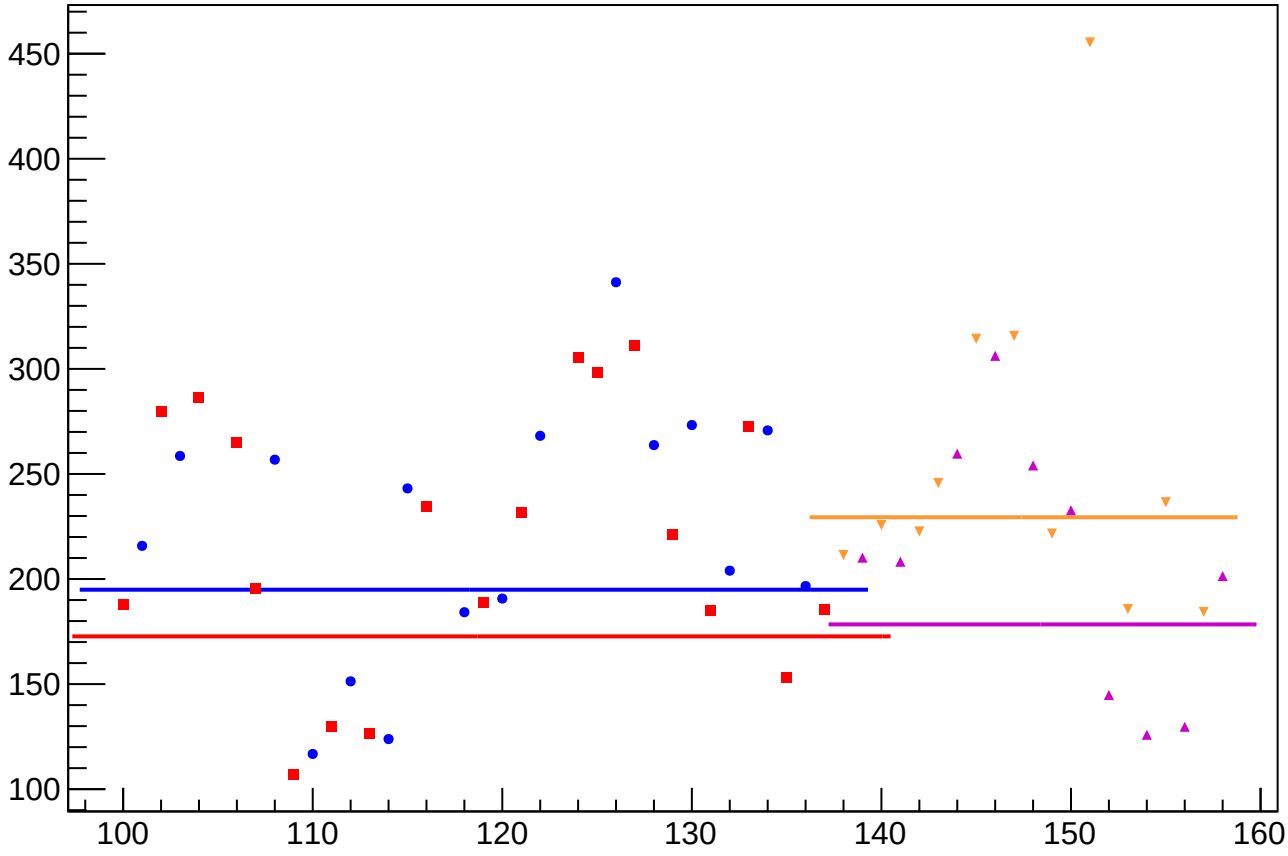
Left In: -170.438+/-65.440 χ^2/NDF:3.4/9

+ sign 73.122+/-55.634 χ^2/NDF: 24.7/26

All: 14.212+/-36.045 χ^2/NDF: 52.7/55

- sign -28.406+/-47.320 χ^2/NDF: 26.1/28

asym_bcm_an_us_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 229.399+/-0.057 χ^2/NDF:840050.1/10

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

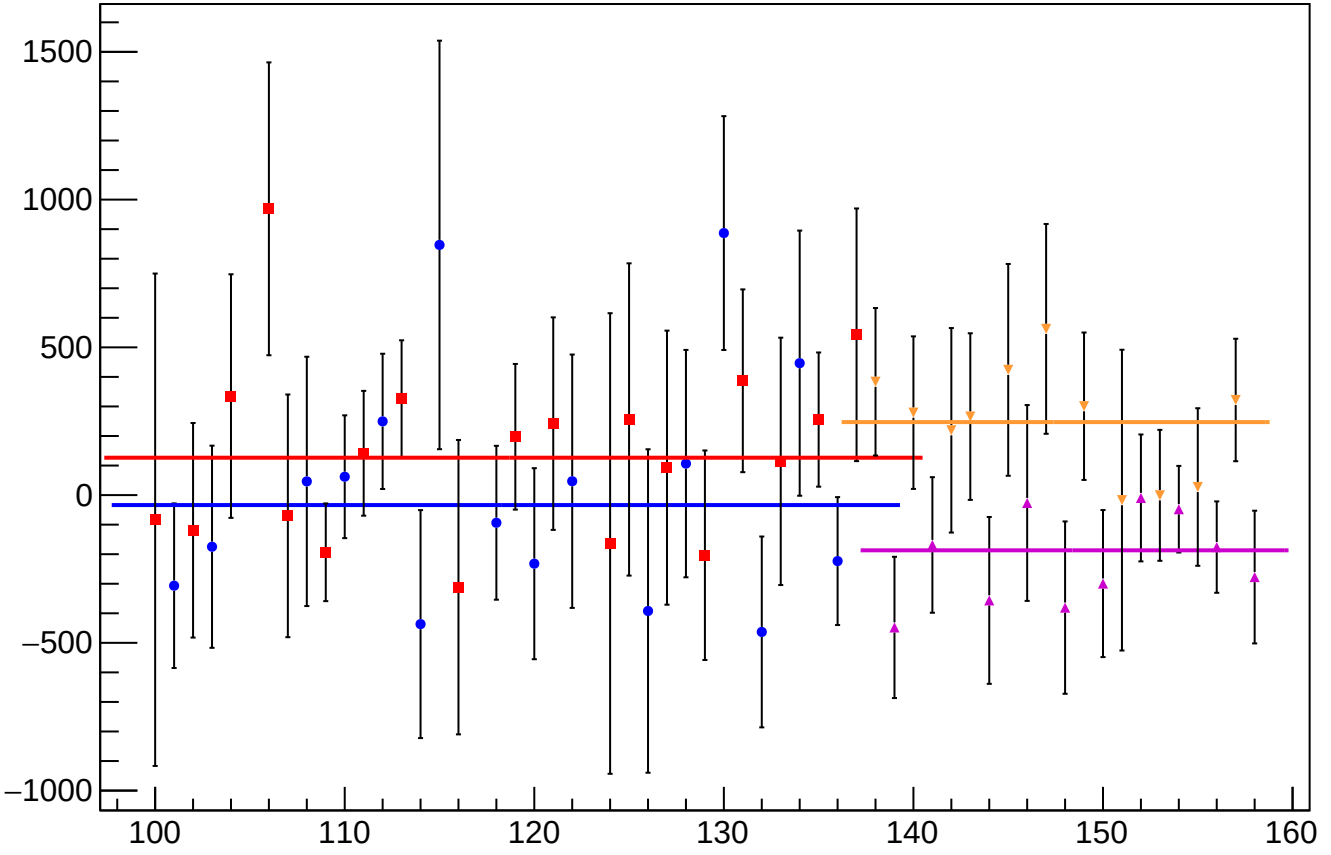
Left In: 178.408+/-0.046 χ^2/NDF:1378488.9/9

+ sign 211.209+/-0.039 χ^2/NDF: 2060384.9/26

All: 190.598+/-0.025 χ^2/NDF: 5550588.5/55

- sign 175.686+/-0.033 χ^2/NDF: 3017088.4/28

asym_bcm_dg_us_mean vs Slug



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 247.053+/-82.940 χ^2/NDF:3.7/10

Right Out: 126.563+/-71.309 χ^2/NDF: 12.7/18

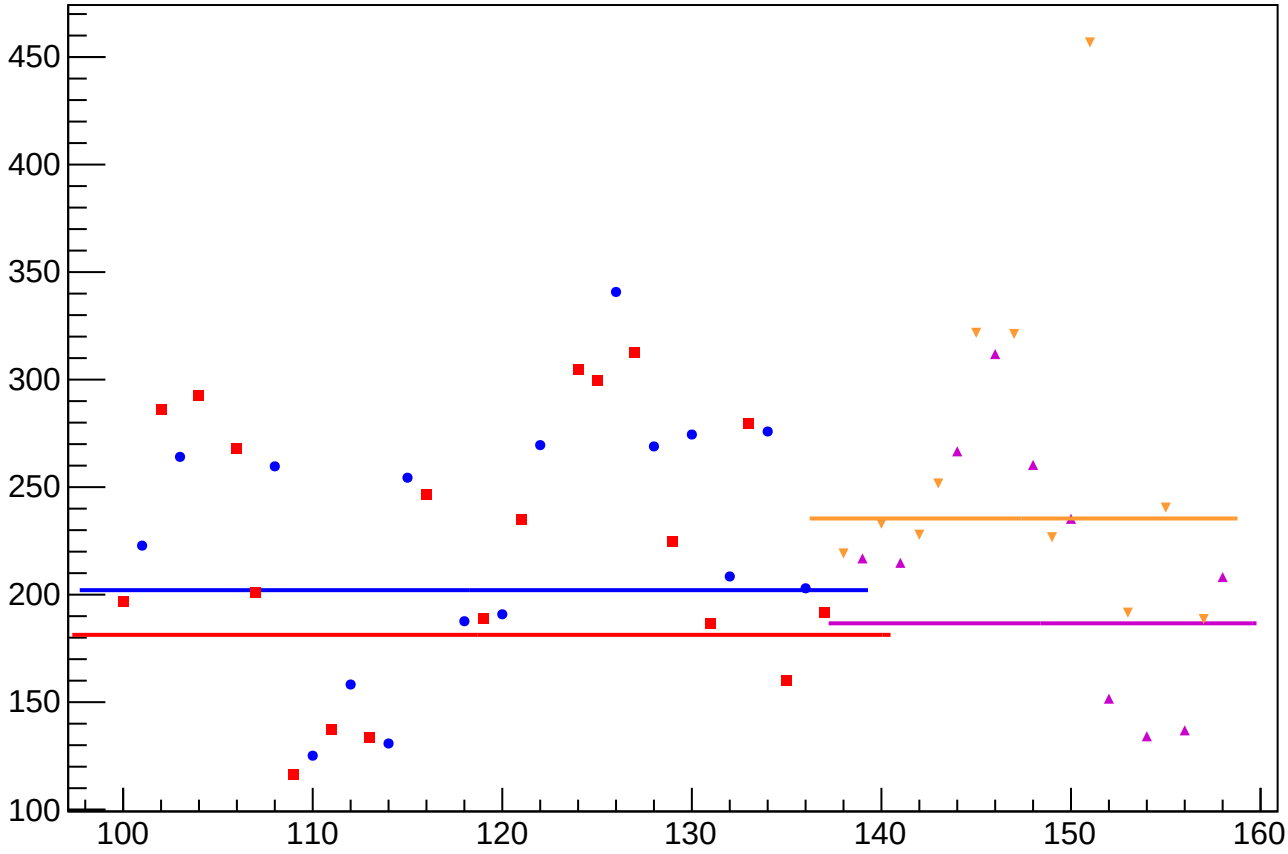
Left In: -186.902+/-68.050 χ^2/NDF:4.2/9

+ sign 99.826+/-57.202 χ^2/NDF: 25.5/26

All: 20.938+/-37.314 χ^2/NDF: 55.8/55

- sign -37.495+/-49.231 χ^2/NDF: 27.0/28

asym_bcm_dg_us_rms vs Slug



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 235.423+/-0.059 χ^2/NDF:810795.3/10

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

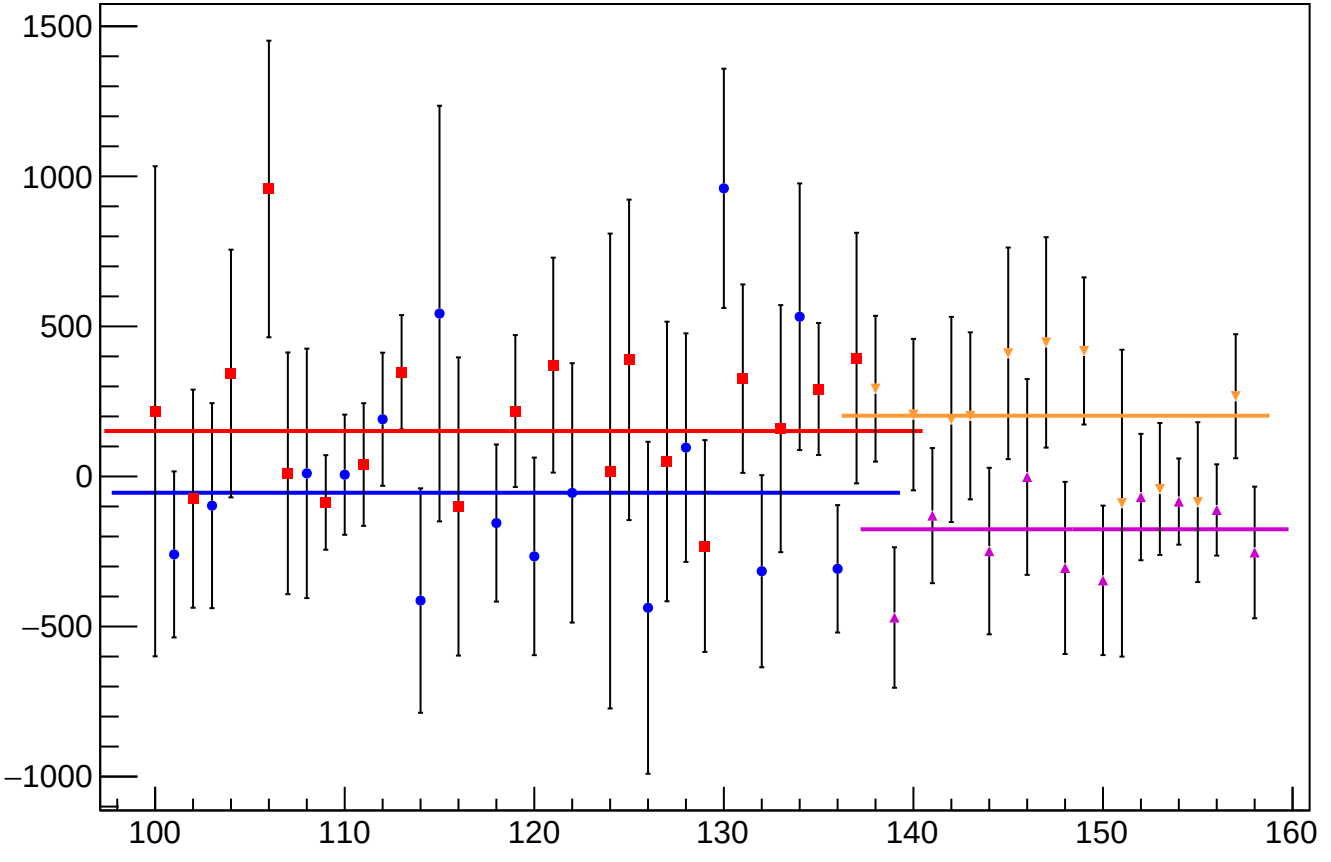
Left In: 186.668+/-0.048 χ^2/NDF:1247615.1/9

+ sign 217.945+/-0.040 χ^2/NDF: 1890439.3/26

All: 198.511+/-0.026 χ^2/NDF: 4986819.4/55

- sign 184.115+/-0.035 χ^2/NDF: 2694509.2/28

asym_bcm_dg_ds_mean vs Slug



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 202.484+/-81.914 χ^2/NDF:4.6/10

Right Out: 151.358+/-69.902 χ^2/NDF: 10.2/18

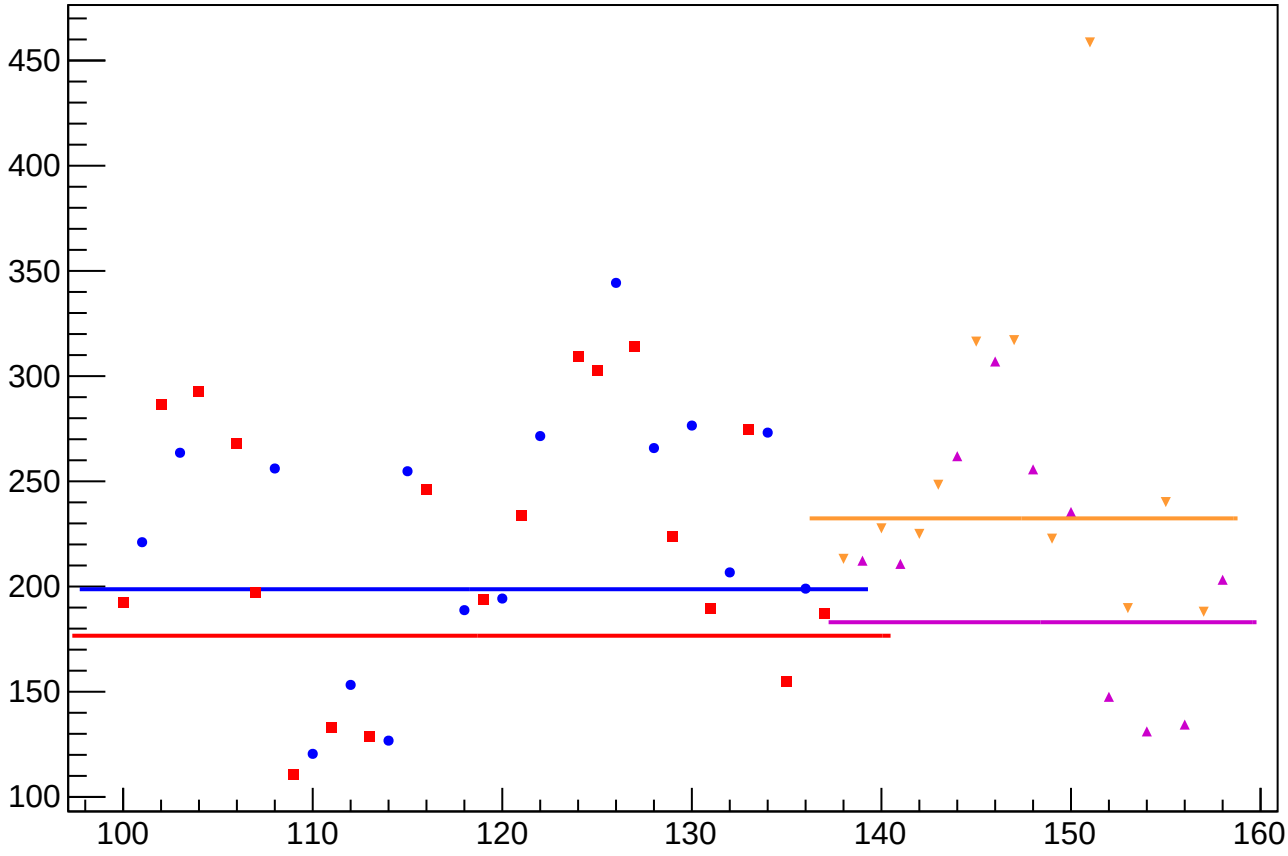
Left In: -176.002+/-66.850 χ^2/NDF:3.6/9

+ sign 67.745+/-56.467 χ^2/NDF: 24.8/26

All: 17.302+/-36.710 χ^2/NDF: 51.5/55

- sign -19.625+/-48.313 χ^2/NDF: 25.3/28

asym_bcm_dg_ds_rms vs Slug



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 232.391+/-0.058 χ^2/NDF:814989.1/10

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

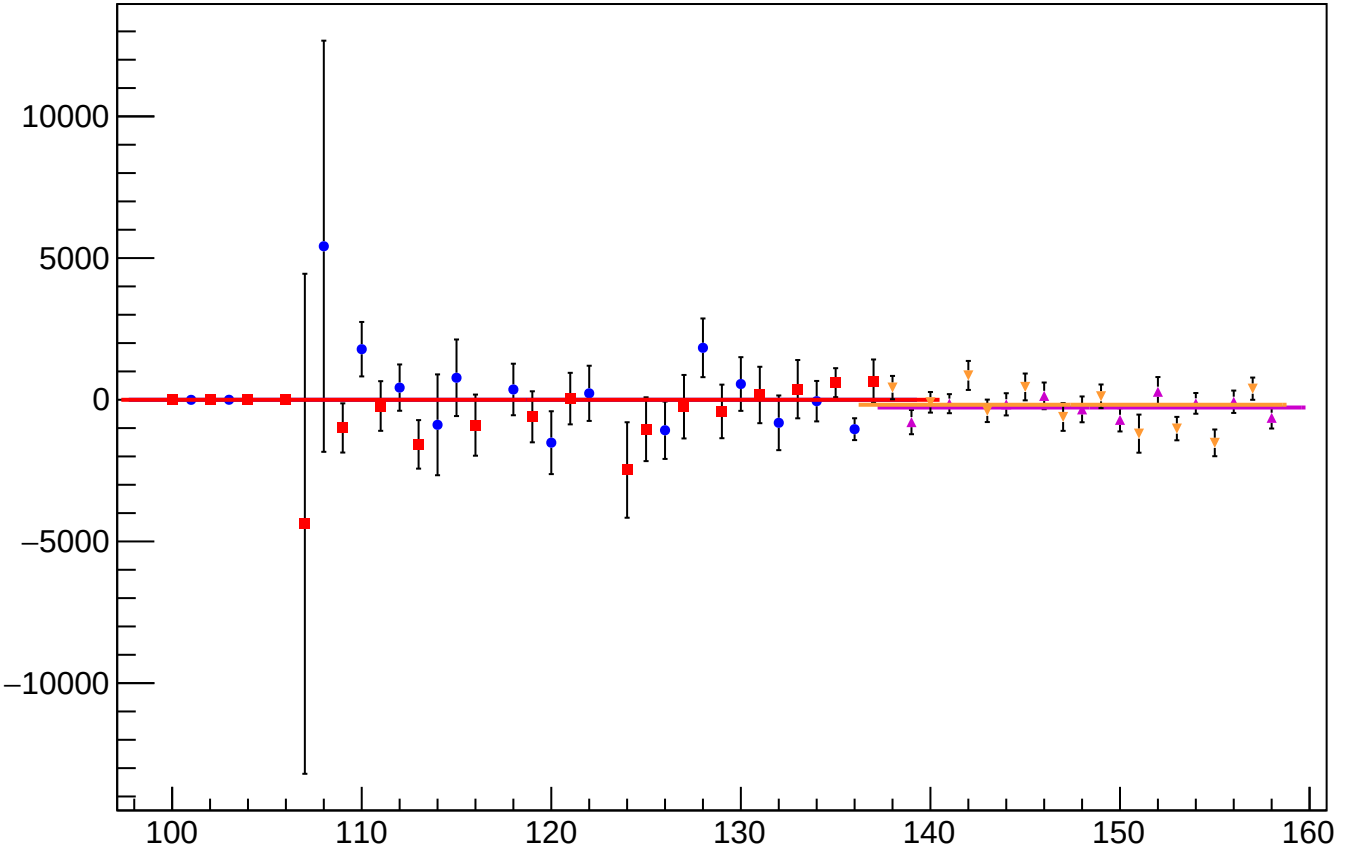
Left In: 183.036+/-0.047 χ^2/NDF:1268418.9/9

+ sign 214.720+/-0.040 χ^2/NDF: 1986425.5/26

All: 194.658+/-0.026 χ^2/NDF: 5296608.3/55

- sign 179.972+/-0.034 χ^2/NDF: 2872925.7/28

asym_cav4bQ_mean vs Slug



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: -176.376+/-132.357 χ^2/NDF:26.3/10

Right Out: -1.377+/-2.022 χ^2/NDF: 16.8/18

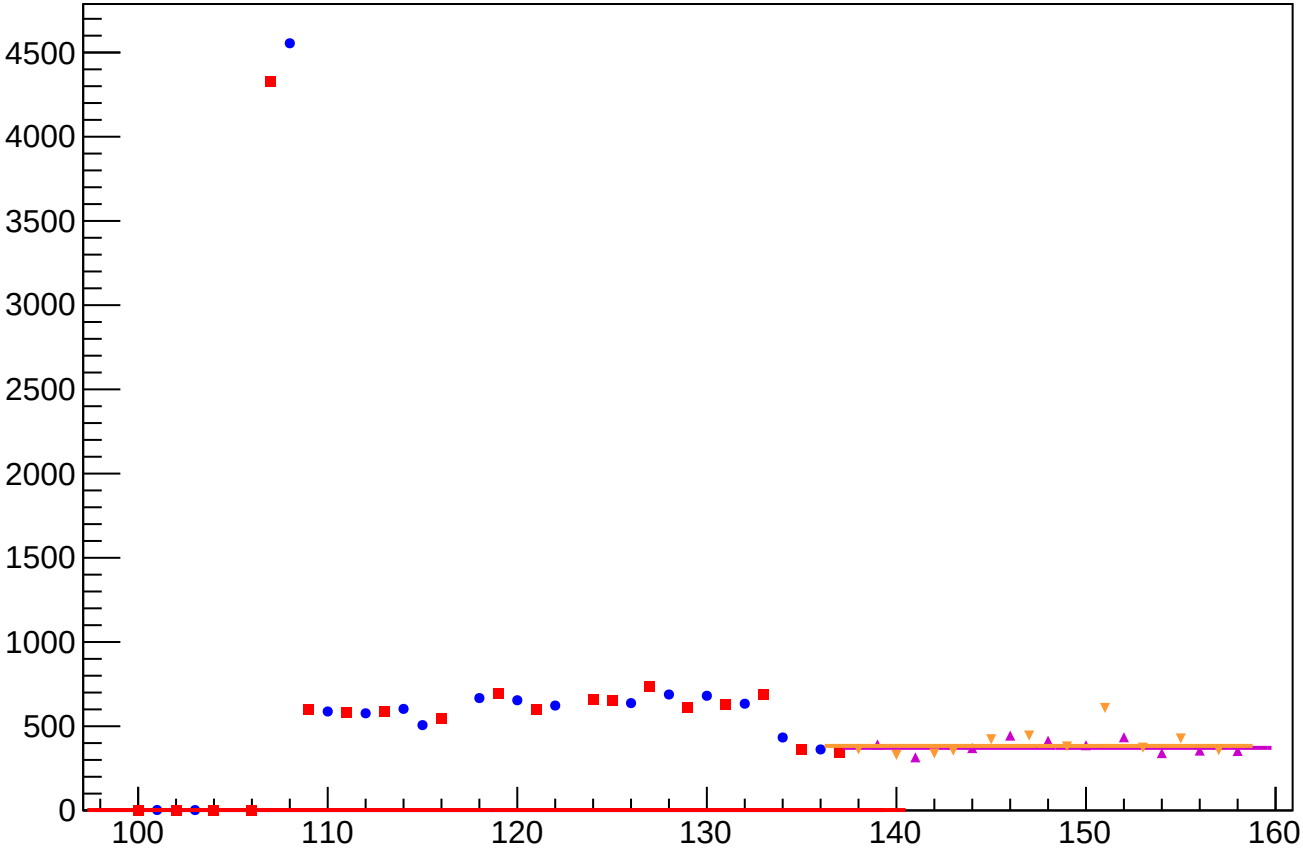
Left In: -273.575+/-128.365 χ^2/NDF:6.1/9

+ sign -1.286+/-2.171 χ^2/NDF: 48.0/26

All: -1.371+/-1.480 χ^2/NDF: 75.4/55

- sign -1.445+/-2.022 χ^2/NDF: 27.4/28

asym_cav4bQ_rms vs Slug



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 383.228+/-0.094 χ^2/NDF:372377.9/10

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

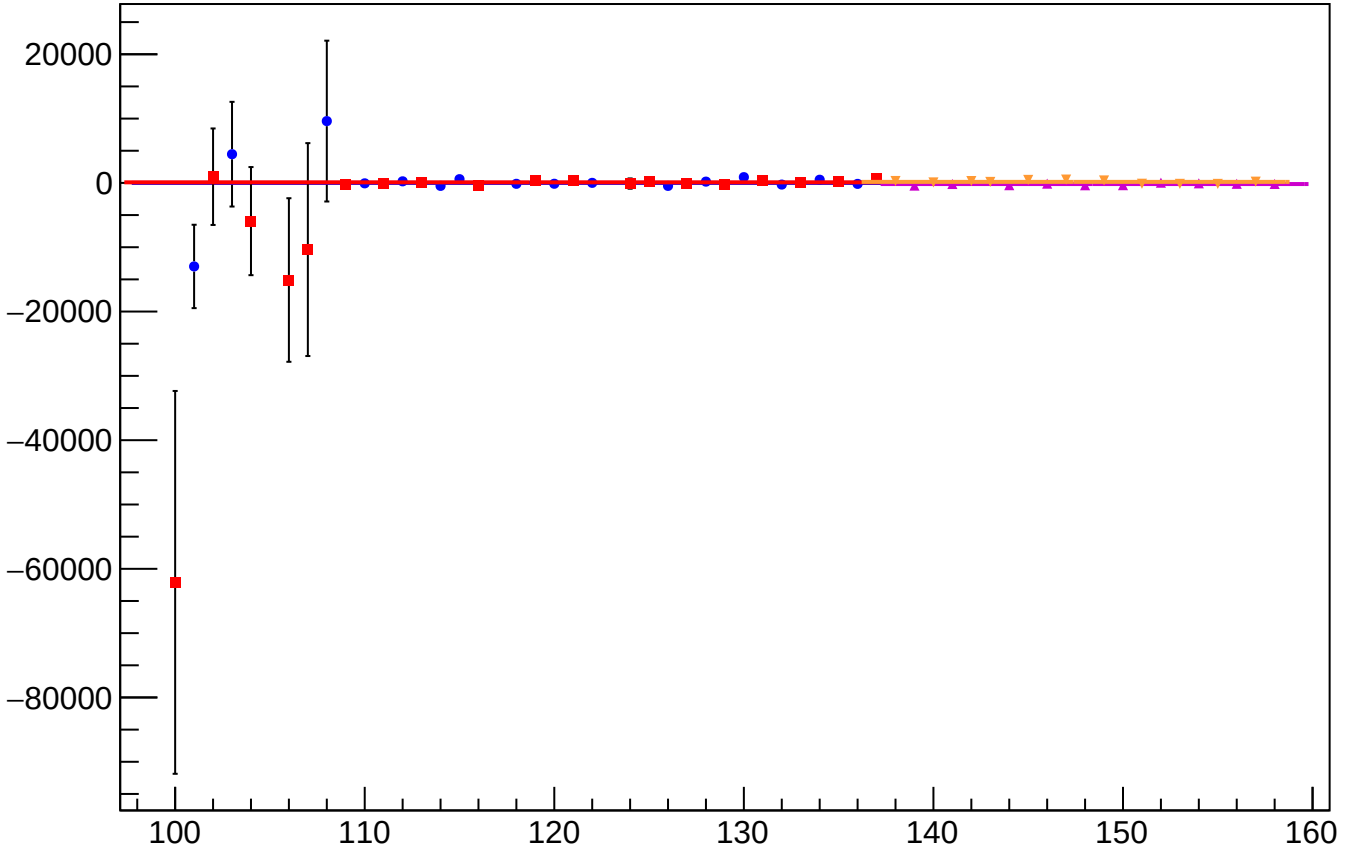
Left In: 371.671+/-0.091 χ^2/NDF:180818.9/9

+ sign 2.579+/-0.002 χ^2/NDF: 28544908.3/26

All: 2.566+/-0.001 χ^2/NDF: 56812752.5/55

- sign 2.554+/-0.001 χ^2/NDF: 28267698.7/28

asym_cav4cQ_mean vs Slug



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 159.495+/-87.583 χ^2/NDF:6.0/10

Right Out: 88.089+/-81.605 χ^2/NDF: 14.9/18

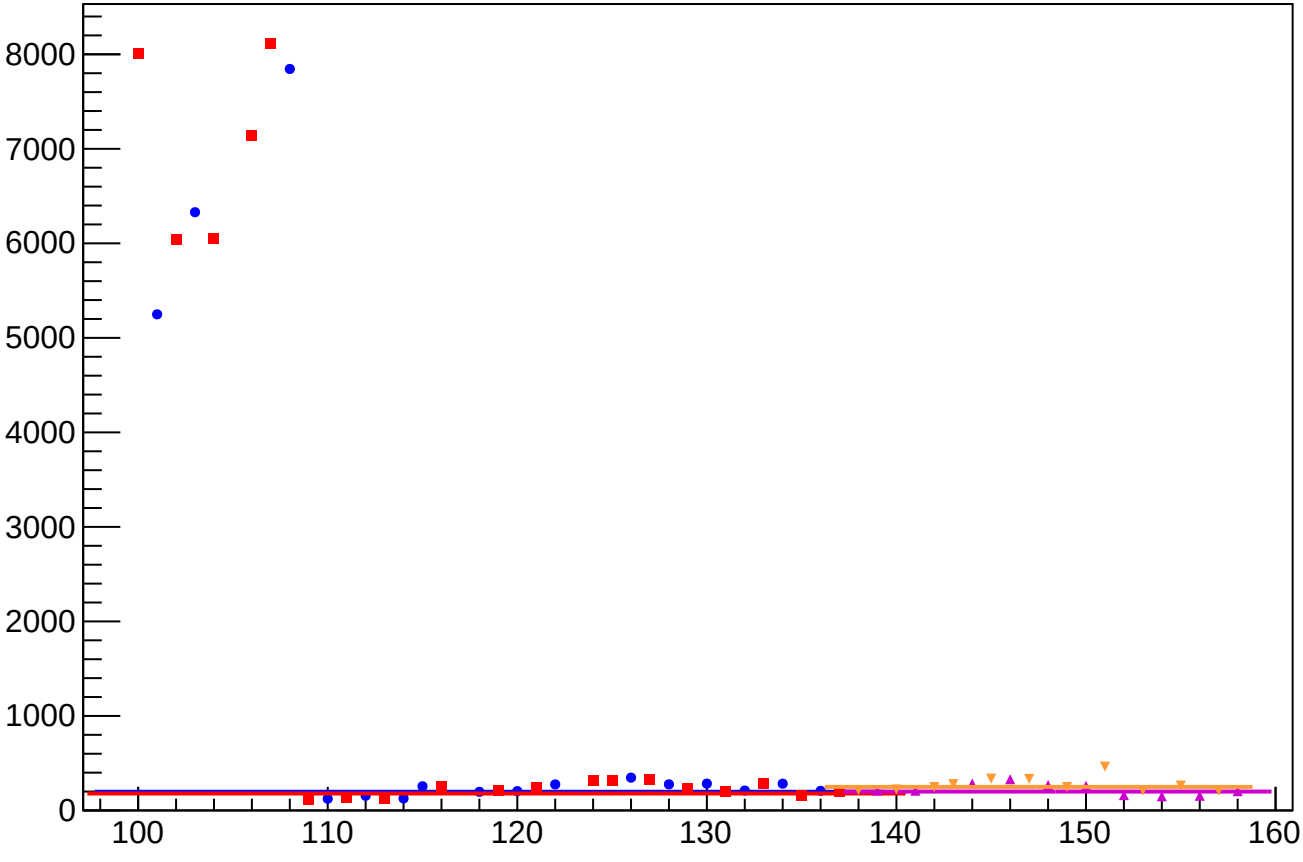
Left In: -176.858+/-72.254 χ^2/NDF:3.7/9

+ sign 80.252+/-62.015 χ^2/NDF: 24.4/26

All: 0.363+/-40.766 χ^2/NDF: 51.8/55

- sign -60.428+/-54.097 χ^2/NDF: 24.4/28

asym_cav4cQ_rms vs Slug



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 249.077+/-0.062 χ^2/NDF:766793.5/10

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

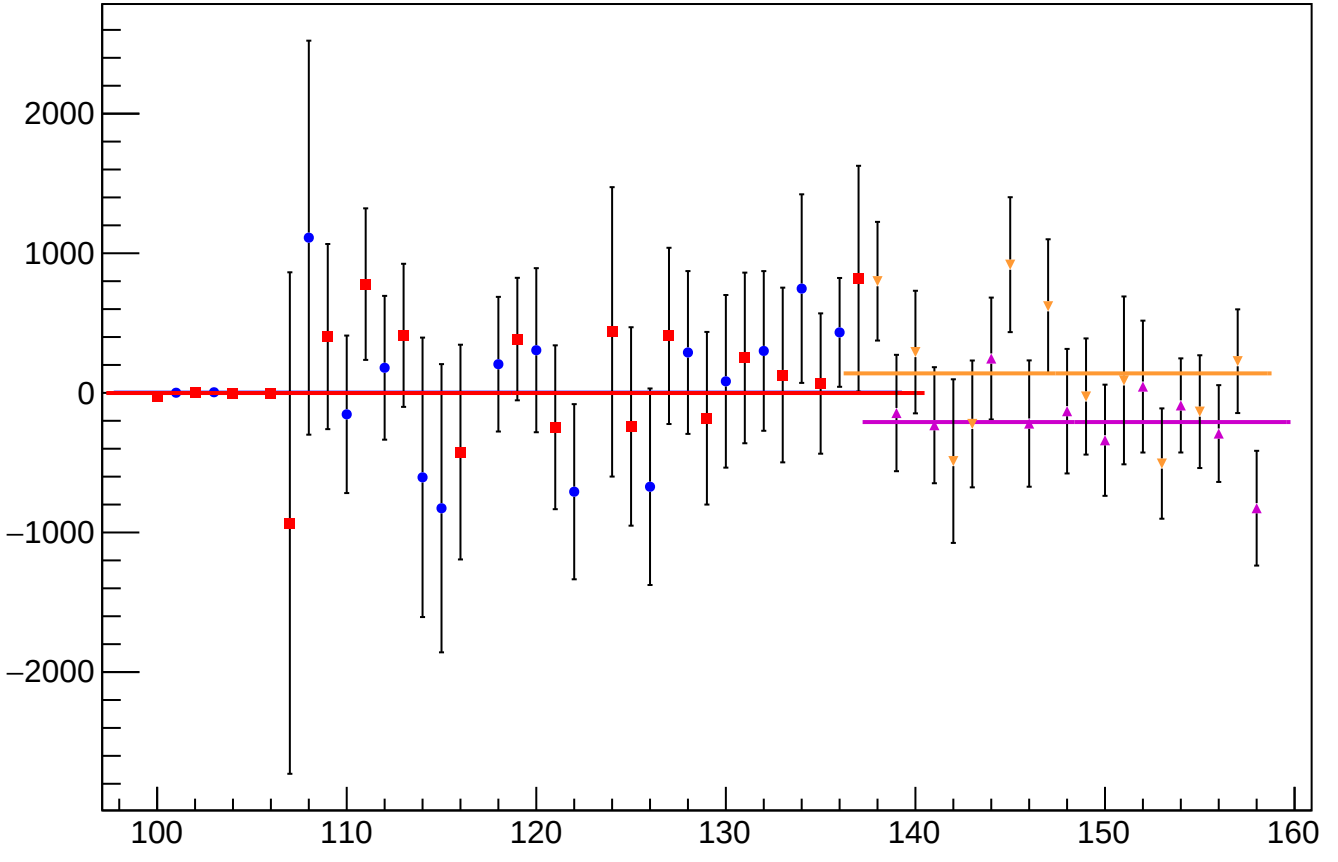
Left In: 199.911+/-0.051 χ^2/NDF:1019035.2/9

+ sign 223.419+/-0.044 χ^2/NDF: 5068226.9/26

All: 204.913+/-0.029 χ^2/NDF: 10891157.1/55

- sign 190.831+/-0.038 χ^2/NDF: 5509324.4/28

asym_cav4dQ_mean vs Slug



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 139.626+/-134.328 χ^2/NDF:11.3/10

Right Out: -1.094+/-1.528 χ^2/NDF: 9.2/18

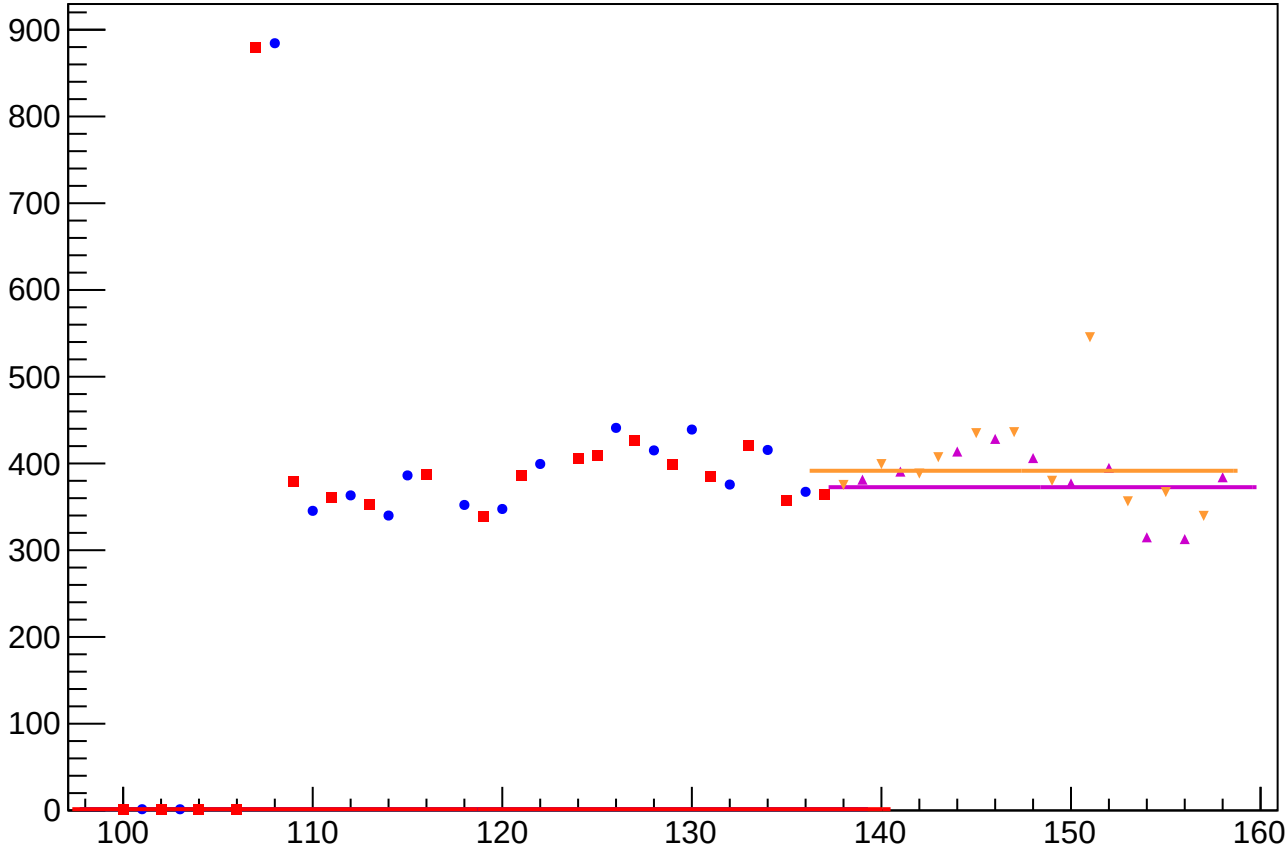
Left In: -209.082+/-128.535 χ^2/NDF:4.0/9

+ sign 1.477+/-1.660 χ^2/NDF: 20.2/26

All: 0.069+/-1.124 χ^2/NDF: 37.3/55

- sign -1.123+/-1.528 χ^2/NDF: 15.8/28

asym_cav4dQ_rms vs Slug



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 391.583+/-0.095 χ^2/NDF:234383.5/10

Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

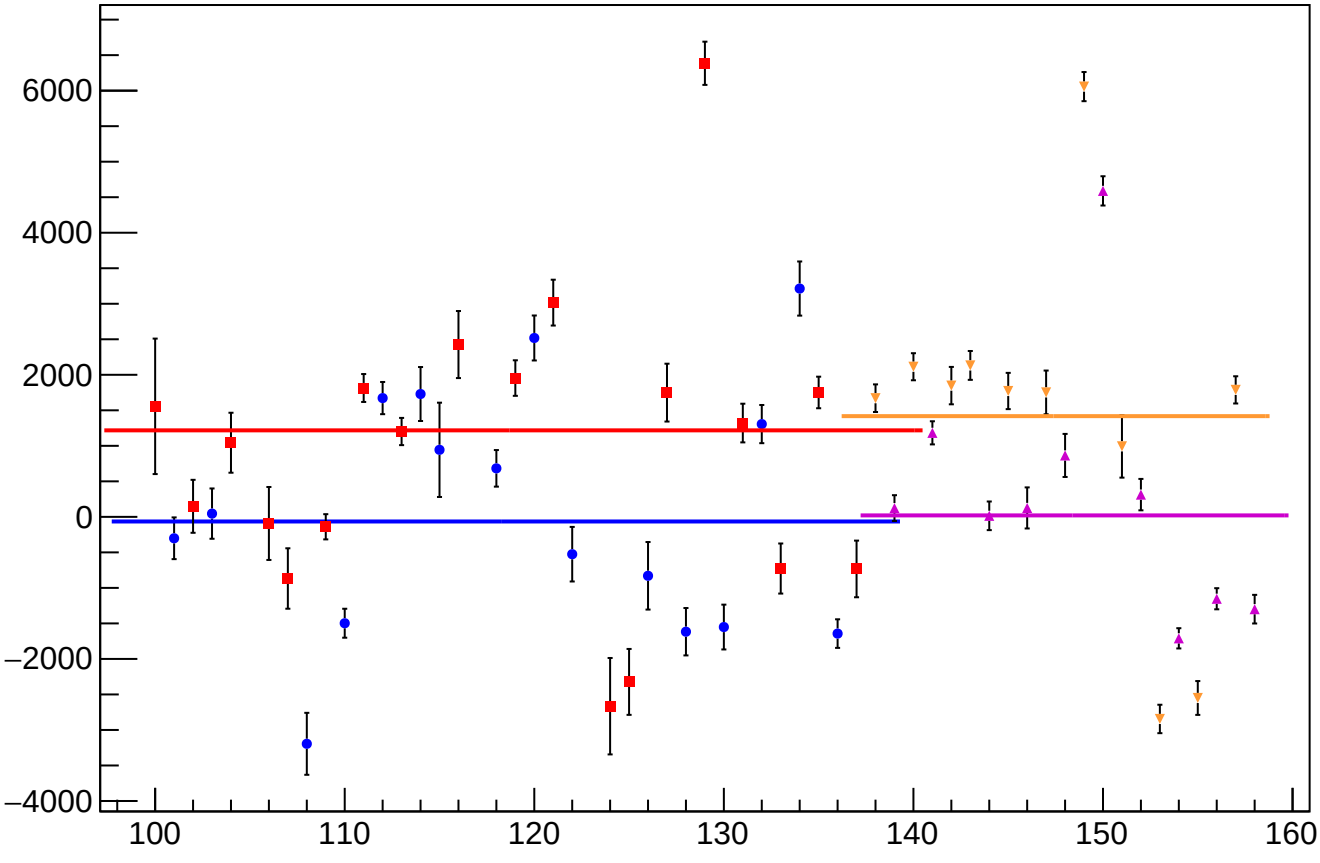
Left In: 372.663+/-0.091 χ^2/NDF:188412.1/9

\+ sign 1.530+/-0.001 χ^2/NDF: 28835819.7/26

All: 1.524+/-0.001 χ^2/NDF: 56972103.3/55

\- sign 1.520+/-0.001 χ^2/NDF: 28136242.9/28

asym_bcm0l02_mean vs Slug



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 1417.914+/-67.834 χ^2/NDF:1280.5/10

Right Out: 1217.846+/-69.022 χ^2/NDF: 594.6/18

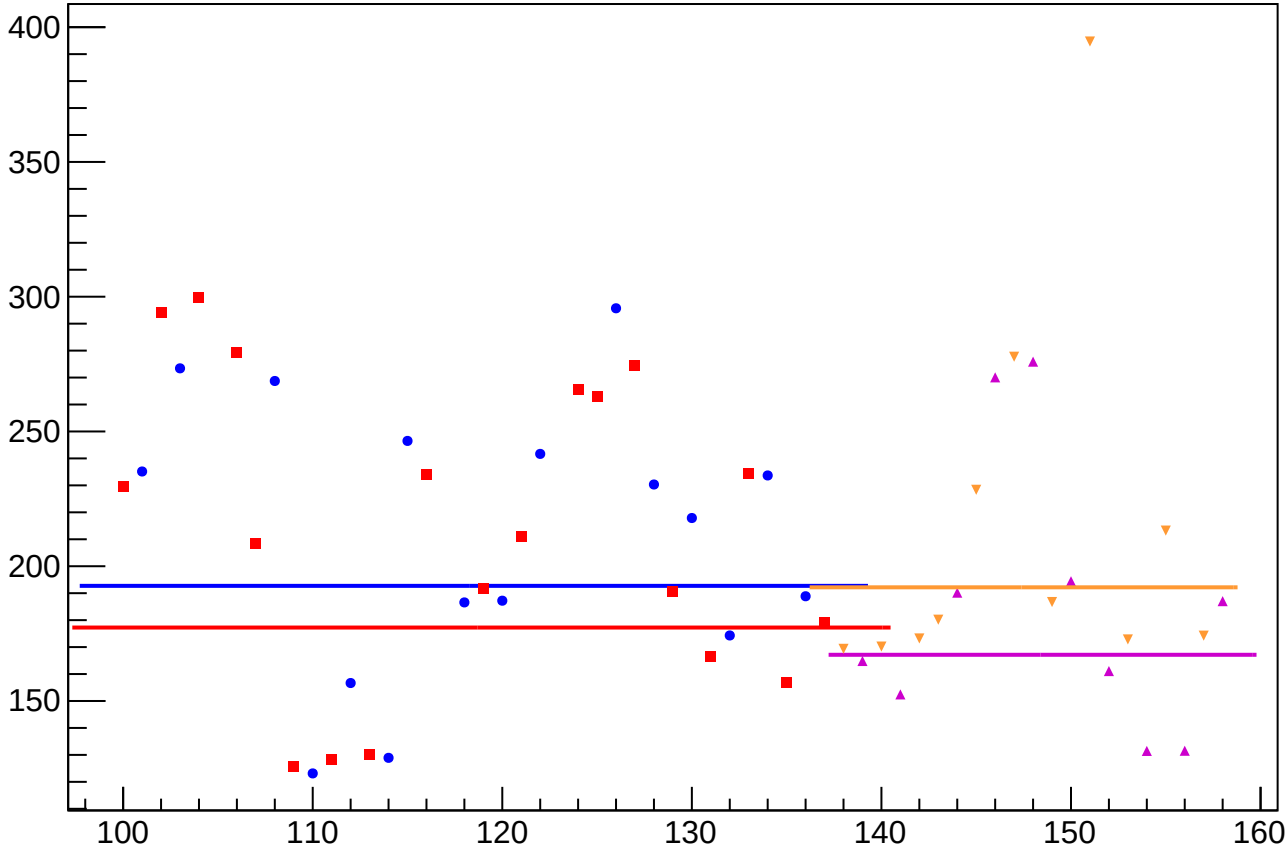
Left In: 20.618+/-59.912 χ^2/NDF:805.6/9

\+ sign 749.638+/-50.278 χ^2/NDF: 1965.3/26

All: 631.071+/-33.632 χ^2/NDF: 3547.2/55

\- sign 535.054+/-45.245 χ^2/NDF: 1571.8/28

asym_bcm0l02_rms vs Slug



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 192.173+/-0.048 χ^2/NDF:742316.6/10

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

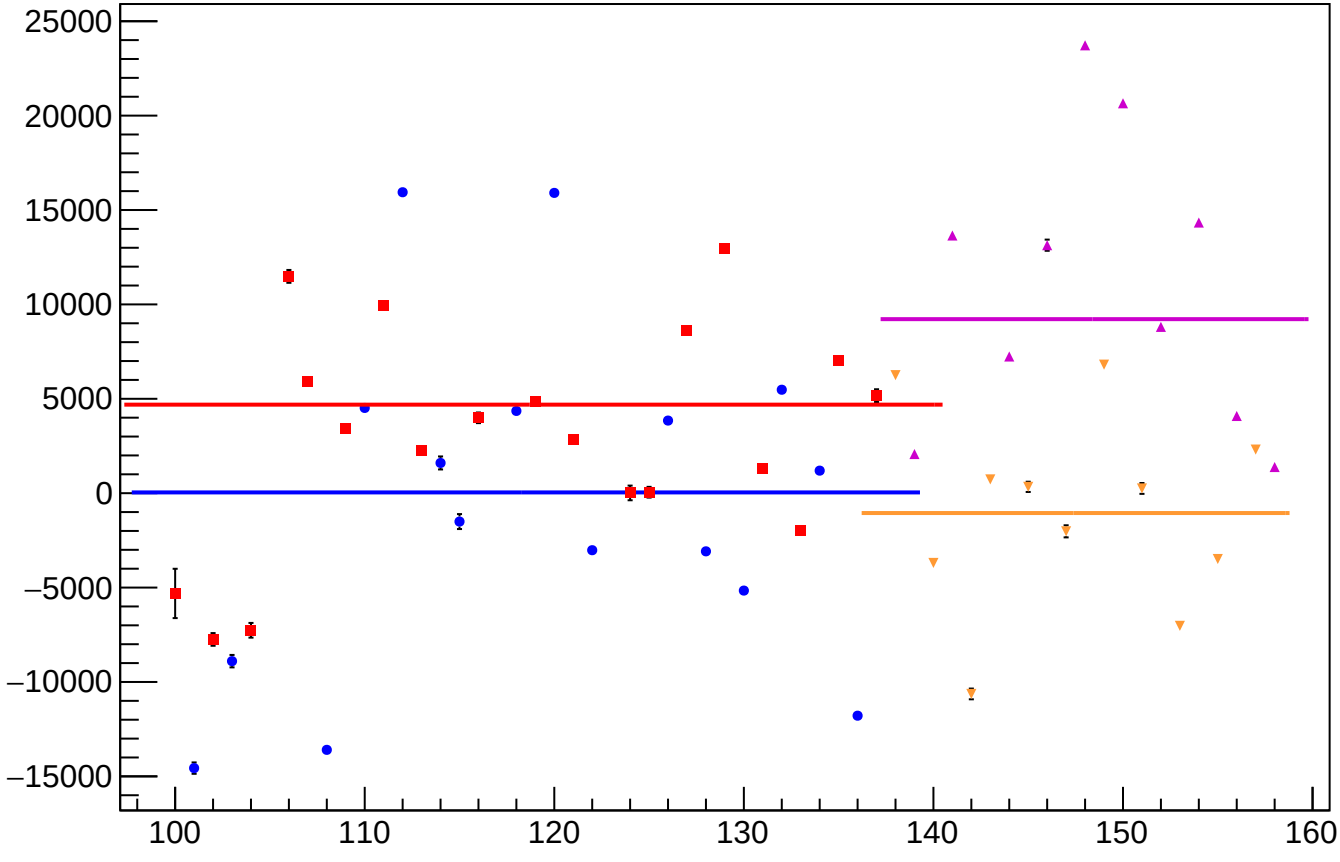
Left In: 167.141+/-0.042 χ^2/NDF:849890.8/9

+ sign 192.419+/-0.036 χ^2/NDF: 1501521.3/26

All: 180.852+/-0.024 χ^2/NDF: 3793641.1/55

- sign 171.486+/-0.032 χ^2/NDF: 2100542.0/28

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -1051.393+/-60.652 χ^2/NDF:6562.3/10

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

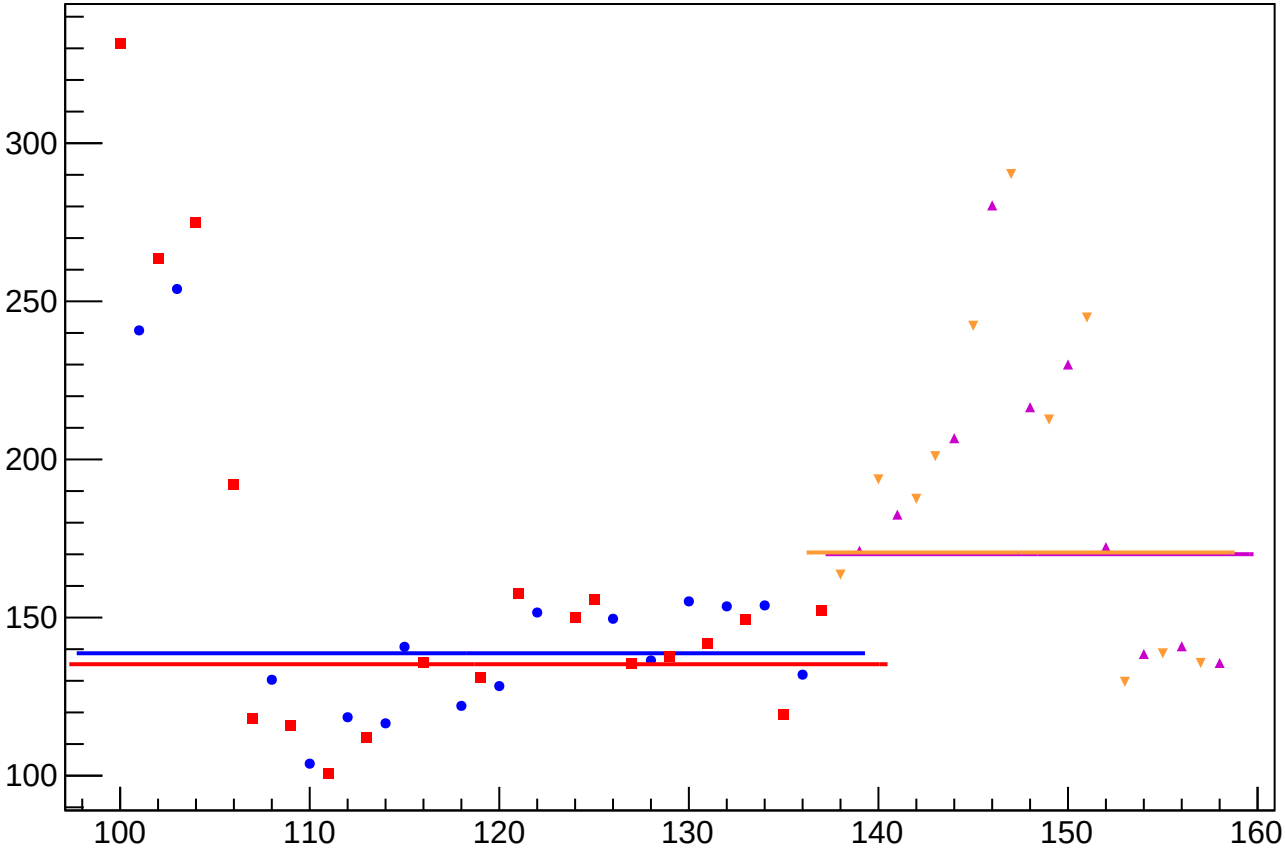
Left In: 9218.937+/-60.616 χ^2/NDF:12984.8/9

+ sign -444.053+/-40.414 χ^2/NDF: 37528.9/26

All: 3164.844+/-28.252 χ^2/NDF: 77115.6/55

- sign 6613.874+/-39.509 χ^2/NDF: 23991.7/28

asym_bpm0i02WS_rms vs Slug



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 170.587+/-0.043 χ^2/NDF:1043827.7/10

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

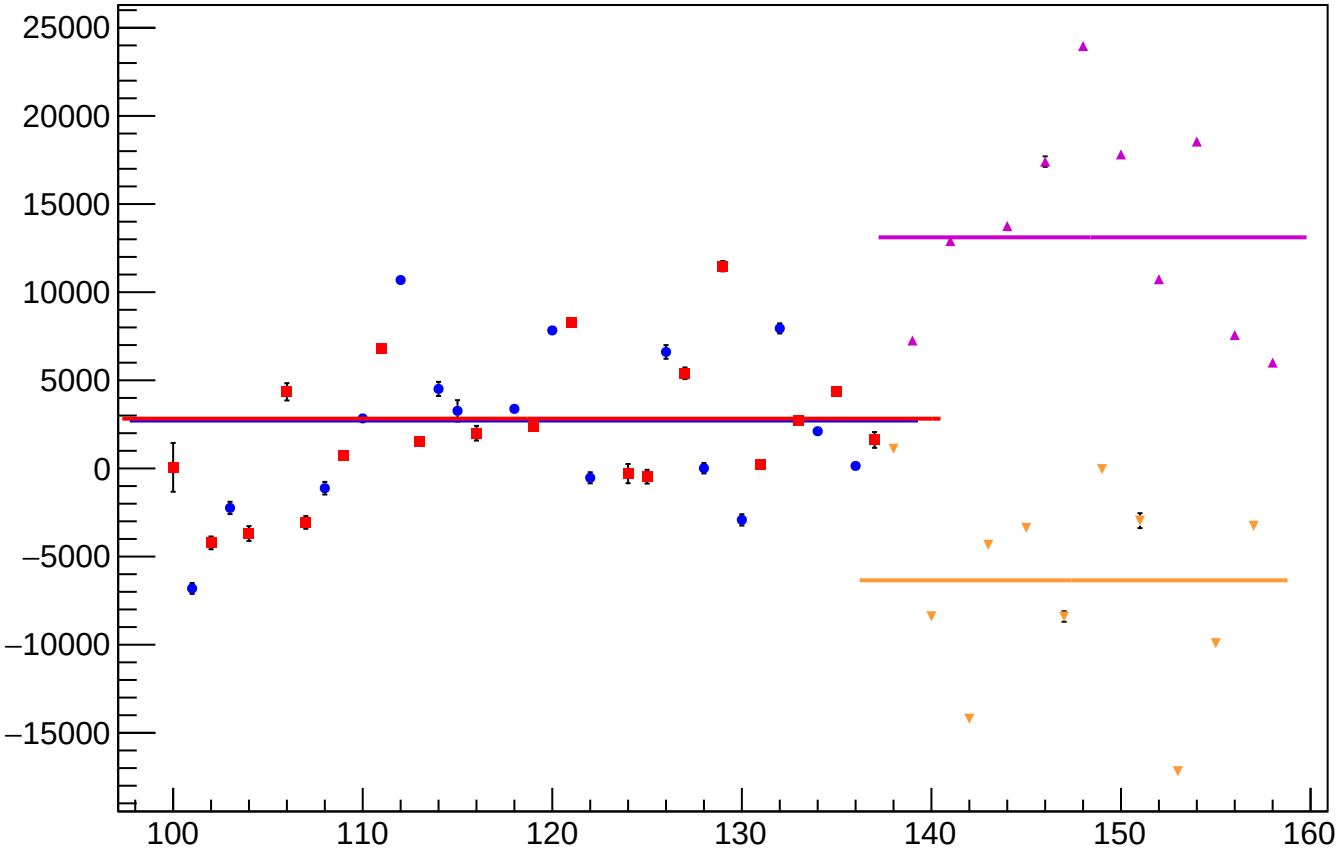
Left In: 170.038+/-0.043 χ^2/NDF:802836.4/9

+ sign 152.864+/-0.029 χ^2/NDF: 2008751.2/26

All: 151.413+/-0.020 χ^2/NDF: 4085649.3/55

- sign 150.026+/-0.028 χ^2/NDF: 2071856.0/28

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -6346.781+/-71.145 χ^2/NDF:6750.5/10

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

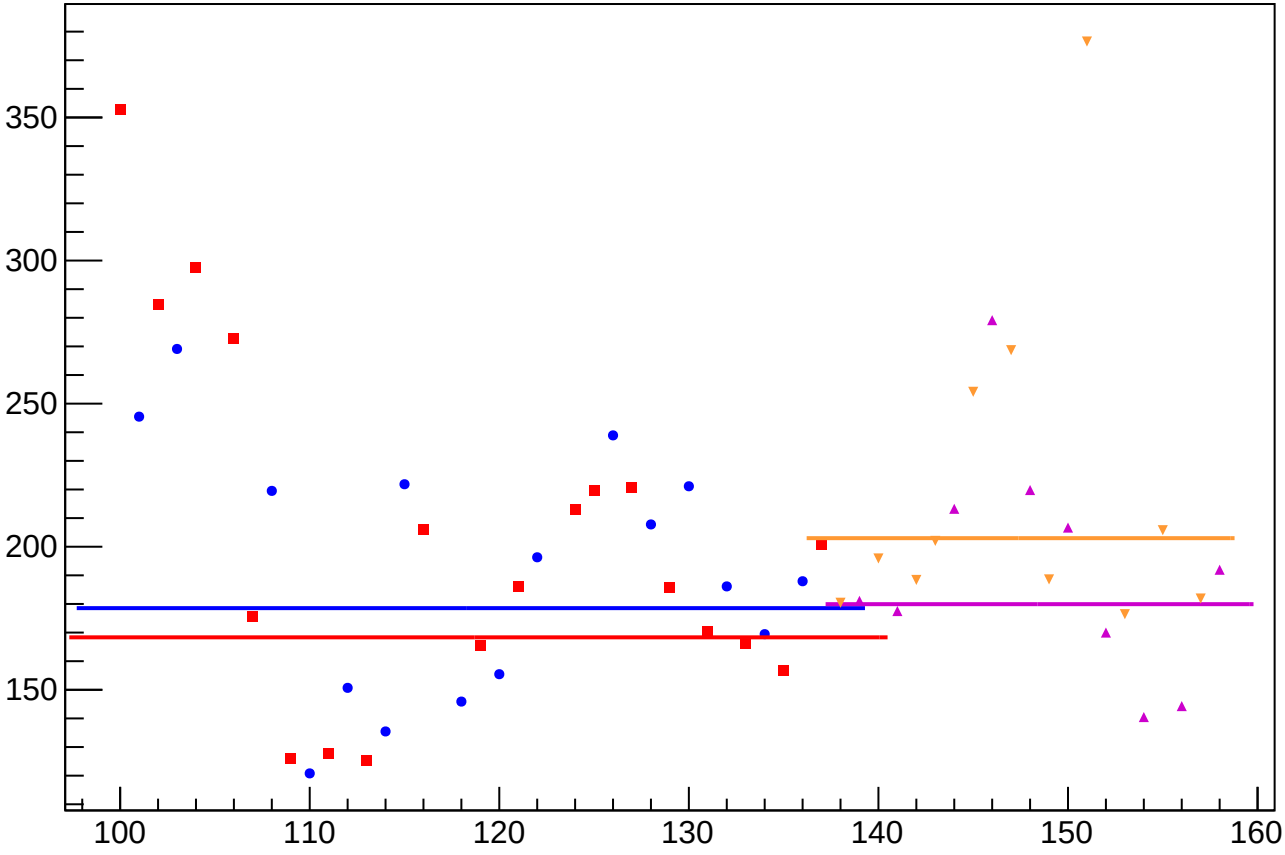
Left In: 13110.901+/-63.887 χ^2/NDF:7227.5/9

+ sign -1690.913+/-49.622 χ^2/NDF: 19219.8/26

All: 3596.495+/-33.541 χ^2/NDF: 63184.2/55

- sign 8044.212+/-45.512 χ^2/NDF: 23060.3/28

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 202.990+/-0.050 χ^2/NDF:596505.0/10

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

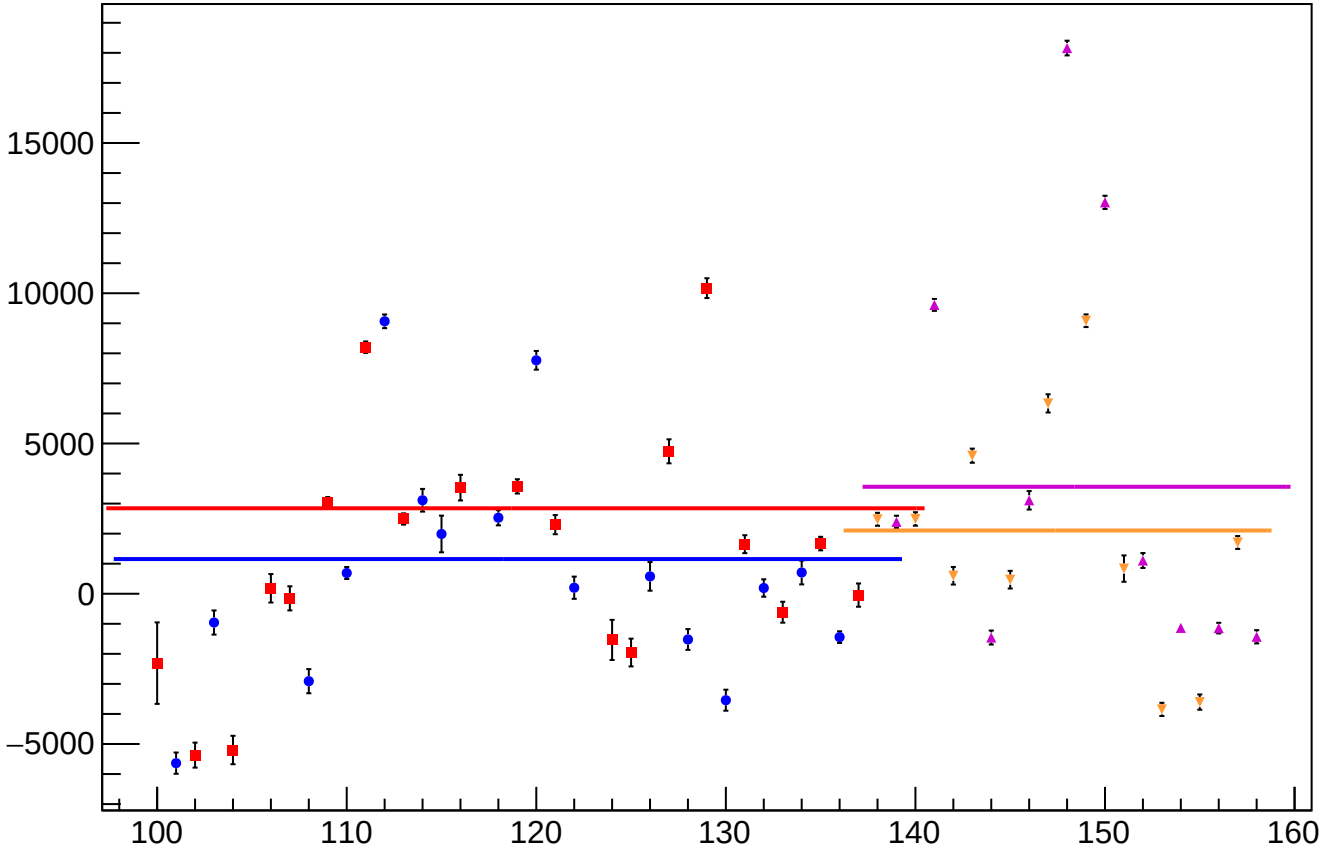
Left In: 179.927+/-0.045 χ^2/NDF:592338.2/9

+ sign 190.435+/-0.035 χ^2/NDF: 1392364.2/26

All: 181.627+/-0.024 χ^2/NDF: 3112646.9/55

- sign 174.218+/-0.032 χ^2/NDF: 1604257.2/28

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 2104.168+/-74.779 χ^2/NDF:2714.0/10

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

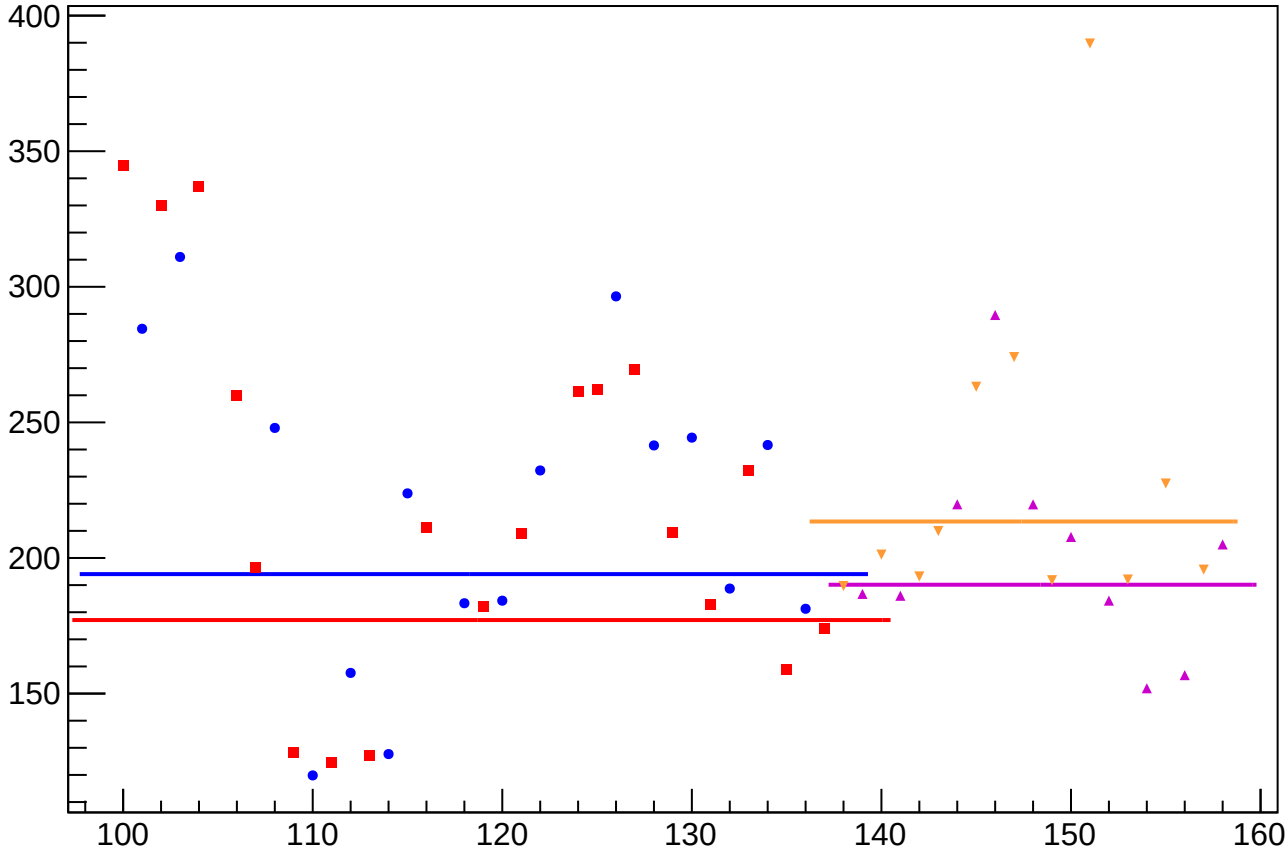
Left In: 3559.811+/-67.313 χ^2/NDF:8940.6/9

+ sign 1636.418+/-53.288 χ^2/NDF: 5448.9/26

All: 2502.207+/-35.759 χ^2/NDF: 17377.9/55

- sign 3211.431+/-48.230 χ^2/NDF: 11448.8/28

asym_bpm0i05WS_rms vs Slug



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 213.457+/-0.053 χ^2/NDF:558570.9/10

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

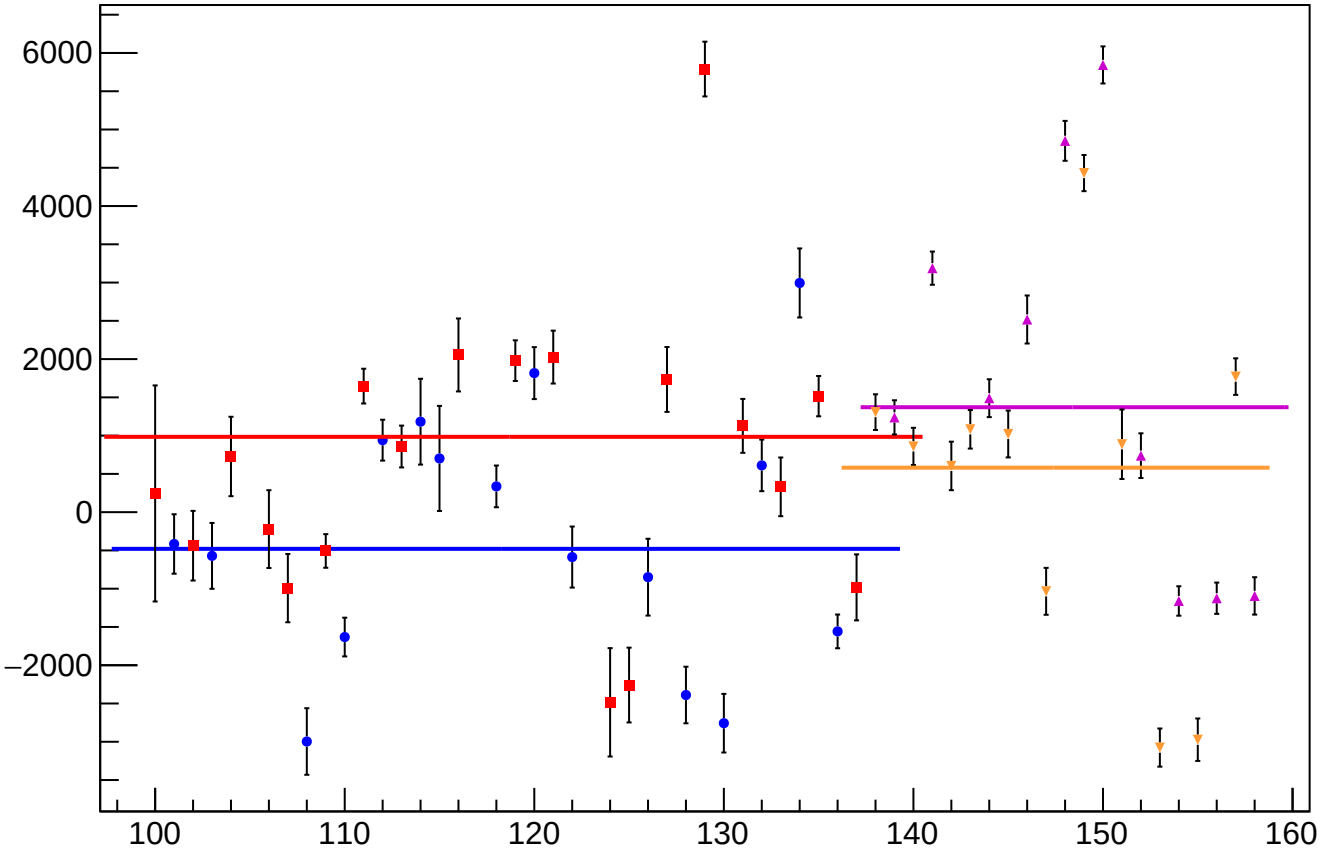
Left In: 190.137+/-0.048 χ^2/NDF:473246.4/9

+ sign 203.906+/-0.038 χ^2/NDF: 1590634.3/26

All: 192.854+/-0.025 χ^2/NDF: 3616159.6/55

- sign 183.800+/-0.034 χ^2/NDF: 1869017.4/28

asym_bpm0i07WS_mean vs Slug



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 581.403+/-81.179 χ^2/NDF:715.3/10

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

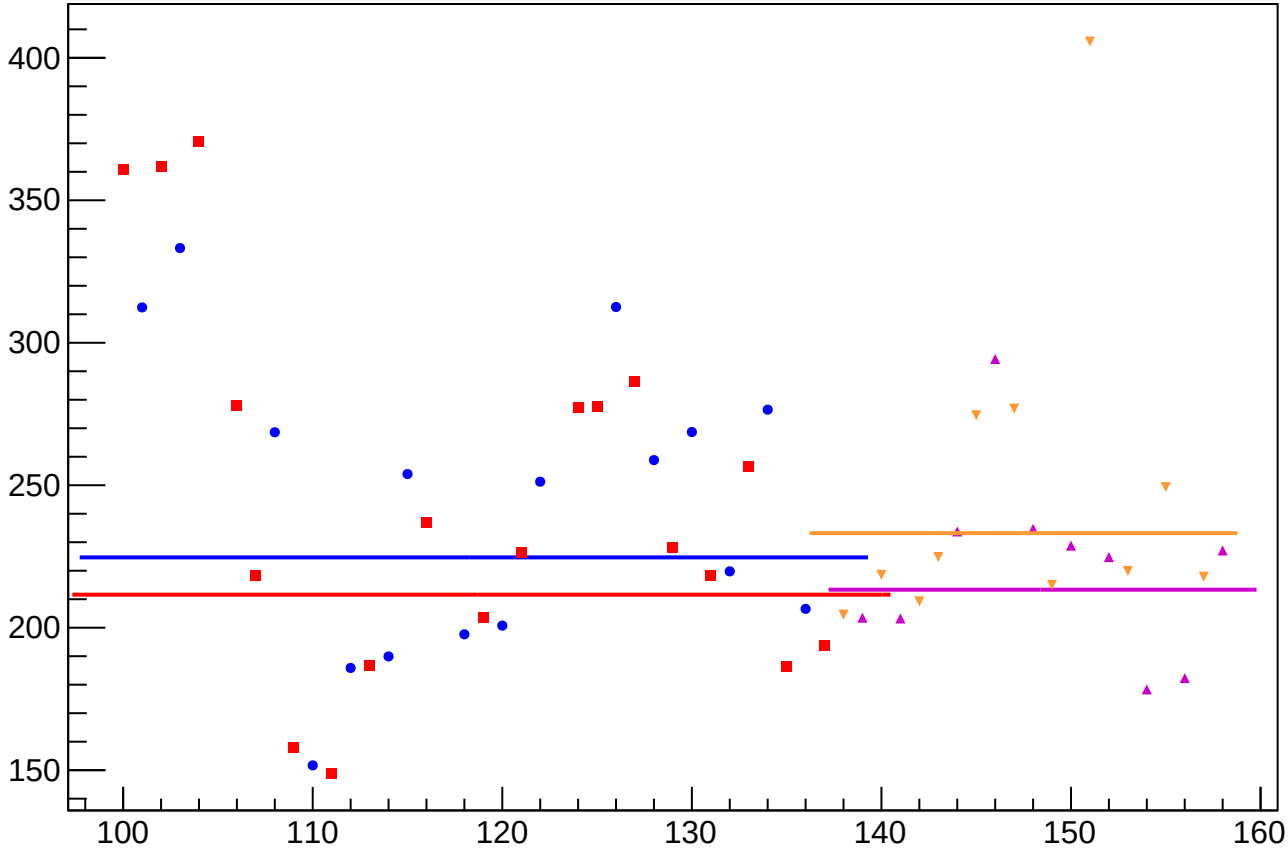
Left In: 1371.372+/-74.745 χ^2/NDF:1032.4/9

+ sign 85.804+/-59.253 χ^2/NDF: 1100.5/26

All: 681.593+/-40.277 χ^2/NDF: 2731.3/55

- sign 1193.318+/-54.914 χ^2/NDF: 1442.9/28

asym_bpm0i07WS_rms vs Slug



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 233.199+/-0.057 χ^2/NDF:449716.5/10

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

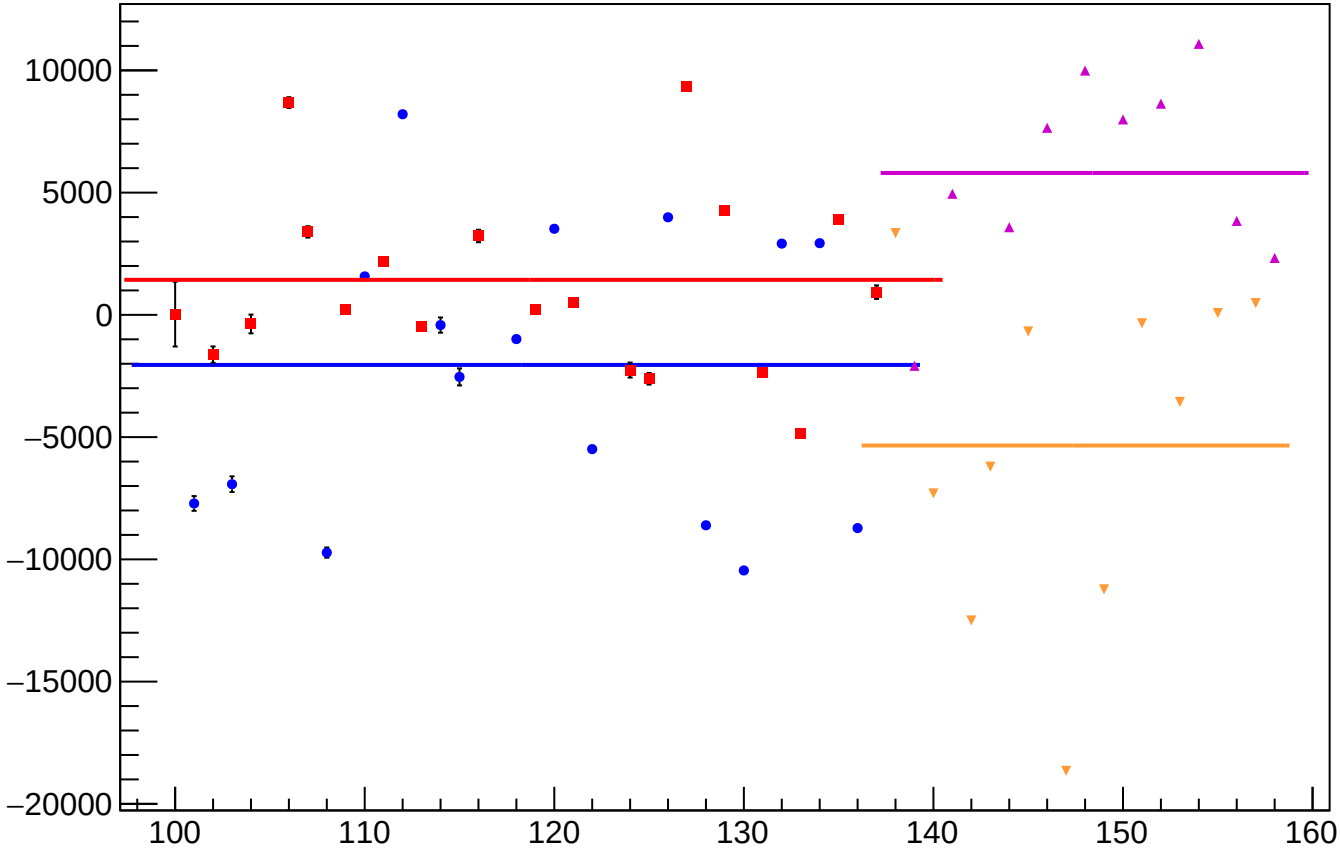
Left In: 213.346+/-0.053 χ^2/NDF:298376.5/9

+ sign 229.220+/-0.042 χ^2/NDF: 1113193.8/26

All: 220.247+/-0.028 χ^2/NDF: 2430233.7/55

- sign 212.540+/-0.039 χ^2/NDF: 1231784.2/28

asym_bpm1i02WS_mean vs Slug



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -5343.664+/-39.314 χ^2/NDF:27614.6/10

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

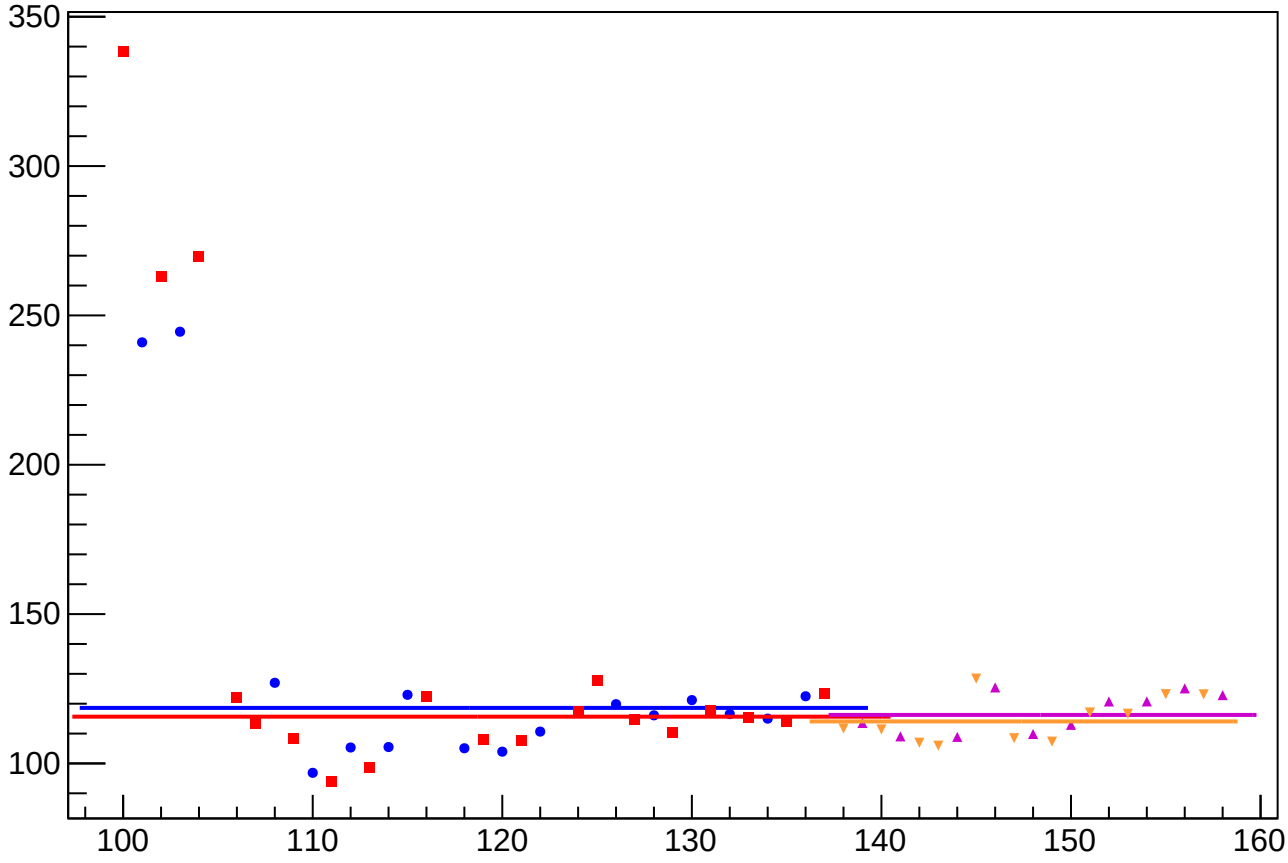
Left In: 5804.233+/-39.942 χ^2/NDF:9005.0/9

+ sign -3977.187+/-30.082 χ^2/NDF: 47238.1/26

All: -18.266+/-21.168 χ^2/NDF: 102253.4/55

- sign 3864.917+/-29.792 χ^2/NDF: 20706.5/28

asym_bpm1i02WS_rms vs Slug



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 114.064+/-0.028 χ^2/NDF:64778.0/10

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

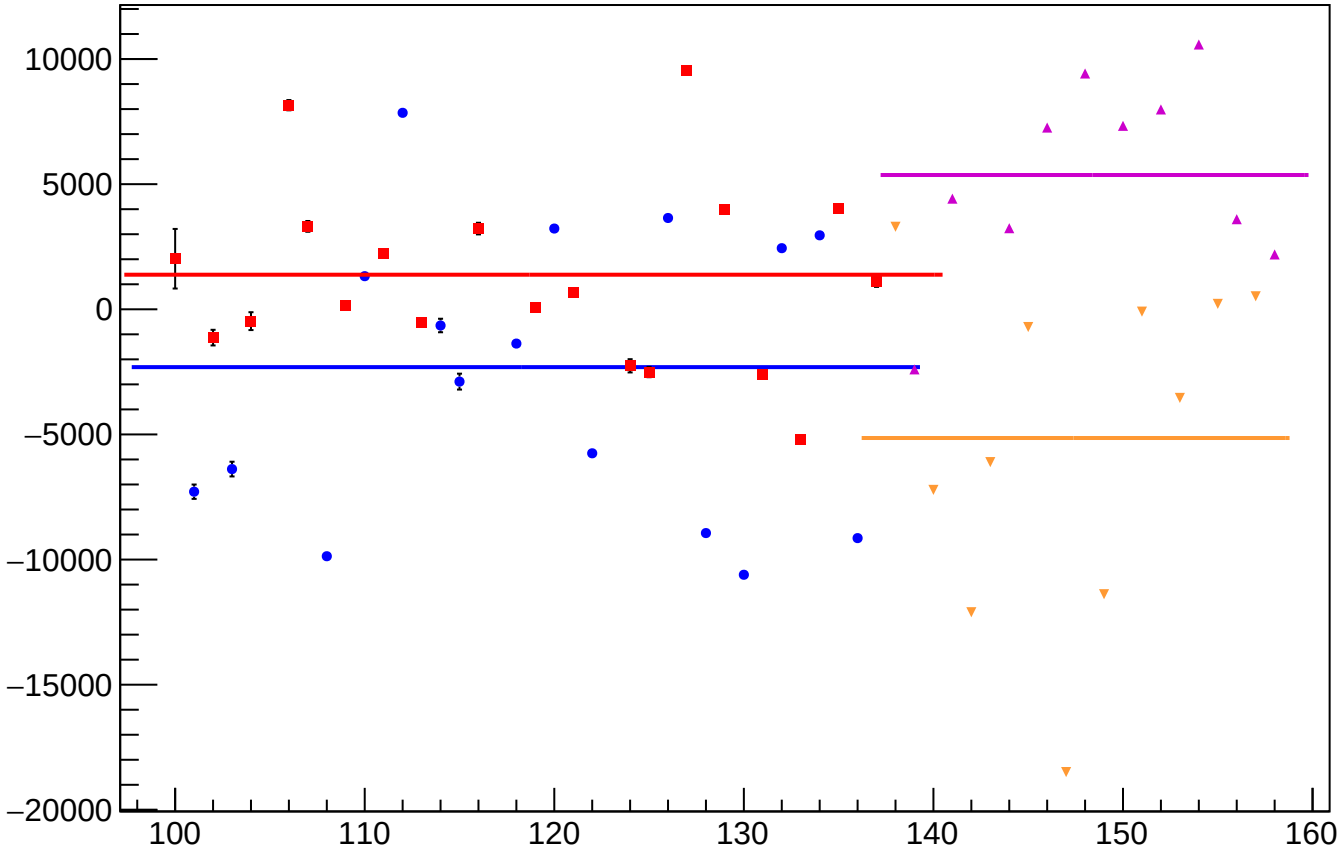
Left In: 116.243+/-0.028 χ^2/NDF:50745.1/9

+ sign 115.943+/-0.021 χ^2/NDF: 809953.5/26

All: 115.964+/-0.015 χ^2/NDF: 1725096.5/55

- sign 115.984+/-0.021 χ^2/NDF: 915141.0/28

asym_bpm2i01WS_mean vs Slug



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -5142.700+/-35.449 χ^2/NDF:33302.6/10

Right Out: 1382.178+/-39.342 χ^2/NDF: 8578.9/18

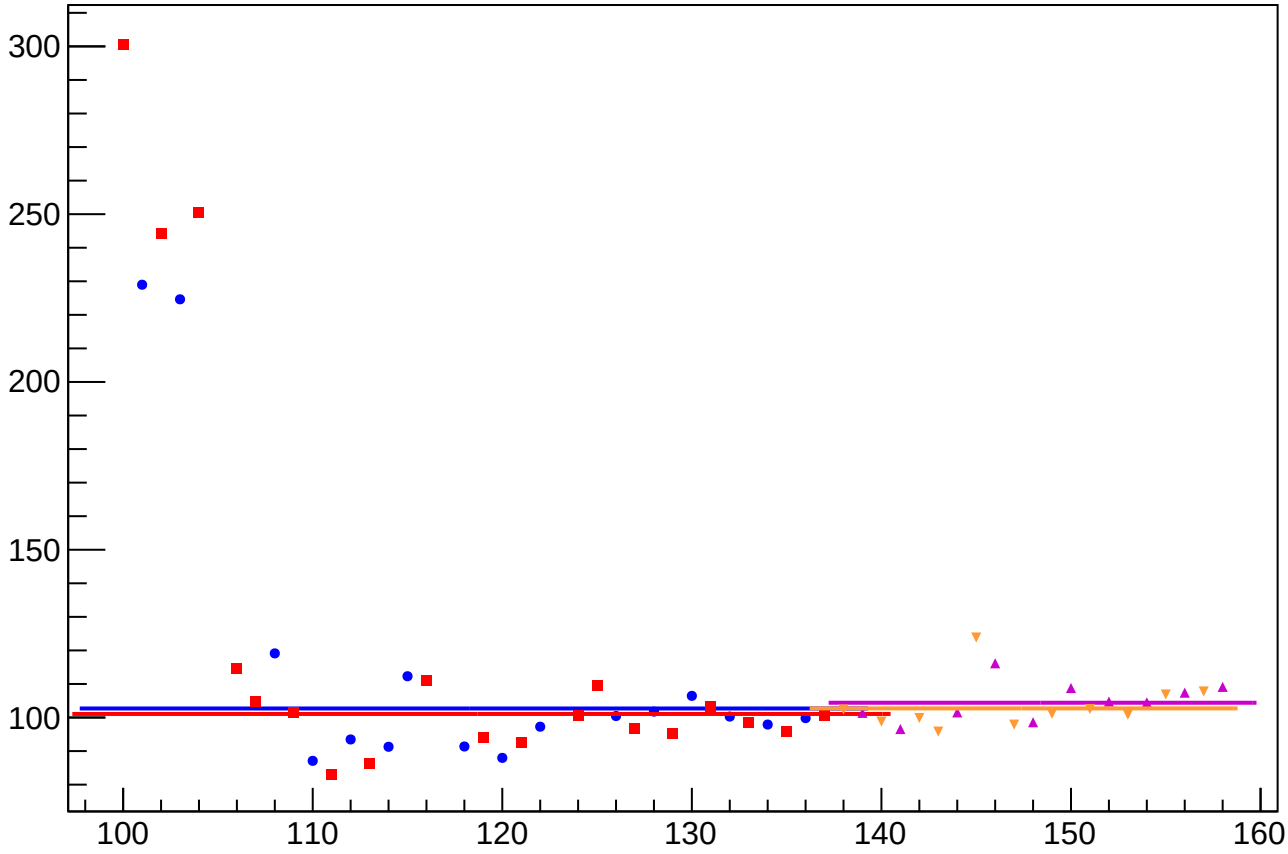
Left In: 5366.126+/-35.908 χ^2/NDF:10664.7/9

+ sign -3922.194+/-26.741 χ^2/NDF: 57732.8/26

All: -152.556+/-18.831 χ^2/NDF: 121991.0/55

- sign 3555.572+/-26.522 χ^2/NDF: 24837.8/28

asym_bpm2i01WS_rms vs Slug



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 102.719+/-0.025 χ^2/NDF:67910.9/10

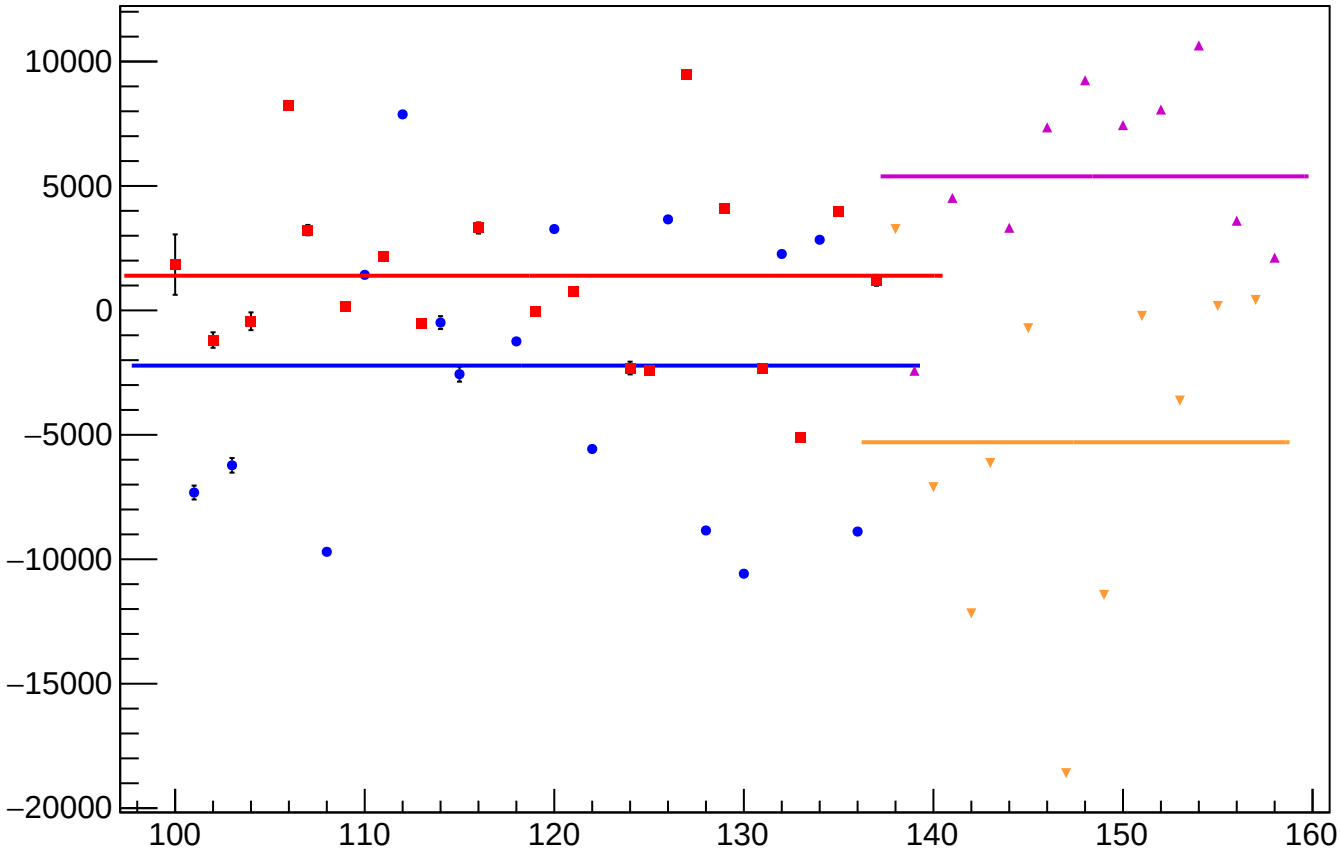
Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

Left In: 104.406+/-0.025 χ^2/NDF:45048.2/9

\+ sign 102.708+/-0.019 χ^2/NDF: 893712.9/26

All: 102.798+/-0.013 χ^2/NDF: 1877142.1/55

\- sign 102.887+/-0.019 χ^2/NDF: 983384.0/28



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -5297.179+/-34.546 χ^2/NDF:35907.4/10

Right Out: 1393.557+/-37.580 χ^2/NDF: 9152.1/18

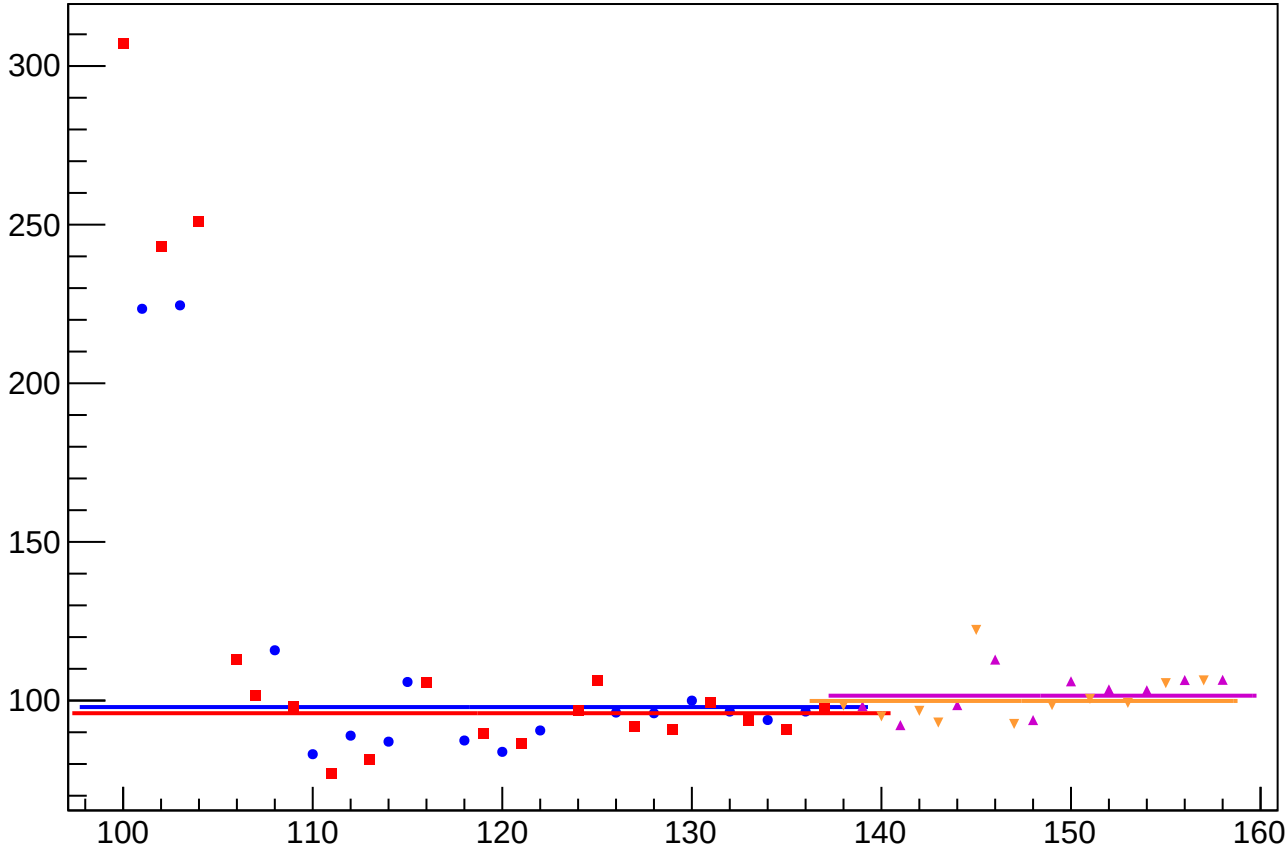
Left In: 5384.997+/-35.002 χ^2/NDF:11280.8/9

+ sign -3944.931+/-25.871 χ^2/NDF: 62437.1/26

All: -169.621+/-18.202 χ^2/NDF: 131079.3/55

- sign 3530.841+/-25.613 χ^2/NDF: 26473.6/28

asym_bpm2i02WS_rms vs Slug



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 99.869+/-0.024 χ^2/NDF:86847.2/10

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

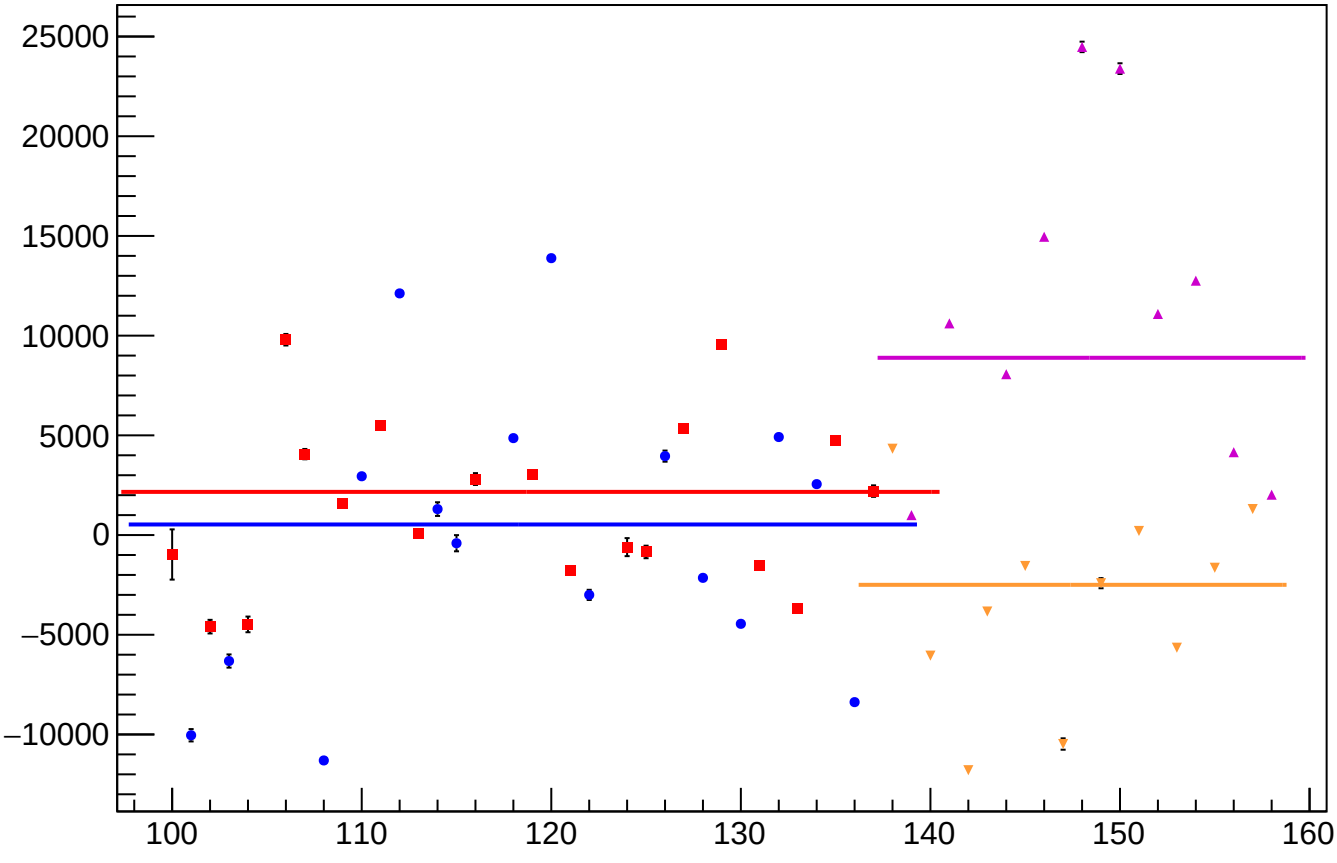
Left In: 101.531+/-0.025 χ^2/NDF:60597.9/9

+ sign 99.024+/-0.018 χ^2/NDF: 957724.9/26

All: 98.993+/-0.013 χ^2/NDF: 2053770.1/55

- sign 98.964+/-0.018 χ^2/NDF: 1096039.8/28

asym_bpm0i01WS_mean vs Slug



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -2495.947+/-53.272 χ^2/NDF:6250.9/10

Right Out: 2164.994+/-53.458 χ^2/NDF: 4967.1/18

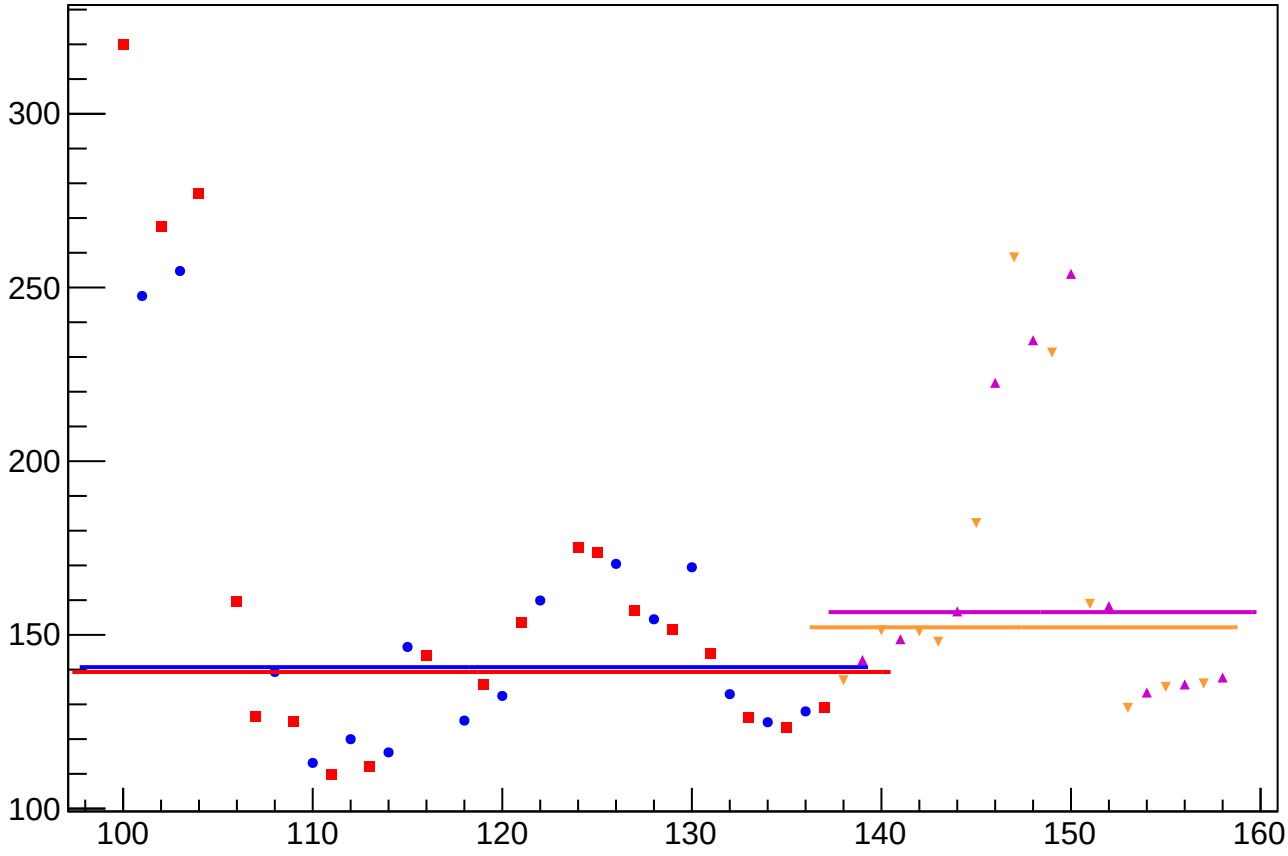
Left In: 8889.537+/-54.931 χ^2/NDF:13732.4/9

+ sign -1026.995+/-38.216 χ^2/NDF: 26405.1/26

All: 2196.477+/-27.056 χ^2/NDF: 67065.9/55

- sign 5435.918+/-38.311 χ^2/NDF: 26396.2/28

asym_bpm0i01WS_rms vs Slug



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 152.189+/-0.038 χ^2/NDF:641513.1/10

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

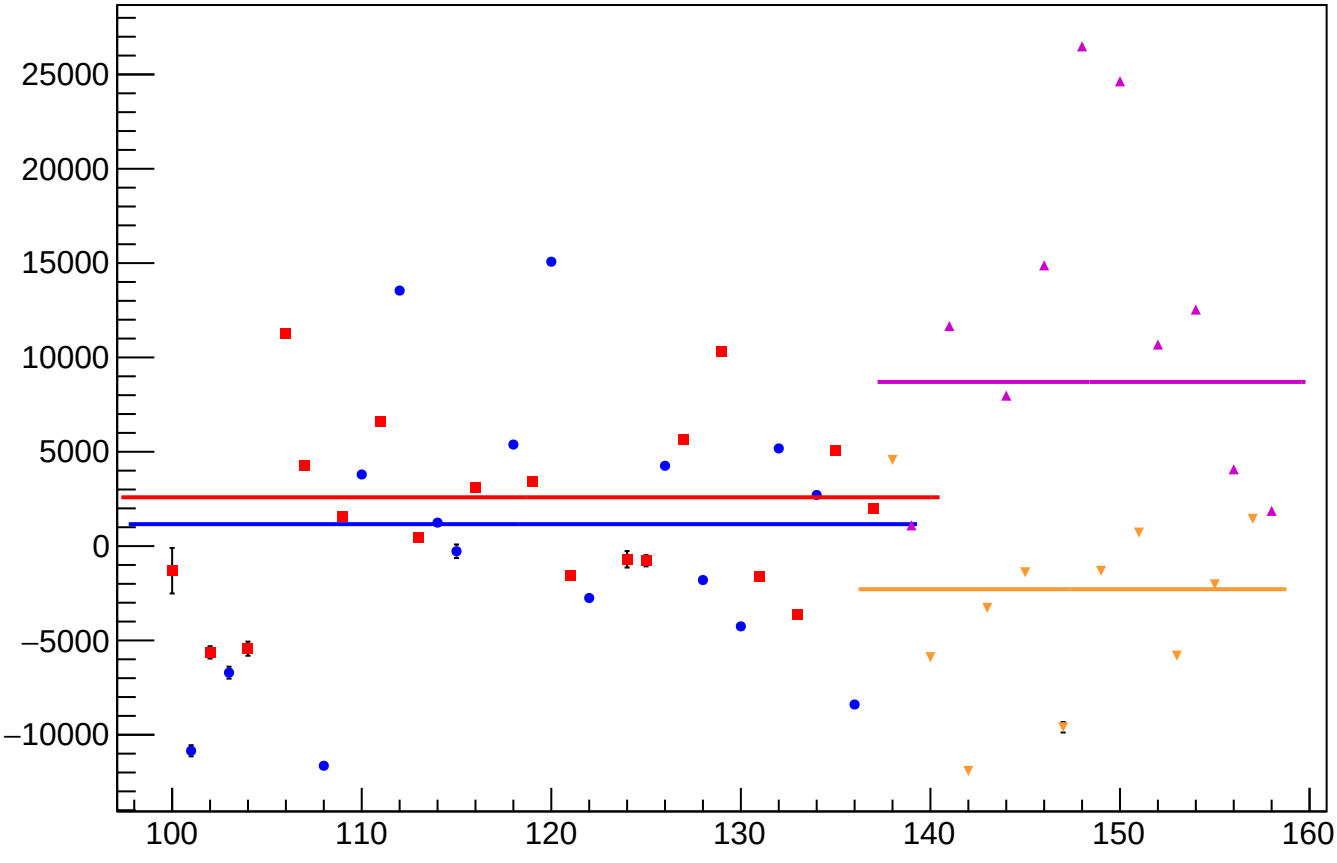
Left In: 156.553+/-0.039 χ^2/NDF:740628.9/9

+ sign 146.620+/-0.027 χ^2/NDF: 1362165.6/26

All: 147.159+/-0.019 χ^2/NDF: 3007035.2/55

- sign 147.701+/-0.027 χ^2/NDF: 1644072.2/28

asym_bpm0i01aWS_mean vs Slug



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -2285.349+/-46.913 χ^2/NDF:8230.9/10

Right Out: 2586.755+/-44.256 χ^2/NDF: 8099.7/18

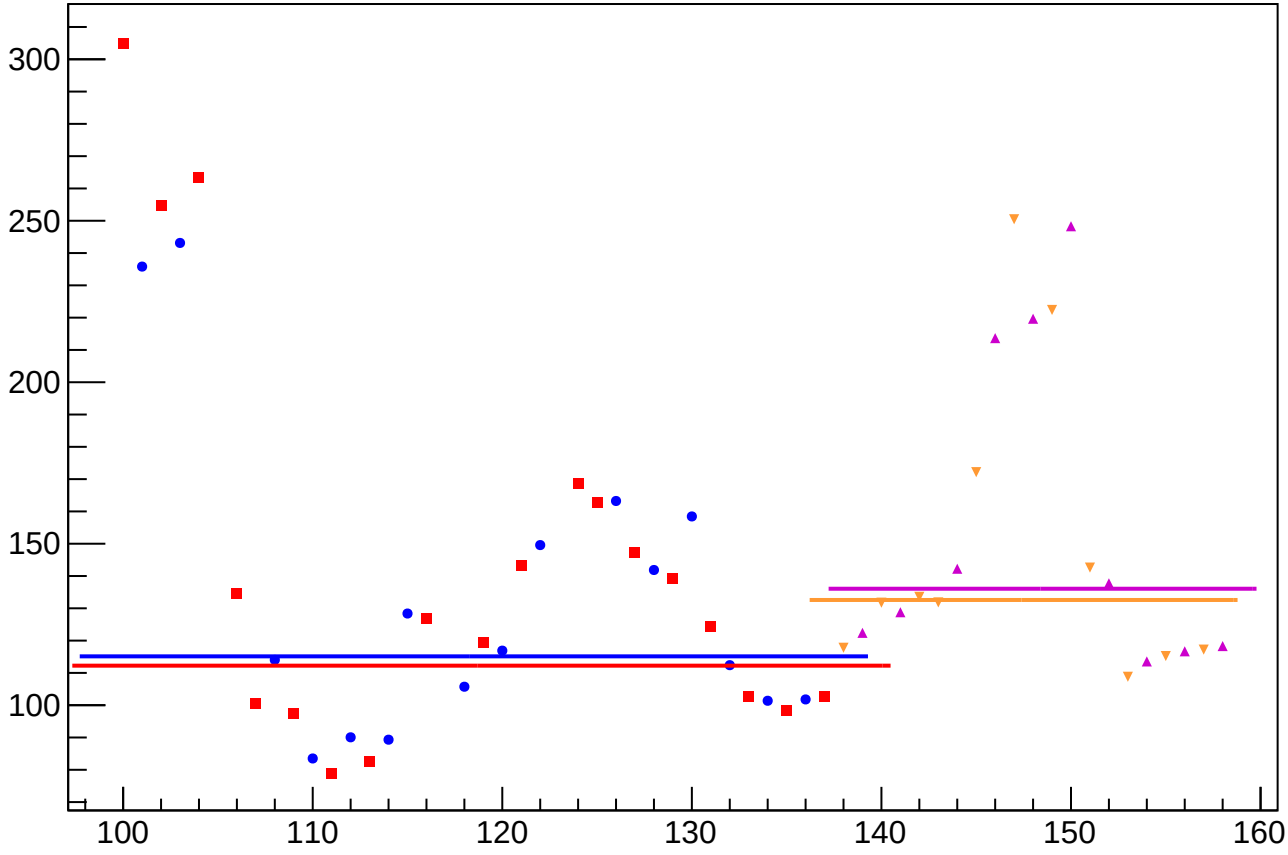
Left In: 8701.836+/-48.368 χ^2/NDF:18427.7/9

+ sign -524.667+/-32.820 χ^2/NDF: 41743.9/26

All: 2439.527+/-23.147 χ^2/NDF: 93202.4/55

- sign 5373.355+/-32.651 χ^2/NDF: 35227.5/28

asym_bpm0i01aWS_rms vs Slug



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 132.580+/-0.033 χ^2/NDF:892066.5/10

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

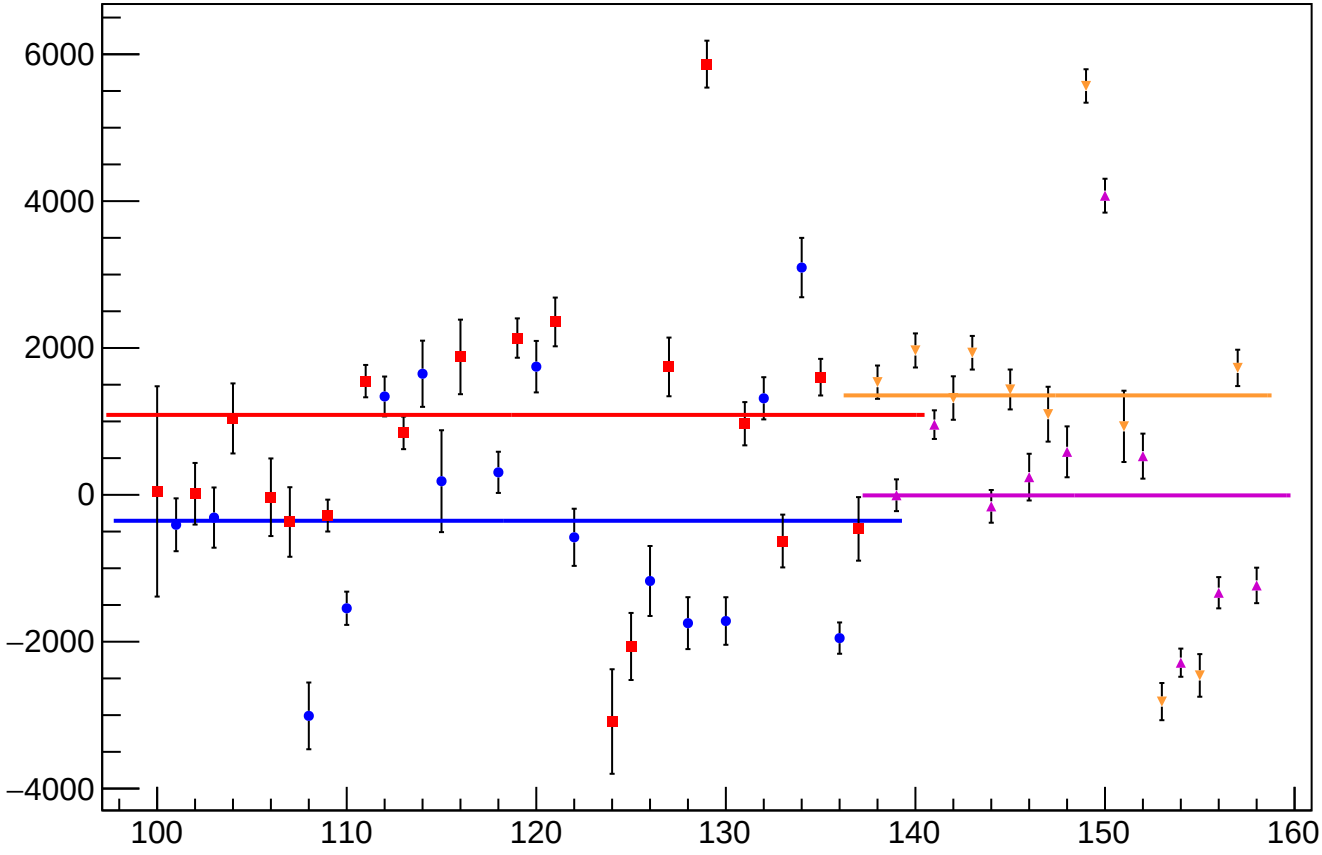
Left In: 136.061+/-0.034 χ^2/NDF:1007973.5/9

+ sign 123.668+/-0.023 χ^2/NDF: 2146419.8/26

All: 123.381+/-0.016 χ^2/NDF: 4746879.9/55

- sign 123.096+/-0.023 χ^2/NDF: 2600154.7/28

asym_bpm0l01WS_mean vs Slug



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 1354.445+/-79.944 χ^2/NDF:803.8/10

Right Out: 1088.752+/-76.444 χ^2/NDF: 447.2/18

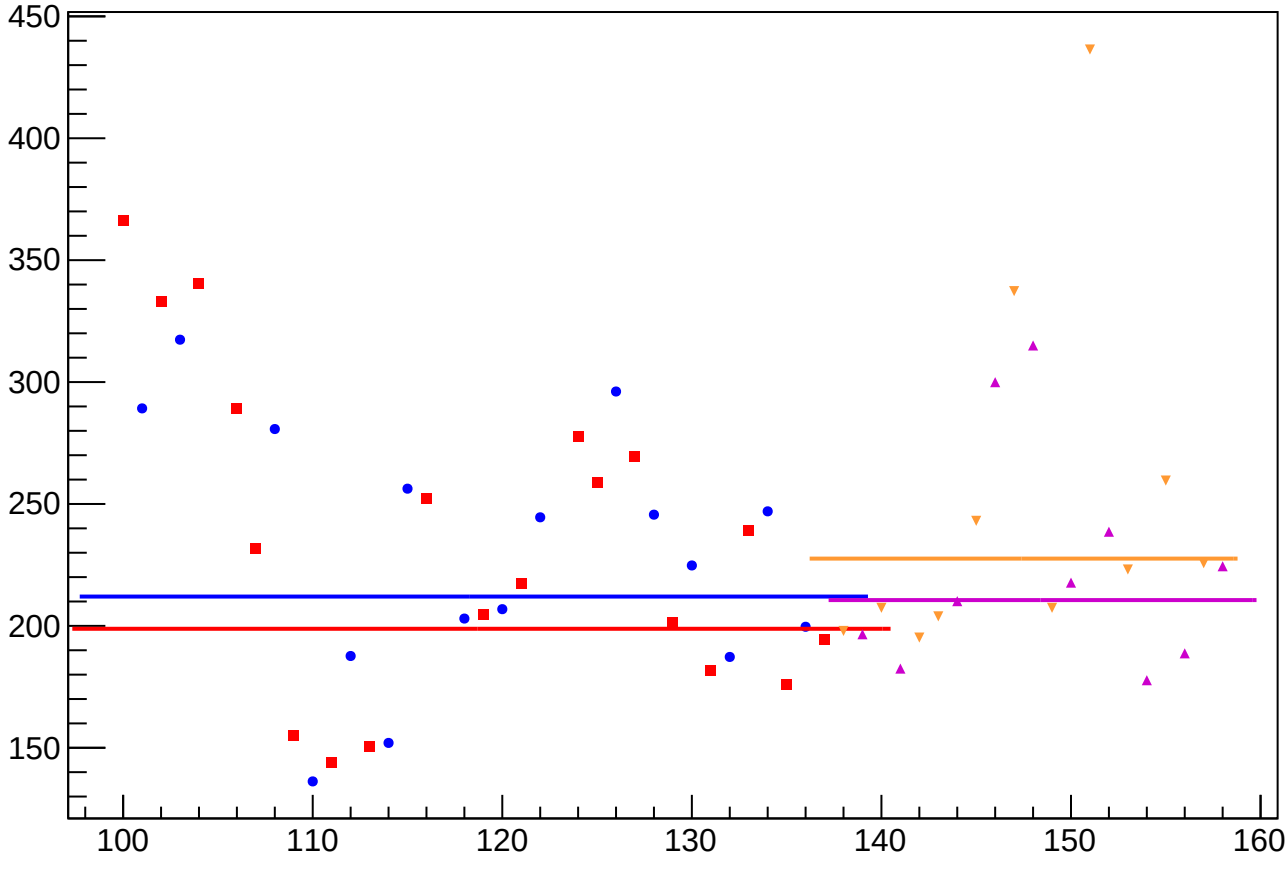
Left In: -7.486+/-74.157 χ^2/NDF:550.4/9

+ sign 523.743+/-57.288 χ^2/NDF: 1387.6/26

All: 523.875+/-38.994 χ^2/NDF: 2491.0/55

- sign 523.989+/-53.227 χ^2/NDF: 1103.5/28

asym_bpm0l01WS_rms vs Slug



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 227.594+/-0.057 χ^2/NDF:684394.4/10

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

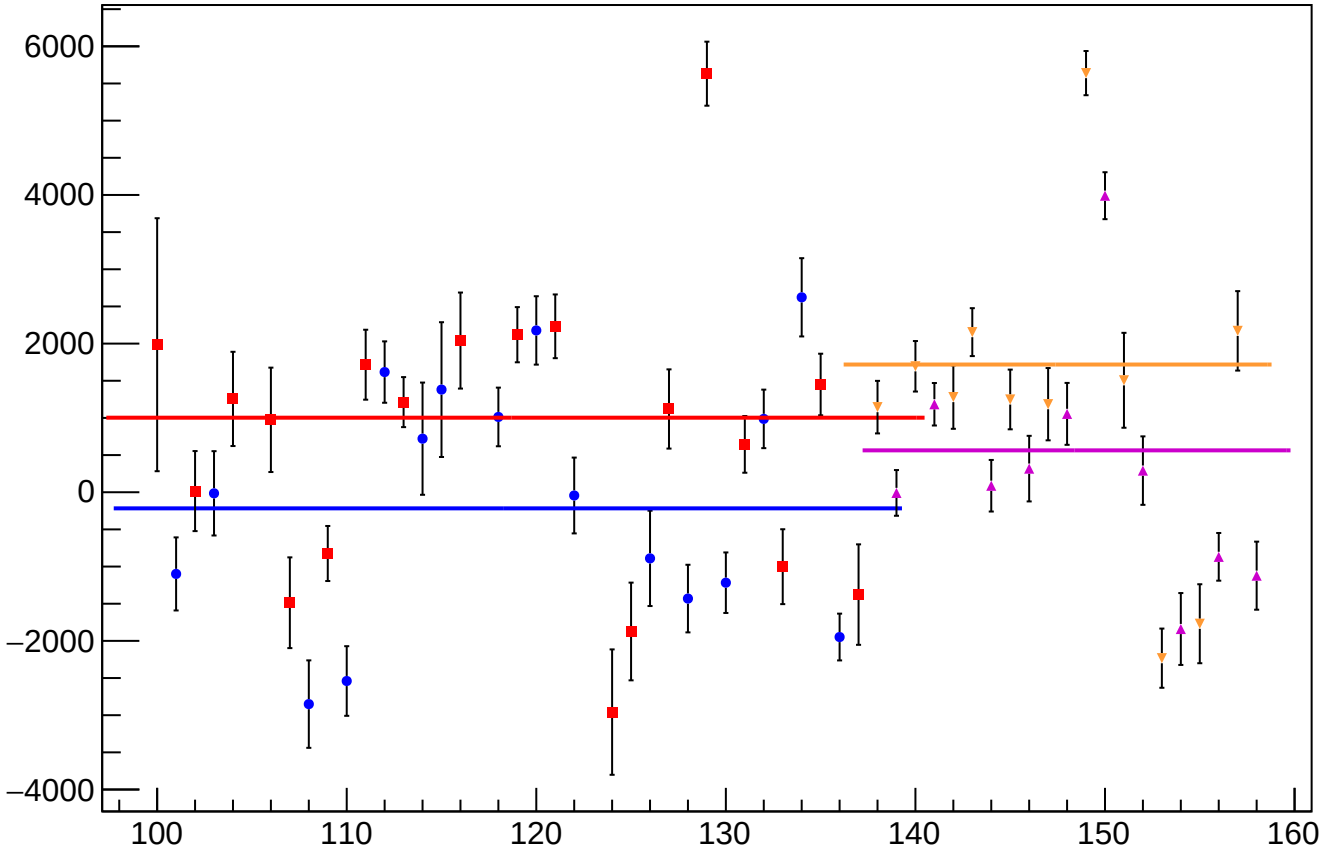
Left In: 210.581+/-0.052 χ^2/NDF:494391.6/9

+ sign 220.021+/-0.041 χ^2/NDF: 1411643.7/26

All: 211.892+/-0.028 χ^2/NDF: 2980439.6/55

- sign 204.874+/-0.038 χ^2/NDF: 1493752.1/28

asym_bpm0l02WS_mean vs Slug



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1718.408+/-120.134 χ^2/NDF:324.3/10

Right Out: 1003.049+/-113.111 χ^2/NDF: 254.3/18

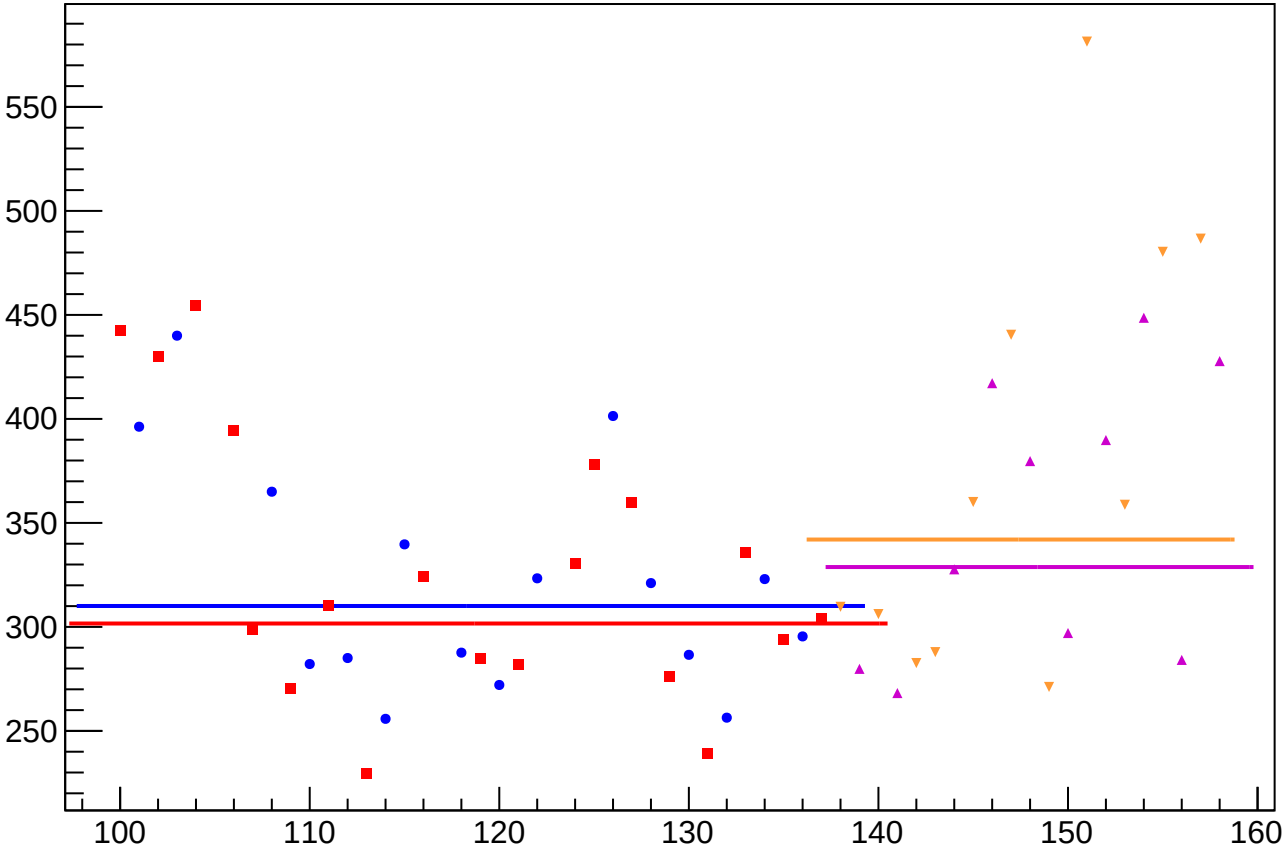
Left In: 563.486+/-115.075 χ^2/NDF:188.0/9

\+ sign 732.466+/-84.142 χ^2/NDF: 648.7/26

All: 760.909+/-58.230 χ^2/NDF: 1098.7/55

\- sign 787.051+/-80.667 χ^2/NDF: 449.8/28

asym_bpm0l02WS_rms vs Slug



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 342.009+/-0.085 χ^2/NDF:900221.2/10

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

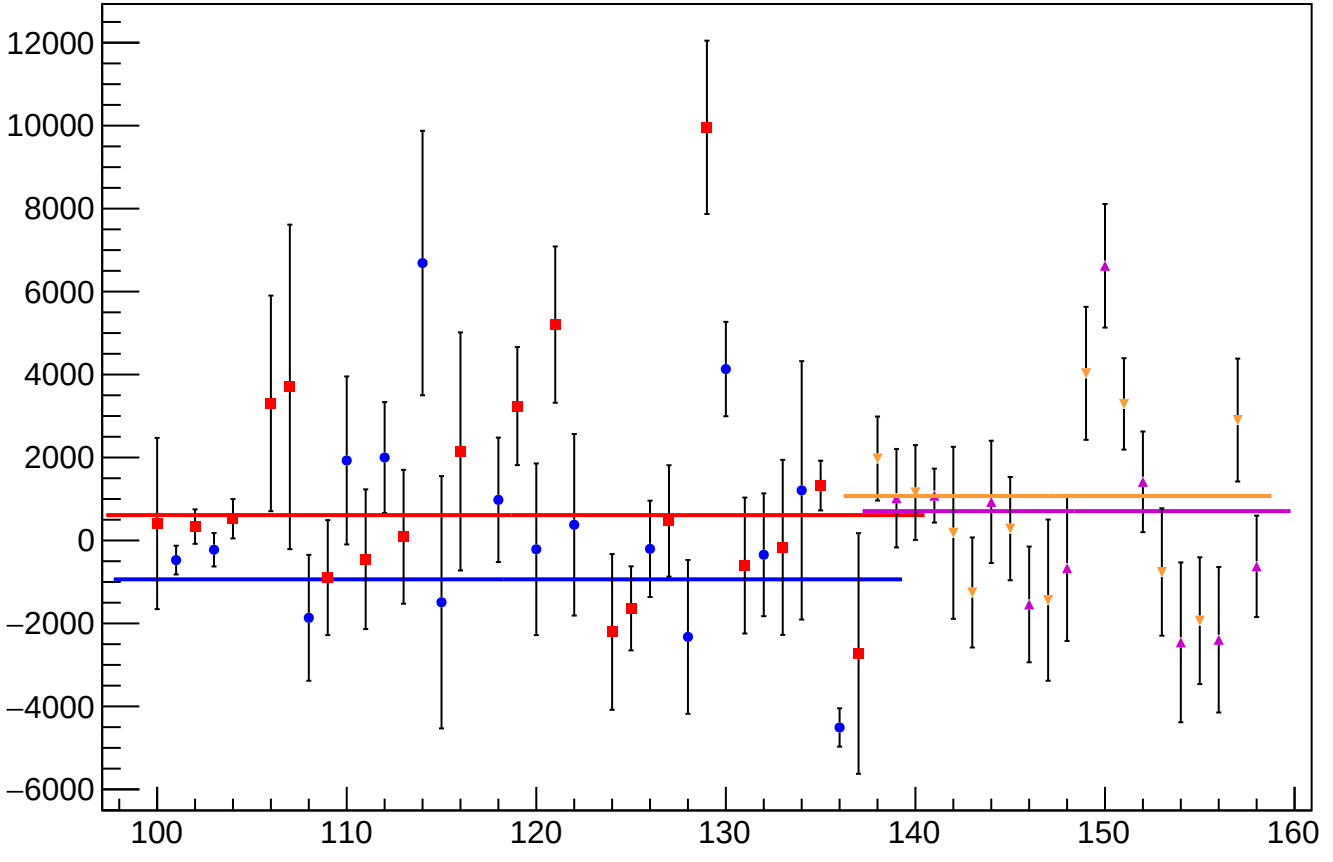
Left In: 328.785+/-0.081 χ^2/NDF:561039.7/9

+ sign 325.734+/-0.059 χ^2/NDF: 1295560.0/26

All: 320.129+/-0.041 χ^2/NDF: 2450136.1/55

- sign 314.977+/-0.057 χ^2/NDF: 1137543.9/28

asym_bpm0l03WS_mean vs Slug



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 1071.281+/-409.130 χ^2/NDF:20.4/10

Right Out: 611.668+/-233.144 χ^2/NDF: 44.1/18

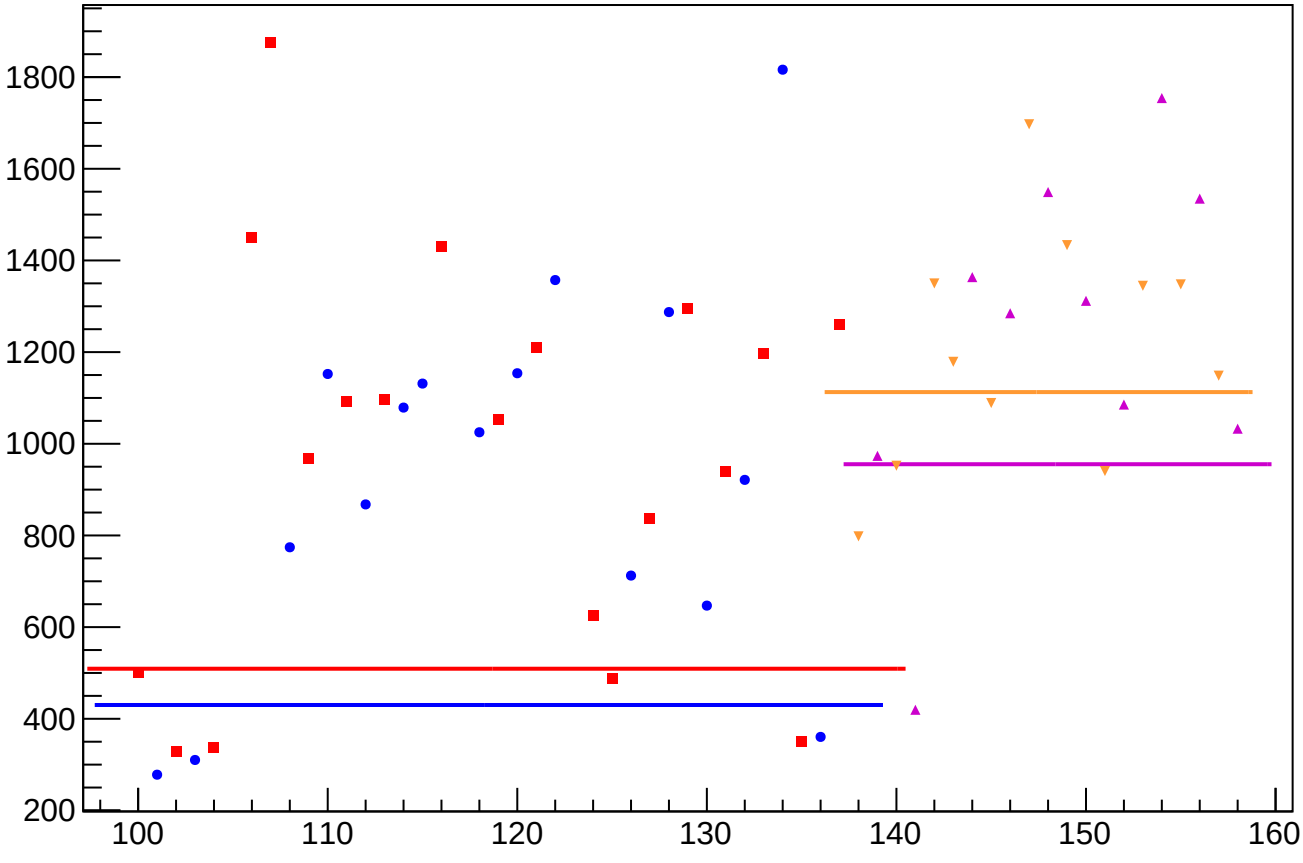
Left In: 707.593+/-384.364 χ^2/NDF:26.7/9

+ sign -534.827+/-183.077 χ^2/NDF: 140.9/26

All: 1.559+/-134.838 χ^2/NDF: 230.6/55

- sign 637.469+/-199.339 χ^2/NDF: 70.9/28

asym_bpm0l03WS_rms vs Slug



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 1112.800+/-0.289 χ^2/NDF:668654.2/10

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

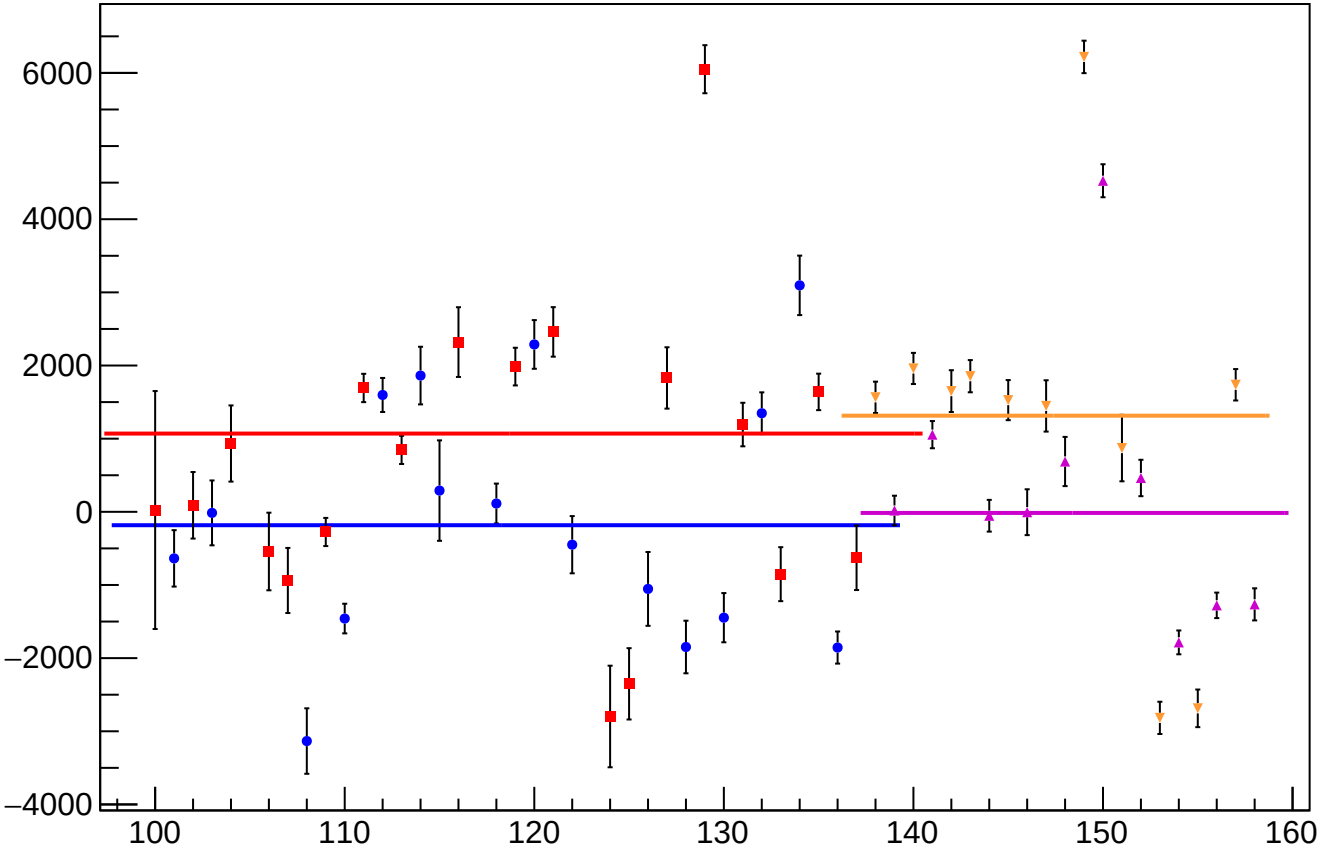
Left In: 955.417+/-0.272 χ^2/NDF:2560953.0/9

+ sign 566.810+/-0.129 χ^2/NDF: 8644154.0/26

All: 595.377+/-0.095 χ^2/NDF: 16955130.1/55

- sign 629.244+/-0.141 χ^2/NDF: 8204549.8/28

asym_bpm0l04WS_mean vs Slug



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 1314.276+/-74.402 χ^2/NDF:1104.7/10

Right Out: 1069.729+/-73.060 χ^2/NDF: 492.3/18

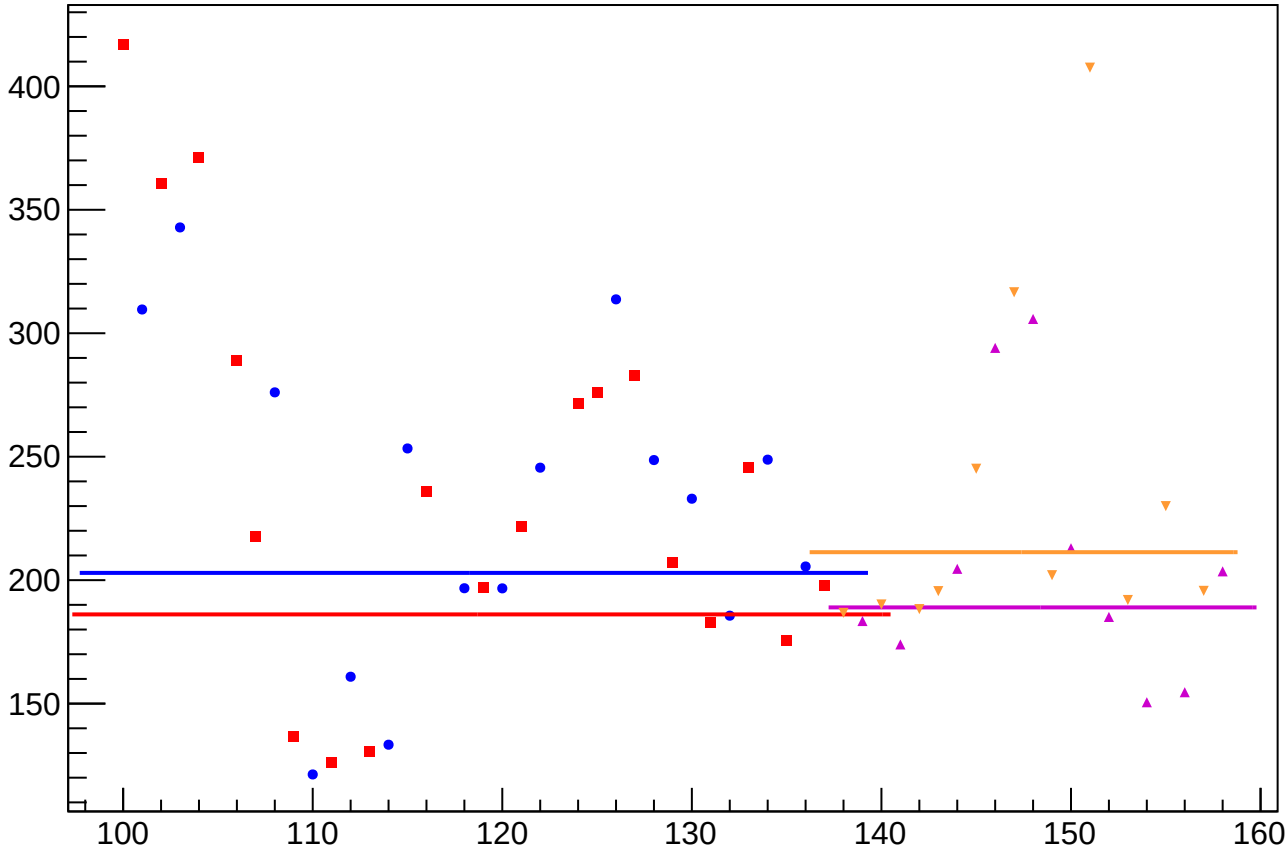
Left In: -15.208+/-67.303 χ^2/NDF:649.3/9

+ sign 618.565+/-54.439 χ^2/NDF: 1710.6/26

All: 544.264+/-36.624 χ^2/NDF: 2974.8/55

- sign 482.831+/-49.501 χ^2/NDF: 1260.8/28

asym_bpm0l04WS_rms vs Slug



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 211.327+/-0.053 χ^2/NDF:692874.6/10

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

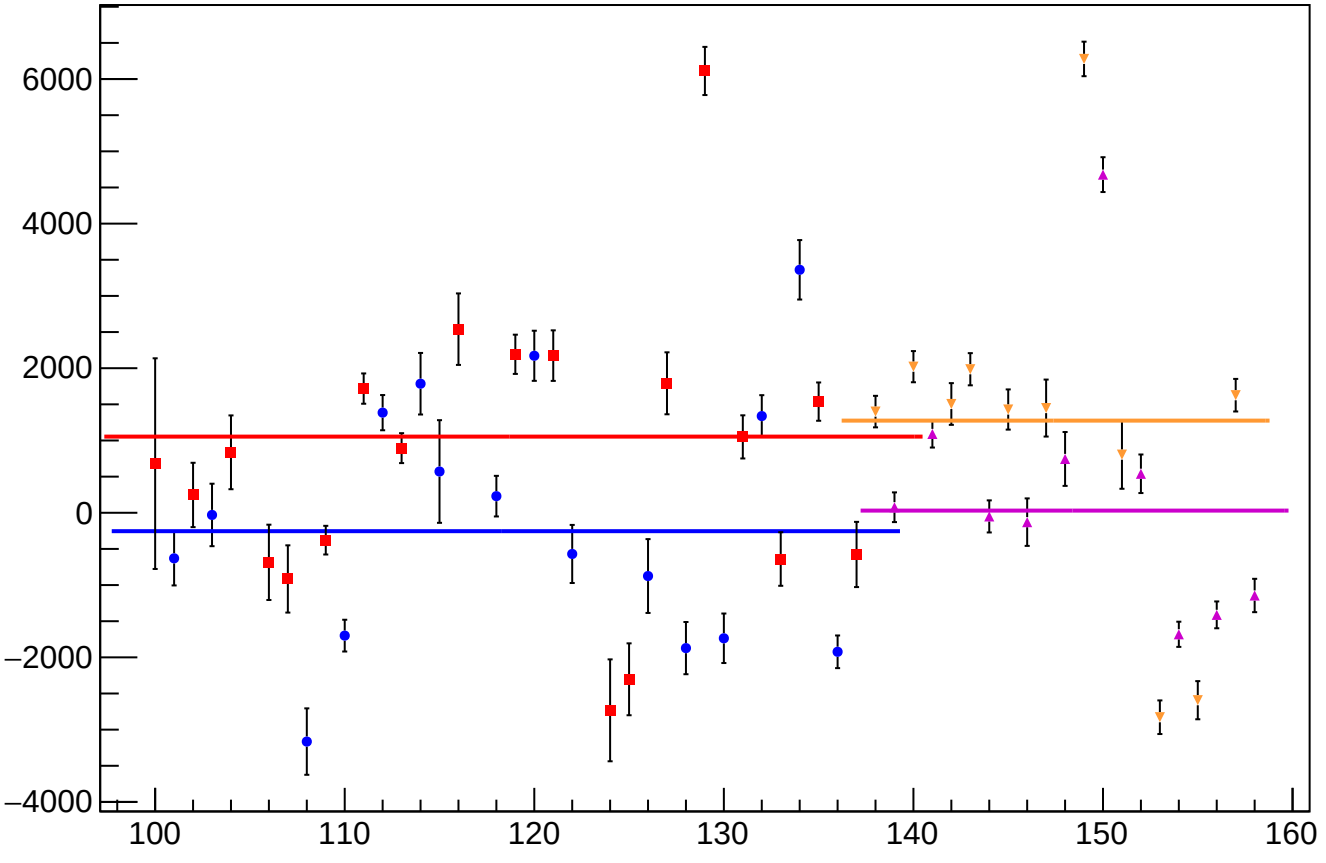
Left In: 188.963+/-0.048 χ^2/NDF:711845.8/9

+ sign 207.431+/-0.038 χ^2/NDF: 1776539.2/26

All: 196.609+/-0.026 χ^2/NDF: 4116046.0/55

- sign 187.662+/-0.035 χ^2/NDF: 2195138.4/28

asym_bpm0l05WS_mean vs Slug



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 1274.936+/-77.003 χ^2/NDF:992.2/10

Right Out: 1053.731+/-75.969 χ^2/NDF: 477.7/18

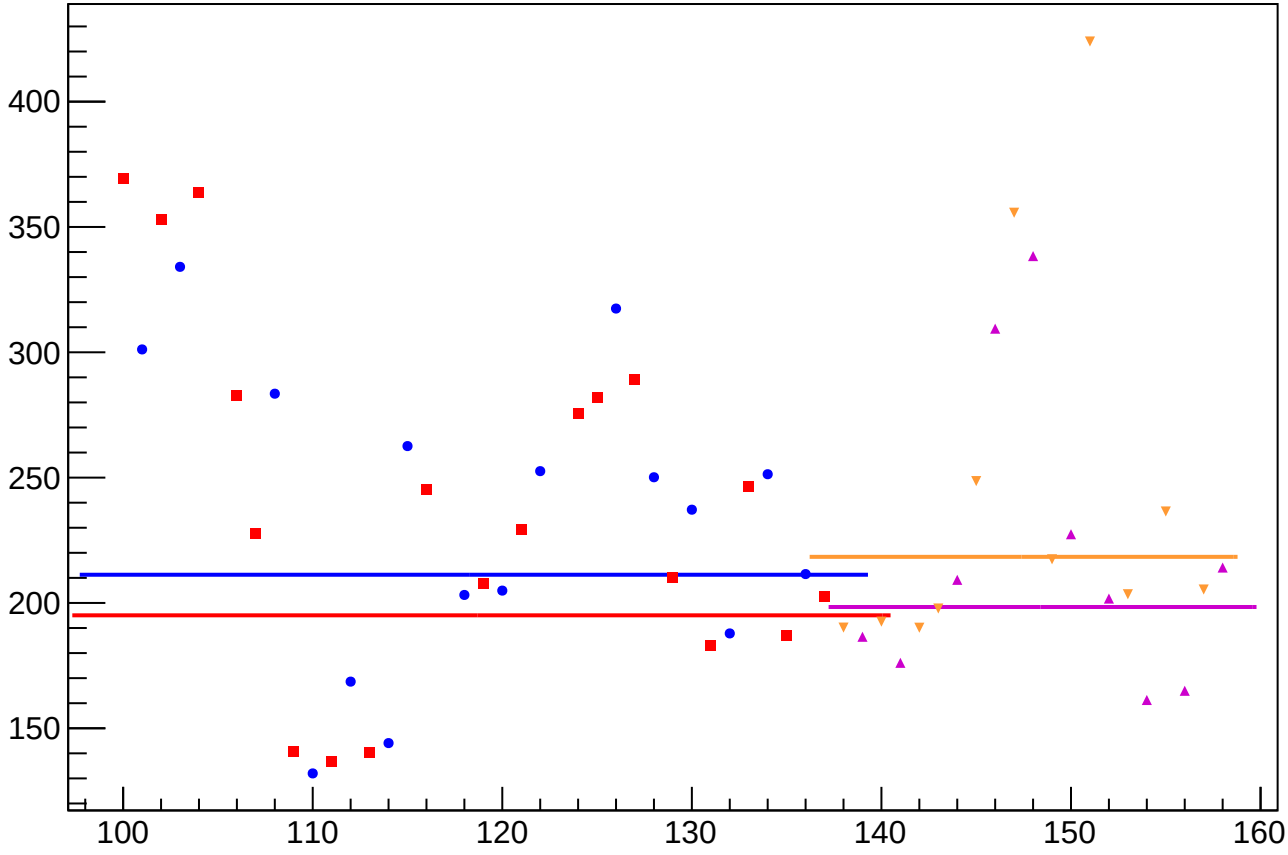
Left In: 30.218+/-70.585 χ^2/NDF:594.4/9

\+ sign 562.784+/-56.289 χ^2/NDF: 1585.1/26

All: 531.134+/-38.081 χ^2/NDF: 2755.2/55

\- sign 504.424+/-51.710 χ^2/NDF: 1169.4/28

asym_bpm0l05WS_rms vs Slug



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 218.394+/-0.054 χ^2/NDF:767924.7/10

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

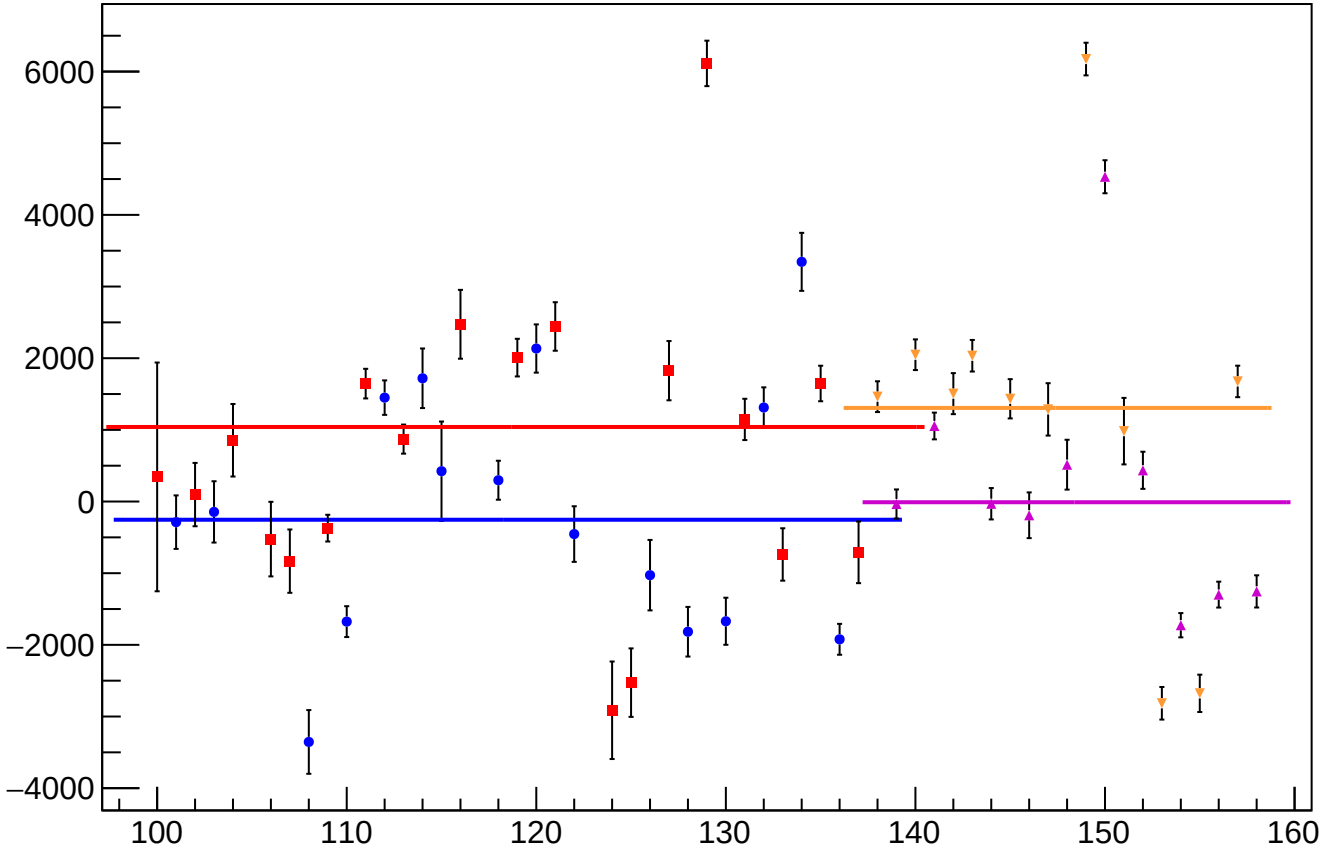
Left In: 198.385+/-0.050 χ^2/NDF:744448.3/9

+ sign 215.069+/-0.040 χ^2/NDF: 1660296.8/26

All: 205.186+/-0.027 χ^2/NDF: 3805376.4/55

- sign 196.845+/-0.037 χ^2/NDF: 2031382.5/28

asym_bpm0l06WS_mean vs Slug



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 1306.364+/-75.433 χ^2/NDF:1046.4/10

Right Out: 1040.361+/-73.363 χ^2/NDF: 533.4/18

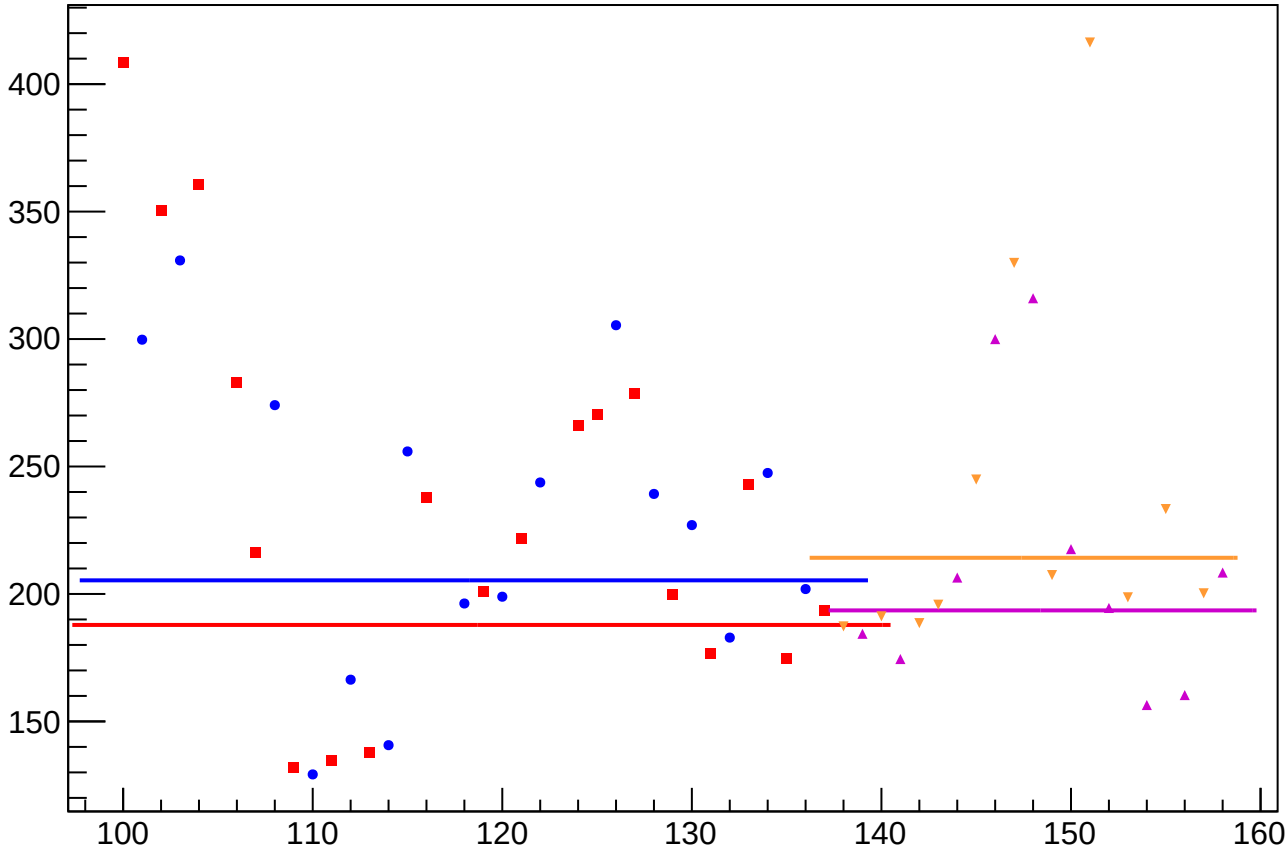
Left In: -9.866+/-68.832 χ^2/NDF:610.8/9

+ sign 574.124+/-54.955 χ^2/NDF: 1679.3/26

All: 523.801+/-37.063 χ^2/NDF: 2934.0/55

- sign 481.814+/-50.197 χ^2/NDF: 1253.2/28

asym_bpm0l06WS_rms vs Slug



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 214.193+/-0.053 χ^2/NDF:719106.1/10

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

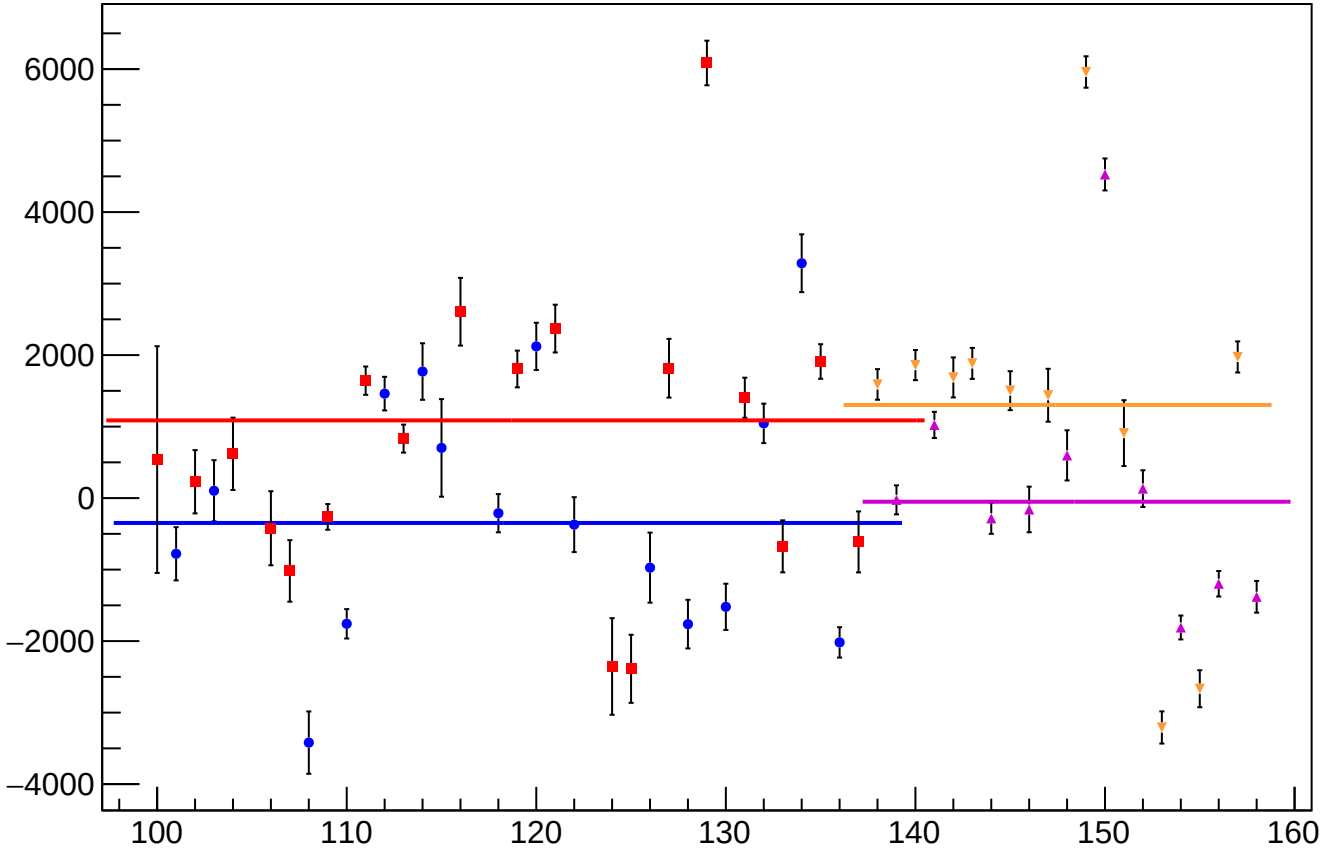
Left In: 193.552+/-0.049 χ^2/NDF:696671.7/9

+ sign 210.039+/-0.039 χ^2/NDF: 1609427.7/26

All: 199.595+/-0.026 χ^2/NDF: 3782080.5/55

- sign 190.882+/-0.035 χ^2/NDF: 2040149.5/28

asym_bpm0l07WS_mean vs Slug



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 1303.055+/-74.454 χ^2/NDF:1114.1/10

Right Out: 1086.638+/-71.539 χ^2/NDF: 527.2/18

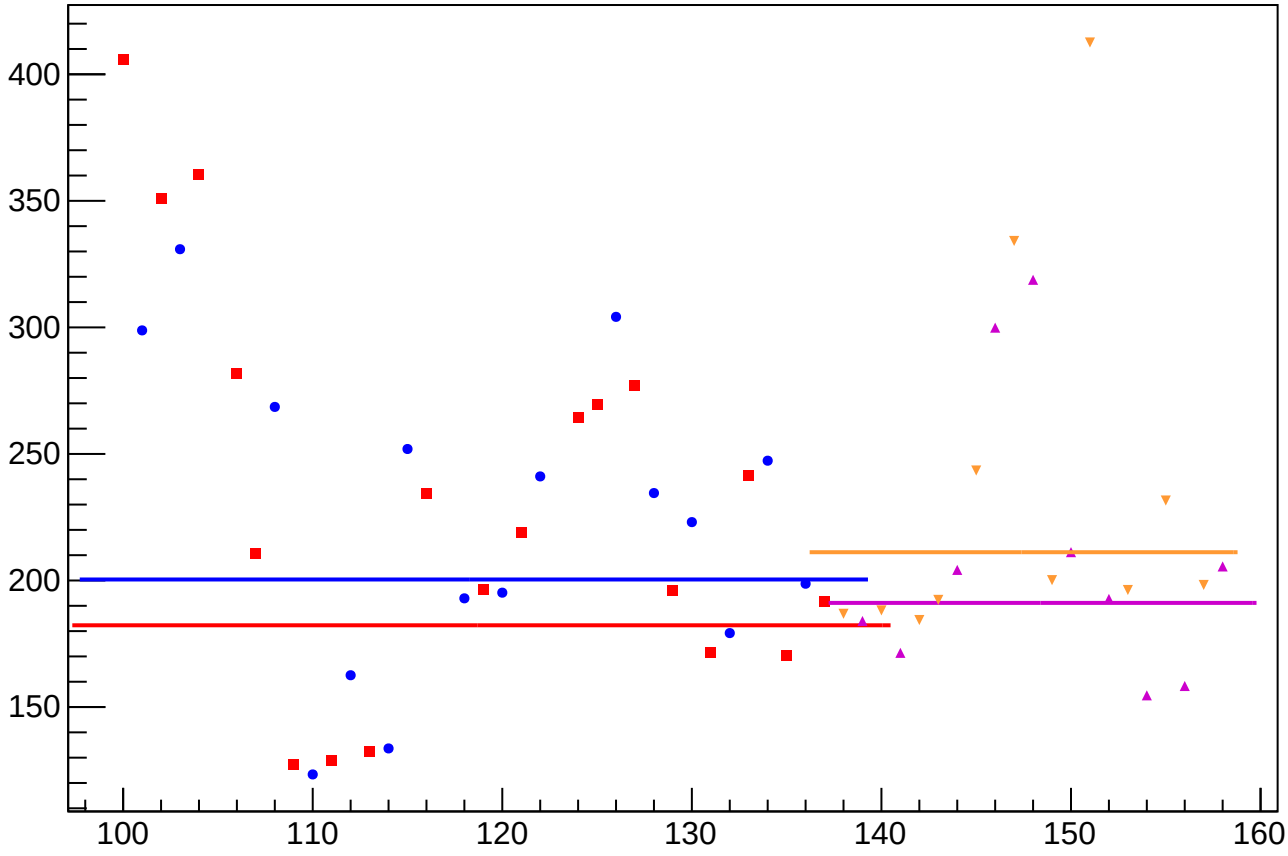
Left In: -50.712+/-68.033 χ^2/NDF:645.9/9

+ sign 522.030+/-54.043 χ^2/NDF: 1792.5/26

All: 504.227+/-36.422 χ^2/NDF: 3098.5/55

- sign 489.413+/-49.299 χ^2/NDF: 1305.8/28

asym_bpm0l07WS_rms vs Slug



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 211.174+/-0.053 χ^2/NDF:748114.0/10

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

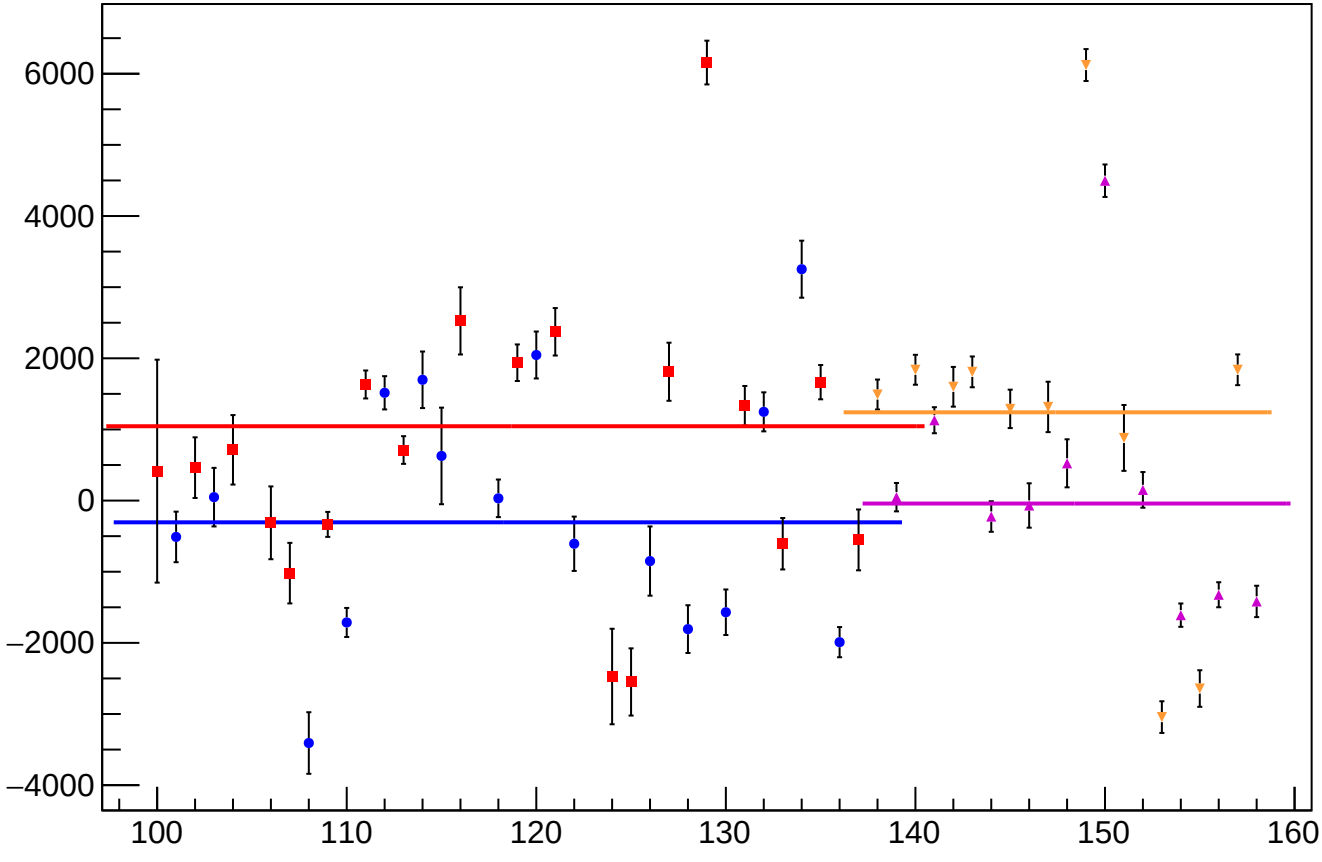
Left In: 191.150+/-0.048 χ^2/NDF:717760.3/9

+ sign 206.076+/-0.038 χ^2/NDF: 1726936.0/26

All: 195.636+/-0.026 χ^2/NDF: 4044712.8/55

- sign 186.948+/-0.035 χ^2/NDF: 2181023.3/28

asym_bpm0l08WS_mean vs Slug



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 1240.927+/-74.086 χ^2/NDF:1098.7/10

Right Out: 1045.144+/-70.824 χ^2/NDF: 552.2/18

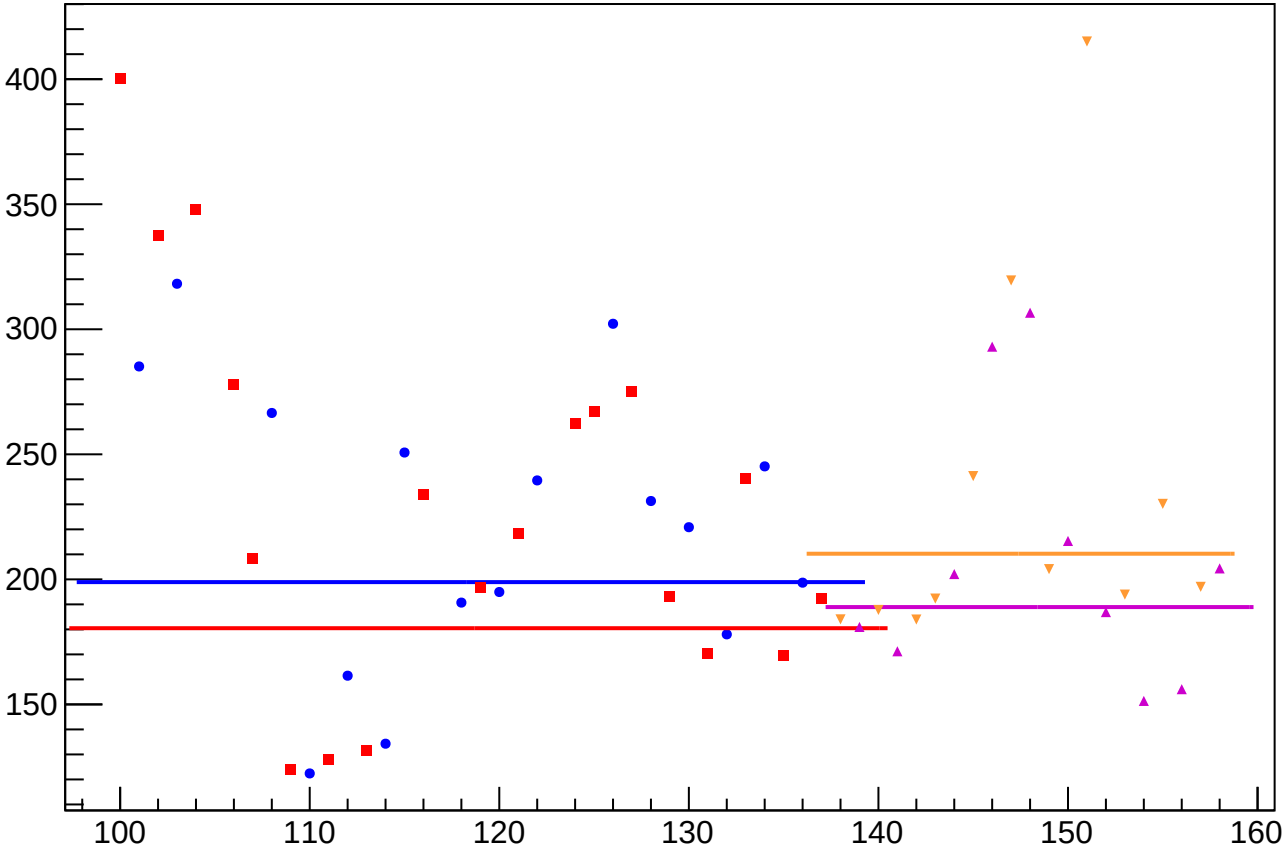
Left In: -41.532+/-67.279 χ^2/NDF:624.4/9

+ sign 506.111+/-53.674 χ^2/NDF: 1757.6/26

All: 488.491+/-36.099 χ^2/NDF: 3058.1/55

- sign 473.938+/-48.779 χ^2/NDF: 1300.3/28

asym_bpm0l08WS_rms vs Slug



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 210.254+/-0.052 χ^2/NDF:725426.8/10

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

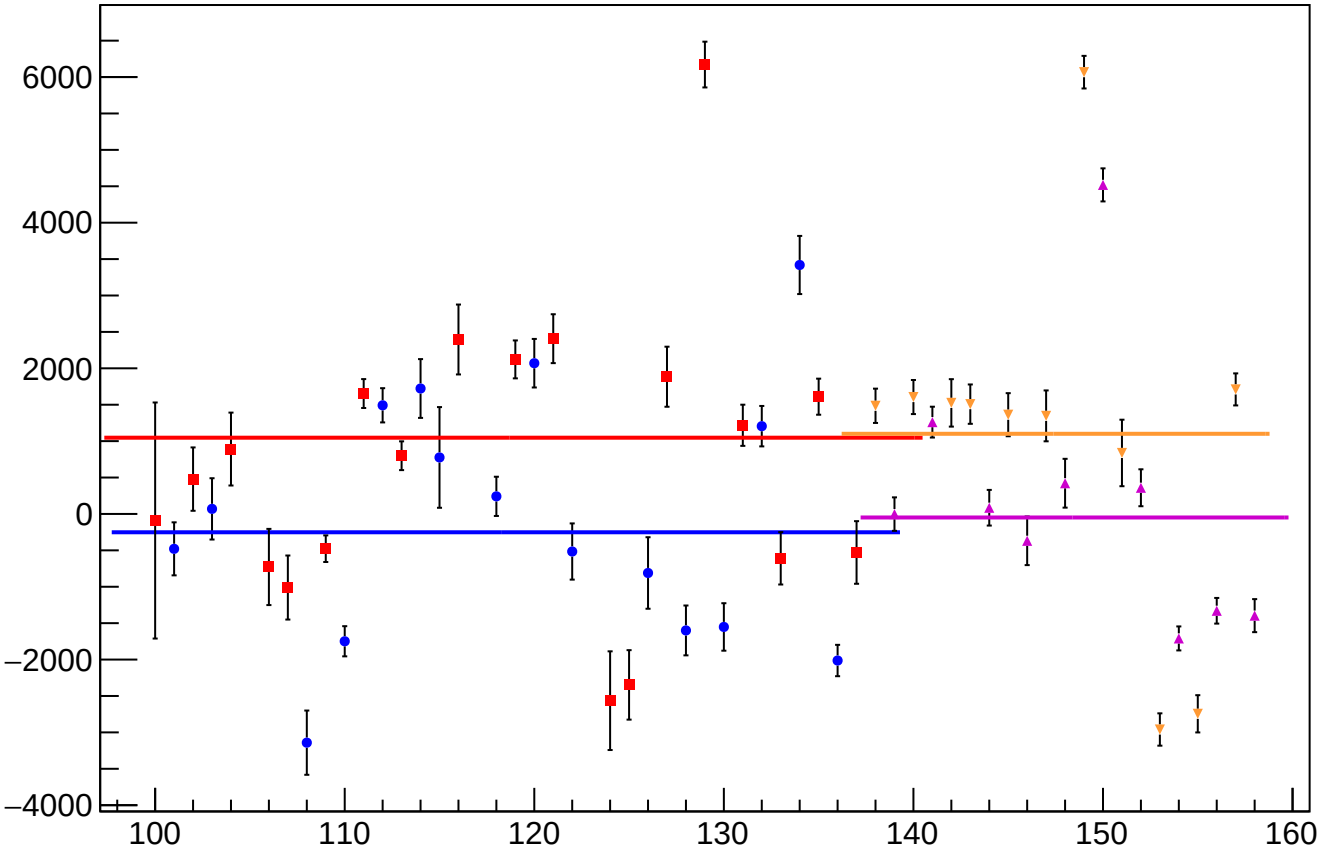
Left In: 188.922+/-0.048 χ^2/NDF:706443.6/9

+ sign 204.861+/-0.038 χ^2/NDF: 1660498.9/26

All: 193.936+/-0.026 χ^2/NDF: 3967610.9/55

- sign 184.914+/-0.034 χ^2/NDF: 2155842.9/28

asym_bpm0l09WS_mean vs Slug



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 1100.732+/-79.061 χ^2/NDF:1073.3/10

Right Out: 1047.132+/-72.190 χ^2/NDF: 546.7/18

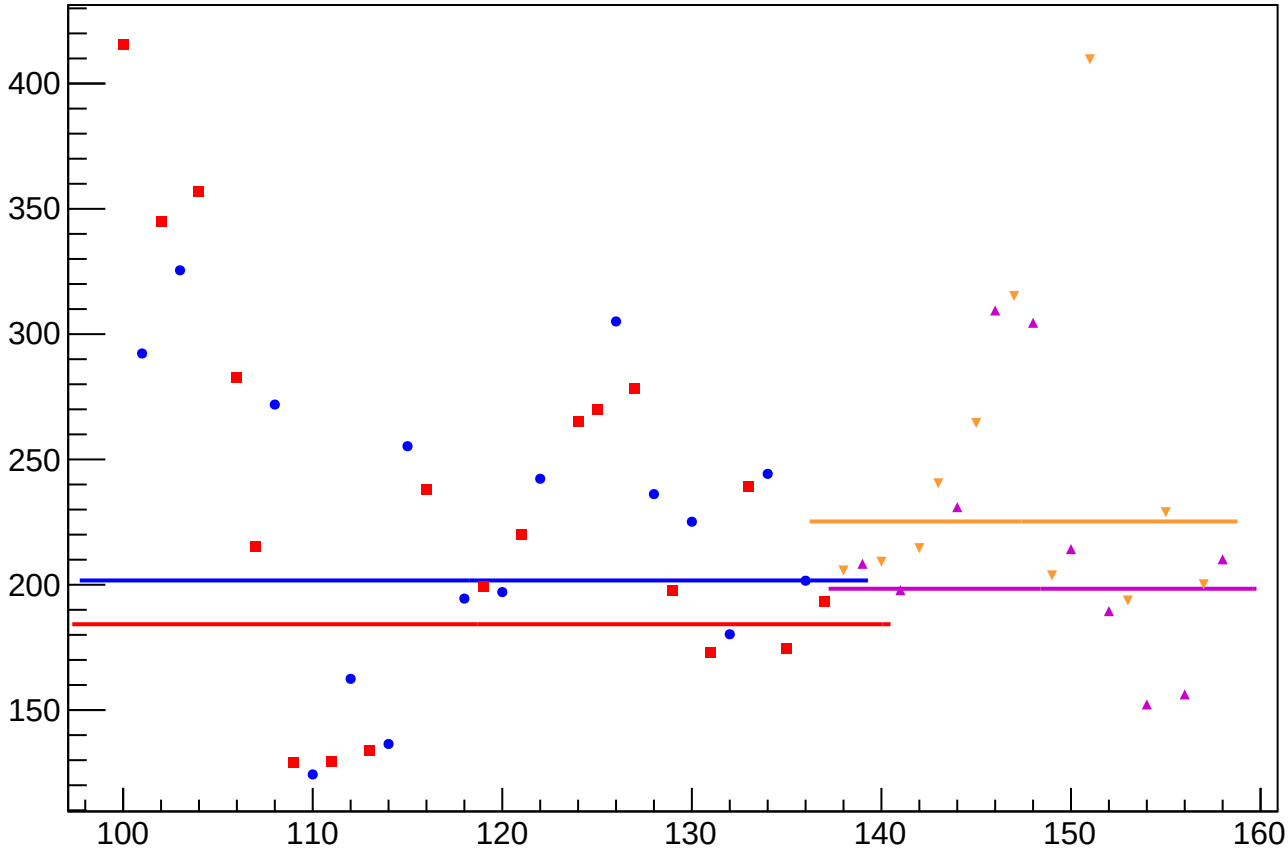
Left In: -48.673+/-70.851 χ^2/NDF:638.6/9

+ sign 423.721+/-55.874 χ^2/NDF: 1661.0/26

All: 459.594+/-37.492 χ^2/NDF: 2964.4/55

- sign 488.976+/-50.566 χ^2/NDF: 1302.7/28

asym_bpm0l09WS_rms vs Slug



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 225.254+/-0.056 χ^2/NDF:610945.4/10

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

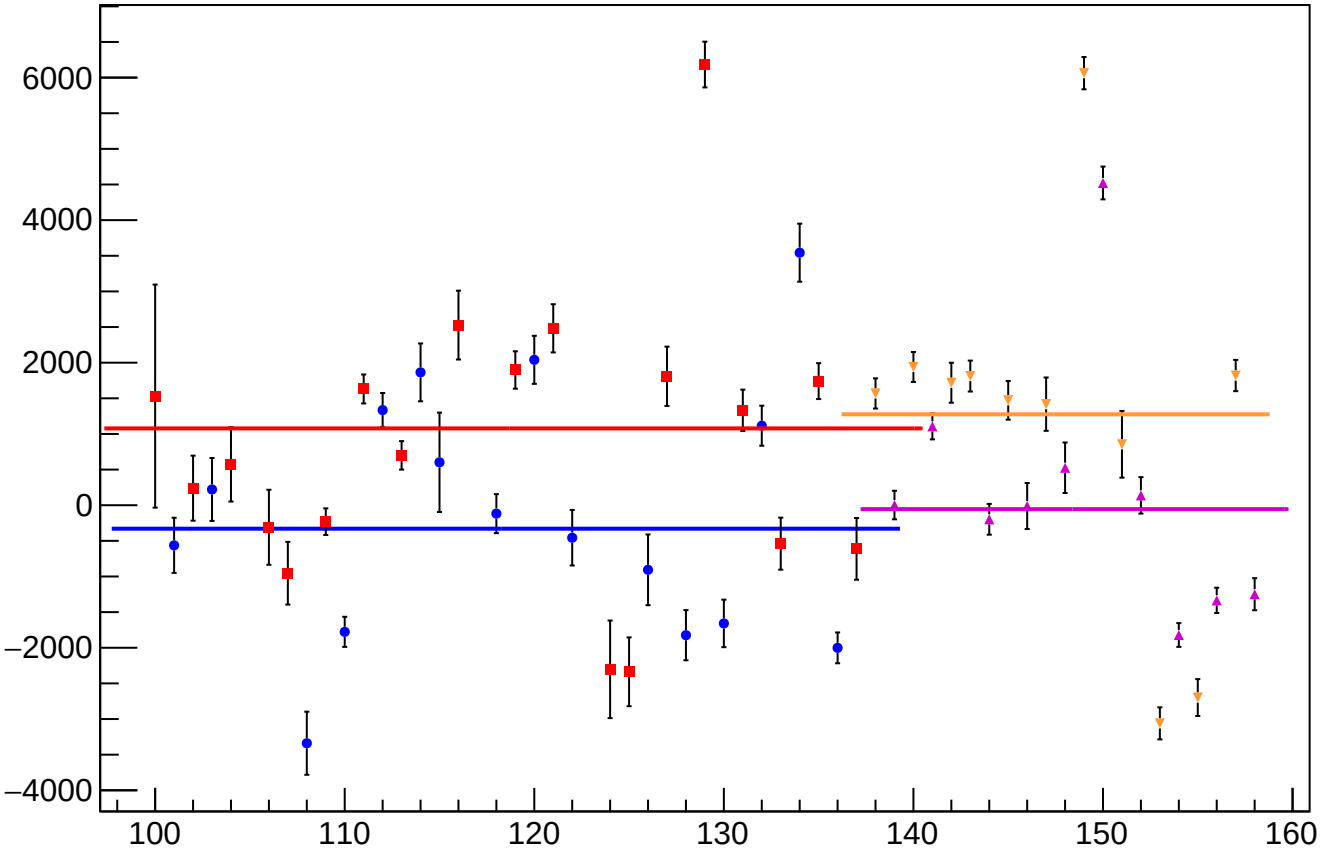
Left In: 198.408+/-0.050 χ^2/NDF:749596.3/9

+ sign 213.471+/-0.040 χ^2/NDF: 1623904.6/26

All: 201.369+/-0.027 χ^2/NDF: 3987125.1/55

- sign 191.458+/-0.036 χ^2/NDF: 2192575.0/28

asym_bpm0l10WS_mean vs Slug



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 1275.793+/-74.729 χ^2/NDF:1081.1/10

Right Out: 1077.876+/-73.404 χ^2/NDF: 502.0/18

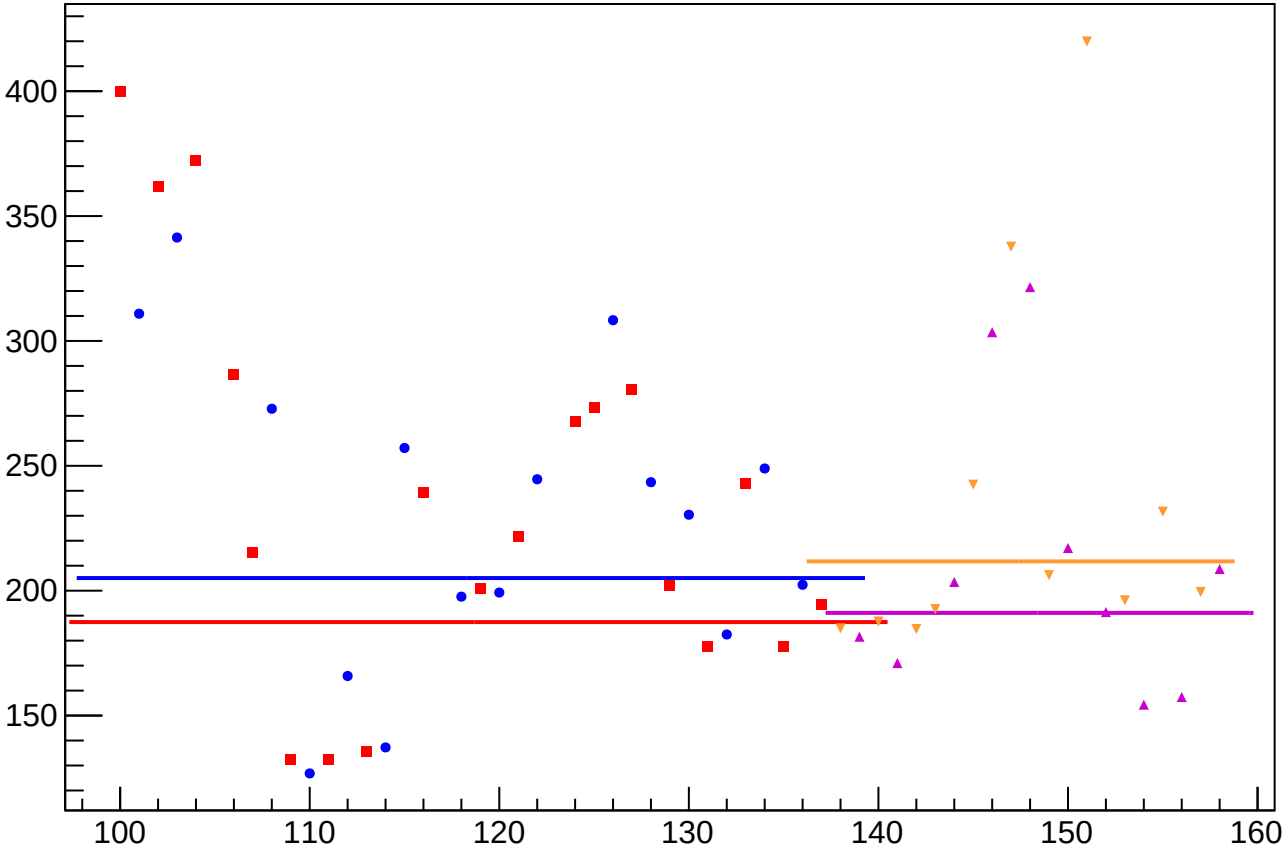
Left In: -54.864+/-68.136 χ^2/NDF:632.1/9

+ sign 531.479+/-54.726 χ^2/NDF: 1731.4/26

All: 497.605+/-36.888 χ^2/NDF: 2994.2/55

- sign 469.399+/-49.938 χ^2/NDF: 1262.0/28

asym_bpm0l10WS_rms vs Slug



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 211.731+/-0.053 χ^2/NDF:769122.6/10

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

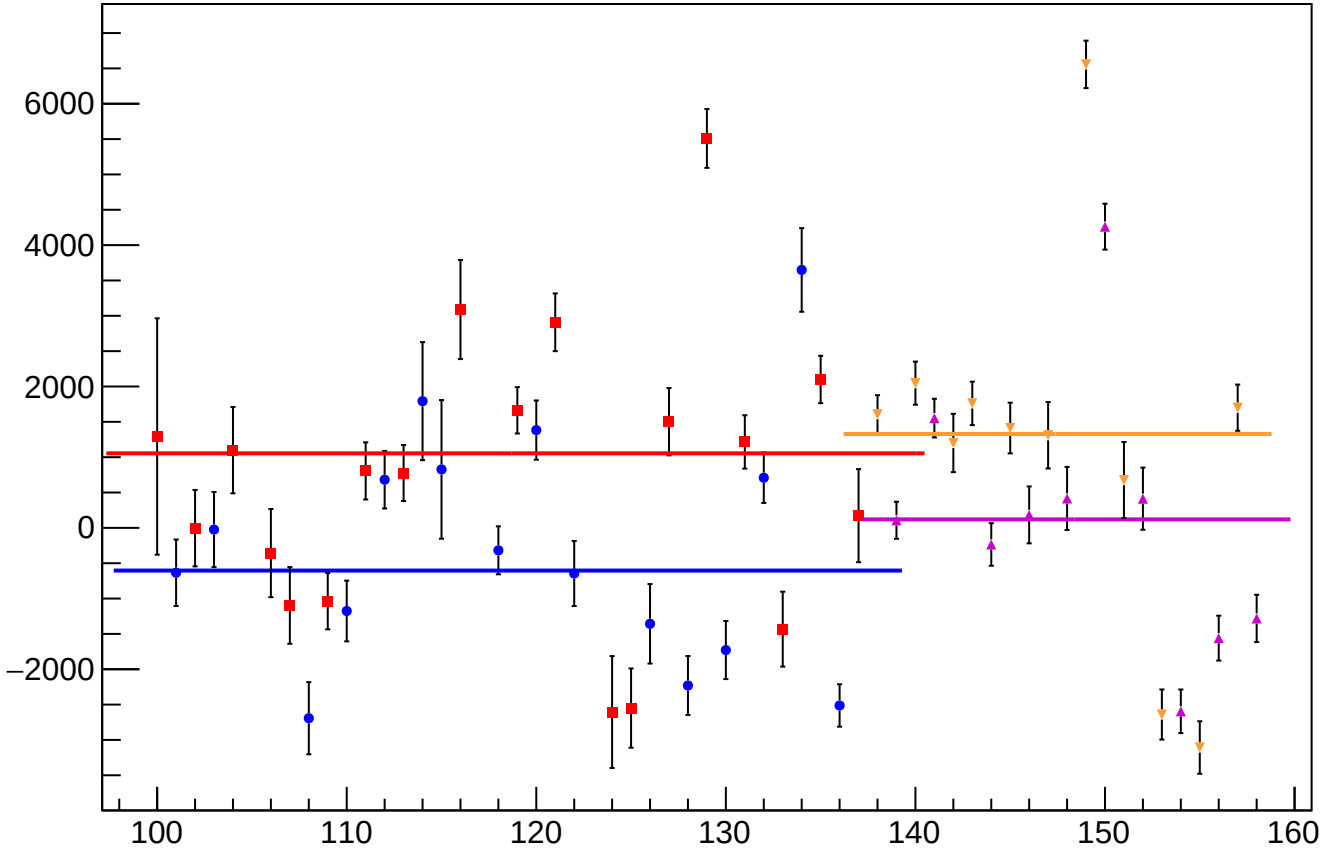
Left In: 191.110+/-0.048 χ^2/NDF:755559.2/9

+ sign 208.634+/-0.039 χ^2/NDF: 1739580.8/26

All: 198.143+/-0.026 χ^2/NDF: 4043344.9/55

- sign 189.407+/-0.035 χ^2/NDF: 2169059.5/28

asym_bpm0r03WS_mean vs Slug



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 1327.858+/-105.266 χ^2/NDF:522.5/10

Right Out: 1054.556+/-108.264 χ^2/NDF: 297.7/18

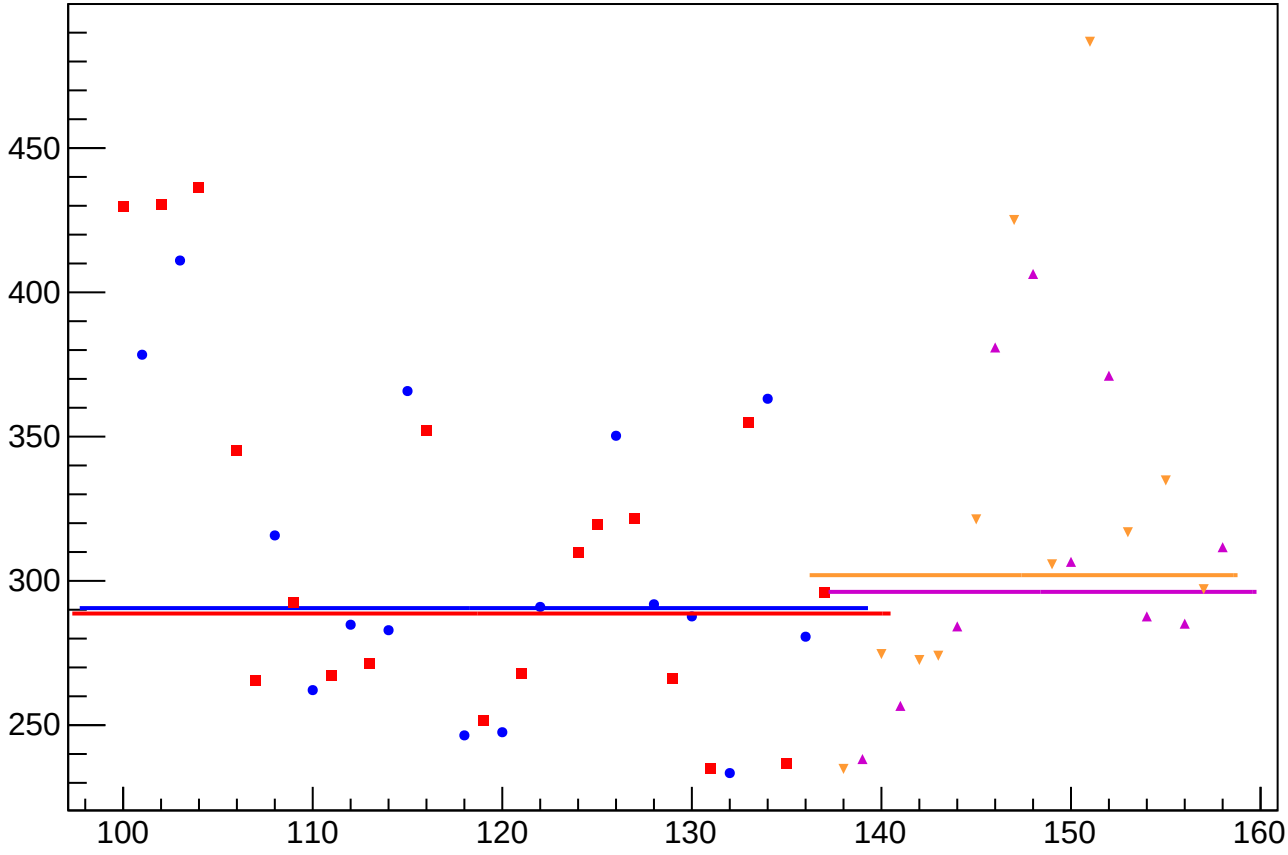
Left In: 119.987+/-103.069 χ^2/NDF:315.5/9

+ sign 410.512+/-76.281 χ^2/NDF: 875.9/26

All: 489.074+/-53.353 χ^2/NDF: 1530.2/55

- sign 564.313+/-74.650 χ^2/NDF: 652.2/28

asym_bpm0r03WS_rms vs Slug



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 301.980+/-0.074 χ^2/NDF:565910.7/10

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

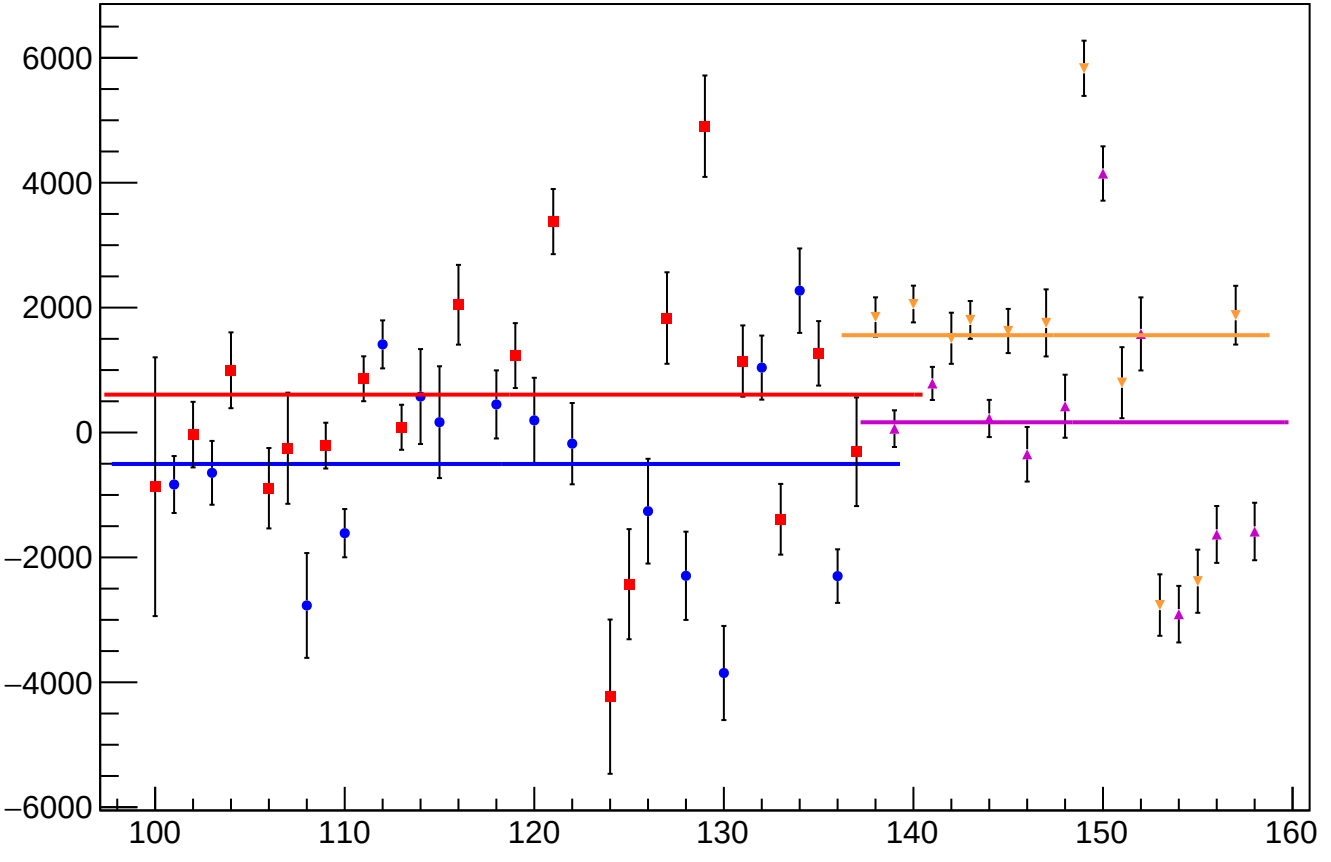
Left In: 296.192+/-0.073 χ^2/NDF:421380.5/9

+ sign 296.560+/-0.054 χ^2/NDF: 936883.7/26

All: 294.549+/-0.038 χ^2/NDF: 1855122.2/55

- sign 292.623+/-0.053 χ^2/NDF: 915517.7/28

asym_bpm0r05WS_mean vs Slug



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 1558.630+/-118.875 χ^2/NDF:238.0/10

Right Out: 606.880+/-129.609 χ^2/NDF: 125.1/18

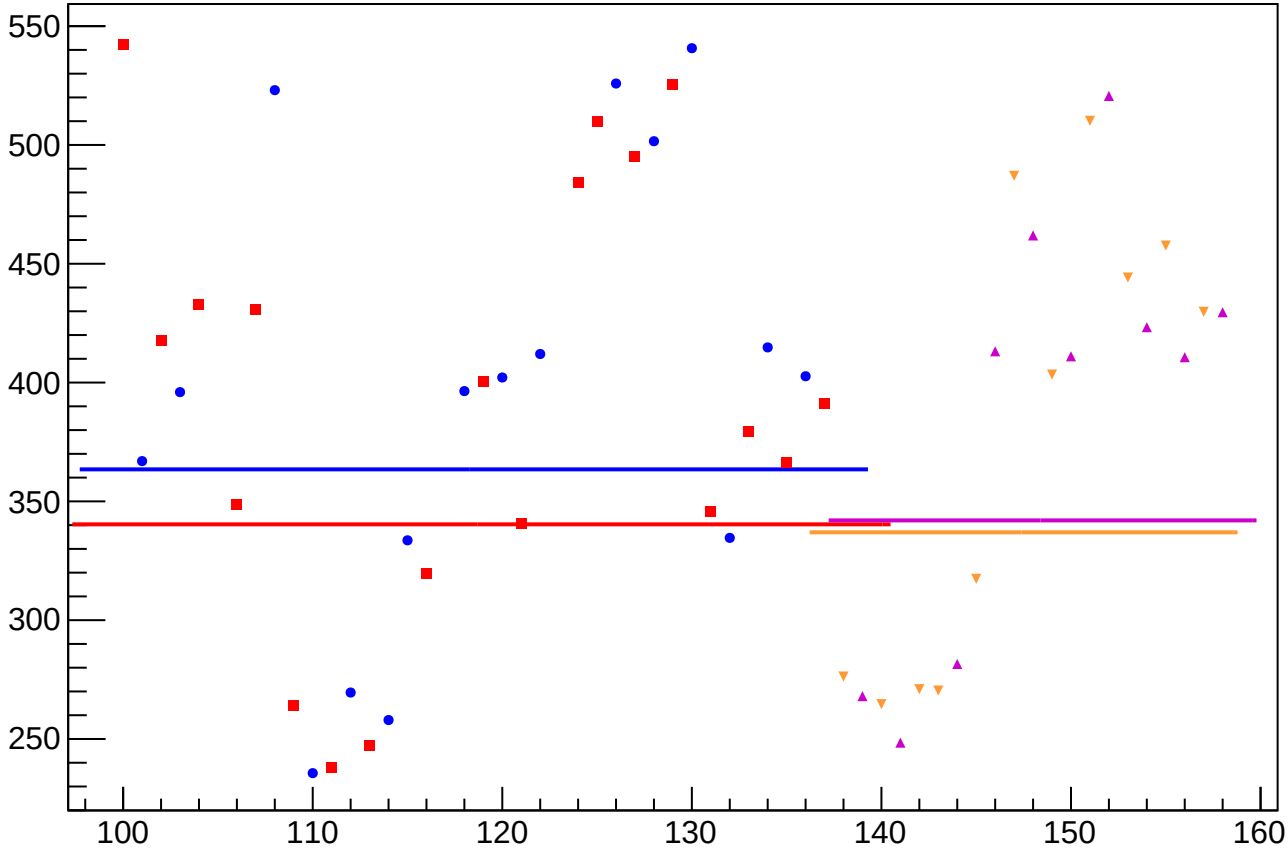
Left In: 163.768+/-120.505 χ^2/NDF:173.0/9

+ sign 695.066+/-90.631 χ^2/NDF: 482.3/26

All: 527.811+/-63.228 χ^2/NDF: 793.4/55

- sign 369.218+/-88.253 χ^2/NDF: 304.5/28

asym_bpm0r05WS_rms vs Slug



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 336.981+/-0.084 χ^2/NDF:1023291.3/10

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

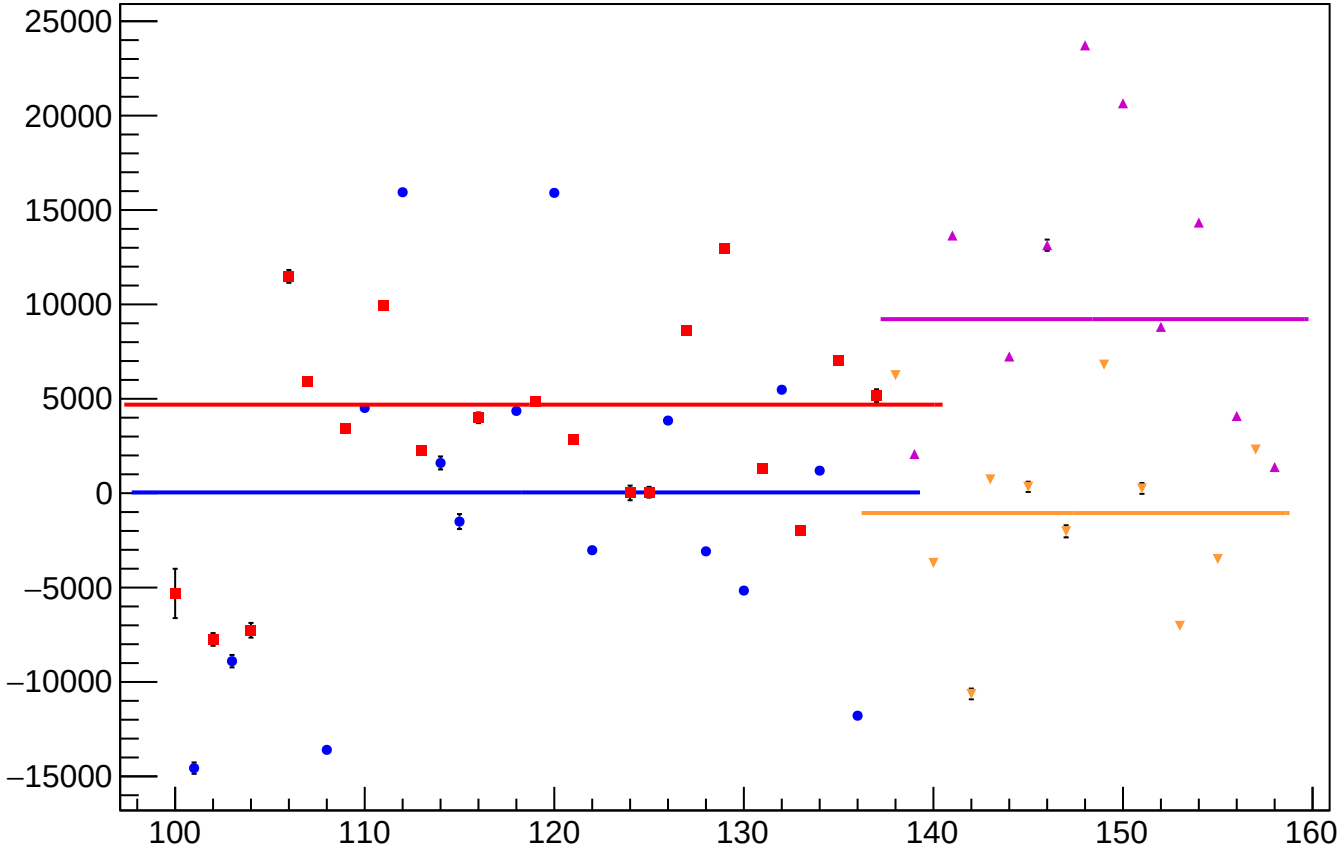
Left In: 341.994+/-0.085 χ^2/NDF:1043158.4/9

+ sign 348.074+/-0.064 χ^2/NDF: 1845770.2/26

All: 344.558+/-0.045 χ^2/NDF: 3751199.4/55

- sign 341.224+/-0.062 χ^2/NDF: 1899565.1/28

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -1051.393+/-60.652 χ^2/NDF:6562.3/10

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

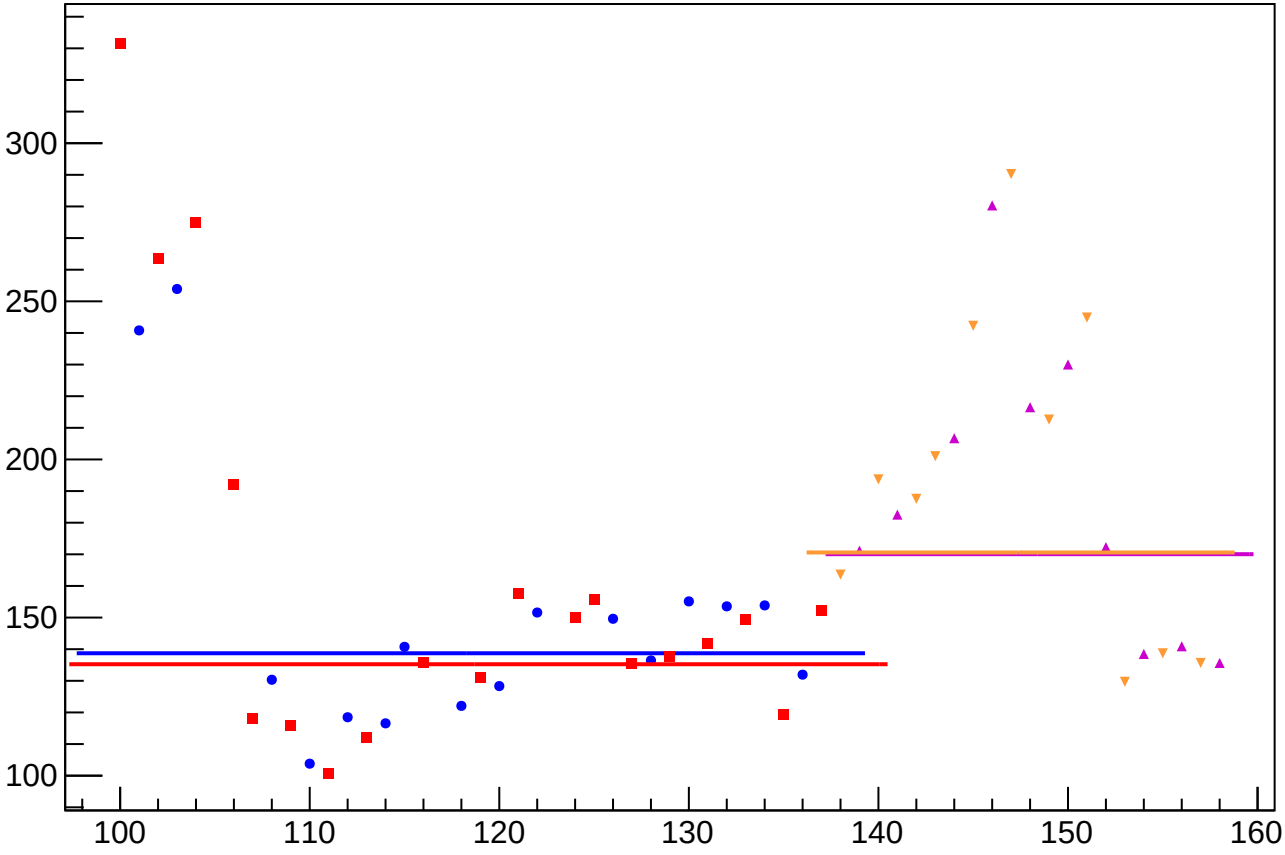
Left In: 9218.937+/-60.616 χ^2/NDF:12984.8/9

+ sign -444.053+/-40.414 χ^2/NDF: 37528.9/26

All: 3164.844+/-28.252 χ^2/NDF: 77115.6/55

- sign 6613.874+/-39.509 χ^2/NDF: 23991.7/28

asym_bpm0i02WS_rms vs Slug



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 170.587+/-0.043 χ^2/NDF:1043827.7/10

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

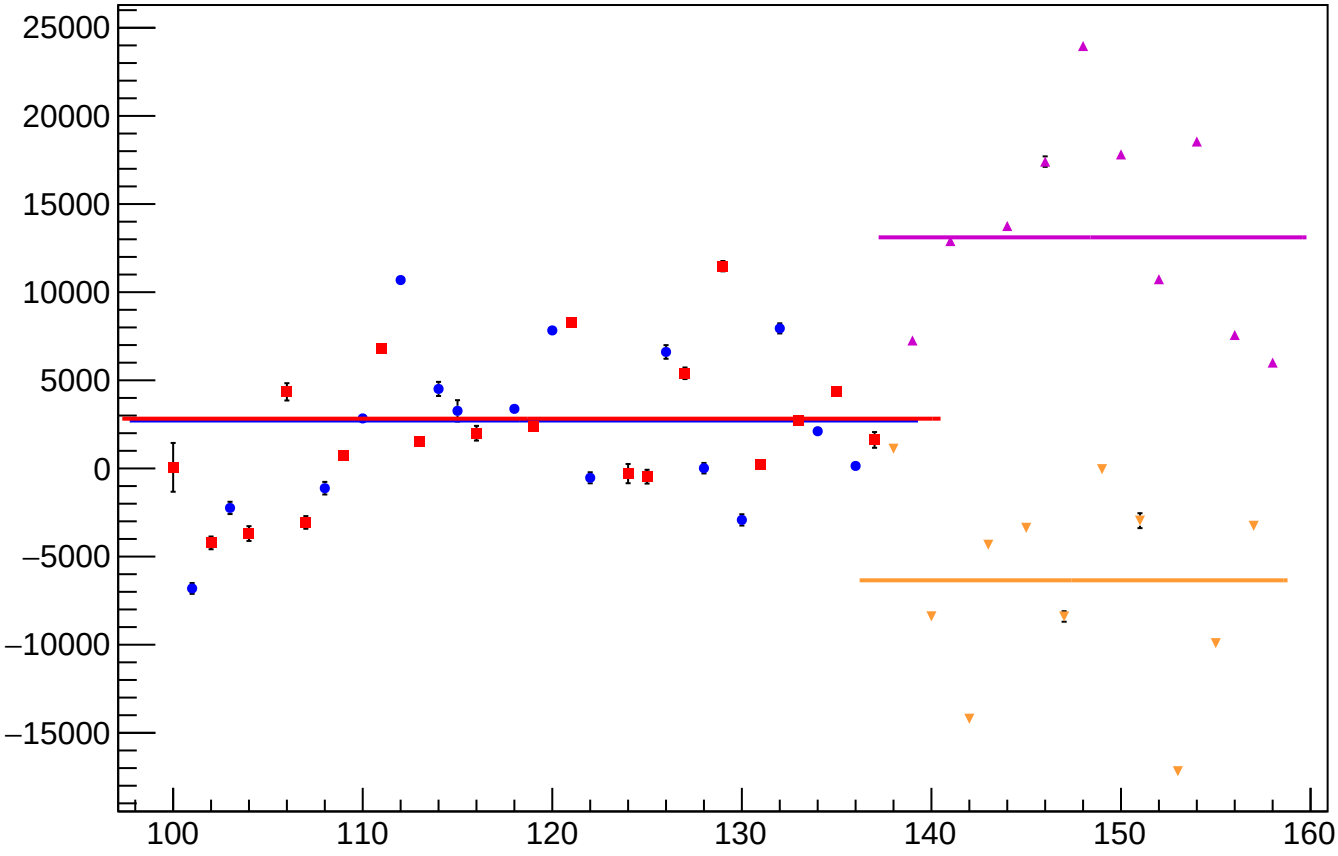
Left In: 170.038+/-0.043 χ^2/NDF:802836.4/9

+ sign 152.864+/-0.029 χ^2/NDF: 2008751.2/26

All: 151.413+/-0.020 χ^2/NDF: 4085649.3/55

- sign 150.026+/-0.028 χ^2/NDF: 2071856.0/28

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -6346.781+/-71.145 χ^2/NDF:6750.5/10

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

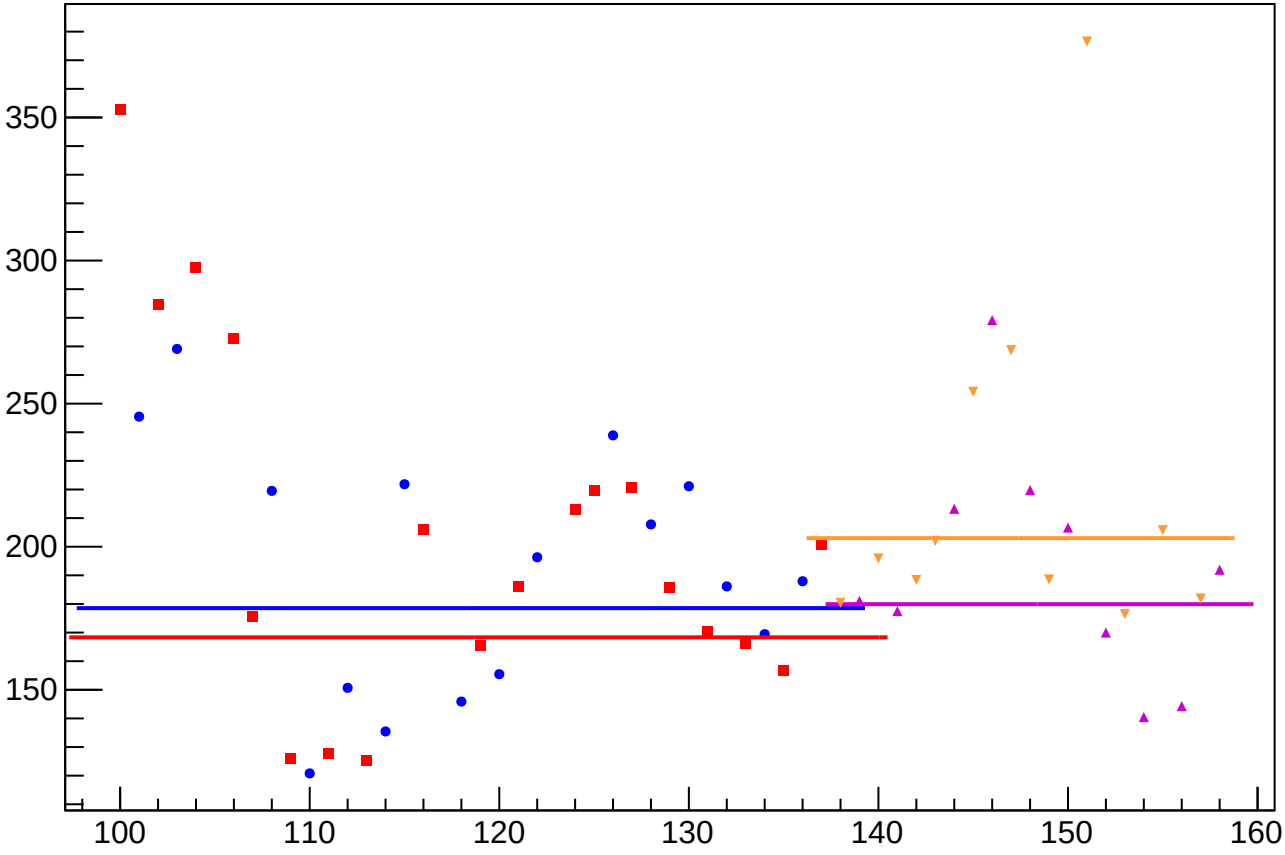
Left In: 13110.901+/-63.887 χ^2/NDF:7227.5/9

+ sign -1690.913+/-49.622 χ^2/NDF: 19219.8/26

All: 3596.495+/-33.541 χ^2/NDF: 63184.2/55

- sign 8044.212+/-45.512 χ^2/NDF: 23060.3/28

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 202.990+/-0.050 χ^2/NDF:596505.0/10

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

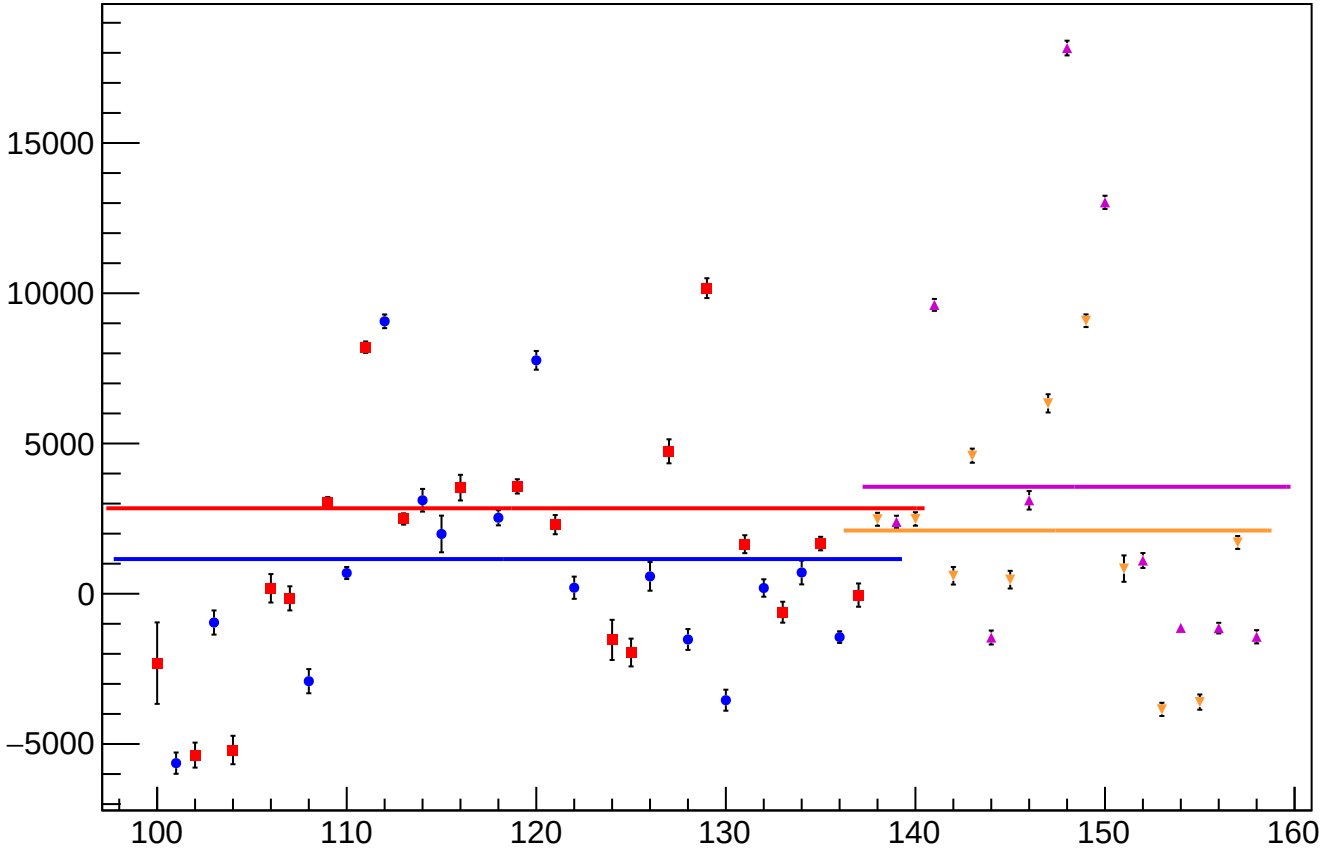
Left In: 179.927+/-0.045 χ^2/NDF:592338.2/9

+ sign 190.435+/-0.035 χ^2/NDF: 1392364.2/26

All: 181.627+/-0.024 χ^2/NDF: 3112646.9/55

- sign 174.218+/-0.032 χ^2/NDF: 1604257.2/28

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 2104.168+/-74.779 χ^2/NDF:2714.0/10

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

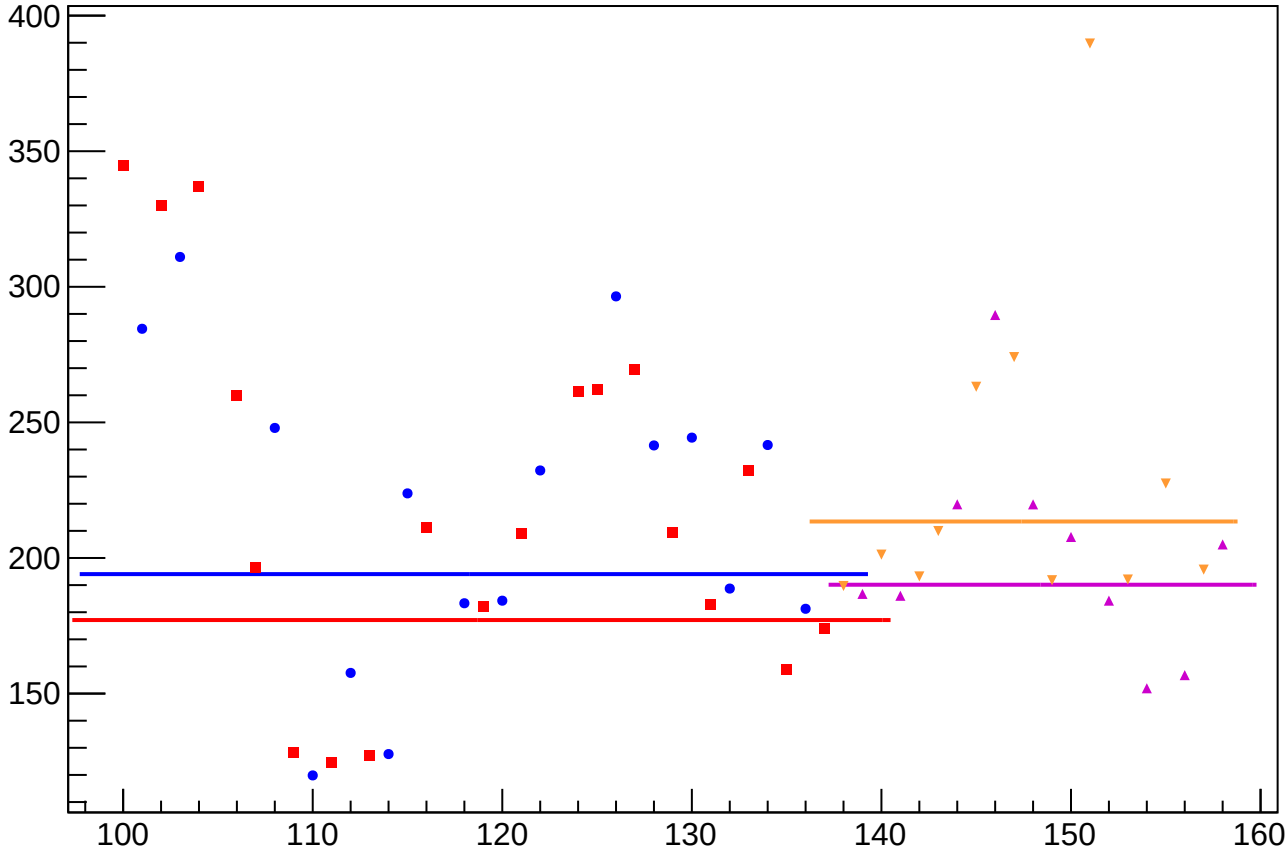
Left In: 3559.811+/-67.313 χ^2/NDF:8940.6/9

+ sign 1636.418+/-53.288 χ^2/NDF: 5448.9/26

All: 2502.207+/-35.759 χ^2/NDF: 17377.9/55

- sign 3211.431+/-48.230 χ^2/NDF: 11448.8/28

asym_bpm0i05WS_rms vs Slug



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 213.457+/-0.053 χ^2/NDF:558570.9/10

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

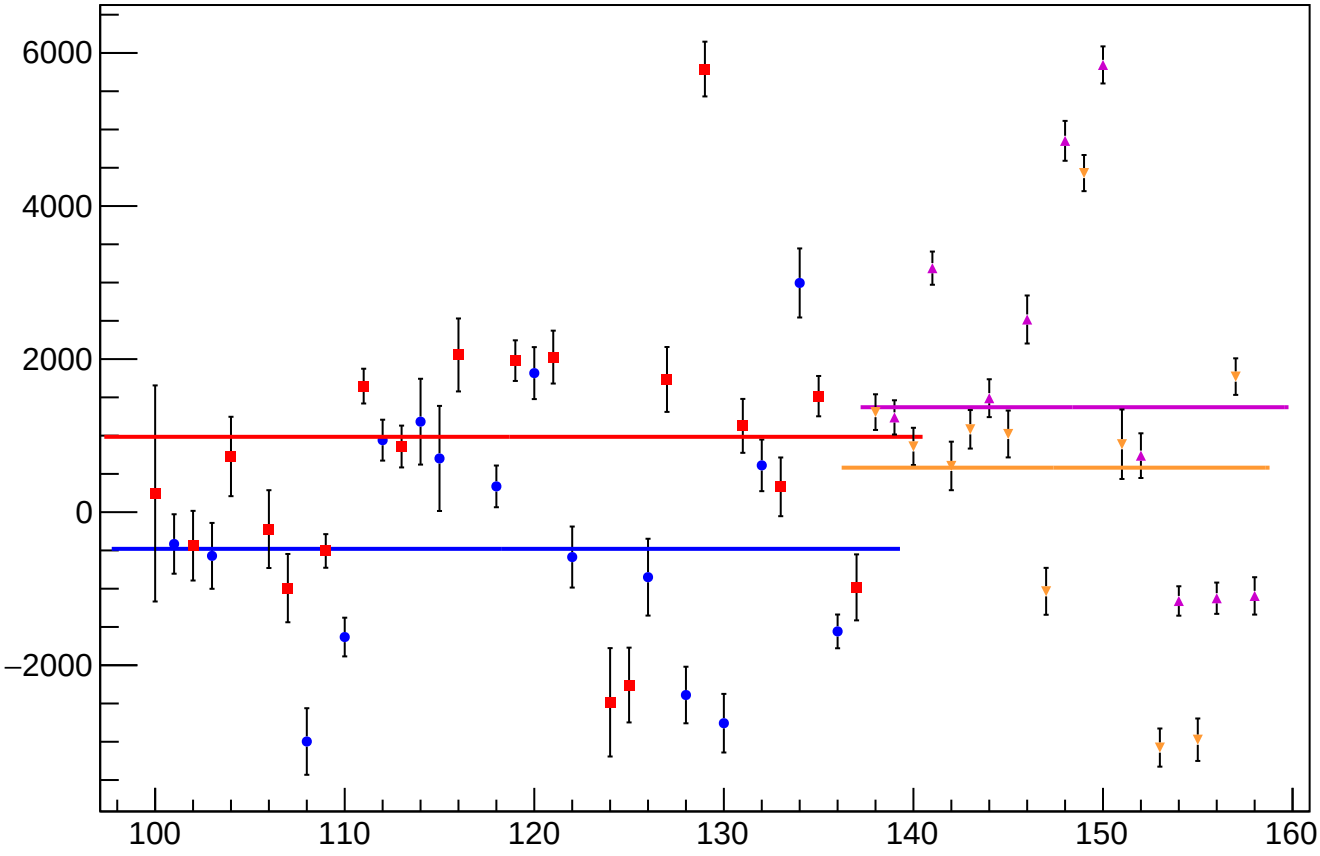
Left In: 190.137+/-0.048 χ^2/NDF:473246.4/9

+ sign 203.906+/-0.038 χ^2/NDF: 1590634.3/26

All: 192.854+/-0.025 χ^2/NDF: 3616159.6/55

- sign 183.800+/-0.034 χ^2/NDF: 1869017.4/28

asym_bpm0i07WS_mean vs Slug



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 581.403+/-81.179 χ^2/NDF:715.3/10

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

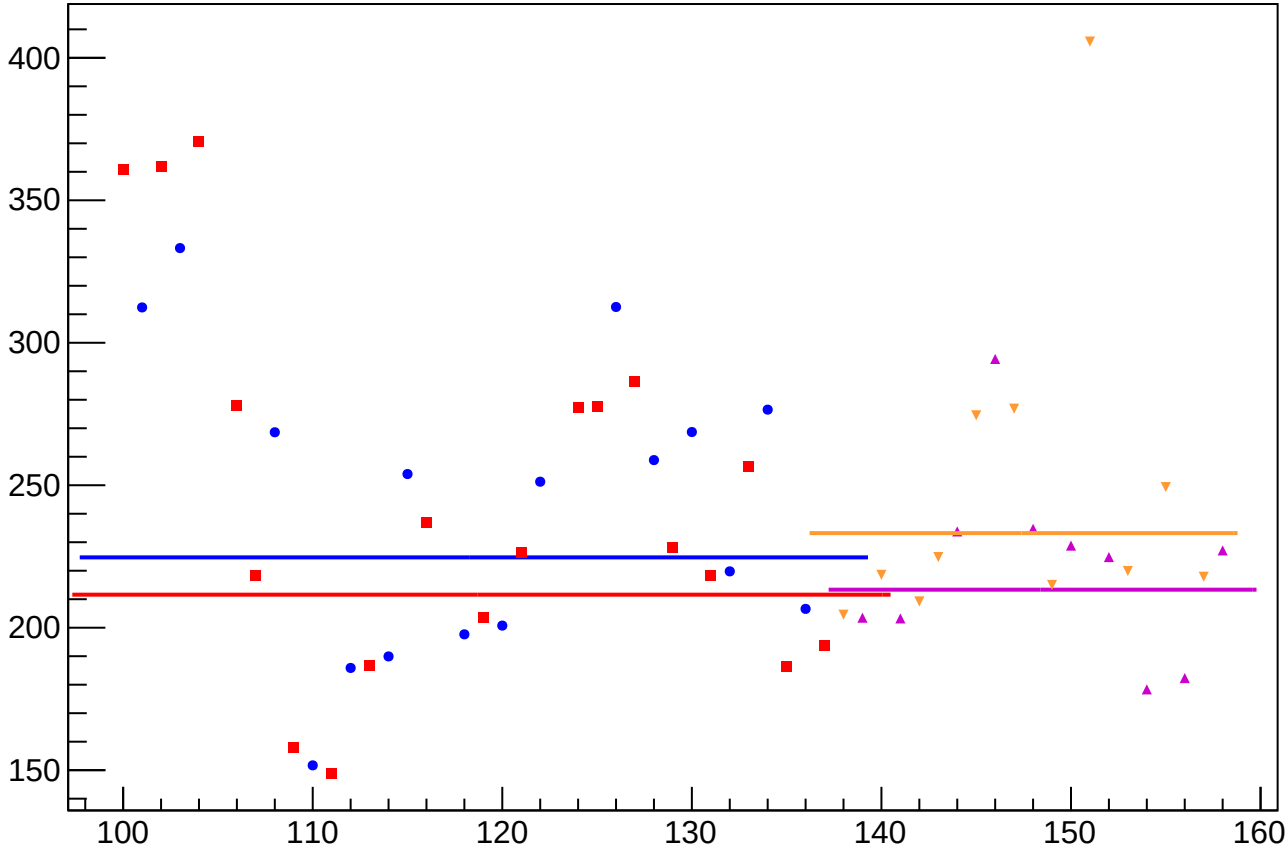
Left In: 1371.372+/-74.745 χ^2/NDF:1032.4/9

+ sign 85.804+/-59.253 χ^2/NDF: 1100.5/26

All: 681.593+/-40.277 χ^2/NDF: 2731.3/55

- sign 1193.318+/-54.914 χ^2/NDF: 1442.9/28

asym_bpm0i07WS_rms vs Slug



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 233.199+/-0.057 χ^2/NDF:449716.5/10

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

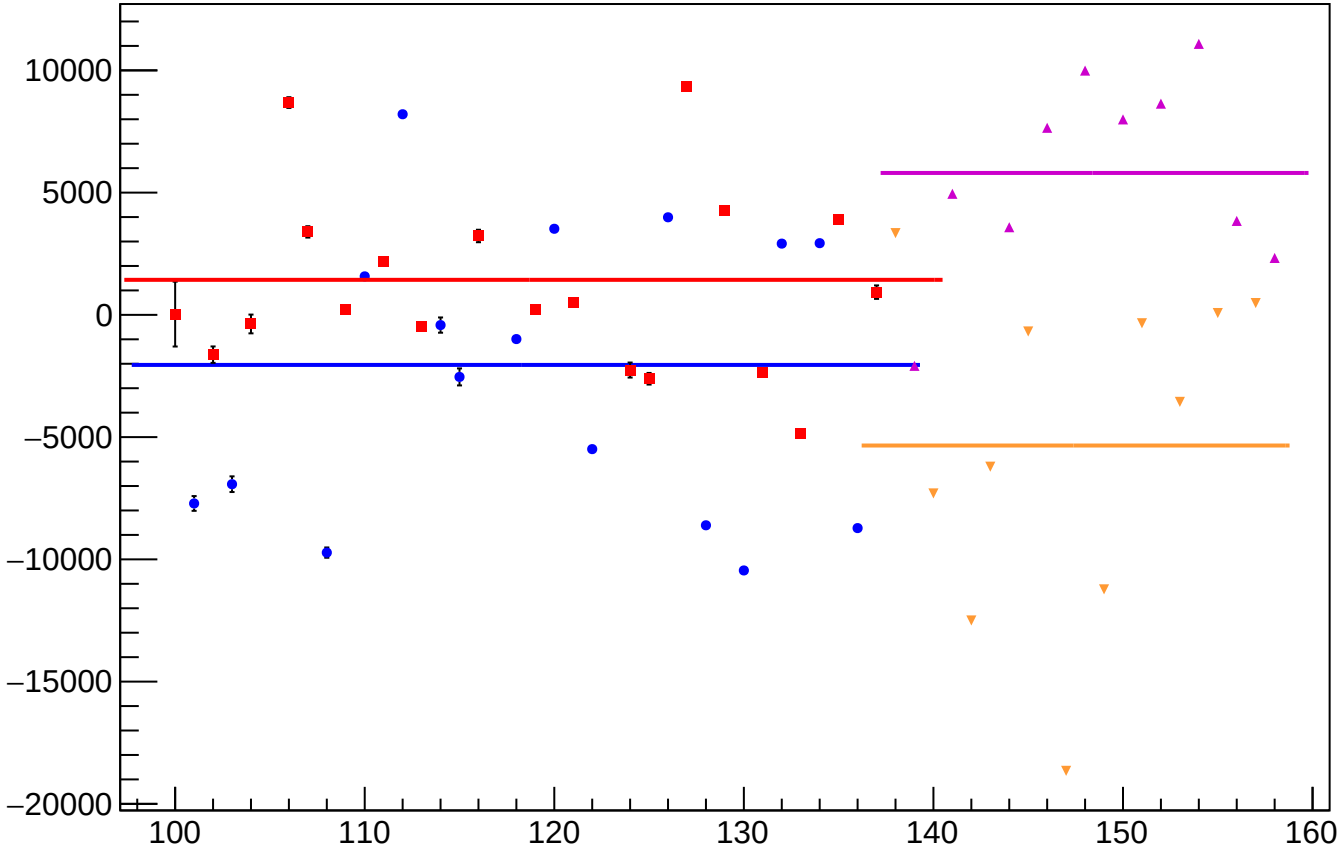
Left In: 213.346+/-0.053 χ^2/NDF:298376.5/9

+ sign 229.220+/-0.042 χ^2/NDF: 1113193.8/26

All: 220.247+/-0.028 χ^2/NDF: 2430233.7/55

- sign 212.540+/-0.039 χ^2/NDF: 1231784.2/28

asym_bpm1i02WS_mean vs Slug



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -5343.664+/-39.314 χ^2/NDF:27614.6/10

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

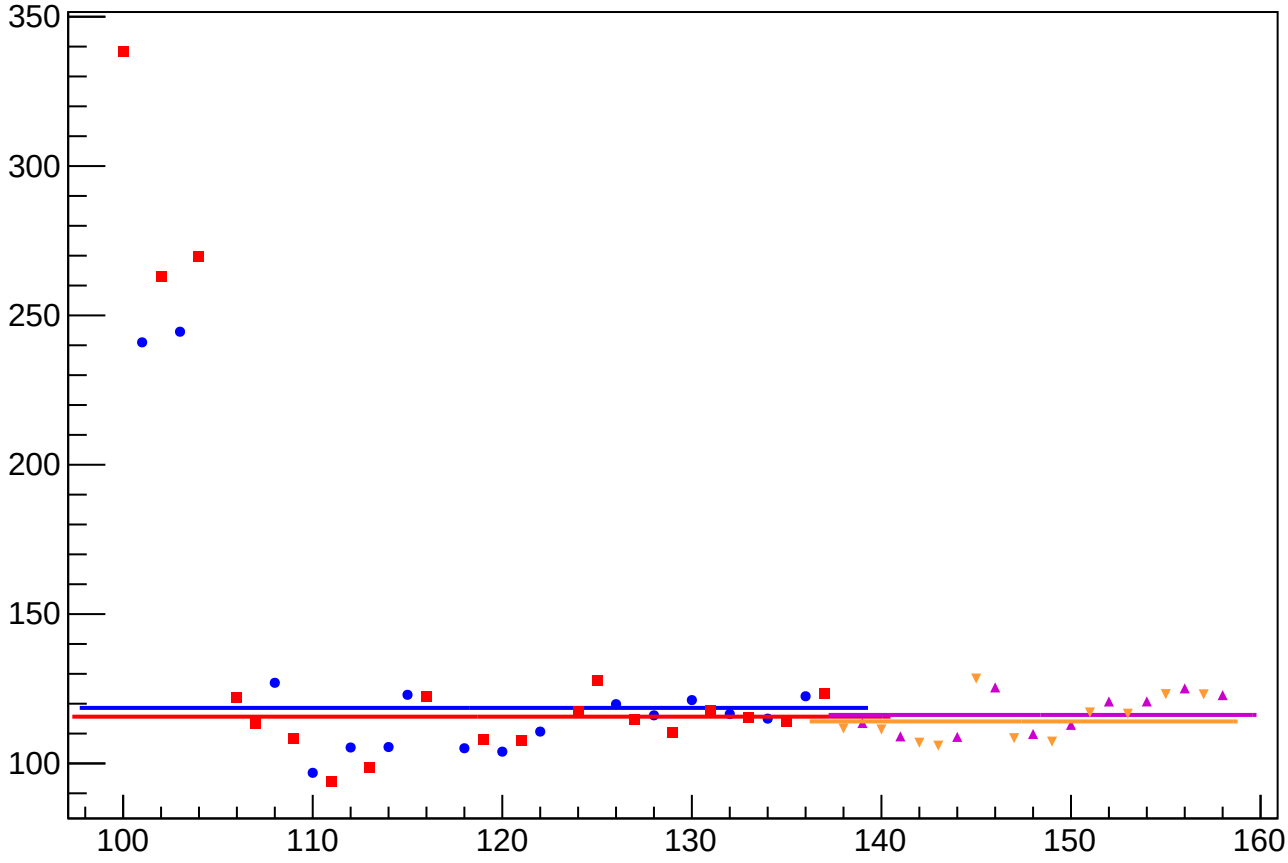
Left In: 5804.233+/-39.942 χ^2/NDF:9005.0/9

+ sign -3977.187+/-30.082 χ^2/NDF: 47238.1/26

All: -18.266+/-21.168 χ^2/NDF: 102253.4/55

- sign 3864.917+/-29.792 χ^2/NDF: 20706.5/28

asym_bpm1i02WS_rms vs Slug



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 114.064+/-0.028 χ^2/NDF:64778.0/10

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

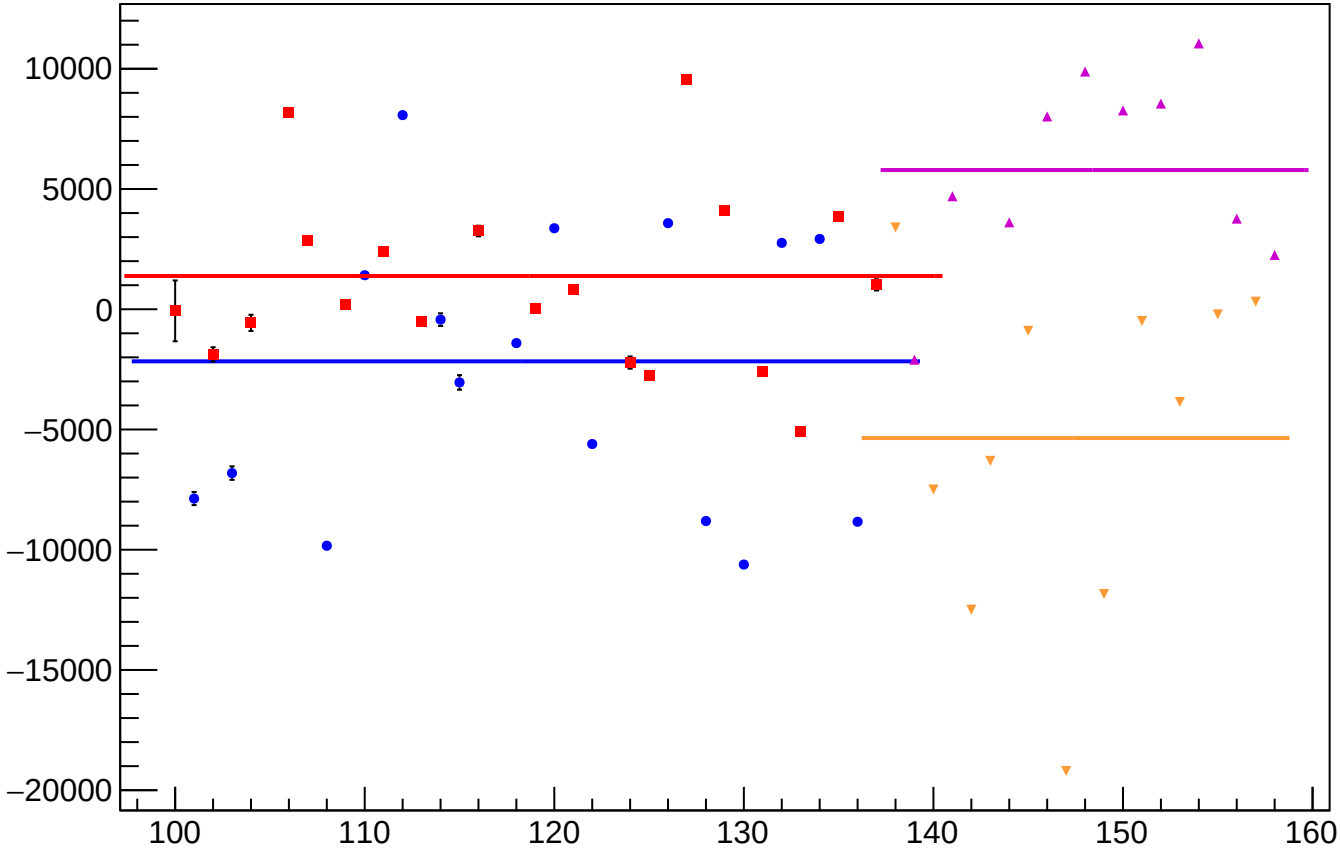
Left In: 116.243+/-0.028 χ^2/NDF:50745.1/9

+ sign 115.943+/-0.021 χ^2/NDF: 809953.5/26

All: 115.964+/-0.015 χ^2/NDF: 1725096.5/55

- sign 115.984+/-0.021 χ^2/NDF: 915141.0/28

asym_bpm1i04WS_mean vs Slug



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -5355.876+/-35.526 χ^2/NDF:33535.8/10

Right Out: 1383.103+/-37.976 χ^2/NDF: 9148.6/18

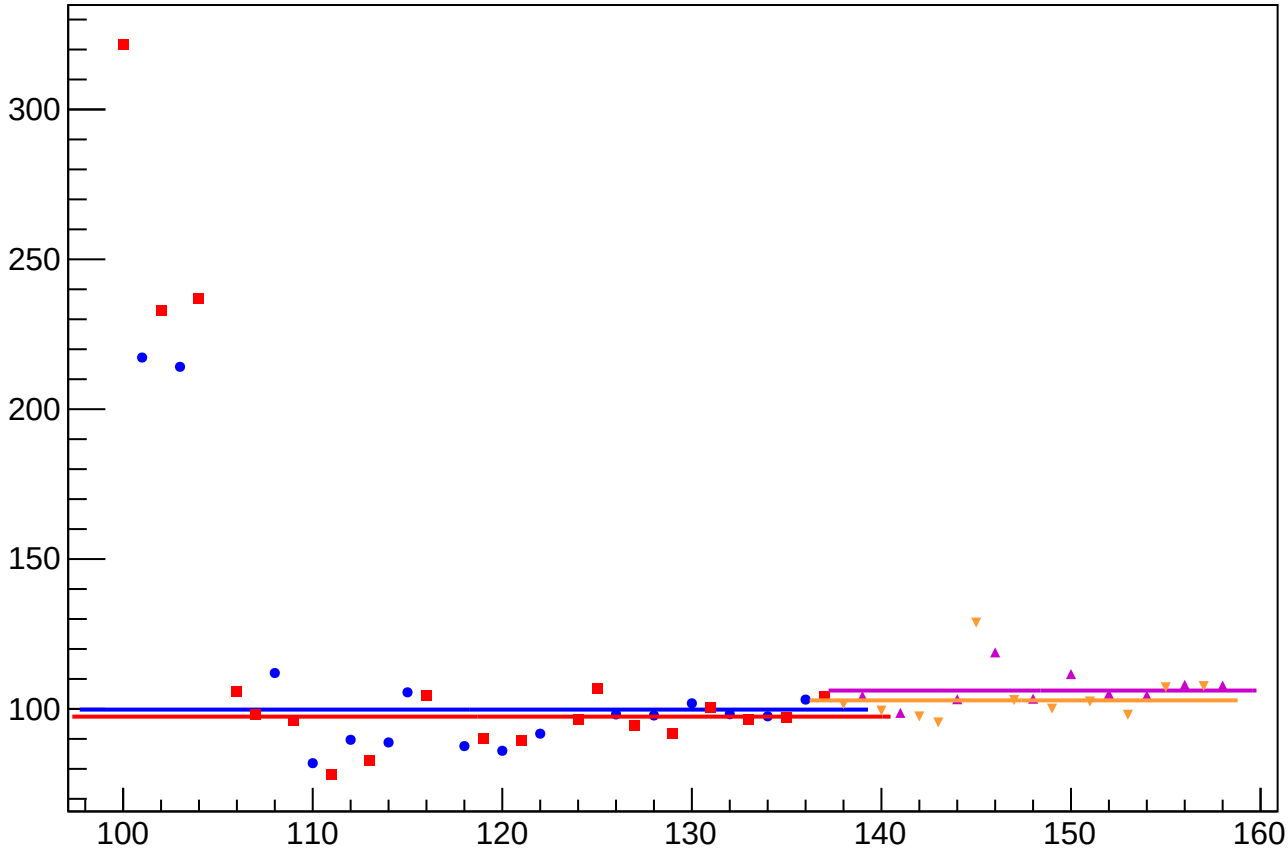
Left In: 5788.860+/-36.495 χ^2/NDF:11063.5/9

+ sign -3934.610+/-26.454 χ^2/NDF: 60002.8/26

All: -110.344+/-18.656 χ^2/NDF: 128789.2/55

- sign 3673.550+/-26.314 χ^2/NDF: 27209.4/28

asym_bpm1i04WS_rms vs Slug



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 102.852+/-0.025 χ^2/NDF:88713.1/10

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

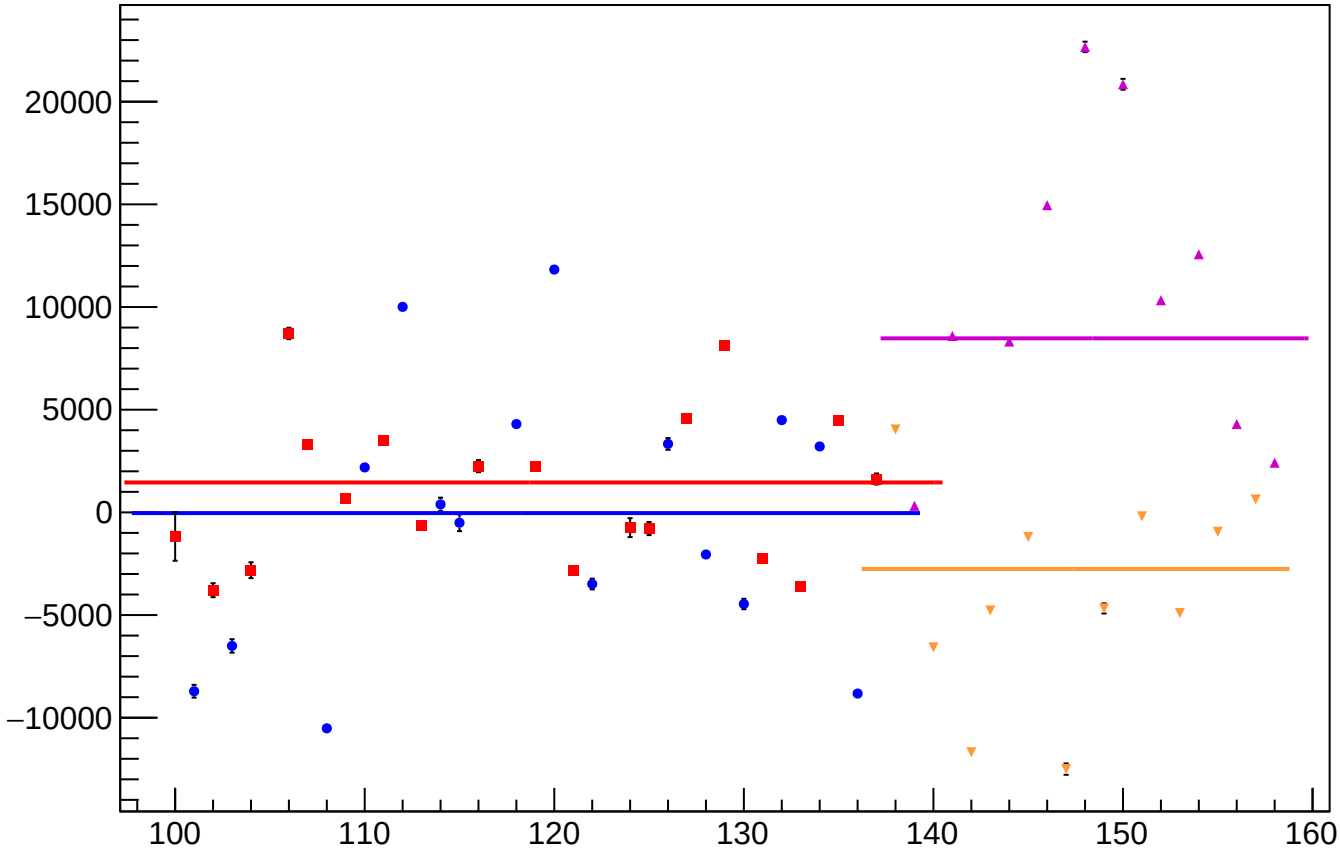
Left In: 106.130+/-0.026 χ^2/NDF:38720.5/9

+ sign 101.481+/-0.019 χ^2/NDF: 904551.9/26

All: 101.717+/-0.013 χ^2/NDF: 1924234.6/55

- sign 101.951+/-0.019 χ^2/NDF: 1019364.4/28

asym_bpm1i06WS_mean vs Slug



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -2753.134+/-53.491 χ^2/NDF:6449.0/10

Right Out: 1456.665+/-51.946 χ^2/NDF: 4117.0/18

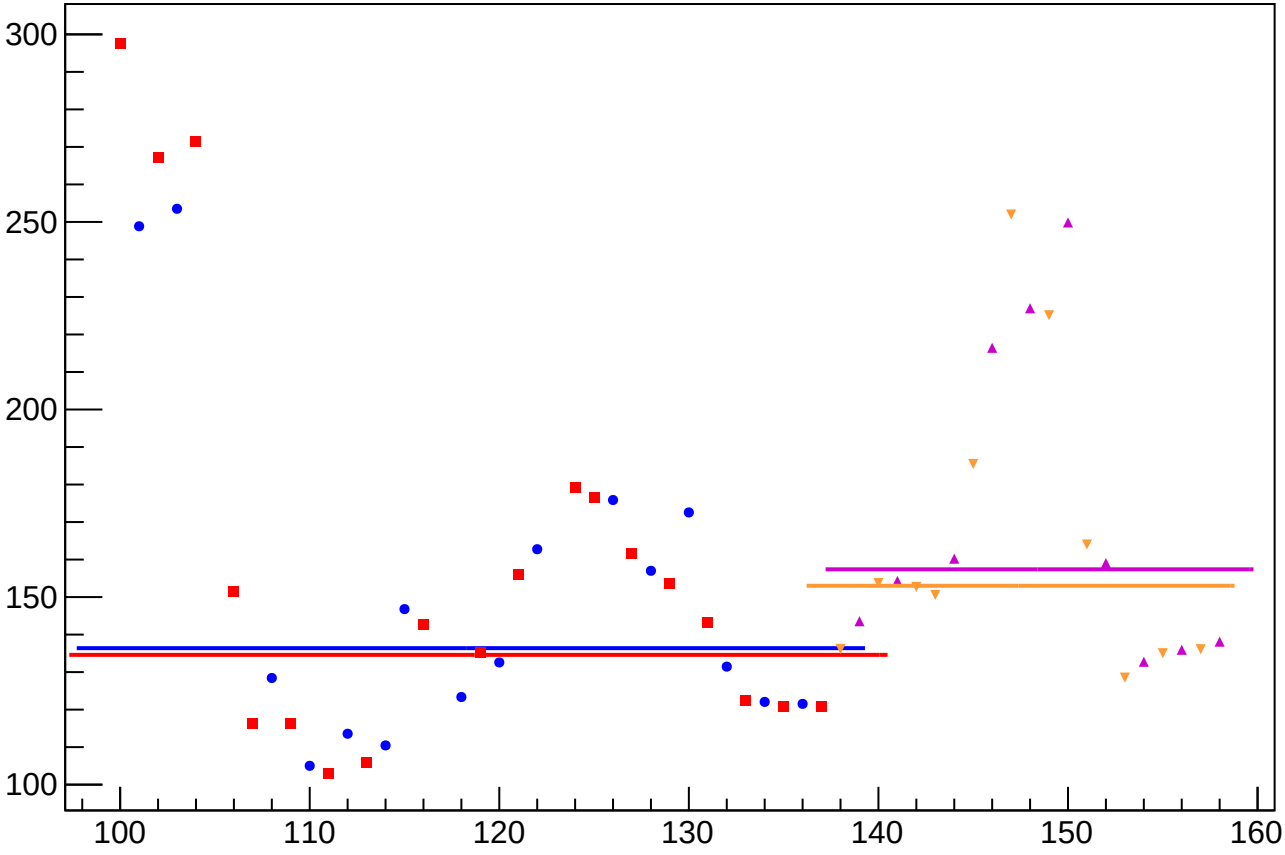
Left In: 8475.051+/-55.138 χ^2/NDF:12077.6/9

+ sign -1393.244+/-37.815 χ^2/NDF: 24543.8/26

All: 1682.242+/-26.737 χ^2/NDF: 62549.4/55

- sign 4756.835+/-37.809 χ^2/NDF: 24778.3/28

asym_bpm1i06WS_rms vs Slug



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 153.012+/-0.038 χ^2/NDF:617583.3/10

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

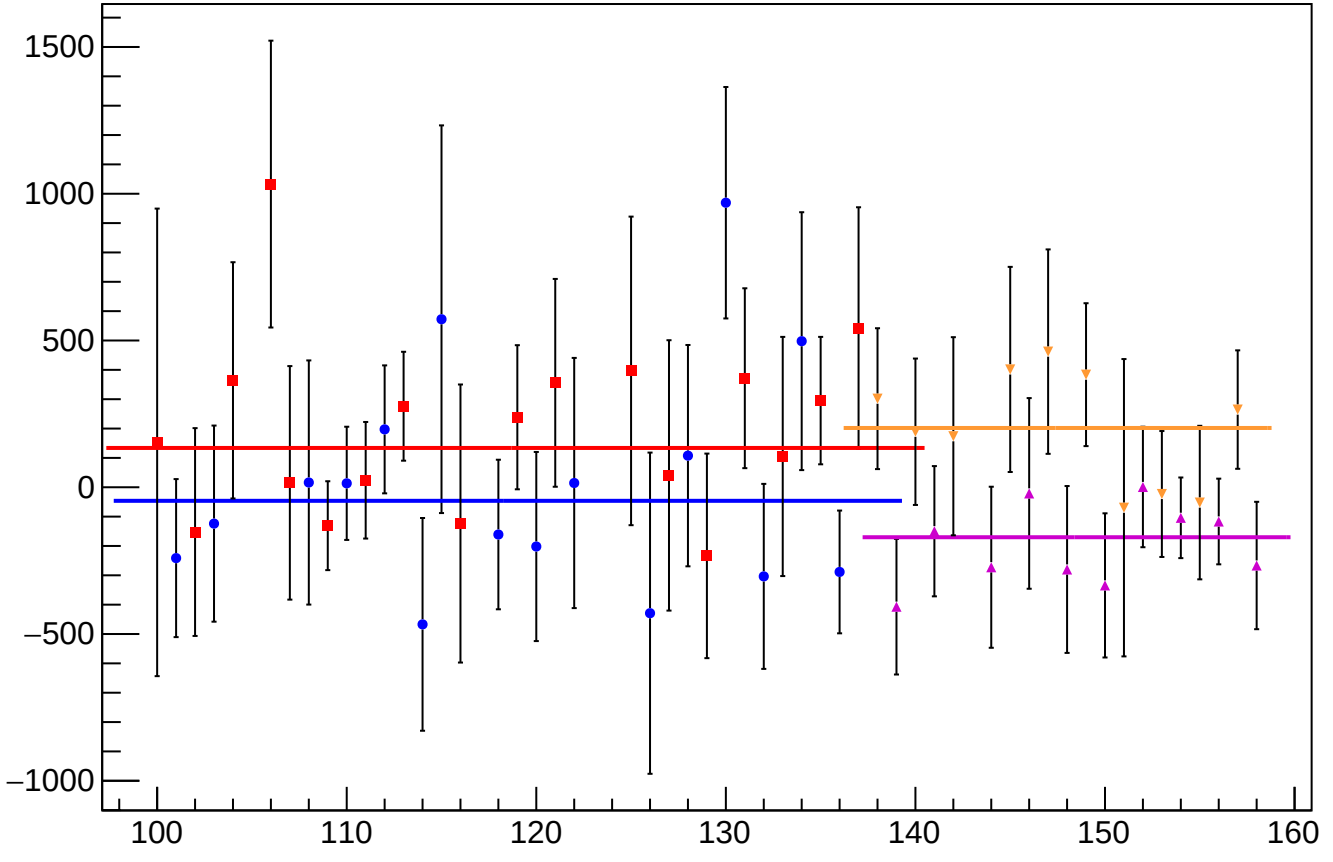
Left In: 157.396+/-0.039 χ^2/NDF:677509.9/9

+ sign 144.694+/-0.027 χ^2/NDF: 1511128.3/26

All: 145.006+/-0.019 χ^2/NDF: 3289659.6/55

- sign 145.318+/-0.027 χ^2/NDF: 1778258.4/28

asym_bcm_2an_us_an_ds_avg_mean vs Slug



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 201.983+/-84.413 χ^2/NDF:4.1/9

Right Out: 133.913+/-68.414 χ^2/NDF: 12.8/17

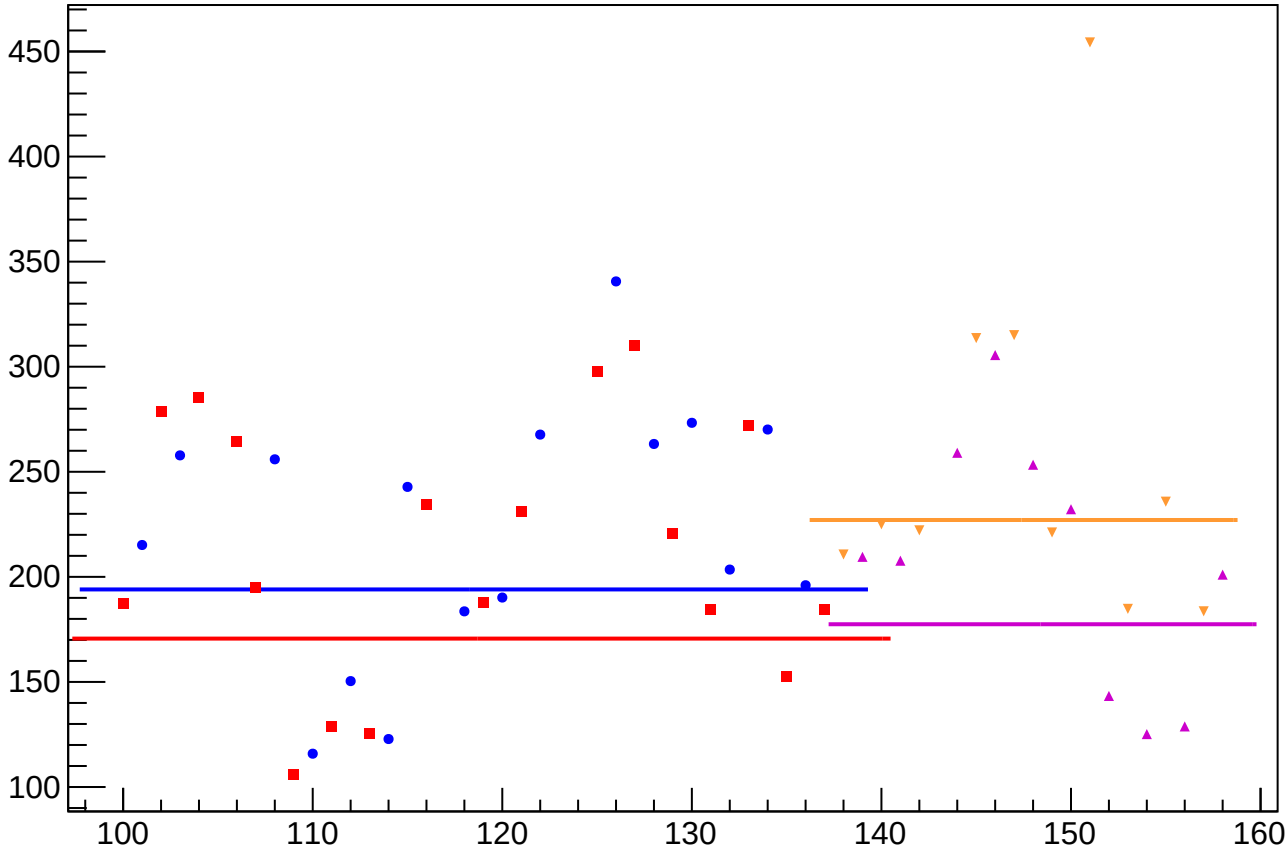
Left In: -170.263+/-65.138 χ^2/NDF:3.3/9

+ sign 65.368+/-56.597 χ^2/NDF: 24.3/25

All: 11.674+/-36.237 χ^2/NDF: 52.3/53

- sign -25.630+/-47.175 χ^2/NDF: 26.5/27

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 227.058+/-0.060 χ^2/NDF:836697.6/9

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

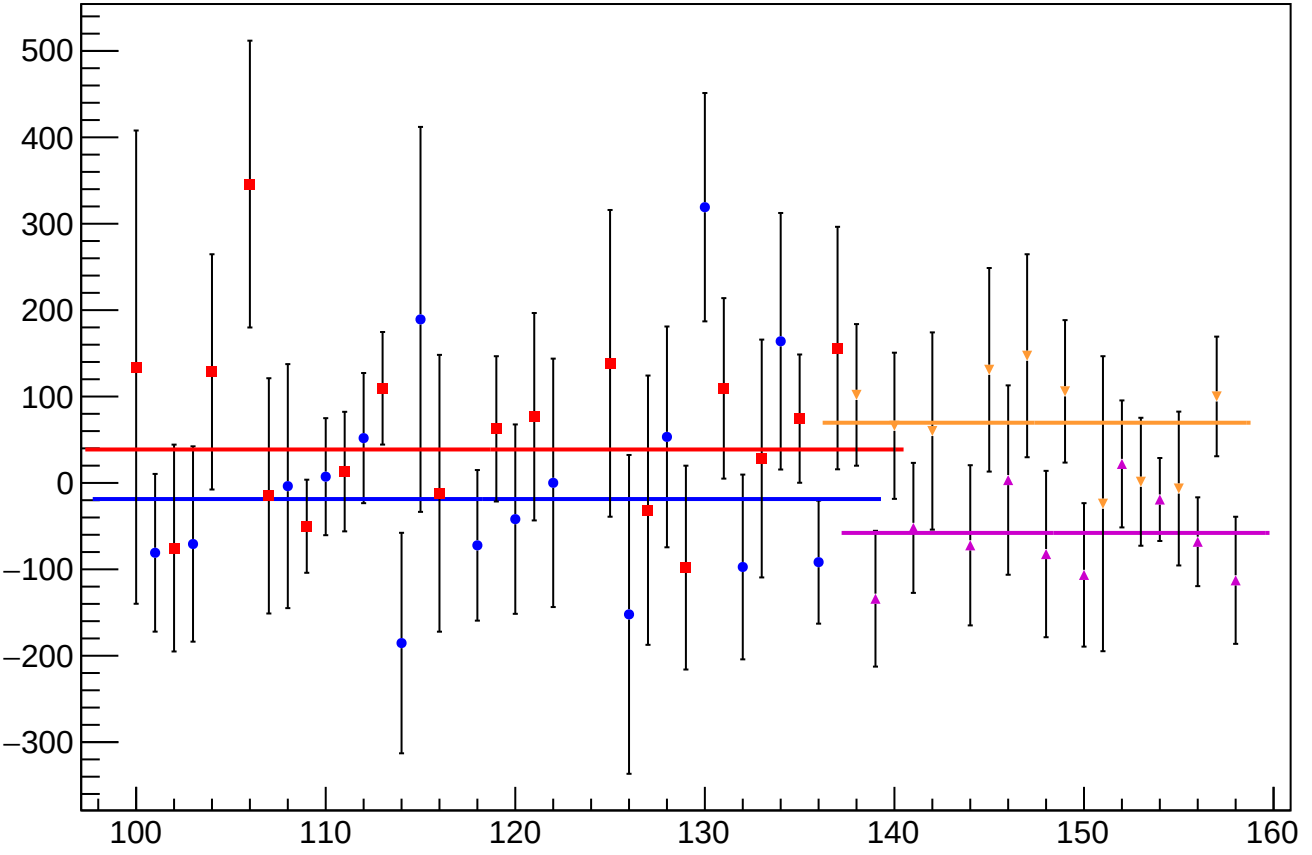
Left In: 177.452+/-0.046 χ^2/NDF:1396092.4/9

+ sign 208.870+/-0.040 χ^2/NDF: 2048964.6/25

All: 188.416+/-0.026 χ^2/NDF: 5491948.5/53

- sign 174.205+/-0.033 χ^2/NDF: 3000279.3/27

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 69.686+/-28.767 χ^2/NDF:3.1/9

Right Out: 38.716+/-23.652 χ^2/NDF: 12.6/17

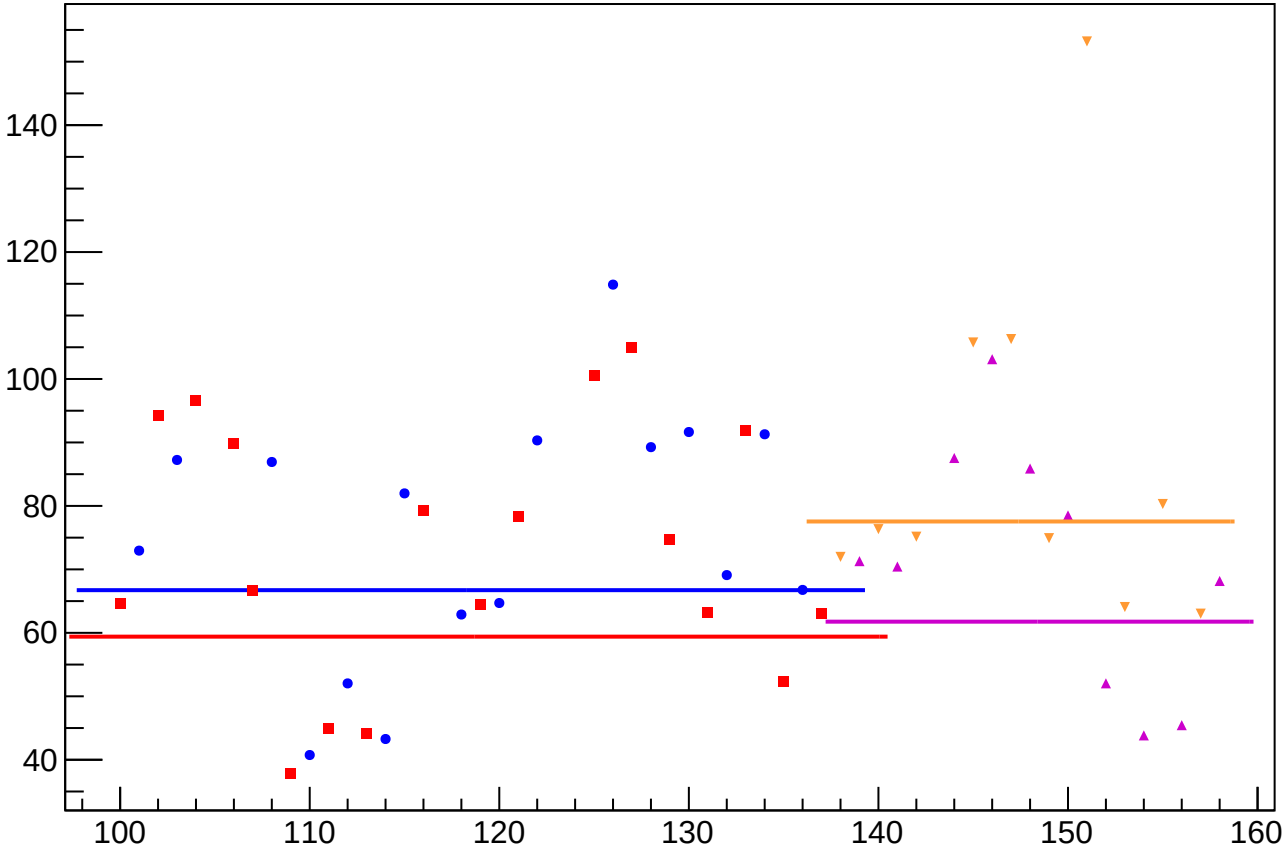
Left In: -57.850+/-22.513 χ^2/NDF:4.1/9

\+ sign 21.275+/-19.339 χ^2/NDF: 23.5/25

All: 1.857+/-12.466 χ^2/NDF: 50.7/53

\- sign -11.949+/-16.307 χ^2/NDF: 25.5/27

asym_bcm_2an_us_an_ds_dd_rms vs Slug



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 77.547+/-0.020 χ^2/NDF:795694.1/9

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

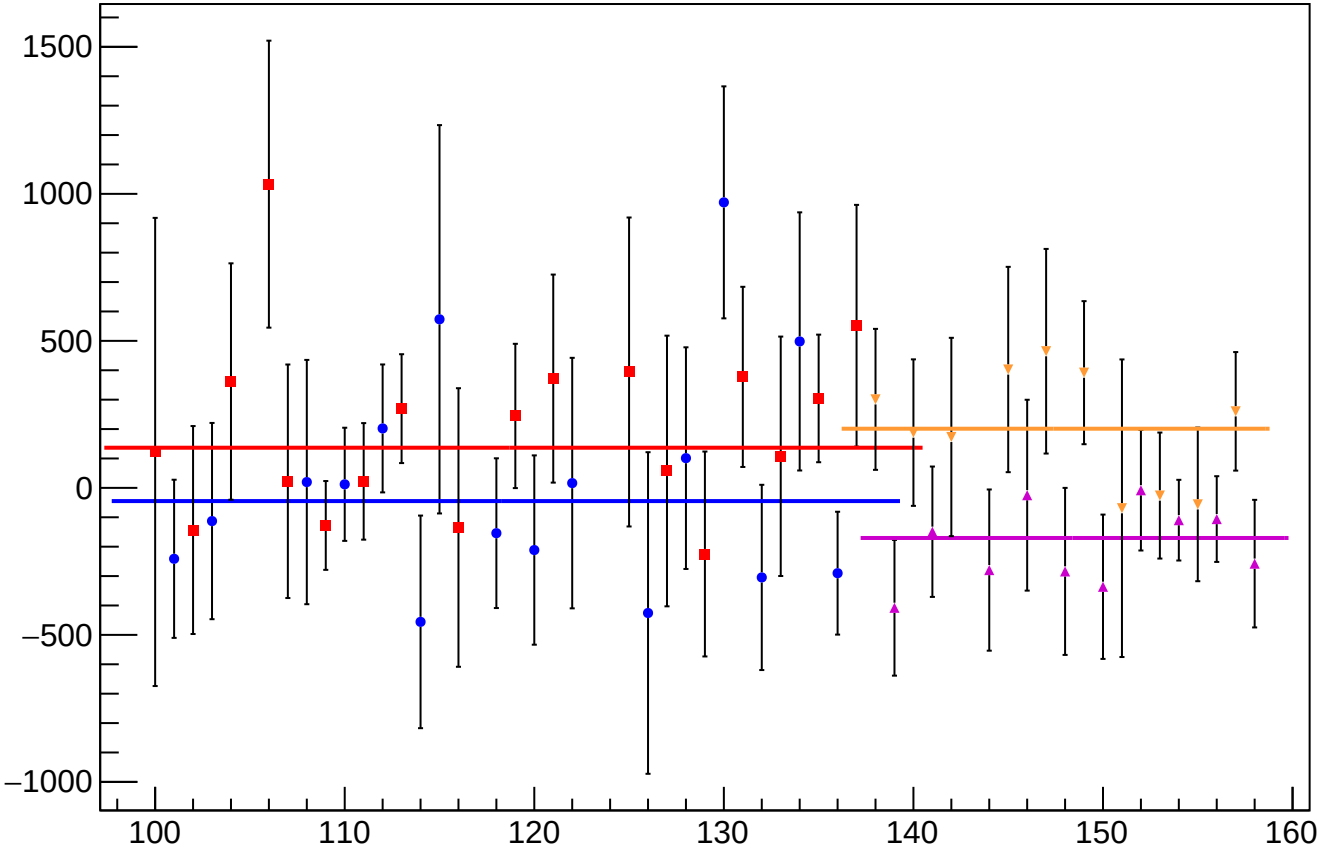
Left In: 61.760+/-0.016 χ^2/NDF:1232513.7/9

+ sign 71.615+/-0.014 χ^2/NDF: 1897877.6/25

All: 65.200+/-0.009 χ^2/NDF: 4962789.1/53

- sign 60.639+/-0.012 χ^2/NDF: 2688331.9/27

asym_bcm_an_us_an_ds_avg_mean vs Slug



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 201.229+/-84.341 χ^2/NDF:4.2/9

Right Out: 136.579+/-68.322 χ^2/NDF: 12.9/17

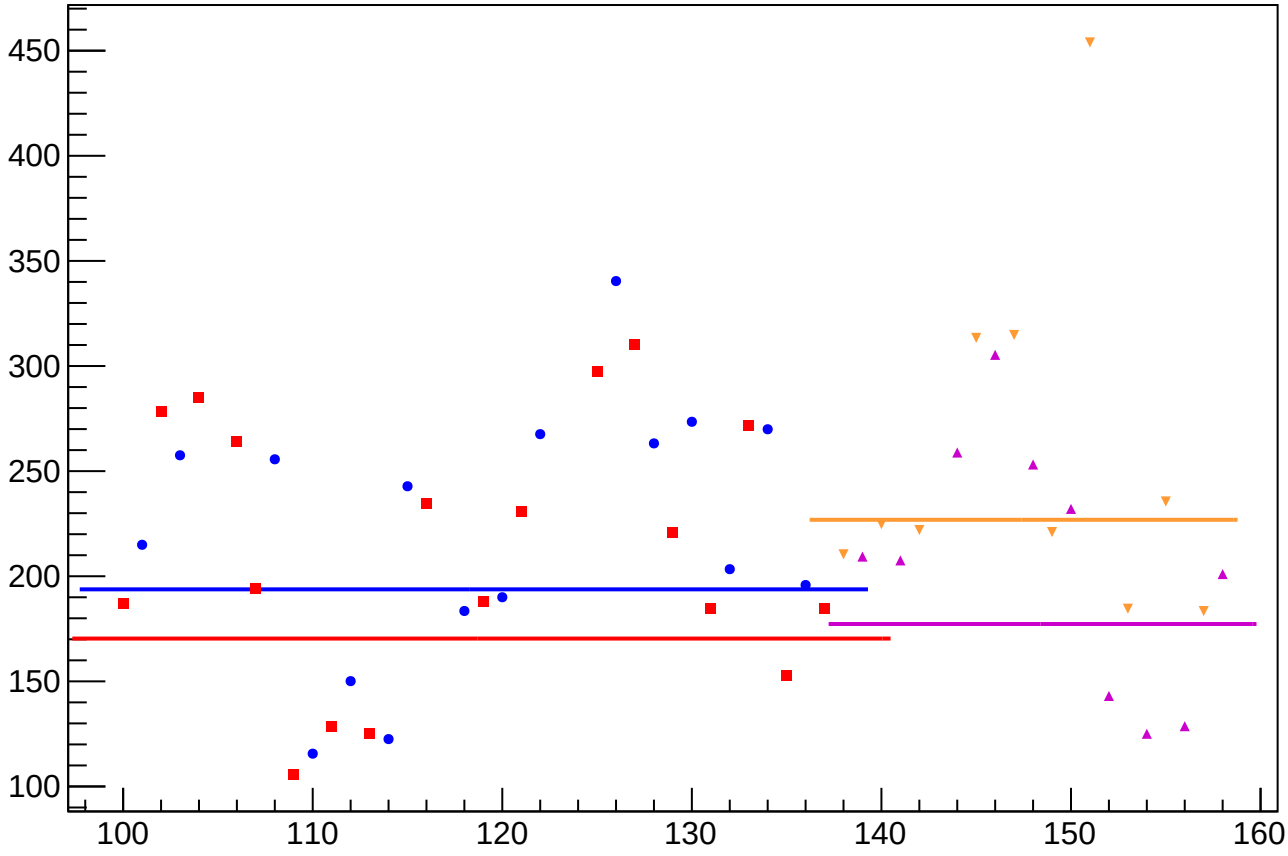
Left In: -170.425+/-65.080 χ^2/NDF:3.2/9

+ sign 65.704+/-56.540 χ^2/NDF: 24.3/25

All: 12.545+/-36.199 χ^2/NDF: 52.5/53

- sign -24.380+/-47.123 χ^2/NDF: 26.7/27

asym_bcm_an_us_an_ds_avg_rms vs Slug



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 226.857+/-0.060 χ^2/NDF:837178.8/9

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

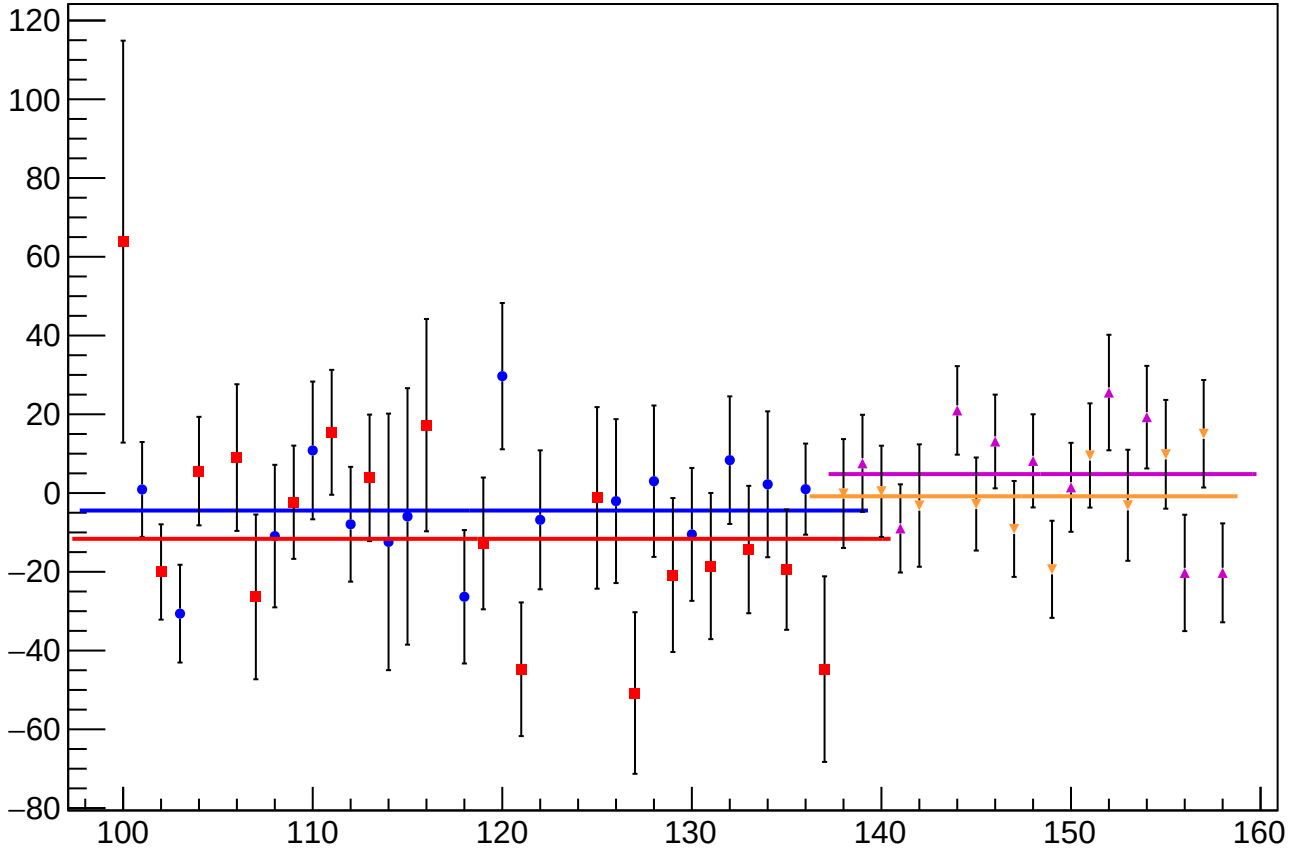
Left In: 177.281+/-0.046 χ^2/NDF:1397891.8/9

+ sign 208.638+/-0.040 χ^2/NDF: 2054771.0/25

All: 188.191+/-0.026 χ^2/NDF: 5505729.1/53

- sign 173.987+/-0.033 χ^2/NDF: 3007683.8/27

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: -0.819+/-4.128 χ^2/NDF:5.4/9

Right Out: -11.627+/-4.137 χ^2/NDF: 21.6/17

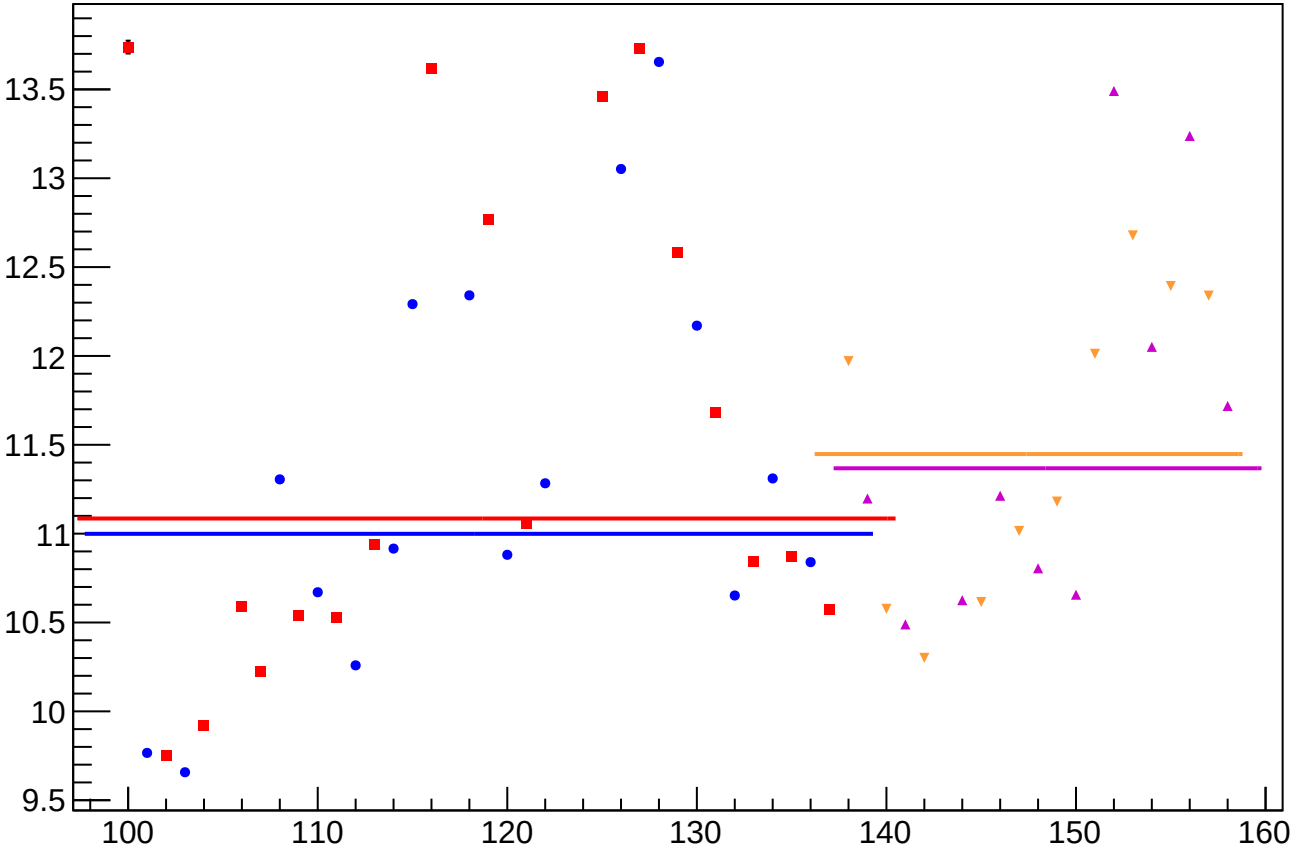
Left In: 4.811+/-3.893 χ^2/NDF:14.4/9

\+ sign -2.628+/-2.920 χ^2/NDF: 17.7/25

All: -2.773+/-2.034 χ^2/NDF: 62.1/53

\- sign -2.910+/-2.835 χ^2/NDF: 44.4/27

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.448+/-0.003 χ^2/NDF:75257.1/9

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

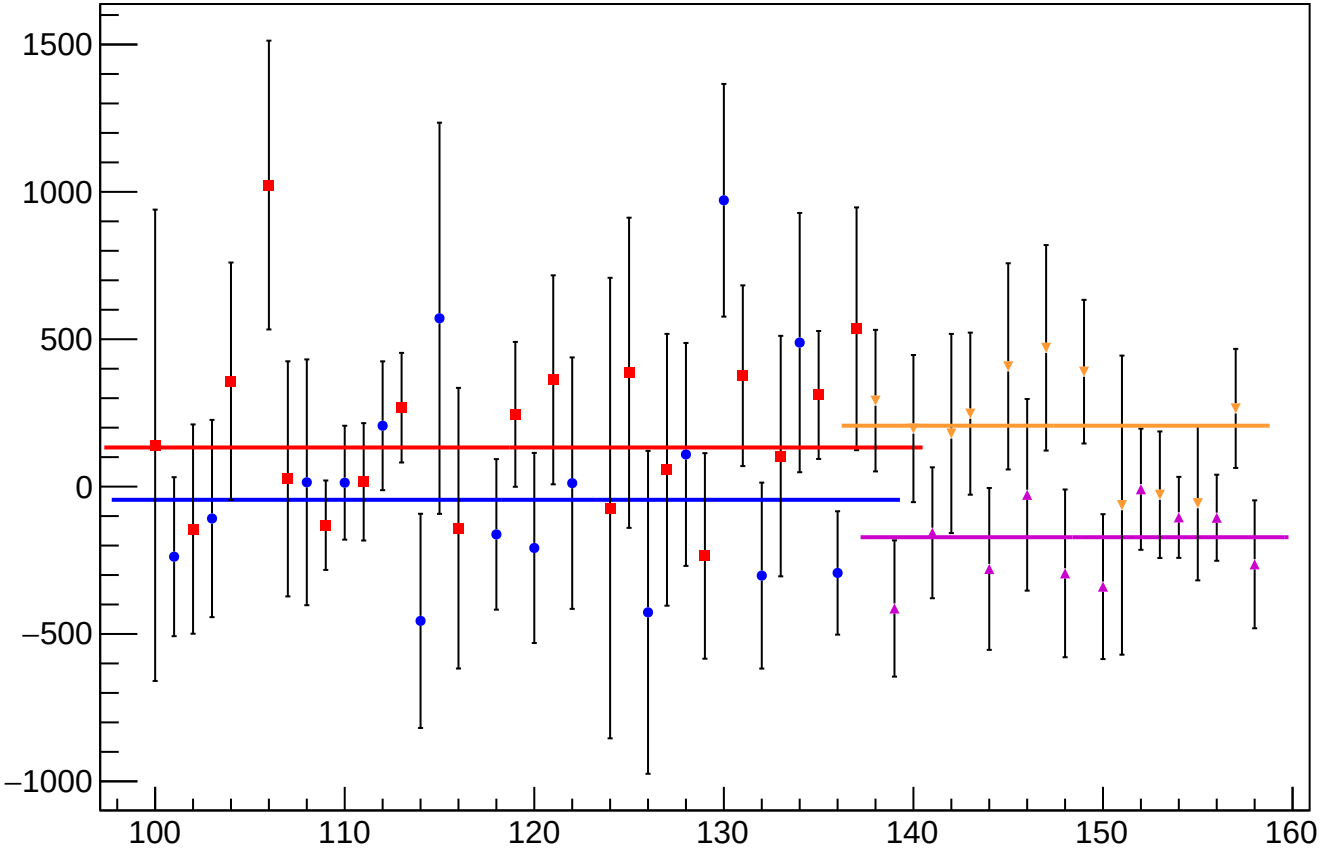
Left In: 11.368+/-0.003 χ^2/NDF:115225.7/9

+ sign 11.224+/-0.002 χ^2/NDF: 223227.9/25

All: 11.230+/-0.001 χ^2/NDF: 505621.7/53

- sign 11.235+/-0.002 χ^2/NDF: 282377.7/27

asym_bcm_an_us_an_ds3_avg_mean vs Slug



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 206.699+/-80.767 χ^2/NDF:4.2/10

Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

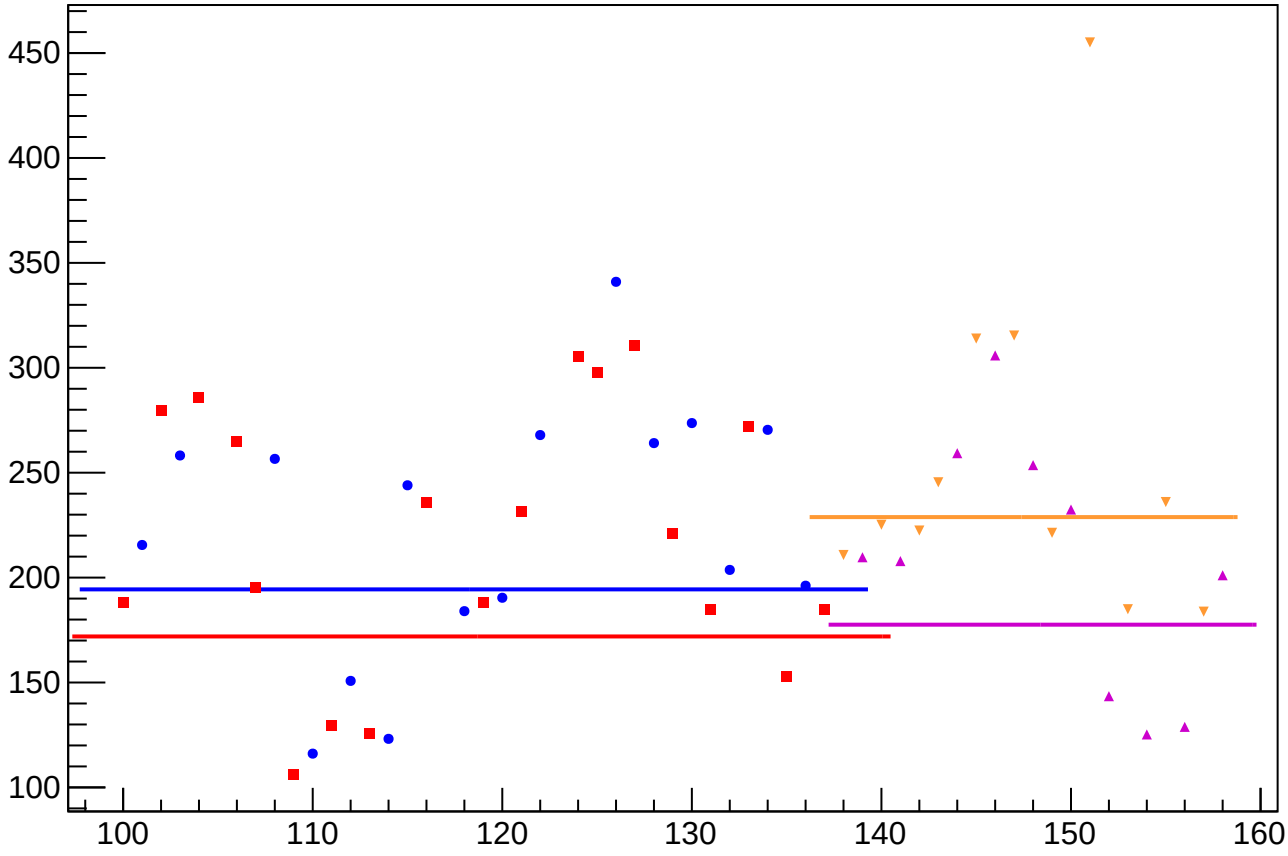
Left In: -171.733+/-65.183 χ^2/NDF:3.4/9

+ sign 74.007+/-55.512 χ^2/NDF: 24.7/26

All: 15.594+/-35.934 χ^2/NDF: 53.2/55

- sign -26.538+/-47.145 χ^2/NDF: 26.6/28

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 228.835+/-0.057 χ^2/NDF:845553.4/10

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

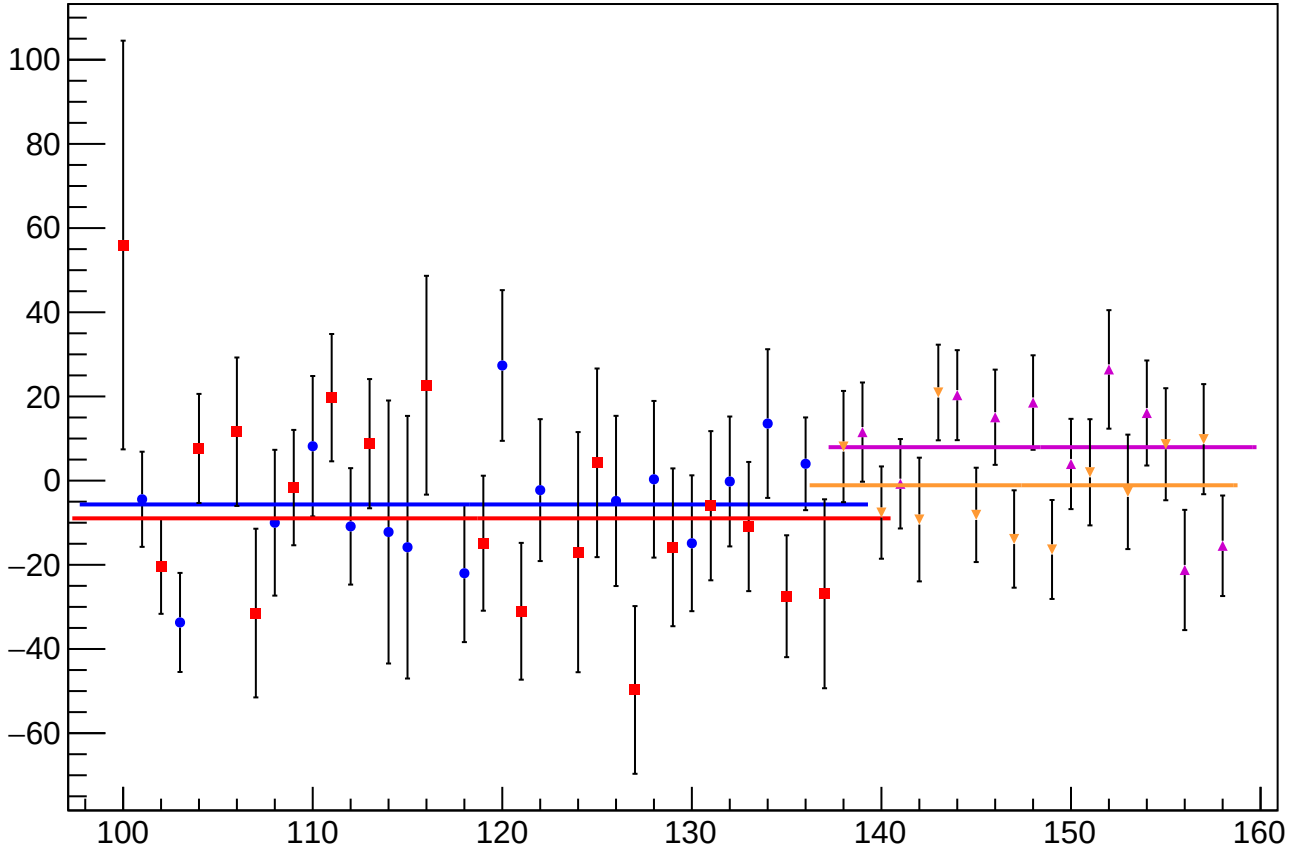
Left In: 177.560+/-0.046 χ^2/NDF:1397875.2/9

+ sign 210.659+/-0.039 χ^2/NDF: 2079553.5/26

All: 189.875+/-0.025 χ^2/NDF: 5618414.5/55

- sign 174.884+/-0.033 χ^2/NDF: 3056285.9/28

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: -1.103+/-3.720 χ^2/NDF:9.5/10

Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

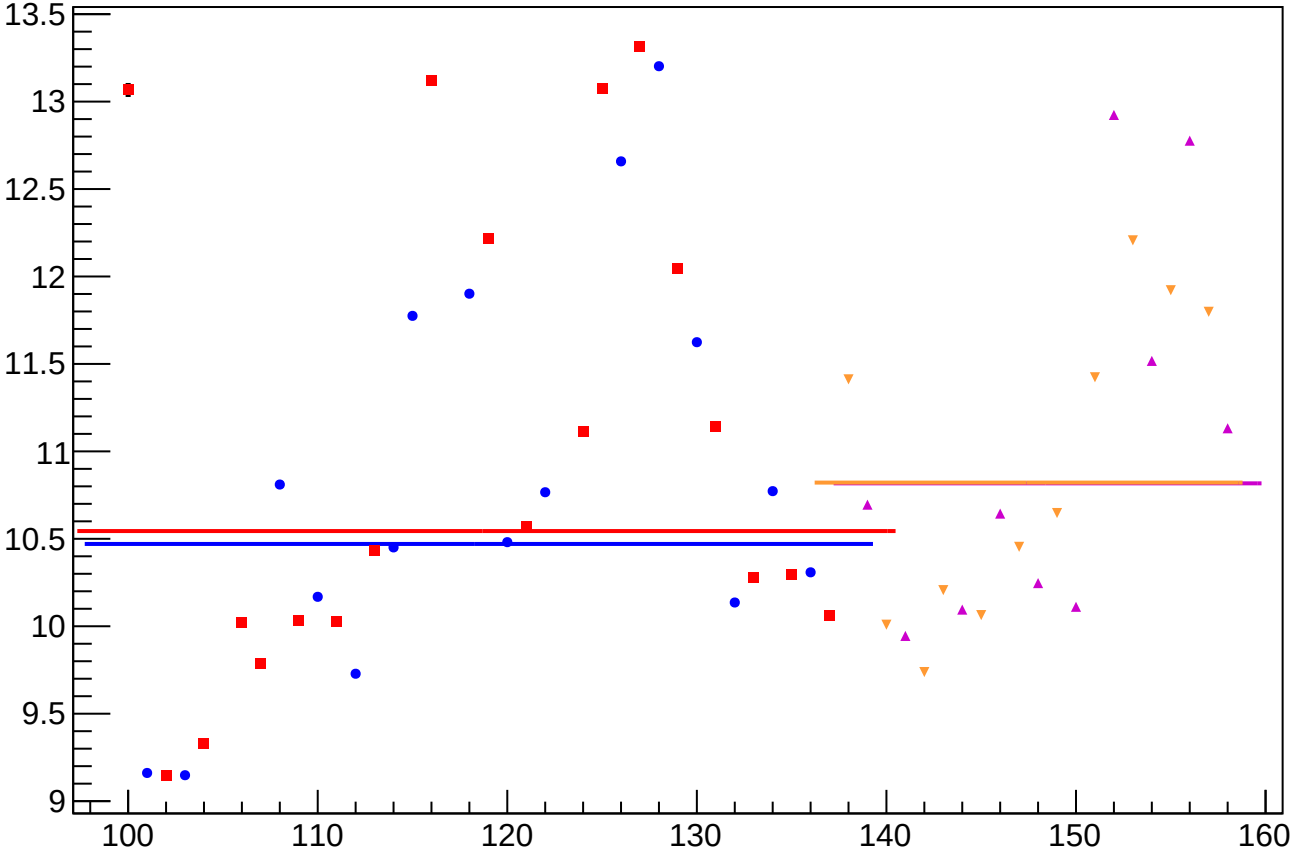
Left In: 7.948+/-3.711 χ^2/NDF:13.7/9

+ sign -3.250+/-2.705 χ^2/NDF: 23.9/26

All: -1.657+/-1.907 χ^2/NDF: 70.9/55

- sign -0.083+/-2.689 χ^2/NDF: 46.3/28

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.822+/-0.003 χ^2/NDF:93418.8/10

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

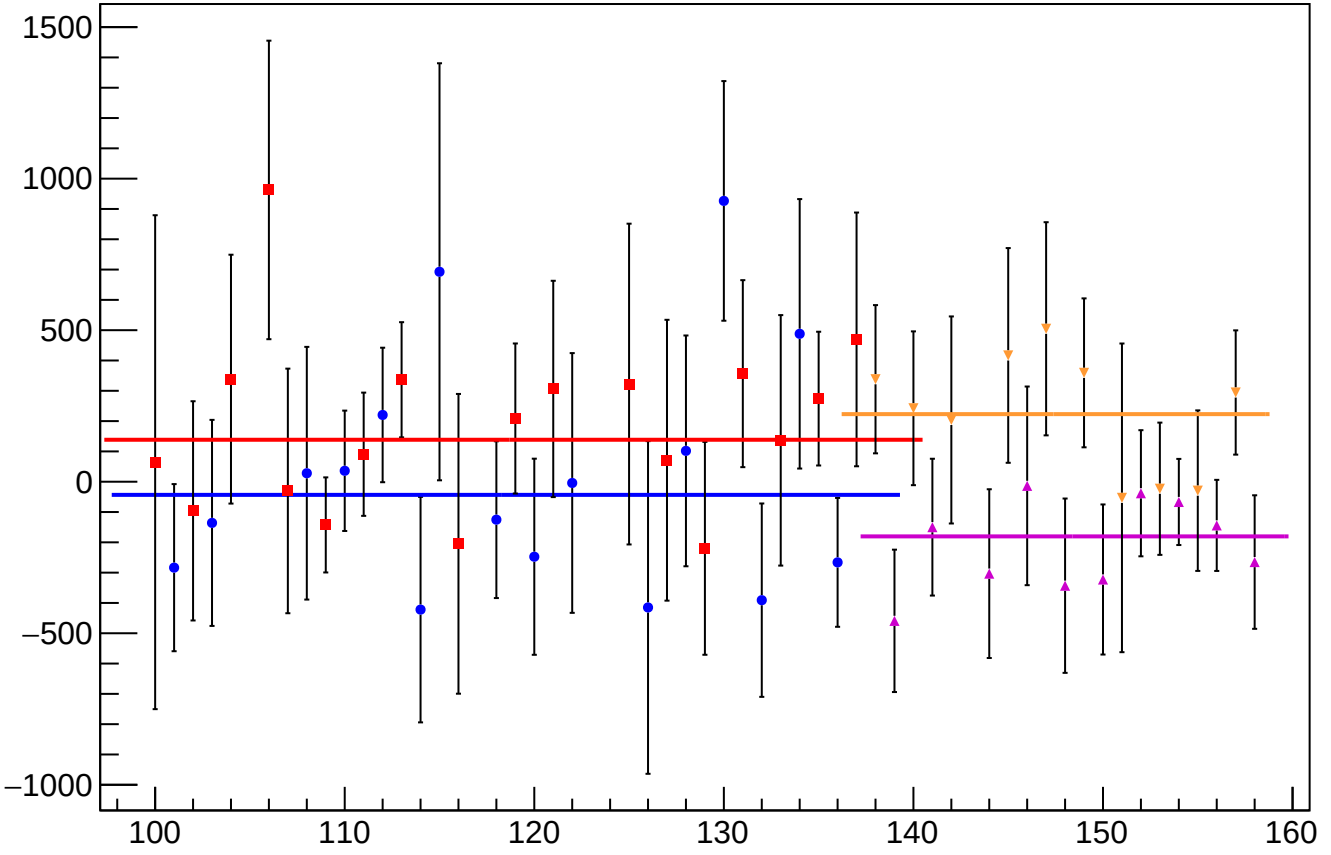
Left In: 10.817+/-0.003 χ^2/NDF:127208.4/9

+ sign 10.656+/-0.002 χ^2/NDF: 259174.8/26

All: 10.672+/-0.001 χ^2/NDF: 578434.7/55

- sign 10.688+/-0.002 χ^2/NDF: 319123.7/28

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 223.016+/-85.641 χ^2/NDF:4.1/9

Right Out: 138.455+/-69.833 χ^2/NDF: 11.5/17

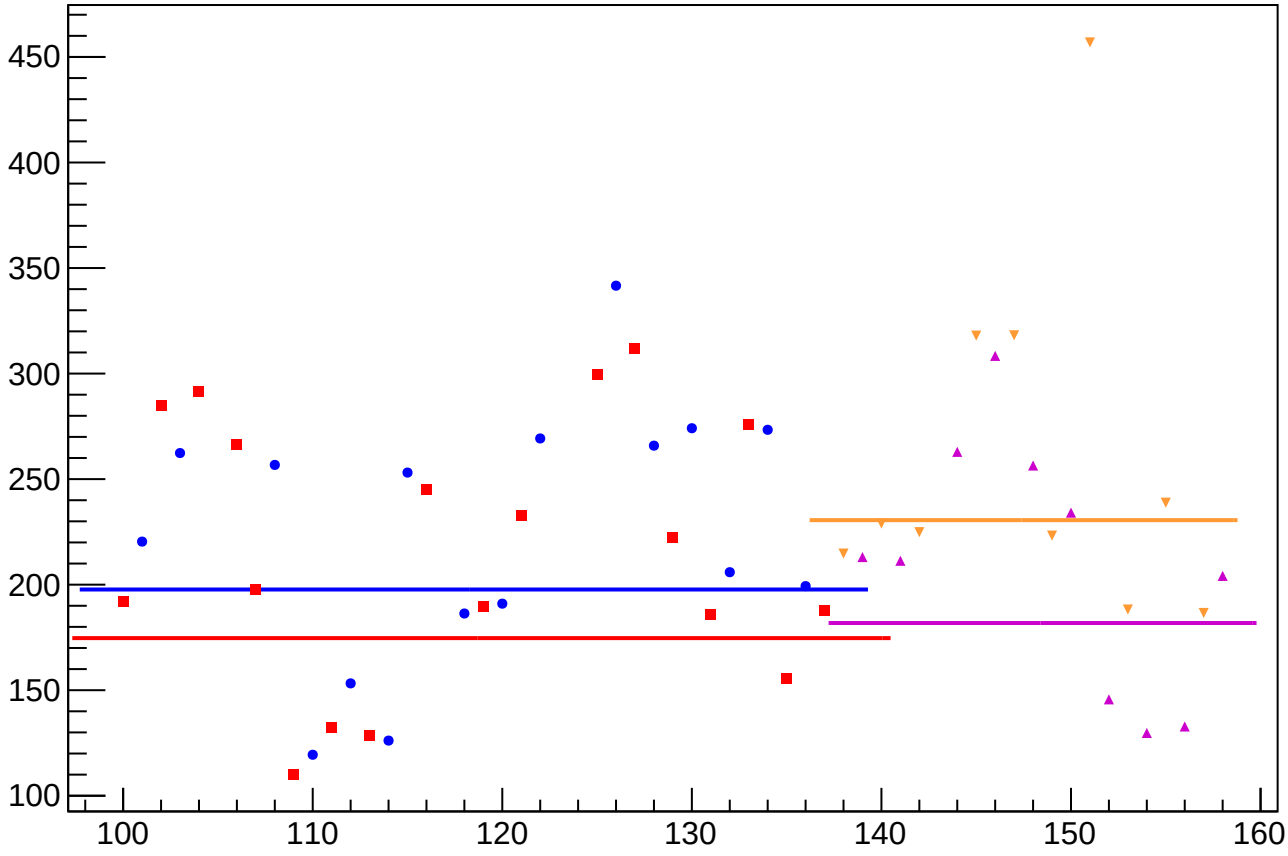
Left In: -180.387+/-66.540 χ^2/NDF:3.8/9

+ sign 76.698+/-57.498 χ^2/NDF: 24.8/25

All: 14.792+/-36.926 χ^2/NDF: 53.0/53

- sign -28.661+/-48.173 χ^2/NDF: 26.2/27

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 230.559+/-0.061 χ^2/NDF:820910.5/9

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

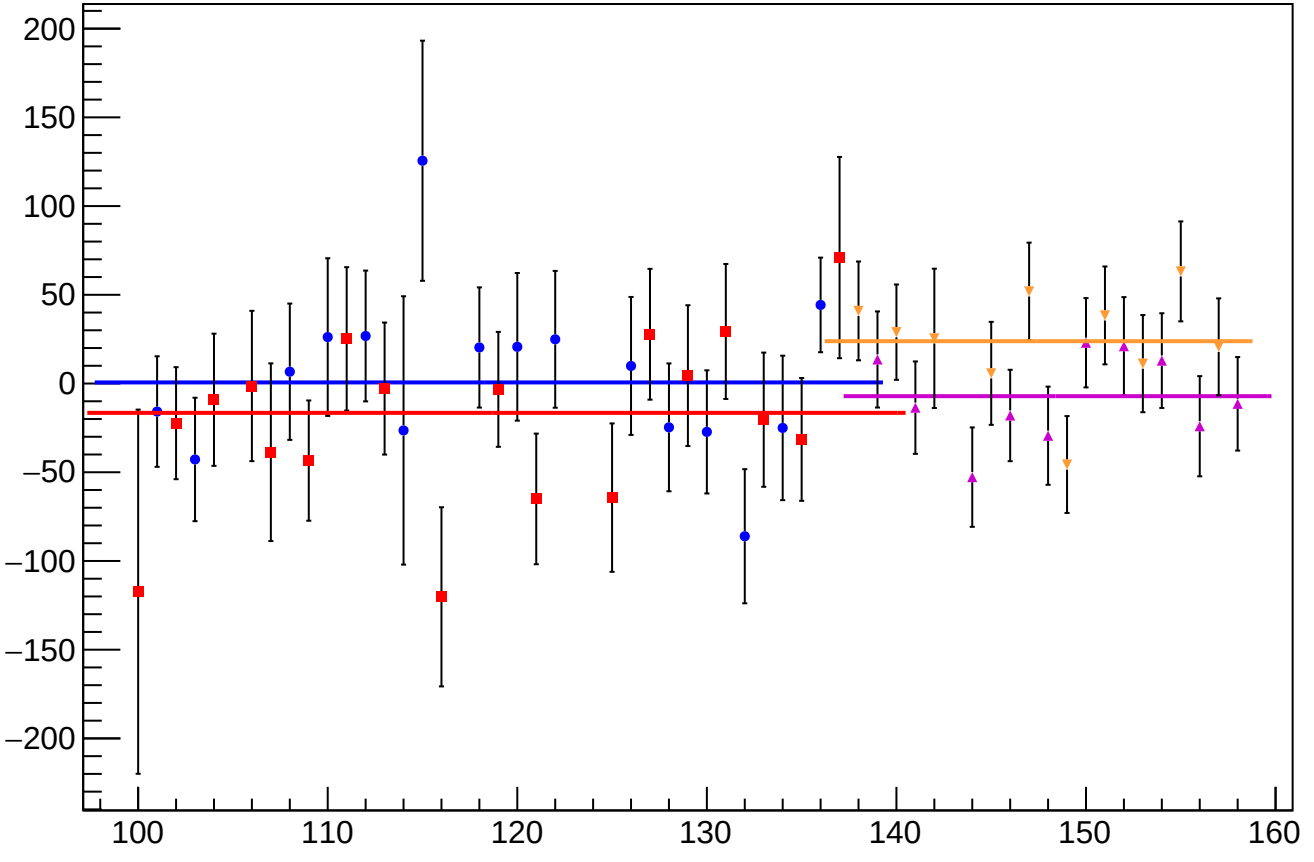
Left In: 181.829+/-0.047 χ^2/NDF:1323666.0/9

+ sign 212.515+/-0.041 χ^2/NDF: 1982873.5/25

All: 192.486+/-0.026 χ^2/NDF: 5265328.3/53

- sign 178.427+/-0.034 χ^2/NDF: 2869407.4/27

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 23.856+/-8.970 χ^2/NDF:10.8/9

Right Out: -16.534+/-9.307 χ^2/NDF: 16.4/17

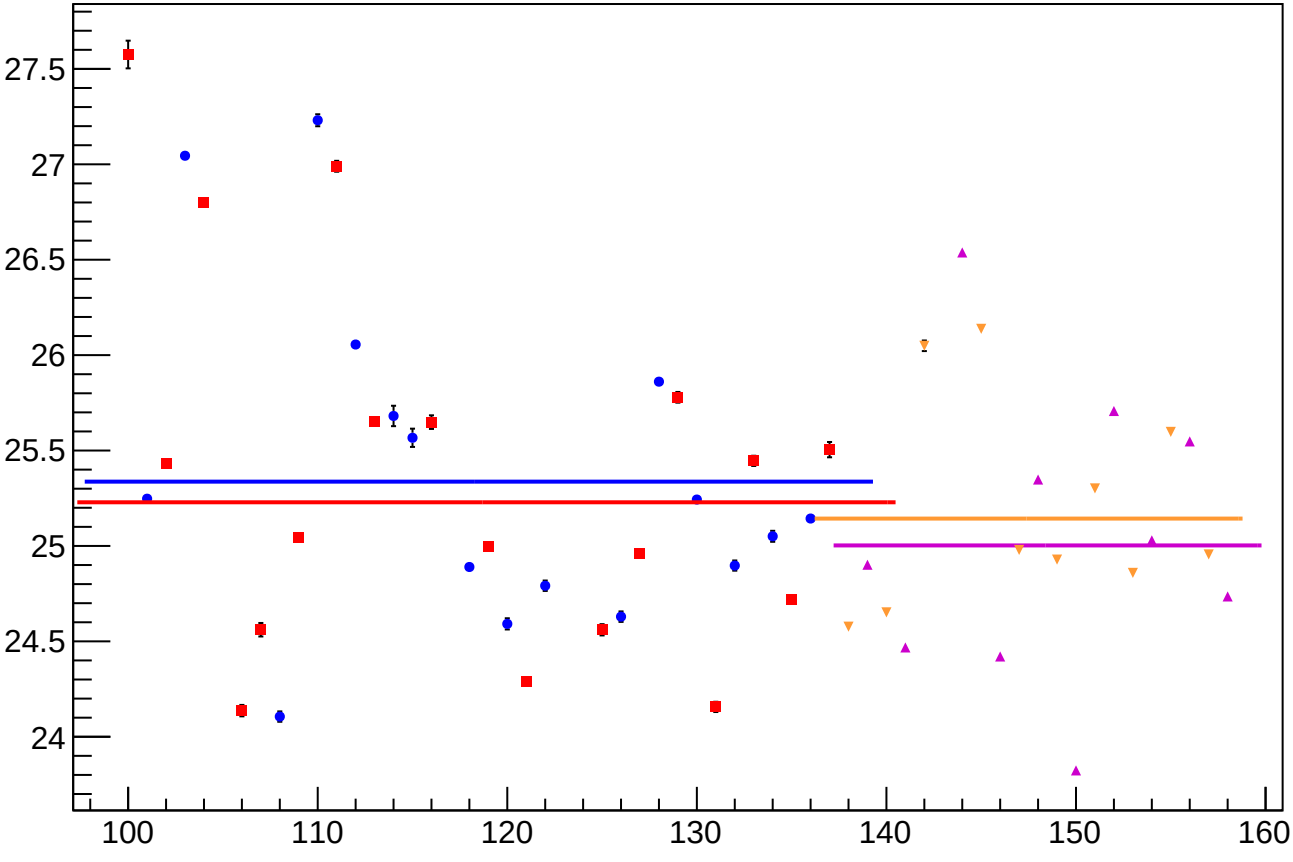
Left In: -7.128+/-8.478 χ^2/NDF:7.5/9

+ sign 12.807+/-6.497 χ^2/NDF: 30.7/25

All: 0.272+/-4.511 χ^2/NDF: 62.4/53

- sign -11.394+/-6.267 χ^2/NDF: 24.5/27

asym_bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.143+/-0.006 χ^2/NDF:6001.6/9

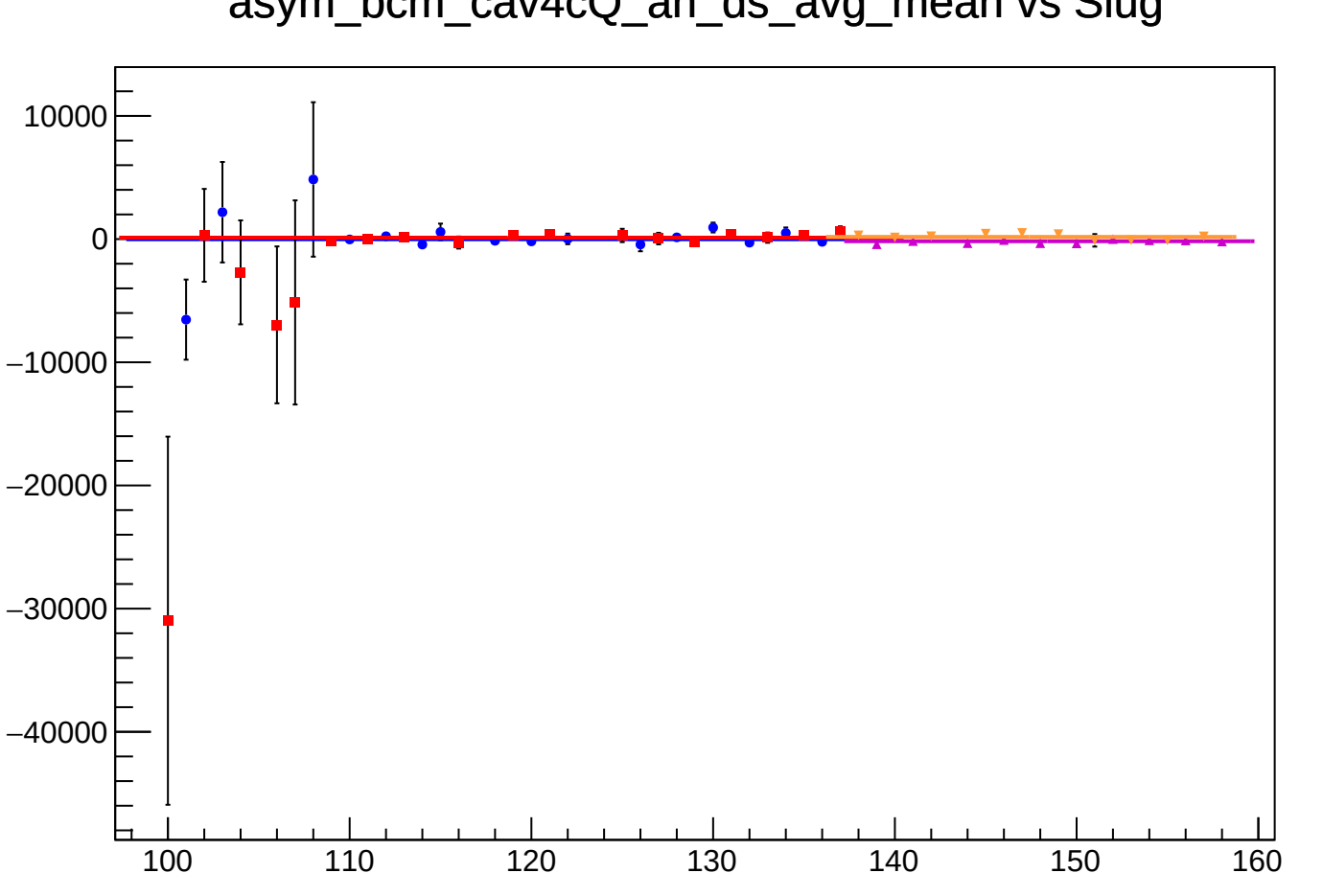
Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

Left In: 25.003+/-0.006 χ^2/NDF:14855.9/9

+ sign 25.235+/-0.005 χ^2/NDF: 20759.8/25

All: 25.168+/-0.003 χ^2/NDF: 51852.9/53

- sign 25.105+/-0.004 χ^2/NDF: 30676.9/27



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 179.480+/-87.191 χ^2/NDF:5.3/9

Right Out: 119.984+/-78.247 χ^2/NDF: 14.4/17

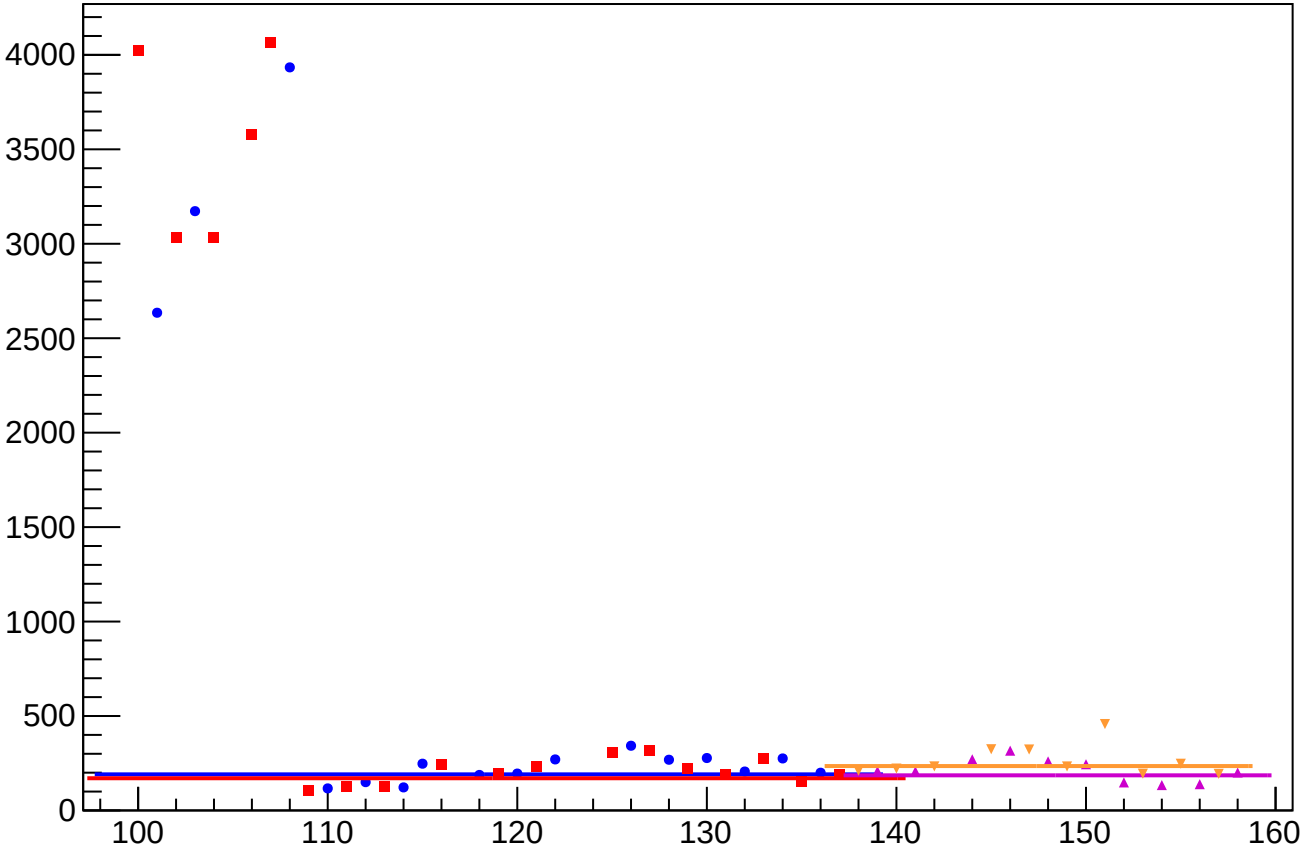
Left In: -172.840+/-67.835 χ^2/NDF:3.4/9

+ sign 80.089+/-60.663 χ^2/NDF: 26.1/25

All: 5.823+/-39.151 χ^2/NDF: 54.5/53

- sign -47.195+/-51.255 χ^2/NDF: 25.8/27

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 235.024+/-0.062 χ^2/NDF:795100.2/9

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

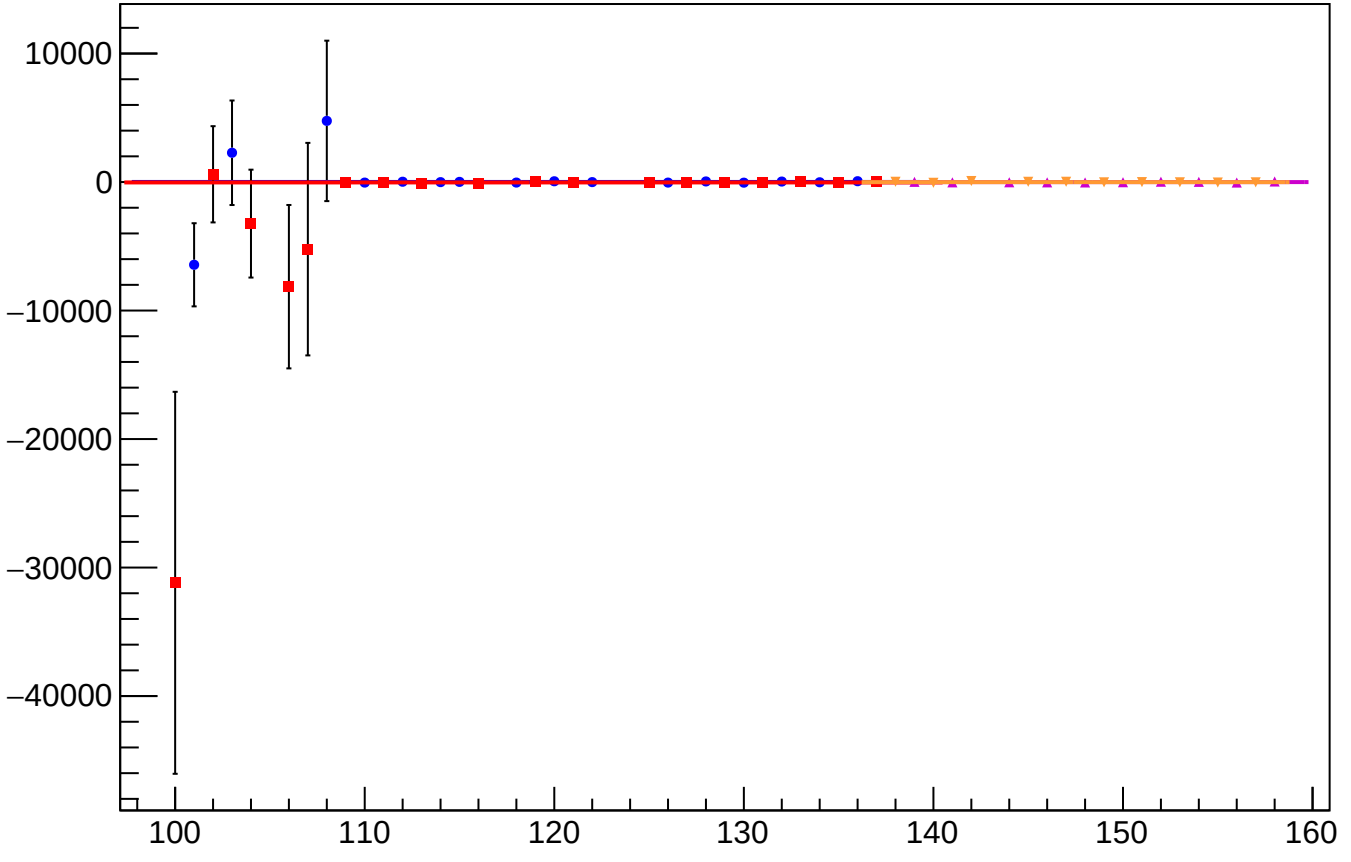
Left In: 185.958+/-0.048 χ^2/NDF:1240257.4/9

+ sign 212.346+/-0.043 χ^2/NDF: 4891281.8/25

All: 193.078+/-0.028 χ^2/NDF: 10776778.9/53

- sign 179.323+/-0.036 χ^2/NDF: 5539677.9/27

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -7.579+/-10.618 χ^2/NDF:9.7/9

Right Out: -30.740+/-12.084 χ^2/NDF: 19.9/17

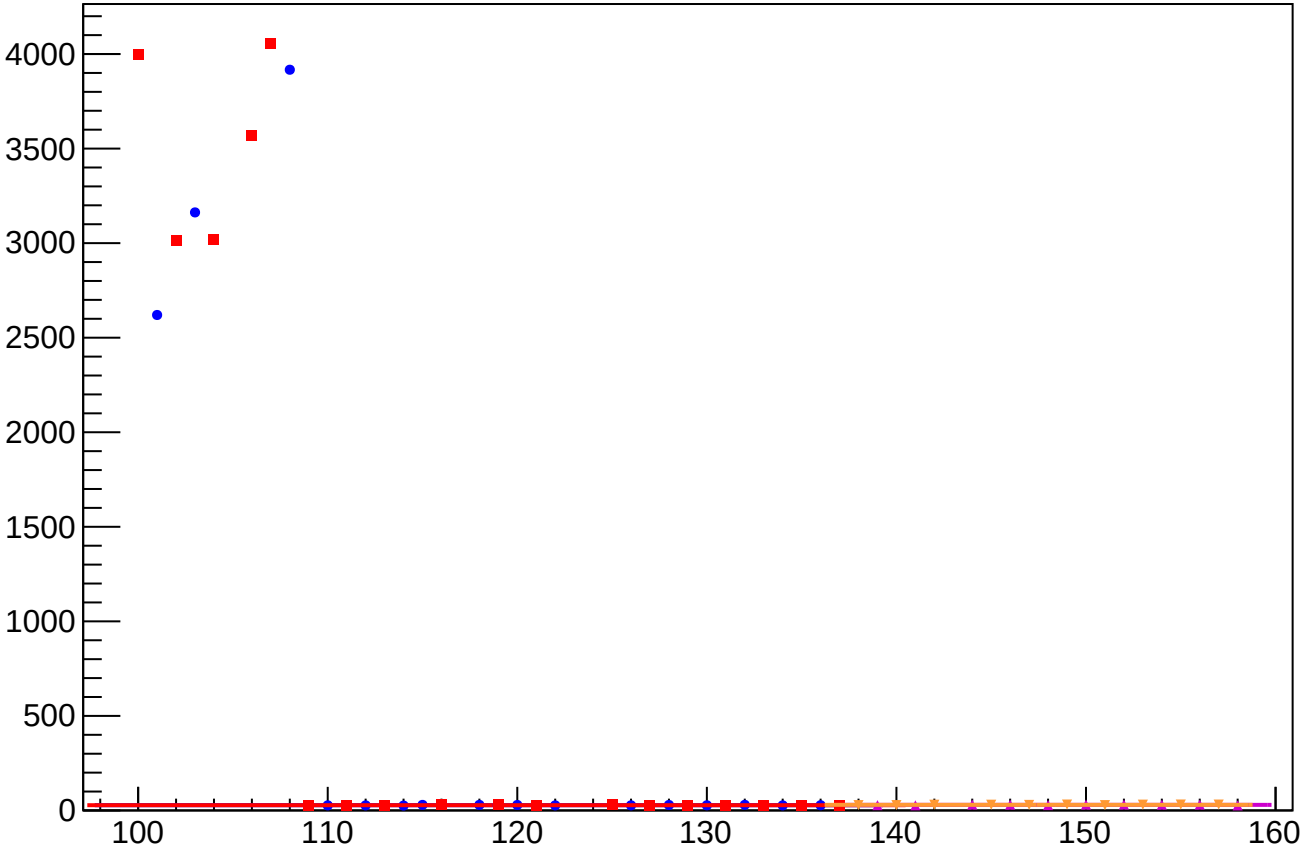
Left In: -3.734+/-10.054 χ^2/NDF:7.1/9

+ sign -1.263+/-7.882 χ^2/NDF: 28.8/25

All: -8.155+/-5.519 χ^2/NDF: 60.3/53

- sign -14.781+/-7.729 χ^2/NDF: 29.9/27

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 29.711+/-0.008 χ^2/NDF:28118.8/9

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

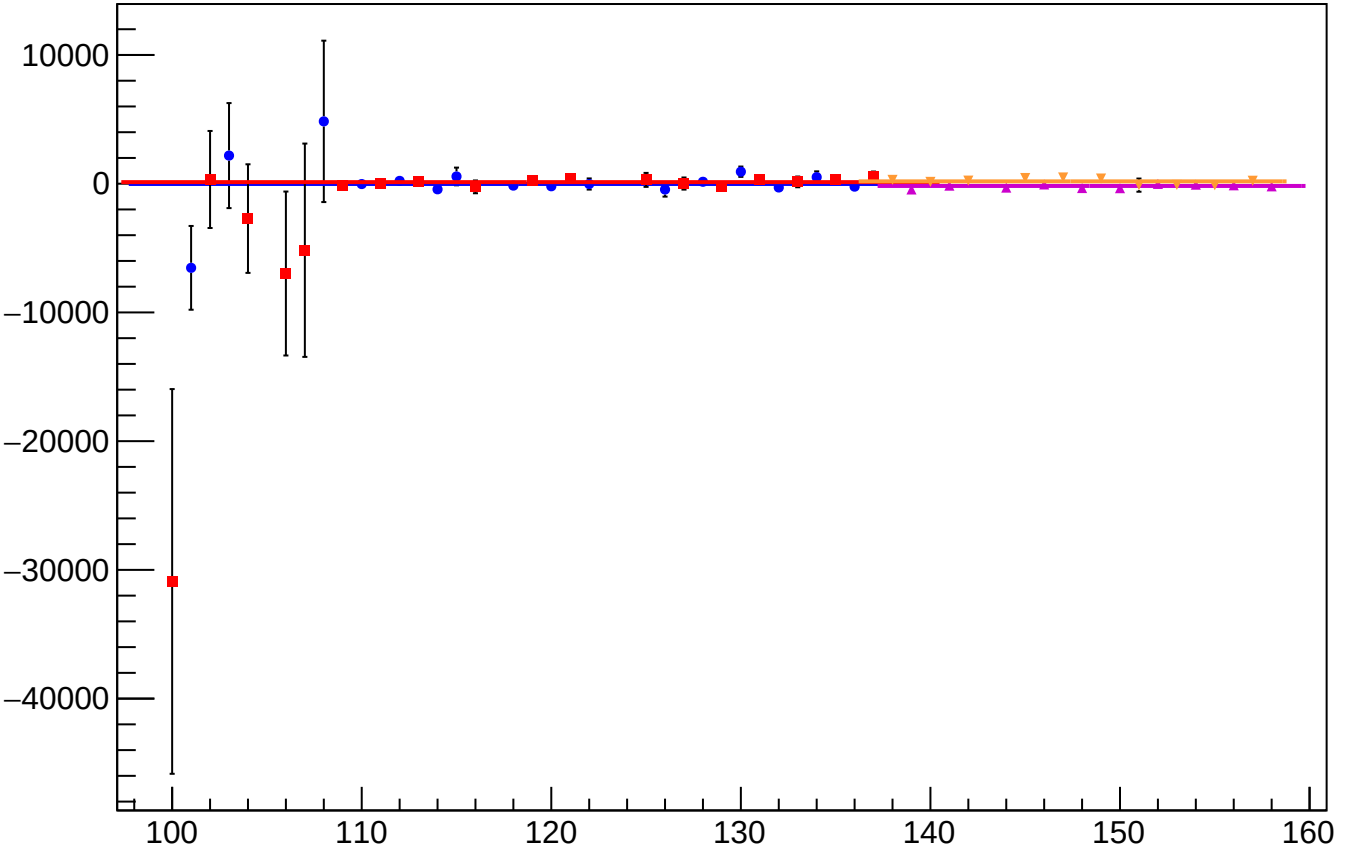
Left In: 29.565+/-0.007 χ^2/NDF:67463.7/9

+ sign 28.864+/-0.006 χ^2/NDF: 3322348.3/25

All: 28.849+/-0.004 χ^2/NDF: 6974078.4/53

- sign 28.834+/-0.005 χ^2/NDF: 3651715.3/27

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 181.203+/-87.761 χ^2/NDF:5.3/9

Right Out: 121.544+/-78.844 χ^2/NDF: 13.2/17

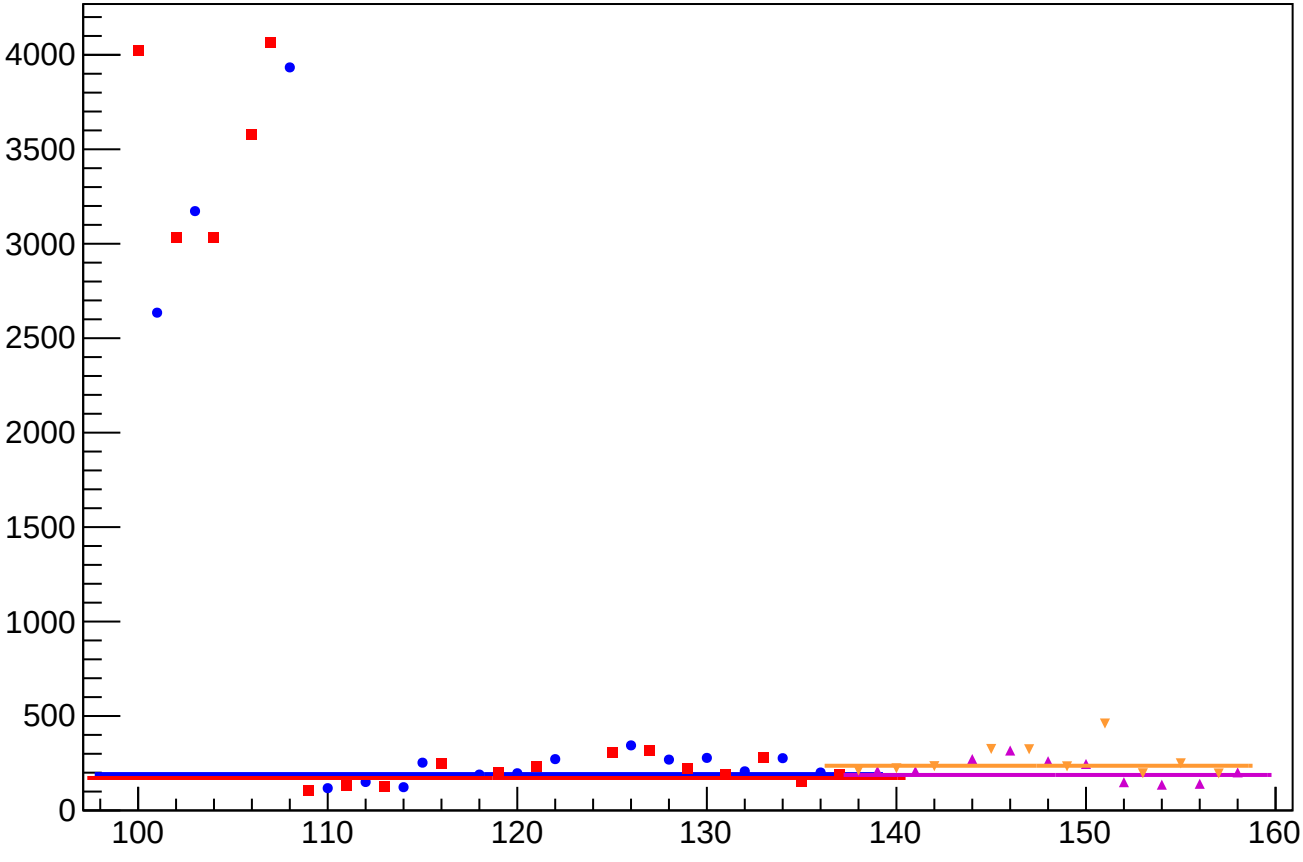
Left In: -175.294+/-68.458 χ^2/NDF:3.6/9

+ sign 77.707+/-61.080 χ^2/NDF: 26.2/25

All: 4.634+/-39.458 χ^2/NDF: 53.5/53

- sign -47.702+/-51.692 χ^2/NDF: 24.9/27

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 236.648+/-0.062 χ^2/NDF:786769.2/9

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

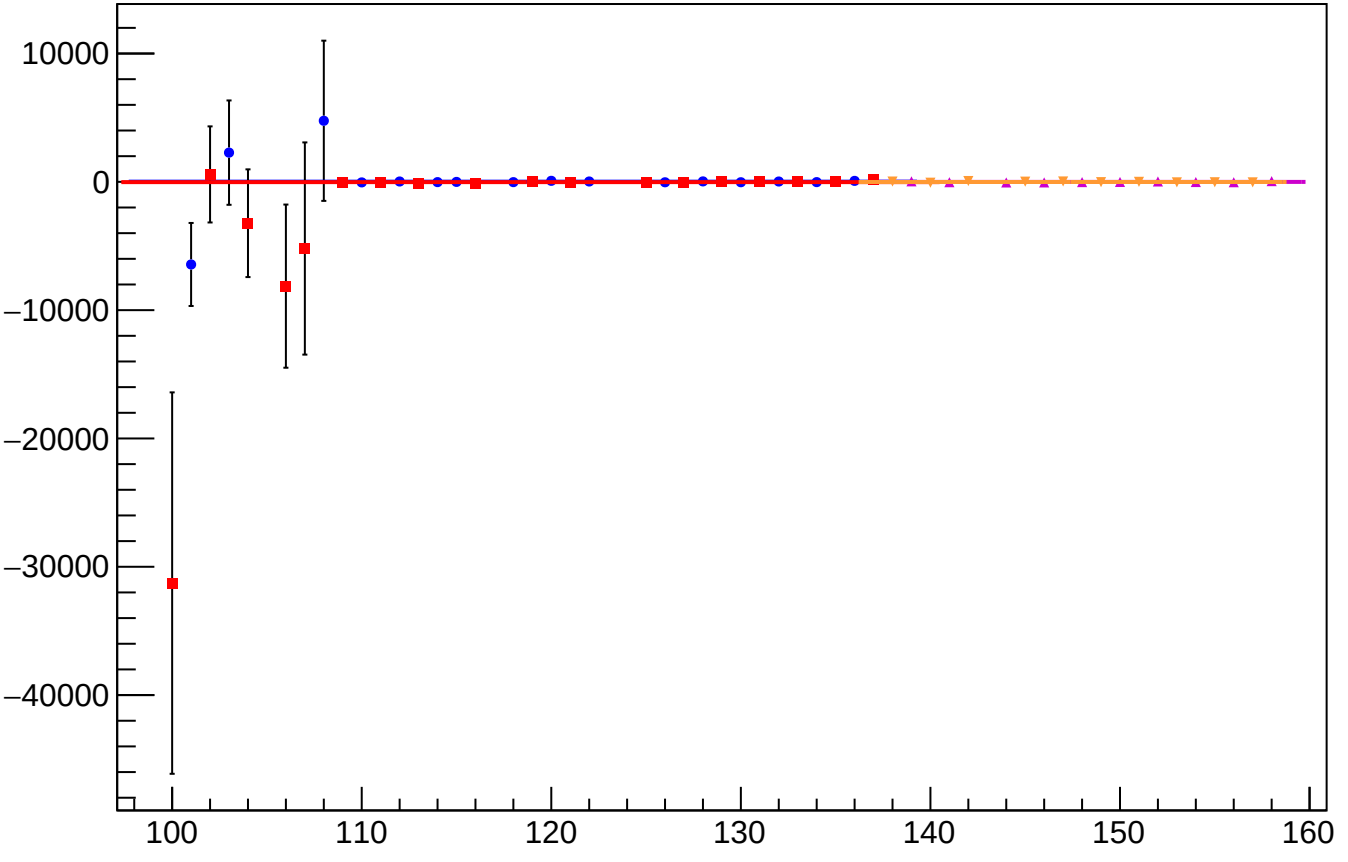
Left In: 187.919+/-0.048 χ^2/NDF:1203681.7/9

+ sign 213.916+/-0.043 χ^2/NDF: 4869803.2/25

All: 194.756+/-0.028 χ^2/NDF: 10706117.2/53

- sign 181.033+/-0.037 χ^2/NDF: 5498562.9/27

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -11.724+/-11.369 χ^2/NDF:9.7/9

Right Out: -21.906+/-13.382 χ^2/NDF: 28.4/17

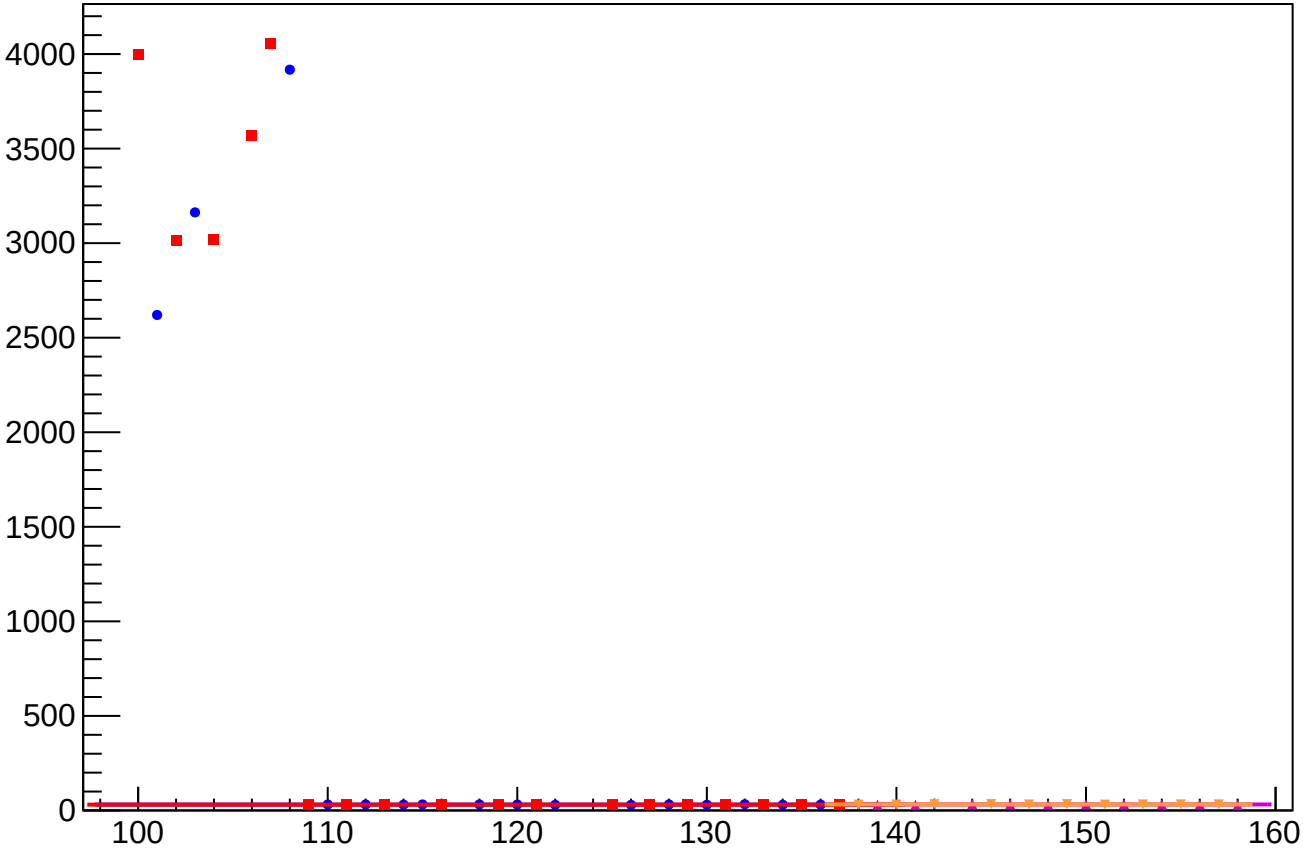
Left In: -4.627+/-10.780 χ^2/NDF:10.6/9

\+ sign -0.760+/-8.576 χ^2/NDF: 27.3/25

All: -6.207+/-5.999 χ^2/NDF: 68.1/53

\- sign -11.427+/-8.395 χ^2/NDF: 40.0/27

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.834+/-0.008 χ^2/NDF:15277.6/9

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

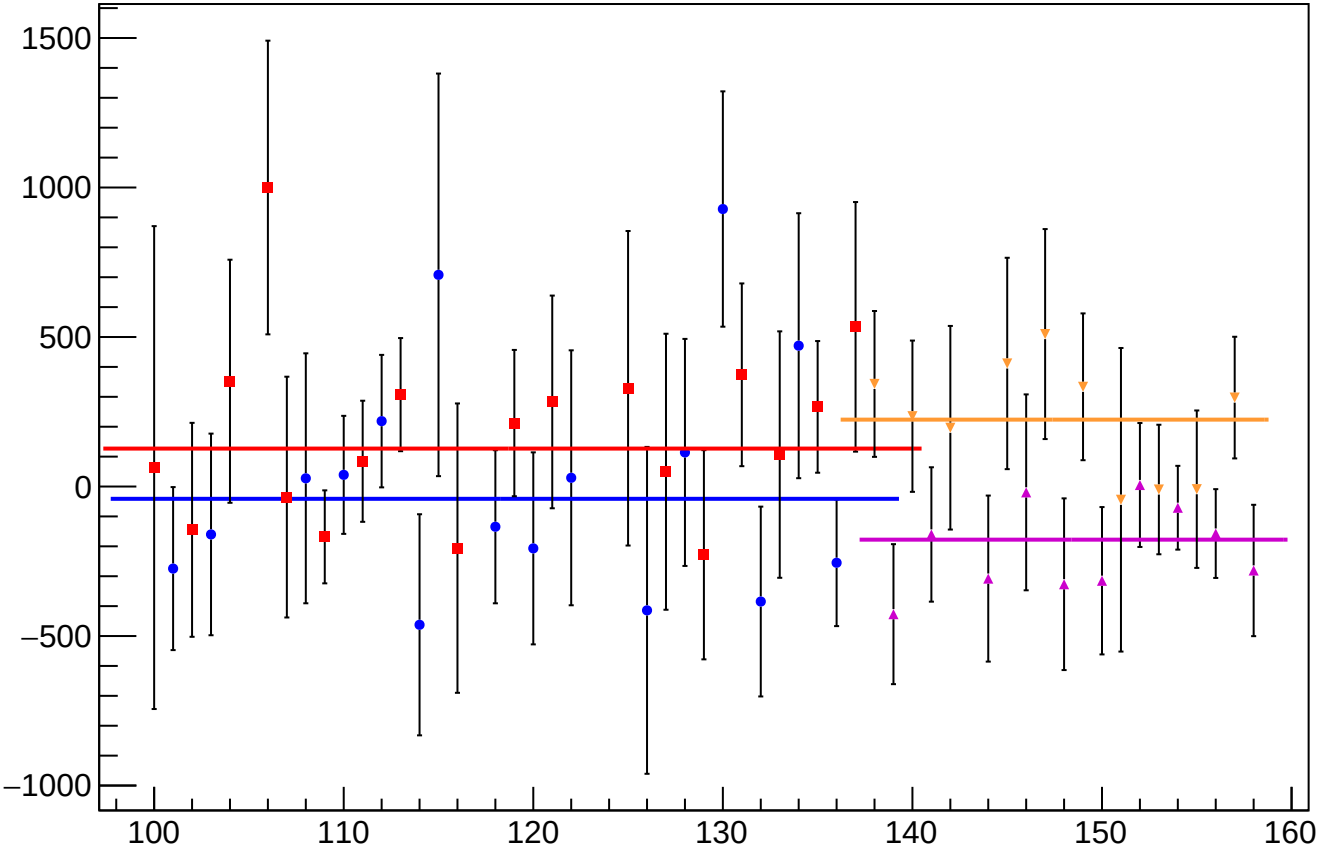
Left In: 31.715+/-0.008 χ^2/NDF:53137.5/9

\+ sign 31.443+/-0.006 χ^2/NDF: 3273350.9/25

All: 31.399+/-0.004 χ^2/NDF: 6868169.5/53

\- sign 31.356+/-0.006 χ^2/NDF: 3594713.2/27

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 223.724+/-85.261 χ^2/NDF:3.7/9

Right Out: 126.896+/-69.382 χ^2/NDF: 12.8/17

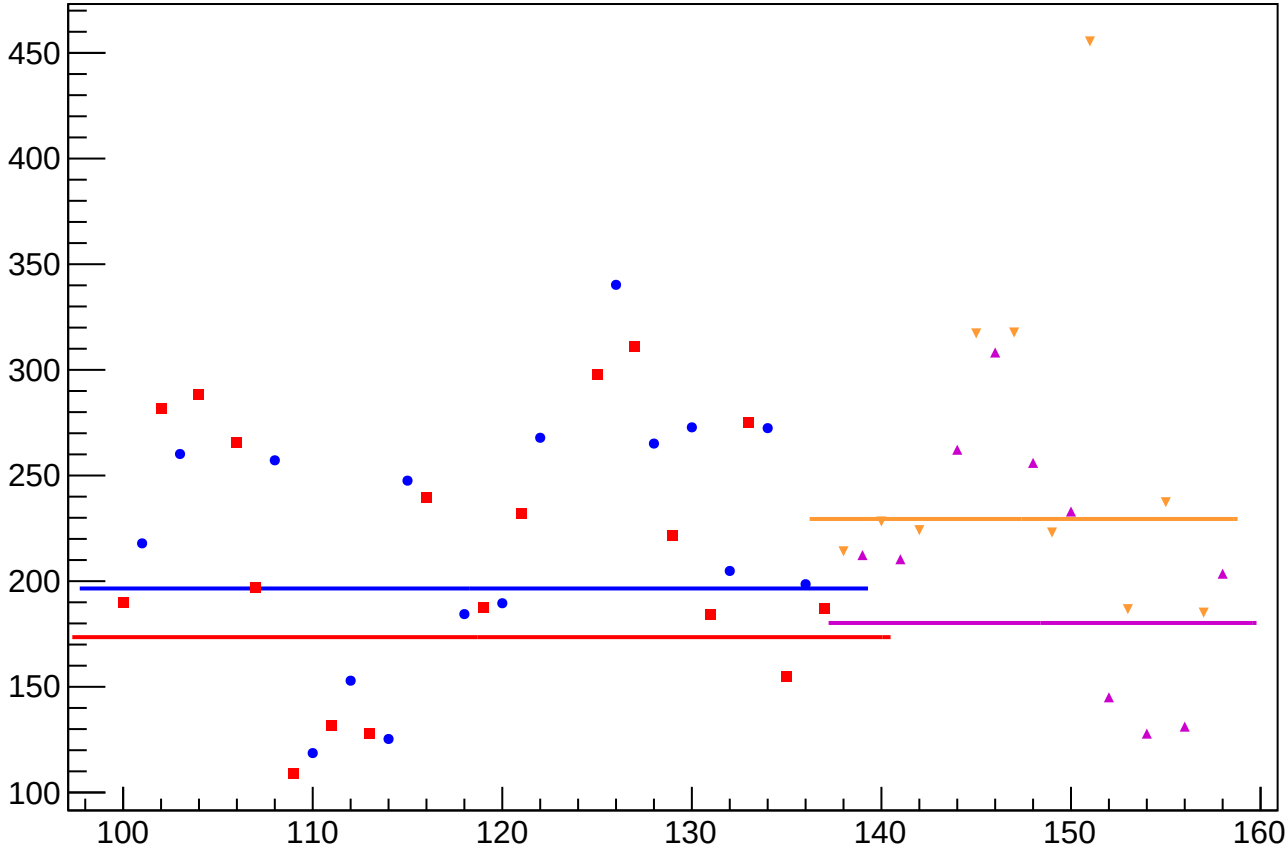
Left In: -177.698+/-66.045 χ^2/NDF:3.8/9

+ sign 78.093+/-57.202 χ^2/NDF: 24.7/25

All: 12.778+/-36.696 χ^2/NDF: 53.5/53

- sign -32.902+/-47.837 χ^2/NDF: 26.7/27

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 229.439+/-0.060 χ^2/NDF:830377.7/9

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

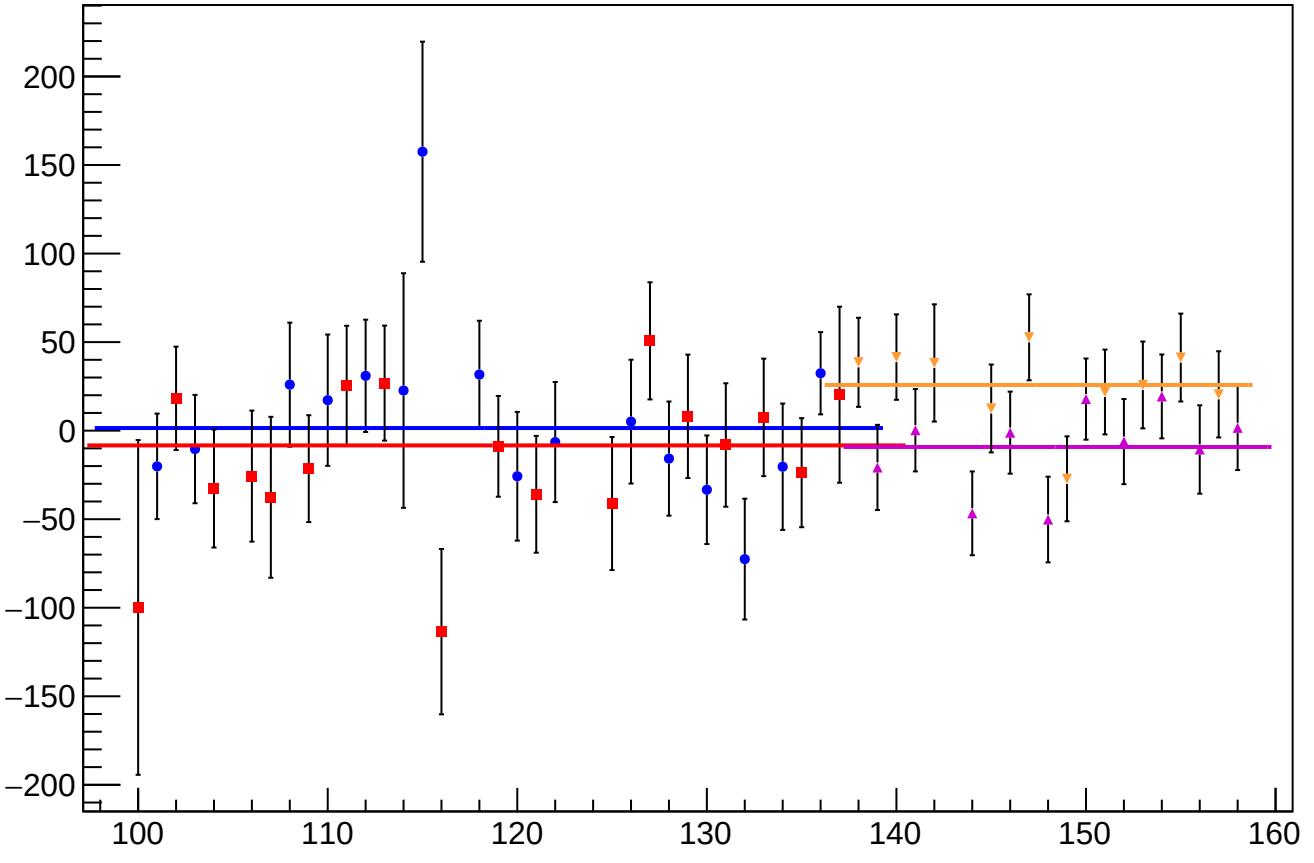
Left In: 180.222+/-0.047 χ^2/NDF:1362091.9/9

+ sign 211.349+/-0.040 χ^2/NDF: 1994867.6/25

All: 191.154+/-0.026 χ^2/NDF: 5323120.6/53

- sign 177.031+/-0.034 χ^2/NDF: 2904632.8/27

asym_bcm_dg_us_an_us_dd_mean vs Slug



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 25.796+/-7.908 χ^2/NDF:7.7/9

Right Out: -8.329+/-8.286 χ^2/NDF: 16.0/17

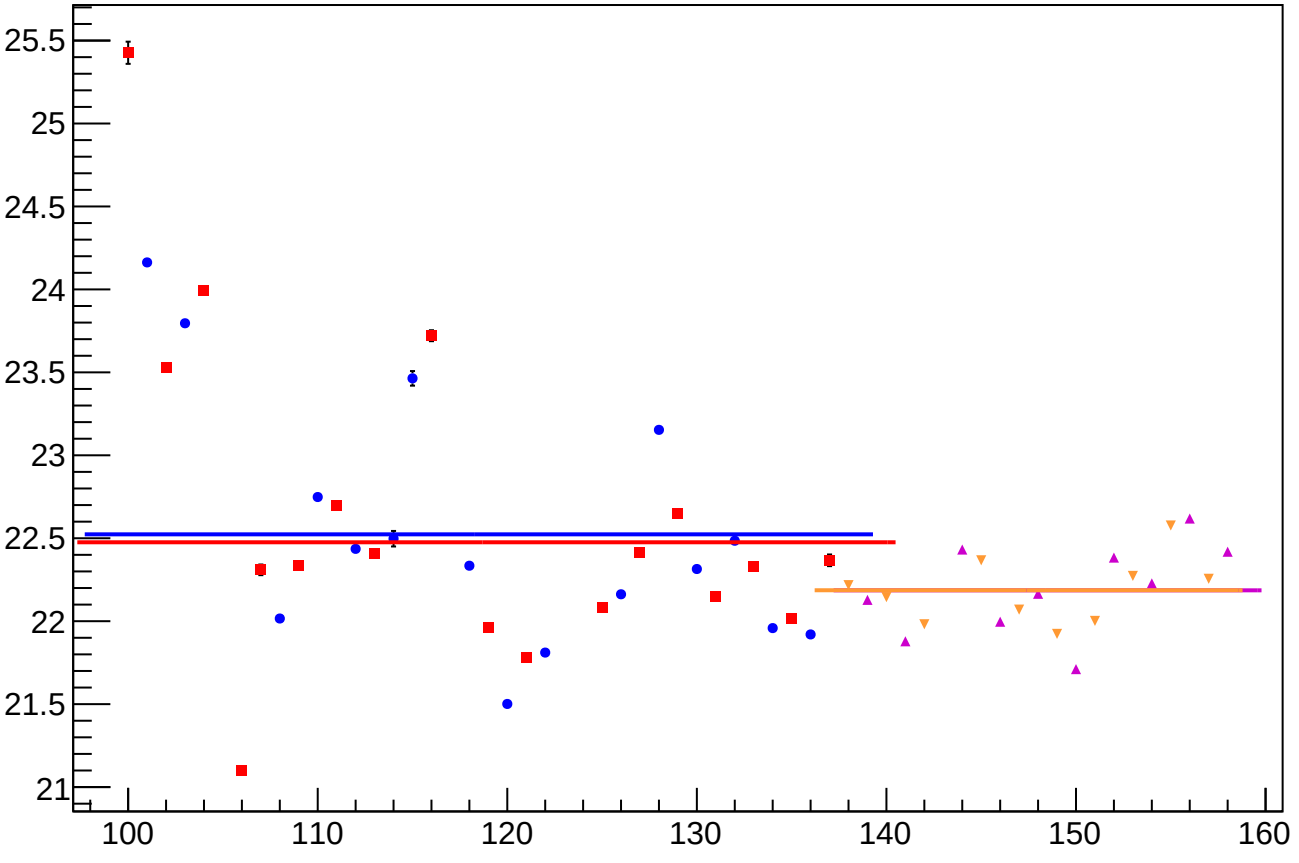
Left In: -9.222+/-7.513 χ^2/NDF:9.0/9

+ sign 14.326+/-5.748 χ^2/NDF: 30.8/25

All: 2.381+/-3.999 χ^2/NDF: 64.2/53

- sign -8.819+/-5.566 χ^2/NDF: 25.0/27

asym_bcm_dg_us_an_us_dd_rms vs Slug



Right In: 22.524+/-0.006 χ^2/NDF: 15947.8/15

Left Out: 22.186+/-0.006 χ^2/NDF:1133.2/9

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

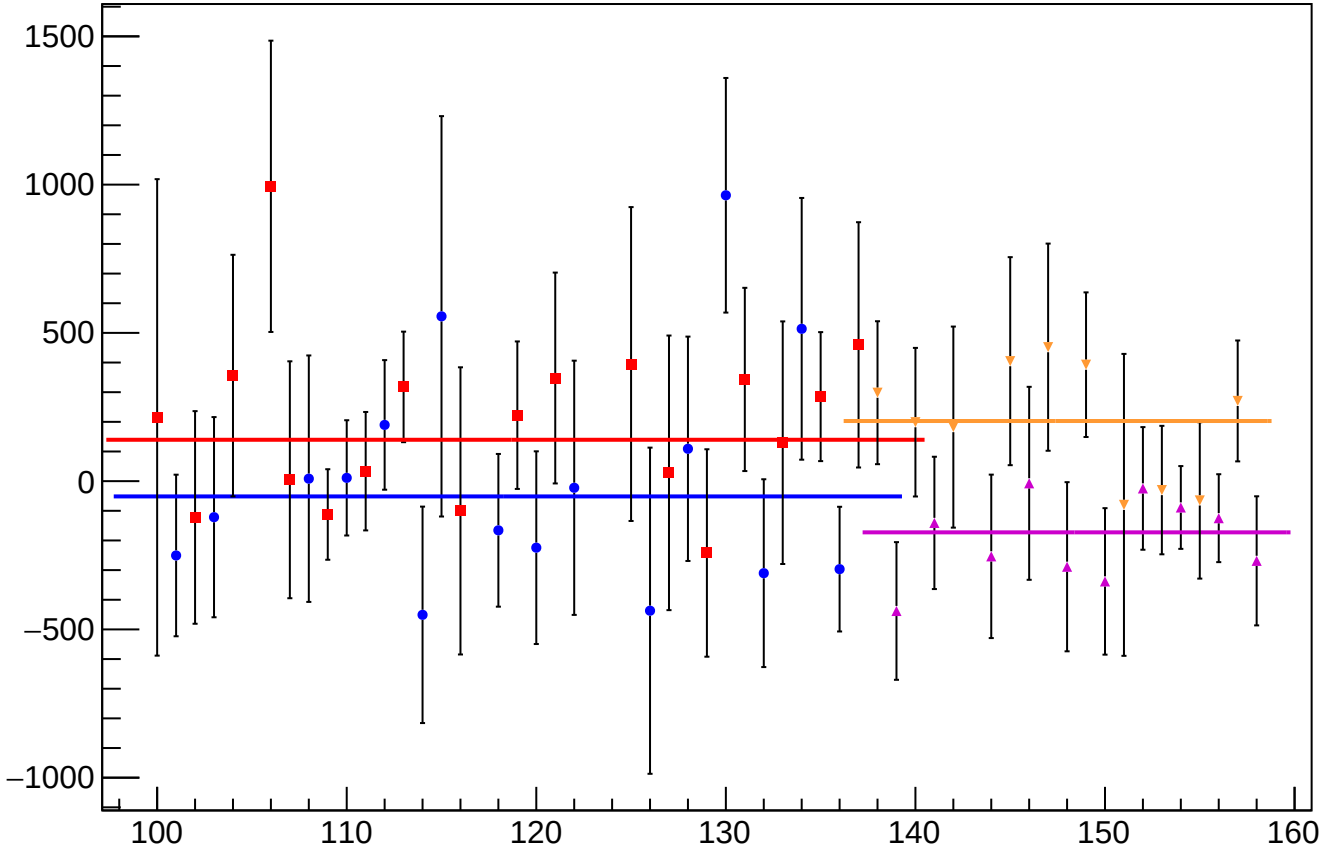
Left In: 22.186+/-0.005 χ^2/NDF:2502.2/9

\+ sign 22.345+/-0.004 χ^2/NDF: 18794.8/25

All: 22.331+/-0.003 χ^2/NDF: 38200.3/53

\- sign 22.317+/-0.004 χ^2/NDF: 19379.7/27

asym_bcm_dg_ds_an_us_avg_mean vs Slug



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 202.800+/-84.942 χ^2/NDF:4.2/9

Right Out: 139.546+/-68.888 χ^2/NDF: 11.6/17

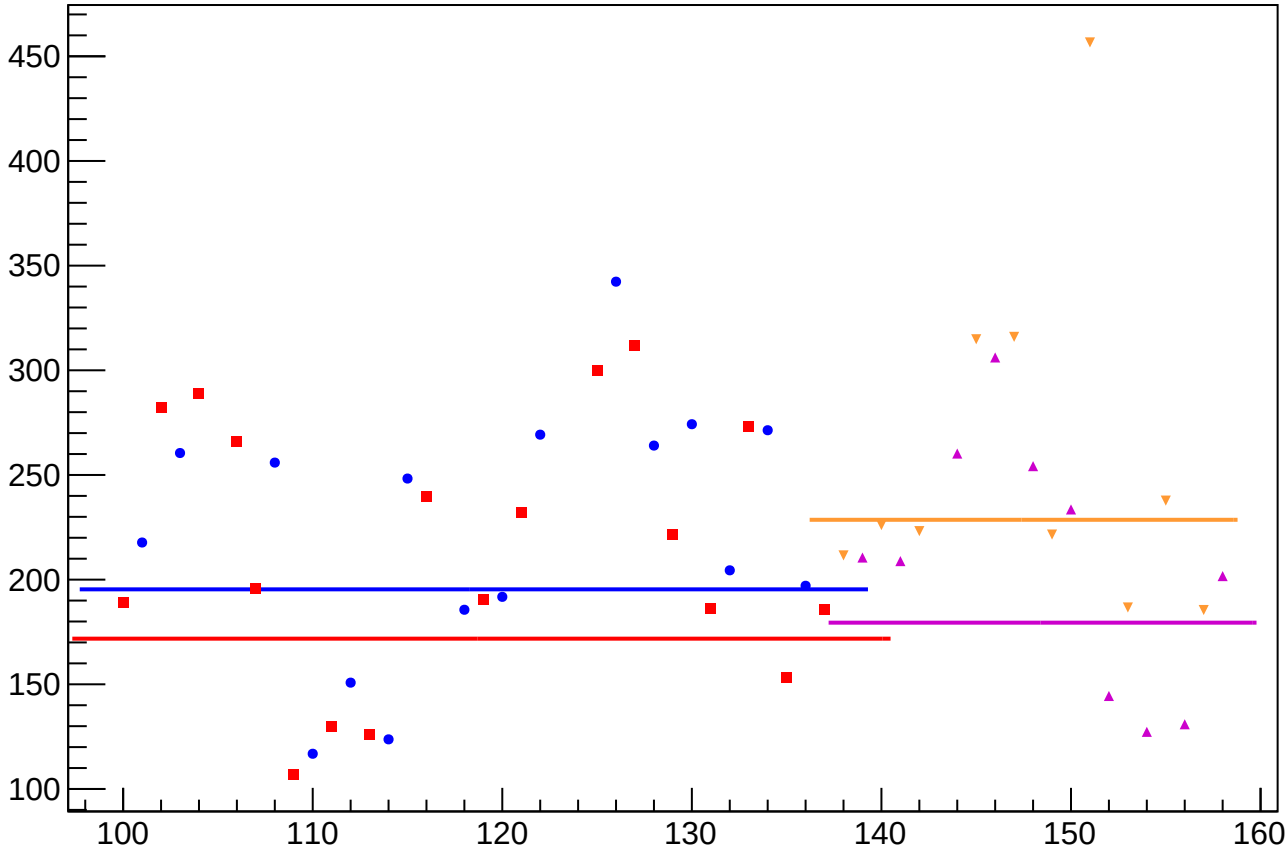
Left In: -172.680+/-65.759 χ^2/NDF:3.5/9

+ sign 62.882+/-56.967 χ^2/NDF: 24.5/25

All: 11.797+/-36.512 χ^2/NDF: 51.6/53

- sign -23.820+/-47.566 χ^2/NDF: 25.8/27

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 228.588+/-0.060 χ^2/NDF:826333.3/9

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

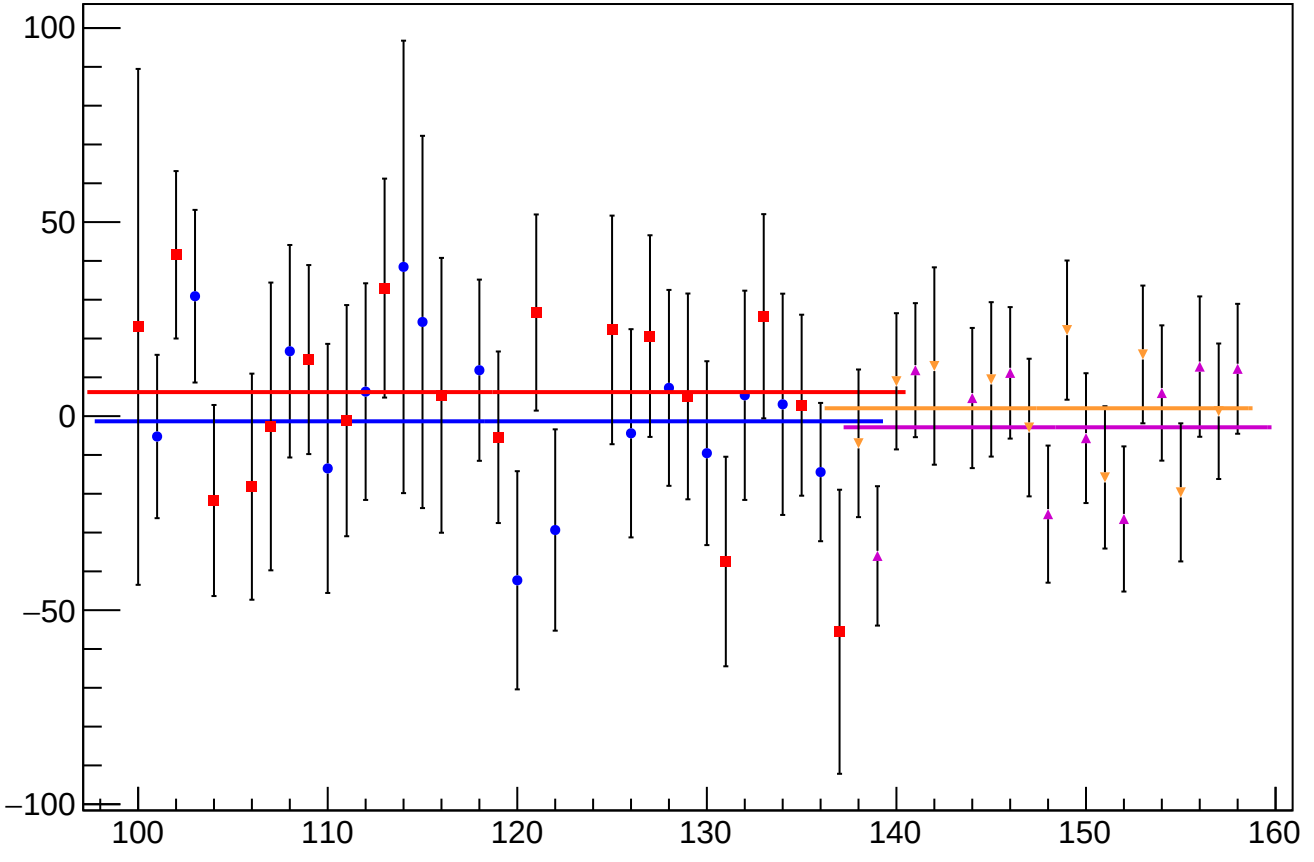
Left In: 179.444+/-0.046 χ^2/NDF:1350801.4/9

\+ sign 210.306+/-0.040 χ^2/NDF: 2036152.0/25

All: 189.976+/-0.026 χ^2/NDF: 5432785.9/53

\- sign 175.802+/-0.034 χ^2/NDF: 2964332.9/27

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 2.031+/-5.876 χ^2/NDF:5.1/9

Right Out: 6.195+/-6.473 χ^2/NDF: 13.5/17

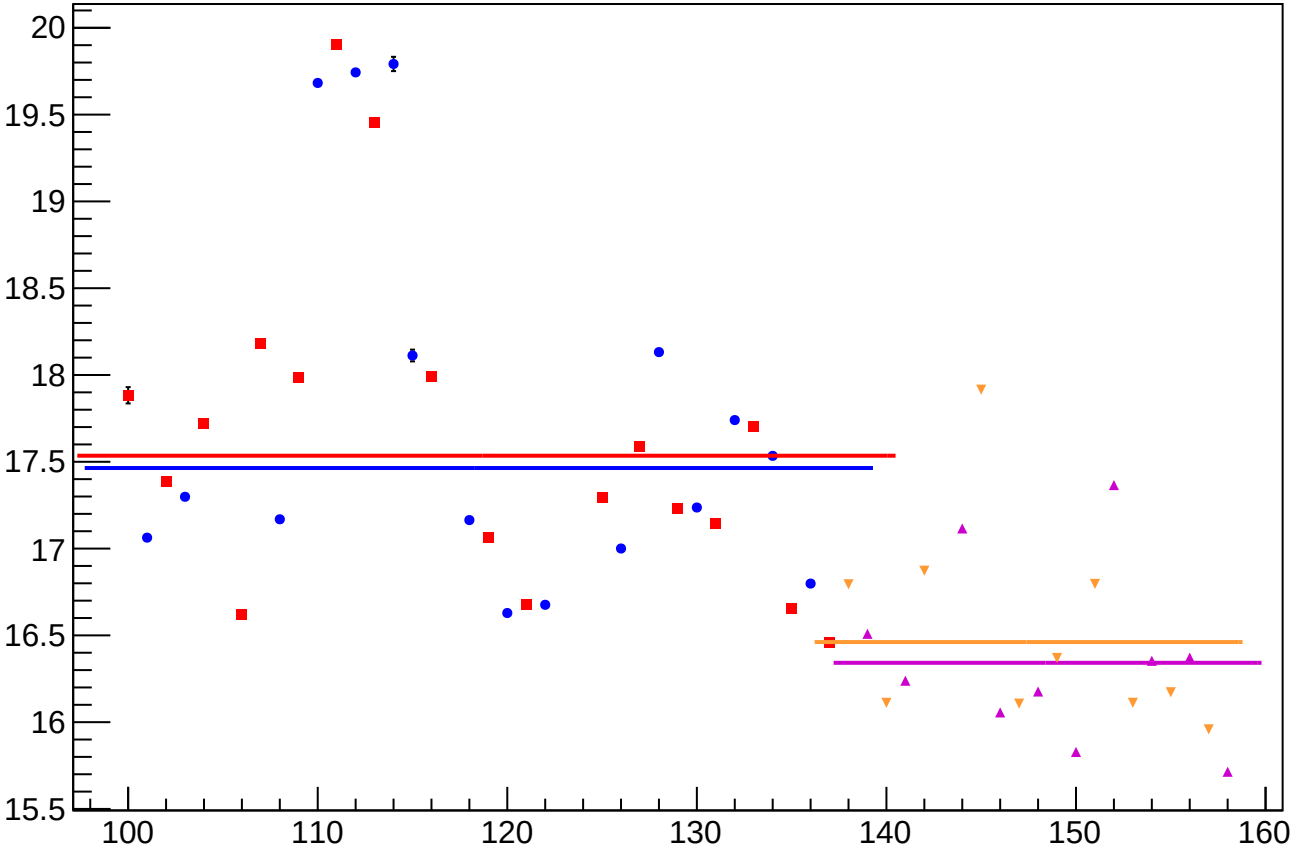
Left In: -2.870+/-5.542 χ^2/NDF:10.0/9

+ sign 0.519+/-4.358 χ^2/NDF: 13.3/25

All: 0.749+/-3.028 χ^2/NDF: 37.9/53

- sign 0.964+/-4.210 χ^2/NDF: 24.6/27

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.462+/-0.004 χ^2/NDF:17098.3/9

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

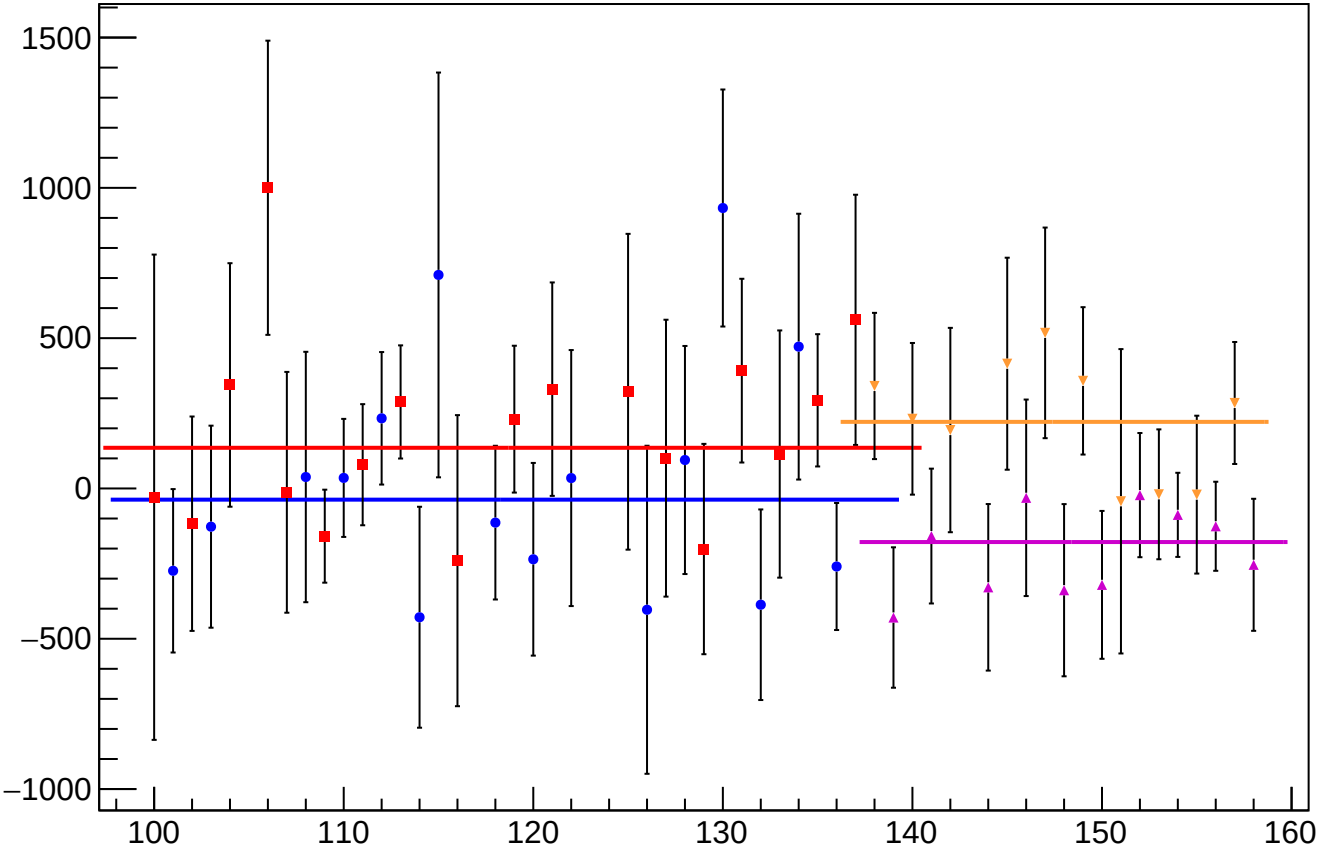
Left In: 16.342+/-0.004 χ^2/NDF:15358.8/9

\+ sign 16.913+/-0.003 χ^2/NDF: 79942.1/25

All: 16.878+/-0.002 χ^2/NDF: 169215.8/53

\- sign 16.847+/-0.003 χ^2/NDF: 89037.3/27

asym_bcm_dg_us_an_ds_avg_mean vs Slug



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 221.513+/-85.061 χ^2/NDF:4.0/9

Right Out: 135.279+/-69.157 χ^2/NDF: 12.8/17

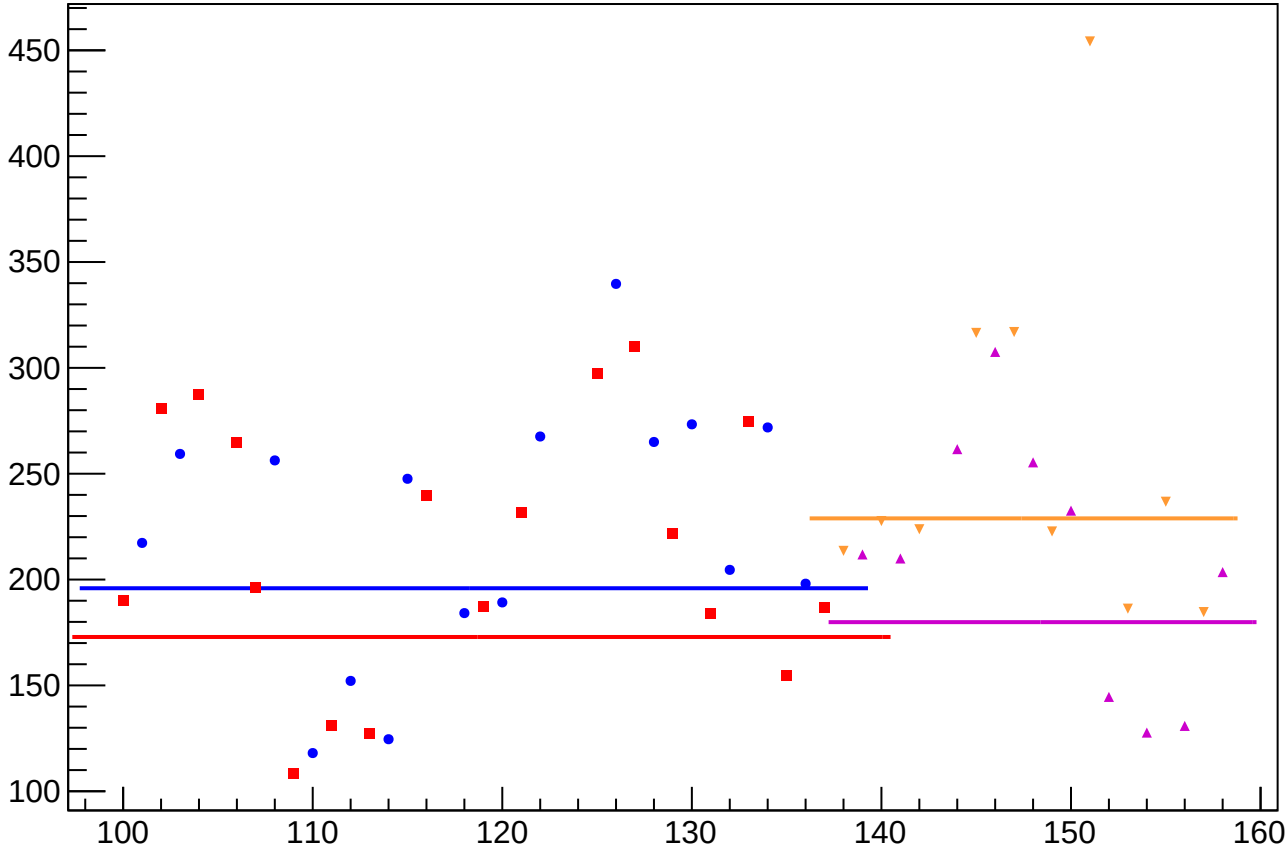
Left In: -178.273+/-65.920 χ^2/NDF:3.5/9

+ sign 79.156+/-57.050 χ^2/NDF: 24.8/25

All: 15.513+/-36.601 χ^2/NDF: 54.0/53

- sign -29.008+/-47.716 χ^2/NDF: 27.1/27

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 228.898+/-0.060 χ^2/NDF:830463.1/9

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

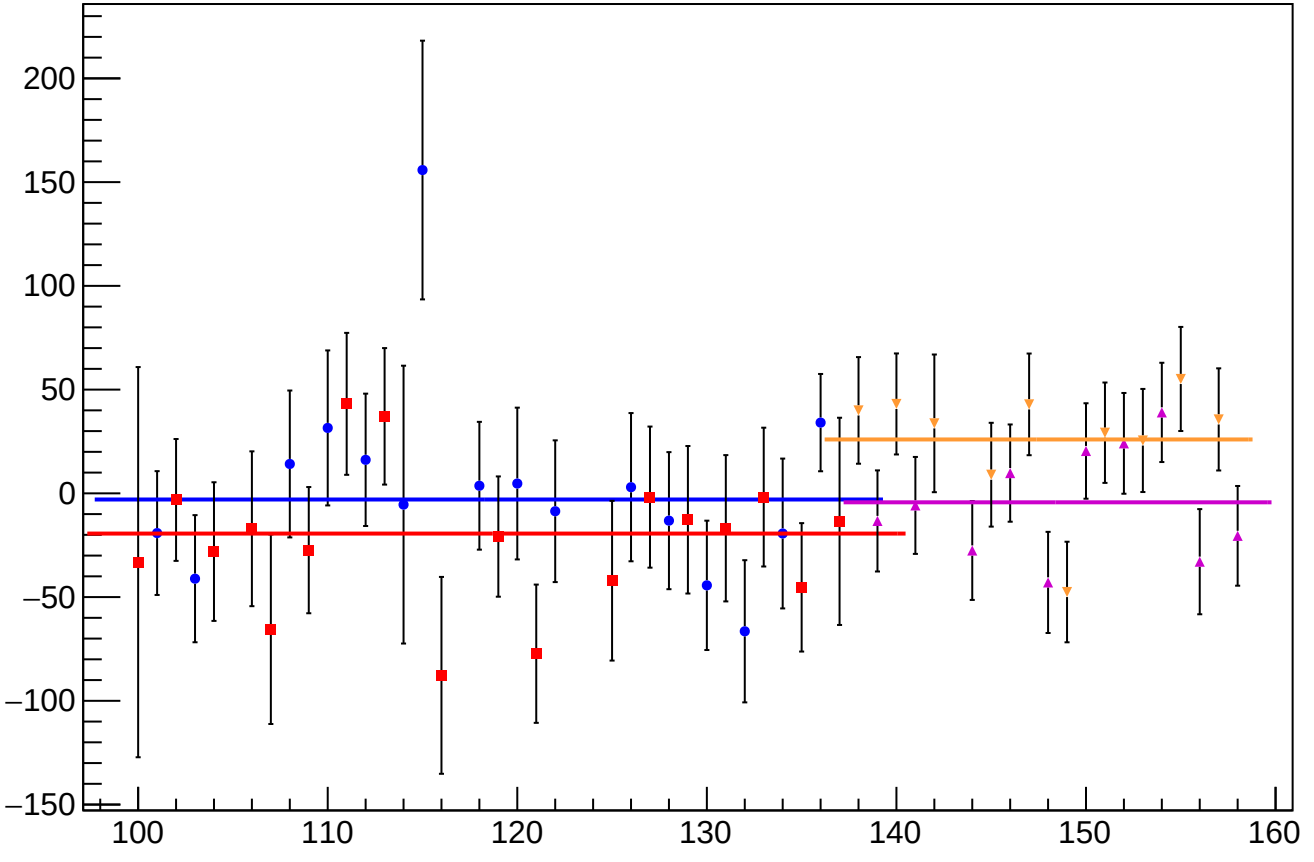
Left In: 179.884+/-0.047 χ^2/NDF:1361778.3/9

+ sign 210.744+/-0.040 χ^2/NDF: 2007072.6/25

All: 190.622+/-0.026 χ^2/NDF: 5345707.2/53

- sign 176.547+/-0.034 χ^2/NDF: 2915807.5/27

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 25.972+/-7.995 χ^2/NDF:12.5/9

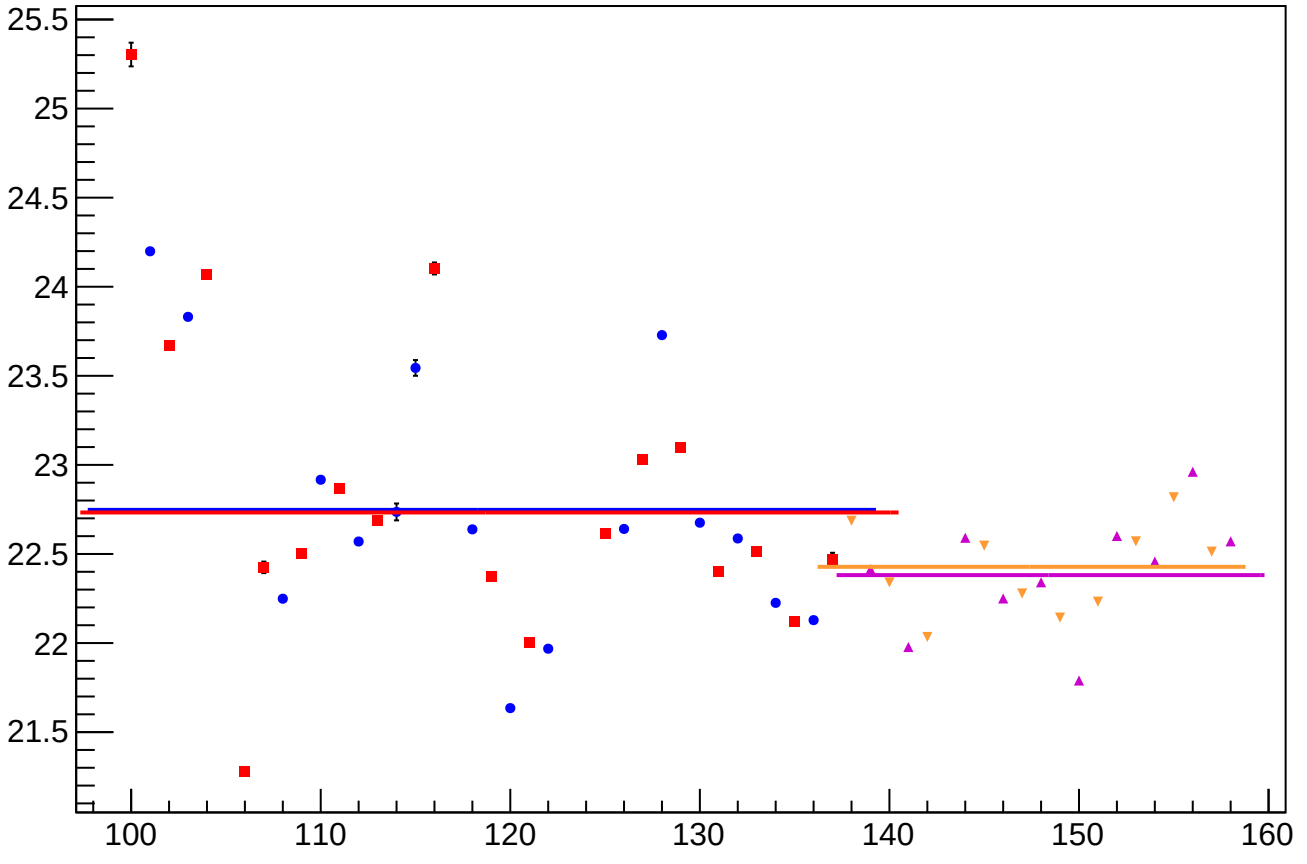
Right Out: -19.387+/-8.381 χ^2/NDF: 14.5/17

Left In: -4.324+/-7.580 χ^2/NDF:11.5/9

+ sign 12.309+/-5.809 χ^2/NDF: 36.6/25

All: 0.221+/-4.040 χ^2/NDF: 72.8/53

- sign -11.101+/-5.622 χ^2/NDF: 27.8/27



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.428+/-0.006 χ^2/NDF:1611.1/9

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

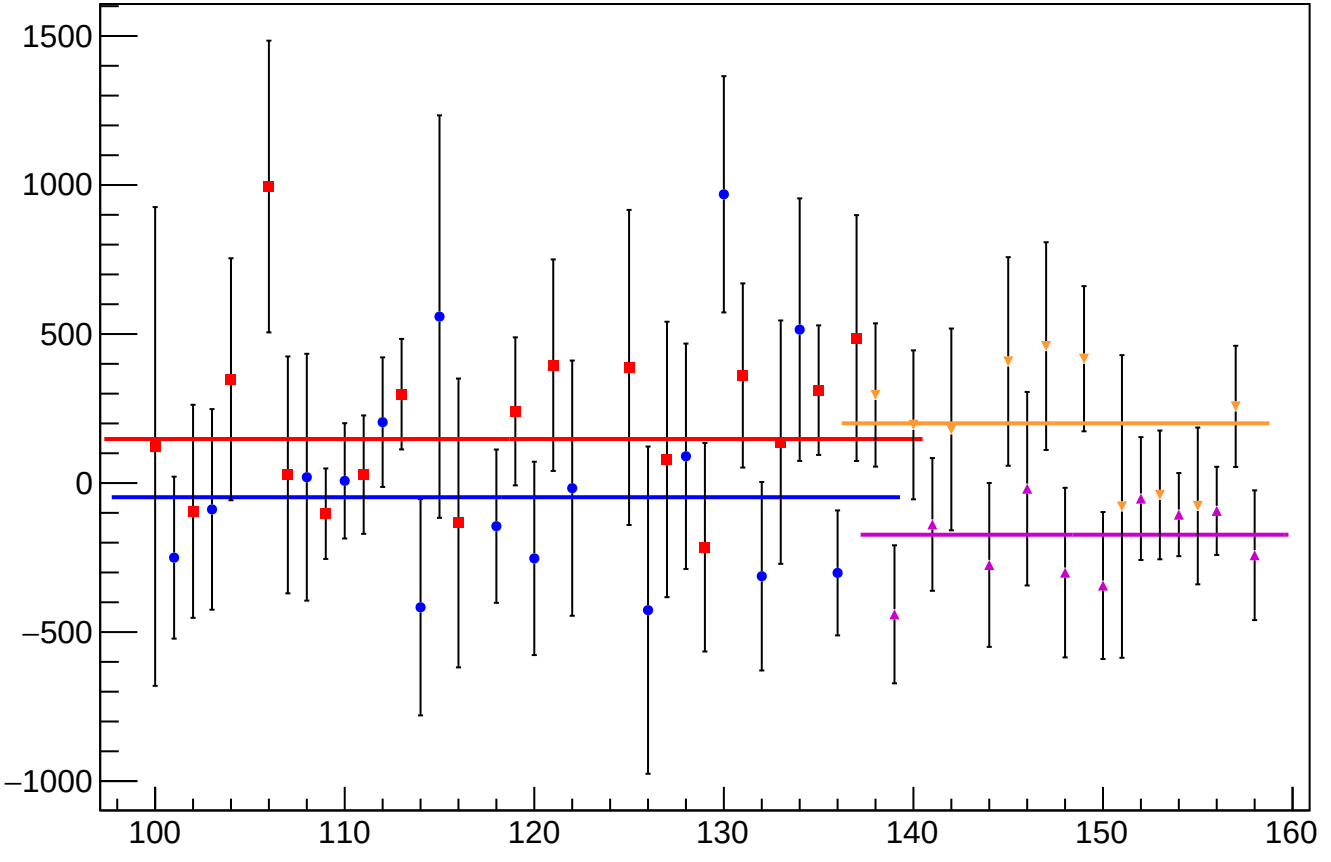
Left In: 22.381+/-0.005 χ^2/NDF:3503.6/9

+ sign 22.579+/-0.004 χ^2/NDF: 17742.8/25

All: 22.558+/-0.003 χ^2/NDF: 37619.4/53

- sign 22.540+/-0.004 χ^2/NDF: 19829.4/27

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 200.474+/-84.742 χ^2/NDF:4.6/9

Right Out: 147.812+/-68.660 χ^2/NDF: 11.5/17

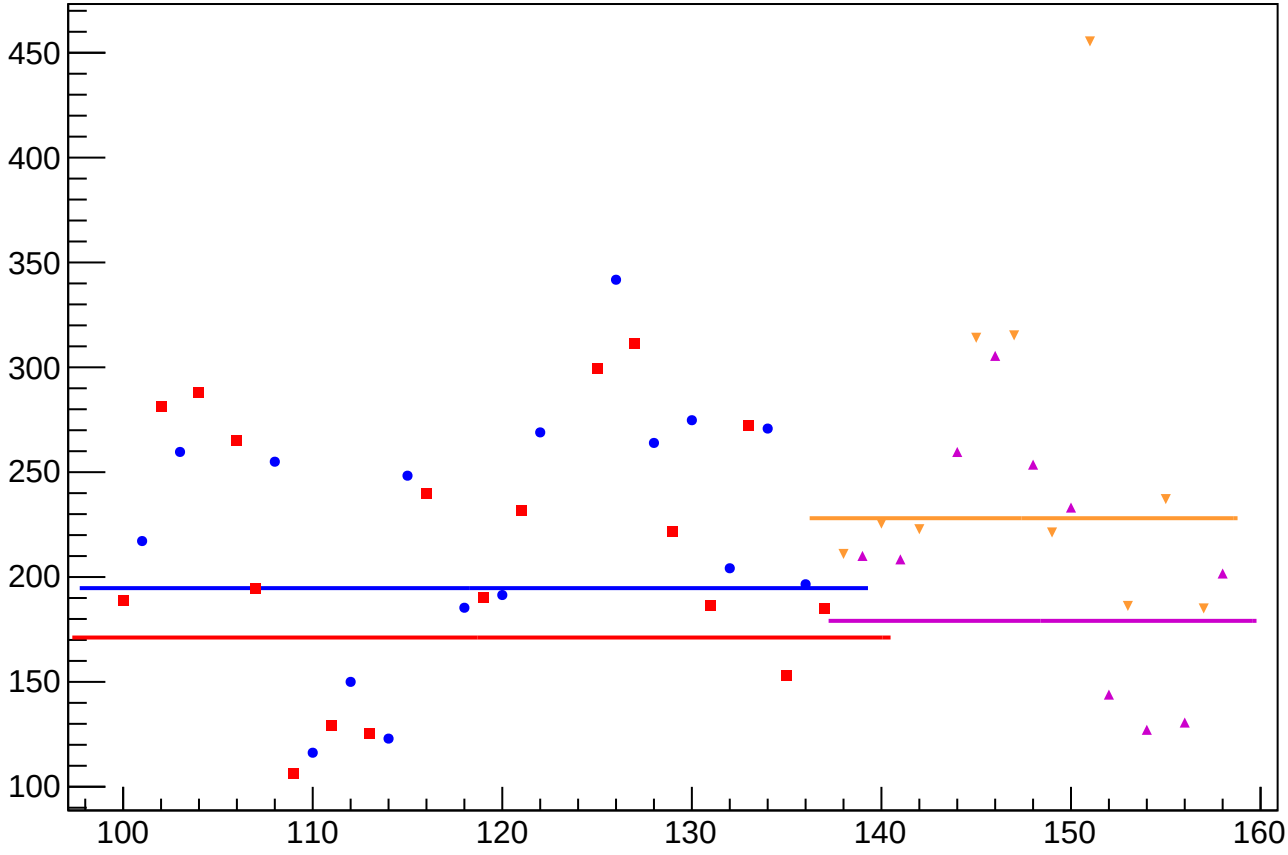
Left In: -173.324+/-65.634 χ^2/NDF:3.4/9

+ sign 63.946+/-56.814 χ^2/NDF: 24.7/25

All: 14.496+/-36.416 χ^2/NDF: 52.3/53

- sign -19.988+/-47.444 χ^2/NDF: 26.3/27

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 228.050+/-0.060 χ^2/NDF:826350.4/9

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

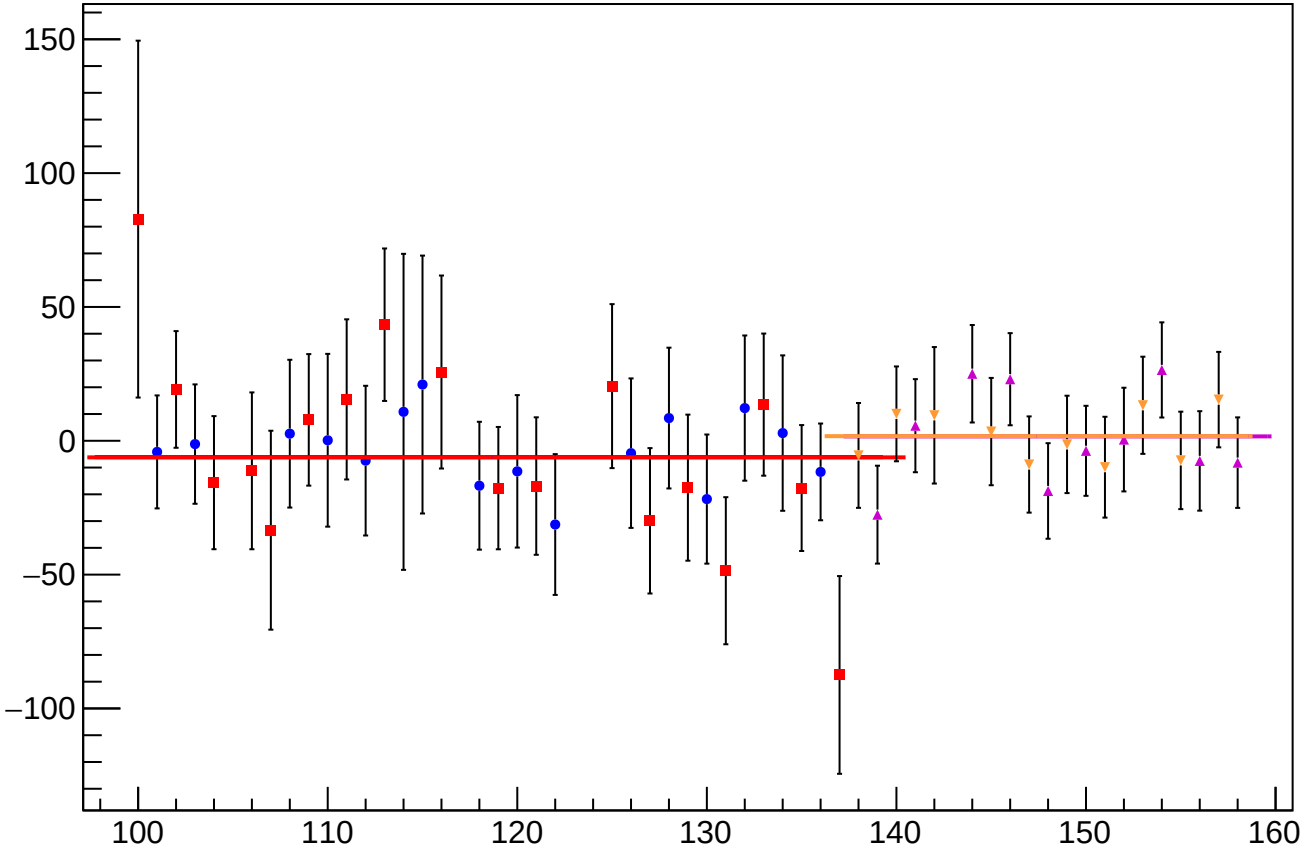
Left In: 179.108+/-0.046 χ^2/NDF:1350367.1/9

+ sign 209.694+/-0.040 χ^2/NDF: 2049084.4/25

All: 189.437+/-0.026 χ^2/NDF: 5456965.0/53

- sign 175.311+/-0.034 χ^2/NDF: 2976318.7/27

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 1.726+/-5.981 χ^2/NDF:2.4/9

Right Out: -6.195+/-6.580 χ^2/NDF: 18.6/17

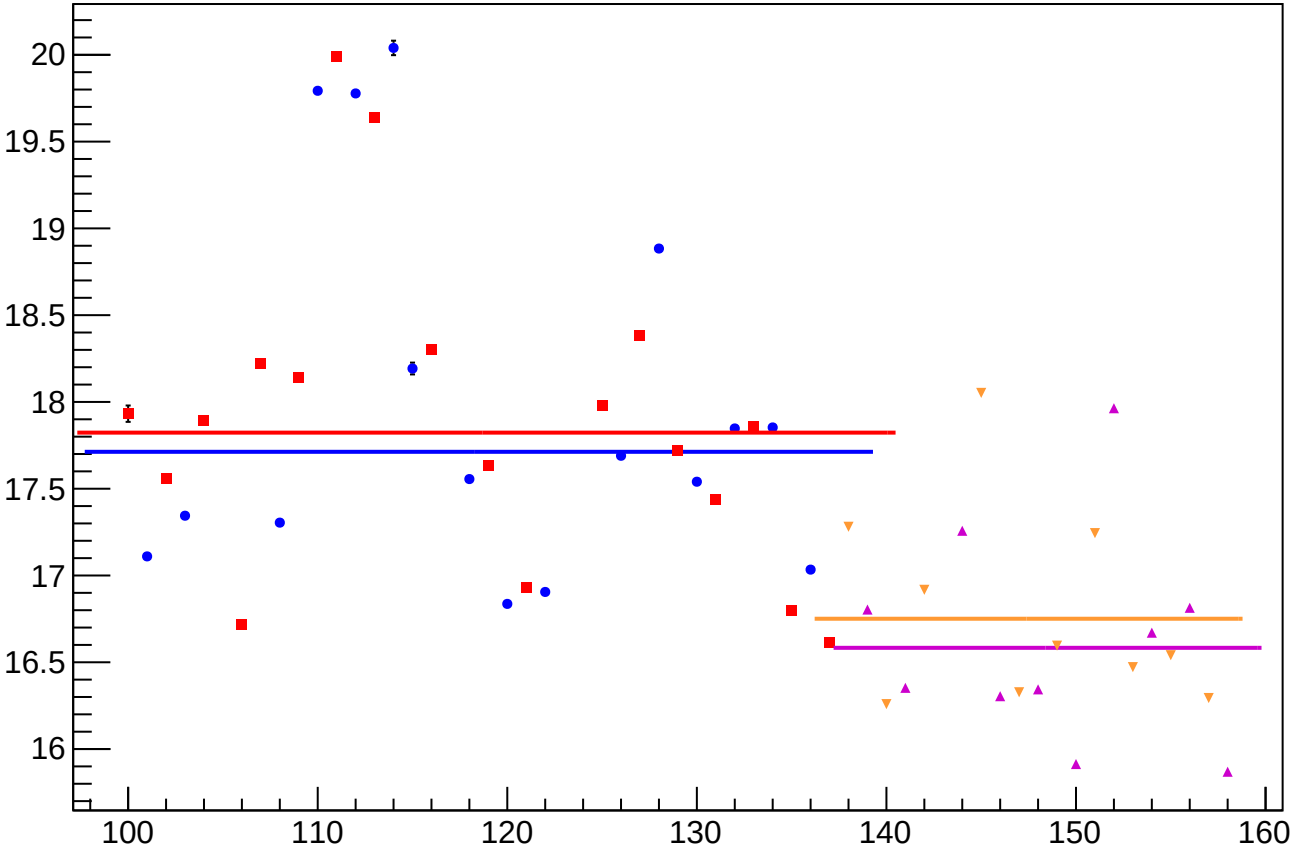
Left In: 1.644+/-5.627 χ^2/NDF:9.7/9

+ sign -1.816+/-4.430 χ^2/NDF: 6.4/25

All: -1.739+/-3.077 χ^2/NDF: 35.5/53

- sign -1.667+/-4.277 χ^2/NDF: 29.2/27

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.751+/-0.004 χ^2/NDF:16197.2/9

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

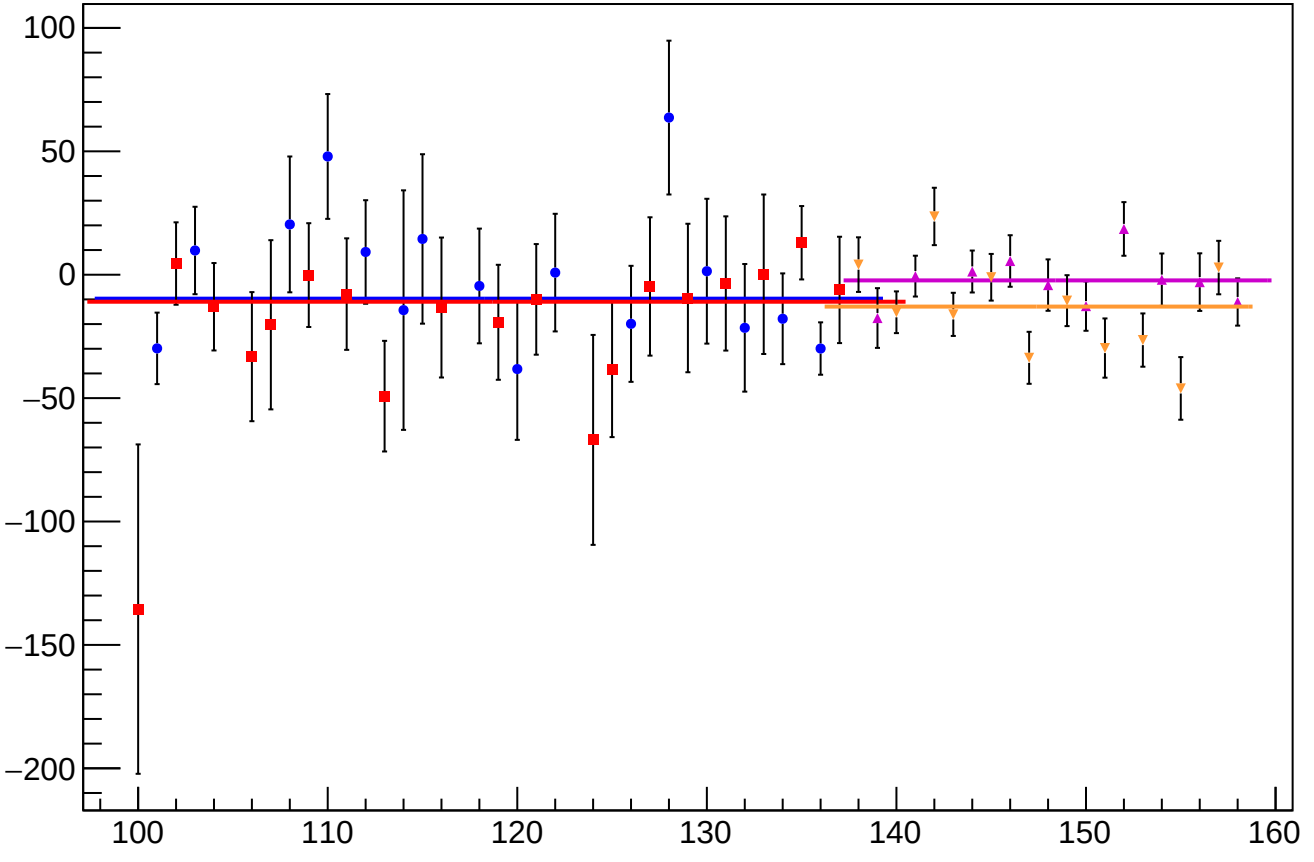
Left In: 16.583+/-0.004 χ^2/NDF:21523.1/9

\+ sign 17.185+/-0.003 χ^2/NDF: 75530.8/25

All: 17.145+/-0.002 χ^2/NDF: 170898.0/53

\- sign 17.107+/-0.003 χ^2/NDF: 95044.8/27

diff_bpm_4aX_4acX_avg_mean vs Slug



Right In: -9.702+/-5.231 χ^2/NDF: 22.0/15

Left Out: -12.913+/-3.124 χ^2/NDF:30.5/10

Right Out: -10.938+/-5.436 χ^2/NDF: 14.1/18

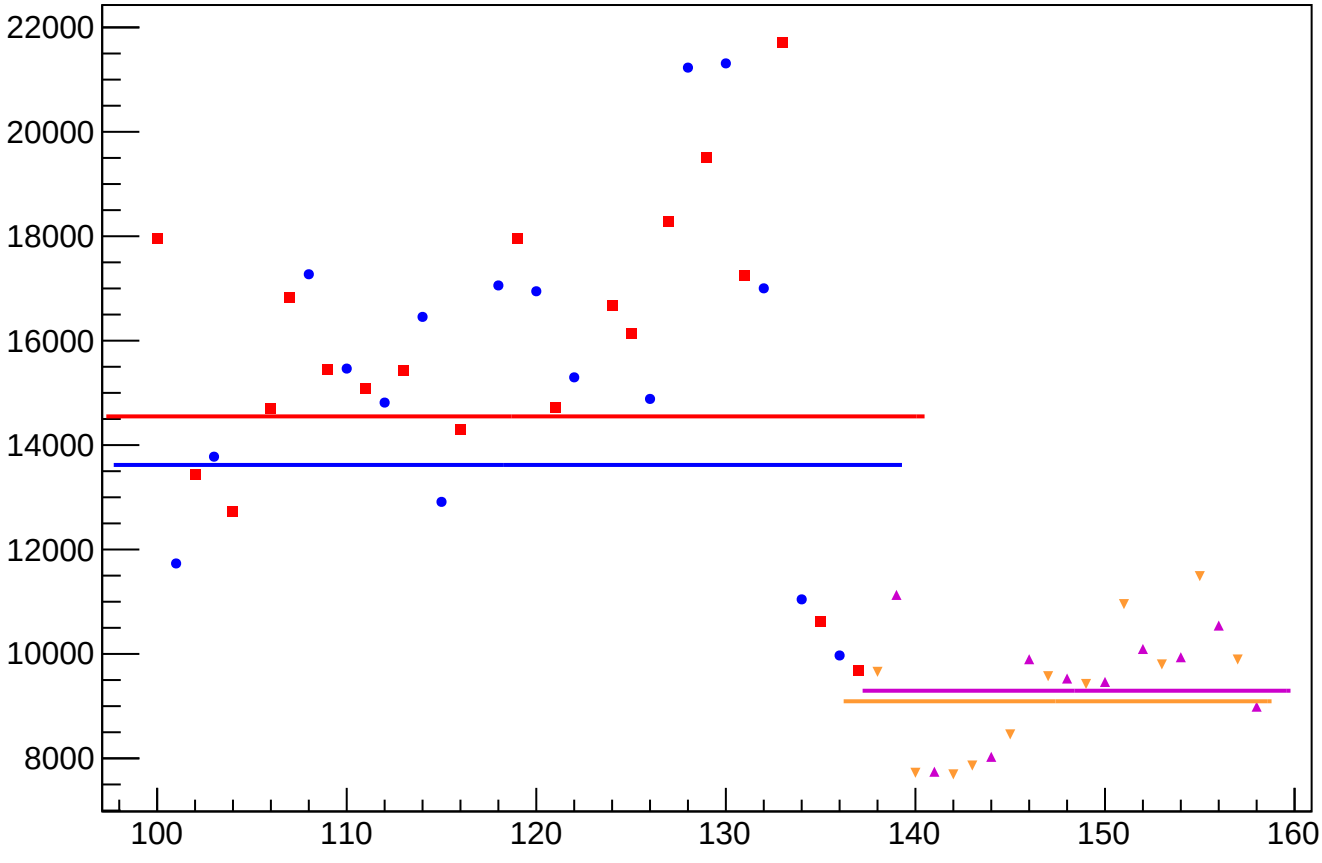
Left In: -2.299+/-3.174 χ^2/NDF:8.0/9

+ sign -12.069+/-2.682 χ^2/NDF: 52.7/26

All: -8.365+/-1.917 χ^2/NDF: 80.6/55

- sign -4.496+/-2.741 χ^2/NDF: 24.0/28

diff_bpm_4aX_4acX_avg_rms vs Slug



Right In: 13619.845+/-3.699 χ^2/NDF: 746985.9/15

Left Out: 9093.205+/-2.209 χ^2/NDF:280370.0/10

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

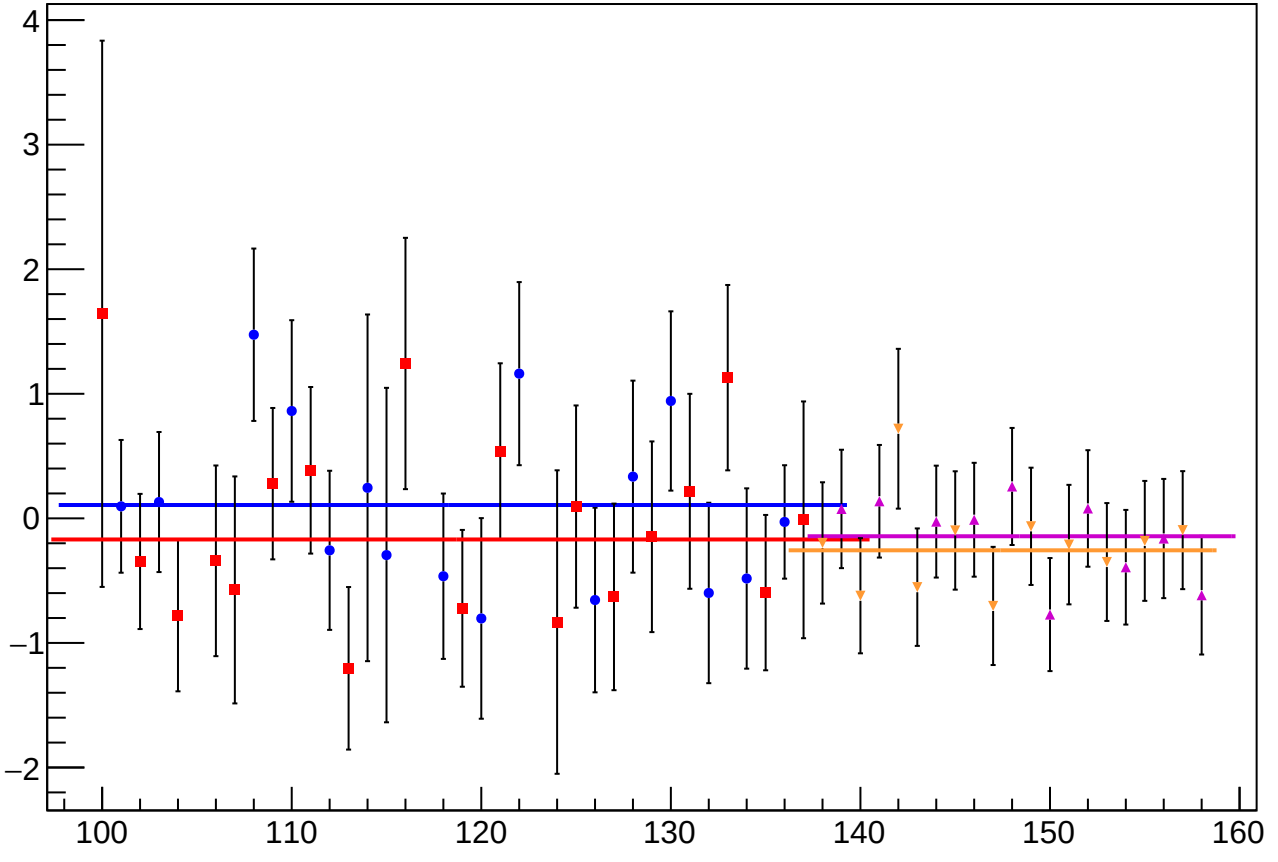
Left In: 9295.269+/-2.245 χ^2/NDF:212026.3/9

+ sign 10282.900+/-1.896 χ^2/NDF: 2131230.4/26

All: 10453.265+/-1.356 χ^2/NDF: 4309051.2/5

- sign 10631.237+/-1.938 χ^2/NDF: 2161319.6/28

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.256+/-0.146 χ^2/NDF:4.7/10

Right Out: -0.169+/-0.169 χ^2/NDF: 14.1/18

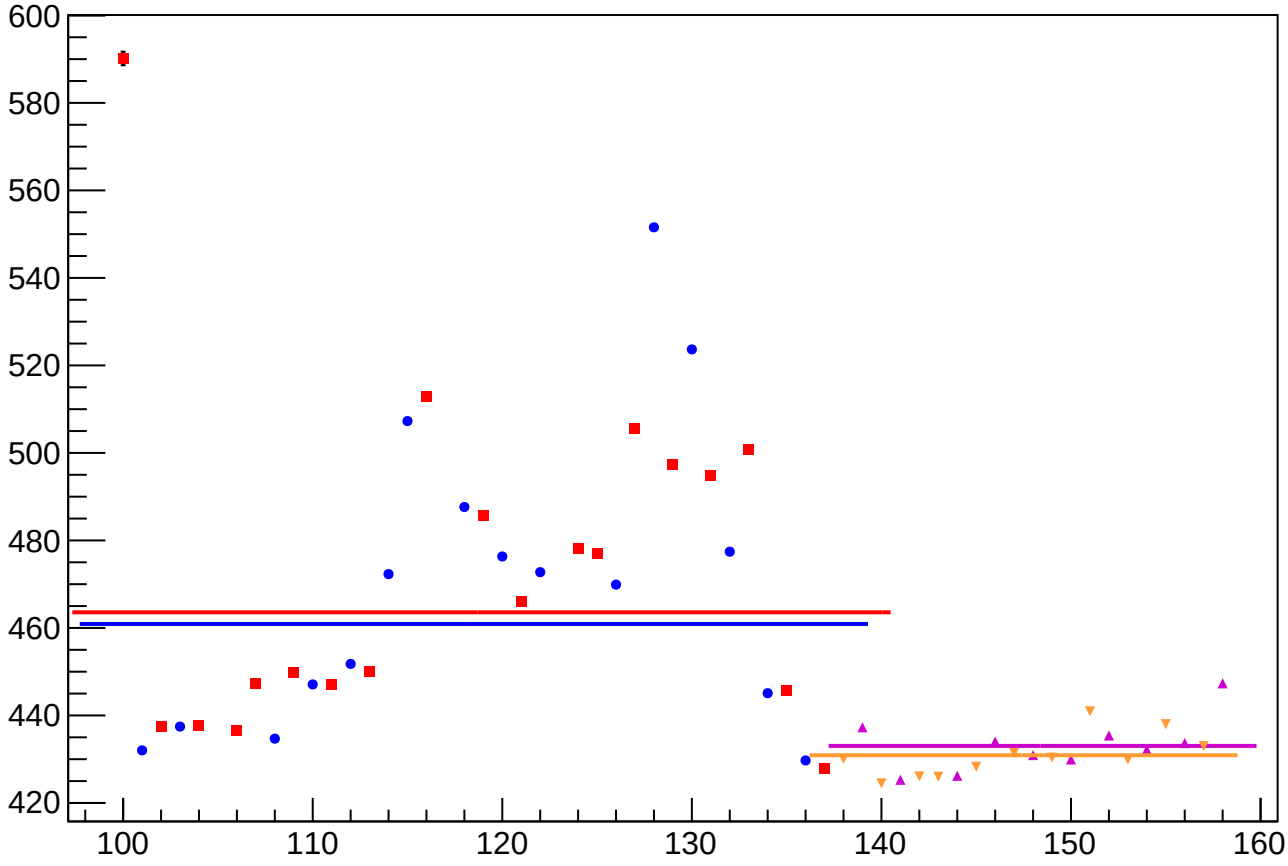
Left In: -0.144+/-0.147 χ^2/NDF:4.9/9

+ sign -0.104+/-0.111 χ^2/NDF: 21.0/26

All: -0.129+/-0.079 χ^2/NDF: 40.1/55

- sign -0.155+/-0.111 χ^2/NDF: 19.0/28

diff_bpm_4aX_4acX_dd_rms vs Slug



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 430.906+/-0.103 χ^2/NDF:2147.2/10

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

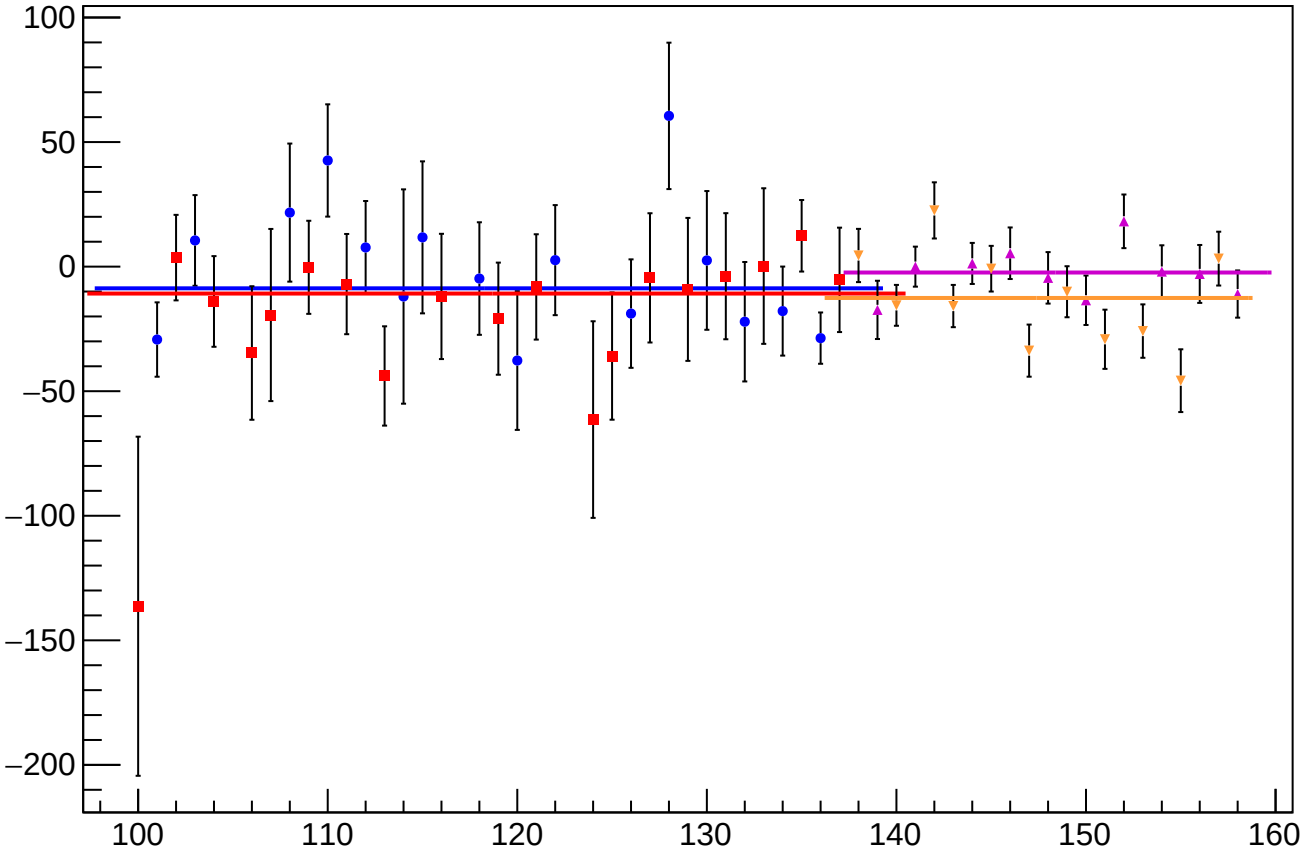
Left In: 433.042+/-0.104 χ^2/NDF:3216.0/9

+ sign 443.512+/-0.079 χ^2/NDF: 112475.3/26

All: 444.819+/-0.056 χ^2/NDF: 205548.0/55

- sign 446.115+/-0.078 χ^2/NDF: 92523.6/28

diff_bpm_4aX_4eX_avg_mean vs Slug



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -12.578+/-3.063 χ^2/NDF:30.9/10

Right Out: -10.807+/-5.192 χ^2/NDF: 13.9/18

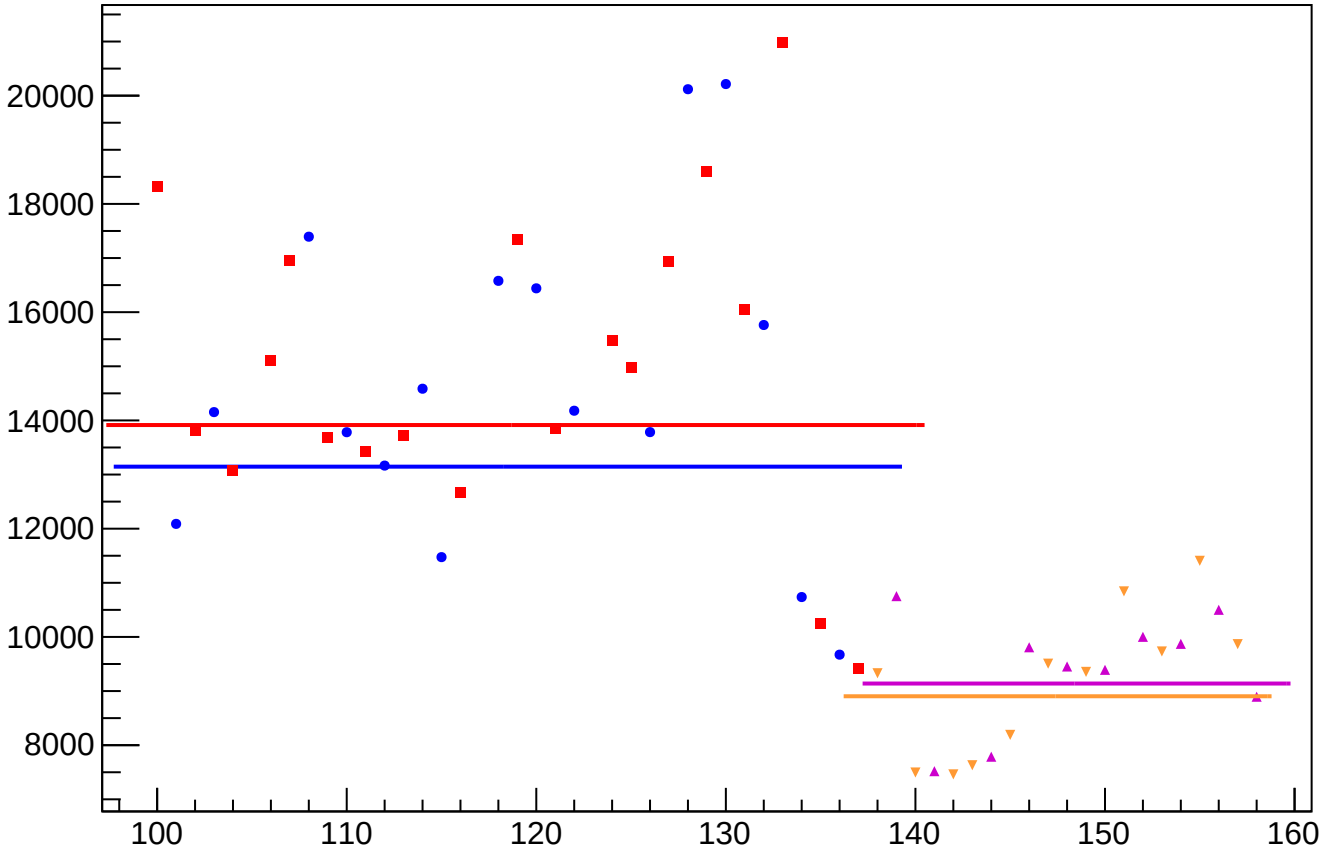
Left In: -2.363+/-3.123 χ^2/NDF:8.3/9

+ sign -11.533+/-2.617 χ^2/NDF: 53.6/26

All: -8.147+/-1.871 χ^2/NDF: 81.1/55

- sign -4.607+/-2.676 χ^2/NDF: 24.1/28

diff_bpm_4aX_4eX_avg_rms vs Slug



Right In: 13145.853+/-3.561 χ^2/NDF: 682620.1/15

Left Out: 8903.829+/-2.166 χ^2/NDF:322565.8/10

Right Out: 13914.770+/-3.671 χ^2/NDF: 511000.7/18

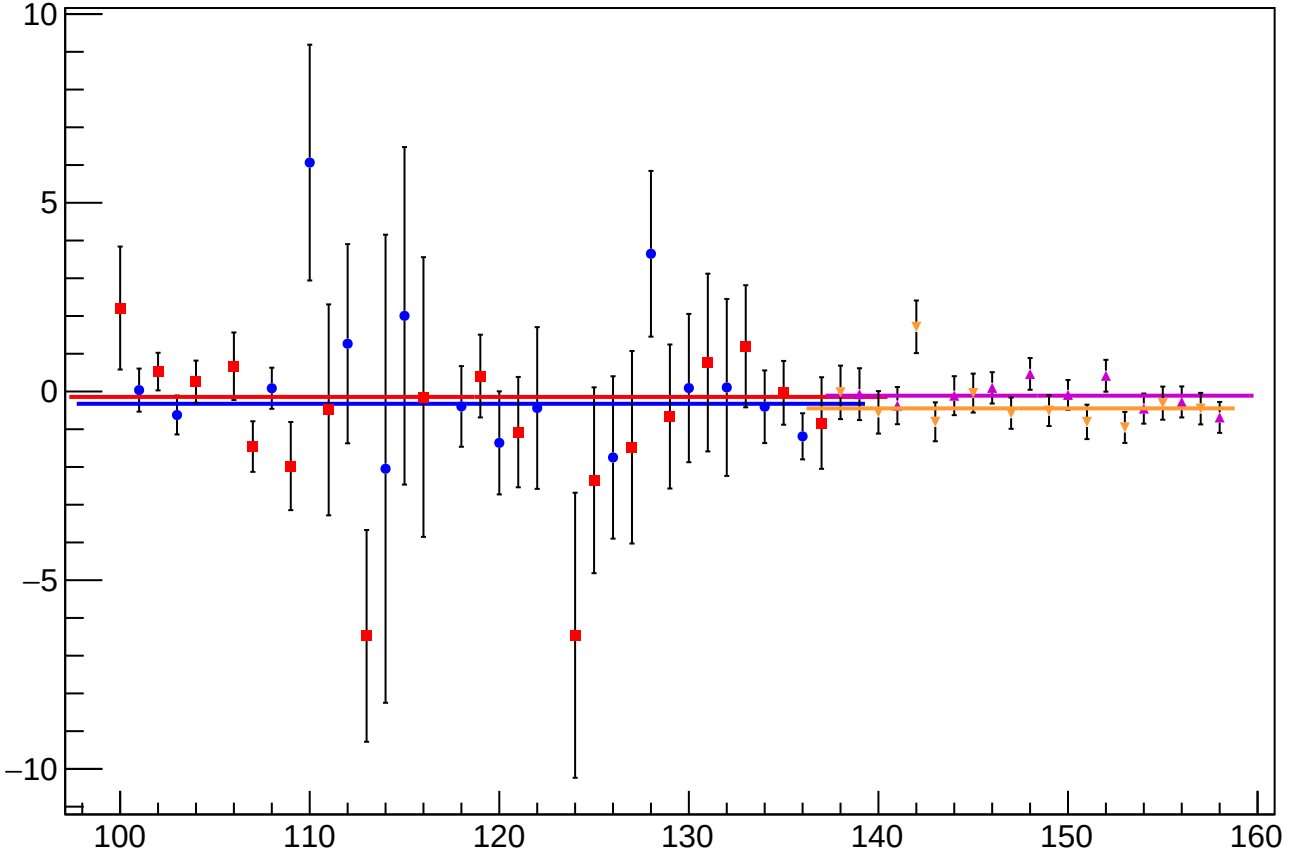
Left In: 9139.019+/-2.208 χ^2/NDF:236063.7/9

+ sign 10049.252+/-1.850 χ^2/NDF: 2041187.9/26

All: 10224.596+/-1.323 χ^2/NDF: 4049382.1/5

- sign 10407.984+/-1.892 χ^2/NDF: 1989821.5/28

diff_bpm_4aX_4eX_dd_mean vs Slug



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.447+/-0.144 χ^2/NDF:13.4/10

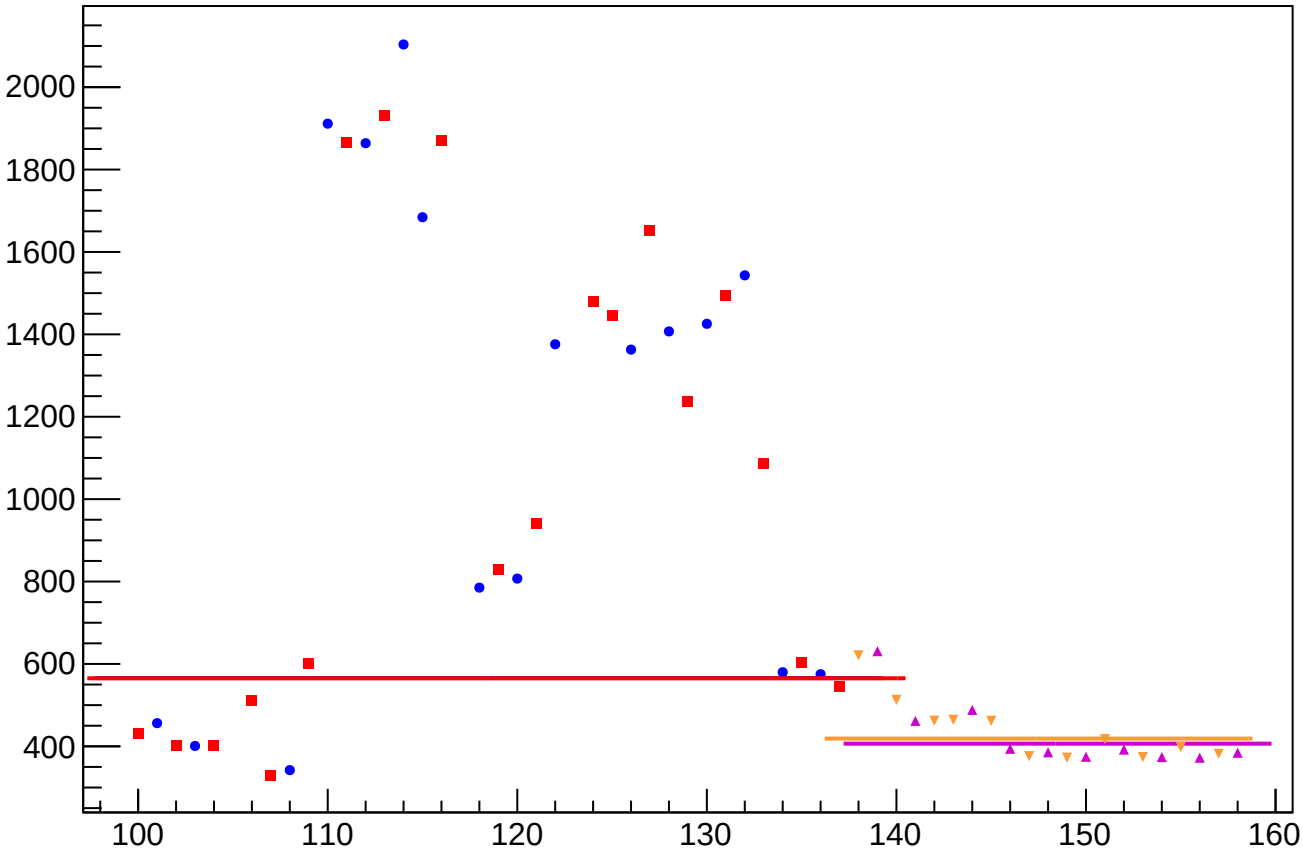
Right Out: -0.144+/-0.244 χ^2/NDF: 22.5/18

Left In: -0.111+/-0.139 χ^2/NDF:6.9/9

+ sign -0.416+/-0.124 χ^2/NDF: 26.2/26

All: -0.264+/-0.087 χ^2/NDF: 58.5/55

- sign -0.119+/-0.121 χ^2/NDF: 29.3/28



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 418.865+/-0.102 χ^2/NDF:346449.2/10

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

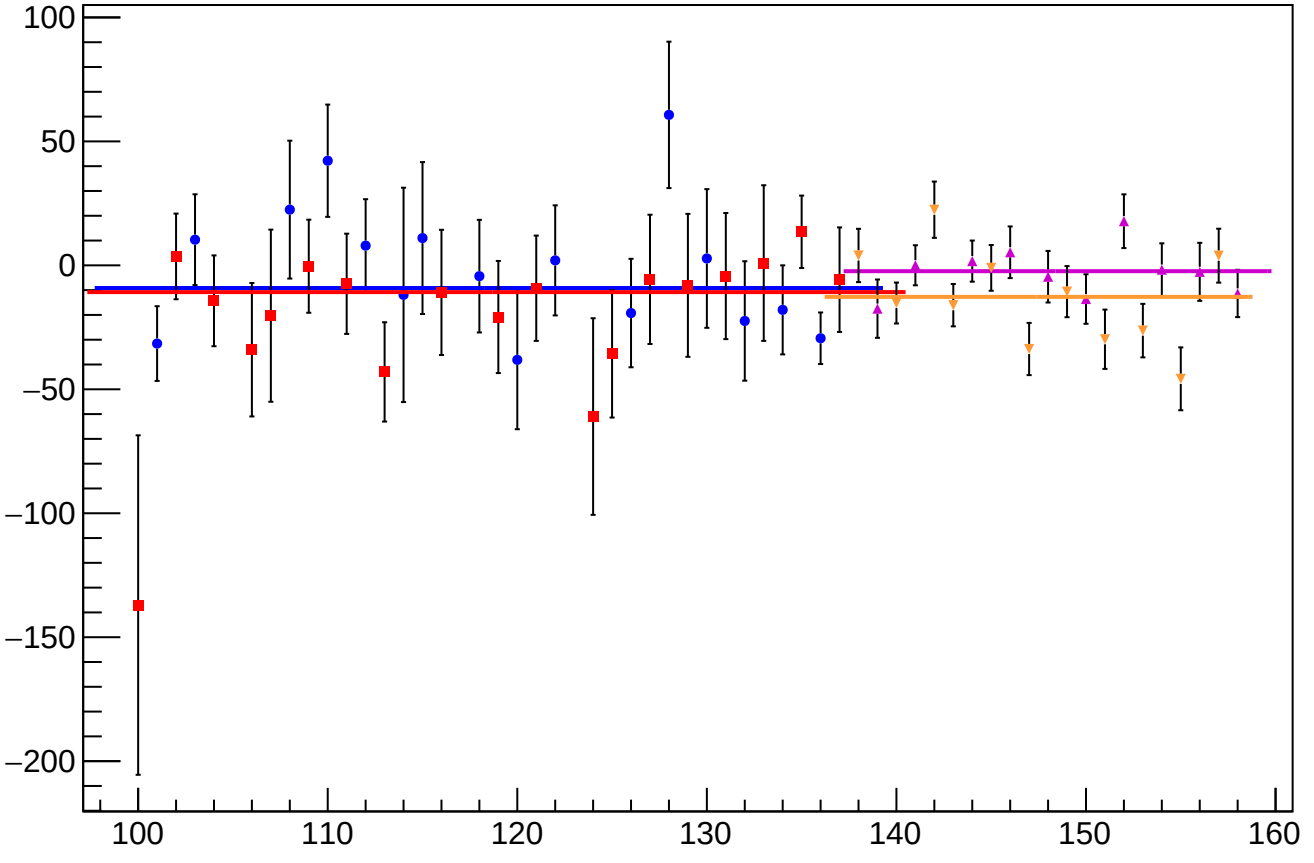
Left In: 406.511+/-0.098 χ^2/NDF:344099.1/9

+ sign 456.720+/-0.088 χ^2/NDF: 4332537.7/26

All: 450.917+/-0.061 χ^2/NDF: 8893740.3/55

- sign 445.398+/-0.086 χ^2/NDF: 4552660.3/28

diff_bpm_4aX_4ecX_avg_mean vs Slug



Right In: -9.130+/-5.069 χ^2/NDF: 22.7/15

Left Out: -12.706+/-3.082 χ^2/NDF:30.7/10

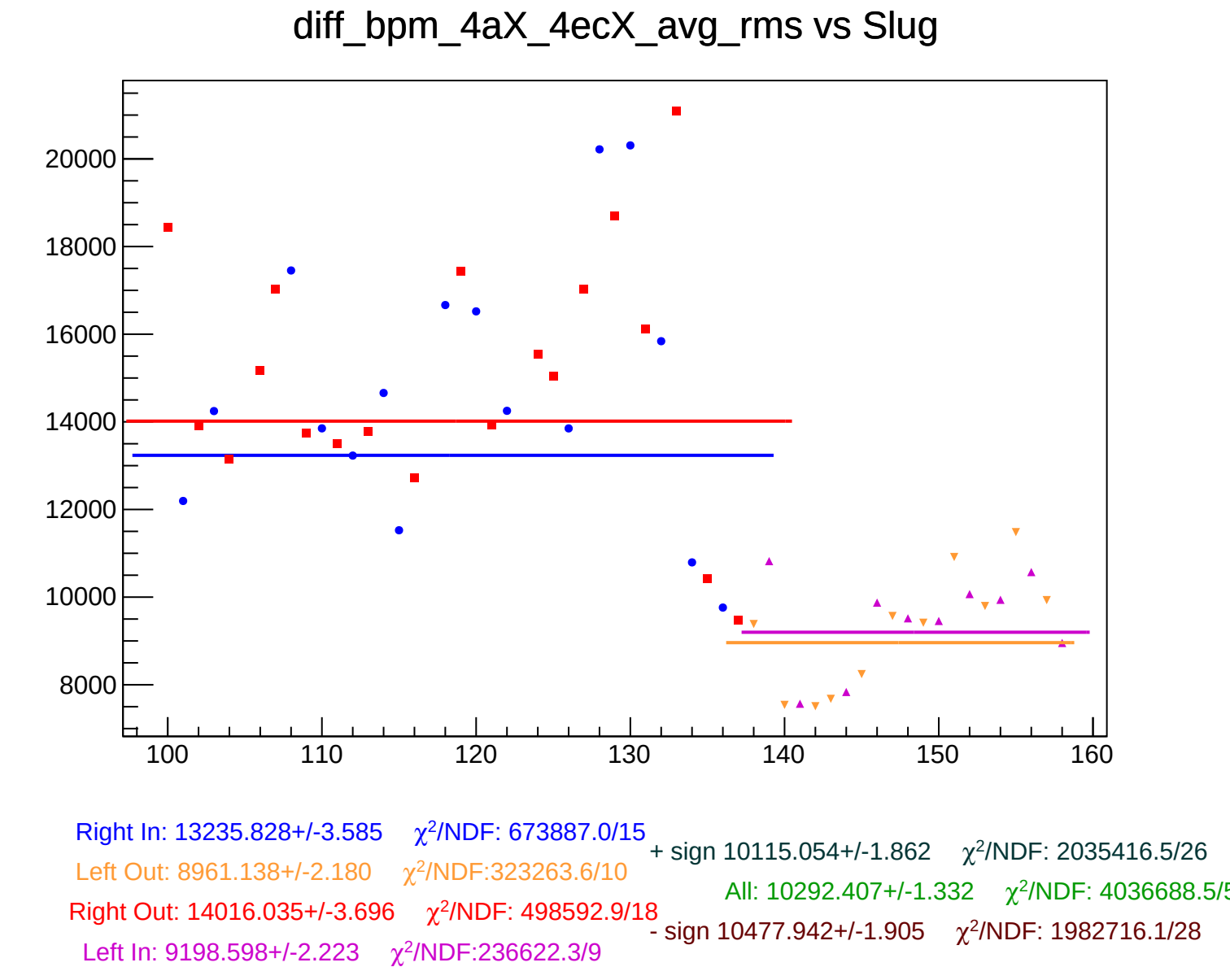
Right Out: -10.788+/-5.227 χ^2/NDF: 13.7/18

Left In: -2.354+/-3.143 χ^2/NDF:8.2/9

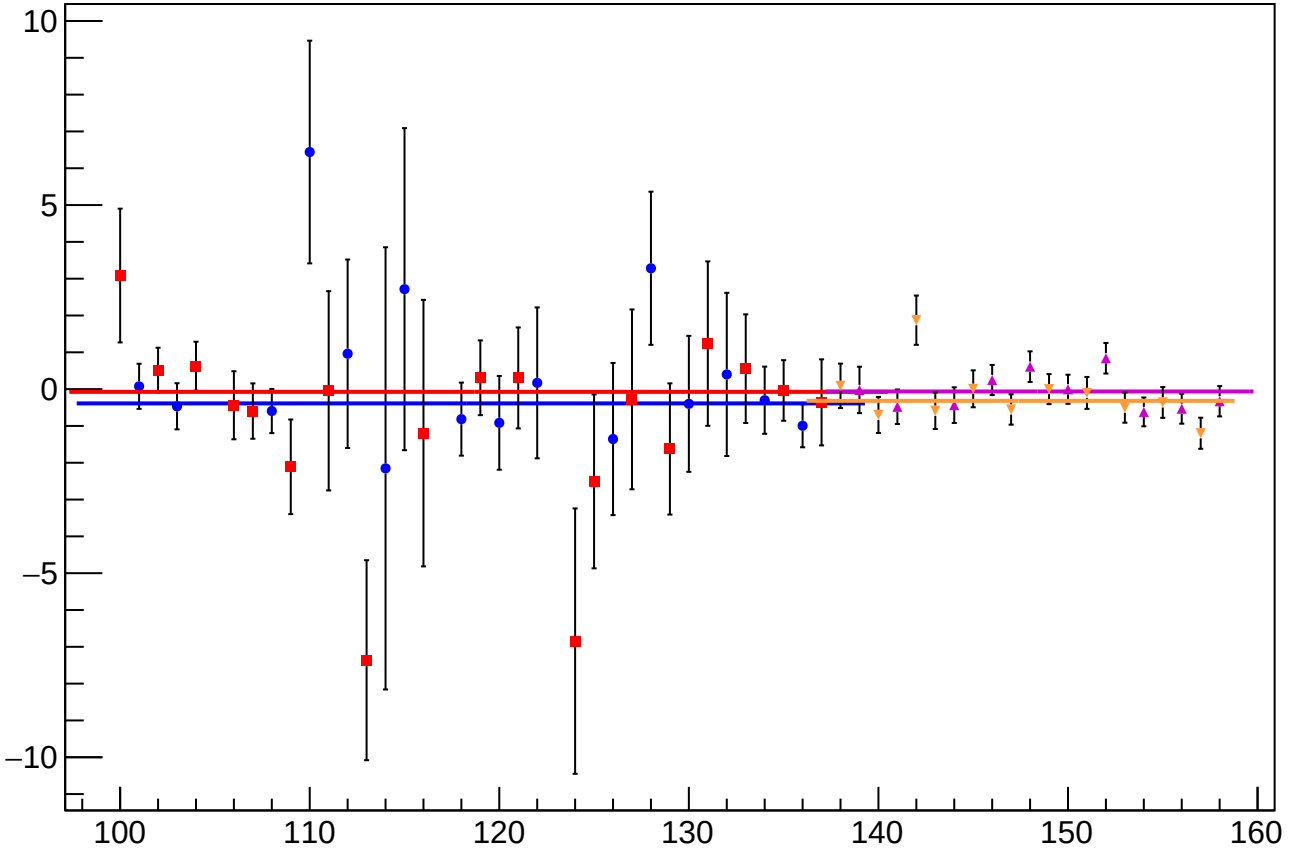
+ sign -11.741+/-2.634 χ^2/NDF: 53.8/26

All: -8.248+/-1.883 χ^2/NDF: 81.1/55

- sign -4.594+/-2.694 χ^2/NDF: 23.8/28


diff_bpm_4aX_4ecX_avg_rms vs Slug
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
Right In: 13235.828+/-3.585 χ²/NDF: 673887.0/15
Left Out: 8961.138+/-2.180 χ²/NDF:323263.6/10
Right Out: 14016.035+/-3.696 χ²/NDF: 498592.9/18
Left In: 9198.598+/-2.223 χ²/NDF:236622.3/9
+ sign 10115.054+/-1.862 χ²/NDF: 2035416.5/26
All: 10292.407+/-1.332 χ²/NDF: 4036688.5/5
- sign 10477.942+/-1.905 χ²/NDF: 1982716.1/28

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.318+/-0.139 χ^2/NDF:18.2/10

Right Out: -0.075+/-0.265 χ^2/NDF: 21.7/18

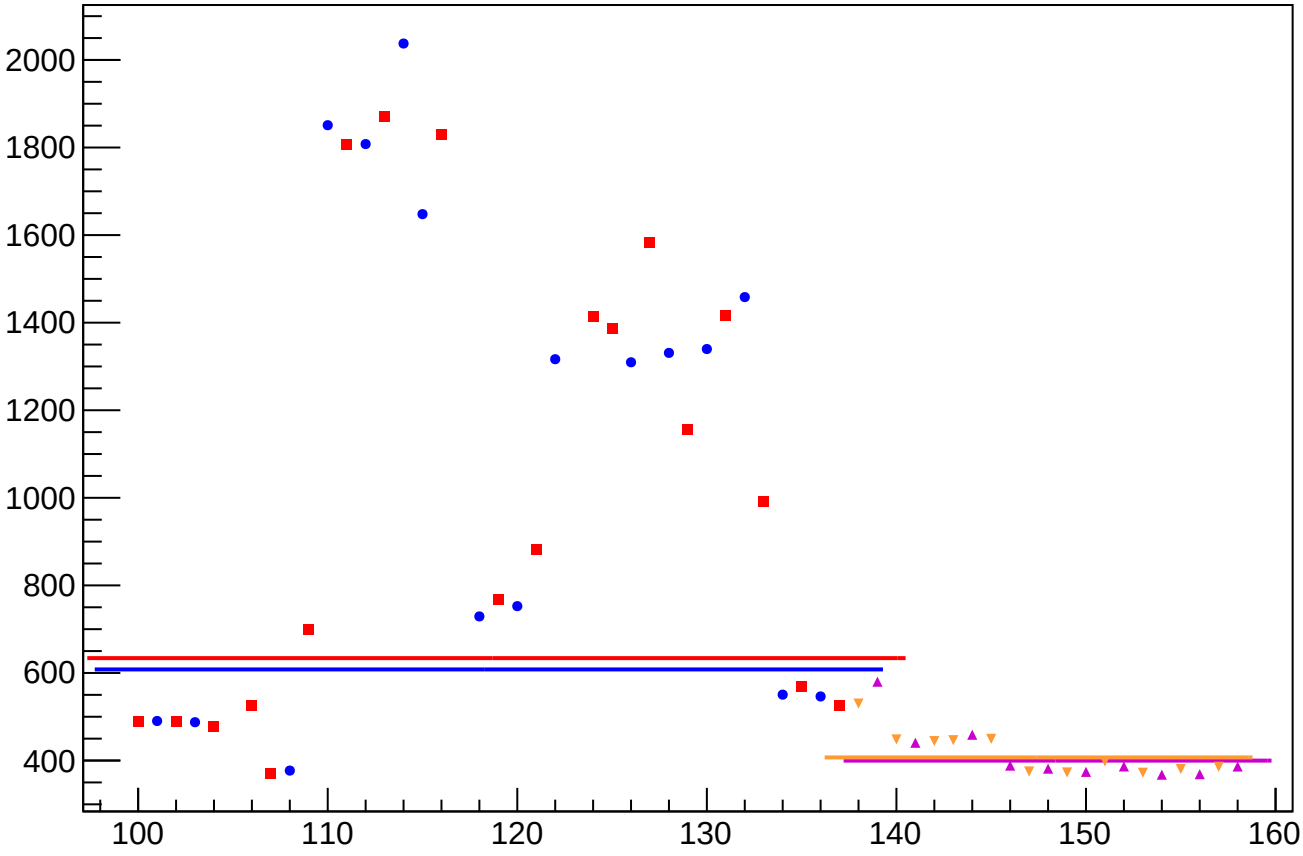
Left In: -0.064+/-0.136 χ^2/NDF:13.1/9

+ sign -0.334+/-0.122 χ^2/NDF: 29.9/26

All: -0.199+/-0.086 χ^2/NDF: 67.1/55

- sign -0.066+/-0.121 χ^2/NDF: 34.8/28

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 407.058+/-0.098 χ^2/NDF:185248.9/10

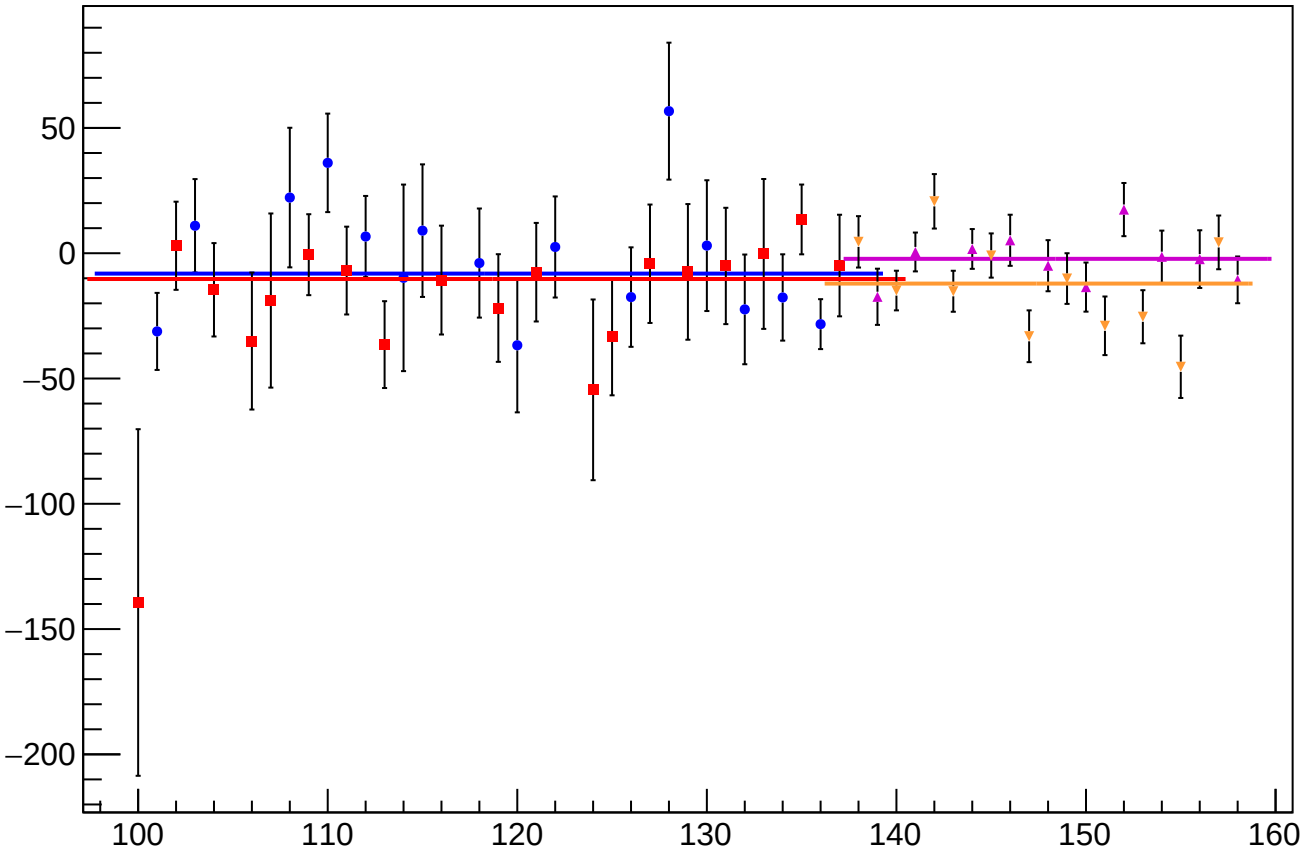
Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 399.823+/-0.096 χ^2/NDF:251301.1/9

+ sign 452.942+/-0.086 χ^2/NDF: 3991733.0/26

All: 450.958+/-0.061 χ^2/NDF: 8269400.6/55

- sign 449.004+/-0.086 χ^2/NDF: 4276621.1/28



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -12.117+/-2.985 χ^2/NDF:30.9/10

Right Out: -10.288+/-4.873 χ^2/NDF: 13.7/18

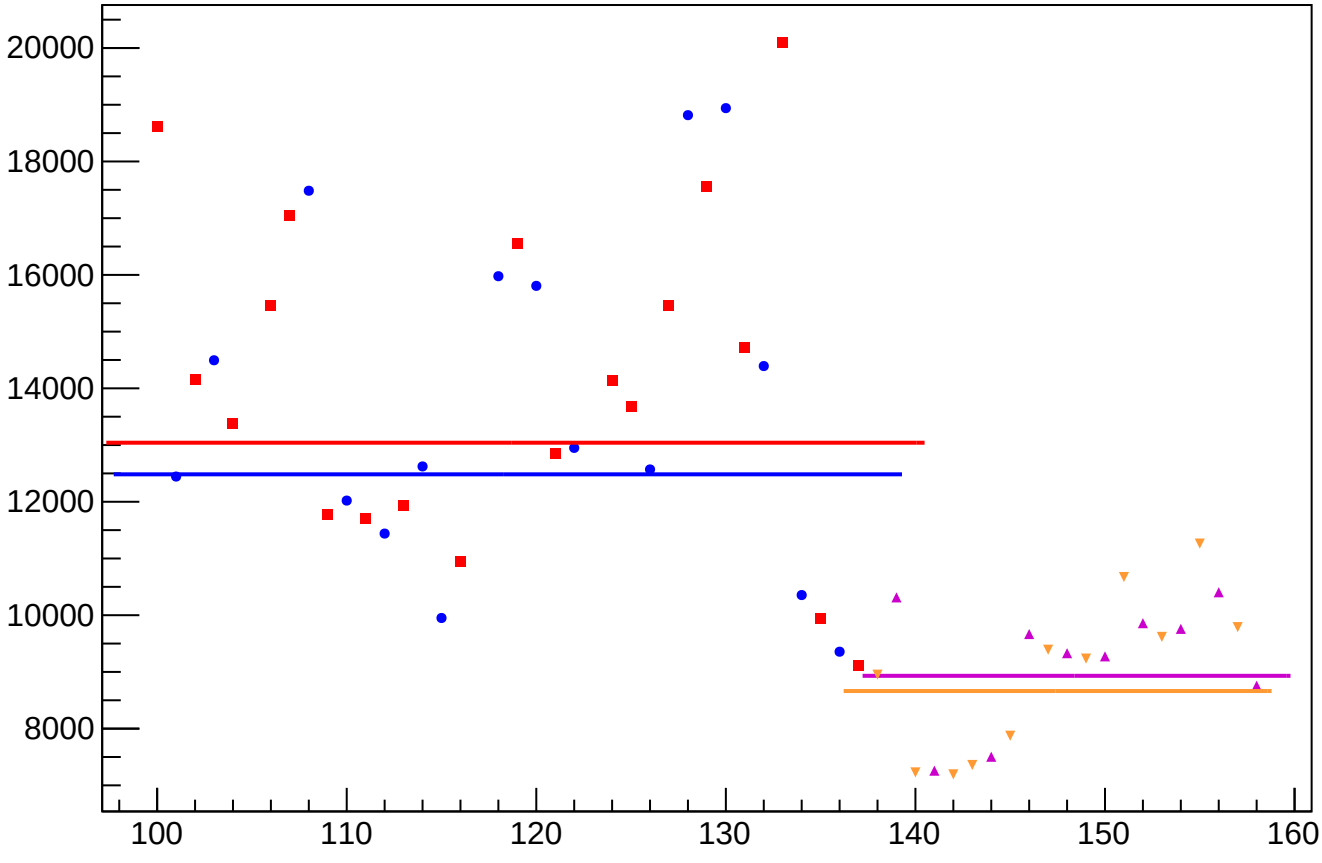
Left In: -2.239+/-3.054 χ^2/NDF:8.4/9

+ sign -10.999+/-2.531 χ^2/NDF: 54.6/26

All: -7.826+/-1.810 χ^2/NDF: 81.8/55

- sign -4.509+/-2.588 χ^2/NDF: 24.0/28

diff_bpm_4eX_4ecX_avg_rms vs Slug



Right In: 12483.955+/-3.379 χ^2/NDF: 671560.0/15

Left Out: 8663.213+/-2.110 χ^2/NDF:371762.5/10

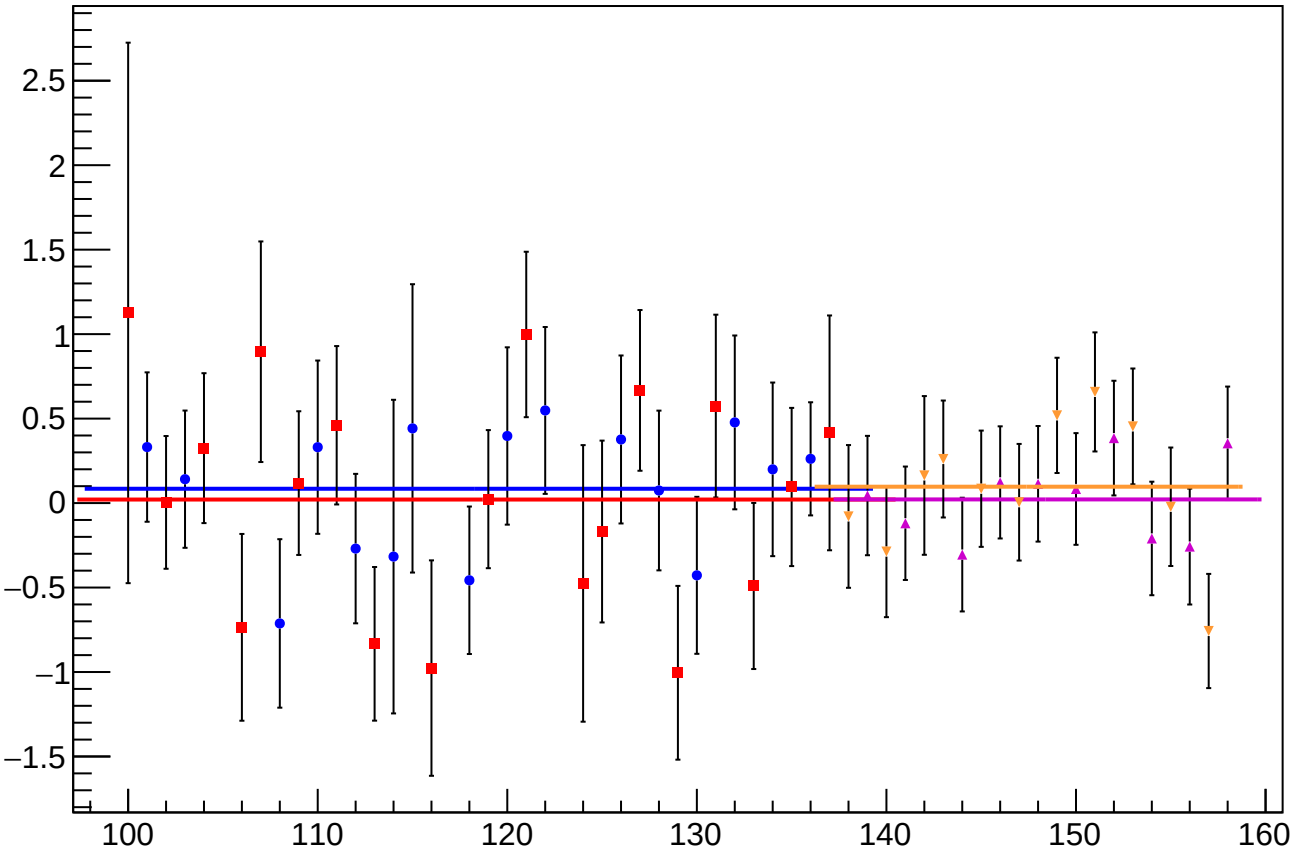
Right Out: 13041.241+/-3.446 χ^2/NDF: 544486.8/18

Left In: 8931.308+/-2.160 χ^2/NDF:265305.5/9

+ sign 9735.222+/-1.790 χ^2/NDF: 1962967.5/26

All: 9908.916+/-1.280 χ^2/NDF: 3813277.9/55

- sign 10090.475+/-1.830 χ^2/NDF: 1831052.4/28



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.097+/-0.109 χ^2/NDF:13.1/10

Right Out: 0.021+/-0.117 χ^2/NDF: 24.3/18

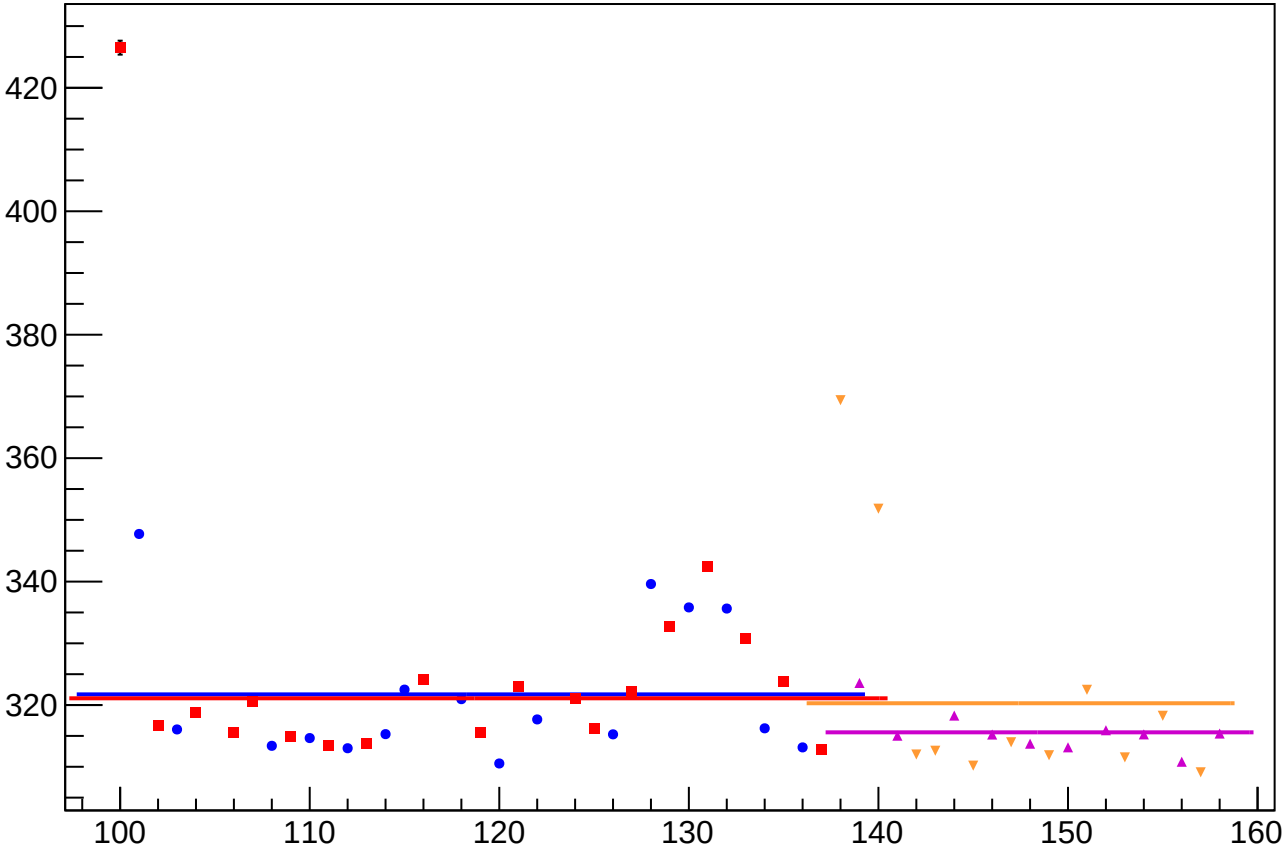
Left In: 0.022+/-0.107 χ^2/NDF:4.6/9

+ sign 0.091+/-0.081 χ^2/NDF: 22.5/26

All: 0.056+/-0.057 χ^2/NDF: 51.8/55

- sign 0.021+/-0.079 χ^2/NDF: 28.9/28

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 320.291+/-0.077 χ^2/NDF:49075.3/10

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

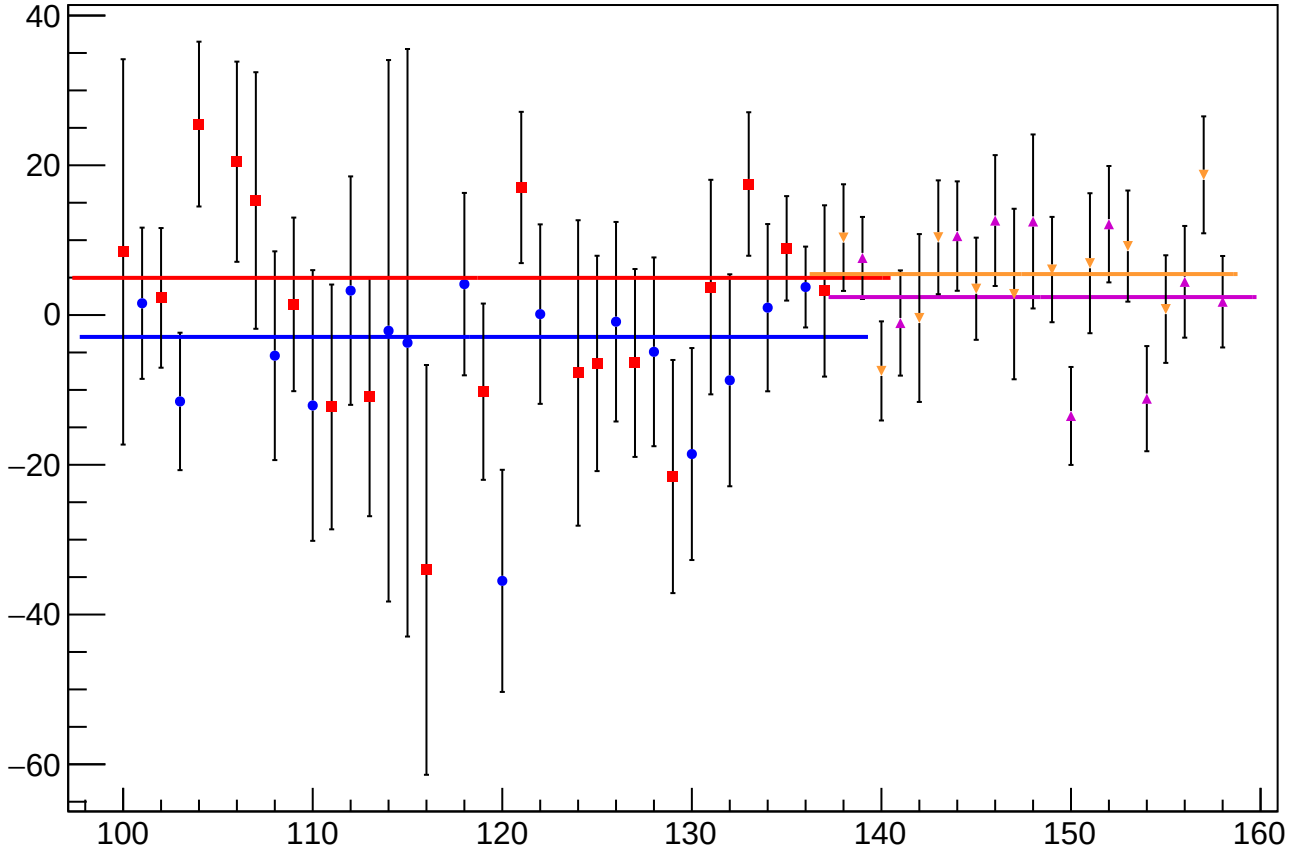
Left In: 315.580+/-0.076 χ^2/NDF:1719.6/9

+ sign 320.940+/-0.057 χ^2/NDF: 67446.6/26

All: 319.479+/-0.040 χ^2/NDF: 89435.0/55

- sign 318.078+/-0.056 χ^2/NDF: 20706.7/28

diff_bpm_4aY_4acY_avg_mean vs Slug



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

Left Out: 5.472+/-2.340 χ^2/NDF:8.7/10

Right Out: 4.965+/-2.824 χ^2/NDF: 19.4/18

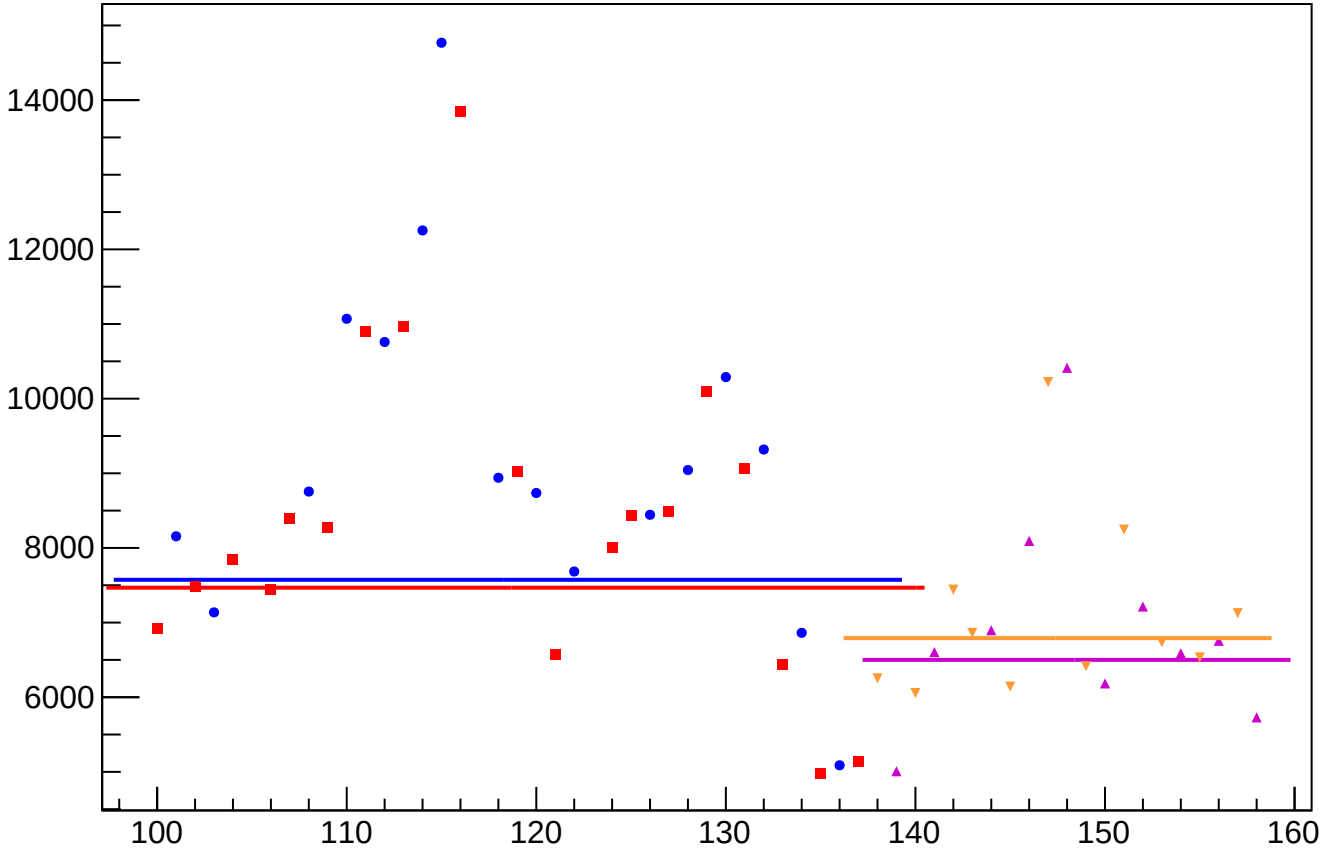
Left In: 2.400+/-2.249 χ^2/NDF:15.8/9

+ sign 2.175+/-1.824 χ^2/NDF: 23.6/26

All: 2.807+/-1.266 χ^2/NDF: 59.5/55

- sign 3.396+/-1.759 χ^2/NDF: 35.7/28

diff_bpm_4aY_4acY_avg_rms vs Slug



Right In: 7573.161+/-2.058 χ^2/NDF: 897588.4/15

Left Out: 6791.763+/-1.655 χ^2/NDF:303136.4/10

Right Out: 7467.477+/-1.997 χ^2/NDF: 828353.3/18

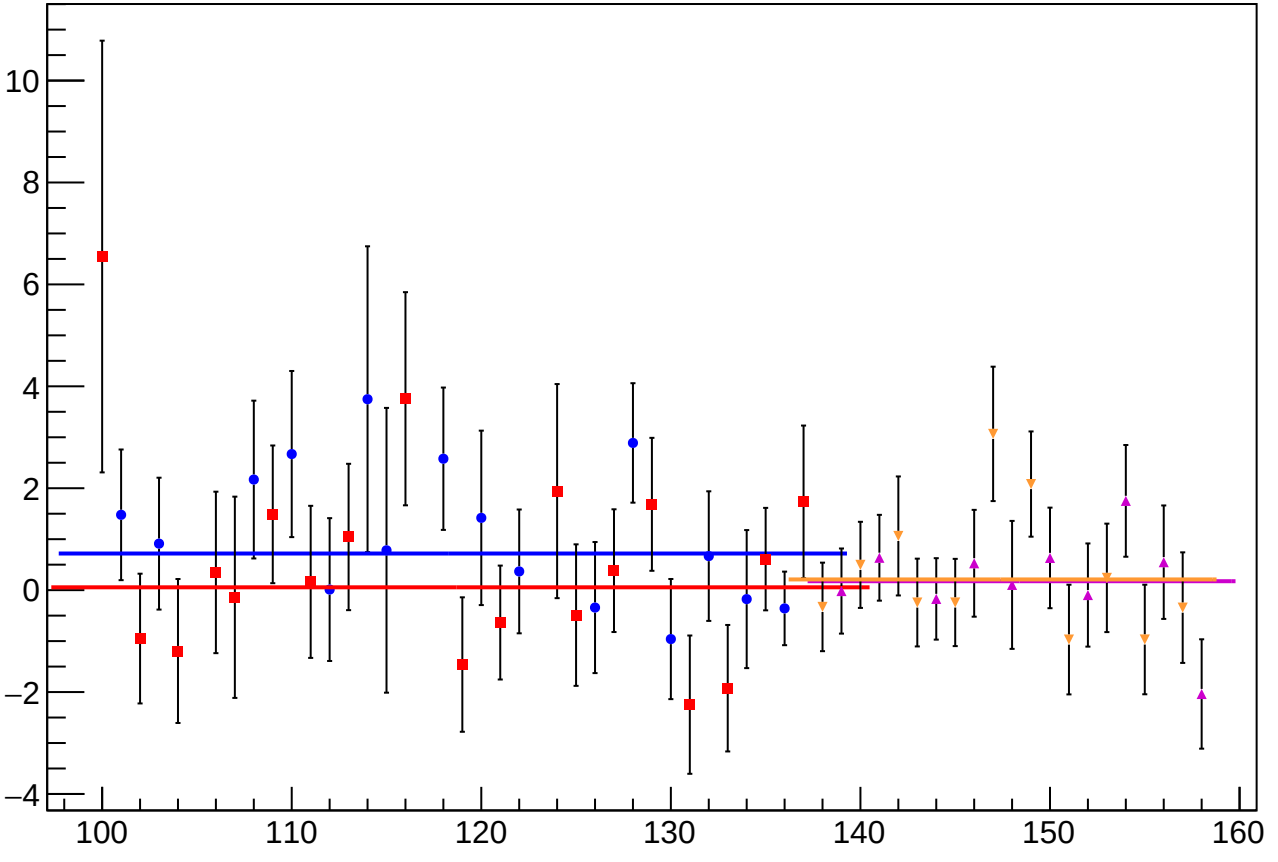
Left In: 6499.950+/-1.590 χ^2/NDF:503974.4/9

+ sign 7098.628+/-1.290 χ^2/NDF: 1288281.6/26

All: 6982.976+/-0.895 χ^2/NDF: 2779802.8/55

- sign 6875.382+/-1.244 χ^2/NDF: 1475996.9/28

diff_bpm_4aY_4acY_dd_mean vs Slug



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: 0.210+/-0.300 χ^2/NDF:12.2/10

Right Out: 0.056+/-0.323 χ^2/NDF: 19.8/18

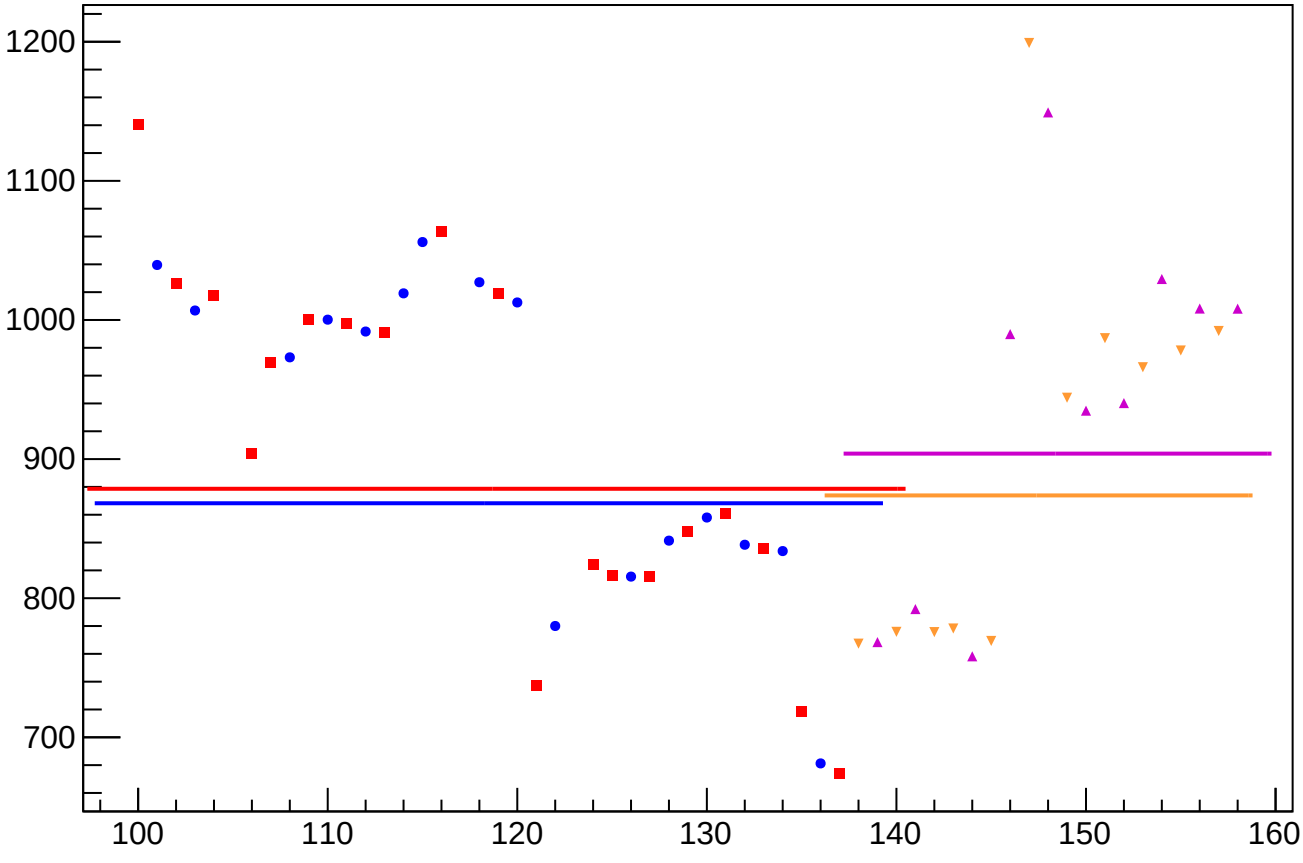
Left In: 0.175+/-0.309 χ^2/NDF:7.4/9

+ sign 0.443+/-0.221 χ^2/NDF: 28.3/26

All: 0.283+/-0.157 χ^2/NDF: 56.7/55

- sign 0.118+/-0.223 χ^2/NDF: 27.3/28

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 873.884+/-0.212 χ^2/NDF:336191.2/10

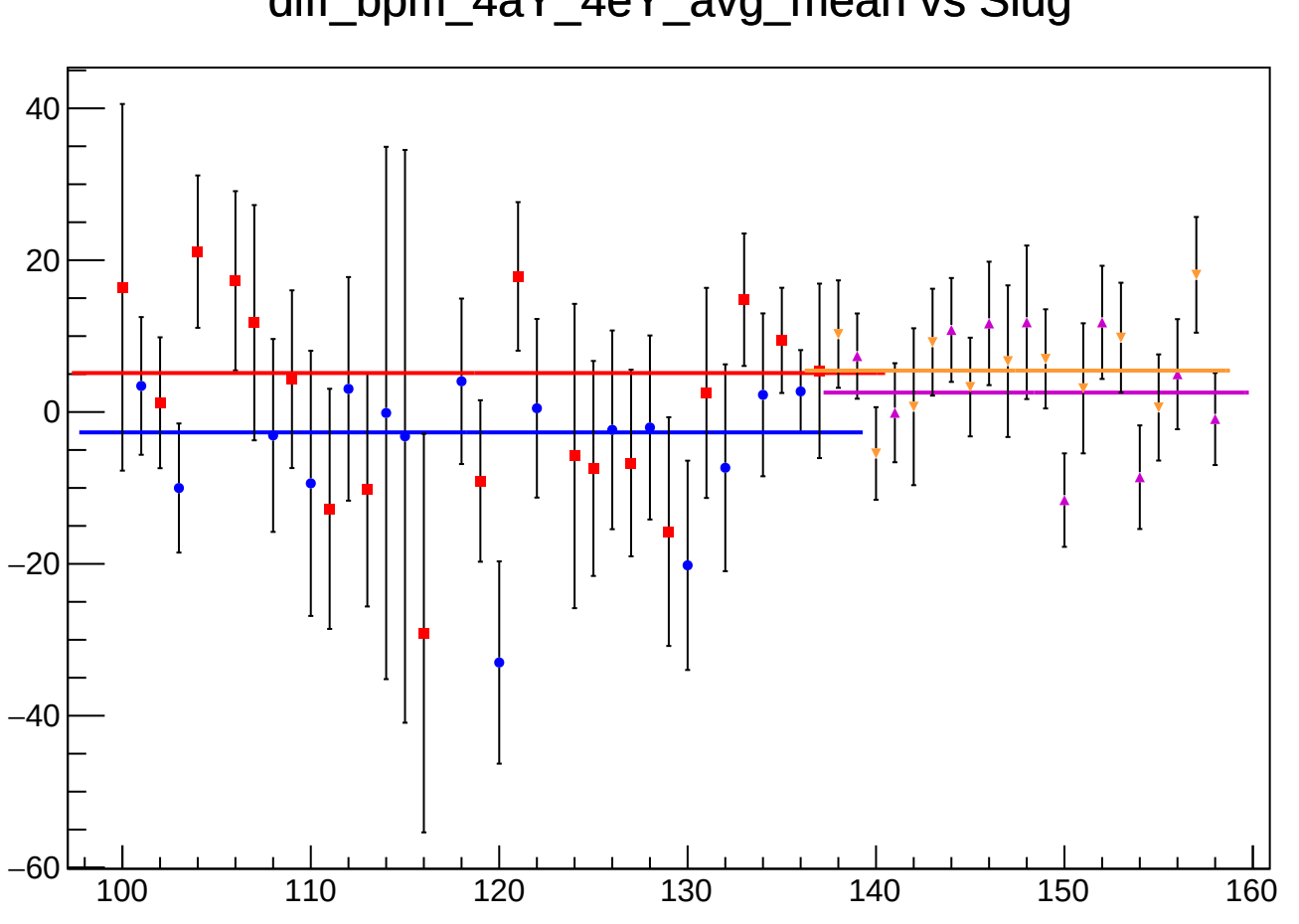
Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

Left In: 903.931+/-0.219 χ^2/NDF:311283.1/9

+ sign 871.305+/-0.156 χ^2/NDF: 638924.5/26

All: 881.449+/-0.111 χ^2/NDF: 1237696.4/55

- sign 891.863+/-0.158 χ^2/NDF: 590197.2/28



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 5.456+/-2.214 χ^2/NDF:8.0/10

Right Out: 5.136+/-2.692 χ^2/NDF: 17.3/18

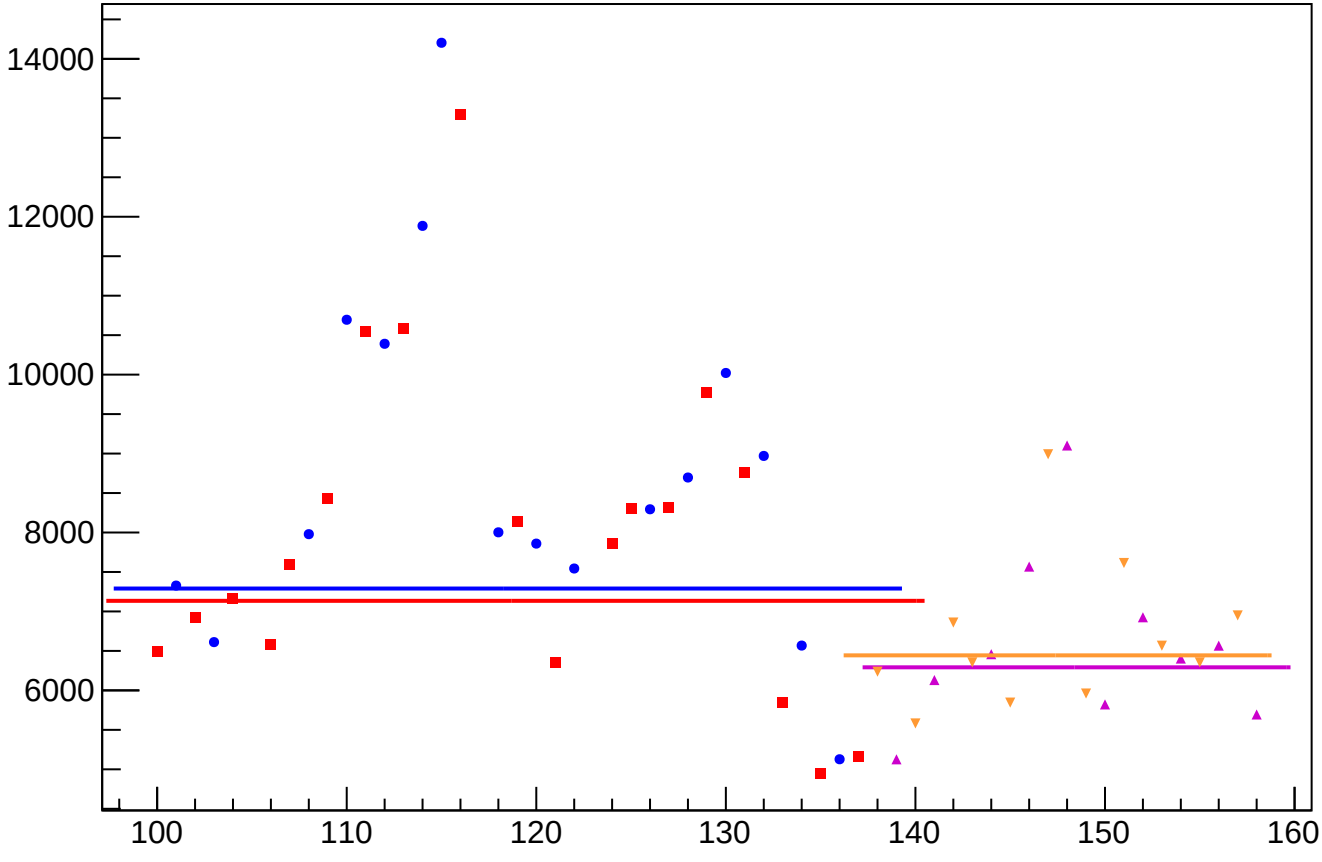
Left In: 2.560+/-2.164 χ^2/NDF:14.4/9

+ sign 2.308+/-1.734 χ^2/NDF: 23.3/26

All: 2.957+/-1.209 χ^2/NDF: 55.8/55

- sign 3.571+/-1.686 χ^2/NDF: 32.2/28

diff_bpm_4aY_4eY_avg_rms vs Slug



Right In: 7290.246+/-1.972 χ^2/NDF: 770518.2/15

Left Out: 6443.782+/-1.566 χ^2/NDF:250352.9/10

Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

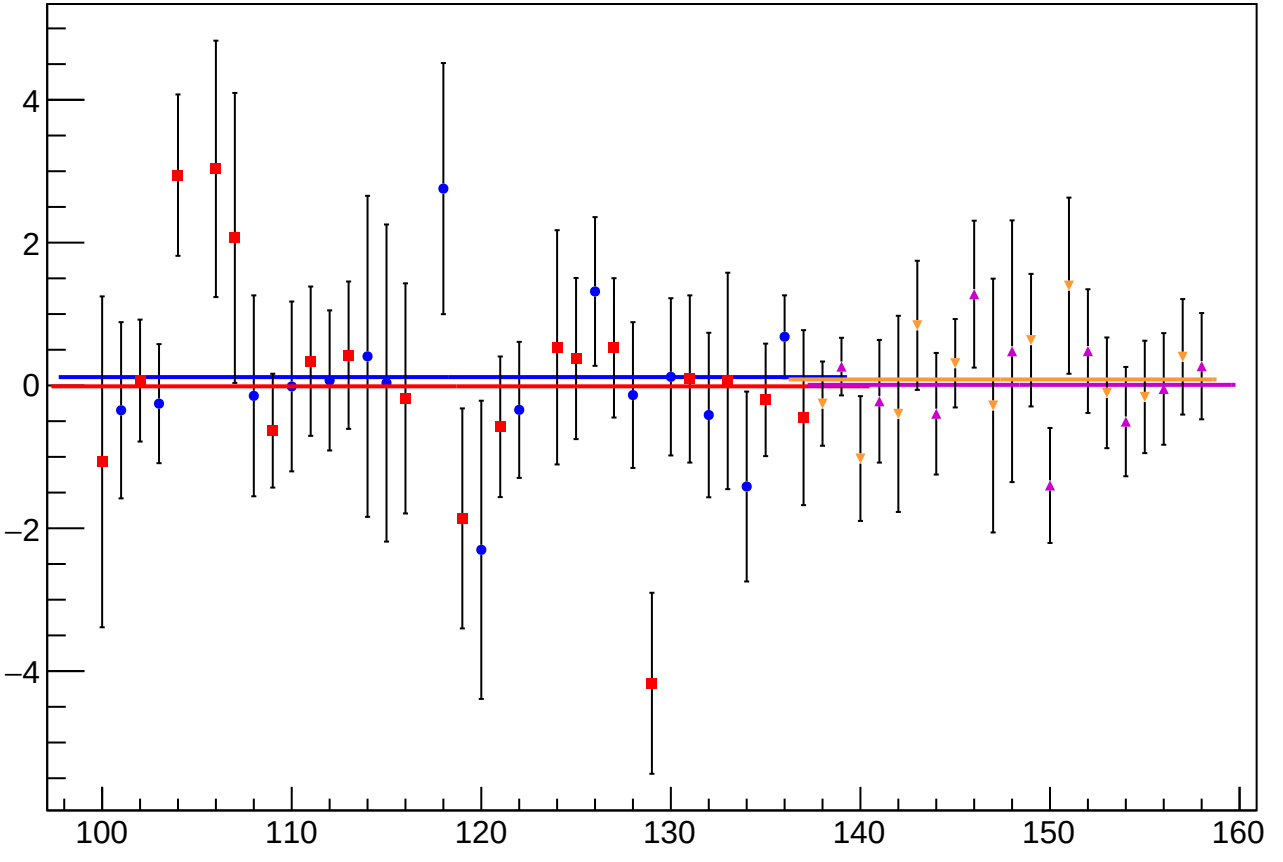
Left In: 6292.127+/-1.530 χ^2/NDF:341211.0/9

+ sign 6771.121+/-1.226 χ^2/NDF: 1133920.1/26

All: 6694.871+/-0.855 χ^2/NDF: 2394396.6/55

- sign 6622.730+/-1.193 χ^2/NDF: 1252949.0/28

diff_bpm_4aY_4eY_dd_mean vs Slug



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: 0.084+/-0.254 χ^2/NDF:4.7/10

Right Out: -0.012+/-0.263 χ^2/NDF: 25.2/18

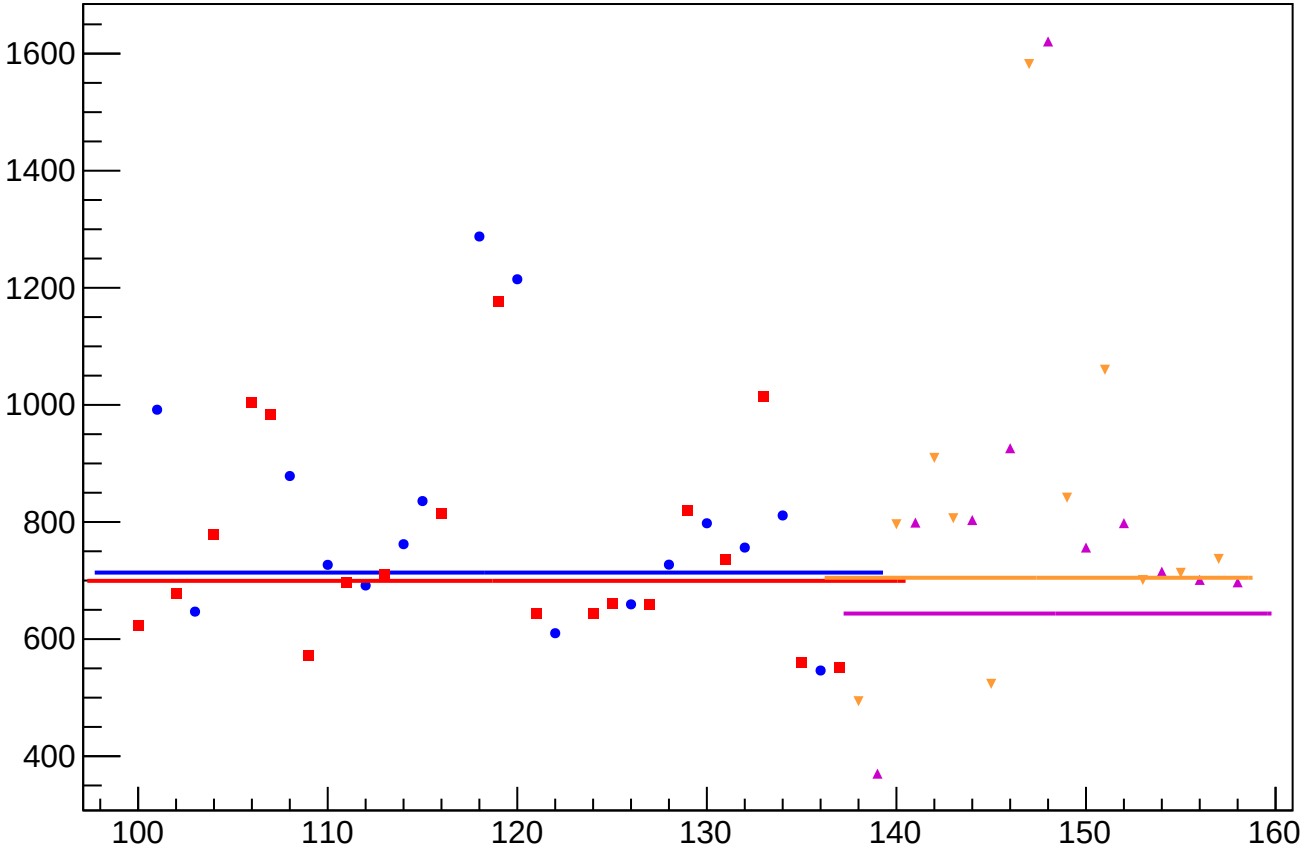
Left In: 0.009+/-0.235 χ^2/NDF:6.2/9

+ sign 0.100+/-0.186 χ^2/NDF: 12.9/26

All: 0.046+/-0.128 χ^2/NDF: 44.4/55

- sign -0.001+/-0.175 χ^2/NDF: 31.4/28

diff_bpm_4aY_4eY_dd_rms vs Slug



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 704.768+/-0.180 χ^2/NDF:1219073.6/10

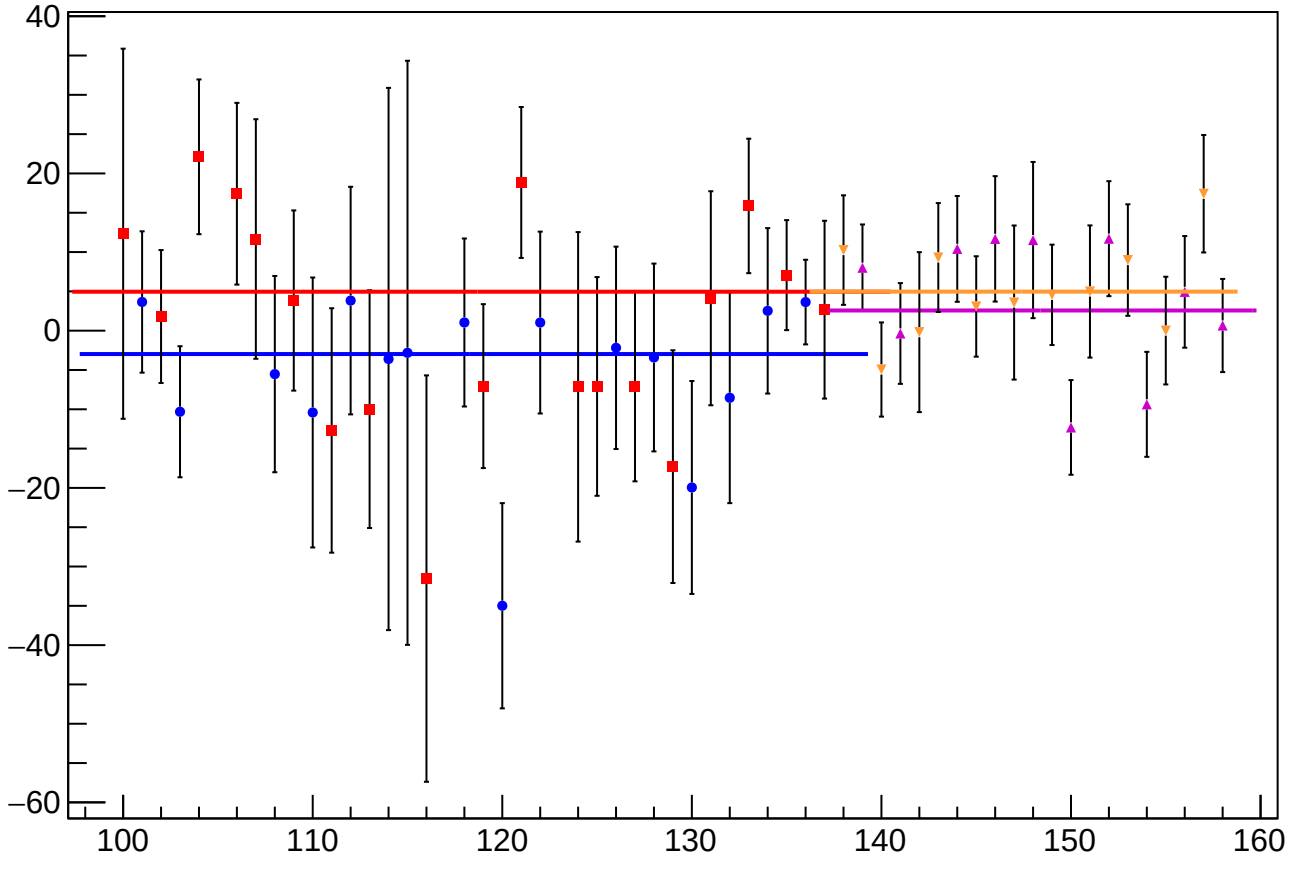
Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

Left In: 643.664+/-0.166 χ^2/NDF:1916215.3/9

+ sign 708.878+/-0.132 χ^2/NDF: 1919505.3/26

All: 687.420+/-0.090 χ^2/NDF: 4511815.5/55

- sign 668.397+/-0.124 χ^2/NDF: 2542118.2/28



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 4.968+/-2.173 χ^2/NDF:7.7/10

Right Out: 4.955+/-2.653 χ^2/NDF: 18.5/18

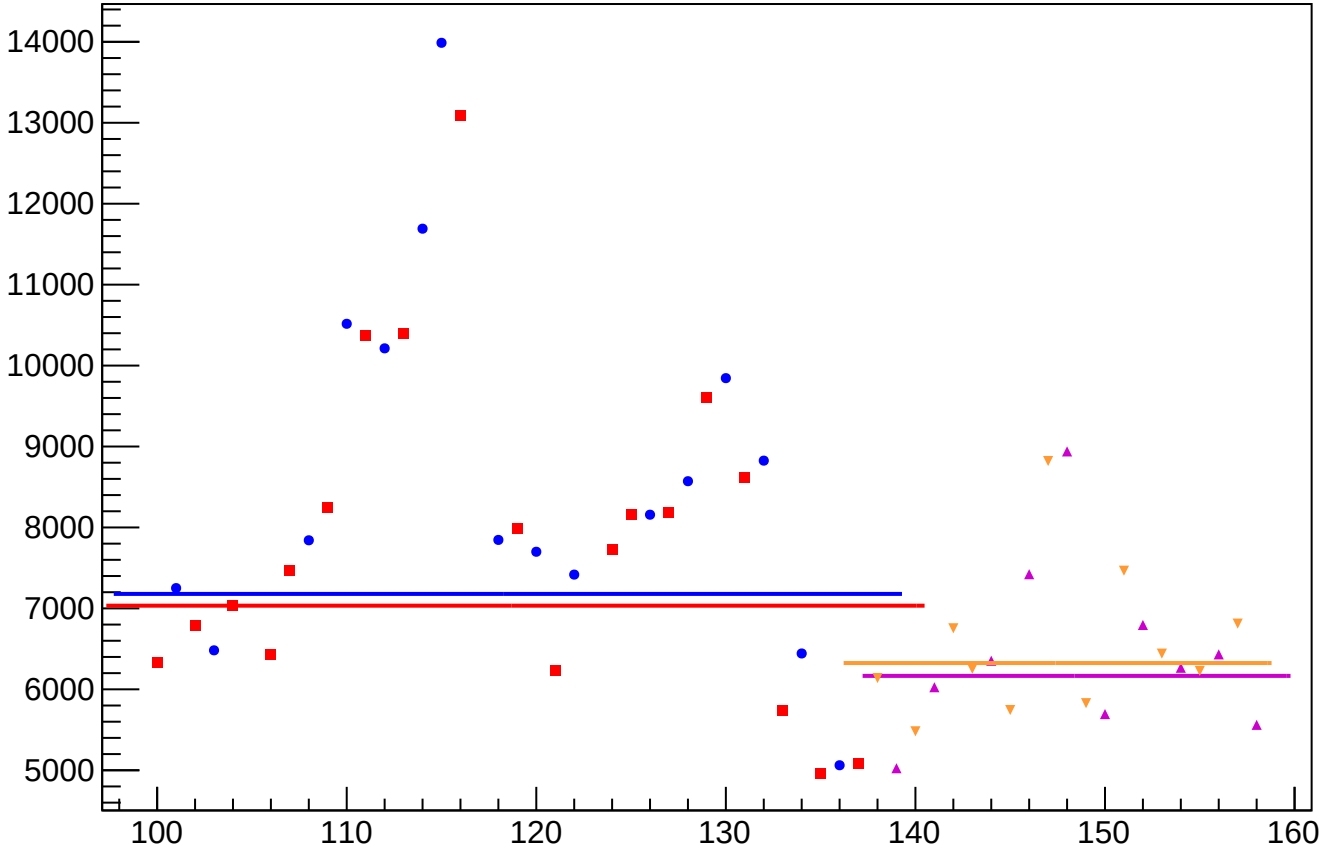
Left In: 2.569+/-2.121 χ^2/NDF:15.7/9

+ sign 1.909+/-1.704 χ^2/NDF: 24.4/26

All: 2.727+/-1.188 χ^2/NDF: 59.6/55

- sign 3.500+/-1.657 χ^2/NDF: 34.7/28

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6324.822+/-1.537 χ^2/NDF:249432.1/10

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

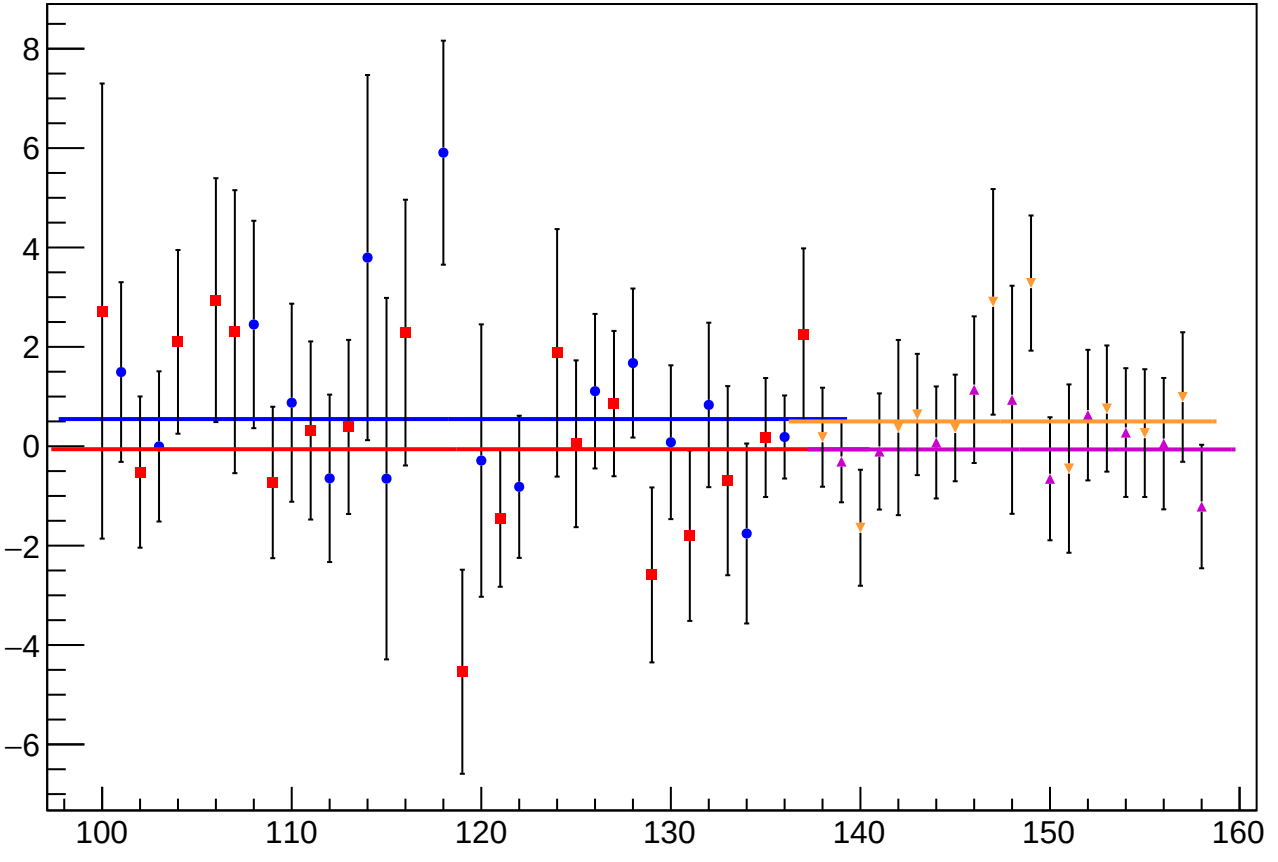
Left In: 6166.006+/-1.500 χ^2/NDF:345126.6/9

+ sign 6653.787+/-1.205 χ^2/NDF: 1130327.0/26

All: 6576.904+/-0.840 χ^2/NDF: 2380217.5/55

- sign 6504.250+/-1.171 χ^2/NDF: 1241973.6/28

diff_bpm_4aY_4ecY_dd_mean vs Slug



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: 0.499+/-0.392 χ^2/NDF:9.3/10

Right Out: -0.059+/-0.409 χ^2/NDF: 16.9/18

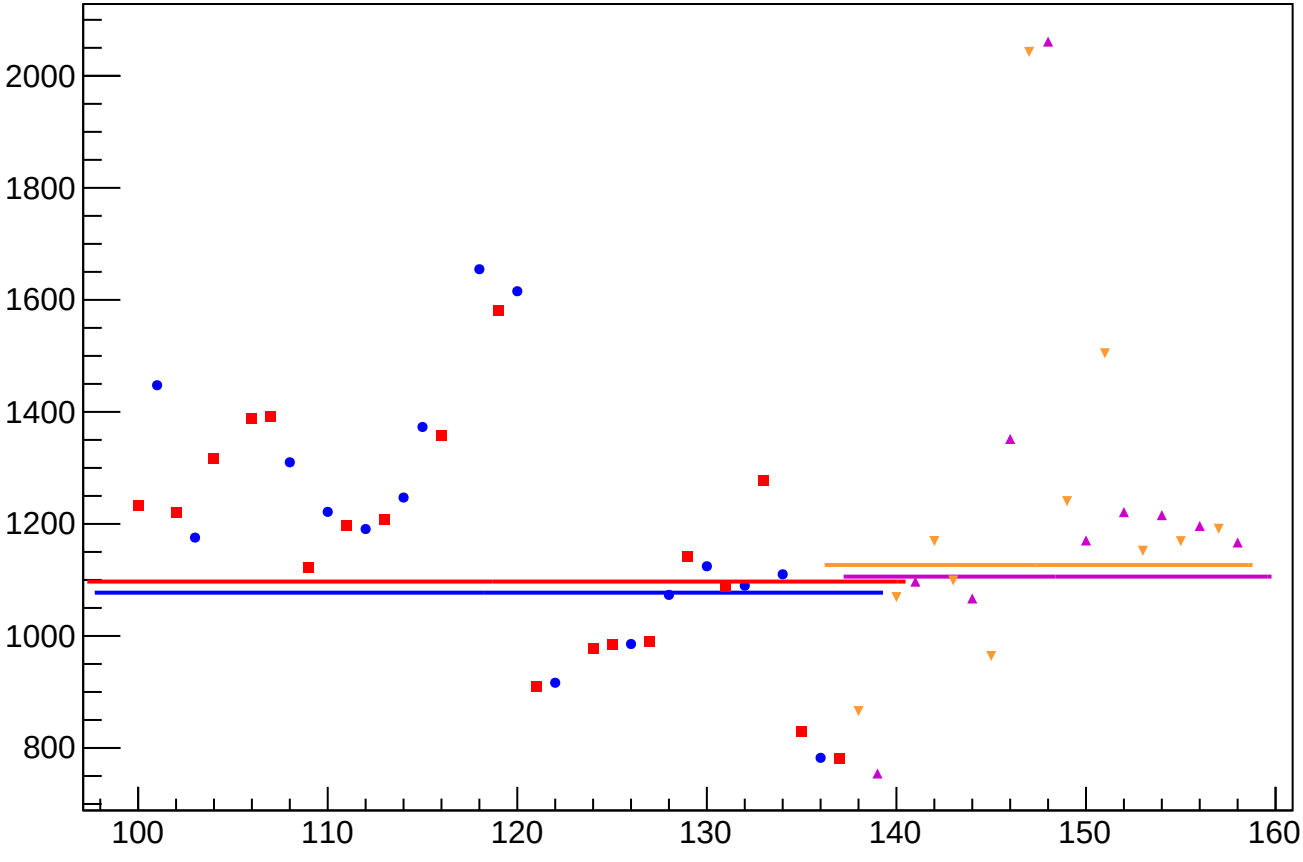
Left In: -0.064+/-0.386 χ^2/NDF:2.4/9

+ sign 0.522+/-0.284 χ^2/NDF: 21.3/26

All: 0.227+/-0.200 χ^2/NDF: 42.7/55

- sign -0.062+/-0.281 χ^2/NDF: 19.3/28

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1126.641+/-0.277 χ^2/NDF:637149.1/10

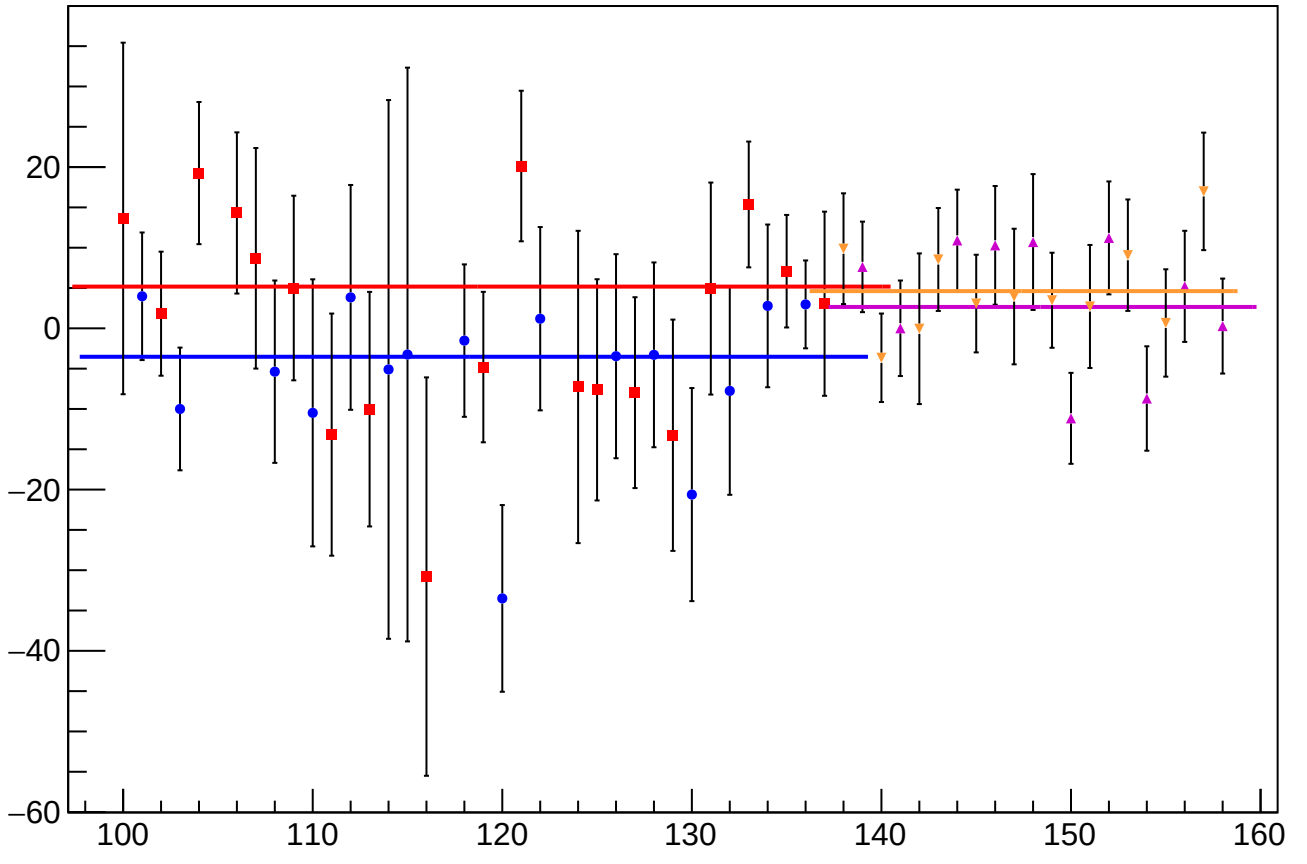
Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

Left In: 1105.931+/-0.273 χ^2/NDF:821206.6/9

+ sign 1103.117+/-0.201 χ^2/NDF: 1298756.9/26

All: 1102.436+/-0.141 χ^2/NDF: 2604849.2/55

- sign 1101.769+/-0.199 χ^2/NDF: 1306069.5/28



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 4.616+/-2.041 χ^2/NDF:7.3/10

Right Out: 5.176+/-2.508 χ^2/NDF: 18.2/18

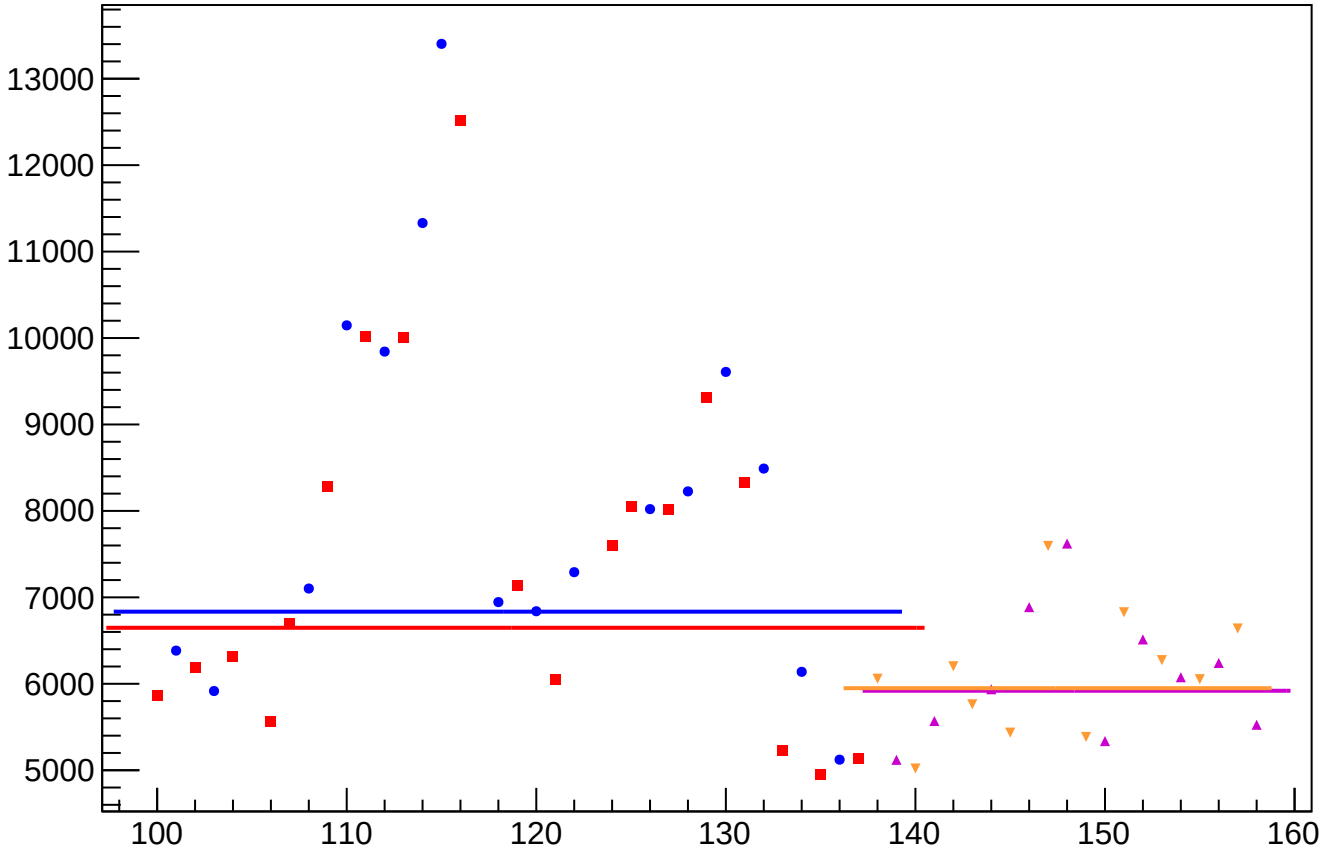
Left In: 2.653+/-2.026 χ^2/NDF:15.6/9

+ sign 1.523+/-1.607 χ^2/NDF: 26.0/26

All: 2.607+/-1.125 χ^2/NDF: 61.2/55

- sign 3.649+/-1.576 χ^2/NDF: 34.4/28

diff_bpm_4eY_4ecY_avg_rms vs Slug



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

Left Out: 5949.222+/-1.443 χ^2/NDF:219736.8/10

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

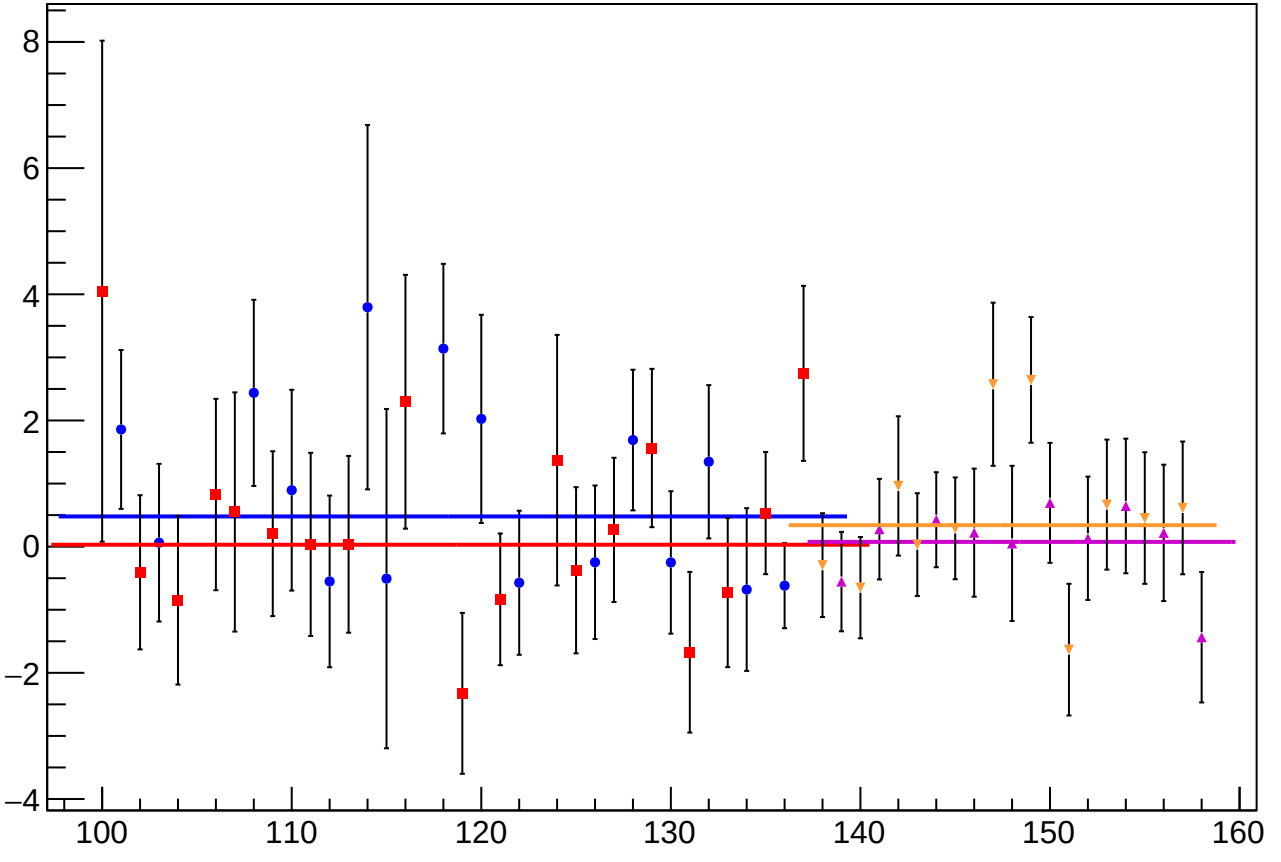
Left In: 5919.484+/-1.433 χ^2/NDF:213827.4/9

+ sign 6285.391+/-1.137 χ^2/NDF: 1055317.6/26

All: 6245.544+/-0.796 χ^2/NDF: 2158761.6/55

- sign 6207.227+/-1.115 χ^2/NDF: 1101032.9/28

diff_bpm_4eY_4ecY_dd_mean vs Slug



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: 0.341+/-0.287 χ^2/NDF:14.7/10

Right Out: 0.030+/-0.309 χ^2/NDF: 15.7/18

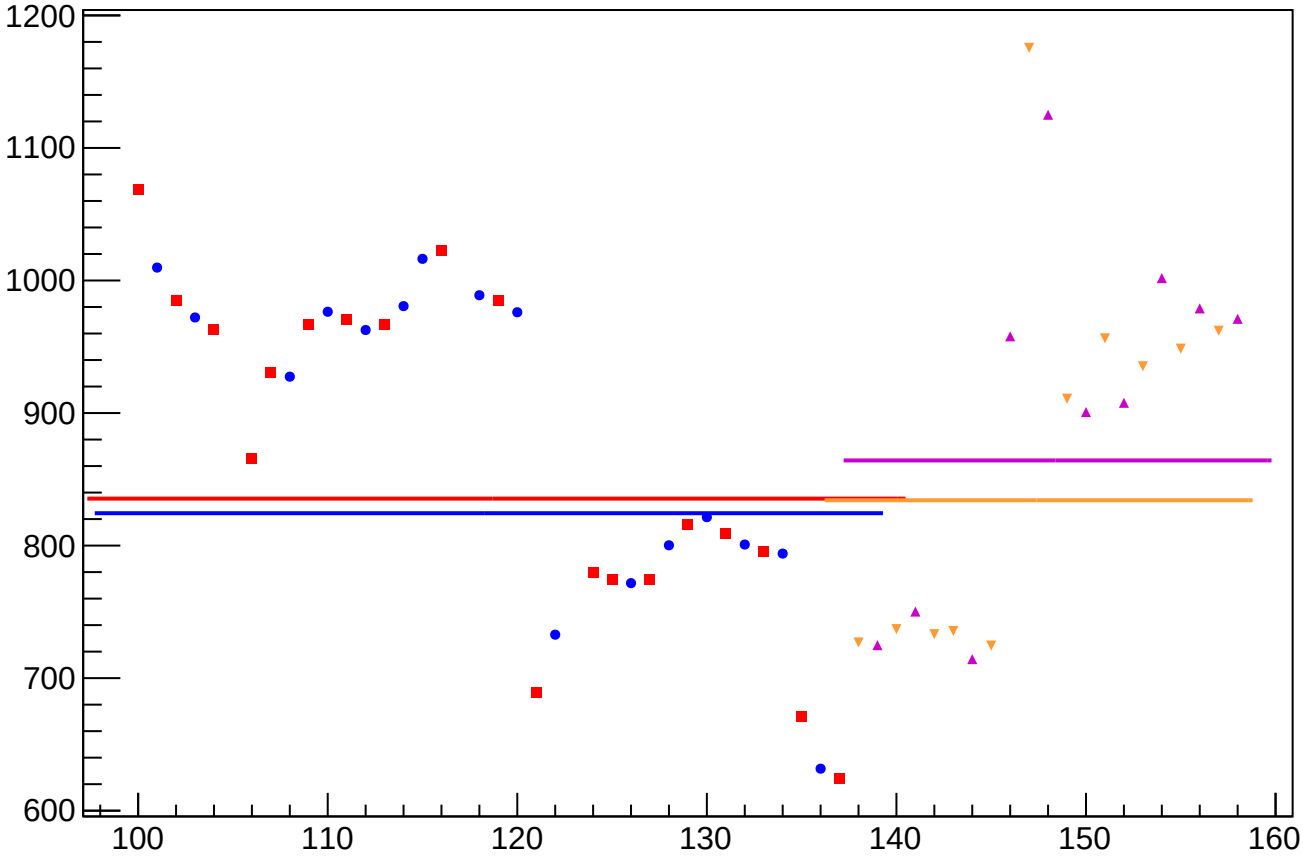
Left In: 0.076+/-0.296 χ^2/NDF:3.8/9

+ sign 0.404+/-0.211 χ^2/NDF: 31.5/26

All: 0.231+/-0.150 χ^2/NDF: 52.4/55

- sign 0.054+/-0.214 χ^2/NDF: 19.5/28

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 834.191+/-0.203 χ^2/NDF:397823.3/10

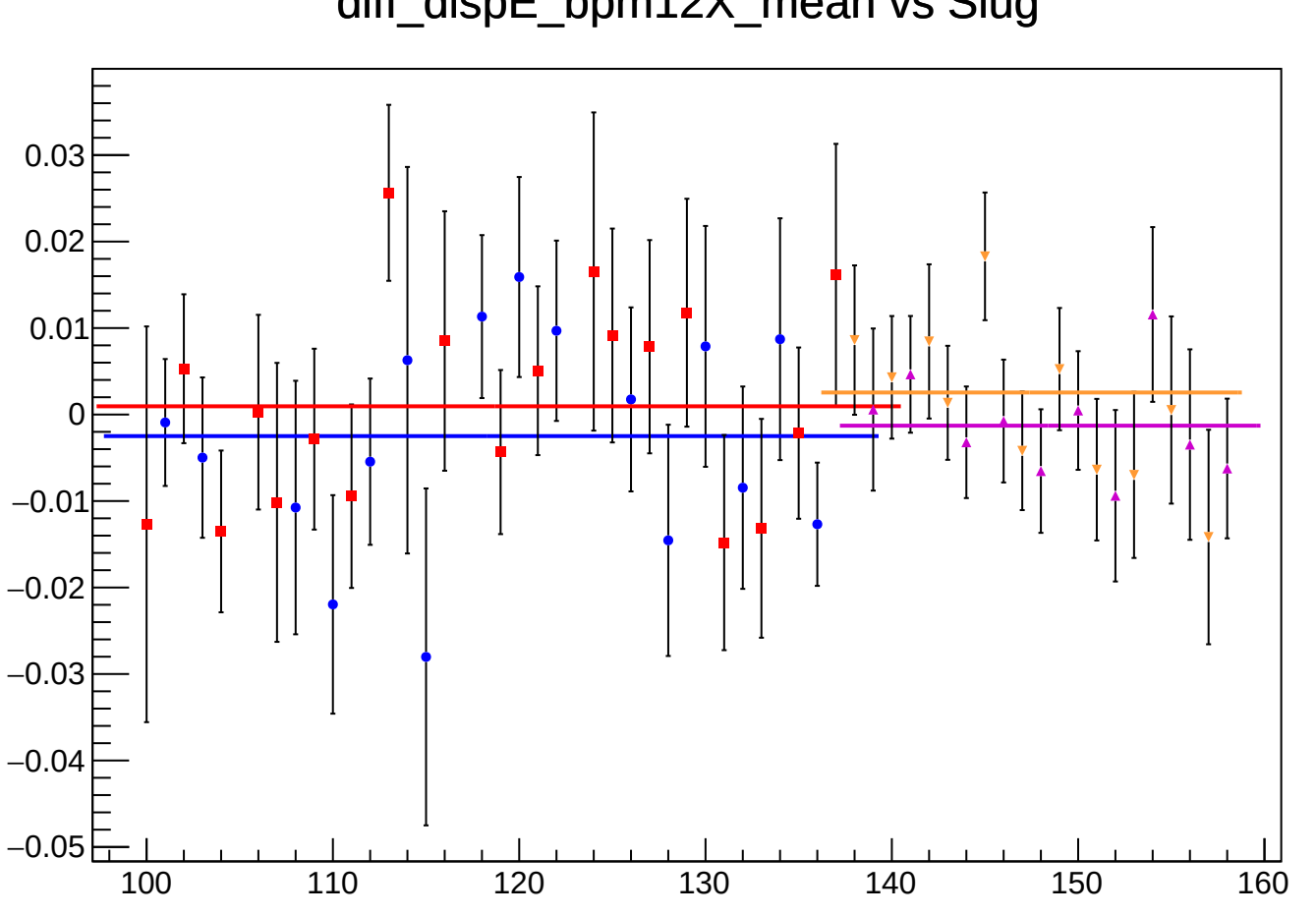
Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

Left In: 864.249+/-0.209 χ^2/NDF:373788.6/9

+ sign 829.707+/-0.149 χ^2/NDF: 764351.3/26

All: 839.923+/-0.106 χ^2/NDF: 1476061.6/55

- sign 850.433+/-0.151 χ^2/NDF: 702167.7/28



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.003+/-0.002 χ^2/NDF:10.7/10

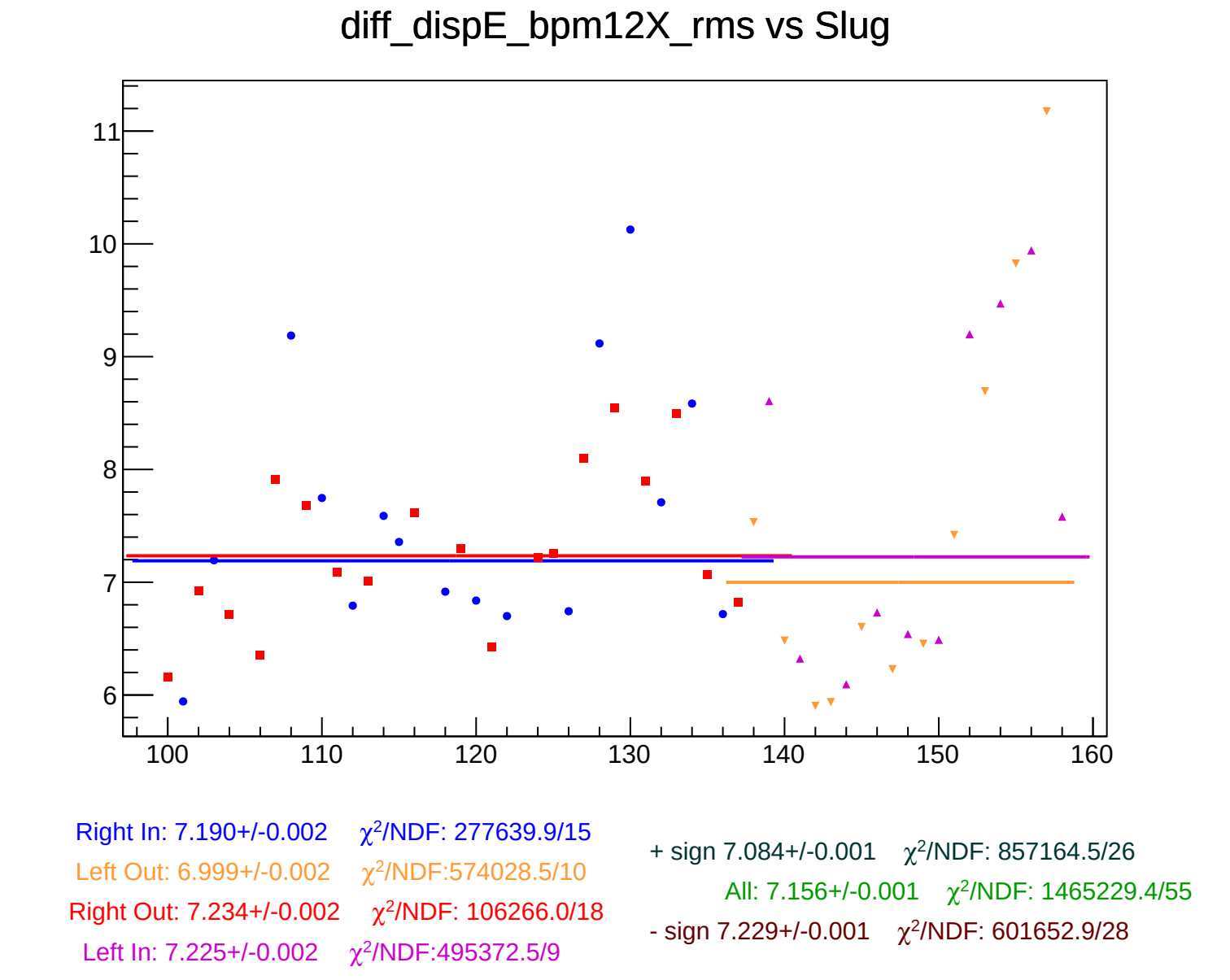
Right Out: 0.001+/-0.003 χ^2/NDF: 17.3/18

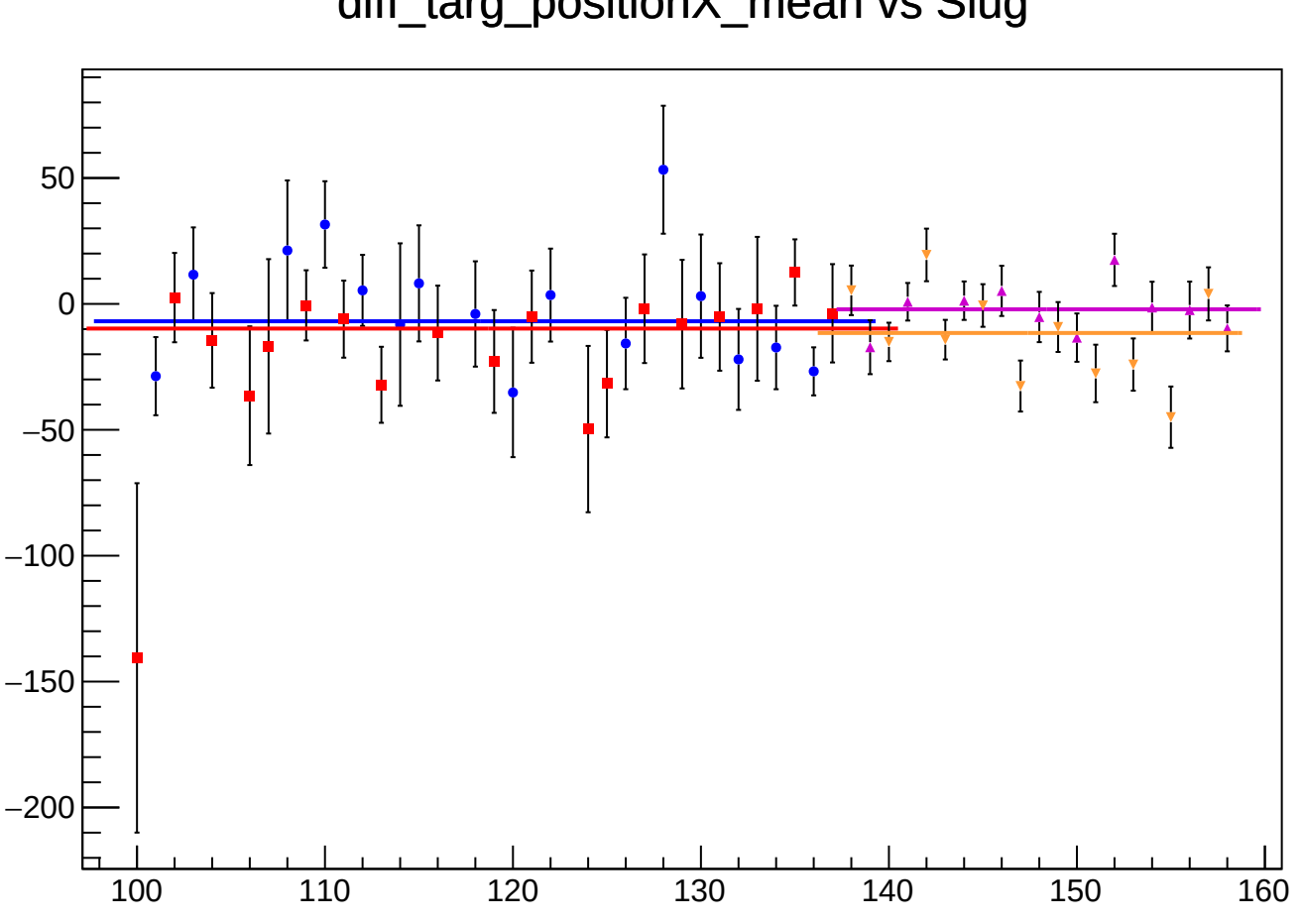
Left In: -0.001+/-0.002 χ^2/NDF:4.2/9

+ sign 0.000+/-0.002 χ^2/NDF: 27.9/26

All: 0.000+/-0.001 χ^2/NDF: 49.9/55

- sign -0.000+/-0.002 χ^2/NDF: 21.9/28


diff_dispE_bpm12X_rms vs Slug
11
10
9
8
7
6
100
110
120
130
140
150
160
Right In: 7.190+/-0.002 χ²/NDF: 277639.9/15
Left Out: 6.999+/-0.002 χ²/NDF:574028.5/10
Right Out: 7.234+/-0.002 χ²/NDF: 106266.0/18
Left In: 7.225+/-0.002 χ²/NDF:495372.5/9
+ sign 7.084+/-0.001 χ²/NDF: 857164.5/26
All: 7.156+/-0.001 χ²/NDF: 1465229.4/55
- sign 7.229+/-0.001 χ²/NDF: 601652.9/28



Right In: -6.891+/-4.488 χ^2/NDF: 23.0/15

Left Out: -11.544+/-2.894 χ^2/NDF:31.3/10

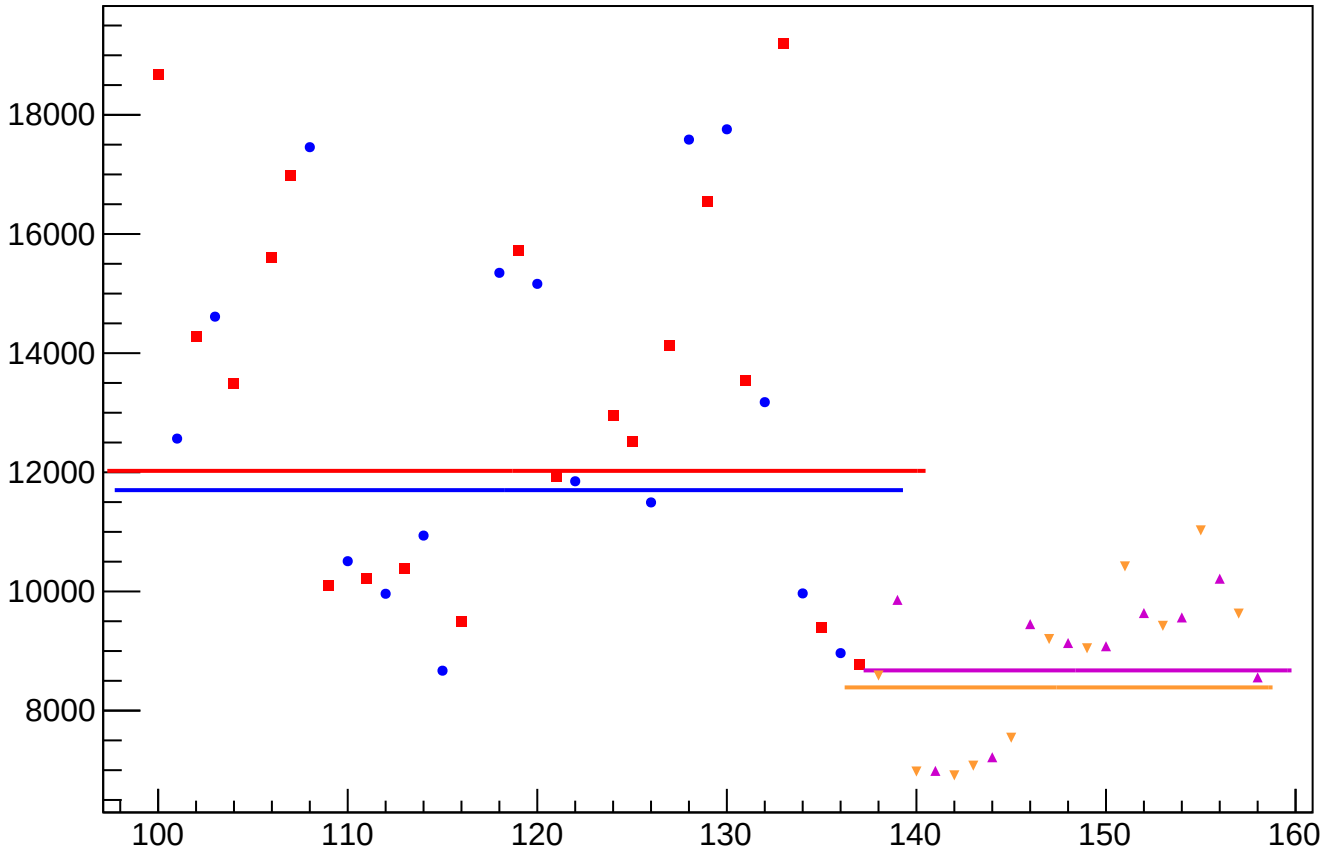
Right Out: -9.790+/-4.517 χ^2/NDF: 14.0/18

Left In: -2.158+/-2.969 χ^2/NDF:8.6/9

+ sign -10.178+/-2.432 χ^2/NDF: 55.1/26

All: -7.376+/-1.737 χ^2/NDF: 82.4/55

- sign -4.460+/-2.481 χ^2/NDF: 24.6/28



Right In: 11700.622+/-3.174 χ^2/NDF: 740185.3/15

Left Out: 8389.425+/-2.046 χ^2/NDF:411001.3/10

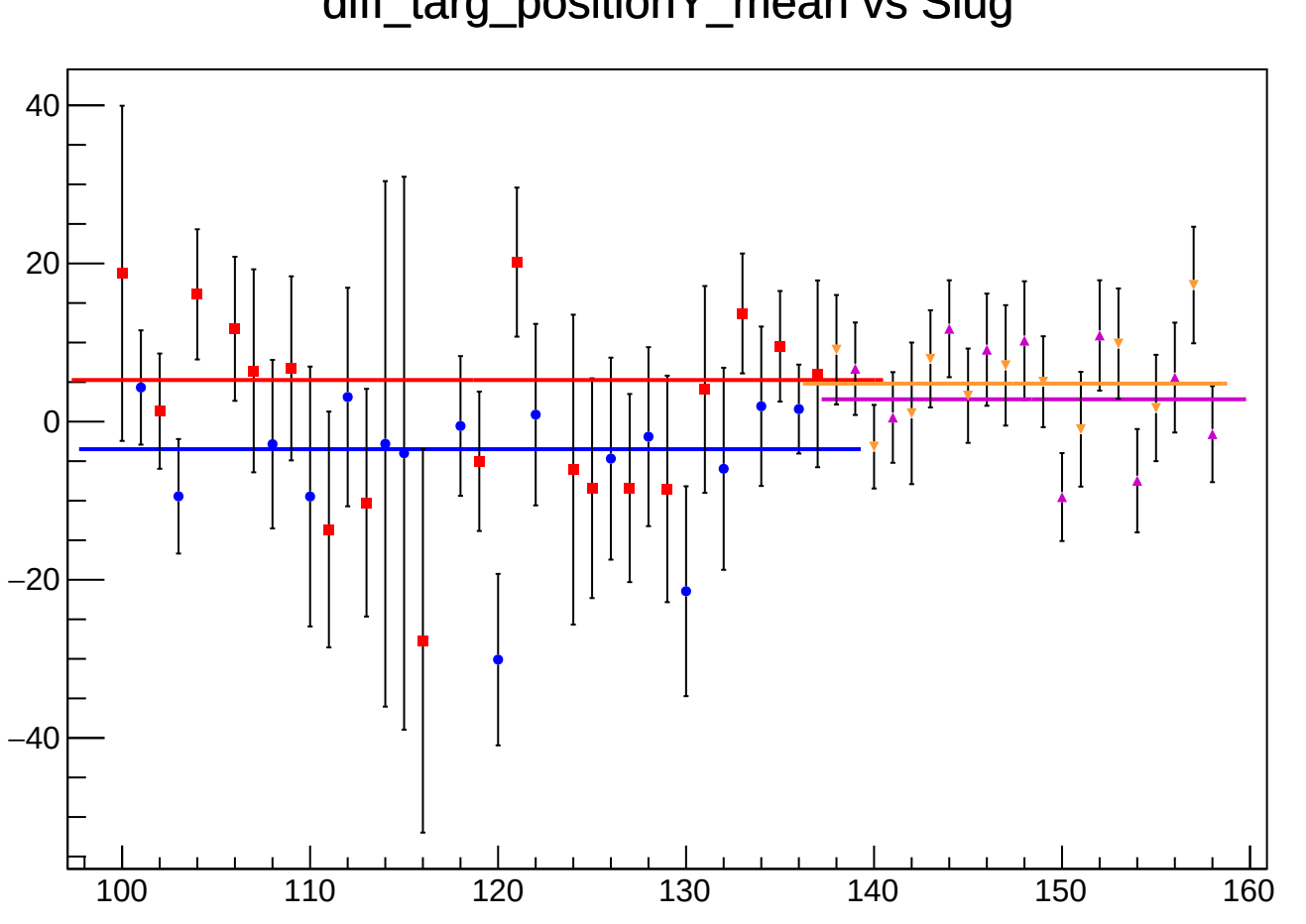
Right Out: 12024.262+/-3.194 χ^2/NDF: 684788.9/18

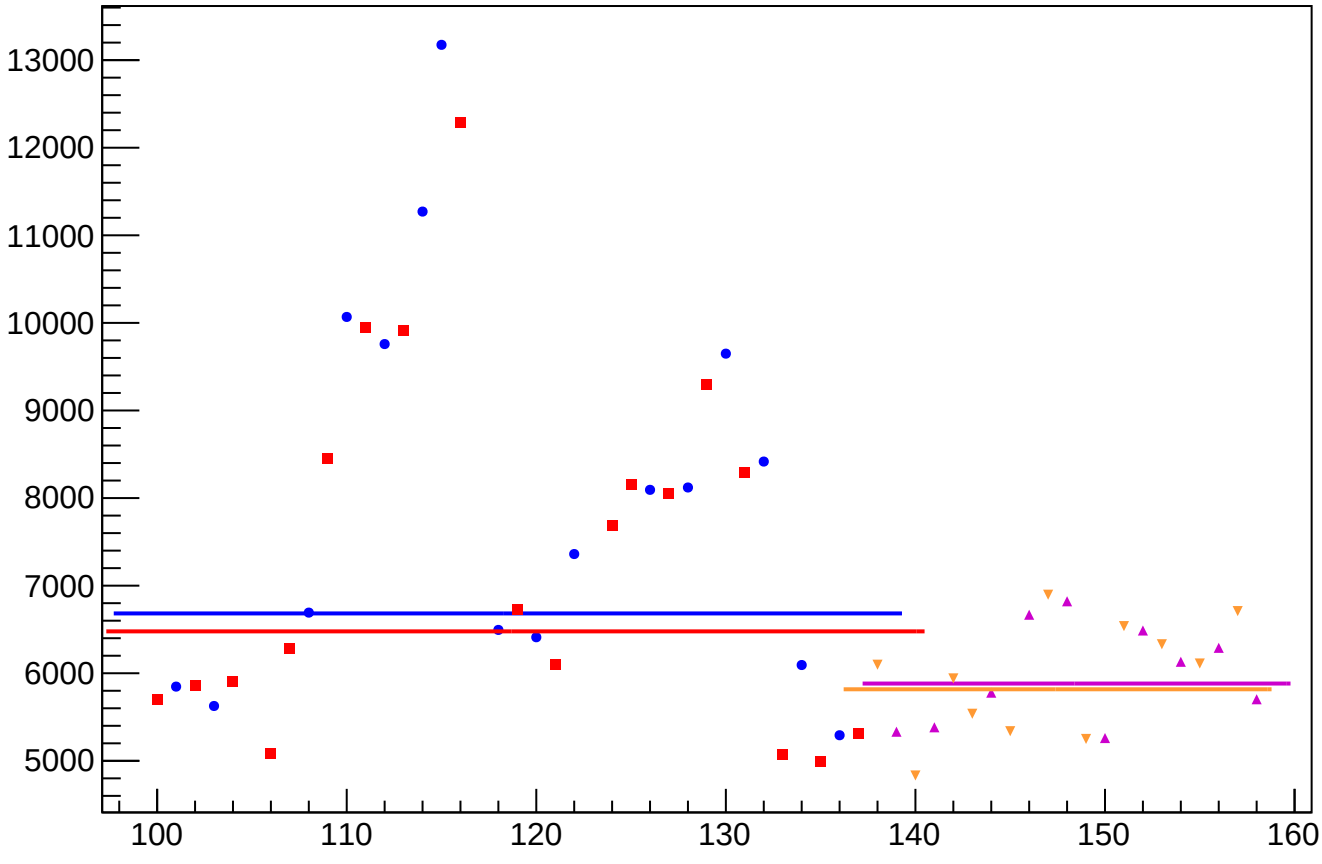
Left In: 8674.761+/-2.099 χ^2/NDF:289132.0/9

+ sign 9361.634+/-1.720 χ^2/NDF: 1920088.5/26

All: 9520.108+/-1.228 χ^2/NDF: 3679259.0/55

- sign 9685.012+/-1.754 χ^2/NDF: 1741842.3/28


diff_targ_positionY_mean vs Slug
40
20
0
−20
−40
100
110
120
130
140
150
160
Right In: -3.485+/-2.550 χ²/NDF: 11.5/15
Left Out: 4.807+/-1.994 χ²/NDF:7.5/10
Right Out: 5.259+/-2.446 χ²/NDF: 16.6/18
Left In: 2.824+/-2.008 χ²/NDF:13.9/9
+ sign 1.659+/-1.571 χ²/NDF: 25.5/26
All: 2.745+/-1.104 χ²/NDF: 57.6/55
- sign 3.804+/-1.552 χ²/NDF: 31.1/28



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 5816.935+/-1.410 χ^2/NDF:213474.4/10

Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

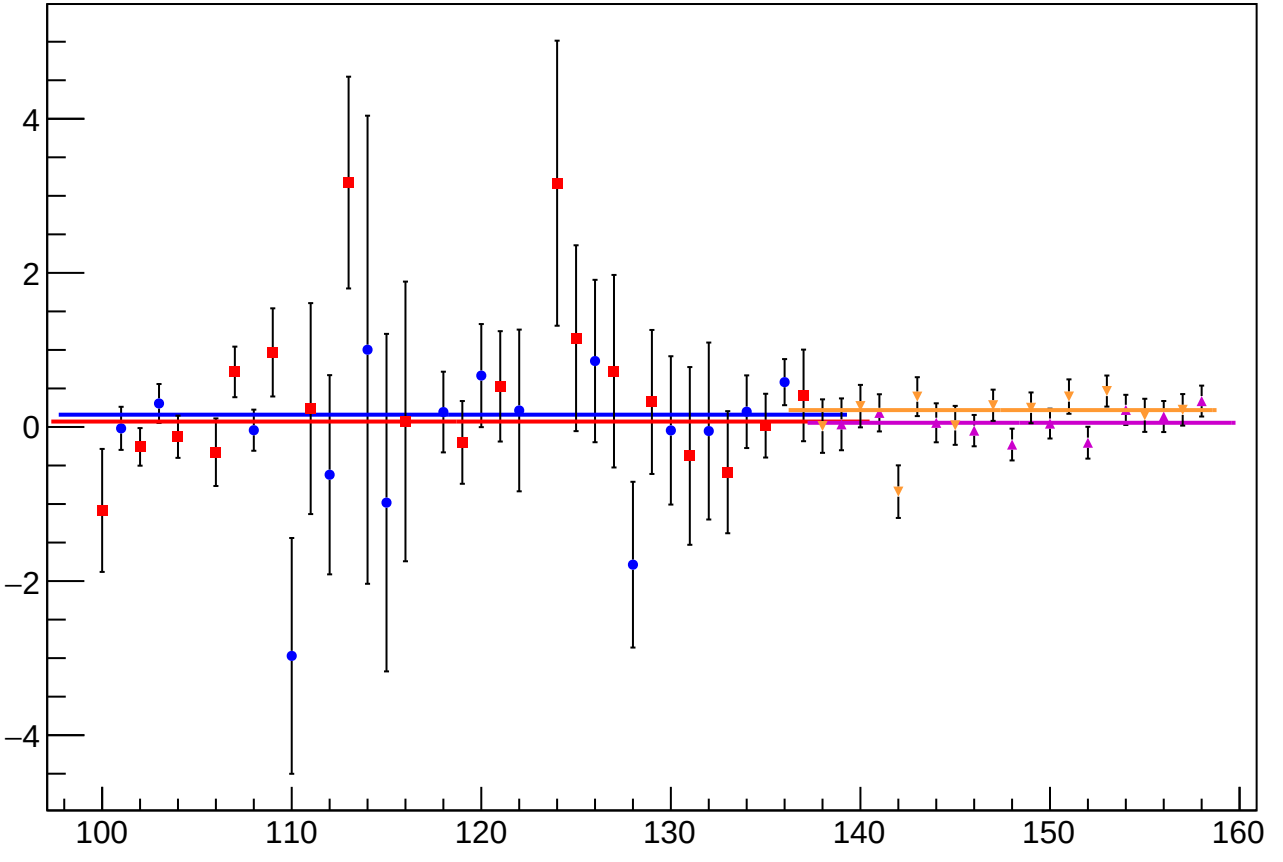
Left In: 5882.468+/-1.420 χ^2/NDF:141005.3/9

+ sign 6145.706+/-1.111 χ^2/NDF: 1048834.2/26

All: 6133.812+/-0.781 χ^2/NDF: 2100144.9/55

- sign 6122.204+/-1.097 χ^2/NDF: 1051084.2/28

diff_targ_thetaX_mean vs Slug



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.219+/-0.071 χ^2/NDF:13.4/10

Right Out: 0.070+/-0.120 χ^2/NDF: 22.5/18

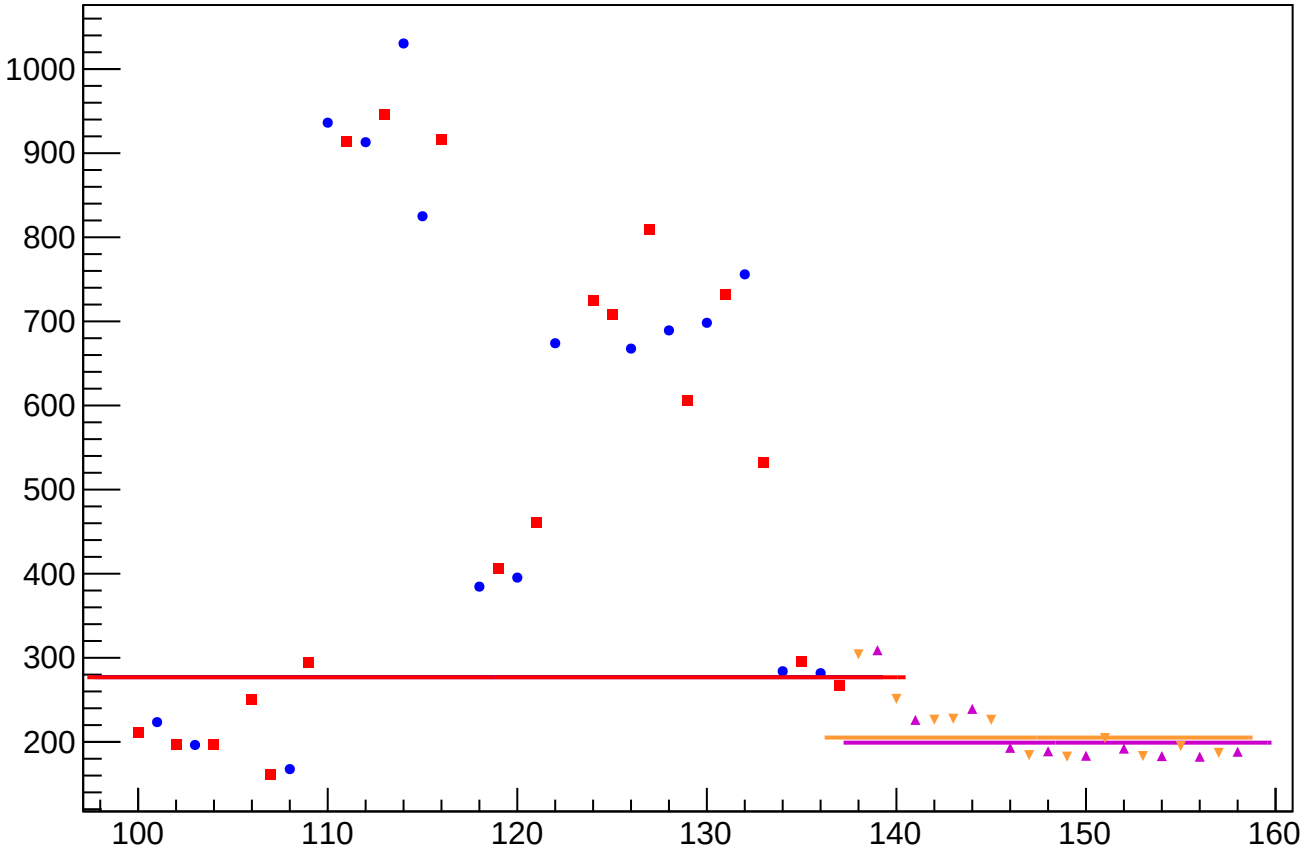
Left In: 0.054+/-0.068 χ^2/NDF:6.9/9

+ sign 0.204+/-0.061 χ^2/NDF: 26.2/26

All: 0.129+/-0.042 χ^2/NDF: 58.5/55

- sign 0.058+/-0.059 χ^2/NDF: 29.3/28

diff_targ_thetaX_rms vs Slug



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 205.175+/-0.050 χ^2/NDF:346449.2/10

Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

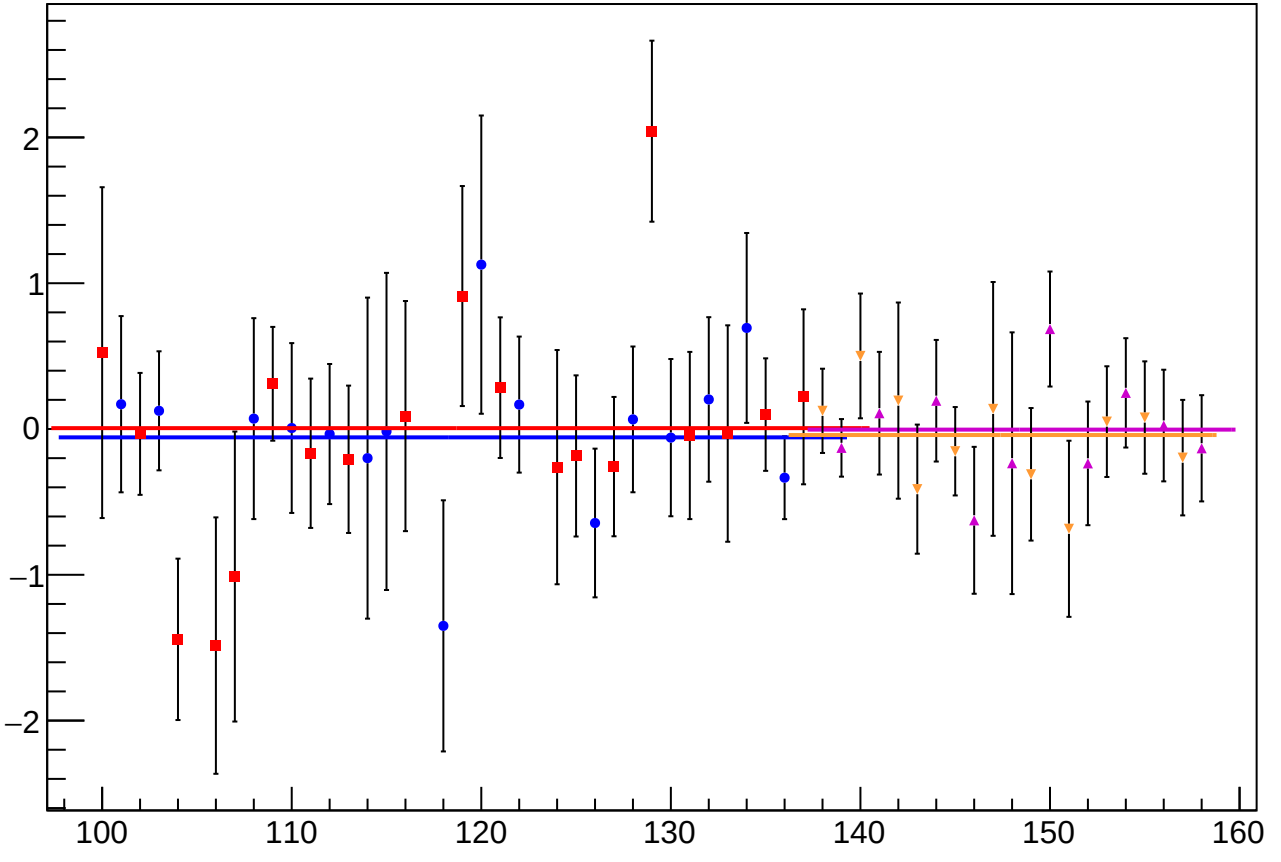
Left In: 199.124+/-0.048 χ^2/NDF:344099.1/9

+ sign 223.718+/-0.043 χ^2/NDF: 4332537.7/26

All: 220.875+/-0.030 χ^2/NDF: 8893740.3/55

- sign 218.172+/-0.042 χ^2/NDF: 4552660.3/28

diff_targ_thetaY_mean vs Slug



Right In: -0.057+/-0.134 χ^2/NDF: 8.1/15

Left Out: -0.041+/-0.124 χ^2/NDF:4.7/10

Right Out: 0.006+/-0.129 χ^2/NDF: 25.2/18

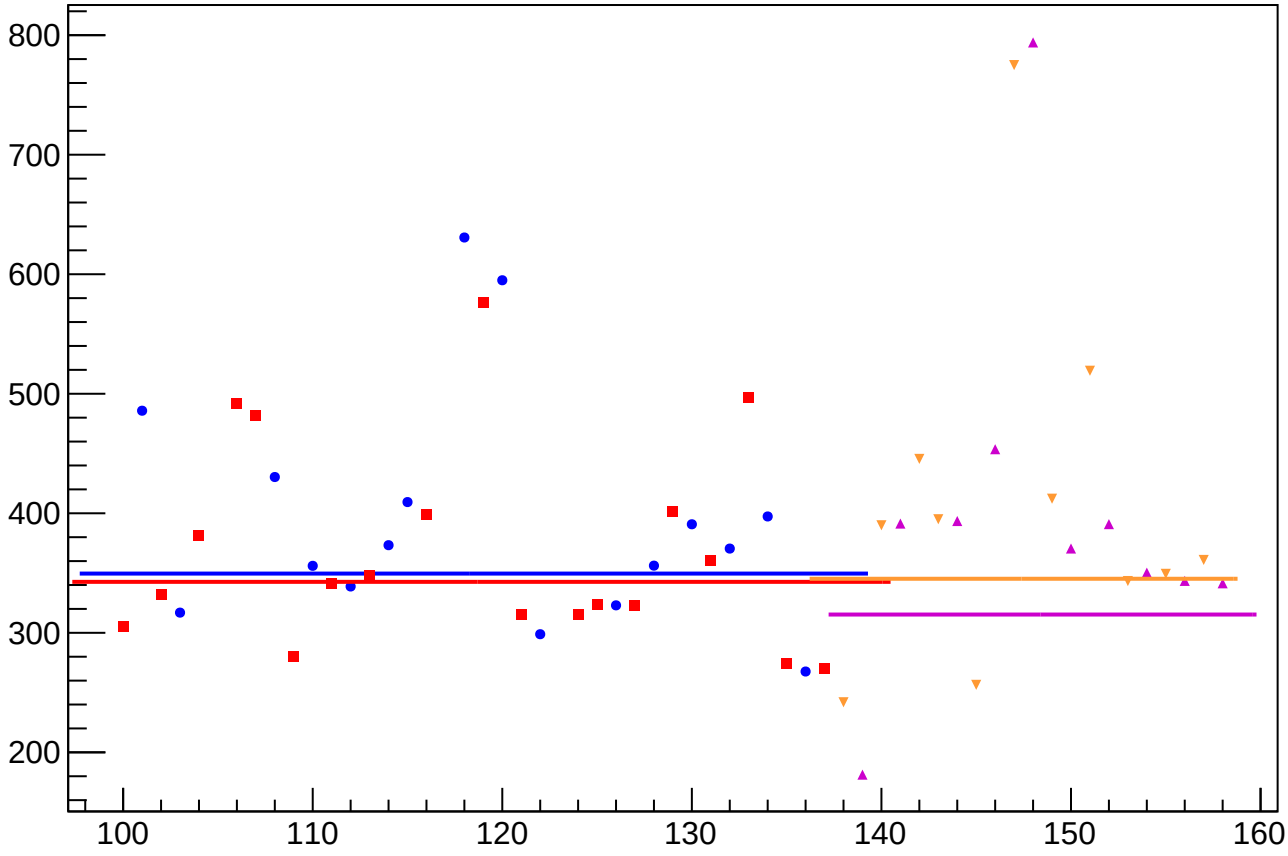
Left In: -0.004+/-0.115 χ^2/NDF:6.2/9

+ sign -0.049+/-0.091 χ^2/NDF: 12.9/26

All: -0.023+/-0.062 χ^2/NDF: 44.4/55

- sign 0.000+/-0.086 χ^2/NDF: 31.4/28

diff_targ_thetaY_rms vs Slug



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 345.221+/-0.088 χ^2/NDF:1219073.6/10

Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

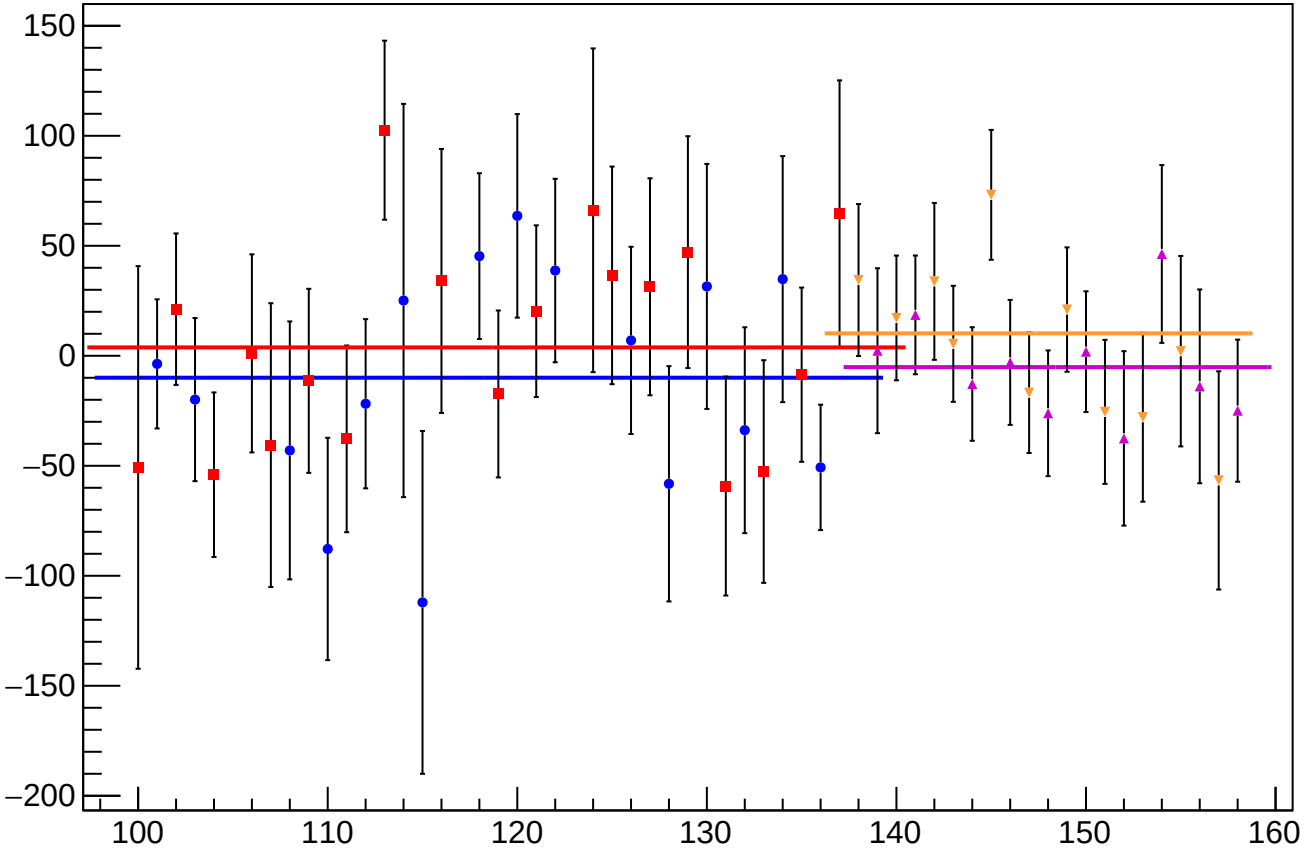
Left In: 315.290+/-0.081 χ^2/NDF:1916215.3/9

+ sign 347.234+/-0.064 χ^2/NDF: 1919505.3/26

All: 336.723+/-0.044 χ^2/NDF: 4511815.5/55

- sign 327.405+/-0.061 χ^2/NDF: 2542118.2/28

diff_bpmE_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 10.194+/-9.719 χ^2/NDF:10.7/10

Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

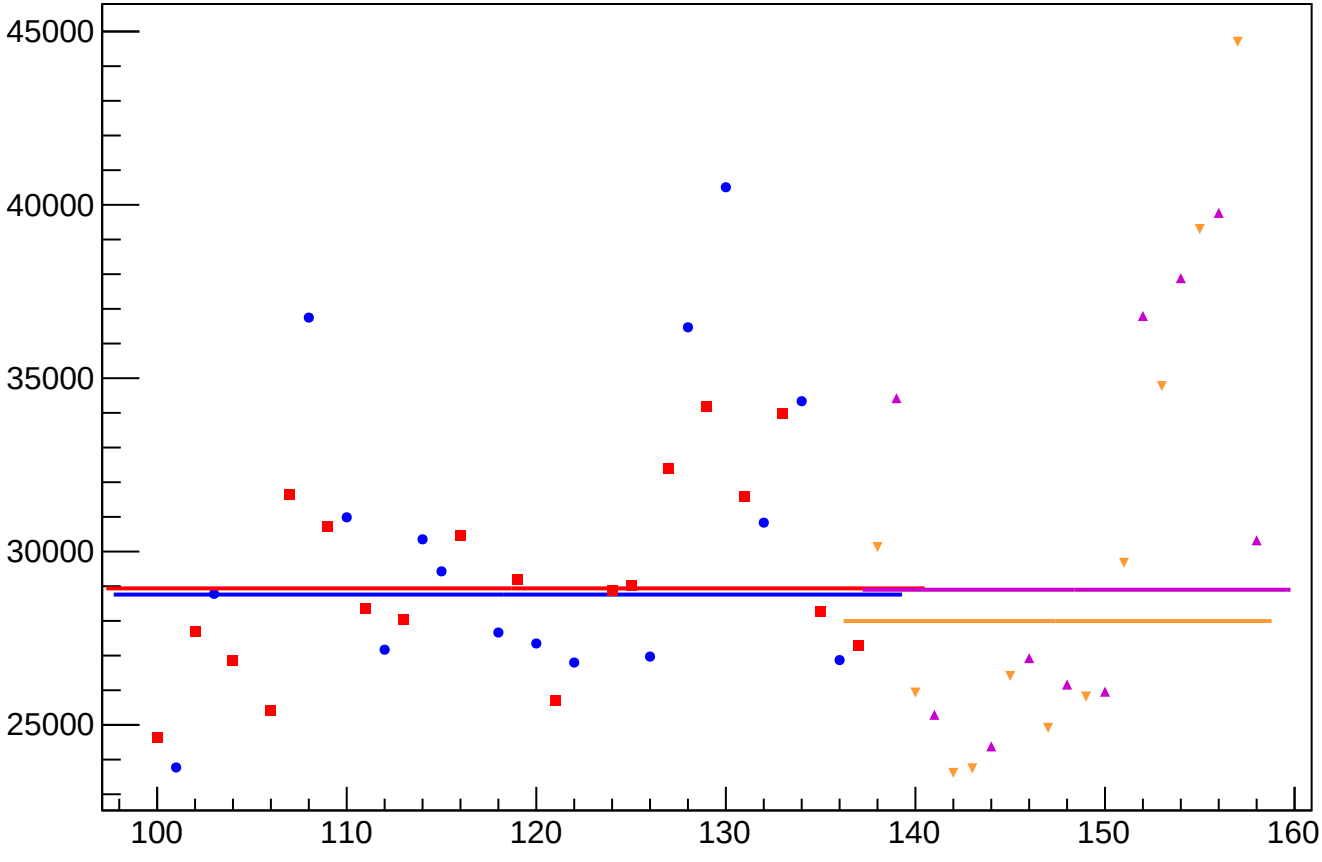
Left In: -5.145+/-9.950 χ^2/NDF:4.2/9

+ sign 1.205+/-7.235 χ^2/NDF: 27.9/26

All: 0.125+/-5.127 χ^2/NDF: 49.9/55

- sign -0.964+/-7.266 χ^2/NDF: 21.9/28

diff_bpmE_rms vs Slug



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 27996.034+/-6.872 χ^2/NDF:574028.5/10

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

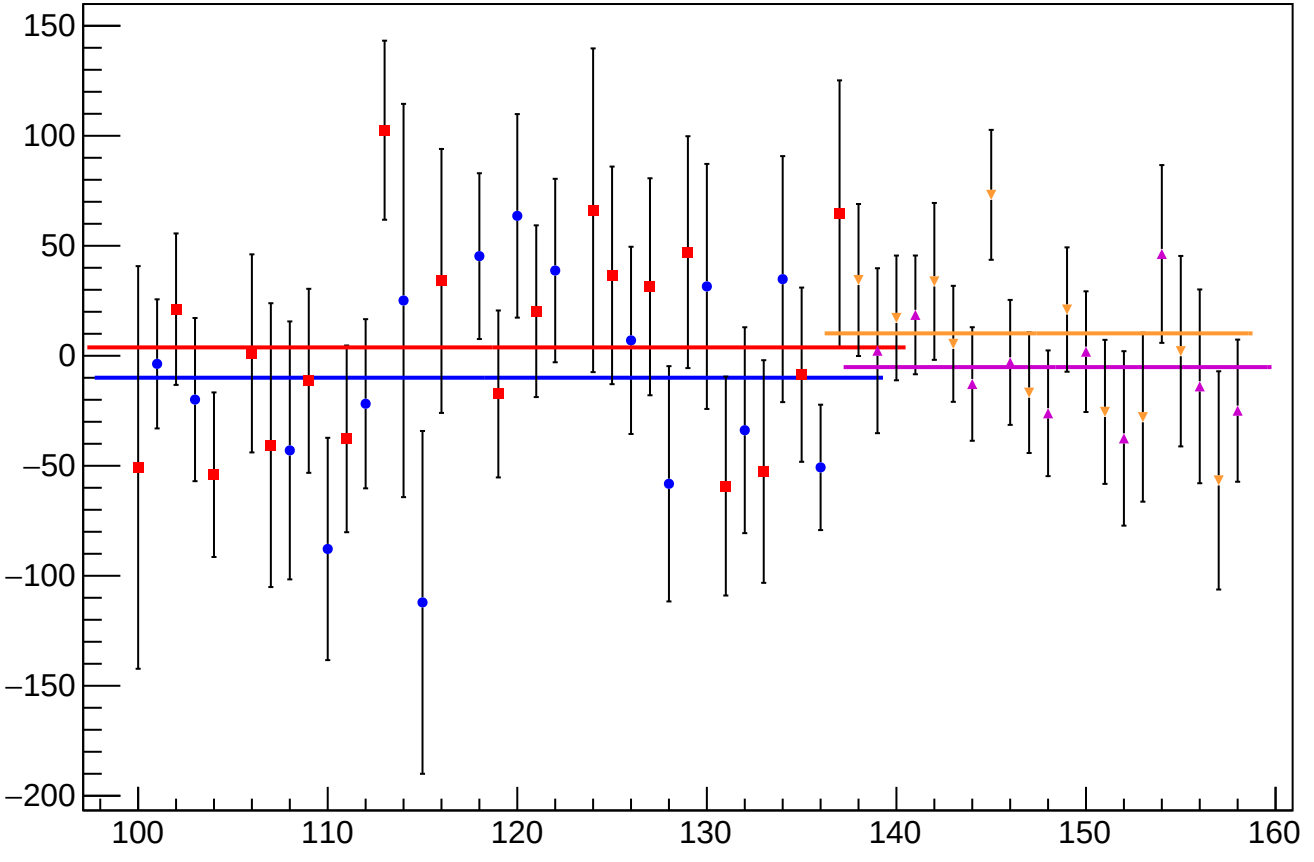
Left In: 28898.573+/-7.035 χ^2/NDF:495372.5/9

+ sign 28336.202+/-5.116 χ^2/NDF: 857164.5/26

All: 28625.264+/-3.625 χ^2/NDF: 1465229.4/5

- sign 28916.802+/-5.138 χ^2/NDF: 601652.9/28

diff_bpmEX_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 10.194+/-9.719 χ^2/NDF:10.7/10

Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

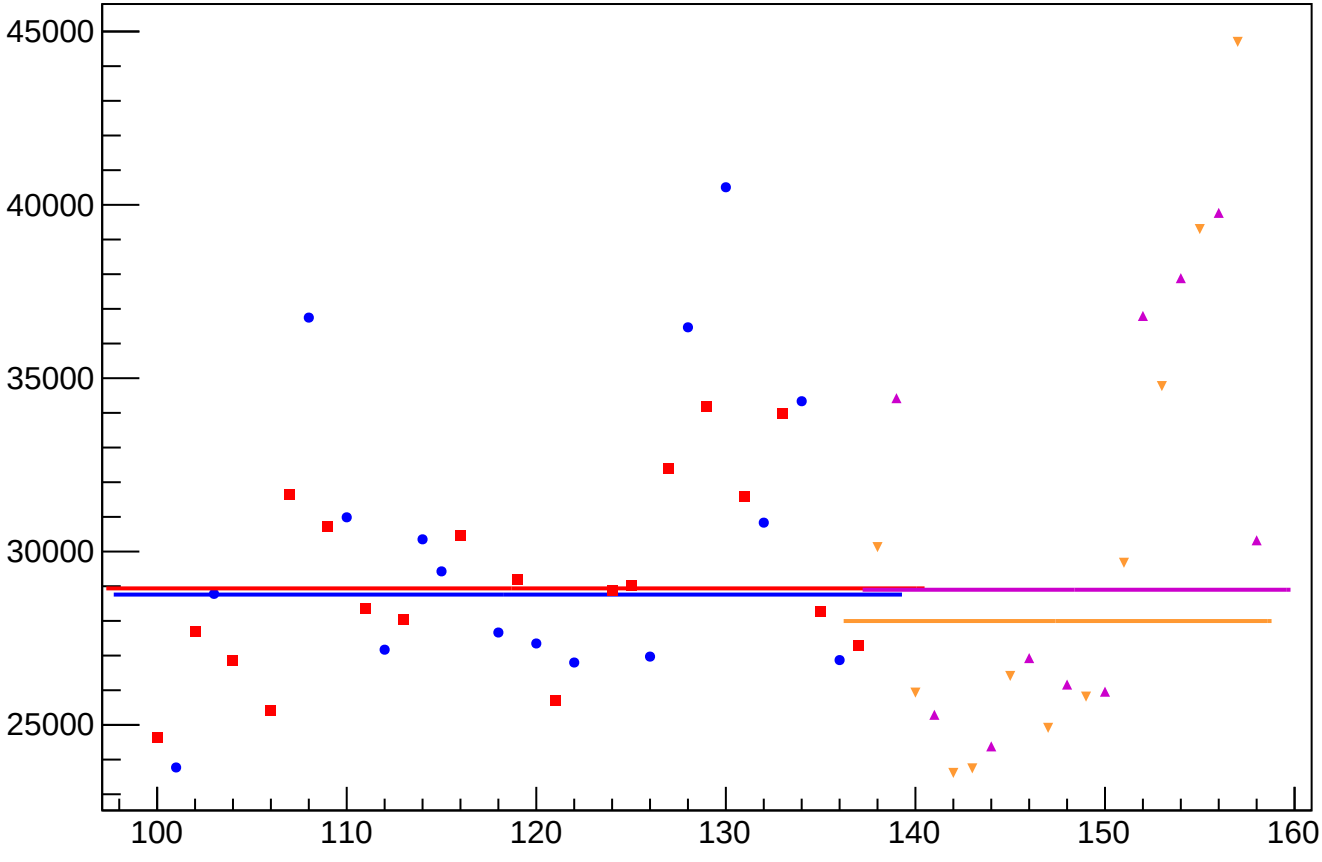
Left In: -5.145+/-9.950 χ^2/NDF:4.2/9

+ sign 1.205+/-7.235 χ^2/NDF: 27.9/26

All: 0.125+/-5.127 χ^2/NDF: 49.9/55

- sign -0.964+/-7.266 χ^2/NDF: 21.9/28

diff_bpmEX_rms vs Slug



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 27996.034+/-6.872 χ^2/NDF:574028.5/10

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

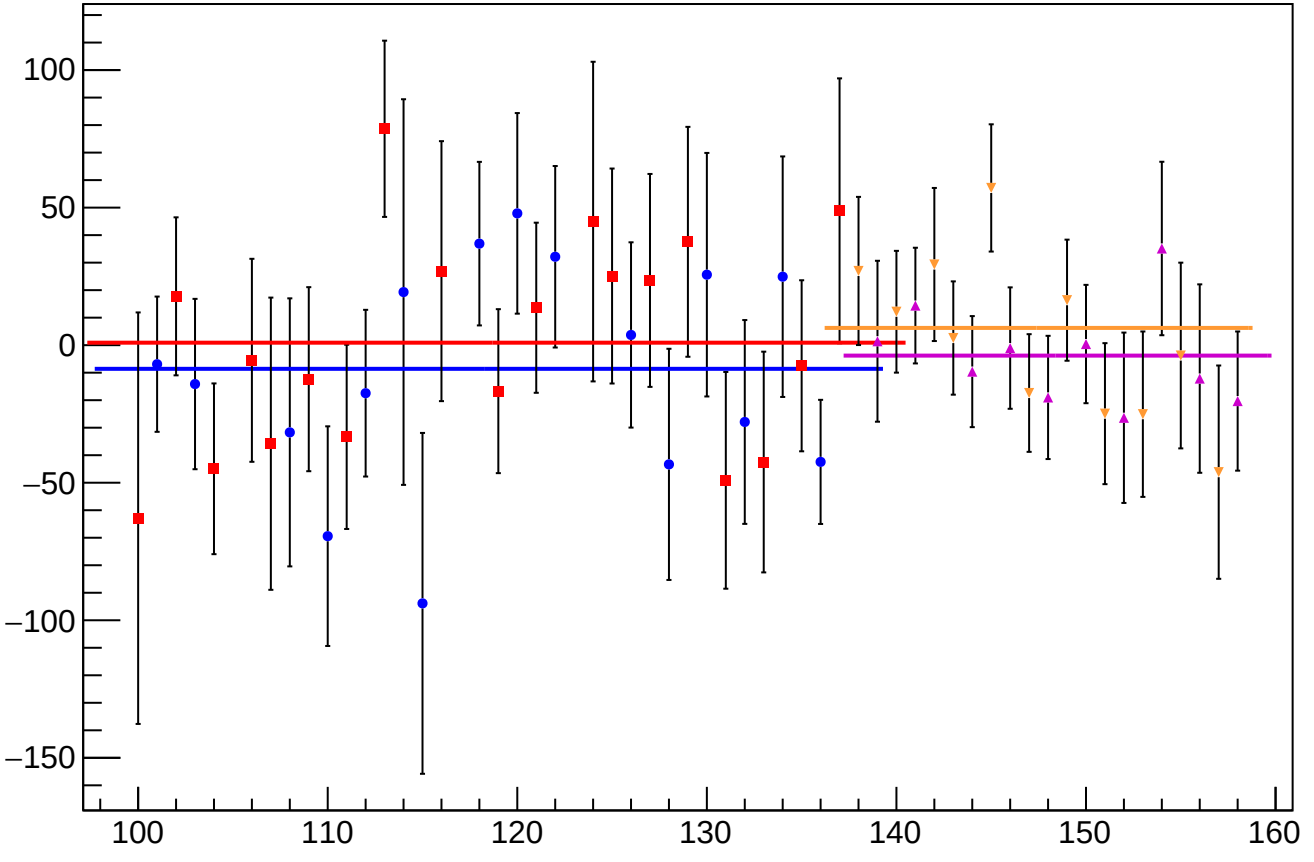
Left In: 28898.573+/-7.035 χ^2/NDF:495372.5/9

+ sign 28336.202+/-5.116 χ^2/NDF: 857164.5/26

All: 28625.264+/-3.625 χ^2/NDF: 1465229.4/5

- sign 28916.802+/-5.138 χ^2/NDF: 601652.9/28

diff_bpmE_11X12X_mean vs Slug



Right In: -8.599+/-8.678 χ^2/NDF: 15.5/15

Left Out: 6.272+/-7.589 χ^2/NDF:12.1/10

Right Out: 0.904+/-8.506 χ^2/NDF: 17.6/18

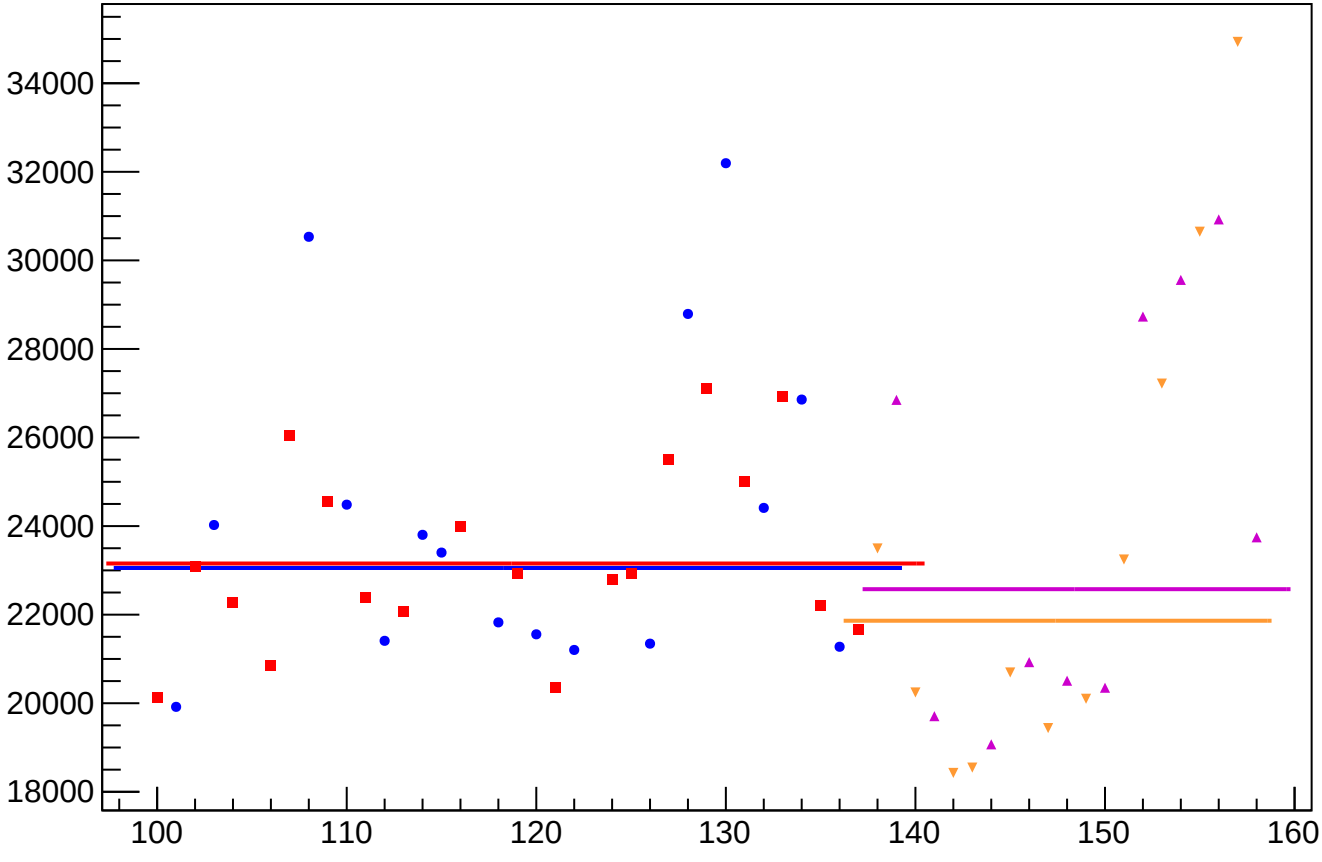
Left In: -3.794+/-7.772 χ^2/NDF:3.9/9

\+ sign -0.172+/-5.713 χ^2/NDF: 29.3/26

All: -0.911+/-4.048 χ^2/NDF: 51.0/55

\- sign -1.656+/-5.737 χ^2/NDF: 21.7/28

diff_bpmE_11X12X_rms vs Slug



Right In: 23053.910+/-6.137 χ^2/NDF: 261444.9/15

Left Out: 21862.873+/-5.366 χ^2/NDF:576084.2/10

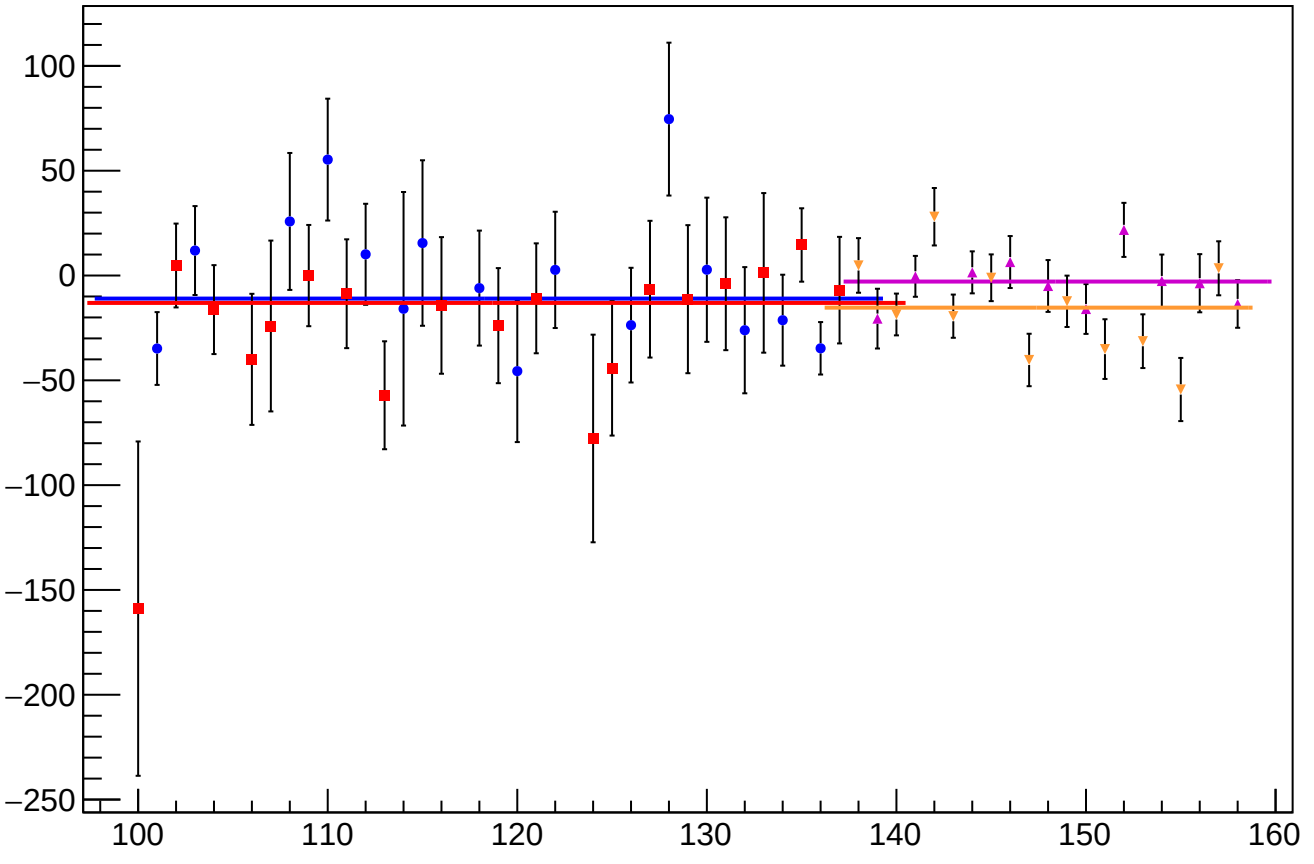
Right Out: 23155.251+/-6.015 χ^2/NDF: 93894.1/18

Left In: 22575.425+/-5.495 χ^2/NDF:490142.4/9

+ sign 22379.011+/-4.040 χ^2/NDF: 858874.8/26

All: 22608.141+/-2.863 χ^2/NDF: 1454438.5/5

- sign 22839.233+/-4.057 χ^2/NDF: 589101.8/28



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -15.327+/-3.695 χ^2/NDF:30.7/10

Right Out: -13.071+/-6.382 χ^2/NDF: 13.9/18

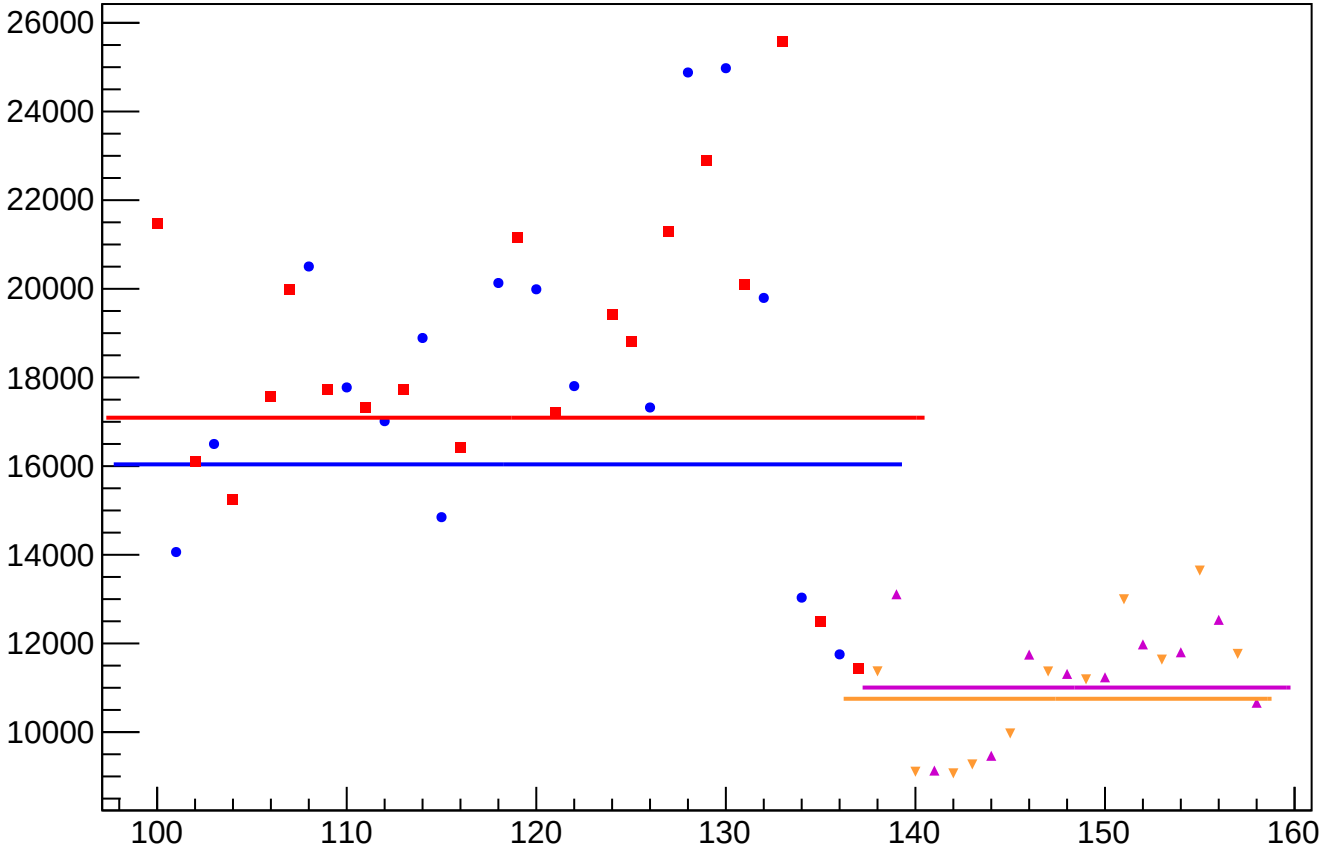
Left In: -2.882+/-3.759 χ^2/NDF:8.2/9

+ sign -14.181+/-3.168 χ^2/NDF: 53.1/26

All: -9.940+/-2.265 χ^2/NDF: 80.6/55

- sign -5.506+/-3.239 χ^2/NDF: 23.9/28

diff_bpm4aesumX_rms vs Slug



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 10752.138+/-2.613 χ^2/NDF:292903.0/10

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

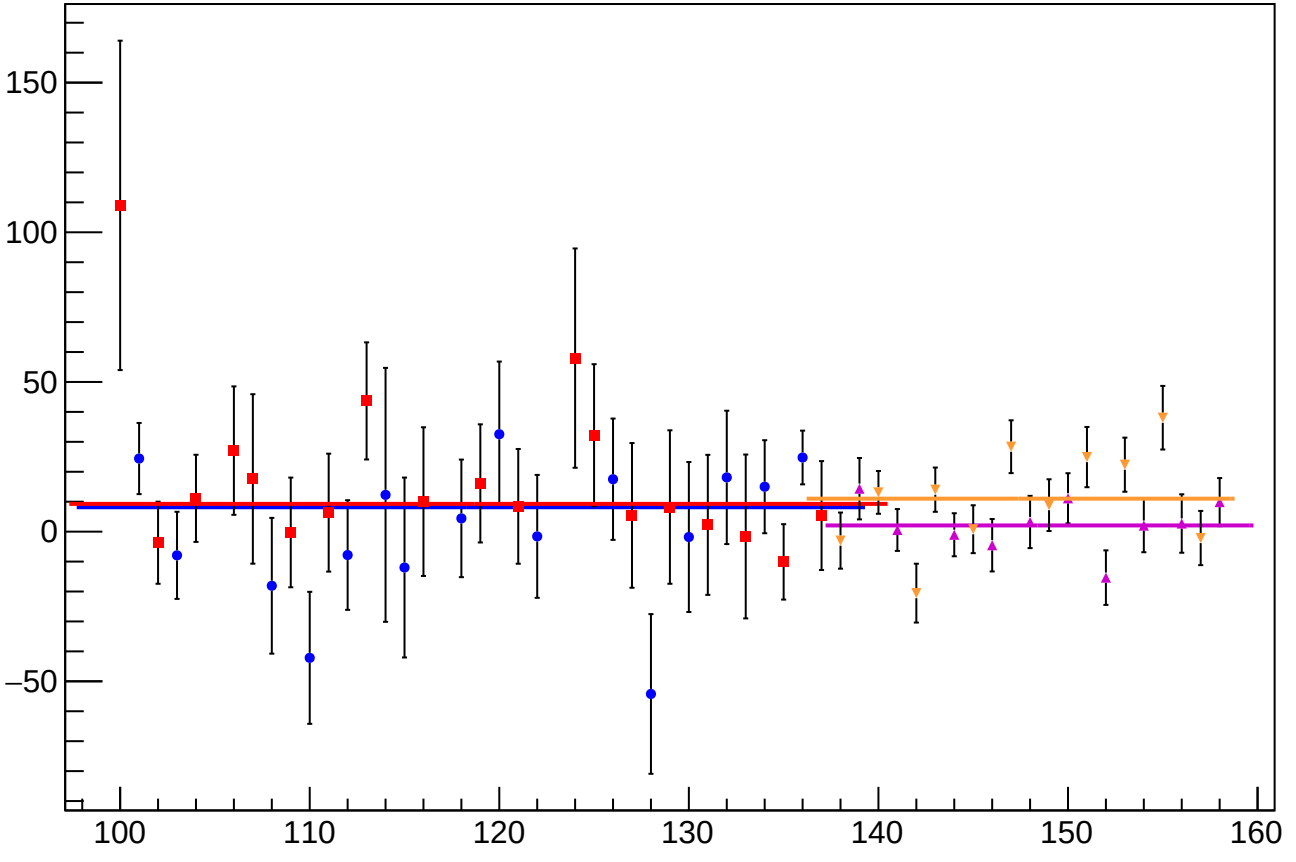
Left In: 11005.091+/-2.658 χ^2/NDF:219165.5/9

+ sign 12153.038+/-2.240 χ^2/NDF: 2100729.7/26

All: 12358.376+/-1.601 χ^2/NDF: 4223617.4/5

- sign 12573.001+/-2.290 χ^2/NDF: 2105702.8/28

diff_bpm4aediffX_mean vs Slug



Right In: 8.150+/-4.423 χ^2/NDF: 21.8/15

Left Out: 11.015+/-2.630 χ^2/NDF:30.4/10

Right Out: 9.270+/-4.607 χ^2/NDF: 13.9/18

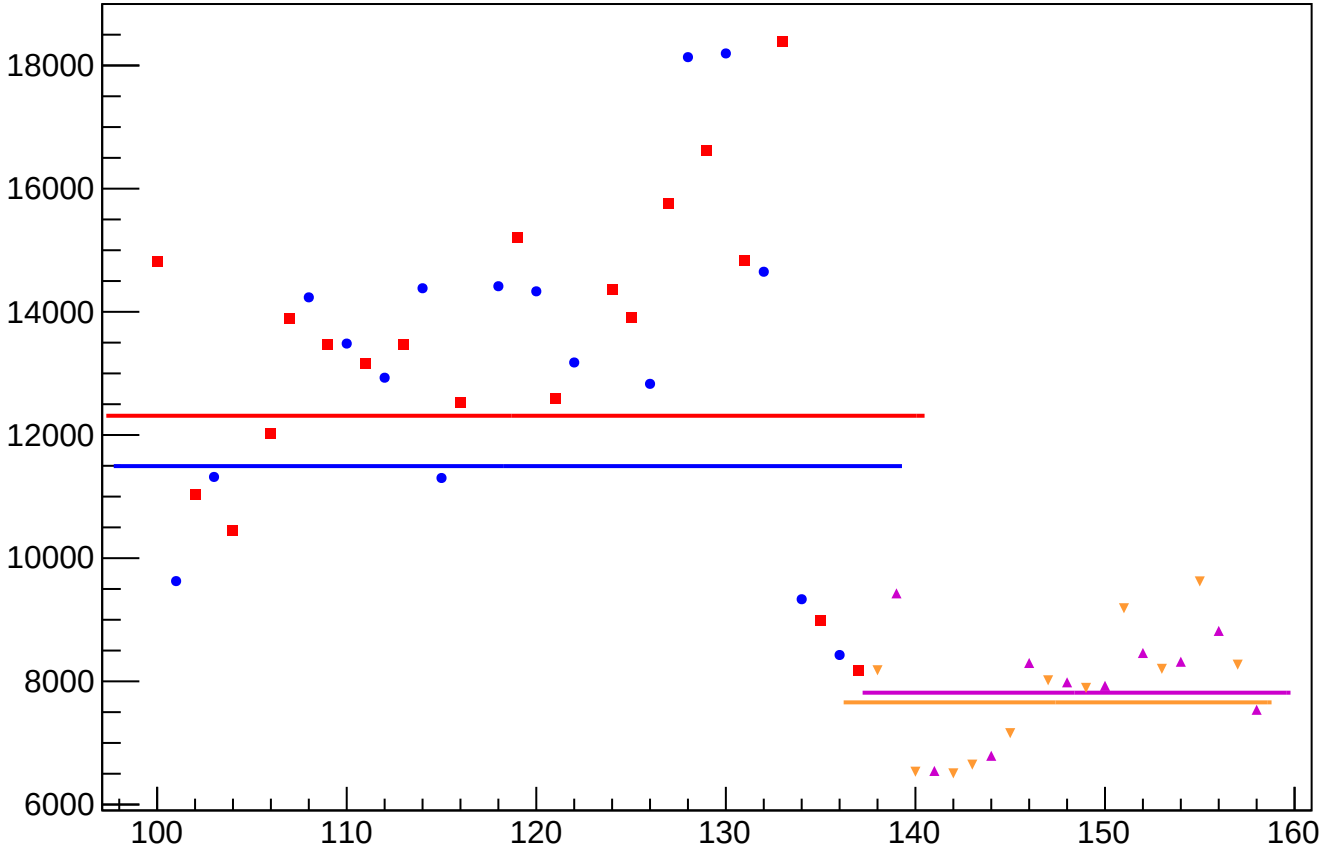
Left In: 2.073+/-2.668 χ^2/NDF:8.0/9

+ sign 10.267+/-2.260 χ^2/NDF: 52.5/26

All: 7.142+/-1.615 χ^2/NDF: 80.2/55

- sign 3.880+/-2.309 χ^2/NDF: 23.7/28

diff_bpm4aediffX_rms vs Slug



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 7658.734+/-1.859 χ^2/NDF:264075.2/10

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

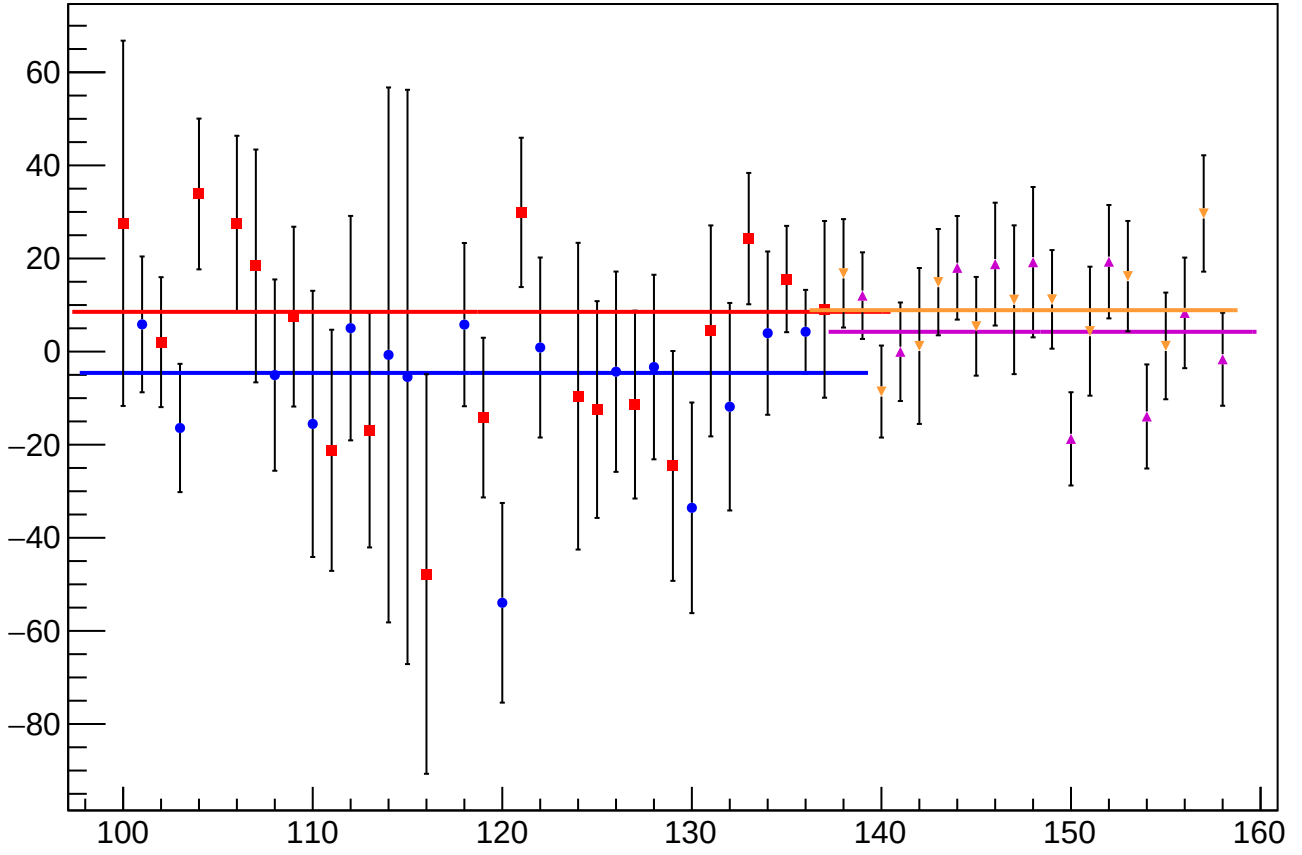
Left In: 7815.821+/-1.887 χ^2/NDF:203261.2/9

+ sign 8660.613+/-1.598 χ^2/NDF: 2165769.4/26

All: 8799.934+/-1.142 χ^2/NDF: 4409994.6/55

- sign 8945.337+/-1.633 χ^2/NDF: 2228695.6/28

diff_bpm4aesumY_mean vs Slug



Right In: -4.578+/-4.554 χ^2/NDF: 10.2/15

Left Out: 8.893+/-3.606 χ^2/NDF:8.0/10

Right Out: 8.537+/-4.392 χ^2/NDF: 17.2/18

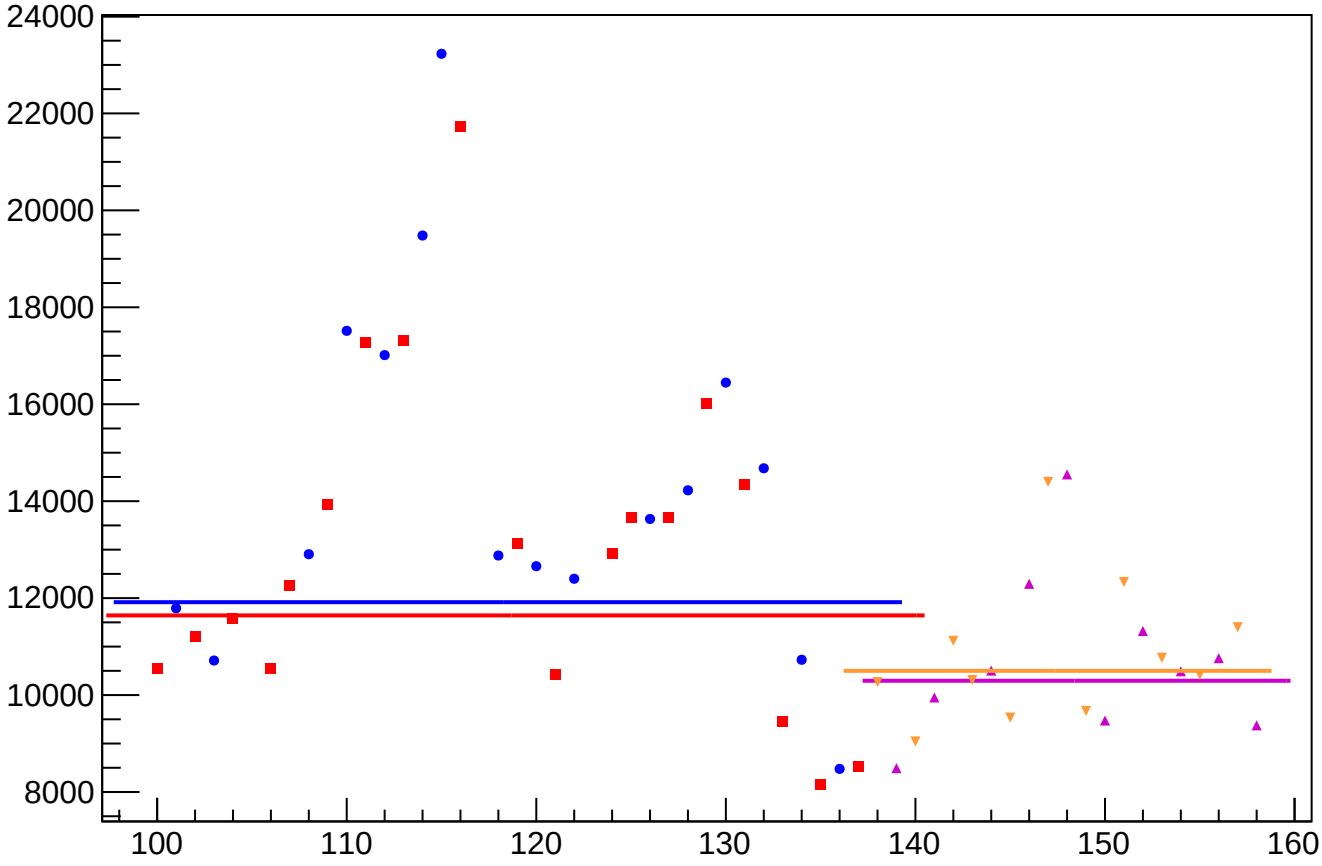
Left In: 4.250+/-3.537 χ^2/NDF:14.4/9

+ sign 3.701+/-2.827 χ^2/NDF: 23.6/26

All: 4.848+/-1.973 χ^2/NDF: 56.0/55

- sign 5.937+/-2.755 χ^2/NDF: 32.1/28

diff_bpm4aesumY_rms vs Slug



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 10500.140+/-2.550 χ^2/NDF:241849.3/10

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

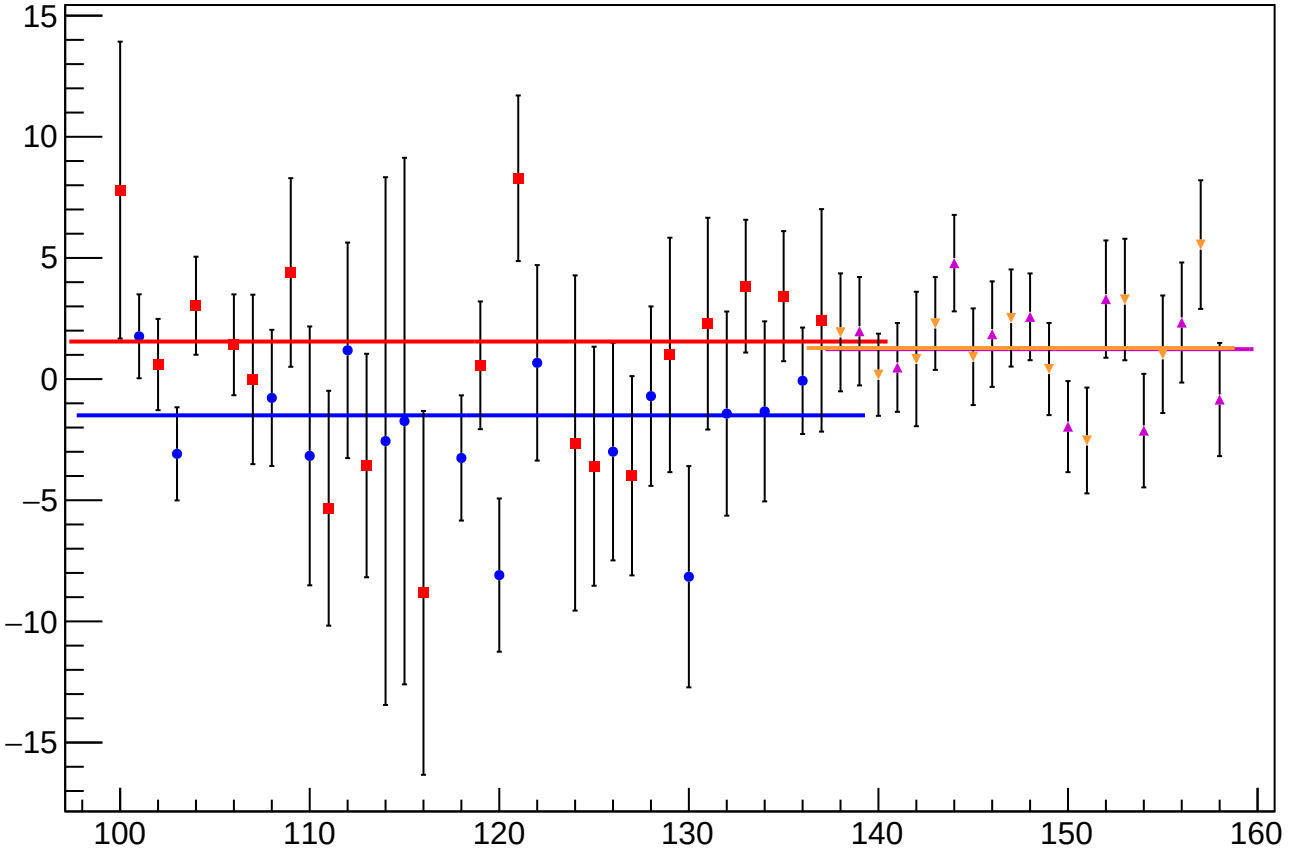
Left In: 10295.511+/-2.501 χ^2/NDF:311178.7/9

+ sign 11045.924+/-1.999 χ^2/NDF: 1110501.3/26

All: 10932.982+/-1.395 χ^2/NDF: 2332564.4/5

- sign 10825.755+/-1.948 χ^2/NDF: 1215840.8/28

diff_bpm4aediffY_mean vs Slug



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 1.283+/-0.649 χ^2/NDF:7.7/10

Right Out: 1.551+/-0.745 χ^2/NDF: 16.3/18

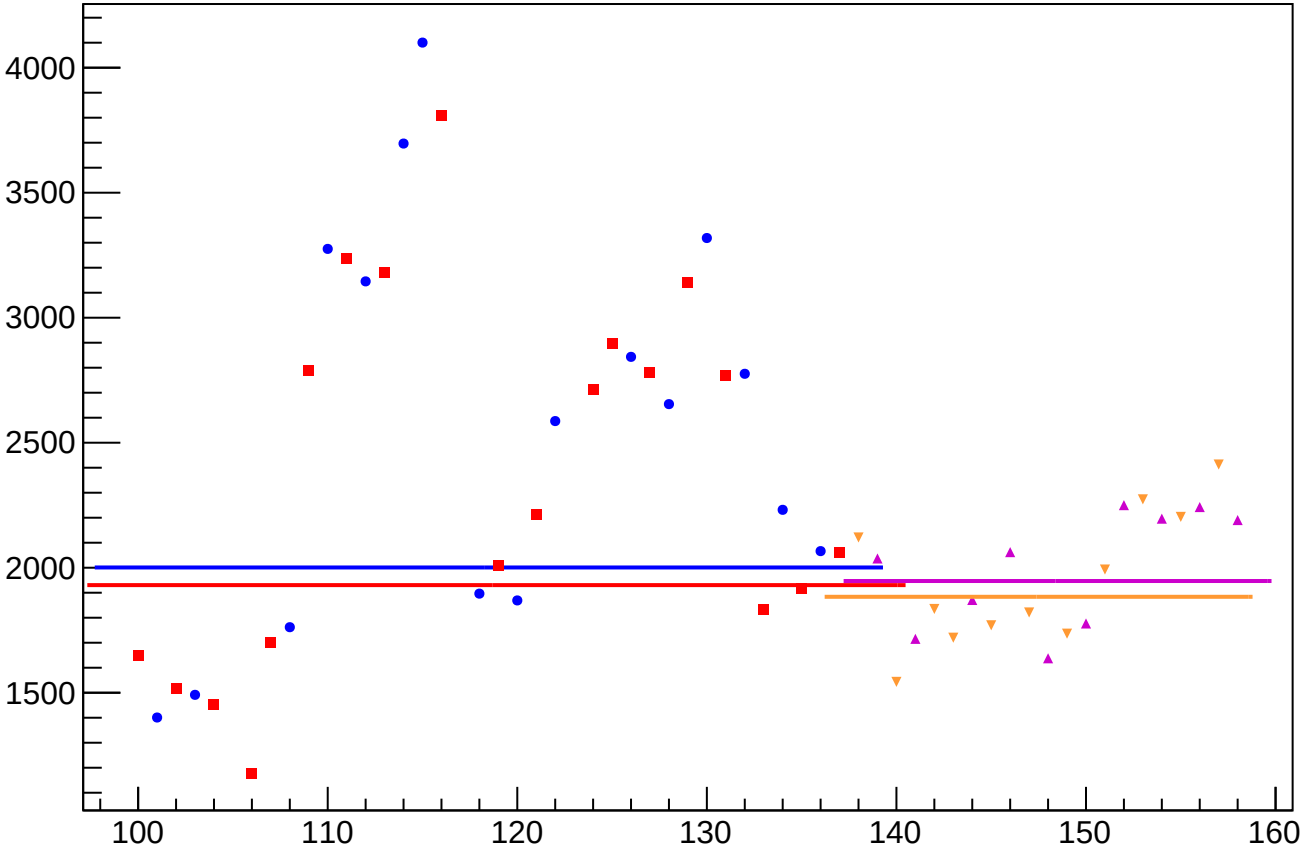
Left In: 1.235+/-0.666 χ^2/NDF:10.8/9

+ sign 0.144+/-0.498 χ^2/NDF: 27.8/26

All: 0.762+/-0.352 χ^2/NDF: 58.0/55

- sign 1.375+/-0.496 χ^2/NDF: 27.1/28

diff_bpm4aediffY_rms vs Slug



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 1883.718+/-0.459 χ^2/NDF:302830.7/10

Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

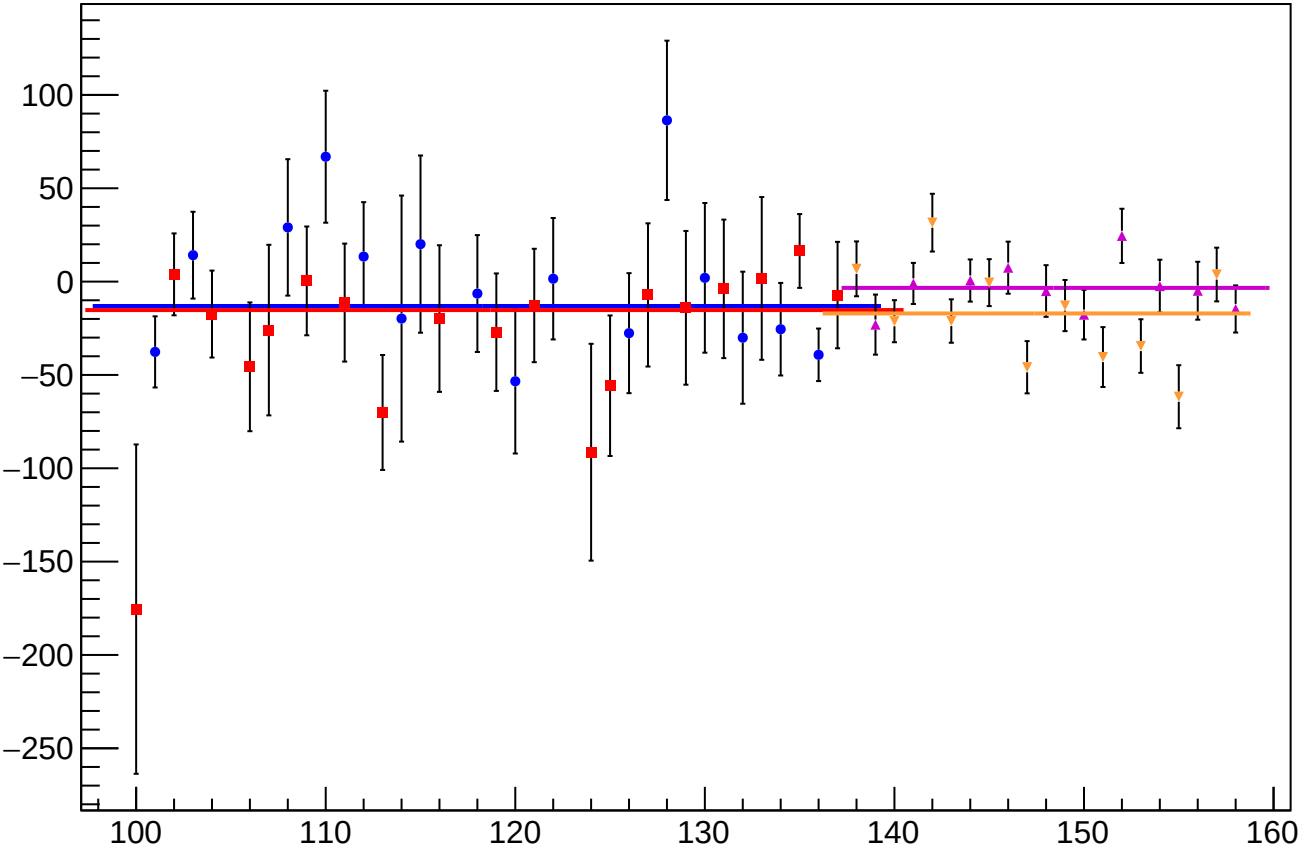
Left In: 1946.843+/-0.471 χ^2/NDF:223918.9/9

+ sign 1931.796+/-0.352 χ^2/NDF: 1519416.7/26

All: 1935.688+/-0.249 χ^2/NDF: 3147670.9/55

- sign 1939.549+/-0.351 χ^2/NDF: 1628011.2/28

diff_bpmtargetsumX_mean vs Slug



Right In: -13.066+/-7.026 χ^2/NDF: 21.9/15

Left Out: -17.063+/-4.155 χ^2/NDF:31.5/10

Right Out: -15.253+/-7.321 χ^2/NDF: 14.3/18

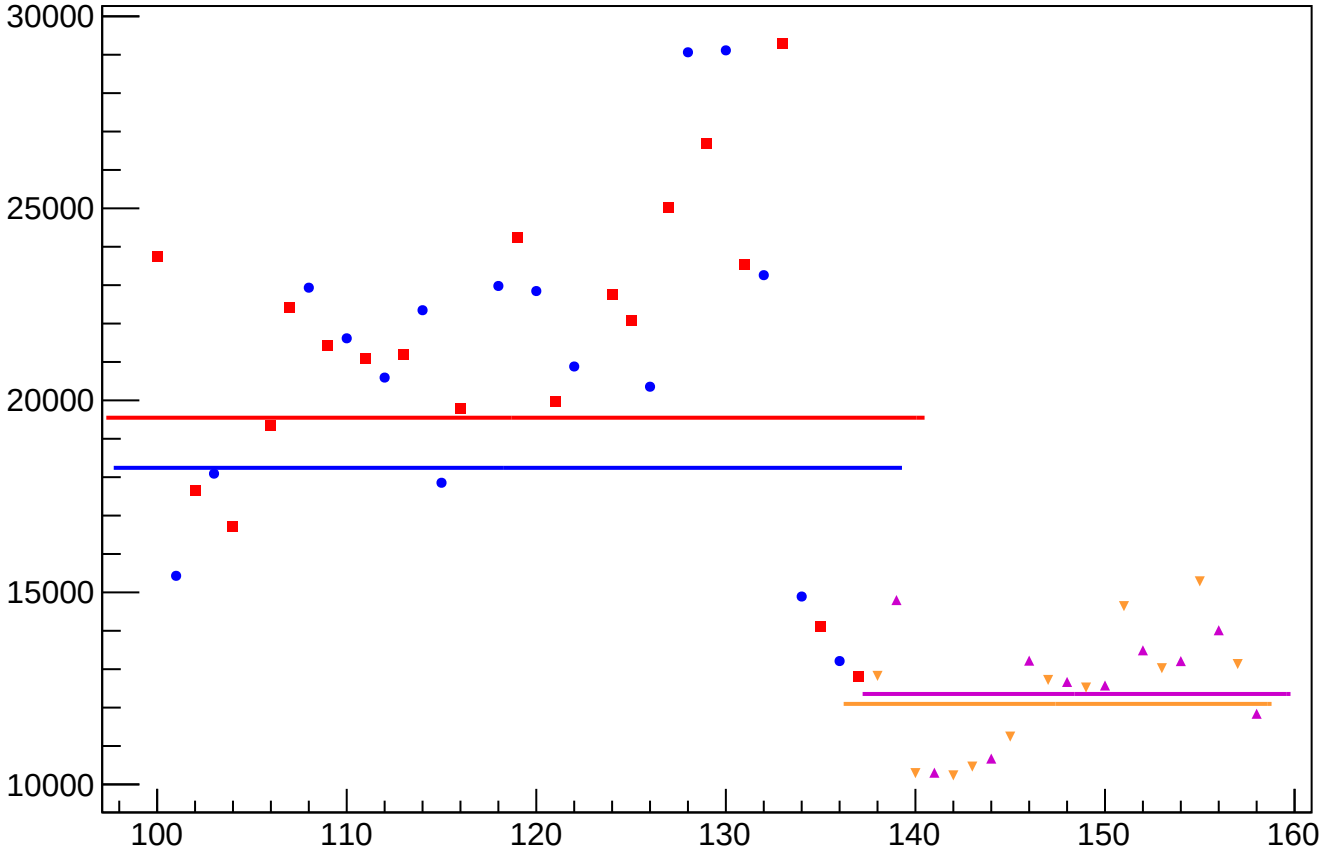
Left In: -3.369+/-4.220 χ^2/NDF:7.9/9

+ sign -16.027+/-3.577 χ^2/NDF: 53.6/26

All: -11.286+/-2.557 χ^2/NDF: 81.5/55

- sign -6.333+/-3.656 χ^2/NDF: 24.3/28

diff_bpmtargetsumX_rms vs Slug



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 12096.474+/-2.938 χ^2/NDF:280119.0/10

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

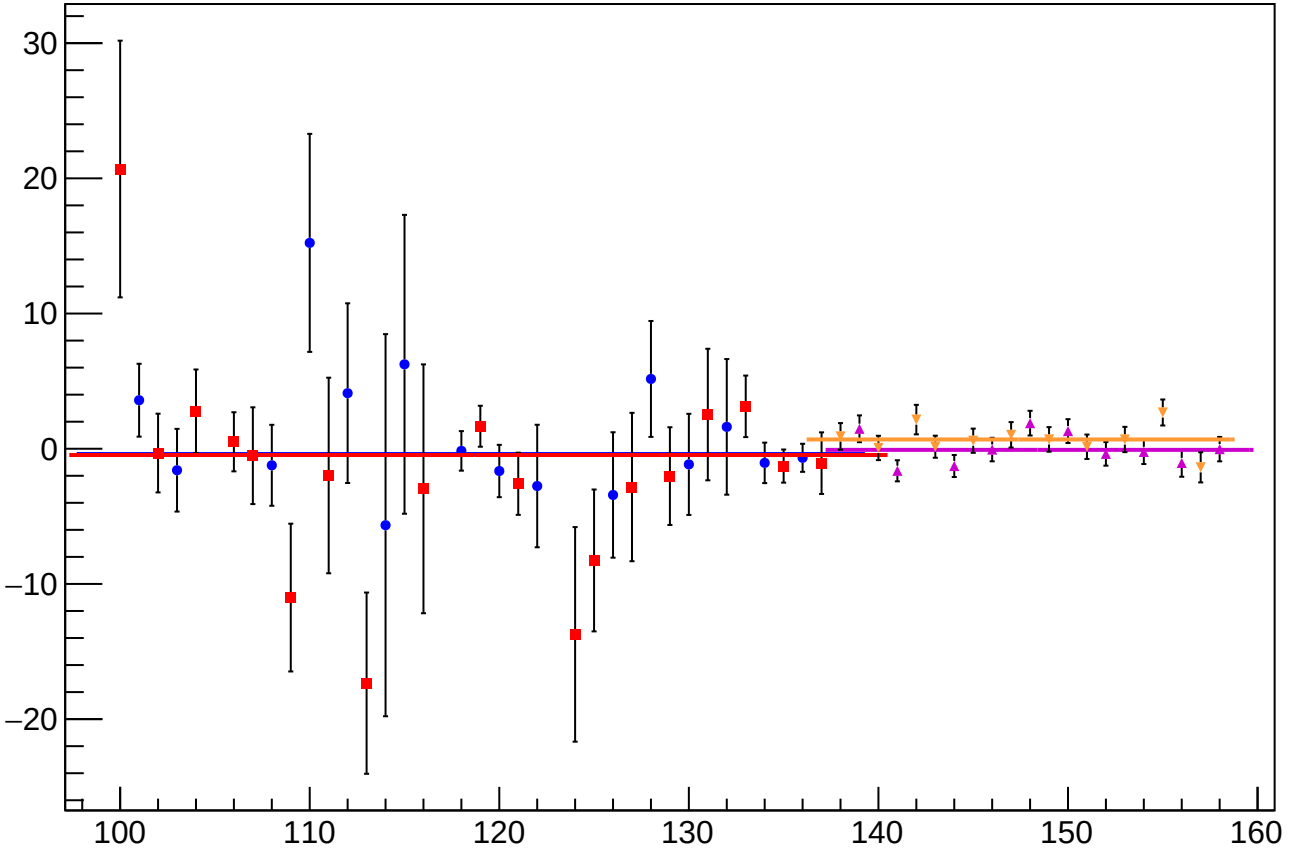
Left In: 12355.200+/-2.984 χ^2/NDF:215053.6/9

+ sign 13689.248+/-2.529 χ^2/NDF: 2233971.4/26

All: 13914.149+/-1.808 χ^2/NDF: 4536314.6/5

- sign 14149.117+/-2.585 χ^2/NDF: 2286173.8/28

diff_bpmtargetdiffX_mean vs Slug



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.686+/-0.283 χ^2/NDF:11.0/10

Right Out: -0.464+/-0.634 χ^2/NDF: 28.0/18

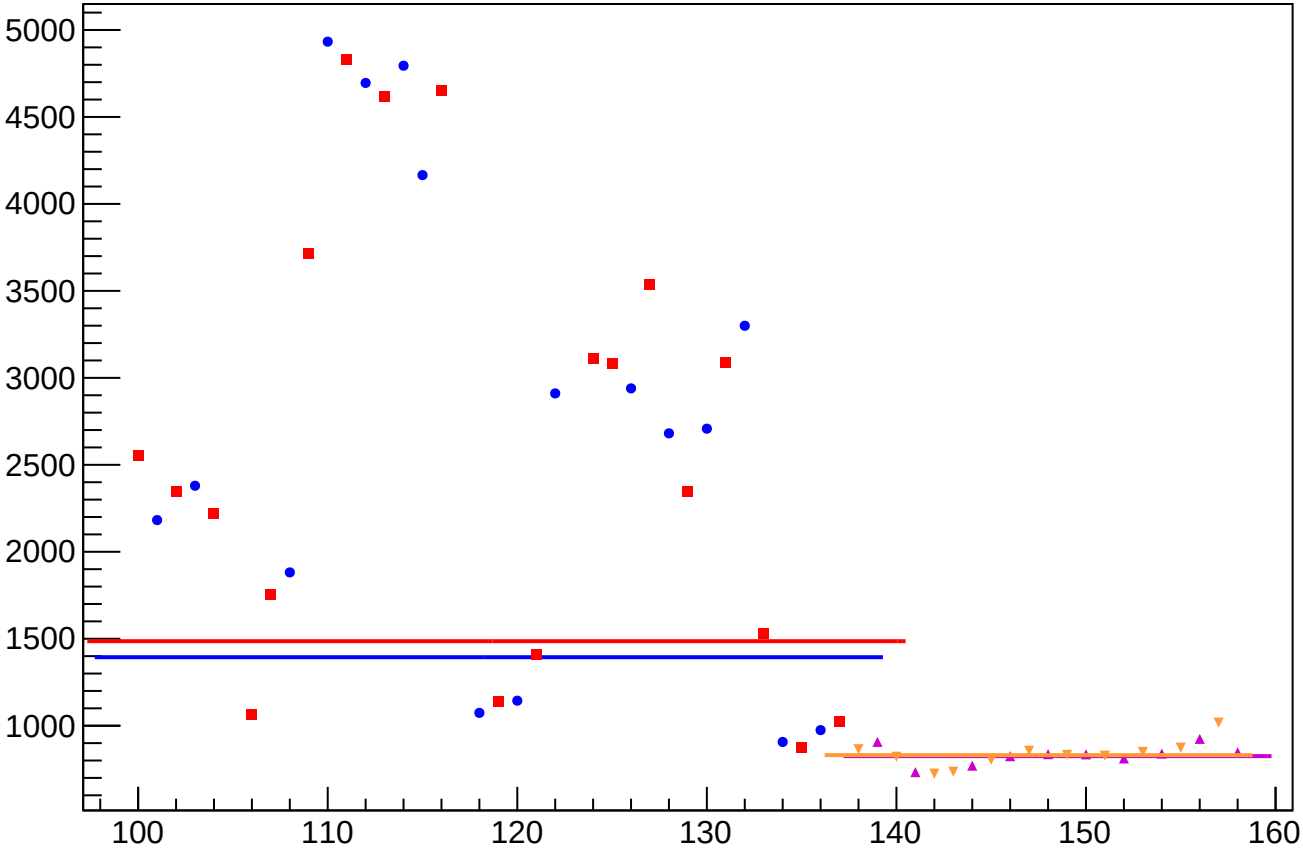
Left In: -0.084+/-0.280 χ^2/NDF:16.8/9

+ sign 0.489+/-0.256 χ^2/NDF: 24.1/26

All: 0.172+/-0.181 χ^2/NDF: 72.3/55

- sign -0.146+/-0.256 χ^2/NDF: 45.1/28

diff_bpmtargetdiffX_rms vs Slug



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 830.994+/-0.200 χ^2/NDF:112997.2/10

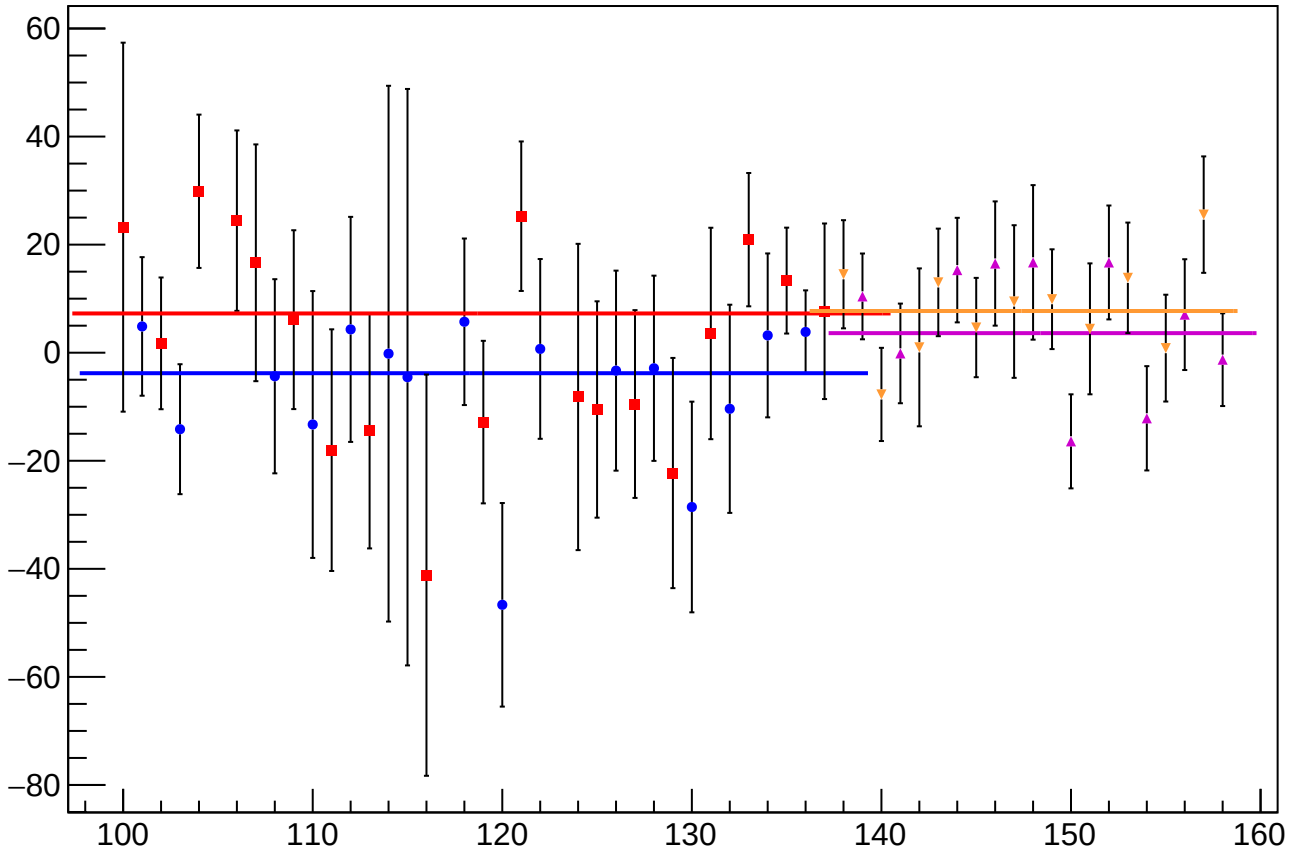
Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

Left In: 825.243+/-0.198 χ^2/NDF:72135.9/9

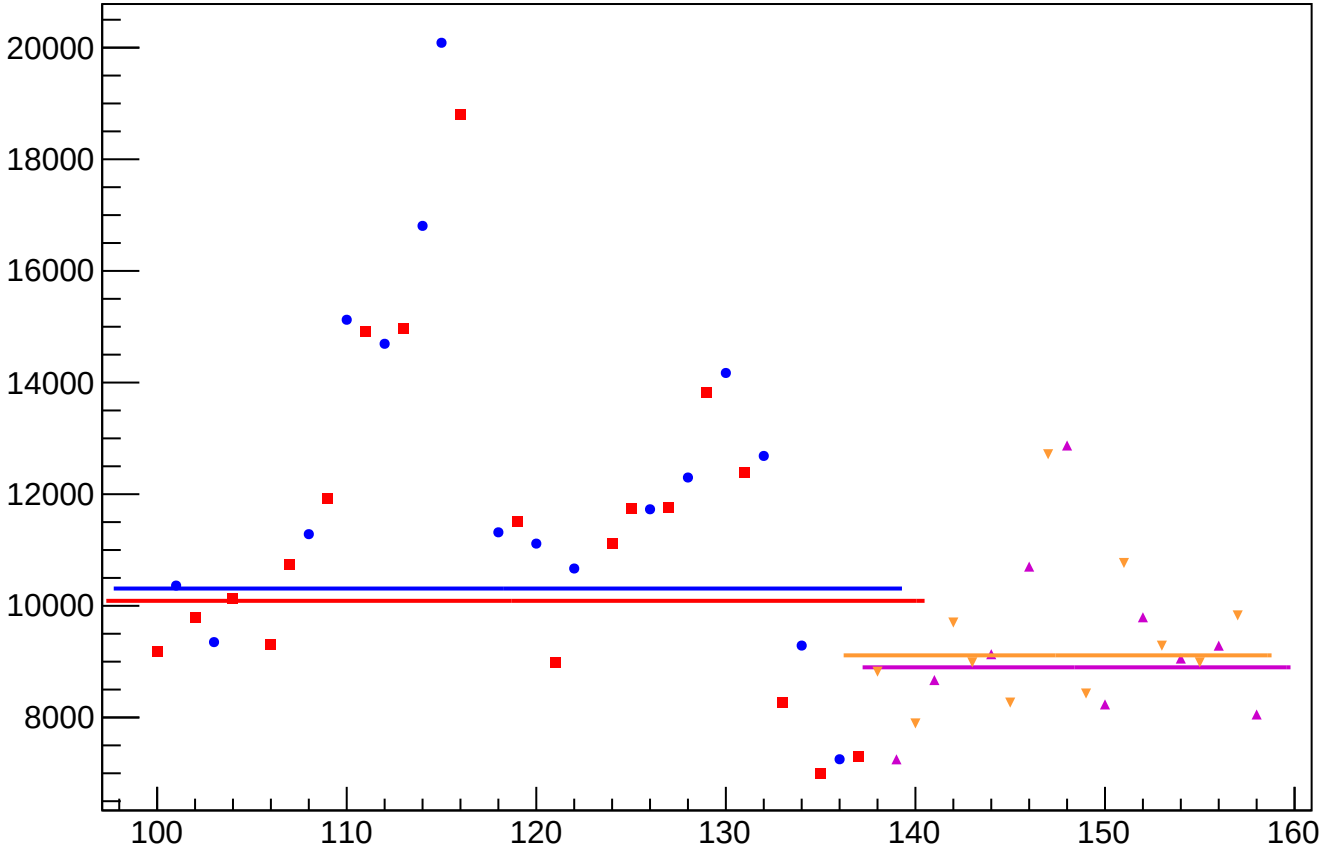
+ sign 933.671+/-0.181 χ^2/NDF: 4932687.3/26

All: 933.507+/-0.128 χ^2/NDF: 10221161.0/55

- sign 933.343+/-0.181 χ^2/NDF: 5288472.0/28


diff_bpmtargetsumY_mean vs Slug
60
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
Right In: -3.795+/-3.943 χ²/NDF: 10.1/15
Left Out: 7.715+/-3.131 χ²/NDF:8.0/10
Right Out: 7.264+/-3.807 χ²/NDF: 17.3/18
Left In: 3.620+/-3.060 χ²/NDF:14.4/9
+ sign 3.264+/-2.452 χ²/NDF: 23.3/26
All: 4.182+/-1.710 χ²/NDF: 55.8/55
- sign 5.050+/-2.385 χ²/NDF: 32.2/28

diff_bpmtargetsumY_rms vs Slug



Right In: 10309.969+/-2.788 χ^2/NDF: 770518.2/15

Left Out: 9112.887+/-2.214 χ^2/NDF:250352.9/10

Right Out: 10089.584+/-2.692 χ^2/NDF: 792788.1/18

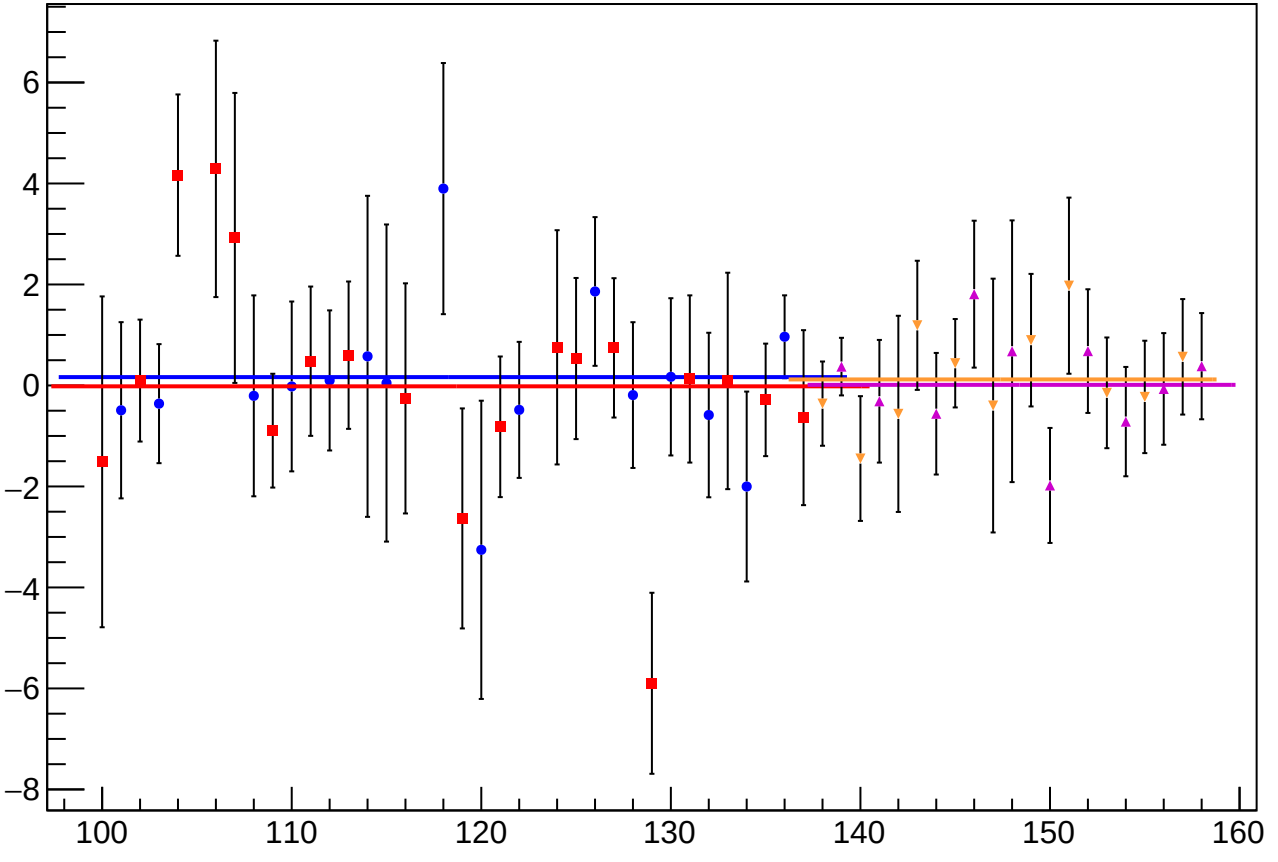
Left In: 8898.414+/-2.164 χ^2/NDF:341211.0/9

+ sign 9575.815+/-1.734 χ^2/NDF: 1133920.1/26

All: 9467.980+/-1.209 χ^2/NDF: 2394396.6/55

- sign 9365.957+/-1.686 χ^2/NDF: 1252949.0/28

diff_bpmtargetdiffY_mean vs Slug



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: 0.119+/-0.359 χ^2/NDF:4.7/10

Right Out: -0.017+/-0.372 χ^2/NDF: 25.2/18

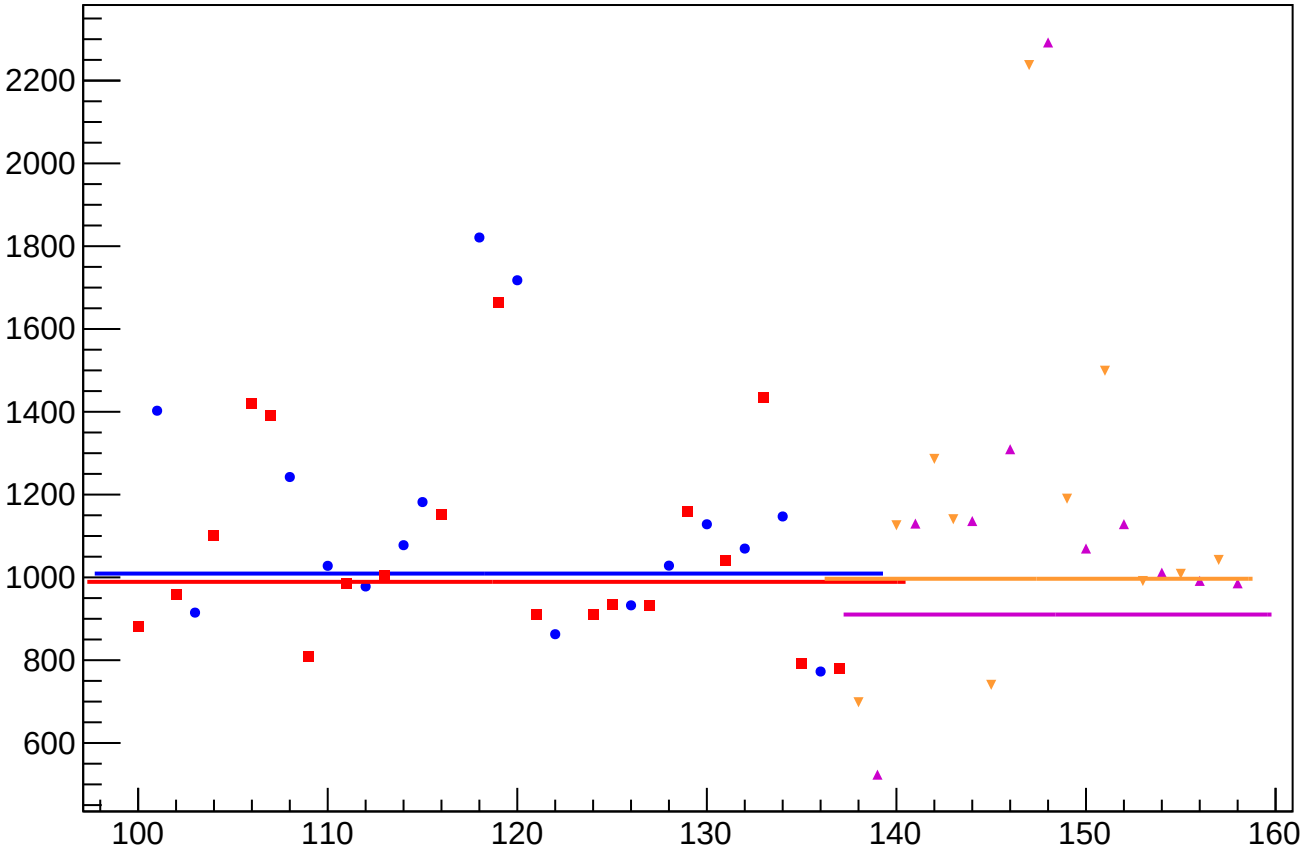
Left In: 0.012+/-0.332 χ^2/NDF:6.2/9

+ sign 0.141+/-0.263 χ^2/NDF: 12.9/26

All: 0.066+/-0.180 χ^2/NDF: 44.4/55

- sign -0.001+/-0.248 χ^2/NDF: 31.4/28

diff_bpmtargetdiffY_rms vs Slug



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 996.693+/-0.254 χ^2/NDF:1219073.6/10

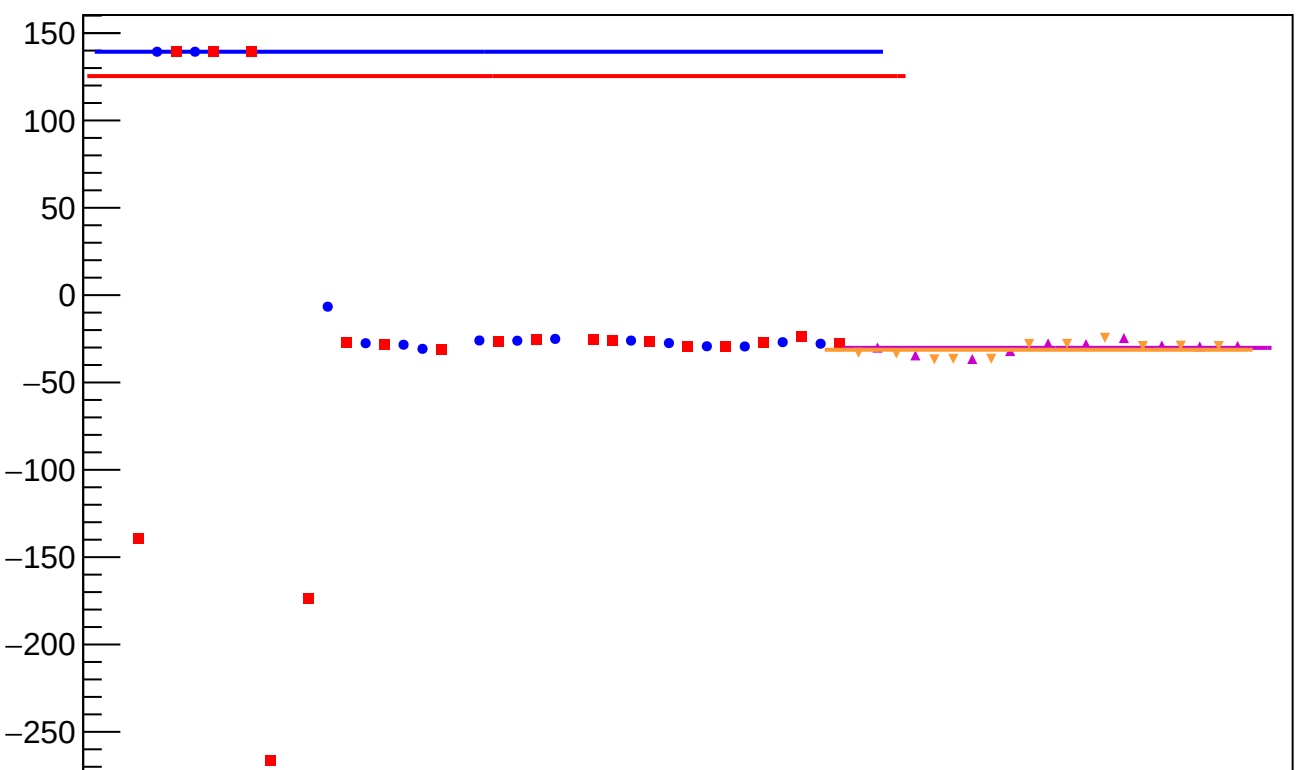
Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 910.278+/-0.235 χ^2/NDF:1916215.3/9

+ sign 1002.505+/-0.186 χ^2/NDF: 1919505.3/26

All: 972.160+/-0.128 χ^2/NDF: 4511815.5/55

- sign 945.256+/-0.175 χ^2/NDF: 2542118.2/28



Right In: 139.337+/-0.000 χ^2/NDF: 47088045550.1/15

Left Out: -31.277+/-0.000 χ^2/NDF:75318402.4/10

Right Out: 125.392+/-0.000 χ^2/NDF: 774173119844052.5/18

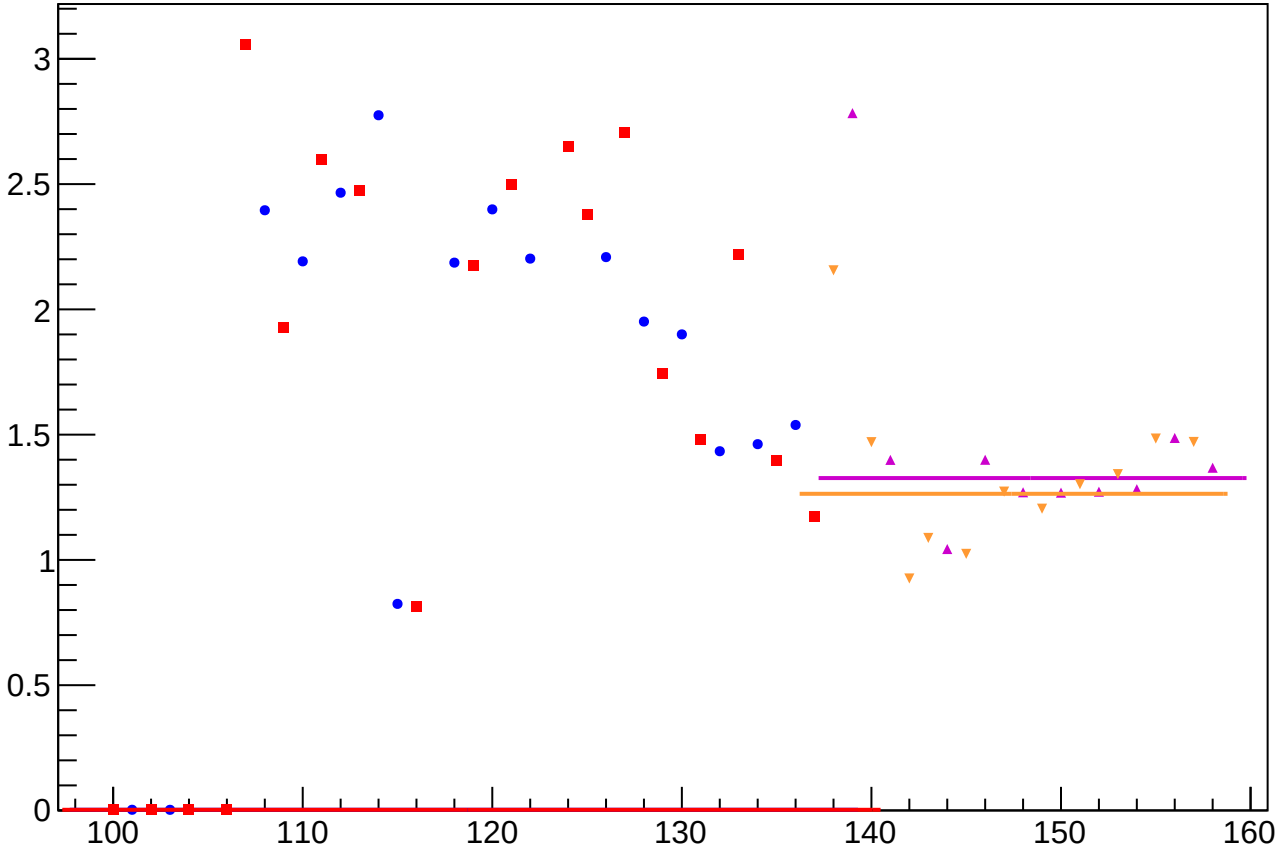
Left In: -30.180+/-0.001 χ^2/NDF:52261538.0/9

+ sign 139.333+/-0.000 χ^2/NDF: 168482471515.9/2

All: 131.815+/-0.000 χ^2/NDF: 79321817009

- sign 125.389+/-0.000 χ^2/NDF: 774267406704798

yield_cav4bX_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.264+/-0.000 χ^2/NDF:488775.7/10

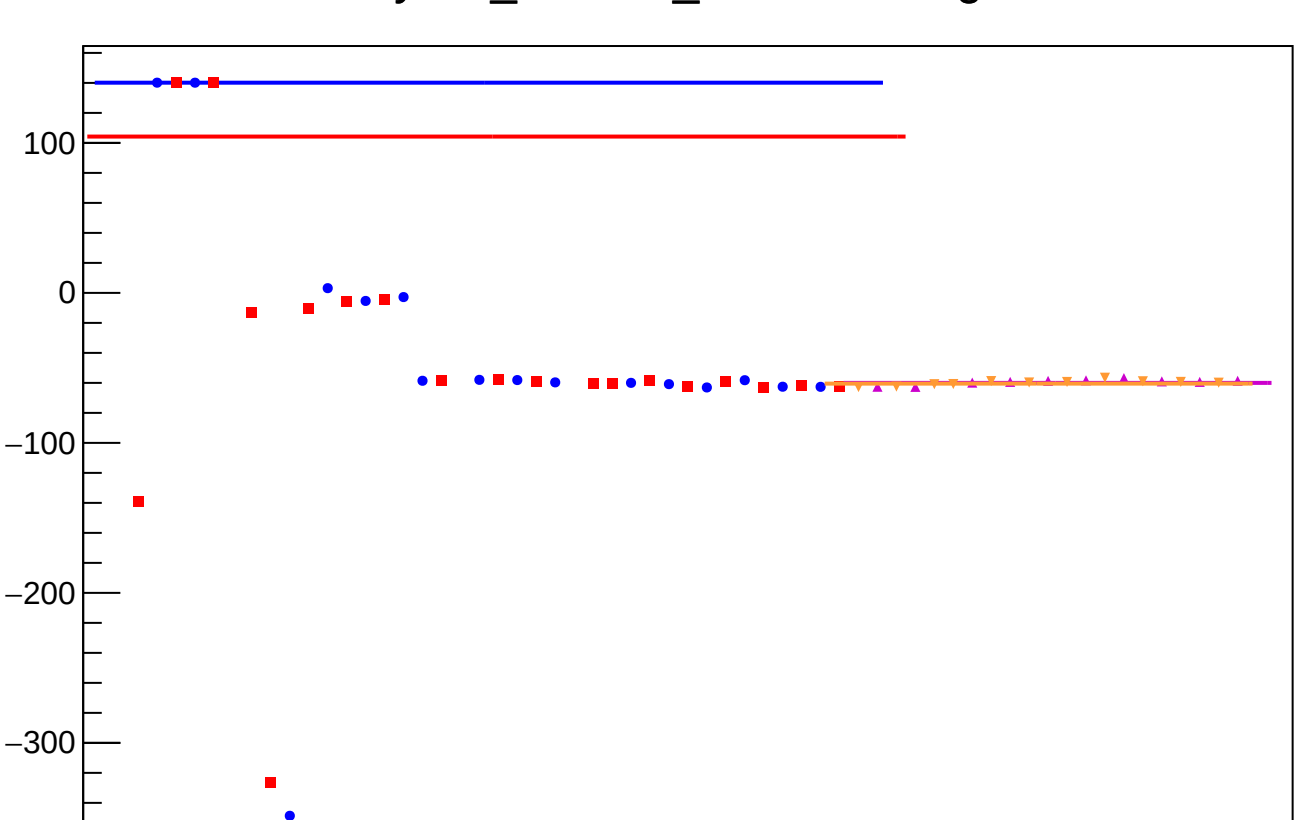
Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.327+/-0.000 χ^2/NDF:583867.8/9

+ sign 0.003+/-0.000 χ^2/NDF: 23313498.4/26

All: 0.003+/-0.000 χ^2/NDF: 47283517.2/55

- sign 0.003+/-0.000 χ^2/NDF: 23969774.5/28



Right In: 140.143+/-0.000 χ^2/NDF: 187461723281.9/15

Left Out: -60.487+/-0.000 χ^2/NDF:36243302.3/10

Right Out: 104.224+/-0.000 χ^2/NDF: 1257401882577977.0/18

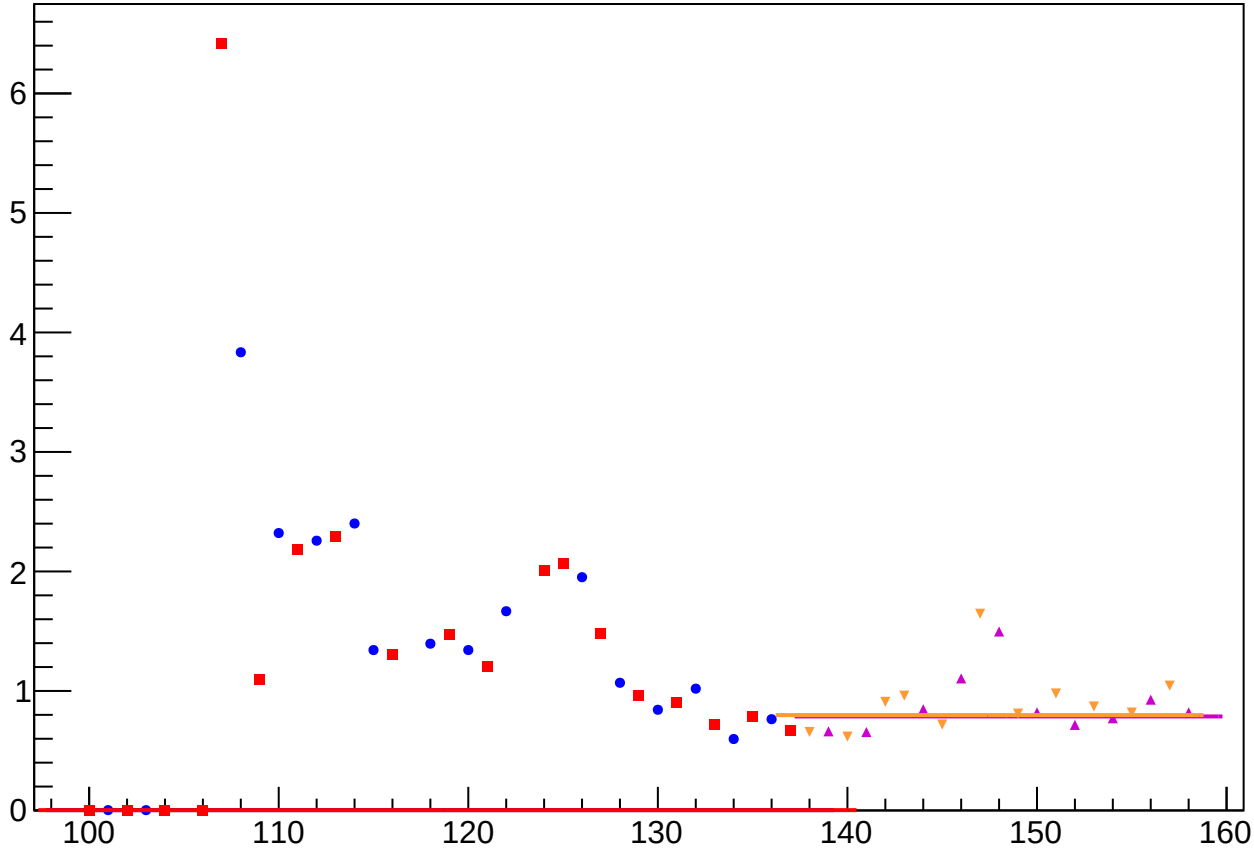
Left In: -60.001+/-0.000 χ^2/NDF:47425766.3/9

+ sign 140.132+/-0.000 χ^2/NDF: 591122286557.4/2

All: 120.822+/-0.000 χ^2/NDF: 13815715663

- sign 104.216+/-0.000 χ^2/NDF: 125768739129685

yield_cav4bY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.798+/-0.000 χ^2/NDF:763860.5/10

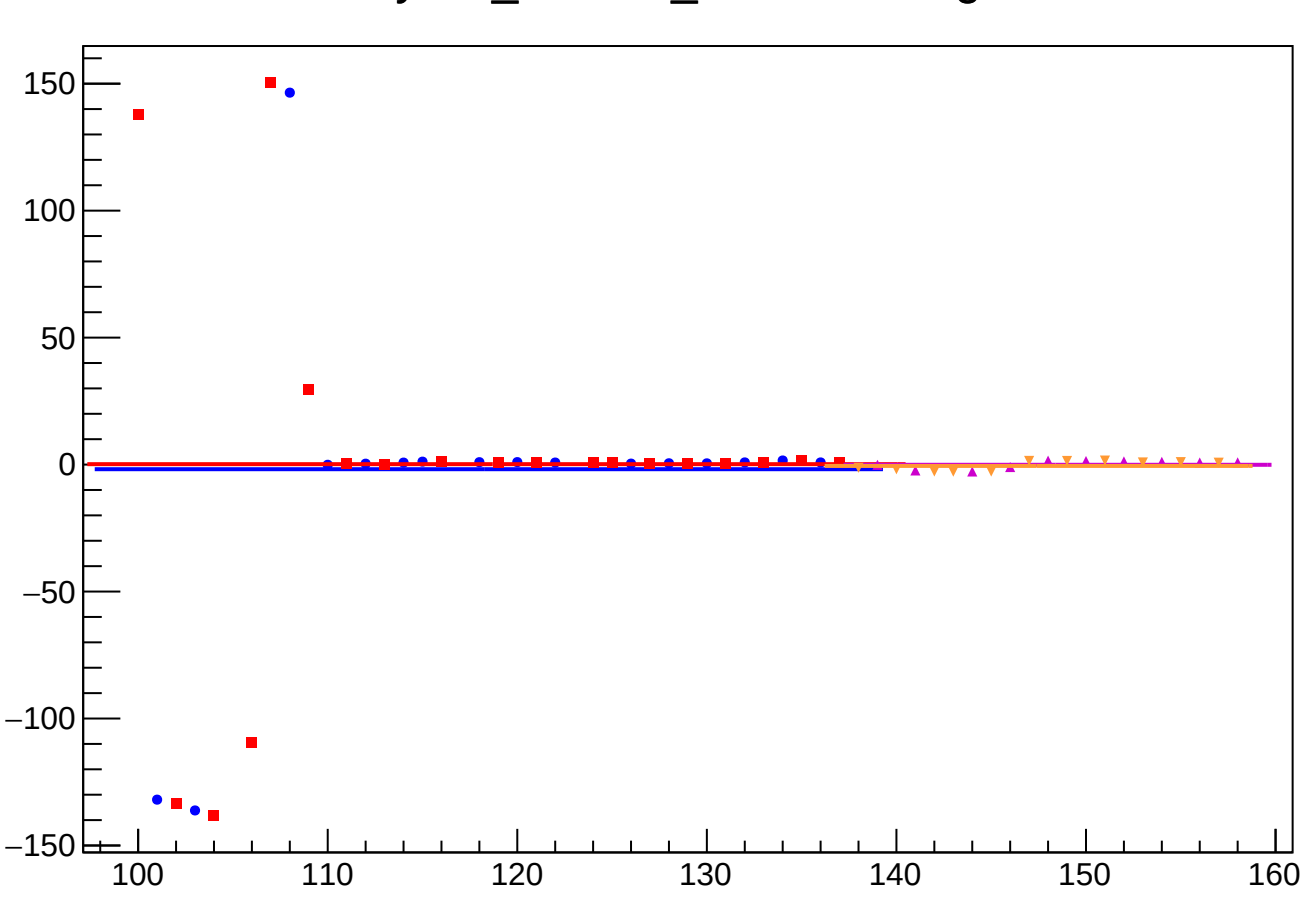
Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.787+/-0.000 χ^2/NDF:599593.4/9

+ sign 0.003+/-0.000 χ^2/NDF: 24027228.8/26

All: 0.003+/-0.000 χ^2/NDF: 47905813.2/55

- sign 0.003+/-0.000 χ^2/NDF: 23878314.0/28



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: -0.527+/-0.000 χ^2/NDF:79522390.3/10

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

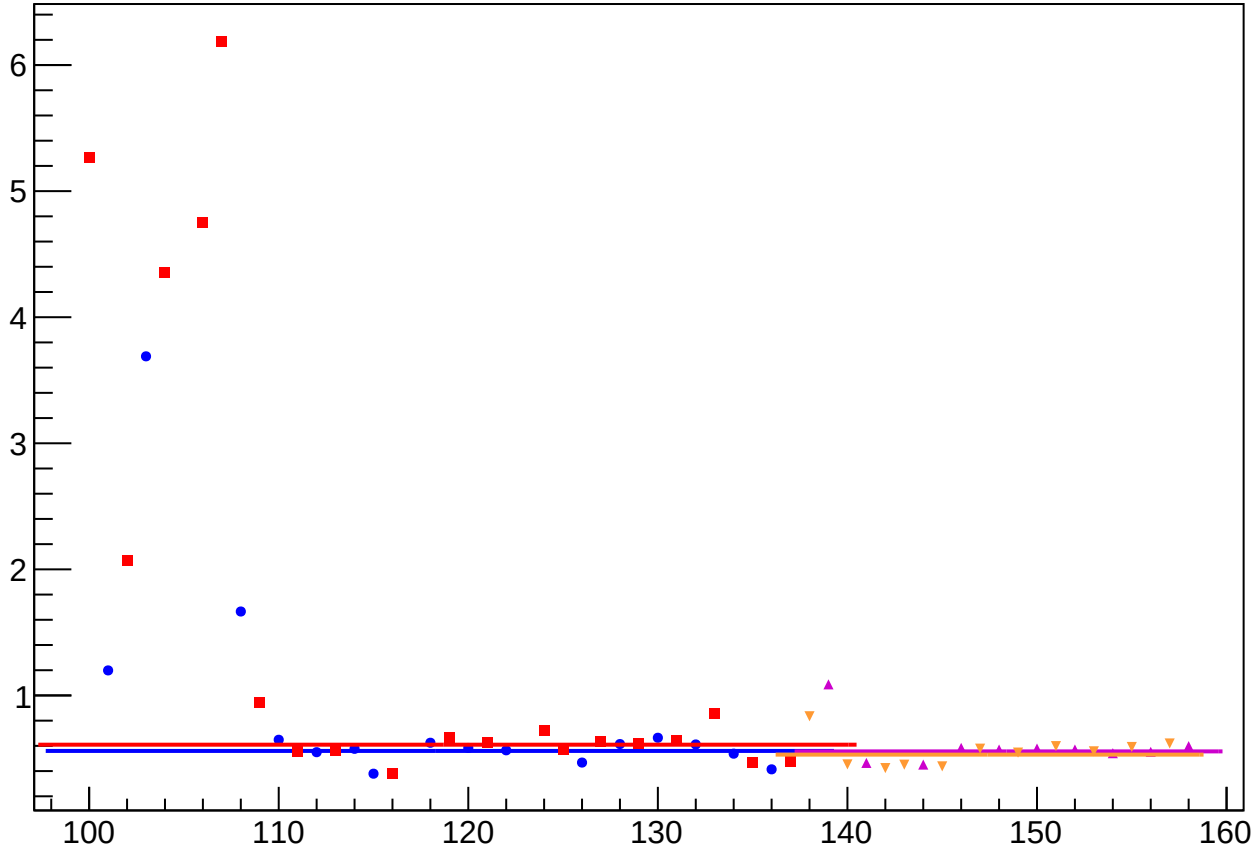
Left In: -0.082+/-0.000 χ^2/NDF:59531170.9/9

+ sign -1.052+/-0.000 χ^2/NDF: 9982644657.1/26

All: -0.550+/-0.000 χ^2/NDF: 13675104934.5/

- sign 0.011+/-0.000 χ^2/NDF: 3671282552.2/28

yield_cav4cX_rms vs Slug



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.531+/-0.000 χ^2/NDF:409334.6/10

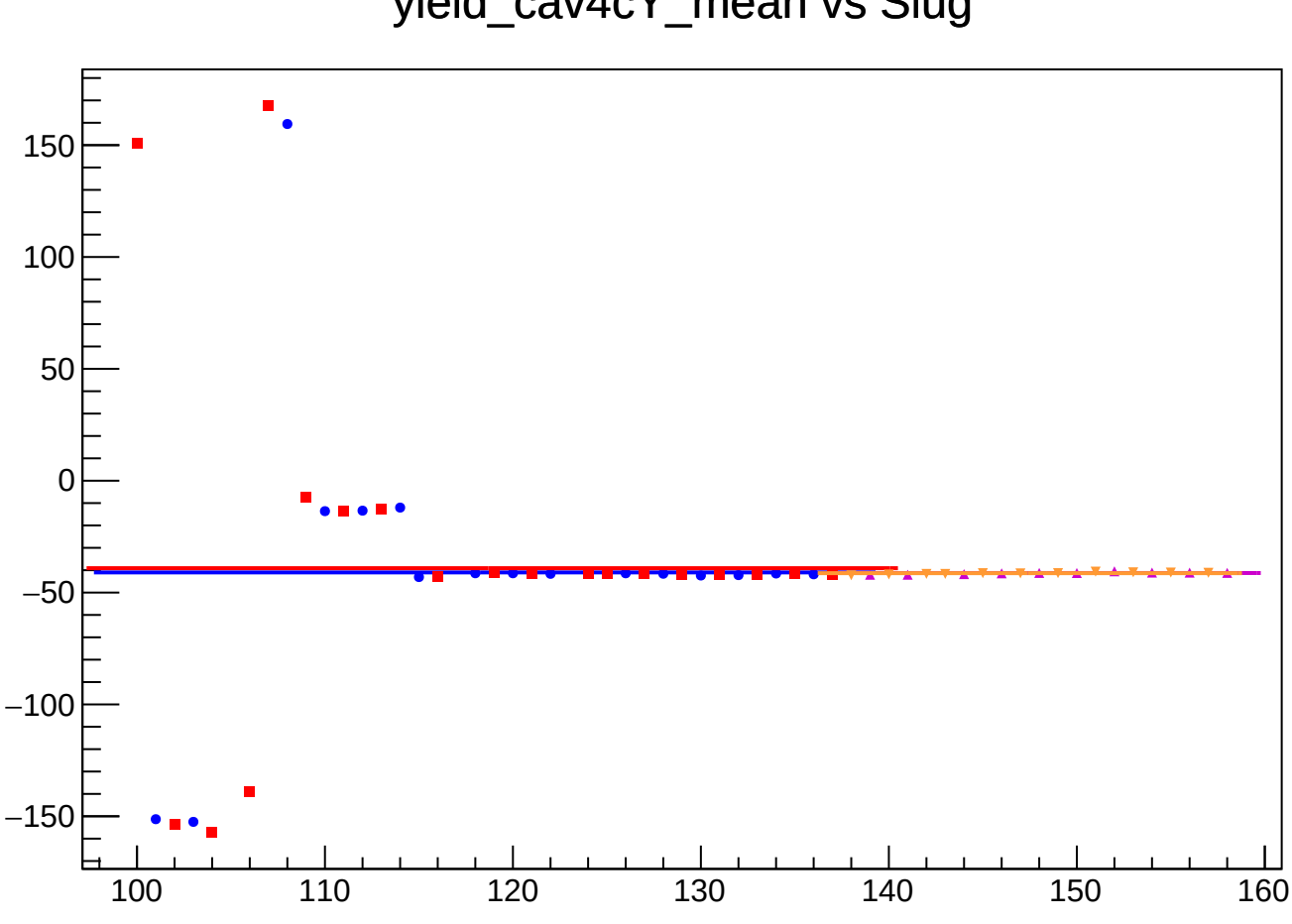
Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.556+/-0.000 χ^2/NDF:535005.3/9

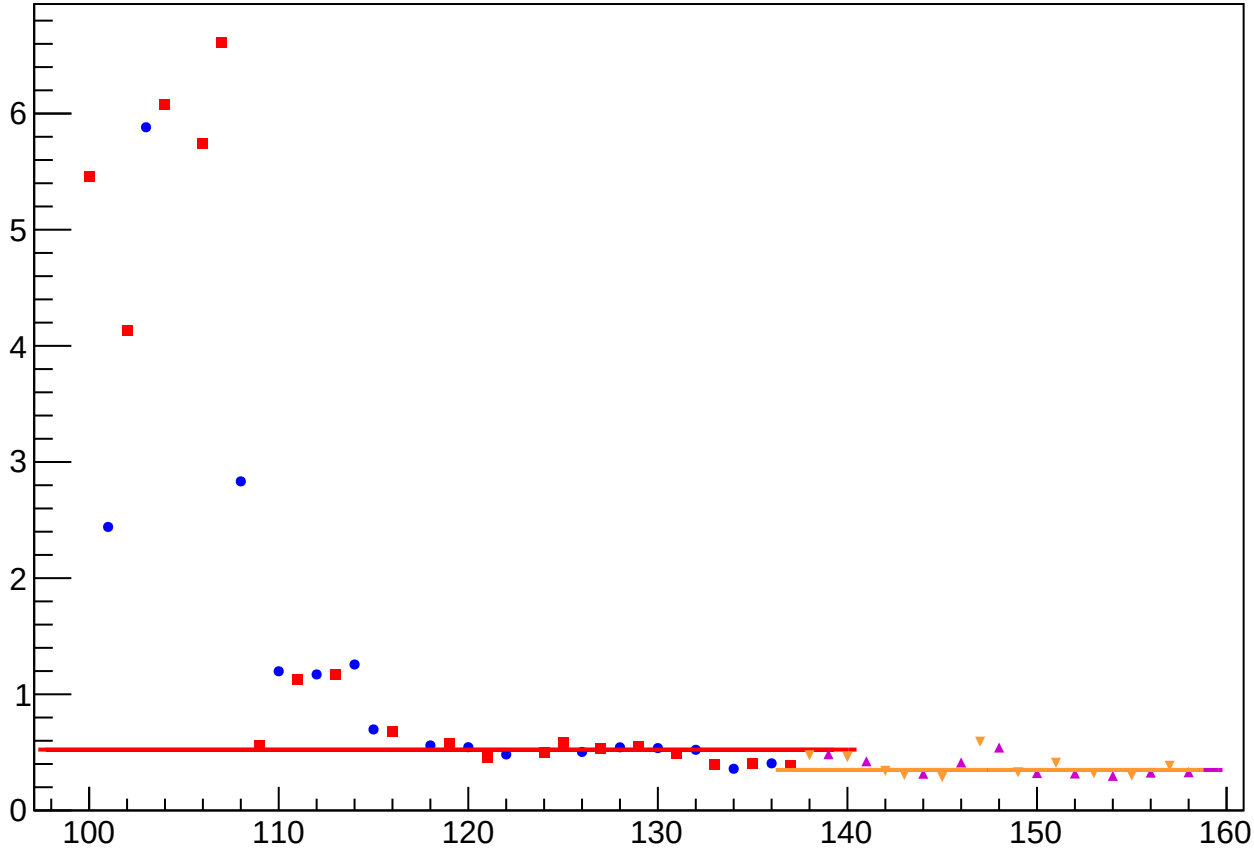
+ sign 0.542+/-0.000 χ^2/NDF: 2024156.0/26

All: 0.558+/-0.000 χ^2/NDF: 5124984.1/55

- sign 0.576+/-0.000 χ^2/NDF: 3058144.7/28


yield_cav4cY_mean vs Slug
150
100
50
0
−50
−100
−150
100
110
120
130
140
150
160
Right In: -40.987+/-0.000 χ²/NDF: 3449622021.8/15
Left Out: -41.324+/-0.000 χ²/NDF:9227766.1/10
Right Out: -39.101+/-0.000 χ²/NDF: 2480133442.0/18
Left In: -41.256+/-0.000 χ²/NDF:12016763.8/9
+ sign -41.249+/-0.000 χ²/NDF: 3460481715.1/26
All: -41.021+/-0.000 χ²/NDF: 6026576306.3/
- sign -40.793+/-0.000 χ²/NDF: 2557446233.2/28

yield_cav4cY_rms vs Slug



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.349+/-0.000 χ^2/NDF:663825.3/10

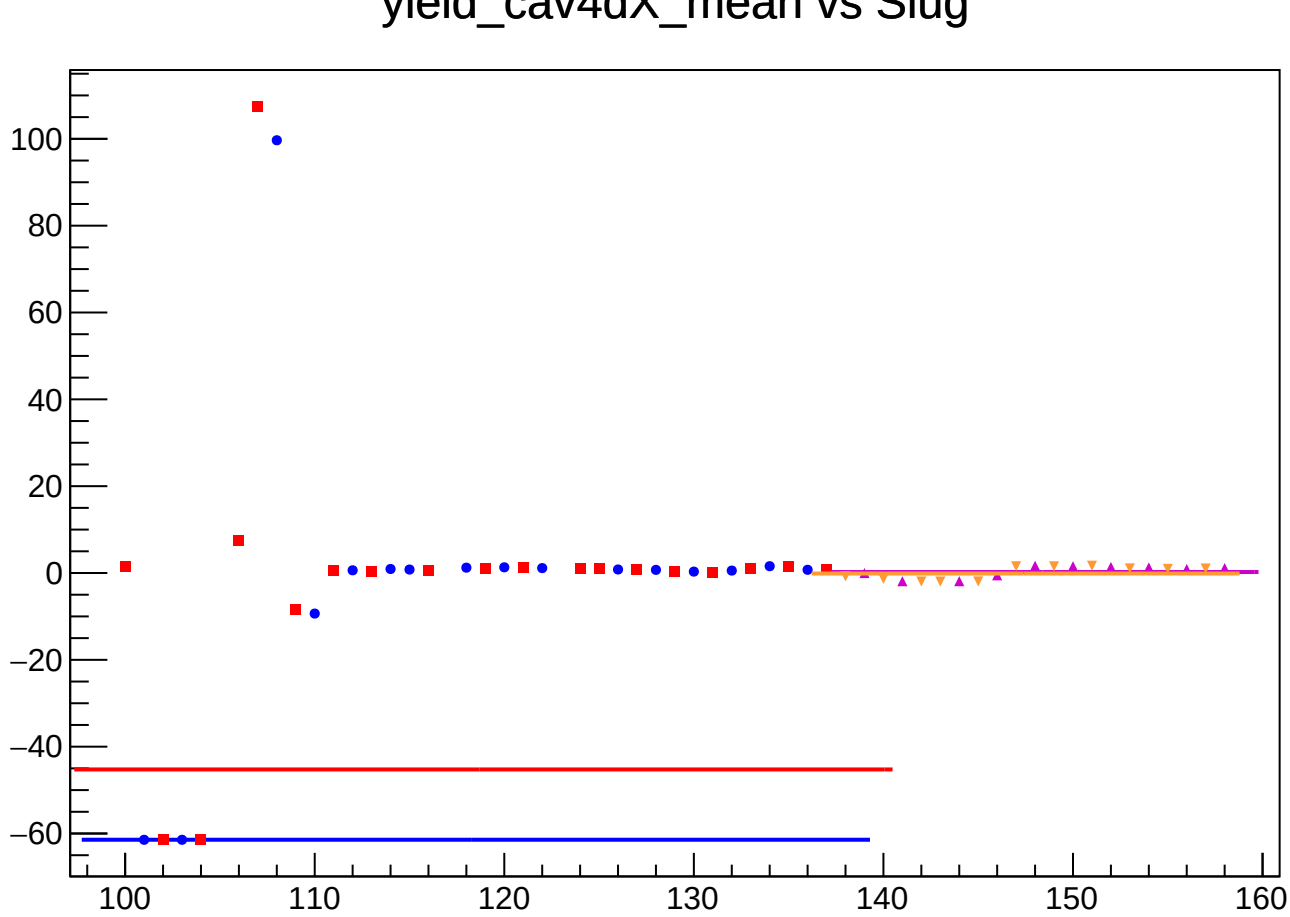
Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

Left In: 0.349+/-0.000 χ^2/NDF:515341.1/9

+ sign 0.387+/-0.000 χ^2/NDF: 4476220.3/26

All: 0.387+/-0.000 χ^2/NDF: 9119630.4/55

- sign 0.386+/-0.000 χ^2/NDF: 4643356.8/28



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: -0.120+/-0.000 χ^2/NDF:78959903.1/10

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

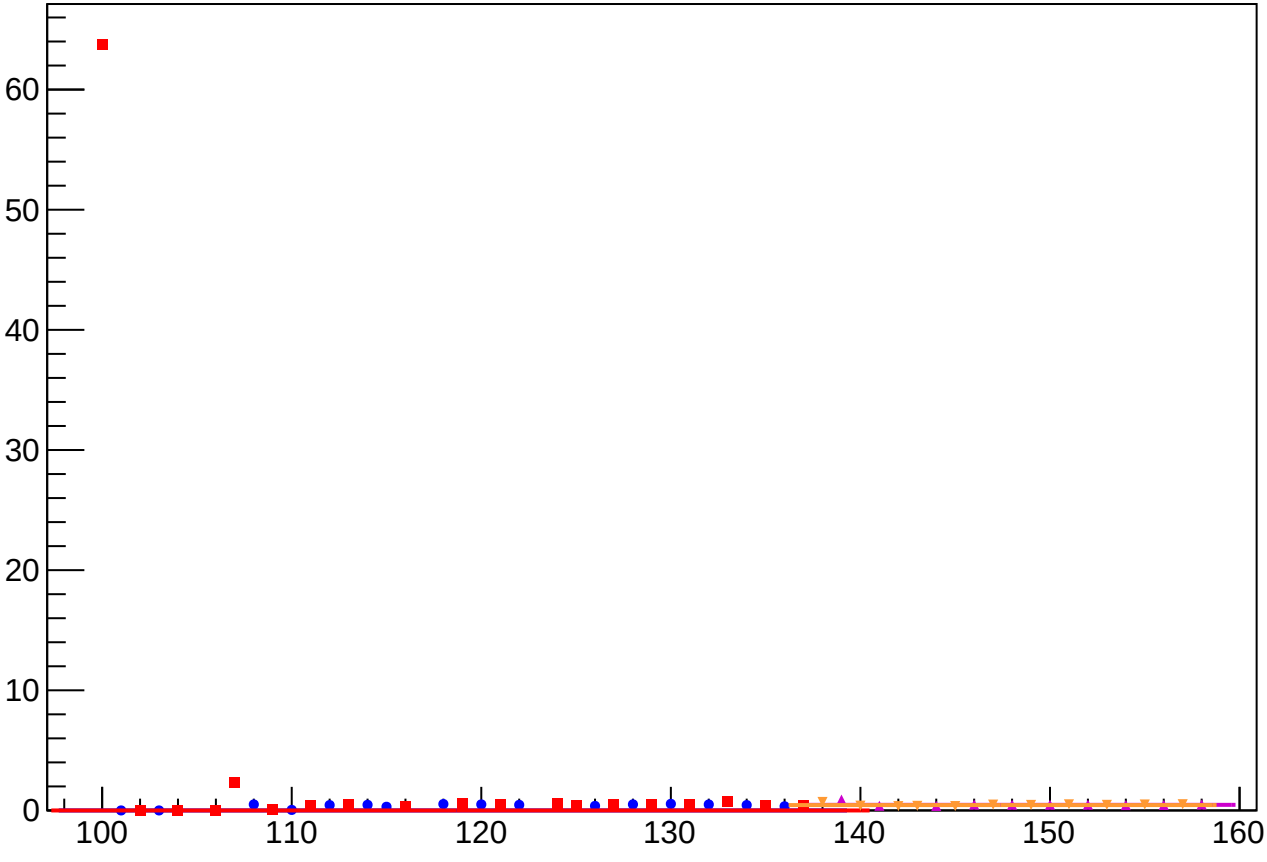
Left In: 0.227+/-0.000 χ^2/NDF:63975852.0/9

+ sign -61.430+/-0.000 χ^2/NDF: 397950212078.5/2

All: -52.745+/-0.000 χ^2/NDF: 409301920600

- sign -45.242+/-0.000 χ^2/NDF: 357935396665288.

yield_cav4dX_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.448+/-0.000 χ^2/NDF:401407.4/10

Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

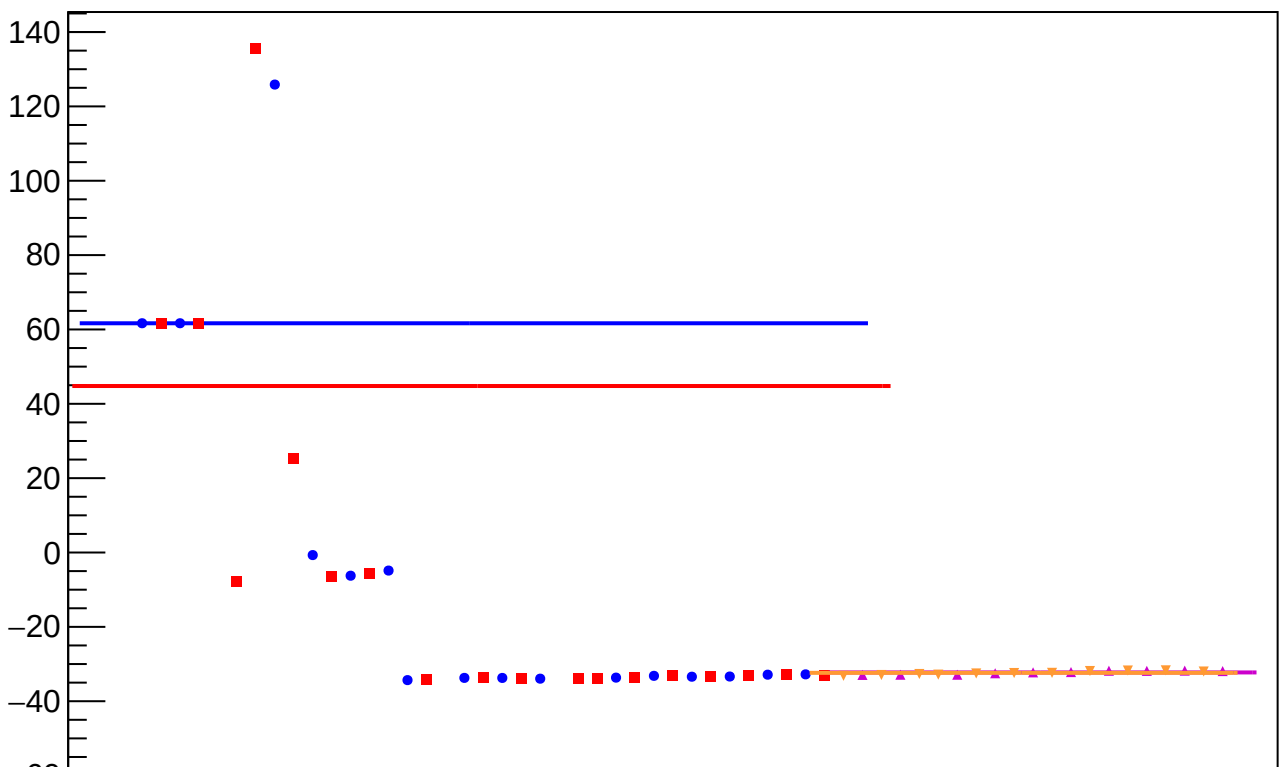
Left In: 0.467+/-0.000 χ^2/NDF:530823.0/9

+ sign 0.002+/-0.000 χ^2/NDF: 22768042.9/26

All: 0.002+/-0.000 χ^2/NDF: 46266336.9/55

- sign 0.001+/-0.000 χ^2/NDF: 23498267.2/28

yield_cav4dY_mean vs Slug



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.365+/-0.000 χ^2/NDF:21752963.8/10

Right Out: 44.786+/-0.000 χ^2/NDF: 366094778229951.8/18

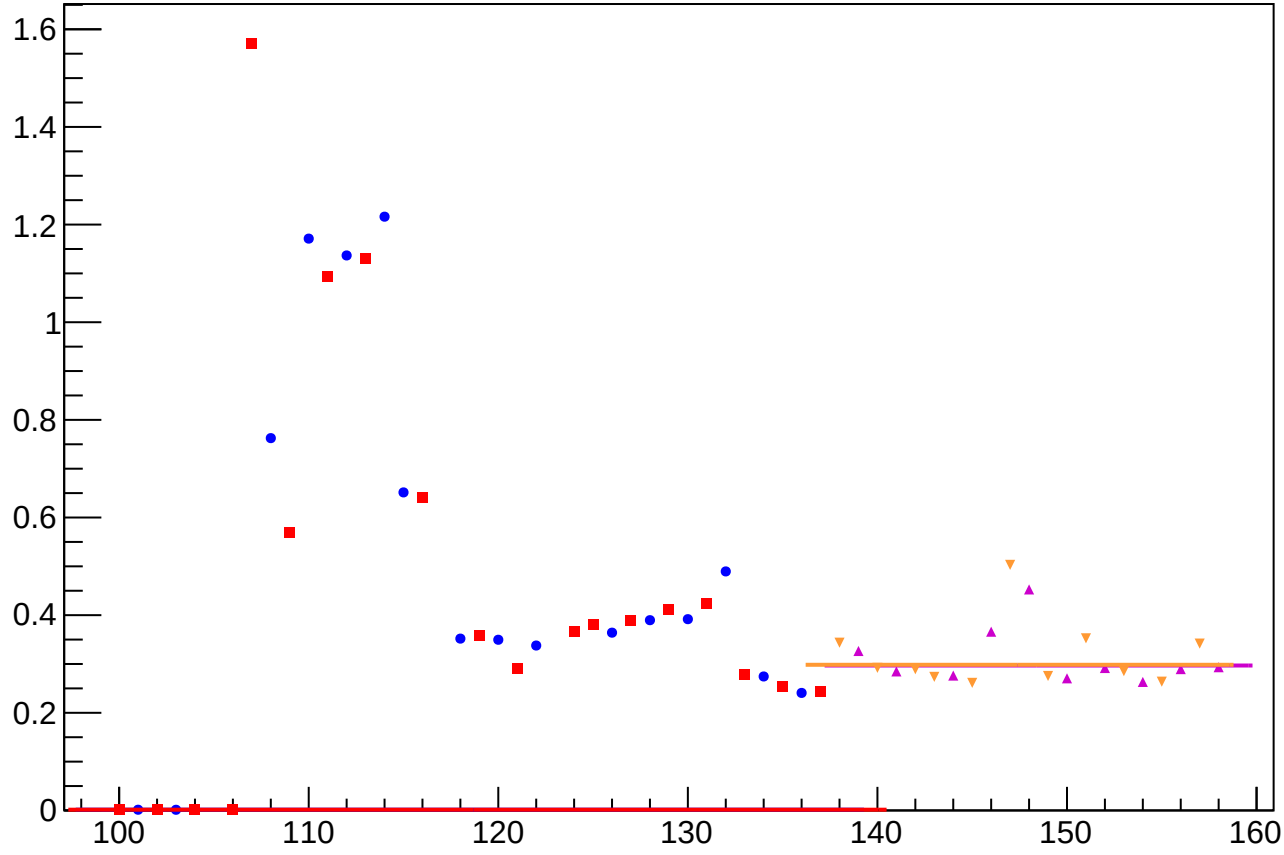
Left In: -32.257+/-0.000 χ^2/NDF:19913304.9/9

+ sign 61.637+/-0.000 χ^2/NDF: 1171125792314.1/2

All: 52.667+/-0.000 χ^2/NDF: 418897487918

- sign 44.767+/-0.000 χ^2/NDF: 366648751047774.6

yield_cav4dY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.298+/-0.000 χ^2/NDF:440474.0/10

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

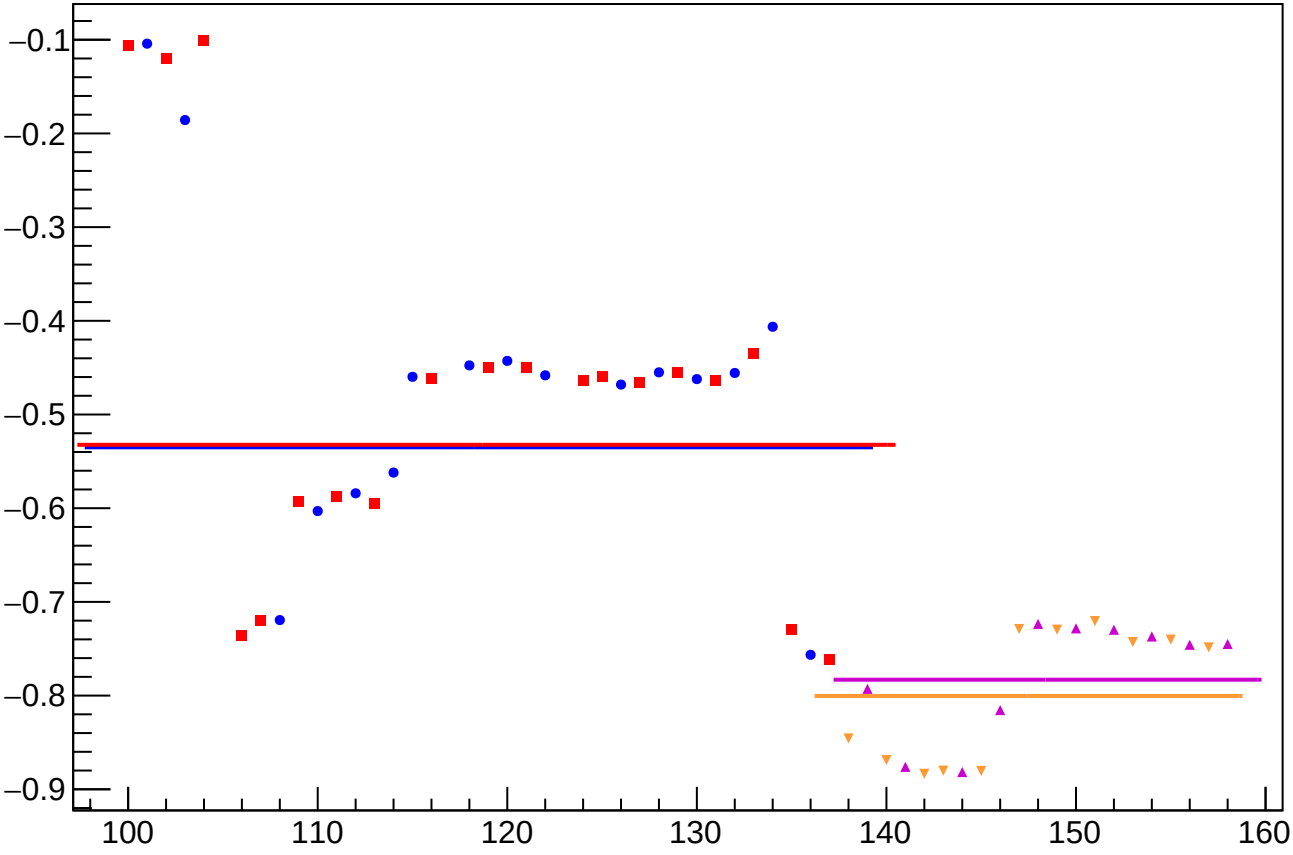
Left In: 0.297+/-0.000 χ^2/NDF:319023.1/9

+ sign 0.002+/-0.000 χ^2/NDF: 27443838.7/26

All: 0.002+/-0.000 χ^2/NDF: 54602314.1/55

- sign 0.002+/-0.000 χ^2/NDF: 27158431.4/28

yield_bpm4aX_mean vs Slug



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.800+/-0.000 χ^2/NDF:88442919.4/10

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

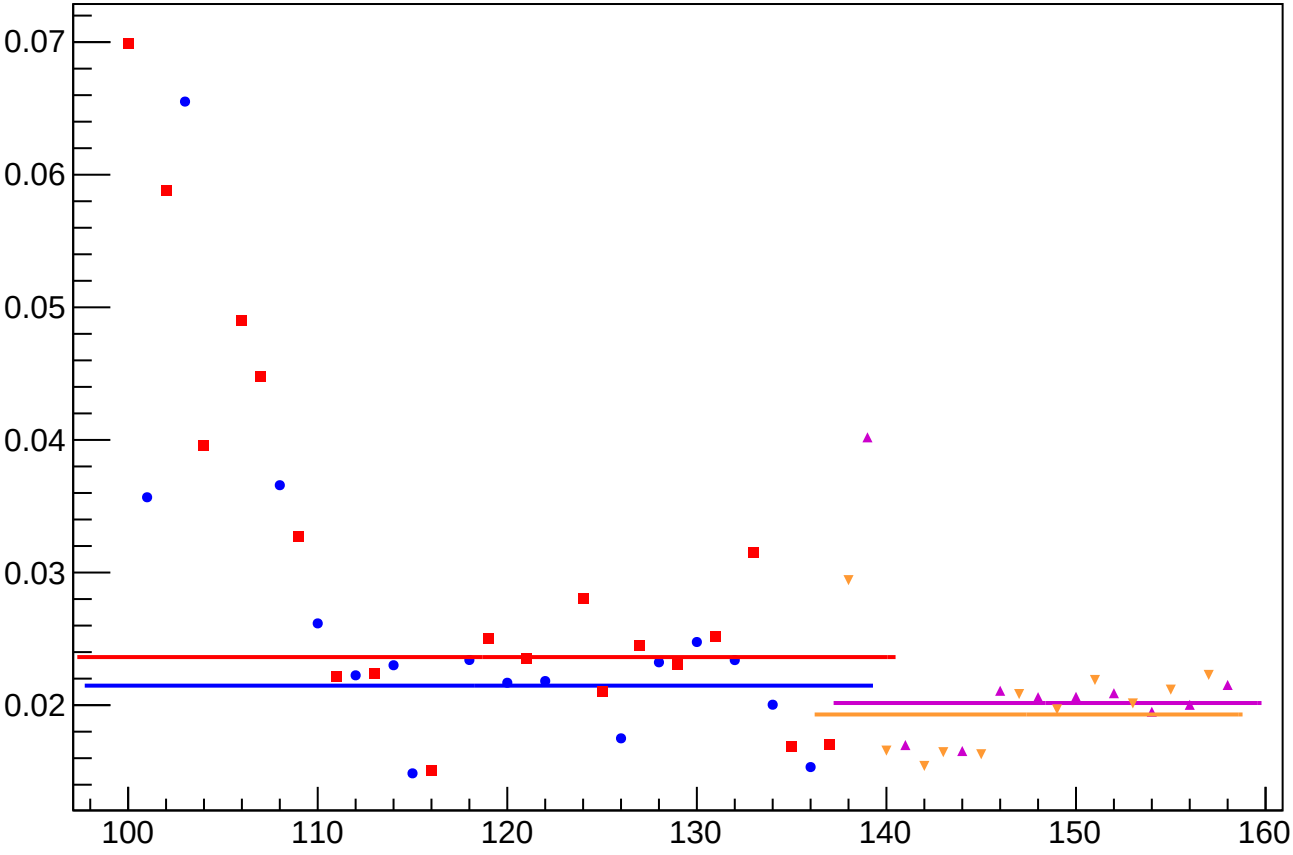
Left In: -0.783+/-0.000 χ^2/NDF:67475030.2/9

+ sign -0.695+/-0.000 χ^2/NDF: 884444902.1/26

All: -0.693+/-0.000 χ^2/NDF: 1560365403.9/5

- sign -0.690+/-0.000 χ^2/NDF: 675425192.8/28

yield_bpm4aX_rms vs Slug



Right In: 0.021+/-0.000 χ^2/NDF: 1153987.6/15

Left Out: 0.019+/-0.000 χ^2/NDF:360248.0/10

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

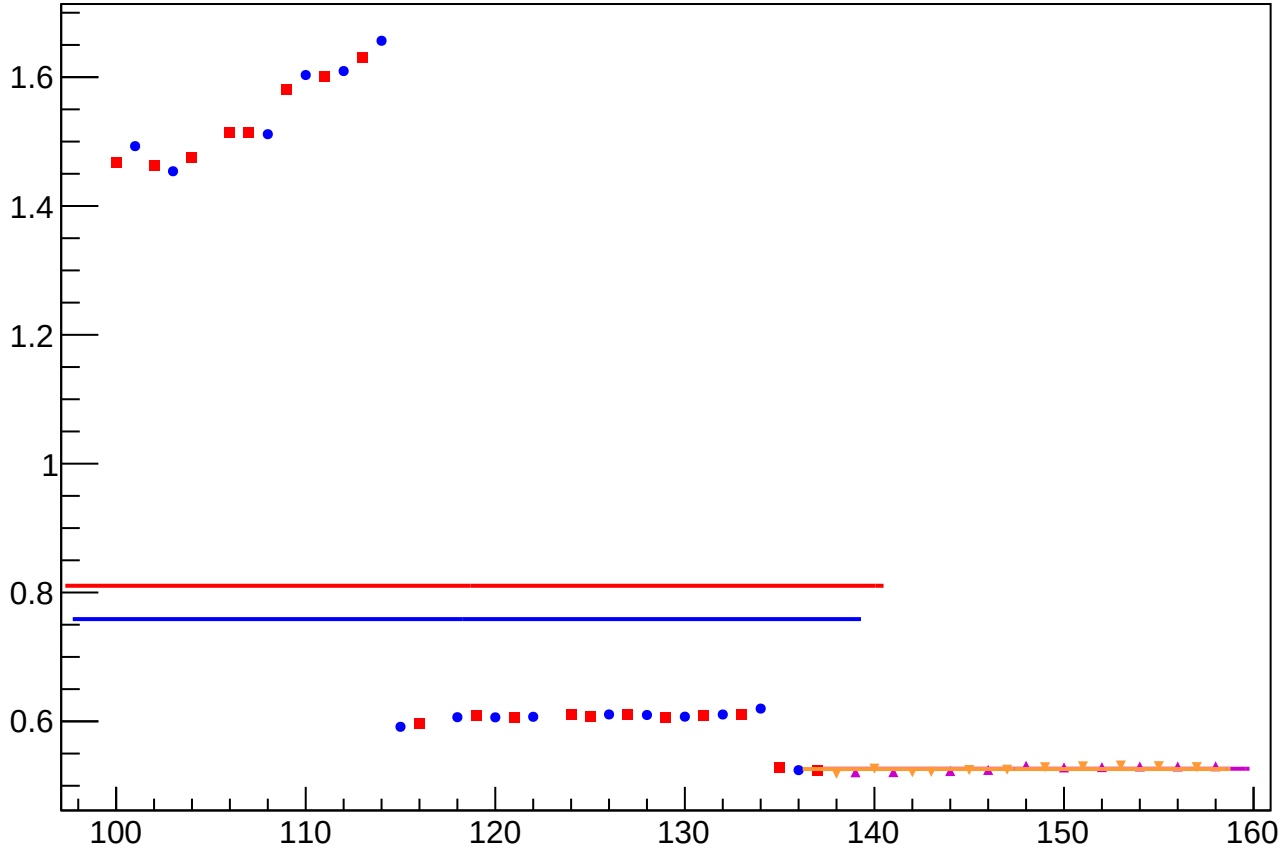
Left In: 0.020+/-0.000 χ^2/NDF:536663.4/9

+ sign 0.020+/-0.000 χ^2/NDF: 1580763.6/26

All: 0.021+/-0.000 χ^2/NDF: 3592247.8/55

- sign 0.021+/-0.000 χ^2/NDF: 1964301.3/28

yield_bpm4aY_mean vs Slug



Right In: 0.759+/-0.000 χ^2/NDF: 4304169889.2/15

Left Out: 0.526+/-0.000 χ^2/NDF:910494.8/10

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

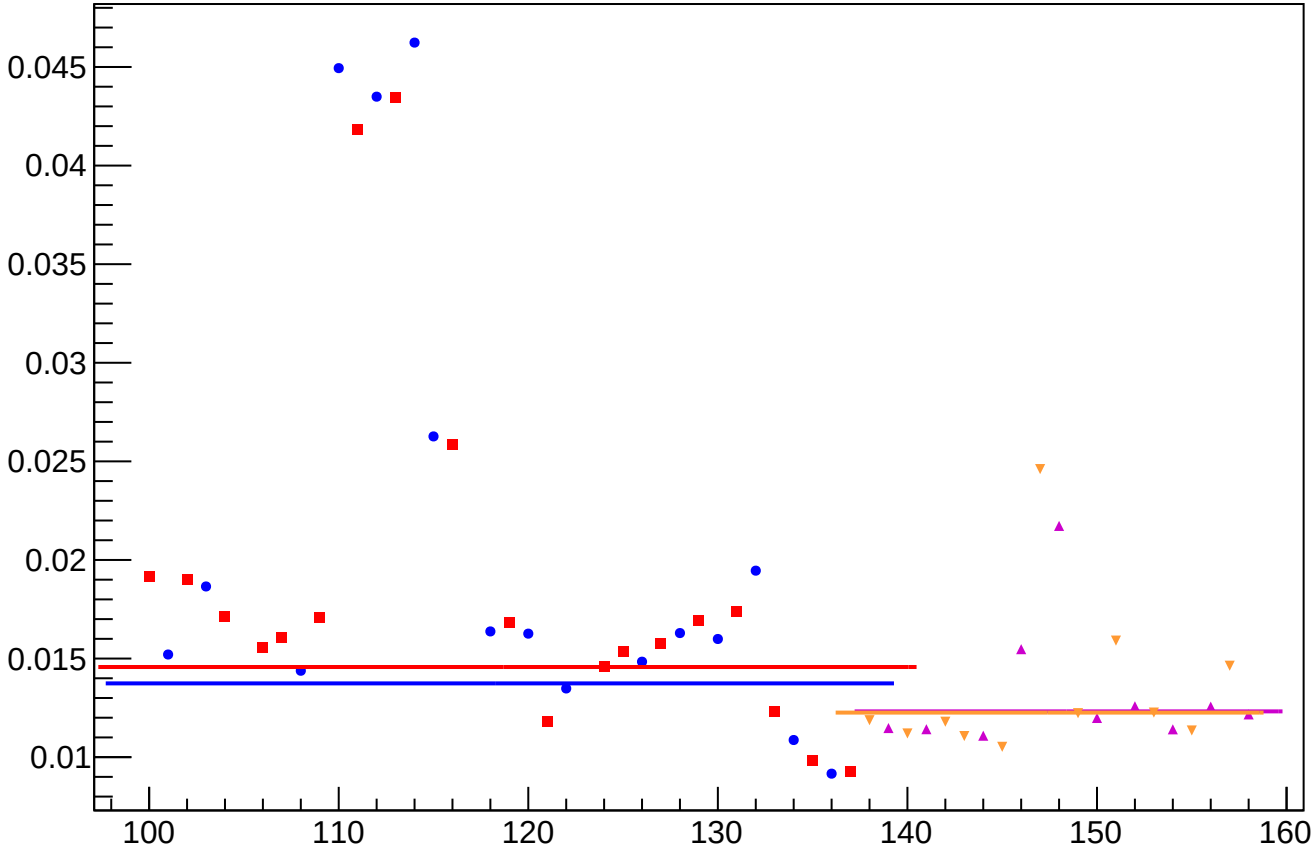
Left In: 0.526+/-0.000 χ^2/NDF:795884.6/9

+ sign 0.612+/-0.000 χ^2/NDF: 5378796304.5/26

All: 0.619+/-0.000 χ^2/NDF: 11691577166.9/5

- sign 0.627+/-0.000 χ^2/NDF: 6304265333.2/28

yield_bpm4aY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1649769.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:611588.4/10

Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

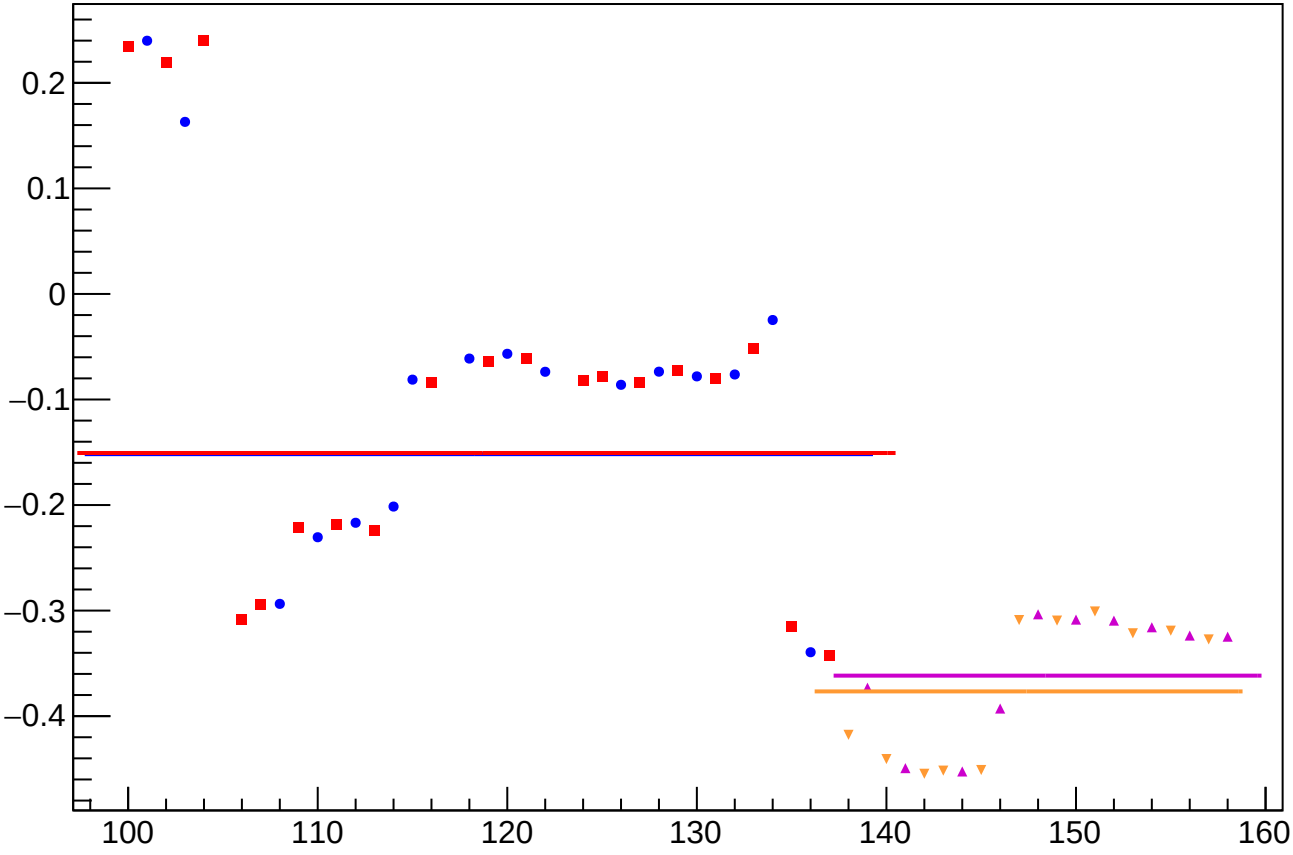
Left In: 0.012+/-0.000 χ^2/NDF:416225.4/9

+ sign 0.013+/-0.000 χ^2/NDF: 2348325.6/26

All: 0.013+/-0.000 χ^2/NDF: 4420027.3/55

- sign 0.013+/-0.000 χ^2/NDF: 2063853.1/28

yield_bpm4eX_mean vs Slug



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.377+/-0.000 χ^2/NDF:86734573.5/10

Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

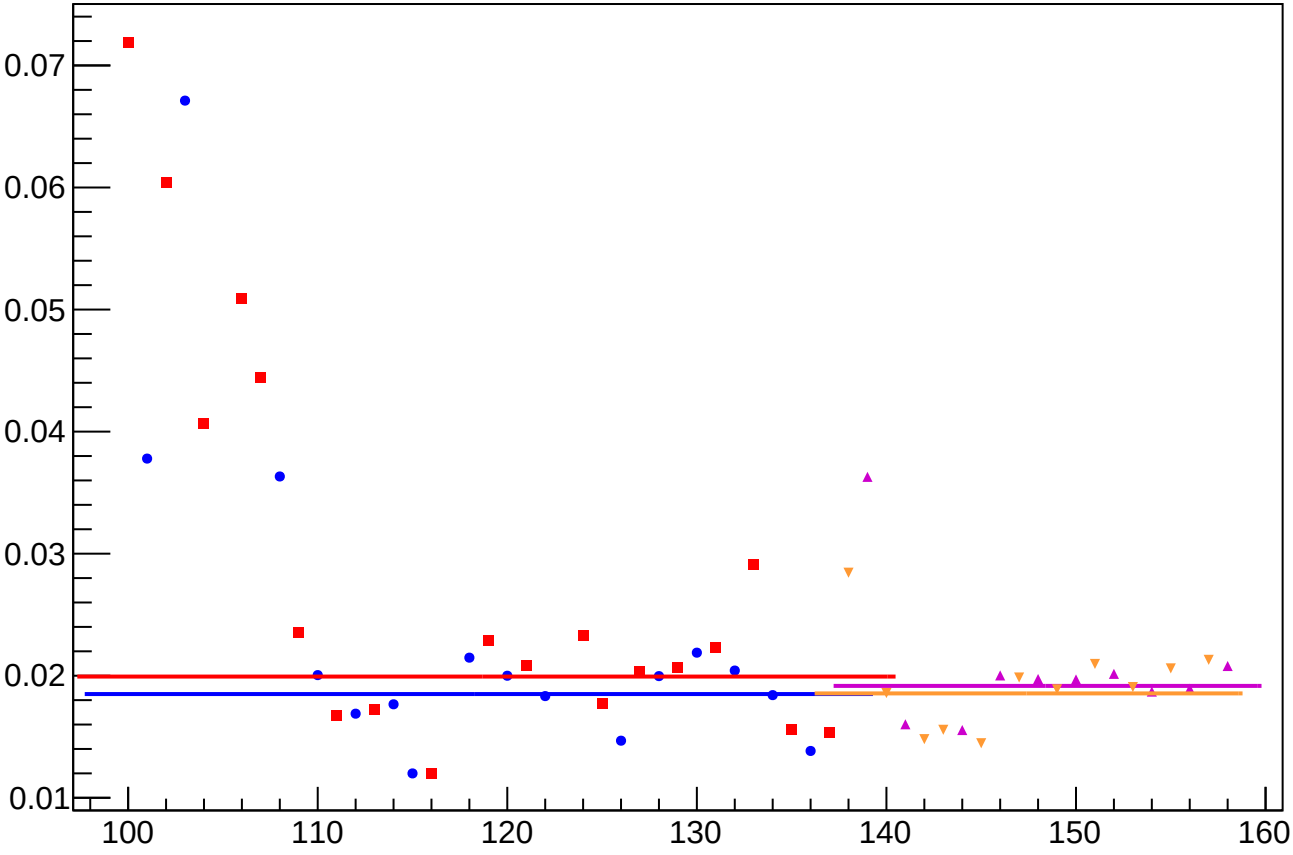
Left In: -0.362+/-0.000 χ^2/NDF:68733707.9/9

+ sign -0.277+/-0.000 χ^2/NDF: 798161161.4/26

All: -0.275+/-0.000 χ^2/NDF: 1418968792.9/5

- sign -0.273+/-0.000 χ^2/NDF: 620432077.1/28

yield_bpm4eX_rms vs Slug



Right In: 0.018+/-0.000 χ^2/NDF: 1372359.1/15

Left Out: 0.019+/-0.000 χ^2/NDF:396804.8/10

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

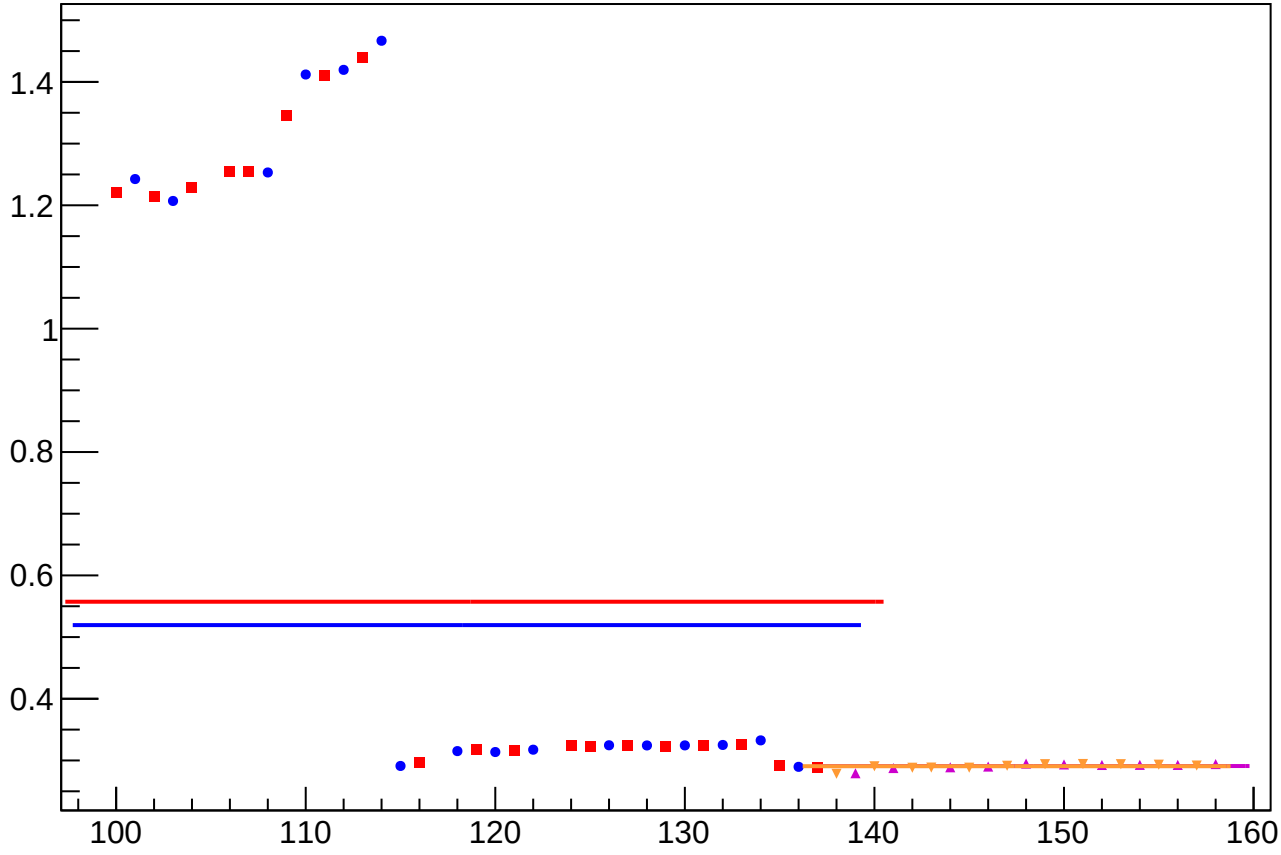
Left In: 0.019+/-0.000 χ^2/NDF:512927.0/9

+ sign 0.019+/-0.000 χ^2/NDF: 1769211.9/26

All: 0.019+/-0.000 χ^2/NDF: 3870061.4/55

- sign 0.019+/-0.000 χ^2/NDF: 2069744.5/28

yield_bpm4eY_mean vs Slug



Right In: 0.519+/-0.000 χ^2/NDF: 6319132275.3/15

Left Out: 0.291+/-0.000 χ^2/NDF:1018910.4/10

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

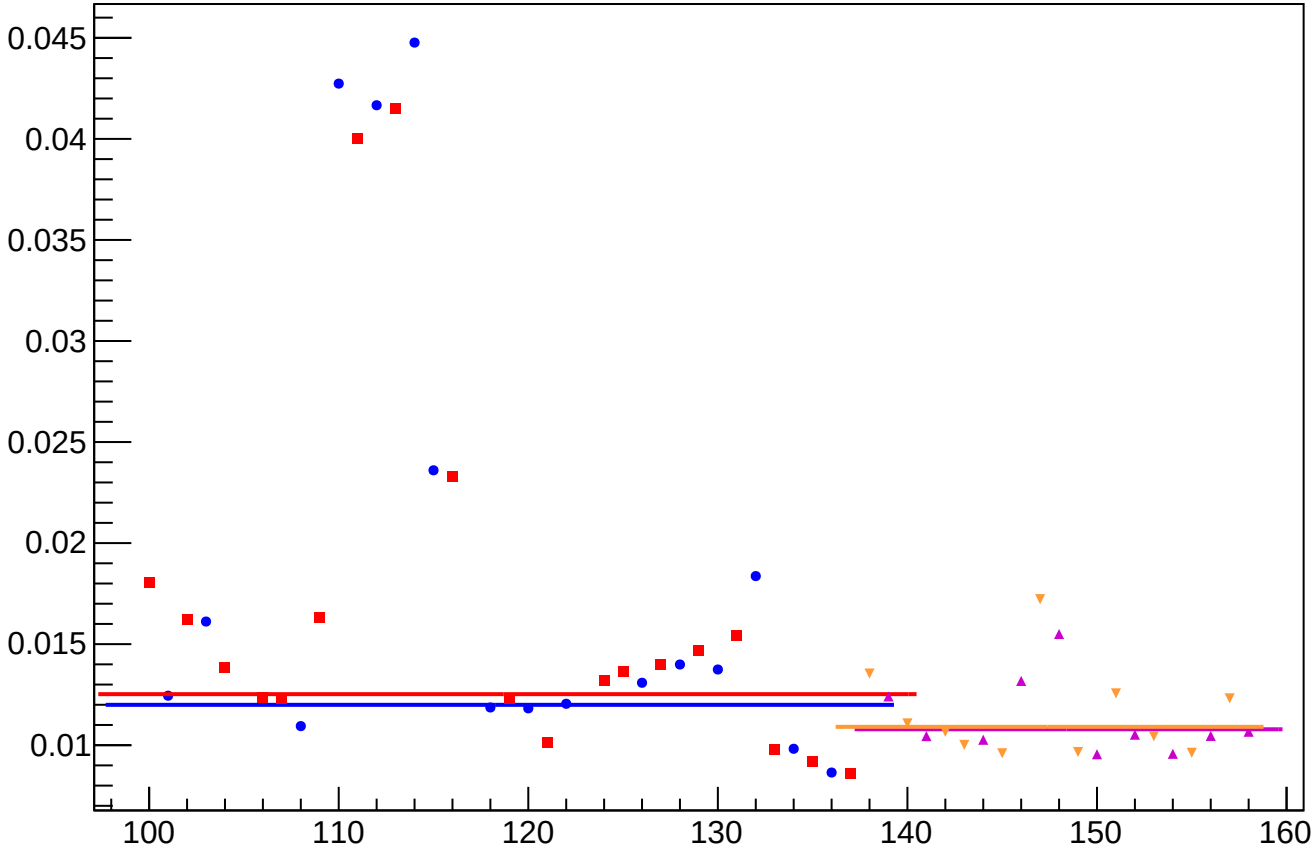
Left In: 0.291+/-0.000 χ^2/NDF:1116844.7/9

+ sign 0.377+/-0.000 χ^2/NDF: 7665435098.9/26

All: 0.382+/-0.000 χ^2/NDF: 16201155330.4/5

- sign 0.386+/-0.000 χ^2/NDF: 8531979333.3/28

yield_bpm4eY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 1491608.2/15

Left Out: 0.011+/-0.000 χ^2/NDF:420058.1/10

Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

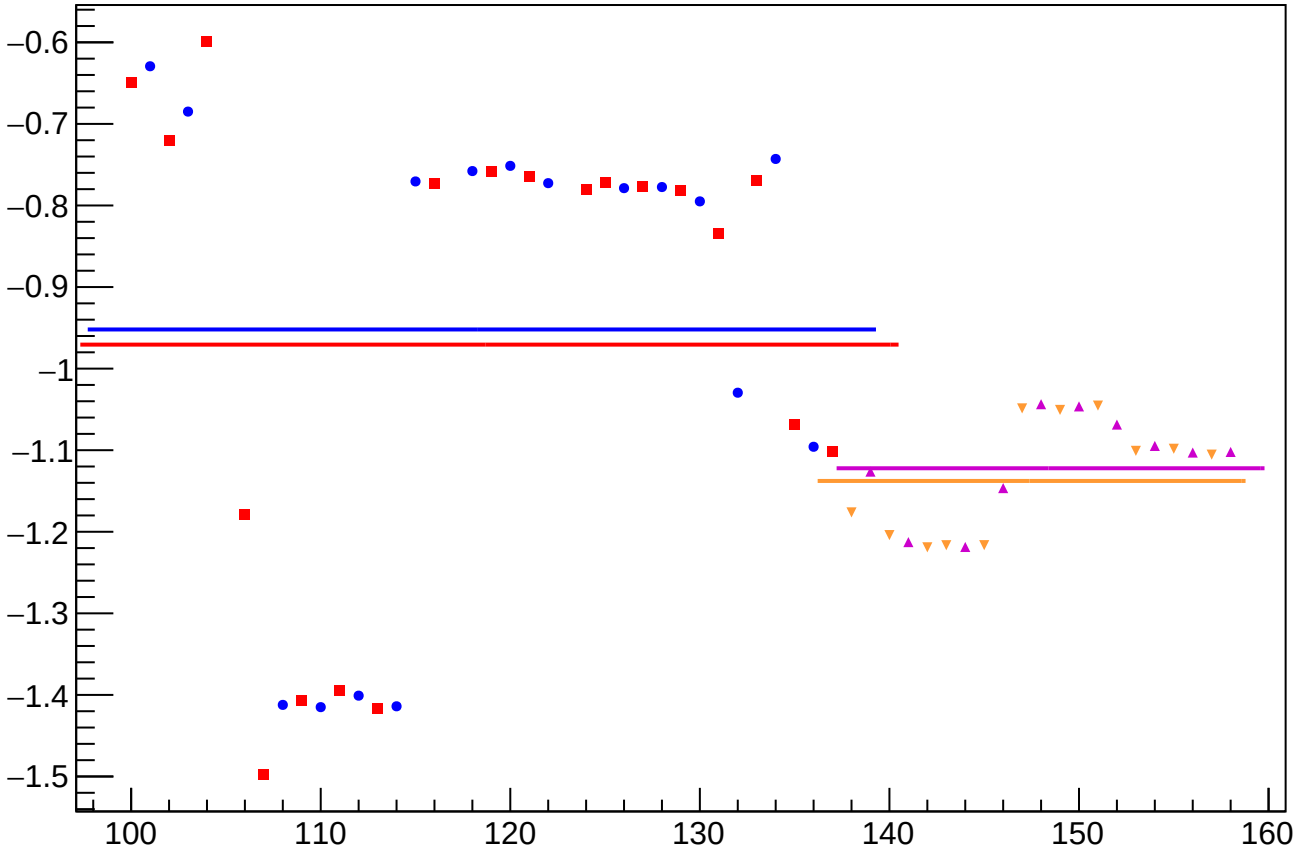
Left In: 0.011+/-0.000 χ^2/NDF:295958.3/9

+ sign 0.011+/-0.000 χ^2/NDF: 1972665.4/26

All: 0.011+/-0.000 χ^2/NDF: 3855601.8/55

- sign 0.011+/-0.000 χ^2/NDF: 1882160.1/28

yield_bpm4acX_mean vs Slug



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.138+/-0.000 χ^2/NDF:94238490.9/10

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

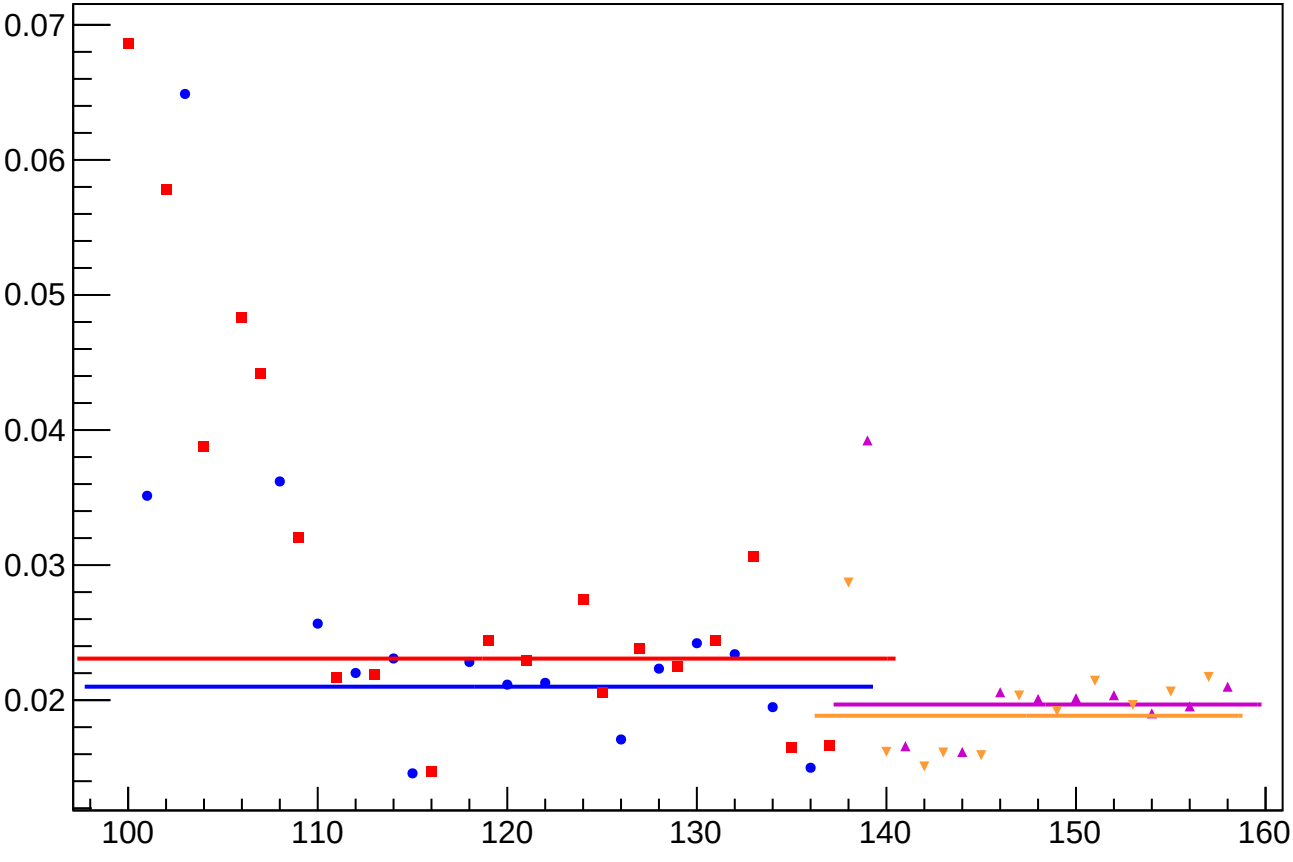
Left In: -1.122+/-0.000 χ^2/NDF:71155736.8/9

+ sign -1.065+/-0.000 χ^2/NDF: 1047312053.2/26

All: -1.065+/-0.000 χ^2/NDF: 1983669537.5/5

- sign -1.066+/-0.000 χ^2/NDF: 936332071.5/28

yield_bpm4acX_rms vs Slug



Right In: 0.021+/-0.000 χ^2/NDF: 1166992.9/15

Left Out: 0.019+/-0.000 χ^2/NDF:357018.9/10

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

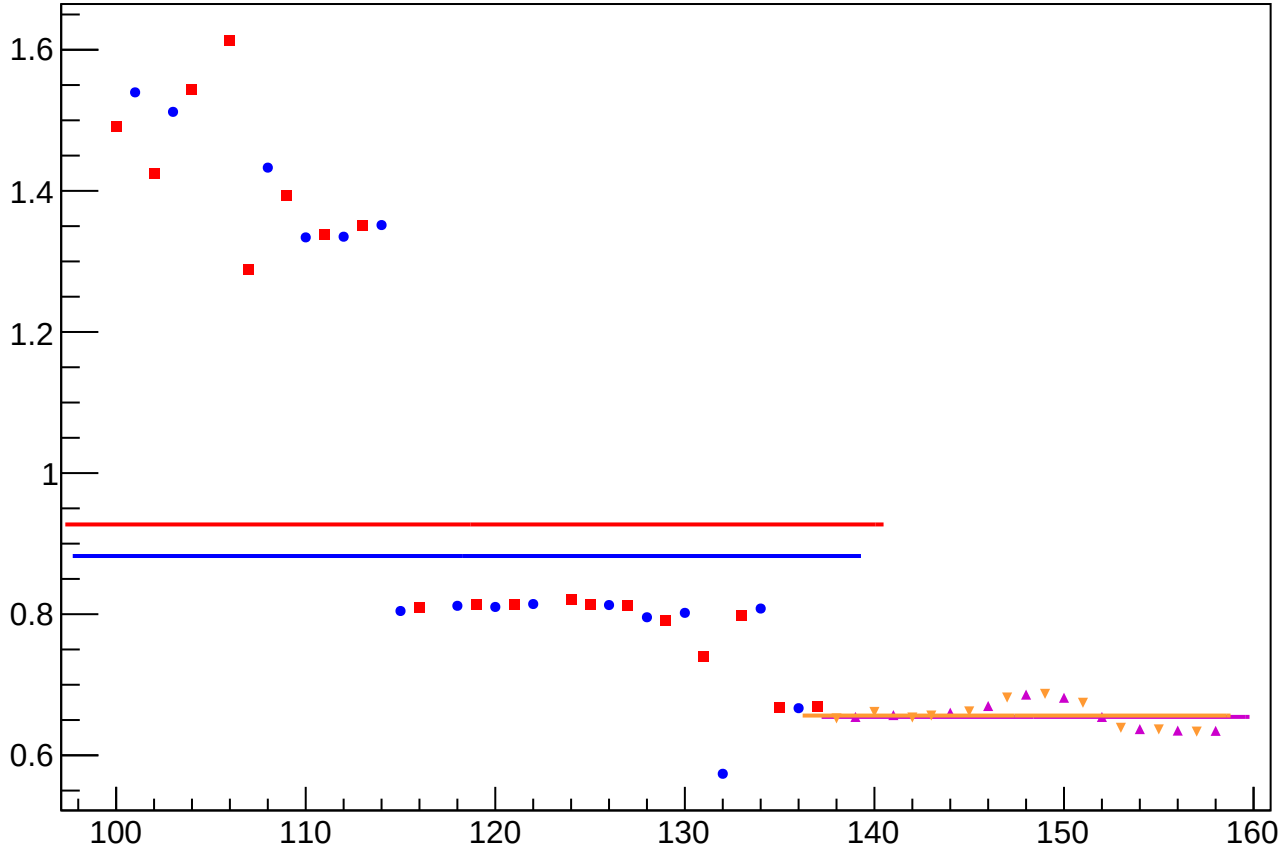
Left In: 0.020+/-0.000 χ^2/NDF:535591.7/9

+ sign 0.020+/-0.000 χ^2/NDF: 1592062.4/26

All: 0.020+/-0.000 χ^2/NDF: 3606279.5/55

- sign 0.021+/-0.000 χ^2/NDF: 1968575.6/28

yield_bpm4acY_mean vs Slug



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.656+/-0.000 χ^2/NDF:13495921.5/10

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

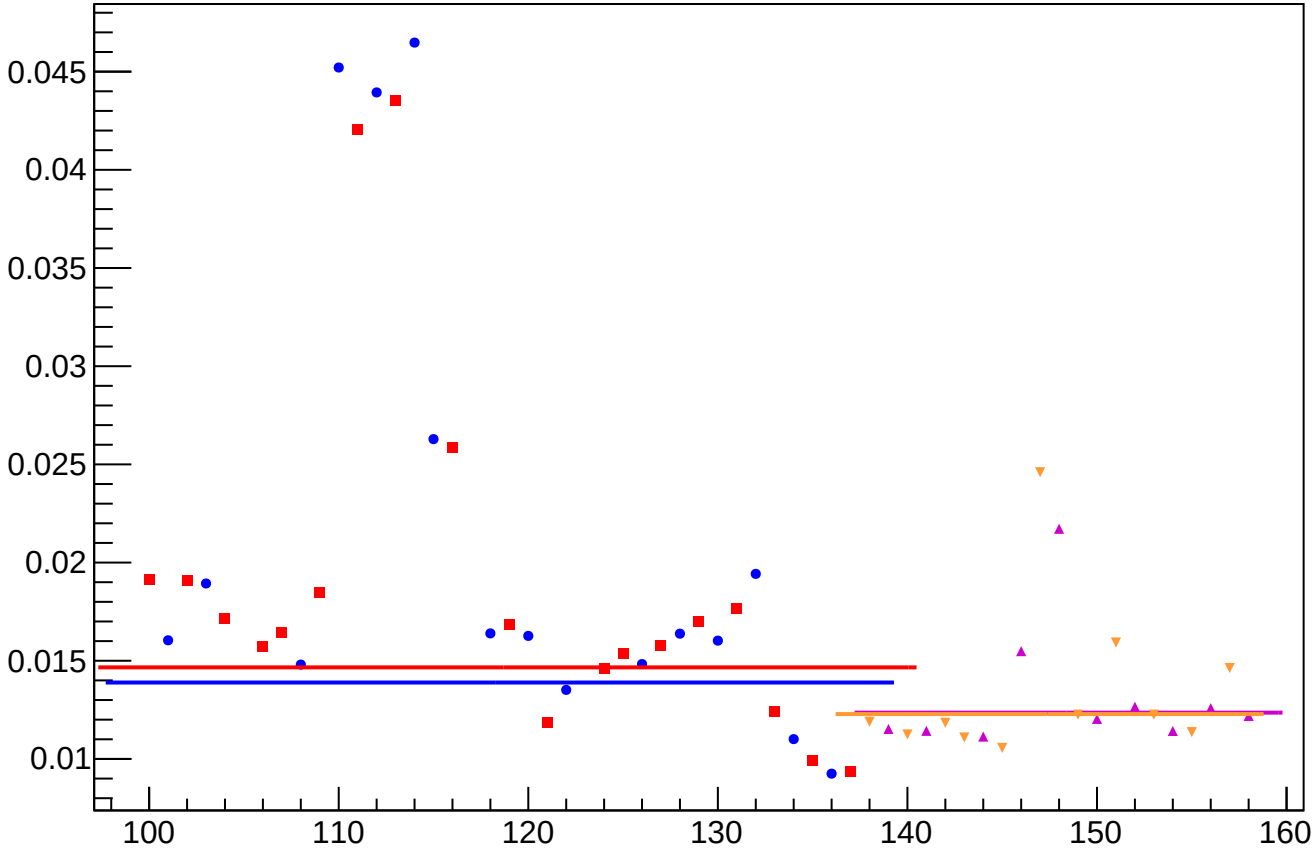
Left In: 0.654+/-0.000 χ^2/NDF:13414226.5/9

+ sign 0.739+/-0.000 χ^2/NDF: 3793488203.0/26

All: 0.744+/-0.000 χ^2/NDF: 7970335860.1/55

- sign 0.750+/-0.000 χ^2/NDF: 4171980686.7/28

yield_bpm4acY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1646691.8/15

Left Out: 0.012+/-0.000 χ^2/NDF:606338.9/10

Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

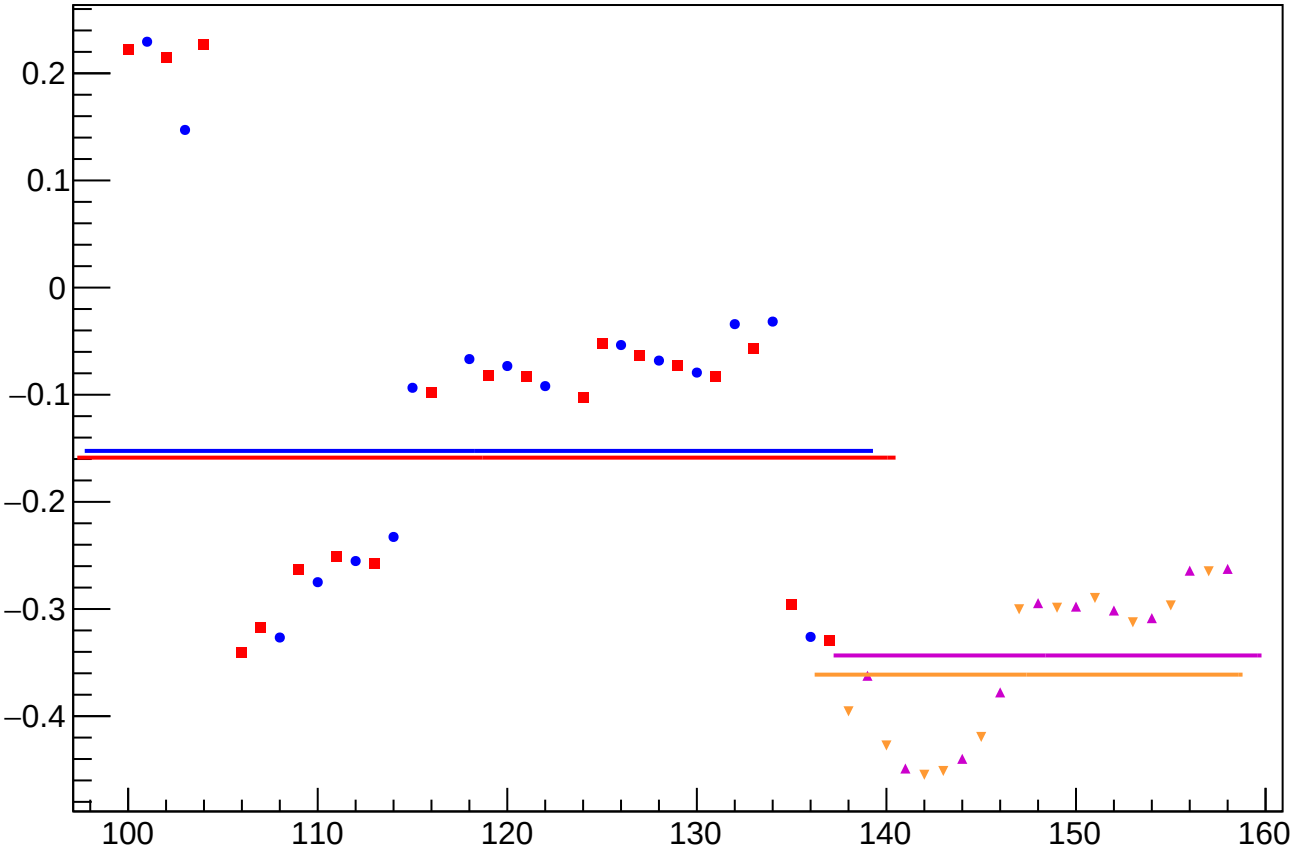
Left In: 0.012+/-0.000 χ^2/NDF:412679.0/9

+ sign 0.013+/-0.000 χ^2/NDF: 2353597.3/26

All: 0.013+/-0.000 χ^2/NDF: 4439623.5/55

- sign 0.013+/-0.000 χ^2/NDF: 2078928.9/28

yield_bpm4ecX_mean vs Slug



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.361+/-0.000 χ^2/NDF:96904847.5/10

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

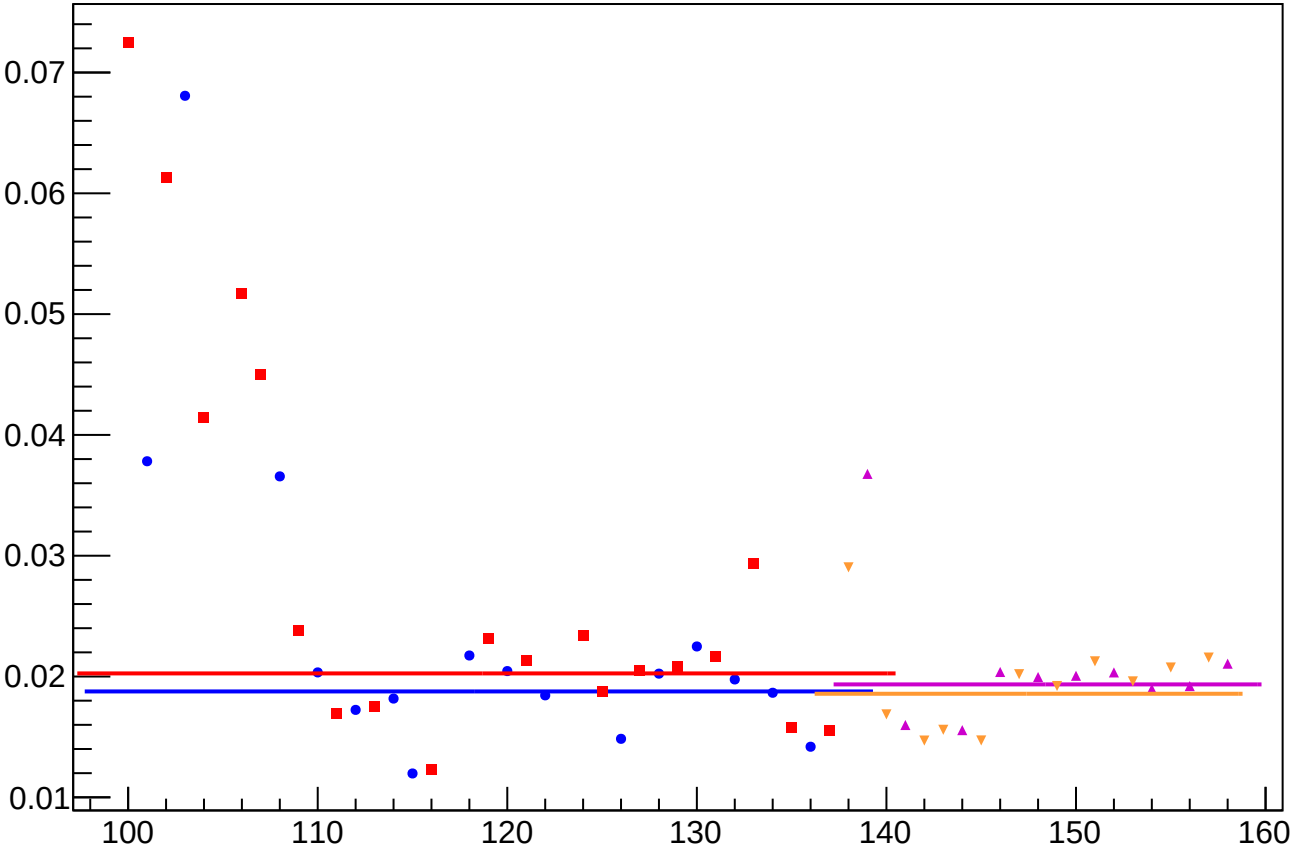
Left In: -0.343+/-0.000 χ^2/NDF:90706463.7/9

+ sign -0.270+/-0.000 χ^2/NDF: 739114713.0/26

All: -0.268+/-0.000 χ^2/NDF: 1288308739.7/5

- sign -0.266+/-0.000 χ^2/NDF: 548928026.4/28

yield_bpm4ecX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF: 1349412.3/15

Left Out: 0.019+/-0.000 χ^2/NDF:429280.5/10

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

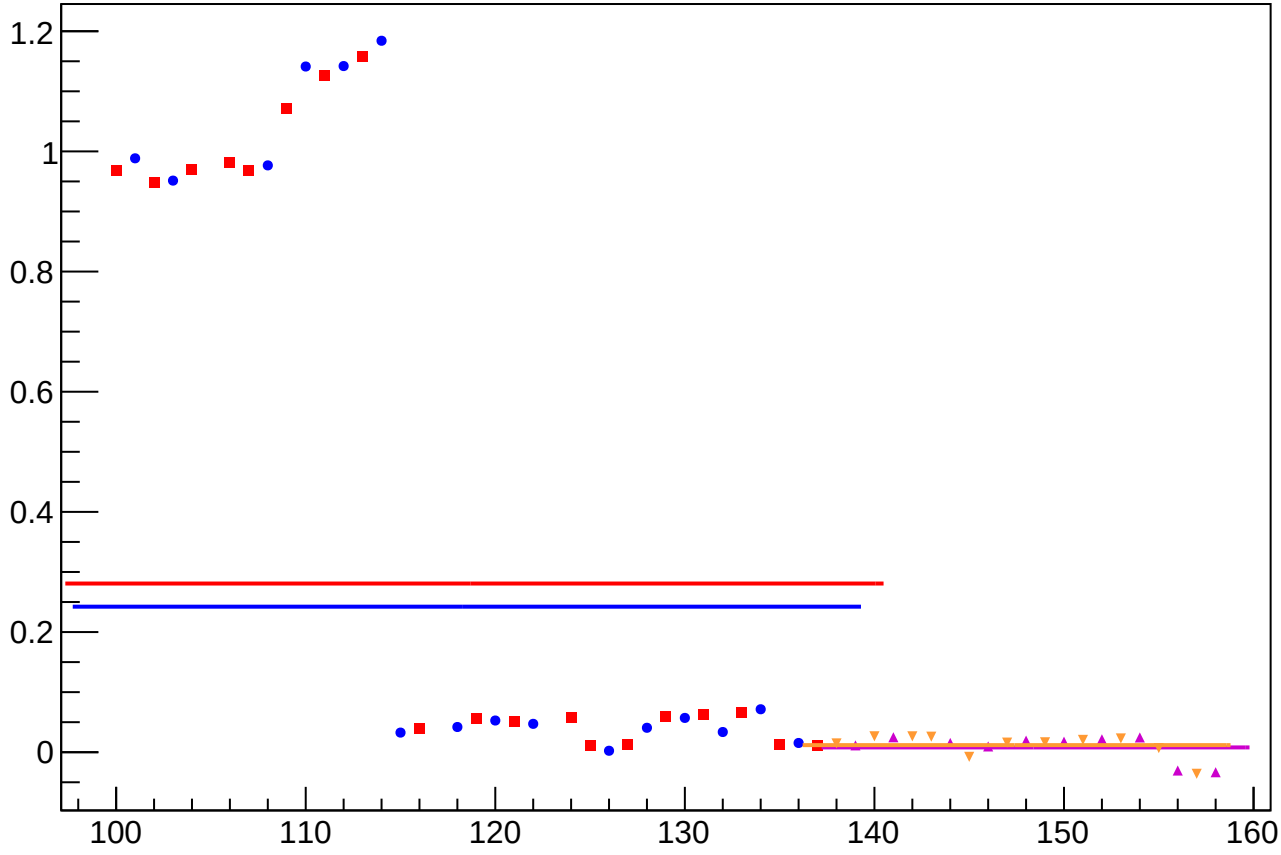
Left In: 0.019+/-0.000 χ^2/NDF:531152.2/9

+ sign 0.019+/-0.000 χ^2/NDF: 1779319.4/26

All: 0.019+/-0.000 χ^2/NDF: 3890697.8/55

- sign 0.020+/-0.000 χ^2/NDF: 2073519.1/28

yield_bpm4ecY_mean vs Slug



Right In: 0.242+/-0.000 χ^2/NDF: 6507444426.7/15

Left Out: 0.012+/-0.000 χ^2/NDF:21172671.5/10

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

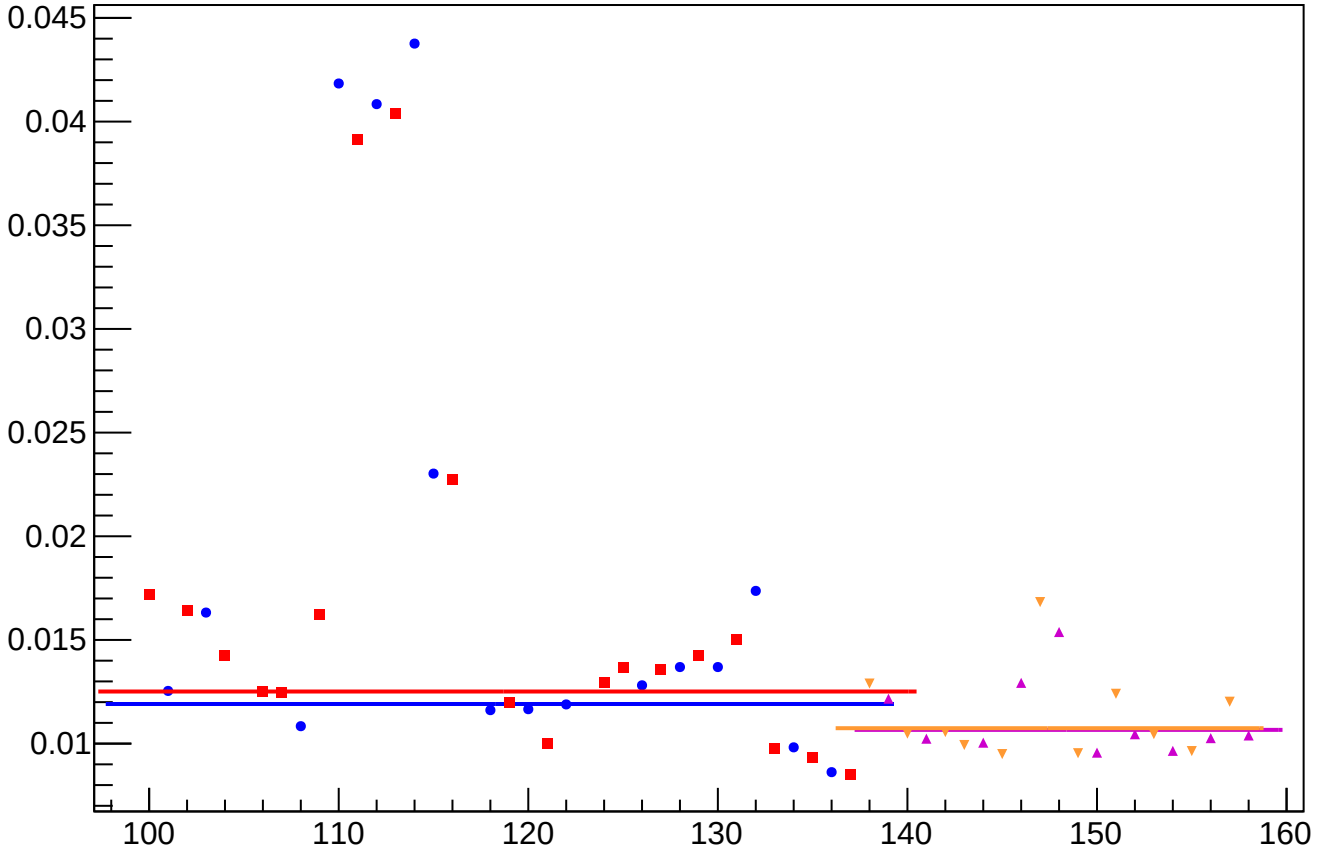
Left In: 0.008+/-0.000 χ^2/NDF:32798302.4/9

+ sign 0.098+/-0.000 χ^2/NDF: 7925039476.9/26

All: 0.101+/-0.000 χ^2/NDF: 16609150992.9/5

- sign 0.104+/-0.000 χ^2/NDF: 8682490907.3/28

yield_bpm4ecY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 1459428.8/15

Left Out: 0.011+/-0.000 χ^2/NDF:383065.4/10

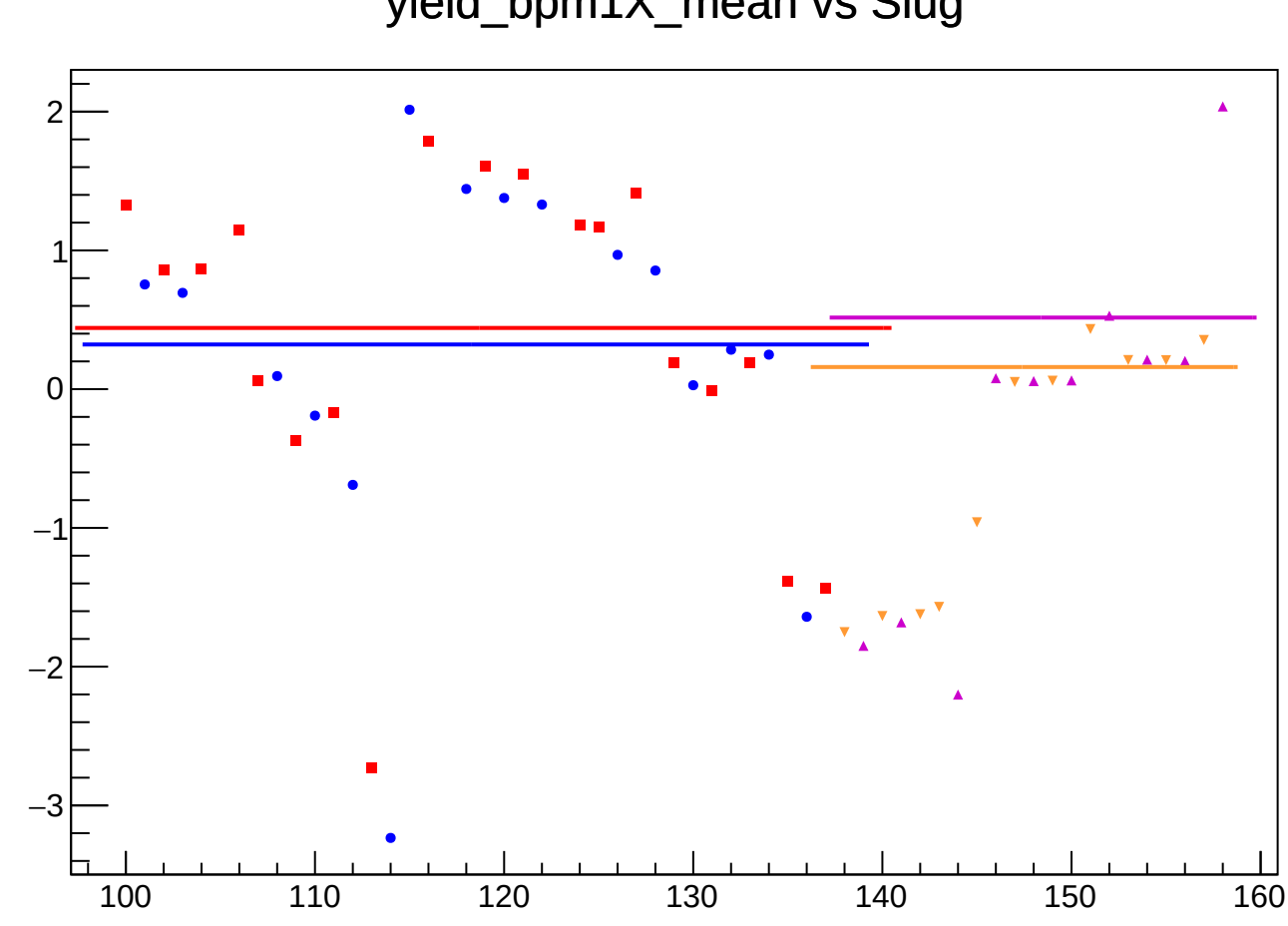
Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:281901.8/9

+ sign 0.011+/-0.000 χ^2/NDF: 1914102.5/26

All: 0.011+/-0.000 χ^2/NDF: 3764395.2/55

- sign 0.011+/-0.000 χ^2/NDF: 1848390.6/28



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: 0.159+/-0.000 χ^2/NDF:1715614317.3/10

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

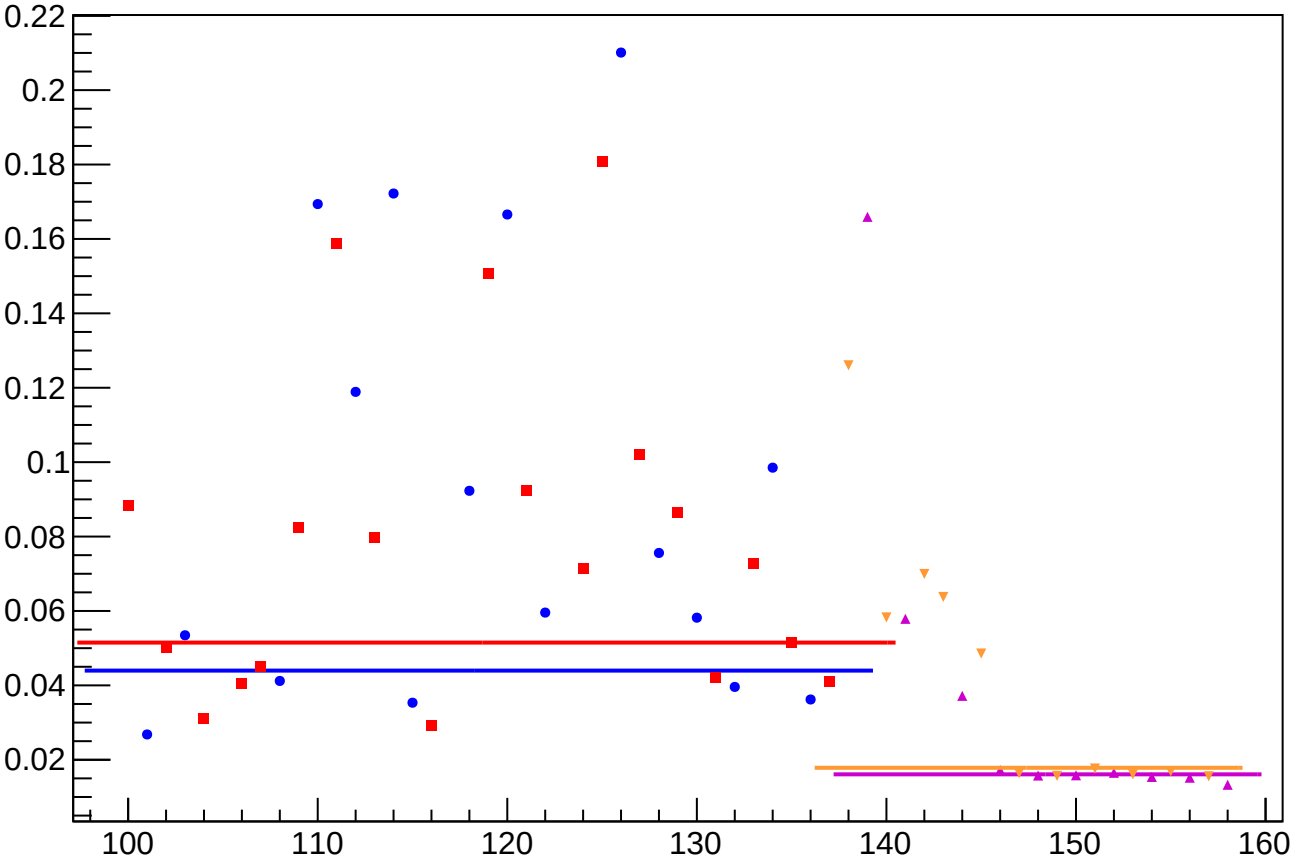
Left In: 0.516+/-0.000 χ^2/NDF:14846225212.7/9

+ sign 0.177+/-0.000 χ^2/NDF: 3427440163.0/26

All: 0.363+/-0.000 χ^2/NDF: 21241890678.1/5

- sign 0.511+/-0.000 χ^2/NDF: 16651458453.4/28

yield_bpm1X_rms vs Slug



Right In: 0.044+/-0.000 χ^2/NDF: 2787474.8/15

Left Out: 0.018+/-0.000 χ^2/NDF:2677035.7/10

Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

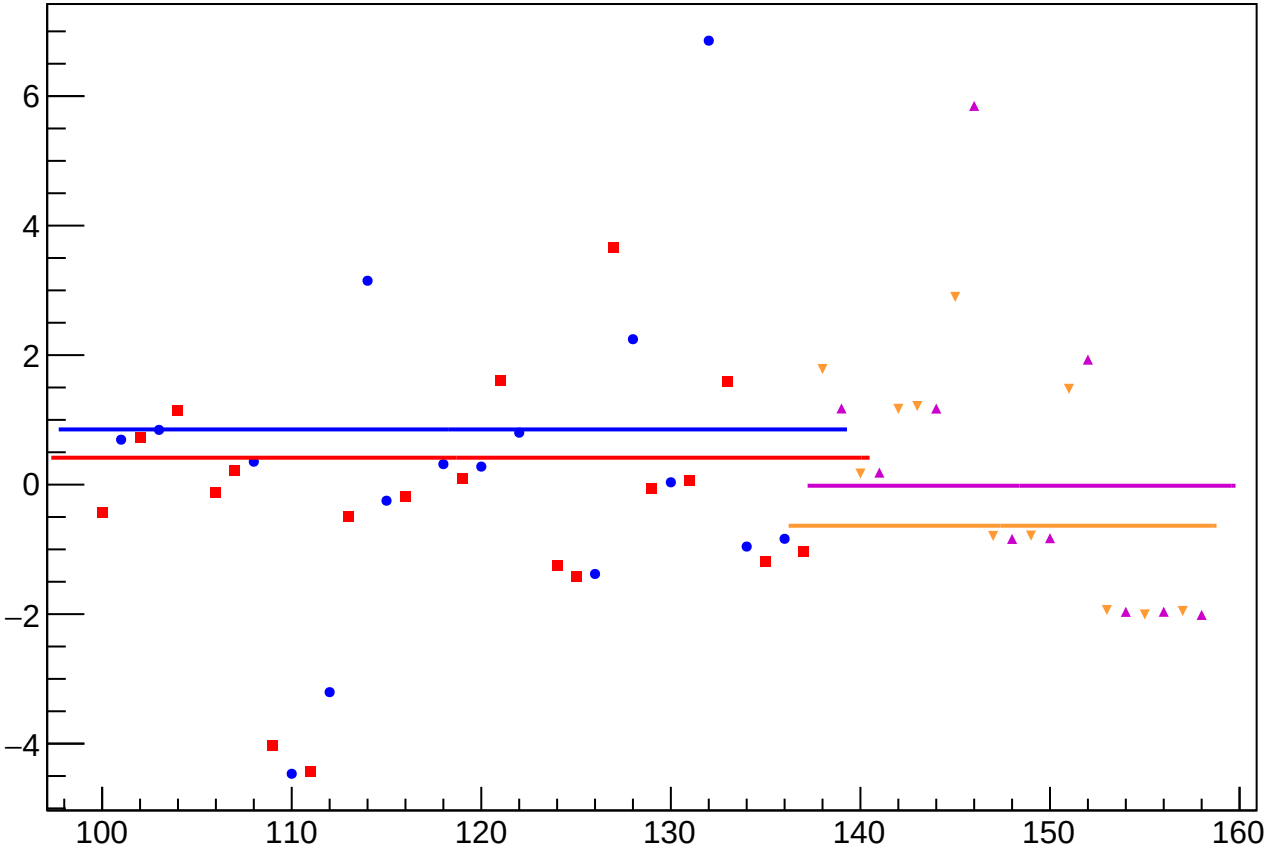
Left In: 0.016+/-0.000 χ^2/NDF:2052148.1/9

+ sign 0.021+/-0.000 χ^2/NDF: 7886051.2/26

All: 0.019+/-0.000 χ^2/NDF: 16235454.7/55

- sign 0.019+/-0.000 χ^2/NDF: 8260771.0/28

yield_bpm1Y_mean vs Slug



Right In: 0.852+/-0.000 χ^2/NDF: 11576037687.7/15

Left Out: -0.635+/-0.000 χ^2/NDF:77315066623.2/10

Right Out: 0.416+/-0.000 χ^2/NDF: 5121892038.7/18

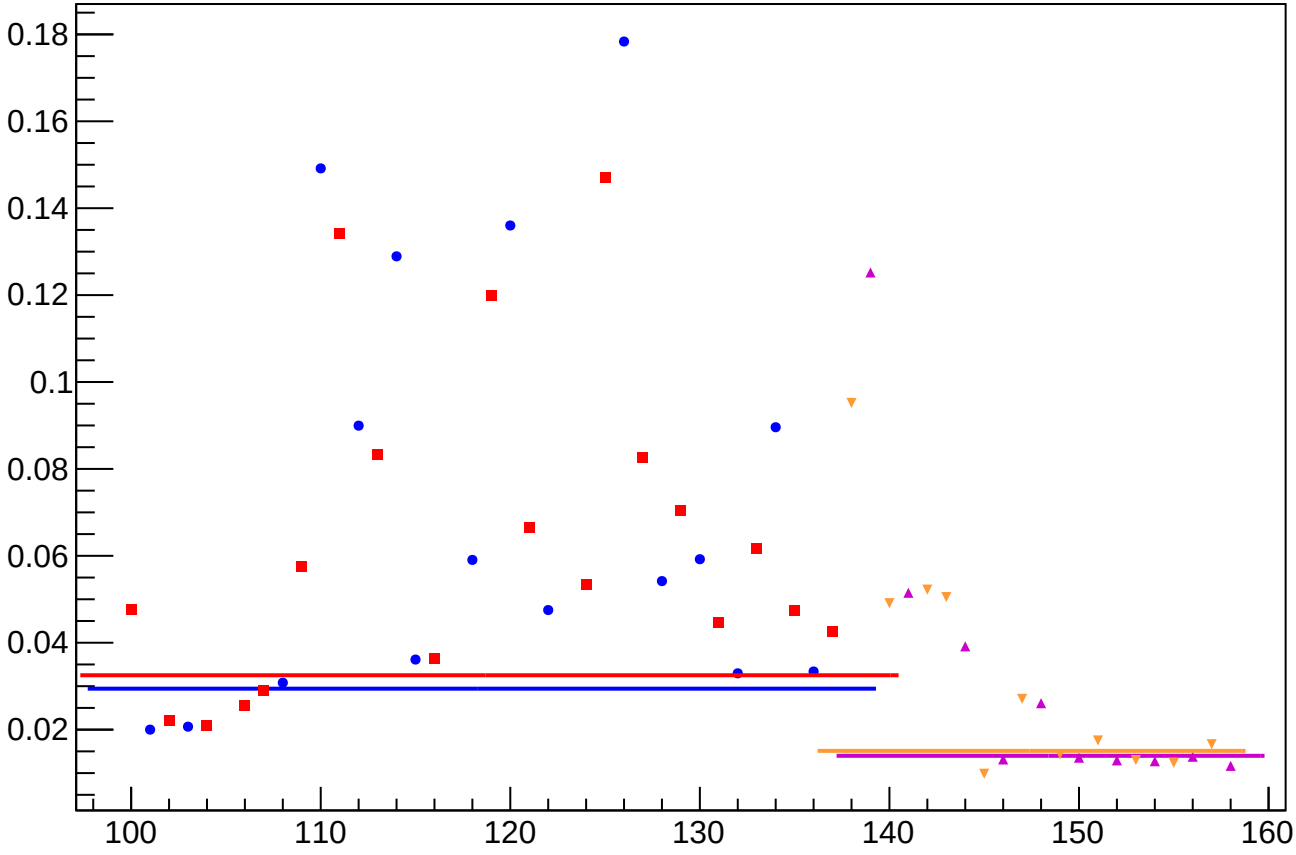
Left In: -0.017+/-0.000 χ^2/NDF:234763851019.9/9

+ sign -0.413+/-0.000 χ^2/NDF: 96908611393.2/26

All: -0.167+/-0.000 χ^2/NDF: 340559934787.6

- sign 0.031+/-0.000 χ^2/NDF: 240536837370.6/28

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF: 3192424.8/15

Left Out: 0.015+/-0.000 χ^2/NDF:2748577.8/10

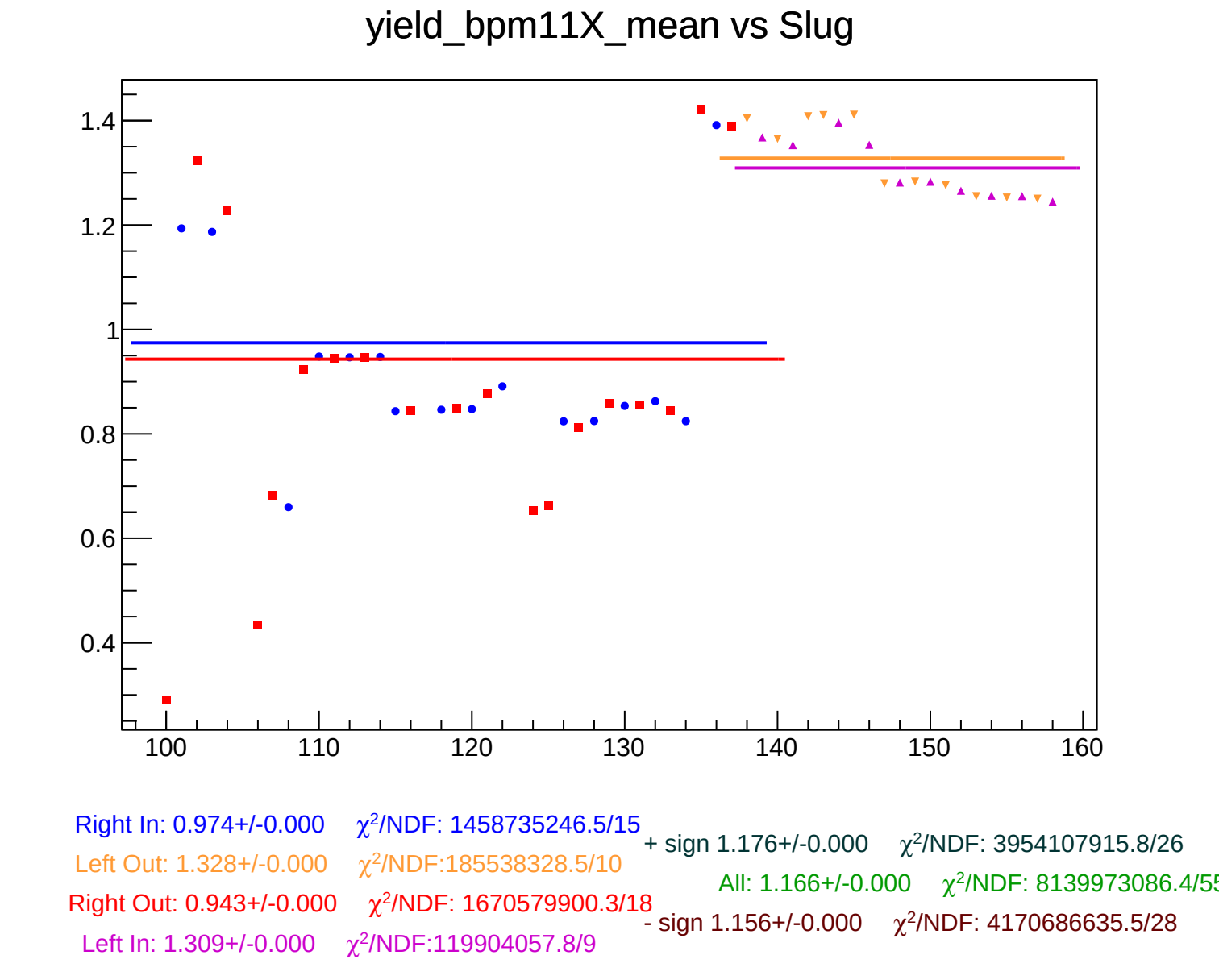
Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

Left In: 0.014+/-0.000 χ^2/NDF:2519657.3/9

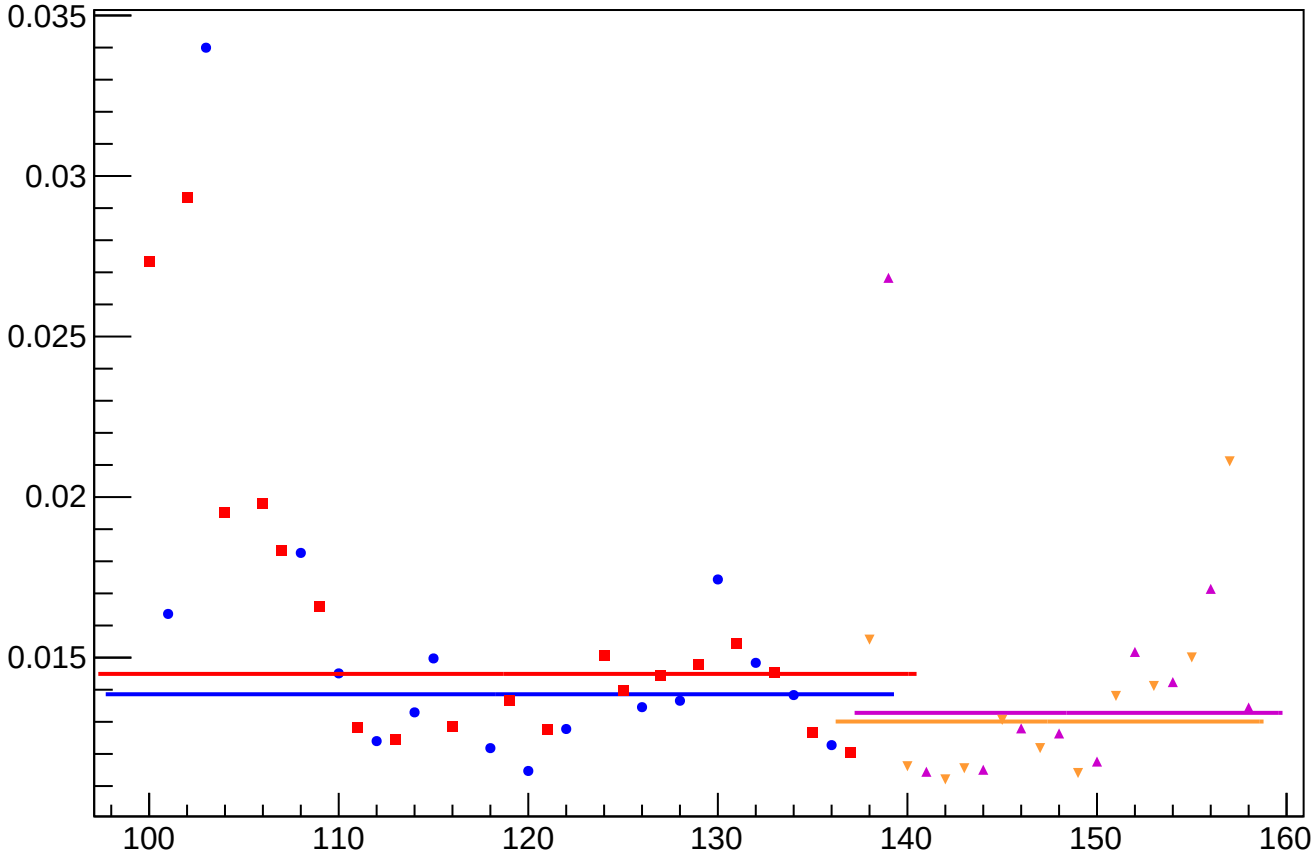
+ sign 0.017+/-0.000 χ^2/NDF: 7425638.9/26

All: 0.017+/-0.000 χ^2/NDF: 15694984.6/55

- sign 0.016+/-0.000 χ^2/NDF: 8221366.7/28


yield_bpm11X_mean vs Slug
1.4
1.2
1
0.8
0.6
0.4
100
110
120
130
140
150
160
Right In: 0.974+/-0.000 χ²/NDF: 1458735246.5/15
Left Out: 1.328+/-0.000 χ²/NDF:185538328.5/10
Right Out: 0.943+/-0.000 χ²/NDF: 1670579900.3/18
Left In: 1.309+/-0.000 χ²/NDF:119904057.8/9
+ sign 1.176+/-0.000 χ²/NDF: 3954107915.8/26
All: 1.166+/-0.000 χ²/NDF: 8139973086.4/55
- sign 1.156+/-0.000 χ²/NDF: 4170686635.5/28

yield_bpm11X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 599979.5/15

Left Out: 0.013+/-0.000 χ^2/NDF:362973.2/10

Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

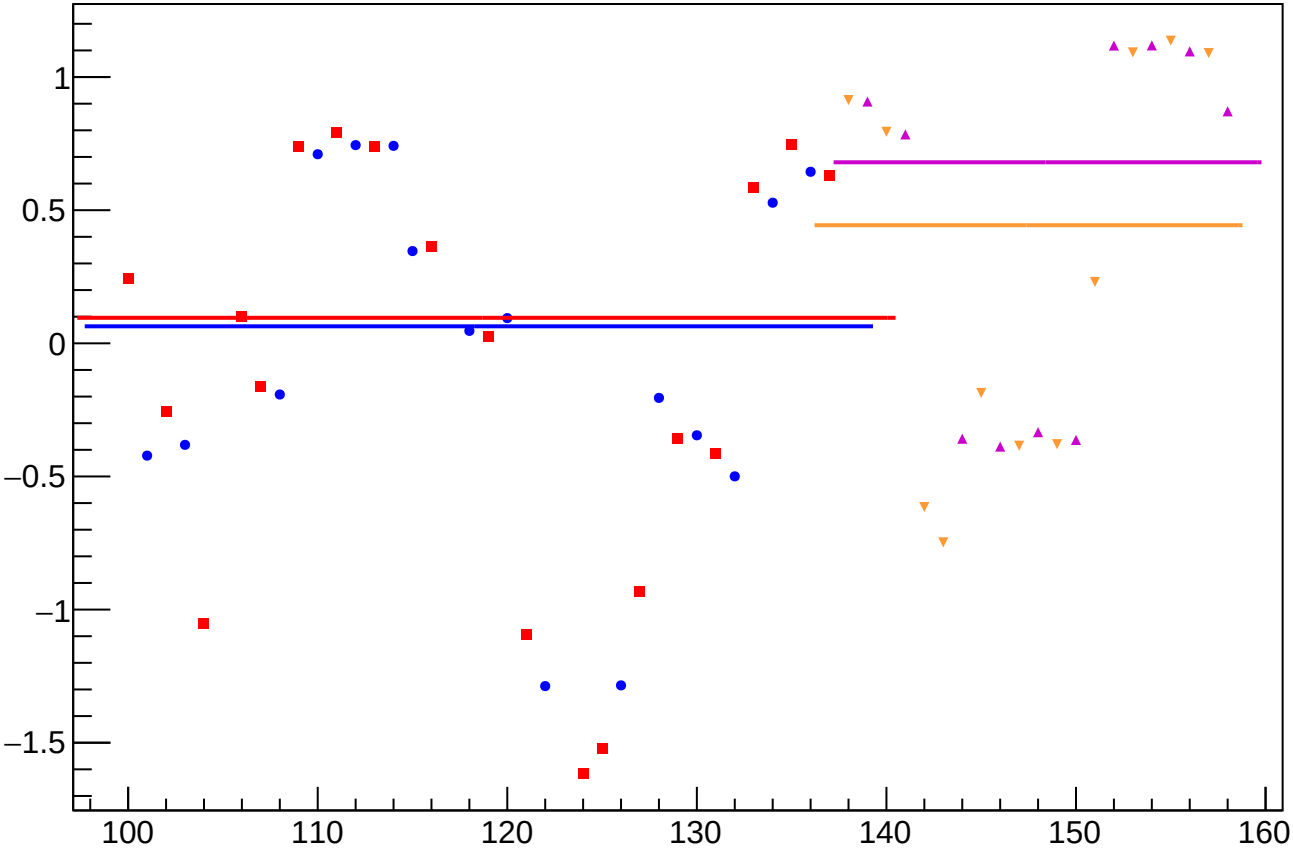
Left In: 0.013+/-0.000 χ^2/NDF:625948.4/9

+ sign 0.013+/-0.000 χ^2/NDF: 989620.9/26

All: 0.014+/-0.000 χ^2/NDF: 2224832.0/55

- sign 0.014+/-0.000 χ^2/NDF: 1222544.5/28

yield_bpm11Y_mean vs Slug



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.444+/-0.000 χ^2/NDF:25071347315.4/10

Right Out: 0.096+/-0.000 χ^2/NDF: 17784850774.3/18

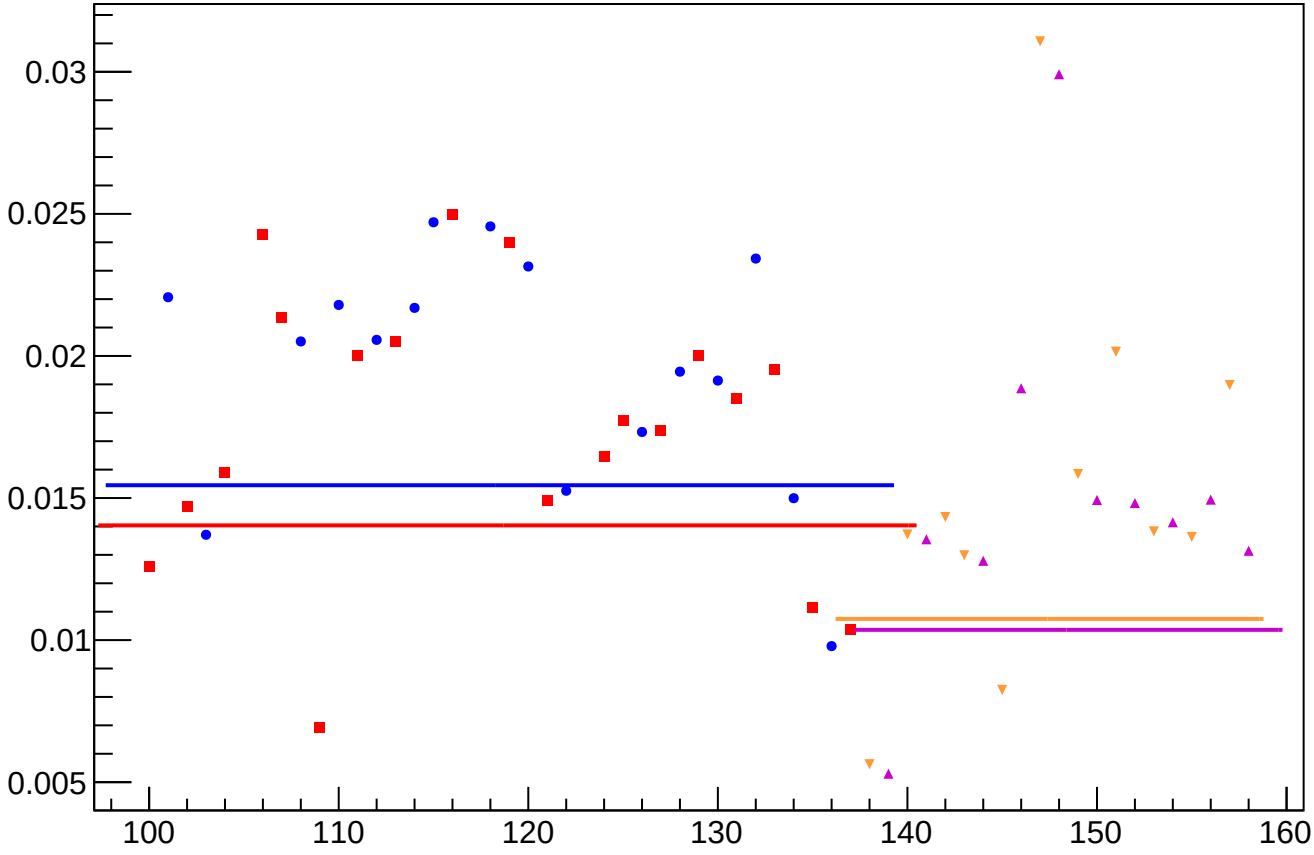
Left In: 0.680+/-0.000 χ^2/NDF:17274051672.2/9

+ sign 0.327+/-0.000 χ^2/NDF: 38618519220.3/26

All: 0.413+/-0.000 χ^2/NDF: 81672806813.2/5

- sign 0.489+/-0.000 χ^2/NDF: 41914267537.9/28

yield_bpm11Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 1293711.1/15

Left Out: 0.011+/-0.000 χ^2/NDF:2925551.8/10

Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

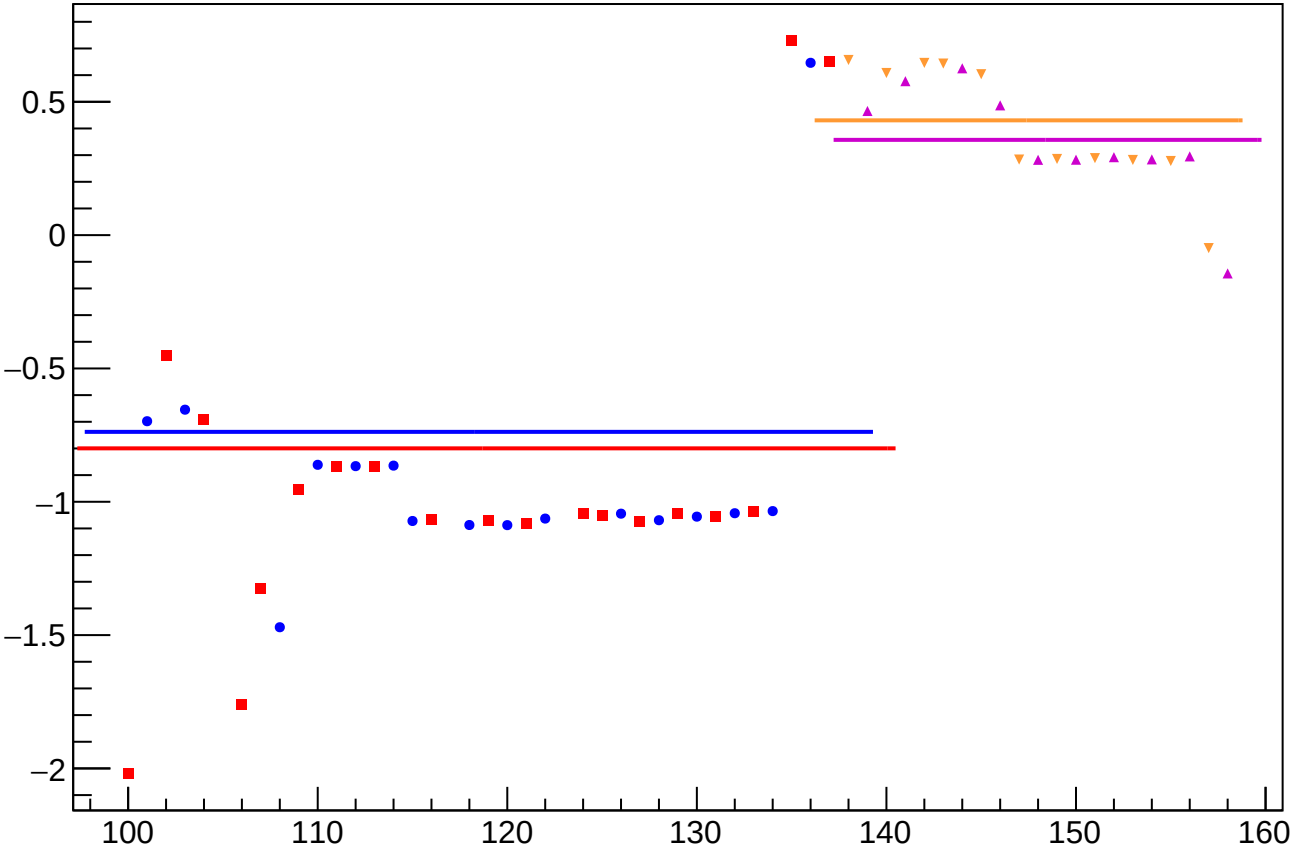
Left In: 0.010+/-0.000 χ^2/NDF:3253741.4/9

+ sign 0.012+/-0.000 χ^2/NDF: 4990269.1/26

All: 0.012+/-0.000 χ^2/NDF: 10508362.4/55

- sign 0.012+/-0.000 χ^2/NDF: 5483499.4/28

yield_bpm12X_mean vs Slug



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.430+/-0.000 χ^2/NDF:239498878.3/10

Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

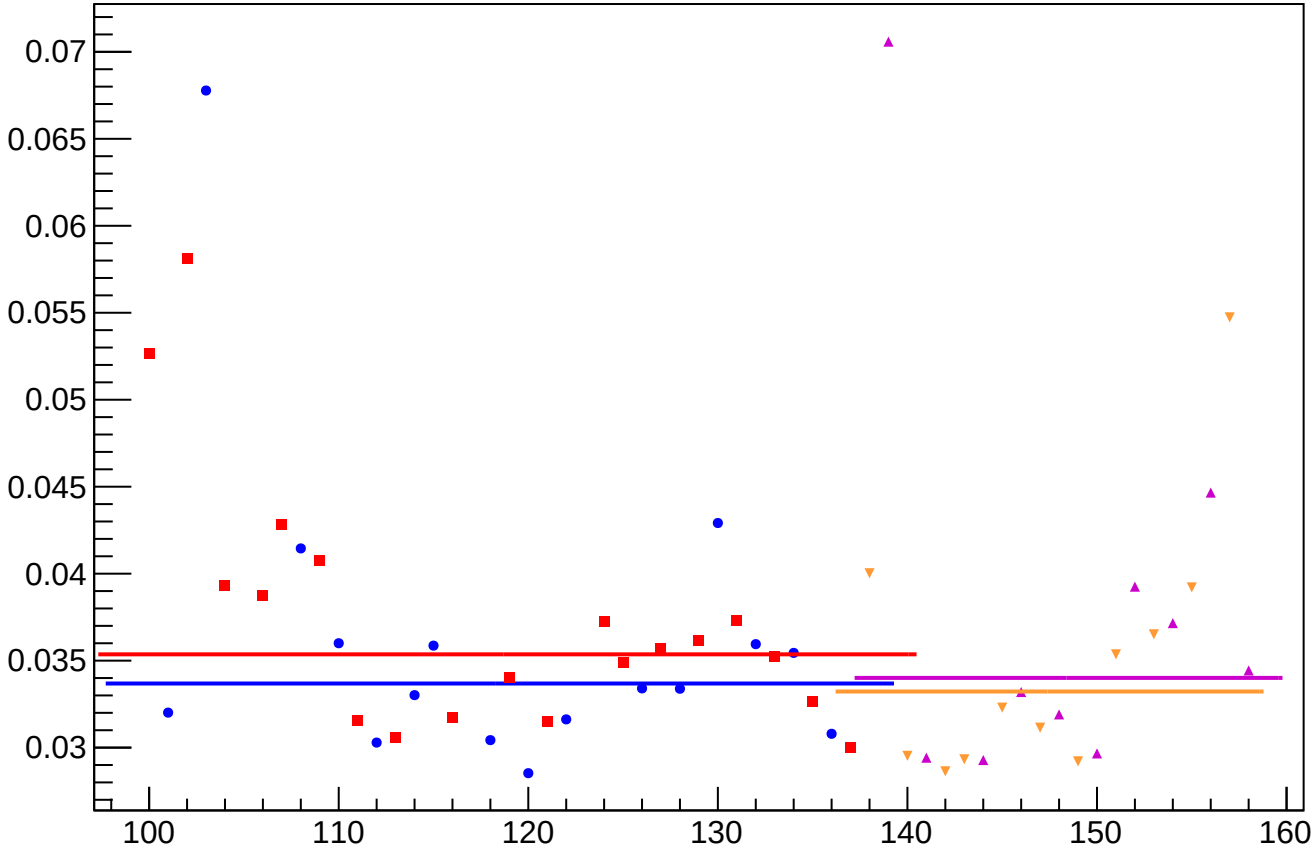
Left In: 0.357+/-0.000 χ^2/NDF:300453898.4/9

+ sign -0.106+/-0.000 χ^2/NDF: 6414031291.6/26

All: -0.132+/-0.000 χ^2/NDF: 12450160275.0/

- sign -0.159+/-0.000 χ^2/NDF: 6019527089.1/28

yield_bpm12X_rms vs Slug



Right In: 0.034+/-0.000 χ^2/NDF: 420227.2/15

Left Out: 0.033+/-0.000 χ^2/NDF:388448.5/10

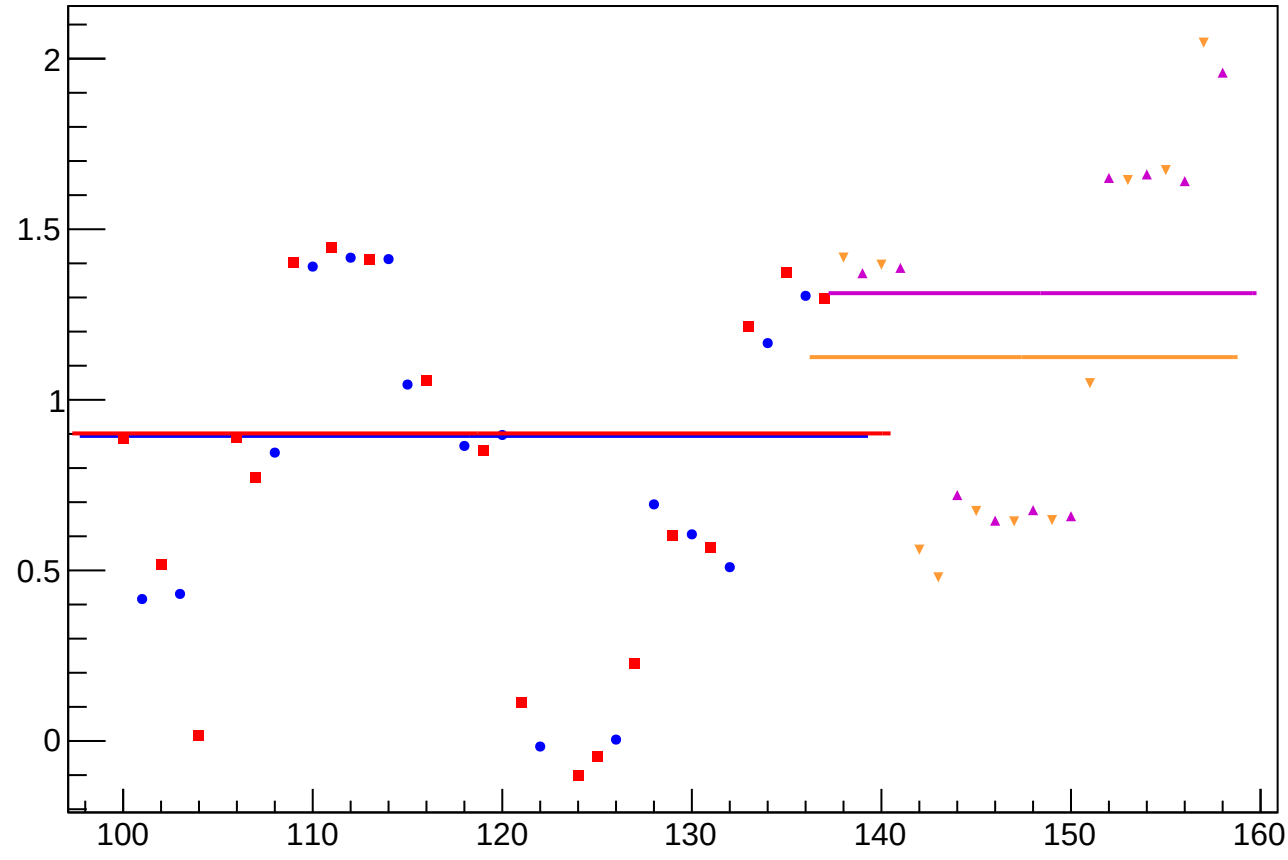
Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

Left In: 0.034+/-0.000 χ^2/NDF:672964.4/9

+ sign 0.033+/-0.000 χ^2/NDF: 809949.0/26

All: 0.034+/-0.000 χ^2/NDF: 1806149.1/55

- sign 0.035+/-0.000 χ^2/NDF: 979823.7/28



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 1.125+/-0.000 χ^2/NDF:22074060908.3/10

Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

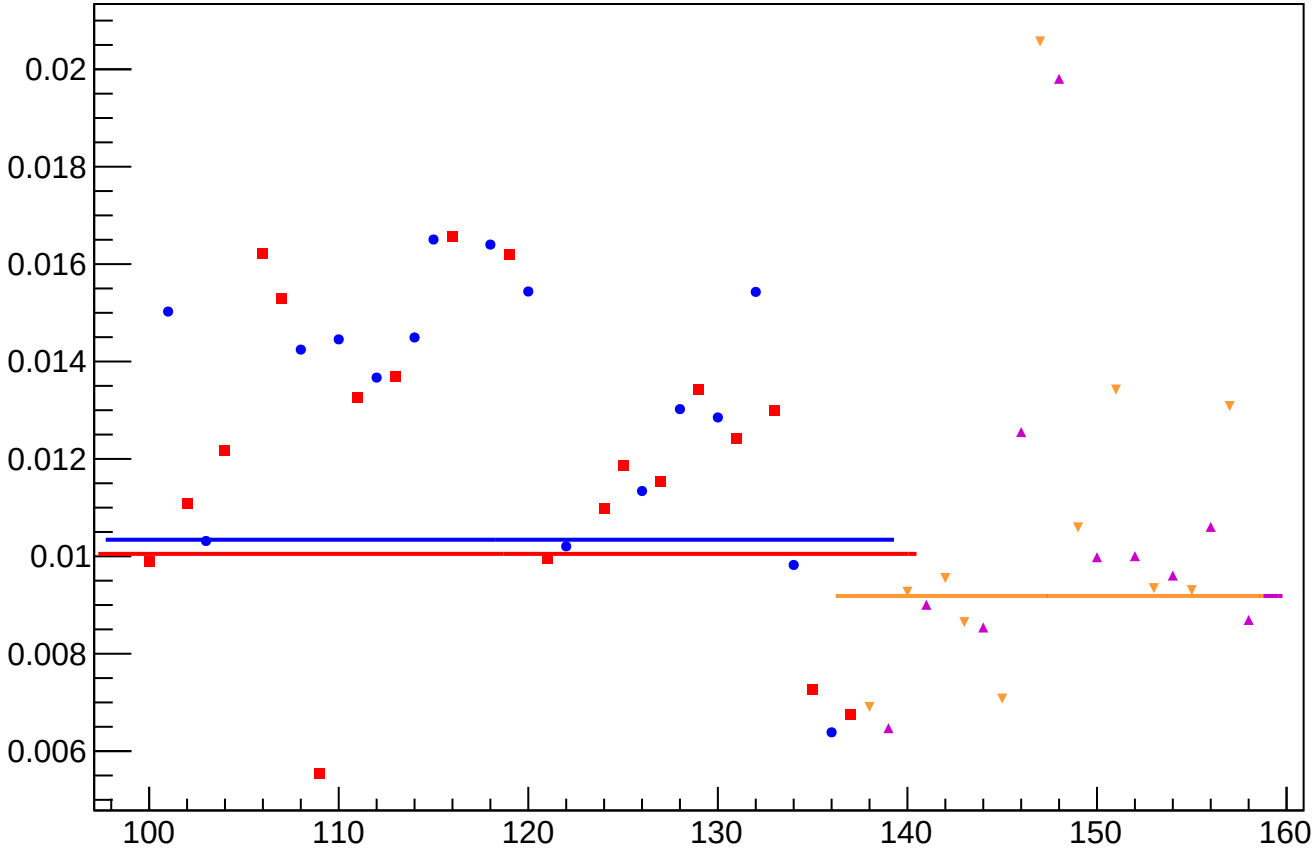
Left In: 1.313+/-0.000 χ^2/NDF:18597363228.2/9

+ sign 1.037+/-0.000 χ^2/NDF: 36665470023.7/26

All: 1.095+/-0.000 χ^2/NDF: 80281940947.1/5

- sign 1.150+/-0.000 χ^2/NDF: 42658355032.8/28

yield_bpm12Y_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 1350446.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:1105859.7/10

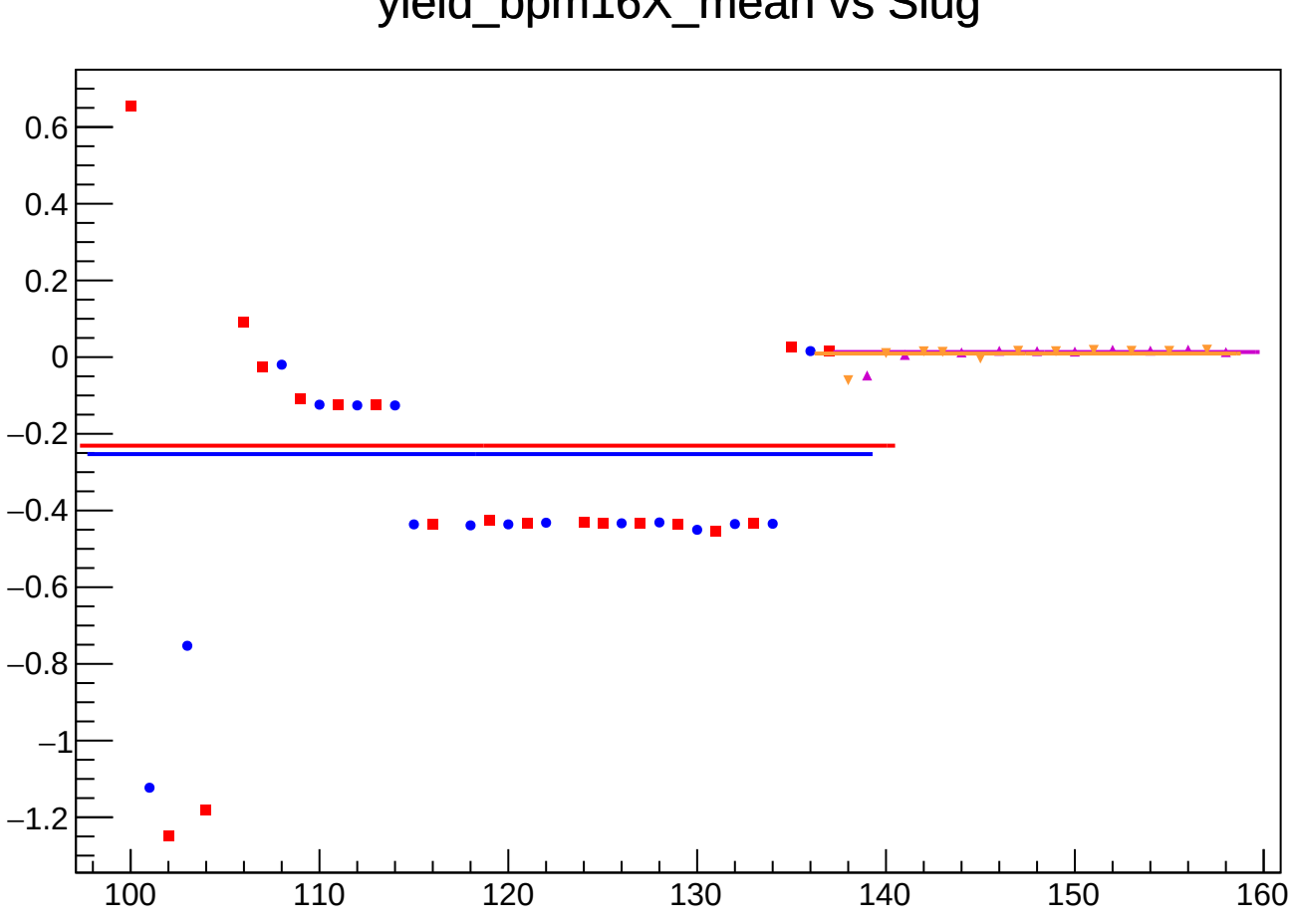
Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

Left In: 0.009+/-0.000 χ^2/NDF:909632.6/9

+ sign 0.010+/-0.000 χ^2/NDF: 2548593.5/26

All: 0.010+/-0.000 χ^2/NDF: 4851016.4/55

- sign 0.010+/-0.000 χ^2/NDF: 2300987.5/28



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:21644497.2/10

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

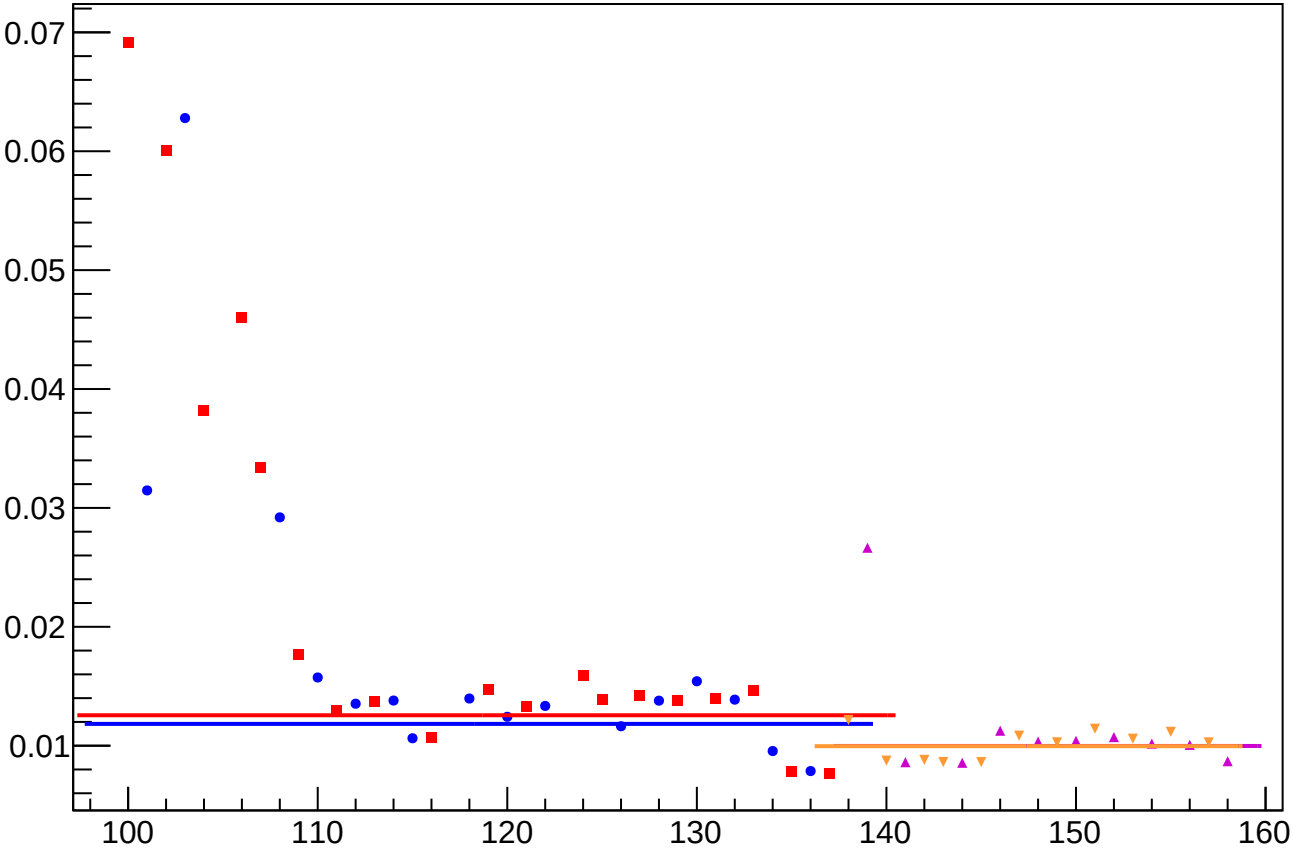
Left In: 0.013+/-0.000 χ^2/NDF:5600887.0/9

+ sign -0.079+/-0.000 χ^2/NDF: 3668140726.3/26

All: -0.071+/-0.000 χ^2/NDF: 6798278268.4/5

- sign -0.063+/-0.000 χ^2/NDF: 3117038463.3/28

yield_bpm16X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 1942550.6/15

Left Out: 0.010+/-0.000 χ^2/NDF:189115.8/10

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

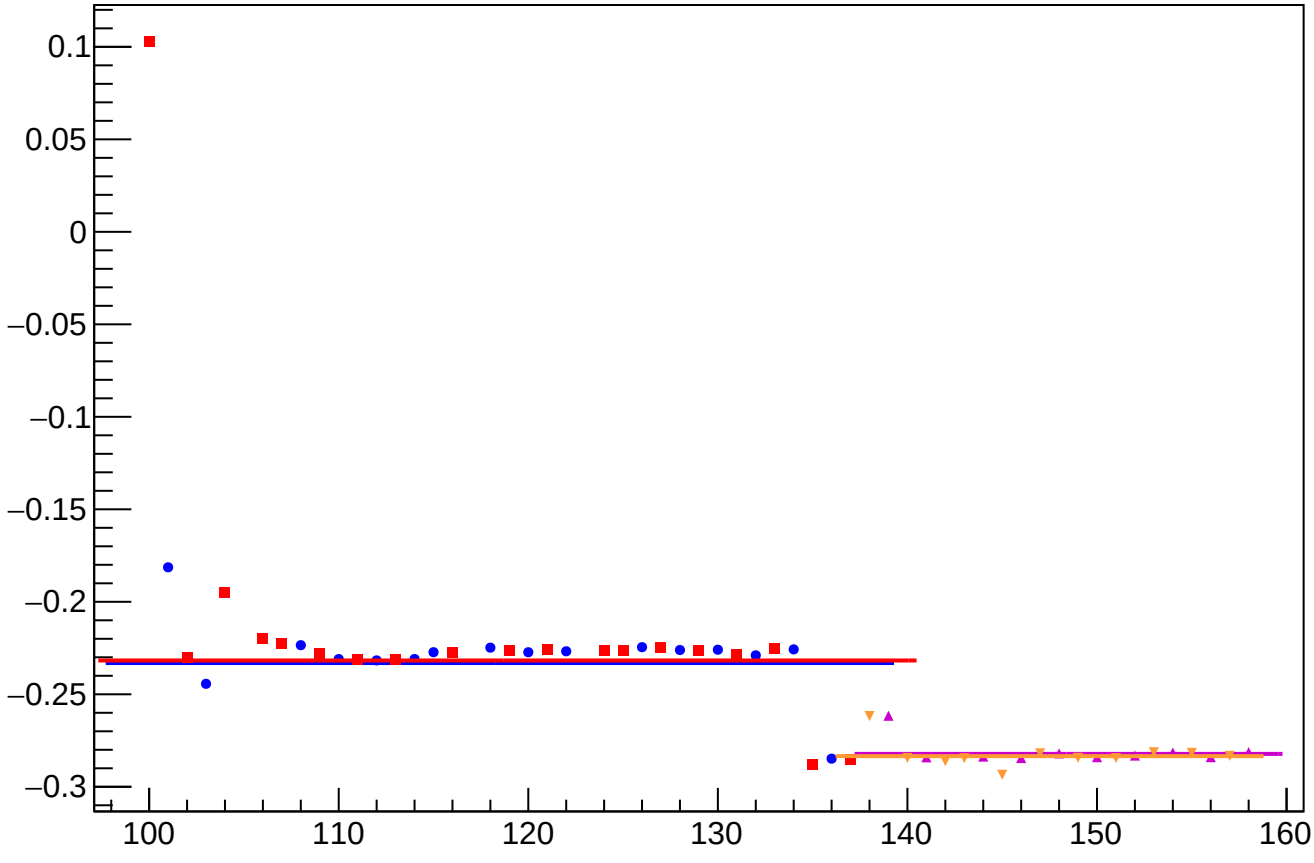
Left In: 0.010+/-0.000 χ^2/NDF:787912.1/9

+ sign 0.011+/-0.000 χ^2/NDF: 2297218.0/26

All: 0.011+/-0.000 χ^2/NDF: 5597703.4/55

- sign 0.011+/-0.000 χ^2/NDF: 3296612.9/28

yield_bpm16Y_mean vs Slug



Right In: -0.233+/-0.000 χ^2/NDF: 199059878.3/15

Left Out: -0.283+/-0.000 χ^2/NDF:14746682.0/10

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

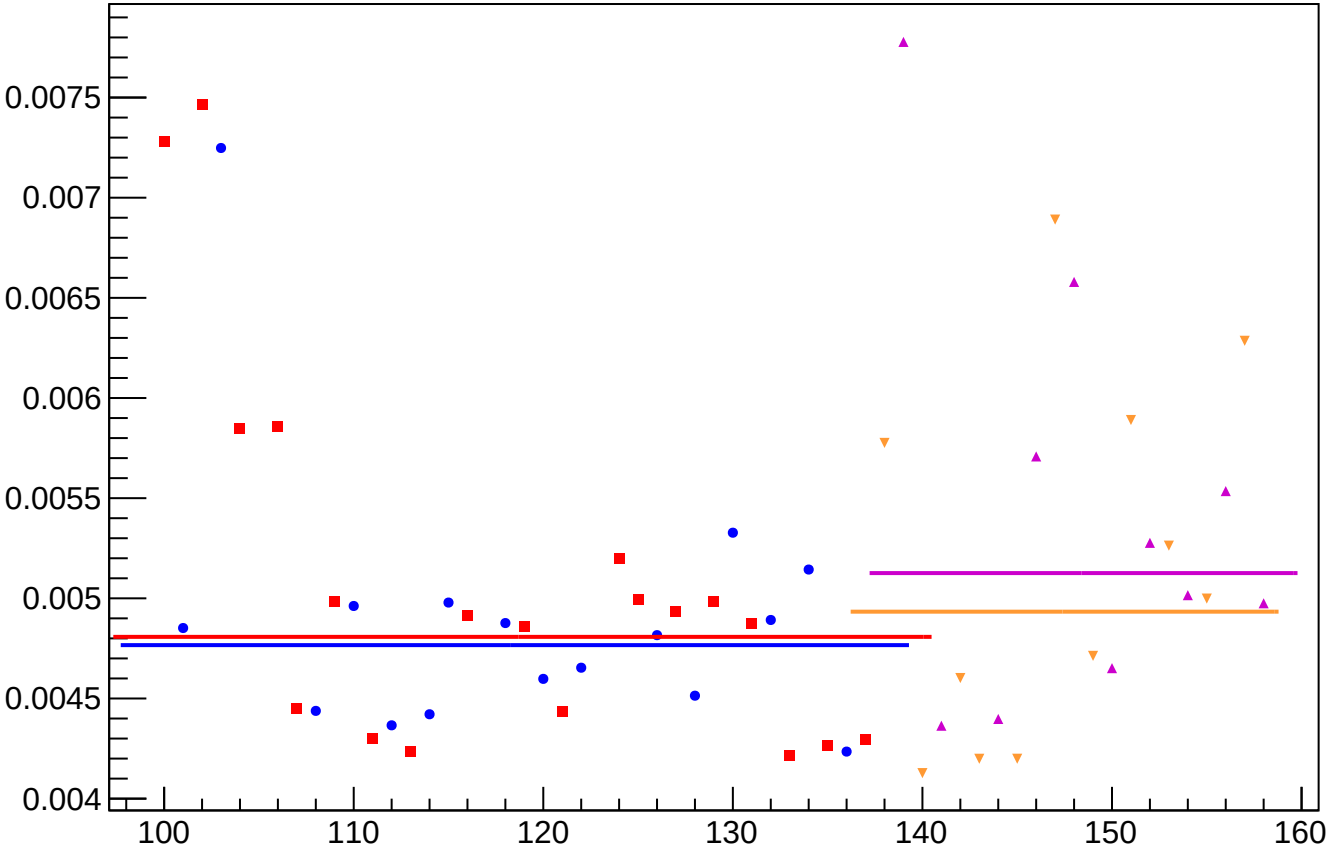
Left In: -0.282+/-0.000 χ^2/NDF:6267272.2/9

+ sign -0.260+/-0.000 χ^2/NDF: 594930518.6/26

All: -0.259+/-0.000 χ^2/NDF: 1268945220.6/5

- sign -0.258+/-0.000 χ^2/NDF: 672505944.6/28

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 191759.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:428625.3/10

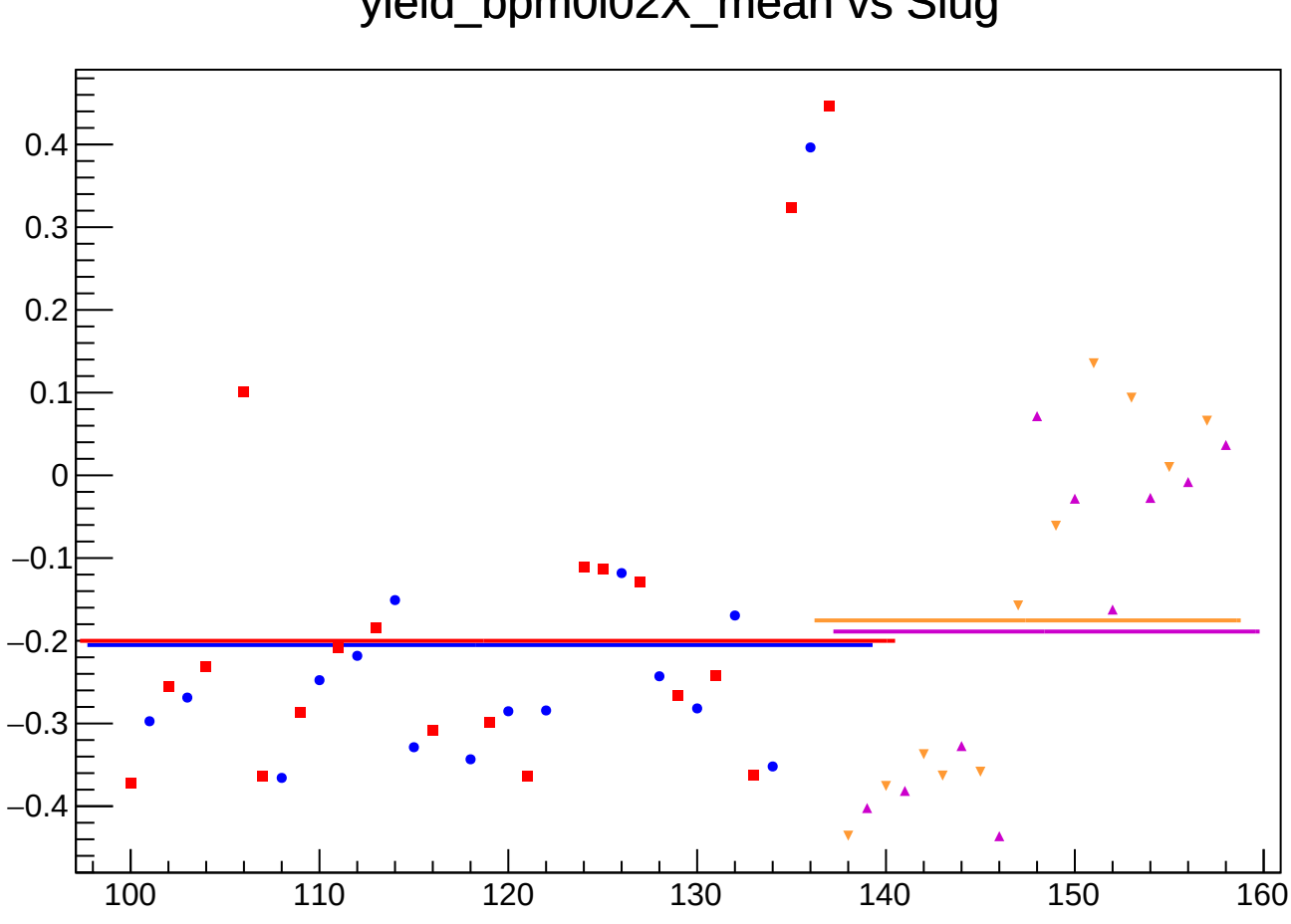
Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

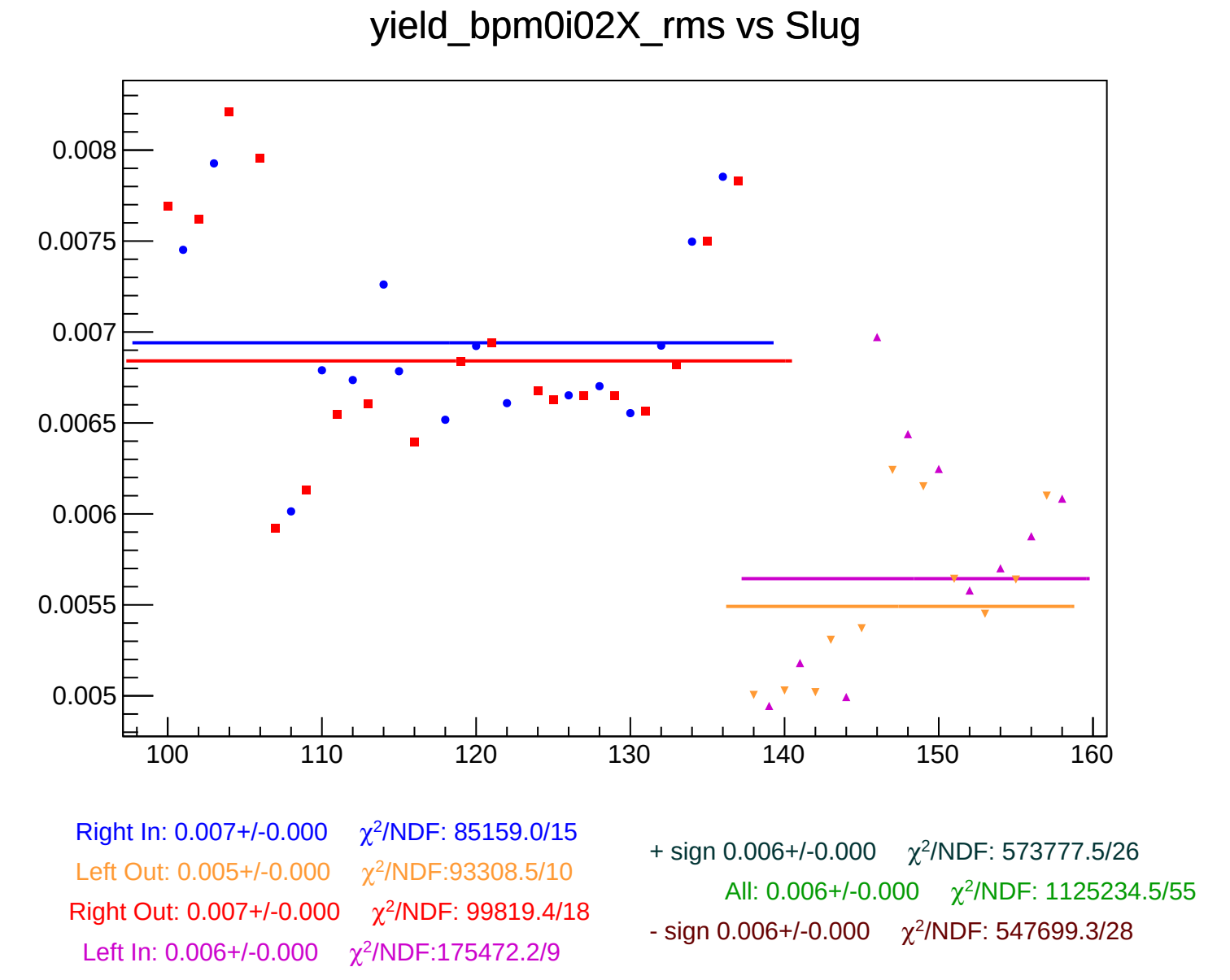
Left In: 0.005+/-0.000 χ^2/NDF:405183.2/9

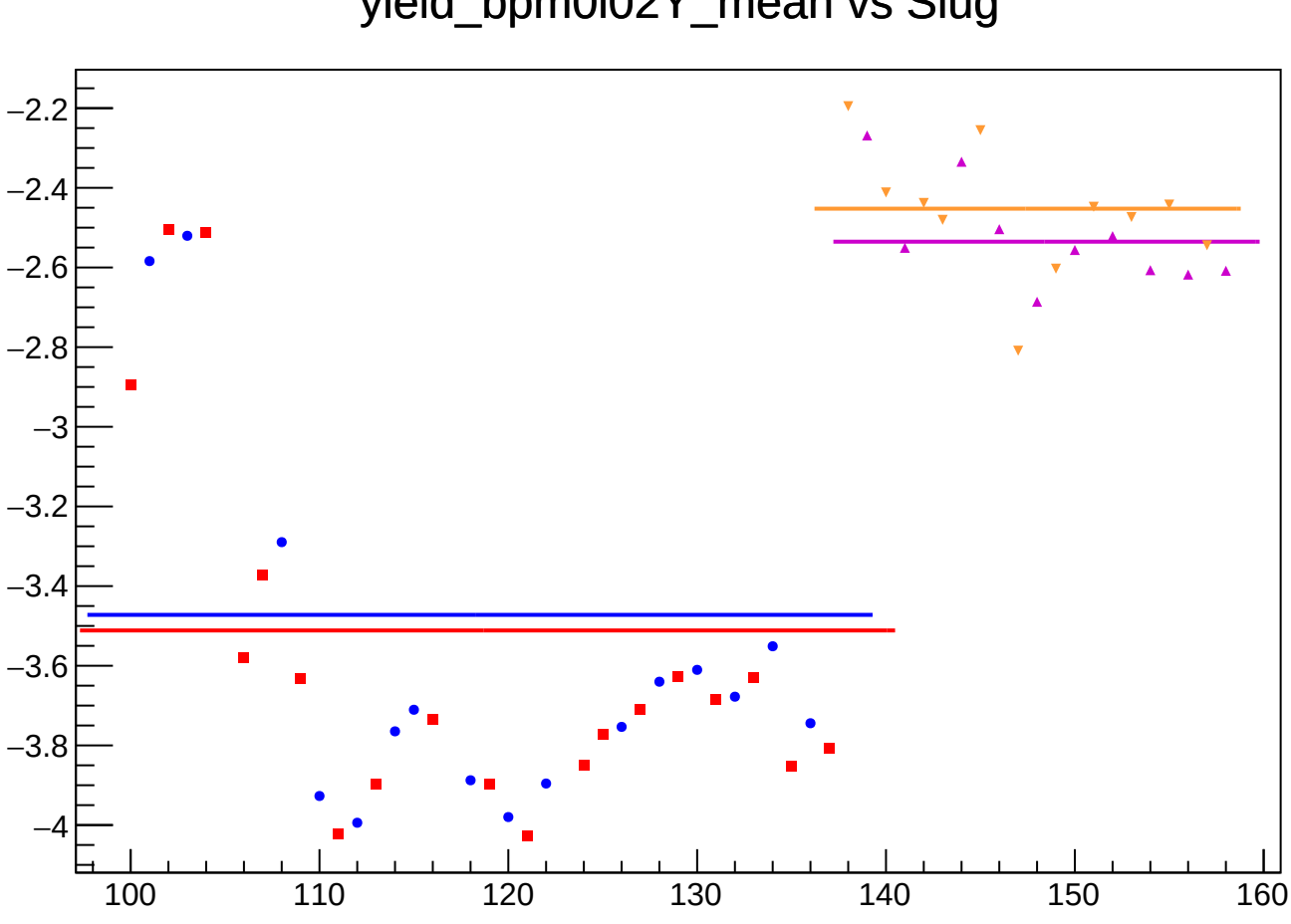
+ sign 0.005+/-0.000 χ^2/NDF: 628781.8/26

All: 0.005+/-0.000 χ^2/NDF: 1365852.9/55

- sign 0.005+/-0.000 χ^2/NDF: 729049.1/28


yield_bpm0i02X_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
100
110
120
130
140
150
160
Right In: -0.205+/-0.000 χ²/NDF: 6189271855.3/15
Left Out: -0.175+/-0.000 χ²/NDF:12047499240.5/10
Right Out: -0.200+/-0.000 χ²/NDF: 5249978819.5/18
Left In: -0.189+/-0.000 χ²/NDF:8518550677.5/9
+ sign -0.186+/-0.000 χ²/NDF: 18319853589.3/26
All: -0.190+/-0.000 χ²/NDF: 32110770385.2/
- sign -0.193+/-0.000 χ²/NDF: 13780482545.5/28


yield_bpm0i02X_rms vs Slug
0.008
0.0075
0.007
0.0065
0.006
0.0055
0.005
100
110
120
130
140
150
160
Right In: 0.007+/-0.000 χ²/NDF: 85159.0/15
Left Out: 0.005+/-0.000 χ²/NDF:93308.5/10
Right Out: 0.007+/-0.000 χ²/NDF: 99819.4/18
Left In: 0.006+/-0.000 χ²/NDF:175472.2/9
+ sign 0.006+/-0.000 χ²/NDF: 573777.5/26
All: 0.006+/-0.000 χ²/NDF: 1125234.5/55
- sign 0.006+/-0.000 χ²/NDF: 547699.3/28



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.452+/-0.000 χ^2/NDF:1532430073.8/10

Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

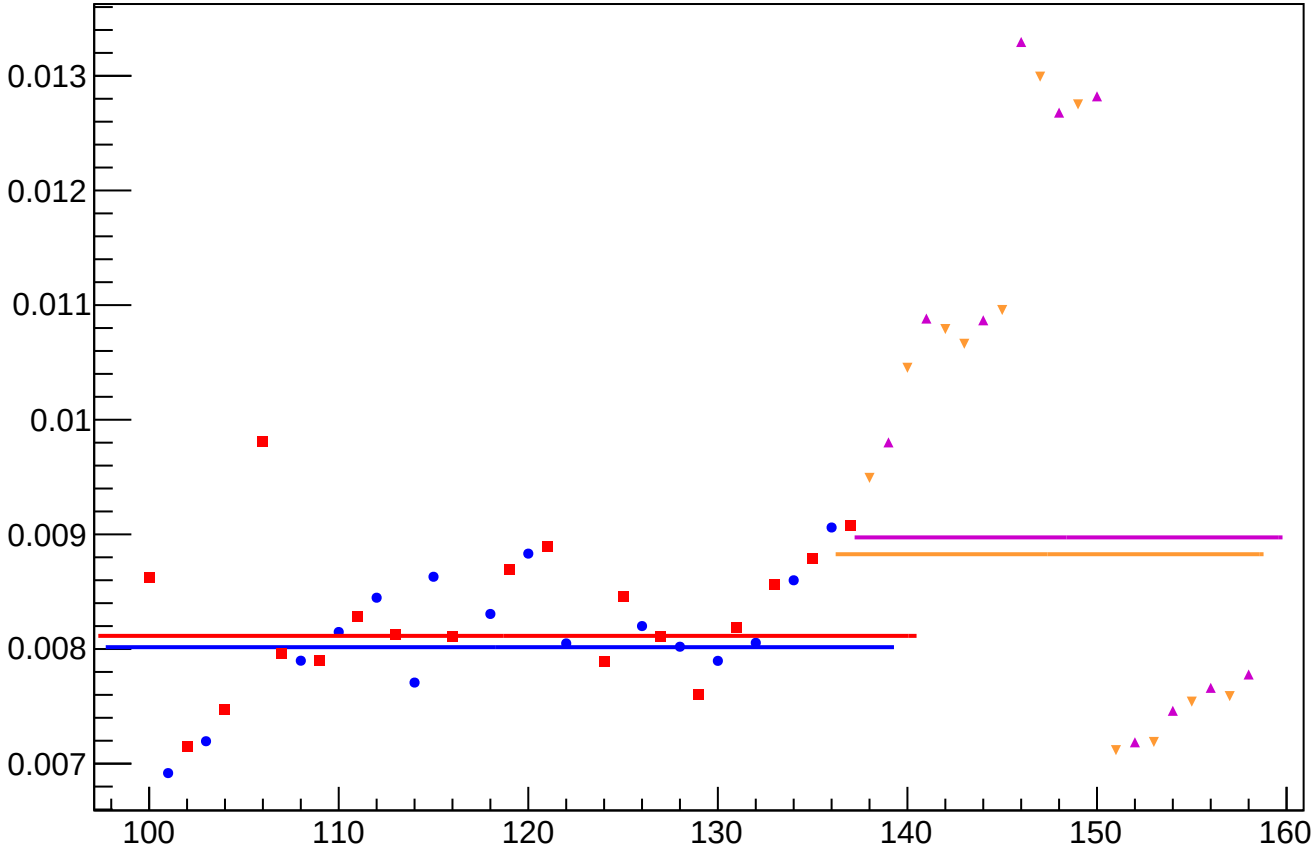
Left In: -2.535+/-0.000 χ^2/NDF:1272814656.0/9

+ sign -2.988+/-0.000 χ^2/NDF: 84829257655.9/26

All: -3.021+/-0.000 χ^2/NDF: 164535656100.8

- sign -3.054+/-0.000 χ^2/NDF: 79262898394.5/28

yield_bpm0i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 86232.2/15

Left Out: 0.009+/-0.000 χ^2/NDF:700913.1/10

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

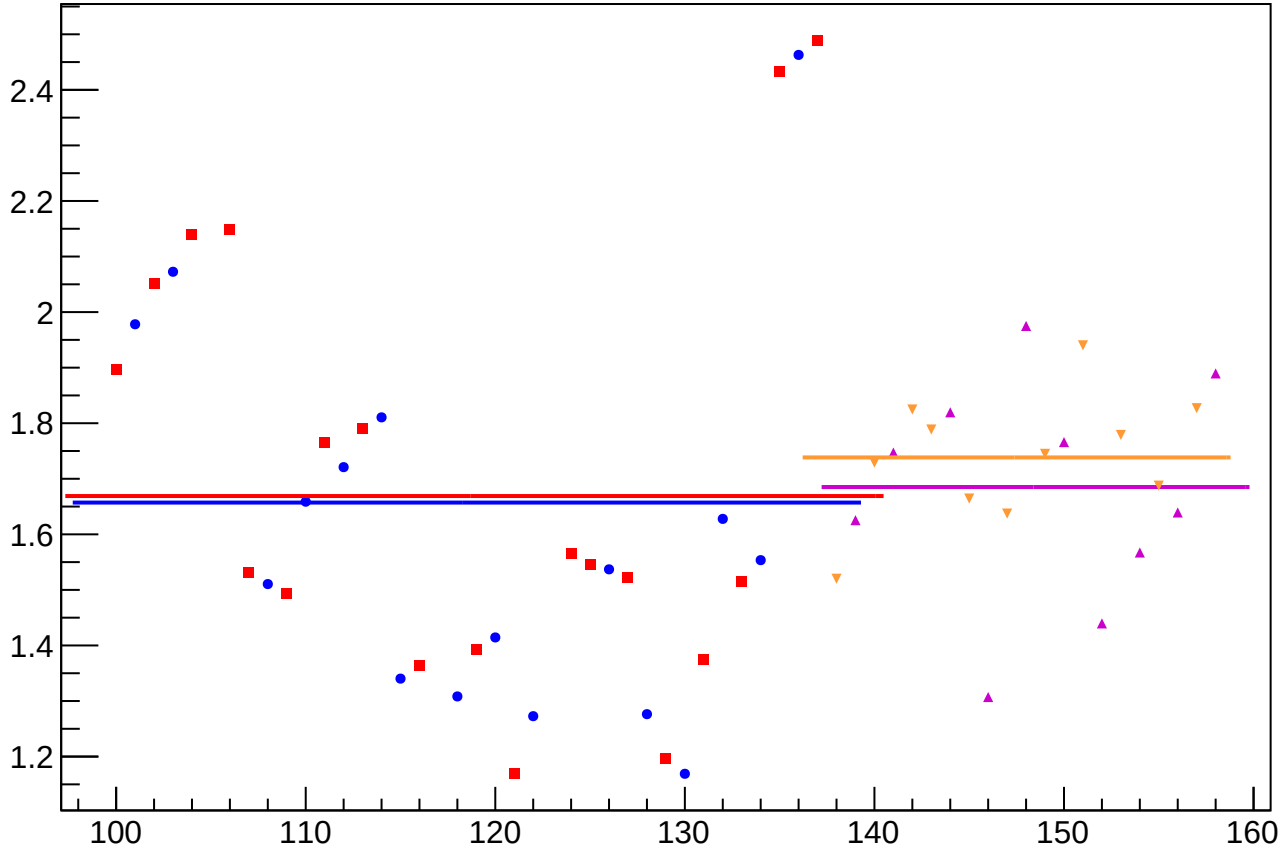
Left In: 0.009+/-0.000 χ^2/NDF:781603.1/9

+ sign 0.008+/-0.000 χ^2/NDF: 855038.6/26

All: 0.008+/-0.000 χ^2/NDF: 1785258.9/55

- sign 0.009+/-0.000 χ^2/NDF: 927441.8/28

yield_bpm0i02aX_mean vs Slug



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.738+/-0.000 χ^2/NDF:761265544.4/10

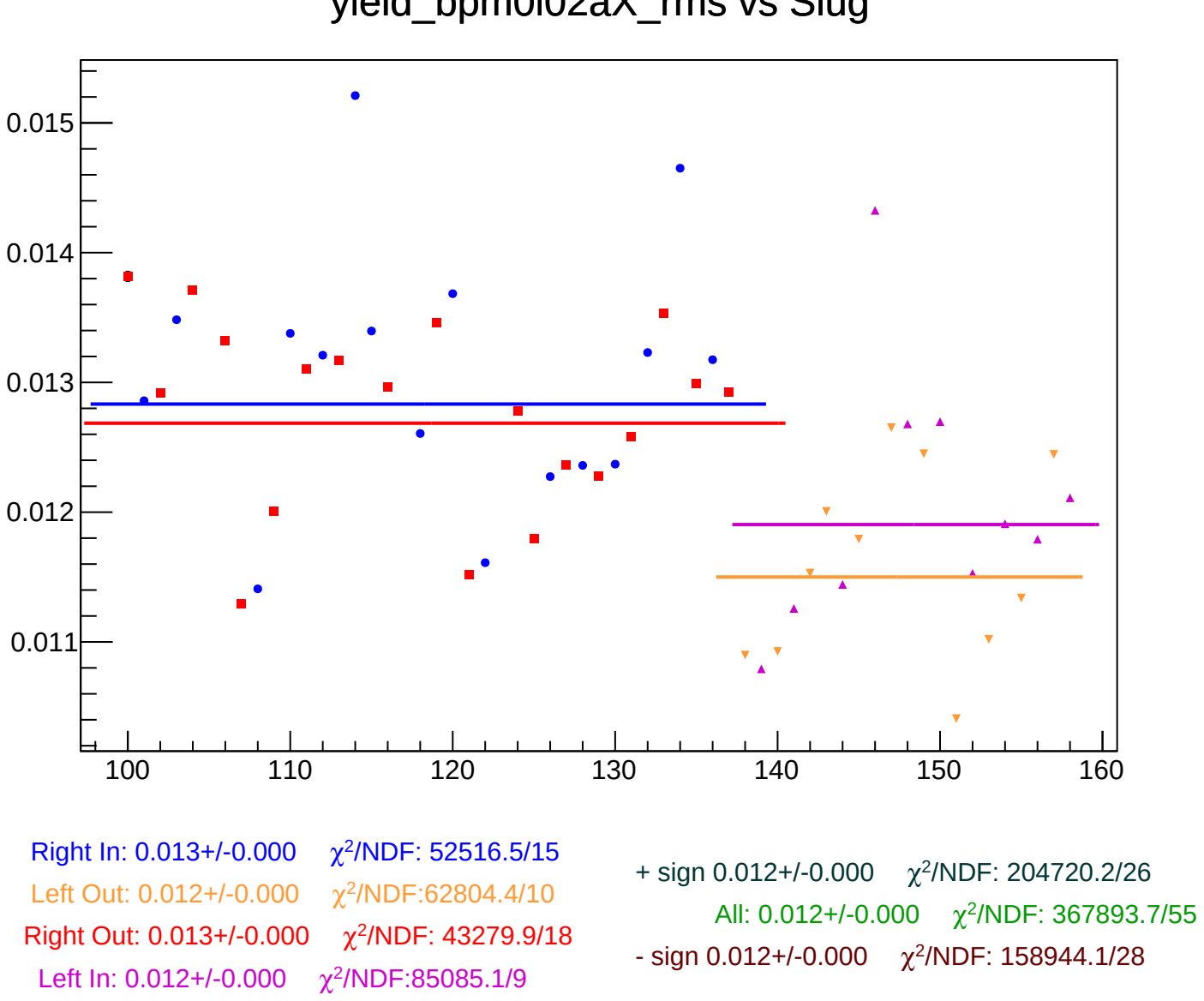
Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

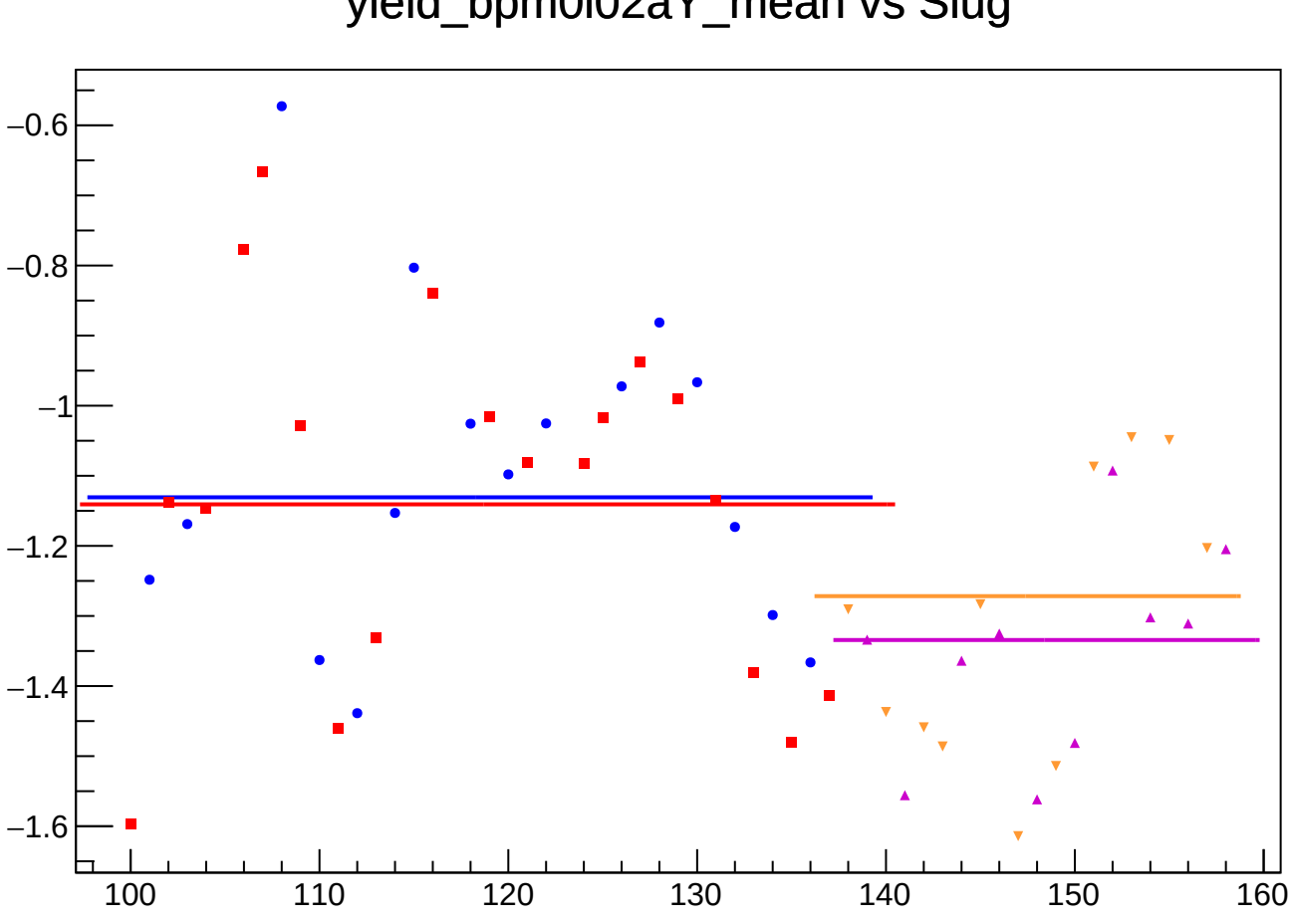
Left In: 1.685+/-0.000 χ^2/NDF:1811735897.8/9

+ sign 1.705+/-0.000 χ^2/NDF: 7593492220.8/26

All: 1.692+/-0.000 χ^2/NDF: 15807307863.8/5

- sign 1.678+/-0.000 χ^2/NDF: 8175910558.2/28


yield_bpm0i02aX_rms vs Slug
0.015
0.014
0.013
0.012
0.011
100
110
120
130
140
150
160
Right In: 0.013+/-0.000 χ²/NDF: 52516.5/15
Left Out: 0.012+/-0.000 χ²/NDF:62804.4/10
Right Out: 0.013+/-0.000 χ²/NDF: 43279.9/18
Left In: 0.012+/-0.000 χ²/NDF:85085.1/9
+ sign 0.012+/-0.000 χ²/NDF: 204720.2/26
All: 0.012+/-0.000 χ²/NDF: 367893.7/55
- sign 0.012+/-0.000 χ²/NDF: 158944.1/28



Right In: -1.131+/-0.000 χ^2/NDF: 3790121991.7/15

Left Out: -1.272+/-0.000 χ^2/NDF:3906145976.5/10

Right Out: -1.141+/-0.000 χ^2/NDF: 3544012262.4/18

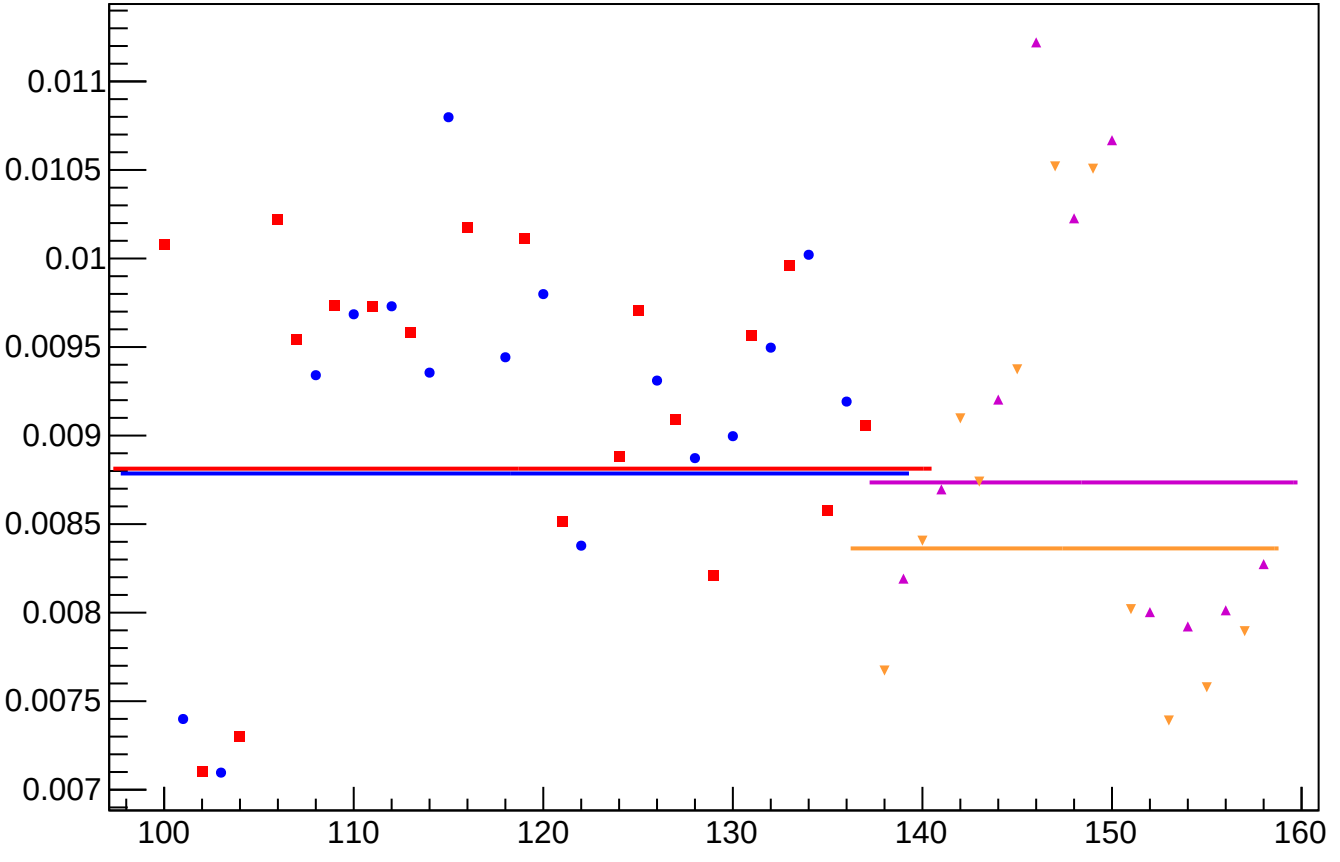
Left In: -1.334+/-0.000 χ^2/NDF:2004721449.3/9

+ sign -1.209+/-0.000 χ^2/NDF: 8677877742.9/26

All: -1.226+/-0.000 χ^2/NDF: 16141693601.2/

- sign -1.244+/-0.000 χ^2/NDF: 7341781506.1/28

yield_bpm0i02aY_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 173477.6/15

Left Out: 0.008+/-0.000 χ^2/NDF:204563.5/10

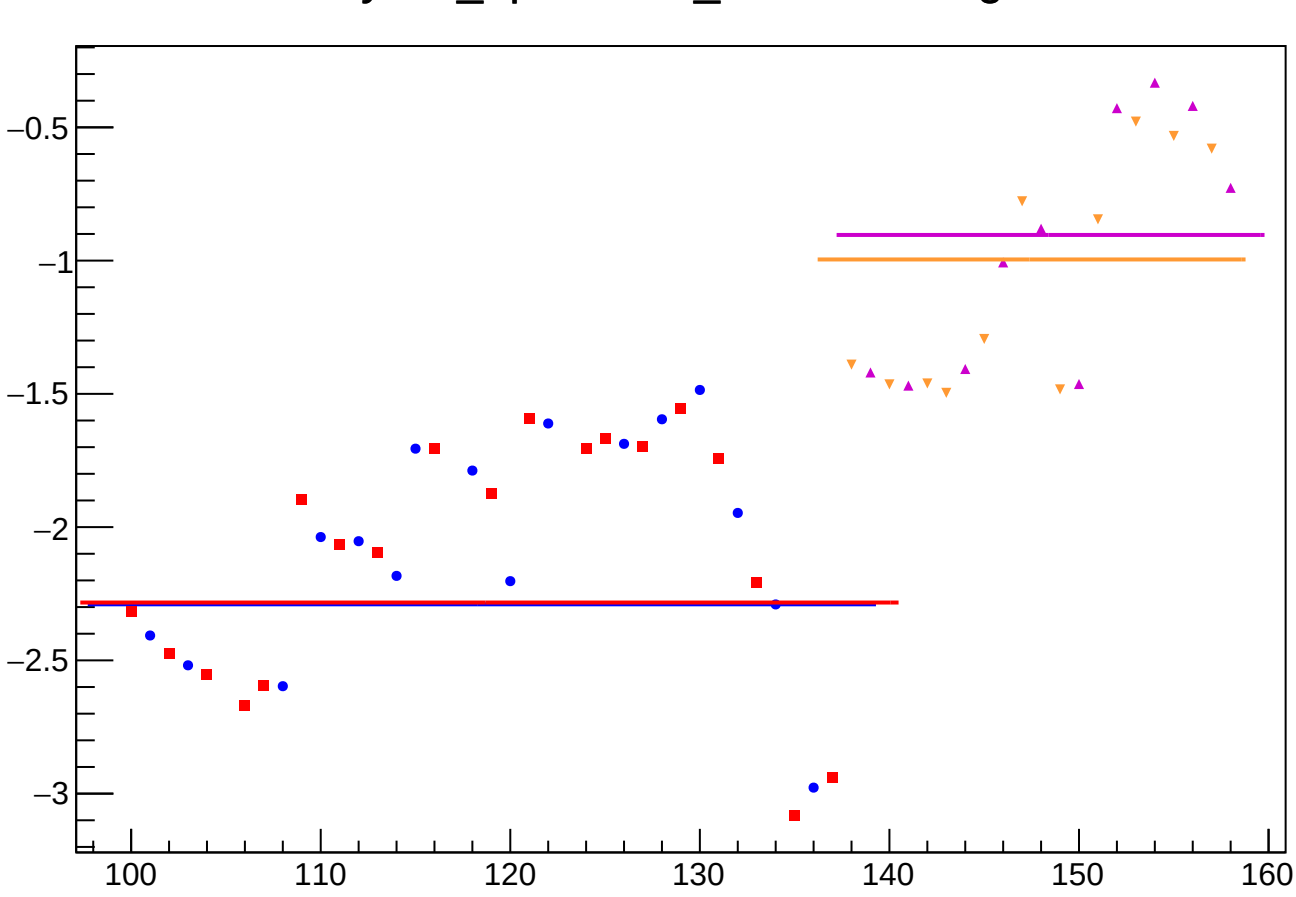
Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.009+/-0.000 χ^2/NDF:209355.2/9

+ sign 0.009+/-0.000 χ^2/NDF: 395723.3/26

All: 0.009+/-0.000 χ^2/NDF: 819688.1/55

- sign 0.009+/-0.000 χ^2/NDF: 414378.3/28



Right In: -2.290+/-0.000 χ^2/NDF: 15222817978.4/15

Left Out: -0.996+/-0.000 χ^2/NDF:19824196533.6/10

Right Out: -2.283+/-0.000 χ^2/NDF: 17032219519.1/18

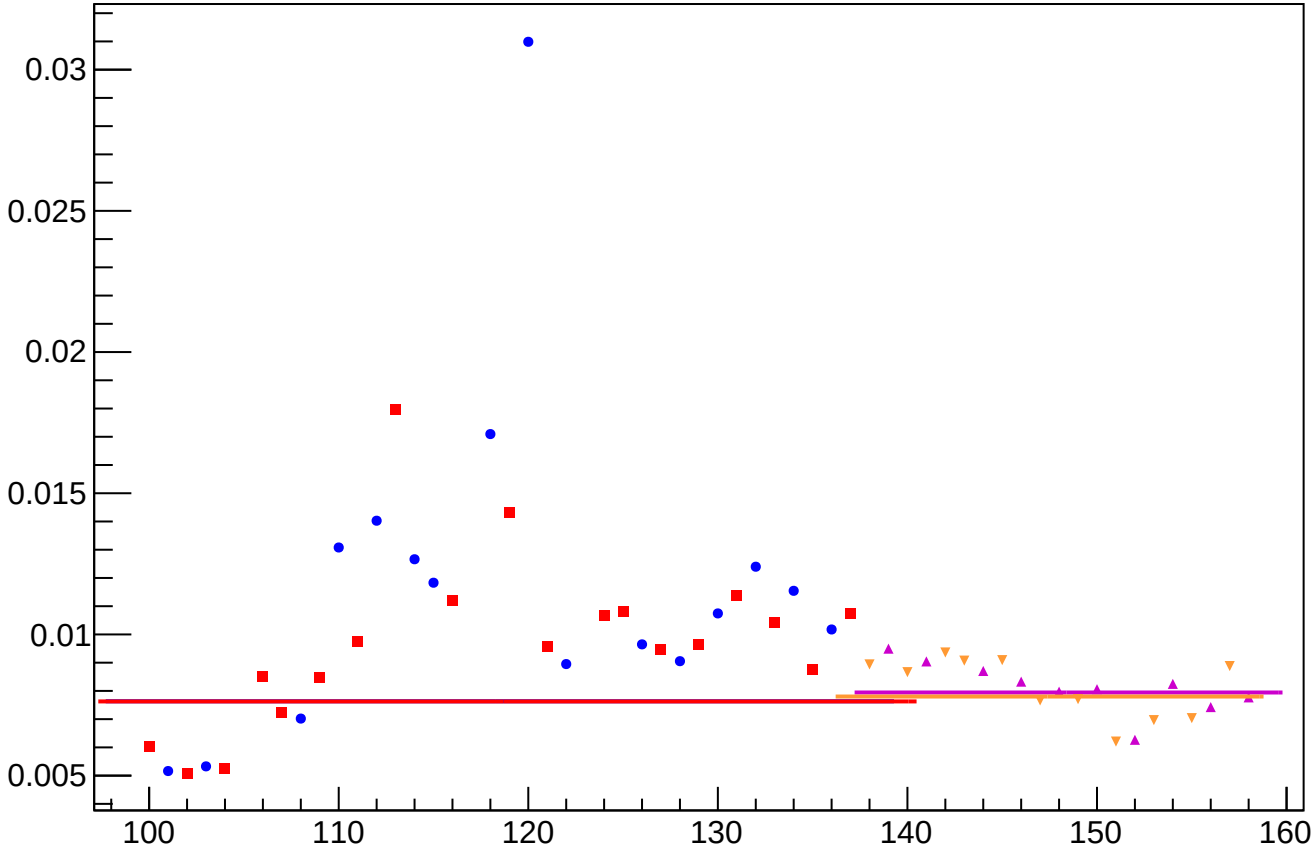
Left In: -0.904+/-0.000 χ^2/NDF:23182666449.6/9

+ sign -1.537+/-0.000 χ^2/NDF: 119973649681.3/26

All: -1.527+/-0.000 χ^2/NDF: 260910001705.9

- sign -1.517+/-0.000 χ^2/NDF: 140891261150.2/28

yield_bpm0i05X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 1710797.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:266555.8/10

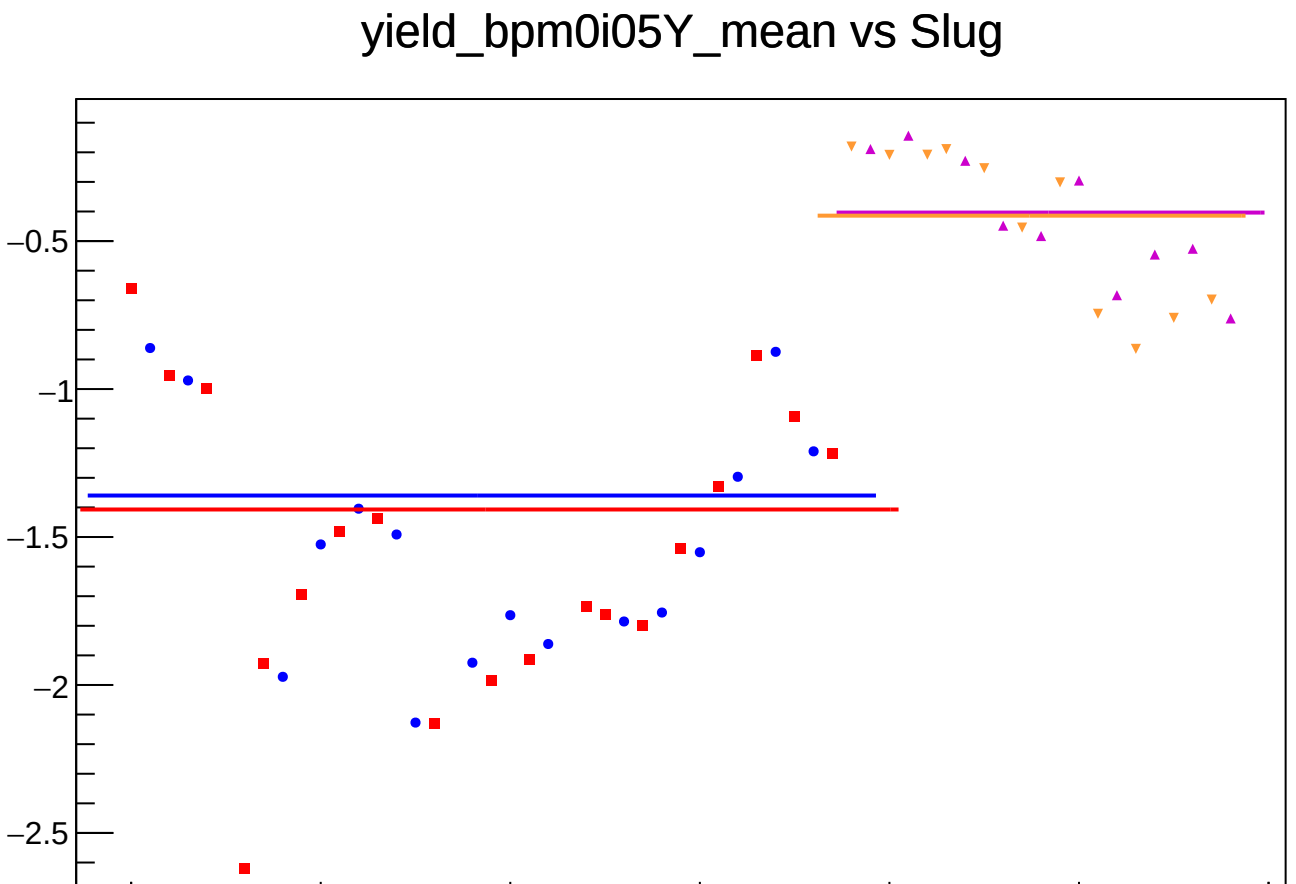
Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.008+/-0.000 χ^2/NDF:200950.5/9

+ sign 0.008+/-0.000 χ^2/NDF: 1980226.7/26

All: 0.008+/-0.000 χ^2/NDF: 3510644.2/55

- sign 0.008+/-0.000 χ^2/NDF: 1529298.9/28



Right In: -1.360+/-0.000 χ^2/NDF: 21491965614.5/15

Left Out: -0.414+/-0.000 χ^2/NDF:23947969720.6/10

Right Out: -1.407+/-0.000 χ^2/NDF: 29835610413.0/18

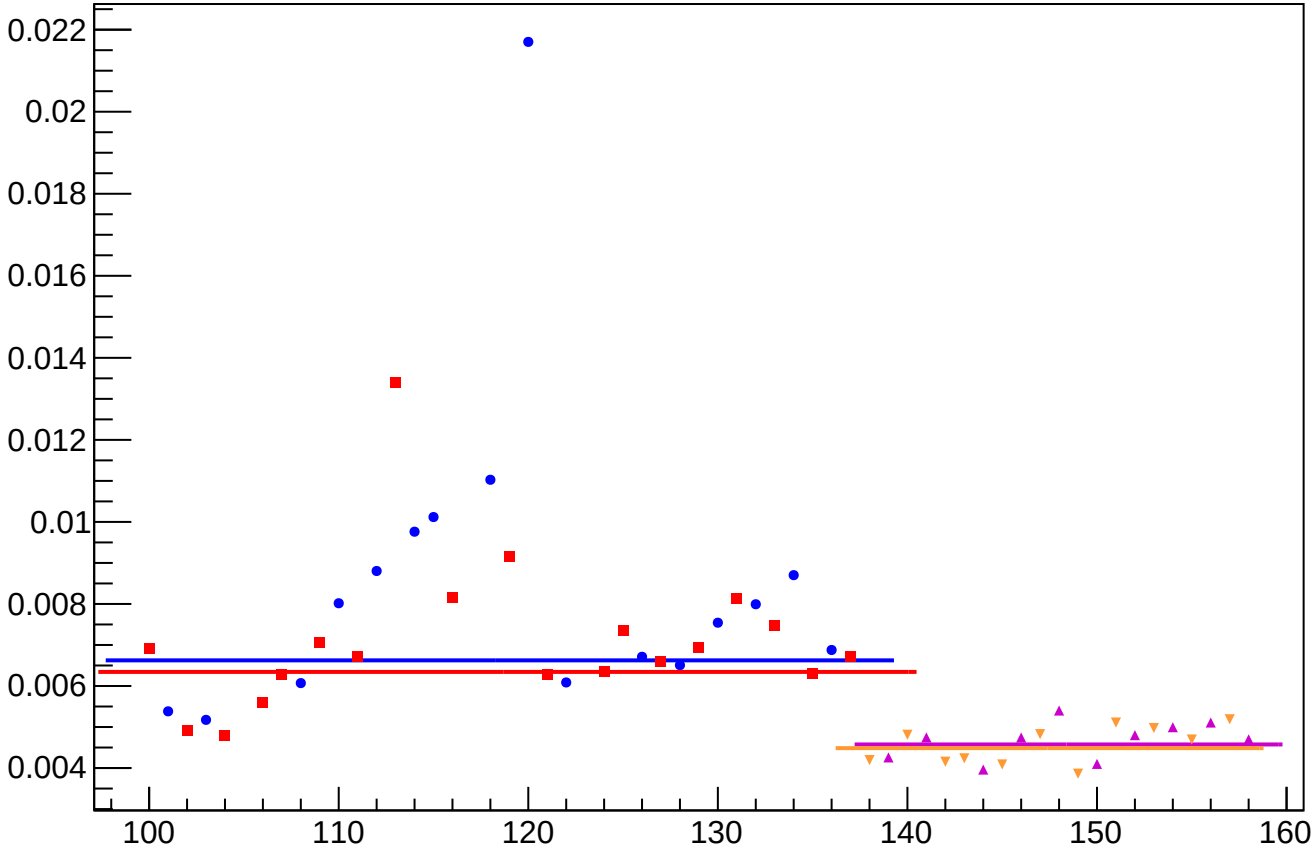
Left In: -0.404+/-0.000 χ^2/NDF:15150349025.2/9

+ sign -0.659+/-0.000 χ^2/NDF: 132807410319.2/26

All: -0.680+/-0.000 χ^2/NDF: 286064236552.0

- sign -0.700+/-0.000 χ^2/NDF: 152833087064.0/28

yield_bpm0i05Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 693783.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:145911.0/10

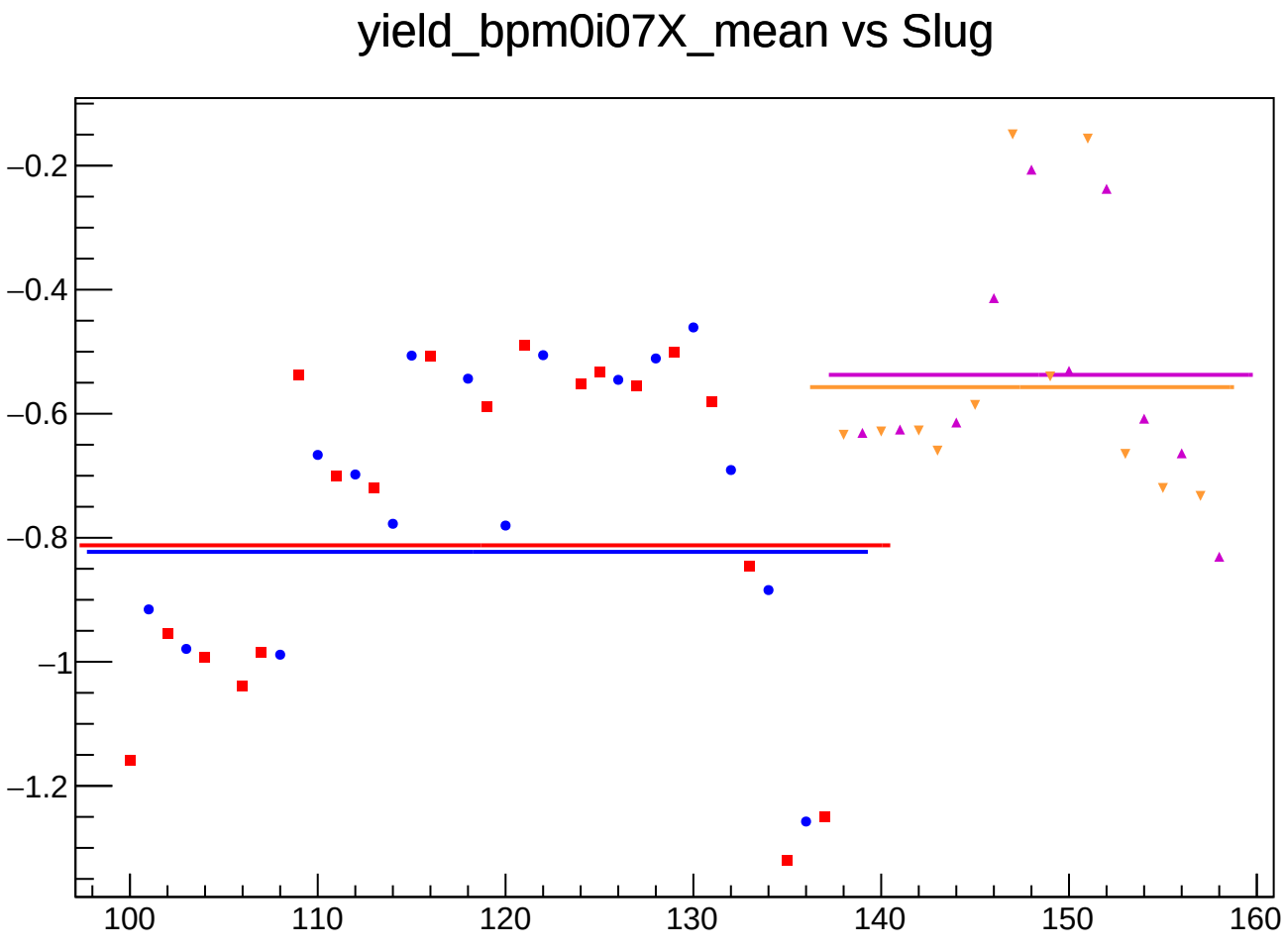
Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.005+/-0.000 χ^2/NDF:134122.1/9

+ sign 0.005+/-0.000 χ^2/NDF: 1734059.0/26

All: 0.005+/-0.000 χ^2/NDF: 3069142.6/55

- sign 0.005+/-0.000 χ^2/NDF: 1333409.3/28



Right In: -0.823+/-0.000 χ^2/NDF: 12226599844.5/15

Left Out: -0.557+/-0.000 χ^2/NDF:12474742395.1/10

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

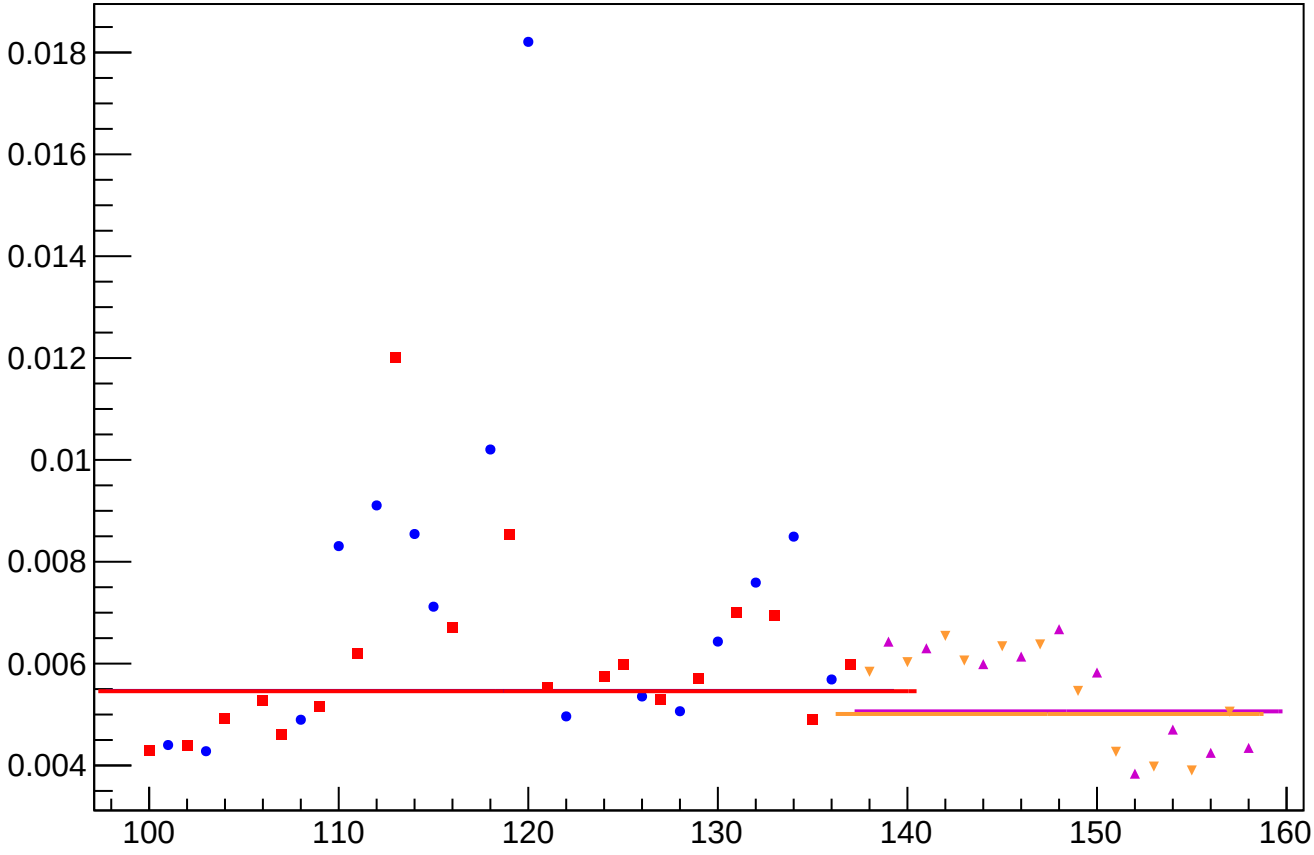
Left In: -0.537+/-0.000 χ^2/NDF:11785908554.3/9

+ sign -0.661+/-0.000 χ^2/NDF: 32657301703.0/26

All: -0.655+/-0.000 χ^2/NDF: 68266671695.0/

- sign -0.650+/-0.000 χ^2/NDF: 35584022571.4/28

yield_bpm0i07X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 961483.6/15

Left Out: 0.005+/-0.000 χ^2/NDF:555663.7/10

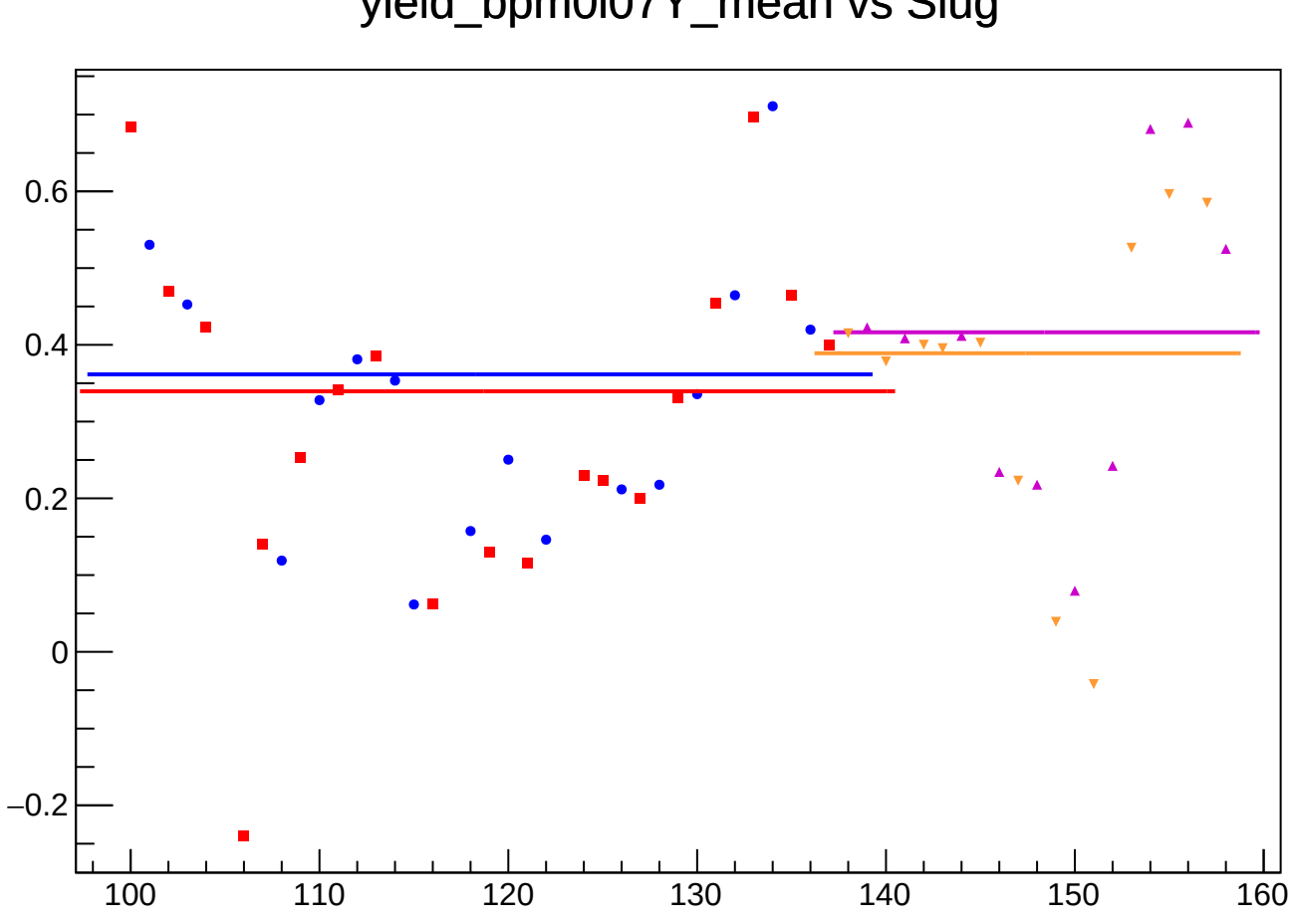
Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.005+/-0.000 χ^2/NDF:593613.5/9

+ sign 0.005+/-0.000 χ^2/NDF: 1563244.5/26

All: 0.005+/-0.000 χ^2/NDF: 2702655.4/55

- sign 0.005+/-0.000 χ^2/NDF: 1138725.6/28



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.389+/-0.000 χ^2/NDF:14685339892.8/10

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

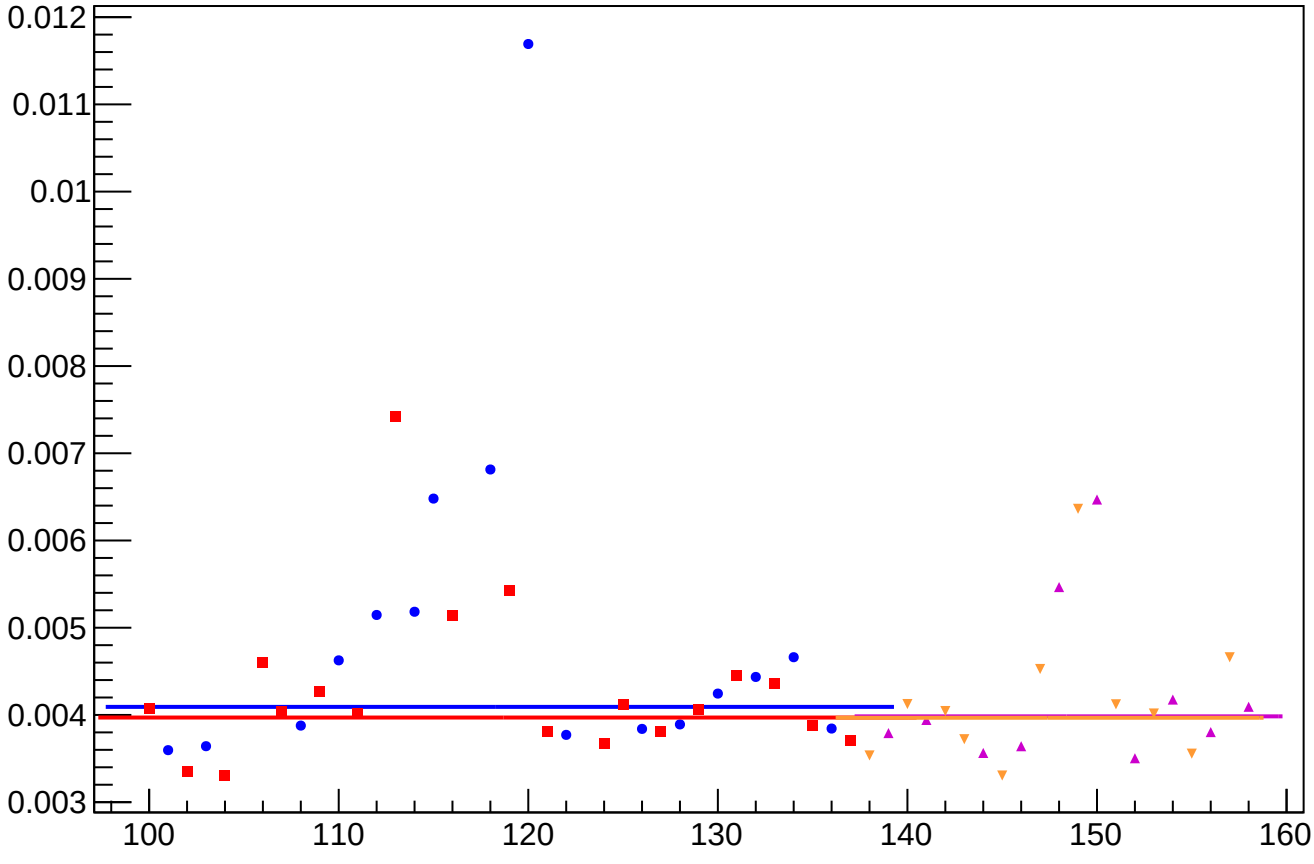
Left In: 0.416+/-0.000 χ^2/NDF:13393506521.9/9

+ sign 0.376+/-0.000 χ^2/NDF: 23606796692.6/26

All: 0.377+/-0.000 χ^2/NDF: 50278630263.0/5

- sign 0.378+/-0.000 χ^2/NDF: 26670268050.4/28

yield_bpm0i07Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 491748.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:324959.0/10

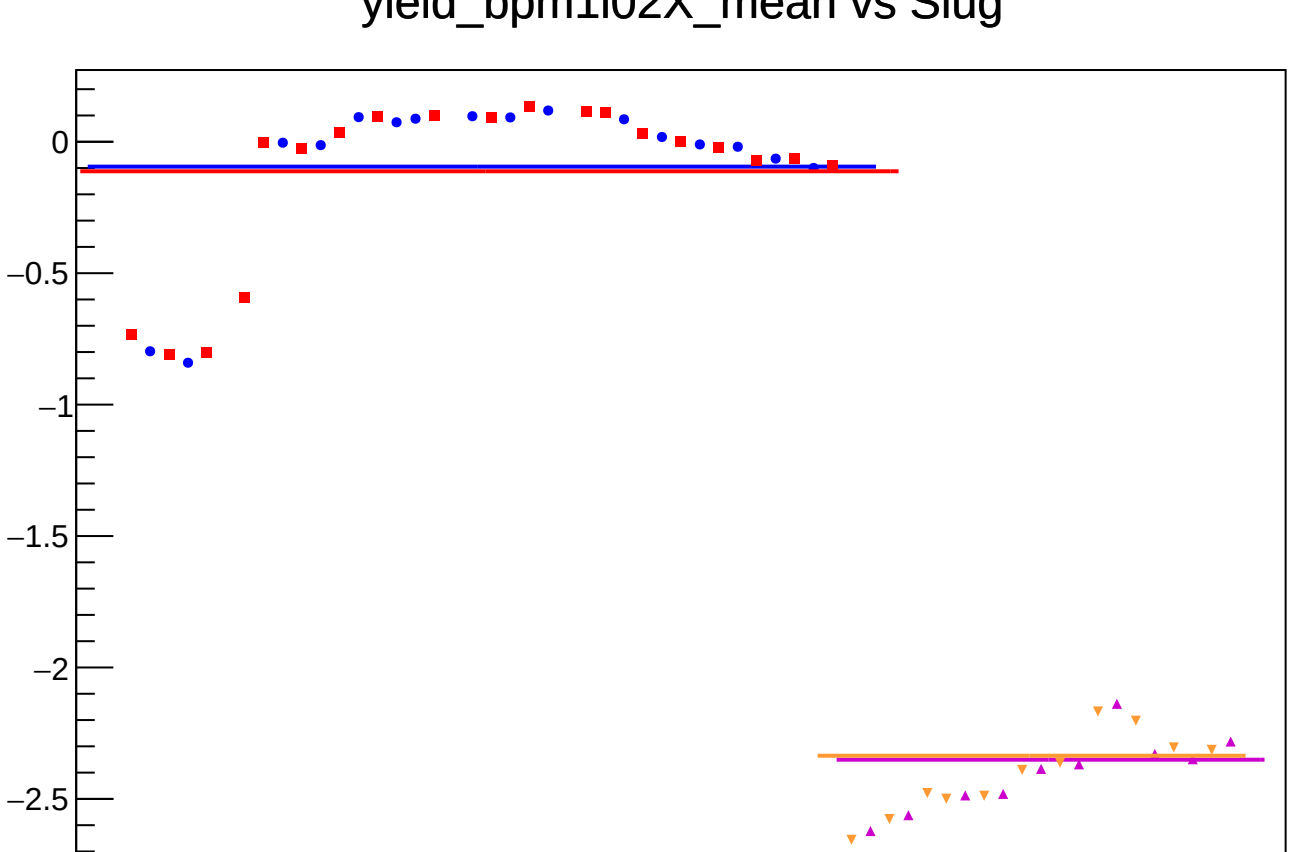
Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.004+/-0.000 χ^2/NDF:364793.9/9

+ sign 0.004+/-0.000 χ^2/NDF: 822692.6/26

All: 0.004+/-0.000 χ^2/NDF: 1503222.0/55

- sign 0.004+/-0.000 χ^2/NDF: 678570.0/28



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.336+/-0.000 χ^2/NDF:1522223728.7/10

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

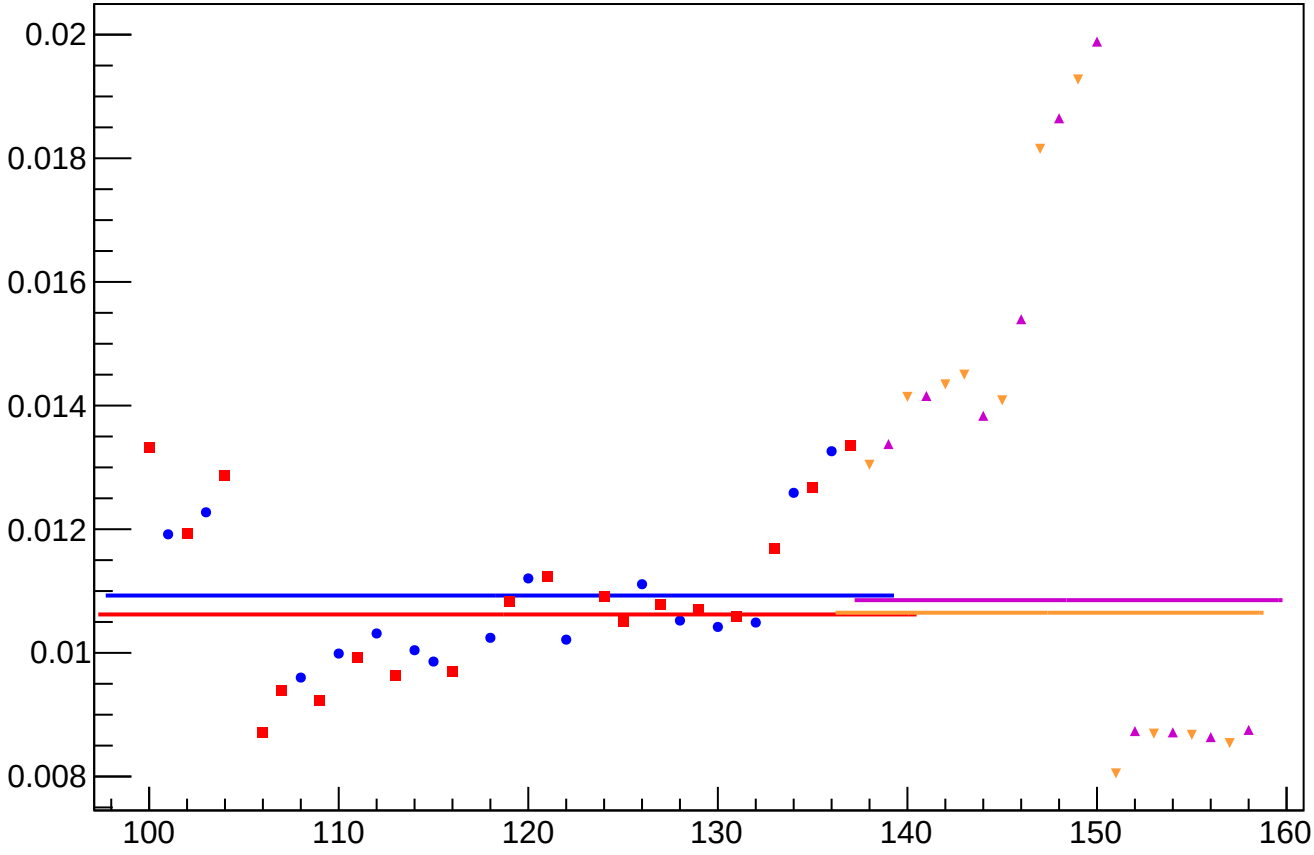
Left In: -2.351+/-0.000 χ^2/NDF:1264564791.6/9

+ sign -1.299+/-0.000 χ^2/NDF: 168021635819.4/26

All: -1.273+/-0.000 χ^2/NDF: 341735967210.1

- sign -1.248+/-0.000 χ^2/NDF: 173541378096.2/28

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 136478.1/15

Left Out: 0.011+/-0.000 χ^2/NDF:1476625.3/10

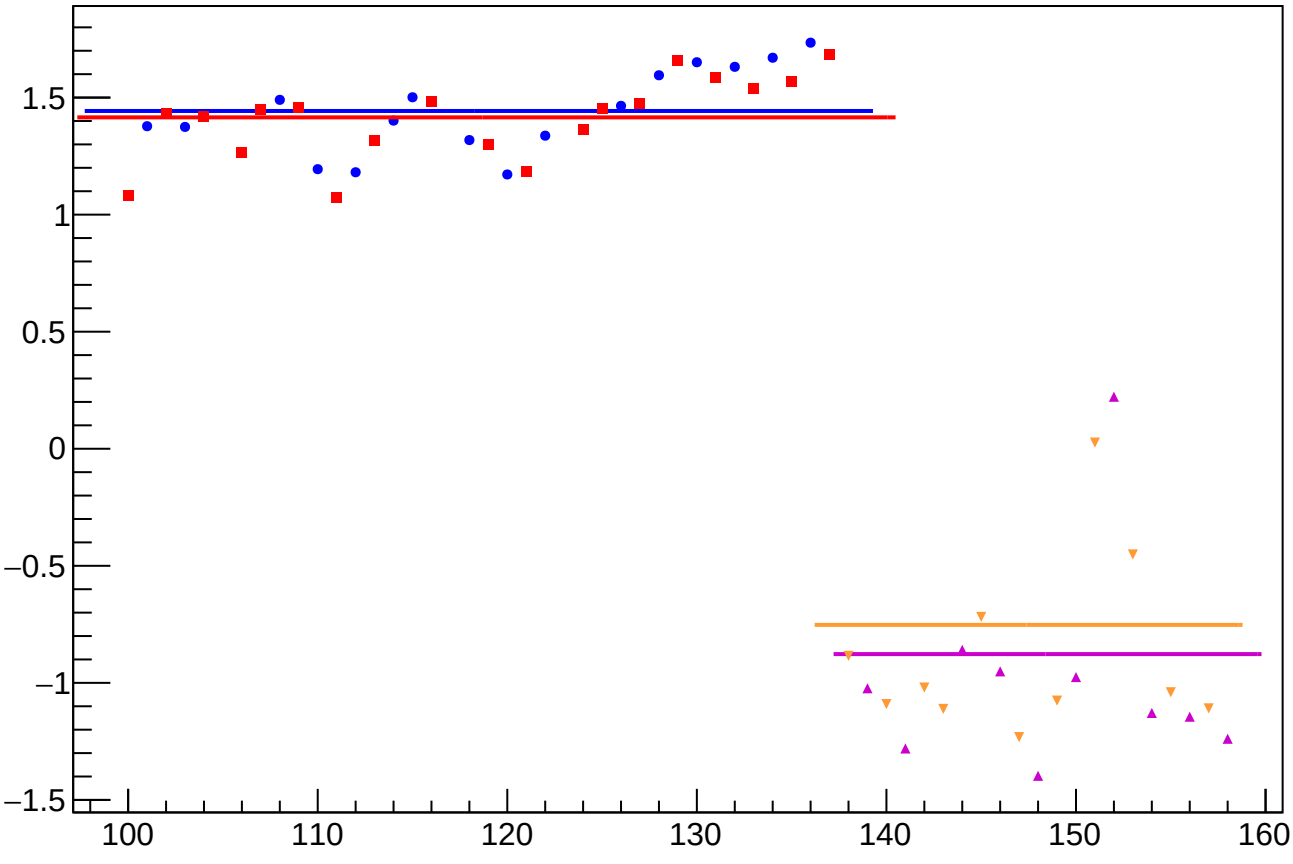
Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

Left In: 0.011+/-0.000 χ^2/NDF:1468175.3/9

+ sign 0.011+/-0.000 χ^2/NDF: 1618059.8/26

All: 0.011+/-0.000 χ^2/NDF: 3280507.9/55

- sign 0.011+/-0.000 χ^2/NDF: 1662245.3/28



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -0.752+/-0.000 χ^2/NDF:24444545489.8/10

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

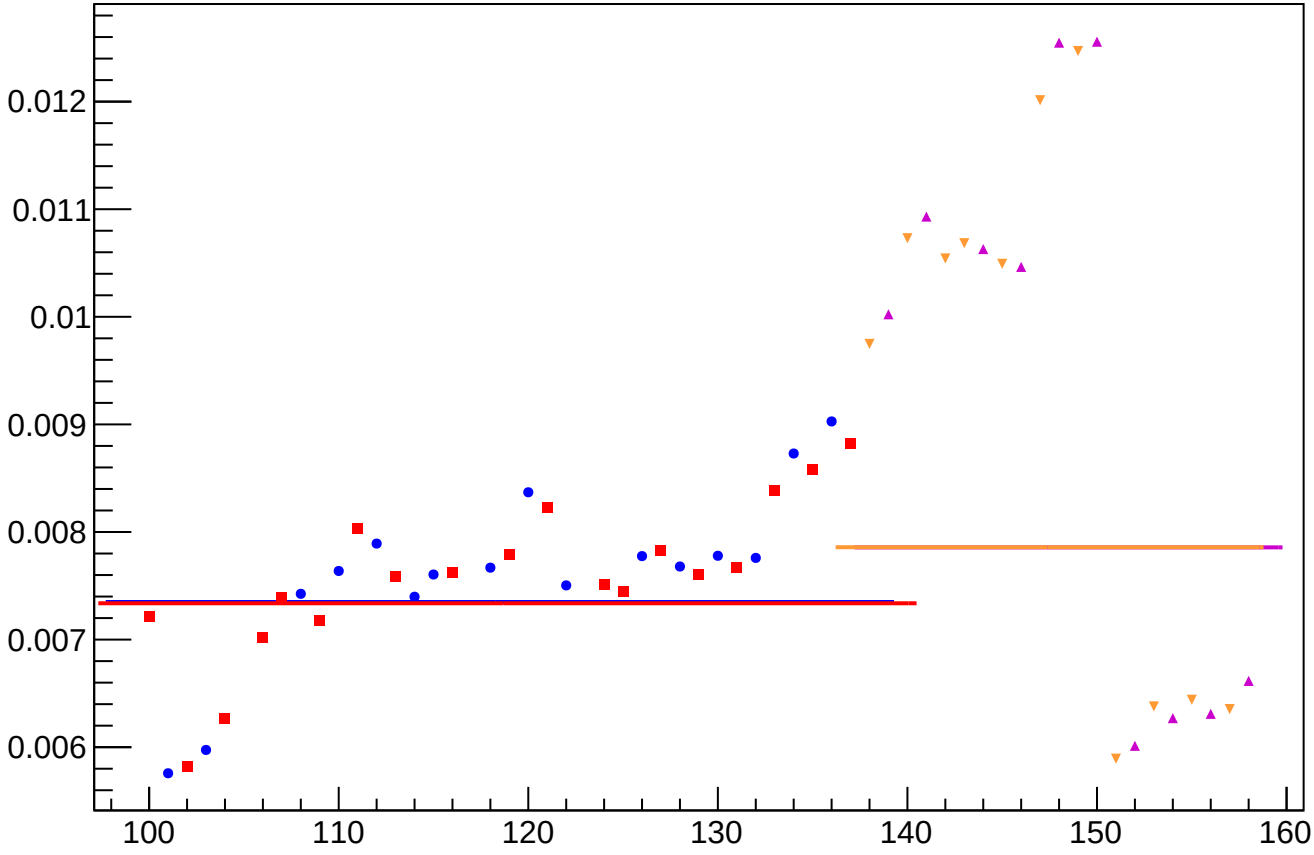
Left In: -0.877+/-0.000 χ^2/NDF:37231822211.2/9

+ sign 0.354+/-0.000 χ^2/NDF: 340961682370.0/26

All: 0.327+/-0.000 χ^2/NDF: 730951603396.8

- sign 0.302+/-0.000 χ^2/NDF: 389637638982.1/28

yield_bpm1i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 270864.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:1318848.7/10

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

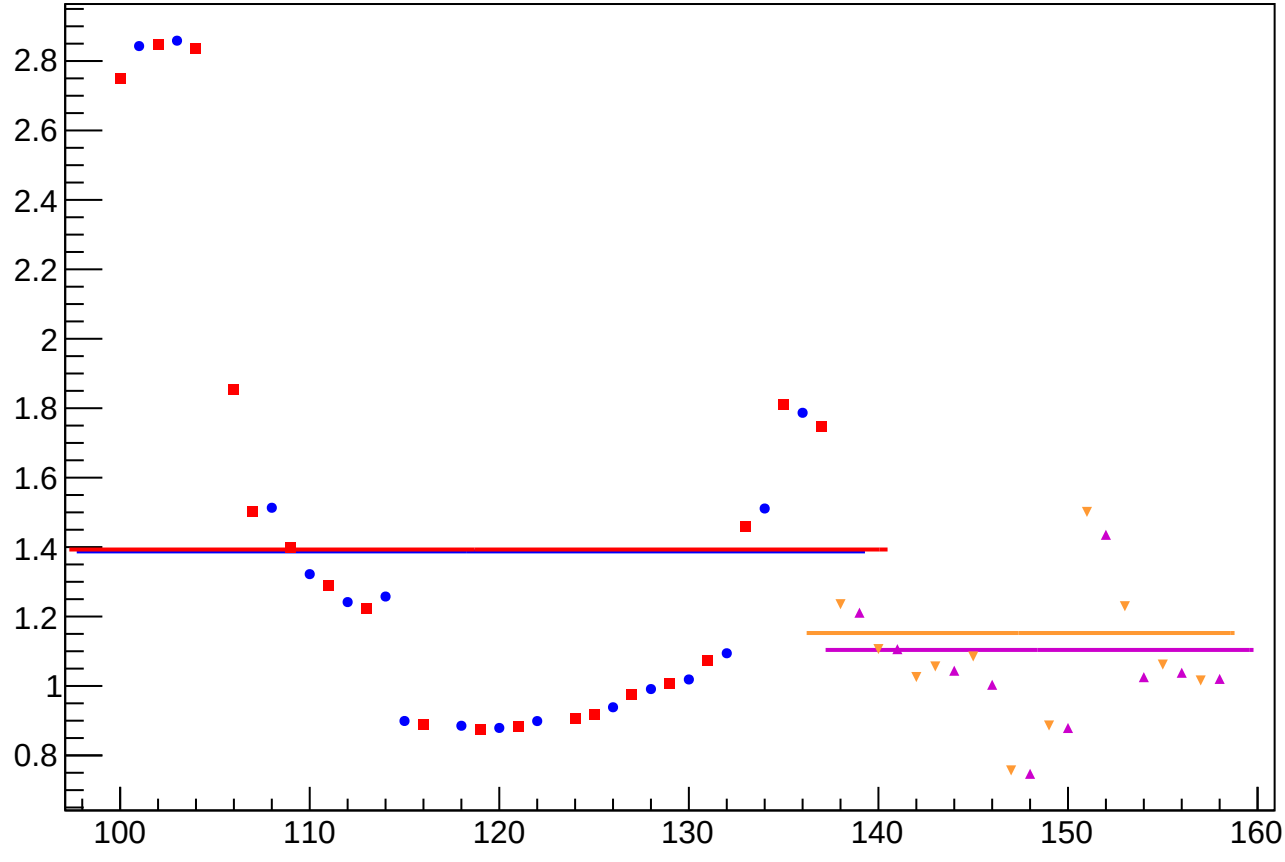
Left In: 0.008+/-0.000 χ^2/NDF:1368412.8/9

+ sign 0.008+/-0.000 χ^2/NDF: 1623377.3/26

All: 0.008+/-0.000 χ^2/NDF: 3223113.5/55

- sign 0.008+/-0.000 χ^2/NDF: 1599697.6/28

yield_bpm1i04X_mean vs Slug



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.153+/-0.000 χ^2/NDF:4962430770.0/10

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

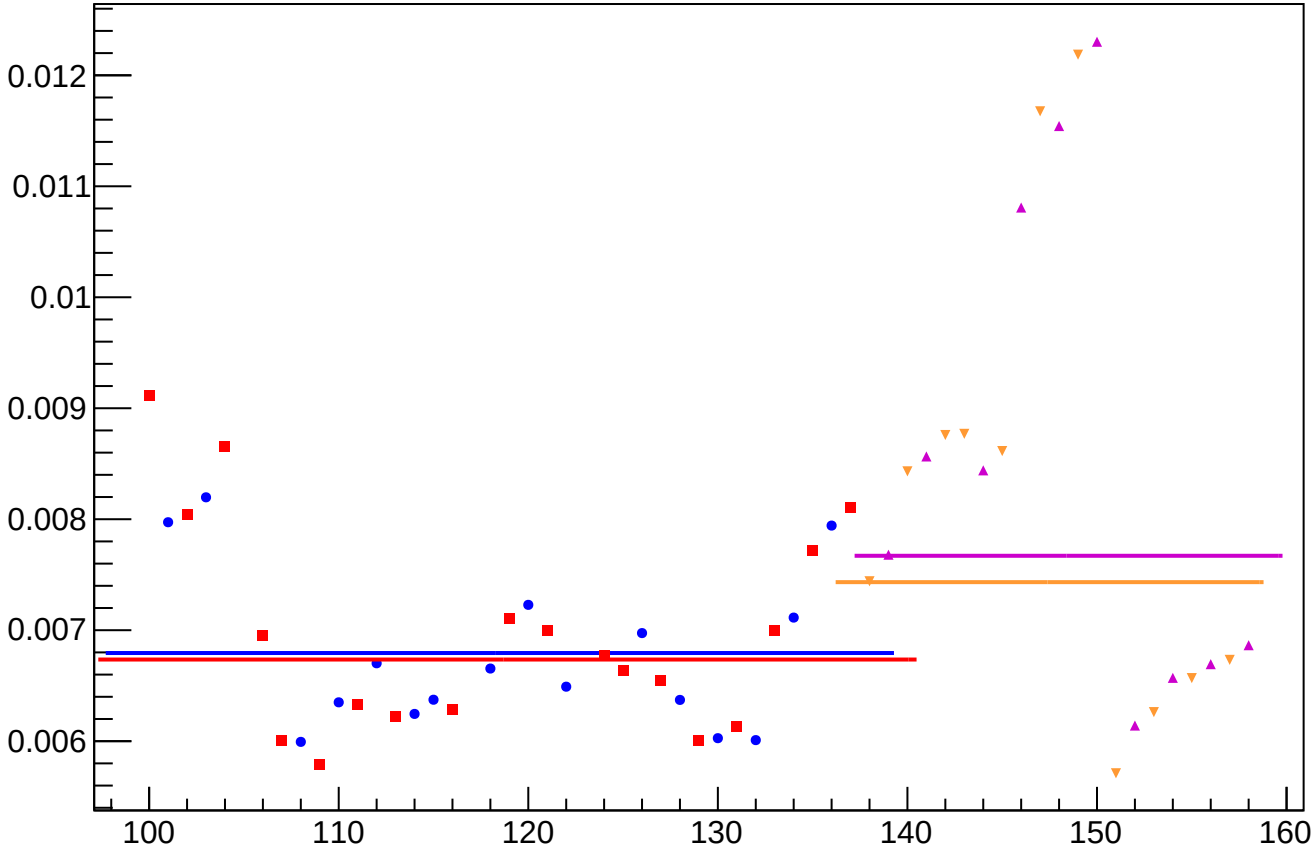
Left In: 1.104+/-0.000 χ^2/NDF:4137220077.4/9

+ sign 1.274+/-0.000 χ^2/NDF: 67673001708.8/26

All: 1.268+/-0.000 χ^2/NDF: 133395259423.6

- sign 1.261+/-0.000 χ^2/NDF: 65695888859.7/28

yield_bpm1i04X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 164456.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:777351.5/10

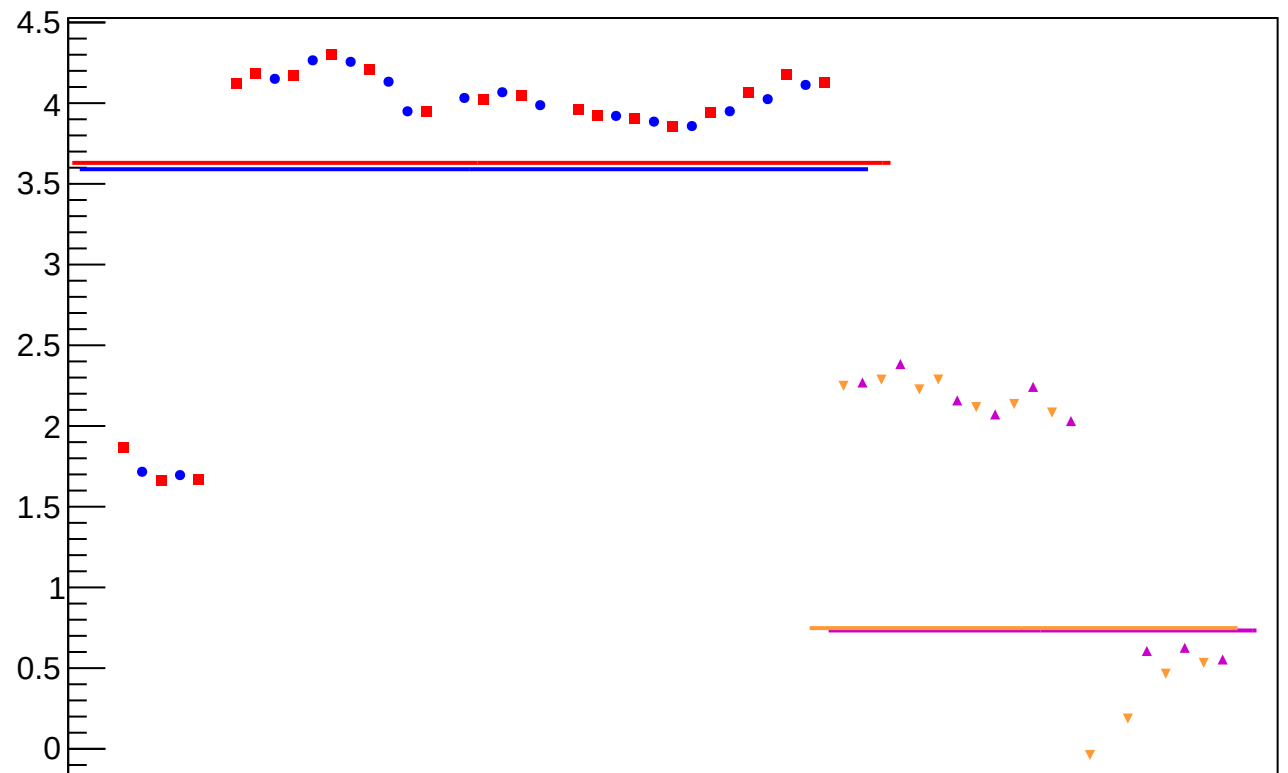
Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

Left In: 0.008+/-0.000 χ^2/NDF:793371.4/9

+ sign 0.007+/-0.000 χ^2/NDF: 1002311.1/26

All: 0.007+/-0.000 χ^2/NDF: 2124679.4/55

- sign 0.007+/-0.000 χ^2/NDF: 1121285.9/28



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 0.748+/-0.000 χ^2/NDF:238694568757.3/10

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

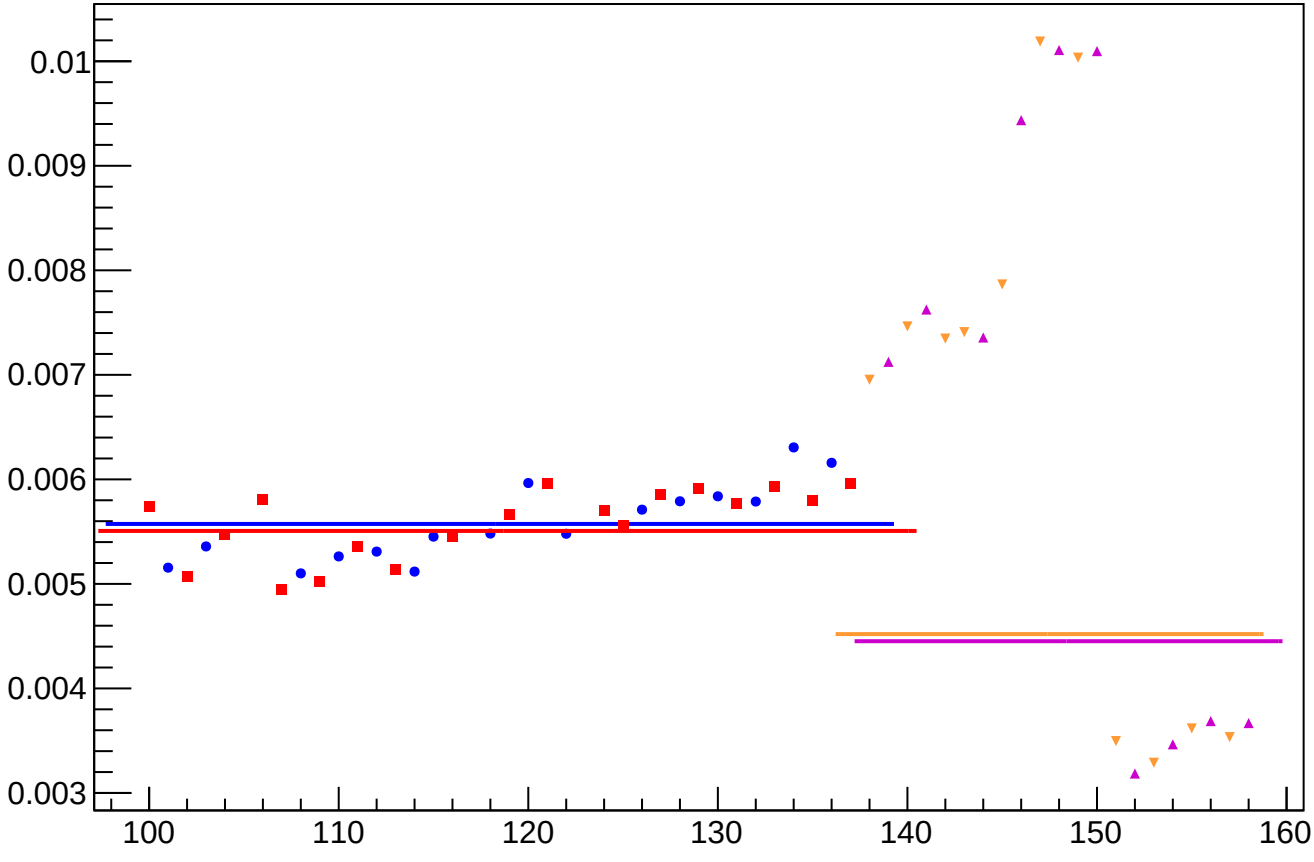
Left In: 0.733+/-0.000 χ^2/NDF:240778663157.5/9

+ sign 1.904+/-0.000 χ^2/NDF: 1547278254175.8/26

All: 1.910+/-0.000 χ^2/NDF: 3196177189439.

- sign 1.916+/-0.000 χ^2/NDF: 1648853350725.4/28

yield_bpm1i04Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 59130.1/15

Left Out: 0.005+/-0.000 χ^2/NDF:2560988.8/10

Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

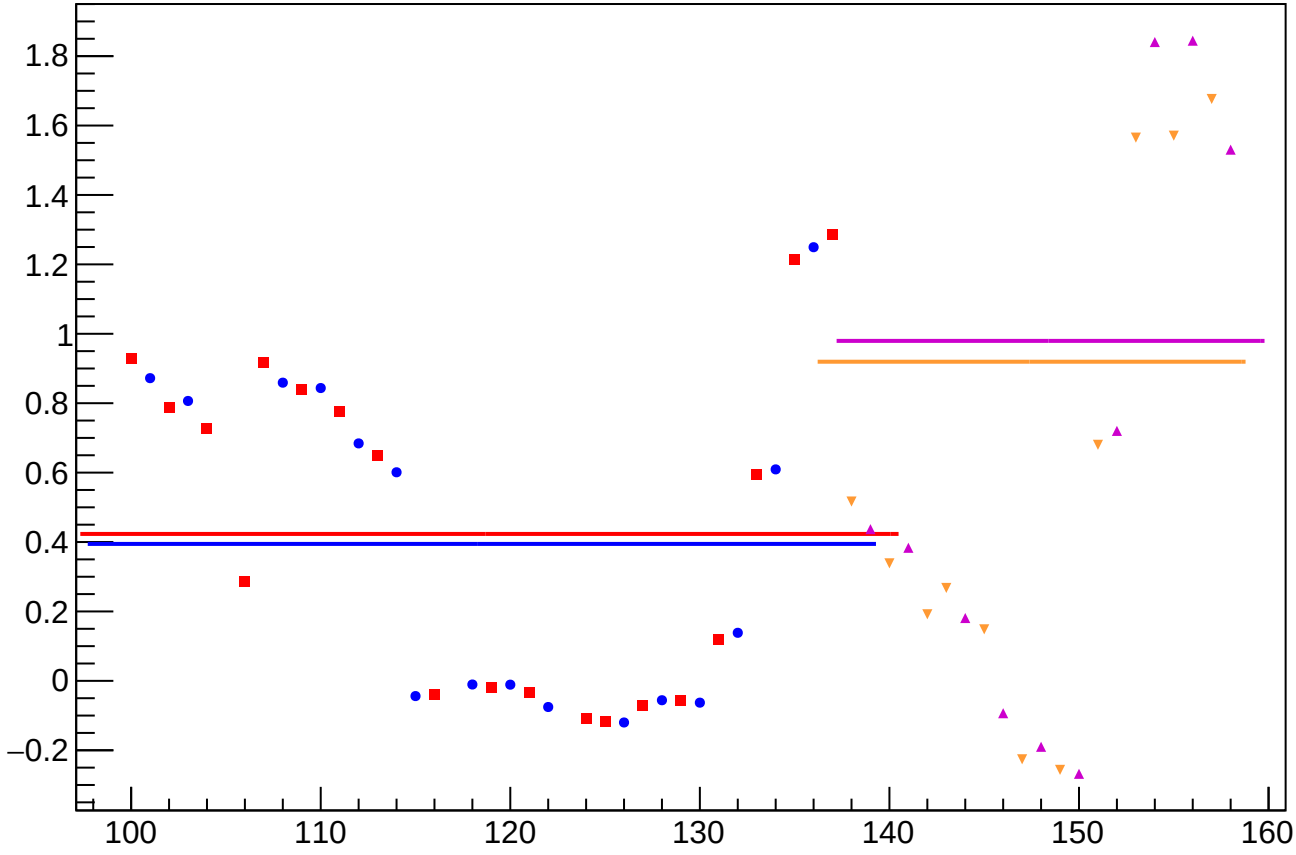
Left In: 0.004+/-0.000 χ^2/NDF:2782326.1/9

+ sign 0.005+/-0.000 χ^2/NDF: 2924217.1/26

All: 0.005+/-0.000 χ^2/NDF: 6083531.0/55

- sign 0.005+/-0.000 χ^2/NDF: 3156823.2/28

yield_bpm1i06X_mean vs Slug



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 0.920+/-0.000 χ^2/NDF:25317149188.9/10

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

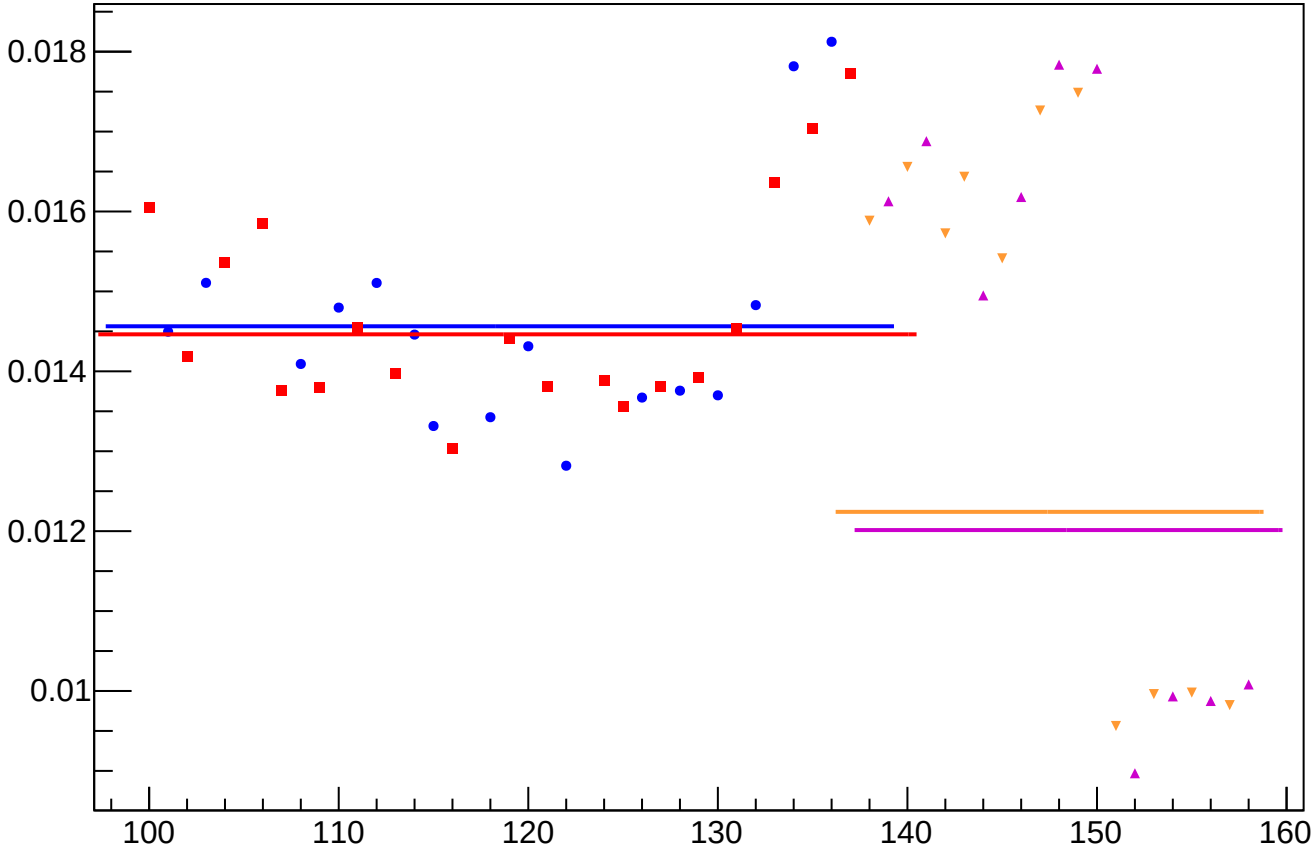
Left In: 0.980+/-0.000 χ^2/NDF:32430342103.3/9

+ sign 0.717+/-0.000 χ^2/NDF: 38390715794.7/26

All: 0.741+/-0.000 χ^2/NDF: 84440950442.2/5

- sign 0.765+/-0.000 χ^2/NDF: 45948759156.0/28

yield_bpm1i06X_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 133134.7/15

Left Out: 0.012+/-0.000 χ^2/NDF:1087793.2/10

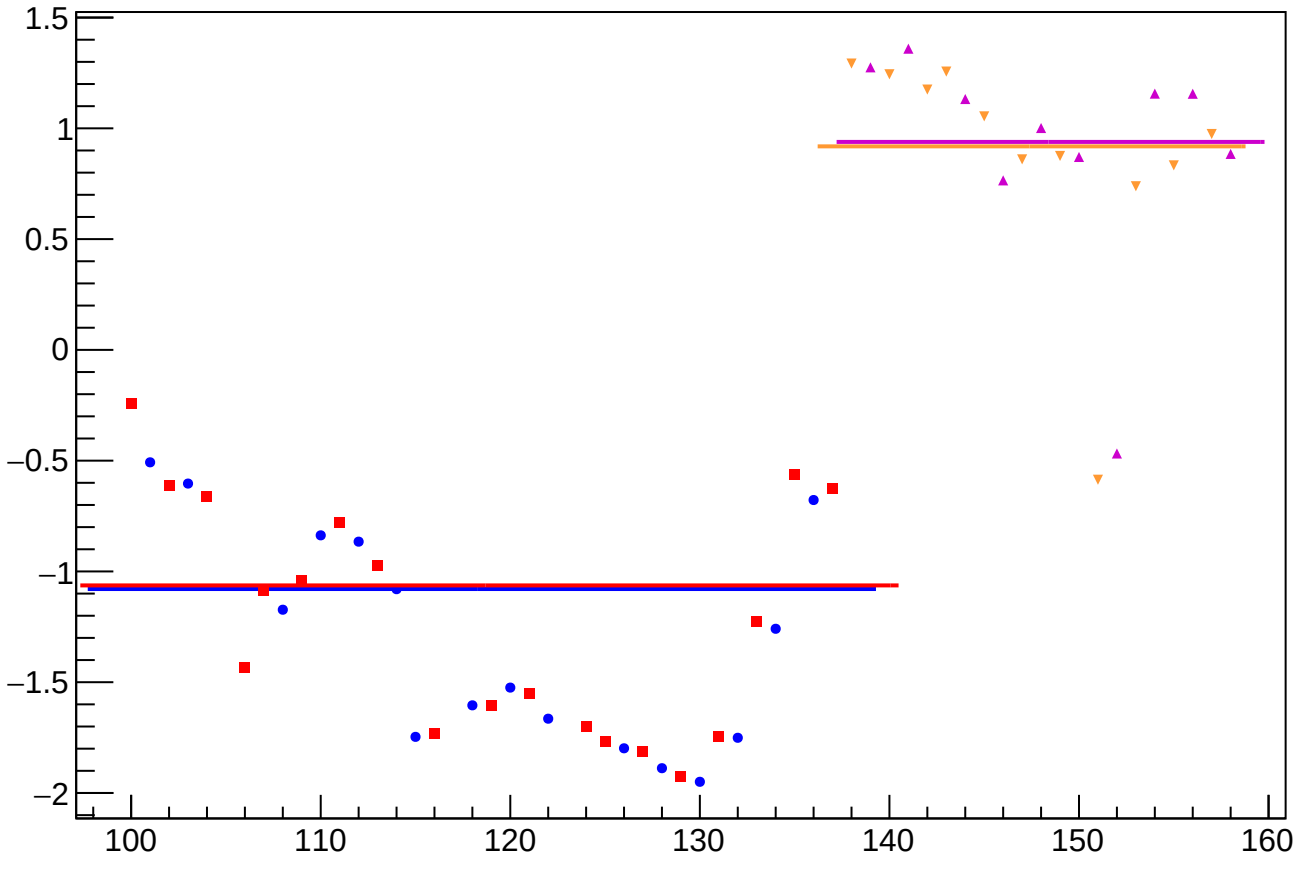
Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.012+/-0.000 χ^2/NDF:1214691.2/9

+ sign 0.013+/-0.000 χ^2/NDF: 1442456.6/26

All: 0.013+/-0.000 χ^2/NDF: 2993882.3/55

- sign 0.013+/-0.000 χ^2/NDF: 1548604.1/28



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 0.919+/-0.000 χ^2/NDF:98734920446.6/10

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

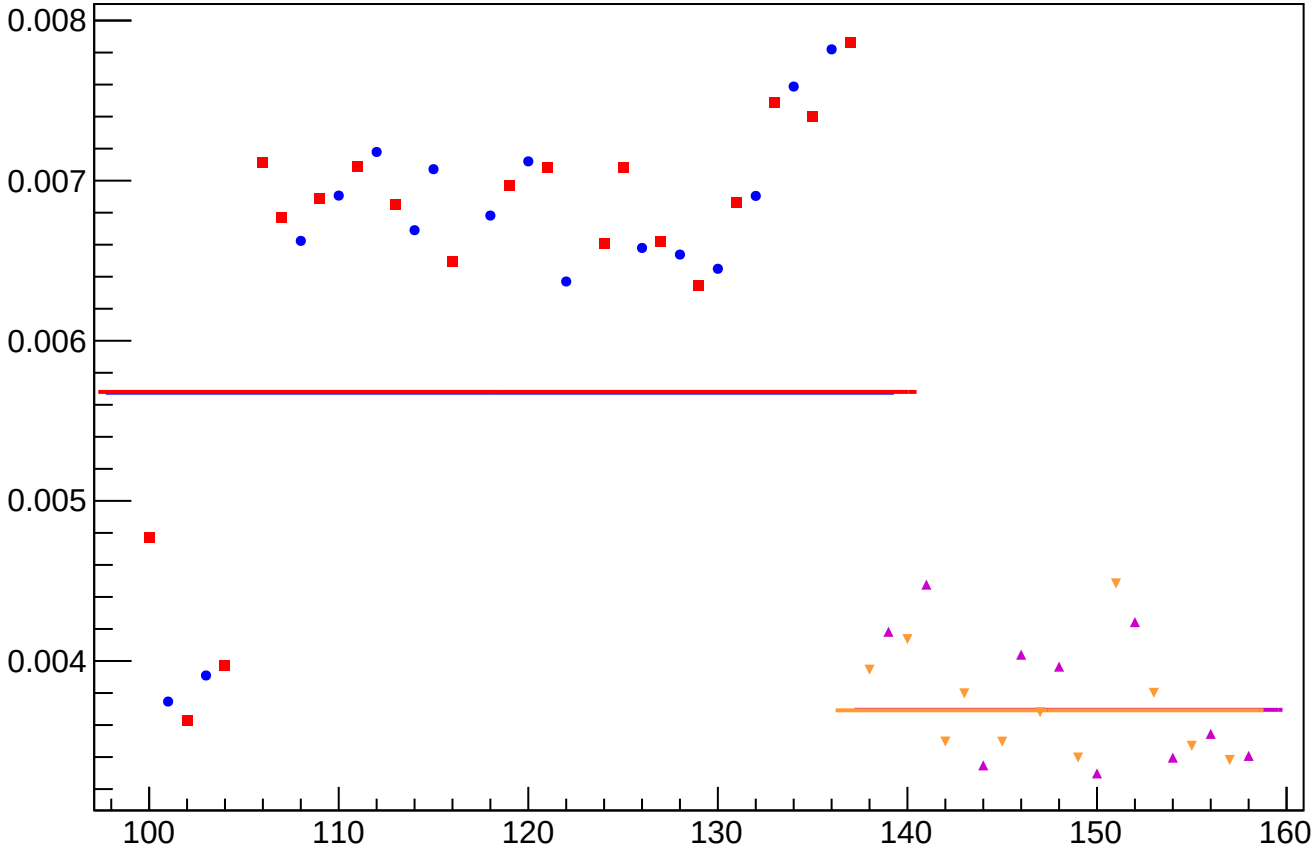
Left In: 0.939+/-0.000 χ^2/NDF:111247627870.8/9

+ sign 0.400+/-0.000 χ^2/NDF: 742545238694.4/26

All: 0.405+/-0.000 χ^2/NDF: 1493435047394.

- sign 0.411+/-0.000 χ^2/NDF: 750840860447.4/28

yield_bpm1i06Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 944822.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:105420.6/10

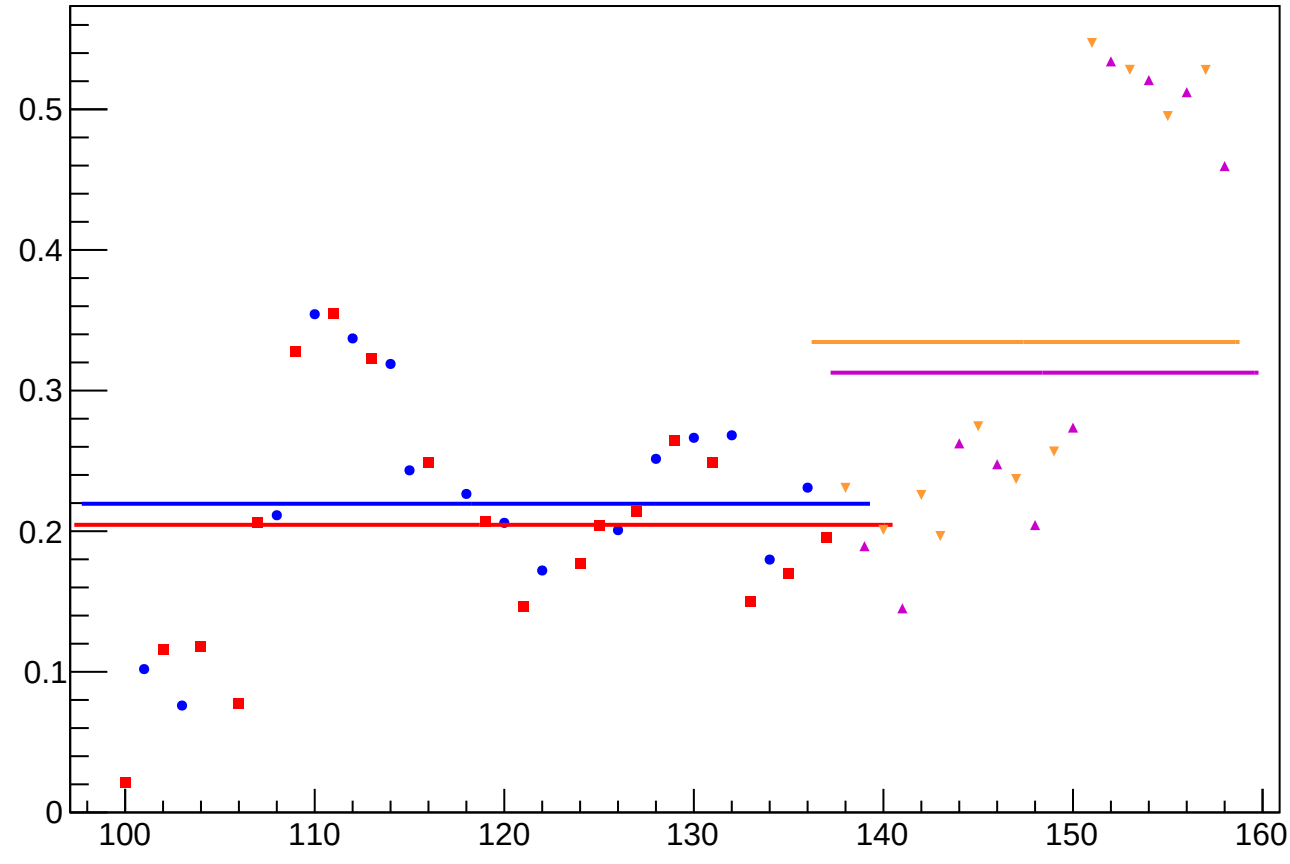
Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

Left In: 0.004+/-0.000 χ^2/NDF:182059.5/9

+ sign 0.004+/-0.000 χ^2/NDF: 2202266.8/26

All: 0.004+/-0.000 χ^2/NDF: 4525230.3/55

- sign 0.004+/-0.000 χ^2/NDF: 2322866.4/28



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.335+/-0.000 χ^2/NDF:83614898518.3/10

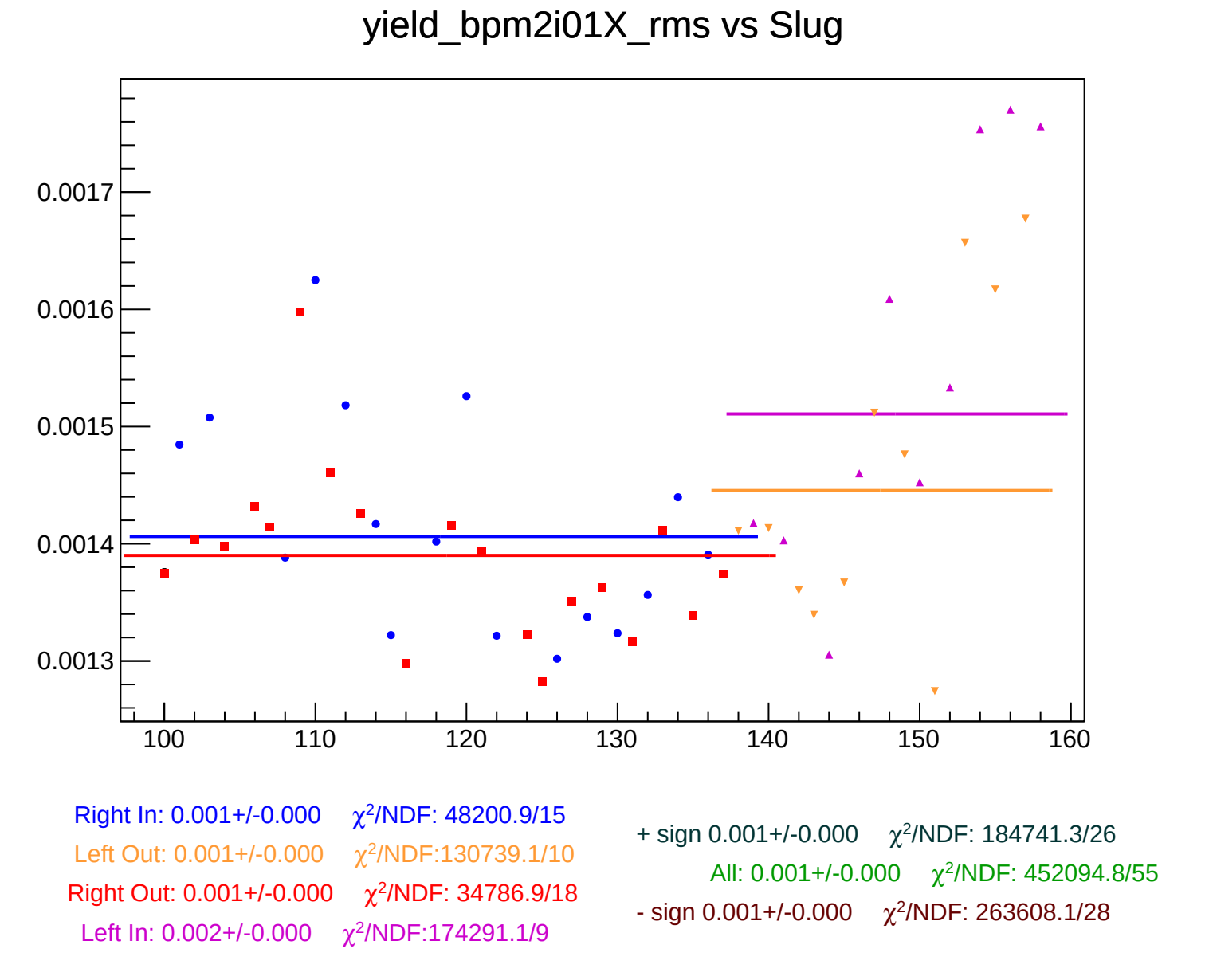
Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

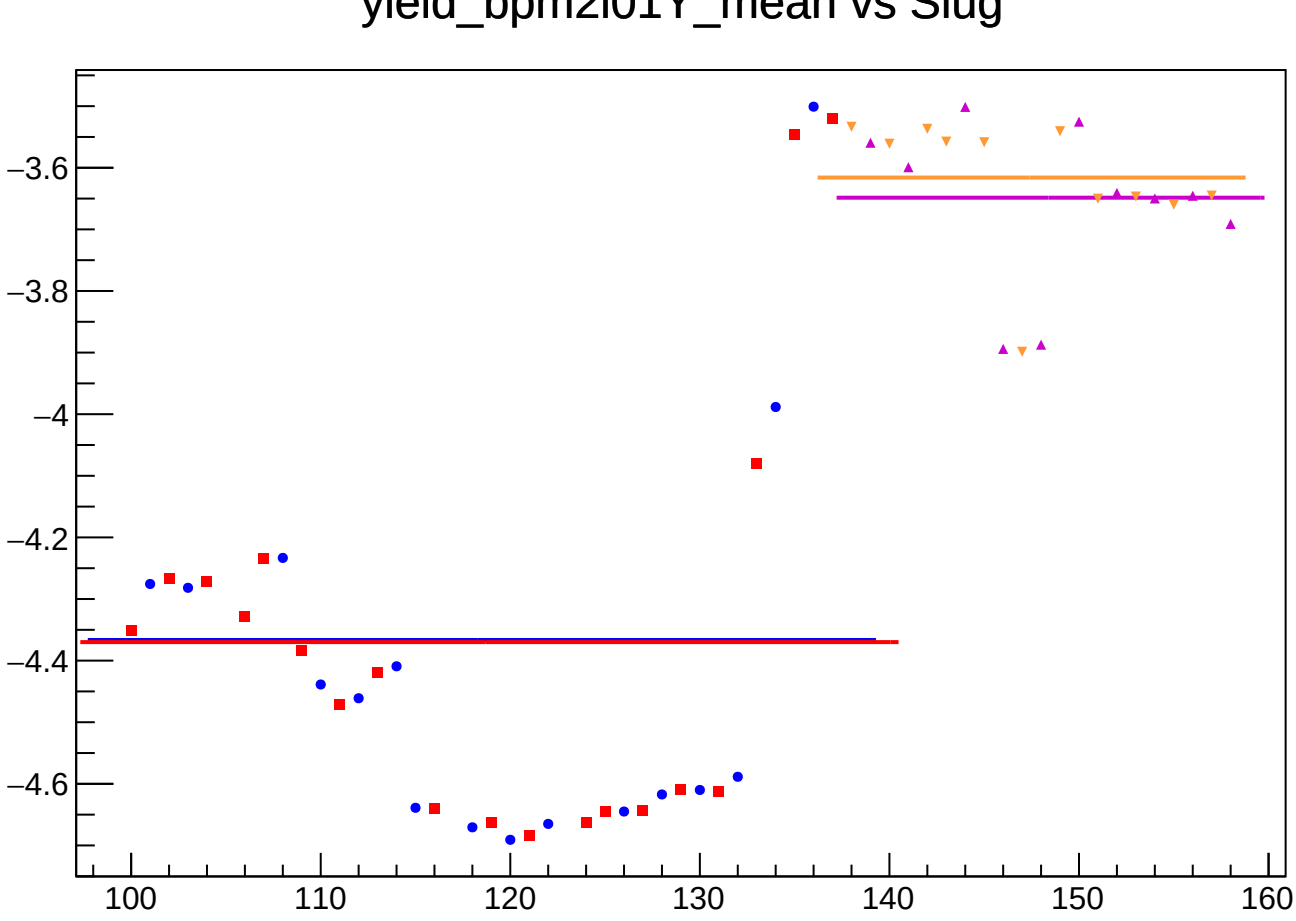
Left In: 0.313+/-0.000 χ^2/NDF:71896992045.5/9

+ sign 0.281+/-0.000 χ^2/NDF: 125272540850.0/26

All: 0.270+/-0.000 χ^2/NDF: 243440167257.6

- sign 0.258+/-0.000 χ^2/NDF: 116105972574.8/28


yield_bpm2i01X_rms vs Slug
0.0017
0.0016
0.0015
0.0014
0.0013
100
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 48200.9/15
Left Out: 0.001+/-0.000 χ²/NDF:130739.1/10
Right Out: 0.001+/-0.000 χ²/NDF: 34786.9/18
Left In: 0.002+/-0.000 χ²/NDF:174291.1/9
+ sign 0.001+/-0.000 χ²/NDF: 184741.3/26
All: 0.001+/-0.000 χ²/NDF: 452094.8/55
- sign 0.001+/-0.000 χ²/NDF: 263608.1/28



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.616+/-0.000 χ^2/NDF:20021265533.4/10

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

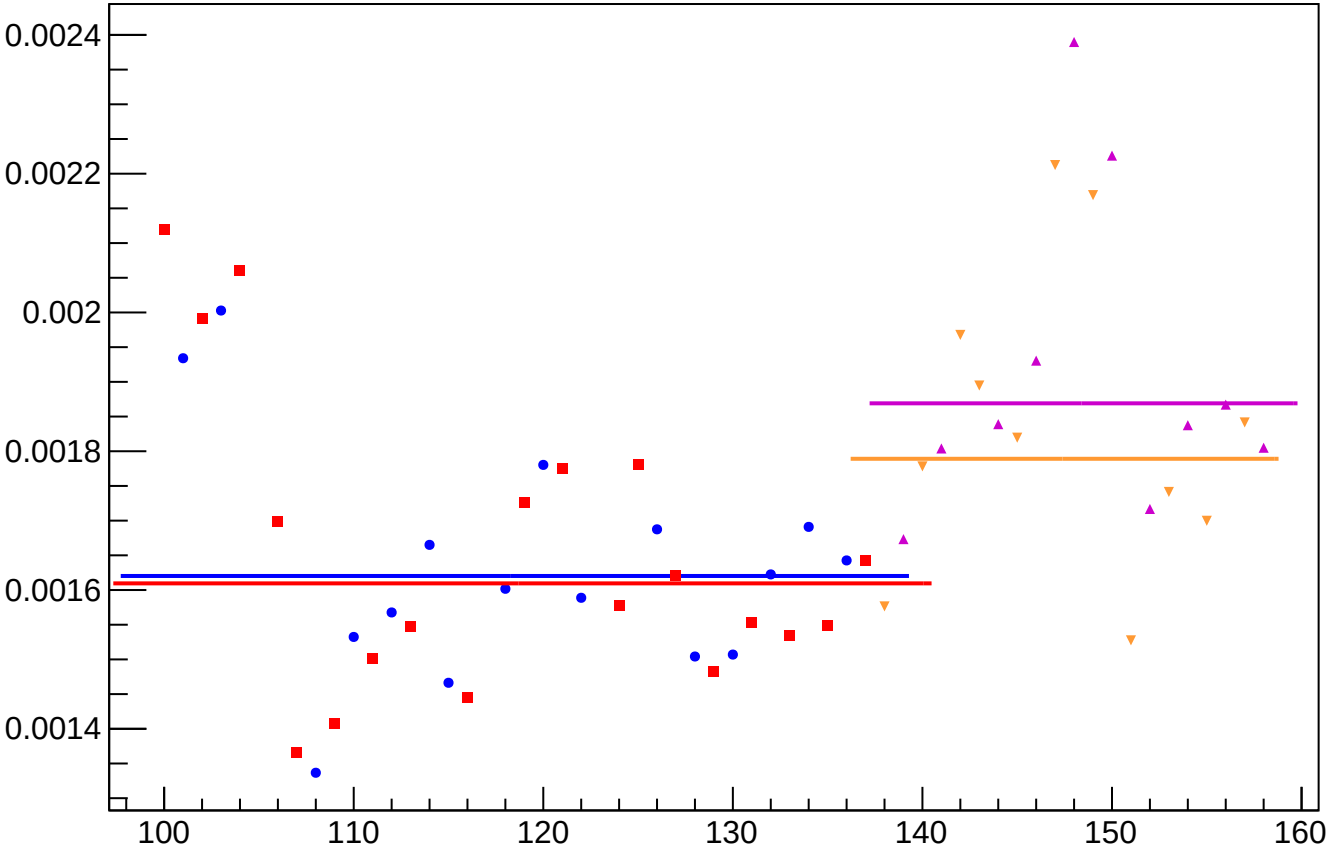
Left In: -3.649+/-0.000 χ^2/NDF:32902219724.8/9

+ sign -3.996+/-0.000 χ^2/NDF: 1101995598449.8/2

All: -4.016+/-0.000 χ^2/NDF: 209711547433

- sign -4.036+/-0.000 χ^2/NDF: 990924115484.5/28

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 140216.3/15

Left Out: 0.002+/-0.000 χ^2/NDF:200438.9/10

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

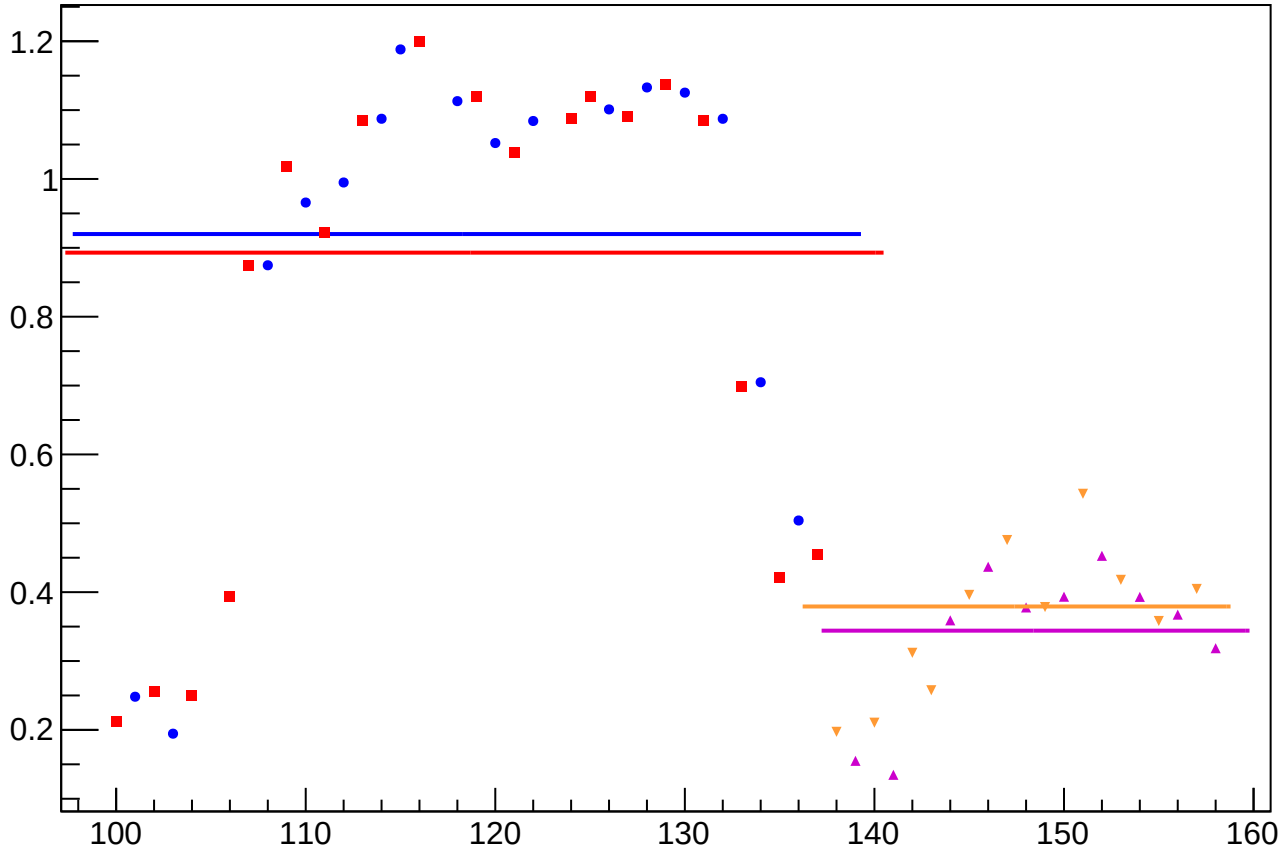
Left In: 0.002+/-0.000 χ^2/NDF:162787.1/9

+ sign 0.002+/-0.000 χ^2/NDF: 414458.7/26

All: 0.002+/-0.000 χ^2/NDF: 936963.5/55

- sign 0.002+/-0.000 χ^2/NDF: 519024.5/28

yield_bpm2i02X_mean vs Slug



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.379+/-0.000 χ^2/NDF:1635704708.8/10

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

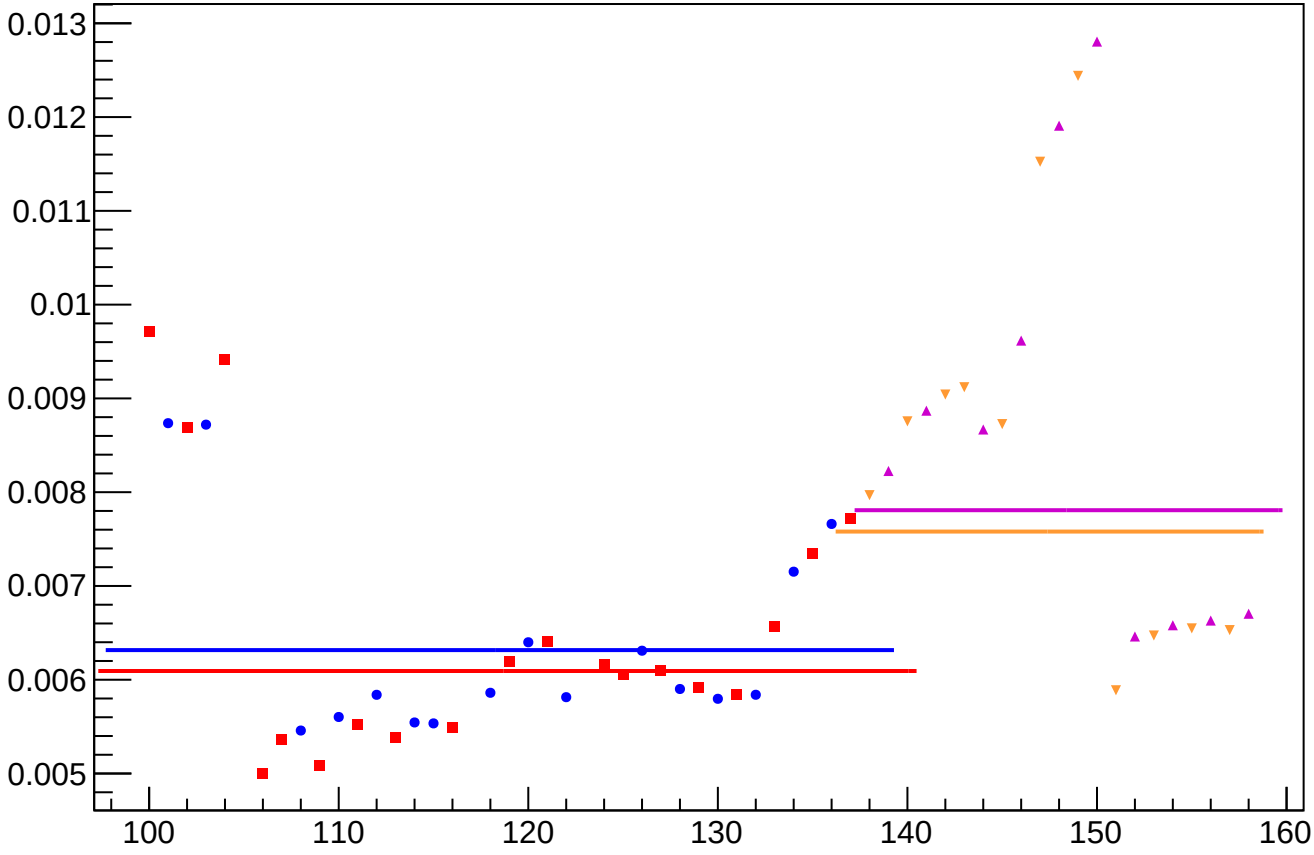
Left In: 0.344+/-0.000 χ^2/NDF:1355163885.9/9

+ sign 0.678+/-0.000 χ^2/NDF: 39217576848.8/26

All: 0.673+/-0.000 χ^2/NDF: 82319441830.4/5

- sign 0.668+/-0.000 χ^2/NDF: 43087246375.7/28

yield_bpm2i02X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 335709.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:846649.7/10

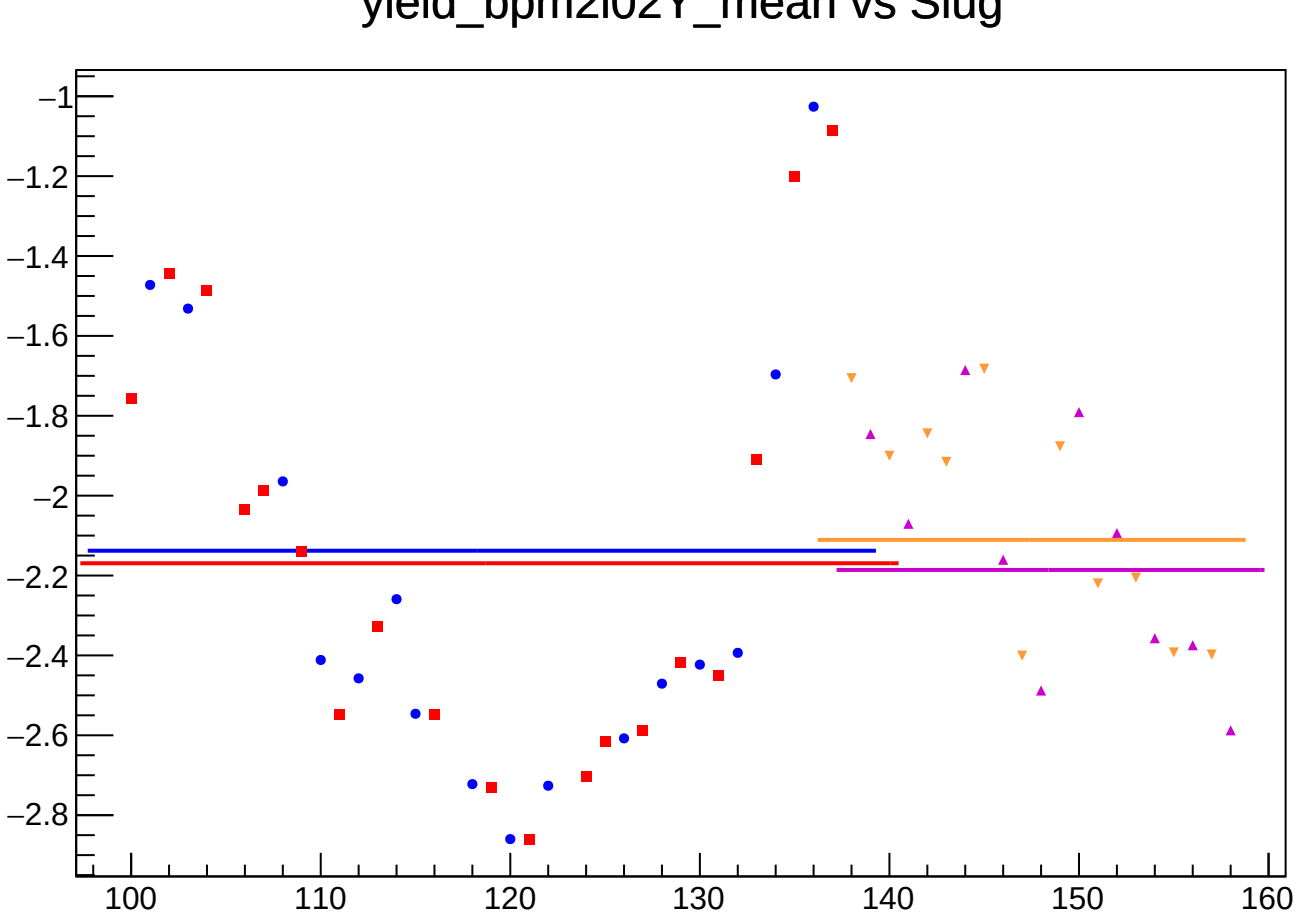
Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.008+/-0.000 χ^2/NDF:813464.9/9

\+ sign 0.007+/-0.000 χ^2/NDF: 1433805.2/26

All: 0.007+/-0.000 χ^2/NDF: 3155779.8/55

\- sign 0.007+/-0.000 χ^2/NDF: 1719511.2/28



Right In: -2.138+/-0.000 χ^2/NDF: 65666622158.4/15

Left Out: -2.111+/-0.000 χ^2/NDF:12695154615.0/10

Right Out: -2.169+/-0.000 χ^2/NDF: 57409196879.6/18

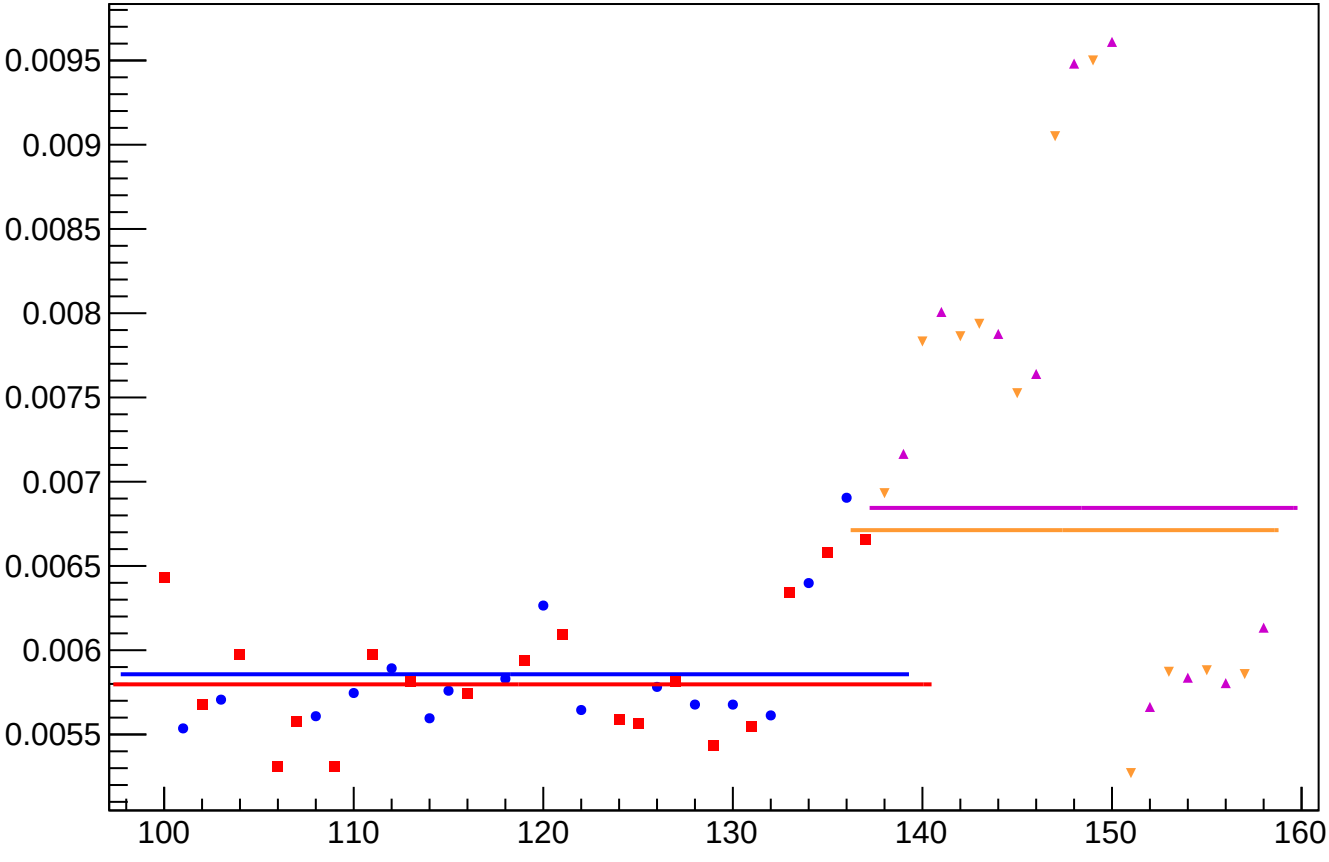
Left In: -2.186+/-0.000 χ^2/NDF:13700414153.3/9

+ sign -2.125+/-0.000 χ^2/NDF: 78434540794.4/26

All: -2.151+/-0.000 χ^2/NDF: 150102757046.9

- sign -2.177+/-0.000 χ^2/NDF: 71137466763.3/28

yield_bpm2i02Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 61946.9/15

Left Out: 0.007+/-0.000 χ^2/NDF:592765.5/10

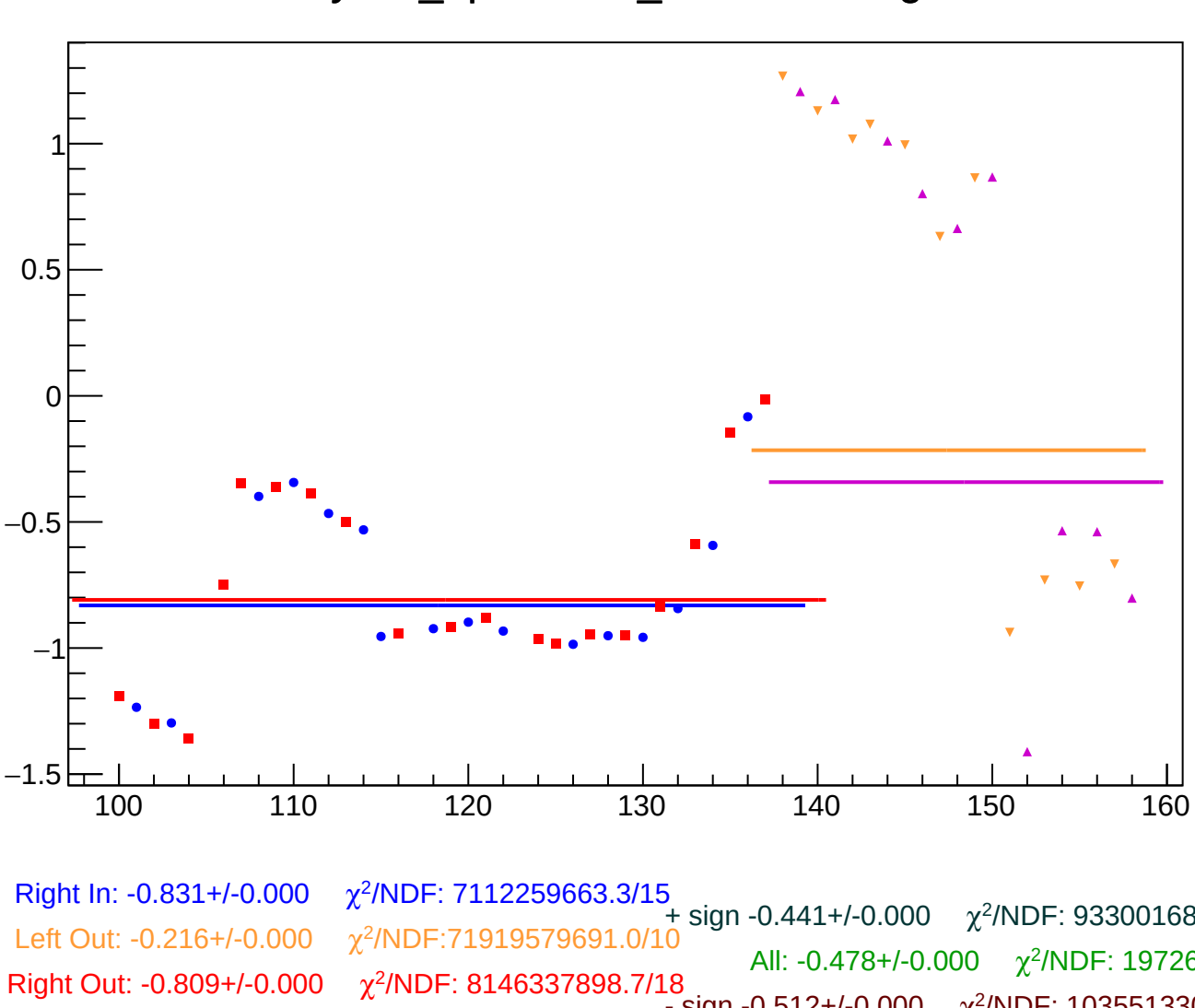
Right Out: 0.006+/-0.000 χ^2/NDF: 56374.2/18

Left In: 0.007+/-0.000 χ^2/NDF:571329.7/9

+ sign 0.006+/-0.000 χ^2/NDF: 798647.2/26

All: 0.006+/-0.000 χ^2/NDF: 1643812.9/55

- sign 0.006+/-0.000 χ^2/NDF: 845147.5/28



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: -0.216+/-0.000 χ^2/NDF:71919579691.0/10

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

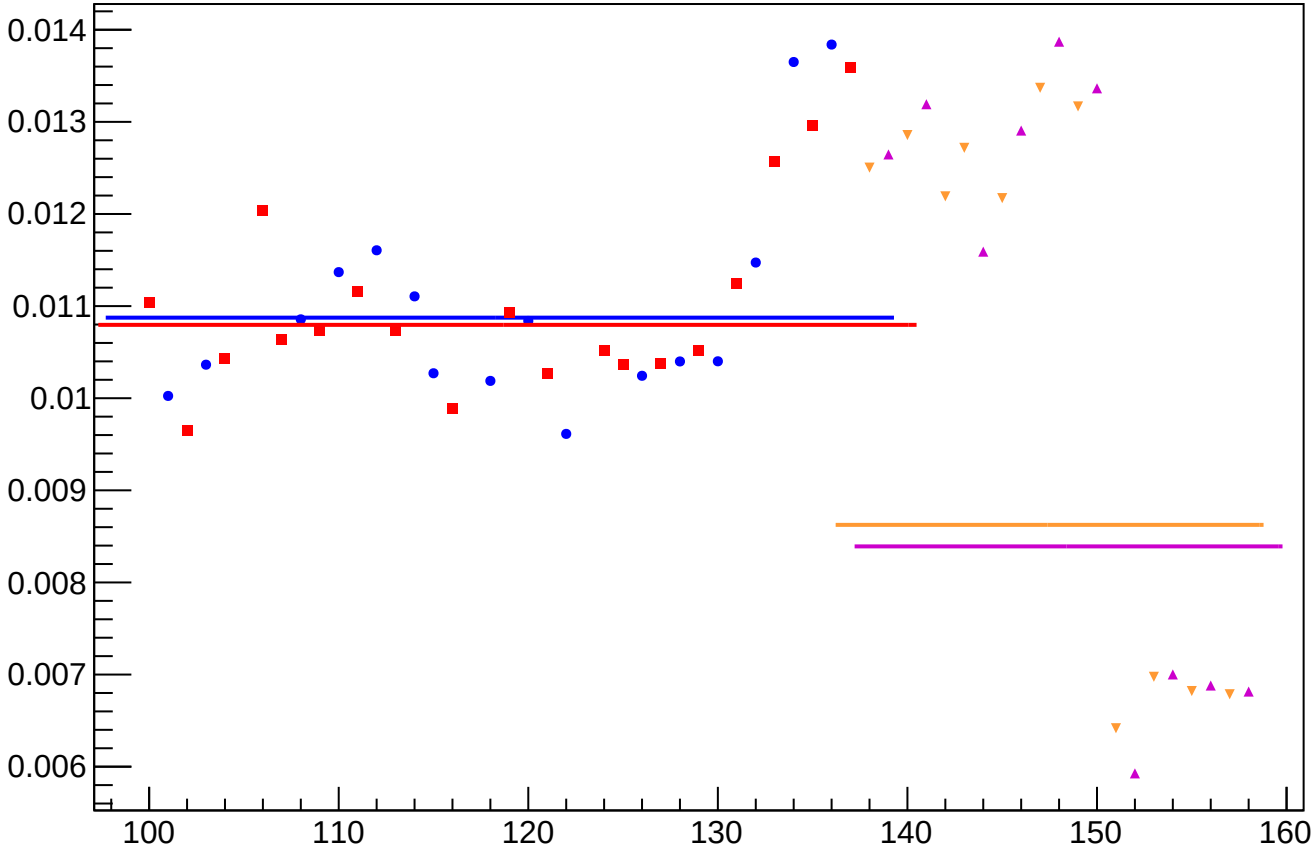
Left In: -0.342+/-0.000 χ^2/NDF:86806991375.4/9

+ sign -0.441+/-0.000 χ^2/NDF: 93300168399.4/26

All: -0.478+/-0.000 χ^2/NDF: 197267028820.5

- sign -0.512+/-0.000 χ^2/NDF: 103551330295.0/28

yield_bpm0i01X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 157612.7/15

Left Out: 0.009+/-0.000 χ^2/NDF:1602153.6/10

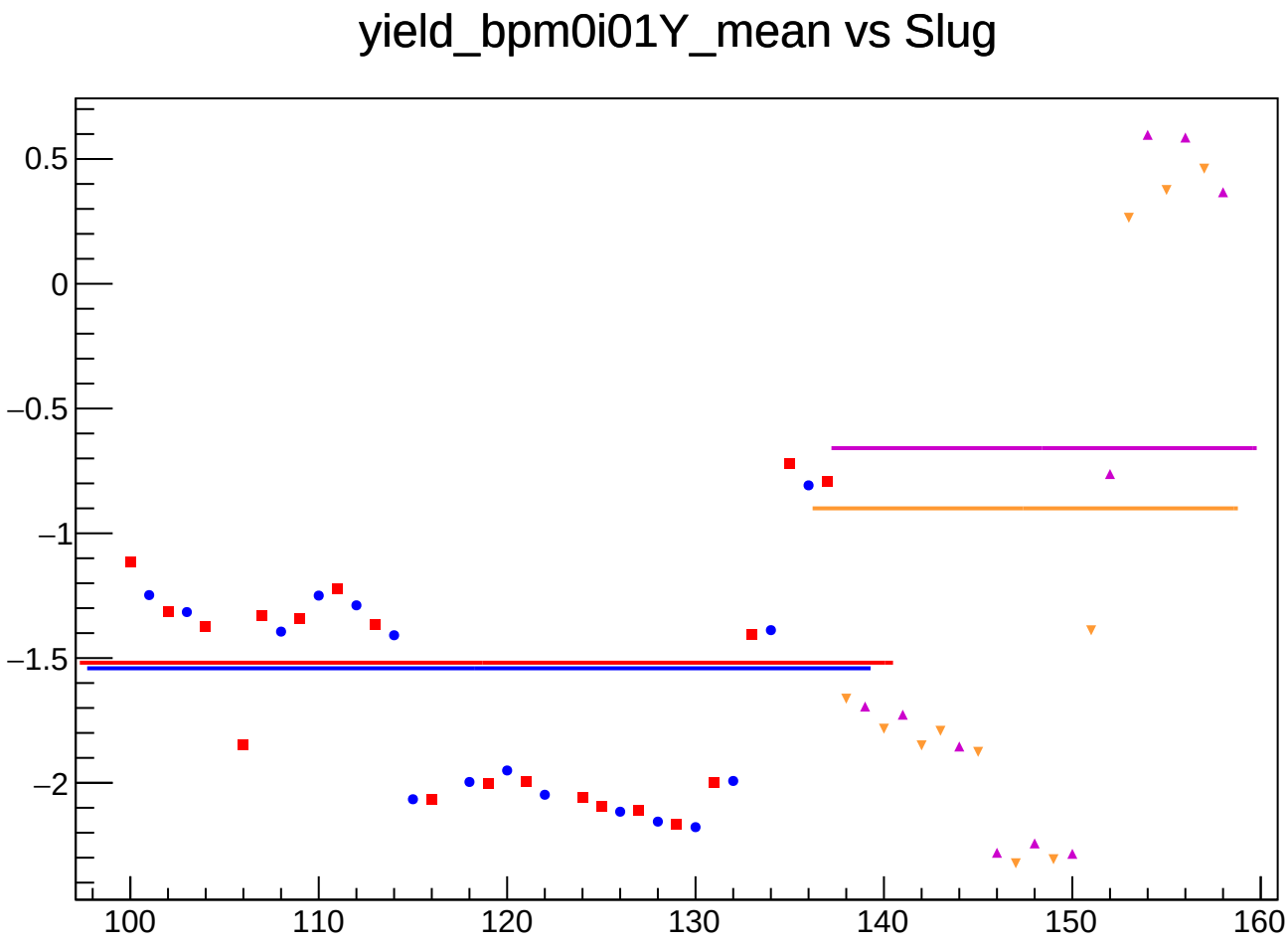
Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.008+/-0.000 χ^2/NDF:1789011.7/9

+ sign 0.009+/-0.000 χ^2/NDF: 2141017.1/26

All: 0.009+/-0.000 χ^2/NDF: 4490790.3/55

- sign 0.009+/-0.000 χ^2/NDF: 2344198.7/28



Right In: -1.541+/-0.000 χ^2/NDF: 162409397922.2/15

Left Out: -0.900+/-0.000 χ^2/NDF:1041002640521.7/10

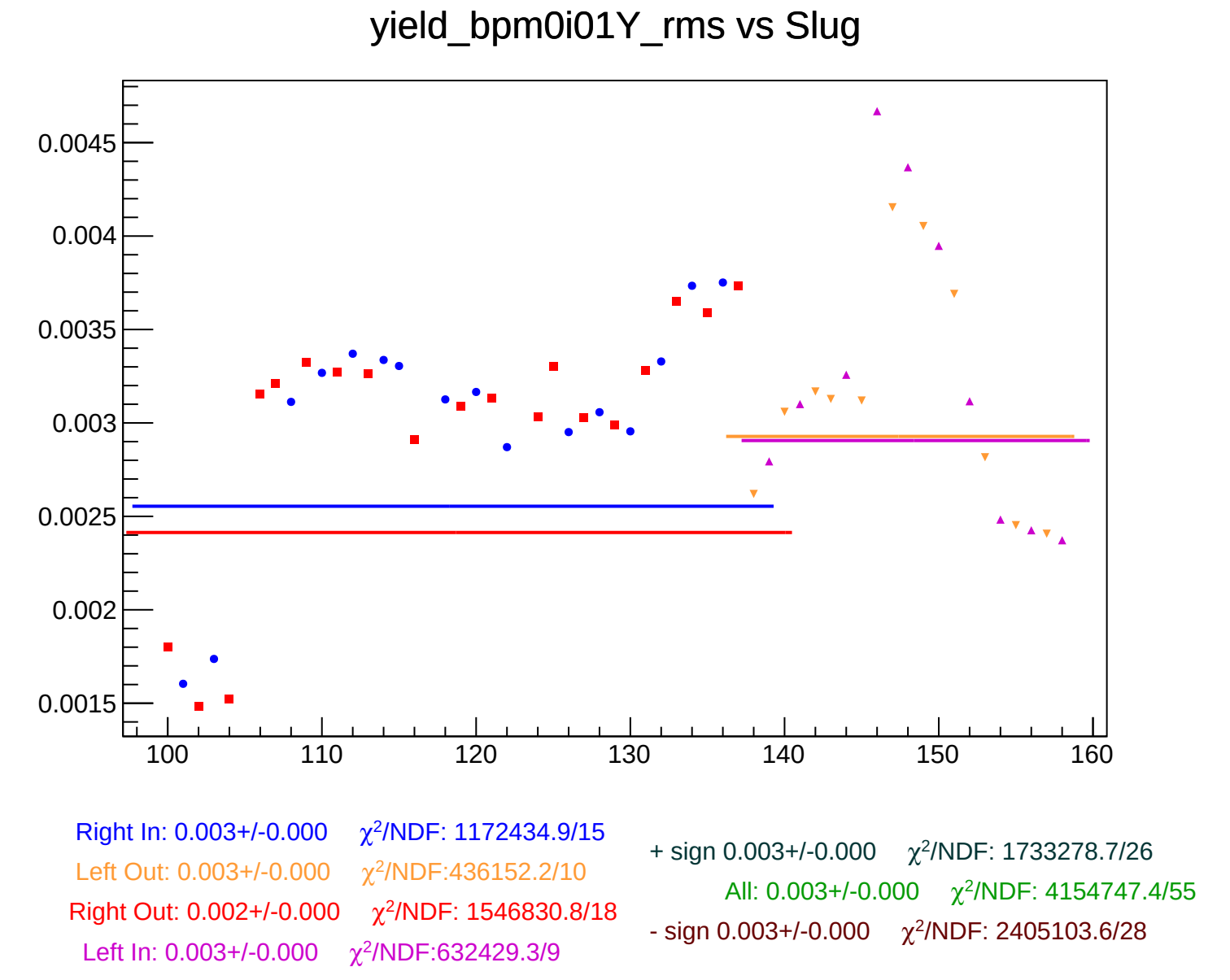
Right Out: -1.519+/-0.000 χ^2/NDF: 145077318641.2/18

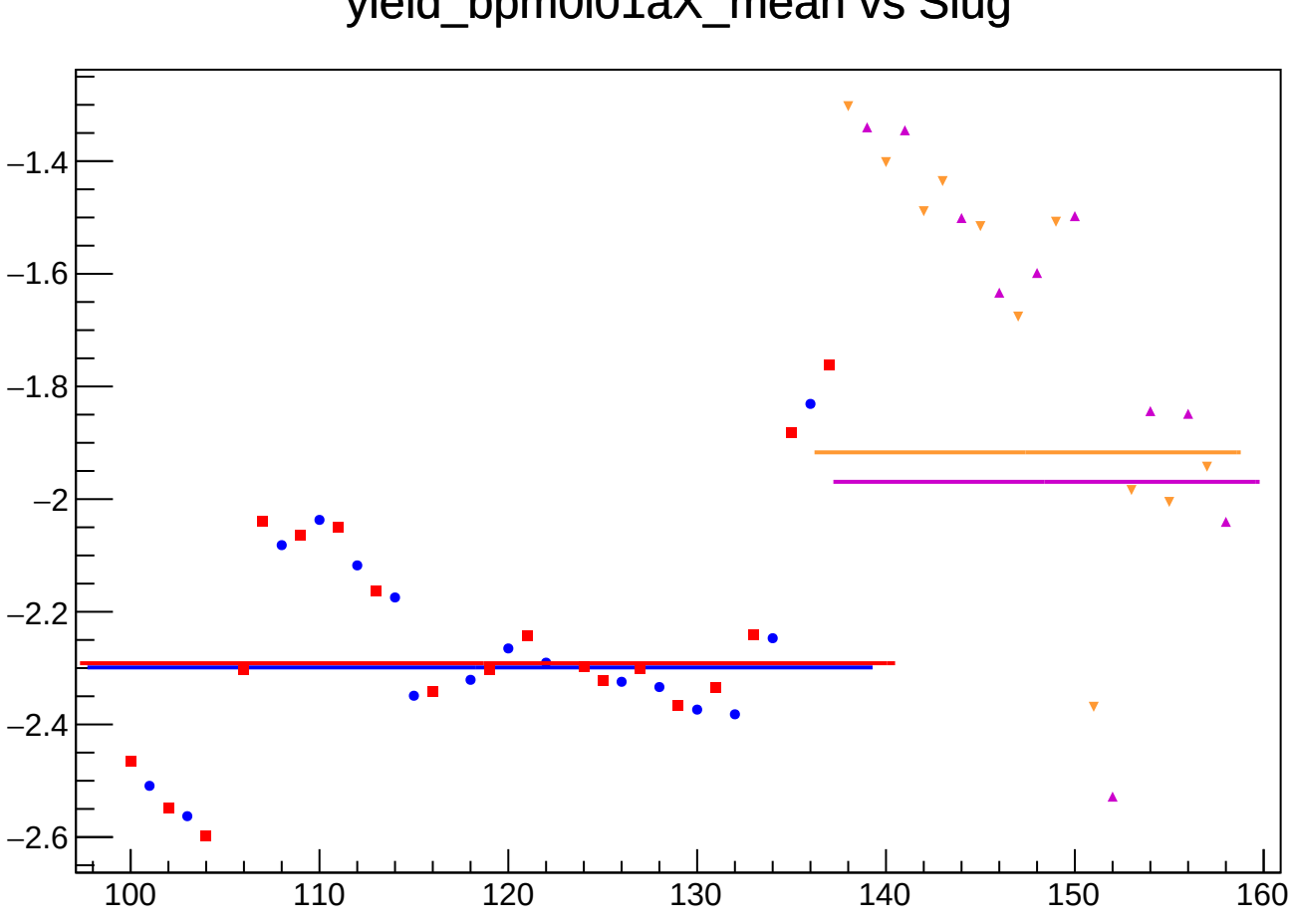
Left In: -0.659+/-0.000 χ^2/NDF:1154374031813.5/9

+ sign -1.233+/-0.000 χ^2/NDF: 1386870691574.9/2

All: -1.177+/-0.000 χ^2/NDF: 3041988875774

- sign -1.124+/-0.000 χ^2/NDF: 1644311023397.3/28


yield_bpm0i01Y_rms vs Slug
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
100
110
120
130
140
150
160
Right In: 0.003+/-0.000 χ²/NDF: 1172434.9/15
Left Out: 0.003+/-0.000 χ²/NDF:436152.2/10
Right Out: 0.002+/-0.000 χ²/NDF: 1546830.8/18
Left In: 0.003+/-0.000 χ²/NDF:632429.3/9
+ sign 0.003+/-0.000 χ²/NDF: 1733278.7/26
All: 0.003+/-0.000 χ²/NDF: 4154747.4/55
- sign 0.003+/-0.000 χ²/NDF: 2405103.6/28



Right In: -2.299+/-0.000 χ^2/NDF: 6129071089.8/15

Left Out: -1.917+/-0.000 χ^2/NDF:24461673779.9/10

Right Out: -2.291+/-0.000 χ^2/NDF: 6831007568.9/18

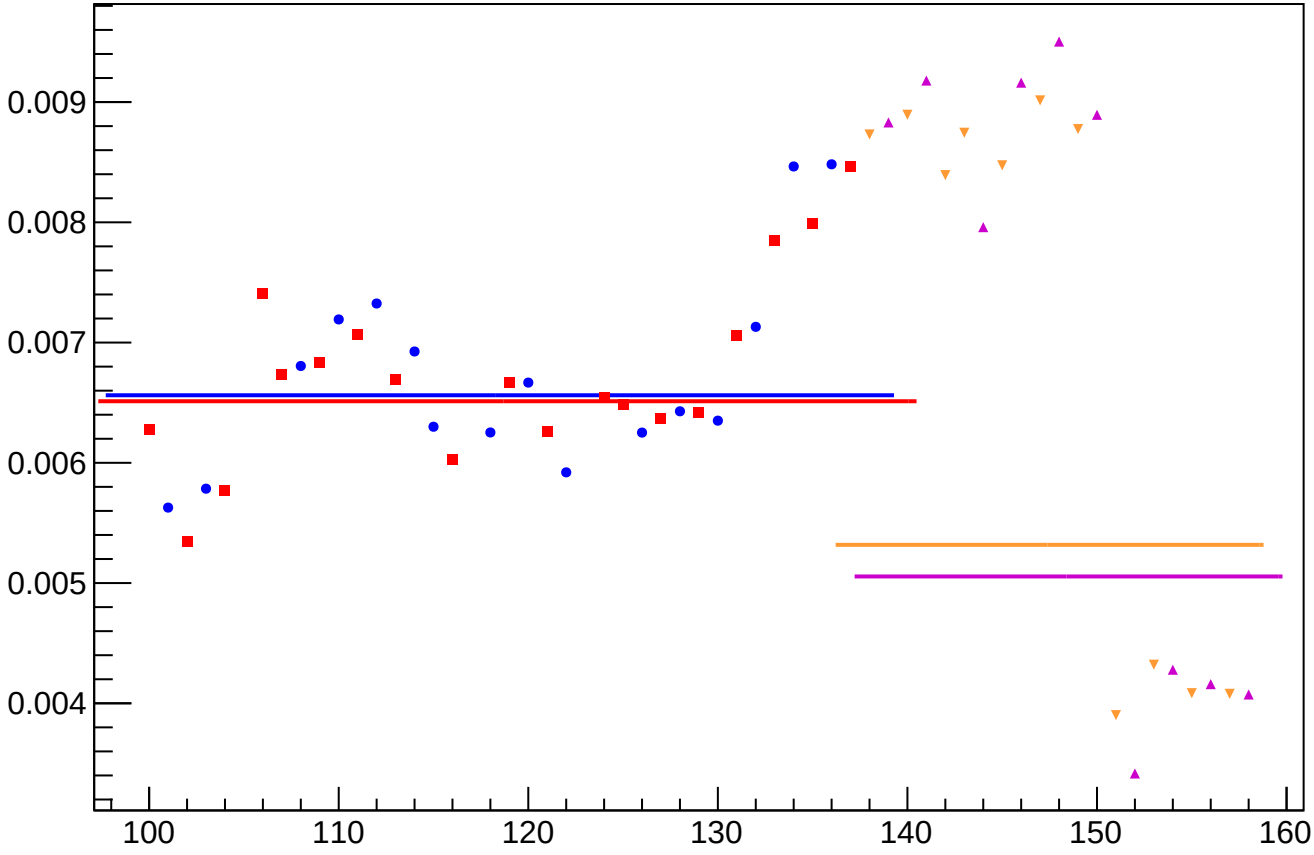
Left In: -1.969+/-0.000 χ^2/NDF:39404741038.5/9

+ sign -2.065+/-0.000 χ^2/NDF: 44962108788.8/26

All: -2.078+/-0.000 χ^2/NDF: 102178588947.2

- sign -2.090+/-0.000 χ^2/NDF: 57074690820.9/28

yield_bpm0i01aX_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 221890.3/15

Left Out: 0.005+/-0.000 χ^2/NDF:2149008.9/10

Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

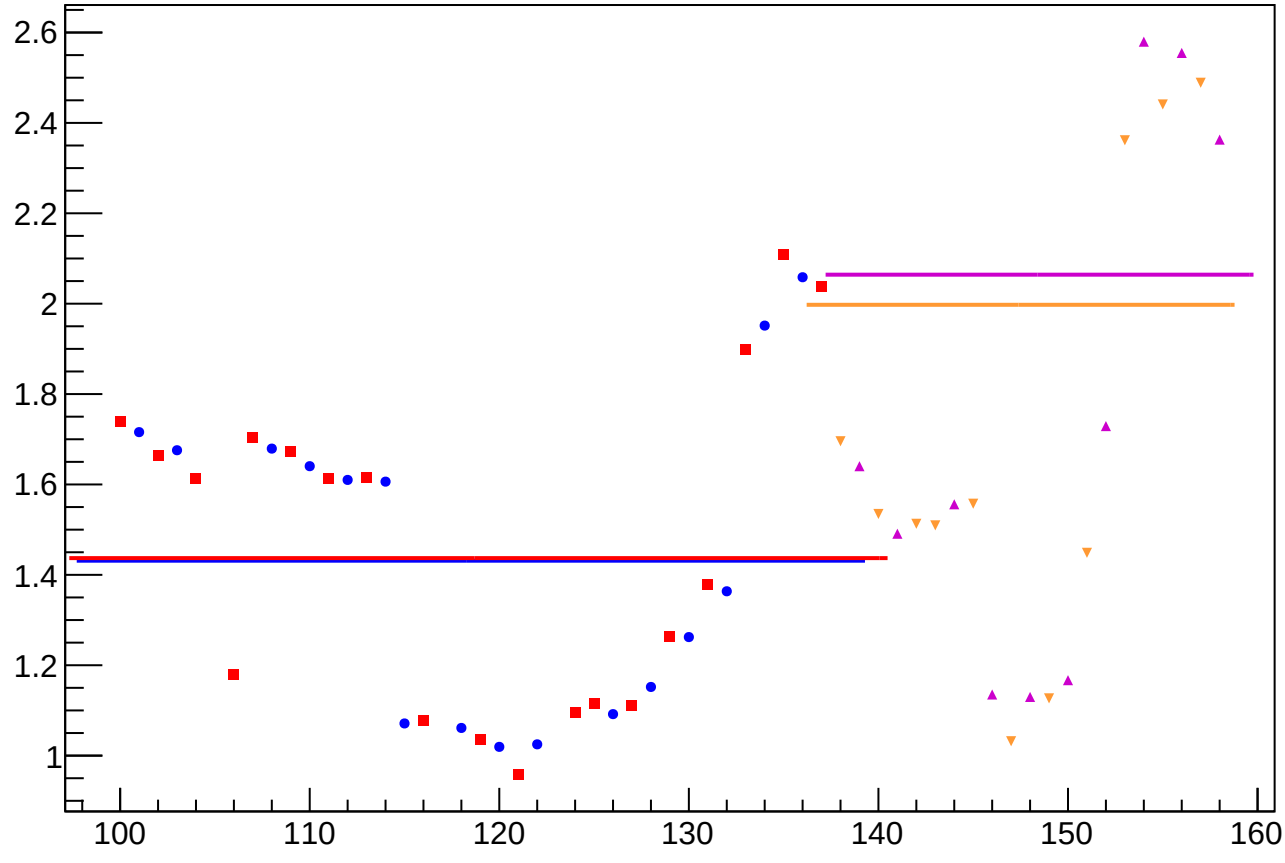
Left In: 0.005+/-0.000 χ^2/NDF:2475481.6/9

+ sign 0.006+/-0.000 χ^2/NDF: 2675961.9/26

All: 0.006+/-0.000 χ^2/NDF: 5796828.0/55

- sign 0.006+/-0.000 χ^2/NDF: 3104268.7/28

yield_bpm0i01aY_mean vs Slug



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 1.998+/-0.000 χ^2/NDF:115159842926.0/10

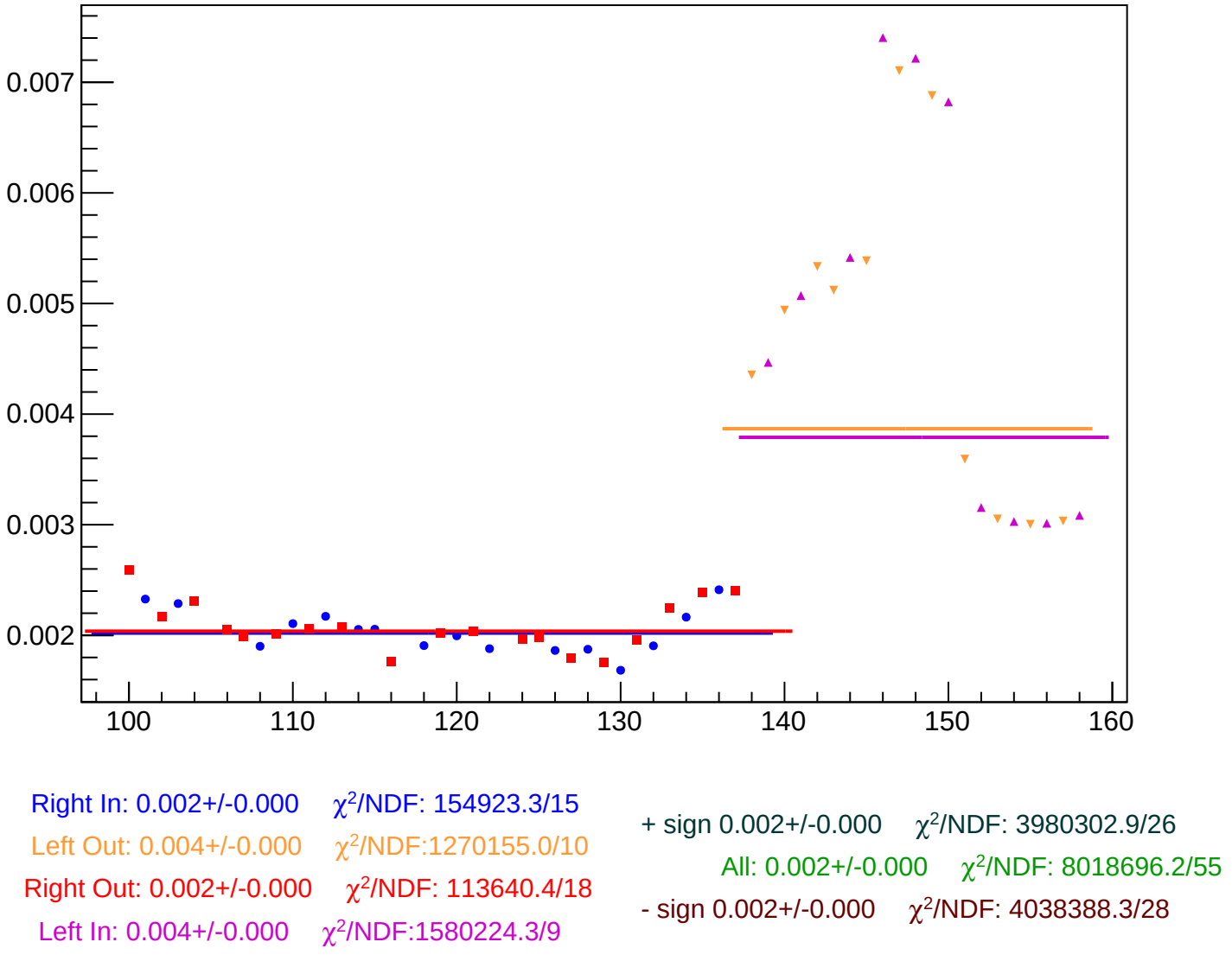
Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

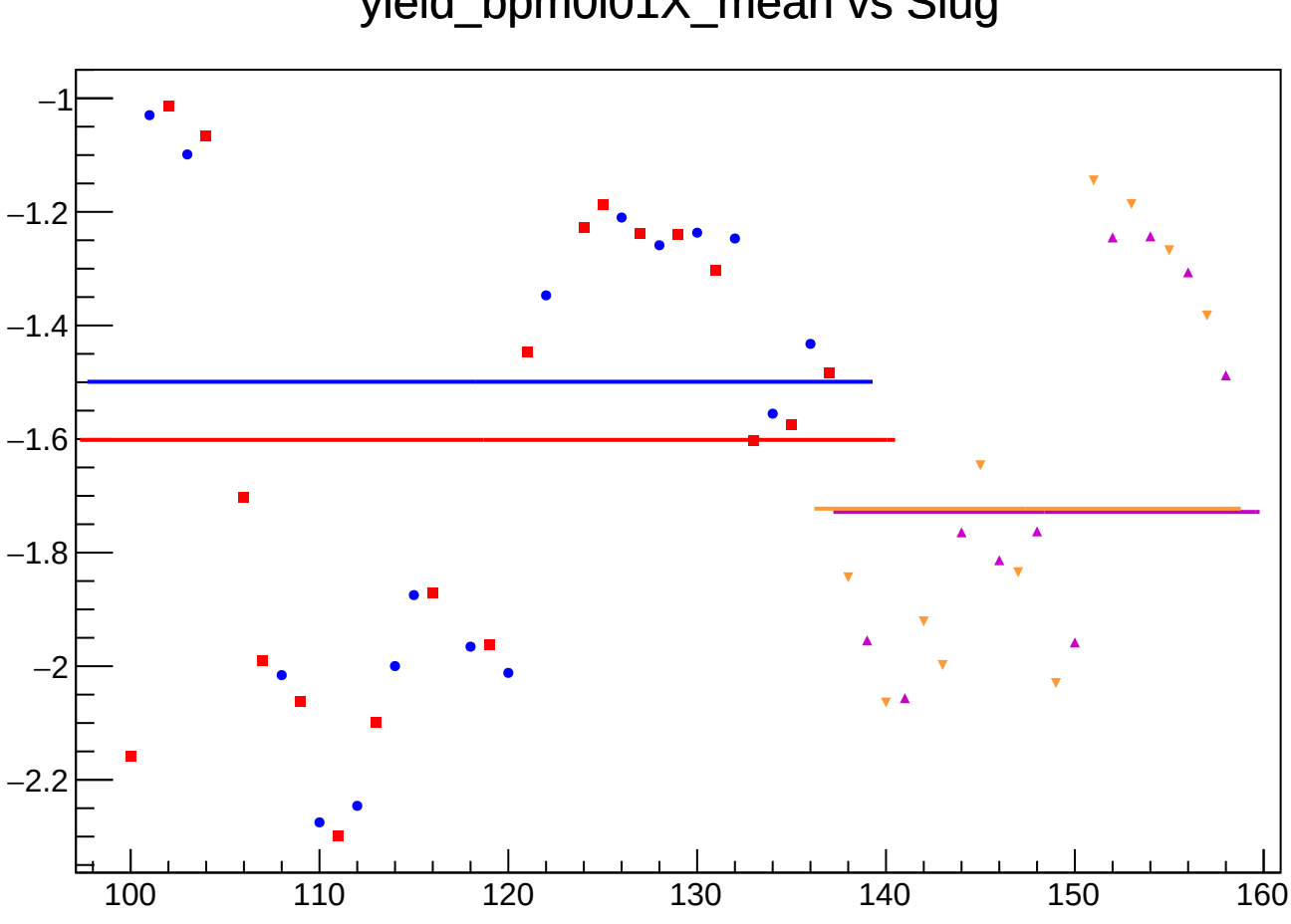
Left In: 2.064+/-0.000 χ^2/NDF:123484636167.7/9

+ sign 1.562+/-0.000 χ^2/NDF: 424342364936.7/26

All: 1.573+/-0.000 χ^2/NDF: 880492327231.2

- sign 1.584+/-0.000 χ^2/NDF: 455634517320.3/28


yield_bpm0i01aY_rms vs Slug
0.007
0.006
0.005
0.004
0.003
0.002
100
110
120
130
140
150
160
Right In: 0.002+/-0.000 χ²/NDF: 154923.3/15
Left Out: 0.004+/-0.000 χ²/NDF:1270155.0/10
Right Out: 0.002+/-0.000 χ²/NDF: 113640.4/18
Left In: 0.004+/-0.000 χ²/NDF:1580224.3/9
+ sign 0.002+/-0.000 χ²/NDF: 3980302.9/26
All: 0.002+/-0.000 χ²/NDF: 8018696.2/55
- sign 0.002+/-0.000 χ²/NDF: 4038388.3/28



Right In: -1.499+/-0.000 χ^2/NDF: 22930357522.2/15

Left Out: -1.723+/-0.000 χ^2/NDF:22116150644.8/10

Right Out: -1.601+/-0.000 χ^2/NDF: 28324914147.6/18

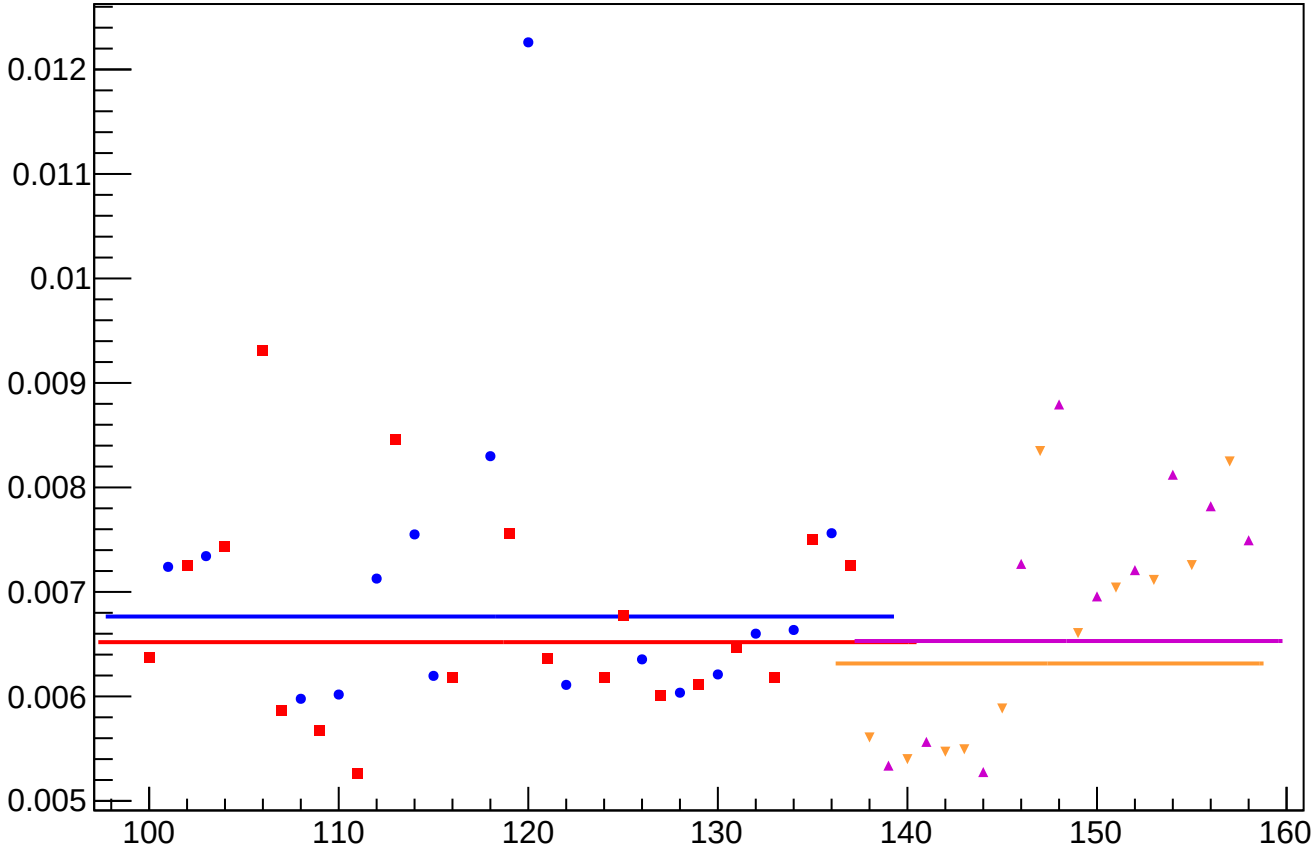
Left In: -1.728+/-0.000 χ^2/NDF:15129783490.2/9

+ sign -1.630+/-0.000 χ^2/NDF: 49185076363.0/26

All: -1.650+/-0.000 χ^2/NDF: 94290624660.6/

- sign -1.669+/-0.000 χ^2/NDF: 44843203422.5/28

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 238566.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:370950.3/10

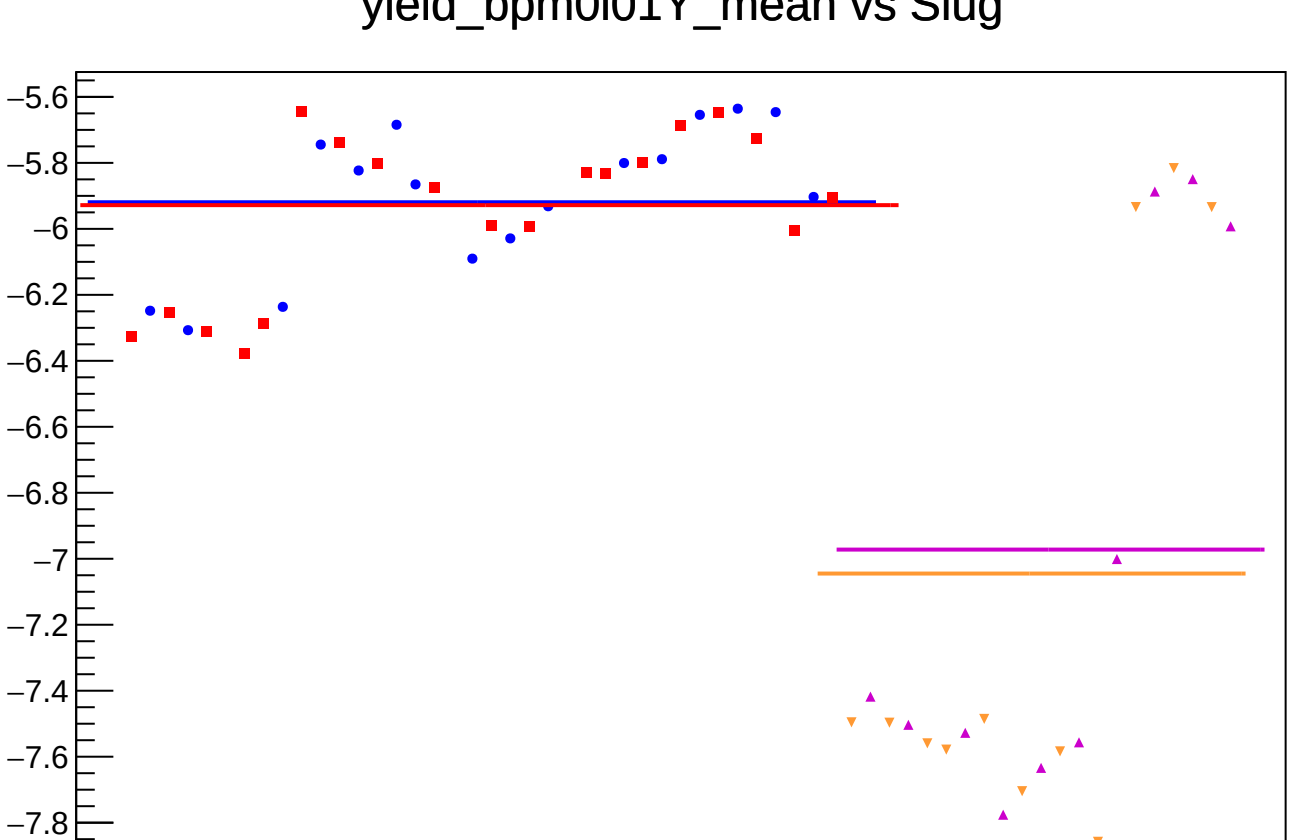
Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.007+/-0.000 χ^2/NDF:497846.5/9

+ sign 0.007+/-0.000 χ^2/NDF: 643017.4/26

All: 0.007+/-0.000 χ^2/NDF: 1386502.1/55

- sign 0.007+/-0.000 χ^2/NDF: 743294.9/28



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -7.045+/-0.000 χ^2/NDF:47929206682.2/10

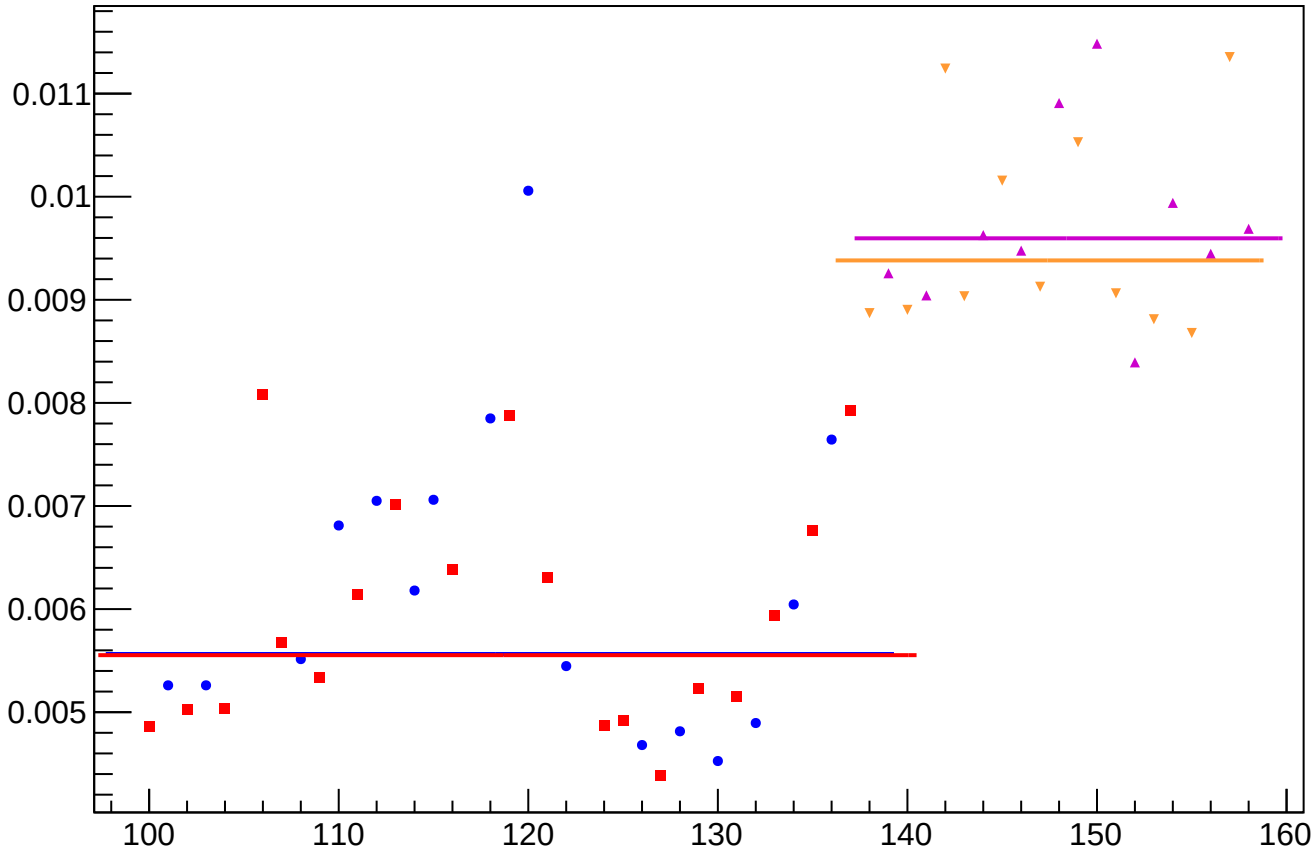
Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

Left In: -6.972+/-0.000 χ^2/NDF:39419316443.4/9

+ sign -6.221+/-0.000 χ^2/NDF: 126839064630.4/26

All: -6.205+/-0.000 χ^2/NDF: 236821365832.8

- sign -6.191+/-0.000 χ^2/NDF: 109860738126.9/28



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:103995.2/10

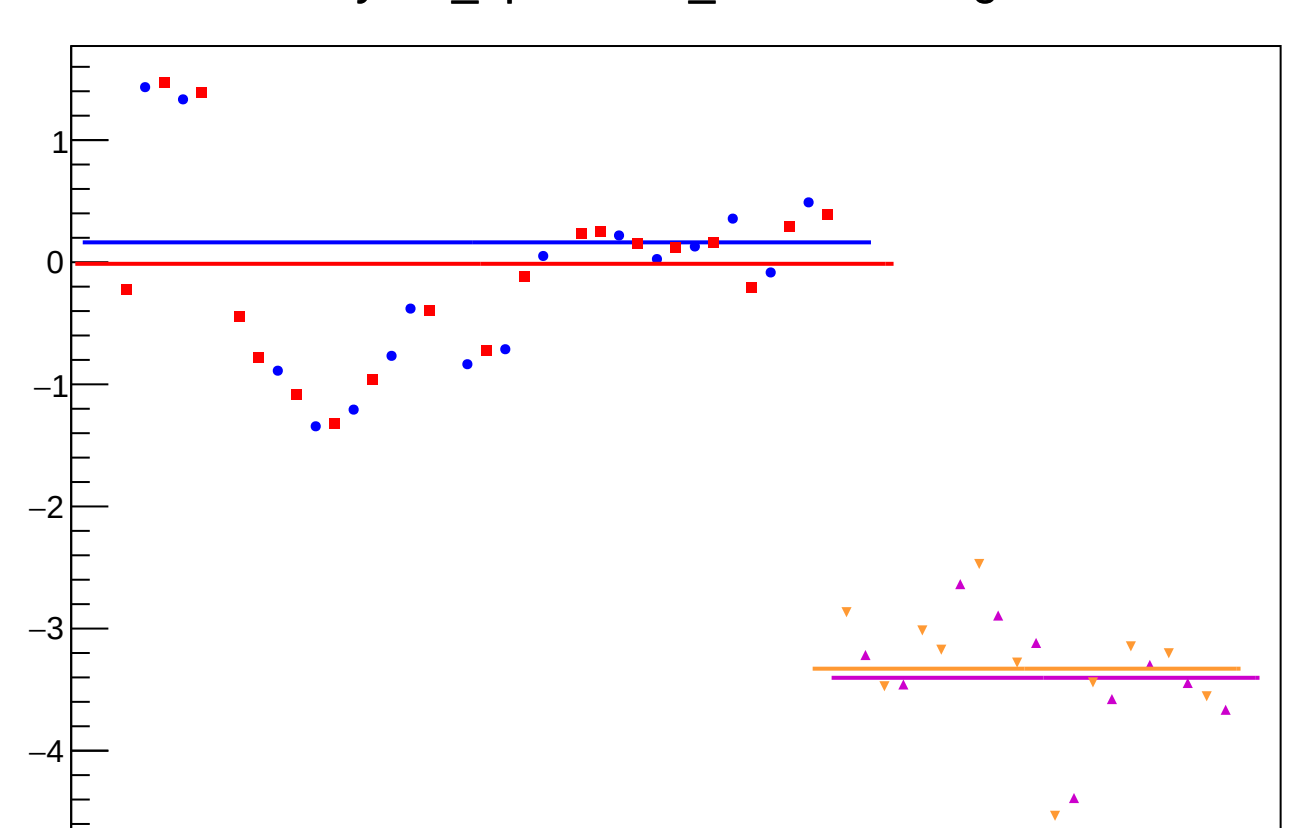
Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.010+/-0.000 χ^2/NDF:91882.2/9

+ sign 0.007+/-0.000 χ^2/NDF: 2145338.1/26

All: 0.007+/-0.000 χ^2/NDF: 4335355.7/55

- sign 0.007+/-0.000 χ^2/NDF: 2189953.9/28



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.328+/-0.000 χ^2/NDF:6486681298.7/10

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

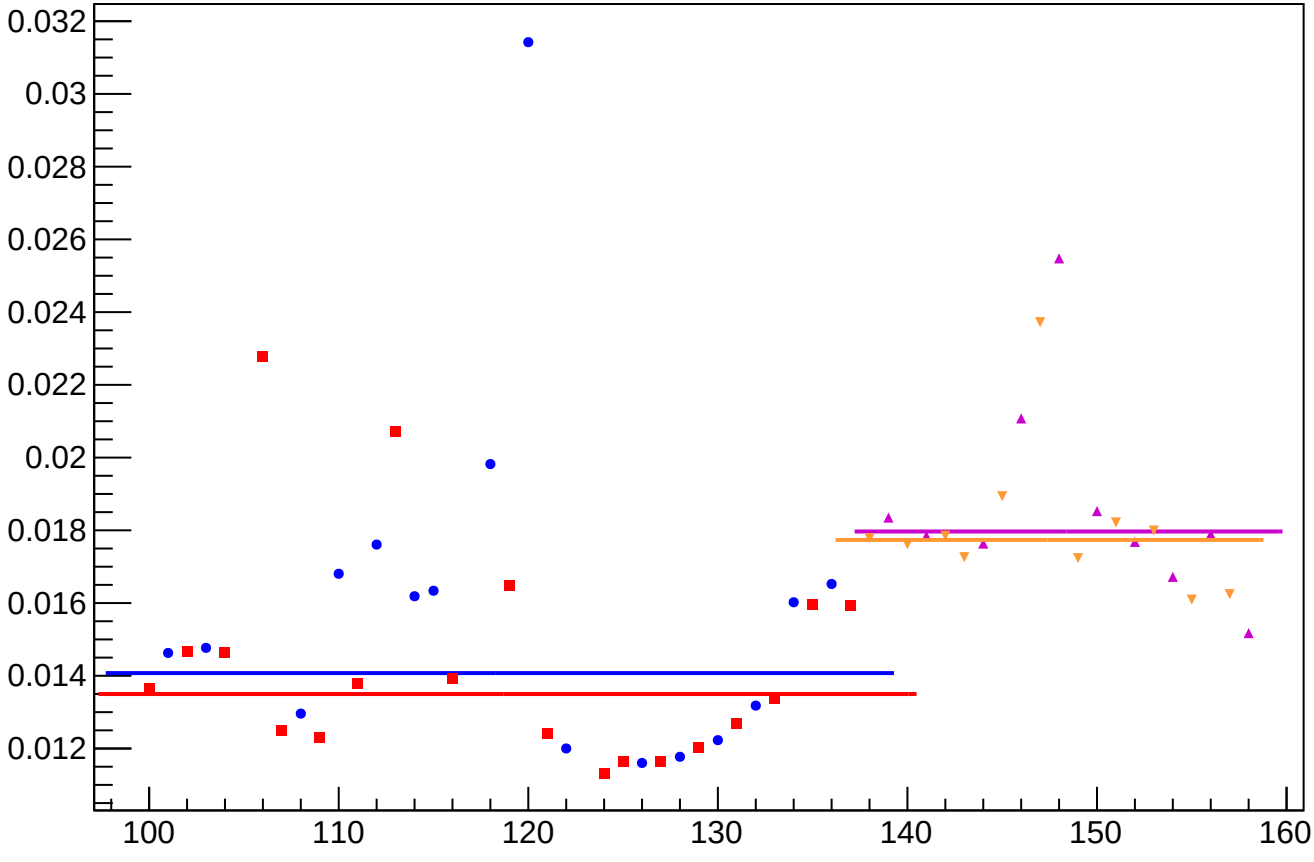
Left In: -3.403+/-0.000 χ^2/NDF:5005821992.3/9

+ sign -1.401+/-0.000 χ^2/NDF: 198175400090.6/26

All: -1.389+/-0.000 χ^2/NDF: 397868275992.1

- sign -1.379+/-0.000 χ^2/NDF: 199678846503.5/28

yield_bpm0l02X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 465421.6/15

Left Out: 0.018+/-0.000 χ^2/NDF:135819.8/10

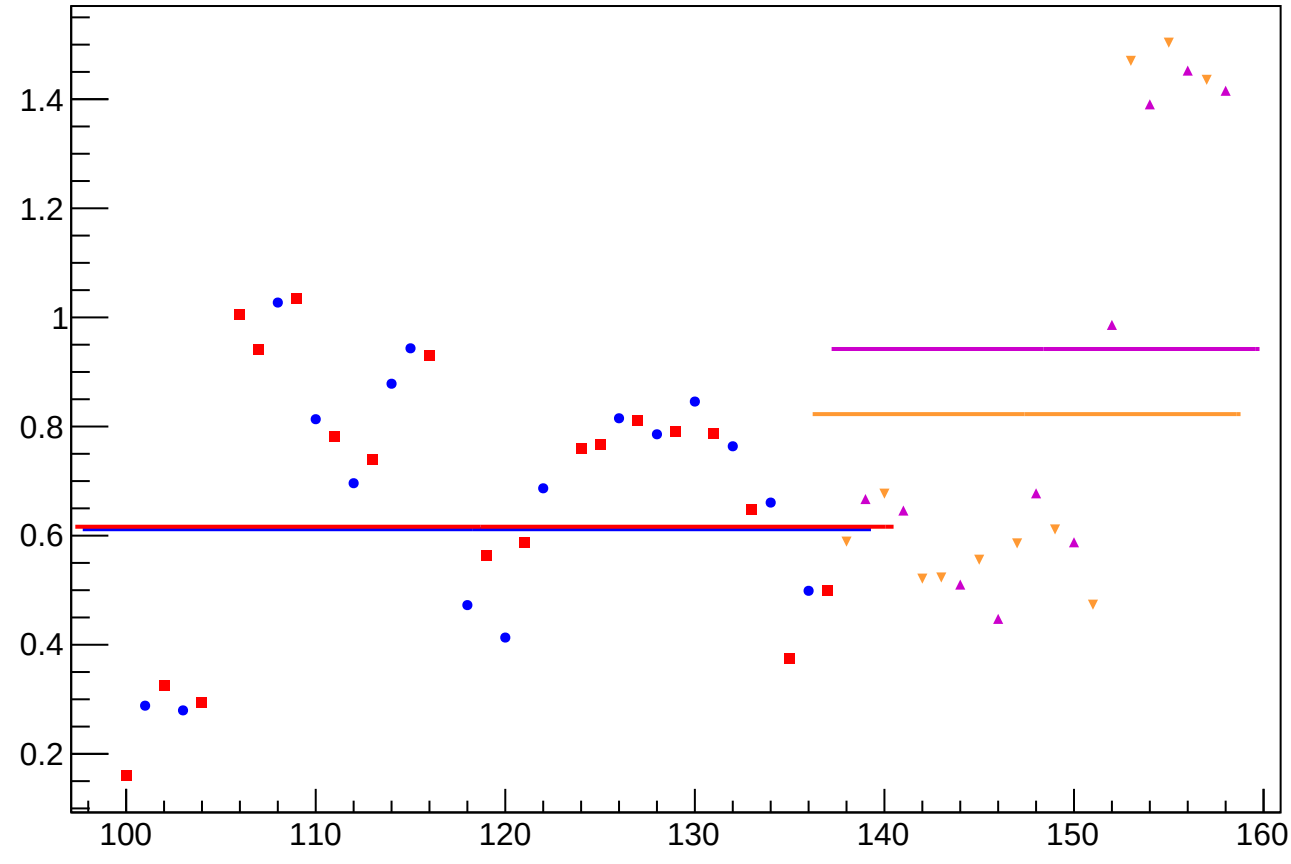
Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

Left In: 0.018+/-0.000 χ^2/NDF:236392.8/9

+ sign 0.016+/-0.000 χ^2/NDF: 983473.7/26

All: 0.015+/-0.000 χ^2/NDF: 2143592.7/55

- sign 0.015+/-0.000 χ^2/NDF: 1149839.6/28



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 0.823+/-0.000 χ^2/NDF:16411858694.8/10

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

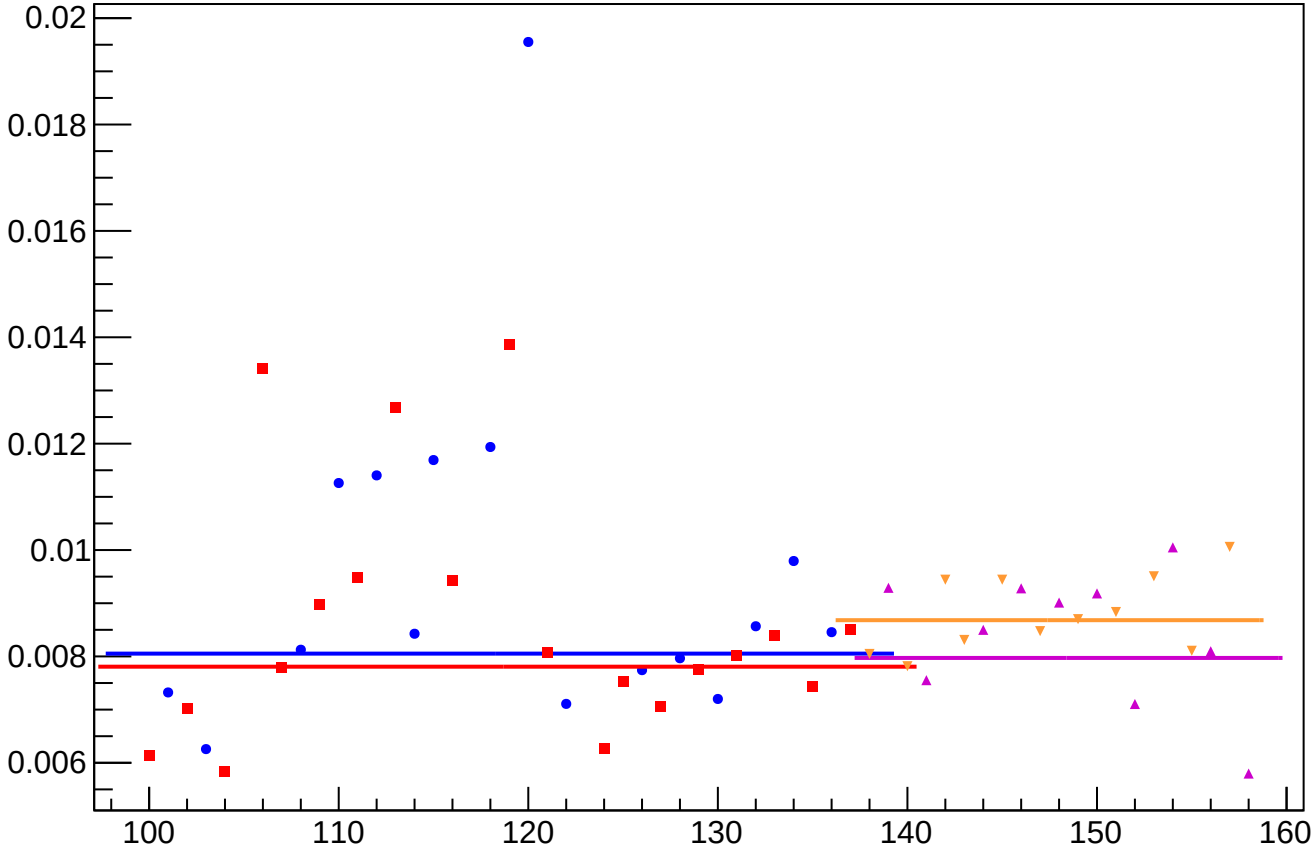
Left In: 0.942+/-0.000 χ^2/NDF:17588959181.6/9

+ sign 0.720+/-0.000 χ^2/NDF: 24211847296.7/26

All: 0.757+/-0.000 χ^2/NDF: 54601199027.5/5

- sign 0.788+/-0.000 χ^2/NDF: 29906105781.8/28

yield_bpm0l02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 598309.5/15

Left Out: 0.009+/-0.000 χ^2/NDF:92040.9/10

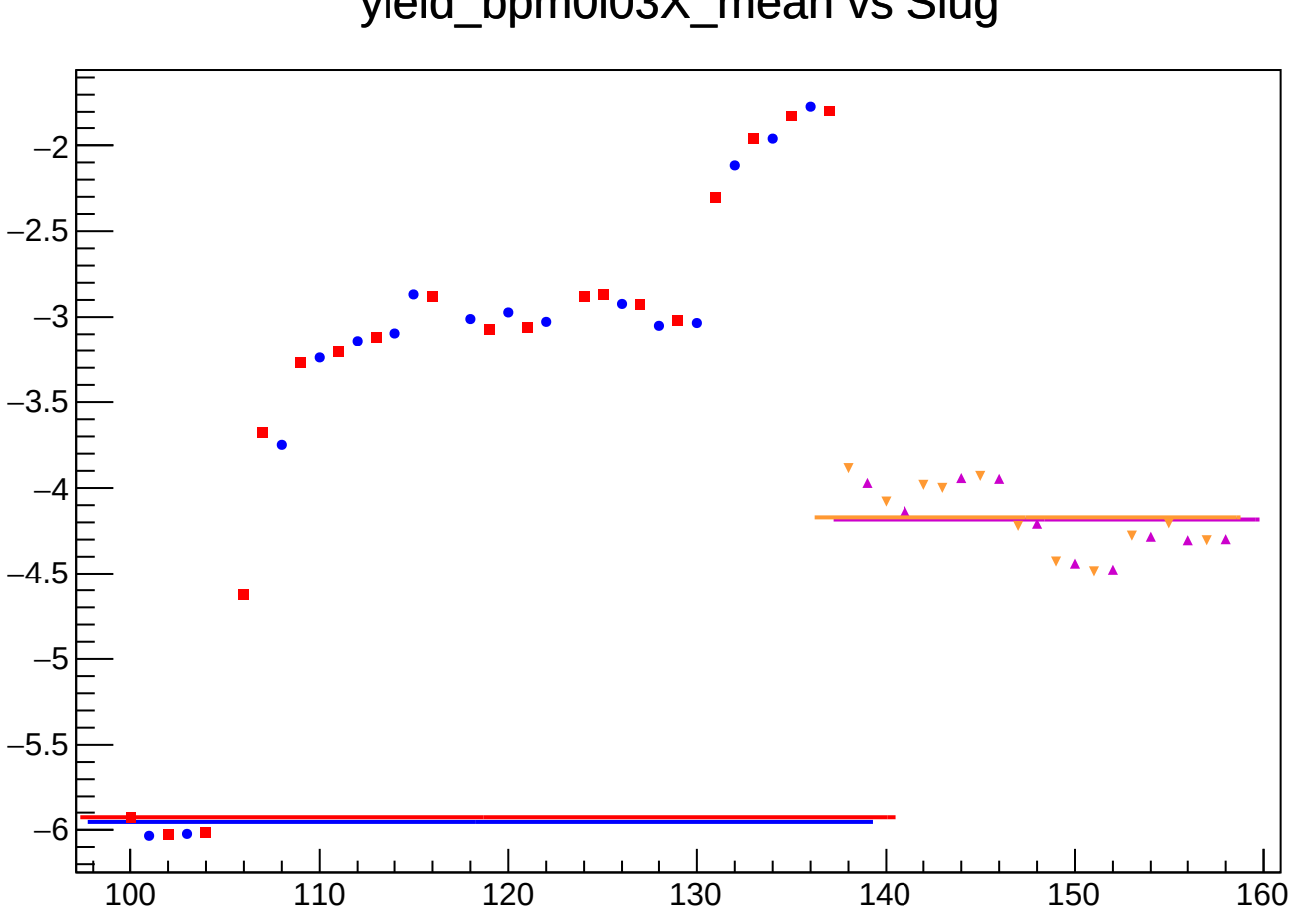
Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.008+/-0.000 χ^2/NDF:430202.4/9

+ sign 0.008+/-0.000 χ^2/NDF: 728712.2/26

All: 0.008+/-0.000 χ^2/NDF: 1797260.3/55

- sign 0.008+/-0.000 χ^2/NDF: 1020363.1/28



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

Left Out: -4.171+/-0.000 χ^2/NDF:51173929.0/10

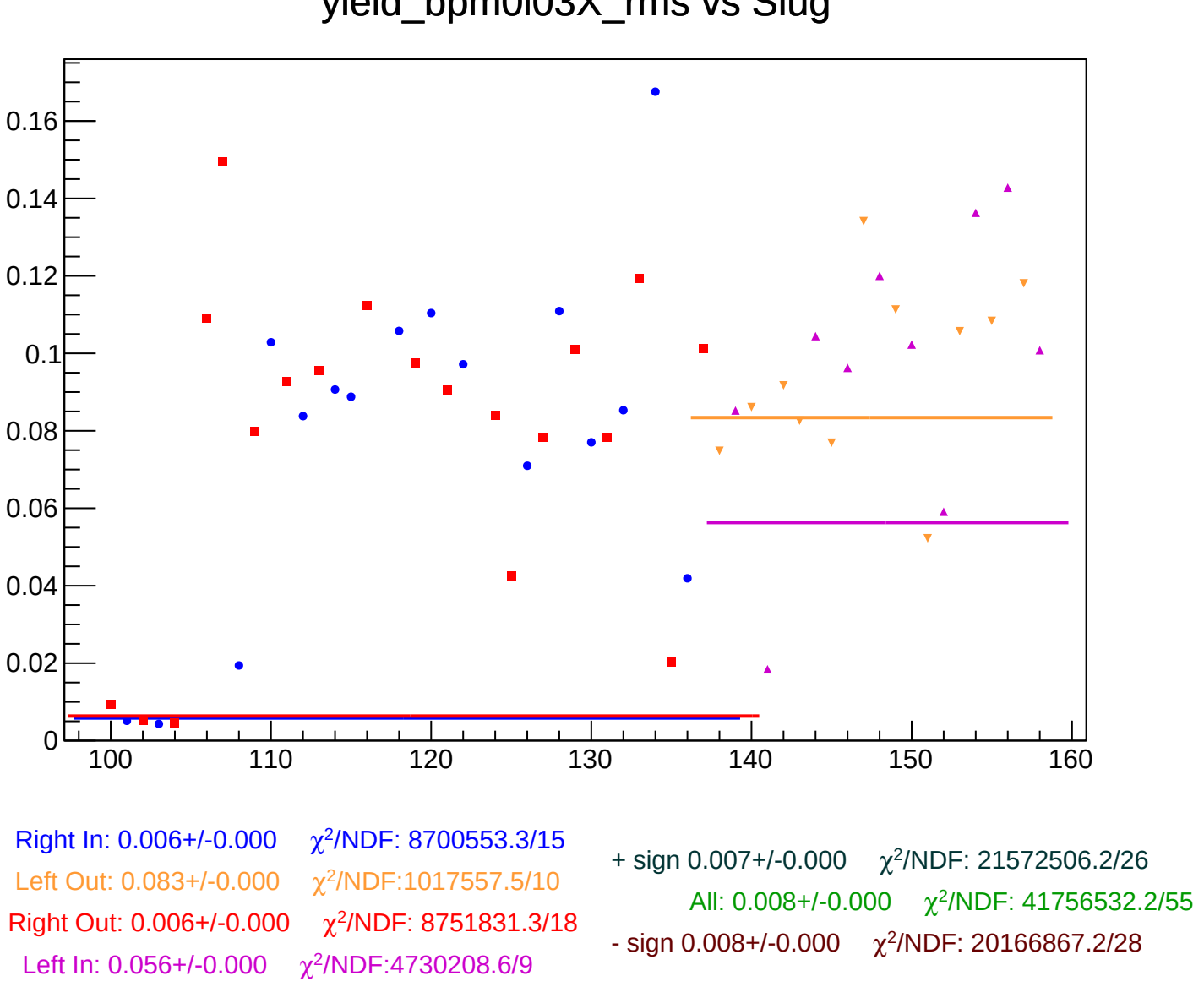
Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

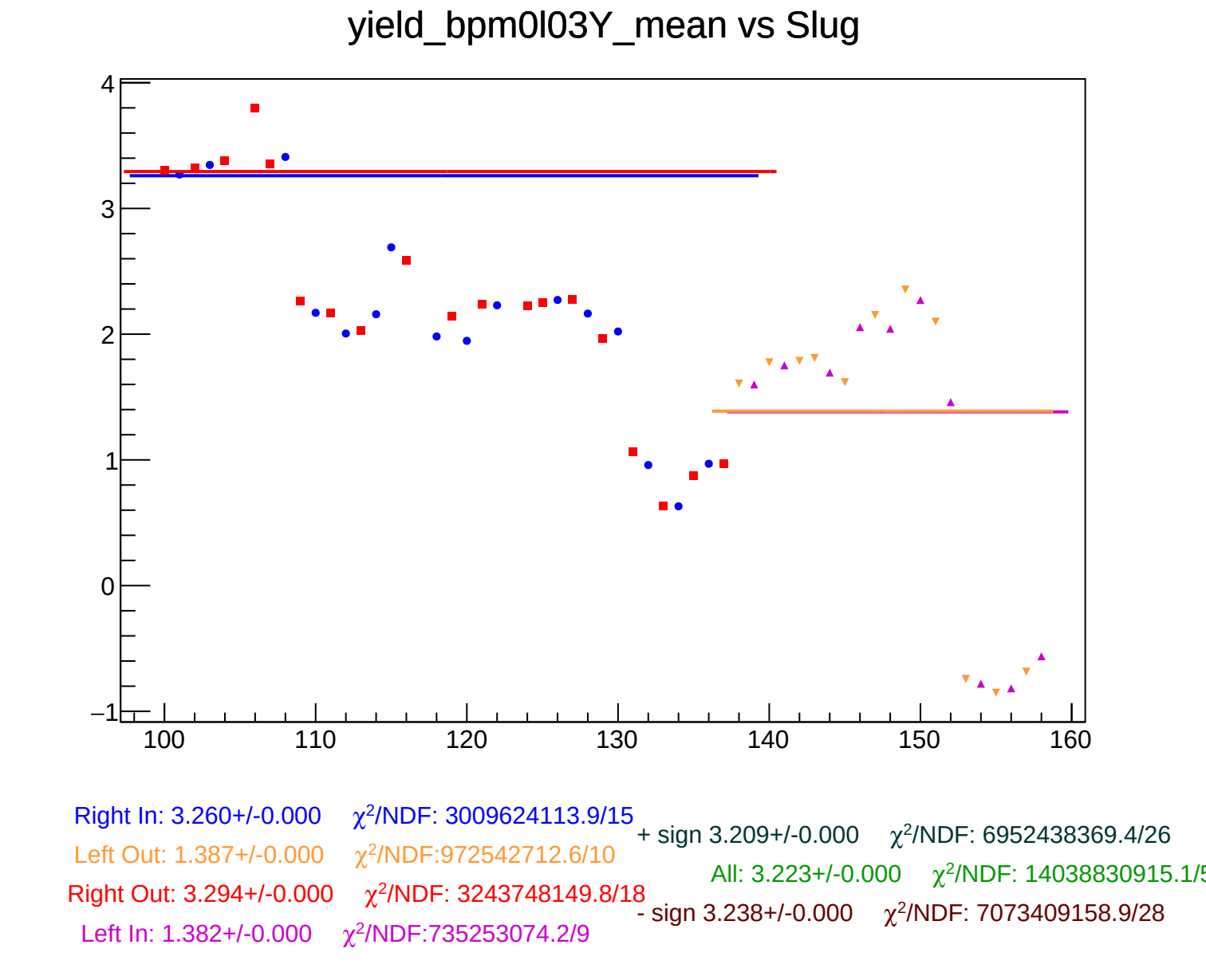
Left In: -4.183+/-0.000 χ^2/NDF:37391272.3/9

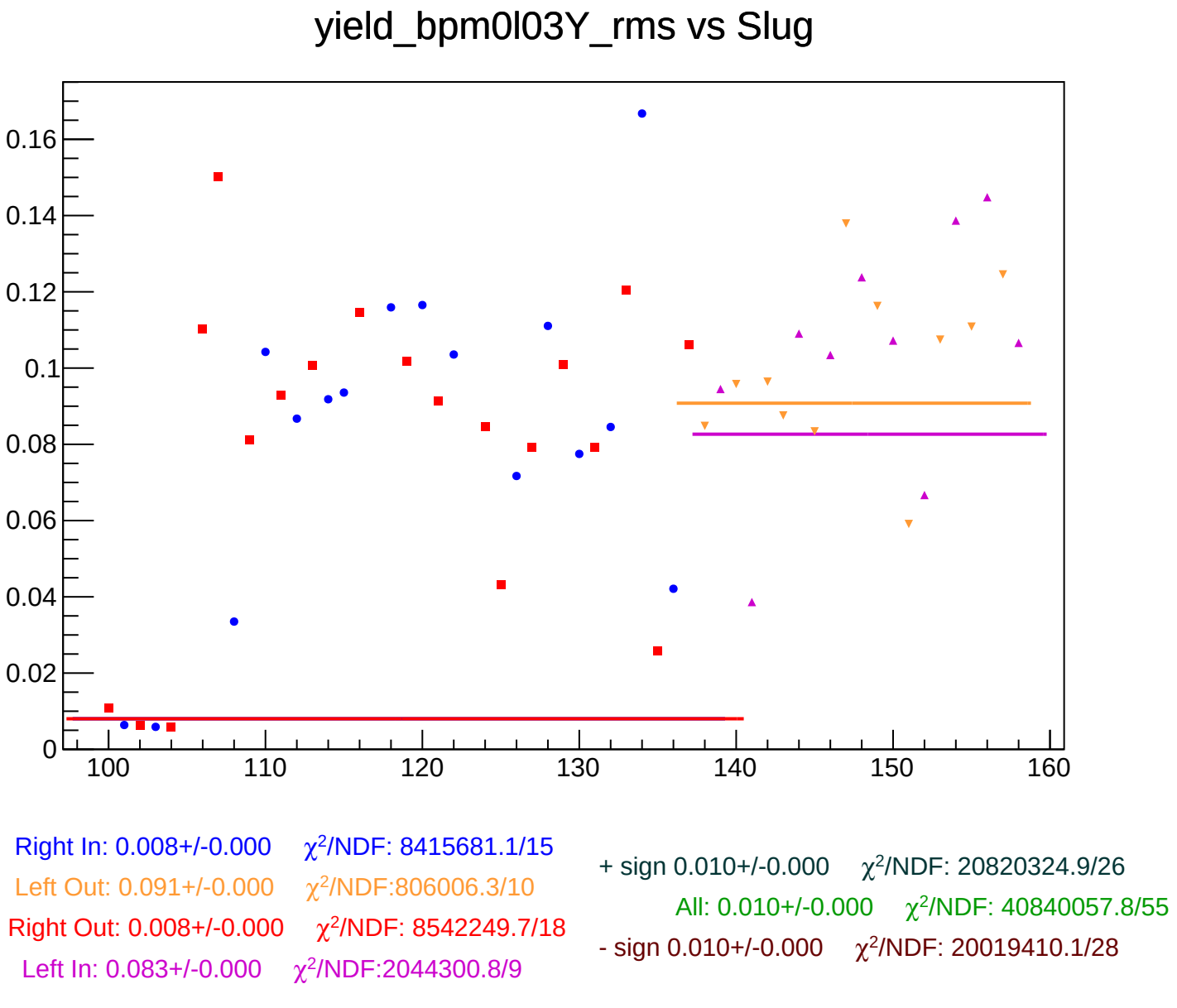
+ sign -5.920+/-0.000 χ^2/NDF: 16284337229.7/26

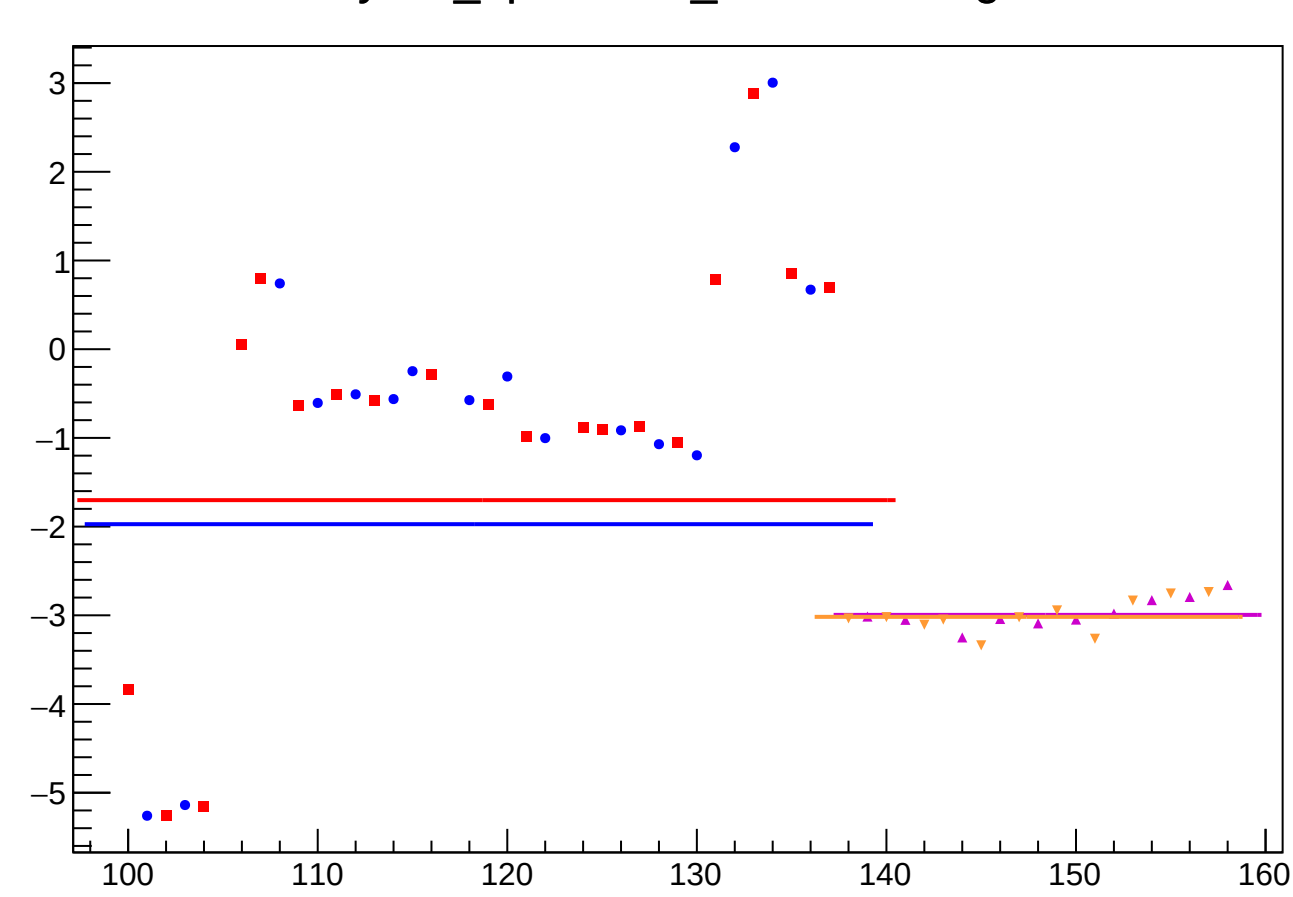
All: -5.898+/-0.000 χ^2/NDF: 34371646131.5/

- sign -5.872+/-0.000 χ^2/NDF: 18031721912.4/28


yield_bpm0l03X_rms vs Slug
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
Right In: 0.006+/-0.000 χ²/NDF: 8700553.3/15
Left Out: 0.083+/-0.000 χ²/NDF:1017557.5/10
Right Out: 0.006+/-0.000 χ²/NDF: 8751831.3/18
Left In: 0.056+/-0.000 χ²/NDF:4730208.6/9
+ sign 0.007+/-0.000 χ²/NDF: 21572506.2/26
All: 0.008+/-0.000 χ²/NDF: 41756532.2/55
- sign 0.008+/-0.000 χ²/NDF: 20166867.2/28


yield_bpm0l03Y_mean vs Slug
4
3
2
1
0
−1
100
110
120
130
140
150
160
Right In: 3.260+/-0.000 χ²/NDF: 3009624113.9/15
Left Out: 1.387+/-0.000 χ²/NDF:972542712.6/10
Right Out: 3.294+/-0.000 χ²/NDF: 3243748149.8/18
Left In: 1.382+/-0.000 χ²/NDF:735253074.2/9
+ sign 3.209+/-0.000 χ²/NDF: 6952438369.4/26
All: 3.223+/-0.000 χ²/NDF: 14038830915.1/5
- sign 3.238+/-0.000 χ²/NDF: 7073409158.9/28


yield_bpm0l03Y_rms vs Slug
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
Right In: 0.008+/-0.000 χ²/NDF: 8415681.1/15
Left Out: 0.091+/-0.000 χ²/NDF:806006.3/10
Right Out: 0.008+/-0.000 χ²/NDF: 8542249.7/18
Left In: 0.083+/-0.000 χ²/NDF:2044300.8/9
+ sign 0.010+/-0.000 χ²/NDF: 20820324.9/26
All: 0.010+/-0.000 χ²/NDF: 40840057.8/55
- sign 0.010+/-0.000 χ²/NDF: 20019410.1/28



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -3.017+/-0.000 χ^2/NDF:3951157653.0/10

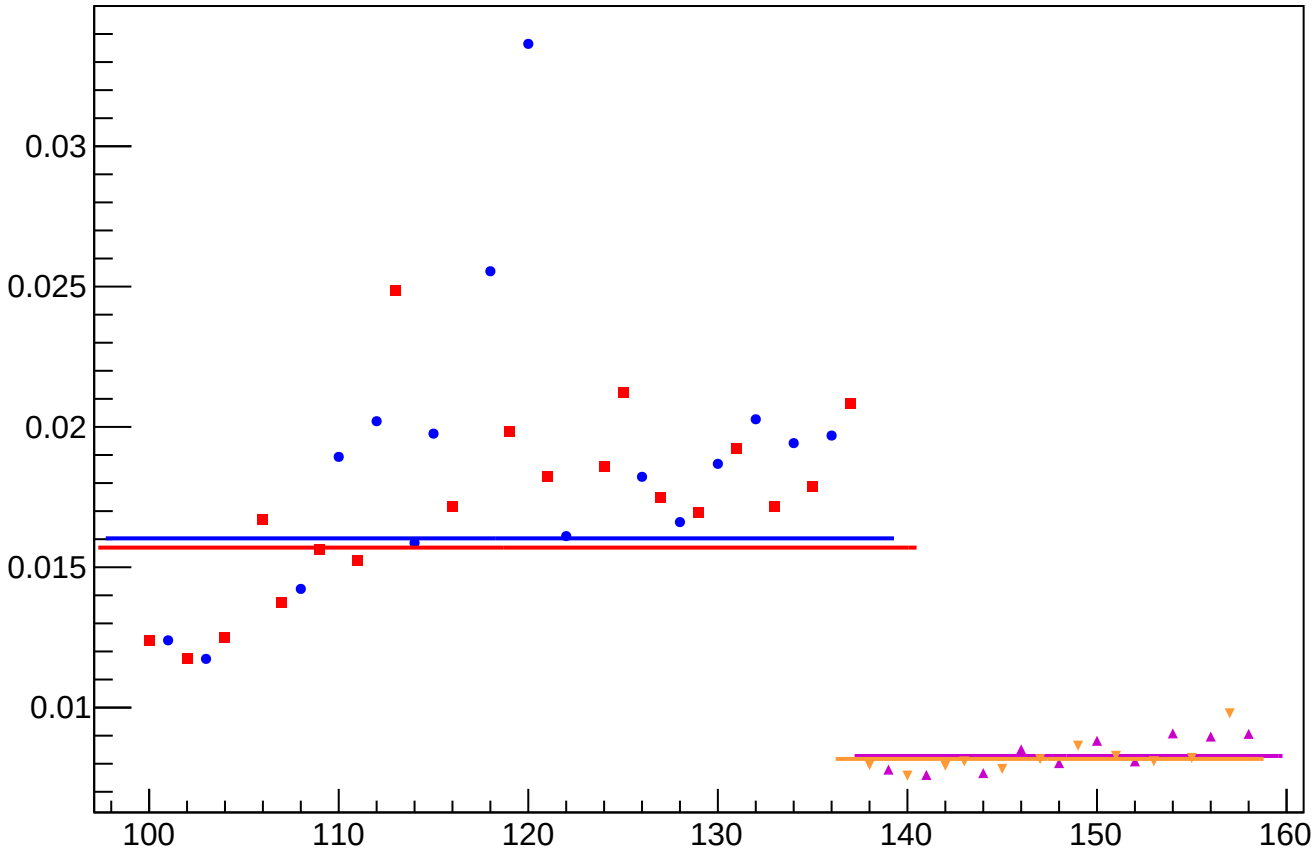
Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

Left In: -2.995+/-0.000 χ^2/NDF:2976975390.1/9

+ sign -2.855+/-0.000 χ^2/NDF: 186801318088.9/26

All: -2.810+/-0.000 χ^2/NDF: 394083502694.8

- sign -2.766+/-0.000 χ^2/NDF: 206713335237.9/28



Right In: 0.016+/-0.000 χ^2/NDF: 735736.8/15

Left Out: 0.008+/-0.000 χ^2/NDF:62189.3/10

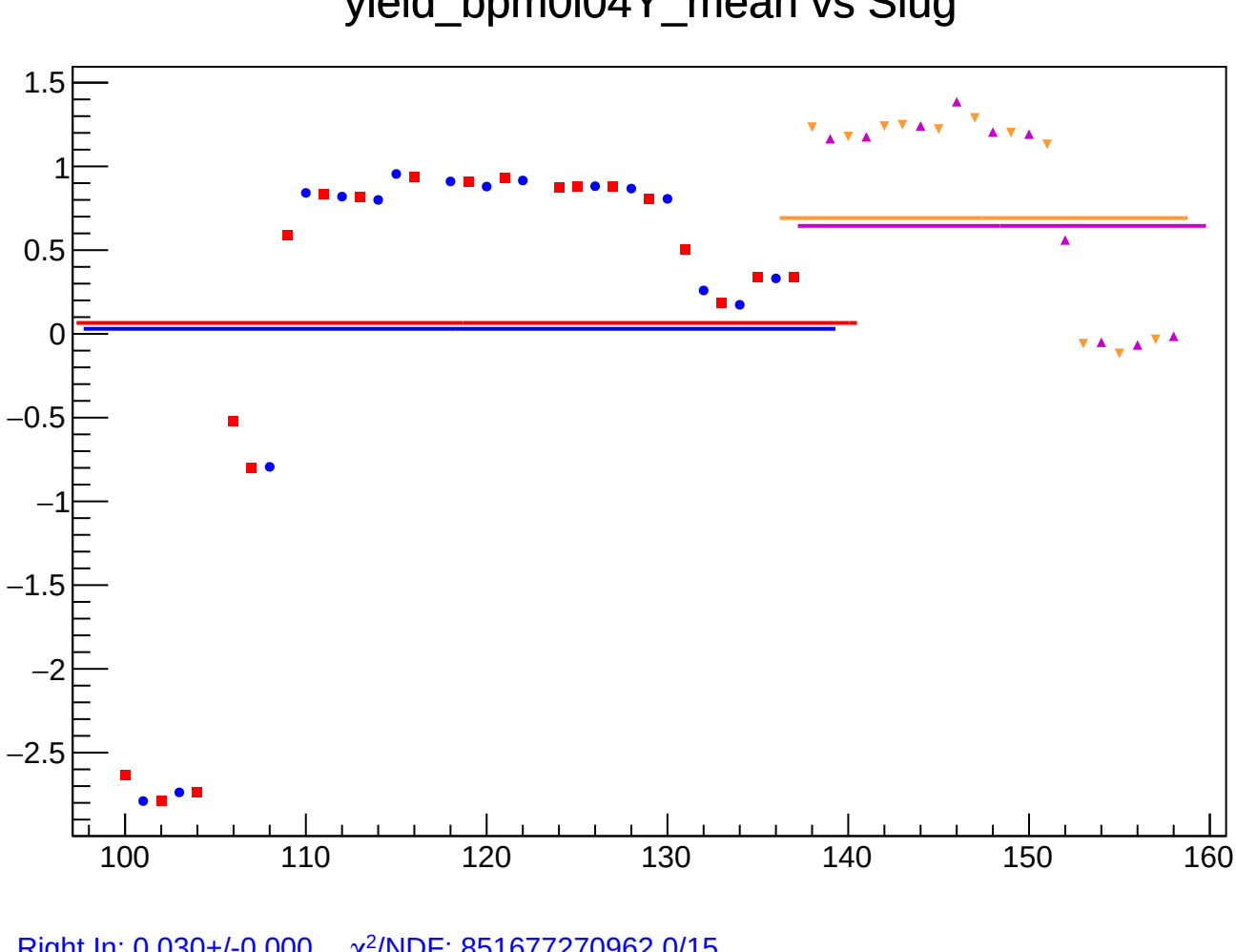
Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

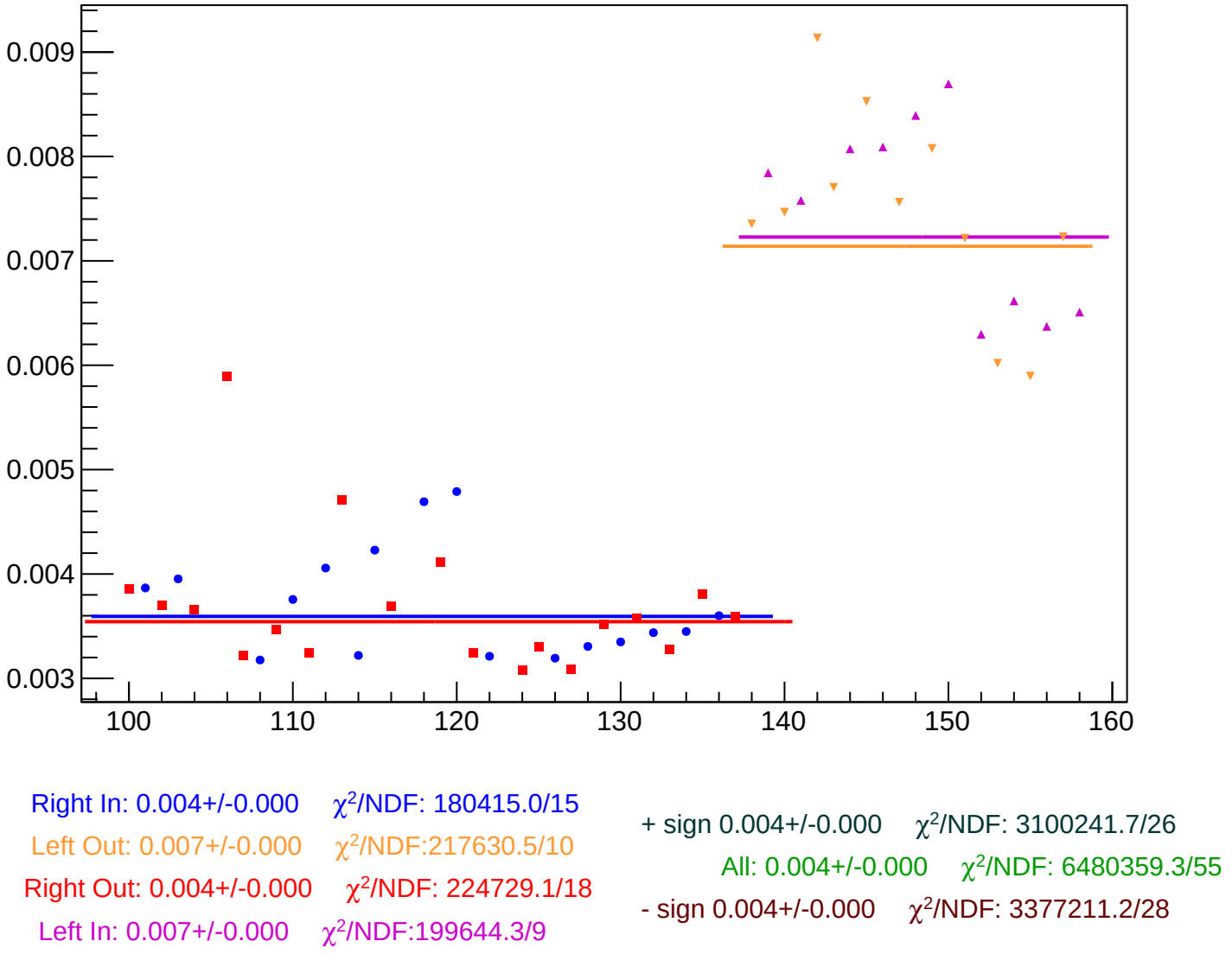
Left In: 0.008+/-0.000 χ^2/NDF:75683.6/9

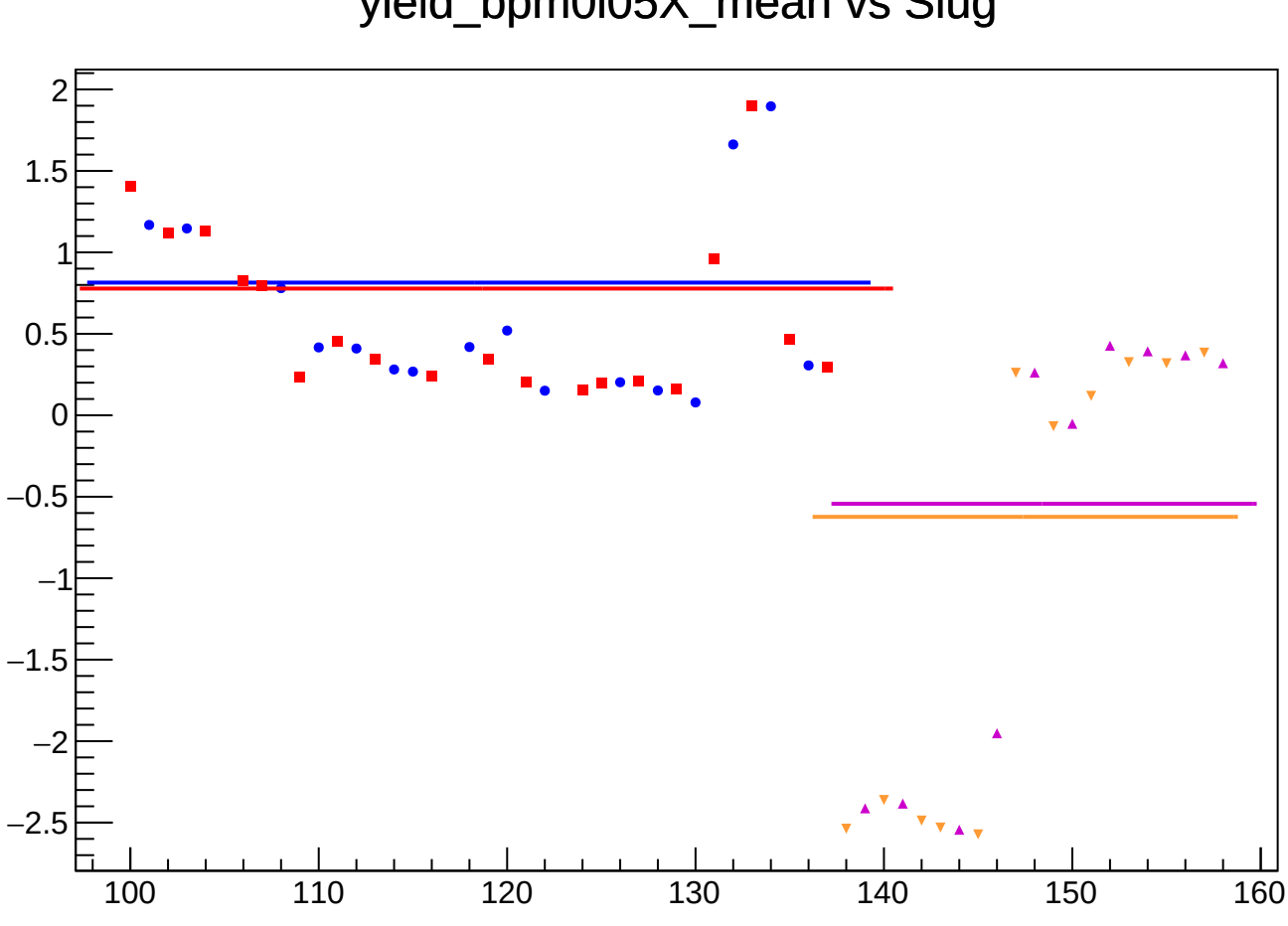
+ sign 0.009+/-0.000 χ^2/NDF: 3160127.8/26

All: 0.009+/-0.000 χ^2/NDF: 6090019.7/55

- sign 0.010+/-0.000 χ^2/NDF: 2924372.6/28


yield_bpm0l04Y_mean vs Slug
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
100
110
120
130
140
150
160
Right In: 0.030+/-0.000 χ²/NDF: 851677270962.0/15
Left Out: 0.692+/-0.000 χ²/NDF:54506433857.7/10
Right Out: 0.065+/-0.000 χ²/NDF: 935478930138.7/18
Left In: 0.645+/-0.000 χ²/NDF:47073167454.5/9
+ sign 0.167+/-0.000 χ²/NDF: 953200508956.0/26
All: 0.173+/-0.000 χ²/NDF: 1972305022405.
- sign 0.178+/-0.000 χ²/NDF: 1019061810118.3/28


yield_bpm0l04Y_rms vs Slug
0.009
0.008
0.007
0.006
0.005
0.004
0.003
100
110
120
130
140
150
160
Right In: 0.004+/-0.000 χ²/NDF: 180415.0/15
Left Out: 0.007+/-0.000 χ²/NDF:217630.5/10
Right Out: 0.004+/-0.000 χ²/NDF: 224729.1/18
Left In: 0.007+/-0.000 χ²/NDF:199644.3/9
+ sign 0.004+/-0.000 χ²/NDF: 3100241.7/26
All: 0.004+/-0.000 χ²/NDF: 6480359.3/55
- sign 0.004+/-0.000 χ²/NDF: 3377211.2/28



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -0.623+/-0.000 χ^2/NDF:298961504867.8/10

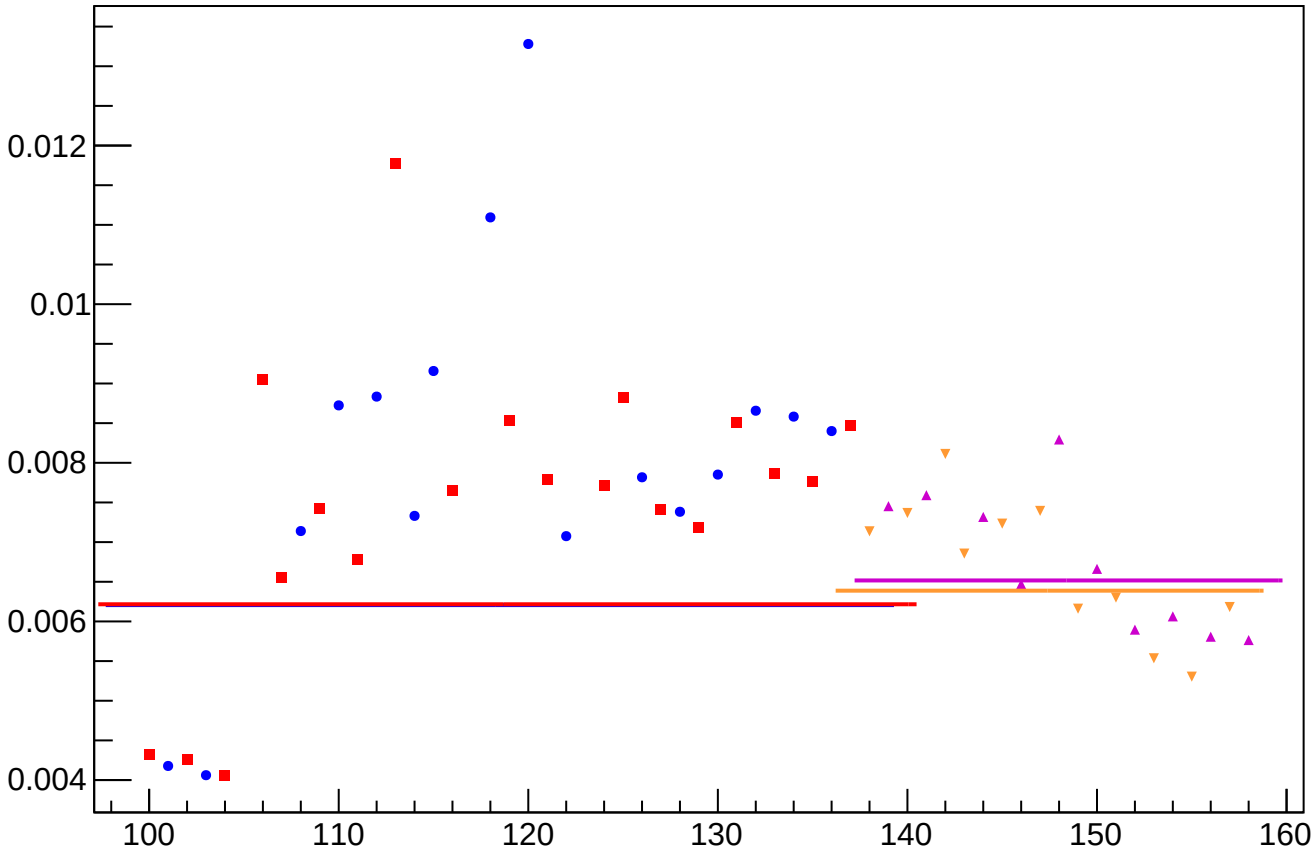
Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

Left In: -0.543+/-0.000 χ^2/NDF:273565801268.8/9

+ sign 0.008+/-0.000 χ^2/NDF: 501576699831.6/26

All: 0.038+/-0.000 χ^2/NDF: 956273972914.7

- sign 0.067+/-0.000 χ^2/NDF: 454123636071.9/28



Right In: 0.006+/-0.000 χ^2/NDF: 1423886.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:231410.1/10

Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

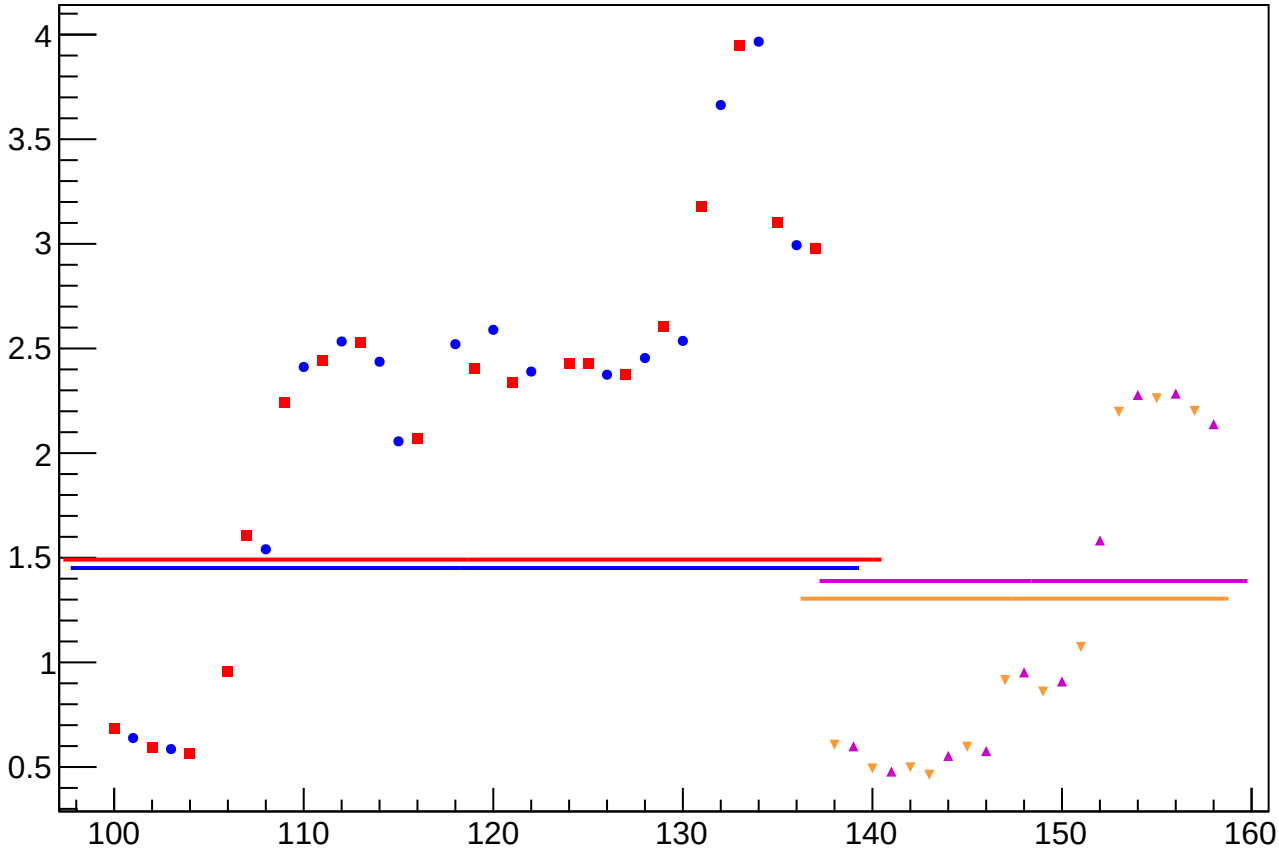
Left In: 0.007+/-0.000 χ^2/NDF:219392.2/9

+ sign 0.006+/-0.000 χ^2/NDF: 1660645.3/26

All: 0.006+/-0.000 χ^2/NDF: 3057873.5/55

- sign 0.006+/-0.000 χ^2/NDF: 1395600.7/28

yield_bpm0l05Y_mean vs Slug



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 1.305+/-0.000 χ^2/NDF:95817723964.0/10

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

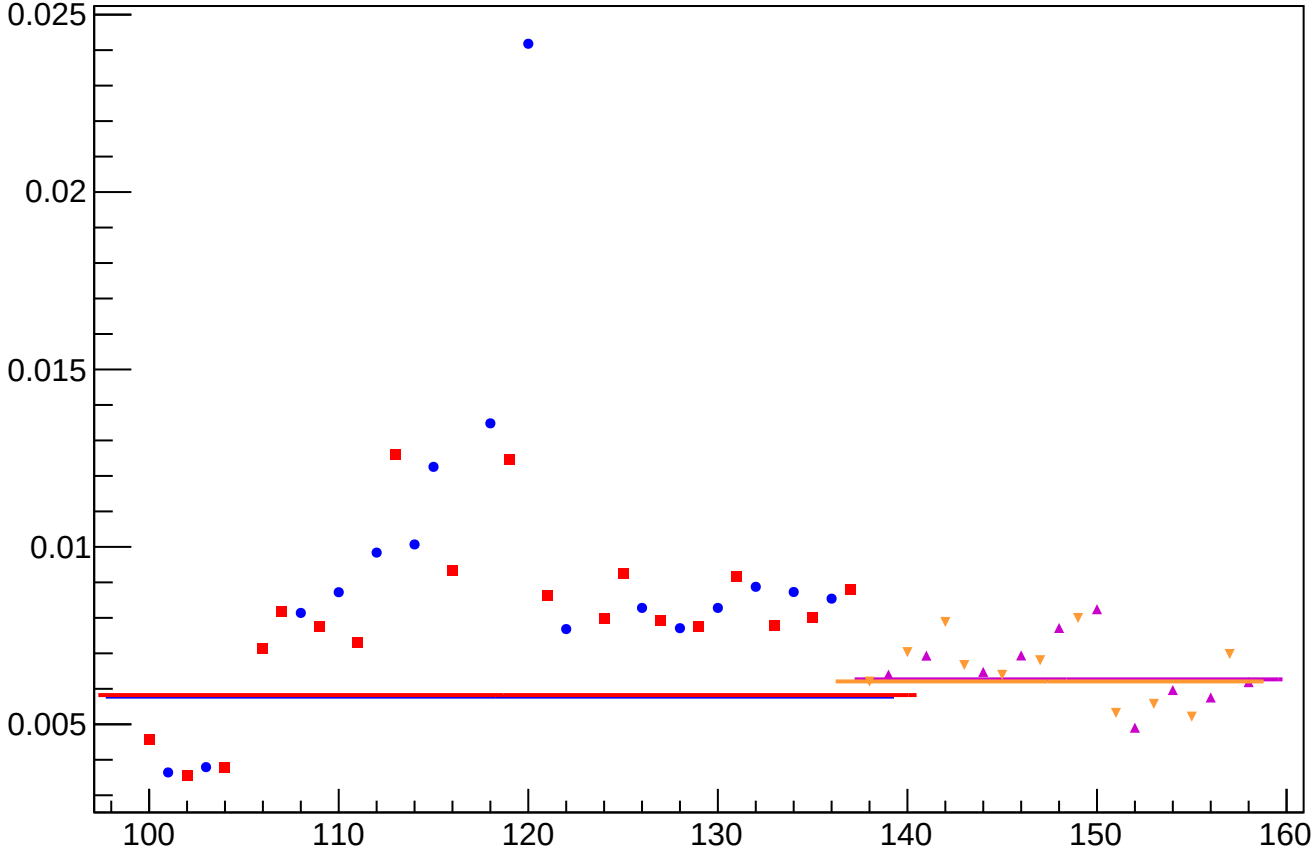
Left In: 1.389+/-0.000 χ^2/NDF:90901095493.4/9

+ sign 1.373+/-0.000 χ^2/NDF: 267163910022.6/26

All: 1.406+/-0.000 χ^2/NDF: 546589999899.9

- sign 1.439+/-0.000 χ^2/NDF: 278719494156.9/28

yield_bpm0l05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 2213885.3/15

Left Out: 0.006+/-0.000 χ^2/NDF:249801.0/10

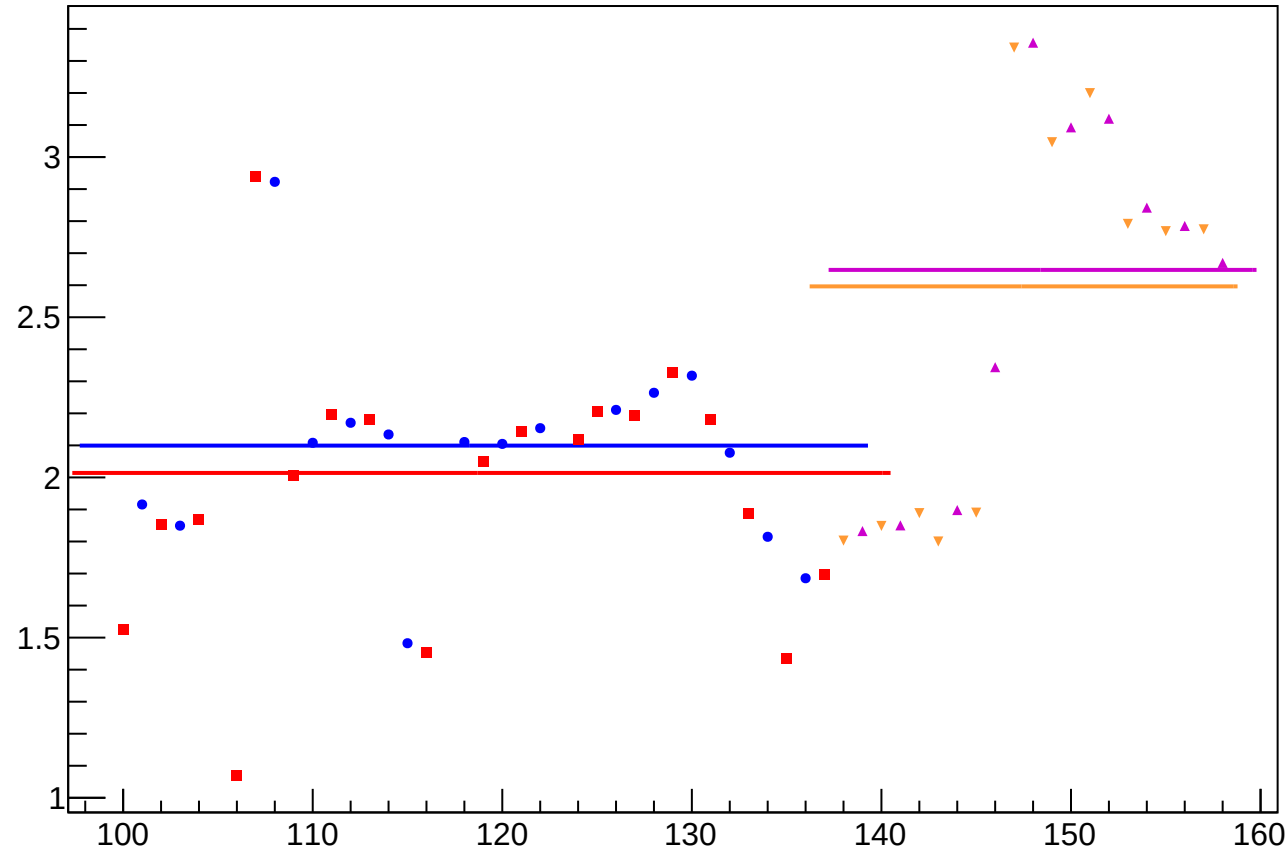
Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.006+/-0.000 χ^2/NDF:277049.4/9

+ sign 0.006+/-0.000 χ^2/NDF: 2492951.0/26

All: 0.006+/-0.000 χ^2/NDF: 4758894.0/55

- sign 0.006+/-0.000 χ^2/NDF: 2265345.6/28



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 2.596+/-0.000 χ^2/NDF:40218420230.1/10

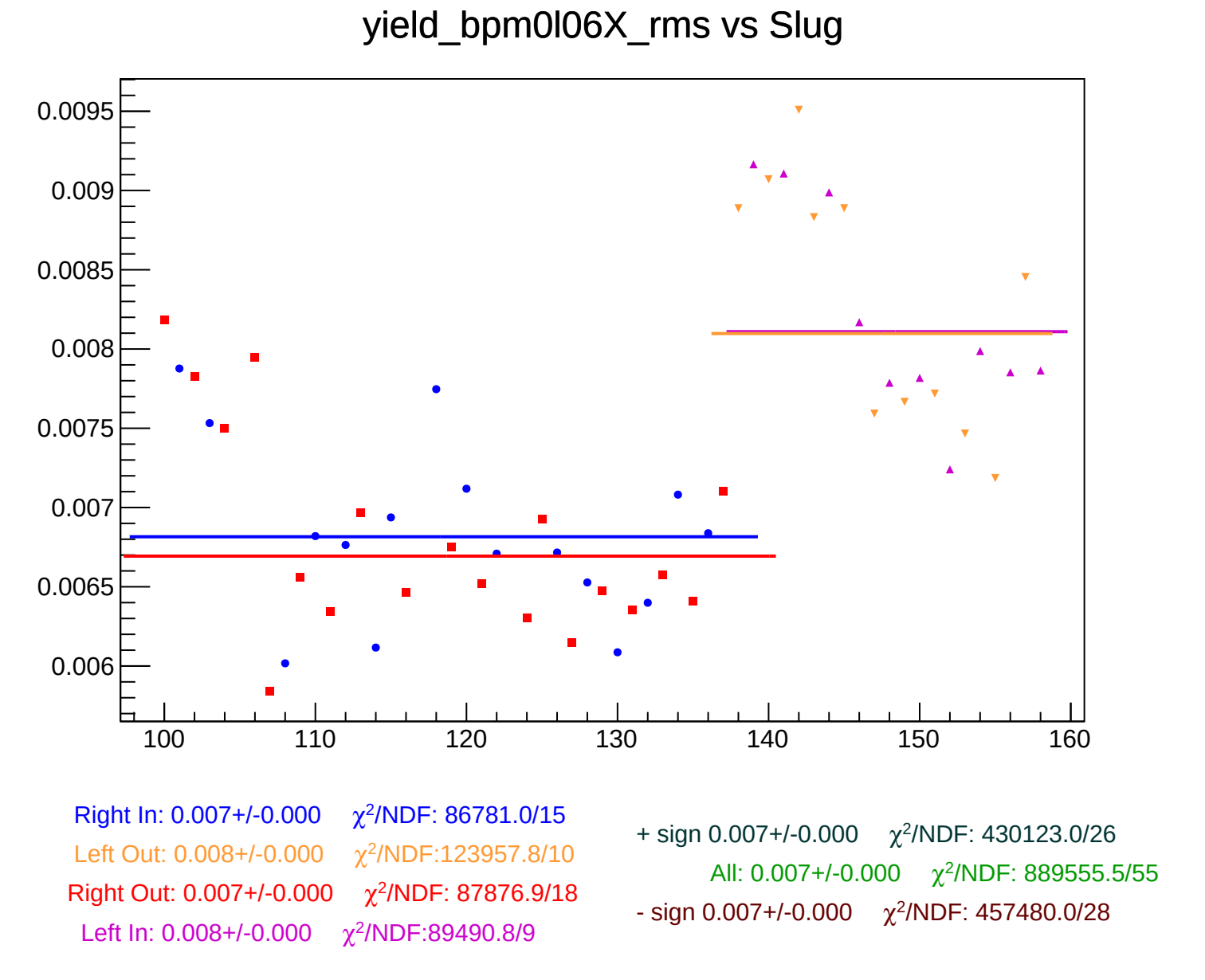
Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

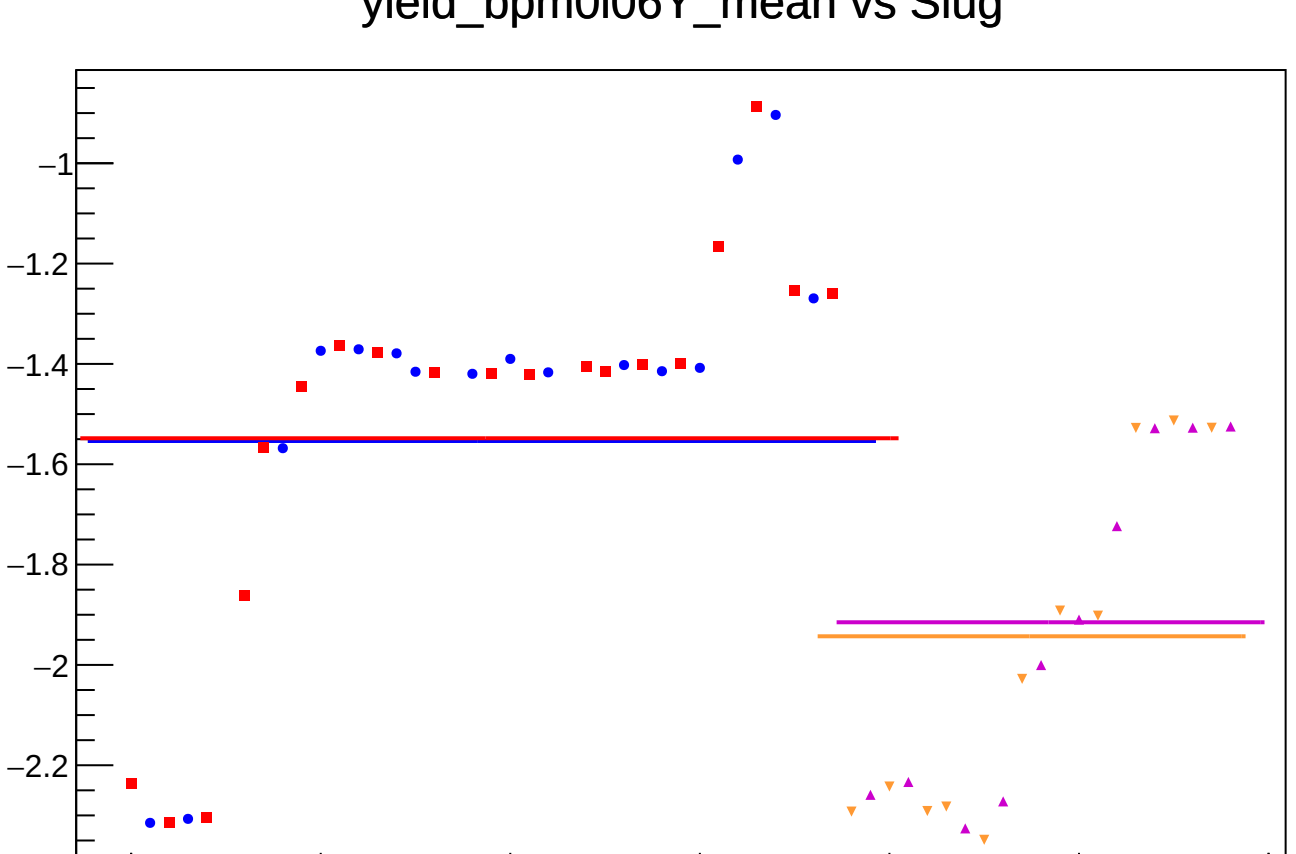
Left In: 2.648+/-0.000 χ^2/NDF:33237728937.8/9

+ sign 2.325+/-0.000 χ^2/NDF: 70628674308.8/26

All: 2.308+/-0.000 χ^2/NDF: 151684966178.6

- sign 2.292+/-0.000 χ^2/NDF: 80902716476.5/28


yield_bpm0l06X_rms vs Slug
0.0095
0.009
0.0085
0.008
0.0075
0.007
0.0065
0.006
100
110
120
130
140
150
160
Right In: 0.007+/-0.000 χ²/NDF: 86781.0/15
Left Out: 0.008+/-0.000 χ²/NDF:123957.8/10
Right Out: 0.007+/-0.000 χ²/NDF: 87876.9/18
Left In: 0.008+/-0.000 χ²/NDF:89490.8/9
+ sign 0.007+/-0.000 χ²/NDF: 430123.0/26
All: 0.007+/-0.000 χ²/NDF: 889555.5/55
- sign 0.007+/-0.000 χ²/NDF: 457480.0/28



Right In: -1.554+/-0.000 χ^2/NDF: 175176621986.0/15

Left Out: -1.943+/-0.000 χ^2/NDF:84085482380.3/10

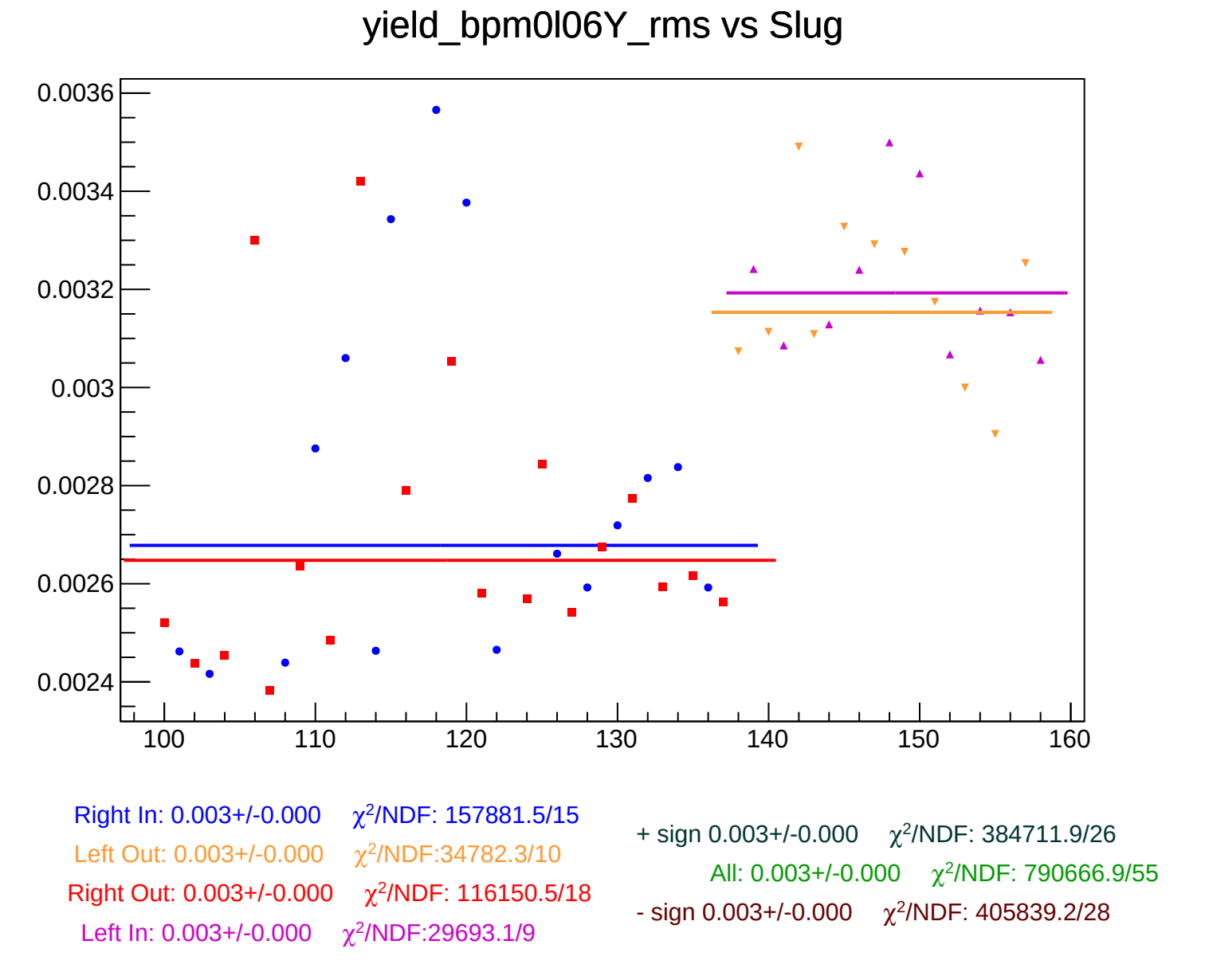
Right Out: -1.548+/-0.000 χ^2/NDF: 174743666302.8/18

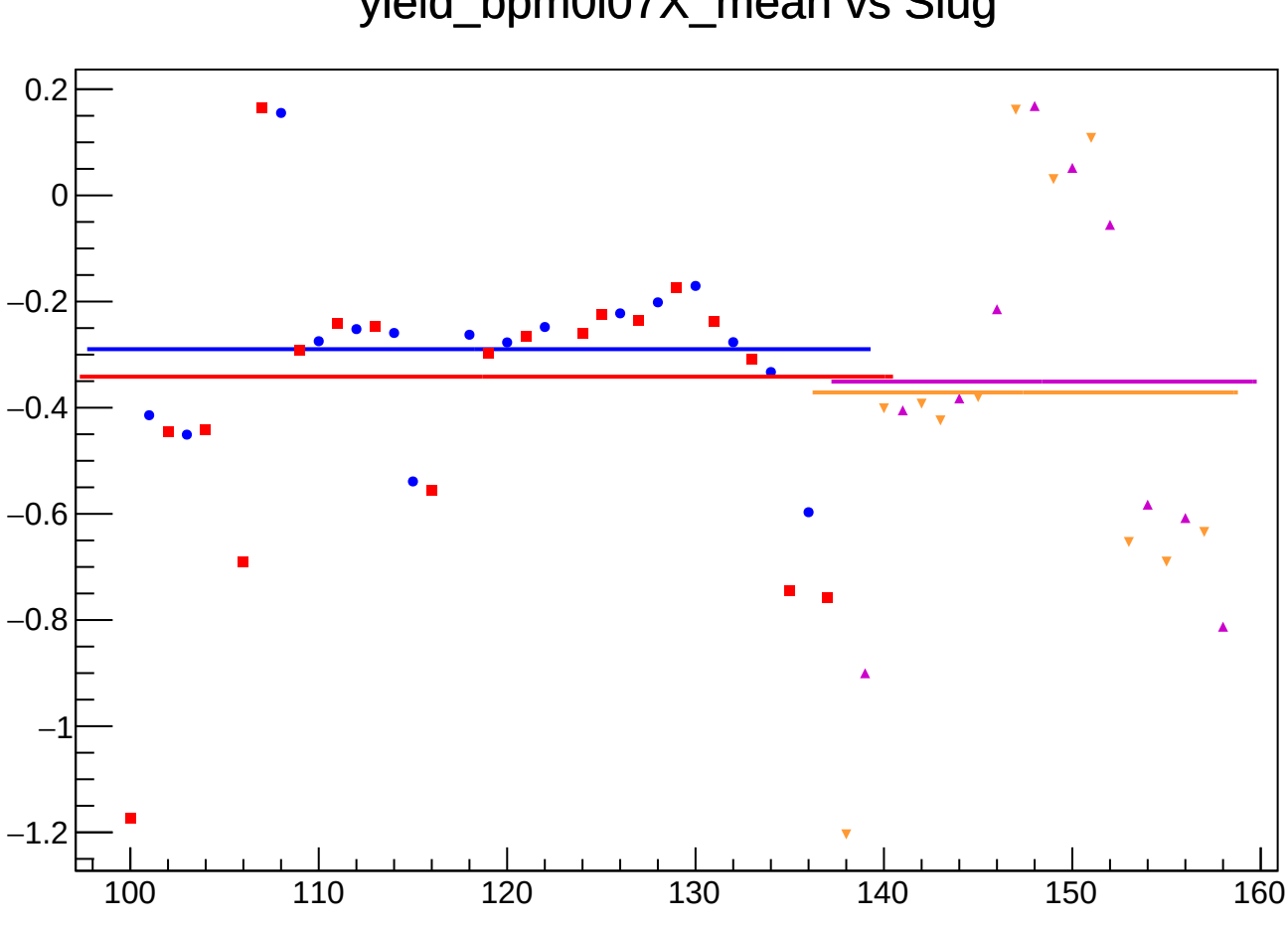
Left In: -1.915+/-0.000 χ^2/NDF:81605805181.5/9

+ sign -1.731+/-0.000 χ^2/NDF: 323762911495.6/26

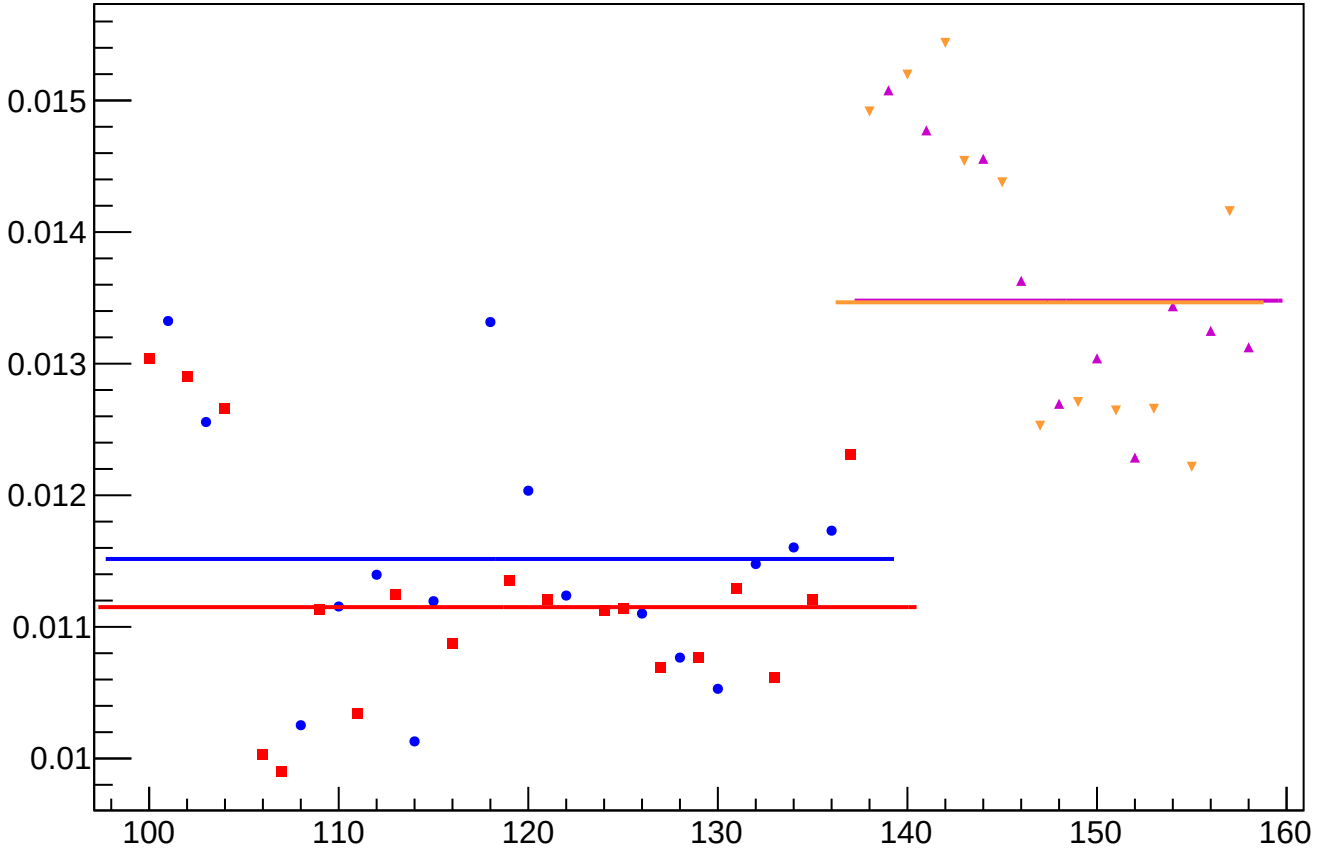
All: -1.719+/-0.000 χ^2/NDF: 639408623443.1

- sign -1.709+/-0.000 χ^2/NDF: 315220685259.8/28


yield_bpm0l06Y_rms vs Slug
0.0036
0.0034
0.0032
0.003
0.0028
0.0026
0.0024
100
110
120
130
140
150
160
Right In: 0.003+/-0.000 χ²/NDF: 157881.5/15
Left Out: 0.003+/-0.000 χ²/NDF:34782.3/10
Right Out: 0.003+/-0.000 χ²/NDF: 116150.5/18
Left In: 0.003+/-0.000 χ²/NDF:29693.1/9
+ sign 0.003+/-0.000 χ²/NDF: 384711.9/26
All: 0.003+/-0.000 χ²/NDF: 790666.9/55
- sign 0.003+/-0.000 χ²/NDF: 405839.2/28


yield_bpm0l07X_mean vs Slug
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
100
110
120
130
140
150
160
Right In: -0.290+/-0.000 χ²/NDF: 1645174238.4/15
Left Out: -0.371+/-0.000 χ²/NDF:6791574733.2/10
Right Out: -0.342+/-0.000 χ²/NDF: 2609243421.7/18
Left In: -0.351+/-0.000 χ²/NDF:5338577210.9/9
+ sign -0.327+/-0.000 χ²/NDF: 8596115526.5/26
All: -0.337+/-0.000 χ²/NDF: 16562924793.5/
- sign -0.346+/-0.000 χ²/NDF: 7949997122.4/28

yield_bpm0l07X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 84278.9/15

Left Out: 0.013+/-0.000 χ^2/NDF:108491.6/10

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

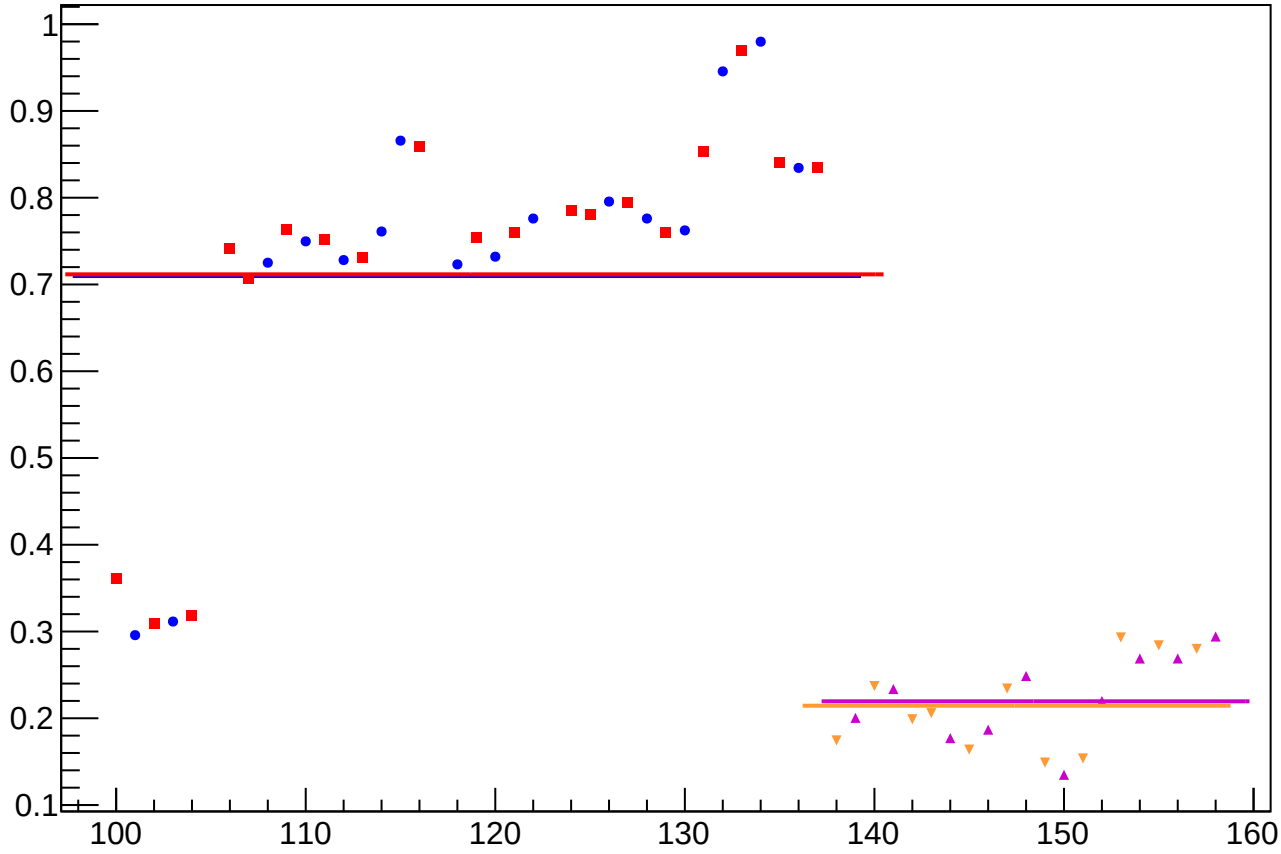
Left In: 0.013+/-0.000 χ^2/NDF:64854.1/9

+ sign 0.012+/-0.000 χ^2/NDF: 375211.8/26

All: 0.012+/-0.000 χ^2/NDF: 792001.9/55

- sign 0.012+/-0.000 χ^2/NDF: 410494.2/28

yield_bpm0l07Y_mean vs Slug



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.214+/-0.000 χ^2/NDF:4616441311.9/10

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

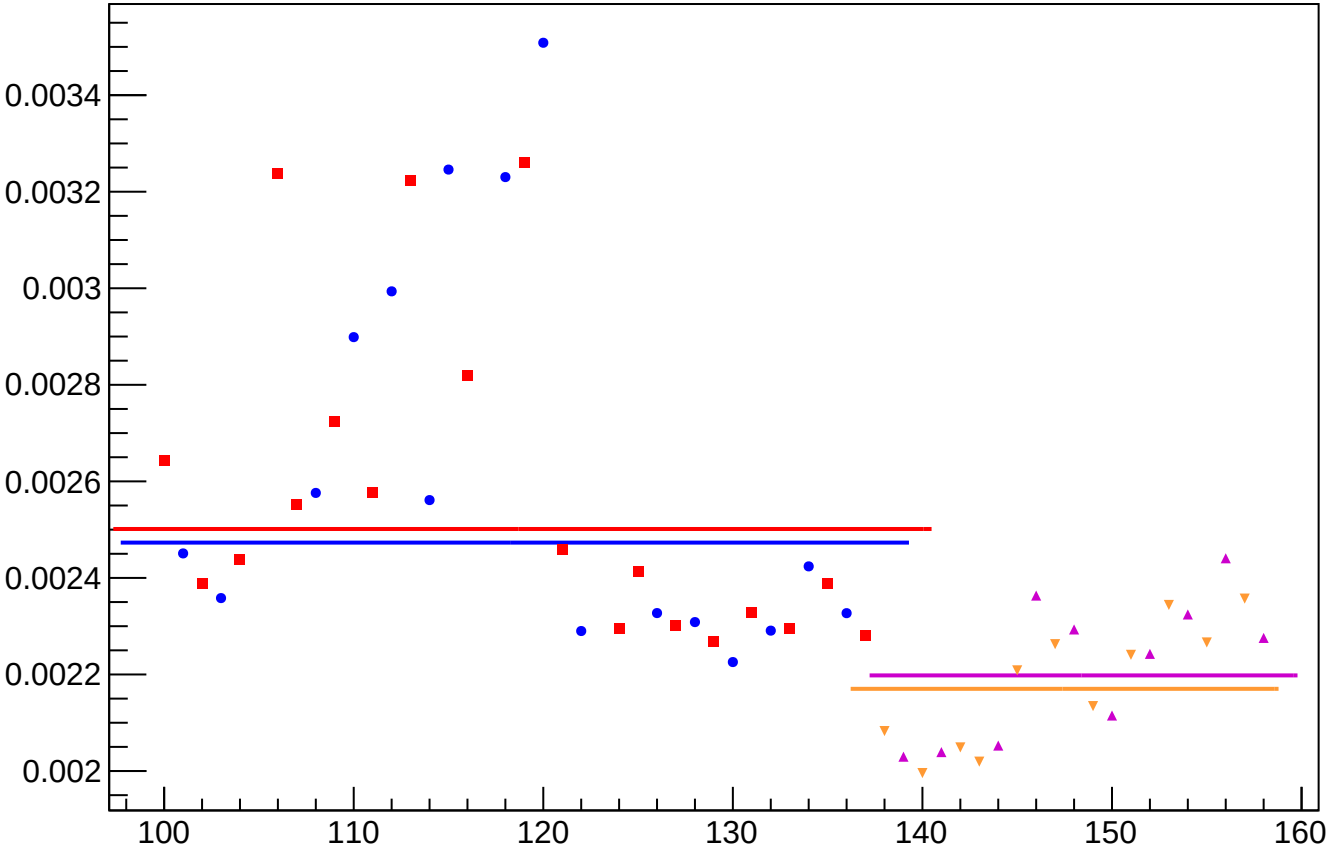
Left In: 0.220+/-0.000 χ^2/NDF:3901523341.2/9

+ sign 0.403+/-0.000 χ^2/NDF: 222887069137.5/26

All: 0.407+/-0.000 χ^2/NDF: 437740707756.8

- sign 0.410+/-0.000 χ^2/NDF: 214774308047.4/28

yield_bpm0l07Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 208046.5/15

Left Out: 0.002+/-0.000 χ^2/NDF:55143.2/10

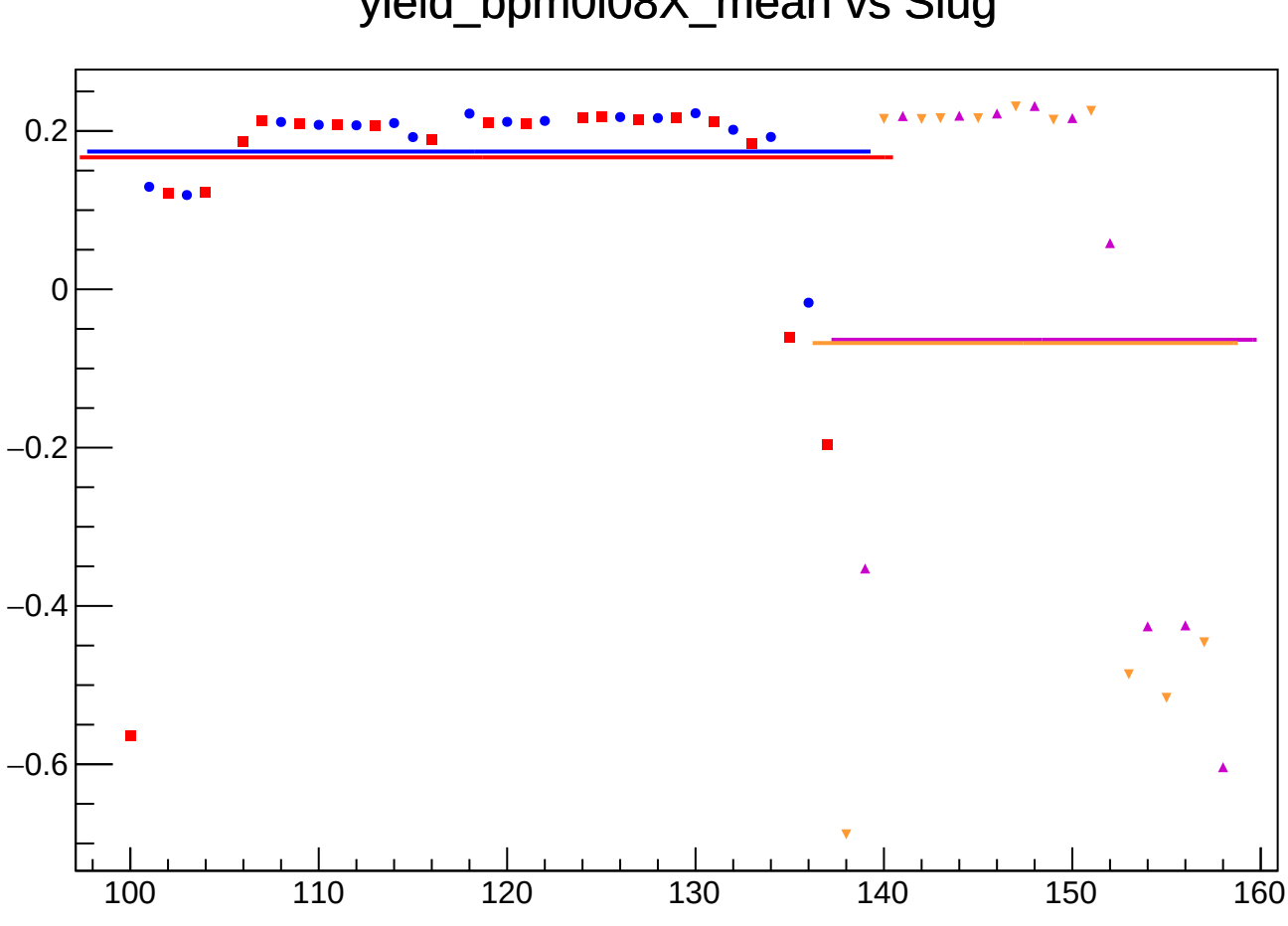
Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

Left In: 0.002+/-0.000 χ^2/NDF:69339.8/9

+ sign 0.002+/-0.000 χ^2/NDF: 389869.6/26

All: 0.002+/-0.000 χ^2/NDF: 765917.1/55

- sign 0.002+/-0.000 χ^2/NDF: 373405.9/28



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: -0.068+/-0.000 χ^2/NDF:7284927173.8/10

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

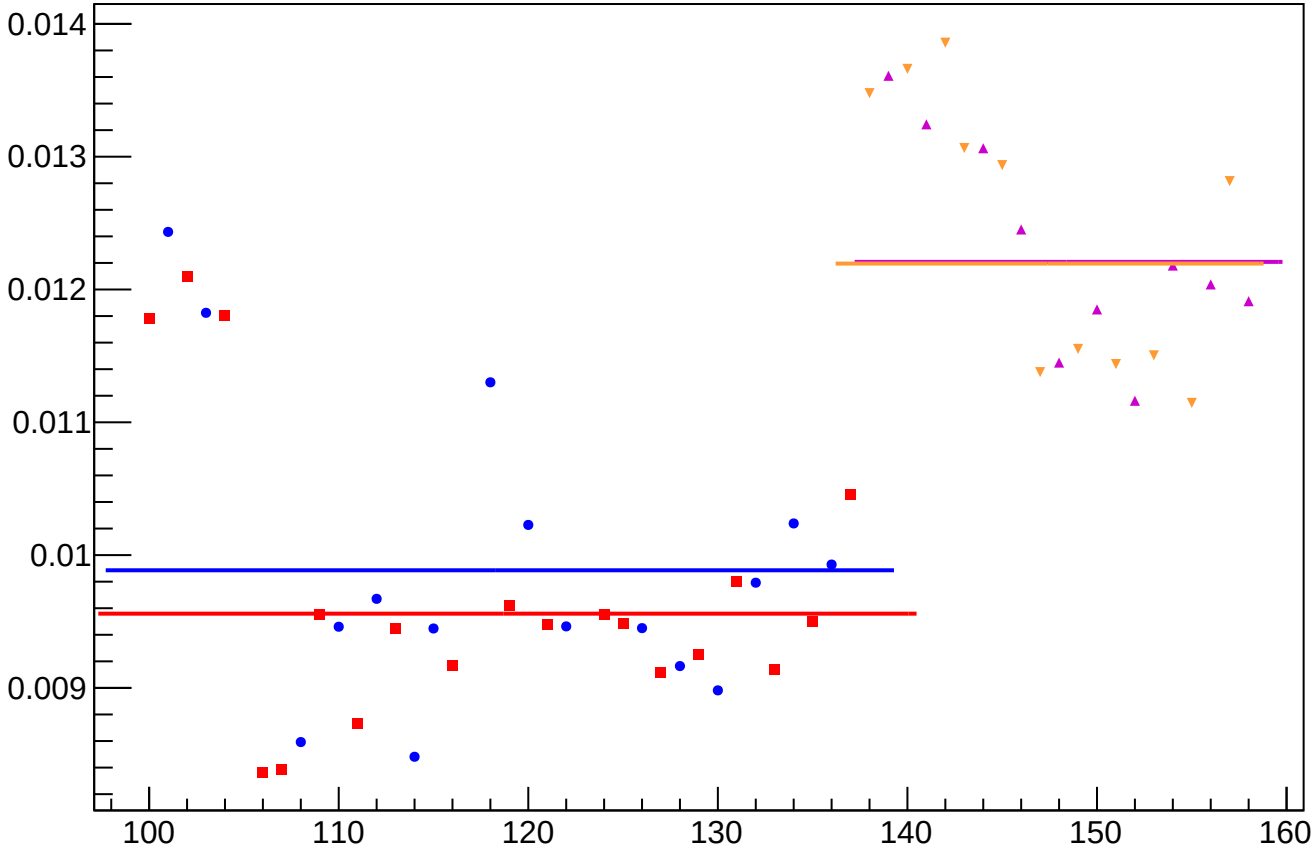
Left In: -0.064+/-0.000 χ^2/NDF:5841916280.9/9

+ sign 0.068+/-0.000 χ^2/NDF: 9480515379.3/26

All: 0.070+/-0.000 χ^2/NDF: 17934169358.2/5

- sign 0.072+/-0.000 χ^2/NDF: 8452733042.1/28

yield_bpm0l08X_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 148562.0/15

Left Out: 0.012+/-0.000 χ^2/NDF:97248.7/10

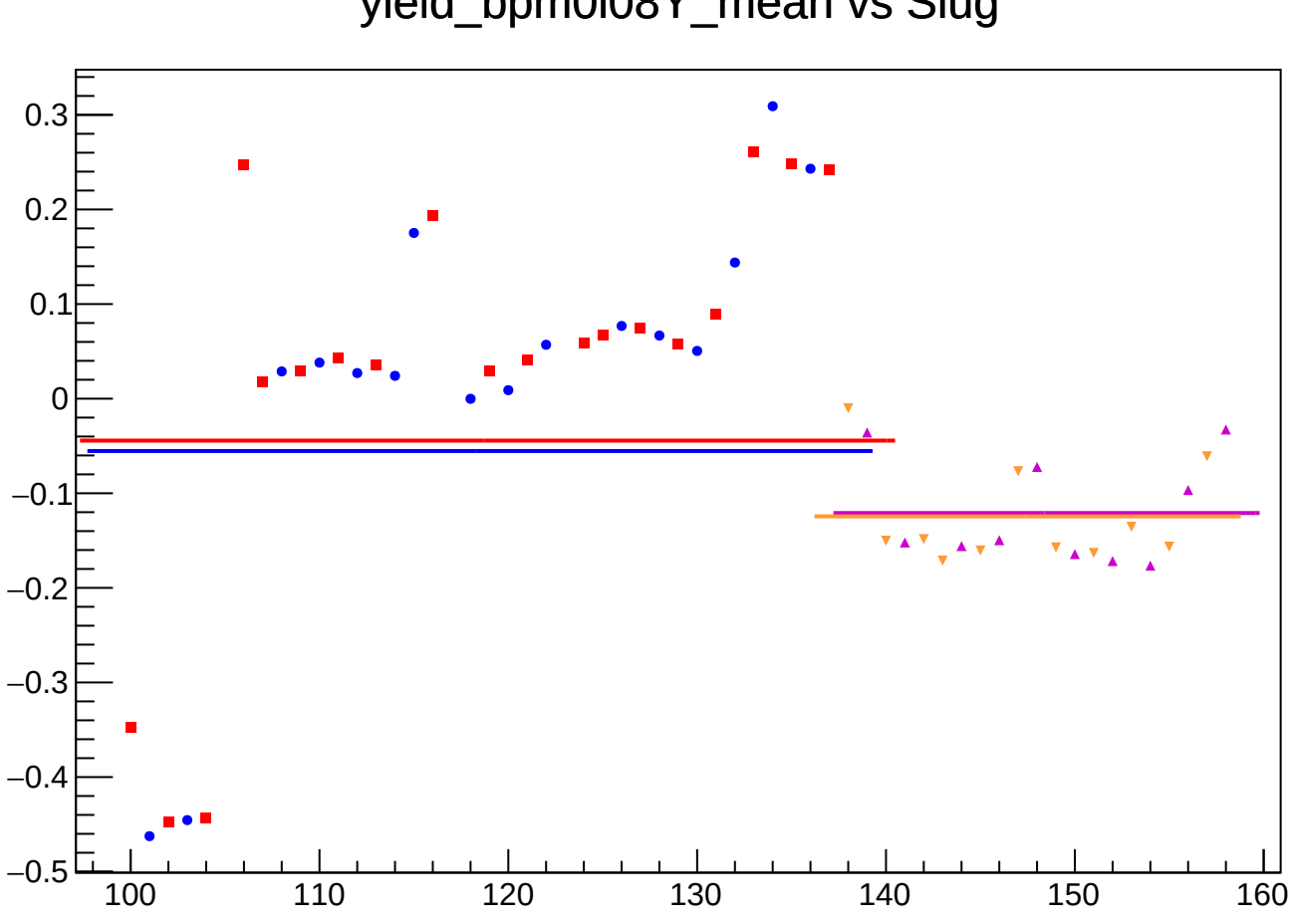
Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.012+/-0.000 χ^2/NDF:59012.3/9

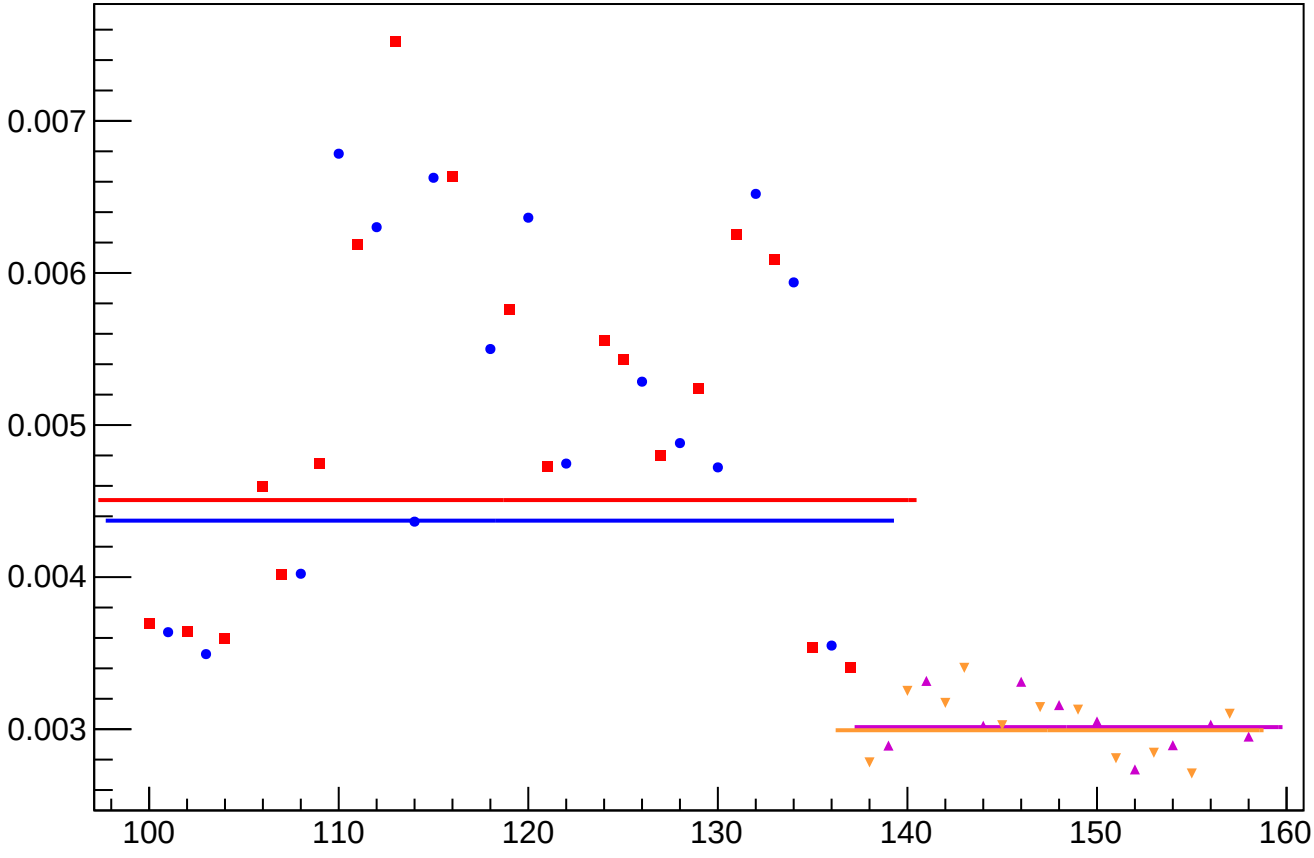
+ sign 0.011+/-0.000 χ^2/NDF: 572680.2/26

All: 0.011+/-0.000 χ^2/NDF: 1229473.9/55

- sign 0.011+/-0.000 χ^2/NDF: 648844.5/28


yield_bpm0l08Y_mean vs Slug
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
160
Right In: -0.055+/-0.000 χ²/NDF: 24081939190.6/15
Left Out: -0.124+/-0.000 χ²/NDF:2434139221.7/10
Right Out: -0.044+/-0.000 χ²/NDF: 22136167141.7/18
Left In: -0.121+/-0.000 χ²/NDF:2720777301.9/9
+ sign -0.106+/-0.000 χ²/NDF: 27641738083.4/26
All: -0.104+/-0.000 χ²/NDF: 53883728342.0/
- sign -0.101+/-0.000 χ²/NDF: 26224566435.6/28

yield_bpm0l08Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 660432.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:79297.8/10

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

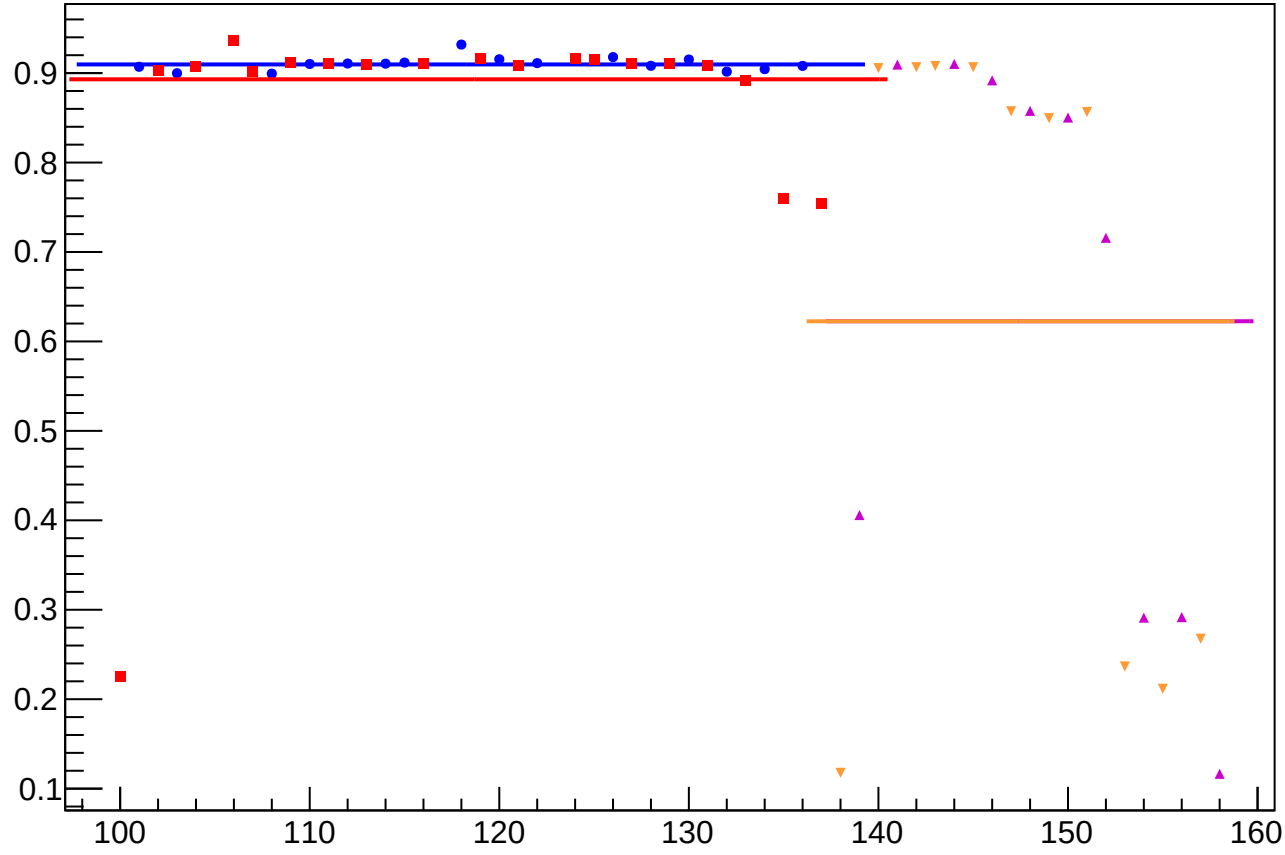
Left In: 0.003+/-0.000 χ^2/NDF:53146.7/9

+ sign 0.003+/-0.000 χ^2/NDF: 1636462.2/26

All: 0.003+/-0.000 χ^2/NDF: 3436455.8/55

- sign 0.003+/-0.000 χ^2/NDF: 1797206.4/28

yield_bpm0l09X_mean vs Slug



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.623+/-0.000 χ^2/NDF:6137609077.8/10

Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

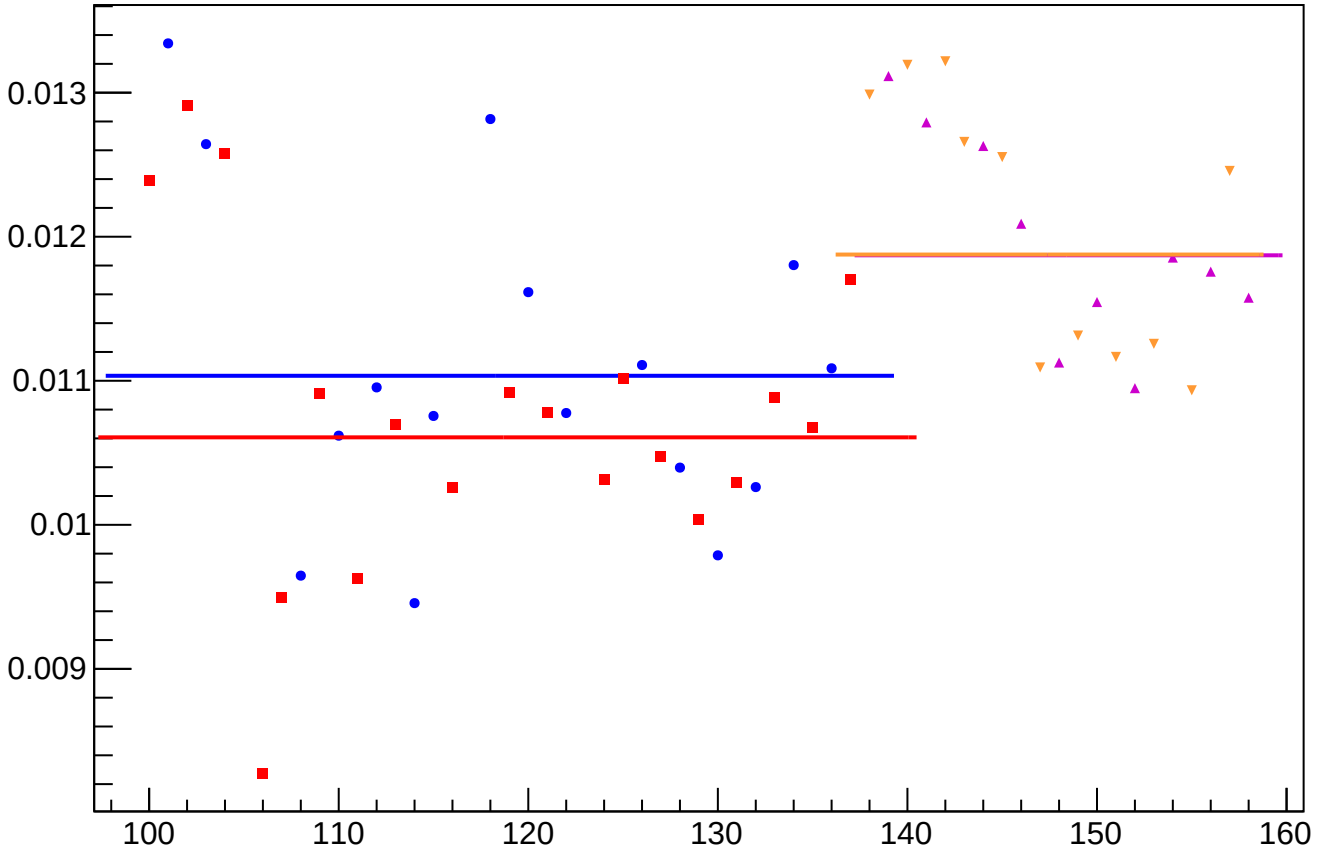
Left In: 0.623+/-0.000 χ^2/NDF:5141583312.8/9

+ sign 0.764+/-0.000 χ^2/NDF: 8495559597.7/26

All: 0.764+/-0.000 χ^2/NDF: 16201071439.8/5

- sign 0.764+/-0.000 χ^2/NDF: 7705507105.1/28

yield_bpm0l09X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 130353.1/15

Left Out: 0.012+/-0.000 χ^2/NDF:83034.4/10

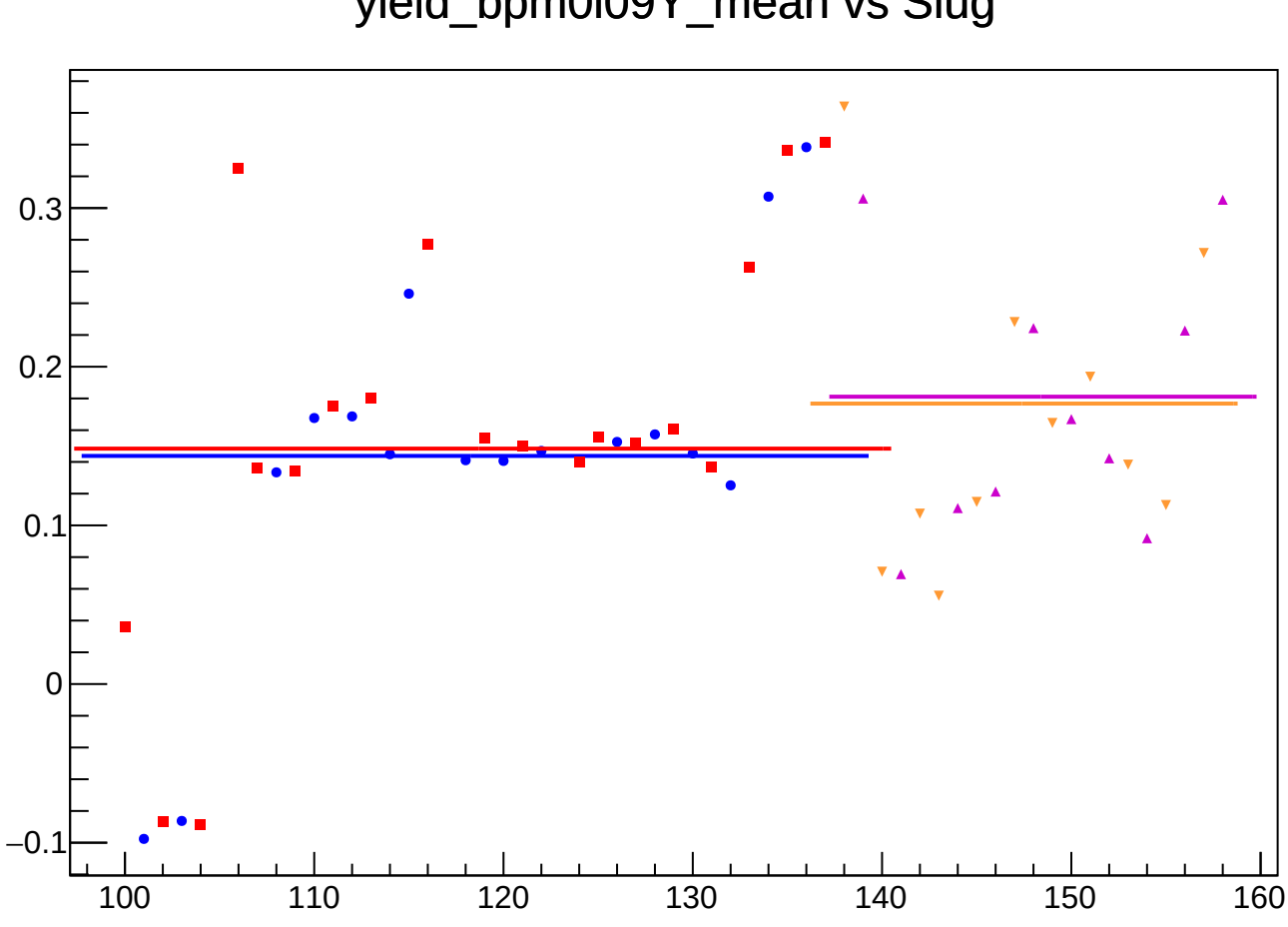
Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.012+/-0.000 χ^2/NDF:51246.8/9

+ sign 0.011+/-0.000 χ^2/NDF: 253837.3/26

All: 0.011+/-0.000 χ^2/NDF: 554044.1/55

- sign 0.011+/-0.000 χ^2/NDF: 292792.9/28



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.177+/-0.000 χ^2/NDF:5285137955.9/10

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

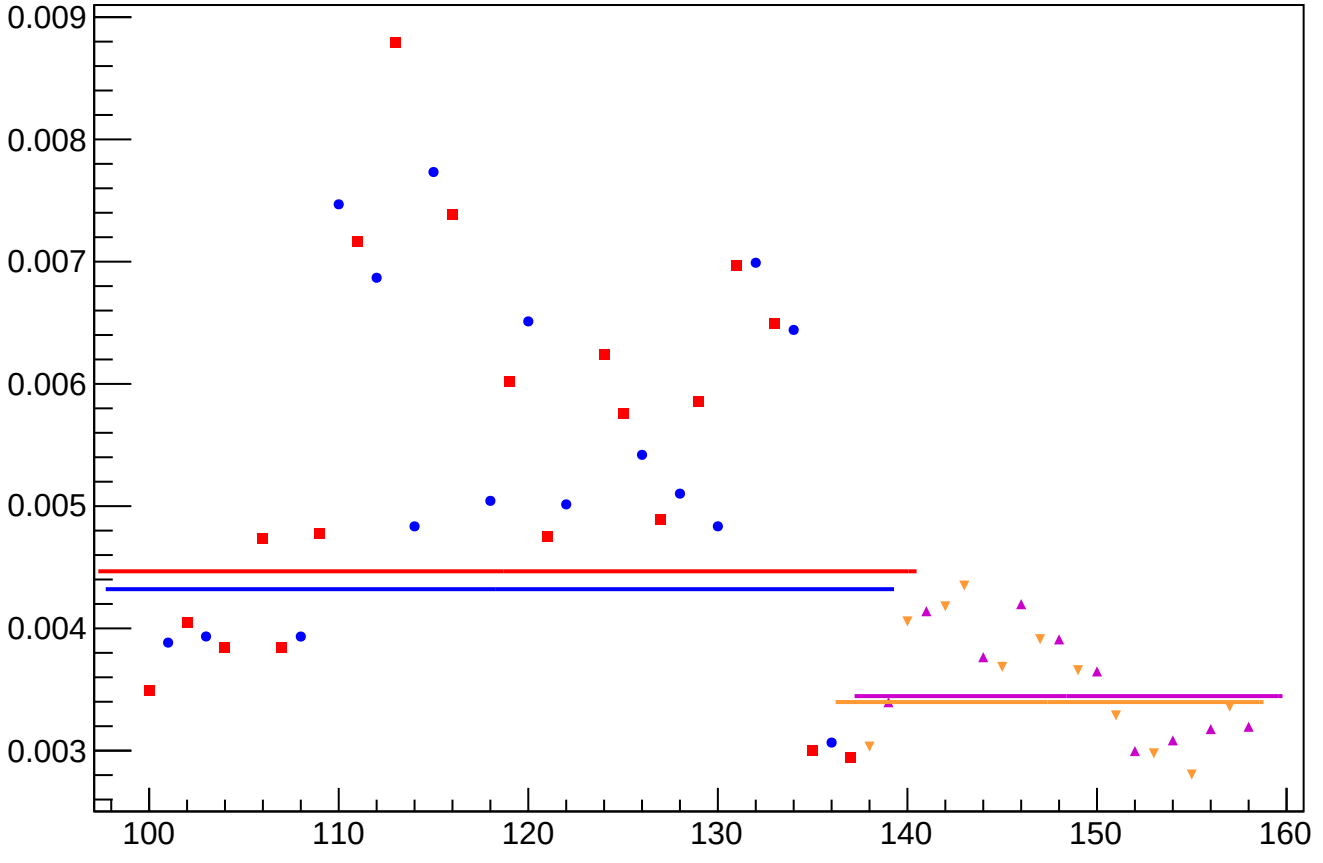
Left In: 0.181+/-0.000 χ^2/NDF:4358537488.7/9

+ sign 0.166+/-0.000 χ^2/NDF: 13381202226.6/26

All: 0.169+/-0.000 χ^2/NDF: 25097806497.2/5

- sign 0.171+/-0.000 χ^2/NDF: 11706683299.8/28

yield_bpm0l09Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 878343.4/15

Left Out: 0.003+/-0.000 χ^2/NDF:298618.4/10

Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

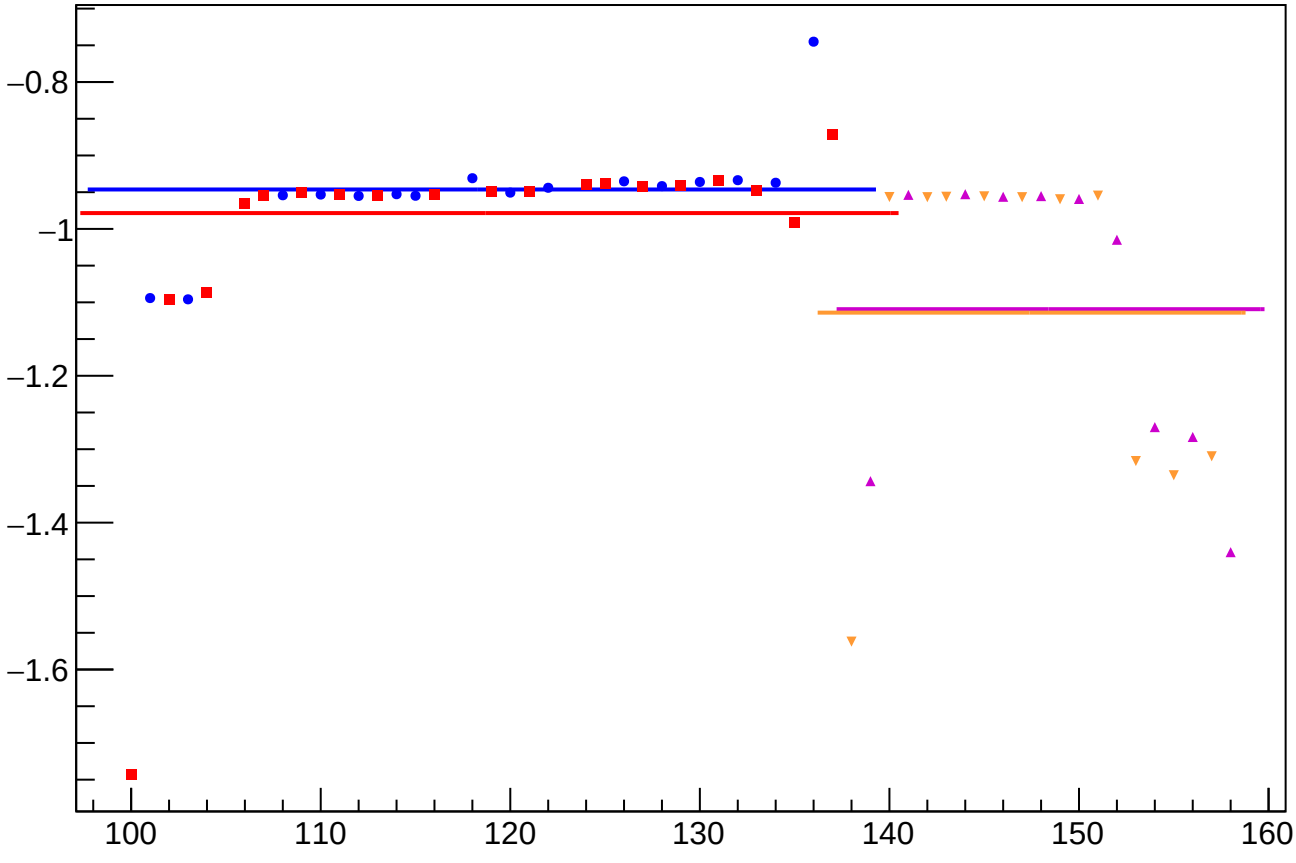
Left In: 0.003+/-0.000 χ^2/NDF:209656.0/9

+ sign 0.004+/-0.000 χ^2/NDF: 1535528.9/26

All: 0.004+/-0.000 χ^2/NDF: 3263608.8/55

- sign 0.004+/-0.000 χ^2/NDF: 1722491.7/28

yield_bpm0l10X_mean vs Slug



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.114+/-0.000 χ^2/NDF:3197646835.0/10

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

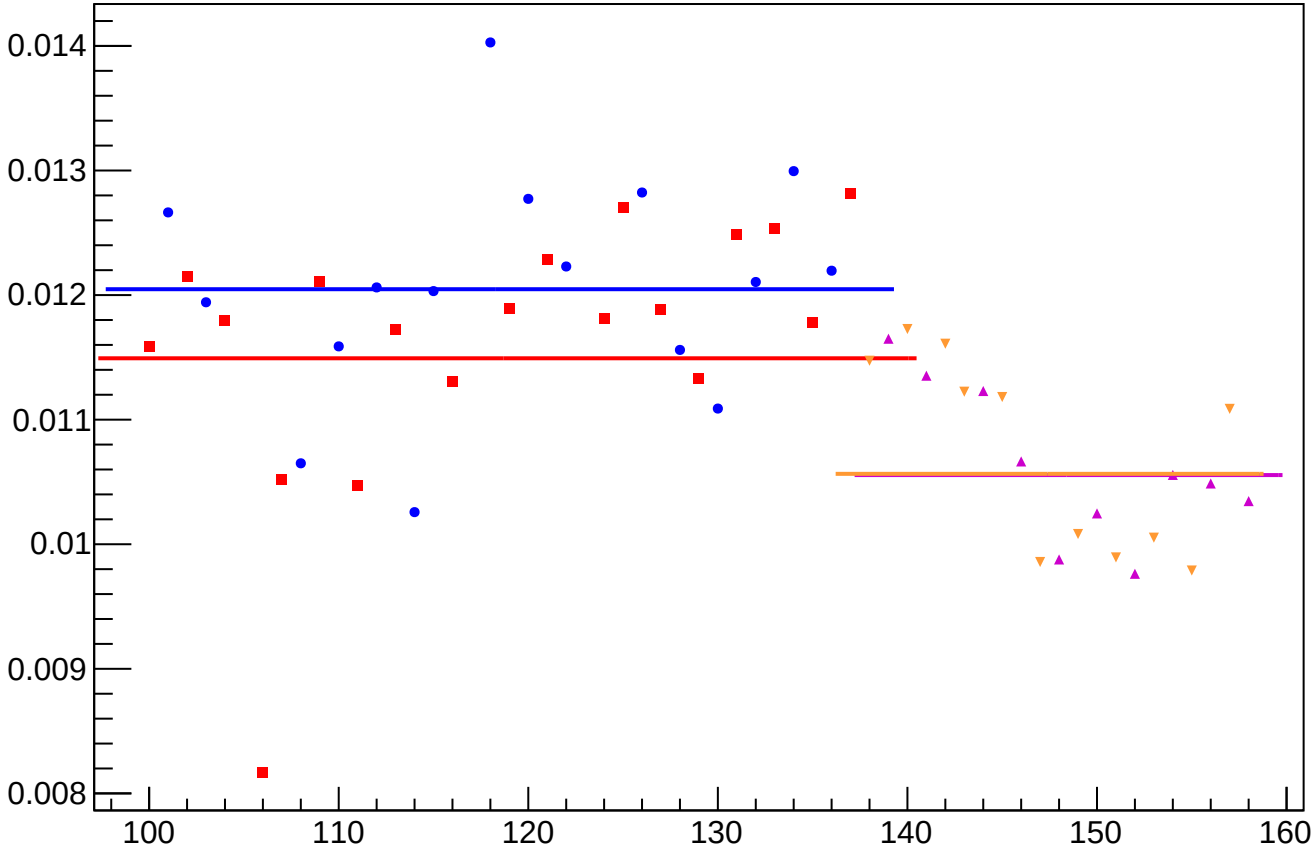
Left In: -1.109+/-0.000 χ^2/NDF:2567284198.1/9

+ sign -1.048+/-0.000 χ^2/NDF: 4412090542.0/26

All: -1.051+/-0.000 χ^2/NDF: 7979729823.3/5

- sign -1.054+/-0.000 χ^2/NDF: 3565516763.5/28

yield_bpm0l10X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 62476.3/15

Left Out: 0.011+/-0.000 χ^2/NDF:78057.4/10

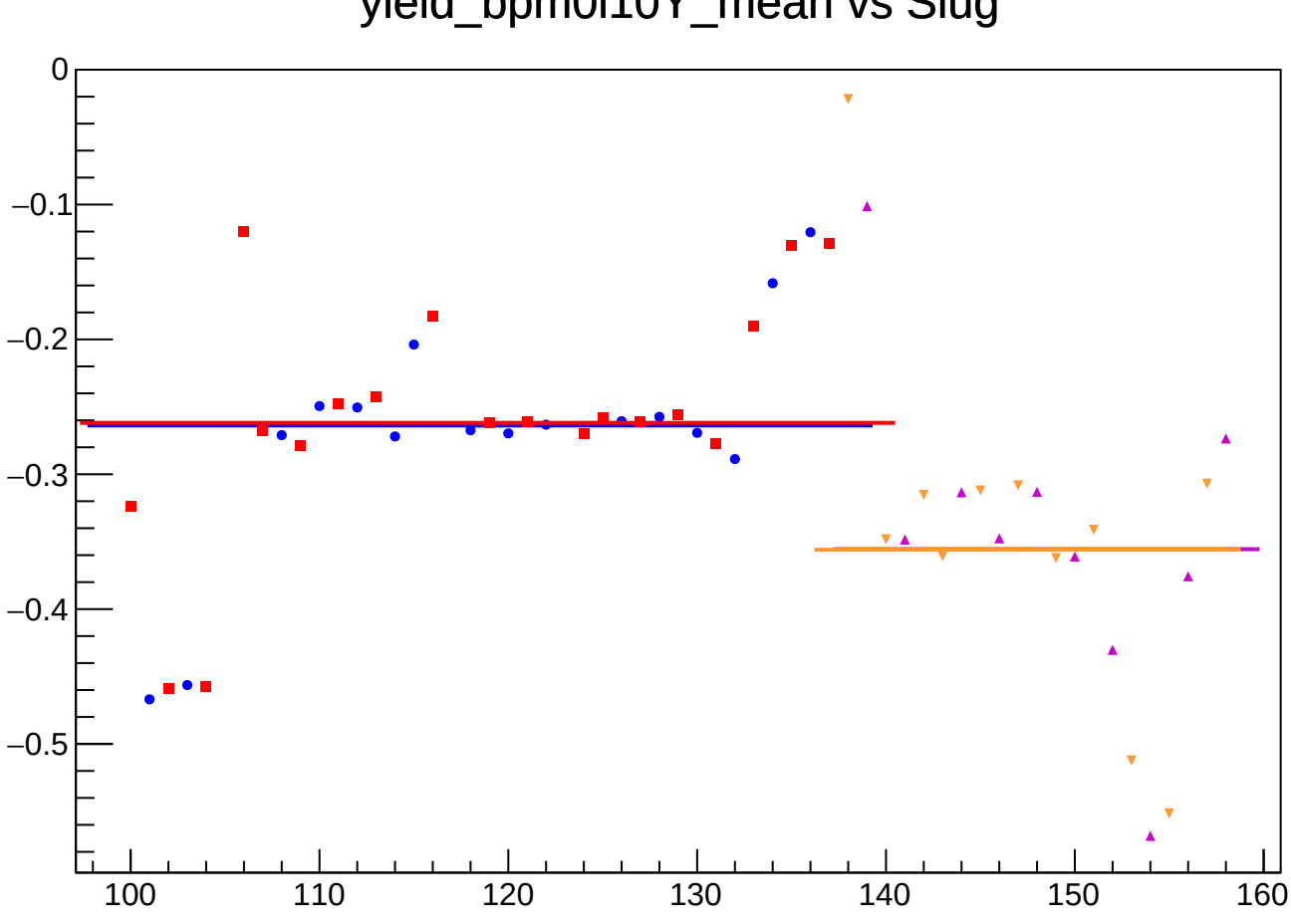
Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.011+/-0.000 χ^2/NDF:49800.1/9

+ sign 0.011+/-0.000 χ^2/NDF: 267040.2/26

All: 0.011+/-0.000 χ^2/NDF: 528028.9/55

- sign 0.011+/-0.000 χ^2/NDF: 256233.3/28



Right In: -0.264+/-0.000 χ^2/NDF: 6106171444.3/15

Left Out: -0.356+/-0.000 χ^2/NDF:11123882438.9/10

Right Out: -0.262+/-0.000 χ^2/NDF: 5250043427.3/18

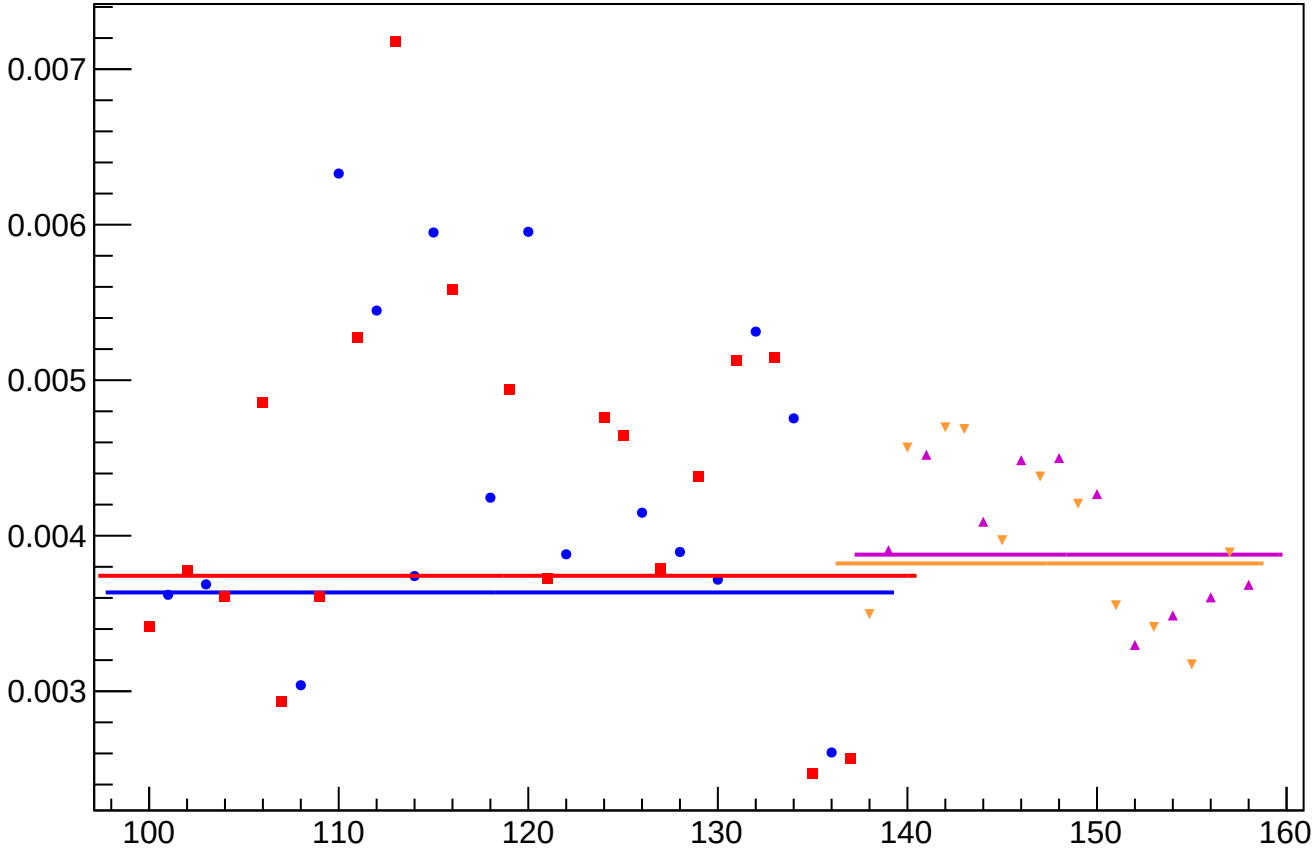
Left In: -0.356+/-0.000 χ^2/NDF:7211998730.4/9

+ sign -0.314+/-0.000 χ^2/NDF: 19242880364.0/26

All: -0.313+/-0.000 χ^2/NDF: 33749219731.2/

- sign -0.313+/-0.000 χ^2/NDF: 14505657290.9/28

yield_bpm0l10Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 728598.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:256844.6/10

Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

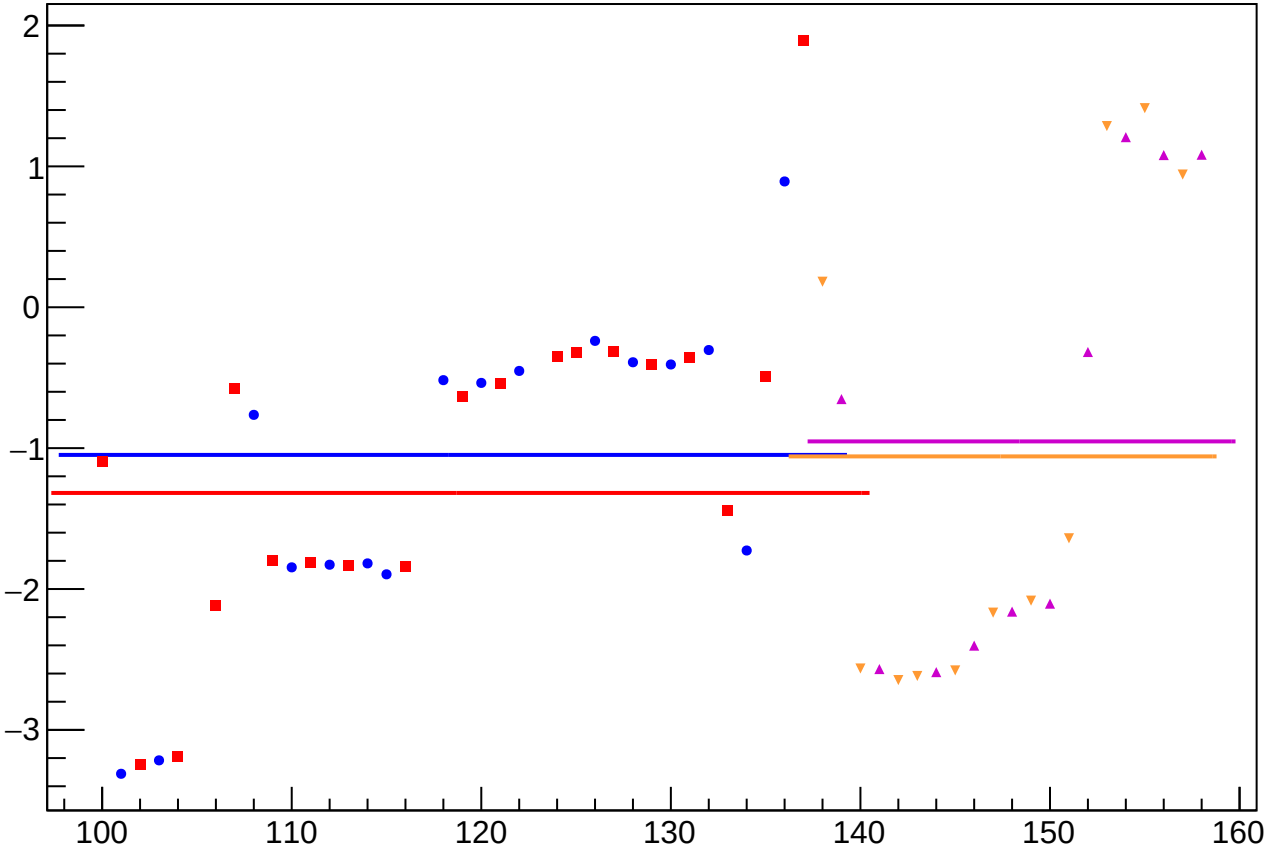
Left In: 0.004+/-0.000 χ^2/NDF:185531.4/9

+ sign 0.004+/-0.000 χ^2/NDF: 1001947.9/26

All: 0.004+/-0.000 χ^2/NDF: 2096270.1/55

- sign 0.004+/-0.000 χ^2/NDF: 1088326.5/28

yield_bpm0r03X_mean vs Slug



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -1.059+/-0.000 χ^2/NDF:4008800456.9/10

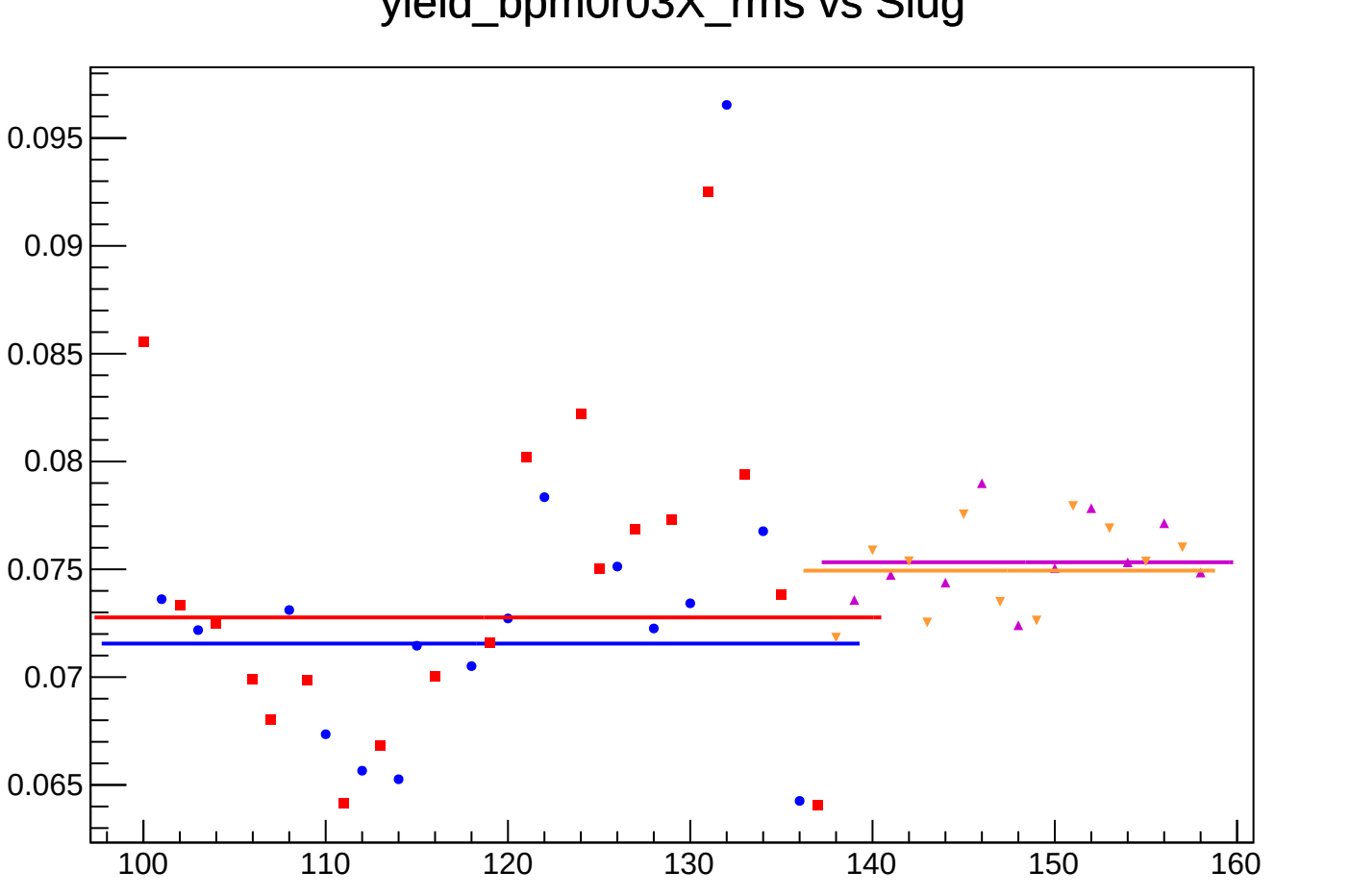
Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

Left In: -0.952+/-0.000 χ^2/NDF:3537208731.1/9

+ sign -1.054+/-0.000 χ^2/NDF: 6355902187.0/26

All: -1.090+/-0.000 χ^2/NDF: 11844662070.4/

- sign -1.127+/-0.000 χ^2/NDF: 5480994135.6/28



Right In: 0.072+/-0.000 χ^2/NDF: 101238.7/15

Left Out: 0.075+/-0.000 χ^2/NDF:12882.9/10

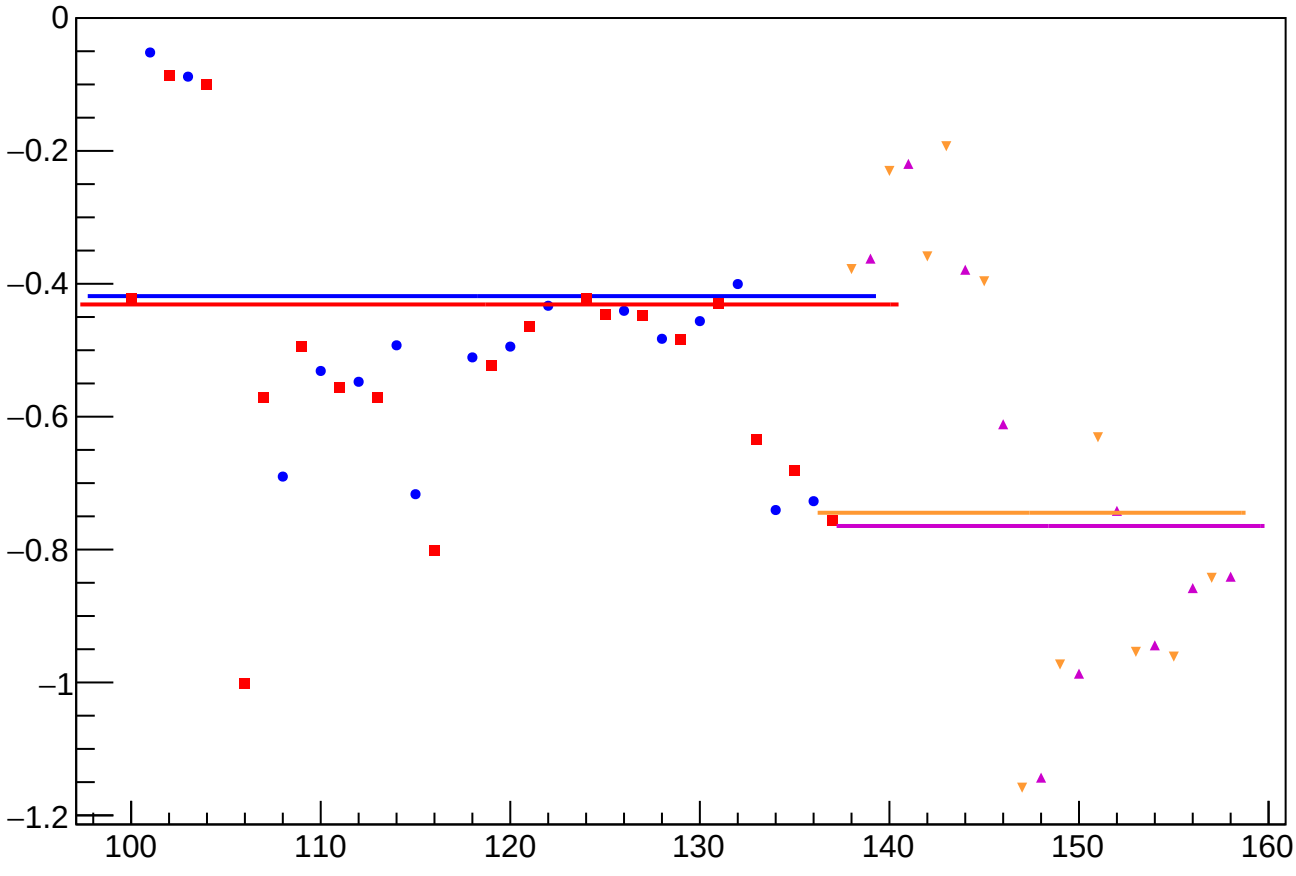
Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.075+/-0.000 χ^2/NDF:10292.8/9

+ sign 0.073+/-0.000 χ^2/NDF: 130573.7/26

All: 0.074+/-0.000 χ^2/NDF: 248825.5/55

- sign 0.074+/-0.000 χ^2/NDF: 116536.0/28



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.745+/-0.000 χ^2/NDF:12973673709.2/10

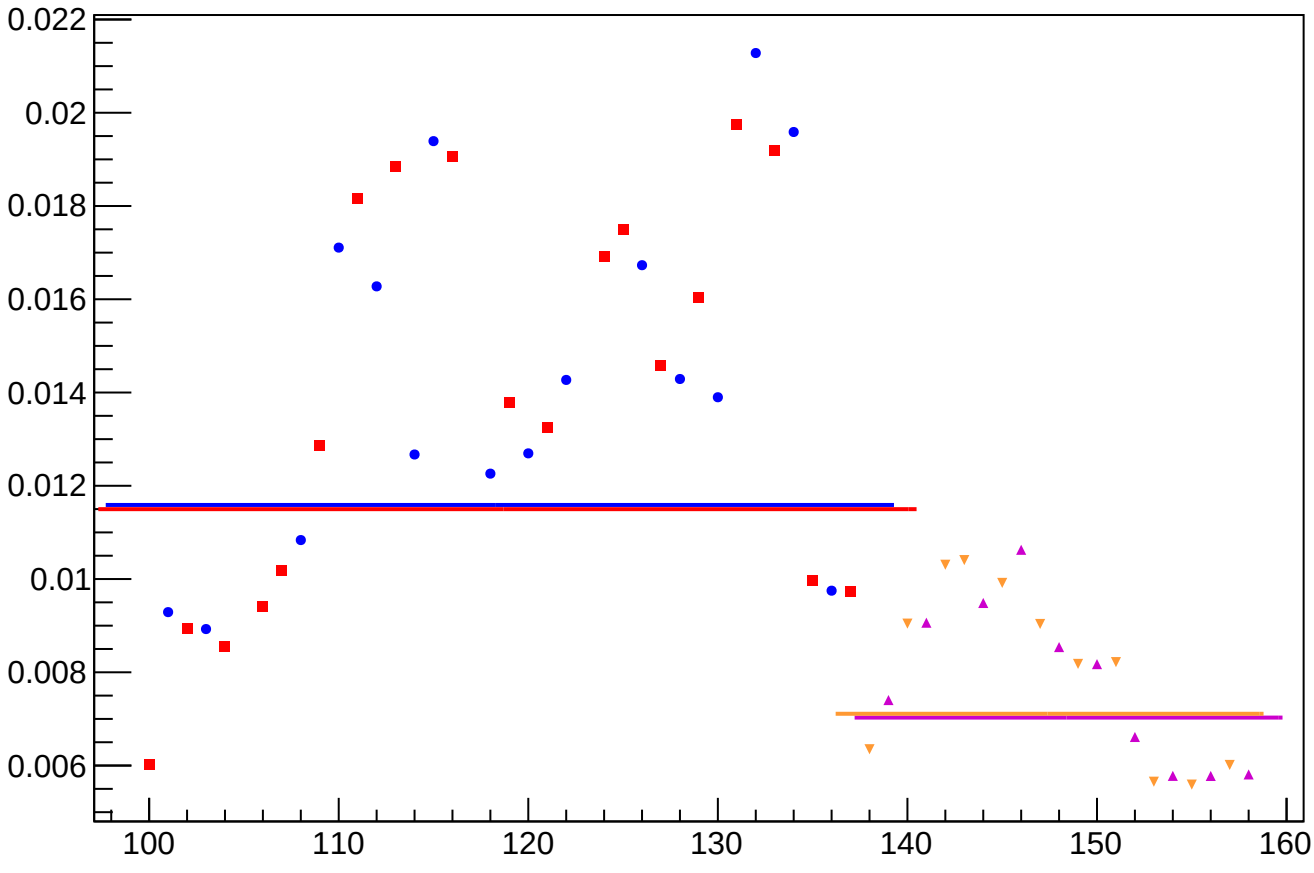
Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

Left In: -0.764+/-0.000 χ^2/NDF:9953486517.5/9

+ sign -0.670+/-0.000 χ^2/NDF: 19686487563.0/26

All: -0.680+/-0.000 χ^2/NDF: 36785371200.2/

- sign -0.689+/-0.000 χ^2/NDF: 17062245916.4/28



Right In: 0.012+/-0.000 χ^2/NDF: 786260.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:825109.9/10

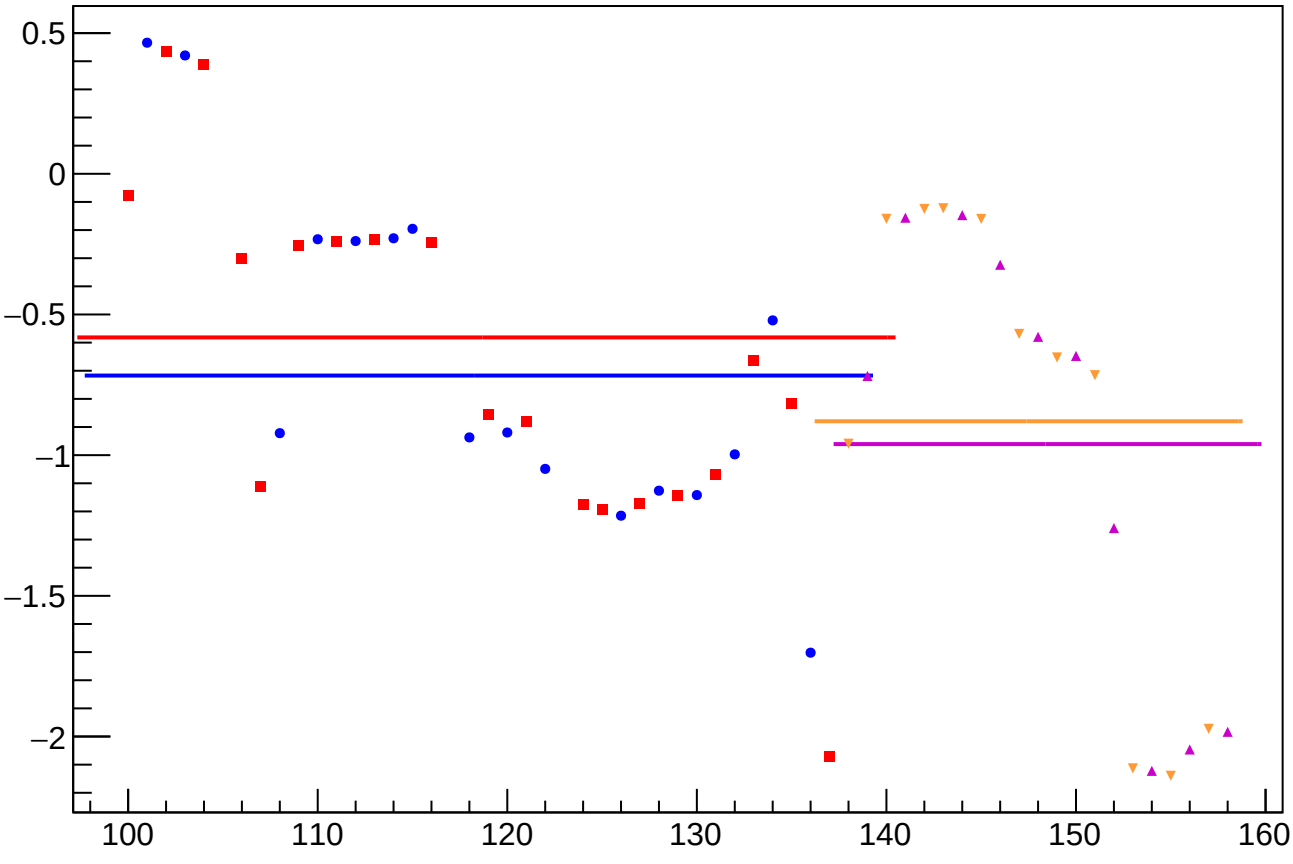
Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

Left In: 0.007+/-0.000 χ^2/NDF:681394.9/9

+ sign 0.008+/-0.000 χ^2/NDF: 2984932.5/26

All: 0.008+/-0.000 χ^2/NDF: 6239321.4/55

- sign 0.008+/-0.000 χ^2/NDF: 3252505.8/28



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -0.880+/-0.000 χ^2/NDF:697667900.7/10

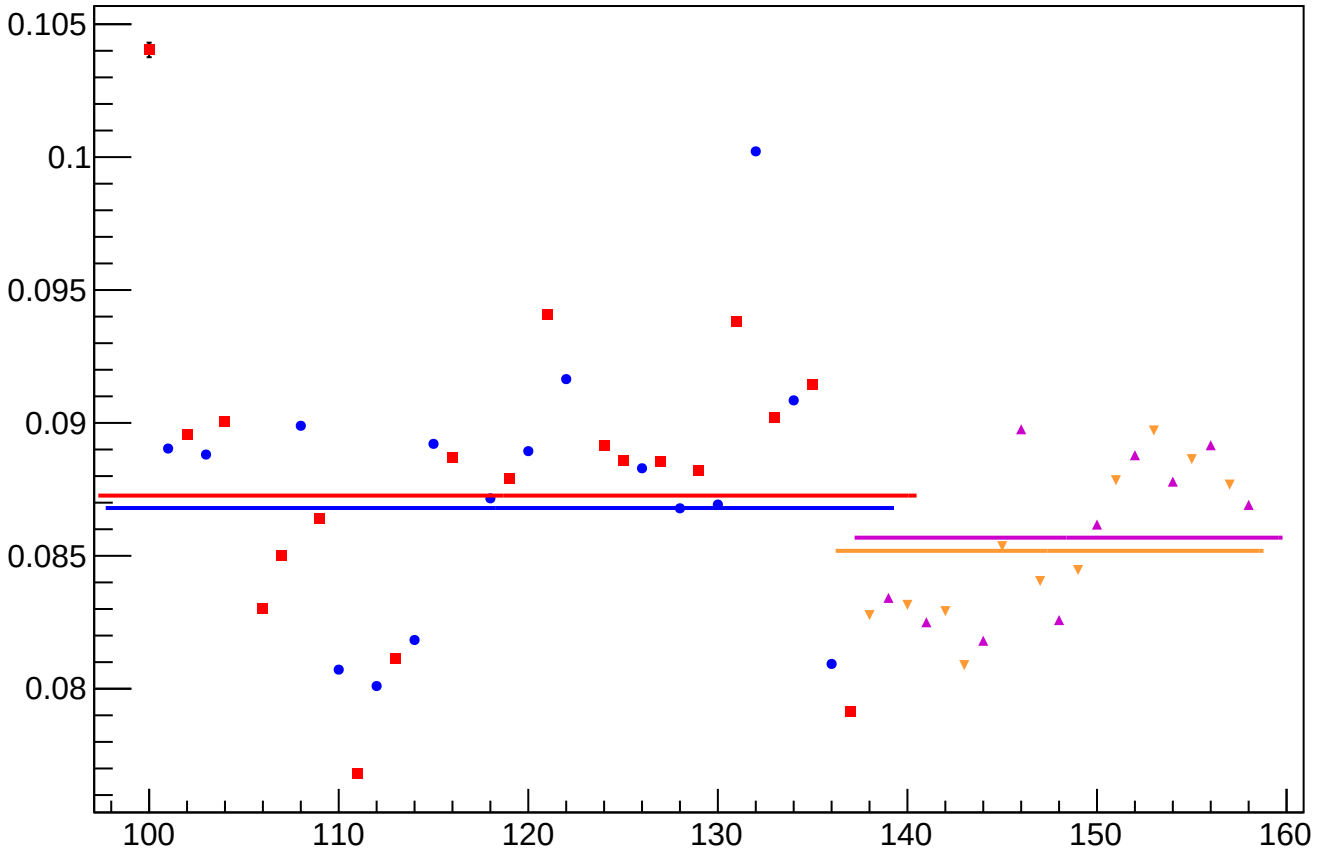
Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

Left In: -0.961+/-0.000 χ^2/NDF:657247158.5/9

+ sign -0.807+/-0.000 χ^2/NDF: 1149036223.0/26

All: -0.798+/-0.000 χ^2/NDF: 2225406772.9/5

- sign -0.788+/-0.000 χ^2/NDF: 1075992121.4/28



Right In: 0.087+/-0.000 χ^2/NDF: 43575.8/15

Left Out: 0.085+/-0.000 χ^2/NDF:17489.8/10

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

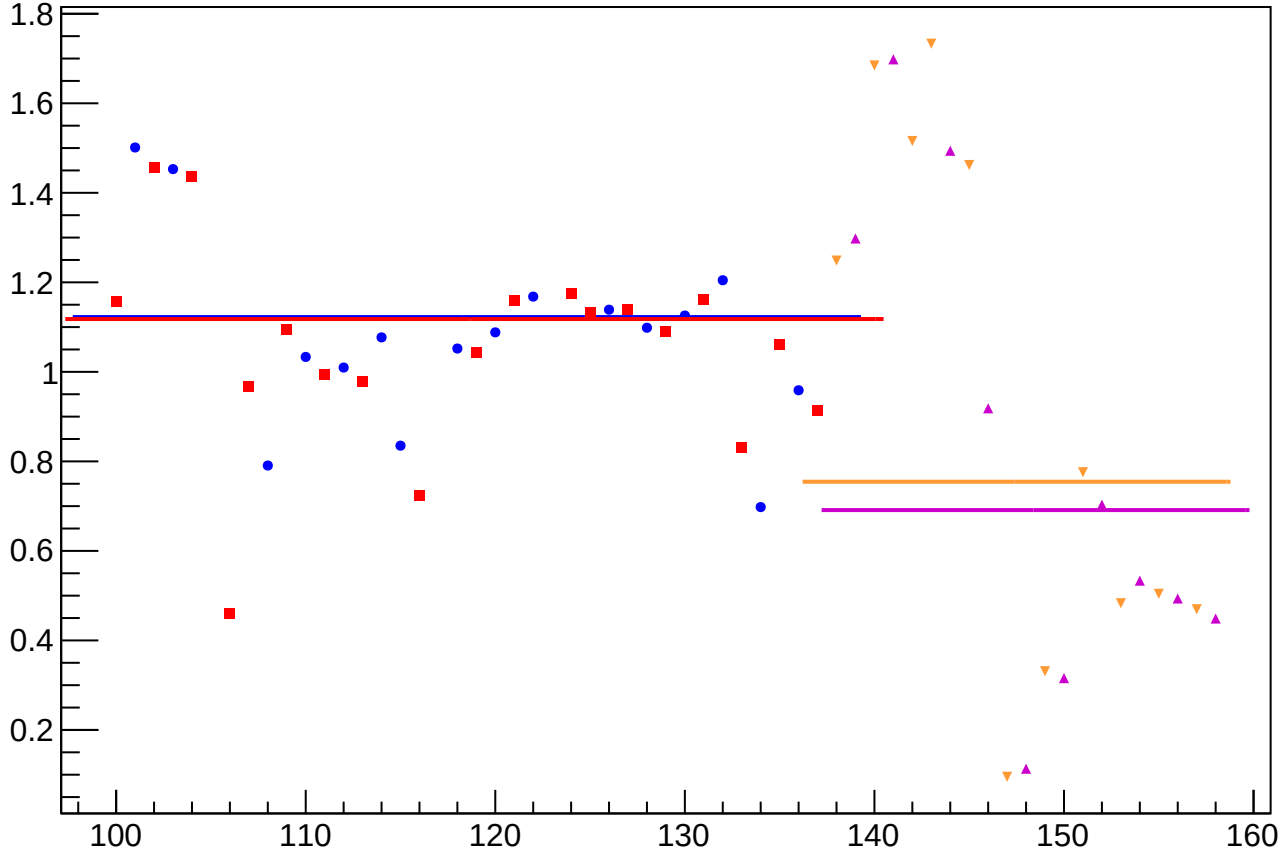
Left In: 0.086+/-0.000 χ^2/NDF:19786.2/9

+ sign 0.086+/-0.000 χ^2/NDF: 63806.9/26

All: 0.086+/-0.000 χ^2/NDF: 132961.0/55

- sign 0.086+/-0.000 χ^2/NDF: 68622.5/28

yield_bpm0r05Y_mean vs Slug



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 0.755+/-0.000 χ^2/NDF:25123179069.6/10

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

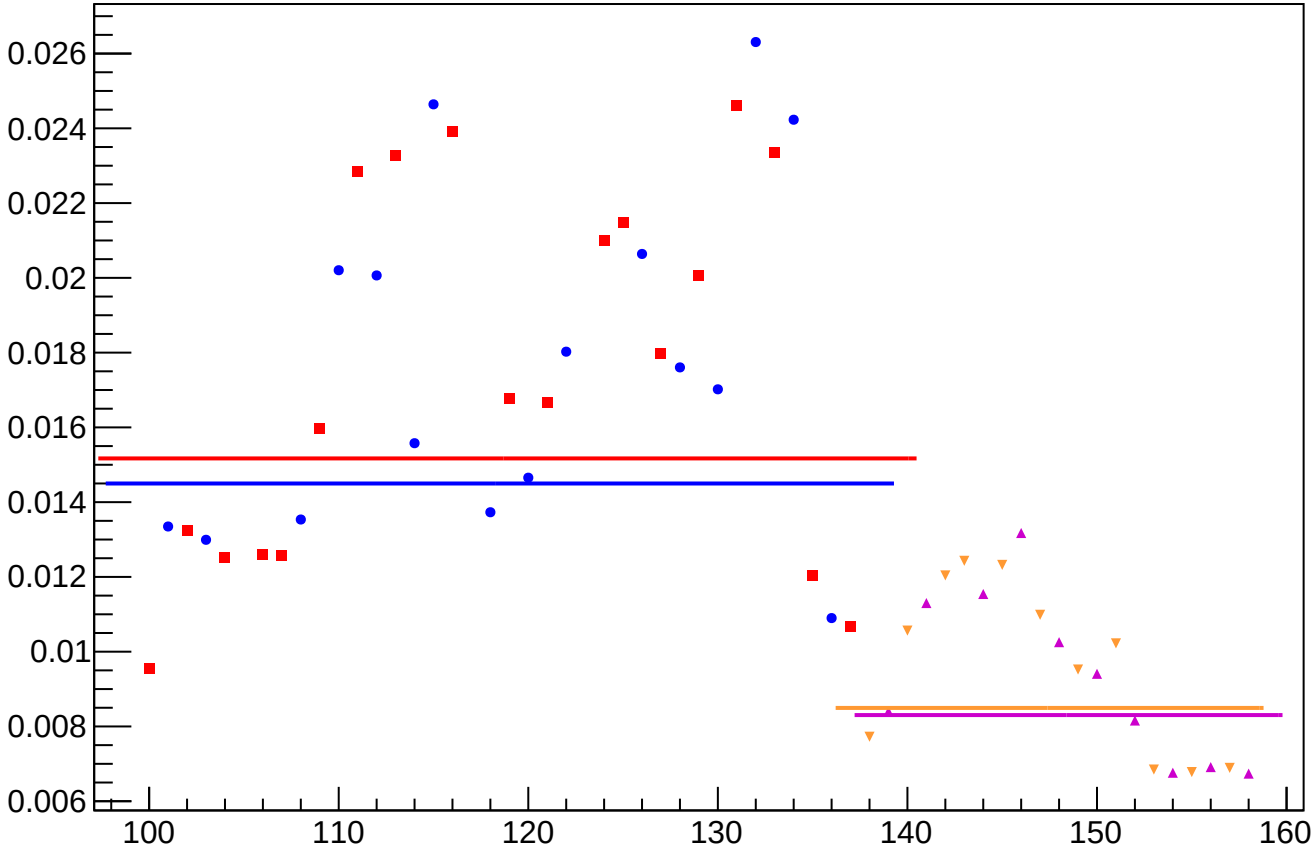
Left In: 0.691+/-0.000 χ^2/NDF:20639281889.5/9

+ sign 0.832+/-0.000 χ^2/NDF: 29612920449.4/26

All: 0.802+/-0.000 χ^2/NDF: 55987728308.0/5

- sign 0.773+/-0.000 χ^2/NDF: 26136558702.2/28

yield_bpm0r05Y_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 710345.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:853162.3/10

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

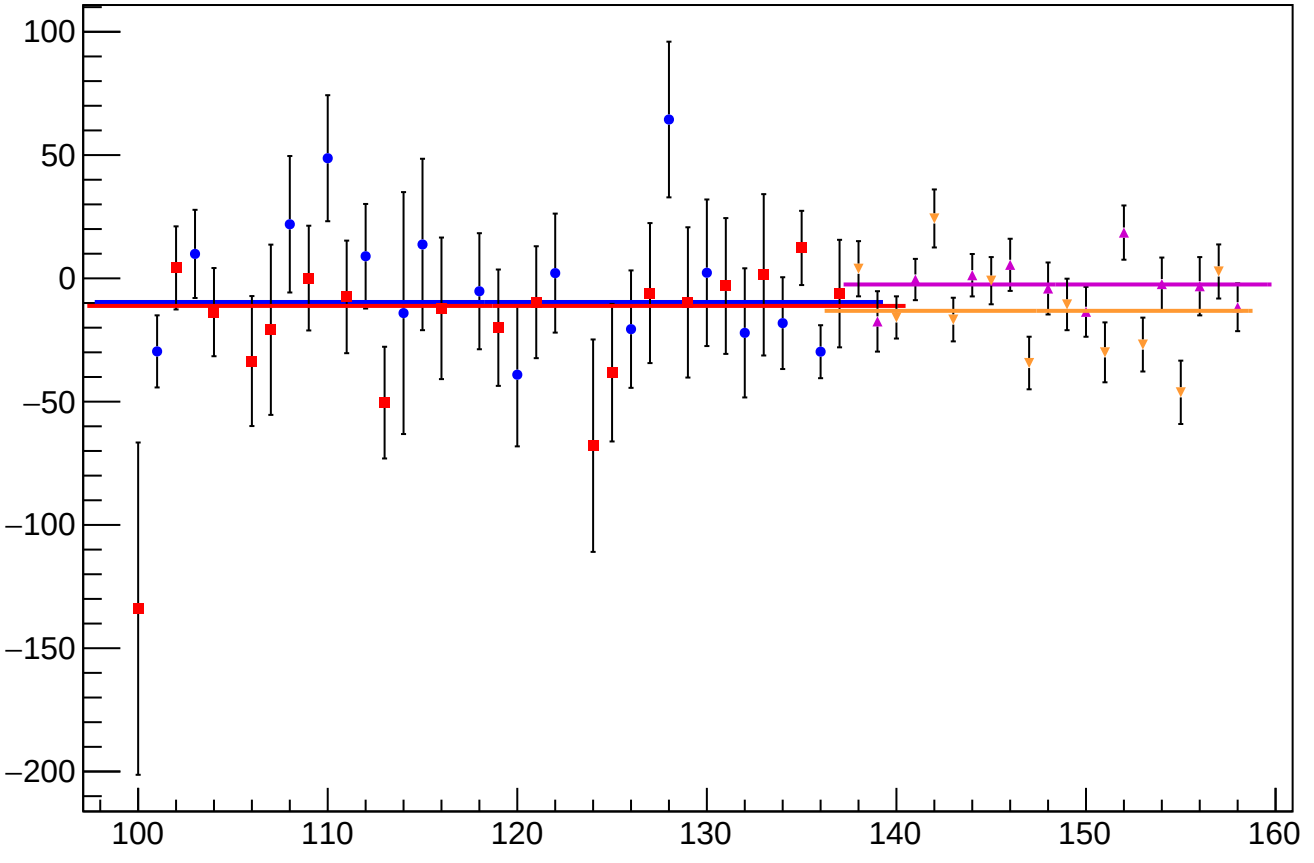
Left In: 0.008+/-0.000 χ^2/NDF:773957.3/9

+ sign 0.010+/-0.000 χ^2/NDF: 3180490.3/26

All: 0.010+/-0.000 χ^2/NDF: 6853571.3/55

- sign 0.010+/-0.000 χ^2/NDF: 3670432.1/28

diff_bpm4aX_mean vs Slug



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -13.170+/-3.162 χ^2/NDF:30.6/10

Right Out: -11.177+/-5.497 χ^2/NDF: 13.9/18

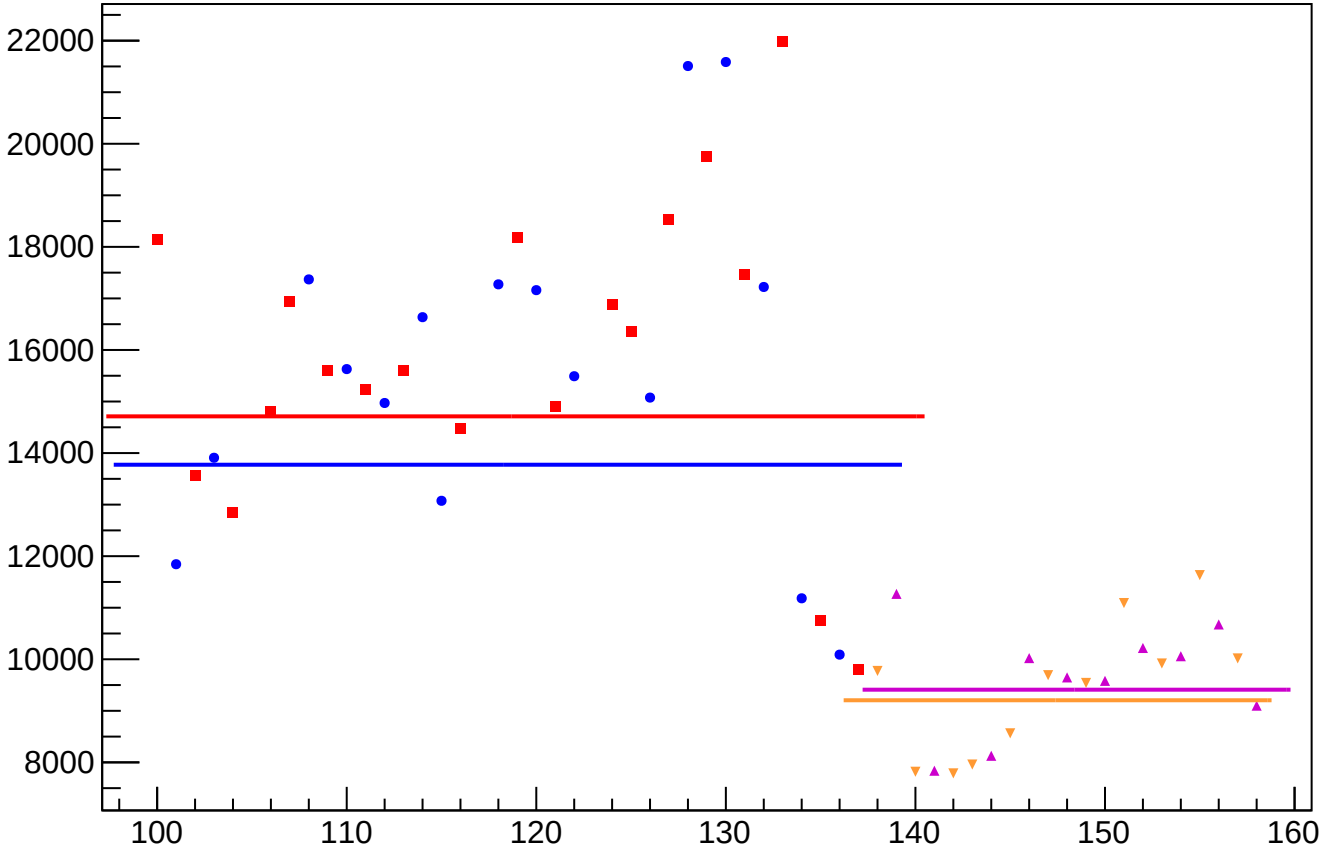
Left In: -2.477+/-3.213 χ^2/NDF:8.1/9

+ sign -12.226+/-2.714 χ^2/NDF: 52.8/26

All: -8.542+/-1.940 χ^2/NDF: 80.4/55

- sign -4.693+/-2.774 χ^2/NDF: 23.8/28

diff_bpm4aX_rms vs Slug



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 9204.843+/-2.236 χ^2/NDF:280713.1/10

Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

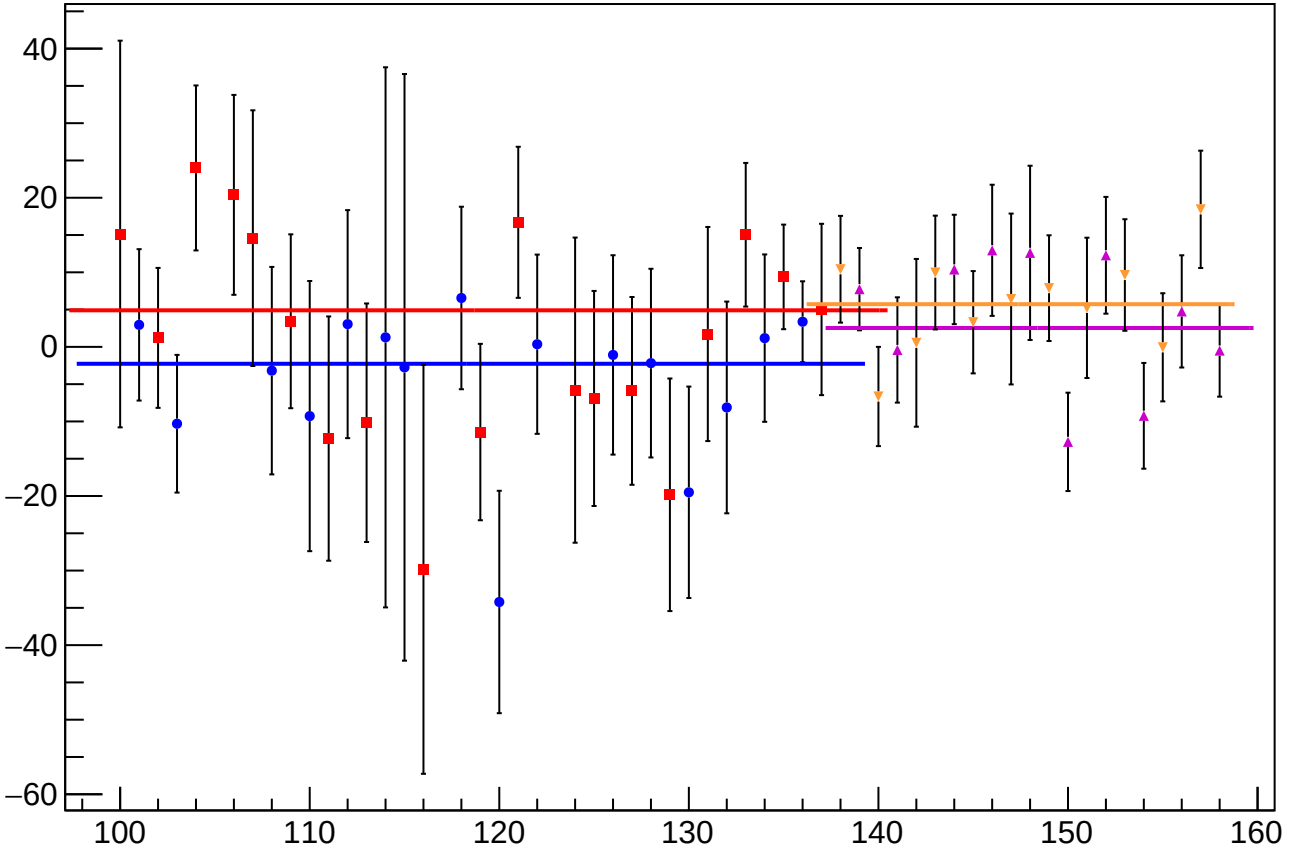
Left In: 9409.910+/-2.272 χ^2/NDF:212373.7/9

+ sign 10407.375+/-1.919 χ^2/NDF: 2127333.8/26

All: 10579.988+/-1.372 χ^2/NDF: 4300373.3/5

- sign 10760.312+/-1.962 χ^2/NDF: 2156500.8/28

diff_bpm4aY_mean vs Slug



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 5.726+/-2.355 χ^2/NDF:8.2/10

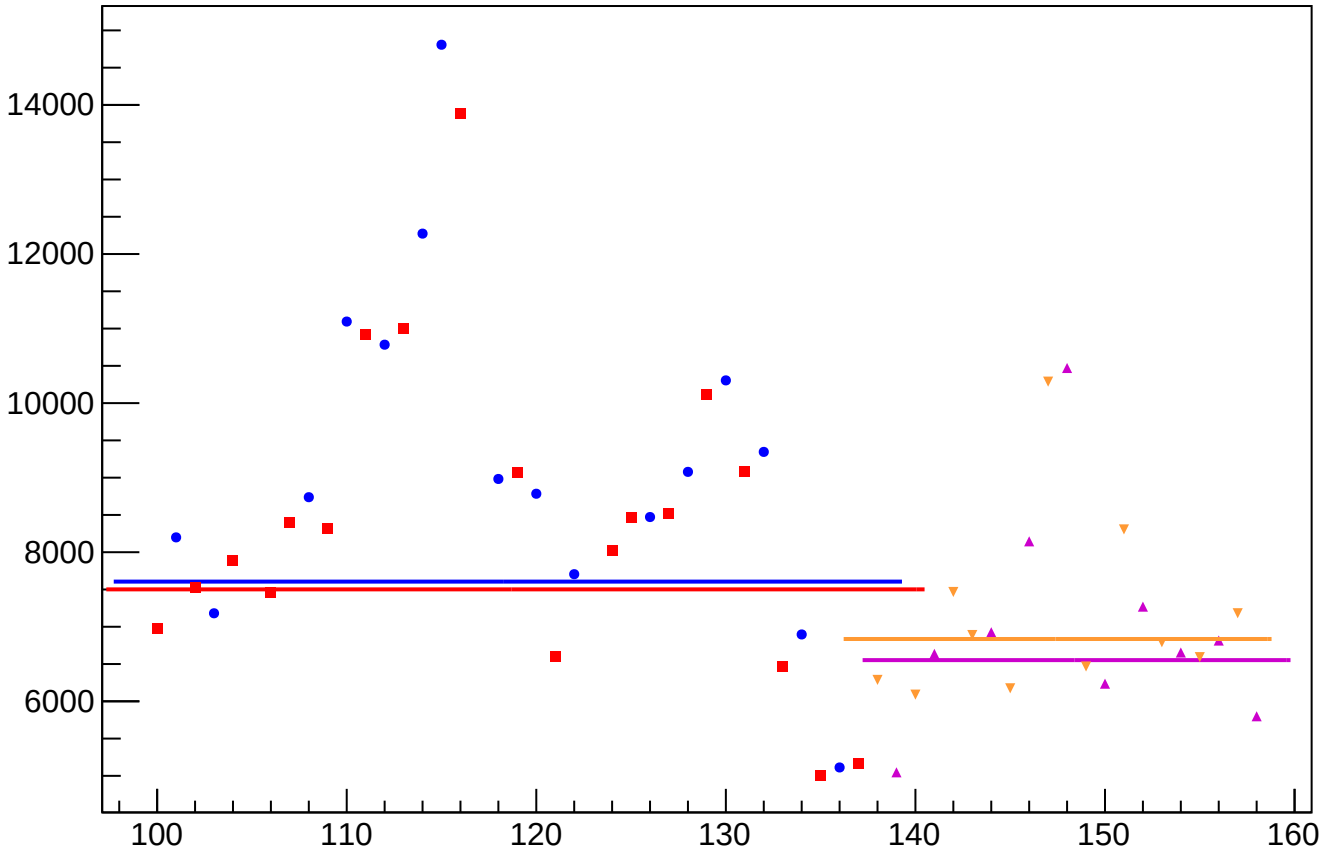
Right Out: 4.904+/-2.836 χ^2/NDF: 17.6/18

Left In: 2.533+/-2.266 χ^2/NDF:14.4/9

+ sign 2.578+/-1.834 χ^2/NDF: 22.0/26

All: 3.033+/-1.274 χ^2/NDF: 54.5/55

- sign 3.457+/-1.770 χ^2/NDF: 32.4/28



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6835.891+/-1.665 χ^2/NDF:303854.1/10

Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

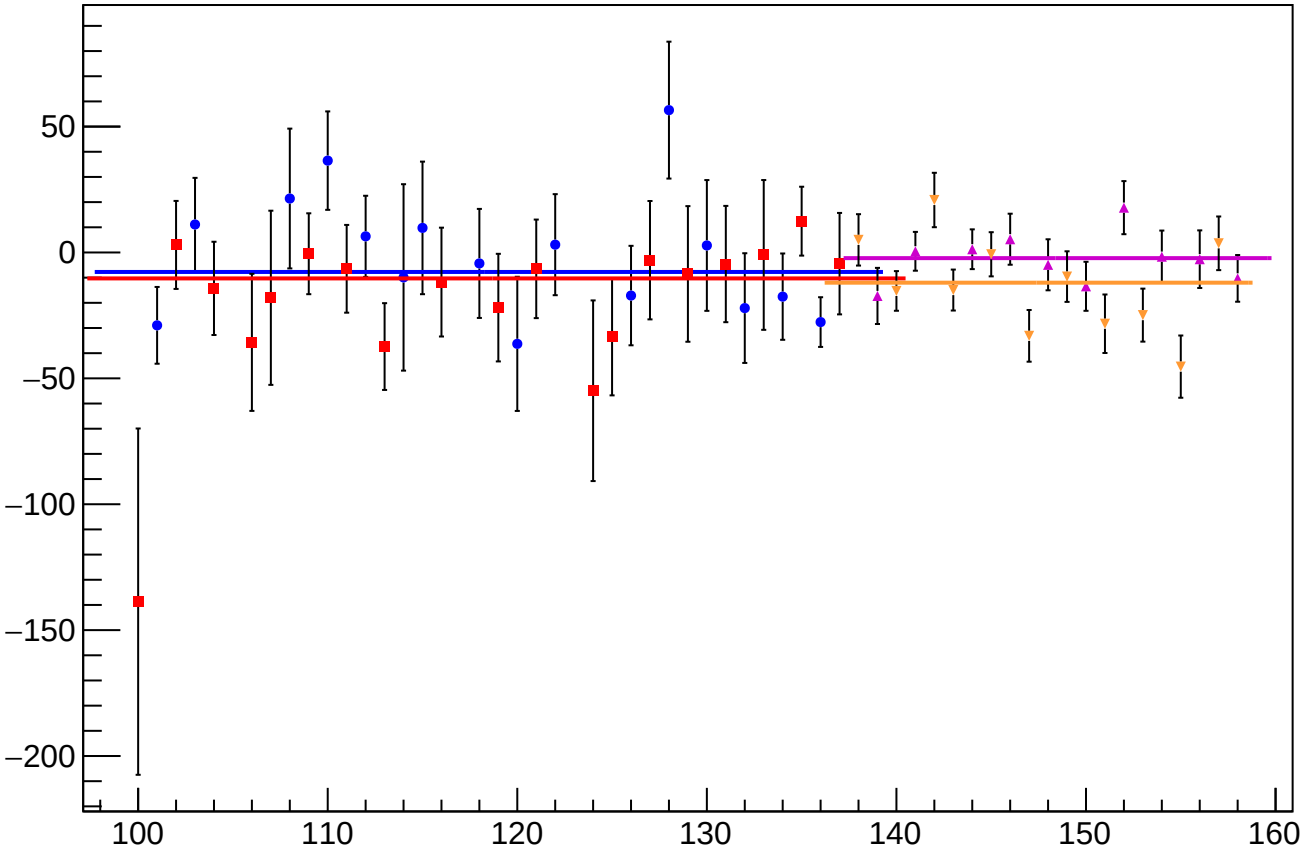
Left In: 6552.503+/-1.602 χ^2/NDF:498750.8/9

+ sign 7139.071+/-1.297 χ^2/NDF: 1279490.3/26

All: 7026.906+/-0.901 χ^2/NDF: 2752938.8/55

- sign 6922.358+/-1.252 χ^2/NDF: 1458991.4/28

diff_bpm4eX_mean vs Slug



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -11.998+/-2.967 χ^2/NDF:31.2/10

Right Out: -10.307+/-4.840 χ^2/NDF: 13.9/18

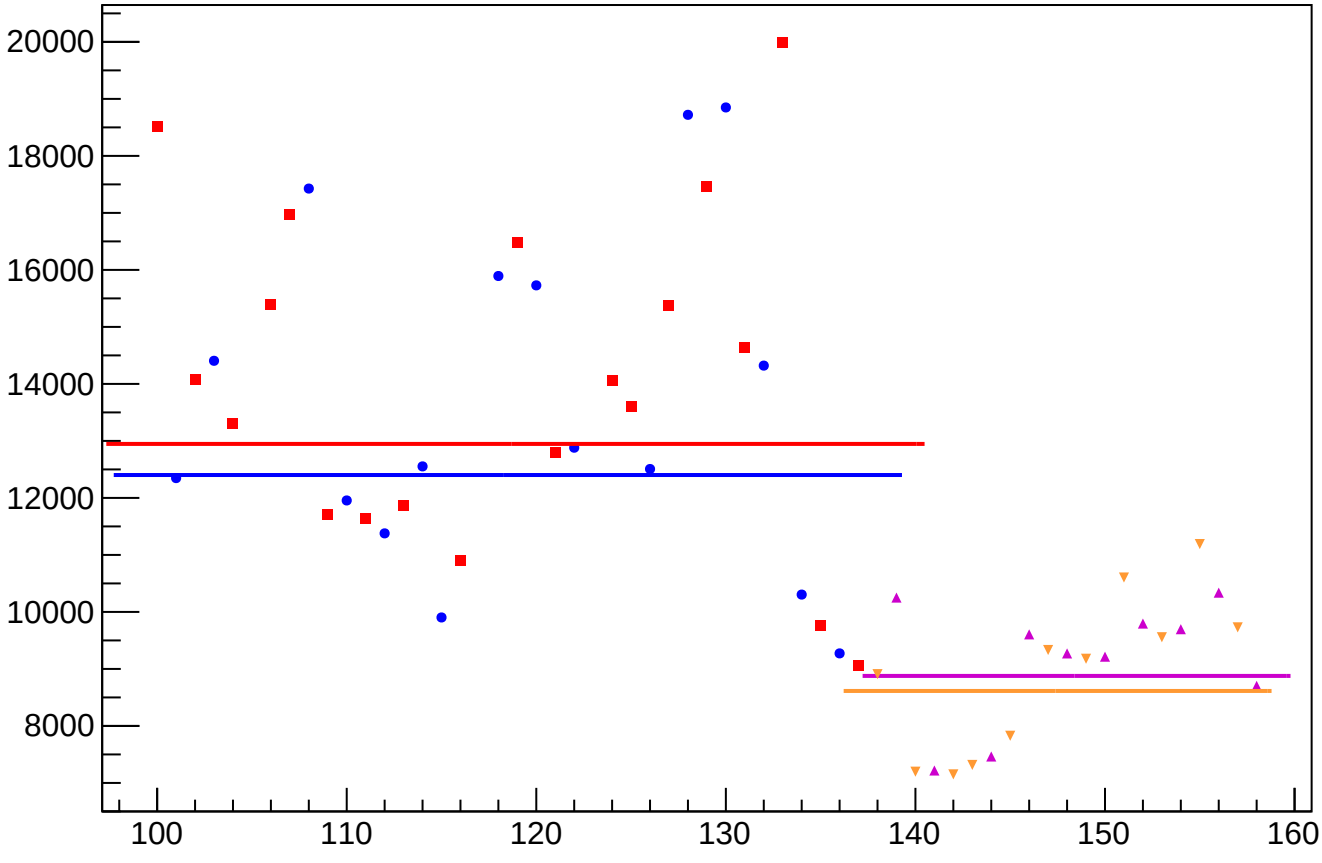
Left In: -2.249+/-3.036 χ^2/NDF:8.5/9

+ sign -10.802+/-2.516 χ^2/NDF: 54.4/26

All: -7.732+/-1.799 χ^2/NDF: 81.8/55

- sign -4.525+/-2.572 χ^2/NDF: 24.3/28

diff_bpm4eX_rms vs Slug



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 8613.595+/-2.098 χ^2/NDF:369680.4/10

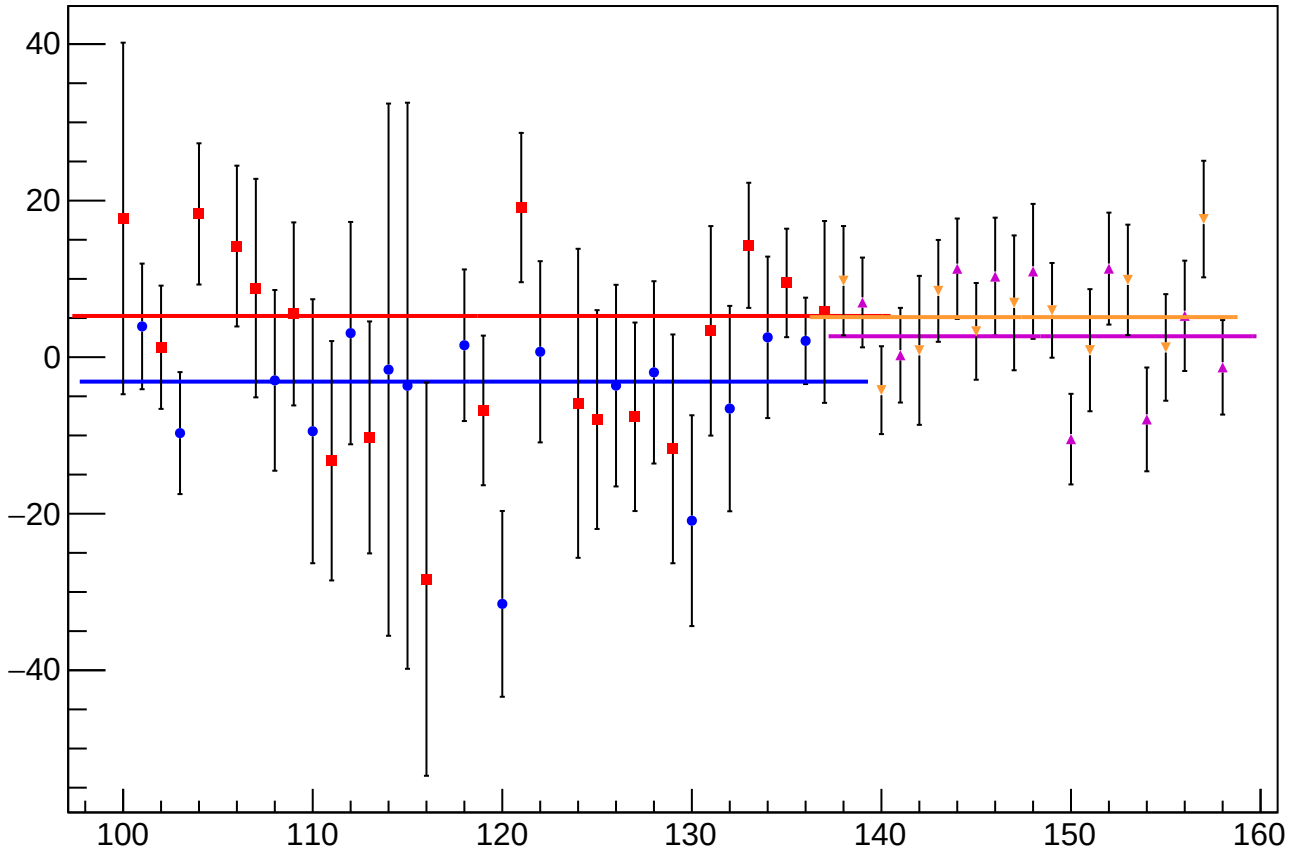
Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

Left In: 8877.458+/-2.147 χ^2/NDF:263870.9/9

+ sign 9677.493+/-1.779 χ^2/NDF: 1963494.5/26

All: 9848.282+/-1.272 χ^2/NDF: 3816318.5/55

- sign 10026.690+/-1.819 χ^2/NDF: 1833985.6/28



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 5.118+/-2.085 χ^2/NDF:7.7/10

Right Out: 5.265+/-2.553 χ^2/NDF: 16.9/18

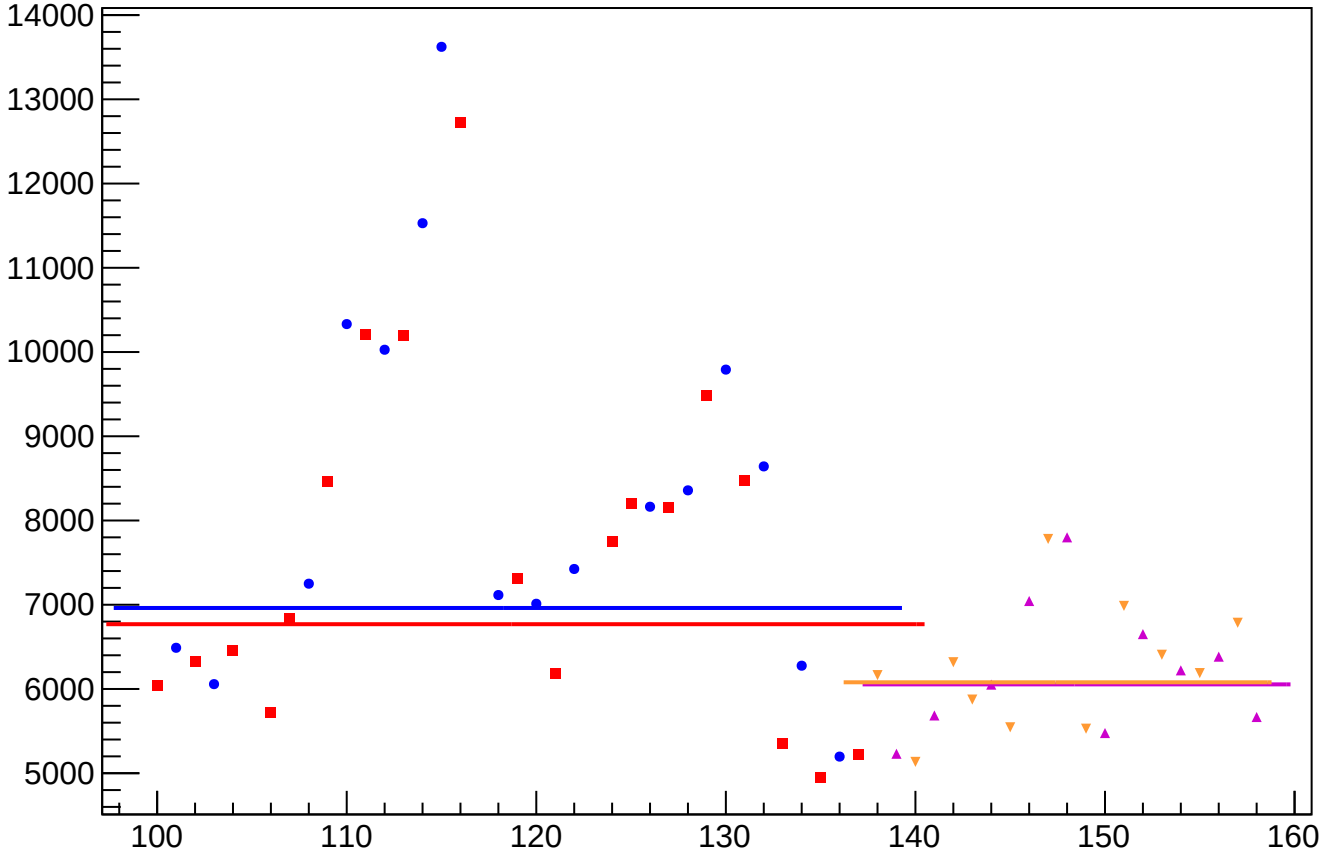
Left In: 2.671+/-2.072 χ^2/NDF:14.2/9

+ sign 1.975+/-1.640 χ^2/NDF: 24.6/26

All: 2.855+/-1.149 χ^2/NDF: 56.9/55

- sign 3.701+/-1.609 χ^2/NDF: 31.8/28

diff_bpm4eY_rms vs Slug



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 6079.364+/-1.475 χ^2/NDF:219663.9/10

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

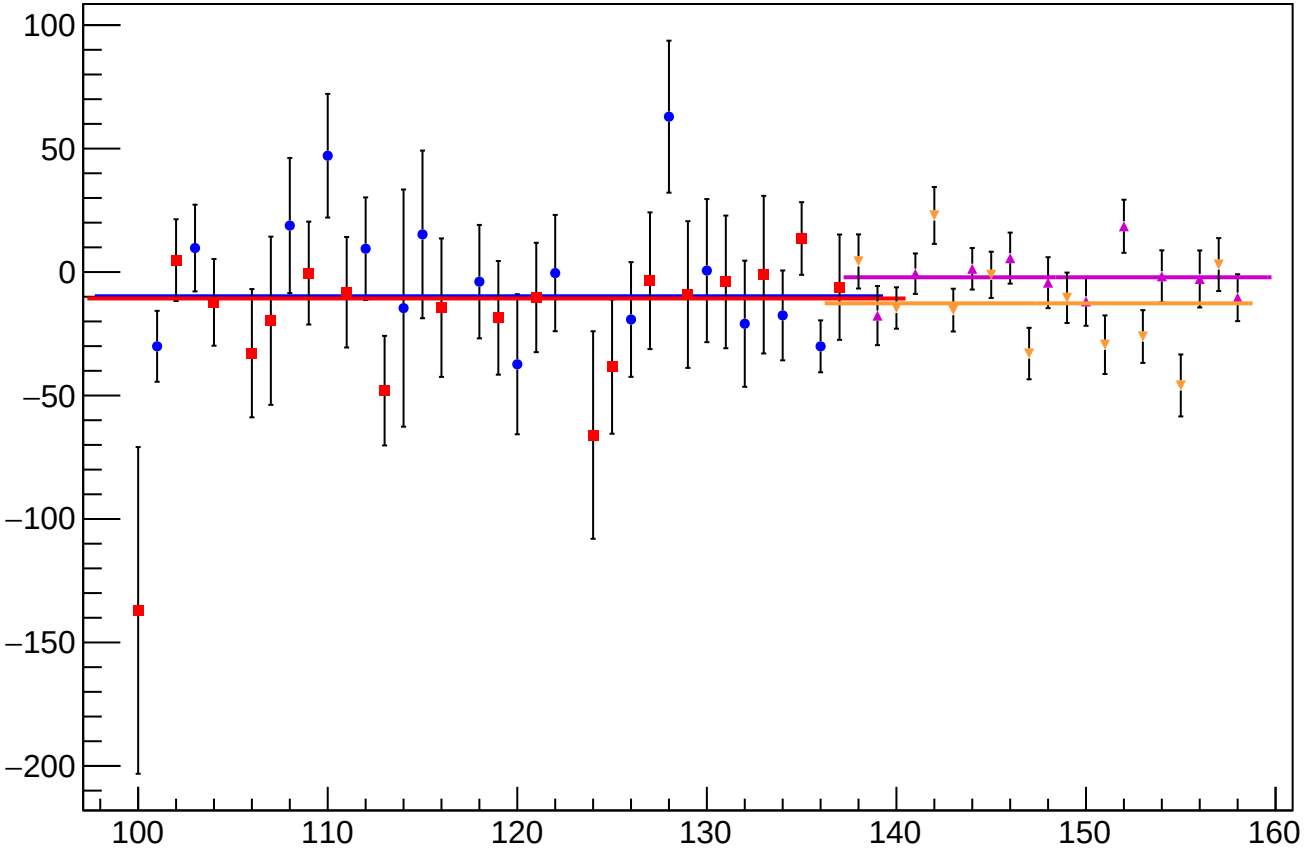
Left In: 6054.579+/-1.465 χ^2/NDF:213022.6/9

+ sign 6415.863+/-1.160 χ^2/NDF: 1052613.8/26

All: 6376.345+/-0.812 χ^2/NDF: 2160429.4/55

- sign 6338.314+/-1.138 χ^2/NDF: 1105537.0/28

diff_bpm4acX_mean vs Slug



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -12.662+/-3.092 χ^2/NDF:30.2/10

Right Out: -10.703+/-5.381 χ^2/NDF: 14.3/18

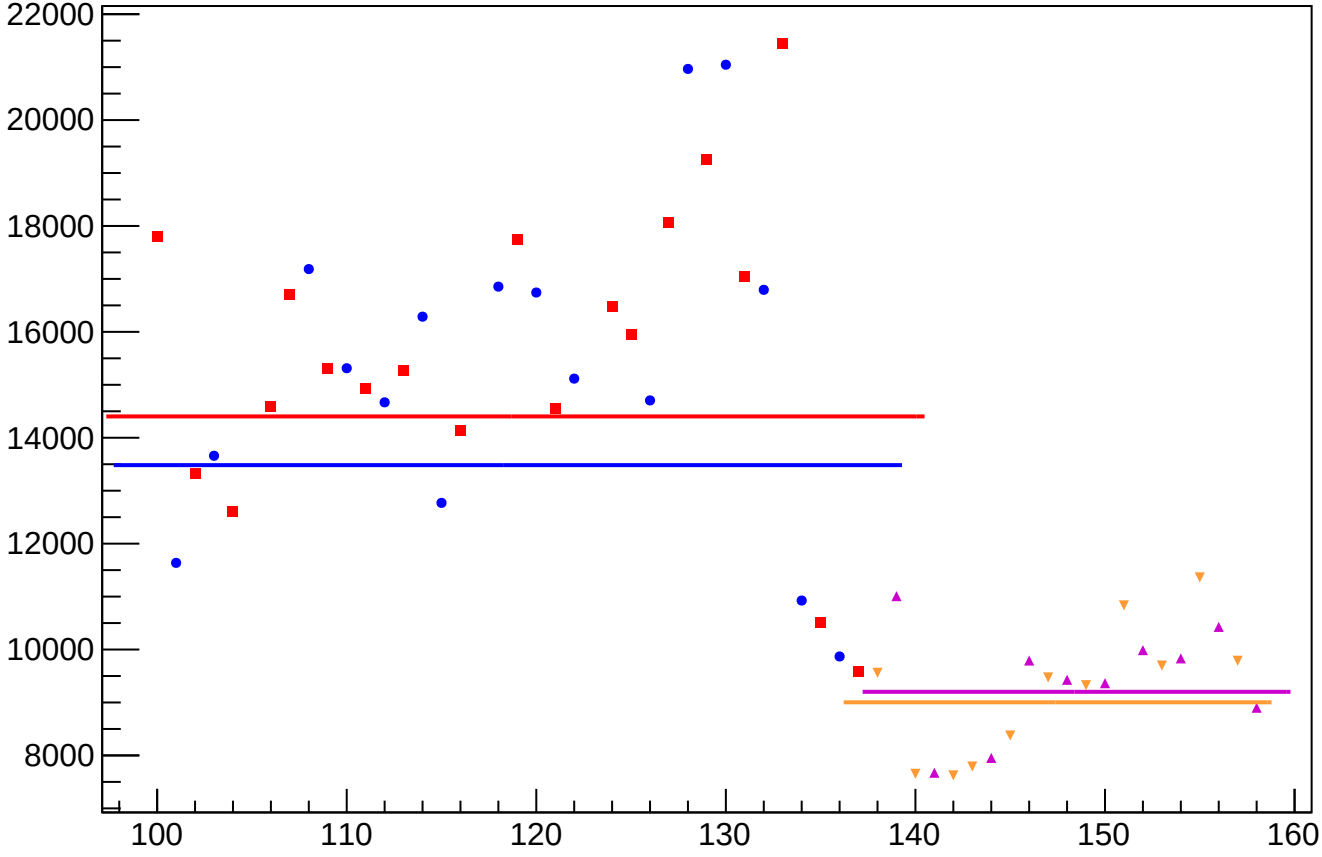
Left In: -2.120+/-3.142 χ^2/NDF:7.9/9

+ sign -11.912+/-2.655 χ^2/NDF: 52.5/26

All: -8.190+/-1.898 χ^2/NDF: 80.6/55

- sign -4.303+/-2.713 χ^2/NDF: 24.1/28

diff_bpm4acX_rms vs Slug



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 9003.128+/-2.187 χ^2/NDF:277566.2/10

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

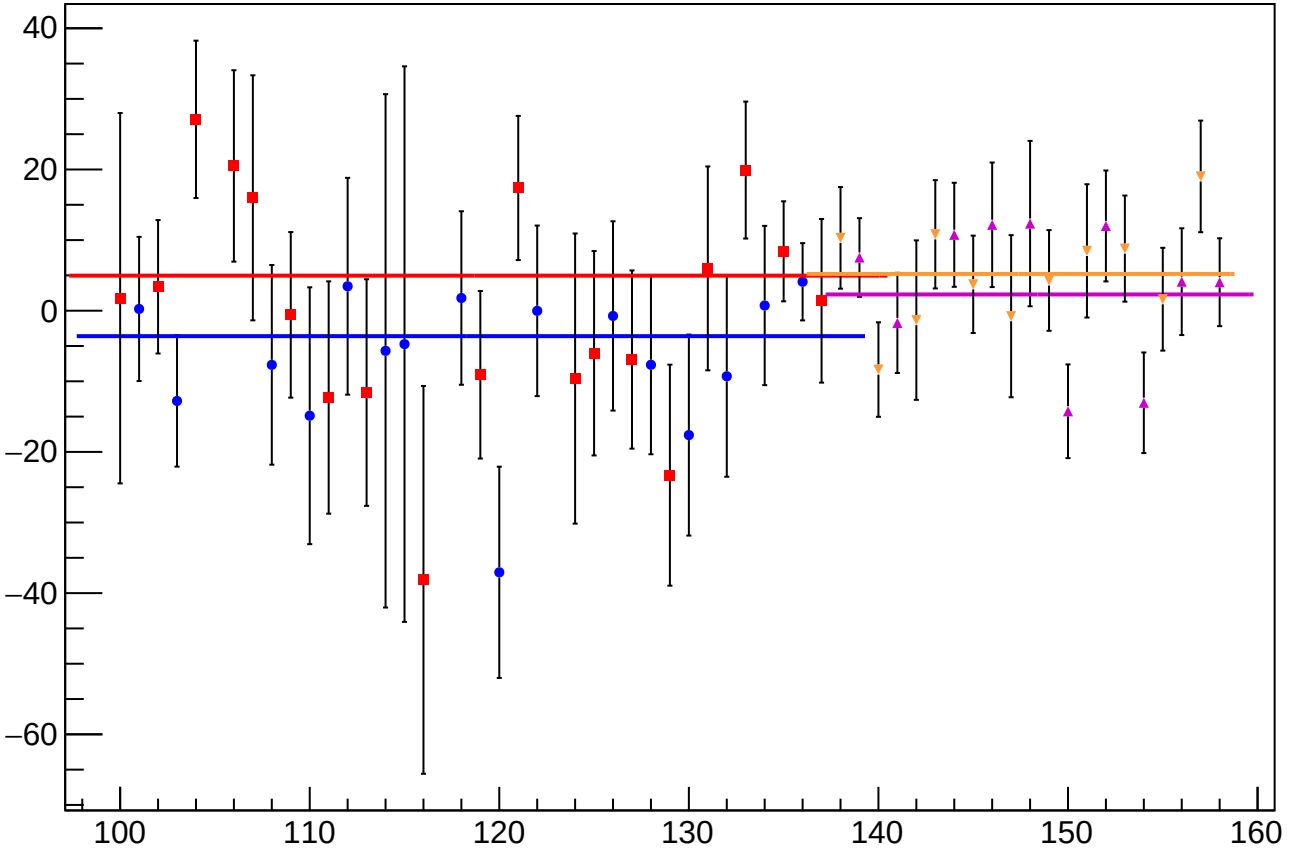
Left In: 9201.307+/-2.222 χ^2/NDF:209678.5/9

+ sign 10180.774+/-1.877 χ^2/NDF: 2124689.8/26

All: 10348.587+/-1.342 χ^2/NDF: 4296895.8/5

- sign 10523.845+/-1.918 χ^2/NDF: 2155870.1/28

diff_bpm4acY_mean vs Slug



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 5.206+/-2.367 χ^2/NDF:9.4/10

Right Out: 4.965+/-2.855 χ^2/NDF: 21.4/18

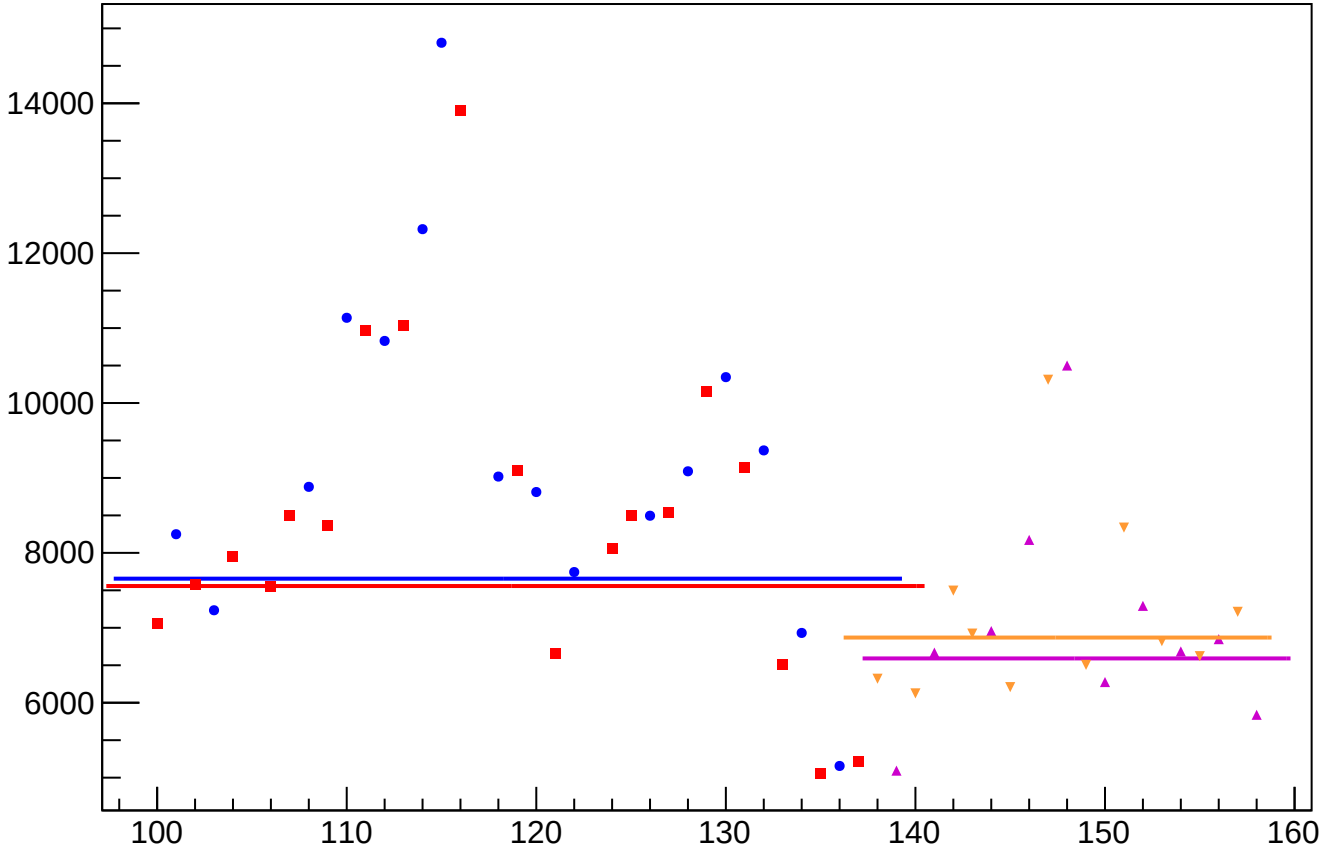
Left In: 2.302+/-2.279 χ^2/NDF:17.0/9

+ sign 1.742+/-1.843 χ^2/NDF: 25.4/26

All: 2.568+/-1.281 χ^2/NDF: 64.7/55

- sign 3.338+/-1.781 χ^2/NDF: 38.9/28

diff_bpm4acY_rms vs Slug



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6869.793+/-1.673 χ^2/NDF:300491.4/10

Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

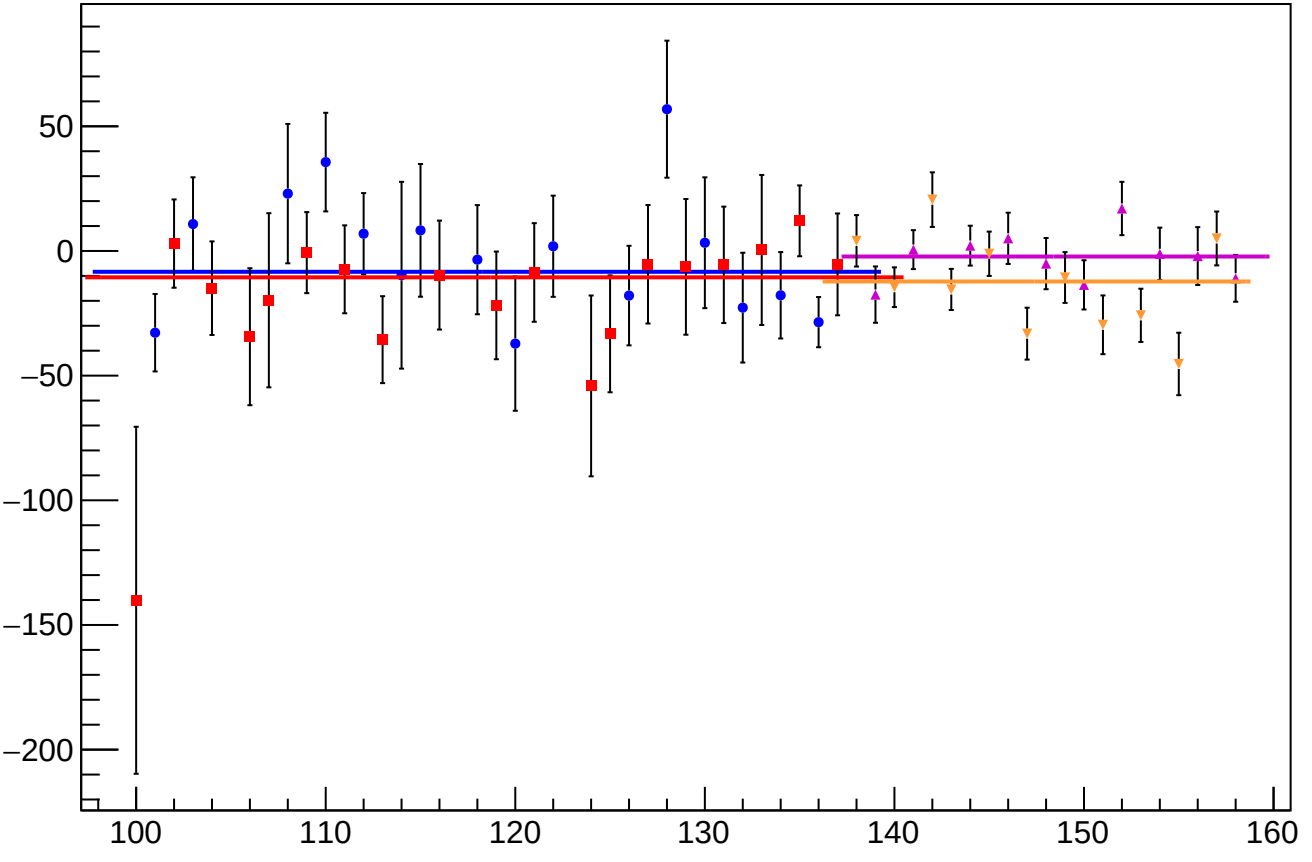
Left In: 6591.185+/-1.611 χ^2/NDF:489194.9/9

+ sign 7178.858+/-1.304 χ^2/NDF: 1267020.9/26

All: 7069.368+/-0.906 χ^2/NDF: 2719645.0/55

- sign 6967.161+/-1.259 χ^2/NDF: 1438983.2/28

diff_bpm4ecX_mean vs Slug



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -12.246+/-3.007 χ^2/NDF:30.6/10

Right Out: -10.573+/-4.911 χ^2/NDF: 12.9/18

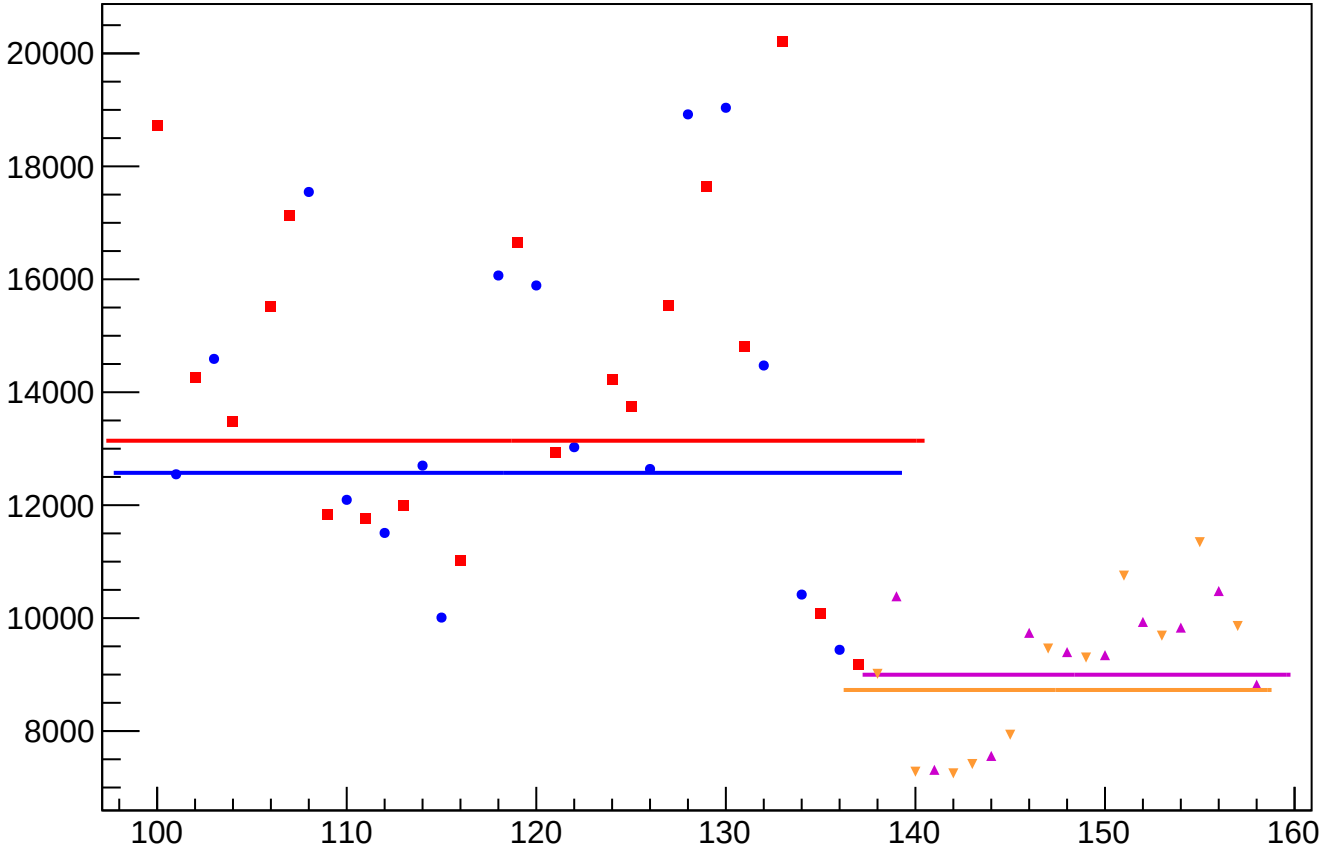
Left In: -2.228+/-3.077 χ^2/NDF:8.3/9

+ sign -11.153+/-2.550 χ^2/NDF: 54.4/26

All: -7.940+/-1.823 χ^2/NDF: 80.9/55

- sign -4.581+/-2.607 χ^2/NDF: 23.3/28

diff_bpm4ecX_rms vs Slug



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 8727.391+/-2.126 χ^2/NDF:371235.4/10

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

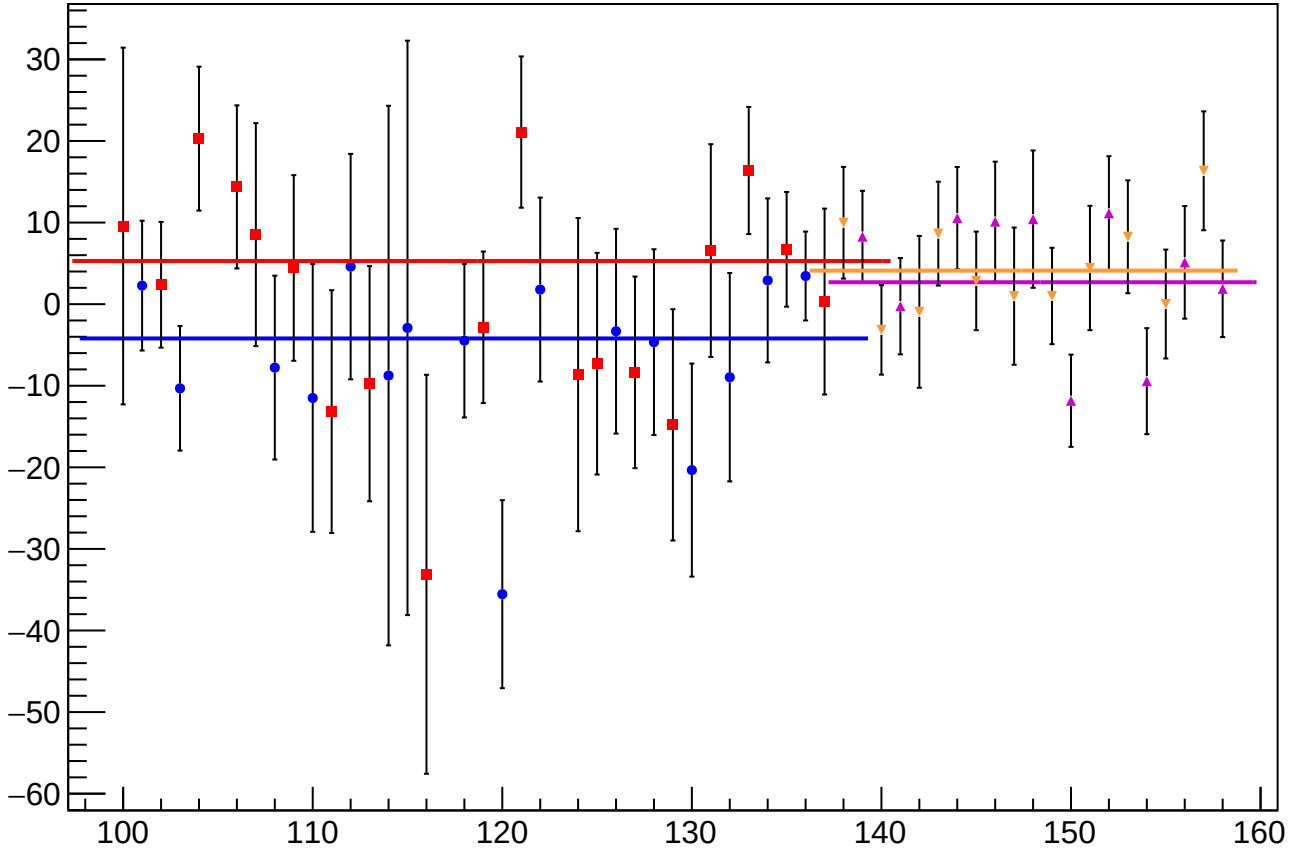
Left In: 8997.506+/-2.176 χ^2/NDF:264993.6/9

+ sign 9806.462+/-1.803 χ^2/NDF: 1954285.6/26

All: 9982.082+/-1.289 χ^2/NDF: 3795906.4/55

- sign 10165.703+/-1.844 χ^2/NDF: 1822216.7/28

diff_bpm4ecY_mean vs Slug



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 4.109+/-2.039 χ^2/NDF:7.3/10

Right Out: 5.288+/-2.502 χ^2/NDF: 19.7/18

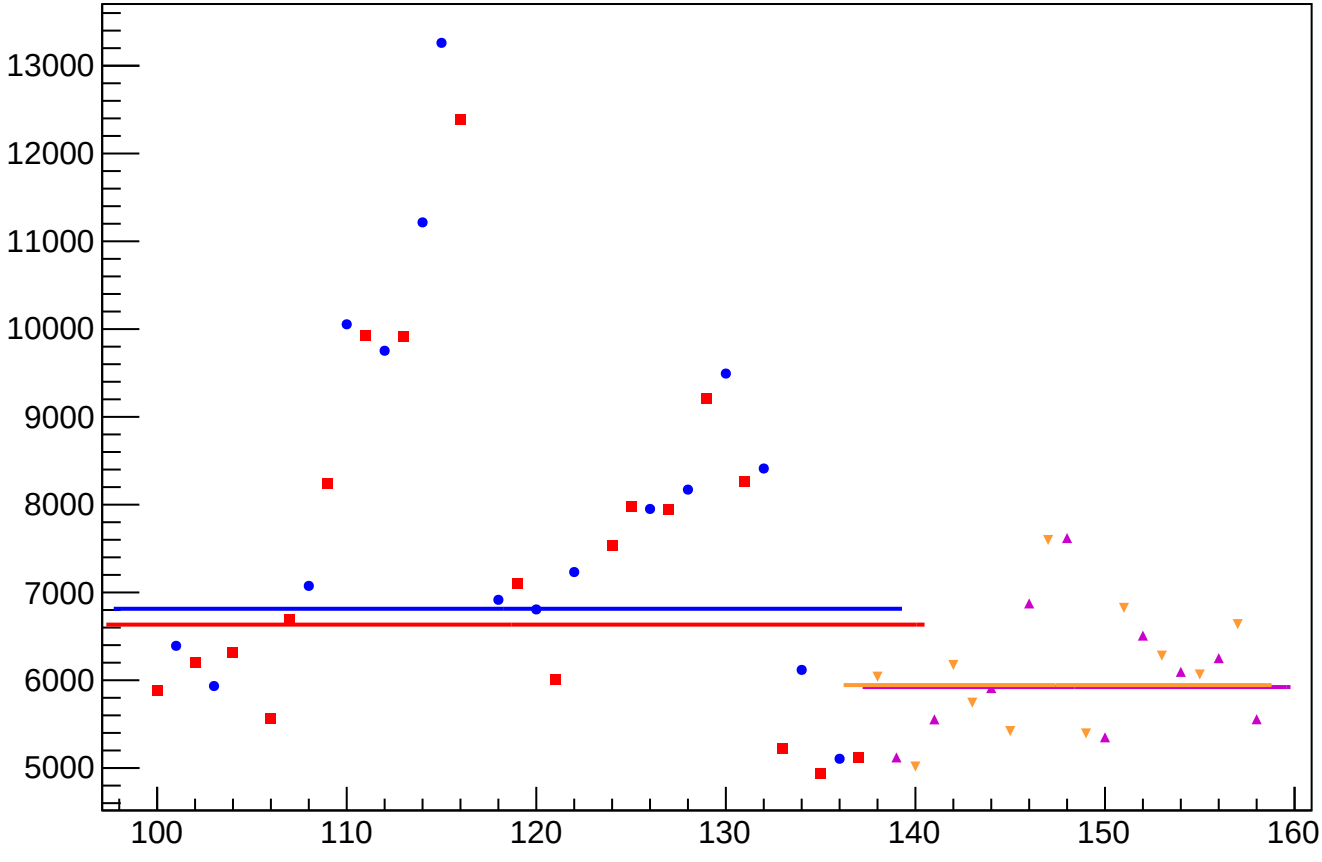
Left In: 2.684+/-2.027 χ^2/NDF:16.4/9

+ sign 0.943+/-1.605 χ^2/NDF: 27.5/26

All: 2.355+/-1.124 χ^2/NDF: 65.8/55

- sign 3.716+/-1.575 χ^2/NDF: 36.8/28

diff_bpm4ecY_rms vs Slug



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 5944.955+/-1.442 χ^2/NDF:220654.8/10

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

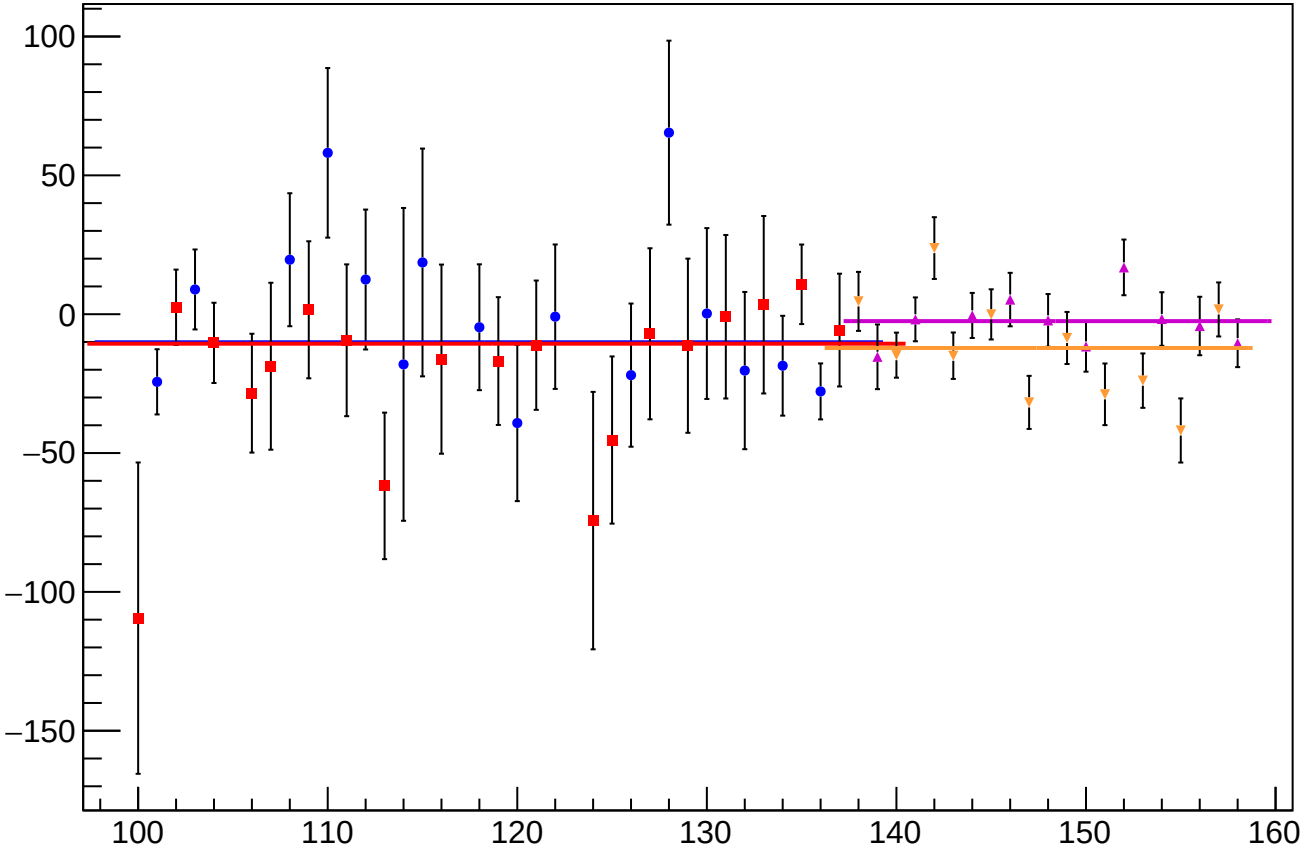
Left In: 5922.408+/-1.433 χ^2/NDF:211616.5/9

+ sign 6276.003+/-1.135 χ^2/NDF: 1033154.7/26

All: 6239.457+/-0.795 χ^2/NDF: 2107744.8/55

- sign 6204.252+/-1.114 χ^2/NDF: 1072553.4/28

diff_bpm1X_mean vs Slug



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -12.157+/-2.915 χ^2/NDF:31.7/10

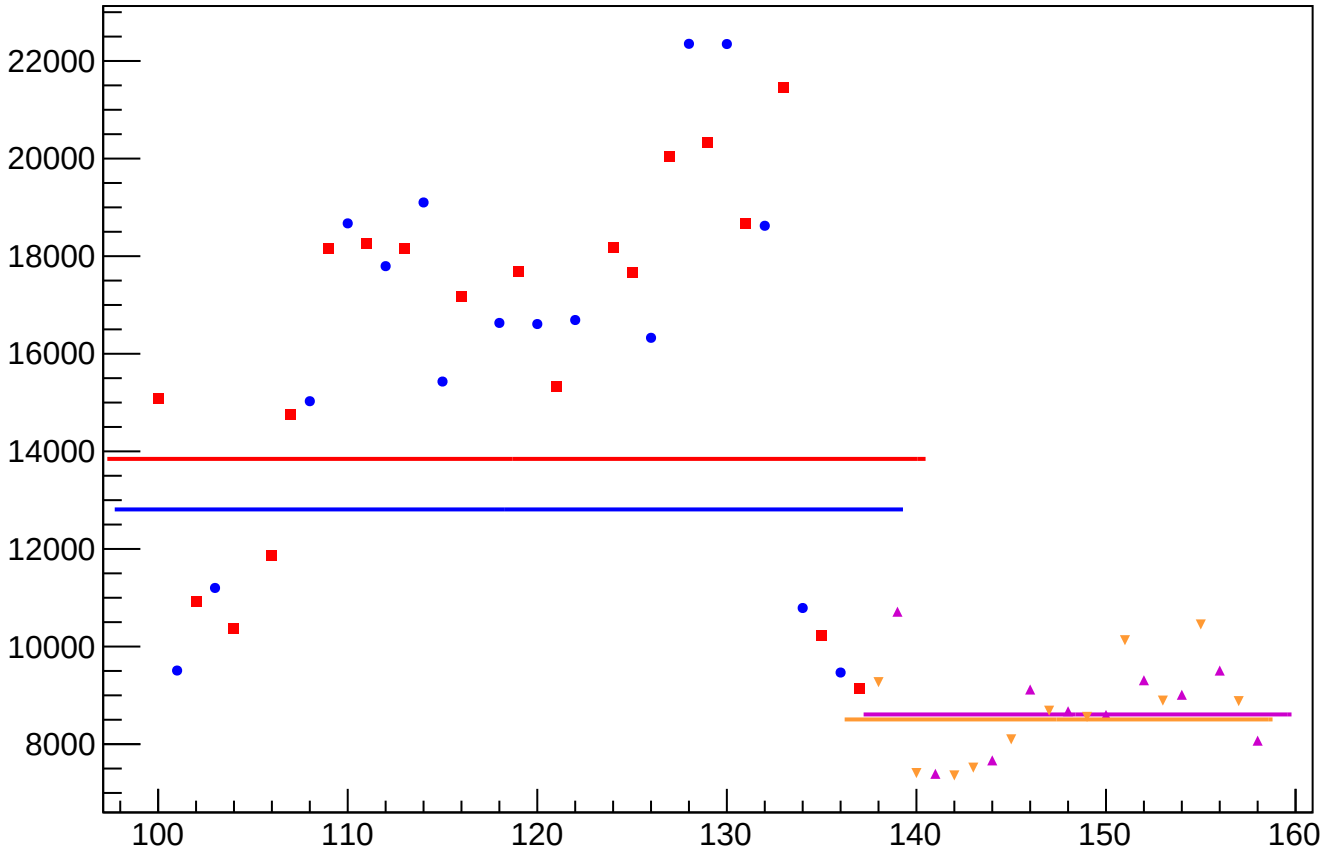
Right Out: -10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: -2.492+/-2.938 χ^2/NDF:7.6/9

+ sign -11.641+/-2.521 χ^2/NDF: 53.1/26

All: -8.094+/-1.798 χ^2/NDF: 81.2/55

- sign -4.416+/-2.567 χ^2/NDF: 24.1/28



Right In: 12809.964+/-3.548 χ^2/NDF: 1248252.1/15

Left Out: 8506.109+/-2.061 χ^2/NDF:206845.3/10

Right Out: 13845.622+/-3.731 χ^2/NDF: 1096555.2/18

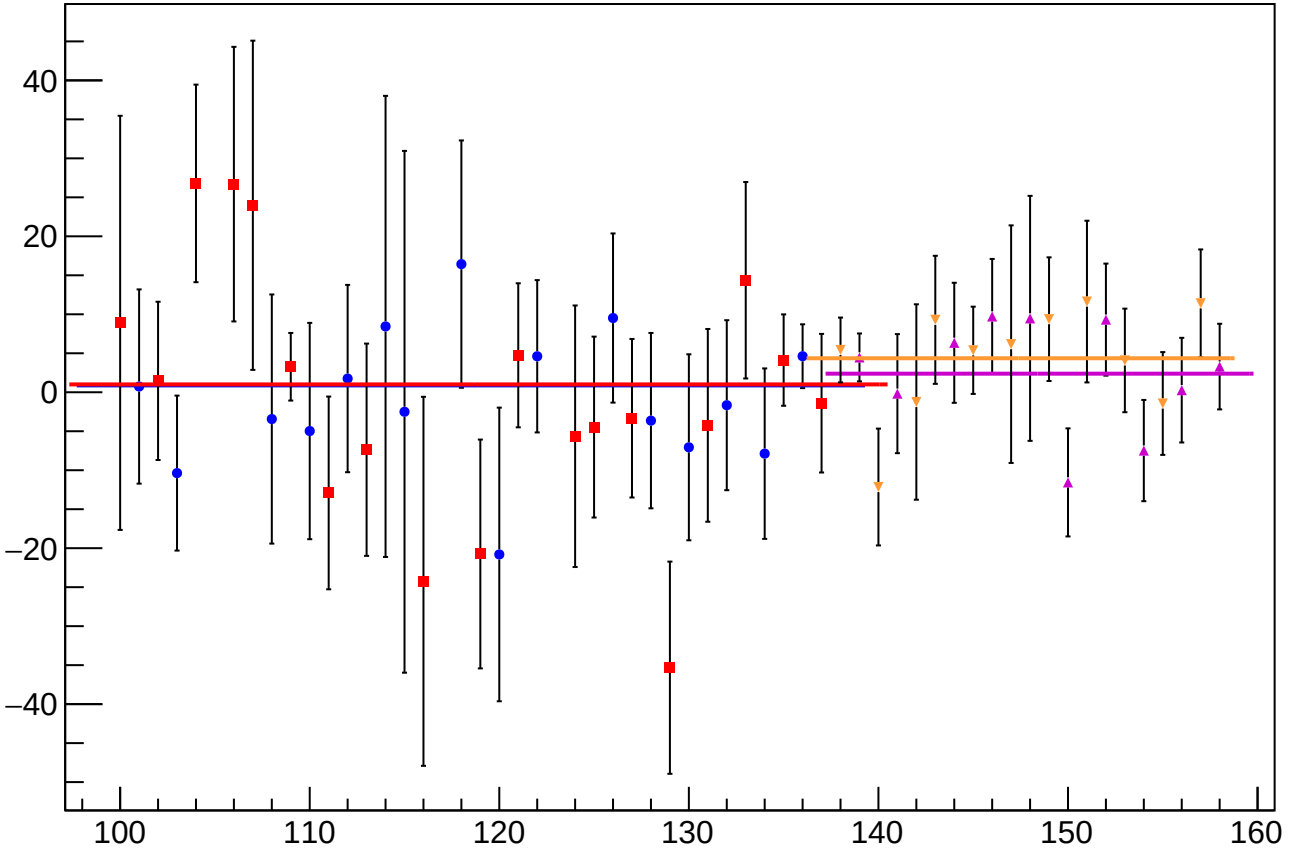
Left In: 8608.635+/-2.077 χ^2/NDF:181152.6/9

+ sign 9592.410+/-1.782 χ^2/NDF: 2555333.4/26

All: 9717.752+/-1.272 χ^2/NDF: 5347030.3/55

- sign 9847.713+/-1.815 χ^2/NDF: 2781623.9/28

diff_bpm1Y_mean vs Slug



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 4.362+/-2.108 χ^2/NDF:8.2/10

Right Out: 1.006+/-2.314 χ^2/NDF: 22.3/18

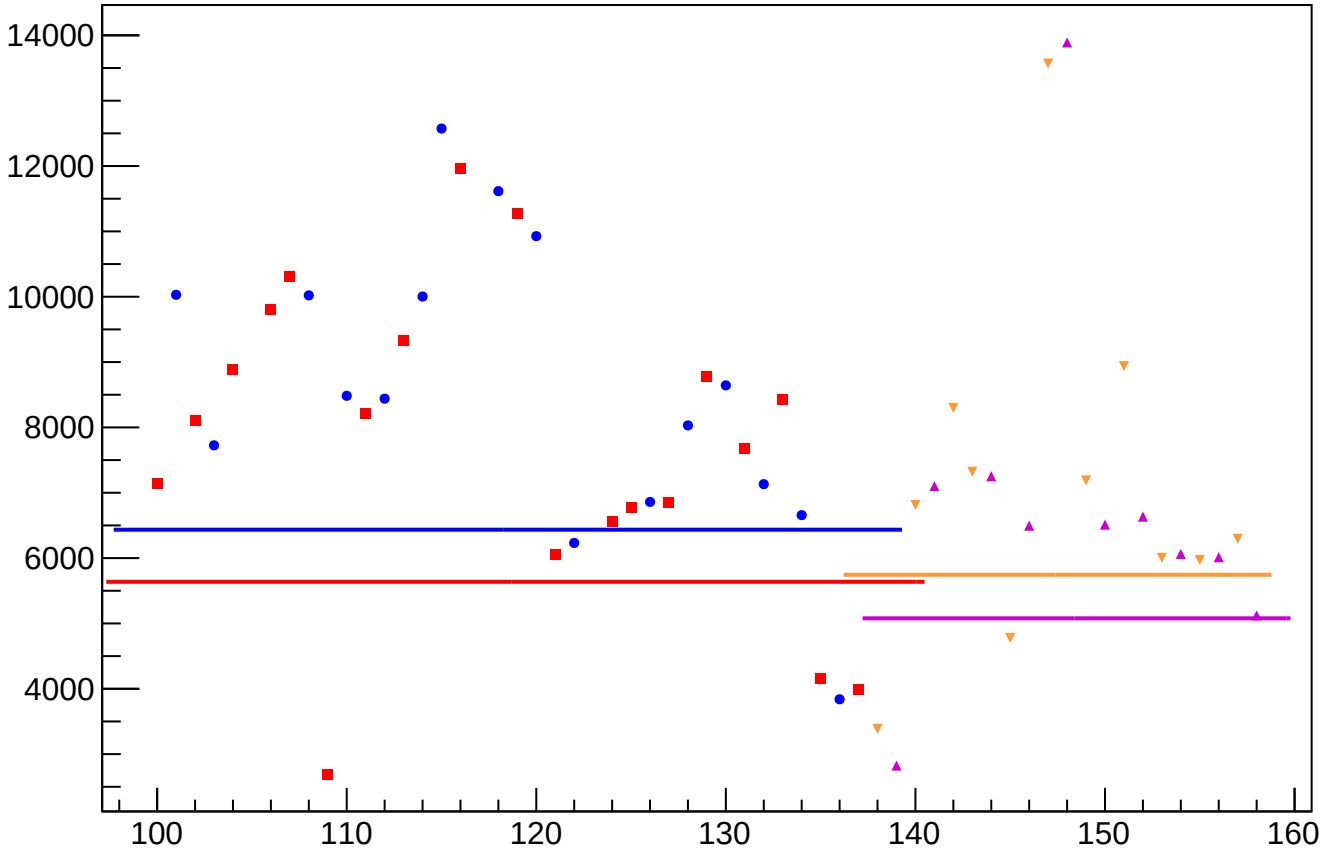
Left In: 2.384+/-1.884 χ^2/NDF:9.4/9

+ sign 2.959+/-1.629 χ^2/NDF: 16.2/26

All: 2.336+/-1.088 χ^2/NDF: 48.4/55

- sign 1.834+/-1.461 χ^2/NDF: 32.0/28

diff_bpm1Y_rms vs Slug



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 5744.736+/-1.491 χ^2/NDF:1702514.7/10

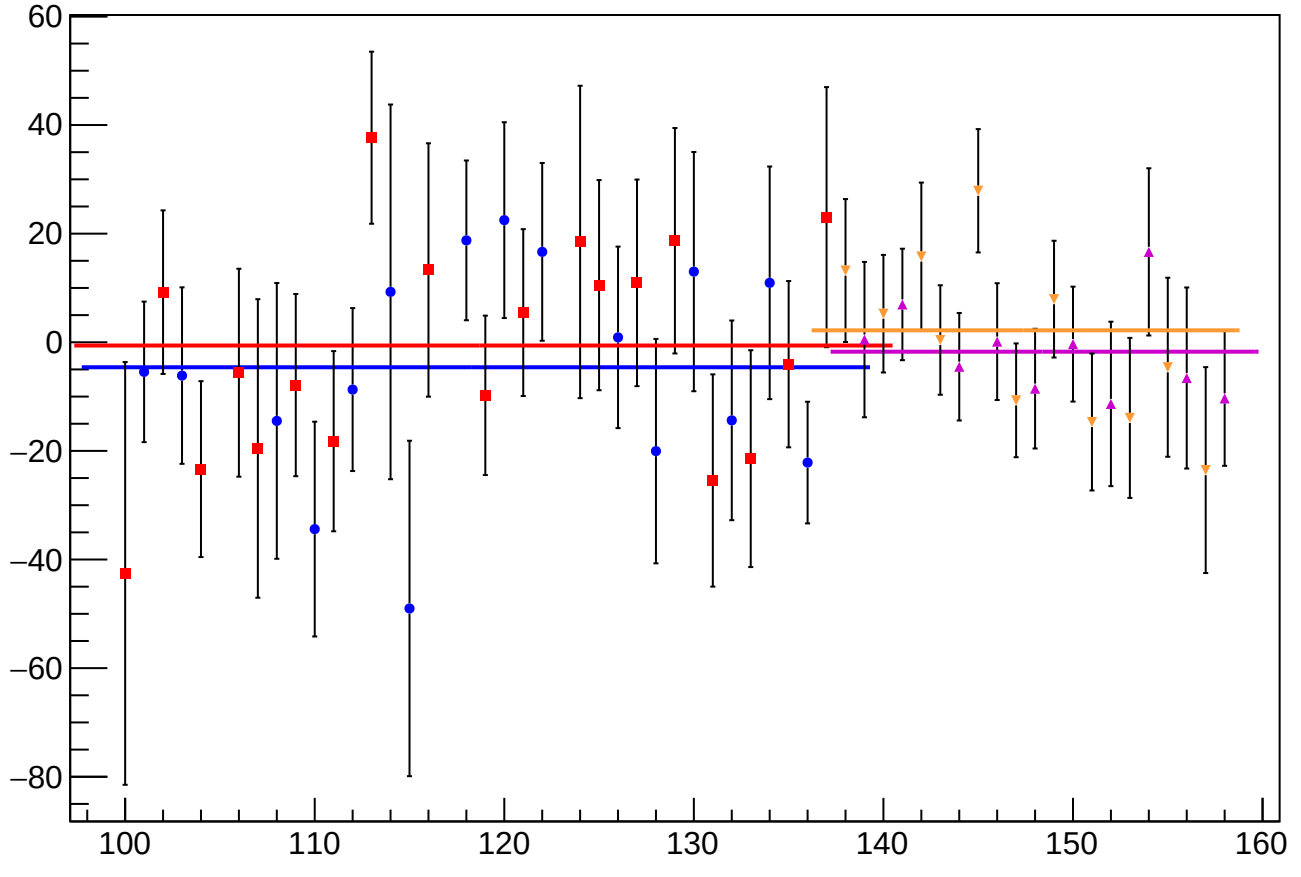
Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 5078.582+/-1.332 χ^2/NDF:2343070.4/9

+ sign 6022.704+/-1.152 χ^2/NDF: 3539417.0/26

All: 5622.996+/-0.769 χ^2/NDF: 8749945.2/55

- sign 5301.387+/-1.033 χ^2/NDF: 4993206.4/28



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: 2.199+/-3.716 χ^2/NDF:13.7/10

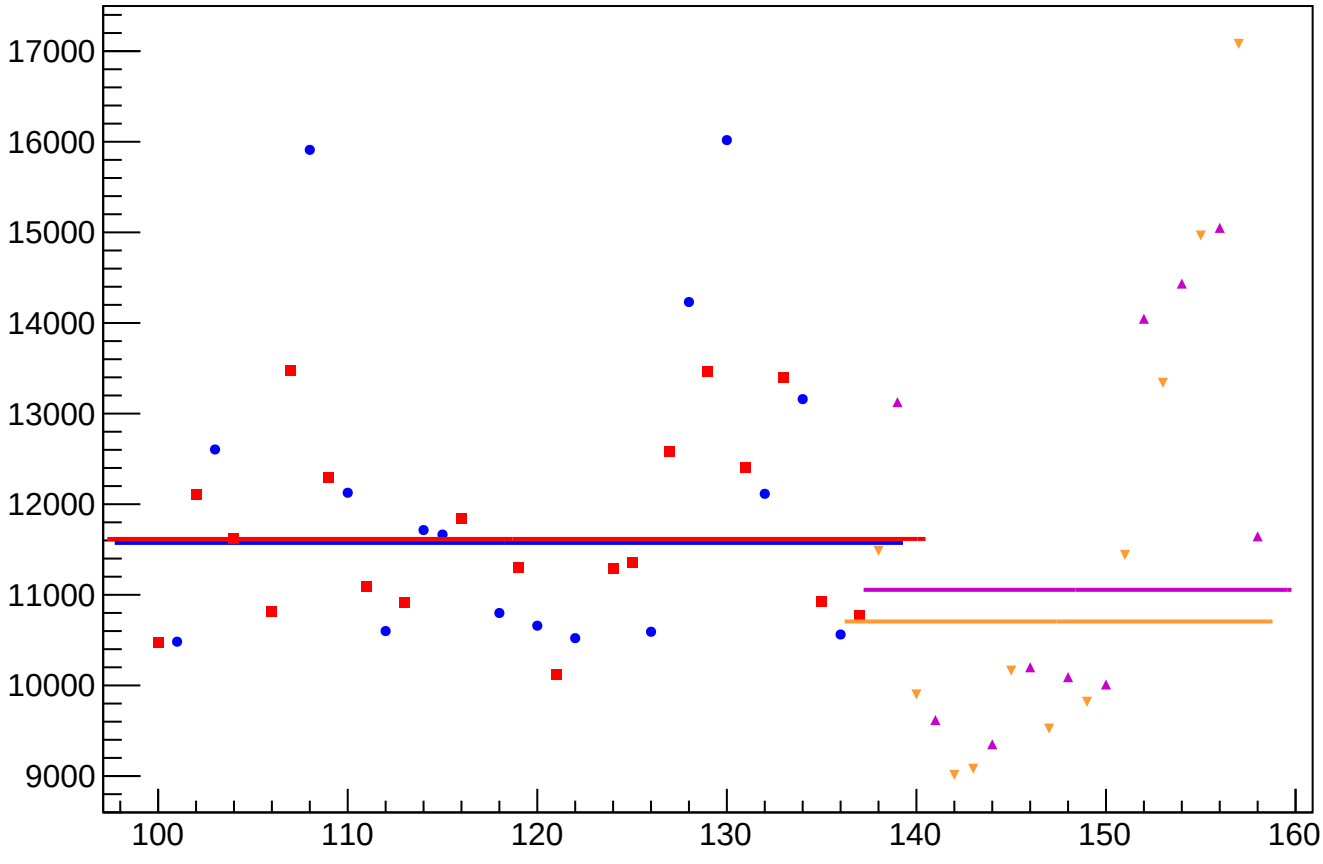
Right Out: -0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: -1.736+/-3.805 χ^2/NDF:3.6/9

+ sign -0.666+/-2.827 χ^2/NDF: 30.9/26

All: -0.948+/-2.003 χ^2/NDF: 52.5/55

- sign -1.233+/-2.840 χ^2/NDF: 21.6/28



Right In: 11573.073+/-3.079 χ^2/NDF: 260067.0/15

Left Out: 10705.753+/-2.627 χ^2/NDF:575077.8/10

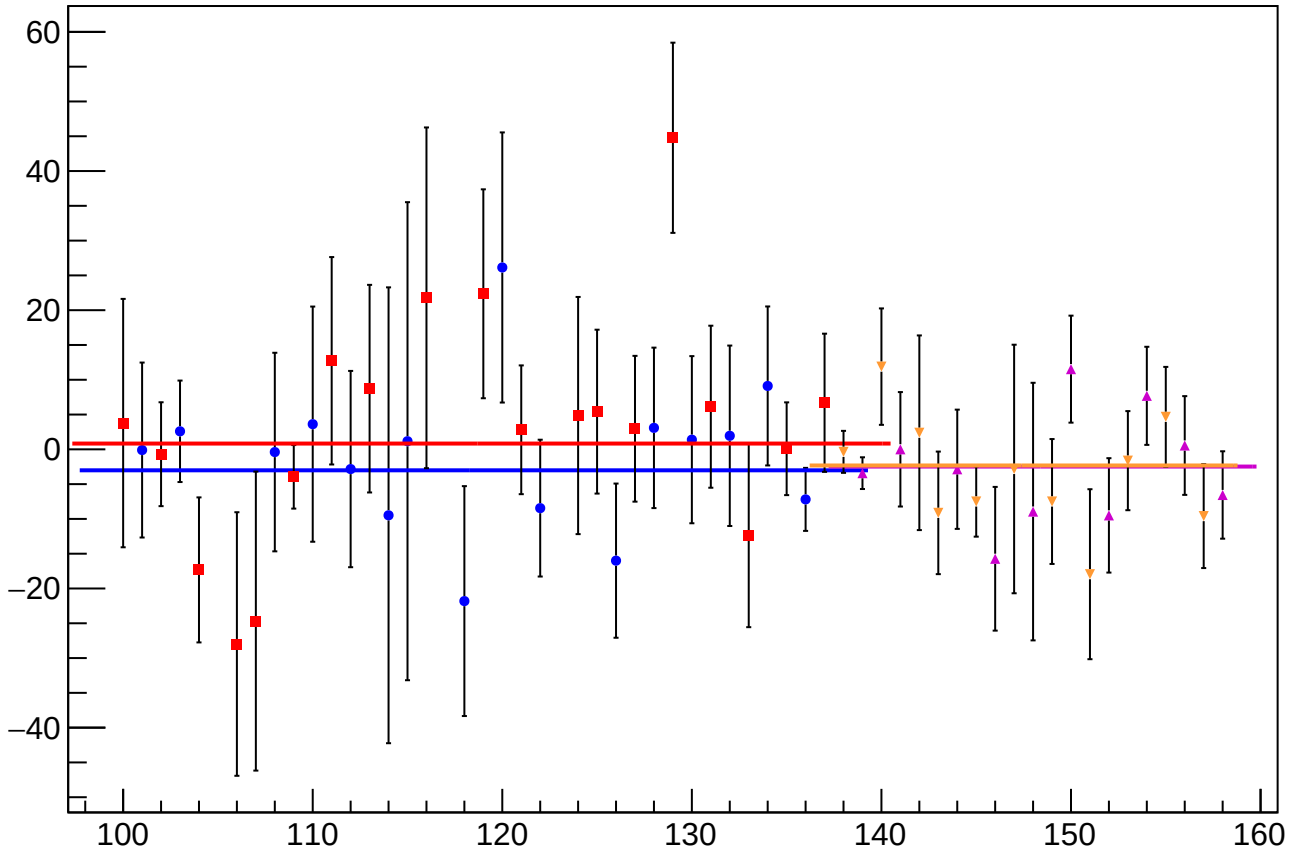
Right Out: 11616.773+/-3.017 χ^2/NDF: 93165.6/18

Left In: 11054.836+/-2.690 χ^2/NDF:481742.0/9

+ sign 11071.164+/-1.999 χ^2/NDF: 881055.7/26

All: 11186.925+/-1.417 χ^2/NDF: 1482029.5/5

- sign 11303.757+/-2.008 χ^2/NDF: 594233.6/28



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: -2.320+/-1.959 χ^2/NDF:8.9/10

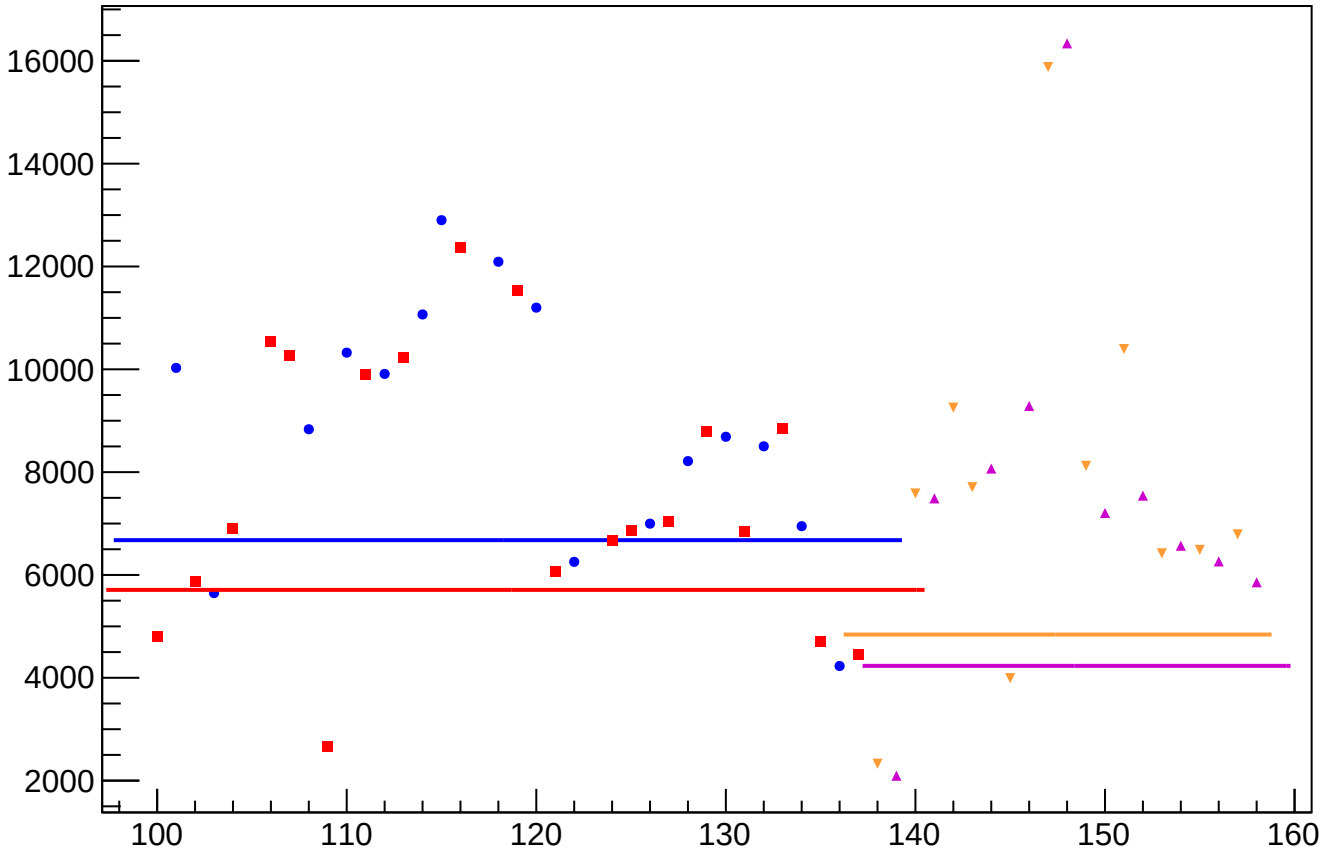
Right Out: 0.831+/-2.352 χ^2/NDF: 23.8/18

Left In: -2.475+/-1.741 χ^2/NDF:8.8/9

+ sign -2.565+/-1.576 χ^2/NDF: 17.6/26

All: -1.860+/-1.046 χ^2/NDF: 51.9/55

- sign -1.305+/-1.399 χ^2/NDF: 33.9/28



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 4841.011+/-1.385 χ^2/NDF:3853932.1/10

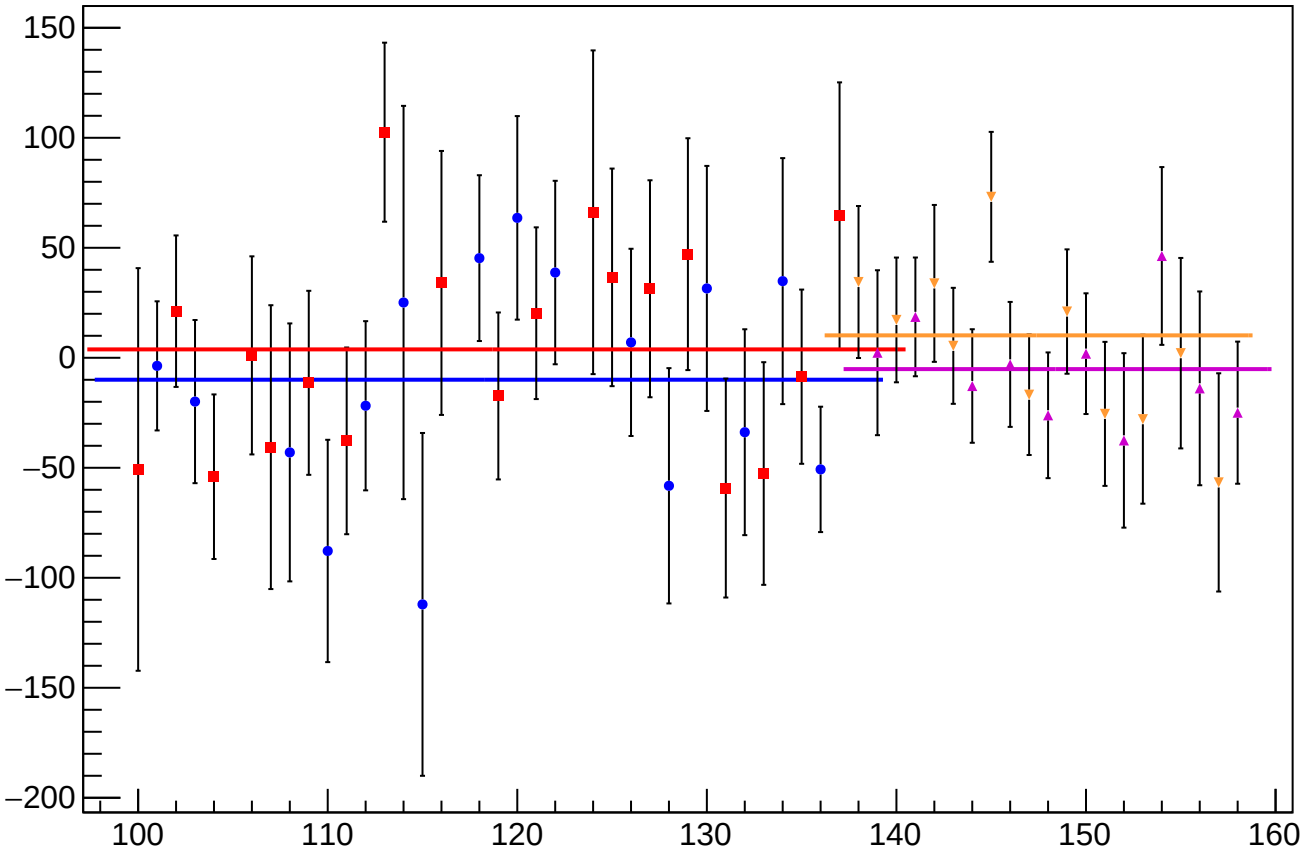
Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

Left In: 4232.000+/-1.231 χ^2/NDF:4947091.9/9

+ sign 5488.523+/-1.114 χ^2/NDF: 6046311.5/26

All: 5078.277+/-0.740 χ^2/NDF: 14046990.1/5

- sign 4755.050+/-0.989 χ^2/NDF: 7758425.0/28



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 10.194+/-9.719 χ^2/NDF:10.7/10

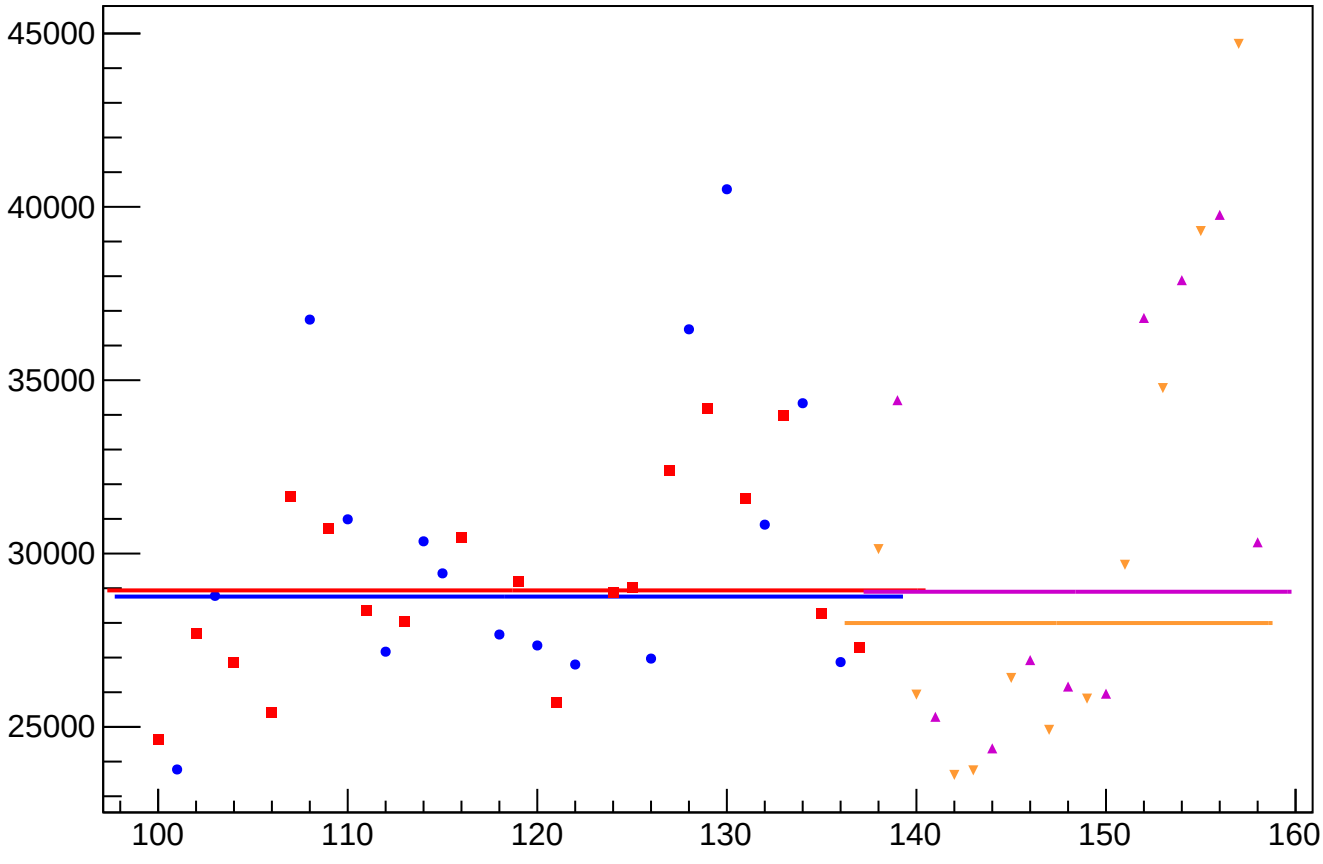
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -5.145+/-9.950 χ^2/NDF:4.2/9

+ sign 1.205+/-7.235 χ^2/NDF: 27.9/26

All: 0.125+/-5.127 χ^2/NDF: 49.9/55

- sign -0.964+/-7.266 χ^2/NDF: 21.9/28



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 27996.034+/-6.872 χ^2/NDF:574028.5/10

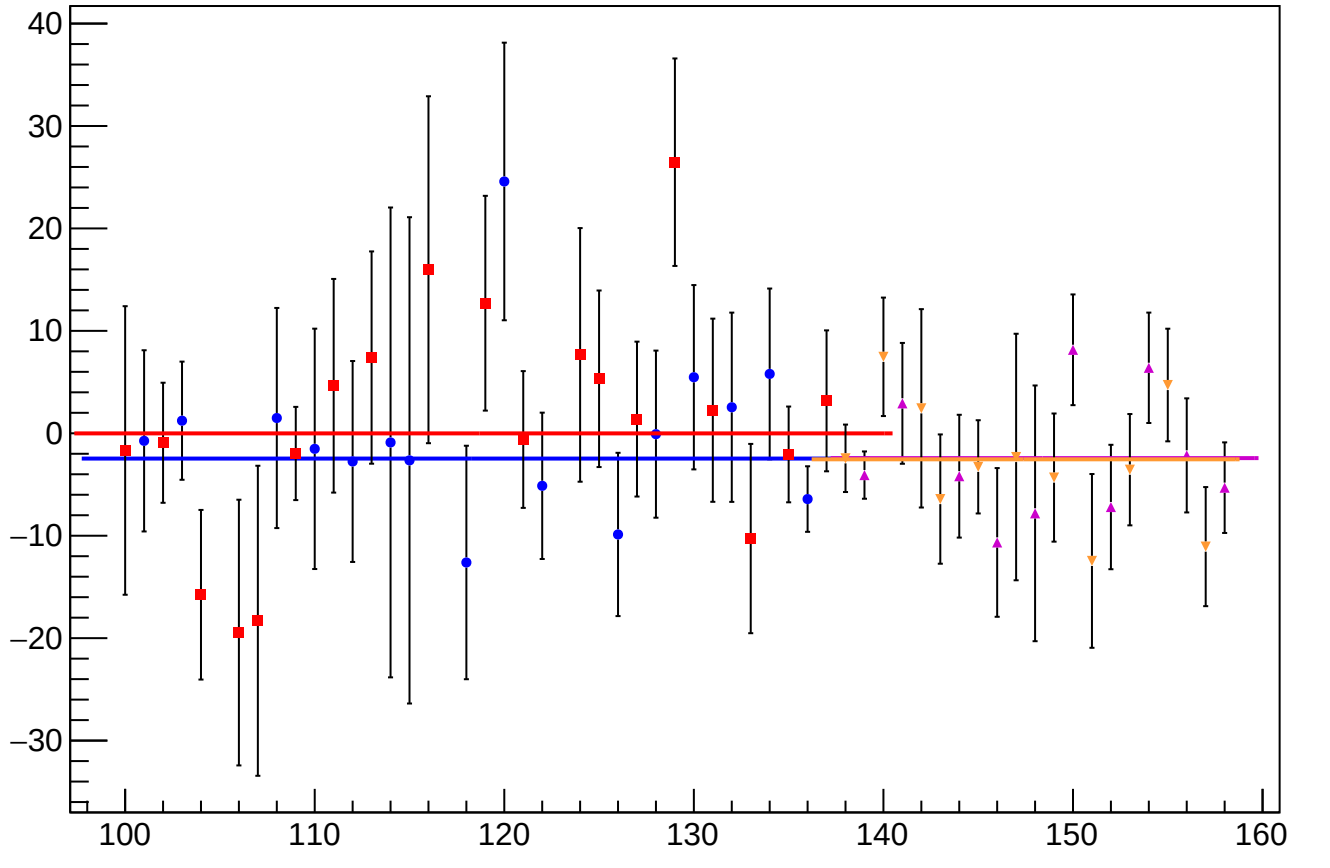
Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 28898.573+/-7.035 χ^2/NDF:495372.5/9

+ sign 28336.202+/-5.116 χ^2/NDF: 857164.5/26

All: 28625.264+/-3.625 χ^2/NDF: 1465229.4/5

- sign 28916.802+/-5.138 χ^2/NDF: 601652.9/28



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -2.540+/-1.692 χ^2/NDF:9.0/10

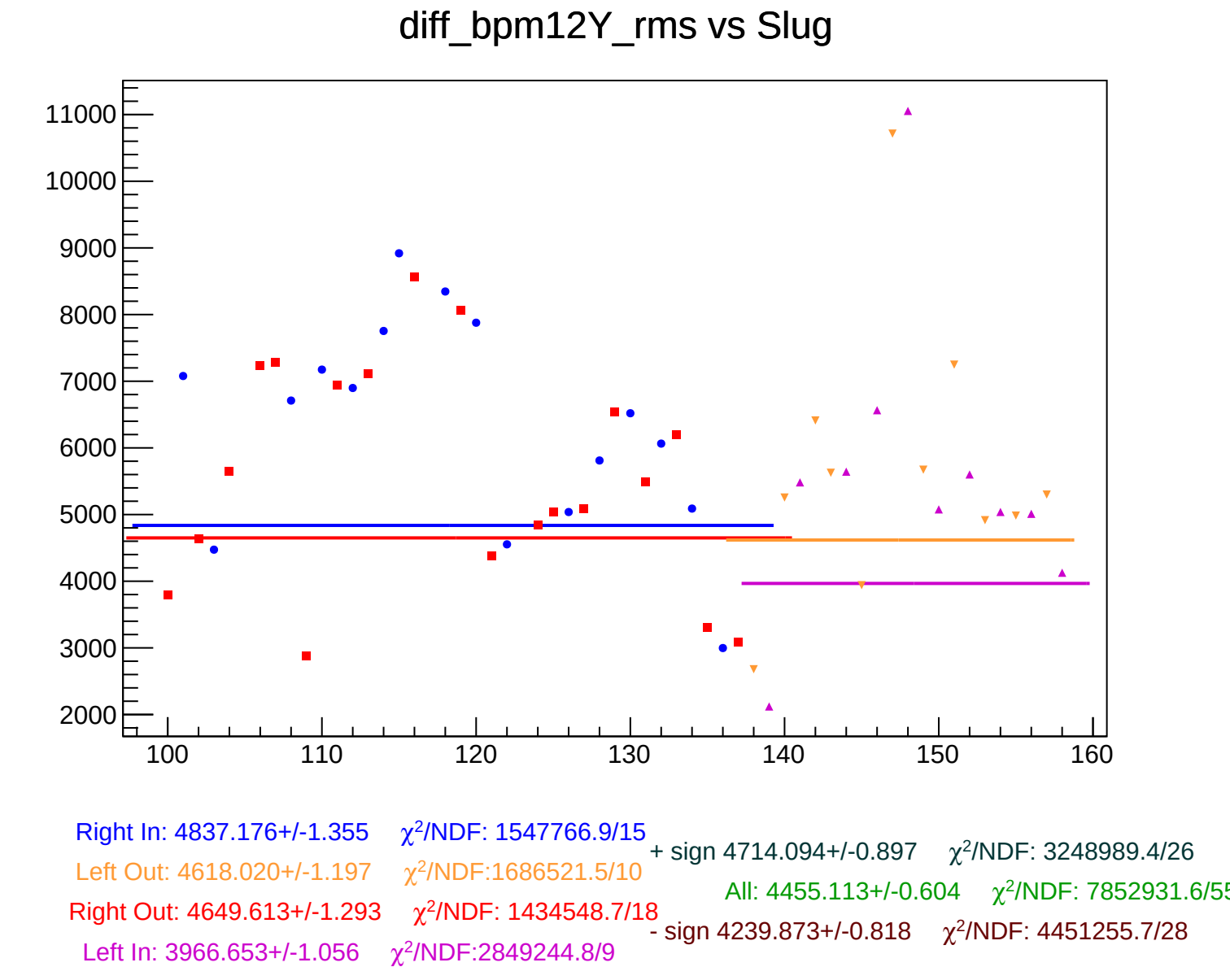
Right Out: -0.009+/-1.828 χ^2/NDF: 20.0/18

Left In: -2.423+/-1.493 χ^2/NDF:10.4/9

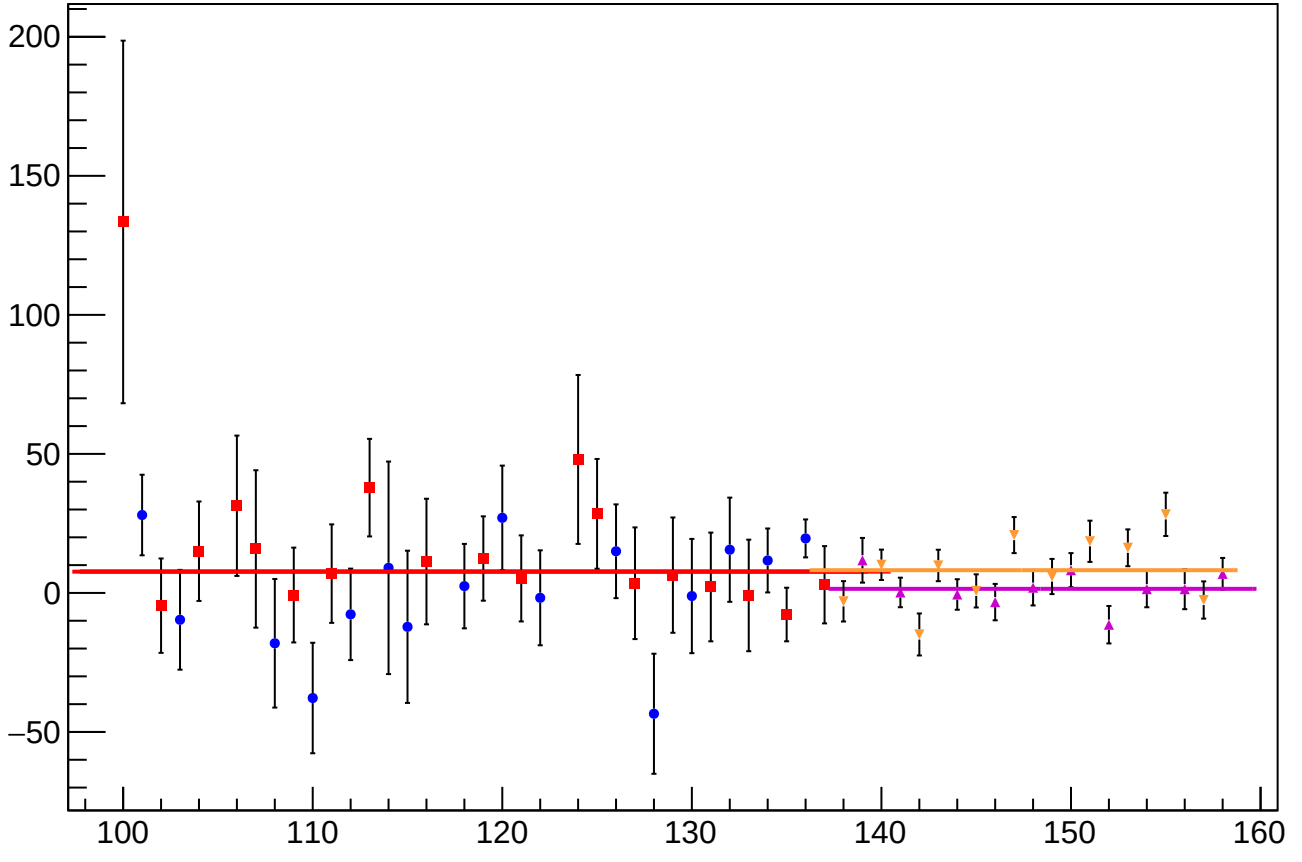
+ sign -2.508+/-1.268 χ^2/NDF: 19.1/26

All: -1.934+/-0.854 χ^2/NDF: 50.9/55

- sign -1.457+/-1.156 χ^2/NDF: 31.5/28


diff_bpm12Y_rms vs Slug
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 4837.176+/-1.355 χ²/NDF: 1547766.9/15
Left Out: 4618.020+/-1.197 χ²/NDF:1686521.5/10
Right Out: 4649.613+/-1.293 χ²/NDF: 1434548.7/18
Left In: 3966.653+/-1.056 χ²/NDF:2849244.8/9
+ sign 4714.094+/-0.897 χ²/NDF: 3248989.4/26
All: 4455.113+/-0.604 χ²/NDF: 7852931.6/55
- sign 4239.873+/-0.818 χ²/NDF: 4451255.7/28

diff_bpm16X_mean vs Slug



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 8.174+/-1.969 χ^2/NDF:30.1/10

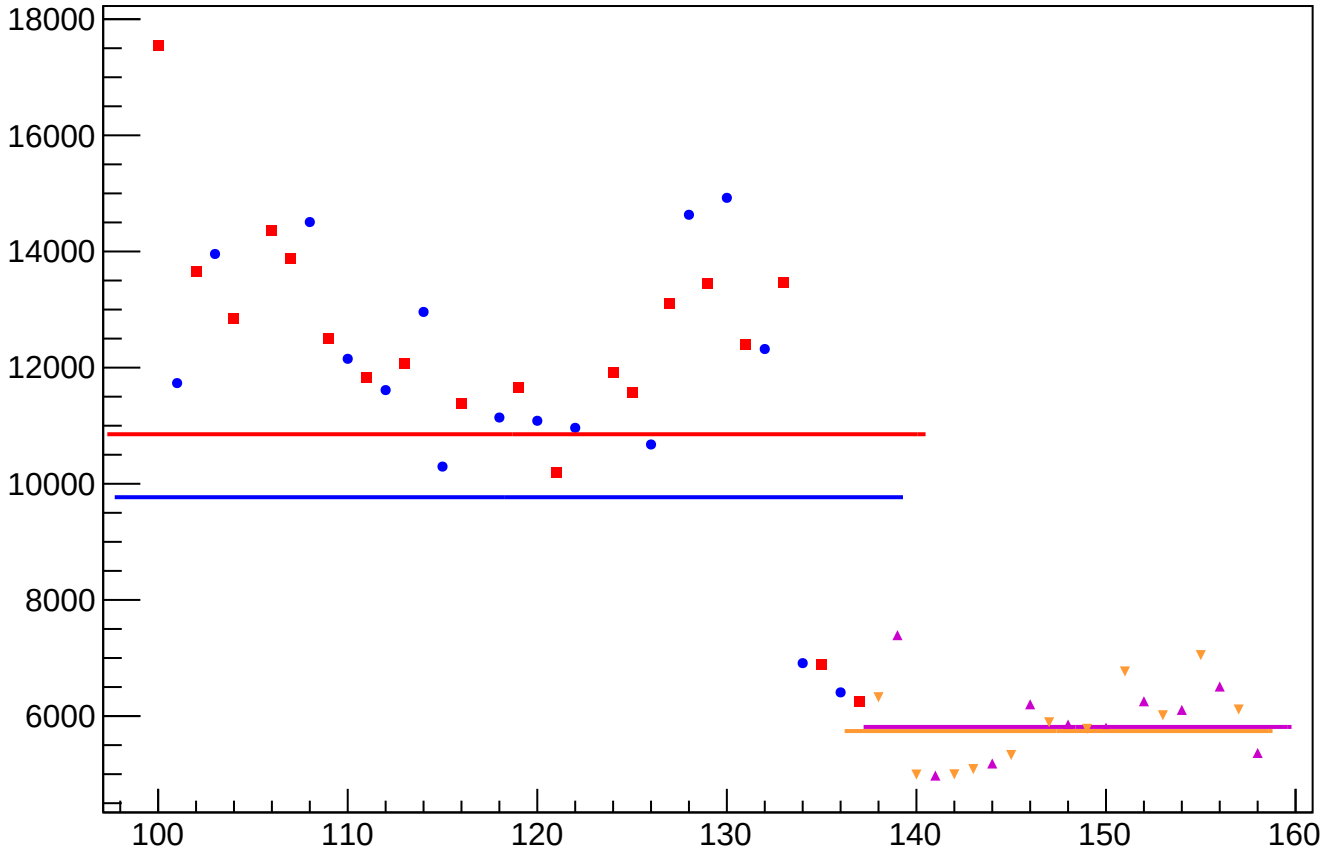
Right Out: 7.650+/-4.099 χ^2/NDF: 14.6/18

Left In: 1.472+/-1.985 χ^2/NDF:8.1/9

+ sign 8.074+/-1.750 χ^2/NDF: 51.7/26

All: 5.415+/-1.250 χ^2/NDF: 81.0/55

- sign 2.645+/-1.786 χ^2/NDF: 24.6/28



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5742.275+/-1.392 χ^2/NDF:211702.6/10

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

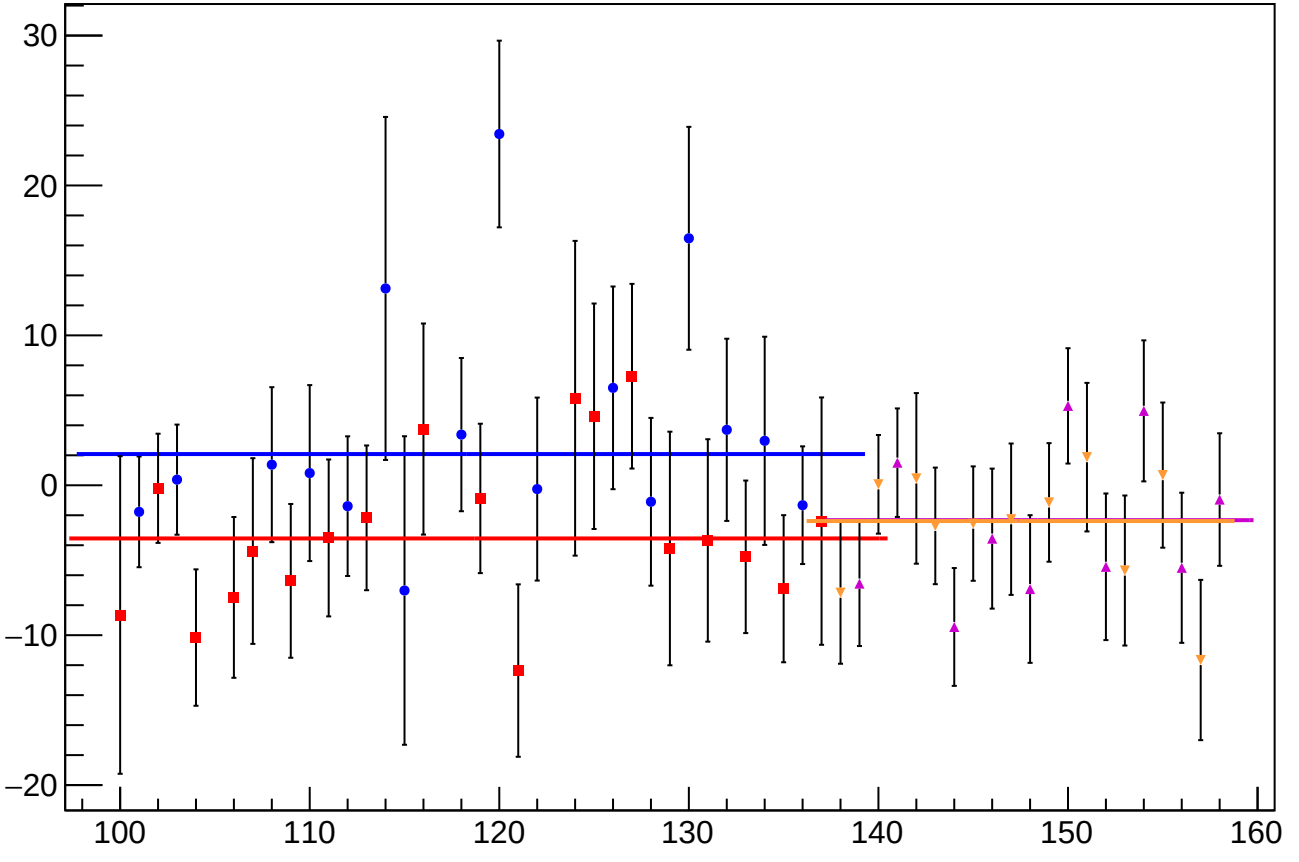
Left In: 5813.152+/-1.403 χ^2/NDF:204123.2/9

+ sign 6587.496+/-1.237 χ^2/NDF: 3181234.8/26

All: 6677.015+/-0.884 χ^2/NDF: 6719556.7/55

- sign 6770.290+/-1.263 χ^2/NDF: 3527636.5/28

diff_bpm16Y_mean vs Slug



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -2.385+/-1.332 χ^2/NDF:6.5/10

Right Out: -3.546+/-1.304 χ^2/NDF: 13.4/18

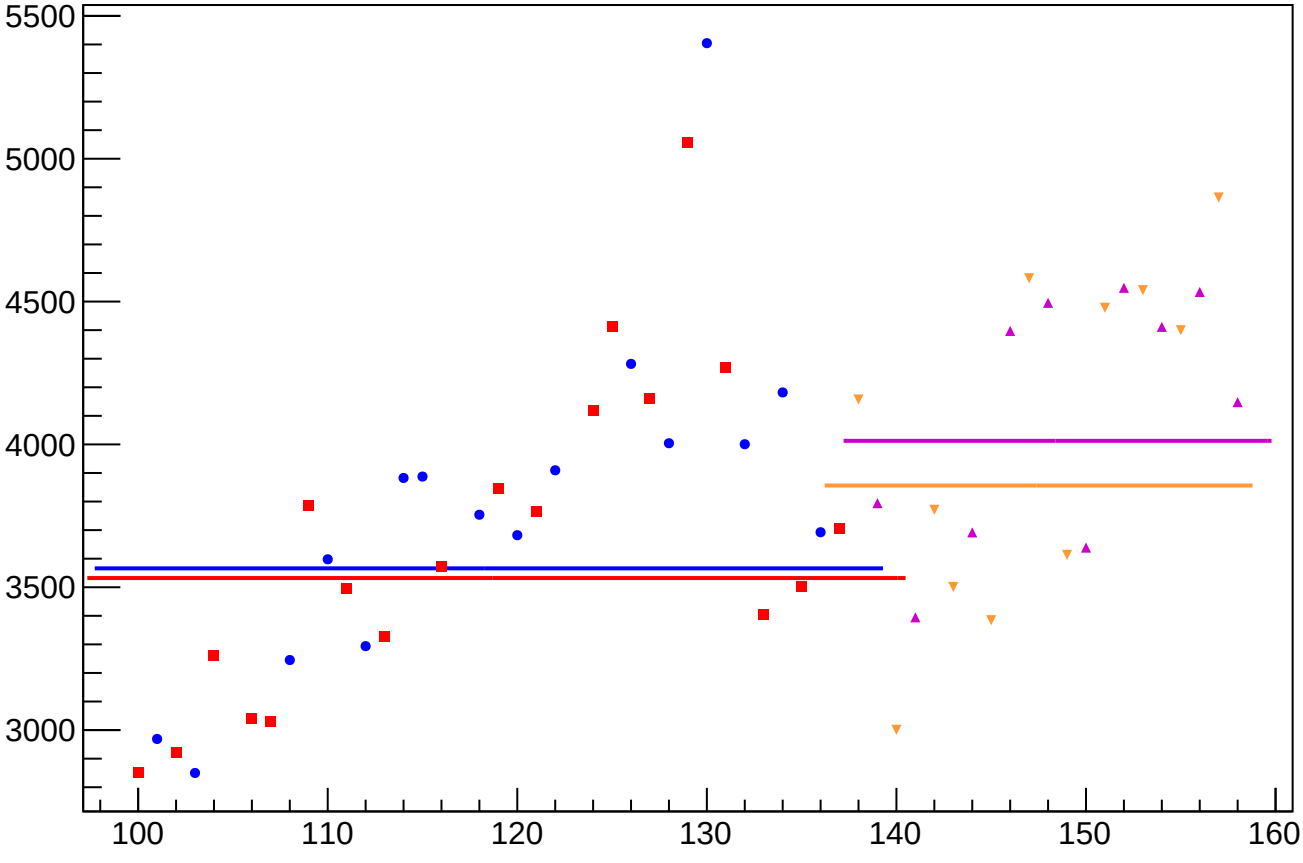
Left In: -2.327+/-1.372 χ^2/NDF:13.6/9

+ sign -0.174+/-0.946 χ^2/NDF: 33.0/26

All: -1.573+/-0.669 χ^2/NDF: 64.9/55

- sign -2.967+/-0.945 χ^2/NDF: 27.5/28

diff_bpm16Y_rms vs Slug



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 3856.080+/-0.942 χ^2/NDF:404828.5/10

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

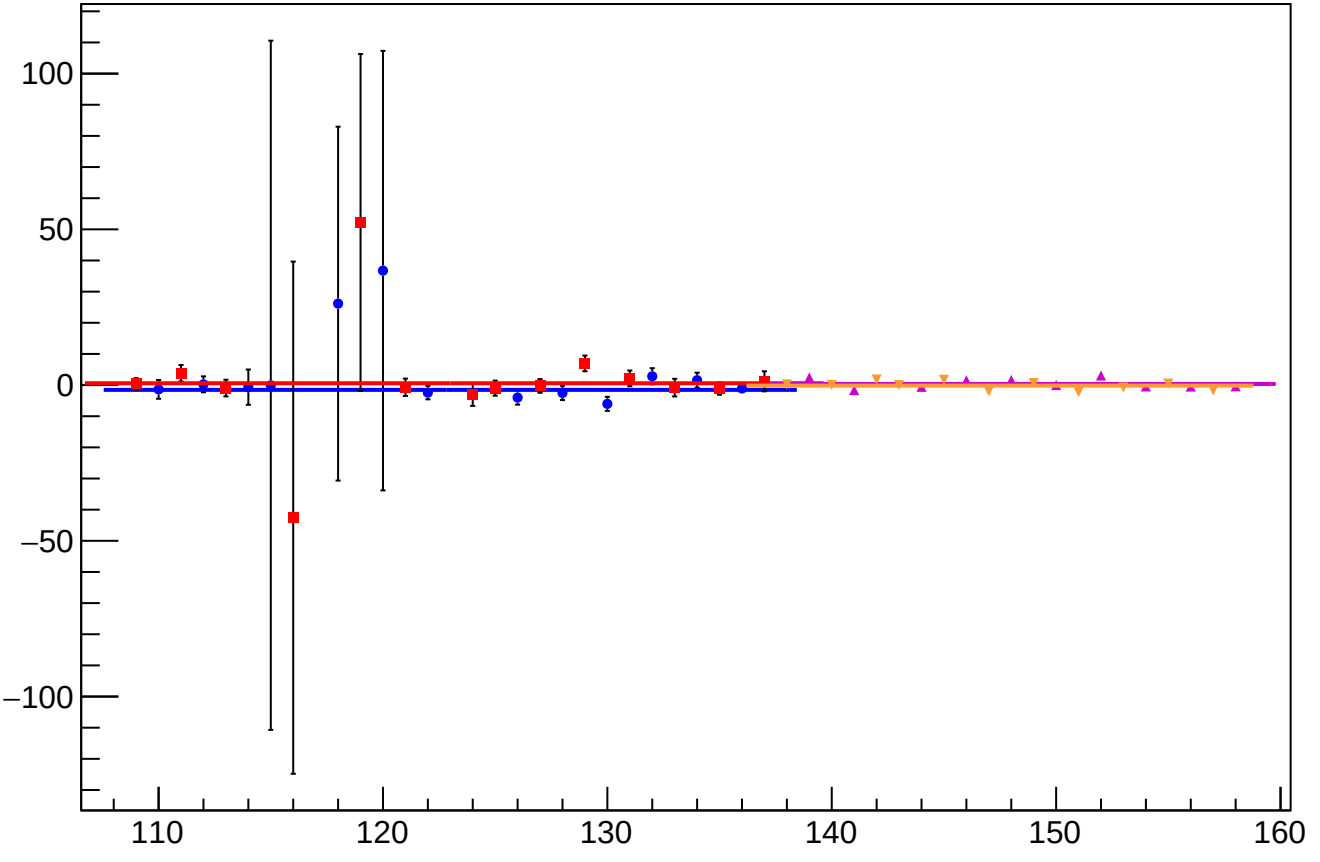
Left In: 4012.520+/-0.970 χ^2/NDF:190670.2/9

+ sign 3712.602+/-0.669 χ^2/NDF: 792855.5/26

All: 3736.442+/-0.473 χ^2/NDF: 1393547.4/55

- sign 3760.222+/-0.668 χ^2/NDF: 598156.8/28

diff_bpm1p02bX_mean vs Slug



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: -0.172+/-0.346 χ^2/NDF:13.5/10

Right Out: 0.588+/-0.717 χ^2/NDF: 12.7/13

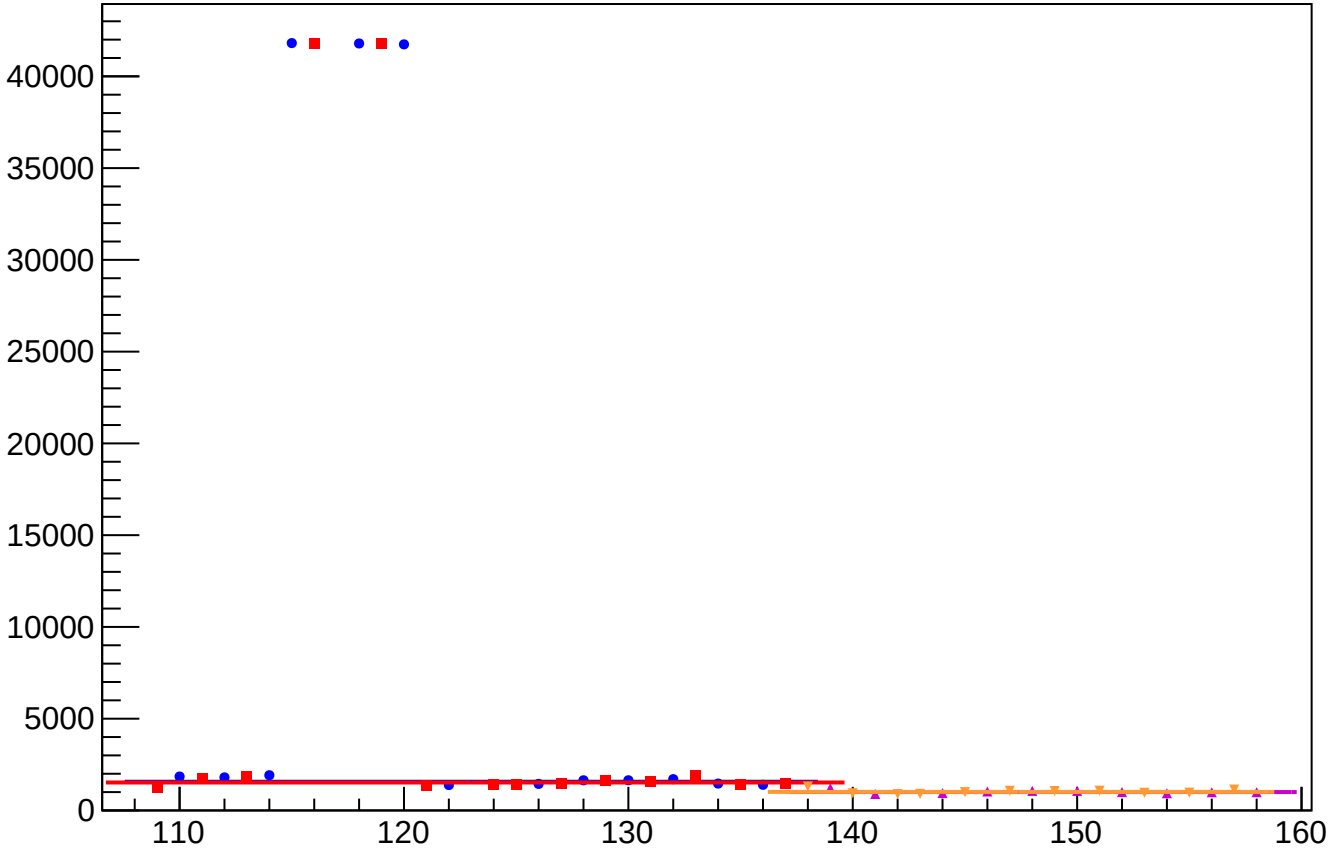
Left In: 0.360+/-0.341 χ^2/NDF:18.0/9

+ sign -0.420+/-0.313 χ^2/NDF: 27.4/23

All: -0.003+/-0.220 χ^2/NDF: 61.6/47

- sign 0.402+/-0.308 χ^2/NDF: 30.7/23

diff_bpm1p02bX_rms vs Slug



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 1010.978+/-0.244 χ^2/NDF:168478.6/10

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

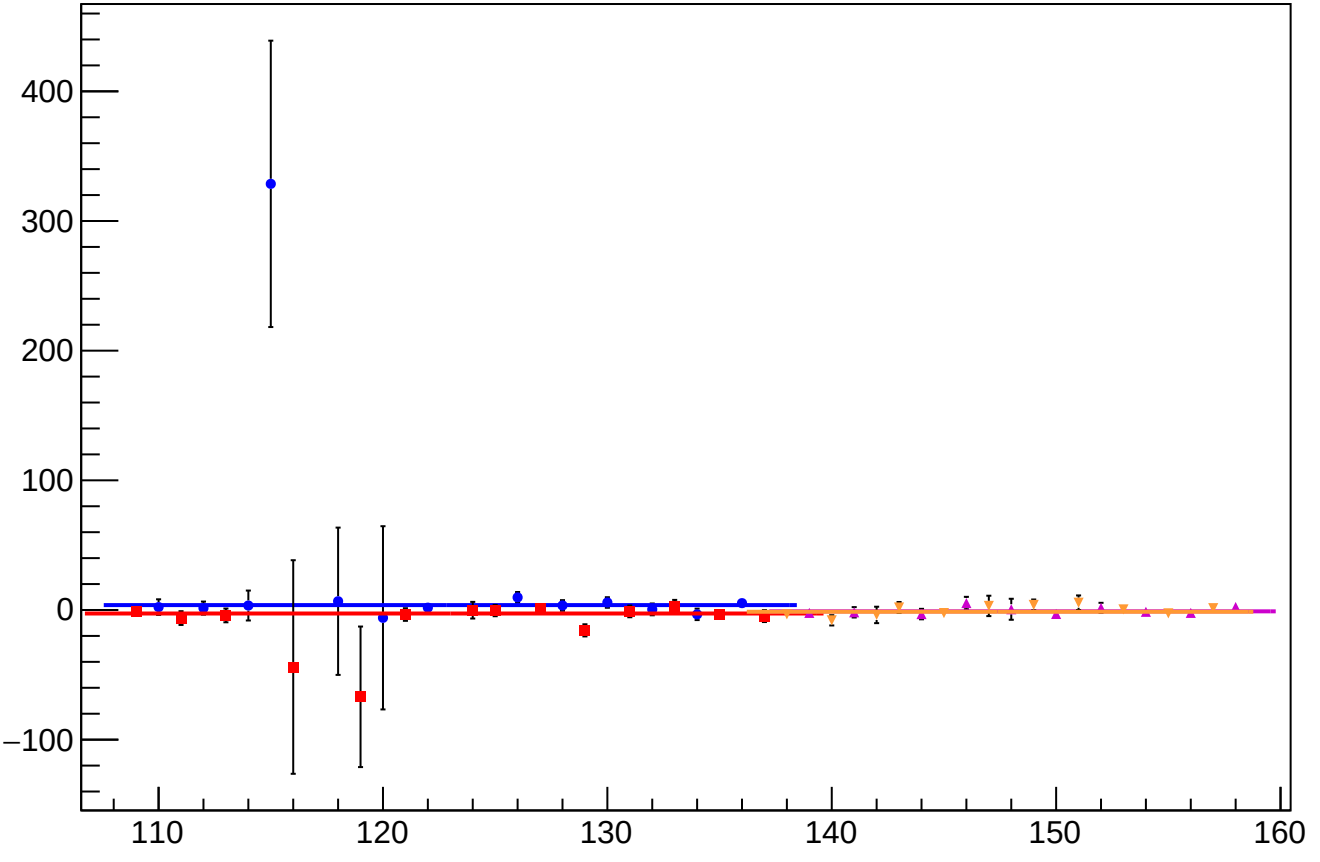
Left In: 1002.864+/-0.241 χ^2/NDF:104225.7/9

+ sign 1111.742+/-0.221 χ^2/NDF: 3118348.6/23

All: 1105.354+/-0.155 χ^2/NDF: 5823828.5/47

- sign 1099.142+/-0.218 χ^2/NDF: 2703833.0/23

diff_bpm1p02bY_mean vs Slug



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -1.356+/-1.122 χ^2/NDF:8.9/10

Right Out: -2.709+/-1.211 χ^2/NDF: 13.6/13

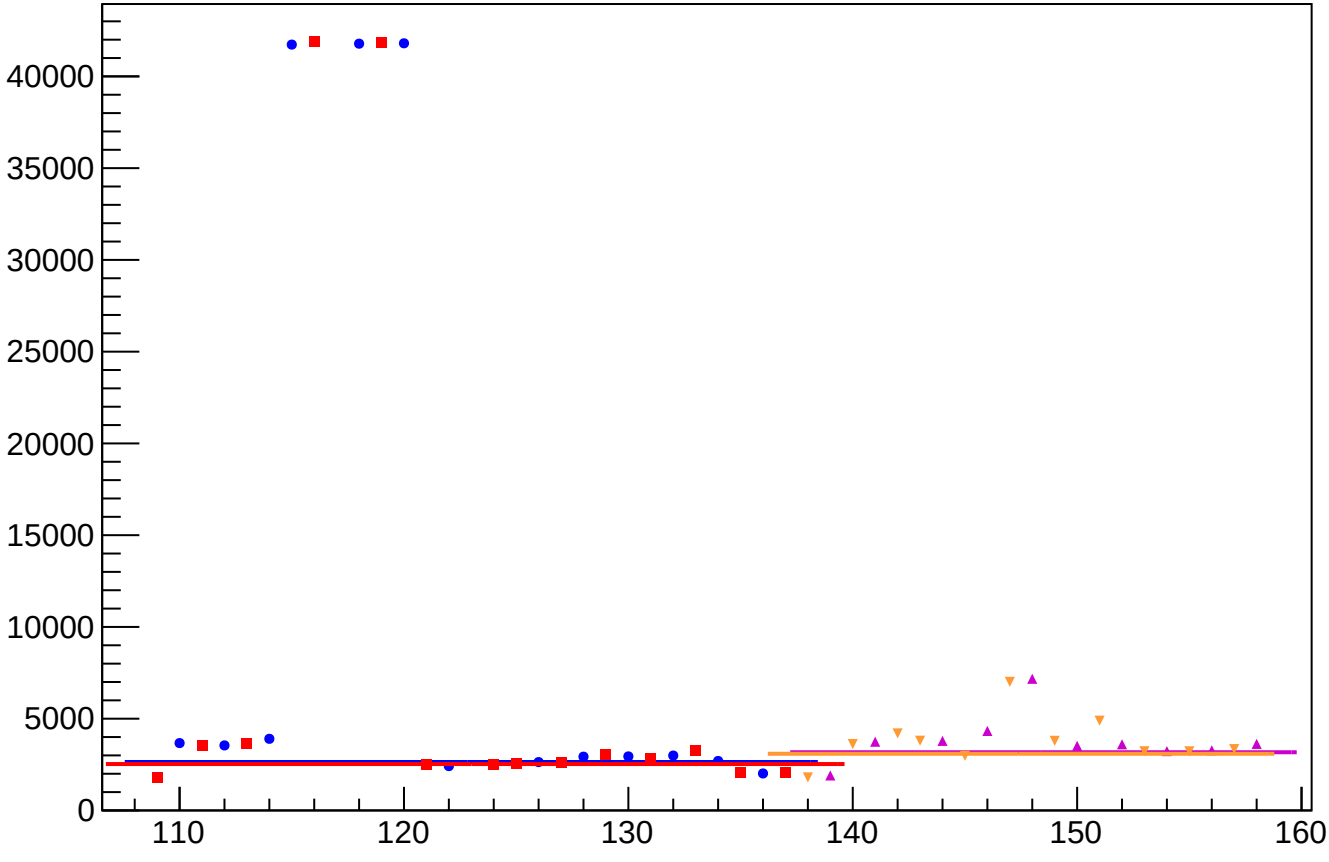
Left In: -1.041+/-1.140 χ^2/NDF:4.1/9

+ sign 0.937+/-0.834 χ^2/NDF: 33.5/23

All: -0.451+/-0.588 χ^2/NDF: 57.7/47

- sign -1.825+/-0.830 χ^2/NDF: 18.7/23

diff_bpm1p02bY_rms vs Slug



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 3088.270+/-0.793 χ^2/NDF:1685084.4/10

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

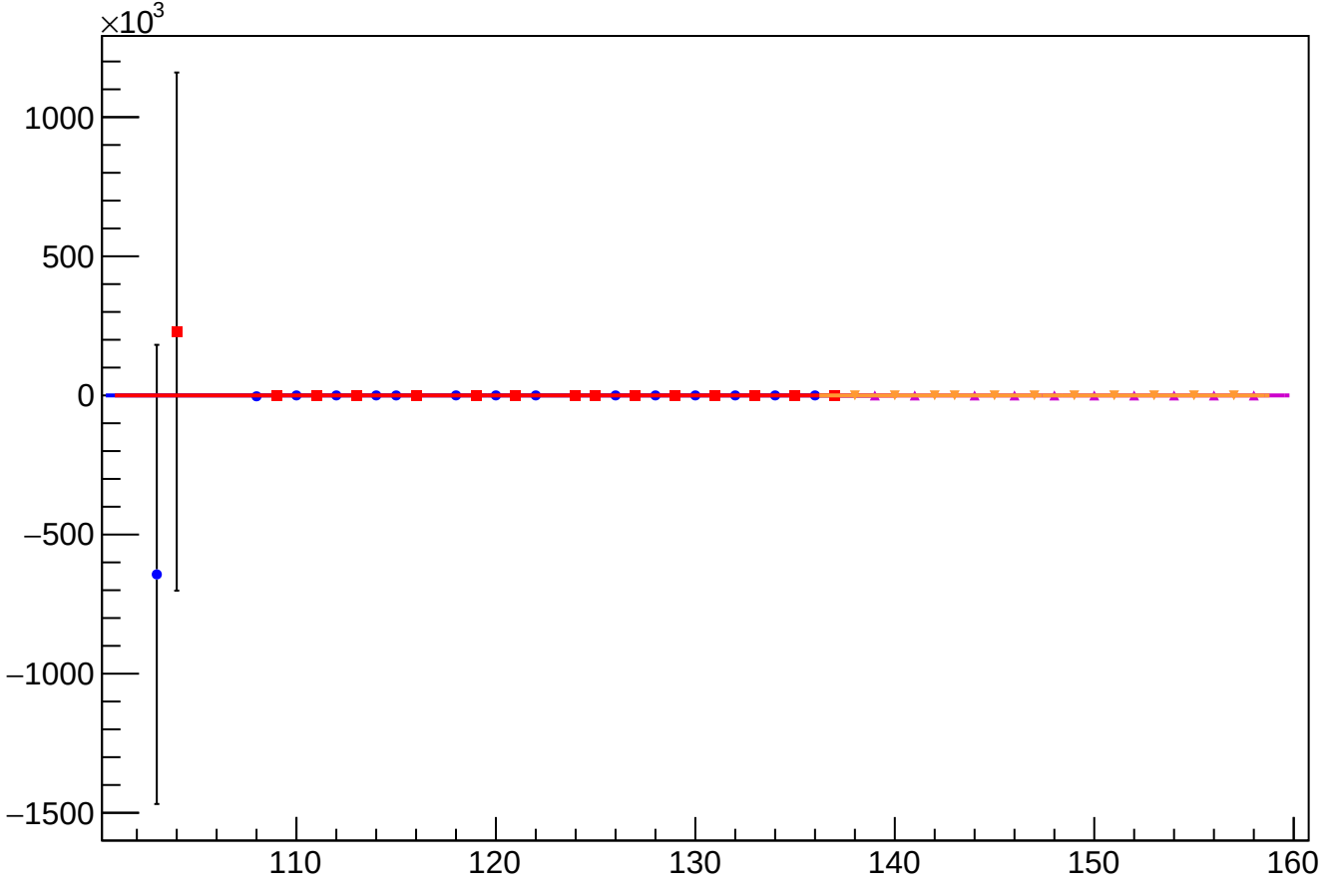
Left In: 3172.058+/-0.806 χ^2/NDF:1482207.0/9

+ sign 2887.969+/-0.590 χ^2/NDF: 4001192.6/23

All: 2878.888+/-0.416 χ^2/NDF: 7732775.8/47

- sign 2869.900+/-0.587 χ^2/NDF: 3731111.8/23

diff_bpm1p03aX_mean vs Slug



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -1.848+/-0.539 χ^2/NDF:24.3/10

Right Out: -2.670+/-1.211 χ^2/NDF: 14.4/14

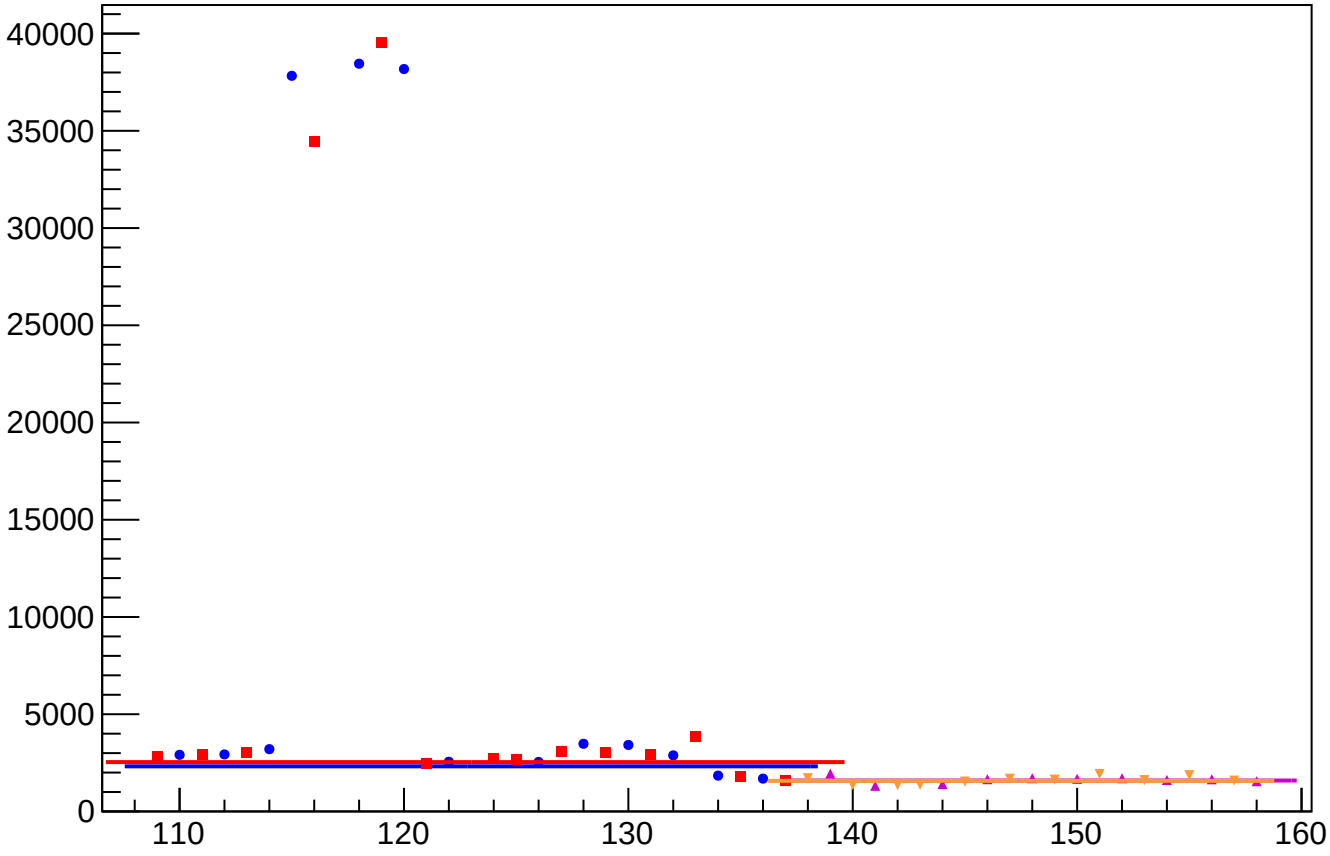
Left In: -0.310+/-0.543 χ^2/NDF:11.4/9

+ sign -1.730+/-0.486 χ^2/NDF: 43.3/25

All: -1.227+/-0.347 χ^2/NDF: 74.5/50

- sign -0.705+/-0.496 χ^2/NDF: 29.0/24

diff_bpm1p03aX_rms vs Slug



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1574.123+/-0.381 χ^2/NDF:216332.1/10

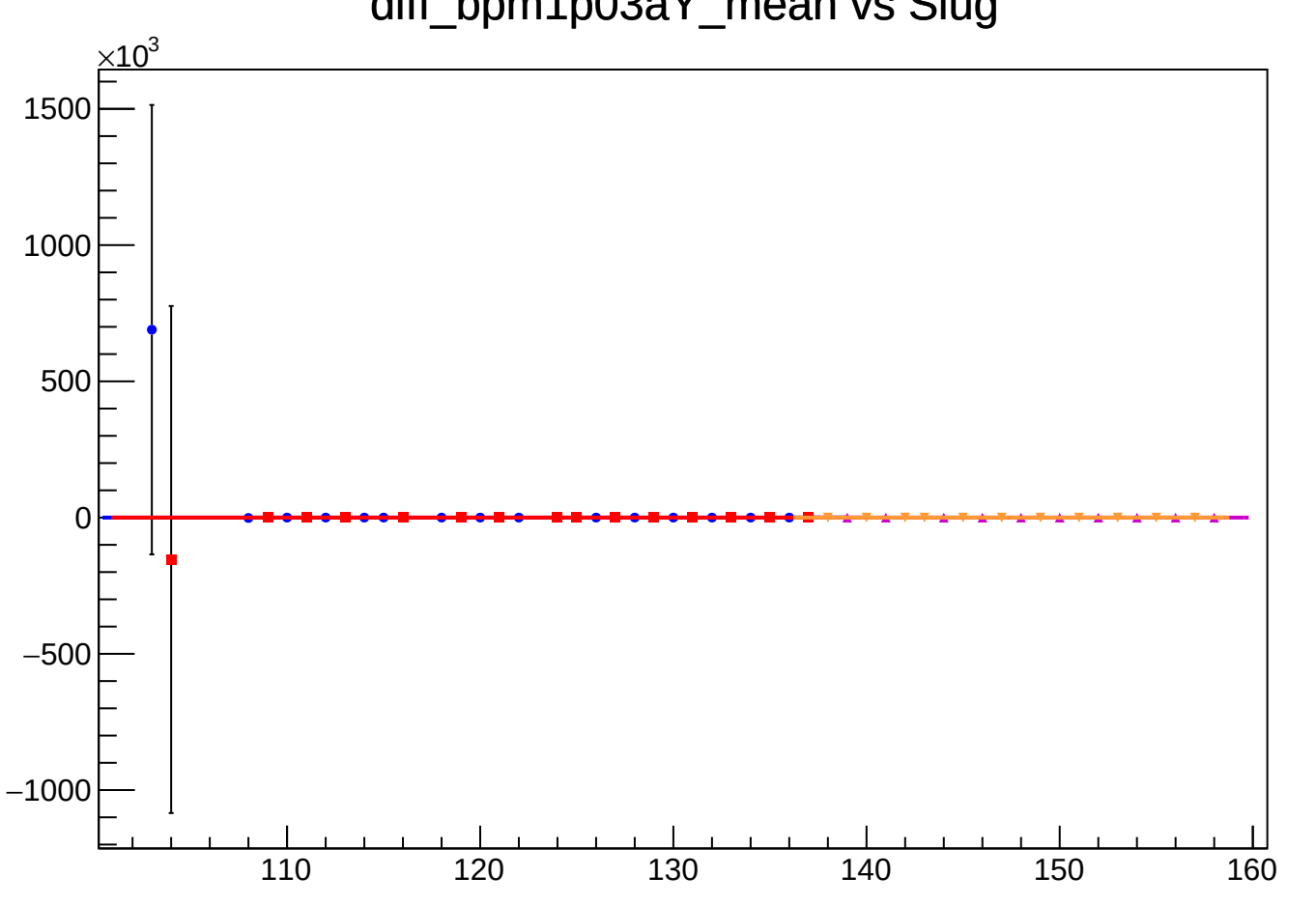
Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

Left In: 1590.515+/-0.384 χ^2/NDF:187351.4/9

+ sign 1713.498+/-0.344 χ^2/NDF: 3393248.7/23

All: 1730.954+/-0.245 χ^2/NDF: 6642276.5/47

- sign 1749.084+/-0.350 χ^2/NDF: 3243773.6/23



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -0.258+/-0.740 χ^2/NDF:11.9/10

Right Out: -1.893+/-1.052 χ^2/NDF: 15.3/14

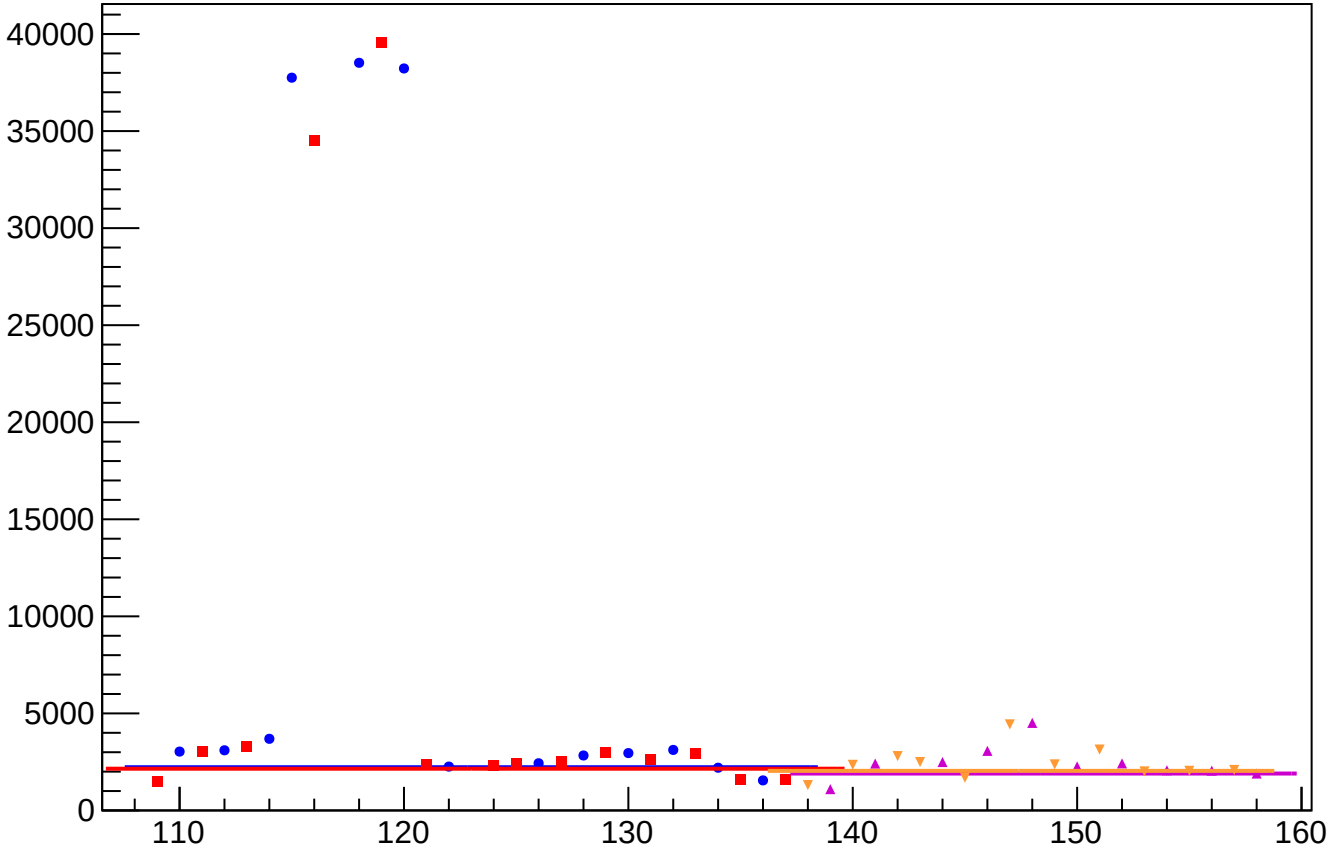
Left In: 0.135+/-0.695 χ^2/NDF:3.9/9

+ sign 0.372+/-0.610 χ^2/NDF: 19.2/25

All: -0.076+/-0.420 χ^2/NDF: 42.0/50

- sign -0.481+/-0.580 χ^2/NDF: 21.8/24

diff_bpm1p03aY_rms vs Slug



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 2039.444+/-0.523 χ^2/NDF:1309142.2/10

Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

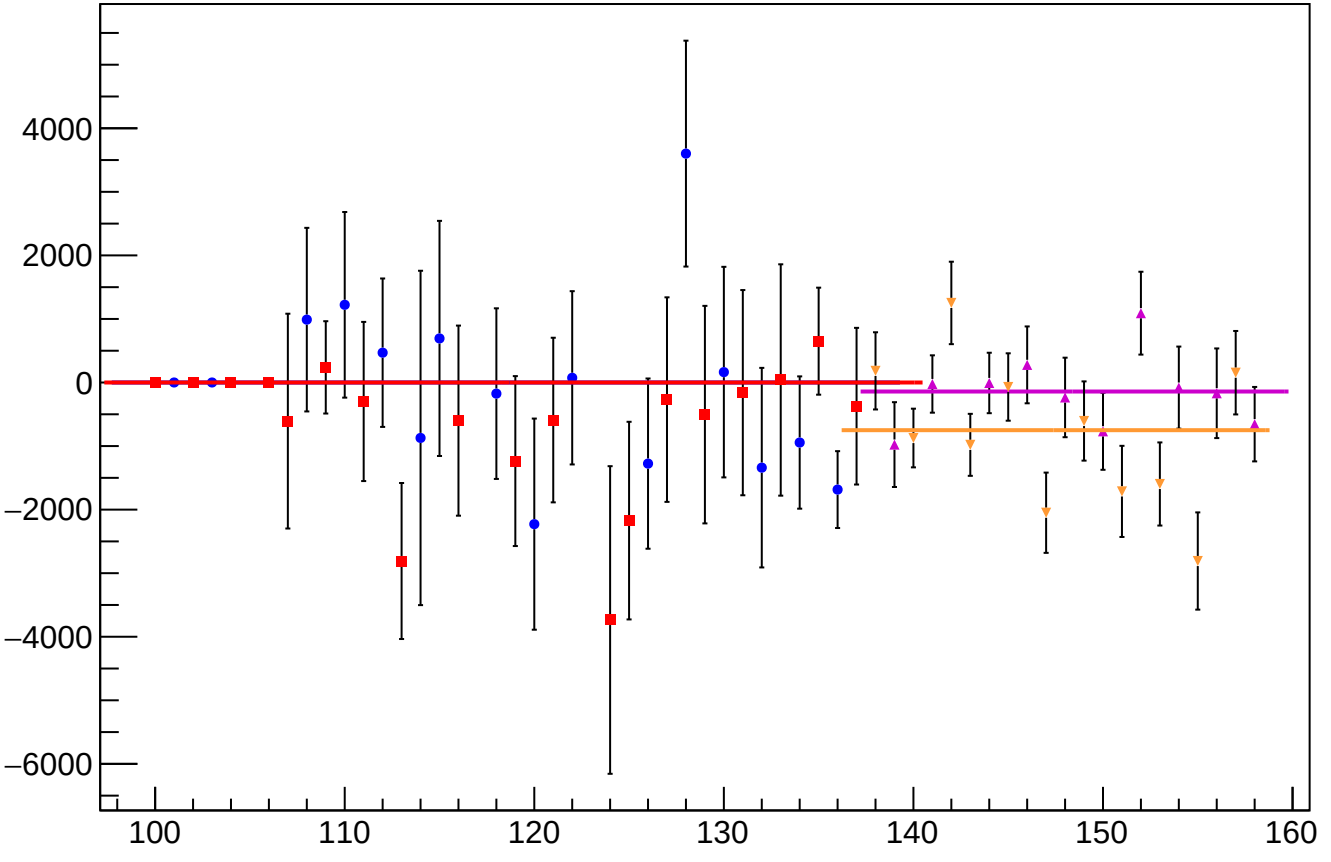
Left In: 1902.123+/-0.491 χ^2/NDF:1992145.7/9

+ sign 2099.572+/-0.431 χ^2/NDF: 3872654.8/23

All: 2035.616+/-0.297 χ^2/NDF: 8215915.6/47

- sign 1977.733+/-0.410 χ^2/NDF: 4301315.2/23

diff_cav4bX_mean vs Slug



Right In: 0.255+/-0.356 χ^2/NDF: 17.7/15

Left Out: -750.101+/-179.794 χ^2/NDF:30.7/10

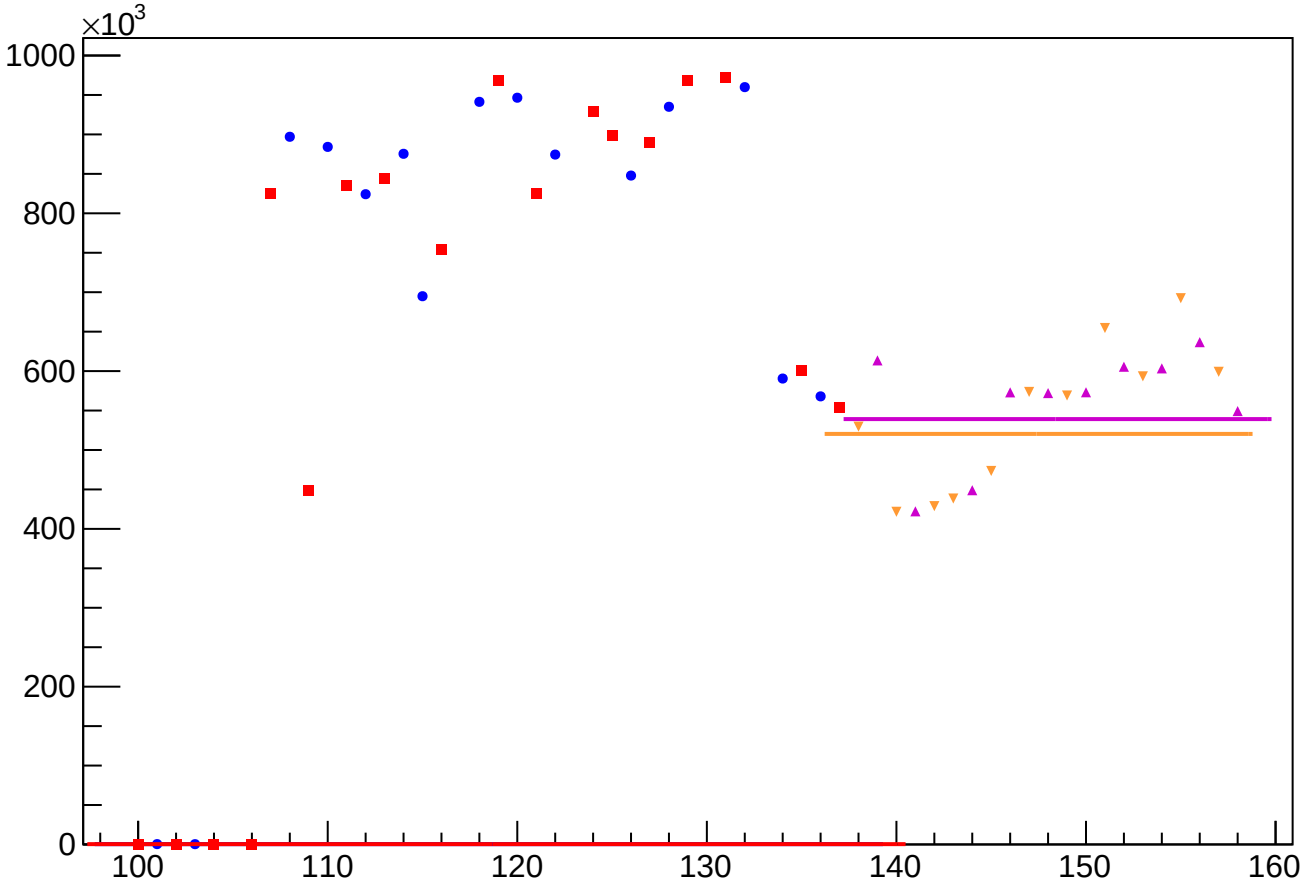
Right Out: 0.096+/-0.328 χ^2/NDF: 15.4/18

Left In: -141.793+/-184.813 χ^2/NDF:7.6/9

\+ sign 0.252+/-0.356 χ^2/NDF: 65.9/26

All: 0.168+/-0.241 χ^2/NDF: 89.6/55

\- sign 0.095+/-0.328 χ^2/NDF: 23.6/28



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 520380.806+/-127.133 χ^2/NDF:455121.7/10

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

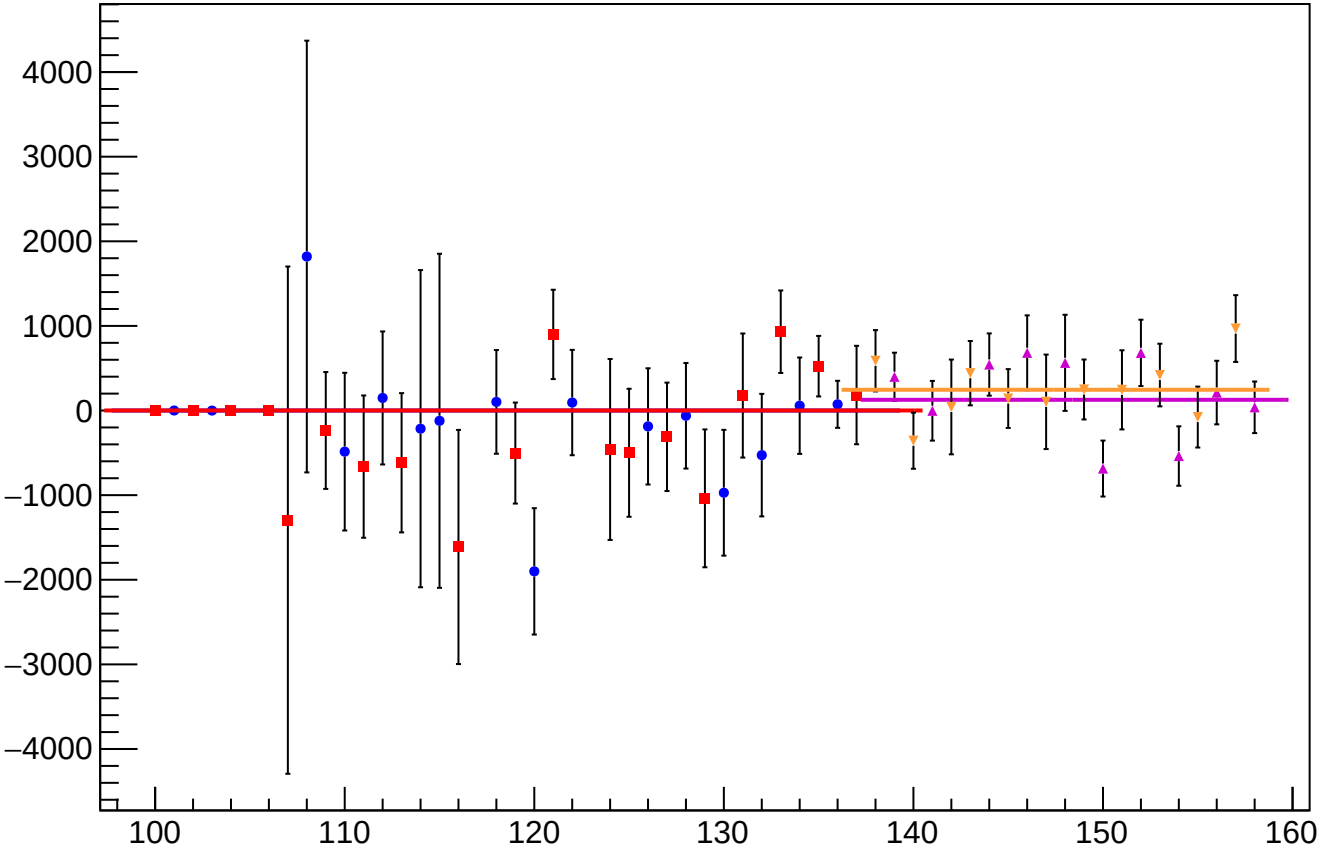
Left In: 539165.901+/-130.683 χ^2/NDF:328569.8/9

+ sign 400.916+/-0.251 χ^2/NDF: 25675410.2/25

All: 397.682+/-0.170 χ^2/NDF: 50649921.5/53

- sign 394.935+/-0.232 χ^2/NDF: 24974205.4/27

diff_cav4bY_mean vs Slug



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 245.222+/-117.614 χ^2/NDF:9.1/10

Right Out: 0.599+/-0.324 χ^2/NDF: 15.0/18

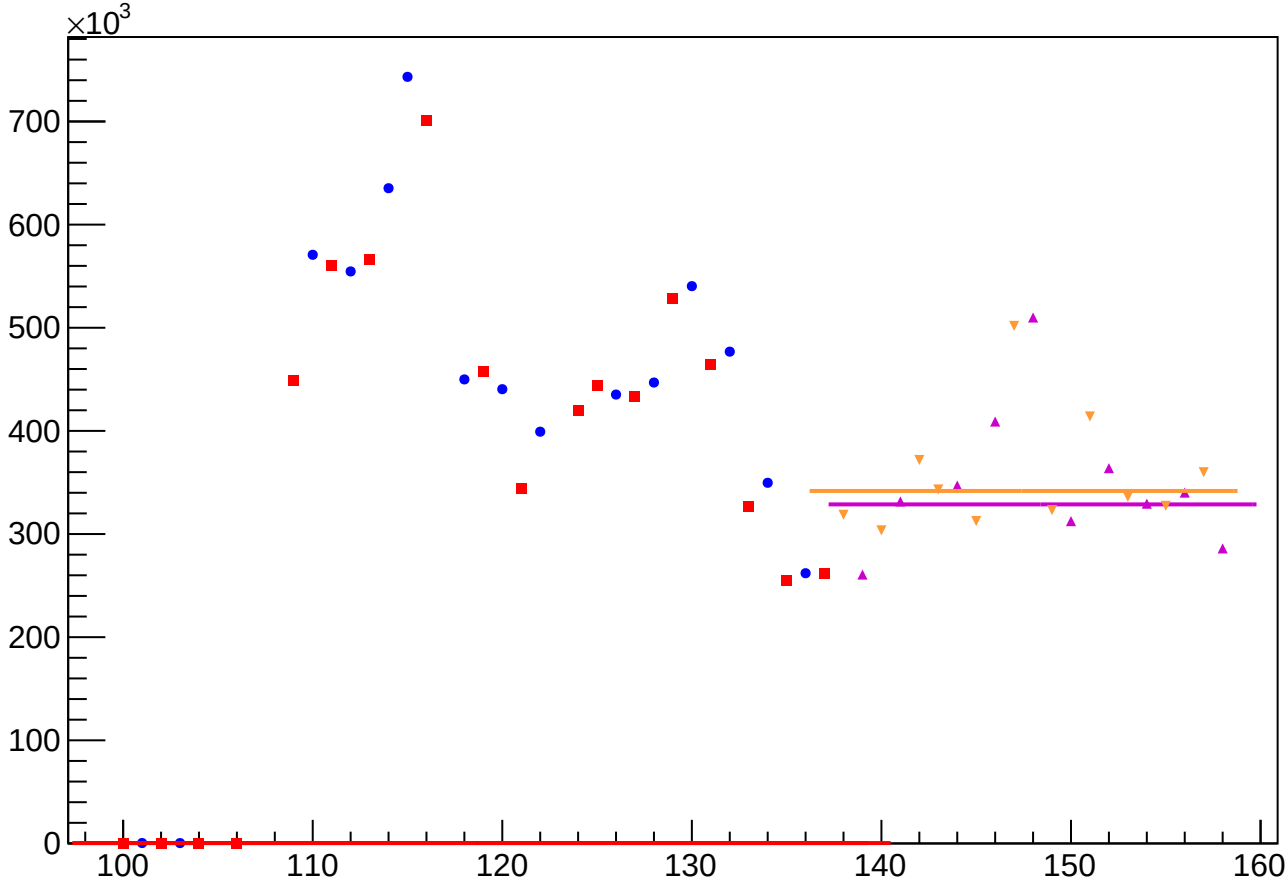
Left In: 126.934+/-113.538 χ^2/NDF:16.3/9

+ sign -0.018+/-0.347 χ^2/NDF: 23.9/26

All: 0.312+/-0.237 χ^2/NDF: 58.1/55

- sign 0.600+/-0.324 χ^2/NDF: 32.5/28

diff_cav4bY_rms vs Slug



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 341772.960+/-83.166 χ^2/NDF:280140.9/10

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

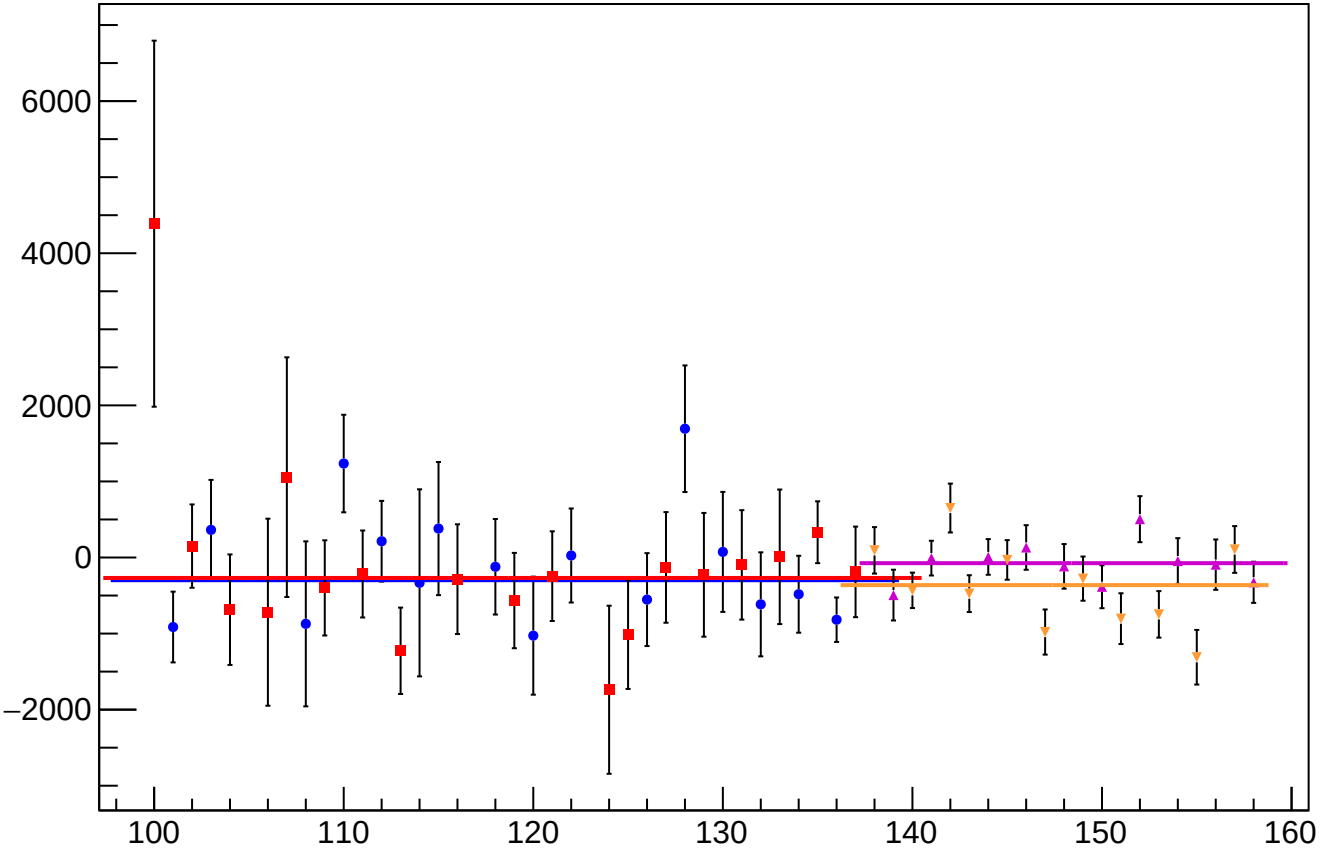
Left In: 328743.938+/-80.291 χ^2/NDF:450331.1/9

+ sign 393.249+/-0.245 χ^2/NDF: 28262070.1/25

All: 391.862+/-0.167 χ^2/NDF: 56511119.3/53

- sign 390.654+/-0.229 χ^2/NDF: 28248989.4/27

diff_cav4cX_mean vs Slug



Right In: -298.263+/-147.367 χ^2/NDF: 21.2/15

Left Out: -363.041+/-87.061 χ^2/NDF:31.1/10

Right Out: -268.892+/-156.582 χ^2/NDF: 13.9/18

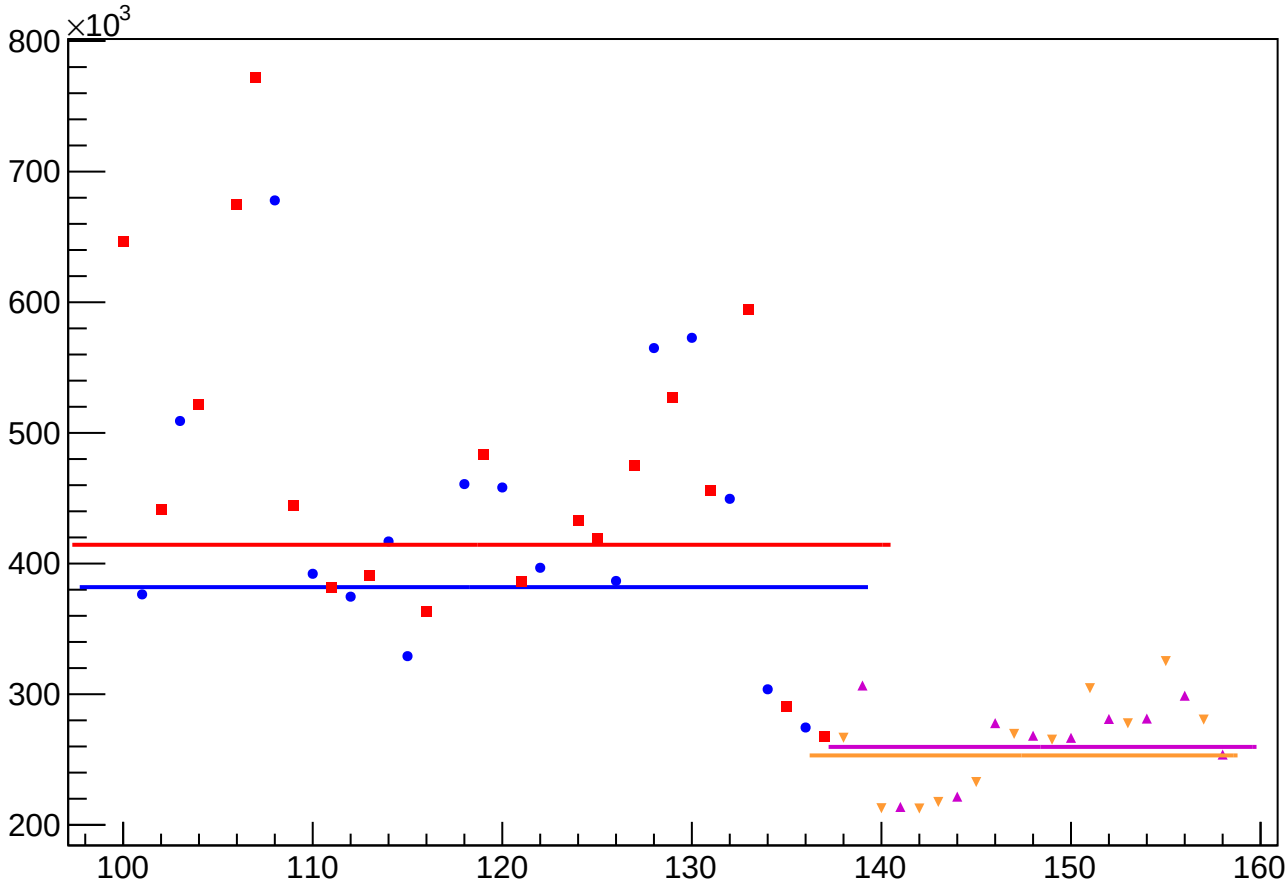
Left In: -74.386+/-88.728 χ^2/NDF:8.1/9

+ sign -346.282+/-74.957 χ^2/NDF: 52.5/26

All: -237.275+/-53.777 χ^2/NDF: 79.9/55

- sign -121.661+/-77.196 χ^2/NDF: 23.1/28

diff_cav4cX_rms vs Slug



Right In: 381960.471+/-104.223 χ^2/NDF: 836441.6/15

Left Out: 253152.991+/-61.561 χ^2/NDF:318463.3/10

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

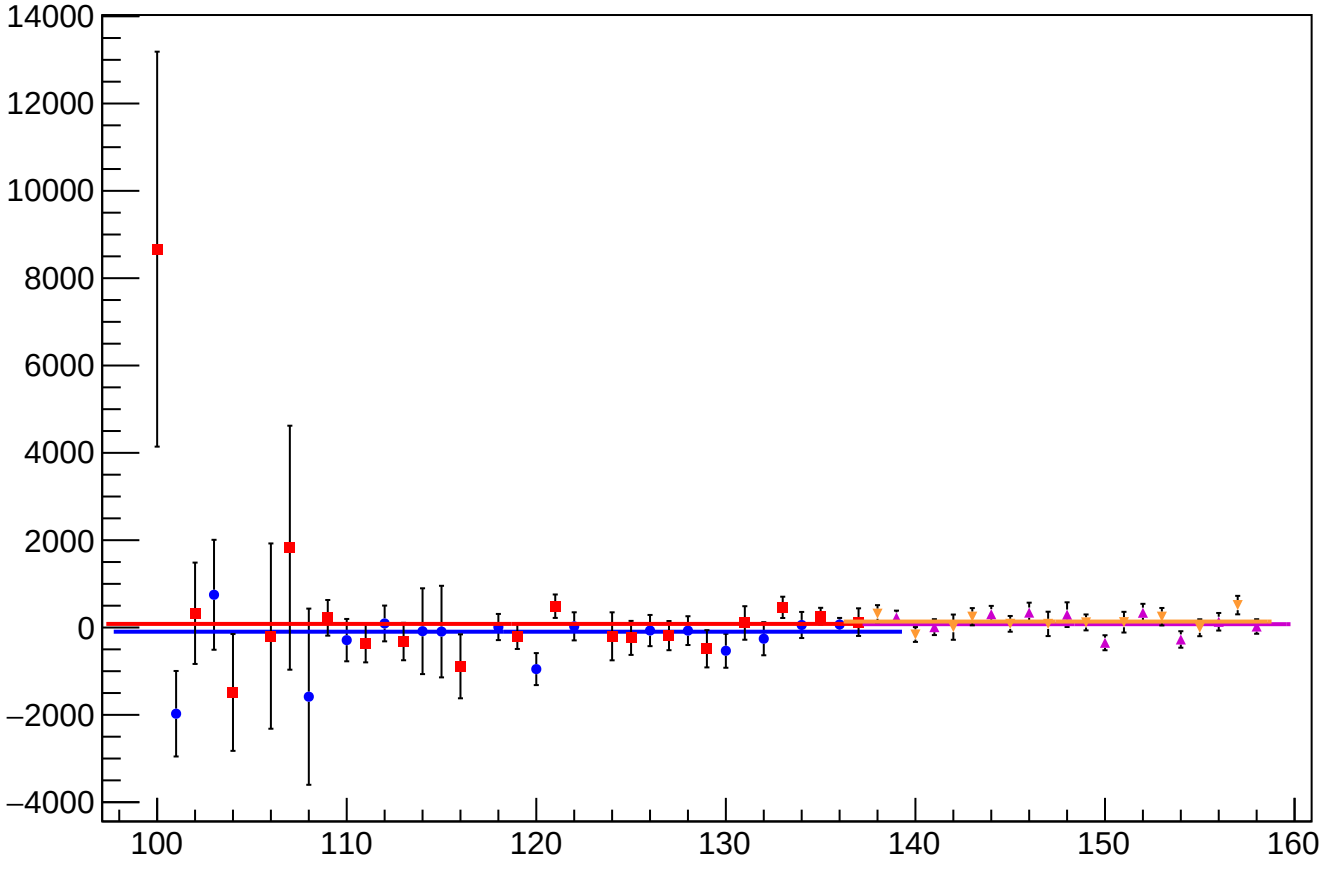
Left In: 259678.221+/-62.740 χ^2/NDF:233490.0/9

+ sign 286468.851+/-53.005 χ^2/NDF: 2287248.5/26

All: 291707.572+/-38.028 χ^2/NDF: 4778099.

- sign 297263.994+/-54.589 χ^2/NDF: 2470721.9/28

diff_cav4cY_mean vs Slug



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 136.578+/-61.529 χ^2/NDF:8.6/10

Right Out: 82.750+/-87.316 χ^2/NDF: 19.1/18

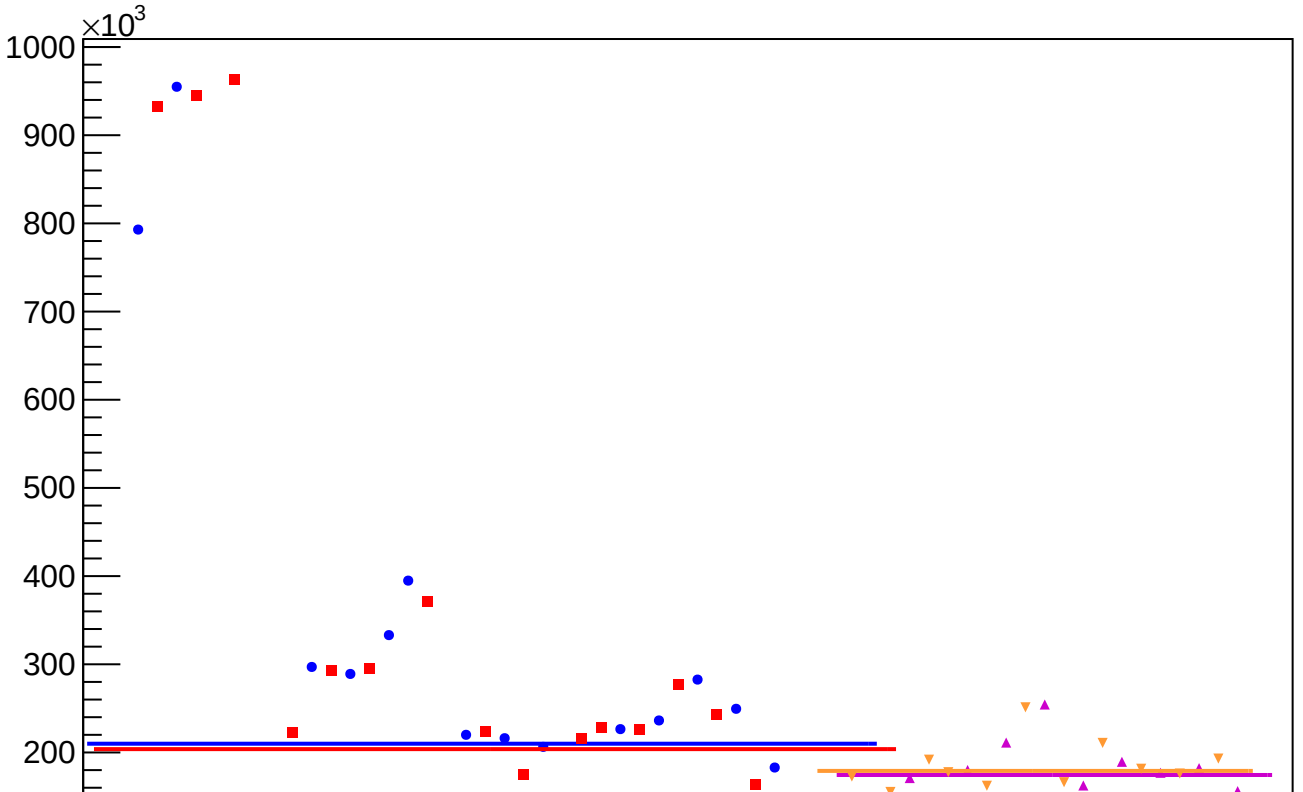
Left In: 76.640+/-60.005 χ^2/NDF:15.9/9

+ sign 60.570+/-50.476 χ^2/NDF: 26.9/26

All: 69.769+/-35.325 χ^2/NDF: 62.0/55

- sign 78.600+/-49.453 χ^2/NDF: 35.0/28

diff_cav4cY_rms vs Slug



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 179093.688+/-43.508 χ^2/NDF:252013.4/10

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

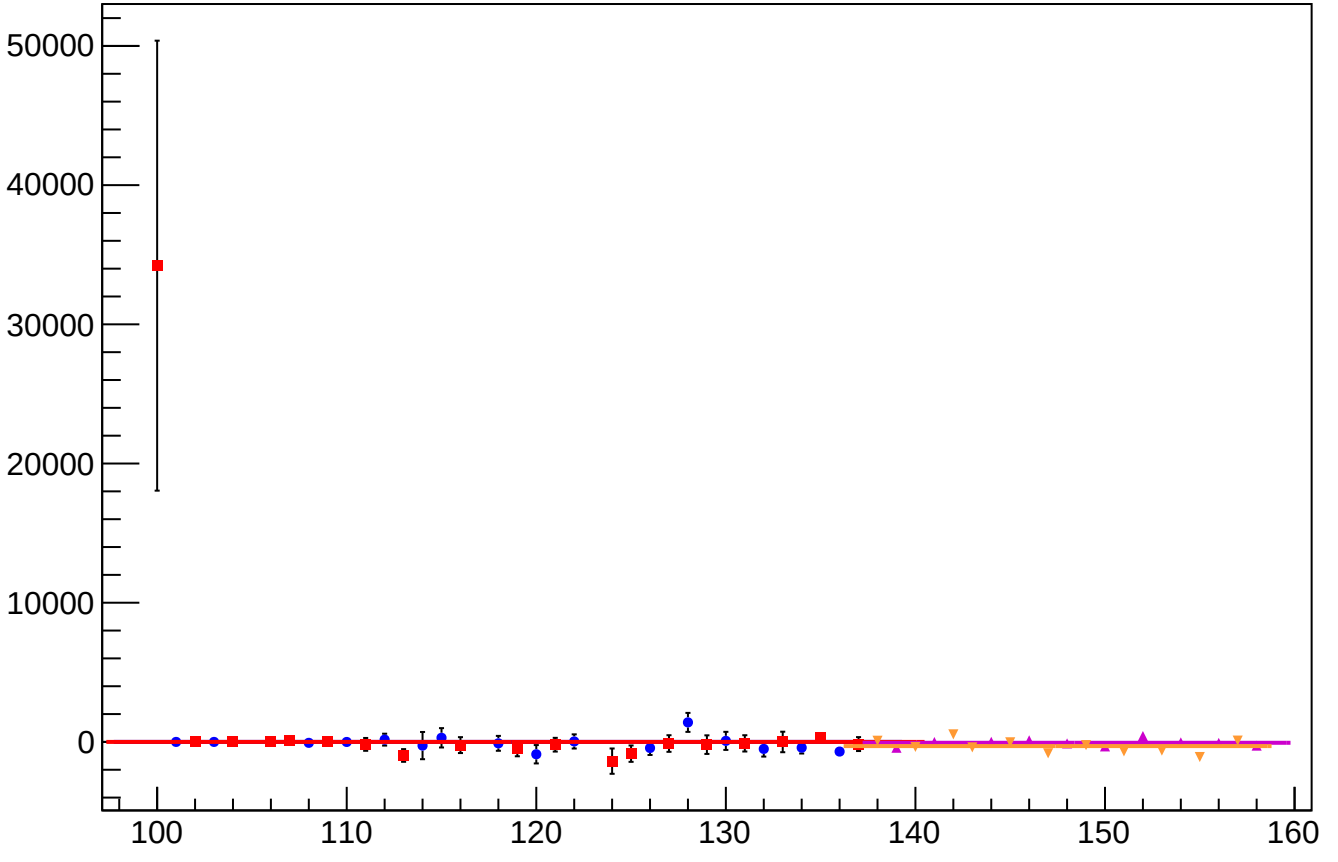
Left In: 174458.157+/-42.430 χ^2/NDF:348208.8/9

+ sign 189153.904+/-35.712 χ^2/NDF: 2375789.2/25

All: 186441.470+/-24.995 χ^2/NDF: 4958602.

- sign 183836.655+/-34.997 χ^2/NDF: 2571504.2/26

diff_cav4dX_mean vs Slug



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -300.142+/-72.764 χ^2/NDF:31.2/10

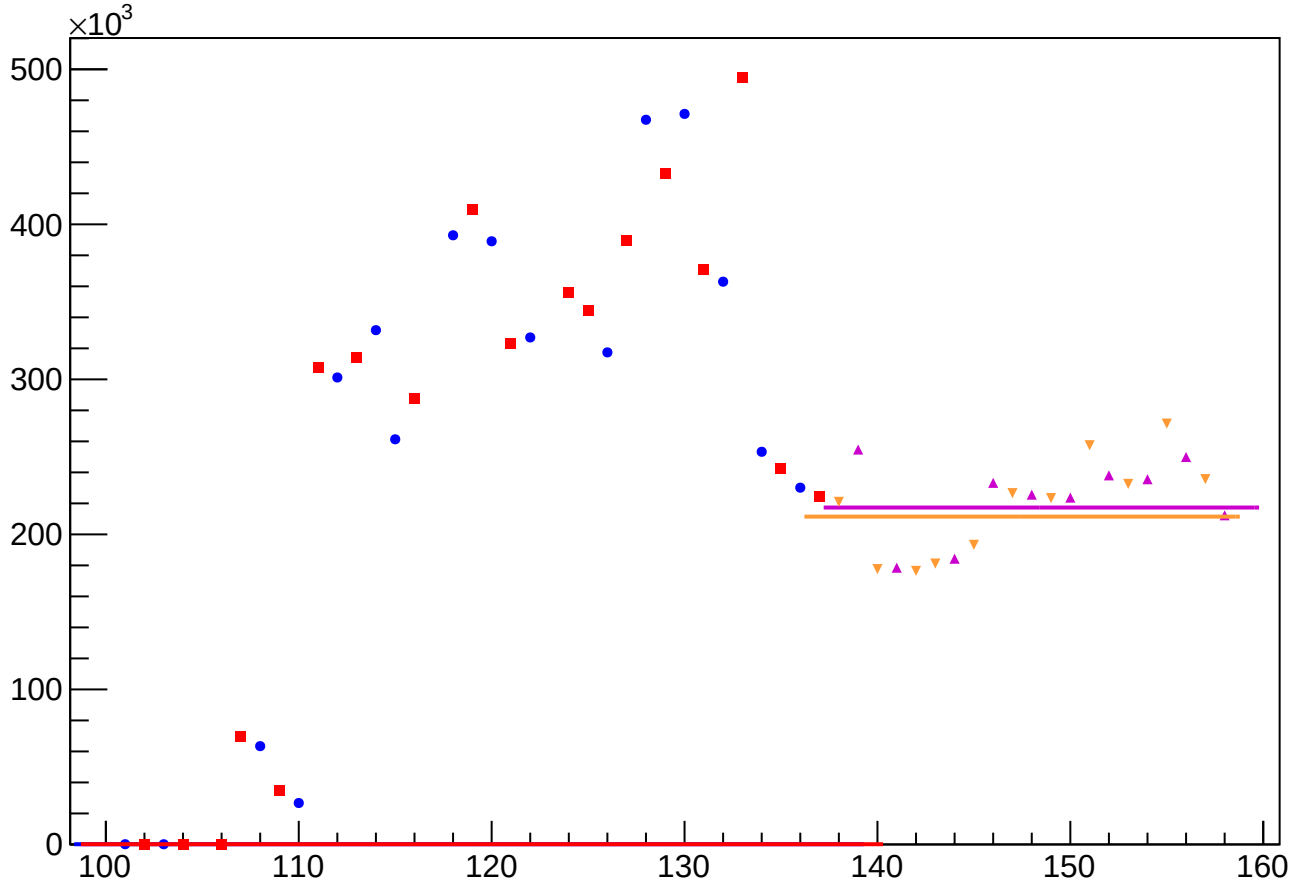
Right Out: -0.355+/-0.160 χ^2/NDF: 16.5/18

Left In: -62.742+/-74.274 χ^2/NDF:8.0/9

+ sign -0.037+/-0.172 χ^2/NDF: 66.3/26

All: -0.208+/-0.117 χ^2/NDF: 93.3/55

- sign -0.355+/-0.160 χ^2/NDF: 25.2/28



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 211460.144+/-51.452 χ^2/NDF:333945.1/10

Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

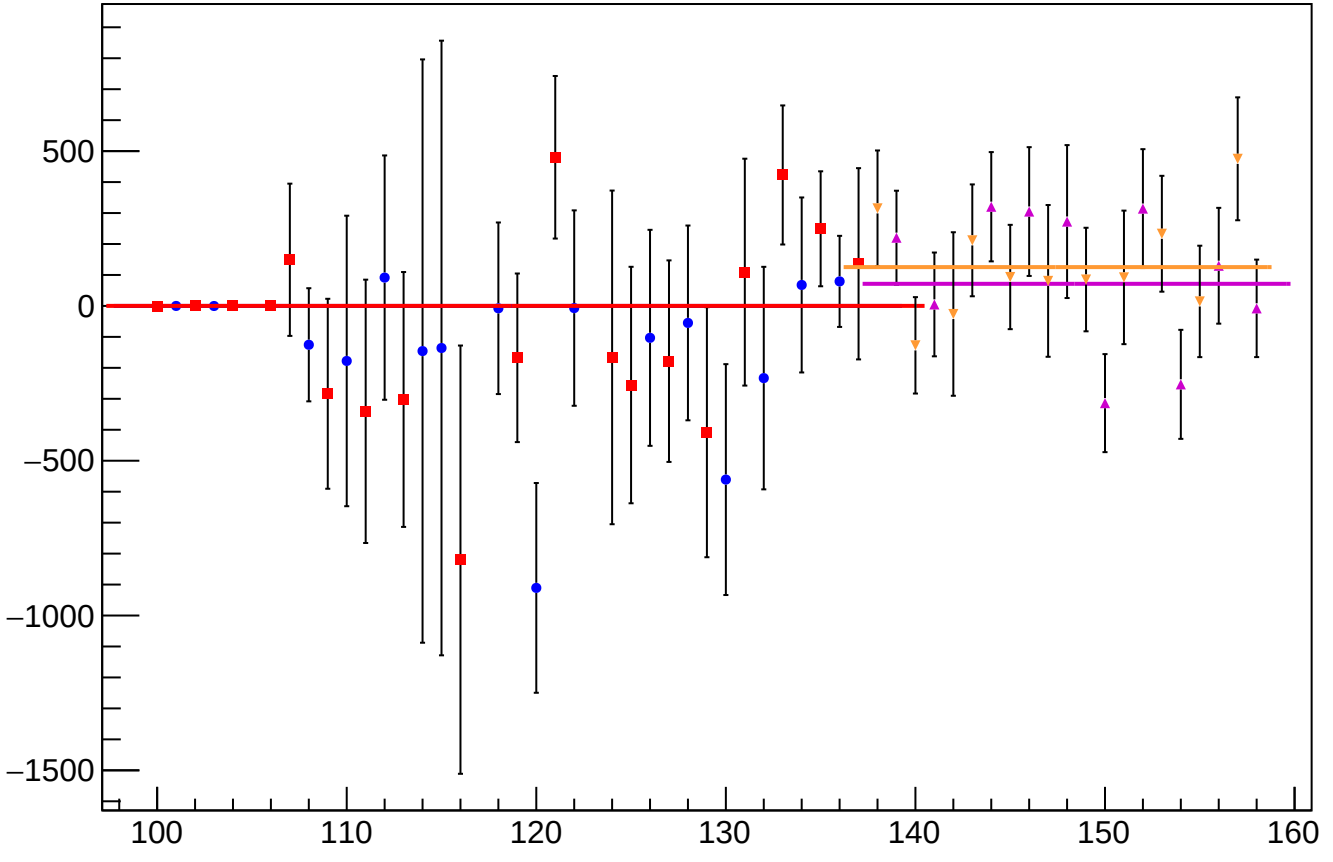
Left In: 217325.570+/-52.520 χ^2/NDF:241133.6/9

+ sign 150.276+/-0.122 χ^2/NDF: 28503020.4/26

All: 150.336+/-0.083 χ^2/NDF: 57132179.4/54

- sign 150.388+/-0.113 χ^2/NDF: 28629158.5/27

diff_cav4dY_mean vs Slug



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 125.364+/-56.907 χ^2/NDF:8.2/10

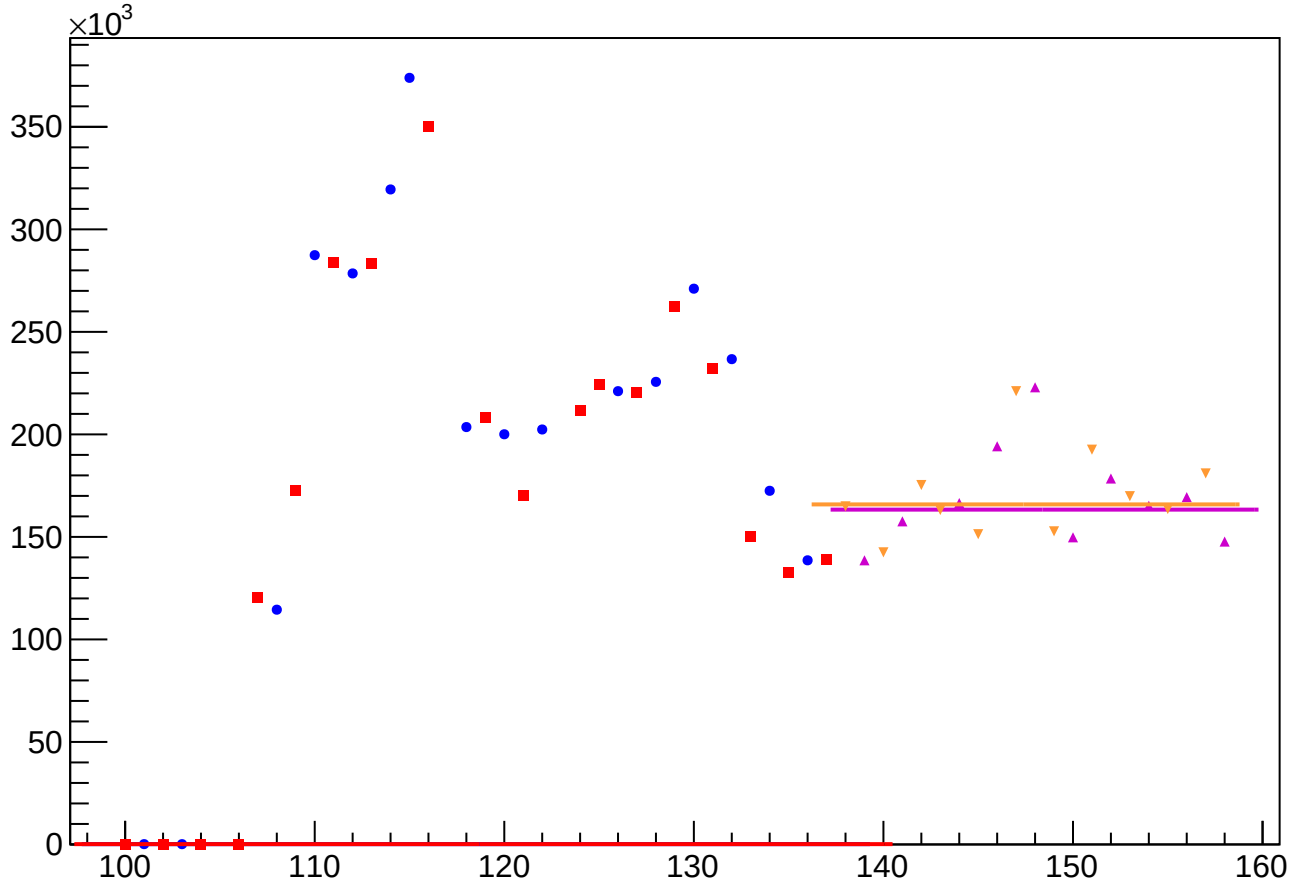
Right Out: 0.126+/-0.166 χ^2/NDF: 15.2/18

Left In: 71.394+/-56.004 χ^2/NDF:16.3/9

+ sign -0.067+/-0.177 χ^2/NDF: 24.3/26

All: 0.036+/-0.121 χ^2/NDF: 58.1/55

- sign 0.127+/-0.166 χ^2/NDF: 33.2/28



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 165851.101+/-40.239 χ^2/NDF:220342.9/10

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

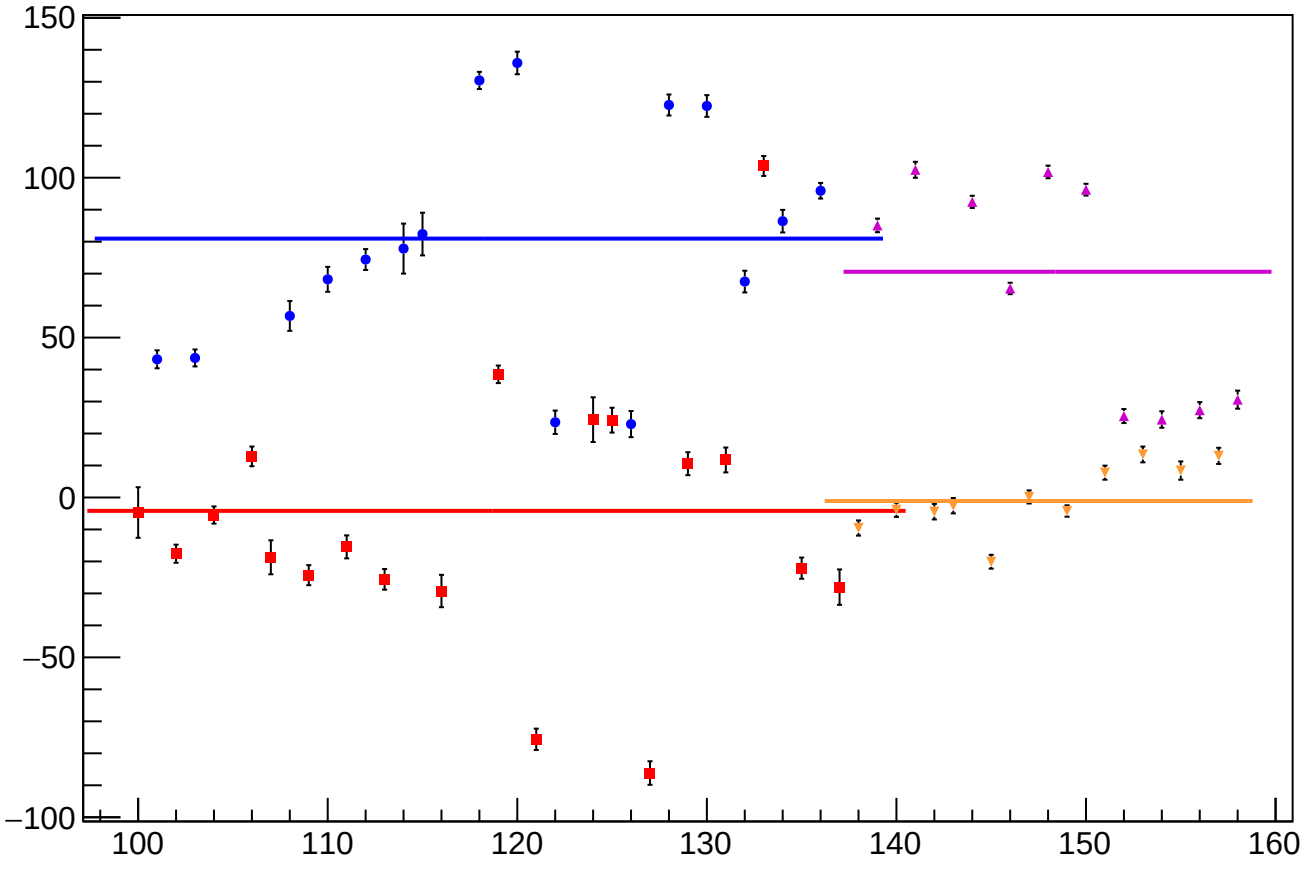
Left In: 163304.608+/-39.601 χ^2/NDF:265832.1/9

+ sign 155.067+/-0.125 χ^2/NDF: 29081305.8/26

All: 156.412+/-0.086 χ^2/NDF: 57651172.2/55

- sign 157.599+/-0.118 χ^2/NDF: 28569649.5/28

diff_bpm0i01X_mean vs Slug



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: -1.100+/-0.684 χ^2/NDF:189.8/10

Right Out: -4.183+/-0.820 χ^2/NDF: 2719.7/18

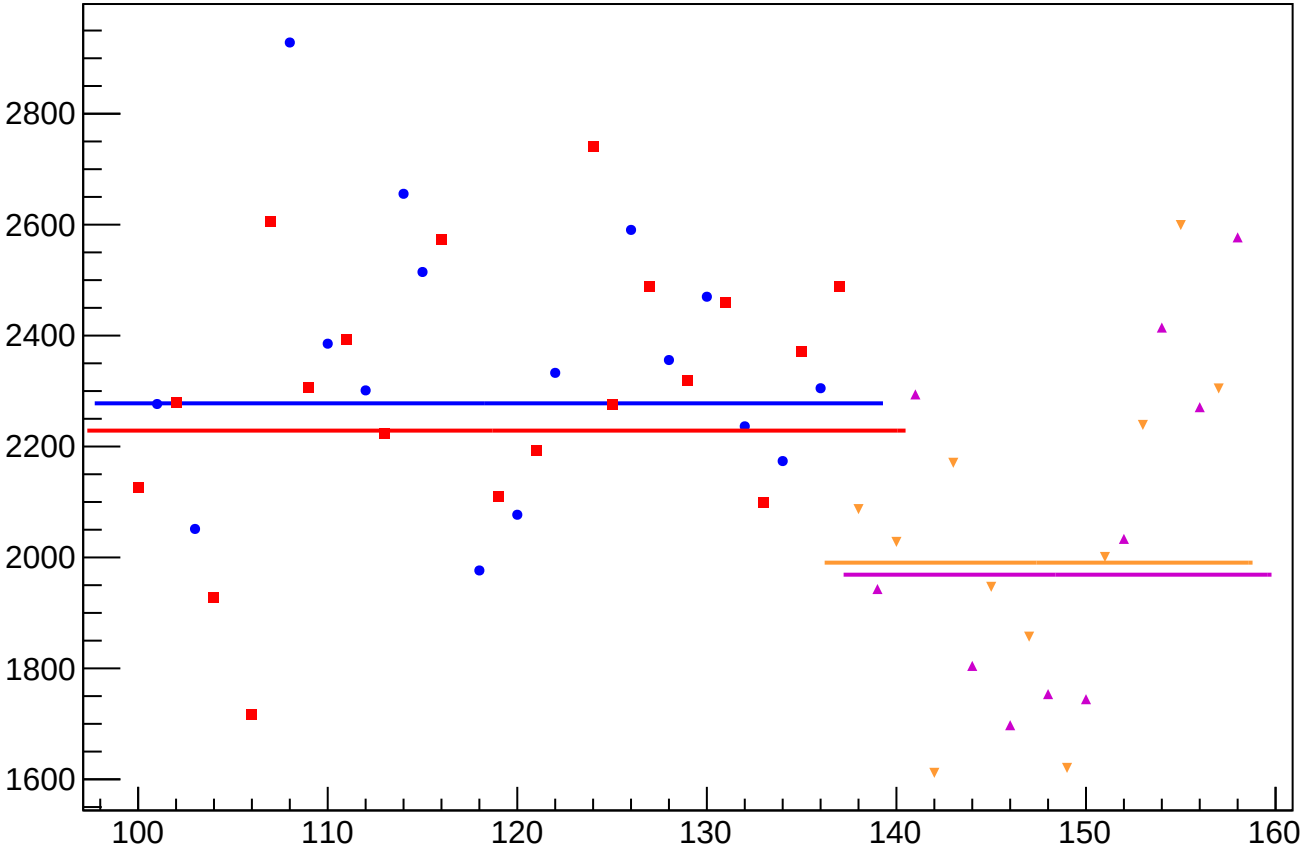
Left In: 70.585+/-0.681 χ^2/NDF:2031.2/9

+ sign 31.084+/-0.533 χ^2/NDF: 7648.3/26

All: 35.659+/-0.374 χ^2/NDF: 17463.9/55

- sign 40.075+/-0.524 χ^2/NDF: 9670.9/28

diff_bpm0i01X_rms vs Slug



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 1990.627+/-0.484 χ^2/NDF:301303.1/10

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

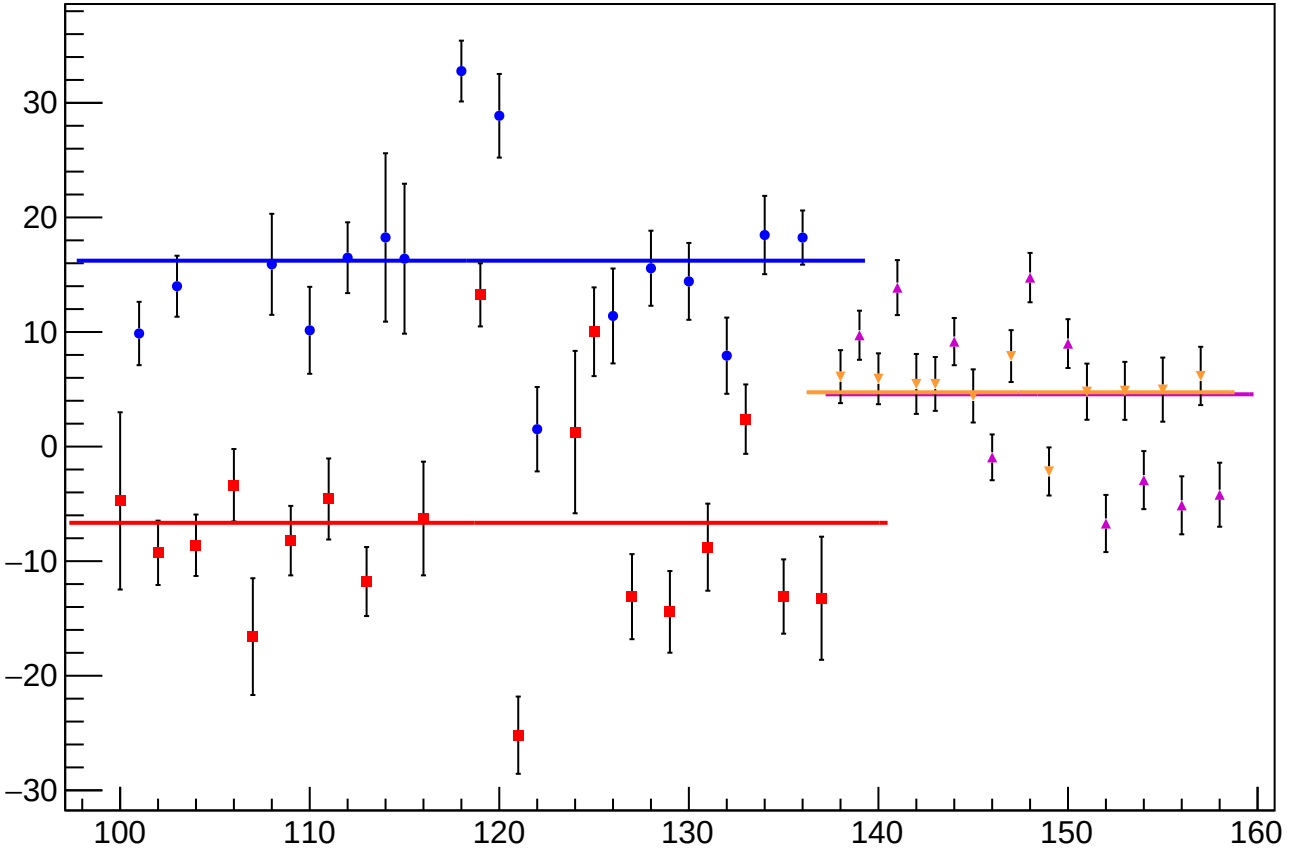
Left In: 1968.921+/-0.481 χ^2/NDF:330988.9/9

+ sign 2103.290+/-0.377 χ^2/NDF: 555412.9/26

All: 2088.856+/-0.264 χ^2/NDF: 1159194.4/55

- sign 2074.925+/-0.370 χ^2/NDF: 600901.9/28

diff_bpm0i01Y_mean vs Slug



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 4.739+/-0.720 χ^2/NDF:13.9/10

Right Out: -6.652+/-0.809 χ^2/NDF: 134.6/18

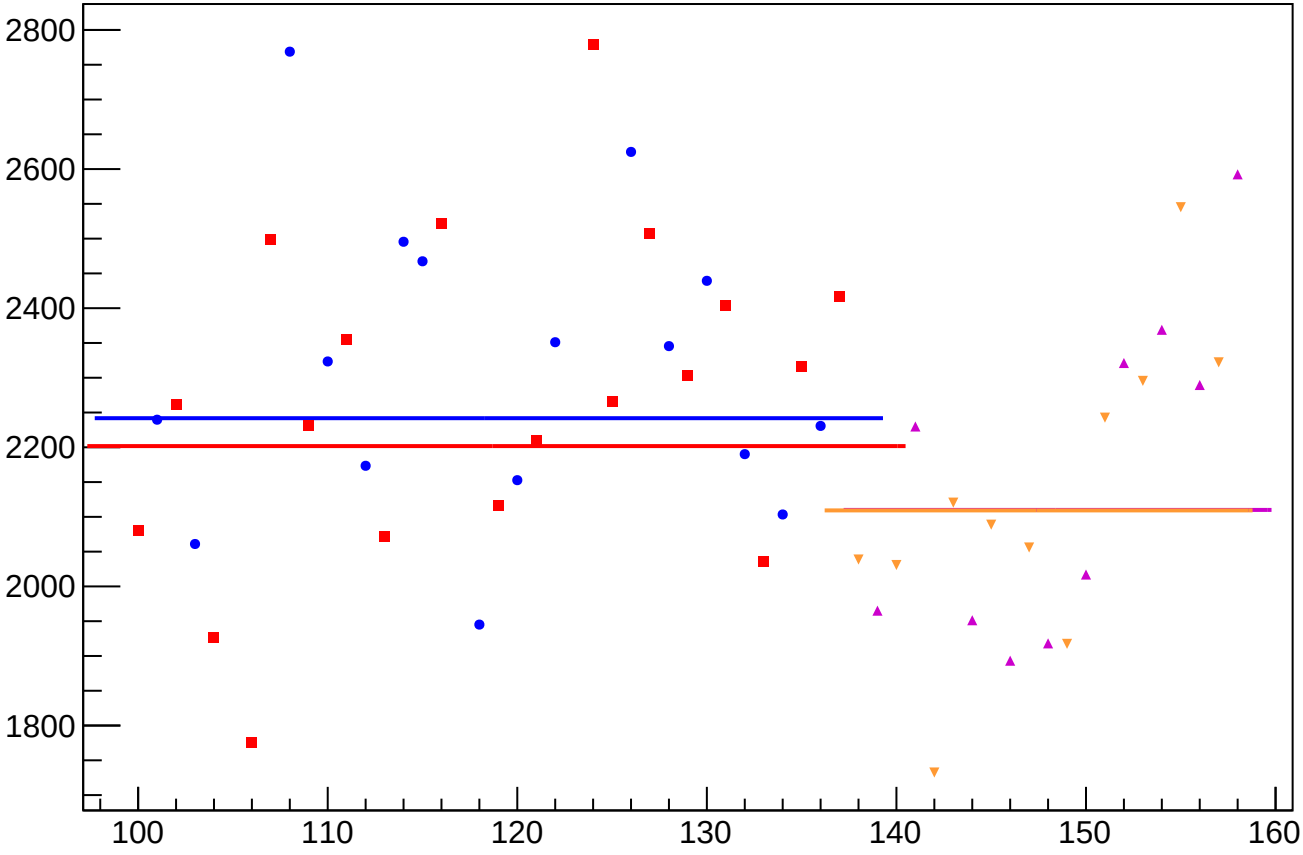
Left In: 4.564+/-0.723 χ^2/NDF:113.7/9

+ sign 9.619+/-0.546 χ^2/NDF: 206.6/26

All: 4.540+/-0.384 χ^2/NDF: 732.7/55

- sign -0.413+/-0.539 χ^2/NDF: 355.1/28

diff_bpm0i01Y_rms vs Slug



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2109.284+/-0.509 χ^2/NDF:143118.6/10

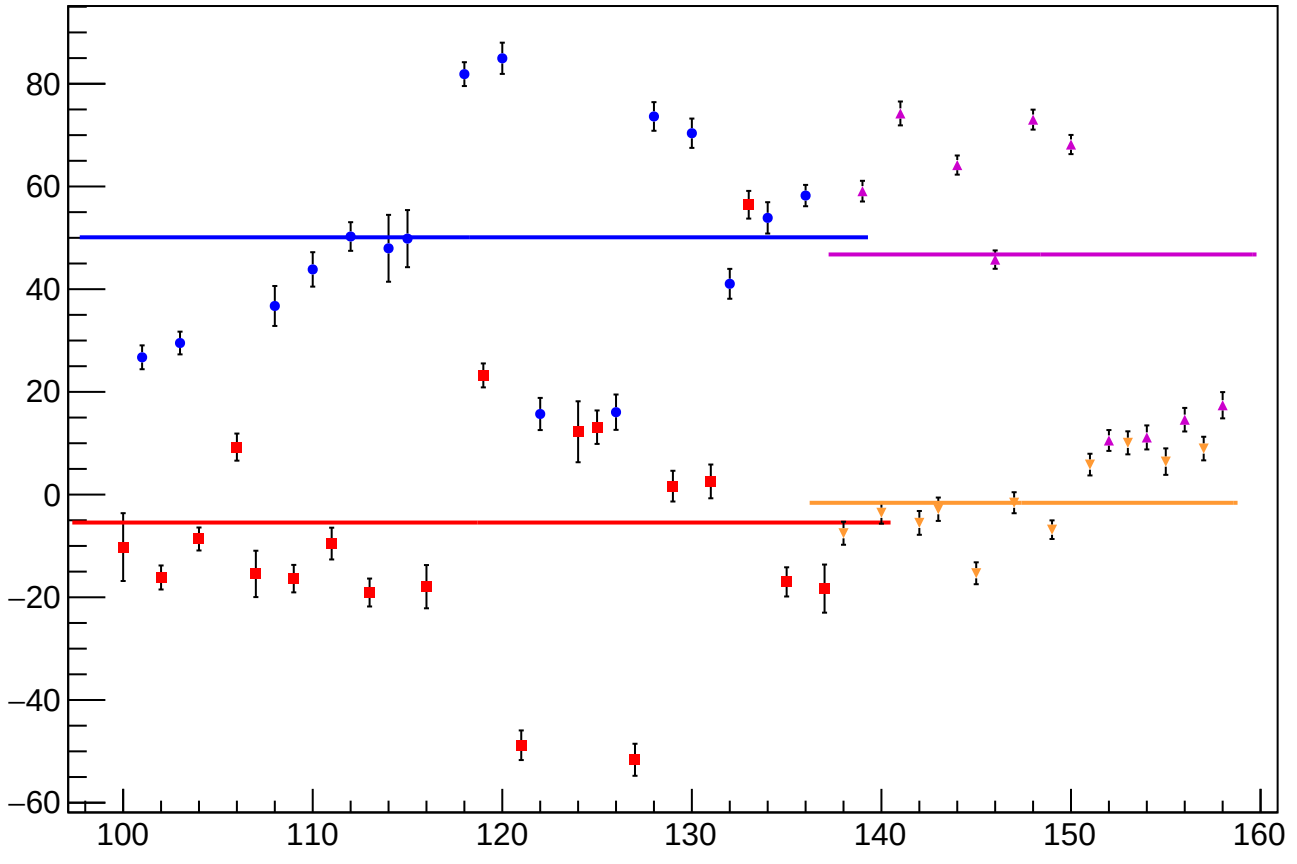
Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

Left In: 2109.980+/-0.511 χ^2/NDF:174092.1/9

+ sign 2165.605+/-0.386 χ^2/NDF: 274194.5/26

All: 2158.059+/-0.271 χ^2/NDF: 593224.8/55

- sign 2150.699+/-0.381 χ^2/NDF: 318275.5/28



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: -1.600+/-0.655 χ^2/NDF:131.1/10

Right Out: -5.444+/-0.694 χ^2/NDF: 1311.6/18

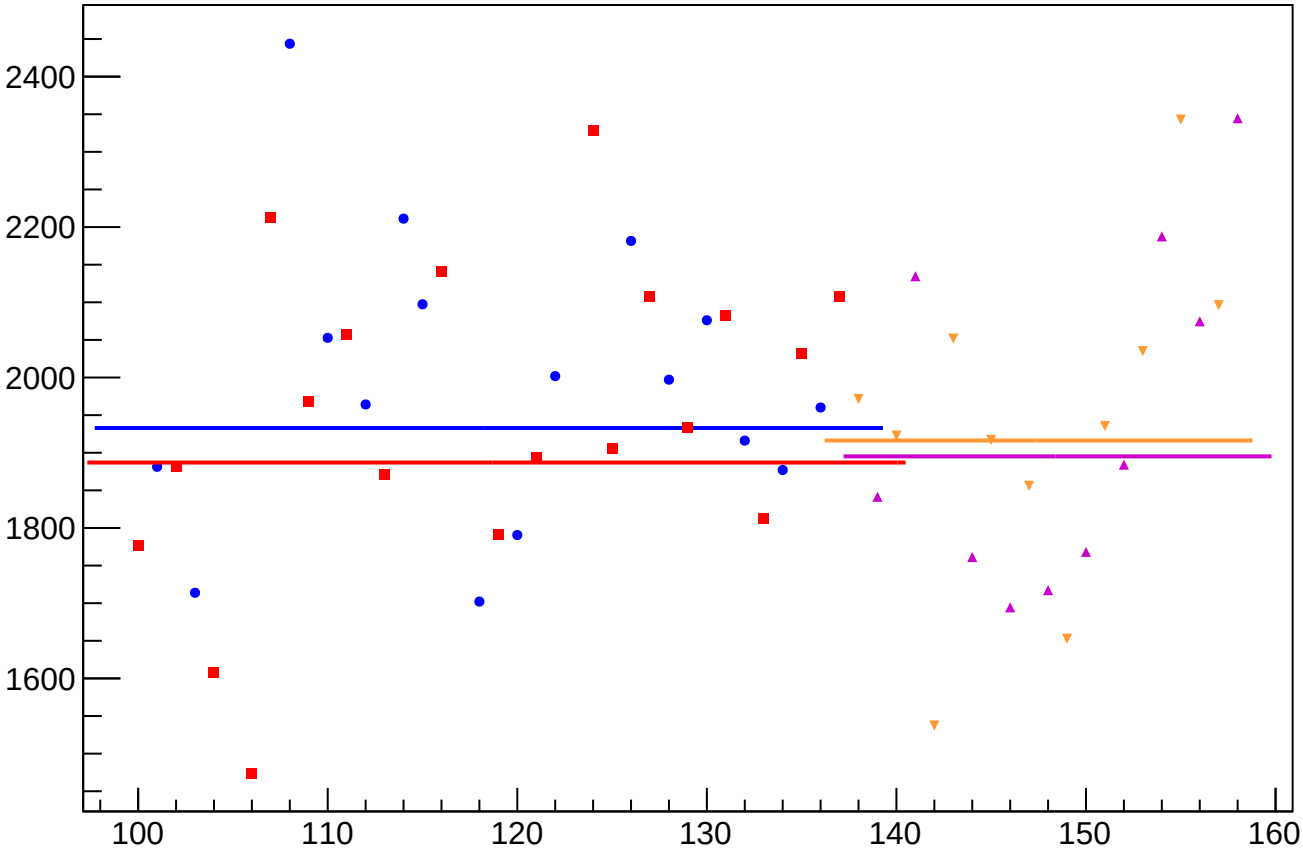
Left In: 46.761+/-0.652 χ^2/NDF:1457.0/9

+ sign 21.749+/-0.485 χ^2/NDF: 3830.7/26

All: 22.025+/-0.340 χ^2/NDF: 9603.5/55

- sign 22.289+/-0.475 χ^2/NDF: 5772.2/28

diff_bpm0i01aX_rms vs Slug



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 1916.268+/-0.463 χ^2/NDF:178490.5/10

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

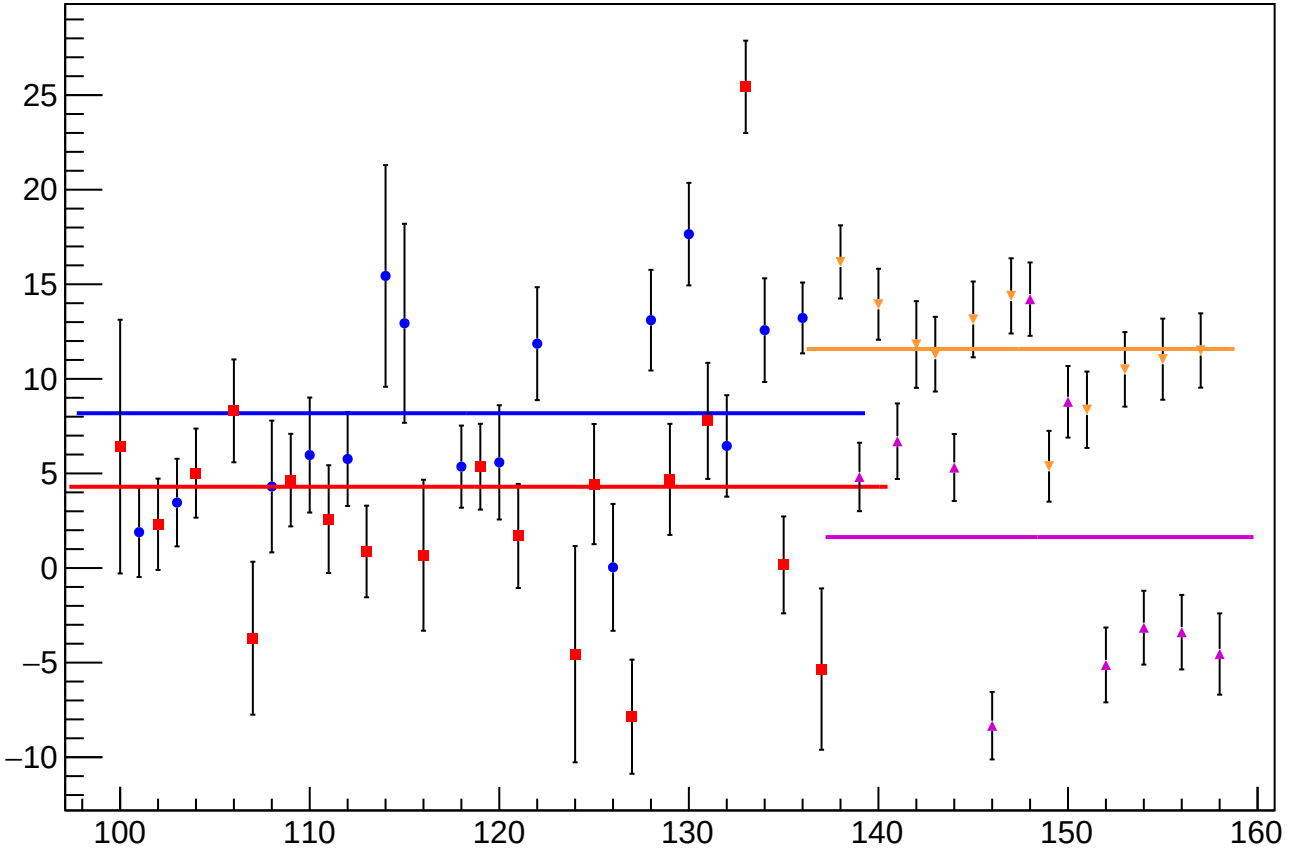
Left In: 1895.172+/-0.461 χ^2/NDF:189433.9/9

+ sign 1923.781+/-0.343 χ^2/NDF: 285040.2/26

All: 1907.227+/-0.240 χ^2/NDF: 628928.0/55

- sign 1891.344+/-0.336 χ^2/NDF: 339327.5/28

diff_bpm0i01aY_mean vs Slug



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 11.580+/-0.601 χ^2/NDF:23.7/10

Right Out: 4.297+/-0.665 χ^2/NDF: 114.0/18

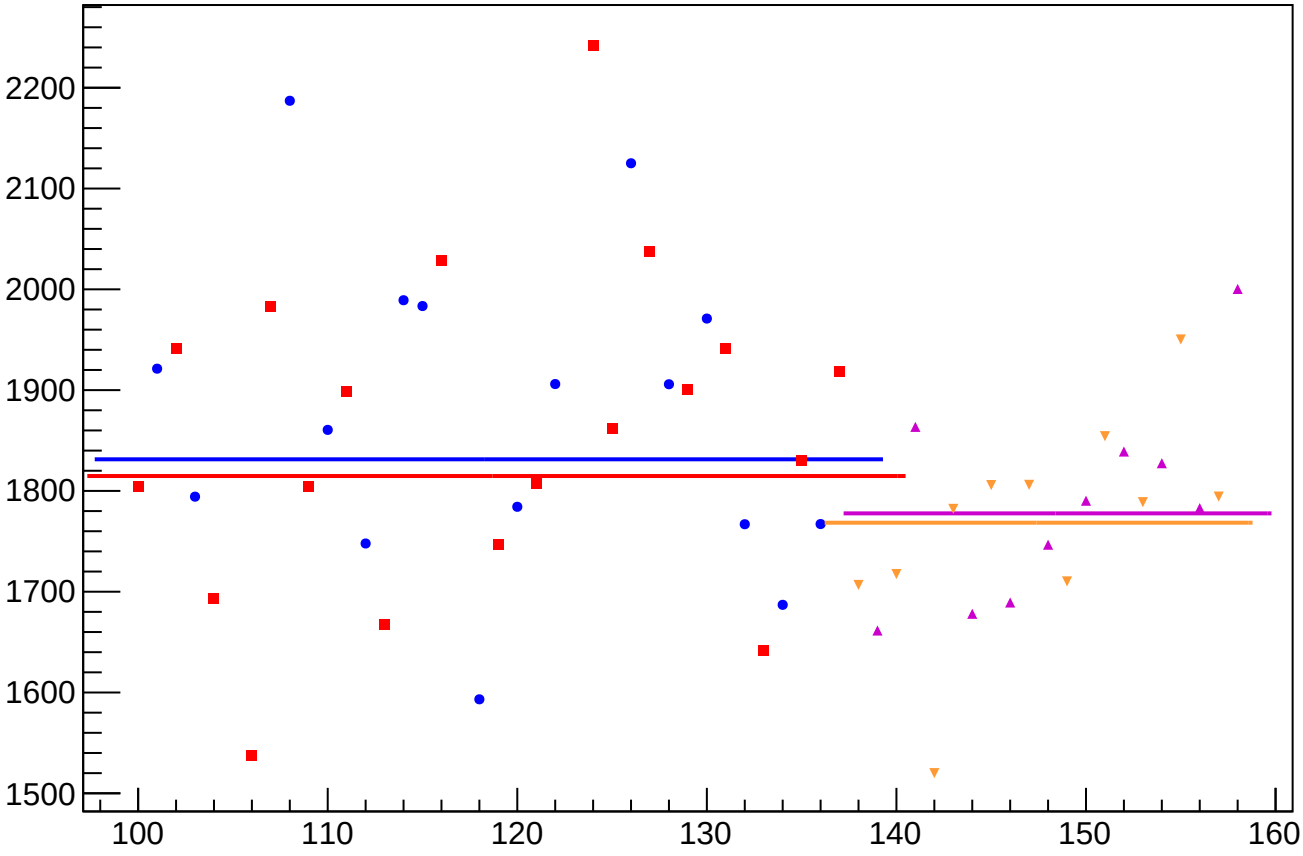
Left In: 1.637+/-0.605 χ^2/NDF:134.1/9

+ sign 10.098+/-0.452 χ^2/NDF: 89.6/26

All: 6.440+/-0.318 χ^2/NDF: 476.6/55

- sign 2.841+/-0.448 χ^2/NDF: 256.8/28

diff_bpm0i01aY_rms vs Slug



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1768.449+/-0.425 χ^2/NDF:49011.9/10

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

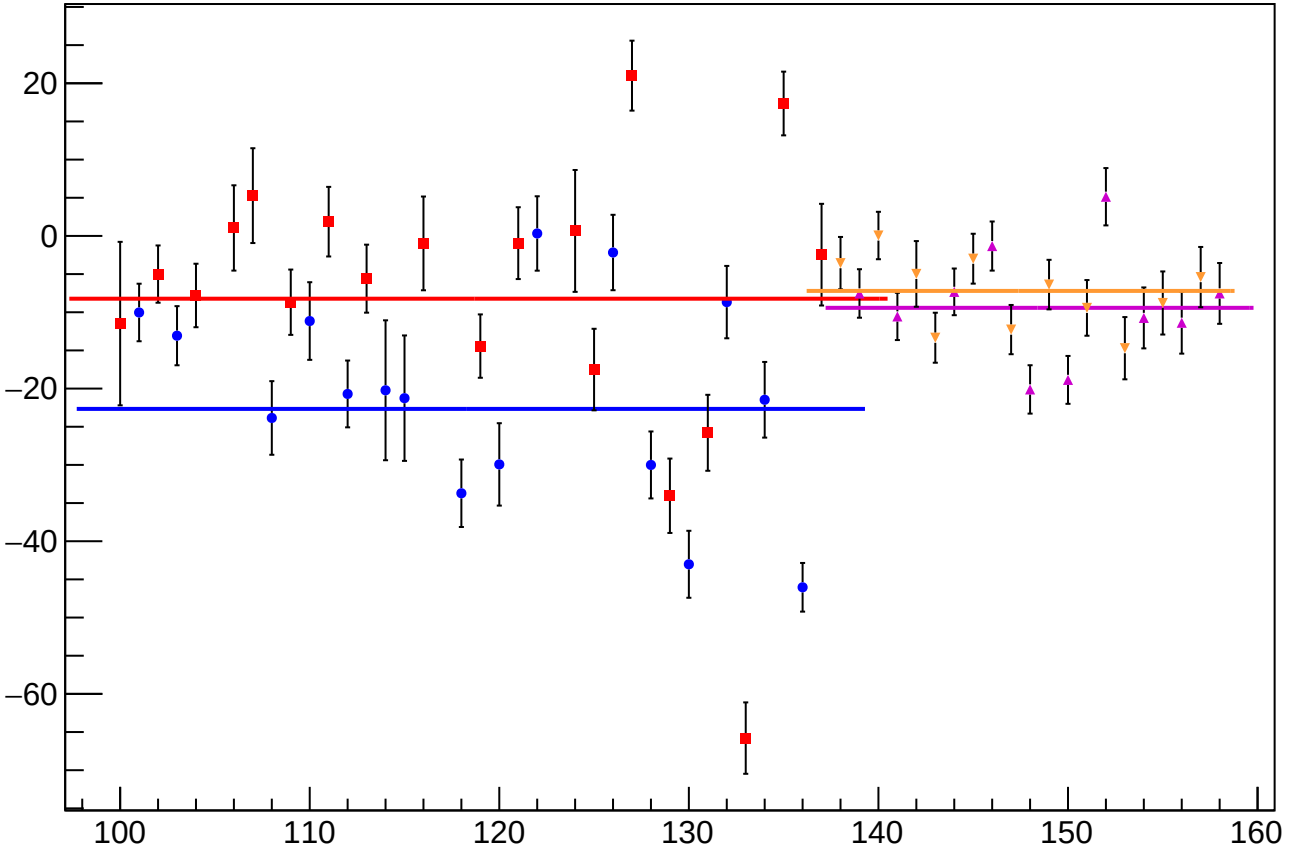
Left In: 1777.730+/-0.428 χ^2/NDF:48519.8/9

+ sign 1795.896+/-0.319 χ^2/NDF: 145480.4/26

All: 1795.194+/-0.225 χ^2/NDF: 288139.8/55

- sign 1794.503+/-0.317 χ^2/NDF: 142649.8/28

diff_bpm0l01X_mean vs Slug



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -7.204+/-1.067 χ^2/NDF:18.7/10

Right Out: -8.224+/-1.129 χ^2/NDF: 294.8/18

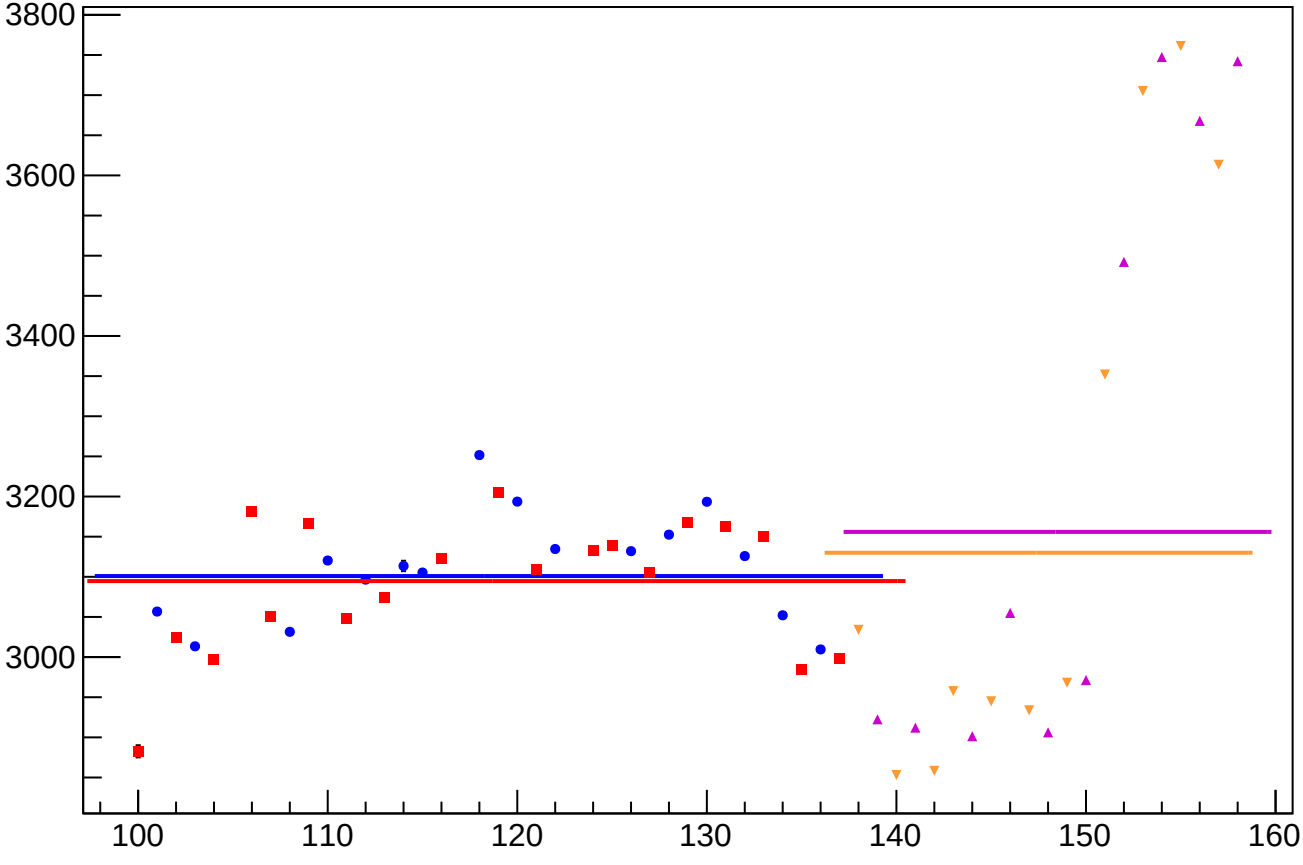
Left In: -9.421+/-1.075 χ^2/NDF:43.3/9

+ sign -14.344+/-0.783 χ^2/NDF: 272.8/26

All: -11.582+/-0.552 χ^2/NDF: 636.2/55

- sign -8.852+/-0.778 χ^2/NDF: 338.7/28

diff_bpm0l01X_rms vs Slug



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 3130.010+/-0.755 χ^2/NDF:173508.2/10

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

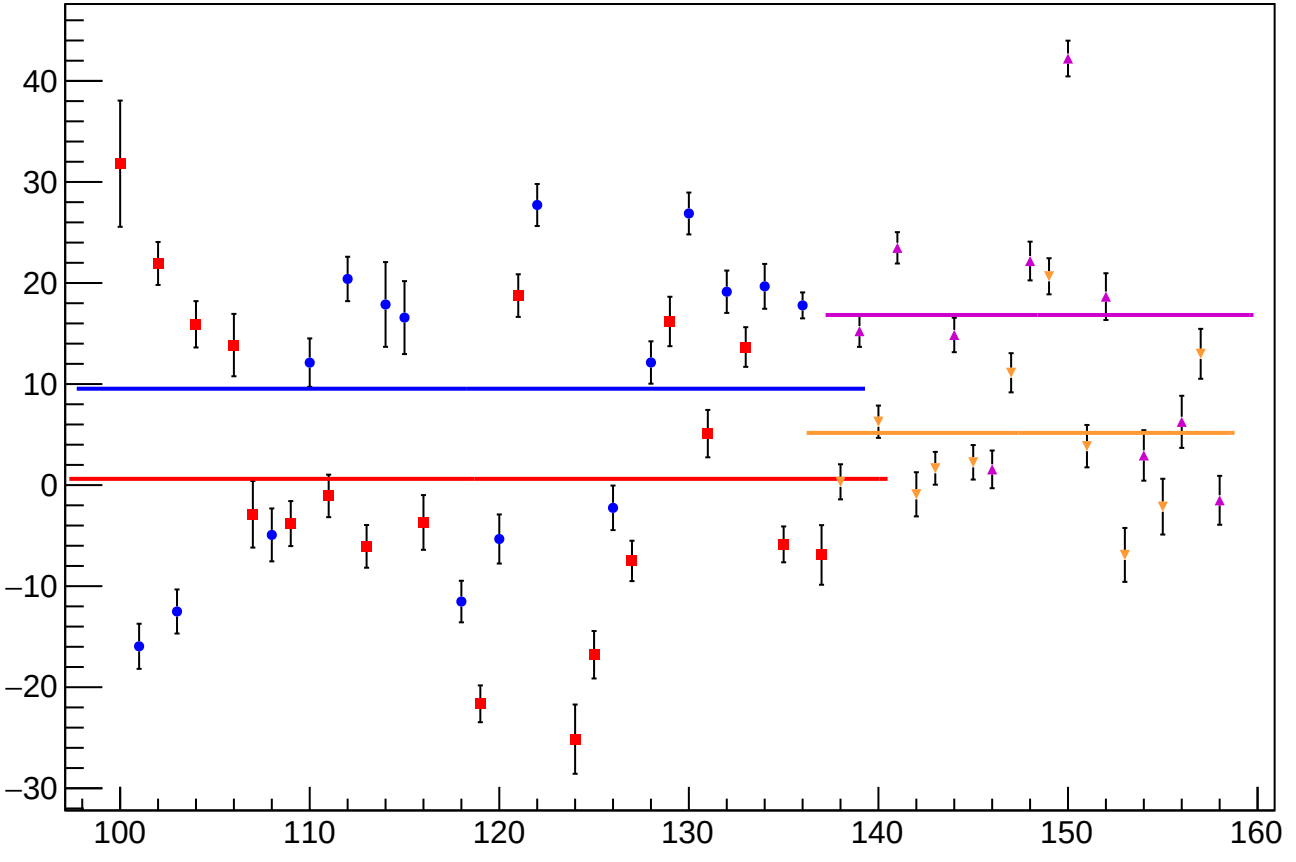
Left In: 3155.952+/-0.760 χ^2/NDF:193609.1/9

+ sign 3116.584+/-0.554 χ^2/NDF: 182087.3/26

All: 3121.733+/-0.390 χ^2/NDF: 387543.0/55

- sign 3126.823+/-0.550 χ^2/NDF: 205283.6/28

diff_bpm0l01Y_mean vs Slug



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 5.168+/-0.587 χ^2/NDF:146.2/10

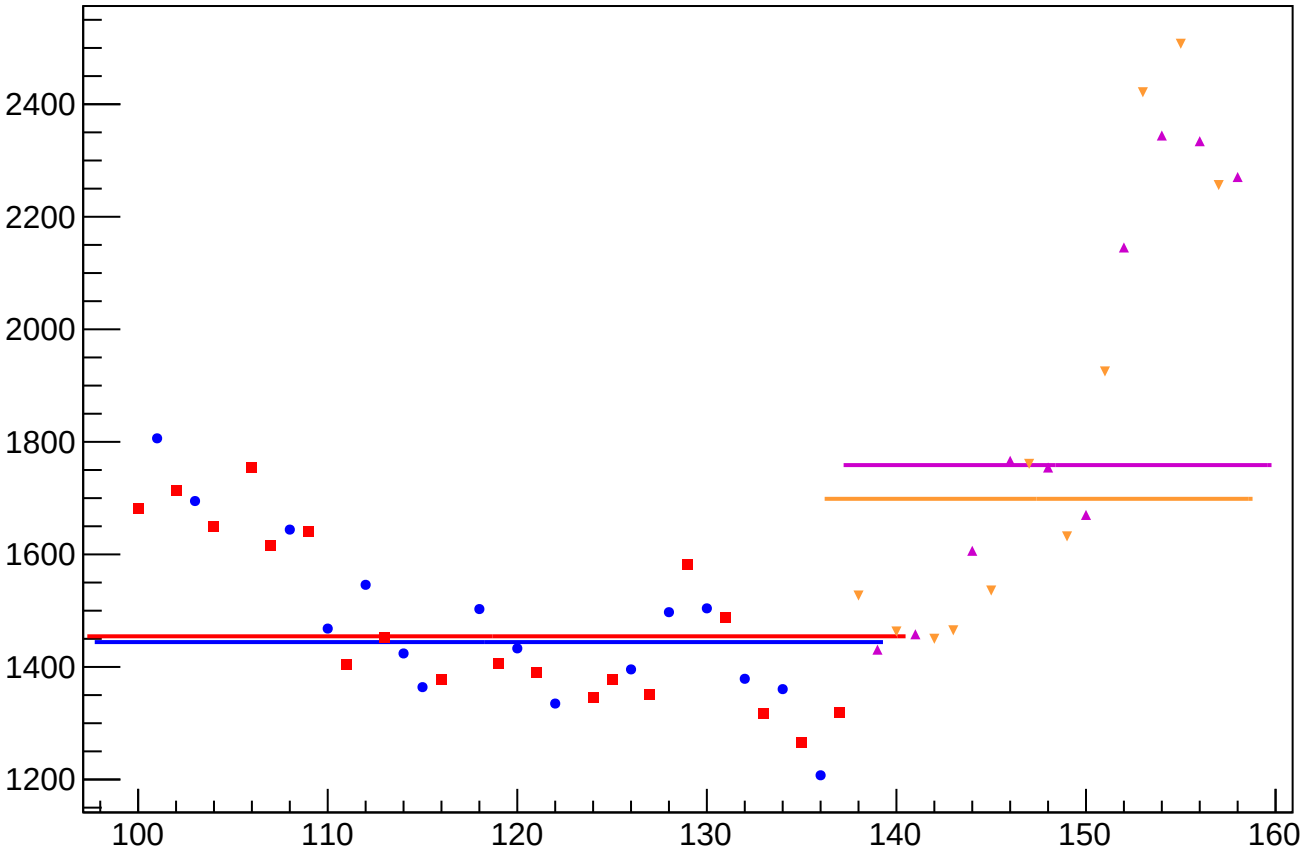
Right Out: 0.620+/-0.534 χ^2/NDF: 665.8/18

Left In: 16.837+/-0.606 χ^2/NDF:407.5/9

\+ sign 7.533+/-0.398 χ^2/NDF: 874.9/26

All: 7.619+/-0.282 χ^2/NDF: 2351.1/55

\- sign 7.706+/-0.401 χ^2/NDF: 1476.2/28



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1698.788+/-0.415 χ^2/NDF:597001.3/10

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

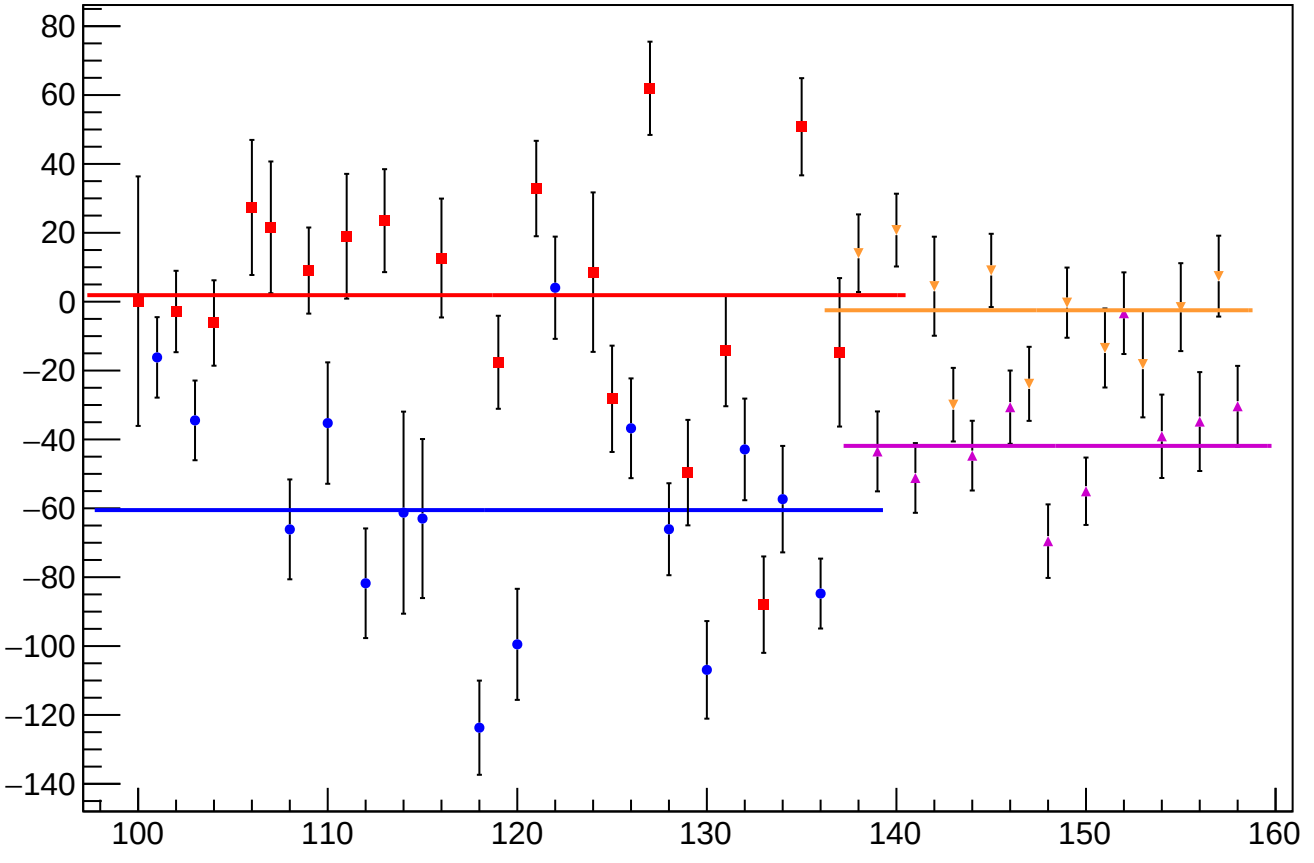
Left In: 1758.720+/-0.429 χ^2/NDF:539789.1/9

+ sign 1561.102+/-0.281 χ^2/NDF: 980326.9/26

All: 1574.168+/-0.200 χ^2/NDF: 1950799.5/55

- sign 1587.412+/-0.283 χ^2/NDF: 966133.6/28

diff_bpm0l02X_mean vs Slug



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: -2.492+/-3.477 χ^2/NDF:21.7/10

Right Out: 1.894+/-3.543 χ^2/NDF: 103.8/18

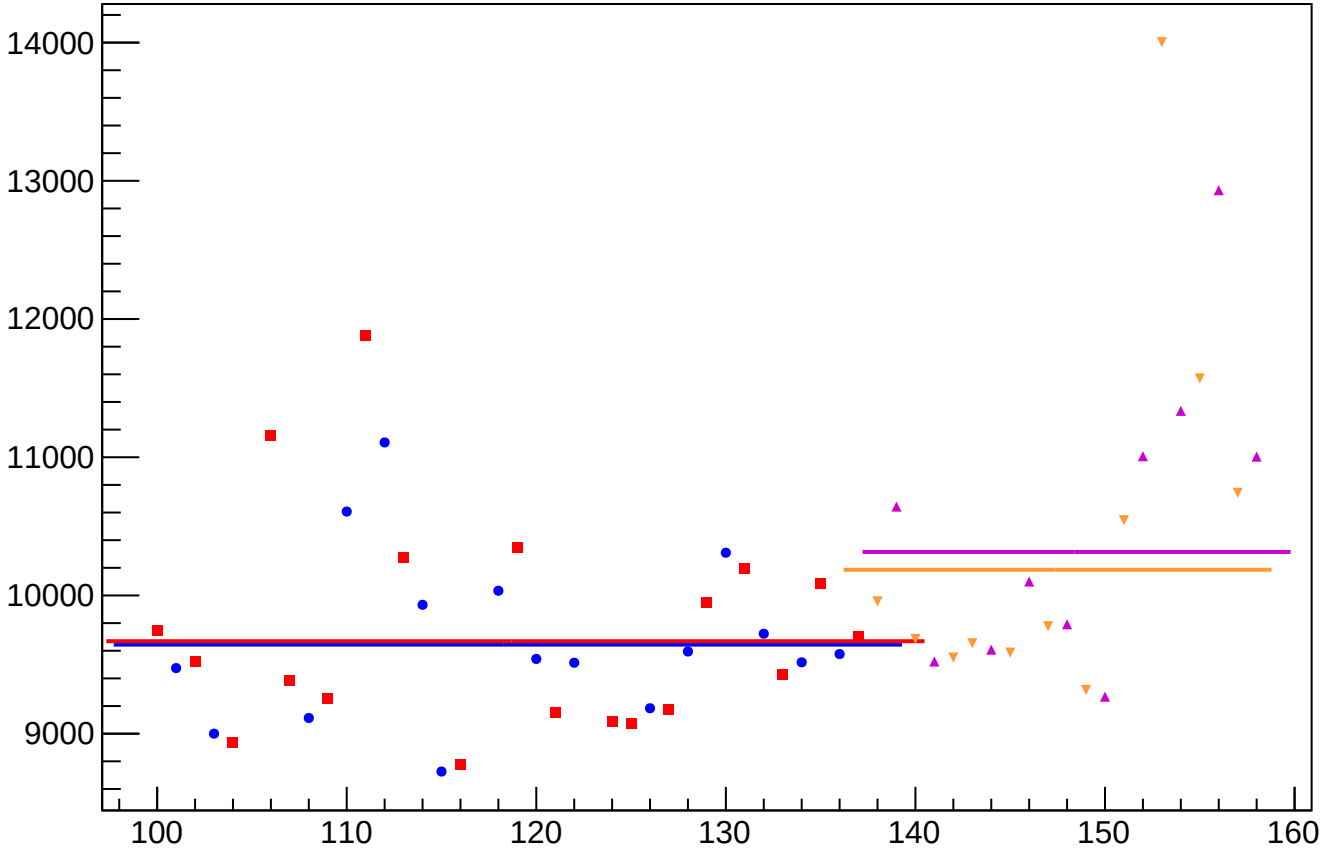
Left In: -41.870+/-3.512 χ^2/NDF:22.4/9

+ sign -30.530+/-2.500 χ^2/NDF: 246.5/26

All: -25.342+/-1.766 χ^2/NDF: 458.3/55

- sign -20.178+/-2.494 χ^2/NDF: 203.2/28

diff_bpm0l02X_rms vs Slug



Right In: 9644.396+/-2.543 χ^2/NDF: 44101.6/15

Left Out: 10185.937+/-2.459 χ^2/NDF:189763.5/10

Right Out: 9669.136+/-2.505 χ^2/NDF: 79878.1/18

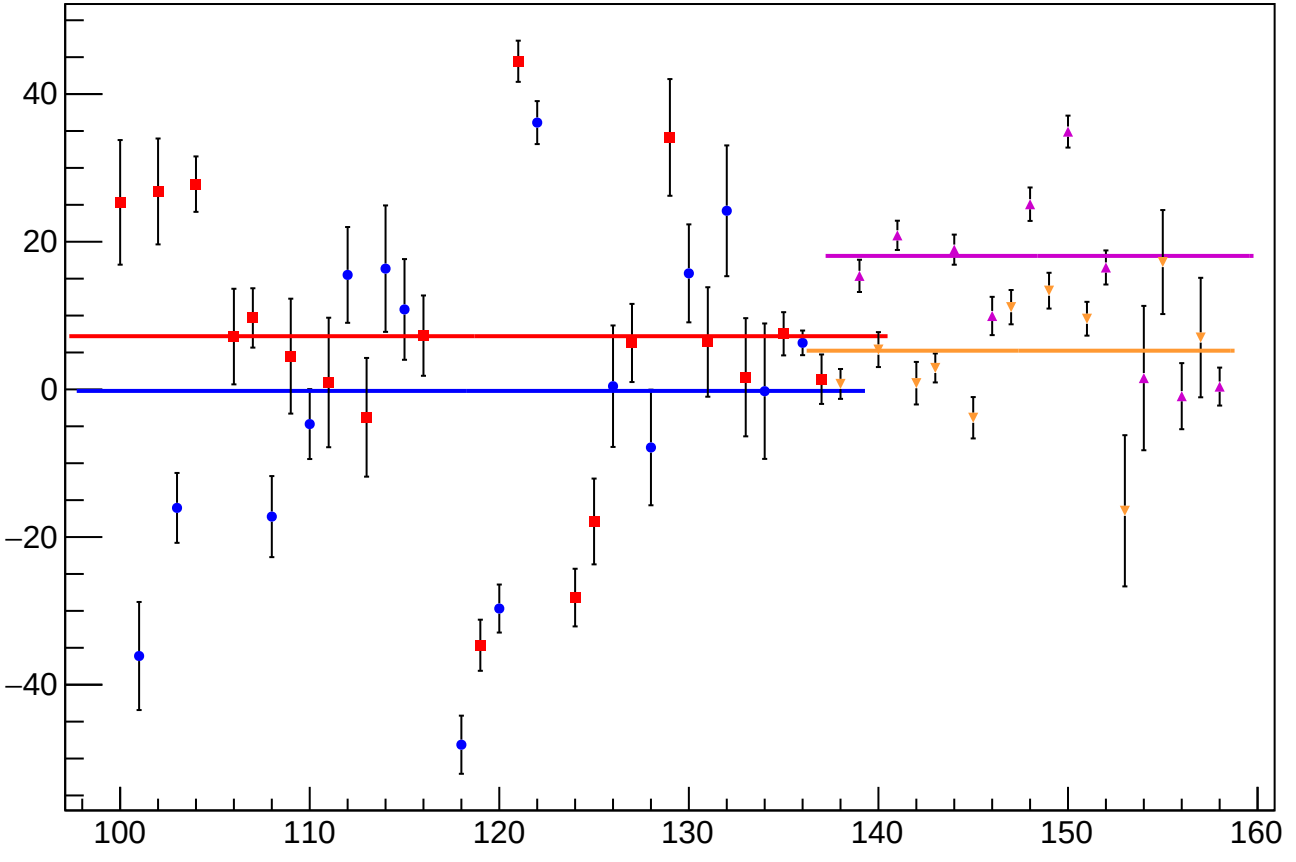
Left In: 10314.886+/-2.484 χ^2/NDF:146534.8/9

\+ sign 9924.257+/-1.768 χ^2/NDF: 257302.1/26

All: 9959.613+/-1.249 χ^2/NDF: 518023.6/55

\- sign 9994.811+/-1.764 χ^2/NDF: 259923.1/28

diff_bpm0l02Y_mean vs Slug



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 5.242+/-0.811 χ^2/NDF:47.9/10

Right Out: 7.206+/-1.074 χ^2/NDF: 485.6/18

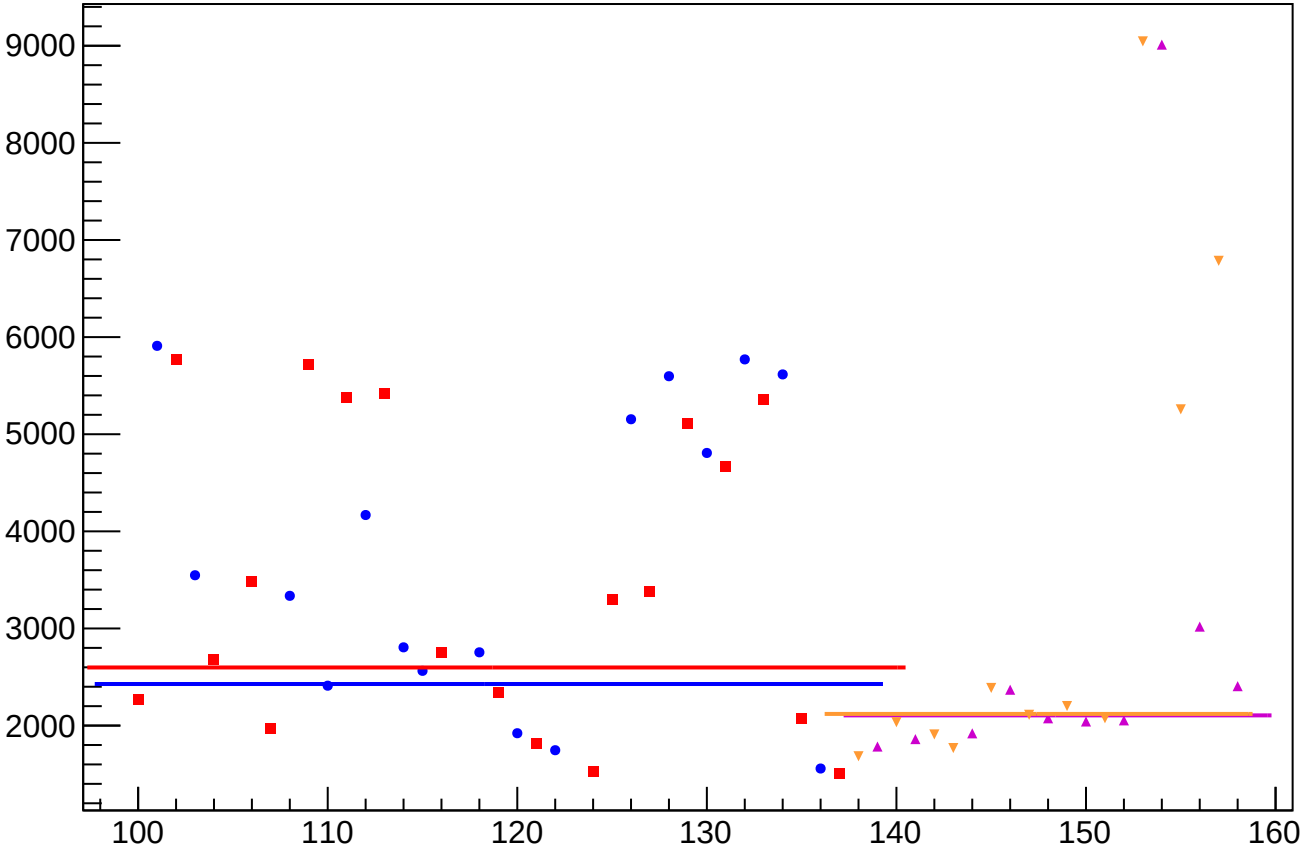
Left In: 18.081+/-0.776 χ^2/NDF:152.3/9

+ sign 3.196+/-0.641 χ^2/NDF: 538.6/26

All: 8.876+/-0.449 χ^2/NDF: 1398.3/55

- sign 14.350+/-0.629 χ^2/NDF: 705.3/28

diff_bpm0l02Y_rms vs Slug



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 2120.053+/-0.573 χ^2/NDF:2167133.0/10

Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

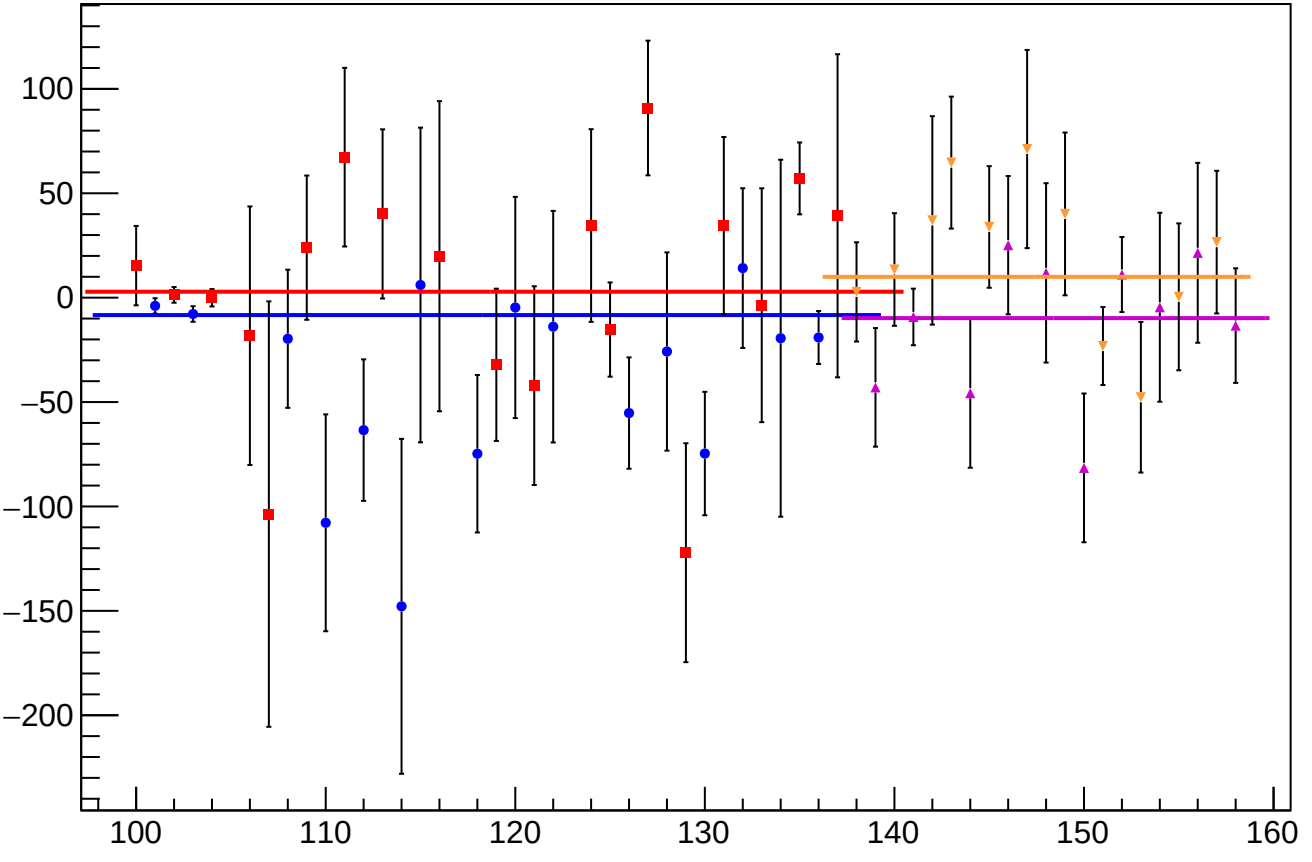
Left In: 2105.106+/-0.549 χ^2/NDF:1222740.0/9

+ sign 2235.745+/-0.453 χ^2/NDF: 5090898.6/26

All: 2255.399+/-0.317 χ^2/NDF: 9109525.9/55

- sign 2274.337+/-0.445 χ^2/NDF: 4014931.4/28

diff_bpm0l03X_mean vs Slug



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 9.979+/-9.080 χ^2/NDF:12.3/10

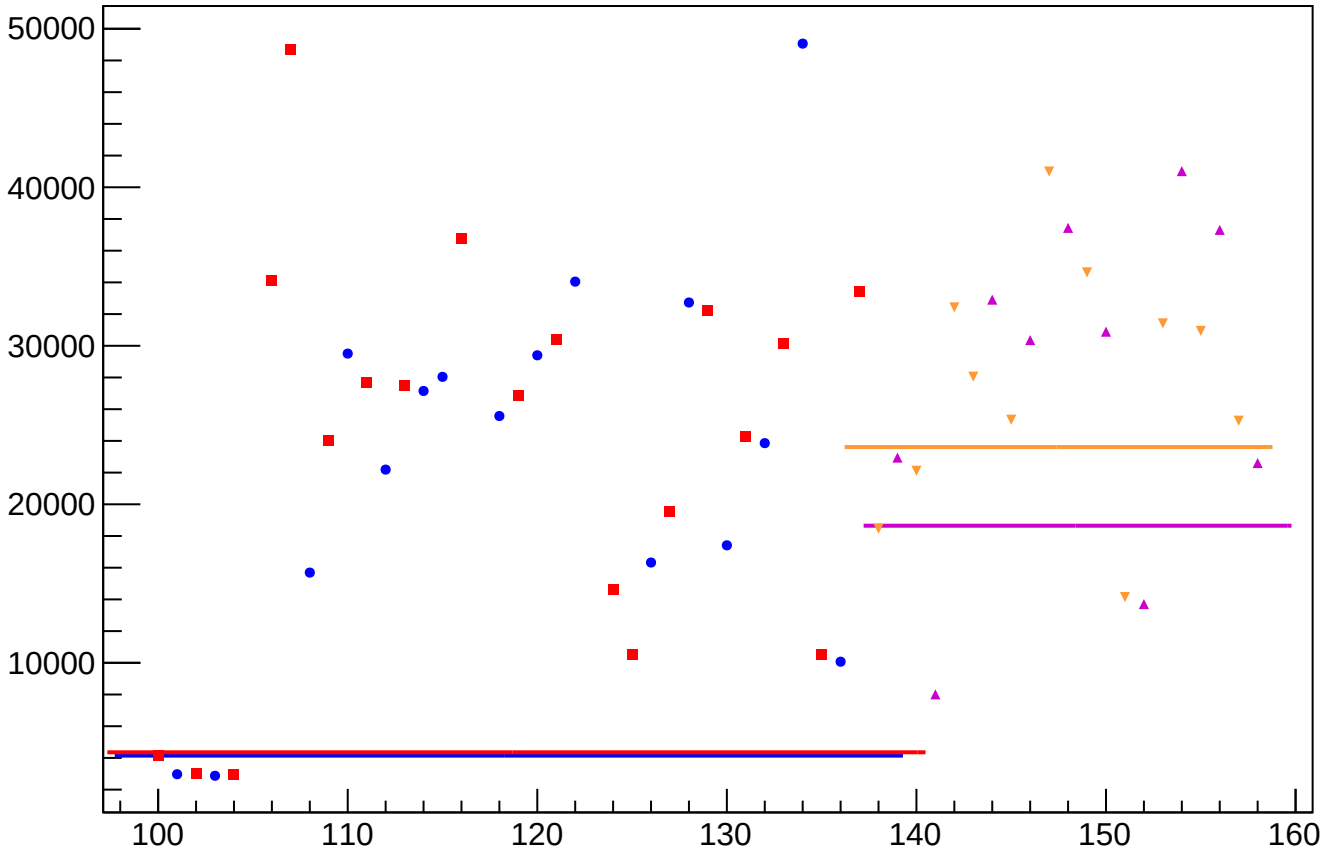
Right Out: 2.848+/-2.640 χ^2/NDF: 32.6/18

Left In: -9.785+/-8.121 χ^2/NDF:9.7/9

+ sign -7.043+/-2.410 χ^2/NDF: 39.6/26

All: -2.878+/-1.738 χ^2/NDF: 90.3/55

- sign 1.641+/-2.510 χ^2/NDF: 44.5/28



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 23612.098+/-6.420 χ^2/NDF:1335537.1/10

Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

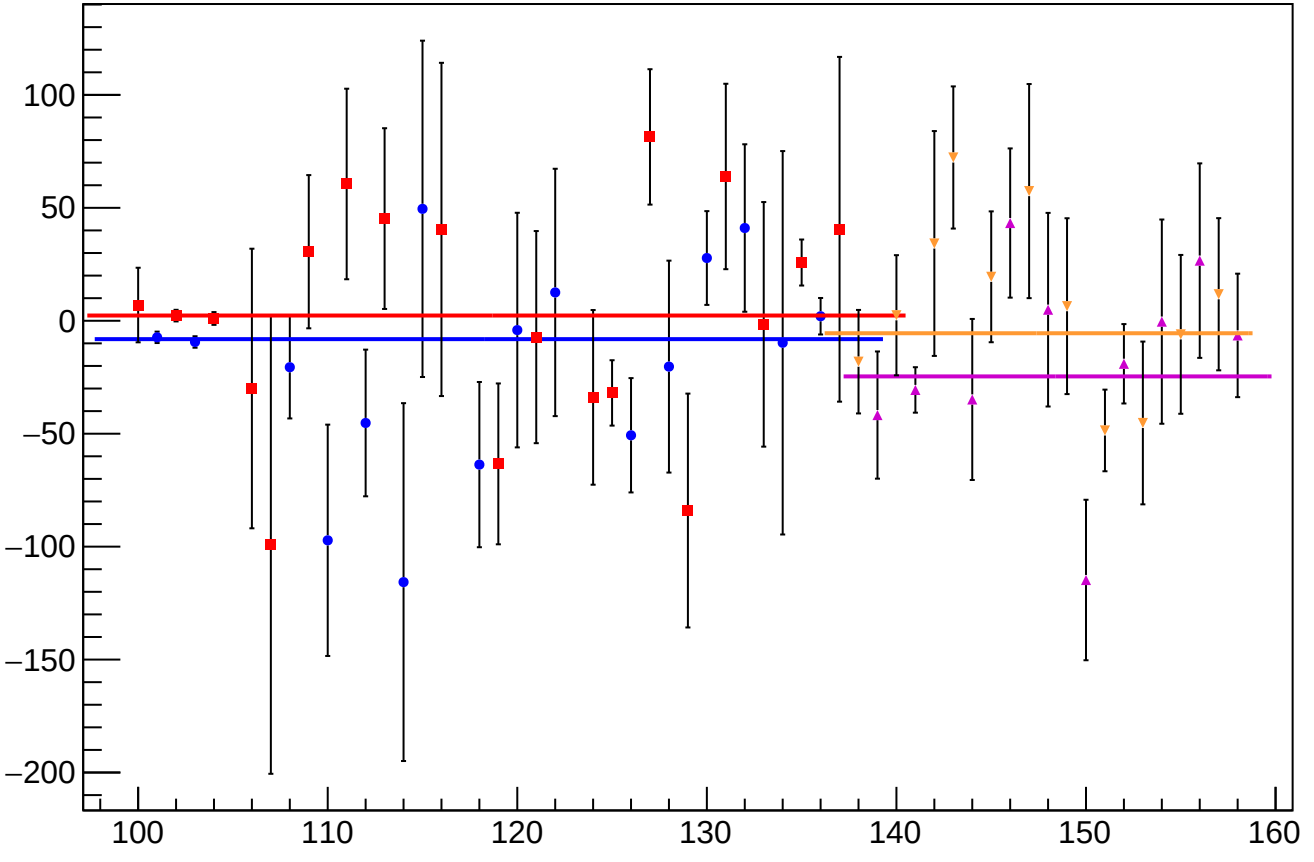
Left In: 18649.426+/-5.742 χ^2/NDF:3523744.3/9

+ sign 5516.862+/-1.704 χ^2/NDF: 16717448.8/26

All: 5614.477+/-1.229 χ^2/NDF: 33477996.8/5

- sign 5720.408+/-1.775 χ^2/NDF: 16753704.7/28

diff_bpm0l03Y_mean vs Slug



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -5.521+/-8.926 χ^2/NDF:16.9/10

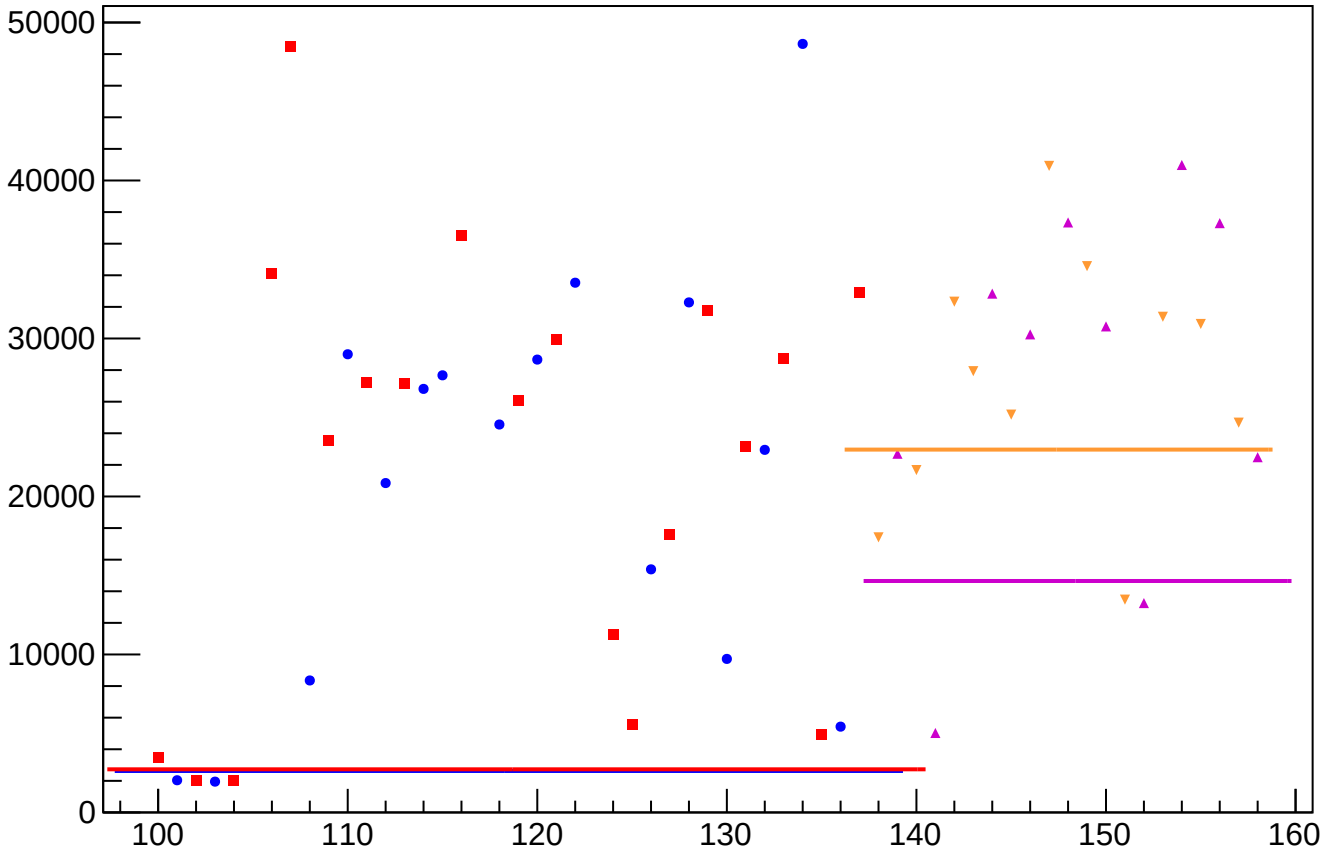
Right Out: 2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: -24.631+/-7.110 χ^2/NDF:14.2/9

+ sign -8.039+/-1.689 χ^2/NDF: 36.1/26

All: -3.877+/-1.220 χ^2/NDF: 109.5/55

- sign 0.664+/-1.765 χ^2/NDF: 60.7/28



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 22967.058+/-6.312 χ^2/NDF:1488135.7/10

Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

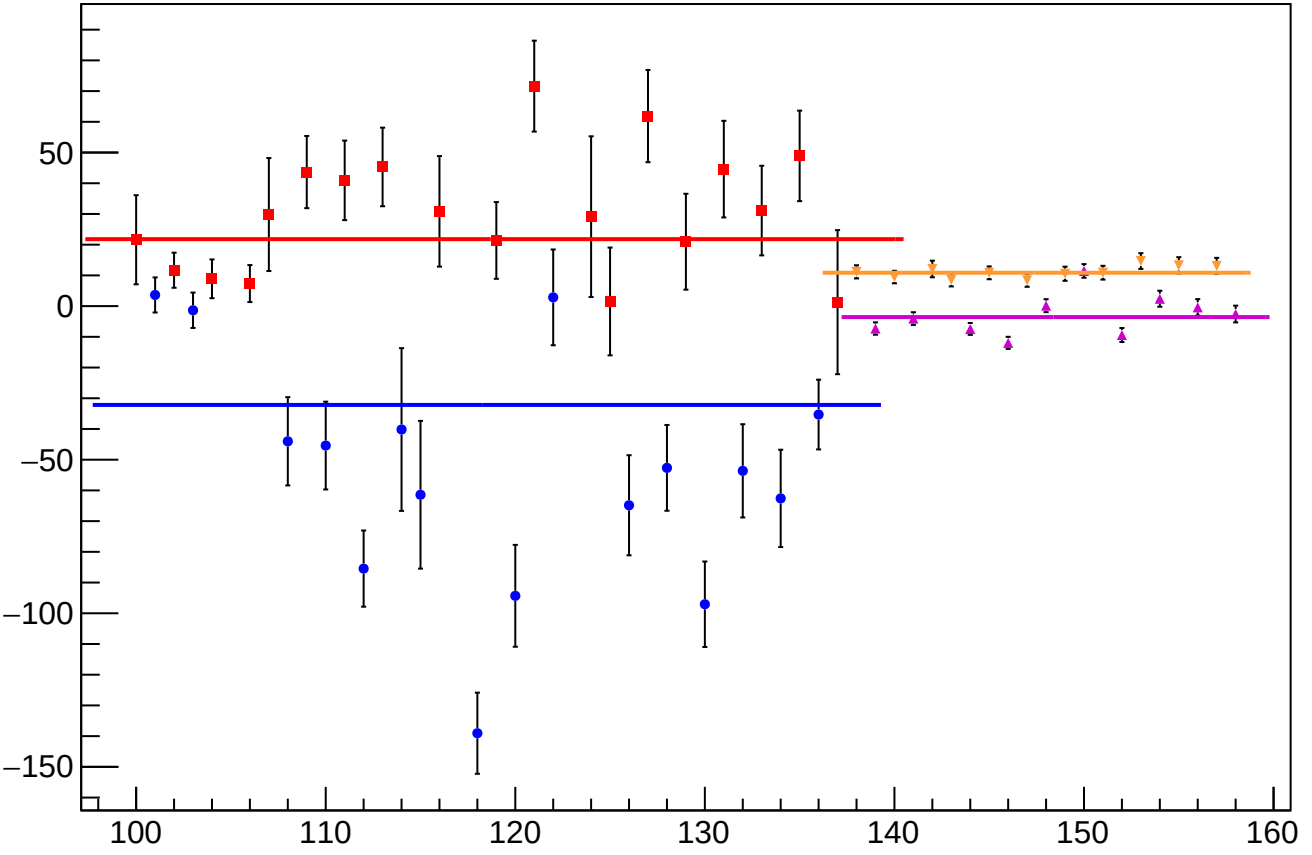
Left In: 14650.334+/-5.028 χ^2/NDF:5339261.9/9

+ sign 3354.941+/-1.195 χ^2/NDF: 18282301.0/26

All: 3407.308+/-0.863 χ^2/NDF: 36886285.4/5

- sign 3464.451+/-1.248 χ^2/NDF: 18599965.3/28

diff_bpm0l04X_mean vs Slug



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 10.863+/-0.691 χ^2/NDF:7.0/10

Right Out: 21.801+/-2.557 χ^2/NDF: 49.1/18

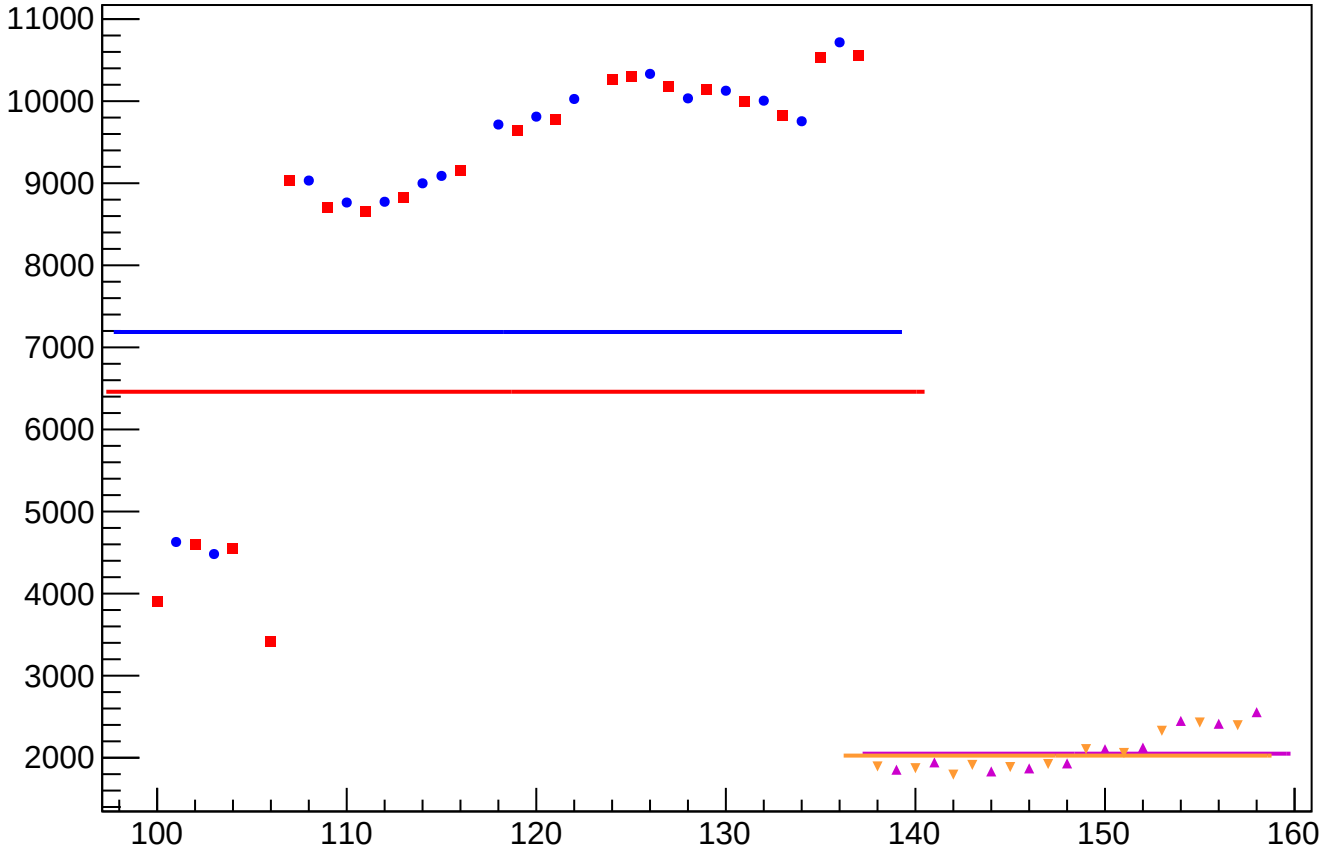
Left In: -3.572+/-0.699 χ^2/NDF:87.7/9

+ sign 8.460+/-0.671 χ^2/NDF: 431.3/26

All: 3.349+/-0.476 χ^2/NDF: 776.1/55

- sign -1.807+/-0.674 χ^2/NDF: 228.4/28

diff_bpm0l04X_rms vs Slug



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 2026.208+/-0.489 χ^2/NDF:168985.1/10

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

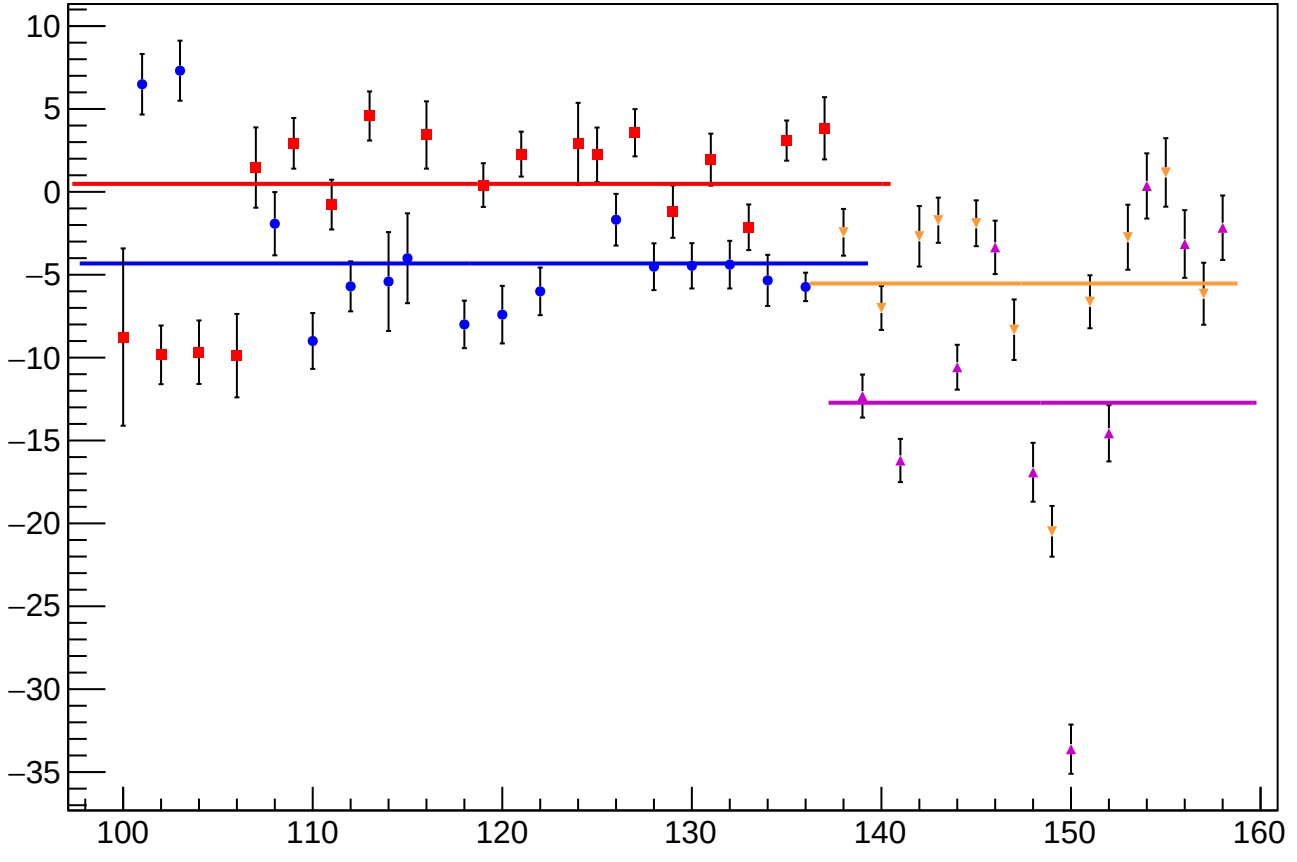
Left In: 2049.610+/-0.494 χ^2/NDF:228195.7/9

+ sign 2314.371+/-0.475 χ^2/NDF: 8103764.5/26

All: 2335.265+/-0.336 χ^2/NDF: 16145266.8/5

- sign 2356.345+/-0.477 χ^2/NDF: 8037612.2/28

diff_bpm0l04Y_mean vs Slug



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -5.529+/-0.480 χ^2/NDF:134.0/10

Right Out: 0.481+/-0.379 χ^2/NDF: 117.2/18

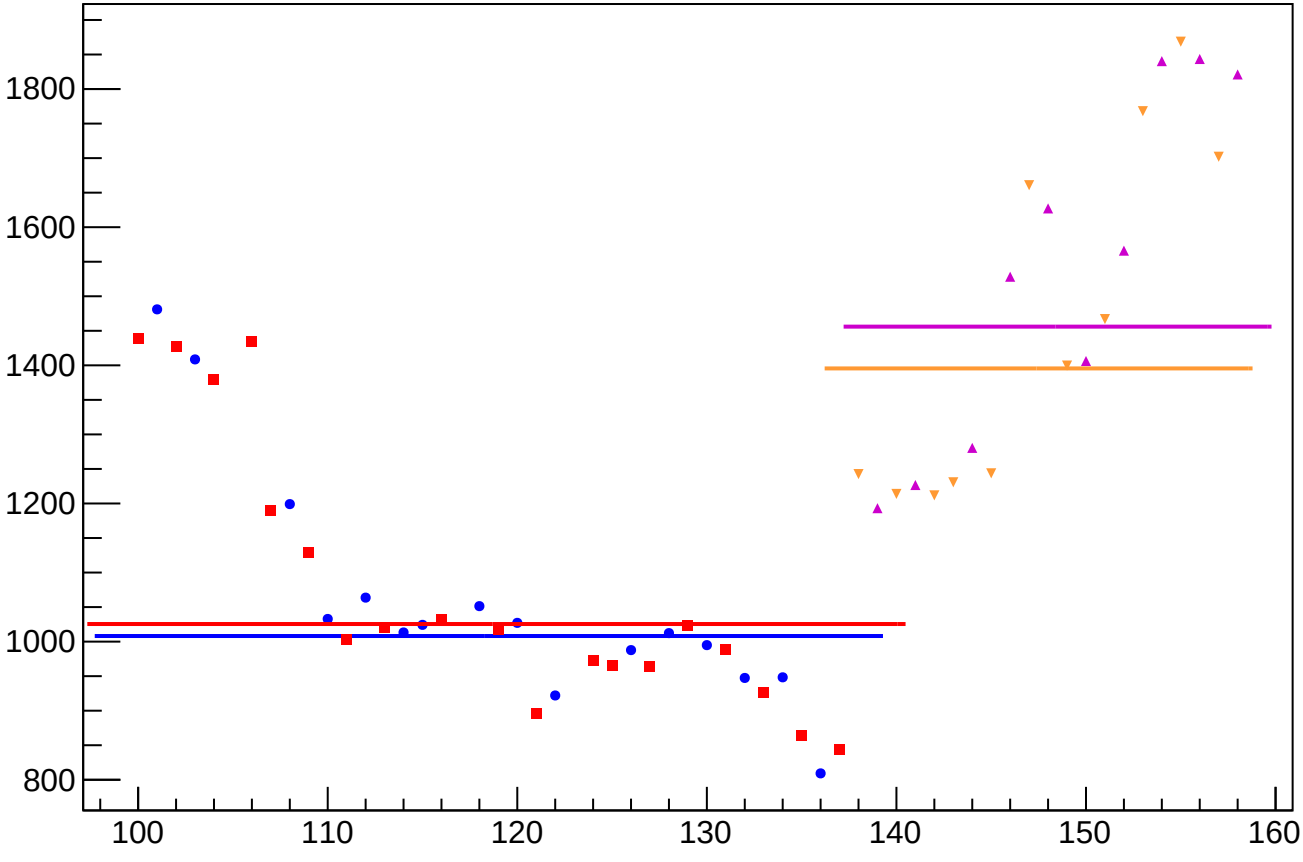
Left In: -12.721+/-0.500 χ^2/NDF:343.9/9

+ sign -4.785+/-0.298 χ^2/NDF: 241.6/26

All: -4.558+/-0.212 χ^2/NDF: 1146.5/55

- sign -4.326+/-0.302 χ^2/NDF: 903.7/28

diff_bpm0l04Y_rms vs Slug



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1395.532+/-0.340 χ^2/NDF:411627.6/10

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

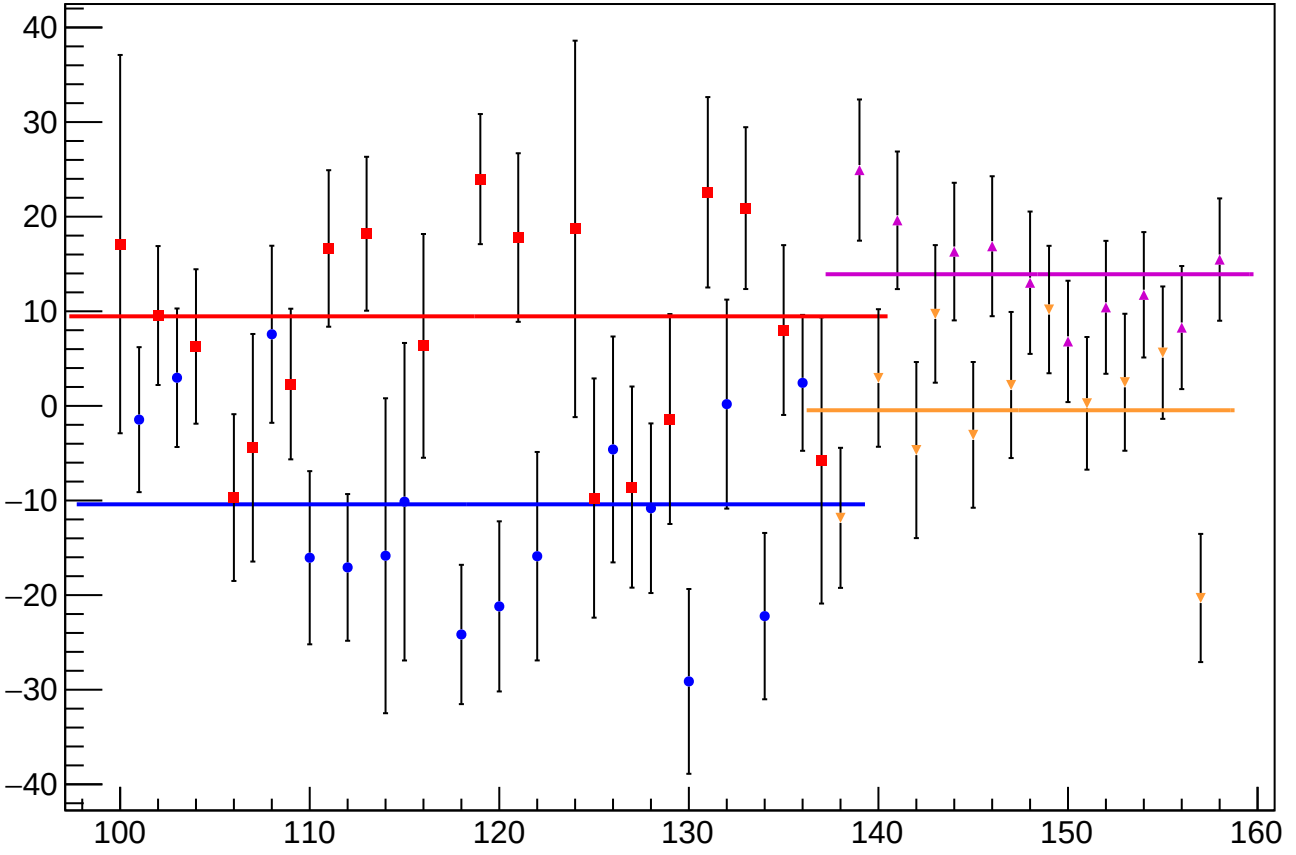
Left In: 1456.037+/-0.354 χ^2/NDF:429756.2/9

+ sign 1157.130+/-0.211 χ^2/NDF: 1591138.6/26

All: 1169.521+/-0.150 χ^2/NDF: 3315388.0/55

- sign 1182.251+/-0.214 χ^2/NDF: 1717233.9/28

diff_bpm0l05X_mean vs Slug



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: -0.461+/-2.209 χ^2/NDF:17.0/10

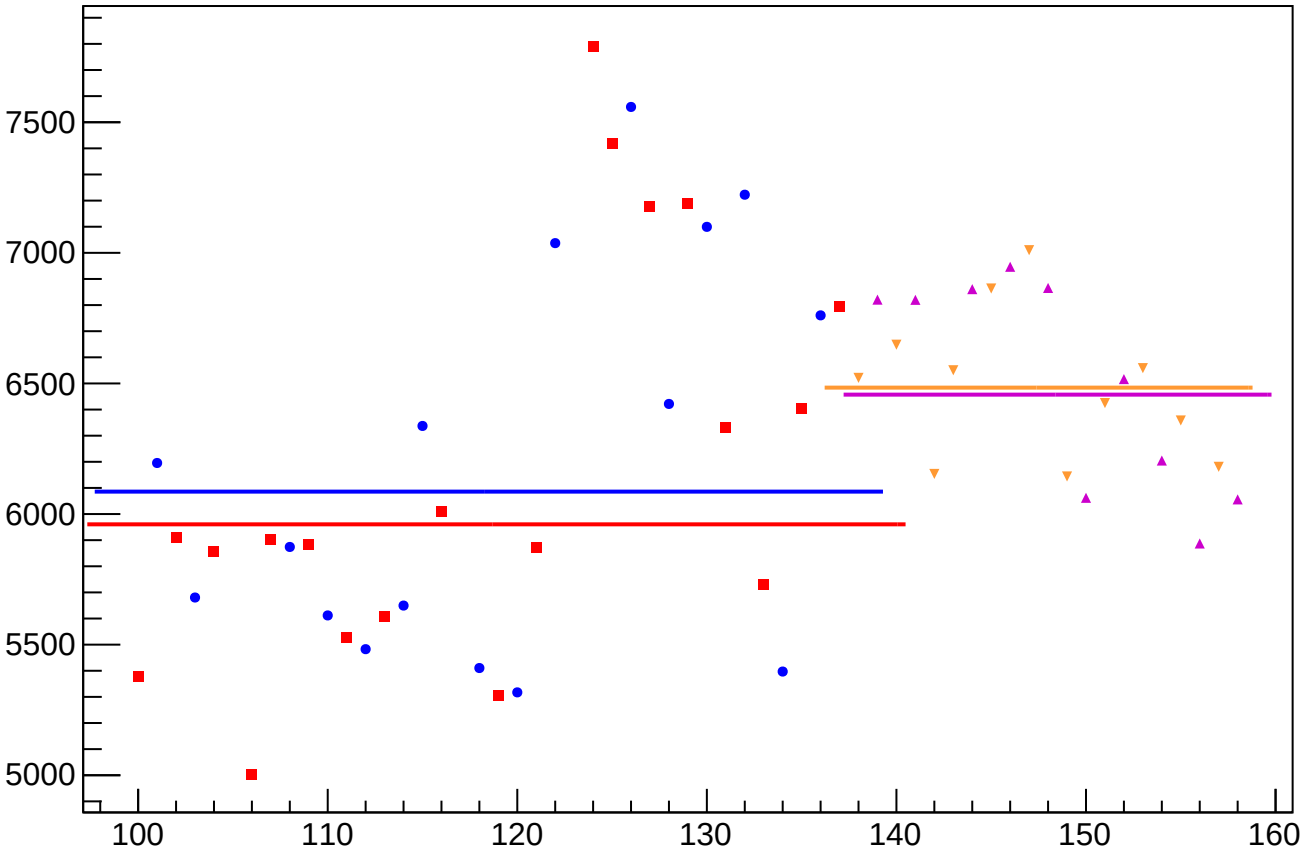
Right Out: 9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: 13.916+/-2.200 χ^2/NDF:5.5/9

+ sign -5.275+/-1.587 χ^2/NDF: 51.4/26

All: 3.388+/-1.110 χ^2/NDF: 142.7/55

- sign 11.682+/-1.552 χ^2/NDF: 32.9/28



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6484.011+/-1.562 χ^2/NDF:28010.5/10

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

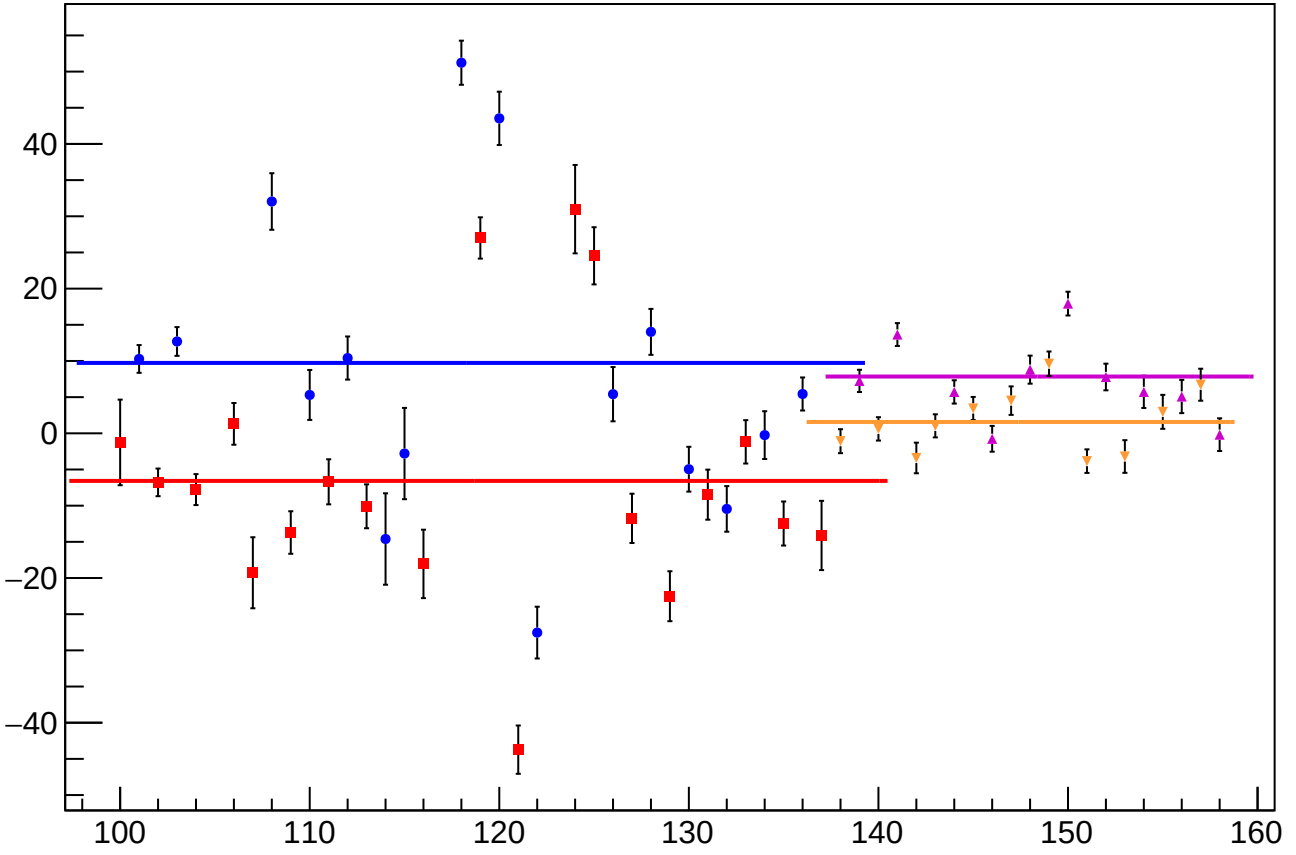
Left In: 6457.150+/-1.556 χ^2/NDF:64227.7/9

+ sign 6291.241+/-1.122 χ^2/NDF: 238586.5/26

All: 6248.640+/-0.785 χ^2/NDF: 519560.0/55

- sign 6207.850+/-1.098 χ^2/NDF: 278150.7/28

diff_bpm0l05Y_mean vs Slug



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: 1.570+/-0.549 χ^2/NDF:56.3/10

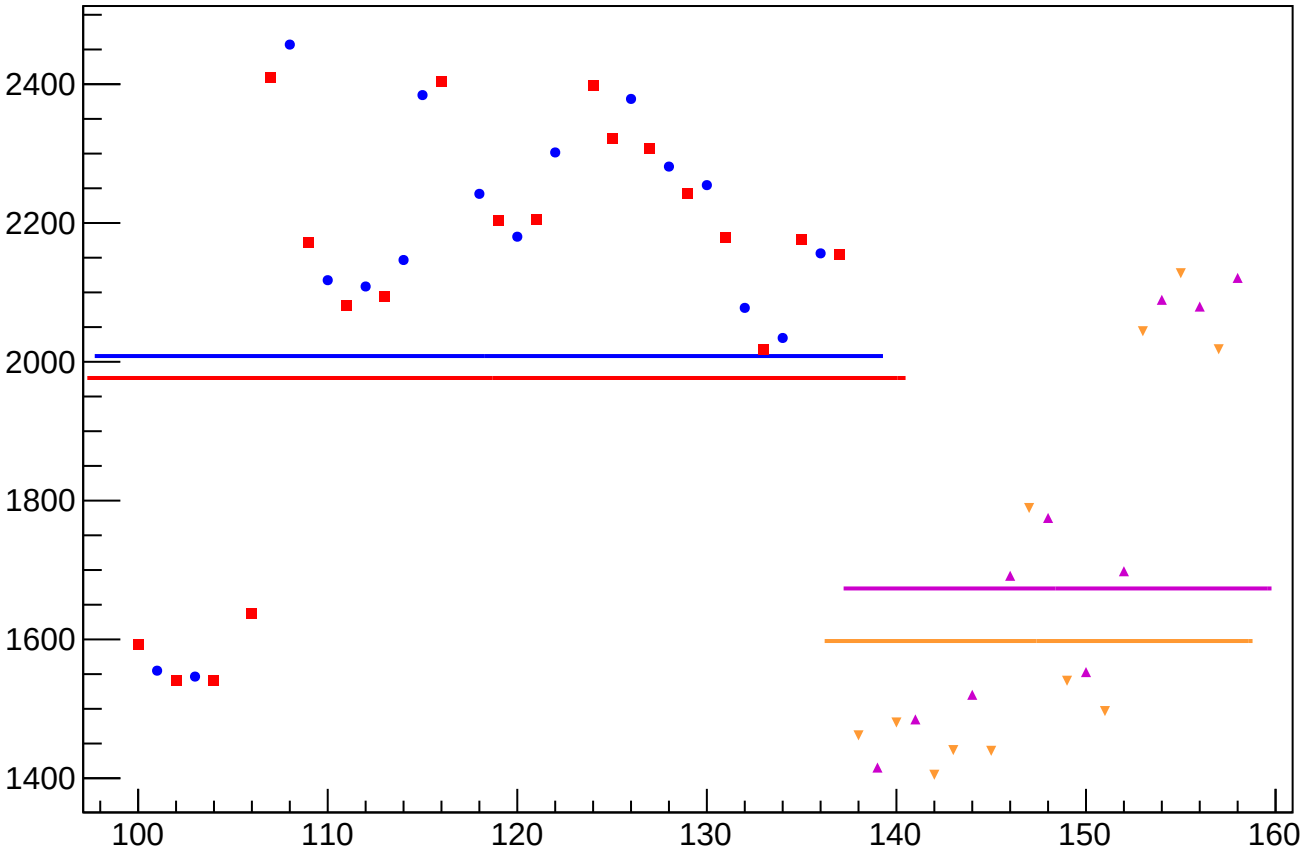
Right Out: -6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: 7.848+/-0.573 χ^2/NDF:91.5/9

+ sign 4.390+/-0.444 χ^2/NDF: 645.2/26

All: 3.386+/-0.316 χ^2/NDF: 1412.2/55

- sign 2.348+/-0.451 χ^2/NDF: 756.6/28



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1597.687+/-0.388 χ^2/NDF:360999.6/10

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

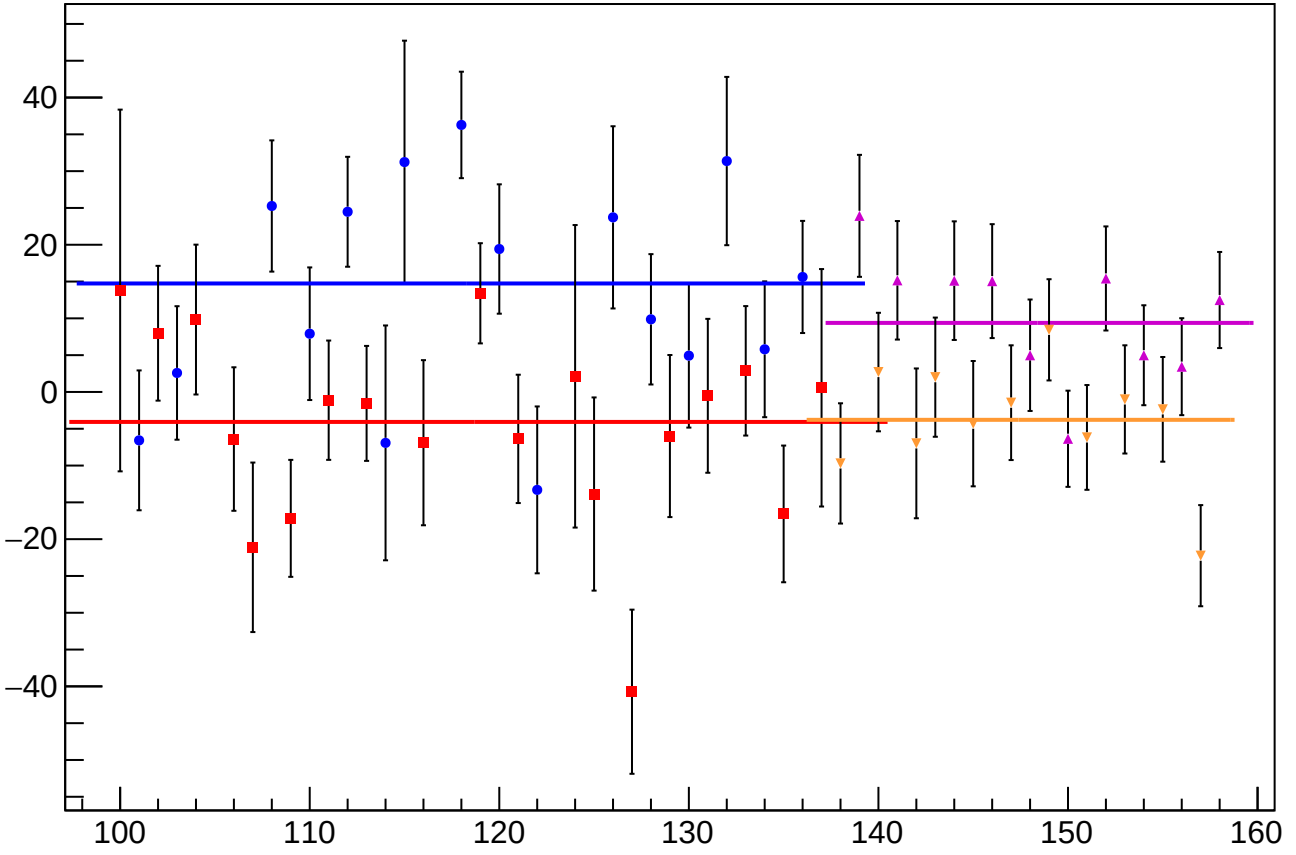
Left In: 1673.427+/-0.405 χ^2/NDF:330220.5/9

+ sign 1739.567+/-0.314 χ^2/NDF: 1092613.3/26

All: 1763.920+/-0.224 χ^2/NDF: 2013774.0/55

- sign 1789.074+/-0.319 χ^2/NDF: 908916.5/28

diff_bpm0l06X_mean vs Slug



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -3.786+/-2.319 χ^2/NDF:12.6/10

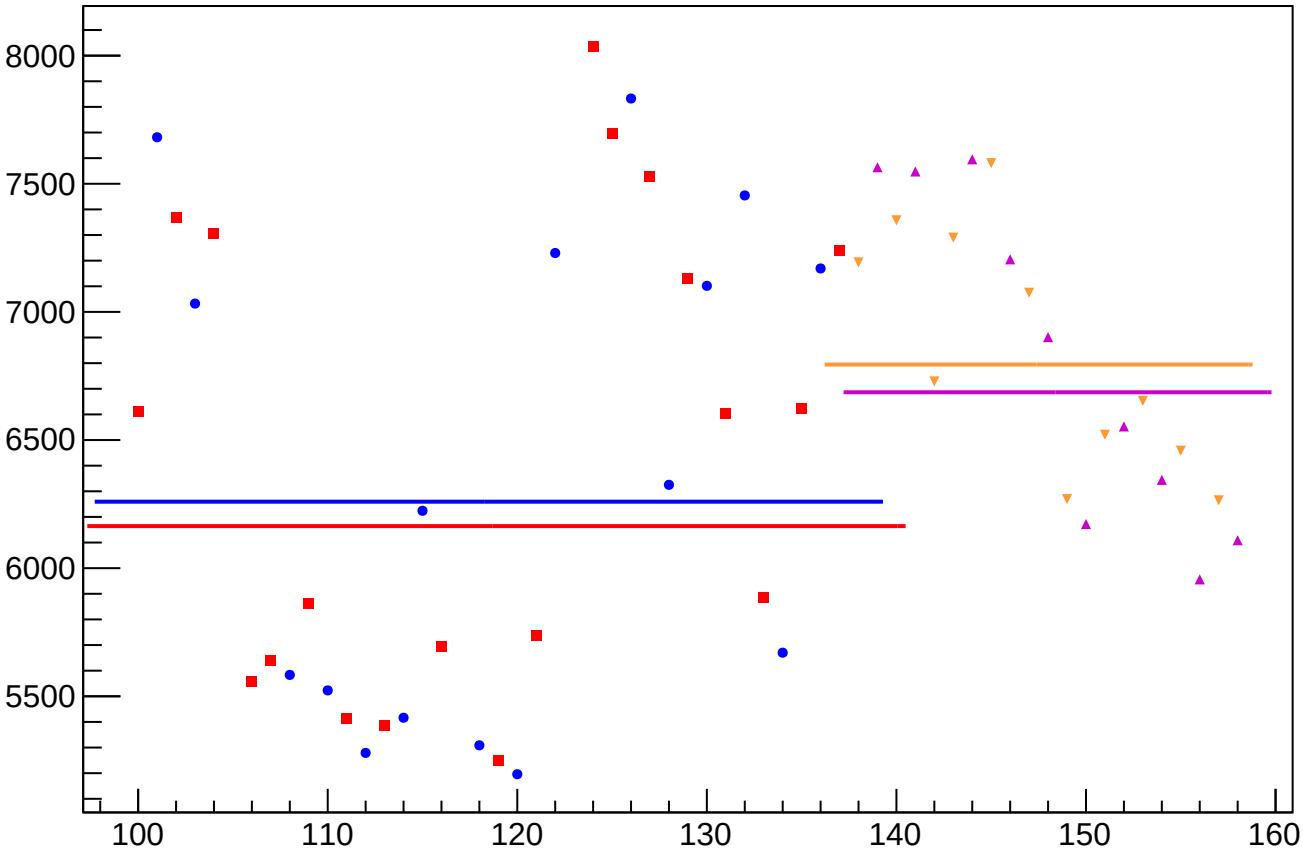
Right Out: -4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: 9.383+/-2.287 χ^2/NDF:13.0/9

+ sign 5.324+/-1.653 χ^2/NDF: 77.5/26

All: 3.936+/-1.154 χ^2/NDF: 139.4/55

- sign 2.616+/-1.612 χ^2/NDF: 60.5/28



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 6794.622+/-1.640 χ^2/NDF:73464.3/10

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

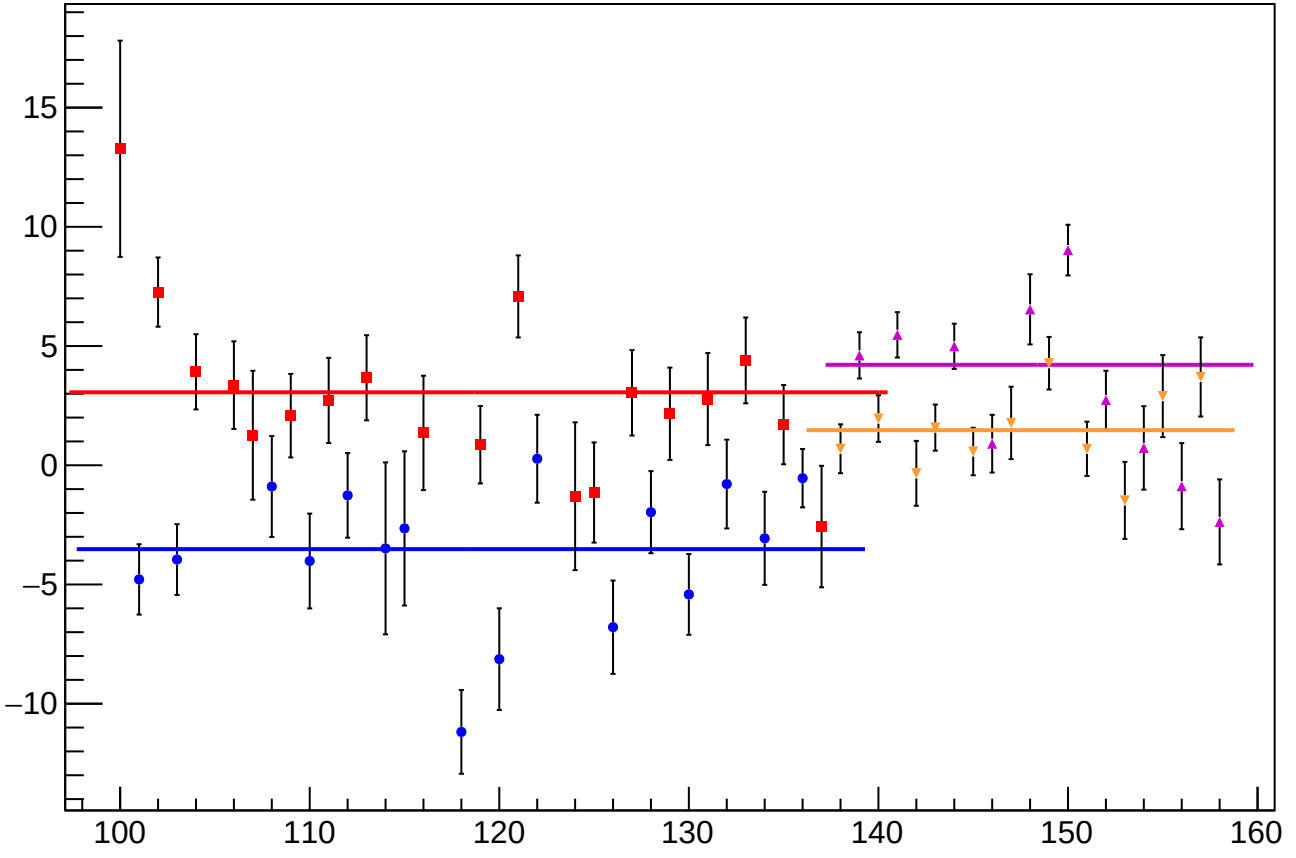
Left In: 6686.406+/-1.617 χ^2/NDF:139809.5/9

+ sign 6531.416+/-1.169 χ^2/NDF: 434451.6/26

All: 6476.232+/-0.816 χ^2/NDF: 896116.6/55

- sign 6423.741+/-1.140 χ^2/NDF: 457317.7/28

diff_bpm0l06Y_mean vs Slug



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 1.472+/-0.360 χ^2/NDF:16.2/10

Right Out: 3.059+/-0.438 χ^2/NDF: 34.8/18

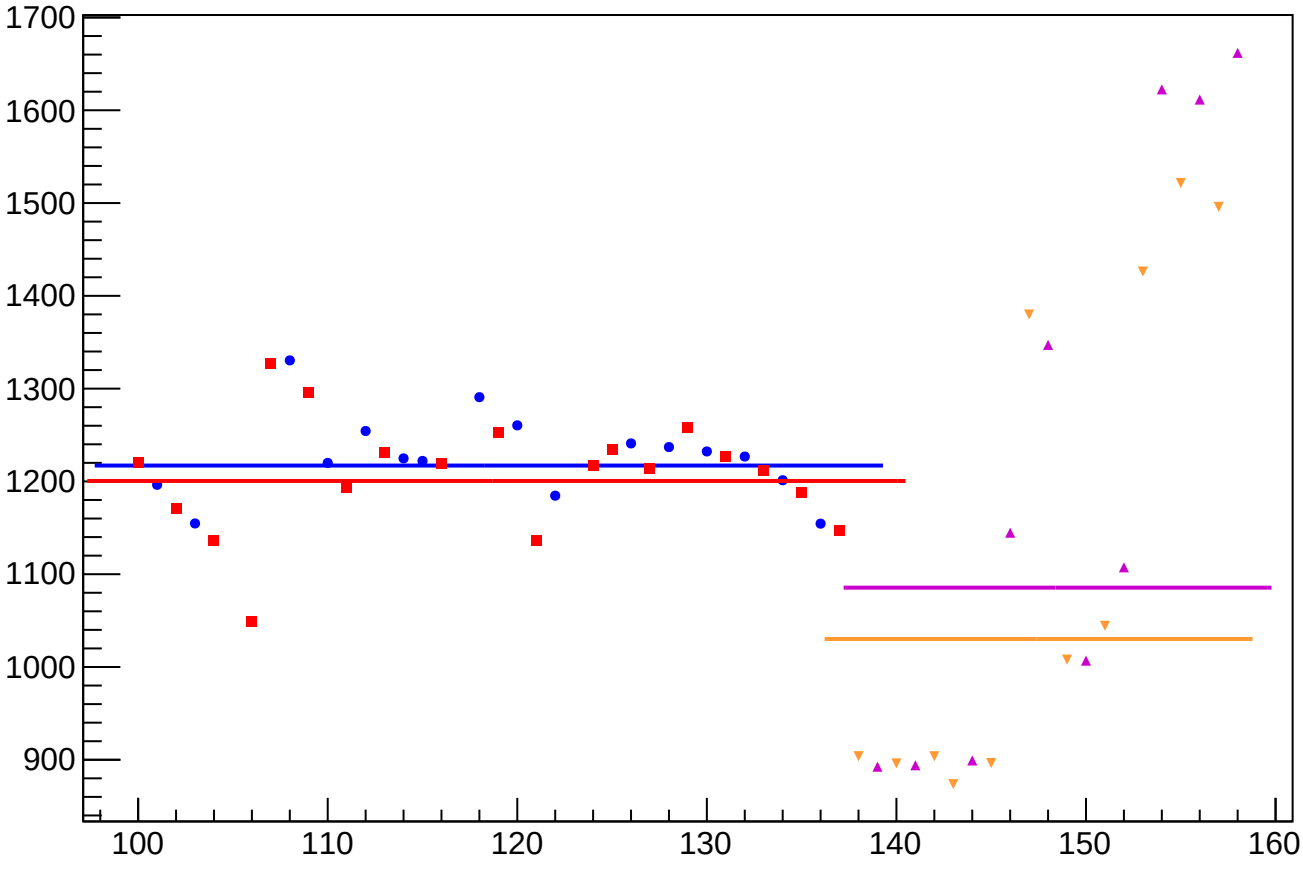
Left In: 4.213+/-0.380 χ^2/NDF:60.0/9

+ sign -0.460+/-0.281 χ^2/NDF: 135.9/26

All: 1.588+/-0.201 χ^2/NDF: 342.6/55

- sign 3.718+/-0.287 χ^2/NDF: 98.8/28

diff_bpm0l06Y_rms vs Slug



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 1030.186+/-0.254 χ^2/NDF:722180.5/10

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

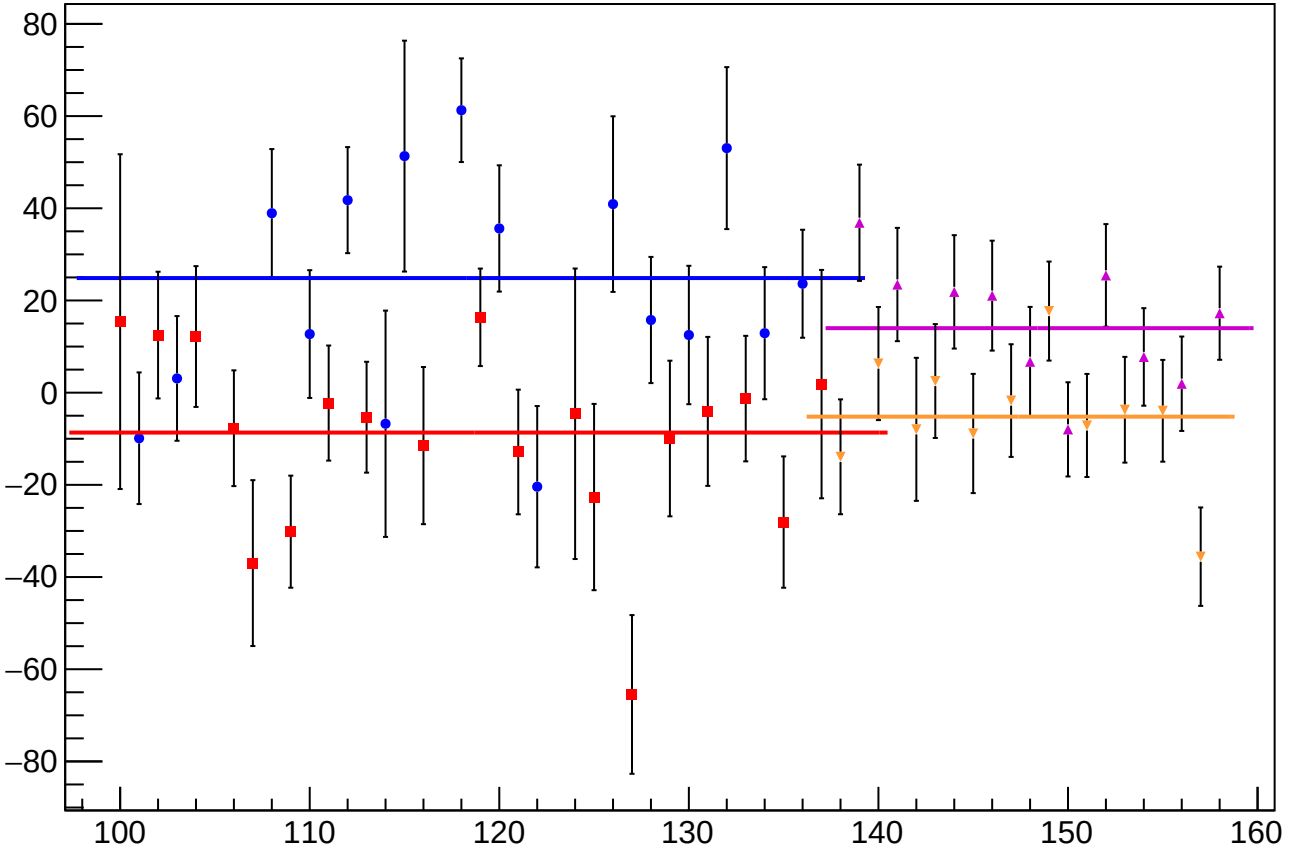
Left In: 1085.503+/-0.269 χ^2/NDF:883795.5/9

+ sign 1102.548+/-0.199 χ^2/NDF: 953072.2/26

All: 1118.376+/-0.142 χ^2/NDF: 1966007.3/55

- sign 1134.844+/-0.203 χ^2/NDF: 1000033.5/28

diff_bpm0l07X_mean vs Slug



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -5.209+/-3.588 χ^2/NDF:14.7/10

Right Out: -8.658+/-3.454 χ^2/NDF: 30.1/18

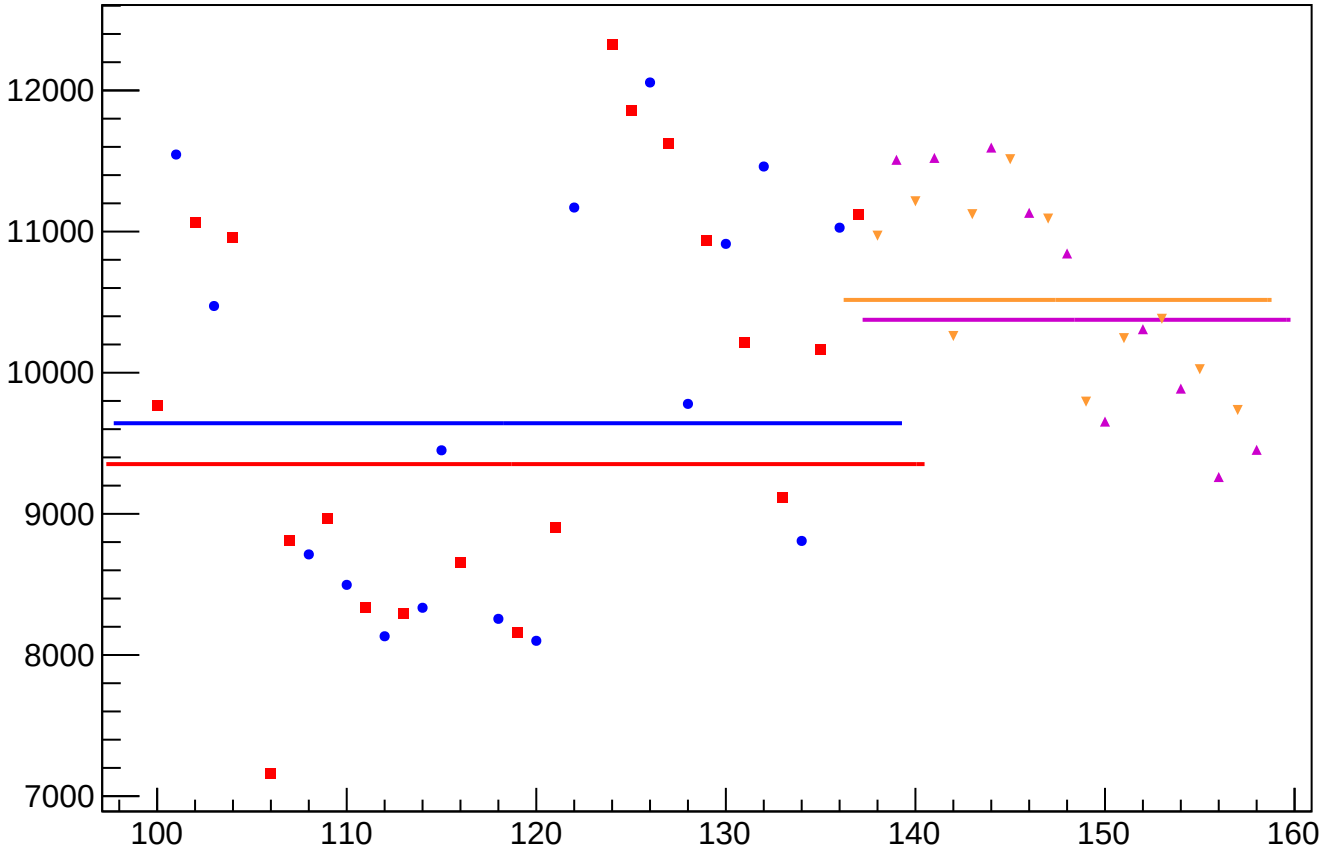
Left In: 13.992+/-3.546 χ^2/NDF:12.5/9

+ sign 9.657+/-2.551 χ^2/NDF: 87.5/26

All: 5.902+/-1.776 χ^2/NDF: 155.3/55

- sign 2.369+/-2.474 χ^2/NDF: 63.6/28

diff_bpm0l07X_rms vs Slug



Right In: 9642.075+/-2.565 χ^2/NDF: 279657.4/15

Left Out: 10515.836+/-2.537 χ^2/NDF:55936.9/10

Right Out: 9352.503+/-2.442 χ^2/NDF: 301779.3/18

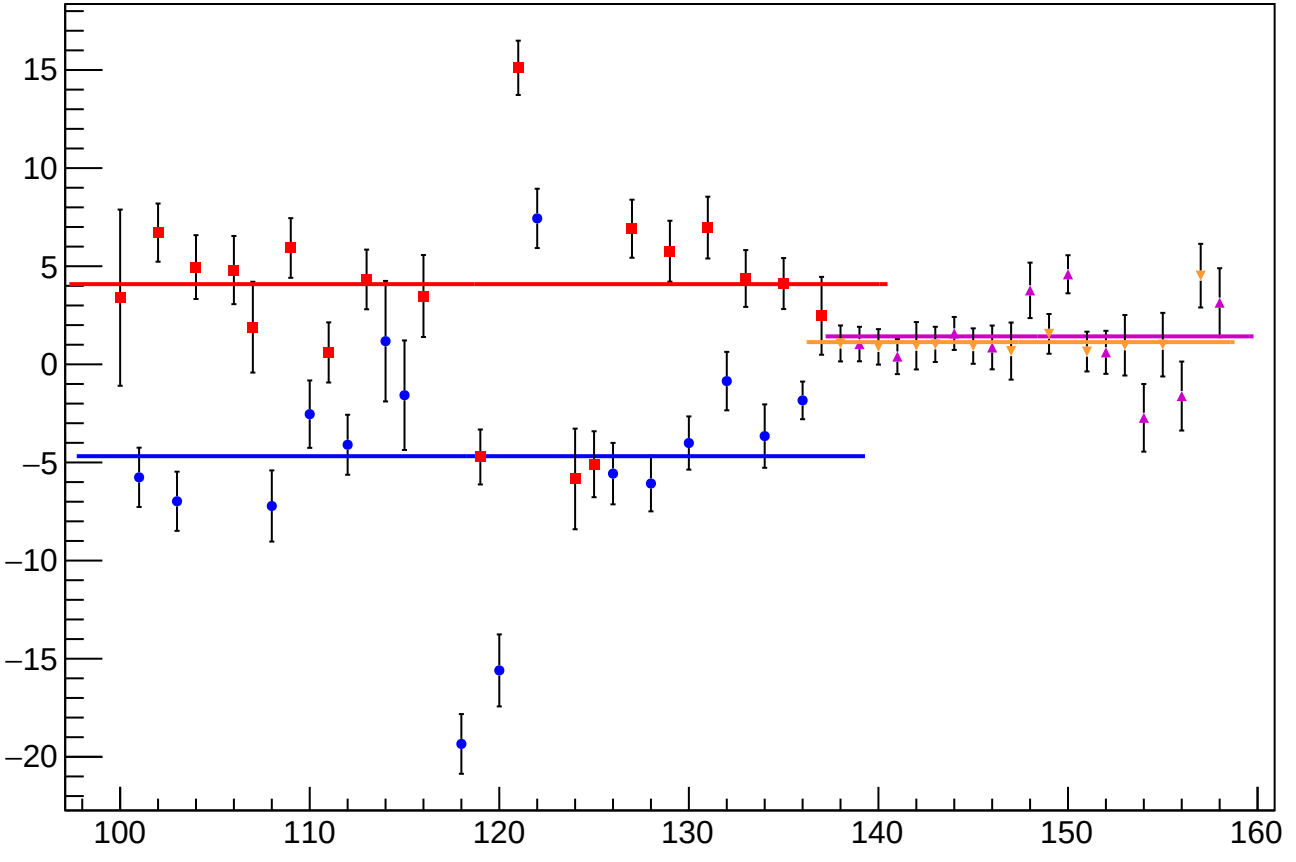
Left In: 10374.942+/-2.507 χ^2/NDF:119052.5/9

+ sign 10083.844+/-1.804 χ^2/NDF: 394247.8/26

All: 9963.485+/-1.256 χ^2/NDF: 909054.9/55

- sign 9850.274+/-1.749 χ^2/NDF: 506167.0/28

diff_bpm0l07Y_mean vs Slug



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 1.133+/-0.330 χ^2/NDF:5.0/10

Right Out: 4.087+/-0.376 χ^2/NDF: 168.1/18

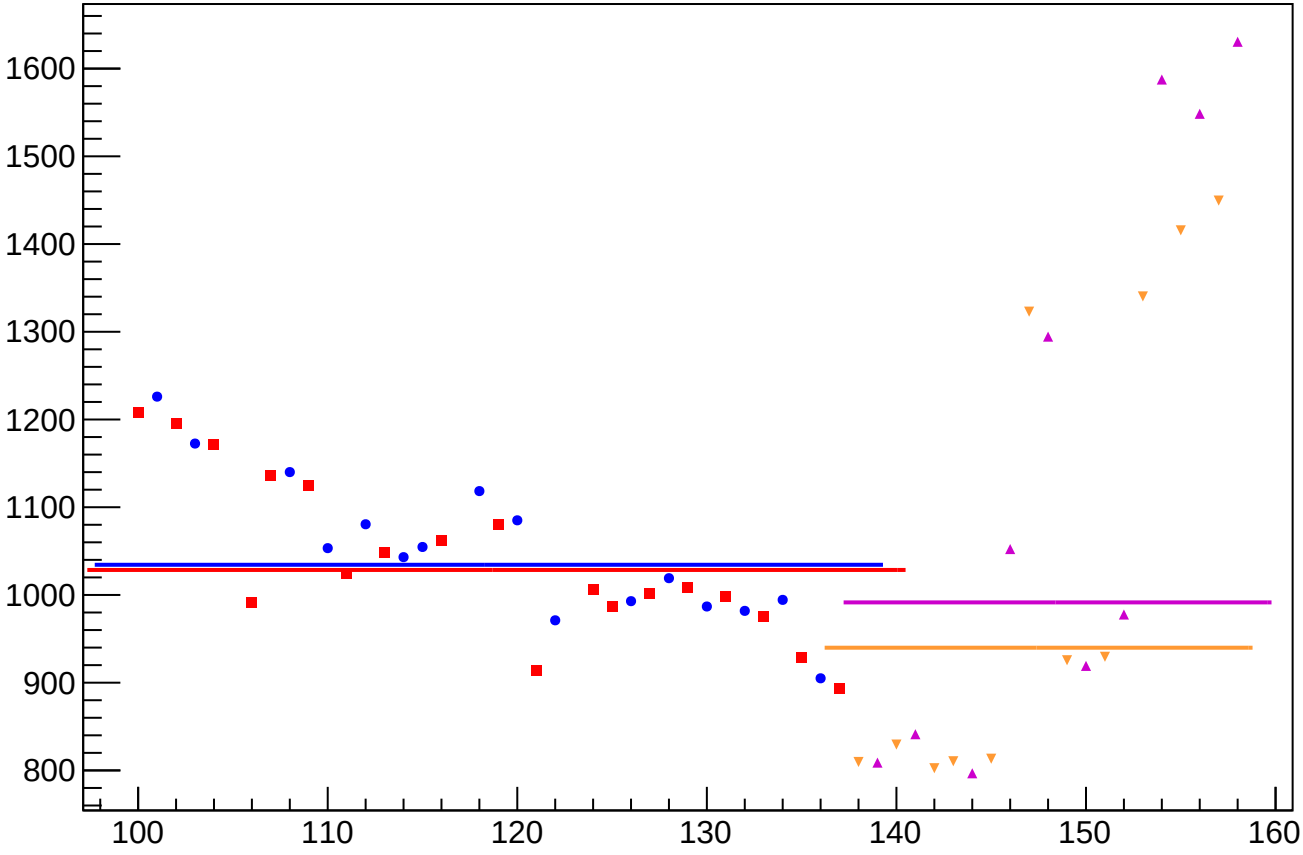
Left In: 1.426+/-0.350 χ^2/NDF:25.5/9

\+ sign -1.325+/-0.251 χ^2/NDF: 357.3/26

All: 0.624+/-0.179 χ^2/NDF: 701.1/55

\- sign 2.661+/-0.256 χ^2/NDF: 220.3/28

diff_bpm0l07Y_rms vs Slug



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 939.870+/-0.233 χ^2/NDF:821083.5/10

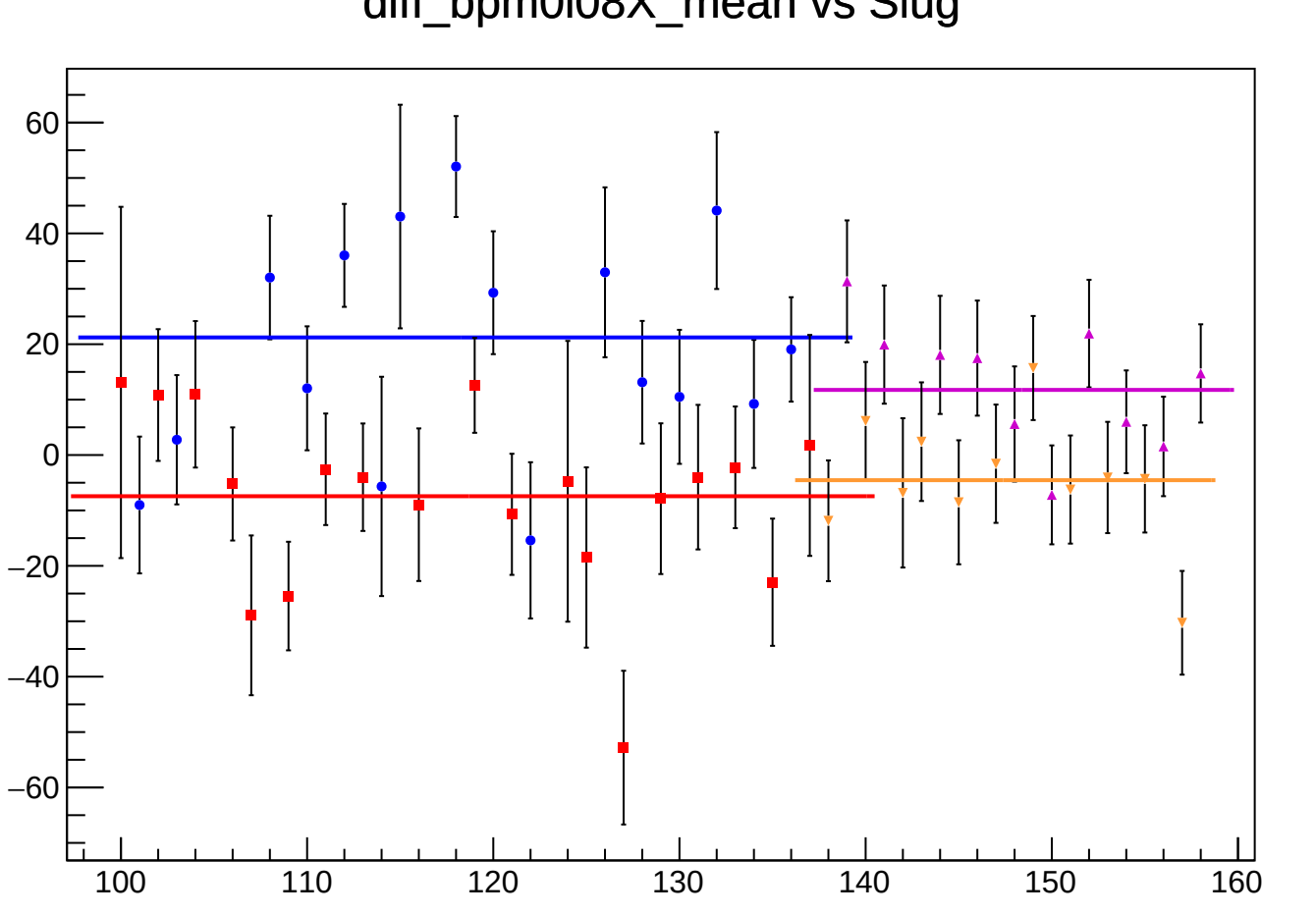
Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

Left In: 991.518+/-0.248 χ^2/NDF:1064406.6/9

+ sign 979.836+/-0.177 χ^2/NDF: 1003681.2/26

All: 993.942+/-0.127 χ^2/NDF: 2192994.0/55

- sign 1008.689+/-0.181 χ^2/NDF: 1176375.3/28



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -4.540+/-3.130 χ^2/NDF:14.4/10

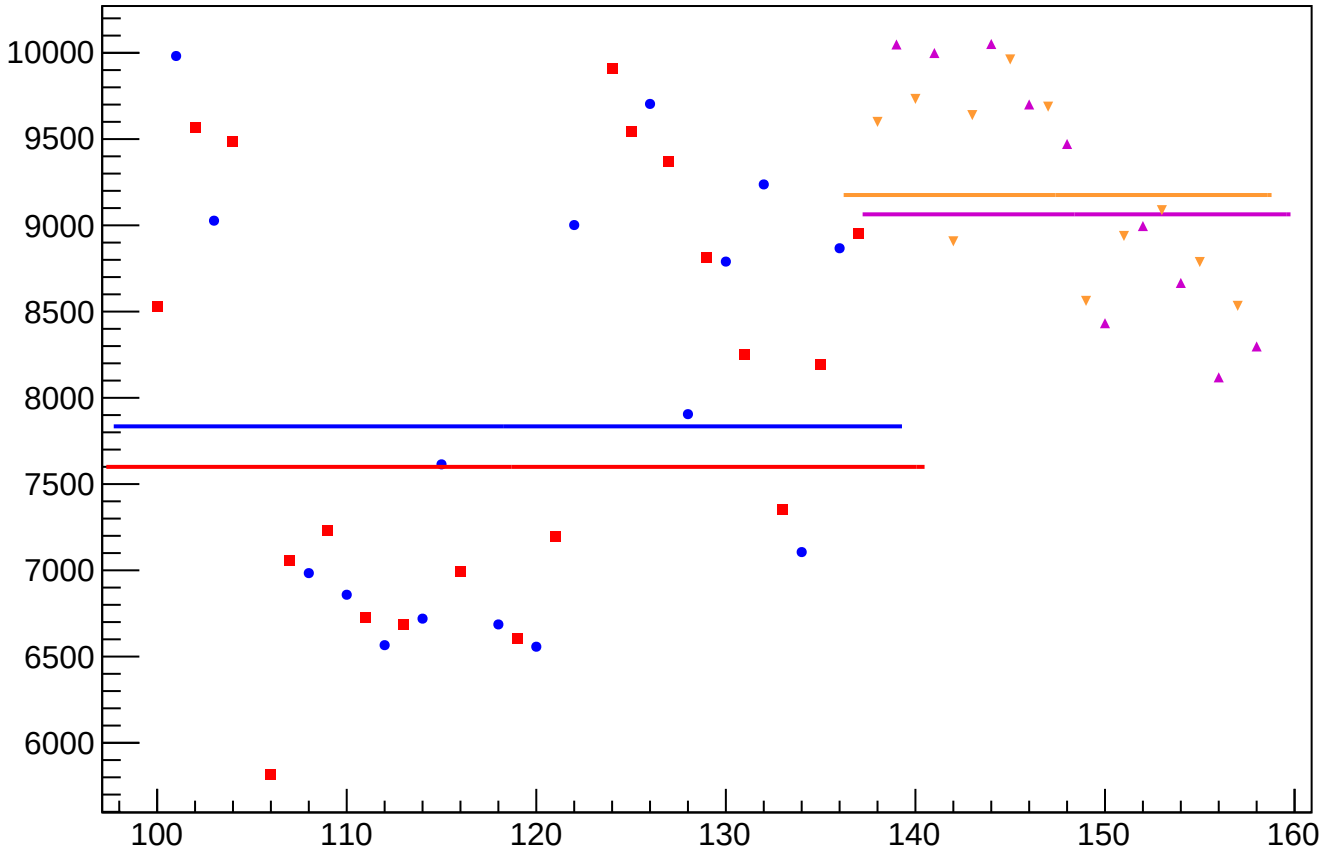
Right Out: -7.435+/-2.810 χ^2/NDF: 29.8/18

Left In: 11.751+/-3.096 χ^2/NDF:12.2/9

+ sign 9.094+/-2.147 χ^2/NDF: 90.3/26

All: 5.039+/-1.494 χ^2/NDF: 160.2/55

- sign 1.231+/-2.081 χ^2/NDF: 63.0/28



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 9175.771+/-2.213 χ^2/NDF:50034.9/10

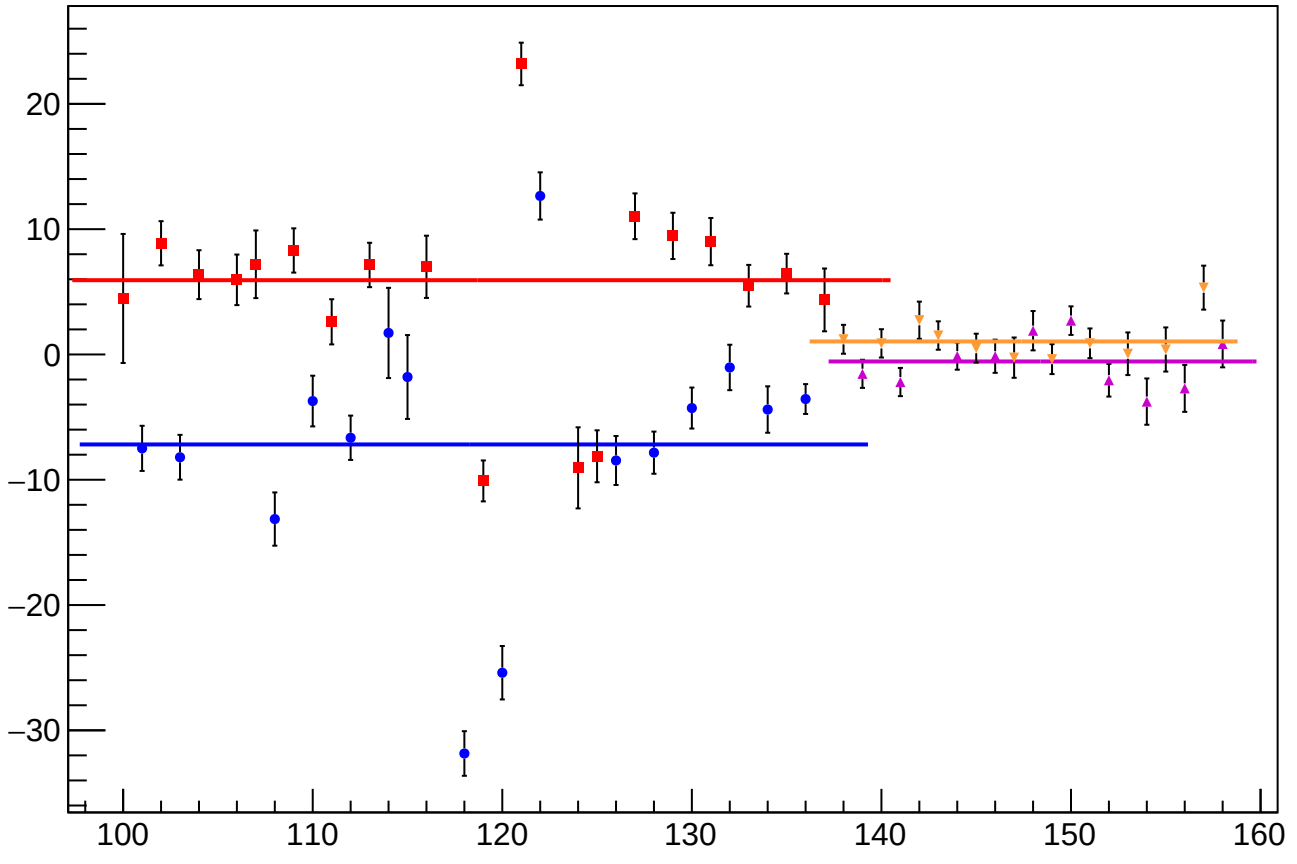
Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

Left In: 9063.778+/-2.190 χ^2/NDF:110026.8/9

+ sign 8465.984+/-1.518 χ^2/NDF: 562488.6/26

All: 8360.278+/-1.057 χ^2/NDF: 1271366.6/55

- sign 8261.006+/-1.471 χ^2/NDF: 699480.5/28



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 1.038+/-0.398 χ^2/NDF:10.2/10

Right Out: 5.927+/-0.449 χ^2/NDF: 290.4/18

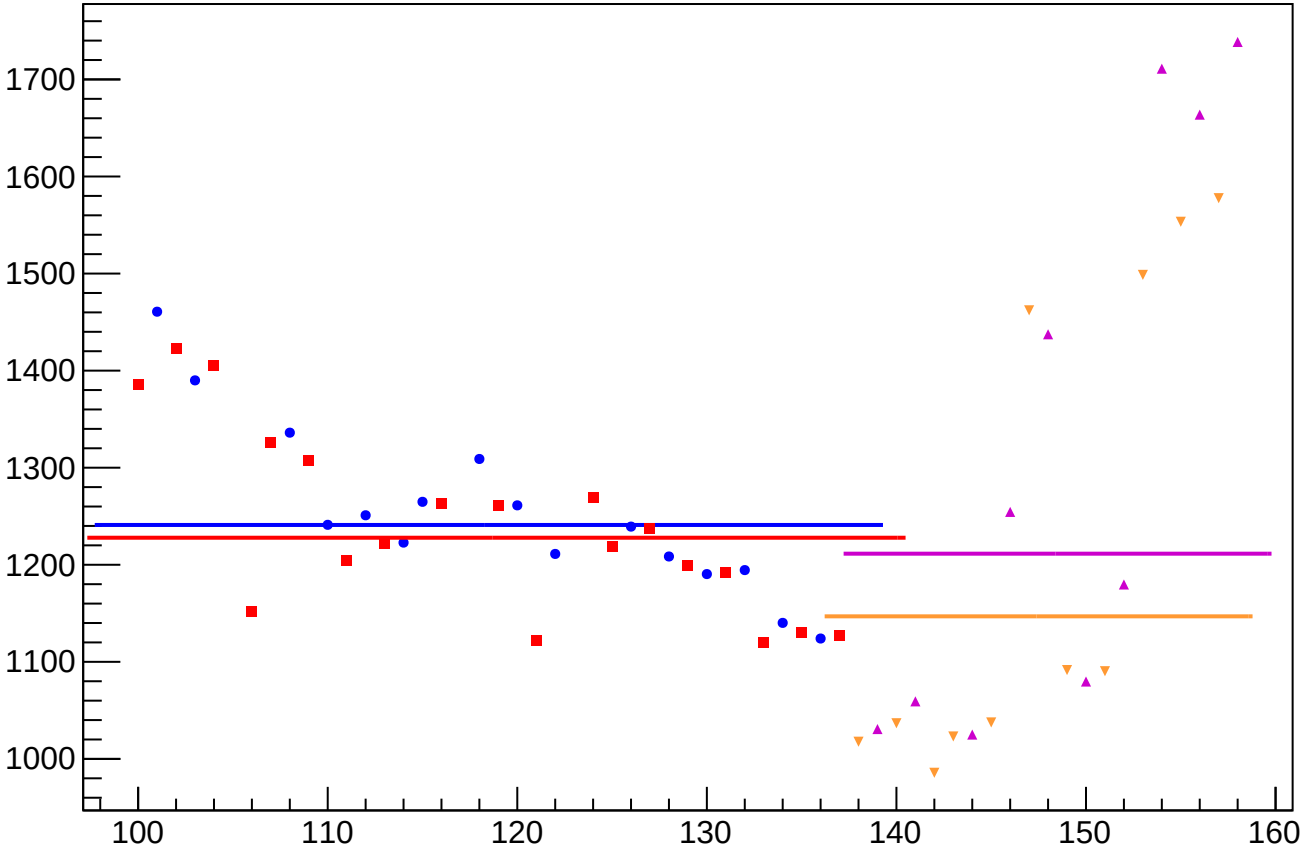
Left In: -0.559+/-0.421 χ^2/NDF:20.0/9

+ sign -2.461+/-0.302 χ^2/NDF: 614.1/26

All: -0.038+/-0.215 χ^2/NDF: 1166.9/55

- sign 2.476+/-0.307 χ^2/NDF: 421.3/28

diff_bpm0l08Y_rms vs Slug



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1146.866+/-0.281 χ^2/NDF:507774.8/10

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

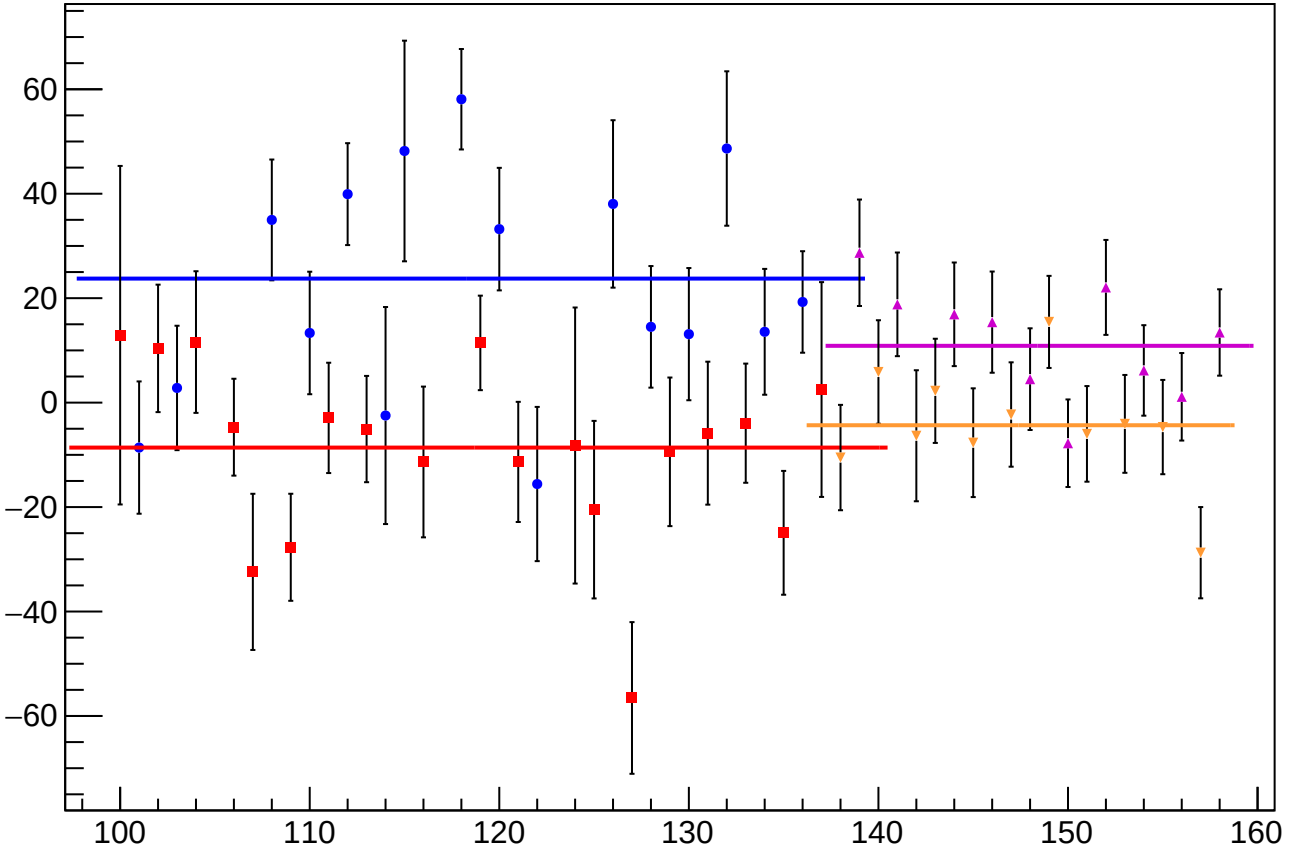
Left In: 1211.420+/-0.298 χ^2/NDF:641455.2/9

+ sign 1186.939+/-0.213 χ^2/NDF: 636053.9/26

All: 1202.731+/-0.152 χ^2/NDF: 1372442.9/55

- sign 1219.114+/-0.217 χ^2/NDF: 725220.7/28

diff_bpm0l09X_mean vs Slug



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -4.331+/-2.921 χ^2/NDF:14.9/10

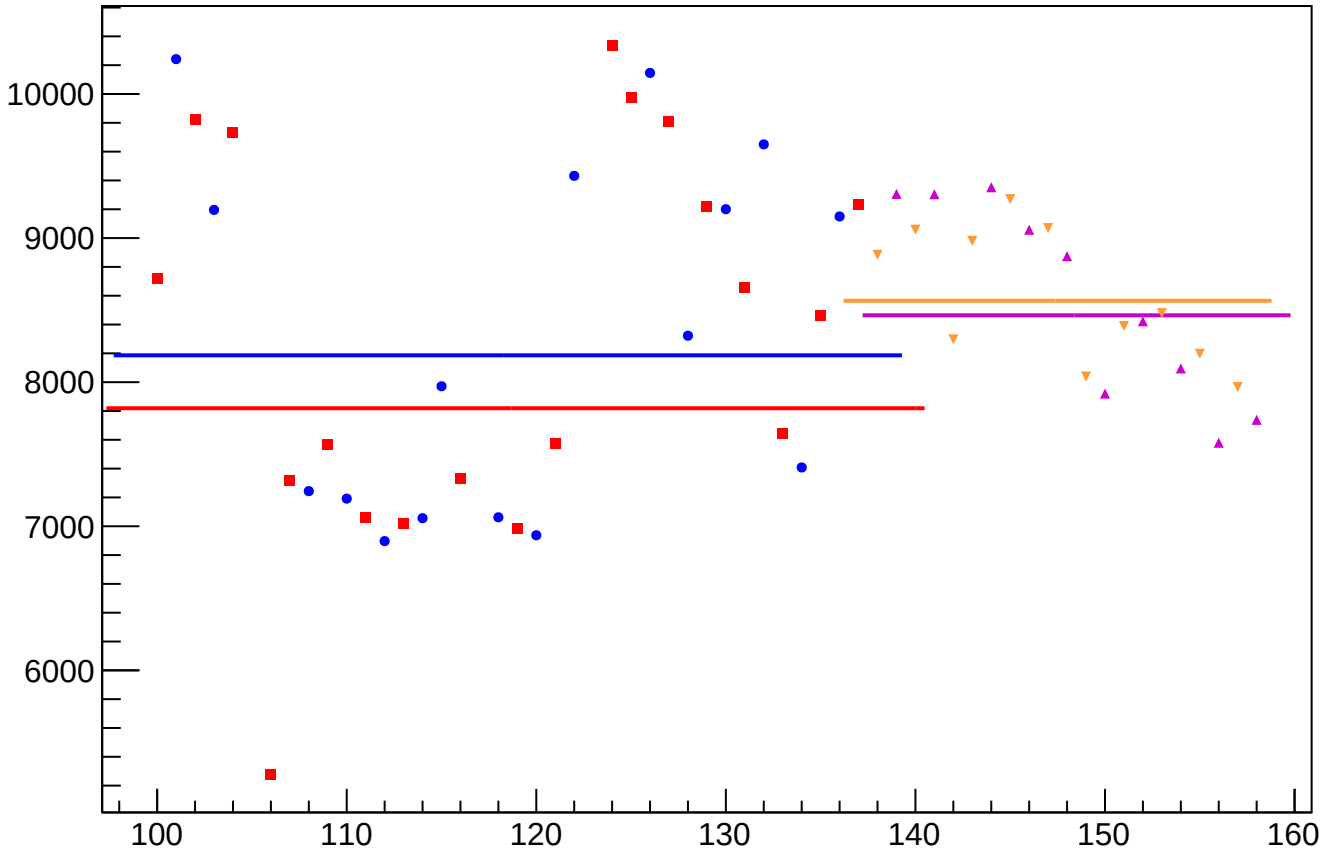
Right Out: -8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: 10.877+/-2.891 χ^2/NDF:12.9/9

+ sign 8.959+/-2.120 χ^2/NDF: 102.1/26

All: 4.924+/-1.473 χ^2/NDF: 175.1/55

- sign 1.161+/-2.047 χ^2/NDF: 66.0/28



Right In: 8186.361+/-2.179 χ^2/NDF: 290628.8/15

Left Out: 8564.759+/-2.065 χ^2/NDF:46346.8/10

Right Out: 7818.965+/-2.050 χ^2/NDF: 422998.1/18

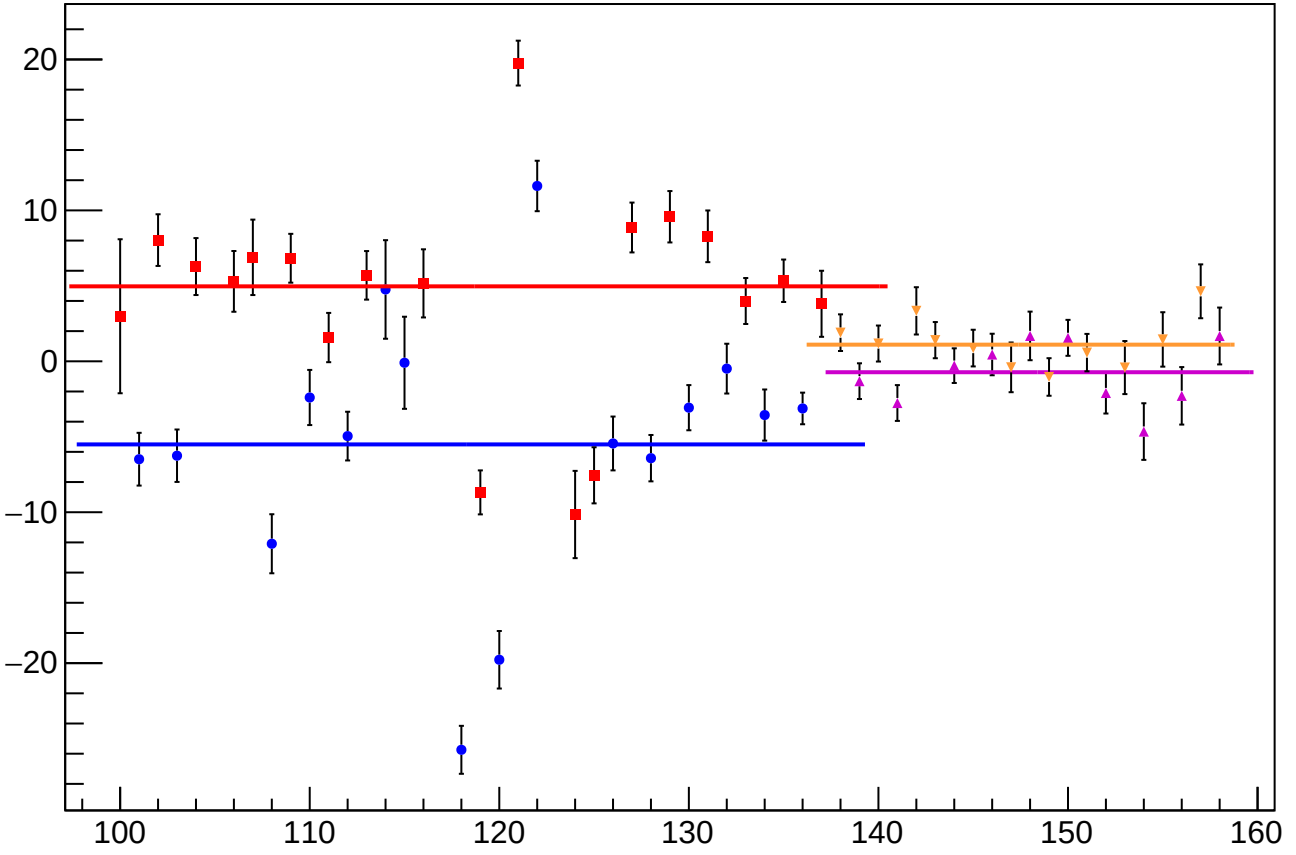
Left In: 8464.157+/-2.044 χ^2/NDF:104861.5/9

+ sign 8385.677+/-1.499 χ^2/NDF: 352861.9/26

All: 8259.824+/-1.041 χ^2/NDF: 944014.9/55

- sign 8142.467+/-1.447 χ^2/NDF: 577530.0/28

diff_bpm0l09Y_mean vs Slug



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 1.104+/-0.416 χ^2/NDF:11.3/10

Right Out: 4.967+/-0.410 χ^2/NDF: 287.3/18

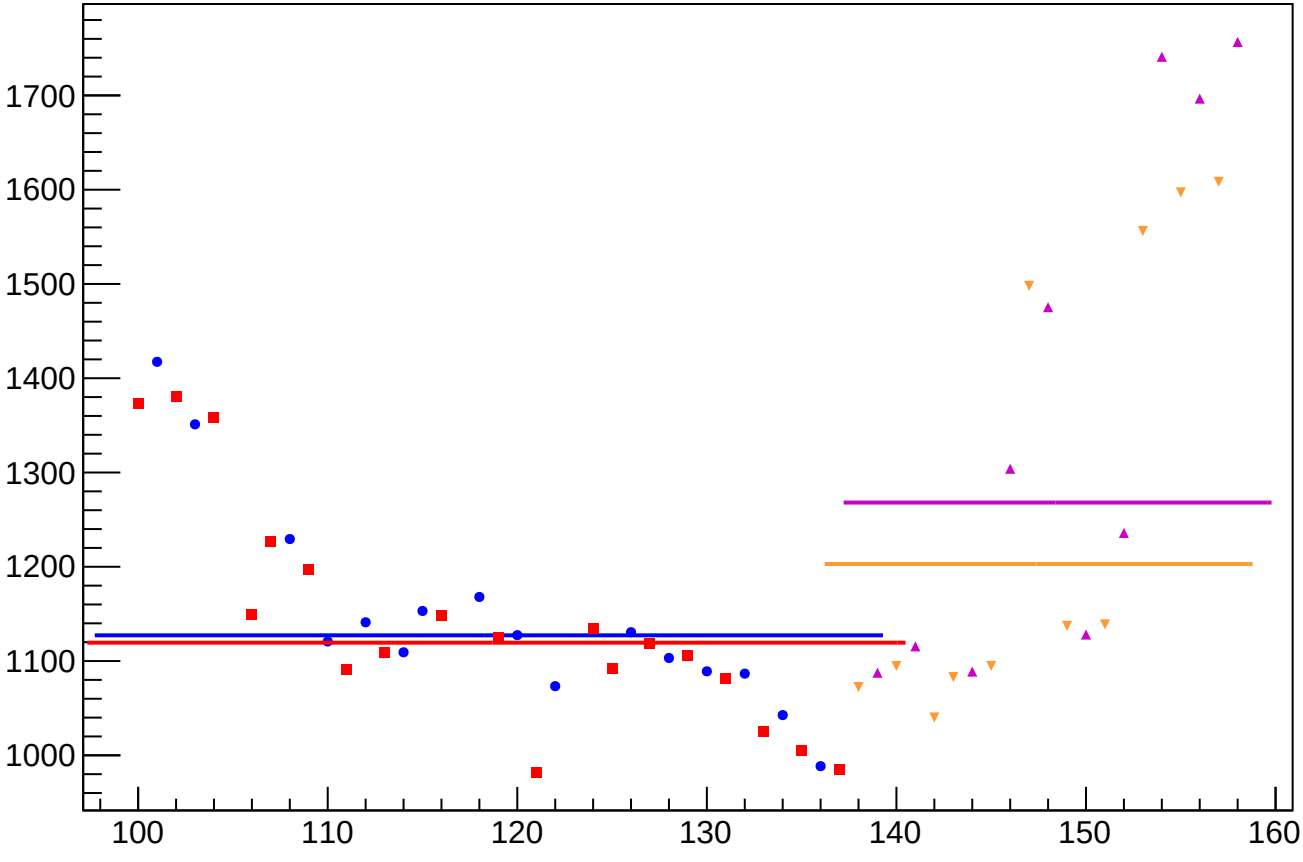
Left In: -0.723+/-0.439 χ^2/NDF:17.7/9

+ sign -2.165+/-0.296 χ^2/NDF: 505.7/26

All: 0.046+/-0.211 χ^2/NDF: 1013.4/55

- sign 2.316+/-0.300 χ^2/NDF: 394.6/28

diff_bpm0l09Y_rms vs Slug



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1202.933+/-0.294 χ^2/NDF:451682.4/10

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

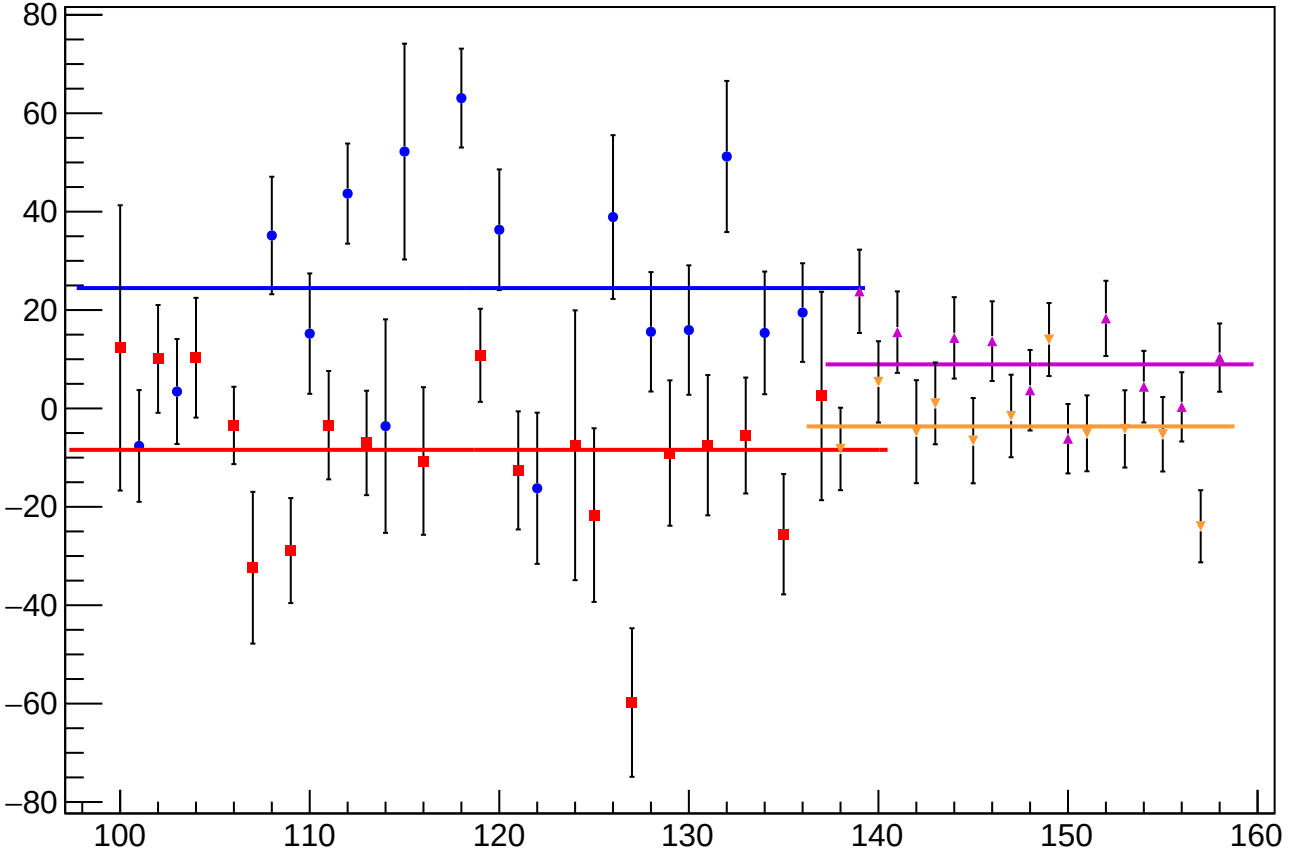
Left In: 1268.116+/-0.311 χ^2/NDF:554494.2/9

+ sign 1165.525+/-0.209 χ^2/NDF: 624953.8/26

All: 1176.979+/-0.149 χ^2/NDF: 1448545.9/55

- sign 1188.737+/-0.212 χ^2/NDF: 817521.6/28

diff_bpm0l10X_mean vs Slug



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -3.652+/-2.446 χ^2/NDF:15.4/10

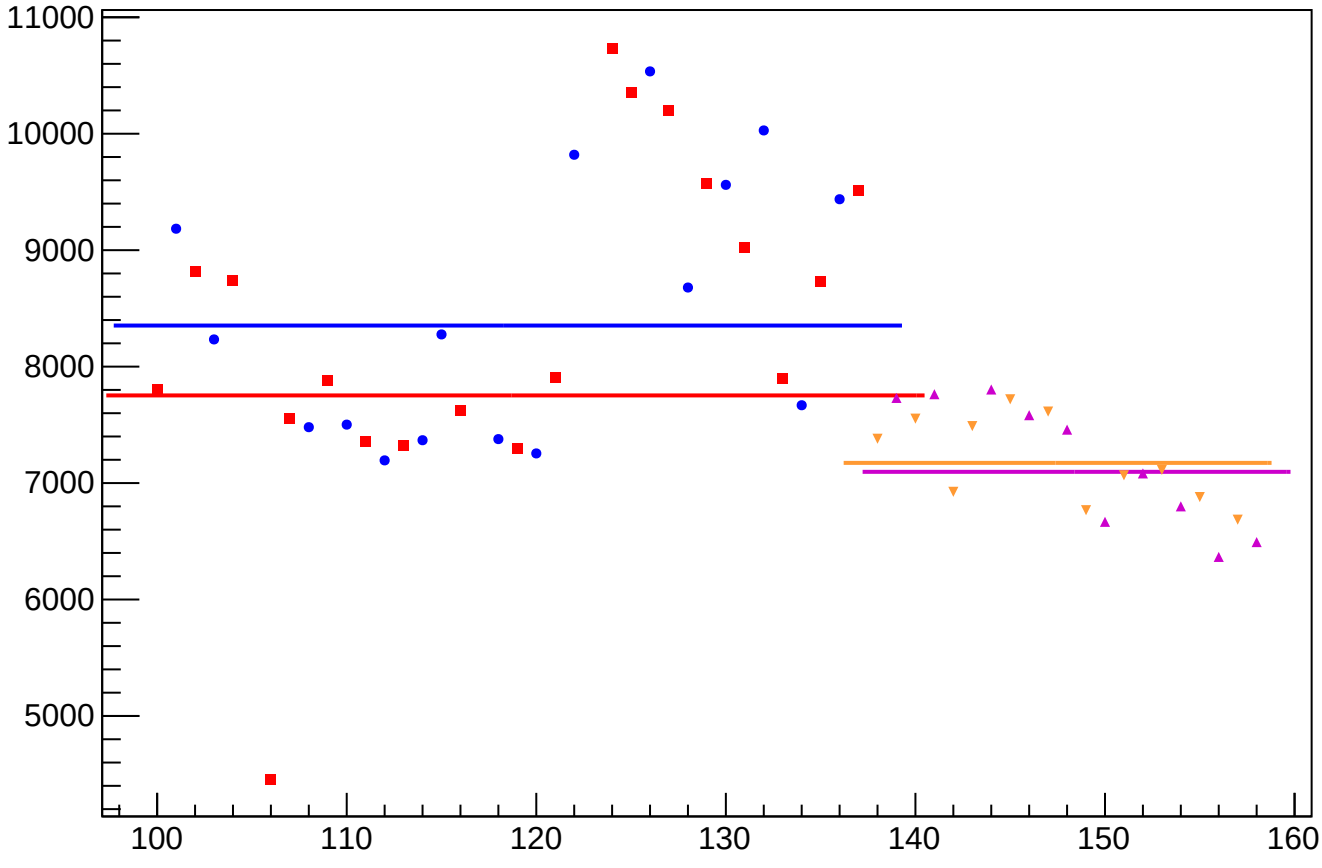
Right Out: -8.413+/-2.891 χ^2/NDF: 31.1/18

Left In: 8.956+/-2.423 χ^2/NDF:12.9/9

+ sign 6.981+/-1.929 χ^2/NDF: 113.7/26

All: 4.287+/-1.338 χ^2/NDF: 182.7/55

- sign 1.789+/-1.857 χ^2/NDF: 65.2/28



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 7173.389+/-1.729 χ^2/NDF:41261.2/10

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

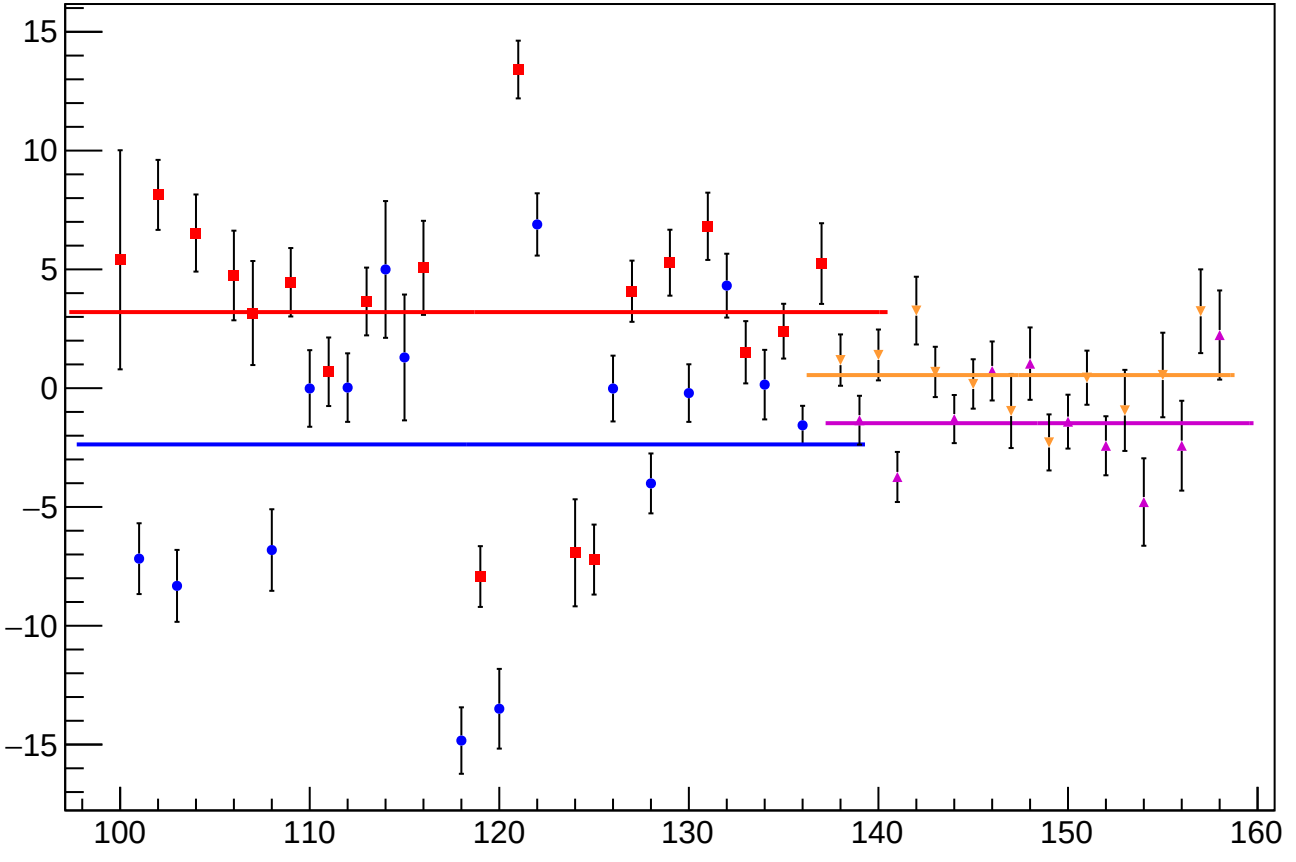
Left In: 7096.495+/-1.713 χ^2/NDF:97322.9/9

+ sign 7619.414+/-1.364 χ^2/NDF: 437545.2/26

All: 7488.555+/-0.946 χ^2/NDF: 1201206.8/55

- sign 7367.239+/-1.313 χ^2/NDF: 745918.3/28

diff_bpm0l10Y_mean vs Slug



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: 0.551+/-0.380 χ^2/NDF:14.5/10

Right Out: 3.203+/-0.346 χ^2/NDF: 250.5/18

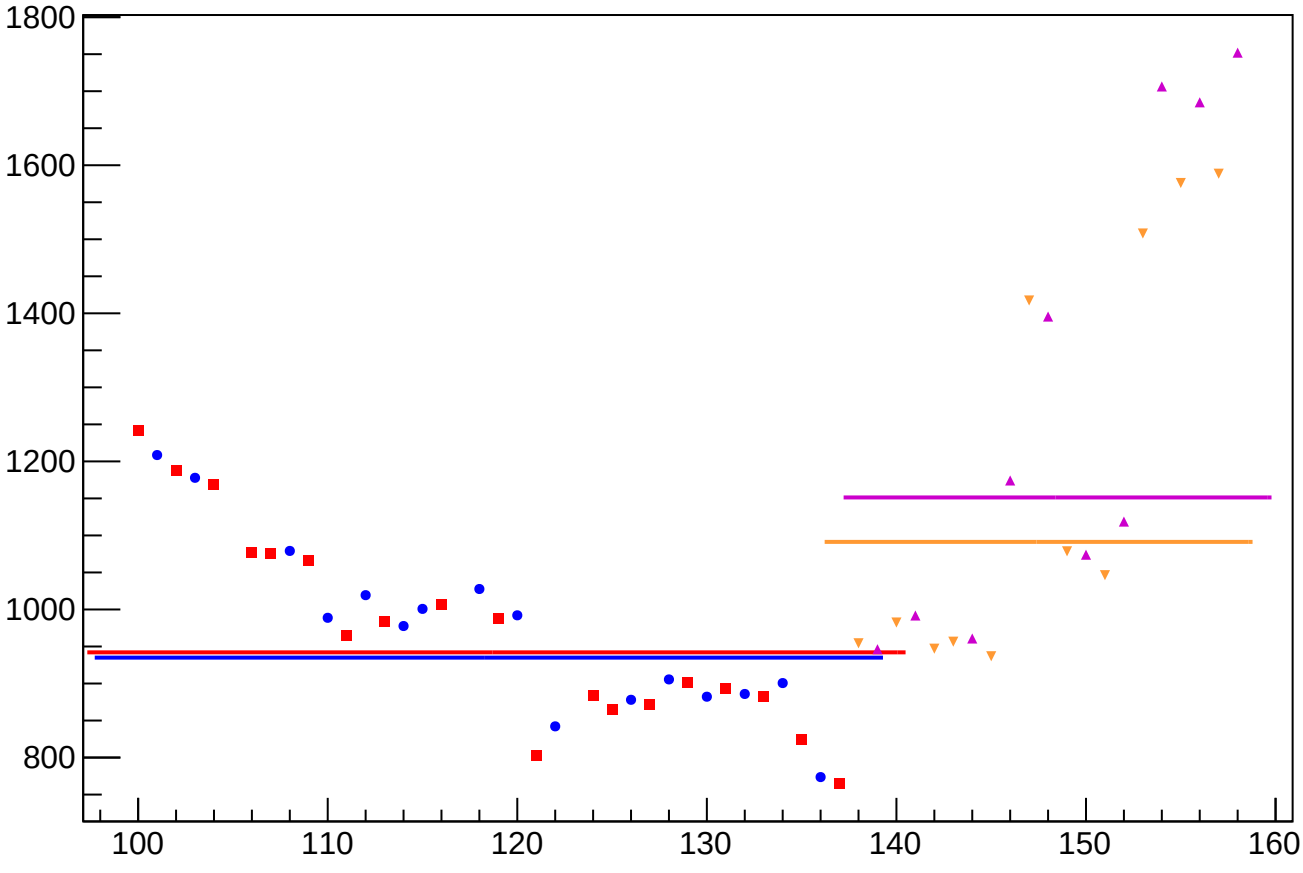
Left In: -1.474+/-0.402 χ^2/NDF:18.5/9

\+ sign -1.027+/-0.258 χ^2/NDF: 302.0/26

All: 0.072+/-0.184 χ^2/NDF: 685.6/55

\- sign 1.211+/-0.262 χ^2/NDF: 346.6/28

diff_bpm0l10Y_rms vs Slug



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 1091.291+/-0.269 χ^2/NDF:667378.0/10

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

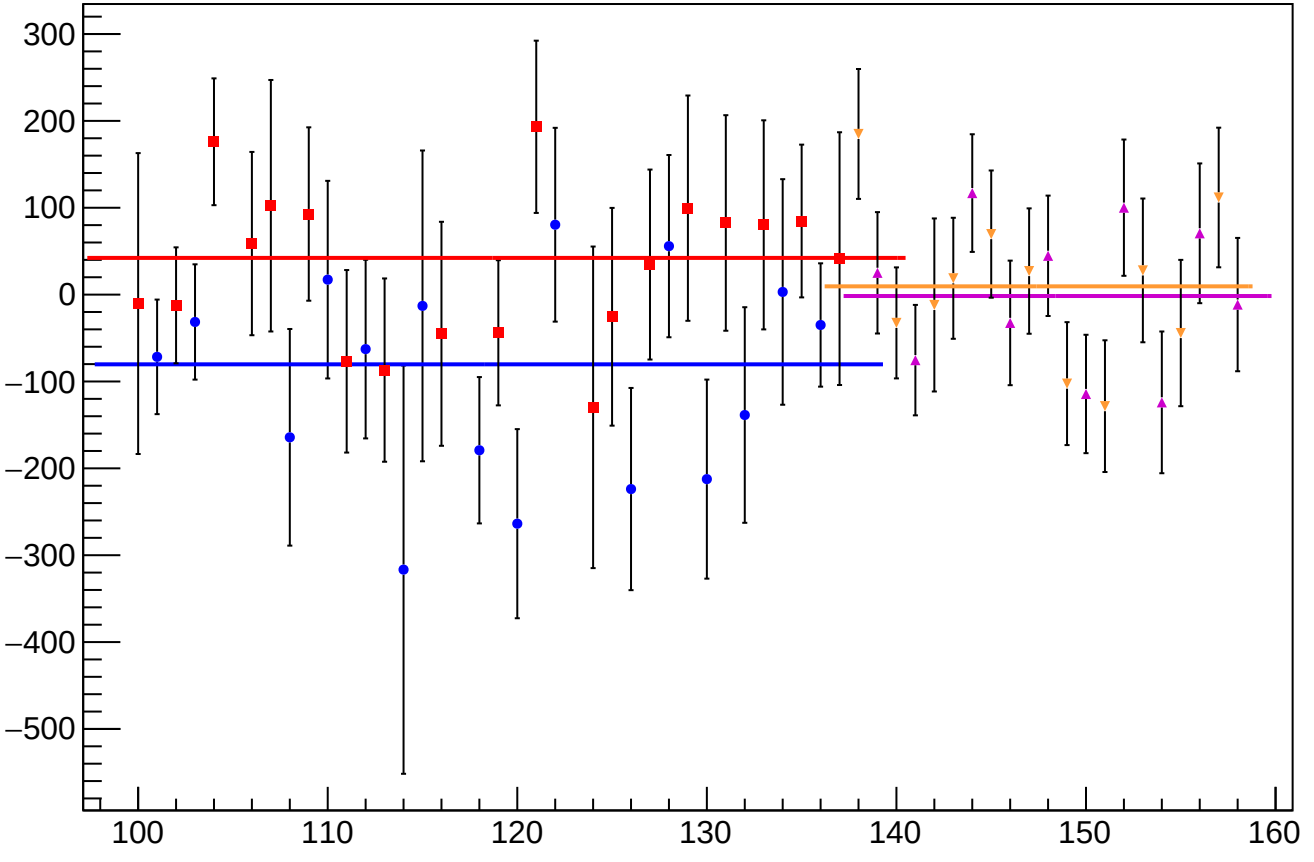
Left In: 1151.312+/-0.284 χ^2/NDF:804824.5/9

+ sign 1006.787+/-0.182 χ^2/NDF: 1104543.4/26

All: 1018.762+/-0.130 χ^2/NDF: 2461352.9/55

- sign 1031.186+/-0.186 χ^2/NDF: 1348008.2/28

diff_bpm0r03X_mean vs Slug



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 9.527+/-22.795 χ^2/NDF:14.6/10

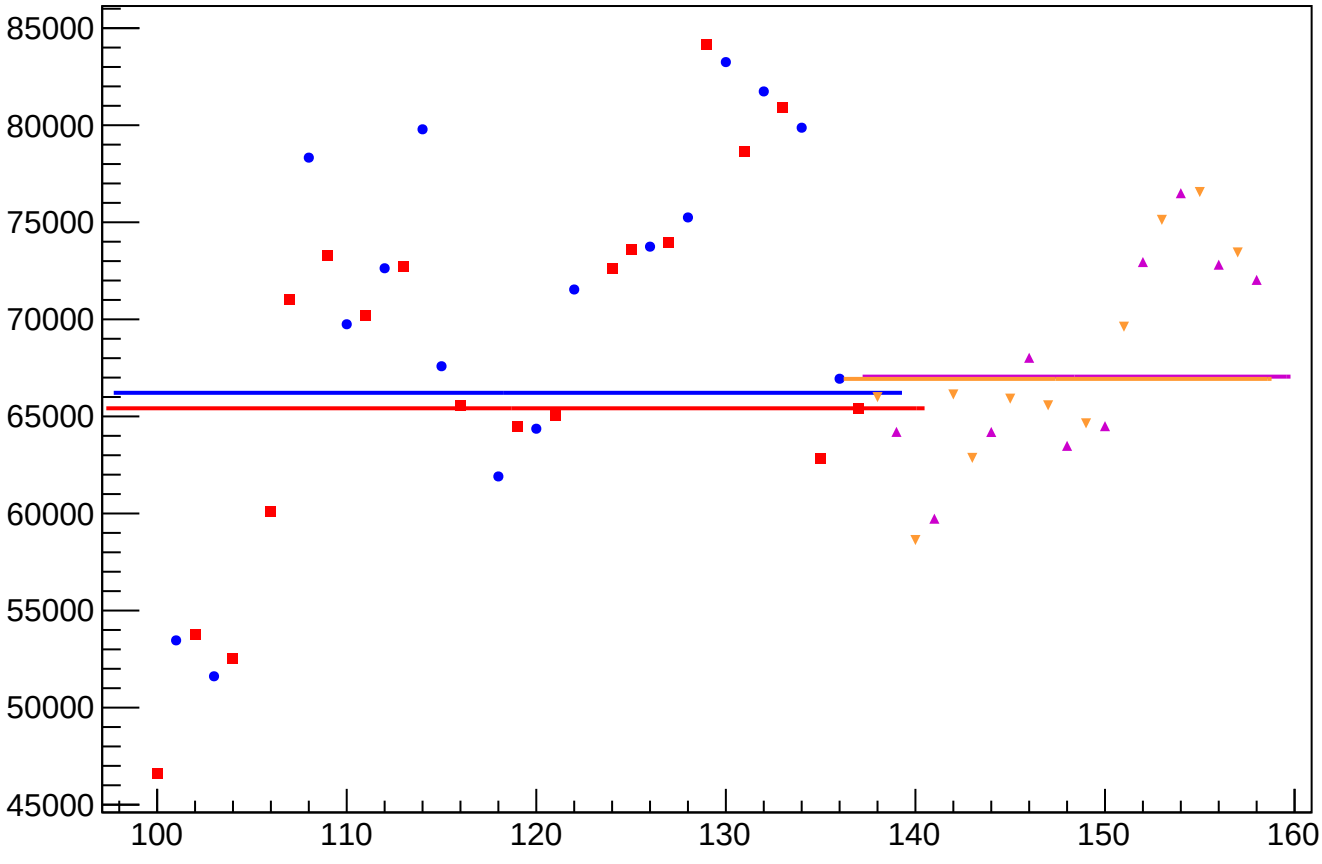
Right Out: 42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: -1.610+/-22.789 χ^2/NDF:12.7/9

\+ sign -31.391+/-16.816 χ^2/NDF: 36.5/26

All: -5.797+/-11.804 χ^2/NDF: 68.5/55

\- sign 19.061+/-16.573 χ^2/NDF: 27.4/28



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 66933.194+/-16.118 χ^2/NDF:105585.4/10

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

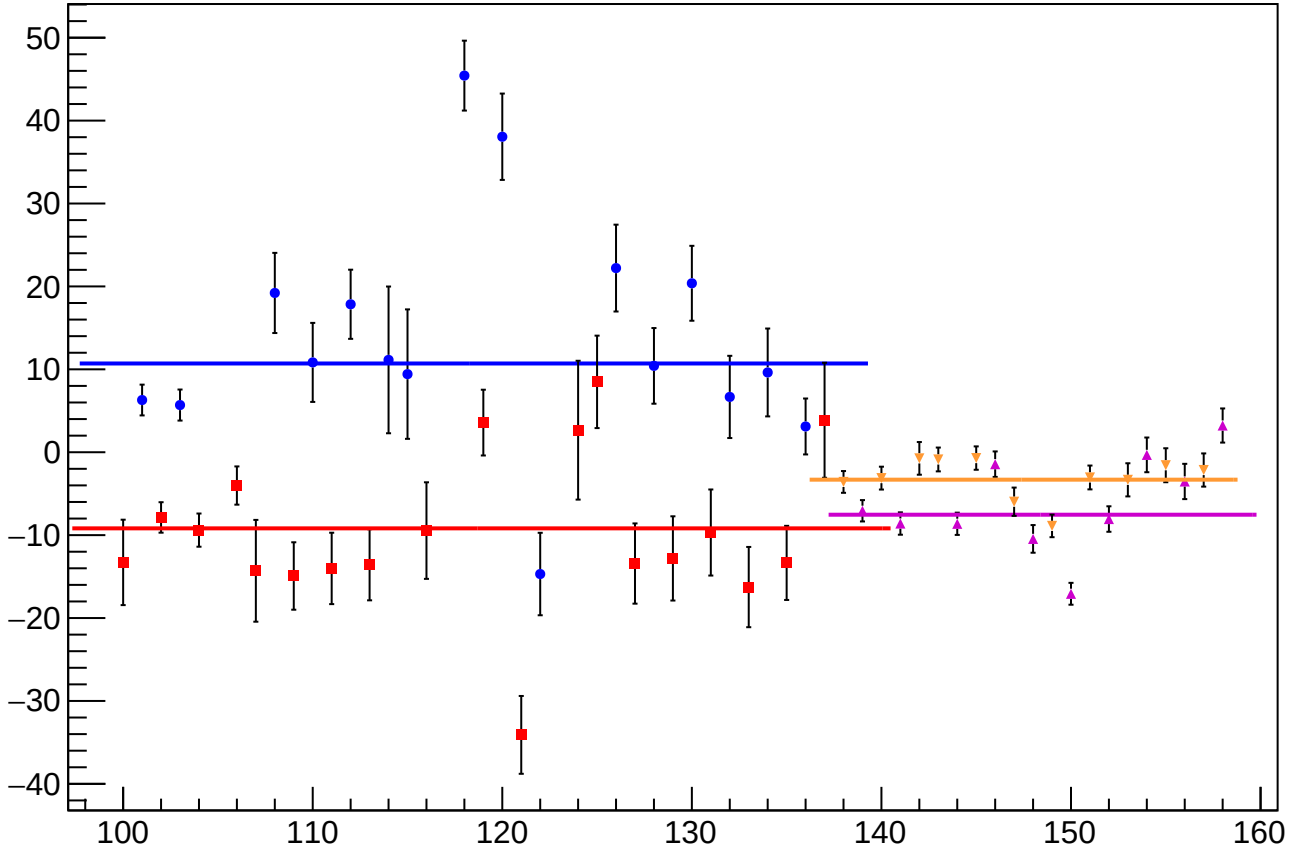
Left In: 67049.422+/-16.114 χ^2/NDF:98679.0/9

+ sign 66606.372+/-11.891 χ^2/NDF: 444865.1/26

All: 66441.335+/-8.347 χ^2/NDF: 853305.8/55

- sign 66281.042+/-11.719 χ^2/NDF: 408060.9/28

diff_bpm0r03Y_mean vs Slug



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -3.310+/-0.474 χ^2/NDF:28.3/10

Right Out: -9.182+/-0.850 χ^2/NDF: 69.6/18

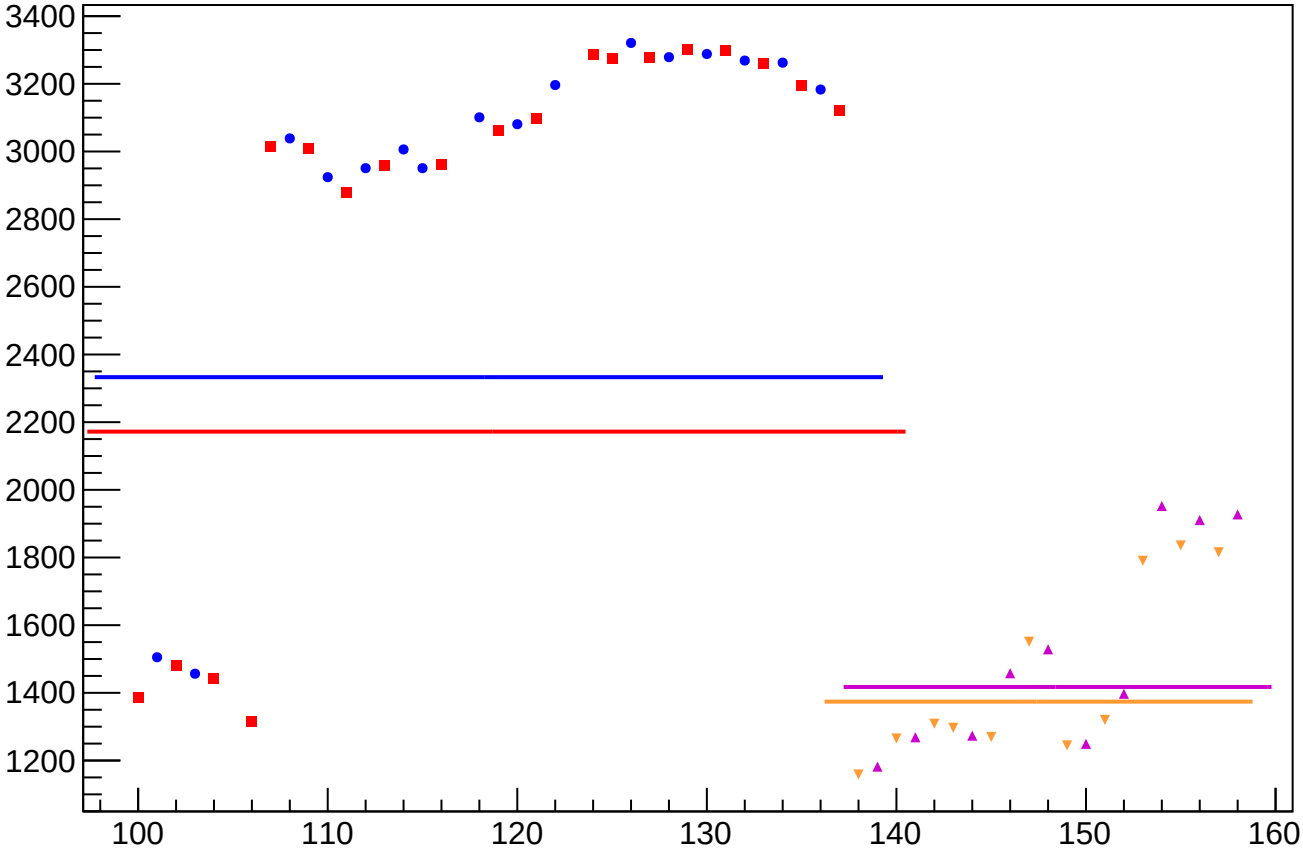
Left In: -7.537+/-0.489 χ^2/NDF:115.4/9

+ sign -0.376+/-0.421 χ^2/NDF: 367.1/26

All: -4.134+/-0.299 χ^2/NDF: 715.3/55

- sign -7.947+/-0.424 χ^2/NDF: 187.7/28

diff_bpm0r03Y_rms vs Slug



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1374.009+/-0.335 χ^2/NDF:413155.2/10

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

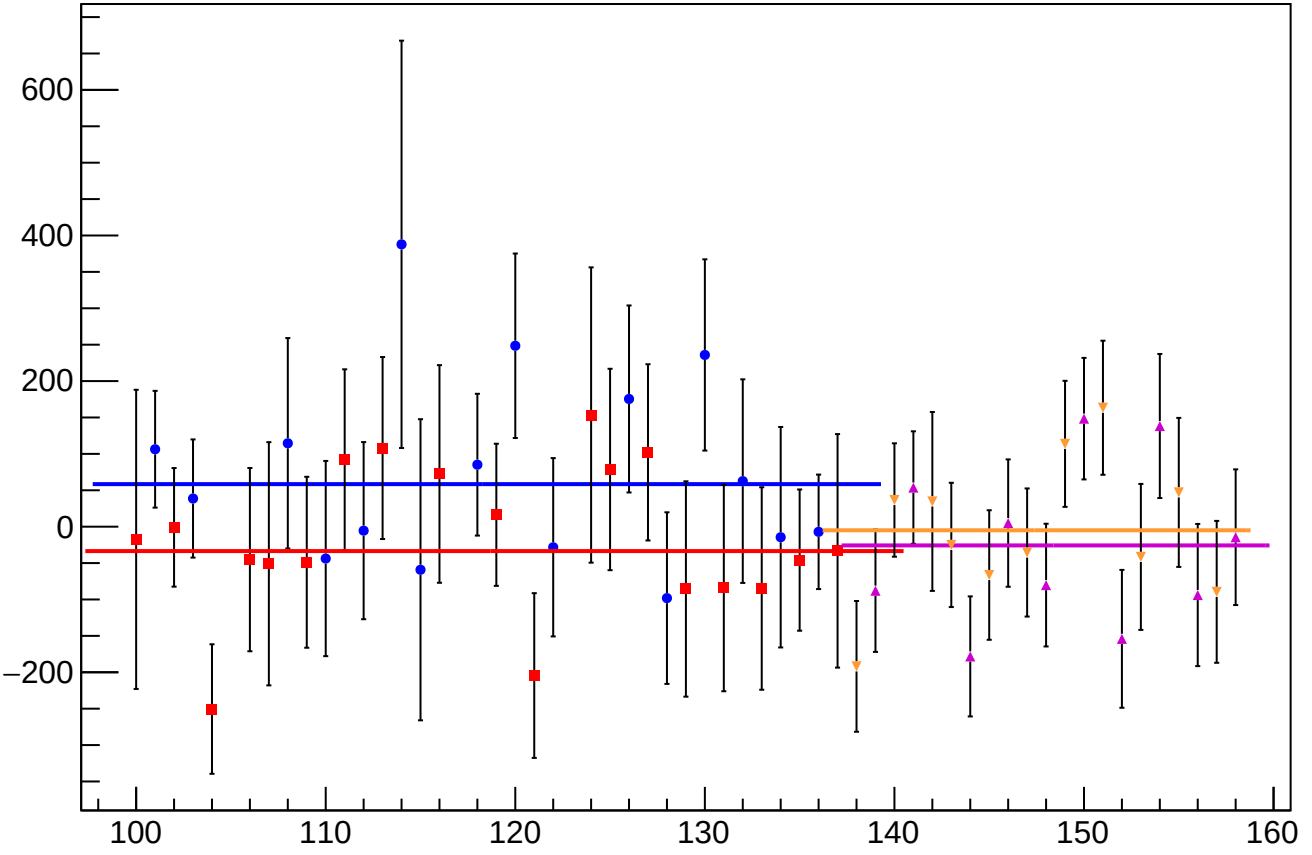
Left In: 1417.354+/-0.346 χ^2/NDF:518295.7/9

+ sign 1574.767+/-0.298 χ^2/NDF: 3780786.8/26

All: 1589.902+/-0.211 χ^2/NDF: 7472181.5/55

- sign 1605.255+/-0.300 χ^2/NDF: 3686192.4/28

diff_bpm0r05X_mean vs Slug



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -4.978+/-27.743 χ^2/NDF:11.7/10

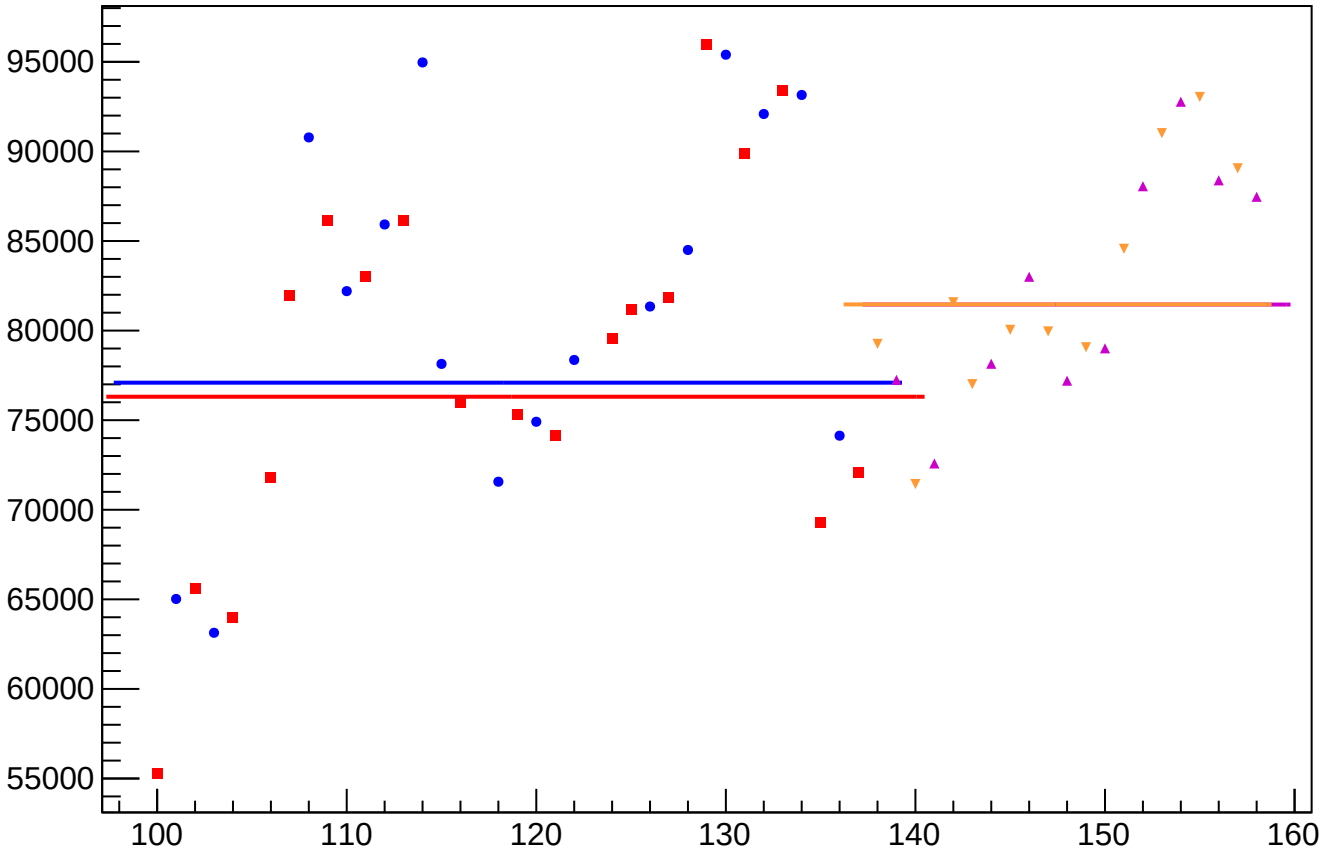
Right Out: -33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: -25.740+/-27.687 χ^2/NDF:15.0/9

+ sign 25.419+/-20.019 χ^2/NDF: 25.6/26

All: -2.485+/-14.050 χ^2/NDF: 59.1/55

- sign -29.572+/-19.724 χ^2/NDF: 29.7/28



Right In: 77093.125+/-20.448 χ^2/NDF: 248542.7/15

Left Out: 81461.947+/-19.617 χ^2/NDF:100597.6/10

Right Out: 76308.708+/-19.874 χ^2/NDF: 234433.2/18

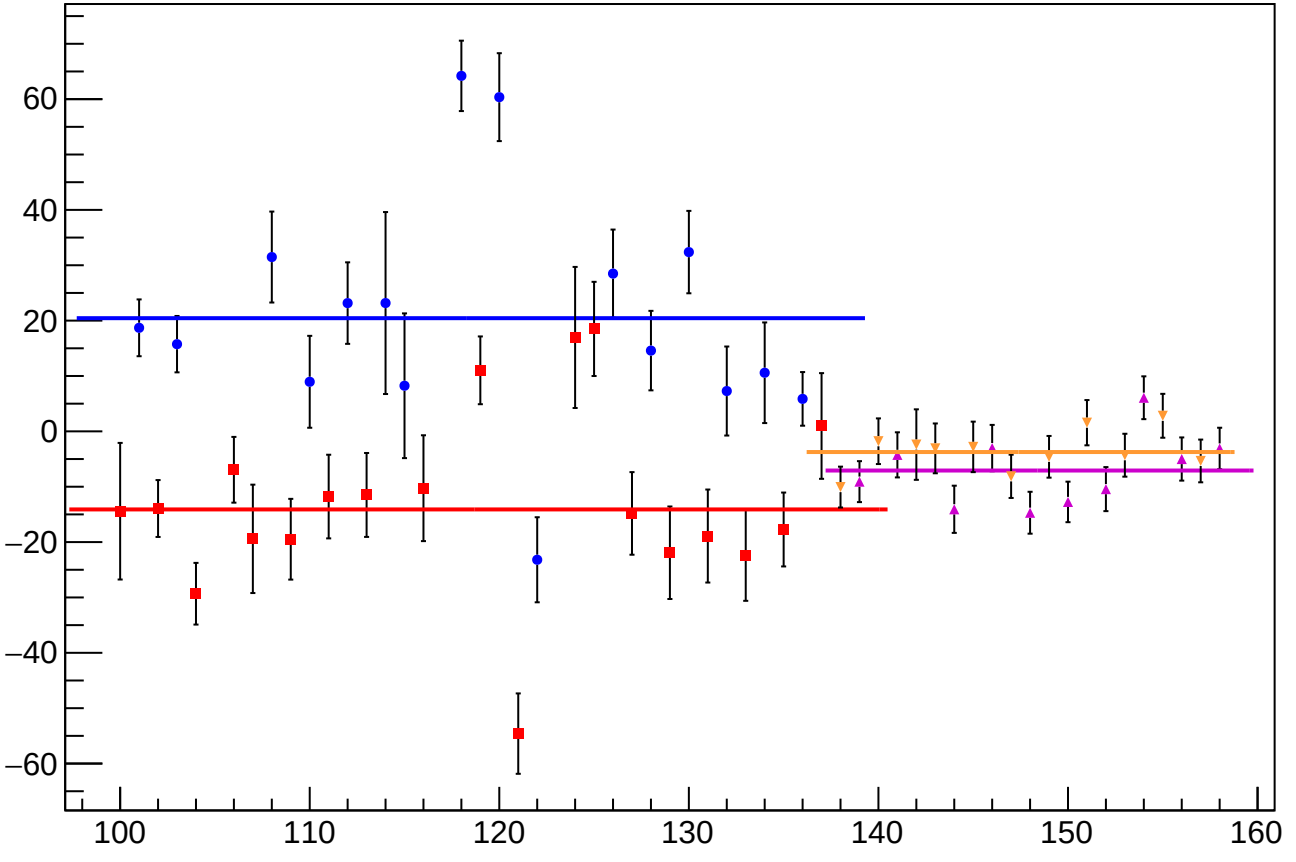
Left In: 81454.334+/-19.577 χ^2/NDF:96280.5/9

+ sign 79368.099+/-14.156 χ^2/NDF: 372911.3/26

All: 79140.794+/-9.935 χ^2/NDF: 738155.4/55

- sign 78920.151+/-13.947 χ^2/NDF: 364736.0/28

diff_bpm0r05Y_mean vs Slug



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -3.735+/-1.243 χ^2/NDF:9.2/10

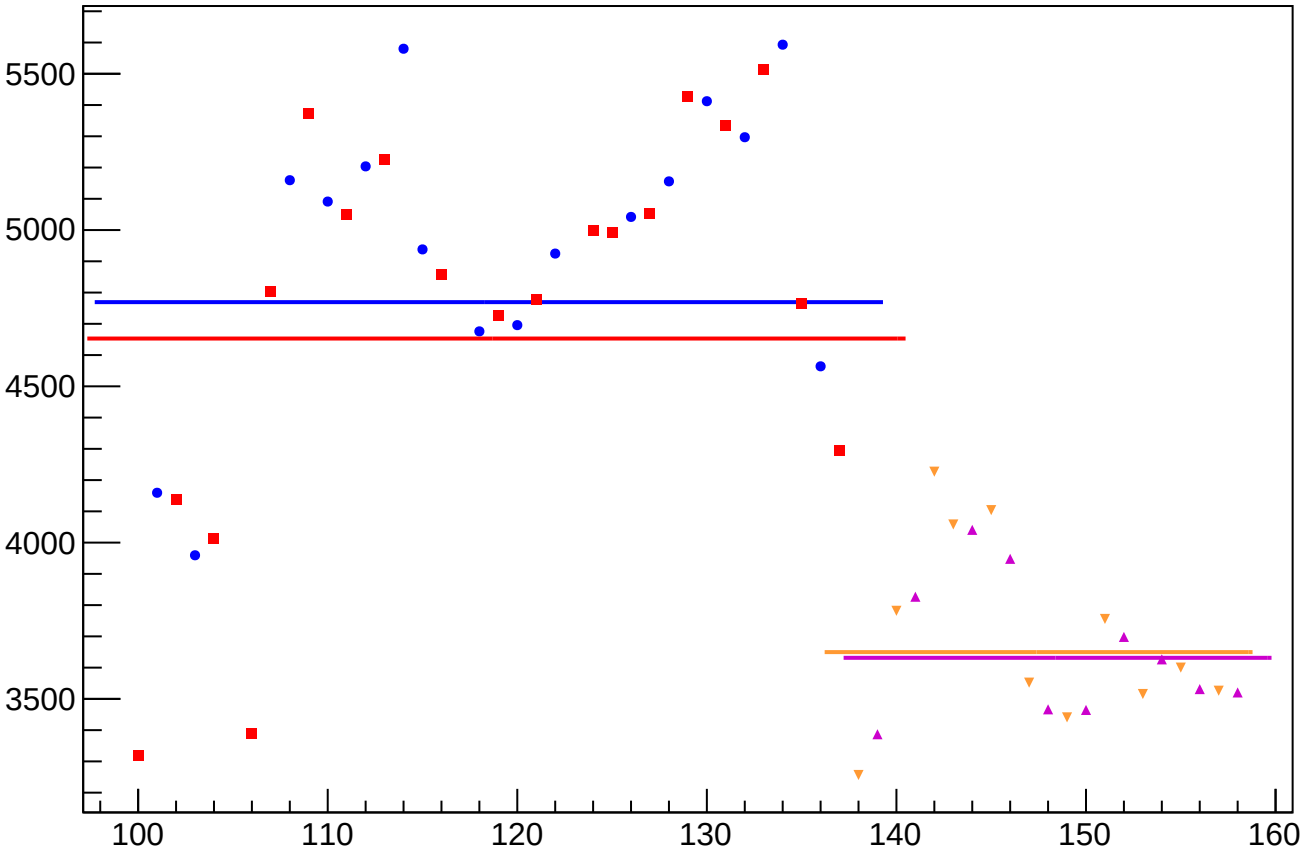
Right Out: -14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: -7.075+/-1.234 χ^2/NDF:24.6/9

+ sign 4.175+/-1.019 χ^2/NDF: 260.9/26

All: -2.771+/-0.714 χ^2/NDF: 471.5/55

- sign -9.474+/-1.001 χ^2/NDF: 119.4/28



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3649.672+/-0.879 χ^2/NDF:91017.0/10

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

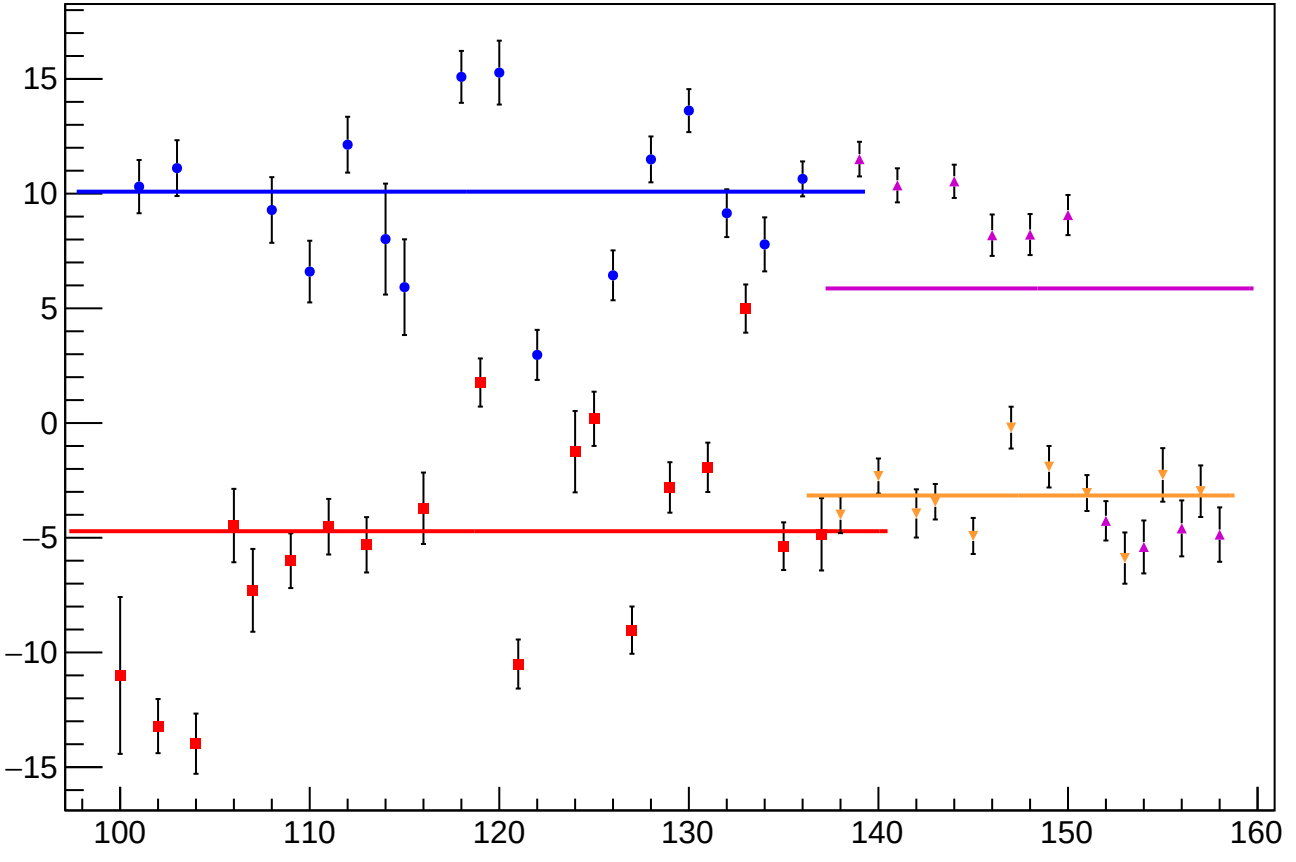
Left In: 3631.405+/-0.872 χ^2/NDF:54823.4/9

+ sign 4016.010+/-0.721 χ^2/NDF: 773997.7/26

All: 3997.768+/-0.505 χ^2/NDF: 1563285.0/55

- sign 3980.165+/-0.708 χ^2/NDF: 788028.5/28

diff_bpm2i01X_mean vs Slug



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -3.158+/-0.269 χ^2/NDF:27.1/10

Right Out: -4.715+/-0.286 χ^2/NDF: 310.2/18

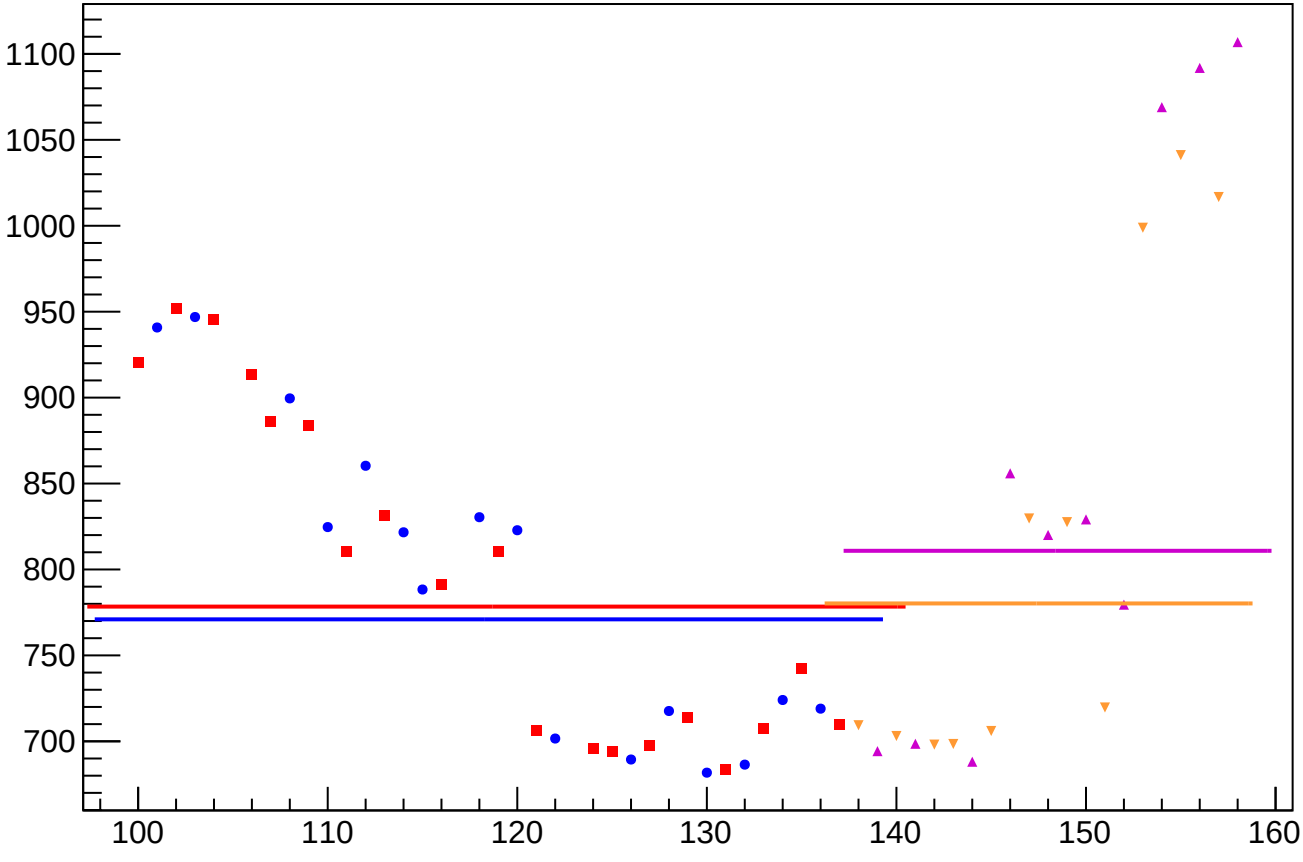
Left In: 5.867+/-0.280 χ^2/NDF:551.1/9

+ sign 3.002+/-0.197 χ^2/NDF: 1279.2/26

All: 1.862+/-0.140 χ^2/NDF: 2908.4/55

- sign 0.683+/-0.200 χ^2/NDF: 1560.8/28

diff_bpm2i01X_rms vs Slug



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 780.227+/-0.190 χ^2/NDF:376716.8/10

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

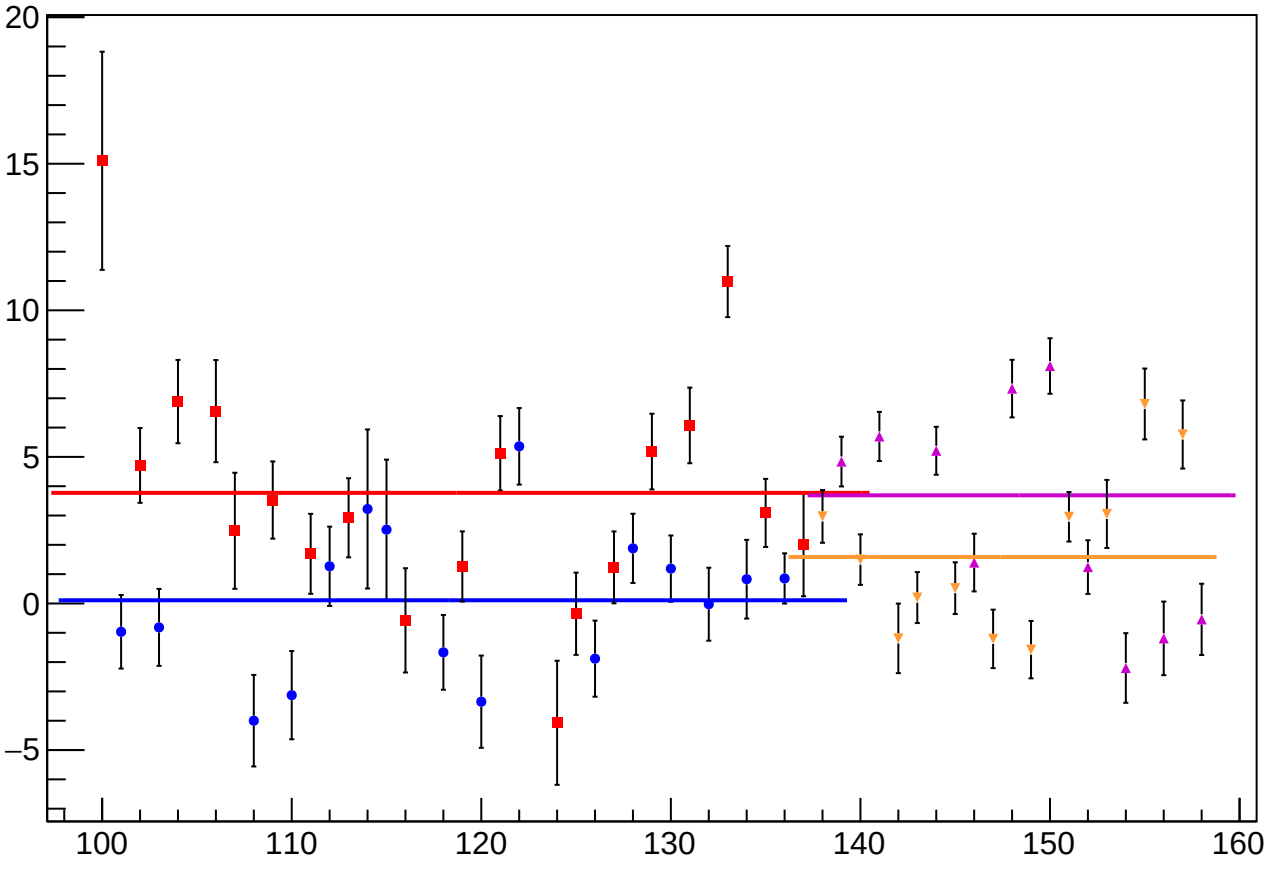
Left In: 810.859+/-0.198 χ^2/NDF:490517.1/9

+ sign 775.923+/-0.139 χ^2/NDF: 570730.2/26

All: 785.277+/-0.099 χ^2/NDF: 1280163.7/55

- sign 794.953+/-0.141 χ^2/NDF: 700228.2/28

diff_bpm2i01Y_mean vs Slug



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 1.585+/-0.295 χ^2/NDF:65.9/10

Right Out: 3.774+/-0.326 χ^2/NDF: 99.6/18

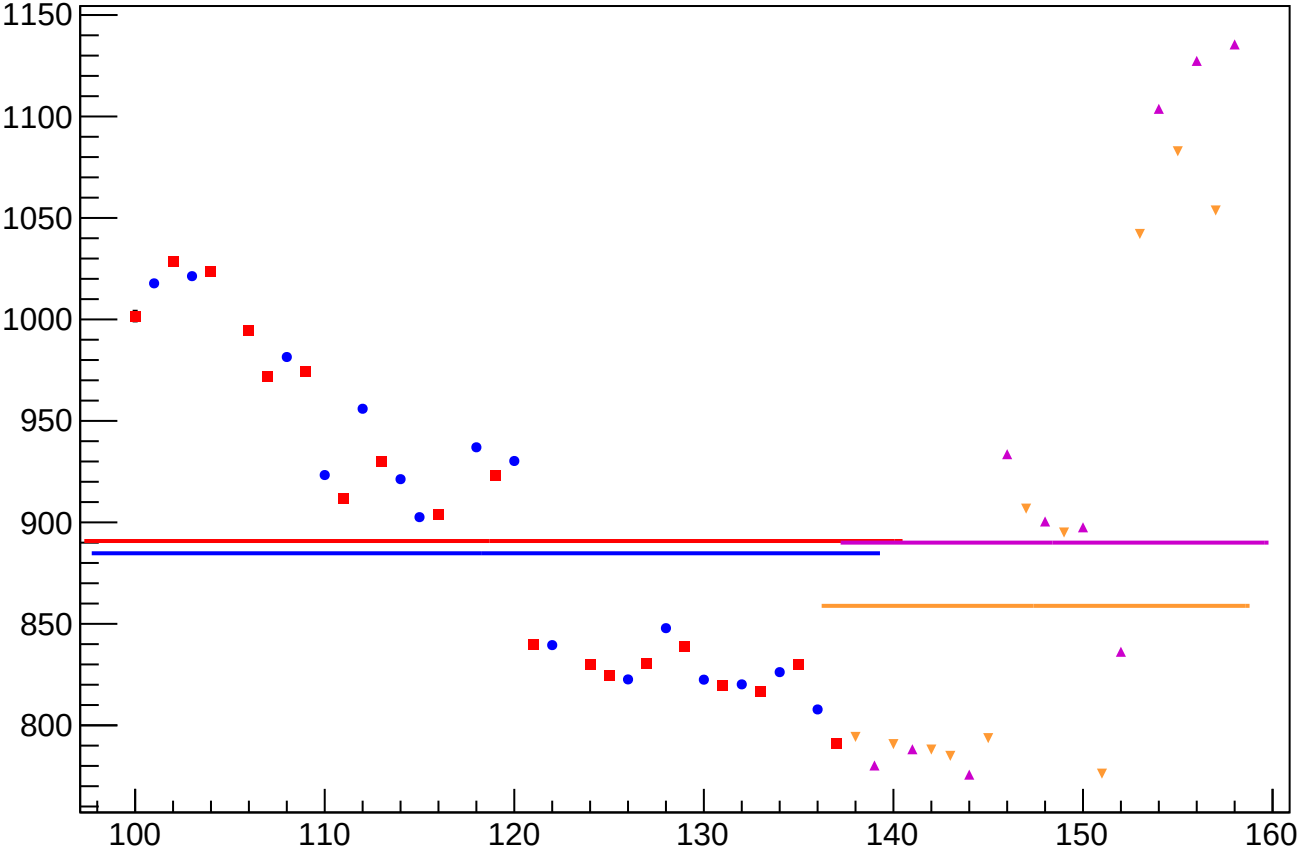
Left In: 3.689+/-0.306 χ^2/NDF:110.9/9

+ sign 0.930+/-0.220 χ^2/NDF: 122.4/26

All: 2.309+/-0.157 χ^2/NDF: 412.8/55

- sign 3.729+/-0.223 χ^2/NDF: 210.5/28

diff_bpm2i01Y_rms vs Slug



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 858.871+/-0.208 χ^2/NDF:256577.0/10

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

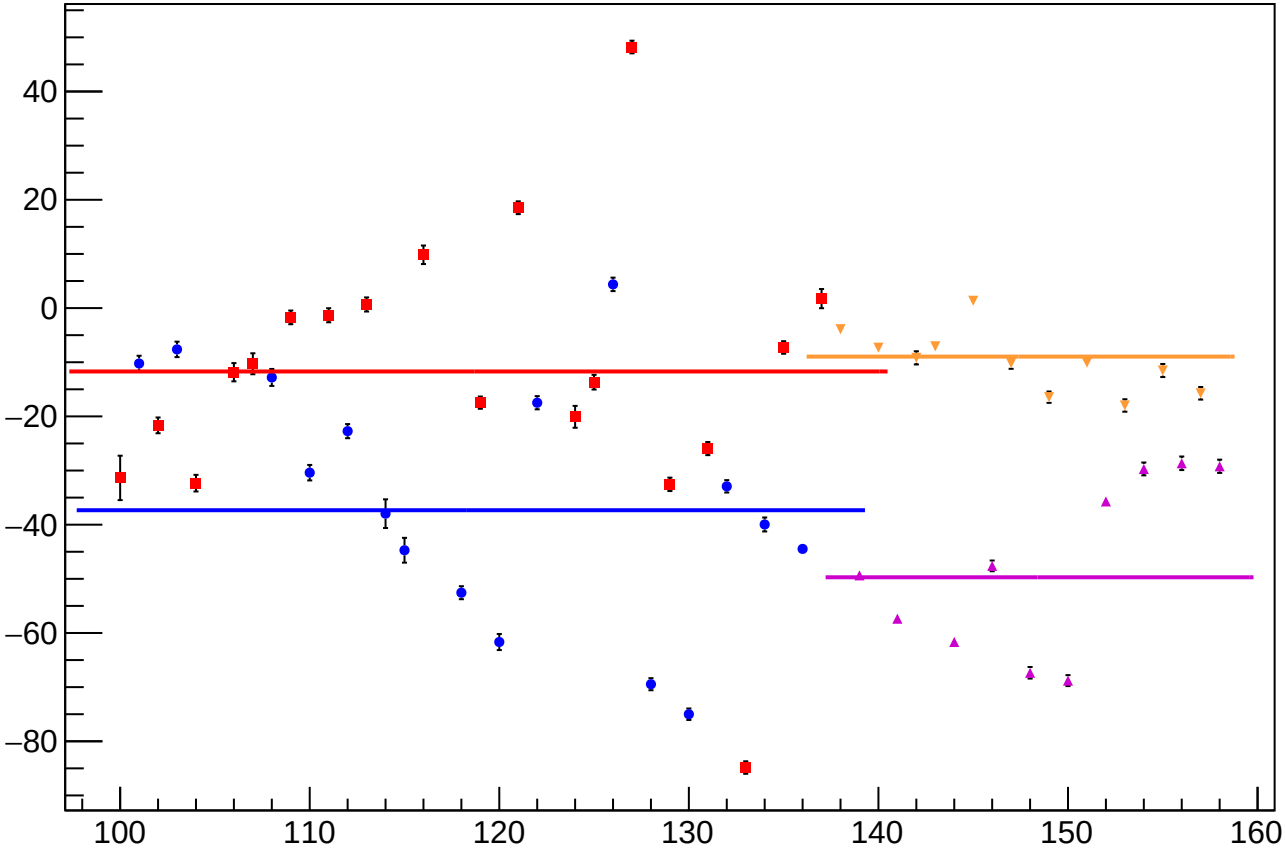
Left In: 890.021+/-0.216 χ^2/NDF:331272.1/9

+ sign 870.364+/-0.155 χ^2/NDF: 367929.9/26

All: 880.232+/-0.111 χ^2/NDF: 815158.1/55

- sign 890.393+/-0.158 χ^2/NDF: 439042.1/28

diff_bpm2i02X_mean vs Slug



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -8.960+/-0.300 χ^2/NDF:323.0/10

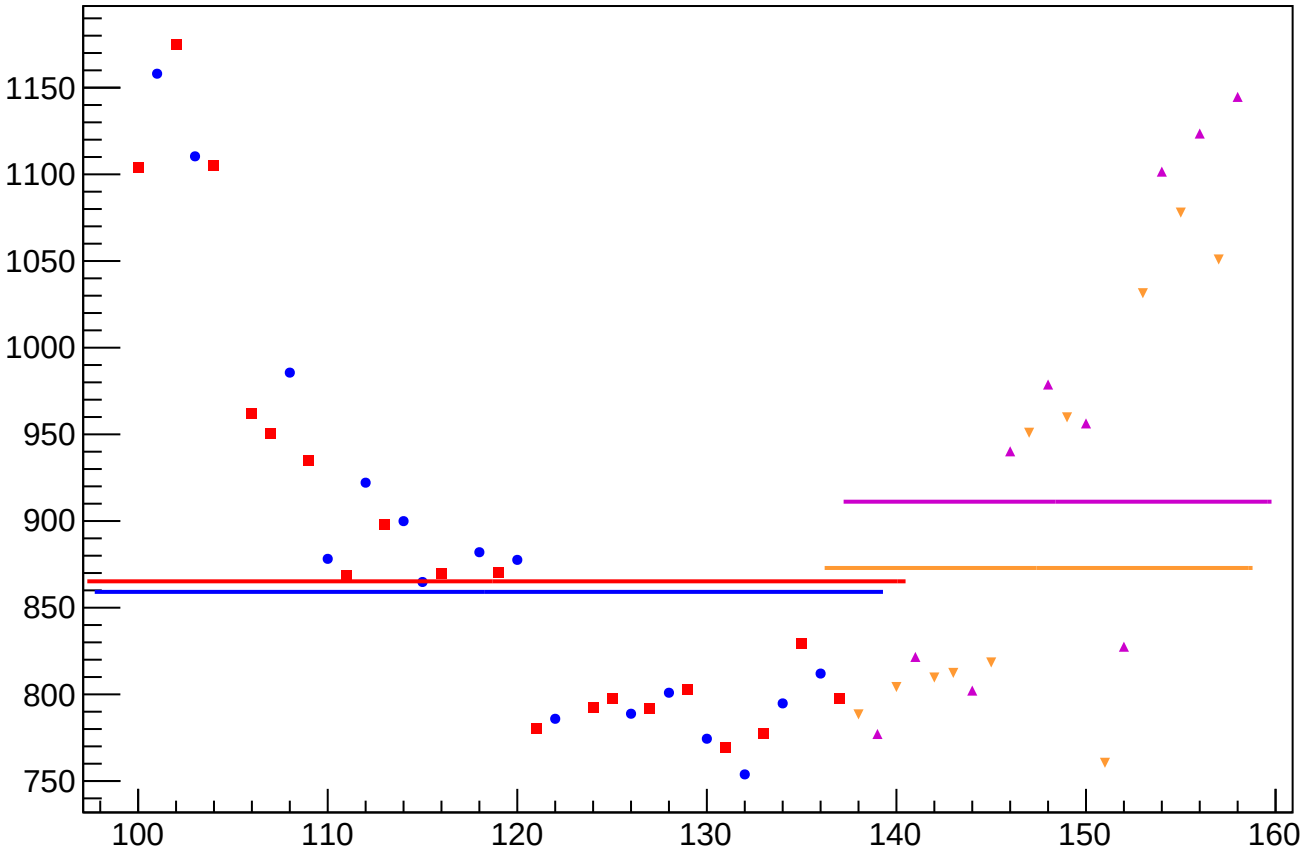
Right Out: -11.706+/-0.318 χ^2/NDF: 8463.6/18

Left In: -49.714+/-0.313 χ^2/NDF:1995.8/9

+ sign -22.132+/-0.219 χ^2/NDF: 9673.0/26

All: -26.498+/-0.156 χ^2/NDF: 28200.5/55

- sign -31.015+/-0.223 χ^2/NDF: 17720.7/28



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 872.918+/-0.212 χ^2/NDF:256367.2/10

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

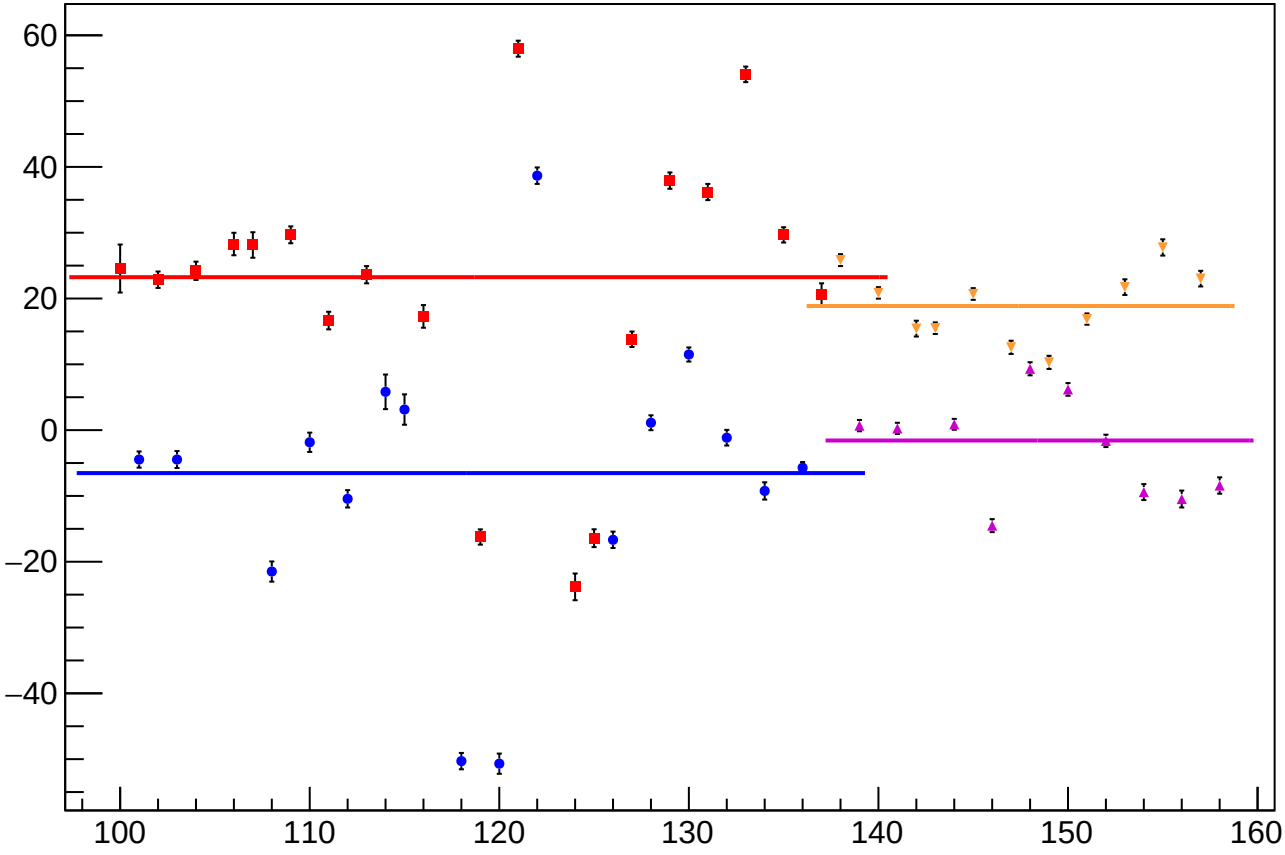
Left In: 911.151+/-0.221 χ^2/NDF:316936.2/9

+ sign 866.514+/-0.155 χ^2/NDF: 487046.0/26

All: 877.346+/-0.111 χ^2/NDF: 1058798.9/55

- sign 888.551+/-0.158 χ^2/NDF: 561820.7/28

diff_bpm2i02Y_mean vs Slug



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 18.864+/-0.299 χ^2/NDF:278.9/10

Right Out: 23.244+/-0.317 χ^2/NDF: 4470.0/18

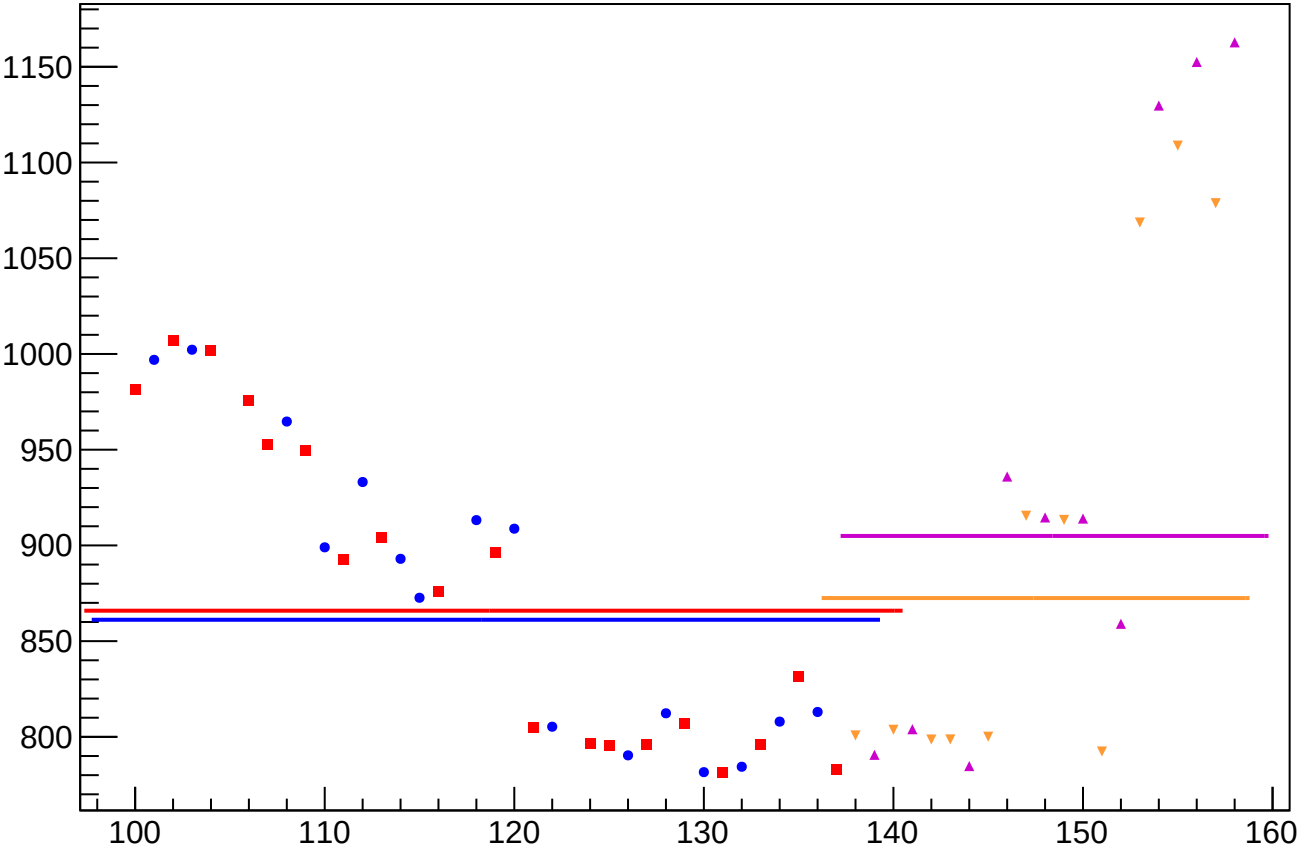
Left In: -1.578+/-0.311 χ^2/NDF:496.3/9

+ sign 7.058+/-0.219 χ^2/NDF: 7569.3/26

All: 8.799+/-0.156 χ^2/NDF: 15789.6/55

- sign 10.587+/-0.222 χ^2/NDF: 8092.2/28

diff_bpm2i02Y_rms vs Slug



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 872.505+/-0.212 χ^2/NDF:271326.5/10

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

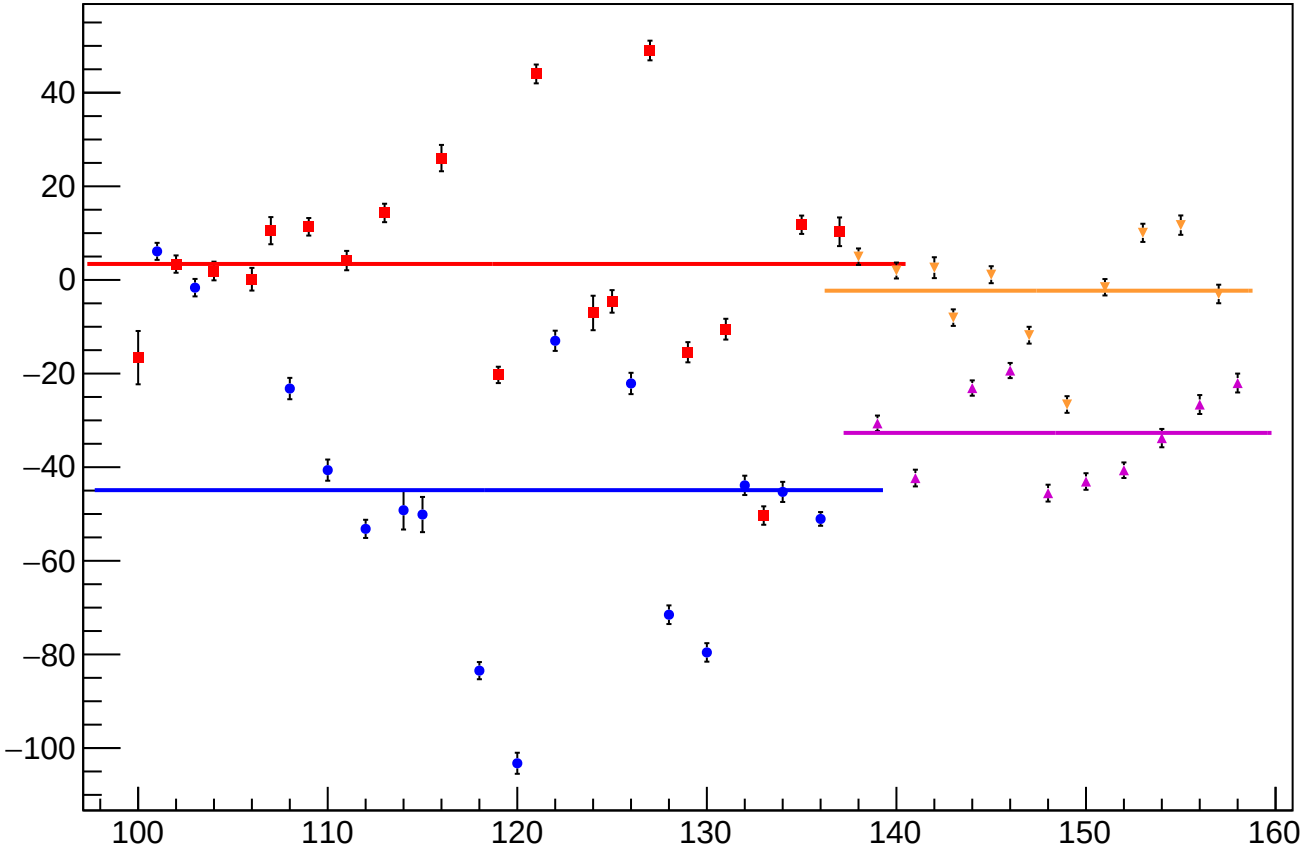
Left In: 904.952+/-0.220 χ^2/NDF:341491.4/9

+ sign 867.235+/-0.155 χ^2/NDF: 386189.2/26

All: 876.402+/-0.110 χ^2/NDF: 868671.6/55

- sign 885.817+/-0.157 χ^2/NDF: 475379.0/28

diff_bpm0i02X_mean vs Slug



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: -2.296+/-0.559 χ^2/NDF:344.3/10

Right Out: 3.416+/-0.509 χ^2/NDF: 2102.1/18

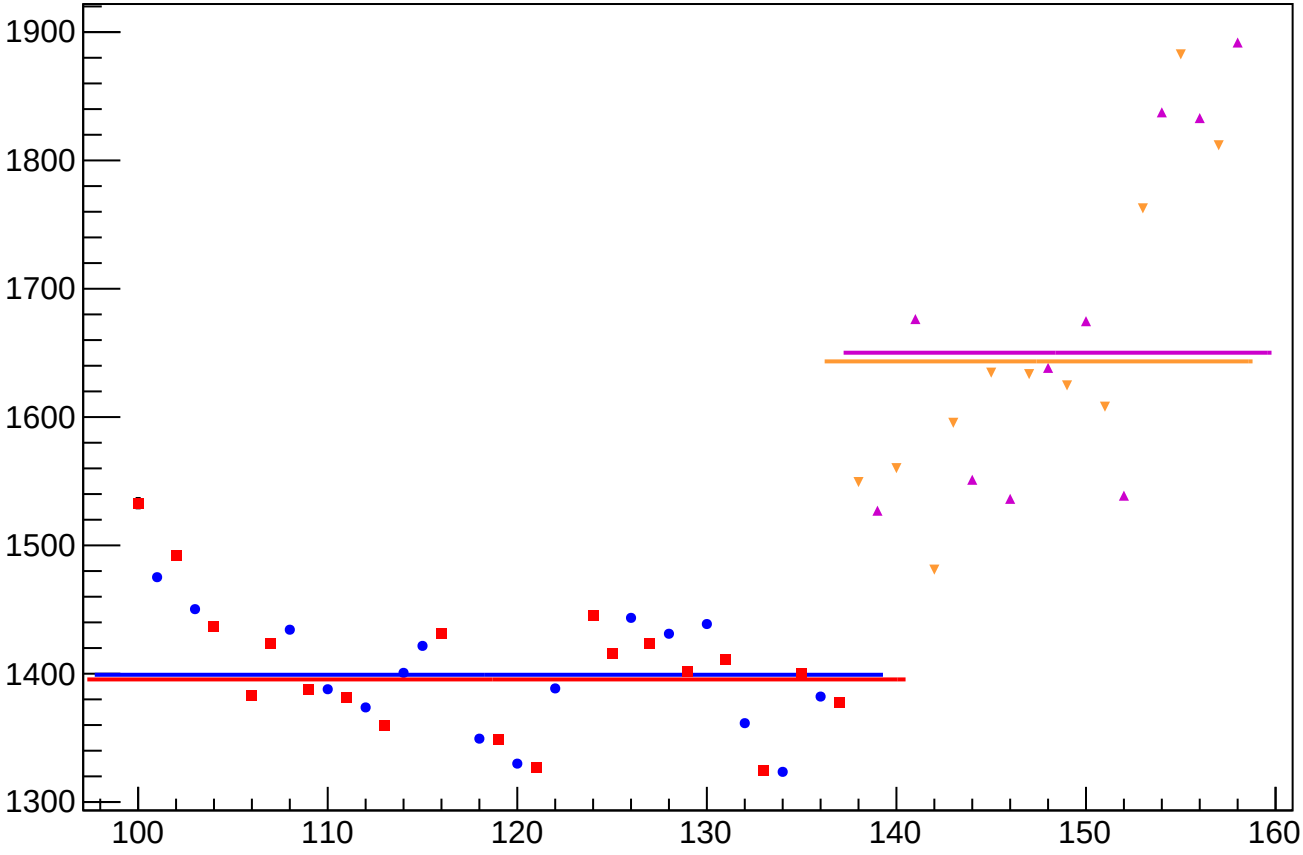
Left In: -32.674+/-0.562 χ^2/NDF:278.3/9

+ sign -25.140+/-0.381 χ^2/NDF: 6837.5/26

All: -18.947+/-0.268 χ^2/NDF: 12009.3/55

- sign -12.867+/-0.377 χ^2/NDF: 4647.2/28

diff_bpm0i02X_rms vs Slug



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1643.390+/-0.395 χ^2/NDF:72431.1/10

Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

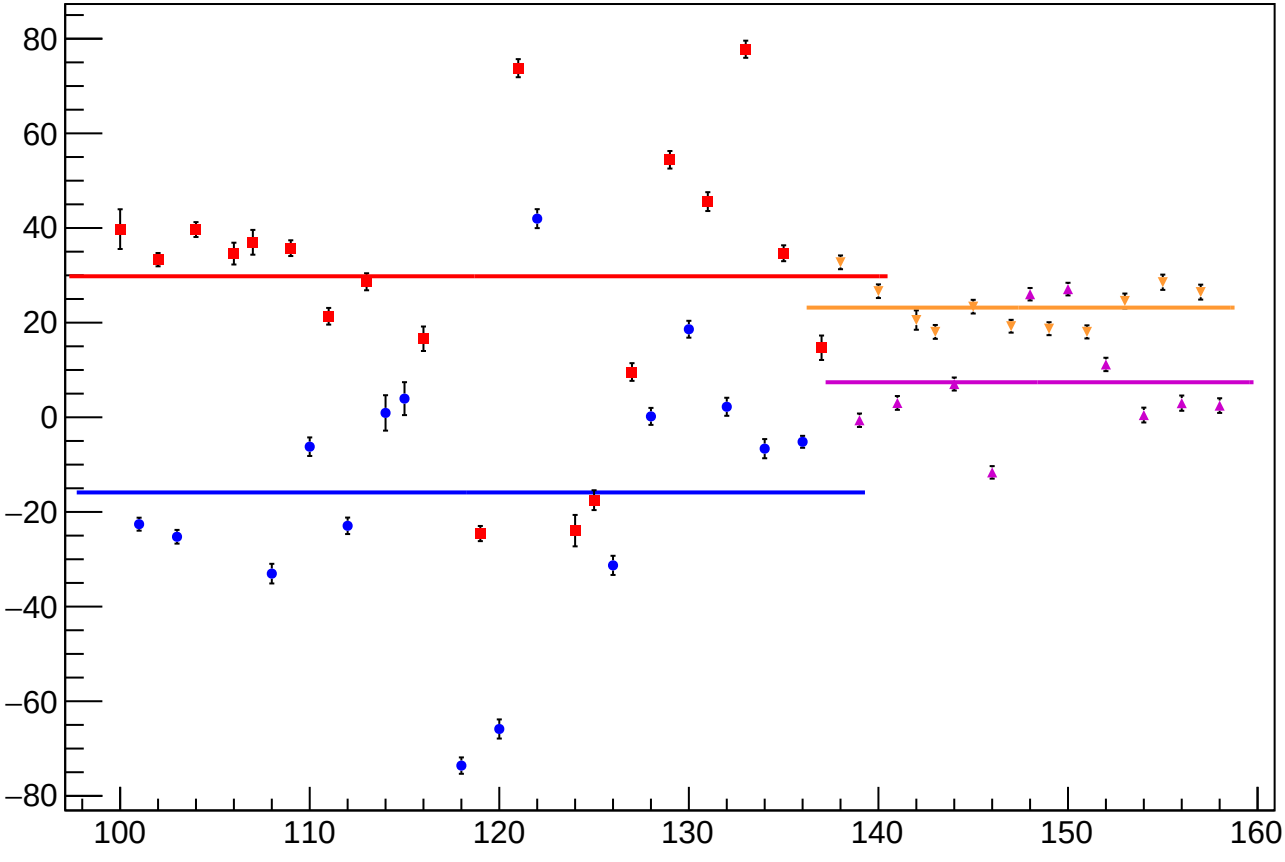
Left In: 1650.157+/-0.397 χ^2/NDF:101413.3/9

+ sign 1512.454+/-0.269 χ^2/NDF: 291983.0/26

All: 1511.428+/-0.189 χ^2/NDF: 635312.3/55

- sign 1510.420+/-0.267 χ^2/NDF: 343300.5/28

diff_bpm0i02Y_mean vs Slug



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 23.180+/-0.451 χ^2/NDF:111.8/10

Right Out: 29.801+/-0.444 χ^2/NDF: 3681.2/18

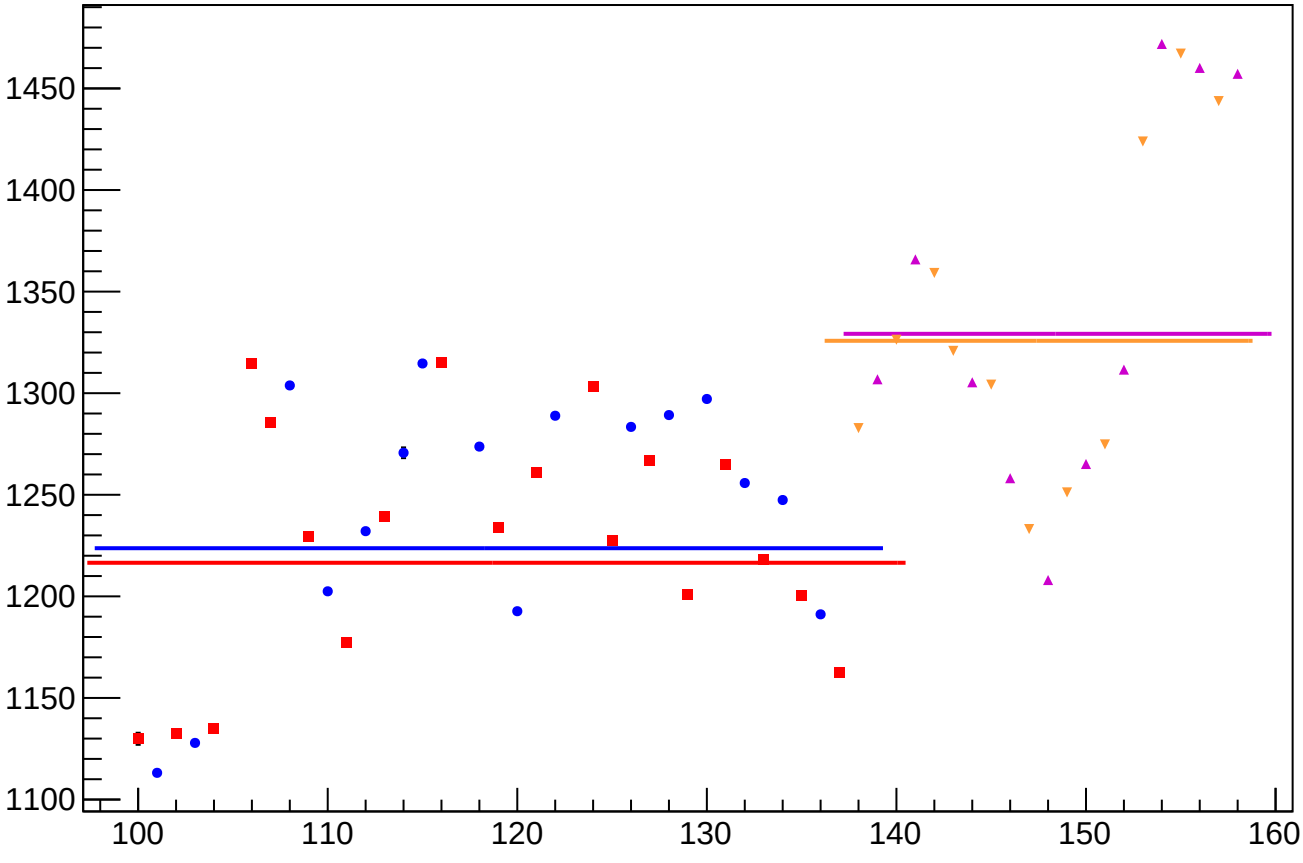
Left In: 7.406+/-0.452 χ^2/NDF:708.4/9

\+ sign 3.848+/-0.320 χ^2/NDF: 7307.2/26

All: 11.399+/-0.225 χ^2/NDF: 14045.9/55

\- sign 18.782+/-0.317 χ^2/NDF: 5639.3/28

diff_bpm0i02Y_rms vs Slug



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1325.790+/-0.319 χ^2/NDF:55065.4/10

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

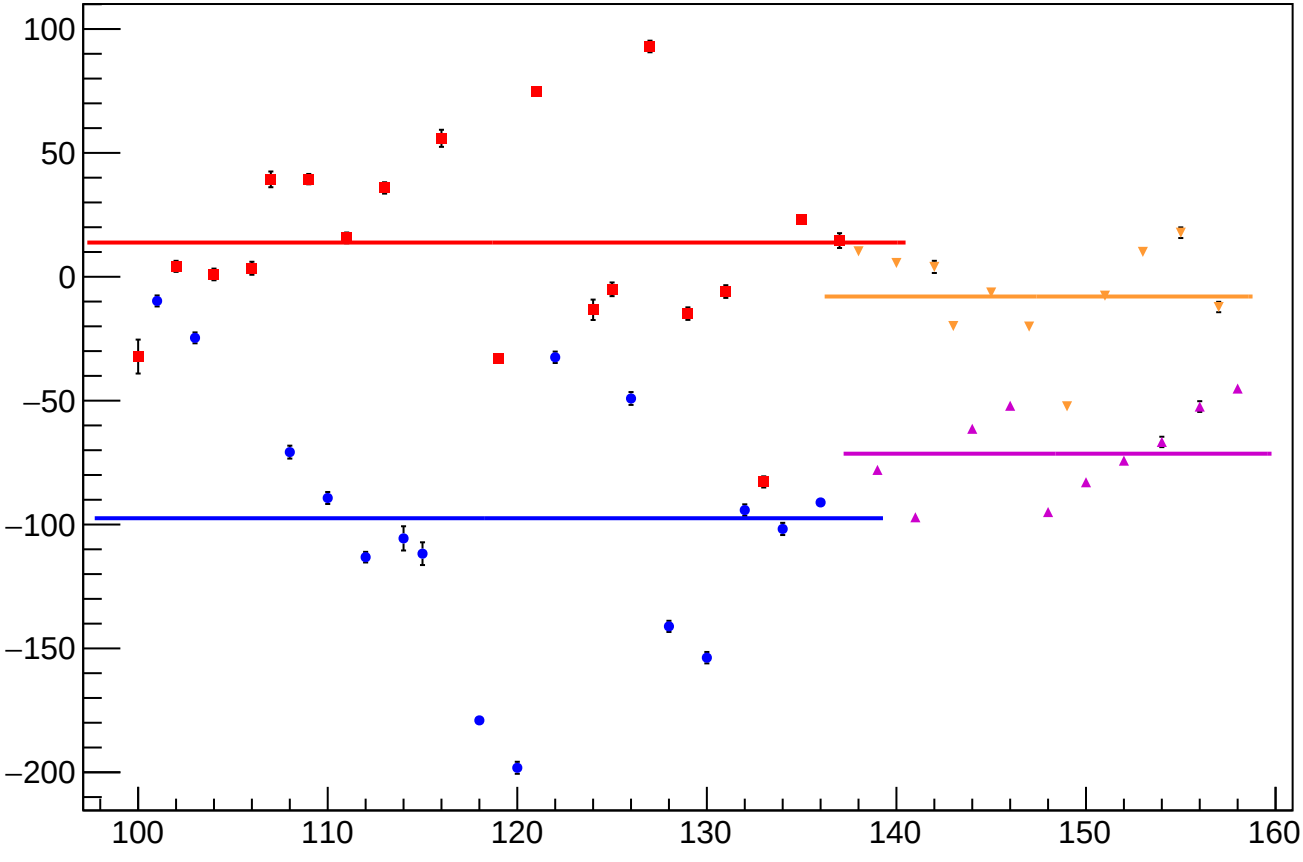
Left In: 1329.222+/-0.319 χ^2/NDF:73262.1/9

+ sign 1275.260+/-0.226 χ^2/NDF: 146743.6/26

All: 1273.600+/-0.159 χ^2/NDF: 312778.6/55

- sign 1271.978+/-0.224 χ^2/NDF: 165928.7/28

diff_bpm0i02aX_mean vs Slug



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -7.964+/-0.575 χ^2/NDF:1114.0/10

Right Out: 13.816+/-0.566 χ^2/NDF: 5352.2/18

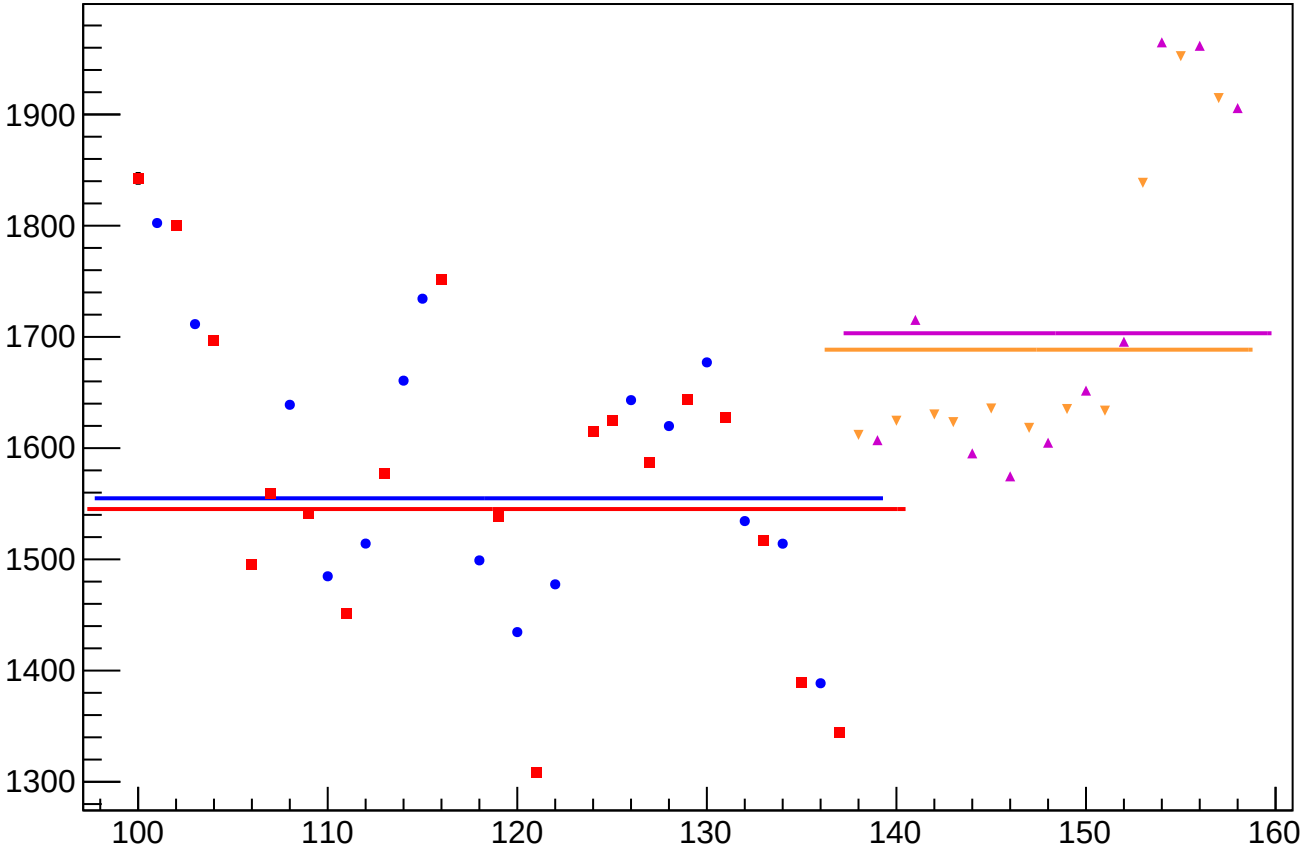
Left In: -71.406+/-0.579 χ^2/NDF:858.8/9

+ sign -52.344+/-0.408 χ^2/NDF: 21439.1/26

All: -39.959+/-0.287 χ^2/NDF: 40554.4/55

- sign -27.773+/-0.405 χ^2/NDF: 17287.6/28

diff_bpm0i02aX_rms vs Slug



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1688.519+/-0.406 χ^2/NDF:82823.6/10

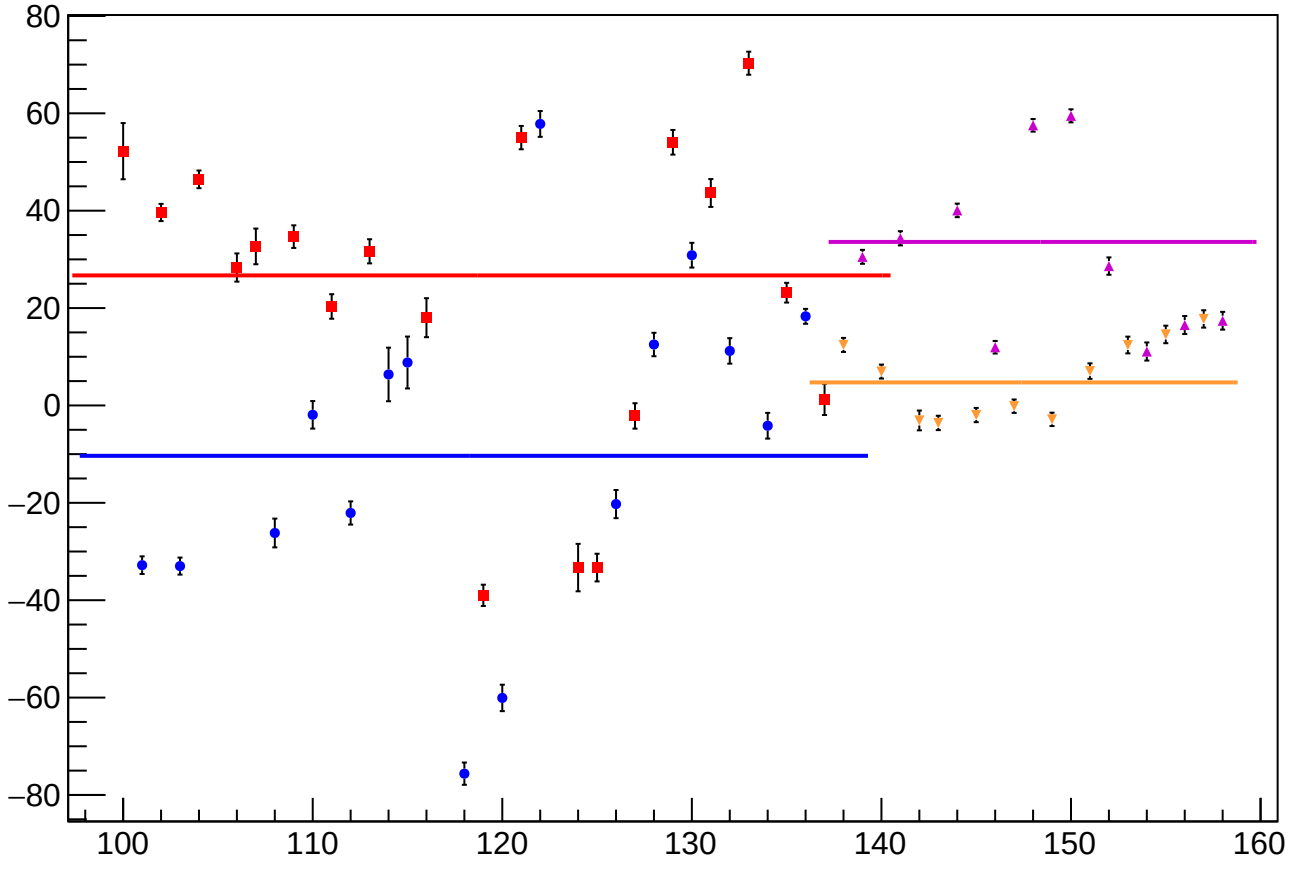
Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

Left In: 1703.292+/-0.410 χ^2/NDF:114014.2/9

+ sign 1622.259+/-0.289 χ^2/NDF: 224351.0/26

All: 1622.315+/-0.203 χ^2/NDF: 523351.3/55

- sign 1622.370+/-0.286 χ^2/NDF: 299000.2/28



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 4.731+/-0.469 χ^2/NDF:246.9/10

Right Out: 26.709+/-0.586 χ^2/NDF: 2540.7/18

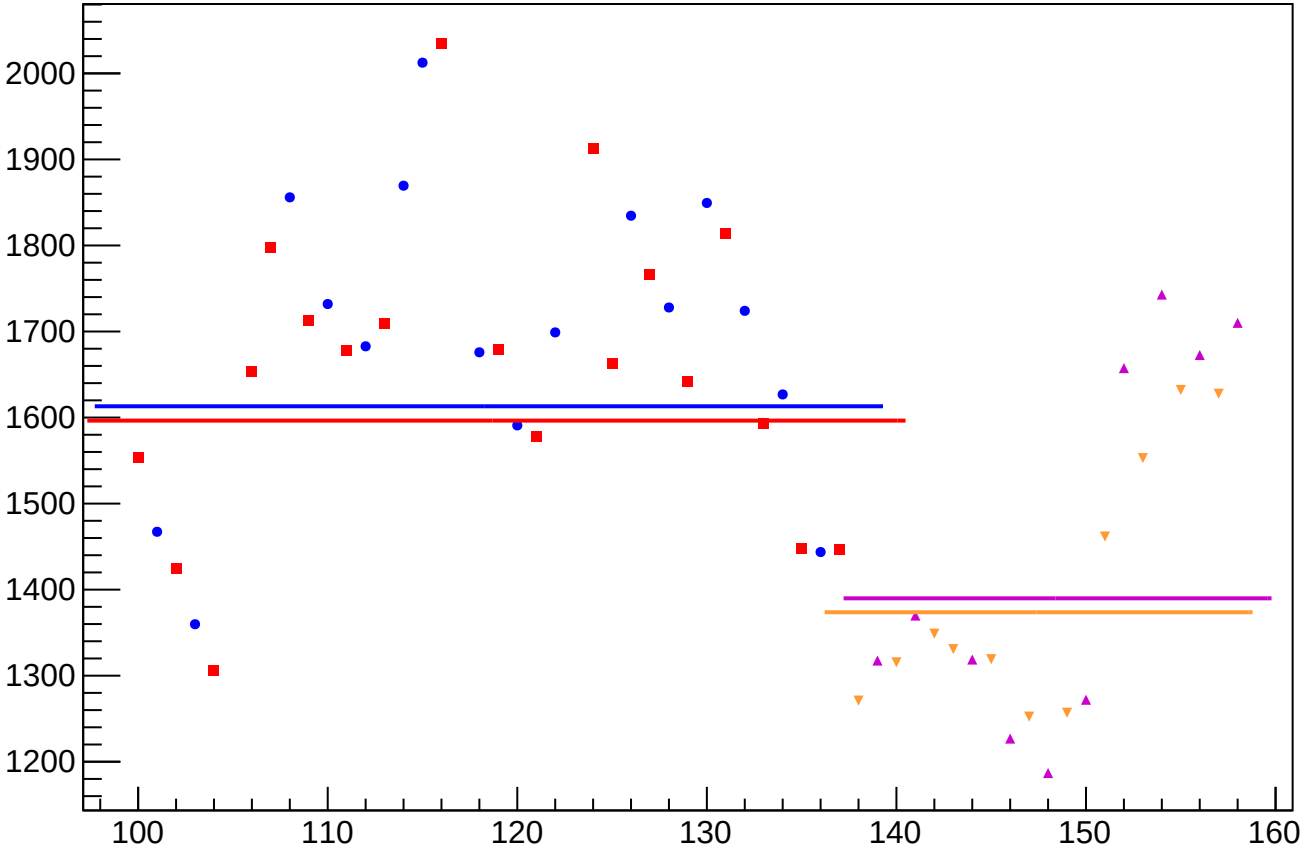
Left In: 33.586+/-0.476 χ^2/NDF:1336.2/9

+ sign -0.951+/-0.370 χ^2/NDF: 3643.2/26

All: 14.981+/-0.262 χ^2/NDF: 11298.9/55

- sign 30.854+/-0.370 χ^2/NDF: 3959.8/28

diff_bpm0i02aY_rms vs Slug



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1373.727+/-0.332 χ^2/NDF:157614.6/10

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

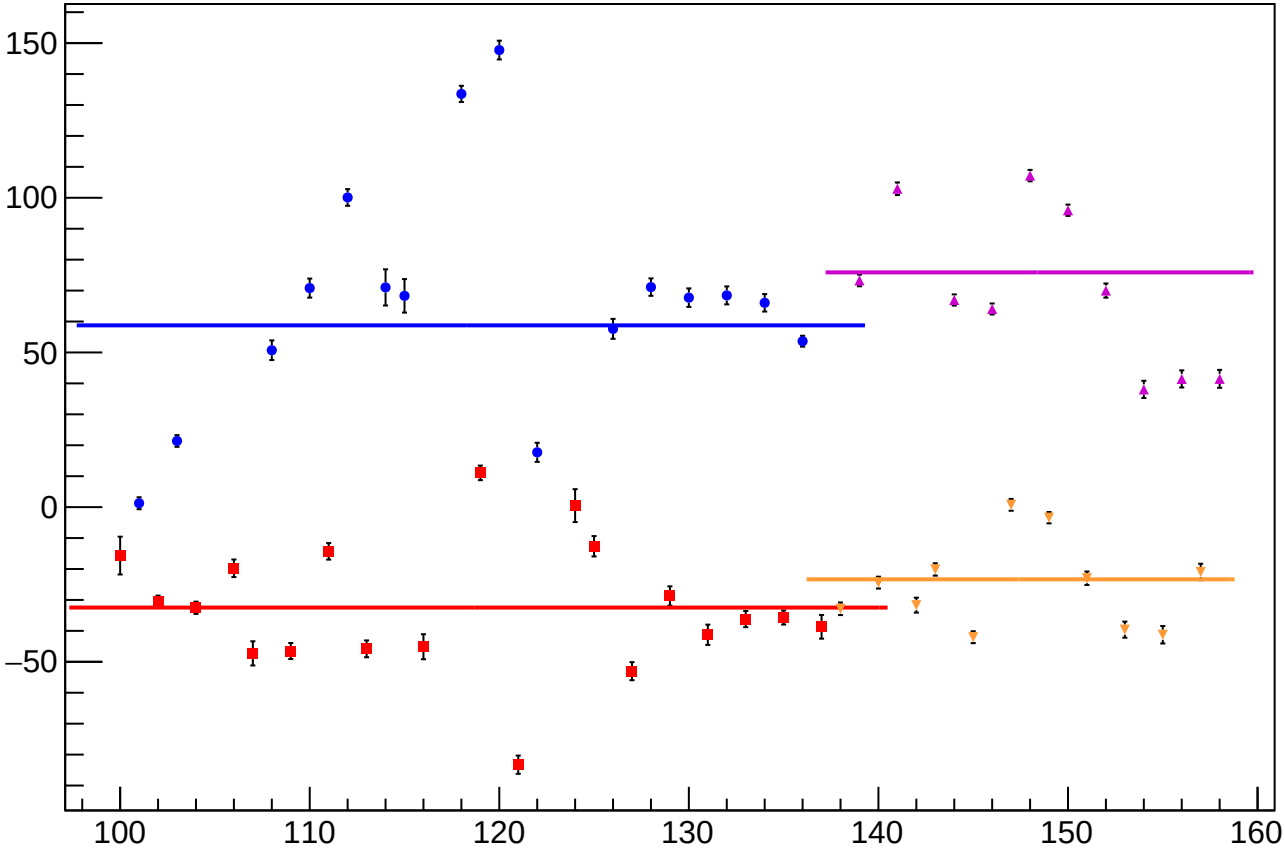
Left In: 1389.894+/-0.337 χ^2/NDF:332036.0/9

+ sign 1463.938+/-0.262 χ^2/NDF: 508618.3/26

All: 1467.953+/-0.185 χ^2/NDF: 1151412.5/55

- sign 1471.953+/-0.261 χ^2/NDF: 642324.8/28

diff_bpm0i05X_mean vs Slug



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -23.337+/-0.645 χ^2/NDF:488.2/10

Right Out: -32.467+/-0.648 χ^2/NDF: 930.8/18

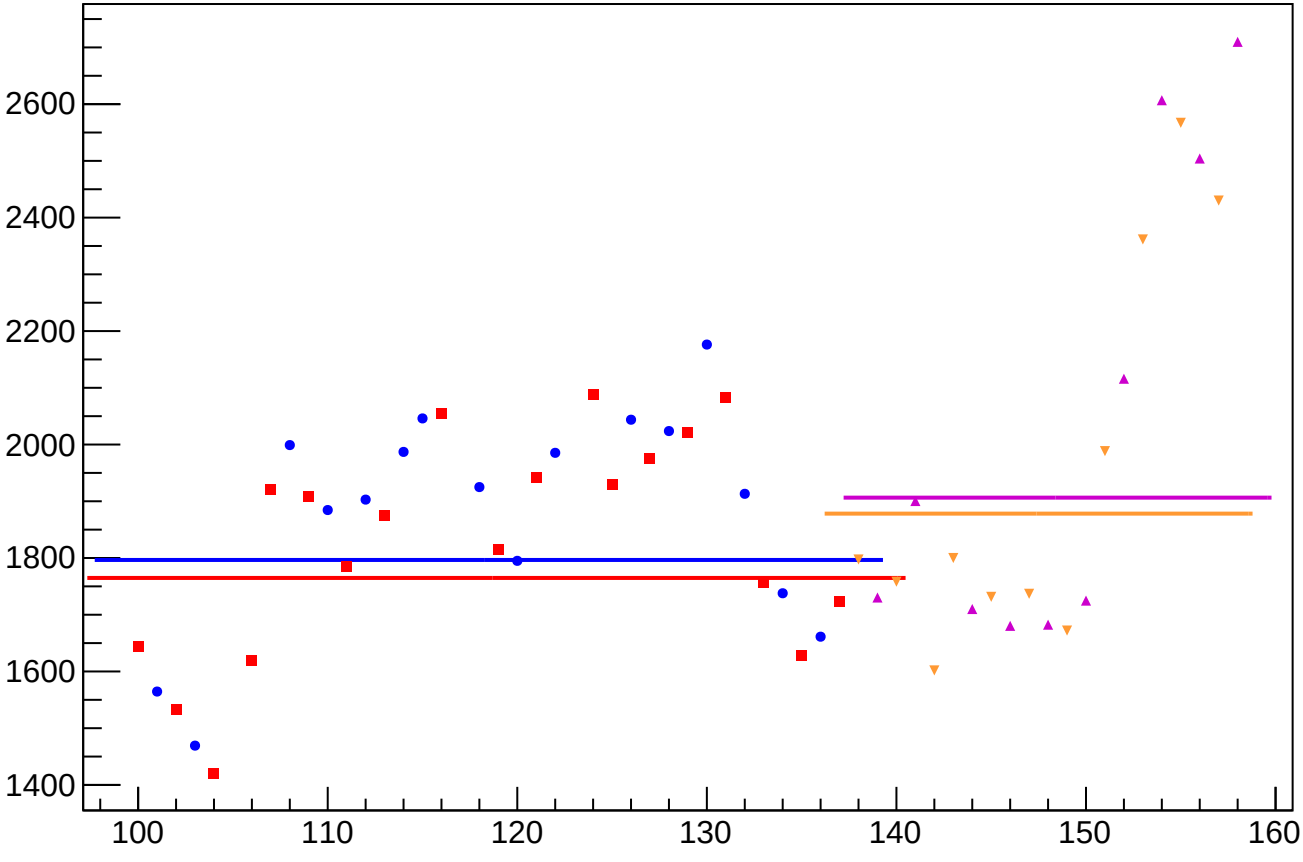
Left In: 75.884+/-0.657 χ^2/NDF:1145.2/9

+ sign 16.014+/-0.466 χ^2/NDF: 11692.5/26

All: 18.522+/-0.328 χ^2/NDF: 27600.3/55

- sign 20.986+/-0.462 χ^2/NDF: 15850.2/28

diff_bpm0i05X_rms vs Slug



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 1878.223+/-0.456 χ^2/NDF:367049.8/10

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

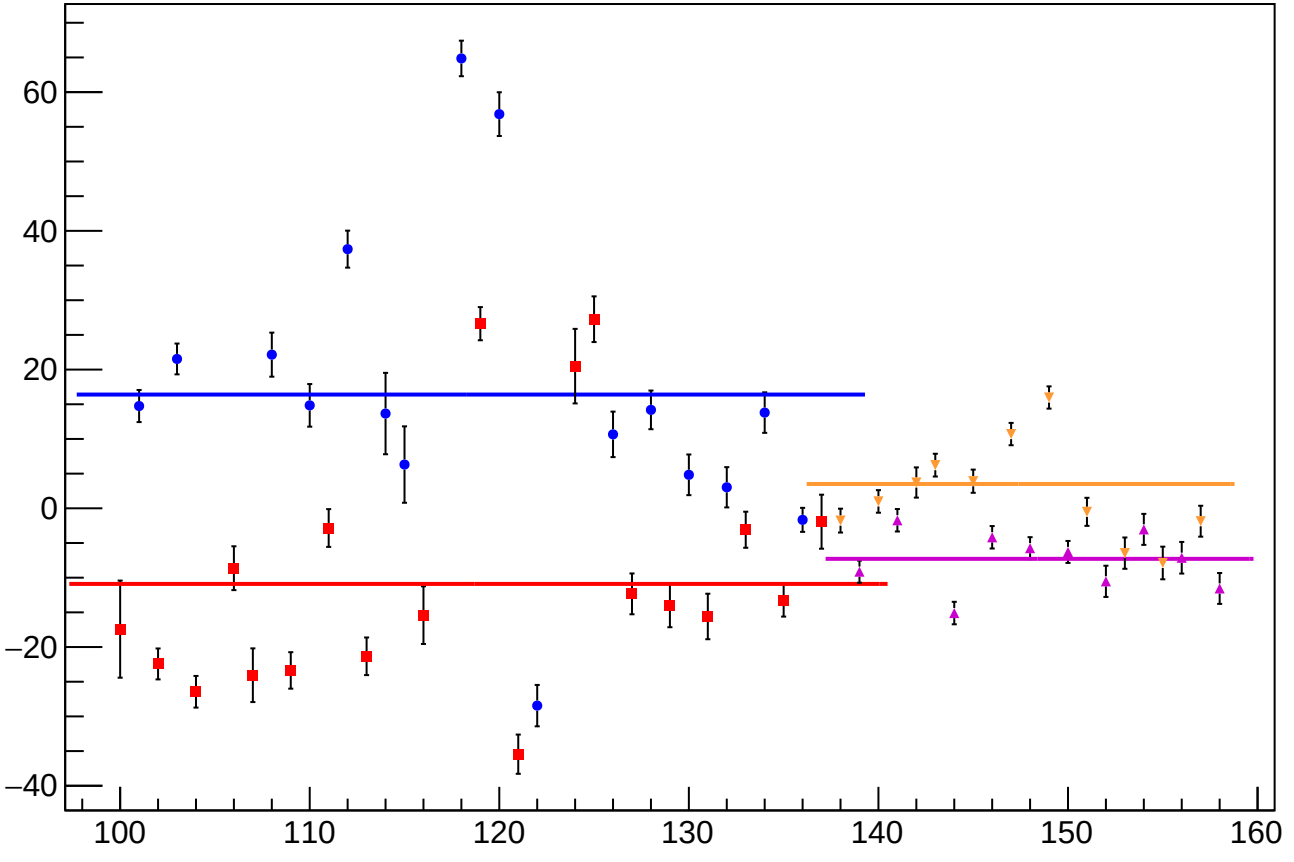
Left In: 1906.399+/-0.465 χ^2/NDF:513205.7/9

+ sign 1839.078+/-0.329 χ^2/NDF: 575581.6/26

All: 1836.863+/-0.232 χ^2/NDF: 1325873.9/55

- sign 1834.686+/-0.326 χ^2/NDF: 750202.6/28

diff_bpm0i05Y_mean vs Slug



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: 3.508+/-0.554 χ^2/NDF:147.6/10

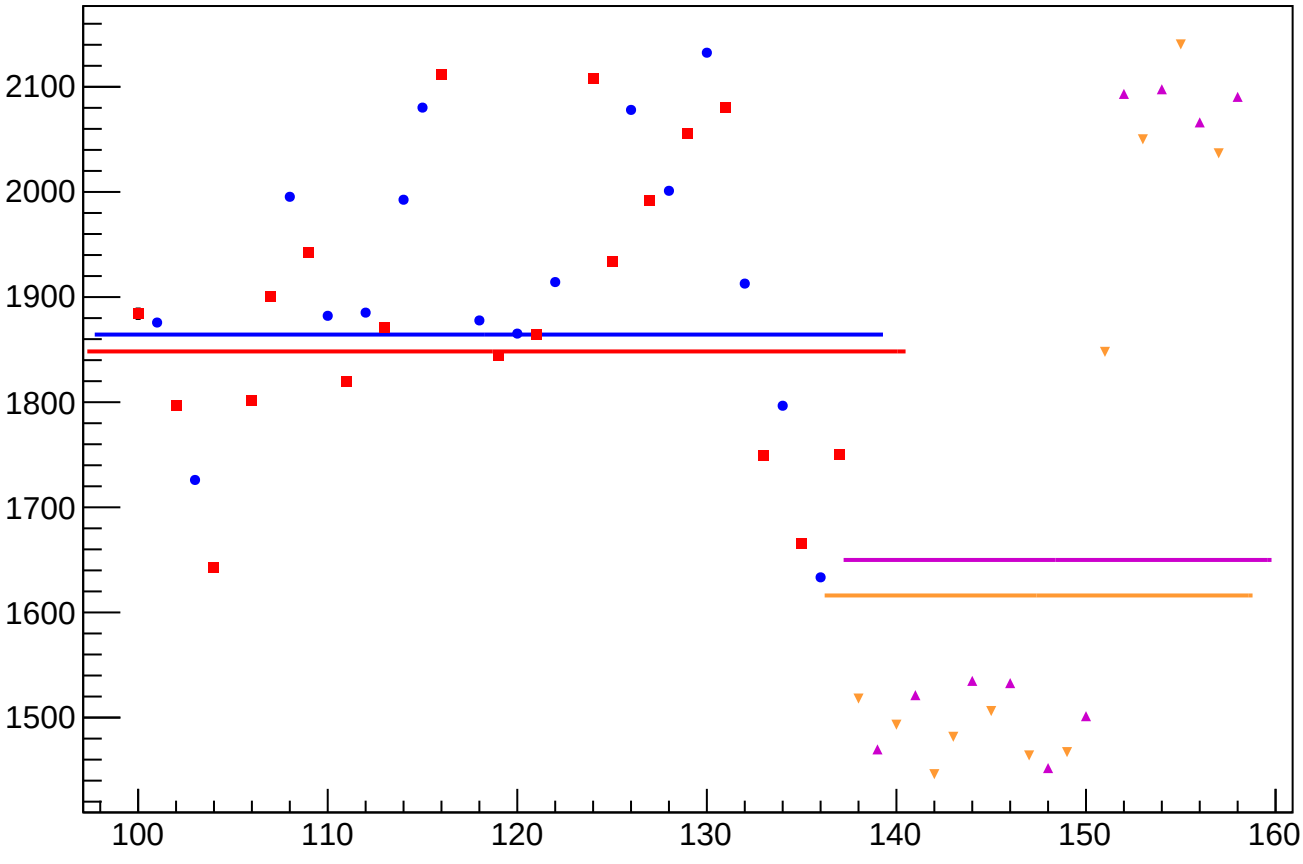
Right Out: -10.899+/-0.676 χ^2/NDF: 641.7/18

Left In: -7.285+/-0.566 χ^2/NDF:50.8/9

\+ sign 8.523+/-0.433 χ^2/NDF: 1330.8/26

All: -0.115+/-0.307 χ^2/NDF: 2835.4/55

\- sign -8.773+/-0.434 χ^2/NDF: 709.3/28



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1616.151+/-0.392 χ^2/NDF:357978.7/10

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

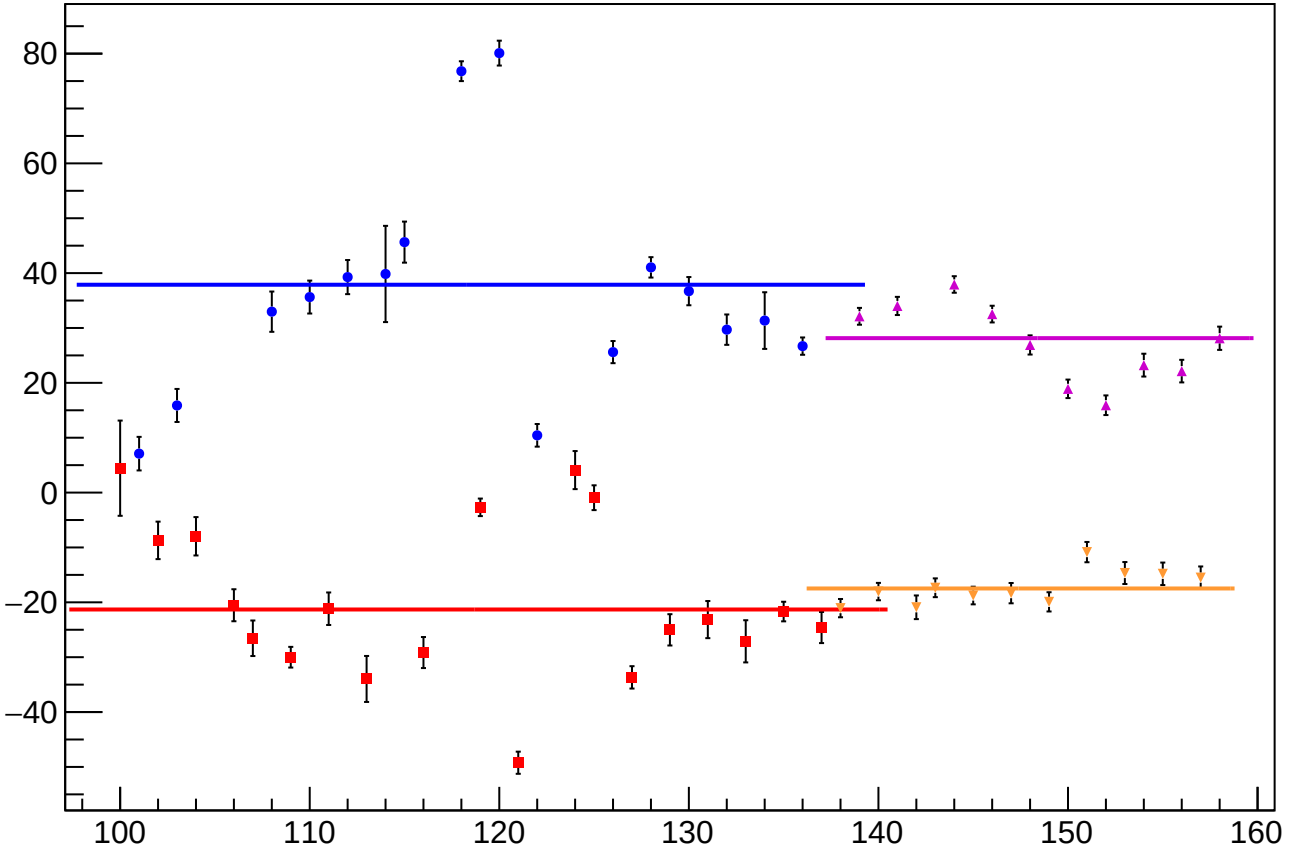
Left In: 1649.943+/-0.400 χ^2/NDF:410250.7/9

+ sign 1712.689+/-0.306 χ^2/NDF: 597138.0/26

All: 1722.140+/-0.217 χ^2/NDF: 1185449.8/55

- sign 1731.614+/-0.307 χ^2/NDF: 586407.6/28

diff_bpm0i07X_mean vs Slug



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -17.476+/-0.547 χ^2/NDF:27.5/10

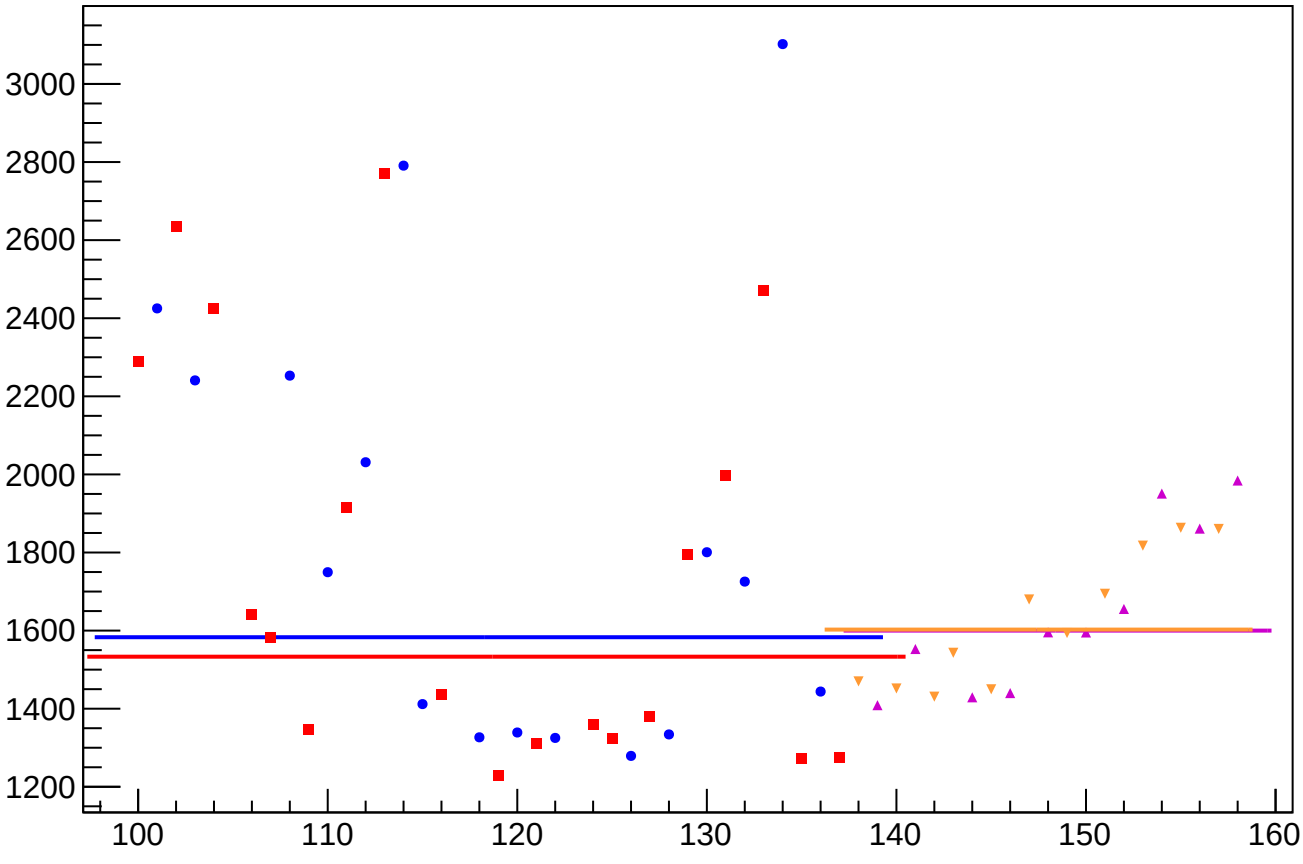
Right Out: -21.306+/-0.593 χ^2/NDF: 582.6/18

Left In: 28.147+/-0.547 χ^2/NDF:160.9/9

\+ sign 6.661+/-0.411 χ^2/NDF: 5739.0/26

All: 6.022+/-0.287 χ^2/NDF: 10245.3/55

\- sign 5.411+/-0.402 χ^2/NDF: 4501.6/28



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1602.589+/-0.387 χ^2/NDF:159814.2/10

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

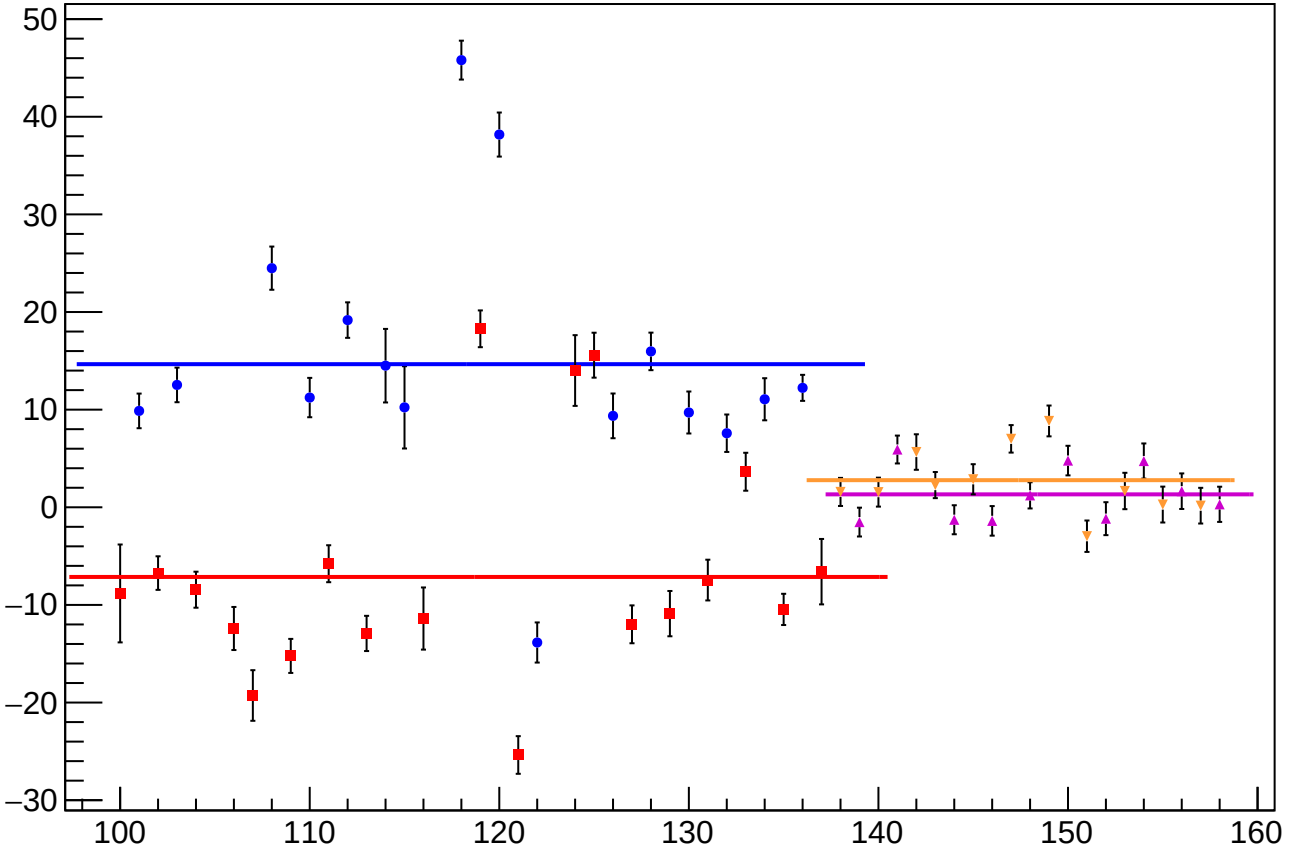
Left In: 1599.978+/-0.387 χ^2/NDF:237326.2/9

+ sign 1594.069+/-0.291 χ^2/NDF: 948598.4/26

All: 1581.399+/-0.203 χ^2/NDF: 2154132.0/55

- sign 1569.272+/-0.284 χ^2/NDF: 1201812.7/28

diff_bpm0i07Y_mean vs Slug



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 2.777+/-0.477 χ^2/NDF:44.8/10

Right Out: -7.135+/-0.483 χ^2/NDF: 509.4/18

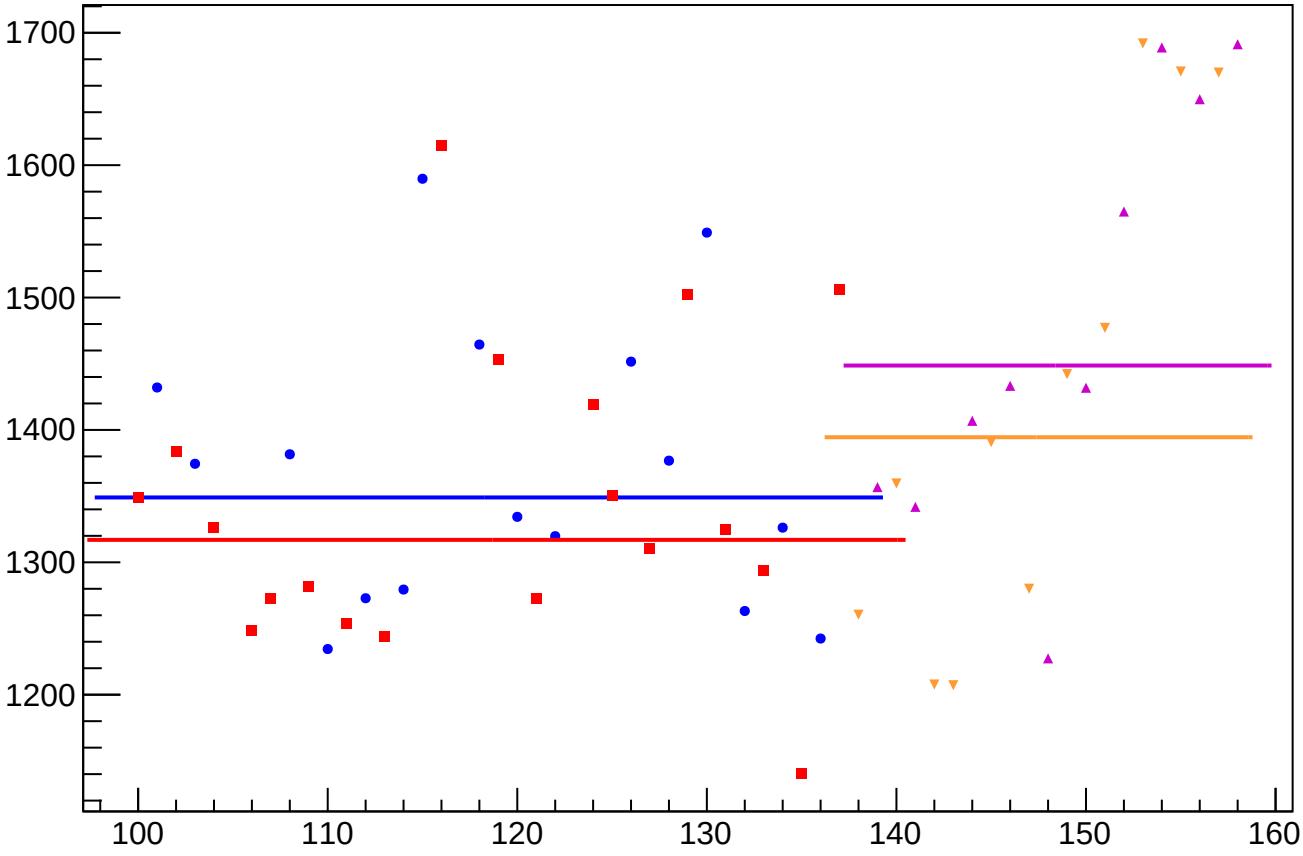
Left In: 1.324+/-0.494 χ^2/NDF:31.7/9

+ sign 8.386+/-0.347 χ^2/NDF: 952.4/26

All: 2.673+/-0.245 χ^2/NDF: 2184.6/55

- sign -2.998+/-0.345 χ^2/NDF: 691.0/28

diff_bpm0i07Y_rms vs Slug



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1394.483+/-0.337 χ^2/NDF:240709.7/10

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

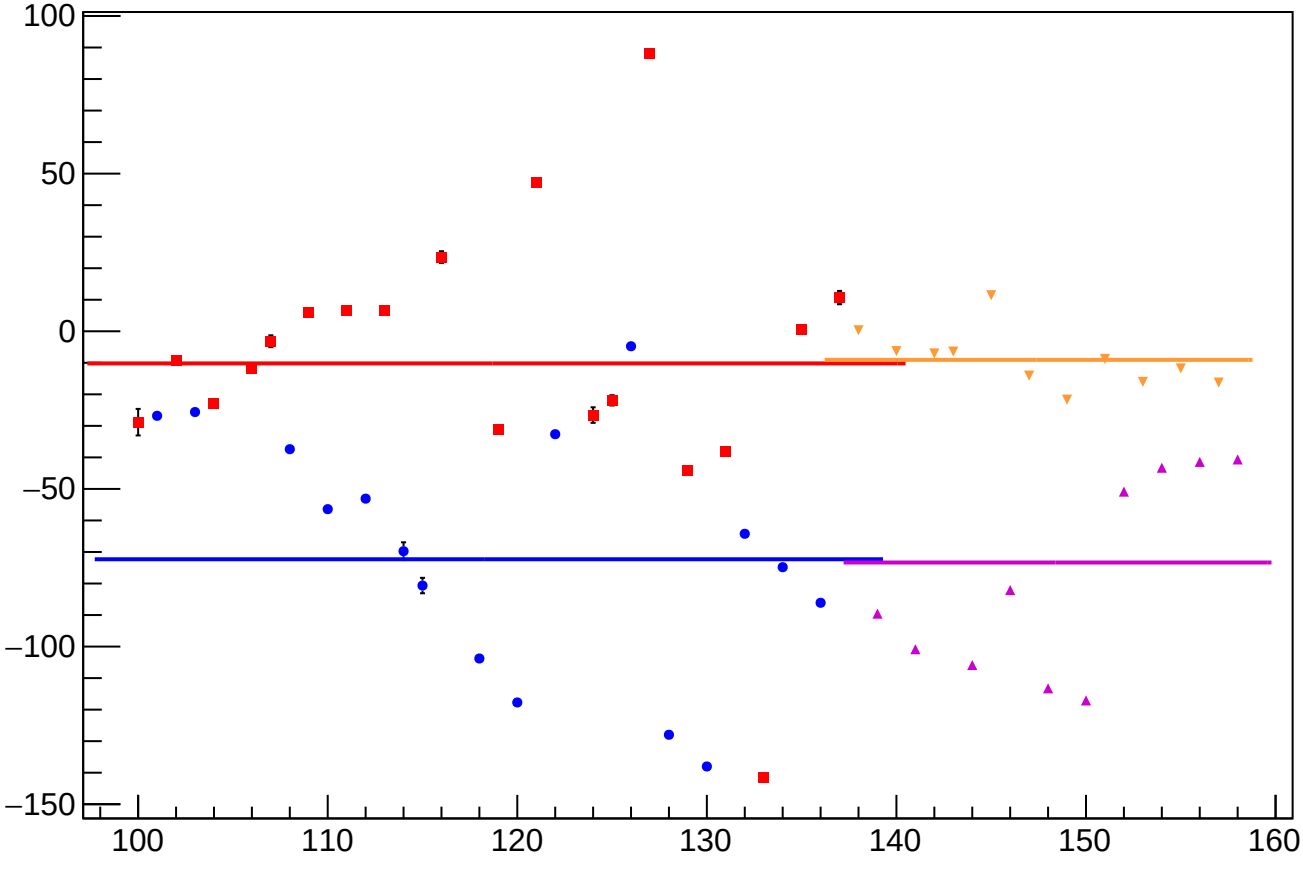
Left In: 1448.644+/-0.349 χ^2/NDF:181232.6/9

+ sign 1373.010+/-0.245 χ^2/NDF: 317674.8/26

All: 1377.203+/-0.173 χ^2/NDF: 659018.1/55

- sign 1381.365+/-0.244 χ^2/NDF: 340760.3/28

diff_bpm1i02X_mean vs Slug



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -9.066+/-0.299 χ^2/NDF:767.7/10

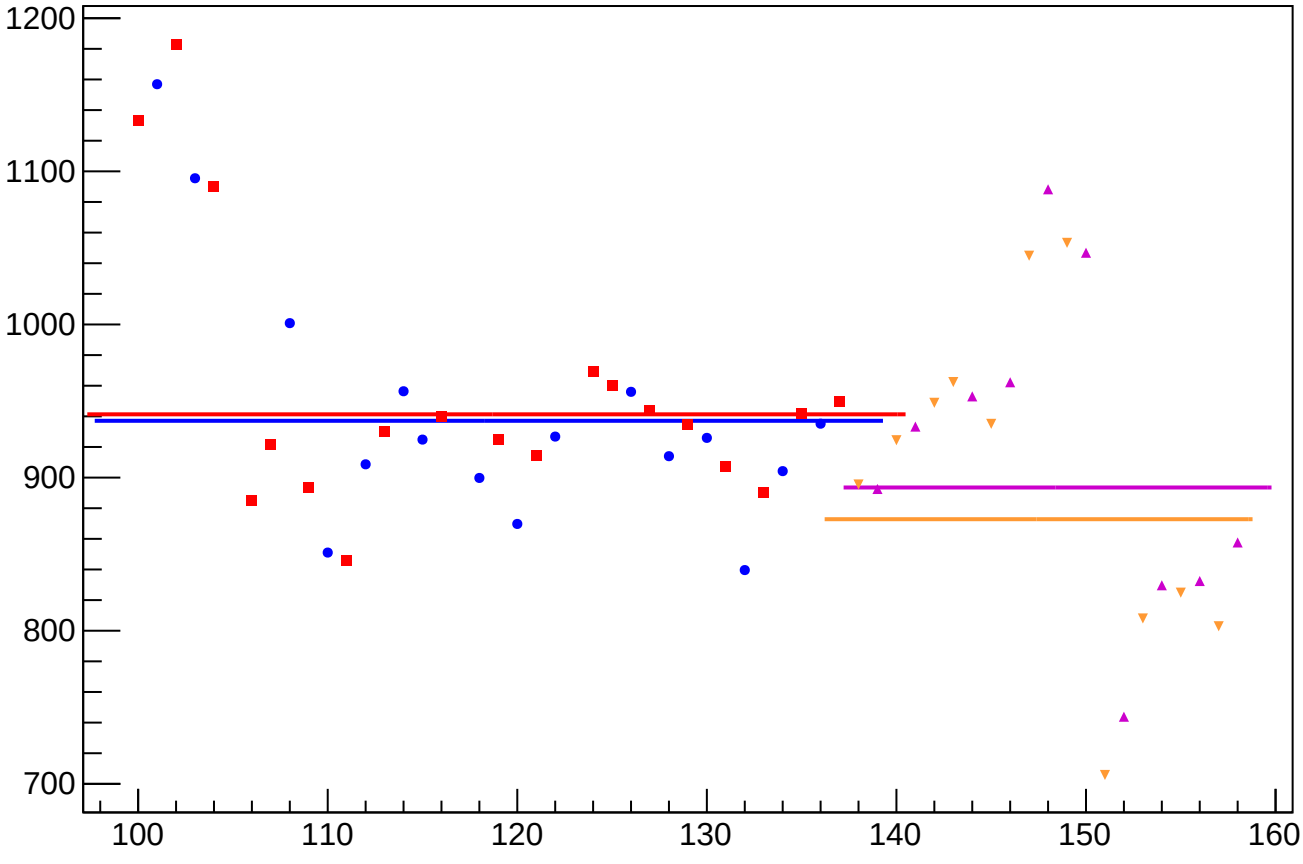
Right Out: -10.188+/-0.345 χ^2/NDF: 19045.9/18

Left In: -73.337+/-0.305 χ^2/NDF:9279.9/9

+ sign -35.746+/-0.227 χ^2/NDF: 31852.5/26

All: -40.658+/-0.161 χ^2/NDF: 79970.3/55

- sign -45.624+/-0.228 χ^2/NDF: 47176.3/28



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 872.831+/-0.211 χ^2/NDF:250527.9/10

Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

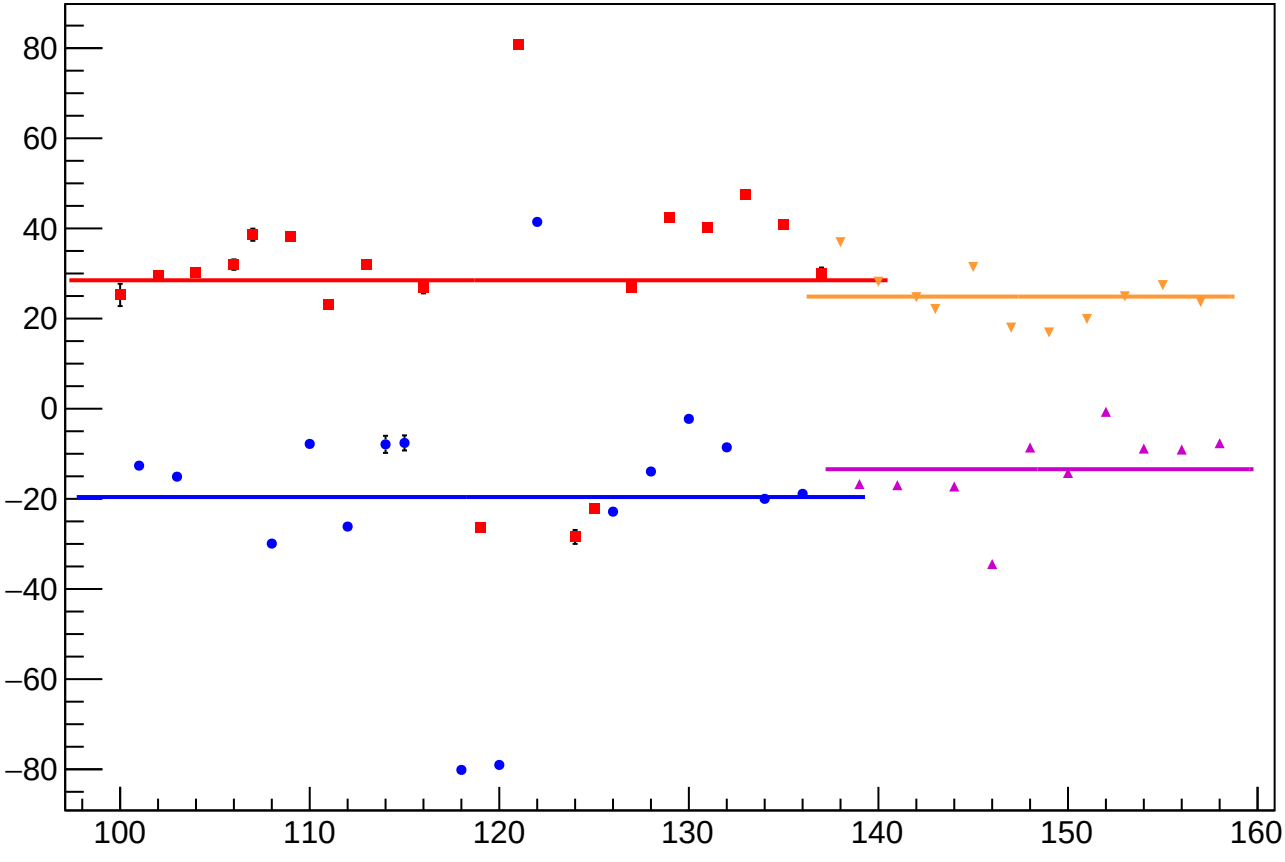
Left In: 893.540+/-0.215 χ^2/NDF:203542.7/9

\+ sign 899.945+/-0.161 χ^2/NDF: 394292.2/26

All: 907.187+/-0.114 χ^2/NDF: 724547.0/55

\- sign 914.510+/-0.161 χ^2/NDF: 326159.9/28

diff_bpm1i02Y_mean vs Slug



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 24.880+/-0.222 χ^2/NDF:674.5/10

Right Out: 28.496+/-0.230 χ^2/NDF: 12971.2/18

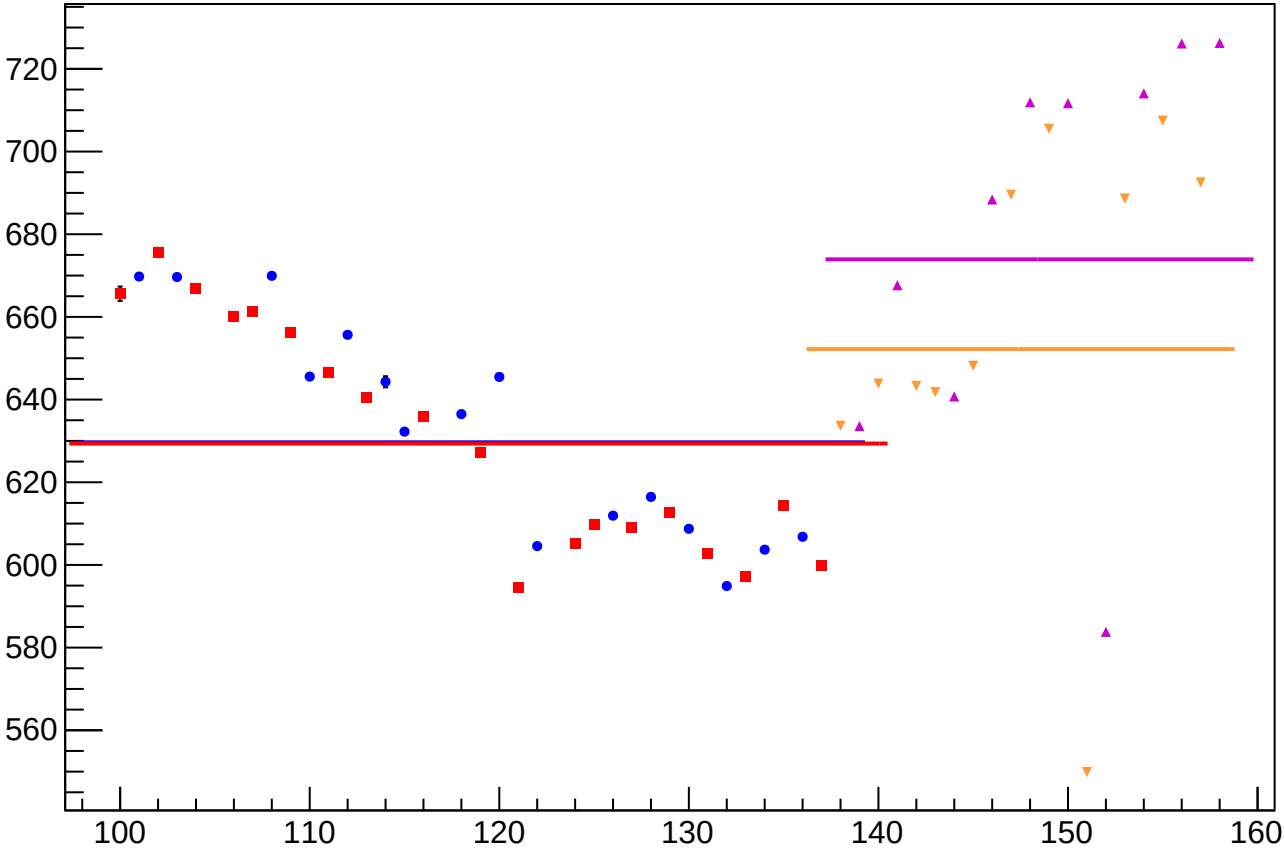
Left In: -13.421+/-0.229 χ^2/NDF:1486.1/9

+ sign 3.795+/-0.161 χ^2/NDF: 32836.1/26

All: 5.633+/-0.114 χ^2/NDF: 64242.1/55

- sign 7.496+/-0.162 χ^2/NDF: 31144.1/28

diff_bpm1i02Y_rms vs Slug



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 652.214+/-0.157 χ^2/NDF:95316.8/10

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

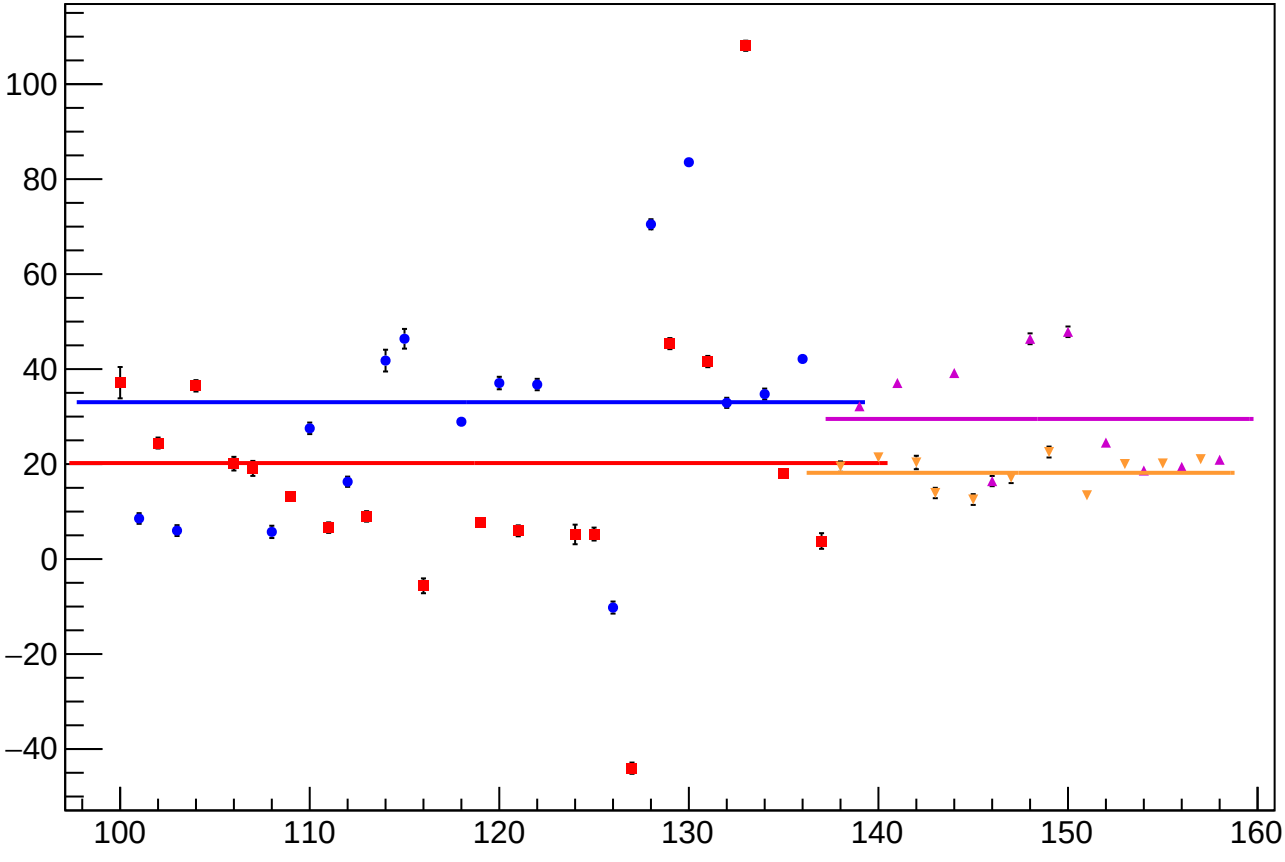
Left In: 673.919+/-0.162 χ^2/NDF:85961.2/9

+ sign 641.522+/-0.114 χ^2/NDF: 130399.8/26

All: 646.569+/-0.081 χ^2/NDF: 284813.2/55

- sign 651.684+/-0.115 χ^2/NDF: 150464.0/28

diff_bpm1i04X_mean vs Slug



Right In: 33.033+/-0.289 χ^2/NDF: 6700.1/15

Left Out: 18.162+/-0.323 χ^2/NDF:112.7/10

Right Out: 20.215+/-0.286 χ^2/NDF: 11869.7/18

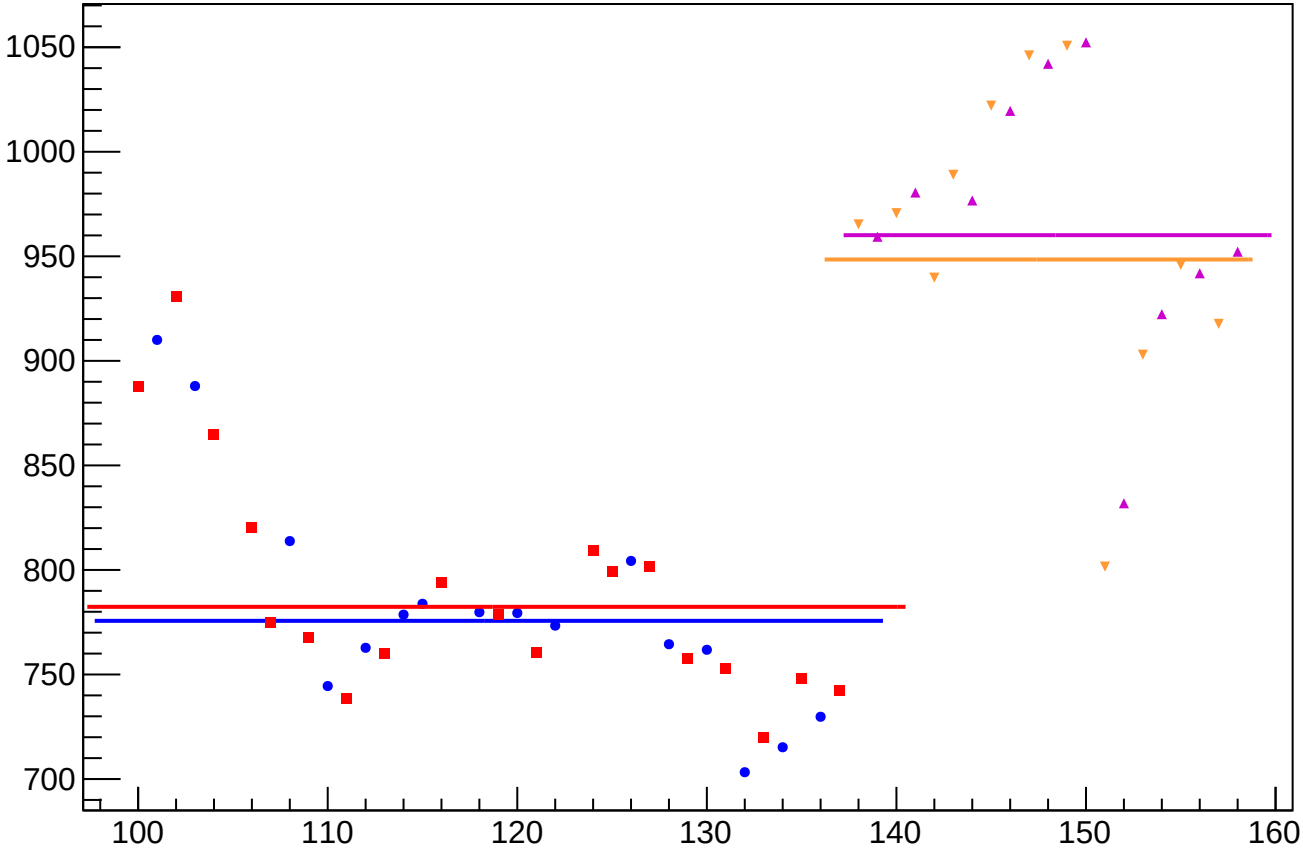
Left In: 29.506+/-0.326 χ^2/NDF:1106.0/9

+ sign 26.422+/-0.215 χ^2/NDF: 7990.7/26

All: 25.336+/-0.152 χ^2/NDF: 21475.9/55

- sign 24.253+/-0.215 χ^2/NDF: 13434.4/28

diff_bpm1i04X_rms vs Slug



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 948.475+/-0.228 χ^2/NDF:105530.4/10

Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

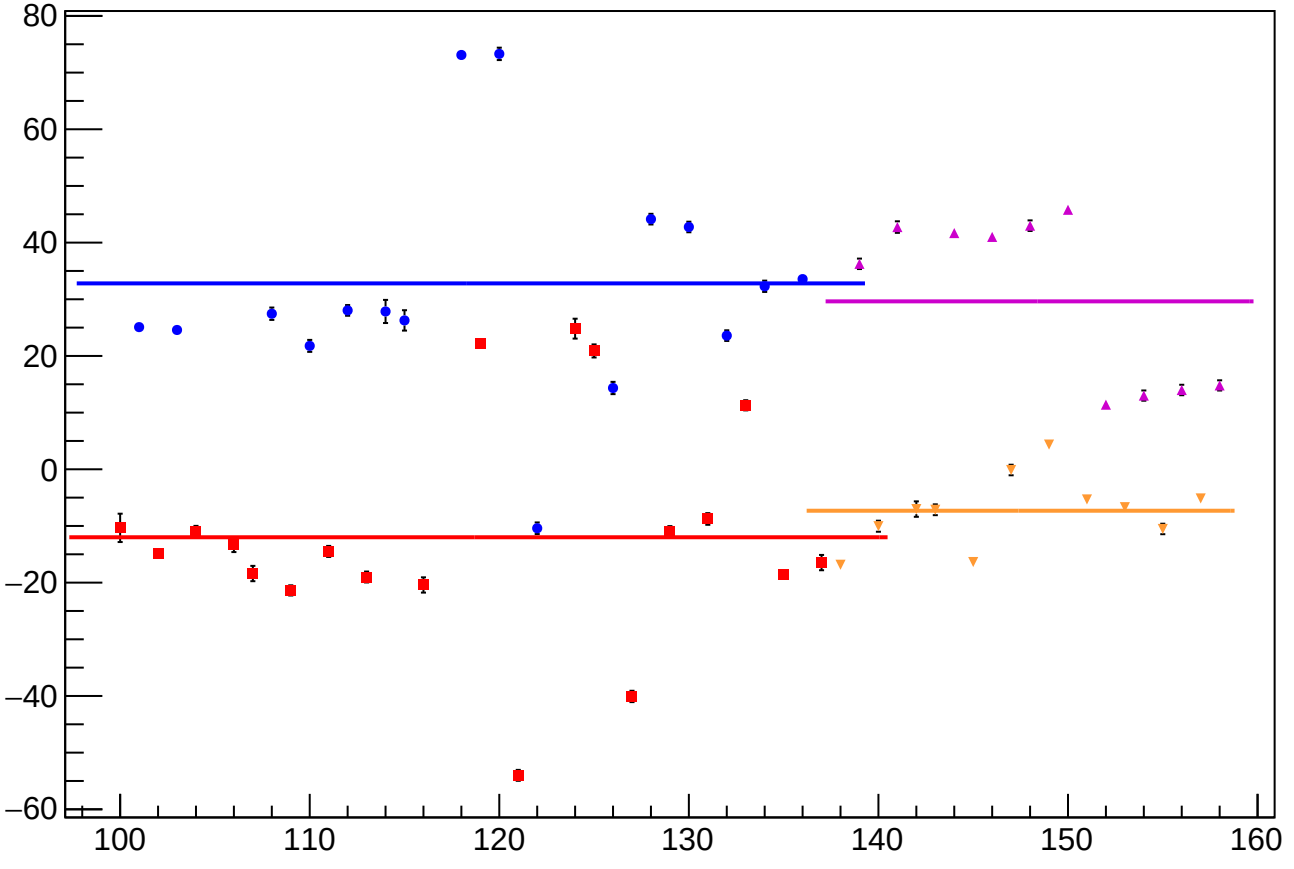
Left In: 960.113+/-0.231 χ^2/NDF:76137.8/9

+ sign 852.484+/-0.152 χ^2/NDF: 498284.7/26

All: 856.047+/-0.108 χ^2/NDF: 975897.8/55

- sign 859.600+/-0.152 χ^2/NDF: 476519.2/28

diff_bpm1i04Y_mean vs Slug



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -7.312+/-0.271 χ^2/NDF:491.7/10

Right Out: -11.994+/-0.241 χ^2/NDF: 6559.7/18

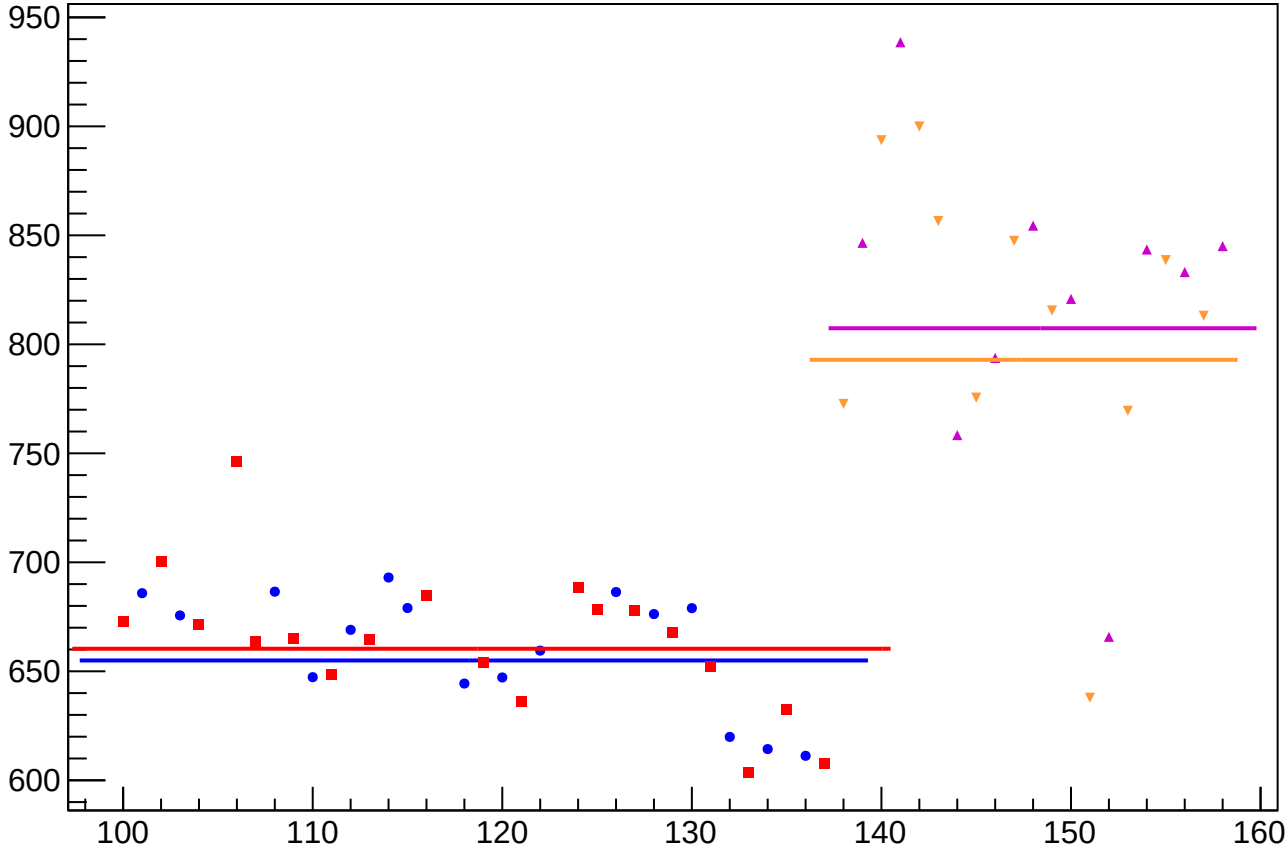
Left In: 29.632+/-0.276 χ^2/NDF:2711.8/9

+ sign 14.892+/-0.181 χ^2/NDF: 18868.0/26

All: 10.469+/-0.128 χ^2/NDF: 42235.8/55

- sign 6.027+/-0.182 χ^2/NDF: 22173.4/28

diff_bpm1i04Y_rms vs Slug



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 792.904+/-0.192 χ^2/NDF:159787.1/10

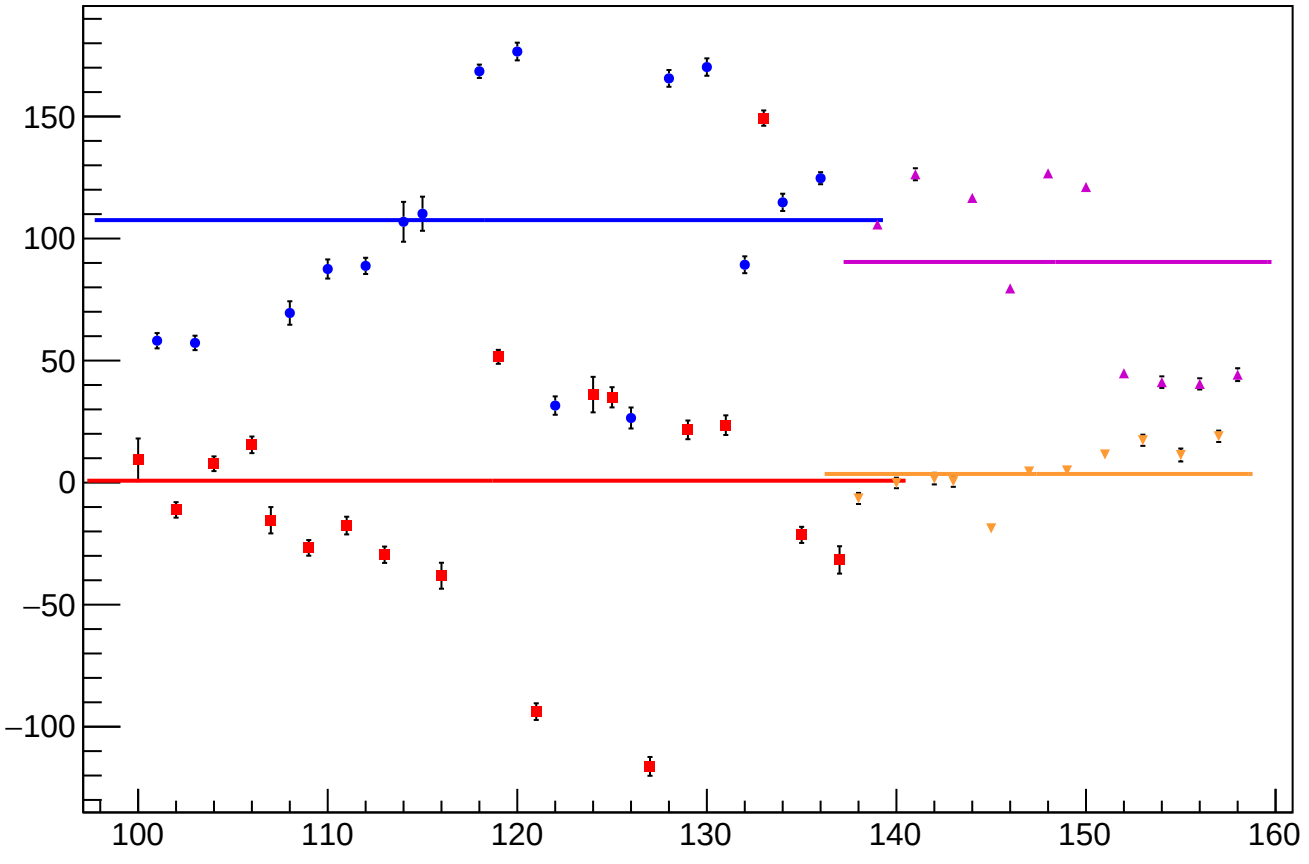
Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

Left In: 807.373+/-0.195 χ^2/NDF:135351.6/9

+ sign 716.559+/-0.128 χ^2/NDF: 473041.7/26

All: 720.272+/-0.091 χ^2/NDF: 962373.5/55

- sign 724.002+/-0.128 χ^2/NDF: 487647.5/28



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: 3.554+/-0.634 χ^2/NDF:259.7/10

Right Out: 0.788+/-0.861 χ^2/NDF: 4763.9/18

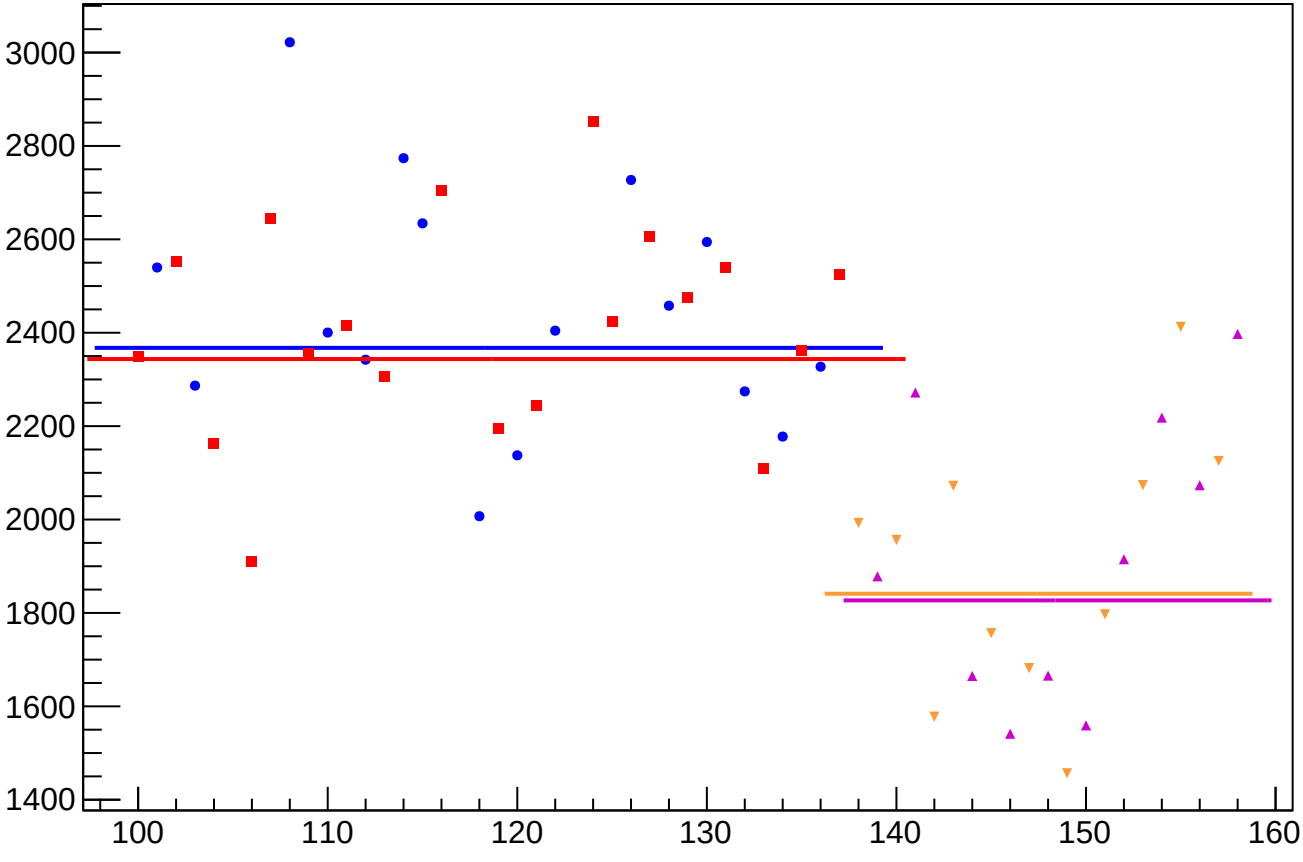
Left In: 90.402+/-0.632 χ^2/NDF:2961.6/9

+ sign 38.811+/-0.515 χ^2/NDF: 12335.3/26

All: 49.025+/-0.362 χ^2/NDF: 27877.6/55

- sign 59.005+/-0.510 χ^2/NDF: 14766.0/28

diff_bpm1i06X_rms vs Slug



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 1841.168+/-0.448 χ^2/NDF:337515.0/10

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

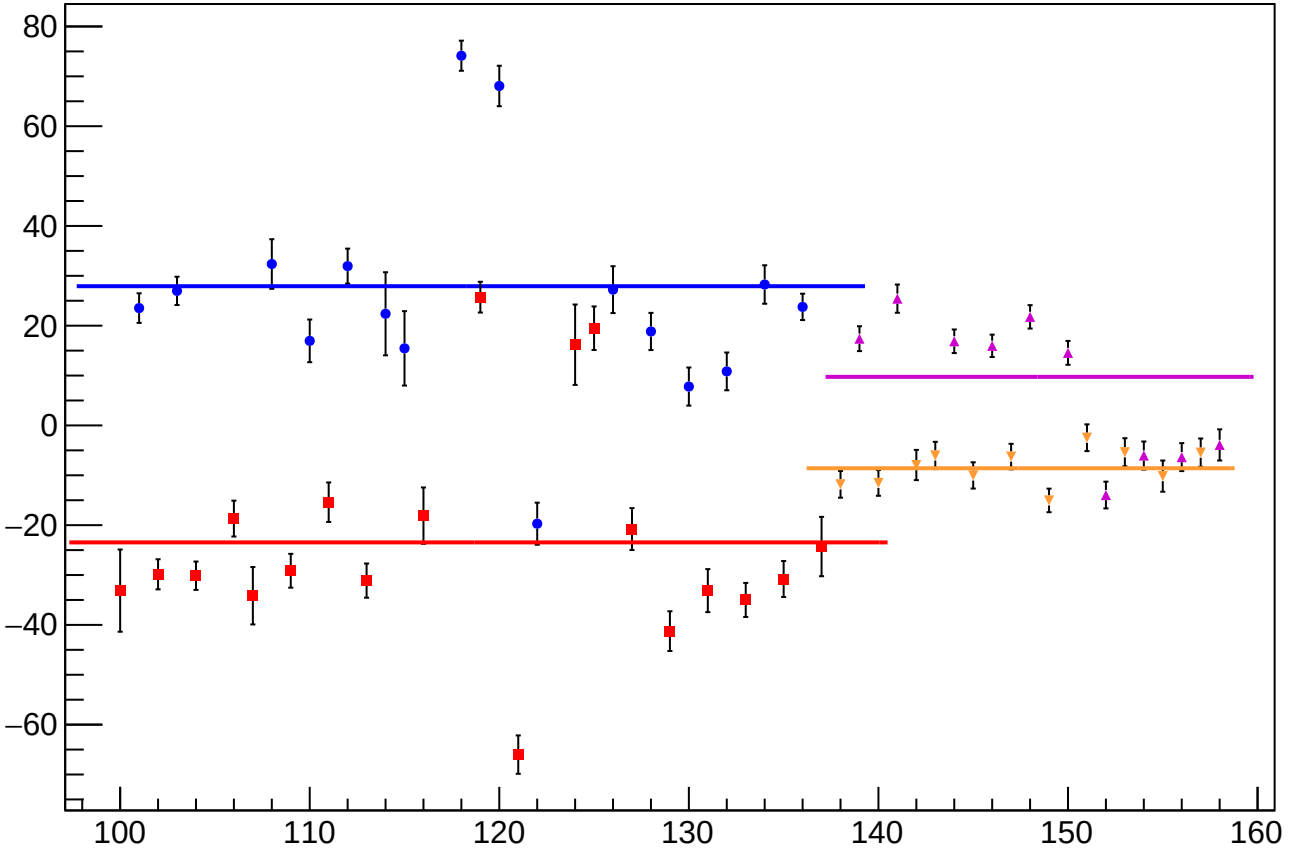
Left In: 1826.853+/-0.447 χ^2/NDF:387859.8/9

+ sign 2019.653+/-0.365 χ^2/NDF: 931730.8/26

All: 2013.726+/-0.256 χ^2/NDF: 1900780.0/55

- sign 2007.936+/-0.360 χ^2/NDF: 968526.5/28

diff_bpm1i06Y_mean vs Slug



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -8.588+/-0.817 χ^2/NDF:20.2/10

Right Out: -23.457+/-0.903 χ^2/NDF: 567.9/18

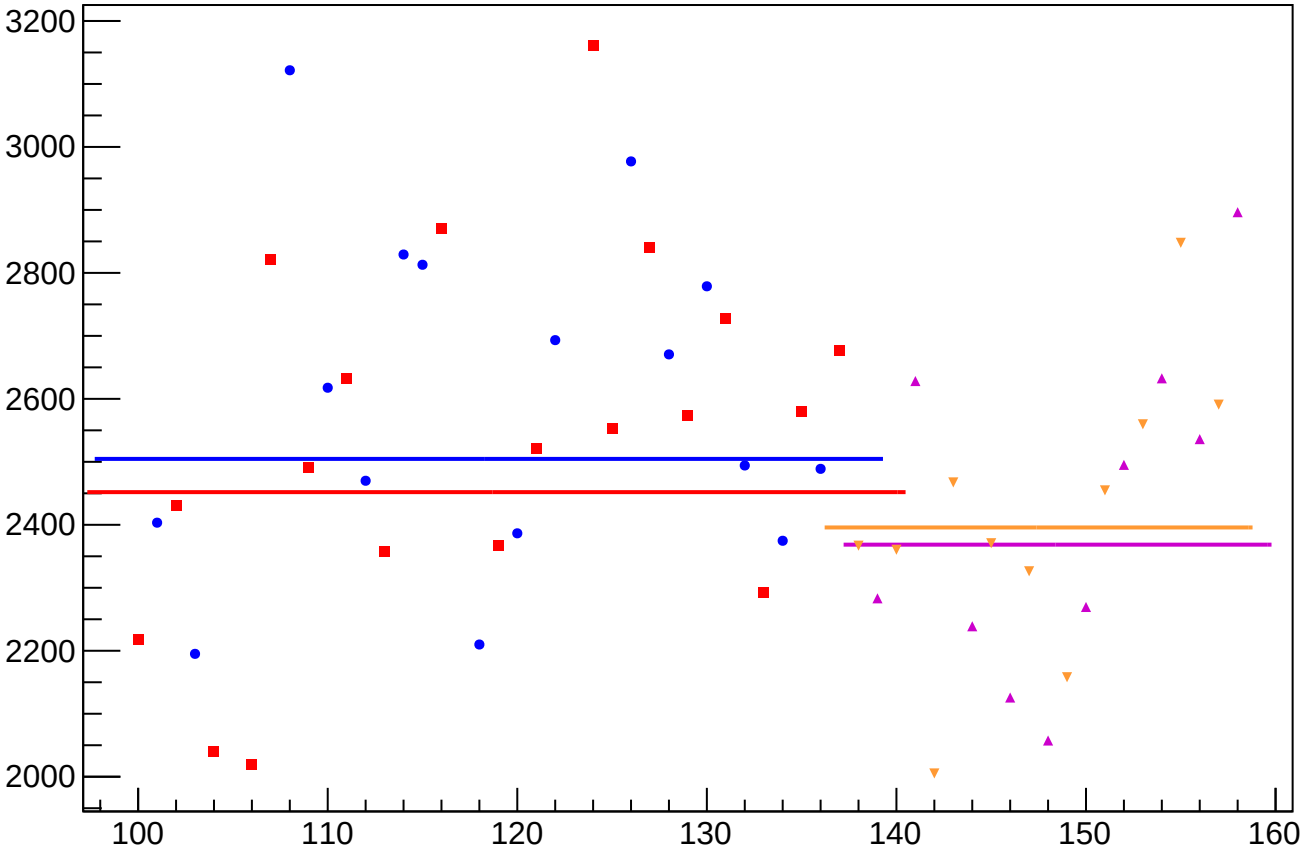
Left In: 9.740+/-0.813 χ^2/NDF:248.7/9

+ sign 7.188+/-0.616 χ^2/NDF: 1413.1/26

All: 0.912+/-0.431 χ^2/NDF: 3180.5/55

- sign -5.127+/-0.604 χ^2/NDF: 1563.5/28

diff_bpm1i06Y_rms vs Slug



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2395.791+/-0.578 χ^2/NDF:115884.9/10

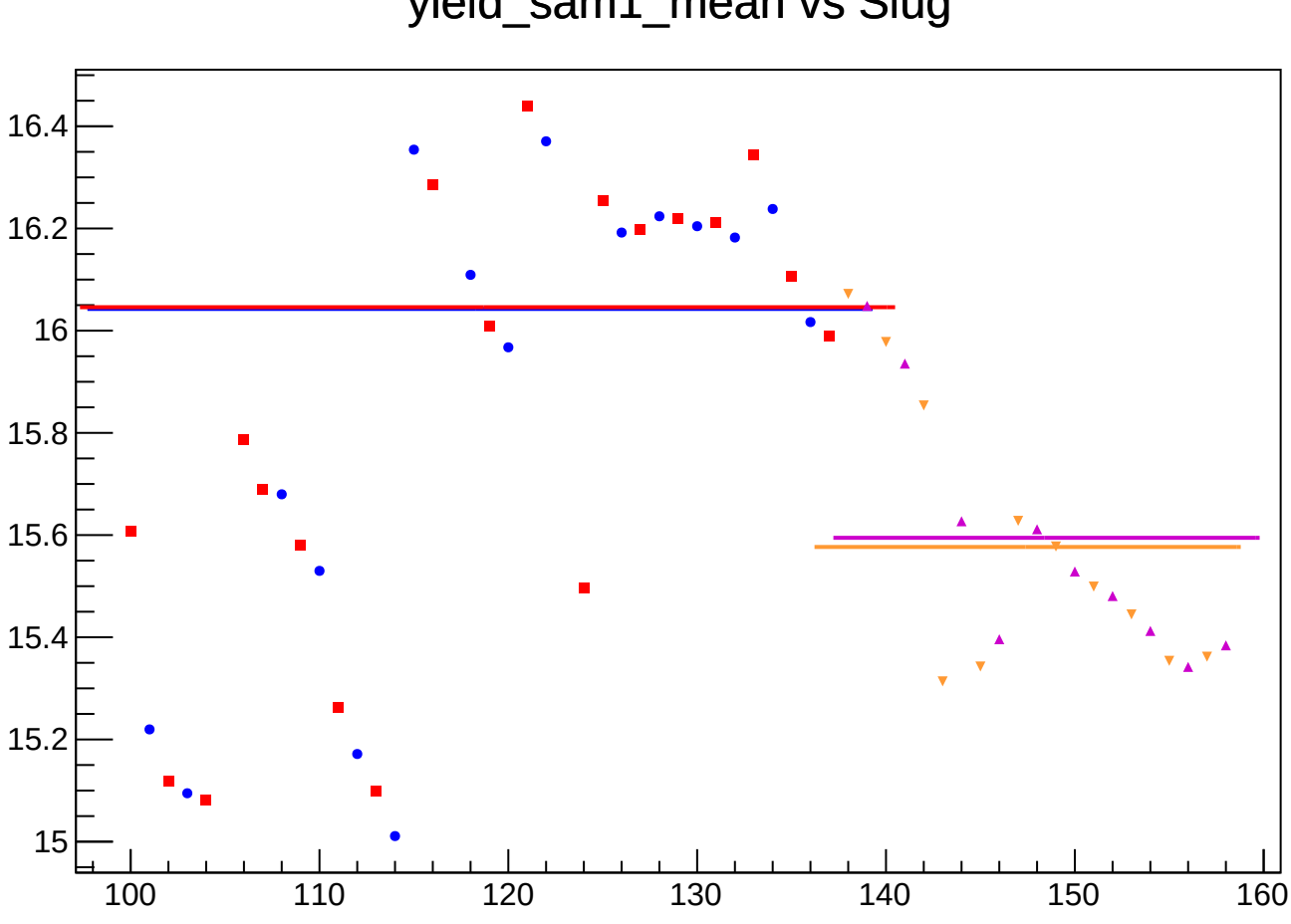
Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2368.487+/-0.575 χ^2/NDF:173382.8/9

+ sign 2442.839+/-0.435 χ^2/NDF: 257821.1/26

All: 2423.978+/-0.305 χ^2/NDF: 597548.5/55

- sign 2405.832+/-0.427 χ^2/NDF: 336046.5/28



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.577+/-0.000 χ^2/NDF:5331183445.3/10

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

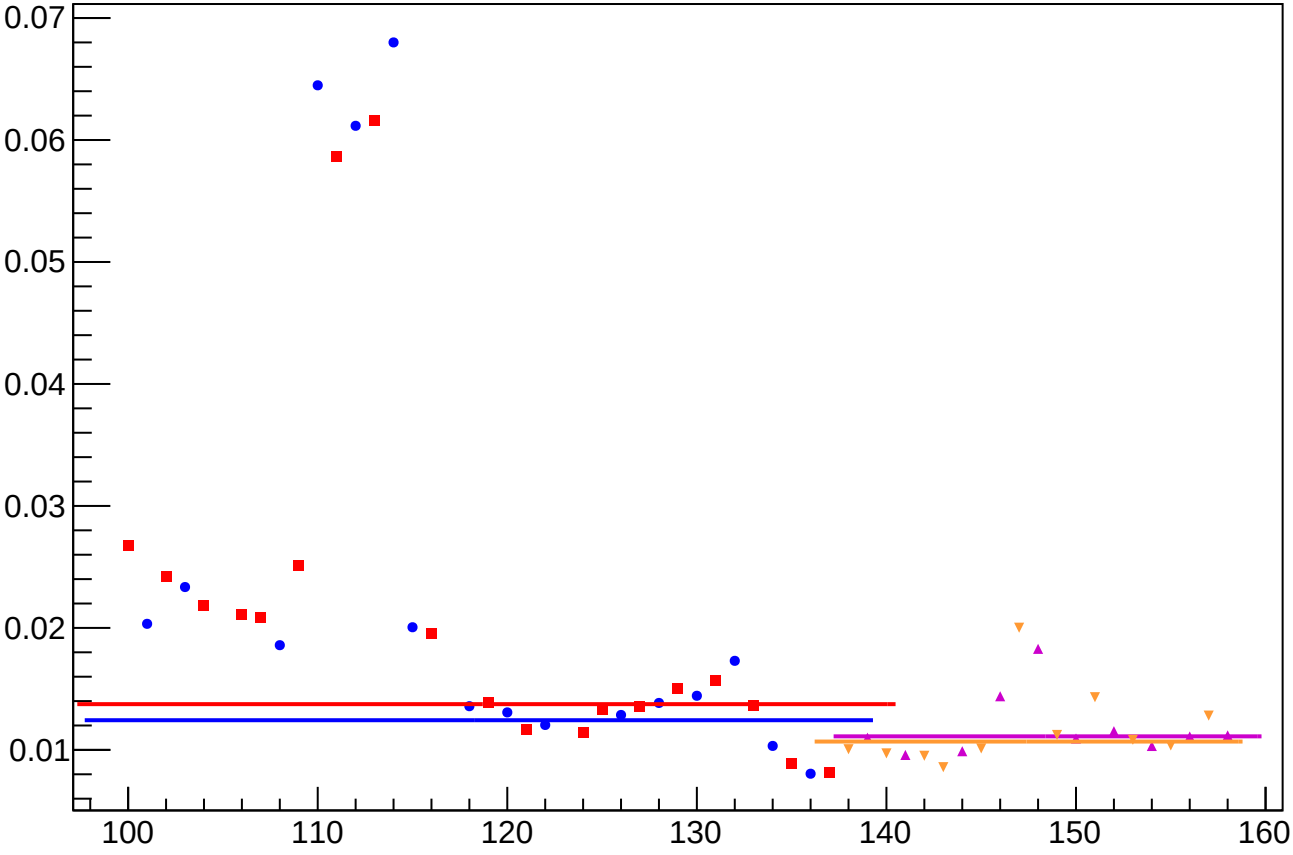
Left In: 15.595+/-0.000 χ^2/NDF:3668860775.5/9

+ sign 15.735+/-0.000 χ^2/NDF: 13275030854.9/26

All: 15.736+/-0.000 χ^2/NDF: 24689105615.5

- sign 15.737+/-0.000 χ^2/NDF: 11413837835.8/28

yield_sam1_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 2316842.7/15

Left Out: 0.011+/-0.000 χ^2/NDF:626812.3/10

Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

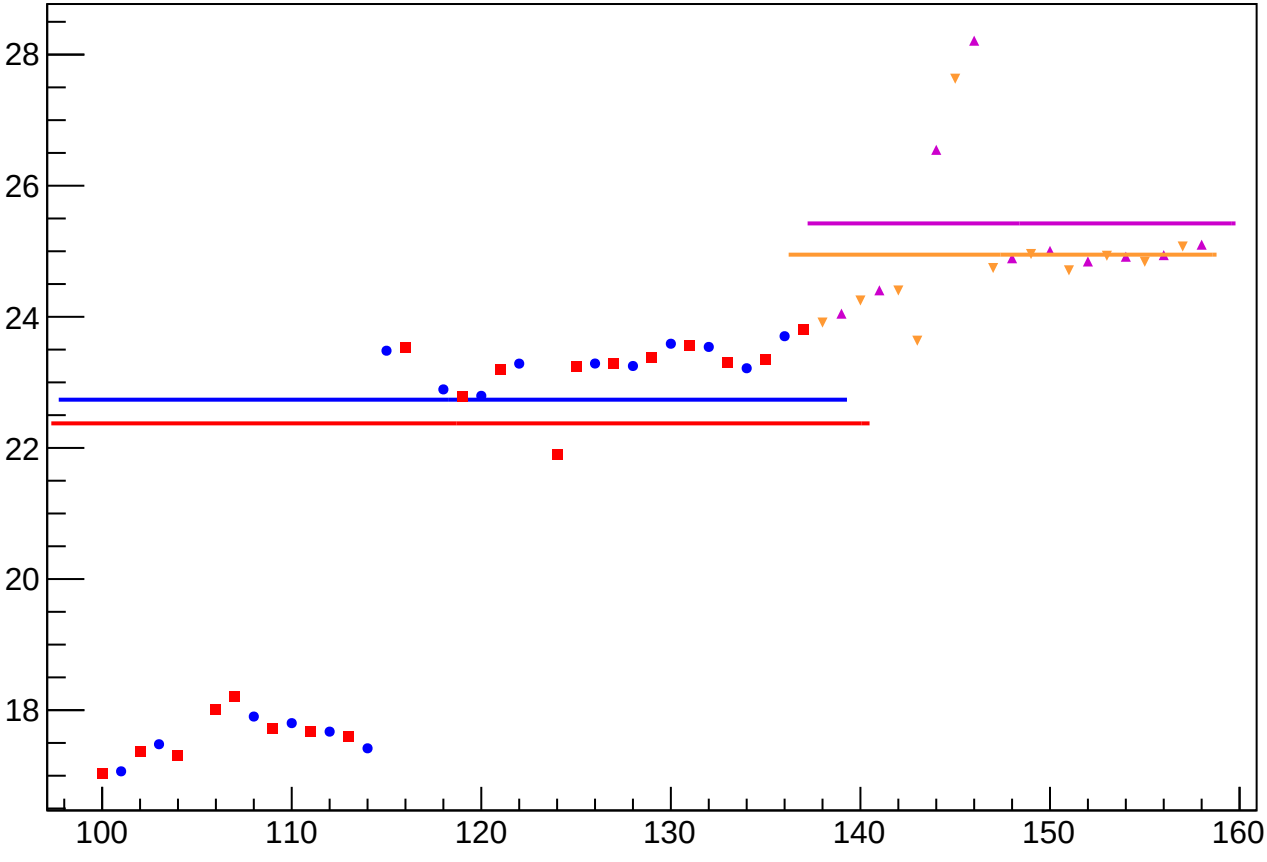
Left In: 0.011+/-0.000 χ^2/NDF:408175.8/9

+ sign 0.011+/-0.000 χ^2/NDF: 3087515.3/26

All: 0.012+/-0.000 χ^2/NDF: 6057592.0/55

- sign 0.012+/-0.000 χ^2/NDF: 2925779.2/28

yield_sam2_mean vs Slug



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 24.948+/-0.000 χ^2/NDF:763839501.3/10

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

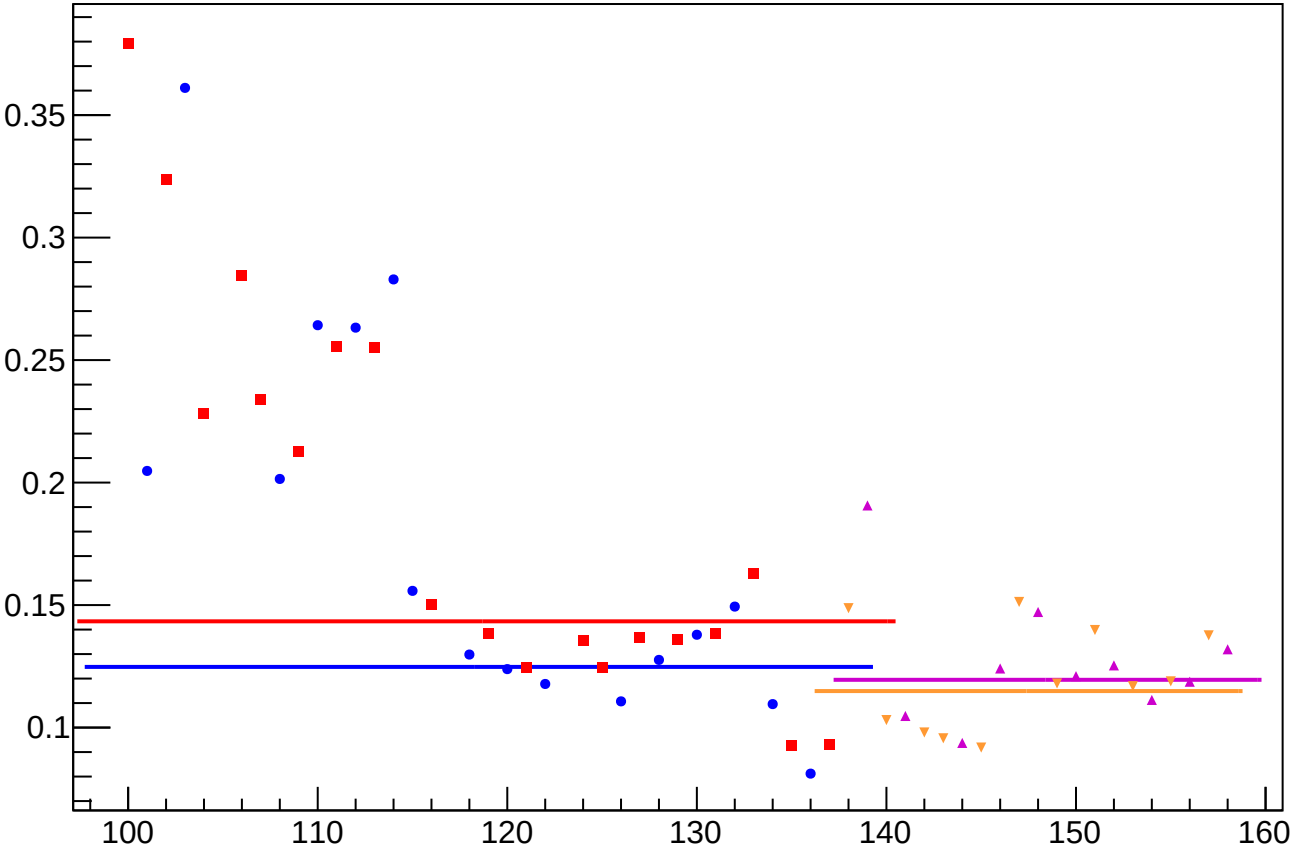
Left In: 25.425+/-0.000 χ^2/NDF:679286627.4/9

+ sign 24.094+/-0.000 χ^2/NDF: 3016507224.3/26

All: 24.217+/-0.000 χ^2/NDF: 6628124545.1/5

- sign 24.355+/-0.000 χ^2/NDF: 3583021028.6/28

yield_sam2_rms vs Slug



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.115+/-0.000 χ^2/NDF:423934.0/10

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

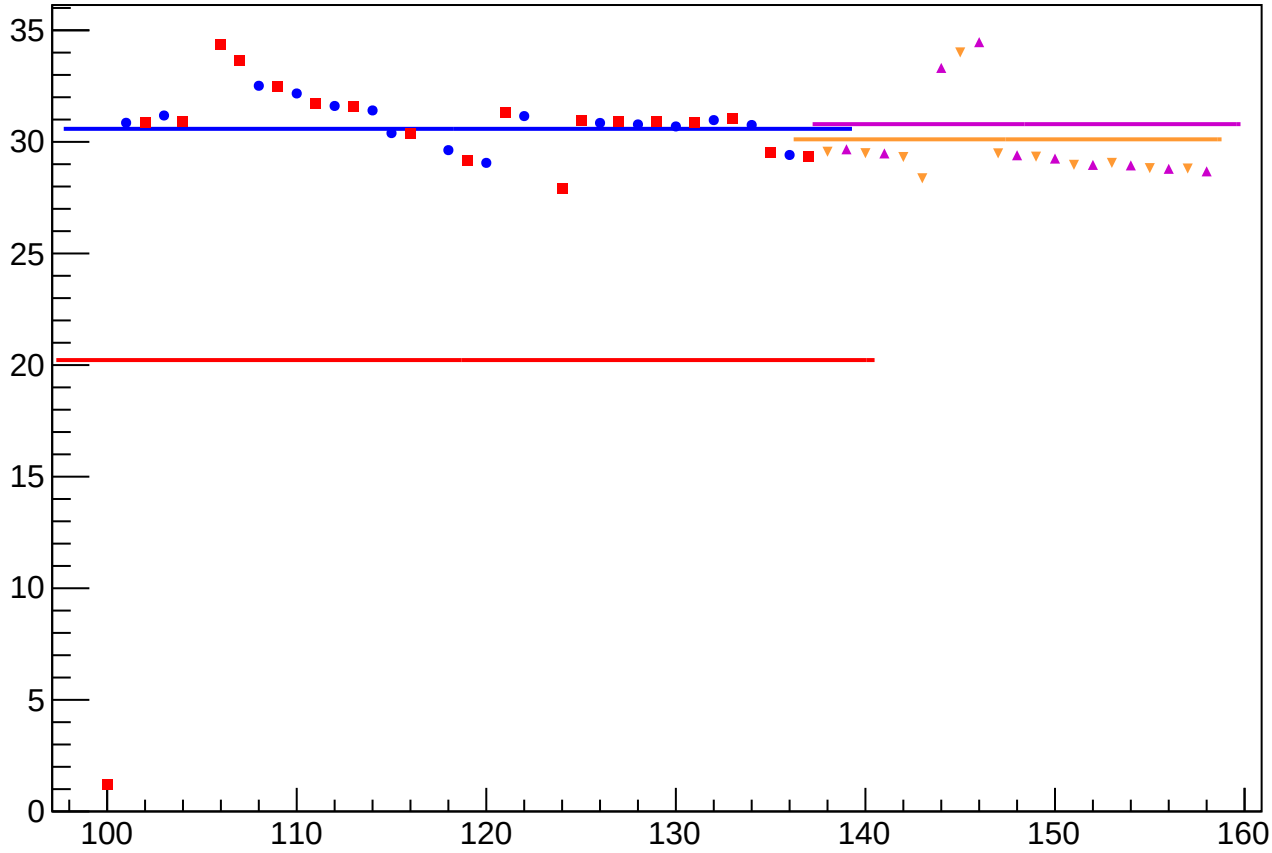
Left In: 0.119+/-0.000 χ^2/NDF:456638.5/9

+ sign 0.119+/-0.000 χ^2/NDF: 2214784.7/26

All: 0.123+/-0.000 χ^2/NDF: 4518918.1/55

- sign 0.128+/-0.000 χ^2/NDF: 2233560.4/28

yield_sam3_mean vs Slug



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 30.114+/-0.000 χ^2/NDF:5514788538.3/10

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

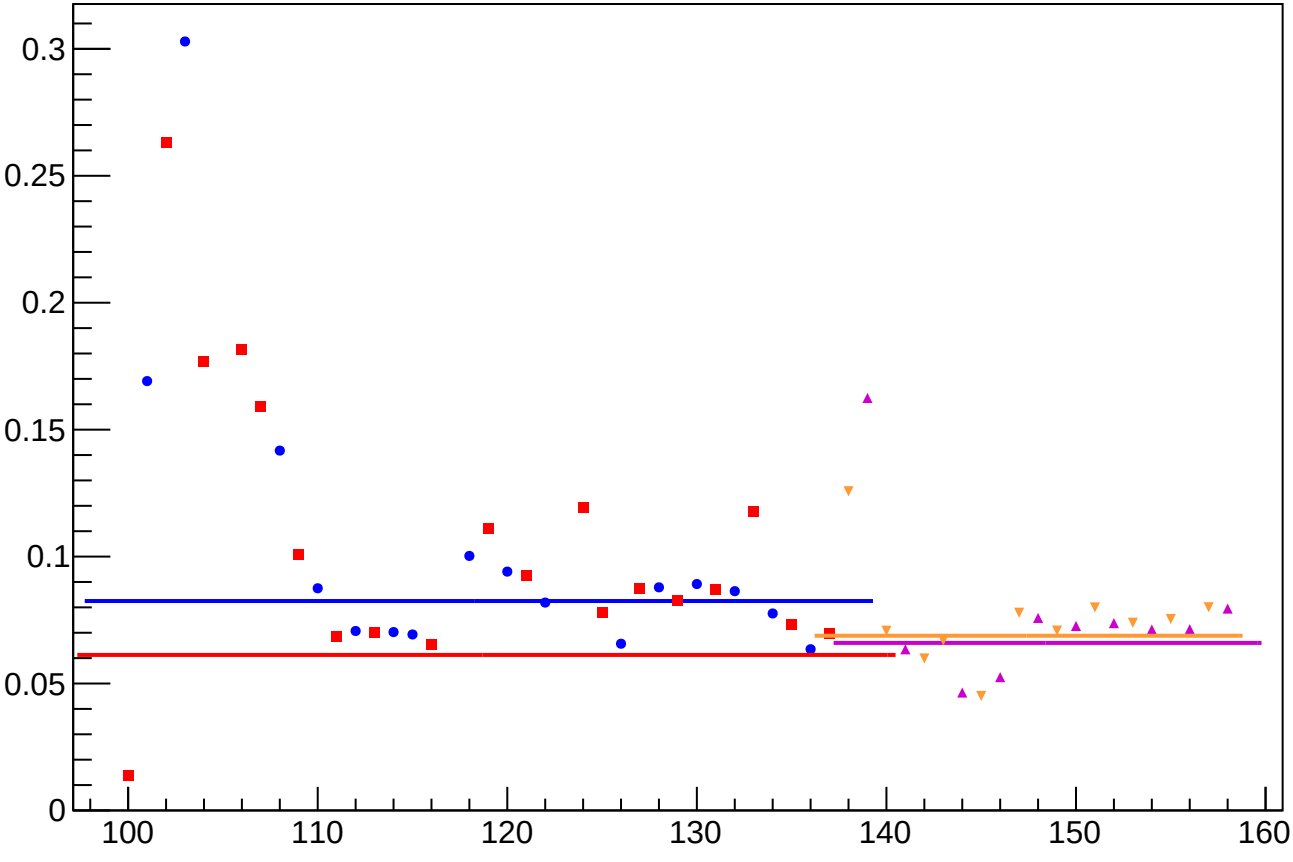
Left In: 30.795+/-0.000 χ^2/NDF:7815056384.5/9

+ sign 30.286+/-0.000 χ^2/NDF: 6275685238.1/26

All: 28.098+/-0.000 χ^2/NDF: 323573404267.

- sign 26.285+/-0.000 χ^2/NDF: 298793598399.1/28

yield_sam3_rms vs Slug



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

Left Out: 0.069+/-0.000 χ^2/NDF:685381.2/10

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

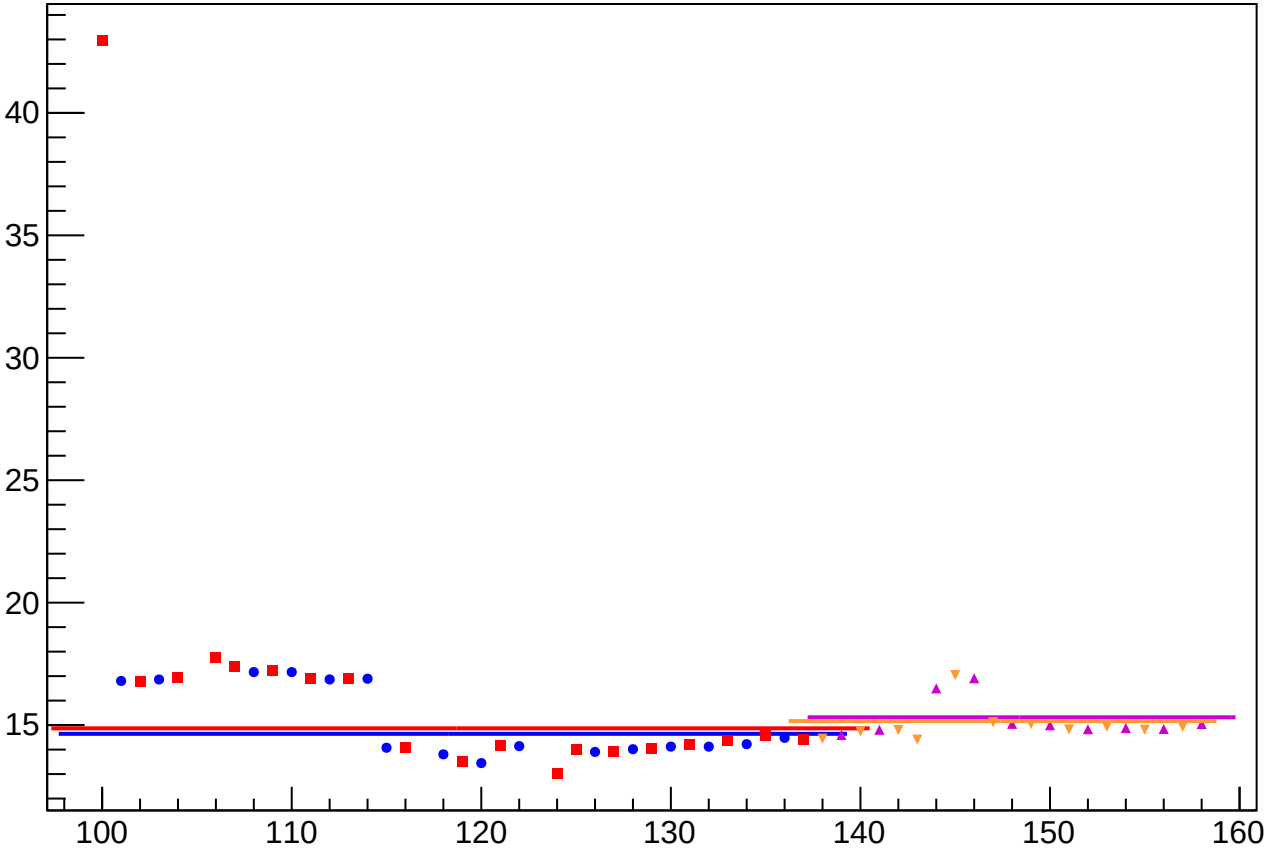
Left In: 0.066+/-0.000 χ^2/NDF:996288.0/9

+ sign 0.074+/-0.000 χ^2/NDF: 2130287.4/26

All: 0.068+/-0.000 χ^2/NDF: 7393248.5/55

- sign 0.064+/-0.000 χ^2/NDF: 5038567.3/28

yield_sam4_mean vs Slug



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 15.163+/-0.000 χ^2/NDF:990785914.4/10

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

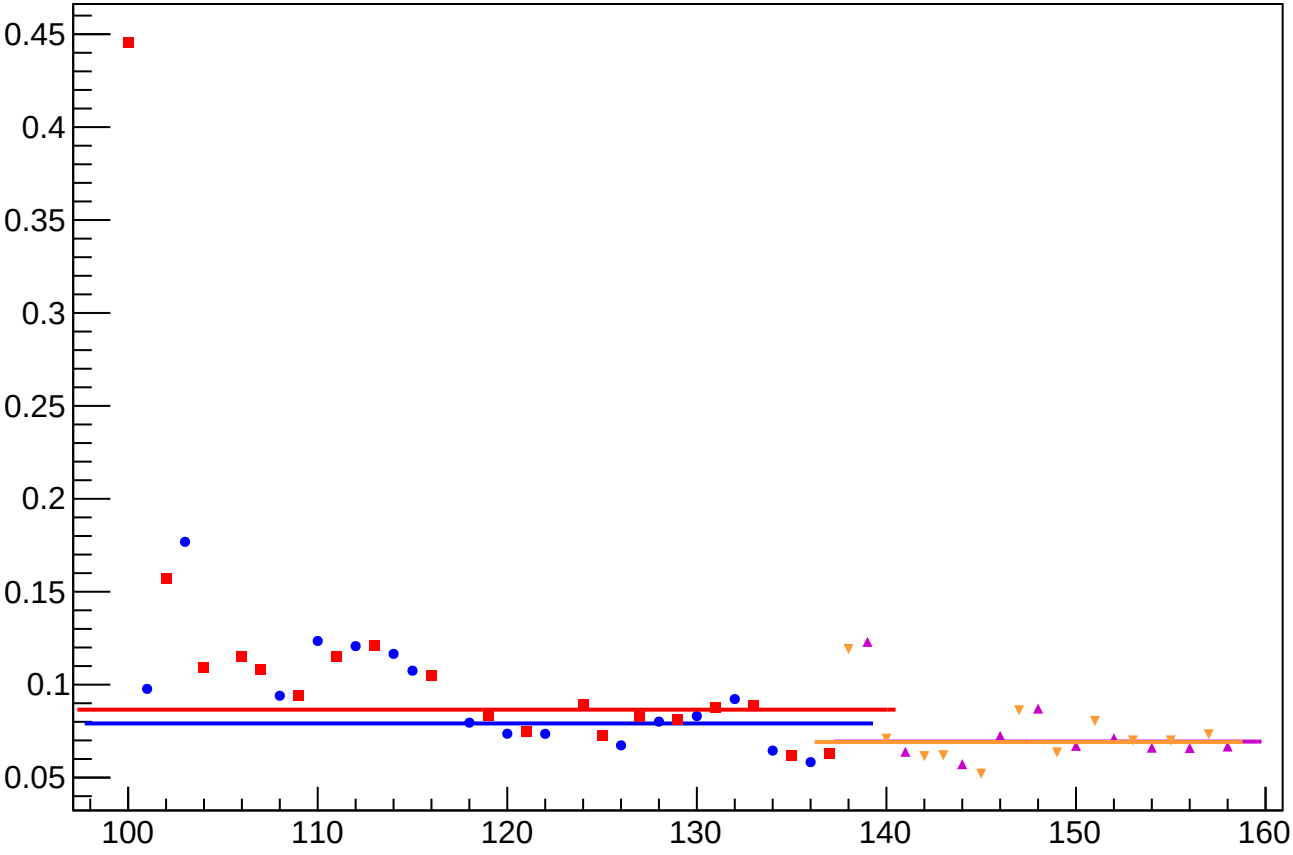
Left In: 15.319+/-0.000 χ^2/NDF:871785673.7/9

+ sign 14.960+/-0.000 χ^2/NDF: 2338352993.8/26

All: 15.058+/-0.000 χ^2/NDF: 5095038214.2/5

- sign 15.160+/-0.000 χ^2/NDF: 2709657537.0/28

yield_sam4_rms vs Slug



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

Left Out: 0.069+/-0.000 χ^2/NDF:514898.4/10

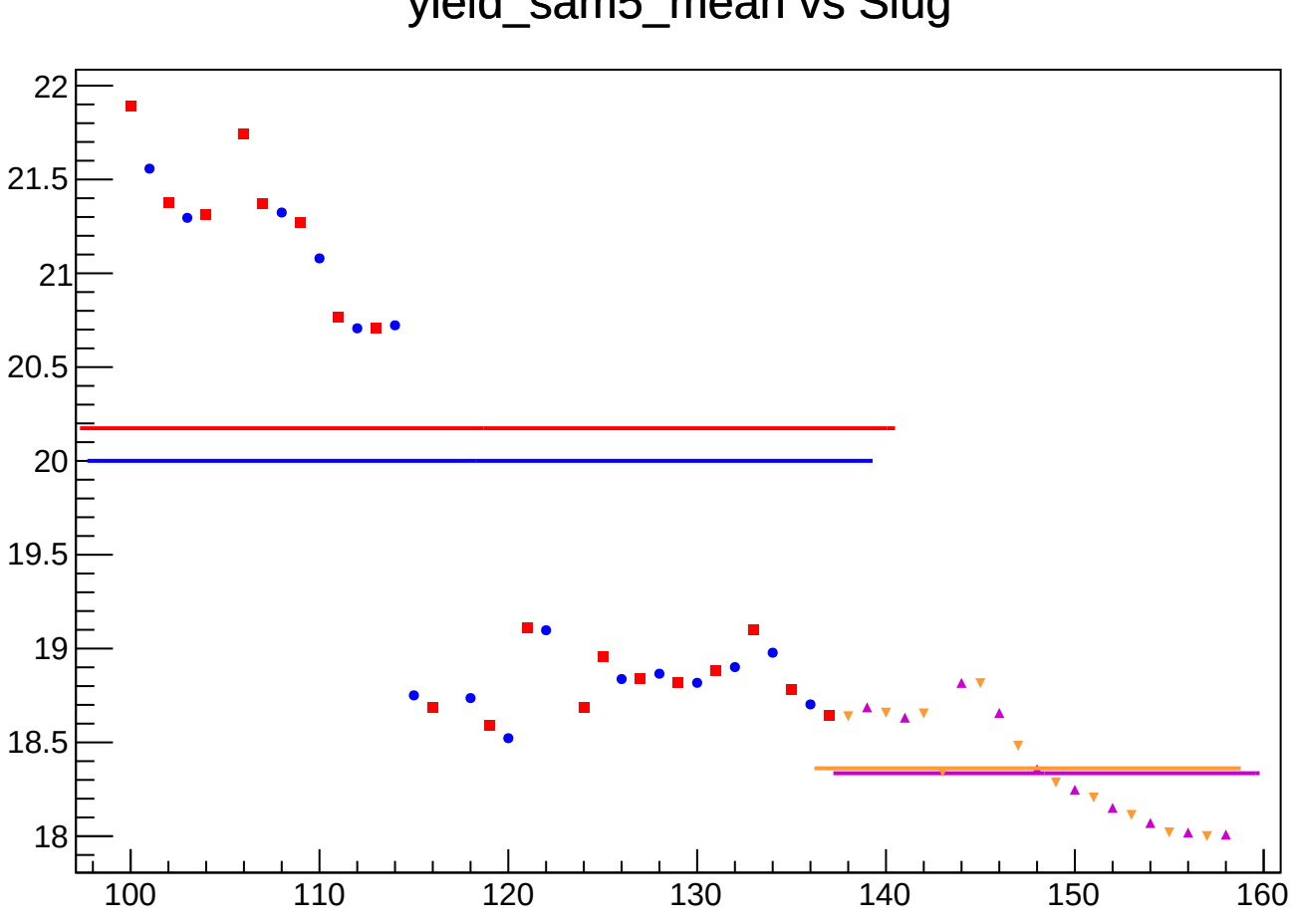
Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

Left In: 0.069+/-0.000 χ^2/NDF:461659.4/9

+ sign 0.073+/-0.000 χ^2/NDF: 1547677.8/26

All: 0.074+/-0.000 χ^2/NDF: 3129304.7/55

- sign 0.075+/-0.000 χ^2/NDF: 1567849.2/28



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 18.362+/-0.000 χ^2/NDF:601632563.0/10

Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

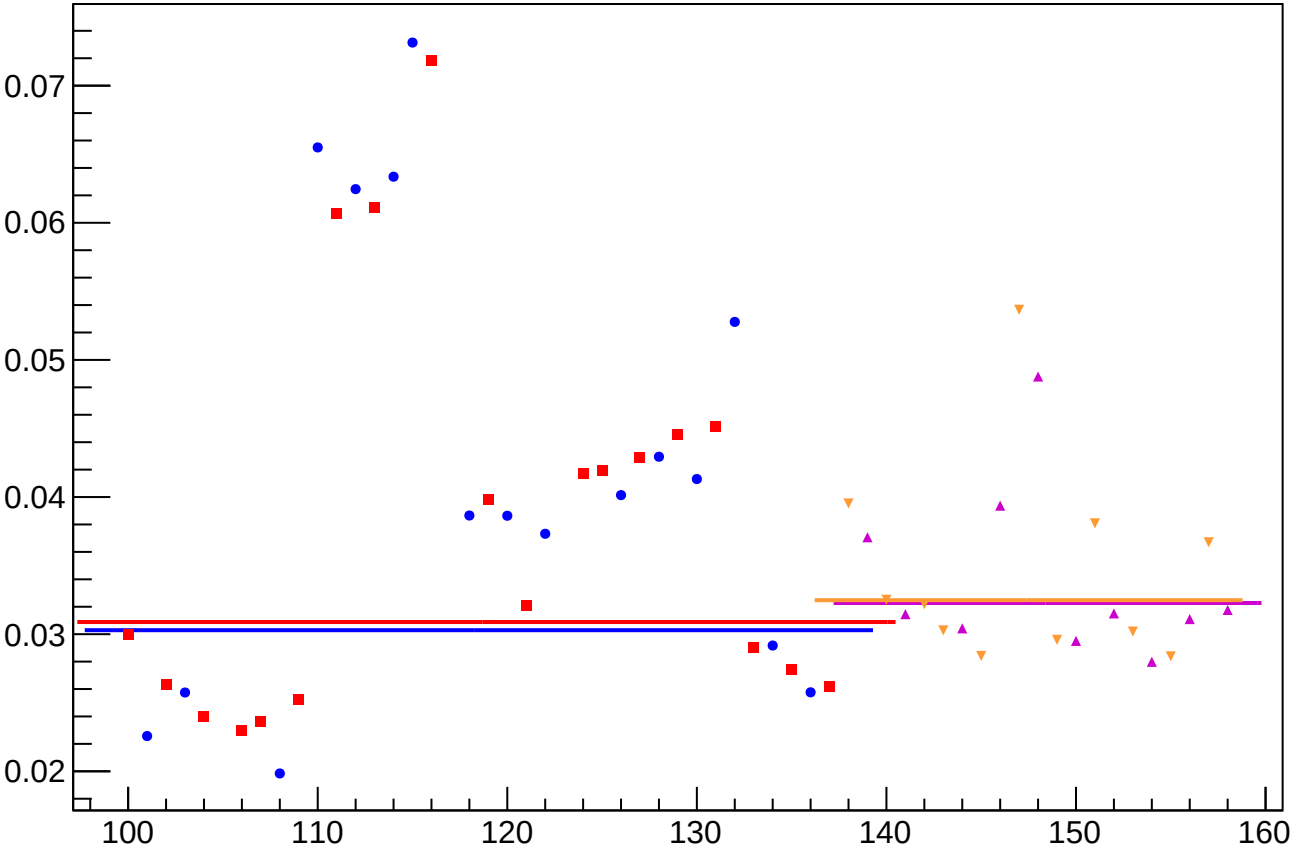
Left In: 18.336+/-0.000 χ^2/NDF:702936820.9/9

+ sign 19.116+/-0.000 χ^2/NDF: 20905324505.2/26

All: 19.143+/-0.000 χ^2/NDF: 44101584449.3

- sign 19.169+/-0.000 χ^2/NDF: 23175783646.4/28

yield_sam5_rms vs Slug



Right In: 0.030+/-0.000 χ^2/NDF: 1447374.9/15

Left Out: 0.032+/-0.000 χ^2/NDF:448968.9/10

Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

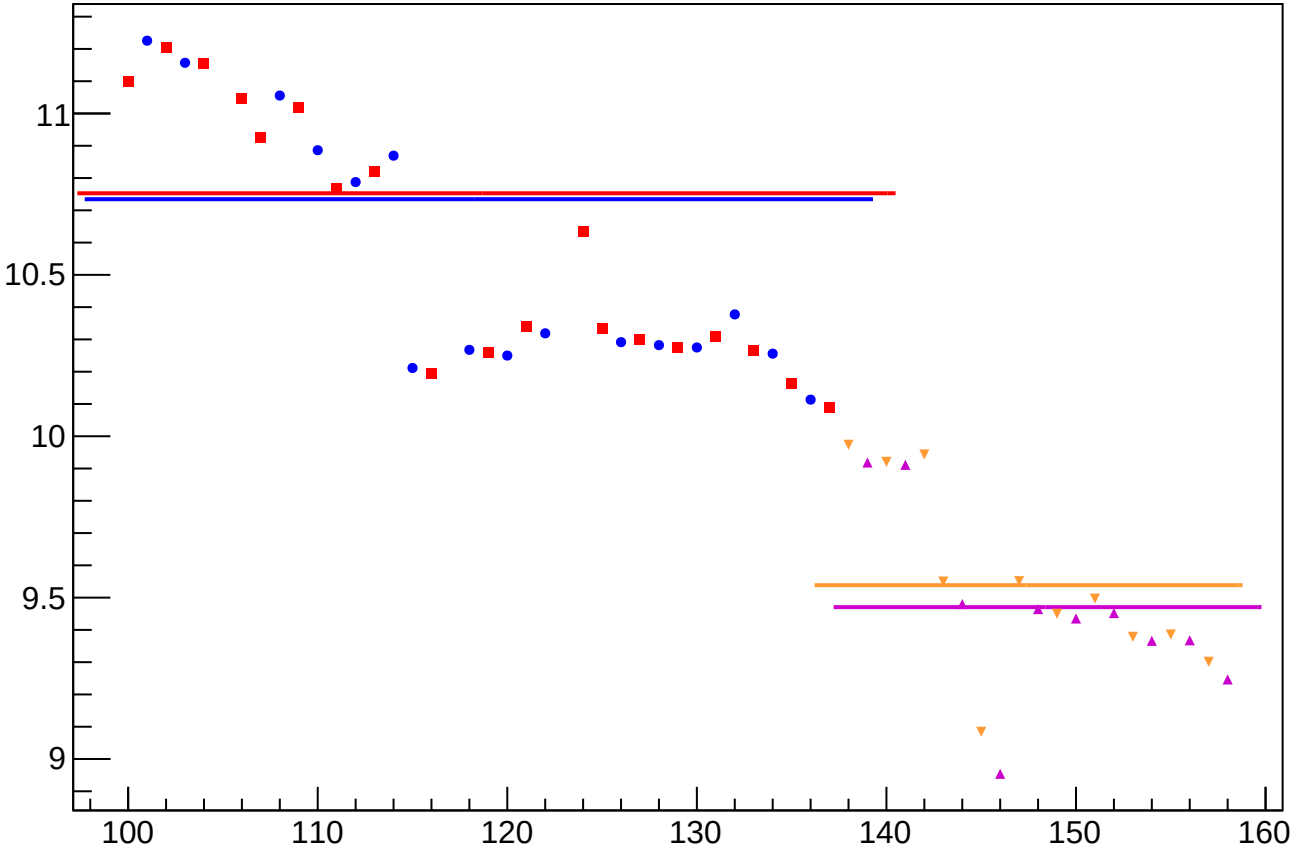
Left In: 0.032+/-0.000 χ^2/NDF:328529.4/9

+ sign 0.031+/-0.000 χ^2/NDF: 1929946.2/26

All: 0.032+/-0.000 χ^2/NDF: 3477388.5/55

- sign 0.032+/-0.000 χ^2/NDF: 1547010.3/28

yield_sam6_mean vs Slug



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.539+/-0.000 χ^2/NDF:1415333331.7/10

Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

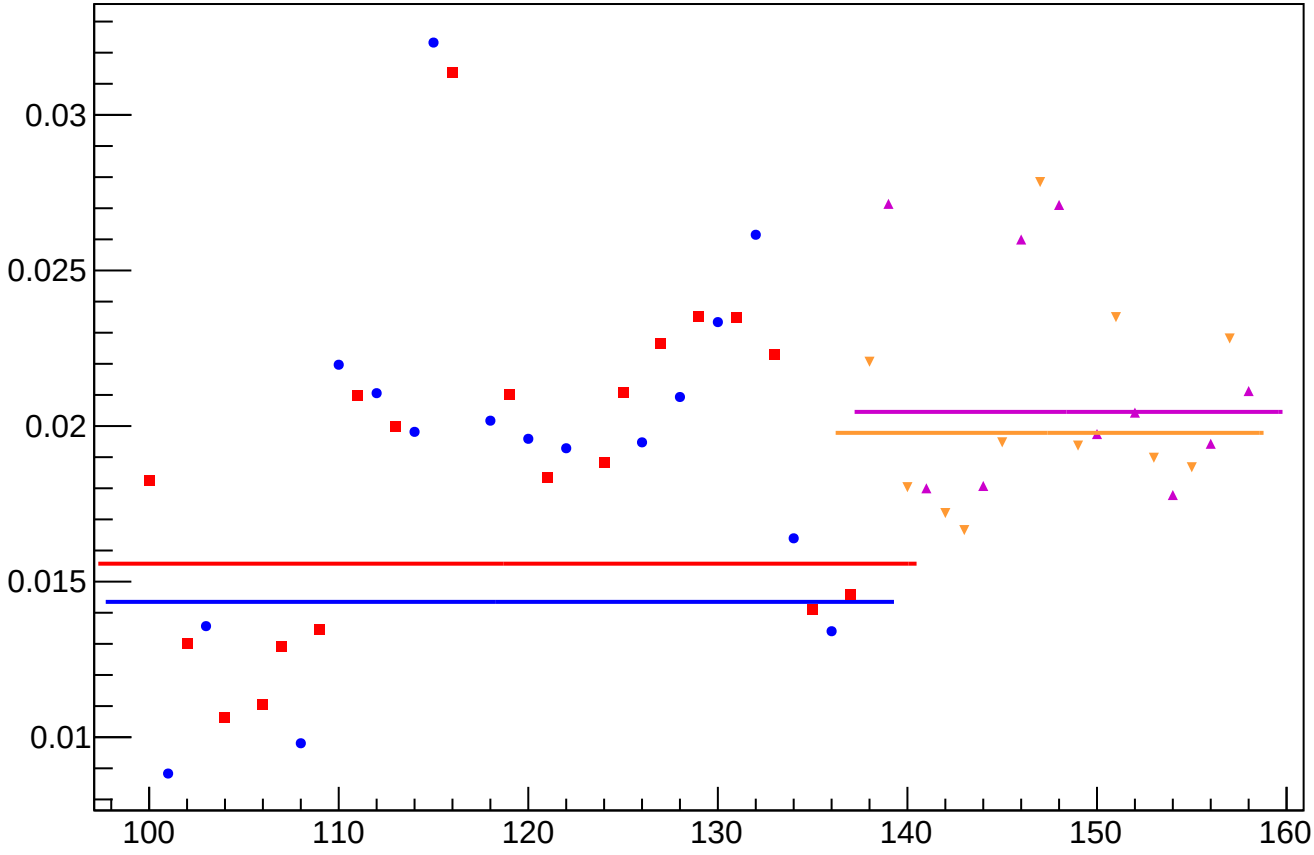
Left In: 9.471+/-0.000 χ^2/NDF:1168253881.9/9

+ sign 10.235+/-0.000 χ^2/NDF: 23777115457.6/26

All: 10.223+/-0.000 χ^2/NDF: 47062090718.5

- sign 10.210+/-0.000 χ^2/NDF: 23270293312.4/28

yield_sam6_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1481790.8/15

Left Out: 0.020+/-0.000 χ^2/NDF:305880.6/10

Right Out: 0.016+/-0.000 χ^2/NDF: 1071979.1/18

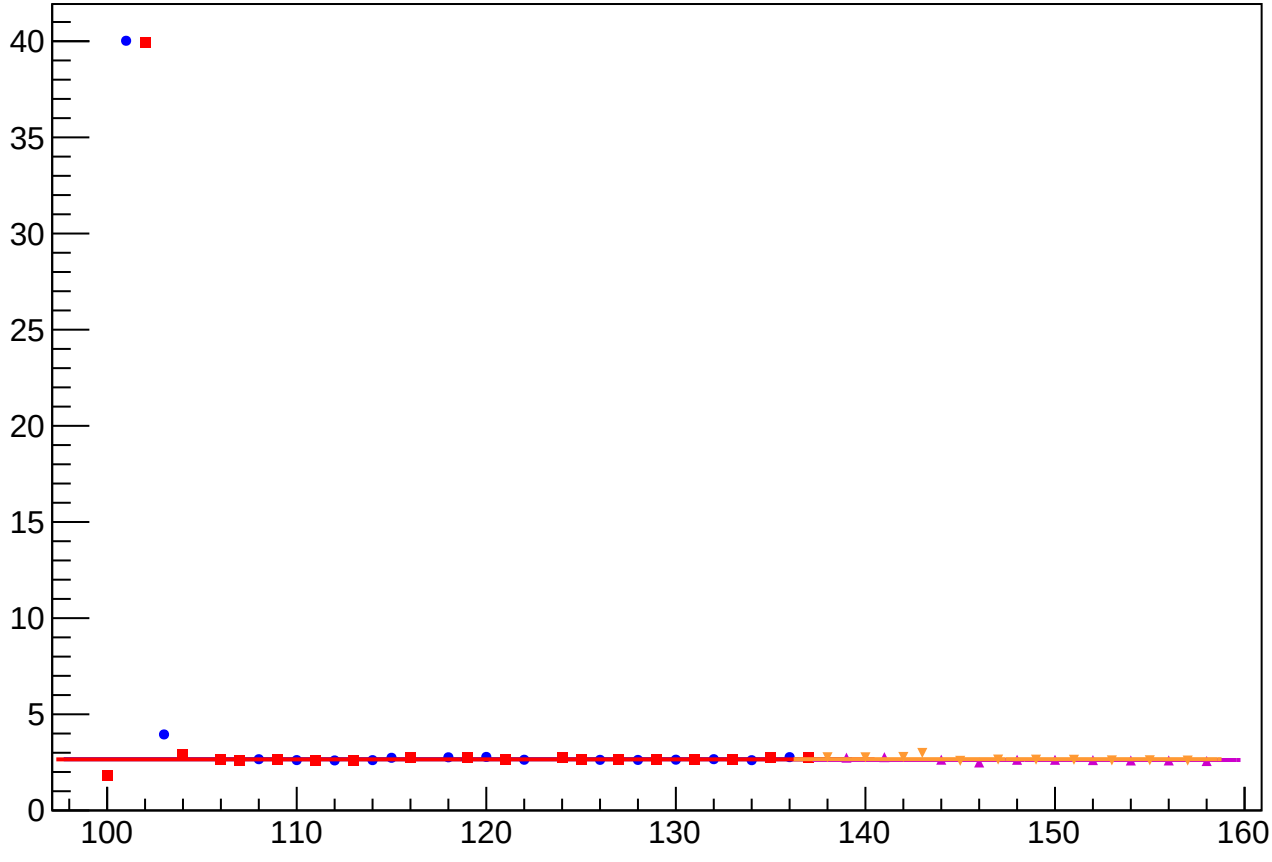
Left In: 0.020+/-0.000 χ^2/NDF:371551.0/9

+ sign 0.017+/-0.000 χ^2/NDF: 2467895.1/26

All: 0.017+/-0.000 χ^2/NDF: 4473638.6/55

- sign 0.018+/-0.000 χ^2/NDF: 1957622.1/28

yield_sam7_mean vs Slug



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.667+/-0.000 χ^2/NDF:17017755498.7/10

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

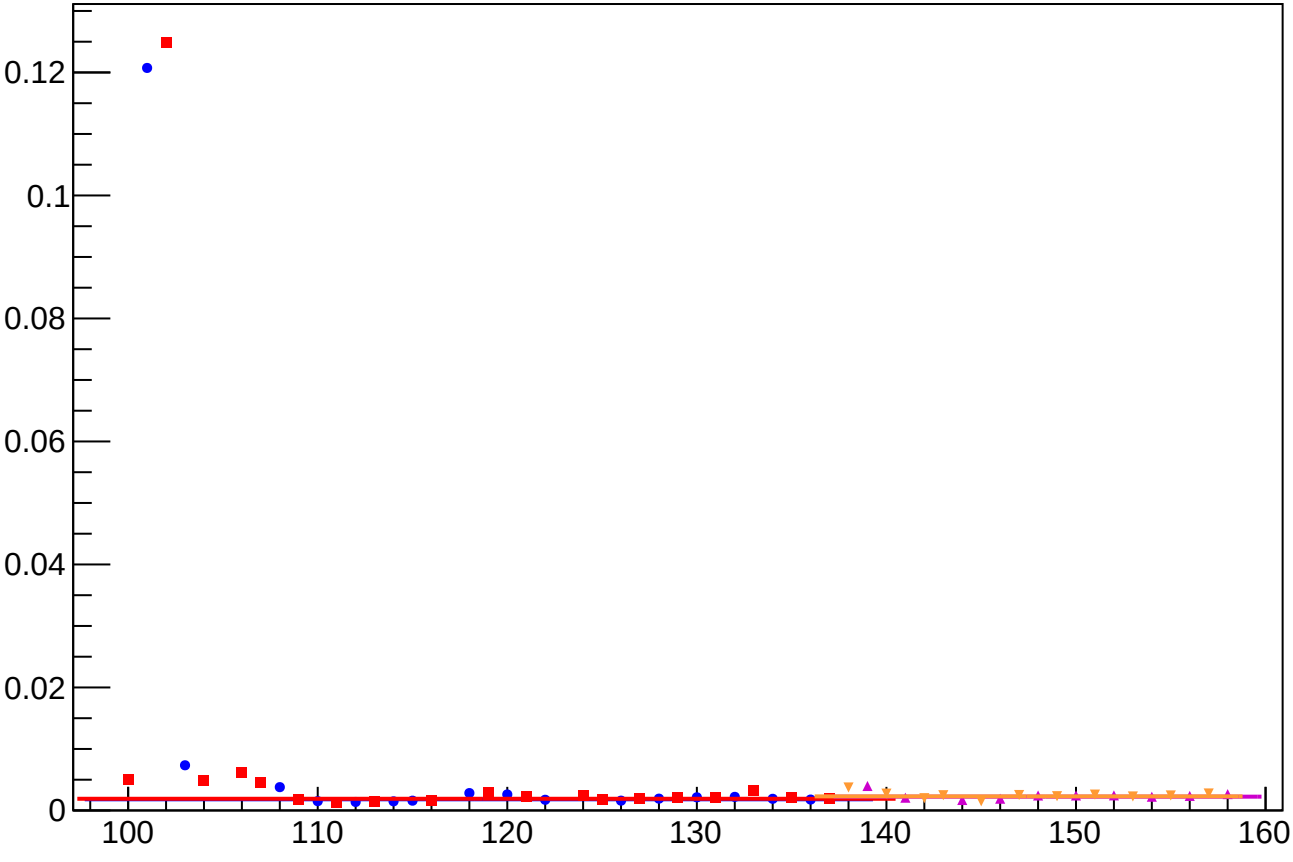
Left In: 2.623+/-0.000 χ^2/NDF:7914118182.0/9

+ sign 2.665+/-0.000 χ^2/NDF: 84864321805.8/26

All: 2.653+/-0.000 χ^2/NDF: 159477078791.8

- sign 2.640+/-0.000 χ^2/NDF: 73733700725.8/28

yield_sam7_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 1822680.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:700430.2/10

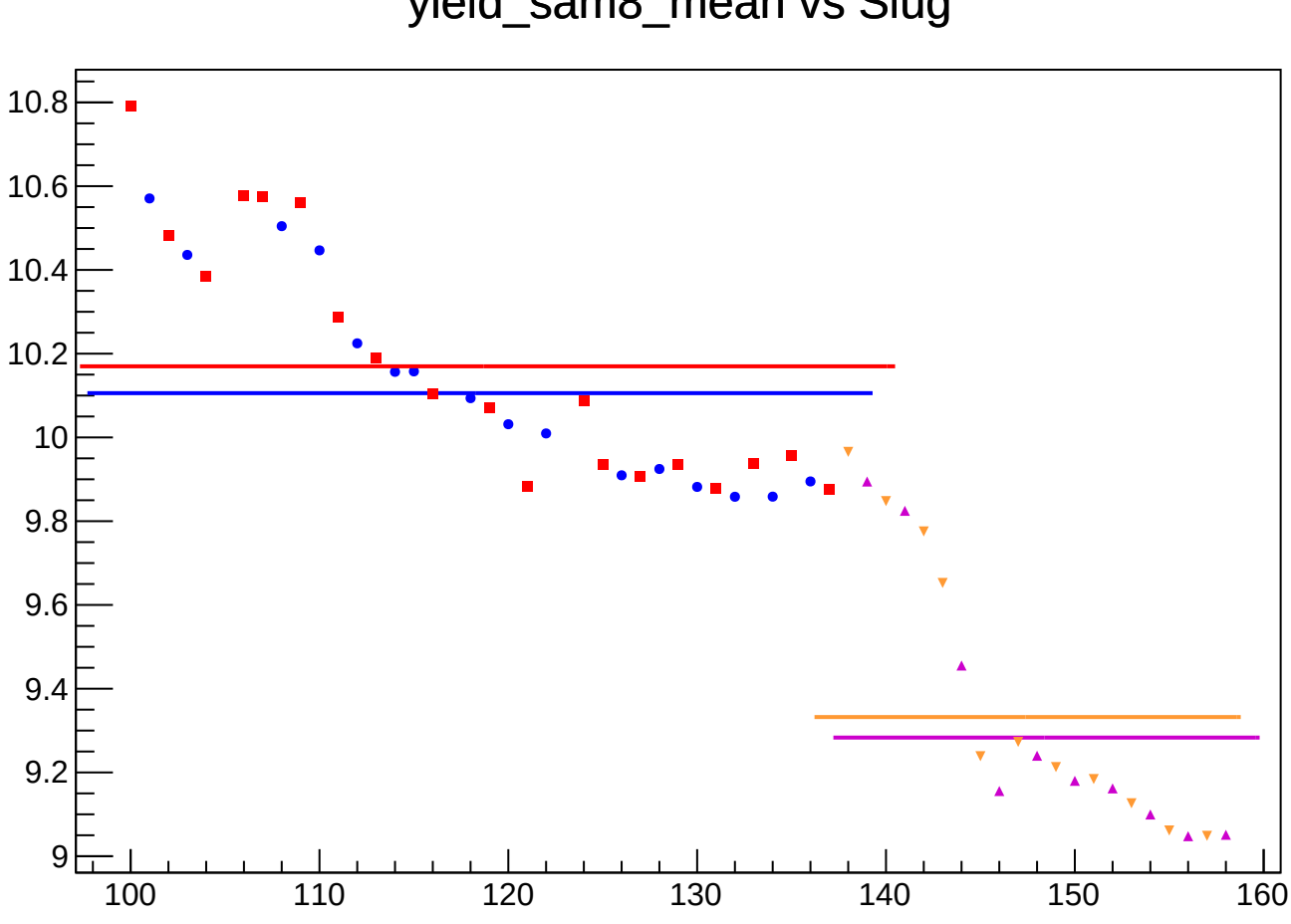
Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

Left In: 0.002+/-0.000 χ^2/NDF:566292.3/9

+ sign 0.002+/-0.000 χ^2/NDF: 2832621.2/26

All: 0.002+/-0.000 χ^2/NDF: 6090937.1/55

- sign 0.002+/-0.000 χ^2/NDF: 3255809.7/28



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 9.332+/-0.000 χ^2/NDF:12760161193.3/10

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

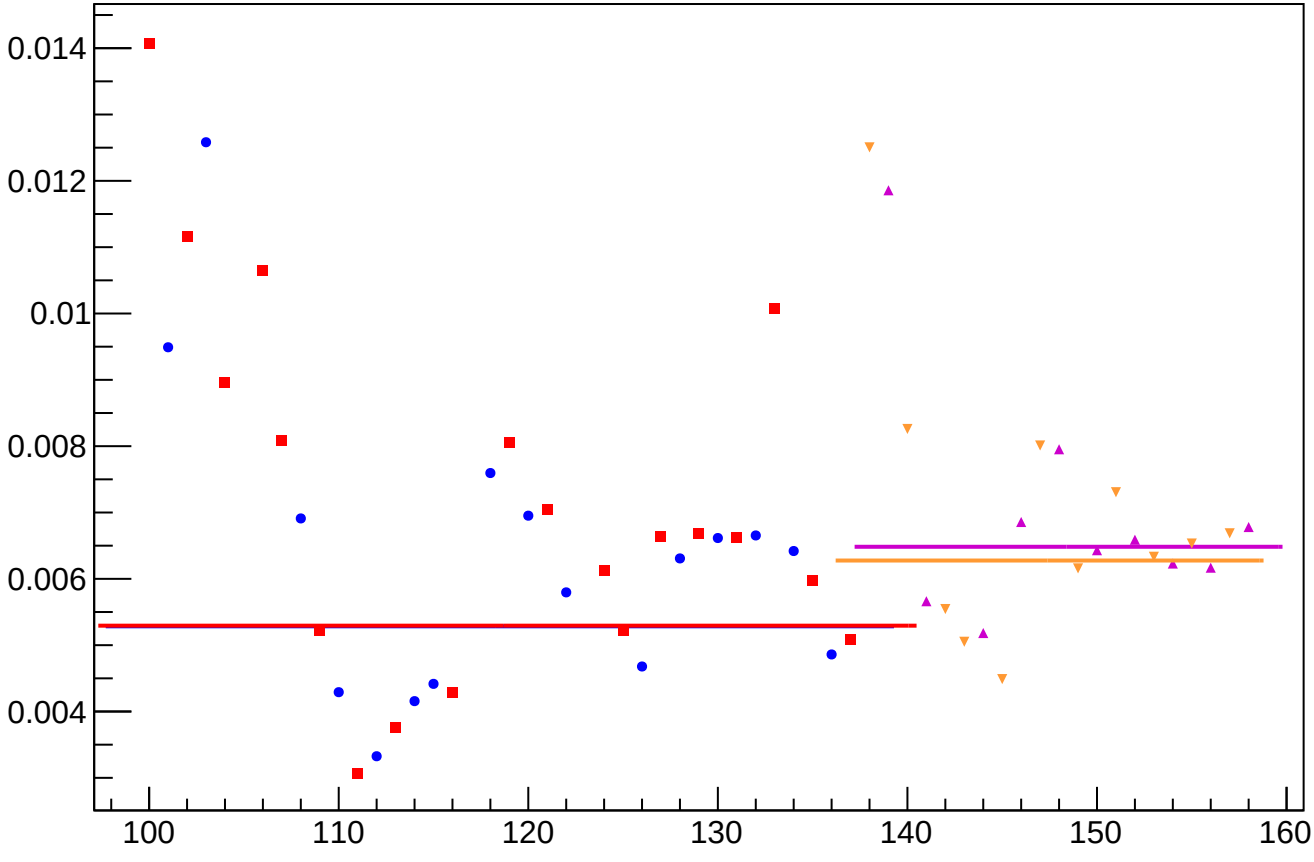
Left In: 9.283+/-0.000 χ^2/NDF:11754720972.2/9

+ sign 9.744+/-0.000 χ^2/NDF: 75959931986.8/26

All: 9.754+/-0.000 χ^2/NDF: 167730493546.0

- sign 9.764+/-0.000 χ^2/NDF: 91699883292.5/28

yield_sam8_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 1274133.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:789564.1/10

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

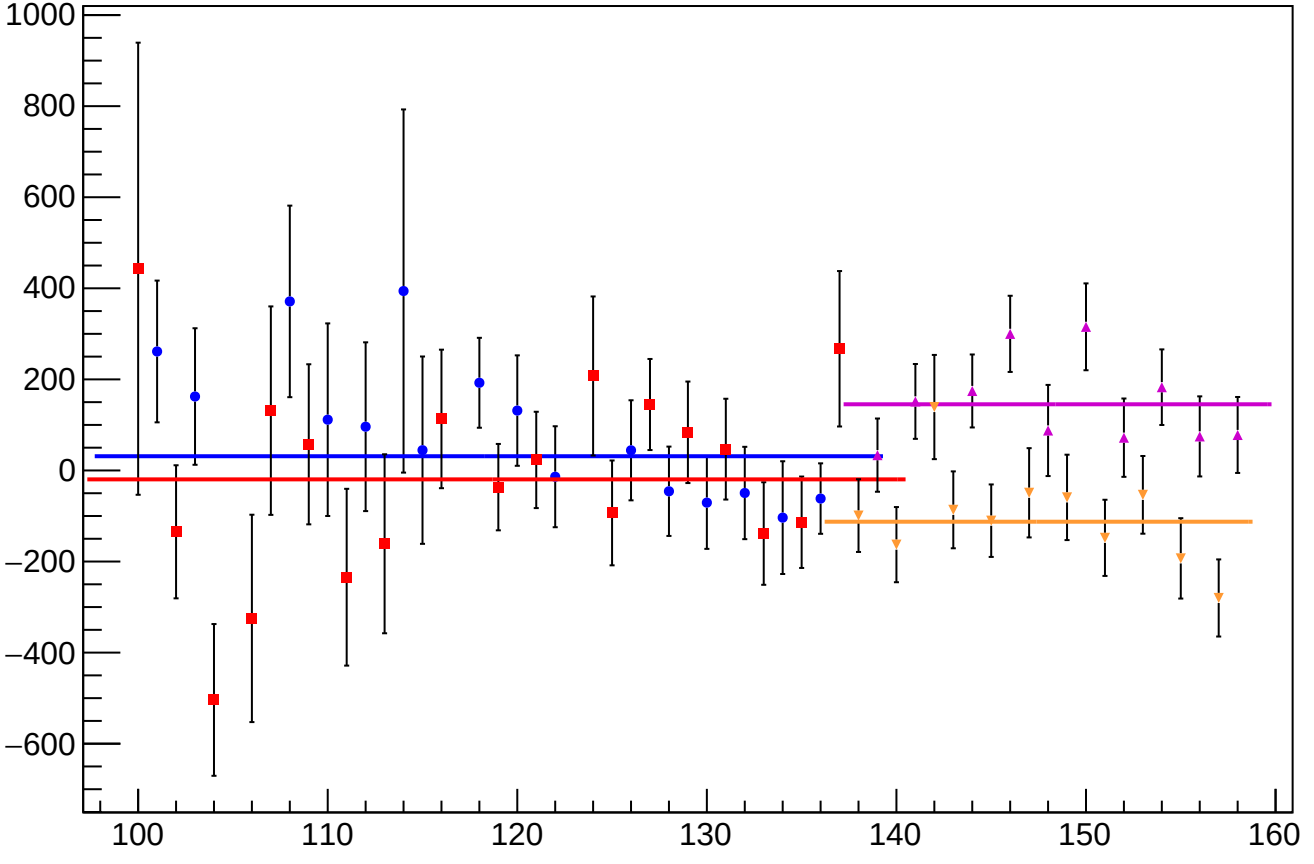
Left In: 0.006+/-0.000 χ^2/NDF:495582.5/9

+ sign 0.006+/-0.000 χ^2/NDF: 2241448.4/26

All: 0.006+/-0.000 χ^2/NDF: 4787190.7/55

- sign 0.006+/-0.000 χ^2/NDF: 2542767.4/28

reg_asym_sam1_mean vs Slug



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -112.549+/-26.315 χ^2/NDF:11.5/10

Right Out: -19.573+/-31.059 χ^2/NDF: 25.9/18

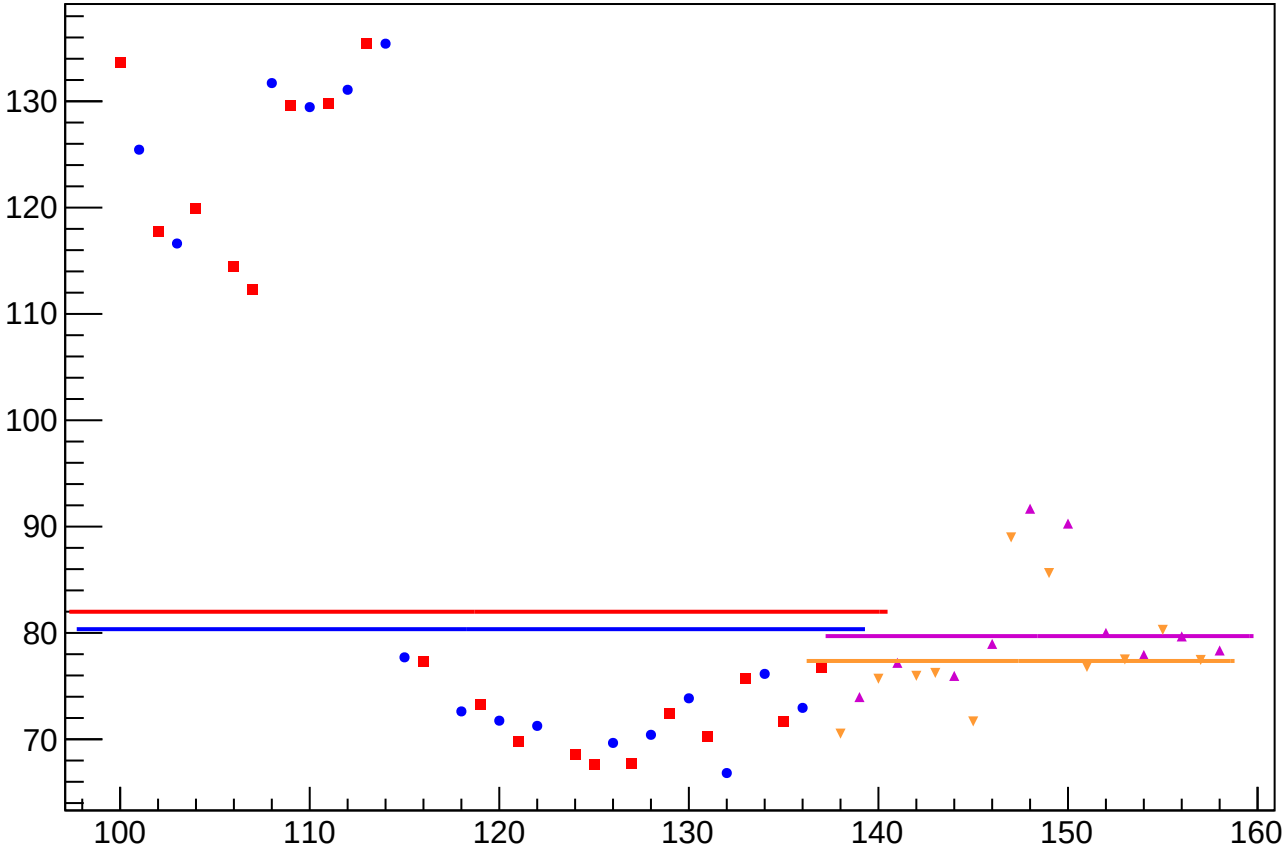
Left In: 145.332+/-27.070 χ^2/NDF:11.2/9

+ sign -51.840+/-20.003 χ^2/NDF: 39.2/26

All: 9.893+/-14.285 χ^2/NDF: 111.8/55

- sign 74.141+/-20.407 χ^2/NDF: 53.1/28

reg_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 77.363+/-0.019 χ^2/NDF:72294.6/10

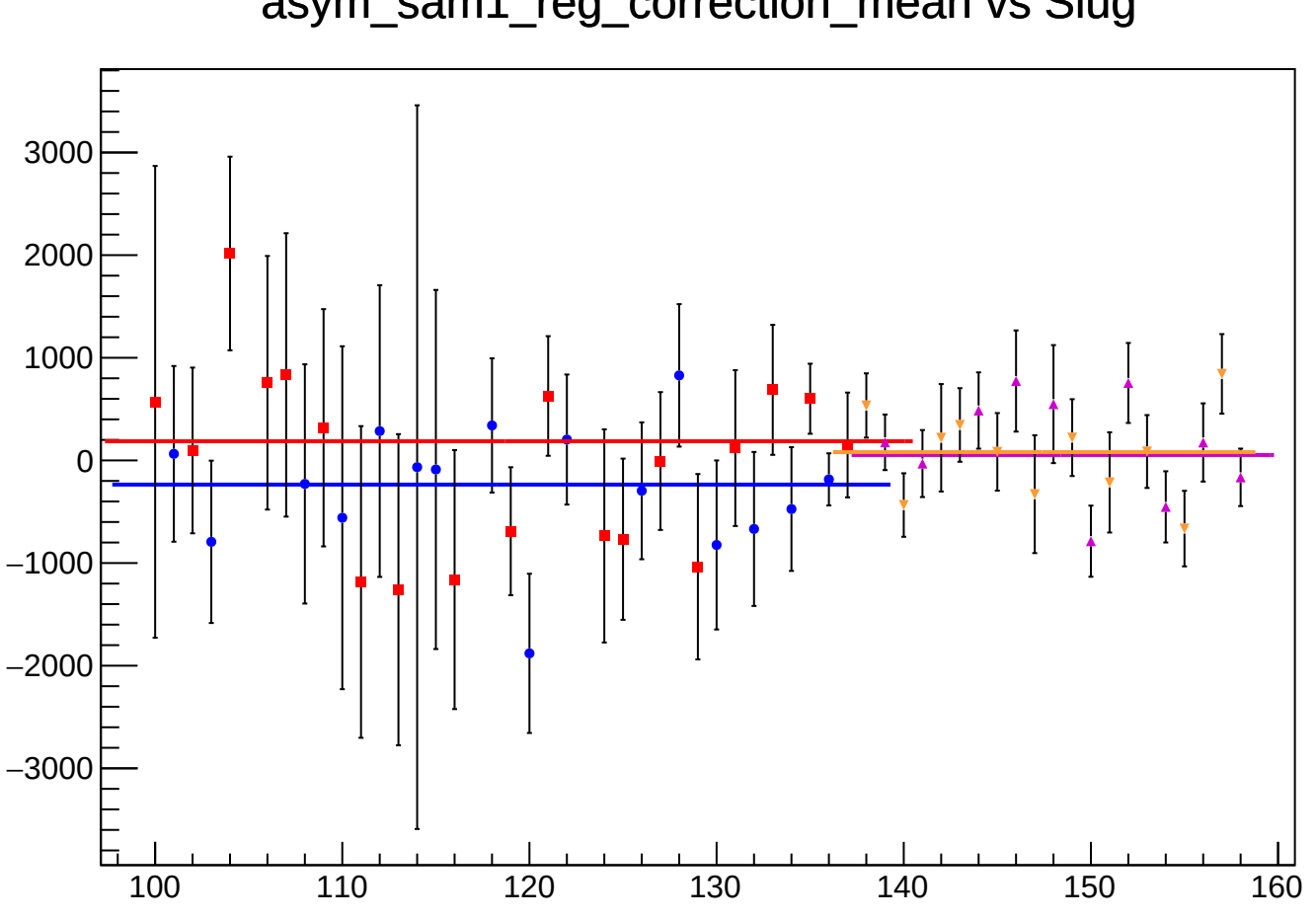
Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

Left In: 79.702+/-0.019 χ^2/NDF:71308.4/9

+ sign 78.626+/-0.014 χ^2/NDF: 923238.3/26

All: 79.638+/-0.010 χ^2/NDF: 1943512.8/55

- sign 80.691+/-0.014 χ^2/NDF: 1009828.8/28



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 80.566+/-115.153 χ^2/NDF:14.5/10

Right Out: 186.618+/-170.394 χ^2/NDF: 16.0/18

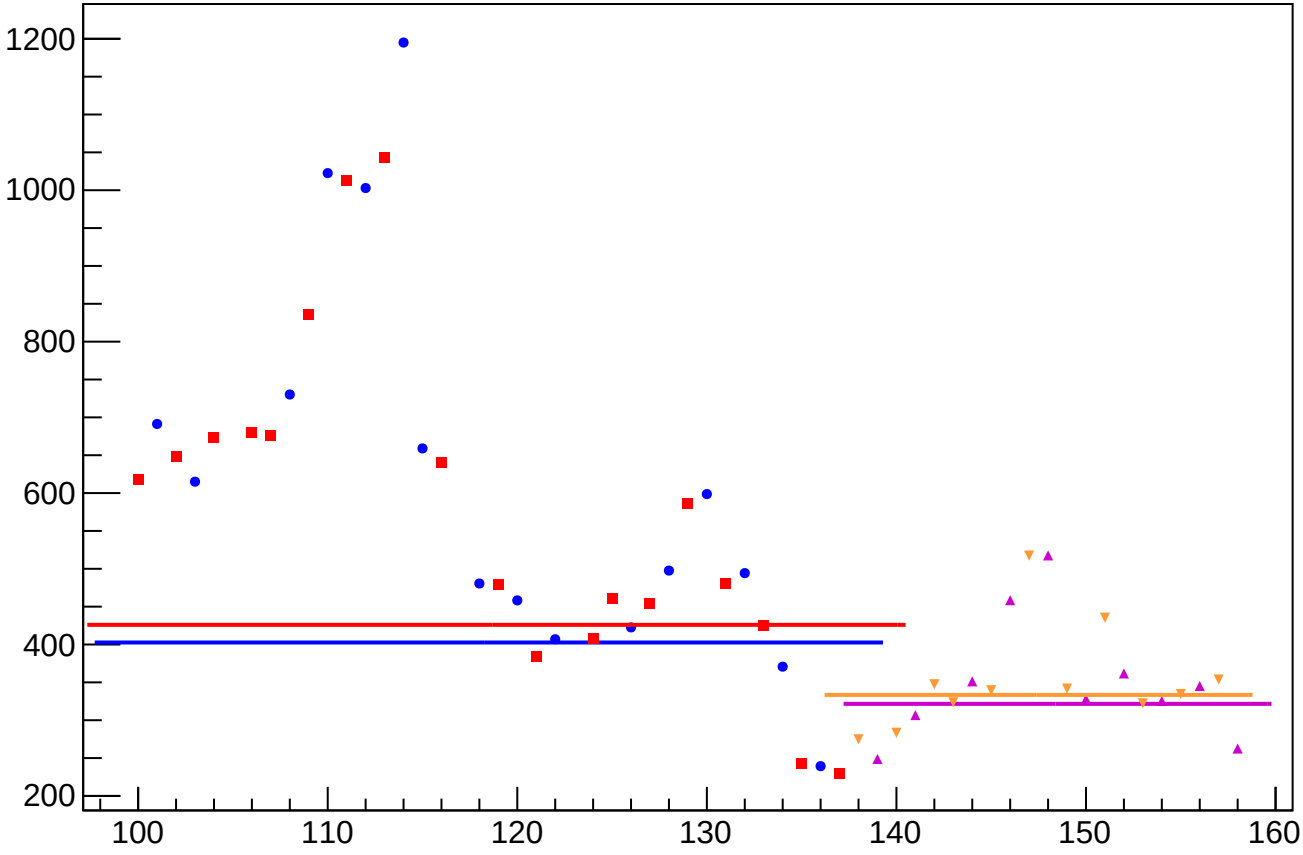
Left In: 52.773+/-111.606 χ^2/NDF:16.5/9

+ sign -24.012+/-94.197 χ^2/NDF: 26.9/26

All: 34.992+/-66.310 χ^2/NDF: 60.6/55

- sign 92.955+/-93.362 χ^2/NDF: 32.9/28

asym_sam1_reg_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 333.424+/-0.081 χ^2/NDF:427097.2/10

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

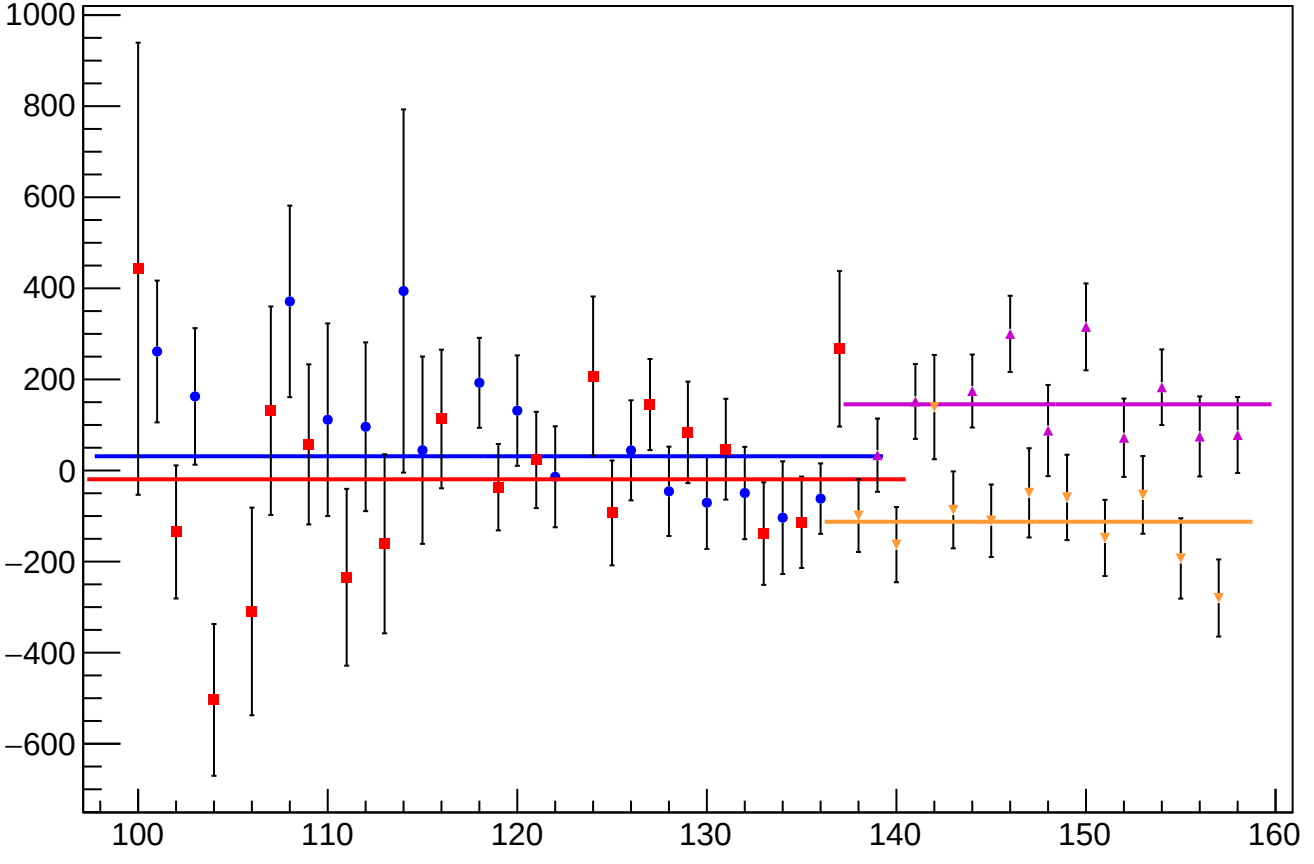
Left In: 321.618+/-0.079 χ^2/NDF:666783.2/9

+ sign 356.330+/-0.067 χ^2/NDF: 3026378.7/26

All: 354.625+/-0.047 χ^2/NDF: 6588260.4/55

- sign 352.949+/-0.066 χ^2/NDF: 3560581.8/28

cor_asym_sam1_mean vs Slug



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -112.547+/-26.315 χ^2/NDF:11.5/10

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

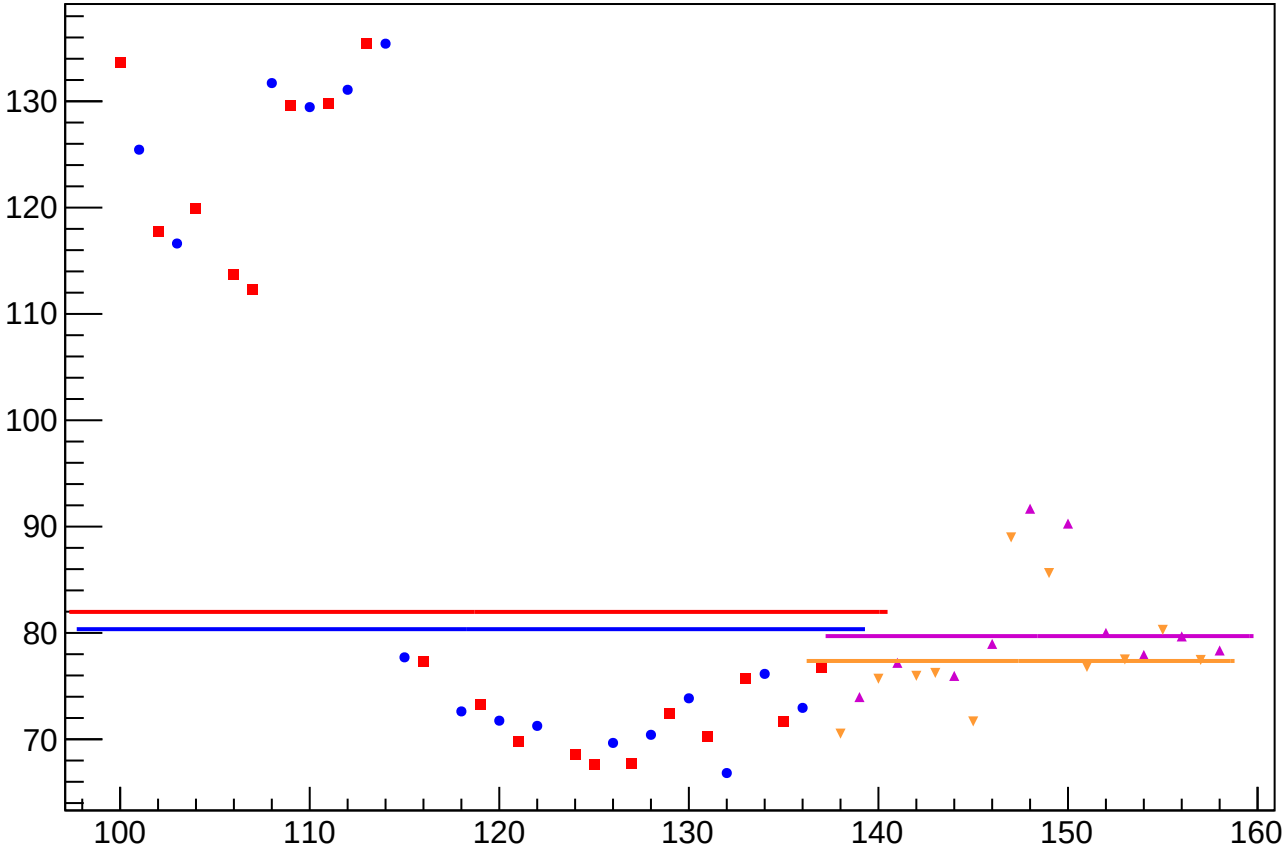
Left In: 145.334+/-27.070 χ^2/NDF:11.2/9

+ sign -51.835+/-20.003 χ^2/NDF: 39.2/26

All: 9.958+/-14.285 χ^2/NDF: 111.6/55

- sign 74.271+/-20.407 χ^2/NDF: 52.9/28

cor_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 77.363+/-0.019 χ^2/NDF:72294.6/10

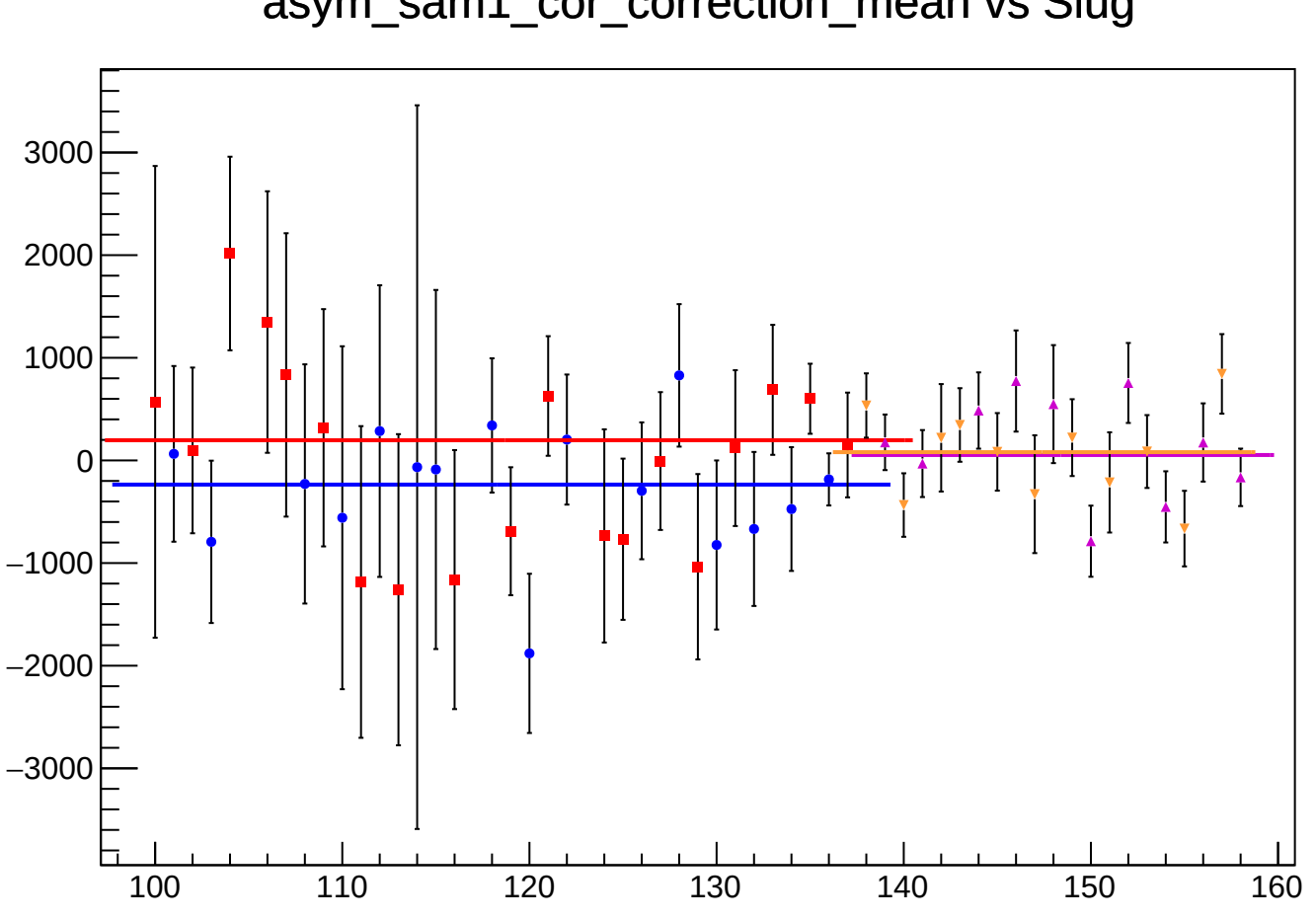
Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.702+/-0.019 χ^2/NDF:71308.4/9

+ sign 78.626+/-0.014 χ^2/NDF: 923238.5/26

All: 79.635+/-0.010 χ^2/NDF: 1941494.6/55

- sign 80.685+/-0.014 χ^2/NDF: 1007876.5/28



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 80.565+/-115.153 χ^2/NDF:14.5/10

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

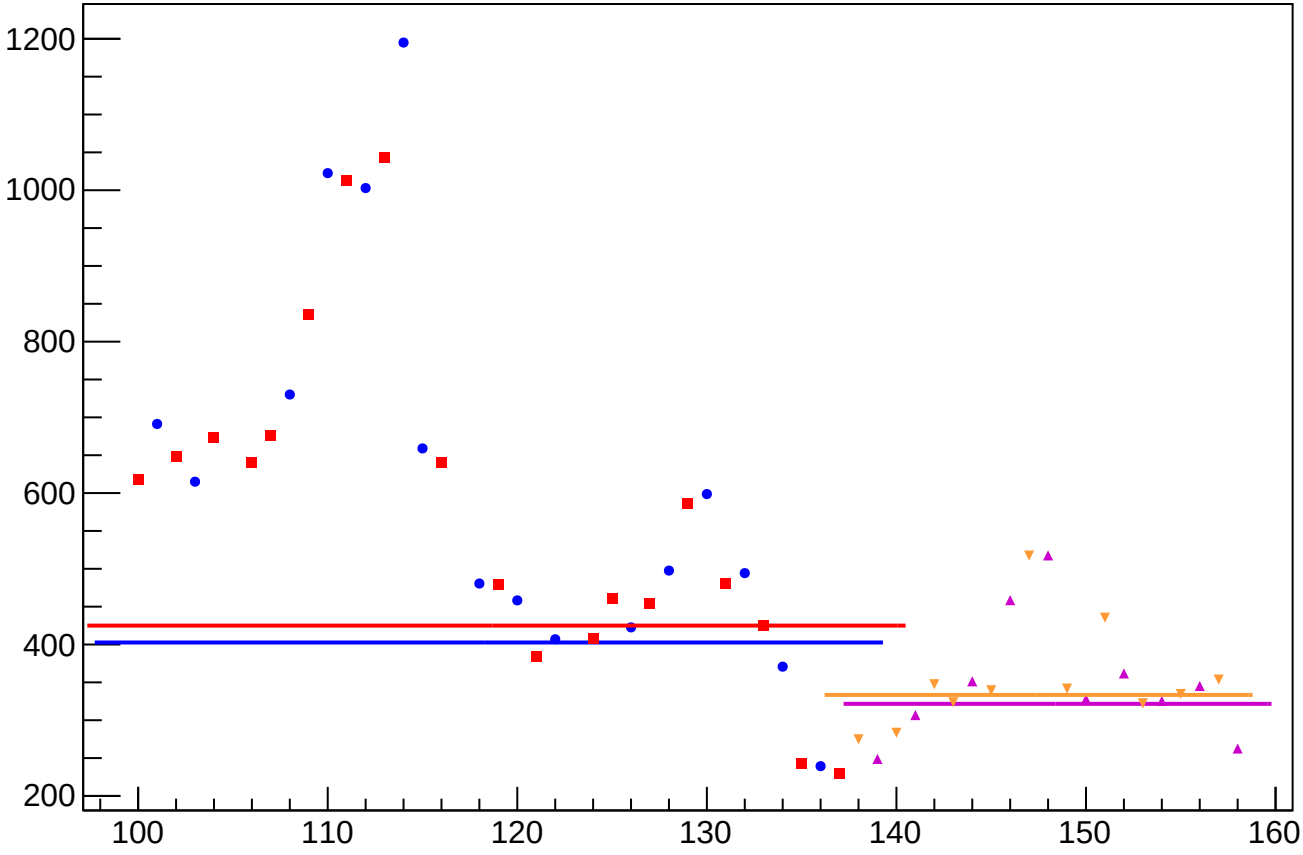
Left In: 52.777+/-111.606 χ^2/NDF:16.5/9

+ sign -24.012+/-94.197 χ^2/NDF: 26.9/26

All: 36.474+/-66.316 χ^2/NDF: 61.3/55

- sign 95.914+/-93.378 χ^2/NDF: 33.5/28

asym_sam1_cor_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 333.424+/-0.081 χ^2/NDF:427102.8/10

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

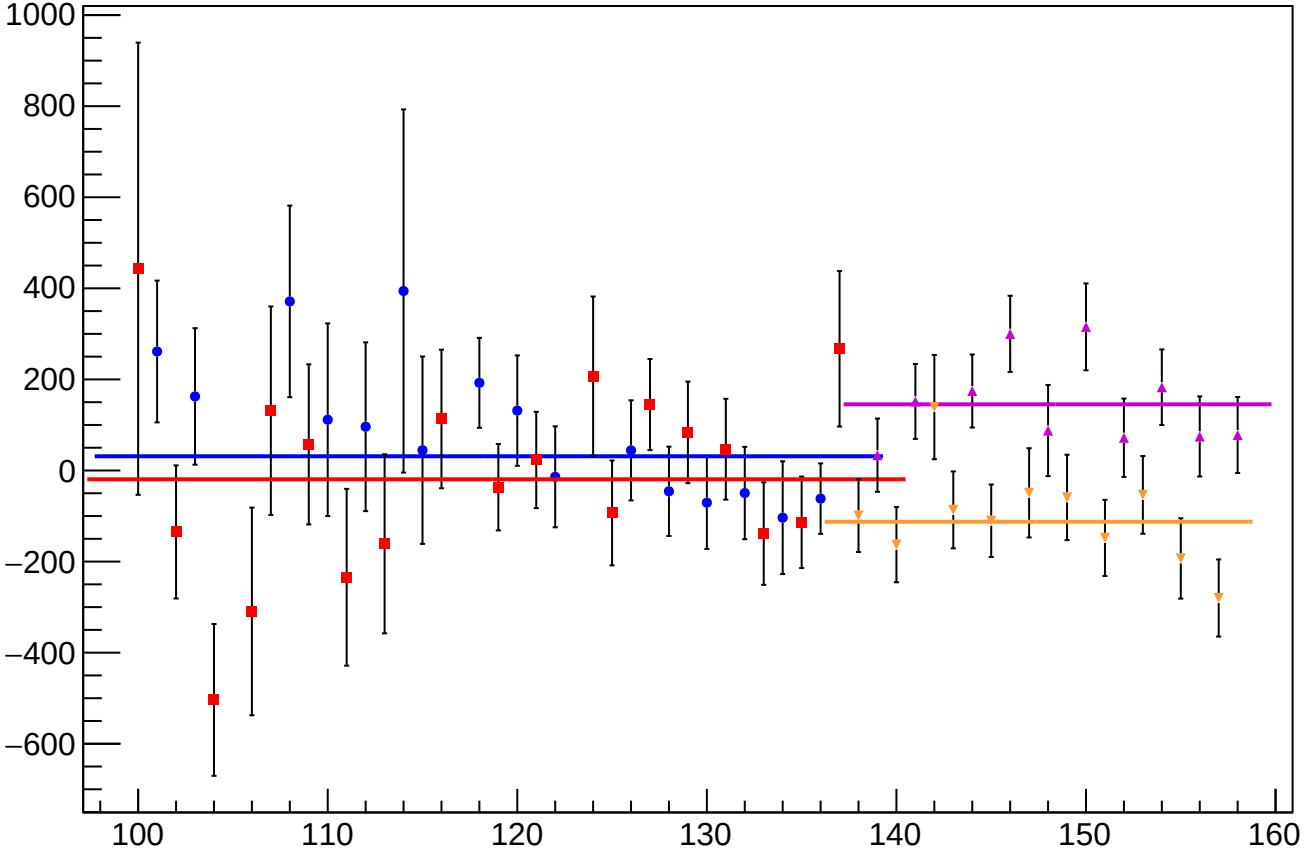
Left In: 321.619+/-0.079 χ^2/NDF:666783.4/9

+ sign 356.330+/-0.067 χ^2/NDF: 3026382.0/26

All: 354.462+/-0.047 χ^2/NDF: 6550408.1/55

- sign 352.627+/-0.066 χ^2/NDF: 3522466.8/28

eigen_cor_asym_sam1_mean vs Slug



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -112.547+/-26.315 χ^2/NDF:11.5/10

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

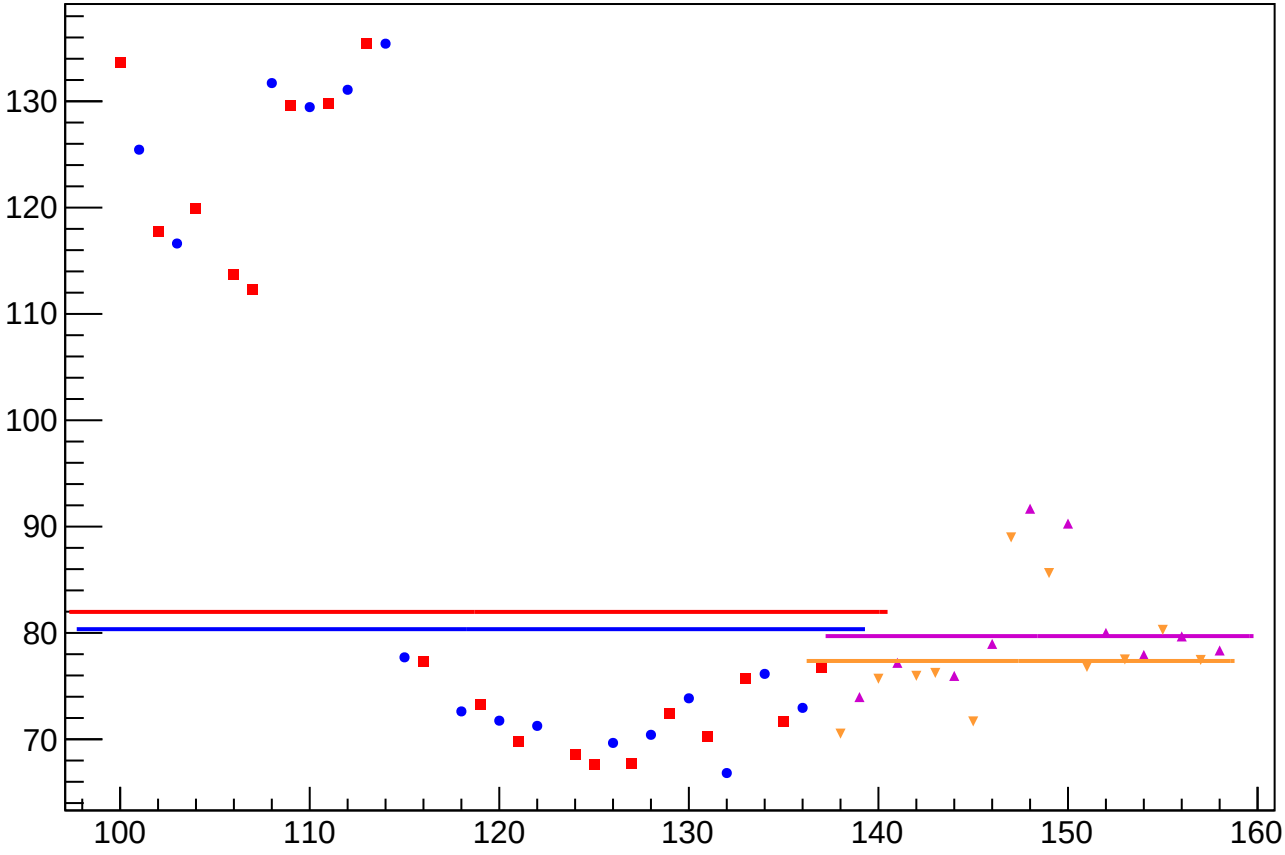
Left In: 145.334+/-27.070 χ^2/NDF:11.2/9

+ sign -51.835+/-20.003 χ^2/NDF: 39.2/26

All: 9.958+/-14.285 χ^2/NDF: 111.6/55

- sign 74.271+/-20.407 χ^2/NDF: 52.9/28

eigen_cor_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 77.363+/-0.019 χ^2/NDF:72294.6/10

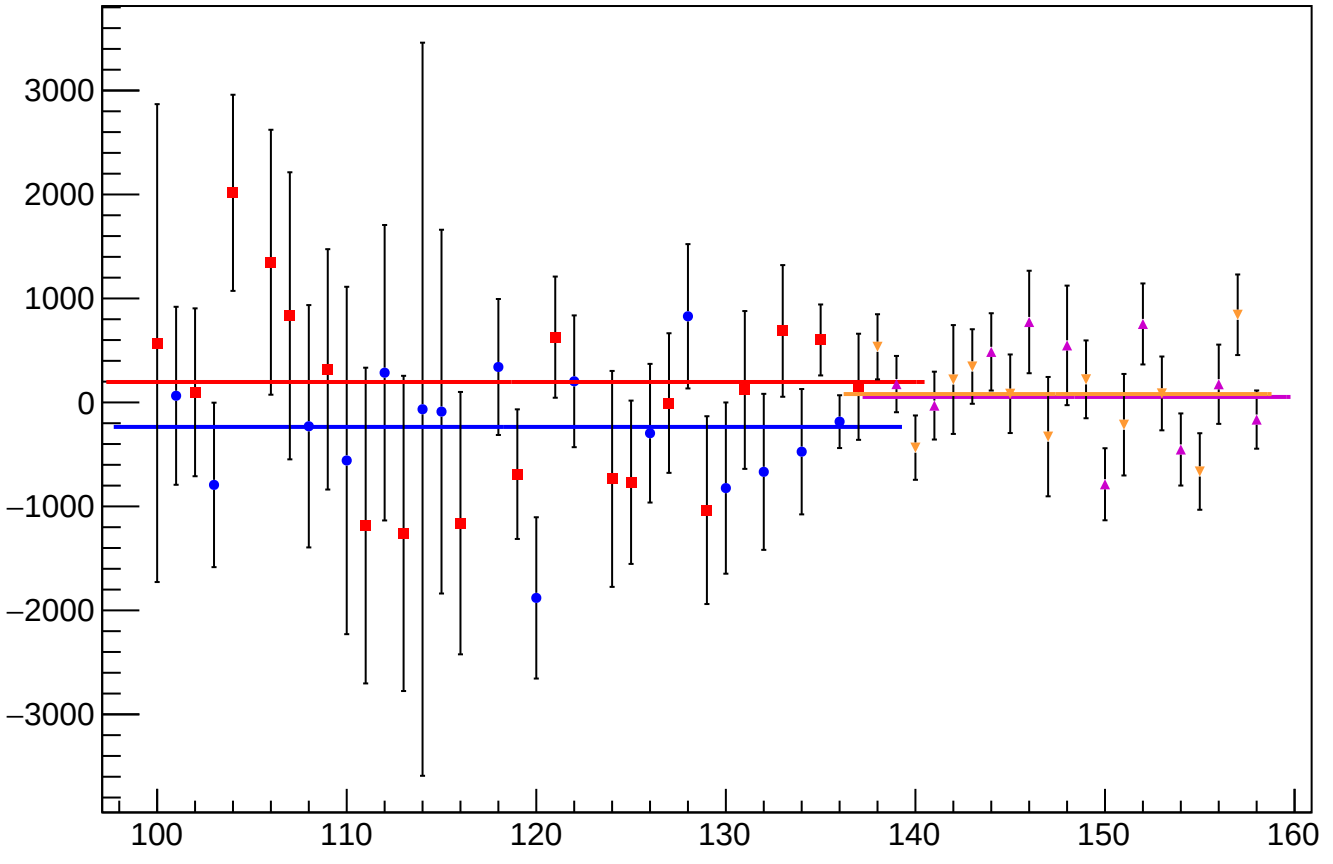
Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.702+/-0.019 χ^2/NDF:71308.4/9

+ sign 78.626+/-0.014 χ^2/NDF: 923238.5/26

All: 79.635+/-0.010 χ^2/NDF: 1941494.6/55

- sign 80.685+/-0.014 χ^2/NDF: 1007876.5/28



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 80.565+/-115.153 χ^2/NDF:14.5/10

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

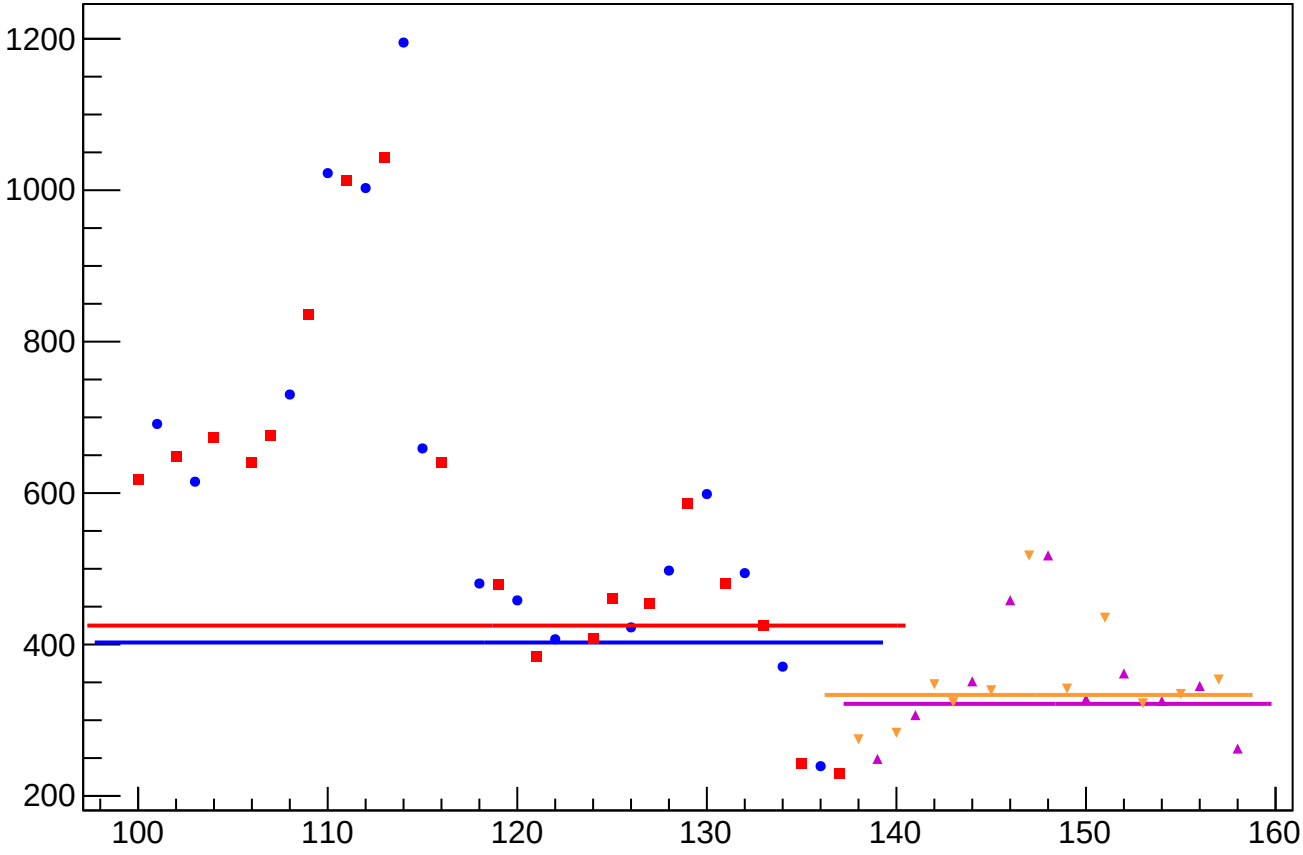
Left In: 52.777+/-111.606 χ^2/NDF:16.5/9

+ sign -24.012+/-94.197 χ^2/NDF: 26.9/26

All: 36.474+/-66.316 χ^2/NDF: 61.3/55

- sign 95.914+/-93.378 χ^2/NDF: 33.5/28

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 333.424+/-0.081 χ^2/NDF:427102.8/10

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

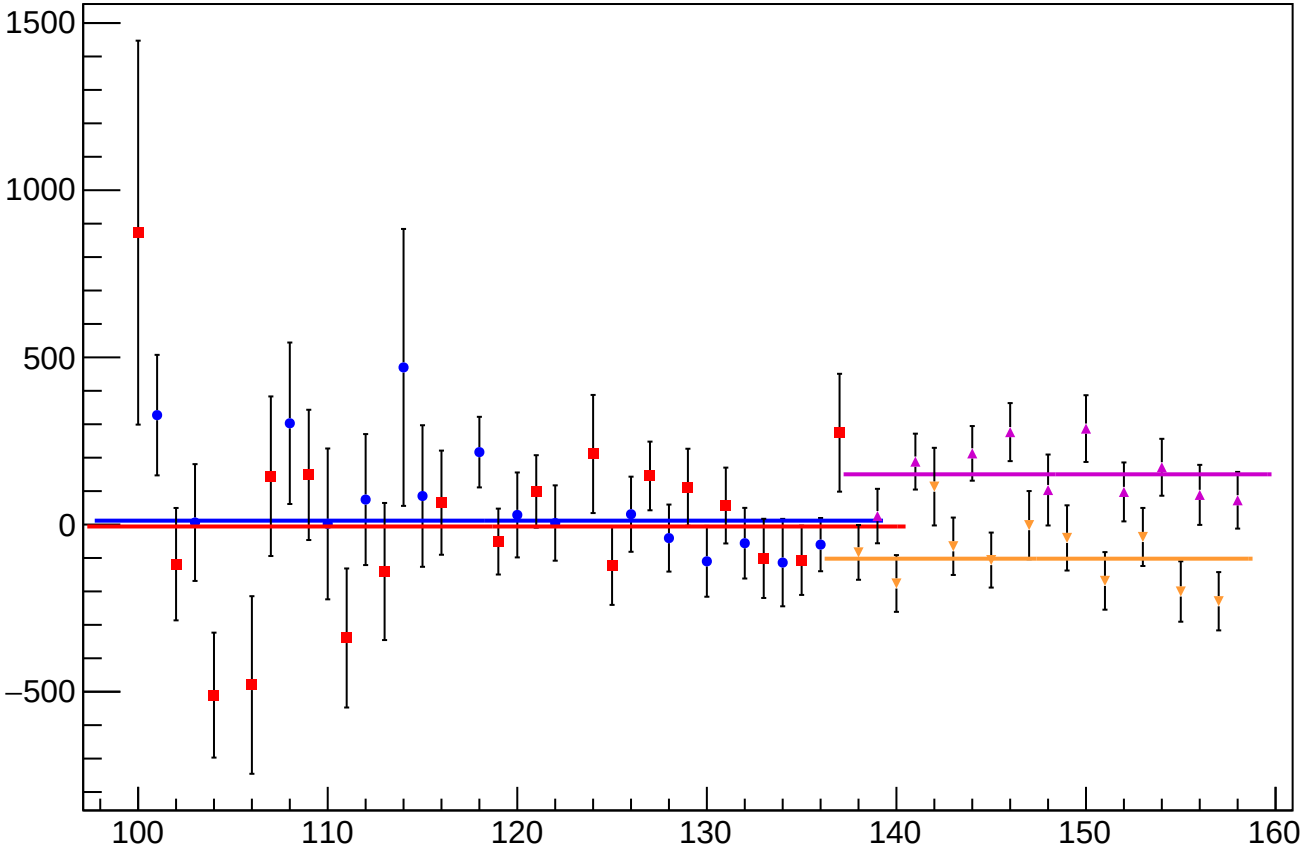
Left In: 321.619+/-0.079 χ^2/NDF:666783.4/9

+ sign 356.330+/-0.067 χ^2/NDF: 3026382.0/26

All: 354.462+/-0.047 χ^2/NDF: 6550408.1/55

- sign 352.627+/-0.066 χ^2/NDF: 3522466.8/28

dit_asym_sam1_mean vs Slug



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -102.097+/-27.032 χ^2/NDF:10.3/10

Right Out: -5.817+/-32.444 χ^2/NDF: 28.8/18

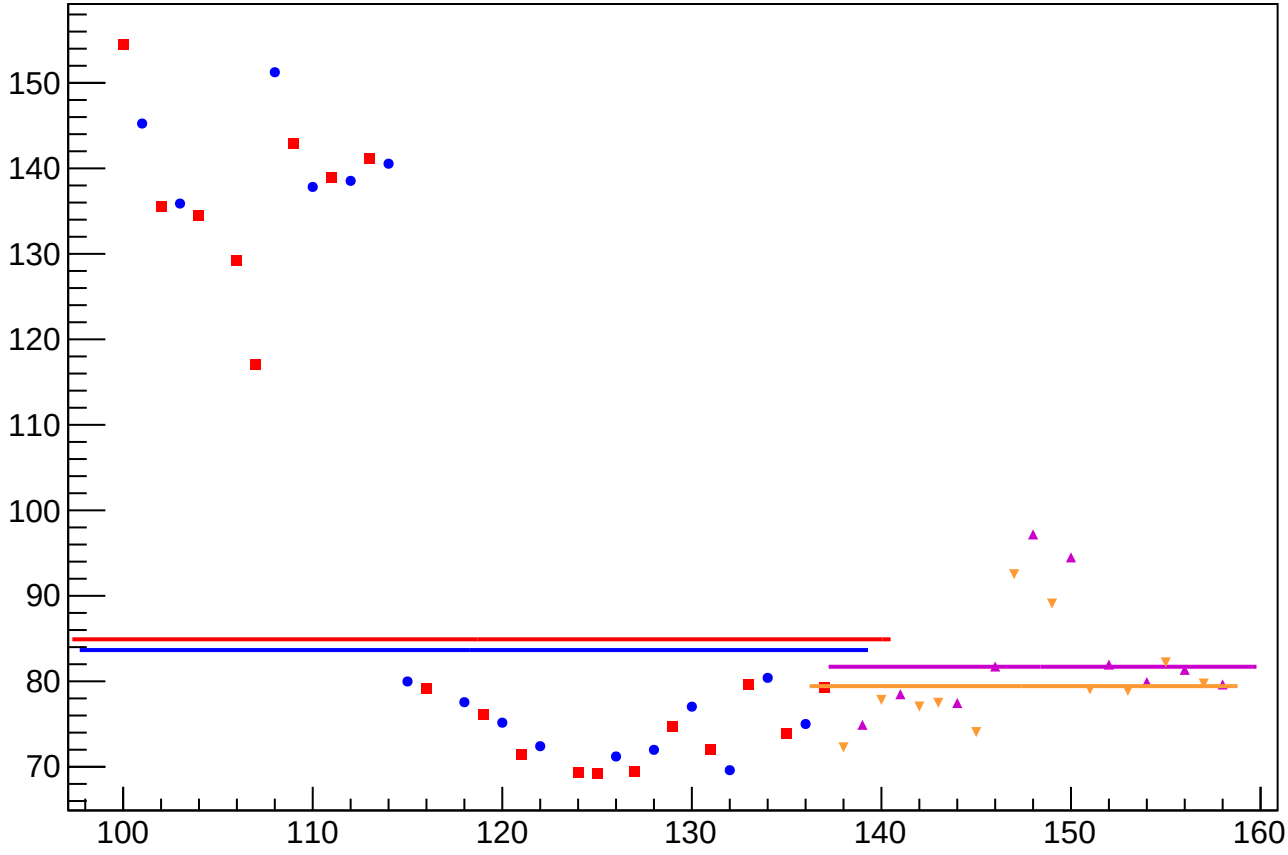
Left In: 150.256+/-27.783 χ^2/NDF:9.1/9

+ sign -55.239+/-20.729 χ^2/NDF: 31.1/26

All: 13.249+/-14.788 χ^2/NDF: 104.5/55

- sign 84.226+/-21.103 χ^2/NDF: 51.2/28

dit_asym_sam1_rms vs Slug



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 79.436+/-0.019 χ^2/NDF:81096.3/10

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

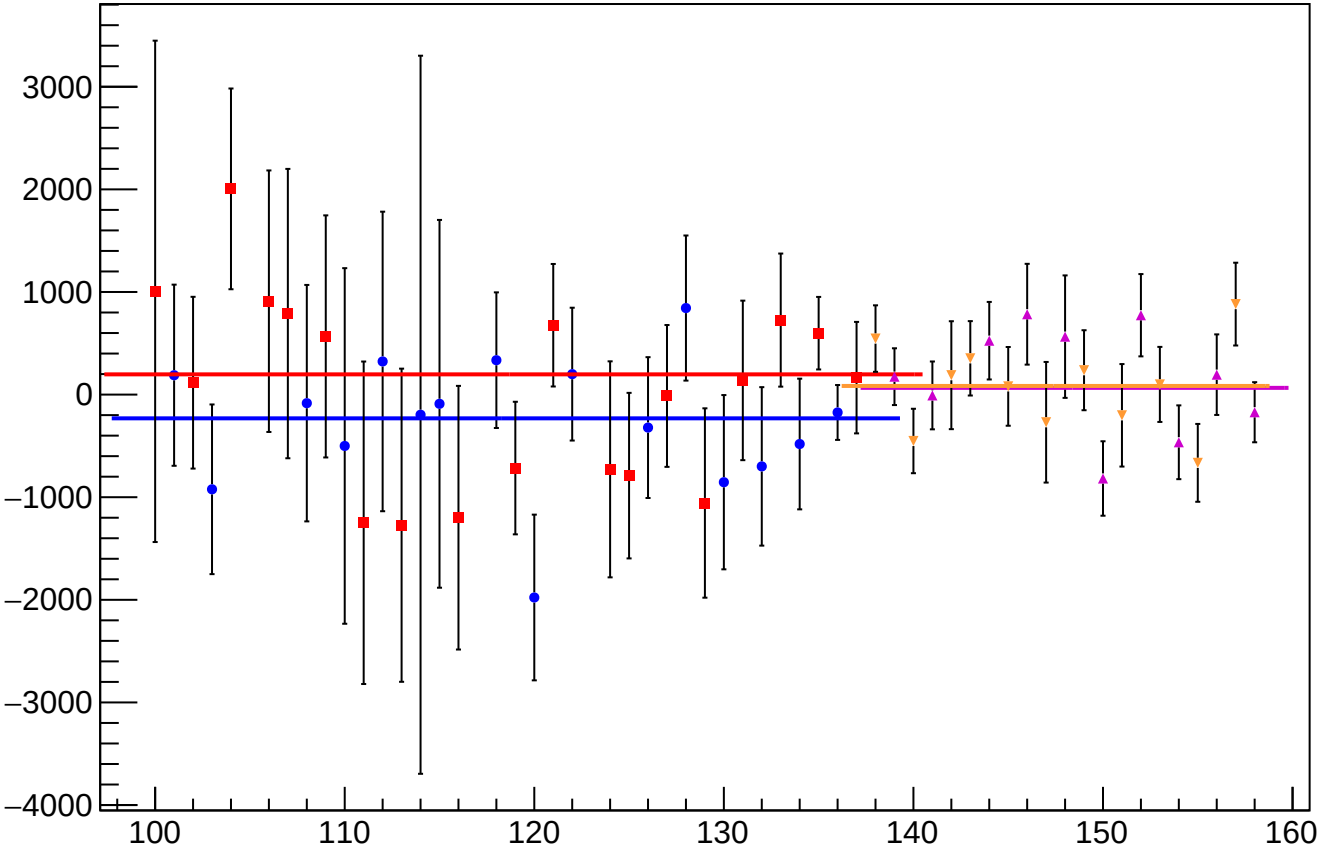
Left In: 81.704+/-0.020 χ^2/NDF:99813.4/9

+ sign 81.175+/-0.015 χ^2/NDF: 1135975.6/26

All: 82.102+/-0.010 χ^2/NDF: 2376881.1/55

- sign 83.062+/-0.015 χ^2/NDF: 1232771.0/28

asym_sam1_dit_correction_mean vs Slug



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 84.257+/-118.059 χ^2/NDF:14.2/10

Right Out: 197.206+/-176.091 χ^2/NDF: 15.9/18

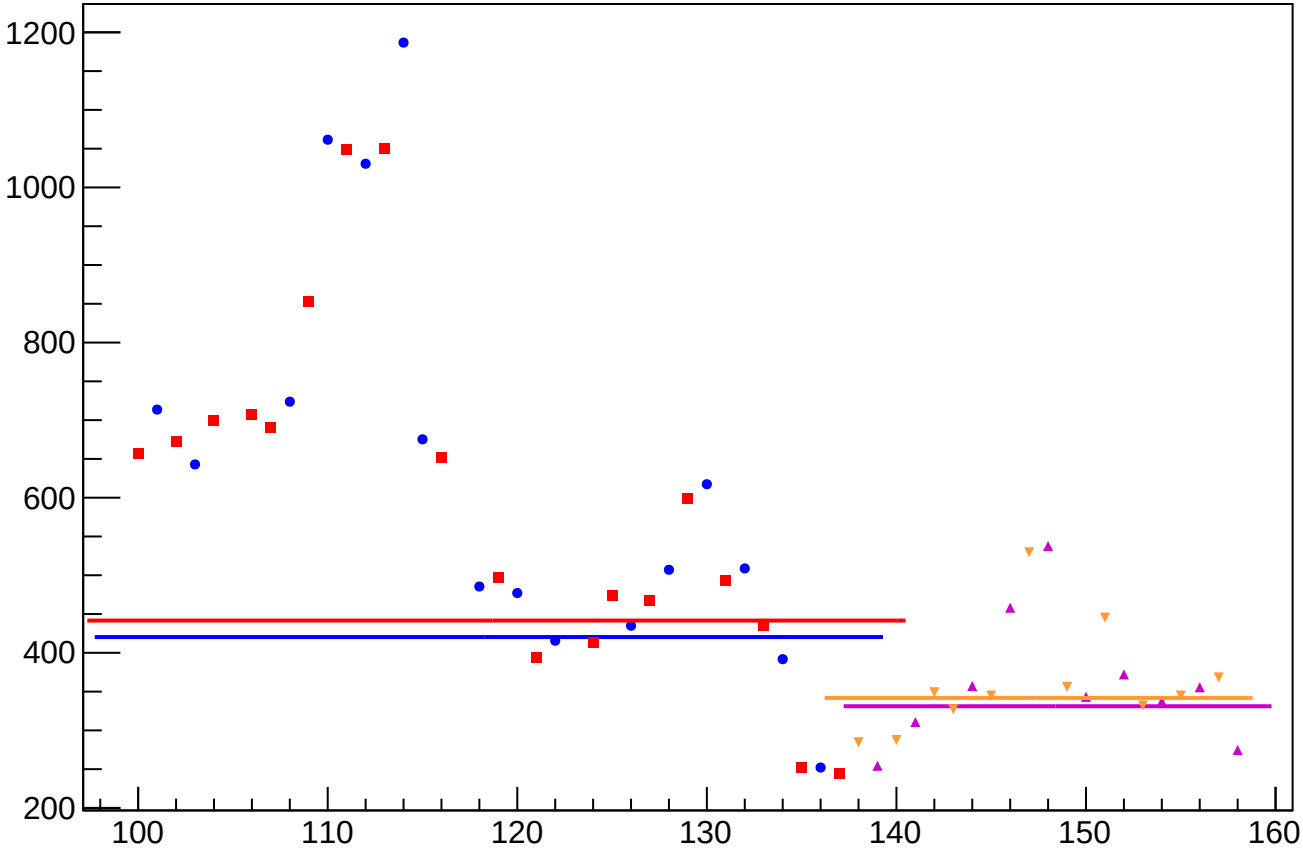
Left In: 65.630+/-114.803 χ^2/NDF:16.5/9

+ sign -18.341+/-96.994 χ^2/NDF: 26.9/26

All: 43.792+/-68.292 χ^2/NDF: 60.5/55

- sign 104.874+/-96.170 χ^2/NDF: 32.8/28

asym_sam1_dit_correction_rms vs Slug



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 341.868+/-0.083 χ^2/NDF:428583.7/10

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

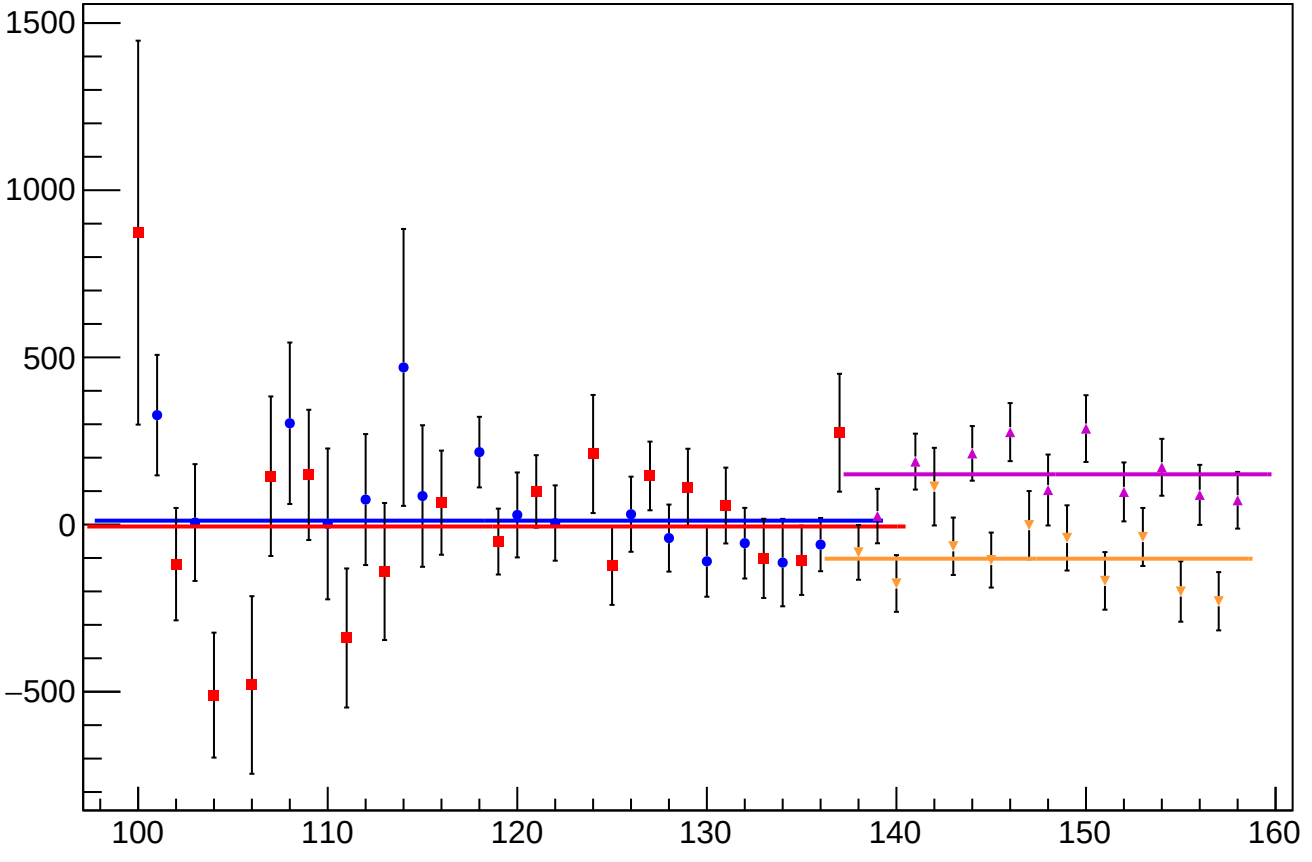
Left In: 331.114+/-0.081 χ^2/NDF:650193.6/9

+ sign 367.370+/-0.069 χ^2/NDF: 2970307.0/26

All: 365.705+/-0.048 χ^2/NDF: 6481748.1/55

- sign 364.067+/-0.068 χ^2/NDF: 3510272.0/28

eigen_dit_asym_sam1_mean vs Slug



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -102.096+/-27.032 χ^2/NDF:10.3/10

Right Out: -5.816+/-32.444 χ^2/NDF: 28.8/18

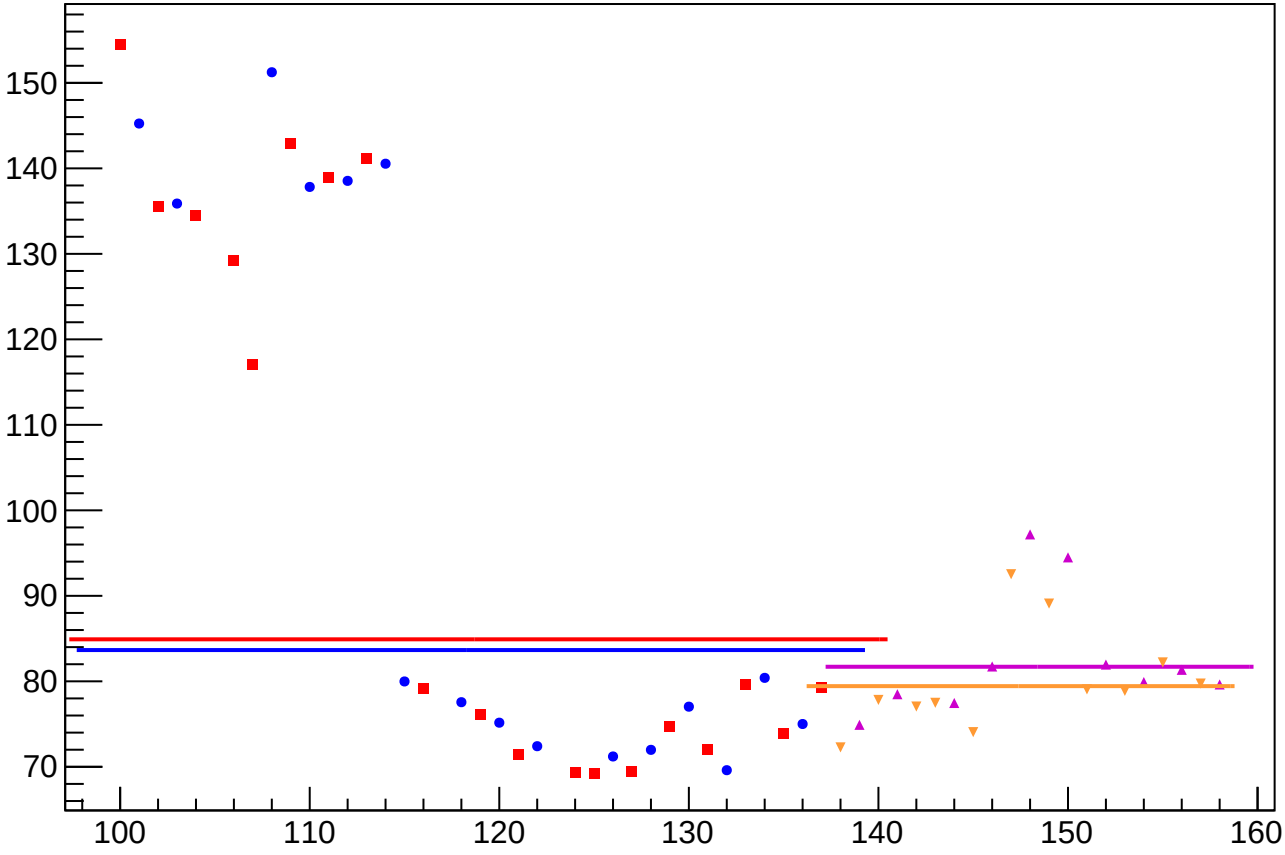
Left In: 150.256+/-27.783 χ^2/NDF:9.1/9

+ sign -55.238+/-20.729 χ^2/NDF: 31.1/26

All: 13.250+/-14.788 χ^2/NDF: 104.5/55

- sign 84.226+/-21.103 χ^2/NDF: 51.2/28

eigen_dit_asym_sam1_rms vs Slug



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 79.436+/-0.019 χ^2/NDF:81095.9/10

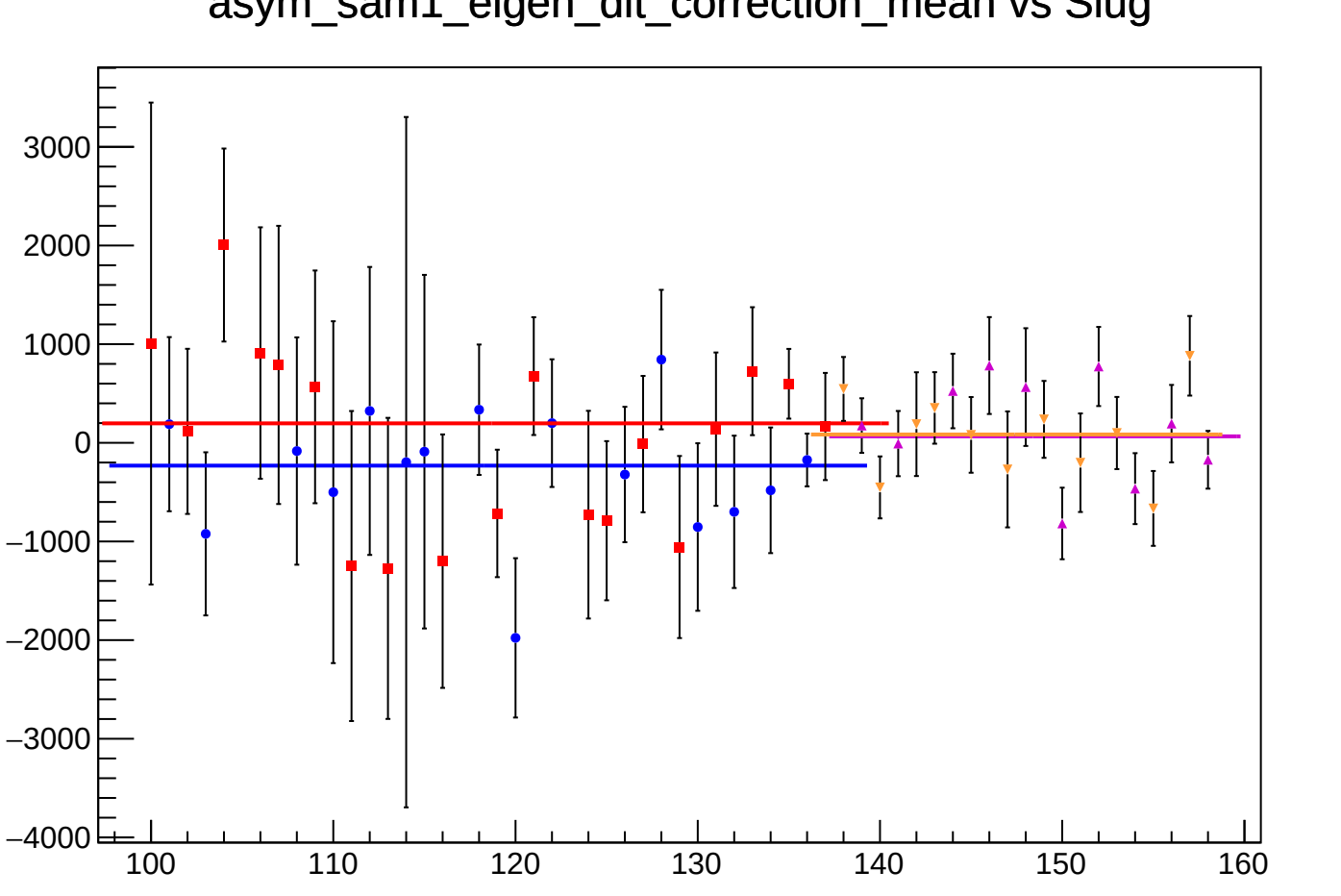
Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

Left In: 81.704+/-0.020 χ^2/NDF:99812.7/9

+ sign 81.175+/-0.015 χ^2/NDF: 1135974.0/26

All: 82.102+/-0.010 χ^2/NDF: 2376877.2/55

- sign 83.062+/-0.015 χ^2/NDF: 1232768.7/28



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 84.257+/-118.059 χ^2/NDF:14.2/10

Right Out: 197.207+/-176.091 χ^2/NDF: 15.9/18

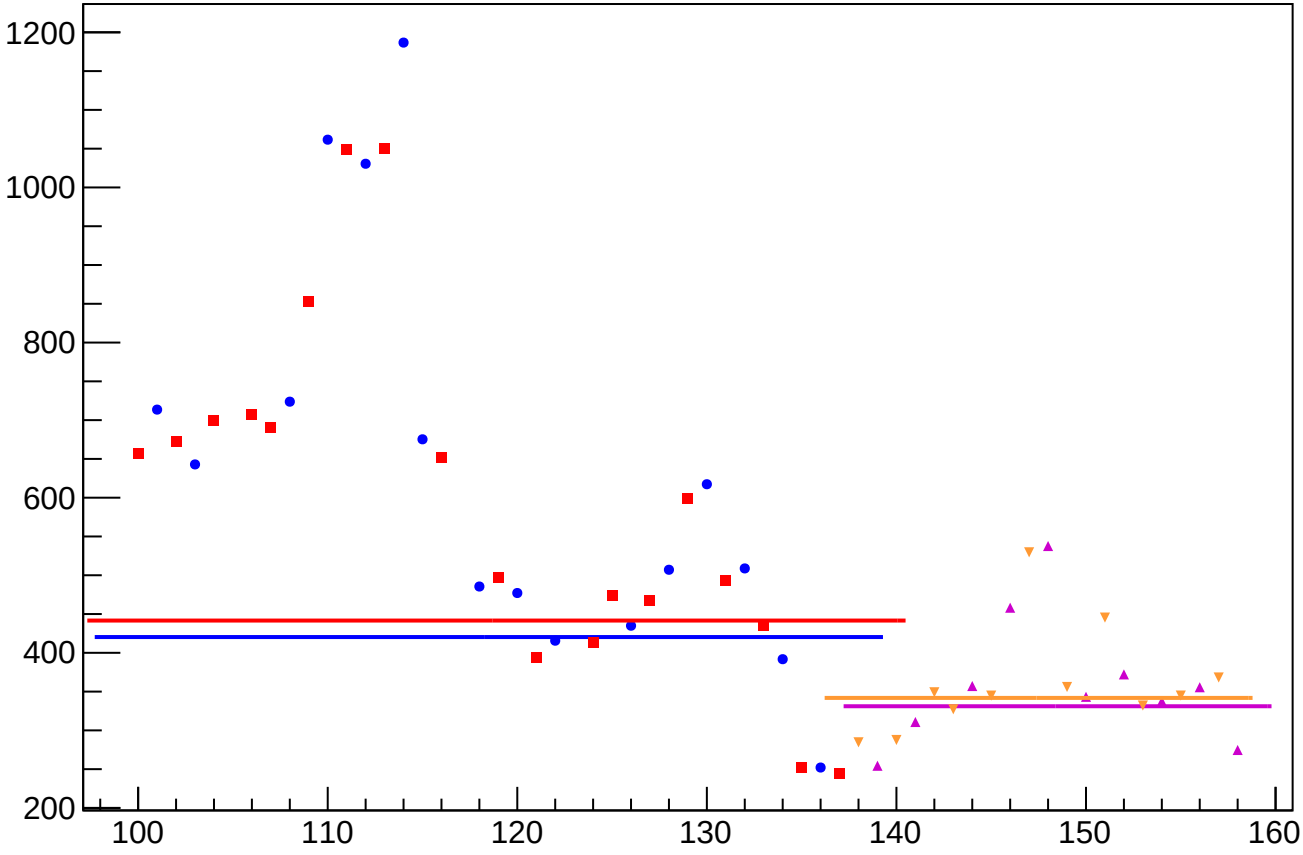
Left In: 65.630+/-114.803 χ^2/NDF:16.5/9

+ sign -18.341+/-96.994 χ^2/NDF: 26.9/26

All: 43.793+/-68.292 χ^2/NDF: 60.5/55

- sign 104.875+/-96.170 χ^2/NDF: 32.8/28

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 341.868+/-0.083 χ^2/NDF:428583.8/10

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

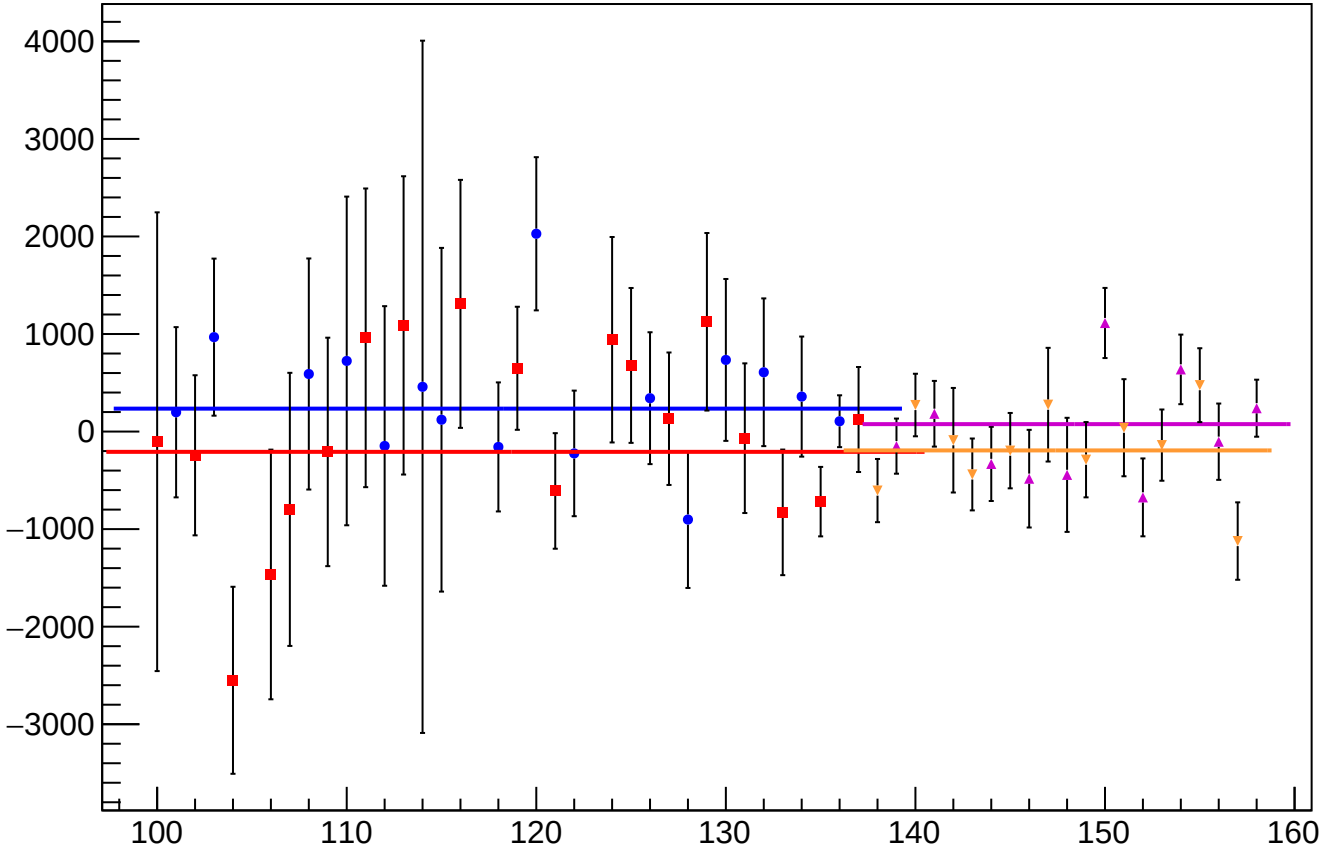
Left In: 331.114+/-0.081 χ^2/NDF:650195.3/9

+ sign 367.369+/-0.069 χ^2/NDF: 2970308.8/26

All: 365.704+/-0.048 χ^2/NDF: 6481753.3/55

- sign 364.067+/-0.068 χ^2/NDF: 3510275.4/28

asym_sam1_mean vs Slug



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -193.325+/-118.403 χ^2/NDF:13.8/10

Right Out: -207.936+/-174.716 χ^2/NDF: 20.4/18

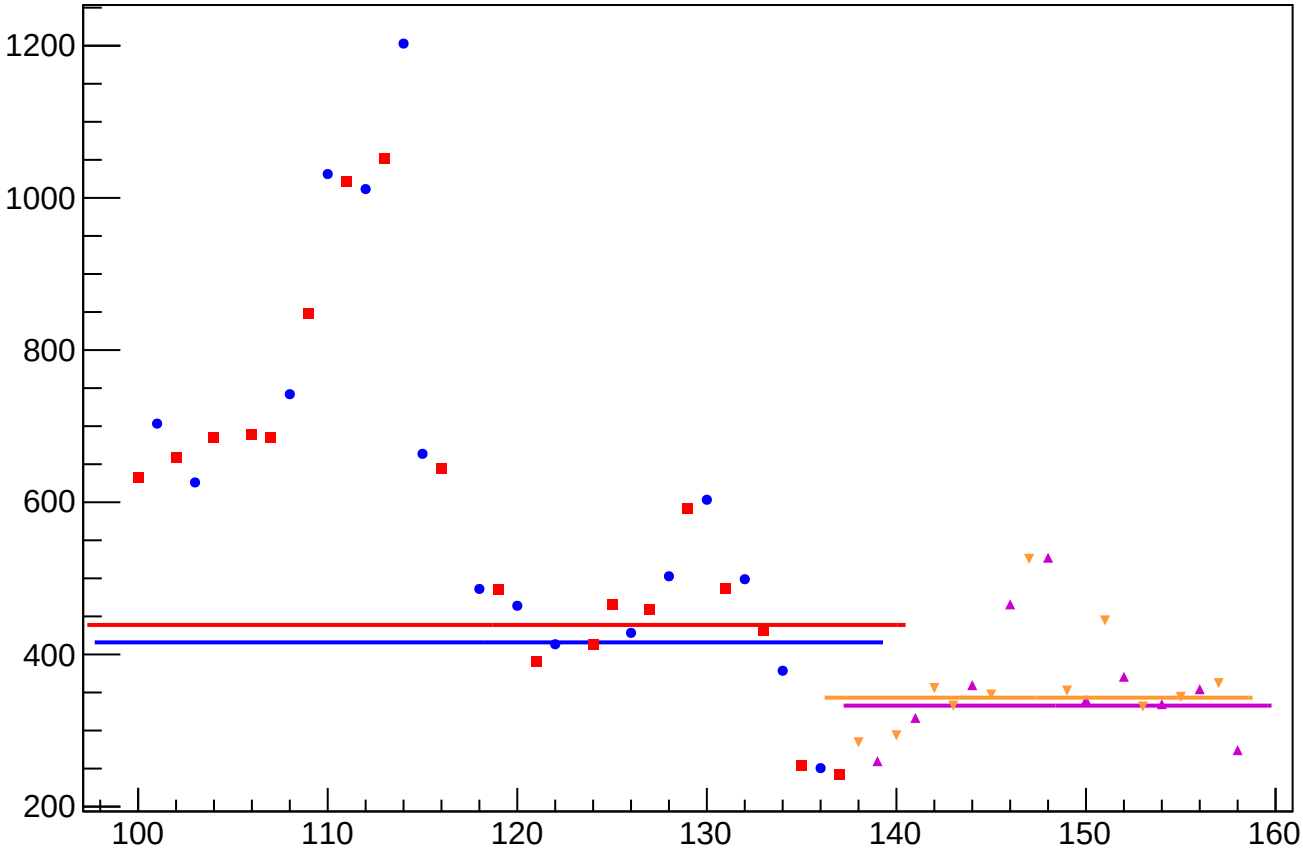
Left In: 76.174+/-115.252 χ^2/NDF:18.8/9

+ sign -51.383+/-96.820 χ^2/NDF: 28.8/26

All: -30.545+/-68.244 χ^2/NDF: 69.9/55

- sign -9.970+/-96.206 χ^2/NDF: 41.0/28

asym_sam1_rms vs Slug



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 343.224+/-0.084 χ^2/NDF:403331.6/10

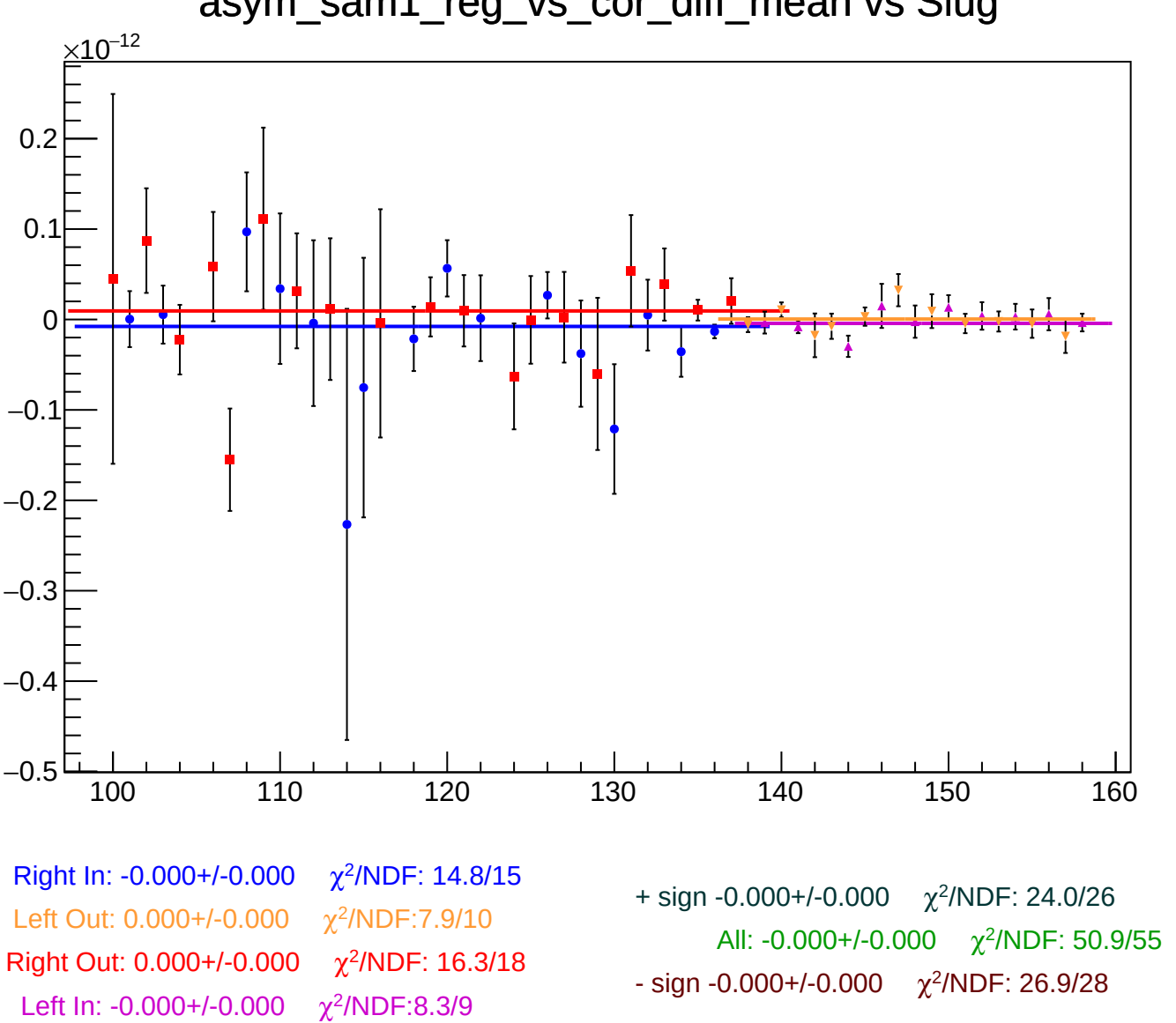
Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

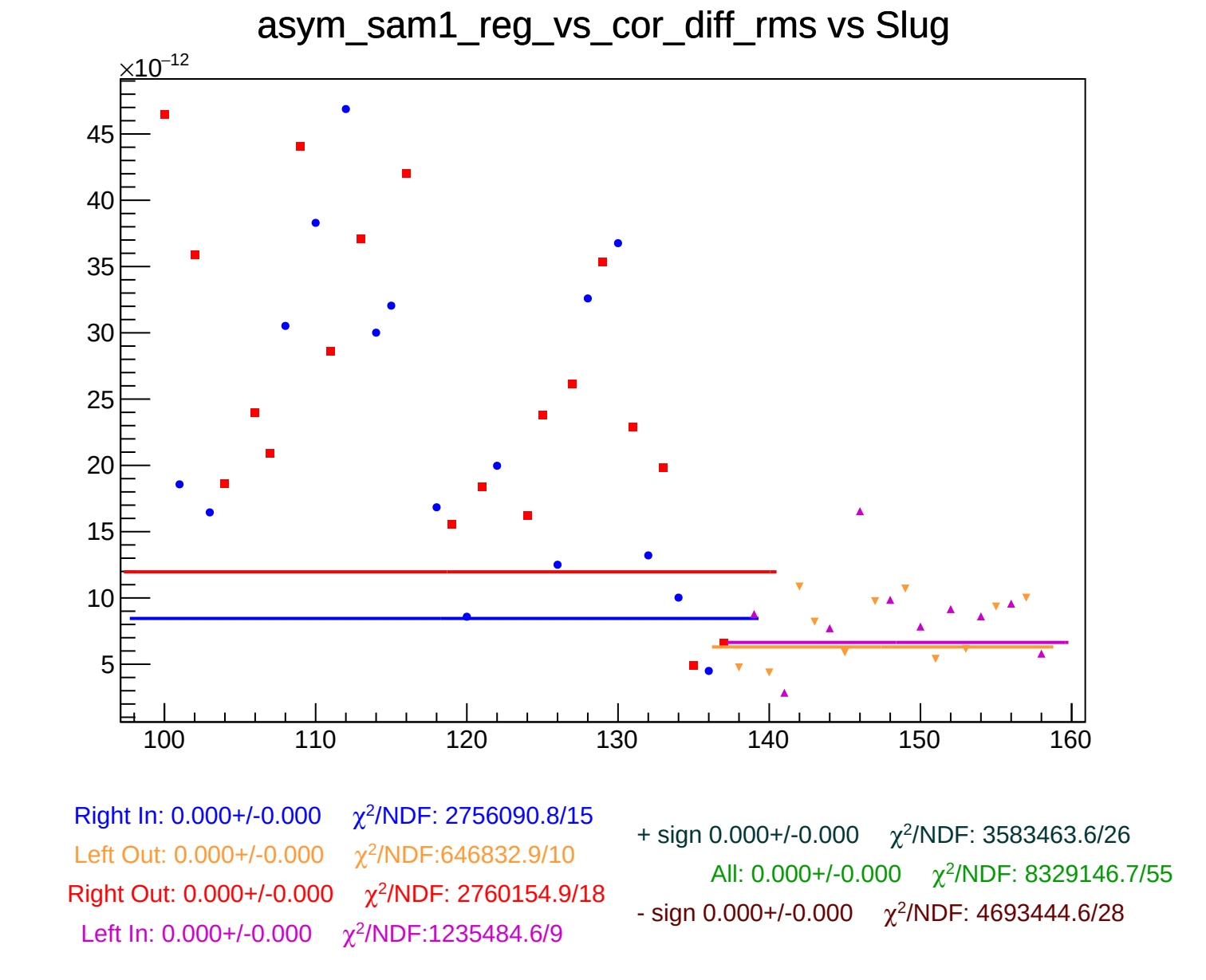
Left In: 332.729+/-0.081 χ^2/NDF:615743.3/9

+ sign 367.285+/-0.068 χ^2/NDF: 2876538.7/26

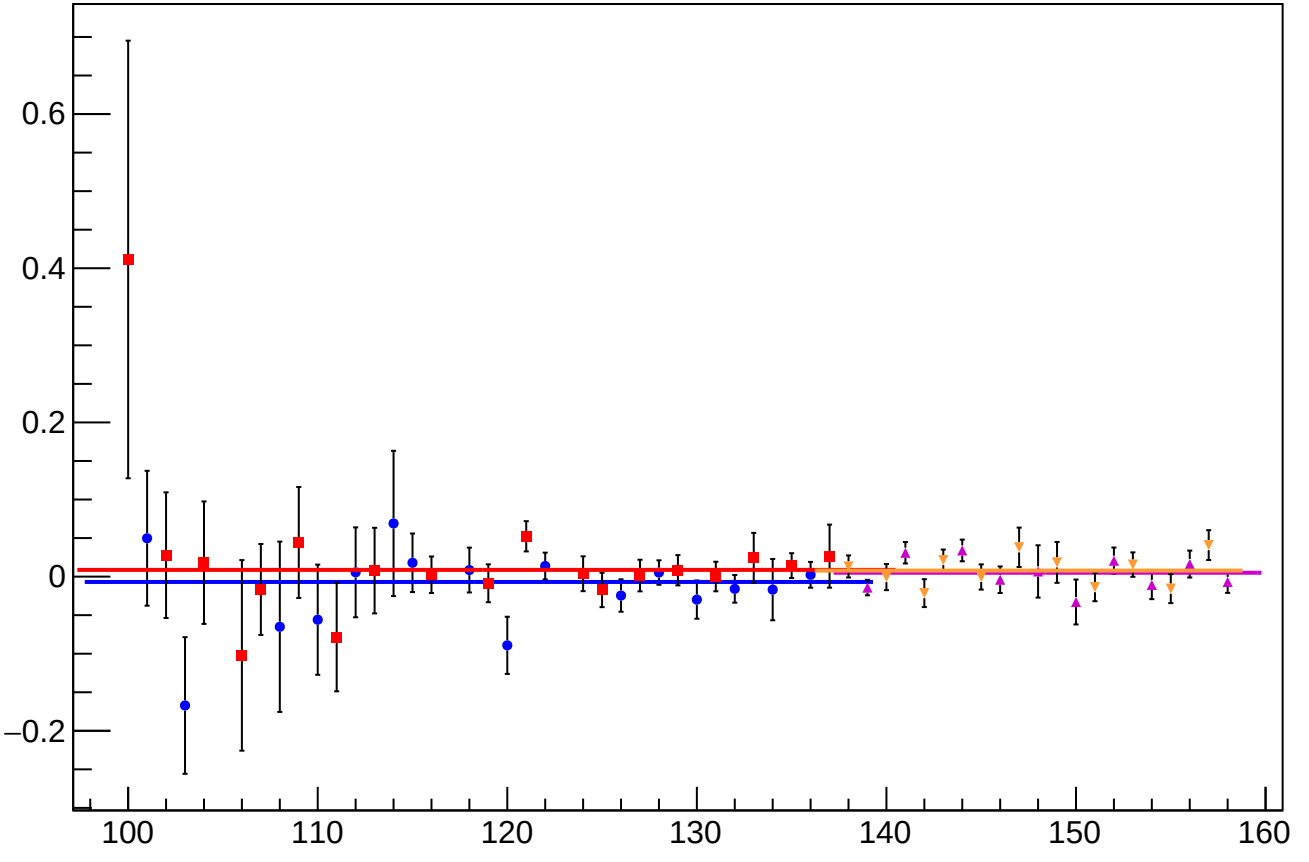
All: 366.076+/-0.048 χ^2/NDF: 6241065.7/55

- sign 364.882+/-0.068 χ^2/NDF: 3363907.3/28


asym_sam1_reg_vs_cor_diff_mean vs Slug
×10^−12
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 14.8/15
Left Out: 0.000+/-0.000 χ²/NDF:7.9/10
Right Out: 0.000+/-0.000 χ²/NDF: 16.3/18
Left In: -0.000+/-0.000 χ²/NDF:8.3/9
+ sign -0.000+/-0.000 χ²/NDF: 24.0/26
All: -0.000+/-0.000 χ²/NDF: 50.9/55
- sign -0.000+/-0.000 χ²/NDF: 26.9/28


asym_sam1_reg_vs_cor_diff_rms vs Slug
×10^−12
45
40
35
30
25
20
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2756090.8/15
Left Out: 0.000+/-0.000 χ²/NDF:646832.9/10
Right Out: 0.000+/-0.000 χ²/NDF: 2760154.9/18
Left In: 0.000+/-0.000 χ²/NDF:1235484.6/9
+ sign 0.000+/-0.000 χ²/NDF: 3583463.6/26
All: 0.000+/-0.000 χ²/NDF: 8329146.7/55
- sign 0.000+/-0.000 χ²/NDF: 4693444.6/28

asym_sam1_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.008+/-0.005 χ^2/NDF:11.9/10

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

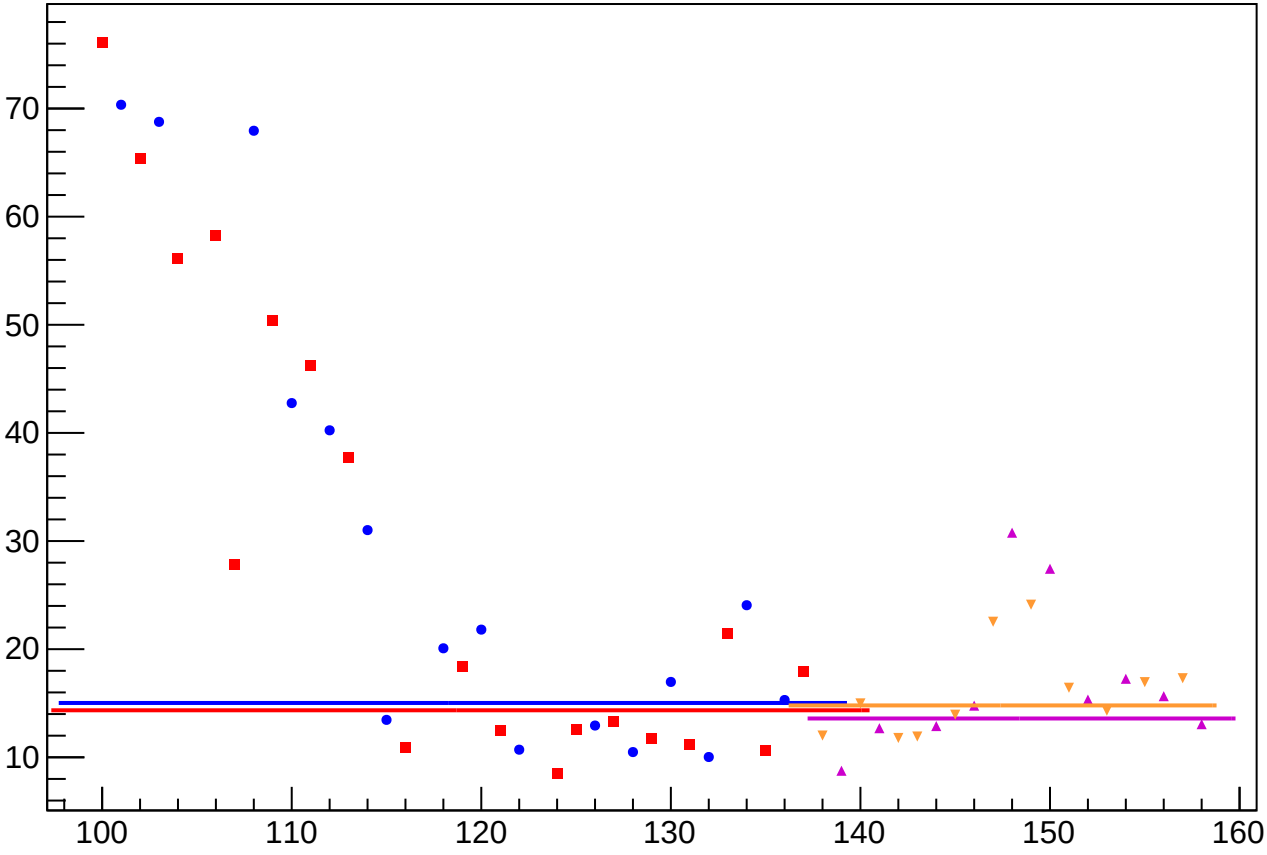
Left In: 0.005+/-0.005 χ^2/NDF:16.1/9

+ sign 0.002+/-0.004 χ^2/NDF: 29.8/26

All: 0.004+/-0.003 χ^2/NDF: 59.3/55

- sign 0.006+/-0.004 χ^2/NDF: 28.9/28

asym_sam1_dit_vs_cor_diff_rms vs Slug



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.798+/-0.004 χ^2/NDF:734478.5/10

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

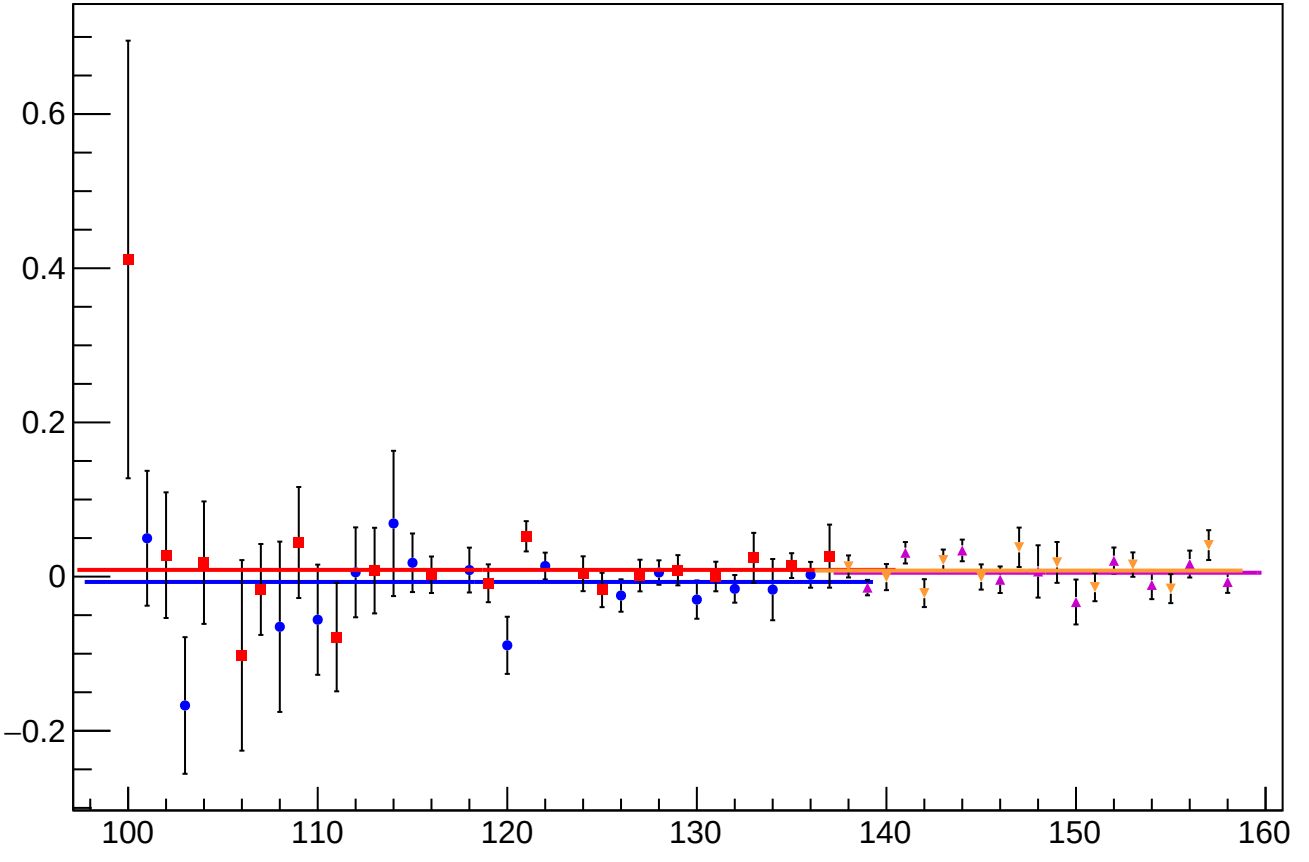
Left In: 13.590+/-0.004 χ^2/NDF:1581578.4/9

+ sign 14.885+/-0.003 χ^2/NDF: 4174151.0/26

All: 14.354+/-0.002 χ^2/NDF: 9464370.7/55

- sign 13.877+/-0.003 χ^2/NDF: 5228112.9/28

asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.008+/-0.005 χ^2/NDF:11.9/10

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

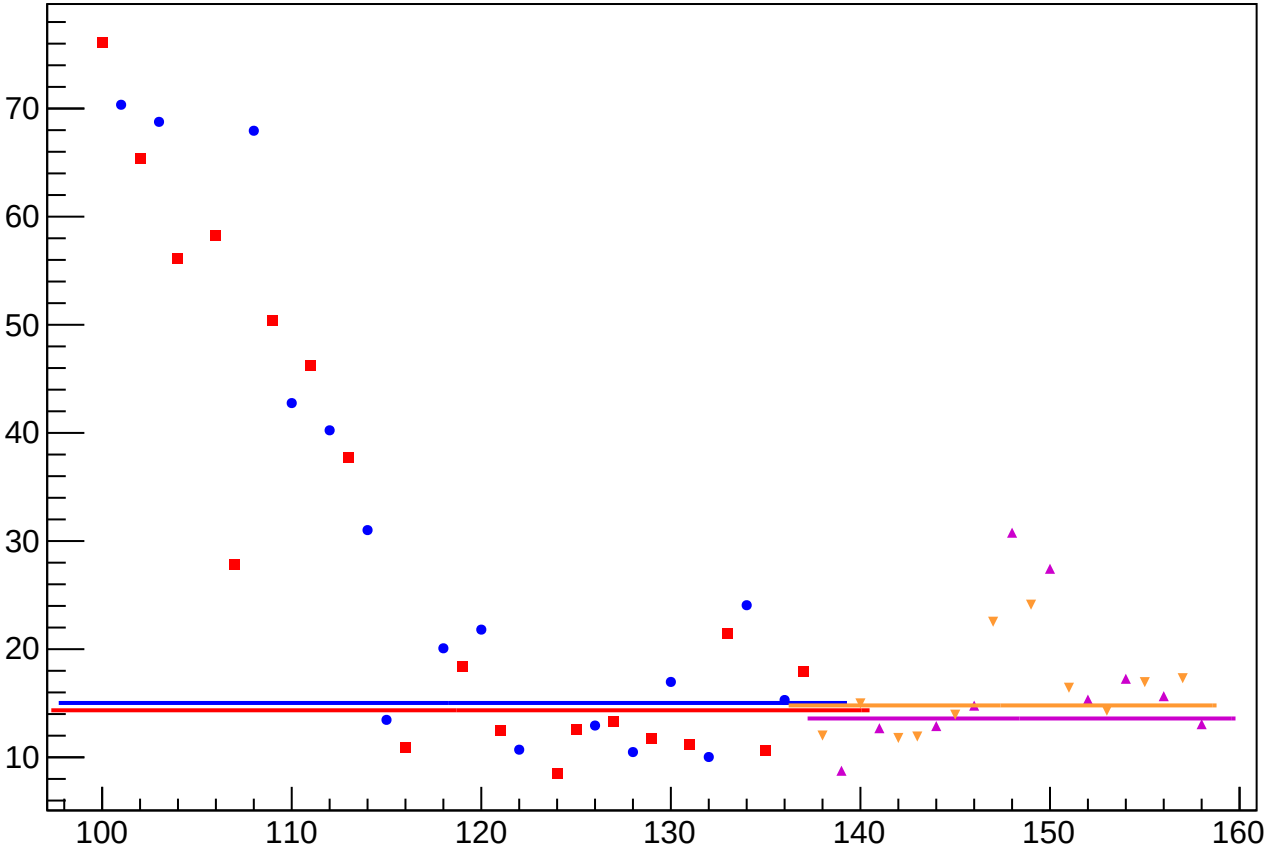
Left In: 0.005+/-0.005 χ^2/NDF:16.1/9

+ sign 0.002+/-0.004 χ^2/NDF: 29.8/26

All: 0.004+/-0.003 χ^2/NDF: 59.3/55

- sign 0.006+/-0.004 χ^2/NDF: 28.9/28

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.798+/-0.004 χ^2/NDF:734478.5/10

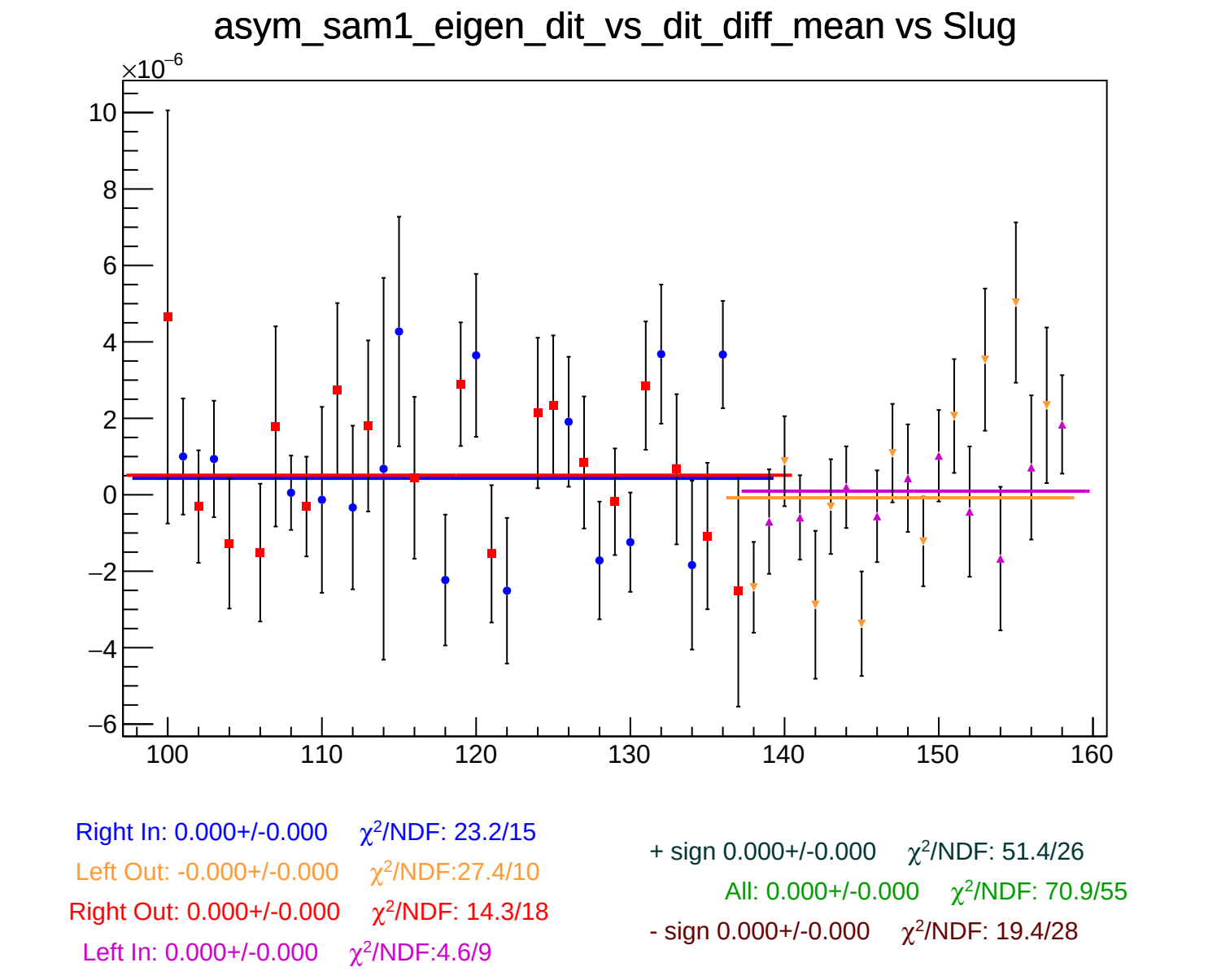
Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 13.590+/-0.004 χ^2/NDF:1581578.4/9

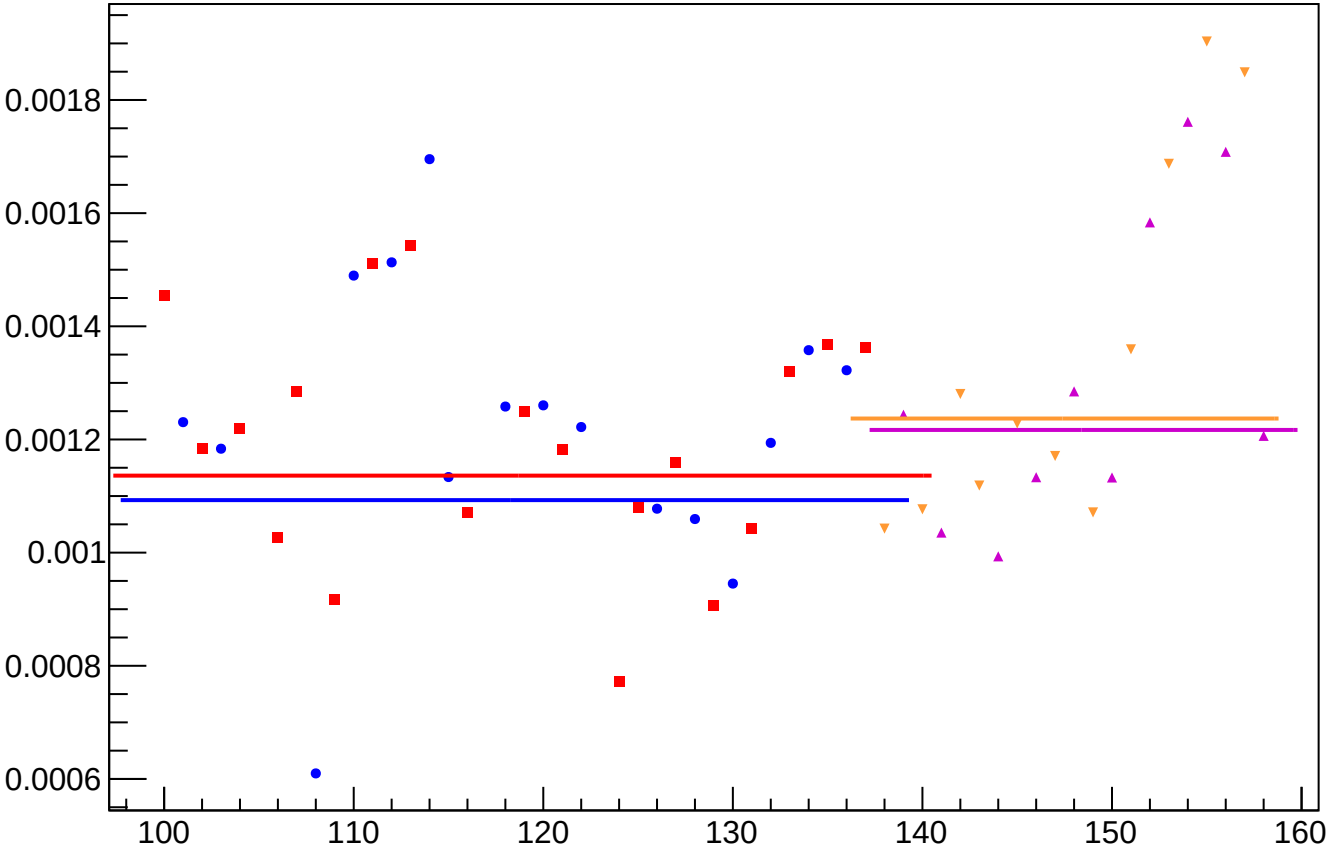
+ sign 14.885+/-0.003 χ^2/NDF: 4174151.0/26

All: 14.354+/-0.002 χ^2/NDF: 9464370.7/55

- sign 13.877+/-0.003 χ^2/NDF: 5228112.9/28


asym_sam1_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻⁶
10
8
6
4
2
0
−2
−4
−6
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 23.2/15
Left Out: -0.000+/-0.000 χ²/NDF:27.4/10
Right Out: 0.000+/-0.000 χ²/NDF: 14.3/18
Left In: 0.000+/-0.000 χ²/NDF:4.6/9
+ sign 0.000+/-0.000 χ²/NDF: 51.4/26
All: 0.000+/-0.000 χ²/NDF: 70.9/55
- sign 0.000+/-0.000 χ²/NDF: 19.4/28

asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 831840.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:668855.3/10

Right Out: 0.001+/-0.000 χ^2/NDF: 407257.8/18

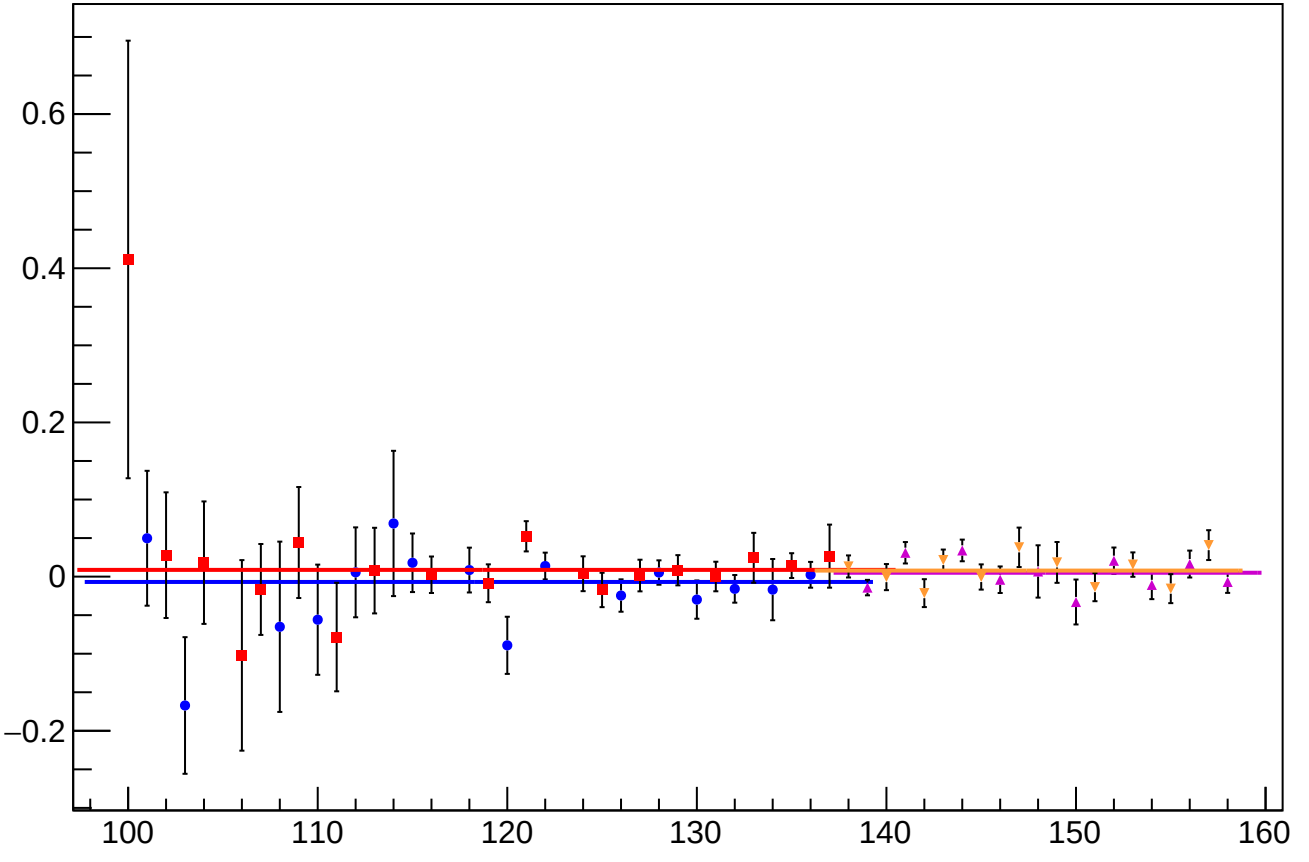
Left In: 0.001+/-0.000 χ^2/NDF:563173.0/9

+ sign 0.001+/-0.000 χ^2/NDF: 1615992.8/26

All: 0.001+/-0.000 χ^2/NDF: 2625046.5/55

- sign 0.001+/-0.000 χ^2/NDF: 1007066.0/28

asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.008+/-0.005 χ^2/NDF:11.9/10

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

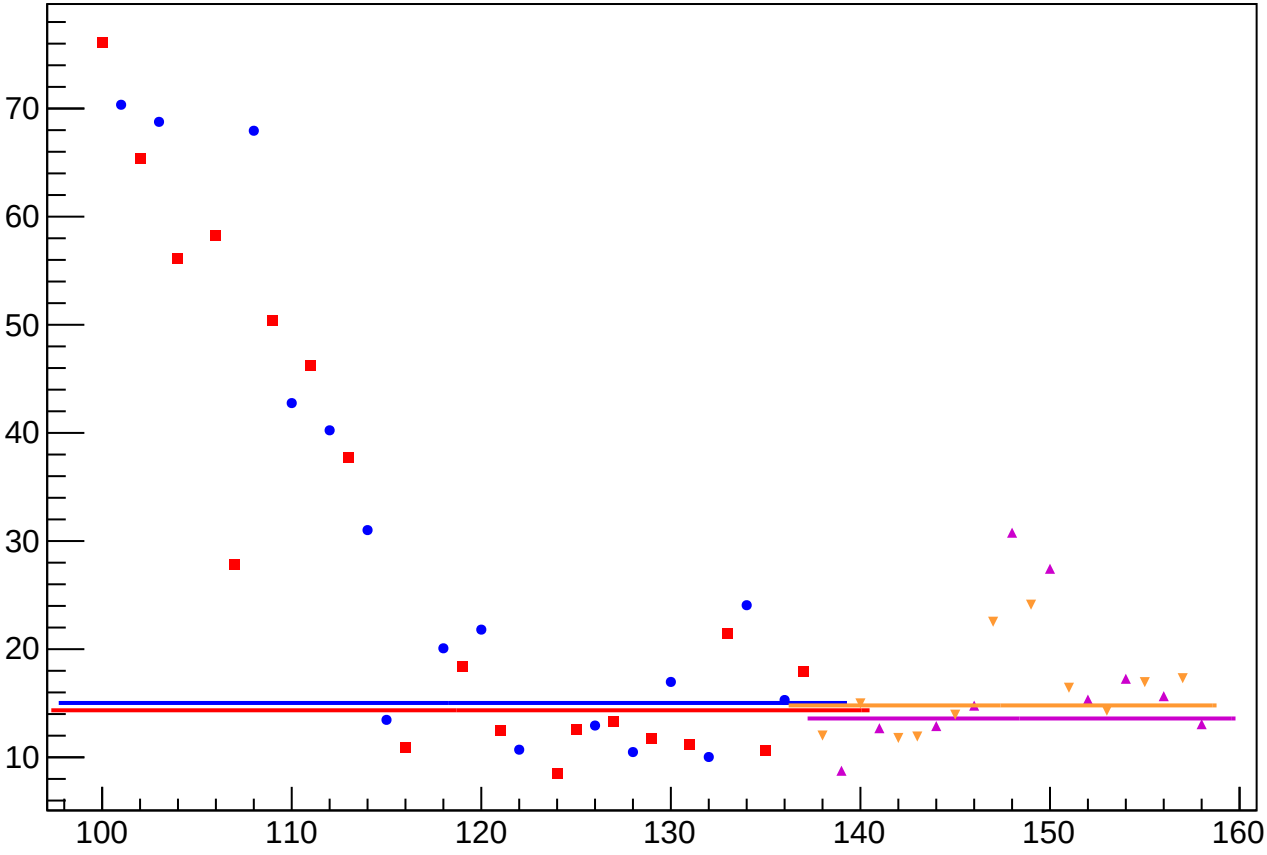
Left In: 0.005+/-0.005 χ^2/NDF:16.1/9

+ sign 0.002+/-0.004 χ^2/NDF: 29.8/26

All: 0.004+/-0.003 χ^2/NDF: 59.3/55

- sign 0.006+/-0.004 χ^2/NDF: 28.9/28

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.798+/-0.004 χ^2/NDF:734480.9/10

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

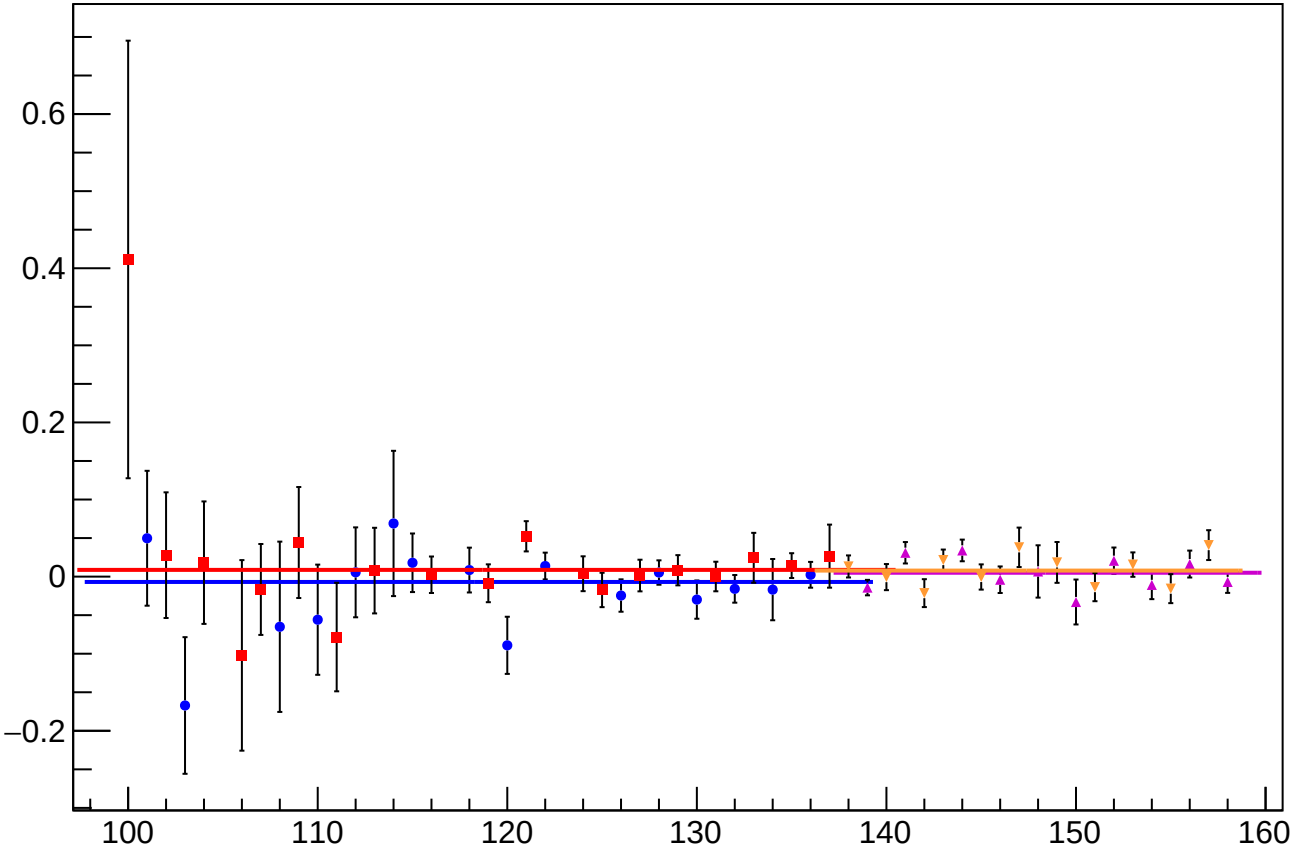
Left In: 13.590+/-0.004 χ^2/NDF:1581619.7/9

+ sign 14.885+/-0.003 χ^2/NDF: 4174168.3/26

All: 14.354+/-0.002 χ^2/NDF: 9464424.0/55

- sign 13.877+/-0.003 χ^2/NDF: 5228142.1/28

asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.008+/-0.005 χ^2/NDF:11.9/10

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

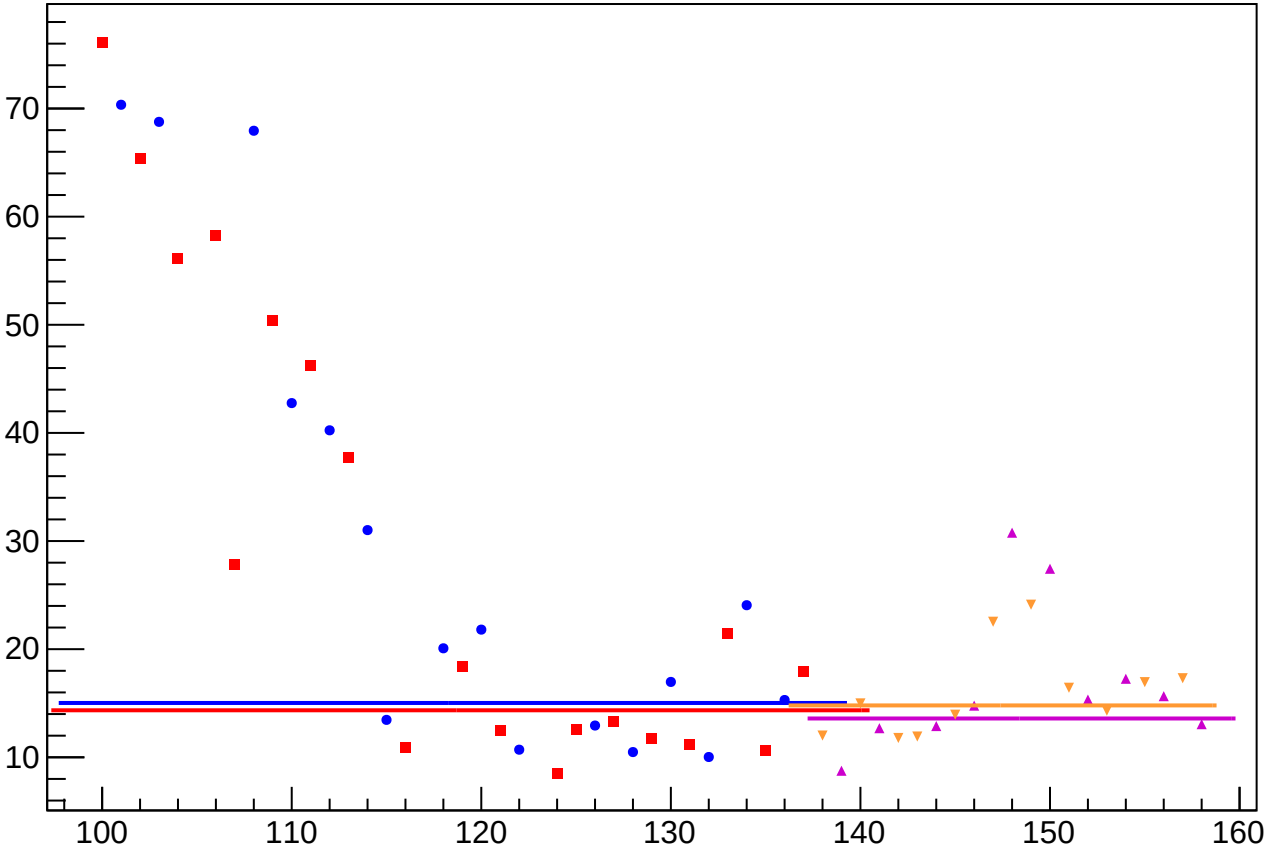
Left In: 0.005+/-0.005 χ^2/NDF:16.1/9

+ sign 0.002+/-0.004 χ^2/NDF: 29.8/26

All: 0.004+/-0.003 χ^2/NDF: 59.3/55

- sign 0.006+/-0.004 χ^2/NDF: 28.9/28

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.798+/-0.004 χ^2/NDF:734480.9/10

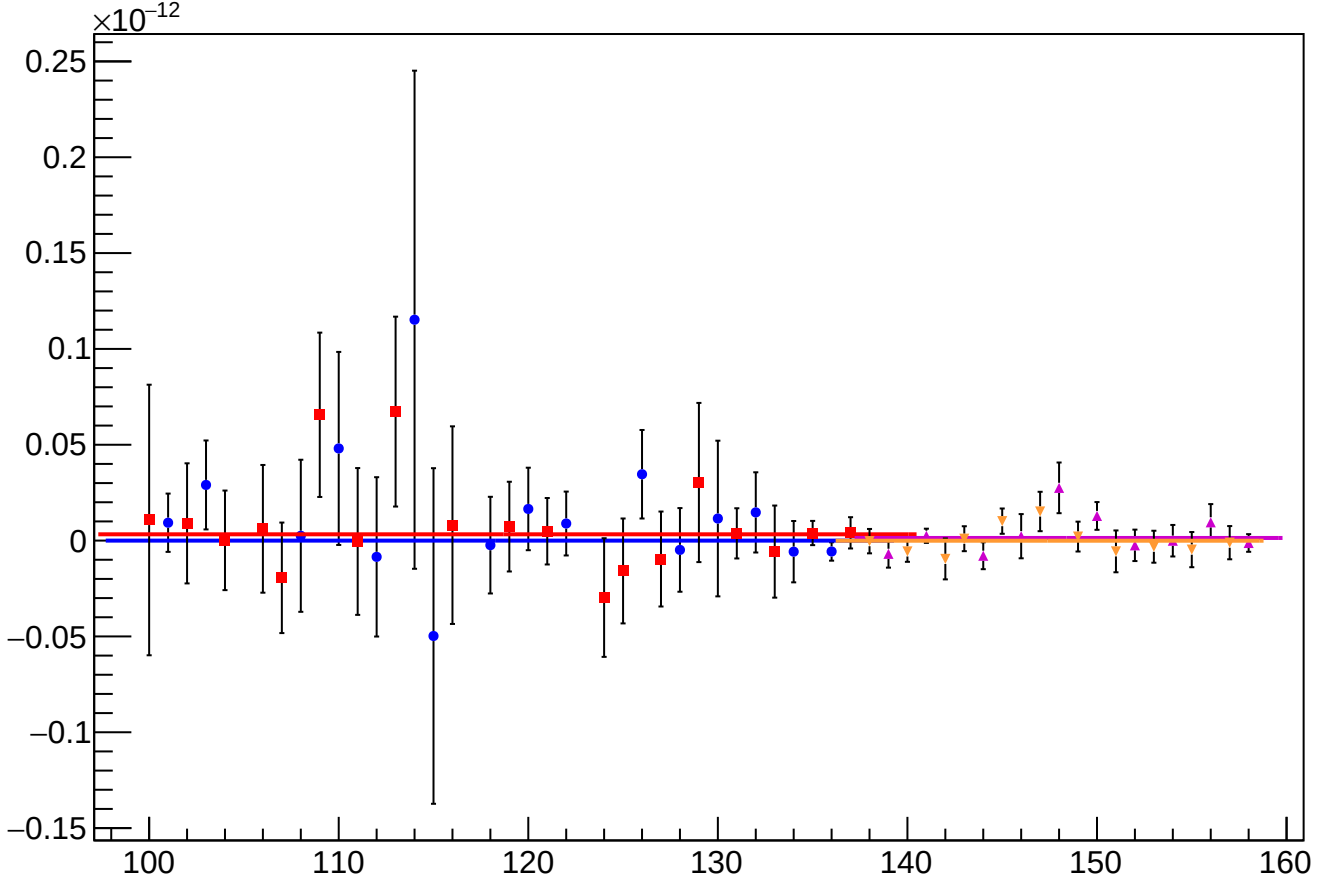
Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 13.590+/-0.004 χ^2/NDF:1581619.7/9

+ sign 14.885+/-0.003 χ^2/NDF: 4174168.3/26

All: 14.354+/-0.002 χ^2/NDF: 9464424.0/55

- sign 13.877+/-0.003 χ^2/NDF: 5228142.1/28



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.2/10

Right Out: 0.000+/-0.000 χ^2/NDF: 7.0/18

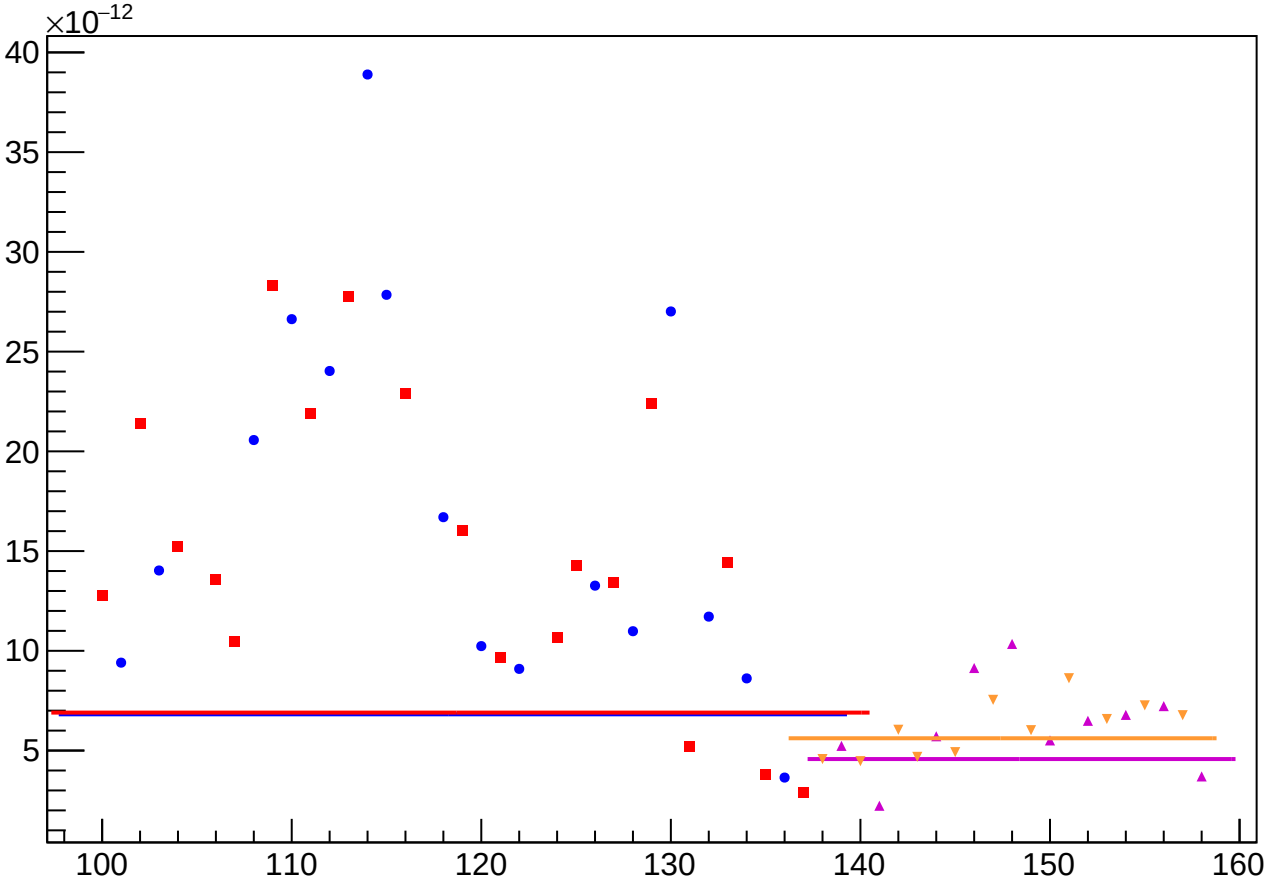
Left In: 0.000+/-0.000 χ^2/NDF:10.9/9

+ sign -0.000+/-0.000 χ^2/NDF: 16.5/26

All: 0.000+/-0.000 χ^2/NDF: 35.1/55

- sign 0.000+/-0.000 χ^2/NDF: 18.1/28

asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3511411.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:564818.7/10

Right Out: 0.000+/-0.000 χ^2/NDF: 4241227.1/18

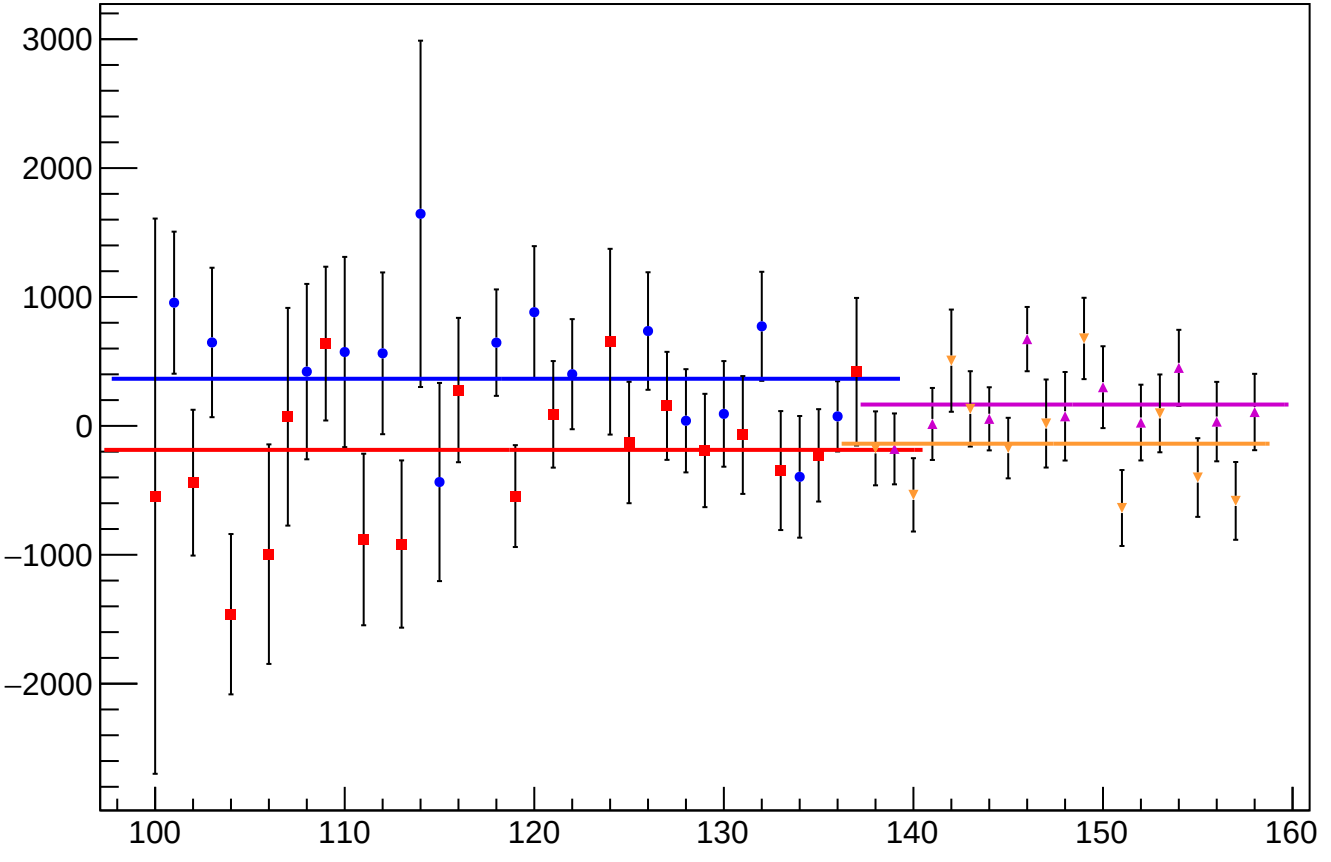
Left In: 0.000+/-0.000 χ^2/NDF:2078431.3/9

+ sign 0.000+/-0.000 χ^2/NDF: 4222788.9/26

All: 0.000+/-0.000 χ^2/NDF: 11293483.2/55

- sign 0.000+/-0.000 χ^2/NDF: 6865151.5/28

reg_asym_sam2_mean vs Slug



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -138.238+/-89.972 χ^2/NDF:18.8/10

Right Out: -186.141+/-120.188 χ^2/NDF: 15.0/18

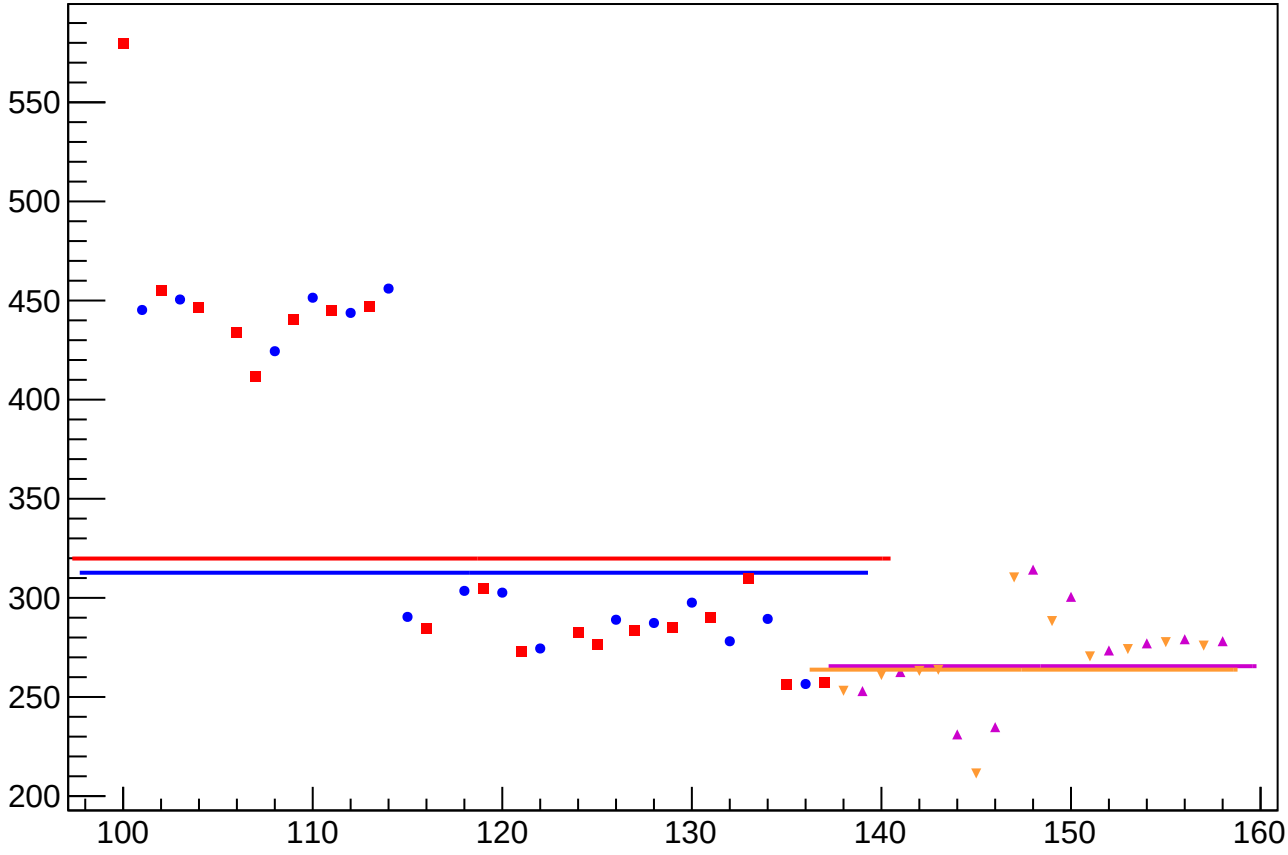
Left In: 165.564+/-90.465 χ^2/NDF:7.8/9

+ sign 45.245+/-71.740 χ^2/NDF: 41.7/26

All: 41.832+/-50.917 χ^2/NDF: 70.0/55

- sign 38.367+/-72.279 χ^2/NDF: 28.3/28

reg_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 263.790+/-0.064 χ^2/NDF:162296.6/10

Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

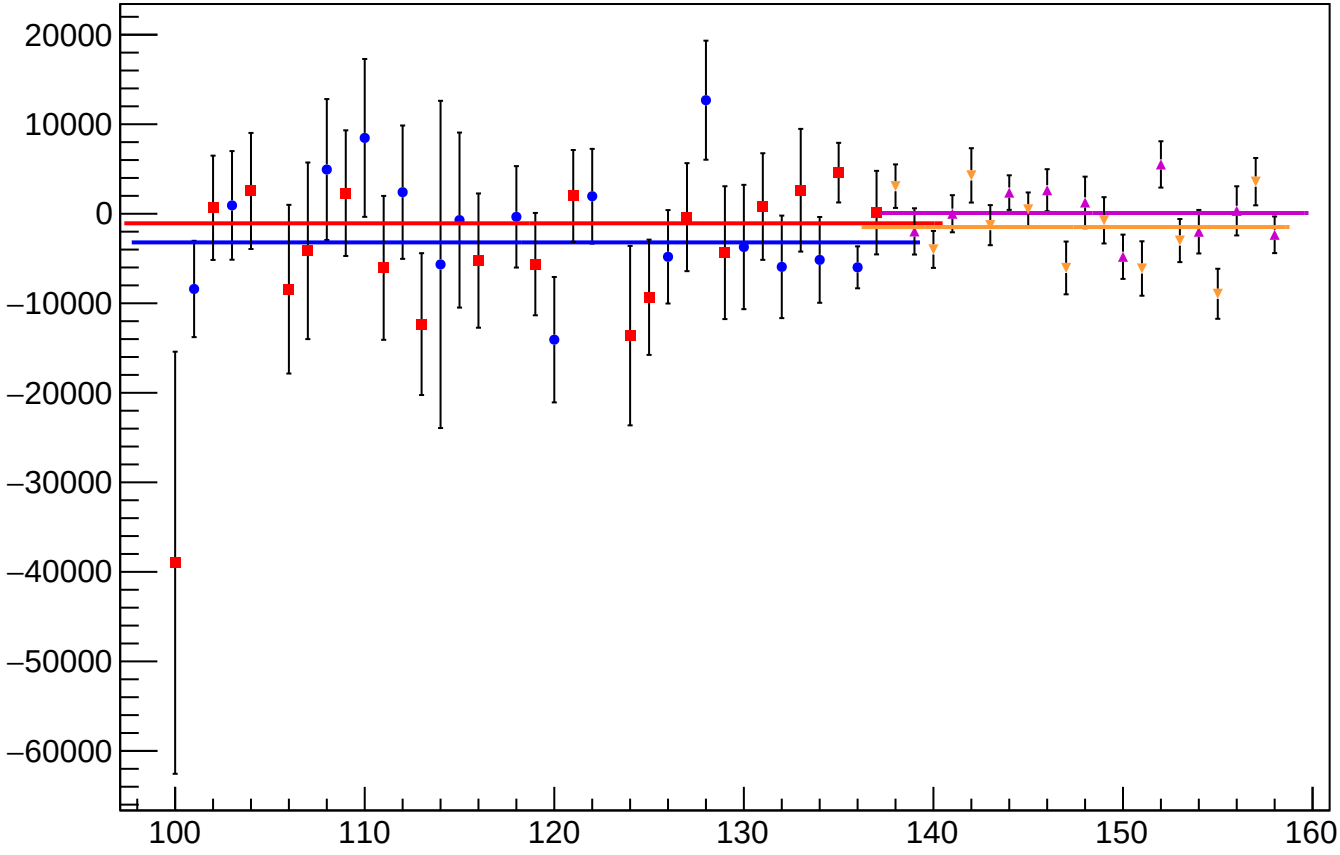
Left In: 265.534+/-0.064 χ^2/NDF:150849.7/9

+ sign 281.597+/-0.051 χ^2/NDF: 979615.3/26

All: 283.373+/-0.036 χ^2/NDF: 2091465.4/55

- sign 285.175+/-0.051 χ^2/NDF: 1109382.4/28

asym_sam2_reg_correction_mean vs Slug



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: -1483.436+/-743.927 χ^2/NDF:25.7/10

Right Out: -1065.939+/-1443.326 χ^2/NDF: 14.4/18

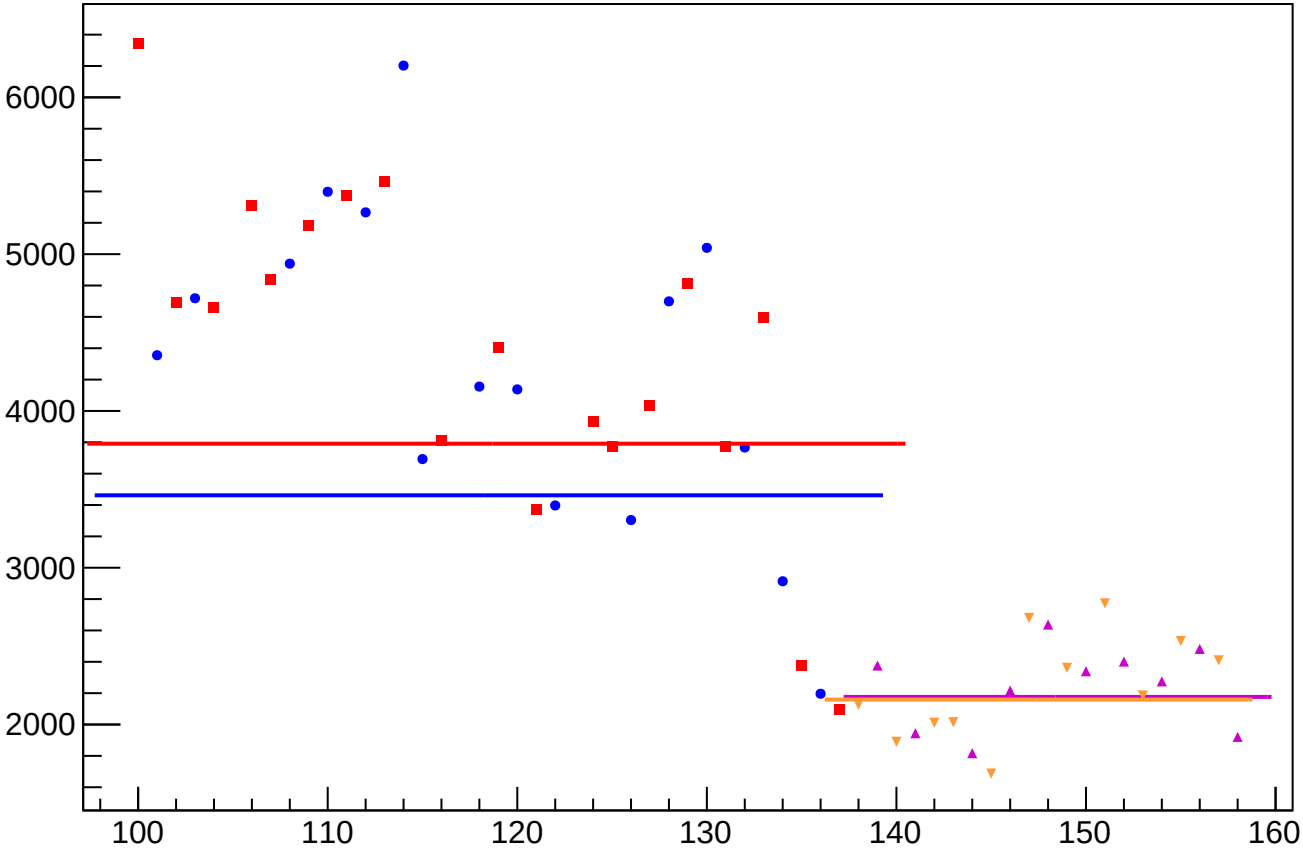
Left In: 82.998+/-744.151 χ^2/NDF:13.8/9

+ sign -1881.258+/-651.977 χ^2/NDF: 43.0/26

All: -1032.150+/-464.319 χ^2/NDF: 75.2/55

- sign -158.280+/-661.416 χ^2/NDF: 28.7/28

asym_sam2_reg_correction_rms vs Slug



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 2158.976+/-0.526 χ^2/NDF:381707.6/10

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

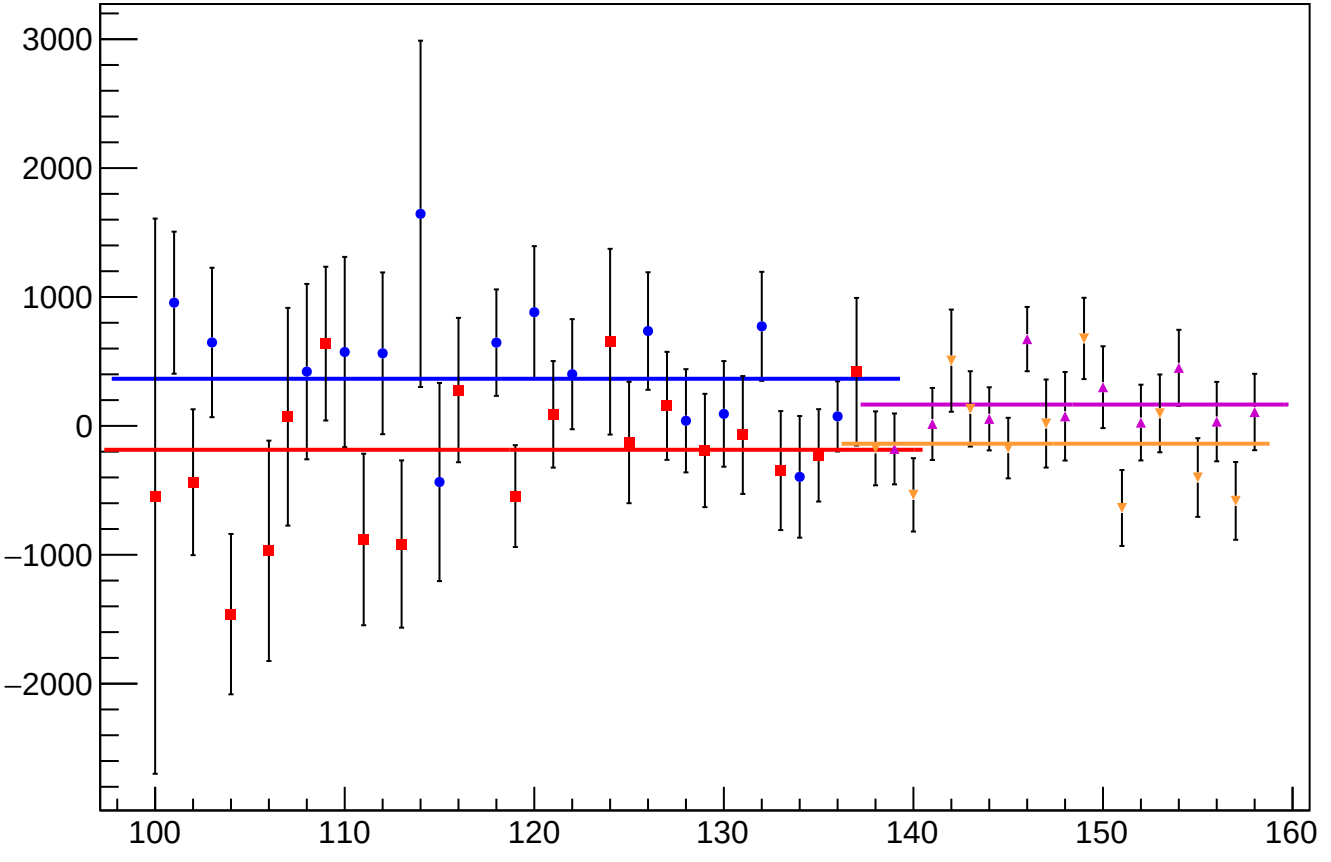
Left In: 2176.030+/-0.526 χ^2/NDF:241108.6/9

+ sign 2461.162+/-0.461 χ^2/NDF: 3114182.3/26

All: 2487.802+/-0.328 χ^2/NDF: 6496467.8/55

- sign 2515.219+/-0.468 χ^2/NDF: 3375510.0/28

cor_asym_sam2_mean vs Slug



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -138.225+/-89.972 χ^2/NDF:18.8/10

Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

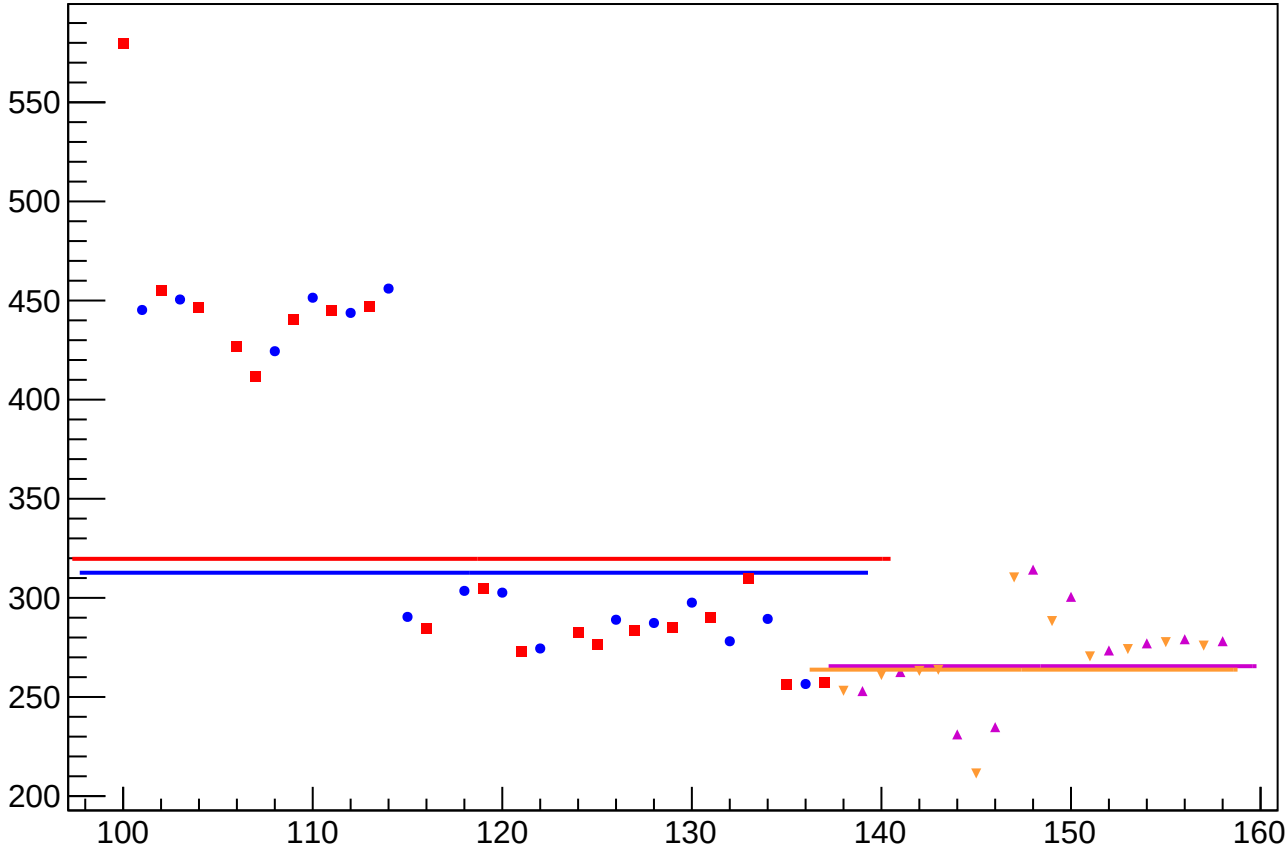
Left In: 165.558+/-90.465 χ^2/NDF:7.8/9

+ sign 45.248+/-71.740 χ^2/NDF: 41.7/26

All: 41.984+/-50.918 χ^2/NDF: 69.9/55

- sign 38.671+/-72.281 χ^2/NDF: 28.2/28

cor_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 263.790+/-0.064 χ^2/NDF:162296.6/10

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

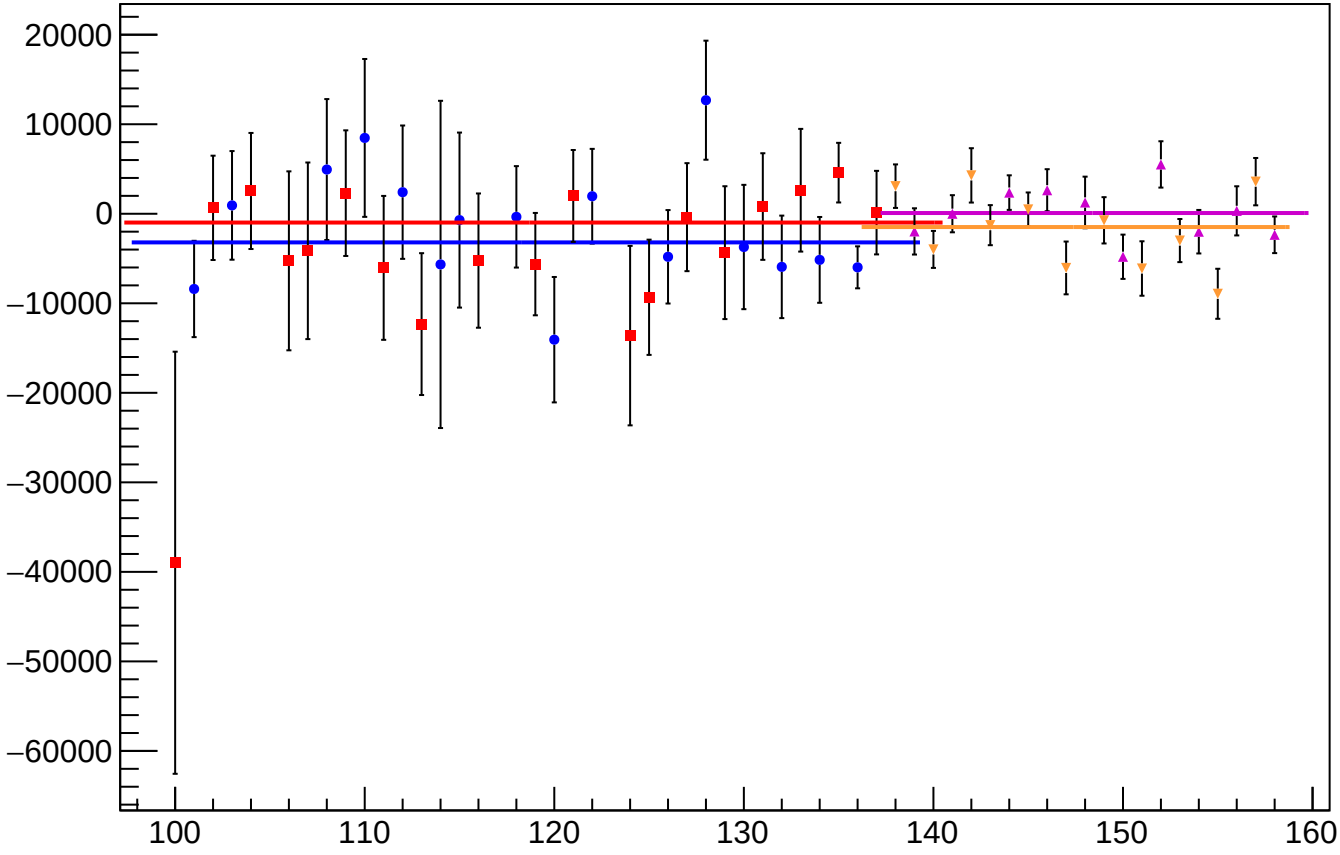
Left In: 265.534+/-0.064 χ^2/NDF:150849.7/9

+ sign 281.597+/-0.051 χ^2/NDF: 979616.9/26

All: 283.345+/-0.036 χ^2/NDF: 2085775.7/55

- sign 285.119+/-0.051 χ^2/NDF: 1103767.8/28

asym_sam2_cor_correction_mean vs Slug



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1483.430+/-743.927 χ^2/NDF:25.7/10

Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

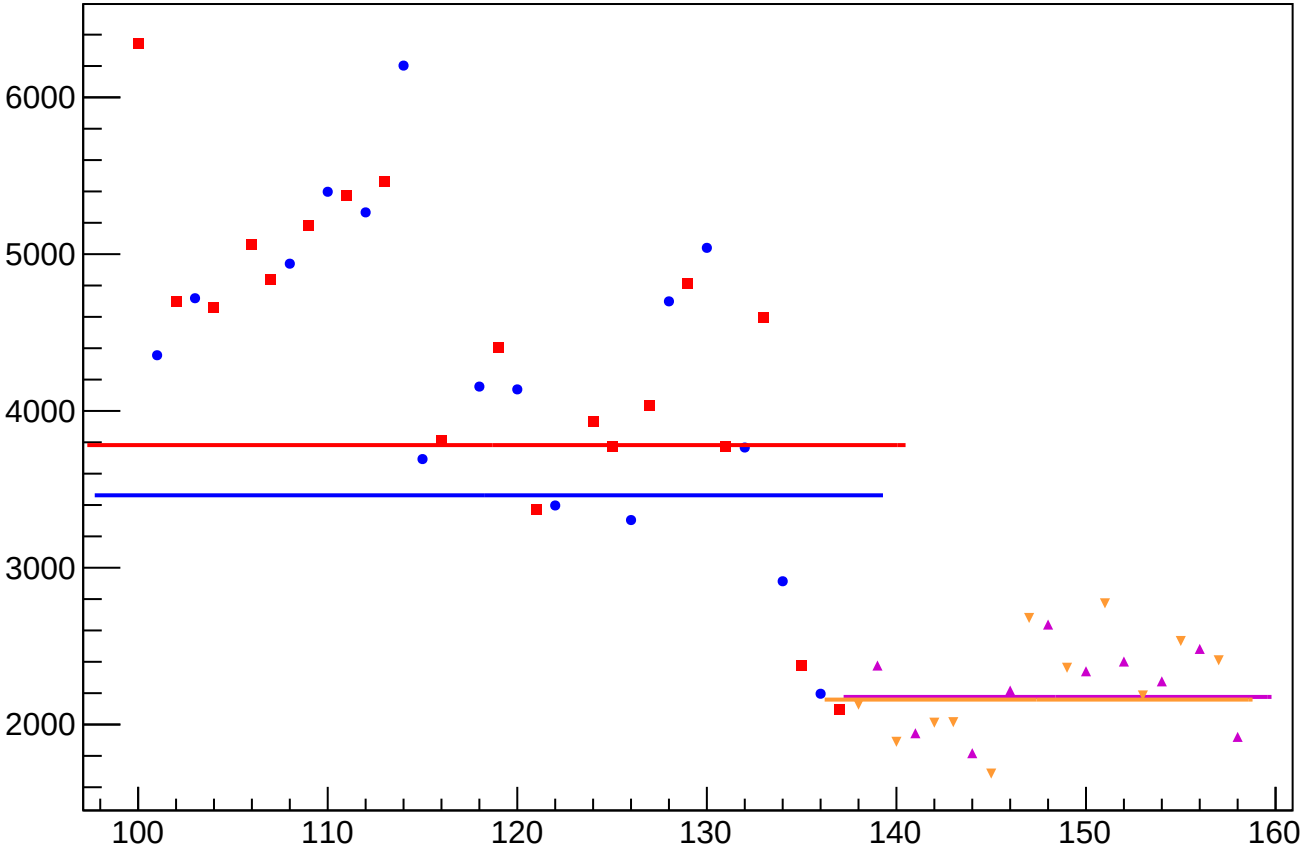
Left In: 82.989+/-744.151 χ^2/NDF:13.8/9

+ sign -1881.236+/-651.977 χ^2/NDF: 43.0/26

All: -1023.357+/-464.383 χ^2/NDF: 74.7/55

- sign -139.963+/-661.602 χ^2/NDF: 28.2/28

asym_sam2_cor_correction_rms vs Slug



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2158.975+/-0.526 χ^2/NDF:381709.1/10

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

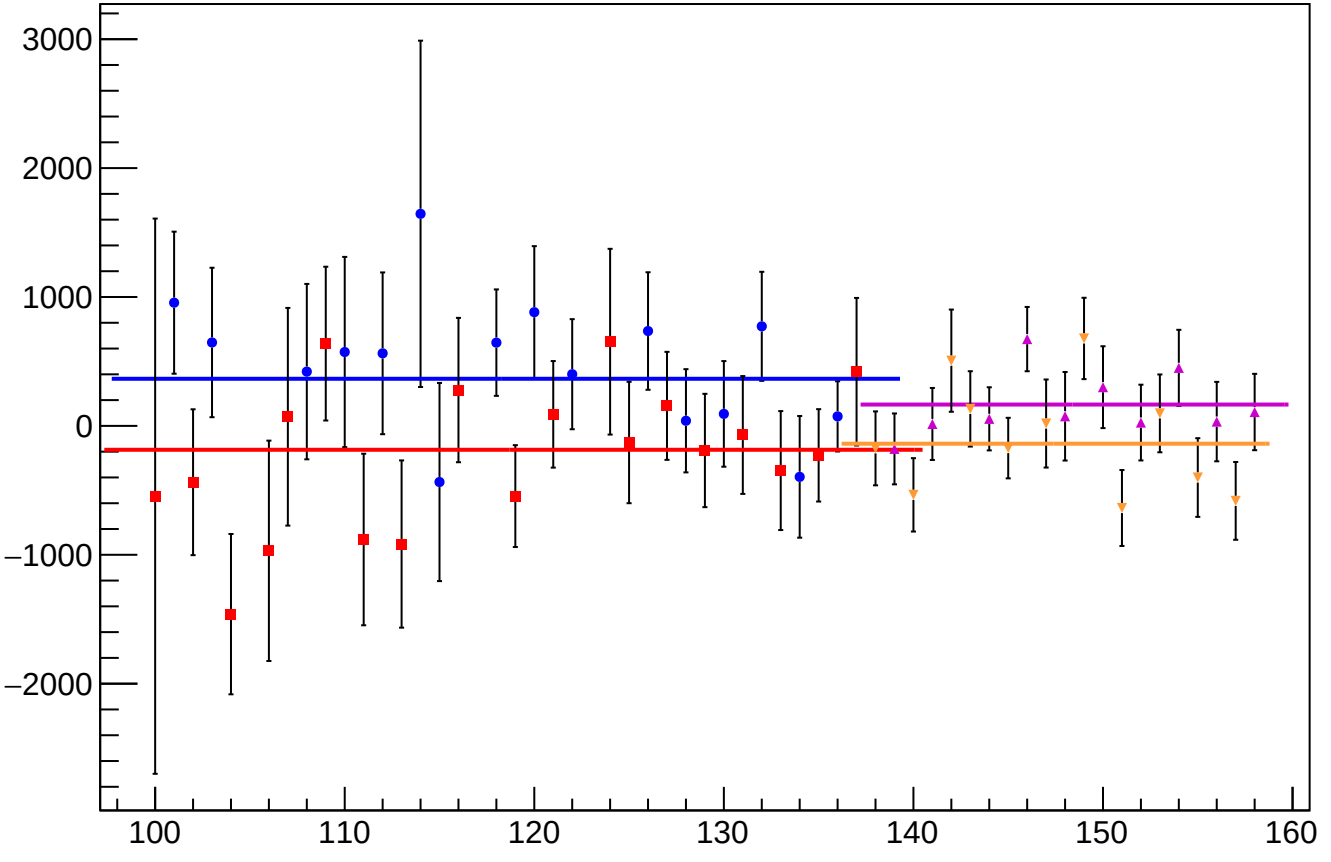
Left In: 2176.031+/-0.526 χ^2/NDF:241108.7/9

+ sign 2461.162+/-0.461 χ^2/NDF: 3114205.6/26

All: 2486.508+/-0.328 χ^2/NDF: 6450225.7/55

- sign 2512.607+/-0.468 χ^2/NDF: 3329885.0/28

eigen_cor_asym_sam2_mean vs Slug



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -138.225+/-89.972 χ^2/NDF:18.8/10

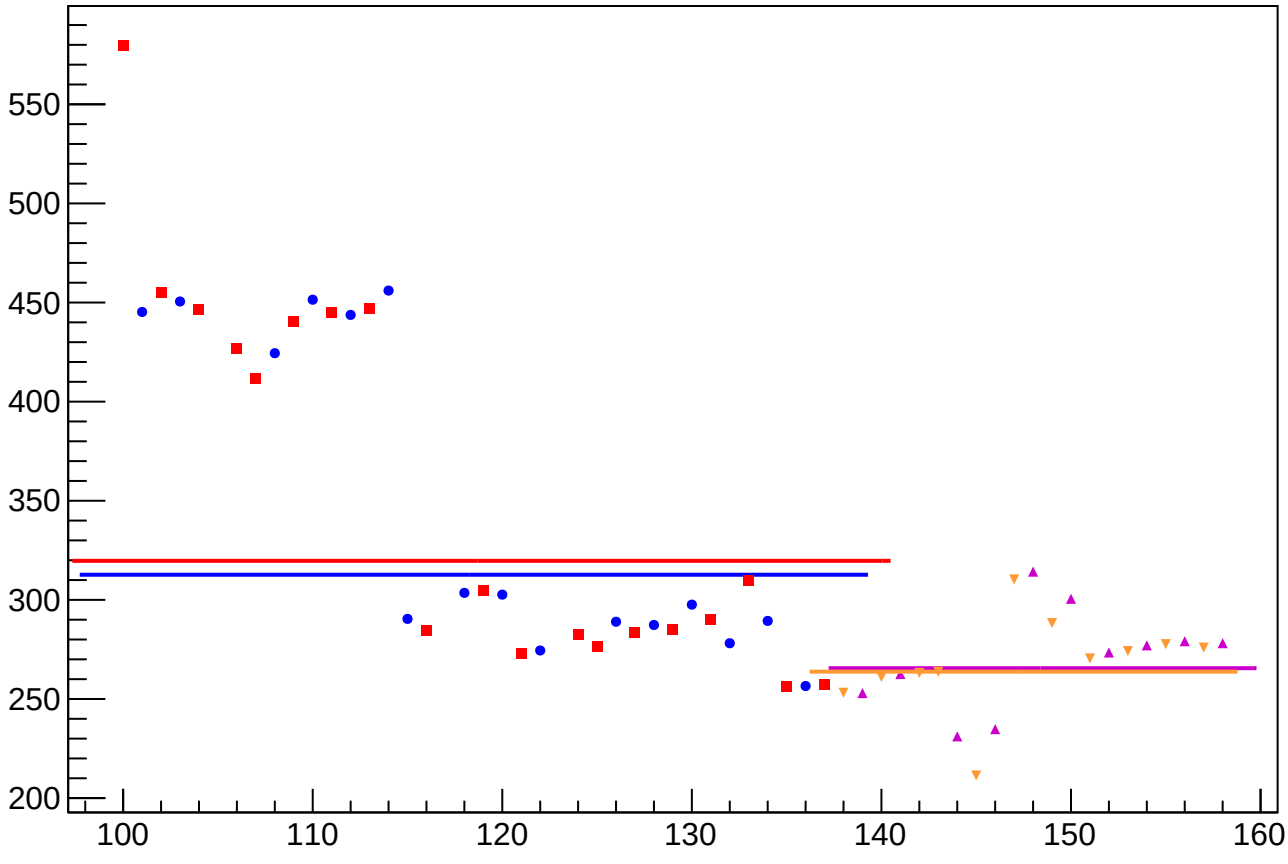
Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: 165.558+/-90.465 χ^2/NDF:7.8/9

+ sign 45.248+/-71.740 χ^2/NDF: 41.7/26

All: 41.984+/-50.918 χ^2/NDF: 69.9/55

- sign 38.671+/-72.281 χ^2/NDF: 28.2/28



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 263.790+/-0.064 χ^2/NDF:162296.6/10

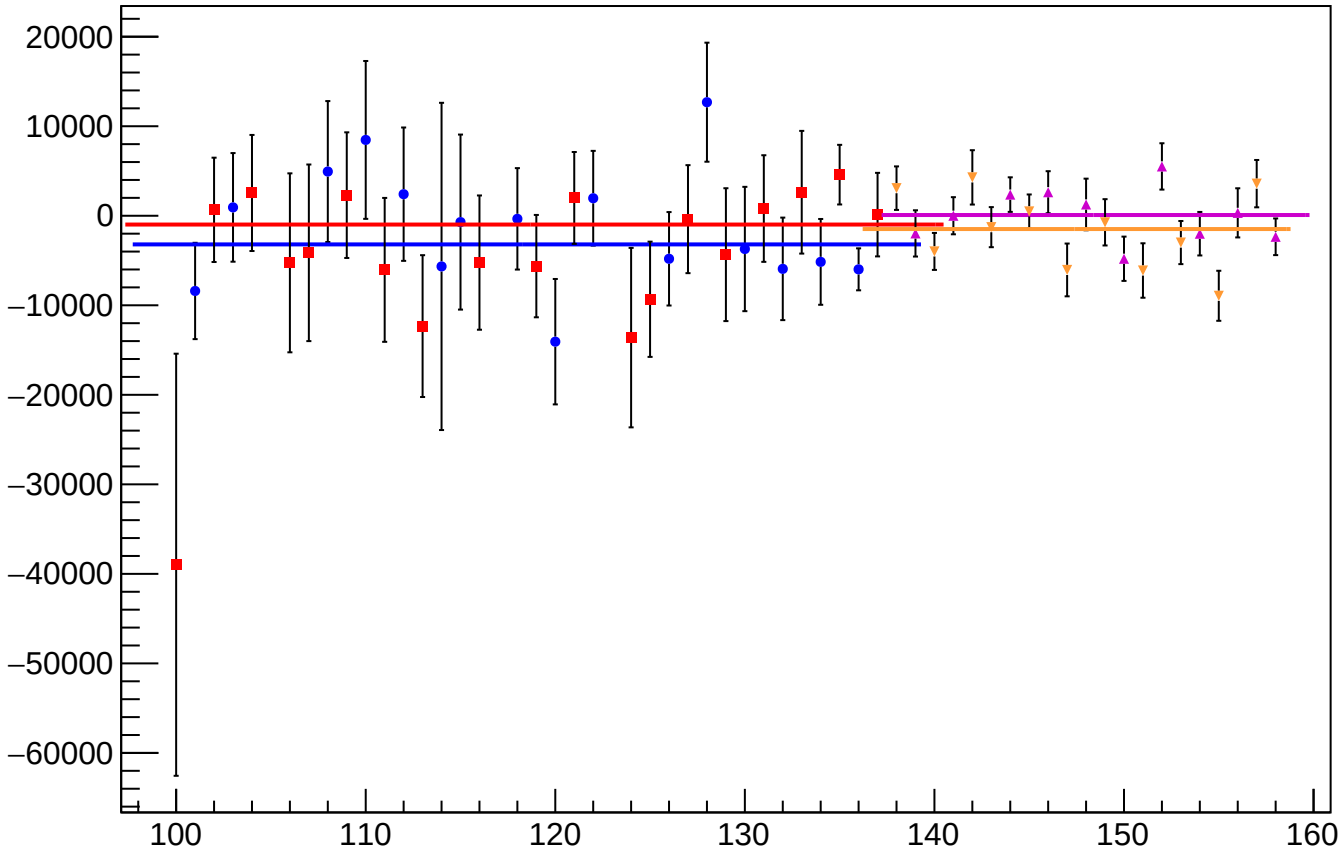
Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 265.534+/-0.064 χ^2/NDF:150849.7/9

+ sign 281.597+/-0.051 χ^2/NDF: 979616.9/26

All: 283.345+/-0.036 χ^2/NDF: 2085775.7/55

- sign 285.119+/-0.051 χ^2/NDF: 1103767.8/28



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1483.430+/-743.927 χ^2/NDF:25.7/10

Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

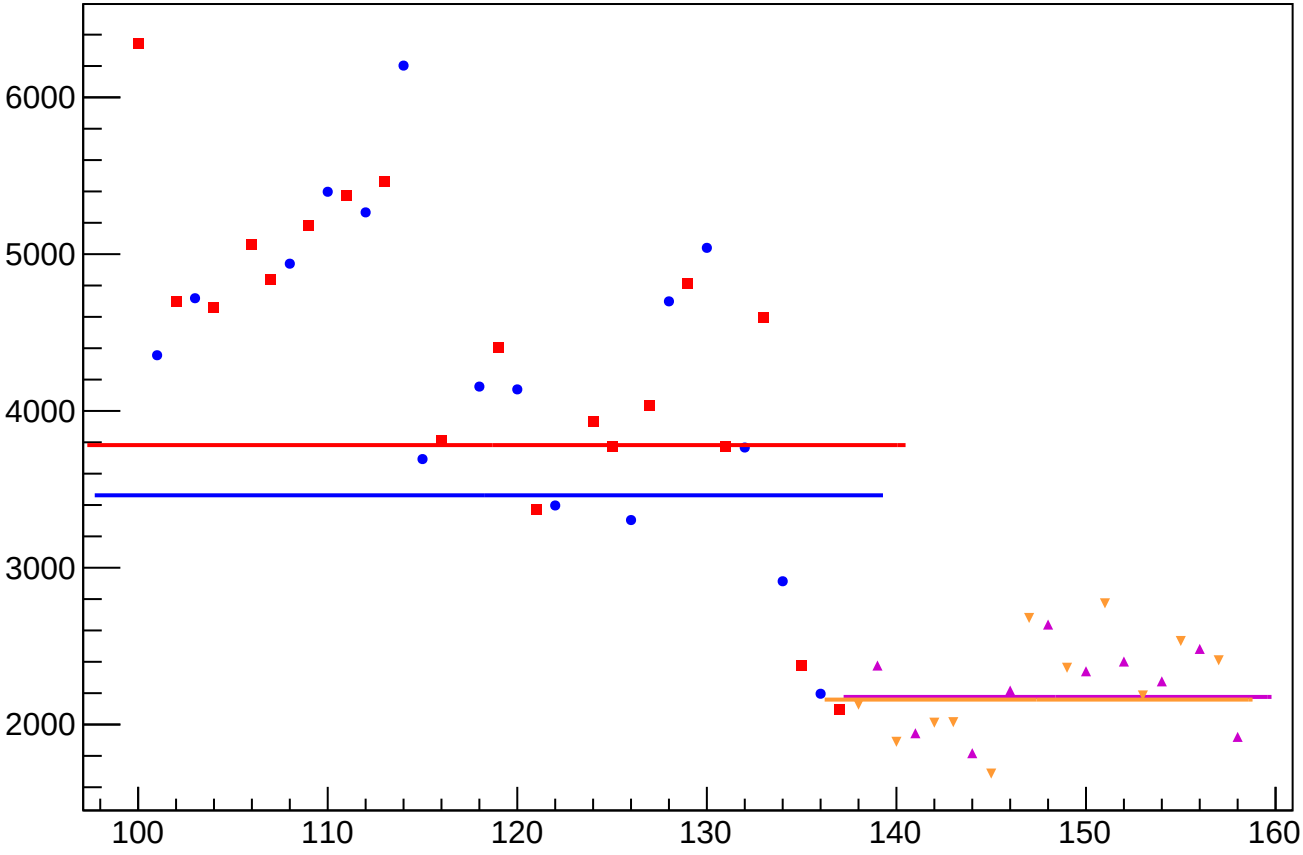
Left In: 82.989+/-744.151 χ^2/NDF:13.8/9

+ sign -1881.236+/-651.977 χ^2/NDF: 43.0/26

All: -1023.357+/-464.383 χ^2/NDF: 74.7/55

- sign -139.963+/-661.602 χ^2/NDF: 28.2/28

asym_sam2_eigen_cor_correction_rms vs Slug



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2158.975+/-0.526 χ^2/NDF:381709.1/10

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

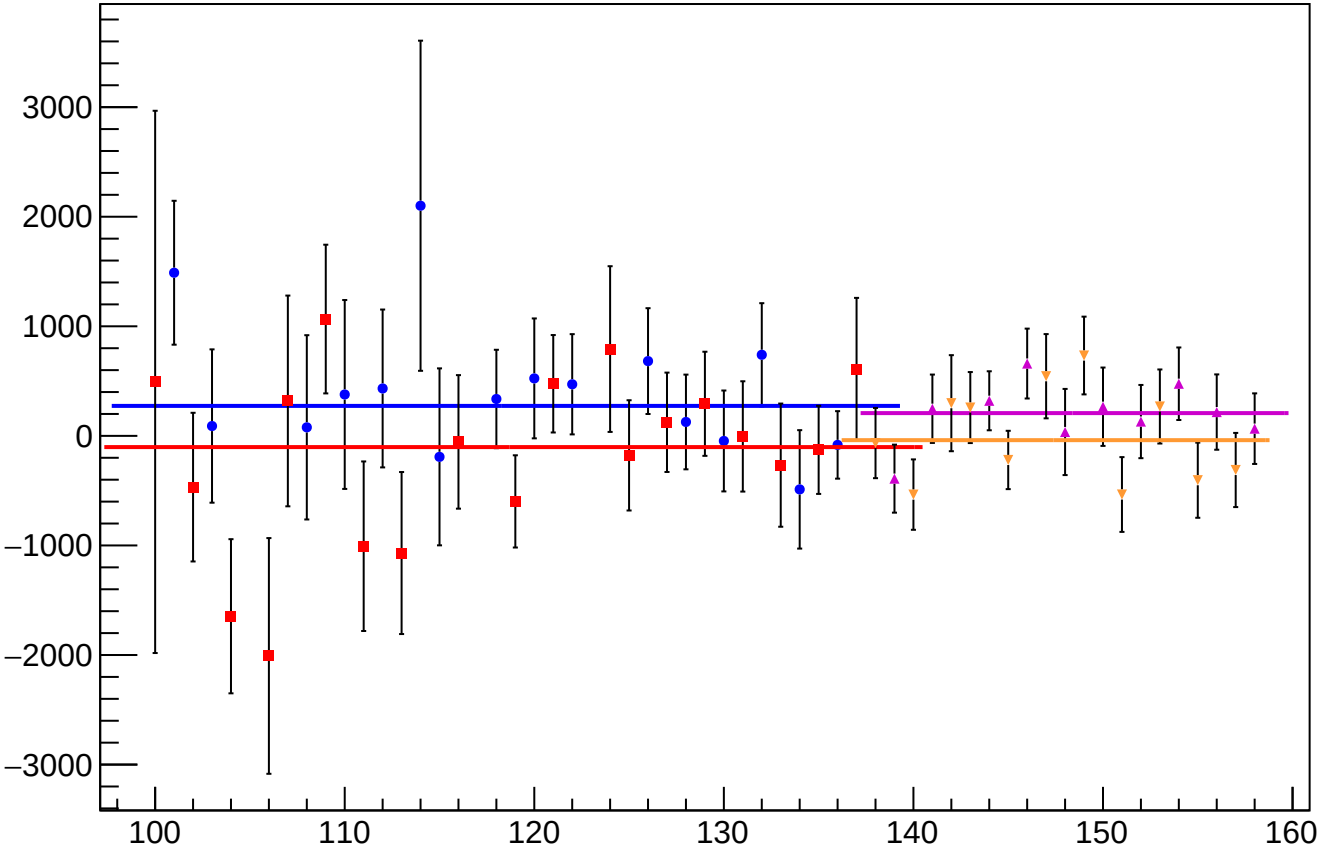
Left In: 2176.031+/-0.526 χ^2/NDF:241108.7/9

+ sign 2461.162+/-0.461 χ^2/NDF: 3114205.6/26

All: 2486.508+/-0.328 χ^2/NDF: 6450225.7/55

- sign 2512.607+/-0.468 χ^2/NDF: 3329885.0/28

dit_asym_sam2_mean vs Slug



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: -39.143+/-101.242 χ^2/NDF:16.1/10

Right Out: -102.369+/-133.606 χ^2/NDF: 21.3/18

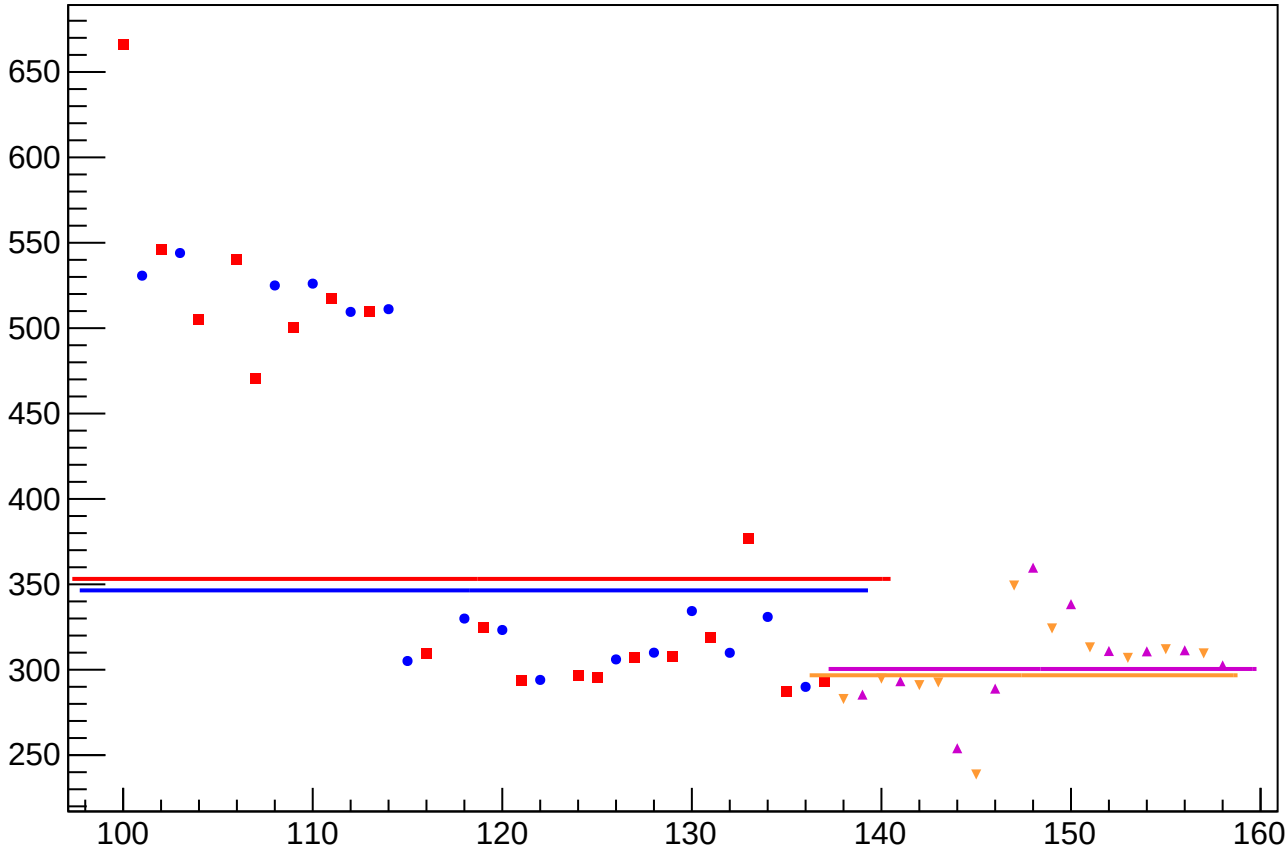
Left In: 207.813+/-102.722 χ^2/NDF:7.0/9

\+ sign 76.092+/-80.455 χ^2/NDF: 31.0/26

All: 84.235+/-57.234 χ^2/NDF: 62.8/55

\- sign 92.578+/-81.435 χ^2/NDF: 31.7/28

dit_asym_sam2_rms vs Slug



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 296.746+/-0.072 χ^2/NDF:162312.2/10

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

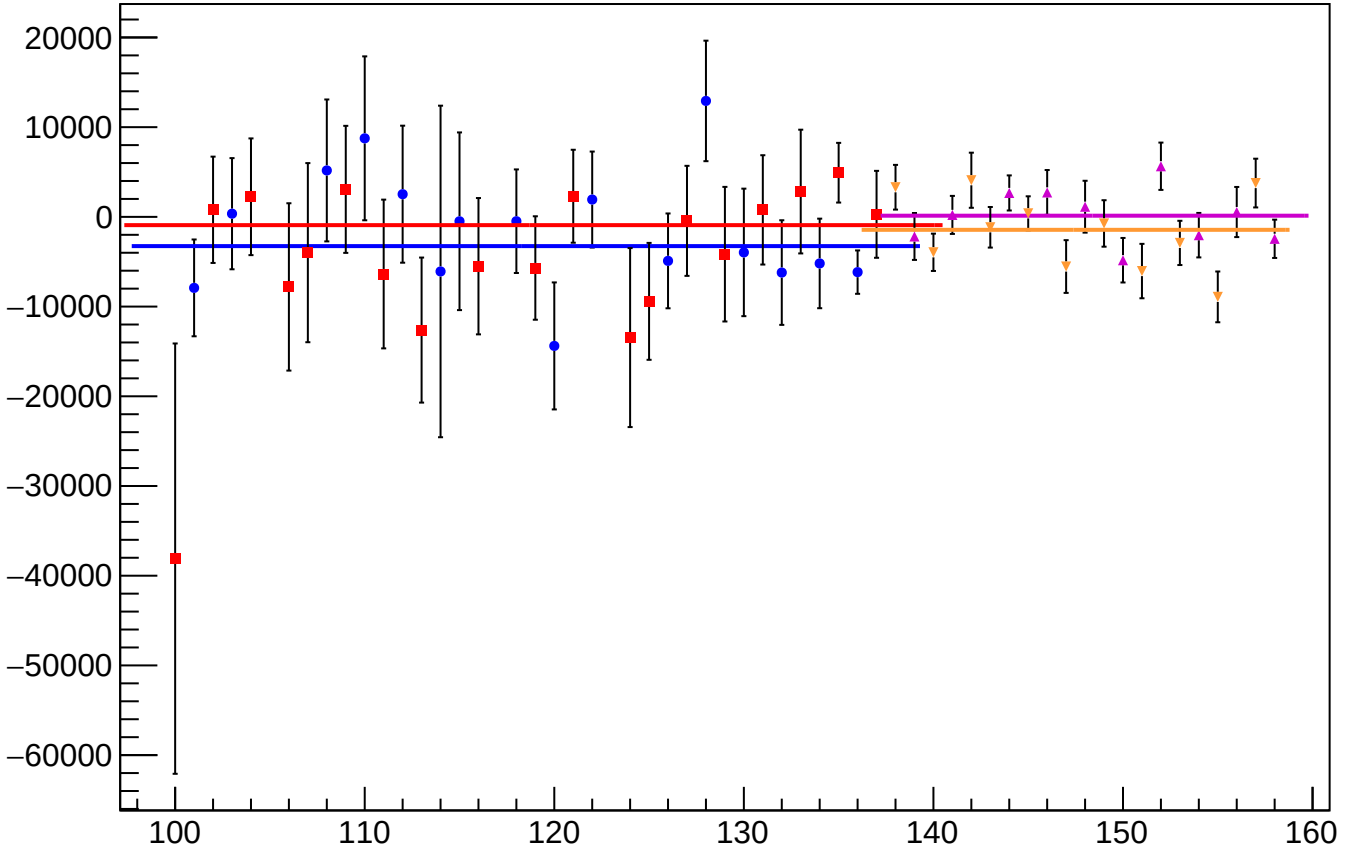
Left In: 300.445+/-0.073 χ^2/NDF:141859.4/9

+ sign 315.063+/-0.057 χ^2/NDF: 1108740.3/26

All: 317.519+/-0.040 χ^2/NDF: 2316546.9/55

- sign 320.036+/-0.058 χ^2/NDF: 1204033.0/28

asym_sam2_dit_correction_mean vs Slug



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -1443.615+/-751.825 χ^2/NDF:24.6/10

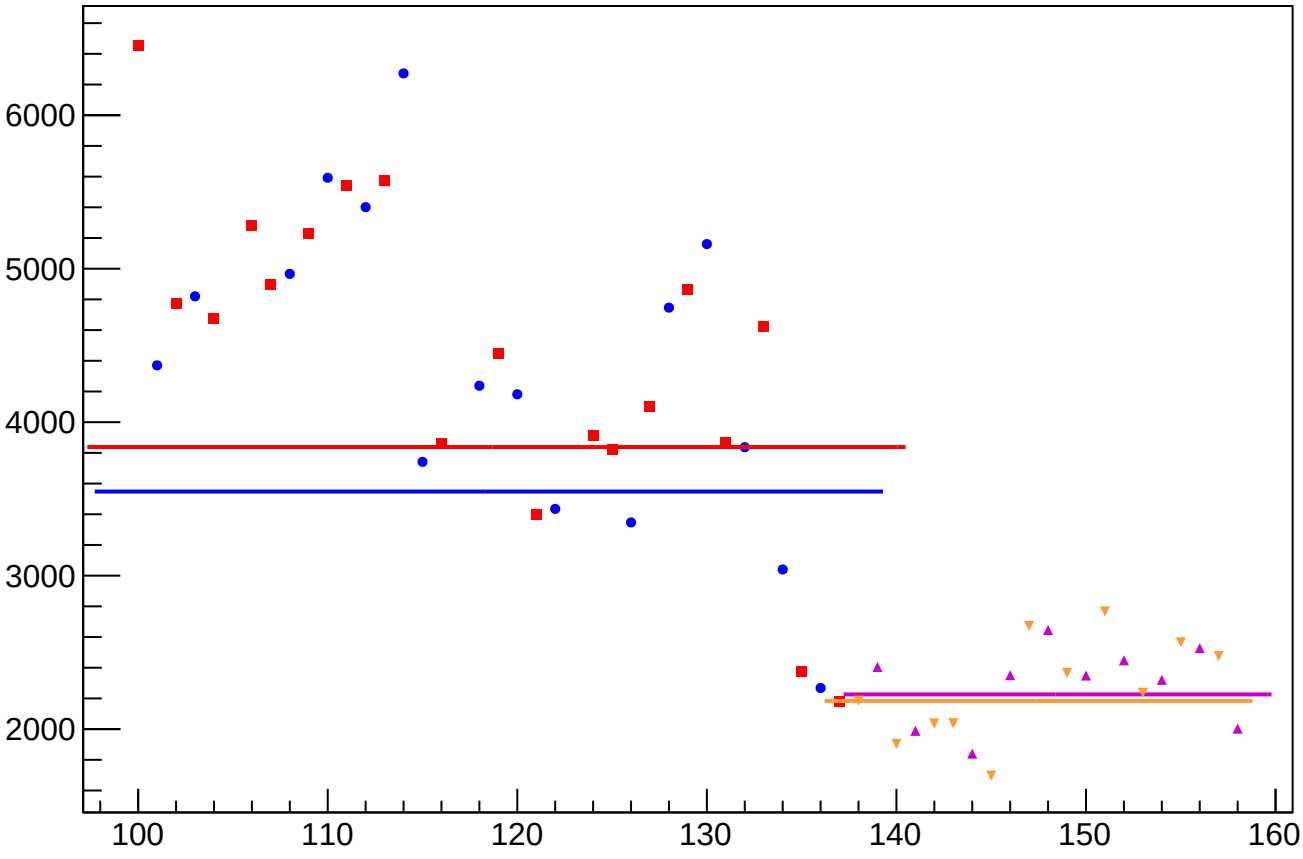
Right Out: -921.196+/-1460.727 χ^2/NDF: 14.6/18

Left In: 131.155+/-760.982 χ^2/NDF:14.3/9

+ sign -1857.159+/-660.657 χ^2/NDF: 41.9/26

All: -994.117+/-472.107 χ^2/NDF: 74.8/55

- sign -93.486+/-674.890 χ^2/NDF: 29.3/28



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 2183.743+/-0.532 χ^2/NDF:379864.2/10

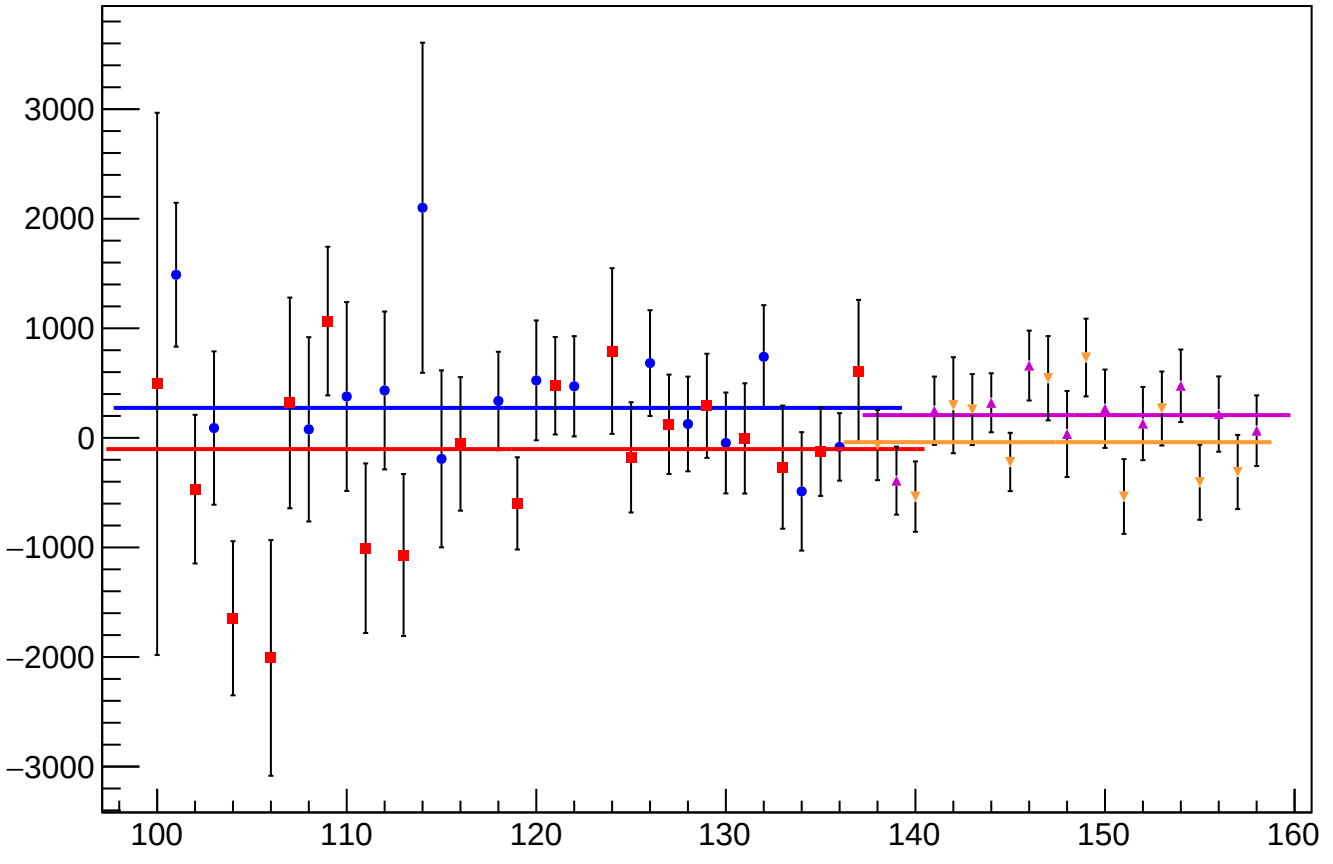
Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

Left In: 2226.144+/-0.538 χ^2/NDF:226439.3/9

+ sign 2494.542+/-0.467 χ^2/NDF: 3138593.3/26

All: 2531.571+/-0.334 χ^2/NDF: 6449042.2/55

- sign 2570.214+/-0.477 χ^2/NDF: 3297608.9/28



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -39.147+/-101.242 χ^2/NDF:16.1/10

Right Out: -102.368+/-133.606 χ^2/NDF: 21.3/18

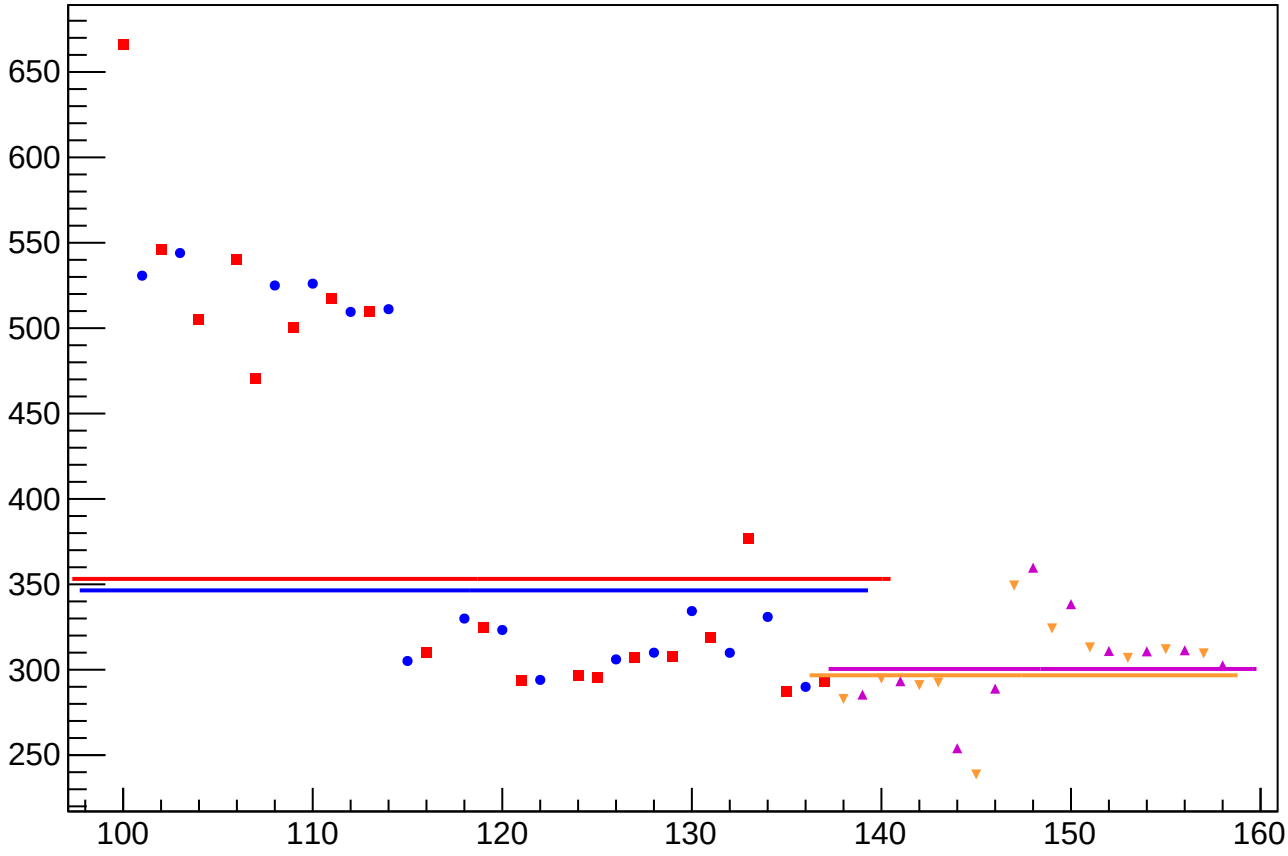
Left In: 207.816+/-102.722 χ^2/NDF:7.0/9

\+ sign 76.092+/-80.455 χ^2/NDF: 31.0/26

All: 84.236+/-57.233 χ^2/NDF: 62.8/55

\- sign 92.579+/-81.435 χ^2/NDF: 31.7/28

eigen_dit_asym_sam2_rms vs Slug



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 296.746+/-0.072 χ^2/NDF:162315.7/10

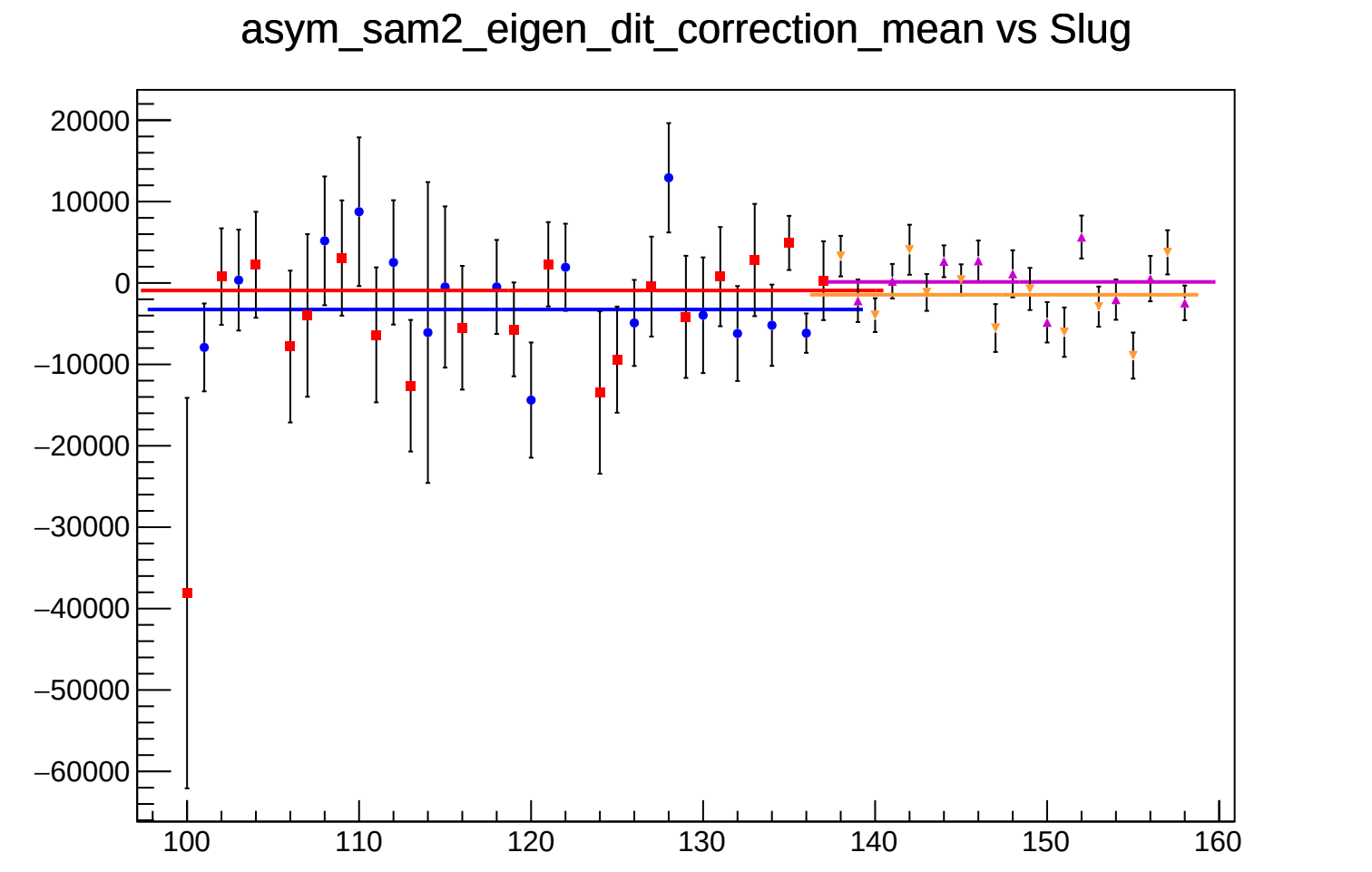
Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

Left In: 300.445+/-0.073 χ^2/NDF:141861.0/9

+ sign 315.063+/-0.057 χ^2/NDF: 1108720.6/26

All: 317.519+/-0.040 χ^2/NDF: 2316509.9/55

- sign 320.035+/-0.058 χ^2/NDF: 1204015.6/28



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -1443.616+/-751.825 χ^2/NDF:24.6/10

Right Out: -921.200+/-1460.725 χ^2/NDF: 14.6/18

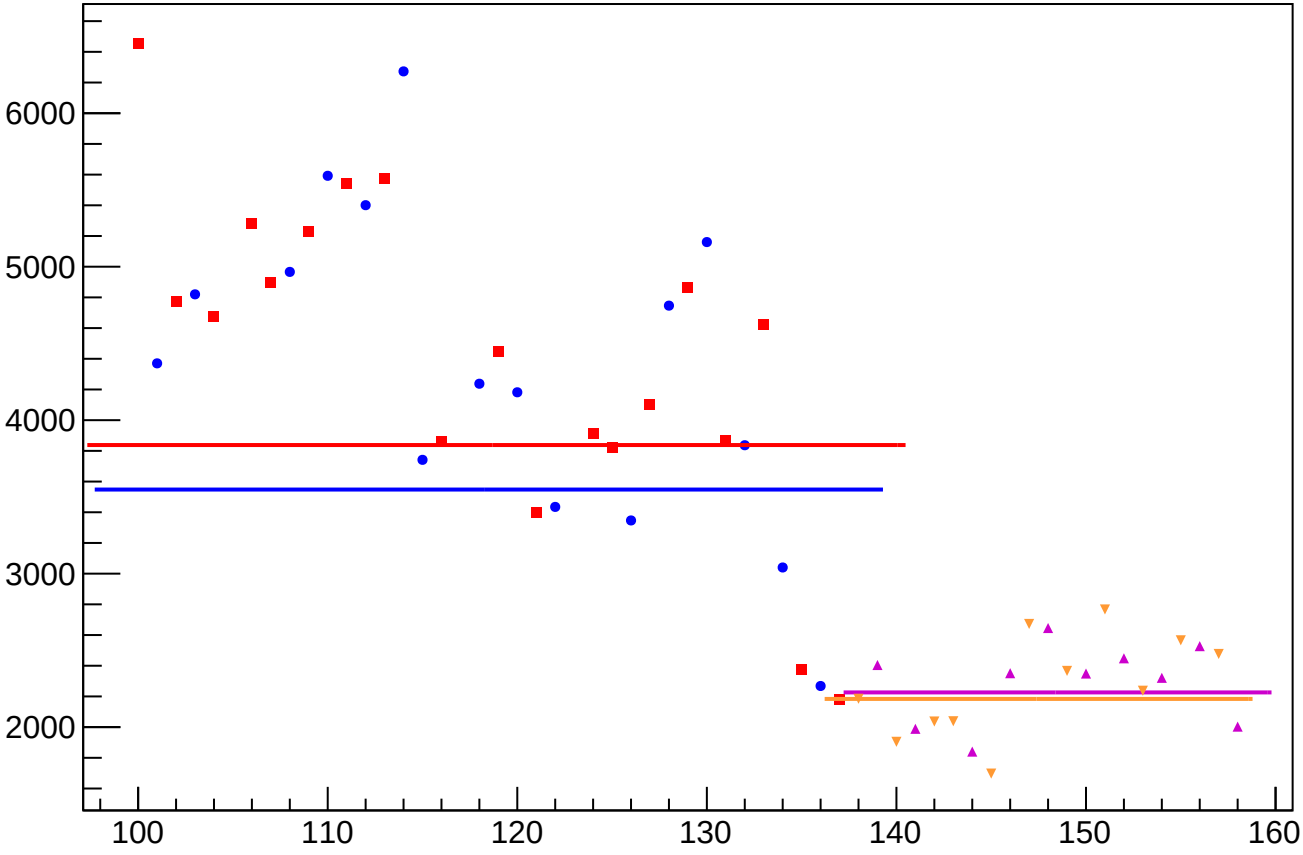
Left In: 131.154+/-760.982 χ^2/NDF:14.3/9

+ sign -1857.159+/-660.657 χ^2/NDF: 41.9/26

All: -994.117+/-472.107 χ^2/NDF: 74.8/55

- sign -93.488+/-674.890 χ^2/NDF: 29.3/28

asym_sam2_eigen_dit_correction_rms vs Slug



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2183.742+/-0.532 χ^2/NDF:379870.7/10

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

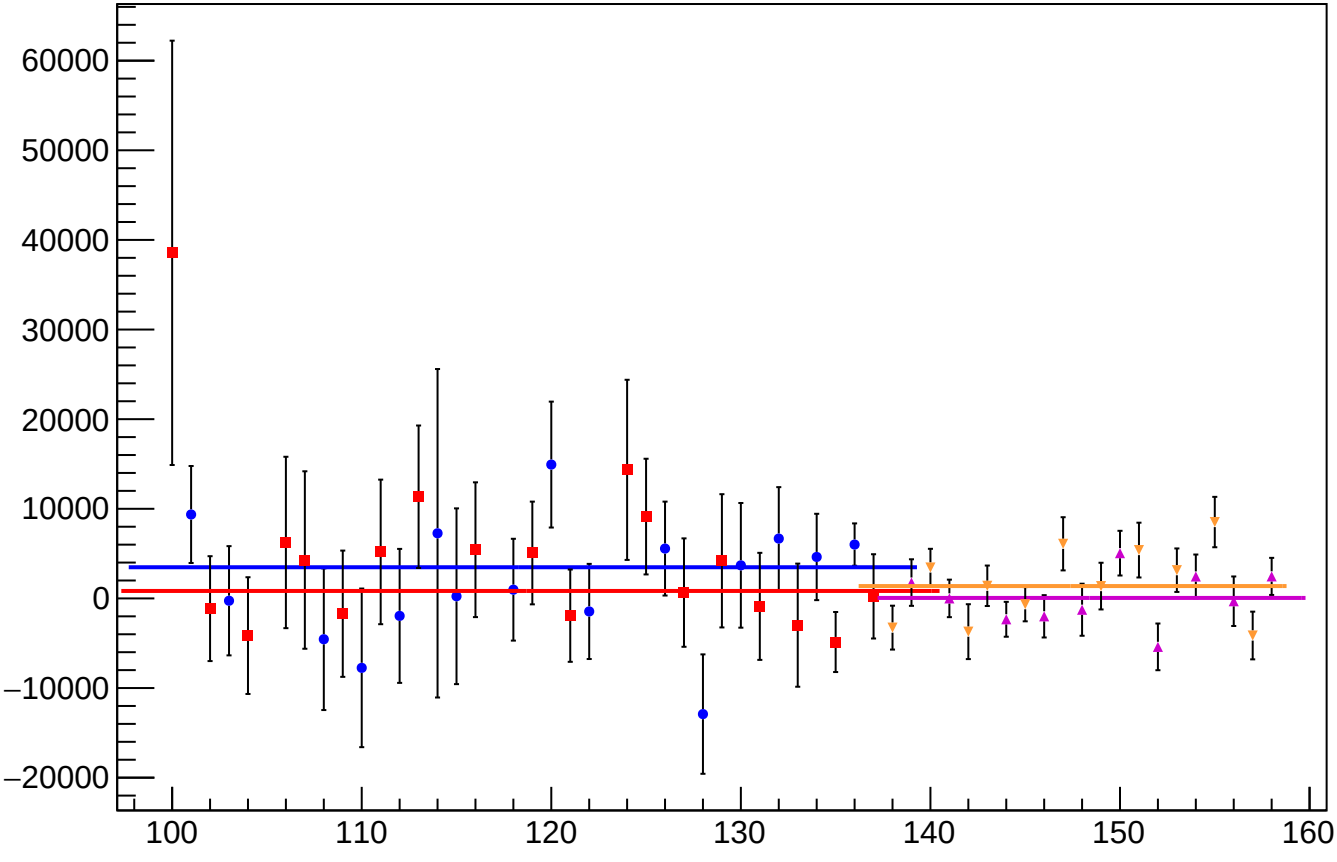
Left In: 2226.144+/-0.538 χ^2/NDF:226440.8/9

+ sign 2494.540+/-0.467 χ^2/NDF: 3138584.7/26

All: 2531.570+/-0.334 χ^2/NDF: 6449020.7/55

- sign 2570.213+/-0.477 χ^2/NDF: 3297595.9/28

asym_sam2_mean vs Slug



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 1378.970+/-749.648 χ^2/NDF:24.0/10

Right Out: 832.583+/-1449.649 χ^2/NDF: 14.0/18

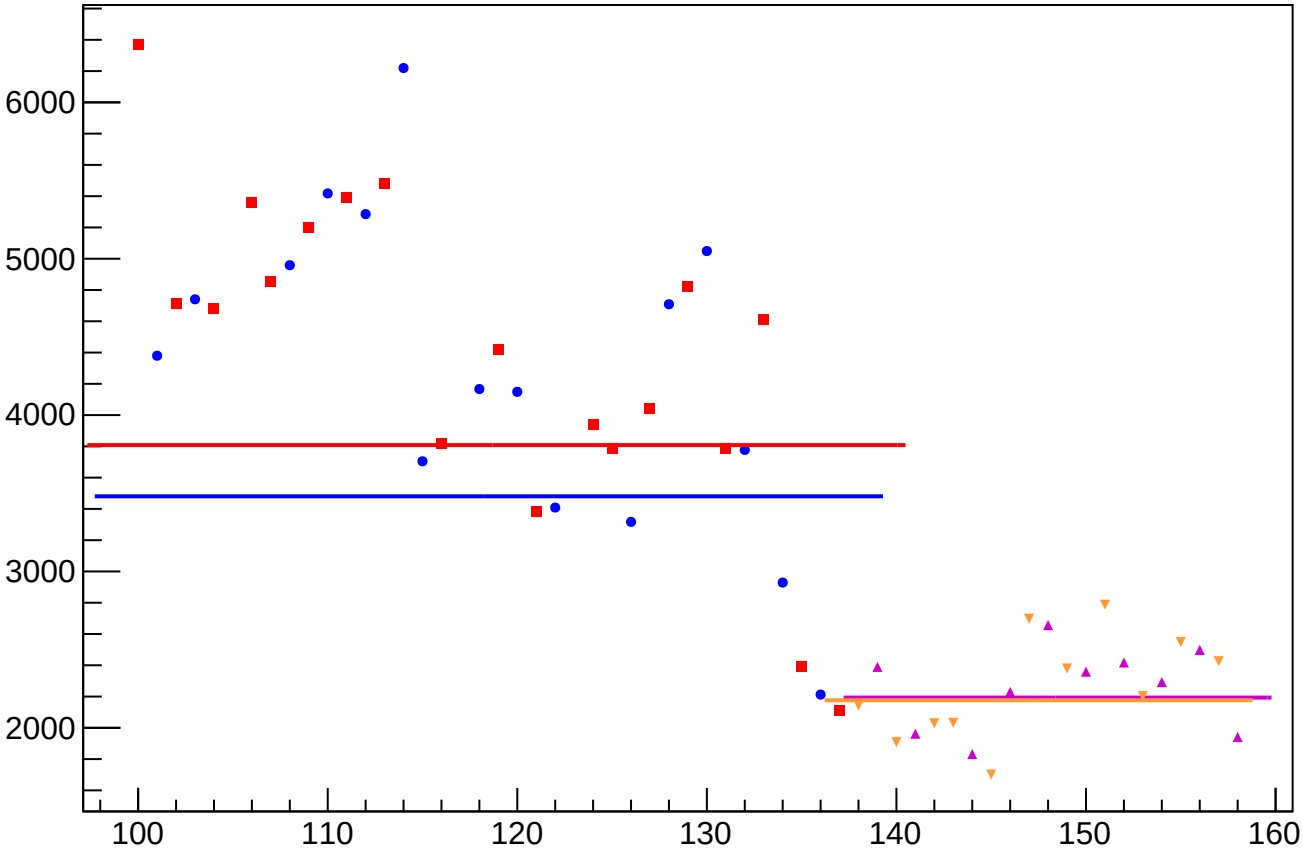
Left In: 54.529+/-749.942 χ^2/NDF:13.6/9

+ sign 1868.001+/-656.558 χ^2/NDF: 42.1/26

All: 1055.282+/-467.590 χ^2/NDF: 73.1/55

- sign 218.795+/-666.089 χ^2/NDF: 27.9/28

asym_sam2_rms vs Slug



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2176.096+/-0.530 χ^2/NDF:376939.4/10

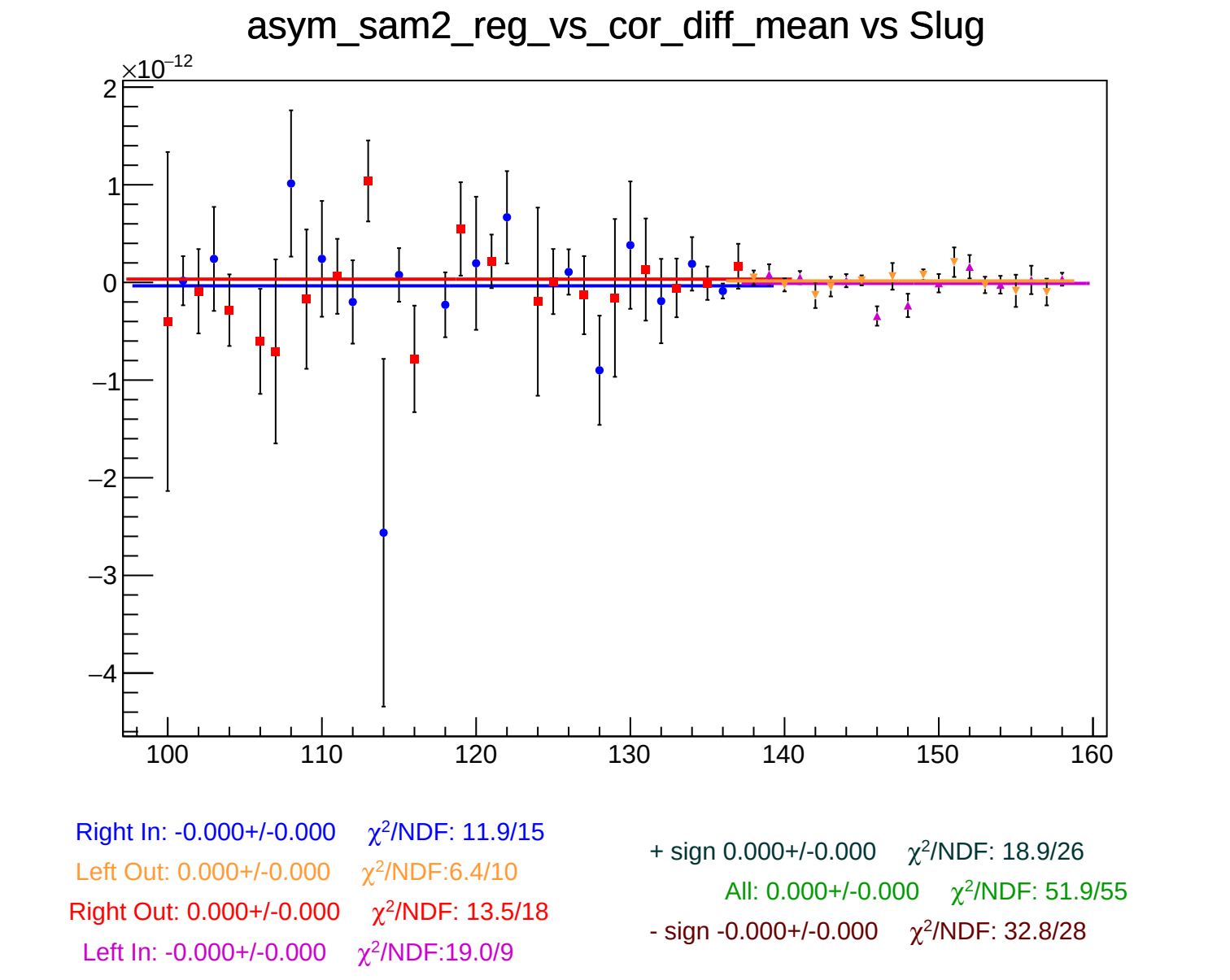
Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

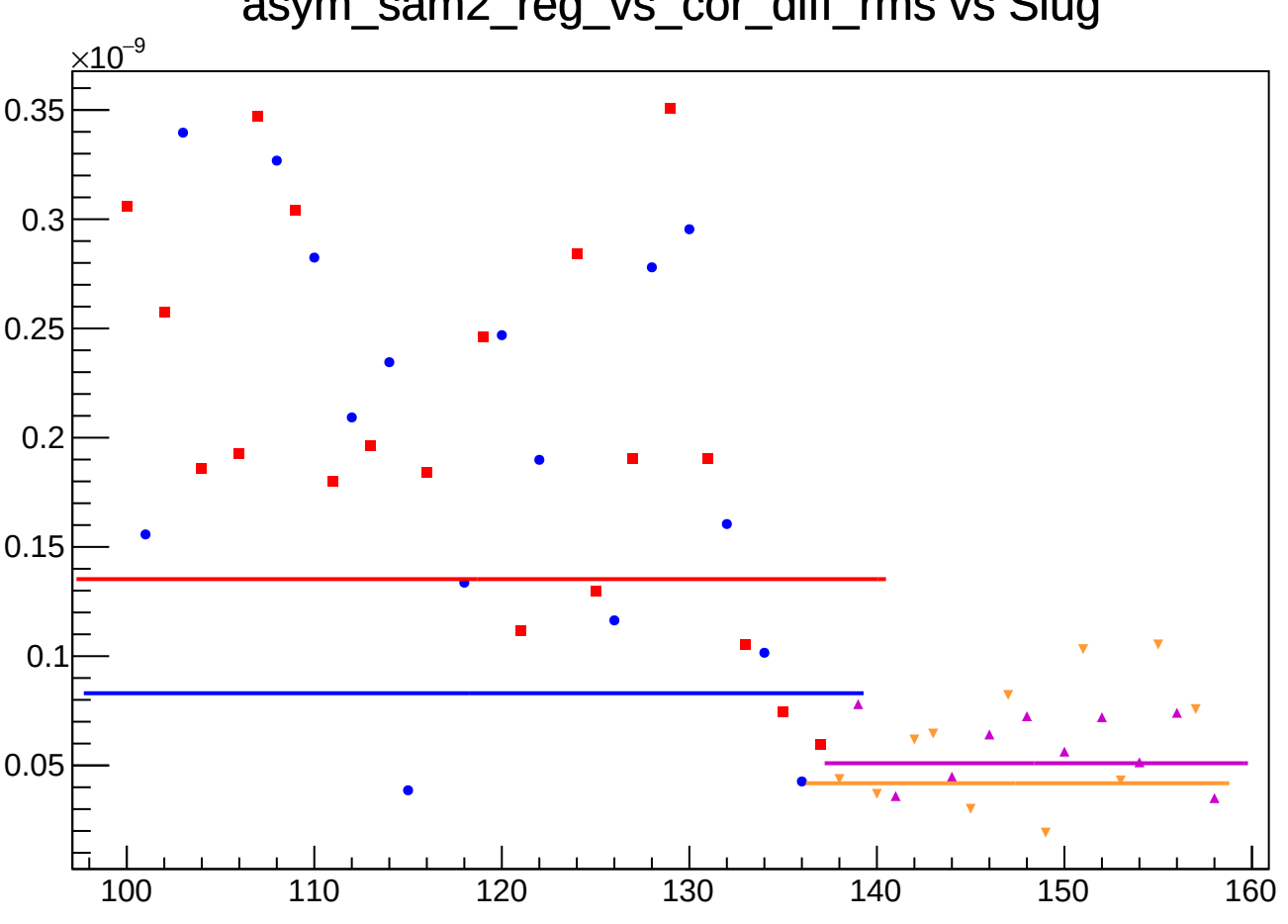
Left In: 2193.326+/-0.530 χ^2/NDF:237071.1/9

+ sign 2479.955+/-0.464 χ^2/NDF: 3084231.3/26

All: 2506.714+/-0.331 χ^2/NDF: 6433388.2/55

- sign 2534.255+/-0.471 χ^2/NDF: 3342415.4/28


asym_sam2_reg_vs_cor_diff_mean vs Slug
×10^−12
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 11.9/15
Left Out: 0.000+/-0.000 χ²/NDF:6.4/10
Right Out: 0.000+/-0.000 χ²/NDF: 13.5/18
Left In: -0.000+/-0.000 χ²/NDF:19.0/9
+ sign 0.000+/-0.000 χ²/NDF: 18.9/26
All: 0.000+/-0.000 χ²/NDF: 51.9/55
- sign -0.000+/-0.000 χ²/NDF: 32.8/28



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1517912.2/10

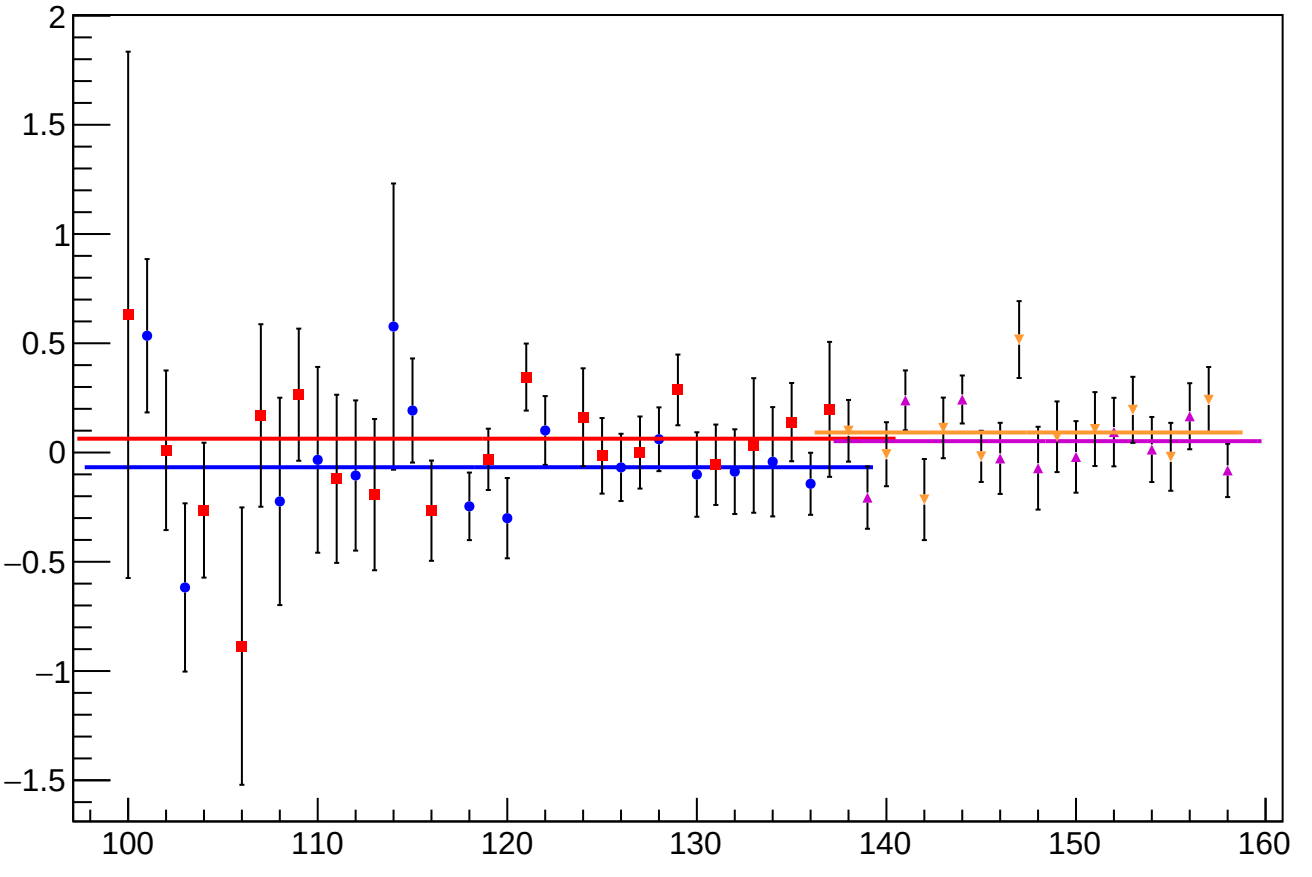
Right Out: 0.000+/-0.000 χ^2/NDF: 1401659.7/18

Left In: 0.000+/-0.000 χ^2/NDF:581616.7/9

+ sign 0.000+/-0.000 χ^2/NDF: 5010374.6/26

All: 0.000+/-0.000 χ^2/NDF: 8984358.6/55

- sign 0.000+/-0.000 χ^2/NDF: 3763666.9/28



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.092+/-0.045 χ^2/NDF:11.9/10

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

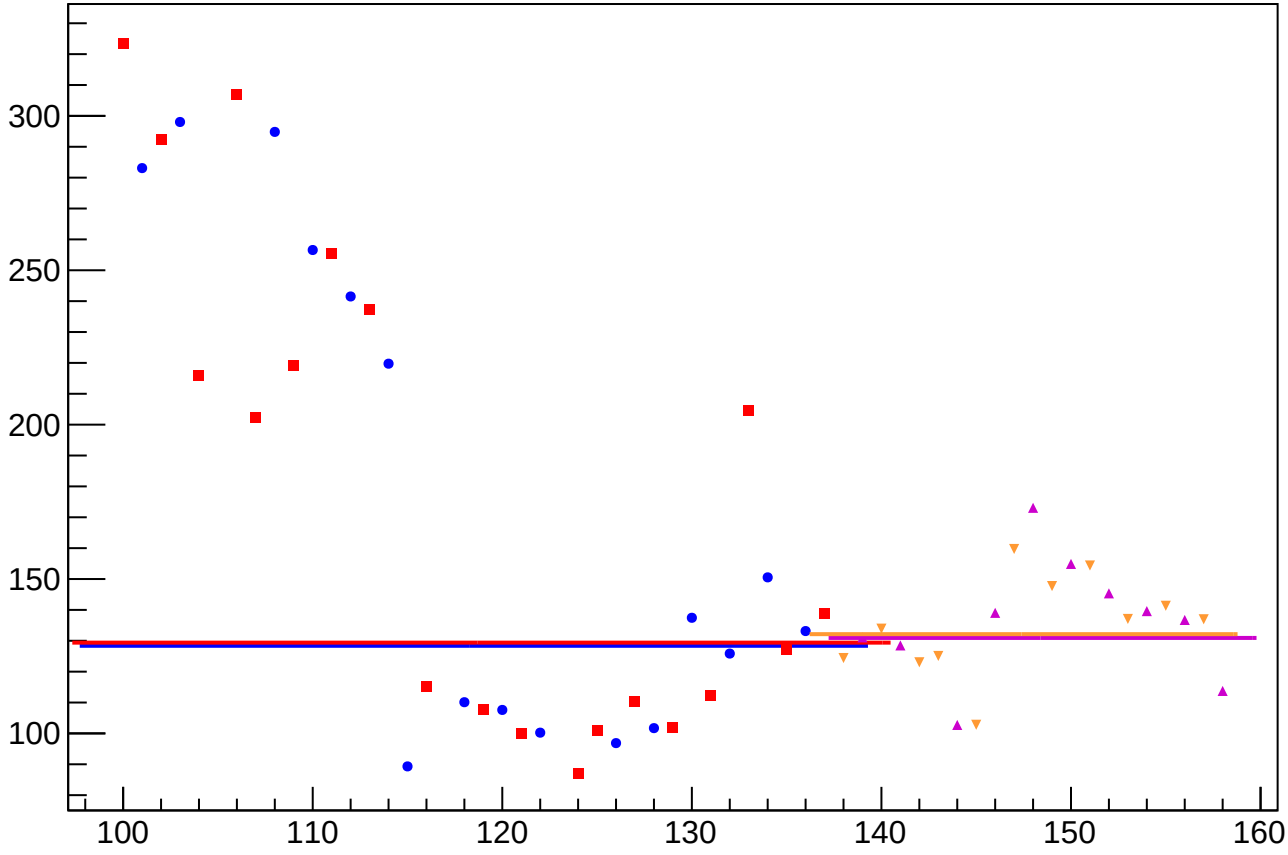
Left In: 0.052+/-0.045 χ^2/NDF:10.9/9

+ sign 0.023+/-0.034 χ^2/NDF: 29.7/26

All: 0.040+/-0.024 χ^2/NDF: 55.2/55

- sign 0.057+/-0.034 χ^2/NDF: 25.0/28

asym_sam2_dit_vs_cor_diff_rms vs Slug



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 132.144+/-0.032 χ^2/NDF:255289.7/10

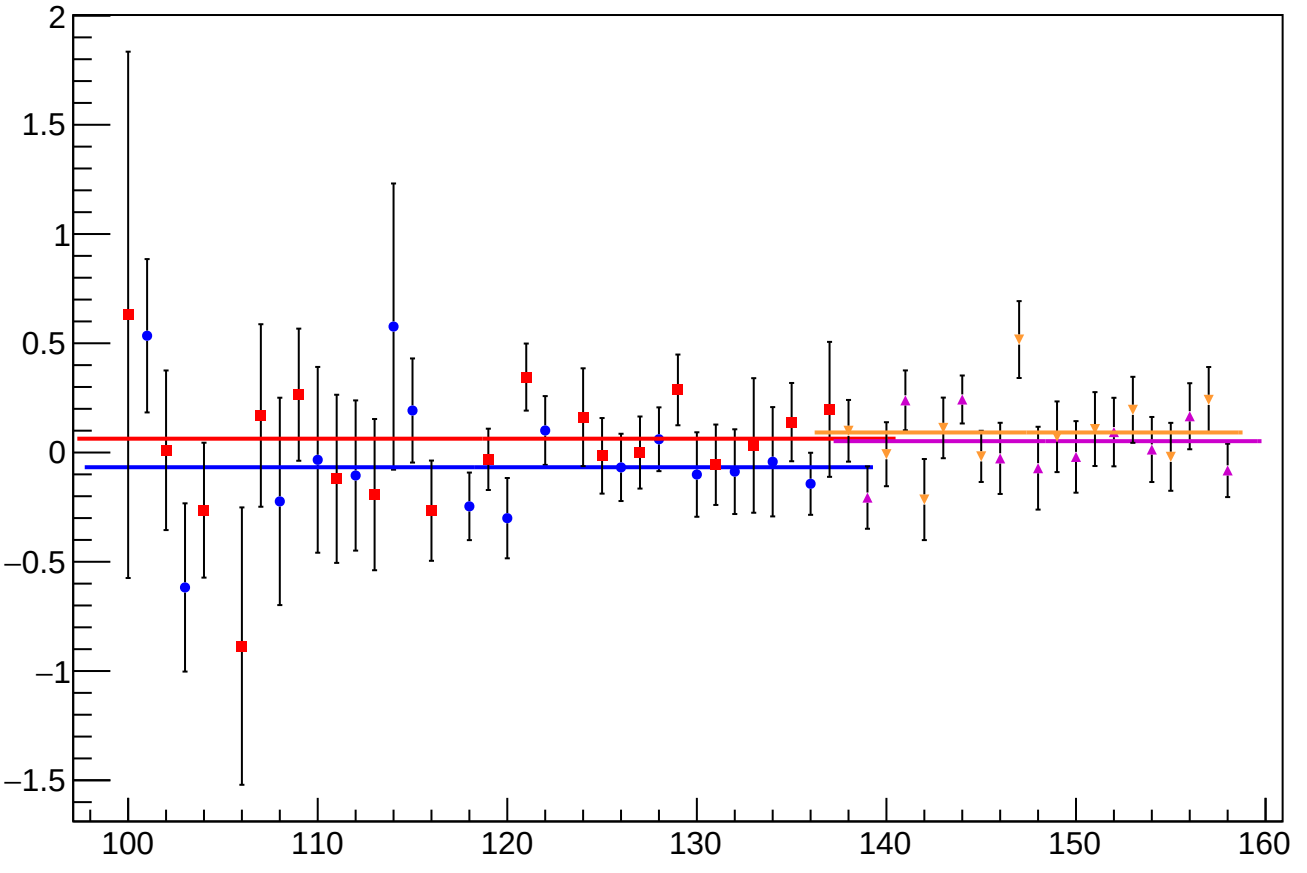
Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 130.922+/-0.032 χ^2/NDF:345314.6/9

+ sign 130.508+/-0.024 χ^2/NDF: 2066347.6/26

All: 130.383+/-0.017 χ^2/NDF: 4300969.8/55

- sign 130.258+/-0.024 χ^2/NDF: 2234568.2/28



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.092+/-0.045 χ^2/NDF:11.9/10

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

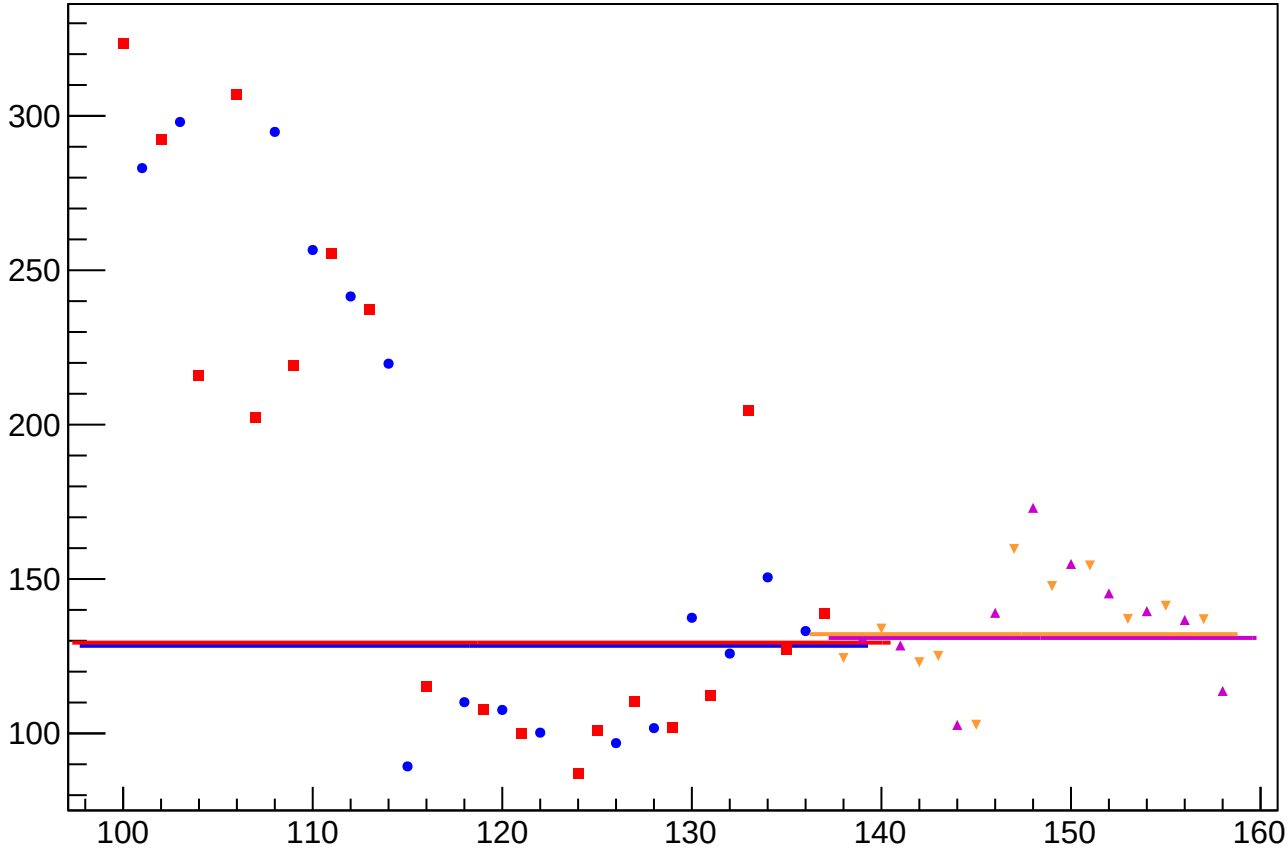
Left In: 0.052+/-0.045 χ^2/NDF:10.9/9

+ sign 0.023+/-0.034 χ^2/NDF: 29.7/26

All: 0.040+/-0.024 χ^2/NDF: 55.2/55

- sign 0.057+/-0.034 χ^2/NDF: 25.0/28

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 132.144+/-0.032 χ^2/NDF:255289.7/10

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

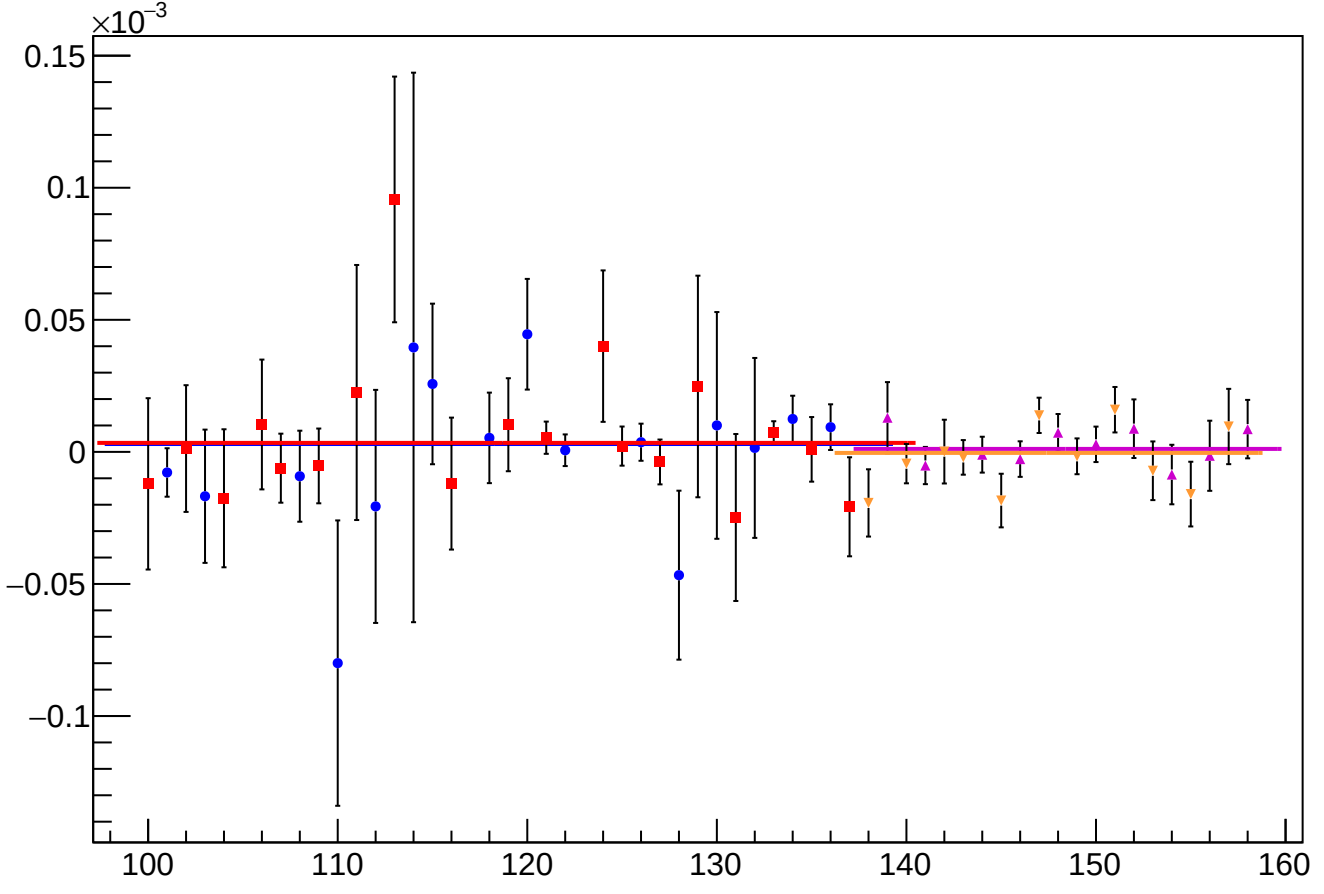
Left In: 130.922+/-0.032 χ^2/NDF:345314.6/9

+ sign 130.508+/-0.024 χ^2/NDF: 2066347.6/26

All: 130.383+/-0.017 χ^2/NDF: 4300969.8/55

- sign 130.258+/-0.024 χ^2/NDF: 2234568.2/28

asym_sam2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/10

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/18

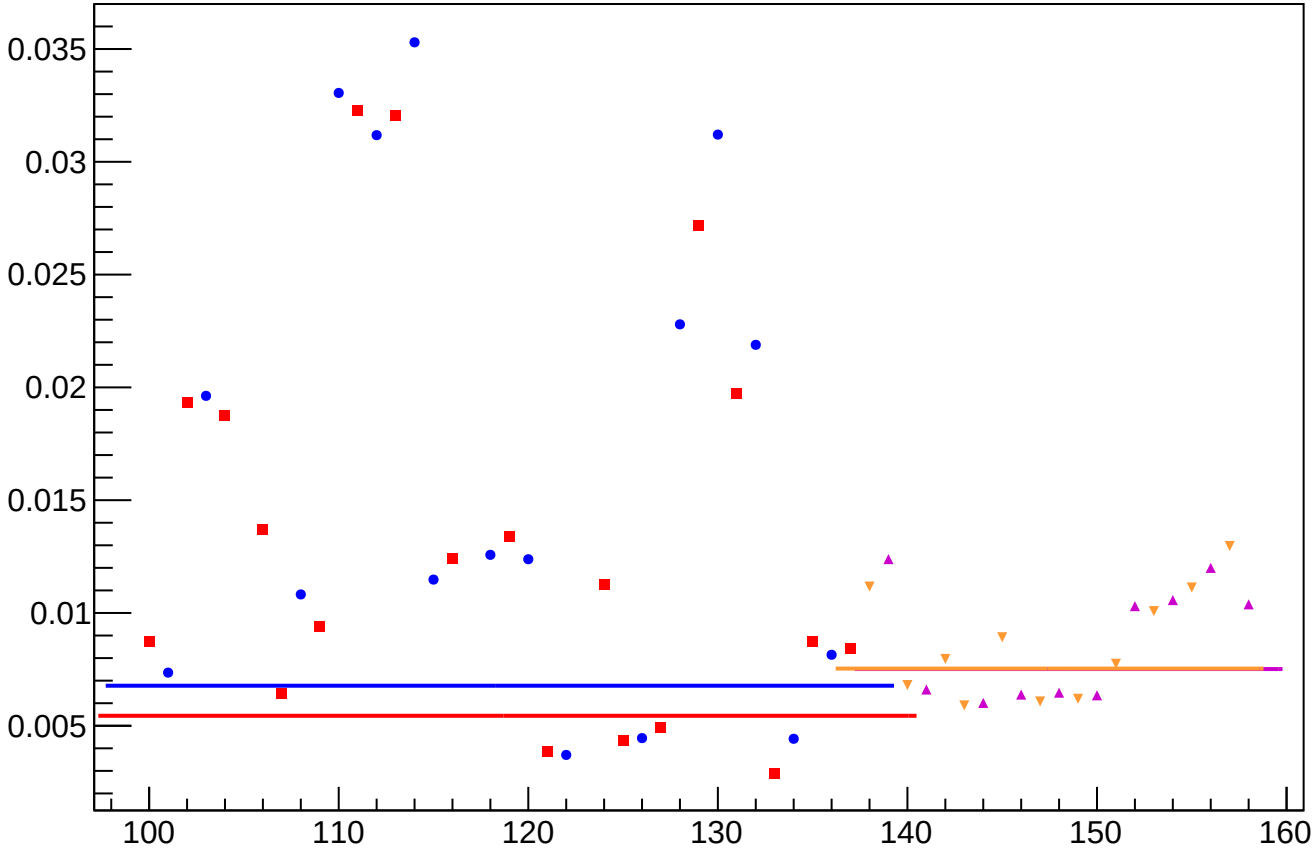
Left In: 0.000+/-0.000 χ^2/NDF:4.5/9

+ sign 0.000+/-0.000 χ^2/NDF: 31.2/26

All: 0.000+/-0.000 χ^2/NDF: 48.9/55

- sign 0.000+/-0.000 χ^2/NDF: 17.5/28

asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 4772275.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:1088533.6/10

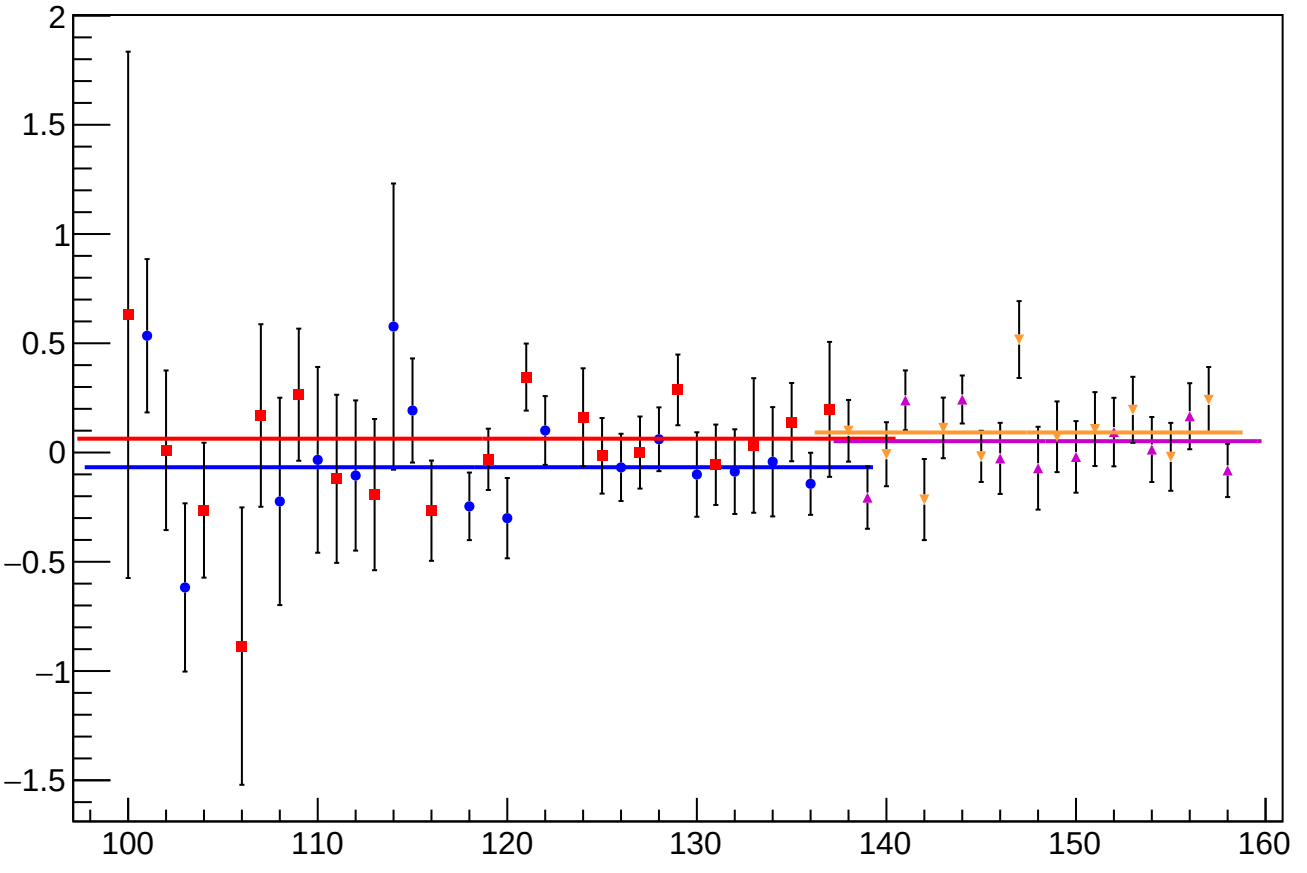
Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

Left In: 0.008+/-0.000 χ^2/NDF:1189567.0/9

+ sign 0.007+/-0.000 χ^2/NDF: 5928886.9/26

All: 0.007+/-0.000 χ^2/NDF: 13466872.7/55

- sign 0.006+/-0.000 χ^2/NDF: 7383489.6/28



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.092+/-0.045 χ^2/NDF:11.9/10

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

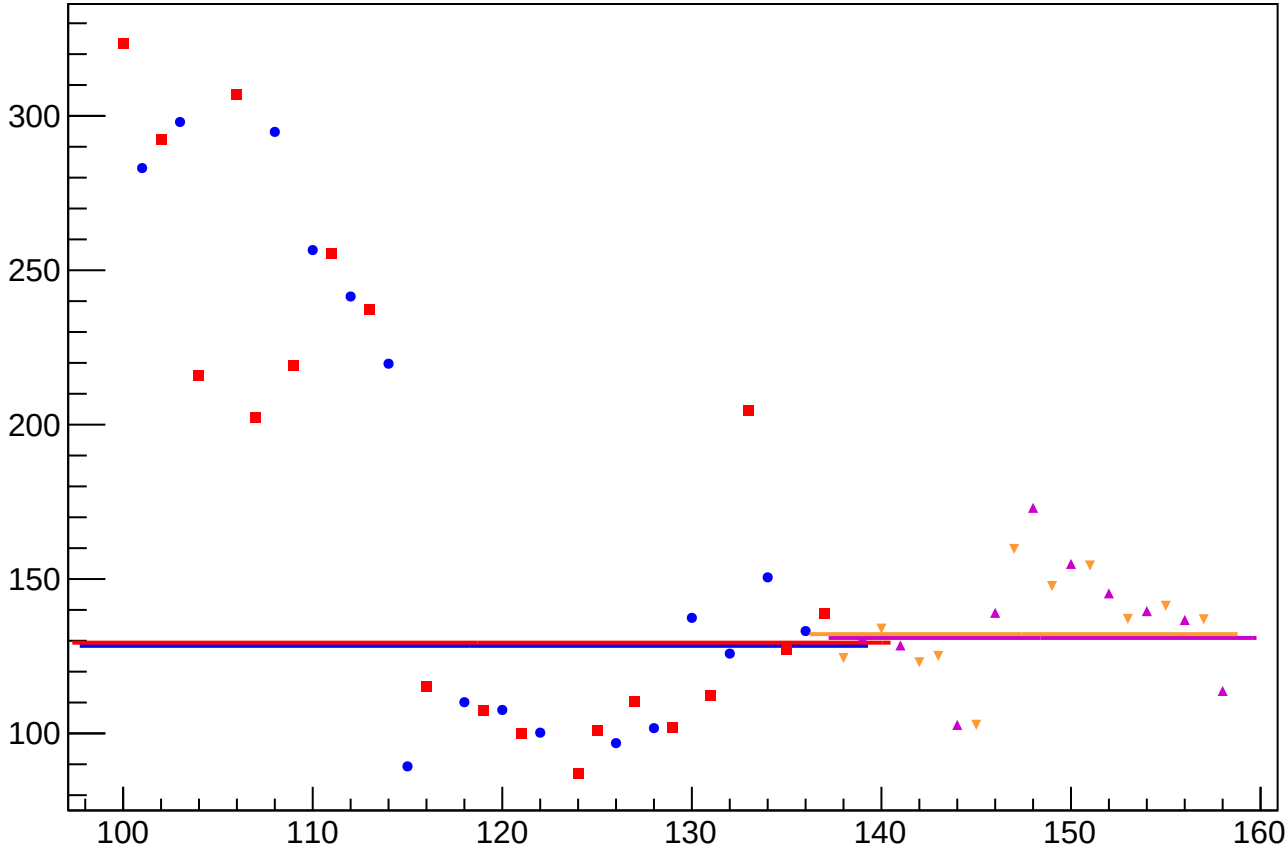
Left In: 0.052+/-0.045 χ^2/NDF:10.9/9

+ sign 0.023+/-0.034 χ^2/NDF: 29.7/26

All: 0.040+/-0.024 χ^2/NDF: 55.2/55

- sign 0.057+/-0.034 χ^2/NDF: 25.0/28

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 132.144+/-0.032 χ^2/NDF:255310.5/10

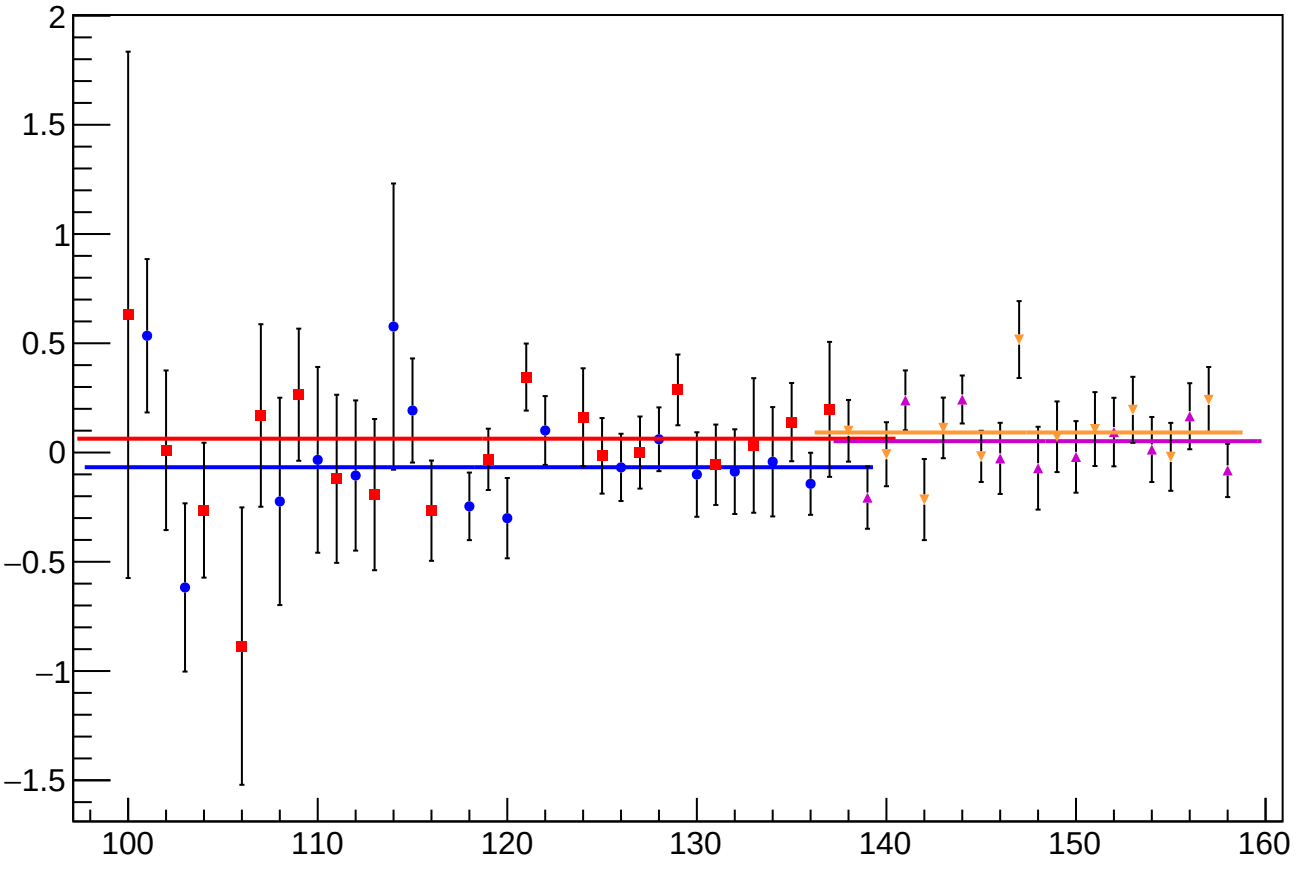
Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 130.922+/-0.032 χ^2/NDF:345329.8/9

+ sign 130.507+/-0.024 χ^2/NDF: 2066327.0/26

All: 130.382+/-0.017 χ^2/NDF: 4300969.4/55

- sign 130.256+/-0.024 χ^2/NDF: 2234588.2/28



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.092+/-0.045 χ^2/NDF:11.9/10

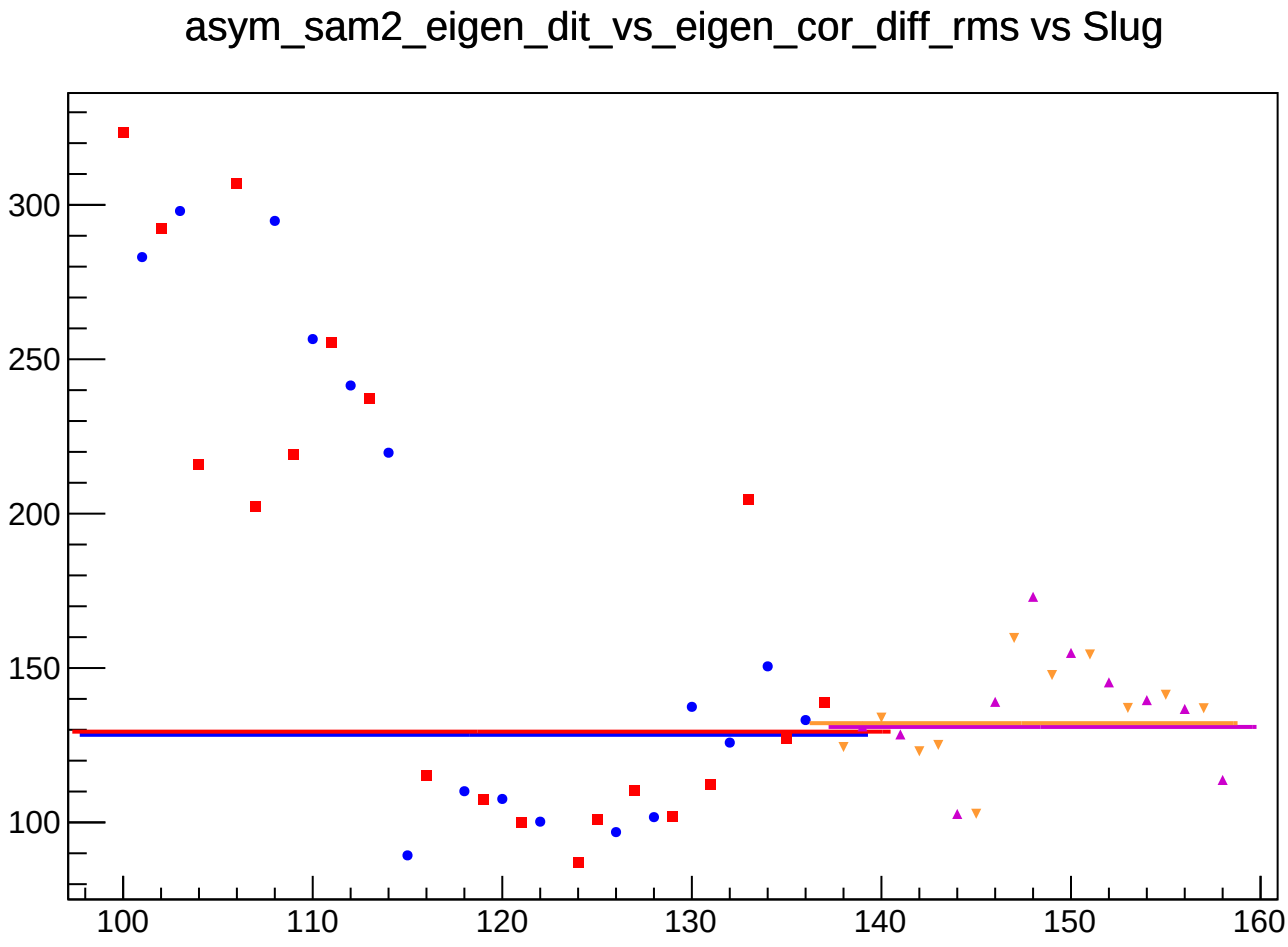
Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.052+/-0.045 χ^2/NDF:10.9/9

+ sign 0.023+/-0.034 χ^2/NDF: 29.7/26

All: 0.040+/-0.024 χ^2/NDF: 55.2/55

- sign 0.057+/-0.034 χ^2/NDF: 25.0/28



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 132.144+/-0.032 χ^2/NDF:255310.5/10

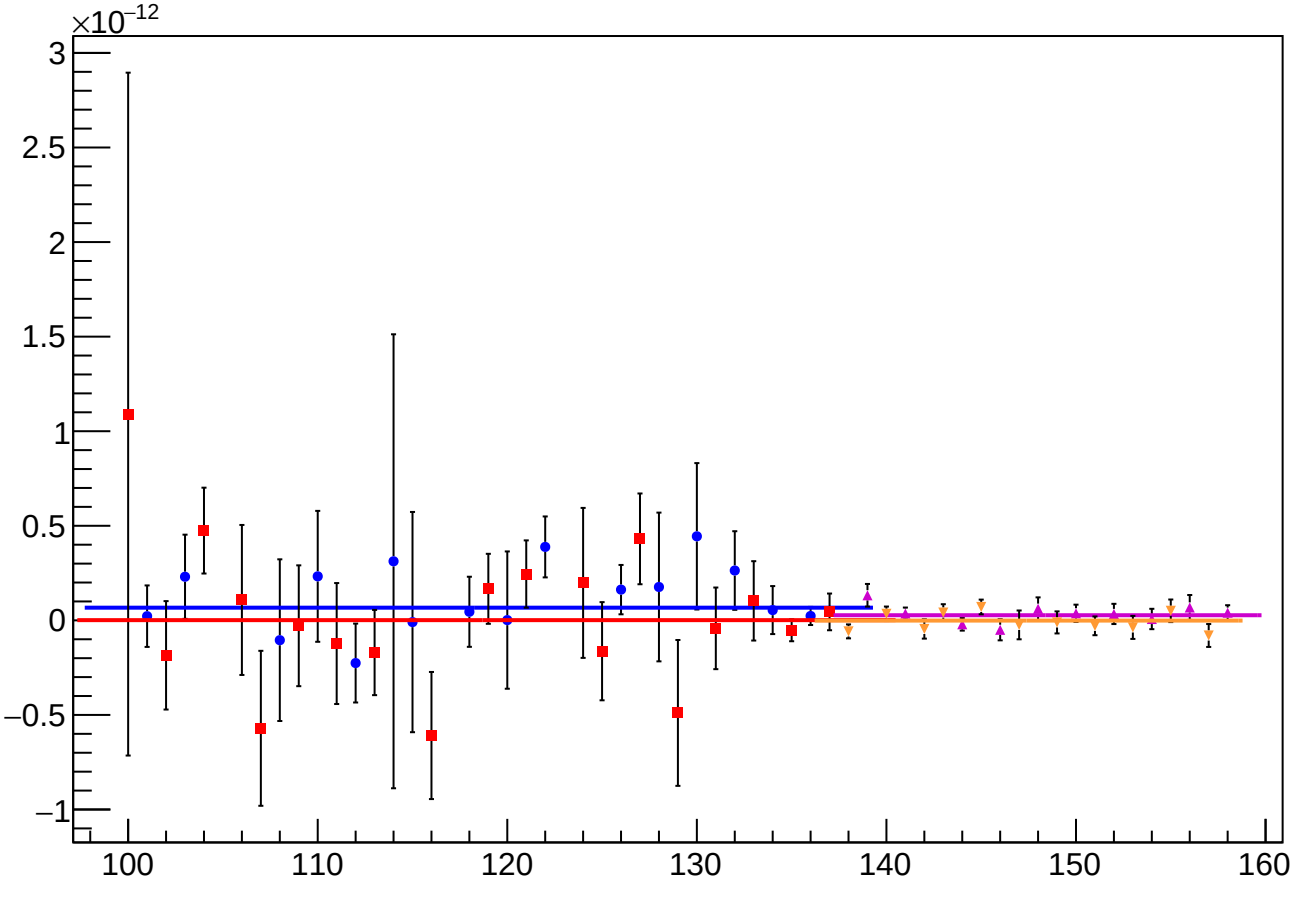
Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 130.922+/-0.032 χ^2/NDF:345329.8/9

+ sign 130.507+/-0.024 χ^2/NDF: 2066327.0/26

All: 130.382+/-0.017 χ^2/NDF: 4300969.4/55

- sign 130.256+/-0.024 χ^2/NDF: 2234588.2/28



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.6/10

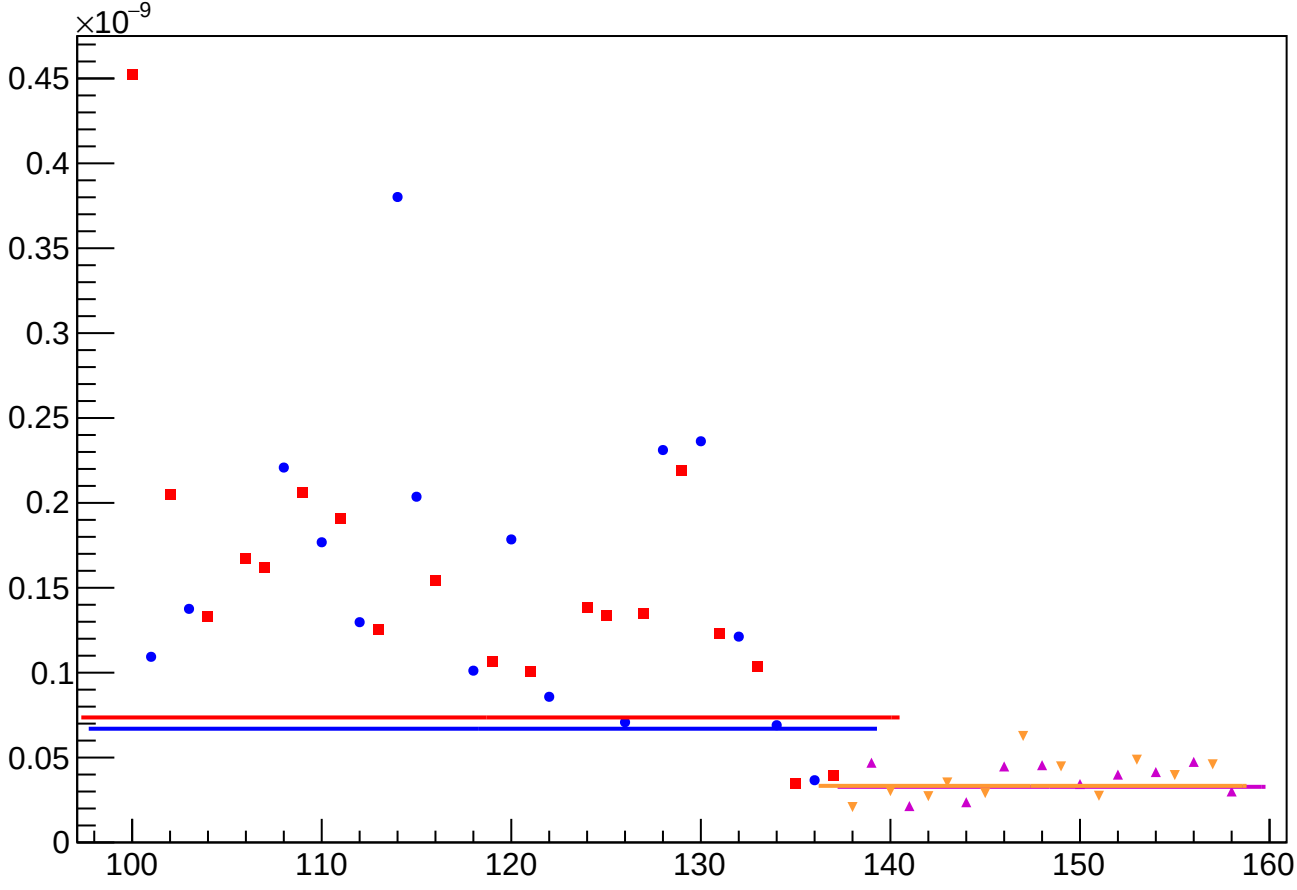
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: 0.000+/-0.000 χ^2/NDF:8.1/9

+ sign 0.000+/-0.000 χ^2/NDF: 25.0/26

All: 0.000+/-0.000 χ^2/NDF: 54.9/55

- sign 0.000+/-0.000 χ^2/NDF: 29.2/28



Right In: 0.000+/-0.000 χ^2/NDF: 3180725.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:940238.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 3653663.9/18

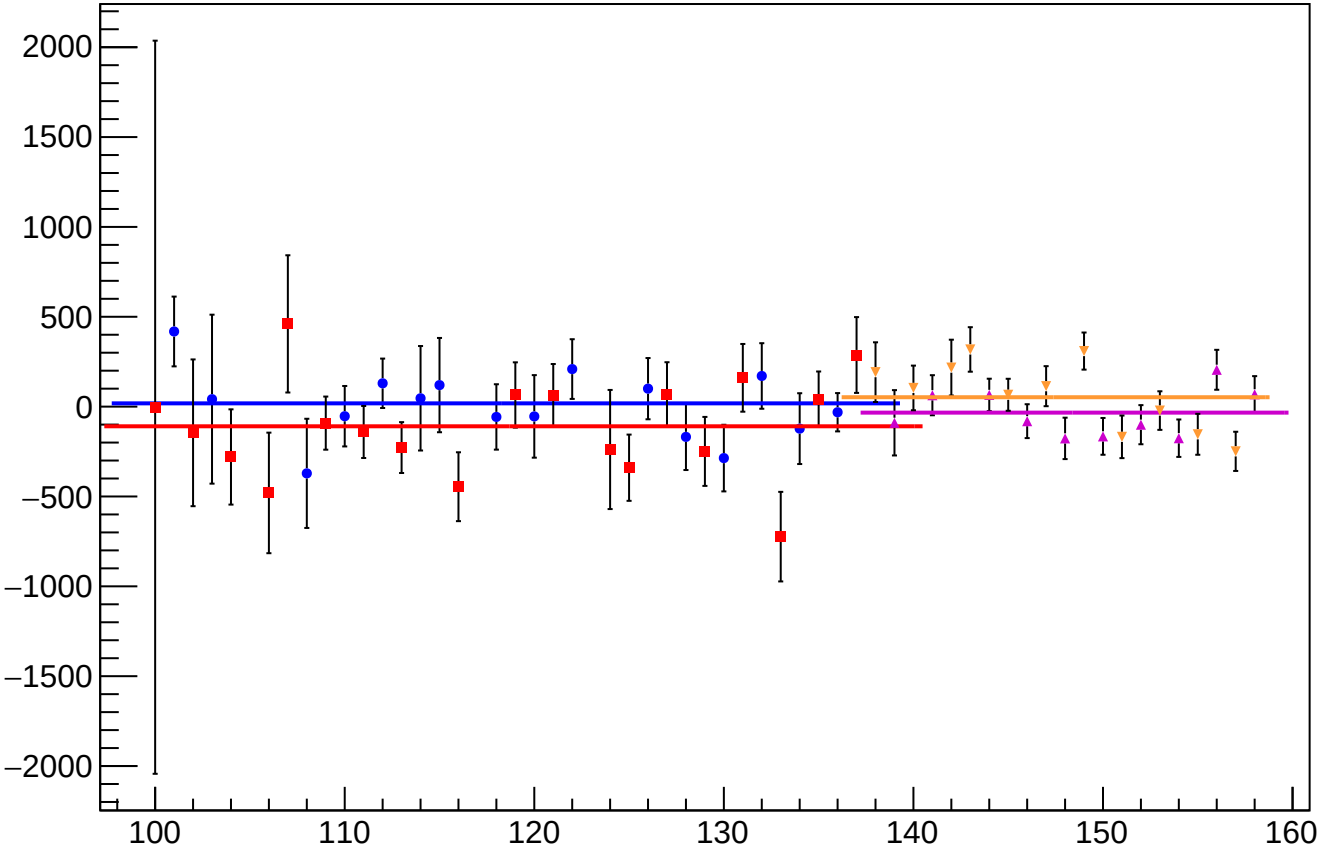
Left In: 0.000+/-0.000 χ^2/NDF:898099.5/9

+ sign 0.000+/-0.000 χ^2/NDF: 5612369.8/26

All: 0.000+/-0.000 χ^2/NDF: 12063839.6/55

- sign 0.000+/-0.000 χ^2/NDF: 6450161.2/28

reg_asym_sam3_mean vs Slug



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 52.265+/-34.759 χ^2/NDF:28.0/10

Right Out: -109.432+/-45.825 χ^2/NDF: 25.5/18

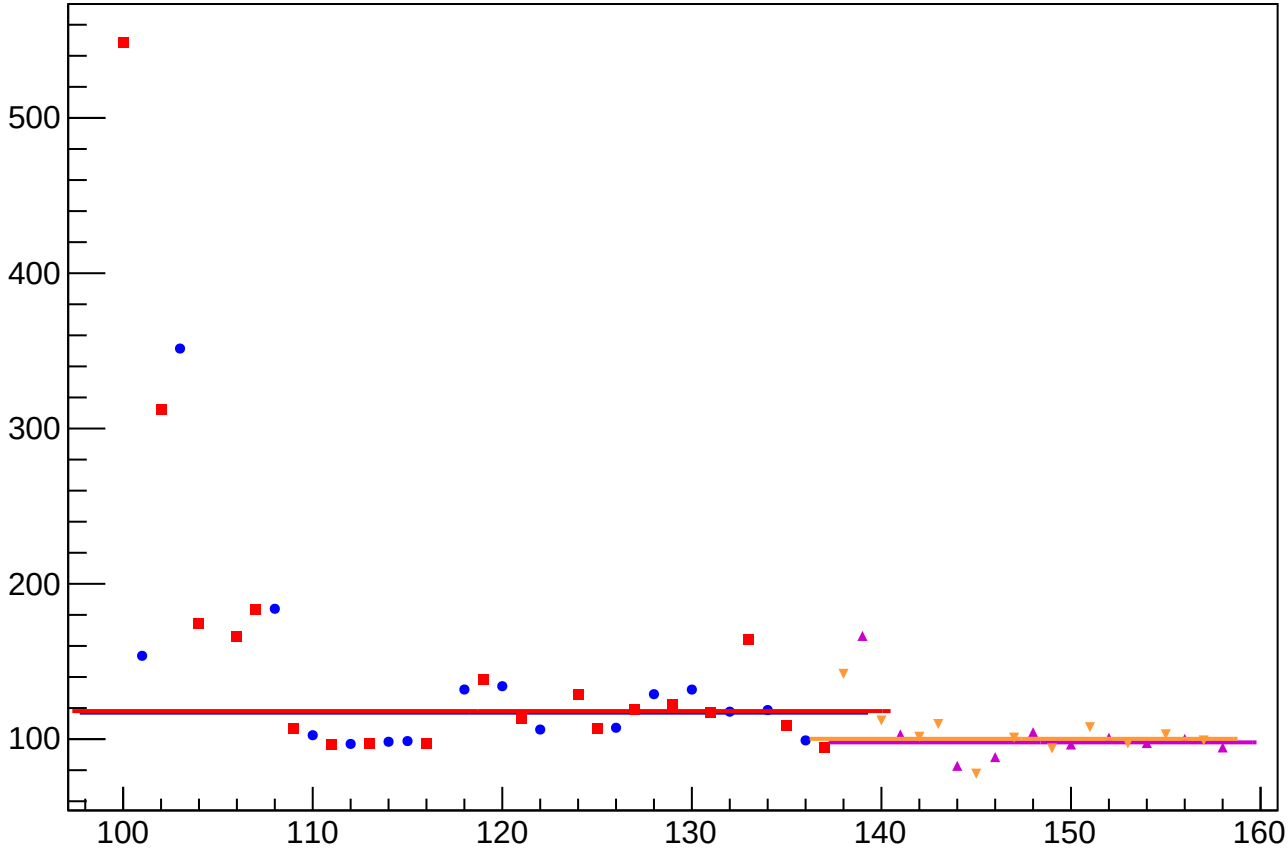
Left In: -33.424+/-33.850 χ^2/NDF:13.4/9

+ sign 39.783+/-27.667 χ^2/NDF: 42.2/26

All: -11.038+/-19.406 χ^2/NDF: 89.5/55

- sign -60.256+/-27.227 χ^2/NDF: 40.6/28

reg_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 100.213+/-0.025 χ^2/NDF:302432.3/10

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

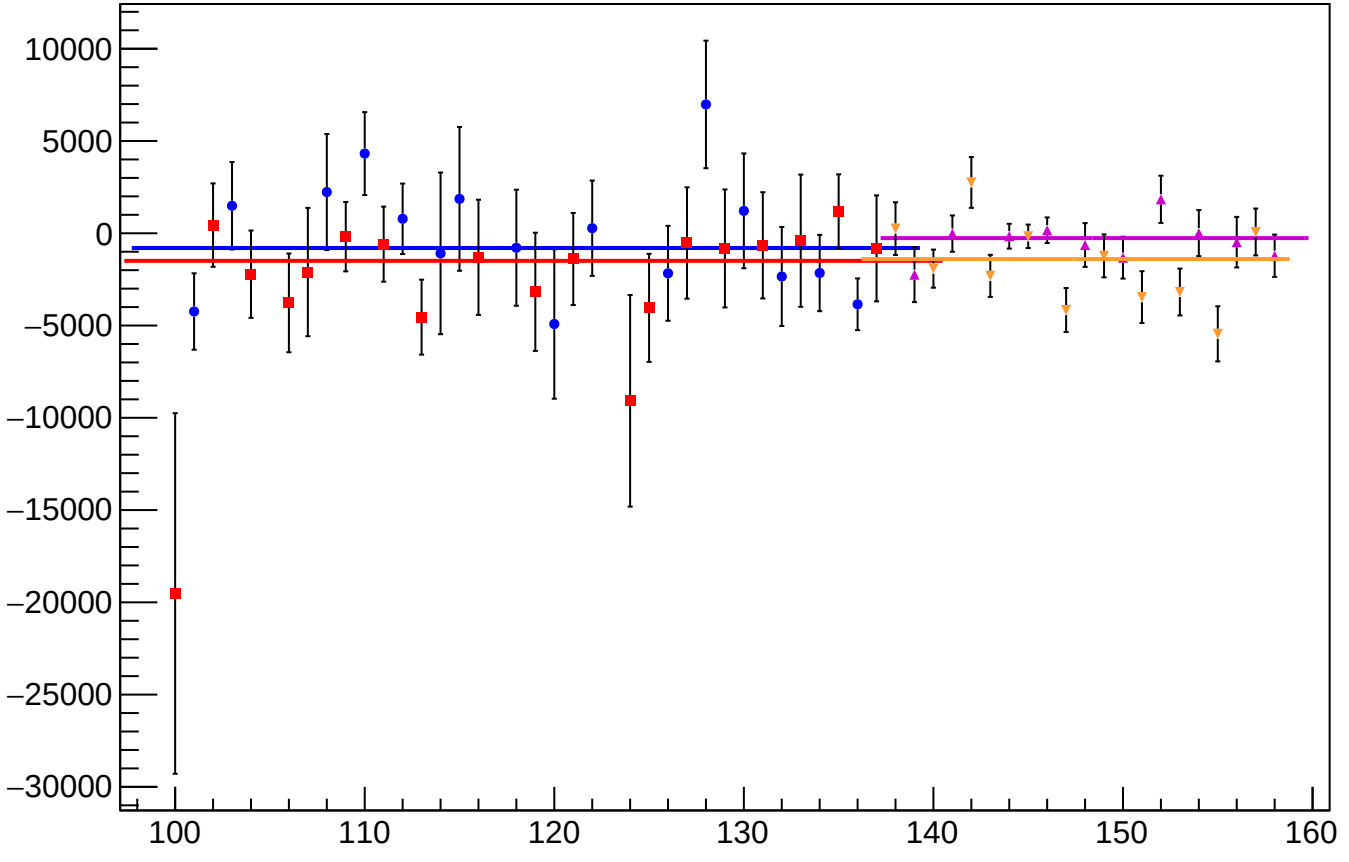
Left In: 97.910+/-0.024 χ^2/NDF:376315.0/9

+ sign 106.388+/-0.020 χ^2/NDF: 1333048.0/26

All: 105.694+/-0.014 χ^2/NDF: 2952722.9/55

- sign 105.022+/-0.019 χ^2/NDF: 1617200.7/28

asym_sam3_reg_correction_mean vs Slug



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -1398.614+/-336.265 χ^2/NDF:33.3/10

Right Out: -1493.897+/-613.097 χ^2/NDF: 12.9/18

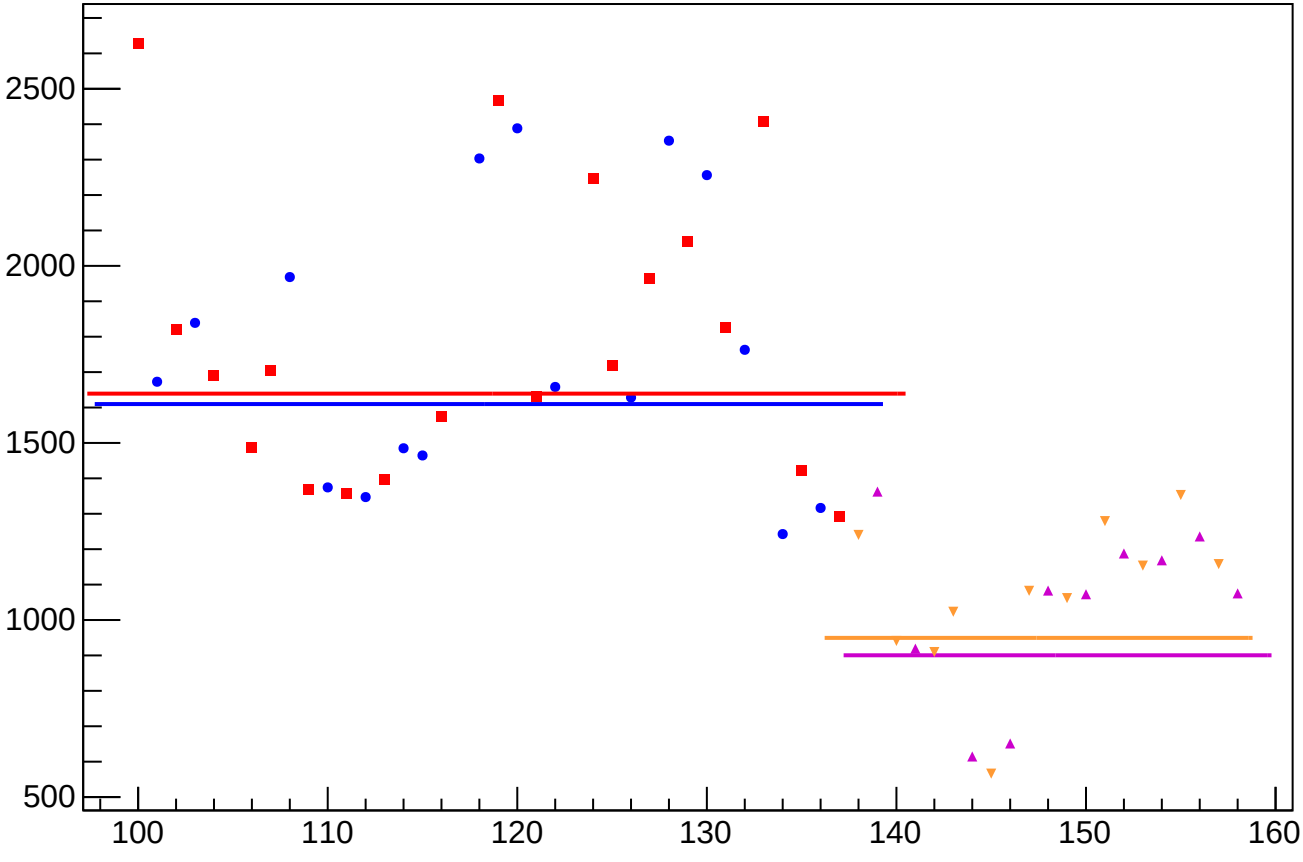
Left In: -262.047+/-319.138 χ^2/NDF:6.7/9

+ sign -1260.989+/-295.153 χ^2/NDF: 57.5/26

All: -877.465+/-204.304 χ^2/NDF: 83.5/55

- sign -524.667+/-283.083 χ^2/NDF: 22.8/28

asym_sam3_reg_correction_rms vs Slug



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 949.551+/-0.238 χ^2/NDF:1226628.6/10

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

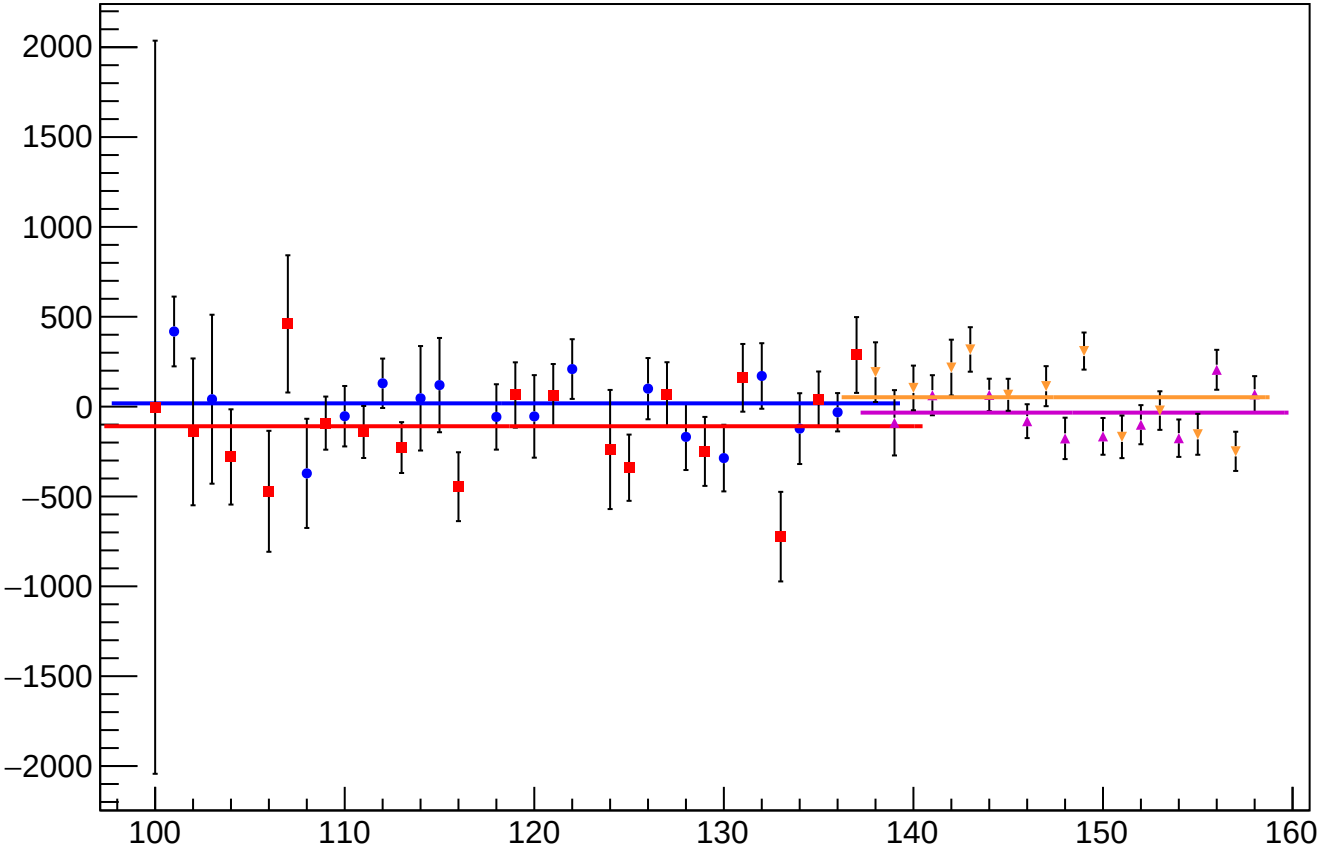
Left In: 900.400+/-0.226 χ^2/NDF:1267639.5/9

+ sign 1101.122+/-0.209 χ^2/NDF: 3615782.4/26

All: 1078.617+/-0.144 χ^2/NDF: 7711223.5/55

- sign 1057.915+/-0.200 χ^2/NDF: 4073117.5/28

cor_asym_sam3_mean vs Slug



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 52.270+/-34.759 χ^2/NDF:28.0/10

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

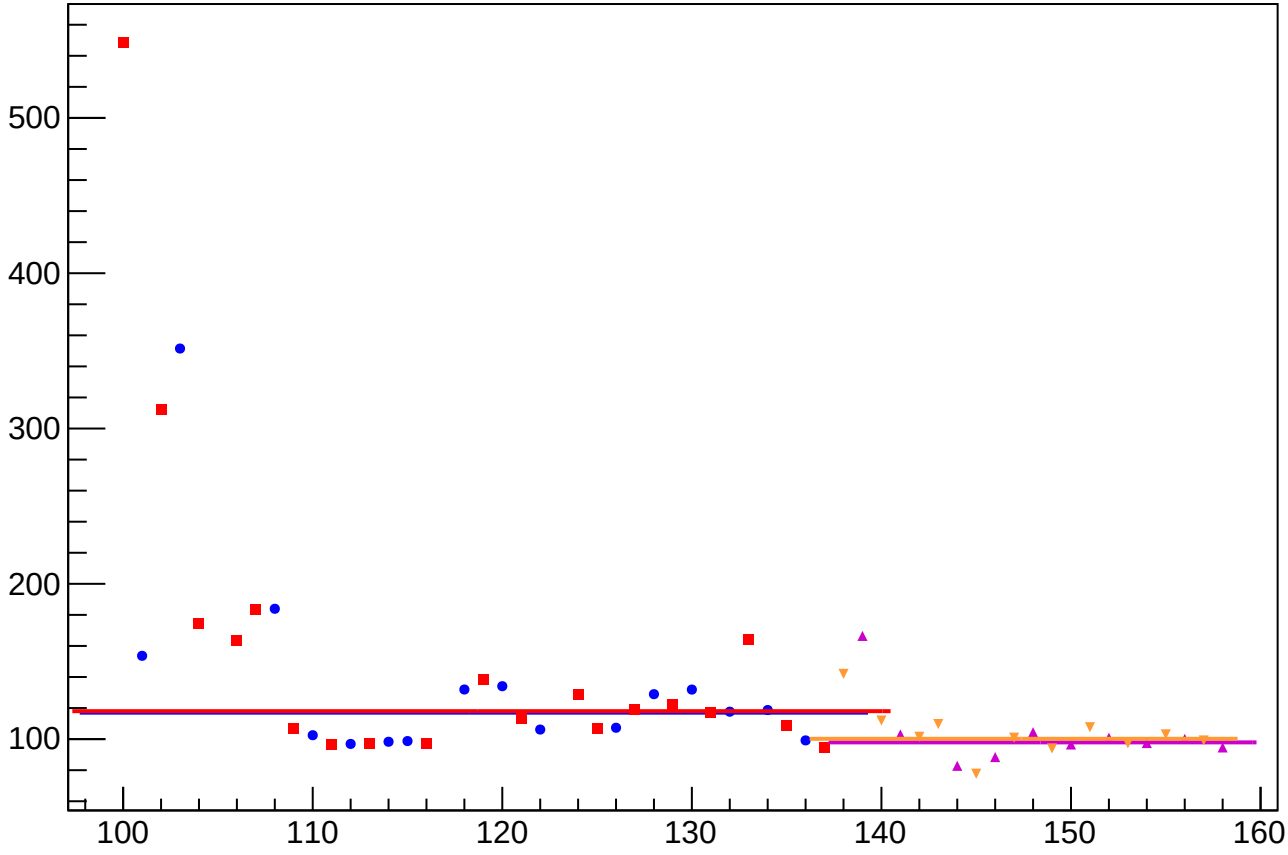
Left In: -33.430+/-33.850 χ^2/NDF:13.4/9

+ sign 39.781+/-27.667 χ^2/NDF: 42.2/26

All: -10.988+/-19.406 χ^2/NDF: 89.4/55

- sign -60.159+/-27.228 χ^2/NDF: 40.6/28

cor_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 100.213+/-0.025 χ^2/NDF:302432.3/10

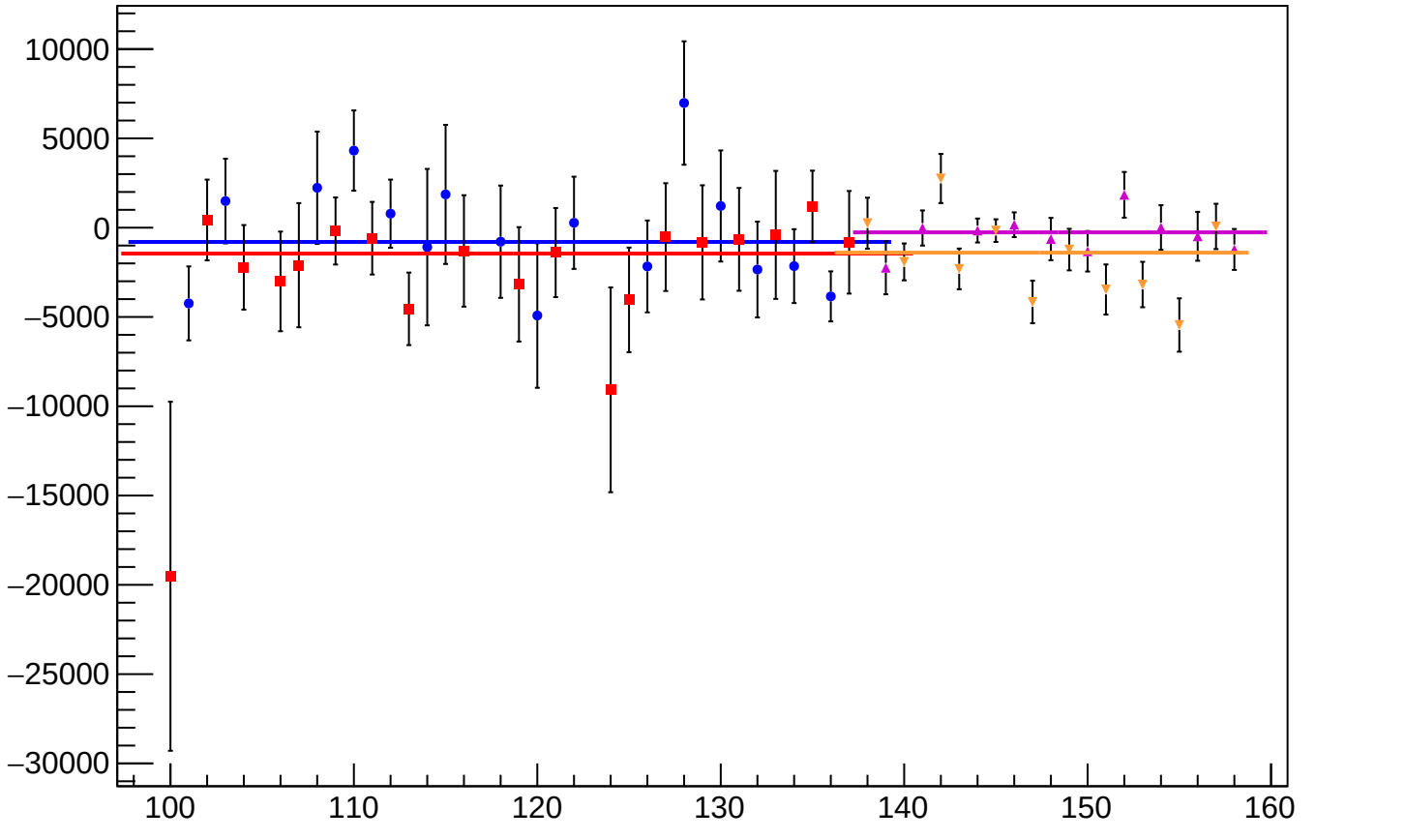
Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 97.910+/-0.024 χ^2/NDF:376315.0/9

+ sign 106.388+/-0.020 χ^2/NDF: 1333049.9/26

All: 105.684+/-0.014 χ^2/NDF: 2947294.1/55

- sign 105.003+/-0.019 χ^2/NDF: 1611701.1/28



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1398.606+/-336.265 χ^2/NDF:33.3/10

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

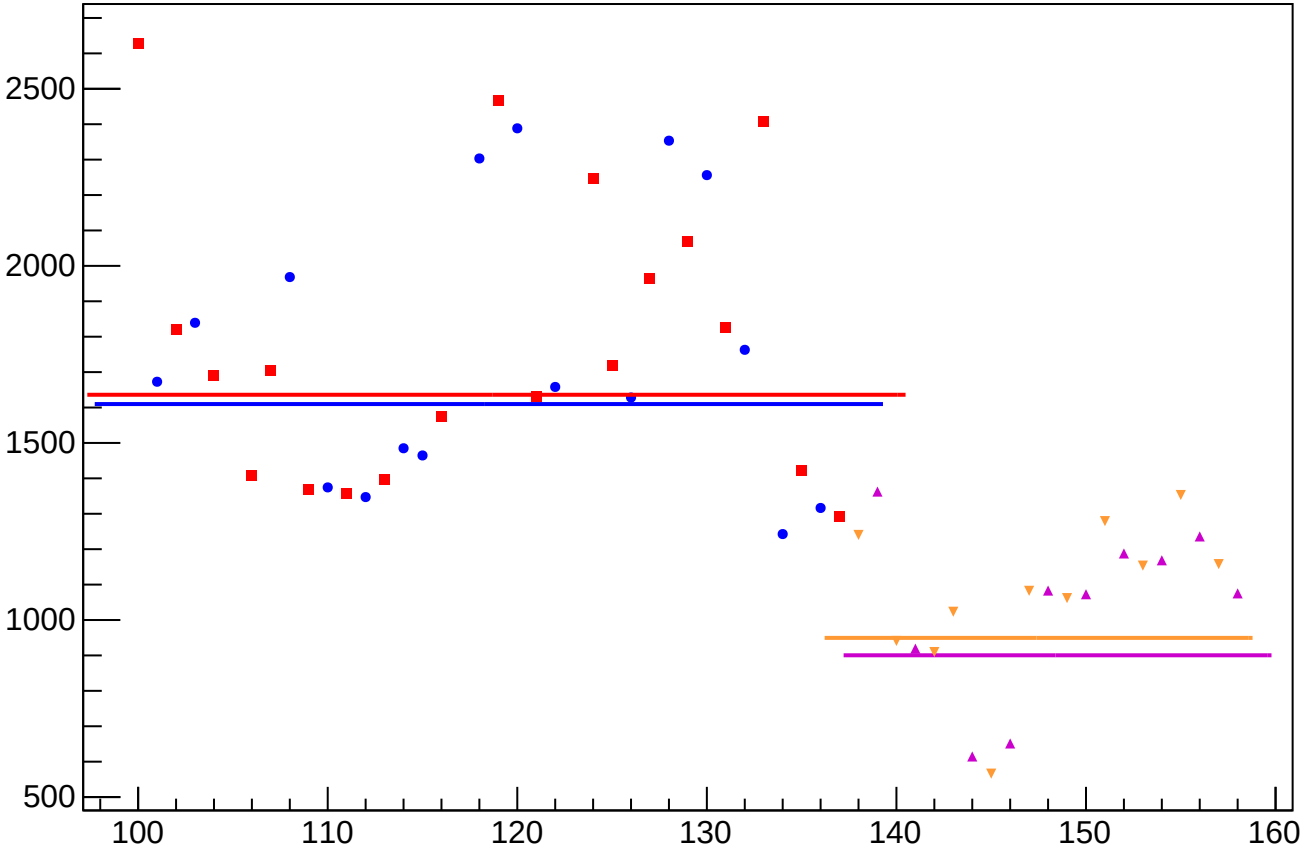
Left In: -262.053+/-319.138 χ^2/NDF:6.7/9

+ sign -1260.981+/-295.153 χ^2/NDF: 57.5/26

All: -872.134+/-204.353 χ^2/NDF: 82.9/55

- sign -514.107+/-283.215 χ^2/NDF: 22.1/28

asym_sam3_cor_correction_rms vs Slug



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 949.550+/-0.238 χ^2/NDF:1226629.7/10

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

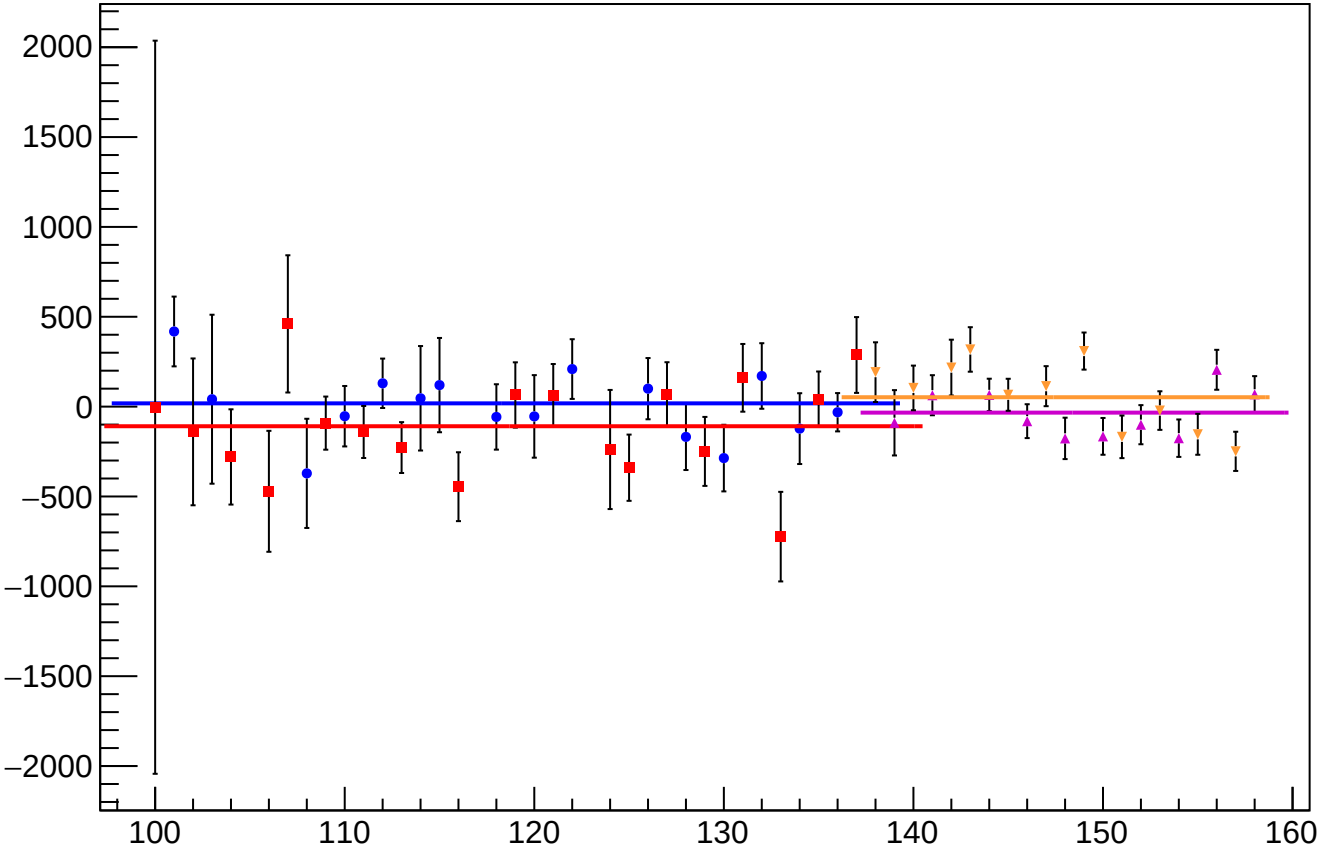
Left In: 900.400+/-0.226 χ^2/NDF:1267641.8/9

+ sign 1101.122+/-0.209 χ^2/NDF: 3615844.6/26

All: 1077.990+/-0.144 χ^2/NDF: 7692656.4/55

- sign 1056.693+/-0.200 χ^2/NDF: 4053218.0/28

eigen_cor_asym_sam3_mean vs Slug



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 52.270+/-34.759 χ^2/NDF:28.0/10

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

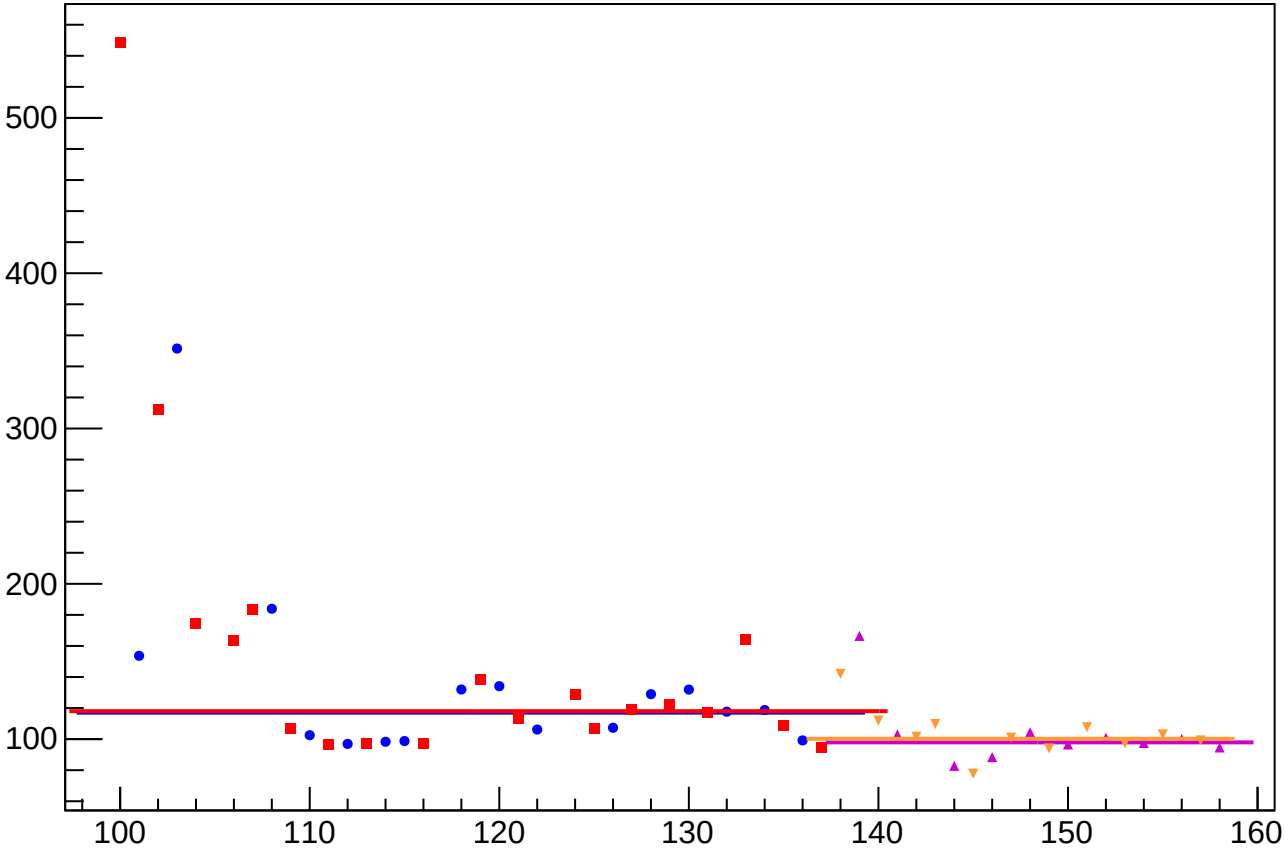
Left In: -33.430+/-33.850 χ^2/NDF:13.4/9

+ sign 39.781+/-27.667 χ^2/NDF: 42.2/26

All: -10.988+/-19.406 χ^2/NDF: 89.4/55

- sign -60.159+/-27.228 χ^2/NDF: 40.6/28

eigen_cor_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 100.213+/-0.025 χ^2/NDF:302432.3/10

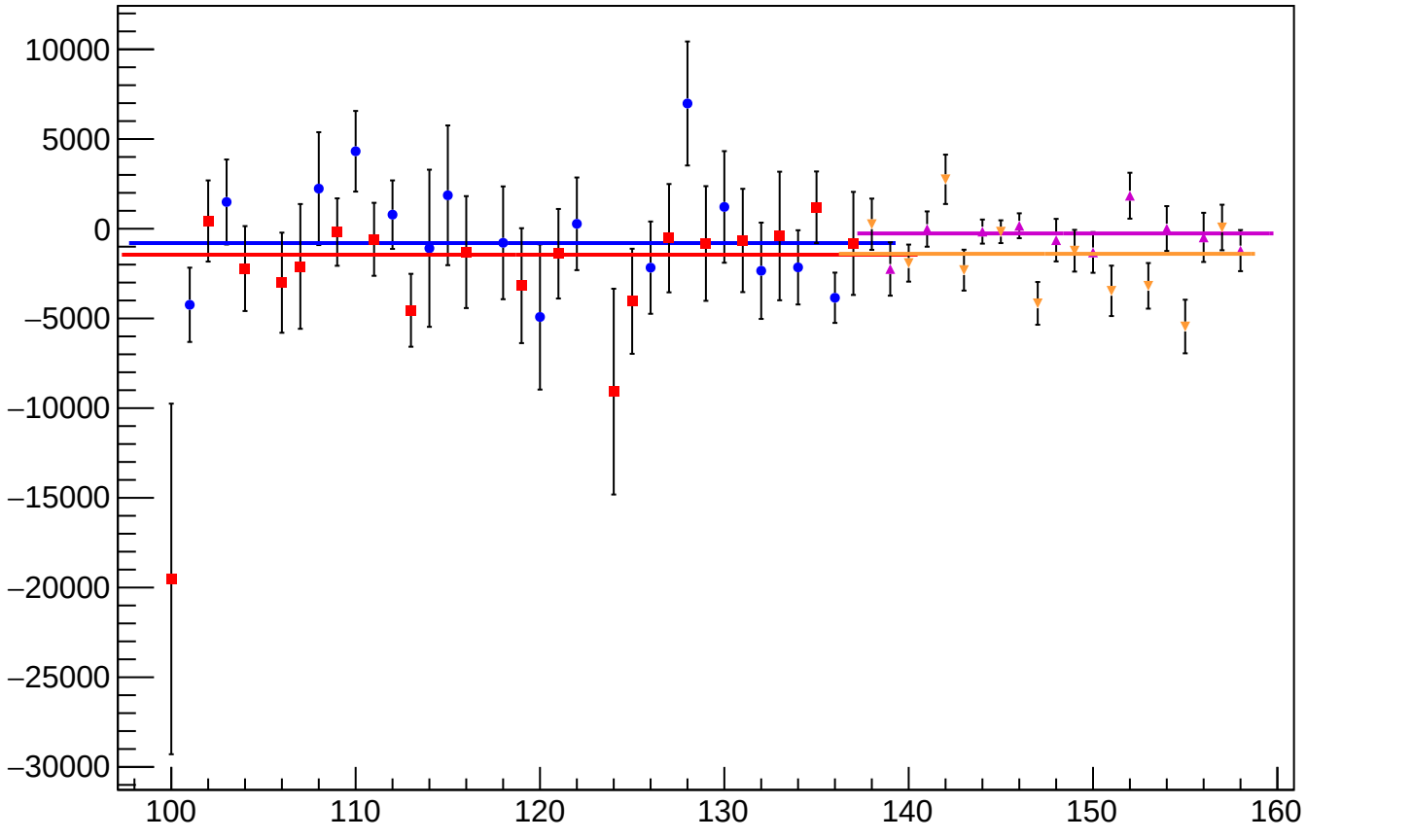
Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 97.910+/-0.024 χ^2/NDF:376315.0/9

+ sign 106.388+/-0.020 χ^2/NDF: 1333049.9/26

All: 105.684+/-0.014 χ^2/NDF: 2947294.1/55

- sign 105.003+/-0.019 χ^2/NDF: 1611701.1/28



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1398.606+/-336.265 χ^2/NDF:33.3/10

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

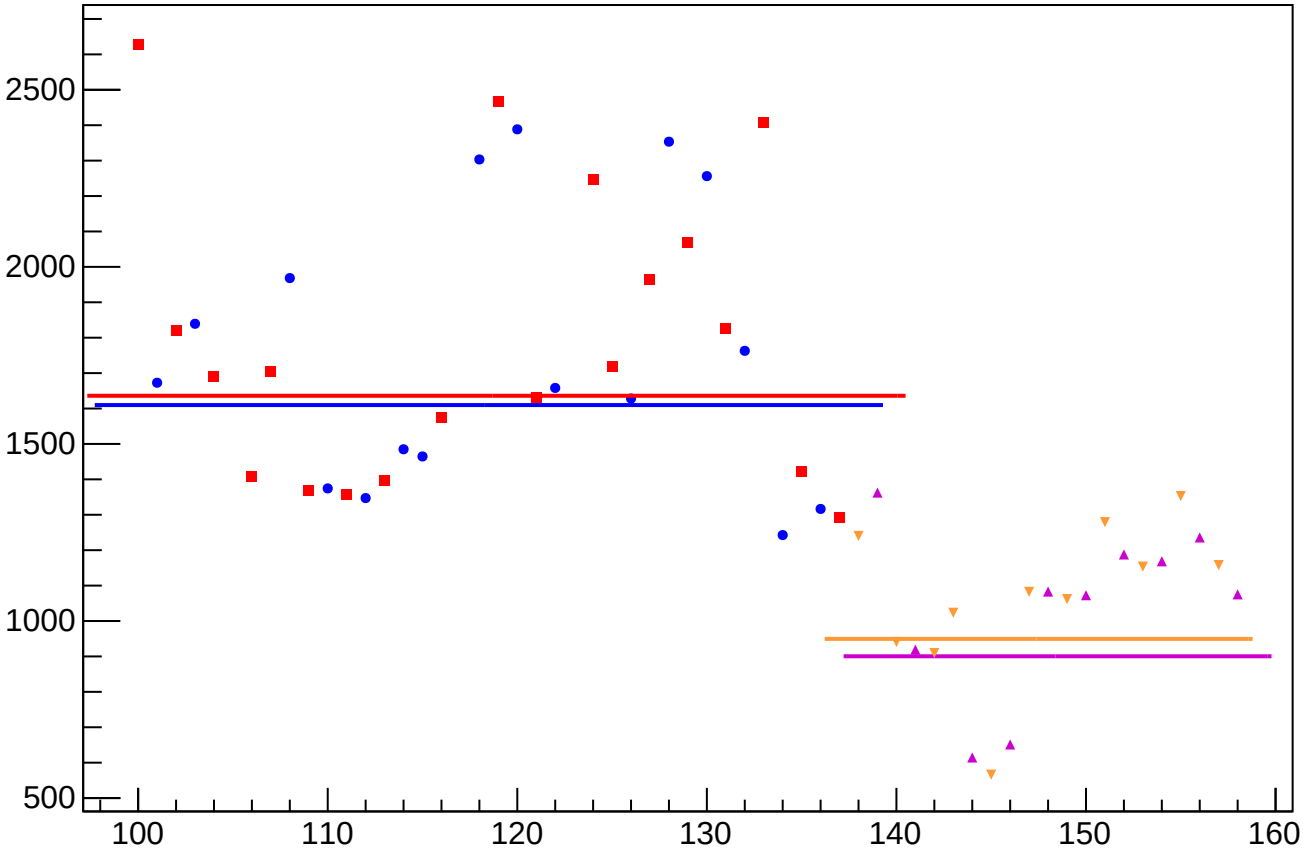
Left In: -262.053+/-319.138 χ^2/NDF:6.7/9

+ sign -1260.981+/-295.153 χ^2/NDF: 57.5/26

All: -872.134+/-204.353 χ^2/NDF: 82.9/55

- sign -514.107+/-283.215 χ^2/NDF: 22.1/28

asym_sam3_eigen_cor_correction_rms vs Slug



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 949.550+/-0.238 χ^2/NDF:1226629.7/10

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

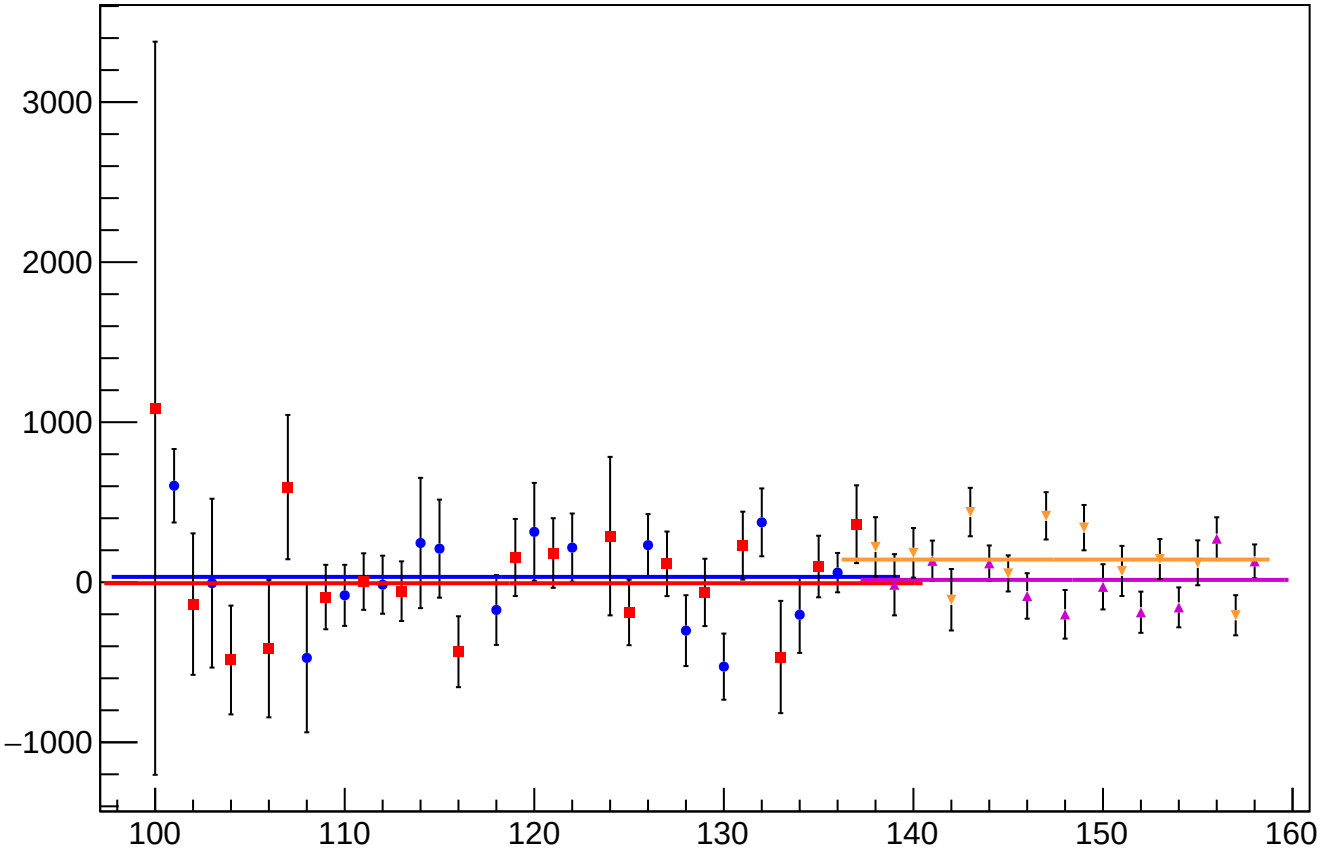
Left In: 900.400+/-0.226 χ^2/NDF:1267641.8/9

+ sign 1101.122+/-0.209 χ^2/NDF: 3615844.6/26

All: 1077.990+/-0.144 χ^2/NDF: 7692656.4/55

- sign 1056.693+/-0.200 χ^2/NDF: 4053218.0/28

dit_asym_sam3_mean vs Slug



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 141.756+/-43.236 χ^2/NDF:19.7/10

Right Out: -6.107+/-56.090 χ^2/NDF: 17.3/18

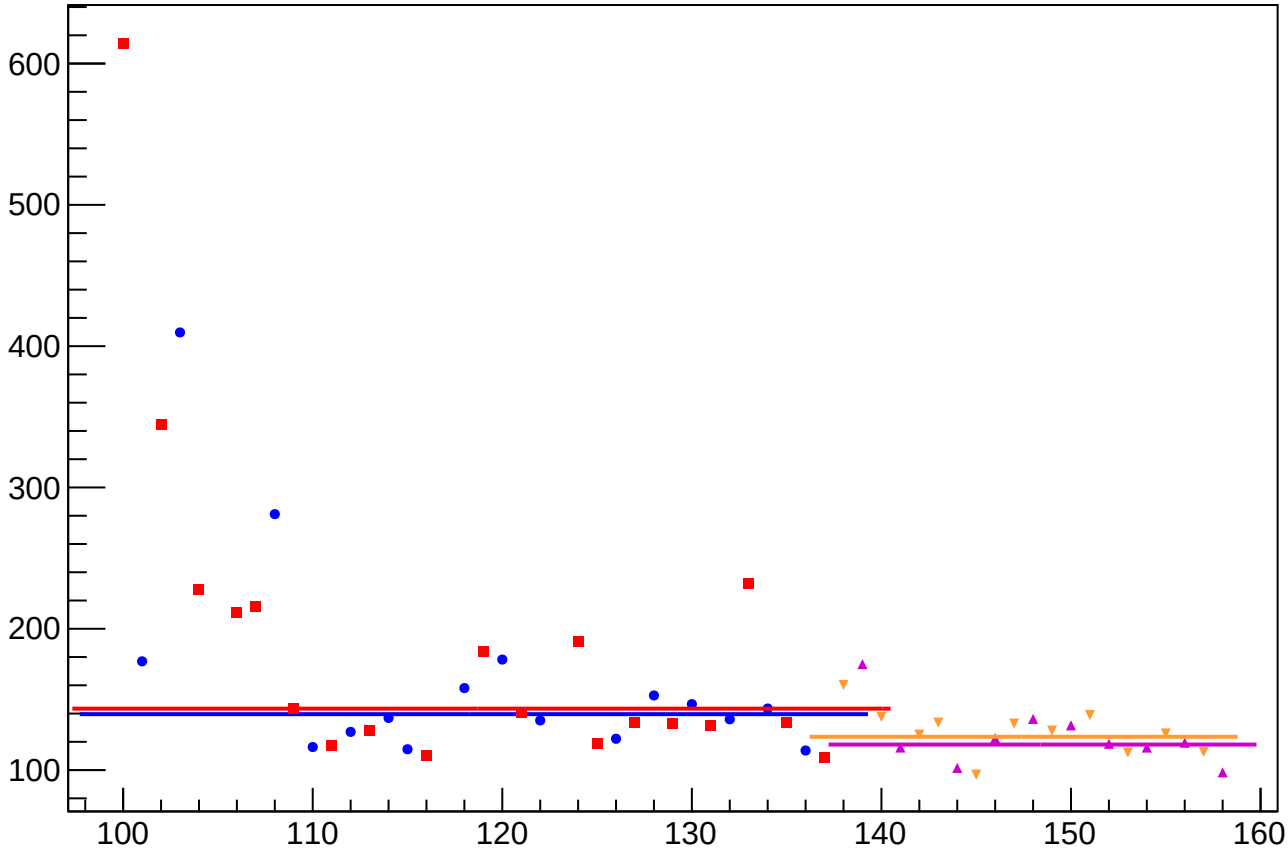
Left In: 14.883+/-41.384 χ^2/NDF:13.7/9

+ sign 100.312+/-33.969 χ^2/NDF: 47.3/26

All: 52.977+/-23.780 χ^2/NDF: 82.2/55

- sign 7.484+/-33.301 χ^2/NDF: 31.1/28

dit_asym_sam3_rms vs Slug



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 123.570+/-0.031 χ^2/NDF:275991.0/10

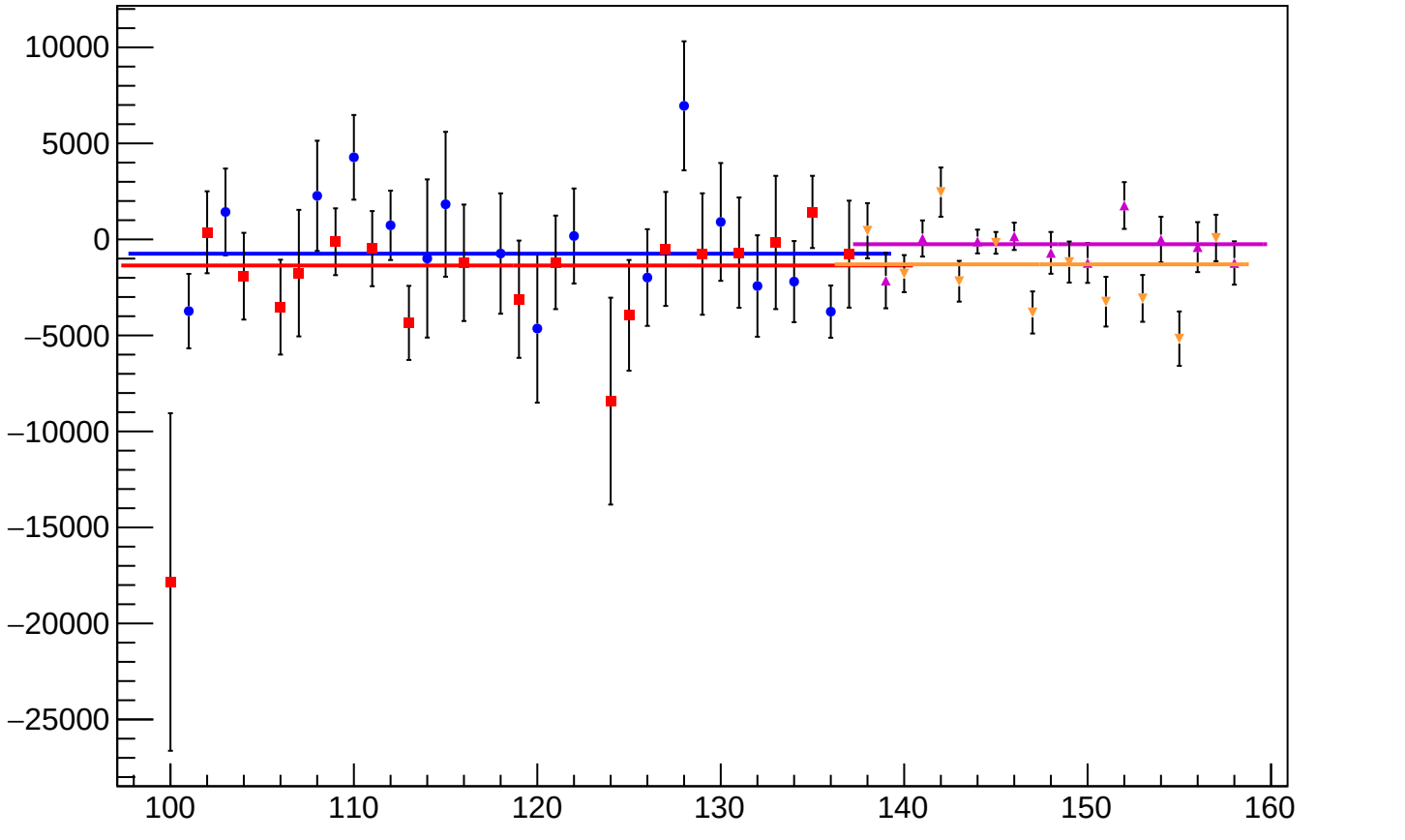
Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

Left In: 118.058+/-0.029 χ^2/NDF:341534.2/9

+ sign 129.692+/-0.024 χ^2/NDF: 1357503.6/26

All: 128.329+/-0.017 χ^2/NDF: 3088050.0/55

- sign 127.018+/-0.024 χ^2/NDF: 1724226.2/28



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -1298.250+/-311.078 χ^2/NDF:33.3/10

Right Out: -1357.874+/-585.808 χ^2/NDF: 13.5/18

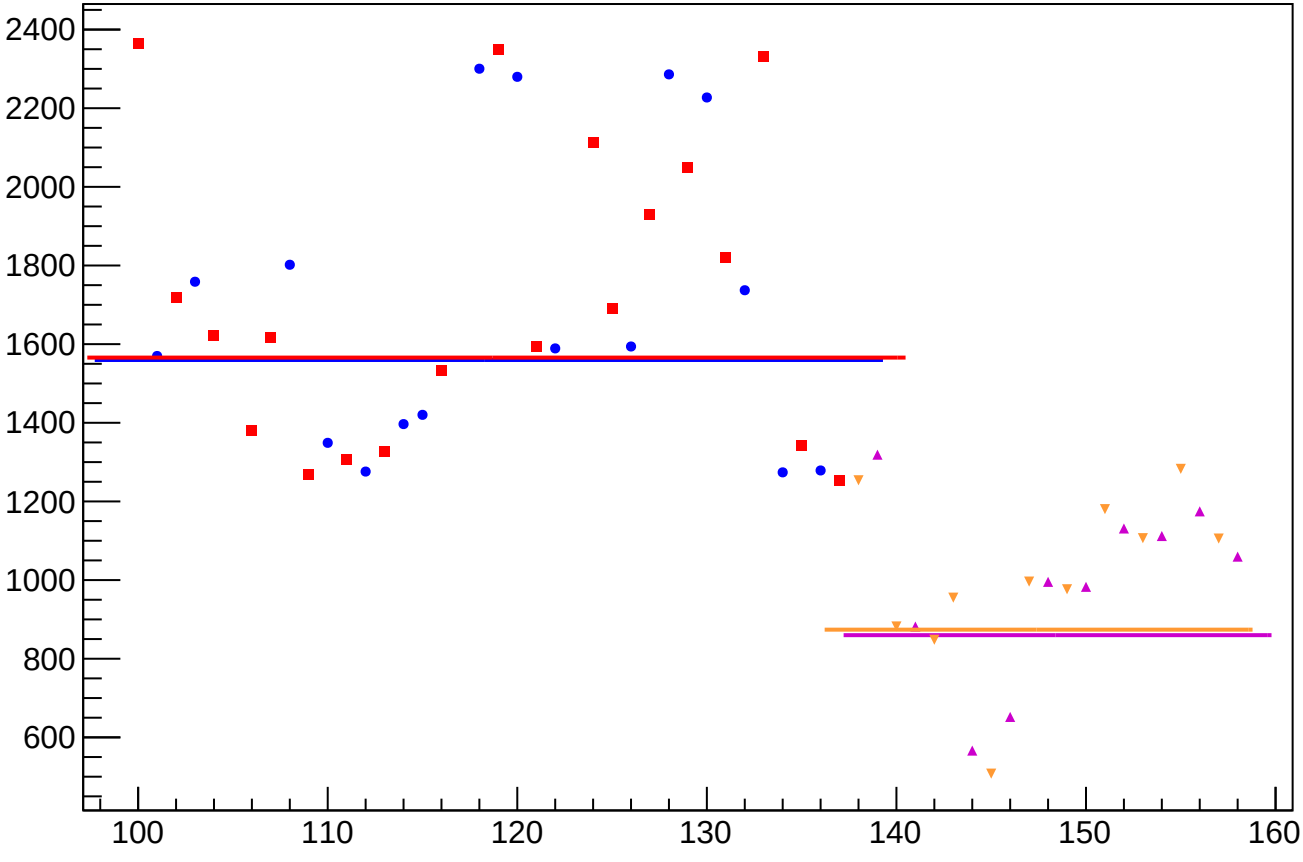
Left In: -250.828+/-305.294 χ^2/NDF:6.8/9

+ sign -1179.672+/-275.755 χ^2/NDF: 57.5/26

All: -827.115+/-193.189 χ^2/NDF: 83.8/55

- sign -487.278+/-270.734 χ^2/NDF: 23.2/28

asym_sam3_dit_correction_rms vs Slug



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 873.925+/-0.220 χ^2/NDF:1458015.3/10

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

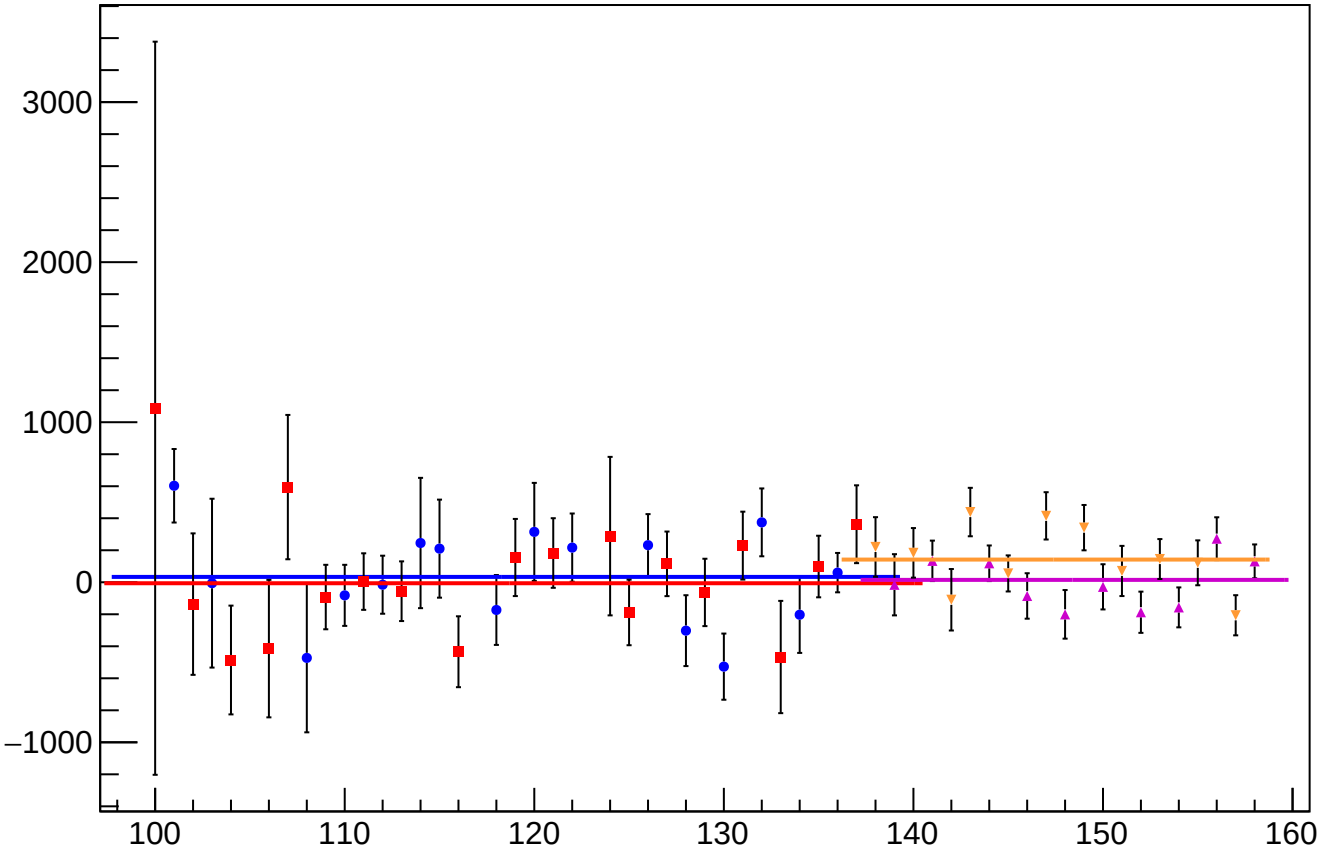
Left In: 859.924+/-0.216 χ^2/NDF:1253628.8/9

+ sign 1020.829+/-0.195 χ^2/NDF: 4144471.8/26

All: 1015.667+/-0.137 χ^2/NDF: 8247013.8/55

- sign 1010.692+/-0.191 χ^2/NDF: 4101165.6/28

eigen_dit_asym_sam3_mean vs Slug



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 141.759+/-43.236 χ^2/NDF:19.7/10

Right Out: -6.103+/-56.090 χ^2/NDF: 17.3/18

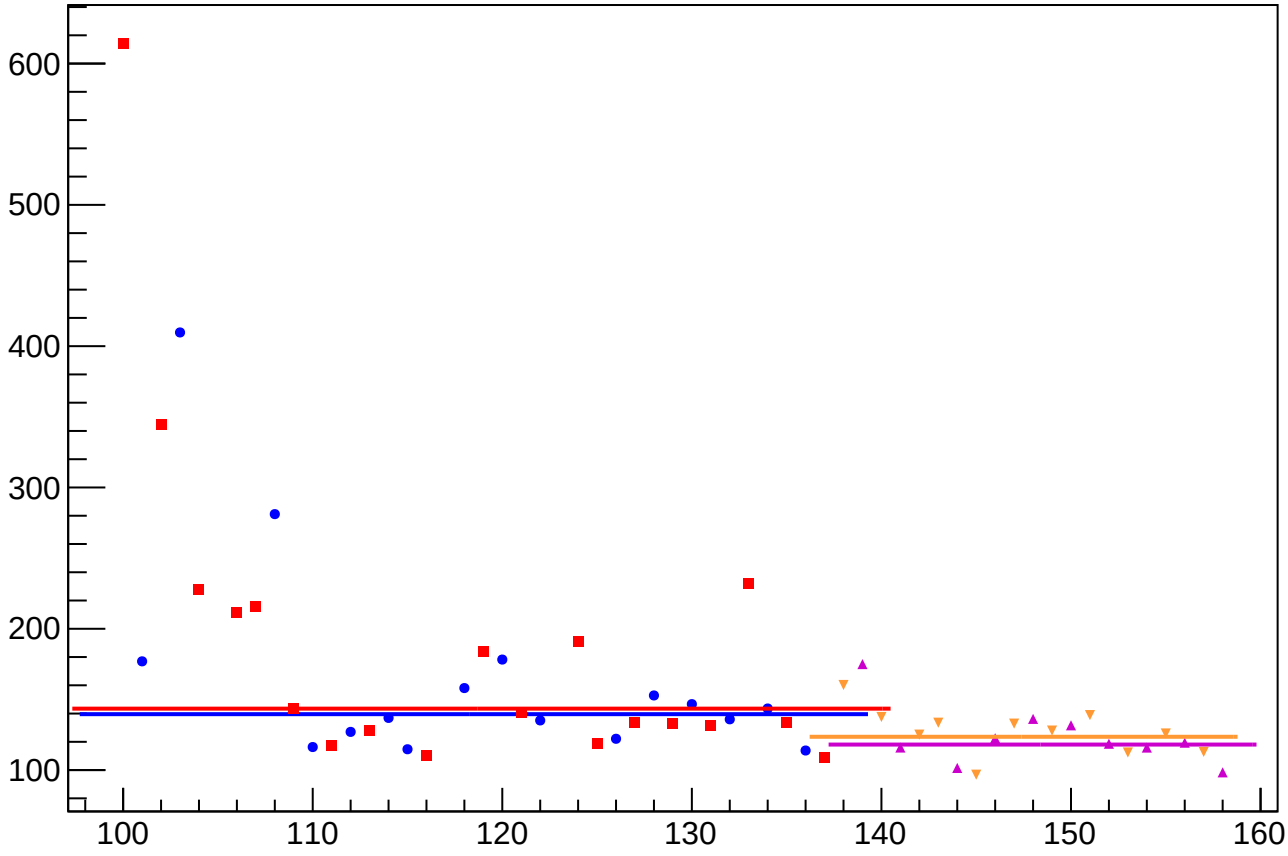
Left In: 14.884+/-41.384 χ^2/NDF:13.7/9

+ sign 100.313+/-33.969 χ^2/NDF: 47.3/26

All: 52.978+/-23.780 χ^2/NDF: 82.2/55

- sign 7.487+/-33.301 χ^2/NDF: 31.1/28

eigen_dit_asym_sam3_rms vs Slug



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 123.571+/-0.031 χ^2/NDF:275995.4/10

Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

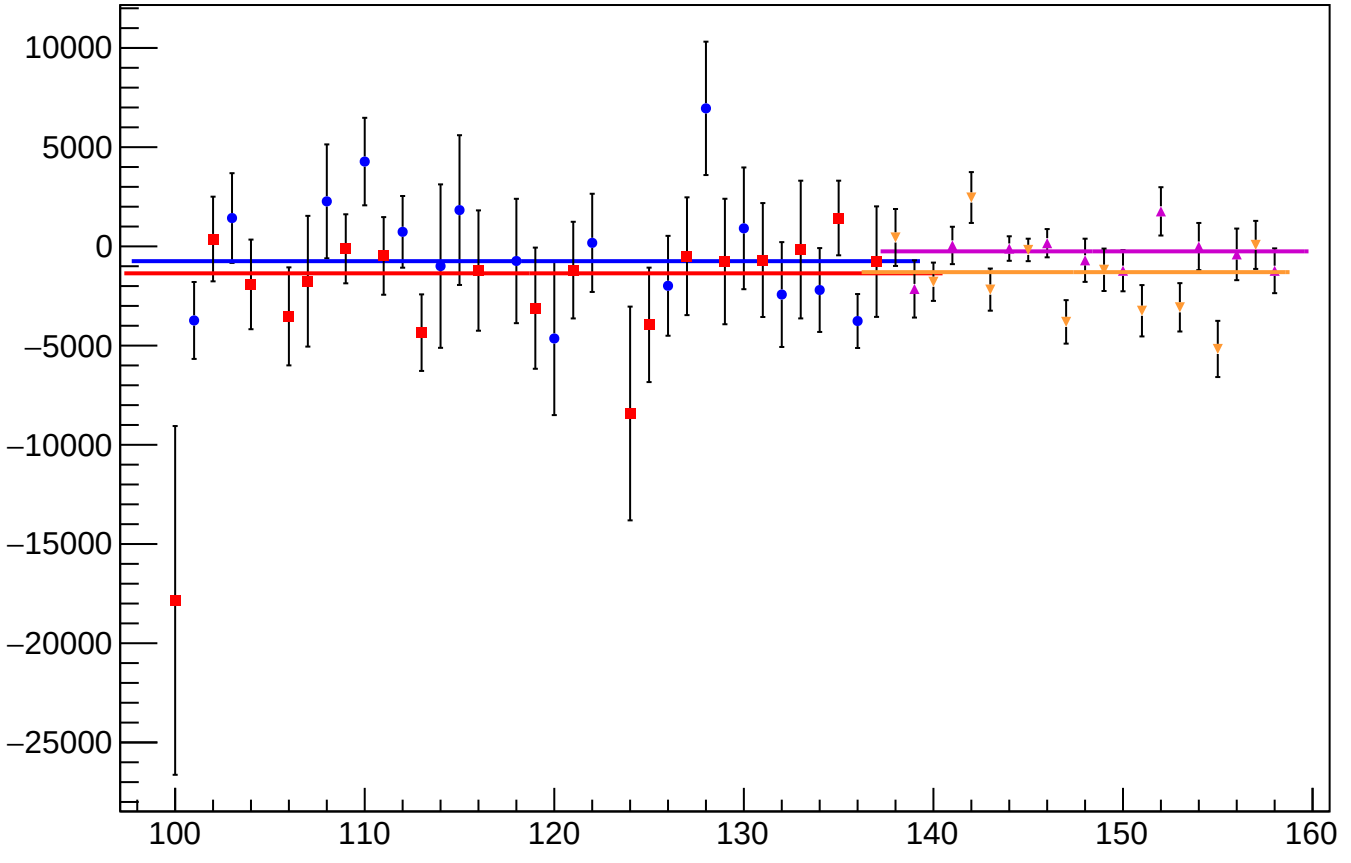
Left In: 118.058+/-0.029 χ^2/NDF:341536.7/9

+ sign 129.693+/-0.024 χ^2/NDF: 1357502.1/26

All: 128.330+/-0.017 χ^2/NDF: 3088053.2/55

- sign 127.019+/-0.024 χ^2/NDF: 1724230.5/28

asym_sam3_eigen_dit_correction_mean vs Slug



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -1298.251+/-311.077 χ^2/NDF:33.3/10

Right Out: -1357.874+/-585.807 χ^2/NDF: 13.5/18

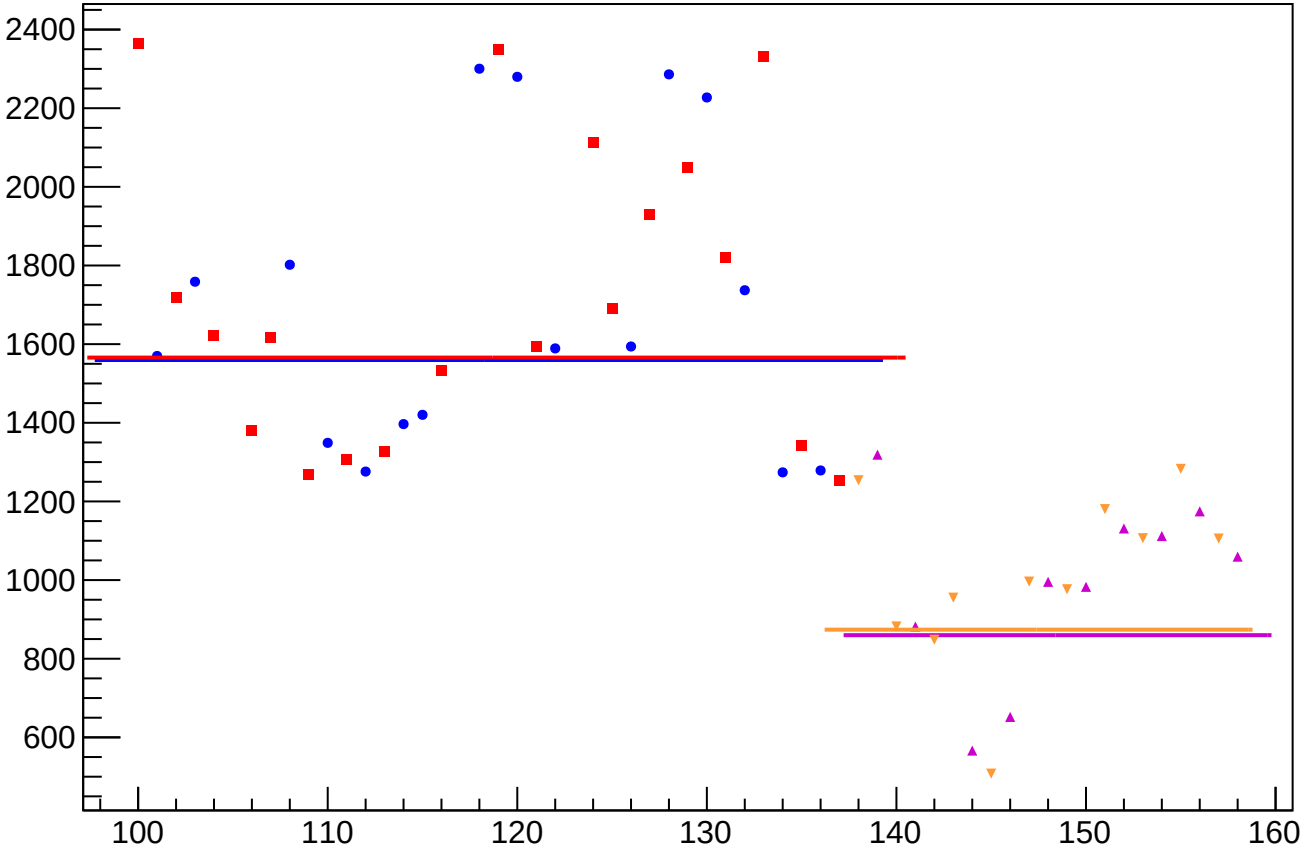
Left In: -250.827+/-305.293 χ^2/NDF:6.8/9

\+ sign -1179.673+/-275.754 χ^2/NDF: 57.5/26

All: -827.114+/-193.188 χ^2/NDF: 83.8/55

\- sign -487.278+/-270.734 χ^2/NDF: 23.2/28

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 873.924+/-0.220 χ^2/NDF:1458012.2/10

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

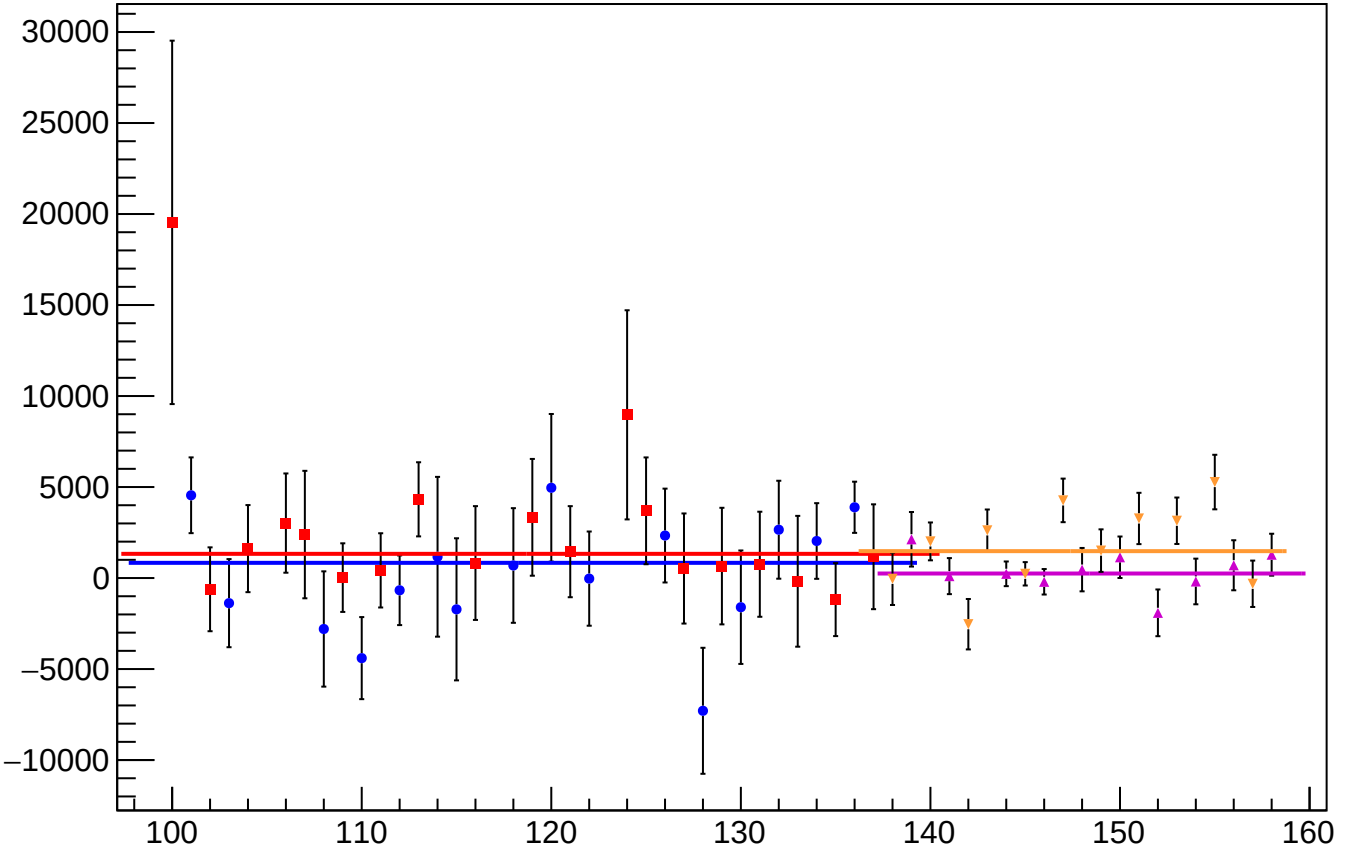
Left In: 859.923+/-0.216 χ^2/NDF:1253626.0/9

+ sign 1020.828+/-0.195 χ^2/NDF: 4144470.1/26

All: 1015.666+/-0.137 χ^2/NDF: 8247006.0/55

- sign 1010.690+/-0.191 χ^2/NDF: 4101159.5/28

asym_sam3_mean vs Slug



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 1477.511+/-338.489 χ^2/NDF:31.7/10

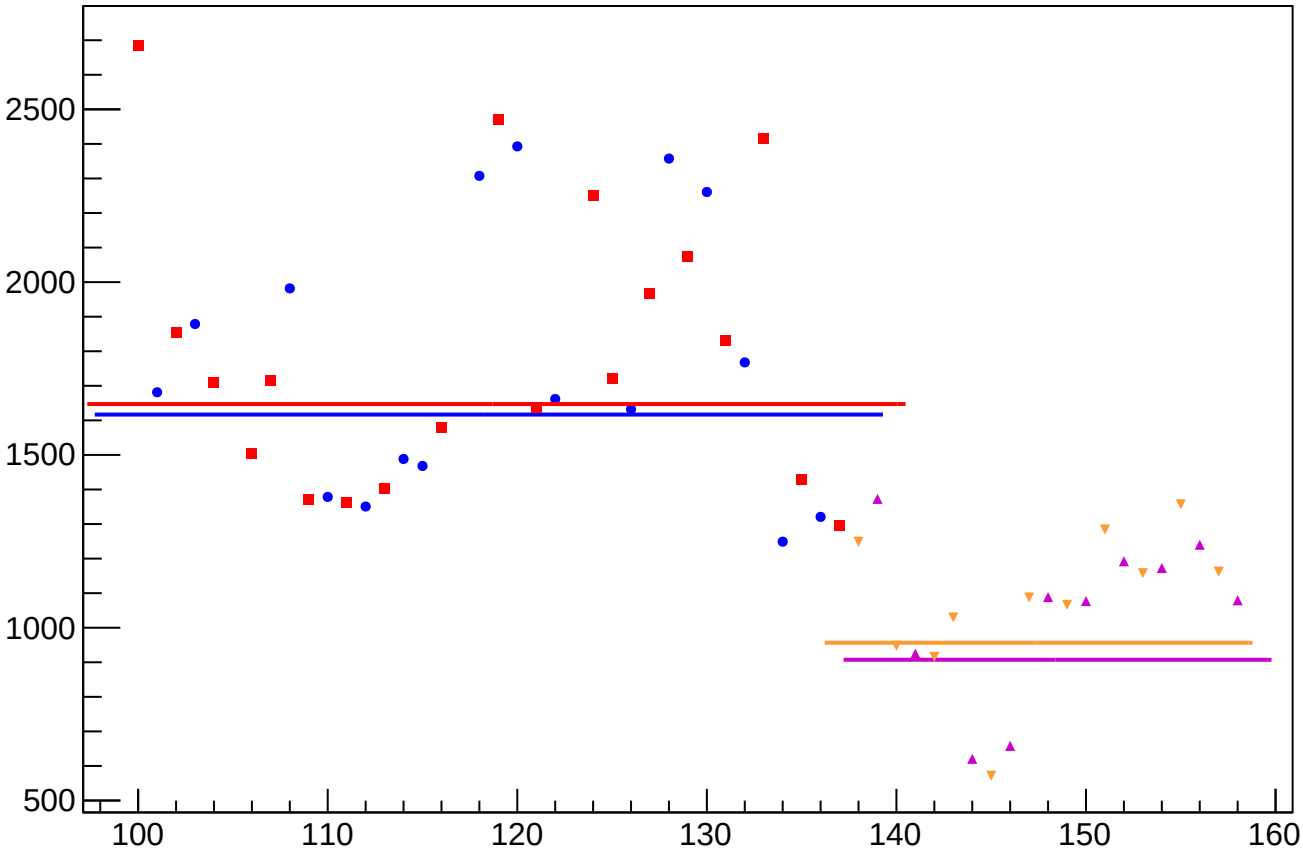
Right Out: 1329.538+/-616.428 χ^2/NDF: 12.1/18

Left In: 248.805+/-321.368 χ^2/NDF:6.5/9

+ sign 1329.643+/-296.962 χ^2/NDF: 57.4/26

All: 887.196+/-205.612 χ^2/NDF: 82.8/55

- sign 479.768+/-284.967 χ^2/NDF: 21.1/28



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 956.418+/-0.239 χ^2/NDF:1204698.8/10

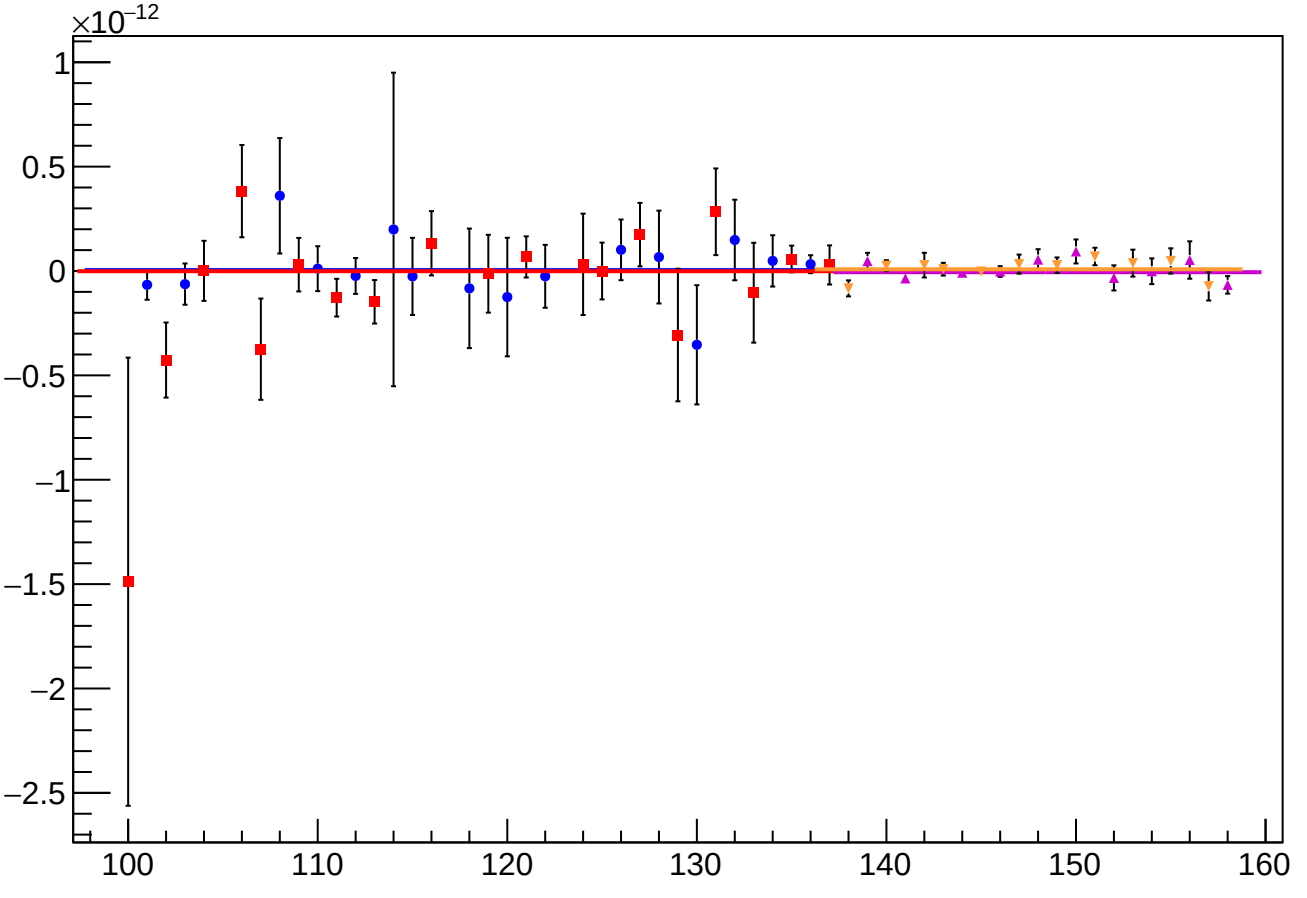
Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 907.324+/-0.227 χ^2/NDF:1245836.2/9

+ sign 1108.517+/-0.210 χ^2/NDF: 3580303.4/26

All: 1086.095+/-0.145 χ^2/NDF: 7637576.5/55

- sign 1065.449+/-0.202 χ^2/NDF: 4035373.4/28



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/10

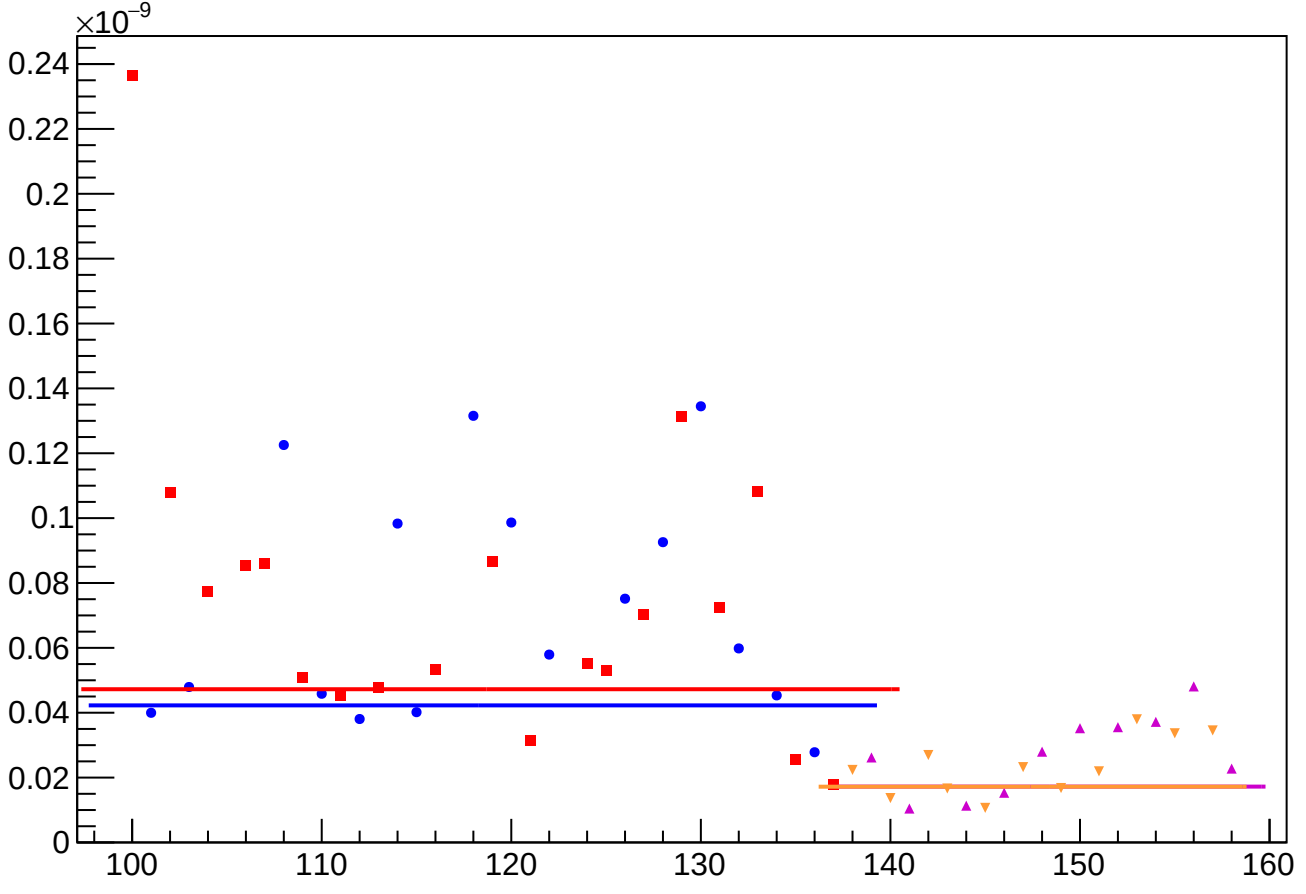
Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/18

Left In: -0.000+/-0.000 χ^2/NDF:10.6/9

+ sign 0.000+/-0.000 χ^2/NDF: 18.2/26

All: 0.000+/-0.000 χ^2/NDF: 53.0/55

- sign -0.000+/-0.000 χ^2/NDF: 34.0/28



Right In: 0.000+/-0.000 χ^2/NDF: 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:919570.4/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

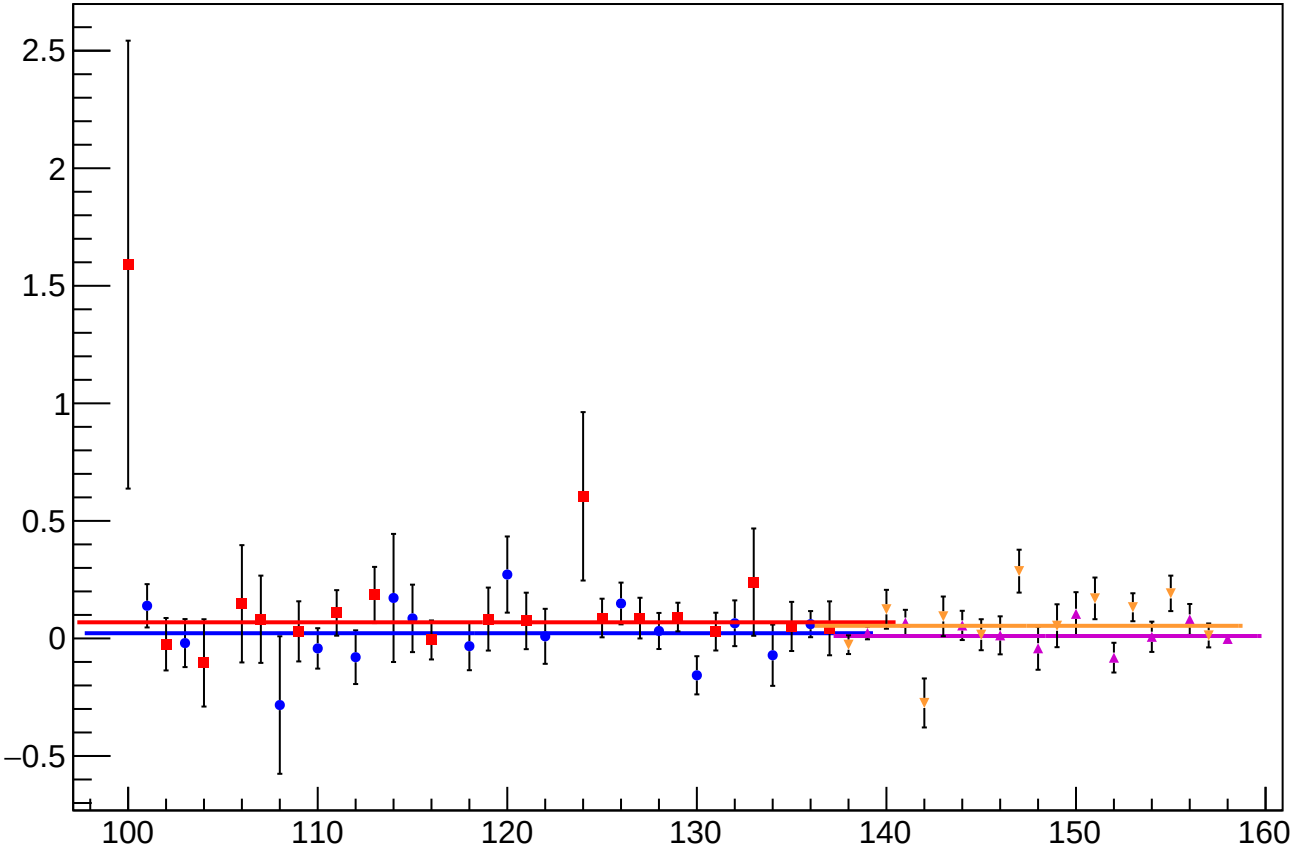
Left In: 0.000+/-0.000 χ^2/NDF:1443910.1/9

+ sign 0.000+/-0.000 χ^2/NDF: 3538654.4/26

All: 0.000+/-0.000 χ^2/NDF: 8143529.8/55

- sign 0.000+/-0.000 χ^2/NDF: 4604875.4/28

asym_sam3_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.054+/-0.020 χ^2/NDF:29.2/10

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

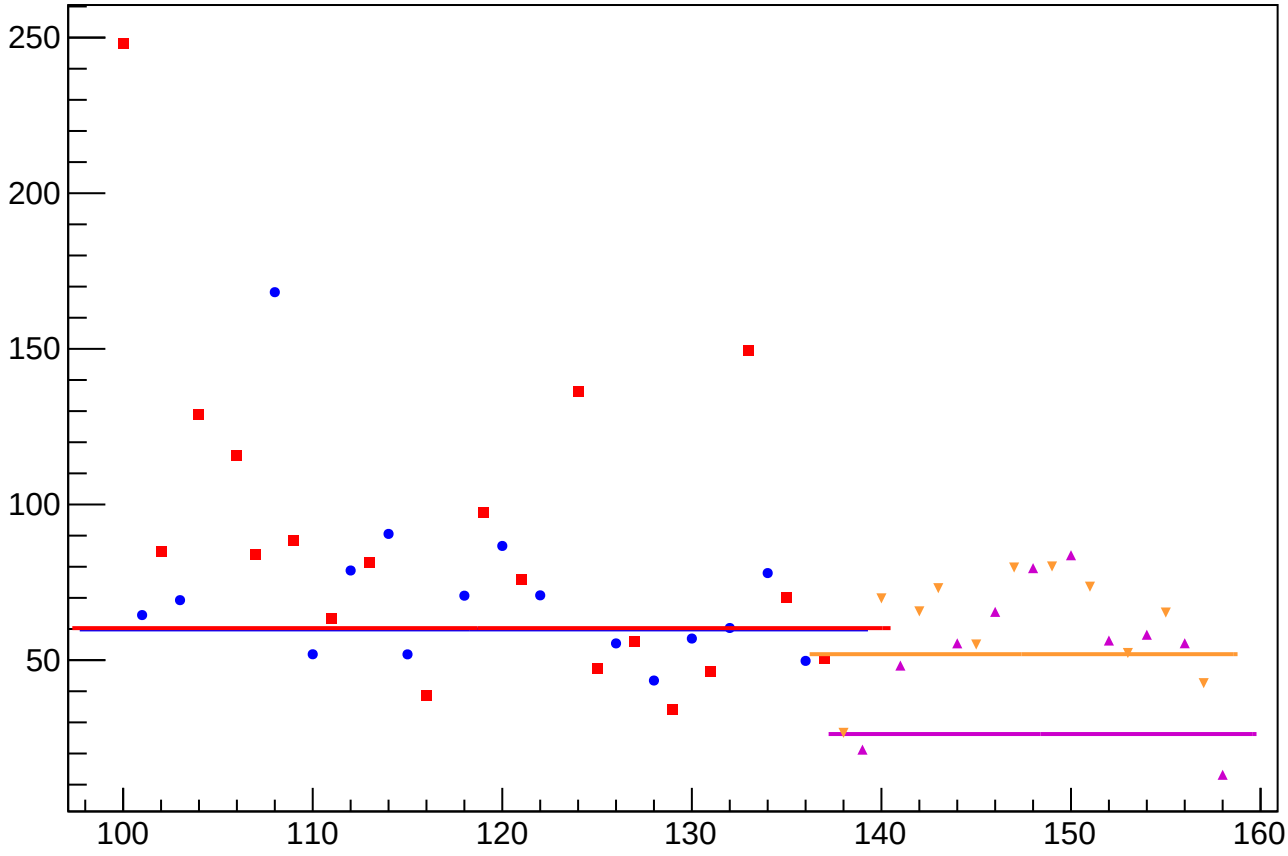
Left In: 0.010+/-0.012 χ^2/NDF:7.1/9

+ sign 0.041+/-0.016 χ^2/NDF: 45.7/26

All: 0.028+/-0.009 χ^2/NDF: 67.8/55

- sign 0.021+/-0.011 χ^2/NDF: 21.0/28

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 51.912+/-0.014 χ^2/NDF:1691816.3/10

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

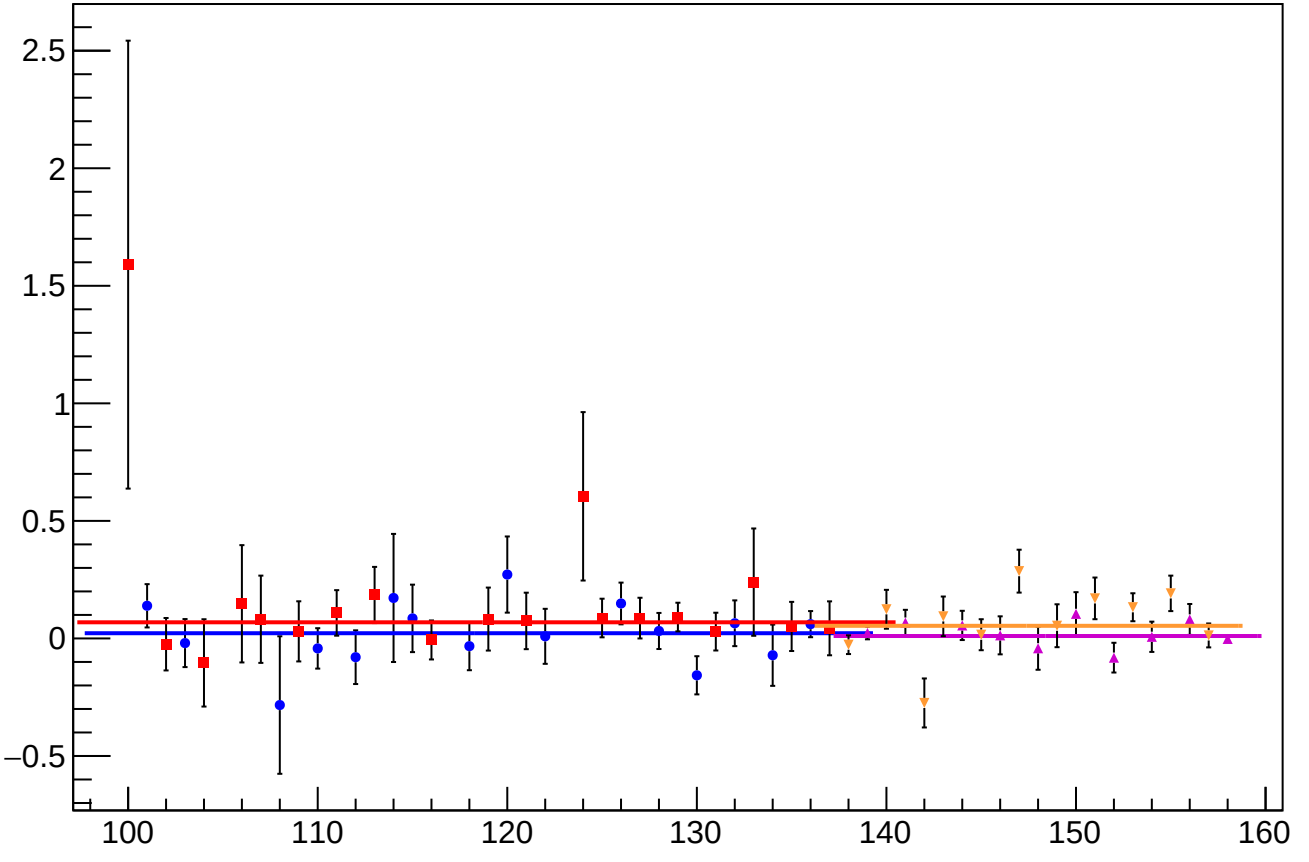
Left In: 26.256+/-0.009 χ^2/NDF:5387567.8/9

+ sign 55.104+/-0.011 χ^2/NDF: 2515245.8/26

All: 39.974+/-0.006 χ^2/NDF: 15616162.2/55

- sign 32.597+/-0.008 χ^2/NDF: 10312589.8/28

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.054+/-0.020 χ^2/NDF:29.2/10

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

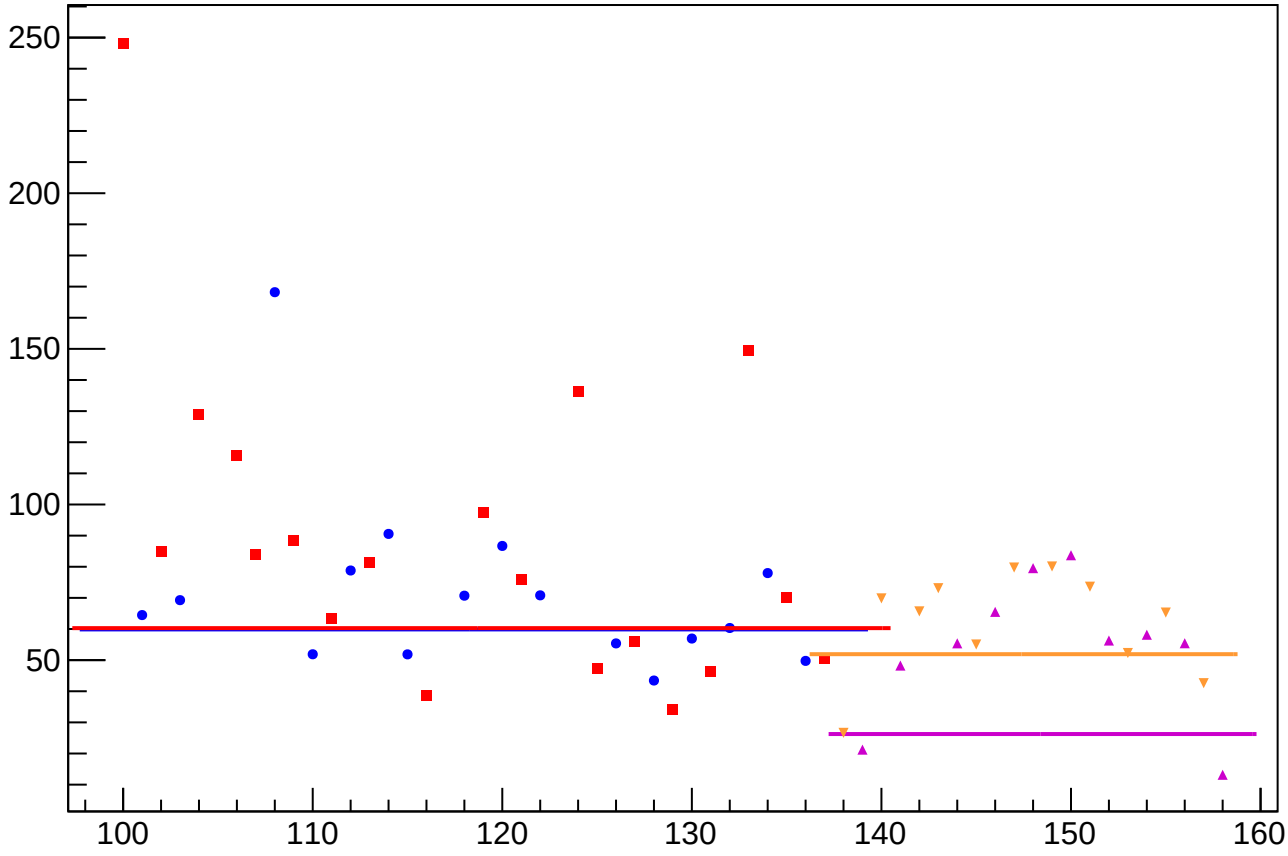
Left In: 0.010+/-0.012 χ^2/NDF:7.1/9

+ sign 0.041+/-0.016 χ^2/NDF: 45.7/26

All: 0.028+/-0.009 χ^2/NDF: 67.8/55

- sign 0.021+/-0.011 χ^2/NDF: 21.0/28

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 51.912+/-0.014 χ^2/NDF:1691816.3/10

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

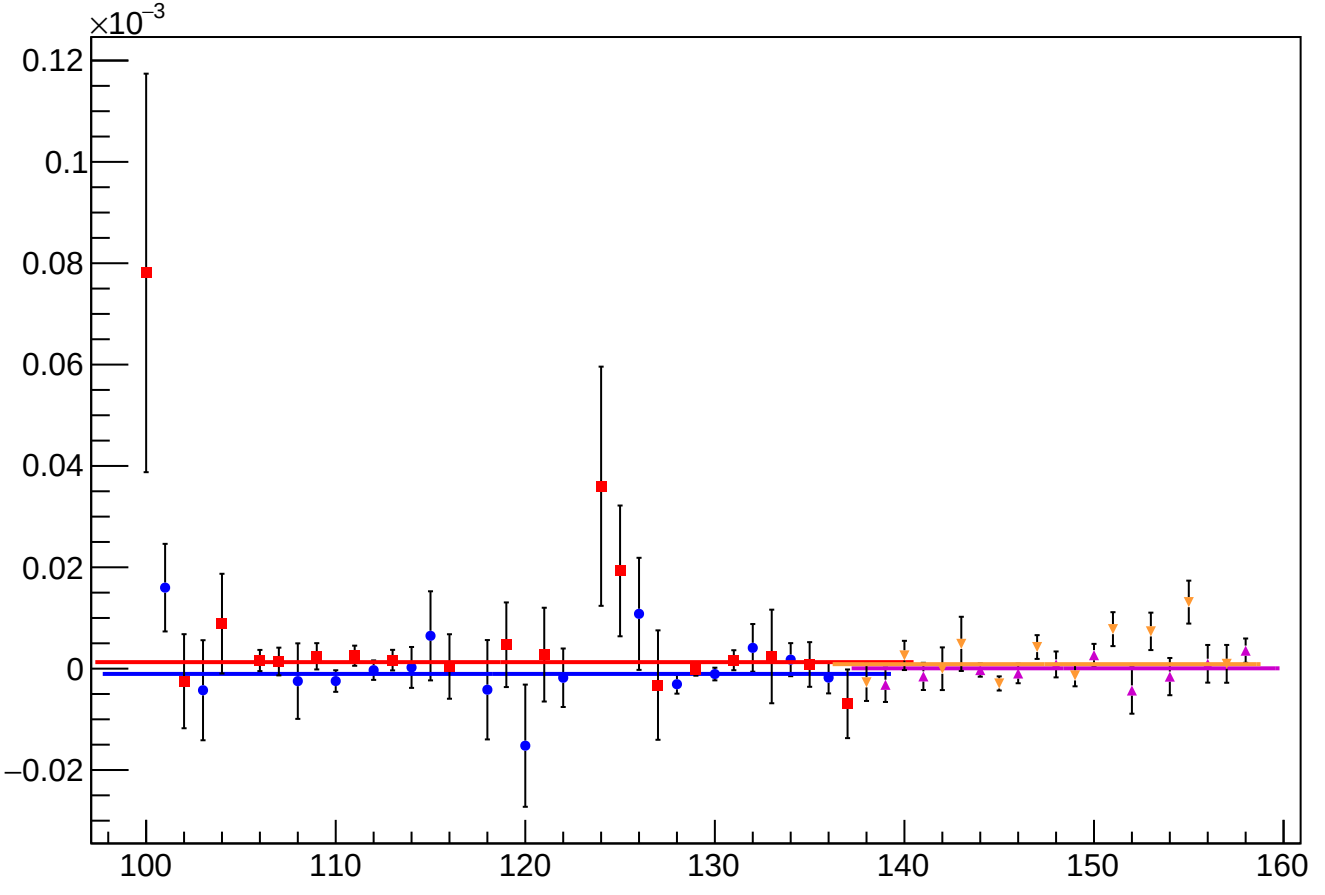
Left In: 26.256+/-0.009 χ^2/NDF:5387567.8/9

+ sign 55.104+/-0.011 χ^2/NDF: 2515245.8/26

All: 39.974+/-0.006 χ^2/NDF: 15616162.2/55

- sign 32.597+/-0.008 χ^2/NDF: 10312589.8/28

asym_sam3_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.1/10

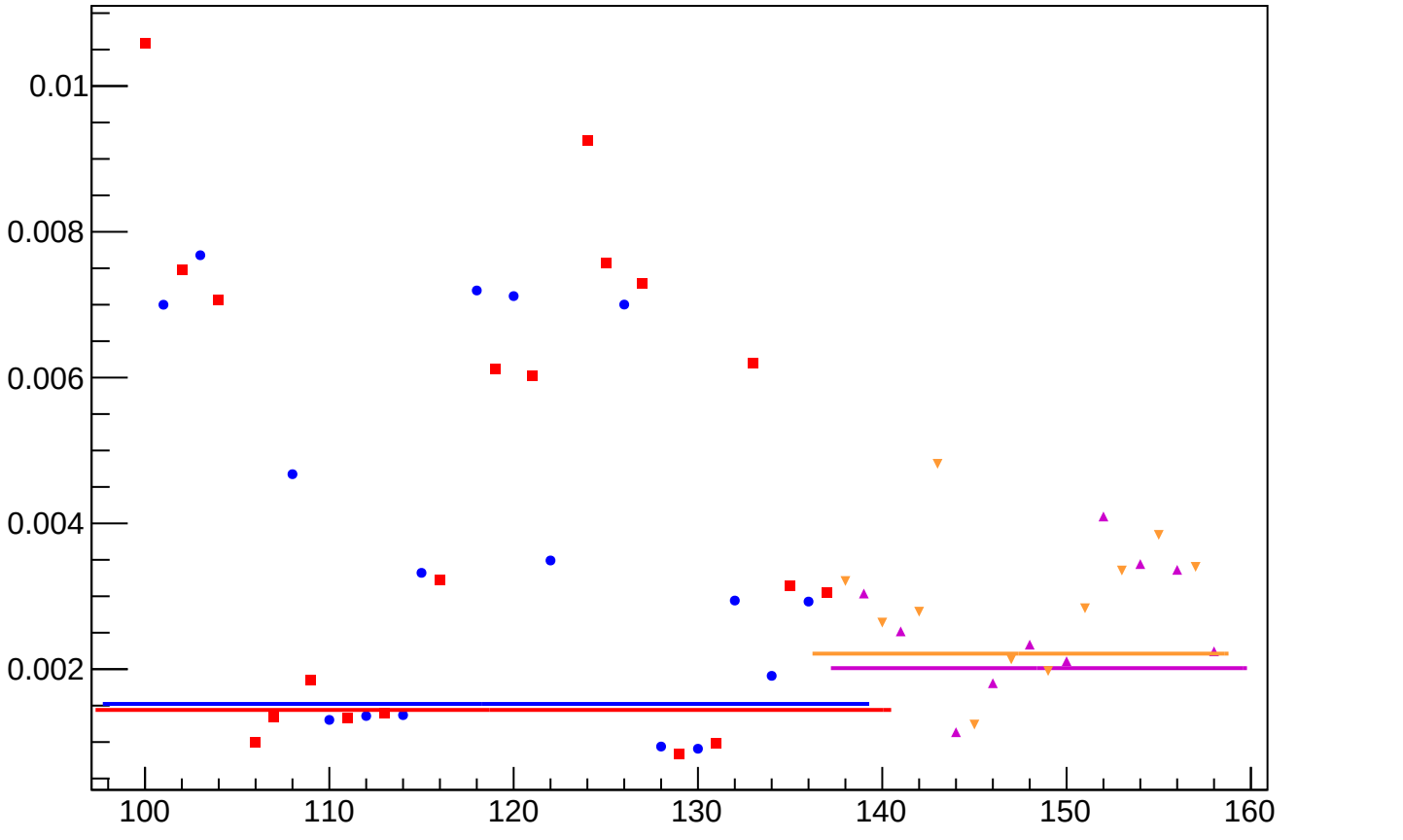
Right Out: 0.000+/-0.000 χ^2/NDF: 12.5/18

Left In: 0.000+/-0.000 χ^2/NDF:6.3/9

+ sign -0.000+/-0.000 χ^2/NDF: 42.4/26

All: 0.000+/-0.000 χ^2/NDF: 64.1/55

- sign 0.000+/-0.000 χ^2/NDF: 20.2/28



Right In: 0.002+/-0.000 χ^2/NDF: 5182869.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:2456478.3/10

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

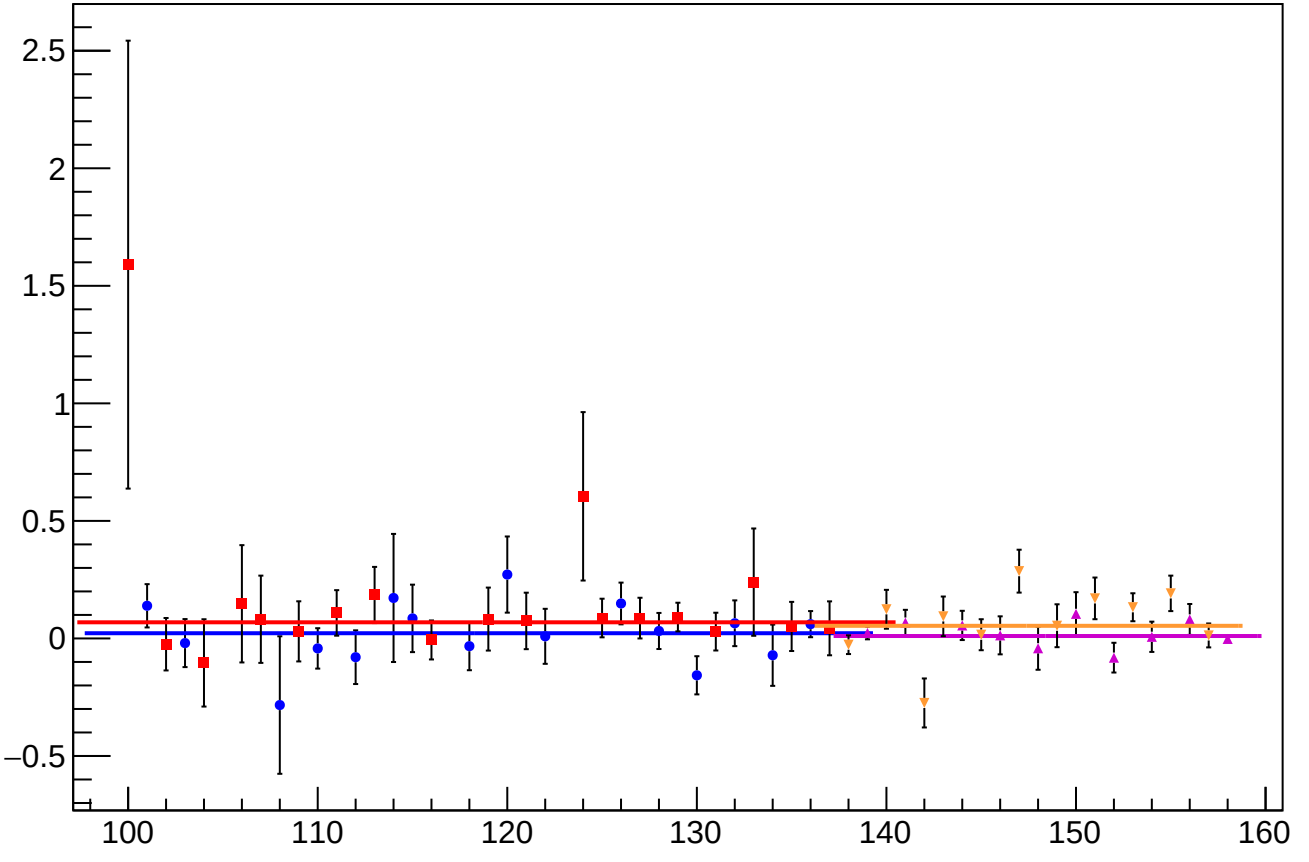
Left In: 0.002+/-0.000 χ^2/NDF:2212405.4/9

+ sign 0.002+/-0.000 χ^2/NDF: 8420227.8/26

All: 0.002+/-0.000 χ^2/NDF: 17105423.0/55

- sign 0.002+/-0.000 χ^2/NDF: 8631742.1/28

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.054+/-0.020 χ^2/NDF:29.2/10

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

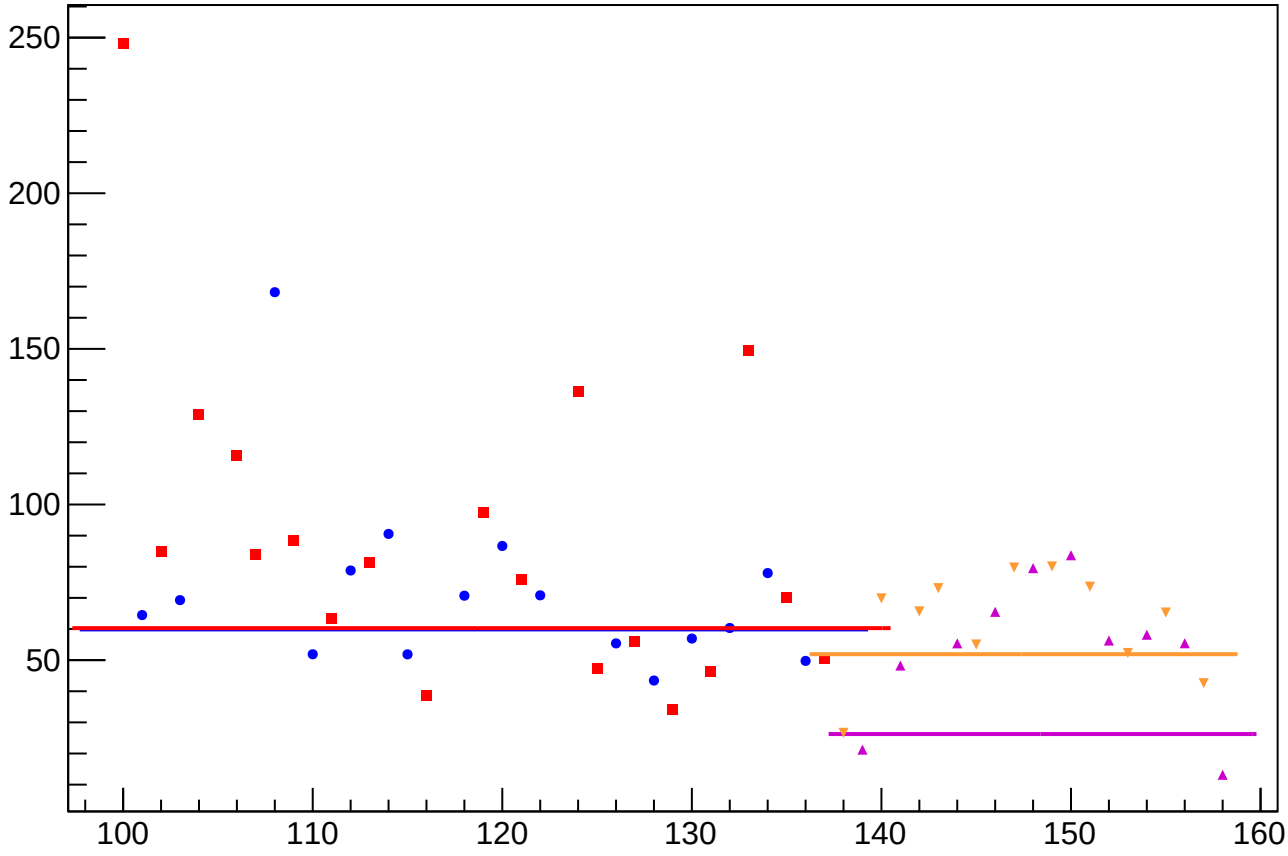
Left In: 0.010+/-0.012 χ^2/NDF:7.1/9

+ sign 0.041+/-0.016 χ^2/NDF: 45.7/26

All: 0.028+/-0.009 χ^2/NDF: 67.8/55

- sign 0.021+/-0.011 χ^2/NDF: 21.0/28

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 51.913+/-0.014 χ^2/NDF:1692124.0/10

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

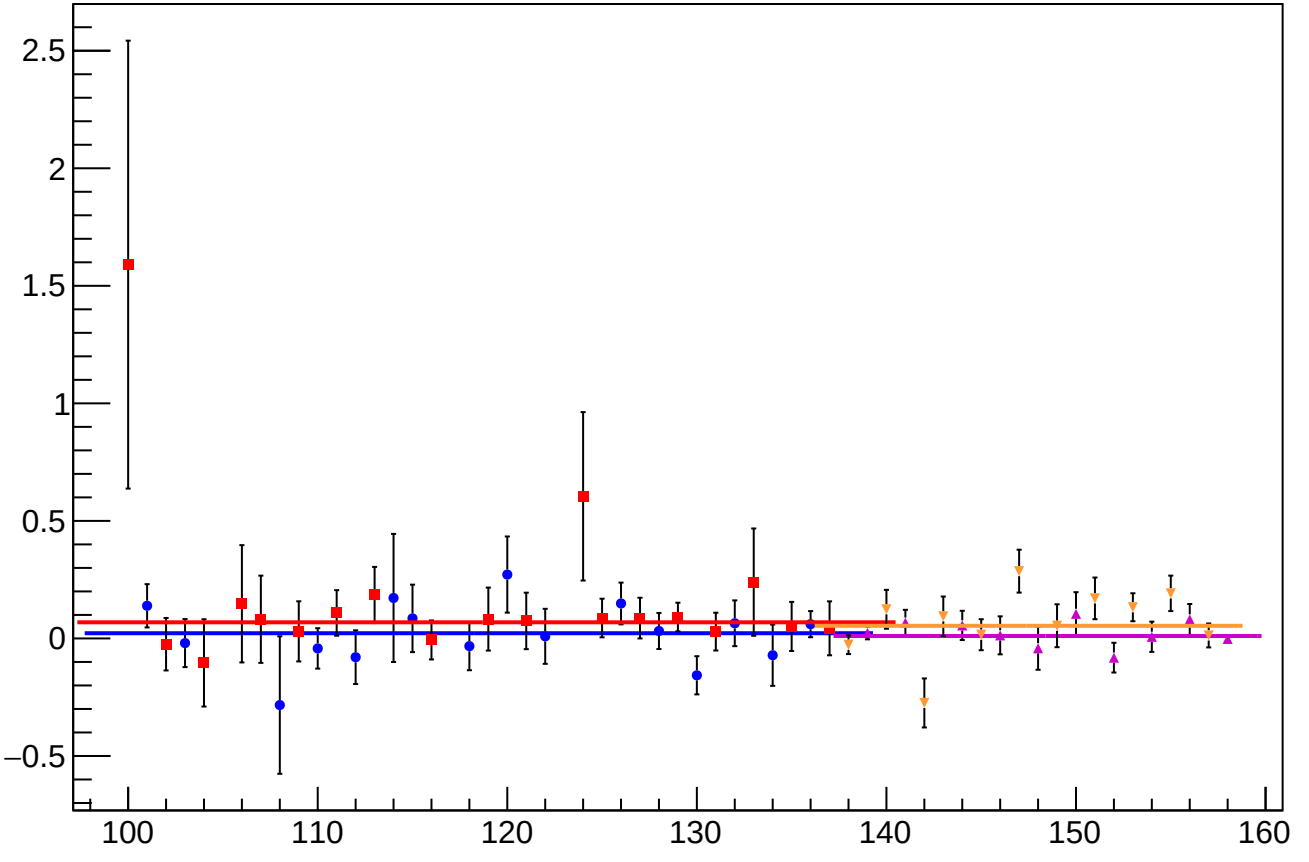
Left In: 26.253+/-0.009 χ^2/NDF:5388463.8/9

+ sign 55.104+/-0.011 χ^2/NDF: 2515625.9/26

All: 39.971+/-0.006 χ^2/NDF: 15619045.0/55

- sign 32.594+/-0.008 χ^2/NDF: 10314180.0/28

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.054+/-0.020 χ^2/NDF:29.2/10

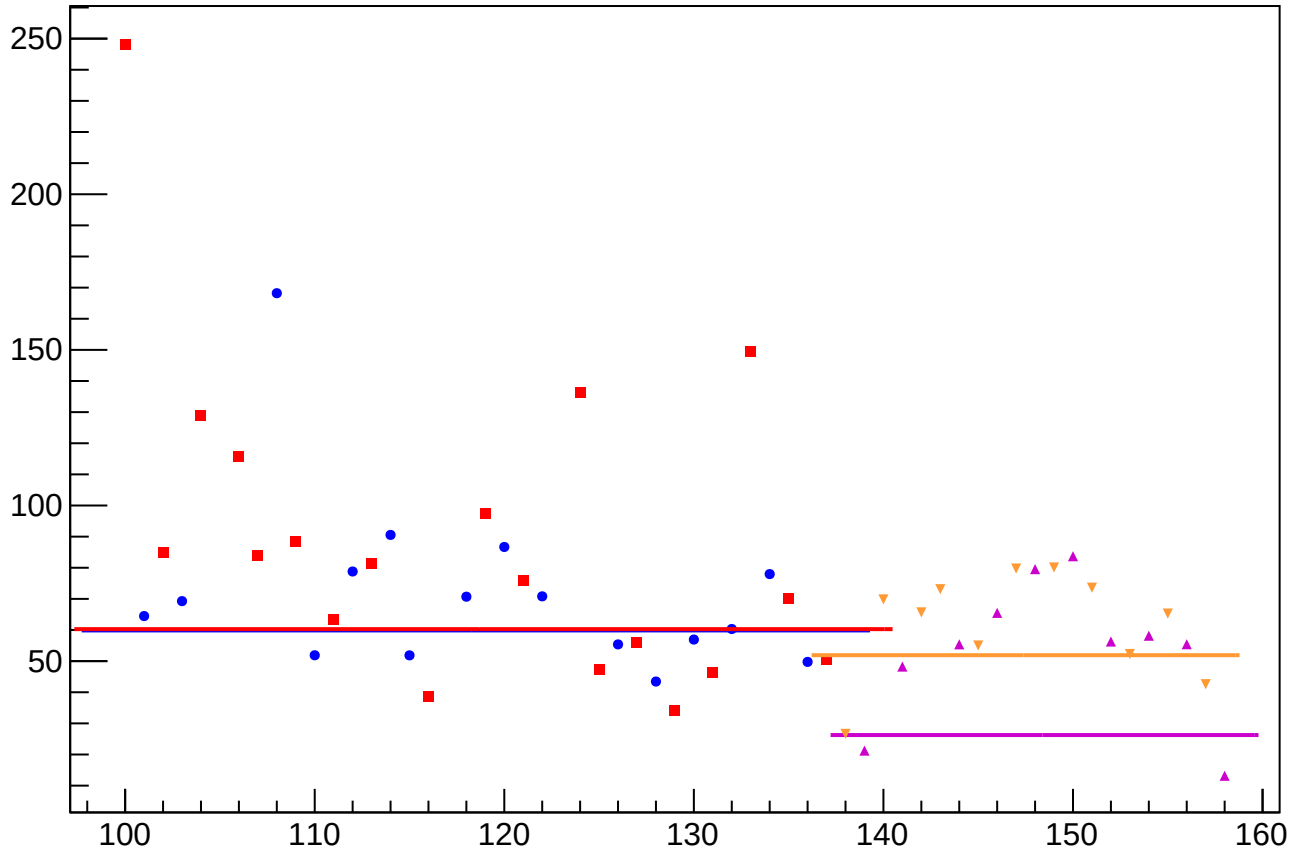
Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: 0.010+/-0.012 χ^2/NDF:7.1/9

+ sign 0.041+/-0.016 χ^2/NDF: 45.7/26

All: 0.028+/-0.009 χ^2/NDF: 67.8/55

- sign 0.021+/-0.011 χ^2/NDF: 21.0/28



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 51.913+/-0.014 χ^2/NDF:1692124.0/10

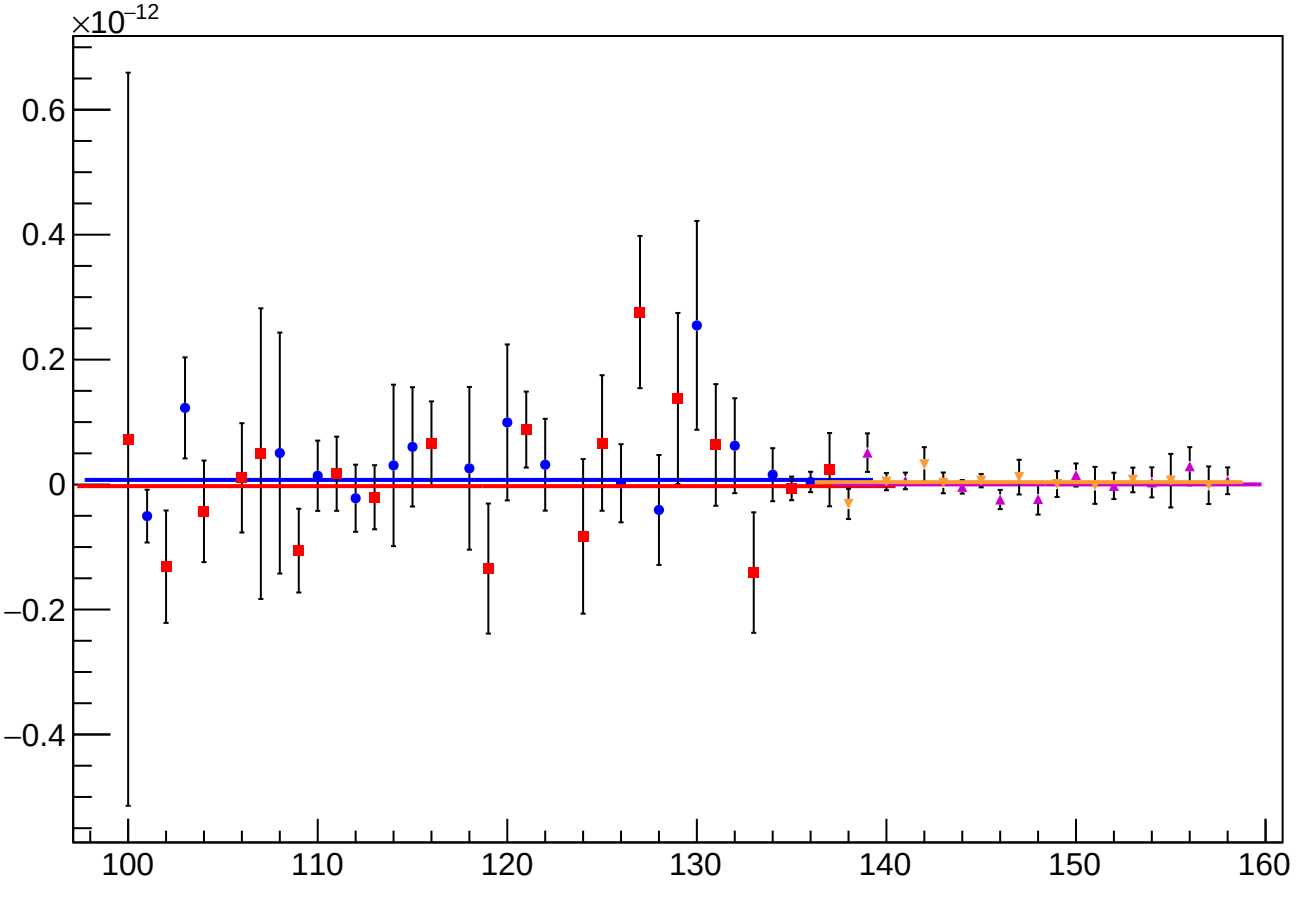
Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 26.253+/-0.009 χ^2/NDF:5388463.8/9

+ sign 55.104+/-0.011 χ^2/NDF: 2515625.9/26

All: 39.971+/-0.006 χ^2/NDF: 15619045.0/55

- sign 32.594+/-0.008 χ^2/NDF: 10314180.0/28



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.4/10

Right Out: -0.000+/-0.000 χ^2/NDF: 19.7/18

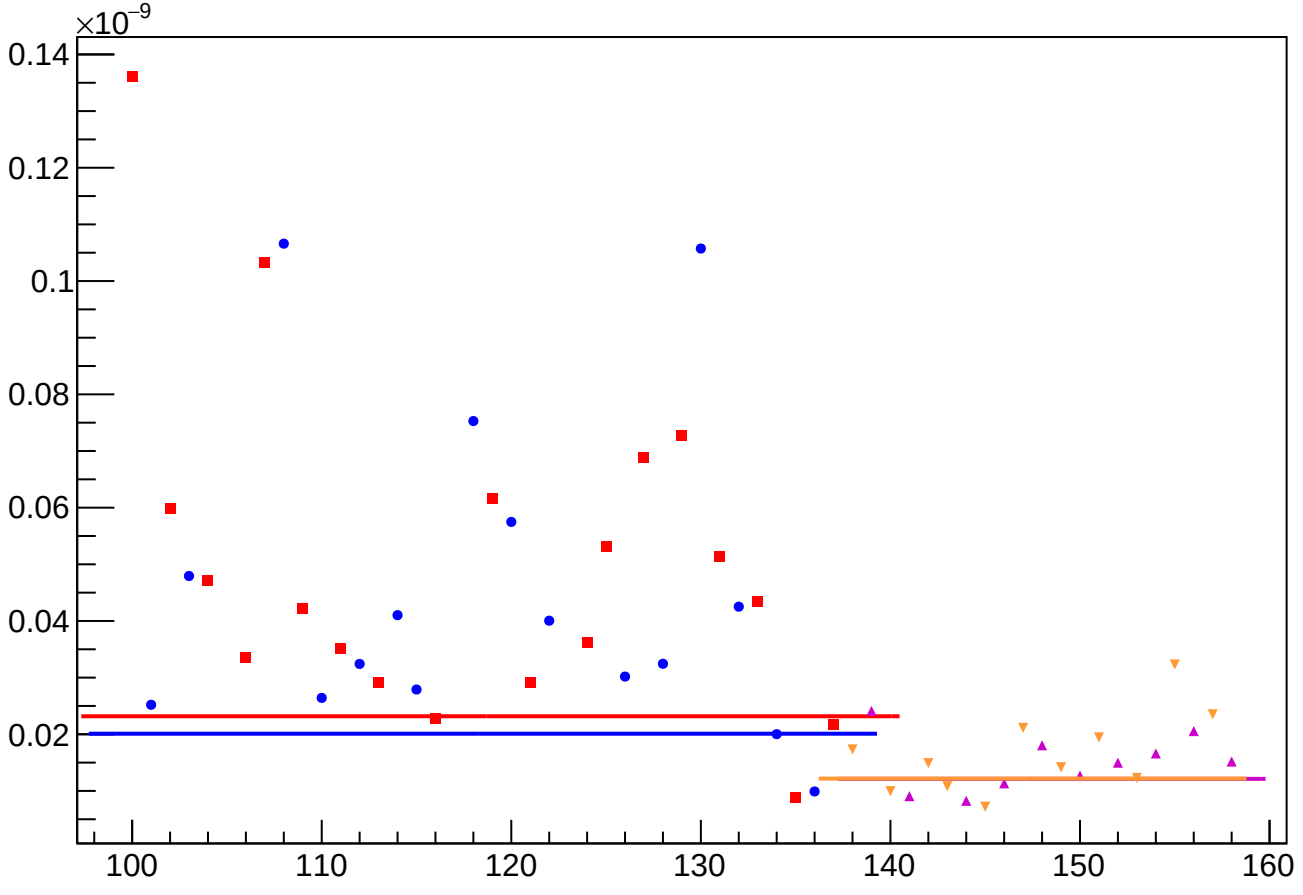
Left In: 0.000+/-0.000 χ^2/NDF:8.0/9

+ sign 0.000+/-0.000 χ^2/NDF: 11.9/26

All: 0.000+/-0.000 χ^2/NDF: 40.0/55

- sign -0.000+/-0.000 χ^2/NDF: 27.8/28

asym_sam3_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3121422.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1687441.5/10

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

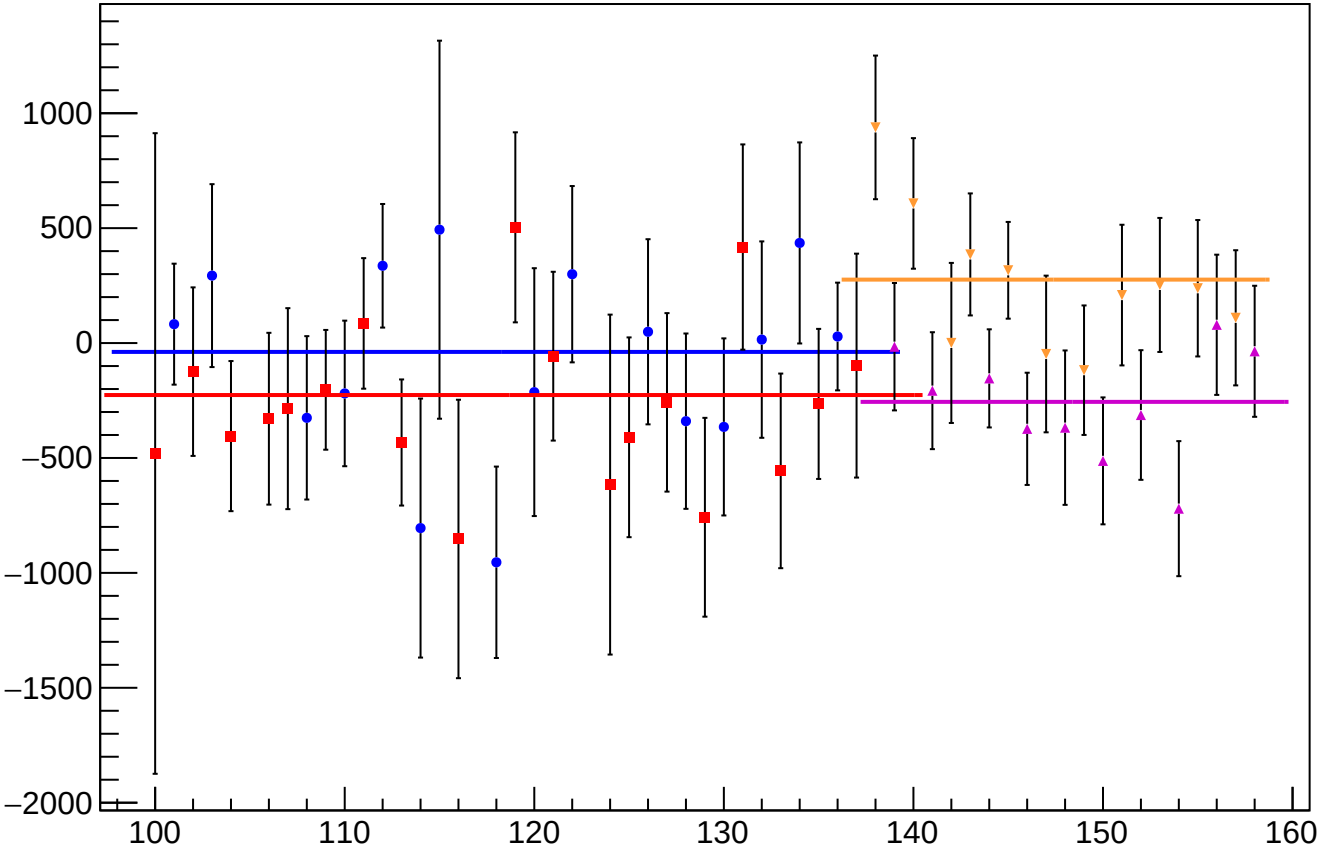
Left In: 0.000+/-0.000 χ^2/NDF:1081720.0/9

+ sign 0.000+/-0.000 χ^2/NDF: 5502269.4/26

All: 0.000+/-0.000 χ^2/NDF: 11250433.3/55

- sign 0.000+/-0.000 χ^2/NDF: 5747476.5/28

reg_asym_sam4_mean vs Slug



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 276.047+/-86.322 χ^2/NDF:9.9/10

Right Out: -226.168+/-87.908 χ^2/NDF: 11.4/18

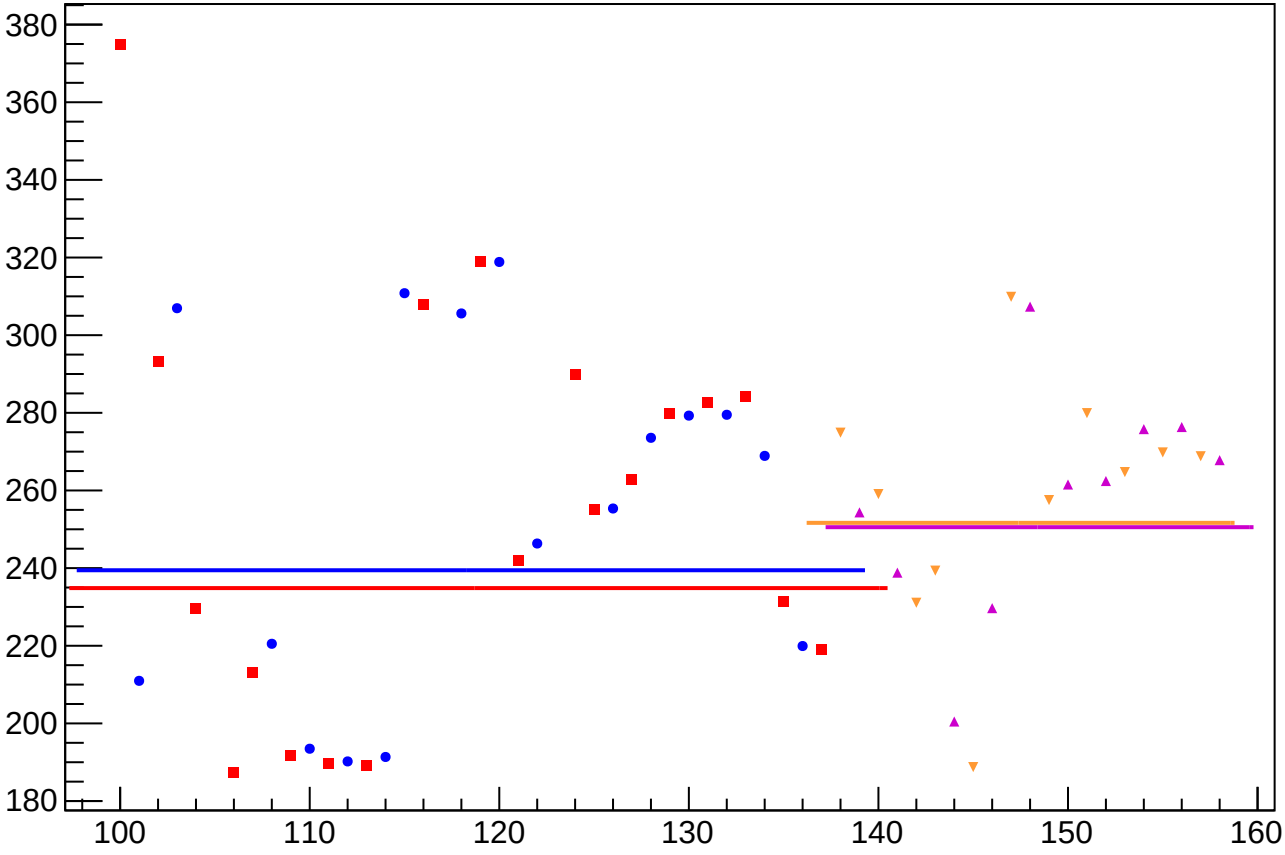
Left In: -255.880+/-85.636 χ^2/NDF:6.6/9

+ sign 126.407+/-62.503 χ^2/NDF: 30.7/26

All: -60.952+/-43.780 χ^2/NDF: 66.4/55

- sign -241.413+/-61.341 χ^2/NDF: 18.1/28

reg_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 251.662+/-0.061 χ^2/NDF:296947.4/10

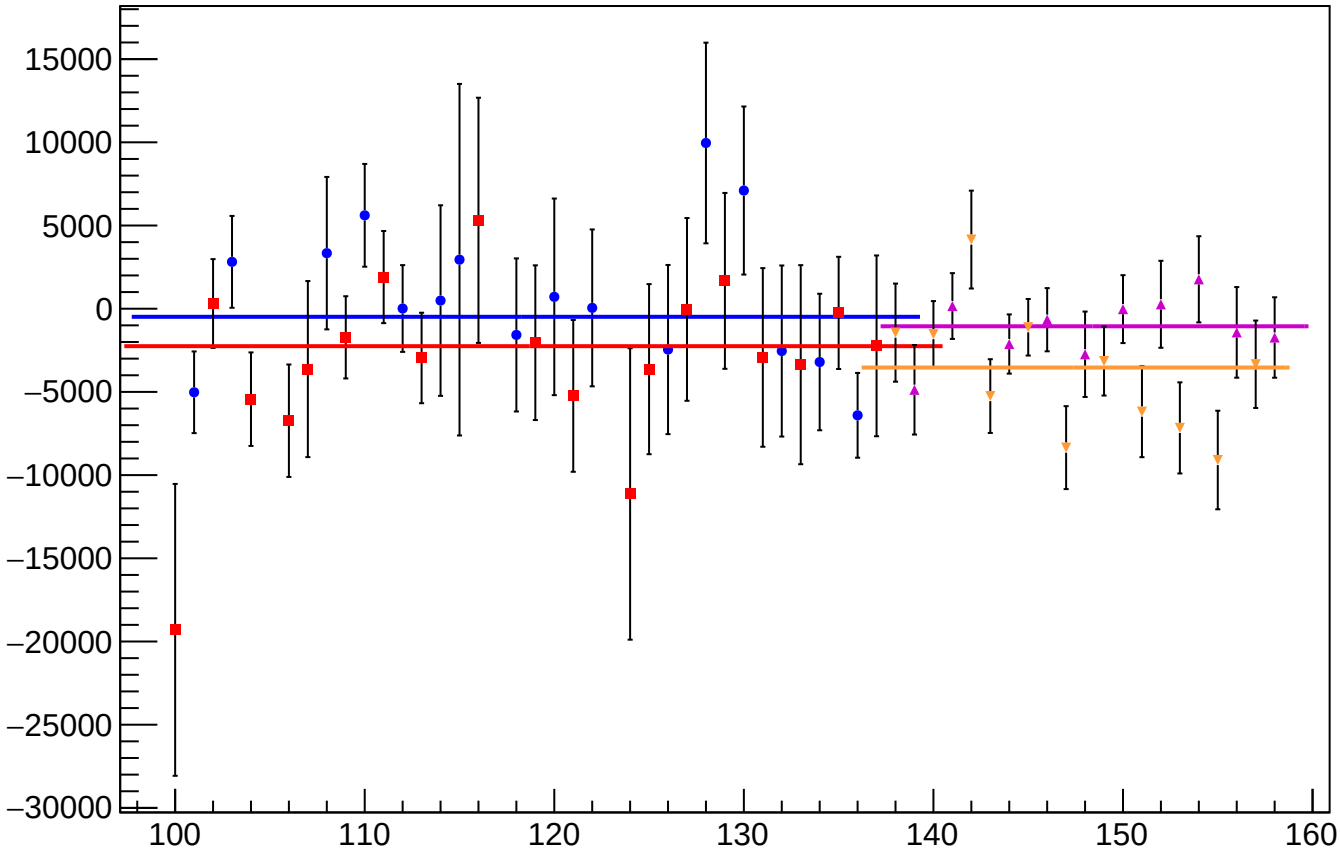
Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

Left In: 250.544+/-0.061 χ^2/NDF:229480.5/9

+ sign 245.852+/-0.044 χ^2/NDF: 716948.1/26

All: 244.351+/-0.031 χ^2/NDF: 1463097.3/55

- sign 242.905+/-0.043 χ^2/NDF: 743884.4/28



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -3534.565+/-715.321 χ^2/NDF:21.0/10

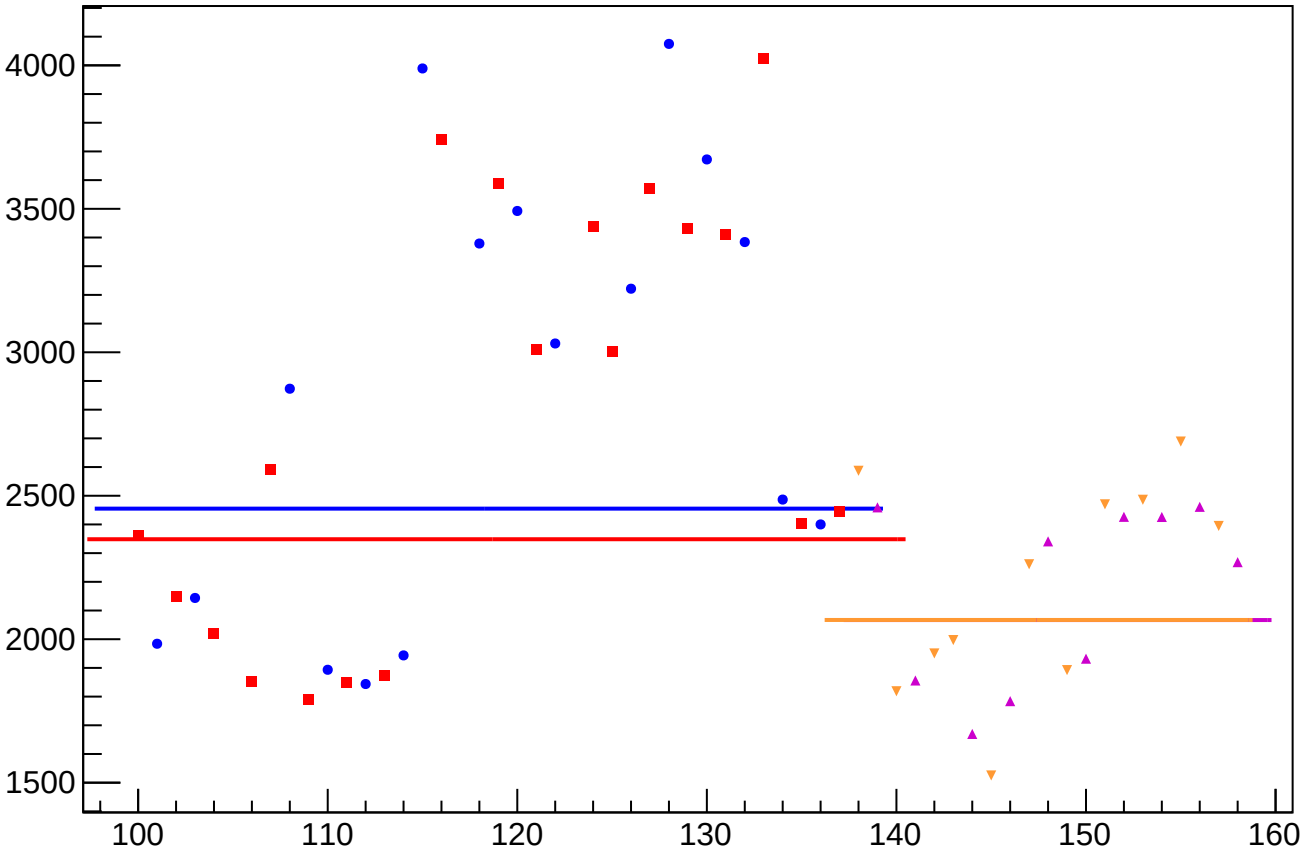
Right Out: -2251.898+/-894.171 χ^2/NDF: 13.9/18

Left In: -1056.096+/-710.586 χ^2/NDF:5.0/9

+ sign -2427.726+/-570.887 χ^2/NDF: 48.7/26

All: -1961.597+/-398.426 χ^2/NDF: 70.0/55

- sign -1518.964+/-556.313 χ^2/NDF: 20.0/28



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 2067.083+/-0.506 χ^2/NDF:537818.3/10

Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

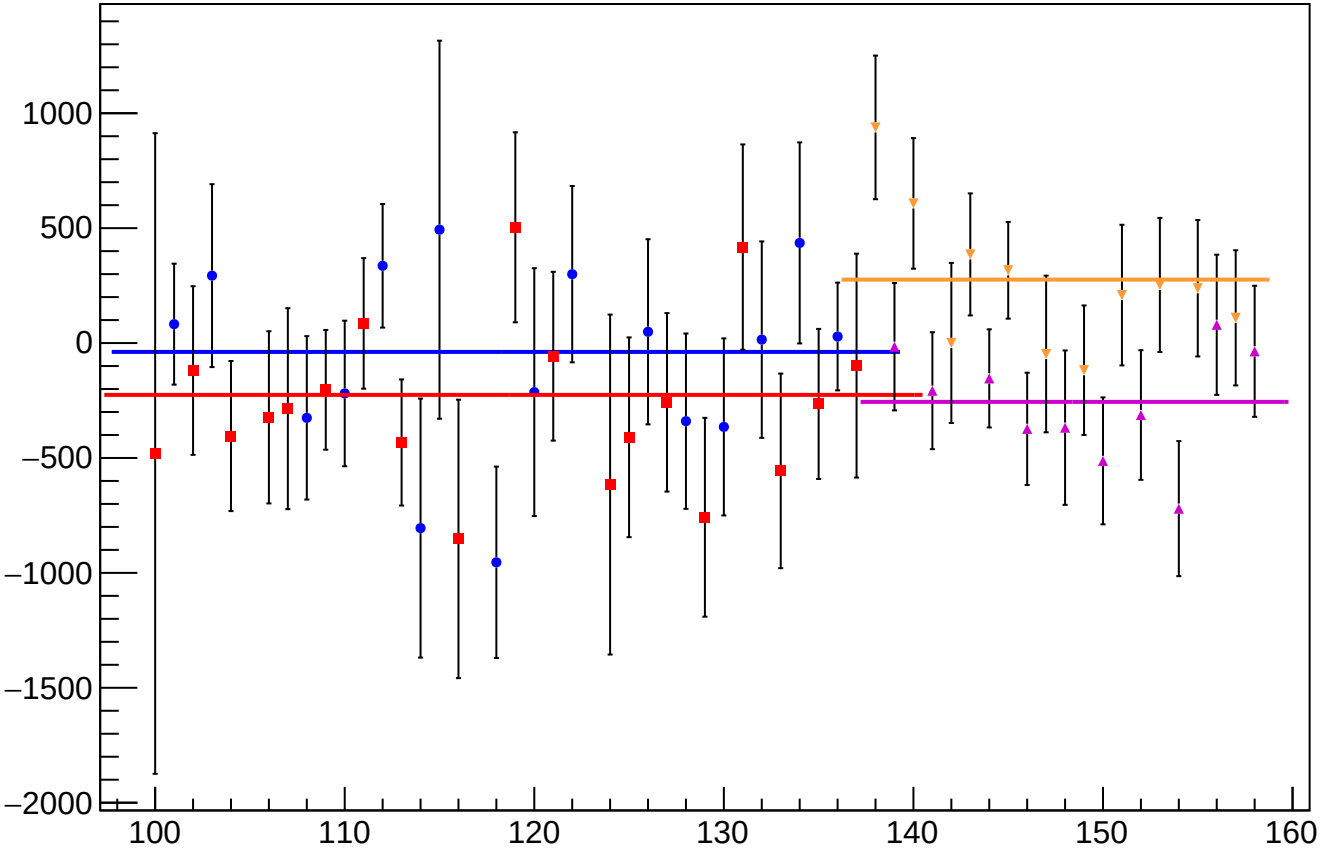
Left In: 2066.802+/-0.502 χ^2/NDF:372976.2/9

+ sign 2207.958+/-0.404 χ^2/NDF: 1645863.6/26

All: 2191.474+/-0.282 χ^2/NDF: 3196129.9/55

- sign 2175.820+/-0.393 χ^2/NDF: 1547015.2/28

cor_asym_sam4_mean vs Slug



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 276.057+/-86.322 χ^2/NDF:9.9/10

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

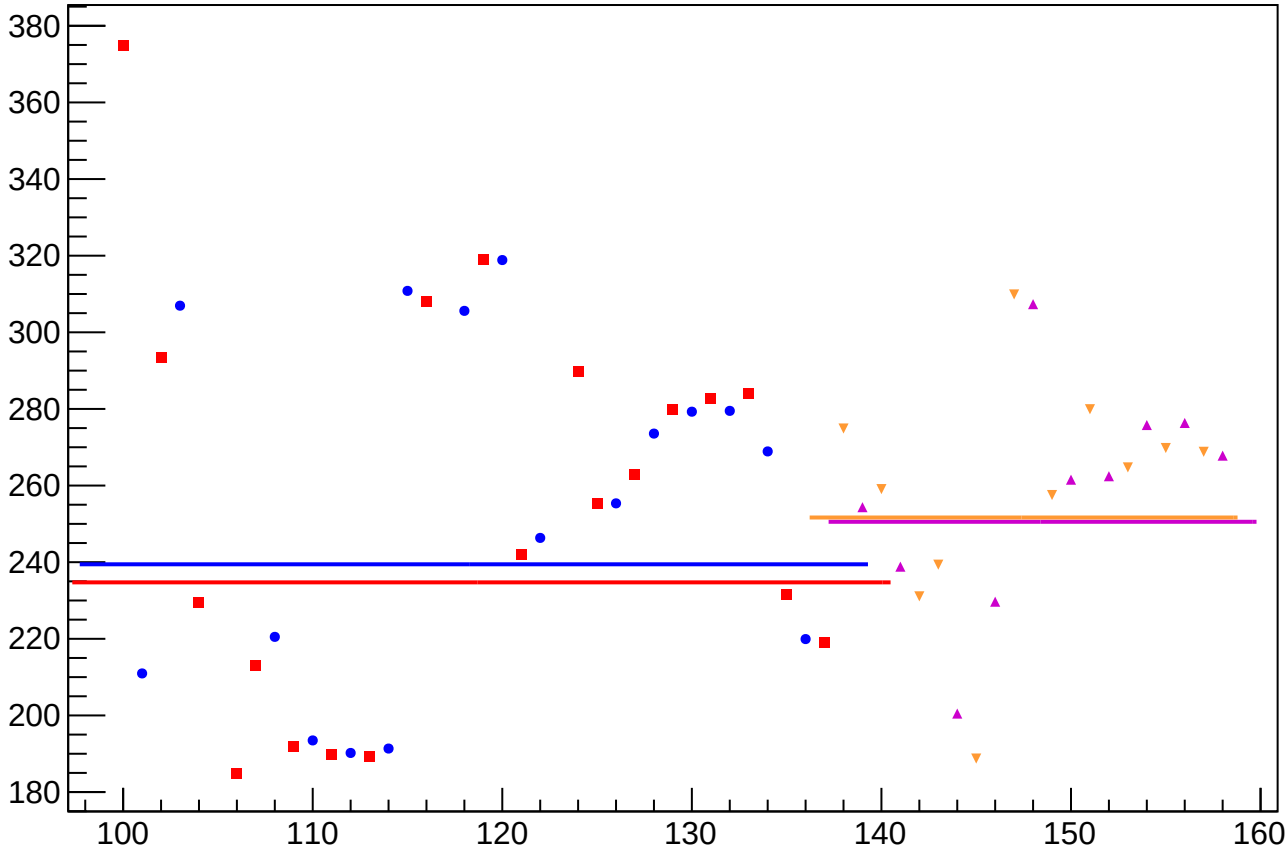
Left In: -255.886+/-85.636 χ^2/NDF:6.6/9

+ sign 126.403+/-62.503 χ^2/NDF: 30.7/26

All: -60.782+/-43.781 χ^2/NDF: 66.4/55

- sign -241.100+/-61.346 χ^2/NDF: 18.0/28

cor_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 251.662+/-0.061 χ^2/NDF:296947.4/10

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

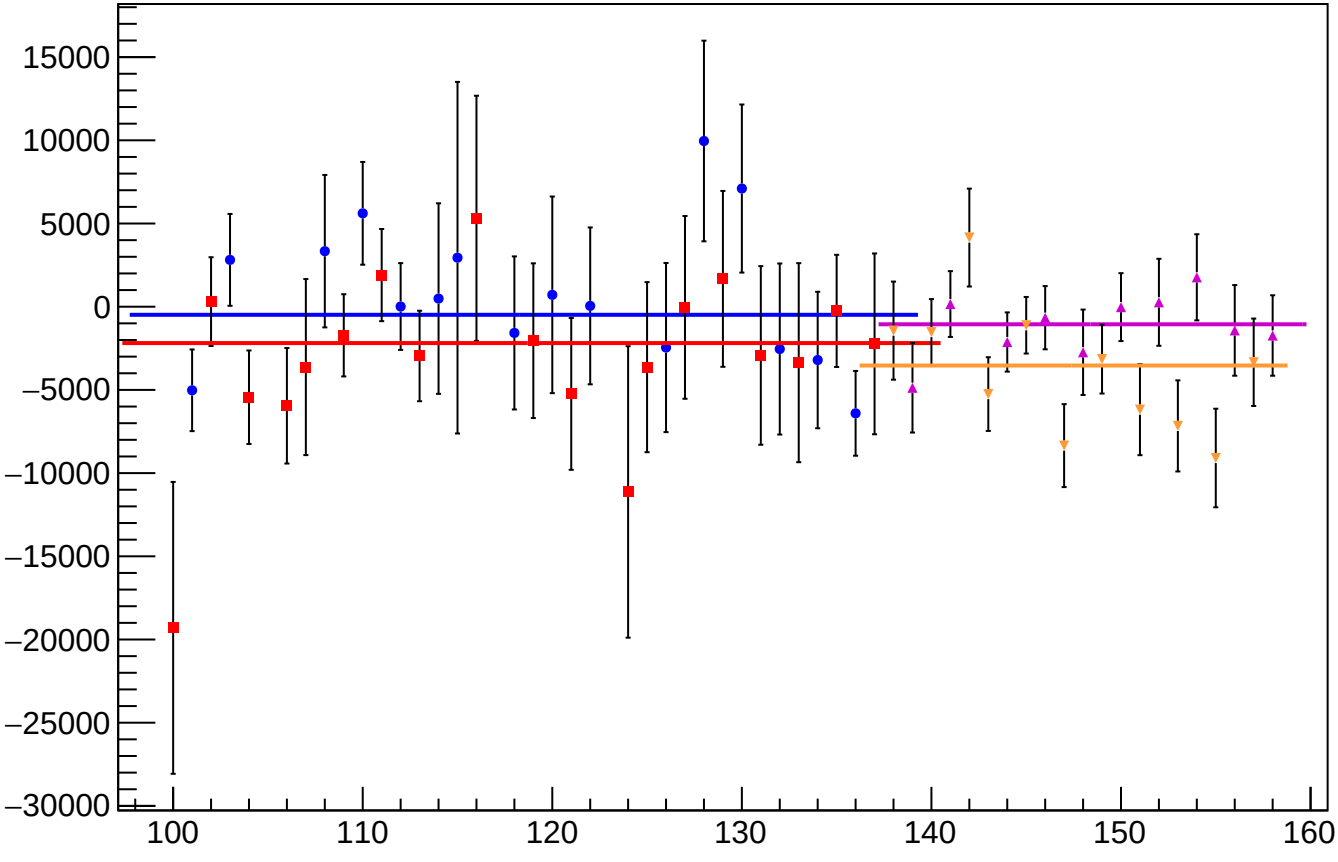
Left In: 250.544+/-0.061 χ^2/NDF:229480.6/9

\+ sign 245.852+/-0.044 χ^2/NDF: 716950.3/26

All: 244.321+/-0.031 χ^2/NDF: 1467216.4/55

\- sign 242.847+/-0.043 χ^2/NDF: 747911.3/28

asym_sam4_cor_correction_mean vs Slug



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -3534.555+/-715.321 χ^2/NDF:21.0/10

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

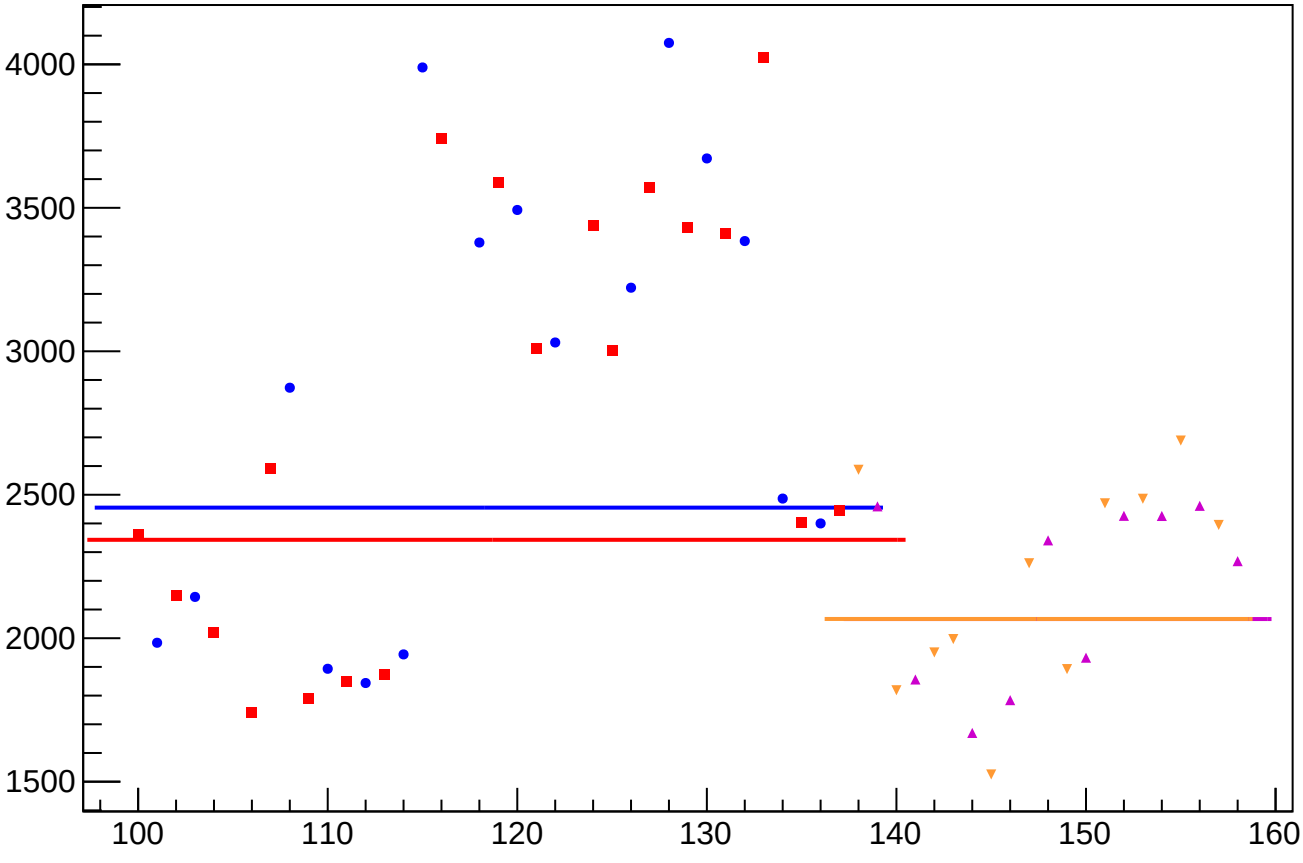
Left In: -1056.112+/-710.586 χ^2/NDF:5.0/9

+ sign -2427.794+/-570.889 χ^2/NDF: 48.7/26

All: -1948.142+/-398.576 χ^2/NDF: 69.3/55

- sign -1492.004+/-556.720 χ^2/NDF: 19.2/28

asym_sam4_cor_correction_rms vs Slug



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2067.083+/-0.506 χ^2/NDF:537820.7/10

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

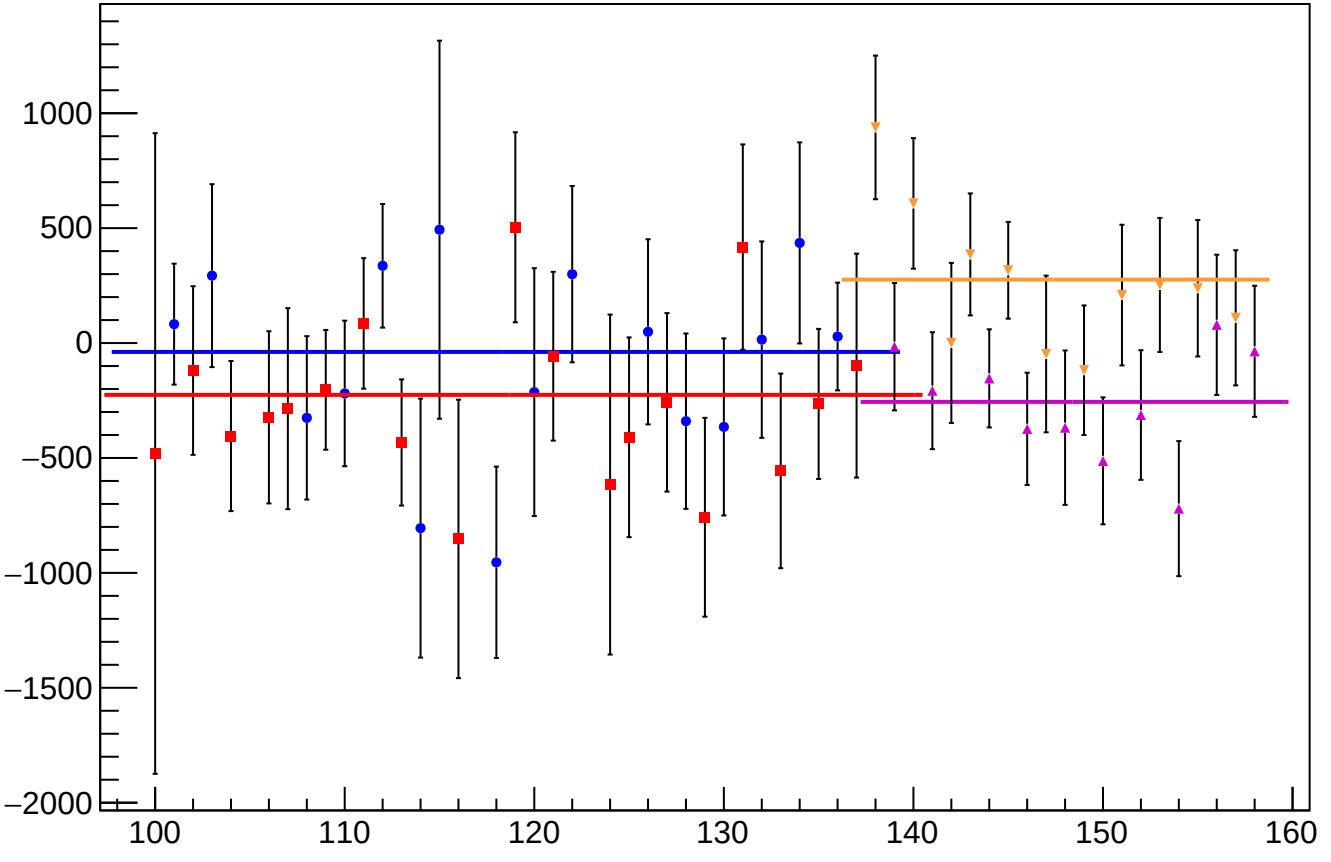
Left In: 2066.803+/-0.502 χ^2/NDF:372973.8/9

+ sign 2207.965+/-0.404 χ^2/NDF: 1645859.8/26

All: 2190.273+/-0.282 χ^2/NDF: 3209619.0/55

- sign 2173.448+/-0.394 χ^2/NDF: 1560011.7/28

eigen_cor_asym_sam4_mean vs Slug



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 276.057+/-86.322 χ^2/NDF:9.9/10

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

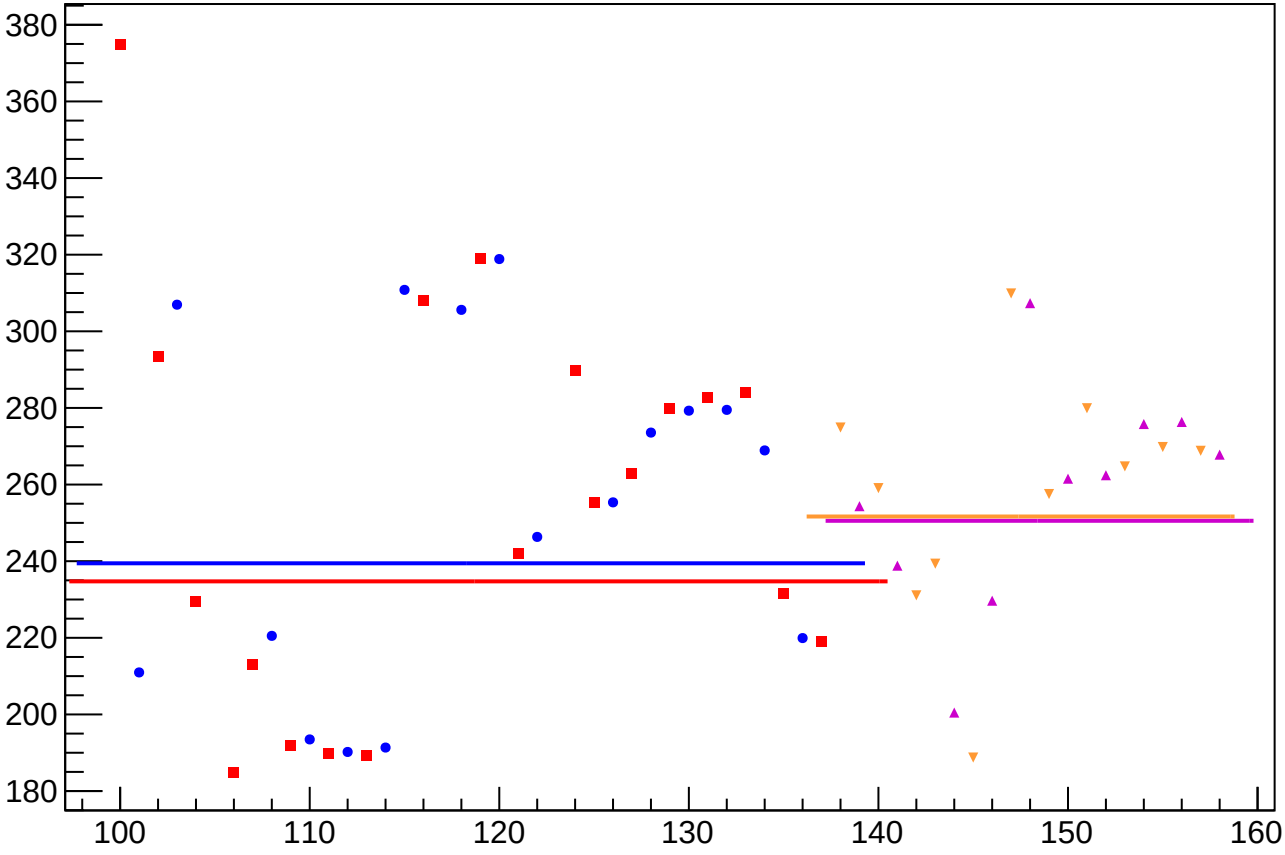
Left In: -255.886+/-85.636 χ^2/NDF:6.6/9

+ sign 126.403+/-62.503 χ^2/NDF: 30.7/26

All: -60.782+/-43.781 χ^2/NDF: 66.4/55

- sign -241.100+/-61.346 χ^2/NDF: 18.0/28

eigen_cor_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 251.662+/-0.061 χ^2/NDF:296947.4/10

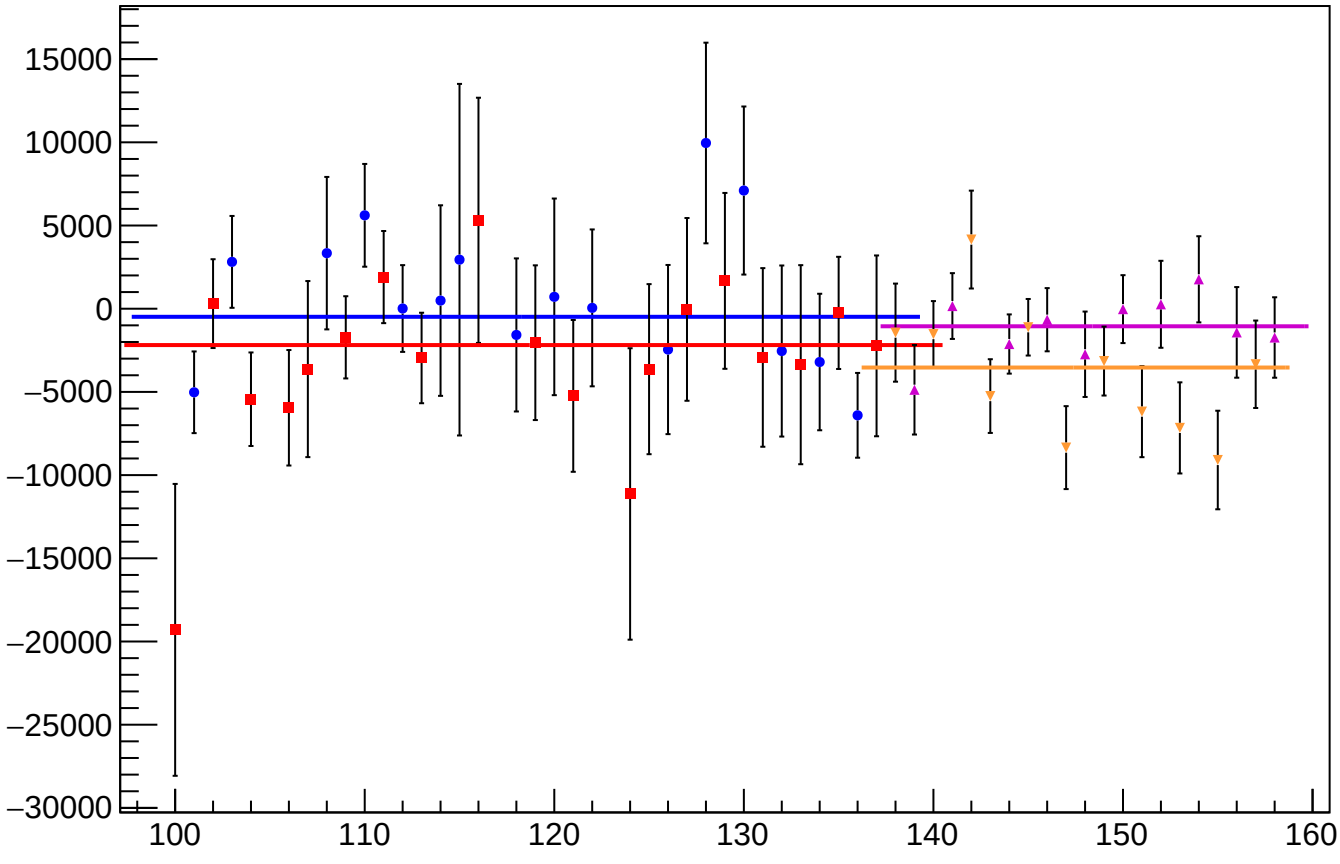
Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 250.544+/-0.061 χ^2/NDF:229480.6/9

+ sign 245.852+/-0.044 χ^2/NDF: 716950.3/26

All: 244.321+/-0.031 χ^2/NDF: 1467216.4/55

- sign 242.847+/-0.043 χ^2/NDF: 747911.3/28



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -3534.555+/-715.321 χ^2/NDF:21.0/10

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

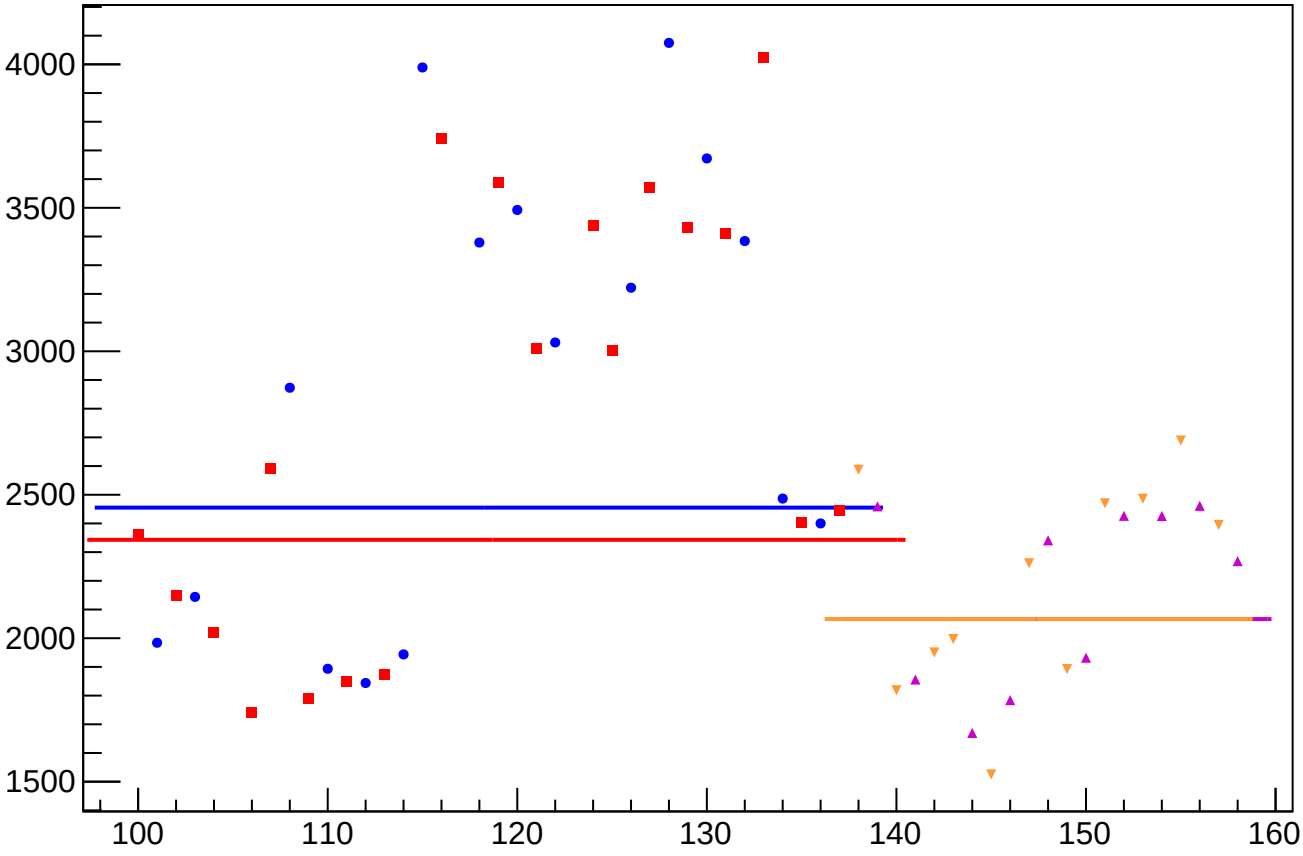
Left In: -1056.112+/-710.586 χ^2/NDF:5.0/9

+ sign -2427.794+/-570.889 χ^2/NDF: 48.7/26

All: -1948.142+/-398.576 χ^2/NDF: 69.3/55

- sign -1492.004+/-556.720 χ^2/NDF: 19.2/28

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2067.083+/-0.506 χ^2/NDF:537820.7/10

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

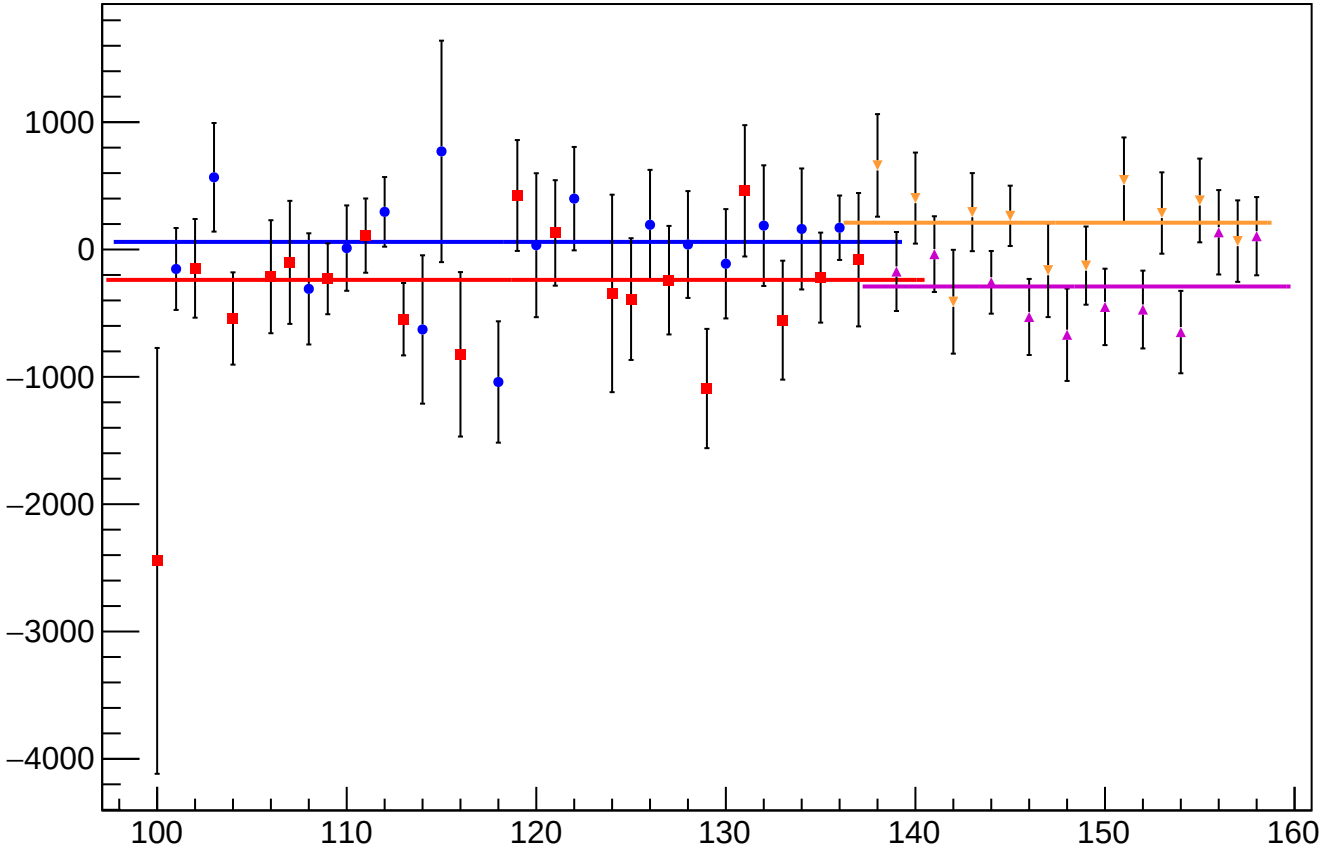
Left In: 2066.803+/-0.502 χ^2/NDF:372973.8/9

+ sign 2207.965+/-0.404 χ^2/NDF: 1645859.8/26

All: 2190.273+/-0.282 χ^2/NDF: 3209619.0/55

- sign 2173.448+/-0.394 χ^2/NDF: 1560011.7/28

dit_asym_sam4_mean vs Slug



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 210.554+/-97.962 χ^2/NDF:7.8/10

Right Out: -238.516+/-95.062 χ^2/NDF: 14.9/18

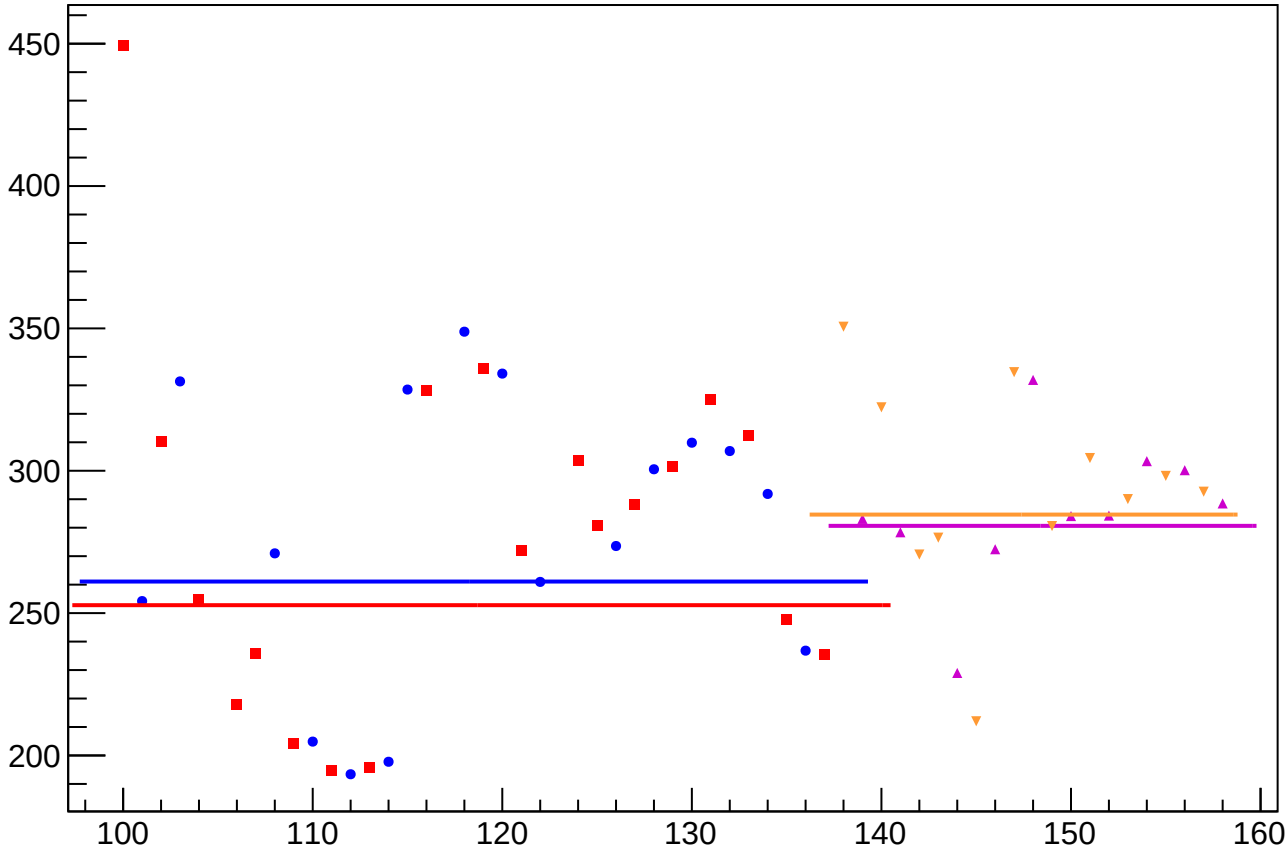
Left In: -290.426+/-96.180 χ^2/NDF:7.8/9

+ sign 136.110+/-69.713 χ^2/NDF: 20.9/26

All: -70.155+/-48.534 χ^2/NDF: 60.8/55

- sign -264.167+/-67.611 χ^2/NDF: 22.9/28

dit_asym_sam4_rms vs Slug



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 284.607+/-0.069 χ^2/NDF:317023.4/10

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

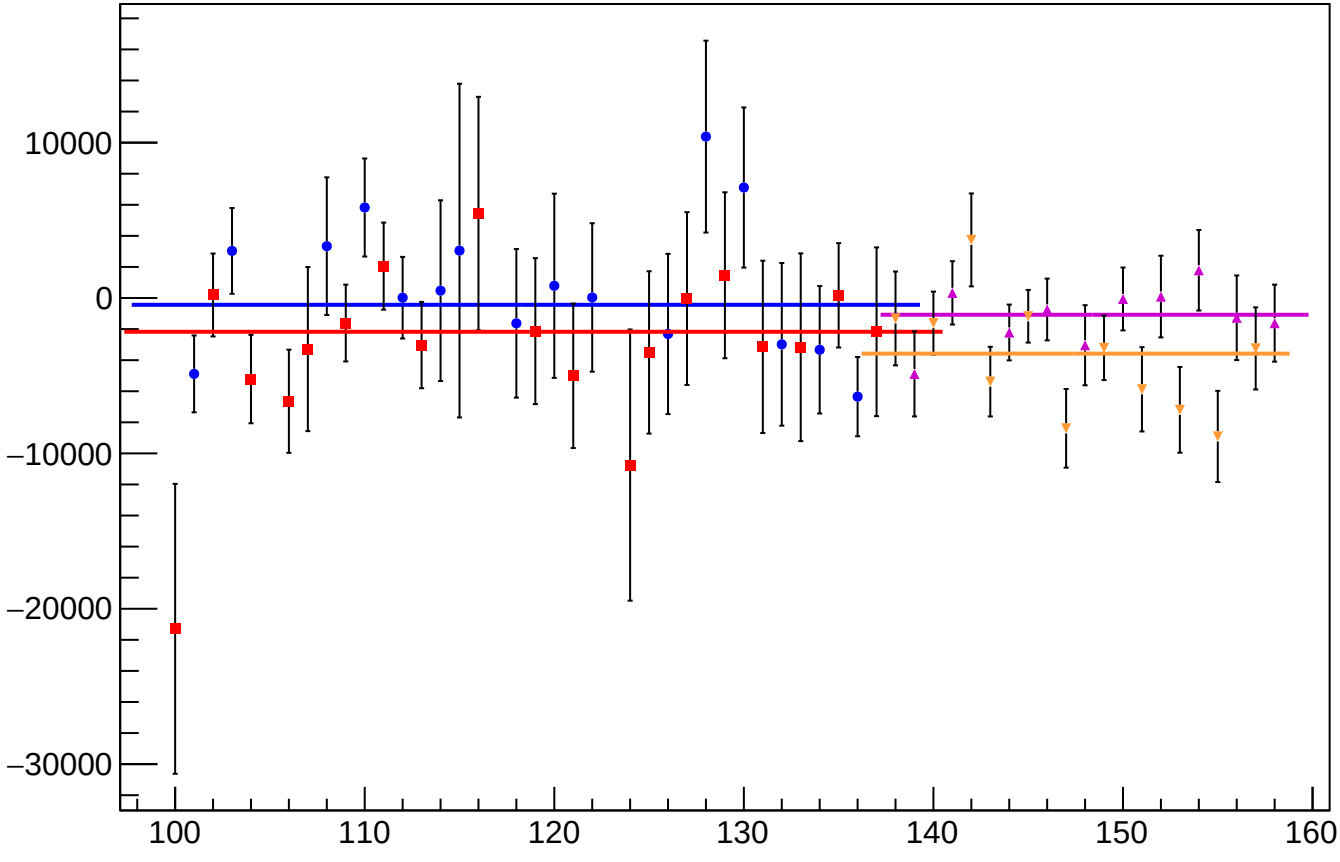
Left In: 280.649+/-0.068 χ^2/NDF:148487.0/9

+ sign 272.999+/-0.049 χ^2/NDF: 836578.8/26

All: 269.678+/-0.034 χ^2/NDF: 1616061.4/55

- sign 266.555+/-0.048 χ^2/NDF: 770677.5/28

asym_sam4_dit_correction_mean vs Slug



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -3578.931+/-720.344 χ^2/NDF:19.5/10

Right Out: -2172.091+/-901.102 χ^2/NDF: 14.0/18

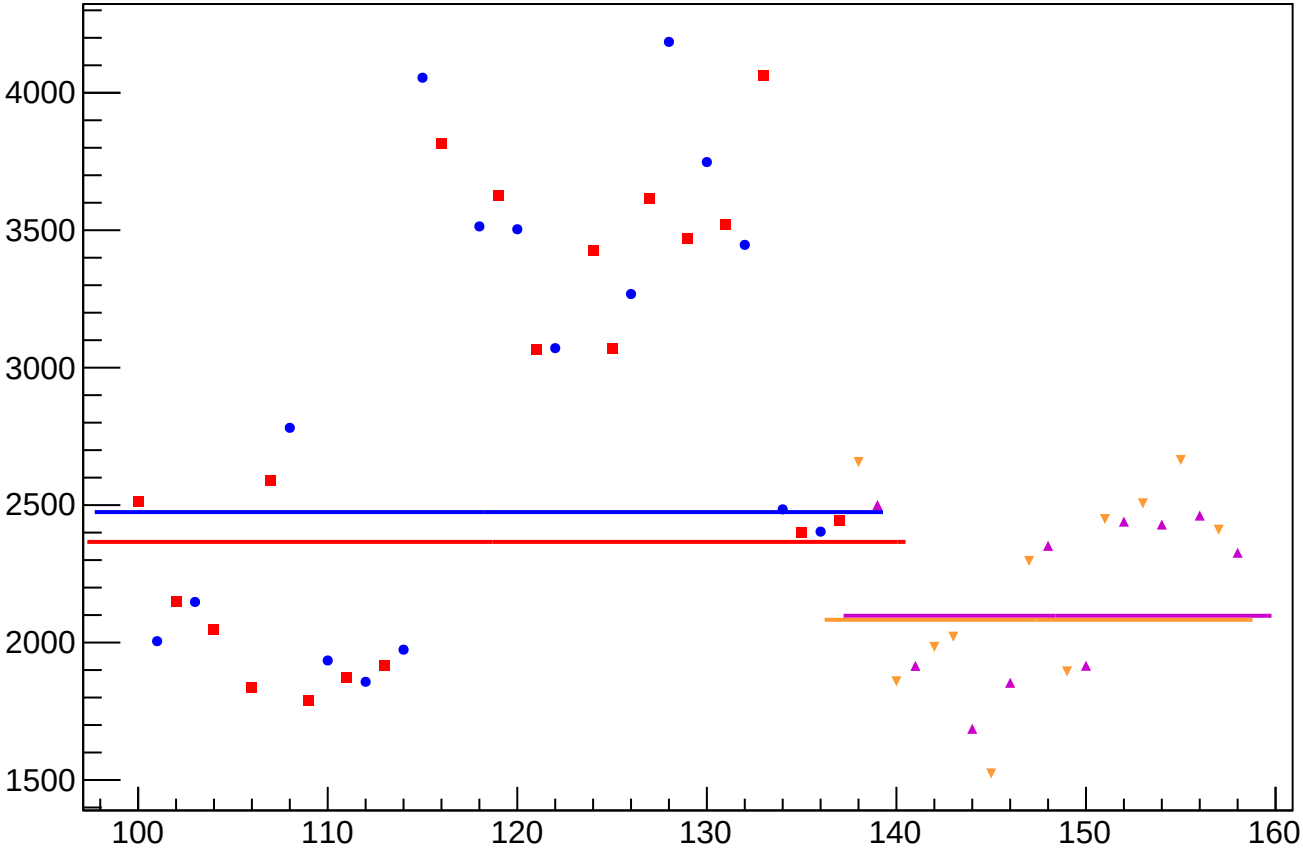
Left In: -1078.401+/-720.965 χ^2/NDF:5.2/9

+ sign -2439.678+/-575.119 χ^2/NDF: 47.6/26

All: -1962.485+/-402.300 χ^2/NDF: 69.0/55

- sign -1505.267+/-562.953 χ^2/NDF: 20.0/28

asym_sam4_dit_correction_rms vs Slug



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 2082.883+/-0.509 χ^2/NDF:541395.8/10

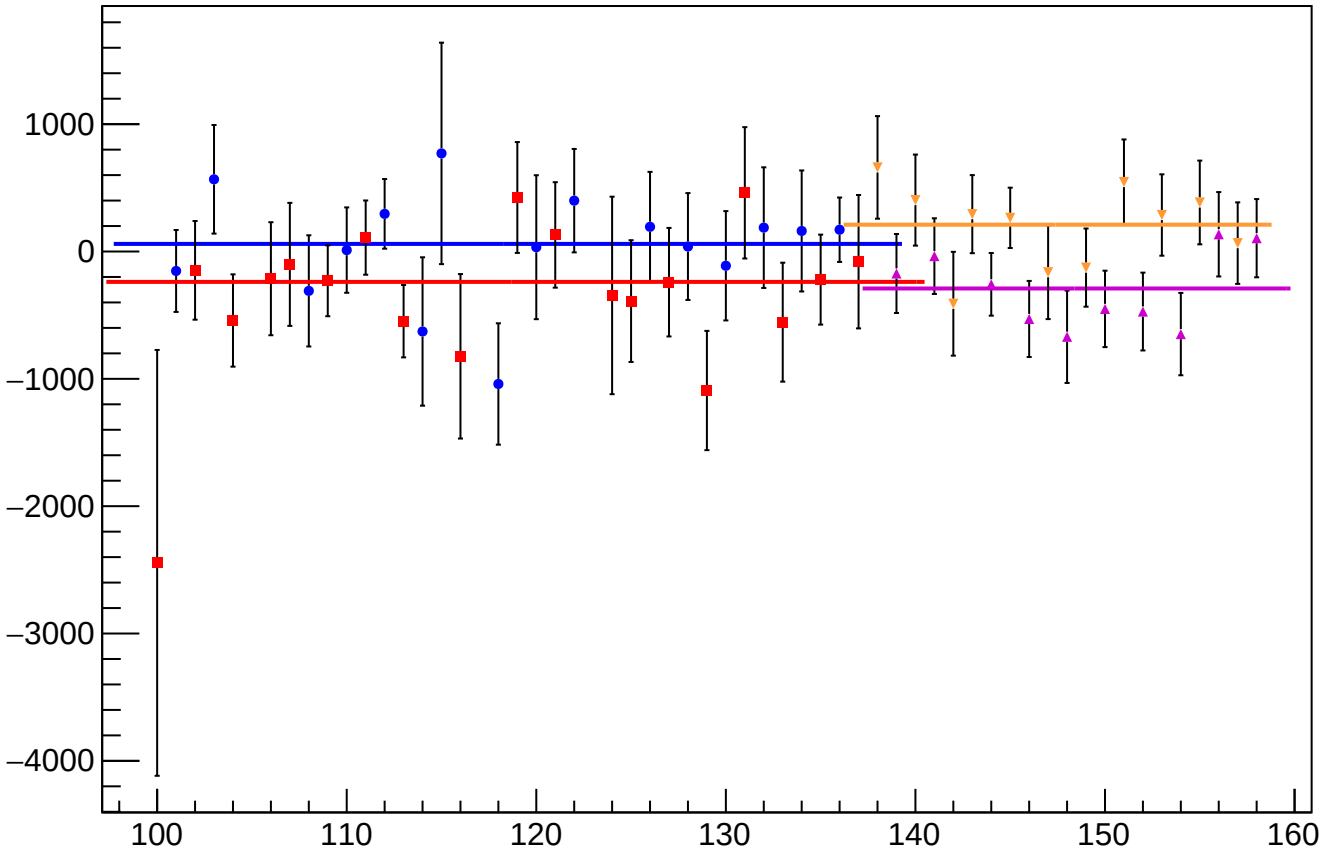
Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

Left In: 2097.473+/-0.510 χ^2/NDF:349860.4/9

+ sign 2224.914+/-0.407 χ^2/NDF: 1672099.1/26

All: 2213.398+/-0.284 χ^2/NDF: 3209170.0/55

- sign 2202.365+/-0.398 χ^2/NDF: 1535500.8/28



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 210.556+/-97.962 χ^2/NDF:7.8/10

Right Out: -238.515+/-95.062 χ^2/NDF: 14.9/18

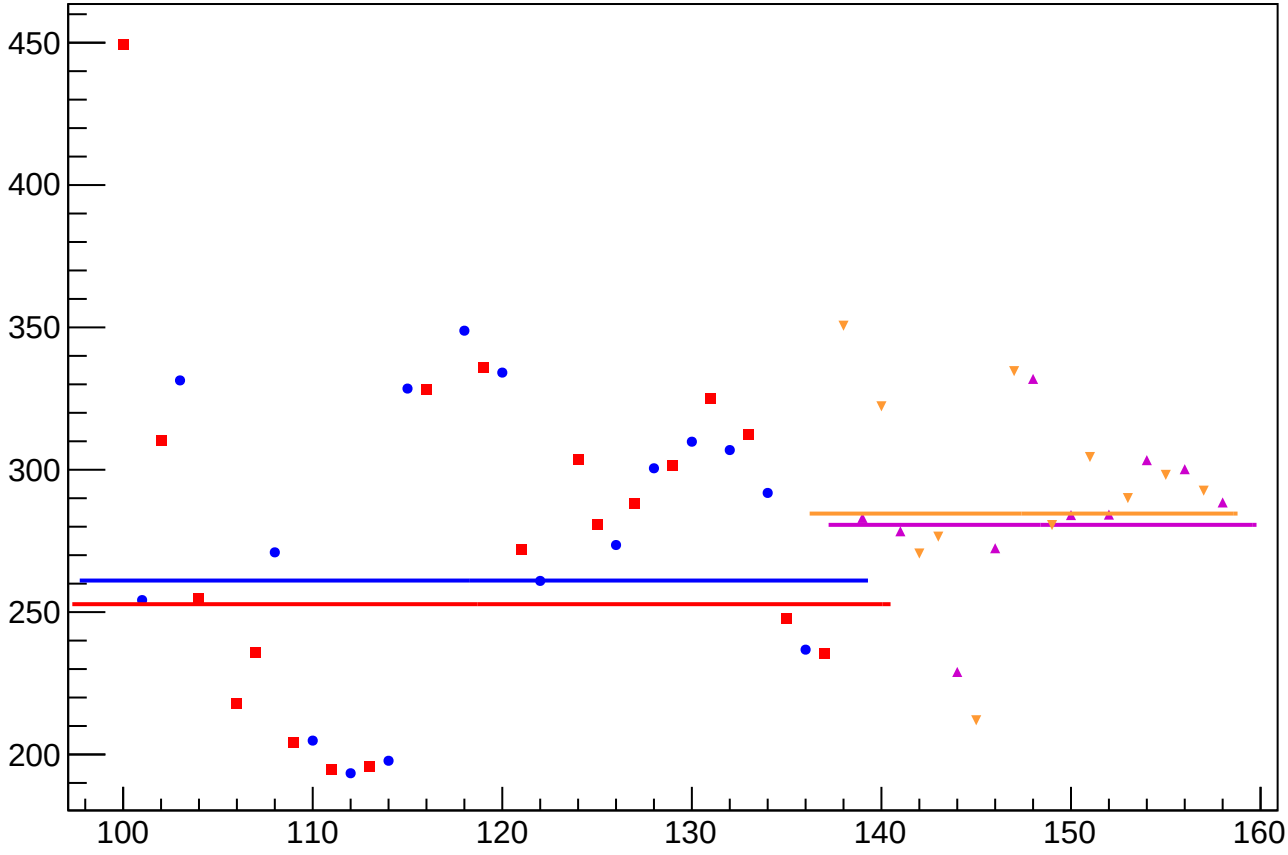
Left In: -290.427+/-96.181 χ^2/NDF:7.8/9

+ sign 136.114+/-69.713 χ^2/NDF: 20.9/26

All: -70.153+/-48.534 χ^2/NDF: 60.8/55

- sign -264.167+/-67.611 χ^2/NDF: 22.9/28

eigen_dit_asym_sam4_rms vs Slug



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 284.607+/-0.069 χ^2/NDF:317018.7/10

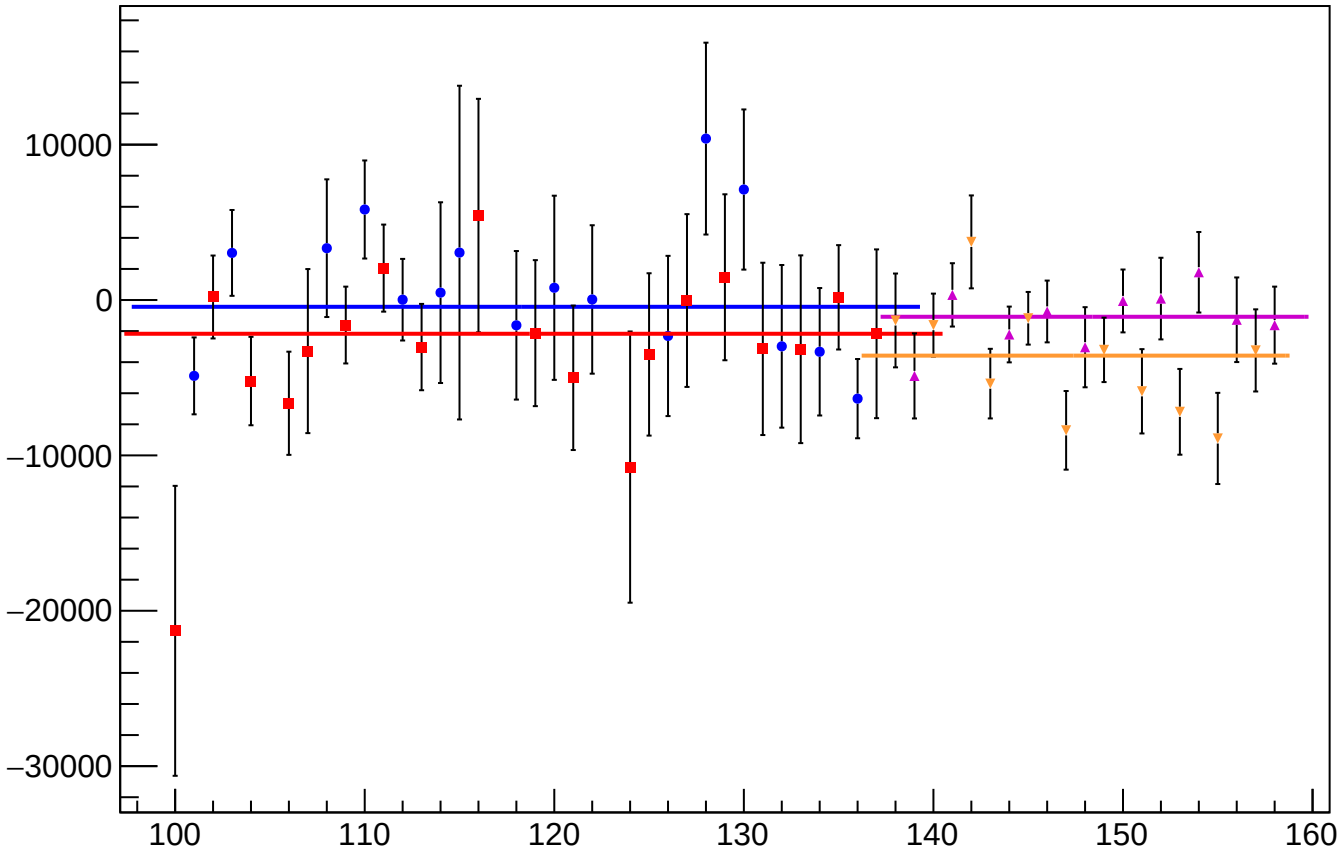
Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

Left In: 280.650+/-0.068 χ^2/NDF:148485.3/9

+ sign 272.999+/-0.049 χ^2/NDF: 836579.3/26

All: 269.679+/-0.034 χ^2/NDF: 1616066.5/55

- sign 266.555+/-0.048 χ^2/NDF: 770682.0/28



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -3578.926+/-720.343 χ^2/NDF:19.5/10

Right Out: -2172.089+/-901.101 χ^2/NDF: 14.0/18

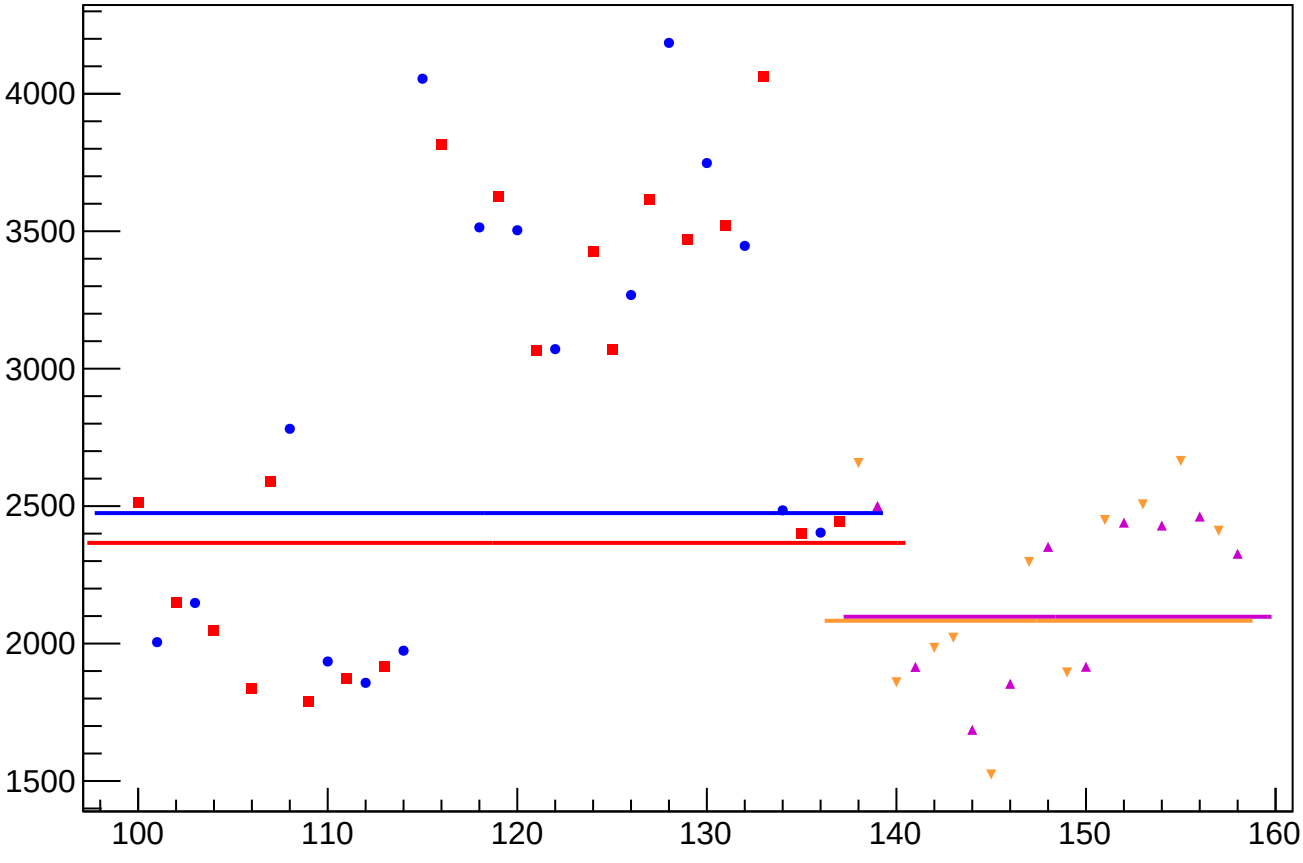
Left In: -1078.400+/-720.964 χ^2/NDF:5.2/9

+ sign -2439.675+/-575.118 χ^2/NDF: 47.6/26

All: -1962.483+/-402.300 χ^2/NDF: 69.0/55

- sign -1505.266+/-562.953 χ^2/NDF: 20.0/28

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 2082.881+/-0.509 χ^2/NDF:541398.8/10

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

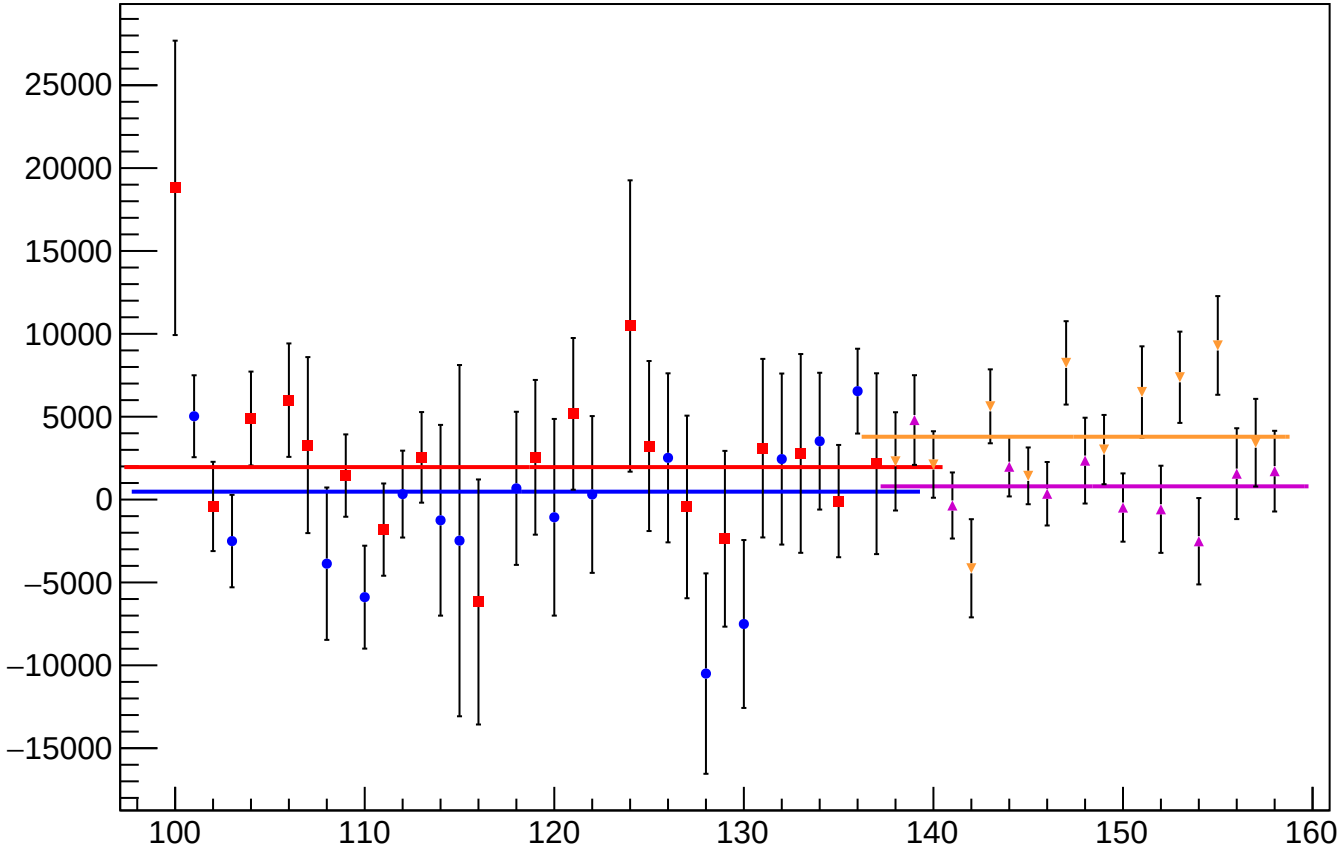
Left In: 2097.472+/-0.510 χ^2/NDF:349858.6/9

+ sign 2224.912+/-0.407 χ^2/NDF: 1672106.3/26

All: 2213.397+/-0.284 χ^2/NDF: 3209177.4/55

- sign 2202.364+/-0.398 χ^2/NDF: 1535501.1/28

asym_sam4_mean vs Slug



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 3791.166+/-720.862 χ^2/NDF:20.1/10

Right Out: 1959.491+/-899.702 χ^2/NDF: 12.8/18

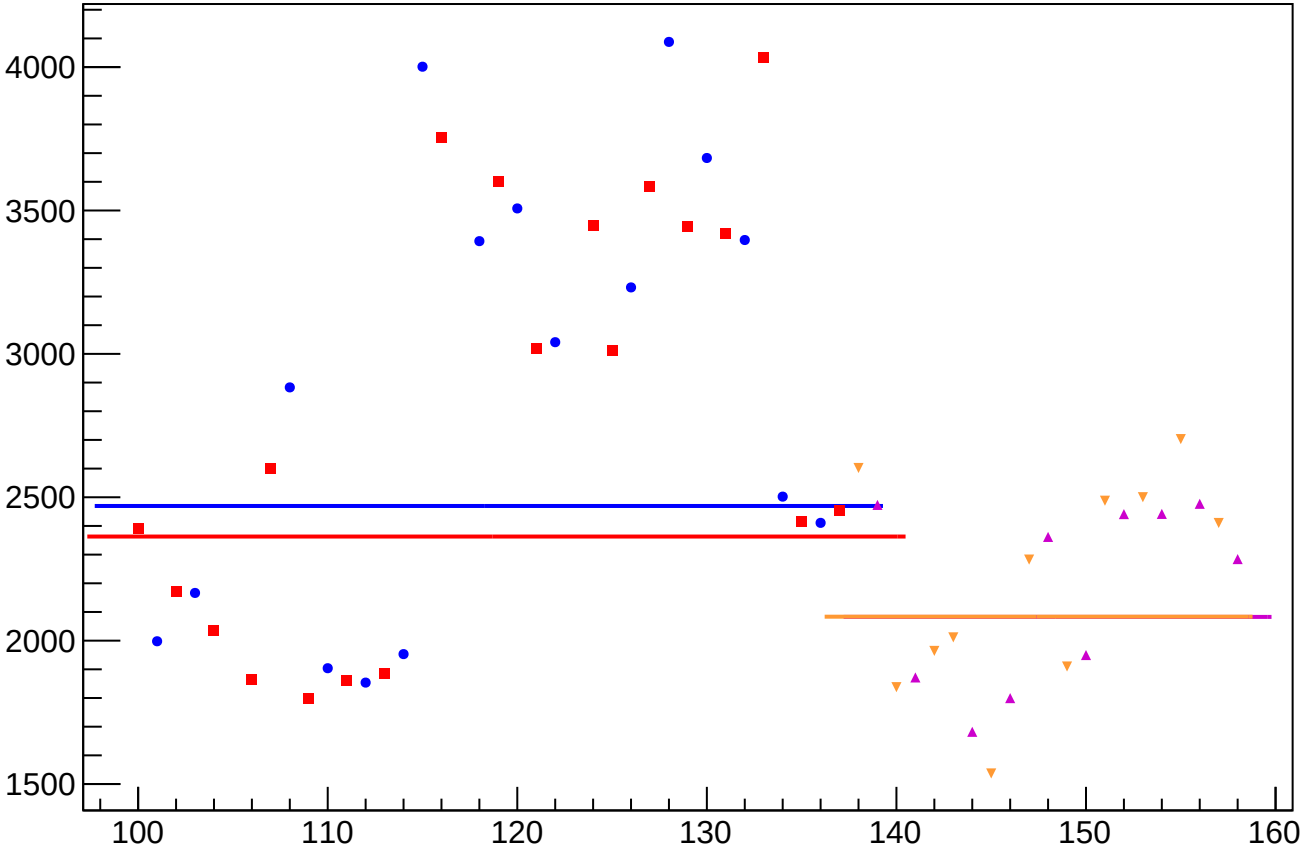
Left In: 798.888+/-715.971 χ^2/NDF:5.9/9

+ sign 2584.736+/-574.861 χ^2/NDF: 49.9/26

All: 1899.598+/-401.215 χ^2/NDF: 72.4/55

- sign 1248.893+/-560.229 χ^2/NDF: 19.7/28

asym_sam4_rms vs Slug



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 2083.554+/-0.510 χ^2/NDF:532536.1/10

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

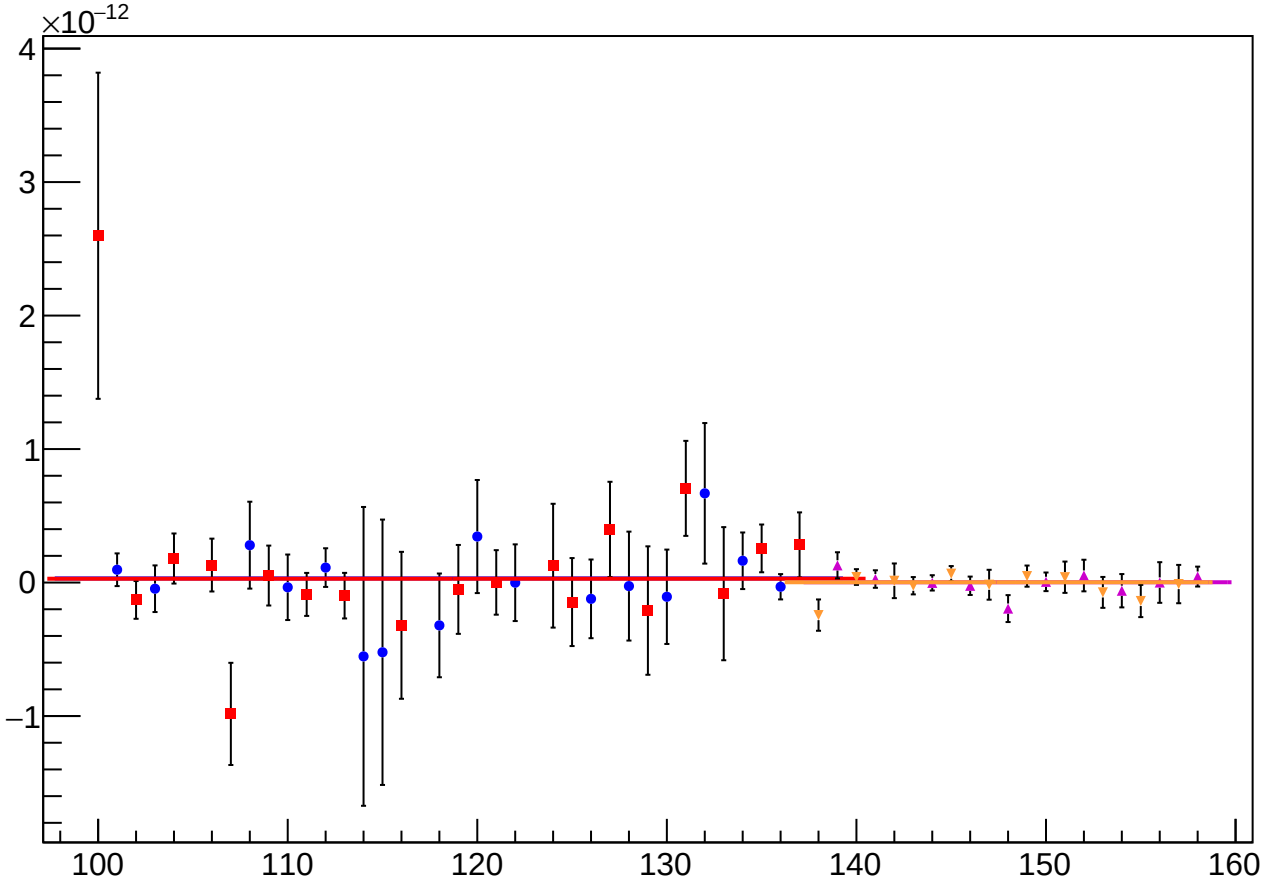
Left In: 2082.786+/-0.506 χ^2/NDF:369628.7/9

+ sign 2224.110+/-0.406 χ^2/NDF: 1627575.7/26

All: 2207.361+/-0.284 χ^2/NDF: 3162685.8/55

- sign 2191.455+/-0.396 χ^2/NDF: 1531800.1/28

asym_sam4_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.5/10

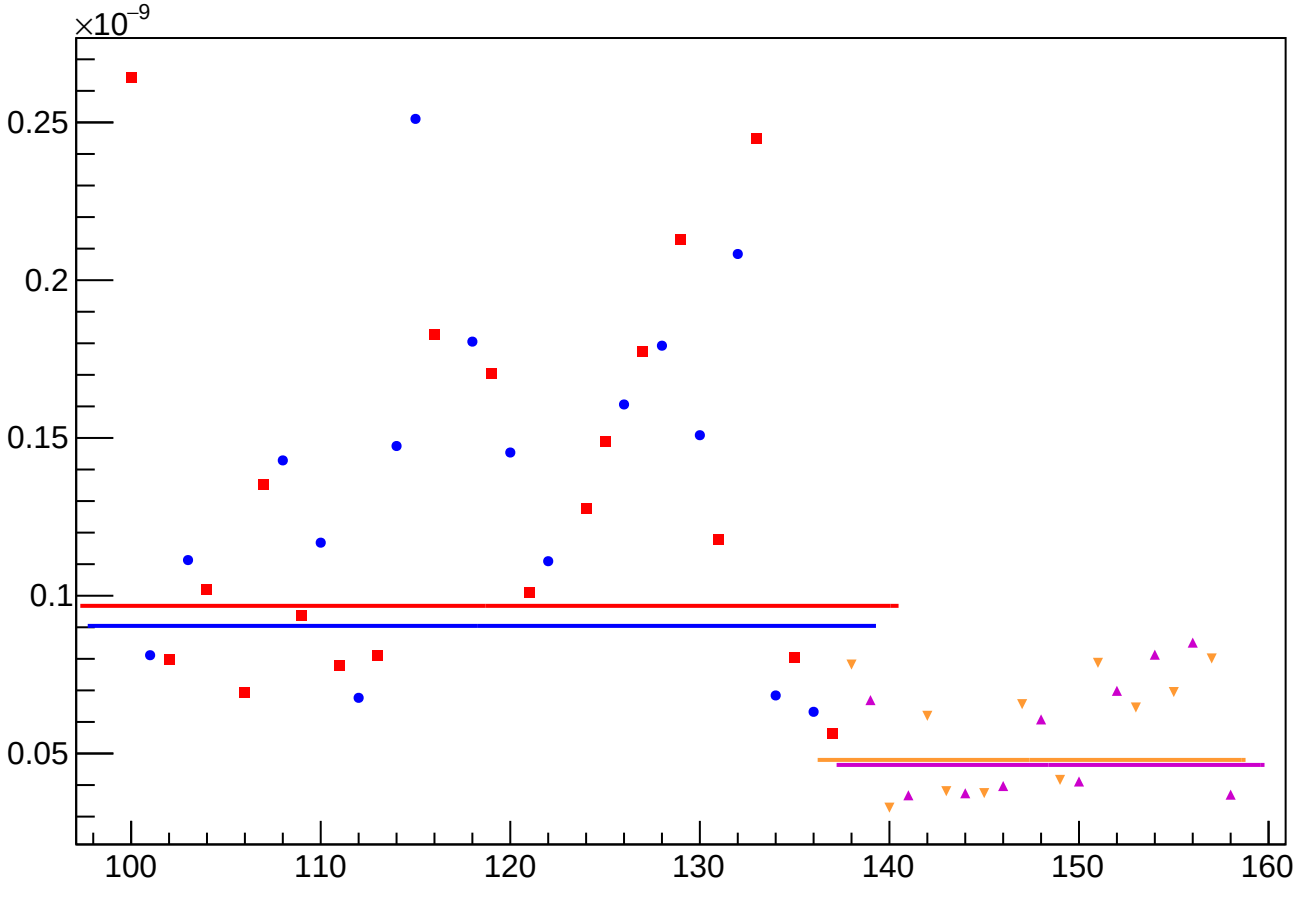
Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:6.5/9

+ sign 0.000+/-0.000 χ^2/NDF: 14.9/26

All: 0.000+/-0.000 χ^2/NDF: 44.8/55

- sign 0.000+/-0.000 χ^2/NDF: 29.9/28



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:807468.7/10

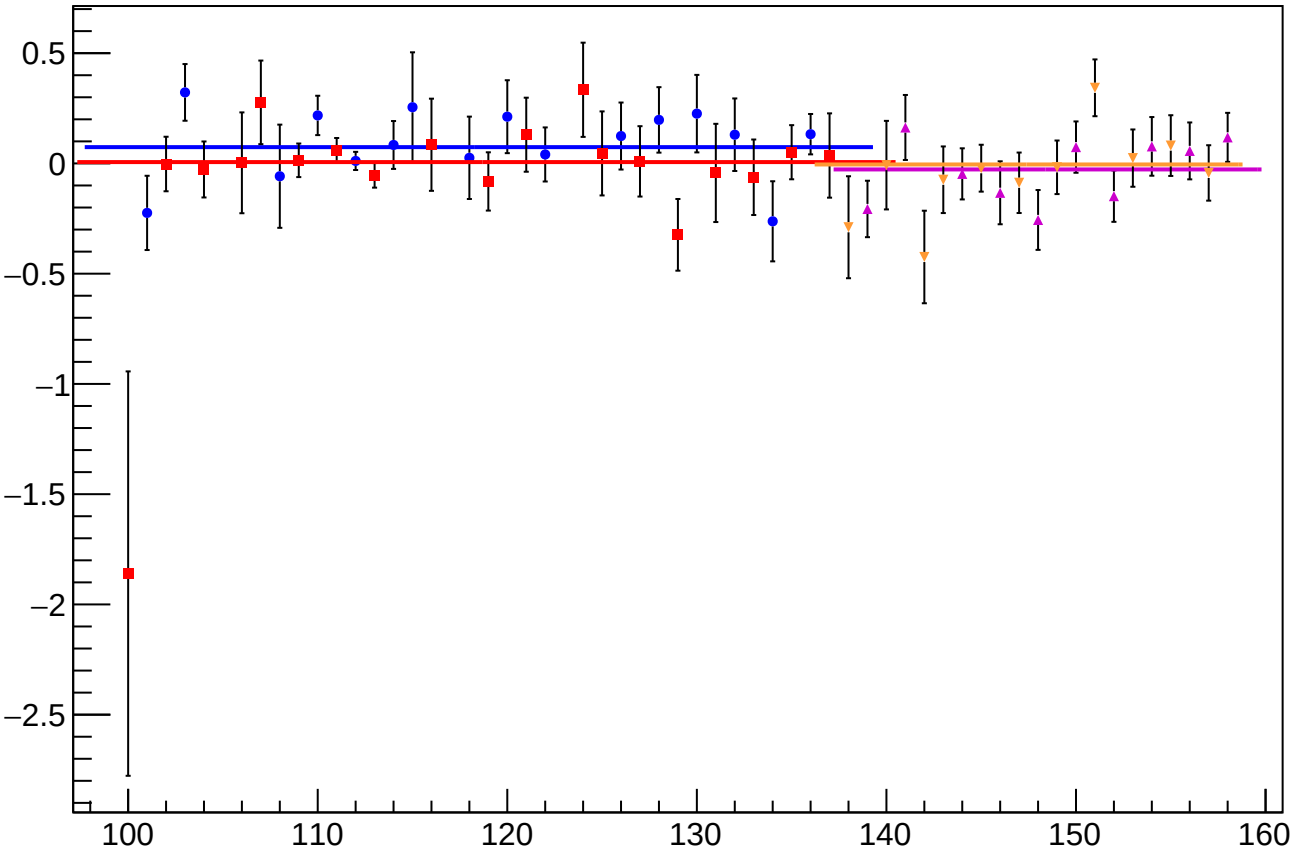
Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

Left In: 0.000+/-0.000 χ^2/NDF:647777.5/9

+ sign 0.000+/-0.000 χ^2/NDF: 2781367.6/26

All: 0.000+/-0.000 χ^2/NDF: 5624547.1/55

- sign 0.000+/-0.000 χ^2/NDF: 2840527.8/28



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.005+/-0.042 χ^2/NDF:13.9/10

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

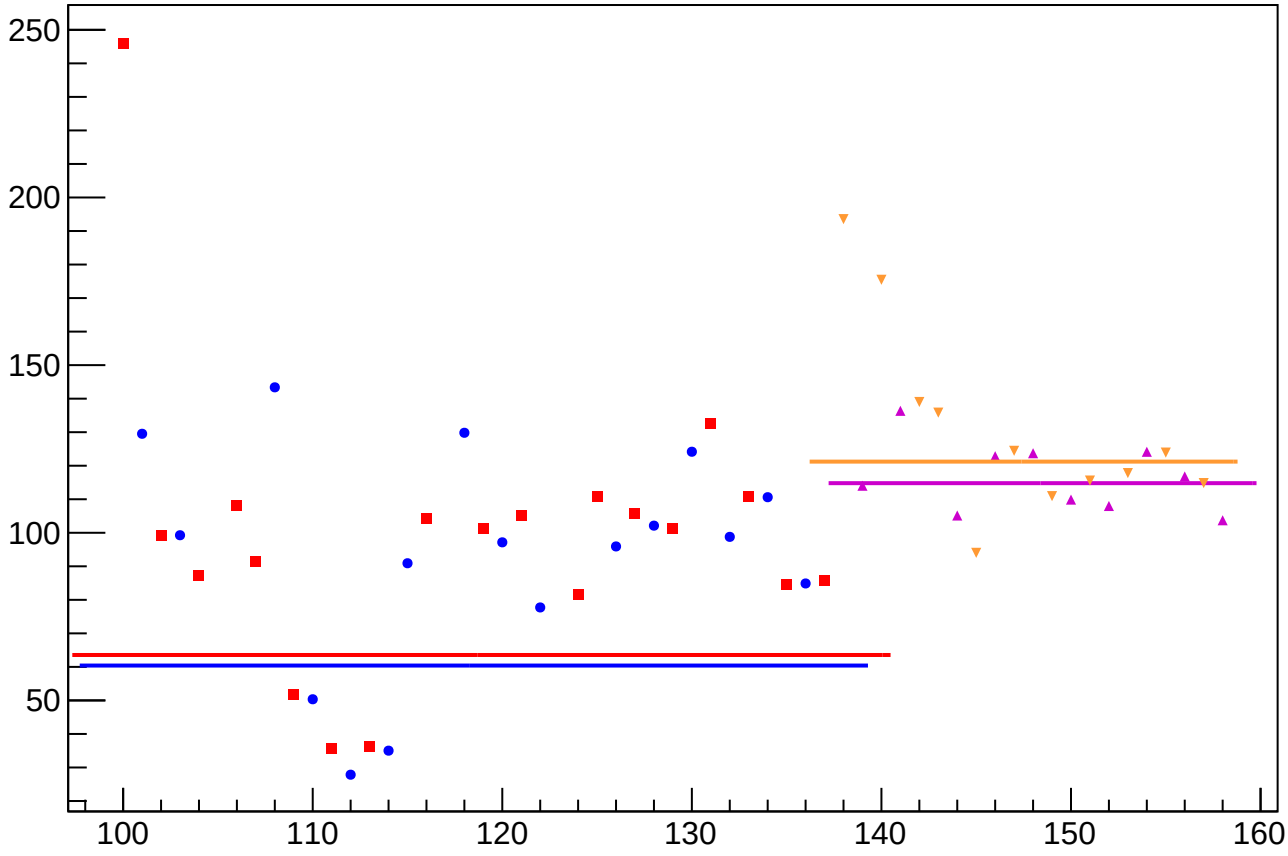
Left In: -0.027+/-0.040 χ^2/NDF:11.6/9

+ sign 0.051+/-0.023 χ^2/NDF: 35.4/26

All: 0.023+/-0.016 χ^2/NDF: 66.9/55

- sign -0.004+/-0.022 χ^2/NDF: 28.5/28

asym_sam4_dit_vs_cor_diff_rms vs Slug



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 121.225+/-0.030 χ^2/NDF:532260.1/10

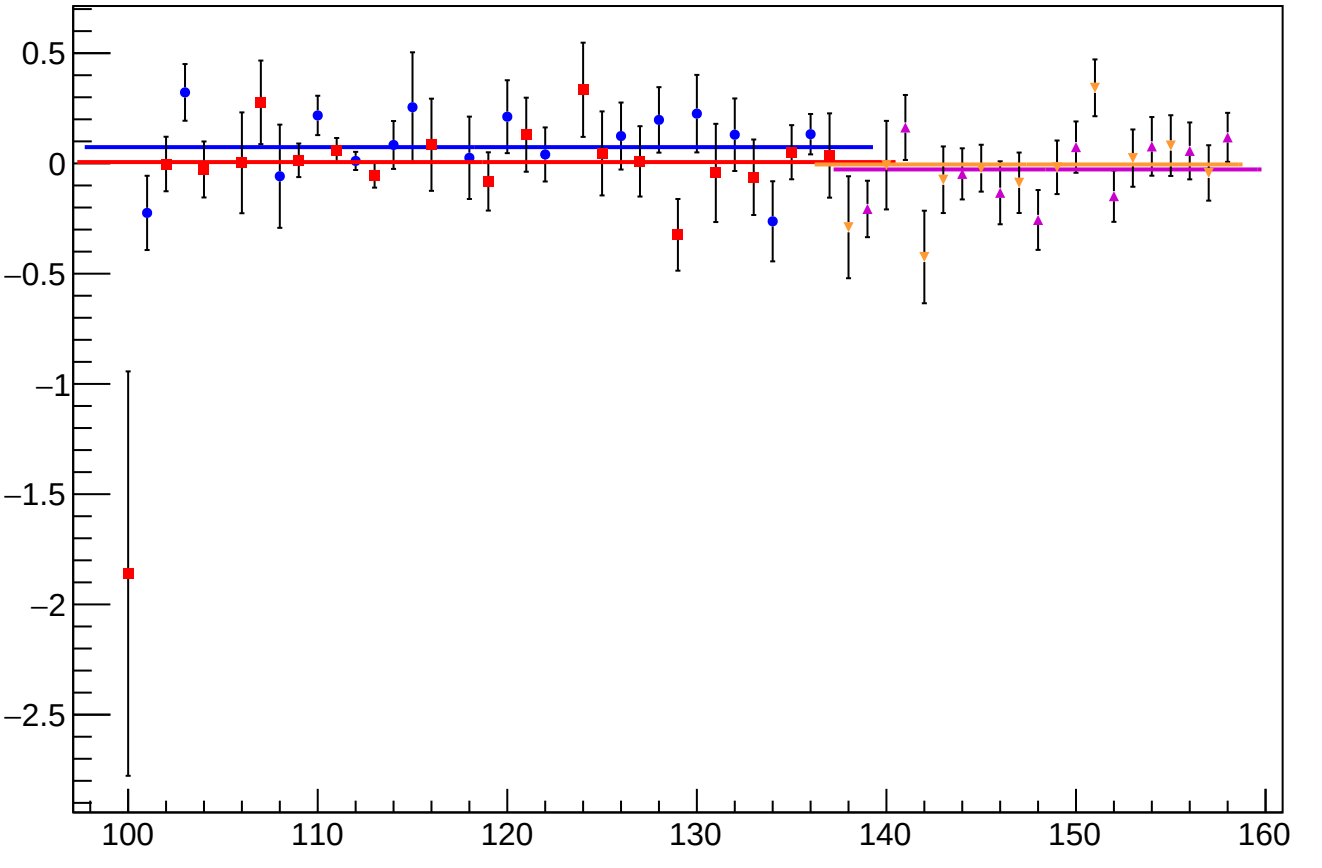
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 114.797+/-0.028 χ^2/NDF:112366.8/9

\+ sign 77.936+/-0.016 χ^2/NDF: 6993817.3/26

All: 78.756+/-0.011 χ^2/NDF: 12041624.4/55

\- sign 79.539+/-0.016 χ^2/NDF: 5042743.3/28



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.005+/-0.042 χ^2/NDF:13.9/10

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

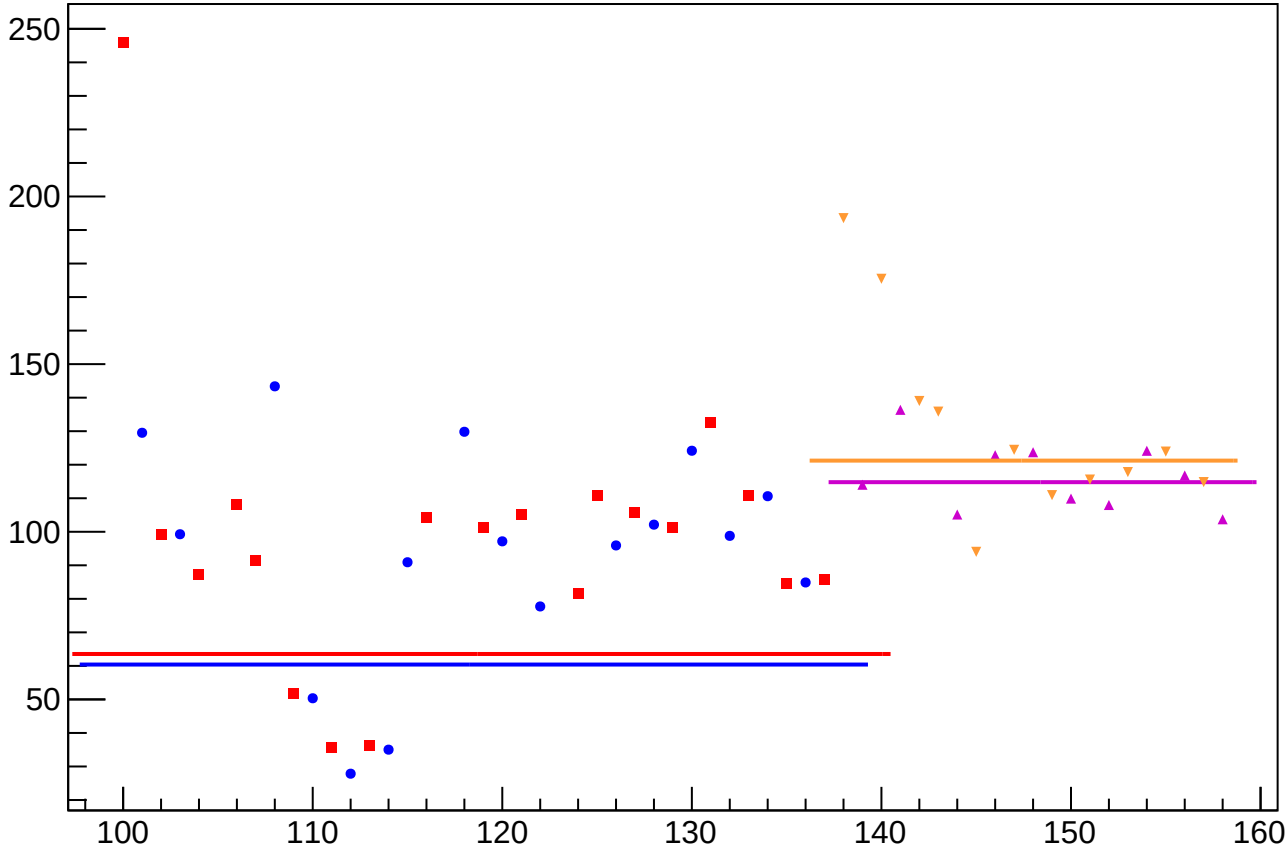
Left In: -0.027+/-0.040 χ^2/NDF:11.6/9

+ sign 0.051+/-0.023 χ^2/NDF: 35.4/26

All: 0.023+/-0.016 χ^2/NDF: 66.9/55

- sign -0.004+/-0.022 χ^2/NDF: 28.5/28

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 121.225+/-0.030 χ^2/NDF:532260.1/10

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

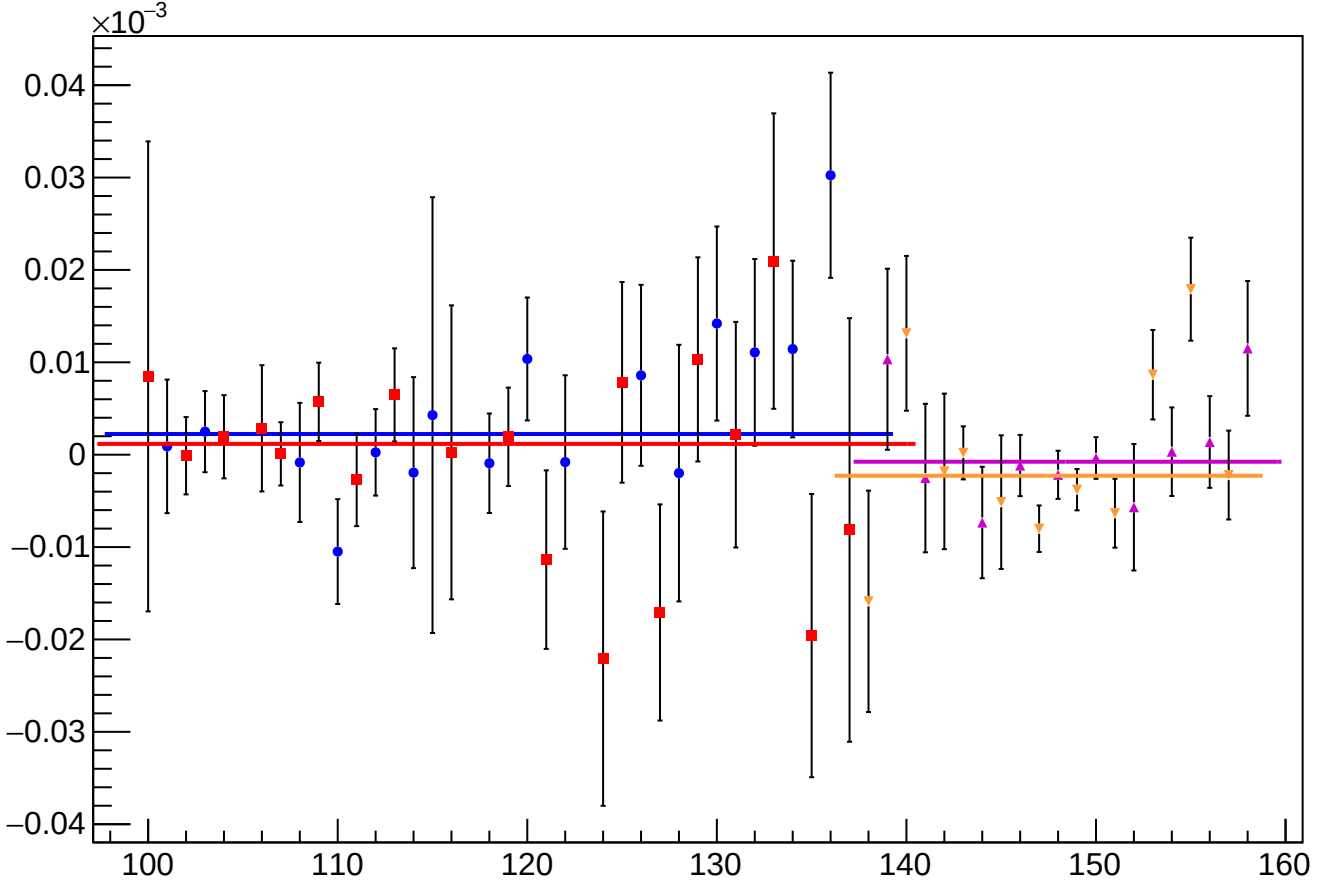
Left In: 114.797+/-0.028 χ^2/NDF:112366.8/9

\+ sign 77.936+/-0.016 χ^2/NDF: 6993817.3/26

All: 78.756+/-0.011 χ^2/NDF: 12041624.4/55

\- sign 79.539+/-0.016 χ^2/NDF: 5042743.3/28

asym_sam4_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 17.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.6/10

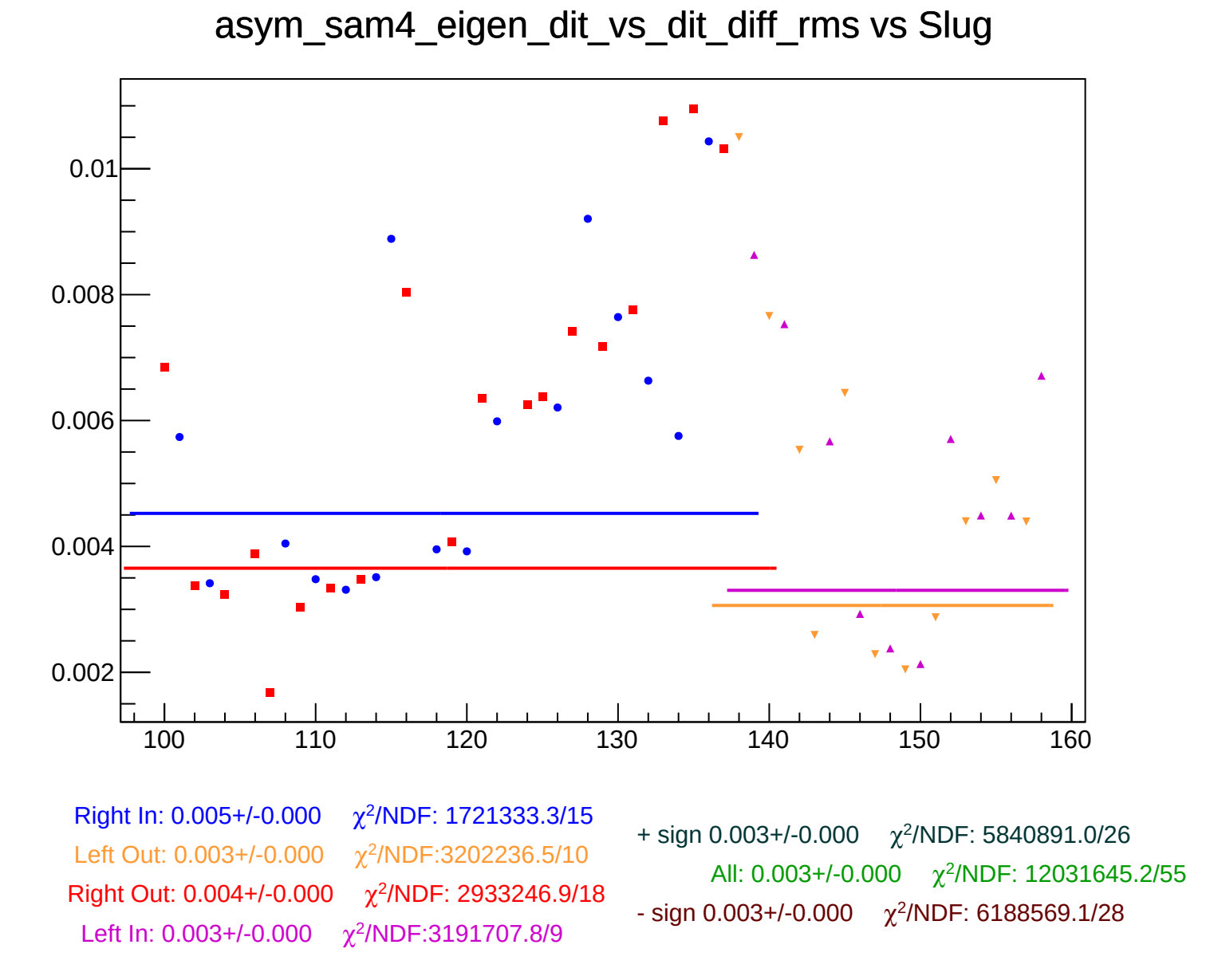
Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

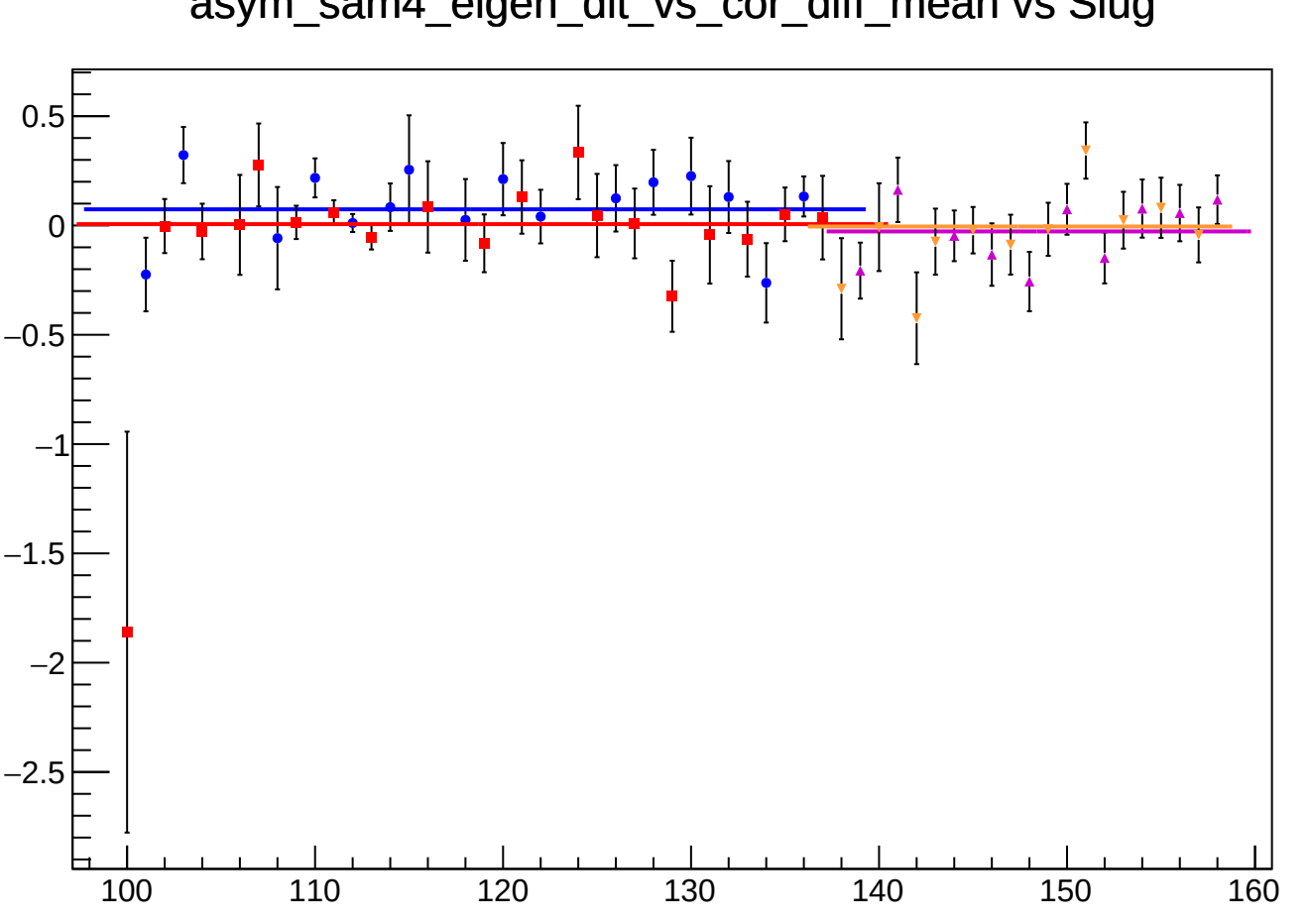
Left In: -0.000+/-0.000 χ^2/NDF:6.4/9

+ sign -0.000+/-0.000 χ^2/NDF: 52.5/26

All: -0.000+/-0.000 χ^2/NDF: 74.5/55

- sign 0.000+/-0.000 χ^2/NDF: 21.5/28


asym_sam4_eigen_dit_vs_dit_diff_rms vs Slug
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
Right In: 0.005+/-0.000 χ²/NDF: 1721333.3/15
Left Out: 0.003+/-0.000 χ²/NDF:3202236.5/10
Right Out: 0.004+/-0.000 χ²/NDF: 2933246.9/18
Left In: 0.003+/-0.000 χ²/NDF:3191707.8/9
+ sign 0.003+/-0.000 χ²/NDF: 5840891.0/26
All: 0.003+/-0.000 χ²/NDF: 12031645.2/55
- sign 0.003+/-0.000 χ²/NDF: 6188569.1/28



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.005+/-0.042 χ^2/NDF:13.9/10

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

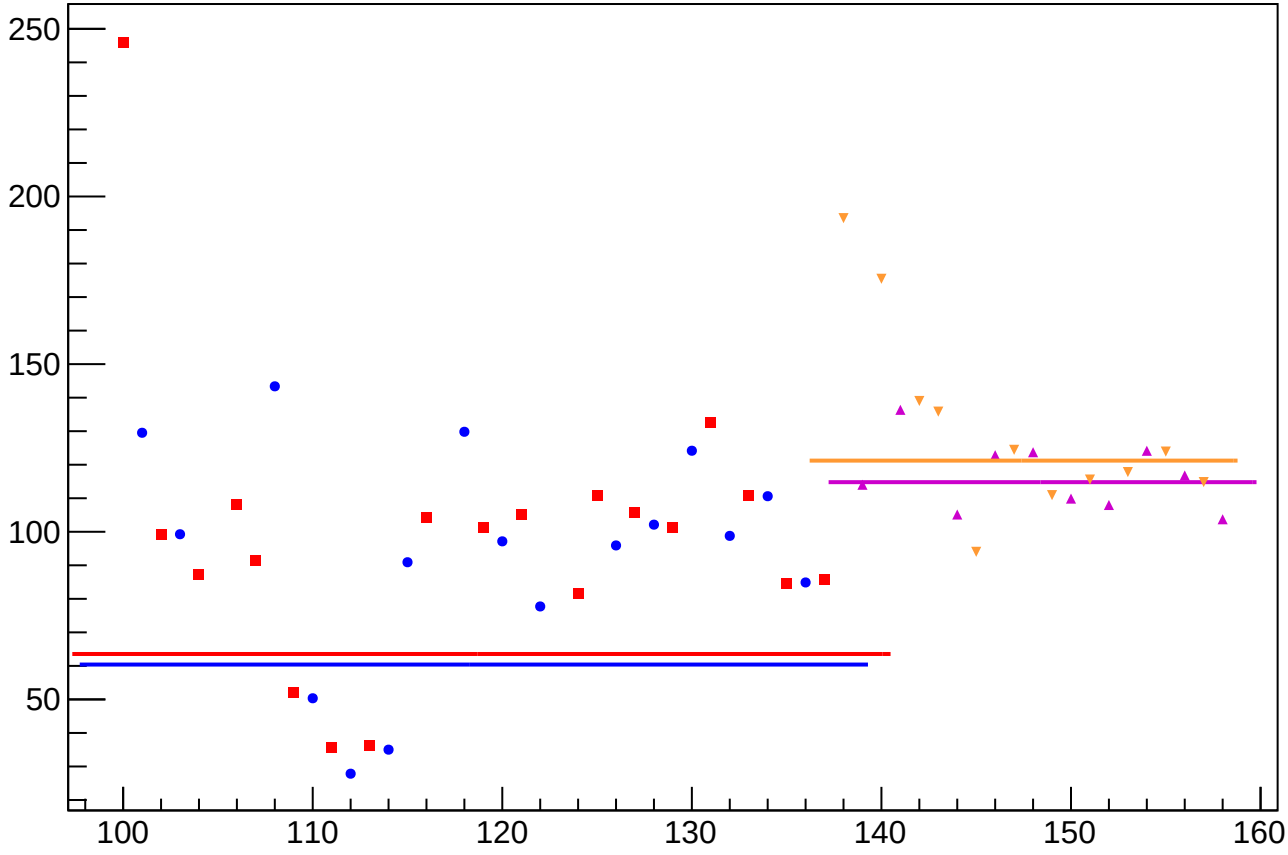
Left In: -0.027+/-0.040 χ^2/NDF:11.7/9

+ sign 0.051+/-0.023 χ^2/NDF: 35.4/26

All: 0.023+/-0.016 χ^2/NDF: 66.9/55

- sign -0.004+/-0.022 χ^2/NDF: 28.5/28

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 121.227+/-0.030 χ^2/NDF:532234.3/10

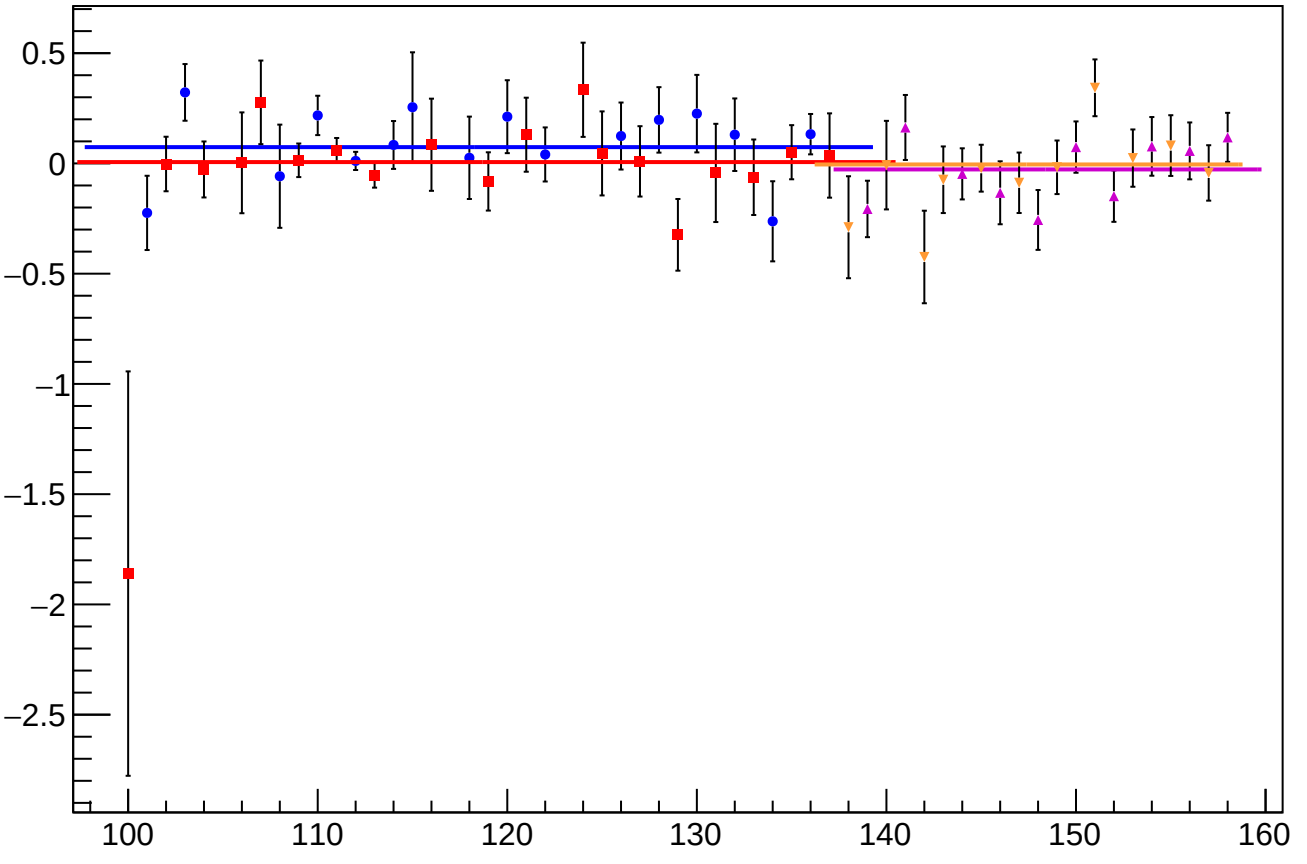
Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 114.798+/-0.028 χ^2/NDF:112365.4/9

\+ sign 77.934+/-0.016 χ^2/NDF: 6994376.1/26

All: 78.754+/-0.011 χ^2/NDF: 12042718.6/55

\- sign 79.537+/-0.016 χ^2/NDF: 5043275.7/28



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.005+/-0.042 χ^2/NDF:13.9/10

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

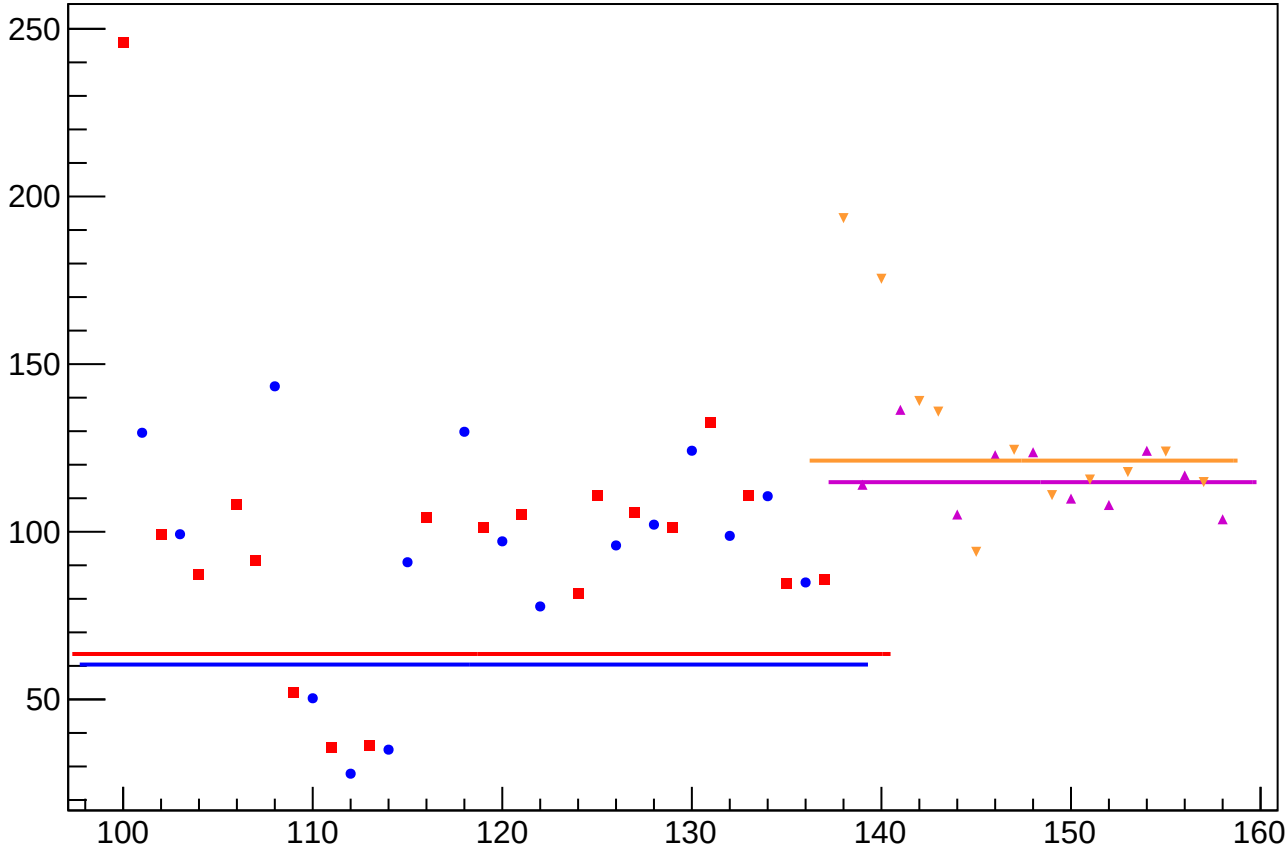
Left In: -0.027+/-0.040 χ^2/NDF:11.7/9

+ sign 0.051+/-0.023 χ^2/NDF: 35.4/26

All: 0.023+/-0.016 χ^2/NDF: 66.9/55

- sign -0.004+/-0.022 χ^2/NDF: 28.5/28

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 121.227+/-0.030 χ^2/NDF:532234.3/10

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

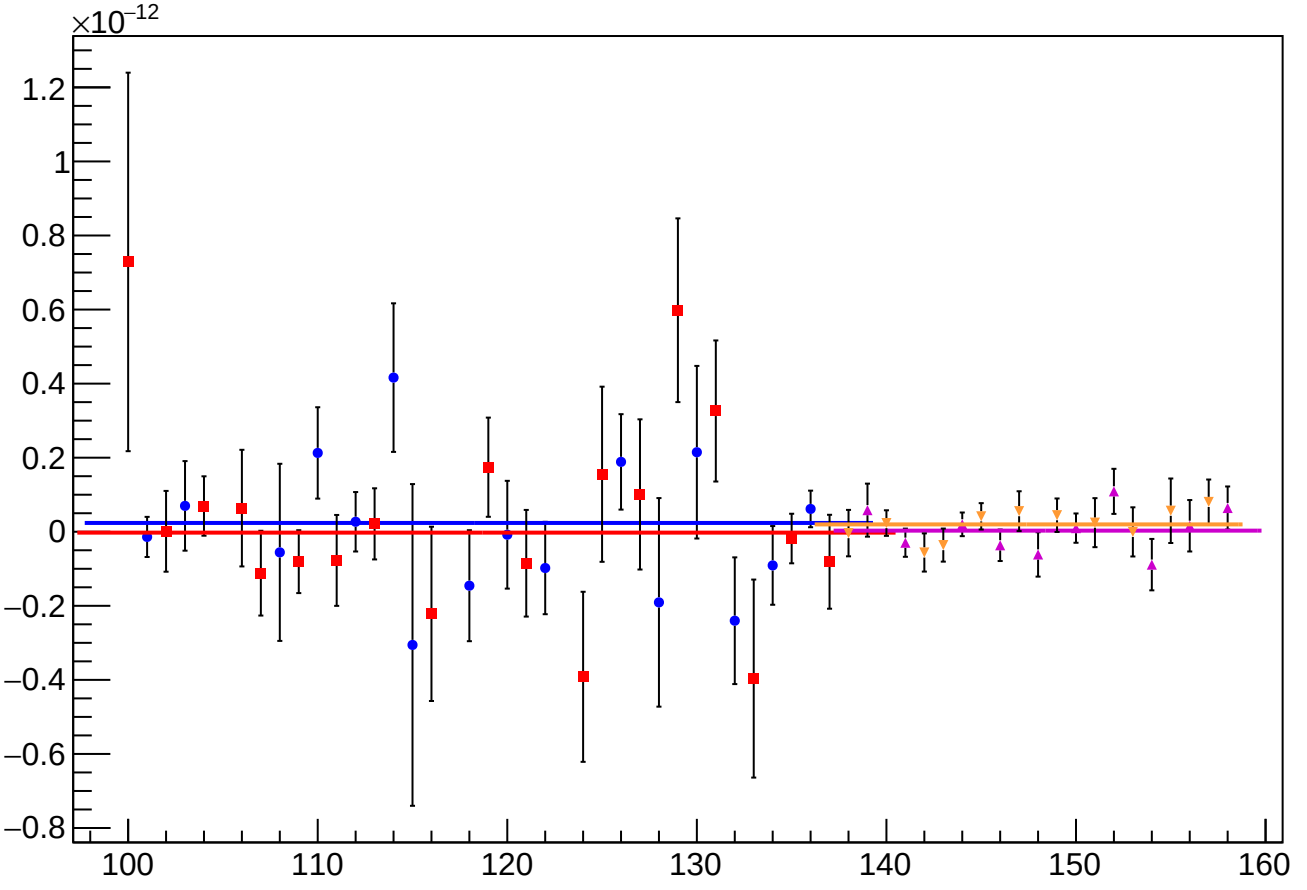
Left In: 114.798+/-0.028 χ^2/NDF:112365.4/9

+ sign 77.934+/-0.016 χ^2/NDF: 6994376.1/26

All: 78.754+/-0.011 χ^2/NDF: 12042718.6/55

- sign 79.537+/-0.016 χ^2/NDF: 5043275.7/28

asym_sam4_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.3/10

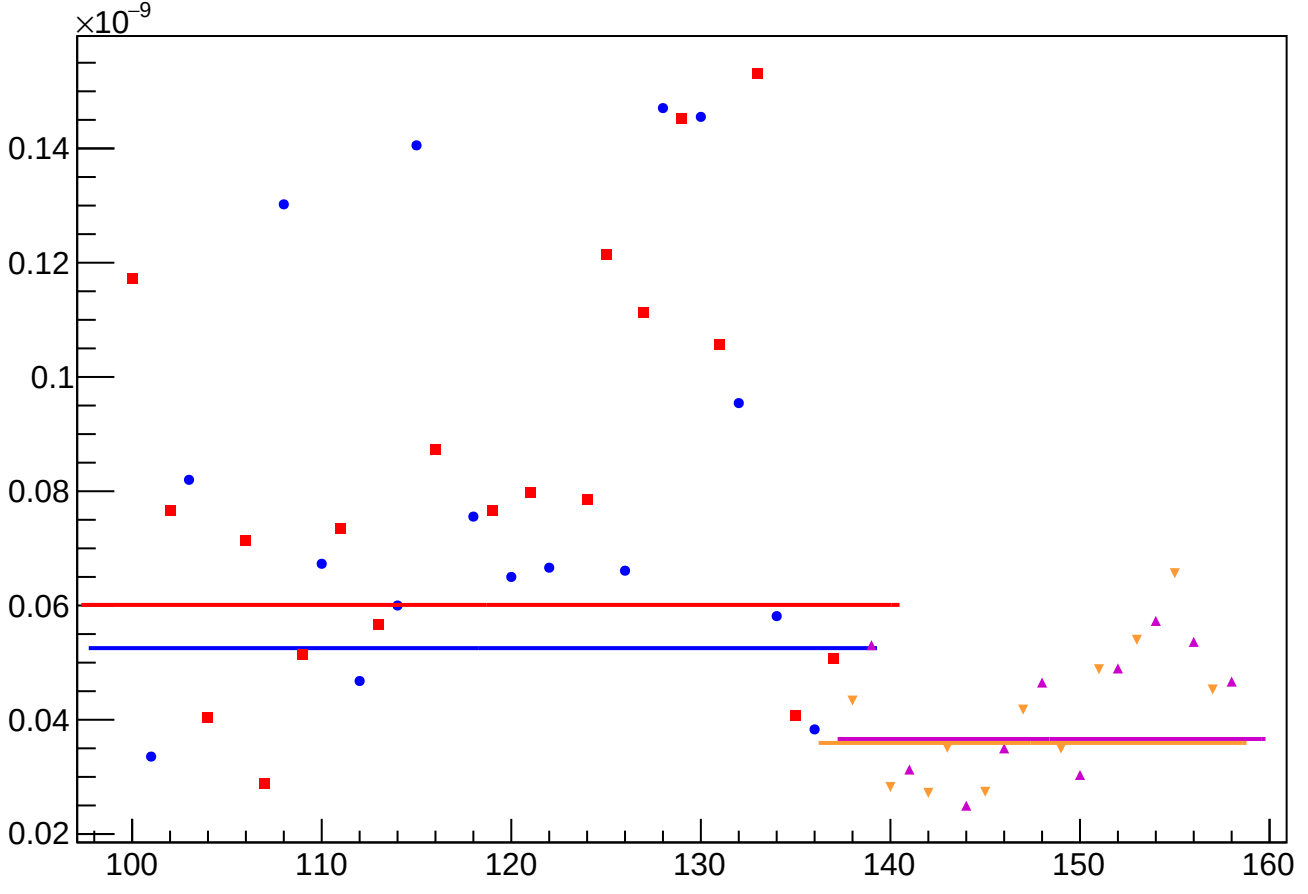
Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:9.6/9

+ sign 0.000+/-0.000 χ^2/NDF: 23.1/26

All: 0.000+/-0.000 χ^2/NDF: 56.9/55

- sign 0.000+/-0.000 χ^2/NDF: 32.8/28



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:829841.7/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

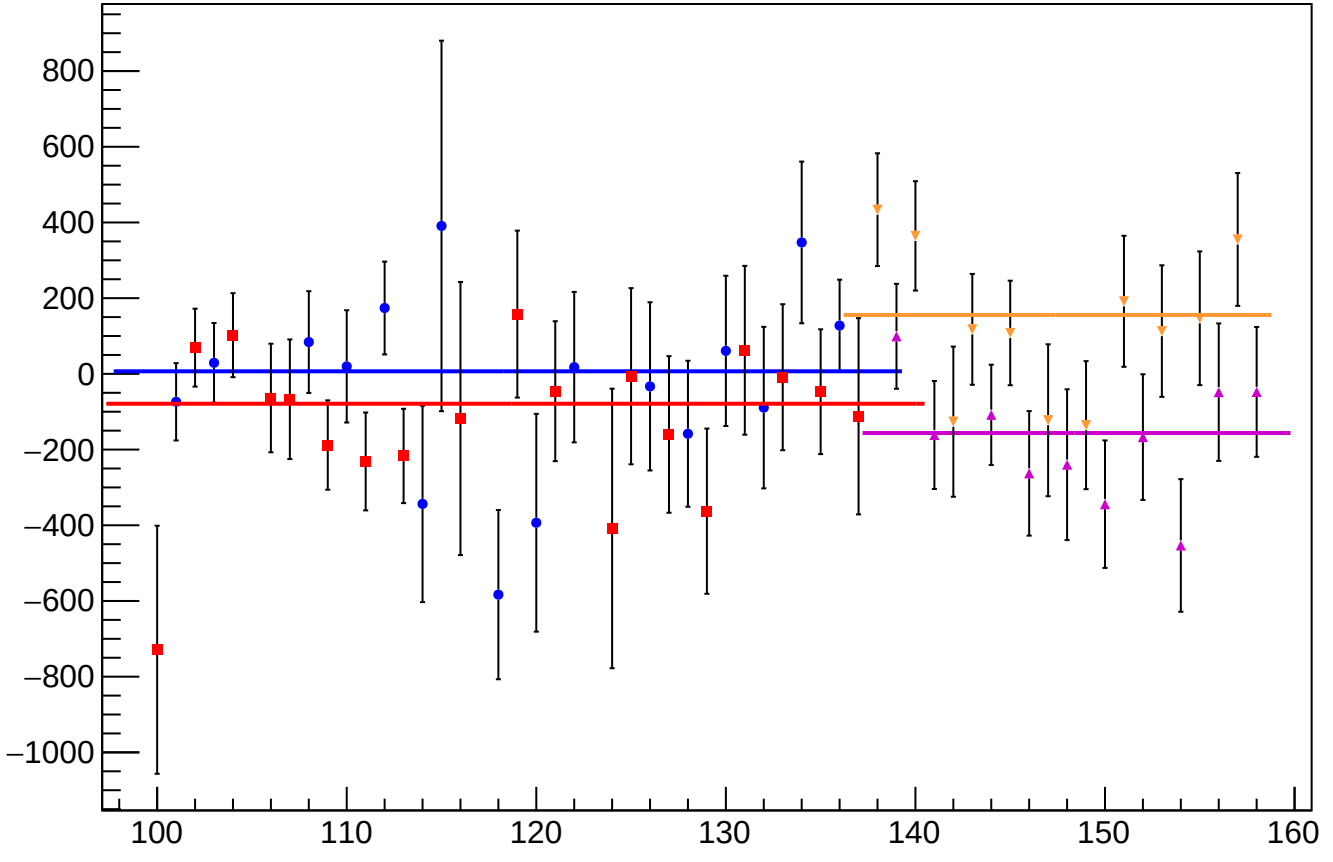
Left In: 0.000+/-0.000 χ^2/NDF:959393.3/9

+ sign 0.000+/-0.000 χ^2/NDF: 3083736.1/26

All: 0.000+/-0.000 χ^2/NDF: 6632764.5/55

- sign 0.000+/-0.000 χ^2/NDF: 3532478.9/28

reg_asym_sam5_mean vs Slug



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 155.681+/-49.493 χ^2/NDF:14.1/10

Right Out: -78.883+/-37.906 χ^2/NDF: 16.7/18

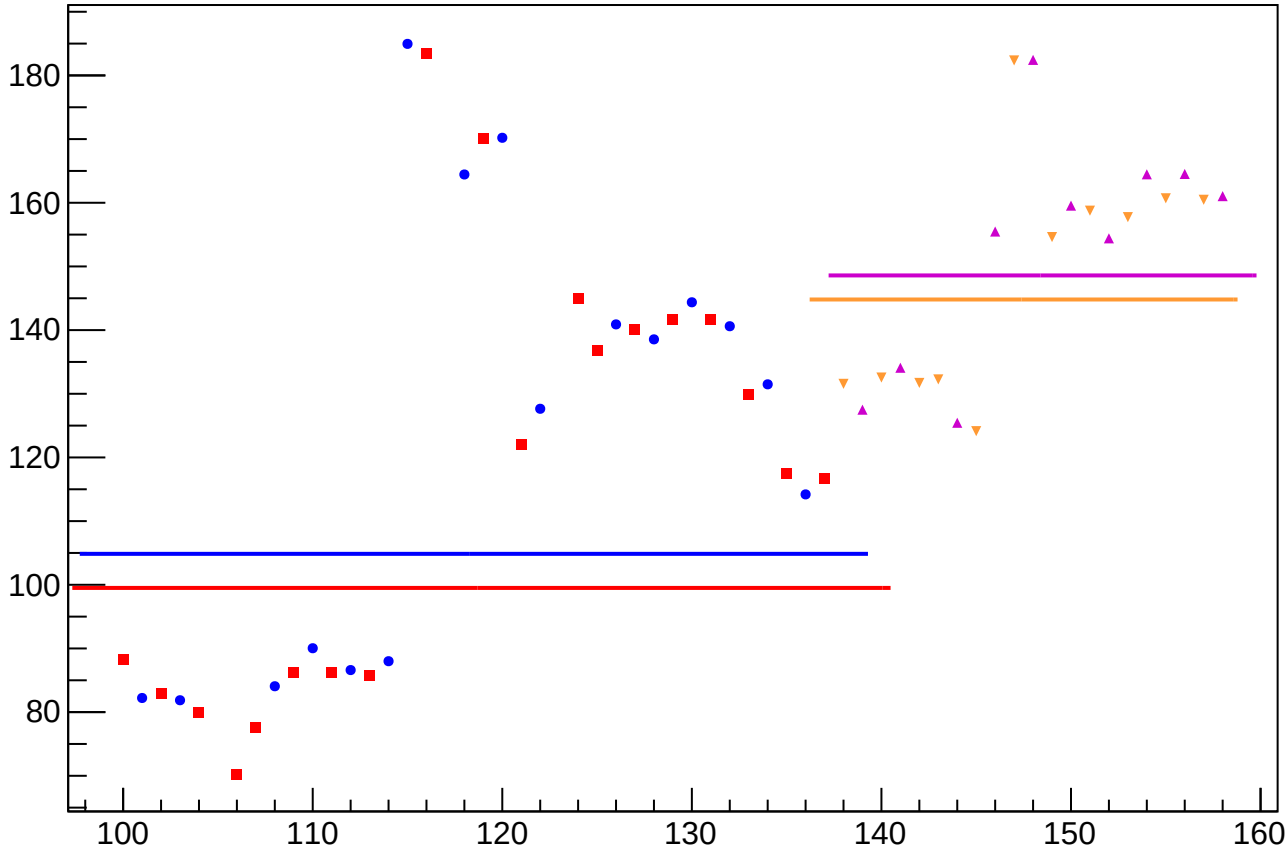
Left In: -156.265+/-50.711 χ^2/NDF:9.0/9

+ sign 66.256+/-31.275 χ^2/NDF: 38.3/26

All: -22.745+/-21.785 χ^2/NDF: 81.2/55

- sign -106.621+/-30.361 χ^2/NDF: 27.2/28

reg_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 144.808+/-0.035 χ^2/NDF:231400.6/10

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

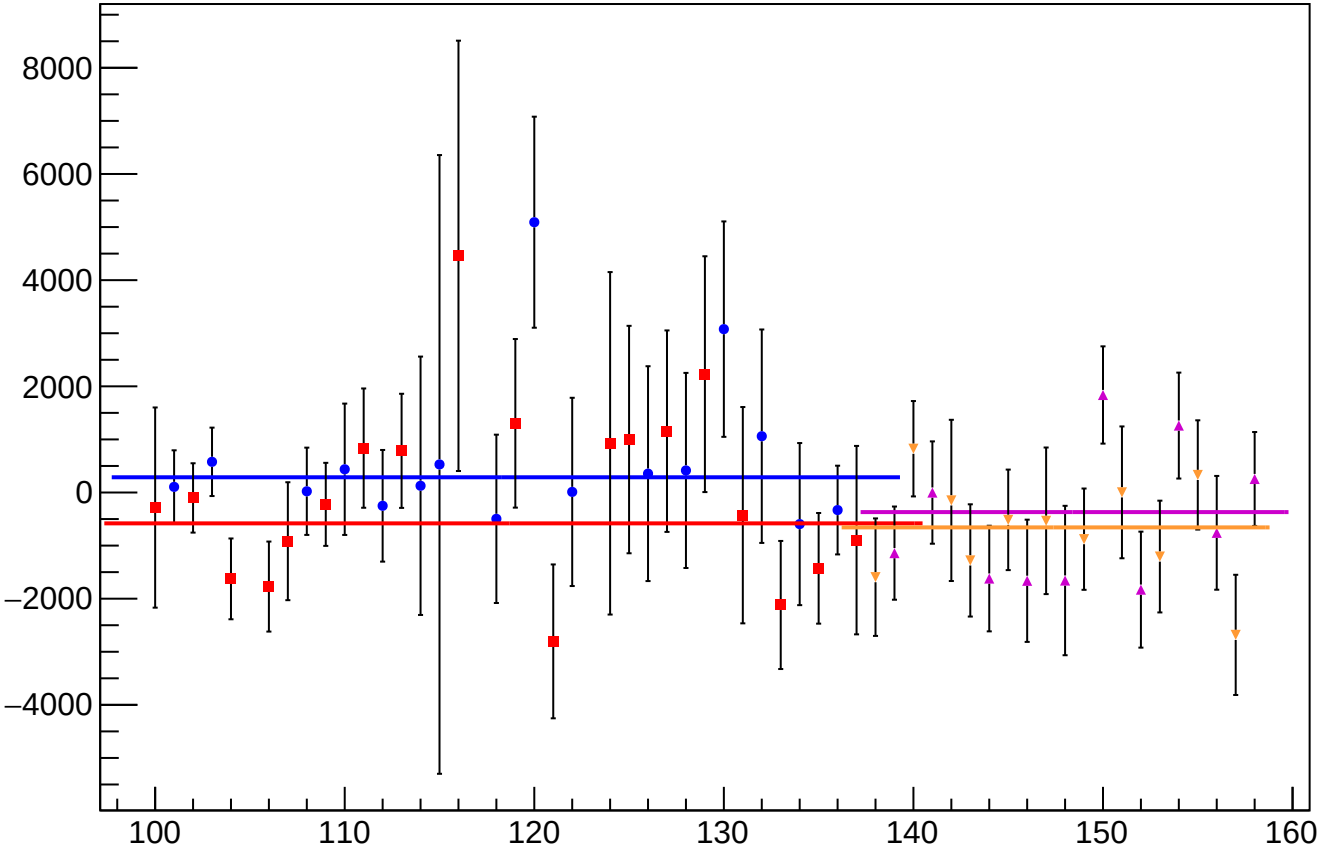
Left In: 148.588+/-0.036 χ^2/NDF:242630.7/9

+ sign 120.812+/-0.022 χ^2/NDF: 1945323.1/26

All: 118.901+/-0.015 χ^2/NDF: 4443369.1/55

- sign 117.101+/-0.021 χ^2/NDF: 2483549.7/28

asym_sam5_reg_correction_mean vs Slug



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -657.145+/-326.187 χ^2/NDF:8.7/10

Right Out: -581.217+/-269.775 χ^2/NDF: 18.8/18

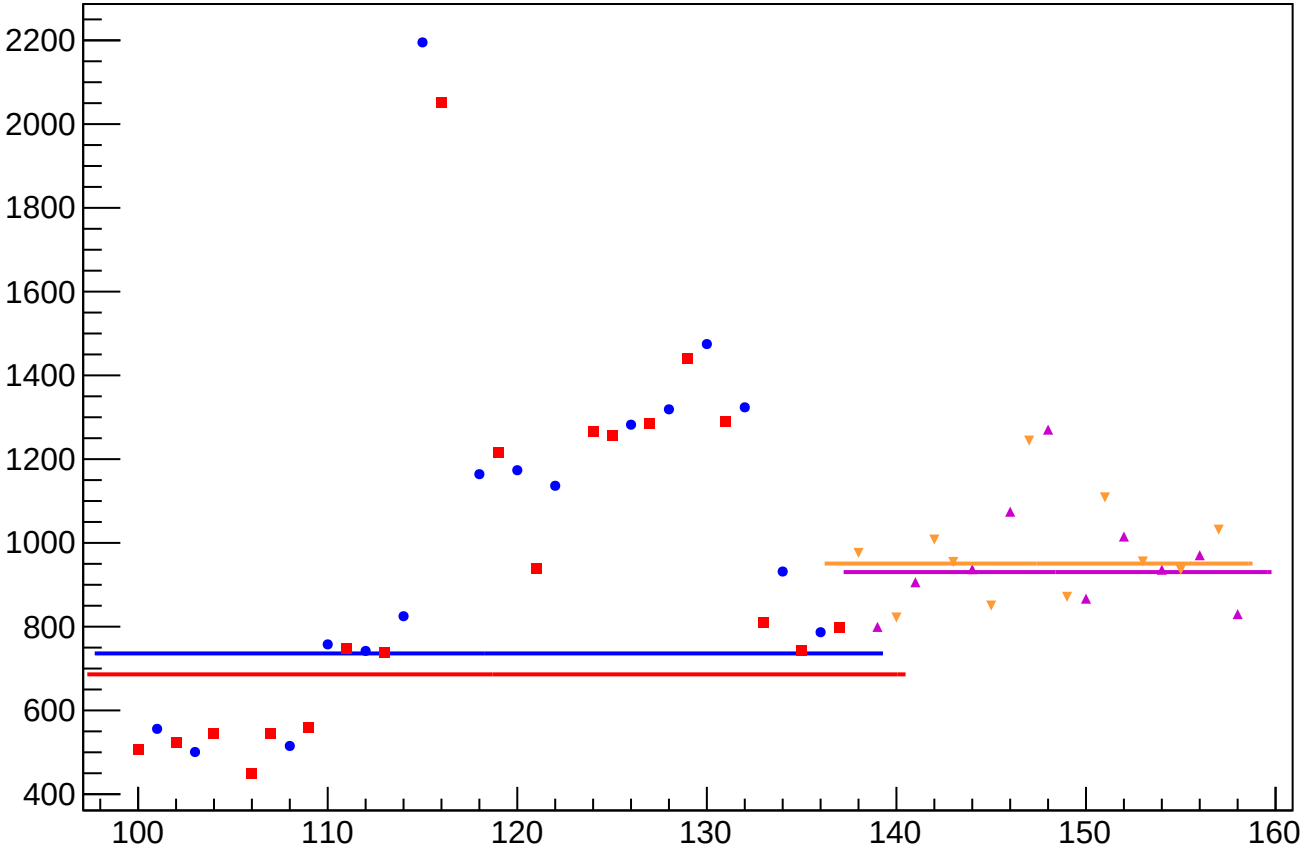
Left In: -368.970+/-318.996 χ^2/NDF:15.5/9

\+ sign -135.414+/-218.169 χ^2/NDF: 23.0/26

All: -324.316+/-149.777 χ^2/NDF: 58.9/55

\- sign -492.714+/-205.989 χ^2/NDF: 34.5/28

asym_sam5_reg_correction_rms vs Slug



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 950.651+/-0.231 χ^2/NDF:214826.9/10

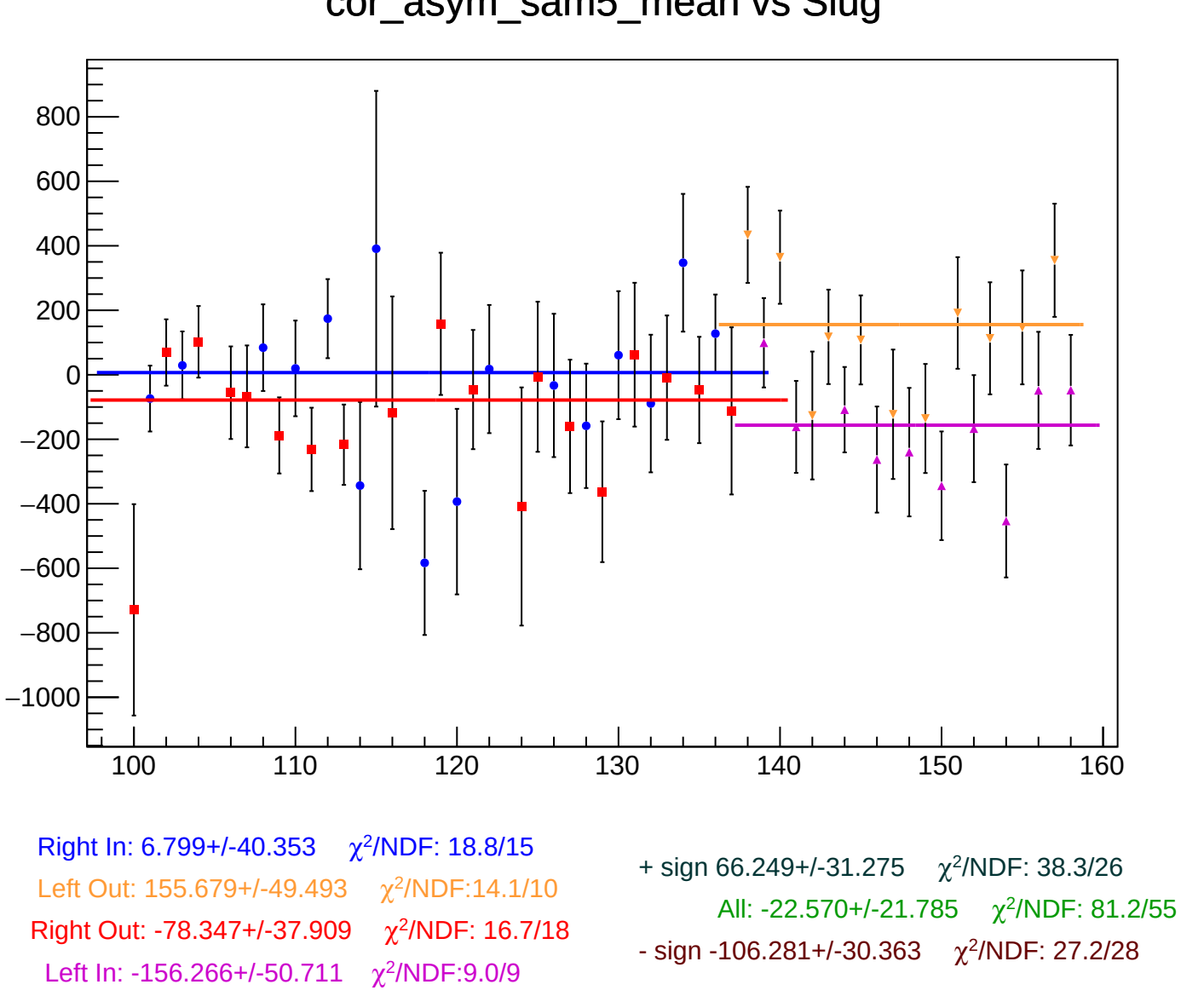
Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

Left In: 930.337+/-0.226 χ^2/NDF:244312.0/9

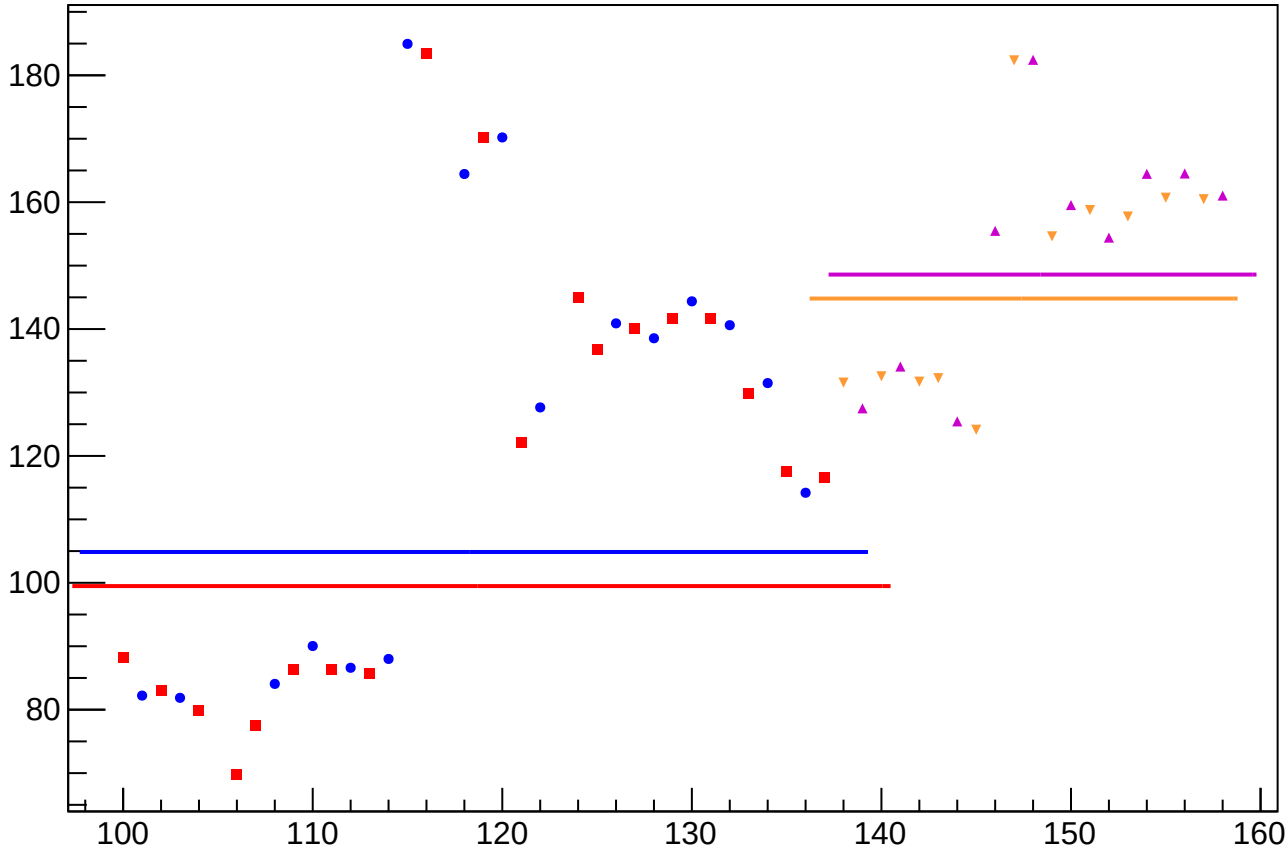
\+ sign 832.072+/-0.154 χ^2/NDF: 2537590.9/26

All: 808.743+/-0.106 χ^2/NDF: 5327830.3/55

\- sign 787.947+/-0.146 χ^2/NDF: 2746987.2/28


cor_asym_sam5_mean vs Slug
800
600
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
160
Right In: 6.799+/-40.353 χ²/NDF: 18.8/15
Left Out: 155.679+/-49.493 χ²/NDF:14.1/10
Right Out: -78.347+/-37.909 χ²/NDF: 16.7/18
Left In: -156.266+/-50.711 χ²/NDF:9.0/9
+ sign 66.249+/-31.275 χ²/NDF: 38.3/26
All: -22.570+/-21.785 χ²/NDF: 81.2/55
- sign -106.281+/-30.363 χ²/NDF: 27.2/28

cor_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 144.808+/-0.035 χ^2/NDF:231400.6/10

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

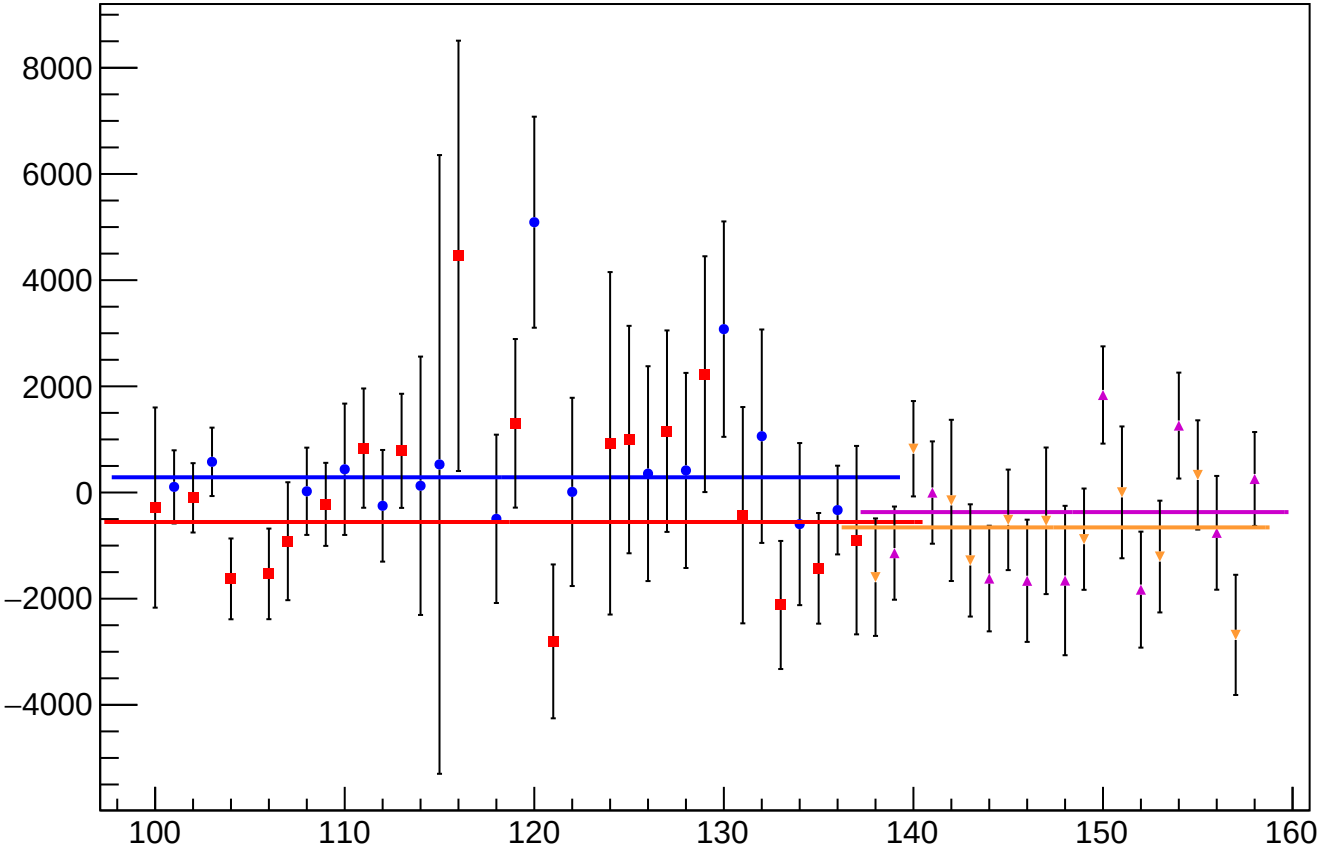
Left In: 148.588+/-0.036 χ^2/NDF:242630.7/9

+ sign 120.812+/-0.022 χ^2/NDF: 1945321.7/26

All: 118.894+/-0.015 χ^2/NDF: 4446770.6/55

- sign 117.087+/-0.021 χ^2/NDF: 2486845.7/28

asym_sam5_cor_correction_mean vs Slug



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -657.142+/-326.187 χ^2/NDF:8.7/10

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

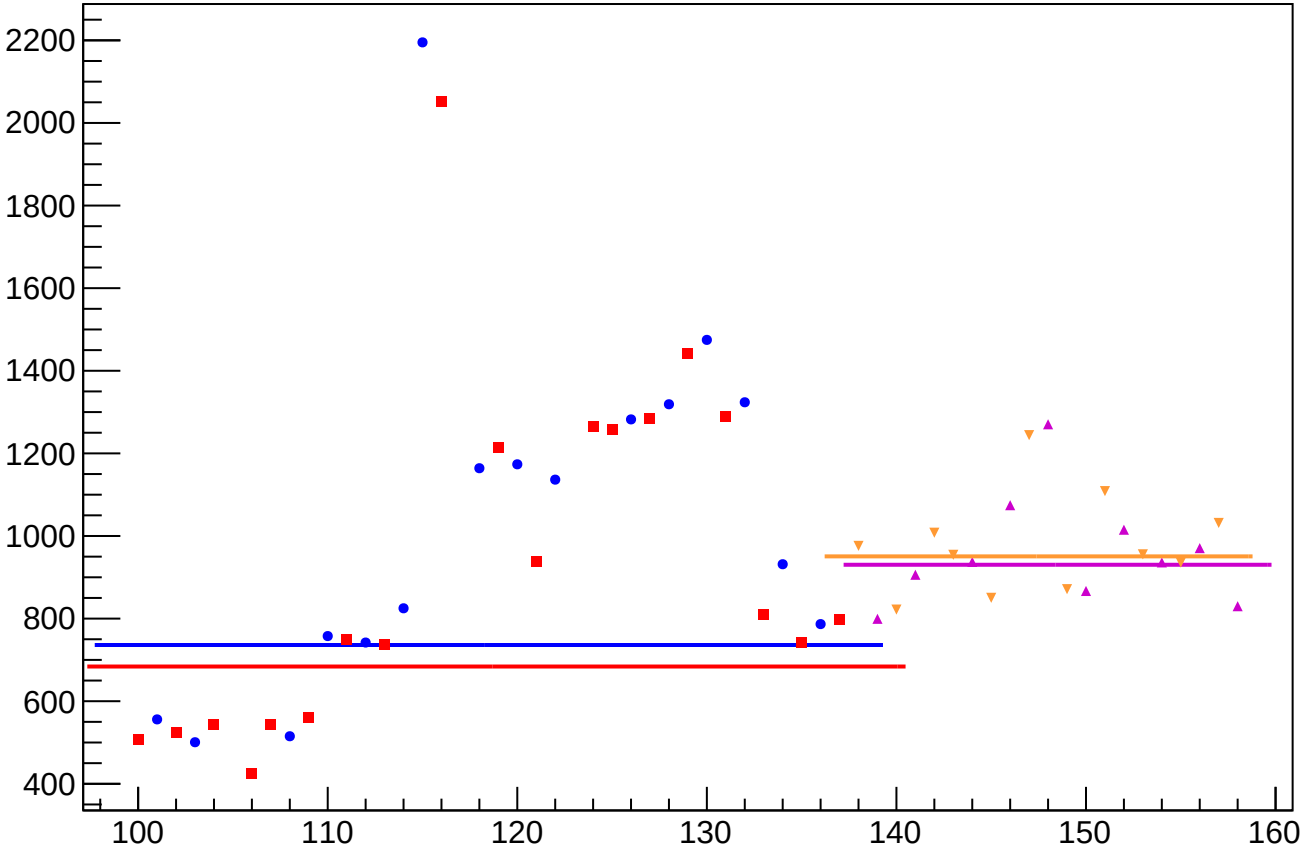
Left In: -368.967+/-318.996 χ^2/NDF:15.5/9

\+ sign -135.411+/-218.169 χ^2/NDF: 23.0/26

All: -316.270+/-149.807 χ^2/NDF: 58.0/55

\- sign -477.622+/-206.068 χ^2/NDF: 33.7/28

asym_sam5_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 950.652+/-0.231 χ^2/NDF:214826.9/10

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

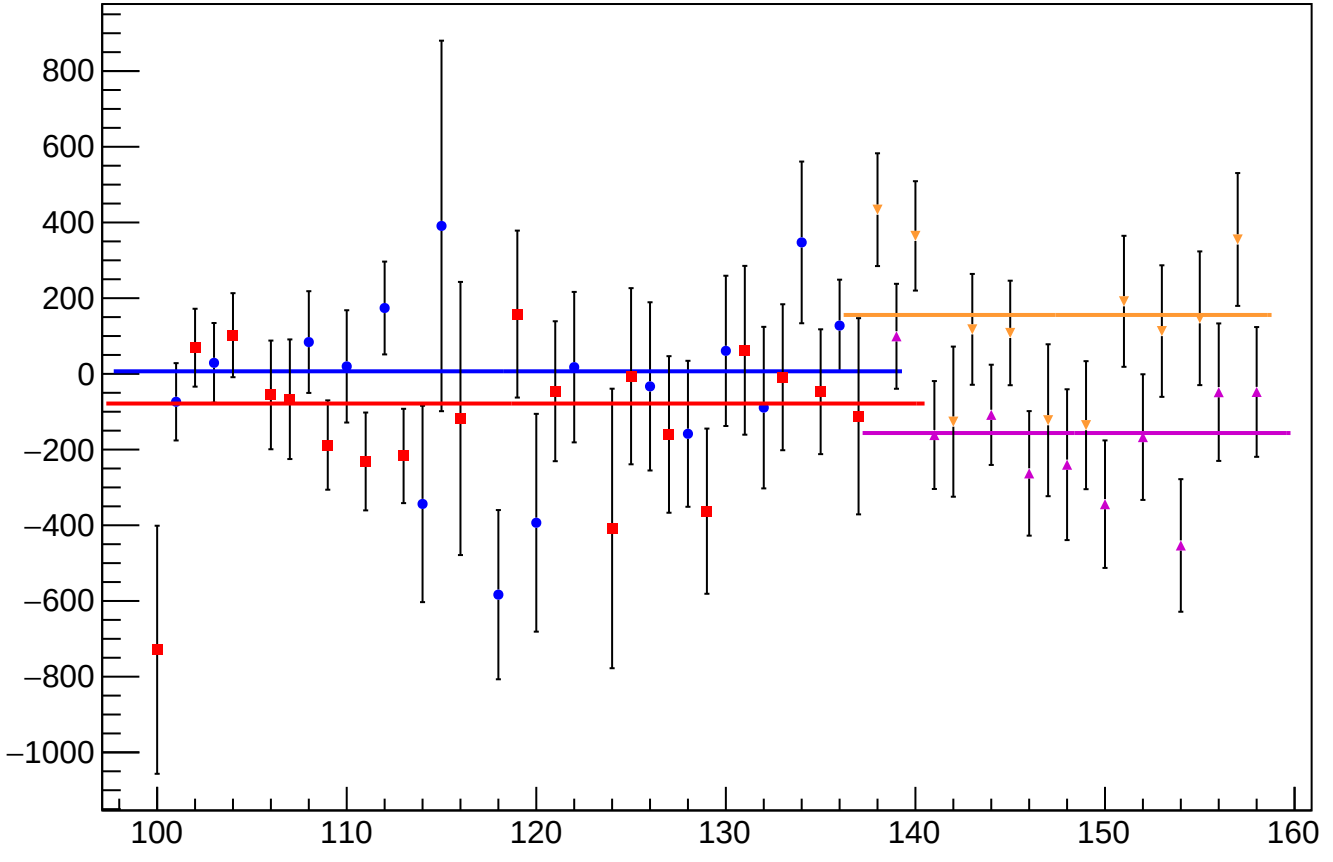
Left In: 930.338+/-0.226 χ^2/NDF:244311.5/9

+ sign 832.071+/-0.154 χ^2/NDF: 2537597.1/26

All: 808.138+/-0.106 χ^2/NDF: 5372929.3/55

- sign 786.786+/-0.146 χ^2/NDF: 2789790.6/28

eigen_cor_asym_sam5_mean vs Slug



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 155.679+/-49.493 χ^2/NDF:14.1/10

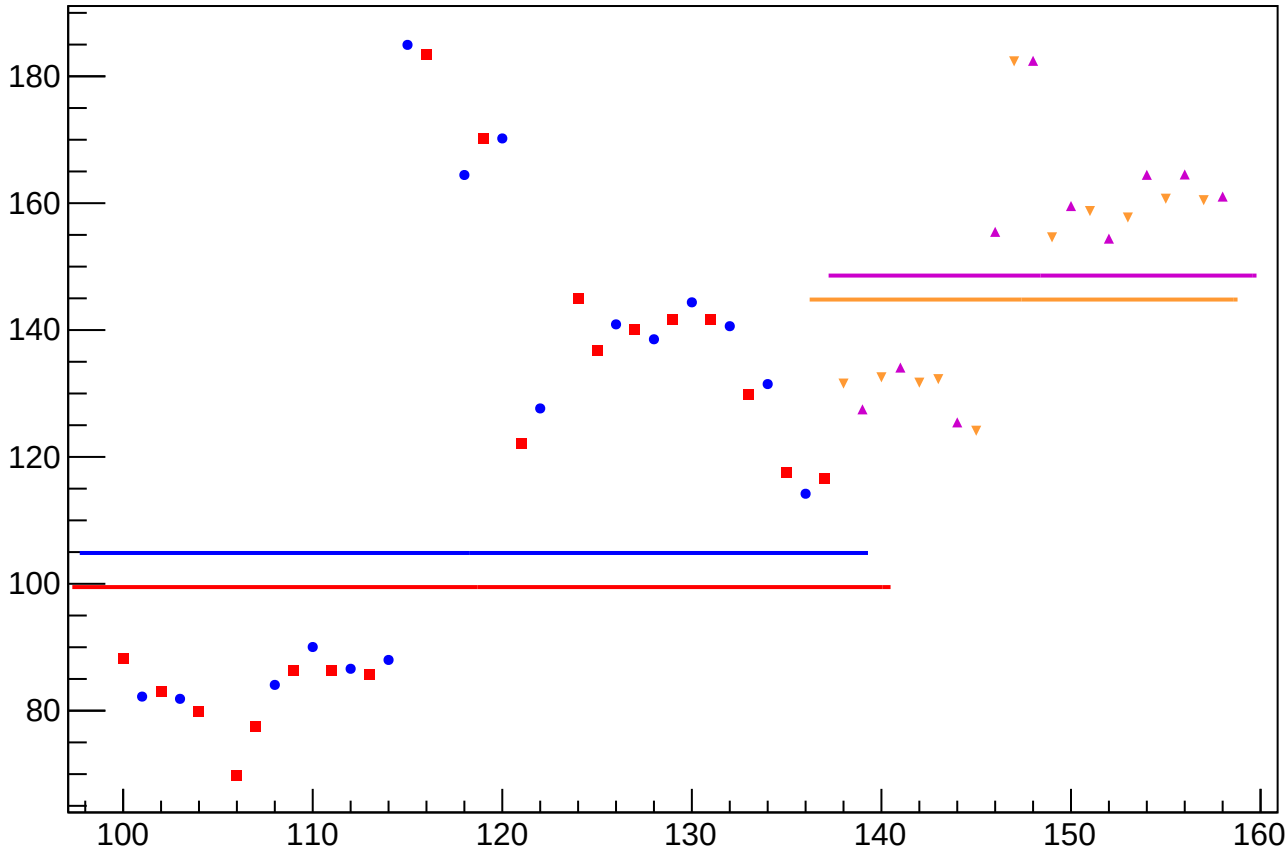
Right Out: -78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: -156.266+/-50.711 χ^2/NDF:9.0/9

+ sign 66.249+/-31.275 χ^2/NDF: 38.3/26

All: -22.570+/-21.785 χ^2/NDF: 81.2/55

- sign -106.281+/-30.363 χ^2/NDF: 27.2/28



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 144.808+/-0.035 χ^2/NDF:231400.6/10

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

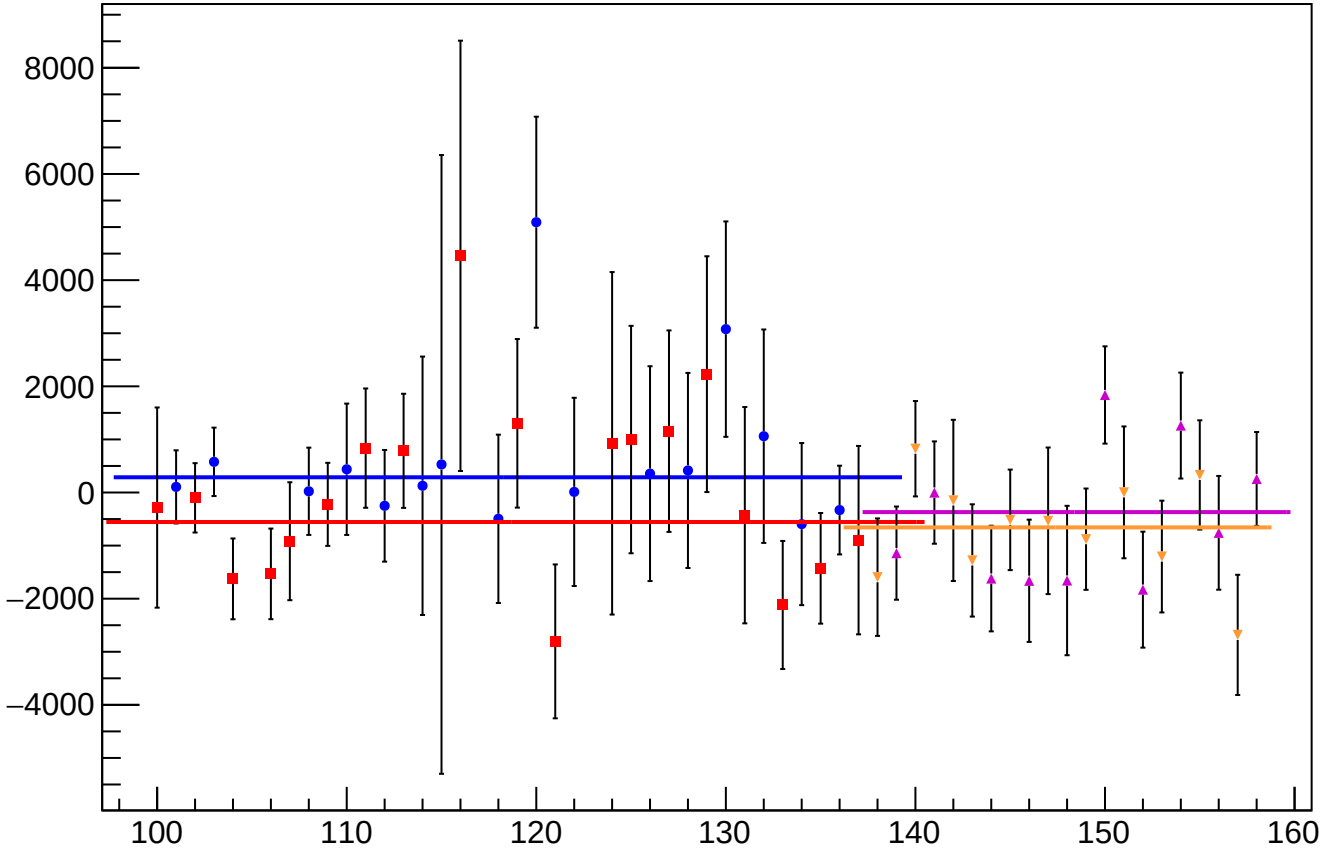
Left In: 148.588+/-0.036 χ^2/NDF:242630.7/9

+ sign 120.812+/-0.022 χ^2/NDF: 1945321.7/26

All: 118.894+/-0.015 χ^2/NDF: 4446770.6/55

- sign 117.087+/-0.021 χ^2/NDF: 2486845.7/28

asym_sam5_eigen_cor_correction_mean vs Slug



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -657.142+/-326.187 χ^2/NDF:8.7/10

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

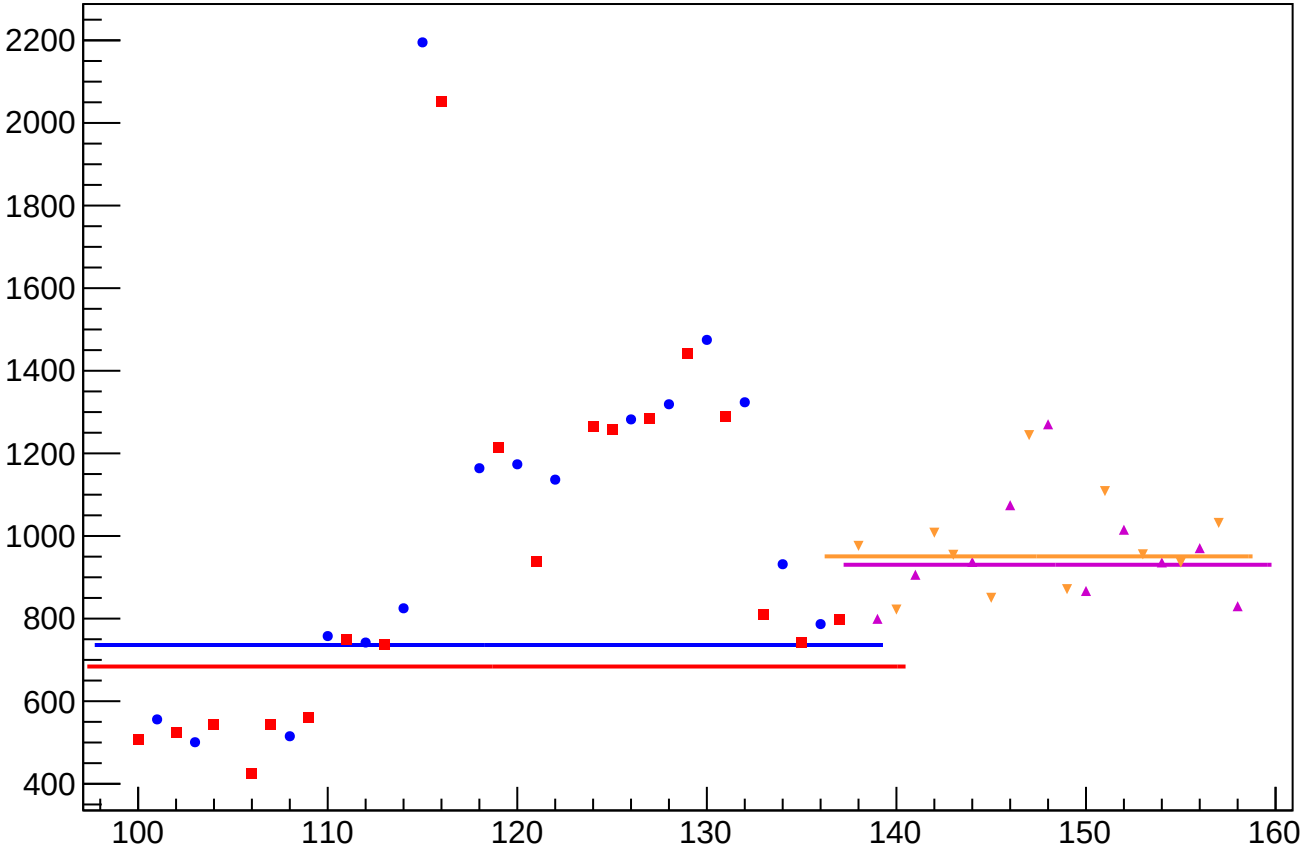
Left In: -368.967+/-318.996 χ^2/NDF:15.5/9

+ sign -135.411+/-218.169 χ^2/NDF: 23.0/26

All: -316.270+/-149.807 χ^2/NDF: 58.0/55

- sign -477.622+/-206.068 χ^2/NDF: 33.7/28

asym_sam5_eigen_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 950.652+/-0.231 χ^2/NDF:214826.9/10

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

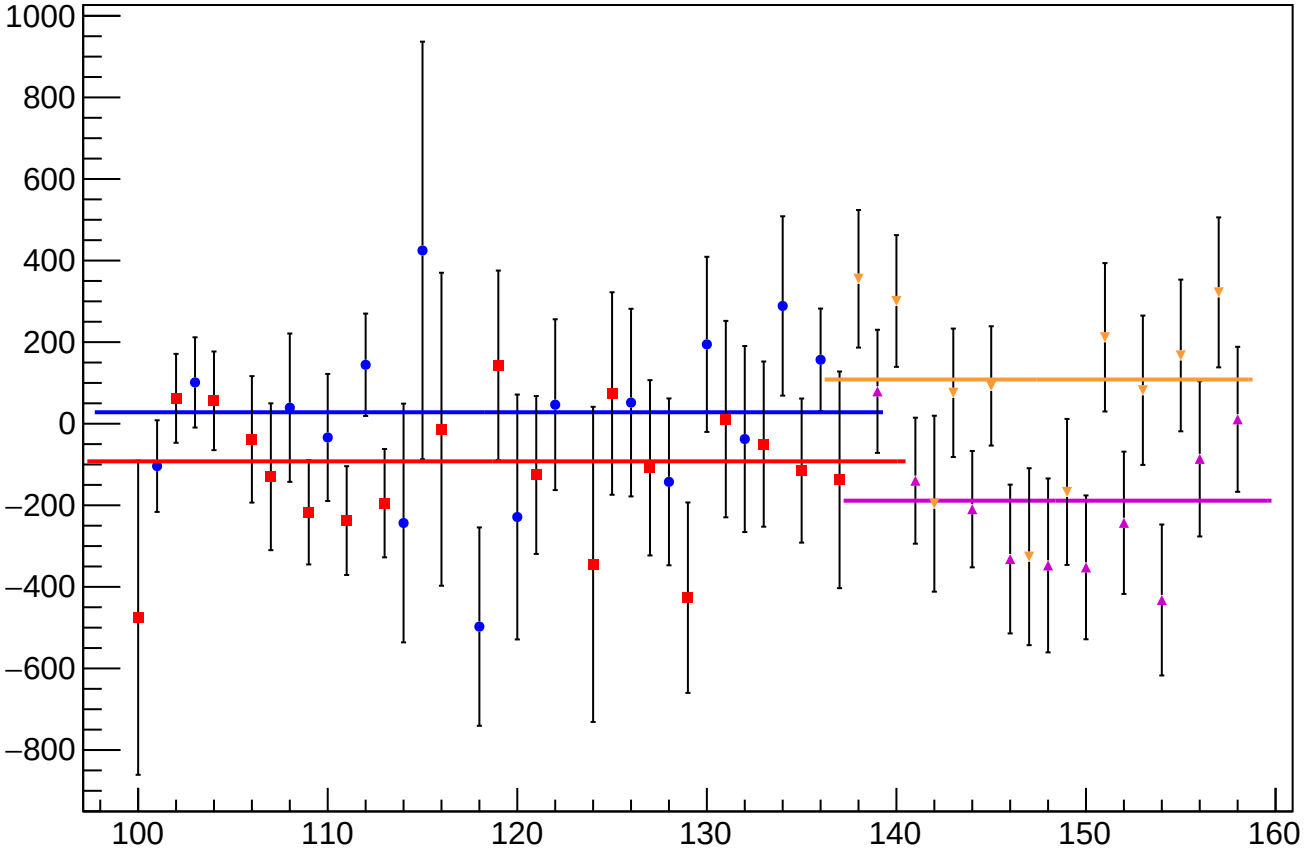
Left In: 930.338+/-0.226 χ^2/NDF:244311.5/9

+ sign 832.071+/-0.154 χ^2/NDF: 2537597.1/26

All: 808.138+/-0.106 χ^2/NDF: 5372929.3/55

- sign 786.786+/-0.146 χ^2/NDF: 2789790.6/28

dit_asym_sam5_mean vs Slug



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 108.382+/-53.216 χ^2/NDF:13.8/10

Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

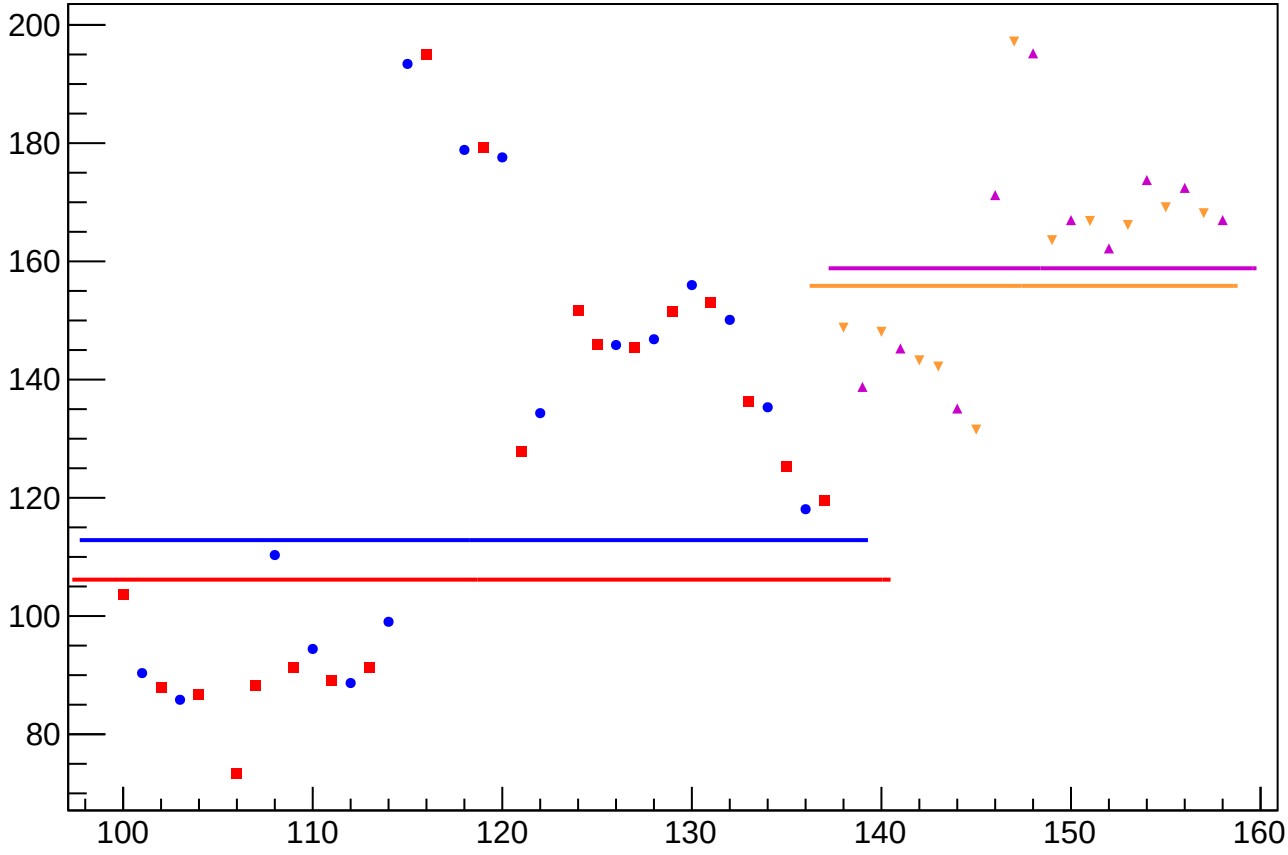
Left In: -188.684+/-54.194 χ^2/NDF:8.7/9

+ sign 60.199+/-33.651 χ^2/NDF: 28.7/26

All: -36.689+/-23.363 χ^2/NDF: 67.1/55

- sign -126.848+/-32.462 χ^2/NDF: 22.4/28

dit_asym_sam5_rms vs Slug



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 155.858+/-0.038 χ^2/NDF:194382.3/10

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

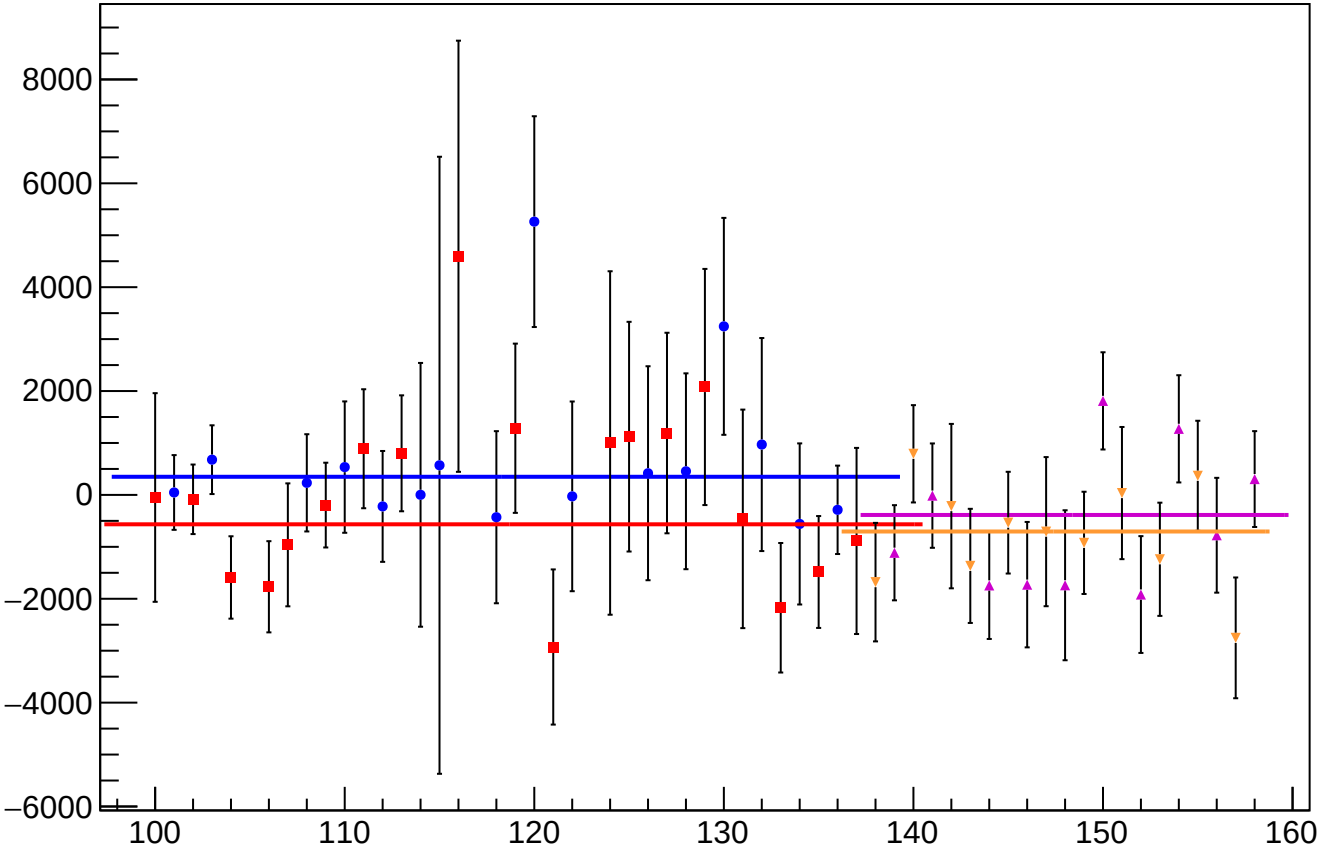
Left In: 158.830+/-0.038 χ^2/NDF:205924.8/9

+ sign 130.043+/-0.024 χ^2/NDF: 1850835.4/26

All: 127.460+/-0.017 χ^2/NDF: 4293026.8/55

- sign 125.057+/-0.023 χ^2/NDF: 2419442.9/28

asym_sam5_dit_correction_mean vs Slug



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -704.617+/-337.411 χ^2/NDF:8.5/10

Right Out: -566.026+/-279.219 χ^2/NDF: 18.3/18

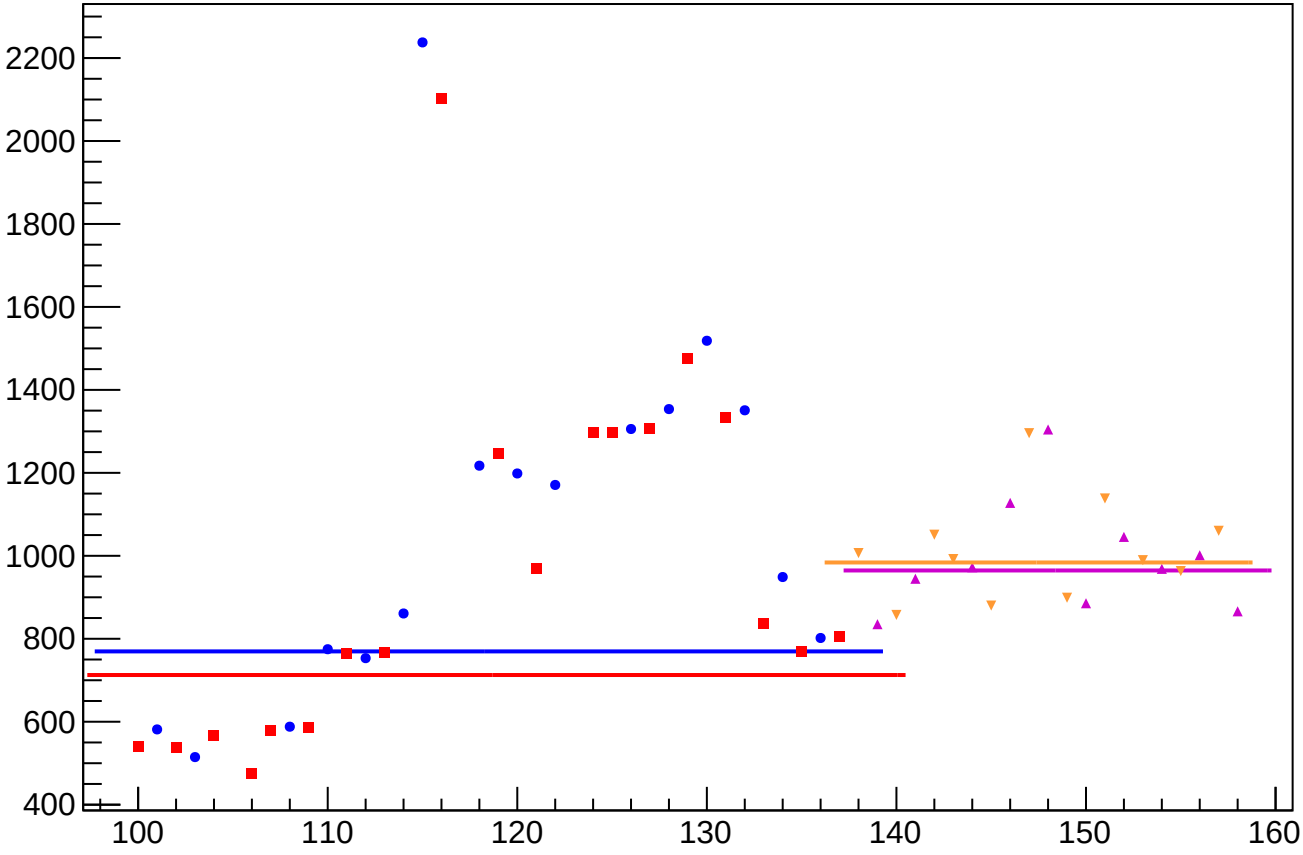
Left In: -386.205+/-330.576 χ^2/NDF:15.2/9

\+ sign -125.285+/-226.395 χ^2/NDF: 23.7/26

All: -319.097+/-155.253 χ^2/NDF: 58.8/55

\- sign -491.154+/-213.311 χ^2/NDF: 33.7/28

asym_sam5_dit_correction_rms vs Slug



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 983.937+/-0.239 χ^2/NDF:211442.4/10

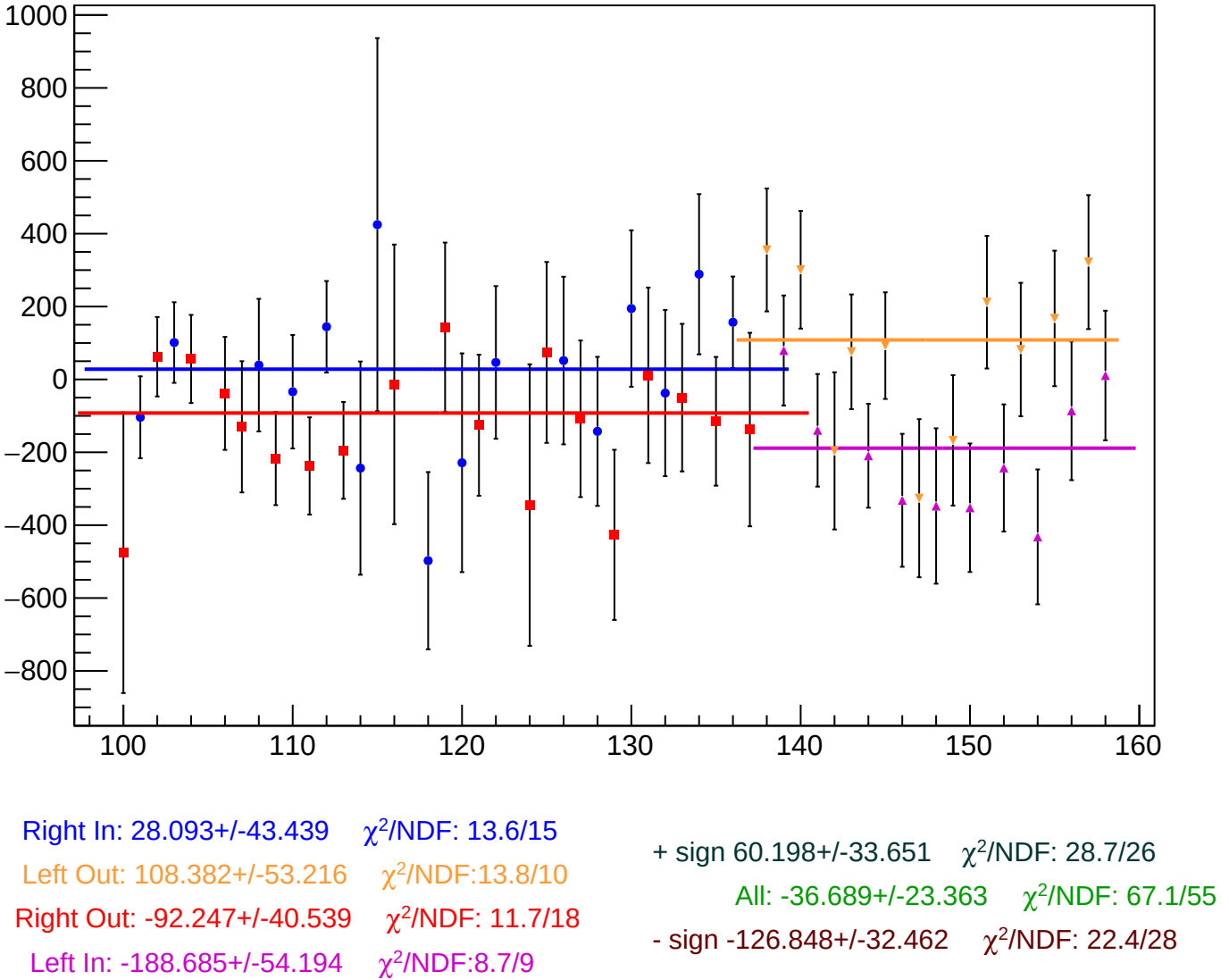
Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

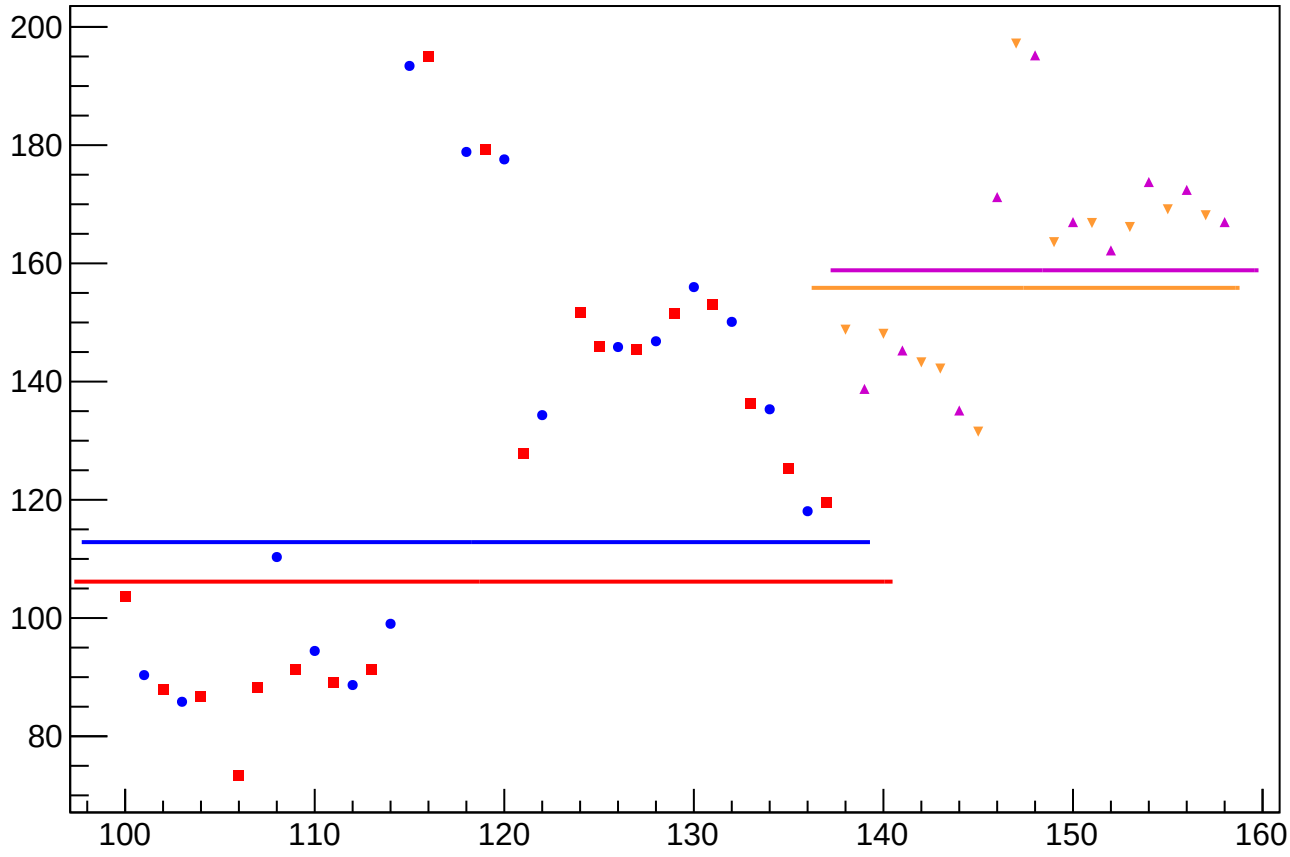
Left In: 964.662+/-0.234 χ^2/NDF:237664.4/9

+ sign 866.073+/-0.160 χ^2/NDF: 2395271.8/26

All: 840.378+/-0.110 χ^2/NDF: 5127279.7/55

- sign 817.568+/-0.151 χ^2/NDF: 2683376.4/28


eigen_dit_asym_sam5_mean vs Slug
1000
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
Right In: 28.093+/-43.439 χ²/NDF: 13.6/15
Left Out: 108.382+/-53.216 χ²/NDF:13.8/10
Right Out: -92.247+/-40.539 χ²/NDF: 11.7/18
Left In: -188.685+/-54.194 χ²/NDF:8.7/9
+ sign 60.198+/-33.651 χ²/NDF: 28.7/26
All: -36.689+/-23.363 χ²/NDF: 67.1/55
- sign -126.848+/-32.462 χ²/NDF: 22.4/28



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 155.858+/-0.038 χ^2/NDF:194384.7/10

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

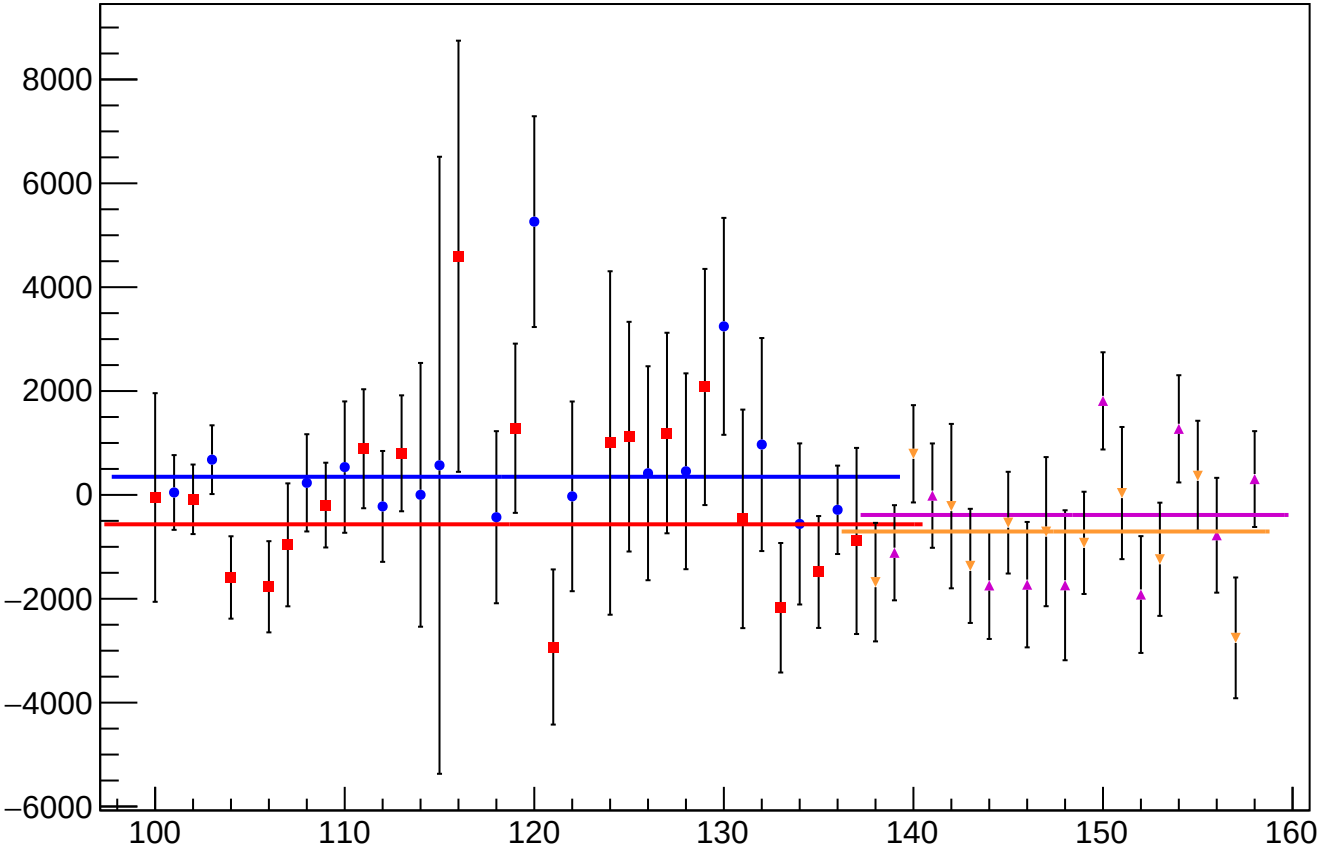
Left In: 158.830+/-0.038 χ^2/NDF:205922.7/9

+ sign 130.043+/-0.024 χ^2/NDF: 1850853.6/26

All: 127.460+/-0.017 χ^2/NDF: 4293057.2/55

- sign 125.057+/-0.023 χ^2/NDF: 2419455.6/28

asym_sam5_eigen_dit_correction_mean vs Slug



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -704.618+/-337.412 χ^2/NDF:8.5/10

Right Out: -566.026+/-279.218 χ^2/NDF: 18.3/18

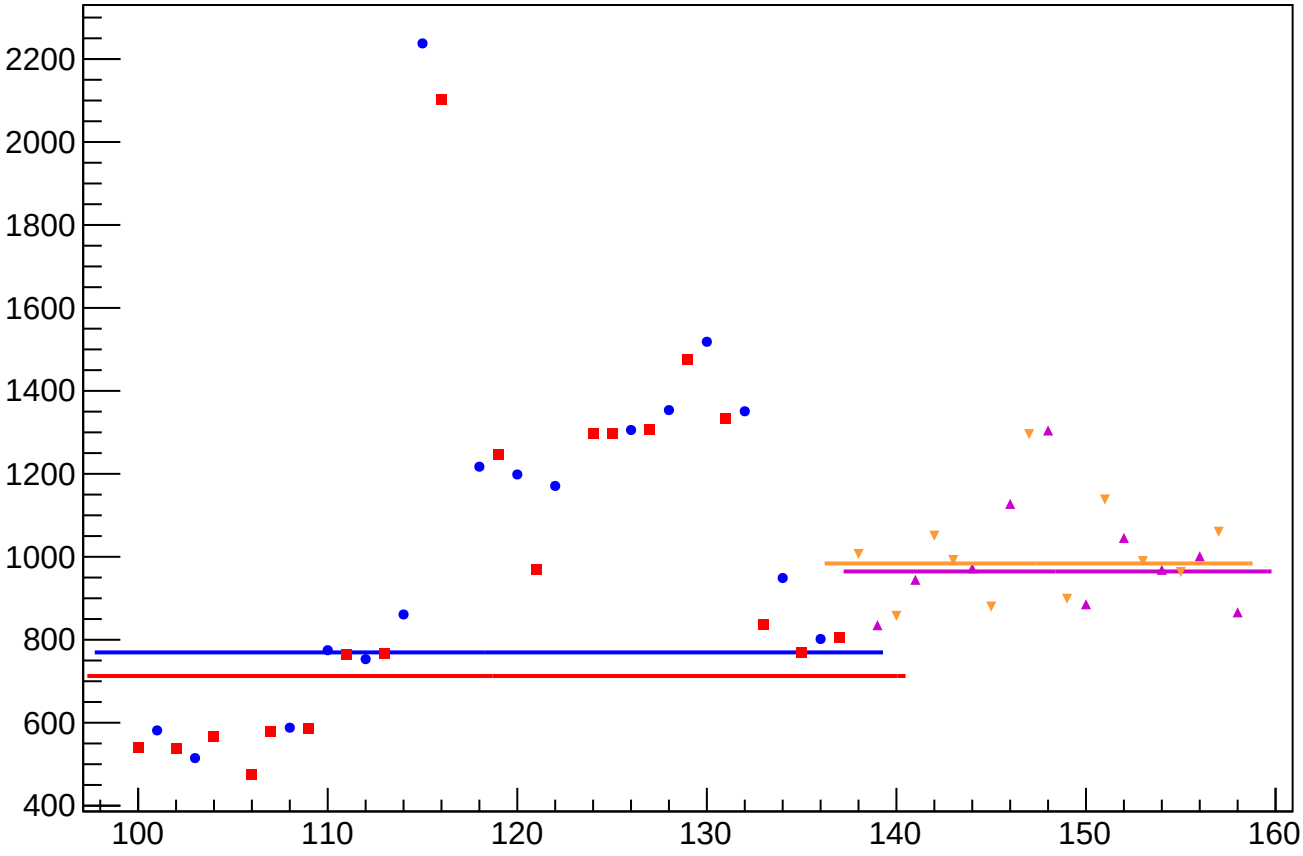
Left In: -386.207+/-330.577 χ^2/NDF:15.2/9

+ sign -125.283+/-226.395 χ^2/NDF: 23.7/26

All: -319.096+/-155.253 χ^2/NDF: 58.8/55

- sign -491.155+/-213.311 χ^2/NDF: 33.7/28

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 983.940+/-0.239 χ^2/NDF:211442.4/10

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

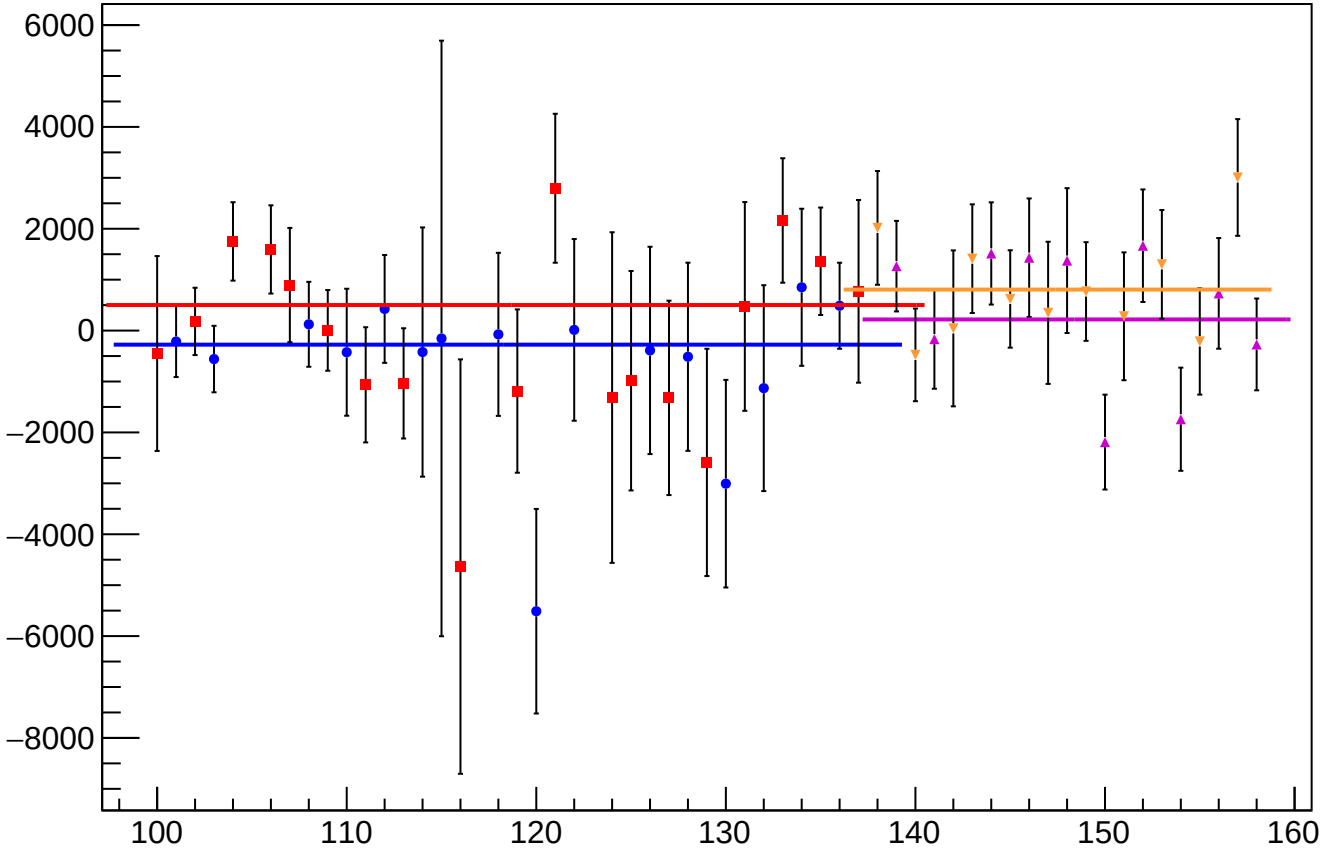
Left In: 964.664+/-0.234 χ^2/NDF:237665.8/9

+ sign 866.073+/-0.160 χ^2/NDF: 2395282.3/26

All: 840.378+/-0.110 χ^2/NDF: 5127300.3/55

- sign 817.568+/-0.151 χ^2/NDF: 2683386.0/28

asym_sam5_mean vs Slug



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 805.273+/-330.152 χ^2/NDF:8.9/10

Right Out: 501.985+/-272.991 χ^2/NDF: 20.5/18

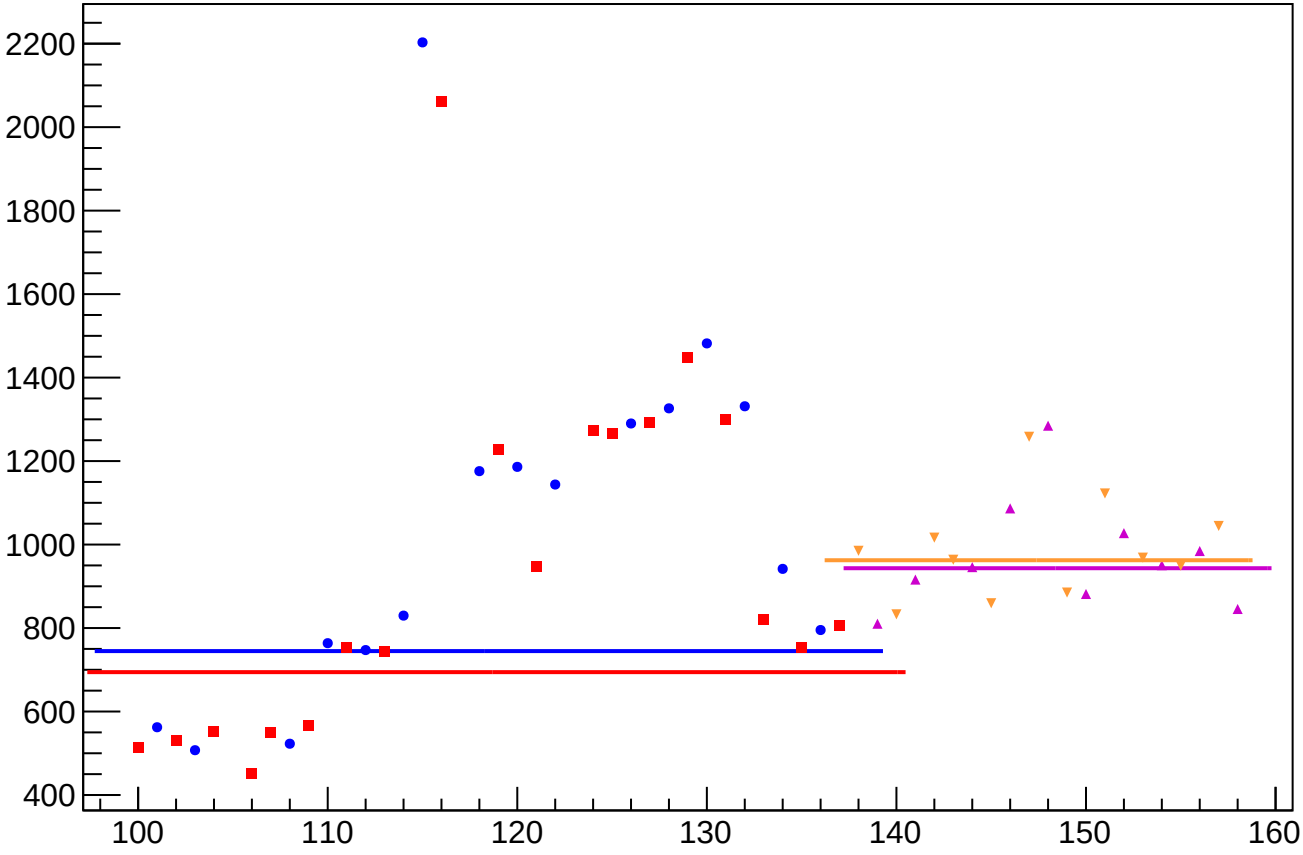
Left In: 218.694+/-323.333 χ^2/NDF:17.6/9

+ sign 207.004+/-220.684 χ^2/NDF: 25.9/26

All: 300.531+/-151.590 χ^2/NDF: 64.8/55

- sign 384.086+/-208.588 χ^2/NDF: 38.5/28

asym_sam5_rms vs Slug



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 962.439+/-0.233 χ^2/NDF:212783.2/10

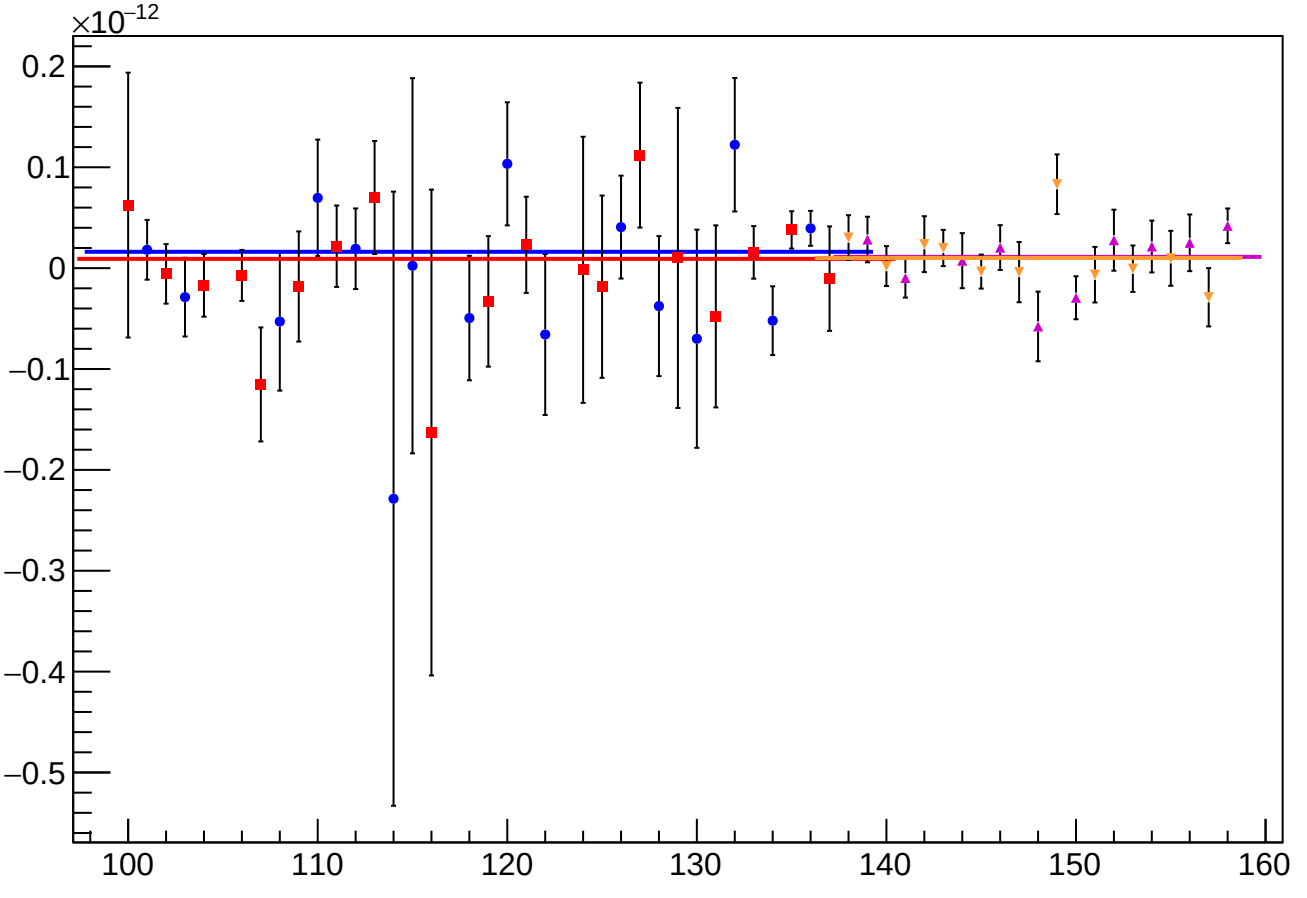
Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 943.309+/-0.229 χ^2/NDF:238667.1/9

+ sign 842.032+/-0.156 χ^2/NDF: 2516208.0/26

All: 818.755+/-0.107 χ^2/NDF: 5293014.3/55

- sign 797.960+/-0.147 χ^2/NDF: 2734677.9/28



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.9/10

Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

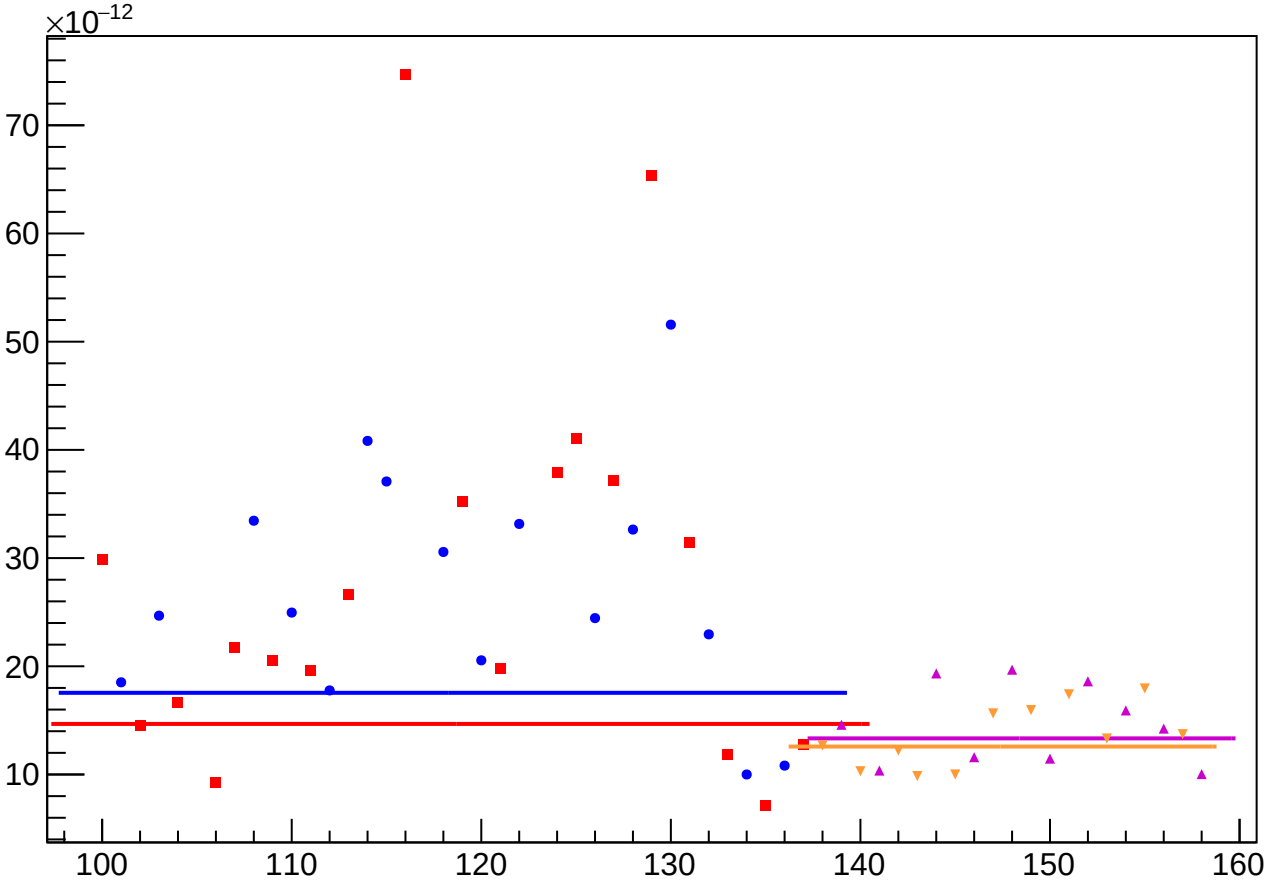
Left In: 0.000+/-0.000 χ^2/NDF:13.5/9

+ sign 0.000+/-0.000 χ^2/NDF: 29.1/26

All: 0.000+/-0.000 χ^2/NDF: 56.7/55

- sign 0.000+/-0.000 χ^2/NDF: 27.6/28

asym_sam5_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1156509.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:311245.5/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1741597.8/18

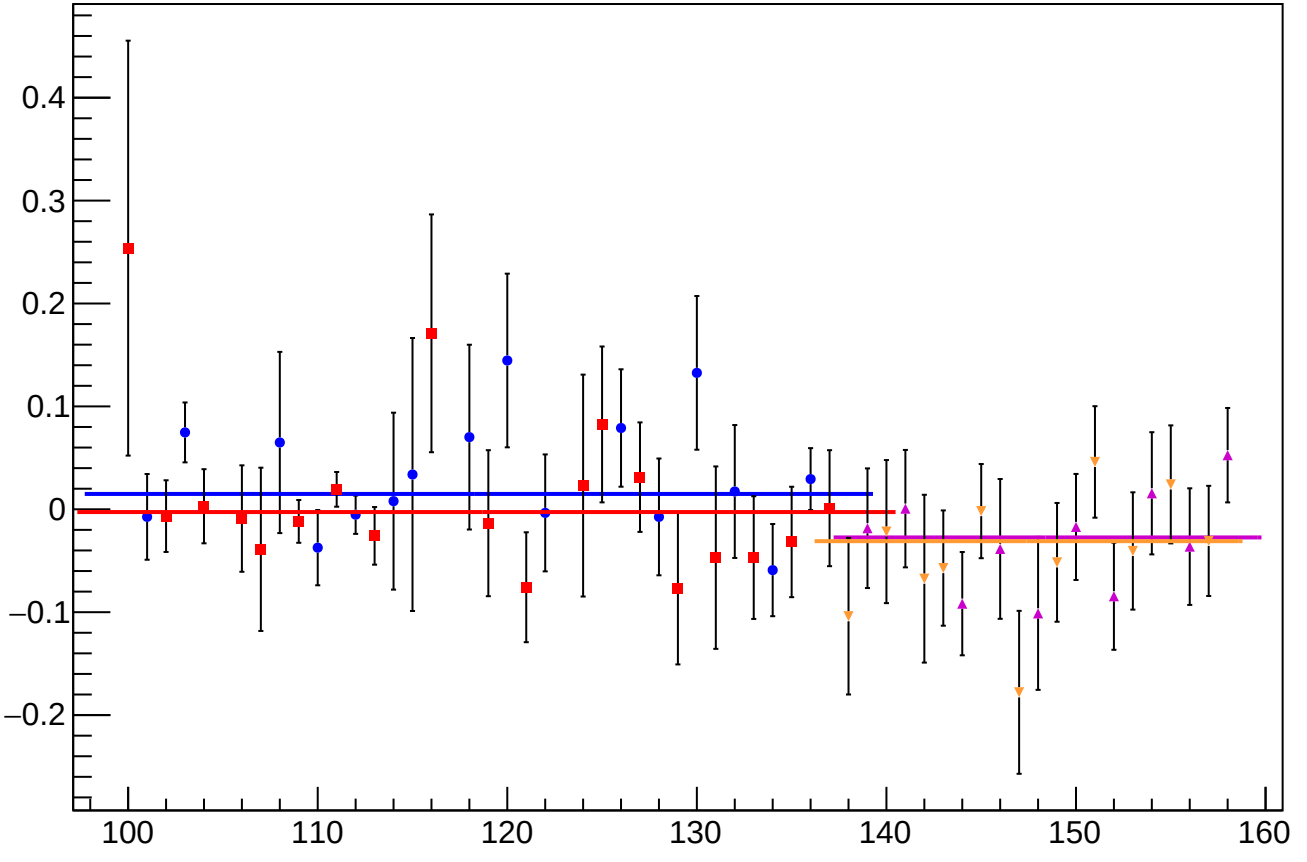
Left In: 0.000+/-0.000 χ^2/NDF:401742.8/9

+ sign 0.000+/-0.000 χ^2/NDF: 1770711.9/26

All: 0.000+/-0.000 χ^2/NDF: 3940477.7/55

- sign 0.000+/-0.000 χ^2/NDF: 2168351.5/28

asym_sam5_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.031+/-0.018 χ^2/NDF:8.3/10

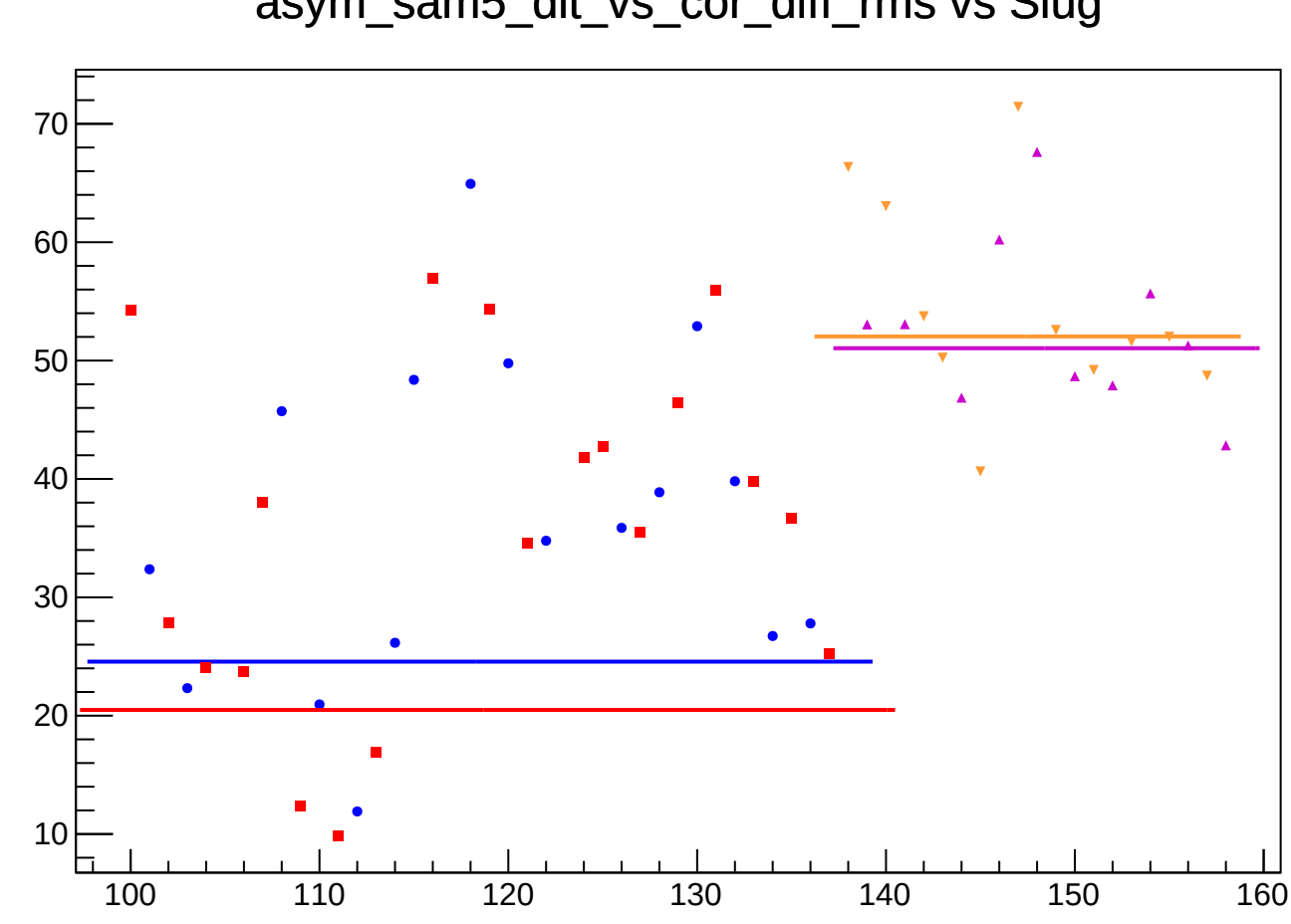
Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: -0.027+/-0.018 χ^2/NDF:7.7/9

+ sign 0.003+/-0.009 χ^2/NDF: 30.9/26

All: -0.003+/-0.006 χ^2/NDF: 53.5/55

- sign -0.008+/-0.008 χ^2/NDF: 21.7/28



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 52.034+/-0.013 χ^2/NDF:381445.2/10

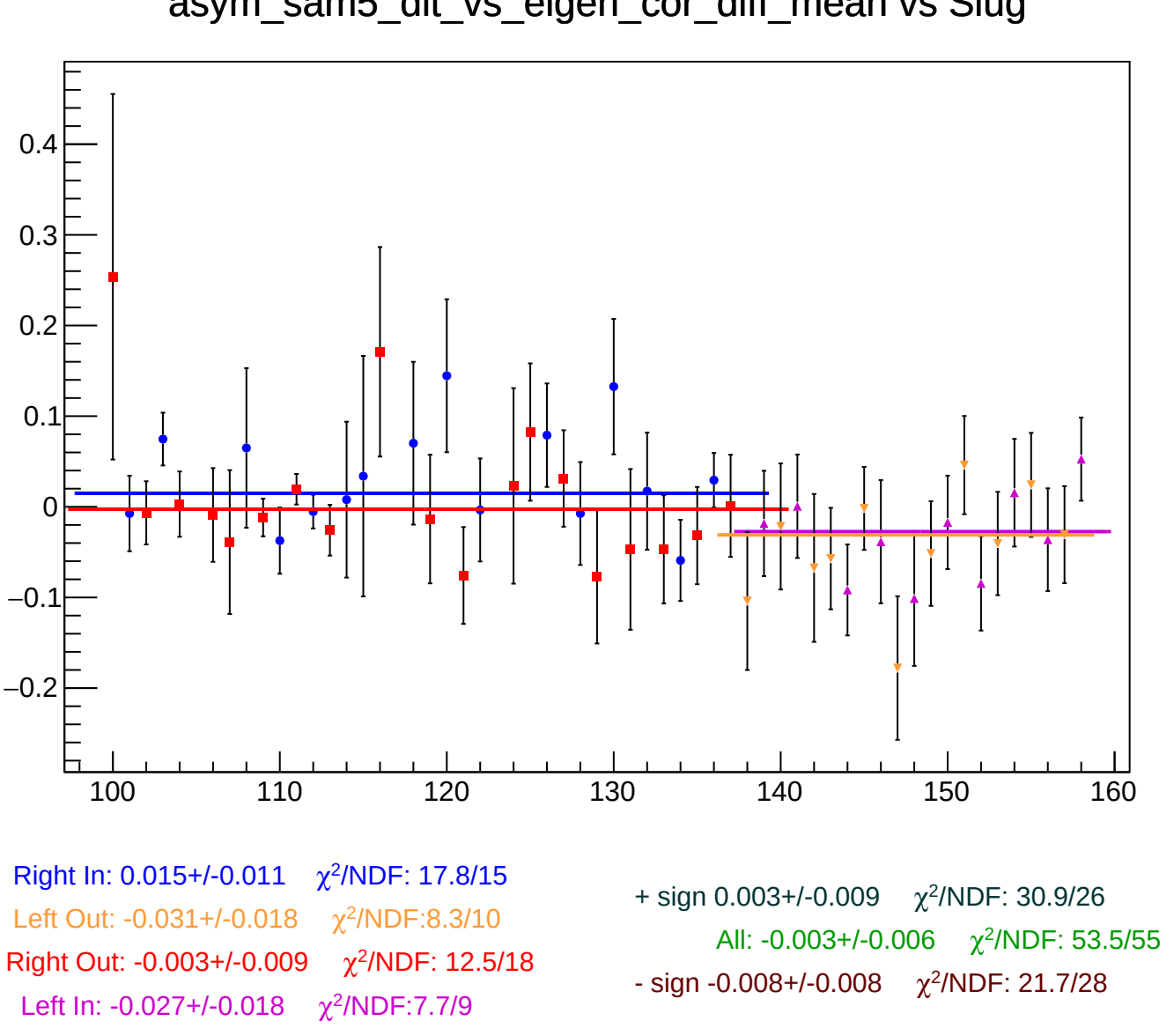
Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 51.043+/-0.012 χ^2/NDF:242524.5/9

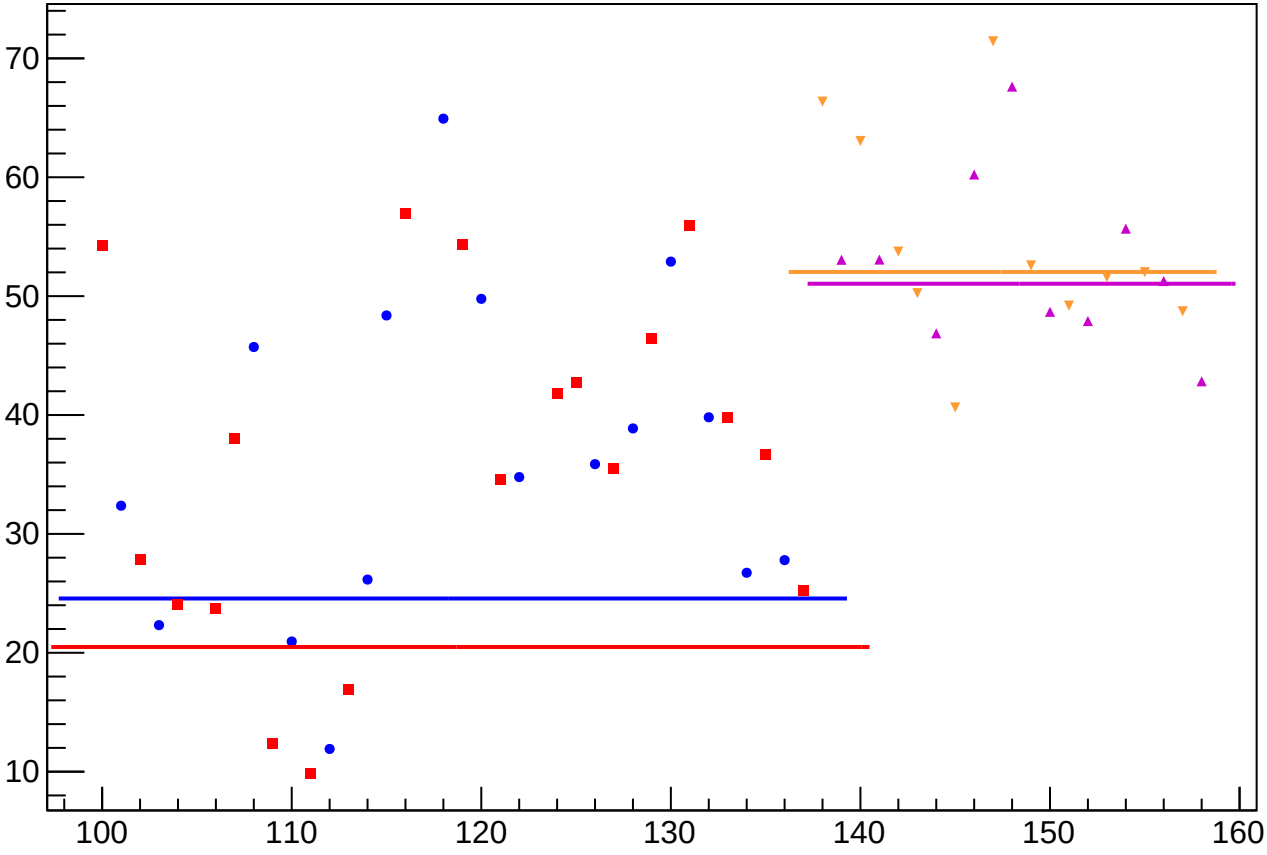
+ sign 31.628+/-0.006 χ^2/NDF: 6327162.4/26

All: 29.089+/-0.004 χ^2/NDF: 15144599.9/55

- sign 27.051+/-0.006 χ^2/NDF: 8538291.8/28


asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
Right In: 0.015+/-0.011 χ²/NDF: 17.8/15
Left Out: -0.031+/-0.018 χ²/NDF:8.3/10
Right Out: -0.003+/-0.009 χ²/NDF: 12.5/18
Left In: -0.027+/-0.018 χ²/NDF:7.7/9
+ sign 0.003+/-0.009 χ²/NDF: 30.9/26
All: -0.003+/-0.006 χ²/NDF: 53.5/55
- sign -0.008+/-0.008 χ²/NDF: 21.7/28

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 52.034+/-0.013 χ^2/NDF:381445.2/10

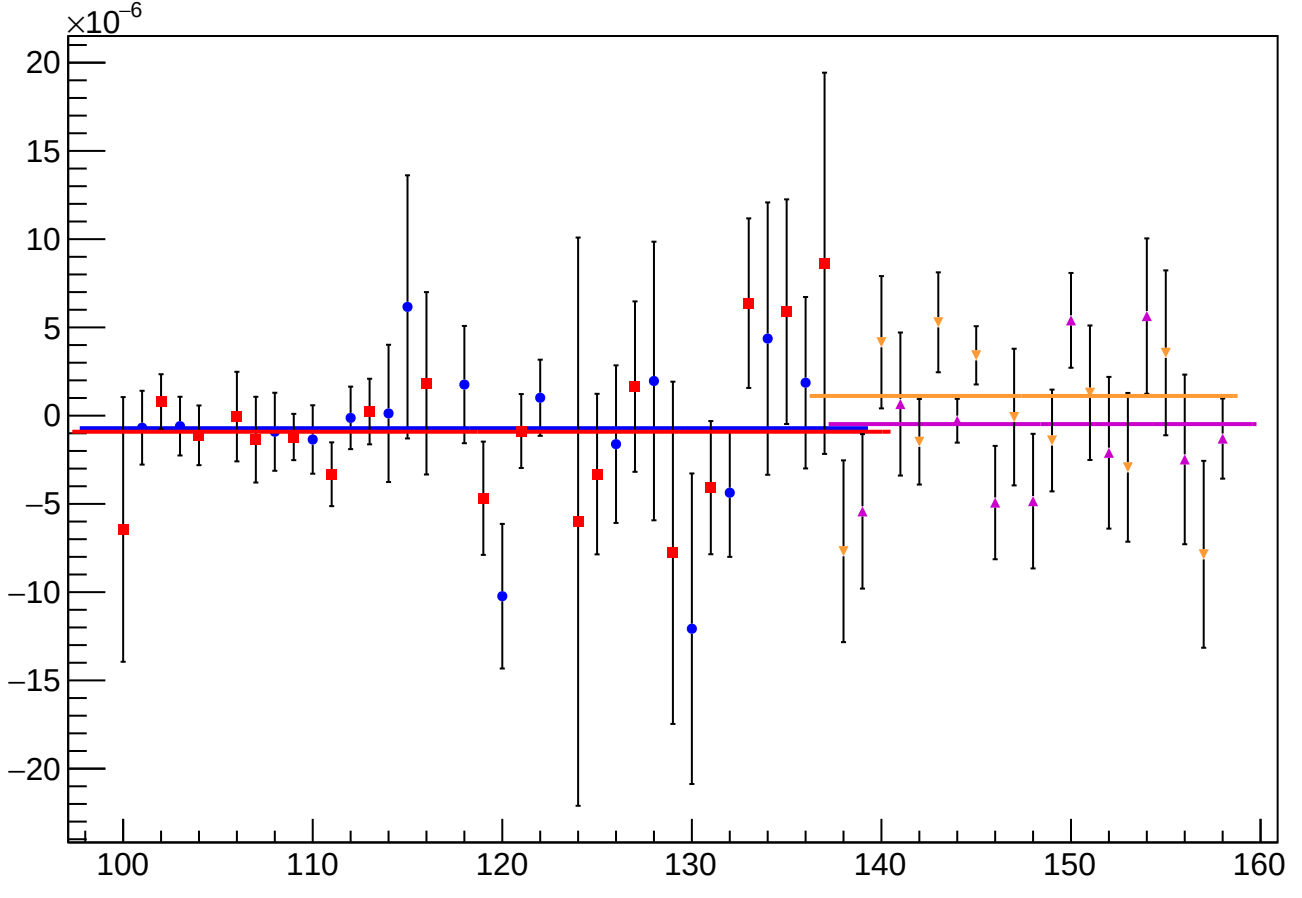
Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 51.043+/-0.012 χ^2/NDF:242524.5/9

+ sign 31.628+/-0.006 χ^2/NDF: 6327162.4/26

All: 29.089+/-0.004 χ^2/NDF: 15144599.9/55

- sign 27.051+/-0.006 χ^2/NDF: 8538291.8/28



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/10

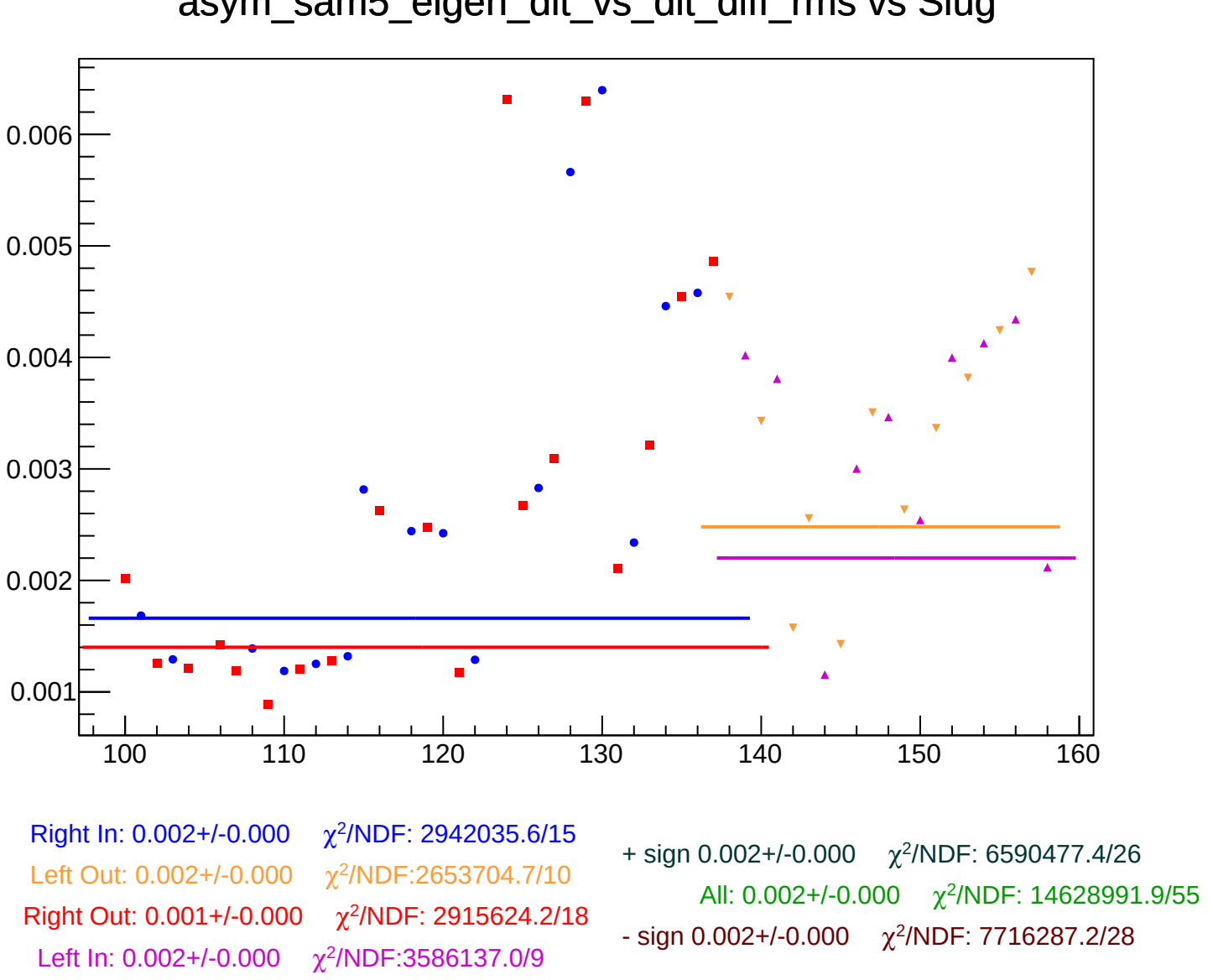
Right Out: -0.000+/-0.000 χ^2/NDF: 11.9/18

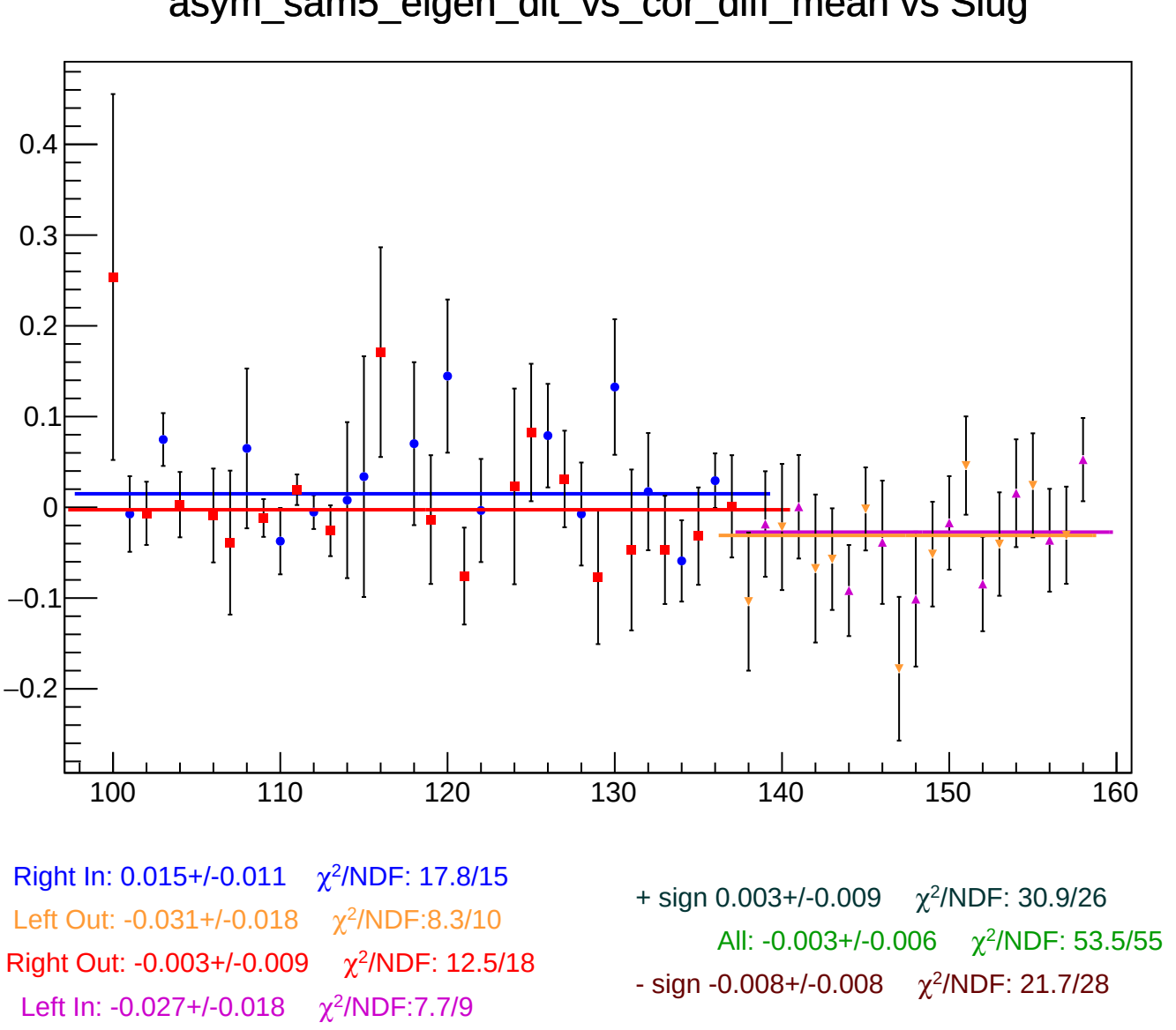
Left In: -0.000+/-0.000 χ^2/NDF:11.8/9

+ sign -0.000+/-0.000 χ^2/NDF: 27.5/26

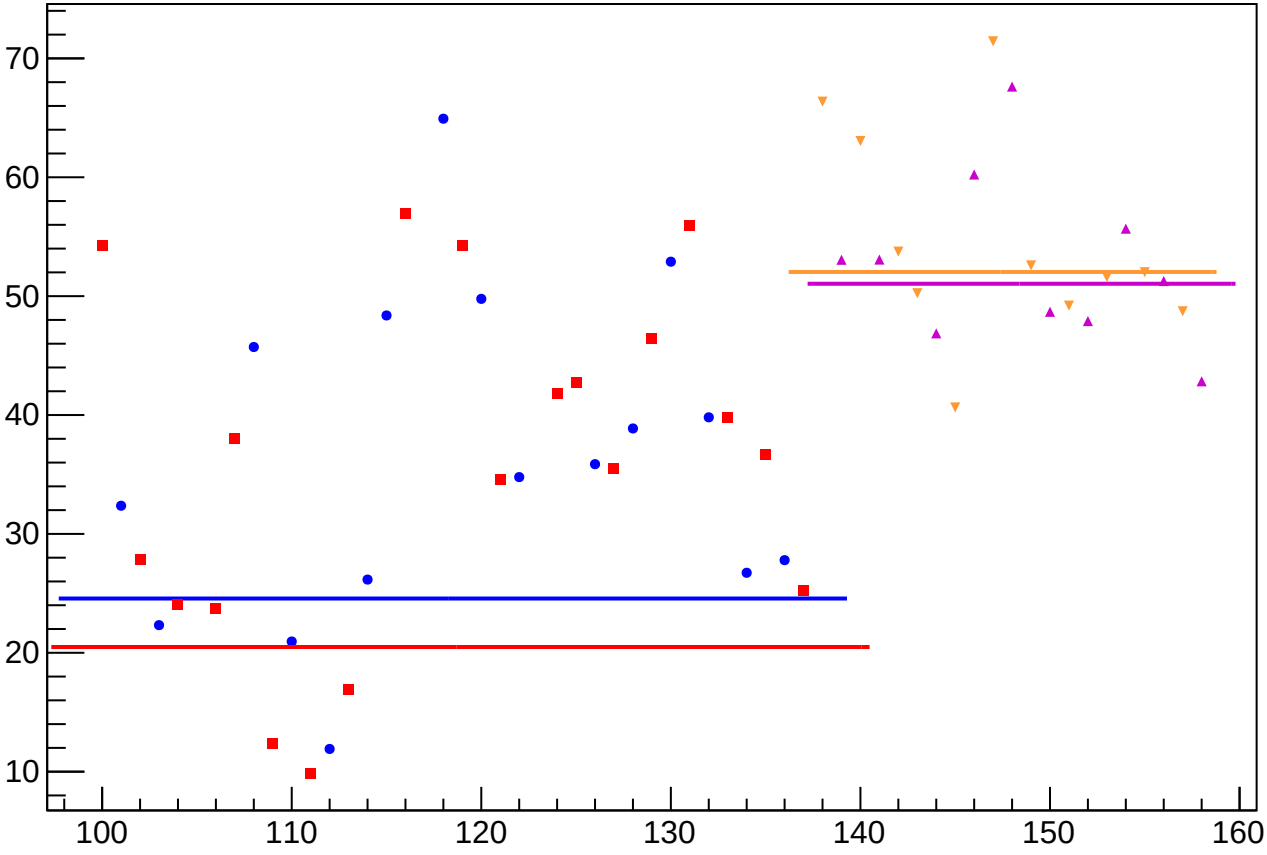
All: -0.000+/-0.000 χ^2/NDF: 52.3/55

- sign -0.000+/-0.000 χ^2/NDF: 23.8/28


asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
Right In: 0.002+/-0.000 χ²/NDF: 2942035.6/15
Left Out: 0.002+/-0.000 χ²/NDF:2653704.7/10
Right Out: 0.001+/-0.000 χ²/NDF: 2915624.2/18
Left In: 0.002+/-0.000 χ²/NDF:3586137.0/9
+ sign 0.002+/-0.000 χ²/NDF: 6590477.4/26
All: 0.002+/-0.000 χ²/NDF: 14628991.9/55
- sign 0.002+/-0.000 χ²/NDF: 7716287.2/28


asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
Right In: 0.015+/-0.011 χ²/NDF: 17.8/15
Left Out: -0.031+/-0.018 χ²/NDF:8.3/10
Right Out: -0.003+/-0.009 χ²/NDF: 12.5/18
Left In: -0.027+/-0.018 χ²/NDF:7.7/9
+ sign 0.003+/-0.009 χ²/NDF: 30.9/26
All: -0.003+/-0.006 χ²/NDF: 53.5/55
- sign -0.008+/-0.008 χ²/NDF: 21.7/28

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 52.034+/-0.013 χ^2/NDF:381500.4/10

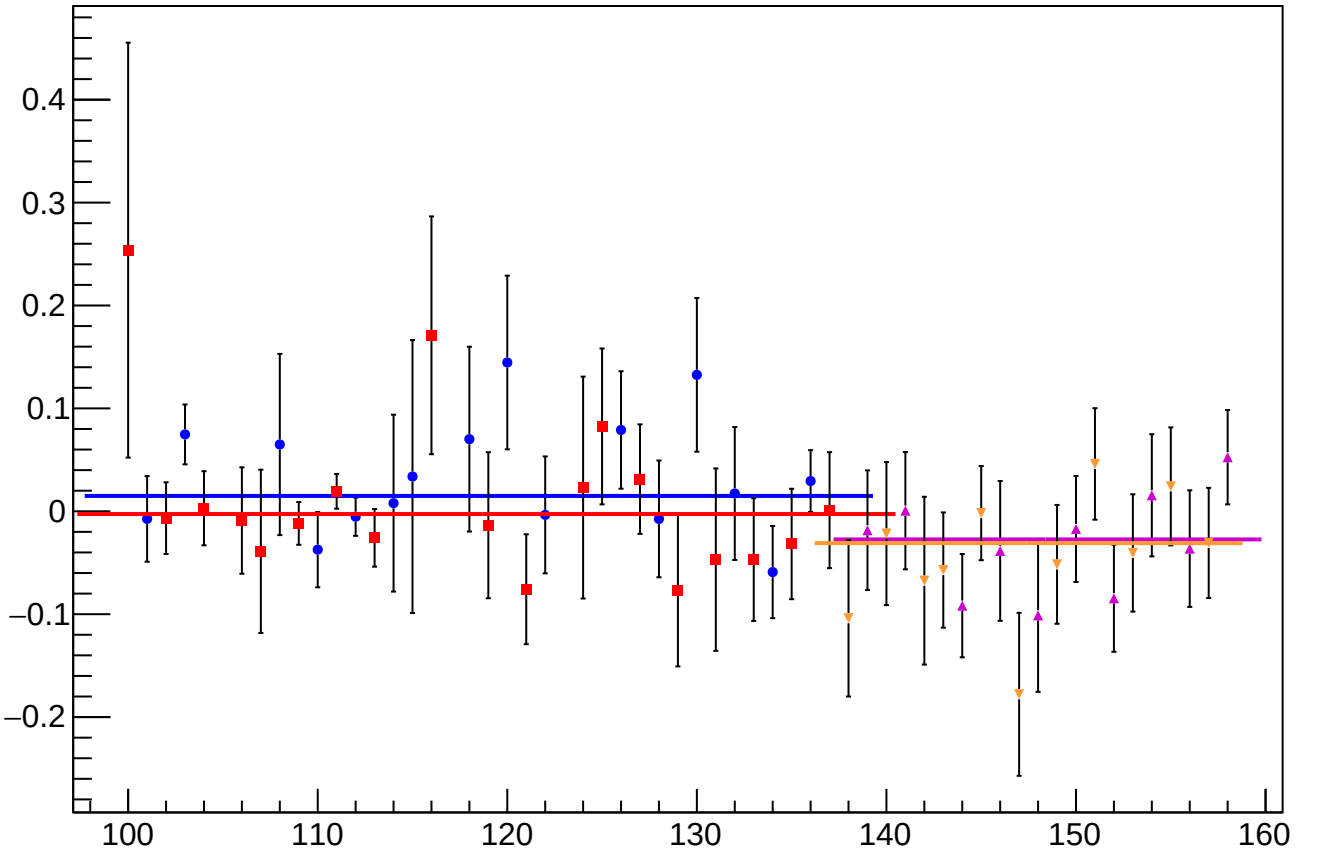
Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 51.043+/-0.012 χ^2/NDF:242591.7/9

+ sign 31.628+/-0.006 χ^2/NDF: 6327370.0/26

All: 29.088+/-0.004 χ^2/NDF: 15145121.5/55

- sign 27.050+/-0.006 χ^2/NDF: 8538587.9/28



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.031+/-0.018 χ^2/NDF:8.3/10

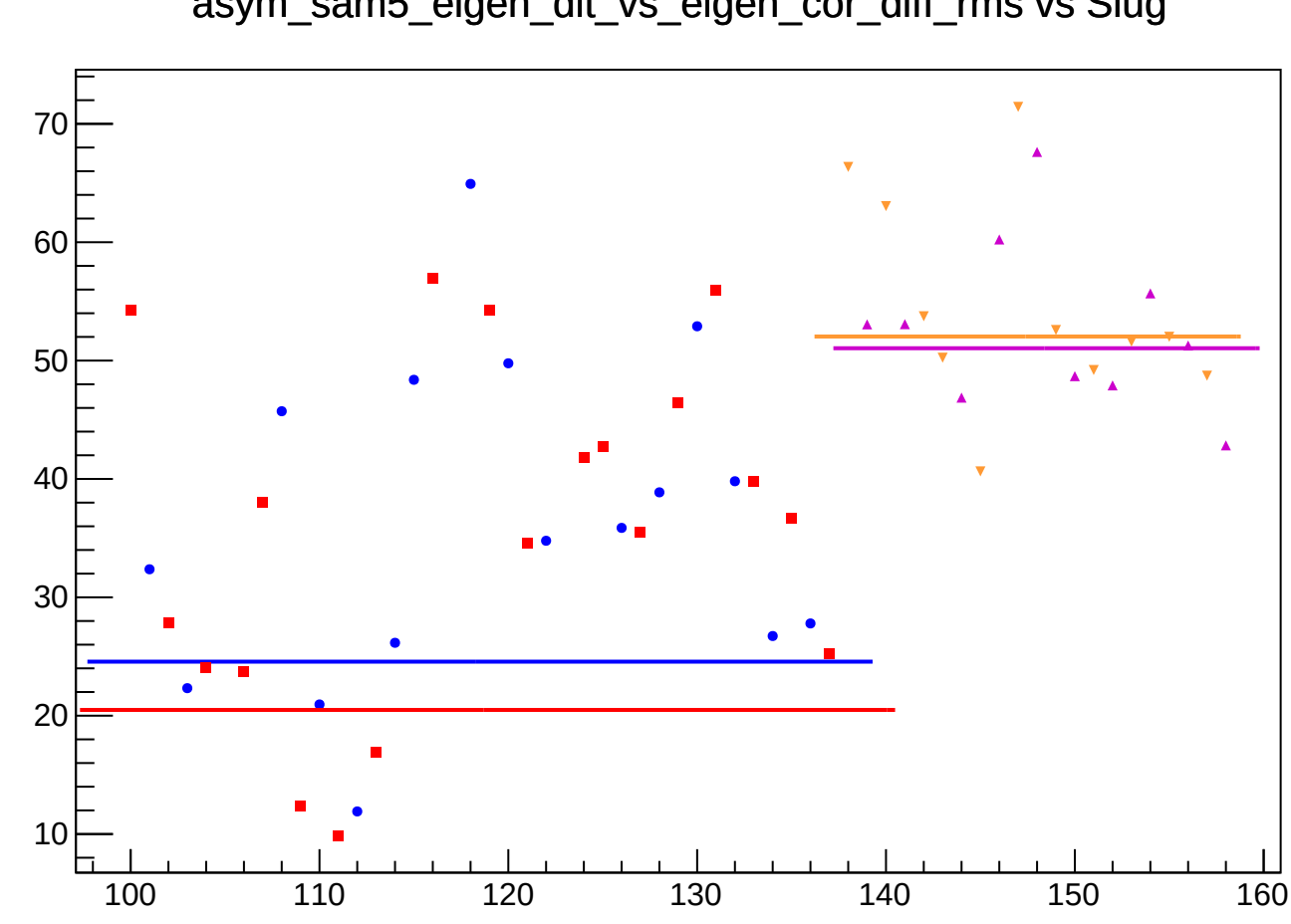
Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: -0.027+/-0.018 χ^2/NDF:7.7/9

+ sign 0.003+/-0.009 χ^2/NDF: 30.9/26

All: -0.003+/-0.006 χ^2/NDF: 53.5/55

- sign -0.008+/-0.008 χ^2/NDF: 21.7/28



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 52.034+/-0.013 χ^2/NDF:381500.4/10

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

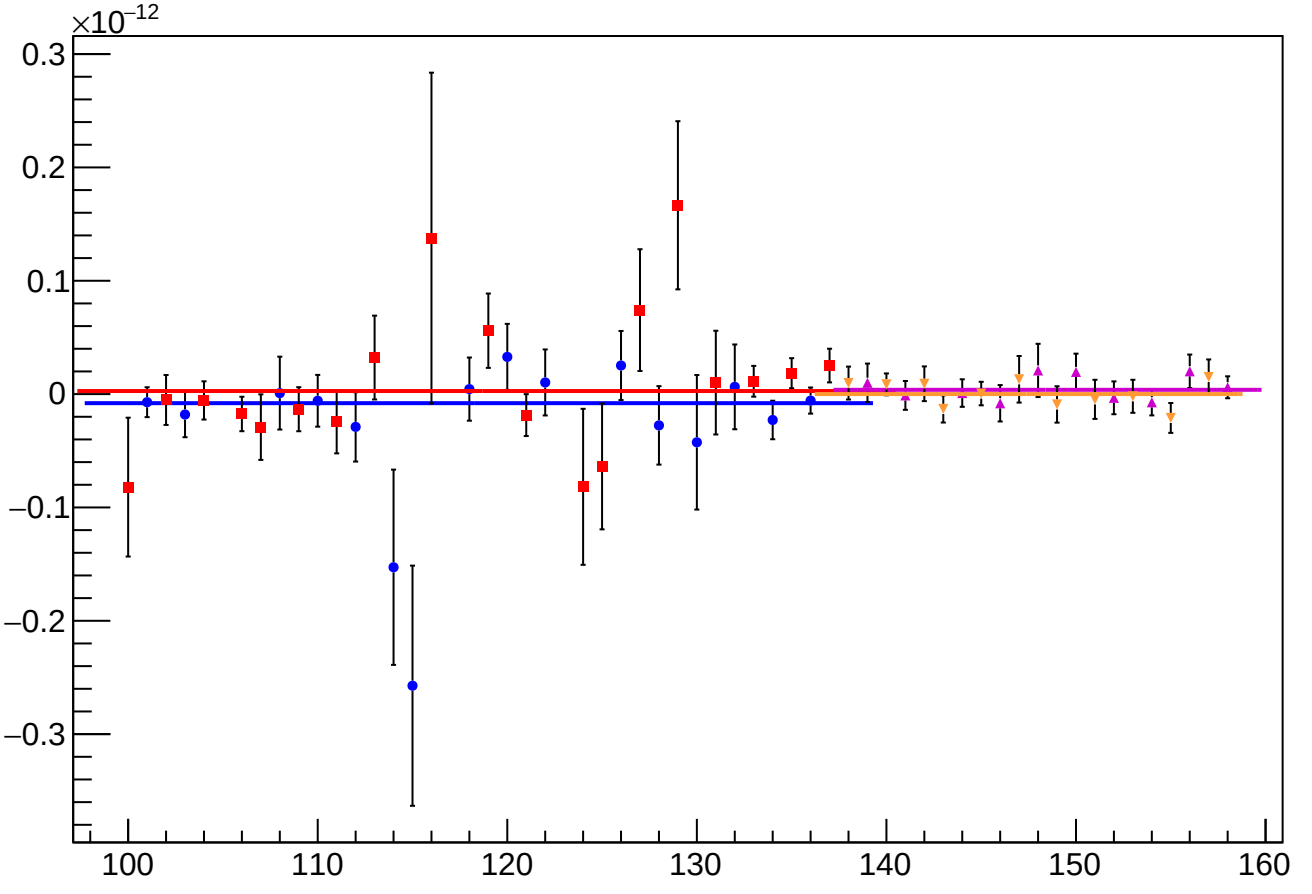
Left In: 51.043+/-0.012 χ^2/NDF:242591.7/9

+ sign 31.628+/-0.006 χ^2/NDF: 6327370.0/26

All: 29.088+/-0.004 χ^2/NDF: 15145121.5/55

- sign 27.050+/-0.006 χ^2/NDF: 8538587.9/28

asym_sam5_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.1/10

Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/18

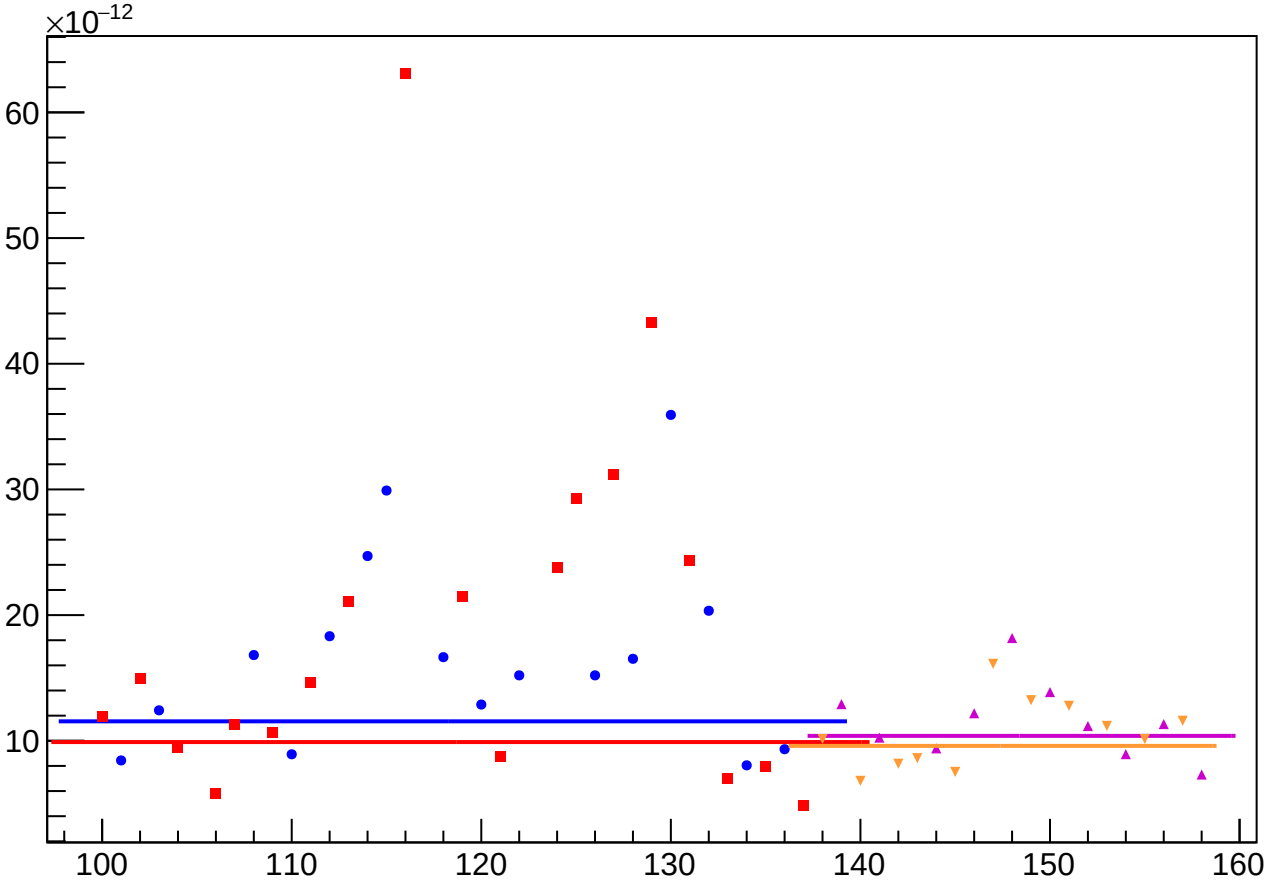
Left In: 0.000+/-0.000 χ^2/NDF:4.8/9

+ sign -0.000+/-0.000 χ^2/NDF: 22.9/26

All: 0.000+/-0.000 χ^2/NDF: 55.4/55

- sign 0.000+/-0.000 χ^2/NDF: 30.9/28

asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1179957.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:712104.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2635766.2/18

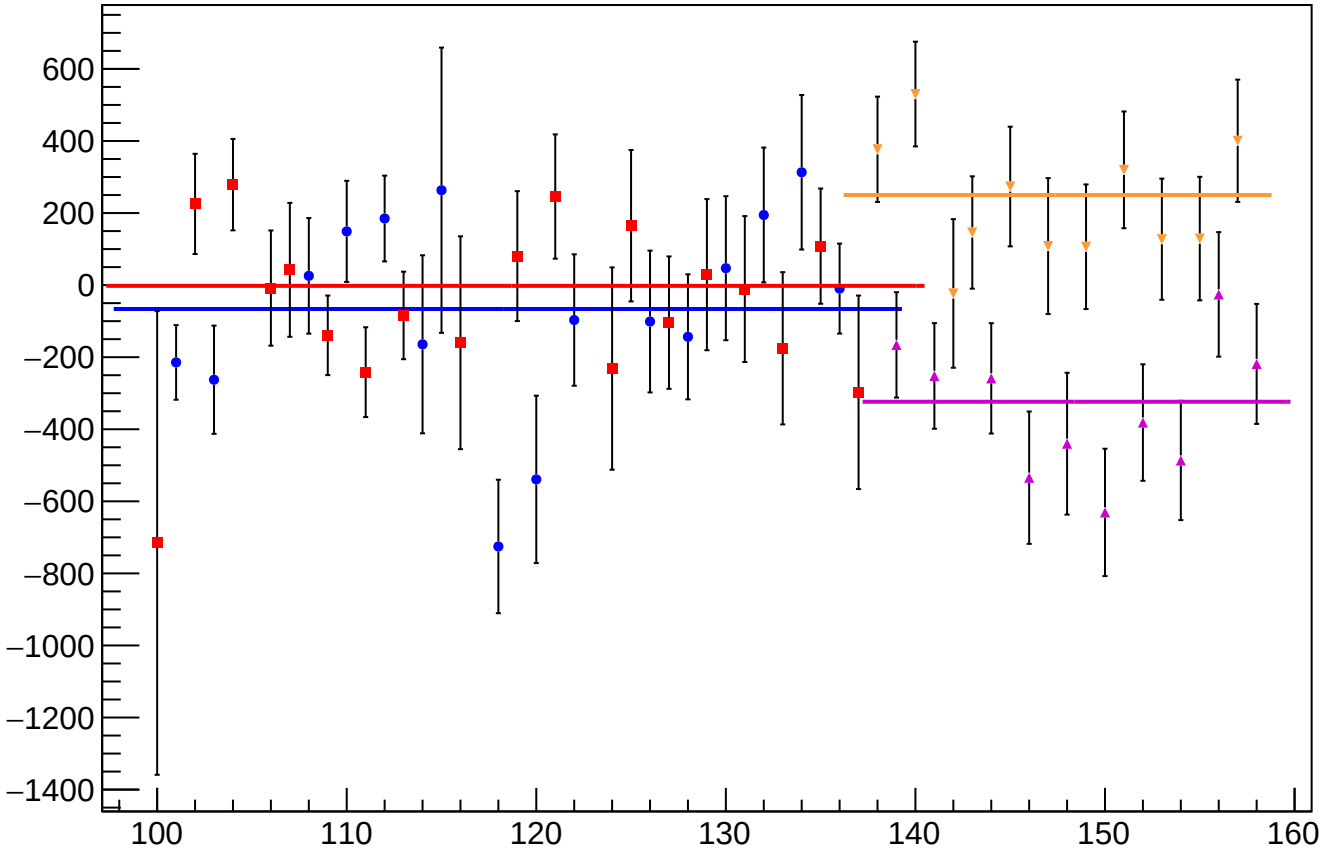
Left In: 0.000+/-0.000 χ^2/NDF:644105.0/9

+ sign 0.000+/-0.000 χ^2/NDF: 2044720.3/26

All: 0.000+/-0.000 χ^2/NDF: 5335502.2/55

- sign 0.000+/-0.000 χ^2/NDF: 3290518.9/28

reg_asym_sam6_mean vs Slug



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 250.096+/-50.068 χ^2/NDF:9.9/10

Right Out: -2.017+/-38.866 χ^2/NDF: 21.1/18

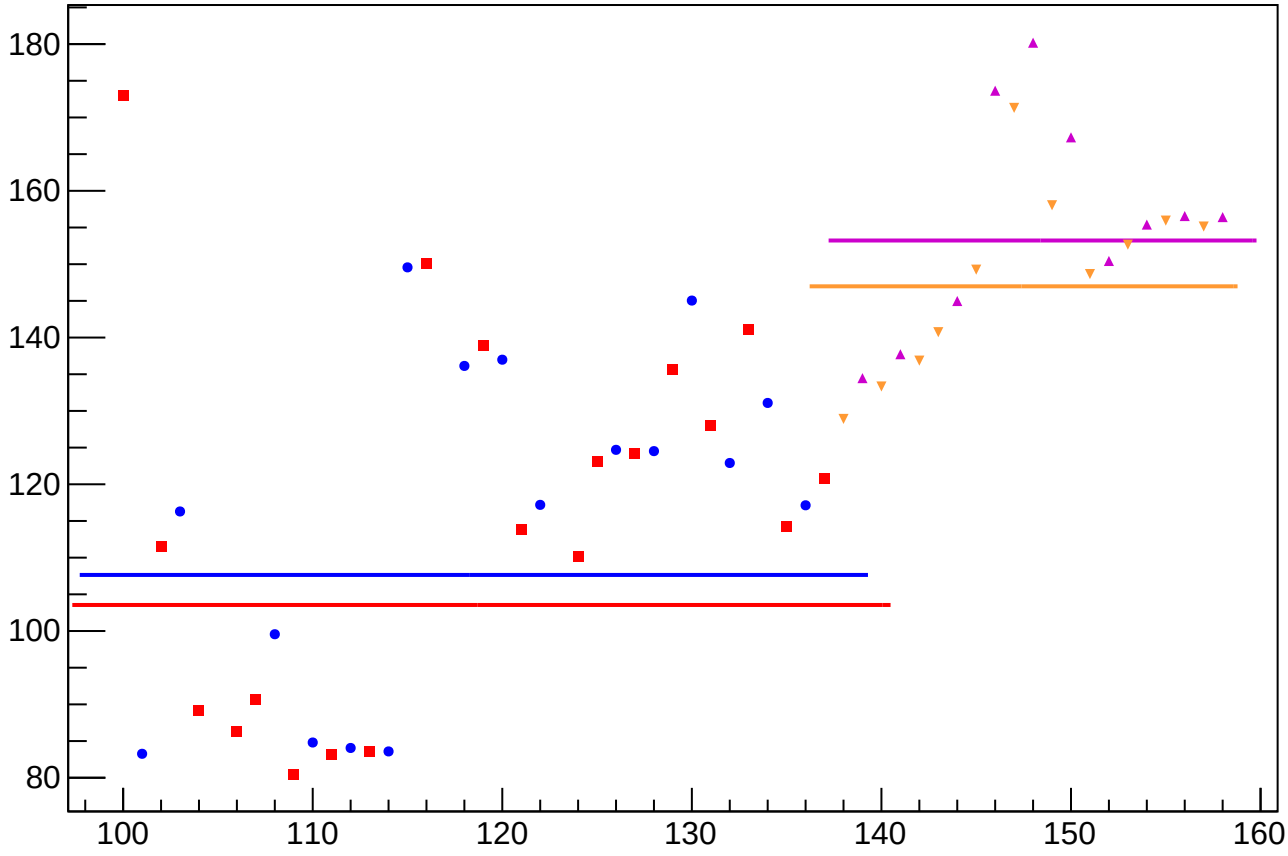
Left In: -323.642+/-52.140 χ^2/NDF:10.7/9

+ sign 60.511+/-31.692 χ^2/NDF: 68.3/26

All: -29.691+/-22.220 χ^2/NDF: 140.5/55

- sign -116.897+/-31.161 χ^2/NDF: 56.3/28

reg_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 146.983+/-0.035 χ^2/NDF:110637.4/10

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

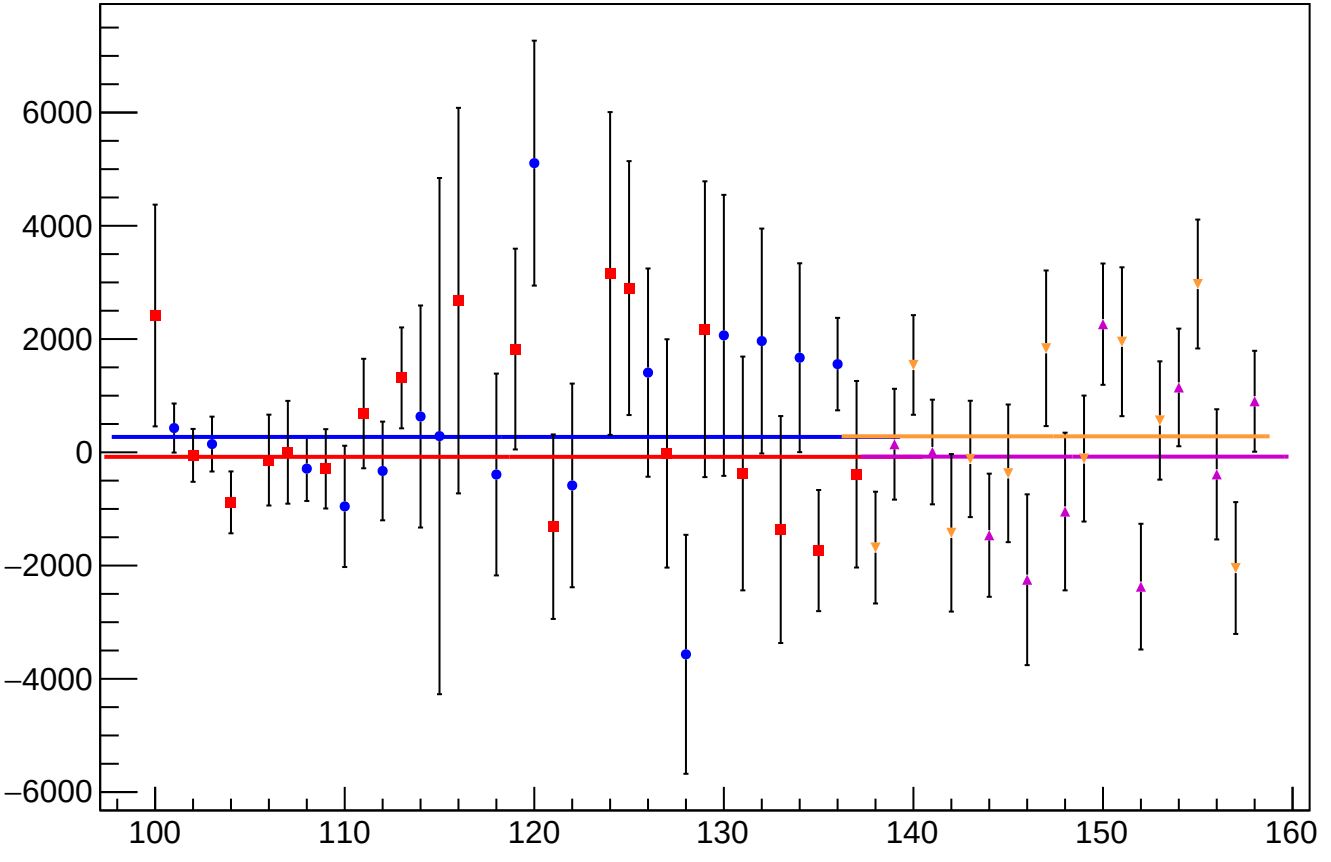
Left In: 153.229+/-0.037 χ^2/NDF:138470.7/9

+ sign 123.406+/-0.022 χ^2/NDF: 1383449.1/26

All: 122.332+/-0.016 χ^2/NDF: 3310934.6/55

- sign 121.295+/-0.022 χ^2/NDF: 1922972.4/28

asym_sam6_reg_correction_mean vs Slug



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: 282.055+/-337.039 χ^2/NDF:20.6/10

Right Out: -80.094+/-232.154 χ^2/NDF: 16.0/18

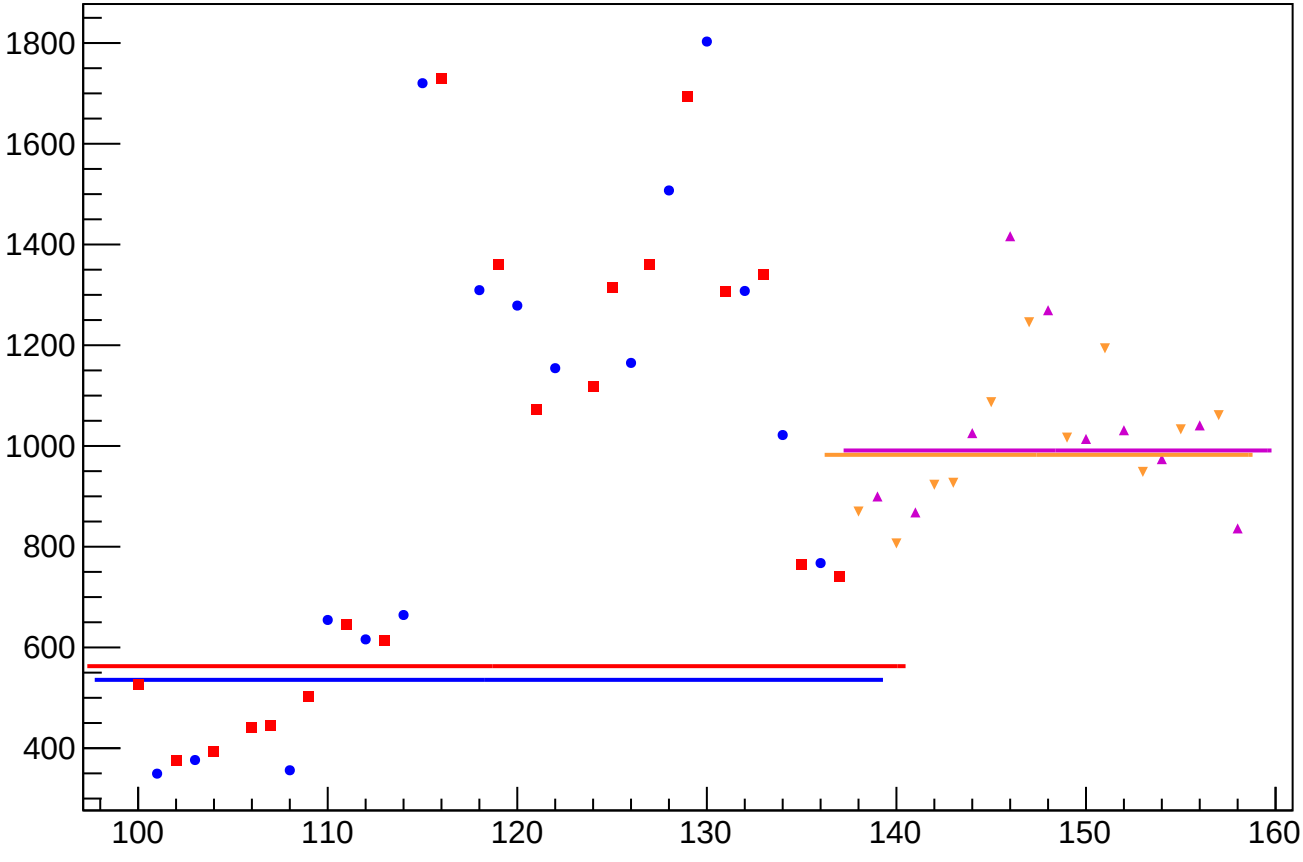
Left In: -76.386+/-340.122 χ^2/NDF:16.0/9

+ sign 274.870+/-190.352 χ^2/NDF: 37.1/26

All: 99.267+/-135.089 χ^2/NDF: 70.8/55

- sign -78.916+/-191.746 χ^2/NDF: 32.0/28

asym_sam6_reg_correction_rms vs Slug



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 982.424+/-0.238 χ^2/NDF:272501.5/10

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

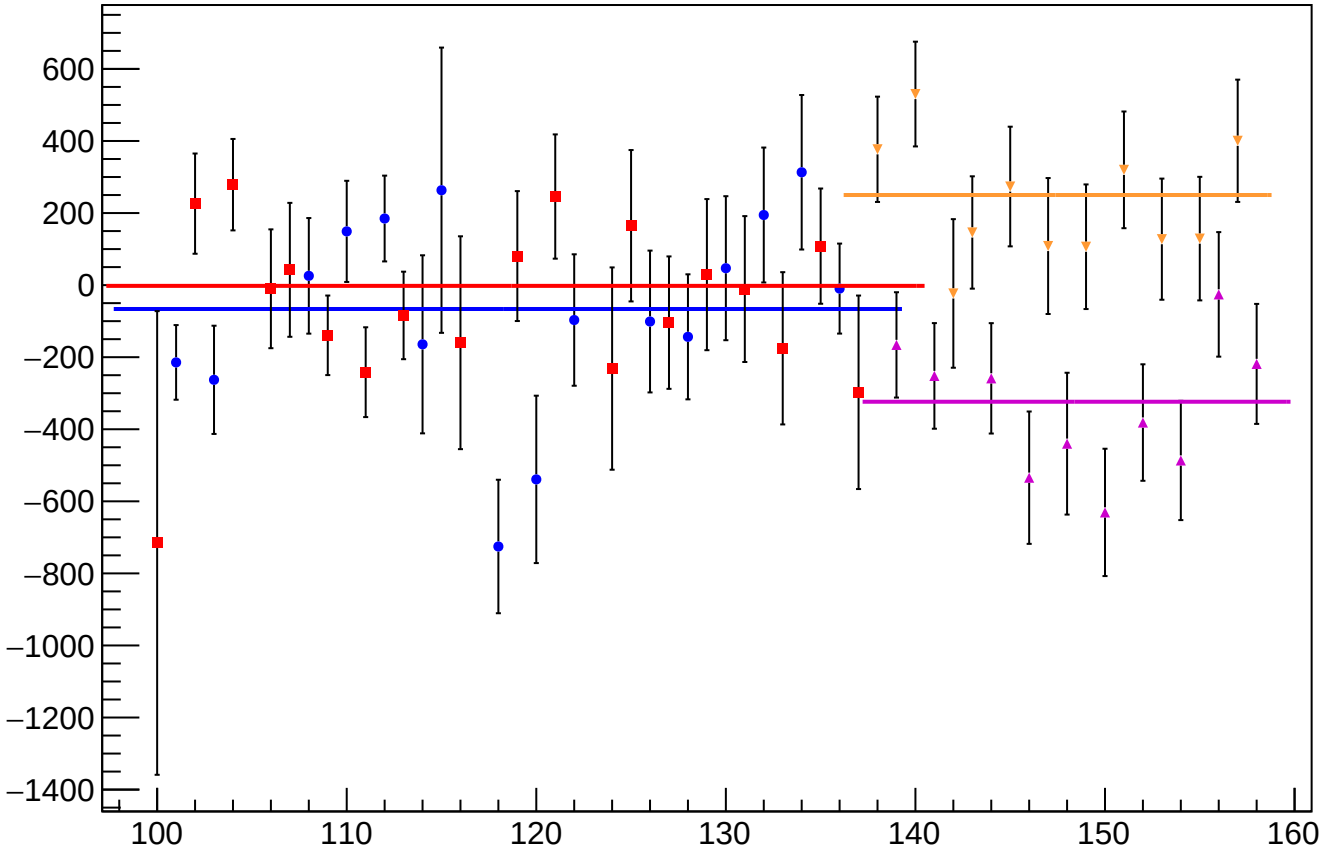
Left In: 991.074+/-0.241 χ^2/NDF:362122.1/9

+ sign 678.182+/-0.135 χ^2/NDF: 6297896.3/26

All: 688.488+/-0.096 χ^2/NDF: 11945638.2/55

- sign 698.945+/-0.136 χ^2/NDF: 5635931.1/28

cor_asym_sam6_mean vs Slug



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 250.093+/-50.068 χ^2/NDF:9.9/10

Right Out: -2.062+/-38.937 χ^2/NDF: 21.1/18

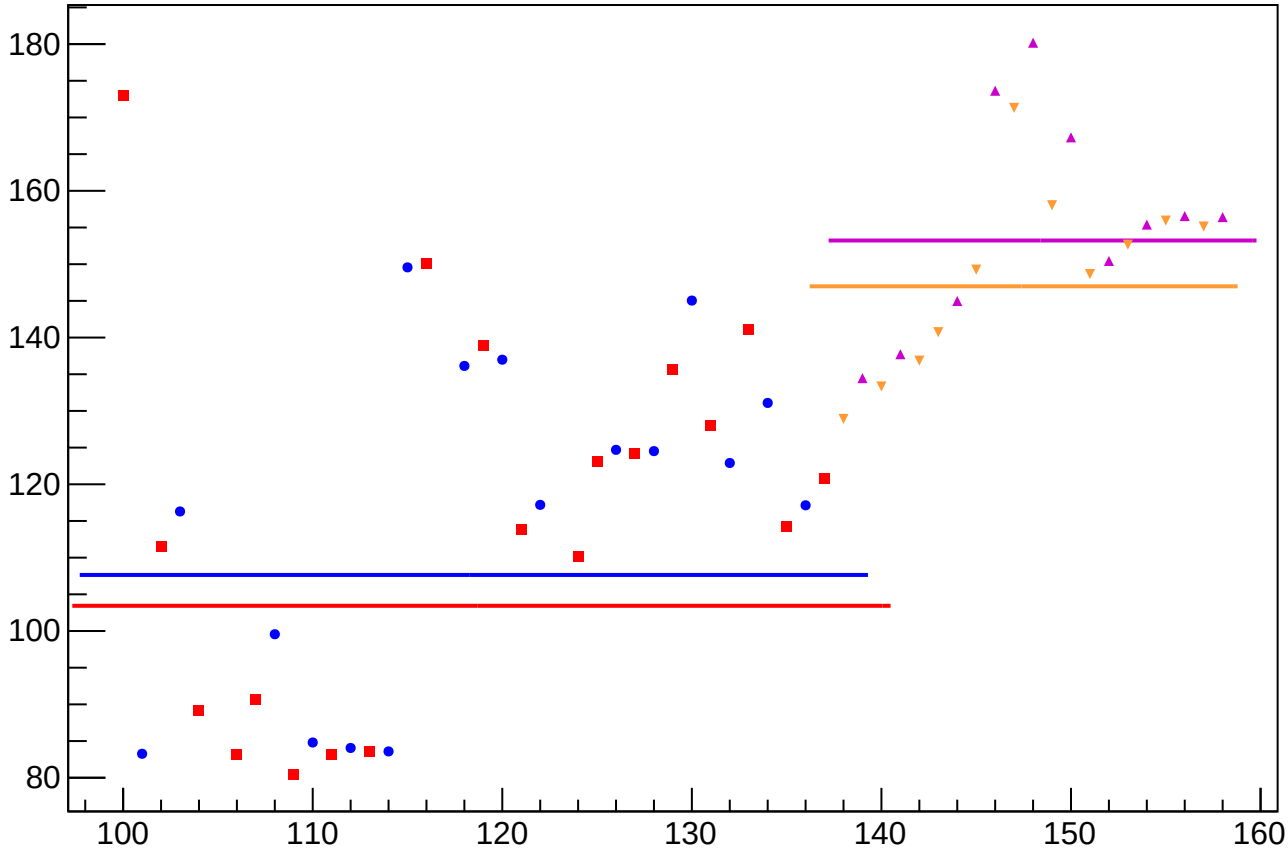
Left In: -323.643+/-52.140 χ^2/NDF:10.7/9

+ sign 60.494+/-31.692 χ^2/NDF: 68.3/26

All: -29.747+/-22.233 χ^2/NDF: 140.5/55

- sign -117.193+/-31.197 χ^2/NDF: 56.3/28

cor_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 146.983+/-0.035 χ^2/NDF:110637.4/10

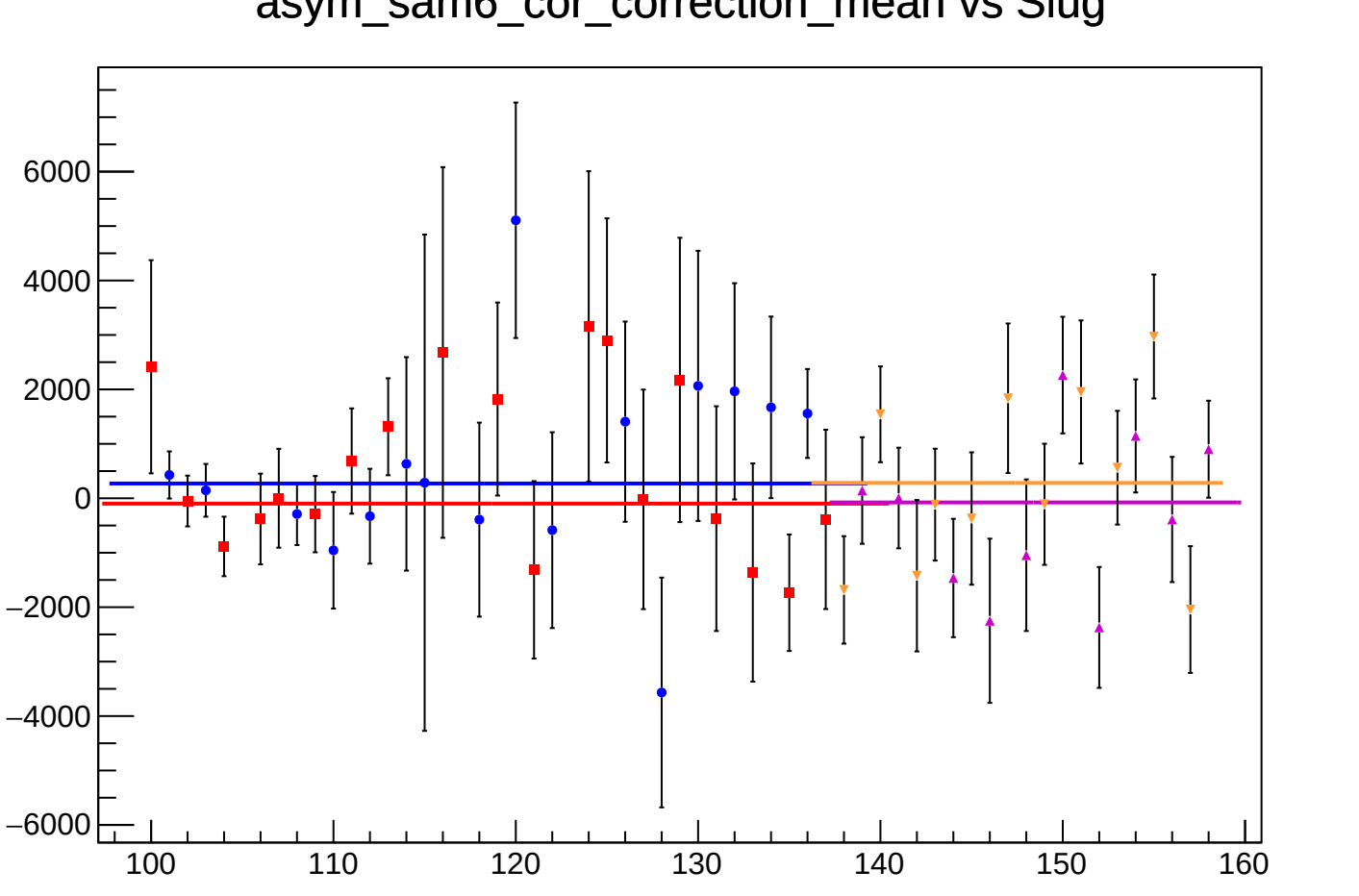
Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 153.229+/-0.037 χ^2/NDF:138470.7/9

+ sign 123.406+/-0.022 χ^2/NDF: 1383448.1/26

All: 122.318+/-0.016 χ^2/NDF: 3322226.2/55

- sign 121.264+/-0.022 χ^2/NDF: 1934137.5/28



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 282.065+/-337.039 χ^2/NDF:20.6/10

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

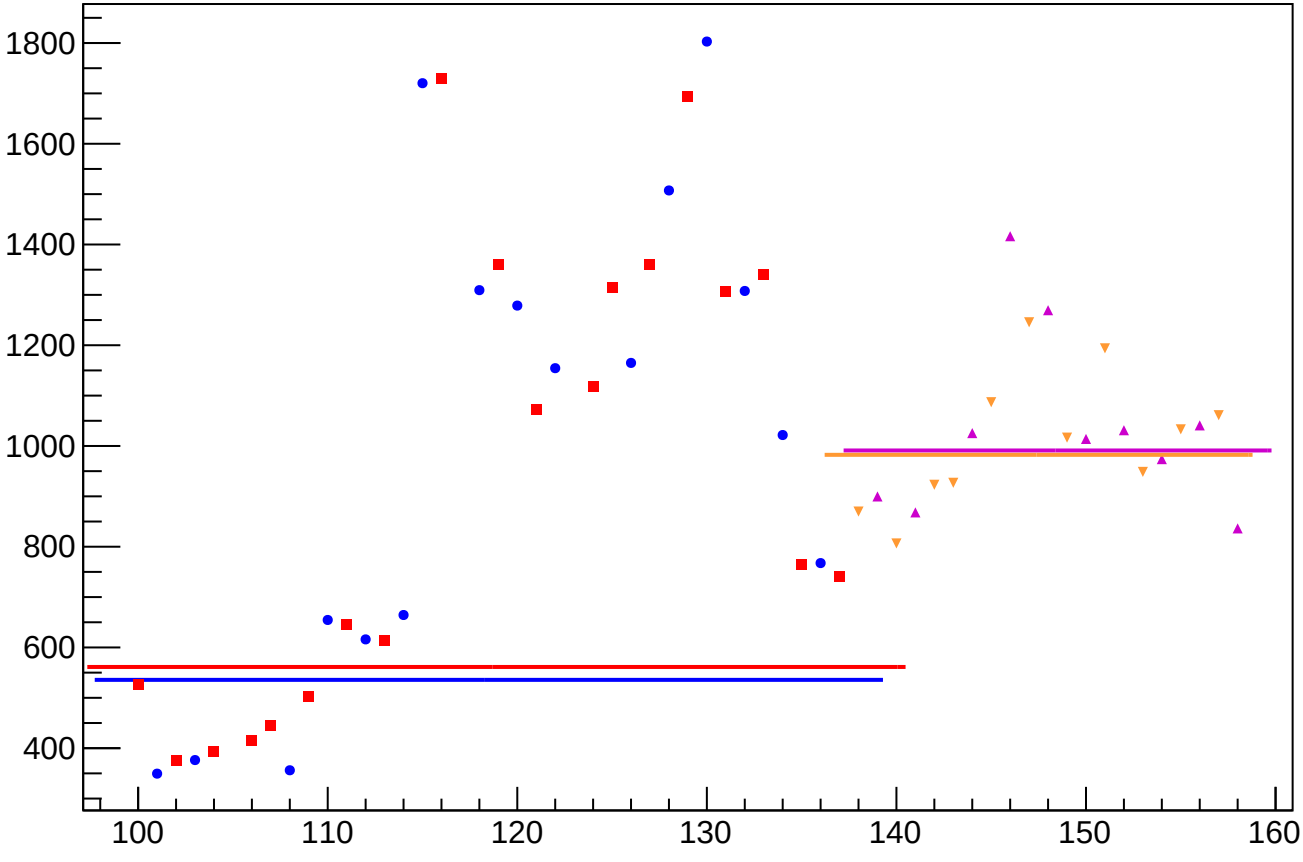
Left In: -76.381+/-340.122 χ^2/NDF:16.0/9

+ sign 274.969+/-190.349 χ^2/NDF: 37.1/26

All: 93.659+/-135.211 χ^2/NDF: 71.0/55

- sign -90.999+/-192.098 χ^2/NDF: 32.1/28

asym_sam6_cor_correction_rms vs Slug



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 982.424+/-0.238 χ^2/NDF:272502.1/10

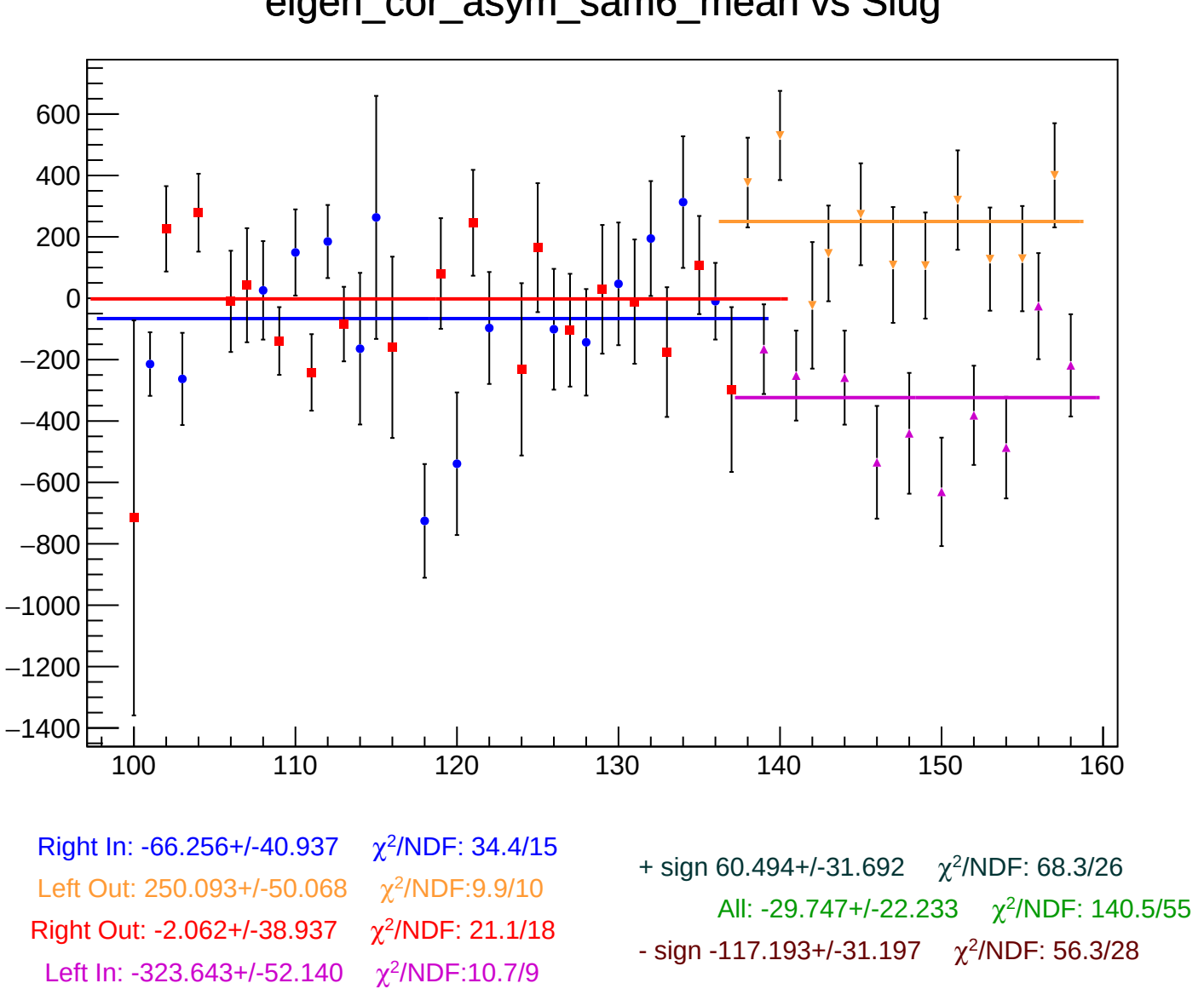
Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 991.074+/-0.241 χ^2/NDF:362121.5/9

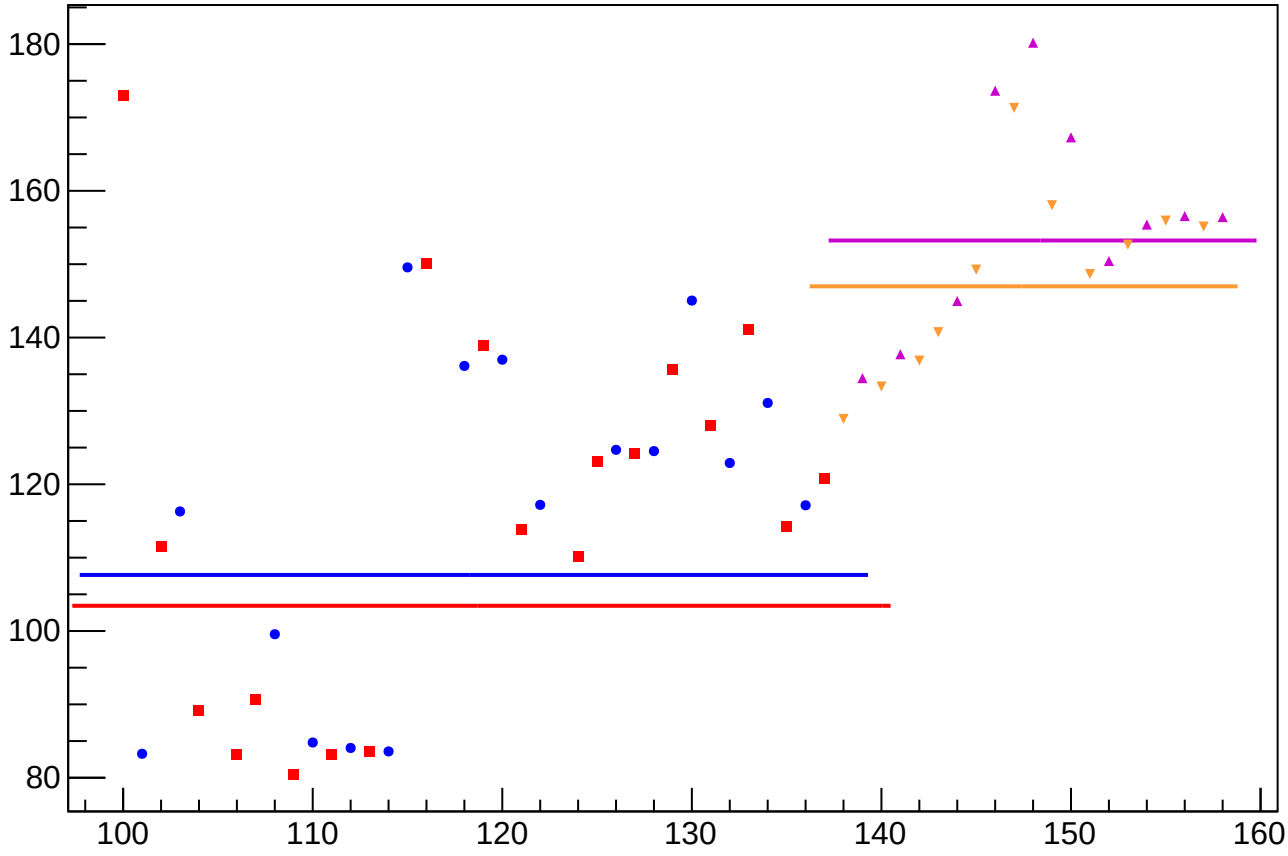
+ sign 678.162+/-0.135 χ^2/NDF: 6298378.6/26

All: 688.175+/-0.096 χ^2/NDF: 11977415.9/55

- sign 698.374+/-0.136 χ^2/NDF: 5667865.5/28


eigen_cor_asym_sam6_mean vs Slug
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
100
110
120
130
140
150
160
Right In: -66.256+/-40.937 χ²/NDF: 34.4/15
Left Out: 250.093+/-50.068 χ²/NDF:9.9/10
Right Out: -2.062+/-38.937 χ²/NDF: 21.1/18
Left In: -323.643+/-52.140 χ²/NDF:10.7/9
+ sign 60.494+/-31.692 χ²/NDF: 68.3/26
All: -29.747+/-22.233 χ²/NDF: 140.5/55
- sign -117.193+/-31.197 χ²/NDF: 56.3/28

eigen_cor_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 146.983+/-0.035 χ^2/NDF:110637.4/10

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

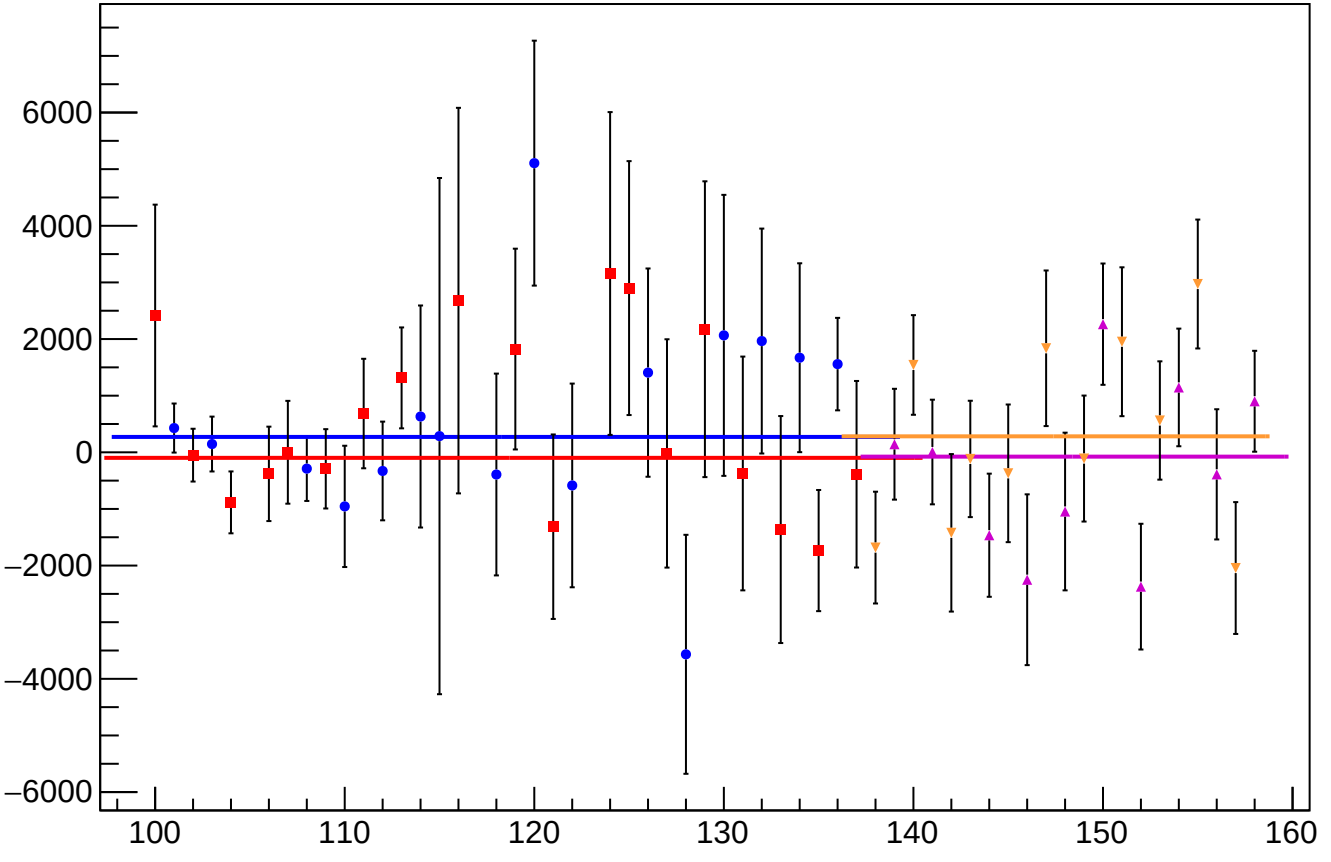
Left In: 153.229+/-0.037 χ^2/NDF:138470.7/9

+ sign 123.406+/-0.022 χ^2/NDF: 1383448.1/26

All: 122.318+/-0.016 χ^2/NDF: 3322226.2/55

- sign 121.264+/-0.022 χ^2/NDF: 1934137.5/28

asym_sam6_eigen_cor_correction_mean vs Slug



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 282.065+/-337.039 χ^2/NDF:20.6/10

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

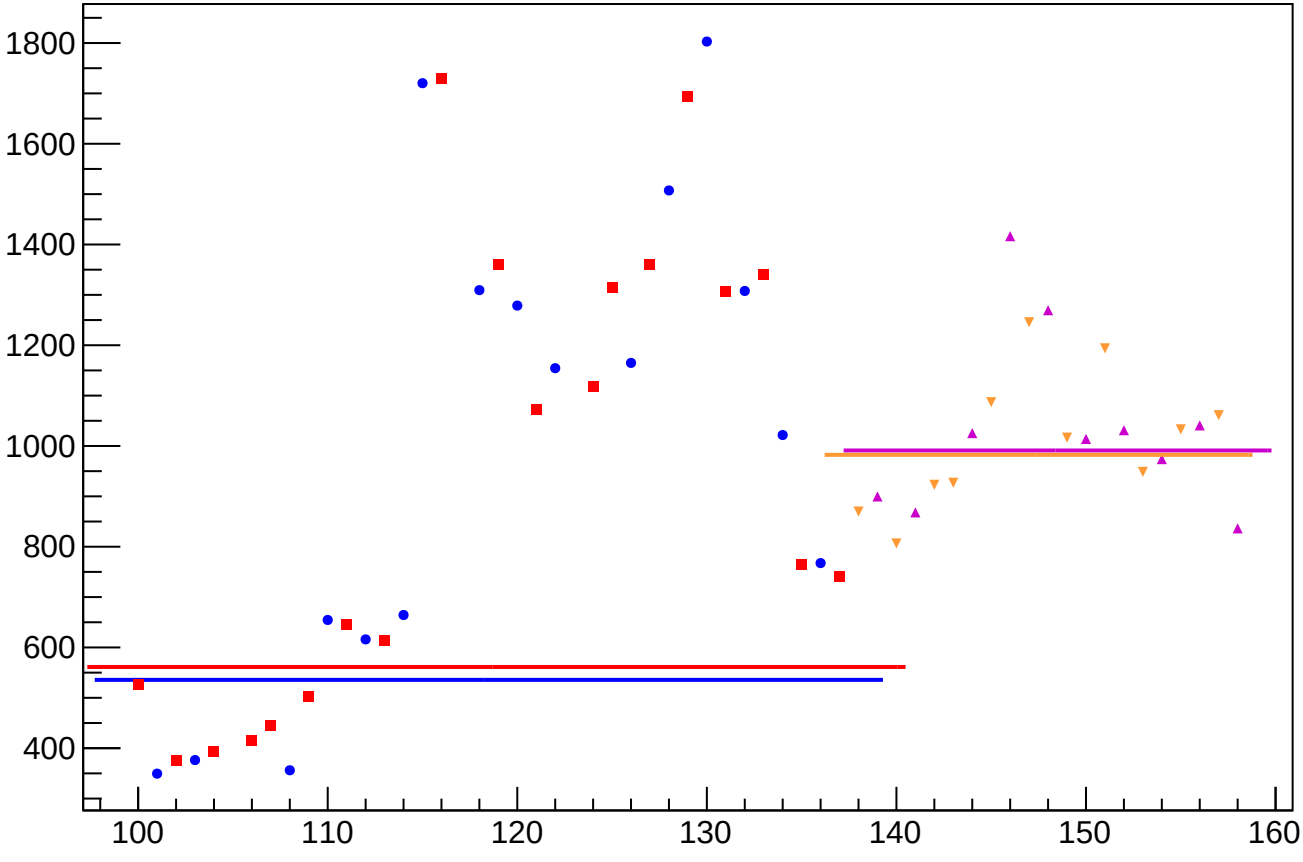
Left In: -76.381+/-340.122 χ^2/NDF:16.0/9

+ sign 274.969+/-190.349 χ^2/NDF: 37.1/26

All: 93.659+/-135.211 χ^2/NDF: 71.0/55

- sign -90.999+/-192.098 χ^2/NDF: 32.1/28

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 982.424+/-0.238 χ^2/NDF:272502.1/10

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

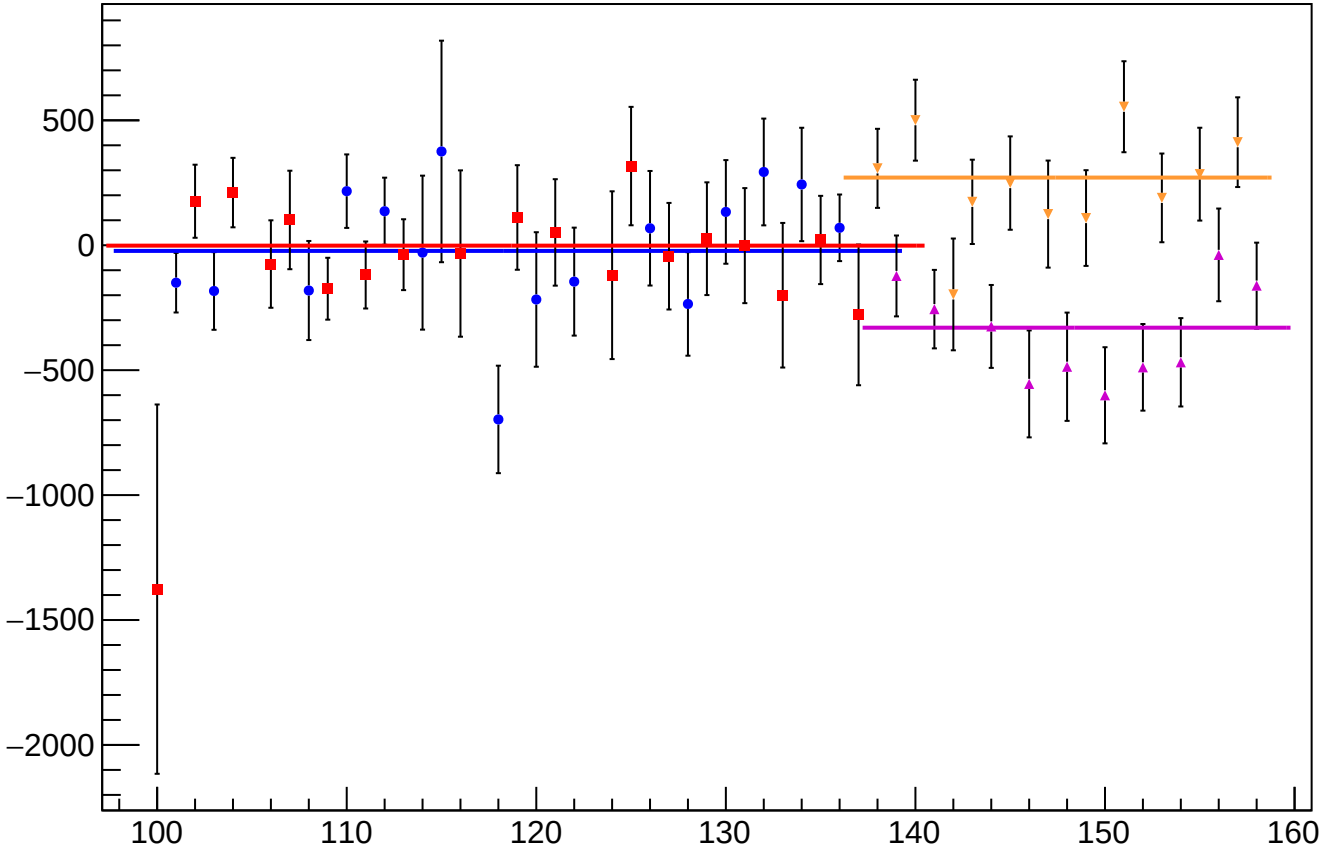
Left In: 991.074+/-0.241 χ^2/NDF:362121.5/9

+ sign 678.162+/-0.135 χ^2/NDF: 6298378.6/26

All: 688.175+/-0.096 χ^2/NDF: 11977415.9/55

- sign 698.374+/-0.136 χ^2/NDF: 5667865.5/28

dit_asym_sam6_mean vs Slug



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 270.843+/-54.820 χ^2/NDF:11.2/10

Right Out: -1.600+/-43.563 χ^2/NDF: 14.3/18

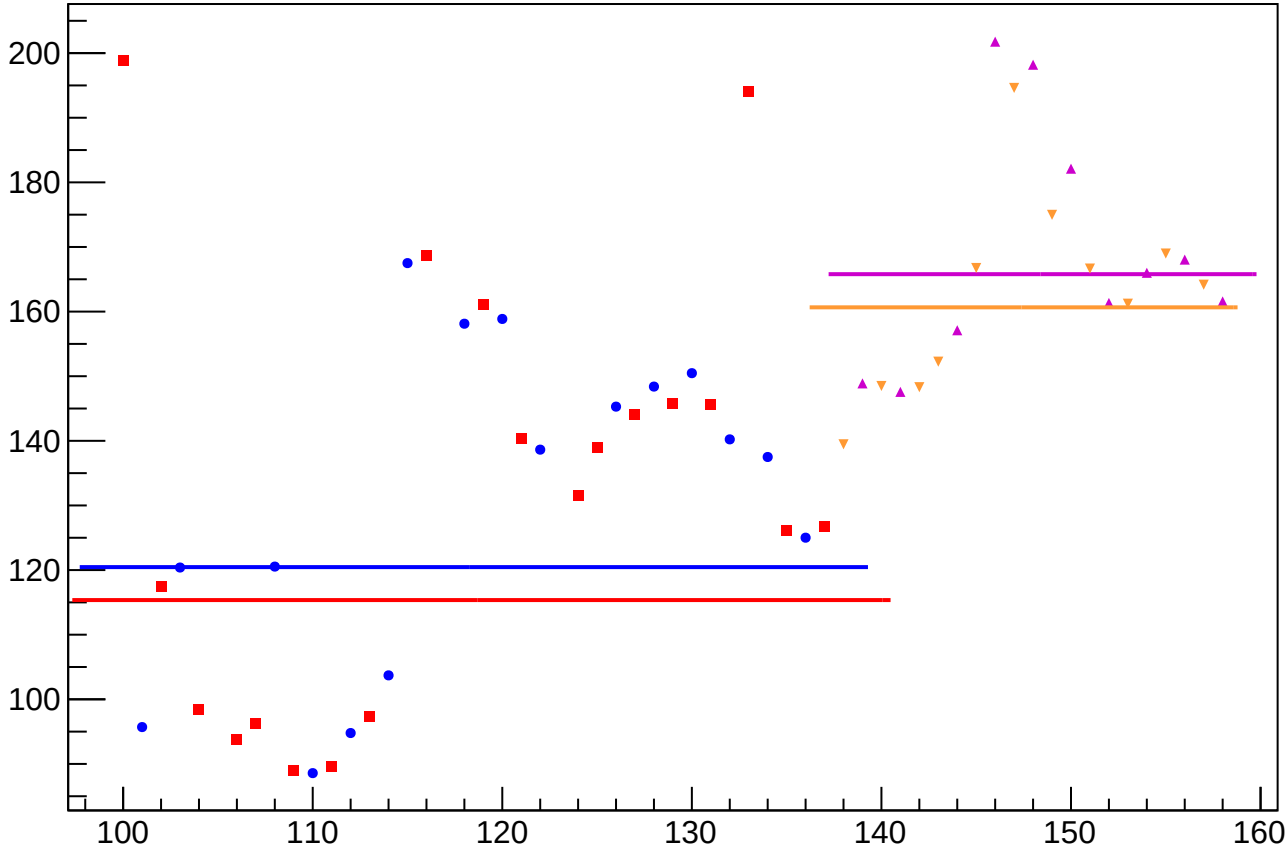
Left In: -330.012+/-56.498 χ^2/NDF:10.3/9

+ sign 98.316+/-35.197 χ^2/NDF: 52.3/26

All: -15.092+/-24.637 χ^2/NDF: 118.4/55

- sign -124.049+/-34.499 χ^2/NDF: 45.8/28

dit_asym_sam6_rms vs Slug



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 160.658+/-0.039 χ^2/NDF:128758.8/10

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

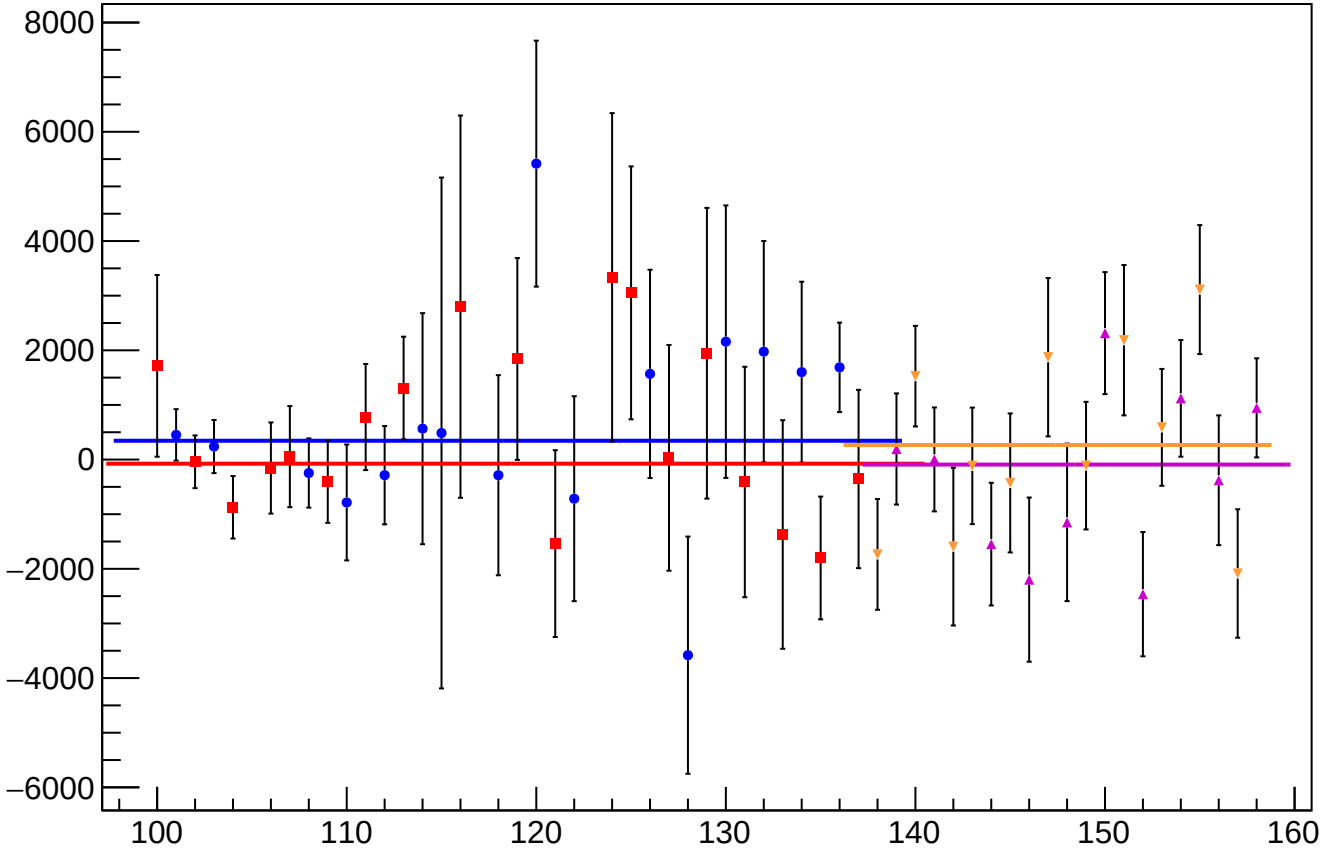
Left In: 165.792+/-0.040 χ^2/NDF:172673.0/9

+ sign 137.029+/-0.025 χ^2/NDF: 1291237.9/26

All: 135.567+/-0.017 χ^2/NDF: 3237445.2/55

- sign 134.162+/-0.024 χ^2/NDF: 1939436.8/28

asym_sam6_dit_correction_mean vs Slug



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: 266.842+/-349.578 χ^2/NDF:21.0/10

Right Out: -75.434+/-240.479 χ^2/NDF: 15.3/18

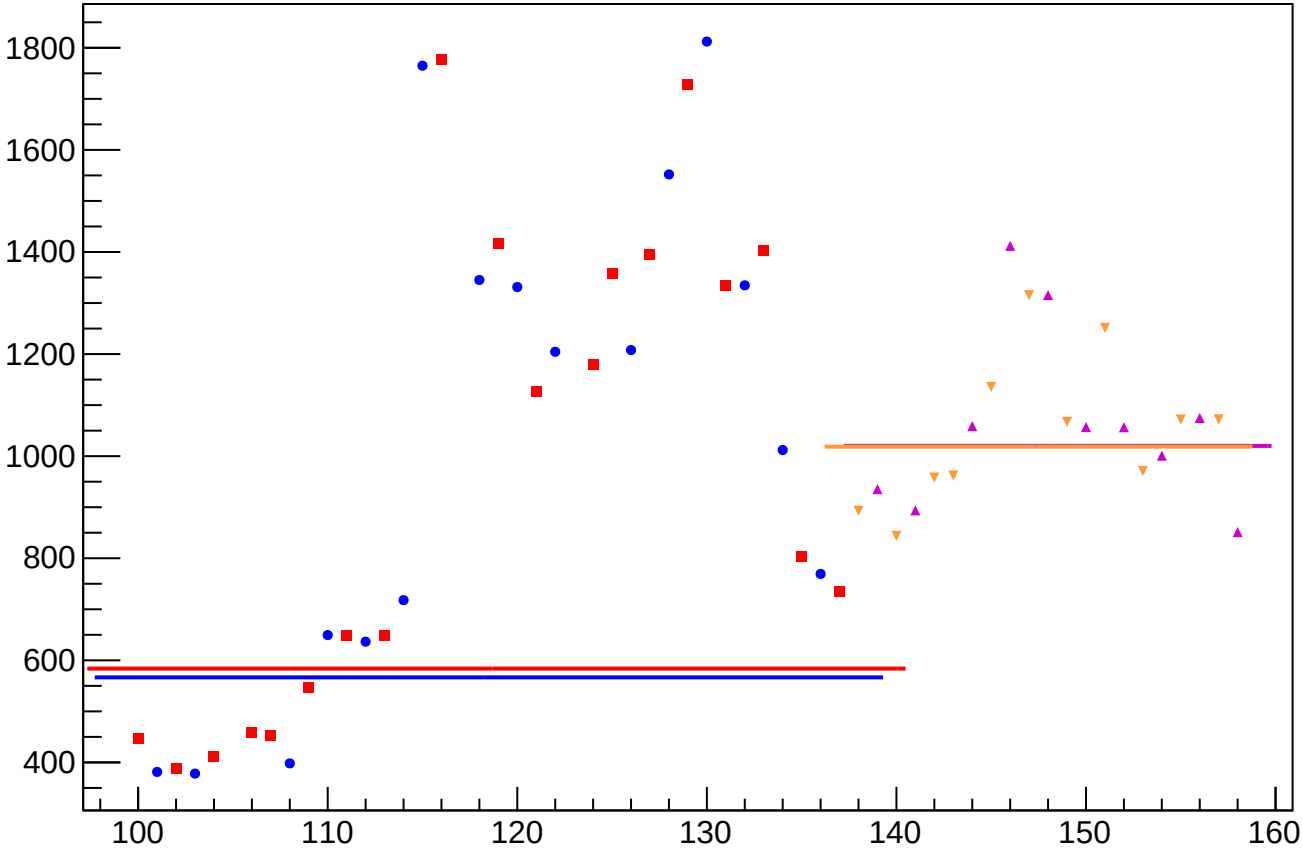
Left In: -91.506+/-349.939 χ^2/NDF:15.9/9

+ sign 319.364+/-198.714 χ^2/NDF: 37.3/26

All: 118.862+/-140.327 χ^2/NDF: 70.5/55

- sign -80.589+/-198.192 χ^2/NDF: 31.2/28

asym_sam6_dit_correction_rms vs Slug



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 1018.586+/-0.247 χ^2/NDF:285554.0/10

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

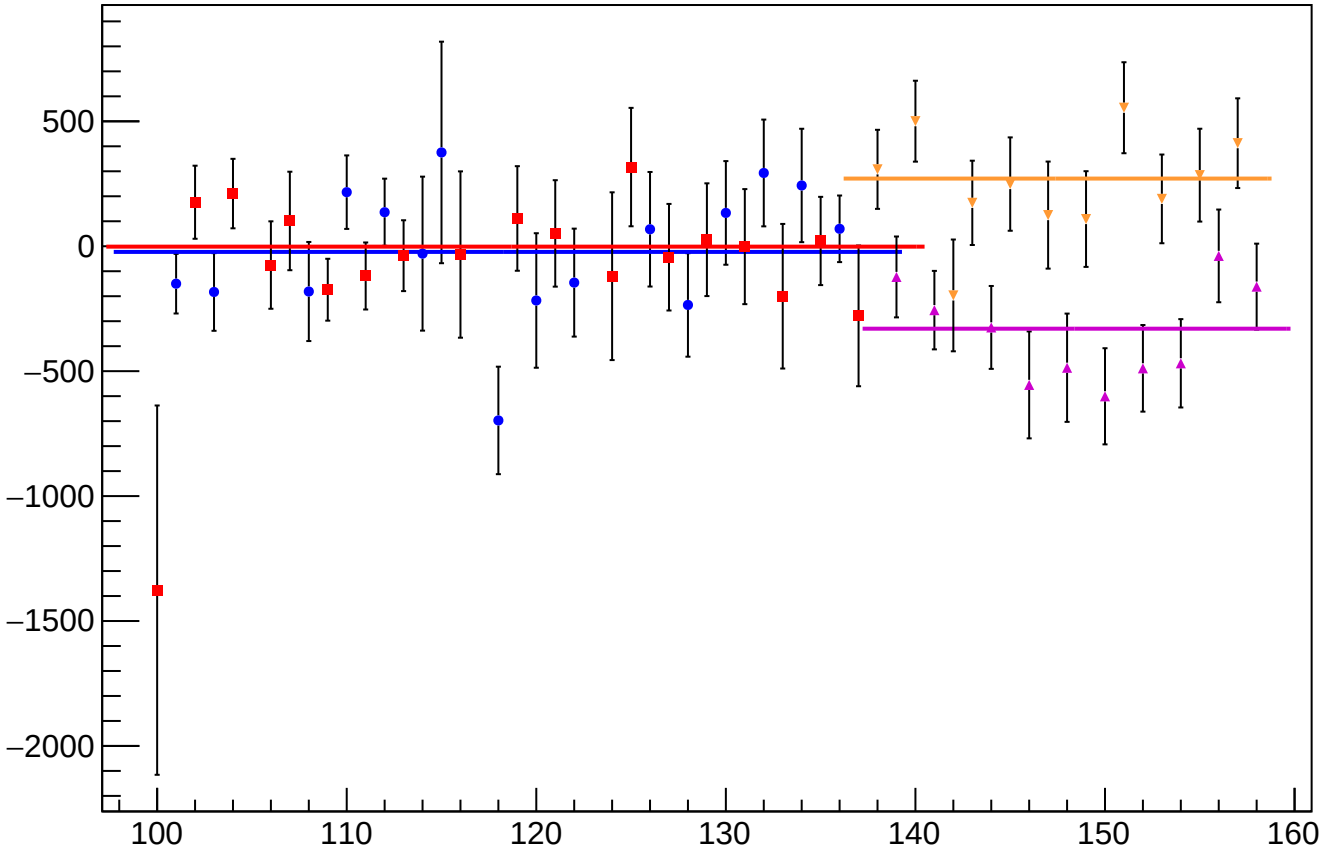
Left In: 1020.073+/-0.247 χ^2/NDF:350024.2/9

+ sign 712.650+/-0.141 χ^2/NDF: 5981047.9/26

All: 718.209+/-0.099 χ^2/NDF: 11553219.3/55

- sign 723.738+/-0.140 χ^2/NDF: 5569049.6/28

eigen_dit_asym_sam6_mean vs Slug



Right In: -22.680+/-45.908 χ^2/NDF: 24.2/15

Left Out: 270.844+/-54.820 χ^2/NDF:11.2/10

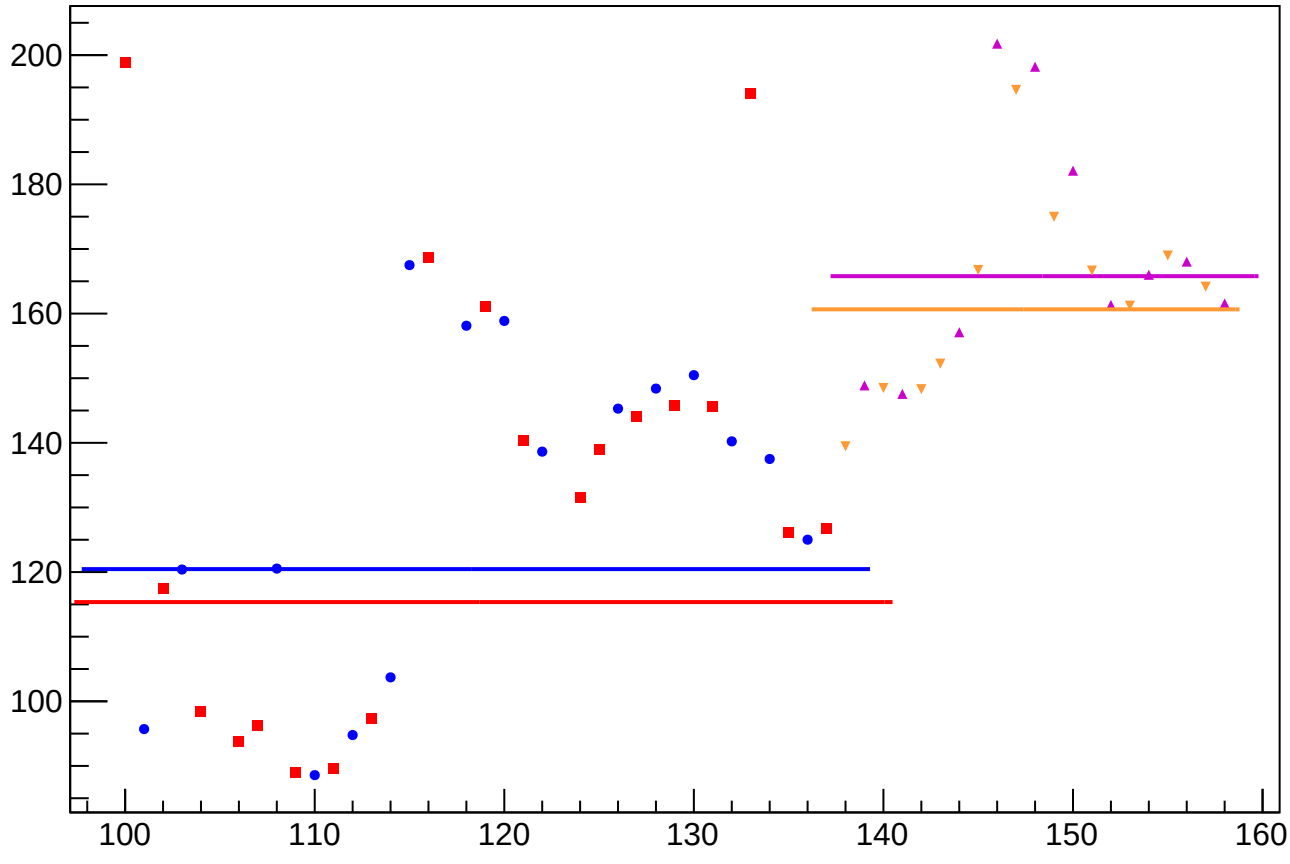
Right Out: -1.601+/-43.563 χ^2/NDF: 14.3/18

Left In: -330.012+/-56.498 χ^2/NDF:10.3/9

+ sign 98.315+/-35.196 χ^2/NDF: 52.3/26

All: -15.093+/-24.637 χ^2/NDF: 118.4/55

- sign -124.050+/-34.499 χ^2/NDF: 45.8/28



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 160.658+/-0.039 χ^2/NDF:128757.9/10

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

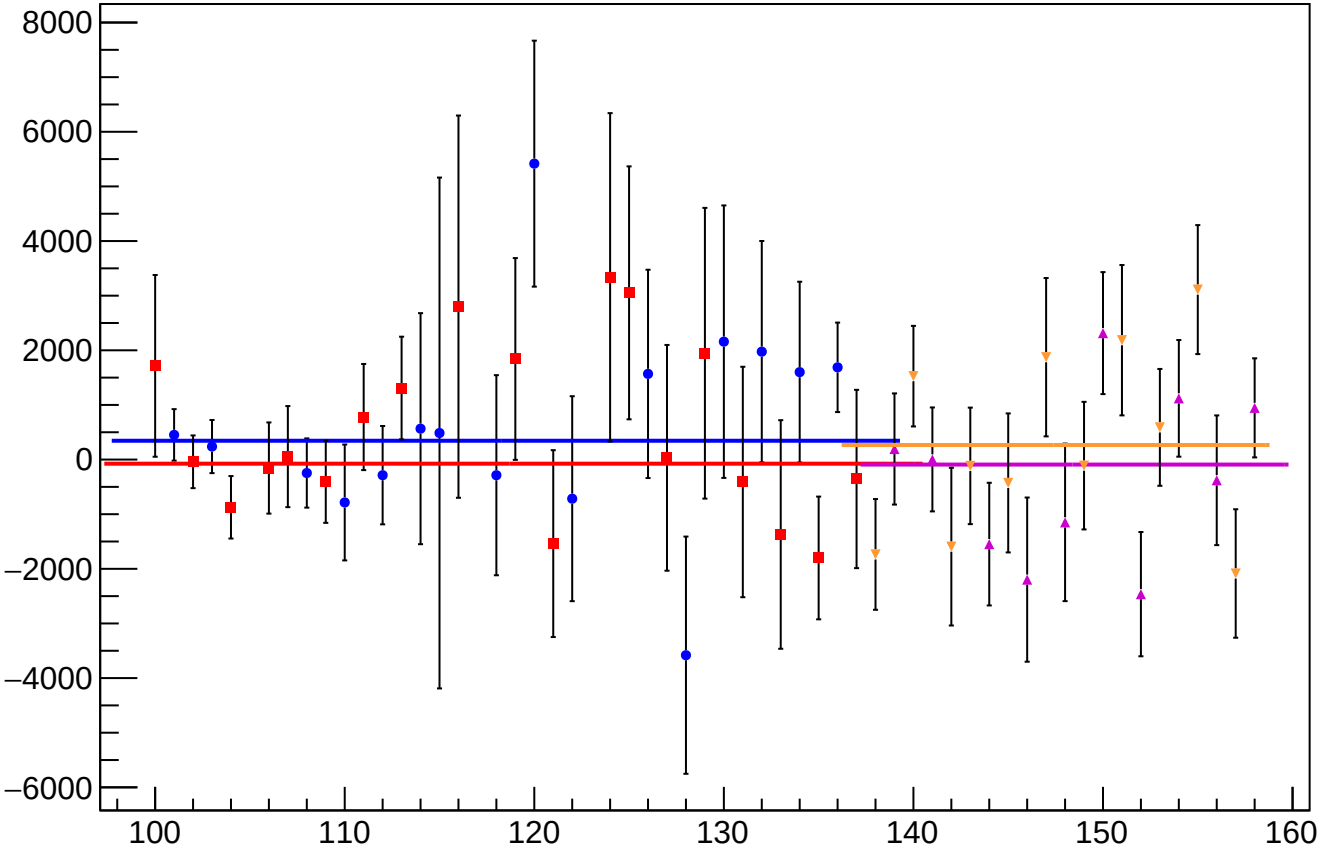
Left In: 165.792+/-0.040 χ^2/NDF:172673.4/9

+ sign 137.029+/-0.025 χ^2/NDF: 1291244.3/26

All: 135.567+/-0.017 χ^2/NDF: 3237454.6/55

- sign 134.162+/-0.024 χ^2/NDF: 1939440.0/28

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: 266.844+/-349.578 χ^2/NDF:21.0/10

Right Out: -75.435+/-240.479 χ^2/NDF: 15.3/18

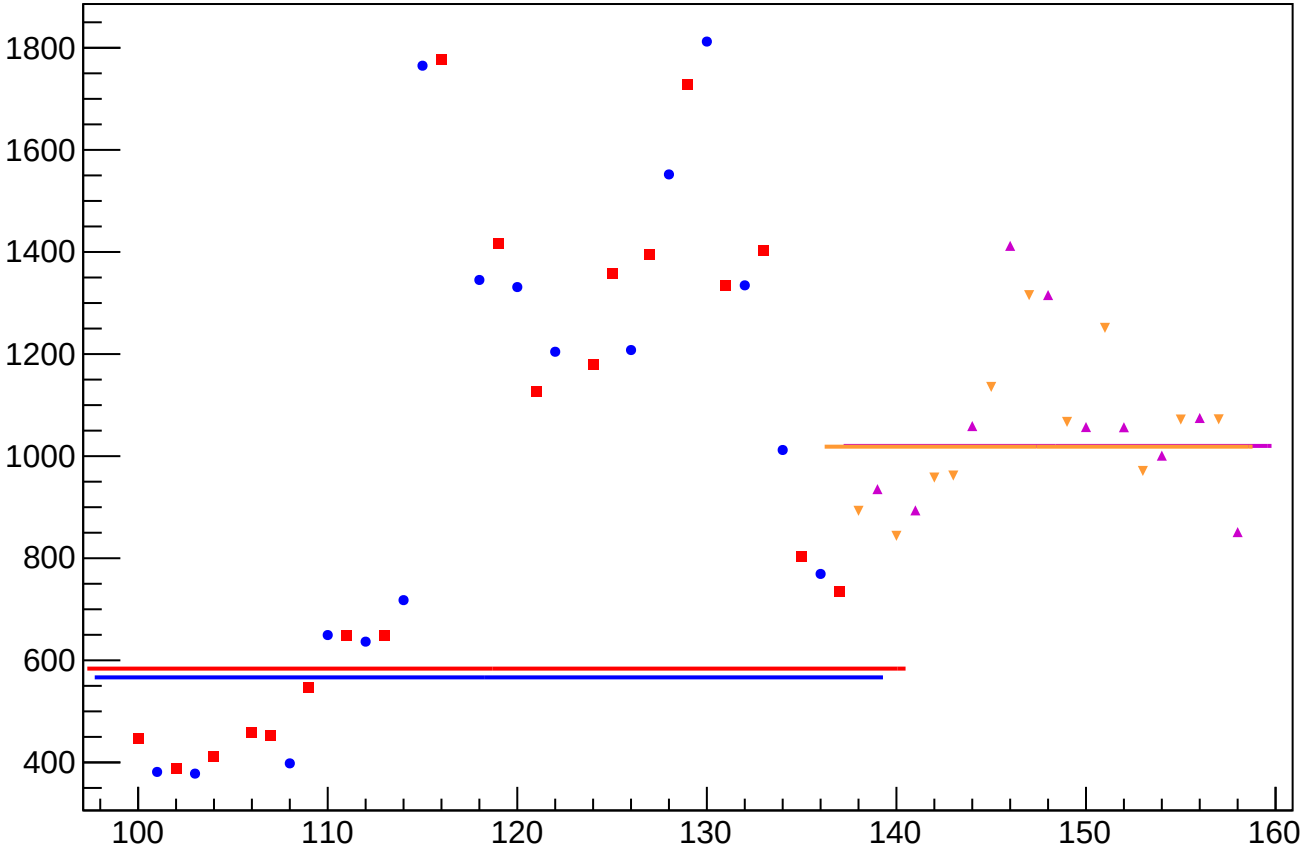
Left In: -91.505+/-349.939 χ^2/NDF:15.9/9

+ sign 319.364+/-198.714 χ^2/NDF: 37.3/26

All: 118.862+/-140.327 χ^2/NDF: 70.5/55

- sign -80.590+/-198.192 χ^2/NDF: 31.2/28

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 1018.586+/-0.247 χ^2/NDF:285555.0/10

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

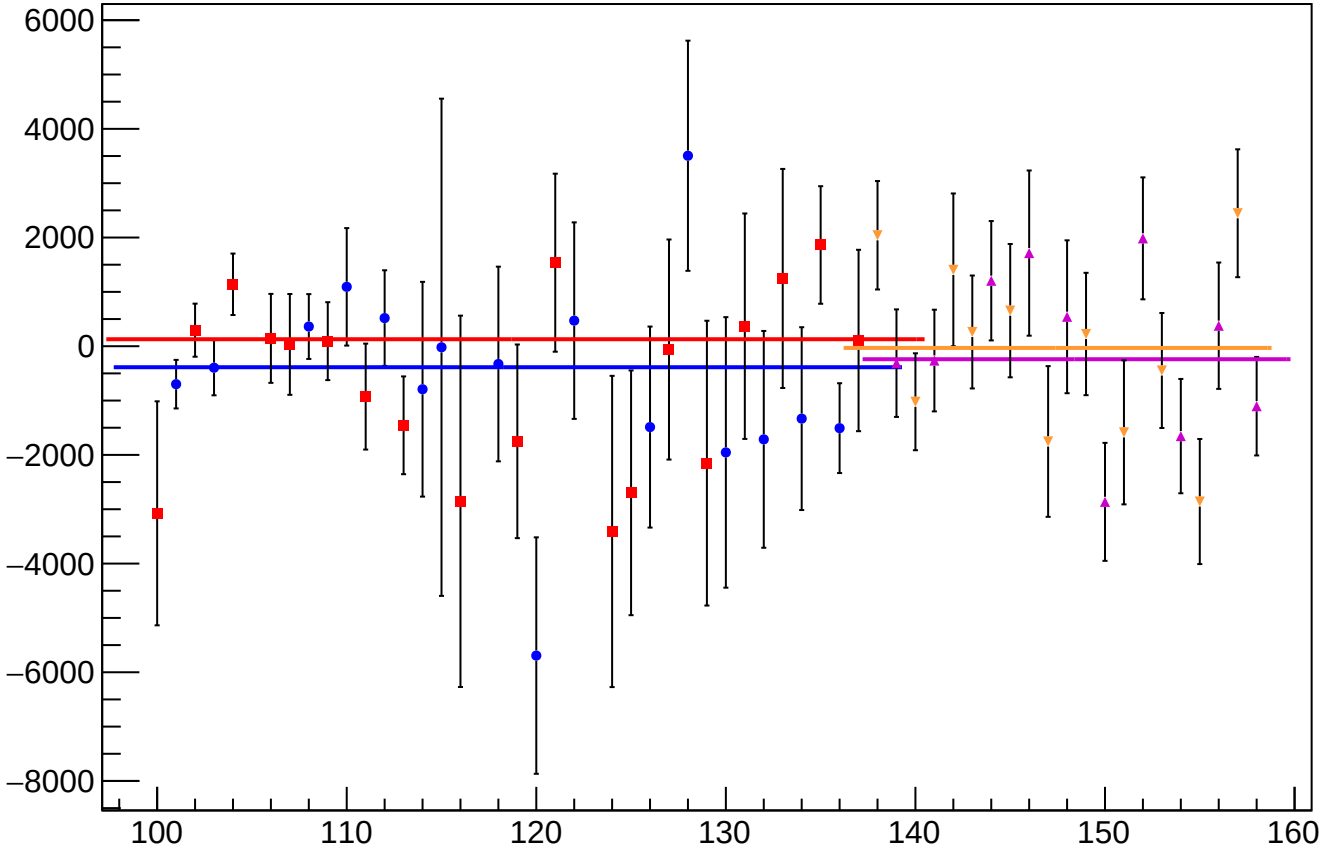
Left In: 1020.073+/-0.247 χ^2/NDF:350026.9/9

+ sign 712.649+/-0.141 χ^2/NDF: 5981062.0/26

All: 718.208+/-0.099 χ^2/NDF: 11553239.7/55

- sign 723.737+/-0.140 χ^2/NDF: 5569055.9/28

asym_sam6_mean vs Slug



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: -31.502+/-340.883 χ^2/NDF:20.6/10

Right Out: 128.583+/-238.241 χ^2/NDF: 19.4/18

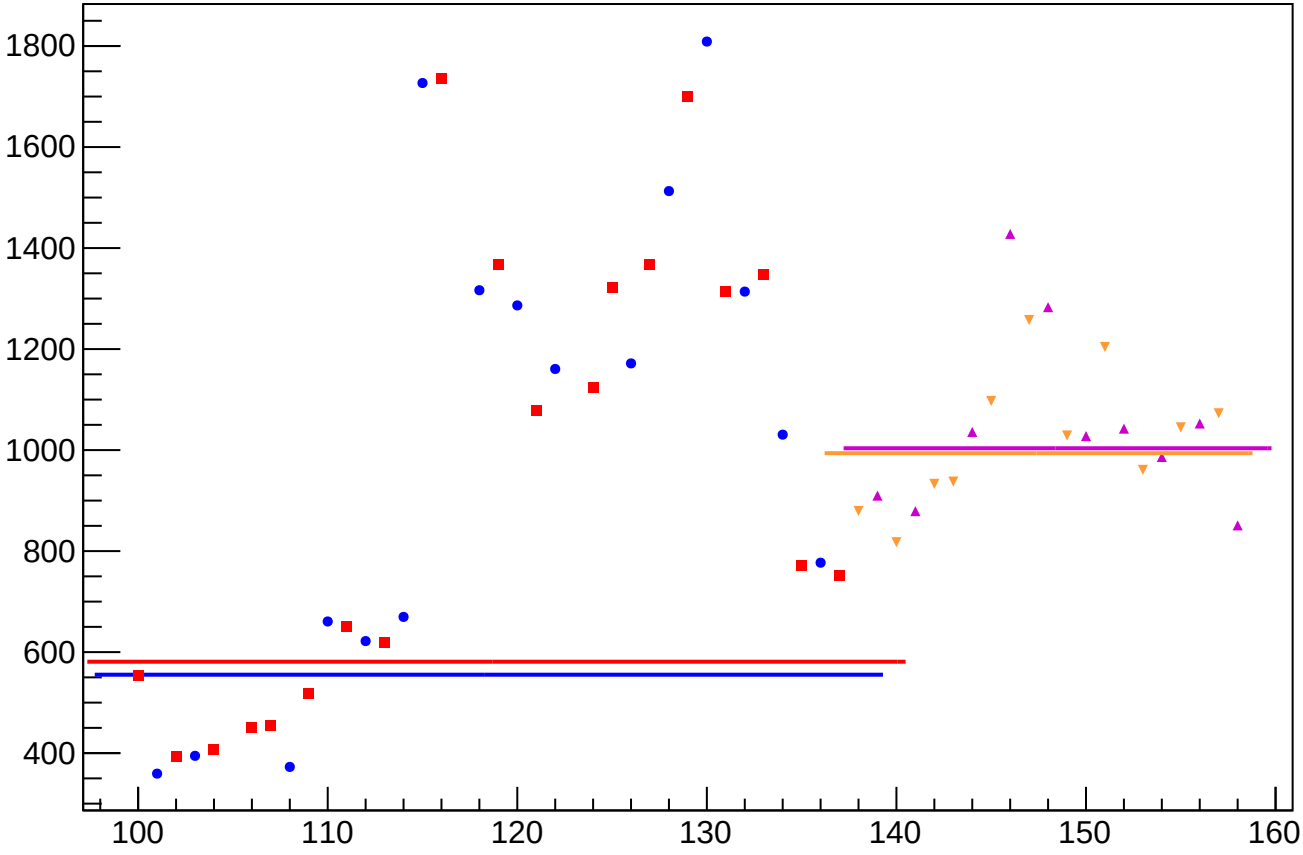
Left In: -239.281+/-344.317 χ^2/NDF:16.5/9

+ sign -270.489+/-194.881 χ^2/NDF: 39.2/26

All: -131.243+/-138.166 χ^2/NDF: 76.9/55

- sign 9.485+/-195.915 χ^2/NDF: 36.6/28

asym_sam6_rms vs Slug



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 993.863+/-0.241 χ^2/NDF:267752.5/10

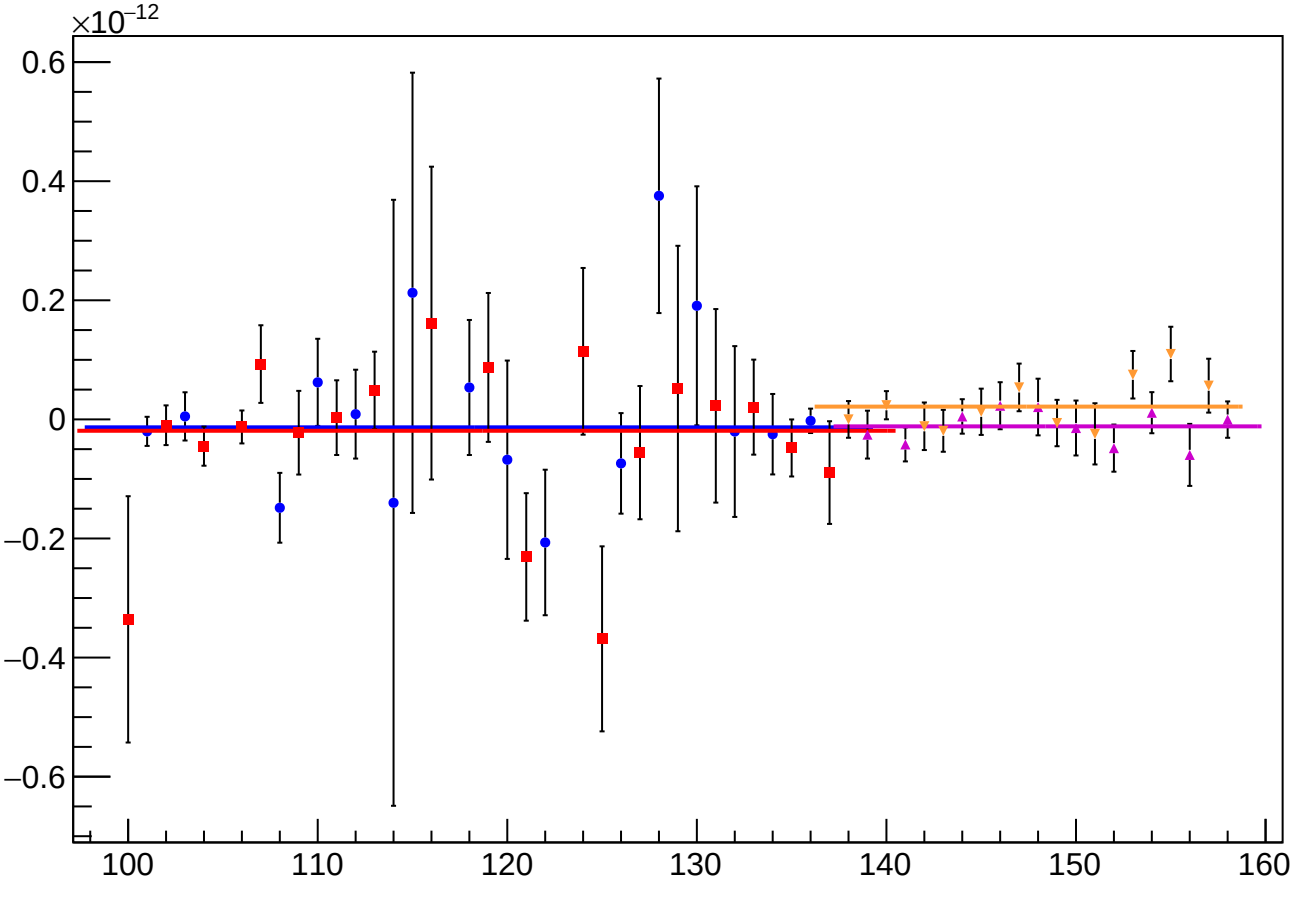
Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 1003.623+/-0.243 χ^2/NDF:354128.5/9

+ sign 698.632+/-0.138 χ^2/NDF: 5978829.6/26

All: 708.177+/-0.098 χ^2/NDF: 11363815.6/55

- sign 717.824+/-0.139 χ^2/NDF: 5375339.6/28



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/10

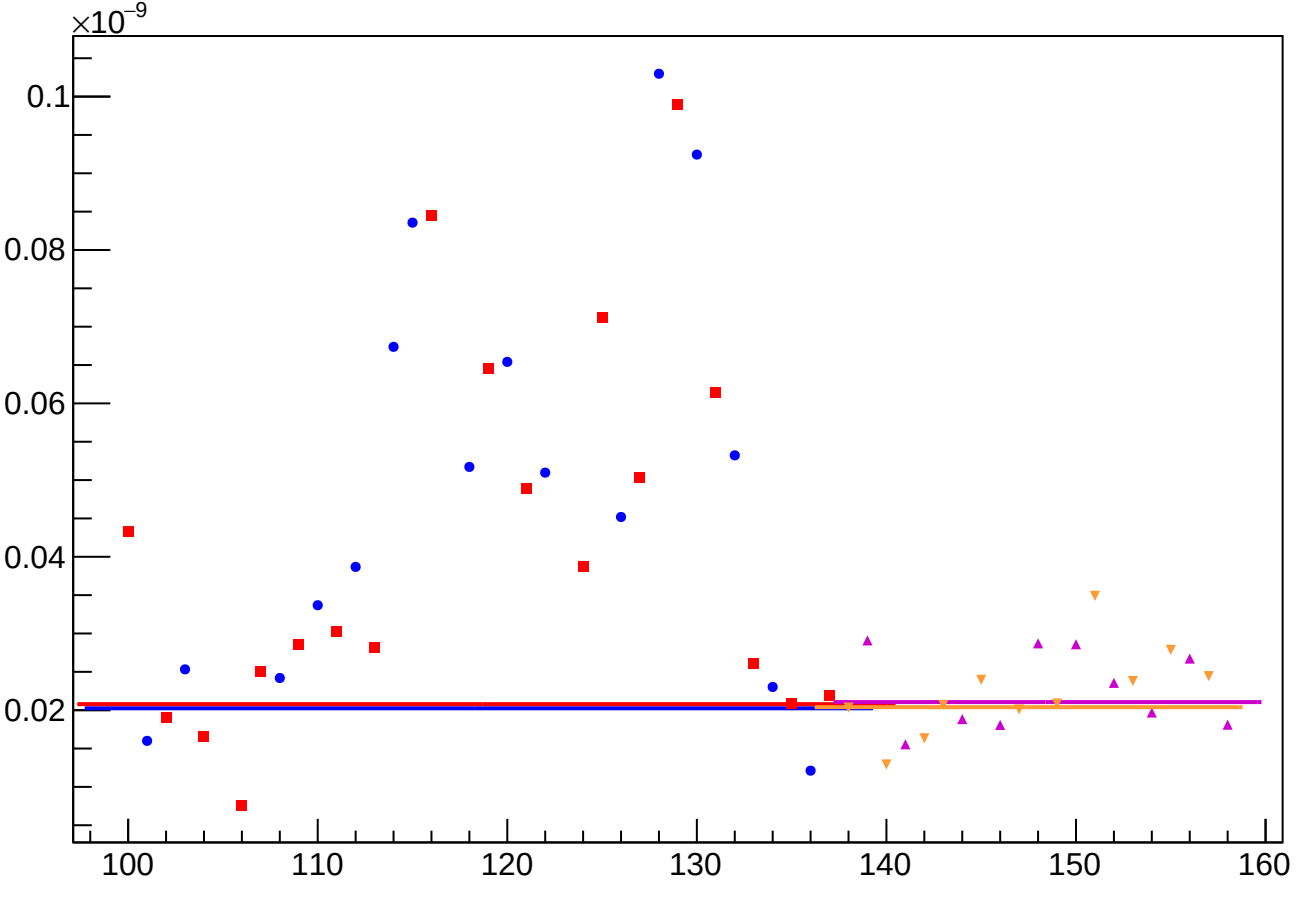
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:5.1/9

+ sign 0.000+/-0.000 χ^2/NDF: 30.7/26

All: -0.000+/-0.000 χ^2/NDF: 59.0/55

- sign -0.000+/-0.000 χ^2/NDF: 25.1/28



Right In: 0.000+/-0.000 χ^2/NDF: 2004678.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:480279.6/10

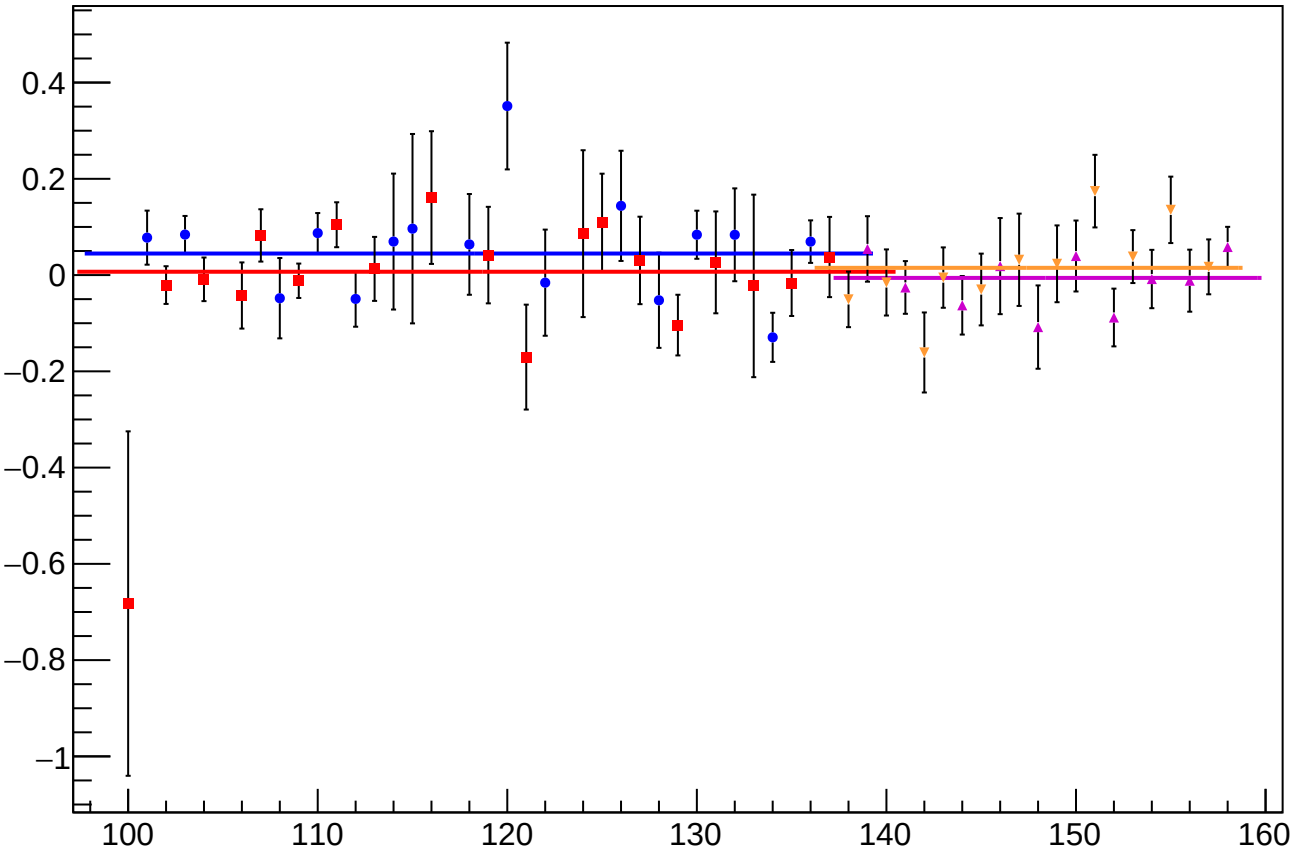
Right Out: 0.000+/-0.000 χ^2/NDF: 1855885.9/18

Left In: 0.000+/-0.000 χ^2/NDF:336090.1/9

+ sign 0.000+/-0.000 χ^2/NDF: 2485107.9/26

All: 0.000+/-0.000 χ^2/NDF: 4682608.3/55

- sign 0.000+/-0.000 χ^2/NDF: 2192427.8/28



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.015+/-0.020 χ^2/NDF:14.2/10

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

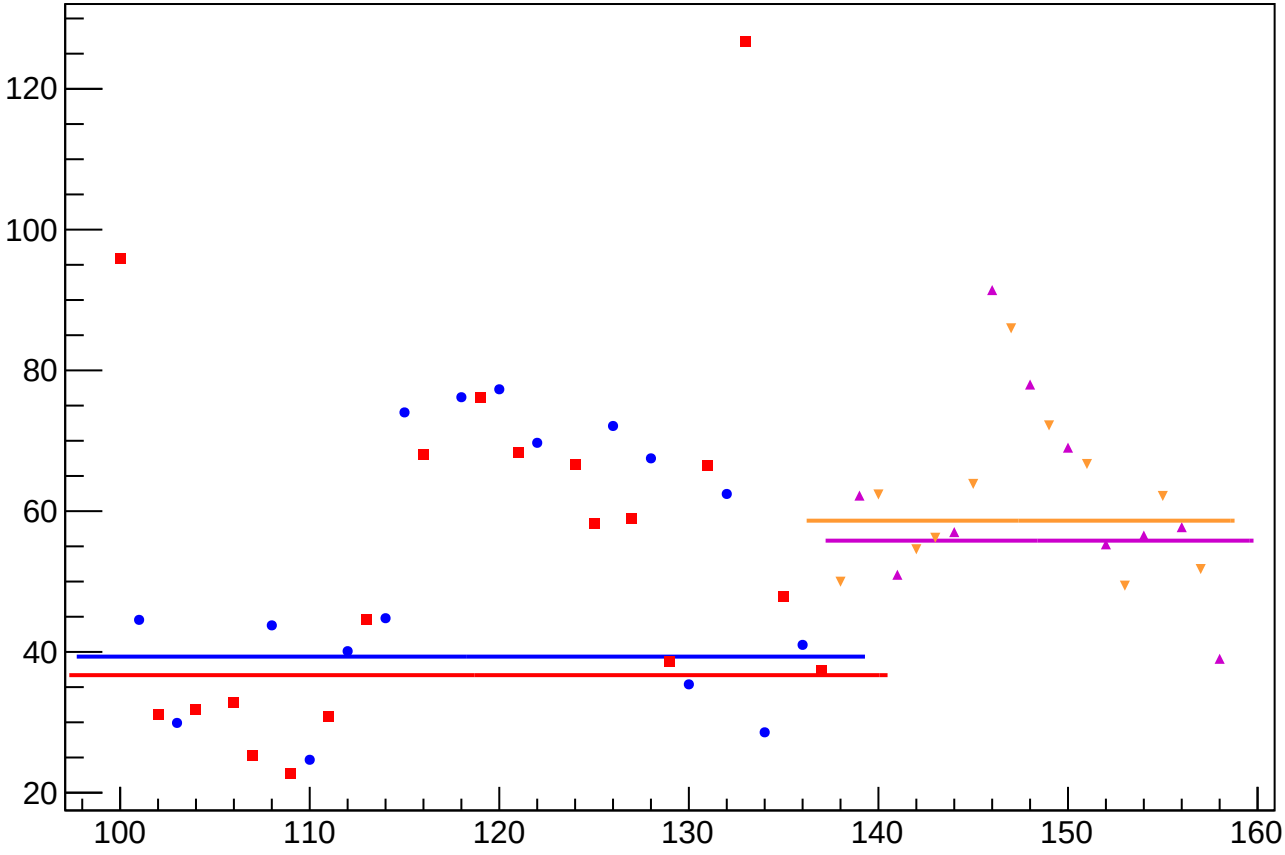
Left In: -0.006+/-0.020 χ^2/NDF:7.9/9

+ sign 0.033+/-0.013 χ^2/NDF: 42.1/26

All: 0.017+/-0.009 χ^2/NDF: 73.6/55

- sign 0.002+/-0.012 χ^2/NDF: 28.3/28

asym_sam6_dit_vs_cor_diff_rms vs Slug



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 58.649+/-0.014 χ^2/NDF:402081.8/10

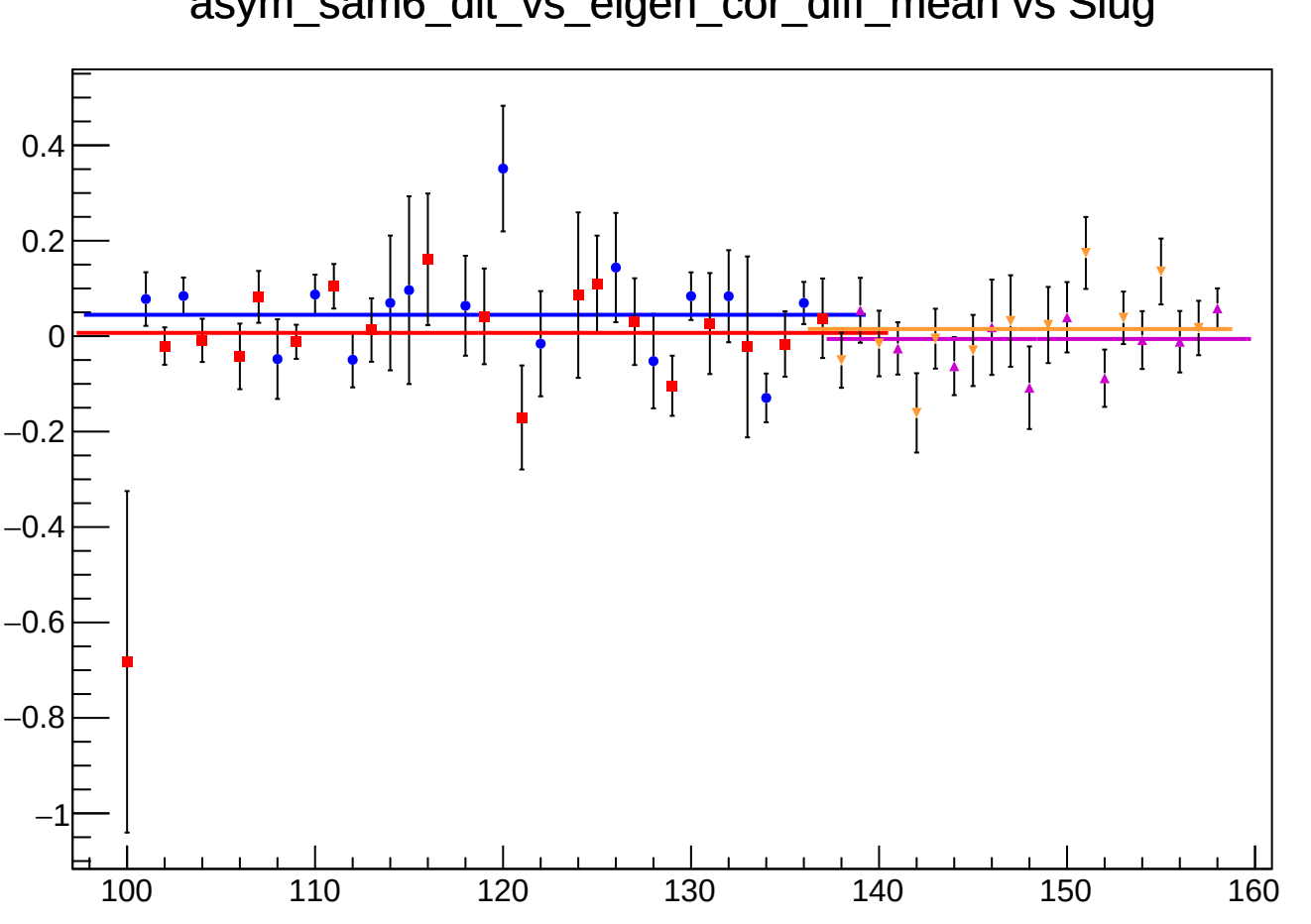
Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 55.810+/-0.014 χ^2/NDF:807659.8/9

+ sign 46.661+/-0.009 χ^2/NDF: 3071151.2/26

All: 45.164+/-0.006 χ^2/NDF: 7220454.7/55

- sign 43.818+/-0.008 χ^2/NDF: 4095870.2/28



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.015+/-0.020 χ^2/NDF:14.2/10

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

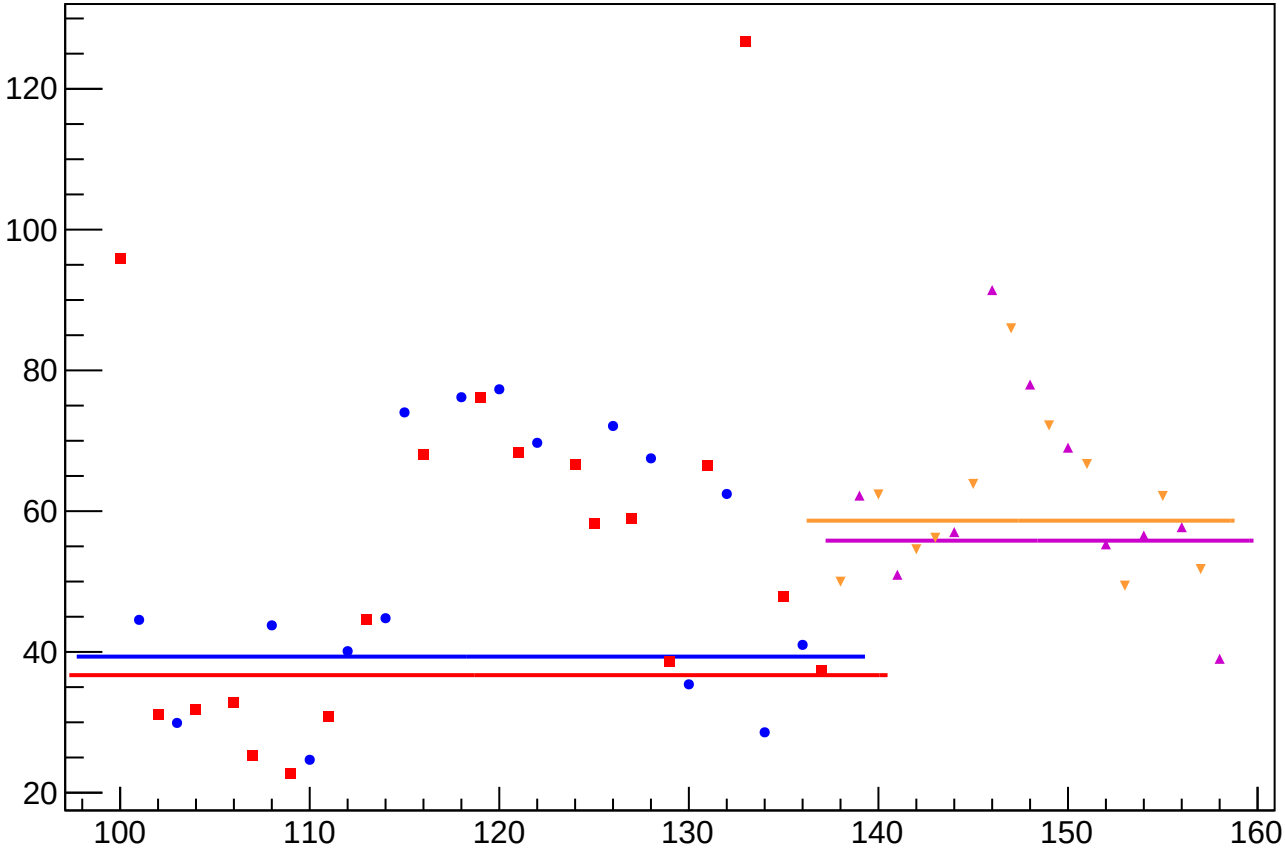
Left In: -0.006+/-0.020 χ^2/NDF:7.9/9

+ sign 0.033+/-0.013 χ^2/NDF: 42.1/26

All: 0.017+/-0.009 χ^2/NDF: 73.6/55

- sign 0.002+/-0.012 χ^2/NDF: 28.3/28

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 58.649+/-0.014 χ^2/NDF:402081.8/10

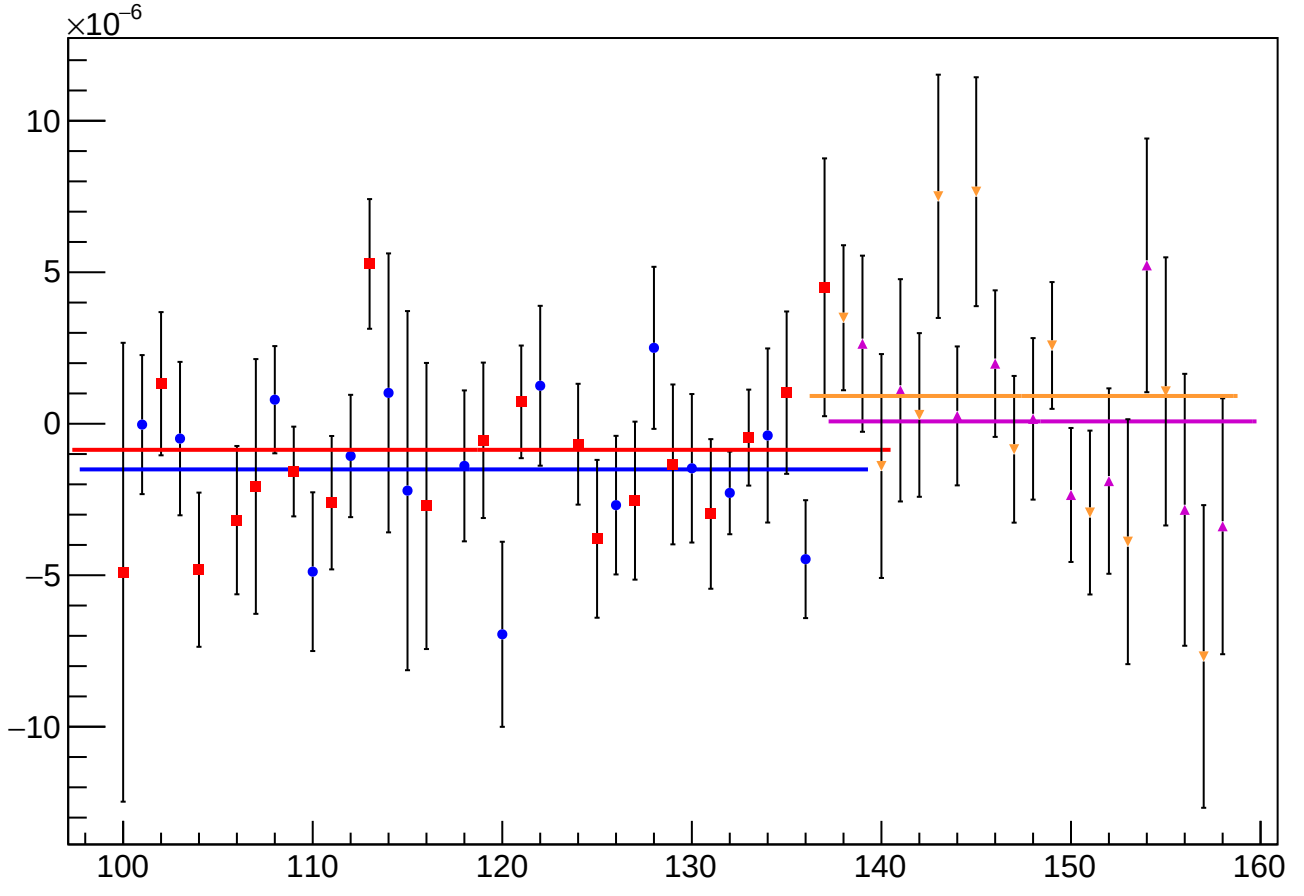
Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 55.810+/-0.014 χ^2/NDF:807659.8/9

+ sign 46.661+/-0.009 χ^2/NDF: 3071151.2/26

All: 45.164+/-0.006 χ^2/NDF: 7220454.7/55

- sign 43.818+/-0.008 χ^2/NDF: 4095870.2/28



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/10

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

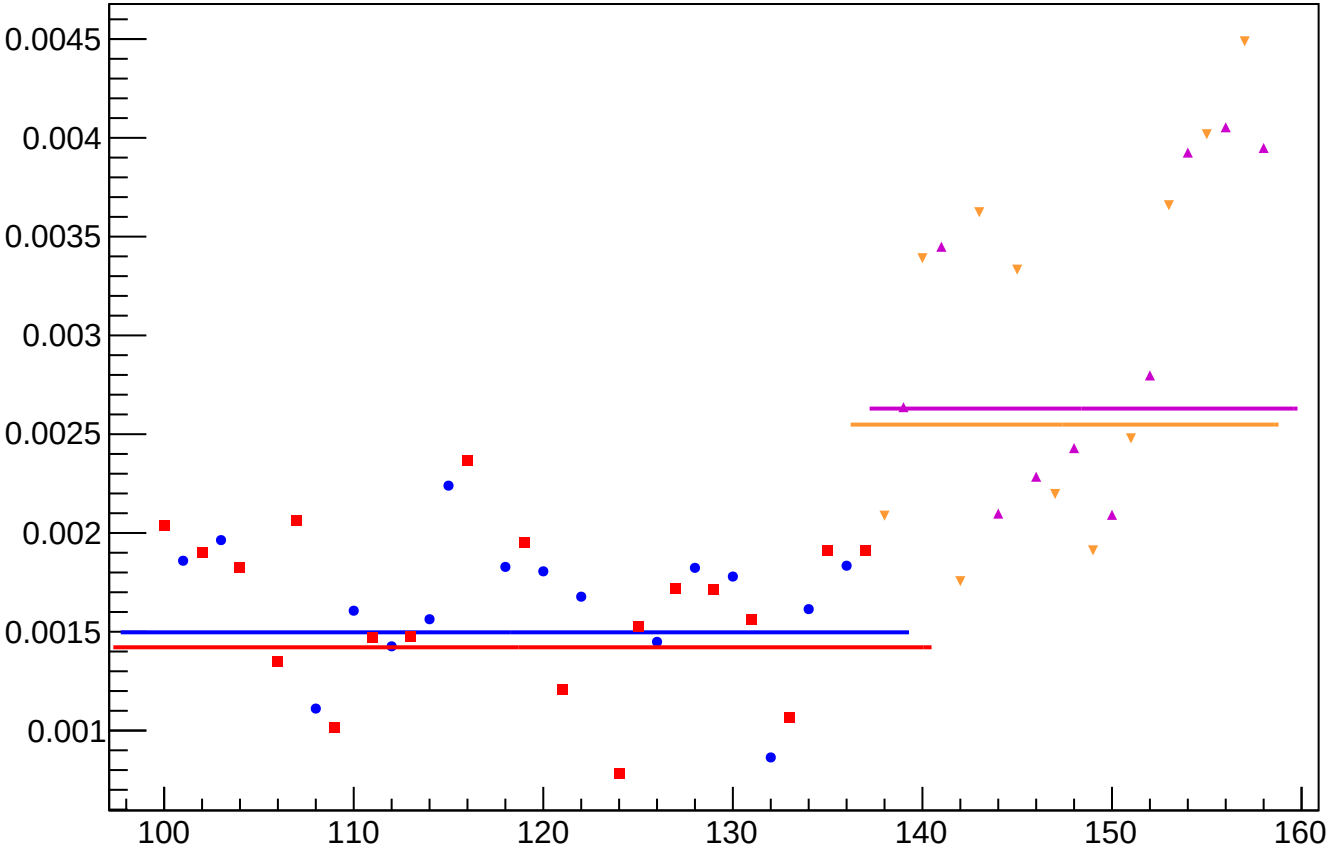
Left In: 0.000+/-0.000 χ^2/NDF:5.7/9

+ sign -0.000+/-0.000 χ^2/NDF: 34.0/26

All: -0.000+/-0.000 χ^2/NDF: 59.6/55

- sign -0.000+/-0.000 χ^2/NDF: 25.6/28

asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 867330.7/15

Left Out: 0.003+/-0.000 χ^2/NDF:1481396.6/10

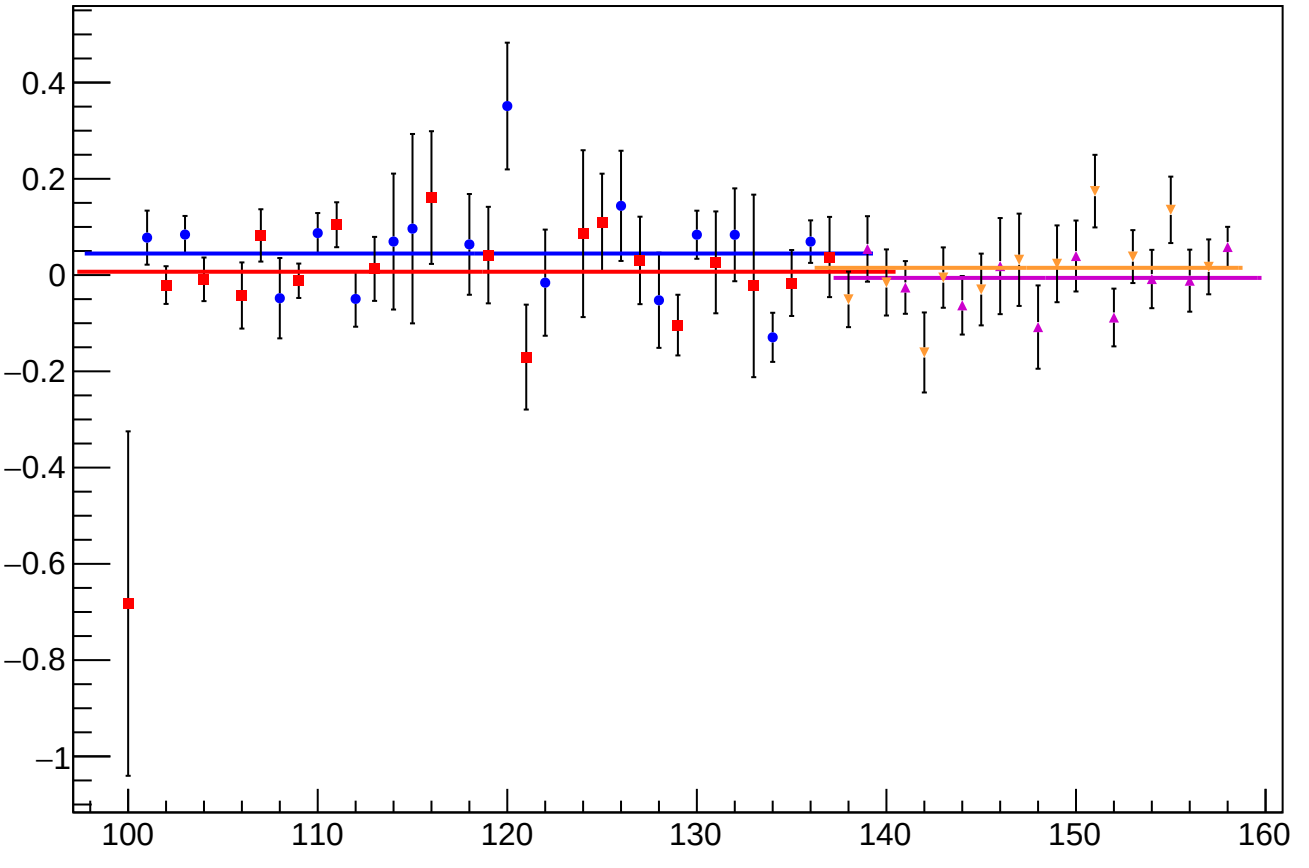
Right Out: 0.001+/-0.000 χ^2/NDF: 998047.4/18

Left In: 0.003+/-0.000 χ^2/NDF:971396.5/9

+ sign 0.002+/-0.000 χ^2/NDF: 4242951.4/26

All: 0.002+/-0.000 χ^2/NDF: 8770488.0/55

- sign 0.002+/-0.000 χ^2/NDF: 4506346.2/28



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.015+/-0.020 χ^2/NDF:14.2/10

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

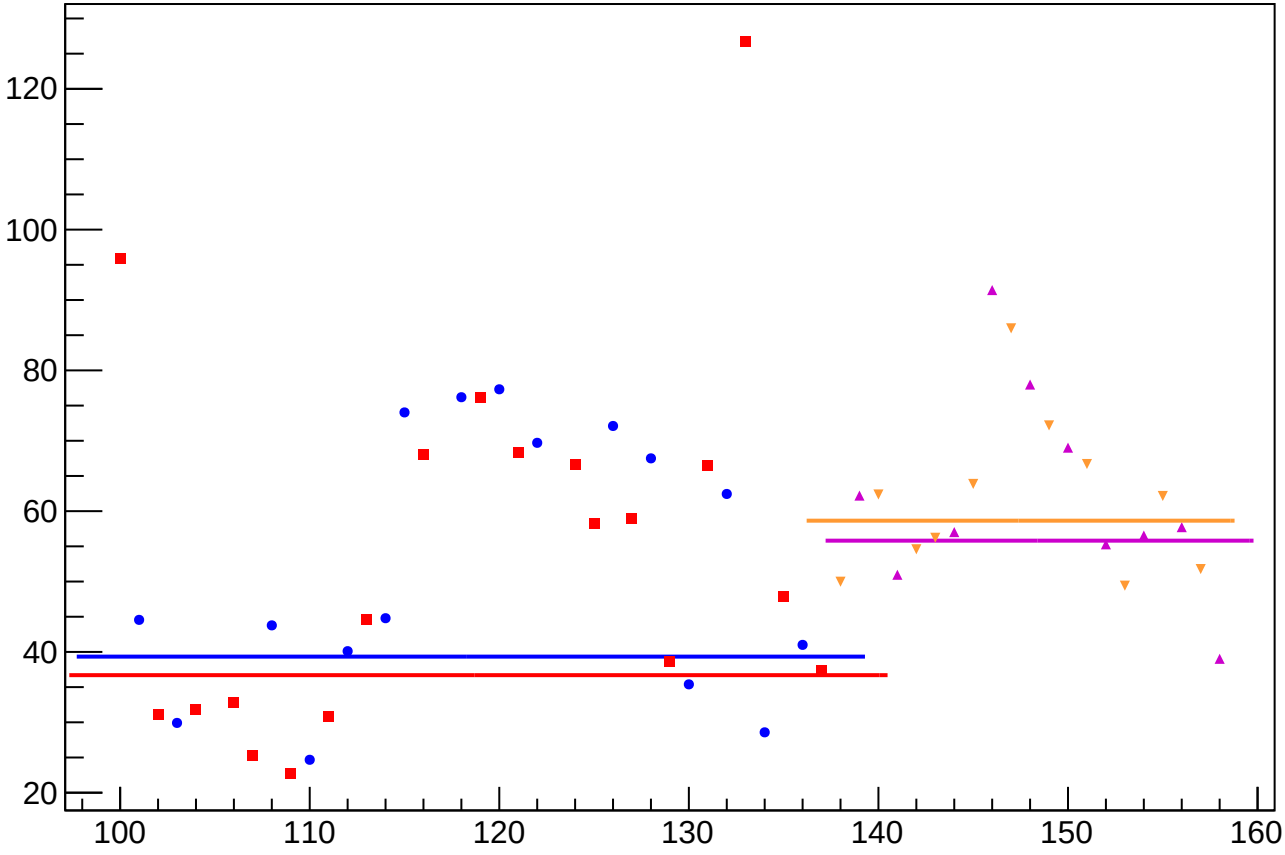
Left In: -0.006+/-0.020 χ^2/NDF:7.9/9

+ sign 0.033+/-0.013 χ^2/NDF: 42.1/26

All: 0.017+/-0.009 χ^2/NDF: 73.6/55

- sign 0.002+/-0.012 χ^2/NDF: 28.3/28

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 58.649+/-0.014 χ^2/NDF:402073.8/10

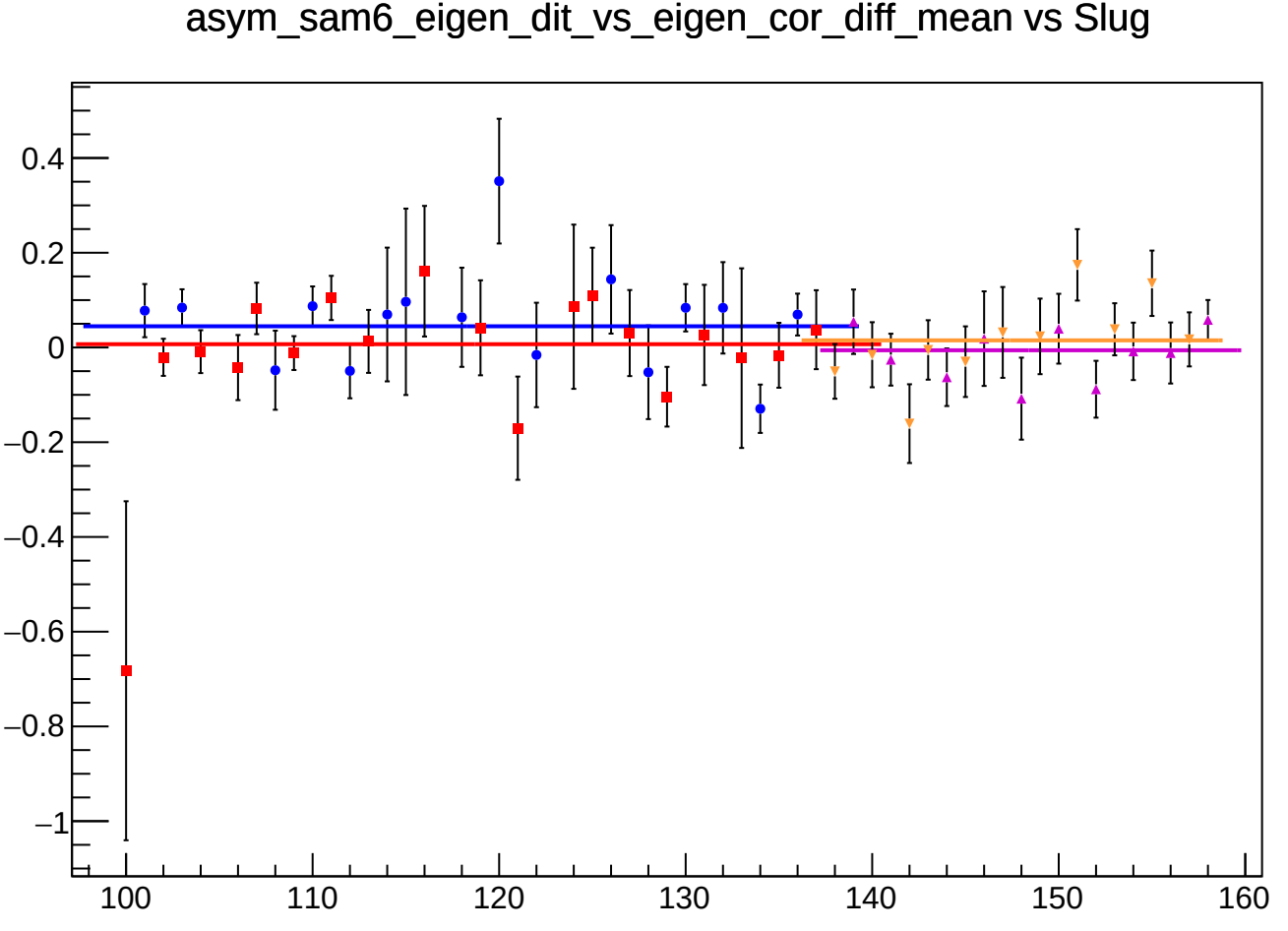
Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 55.809+/-0.014 χ^2/NDF:807773.7/9

+ sign 46.660+/-0.009 χ^2/NDF: 3071181.2/26

All: 45.163+/-0.006 χ^2/NDF: 7220504.6/55

- sign 43.817+/-0.008 χ^2/NDF: 4095891.1/28



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.015+/-0.020 χ^2/NDF:14.2/10

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

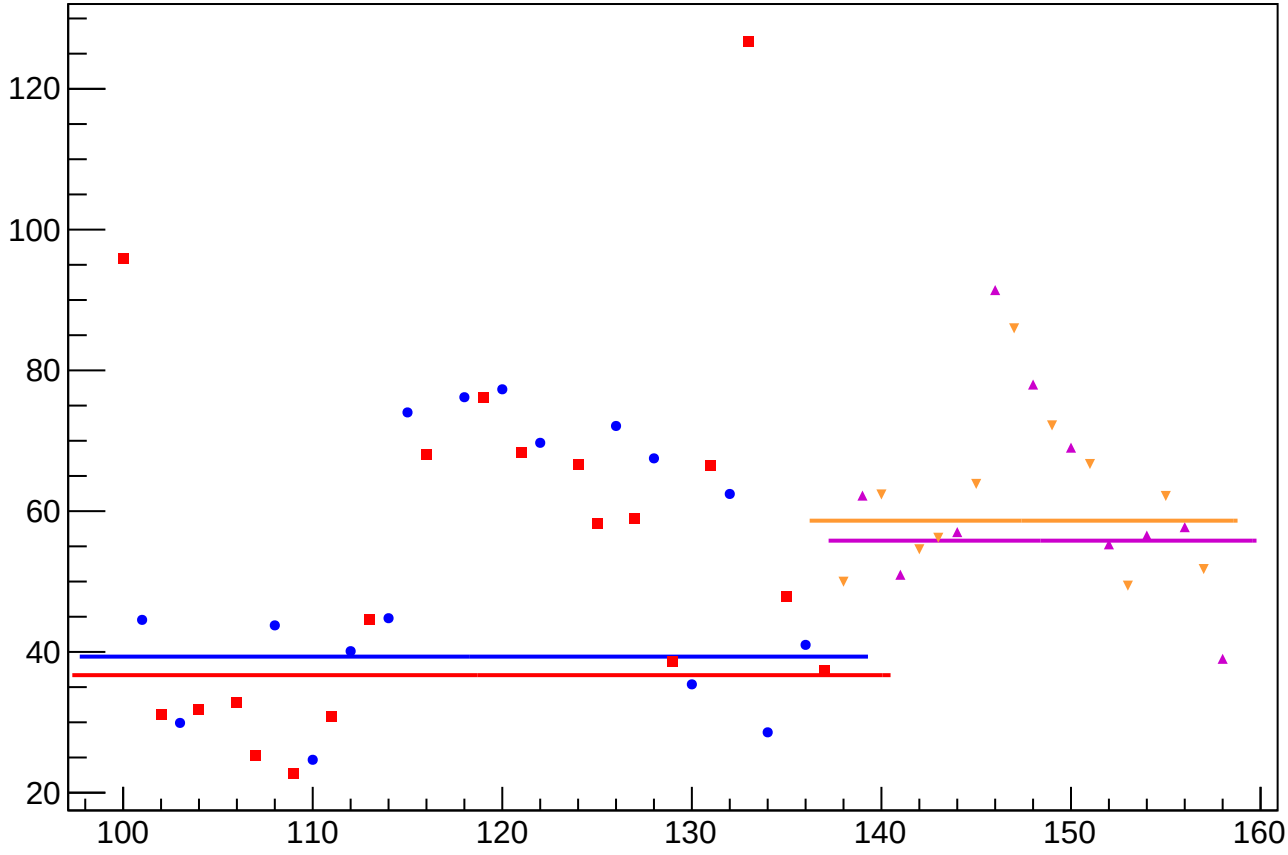
Left In: -0.006+/-0.020 χ^2/NDF:7.9/9

+ sign 0.033+/-0.013 χ^2/NDF: 42.1/26

All: 0.017+/-0.009 χ^2/NDF: 73.6/55

- sign 0.002+/-0.012 χ^2/NDF: 28.3/28

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 58.649+/-0.014 χ^2/NDF:402073.8/10

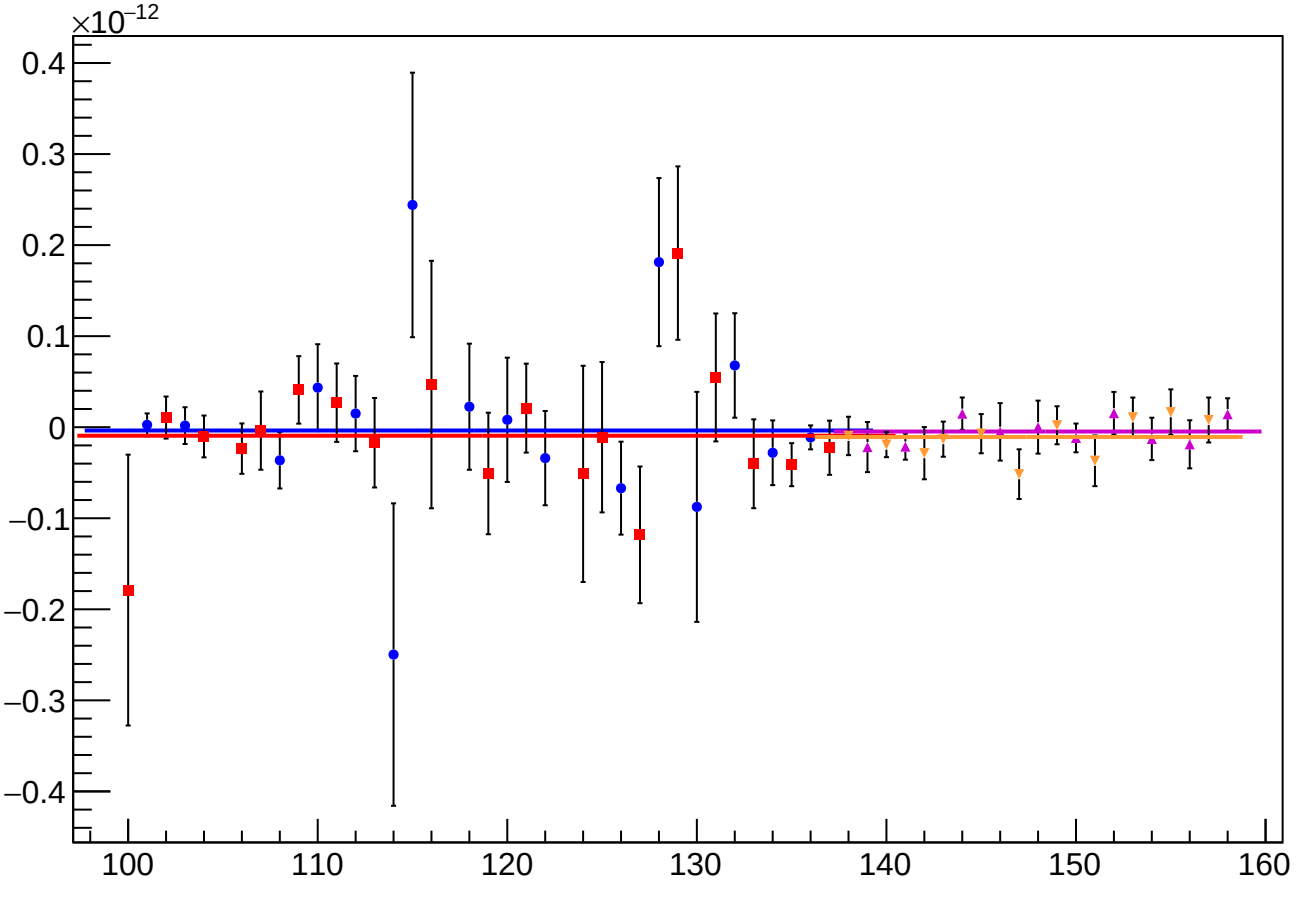
Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 55.809+/-0.014 χ^2/NDF:807773.7/9

+ sign 46.660+/-0.009 χ^2/NDF: 3071181.2/26

All: 45.163+/-0.006 χ^2/NDF: 7220504.6/55

- sign 43.817+/-0.008 χ^2/NDF: 4095891.1/28



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.0/10

Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/18

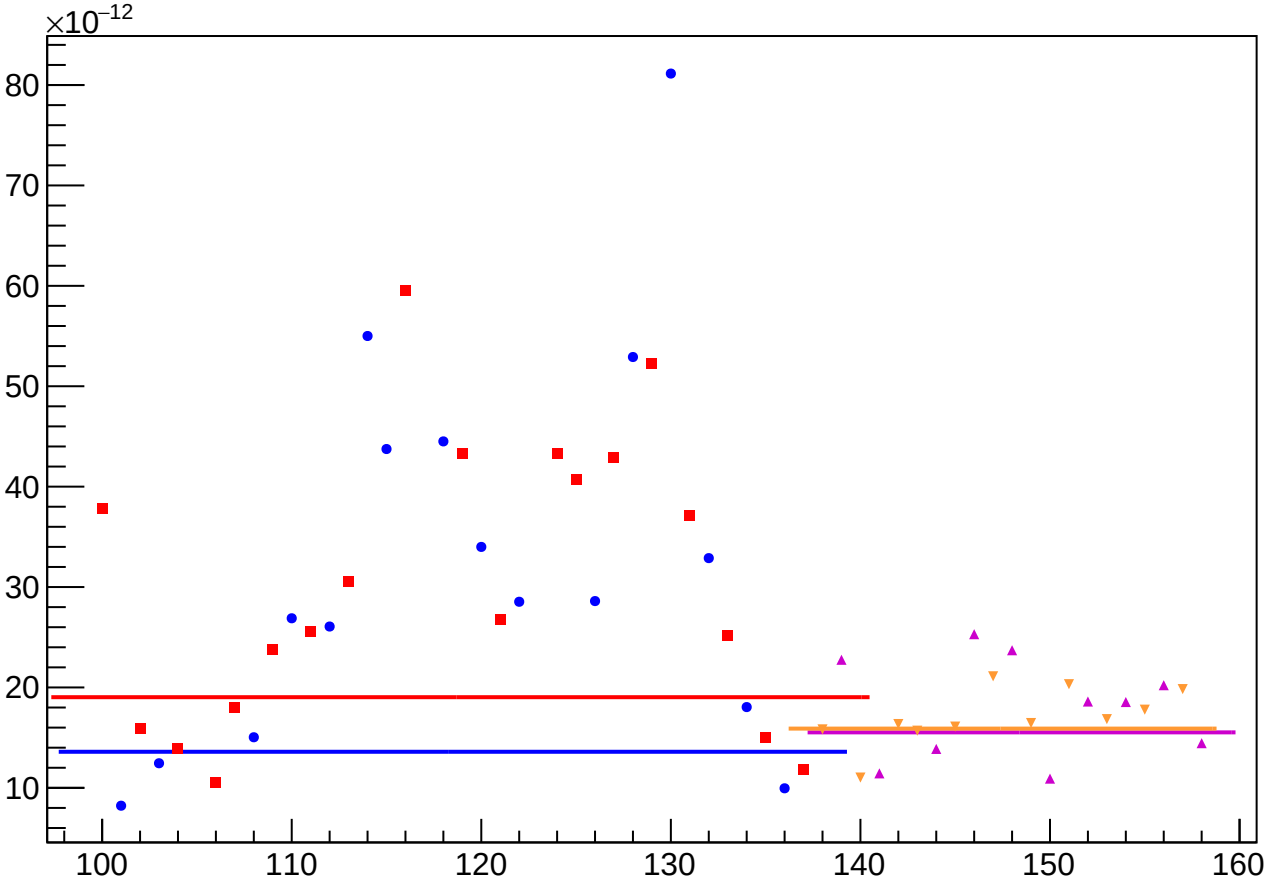
Left In: -0.000+/-0.000 χ^2/NDF:5.5/9

+ sign -0.000+/-0.000 χ^2/NDF: 24.2/26

All: -0.000+/-0.000 χ^2/NDF: 45.6/55

- sign -0.000+/-0.000 χ^2/NDF: 21.4/28

asym_sam6_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3187097.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:441667.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2049385.6/18

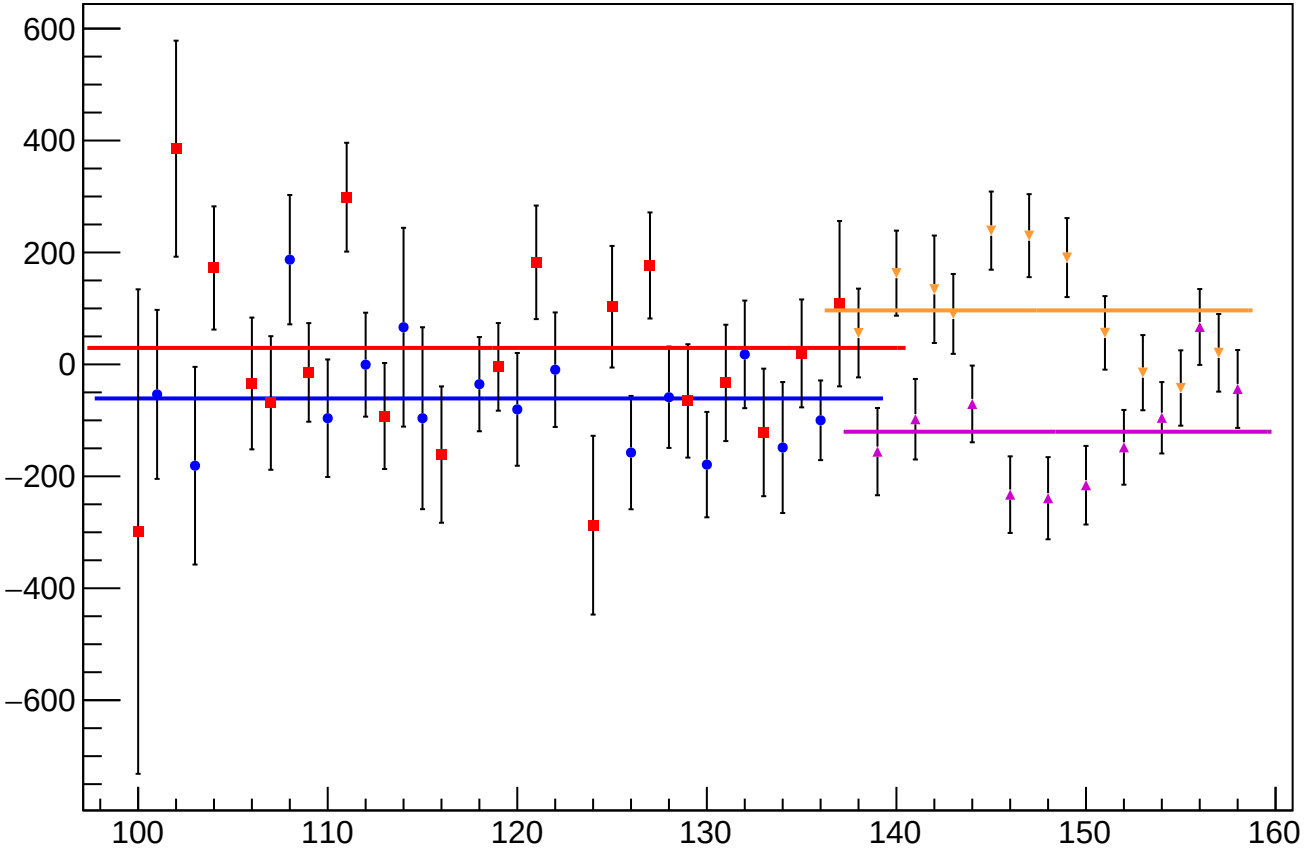
Left In: 0.000+/-0.000 χ^2/NDF:976340.4/9

+ sign 0.000+/-0.000 χ^2/NDF: 3742034.0/26

All: 0.000+/-0.000 χ^2/NDF: 7096195.4/55

- sign 0.000+/-0.000 χ^2/NDF: 3222824.3/28

reg_asym_sam7_mean vs Slug



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 96.500+/-21.786 χ^2/NDF:18.9/10

Right Out: 29.453+/-25.105 χ^2/NDF: 31.2/18

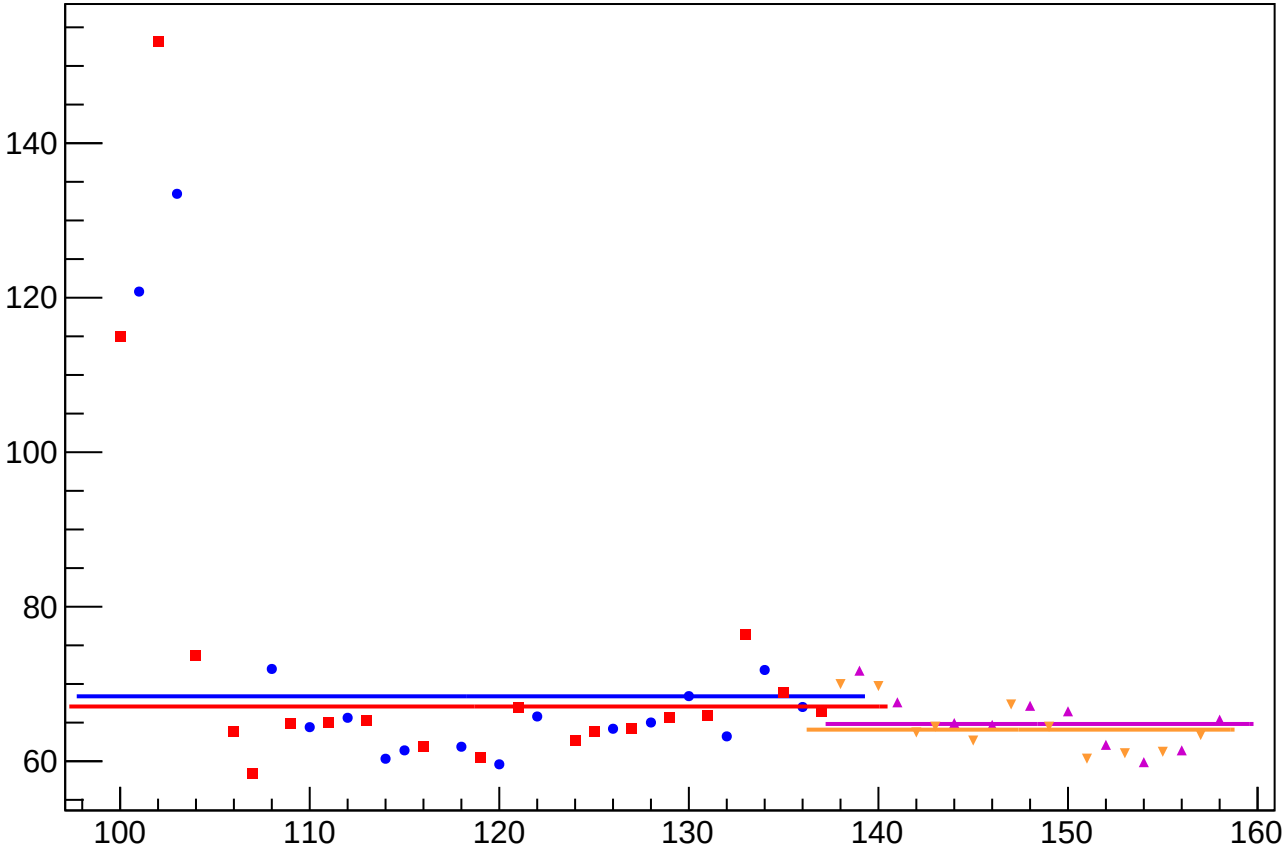
Left In: -120.310+/-21.996 χ^2/NDF:17.2/9

+ sign 31.754+/-16.713 χ^2/NDF: 51.0/26

All: -12.200+/-11.758 χ^2/NDF: 133.2/55

- sign -55.272+/-16.544 χ^2/NDF: 68.5/28

reg_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 64.090+/-0.015 χ^2/NDF:41420.6/10

Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

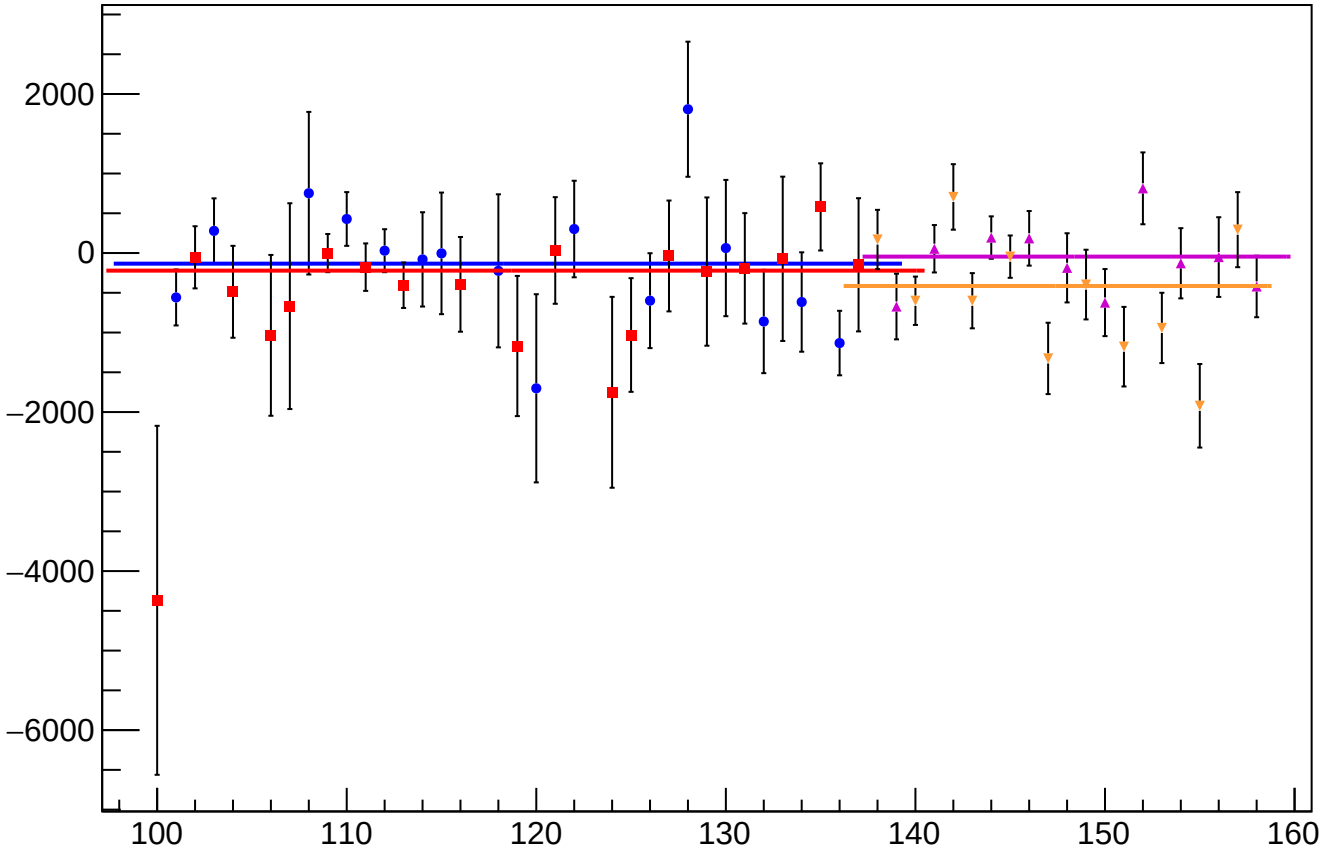
Left In: 64.824+/-0.016 χ^2/NDF:42349.0/9

+ sign 65.865+/-0.012 χ^2/NDF: 643244.4/26

All: 65.835+/-0.008 χ^2/NDF: 1176600.5/55

- sign 65.806+/-0.012 χ^2/NDF: 533343.8/28

asym_sam7_reg_correction_mean vs Slug



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -414.423+/-116.483 χ^2/NDF:30.8/10

Right Out: -221.324+/-117.783 χ^2/NDF: 12.5/18

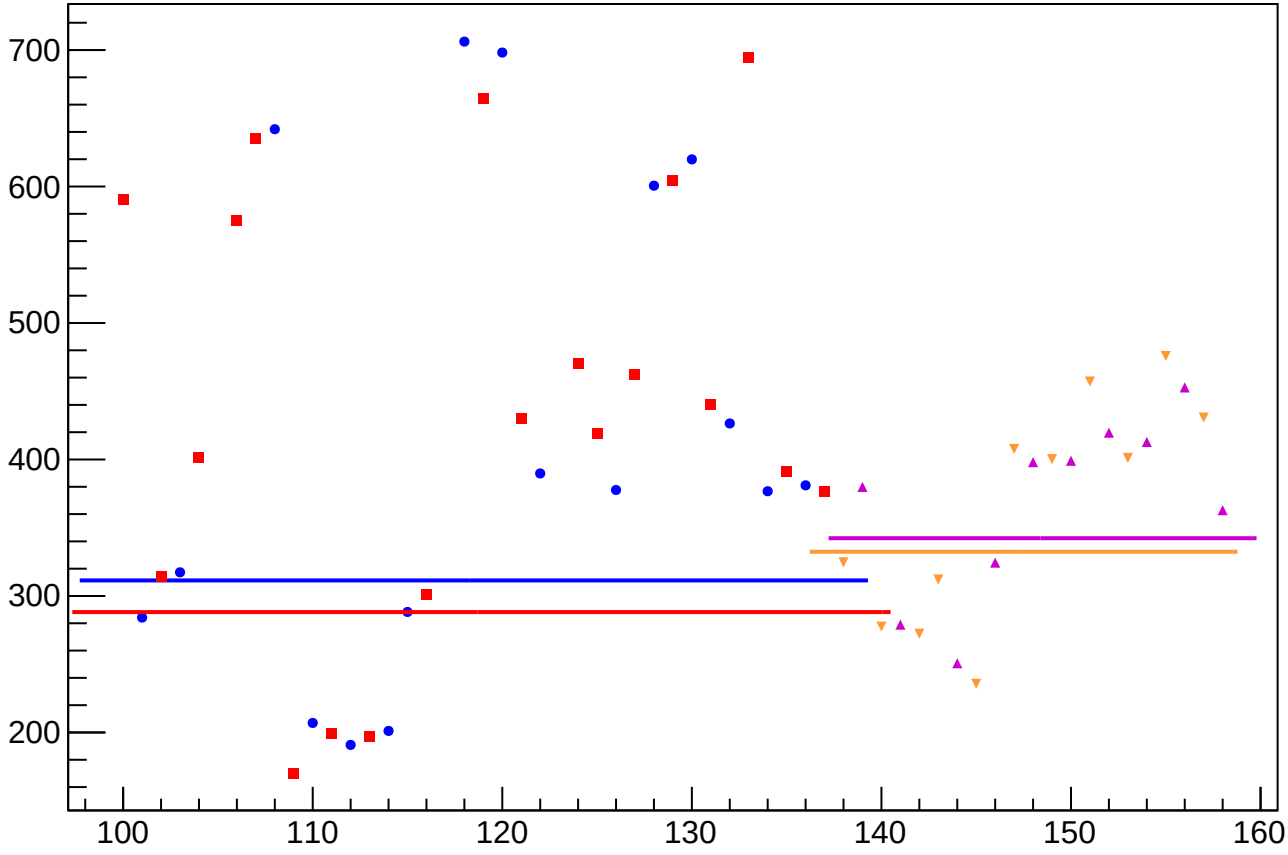
Left In: -45.088+/-118.464 χ^2/NDF:10.2/9

+ sign -284.904+/-85.503 χ^2/NDF: 55.9/26

All: -207.540+/-59.748 χ^2/NDF: 81.4/55

- sign -133.714+/-83.525 χ^2/NDF: 23.9/28

asym_sam7_reg_correction_rms vs Slug



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 332.420+/-0.082 χ^2/NDF:891947.2/10

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

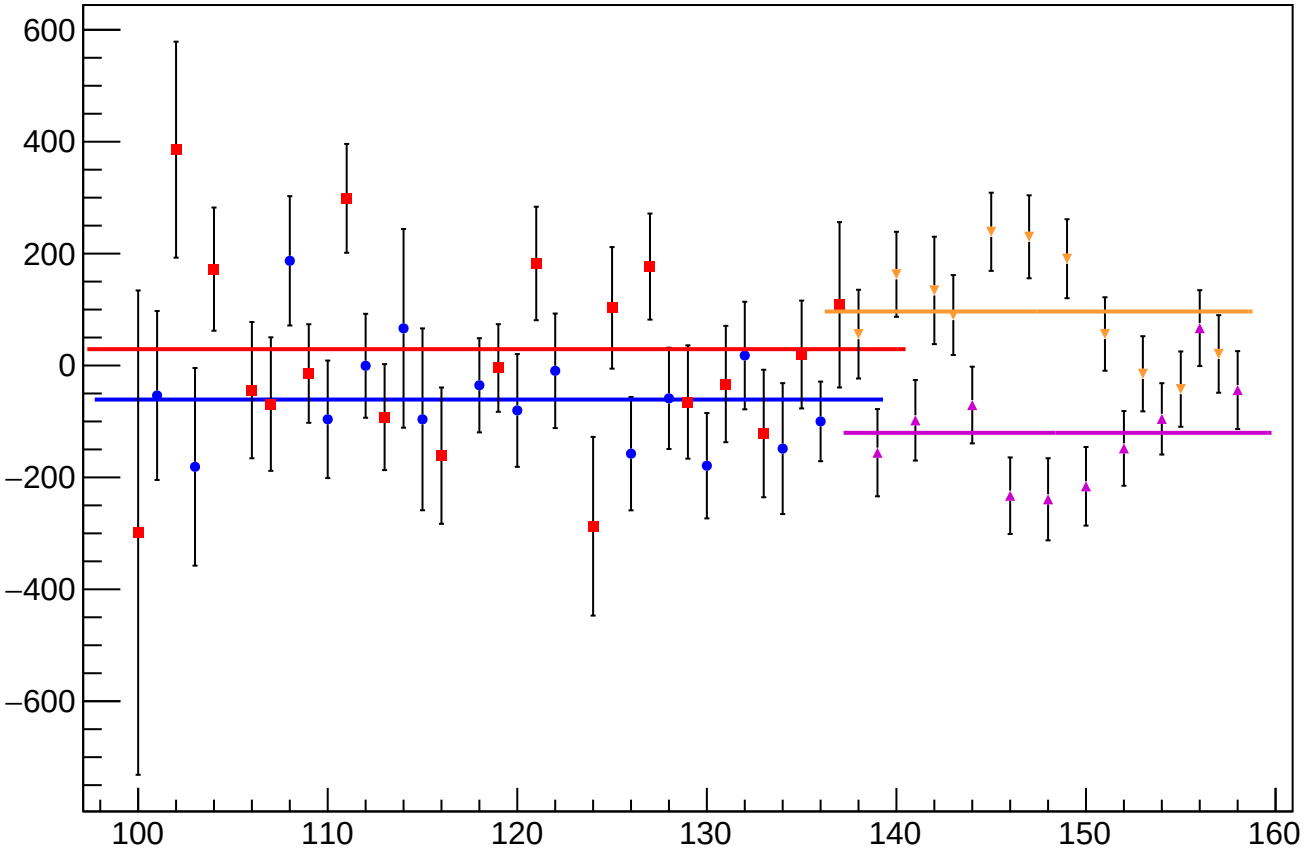
Left In: 342.320+/-0.084 χ^2/NDF:629732.4/9

+ sign 322.719+/-0.060 χ^2/NDF: 3045819.7/26

All: 318.824+/-0.042 χ^2/NDF: 6608920.1/55

- sign 315.106+/-0.059 χ^2/NDF: 3554987.2/28

cor_asym_sam7_mean vs Slug



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 96.501+/-21.786 χ^2/NDF:18.9/10

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

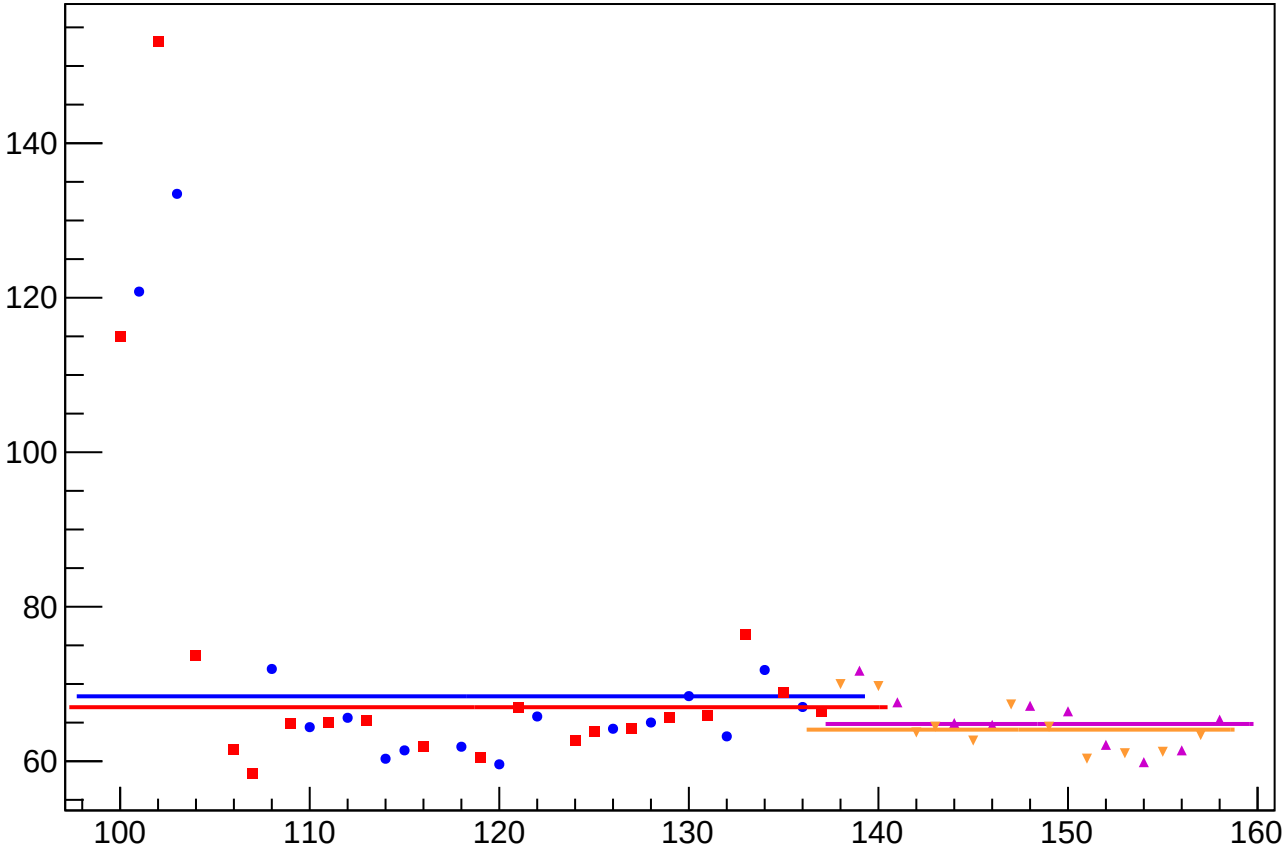
Left In: -120.311+/-21.996 χ^2/NDF:17.2/9

+ sign 31.754+/-16.713 χ^2/NDF: 51.0/26

All: -12.278+/-11.762 χ^2/NDF: 133.2/55

- sign -55.484+/-16.555 χ^2/NDF: 68.5/28

cor_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 64.090+/-0.015 χ^2/NDF:41420.6/10

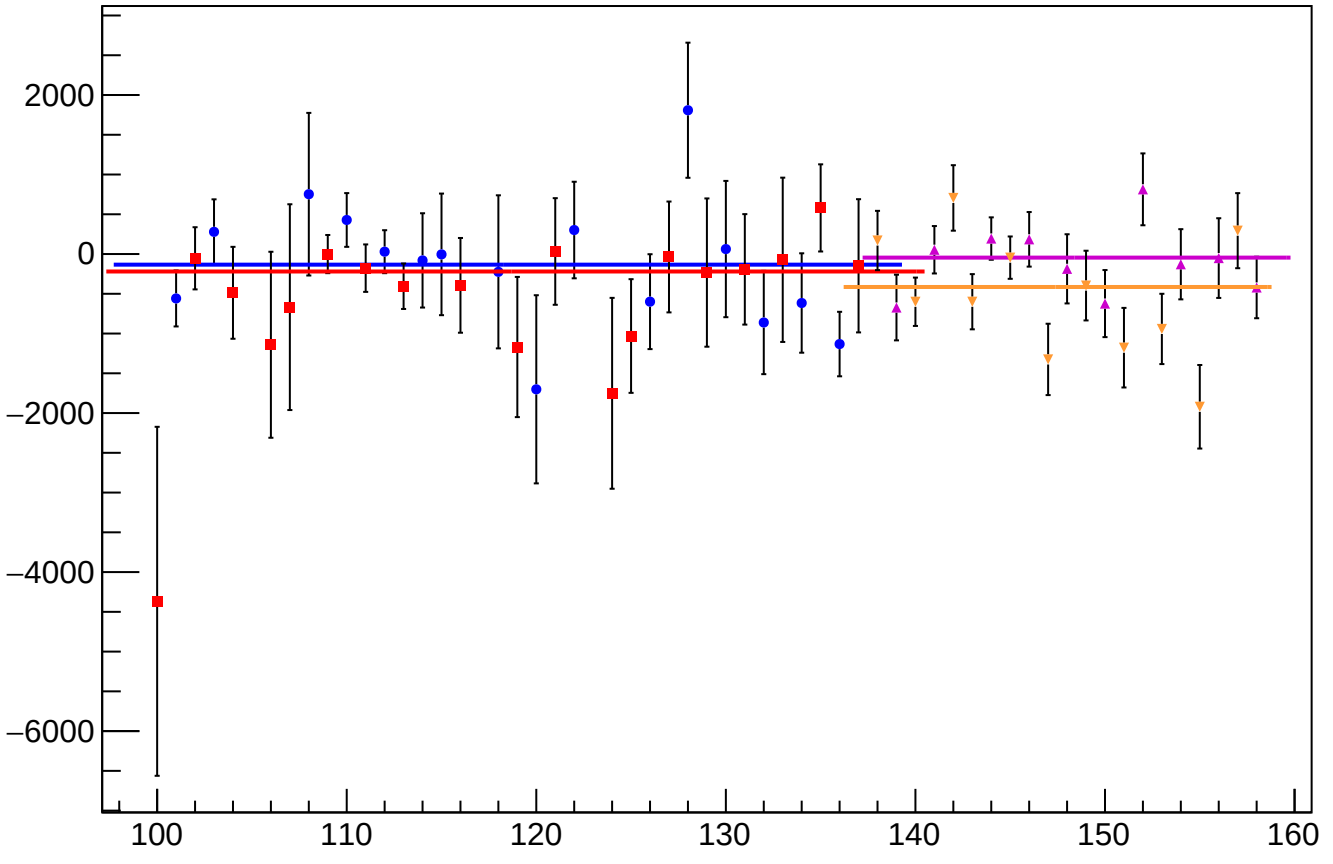
Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 64.824+/-0.016 χ^2/NDF:42349.0/9

+ sign 65.865+/-0.012 χ^2/NDF: 643244.8/26

All: 65.814+/-0.008 χ^2/NDF: 1178557.7/55

- sign 65.765+/-0.012 χ^2/NDF: 535277.2/28



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -414.420+/-116.483 χ^2/NDF:30.8/10

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

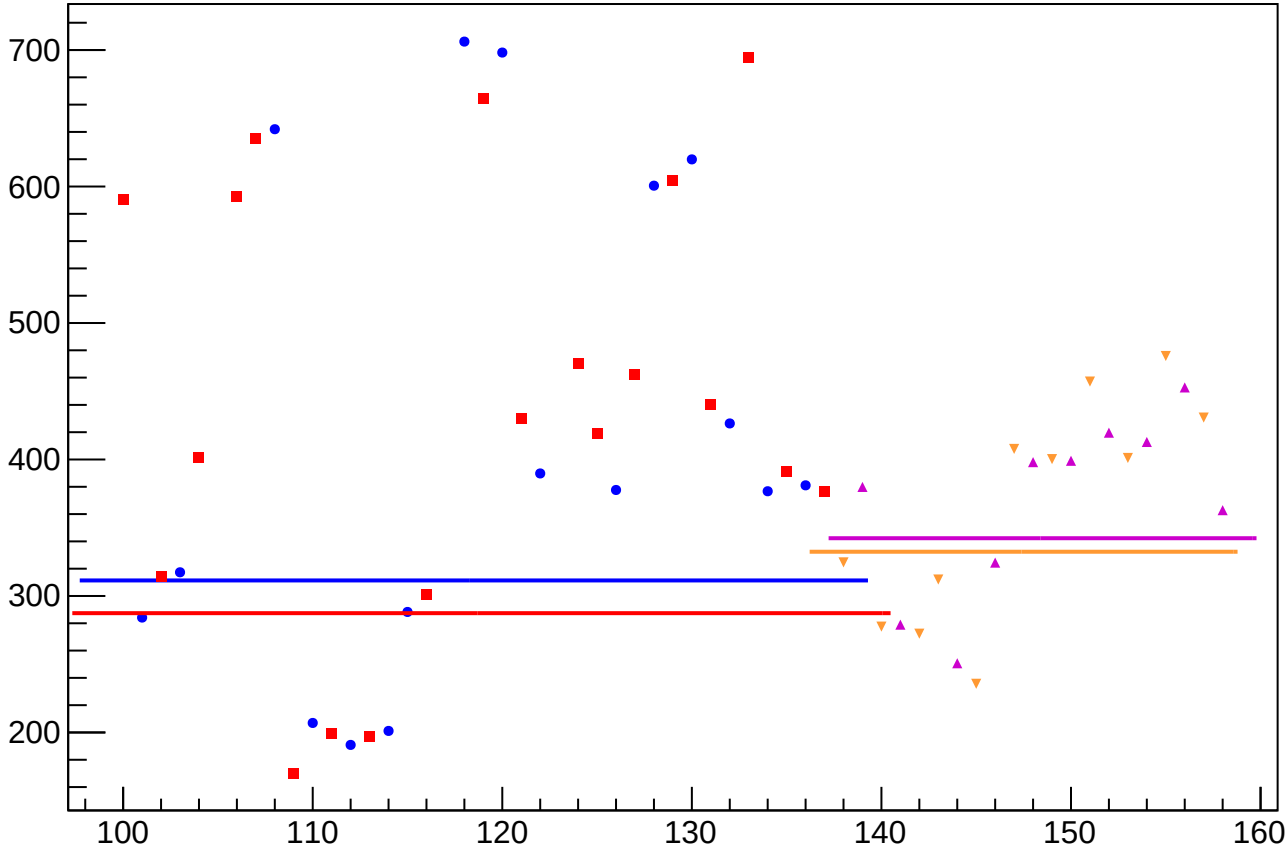
Left In: -45.085+/-118.464 χ^2/NDF:10.2/9

+ sign -284.902+/-85.503 χ^2/NDF: 55.9/26

All: -207.087+/-59.775 χ^2/NDF: 81.4/55

- sign -132.700+/-83.598 χ^2/NDF: 23.9/28

asym_sam7_cor_correction_rms vs Slug



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 332.419+/-0.082 χ^2/NDF:891952.5/10

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

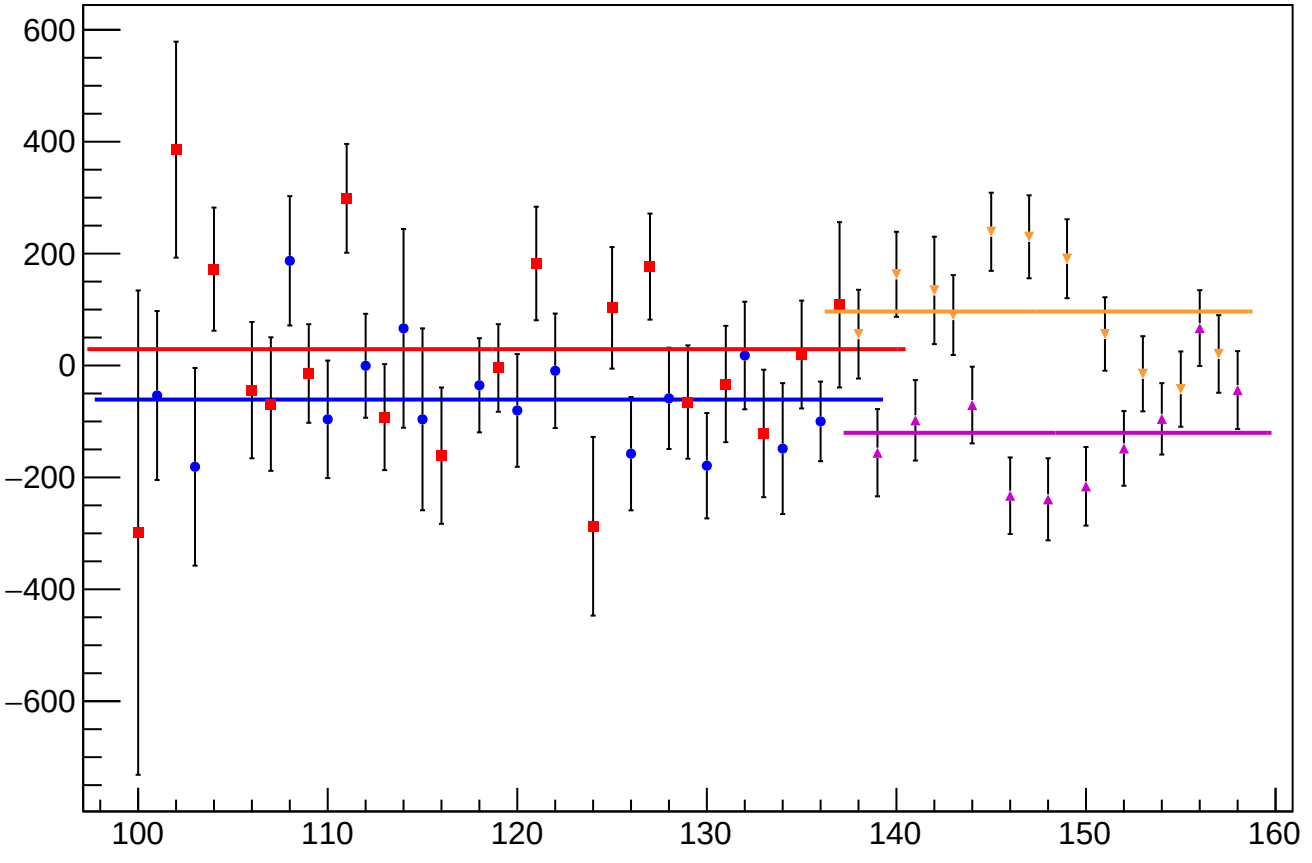
Left In: 342.320+/-0.084 χ^2/NDF:629729.6/9

+ sign 322.720+/-0.060 χ^2/NDF: 3045820.3/26

All: 318.648+/-0.042 χ^2/NDF: 6590363.6/55

- sign 314.756+/-0.059 χ^2/NDF: 3535673.1/28

eigen_cor_asym_sam7_mean vs Slug



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 96.501+/-21.786 χ^2/NDF:18.9/10

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

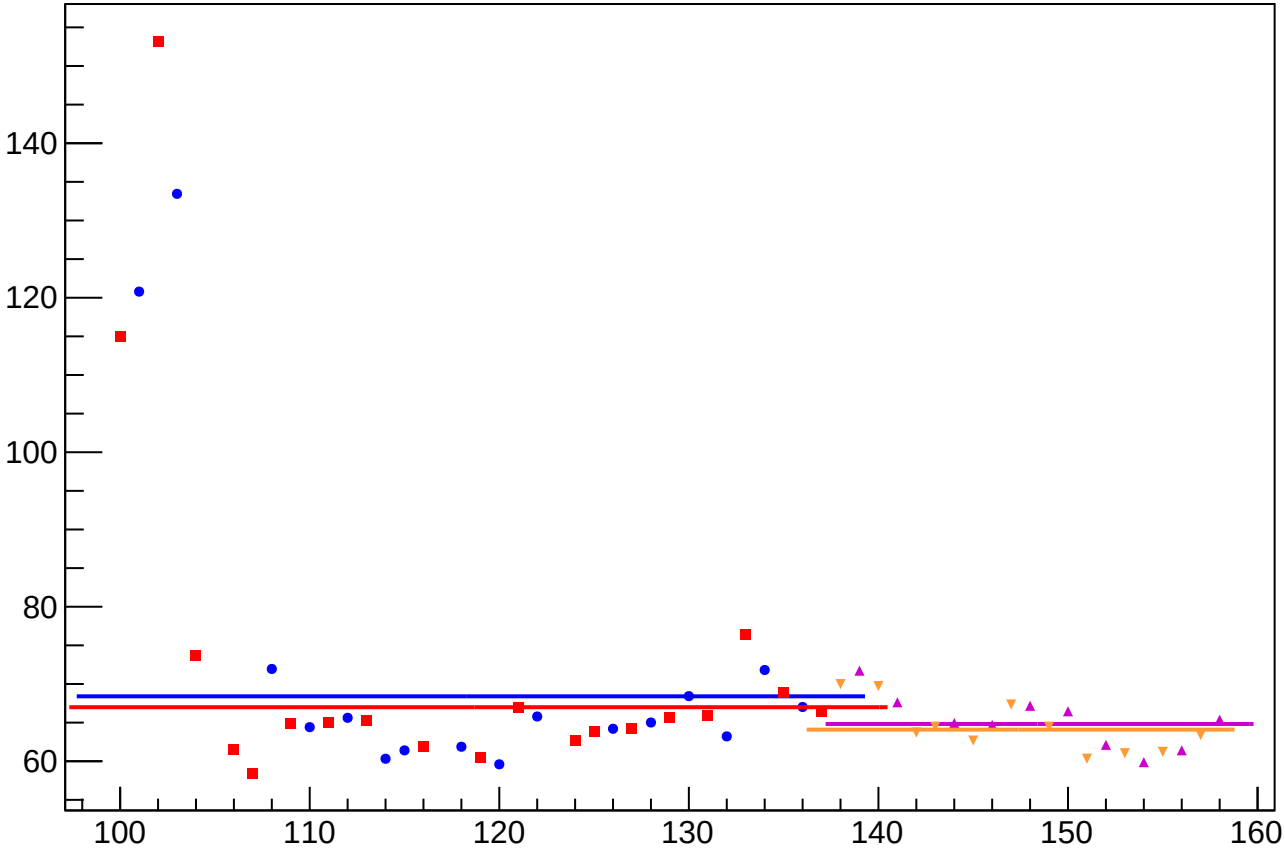
Left In: -120.311+/-21.996 χ^2/NDF:17.2/9

+ sign 31.754+/-16.713 χ^2/NDF: 51.0/26

All: -12.278+/-11.762 χ^2/NDF: 133.2/55

- sign -55.484+/-16.555 χ^2/NDF: 68.5/28

eigen_cor_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 64.090+/-0.015 χ^2/NDF:41420.6/10

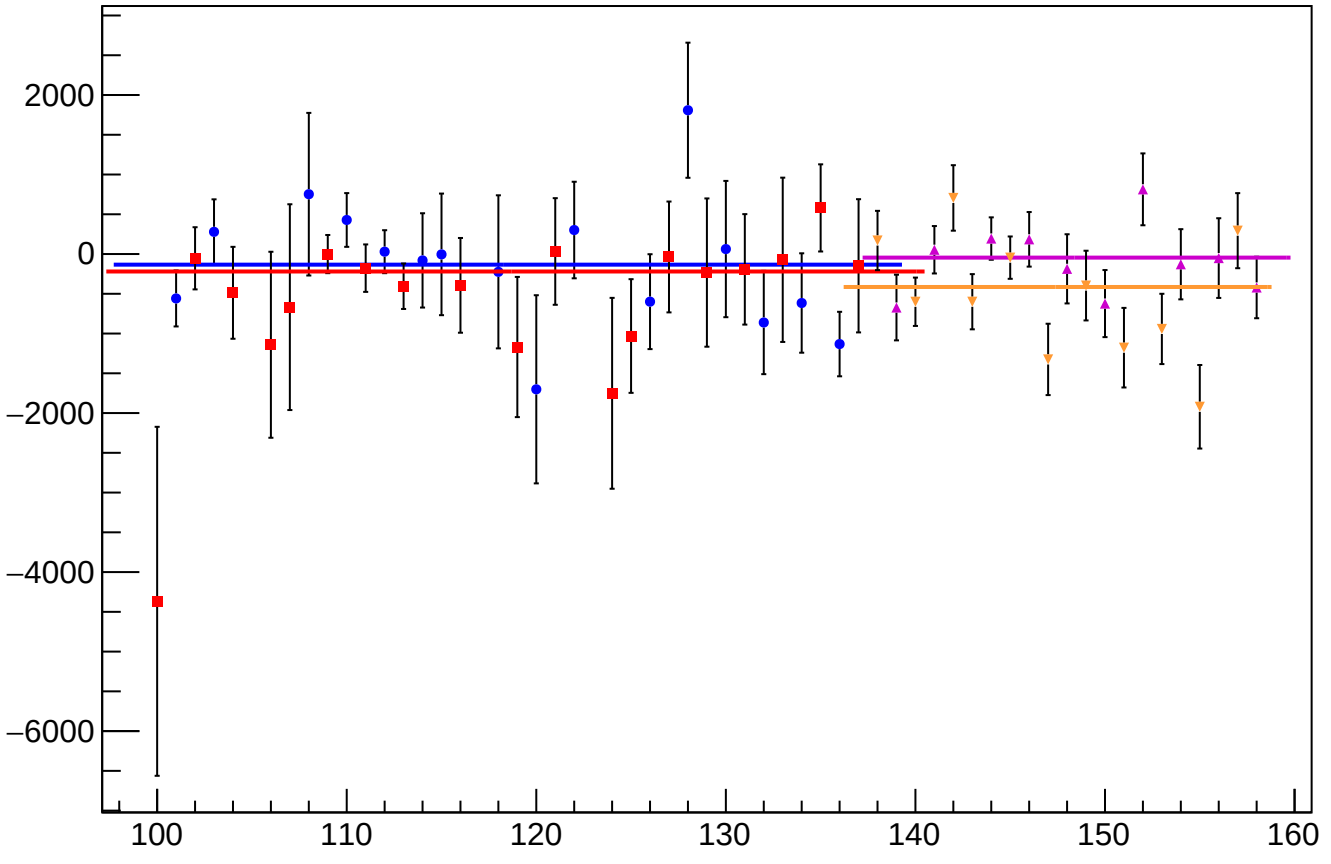
Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 64.824+/-0.016 χ^2/NDF:42349.0/9

+ sign 65.865+/-0.012 χ^2/NDF: 643244.8/26

All: 65.814+/-0.008 χ^2/NDF: 1178557.7/55

- sign 65.765+/-0.012 χ^2/NDF: 535277.2/28



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -414.420+/-116.483 χ^2/NDF:30.8/10

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

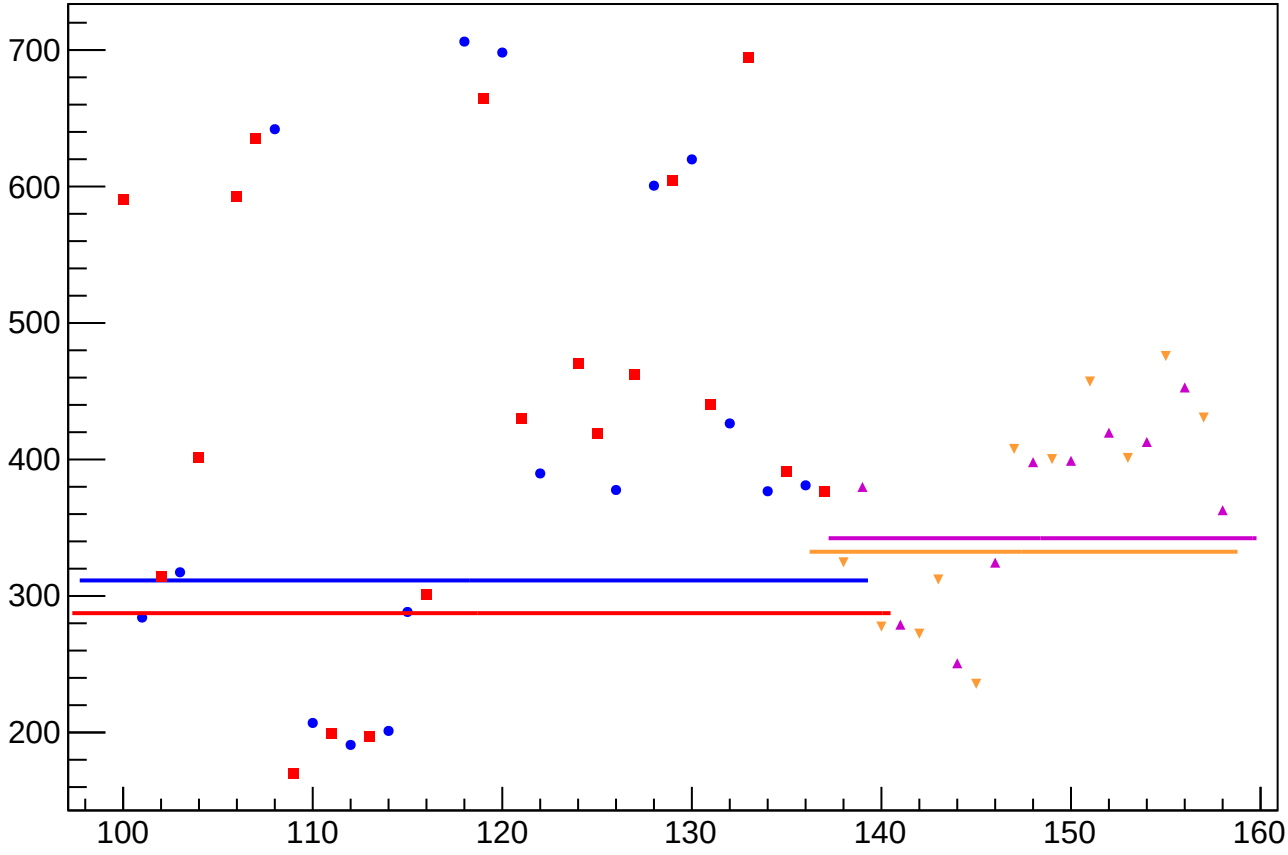
Left In: -45.085+/-118.464 χ^2/NDF:10.2/9

+ sign -284.902+/-85.503 χ^2/NDF: 55.9/26

All: -207.087+/-59.775 χ^2/NDF: 81.4/55

- sign -132.700+/-83.598 χ^2/NDF: 23.9/28

asym_sam7_eigen_cor_correction_rms vs Slug



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 332.419+/-0.082 χ^2/NDF:891952.5/10

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

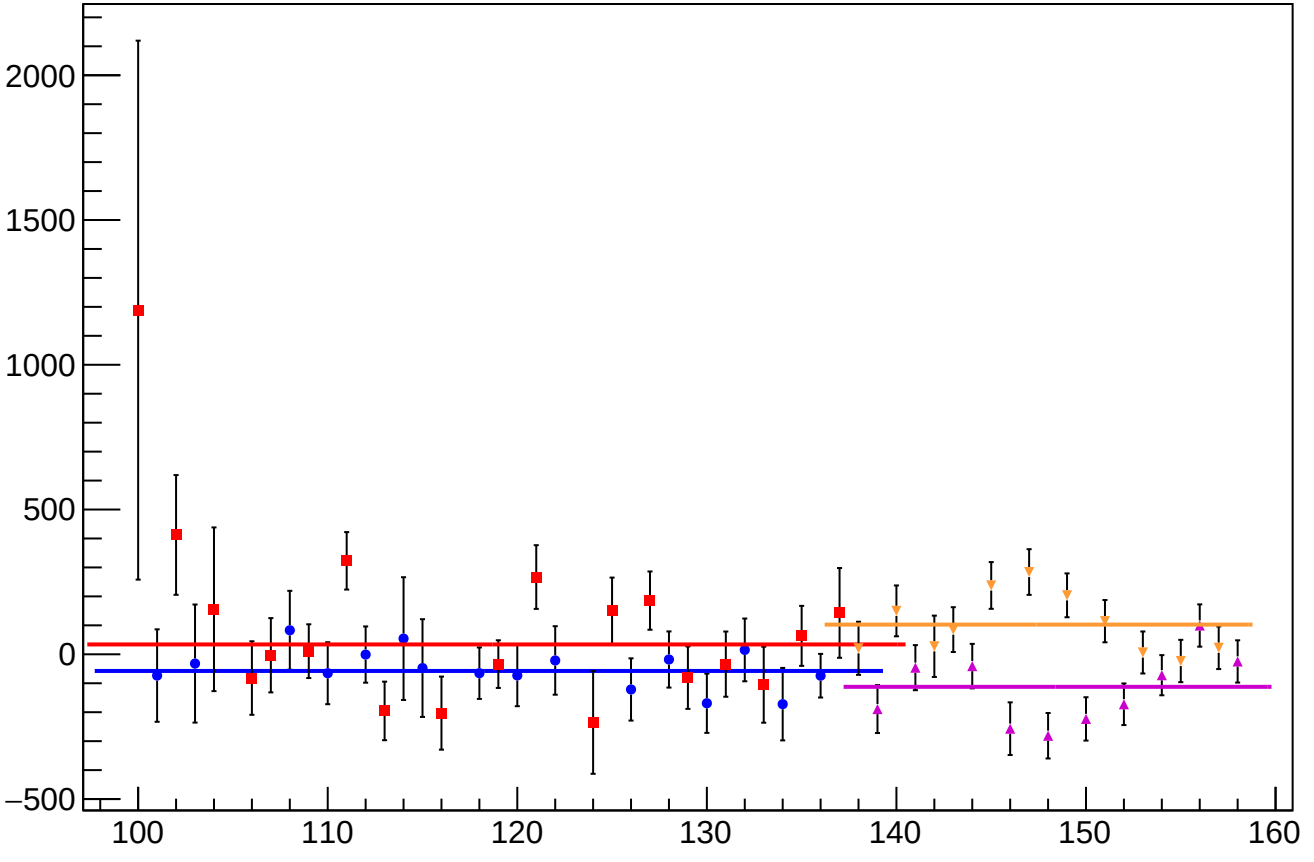
Left In: 342.320+/-0.084 χ^2/NDF:629729.6/9

+ sign 322.720+/-0.060 χ^2/NDF: 3045820.3/26

All: 318.648+/-0.042 χ^2/NDF: 6590363.6/55

- sign 314.756+/-0.059 χ^2/NDF: 3535673.1/28

dit_asym_sam7_mean vs Slug



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 102.605+/-23.958 χ^2/NDF:17.4/10

Right Out: 34.033+/-27.398 χ^2/NDF: 37.1/18

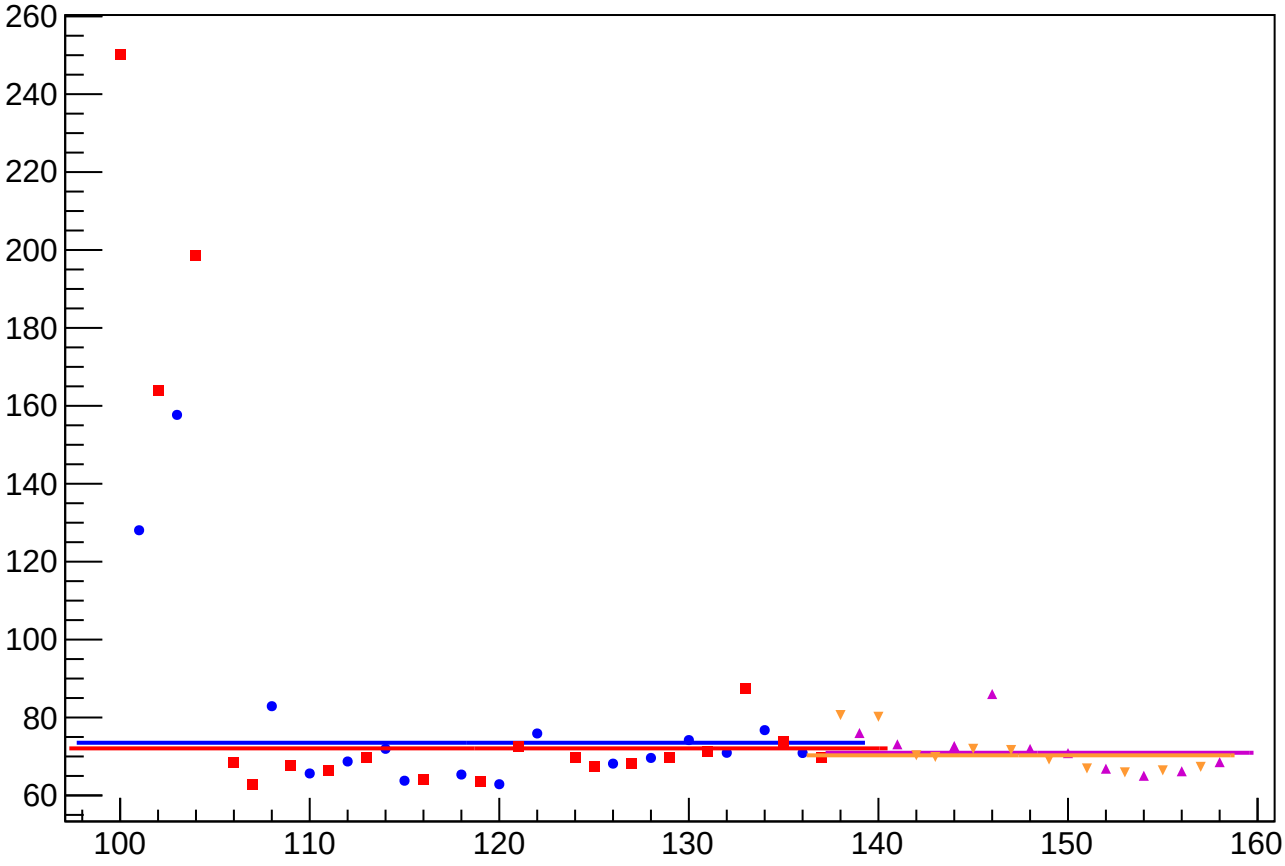
Left In: -112.339+/-24.122 χ^2/NDF:22.7/9

+ sign 35.162+/-18.227 χ^2/NDF: 41.1/26

All: -6.913+/-12.845 χ^2/NDF: 127.6/55

- sign -48.424+/-18.105 χ^2/NDF: 75.9/28

dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 70.292+/-0.017 χ^2/NDF:73014.6/10

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

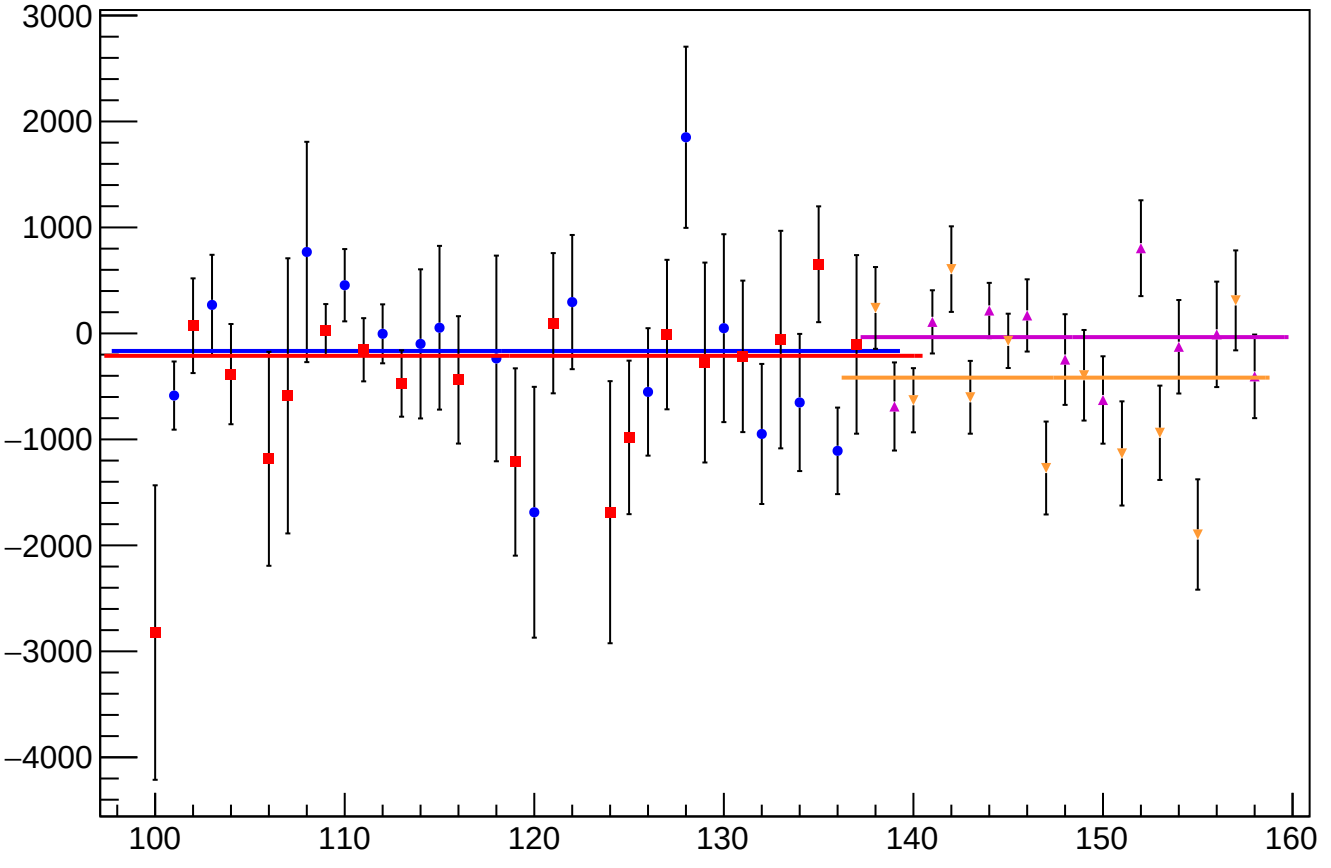
Left In: 70.950+/-0.017 χ^2/NDF:96928.4/9

+ sign 71.651+/-0.013 χ^2/NDF: 745140.8/26

All: 71.545+/-0.009 χ^2/NDF: 1802594.6/55

- sign 71.441+/-0.013 χ^2/NDF: 1057319.5/28

asym_sam7_dit_correction_mean vs Slug



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: -417.341+/-115.087 χ^2/NDF:29.7/10

Right Out: -211.347+/-120.122 χ^2/NDF: 13.6/18

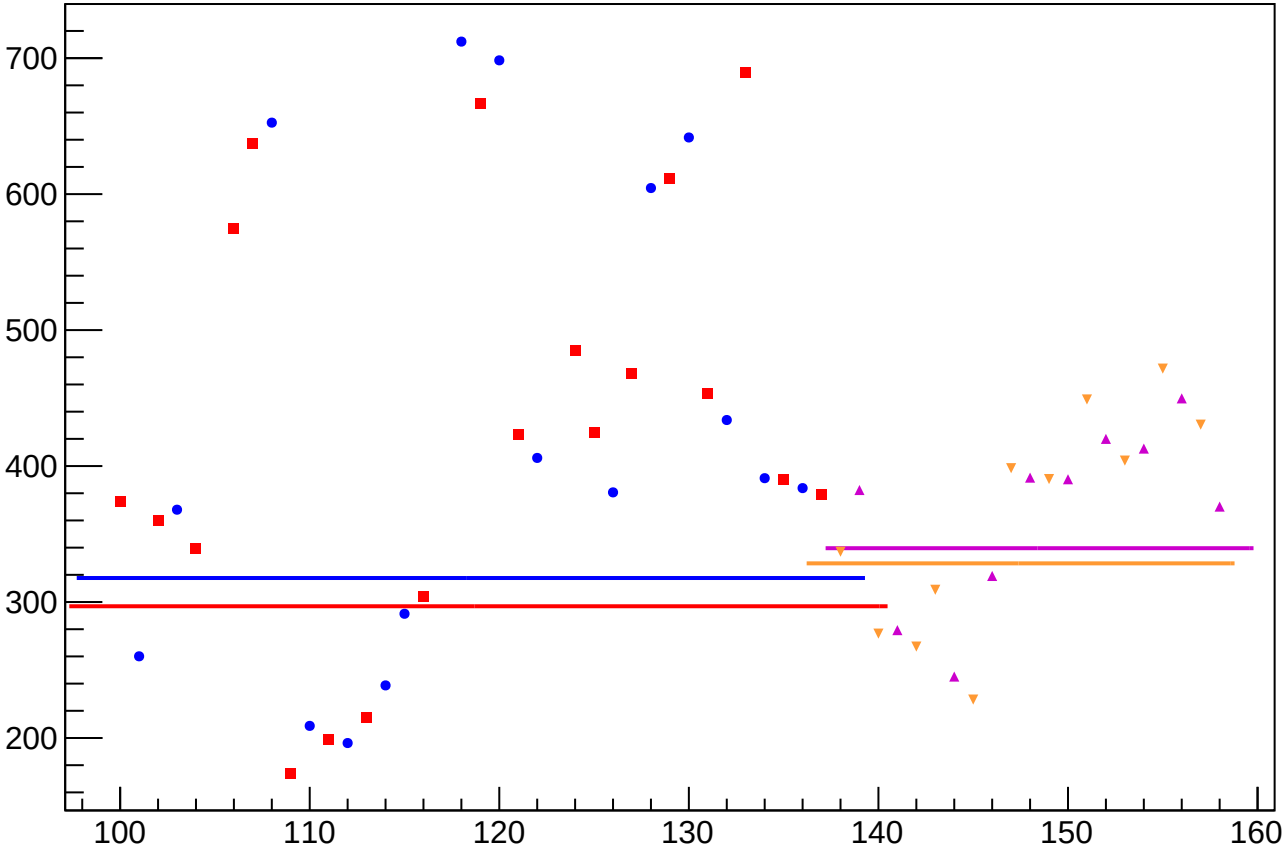
Left In: -34.895+/-117.697 χ^2/NDF:10.7/9

+ sign -305.185+/-85.712 χ^2/NDF: 54.5/26

All: -211.475+/-60.018 χ^2/NDF: 82.2/55

- sign -121.323+/-84.069 χ^2/NDF: 25.4/28

asym_sam7_dit_correction_rms vs Slug



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 328.439+/-0.081 χ^2/NDF:932968.9/10

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

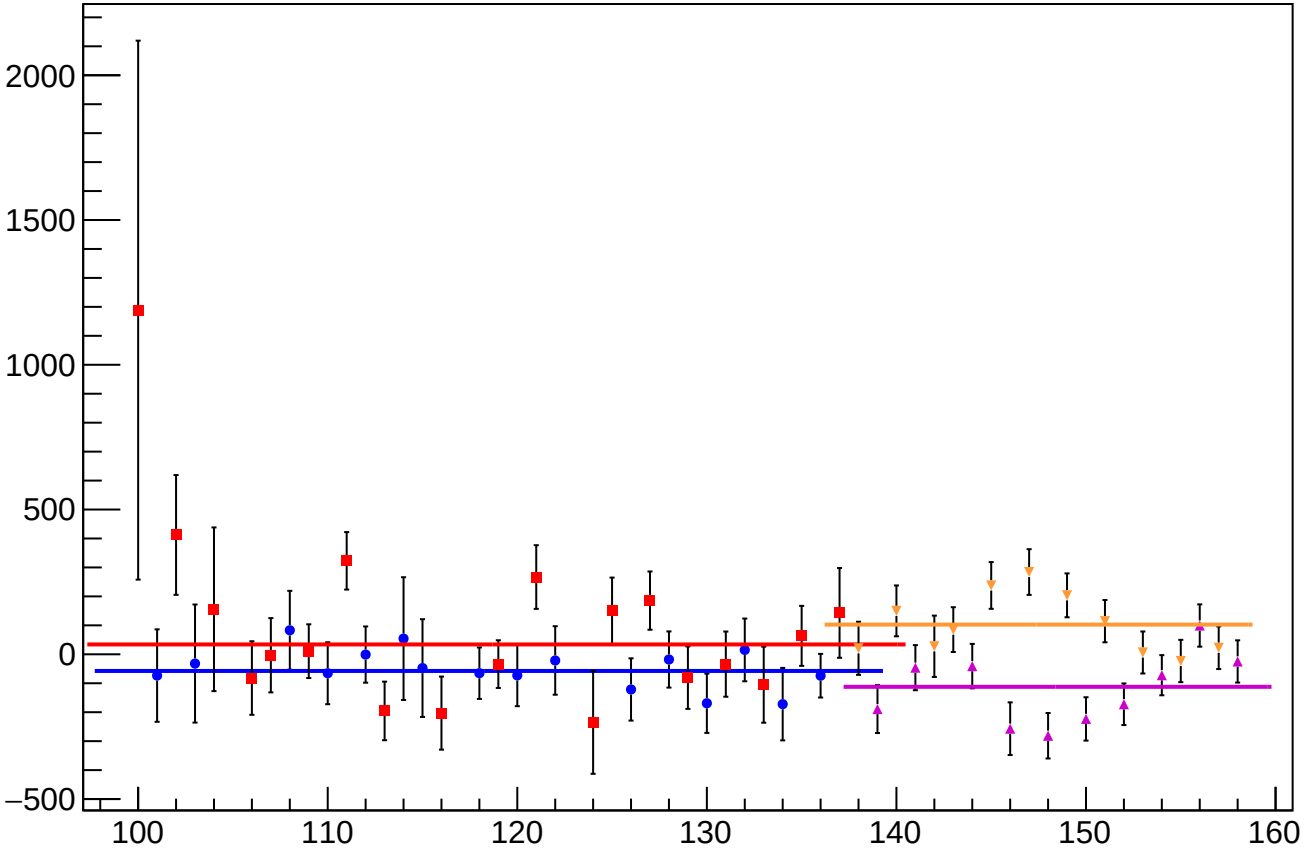
Left In: 339.587+/-0.083 χ^2/NDF:660376.9/9

+ sign 323.640+/-0.061 χ^2/NDF: 3076968.9/26

All: 321.109+/-0.042 χ^2/NDF: 6410742.9/55

- sign 318.673+/-0.059 χ^2/NDF: 3330350.4/28

eigen_dit_asym_sam7_mean vs Slug



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 102.605+/-23.958 χ^2/NDF:17.4/10

Right Out: 34.034+/-27.398 χ^2/NDF: 37.1/18

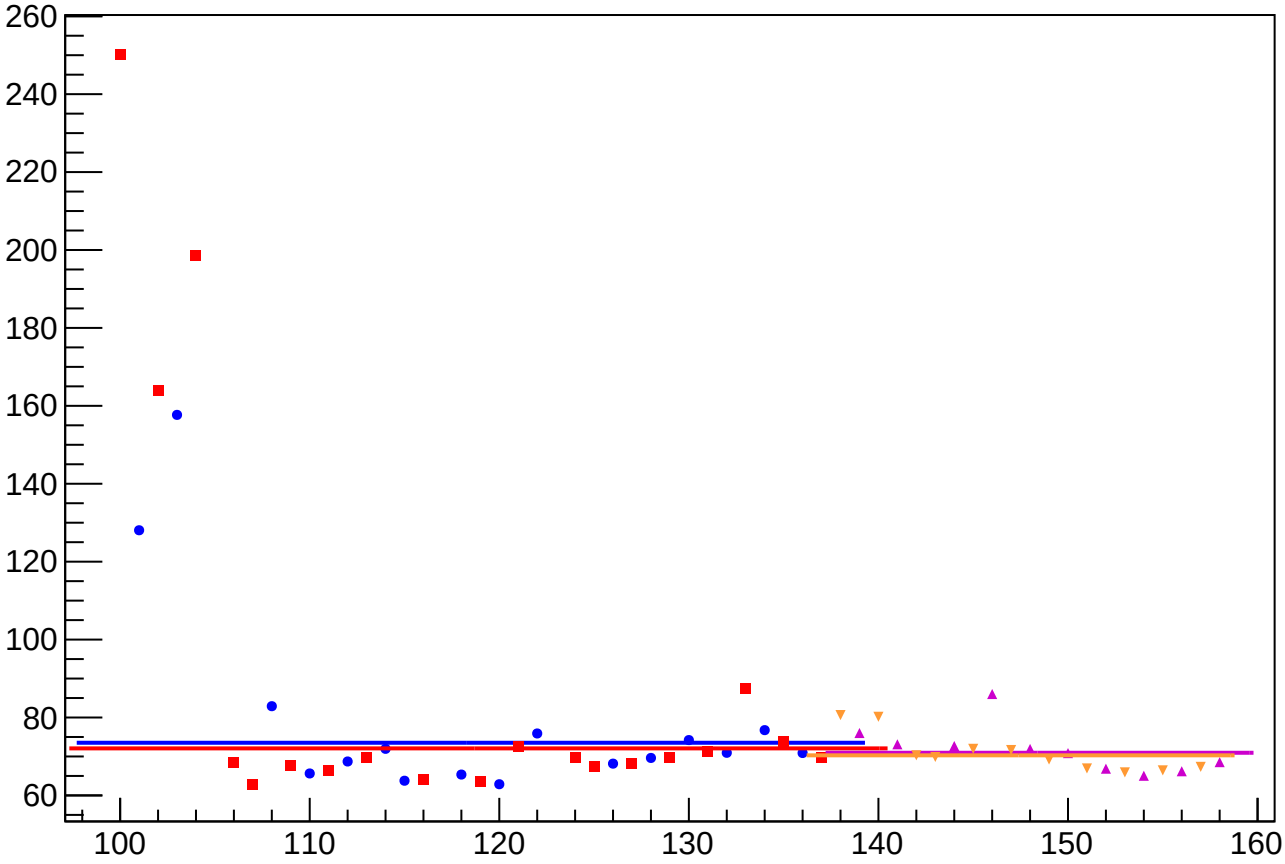
Left In: -112.339+/-24.122 χ^2/NDF:22.7/9

+ sign 35.162+/-18.227 χ^2/NDF: 41.1/26

All: -6.912+/-12.845 χ^2/NDF: 127.6/55

- sign -48.423+/-18.105 χ^2/NDF: 75.9/28

eigen_dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 70.292+/-0.017 χ^2/NDF:73014.2/10

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

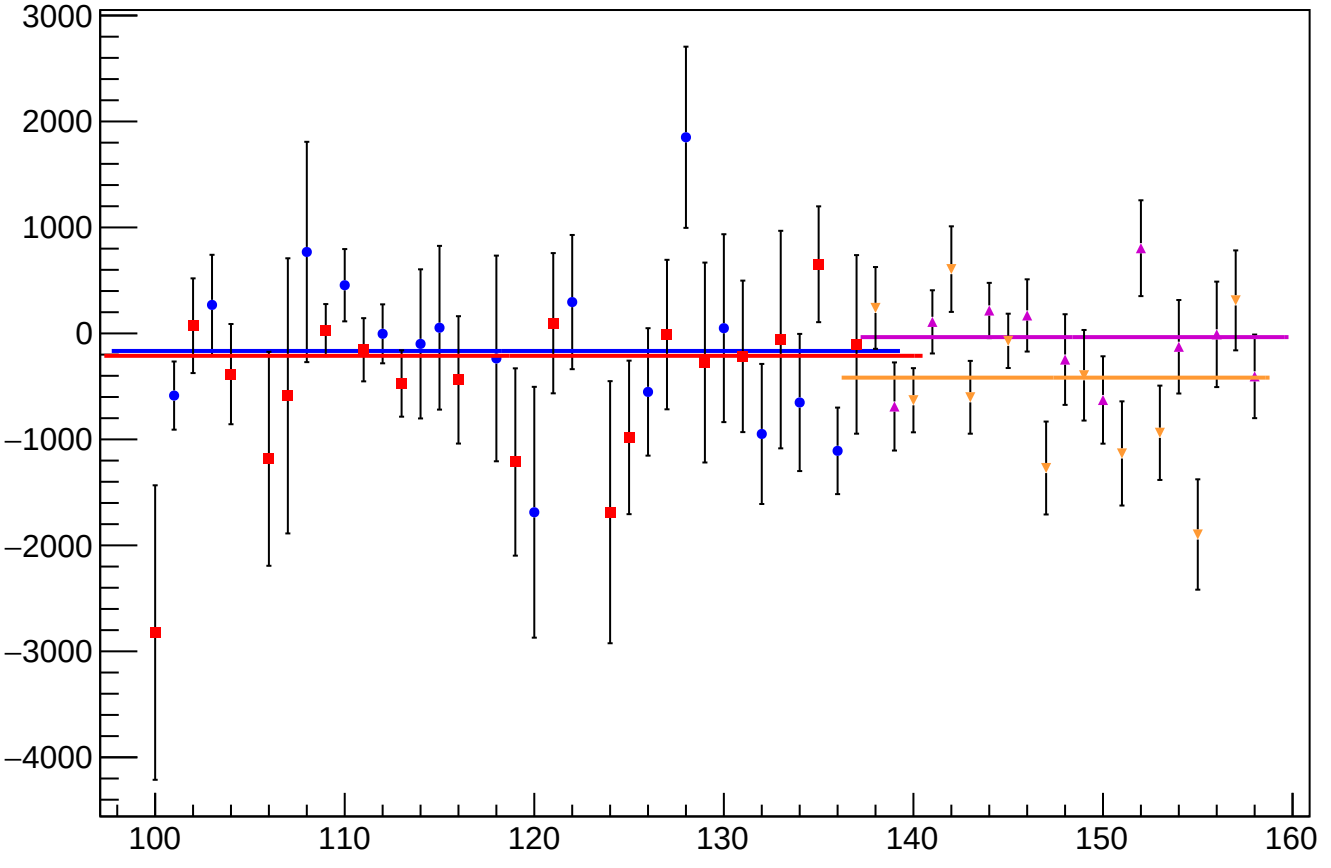
Left In: 70.950+/-0.017 χ^2/NDF:96928.9/9

+ sign 71.651+/-0.013 χ^2/NDF: 745140.6/26

All: 71.545+/-0.009 χ^2/NDF: 1802595.8/55

- sign 71.441+/-0.013 χ^2/NDF: 1057321.0/28

asym_sam7_eigen_dit_correction_mean vs Slug



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -417.341+/-115.087 χ^2/NDF:29.7/10

Right Out: -211.347+/-120.121 χ^2/NDF: 13.6/18

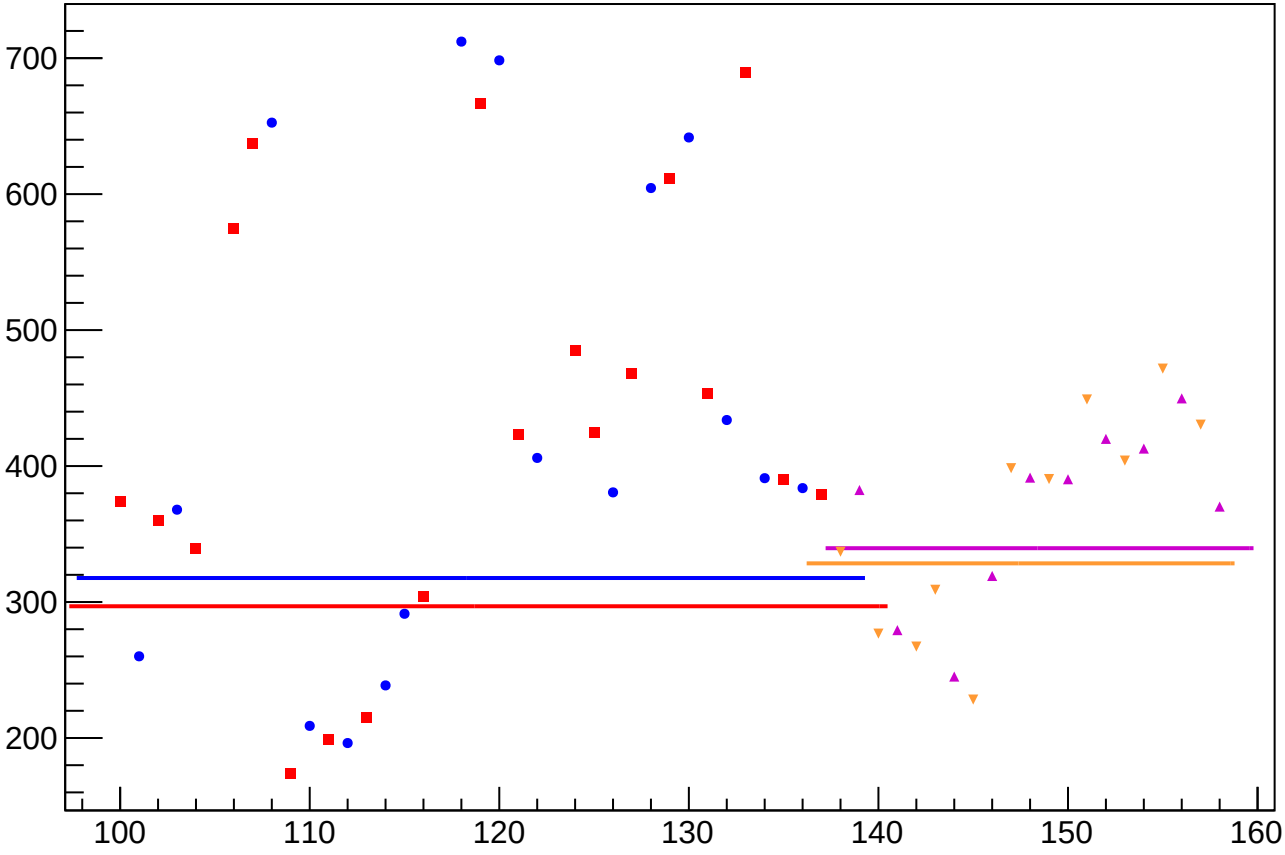
Left In: -34.895+/-117.697 χ^2/NDF:10.7/9

+ sign -305.184+/-85.711 χ^2/NDF: 54.5/26

All: -211.474+/-60.018 χ^2/NDF: 82.2/55

- sign -121.322+/-84.068 χ^2/NDF: 25.4/28

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 328.438+/-0.081 χ^2/NDF:932980.3/10

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

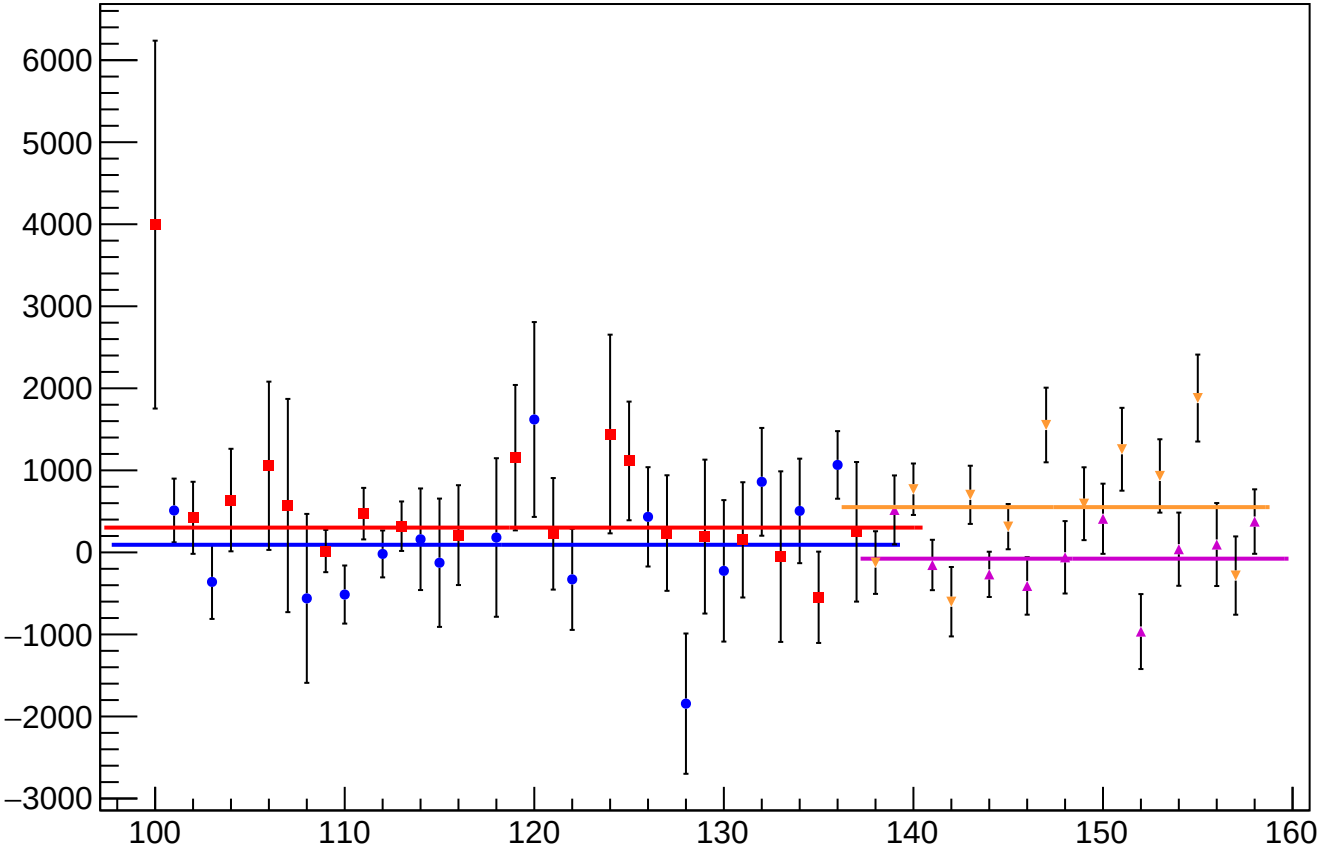
Left In: 339.587+/-0.083 χ^2/NDF:660383.1/9

+ sign 323.639+/-0.061 χ^2/NDF: 3077014.9/26

All: 321.107+/-0.042 χ^2/NDF: 6410813.9/55

- sign 318.672+/-0.059 χ^2/NDF: 3330376.1/28

asym_sam7_mean vs Slug



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 551.758+/-119.116 χ^2/NDF:28.8/10

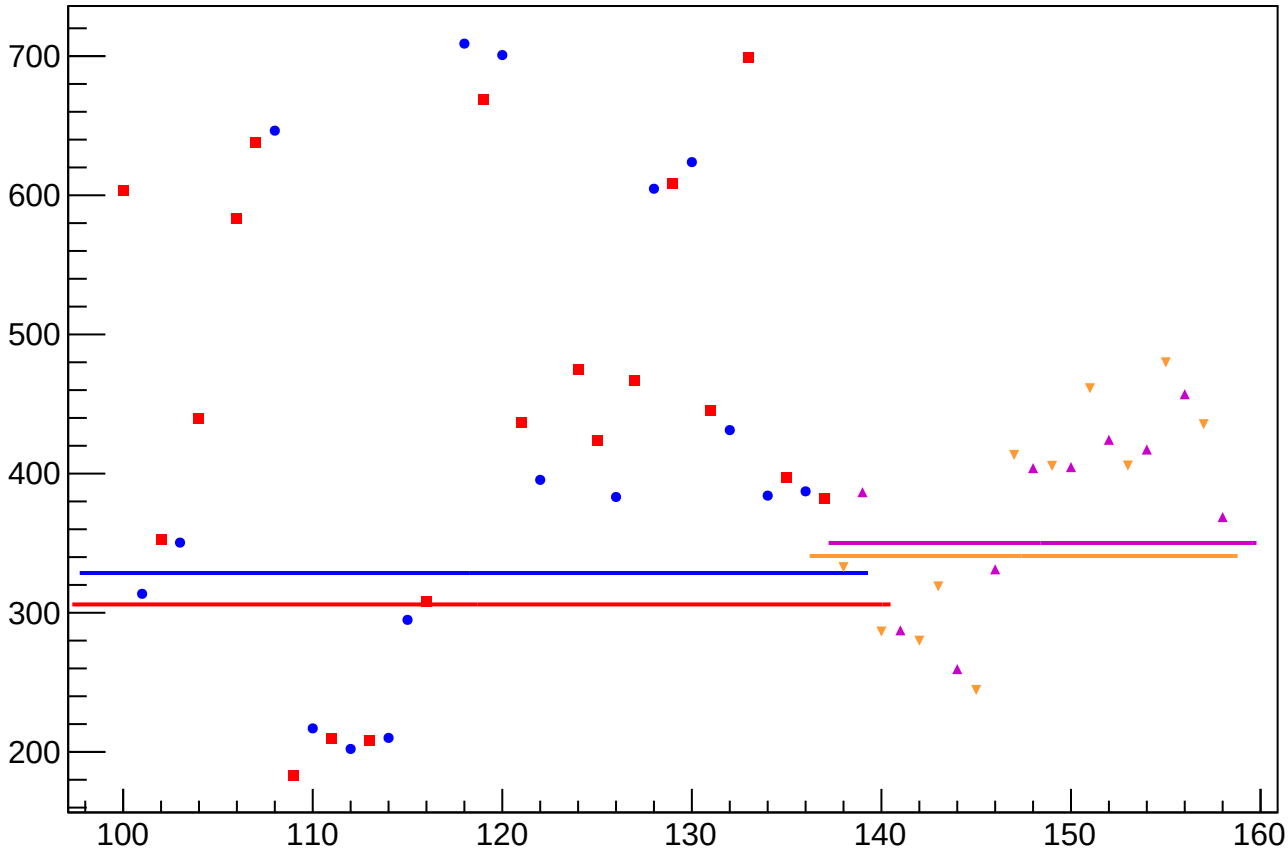
Right Out: 302.273+/-123.916 χ^2/NDF: 10.8/18

Left In: -76.521+/-120.950 χ^2/NDF:10.0/9

\+ sign 345.642+/-88.411 χ^2/NDF: 56.3/26

All: 224.446+/-61.849 χ^2/NDF: 85.6/55

\- sign 108.288+/-86.554 χ^2/NDF: 25.6/28



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 340.814+/-0.084 χ^2/NDF:819844.6/10

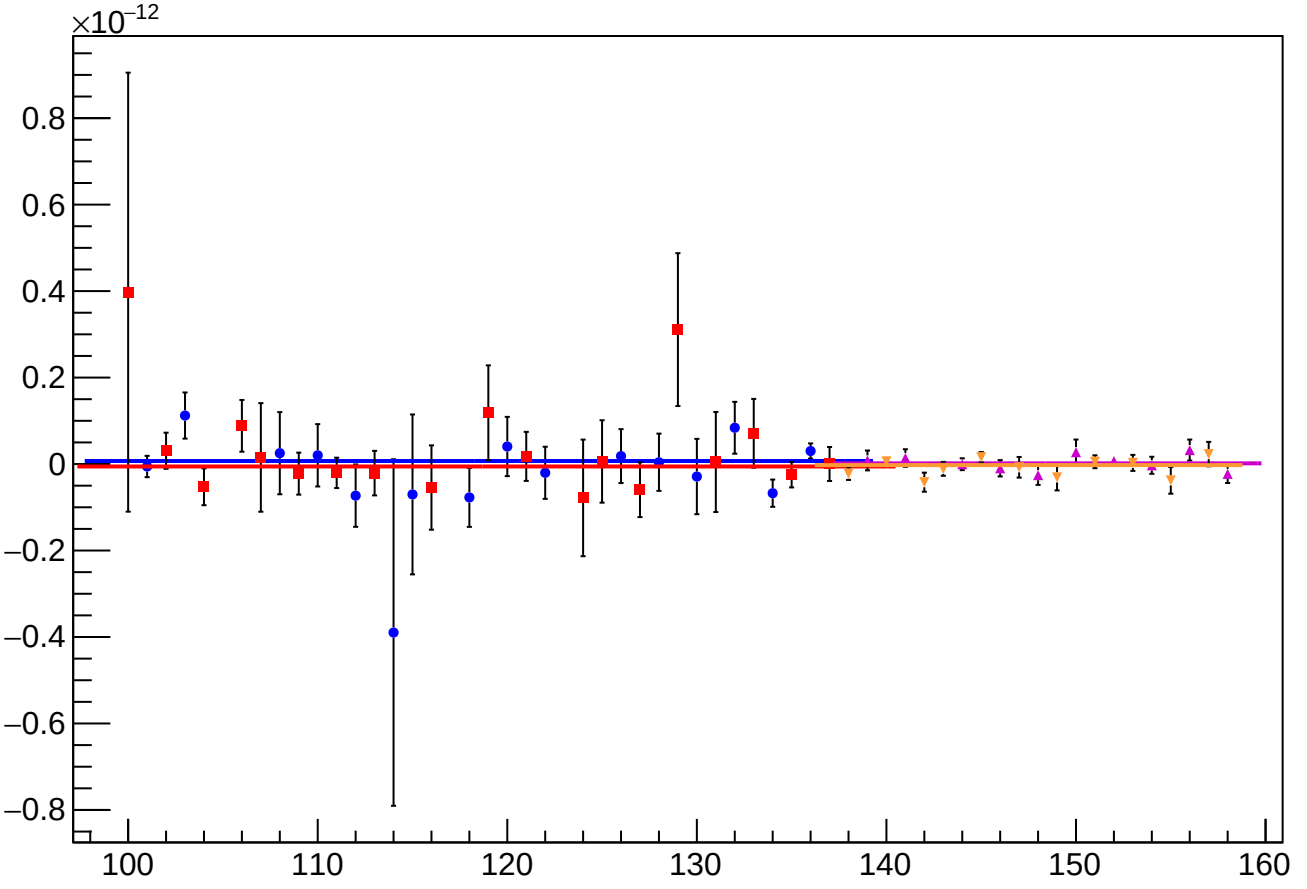
Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

Left In: 350.160+/-0.086 χ^2/NDF:574407.1/9

+ sign 335.314+/-0.063 χ^2/NDF: 2788213.8/26

All: 331.890+/-0.044 χ^2/NDF: 6026104.2/55

- sign 328.609+/-0.061 χ^2/NDF: 3232017.9/28



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.7/10

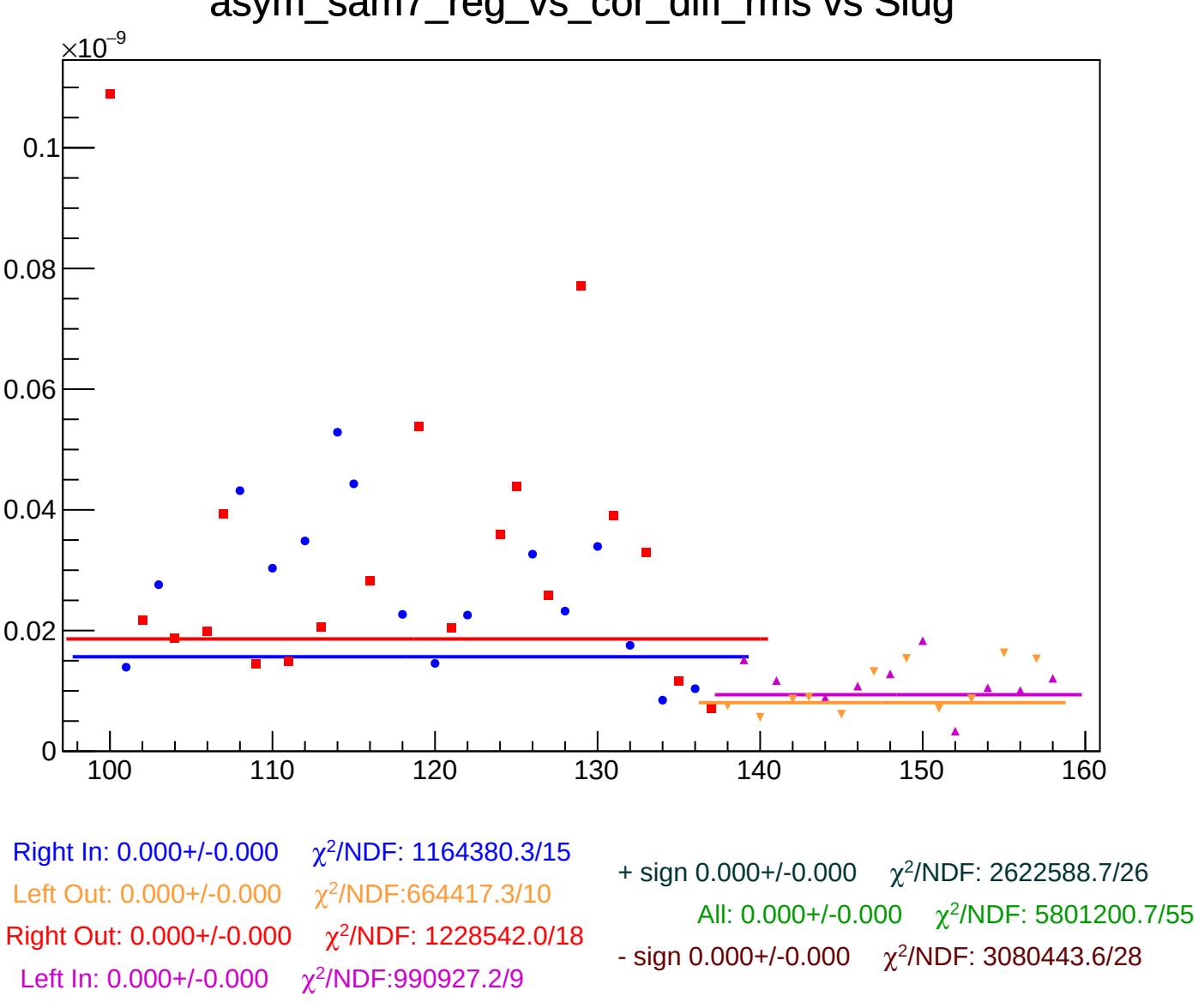
Right Out: -0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: 0.000+/-0.000 χ^2/NDF:6.3/9

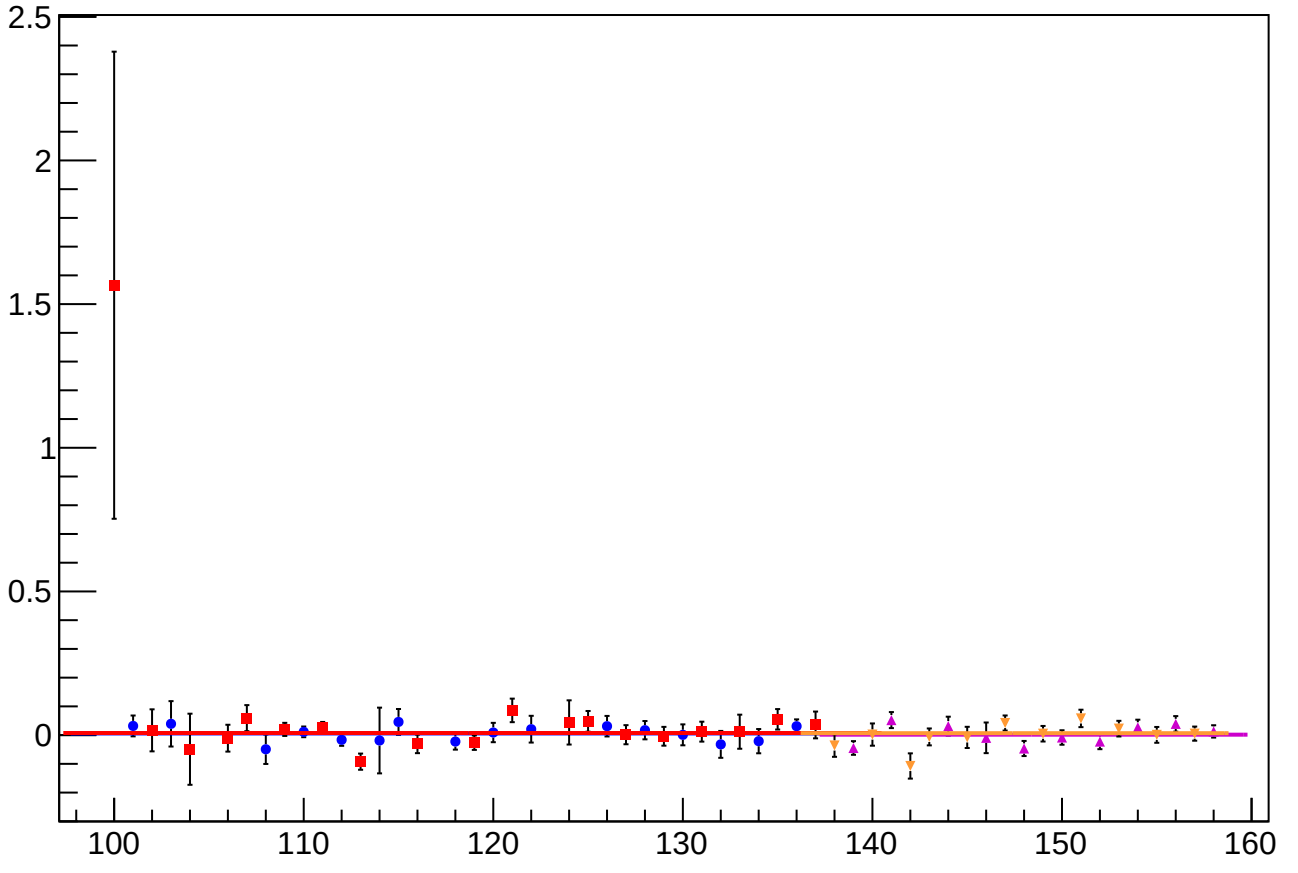
+ sign -0.000+/-0.000 χ^2/NDF: 30.1/26

All: -0.000+/-0.000 χ^2/NDF: 49.5/55

- sign 0.000+/-0.000 χ^2/NDF: 19.3/28


asym_sam7_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1164380.3/15
Left Out: 0.000+/-0.000 χ²/NDF:664417.3/10
Right Out: 0.000+/-0.000 χ²/NDF: 1228542.0/18
Left In: 0.000+/-0.000 χ²/NDF:990927.2/9
+ sign 0.000+/-0.000 χ²/NDF: 2622588.7/26
All: 0.000+/-0.000 χ²/NDF: 5801200.7/55
- sign 0.000+/-0.000 χ²/NDF: 3080443.6/28

asym_sam7_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.007+/-0.009 χ^2/NDF:13.4/10

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

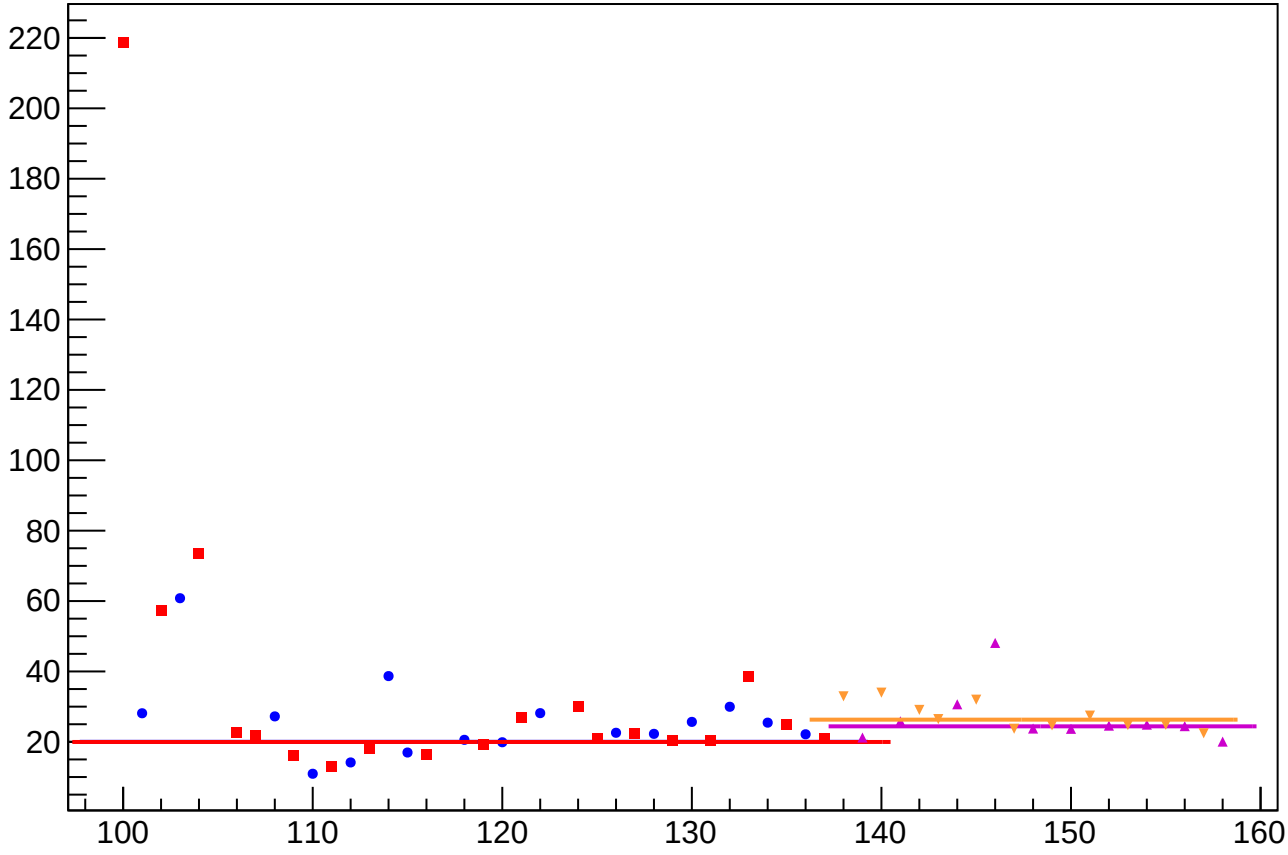
Left In: 0.002+/-0.009 χ^2/NDF:15.4/9

+ sign 0.006+/-0.006 χ^2/NDF: 21.2/26

All: 0.005+/-0.004 χ^2/NDF: 66.8/55

- sign 0.005+/-0.006 χ^2/NDF: 45.5/28

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 26.305+/-0.006 χ^2/NDF:281659.0/10

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

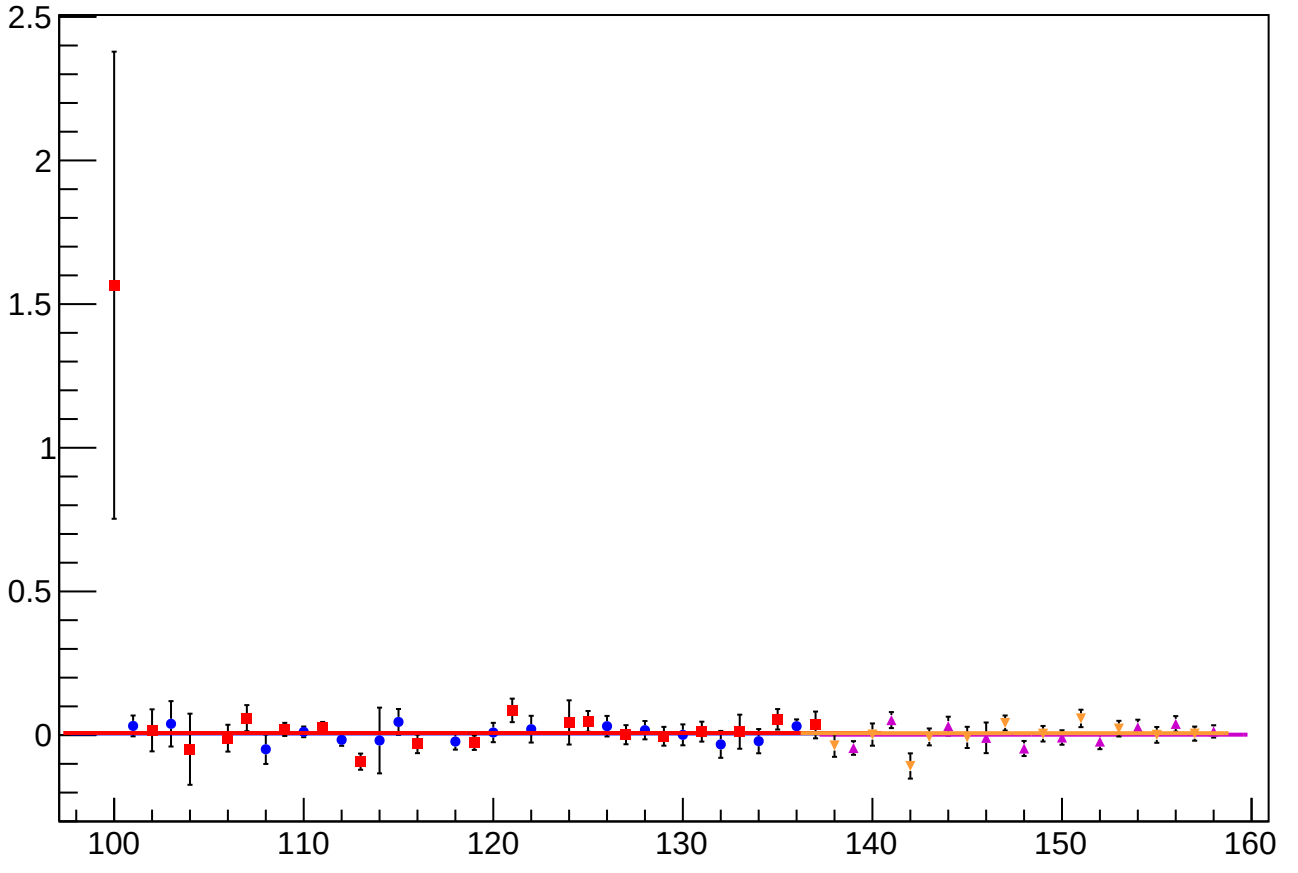
Left In: 24.404+/-0.006 χ^2/NDF:594586.4/9

+ sign 22.796+/-0.004 χ^2/NDF: 2451387.8/26

All: 22.417+/-0.003 χ^2/NDF: 5062831.6/55

- sign 22.066+/-0.004 χ^2/NDF: 2596587.0/28

asym_sam7_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.007+/-0.009 χ^2/NDF:13.4/10

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

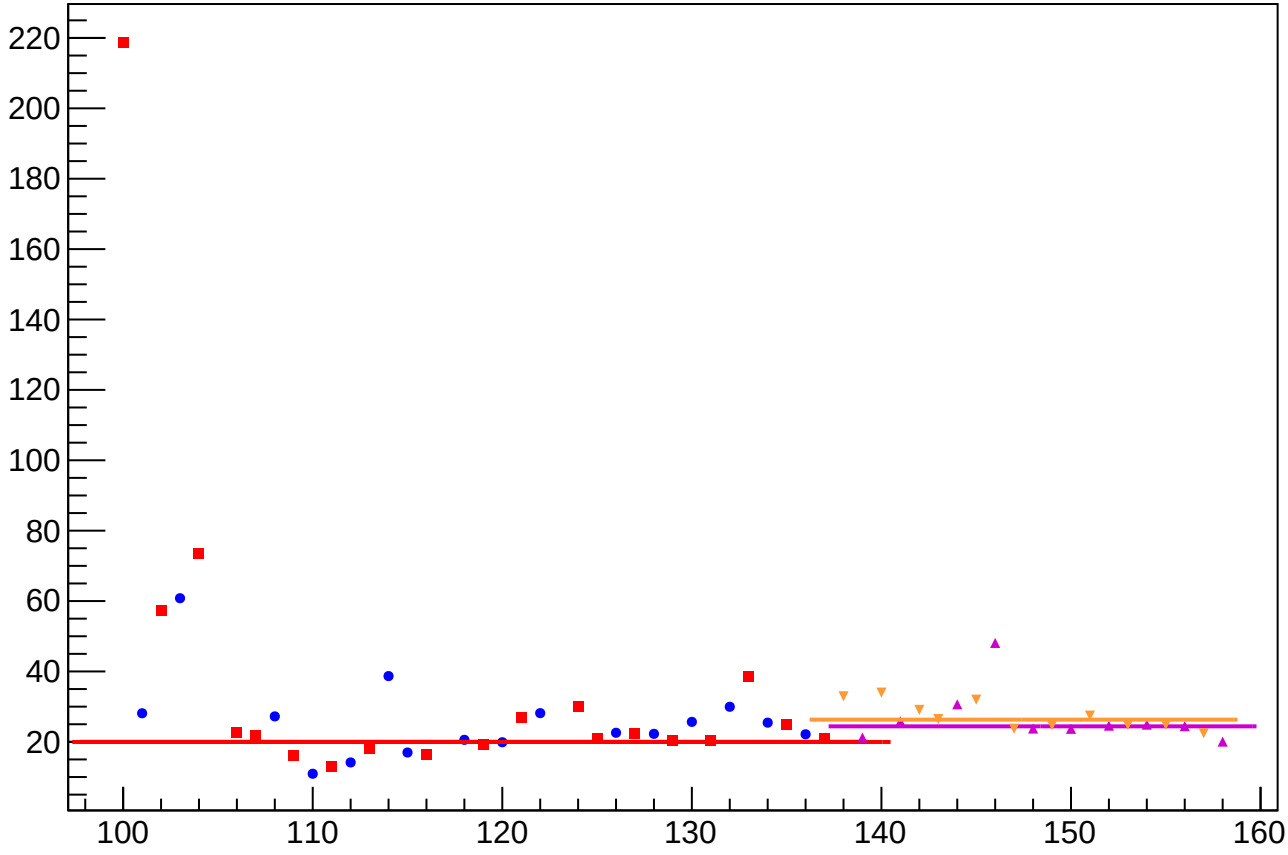
Left In: 0.002+/-0.009 χ^2/NDF:15.4/9

+ sign 0.006+/-0.006 χ^2/NDF: 21.2/26

All: 0.005+/-0.004 χ^2/NDF: 66.8/55

- sign 0.005+/-0.006 χ^2/NDF: 45.5/28

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 26.305+/-0.006 χ^2/NDF:281659.0/10

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

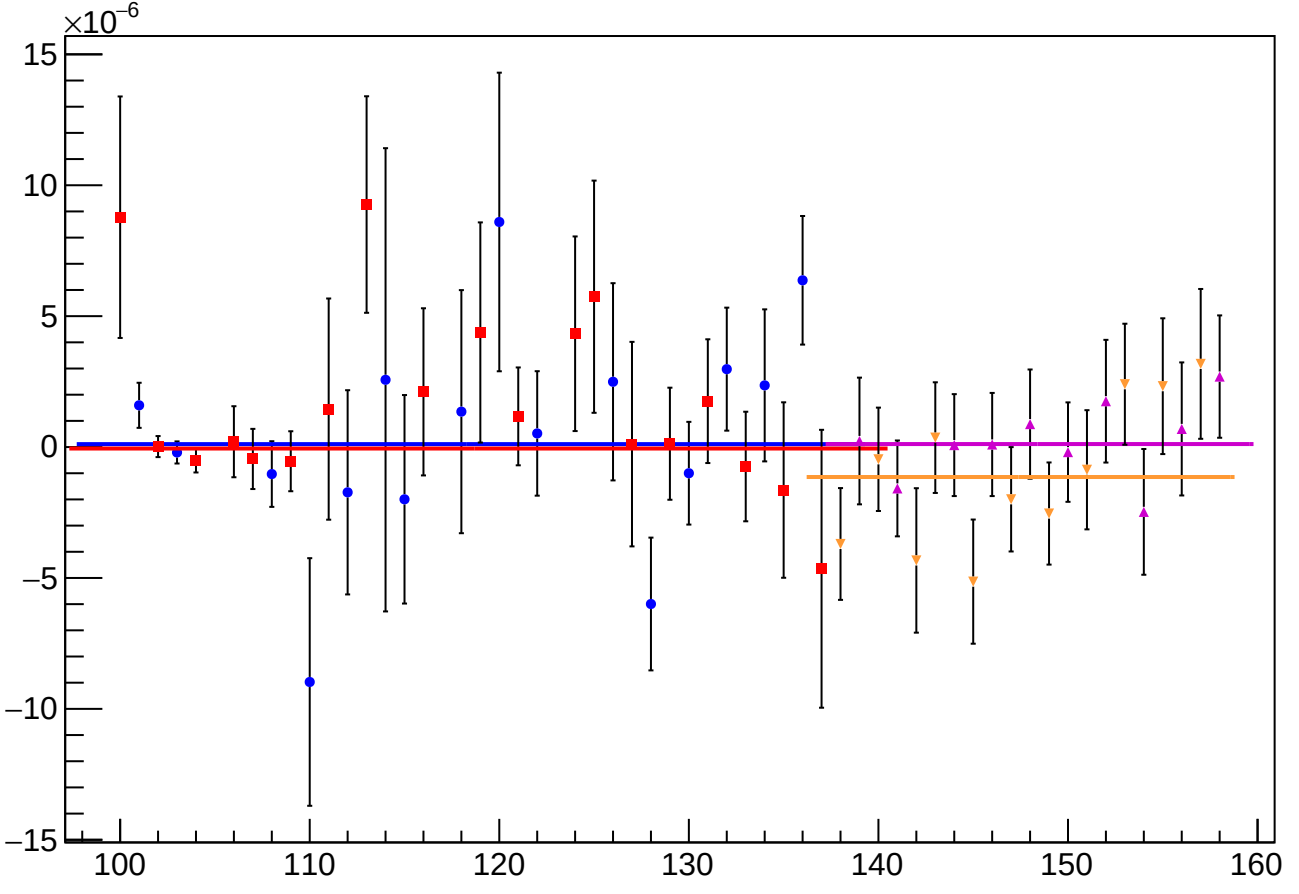
Left In: 24.404+/-0.006 χ^2/NDF:594586.4/9

+ sign 22.796+/-0.004 χ^2/NDF: 2451387.8/26

All: 22.417+/-0.003 χ^2/NDF: 5062831.6/55

- sign 22.066+/-0.004 χ^2/NDF: 2596587.0/28

asym_sam7_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.4/10

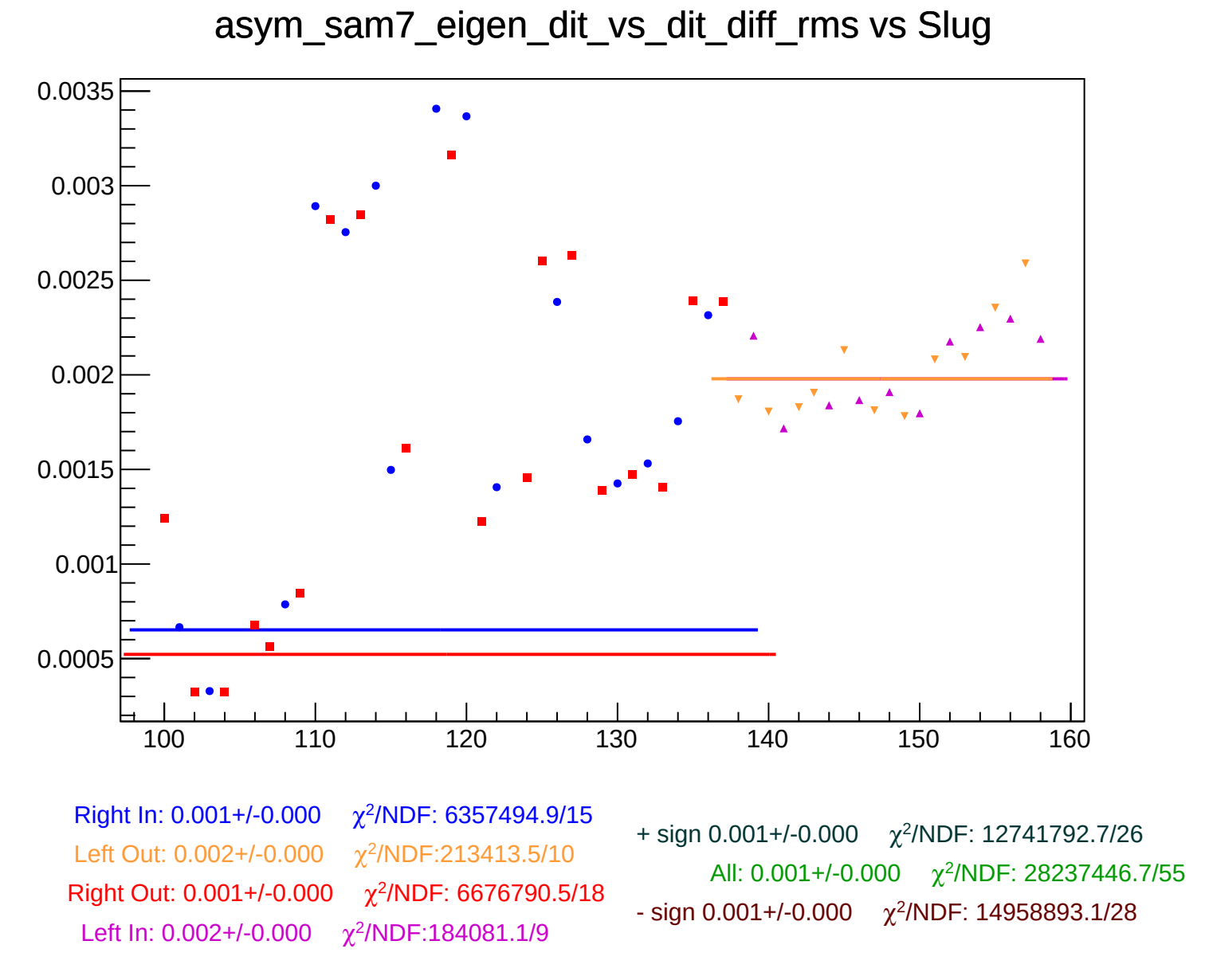
Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/18

Left In: 0.000+/-0.000 χ^2/NDF:3.9/9

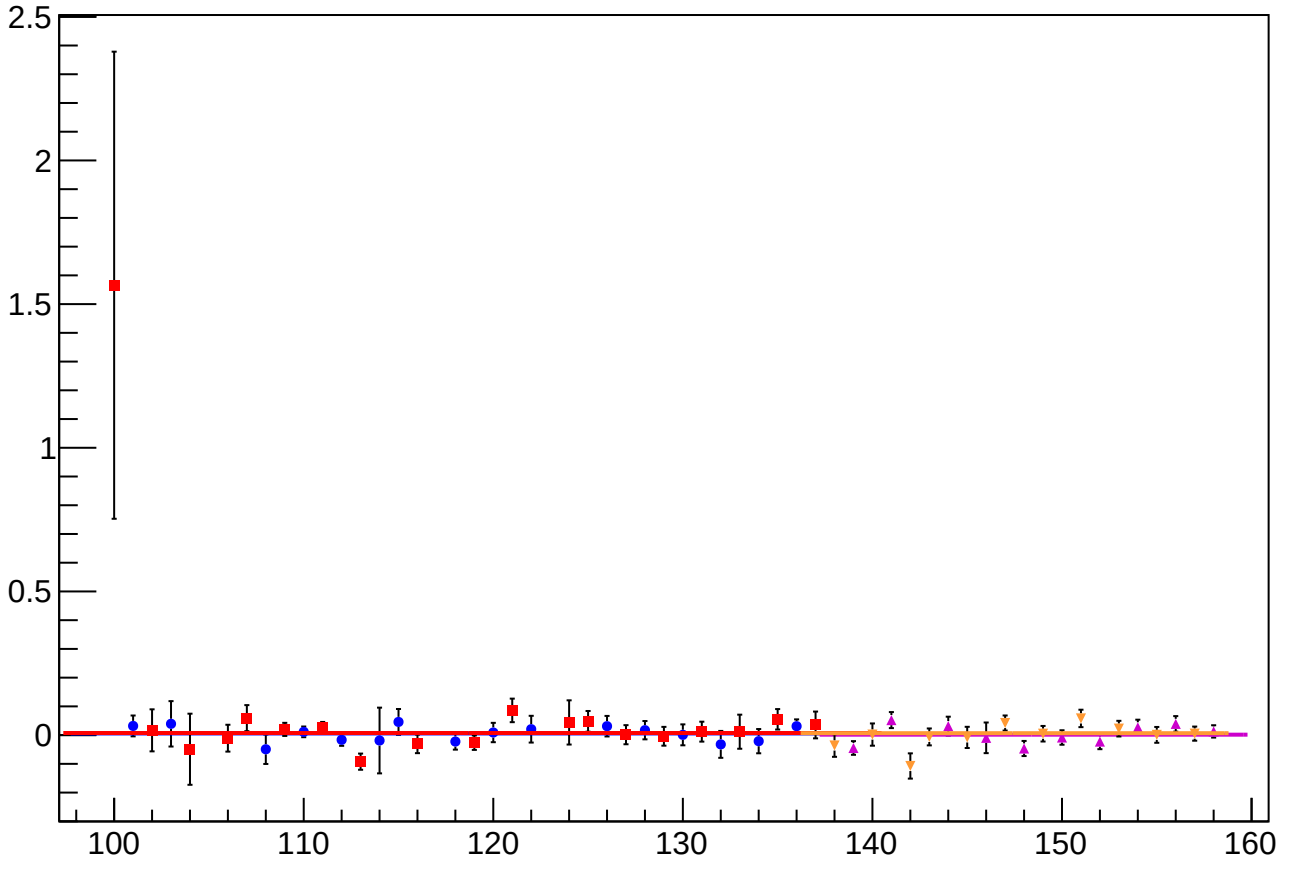
+ sign -0.000+/-0.000 χ^2/NDF: 42.2/26

All: -0.000+/-0.000 χ^2/NDF: 63.3/55

- sign -0.000+/-0.000 χ^2/NDF: 21.1/28


asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 6357494.9/15
Left Out: 0.002+/-0.000 χ²/NDF:213413.5/10
Right Out: 0.001+/-0.000 χ²/NDF: 6676790.5/18
Left In: 0.002+/-0.000 χ²/NDF:184081.1/9
+ sign 0.001+/-0.000 χ²/NDF: 12741792.7/26
All: 0.001+/-0.000 χ²/NDF: 28237446.7/55
- sign 0.001+/-0.000 χ²/NDF: 14958893.1/28

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.007+/-0.009 χ^2/NDF:13.4/10

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

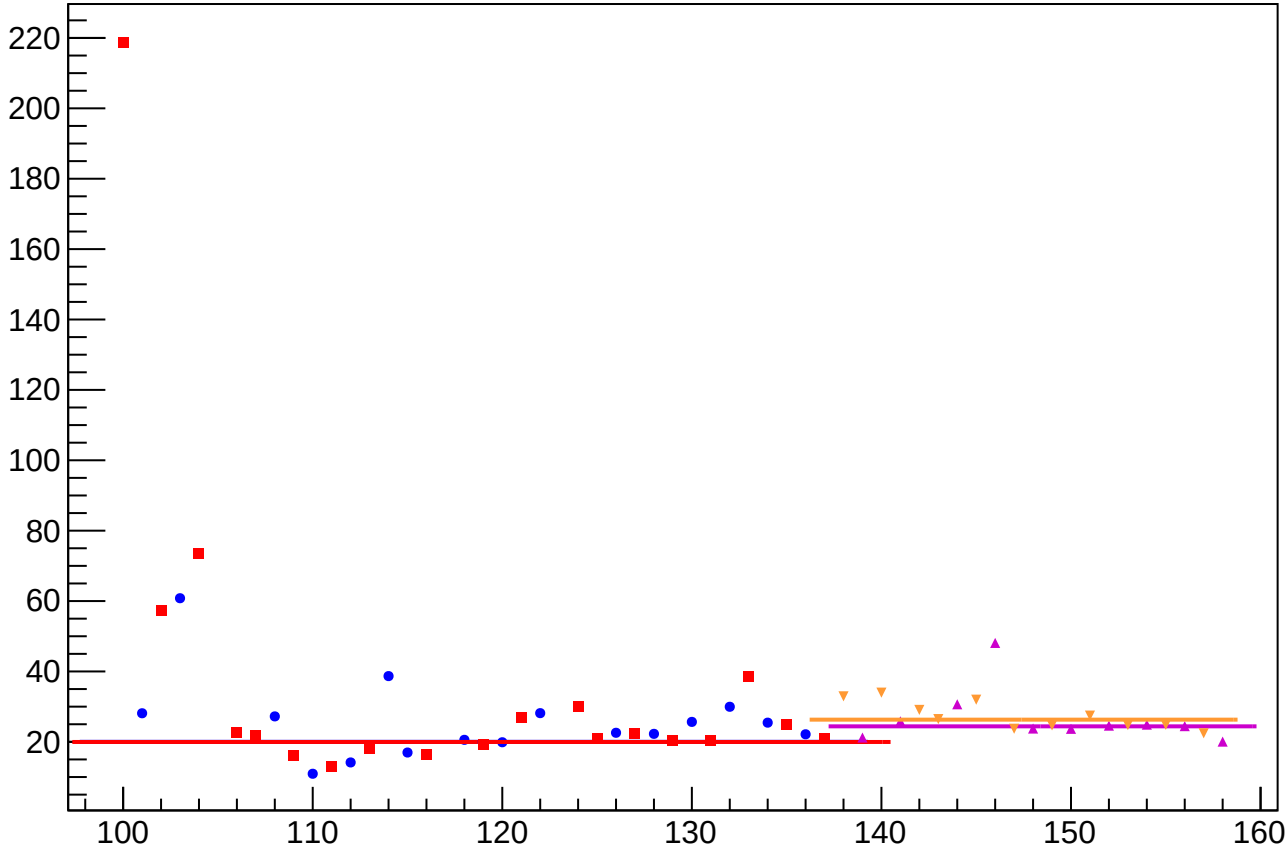
Left In: 0.002+/-0.009 χ^2/NDF:15.4/9

+ sign 0.006+/-0.006 χ^2/NDF: 21.2/26

All: 0.005+/-0.004 χ^2/NDF: 66.8/55

- sign 0.005+/-0.006 χ^2/NDF: 45.5/28

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 26.305+/-0.006 χ^2/NDF:281670.1/10

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

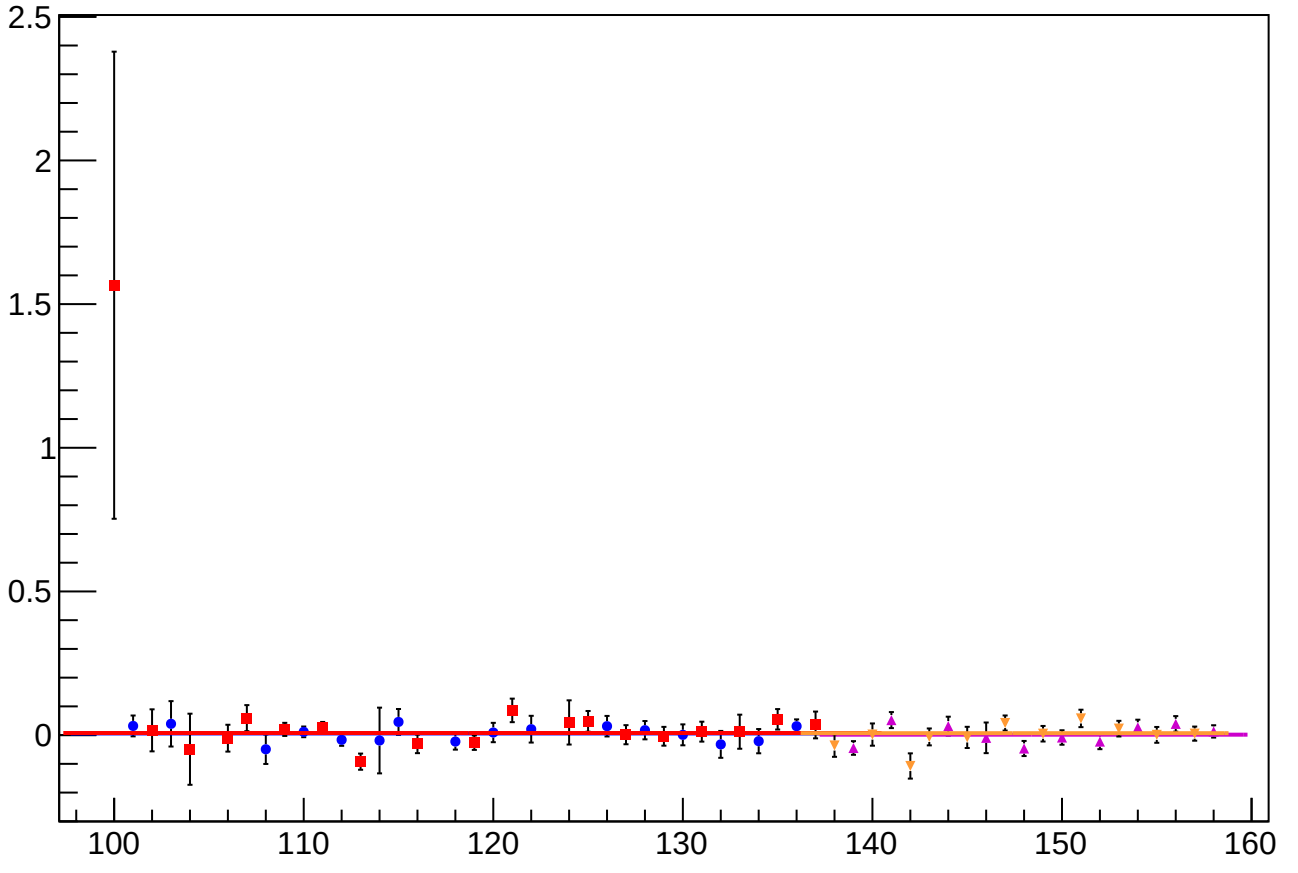
Left In: 24.404+/-0.006 χ^2/NDF:594605.5/9

+ sign 22.796+/-0.004 χ^2/NDF: 2451150.9/26

All: 22.418+/-0.003 χ^2/NDF: 5062538.1/55

- sign 22.066+/-0.004 χ^2/NDF: 2596519.3/28

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.007+/-0.009 χ^2/NDF:13.4/10

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

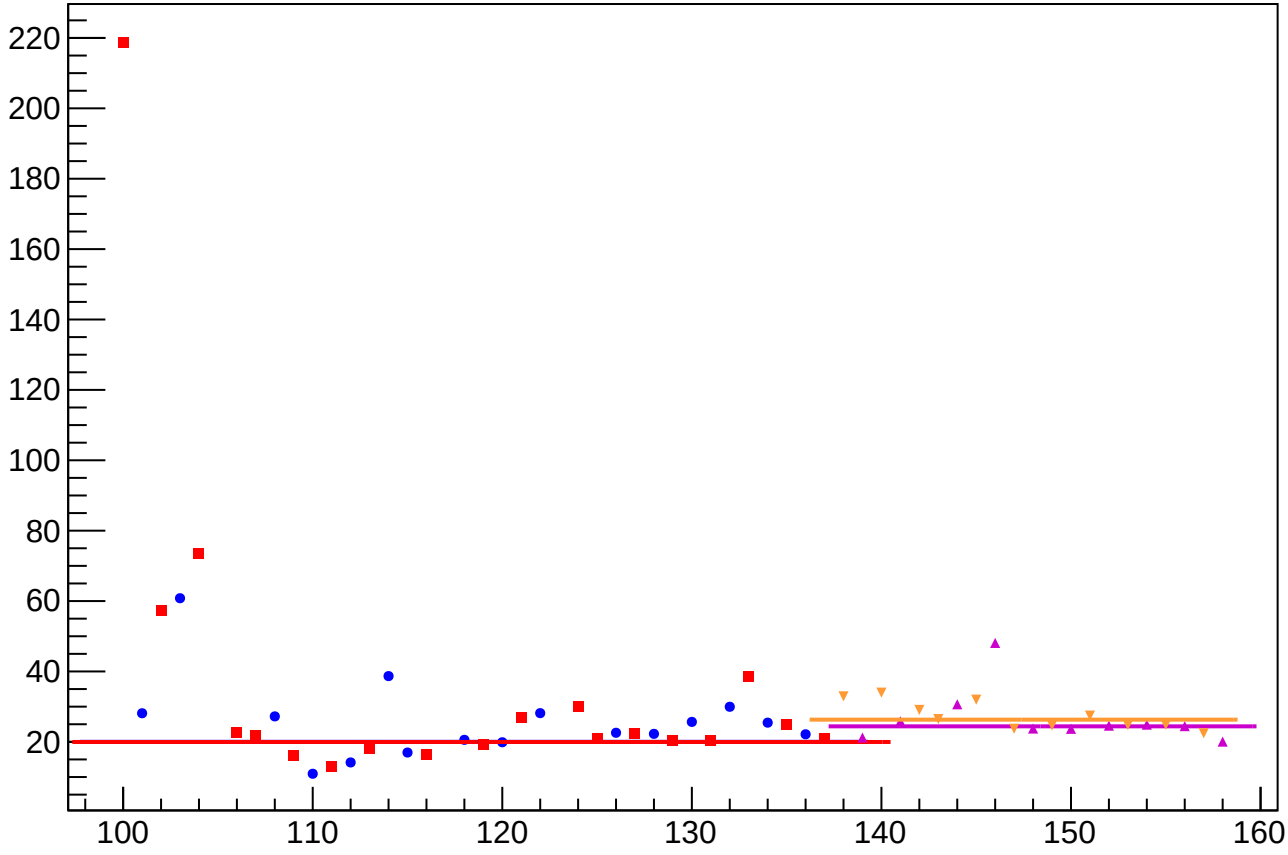
Left In: 0.002+/-0.009 χ^2/NDF:15.4/9

+ sign 0.006+/-0.006 χ^2/NDF: 21.2/26

All: 0.005+/-0.004 χ^2/NDF: 66.8/55

- sign 0.005+/-0.006 χ^2/NDF: 45.5/28

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 26.305+/-0.006 χ^2/NDF:281670.1/10

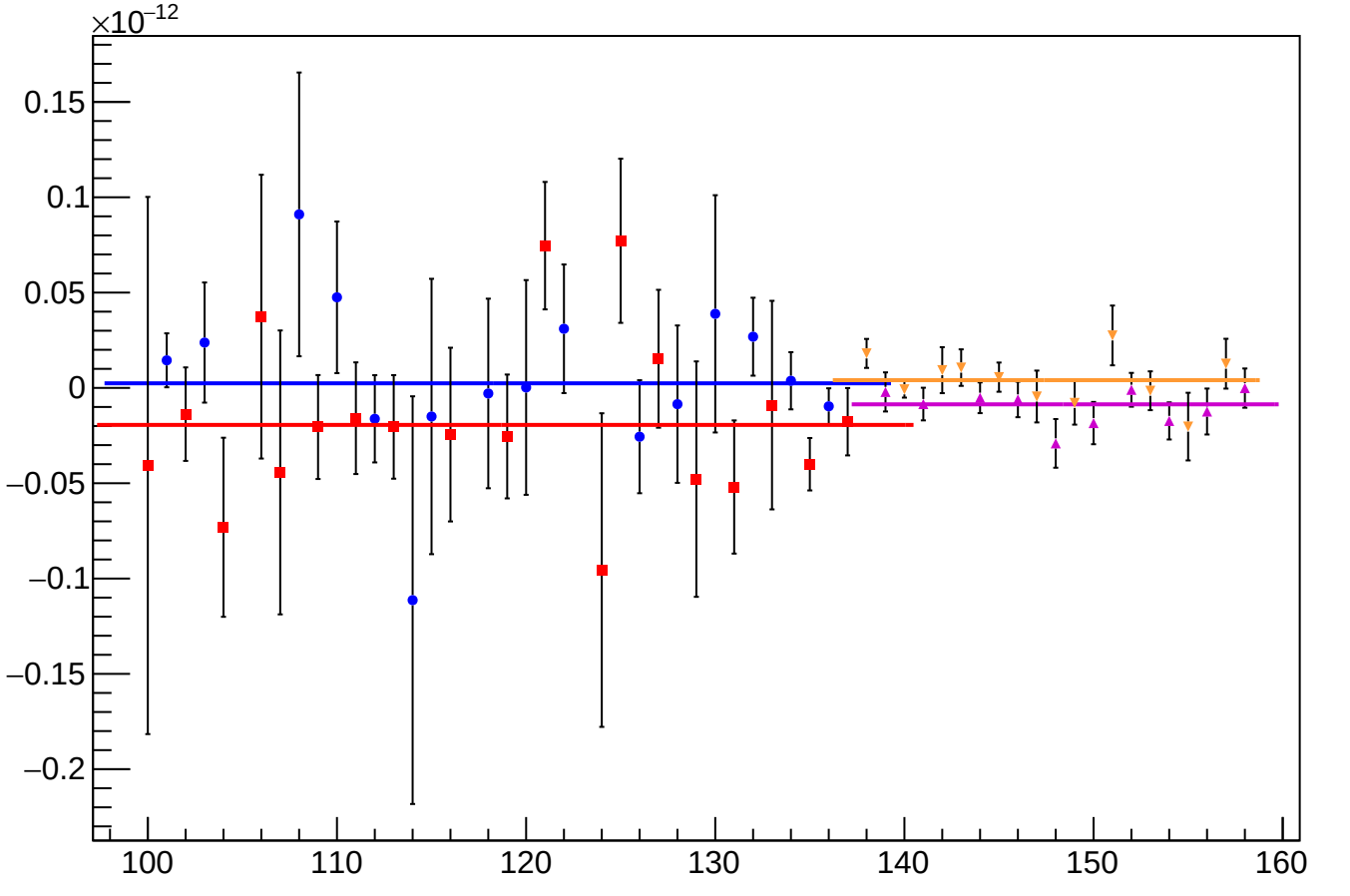
Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 24.404+/-0.006 χ^2/NDF:594605.5/9

+ sign 22.796+/-0.004 χ^2/NDF: 2451150.9/26

All: 22.418+/-0.003 χ^2/NDF: 5062538.1/55

- sign 22.066+/-0.004 χ^2/NDF: 2596519.3/28



Right In: 0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.7/10

Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

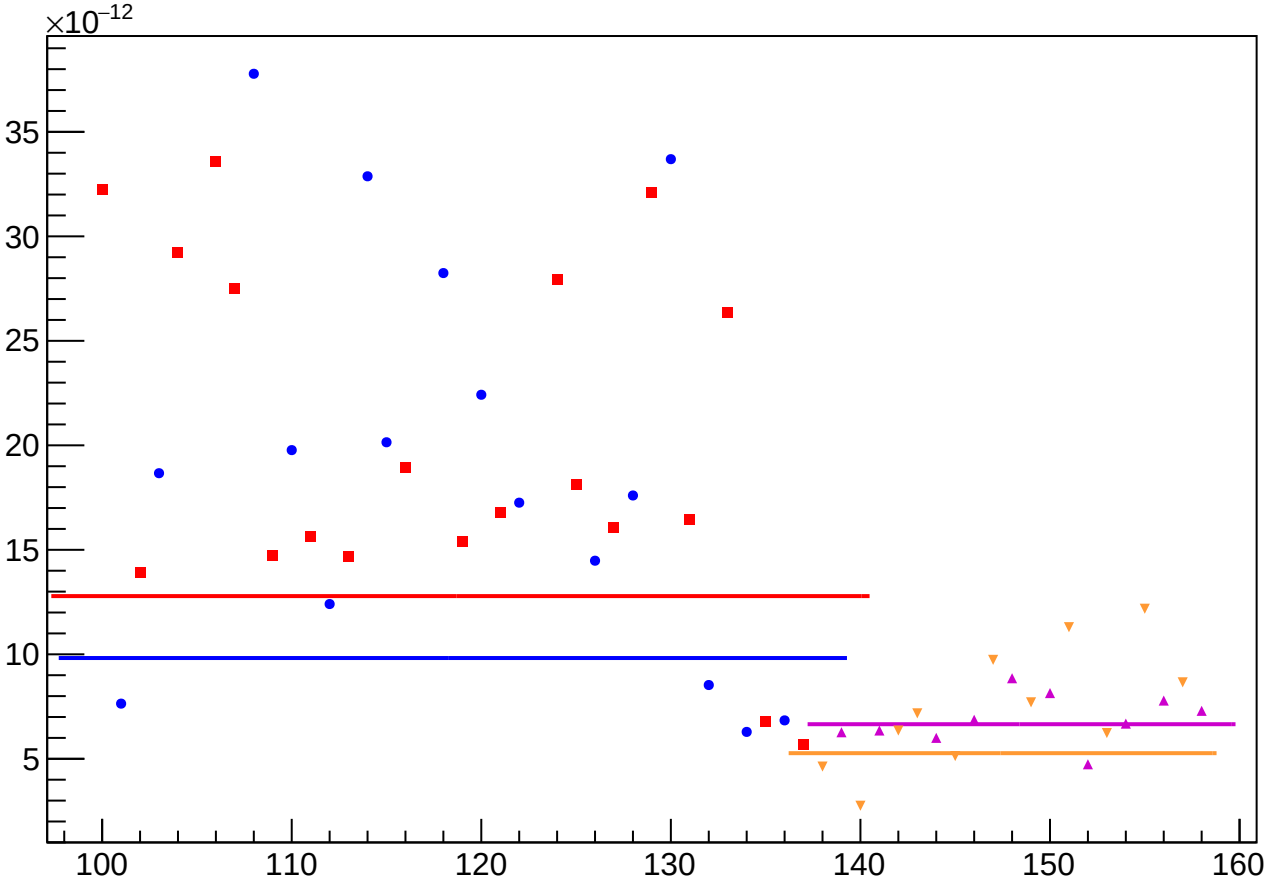
Left In: -0.000+/-0.000 χ^2/NDF:6.3/9

+ sign 0.000+/-0.000 χ^2/NDF: 22.6/26

All: -0.000+/-0.000 χ^2/NDF: 65.5/55

- sign -0.000+/-0.000 χ^2/NDF: 28.5/28

asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1977074.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1839096.8/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1798852.4/18

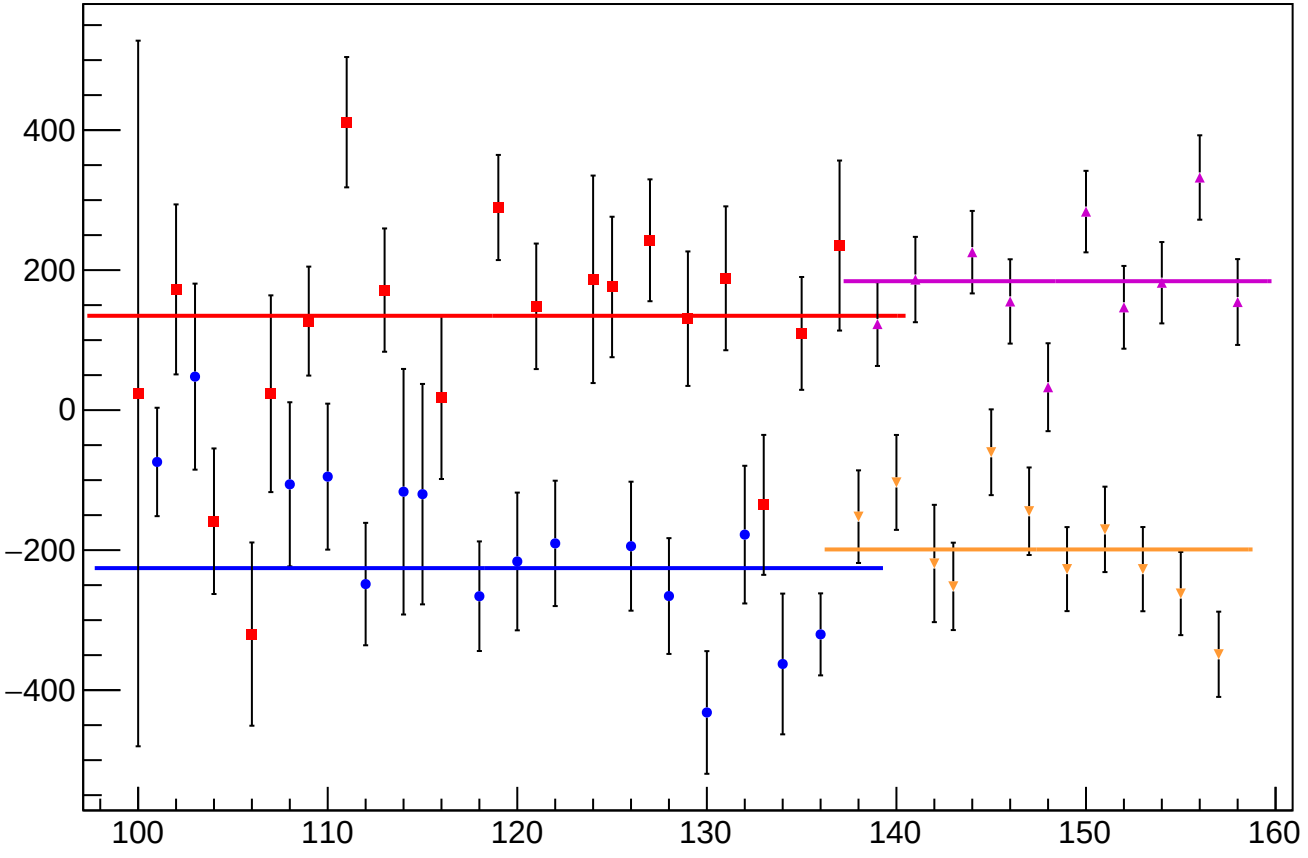
Left In: 0.000+/-0.000 χ^2/NDF:233852.4/9

+ sign 0.000+/-0.000 χ^2/NDF: 4859649.0/26

All: 0.000+/-0.000 χ^2/NDF: 8509785.2/55

- sign 0.000+/-0.000 χ^2/NDF: 3297231.9/28

reg_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -199.022+/-19.095 χ^2/NDF:17.0/10

Right Out: 134.762+/-23.192 χ^2/NDF: 45.3/18

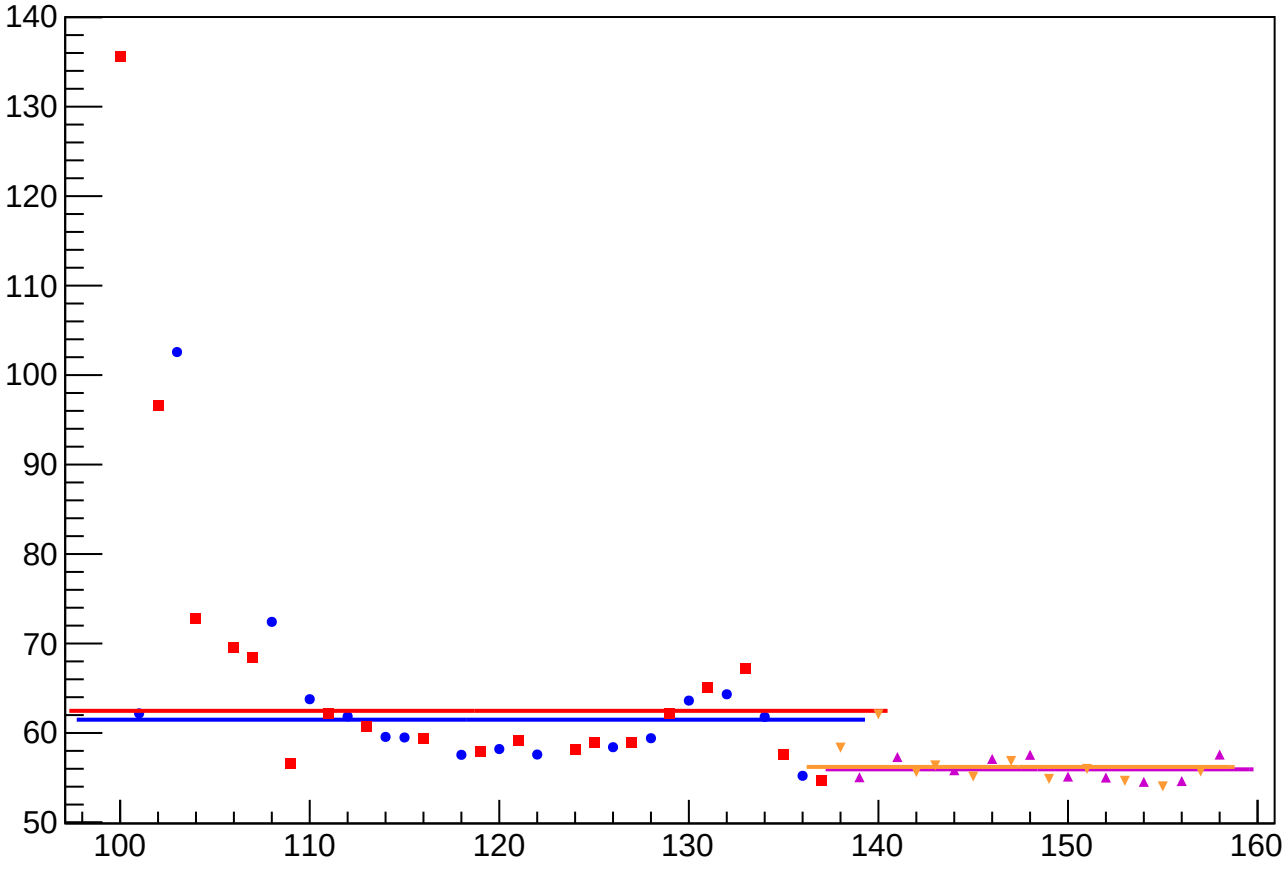
Left In: 184.174+/-18.954 χ^2/NDF:17.2/9

+ sign -209.837+/-14.722 χ^2/NDF: 40.4/26

All: -22.140+/-10.394 χ^2/NDF: 429.6/55

- sign 164.386+/-14.676 χ^2/NDF: 65.2/28

reg_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 56.205+/-0.014 χ^2/NDF:23288.6/10

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

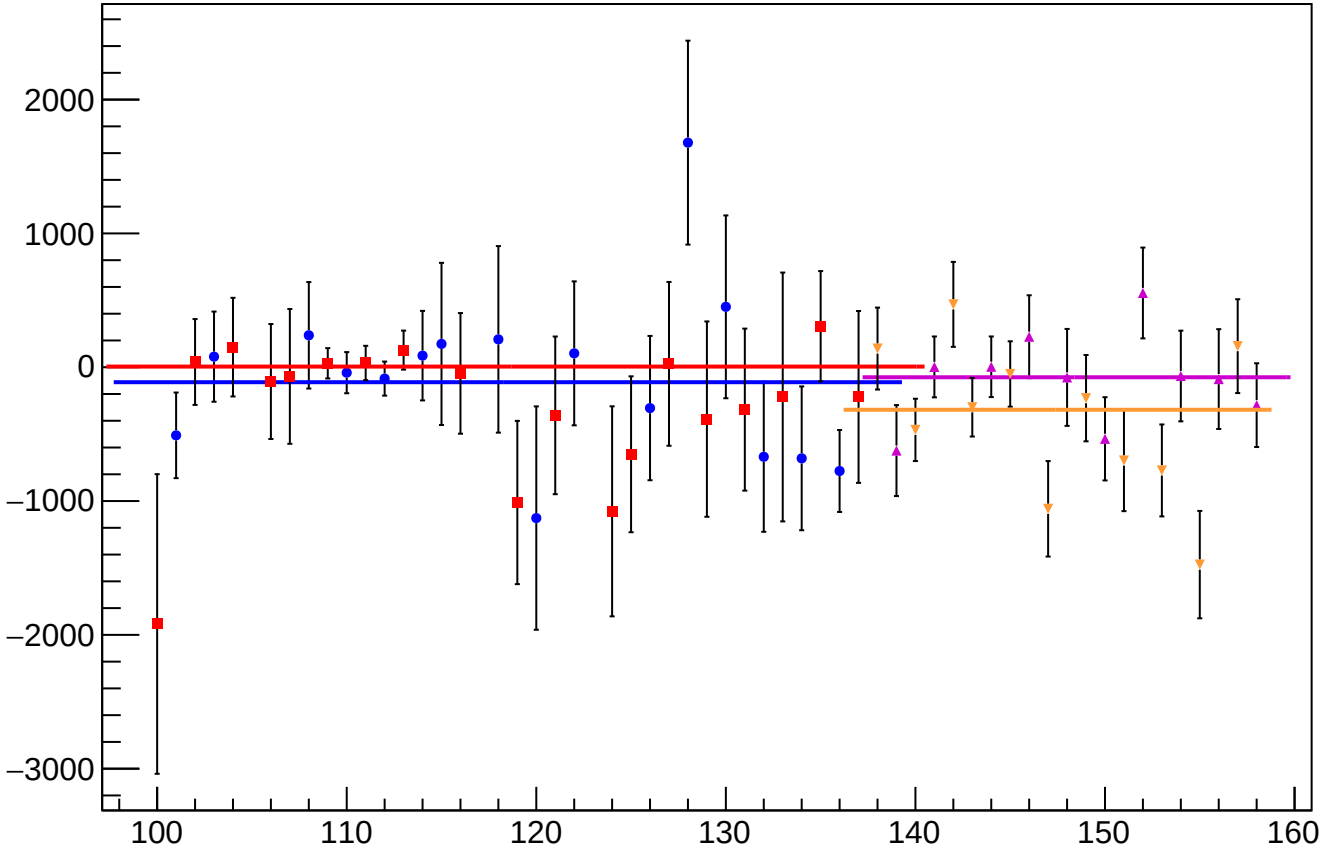
Left In: 55.937+/-0.013 χ^2/NDF:7949.3/9

+ sign 58.347+/-0.010 χ^2/NDF: 335988.5/26

All: 58.452+/-0.007 χ^2/NDF: 720599.6/55

- sign 58.556+/-0.010 χ^2/NDF: 384409.2/28

asym_sam8_reg_correction_mean vs Slug



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -317.763+/-89.820 χ^2/NDF:27.3/10

Right Out: 4.893+/-63.933 χ^2/NDF: 11.6/18

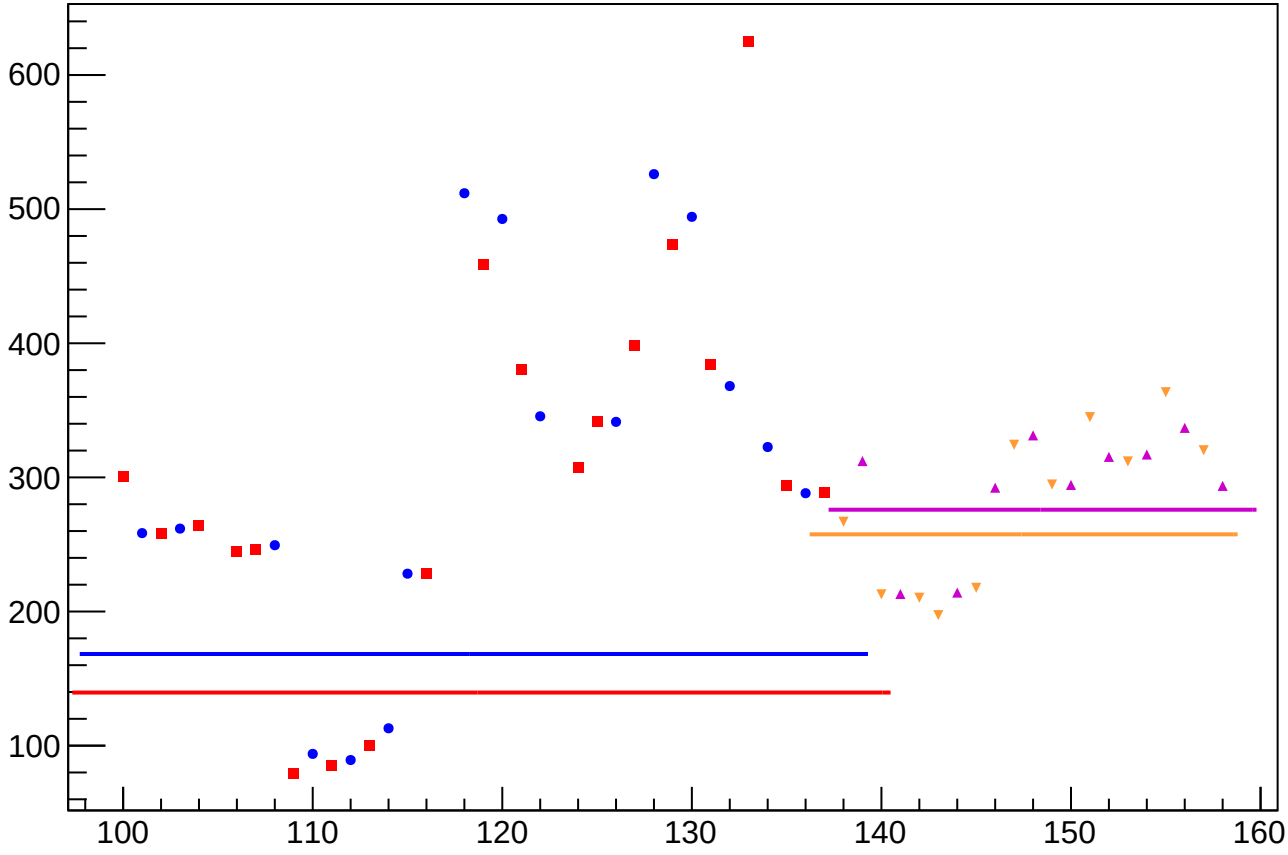
Left In: -74.931+/-95.053 χ^2/NDF:9.9/9

+ sign -198.063+/-58.112 χ^2/NDF: 48.8/26

All: -100.922+/-39.179 χ^2/NDF: 75.9/55

- sign -19.971+/-53.049 χ^2/NDF: 22.0/28

asym_sam8_reg_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 257.549+/-0.064 χ^2/NDF:781500.9/10

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

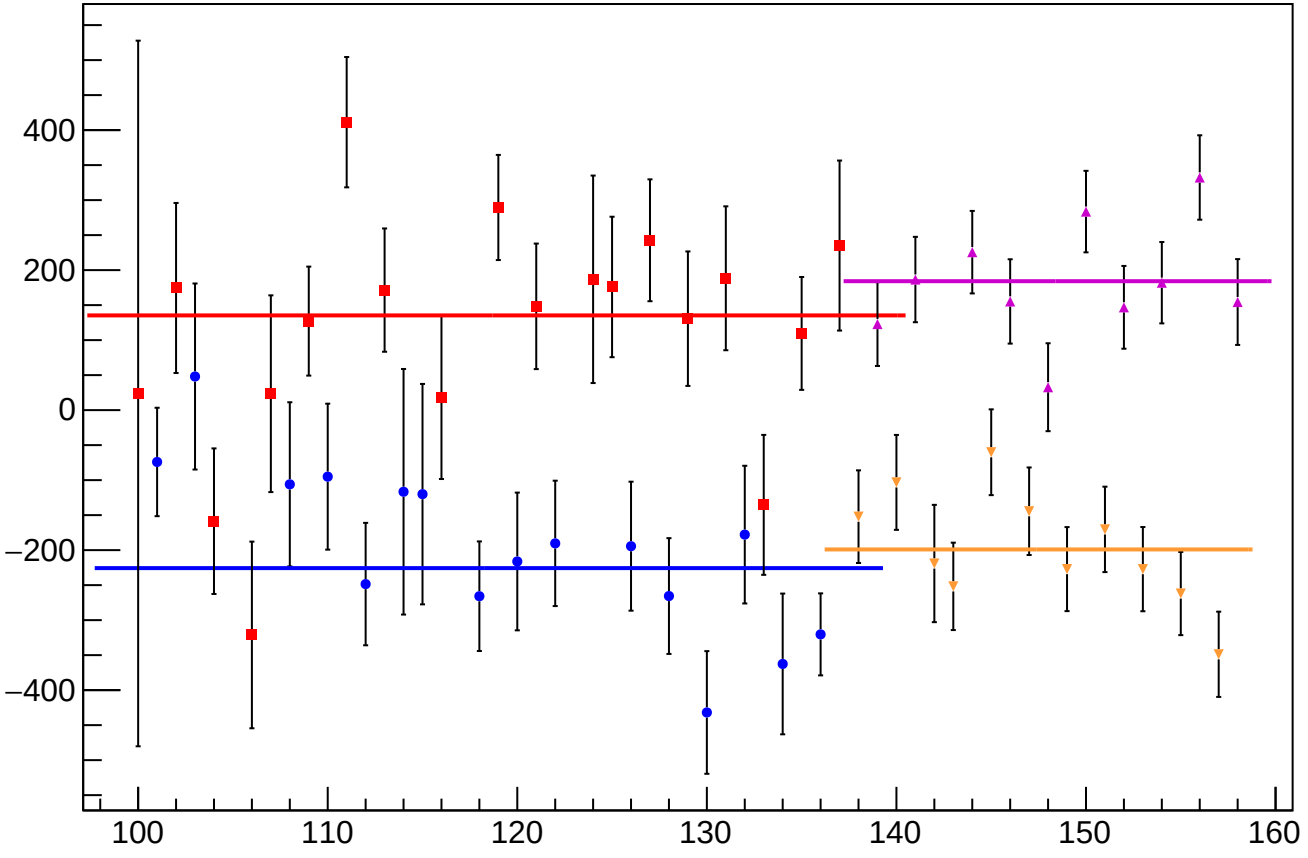
Left In: 275.912+/-0.067 χ^2/NDF:500332.0/9

+ sign 205.676+/-0.041 χ^2/NDF: 6472860.2/26

All: 192.791+/-0.028 χ^2/NDF: 15139818.7/55

- sign 182.054+/-0.038 χ^2/NDF: 8486713.1/28

cor_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -199.021+/-19.095 χ^2/NDF:17.0/10

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

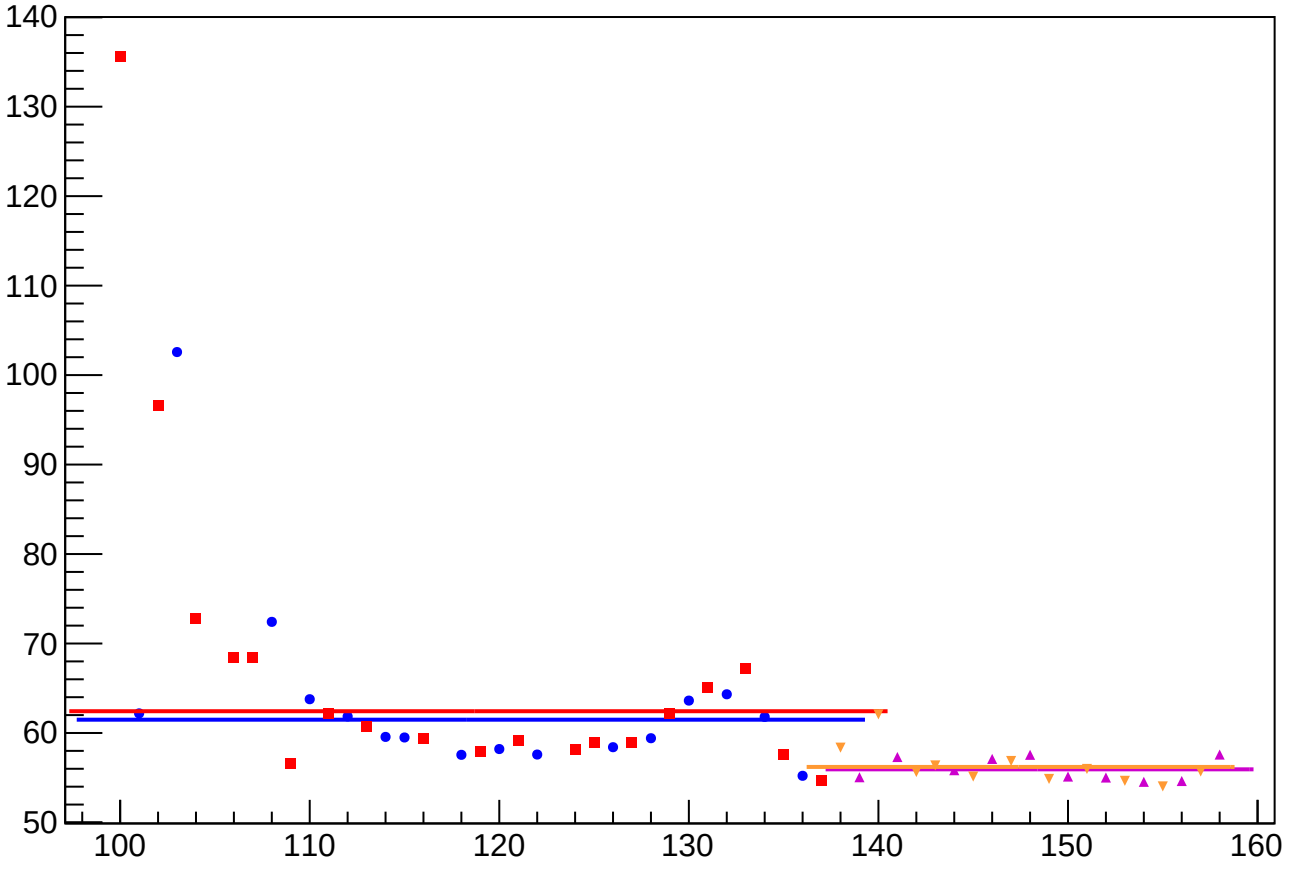
Left In: 184.174+/-18.954 χ^2/NDF:17.2/9

+ sign -209.837+/-14.722 χ^2/NDF: 40.4/26

All: -22.066+/-10.395 χ^2/NDF: 429.5/55

- sign 164.620+/-14.680 χ^2/NDF: 64.7/28

cor_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.205+/-0.014 χ^2/NDF:23288.6/10

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

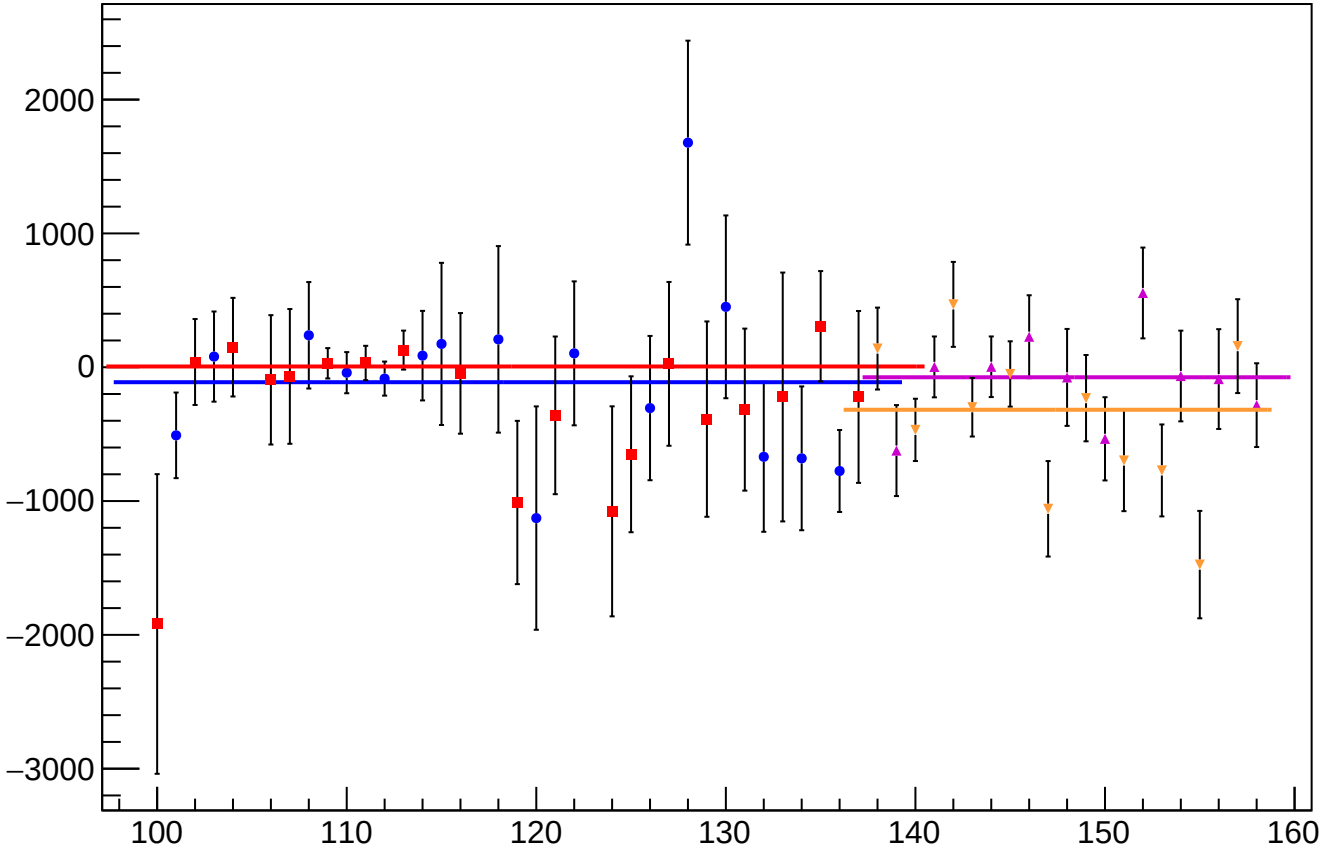
Left In: 55.937+/-0.013 χ^2/NDF:7949.3/9

+ sign 58.347+/-0.010 χ^2/NDF: 335991.1/26

All: 58.442+/-0.007 χ^2/NDF: 717510.6/55

- sign 58.537+/-0.010 χ^2/NDF: 381352.7/28

asym_sam8_cor_correction_mean vs Slug



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -317.761+/-89.820 χ^2/NDF:27.3/10

Right Out: 5.616+/-64.085 χ^2/NDF: 11.6/18

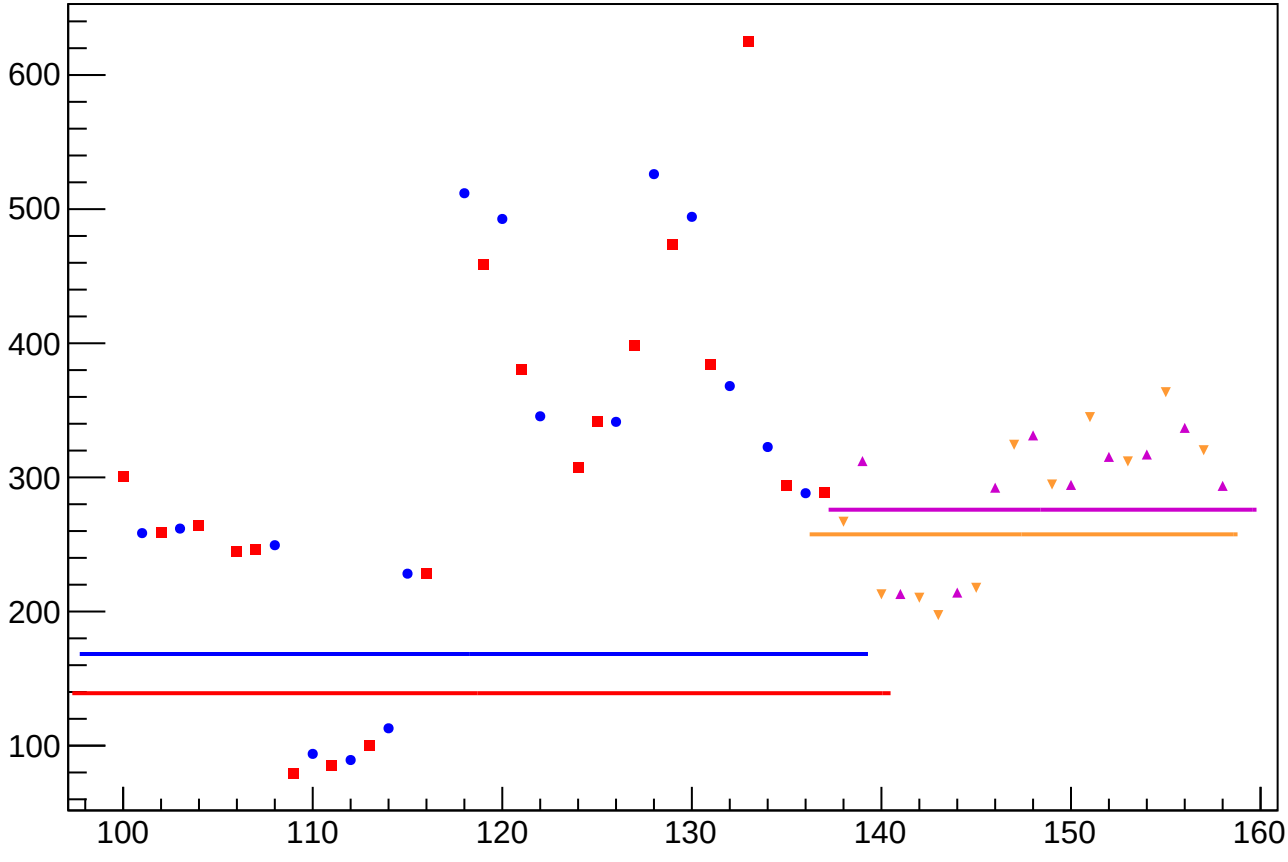
Left In: -74.928+/-95.053 χ^2/NDF:9.9/9

+ sign -198.052+/-58.112 χ^2/NDF: 48.8/26

All: -100.835+/-39.214 χ^2/NDF: 75.9/55

- sign -19.554+/-53.136 χ^2/NDF: 22.0/28

asym_sam8_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 257.548+/-0.064 χ^2/NDF:781506.4/10

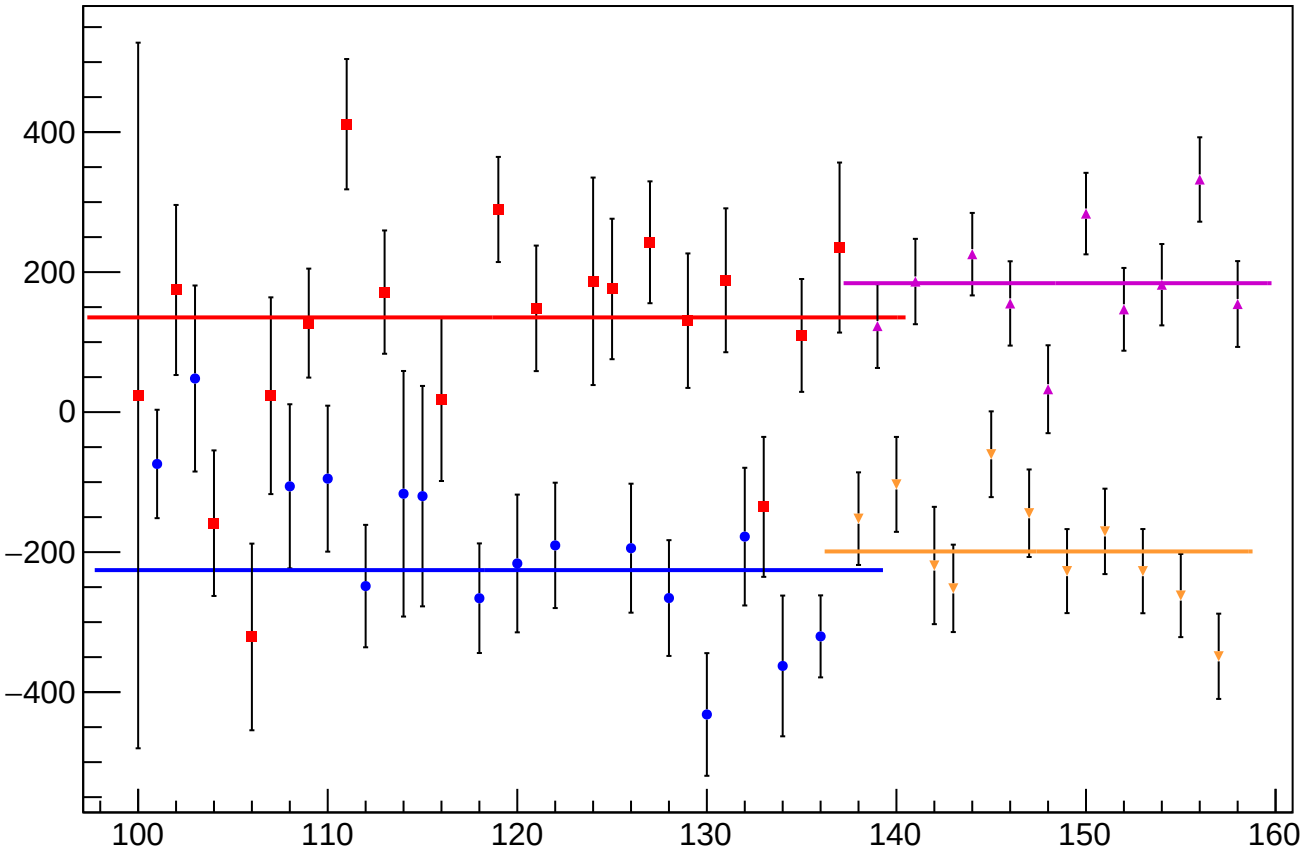
Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 275.912+/-0.067 χ^2/NDF:500331.3/9

+ sign 205.676+/-0.041 χ^2/NDF: 6472904.2/26

All: 192.703+/-0.028 χ^2/NDF: 15134591.5/55

- sign 181.857+/-0.038 χ^2/NDF: 8478692.0/28



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -199.021+/-19.095 χ^2/NDF:17.0/10

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

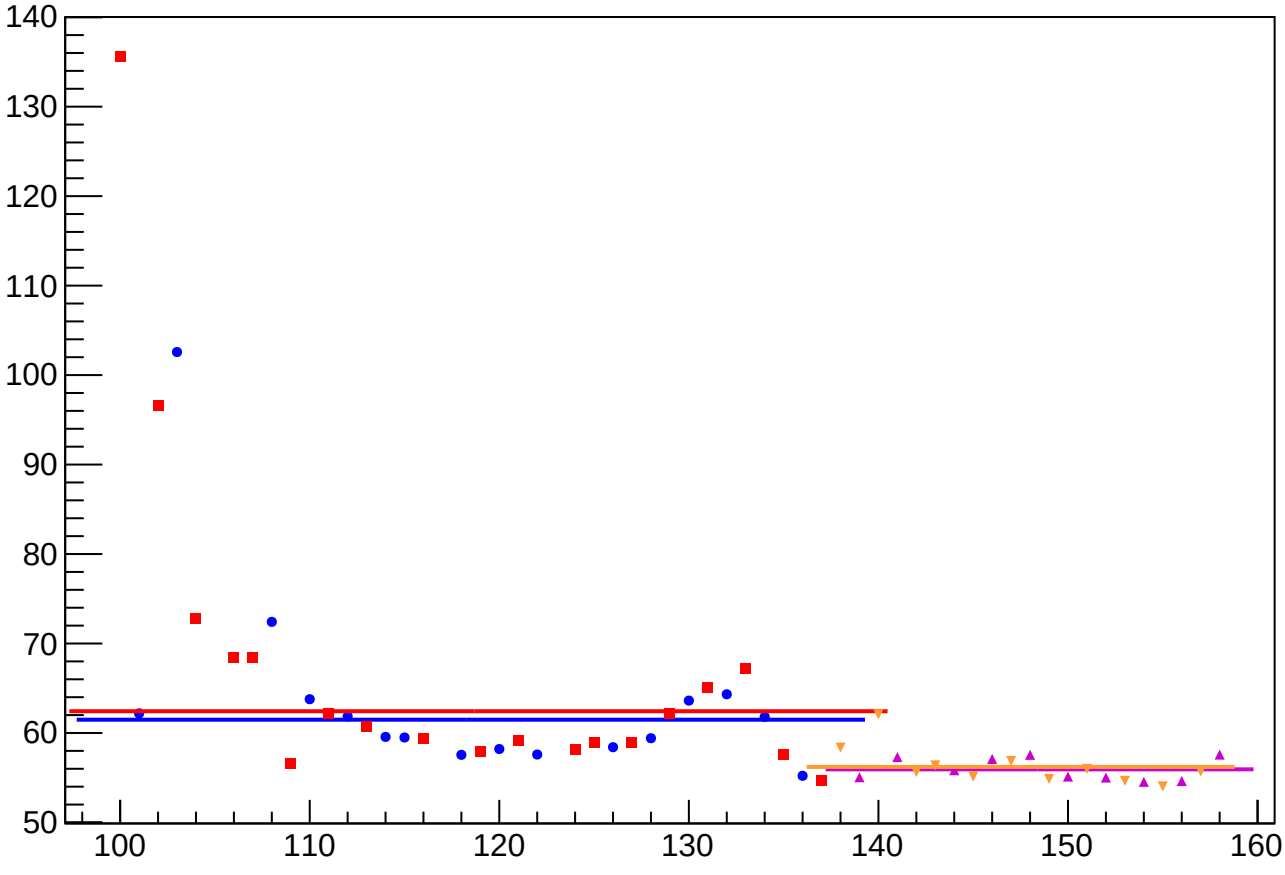
Left In: 184.174+/-18.954 χ^2/NDF:17.2/9

+ sign -209.837+/-14.722 χ^2/NDF: 40.4/26

All: -22.066+/-10.395 χ^2/NDF: 429.5/55

- sign 164.620+/-14.680 χ^2/NDF: 64.7/28

eigen_cor_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.205+/-0.014 χ^2/NDF:23288.6/10

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

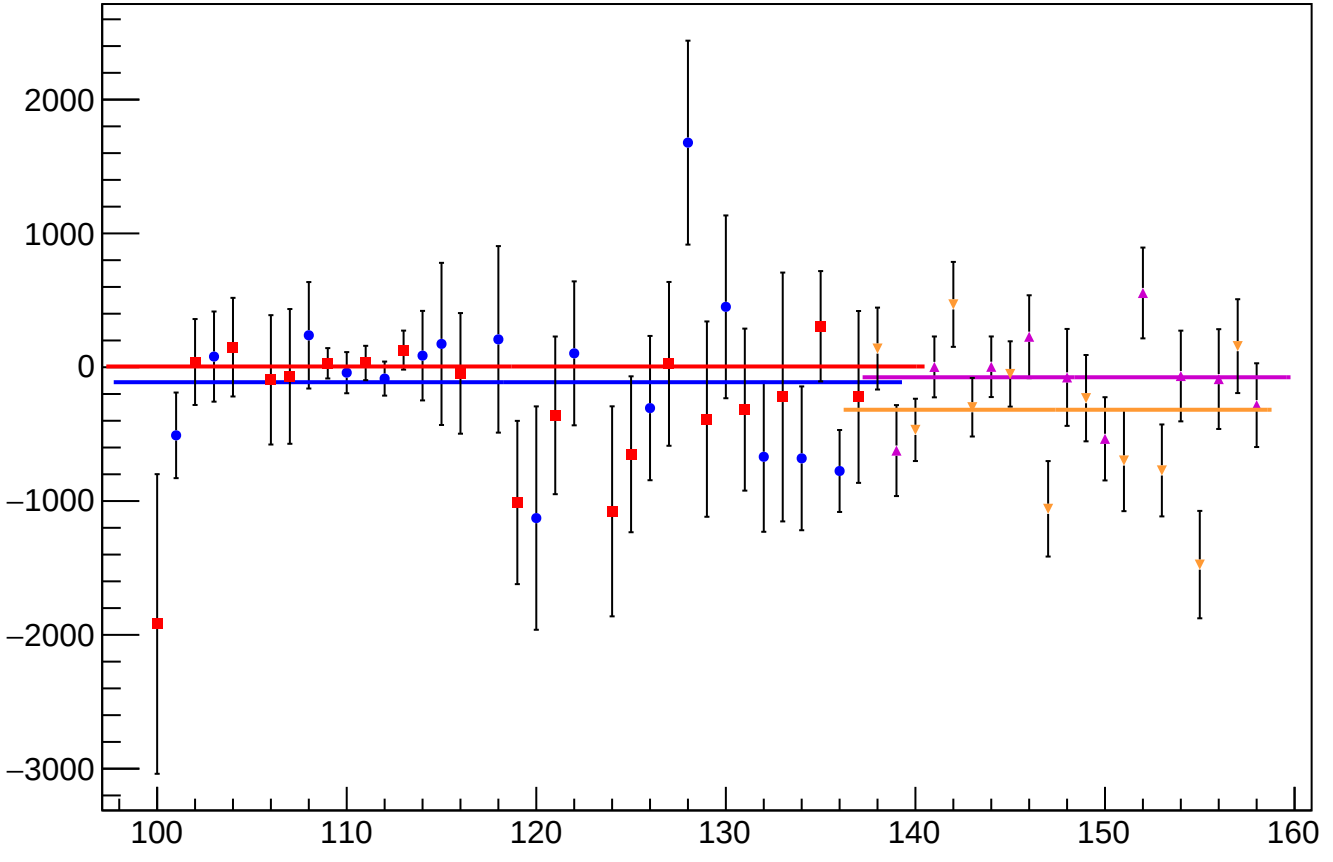
Left In: 55.937+/-0.013 χ^2/NDF:7949.3/9

+ sign 58.347+/-0.010 χ^2/NDF: 335991.1/26

All: 58.442+/-0.007 χ^2/NDF: 717510.6/55

- sign 58.537+/-0.010 χ^2/NDF: 381352.7/28

asym_sam8_eigen_cor_correction_mean vs Slug



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -317.761+/-89.820 χ^2/NDF:27.3/10

Right Out: 5.616+/-64.085 χ^2/NDF: 11.6/18

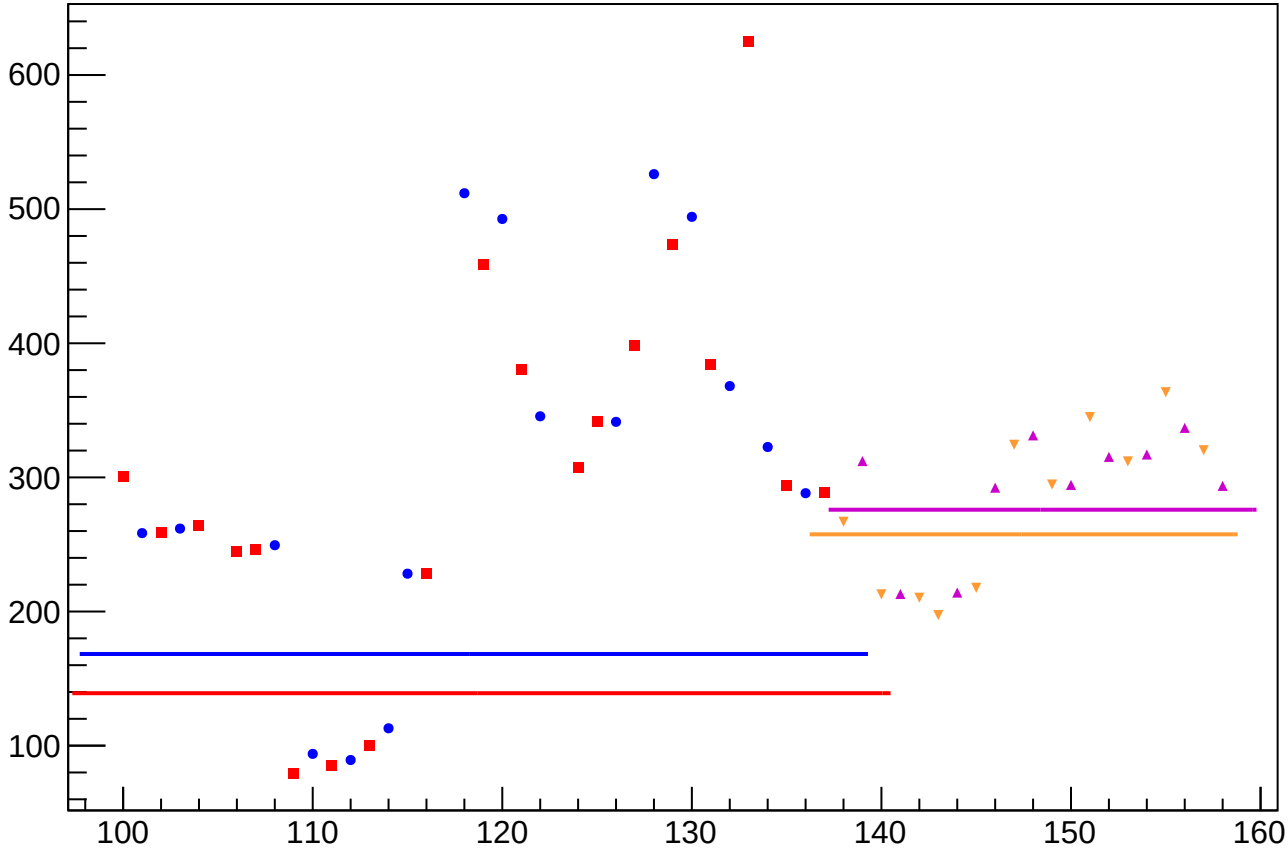
Left In: -74.928+/-95.053 χ^2/NDF:9.9/9

+ sign -198.052+/-58.112 χ^2/NDF: 48.8/26

All: -100.835+/-39.214 χ^2/NDF: 75.9/55

- sign -19.554+/-53.136 χ^2/NDF: 22.0/28

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 257.548+/-0.064 χ^2/NDF:781506.4/10

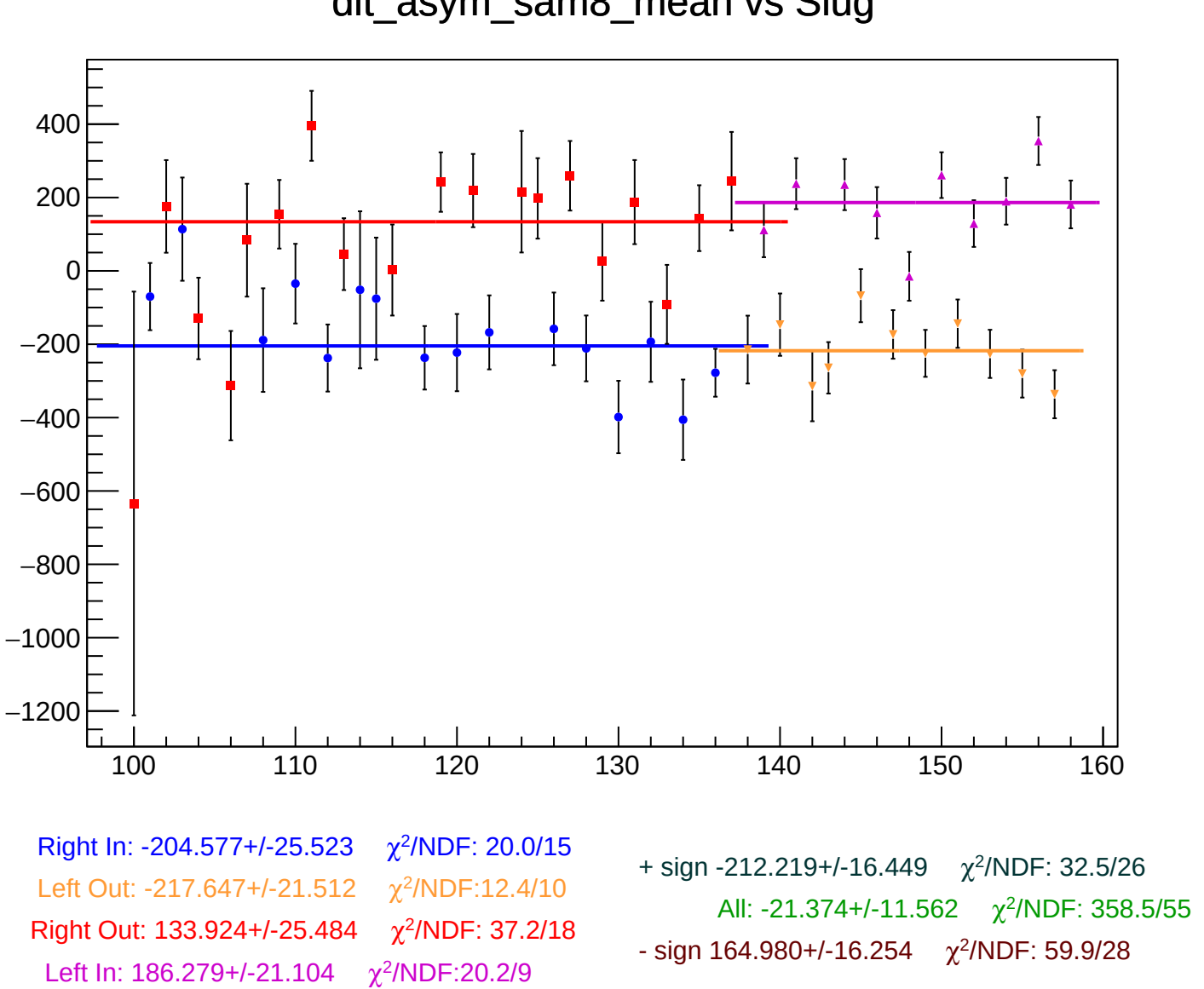
Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 275.912+/-0.067 χ^2/NDF:500331.3/9

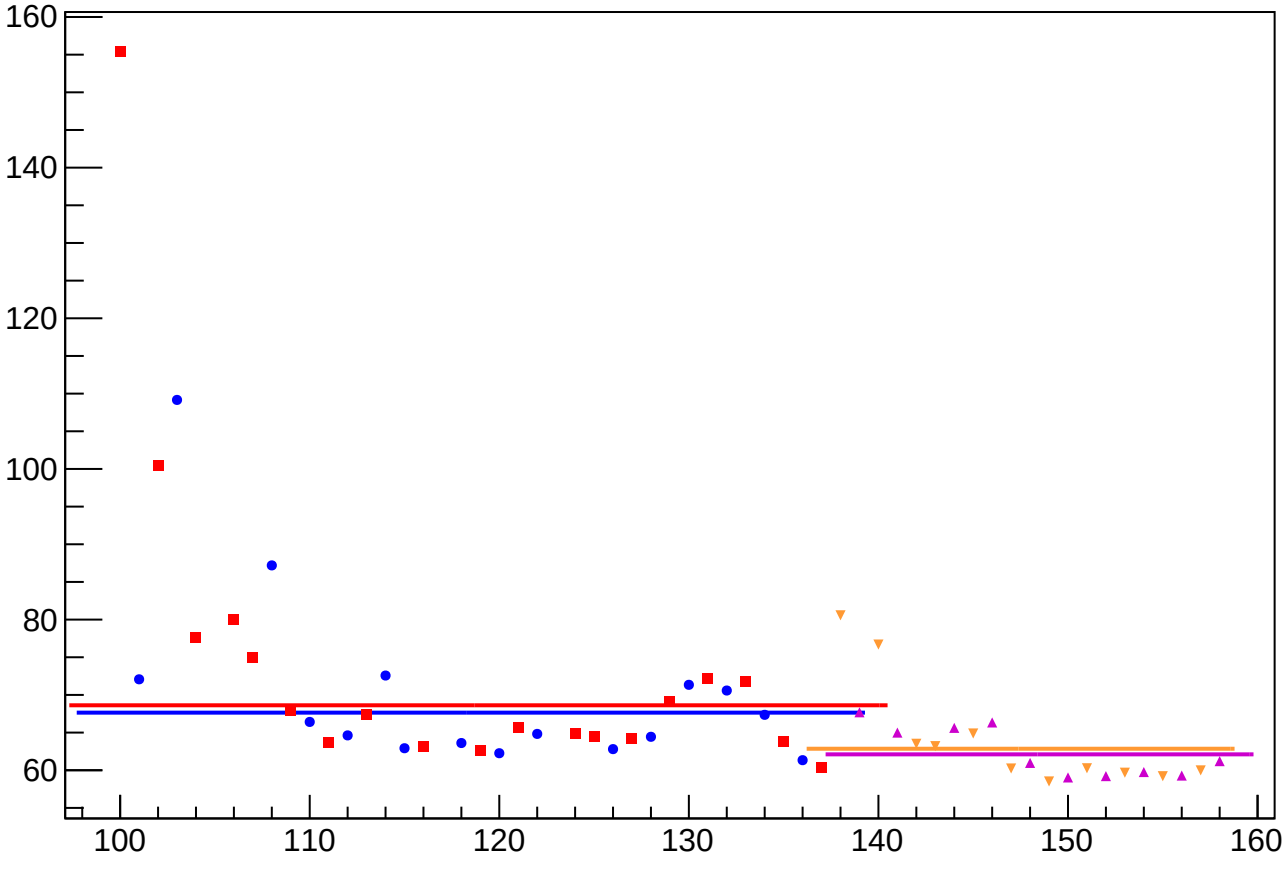
+ sign 205.676+/-0.041 χ^2/NDF: 6472904.2/26

All: 192.703+/-0.028 χ^2/NDF: 15134591.5/55

- sign 181.857+/-0.038 χ^2/NDF: 8478692.0/28


dit_asym_sam8_mean vs Slug
400
200
0
−200
−400
−600
−800
−1000
−1200
100
110
120
130
140
150
160
Right In: -204.577+/-25.523 χ²/NDF: 20.0/15
Left Out: -217.647+/-21.512 χ²/NDF:12.4/10
Right Out: 133.924+/-25.484 χ²/NDF: 37.2/18
Left In: 186.279+/-21.104 χ²/NDF:20.2/9
+ sign -212.219+/-16.449 χ²/NDF: 32.5/26
All: -21.374+/-11.562 χ²/NDF: 358.5/55
- sign 164.980+/-16.254 χ²/NDF: 59.9/28

dit_asym_sam8_rms vs Slug



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 62.855+/-0.015 χ^2/NDF:158283.7/10

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

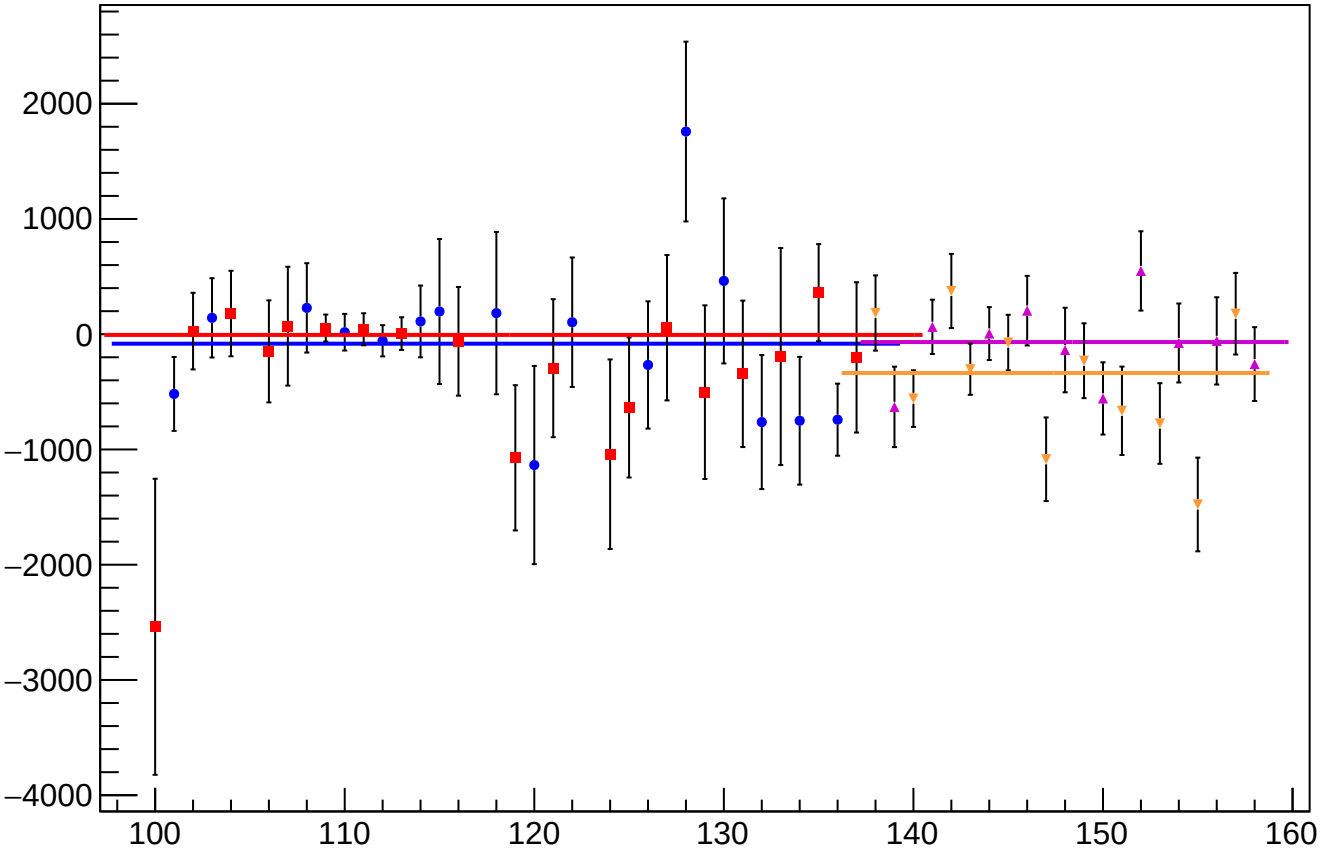
Left In: 62.110+/-0.015 χ^2/NDF:43567.9/9

+ sign 64.846+/-0.012 χ^2/NDF: 463171.4/26

All: 64.802+/-0.008 χ^2/NDF: 832447.9/55

- sign 64.760+/-0.011 χ^2/NDF: 369249.1/28

asym_sam8_dit_correction_mean vs Slug



Right In: -82.228+/-78.676 χ^2/NDF: 19.2/15

Left Out: -336.538+/-91.618 χ^2/NDF:26.1/10

Right Out: -6.063+/-65.910 χ^2/NDF: 12.0/18

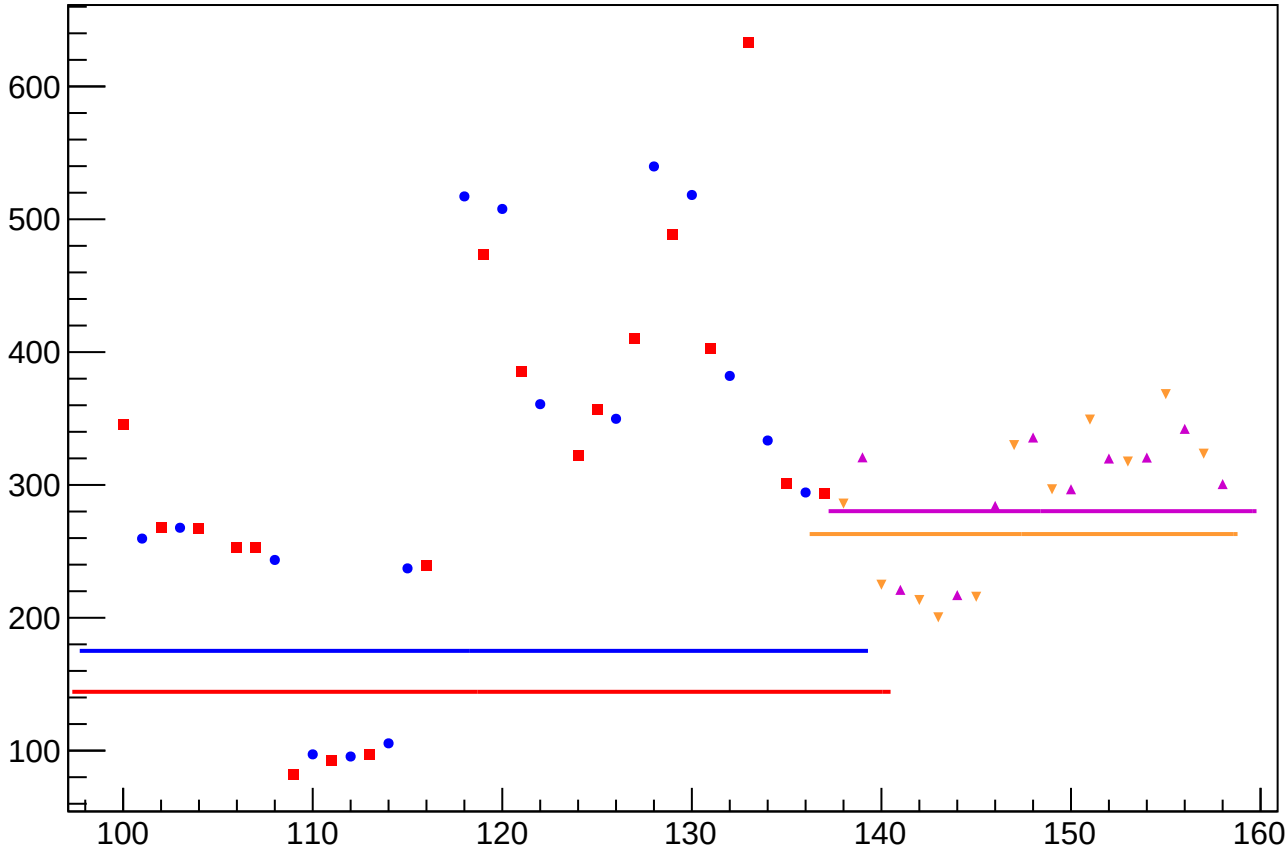
Left In: -67.953+/-96.467 χ^2/NDF:9.9/9

+ sign -190.167+/-59.688 χ^2/NDF: 49.8/26

All: -100.390+/-40.215 χ^2/NDF: 76.1/55

- sign -25.760+/-54.421 χ^2/NDF: 22.2/28

asym_sam8_dit_correction_rms vs Slug



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 263.038+/-0.065 χ^2/NDF:773611.8/10

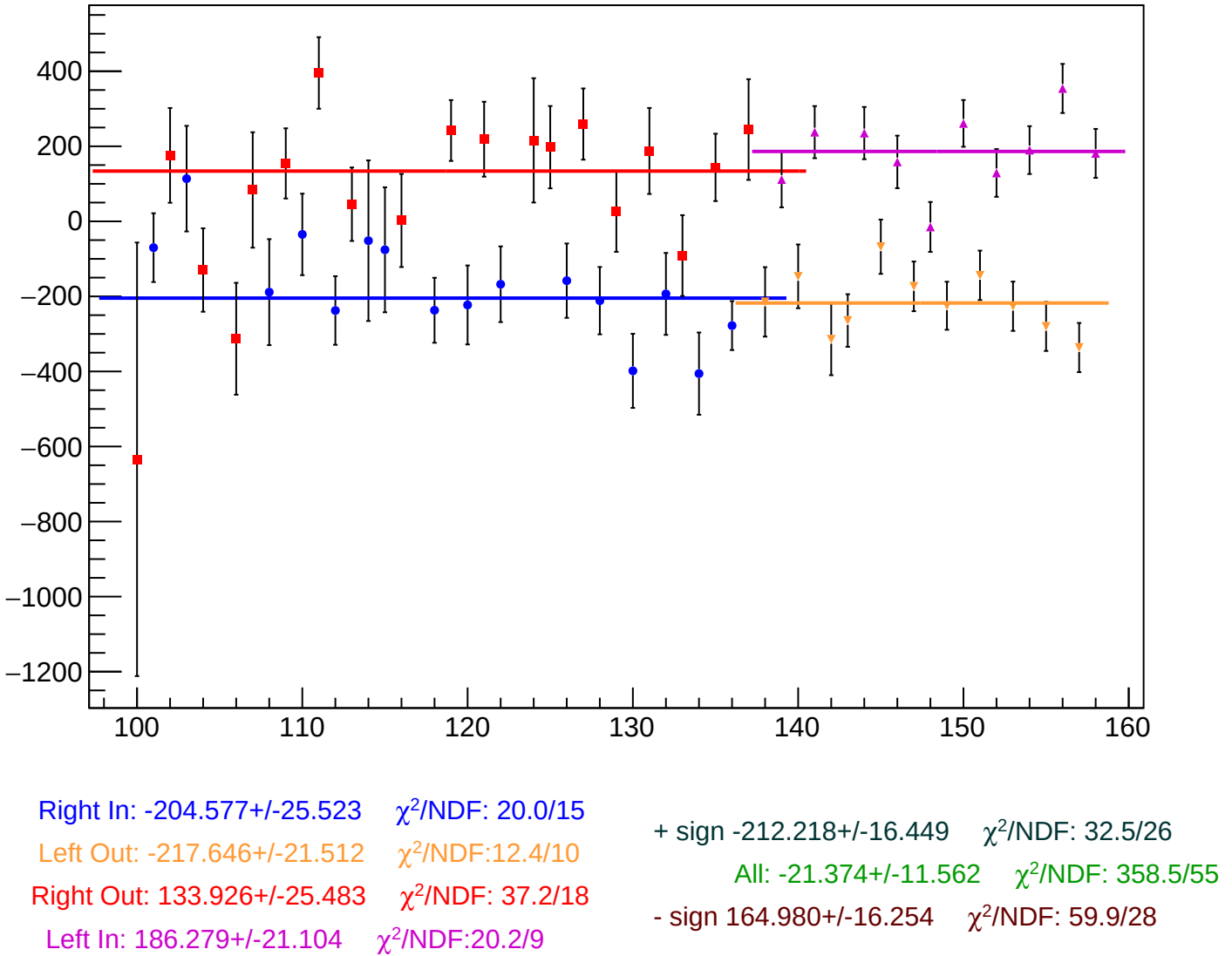
Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

Left In: 280.265+/-0.068 χ^2/NDF:472333.3/9

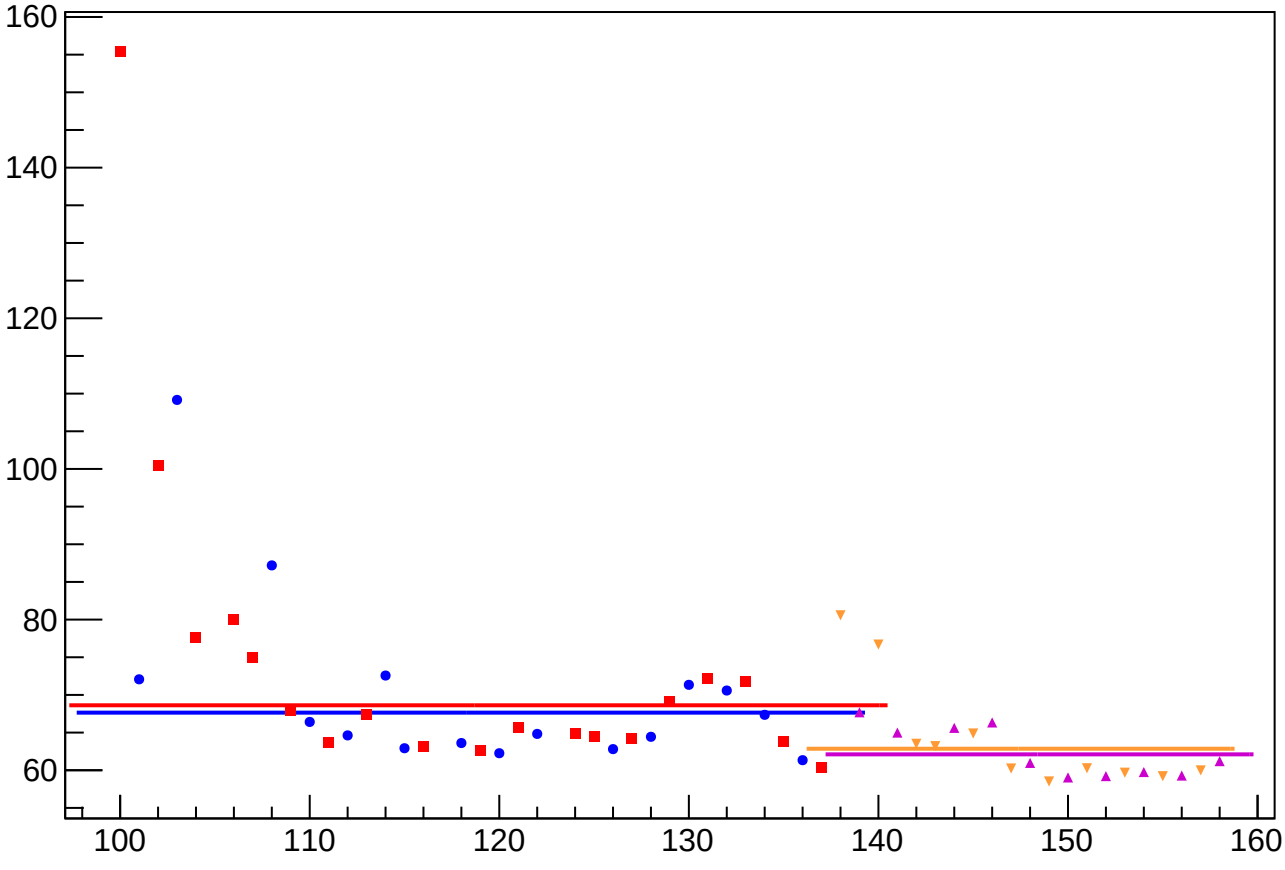
+ sign 212.424+/-0.042 χ^2/NDF: 6263224.3/26

All: 198.844+/-0.028 χ^2/NDF: 14767175.0/55

- sign 187.555+/-0.038 χ^2/NDF: 8314359.5/28


eigen_dit_asym_sam8_mean vs Slug
400
200
0
−200
−400
−600
−800
−1000
−1200
100
110
120
130
140
150
160
Right In: -204.577+/-25.523 χ²/NDF: 20.0/15
Left Out: -217.646+/-21.512 χ²/NDF:12.4/10
Right Out: 133.926+/-25.483 χ²/NDF: 37.2/18
Left In: 186.279+/-21.104 χ²/NDF:20.2/9
+ sign -212.218+/-16.449 χ²/NDF: 32.5/26
All: -21.374+/-11.562 χ²/NDF: 358.5/55
- sign 164.980+/-16.254 χ²/NDF: 59.9/28

eigen_dit_asym_sam8_rms vs Slug



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 62.856+/-0.015 χ^2/NDF:158282.6/10

Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

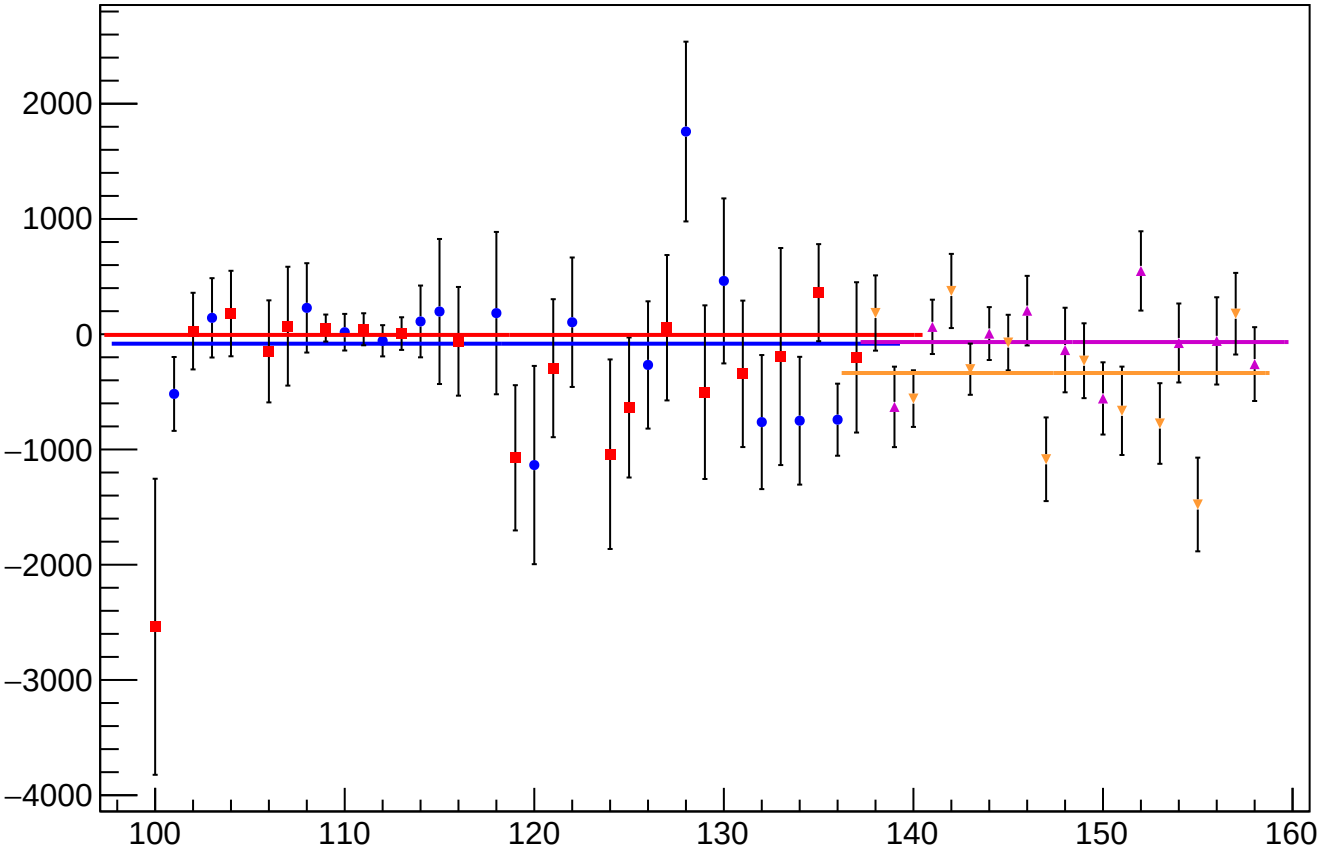
Left In: 62.110+/-0.015 χ^2/NDF:43568.6/9

+ sign 64.846+/-0.012 χ^2/NDF: 463165.1/26

All: 64.802+/-0.008 χ^2/NDF: 832437.7/55

- sign 64.760+/-0.011 χ^2/NDF: 369245.0/28

asym_sam8_eigen_dit_correction_mean vs Slug



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -336.537+/-91.617 χ^2/NDF:26.1/10

Right Out: -6.062+/-65.910 χ^2/NDF: 12.0/18

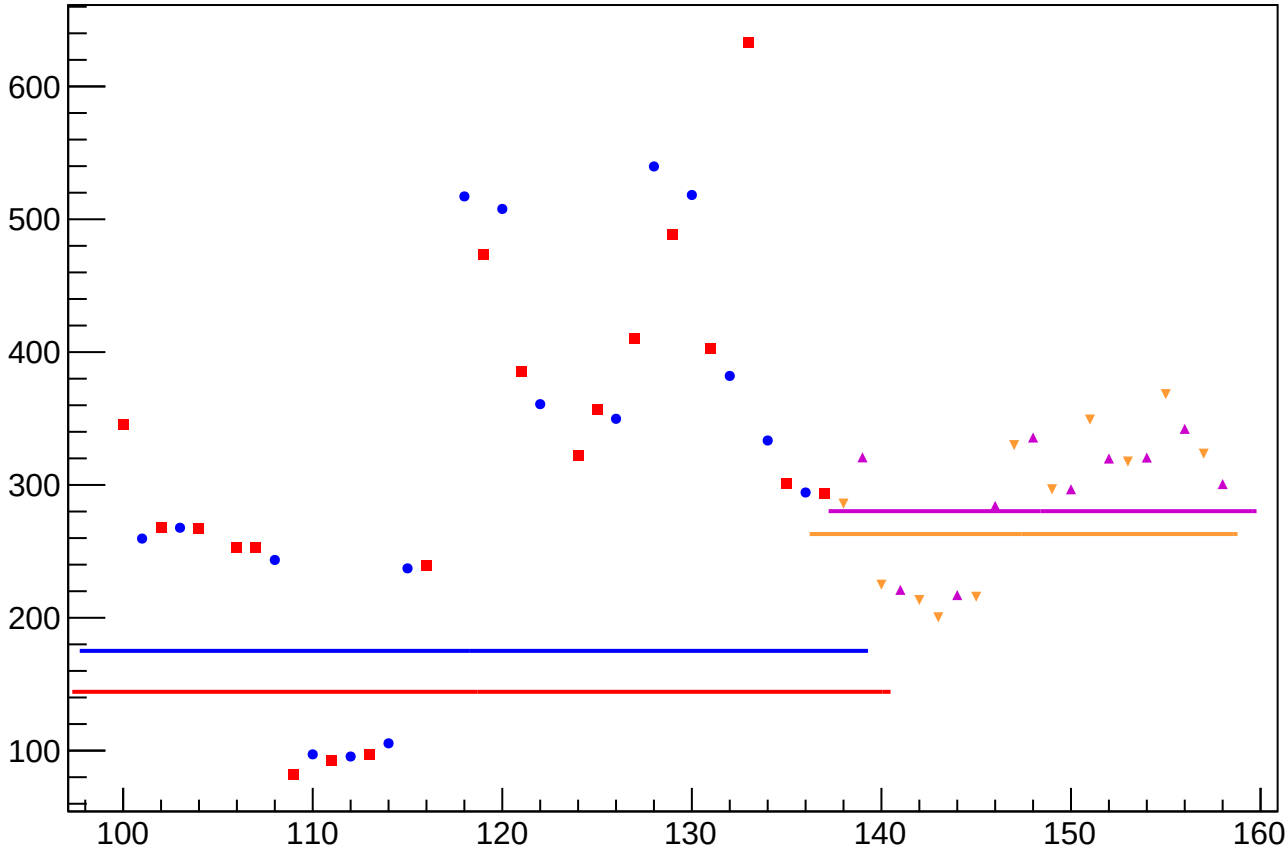
Left In: -67.953+/-96.467 χ^2/NDF:9.9/9

+ sign -190.165+/-59.688 χ^2/NDF: 49.8/26

All: -100.390+/-40.215 χ^2/NDF: 76.1/55

- sign -25.759+/-54.421 χ^2/NDF: 22.2/28

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 263.037+/-0.065 χ^2/NDF:773619.4/10

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

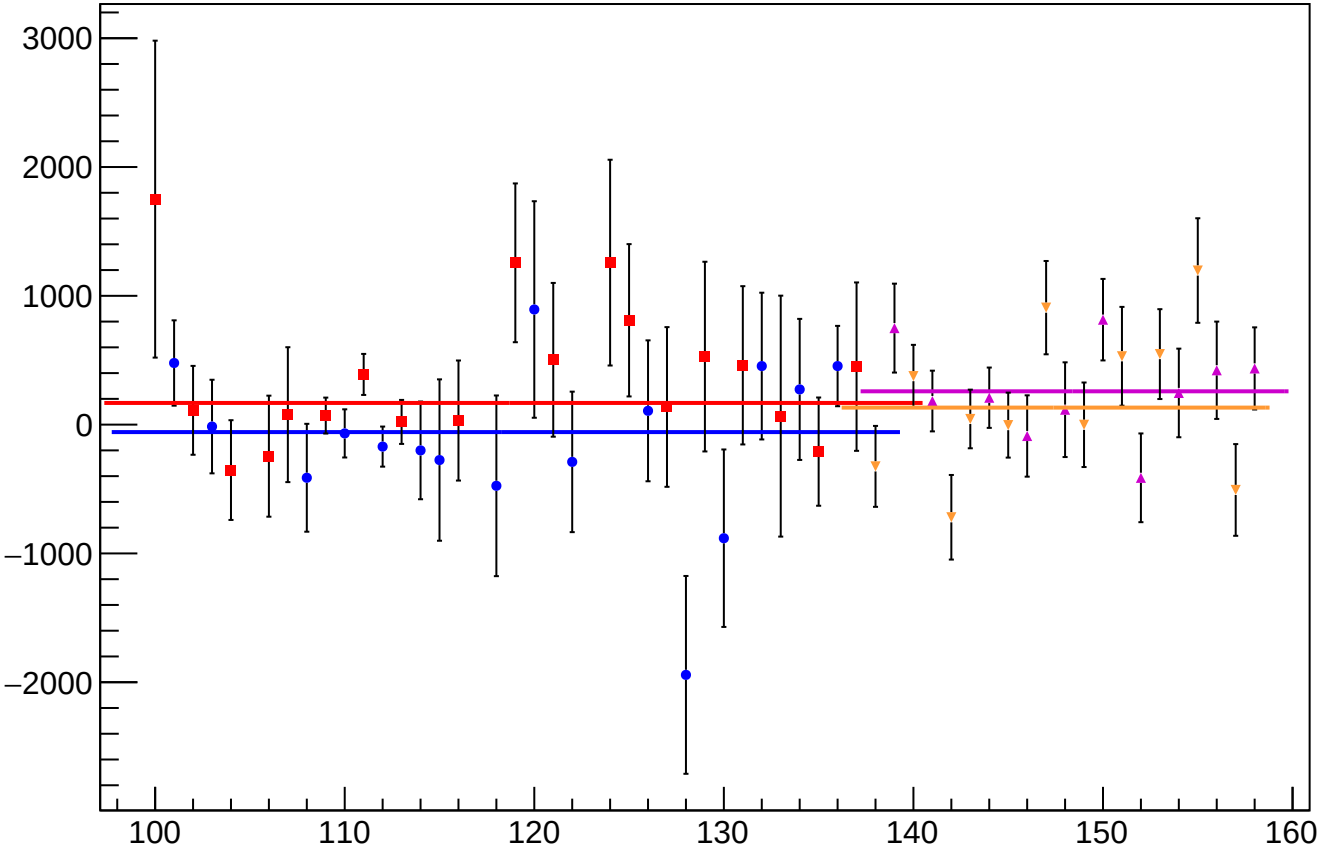
Left In: 280.264+/-0.068 χ^2/NDF:472334.3/9

+ sign 212.423+/-0.042 χ^2/NDF: 6263270.8/26

All: 198.843+/-0.028 χ^2/NDF: 14767182.3/55

- sign 187.555+/-0.038 χ^2/NDF: 8314332.3/28

asym_sam8_mean vs Slug



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: 132.172+/-92.343 χ^2/NDF:27.6/10

Right Out: 168.322+/-74.598 χ^2/NDF: 15.5/18

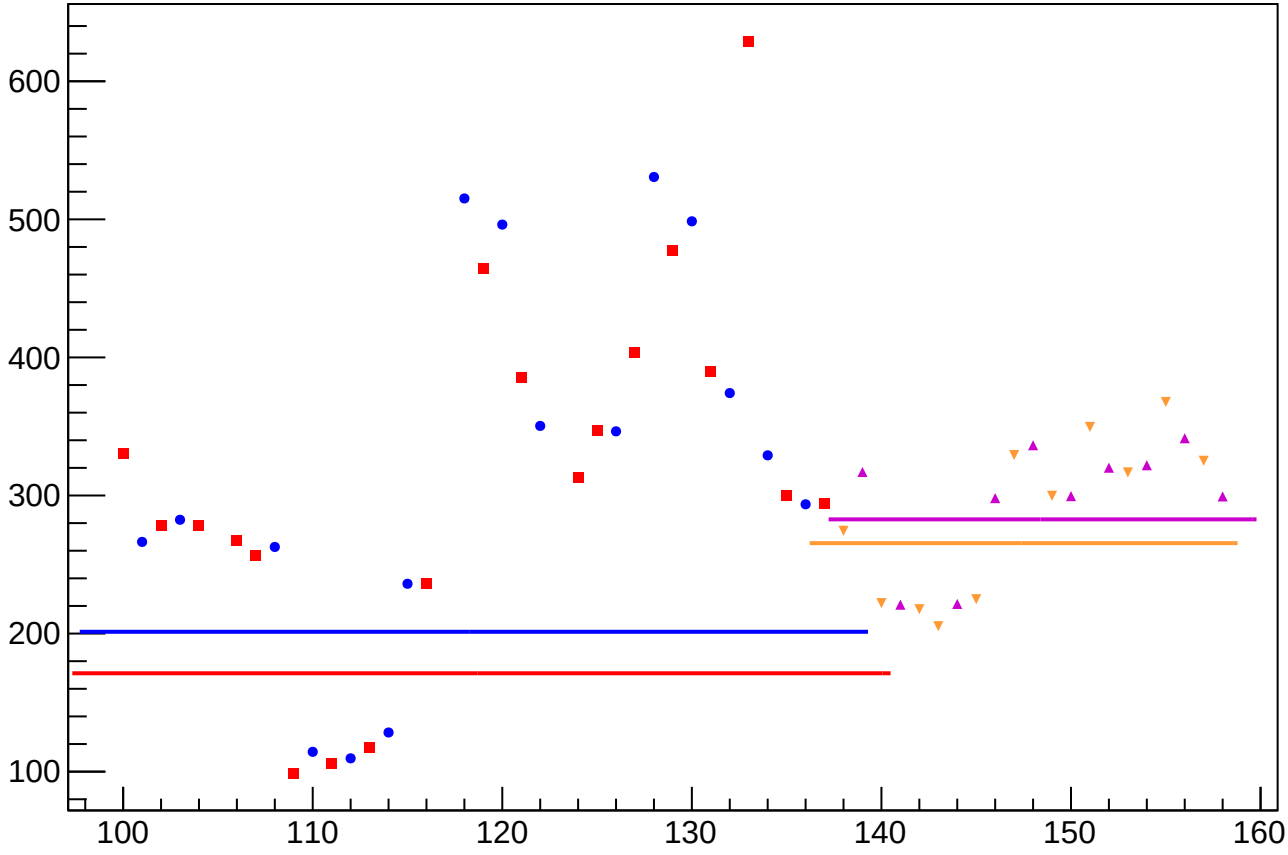
Left In: 258.644+/-97.235 χ^2/NDF:10.9/9

+ sign 31.322+/-63.281 χ^2/NDF: 47.3/26

All: 122.247+/-43.226 χ^2/NDF: 78.1/55

- sign 201.786+/-59.186 χ^2/NDF: 27.0/28

asym_sam8_rms vs Slug



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 265.486+/-0.065 χ^2/NDF:706126.3/10

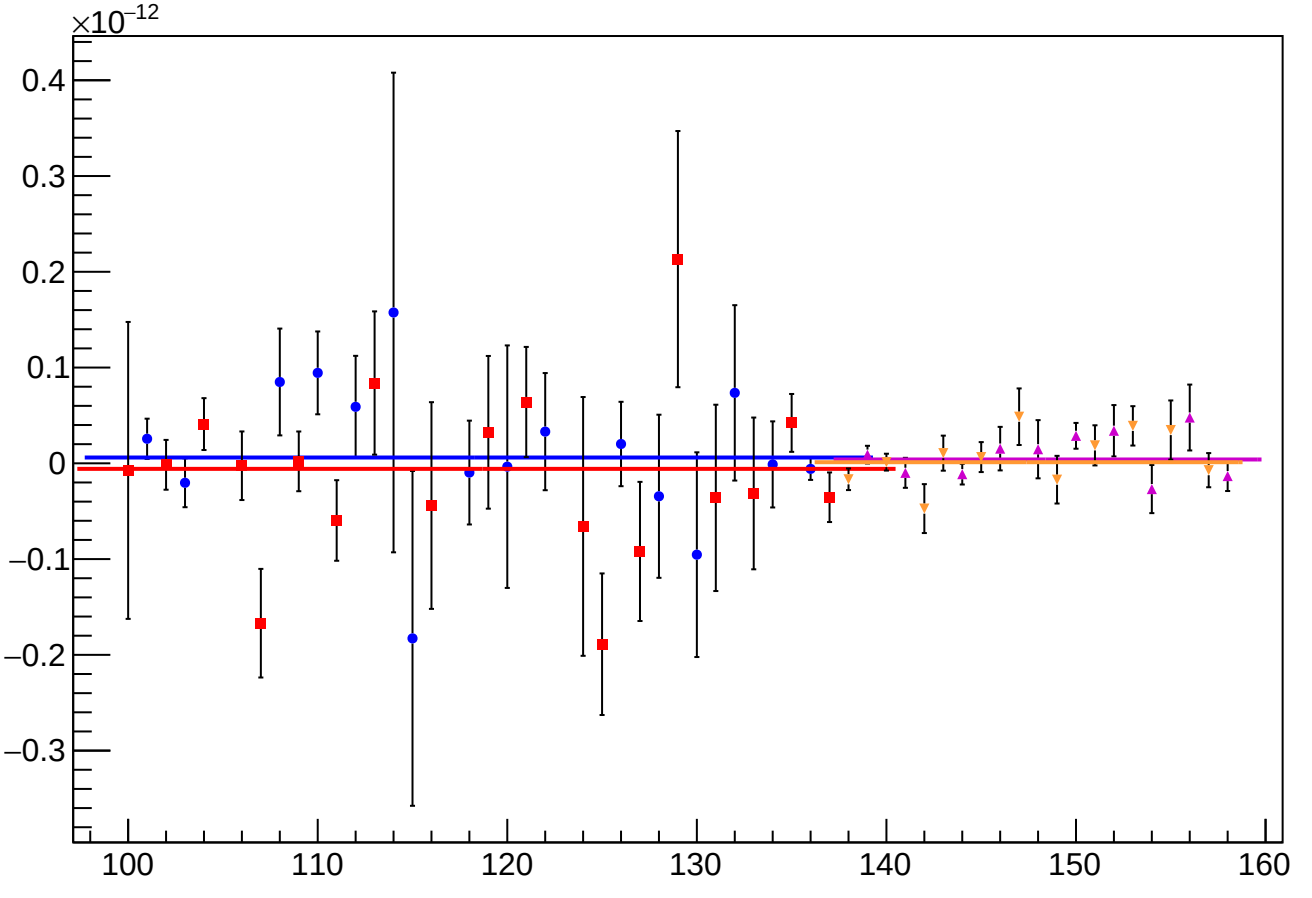
Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

Left In: 282.716+/-0.069 χ^2/NDF:450386.0/9

+ sign 231.443+/-0.045 χ^2/NDF: 4790804.5/26

All: 221.365+/-0.031 χ^2/NDF: 11183253.2/55

- sign 212.550+/-0.042 χ^2/NDF: 6297360.2/28



Right In: 0.000+/-0.000 χ^2/NDF: 13.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/10

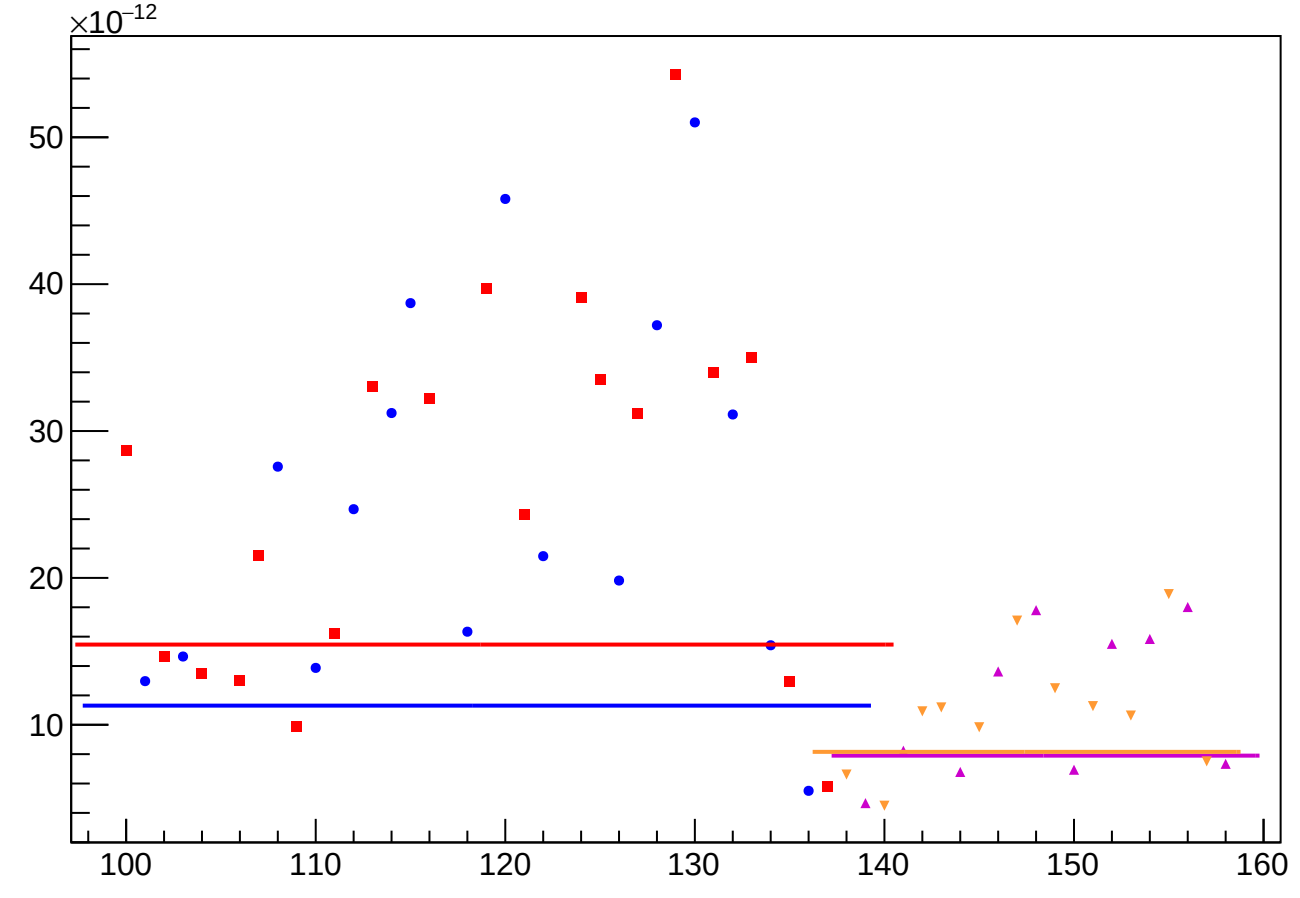
Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: 0.000+/-0.000 χ^2/NDF:12.4/9

+ sign 0.000+/-0.000 χ^2/NDF: 29.2/26

All: 0.000+/-0.000 χ^2/NDF: 72.9/55

- sign 0.000+/-0.000 χ^2/NDF: 43.7/28



Right In: 0.000+/-0.000 χ^2/NDF: 1788731.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1046593.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1442096.6/18

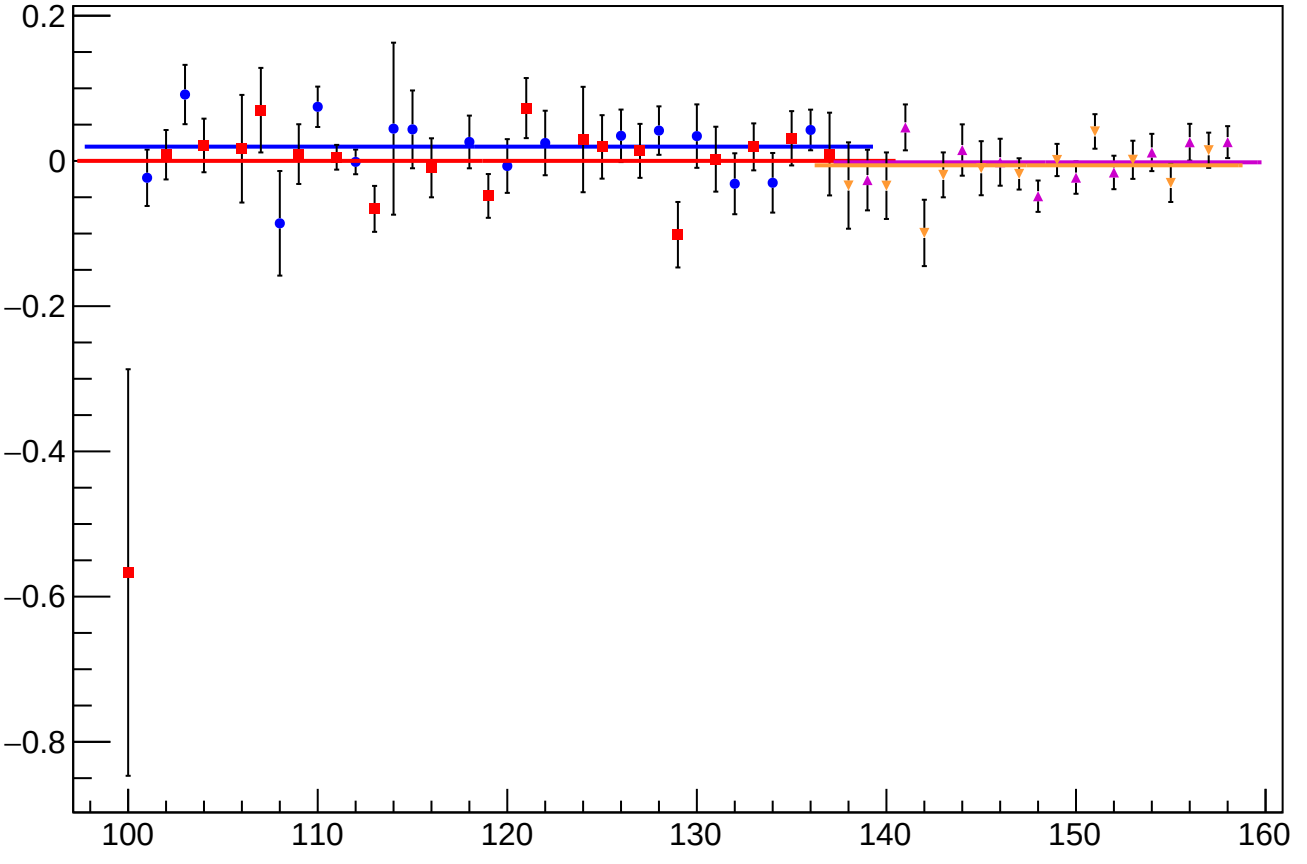
Left In: 0.000+/-0.000 χ^2/NDF:1153558.1/9

+ sign 0.000+/-0.000 χ^2/NDF: 3049251.6/26

All: 0.000+/-0.000 χ^2/NDF: 6542329.2/55

- sign 0.000+/-0.000 χ^2/NDF: 3486340.4/28

asym_sam8_dit_vs_cor_diff_mean vs Slug



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.009 χ^2/NDF:10.9/10

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

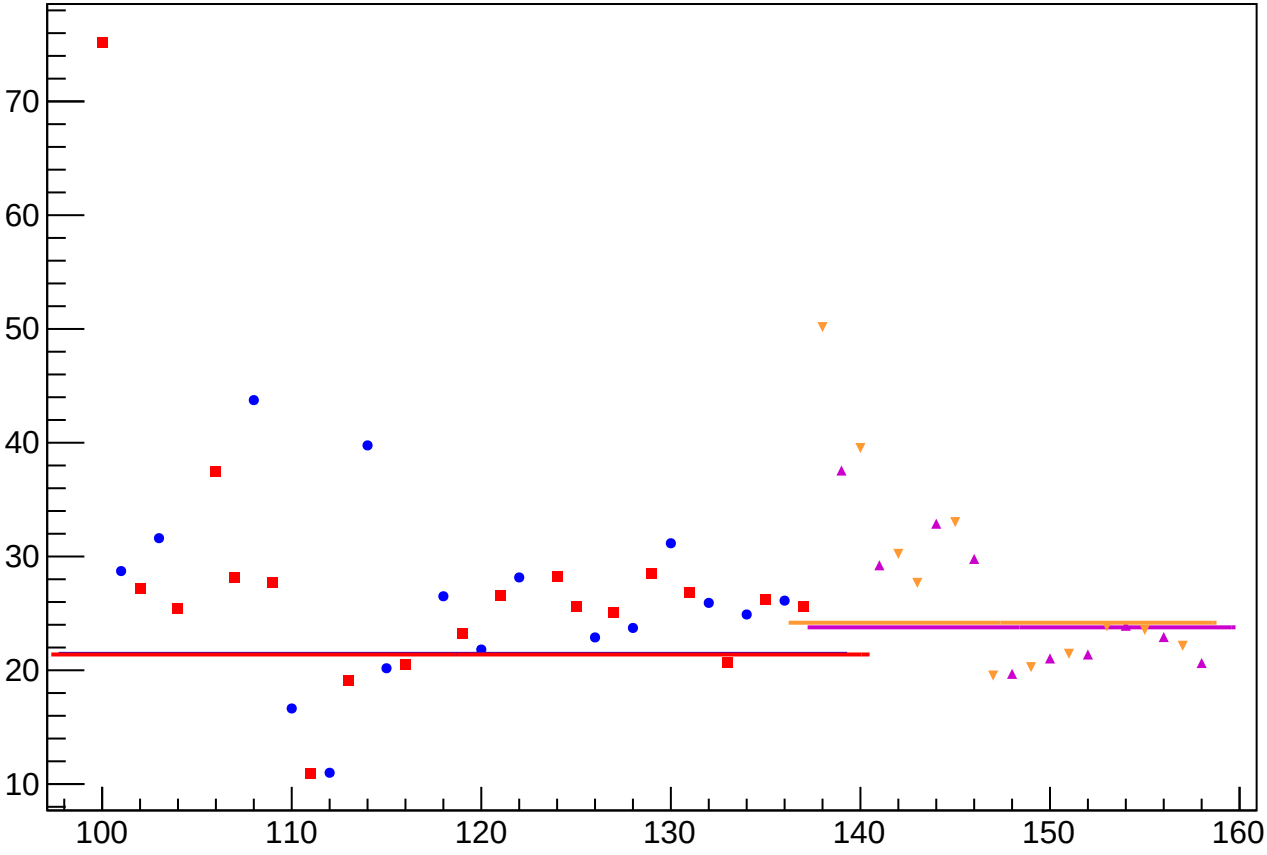
Left In: -0.002+/-0.008 χ^2/NDF:11.9/9

+ sign 0.007+/-0.006 χ^2/NDF: 32.3/26

All: 0.003+/-0.004 χ^2/NDF: 67.9/55

- sign -0.001+/-0.006 χ^2/NDF: 34.8/28

asym_sam8_dit_vs_cor_diff_rms vs Slug



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 24.180+/-0.006 χ^2/NDF:976460.8/10

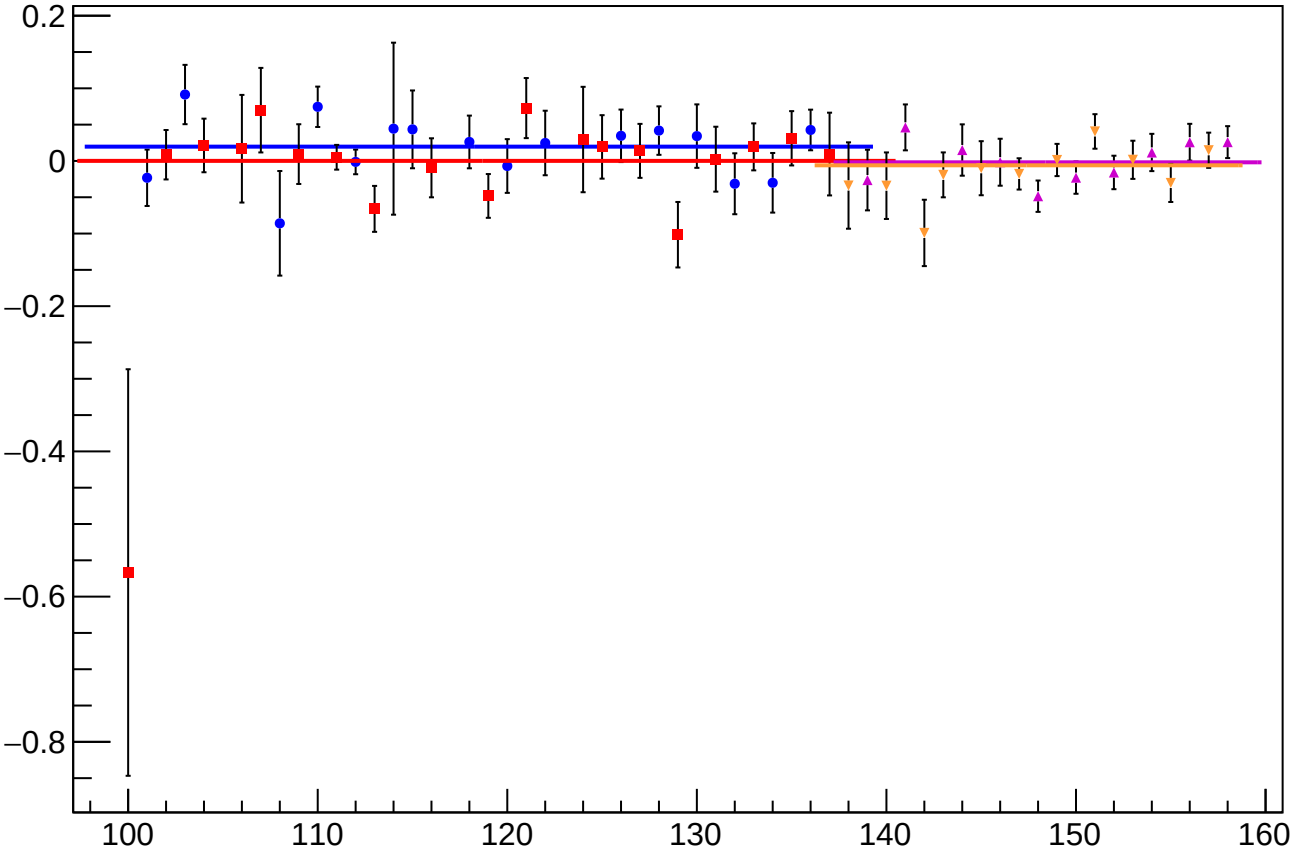
Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 23.775+/-0.006 χ^2/NDF:645761.1/9

+ sign 22.828+/-0.004 χ^2/NDF: 2617621.0/26

All: 22.717+/-0.003 χ^2/NDF: 4657180.2/55

- sign 22.612+/-0.004 χ^2/NDF: 2038272.3/28



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.009 χ^2/NDF:10.9/10

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

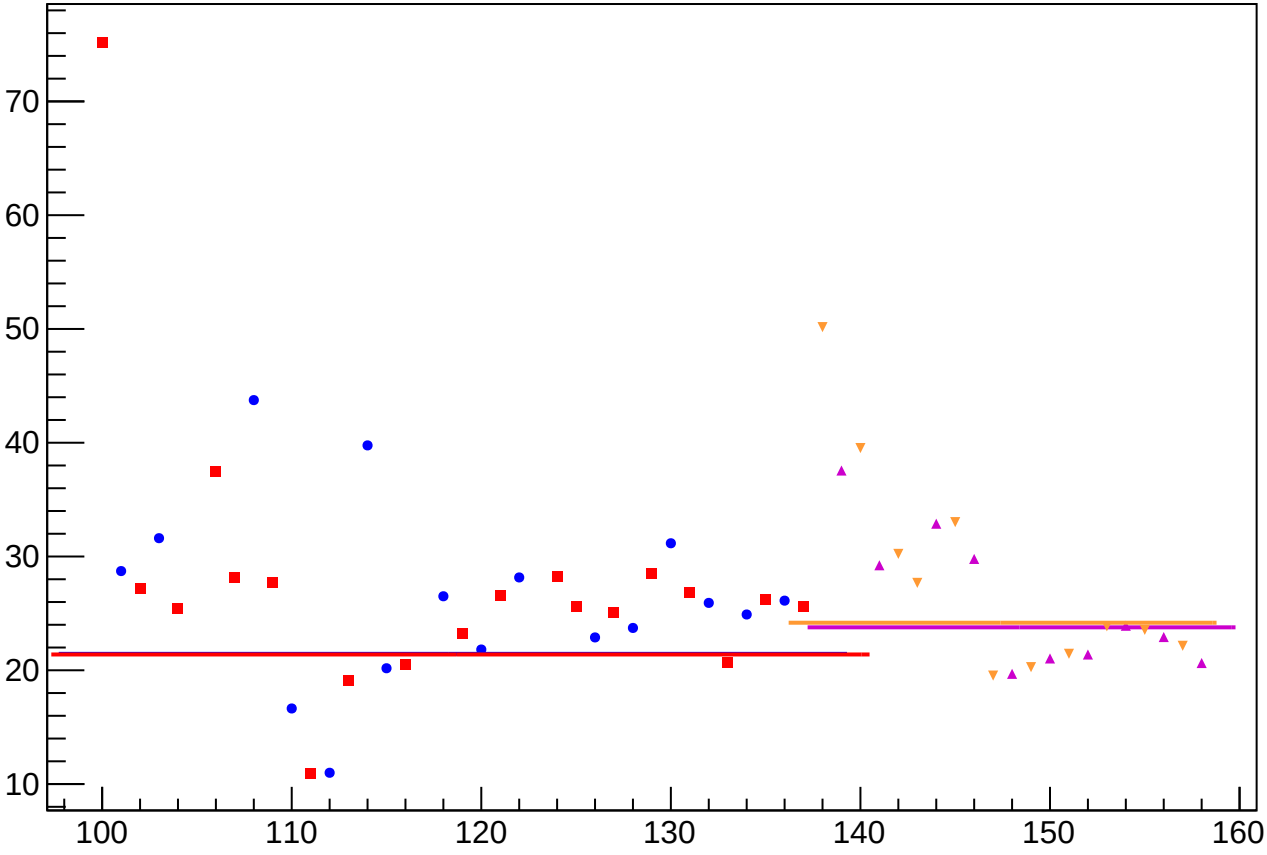
Left In: -0.002+/-0.008 χ^2/NDF:11.9/9

+ sign 0.007+/-0.006 χ^2/NDF: 32.3/26

All: 0.003+/-0.004 χ^2/NDF: 67.9/55

- sign -0.001+/-0.006 χ^2/NDF: 34.8/28

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 24.180+/-0.006 χ^2/NDF:976460.8/10

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

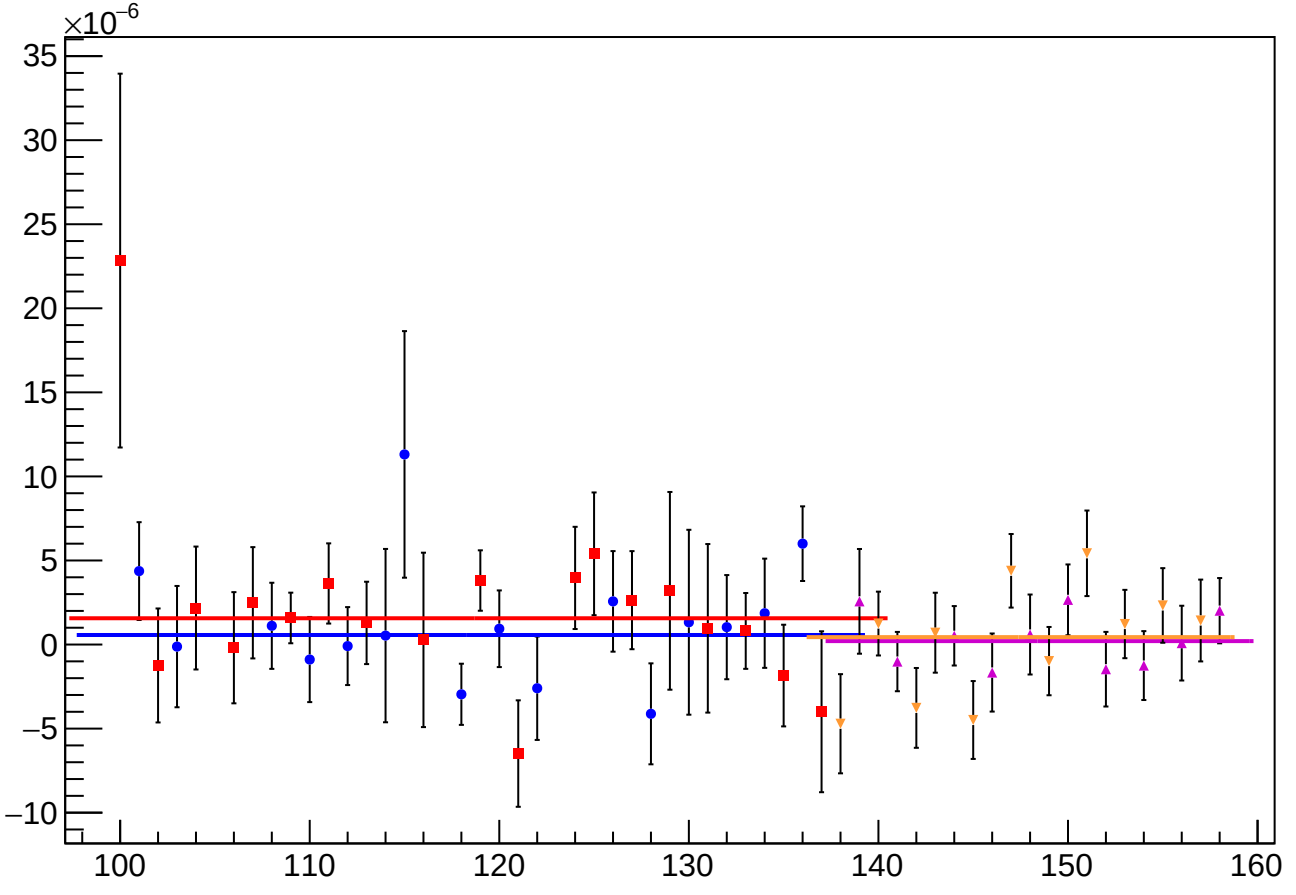
Left In: 23.775+/-0.006 χ^2/NDF:645761.1/9

+ sign 22.828+/-0.004 χ^2/NDF: 2617621.0/26

All: 22.717+/-0.003 χ^2/NDF: 4657180.2/55

- sign 22.612+/-0.004 χ^2/NDF: 2038272.3/28

asym_sam8_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 18.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.5/10

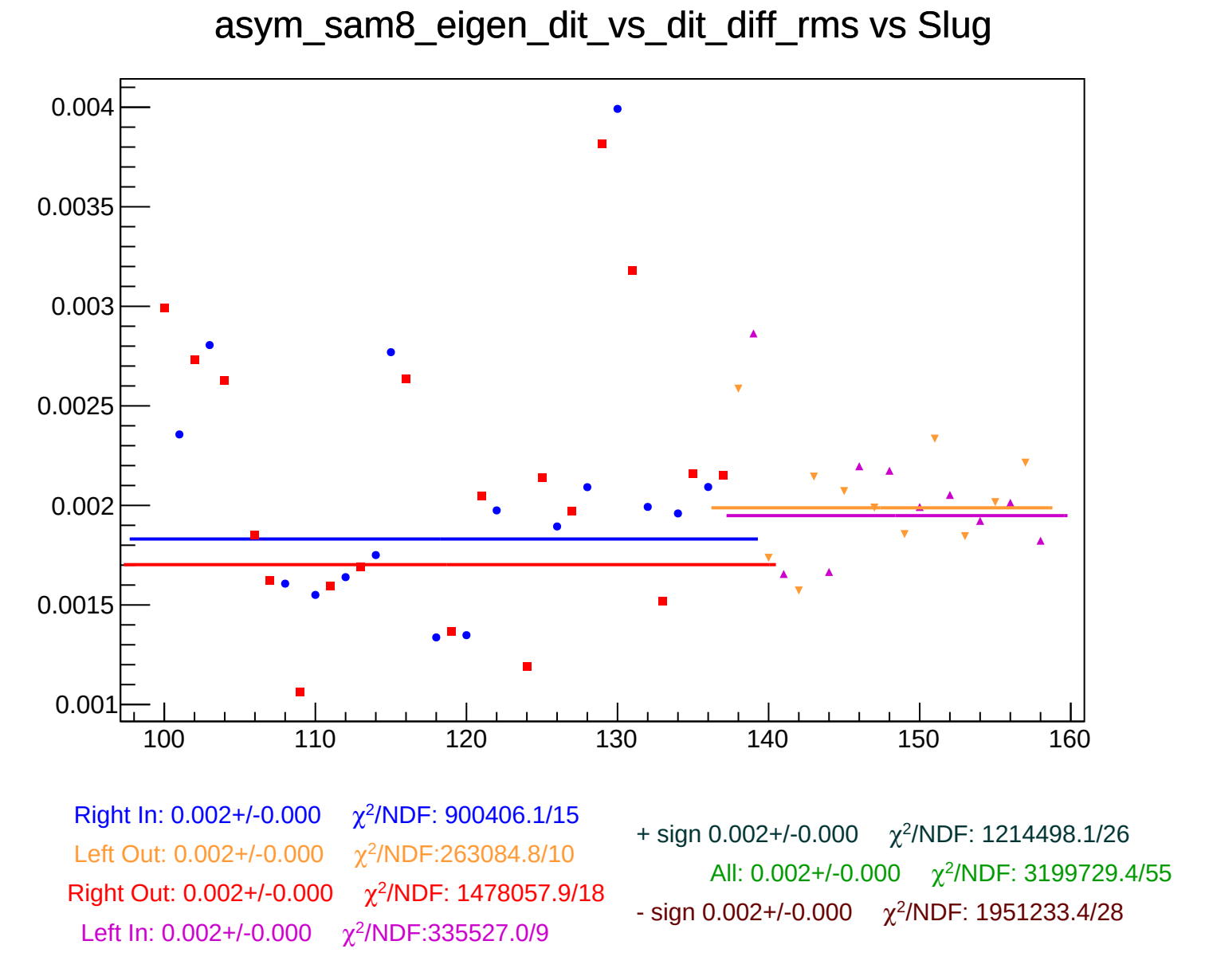
Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/18

Left In: 0.000+/-0.000 χ^2/NDF:5.1/9

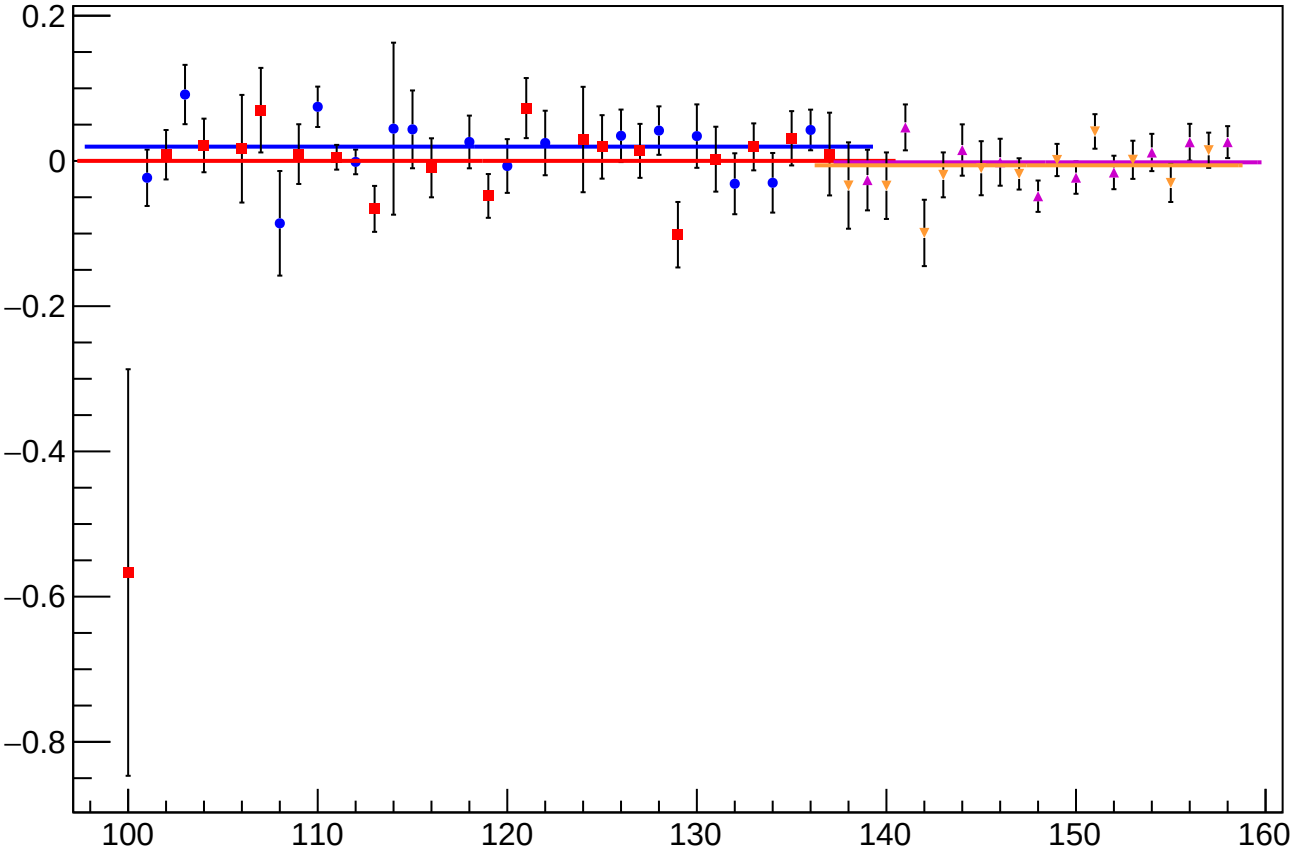
+ sign 0.000+/-0.000 χ^2/NDF: 37.8/26

All: 0.000+/-0.000 χ^2/NDF: 63.6/55

- sign 0.000+/-0.000 χ^2/NDF: 25.4/28


asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
110
120
130
140
150
160
Right In: 0.002+/-0.000 χ²/NDF: 900406.1/15
Left Out: 0.002+/-0.000 χ²/NDF:263084.8/10
Right Out: 0.002+/-0.000 χ²/NDF: 1478057.9/18
Left In: 0.002+/-0.000 χ²/NDF:335527.0/9
+ sign 0.002+/-0.000 χ²/NDF: 1214498.1/26
All: 0.002+/-0.000 χ²/NDF: 3199729.4/55
- sign 0.002+/-0.000 χ²/NDF: 1951233.4/28

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.009 χ^2/NDF:10.9/10

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

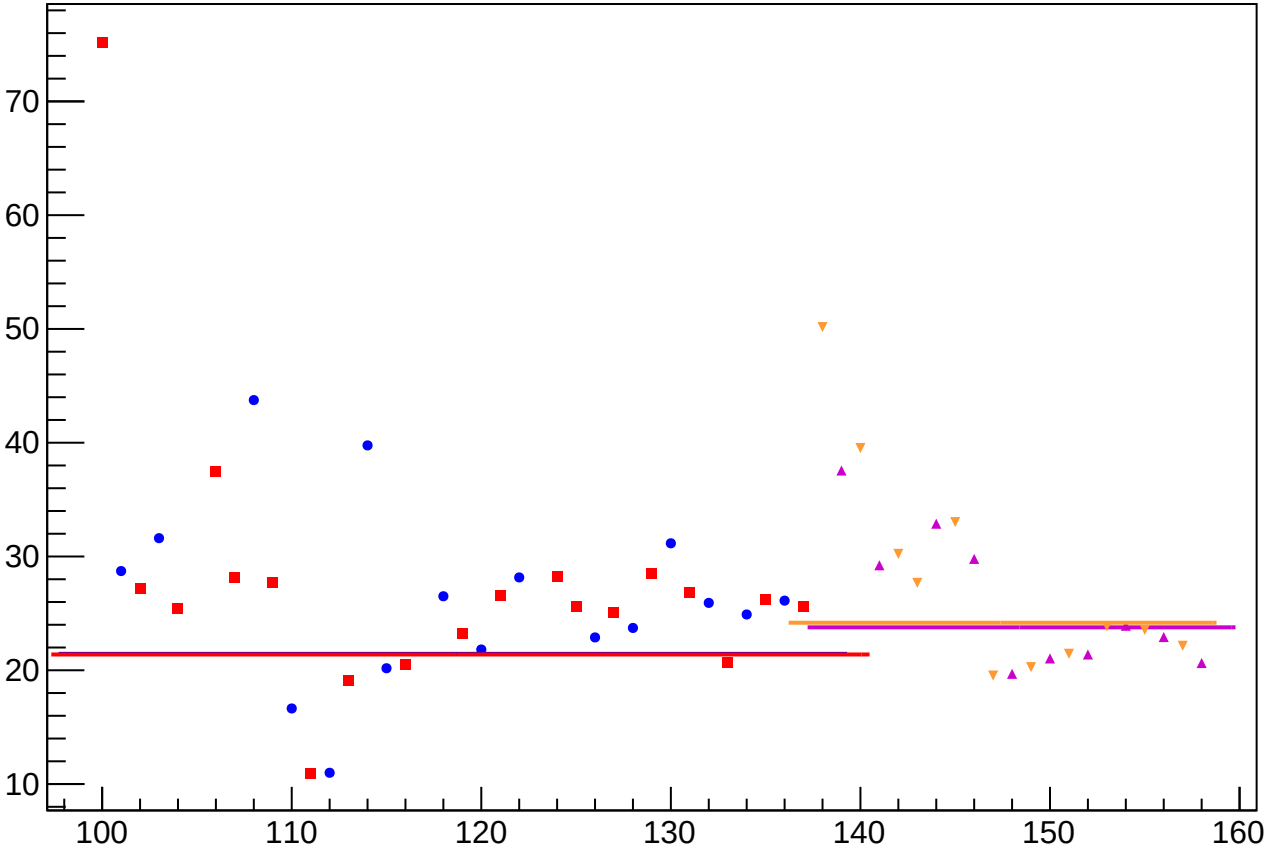
Left In: -0.002+/-0.008 χ^2/NDF:11.9/9

+ sign 0.007+/-0.006 χ^2/NDF: 32.3/26

All: 0.003+/-0.004 χ^2/NDF: 67.9/55

- sign -0.001+/-0.006 χ^2/NDF: 34.8/28

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.181+/-0.006 χ^2/NDF:976452.9/10

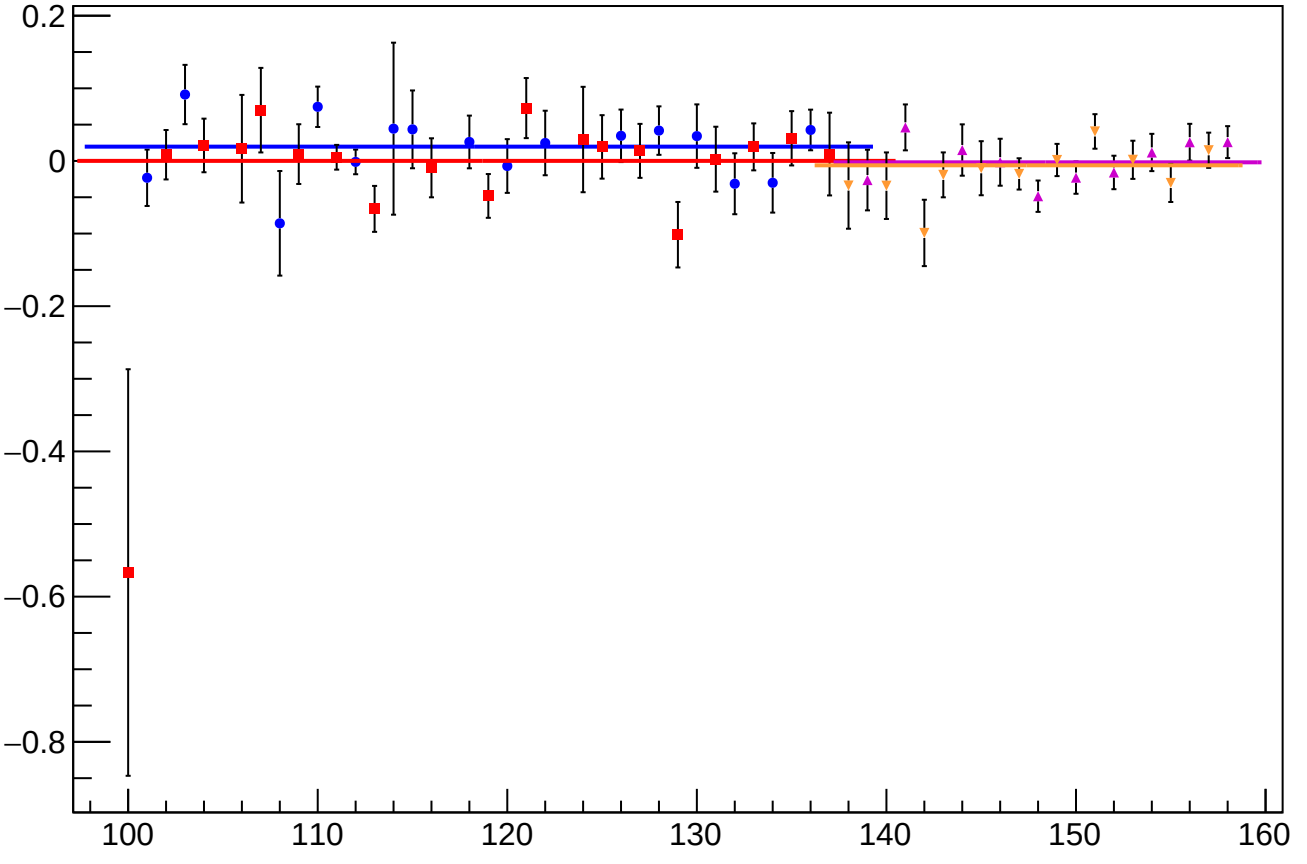
Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 23.775+/-0.006 χ^2/NDF:645763.5/9

+ sign 22.828+/-0.004 χ^2/NDF: 2617827.1/26

All: 22.717+/-0.003 χ^2/NDF: 4657567.0/55

- sign 22.611+/-0.004 χ^2/NDF: 2038452.9/28



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.009 χ^2/NDF:10.9/10

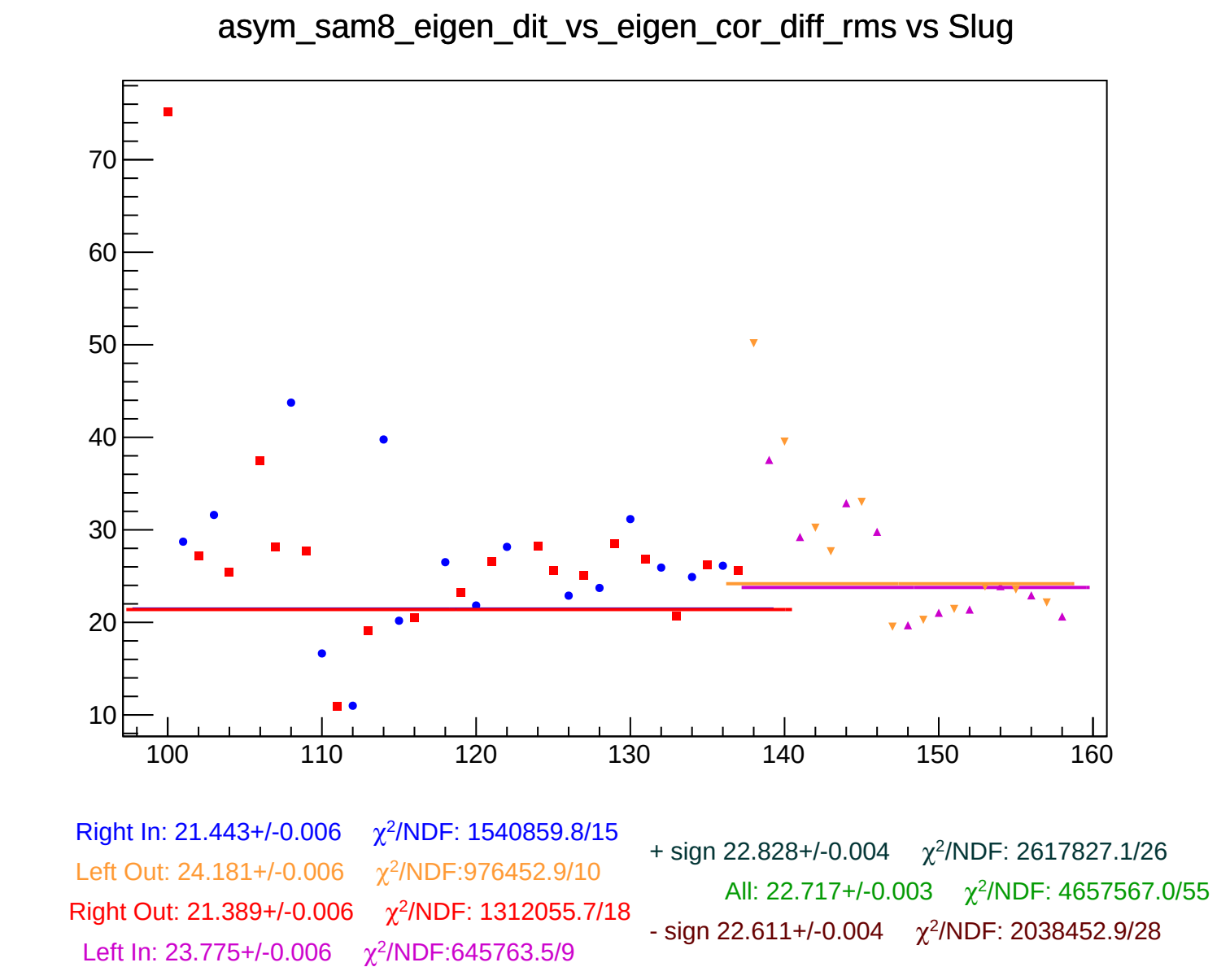
Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

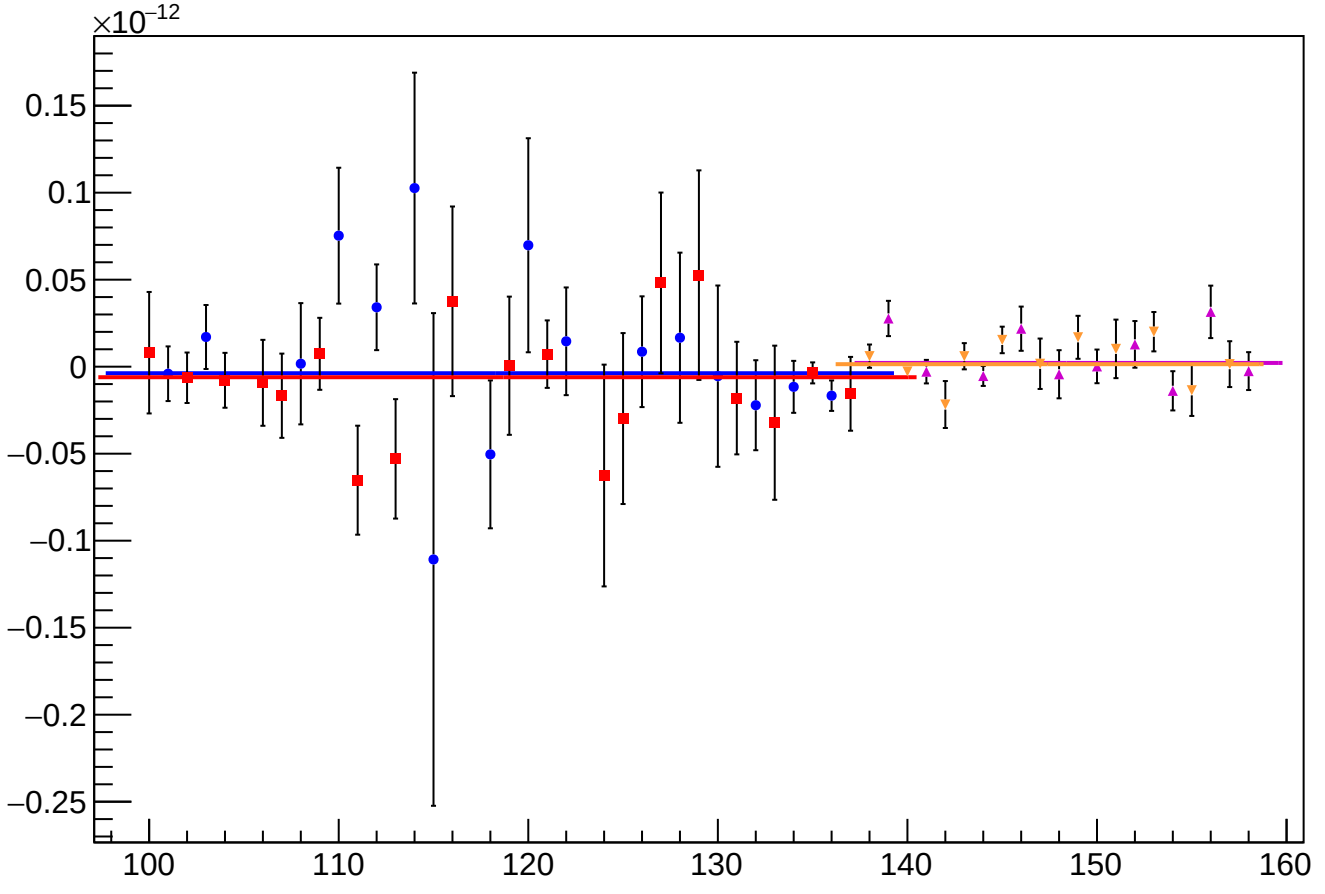
Left In: -0.002+/-0.008 χ^2/NDF:11.9/9

+ sign 0.007+/-0.006 χ^2/NDF: 32.3/26

All: 0.003+/-0.004 χ^2/NDF: 67.9/55

- sign -0.001+/-0.006 χ^2/NDF: 34.8/28


asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 21.443+/-0.006 χ²/NDF: 1540859.8/15
Left Out: 24.181+/-0.006 χ²/NDF:976452.9/10
Right Out: 21.389+/-0.006 χ²/NDF: 1312055.7/18
Left In: 23.775+/-0.006 χ²/NDF:645763.5/9
+ sign 22.828+/-0.004 χ²/NDF: 2617827.1/26
All: 22.717+/-0.003 χ²/NDF: 4657567.0/55
- sign 22.611+/-0.004 χ²/NDF: 2038452.9/28



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.9/10

Right Out: -0.000+/-0.000 χ^2/NDF: 11.3/18

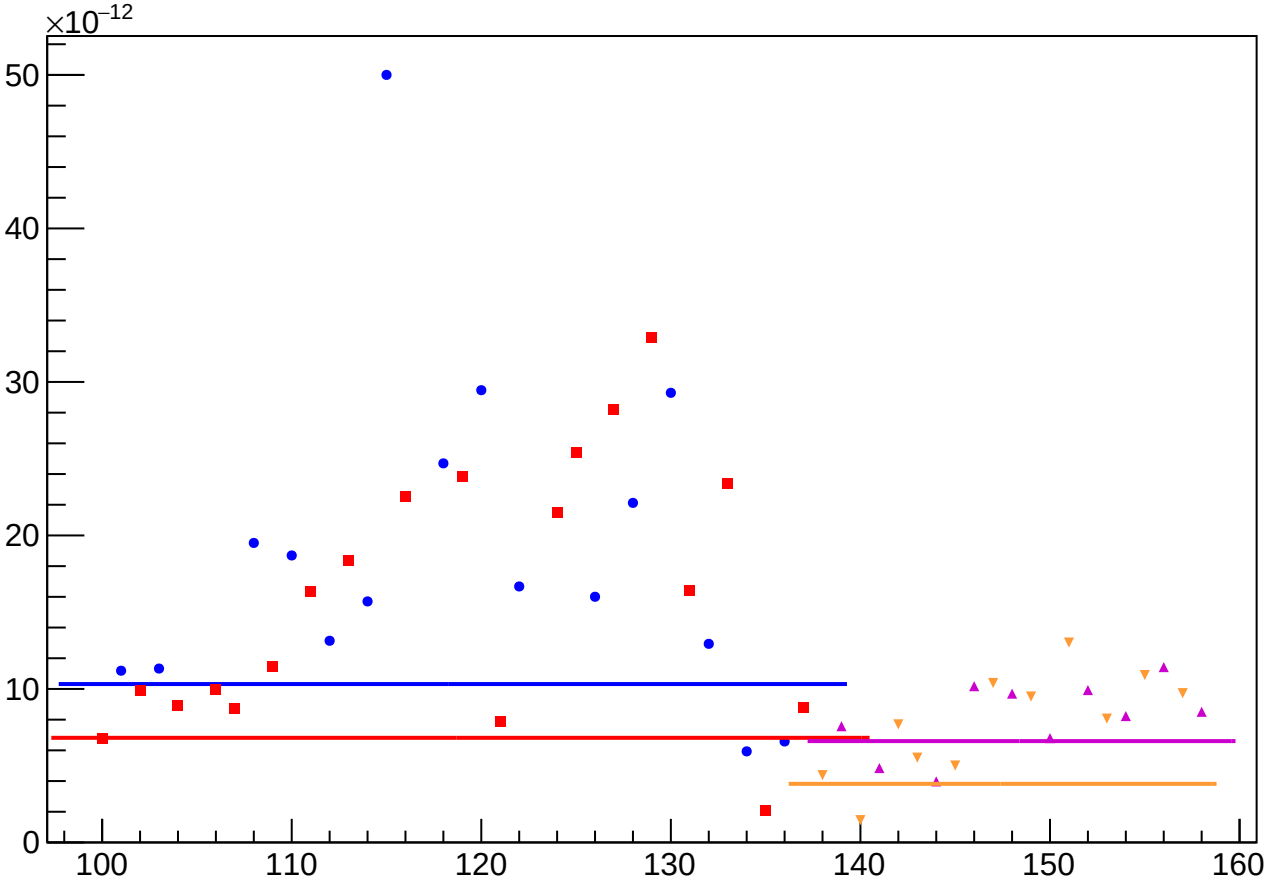
Left In: 0.000+/-0.000 χ^2/NDF:17.9/9

+ sign 0.000+/-0.000 χ^2/NDF: 32.8/26

All: 0.000+/-0.000 χ^2/NDF: 64.6/55

- sign -0.000+/-0.000 χ^2/NDF: 31.6/28

asym_sam8_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1951308.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:4263005.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 4021812.9/18

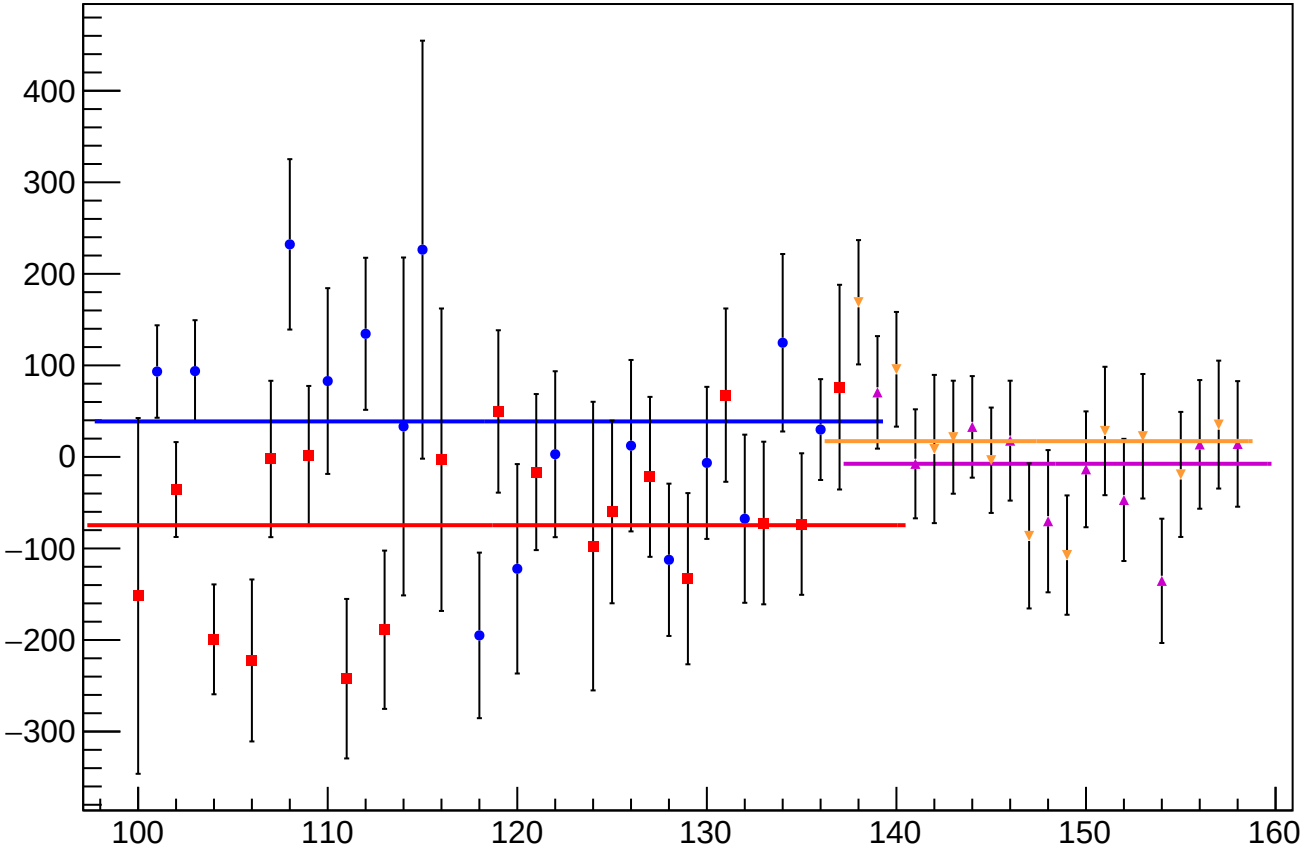
Left In: 0.000+/-0.000 χ^2/NDF:1263817.7/9

+ sign 0.000+/-0.000 χ^2/NDF: 8640085.3/26

All: 0.000+/-0.000 χ^2/NDF: 14712960.0/55

- sign 0.000+/-0.000 χ^2/NDF: 5288943.6/28

reg_asym_sam_15_avg_mean vs Slug



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 17.215+/-20.321 χ^2/NDF:12.4/10

Right Out: -74.578+/-19.802 χ^2/NDF: 22.5/18

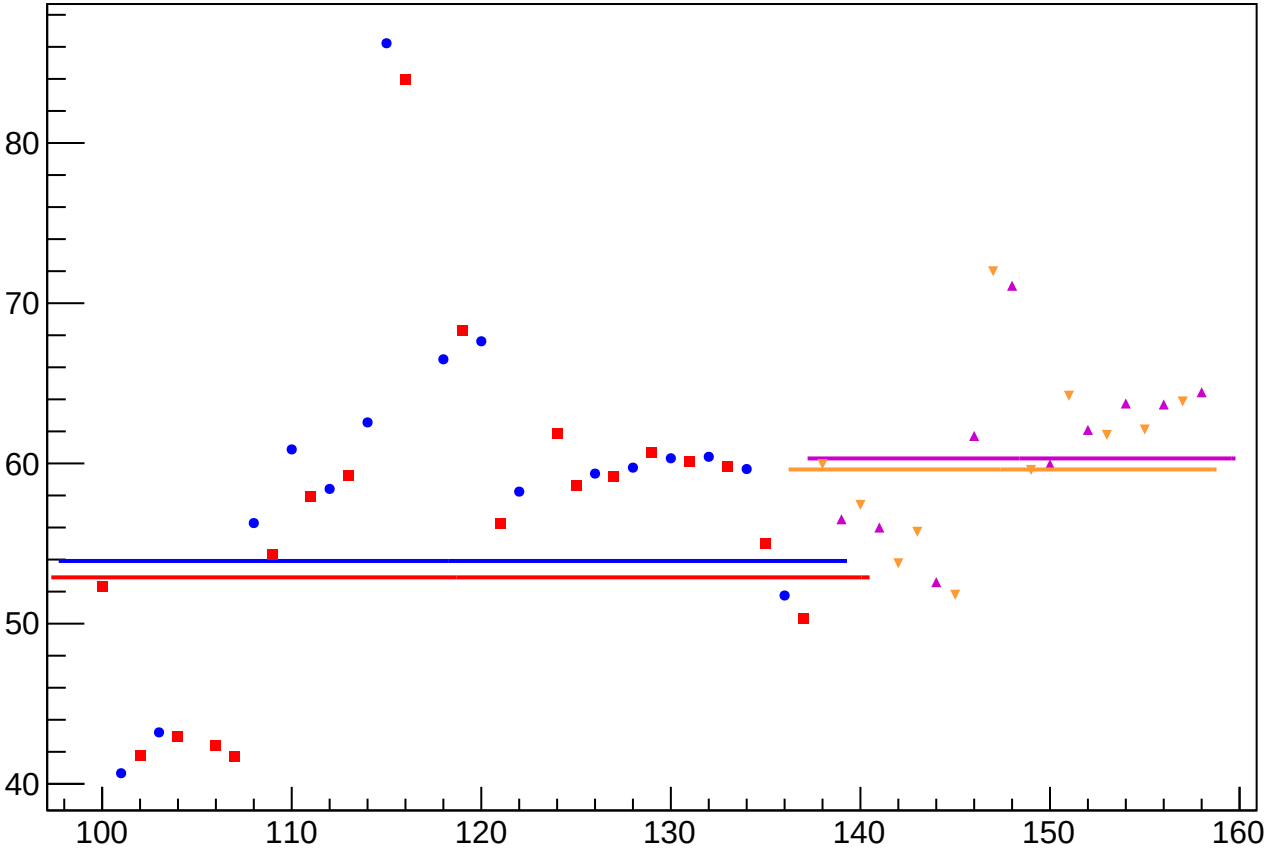
Left In: -7.493+/-20.513 χ^2/NDF:7.0/9

+ sign 27.950+/-14.402 χ^2/NDF: 36.3/26

All: -7.514+/-10.128 χ^2/NDF: 83.3/55

- sign -42.218+/-14.247 χ^2/NDF: 35.0/28

reg_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 59.622+/-0.014 χ^2/NDF:127272.8/10

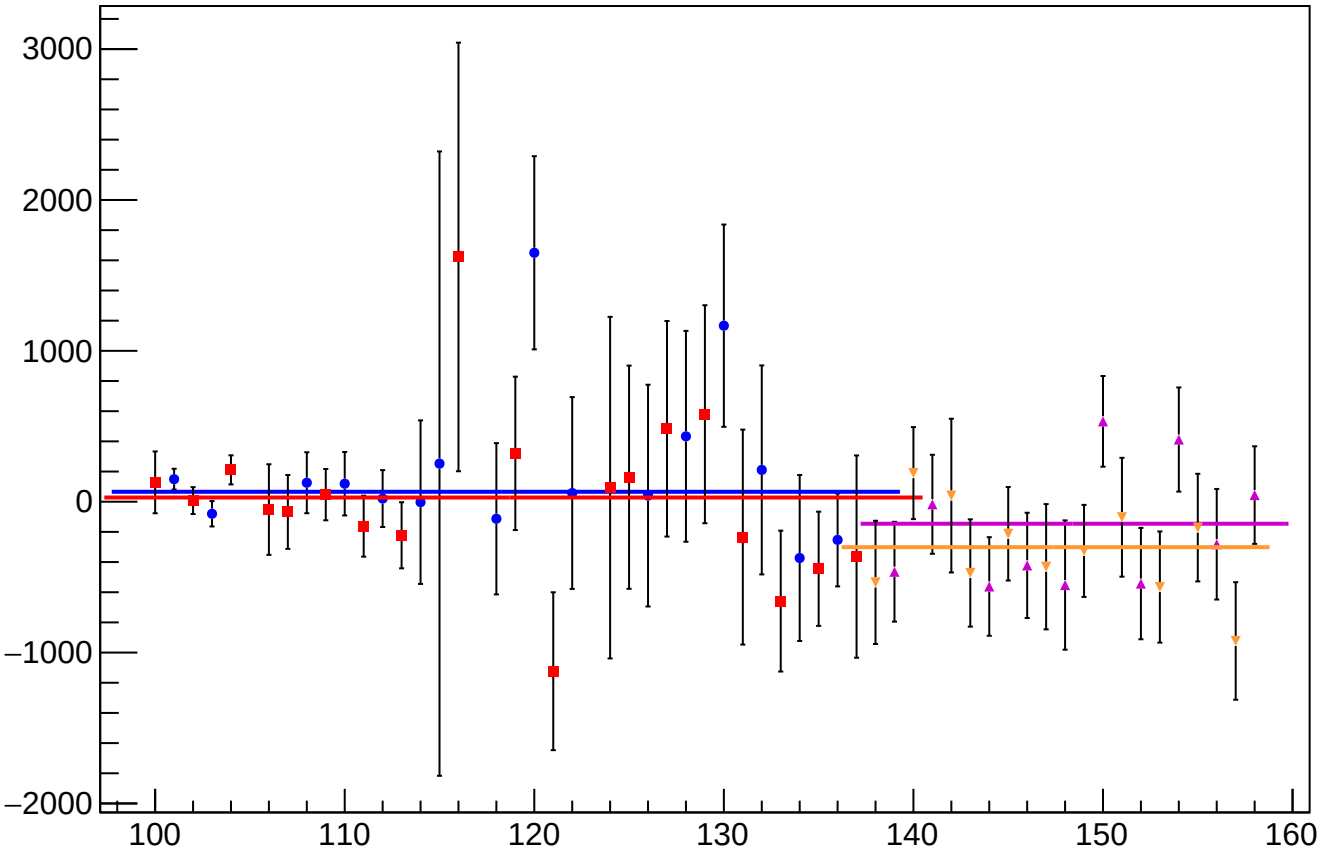
Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

Left In: 60.311+/-0.015 χ^2/NDF:114693.0/9

+ sign 56.780+/-0.010 χ^2/NDF: 599124.6/26

All: 56.623+/-0.007 χ^2/NDF: 1275061.2/55

- sign 56.469+/-0.010 χ^2/NDF: 675466.0/28



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -301.269+/-109.279 χ^2/NDF:7.2/10

Right Out: 27.850+/-50.291 χ^2/NDF: 18.0/18

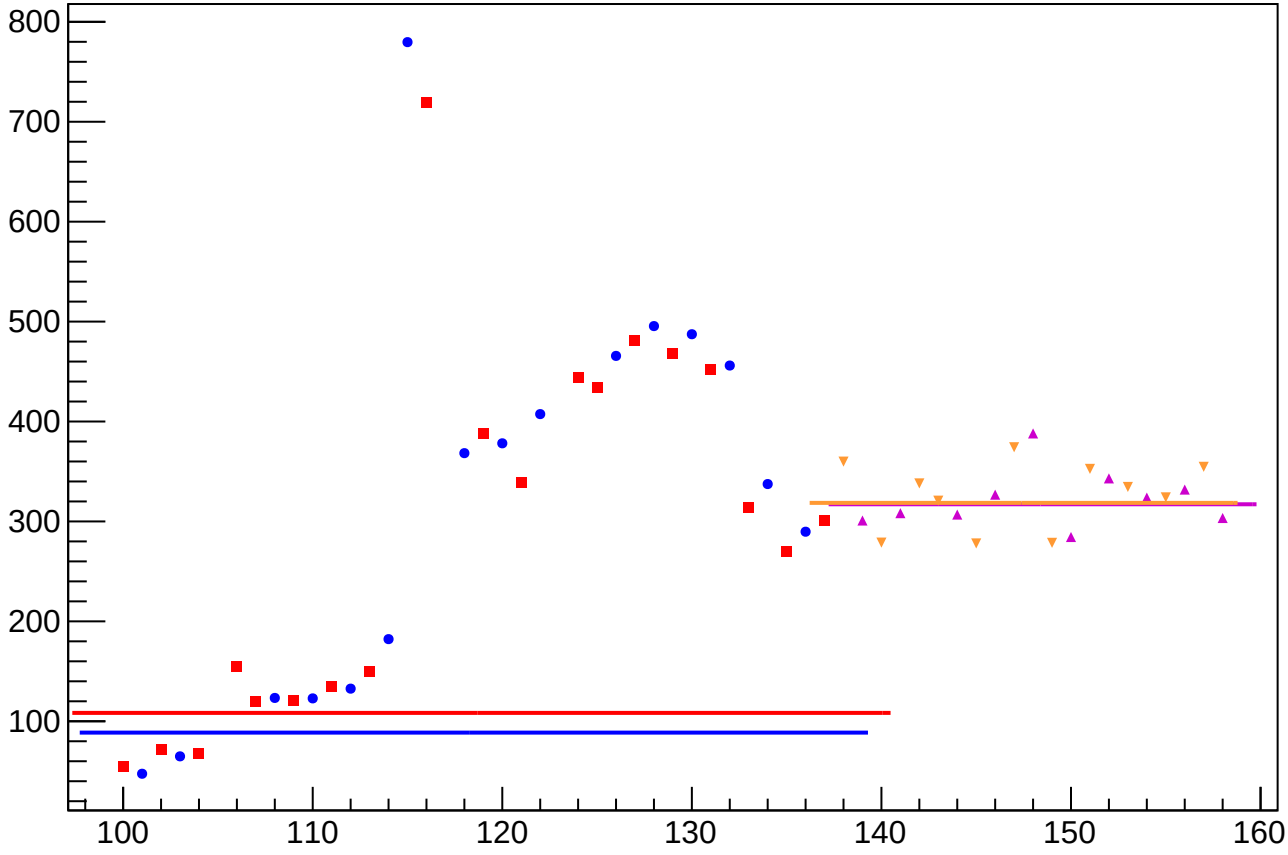
Left In: -145.929+/-108.299 χ^2/NDF:13.6/9

+ sign 9.615+/-42.771 χ^2/NDF: 32.5/26

All: 3.724+/-31.200 χ^2/NDF: 66.2/55

- sign -2.977+/-45.613 χ^2/NDF: 33.7/28

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 88.658+/-0.033 χ^2/NDF: 6648055.6/15

Left Out: 318.572+/-0.077 χ^2/NDF:198427.5/10

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

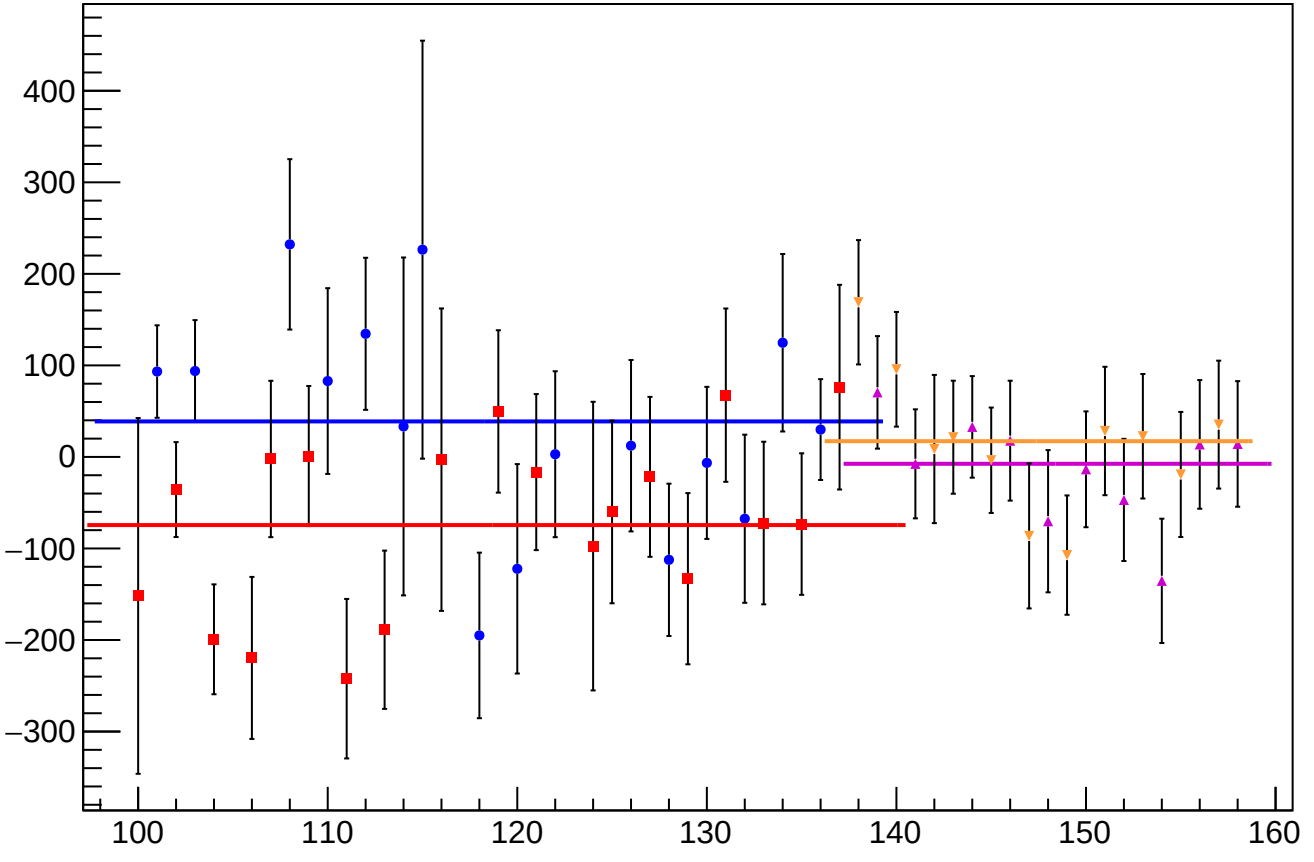
Left In: 317.171+/-0.077 χ^2/NDF:105727.1/9

+ sign 123.877+/-0.030 χ^2/NDF: 14343276.1/26

All: 133.958+/-0.022 χ^2/NDF: 26164024.9/55

- sign 145.422+/-0.032 χ^2/NDF: 11583311.7/28

cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 17.215+/-20.321 χ^2/NDF:12.4/10

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

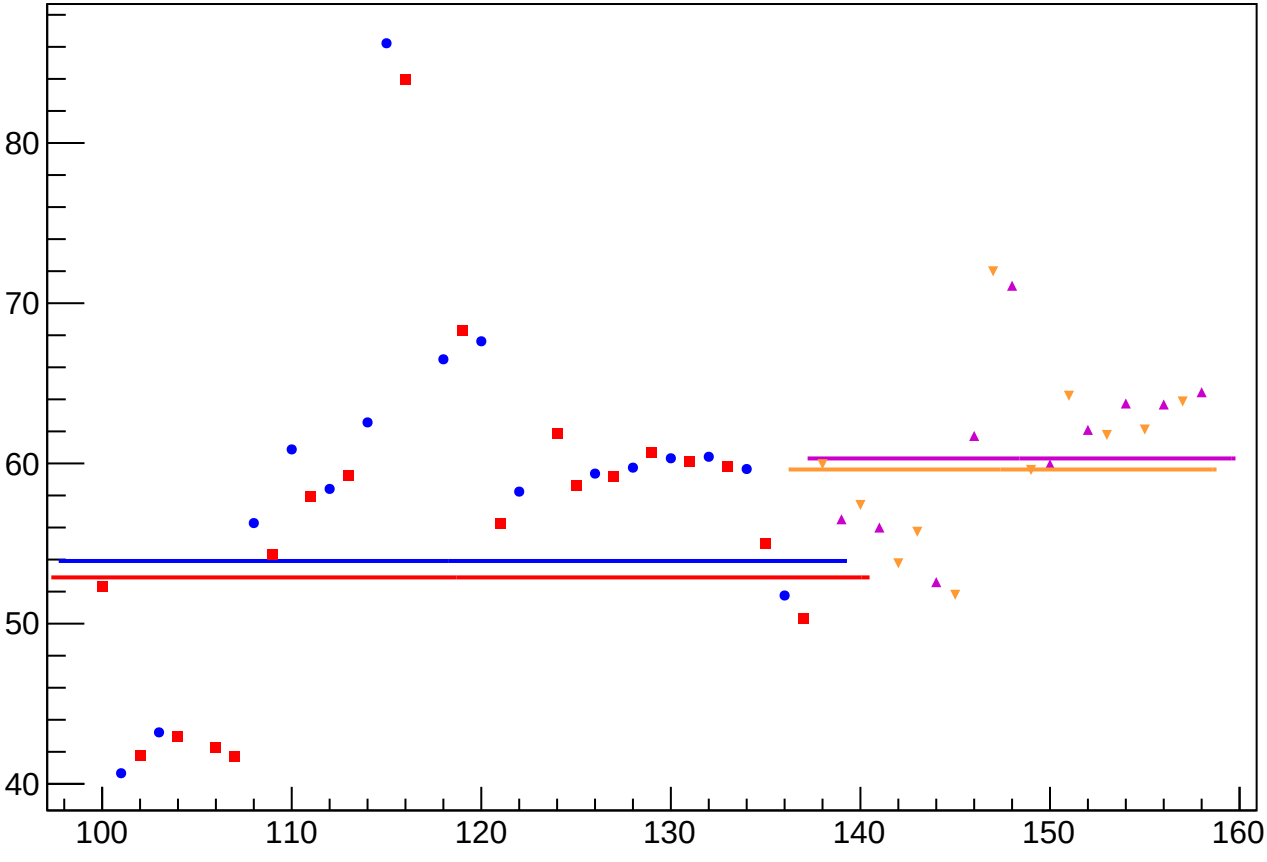
Left In: -7.493+/-20.513 χ^2/NDF:7.0/9

+ sign 27.956+/-14.402 χ^2/NDF: 36.3/26

All: -7.473+/-10.128 χ^2/NDF: 83.2/55

- sign -42.146+/-14.247 χ^2/NDF: 34.9/28

cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 59.622+/-0.014 χ^2/NDF:127272.8/10

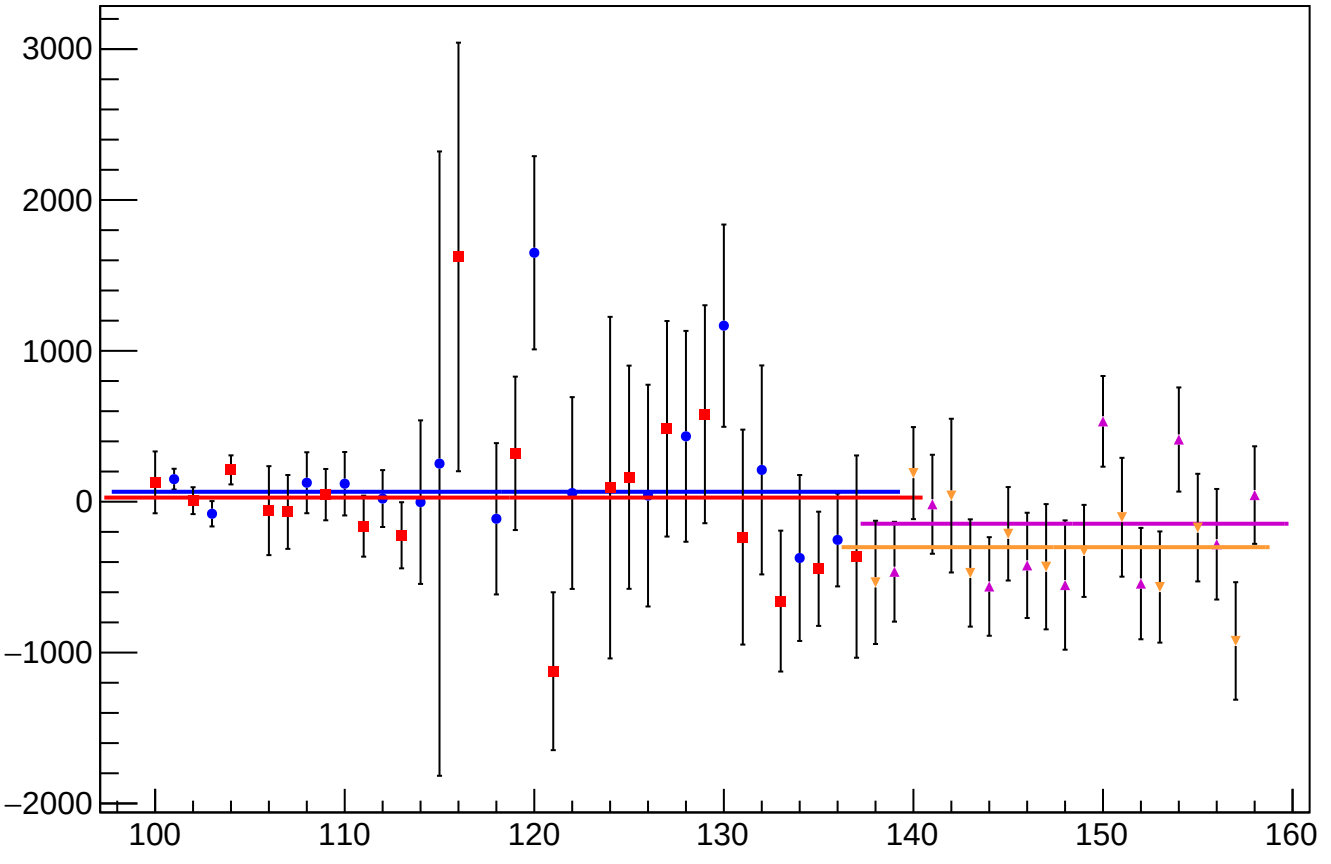
Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 60.311+/-0.015 χ^2/NDF:114693.0/9

+ sign 56.780+/-0.010 χ^2/NDF: 599123.8/26

All: 56.622+/-0.007 χ^2/NDF: 1275443.3/55

- sign 56.468+/-0.010 χ^2/NDF: 675846.3/28



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -301.270+/-109.279 χ^2/NDF:7.2/10

Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

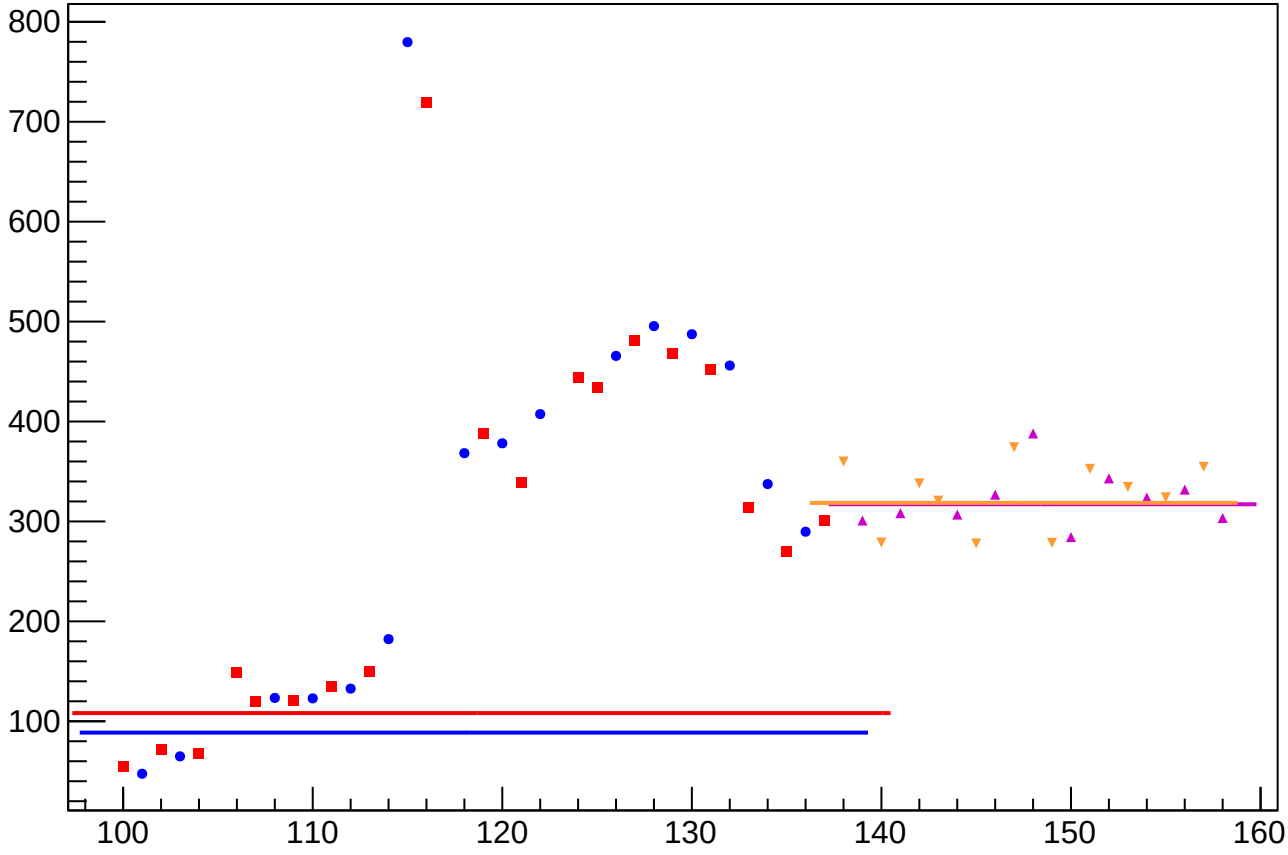
Left In: -145.927+/-108.298 χ^2/NDF:13.6/9

+ sign 9.620+/-42.770 χ^2/NDF: 32.5/26

All: 3.571+/-31.189 χ^2/NDF: 66.2/55

- sign -3.299+/-45.581 χ^2/NDF: 33.7/28

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 318.572+/-0.077 χ^2/NDF:198427.7/10

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

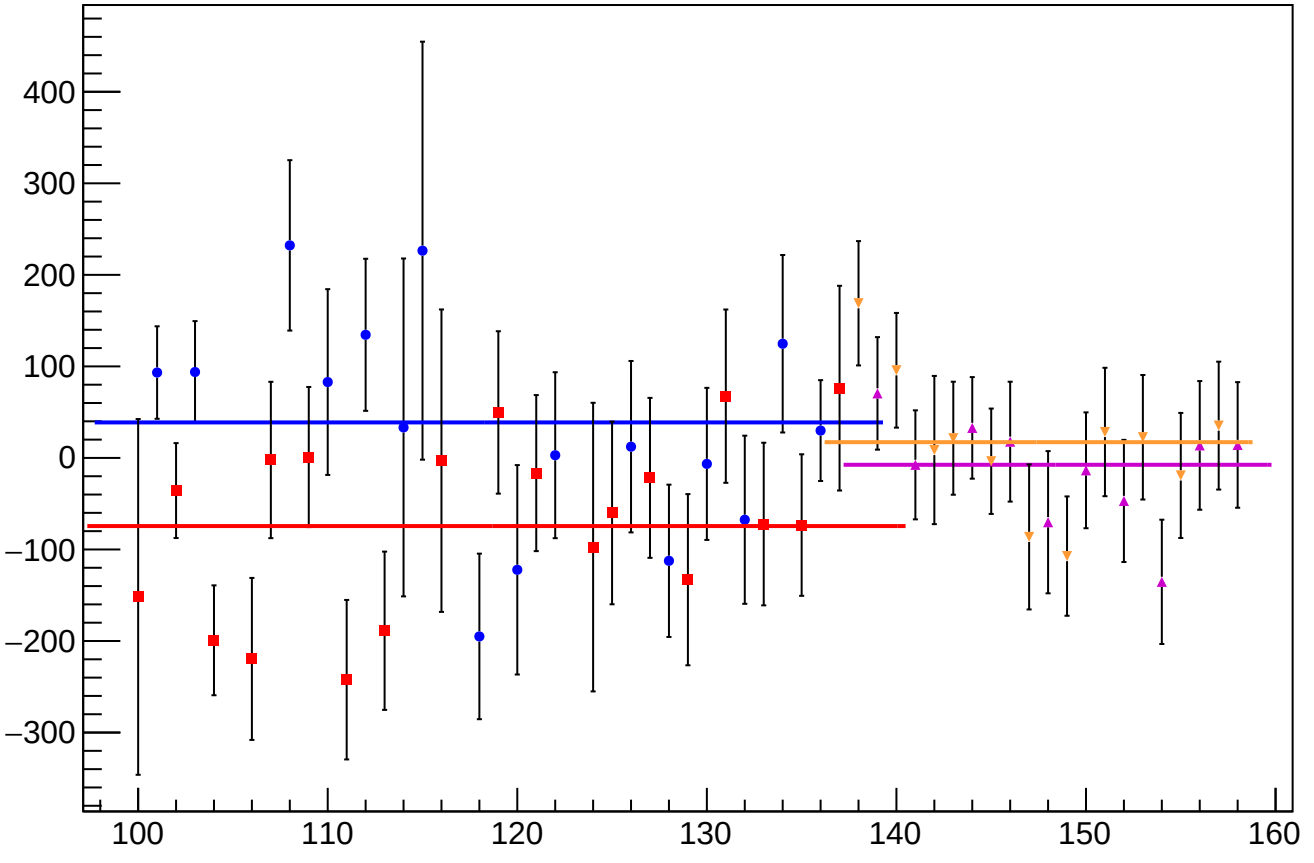
Left In: 317.170+/-0.077 χ^2/NDF:105728.1/9

+ sign 123.874+/-0.030 χ^2/NDF: 14343572.7/26

All: 133.870+/-0.022 χ^2/NDF: 26164542.4/55

- sign 145.223+/-0.032 χ^2/NDF: 11587639.9/28

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 17.215+/-20.321 χ^2/NDF:12.4/10

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

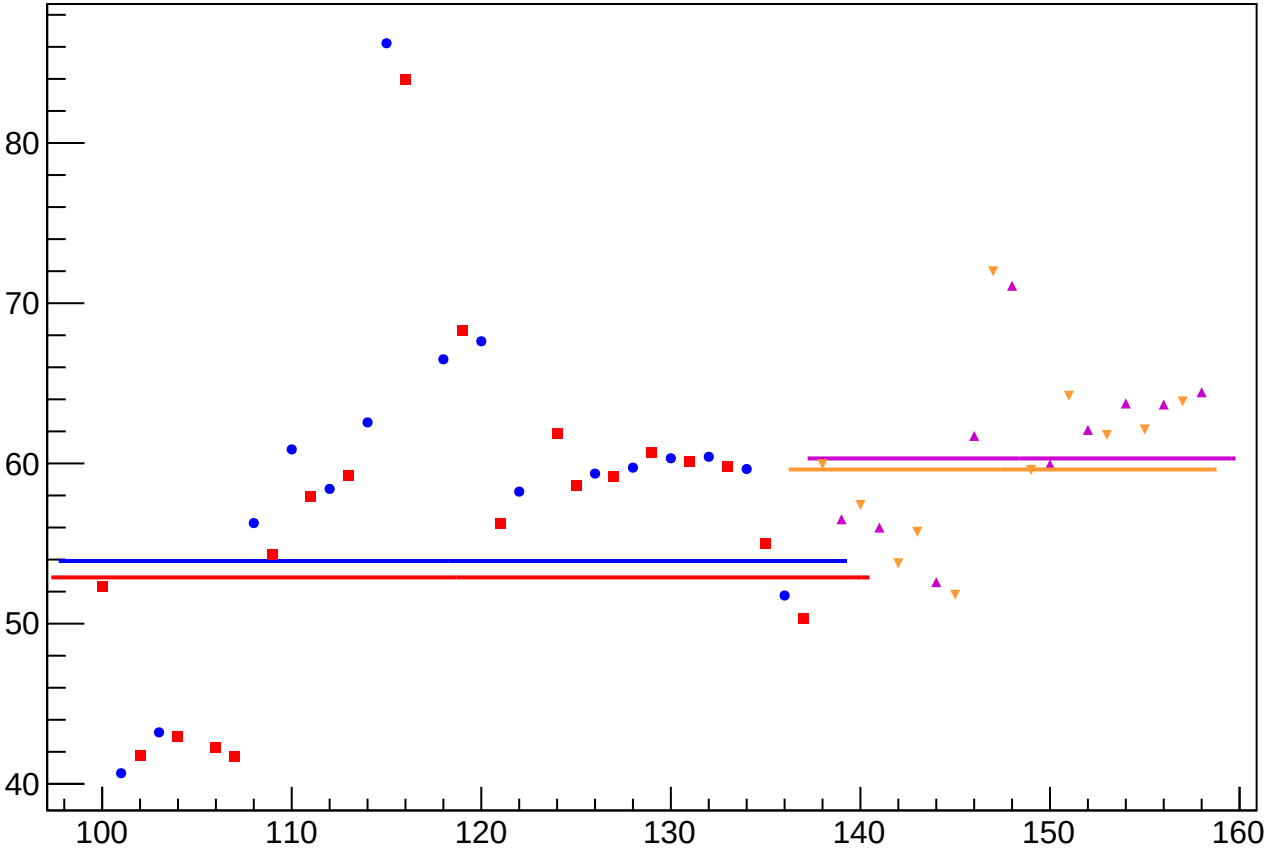
Left In: -7.493+/-20.513 χ^2/NDF:7.0/9

+ sign 27.956+/-14.402 χ^2/NDF: 36.3/26

All: -7.473+/-10.128 χ^2/NDF: 83.2/55

- sign -42.146+/-14.247 χ^2/NDF: 34.9/28

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 59.622+/-0.014 χ^2/NDF:127272.8/10

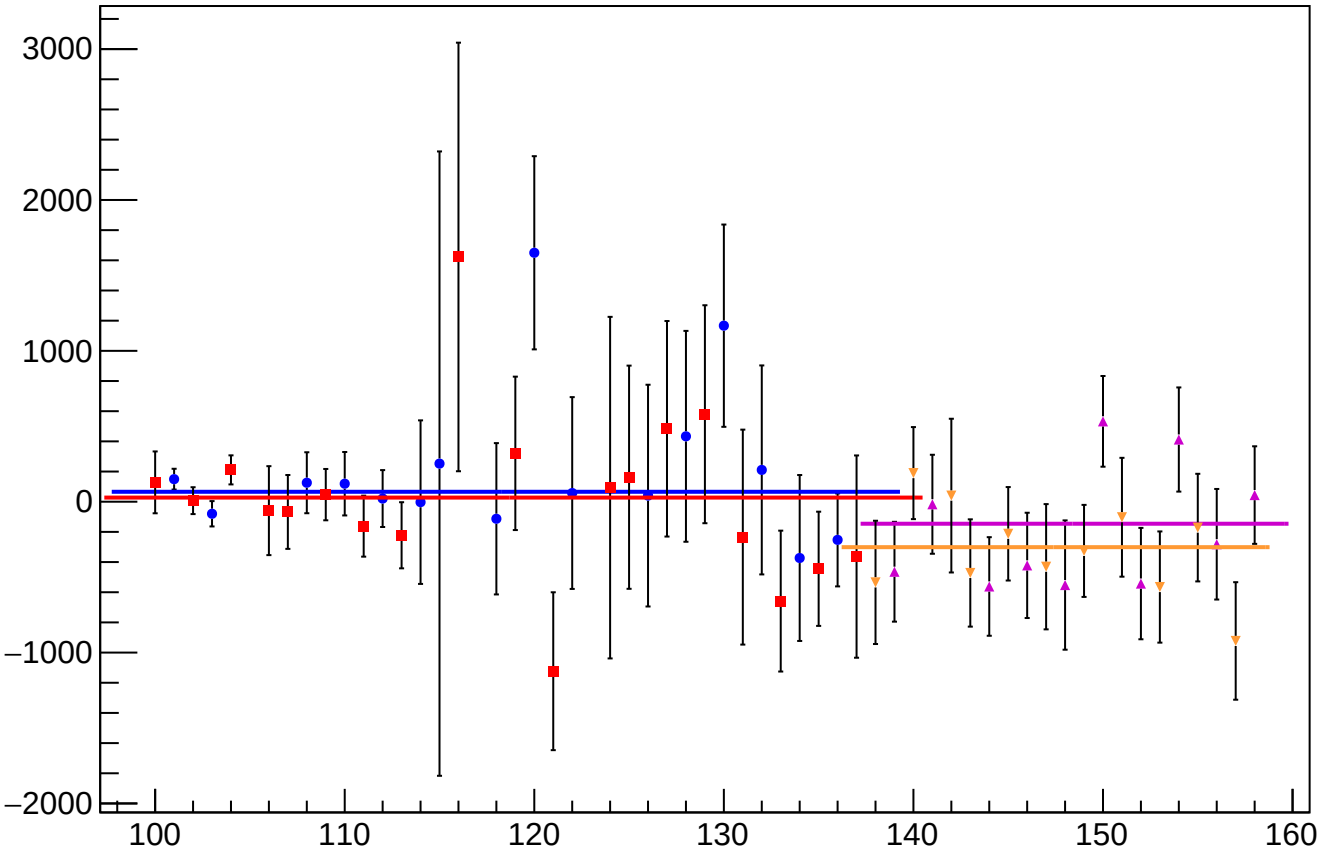
Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 60.311+/-0.015 χ^2/NDF:114693.0/9

+ sign 56.780+/-0.010 χ^2/NDF: 599123.8/26

All: 56.622+/-0.007 χ^2/NDF: 1275443.3/55

- sign 56.468+/-0.010 χ^2/NDF: 675846.3/28



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -301.270+/-109.279 χ^2/NDF:7.2/10

Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

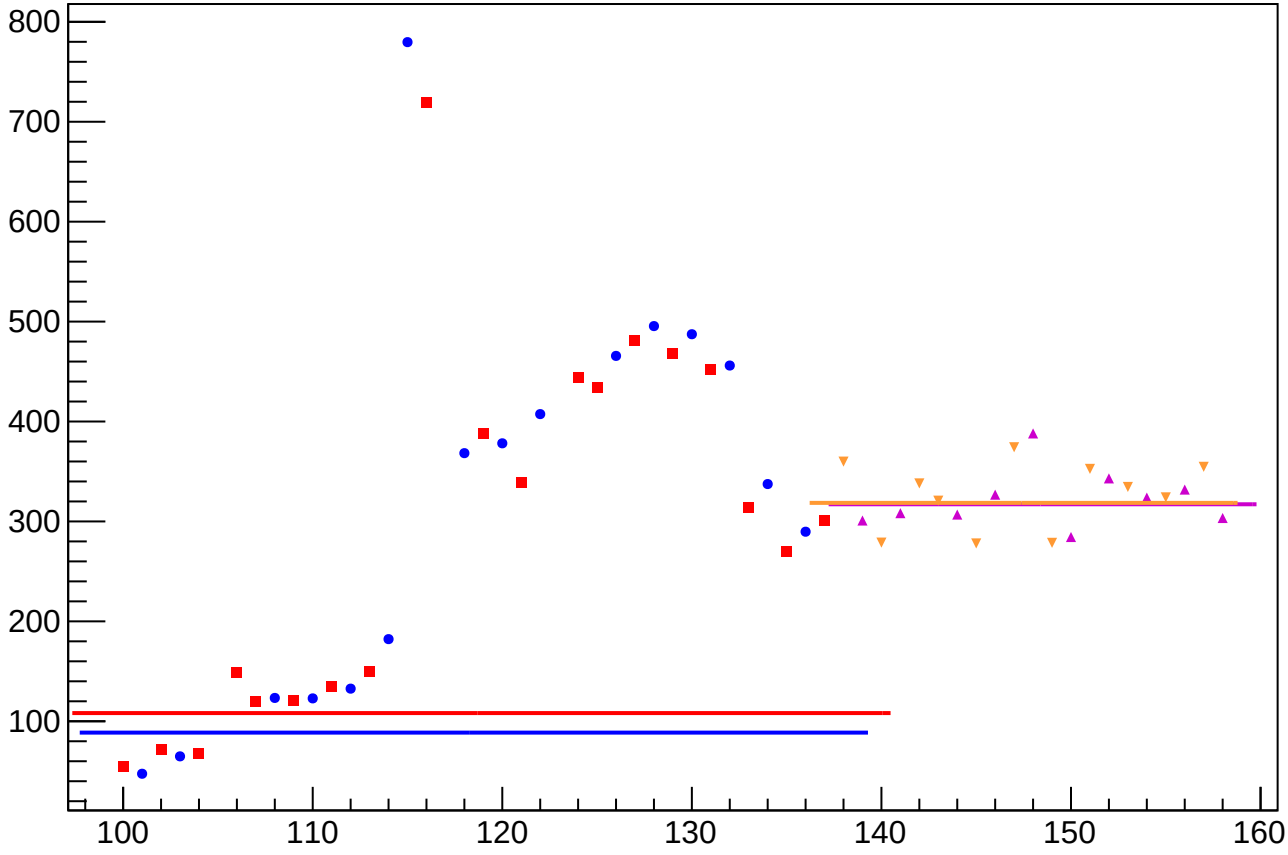
Left In: -145.927+/-108.298 χ^2/NDF:13.6/9

+ sign 9.620+/-42.770 χ^2/NDF: 32.5/26

All: 3.571+/-31.189 χ^2/NDF: 66.2/55

- sign -3.299+/-45.581 χ^2/NDF: 33.7/28

asym_sam_15_avg_eigen_cor_correction_rms vs Slug



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 318.572+/-0.077 χ^2/NDF:198427.7/10

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

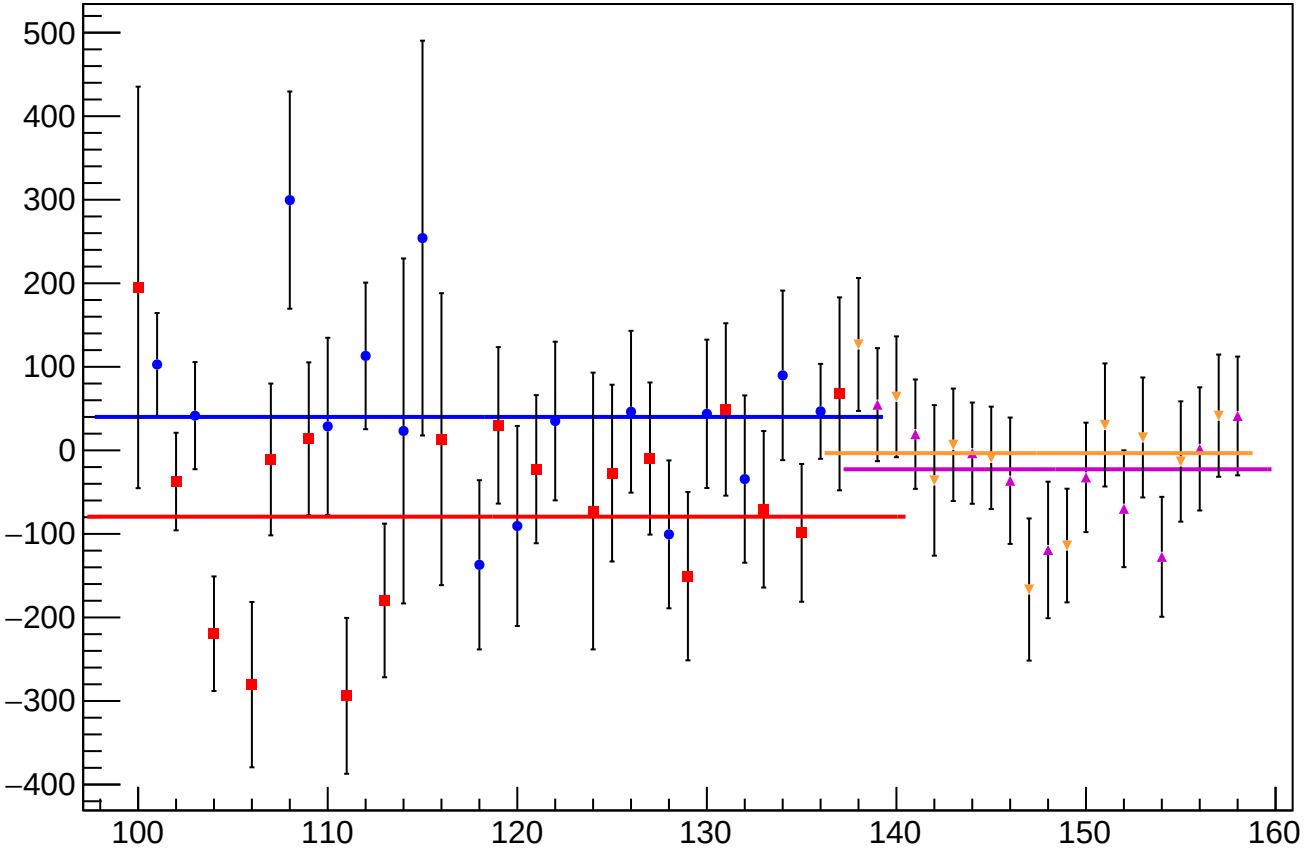
Left In: 317.170+/-0.077 χ^2/NDF:105728.1/9

+ sign 123.874+/-0.030 χ^2/NDF: 14343572.7/26

All: 133.870+/-0.022 χ^2/NDF: 26164542.4/55

- sign 145.223+/-0.032 χ^2/NDF: 11587639.9/28

dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: -3.324+/-21.969 χ^2/NDF:10.7/10

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

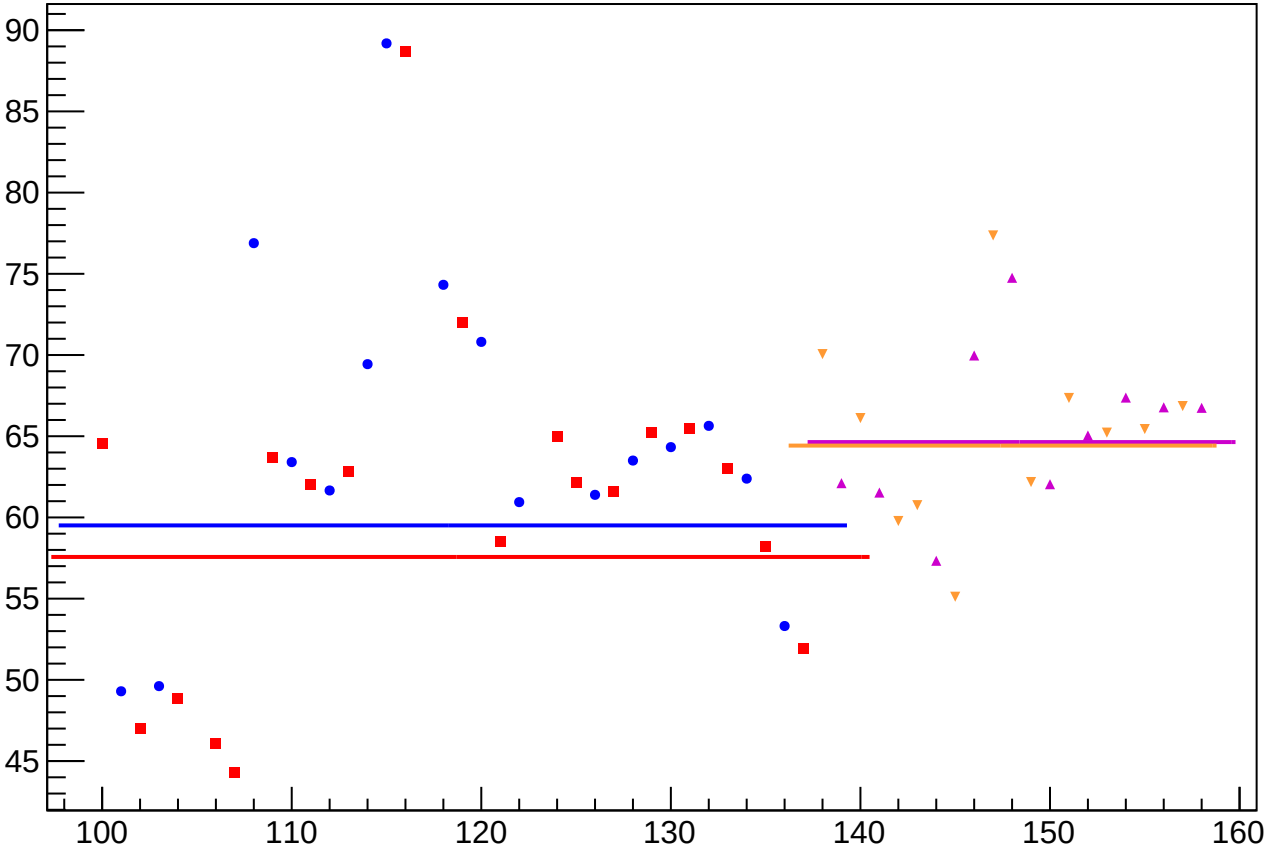
Left In: -22.637+/-22.018 χ^2/NDF:6.8/9

+ sign 17.821+/-15.724 χ^2/NDF: 26.7/26

All: -17.578+/-11.006 χ^2/NDF: 71.7/55

- sign -51.582+/-15.411 χ^2/NDF: 35.0/28

dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 64.423+/-0.016 χ^2/NDF:122992.2/10

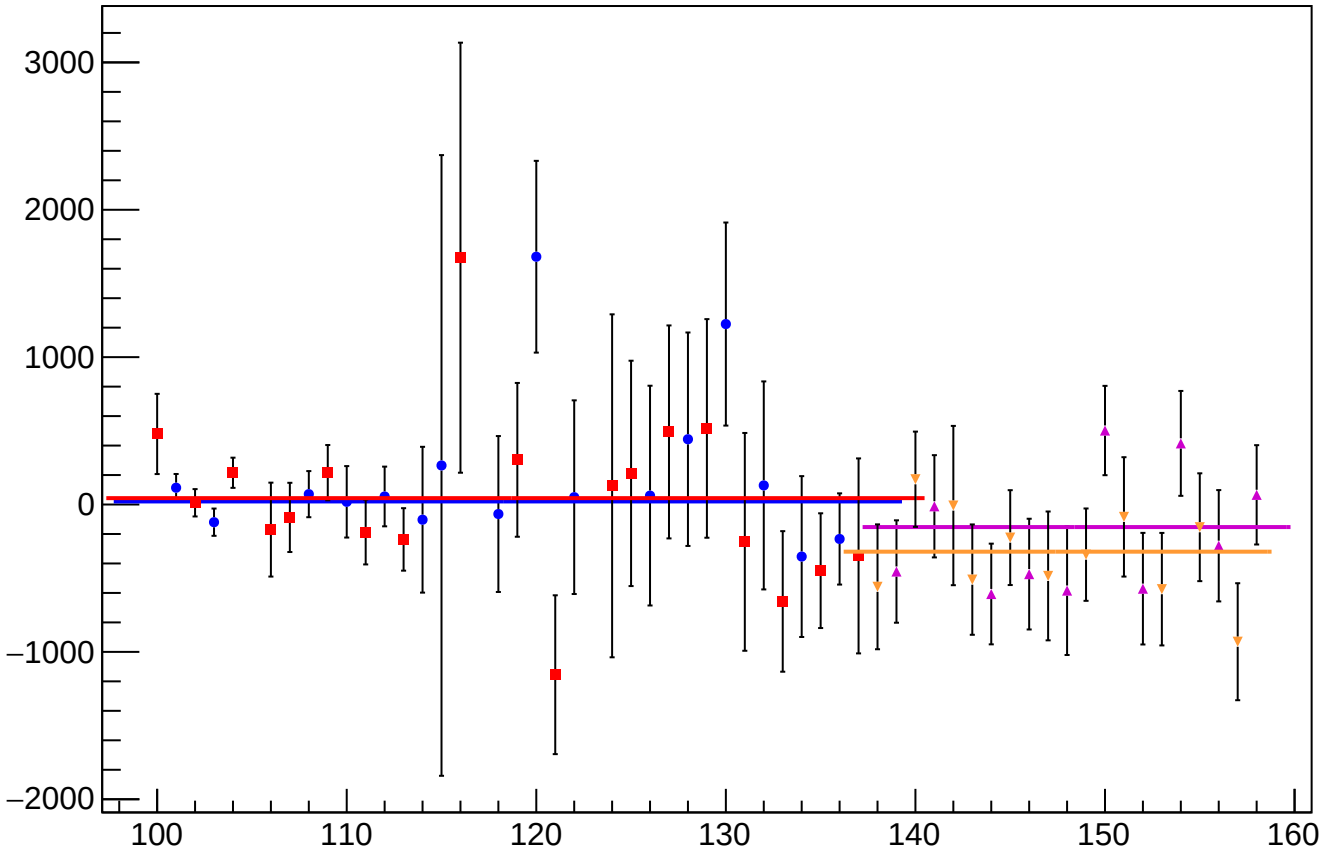
Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

Left In: 64.640+/-0.016 χ^2/NDF:86549.8/9

+ sign 62.026+/-0.011 χ^2/NDF: 455004.1/26

All: 61.519+/-0.008 χ^2/NDF: 998290.8/55

- sign 61.032+/-0.011 χ^2/NDF: 539204.8/28



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -319.982+/-113.558 χ^2/NDF:6.8/10

Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

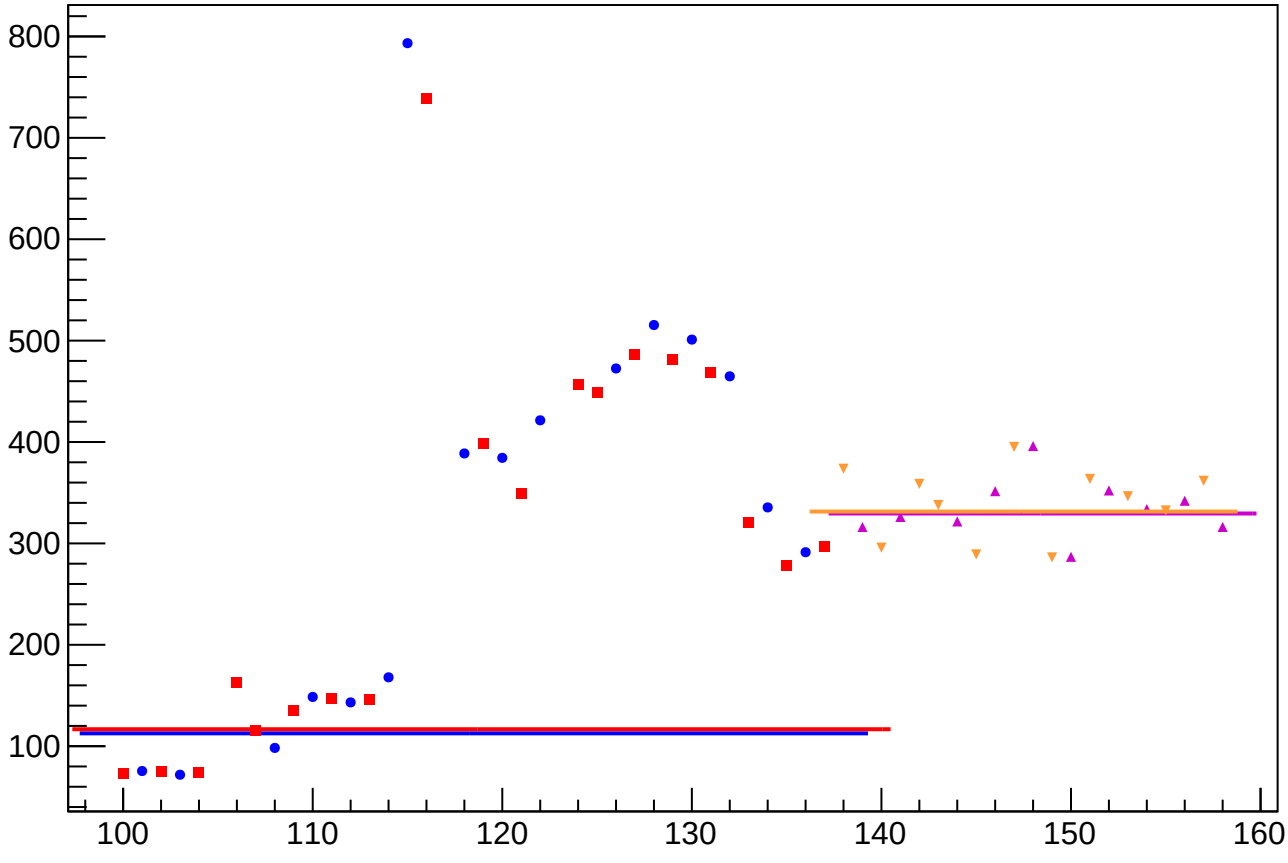
Left In: -153.021+/-112.474 χ^2/NDF:13.4/9

+ sign -41.228+/-48.461 χ^2/NDF: 28.8/26

All: -16.750+/-34.138 χ^2/NDF: 66.7/55

- sign 7.365+/-48.099 χ^2/NDF: 37.3/28

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 331.424+/-0.080 χ^2/NDF:196000.7/10

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

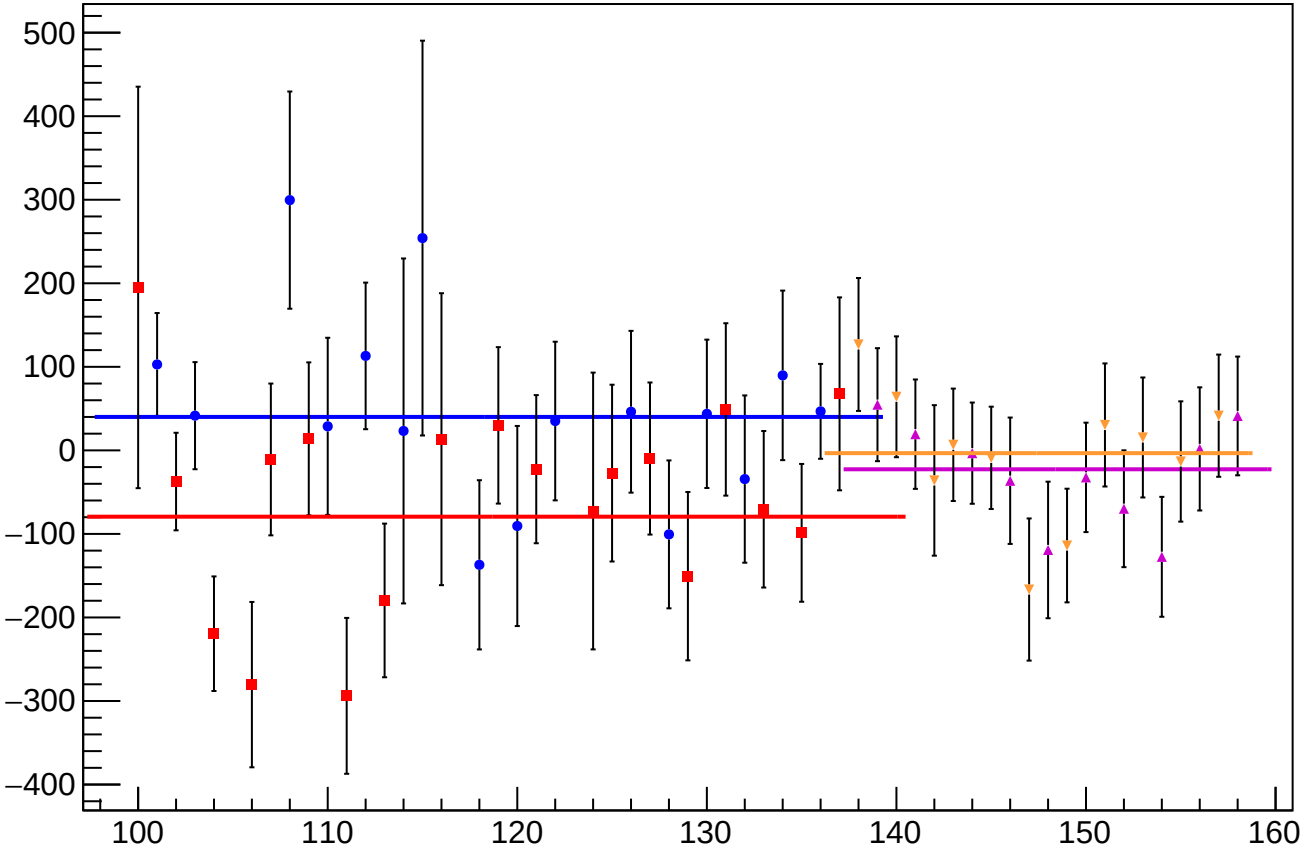
Left In: 329.496+/-0.080 χ^2/NDF:109966.3/9

+ sign 152.507+/-0.034 χ^2/NDF: 11865870.4/26

All: 154.087+/-0.024 χ^2/NDF: 22969460.0/55

- sign 155.644+/-0.034 χ^2/NDF: 11099368.0/28

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: -3.324+/-21.969 χ^2/NDF:10.7/10

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

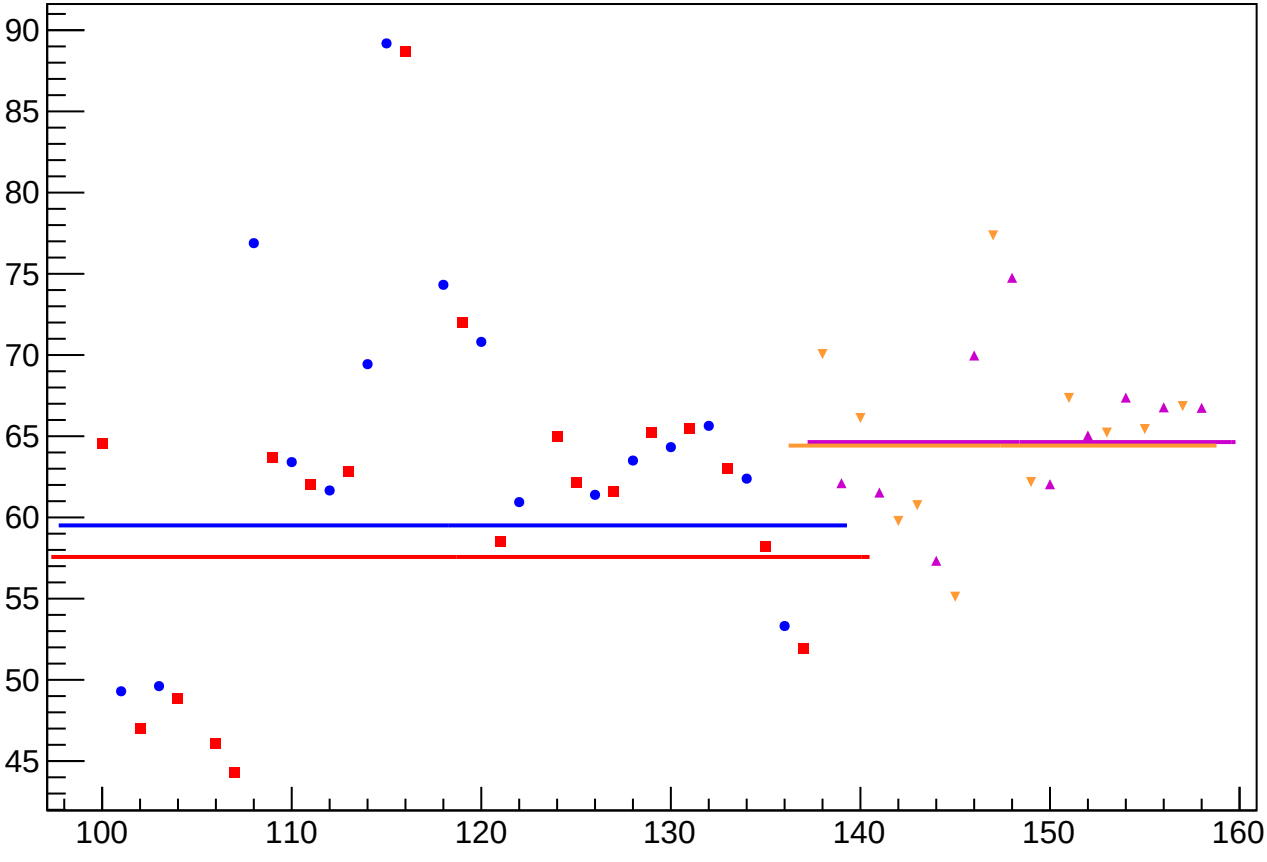
Left In: -22.638+/-22.018 χ^2/NDF:6.8/9

+ sign 17.821+/-15.724 χ^2/NDF: 26.7/26

All: -17.578+/-11.006 χ^2/NDF: 71.7/55

- sign -51.582+/-15.411 χ^2/NDF: 35.0/28

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 64.424+/-0.016 χ^2/NDF:122995.4/10

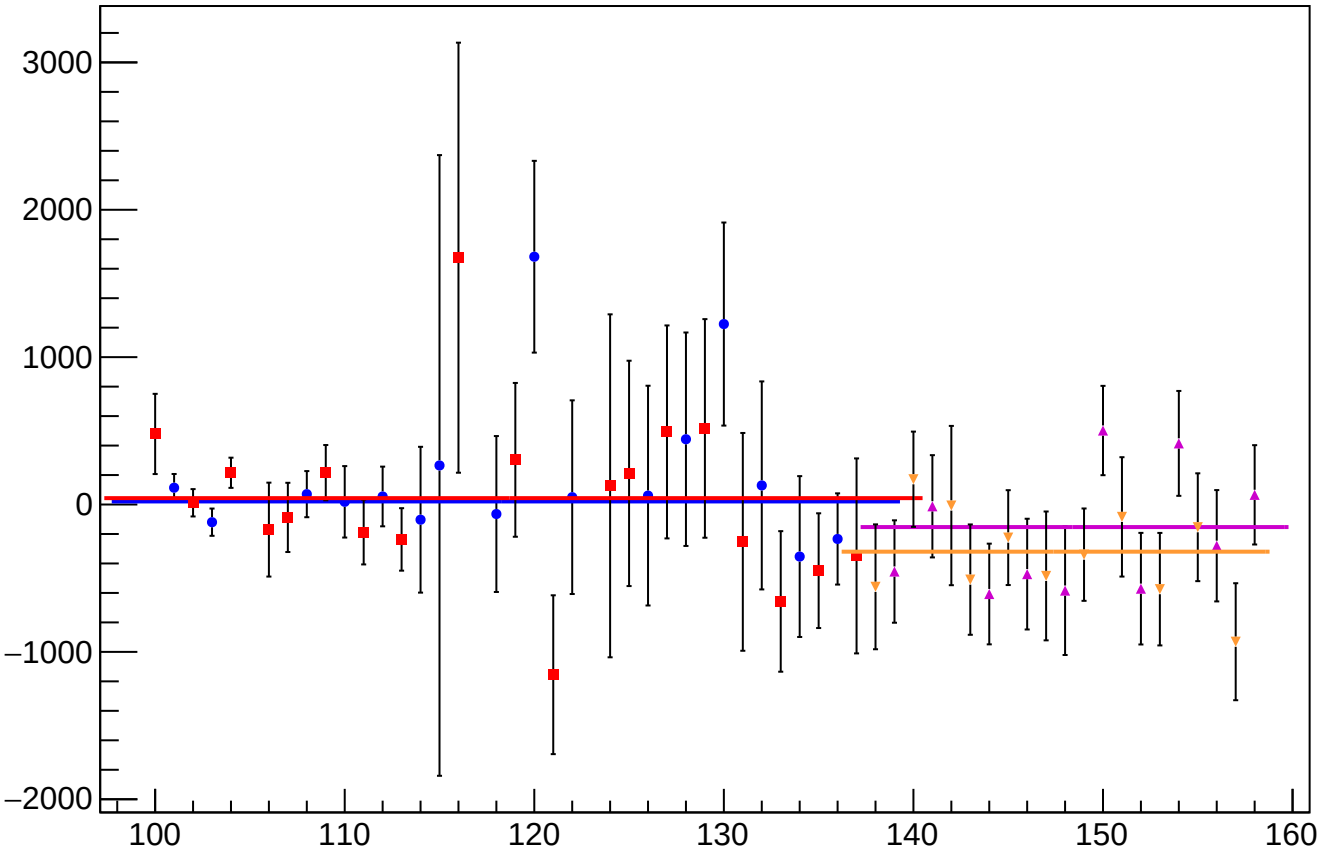
Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 64.640+/-0.016 χ^2/NDF:86549.1/9

+ sign 62.026+/-0.011 χ^2/NDF: 455010.0/26

All: 61.519+/-0.008 χ^2/NDF: 998300.0/55

- sign 61.032+/-0.011 χ^2/NDF: 539208.2/28



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -319.982+/-113.559 χ^2/NDF:6.8/10

Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

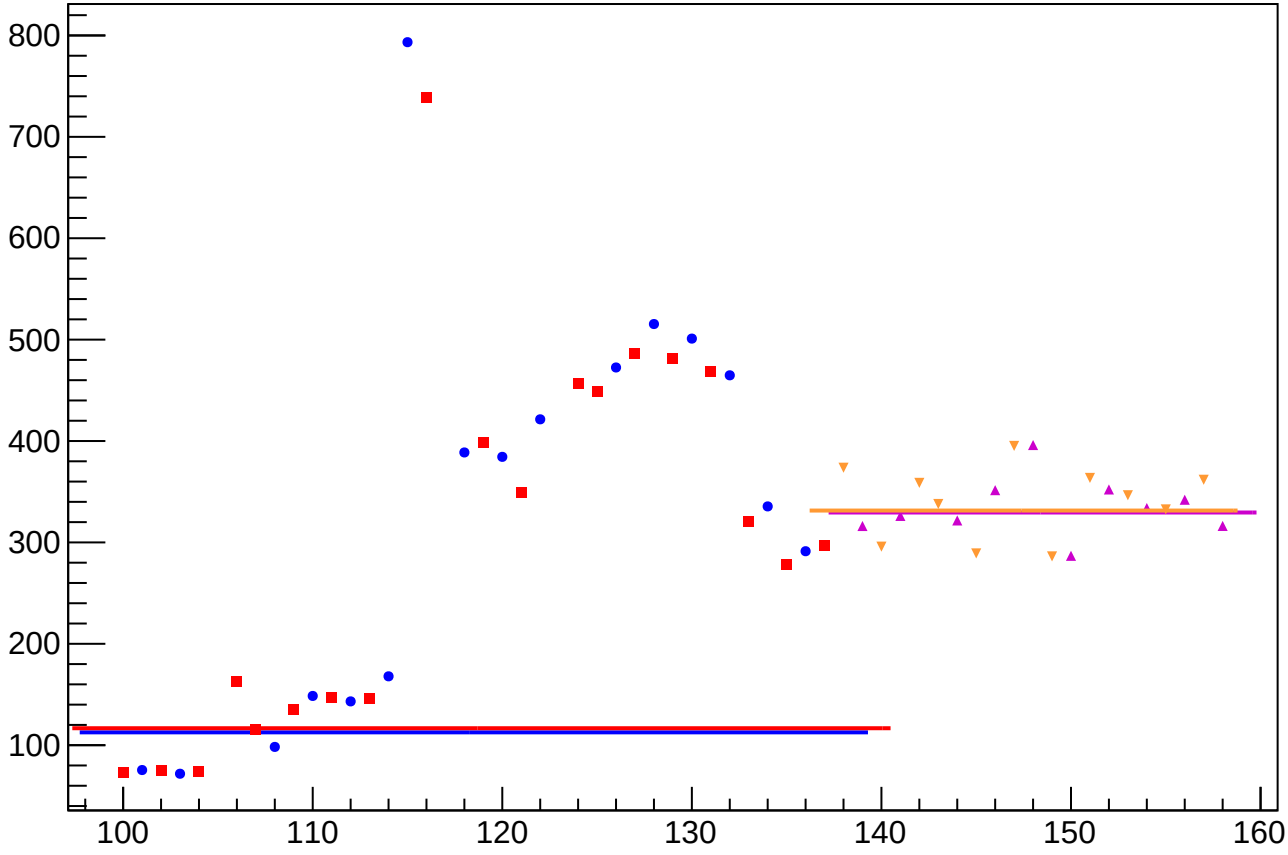
Left In: -153.021+/-112.474 χ^2/NDF:13.4/9

+ sign -41.228+/-48.461 χ^2/NDF: 28.8/26

All: -16.749+/-34.138 χ^2/NDF: 66.7/55

- sign 7.365+/-48.099 χ^2/NDF: 37.3/28

asym_sam_15_avg_eigen_dit_correction_rms vs Slug



Right In: 112.668+/-0.038 χ^2/NDF: 5599653.6/15

Left Out: 331.425+/-0.080 χ^2/NDF:196001.3/10

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

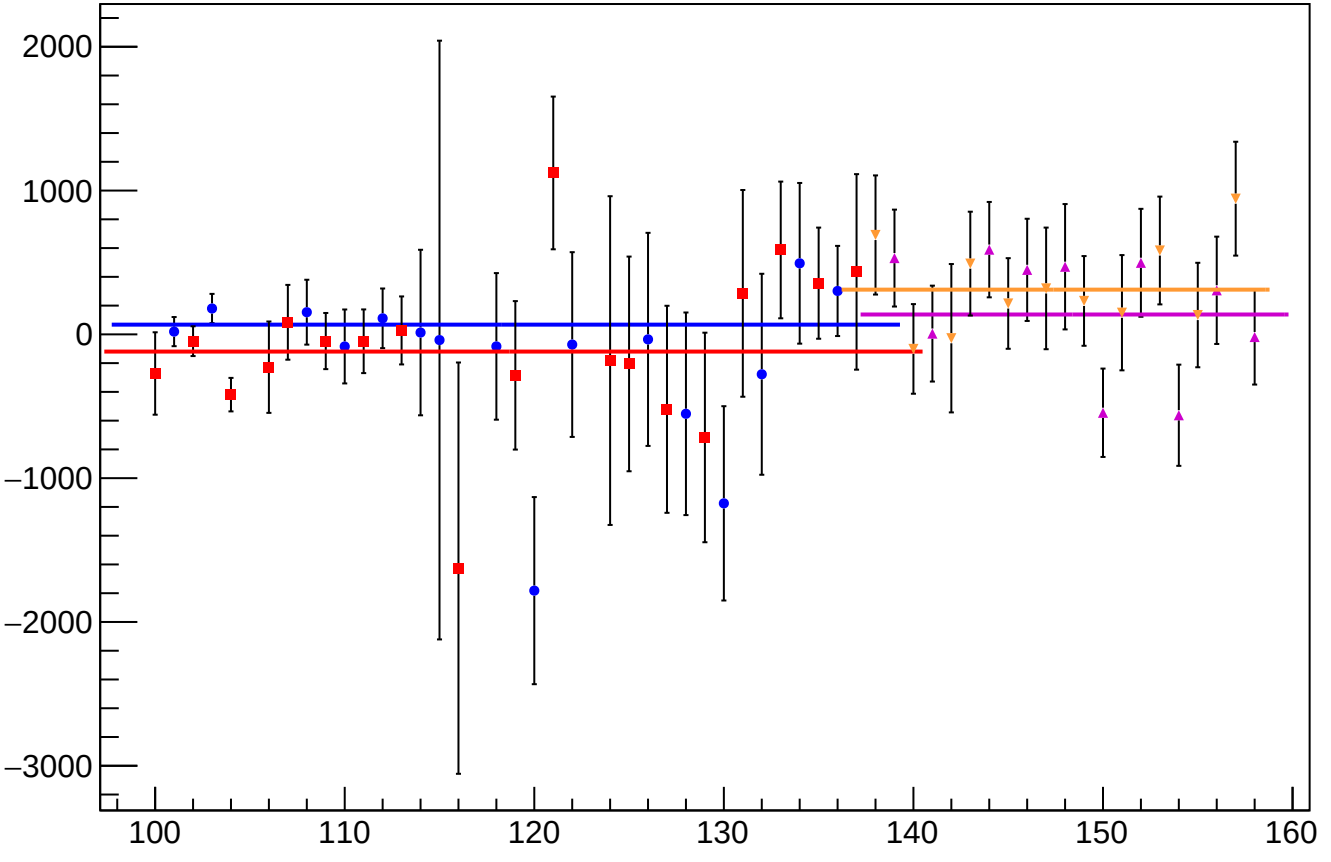
Left In: 329.497+/-0.080 χ^2/NDF:109966.5/9

+ sign 152.506+/-0.034 χ^2/NDF: 11865911.6/26

All: 154.087+/-0.024 χ^2/NDF: 22969550.7/55

- sign 155.643+/-0.034 χ^2/NDF: 11099417.8/28

asym_sam_15_avg_mean vs Slug



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 311.015+/-111.250 χ^2/NDF:6.9/10

Right Out: -119.635+/-57.941 χ^2/NDF: 21.1/18

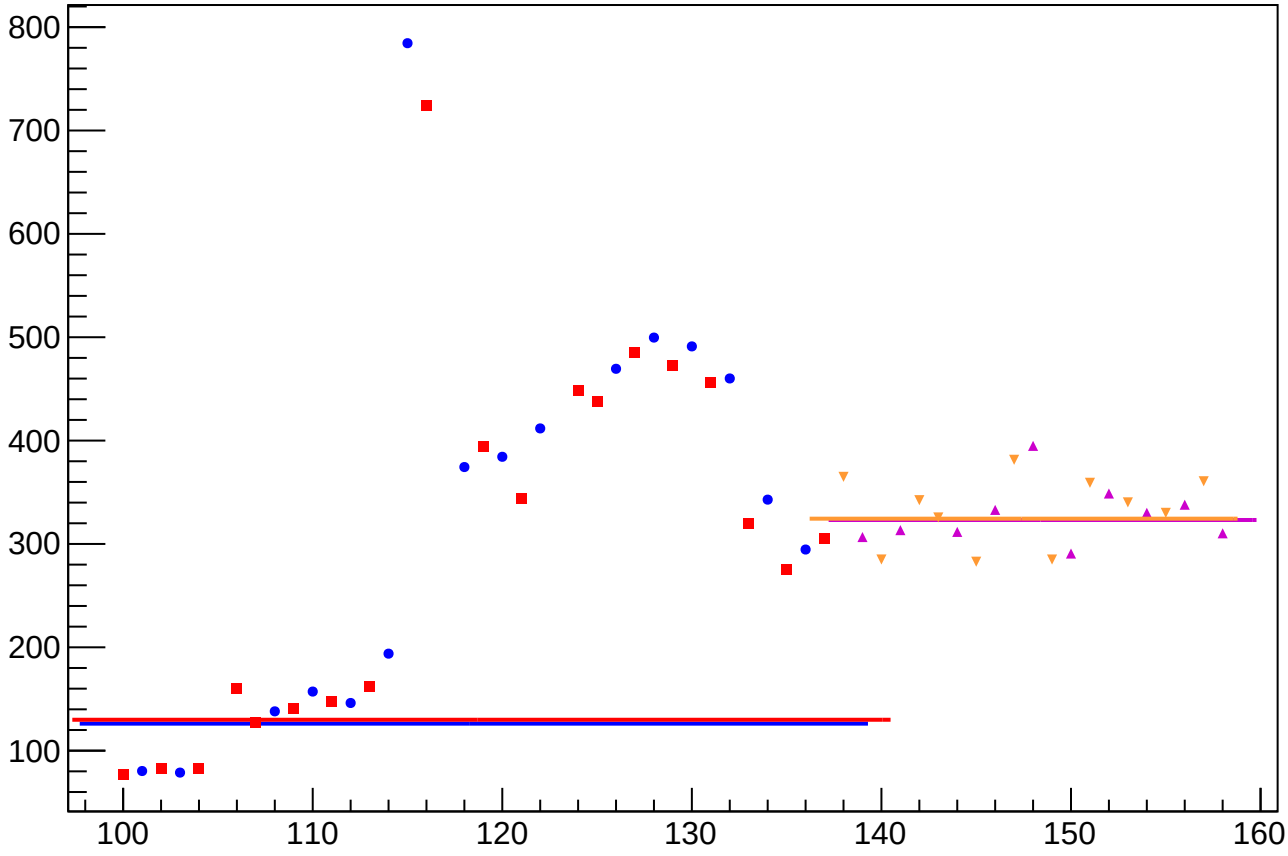
Left In: 138.164+/-110.314 χ^2/NDF:15.0/9

+ sign 121.289+/-52.240 χ^2/NDF: 26.4/26

All: 27.010+/-36.601 χ^2/NDF: 73.2/55

- sign -63.892+/-51.296 χ^2/NDF: 40.4/28

asym_sam_15_avg_rms vs Slug



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 324.457+/-0.079 χ^2/NDF:192656.6/10

Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

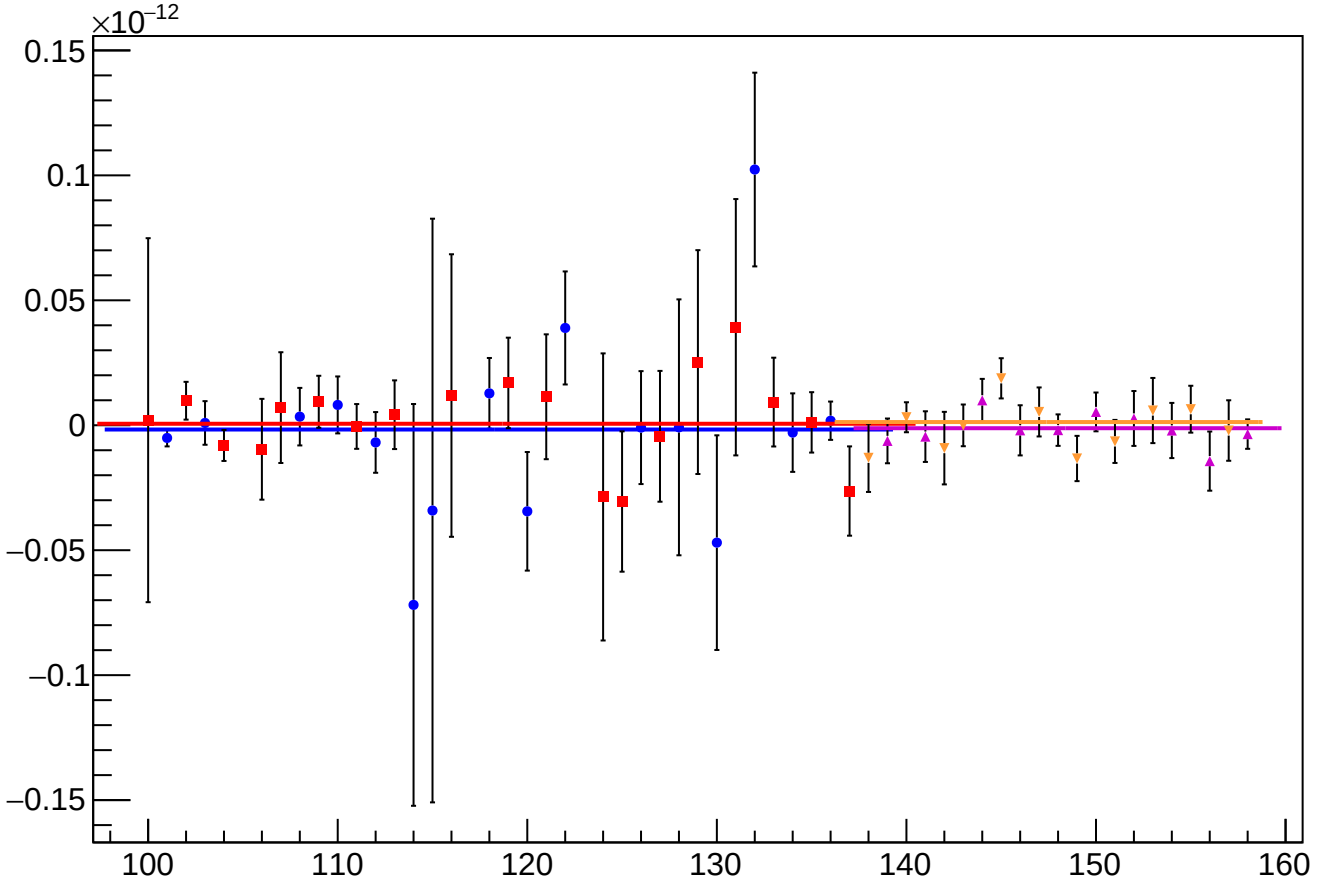
Left In: 323.180+/-0.078 χ^2/NDF:103196.4/9

+ sign 169.880+/-0.037 χ^2/NDF: 10366247.0/26

All: 170.808+/-0.026 χ^2/NDF: 19929748.7/55

- sign 171.703+/-0.036 χ^2/NDF: 9562260.5/28

asym_sam_15_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/10

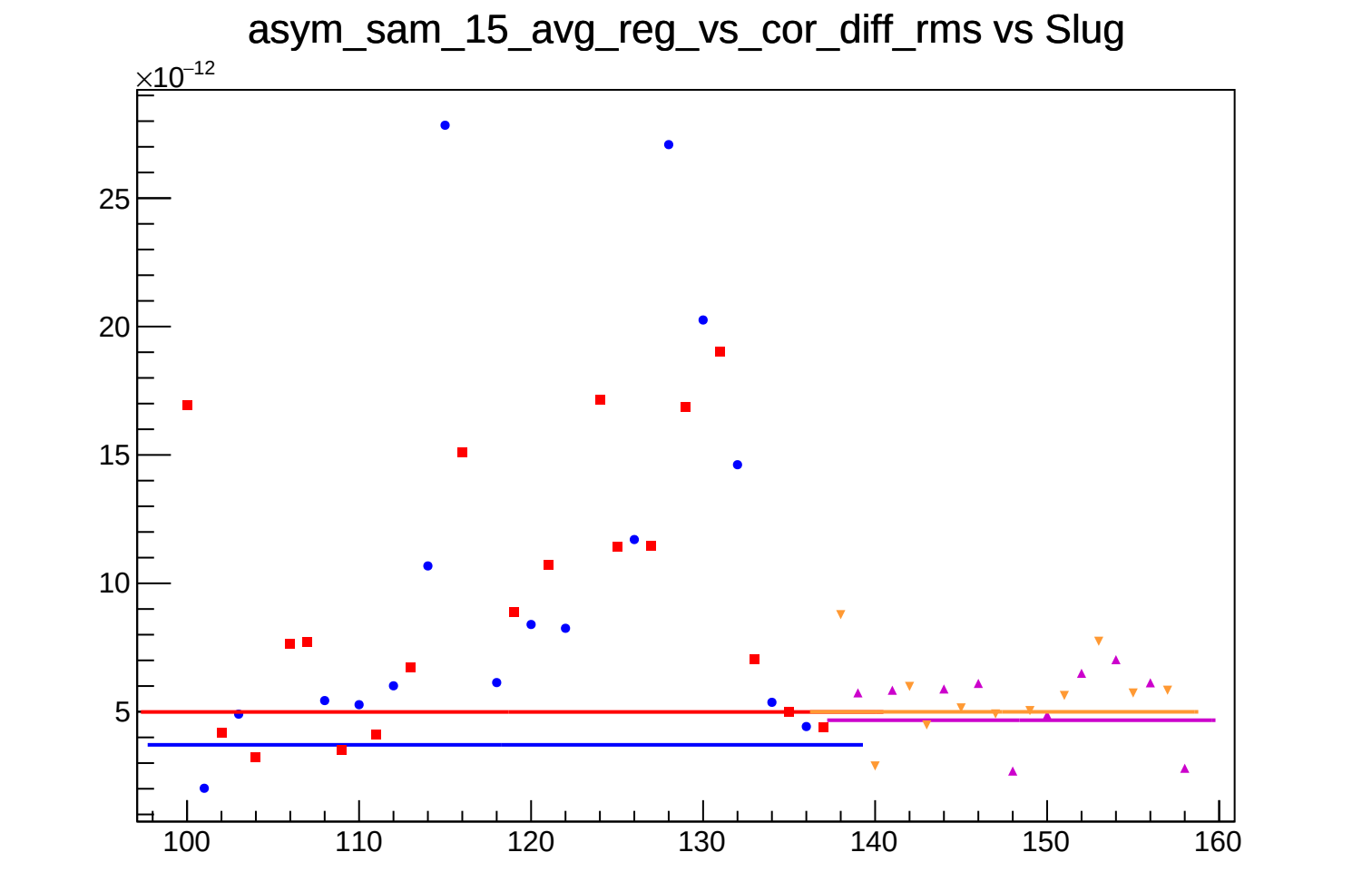
Right Out: 0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: -0.000+/-0.000 χ^2/NDF:4.4/9

+ sign -0.000+/-0.000 χ^2/NDF: 28.9/26

All: -0.000+/-0.000 χ^2/NDF: 44.0/55

- sign -0.000+/-0.000 χ^2/NDF: 15.1/28



Right In: 0.000+/-0.000 χ^2/NDF: 2172466.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:539784.2/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1295374.6/18

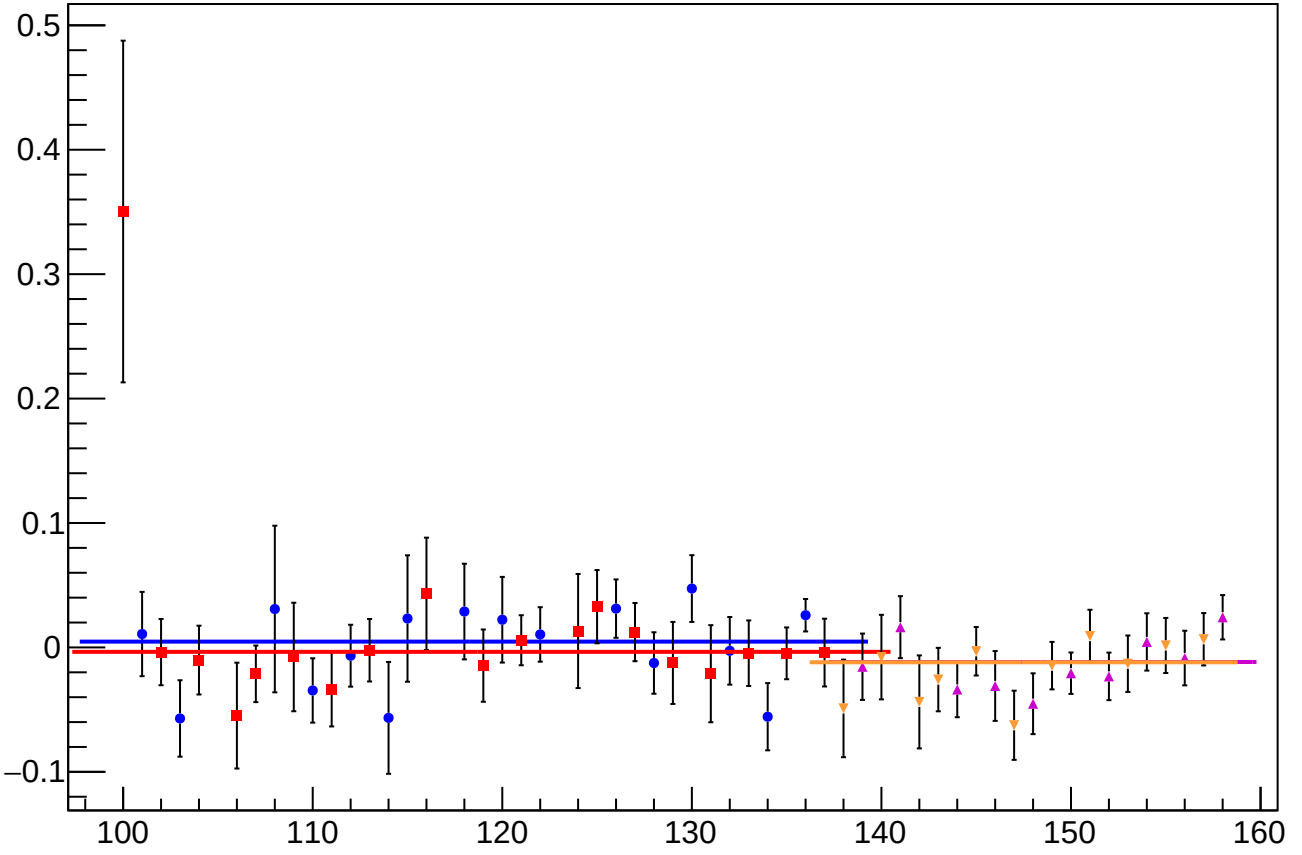
Left In: 0.000+/-0.000 χ^2/NDF:713465.3/9

+ sign 0.000+/-0.000 χ^2/NDF: 2944626.5/26

All: 0.000+/-0.000 χ^2/NDF: 5033129.9/55

- sign 0.000+/-0.000 χ^2/NDF: 2020723.5/28

asym_sam_15_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.012+/-0.007 χ^2/NDF:7.6/10

Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

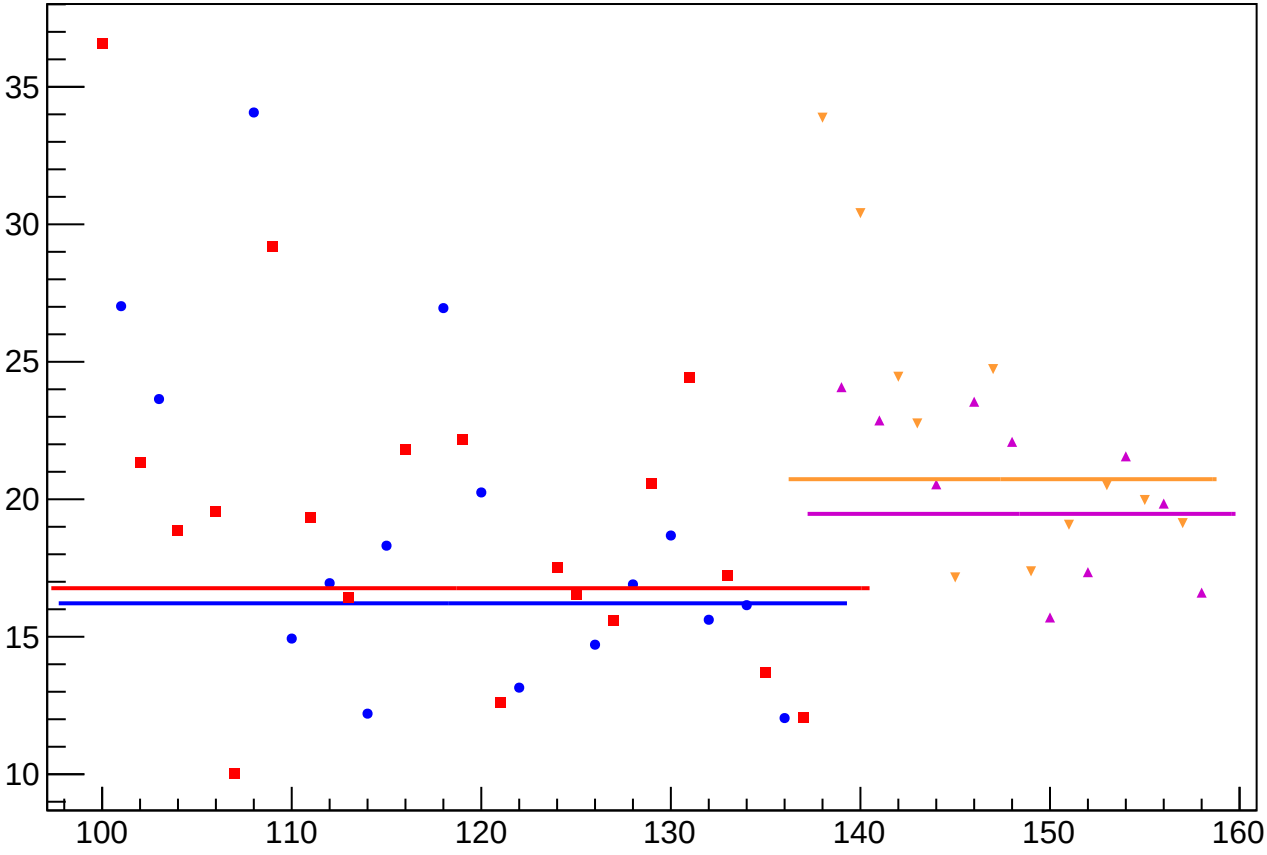
Left In: -0.012+/-0.007 χ^2/NDF:9.9/9

+ sign -0.003+/-0.005 χ^2/NDF: 31.9/26

All: -0.005+/-0.003 χ^2/NDF: 56.6/55

- sign -0.007+/-0.005 χ^2/NDF: 24.2/28

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 20.731+/-0.005 χ^2/NDF:616372.4/10

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

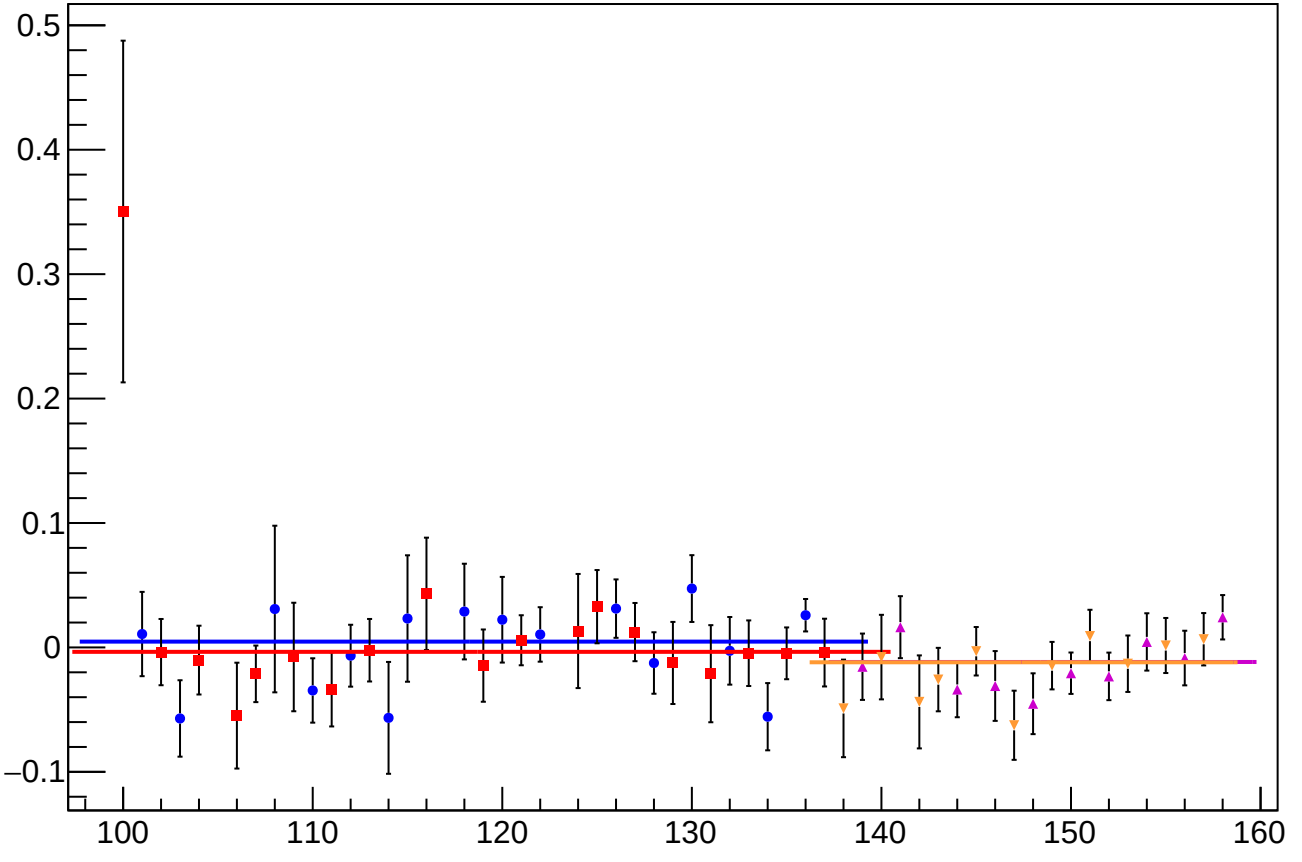
Left In: 19.470+/-0.005 χ^2/NDF:362806.8/9

+ sign 18.245+/-0.003 χ^2/NDF: 1985058.6/26

All: 18.159+/-0.002 χ^2/NDF: 3377205.0/55

- sign 18.077+/-0.003 χ^2/NDF: 1390934.1/28

asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.012+/-0.007 χ^2/NDF:7.6/10

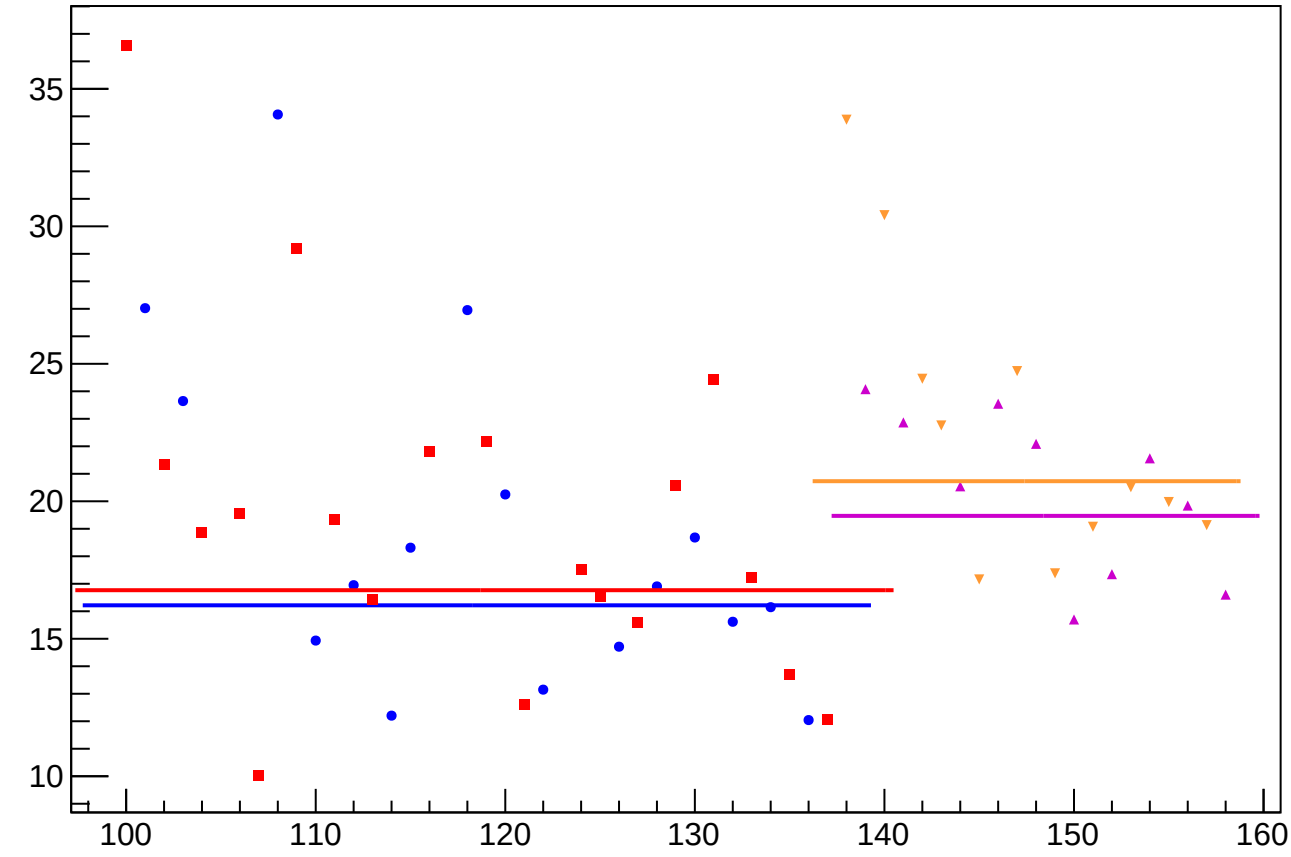
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.012+/-0.007 χ^2/NDF:9.9/9

+ sign -0.003+/-0.005 χ^2/NDF: 31.9/26

All: -0.005+/-0.003 χ^2/NDF: 56.6/55

- sign -0.007+/-0.005 χ^2/NDF: 24.2/28



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 20.731+/-0.005 χ^2/NDF:616372.4/10

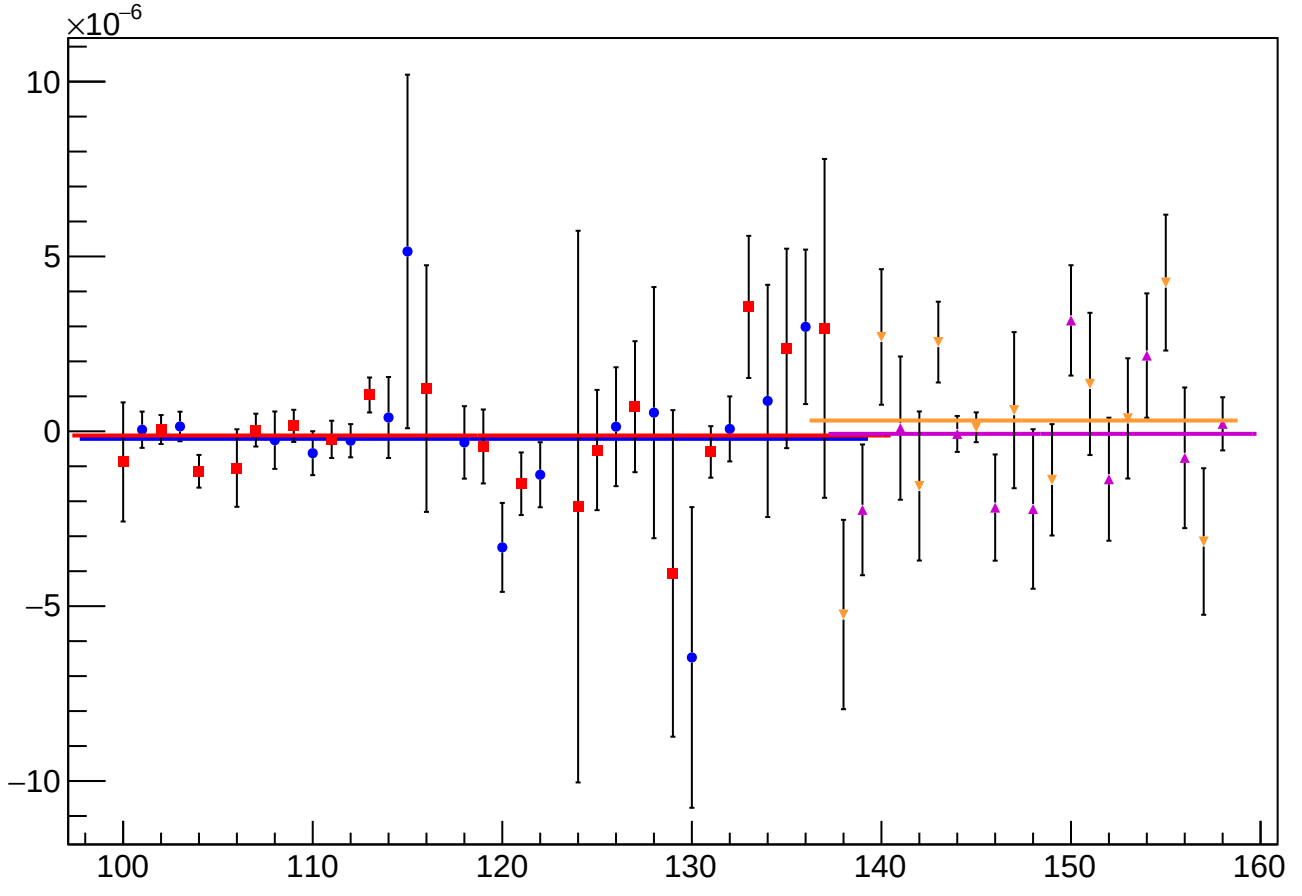
Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 19.470+/-0.005 χ^2/NDF:362806.8/9

\+ sign 18.245+/-0.003 χ^2/NDF: 1985058.6/26

All: 18.159+/-0.002 χ^2/NDF: 3377205.0/55

\- sign 18.077+/-0.003 χ^2/NDF: 1390934.1/28



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.7/10

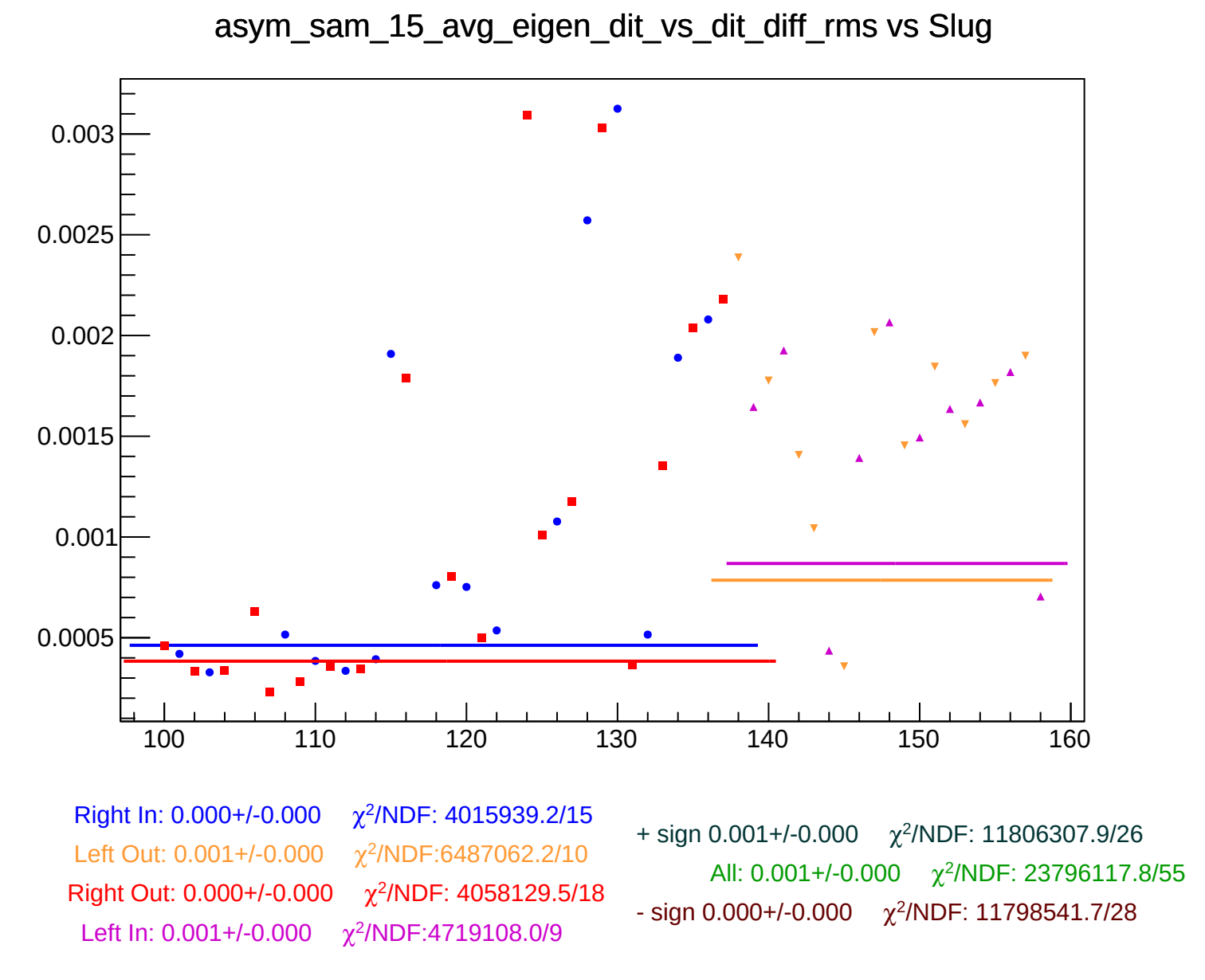
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: -0.000+/-0.000 χ^2/NDF:10.8/9

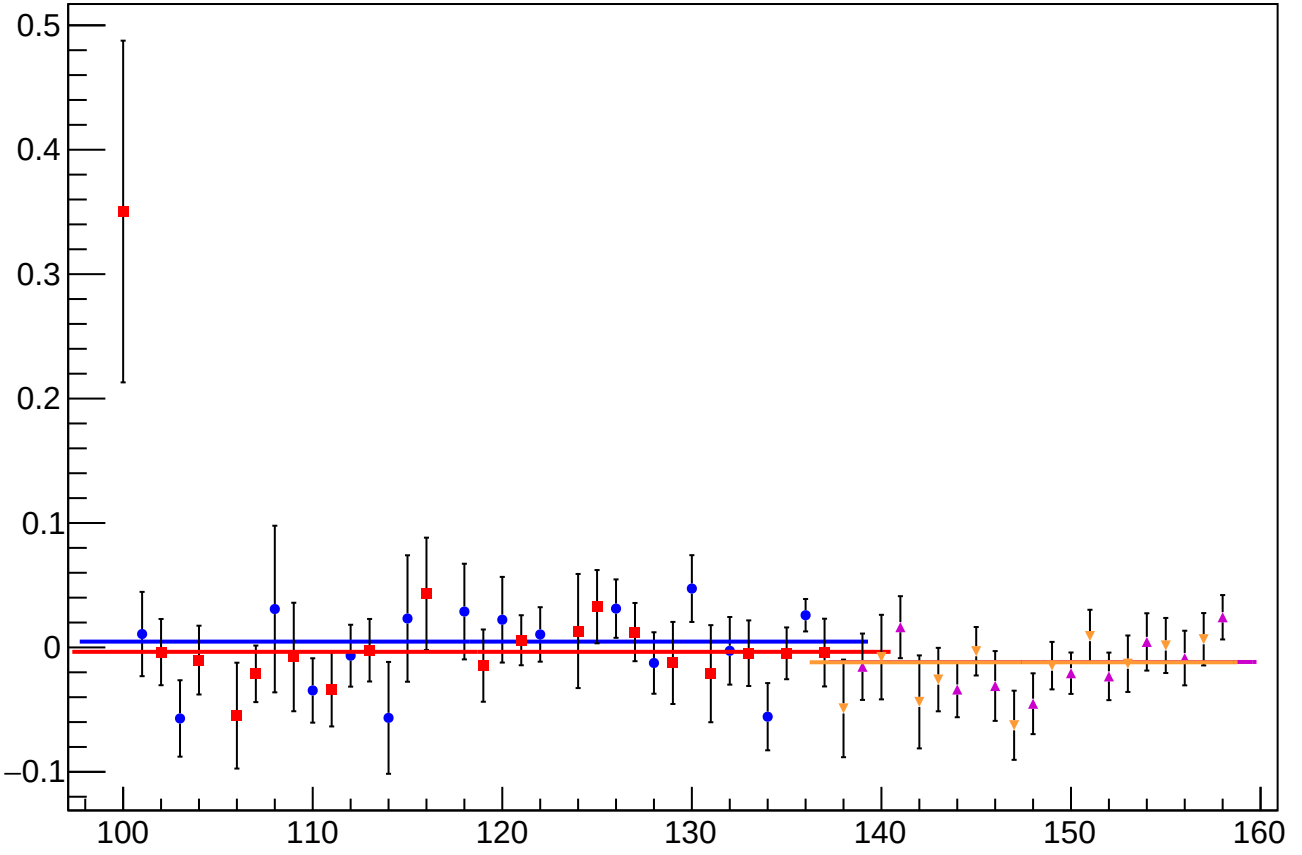
+ sign -0.000+/-0.000 χ^2/NDF: 34.9/26

All: -0.000+/-0.000 χ^2/NDF: 66.0/55

- sign -0.000+/-0.000 χ^2/NDF: 31.0/28


asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 4015939.2/15
Left Out: 0.001+/-0.000 χ²/NDF:6487062.2/10
Right Out: 0.000+/-0.000 χ²/NDF: 4058129.5/18
Left In: 0.001+/-0.000 χ²/NDF:4719108.0/9
+ sign 0.001+/-0.000 χ²/NDF: 11806307.9/26
All: 0.001+/-0.000 χ²/NDF: 23796117.8/55
- sign 0.000+/-0.000 χ²/NDF: 11798541.7/28

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.012+/-0.007 χ^2/NDF:7.6/10

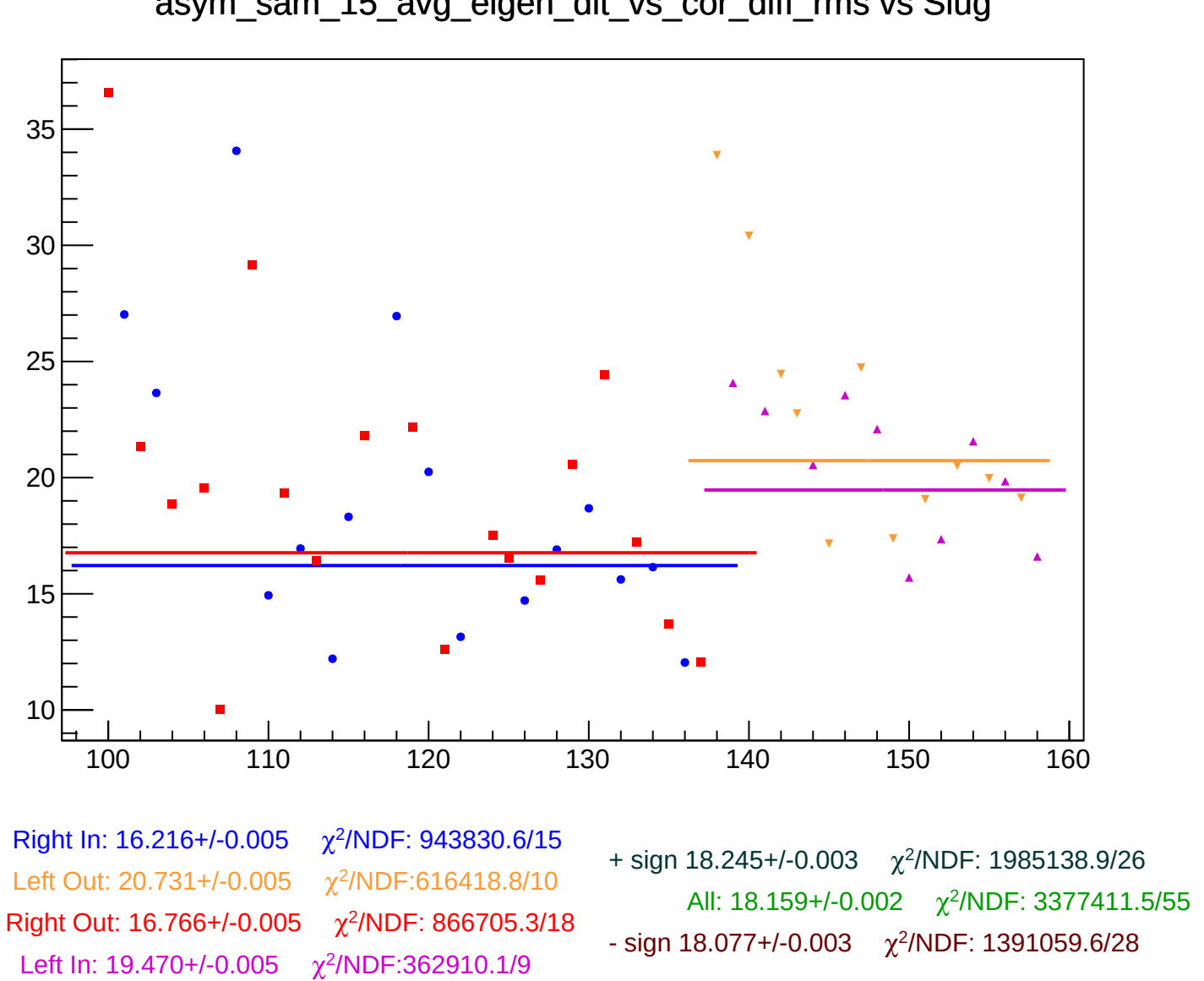
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

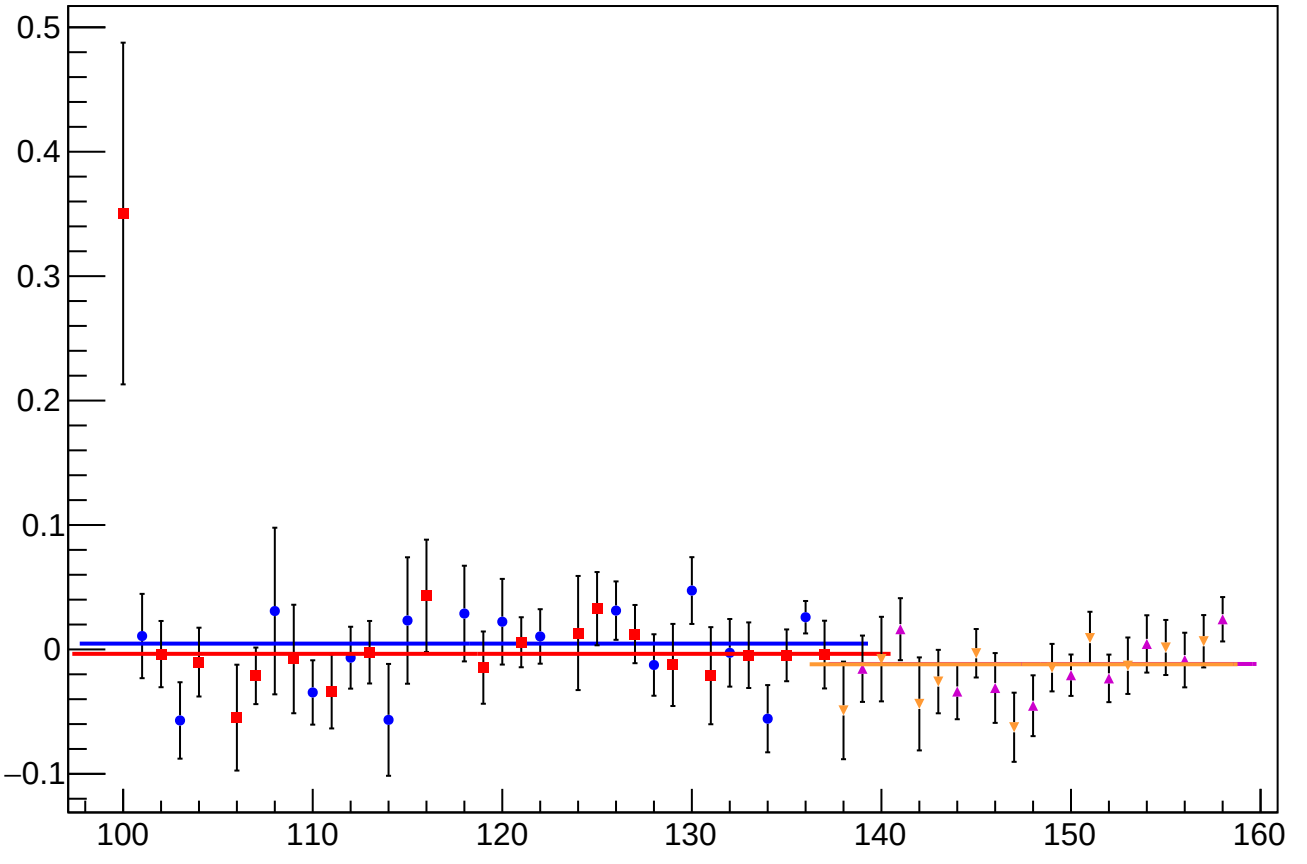
Left In: -0.012+/-0.007 χ^2/NDF:9.9/9

+ sign -0.003+/-0.005 χ^2/NDF: 31.9/26

All: -0.005+/-0.003 χ^2/NDF: 56.6/55

- sign -0.007+/-0.005 χ^2/NDF: 24.2/28


asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug
35
30
25
20
15
10
100
110
120
130
140
150
160
Right In: 16.216+/-0.005 χ²/NDF: 943830.6/15
Left Out: 20.731+/-0.005 χ²/NDF:616418.8/10
Right Out: 16.766+/-0.005 χ²/NDF: 866705.3/18
Left In: 19.470+/-0.005 χ²/NDF:362910.1/9
+ sign 18.245+/-0.003 χ²/NDF: 1985138.9/26
All: 18.159+/-0.002 χ²/NDF: 3377411.5/55
- sign 18.077+/-0.003 χ²/NDF: 1391059.6/28



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.012+/-0.007 χ^2/NDF:7.6/10

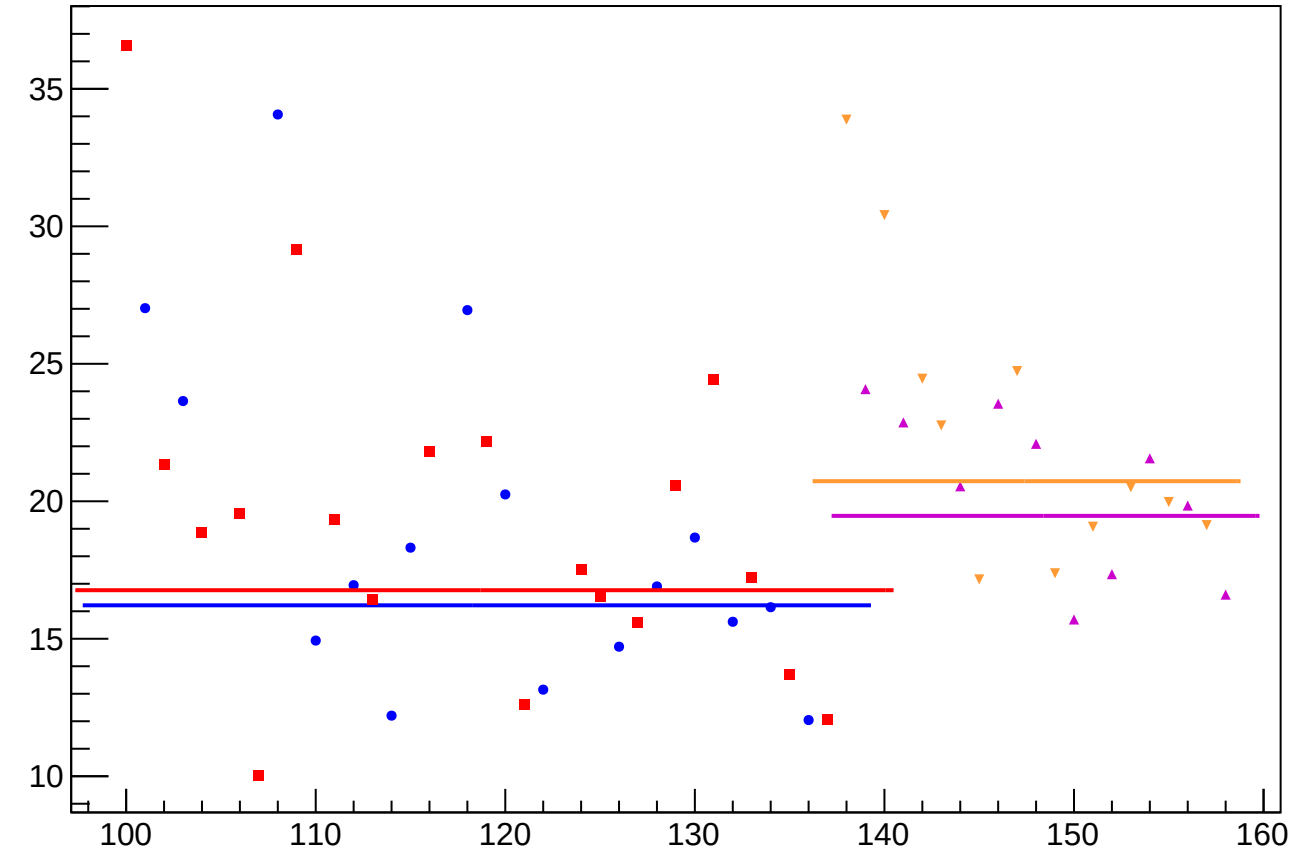
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.012+/-0.007 χ^2/NDF:9.9/9

+ sign -0.003+/-0.005 χ^2/NDF: 31.9/26

All: -0.005+/-0.003 χ^2/NDF: 56.6/55

- sign -0.007+/-0.005 χ^2/NDF: 24.2/28



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 20.731+/-0.005 χ^2/NDF:616418.8/10

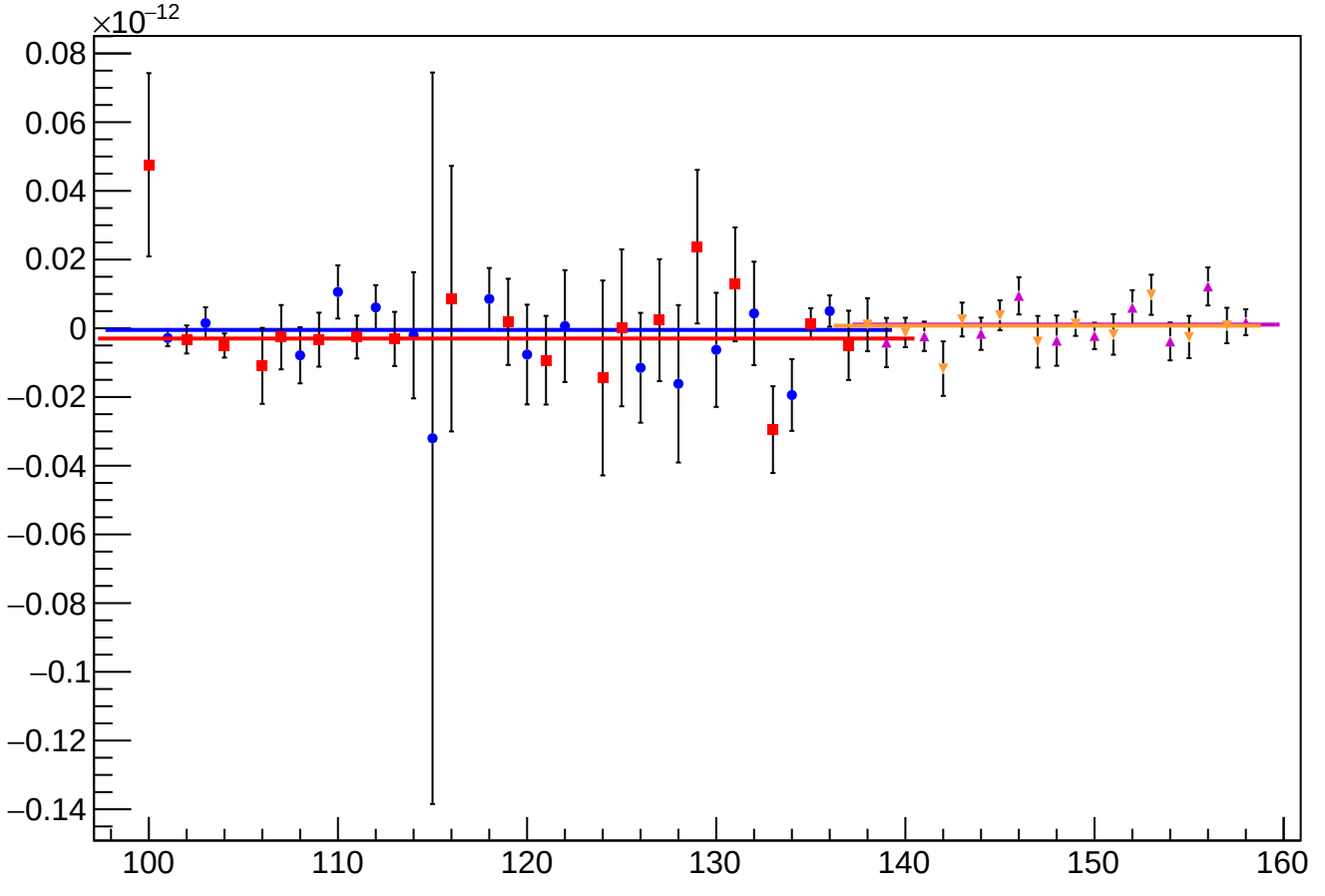
Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.470+/-0.005 χ^2/NDF:362910.1/9

\+ sign 18.245+/-0.003 χ^2/NDF: 1985138.9/26

All: 18.159+/-0.002 χ^2/NDF: 3377411.5/55

\- sign 18.077+/-0.003 χ^2/NDF: 1391059.6/28



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.6/10

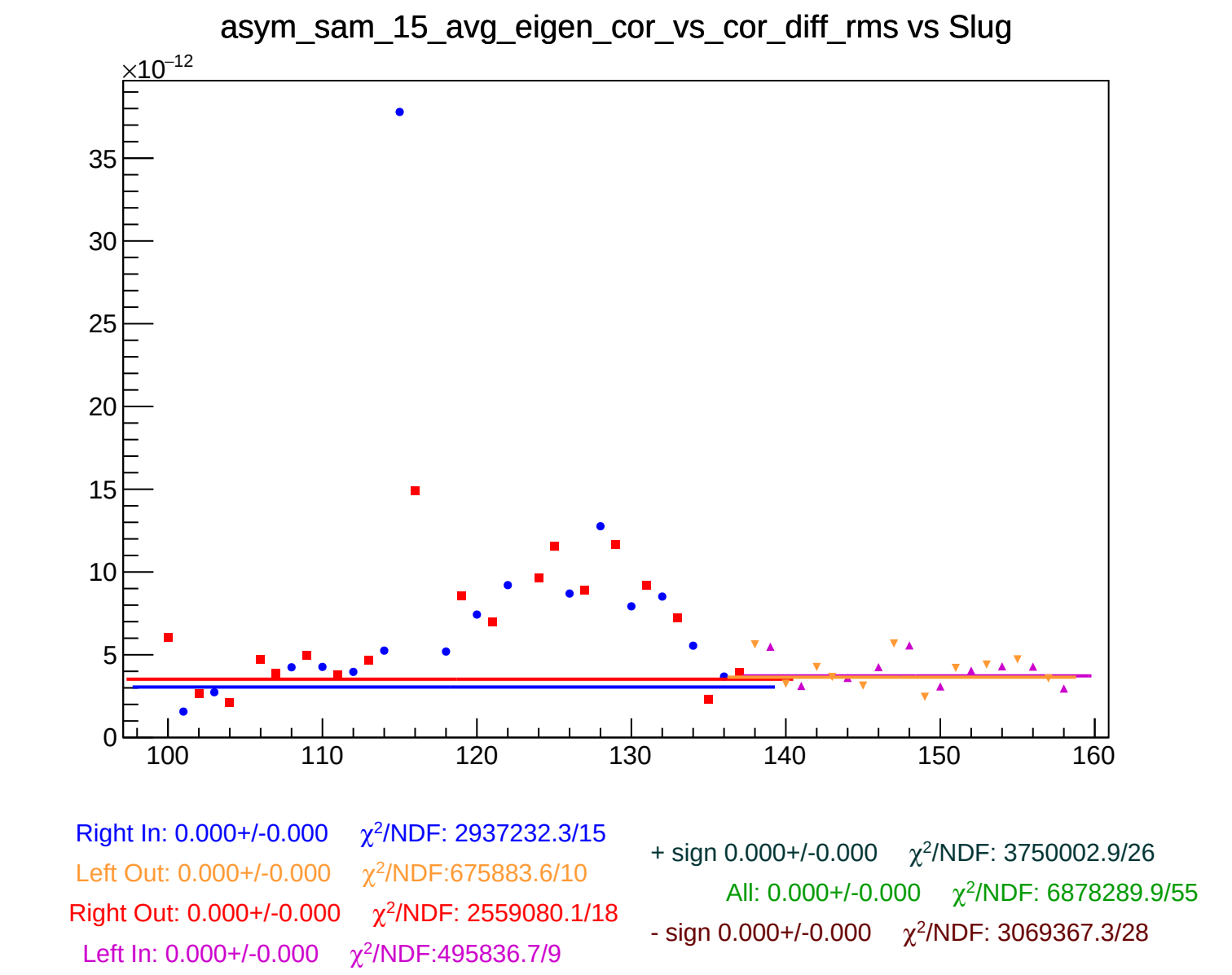
Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:10.8/9

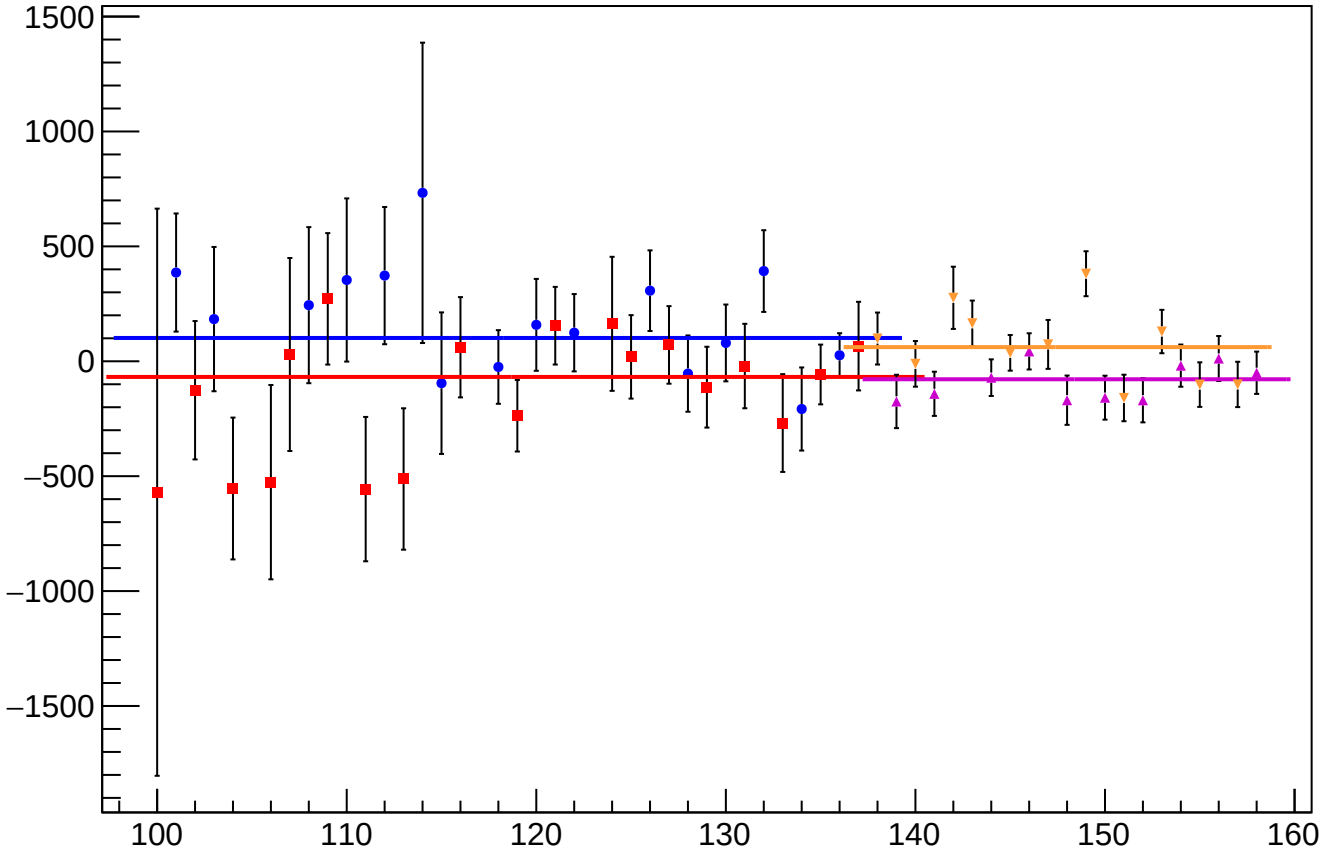
+ sign 0.000+/-0.000 χ^2/NDF: 19.2/26

All: -0.000+/-0.000 χ^2/NDF: 46.2/55

- sign -0.000+/-0.000 χ^2/NDF: 26.8/28


asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
35
30
25
20
15
10
5
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2937232.3/15
Left Out: 0.000+/-0.000 χ²/NDF:675883.6/10
Right Out: 0.000+/-0.000 χ²/NDF: 2559080.1/18
Left In: 0.000+/-0.000 χ²/NDF:495836.7/9
+ sign 0.000+/-0.000 χ²/NDF: 3750002.9/26
All: 0.000+/-0.000 χ²/NDF: 6878289.9/55
- sign 0.000+/-0.000 χ²/NDF: 3069367.3/28

reg_asym_sam_26_avg_mean vs Slug



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: 61.646+/-29.957 χ^2/NDF:25.9/10

Right Out: -68.108+/-49.327 χ^2/NDF: 16.1/18

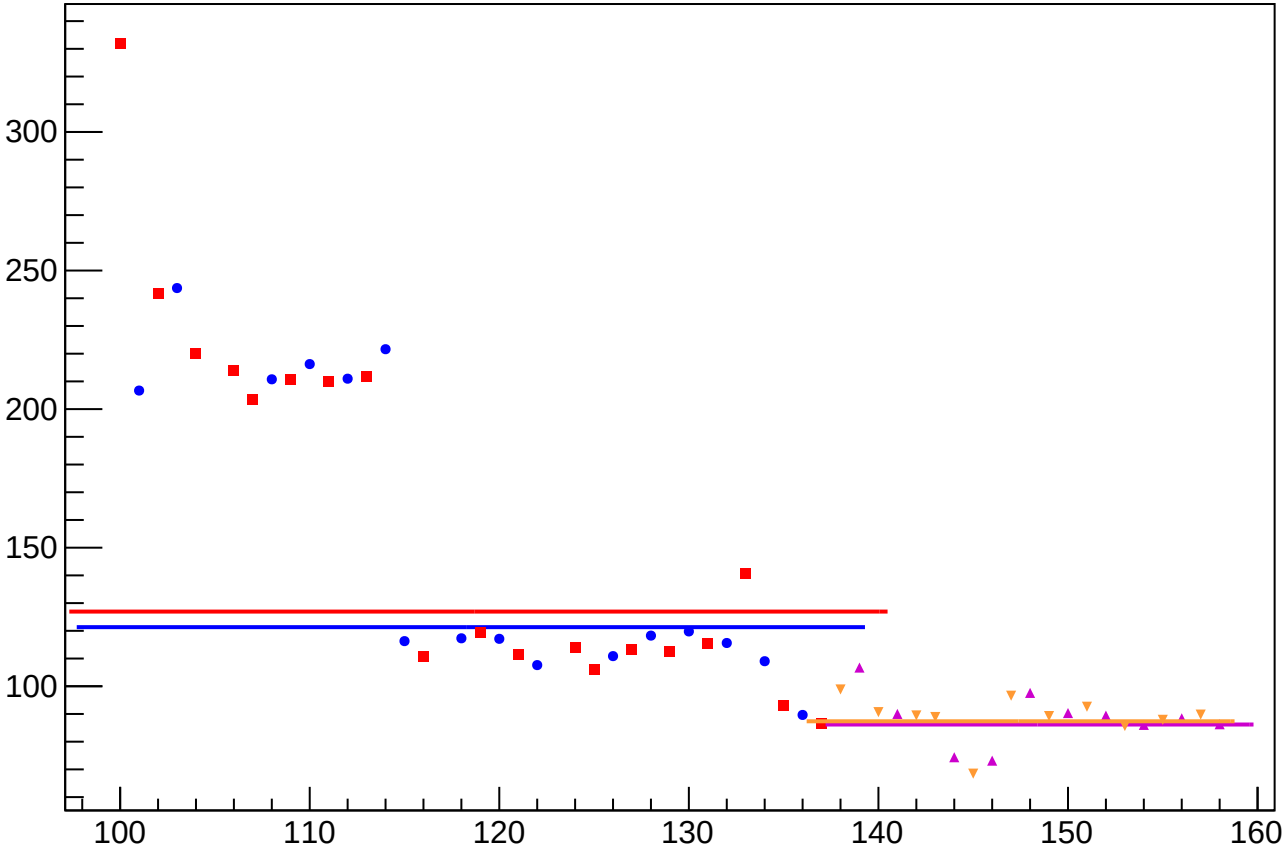
Left In: -78.321+/-29.538 χ^2/NDF:7.2/9

+ sign 72.931+/-25.358 χ^2/NDF: 39.7/26

All: -1.396+/-17.925 χ^2/NDF: 80.2/55

- sign -75.625+/-25.342 χ^2/NDF: 23.4/28

reg_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 87.358+/-0.021 χ^2/NDF:165651.2/10

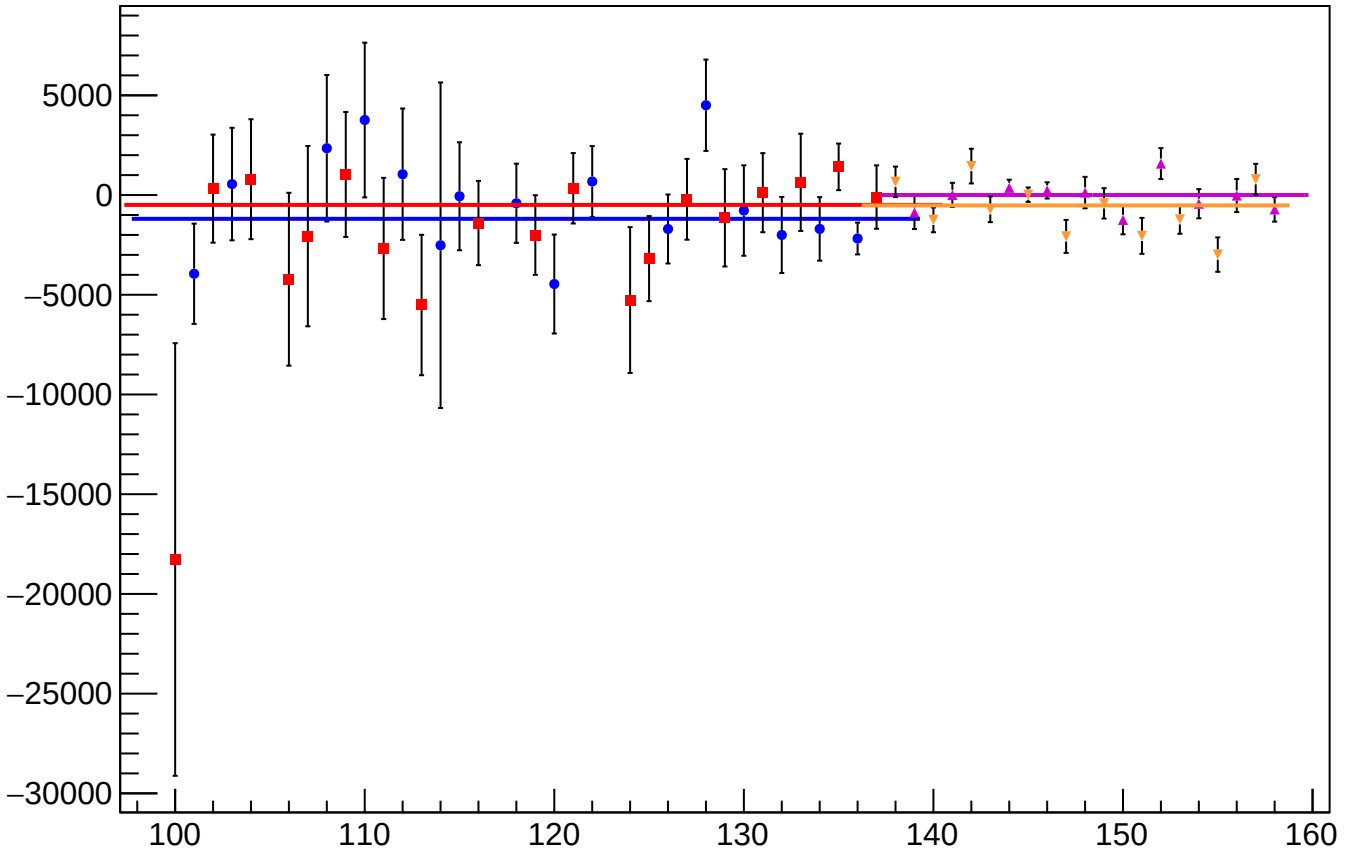
Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 86.193+/-0.021 χ^2/NDF:194032.2/9

+ sign 96.986+/-0.018 χ^2/NDF: 2181139.2/26

All: 96.967+/-0.013 χ^2/NDF: 4851547.8/55

- sign 96.948+/-0.018 χ^2/NDF: 2670406.4/28



Right In: -1192.168+/-478.908 χ^2/NDF: 15.9/15

Left Out: -521.182+/-200.080 χ^2/NDF:29.5/10

Right Out: -494.627+/-521.756 χ^2/NDF: 13.9/18

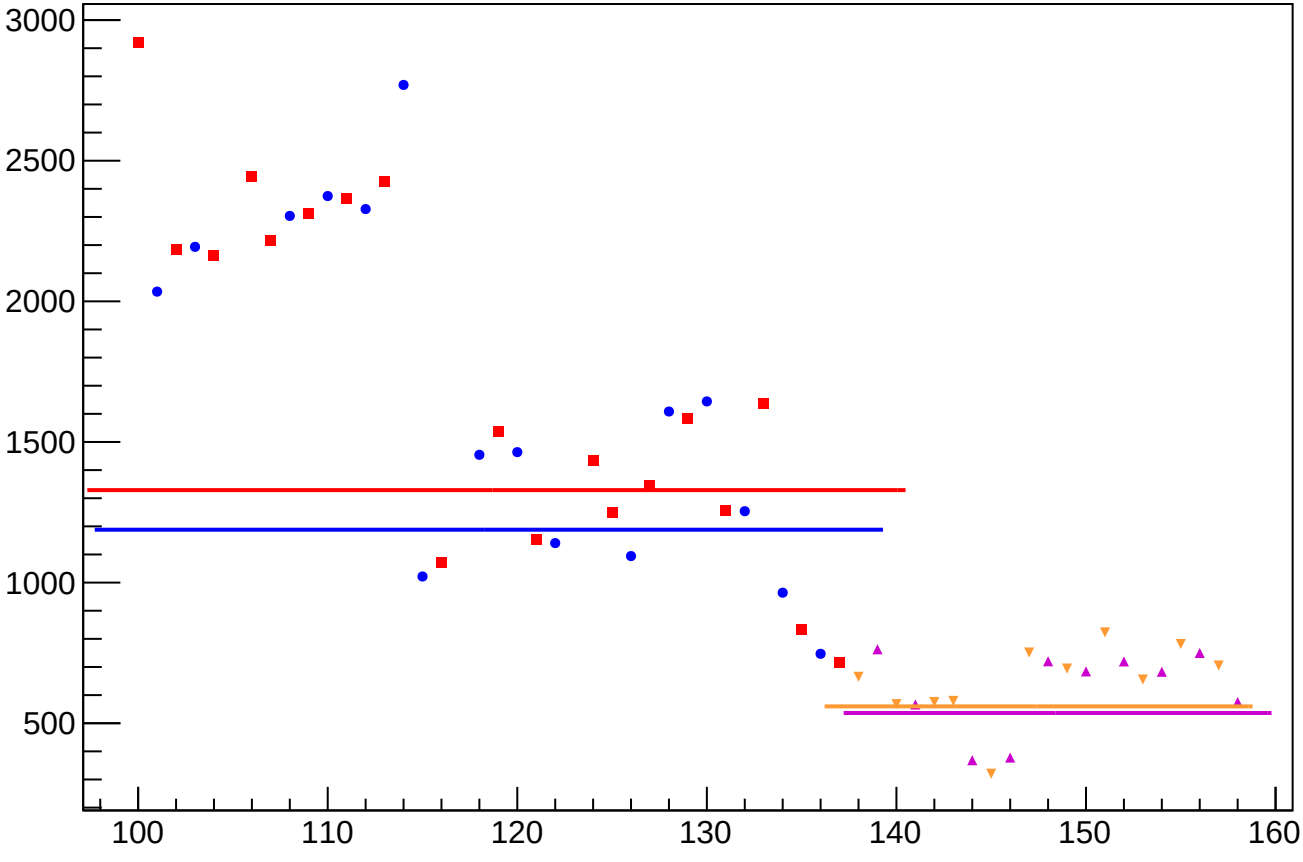
Left In: 2.310+/-190.764 χ^2/NDF:11.1/9

+ sign -620.894+/-184.616 χ^2/NDF: 47.1/26

All: -330.132+/-128.572 χ^2/NDF: 77.7/55

- sign -56.286+/-179.165 χ^2/NDF: 25.8/28

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044635.7/15

Left Out: 559.918+/-0.141 χ^2/NDF:1491449.4/10

Right Out: 1328.816+/-0.369 χ^2/NDF: 1957758.3/18

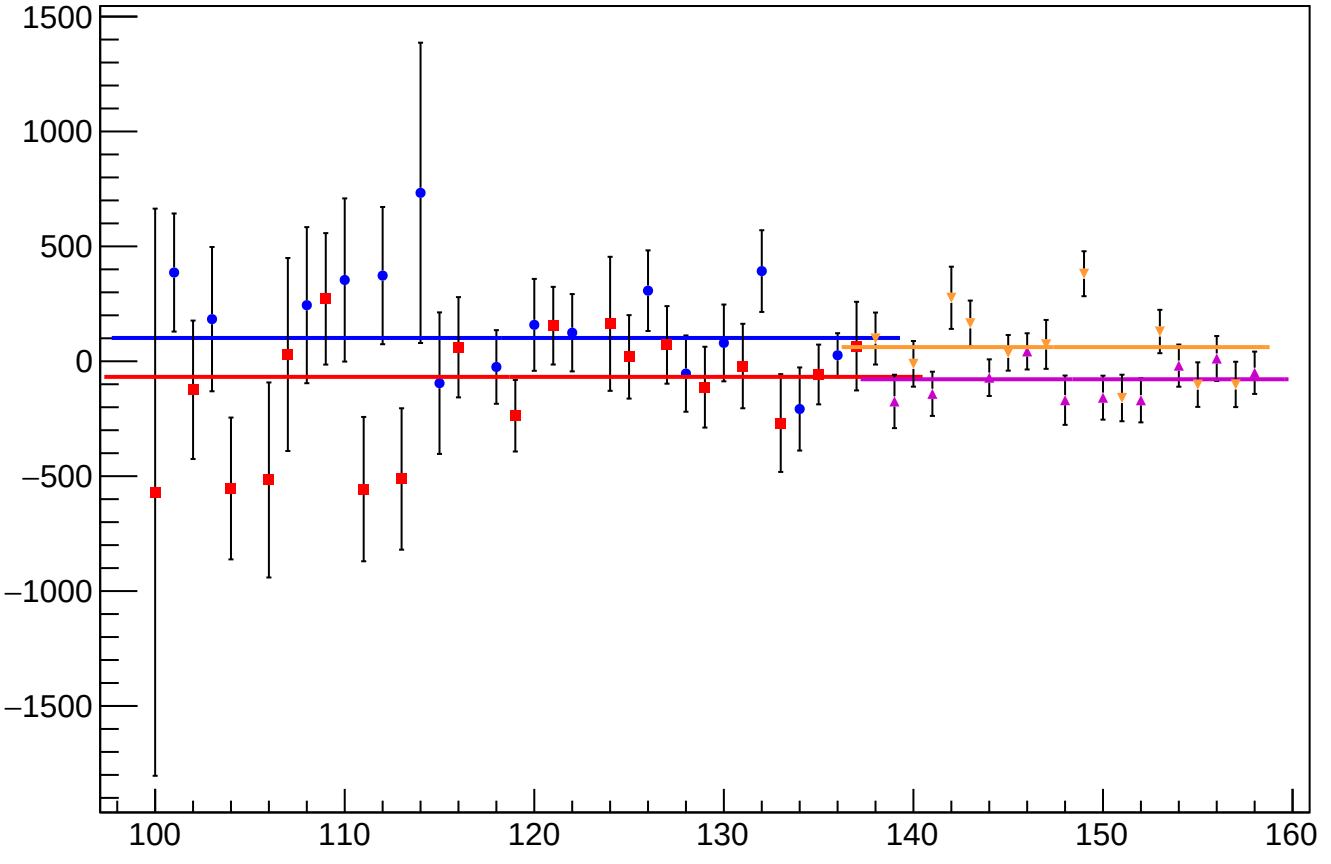
Left In: 536.407+/-0.135 χ^2/NDF:1326004.7/9

+ sign 653.264+/-0.131 χ^2/NDF: 6465533.5/26

All: 641.204+/-0.091 χ^2/NDF: 13835031.5/55

- sign 629.845+/-0.127 χ^2/NDF: 7352923.2/28

cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 61.652+/-29.957 χ^2/NDF:25.9/10

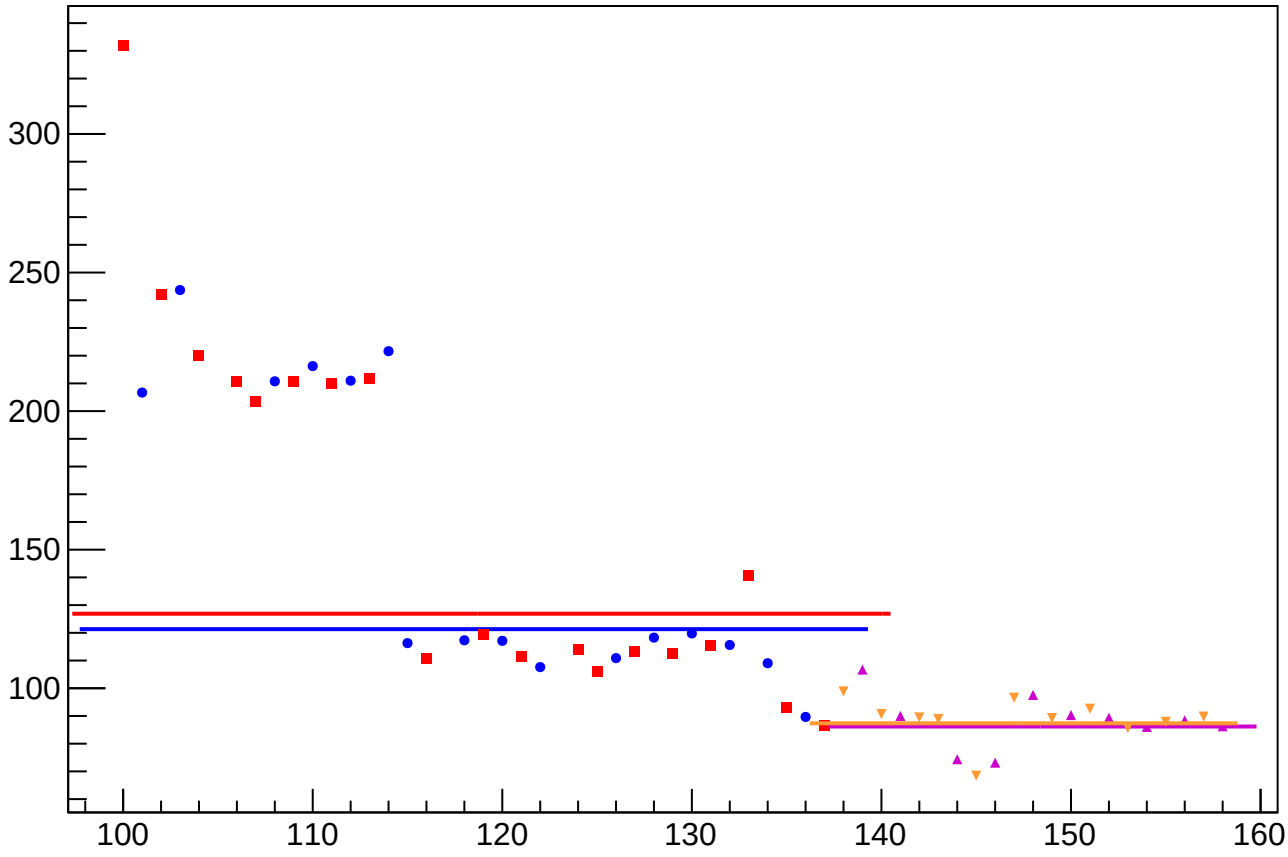
Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: -78.323+/-29.538 χ^2/NDF:7.2/9

+ sign 72.931+/-25.358 χ^2/NDF: 39.7/26

All: -1.366+/-17.925 χ^2/NDF: 80.2/55

- sign -75.568+/-25.342 χ^2/NDF: 23.3/28



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 87.358+/-0.021 χ^2/NDF:165651.2/10

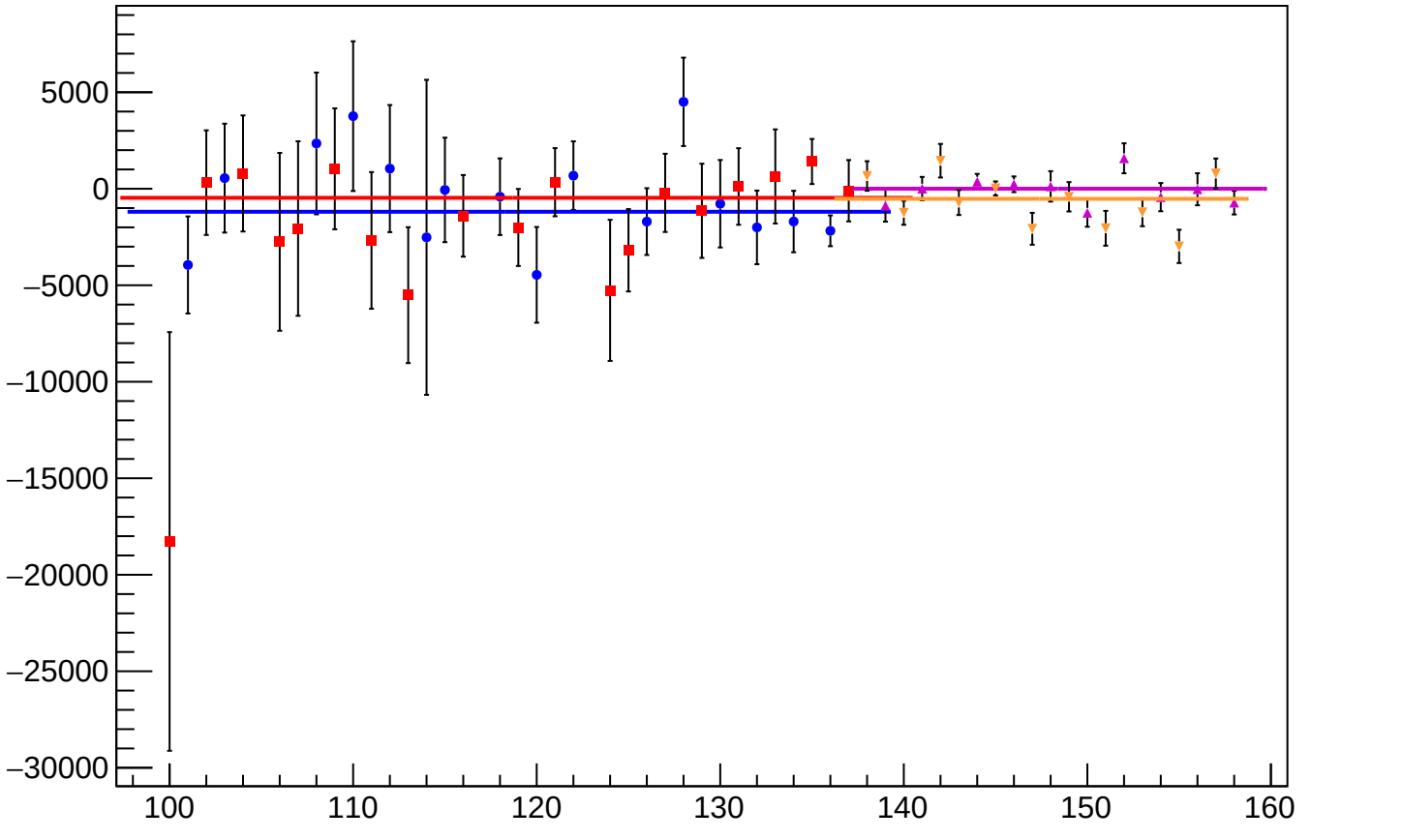
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 86.193+/-0.021 χ^2/NDF:194032.2/9

+ sign 96.986+/-0.018 χ^2/NDF: 2181141.5/26

All: 96.960+/-0.013 χ^2/NDF: 4842881.6/55

- sign 96.934+/-0.018 χ^2/NDF: 2661736.0/28



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -521.174+/-200.079 χ^2/NDF:29.5/10

Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

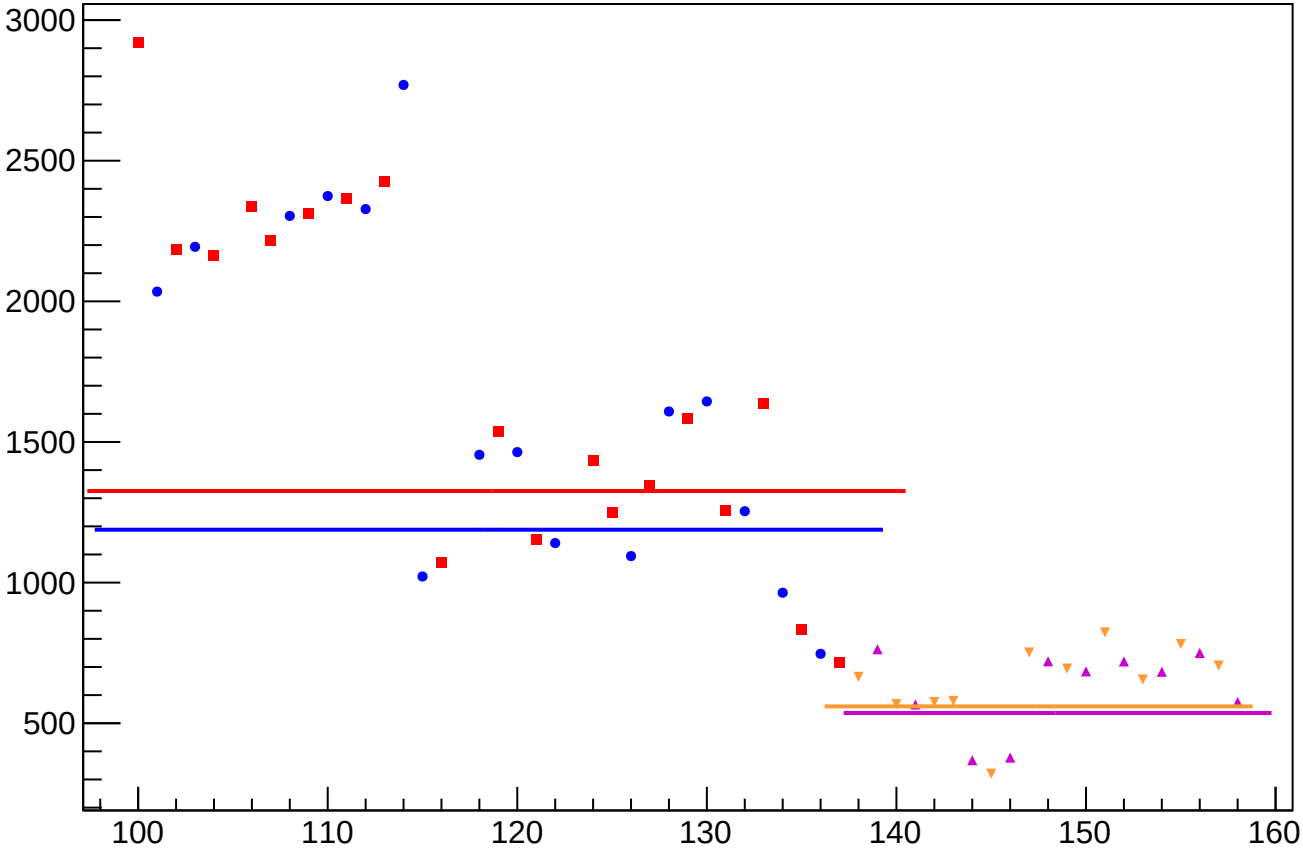
Left In: 2.307+/-190.764 χ^2/NDF:11.1/9

+ sign -620.883+/-184.616 χ^2/NDF: 47.1/26

All: -328.602+/-128.579 χ^2/NDF: 77.2/55

- sign -53.270+/-179.183 χ^2/NDF: 25.2/28

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 559.917+/-0.141 χ^2/NDF:1491458.5/10

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

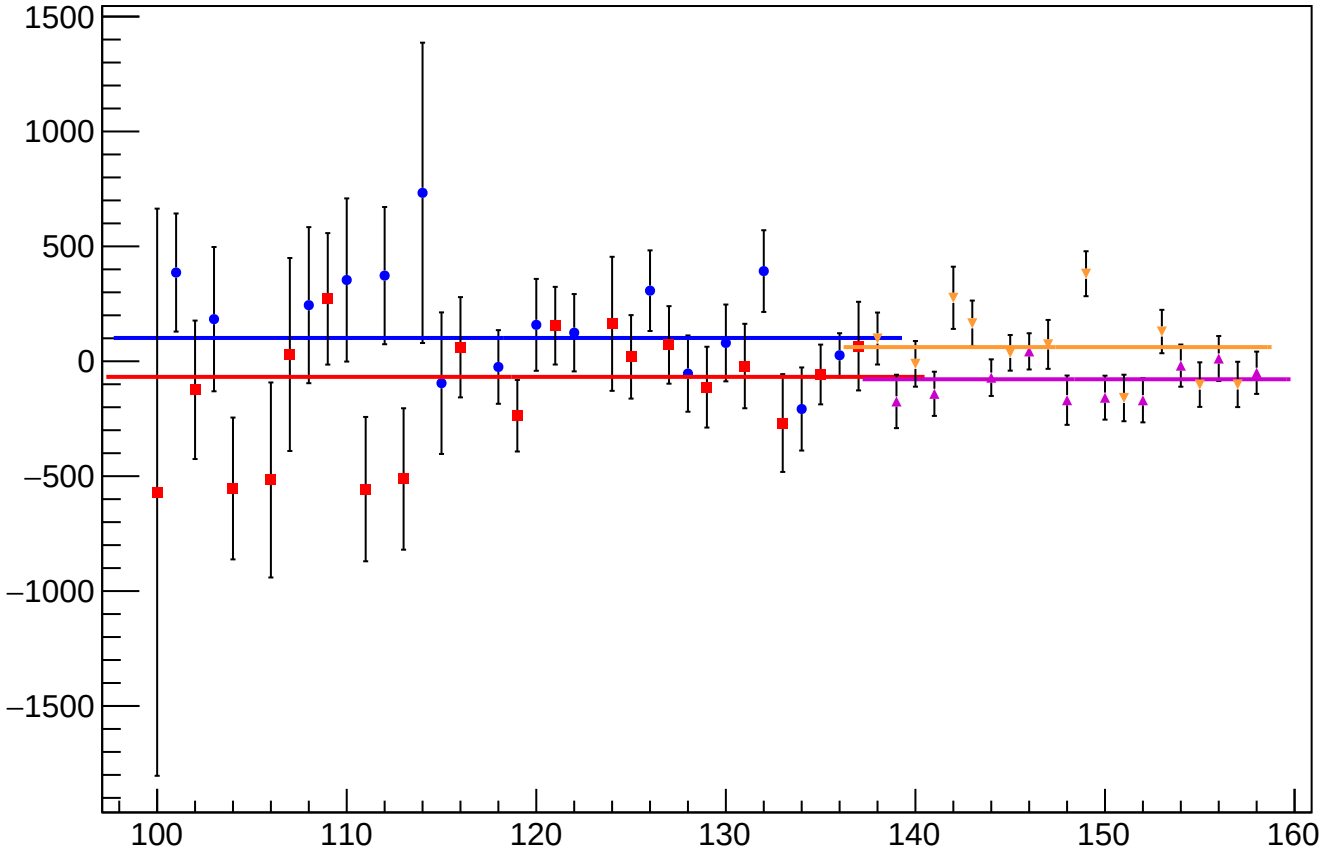
Left In: 536.407+/-0.135 χ^2/NDF:1326005.6/9

+ sign 653.263+/-0.131 χ^2/NDF: 6465571.2/26

All: 640.934+/-0.091 χ^2/NDF: 13759613.8/55

- sign 629.320+/-0.127 χ^2/NDF: 7276720.5/28

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 61.652+/-29.957 χ^2/NDF:25.9/10

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

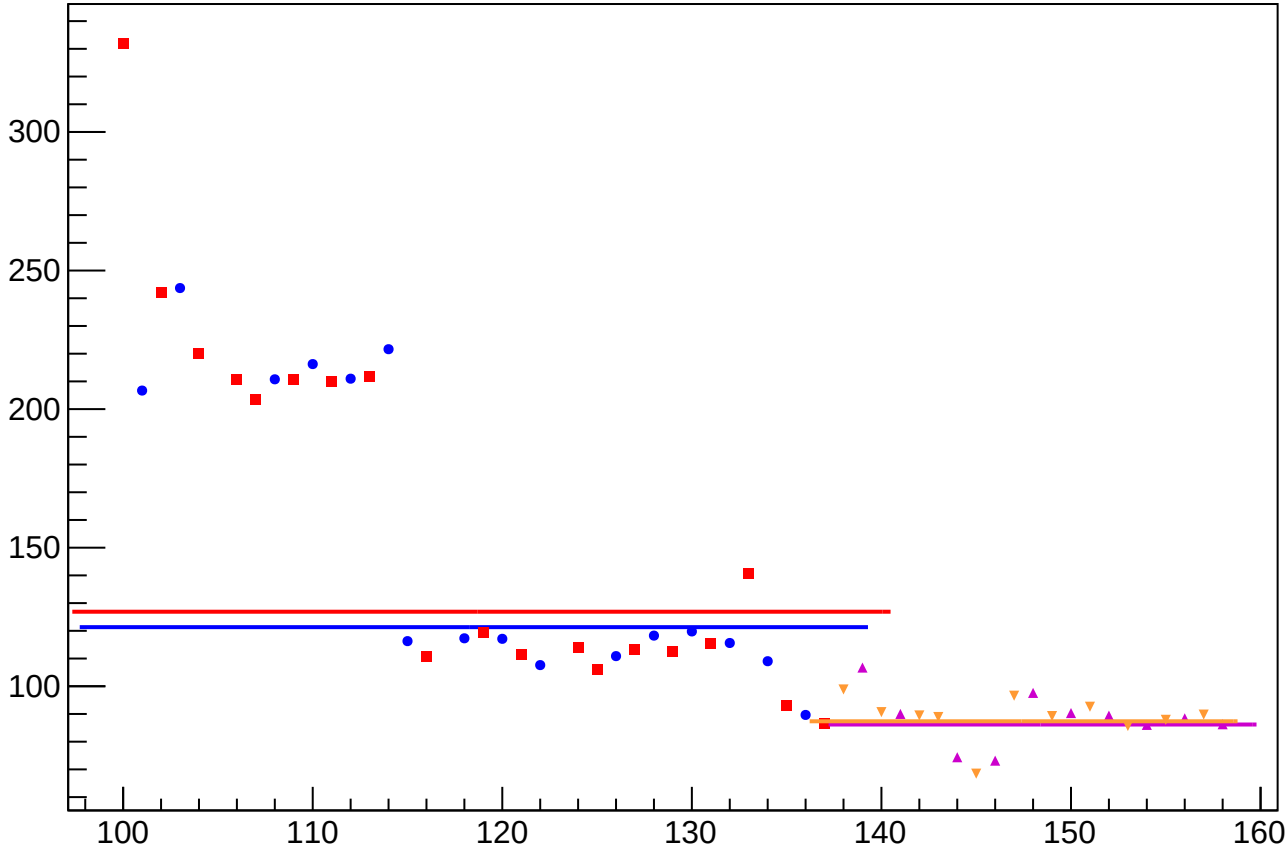
Left In: -78.323+/-29.538 χ^2/NDF:7.2/9

+ sign 72.931+/-25.358 χ^2/NDF: 39.7/26

All: -1.366+/-17.925 χ^2/NDF: 80.2/55

- sign -75.568+/-25.342 χ^2/NDF: 23.3/28

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 87.358+/-0.021 χ^2/NDF:165651.2/10

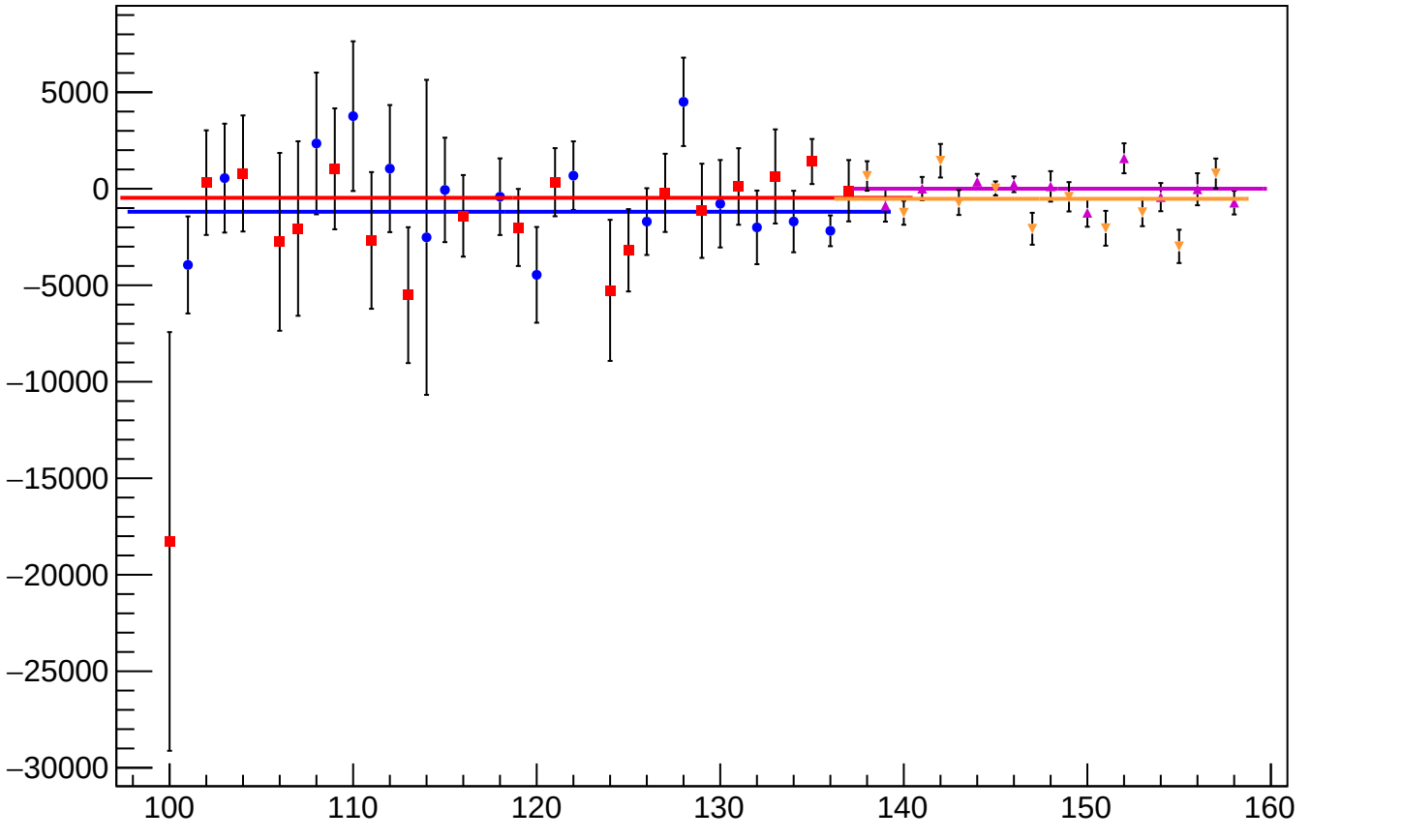
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 86.193+/-0.021 χ^2/NDF:194032.2/9

+ sign 96.986+/-0.018 χ^2/NDF: 2181141.5/26

All: 96.960+/-0.013 χ^2/NDF: 4842881.6/55

- sign 96.934+/-0.018 χ^2/NDF: 2661736.0/28



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -521.174+/-200.079 χ^2/NDF:29.5/10

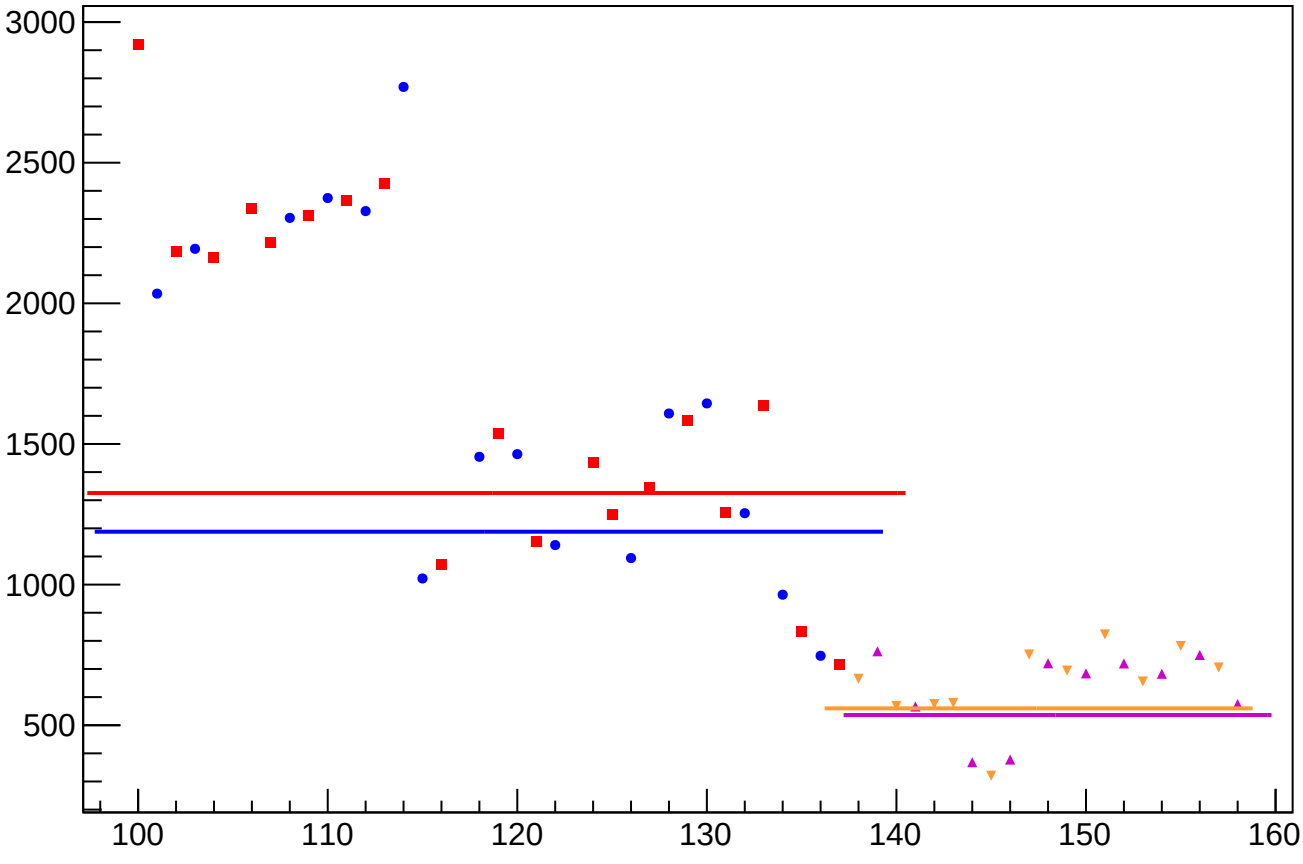
Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: 2.307+/-190.764 χ^2/NDF:11.1/9

+ sign -620.883+/-184.616 χ^2/NDF: 47.1/26

All: -328.602+/-128.579 χ^2/NDF: 77.2/55

- sign -53.270+/-179.183 χ^2/NDF: 25.2/28



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 559.917+/-0.141 χ^2/NDF:1491458.5/10

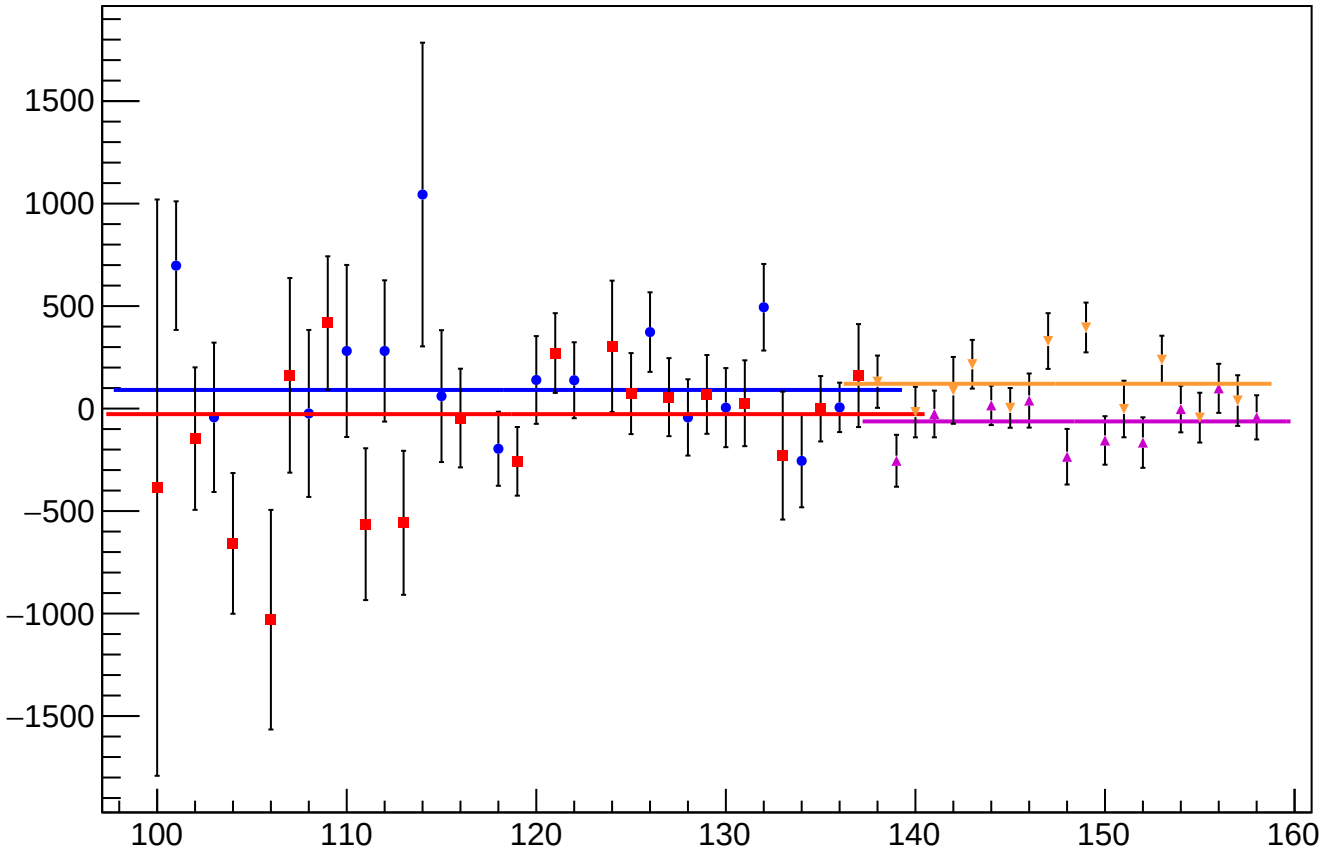
Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 536.407+/-0.135 χ^2/NDF:1326005.6/9

+ sign 653.263+/-0.131 χ^2/NDF: 6465571.2/26

All: 640.934+/-0.091 χ^2/NDF: 13759613.8/55

- sign 629.320+/-0.127 χ^2/NDF: 7276720.5/28



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

Left Out: 120.977+/-37.213 χ^2/NDF:15.0/10

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

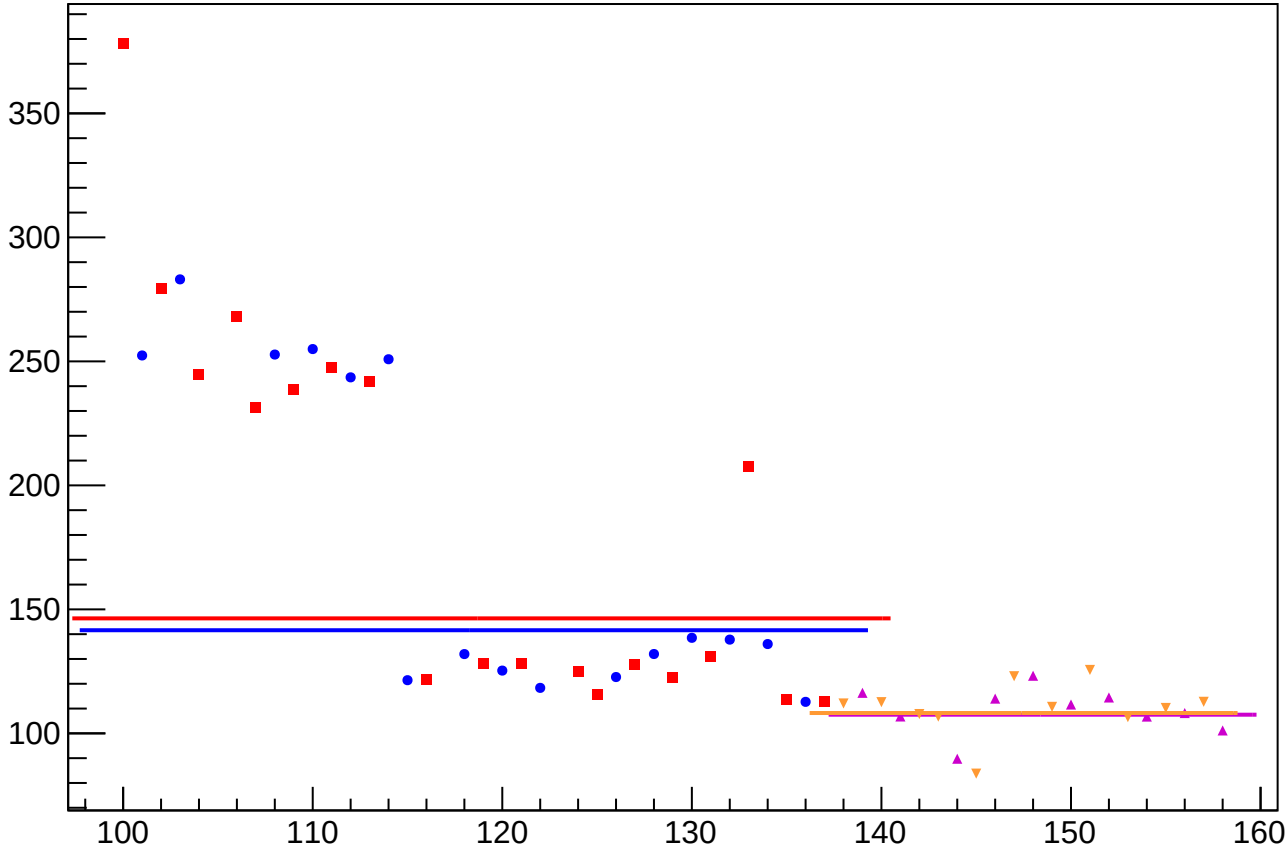
Left In: -62.661+/-37.019 χ^2/NDF:8.7/9

+ sign 111.666+/-30.919 χ^2/NDF: 33.2/26

All: 30.106+/-21.909 χ^2/NDF: 76.8/55

- sign -52.136+/-31.048 χ^2/NDF: 29.6/28

dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 108.208+/-0.026 χ^2/NDF:191677.4/10

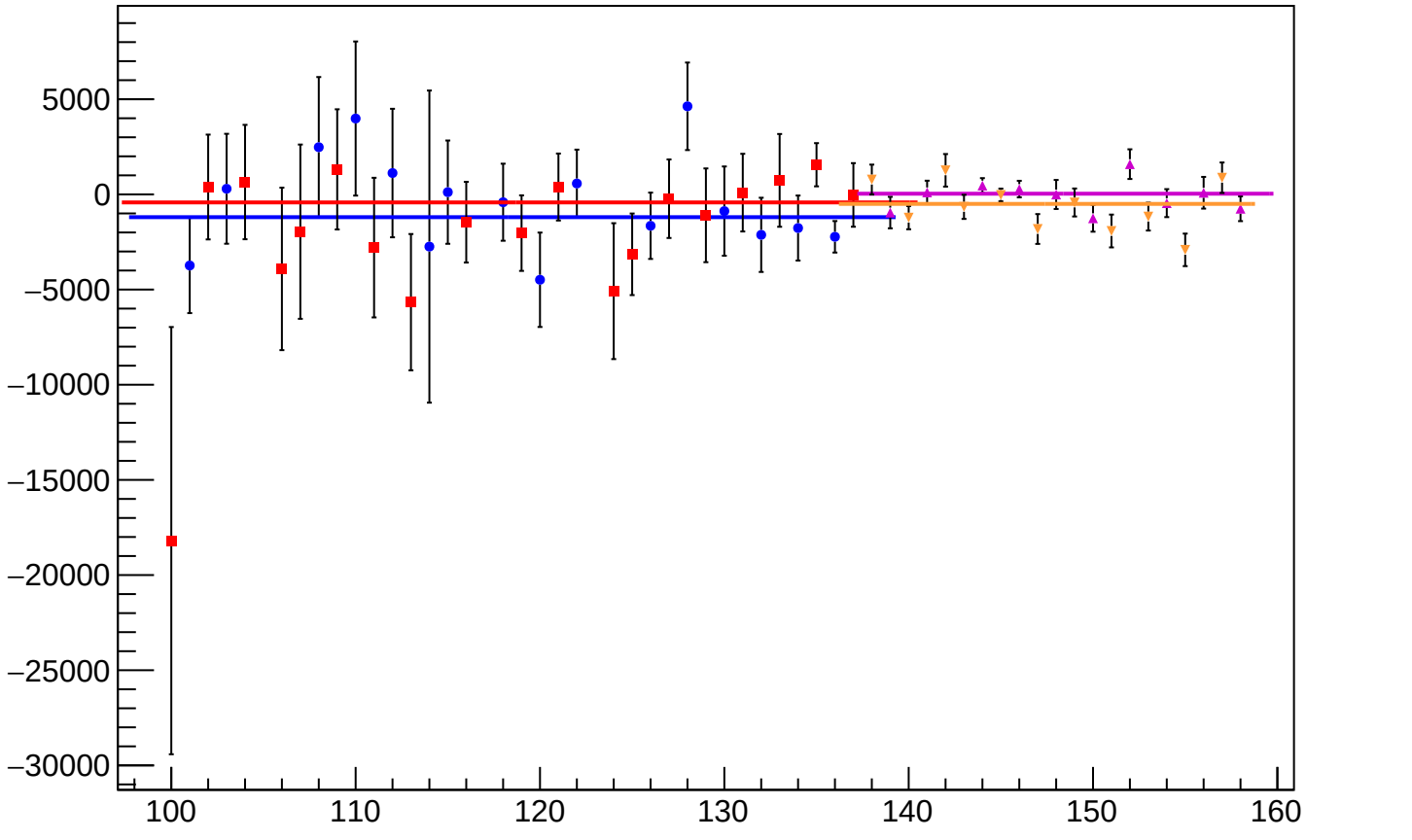
Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

Left In: 107.525+/-0.026 χ^2/NDF:125380.0/9

+ sign 118.544+/-0.022 χ^2/NDF: 1952271.1/26

All: 118.793+/-0.015 χ^2/NDF: 4244569.0/55

- sign 119.044+/-0.022 χ^2/NDF: 2292037.0/28



Right In: -1196.663+/-491.384 χ^2/NDF: 16.0/15

Left Out: -499.355+/-193.315 χ^2/NDF:27.7/10

Right Out: -422.161+/-523.834 χ^2/NDF: 14.3/18

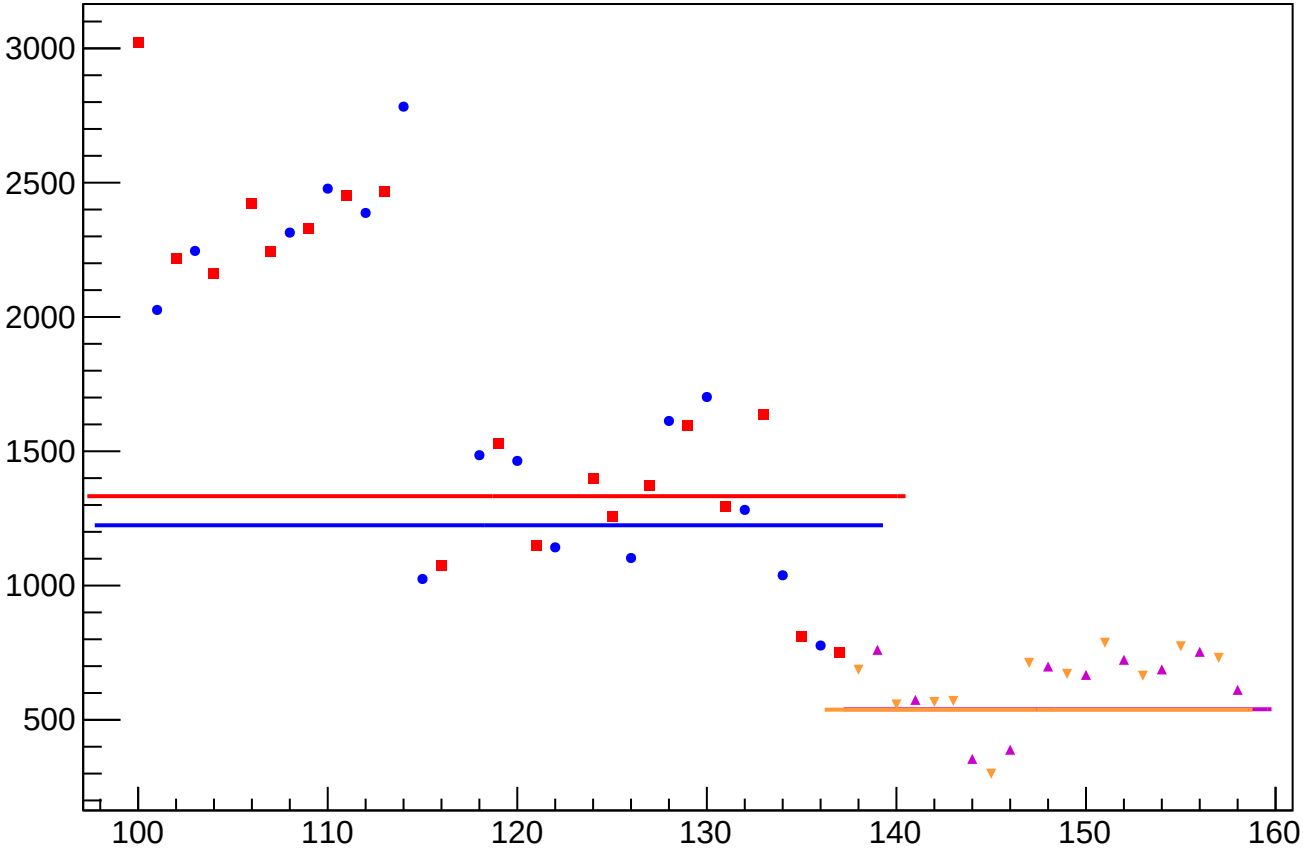
Left In: 36.360+/-192.592 χ^2/NDF:12.2/9

+ sign -592.813+/-179.894 χ^2/NDF: 45.4/26

All: -306.908+/-127.510 χ^2/NDF: 77.6/55

- sign -18.239+/-180.762 χ^2/NDF: 27.1/28

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1224.470+/-0.347 χ^2/NDF: 1959362.3/15

Left Out: 537.917+/-0.137 χ^2/NDF:1760184.1/10

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

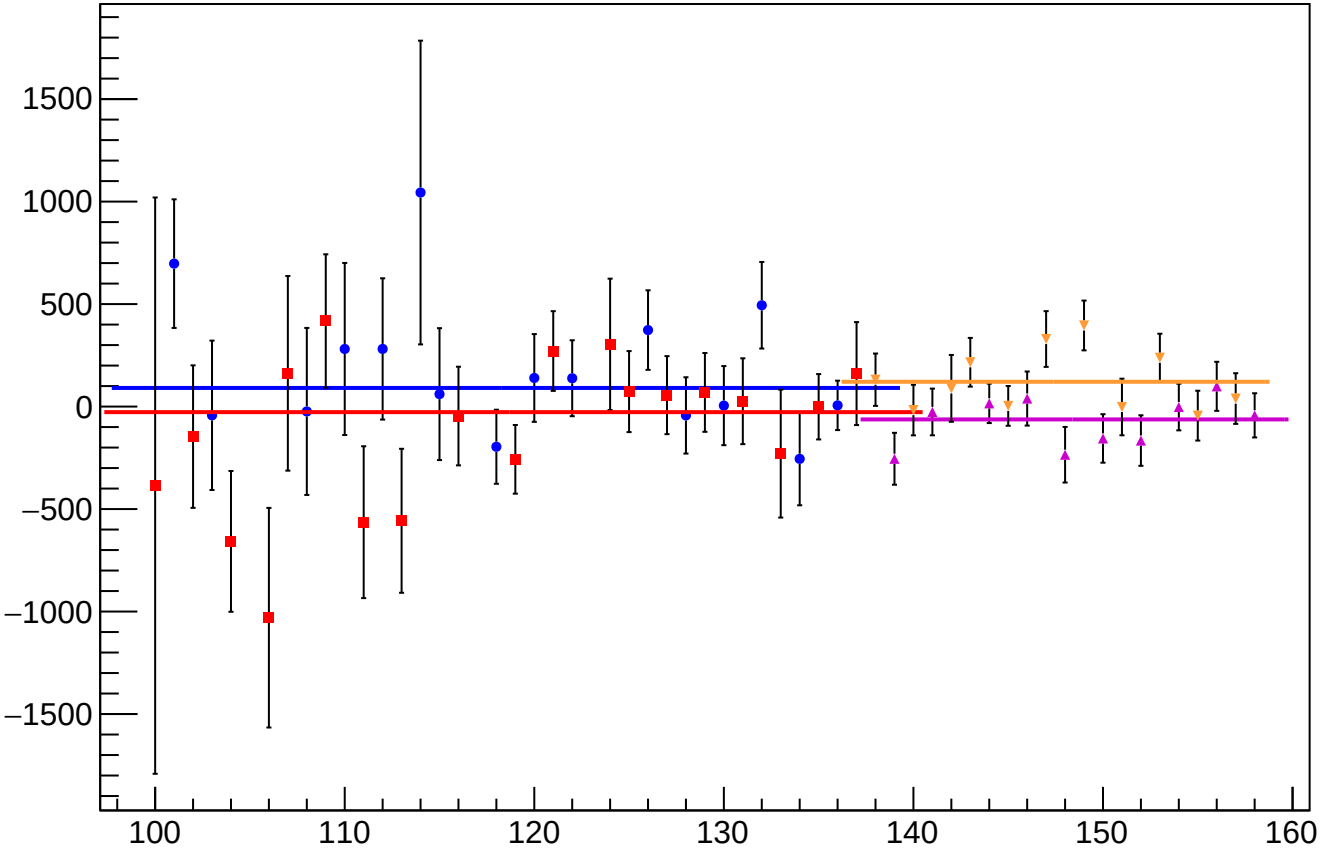
Left In: 539.533+/-0.136 χ^2/NDF:1337780.6/9

+ sign 629.934+/-0.127 χ^2/NDF: 7100511.2/26

All: 631.953+/-0.090 χ^2/NDF: 14473806.2/55

- sign 633.991+/-0.128 χ^2/NDF: 7372788.8/28

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 120.976+/-37.213 χ^2/NDF:15.0/10

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

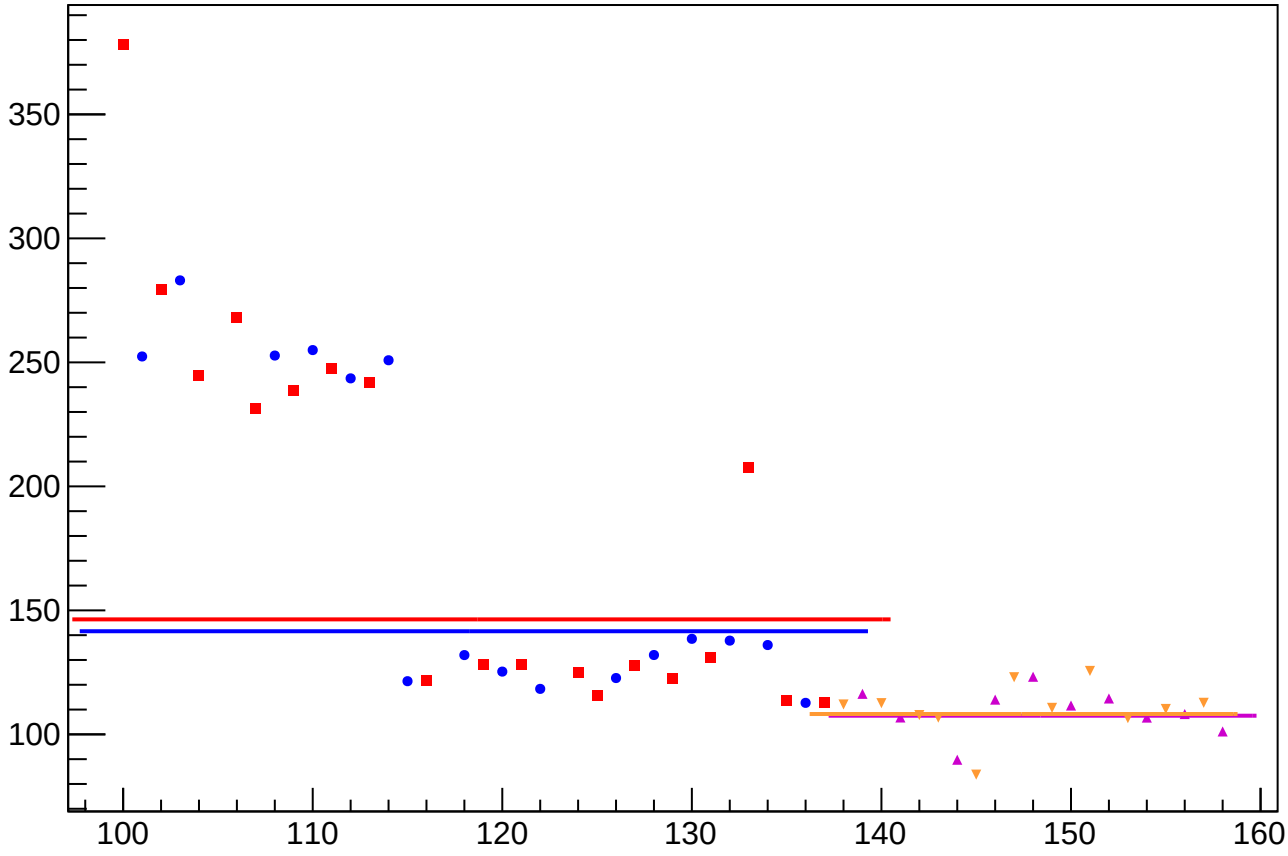
Left In: -62.660+/-37.019 χ^2/NDF:8.7/9

+ sign 111.666+/-30.919 χ^2/NDF: 33.2/26

All: 30.106+/-21.909 χ^2/NDF: 76.8/55

- sign -52.135+/-31.048 χ^2/NDF: 29.5/28

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 108.209+/-0.026 χ^2/NDF:191669.3/10

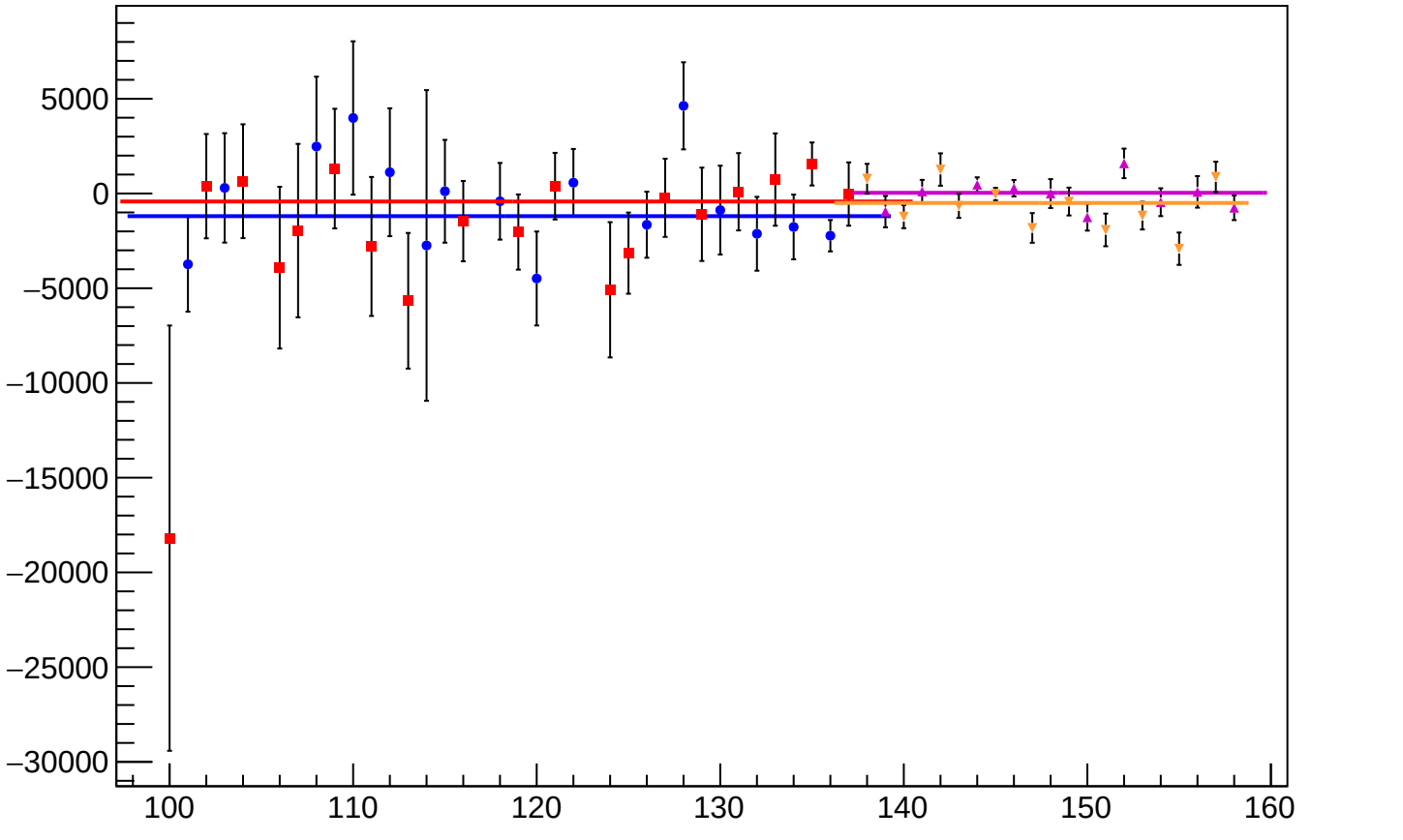
Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 107.525+/-0.026 χ^2/NDF:125378.7/9

+ sign 118.544+/-0.022 χ^2/NDF: 1952216.4/26

All: 118.793+/-0.015 χ^2/NDF: 4244477.9/55

- sign 119.044+/-0.022 χ^2/NDF: 2292000.5/28



Right In: -1196.659+/-491.383 χ^2/NDF: 16.0/15

Left Out: -499.354+/-193.314 χ^2/NDF:27.7/10

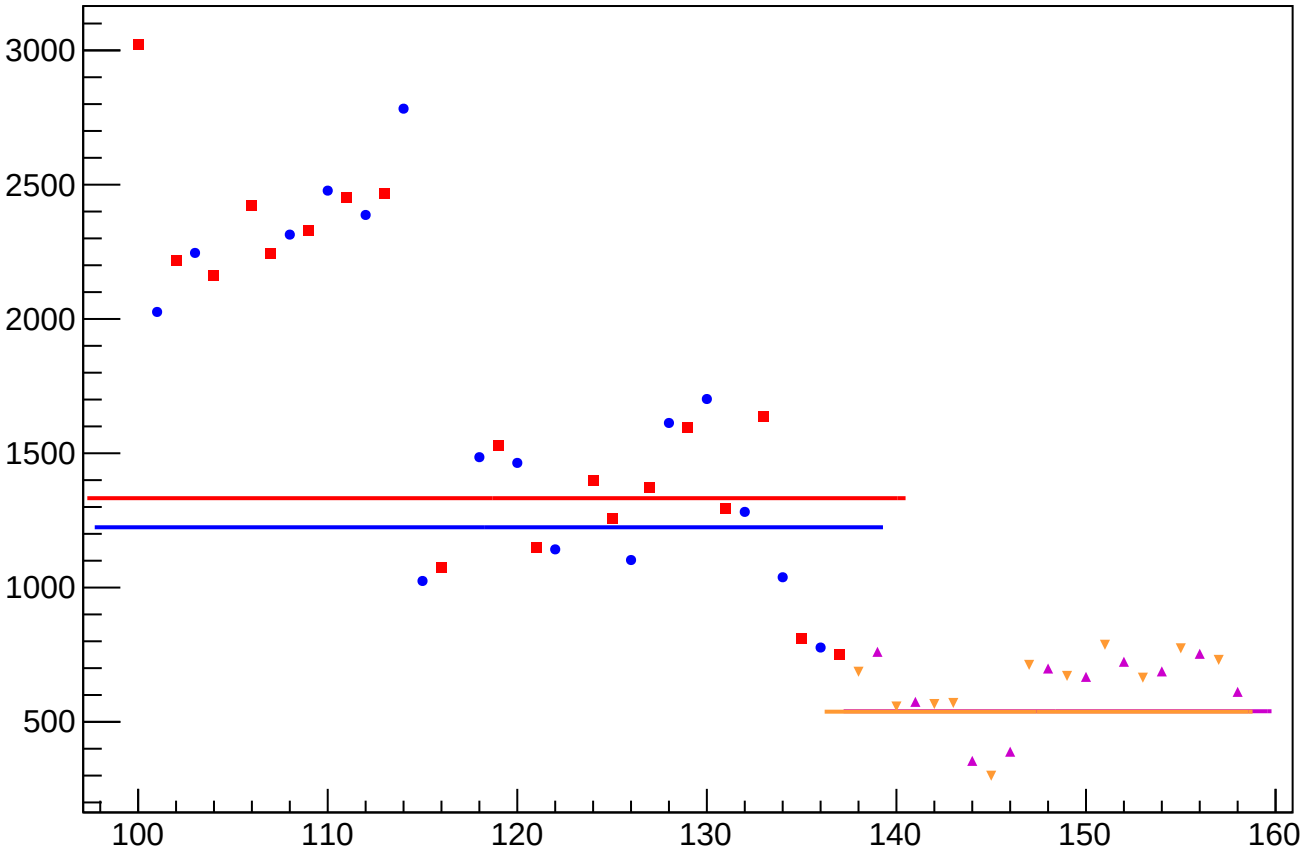
Right Out: -422.163+/-523.833 χ^2/NDF: 14.3/18

Left In: 36.360+/-192.591 χ^2/NDF:12.2/9

+ sign -592.812+/-179.894 χ^2/NDF: 45.4/26

All: -306.908+/-127.510 χ^2/NDF: 77.6/55

- sign -18.239+/-180.762 χ^2/NDF: 27.1/28



Right In: 1224.470+/-0.347 χ^2/NDF: 1959341.1/15

Left Out: 537.915+/-0.137 χ^2/NDF:1760229.4/10

Right Out: 1332.784+/-0.370 χ^2/NDF: 1994794.3/18

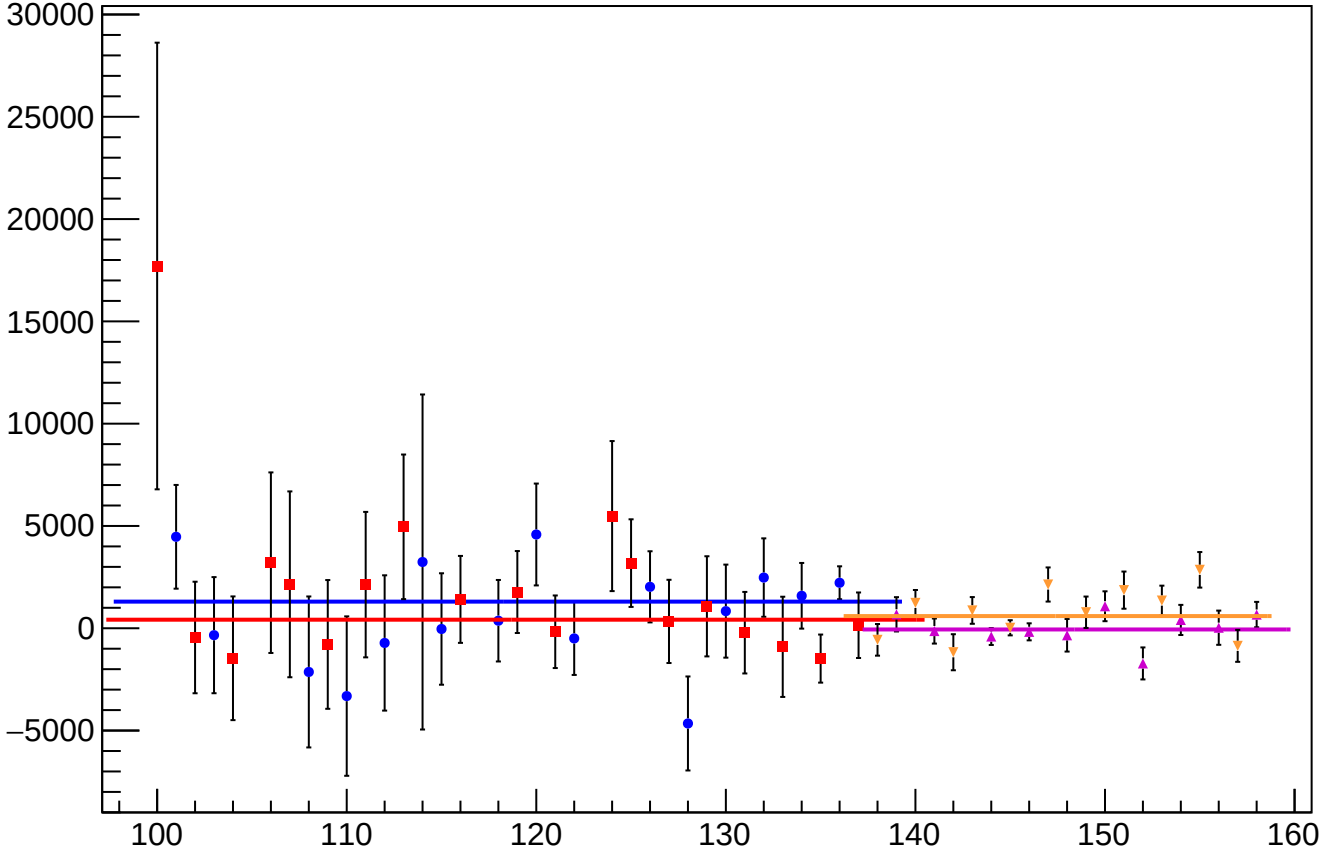
Left In: 539.532+/-0.136 χ^2/NDF:1337797.5/9

+ sign 629.931+/-0.127 χ^2/NDF: 7100561.4/26

All: 631.951+/-0.090 χ^2/NDF: 14473870.5/55

- sign 633.990+/-0.128 χ^2/NDF: 7372802.6/28

asym_sam_26_avg_mean vs Slug



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 595.139+/-202.921 χ^2/NDF:26.6/10

Right Out: 418.283+/-524.515 χ^2/NDF: 13.0/18

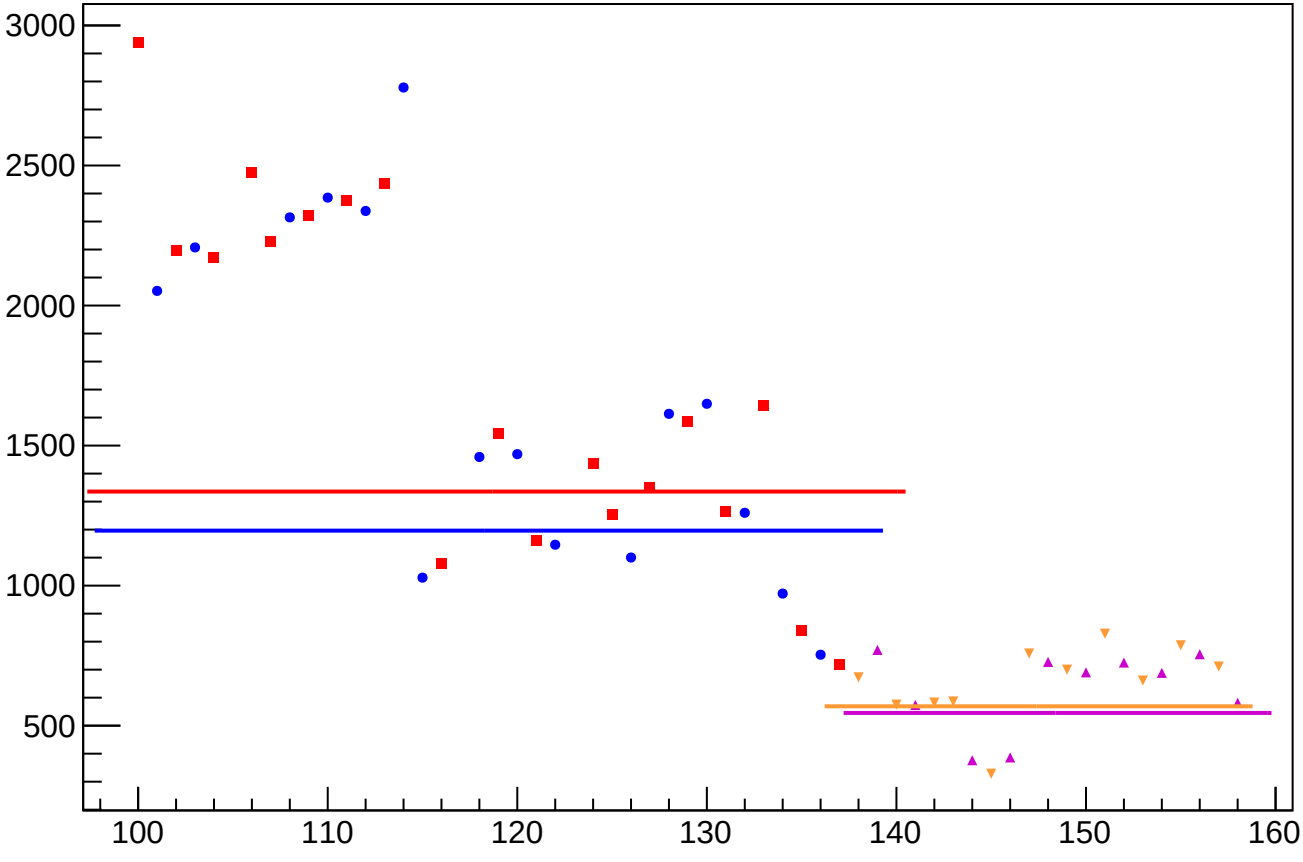
Left In: -59.271+/-193.626 χ^2/NDF:10.4/9

+ sign 701.519+/-187.020 χ^2/NDF: 44.9/26

All: 339.505+/-130.301 χ^2/NDF: 76.4/55

- sign -1.998+/-181.645 χ^2/NDF: 24.2/28

asym_sam_26_avg_rms vs Slug



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 569.085+/-0.143 χ^2/NDF:1426671.3/10

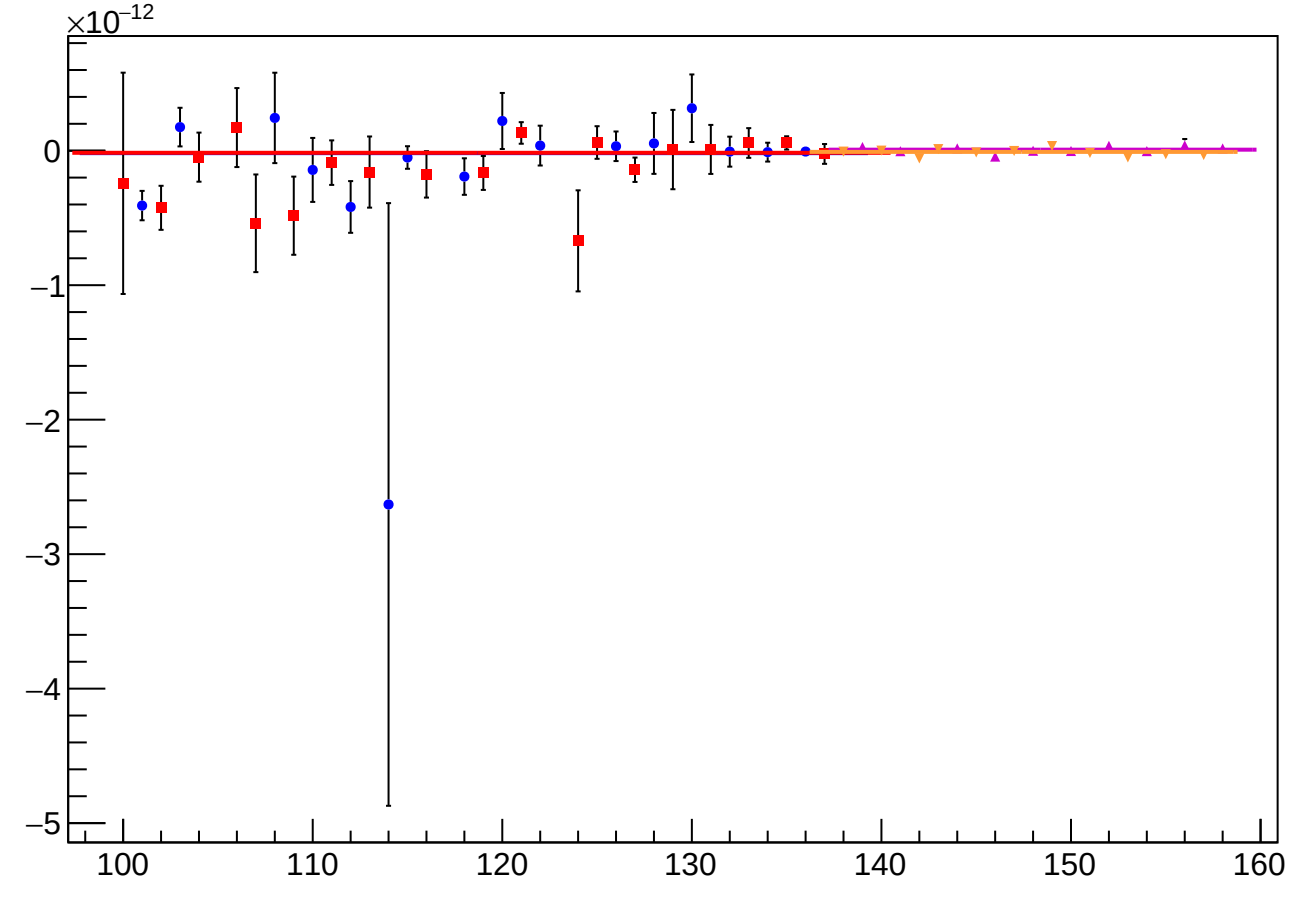
Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 545.477+/-0.137 χ^2/NDF:1271063.6/9

+ sign 663.537+/-0.132 χ^2/NDF: 6336050.4/26

All: 651.560+/-0.092 χ^2/NDF: 13570746.9/55

- sign 640.262+/-0.128 χ^2/NDF: 7218757.1/28



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.2/10

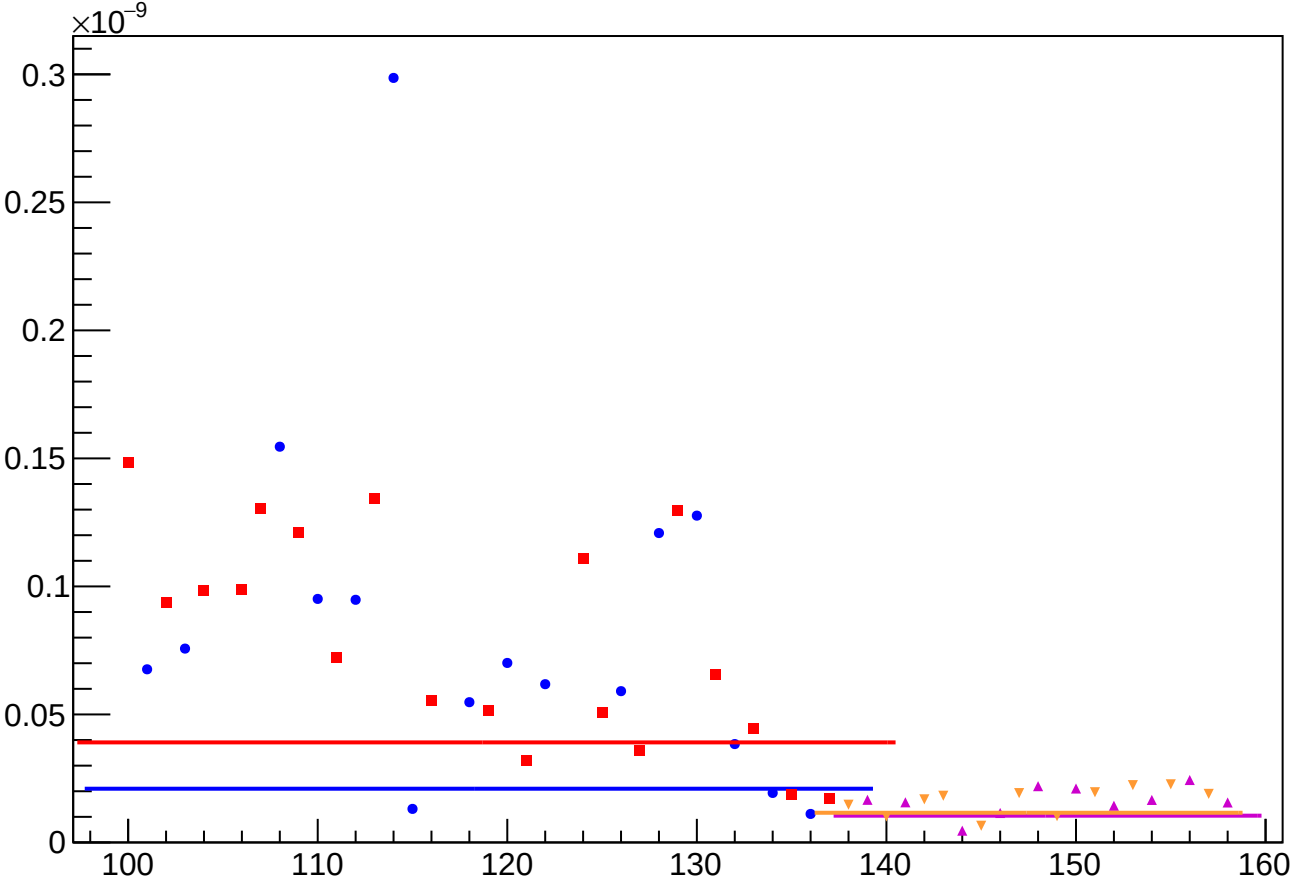
Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: 0.000+/-0.000 χ^2/NDF:11.5/9

+ sign -0.000+/-0.000 χ^2/NDF: 35.3/26

All: -0.000+/-0.000 χ^2/NDF: 76.4/55

- sign 0.000+/-0.000 χ^2/NDF: 37.8/28



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1305458.9/10

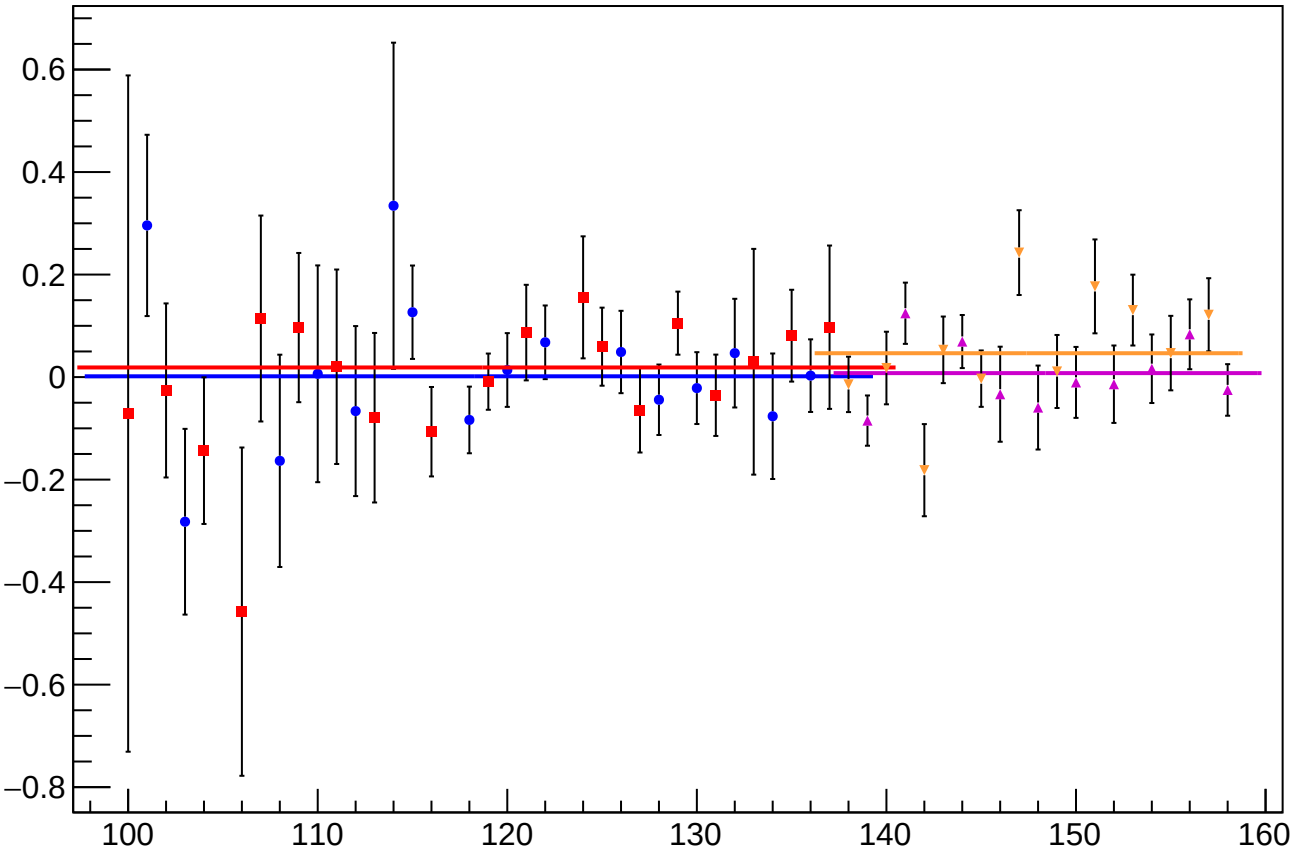
Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1732431.6/9

+ sign 0.000+/-0.000 χ^2/NDF: 5170695.6/26

All: 0.000+/-0.000 χ^2/NDF: 11029345.5/55

- sign 0.000+/-0.000 χ^2/NDF: 5843373.5/28



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.047+/-0.021 χ^2/NDF:19.2/10

Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

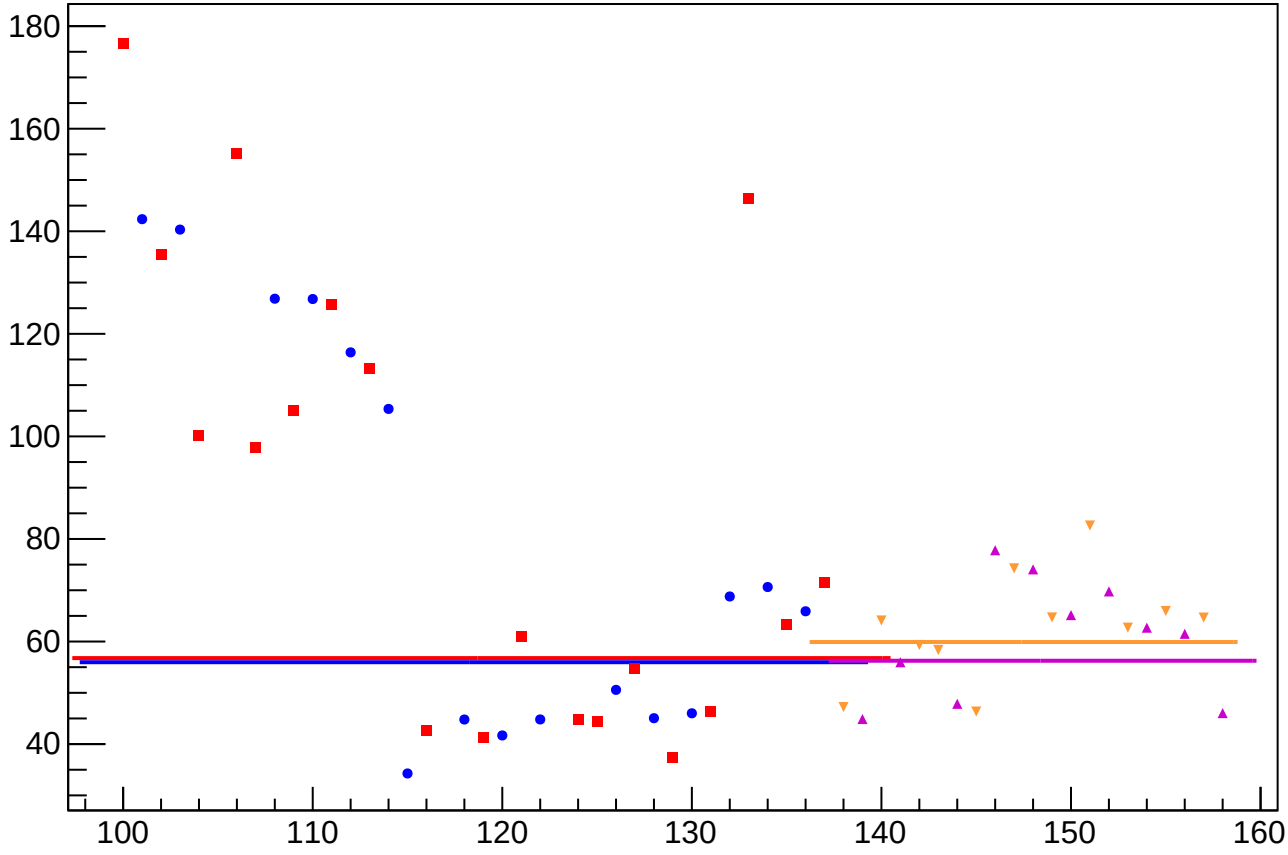
Left In: 0.008+/-0.020 χ^2/NDF:11.5/9

+ sign 0.027+/-0.016 χ^2/NDF: 34.3/26

All: 0.019+/-0.011 χ^2/NDF: 59.5/55

- sign 0.012+/-0.015 χ^2/NDF: 24.7/28

asym_sam_26_avg_dit_vs_cor_diff_rms vs Slug



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 59.906+/-0.015 χ^2/NDF:458293.6/10

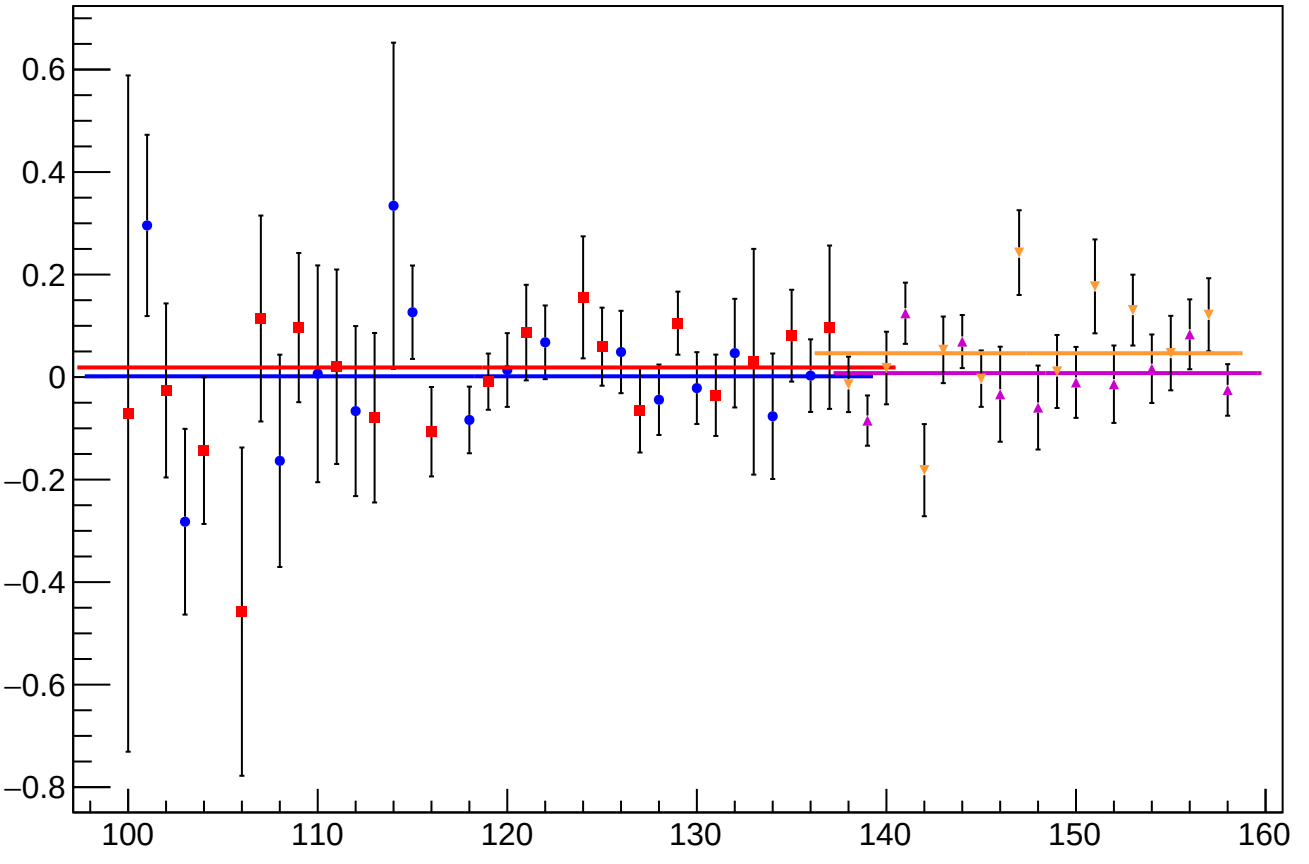
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 56.253+/-0.014 χ^2/NDF:572692.3/9

+ sign 58.161+/-0.011 χ^2/NDF: 2669607.3/26

All: 57.289+/-0.008 χ^2/NDF: 5808221.6/55

- sign 56.468+/-0.011 χ^2/NDF: 3126481.8/28



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.047+/-0.021 χ^2/NDF:19.2/10

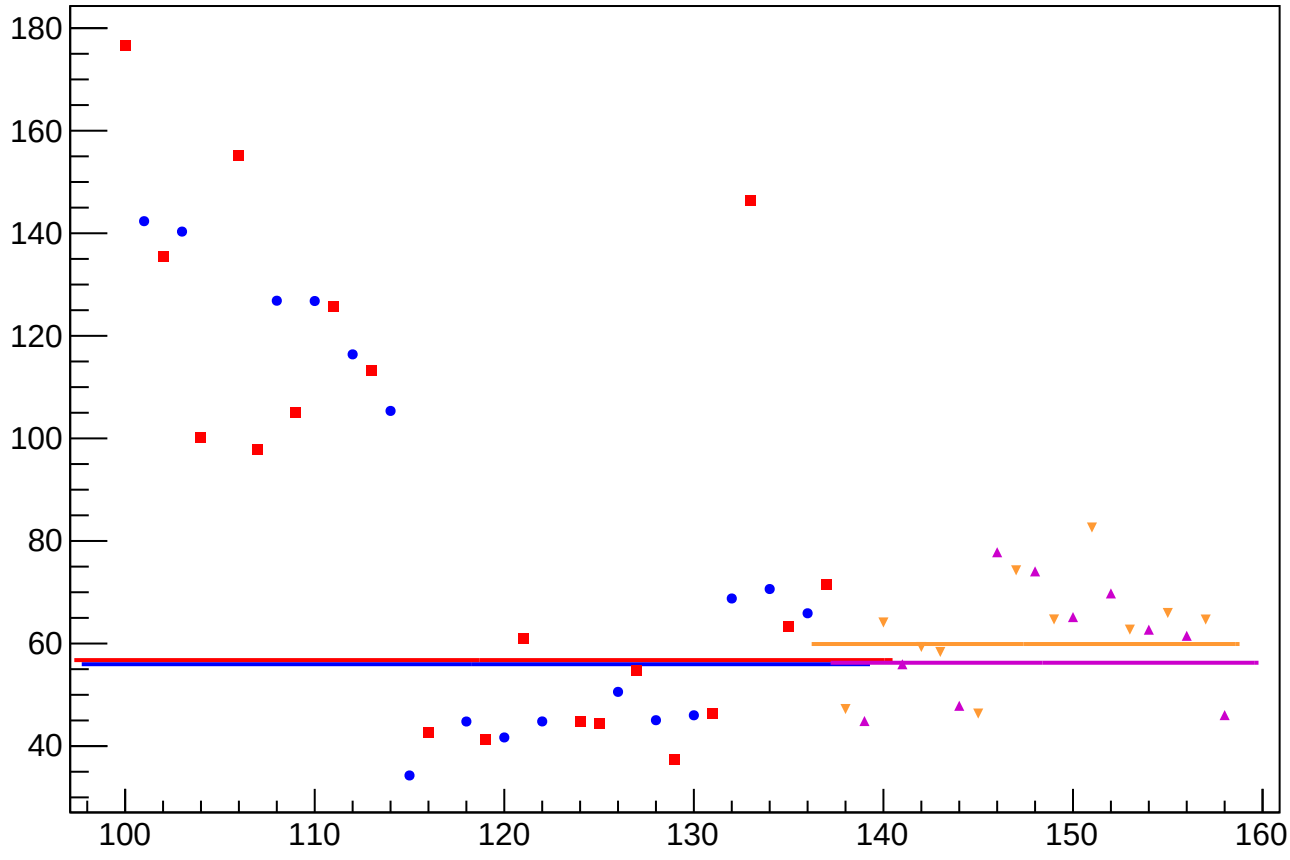
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.008+/-0.020 χ^2/NDF:11.5/9

+ sign 0.027+/-0.016 χ^2/NDF: 34.3/26

All: 0.019+/-0.011 χ^2/NDF: 59.5/55

- sign 0.012+/-0.015 χ^2/NDF: 24.7/28



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 59.906+/-0.015 χ^2/NDF:458293.6/10

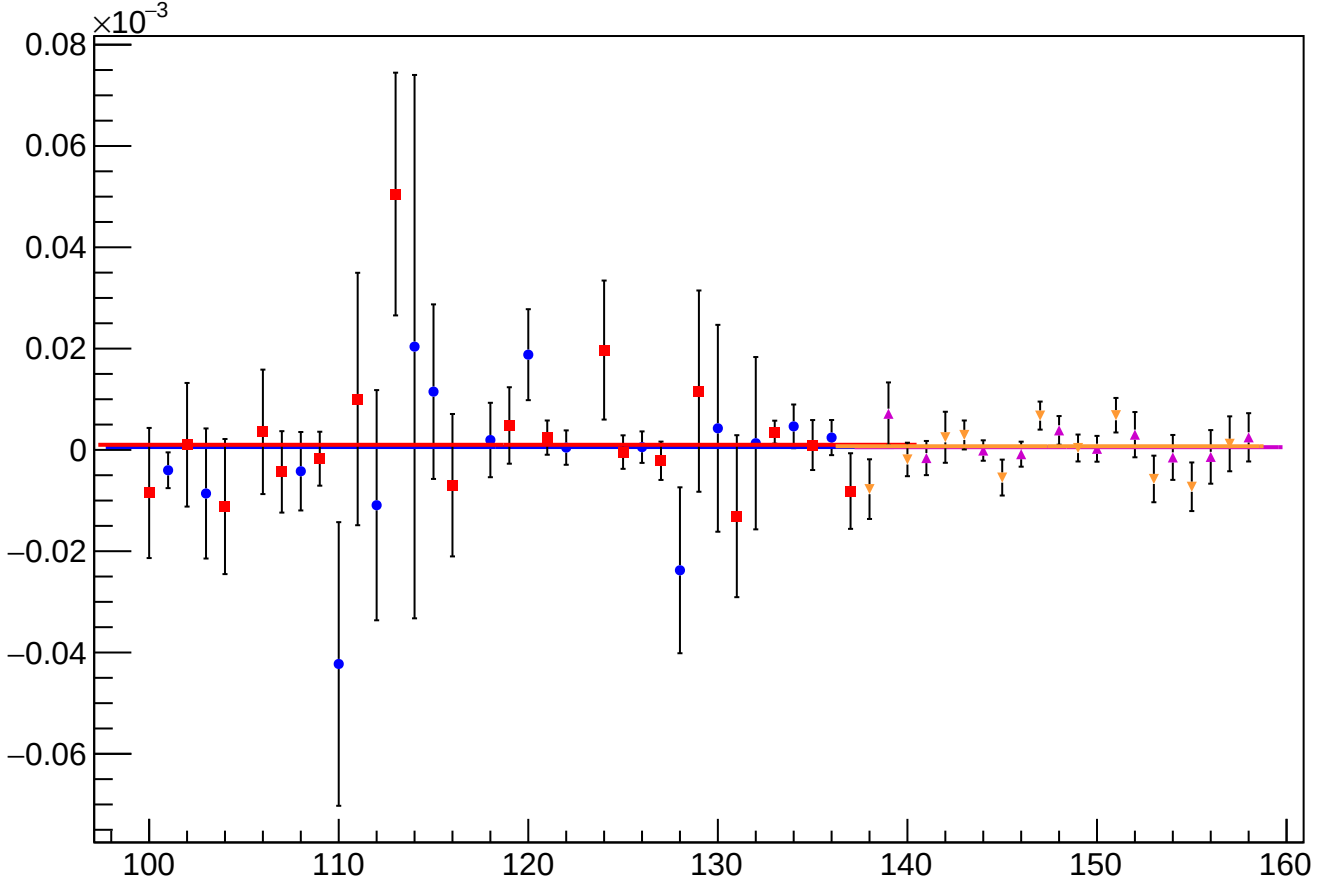
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 56.253+/-0.014 χ^2/NDF:572692.3/9

+ sign 58.161+/-0.011 χ^2/NDF: 2669607.3/26

All: 57.289+/-0.008 χ^2/NDF: 5808221.6/55

- sign 56.468+/-0.011 χ^2/NDF: 3126481.8/28



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.2/10

Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

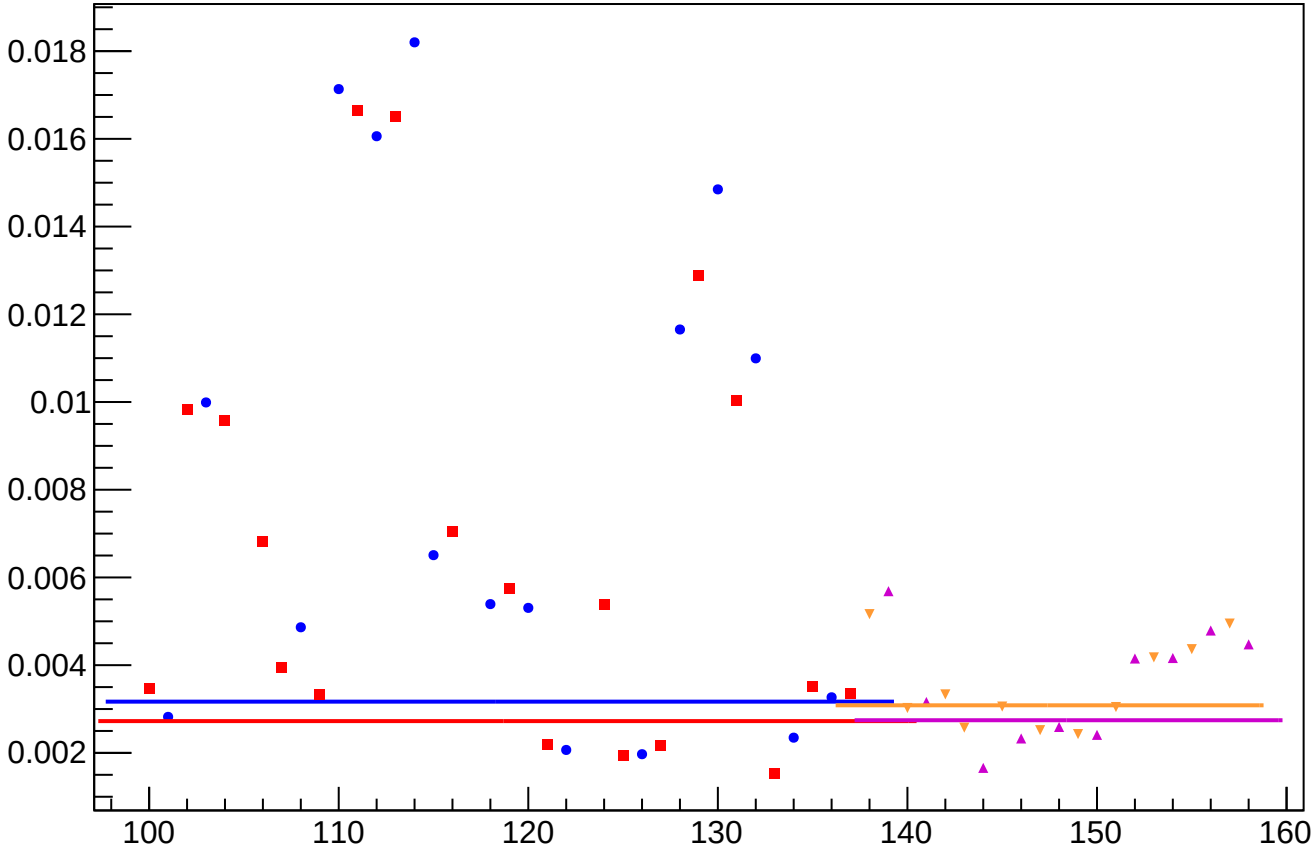
Left In: 0.000+/-0.000 χ^2/NDF:4.2/9

+ sign 0.000+/-0.000 χ^2/NDF: 32.5/26

All: 0.000+/-0.000 χ^2/NDF: 50.6/55

- sign 0.000+/-0.000 χ^2/NDF: 18.1/28

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 4545616.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:1015514.8/10

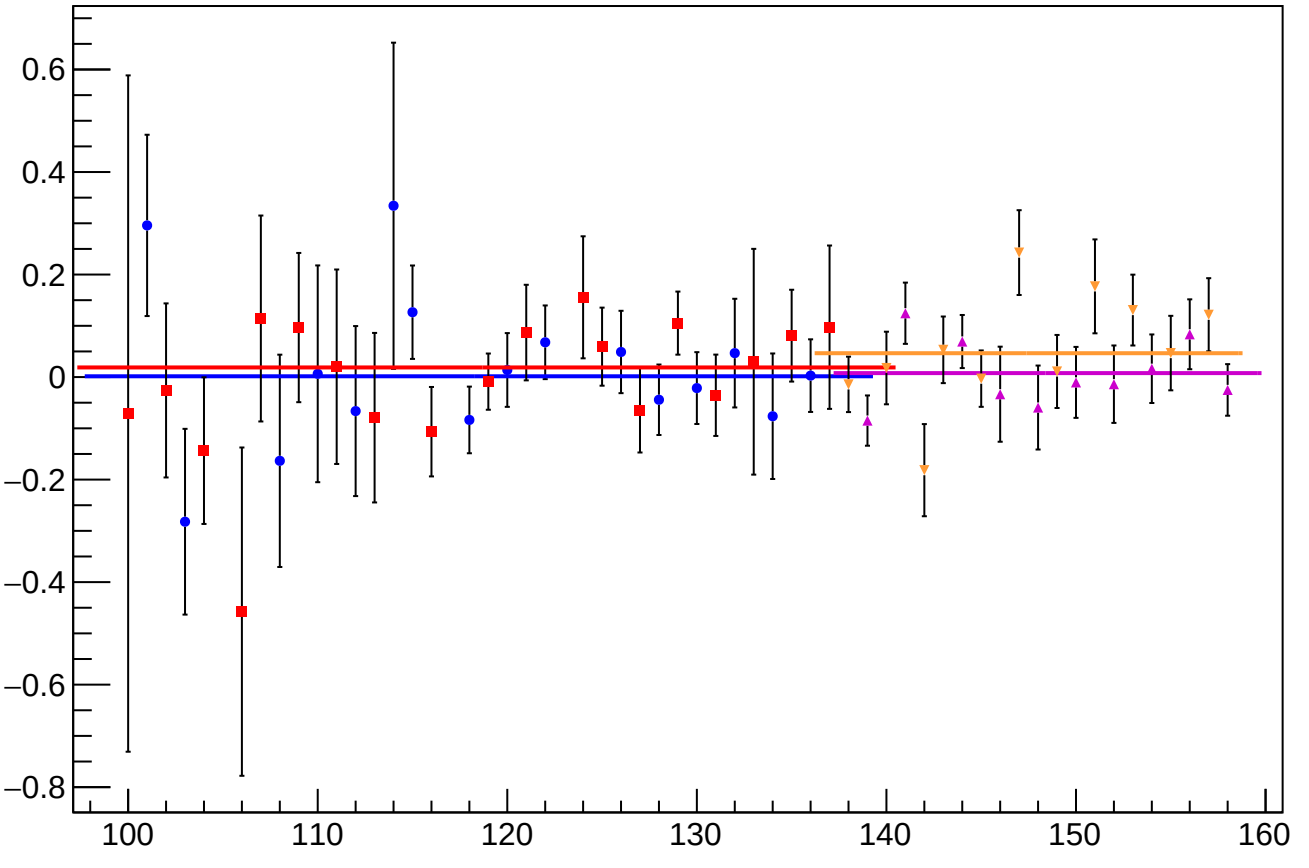
Right Out: 0.003+/-0.000 χ^2/NDF: 5153213.6/18

Left In: 0.003+/-0.000 χ^2/NDF:2125027.1/9

+ sign 0.003+/-0.000 χ^2/NDF: 5565400.9/26

All: 0.003+/-0.000 χ^2/NDF: 13050952.8/55

- sign 0.003+/-0.000 χ^2/NDF: 7278535.9/28



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.047+/-0.021 χ^2/NDF:19.2/10

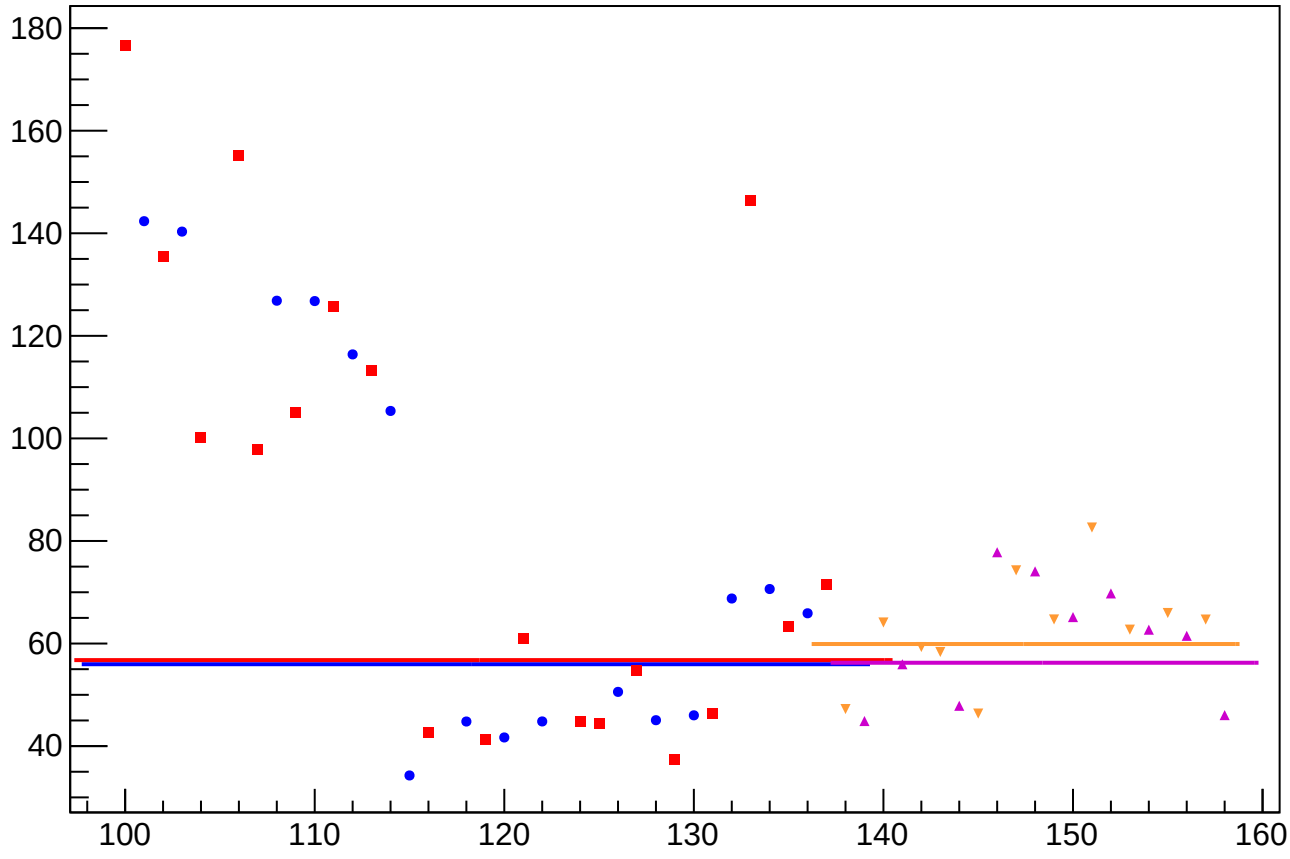
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.008+/-0.020 χ^2/NDF:11.5/9

+ sign 0.027+/-0.016 χ^2/NDF: 34.3/26

All: 0.019+/-0.011 χ^2/NDF: 59.5/55

- sign 0.012+/-0.015 χ^2/NDF: 24.7/28



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 59.907+/-0.015 χ^2/NDF:458282.9/10

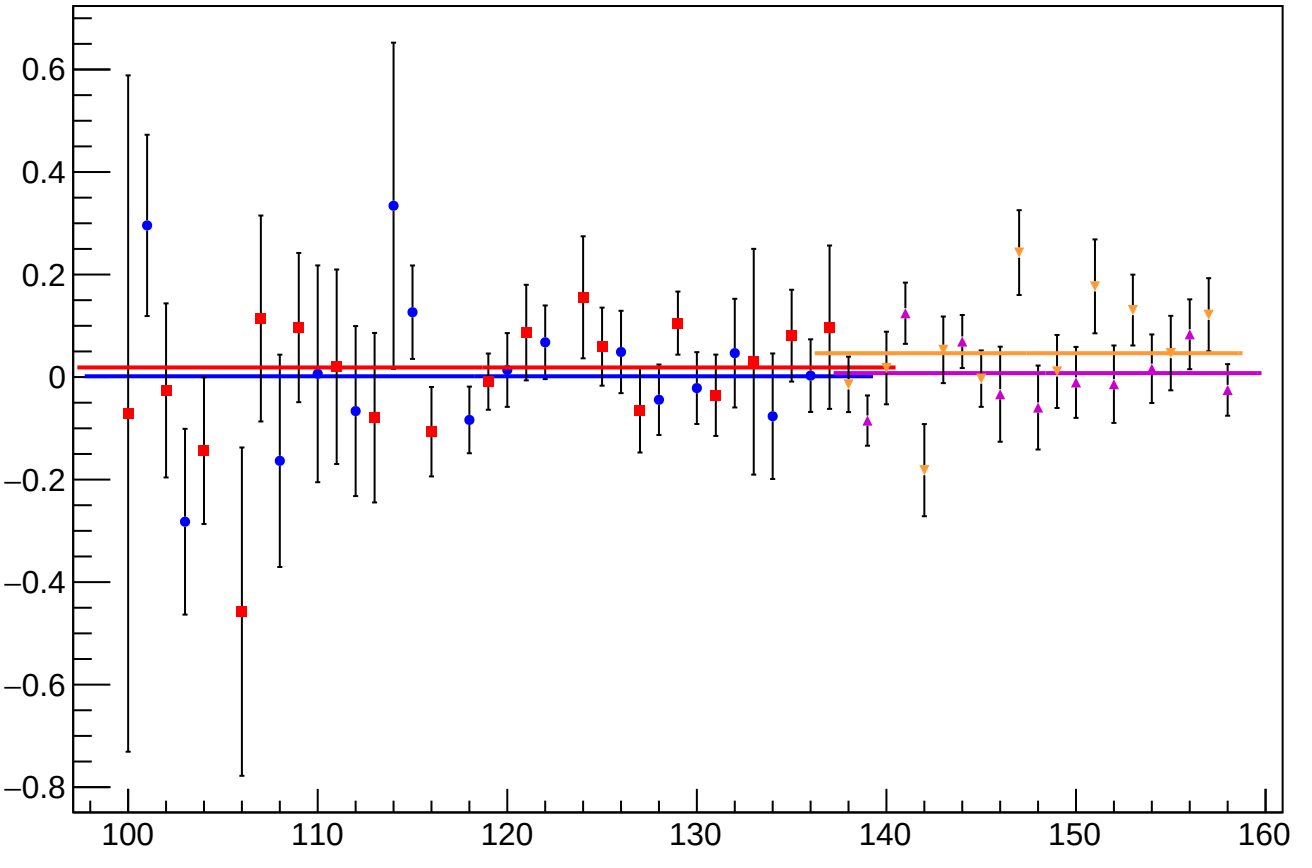
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 56.254+/-0.014 χ^2/NDF:572691.7/9

+ sign 58.161+/-0.011 χ^2/NDF: 2669539.5/26

All: 57.290+/-0.008 χ^2/NDF: 5808097.6/55

- sign 56.468+/-0.011 χ^2/NDF: 3126424.0/28



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.047+/-0.021 χ^2/NDF:19.2/10

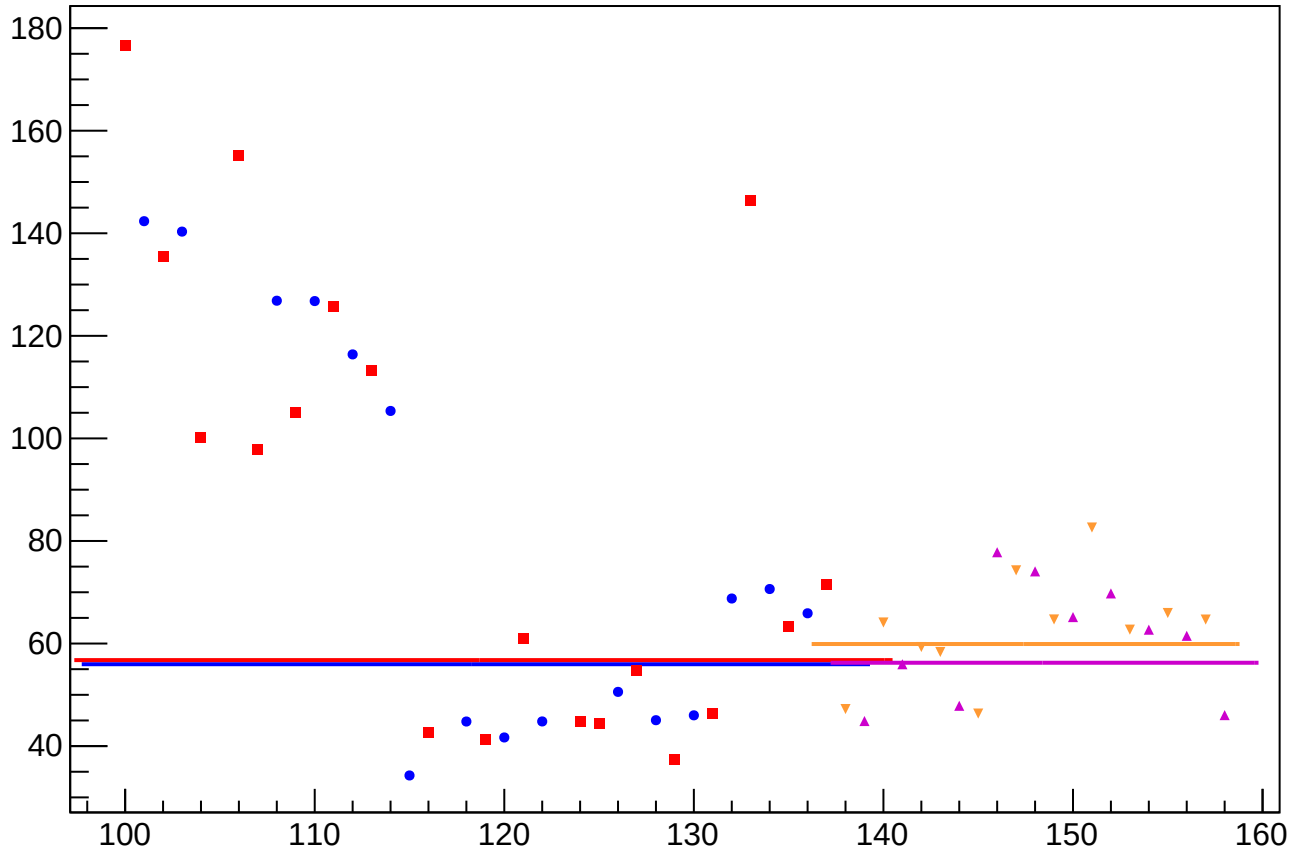
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.008+/-0.020 χ^2/NDF:11.5/9

+ sign 0.027+/-0.016 χ^2/NDF: 34.3/26

All: 0.019+/-0.011 χ^2/NDF: 59.5/55

- sign 0.012+/-0.015 χ^2/NDF: 24.7/28



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 59.907+/-0.015 χ^2/NDF:458282.9/10

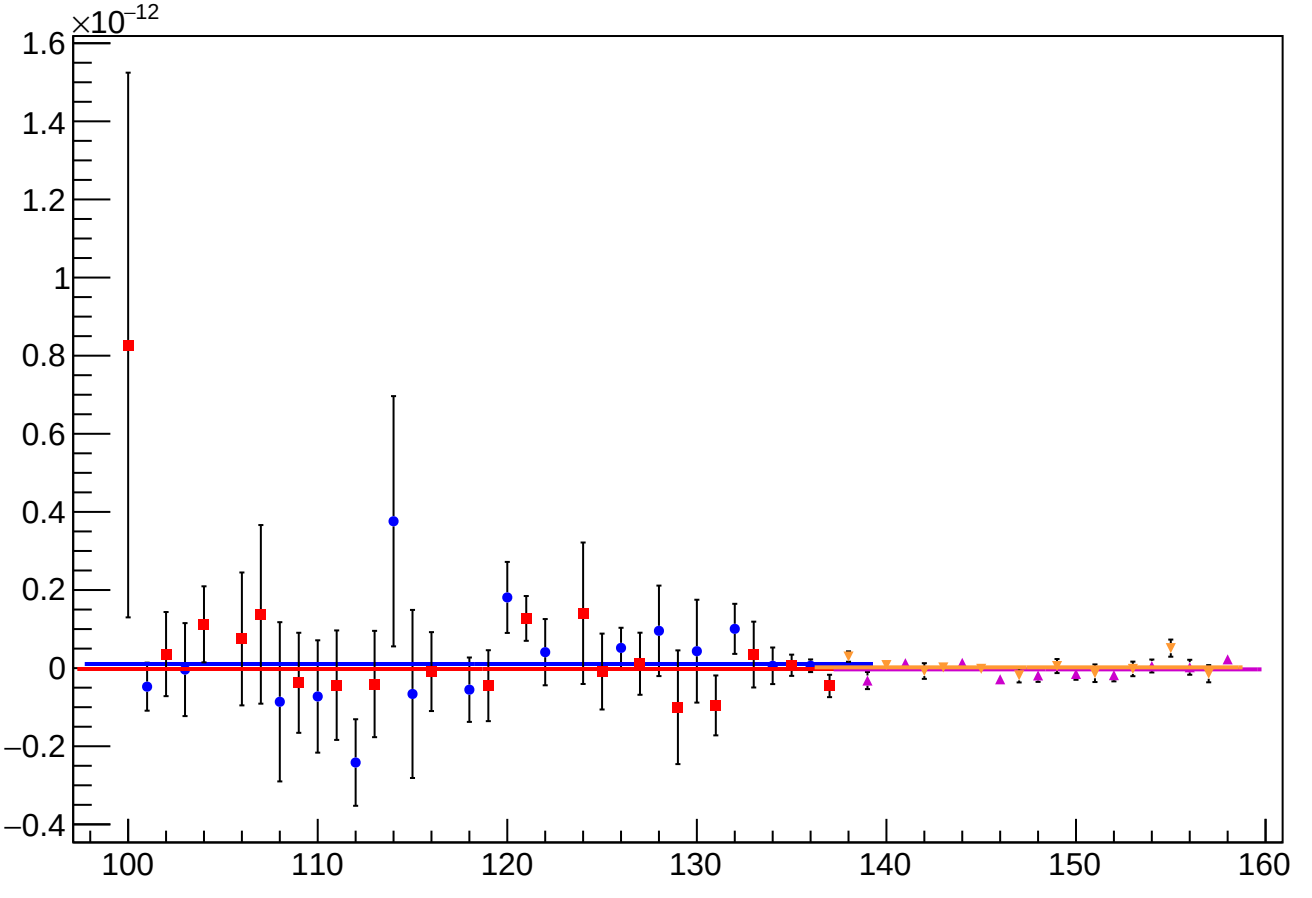
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 56.254+/-0.014 χ^2/NDF:572691.7/9

+ sign 58.161+/-0.011 χ^2/NDF: 2669539.5/26

All: 57.290+/-0.008 χ^2/NDF: 5808097.6/55

- sign 56.468+/-0.011 χ^2/NDF: 3126424.0/28



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.7/10

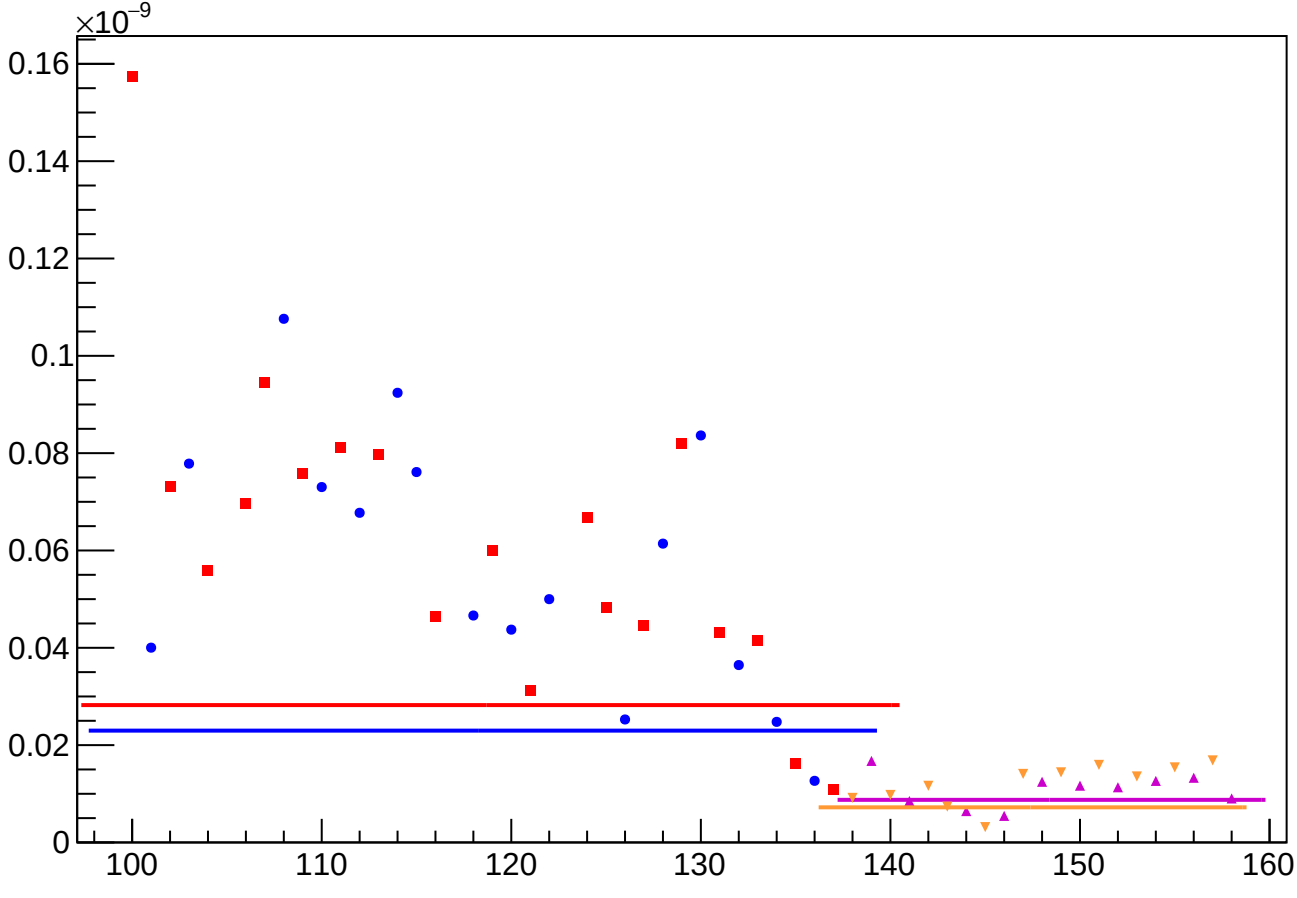
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:24.6/9

+ sign 0.000+/-0.000 χ^2/NDF: 28.8/26

All: 0.000+/-0.000 χ^2/NDF: 68.9/55

- sign -0.000+/-0.000 χ^2/NDF: 38.9/28



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3305998.7/10

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

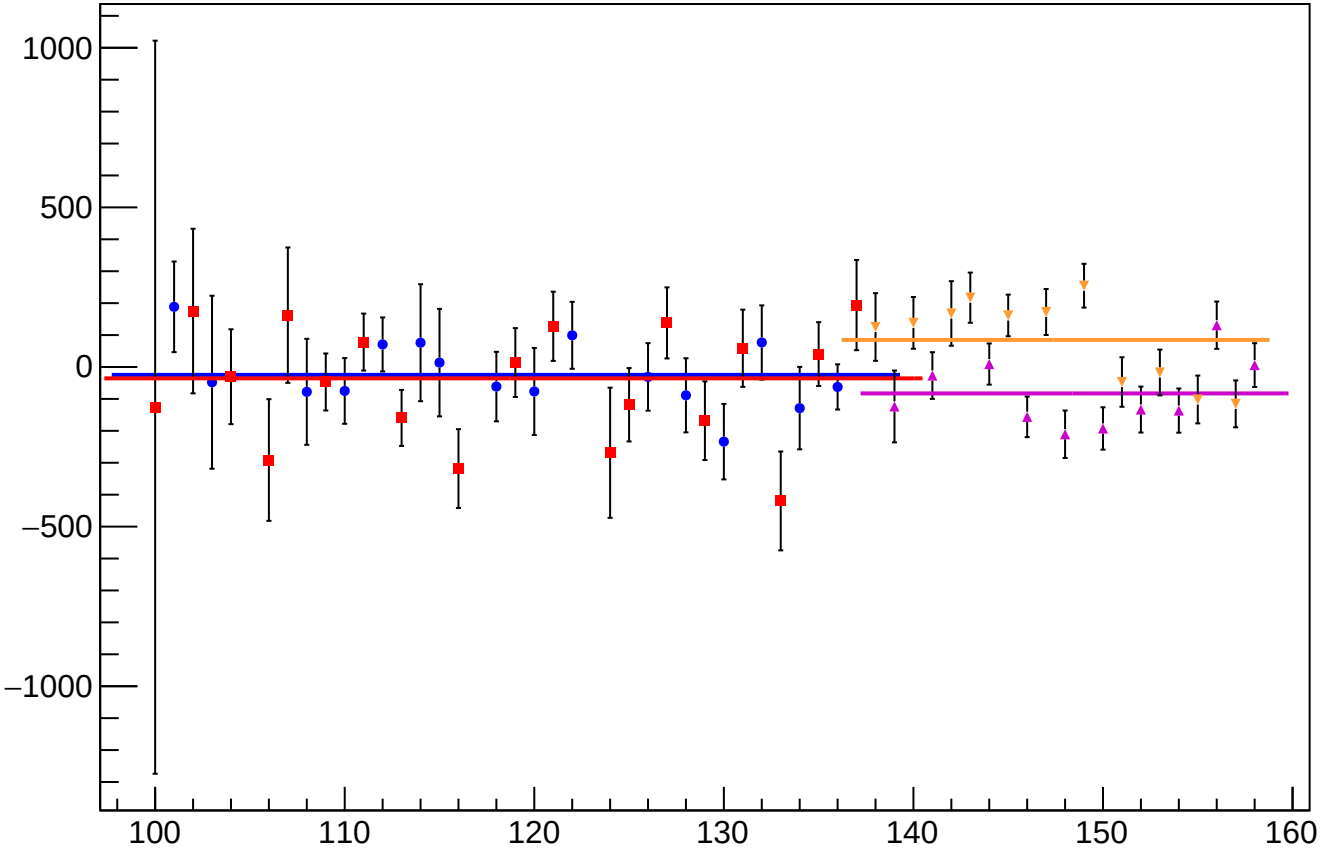
Left In: 0.000+/-0.000 χ^2/NDF:1185818.3/9

+ sign 0.000+/-0.000 χ^2/NDF: 9786368.8/26

All: 0.000+/-0.000 χ^2/NDF: 17950643.8/55

- sign 0.000+/-0.000 χ^2/NDF: 7970610.6/28

reg_asym_sam_37_avg_mean vs Slug



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 84.865+/-23.156 χ^2/NDF:31.6/10

Right Out: -35.582+/-28.454 χ^2/NDF: 30.1/18

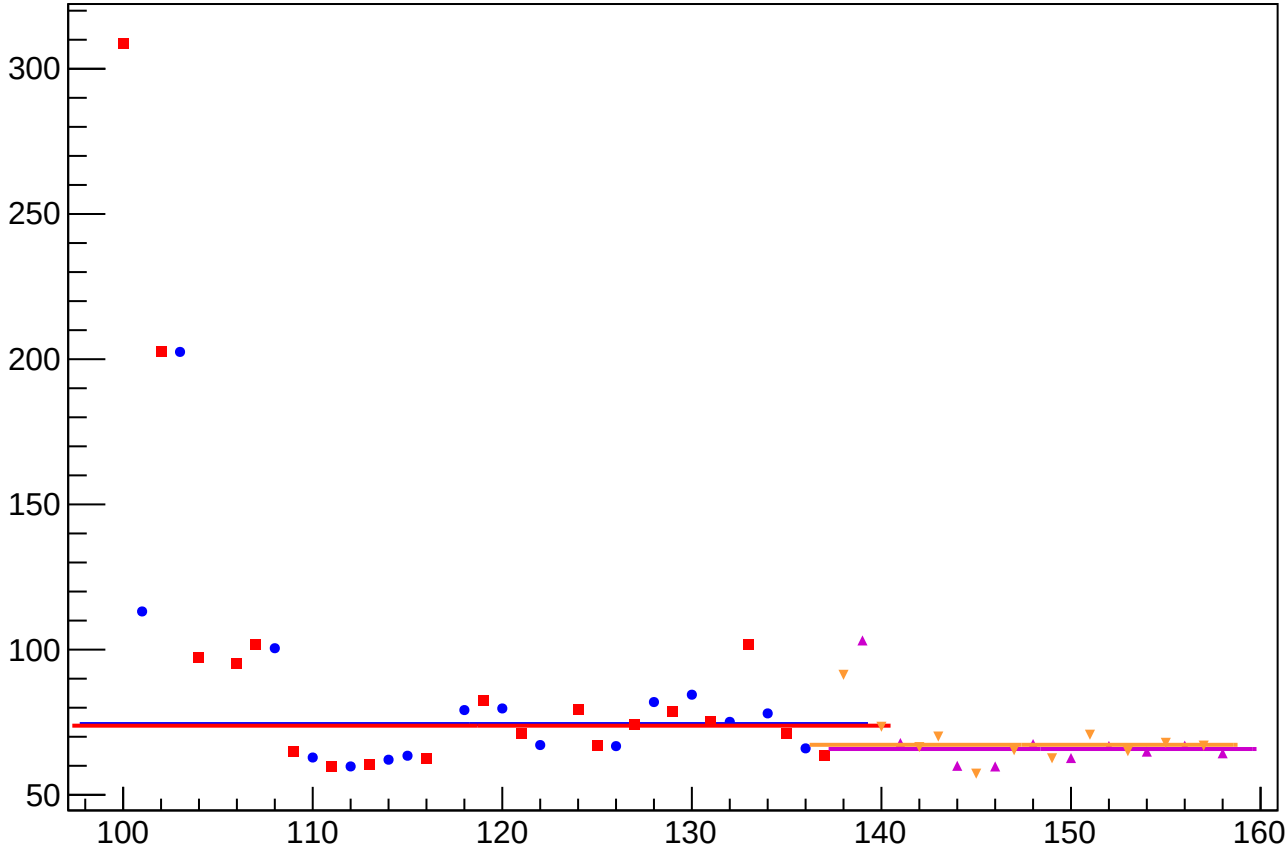
Left In: -82.763+/-22.603 χ^2/NDF:20.9/9

+ sign 42.076+/-18.074 χ^2/NDF: 51.4/26

All: -12.335+/-12.645 χ^2/NDF: 121.8/55

- sign -64.510+/-17.698 χ^2/NDF: 52.6/28

reg_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 67.229+/-0.016 χ^2/NDF:180929.0/10

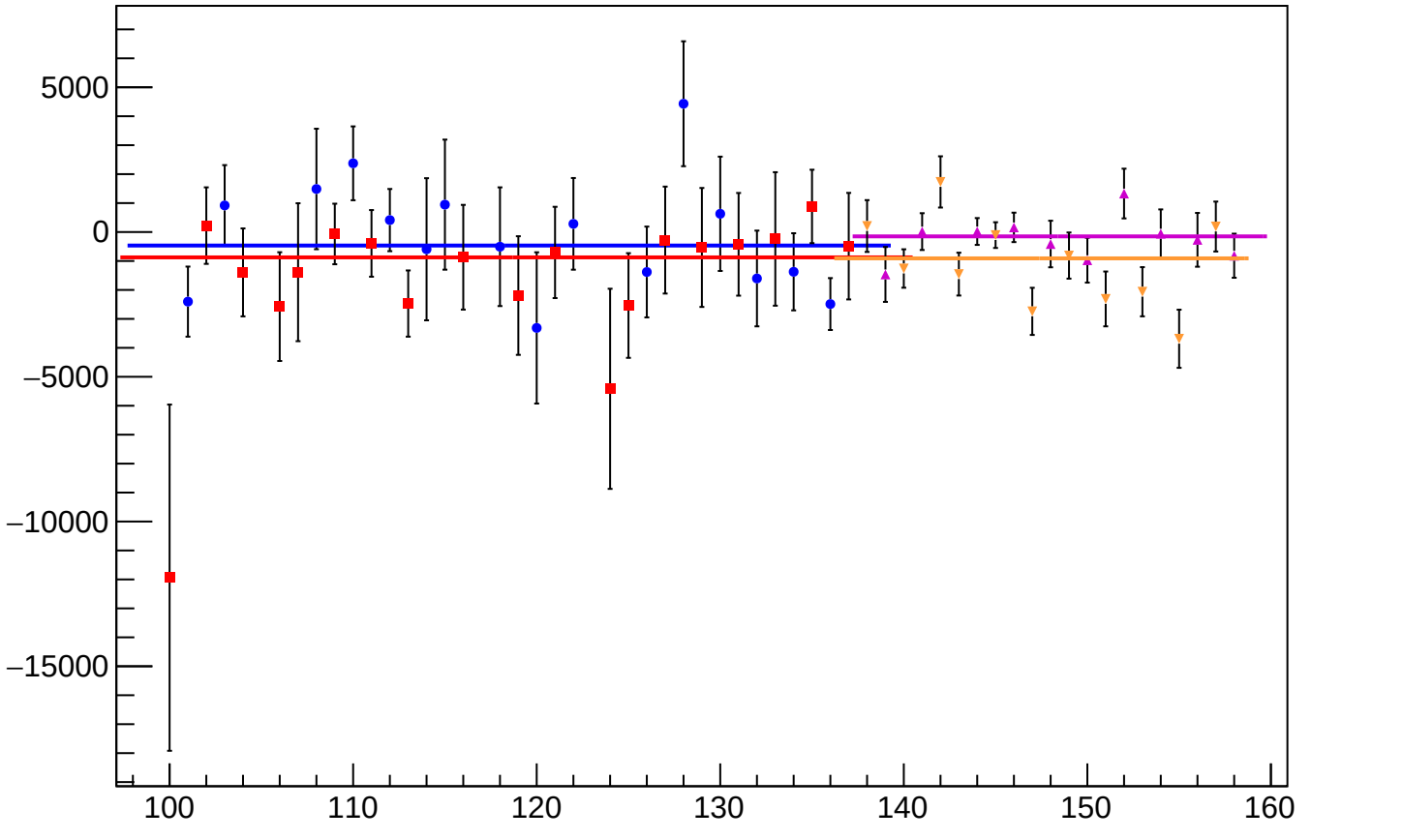
Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 65.779+/-0.016 χ^2/NDF:263866.6/9

+ sign 70.019+/-0.013 χ^2/NDF: 1082814.9/26

All: 69.442+/-0.009 χ^2/NDF: 2380444.1/55

- sign 68.888+/-0.013 χ^2/NDF: 1293627.3/28



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -909.274+/-225.763 χ^2/NDF:32.9/10

Right Out: -875.351+/-372.239 χ^2/NDF: 13.1/18

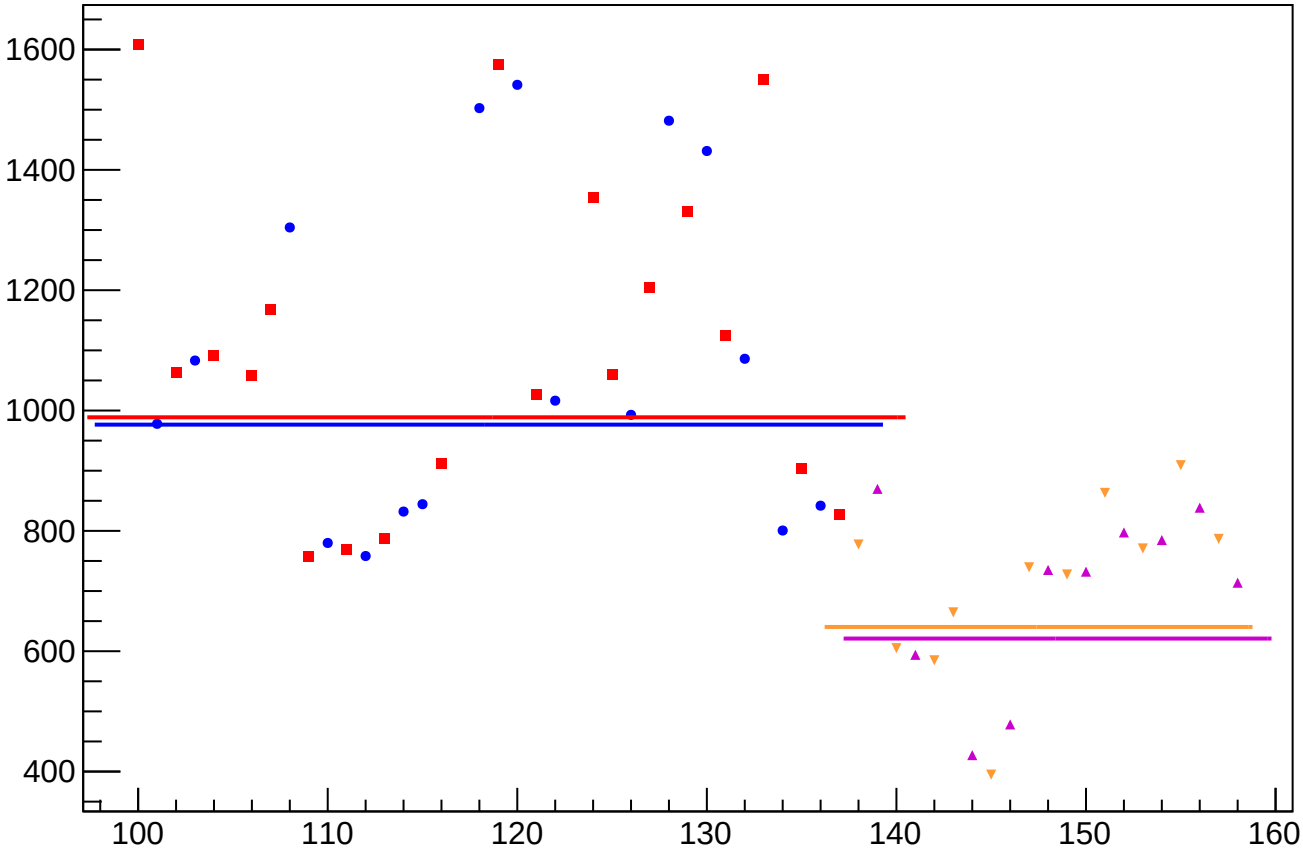
Left In: -150.107+/-218.210 χ^2/NDF:7.5/9

+ sign -791.505+/-193.421 χ^2/NDF: 57.7/26

All: -557.372+/-134.904 χ^2/NDF: 83.9/55

- sign -335.591+/-188.249 χ^2/NDF: 23.4/28

asym_sam_37_avg_reg_correction_rms vs Slug



Right In: 976.583+/-0.265 χ^2/NDF: 736605.1/15

Left Out: 640.298+/-0.160 χ^2/NDF:1086392.8/10

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

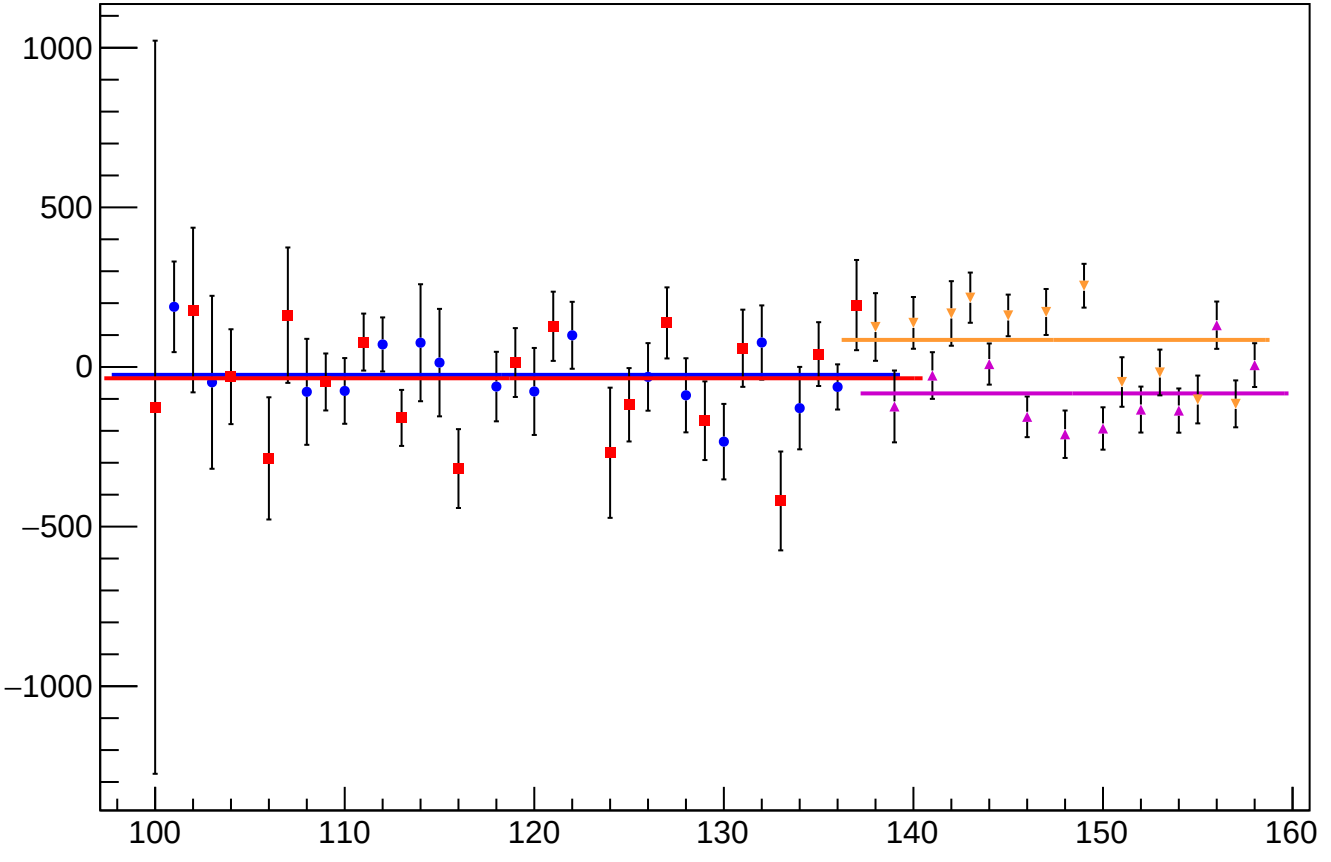
Left In: 621.022+/-0.154 χ^2/NDF:1030677.9/9

+ sign 729.748+/-0.137 χ^2/NDF: 3003351.3/26

All: 722.212+/-0.095 χ^2/NDF: 6208383.6/55

- sign 715.073+/-0.133 χ^2/NDF: 3199120.6/28

cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 84.868+/-23.156 χ^2/NDF:31.6/10

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

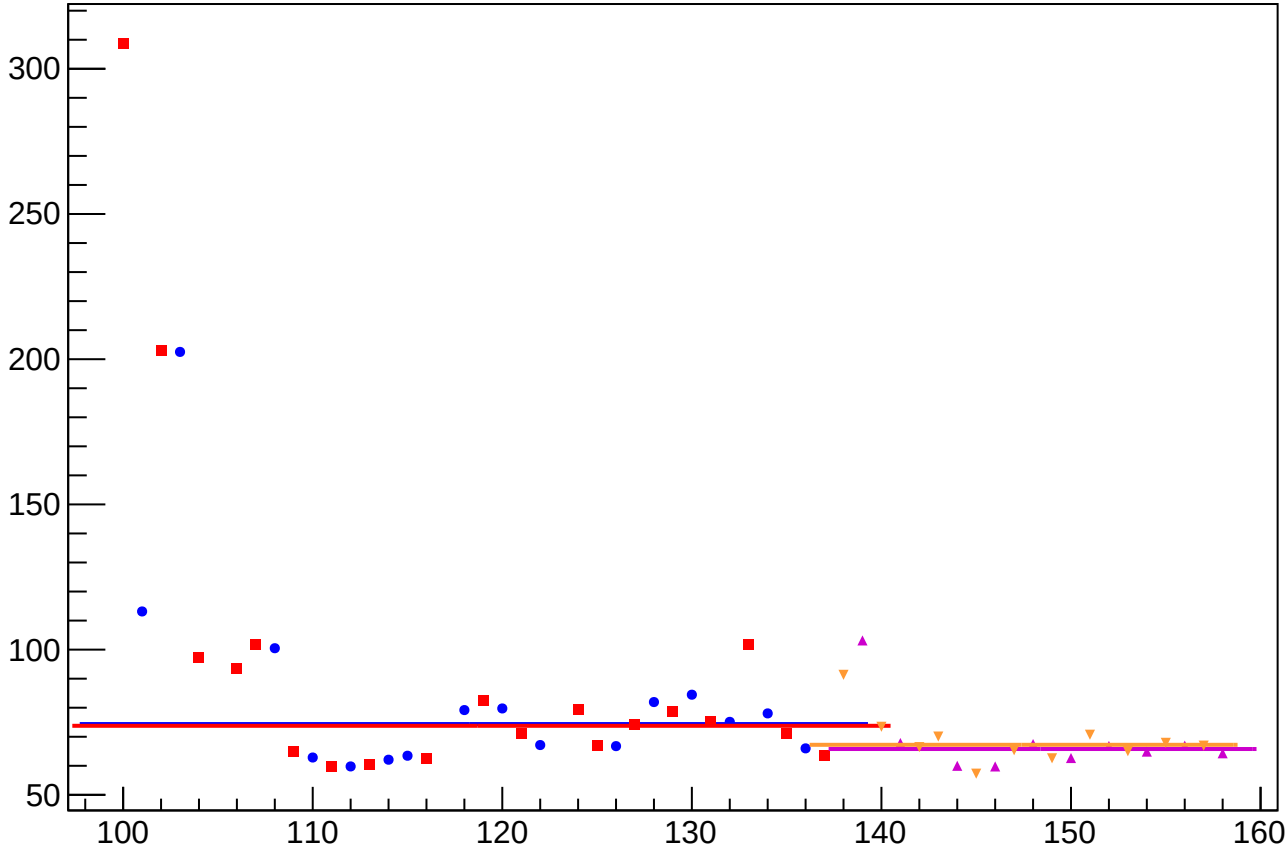
Left In: -82.766+/-22.603 χ^2/NDF:20.9/9

+ sign 42.075+/-18.074 χ^2/NDF: 51.4/26

All: -12.296+/-12.646 χ^2/NDF: 121.7/55

- sign -64.437+/-17.699 χ^2/NDF: 52.6/28

cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 67.229+/-0.016 χ^2/NDF:180929.0/10

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

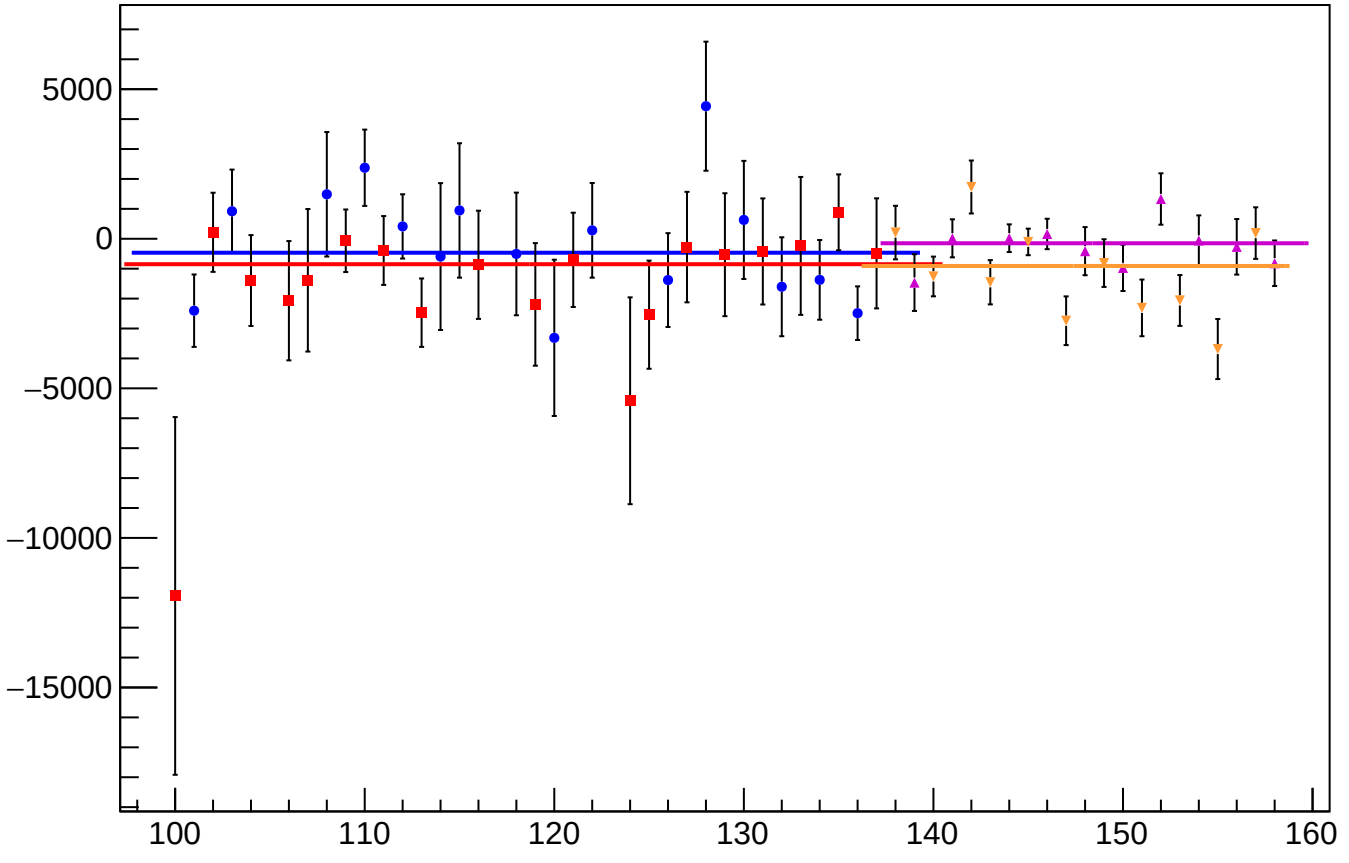
Left In: 65.779+/-0.016 χ^2/NDF:263866.5/9

+ sign 70.019+/-0.013 χ^2/NDF: 1082816.9/26

All: 69.433+/-0.009 χ^2/NDF: 2375750.6/55

- sign 68.871+/-0.013 χ^2/NDF: 1288813.8/28

asym_sam_37_avg_cor_correction_mean vs Slug



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -909.269+/-225.763 χ^2/NDF:32.9/10

Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

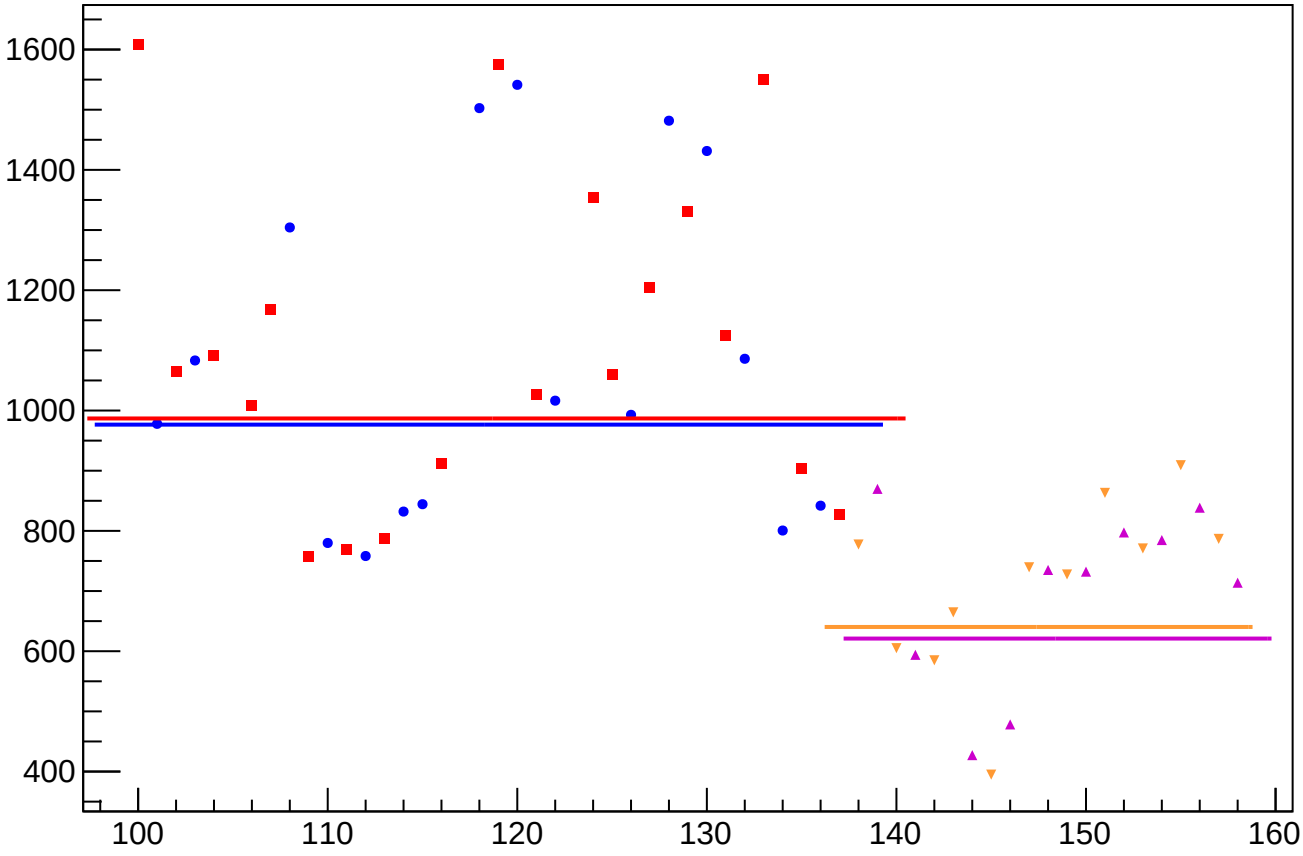
Left In: -150.109+/-218.210 χ^2/NDF:7.5/9

+ sign -791.499+/-193.421 χ^2/NDF: 57.7/26

All: -553.961+/-134.944 χ^2/NDF: 83.3/55

- sign -328.693+/-188.359 χ^2/NDF: 22.7/28

asym_sam_37_avg_cor_correction_rms vs Slug



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 640.297+/-0.160 χ^2/NDF:1086393.2/10

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

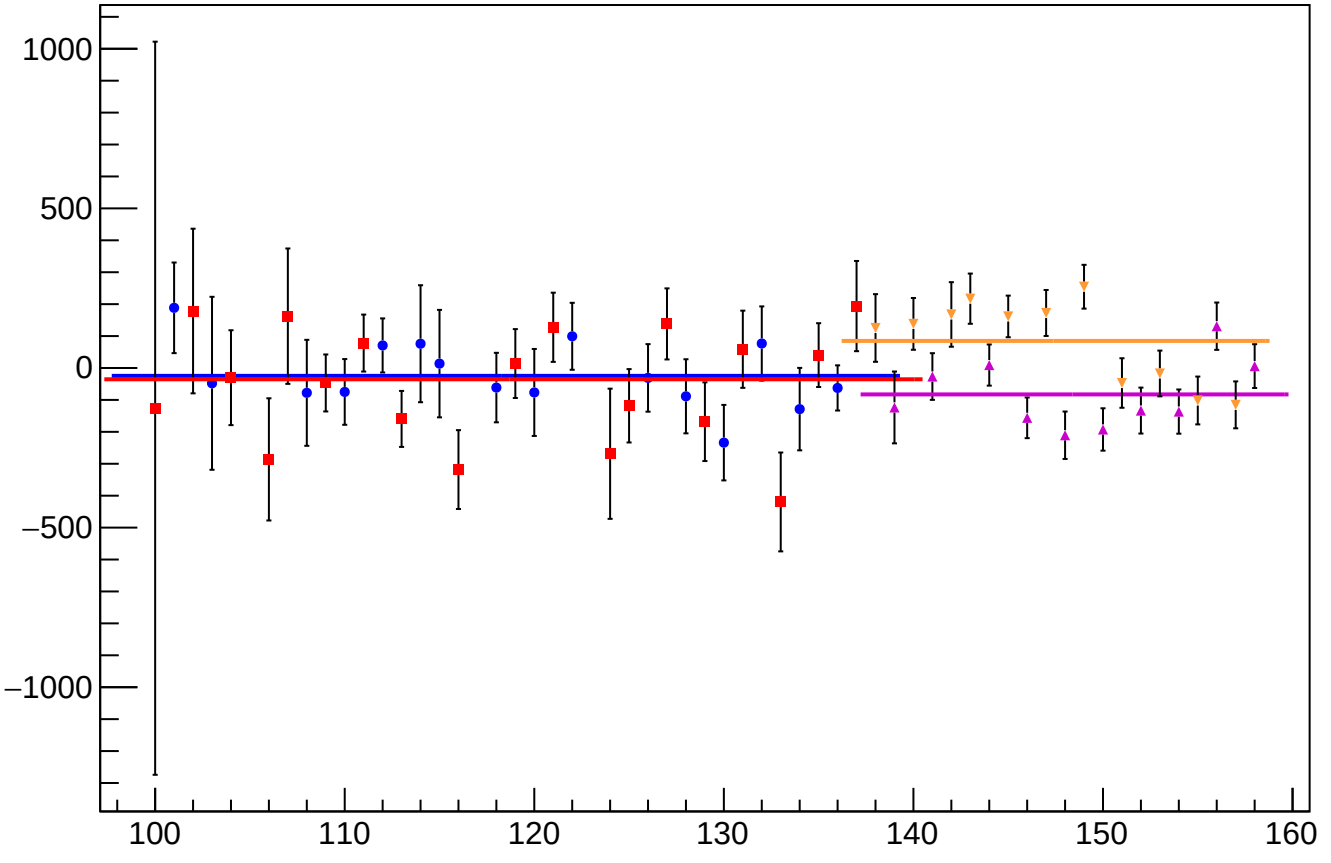
Left In: 621.022+/-0.154 χ^2/NDF:1030678.9/9

+ sign 729.748+/-0.137 χ^2/NDF: 3003405.7/26

All: 721.798+/-0.095 χ^2/NDF: 6186543.2/55

- sign 714.259+/-0.133 χ^2/NDF: 3176554.5/28

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 84.868+/-23.156 χ^2/NDF:31.6/10

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

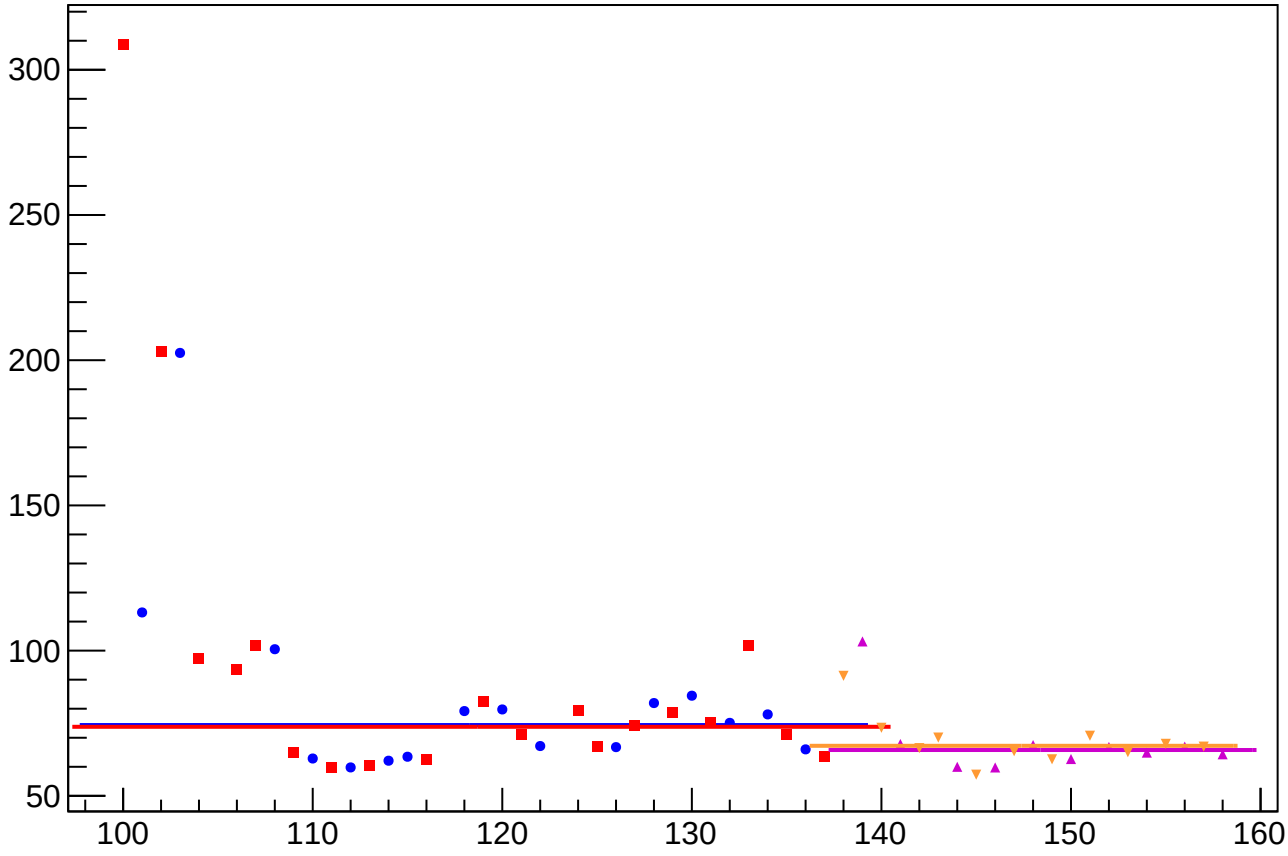
Left In: -82.766+/-22.603 χ^2/NDF:20.9/9

+ sign 42.075+/-18.074 χ^2/NDF: 51.4/26

All: -12.296+/-12.646 χ^2/NDF: 121.7/55

- sign -64.437+/-17.699 χ^2/NDF: 52.6/28

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 67.229+/-0.016 χ^2/NDF:180929.0/10

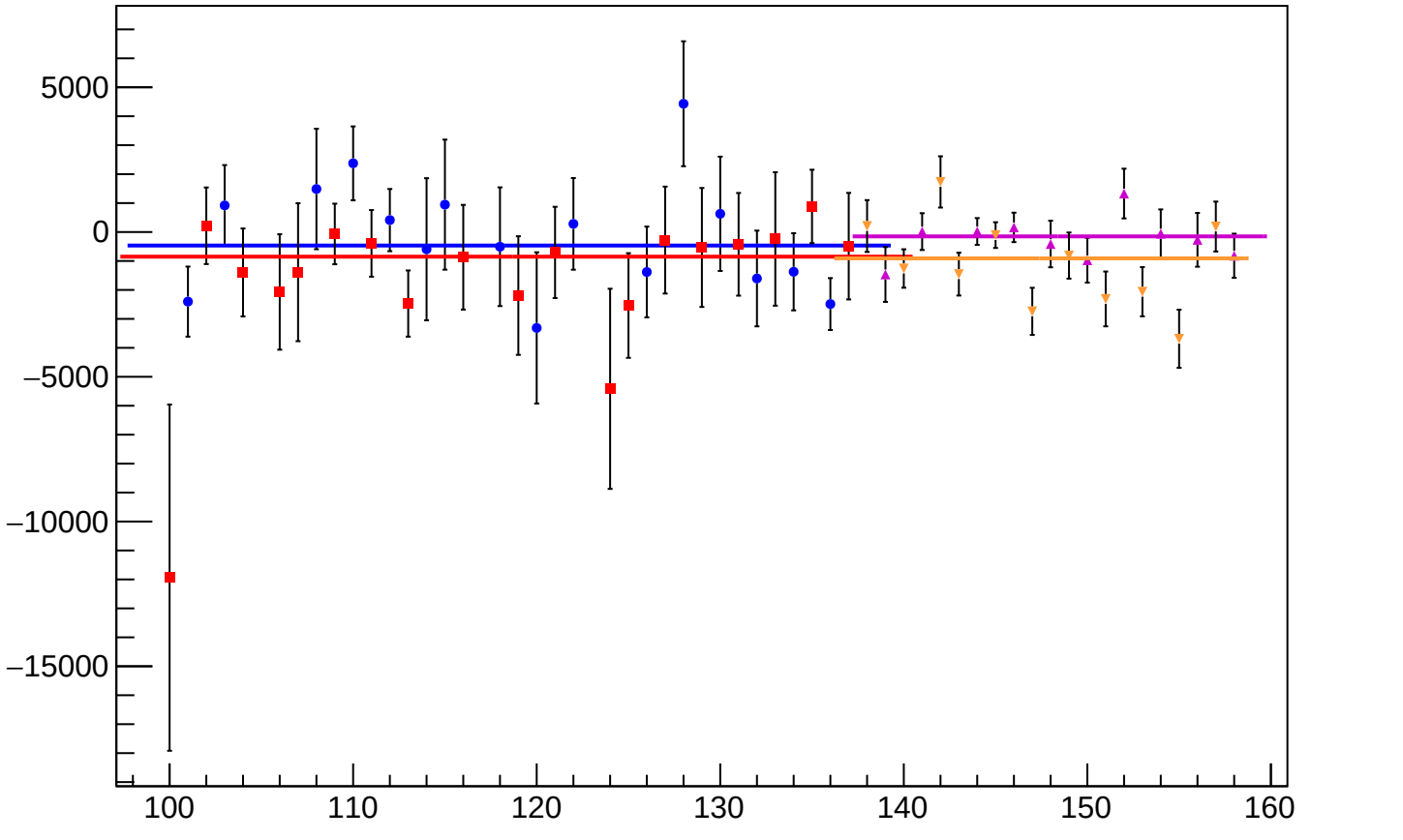
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 65.779+/-0.016 χ^2/NDF:263866.5/9

+ sign 70.019+/-0.013 χ^2/NDF: 1082816.9/26

All: 69.433+/-0.009 χ^2/NDF: 2375750.6/55

- sign 68.871+/-0.013 χ^2/NDF: 1288813.8/28



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -909.269+/-225.763 χ^2/NDF:32.9/10

Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

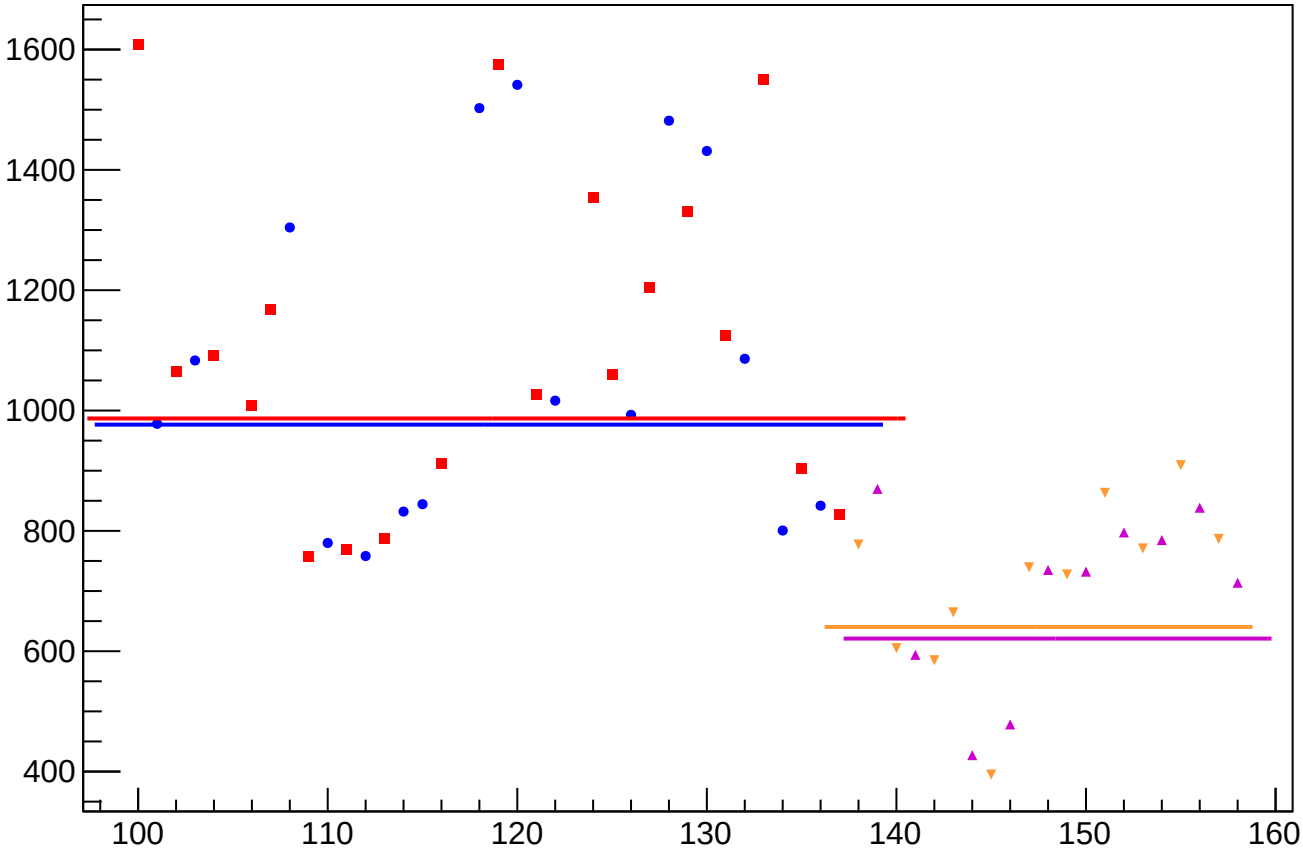
Left In: -150.109+/-218.210 χ^2/NDF:7.5/9

\+ sign -791.499+/-193.421 χ^2/NDF: 57.7/26

All: -553.961+/-134.944 χ^2/NDF: 83.3/55

\- sign -328.693+/-188.359 χ^2/NDF: 22.7/28

asym_sam_37_avg_eigen_cor_correction_rms vs Slug



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 640.297+/-0.160 χ^2/NDF:1086393.2/10

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

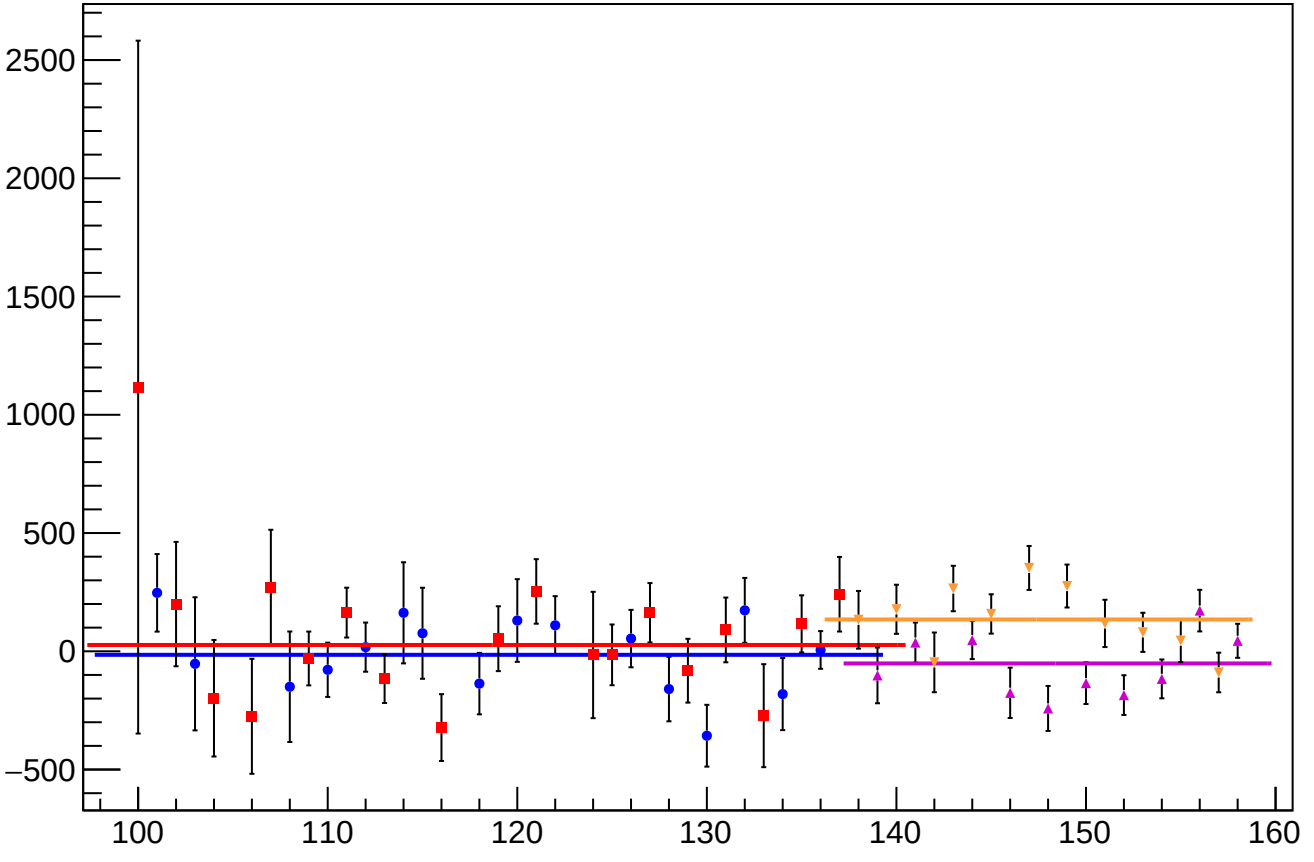
Left In: 621.022+/-0.154 χ^2/NDF:1030678.9/9

+ sign 729.748+/-0.137 χ^2/NDF: 3003405.7/26

All: 721.798+/-0.095 χ^2/NDF: 6186543.2/55

- sign 714.259+/-0.133 χ^2/NDF: 3176554.5/28

dit_asym_sam_37_avg_mean vs Slug



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 134.580+/-28.594 χ^2/NDF:20.7/10

Right Out: 26.654+/-34.073 χ^2/NDF: 23.6/18

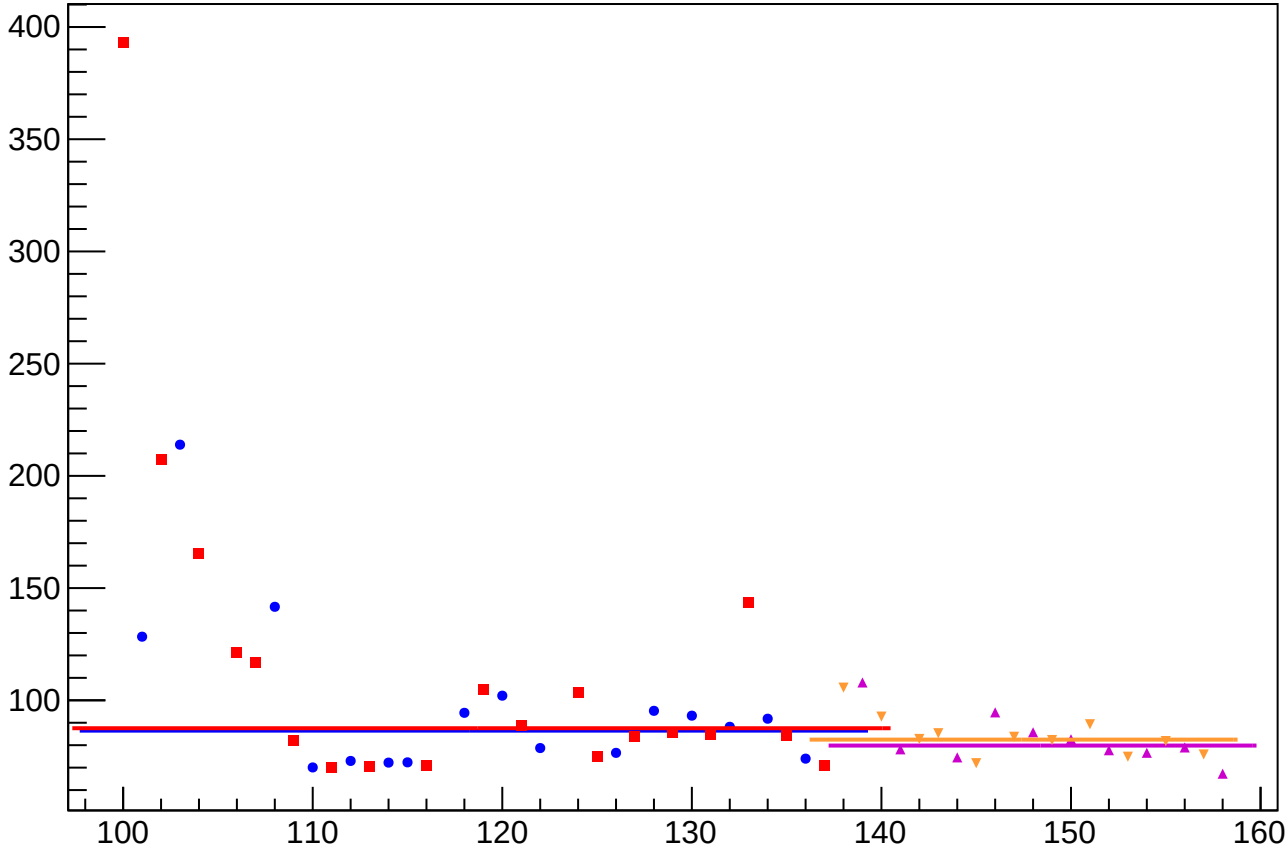
Left In: -51.388+/-27.678 χ^2/NDF:20.4/9

+ sign 72.119+/-21.820 χ^2/NDF: 50.4/26

All: 25.160+/-15.309 χ^2/NDF: 106.7/55

- sign -20.363+/-21.483 χ^2/NDF: 47.2/28

dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 82.479+/-0.020 χ^2/NDF:164687.1/10

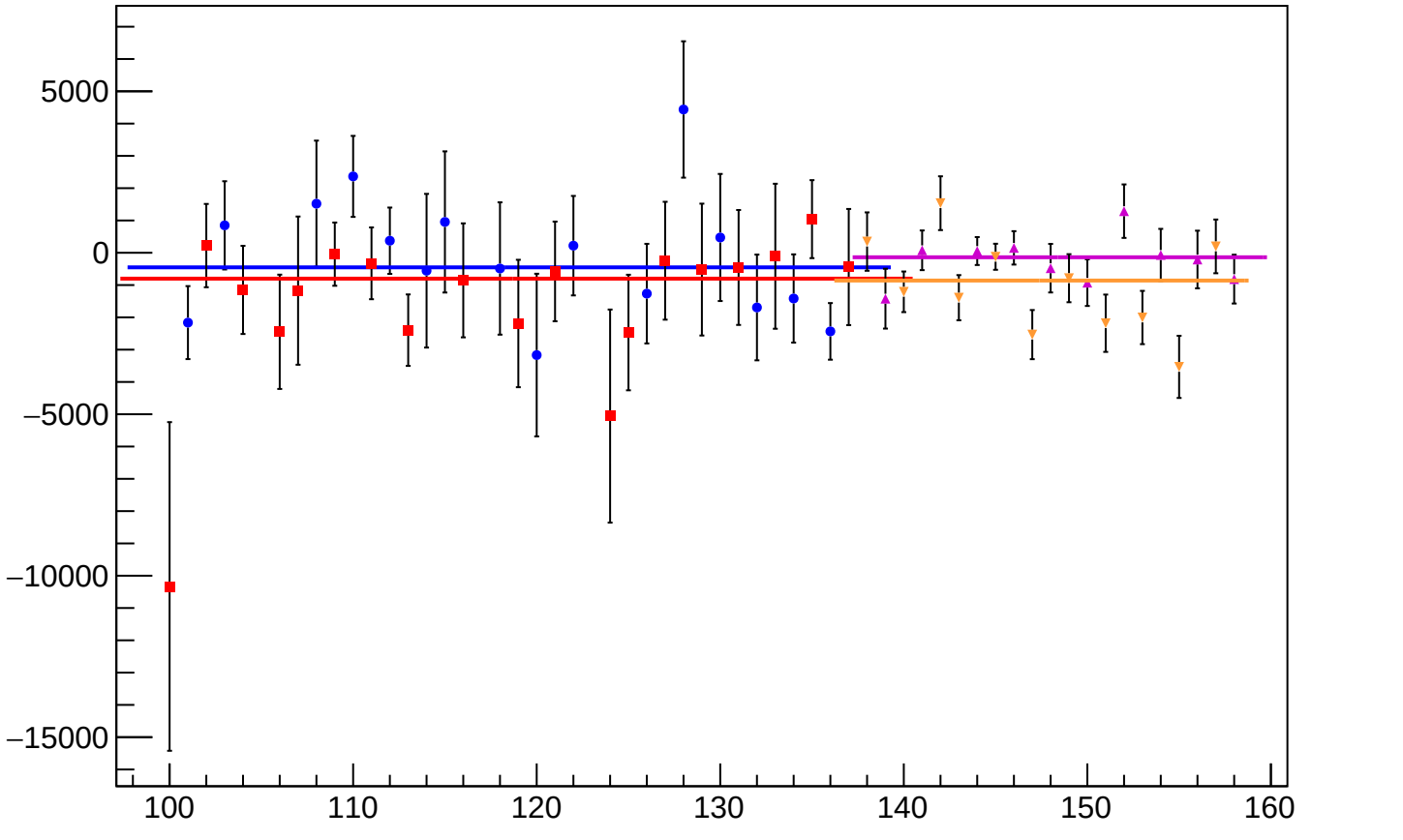
Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 79.833+/-0.020 χ^2/NDF:236560.8/9

+ sign 84.154+/-0.015 χ^2/NDF: 1037374.1/26

All: 83.519+/-0.011 χ^2/NDF: 2468944.7/55

- sign 82.903+/-0.015 χ^2/NDF: 1428231.1/28



Right In: -451.380+/-365.605 χ^2/NDF: 23.7/15

Left Out: -859.693+/-212.270 χ^2/NDF:32.6/10

Right Out: -801.206+/-357.866 χ^2/NDF: 13.6/18

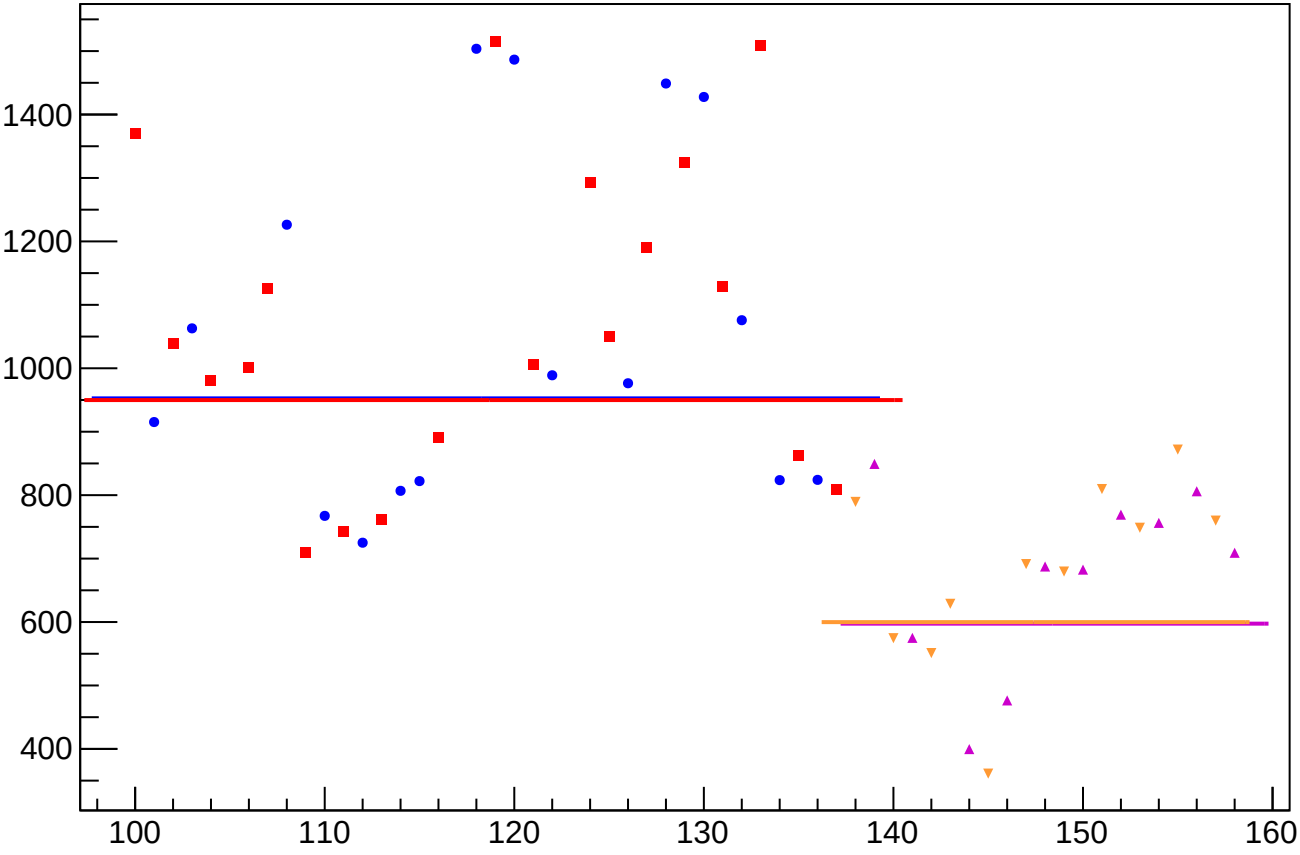
Left In: -139.025+/-210.396 χ^2/NDF:7.7/9

+ sign -756.753+/-183.572 χ^2/NDF: 57.2/26

All: -530.236+/-129.020 χ^2/NDF: 84.2/55

- sign -309.115+/-181.373 χ^2/NDF: 23.9/28

asym_sam_37_avg_dit_correction_rms vs Slug



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 599.853+/-0.150 χ^2/NDF:1265414.9/10

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

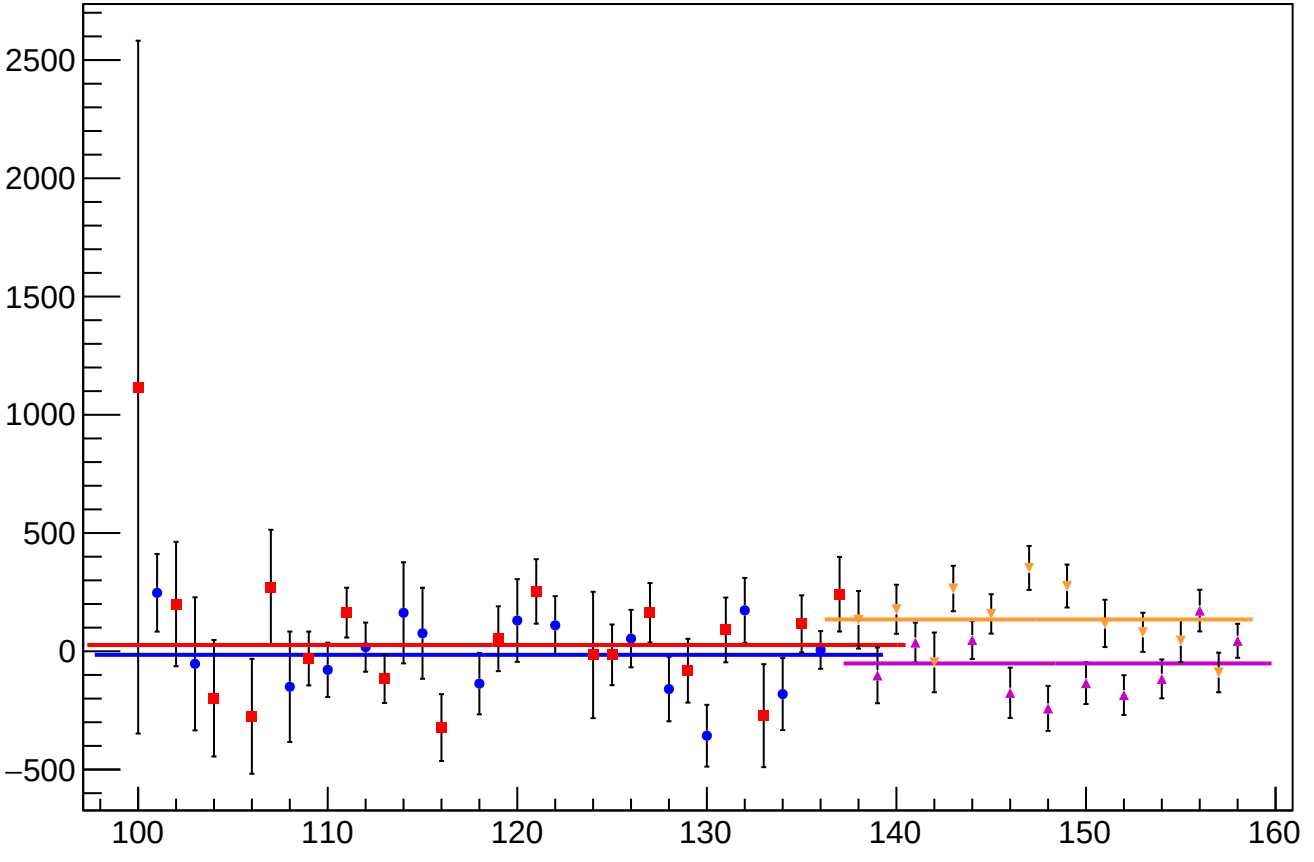
Left In: 597.443+/-0.149 χ^2/NDF:1050878.2/9

\+ sign 688.771+/-0.130 χ^2/NDF: 3403794.0/26

All: 688.368+/-0.091 χ^2/NDF: 6647979.0/55

\- sign 687.974+/-0.128 χ^2/NDF: 3244166.0/28

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 134.582+/-28.594 χ^2/NDF:20.7/10

Right Out: 26.658+/-34.073 χ^2/NDF: 23.6/18

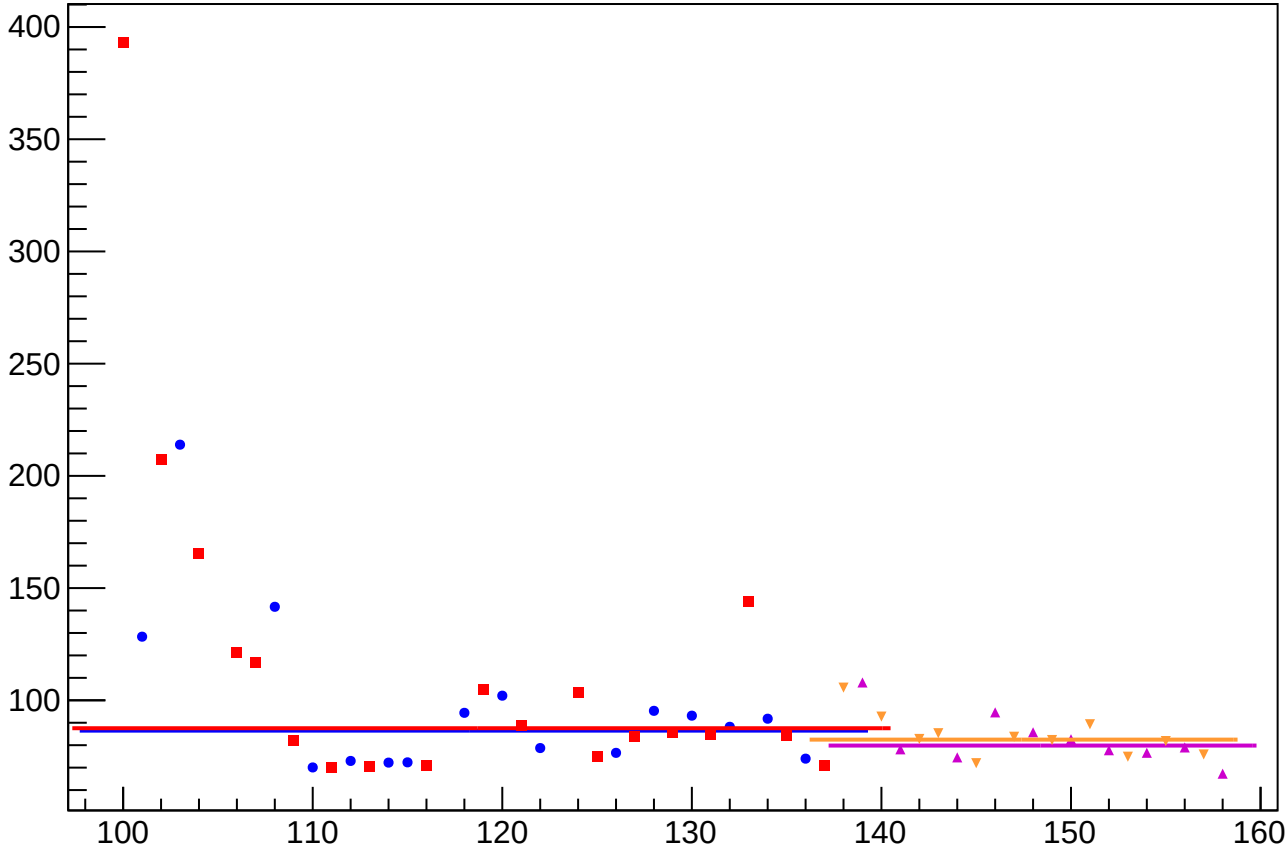
Left In: -51.388+/-27.678 χ^2/NDF:20.4/9

+ sign 72.120+/-21.820 χ^2/NDF: 50.4/26

All: 25.161+/-15.309 χ^2/NDF: 106.7/55

- sign -20.361+/-21.483 χ^2/NDF: 47.2/28

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF: 856249.6/15

Left Out: 82.480+/-0.020 χ^2/NDF:164684.3/10

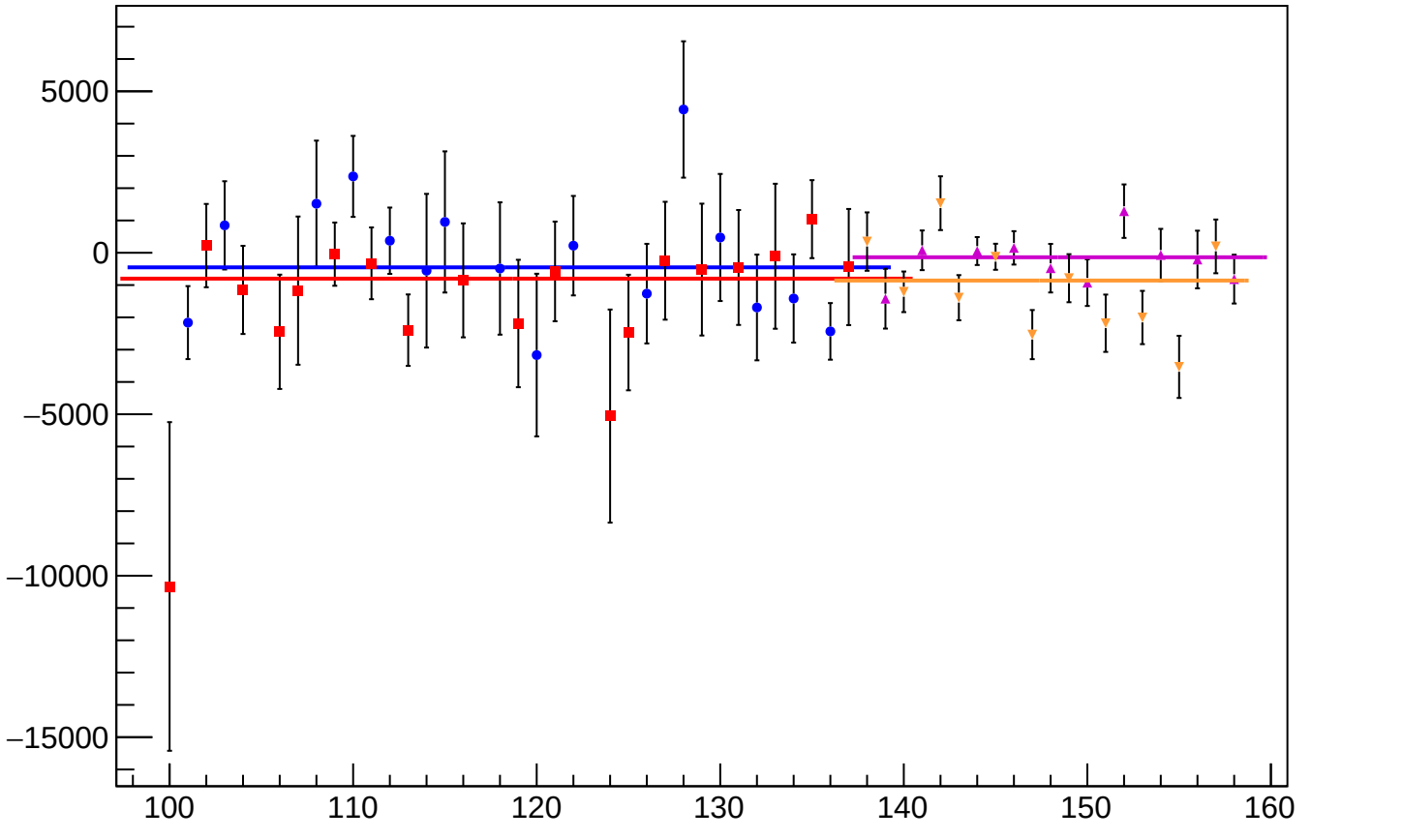
Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 79.834+/-0.020 χ^2/NDF:236560.0/9

+ sign 84.155+/-0.015 χ^2/NDF: 1037361.7/26

All: 83.519+/-0.011 χ^2/NDF: 2468930.8/55

- sign 82.903+/-0.015 χ^2/NDF: 1428229.3/28



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: -859.694+/-212.269 χ^2/NDF:32.6/10

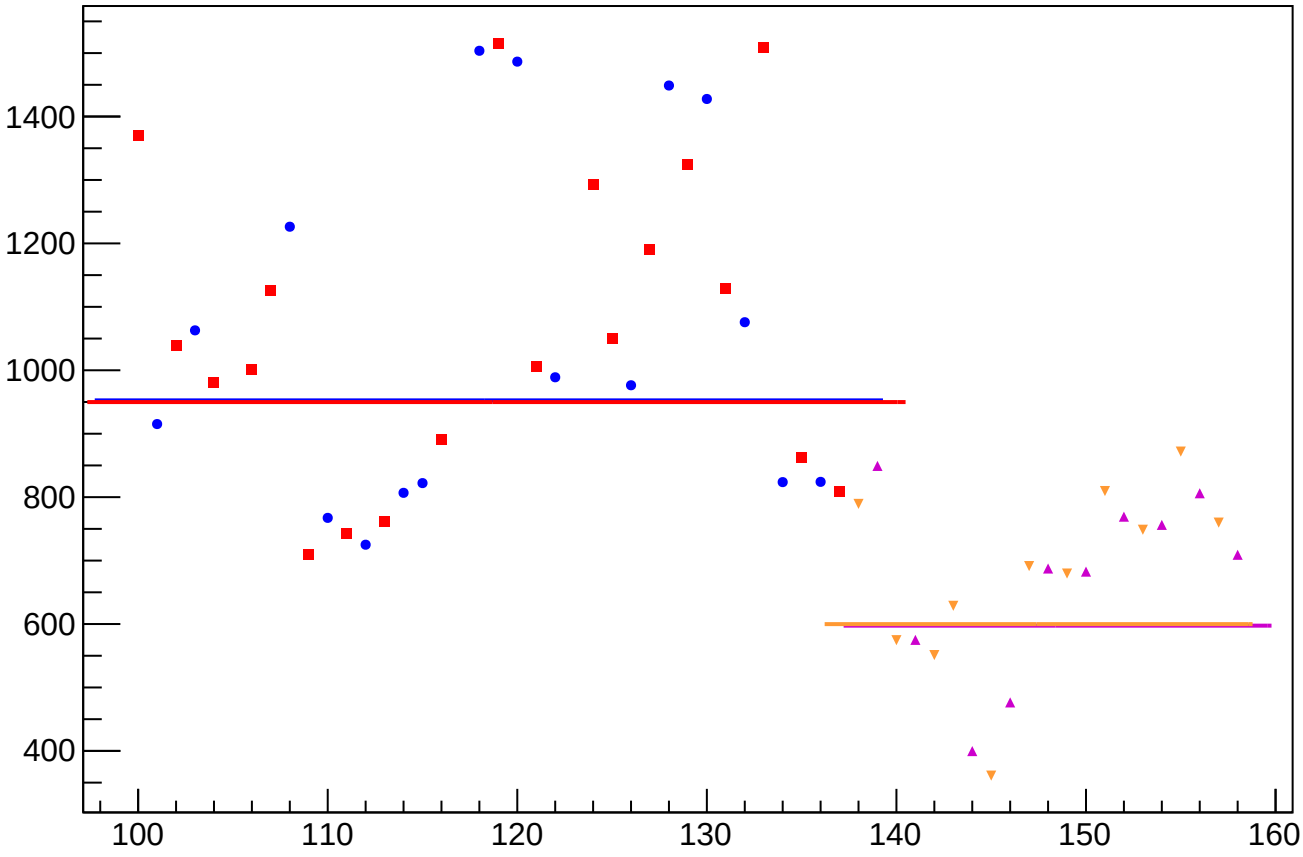
Right Out: -801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: -139.024+/-210.396 χ^2/NDF:7.7/9

+ sign -756.753+/-183.572 χ^2/NDF: 57.2/26

All: -530.236+/-129.020 χ^2/NDF: 84.2/55

- sign -309.115+/-181.372 χ^2/NDF: 23.9/28



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 599.852+/-0.150 χ^2/NDF:1265416.1/10

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

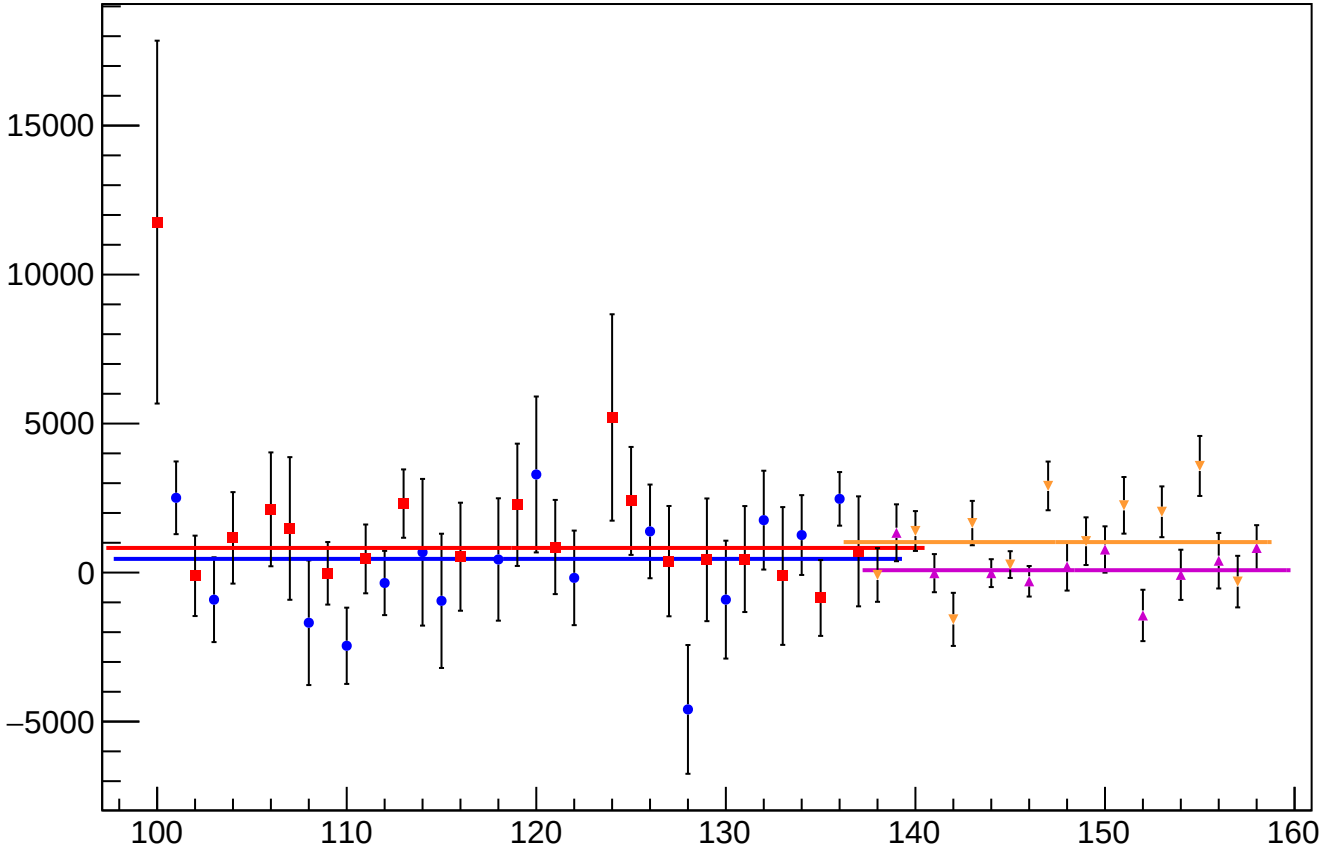
Left In: 597.443+/-0.149 χ^2/NDF:1050877.7/9

+ sign 688.770+/-0.130 χ^2/NDF: 3403794.1/26

All: 688.367+/-0.091 χ^2/NDF: 6647972.9/55

- sign 687.974+/-0.128 χ^2/NDF: 3244159.7/28

asym_sam_37_avg_mean vs Slug



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 1022.961+/-227.269 χ^2/NDF:31.1/10

Right Out: 826.531+/-374.244 χ^2/NDF: 11.7/18

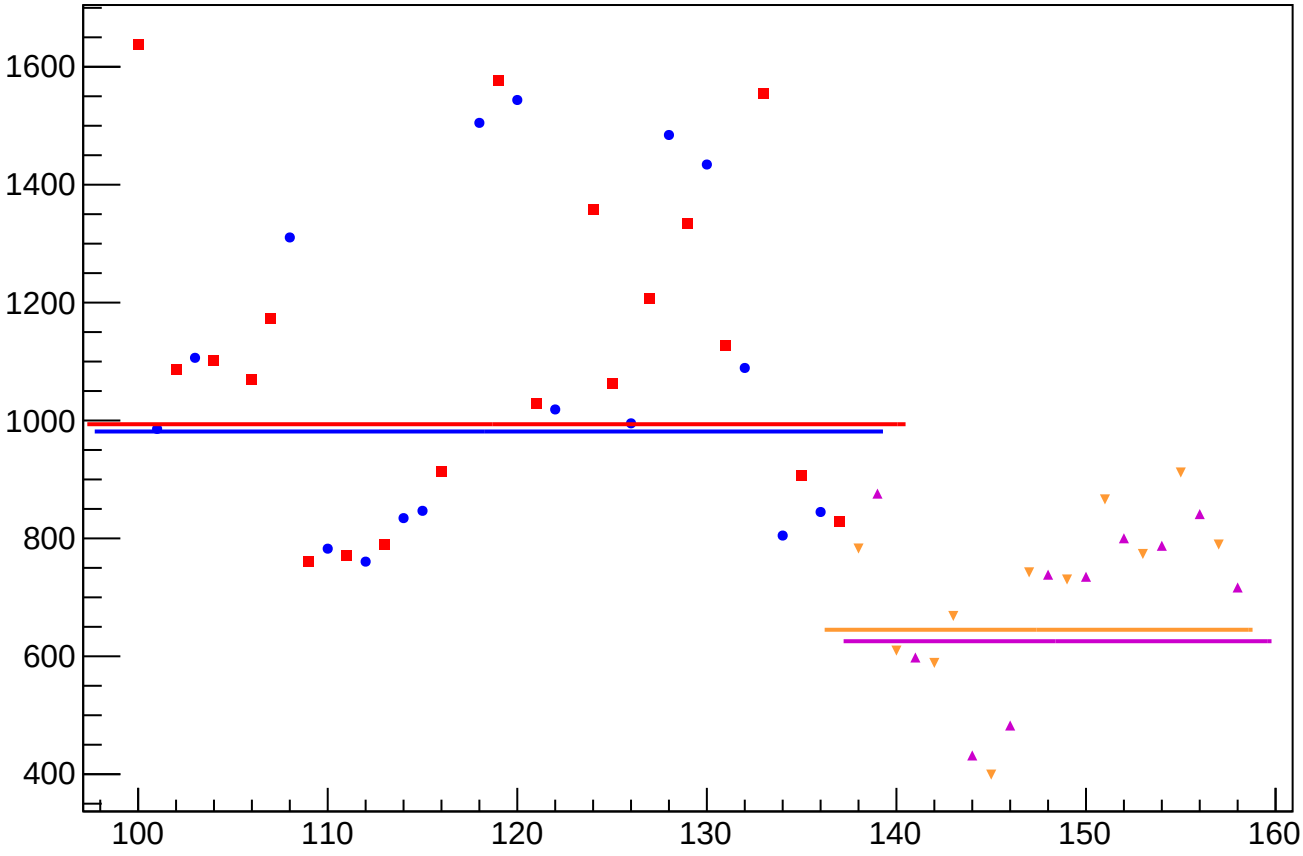
Left In: 79.452+/-219.670 χ^2/NDF:7.4/9

+ sign 872.602+/-194.620 χ^2/NDF: 57.3/26

All: 563.640+/-135.751 χ^2/NDF: 84.2/55

- sign 270.890+/-189.446 χ^2/NDF: 22.0/28

asym_sam_37_avg_rms vs Slug



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 645.022+/-0.161 χ^2/NDF:1062561.3/10

Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

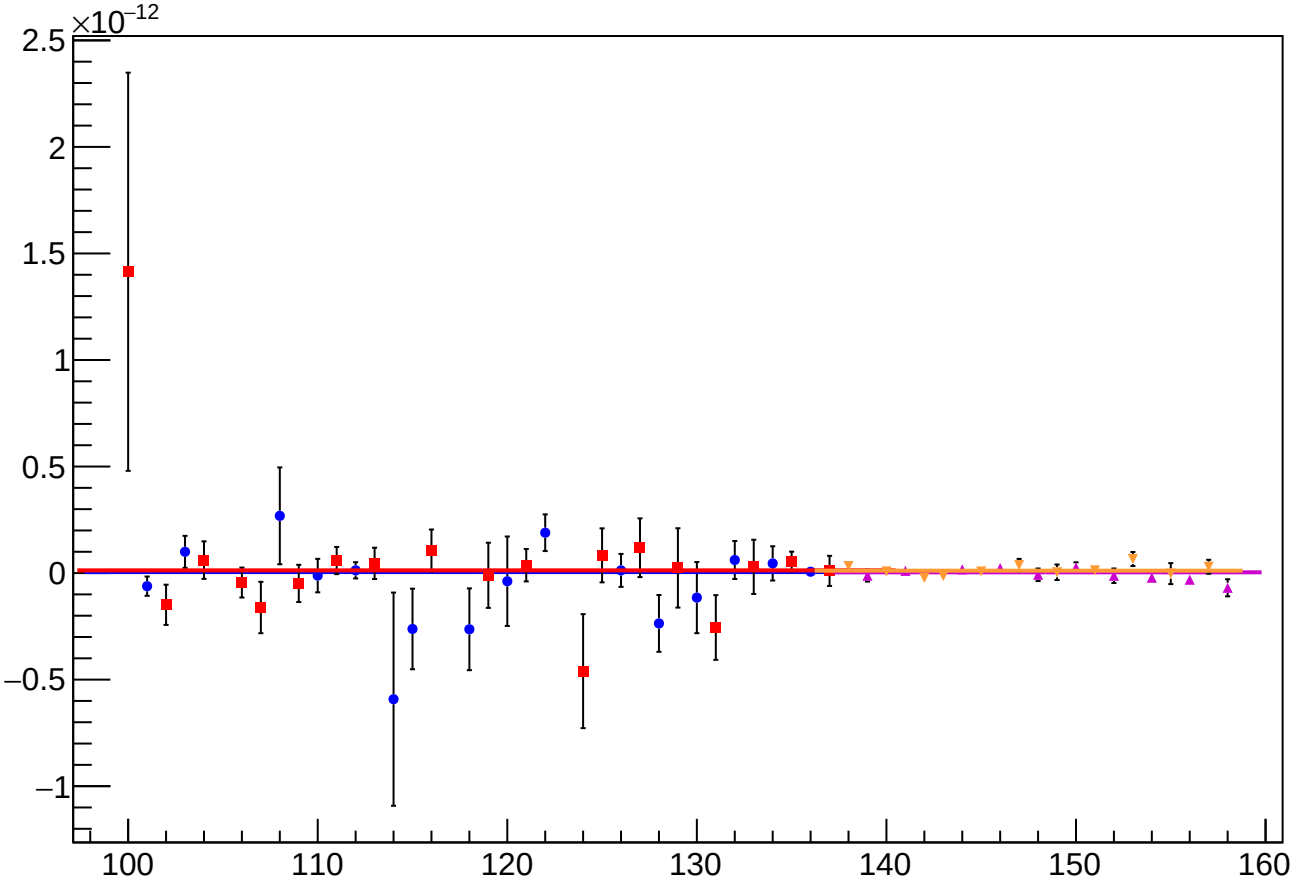
Left In: 625.585+/-0.155 χ^2/NDF:1010459.0/9

+ sign 734.713+/-0.138 χ^2/NDF: 2968228.4/26

All: 727.112+/-0.096 χ^2/NDF: 6143485.8/55

- sign 719.910+/-0.134 χ^2/NDF: 3169316.3/28

asym_sam_37_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.5/10

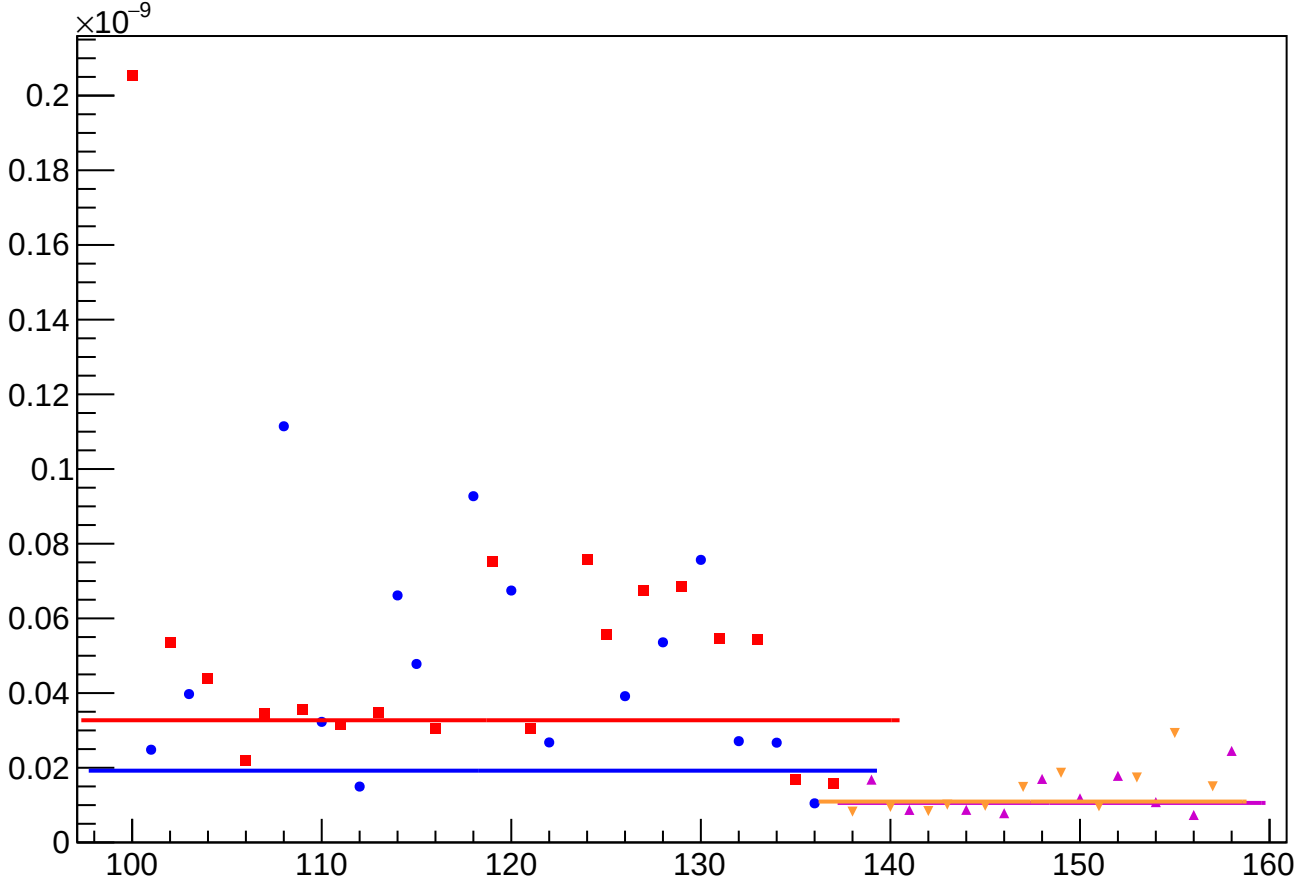
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:11.2/9

+ sign 0.000+/-0.000 χ^2/NDF: 29.4/26

All: 0.000+/-0.000 χ^2/NDF: 59.6/55

- sign 0.000+/-0.000 χ^2/NDF: 29.8/28



Right In: 0.000+/-0.000 χ^2/NDF: 1977908.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:617057.5/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1181327.3/18

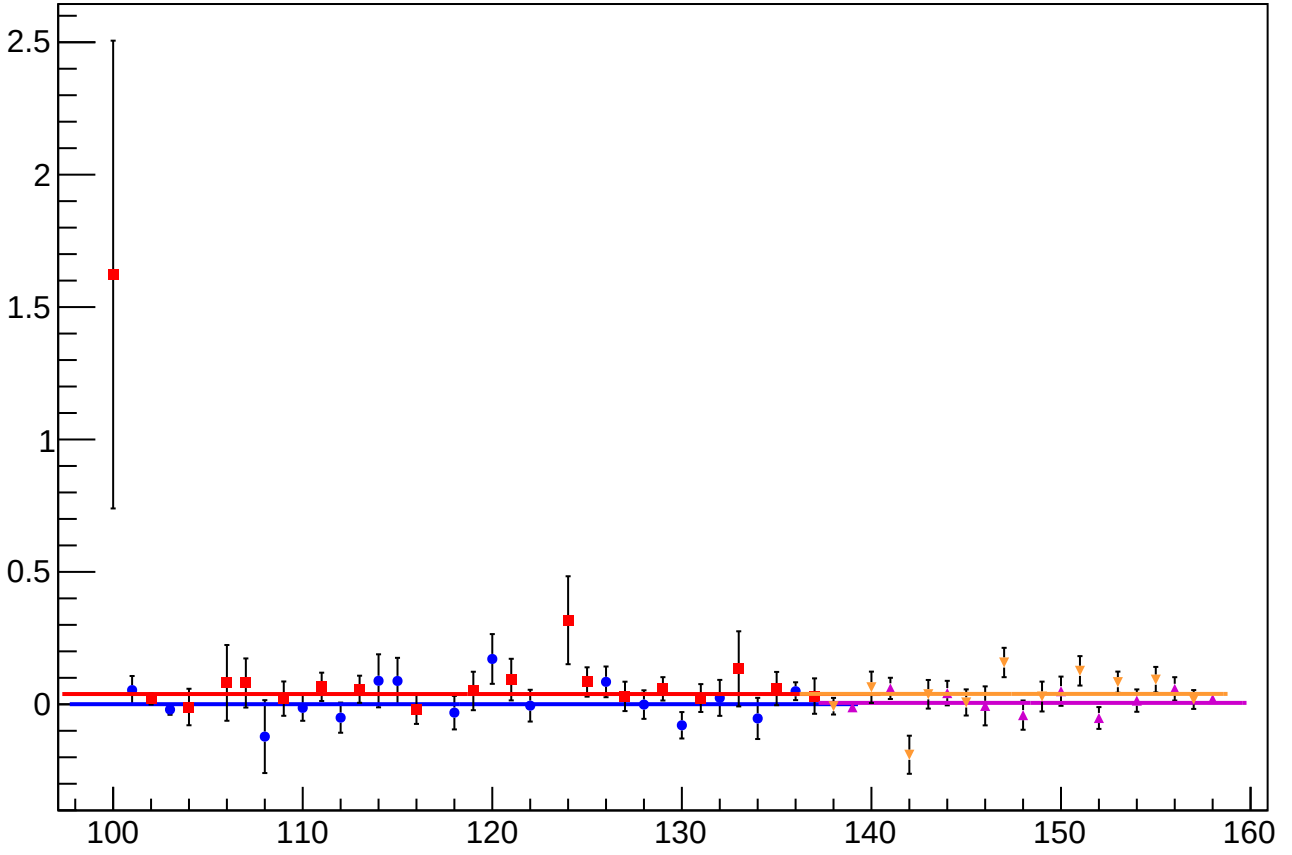
Left In: 0.000+/-0.000 χ^2/NDF:695879.5/9

+ sign 0.000+/-0.000 χ^2/NDF: 3131016.3/26

All: 0.000+/-0.000 χ^2/NDF: 7067729.0/55

- sign 0.000+/-0.000 χ^2/NDF: 3935034.6/28

asym_sam_37_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.039+/-0.014 χ^2/NDF:22.9/10

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

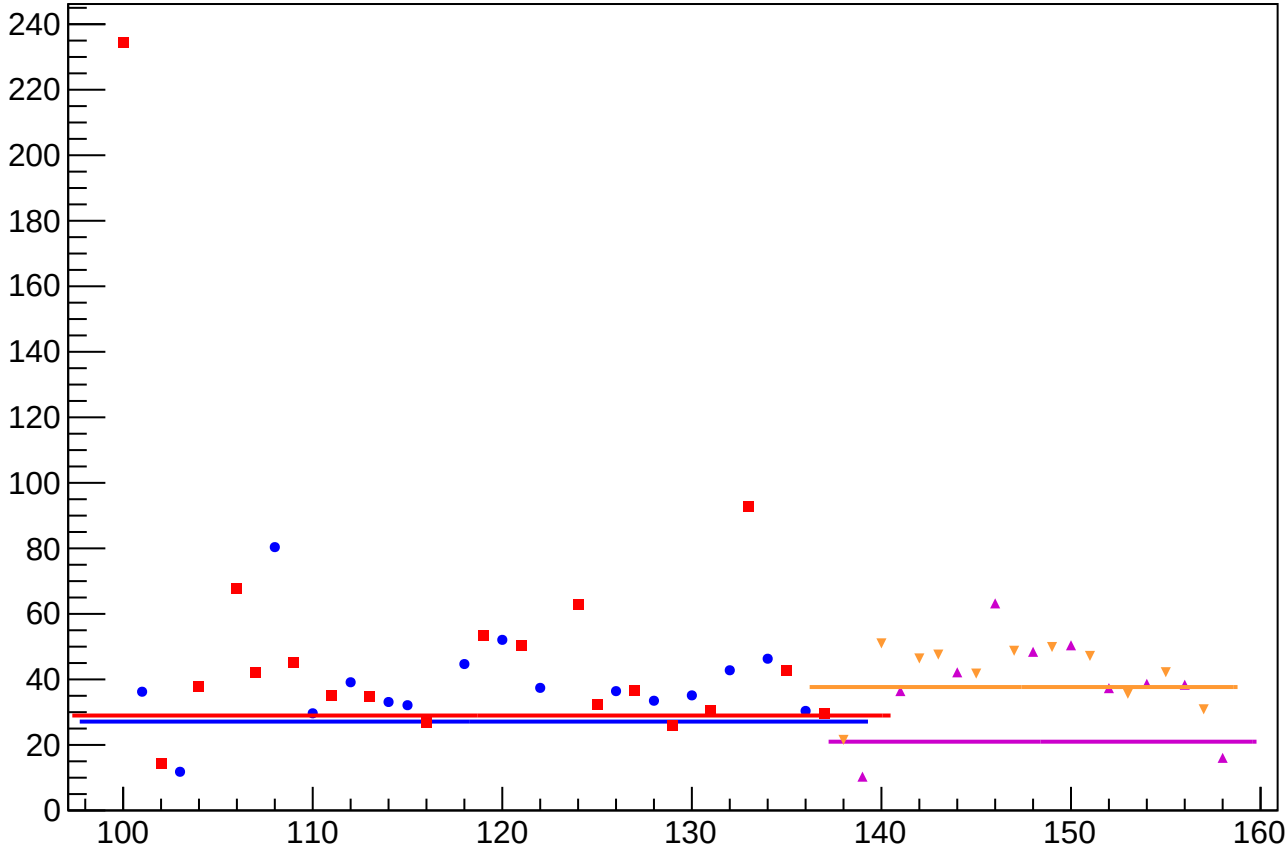
Left In: 0.005+/-0.009 χ^2/NDF:9.4/9

+ sign 0.017+/-0.009 χ^2/NDF: 43.8/26

All: 0.017+/-0.006 χ^2/NDF: 68.9/55

- sign 0.017+/-0.007 χ^2/NDF: 25.1/28

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 37.671+/-0.010 χ^2/NDF:1068660.8/10

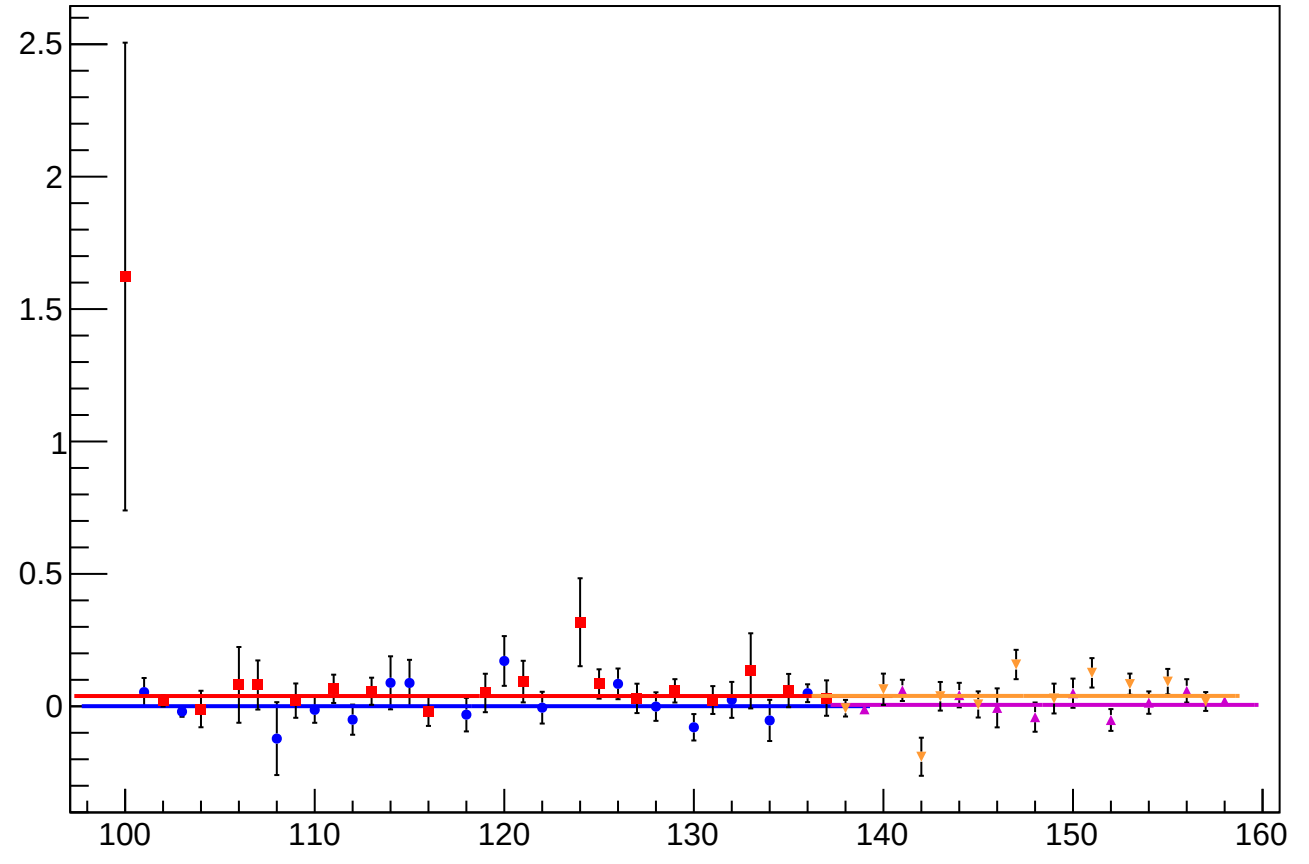
Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 20.990+/-0.006 χ^2/NDF:4826145.2/9

+ sign 31.586+/-0.006 χ^2/NDF: 4133257.3/26

All: 26.792+/-0.004 χ^2/NDF: 12850444.4/55

- sign 23.693+/-0.005 χ^2/NDF: 7811334.0/28



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.039+/-0.014 χ^2/NDF:22.9/10

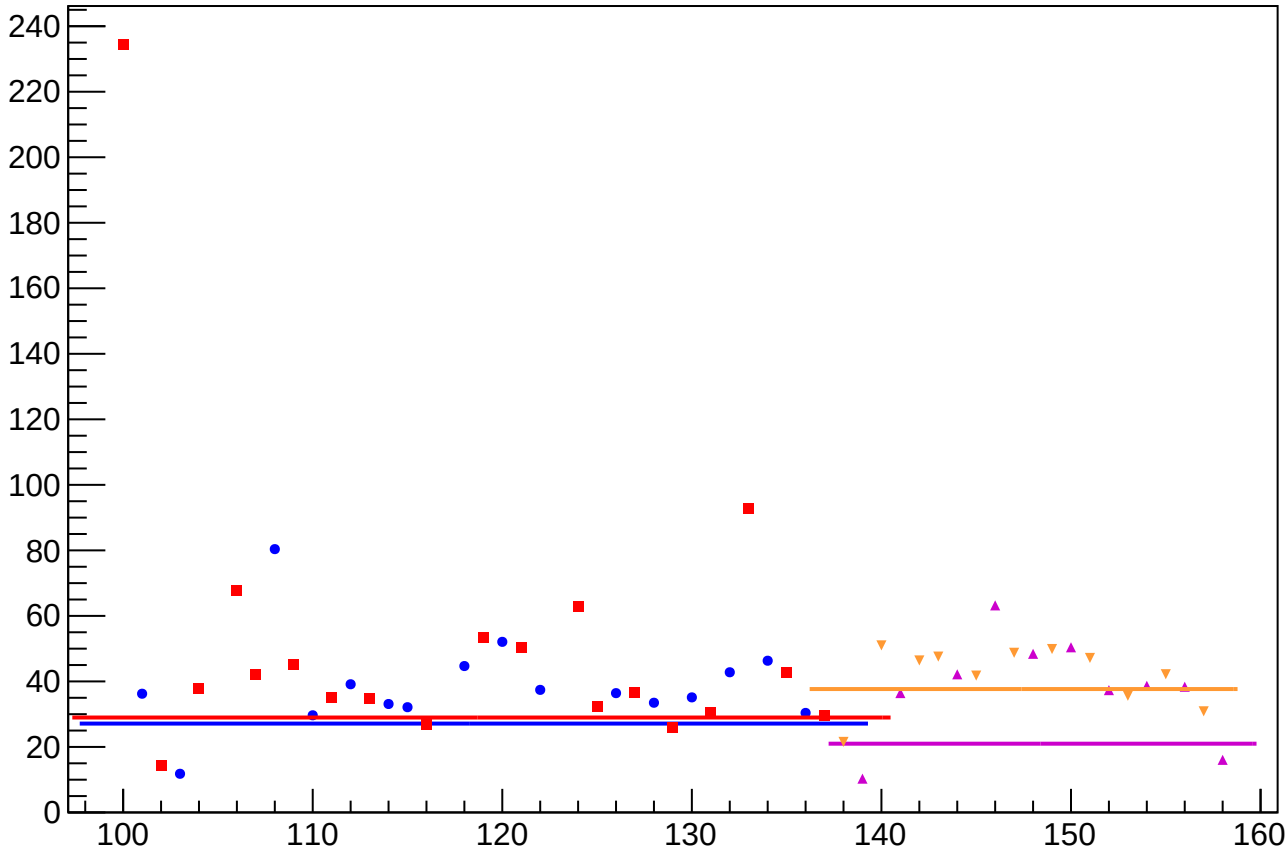
Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.005+/-0.009 χ^2/NDF:9.4/9

+ sign 0.017+/-0.009 χ^2/NDF: 43.8/26

All: 0.017+/-0.006 χ^2/NDF: 68.9/55

- sign 0.017+/-0.007 χ^2/NDF: 25.1/28



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 37.671+/-0.010 χ^2/NDF:1068660.8/10

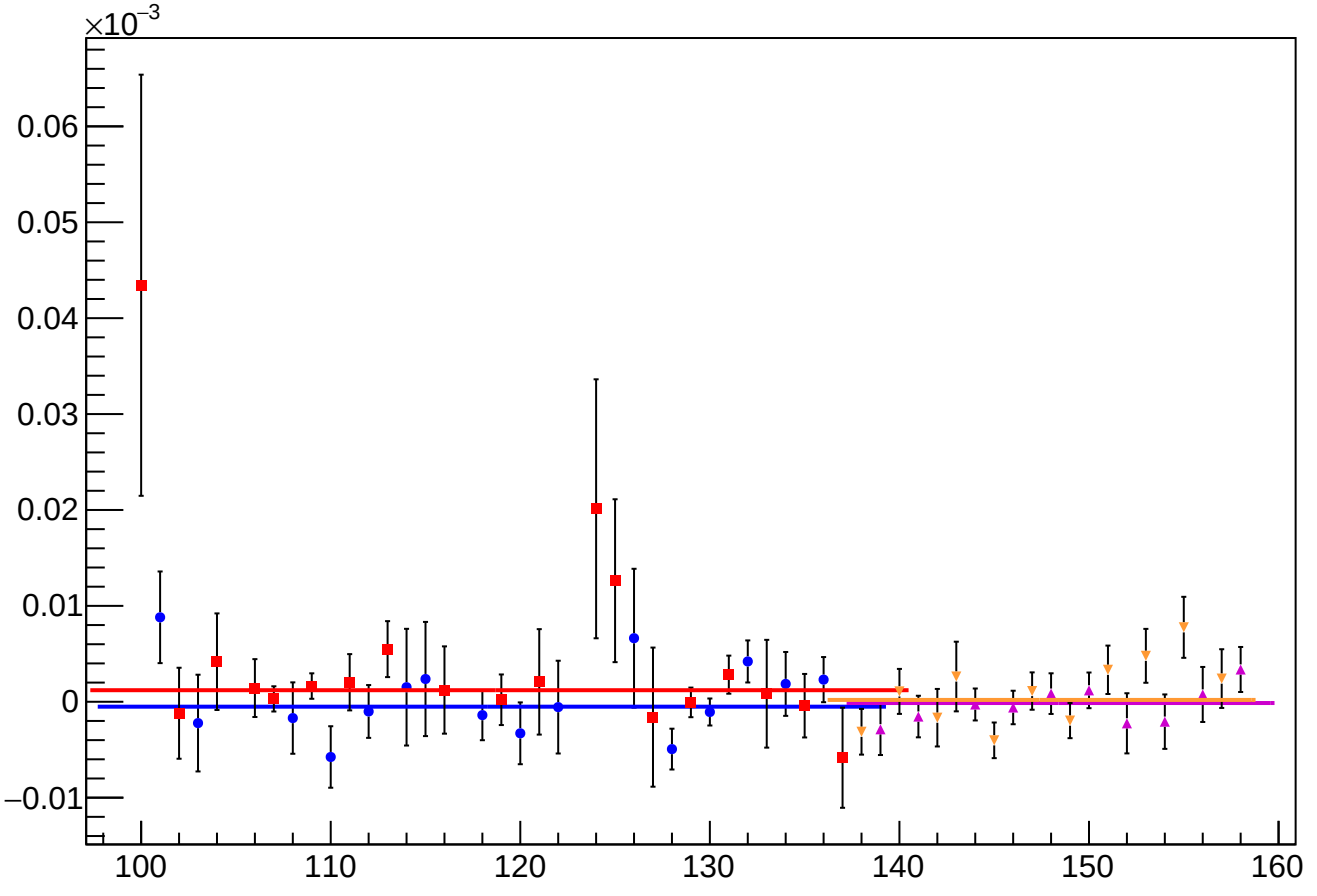
Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 20.990+/-0.006 χ^2/NDF:4826145.2/9

+ sign 31.586+/-0.006 χ^2/NDF: 4133257.3/26

All: 26.792+/-0.004 χ^2/NDF: 12850444.4/55

- sign 23.693+/-0.005 χ^2/NDF: 7811334.0/28



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.1/10

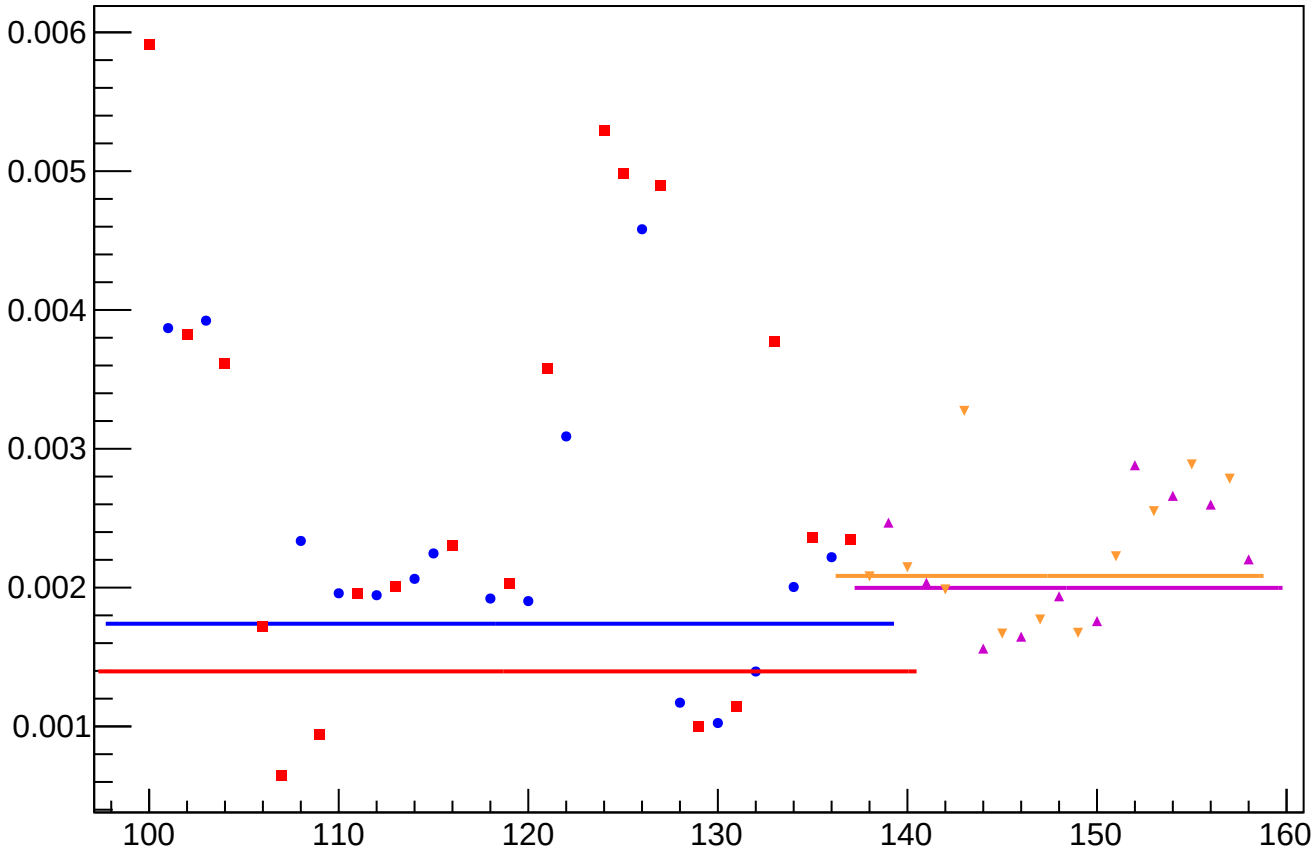
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:5.5/9

+ sign -0.000+/-0.000 χ^2/NDF: 40.5/26

All: 0.000+/-0.000 χ^2/NDF: 64.0/55

- sign 0.000+/-0.000 χ^2/NDF: 22.2/28



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:763300.1/10

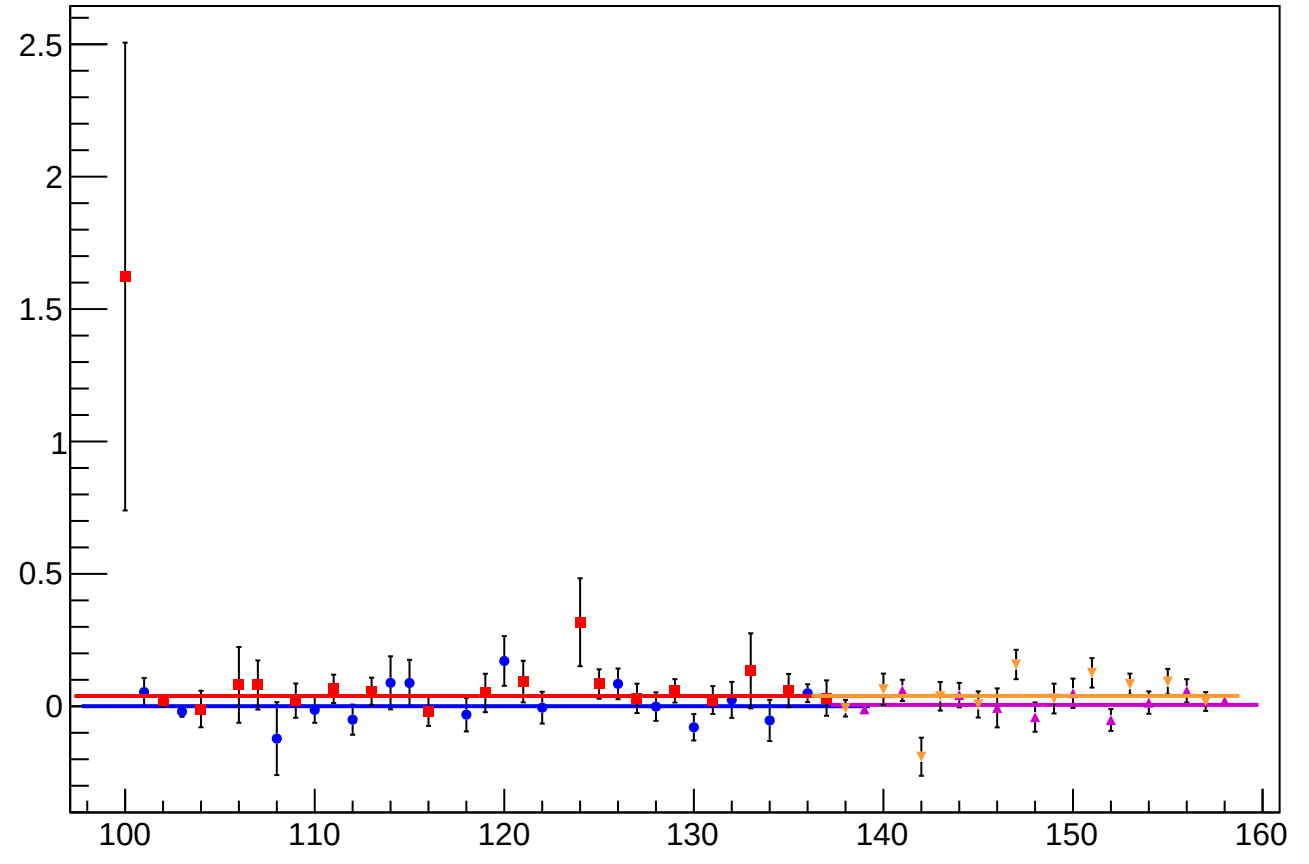
Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

Left In: 0.002+/-0.000 χ^2/NDF:686212.4/9

+ sign 0.002+/-0.000 χ^2/NDF: 3137567.7/26

All: 0.002+/-0.000 χ^2/NDF: 9258038.7/55

- sign 0.002+/-0.000 χ^2/NDF: 5856406.8/28



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.039+/-0.014 χ^2/NDF:22.9/10

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

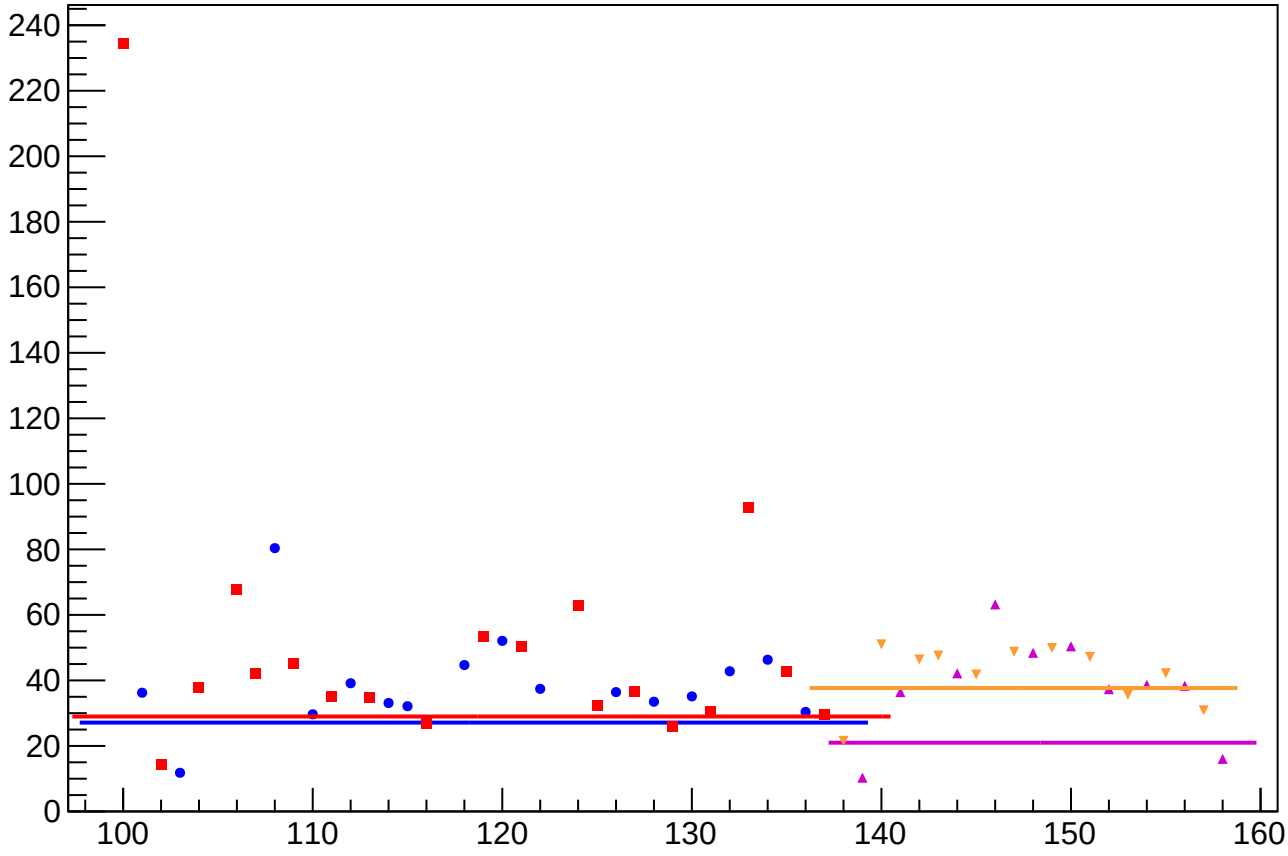
Left In: 0.005+/-0.009 χ^2/NDF:9.4/9

\+ sign 0.017+/-0.009 χ^2/NDF: 43.8/26

All: 0.017+/-0.006 χ^2/NDF: 68.9/55

\- sign 0.017+/-0.007 χ^2/NDF: 25.1/28

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 37.670+/-0.010 χ^2/NDF:1069037.1/10

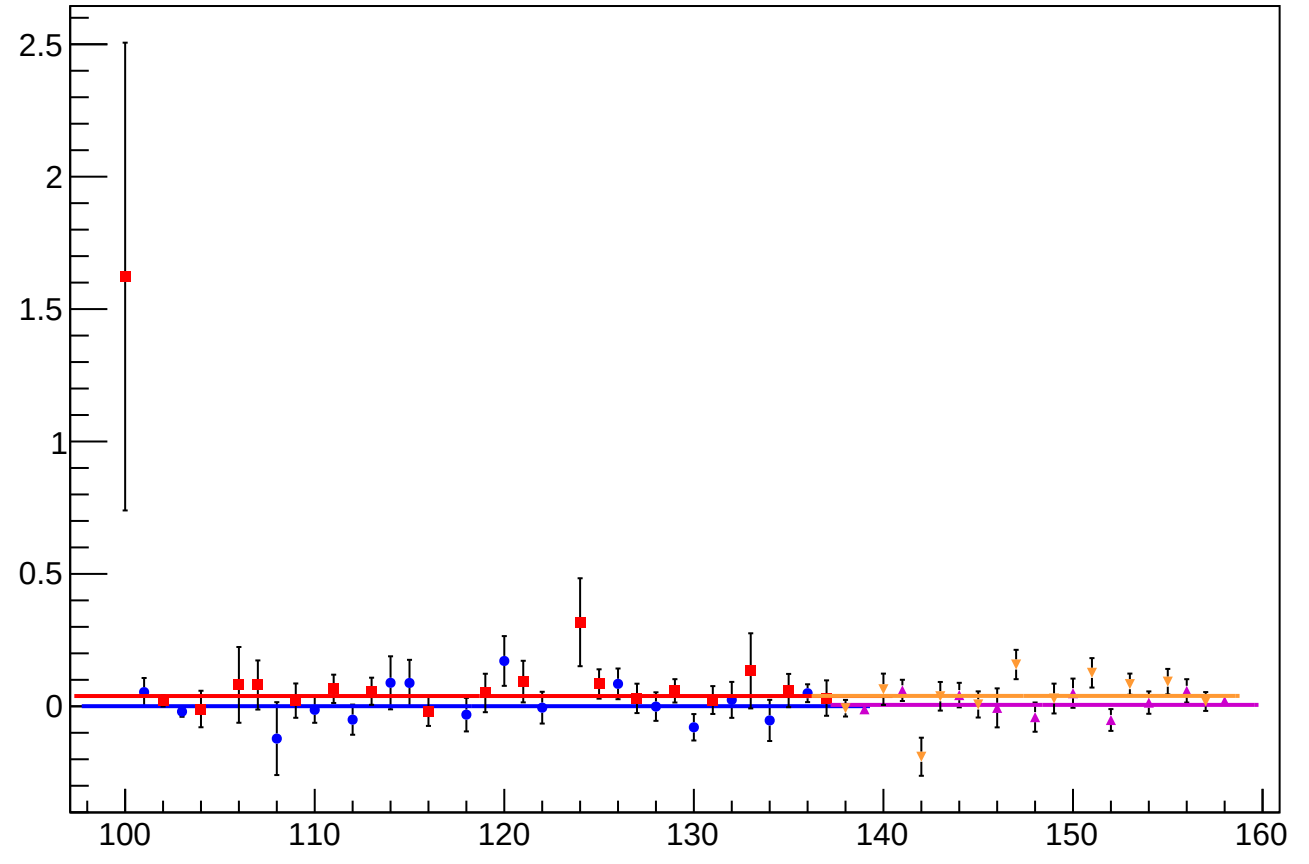
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 20.988+/-0.006 χ^2/NDF:4826857.6/9

+ sign 31.586+/-0.006 χ^2/NDF: 4133984.5/26

All: 26.791+/-0.004 χ^2/NDF: 12851857.1/55

- sign 23.692+/-0.005 χ^2/NDF: 7812016.5/28



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.039+/-0.014 χ^2/NDF:22.9/10

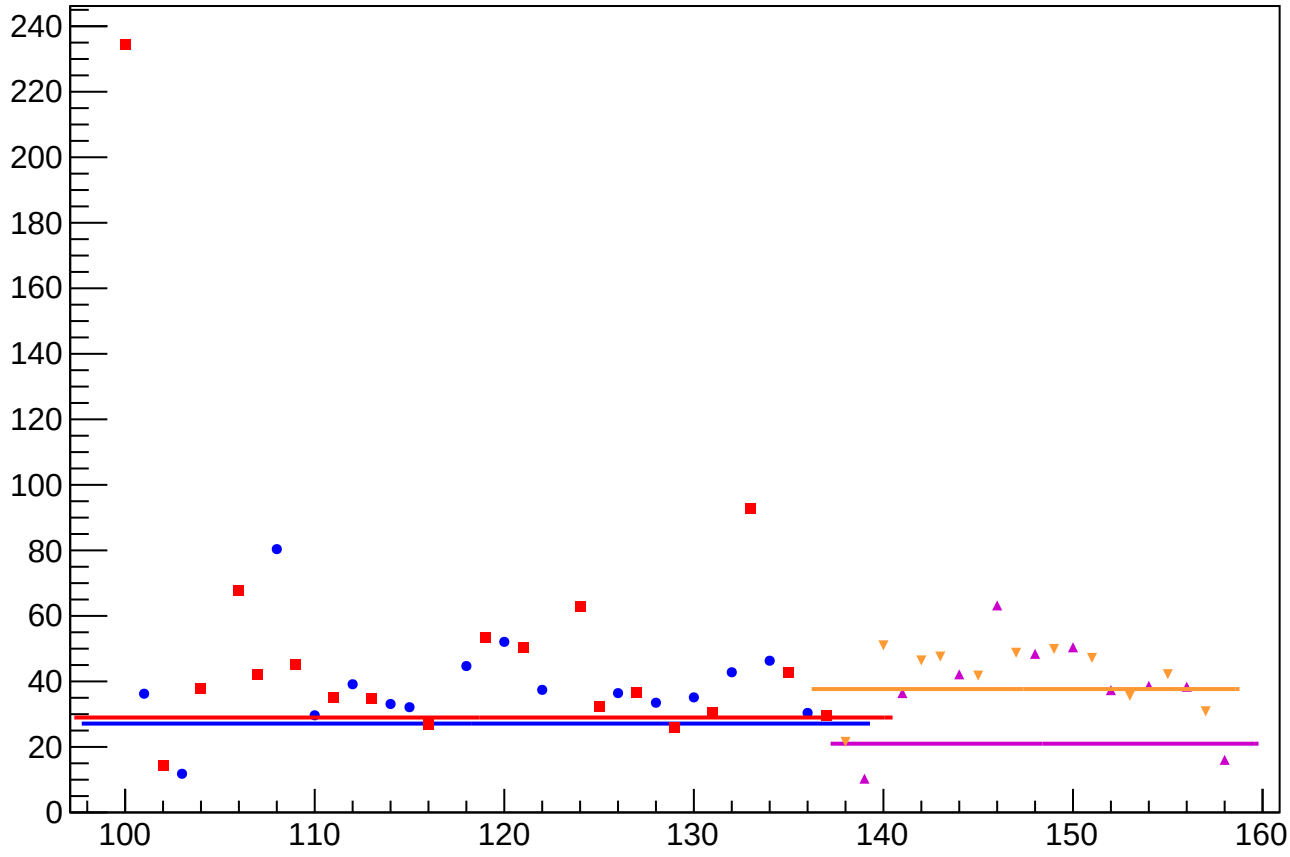
Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.005+/-0.009 χ^2/NDF:9.4/9

+ sign 0.017+/-0.009 χ^2/NDF: 43.8/26

All: 0.017+/-0.006 χ^2/NDF: 68.9/55

- sign 0.017+/-0.007 χ^2/NDF: 25.1/28



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 37.670+/-0.010 χ^2/NDF:1069037.1/10

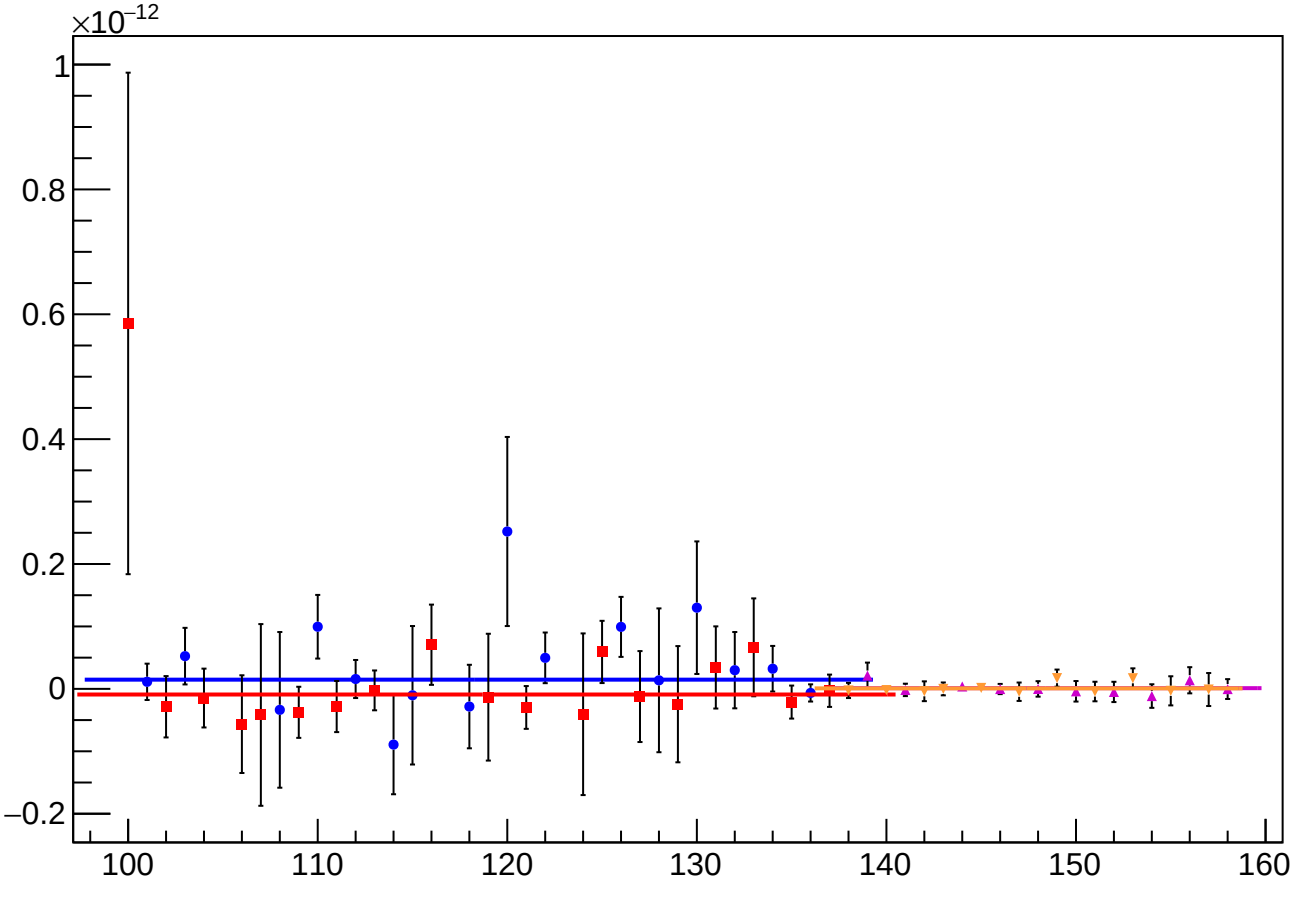
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 20.988+/-0.006 χ^2/NDF:4826857.6/9

+ sign 31.586+/-0.006 χ^2/NDF: 4133984.5/26

All: 26.791+/-0.004 χ^2/NDF: 12851857.1/55

- sign 23.692+/-0.005 χ^2/NDF: 7812016.5/28



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.1/10

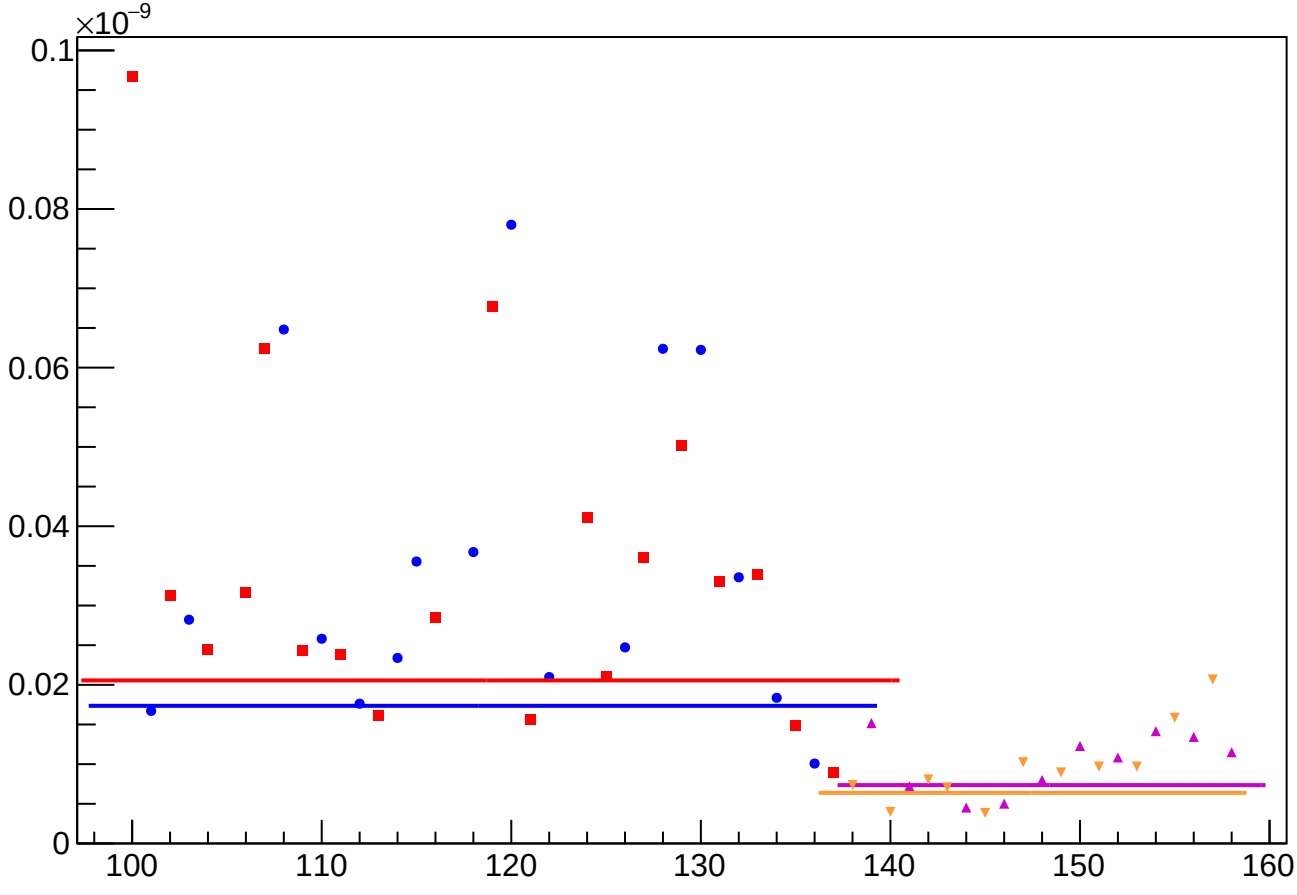
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2.3/9

+ sign 0.000+/-0.000 χ^2/NDF: 21.0/26

All: 0.000+/-0.000 χ^2/NDF: 33.3/55

- sign 0.000+/-0.000 χ^2/NDF: 12.1/28



Right In: 0.000+/-0.000 χ^2/NDF: 2442014.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1917739.9/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1925673.6/18

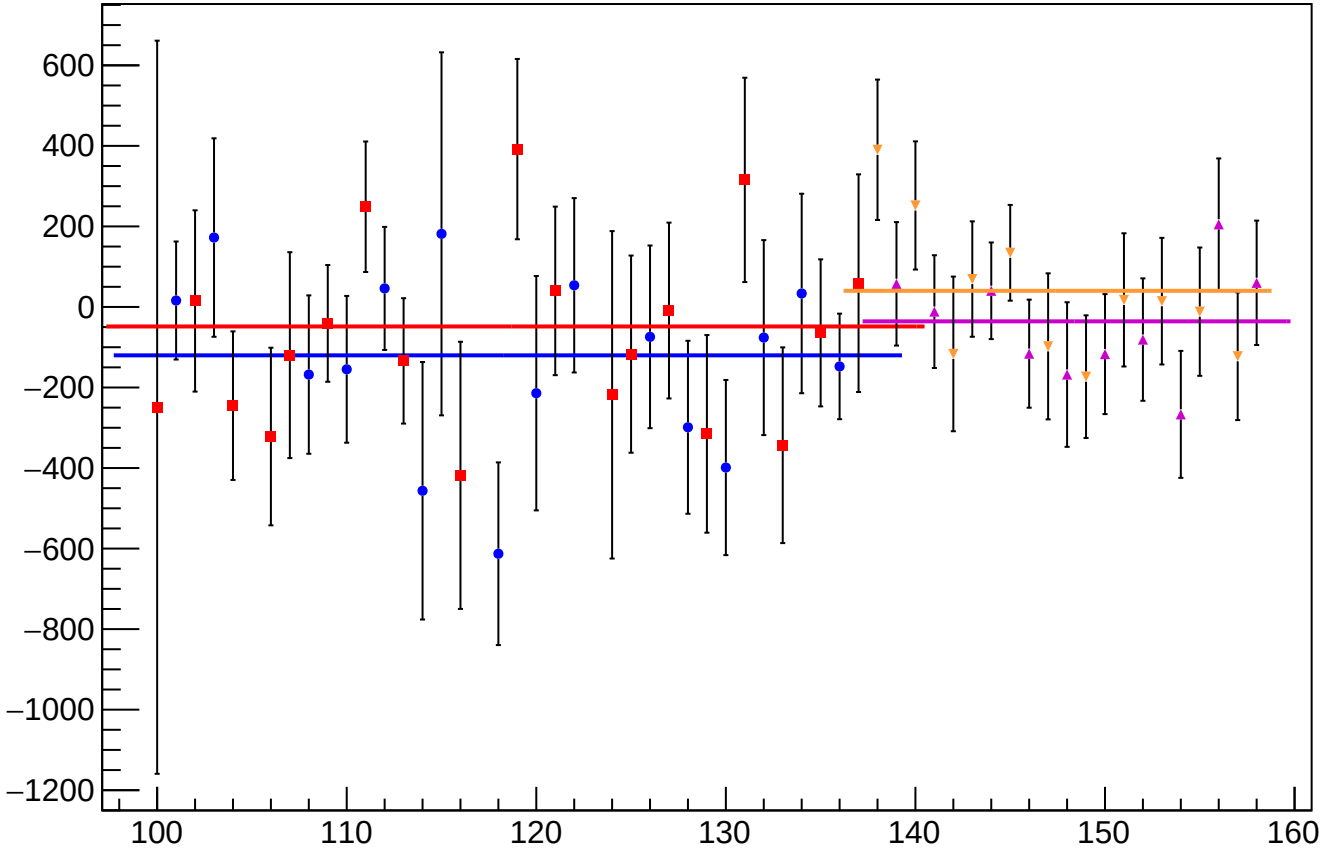
Left In: 0.000+/-0.000 χ^2/NDF:1663273.6/9

+ sign 0.000+/-0.000 χ^2/NDF: 6752263.0/26

All: 0.000+/-0.000 χ^2/NDF: 13116703.6/55

- sign 0.000+/-0.000 χ^2/NDF: 6254021.5/28

reg_asym_sam_48_avg_mean vs Slug



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 40.071+/-47.211 χ^2/NDF:10.9/10

Right Out: -48.449+/-49.910 χ^2/NDF: 17.0/18

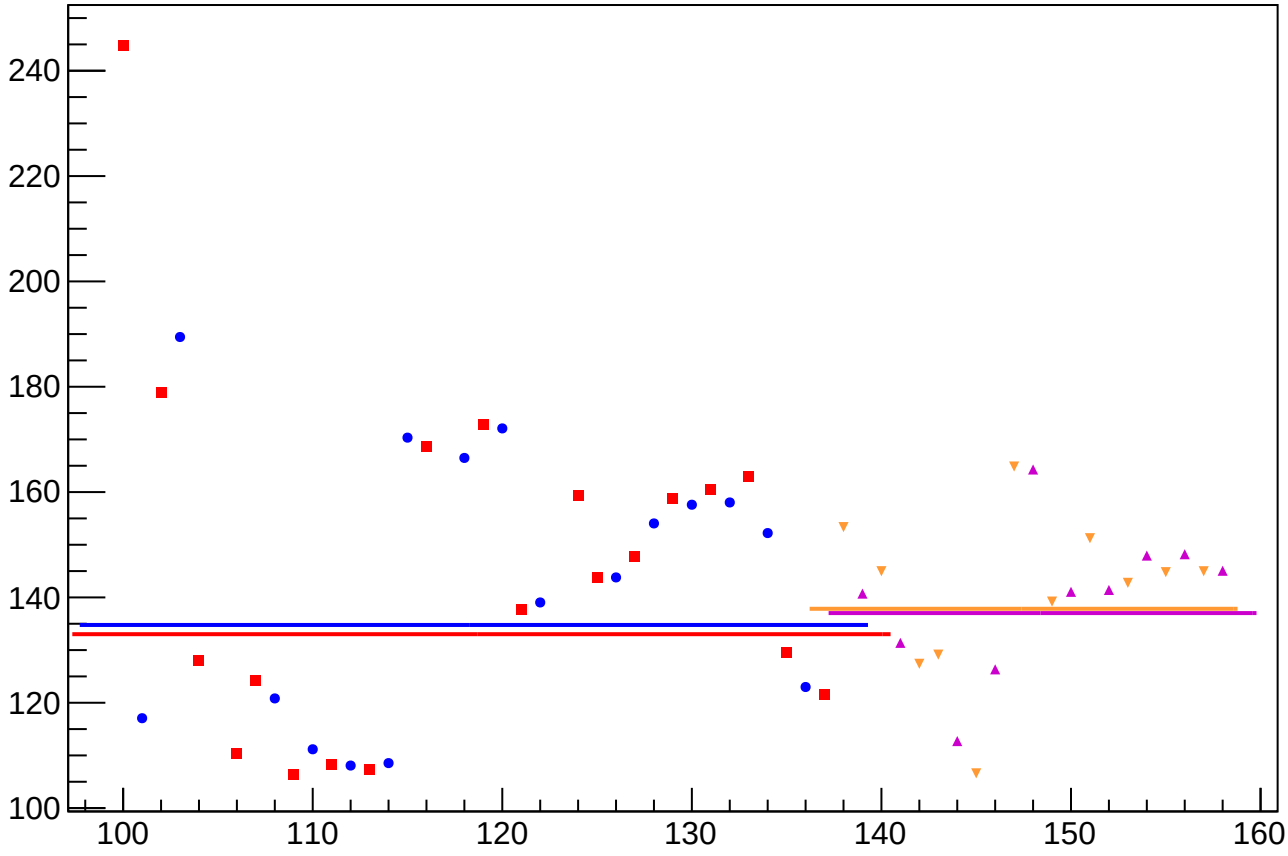
Left In: -35.737+/-46.754 χ^2/NDF:6.8/9

+ sign -33.710+/-34.678 χ^2/NDF: 29.6/26

All: -37.759+/-24.322 χ^2/NDF: 53.4/55

- sign -41.678+/-34.121 χ^2/NDF: 23.8/28

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 137.843+/-0.033 χ^2/NDF:238728.0/10

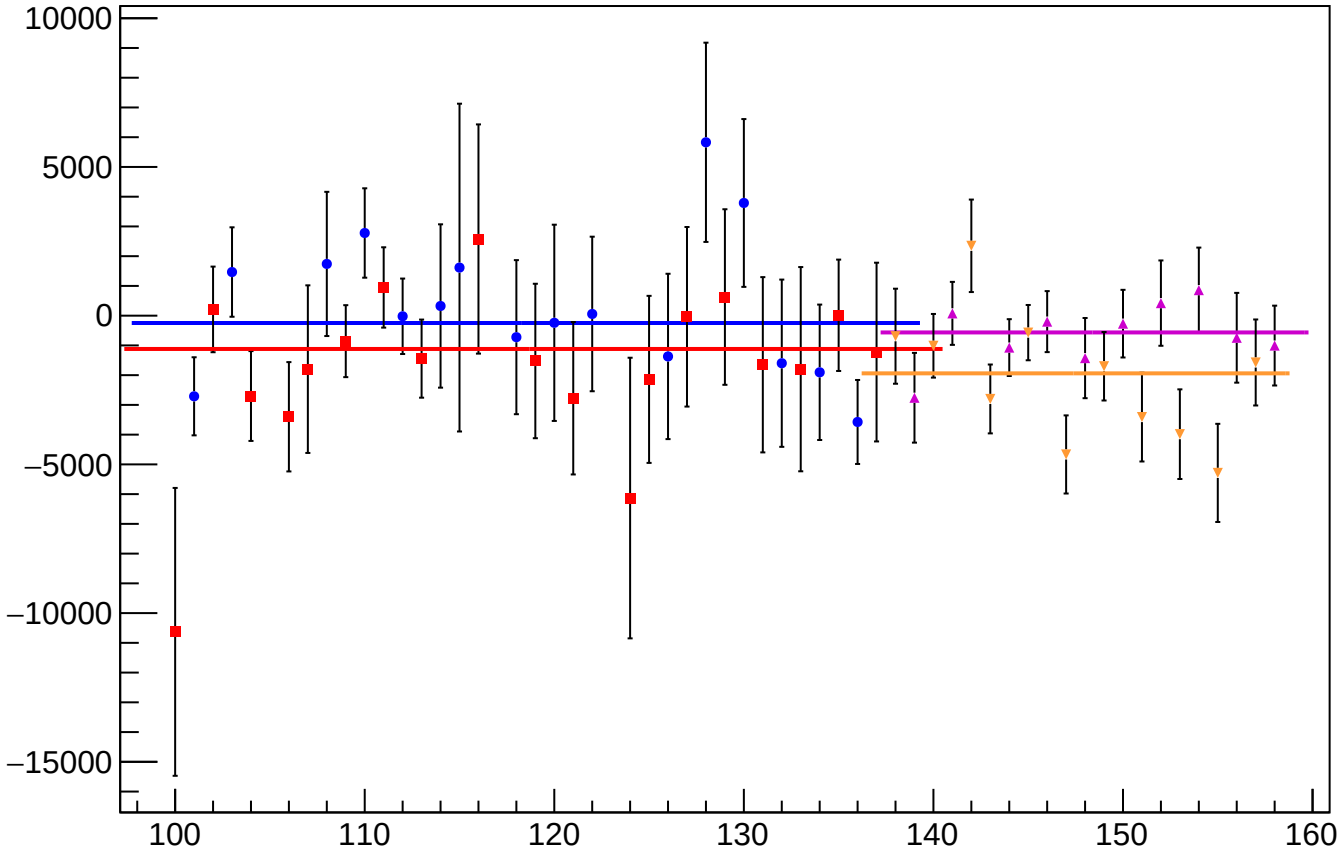
Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

Left In: 137.027+/-0.033 χ^2/NDF:172748.5/9

+ sign 136.428+/-0.025 χ^2/NDF: 659405.4/26

All: 135.781+/-0.017 χ^2/NDF: 1336111.0/55

- sign 135.154+/-0.024 χ^2/NDF: 675332.3/28



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -1939.352+/-387.730 χ^2/NDF:23.0/10

Right Out: -1119.420+/-468.400 χ^2/NDF: 13.4/18

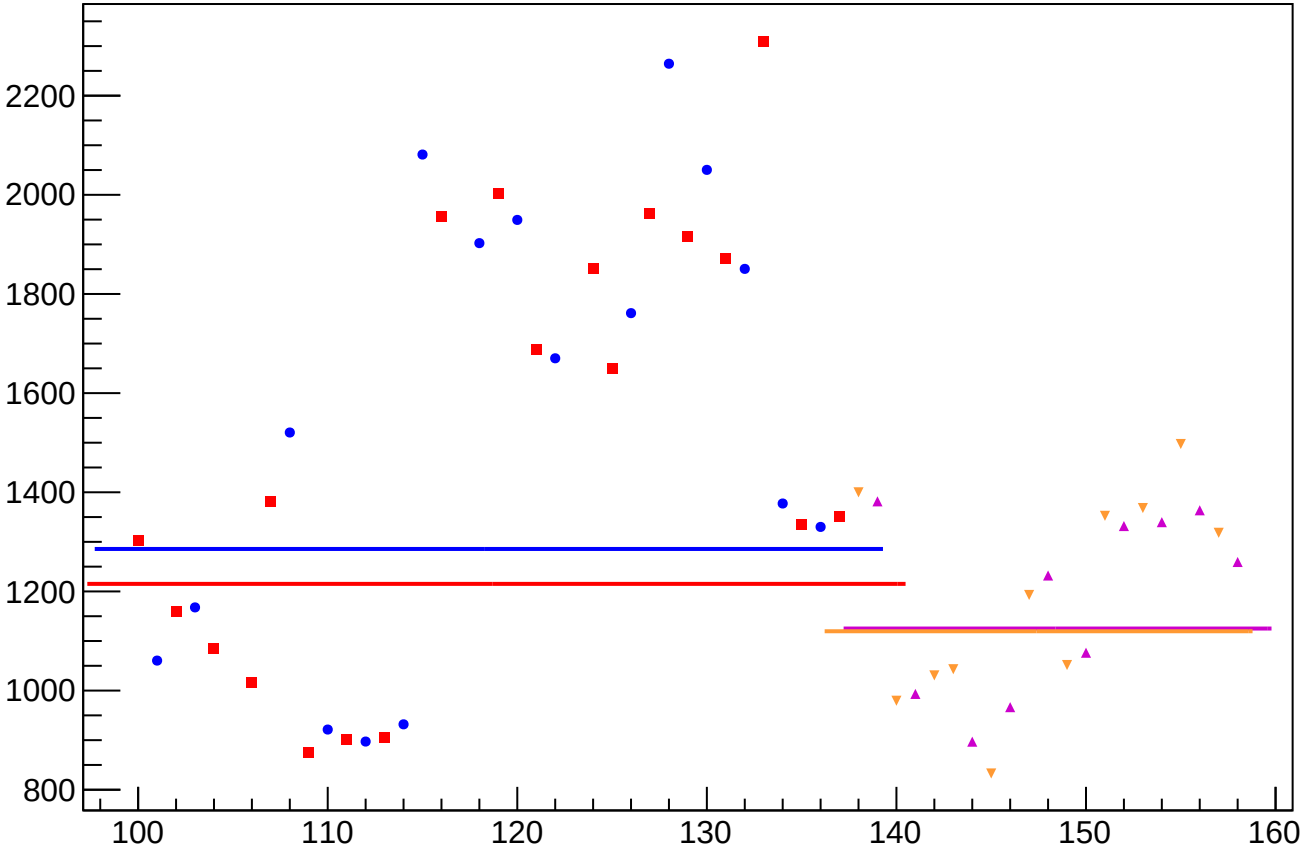
Left In: -563.805+/-387.166 χ^2/NDF:5.0/9

+ sign -1305.834+/-306.724 χ^2/NDF: 51.8/26

All: -1040.495+/-213.890 χ^2/NDF: 72.4/55

- sign -789.330+/-298.419 χ^2/NDF: 19.2/28

asym_sam_48_avg_reg_correction_rms vs Slug



Right In: 1285.668+/-0.355 χ^2/NDF: 1170437.4/15

Left Out: 1119.666+/-0.274 χ^2/NDF:560443.2/10

Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

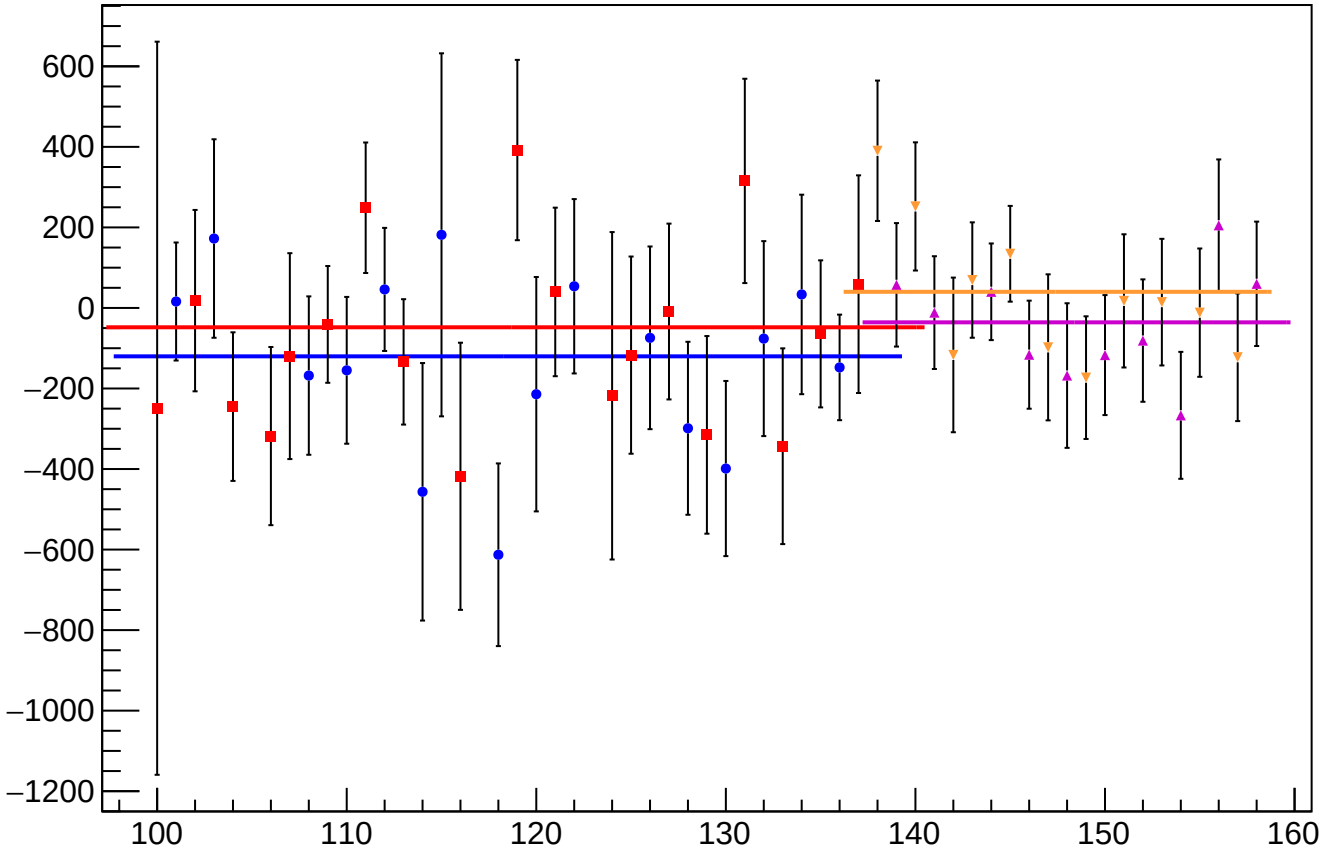
Left In: 1125.151+/-0.274 χ^2/NDF:423661.5/9

+ sign 1181.784+/-0.217 χ^2/NDF: 1868063.8/26

All: 1171.475+/-0.151 χ^2/NDF: 3726364.9/55

- sign 1161.717+/-0.211 χ^2/NDF: 1853903.3/28

cor_asym_sam_48_avg_mean vs Slug



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 40.076+/-47.211 χ^2/NDF:10.9/10

Right Out: -48.013+/-49.919 χ^2/NDF: 17.0/18

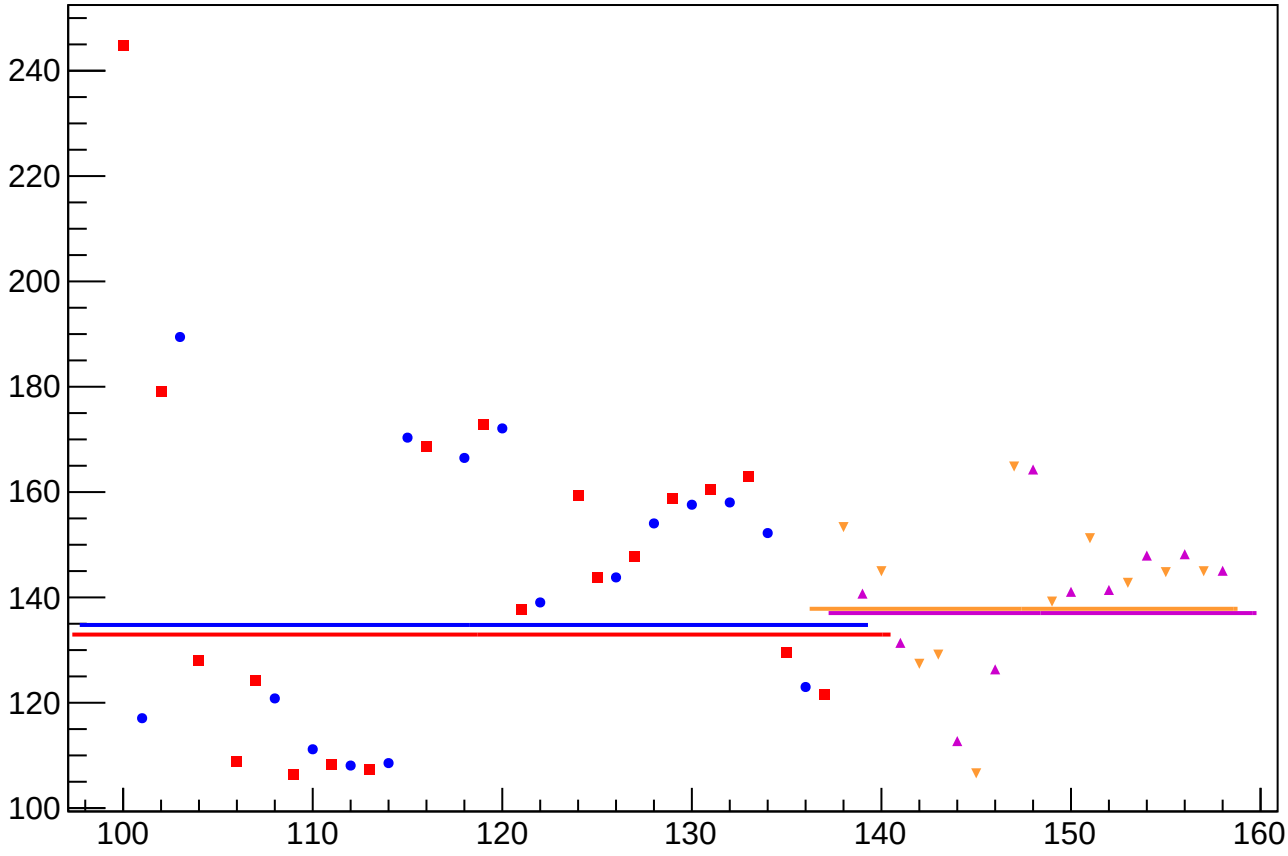
Left In: -35.740+/-46.754 χ^2/NDF:6.8/9

+ sign -33.712+/-34.678 χ^2/NDF: 29.6/26

All: -37.656+/-24.323 χ^2/NDF: 53.4/55

- sign -41.475+/-34.124 χ^2/NDF: 23.8/28

cor_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 137.843+/-0.033 χ^2/NDF:238728.0/10

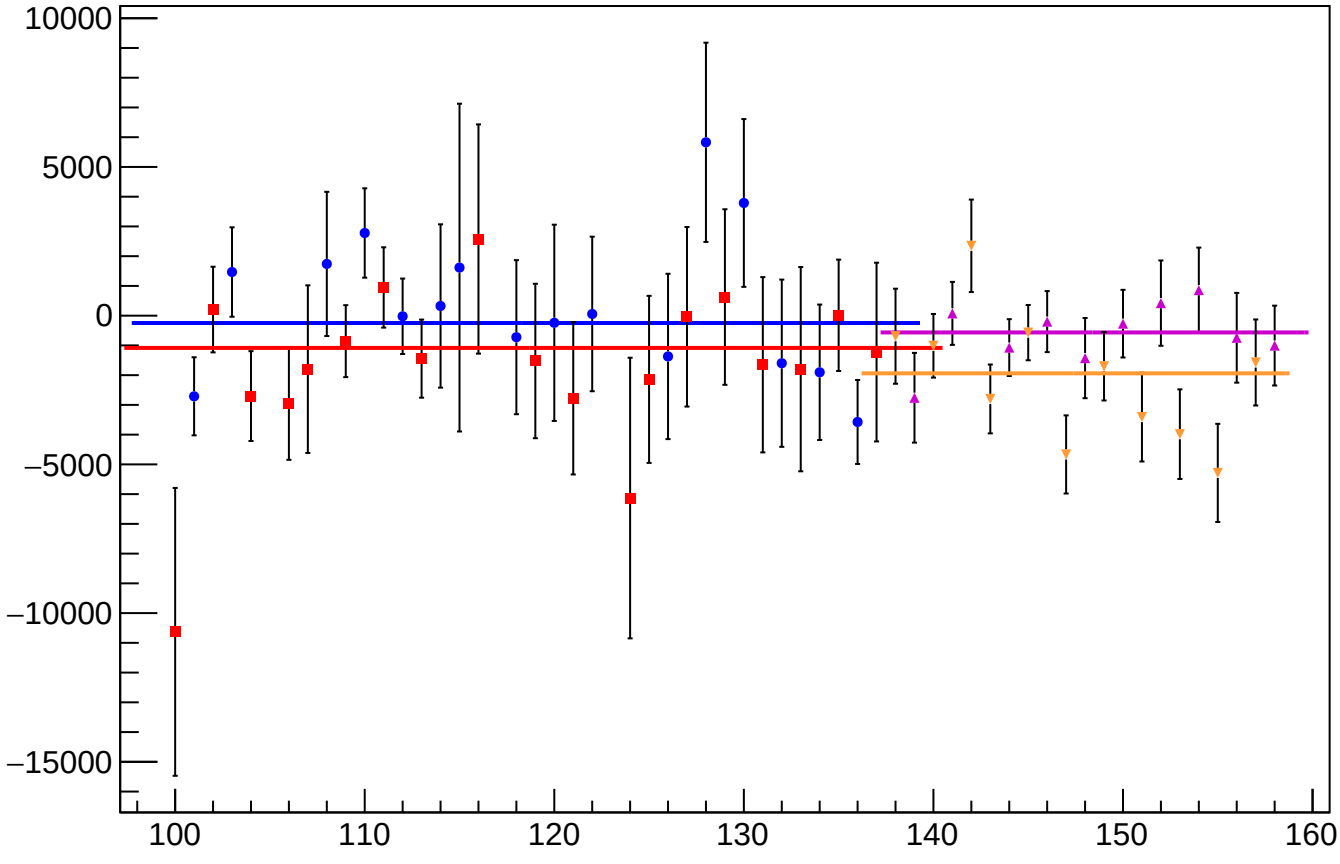
Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 137.027+/-0.033 χ^2/NDF:172748.5/9

+ sign 136.428+/-0.025 χ^2/NDF: 659408.4/26

All: 135.764+/-0.017 χ^2/NDF: 1339569.5/55

- sign 135.120+/-0.024 χ^2/NDF: 678714.8/28



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1939.345+/-387.730 χ^2/NDF:23.0/10

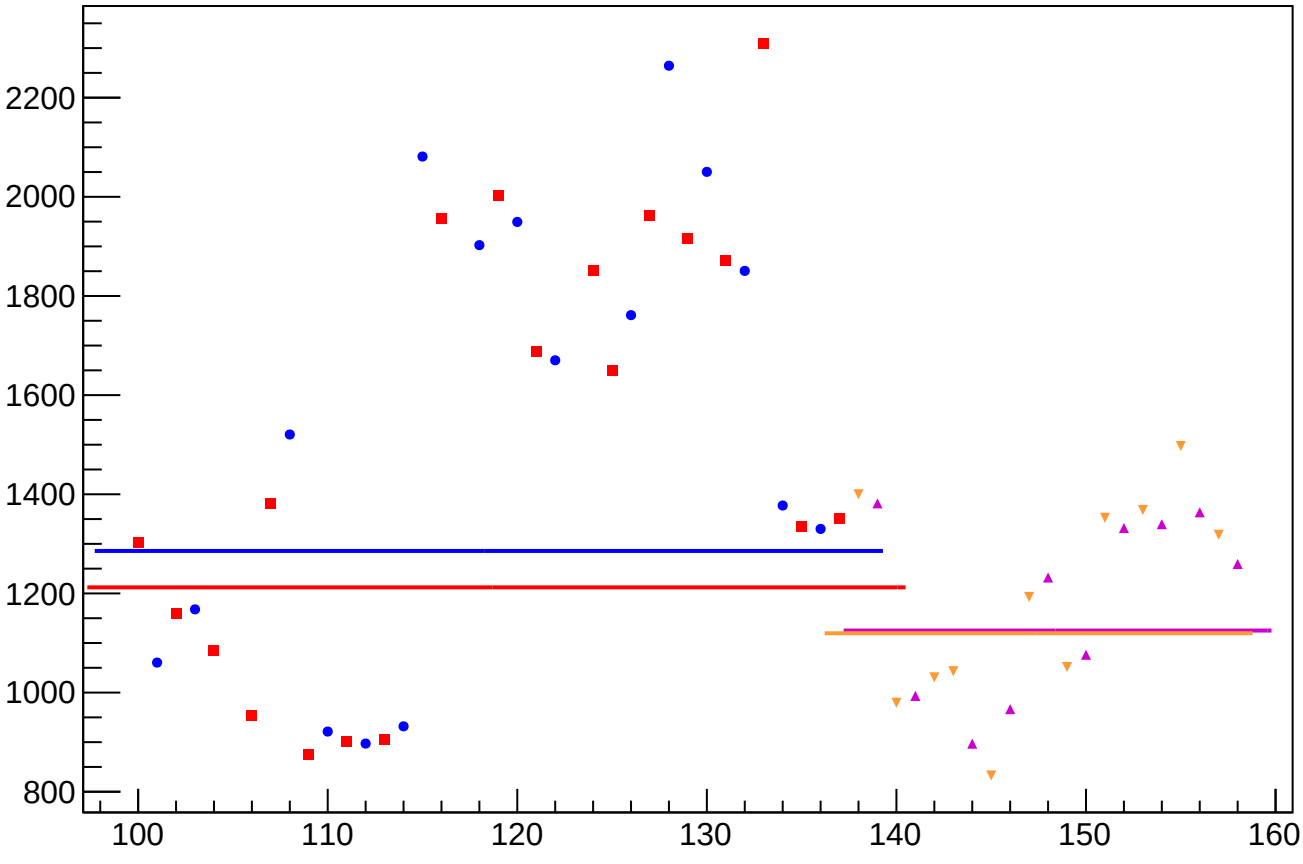
Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: -563.814+/-387.166 χ^2/NDF:5.0/9

+ sign -1305.864+/-306.725 χ^2/NDF: 51.8/26

All: -1033.104+/-213.978 χ^2/NDF: 71.8/55

- sign -774.502+/-298.658 χ^2/NDF: 18.5/28



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1119.666+/-0.274 χ^2/NDF:560445.7/10

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

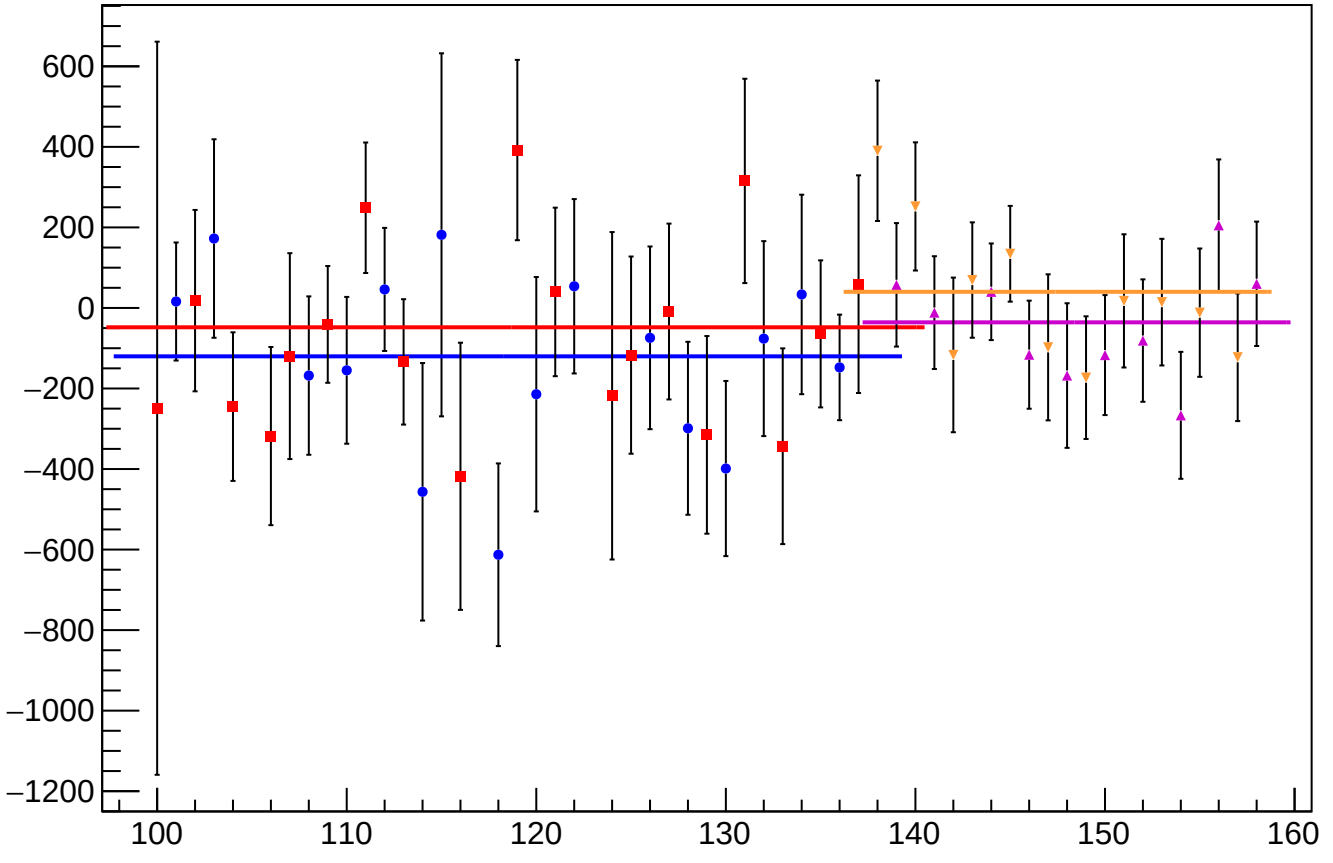
Left In: 1125.151+/-0.274 χ^2/NDF:423659.2/9

+ sign 1181.788+/-0.217 χ^2/NDF: 1868062.6/26

All: 1170.826+/-0.151 χ^2/NDF: 3738346.7/55

- sign 1160.432+/-0.211 χ^2/NDF: 1865307.3/28

eigen_cor_asym_sam_48_avg_mean vs Slug



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 40.076+/-47.211 χ^2/NDF:10.9/10

Right Out: -48.013+/-49.919 χ^2/NDF: 17.0/18

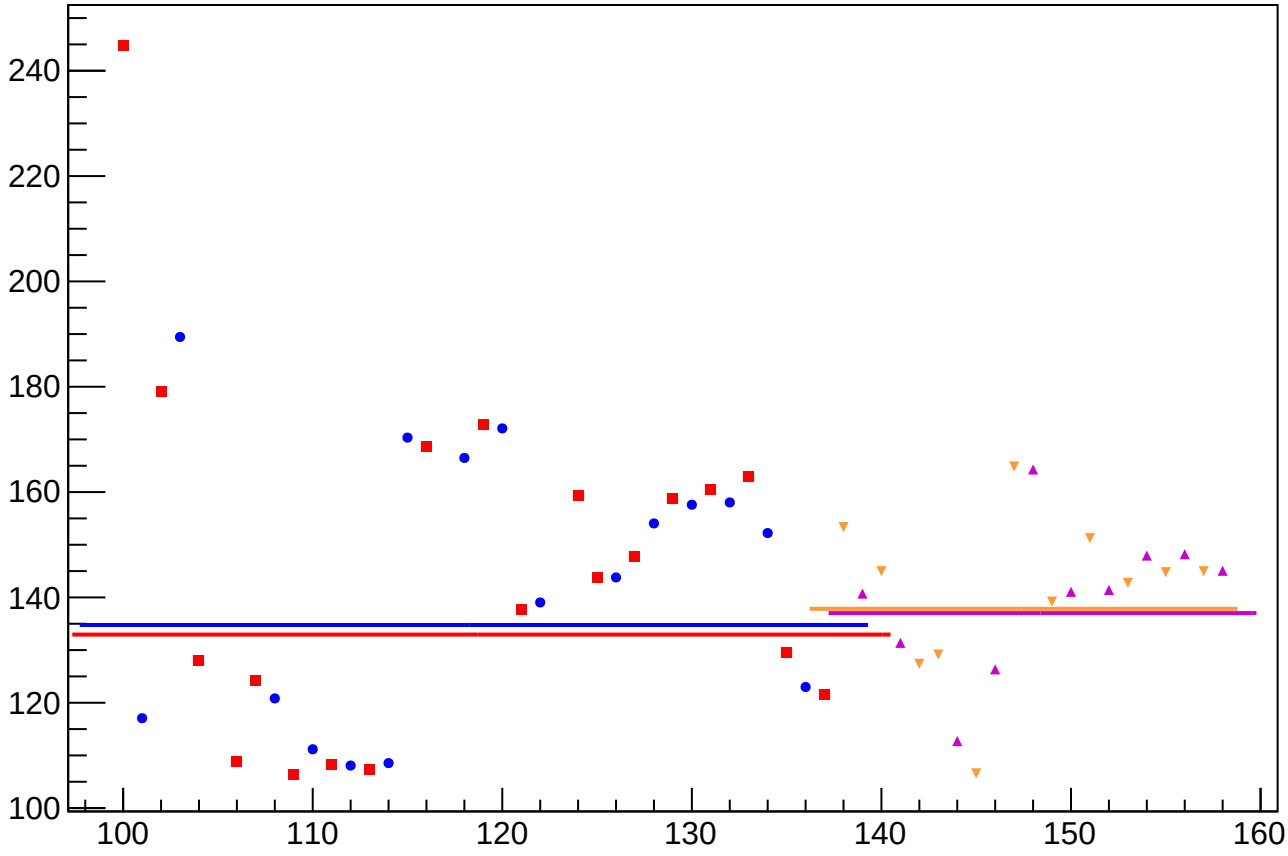
Left In: -35.740+/-46.754 χ^2/NDF:6.8/9

+ sign -33.712+/-34.678 χ^2/NDF: 29.6/26

All: -37.656+/-24.323 χ^2/NDF: 53.4/55

- sign -41.475+/-34.124 χ^2/NDF: 23.8/28

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 137.843+/-0.033 χ^2/NDF:238728.0/10

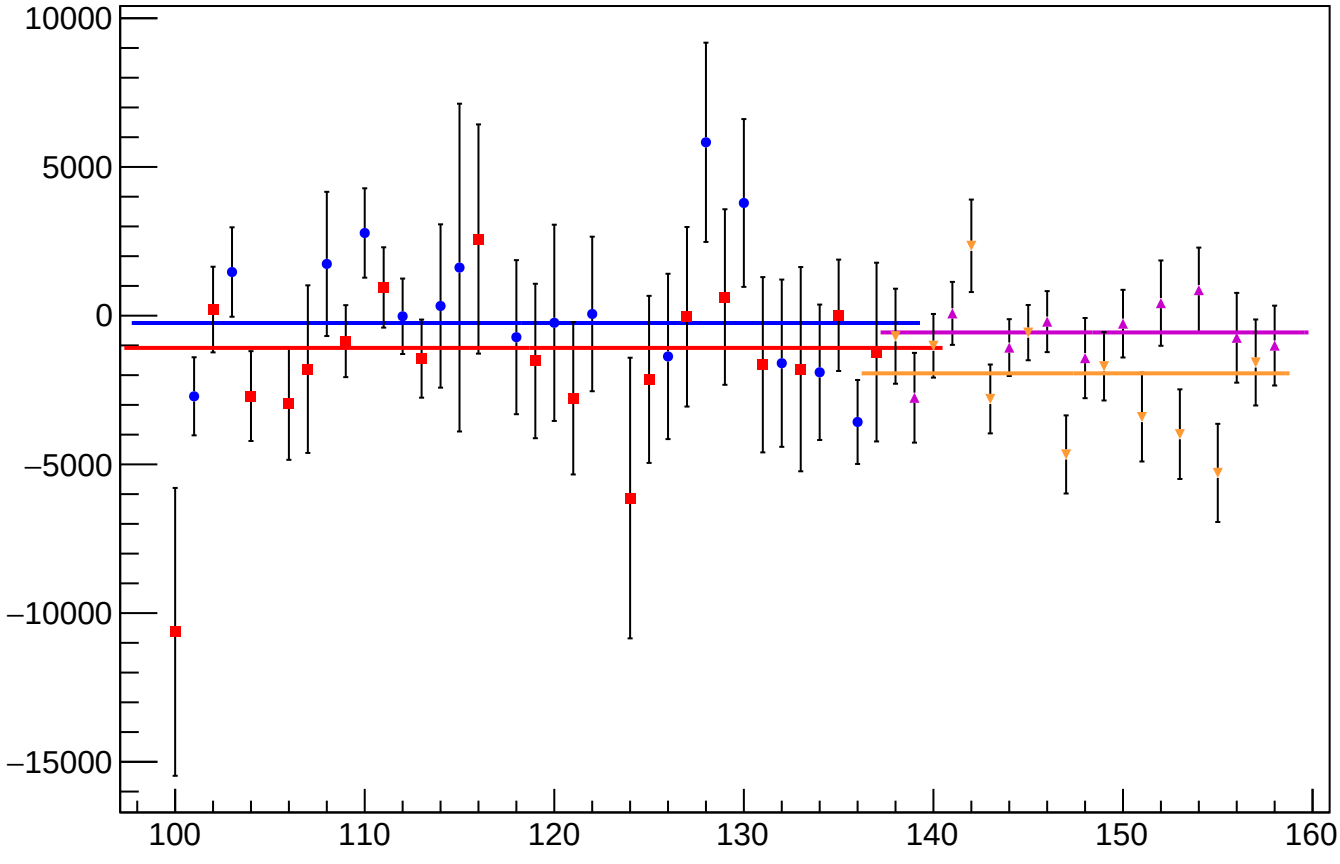
Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 137.027+/-0.033 χ^2/NDF:172748.5/9

+ sign 136.428+/-0.025 χ^2/NDF: 659408.4/26

All: 135.764+/-0.017 χ^2/NDF: 1339569.5/55

- sign 135.120+/-0.024 χ^2/NDF: 678714.8/28



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1939.345+/-387.730 χ^2/NDF:23.0/10

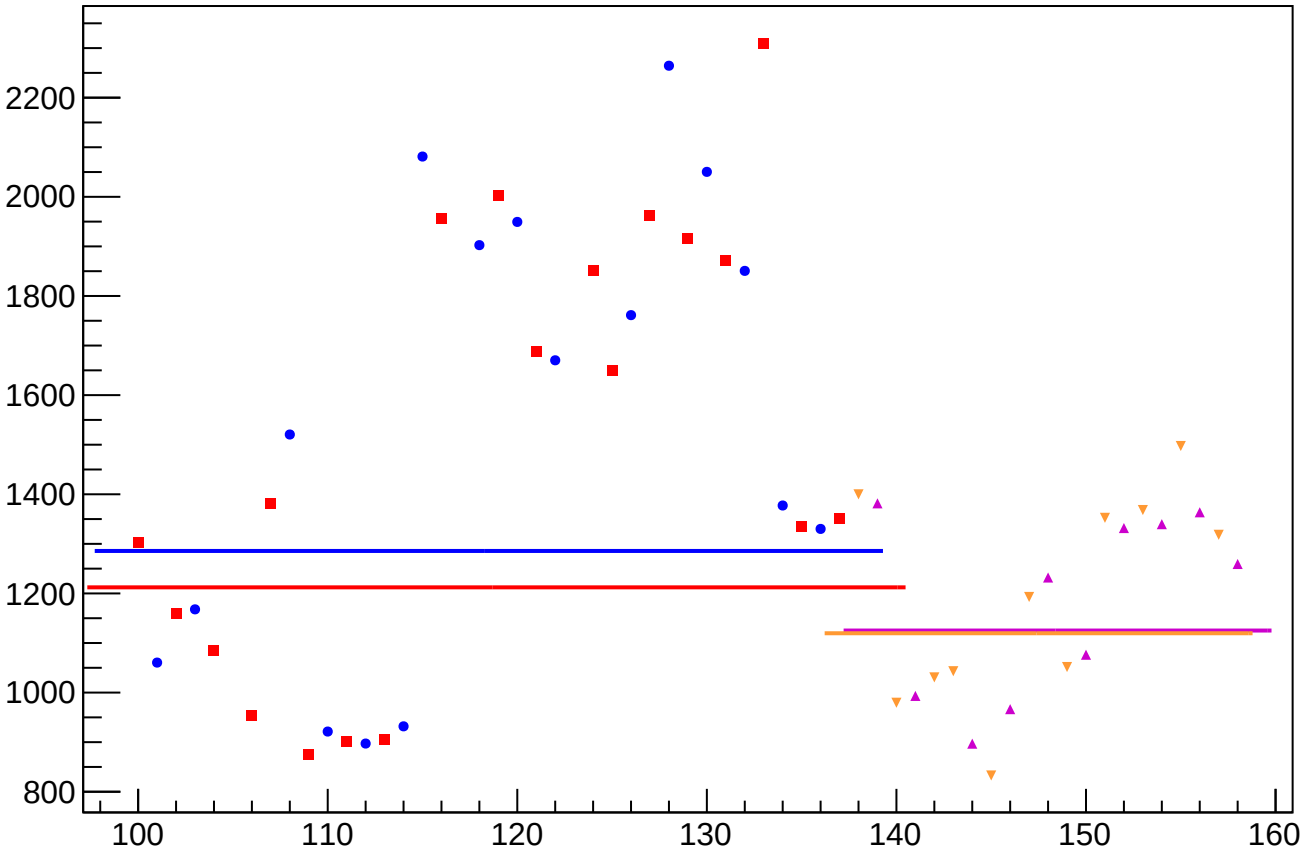
Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: -563.814+/-387.166 χ^2/NDF:5.0/9

+ sign -1305.864+/-306.725 χ^2/NDF: 51.8/26

All: -1033.104+/-213.978 χ^2/NDF: 71.8/55

- sign -774.502+/-298.658 χ^2/NDF: 18.5/28



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1119.666+/-0.274 χ^2/NDF:560445.7/10

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

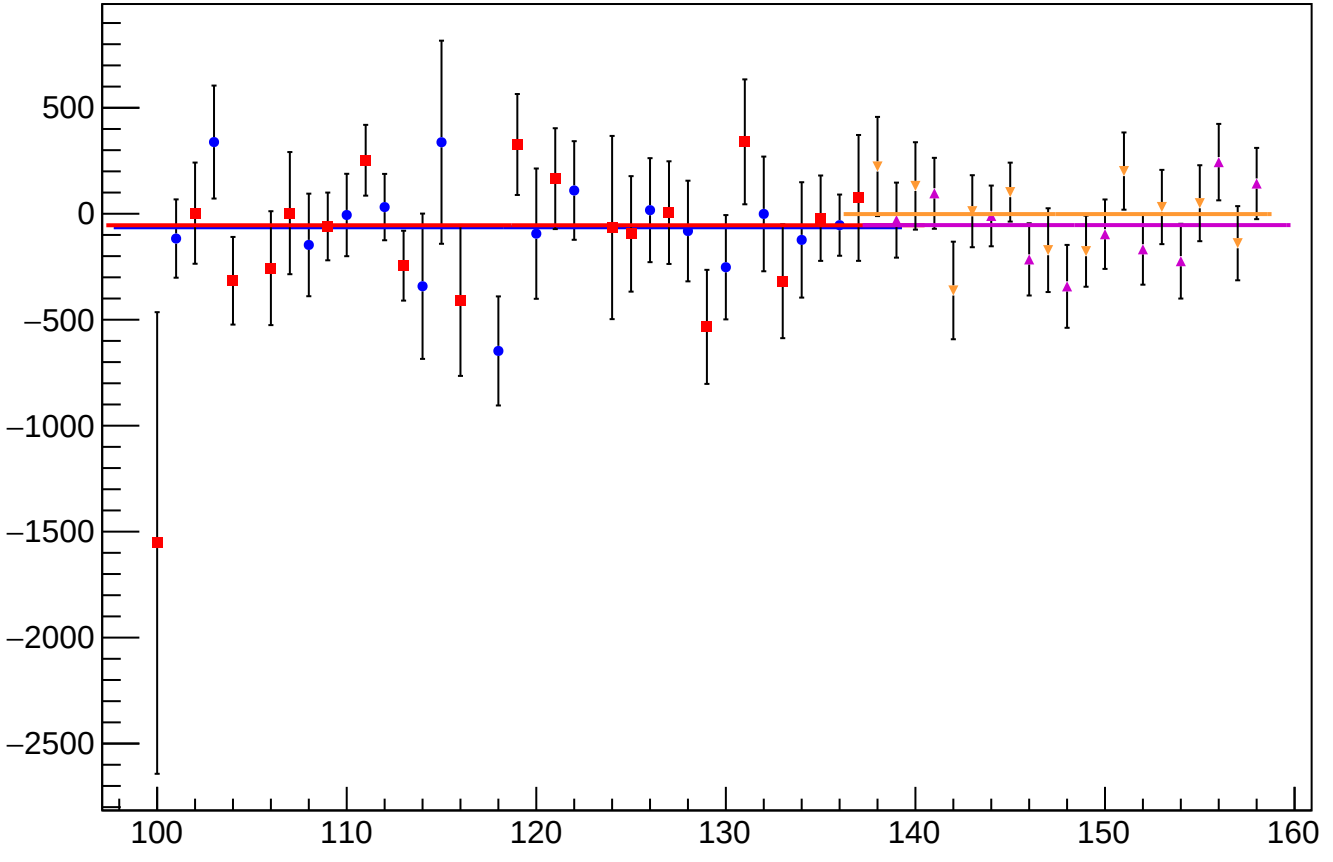
Left In: 1125.151+/-0.274 χ^2/NDF:423659.2/9

+ sign 1181.788+/-0.217 χ^2/NDF: 1868062.6/26

All: 1170.826+/-0.151 χ^2/NDF: 3738346.7/55

- sign 1160.432+/-0.211 χ^2/NDF: 1865307.3/28

dit_asym_sam_48_avg_mean vs Slug



Right In: -63.781+/-56.734 χ^2/NDF: 10.8/15

Left Out: -1.590+/-54.671 χ^2/NDF:8.2/10

Right Out: -54.305+/-54.743 χ^2/NDF: 19.5/18

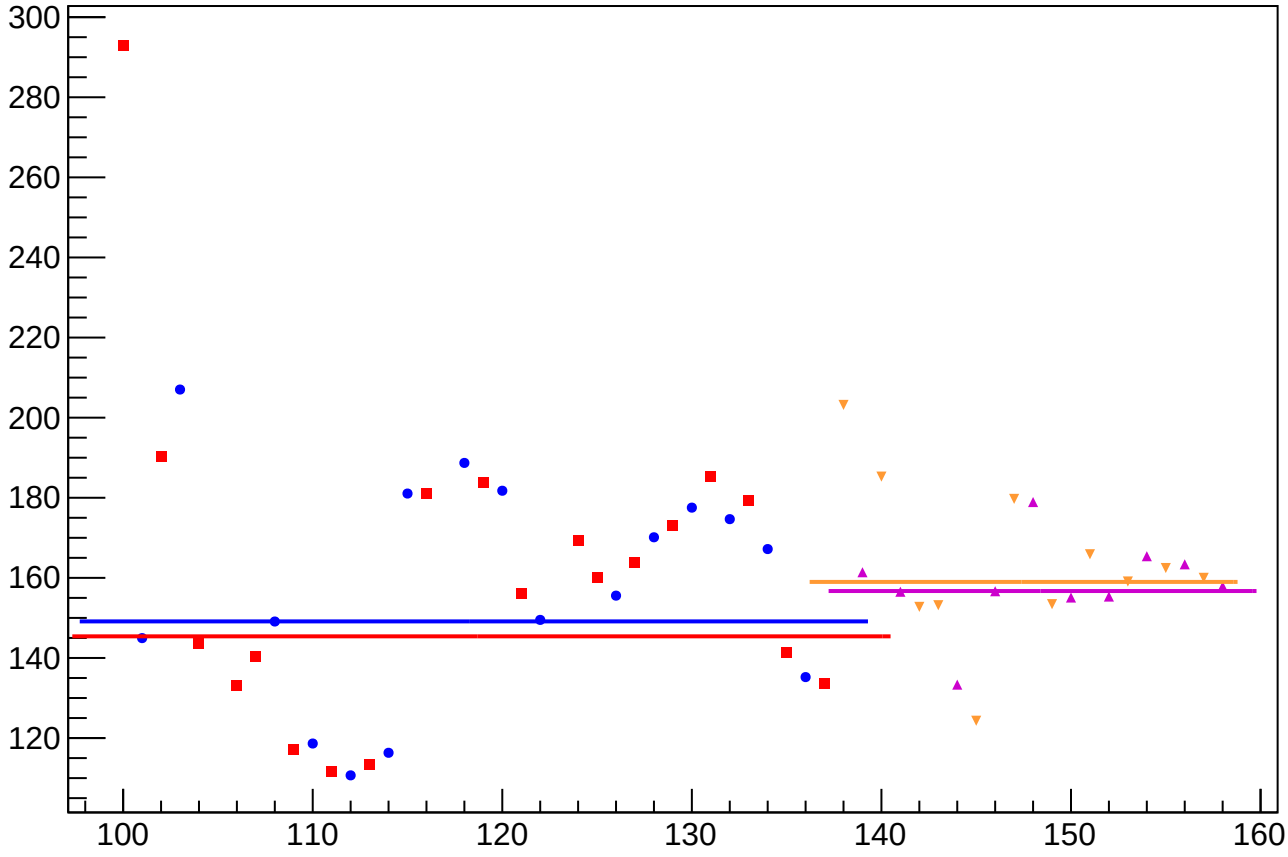
Left In: -53.544+/-53.579 χ^2/NDF:9.5/9

+ sign -31.535+/-39.367 χ^2/NDF: 19.6/26

All: -43.036+/-27.448 χ^2/NDF: 48.8/55

- sign -53.916+/-38.291 χ^2/NDF: 29.1/28

dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 158.989+/-0.039 χ^2/NDF:259786.8/10

Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

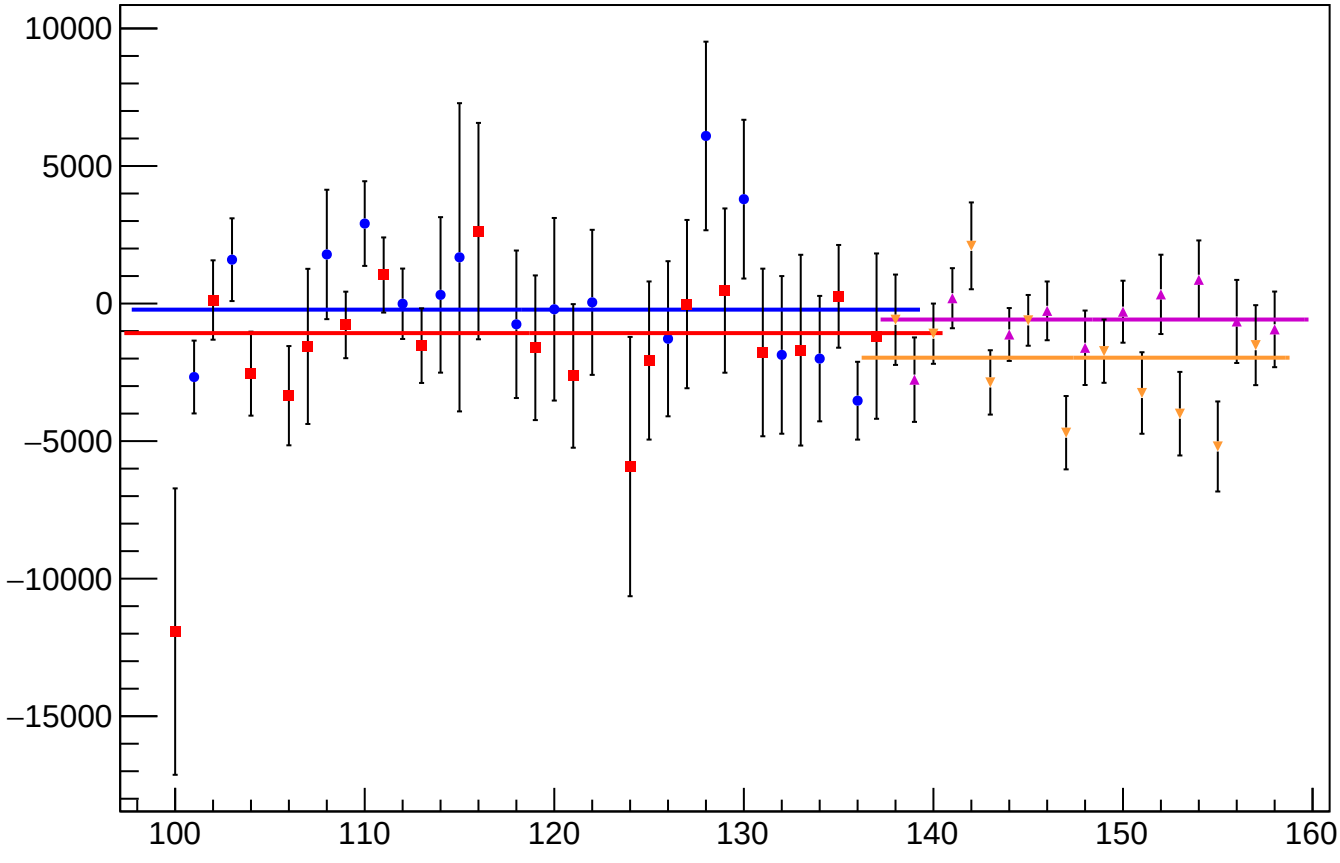
Left In: 156.713+/-0.038 χ^2/NDF:88466.1/9

+ sign 154.242+/-0.028 χ^2/NDF: 742107.4/26

All: 152.668+/-0.019 χ^2/NDF: 1406254.7/55

- sign 151.178+/-0.027 χ^2/NDF: 657919.4/28

asym_sam_48_avg_dit_correction_mean vs Slug



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -1968.111+/-390.288 χ^2/NDF:21.5/10

Right Out: -1074.433+/-472.816 χ^2/NDF: 13.6/18

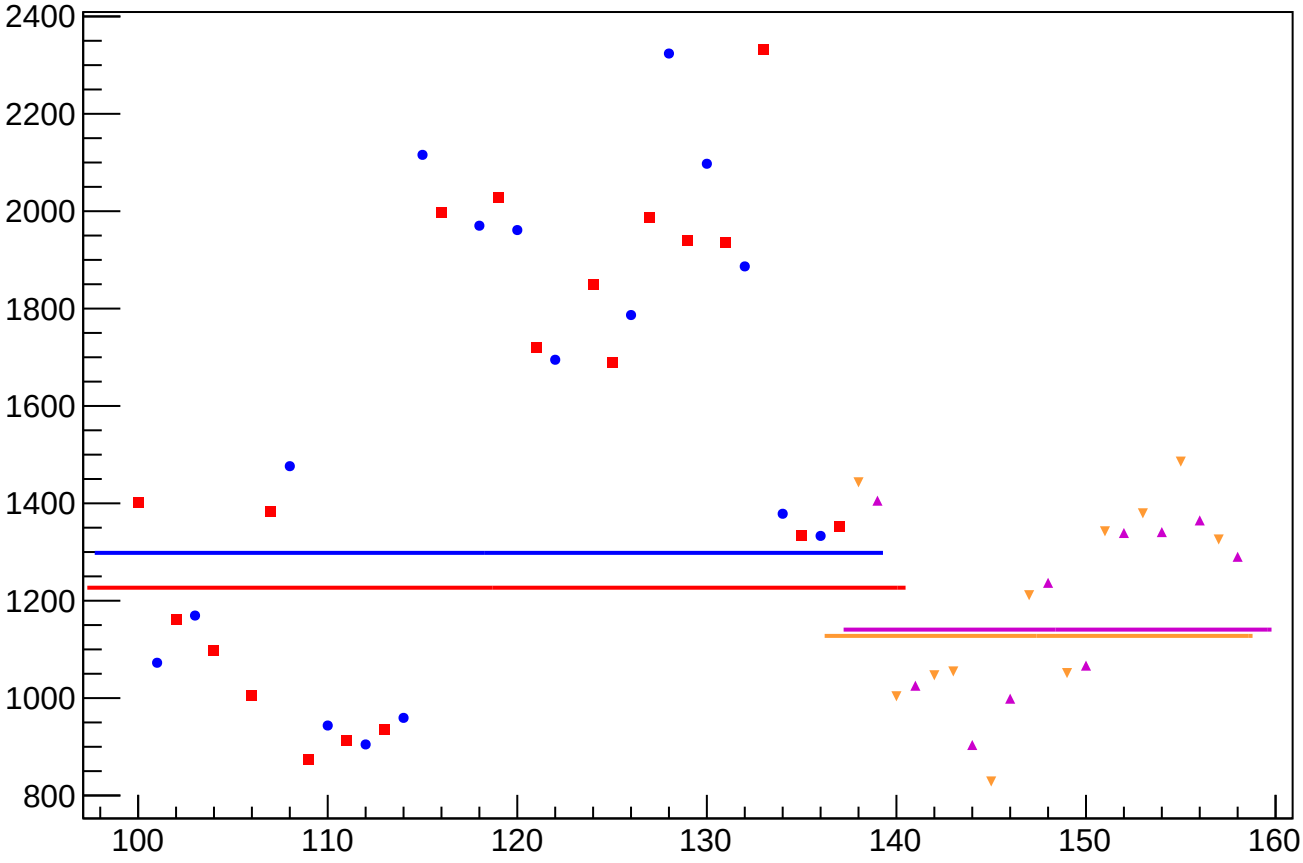
Left In: -580.819+/-392.431 χ^2/NDF:5.1/9

+ sign -1316.827+/-309.085 χ^2/NDF: 50.8/26

All: -1043.268+/-215.997 χ^2/NDF: 71.7/55

- sign -782.159+/-301.970 χ^2/NDF: 19.3/28

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1127.755+/-0.276 χ^2/NDF:568826.5/10

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

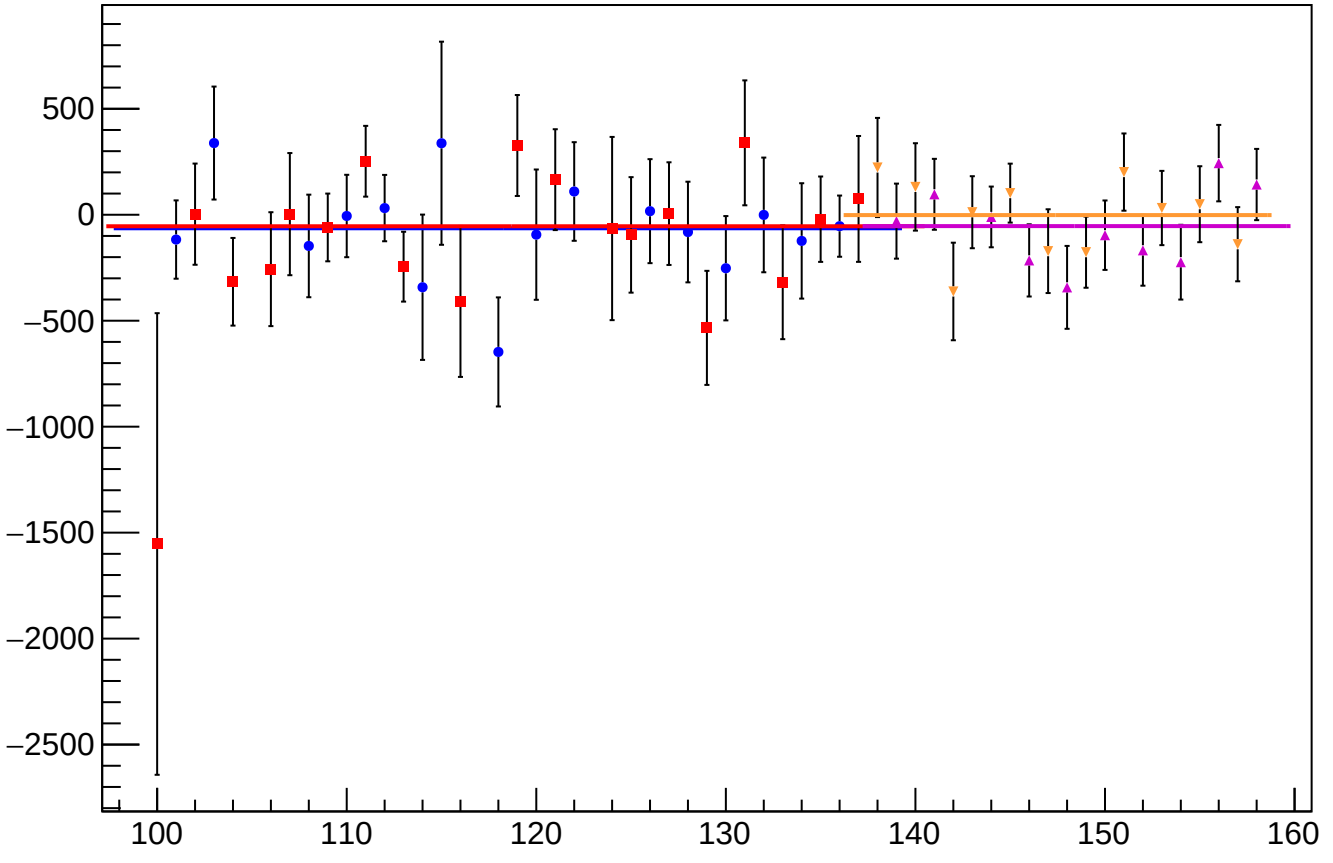
Left In: 1140.670+/-0.277 χ^2/NDF:402203.0/9

+ sign 1191.336+/-0.219 χ^2/NDF: 1893317.6/26

All: 1183.373+/-0.153 χ^2/NDF: 3741868.7/55

- sign 1175.772+/-0.214 χ^2/NDF: 1845956.4/28

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: -1.589+/-54.671 χ^2/NDF:8.2/10

Right Out: -54.304+/-54.743 χ^2/NDF: 19.5/18

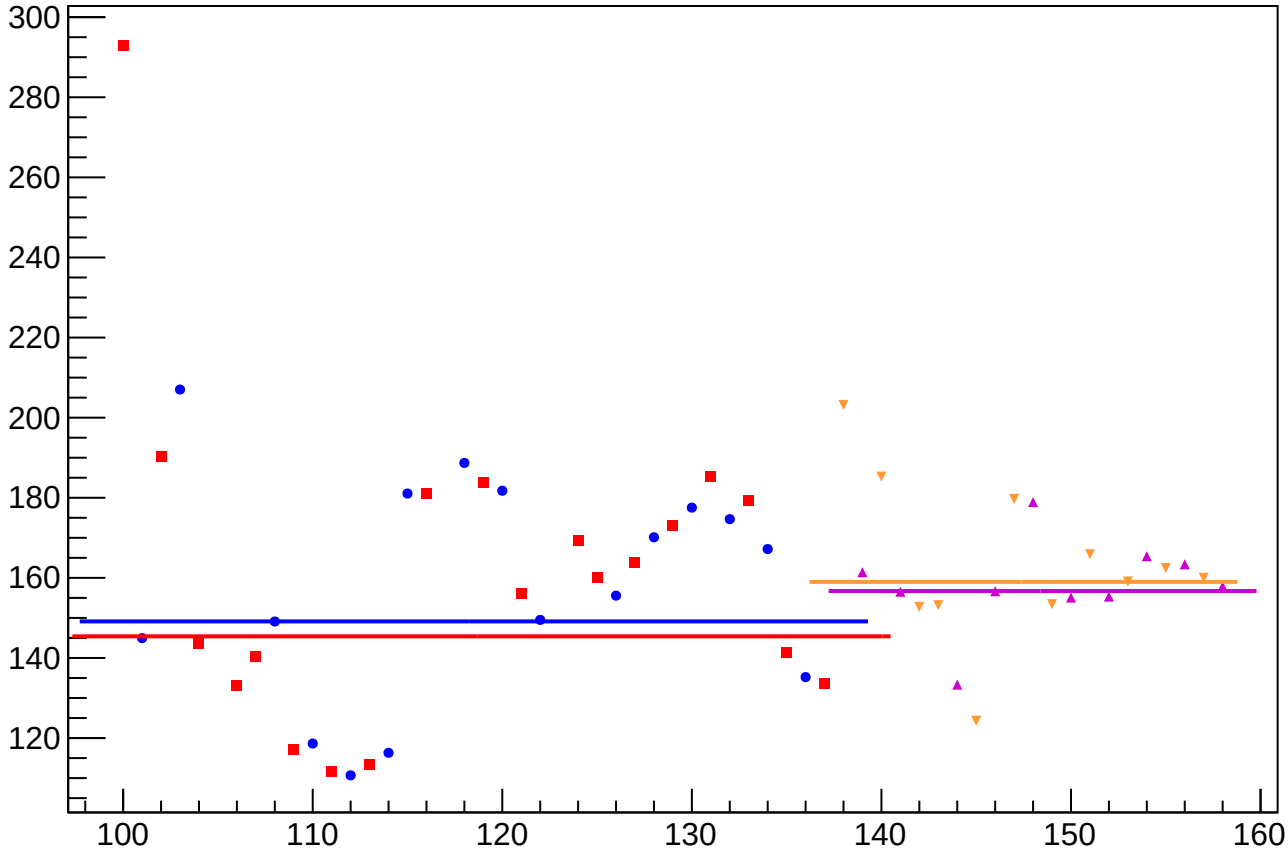
Left In: -53.544+/-53.579 χ^2/NDF:9.5/9

\+ sign -31.533+/-39.367 χ^2/NDF: 19.6/26

All: -43.035+/-27.448 χ^2/NDF: 48.8/55

\- sign -53.916+/-38.291 χ^2/NDF: 29.1/28

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130+/-0.040 χ^2/NDF: 451005.1/15

Left Out: 158.990+/-0.039 χ^2/NDF:259780.8/10

Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

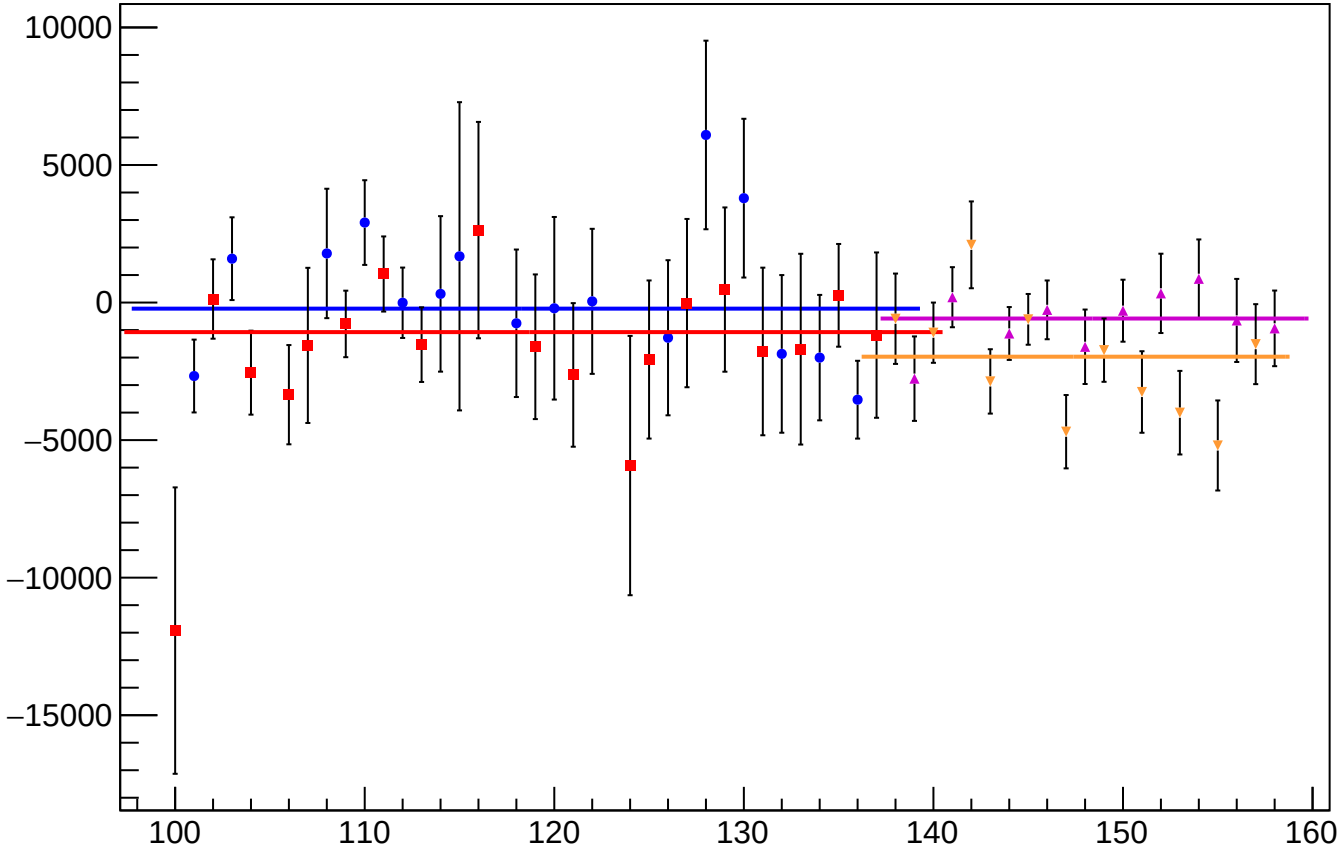
Left In: 156.714+/-0.038 χ^2/NDF:88464.6/9

+ sign 154.243+/-0.028 χ^2/NDF: 742105.6/26

All: 152.668+/-0.019 χ^2/NDF: 1406257.1/55

- sign 151.178+/-0.027 χ^2/NDF: 657923.3/28

asym_sam_48_avg_eigen_dit_correction_mean vs Slug



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -1968.109+/-390.288 χ^2/NDF:21.5/10

Right Out: -1074.432+/-472.816 χ^2/NDF: 13.6/18

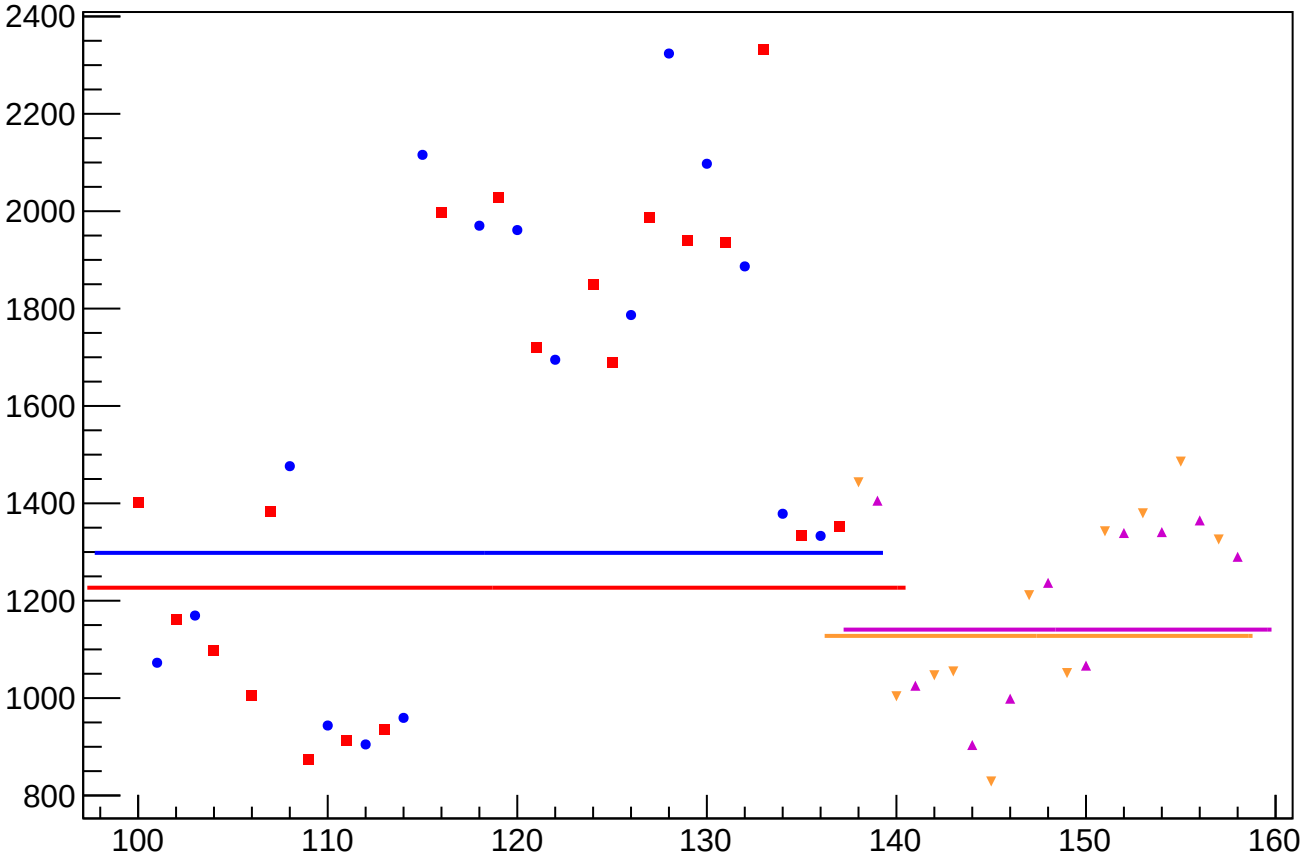
Left In: -580.818+/-392.430 χ^2/NDF:5.1/9

\+ sign -1316.825+/-309.085 χ^2/NDF: 50.8/26

All: -1043.267+/-215.997 χ^2/NDF: 71.7/55

\- sign -782.158+/-301.970 χ^2/NDF: 19.3/28

asym_sam_48_avg_eigen_dit_correction_rms vs Slug



Right In: 1298.292+/-0.358 χ^2/NDF: 1182127.2/15

Left Out: 1127.753+/-0.276 χ^2/NDF:568829.2/10

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

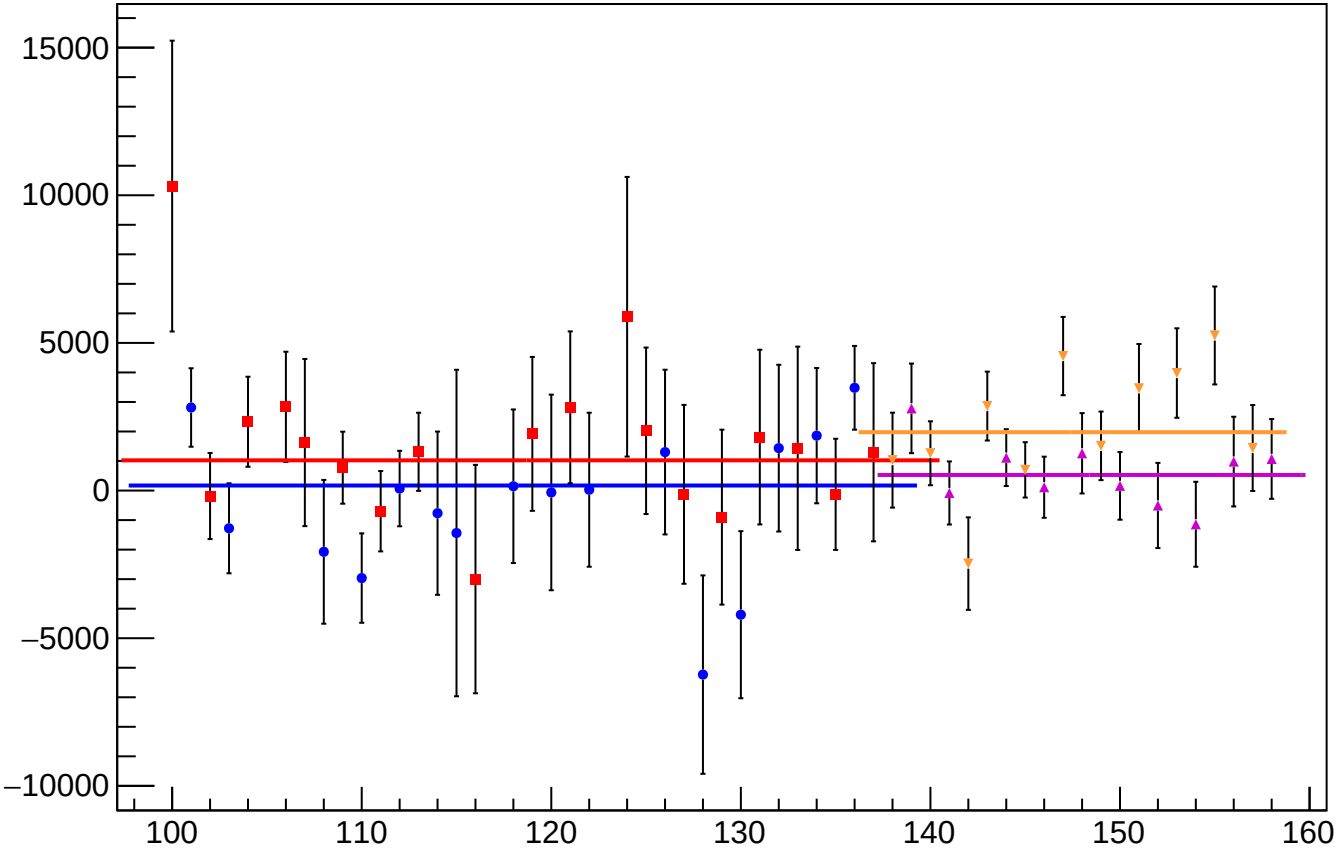
Left In: 1140.669+/-0.277 χ^2/NDF:402201.7/9

+ sign 1191.335+/-0.219 χ^2/NDF: 1893324.9/26

All: 1183.372+/-0.153 χ^2/NDF: 3741877.3/55

- sign 1175.771+/-0.214 χ^2/NDF: 1845957.8/28

asym_sam_48_avg_mean vs Slug



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 1976.697+/-390.822 χ^2/NDF:22.0/10

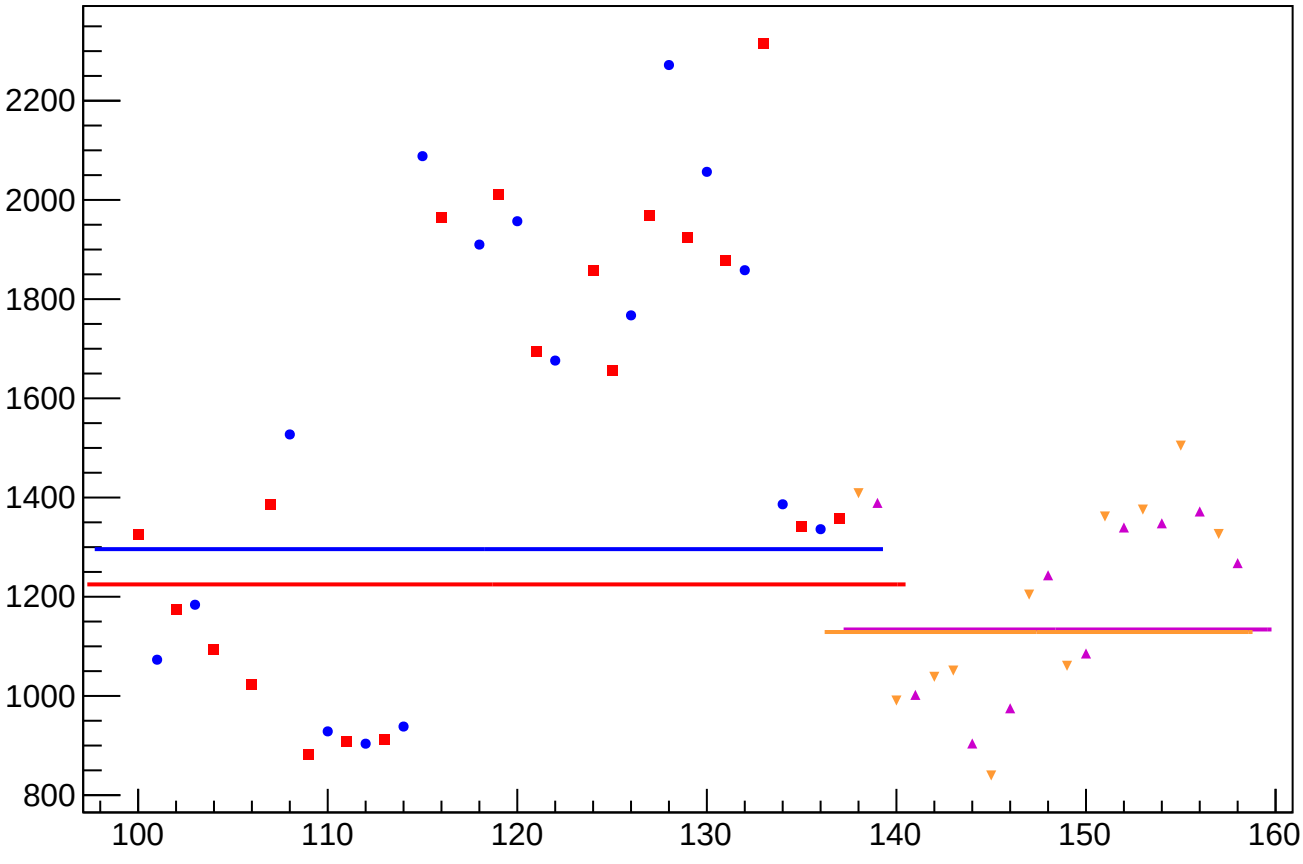
Right Out: 1023.699+/-472.008 χ^2/NDF: 11.6/18

Left In: 528.120+/-390.132 χ^2/NDF:5.6/9

+ sign 1300.567+/-309.106 χ^2/NDF: 52.6/26

All: 1007.052+/-215.542 χ^2/NDF: 72.1/55

- sign 729.265+/-300.711 χ^2/NDF: 17.8/28



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1128.902+/-0.276 χ^2/NDF:553261.4/10

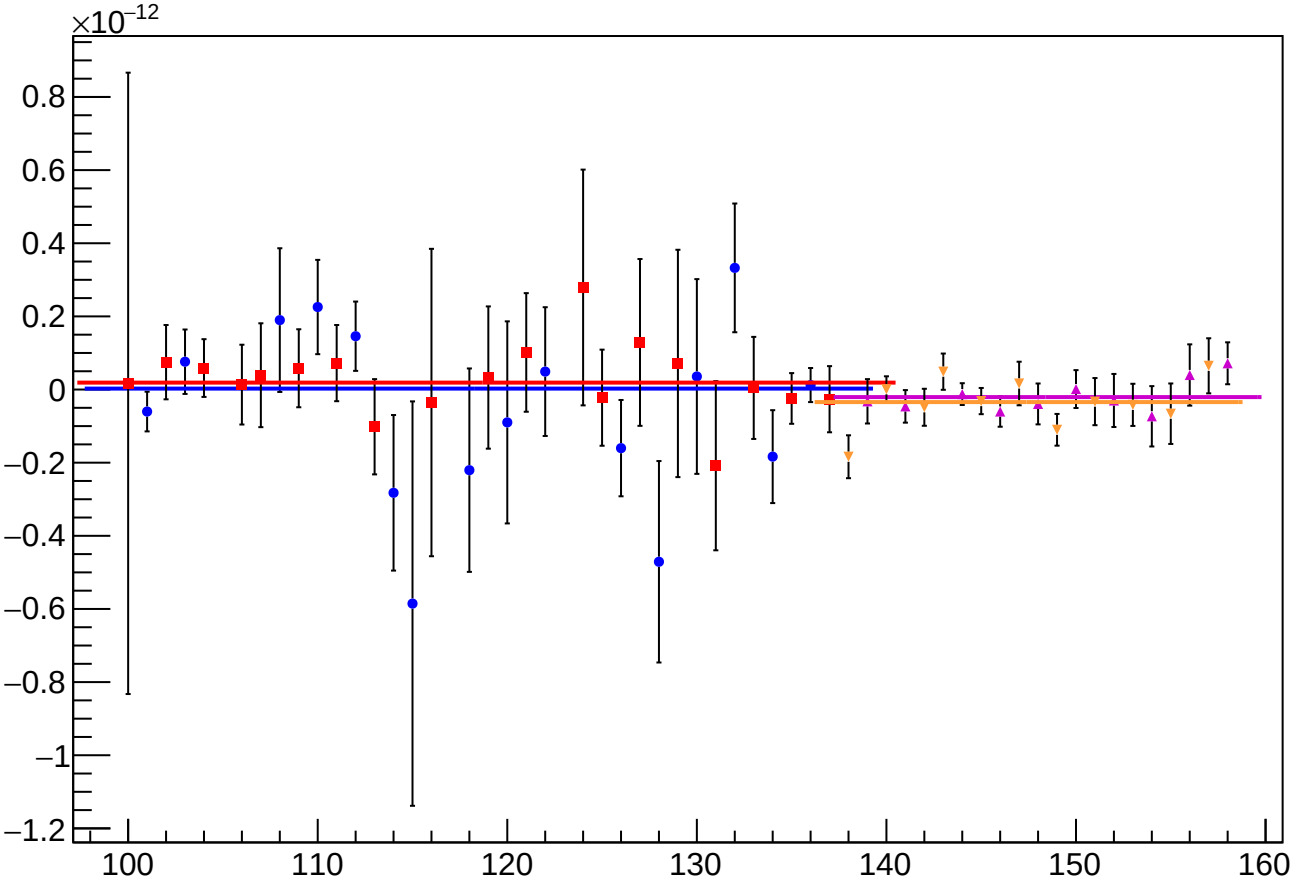
Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1134.002+/-0.276 χ^2/NDF:418344.5/9

+ sign 1191.468+/-0.219 χ^2/NDF: 1844330.1/26

All: 1180.893+/-0.152 χ^2/NDF: 3682555.4/55

- sign 1170.884+/-0.213 χ^2/NDF: 1833669.2/28



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.1/10

Right Out: 0.000+/-0.000 χ^2/NDF: 4.7/18

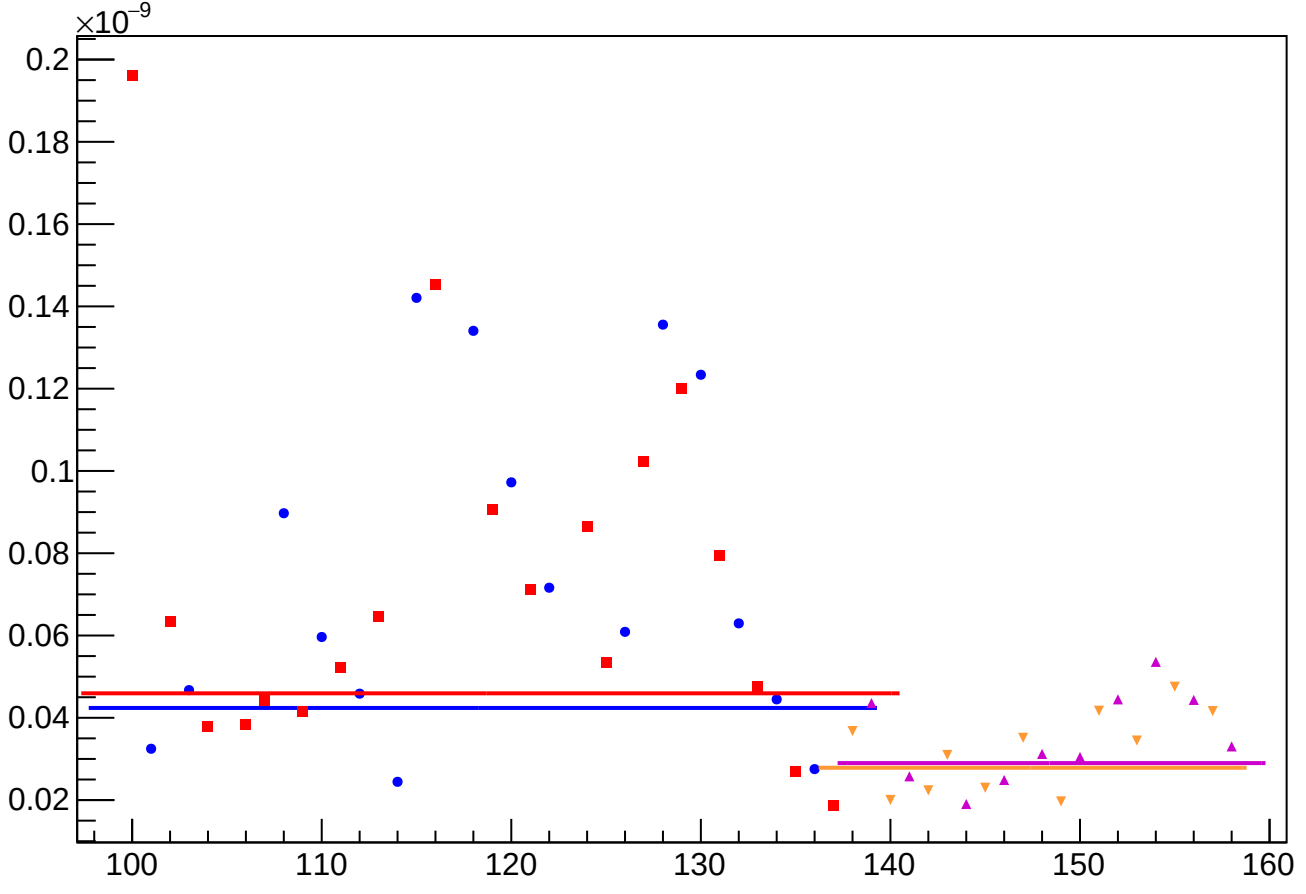
Left In: -0.000+/-0.000 χ^2/NDF:5.2/9

+ sign -0.000+/-0.000 χ^2/NDF: 39.7/26

All: -0.000+/-0.000 χ^2/NDF: 51.6/55

- sign -0.000+/-0.000 χ^2/NDF: 11.4/28

asym_sam_48_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:612816.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

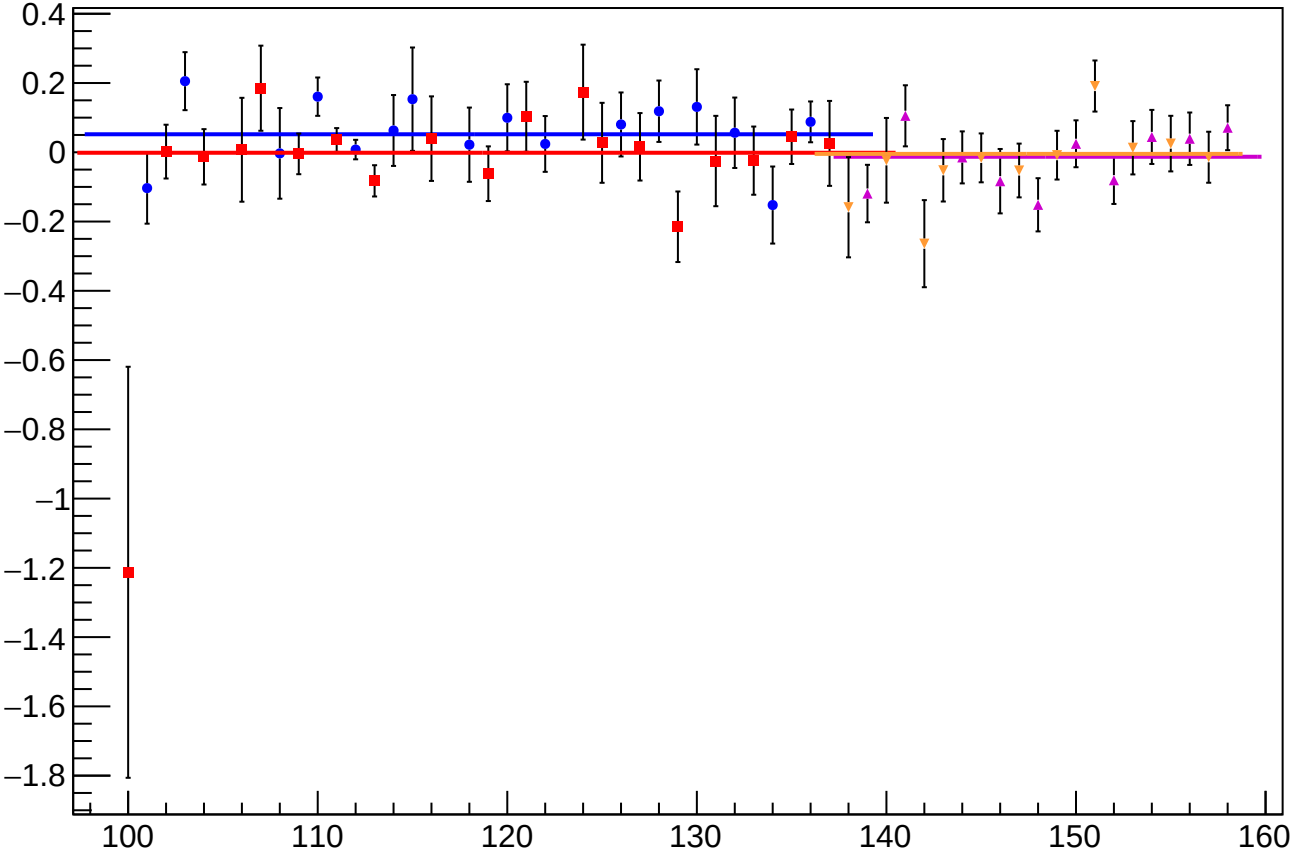
Left In: 0.000+/-0.000 χ^2/NDF:720150.5/9

+ sign 0.000+/-0.000 χ^2/NDF: 2398888.5/26

All: 0.000+/-0.000 χ^2/NDF: 4780167.9/55

- sign 0.000+/-0.000 χ^2/NDF: 2368223.3/28

asym_sam_48_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.005+/-0.025 χ^2/NDF:13.4/10

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

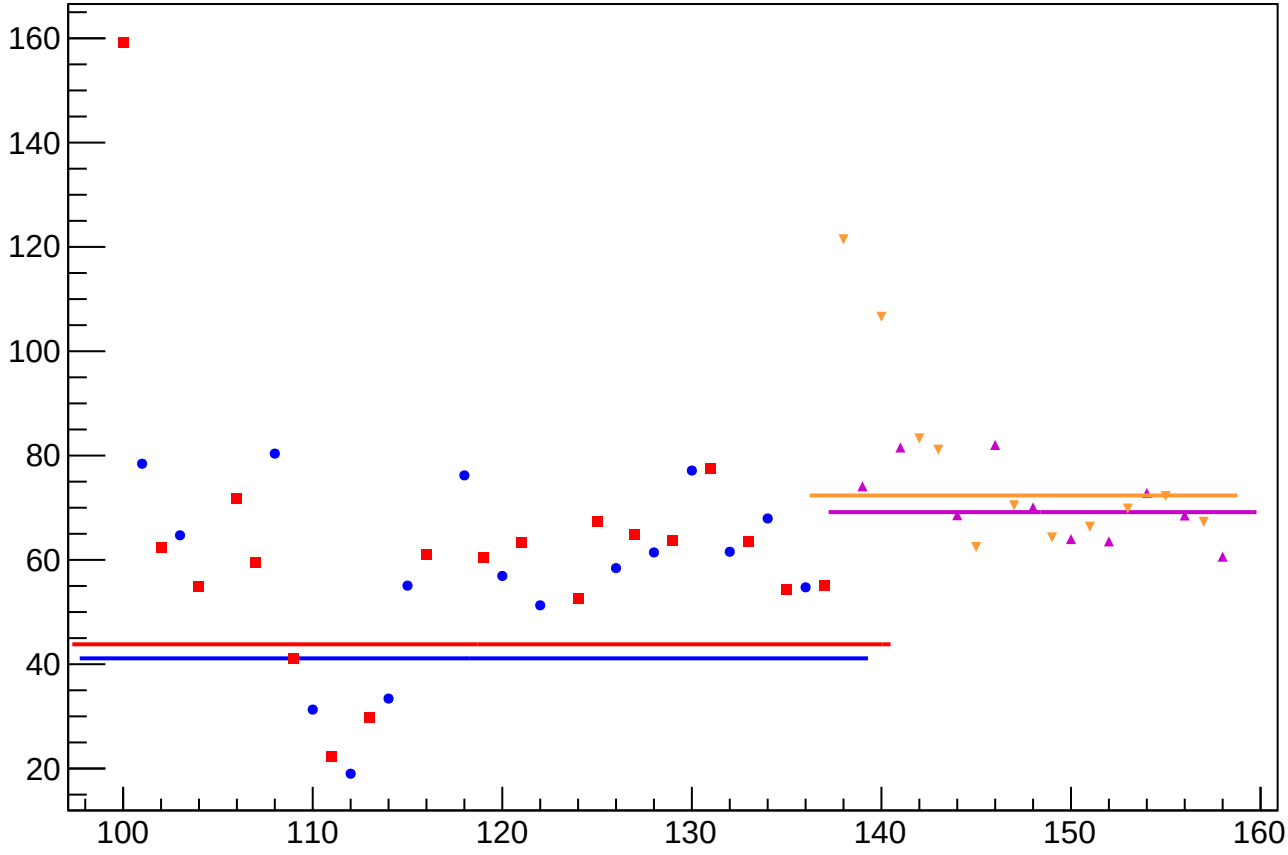
Left In: -0.013+/-0.024 χ^2/NDF:11.2/9

+ sign 0.033+/-0.015 χ^2/NDF: 34.7/26

All: 0.014+/-0.010 χ^2/NDF: 68.9/55

- sign -0.006+/-0.014 χ^2/NDF: 30.6/28

asym_sam_48_avg_dit_vs_cor_diff_rms vs Slug



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 72.354+/-0.018 χ^2/NDF:512489.6/10

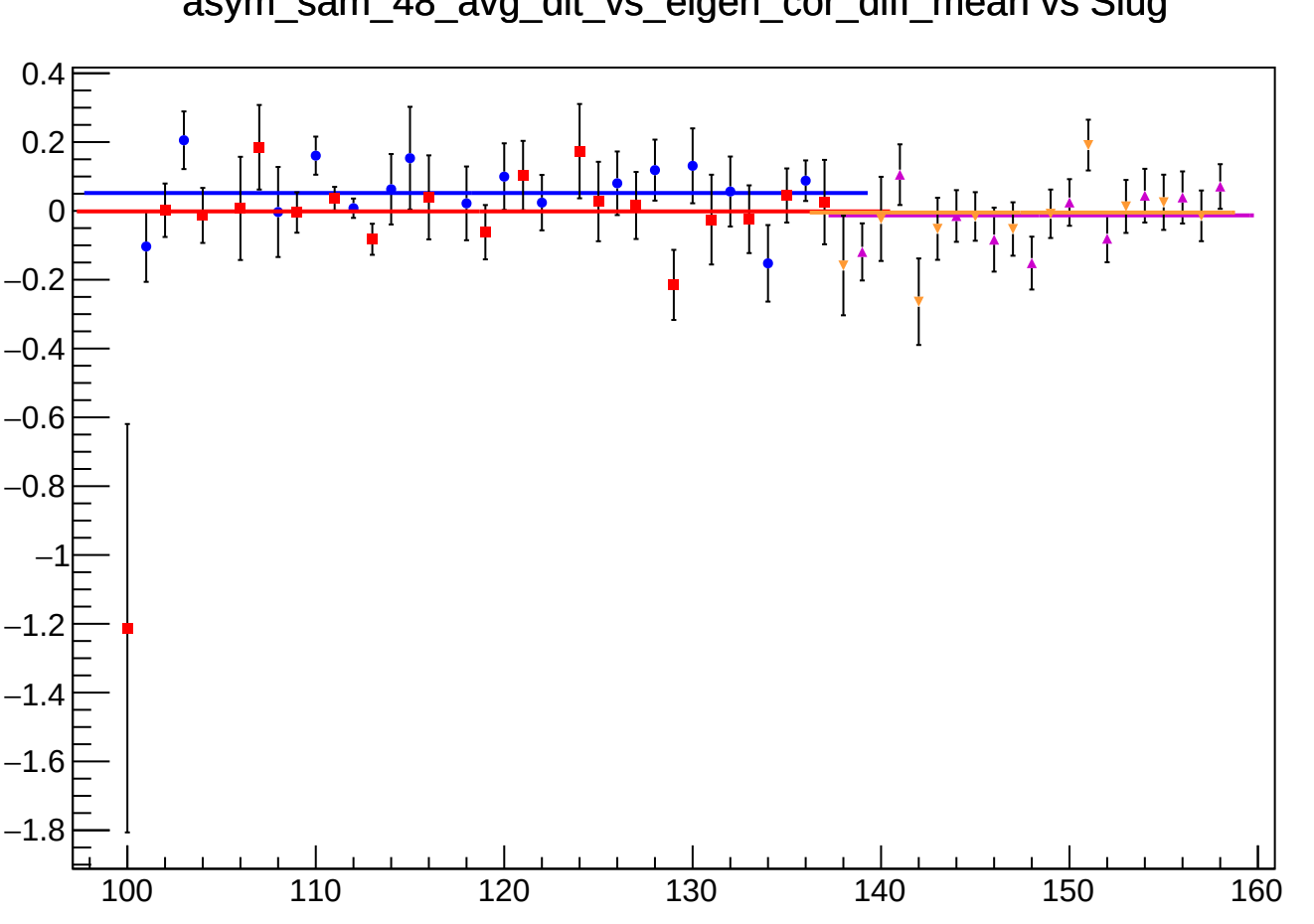
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 69.155+/-0.017 χ^2/NDF:149667.9/9

+ sign 51.436+/-0.010 χ^2/NDF: 5478065.9/26

All: 52.185+/-0.007 χ^2/NDF: 9121796.6/55

- sign 52.914+/-0.010 χ^2/NDF: 3633267.0/28



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.005+/-0.025 χ^2/NDF:13.4/10

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

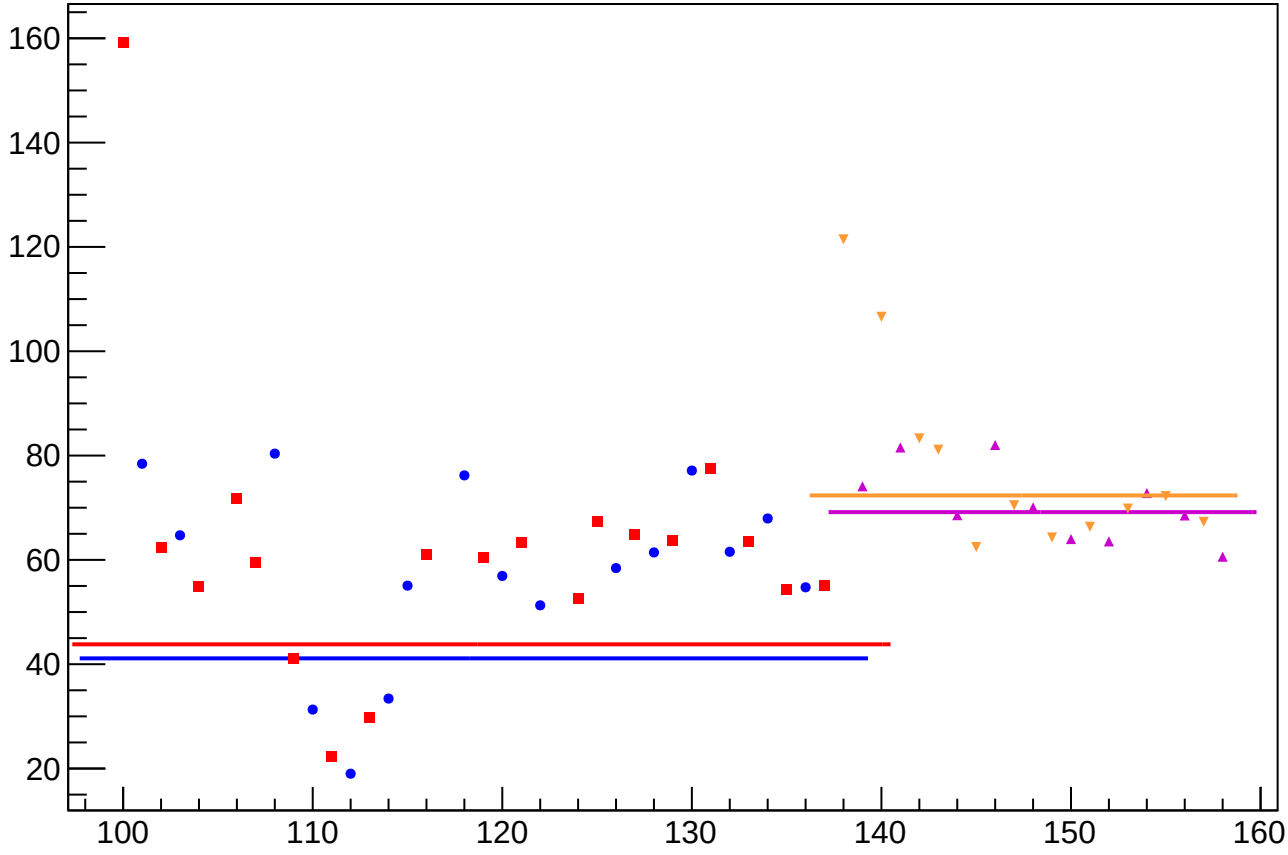
Left In: -0.013+/-0.024 χ^2/NDF:11.2/9

+ sign 0.033+/-0.015 χ^2/NDF: 34.7/26

All: 0.014+/-0.010 χ^2/NDF: 68.9/55

- sign -0.006+/-0.014 χ^2/NDF: 30.6/28

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 72.354+/-0.018 χ^2/NDF:512489.6/10

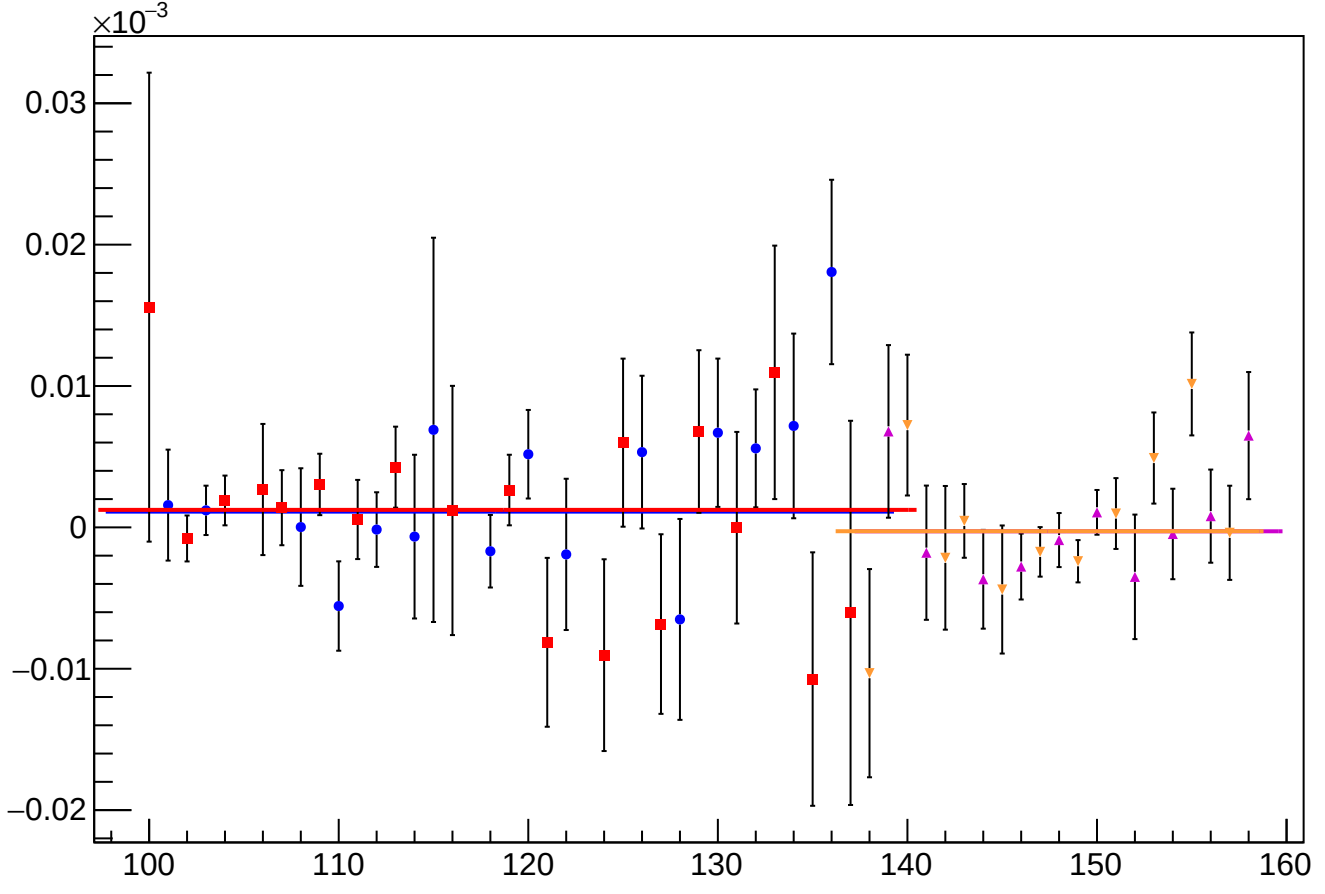
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 69.155+/-0.017 χ^2/NDF:149667.9/9

+ sign 51.436+/-0.010 χ^2/NDF: 5478065.9/26

All: 52.185+/-0.007 χ^2/NDF: 9121796.6/55

- sign 52.914+/-0.010 χ^2/NDF: 3633267.0/28



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.9/10

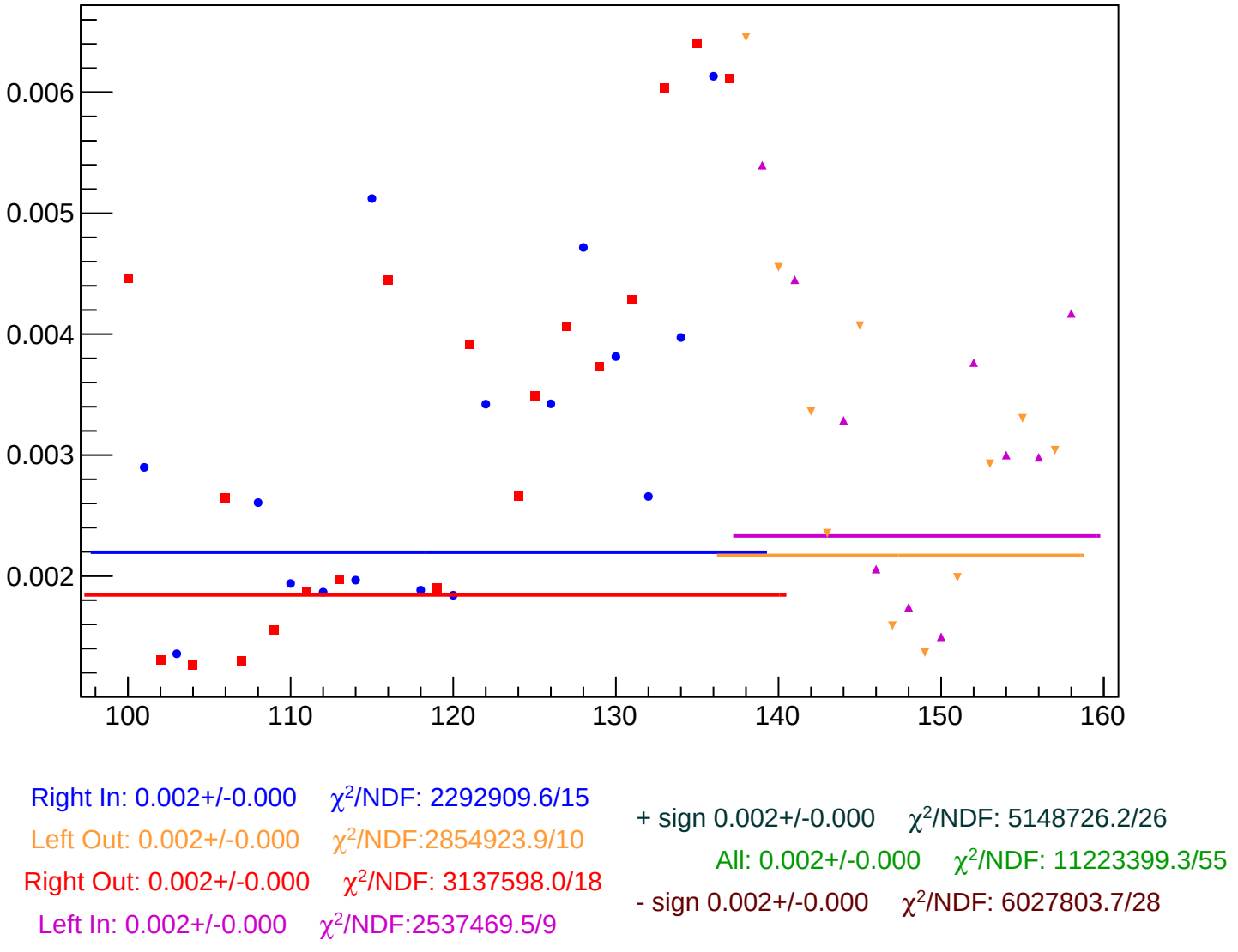
Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

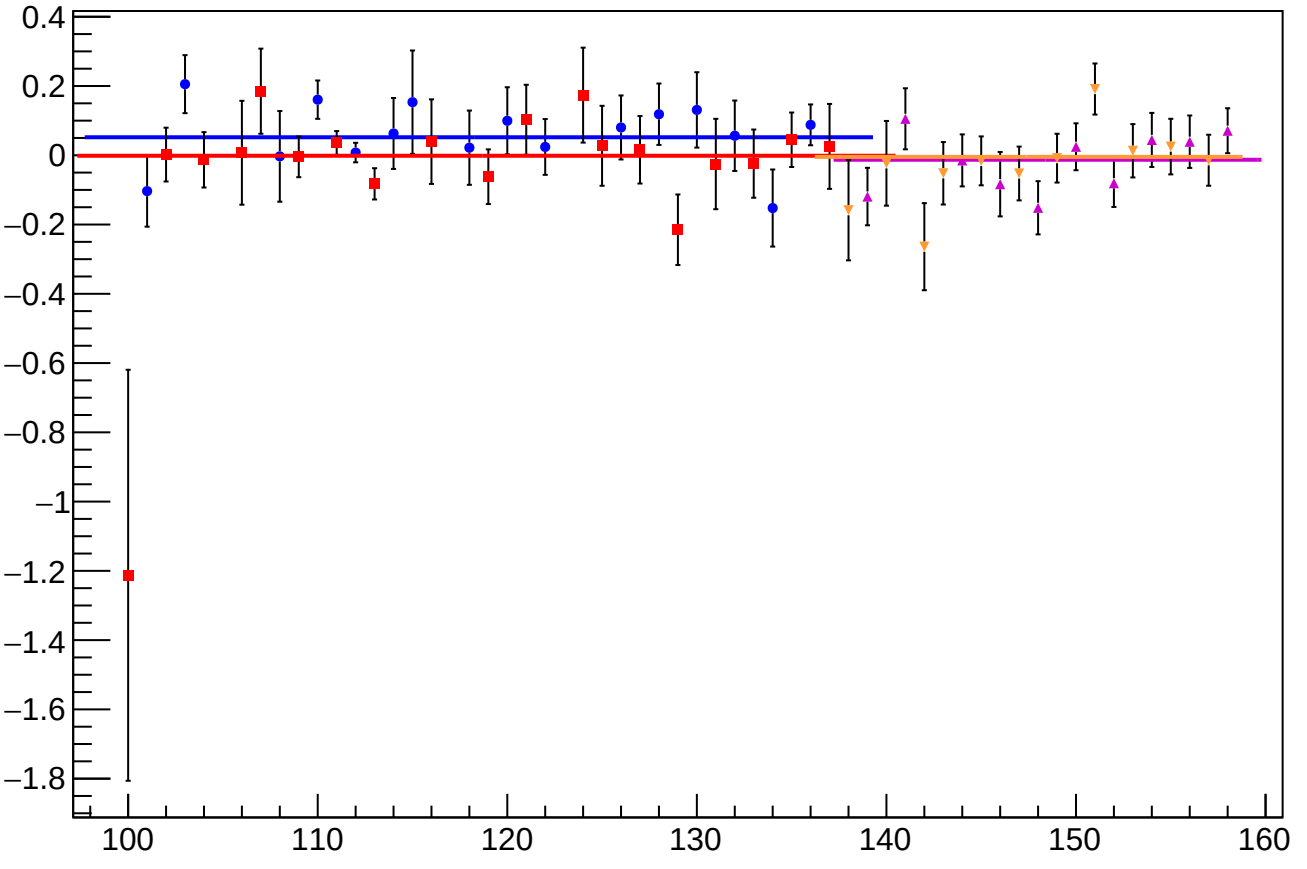
Left In: -0.000+/-0.000 χ^2/NDF:7.3/9

+ sign 0.000+/-0.000 χ^2/NDF: 40.1/26

All: 0.000+/-0.000 χ^2/NDF: 65.1/55

- sign 0.000+/-0.000 χ^2/NDF: 24.9/28


asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.006
0.005
0.004
0.003
0.002
100
110
120
130
140
150
160
Right In: 0.002+/-0.000 χ²/NDF: 2292909.6/15
Left Out: 0.002+/-0.000 χ²/NDF:2854923.9/10
Right Out: 0.002+/-0.000 χ²/NDF: 3137598.0/18
Left In: 0.002+/-0.000 χ²/NDF:2537469.5/9
+ sign 0.002+/-0.000 χ²/NDF: 5148726.2/26
All: 0.002+/-0.000 χ²/NDF: 11223399.3/55
- sign 0.002+/-0.000 χ²/NDF: 6027803.7/28



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.005+/-0.025 χ^2/NDF:13.4/10

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

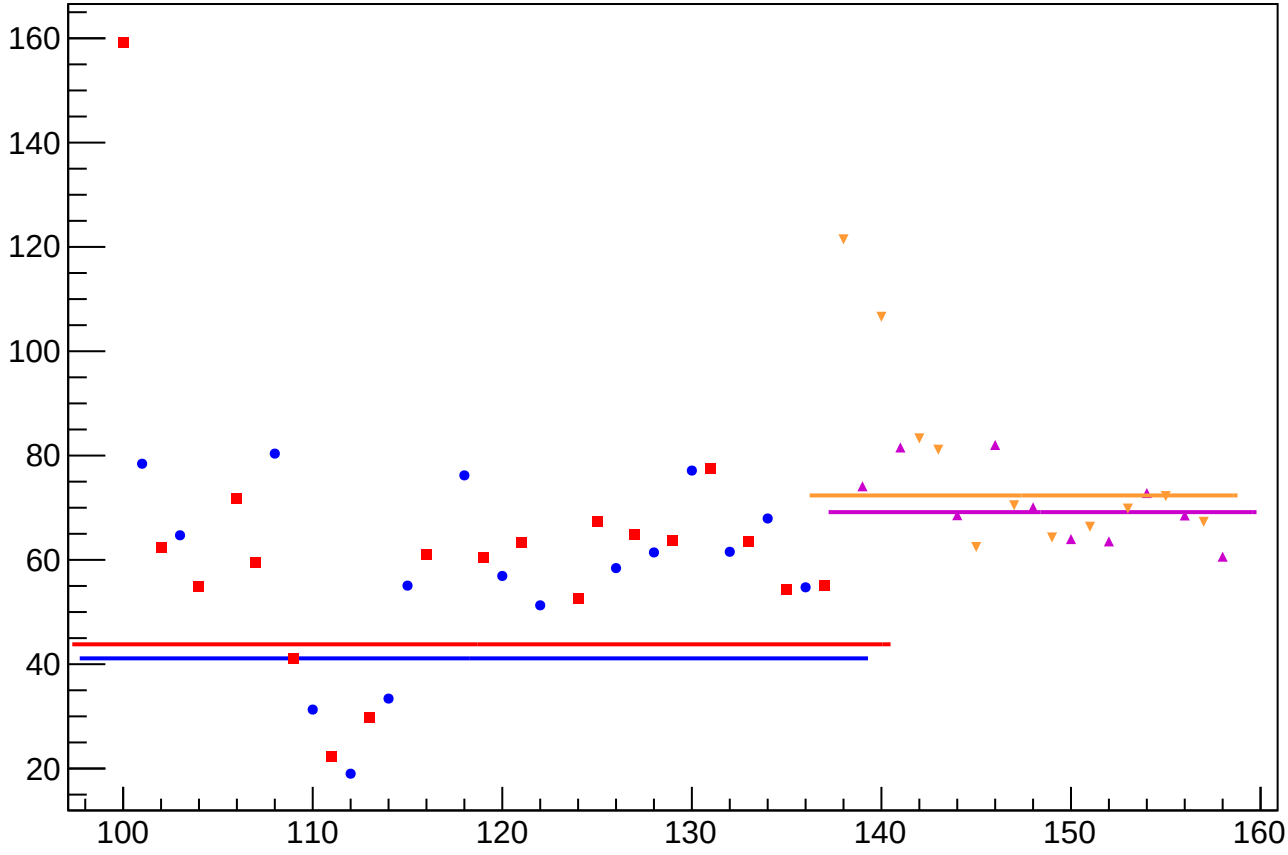
Left In: -0.013+/-0.024 χ^2/NDF:11.2/9

+ sign 0.033+/-0.015 χ^2/NDF: 34.7/26

All: 0.014+/-0.010 χ^2/NDF: 68.9/55

- sign -0.006+/-0.014 χ^2/NDF: 30.6/28

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 72.355+/-0.018 χ^2/NDF:512464.9/10

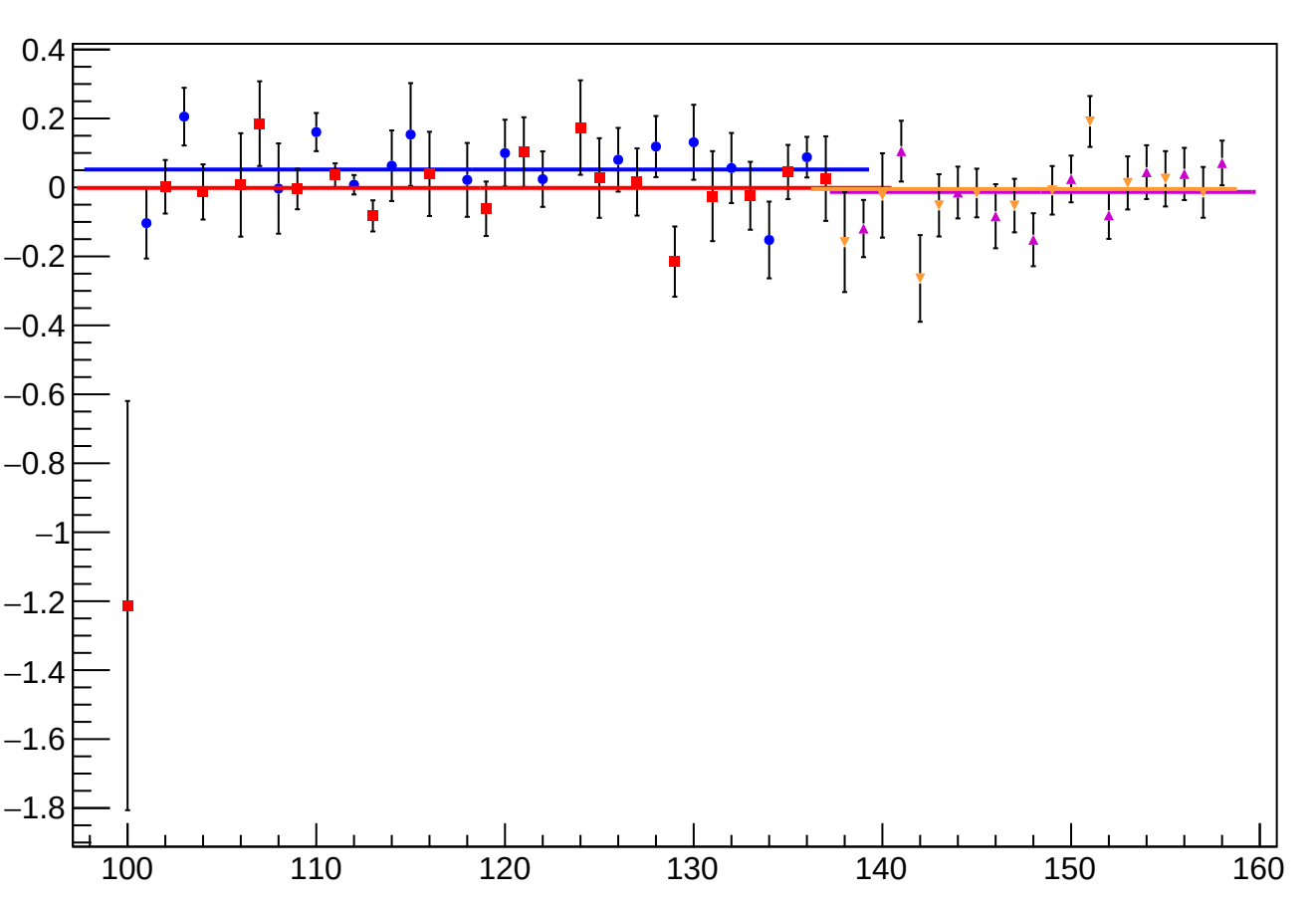
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 69.156+/-0.017 χ^2/NDF:149666.9/9

+ sign 51.435+/-0.010 χ^2/NDF: 5478430.3/26

All: 52.184+/-0.007 χ^2/NDF: 9122519.4/55

- sign 52.914+/-0.010 χ^2/NDF: 3633623.8/28



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.005+/-0.025 χ^2/NDF:13.4/10

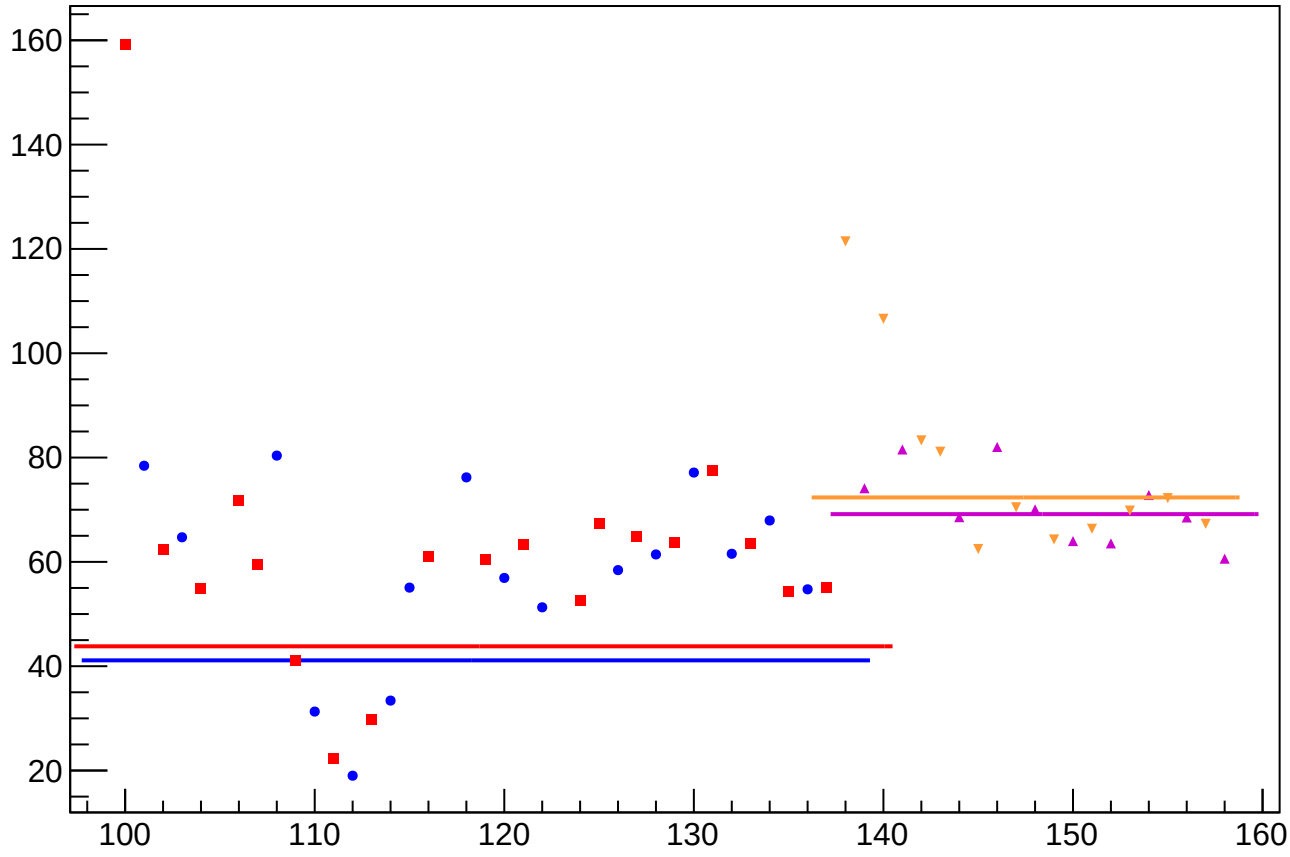
Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.013+/-0.024 χ^2/NDF:11.2/9

+ sign 0.033+/-0.015 χ^2/NDF: 34.7/26

All: 0.014+/-0.010 χ^2/NDF: 68.9/55

- sign -0.006+/-0.014 χ^2/NDF: 30.6/28



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 72.355+/-0.018 χ^2/NDF:512464.9/10

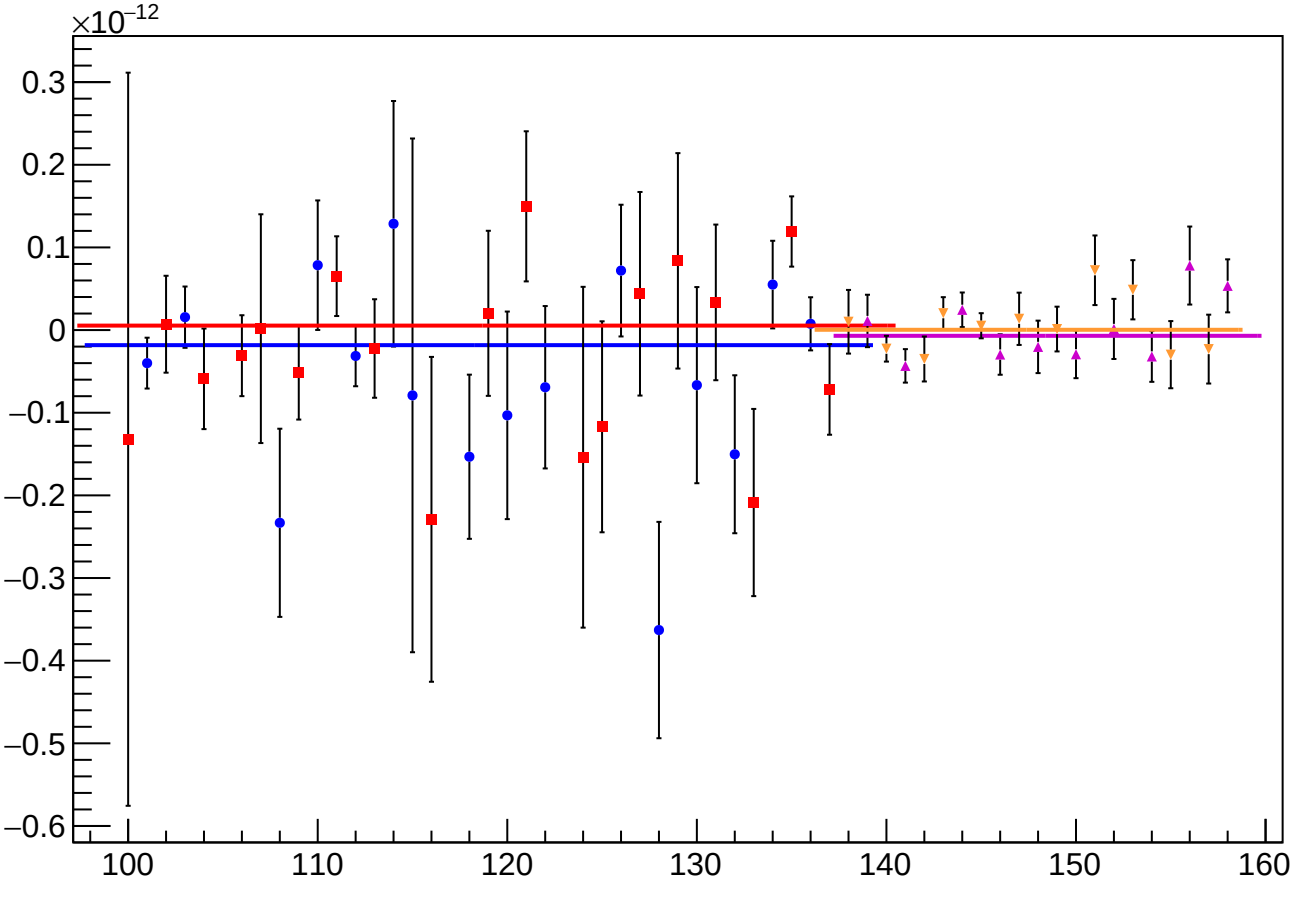
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 69.156+/-0.017 χ^2/NDF:149666.9/9

+ sign 51.435+/-0.010 χ^2/NDF: 5478430.3/26

All: 52.184+/-0.007 χ^2/NDF: 9122519.4/55

- sign 52.914+/-0.010 χ^2/NDF: 3633623.8/28



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.9/10

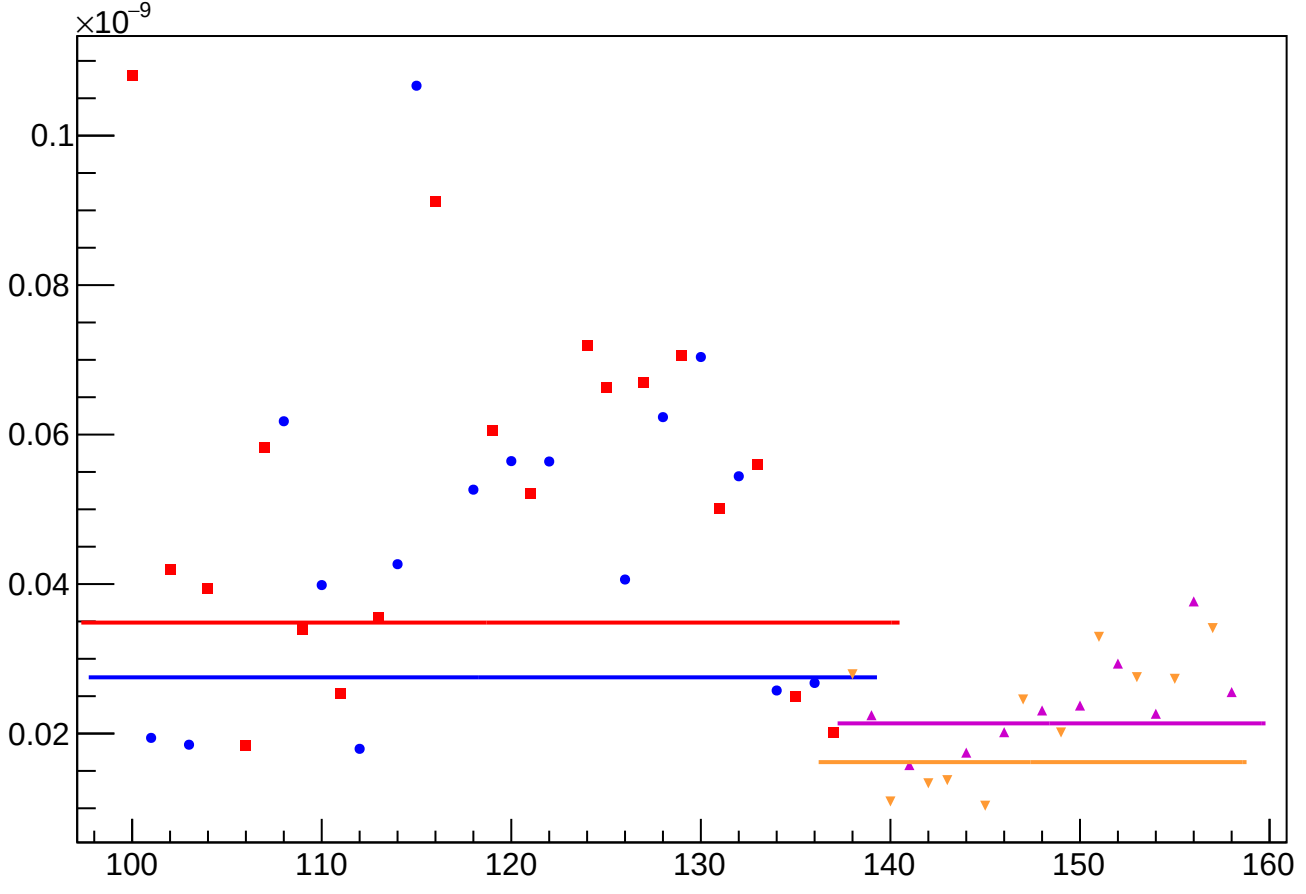
Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: -0.000+/-0.000 χ^2/NDF:14.9/9

+ sign -0.000+/-0.000 χ^2/NDF: 35.2/26

All: -0.000+/-0.000 χ^2/NDF: 73.8/55

- sign -0.000+/-0.000 χ^2/NDF: 38.7/28



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1983304.7/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

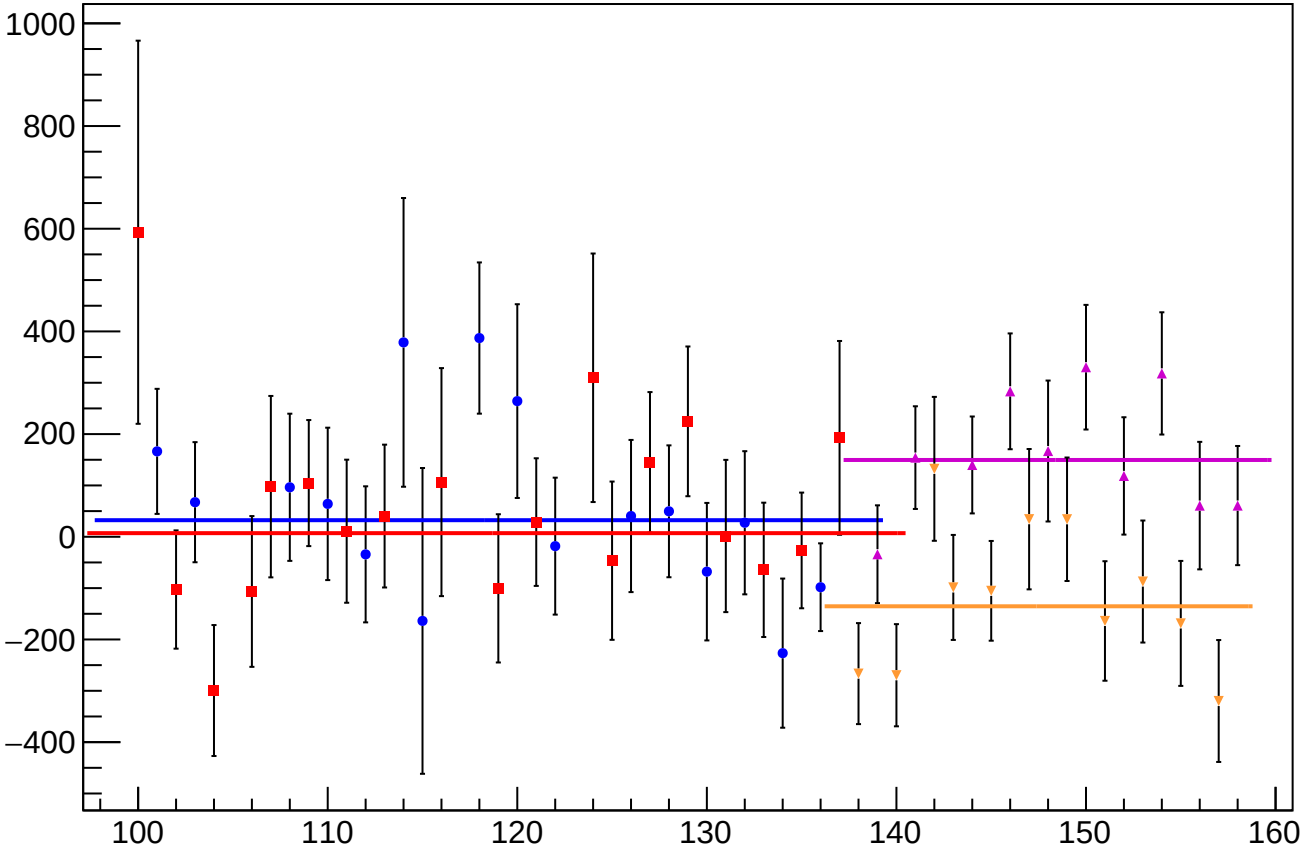
Left In: 0.000+/-0.000 χ^2/NDF:621696.2/9

+ sign 0.000+/-0.000 χ^2/NDF: 4760914.5/26

All: 0.000+/-0.000 χ^2/NDF: 8708001.3/55

- sign 0.000+/-0.000 χ^2/NDF: 3318044.1/28

reg_asym_sam_15_dd_mean vs Slug



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

Left Out: -135.391+/-34.048 χ^2/NDF:13.7/10

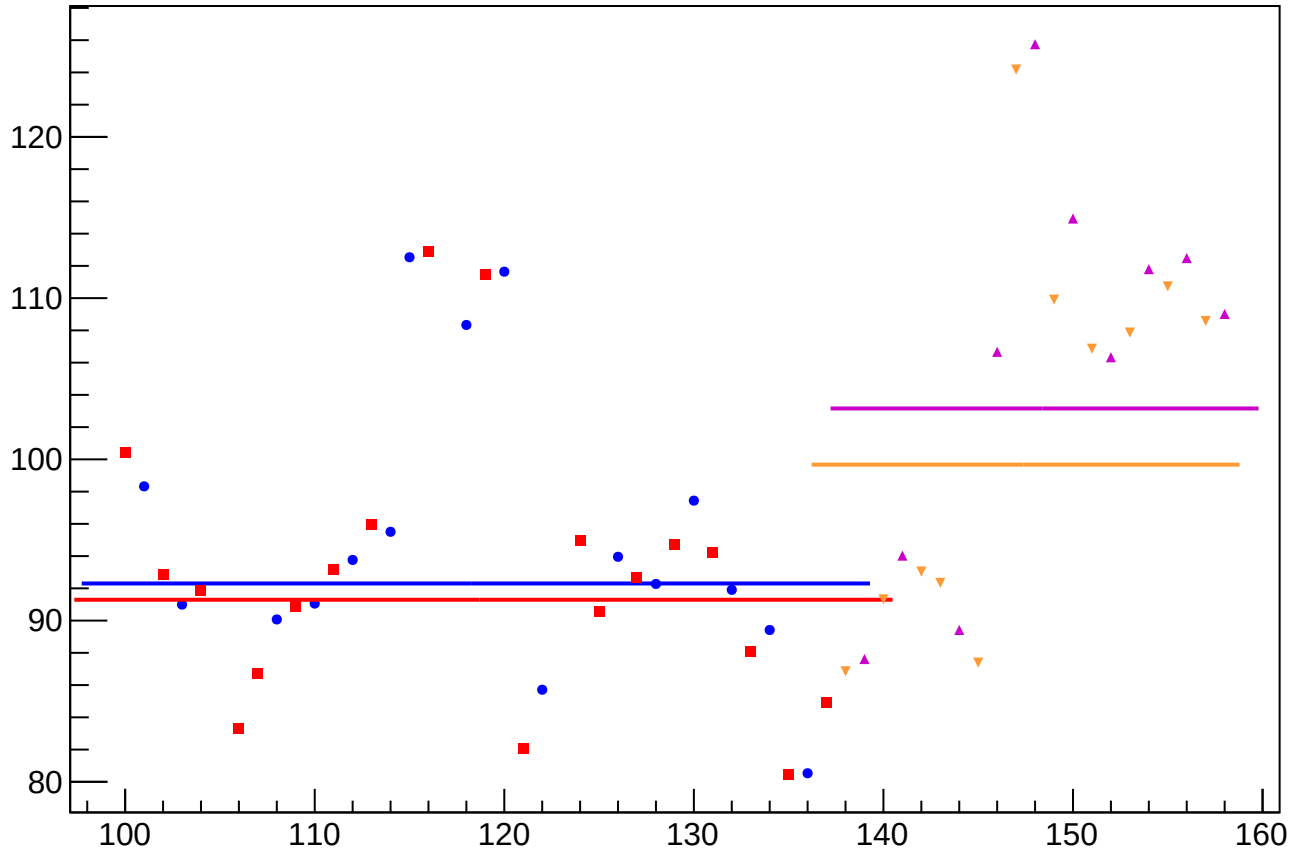
Right Out: 7.070+/-33.420 χ^2/NDF: 17.8/18

Left In: 149.586+/-35.173 χ^2/NDF:10.5/9

+ sign -52.480+/-24.209 χ^2/NDF: 43.0/26

All: 11.055+/-17.125 χ^2/NDF: 93.7/55

- sign 74.688+/-24.228 χ^2/NDF: 36.9/28



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 99.673+/-0.024 χ^2/NDF:218460.9/10

Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

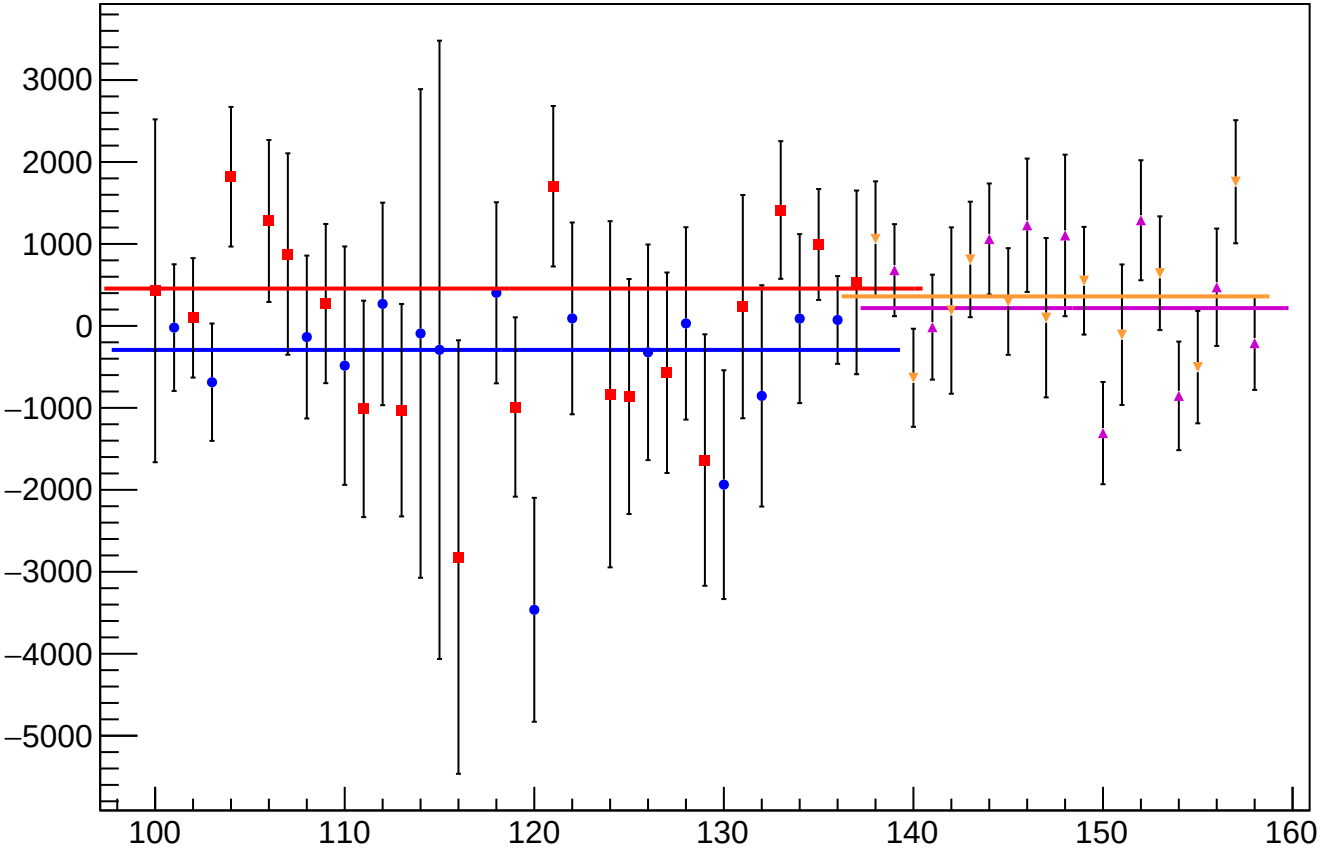
Left In: 103.157+/-0.025 χ^2/NDF:215721.8/9

+ sign 96.029+/-0.017 χ^2/NDF: 371869.5/26

All: 96.475+/-0.012 χ^2/NDF: 813625.3/55

- sign 96.922+/-0.017 χ^2/NDF: 440394.2/28

asym_sam_15_dd_reg_correction_mean vs Slug



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 360.353+/-218.877 χ^2/NDF:9.9/10

Right Out: 455.830+/-248.717 χ^2/NDF: 16.9/18

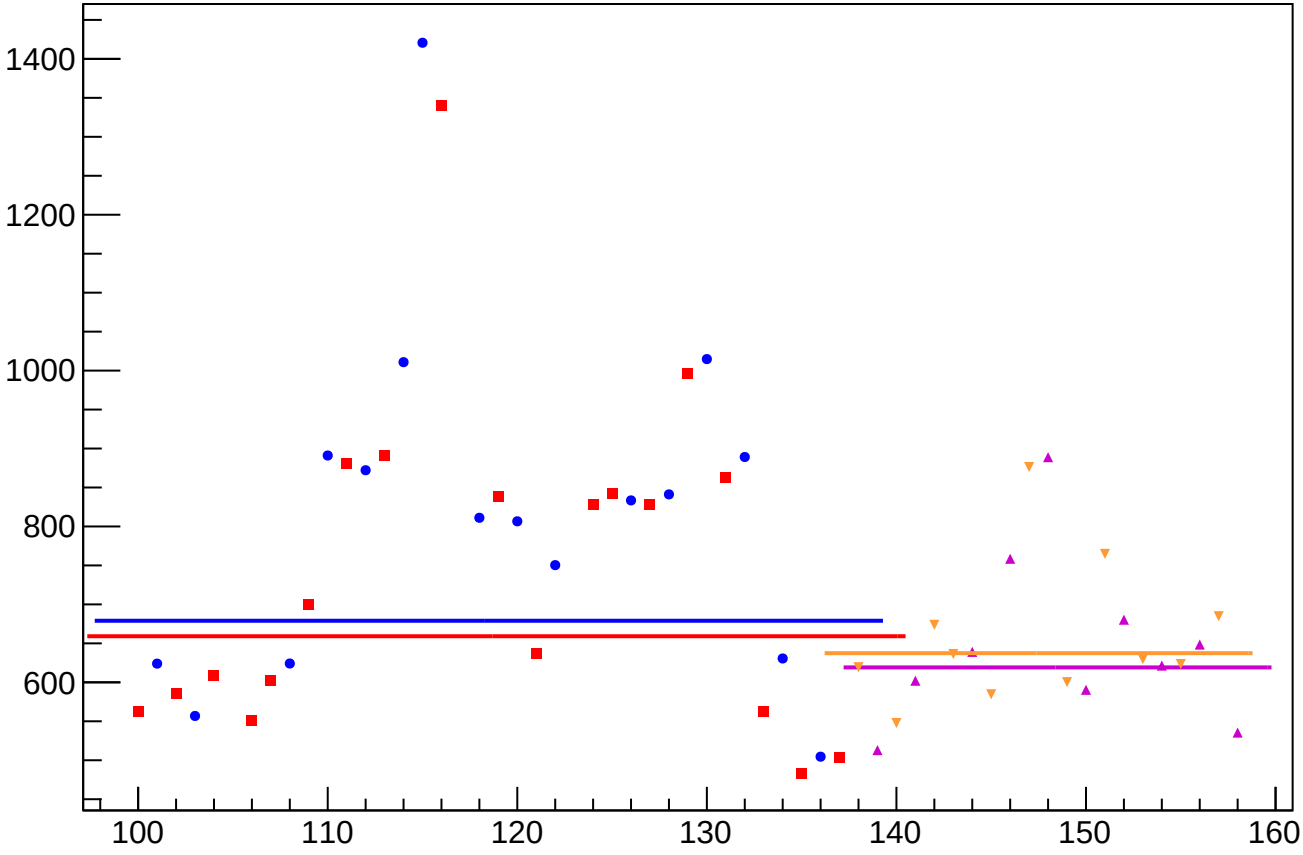
Left In: 217.569+/-212.890 χ^2/NDF:16.1/9

+ sign 89.098+/-167.361 χ^2/NDF: 22.4/26

All: 207.627+/-116.301 χ^2/NDF: 56.9/55

- sign 318.318+/-161.733 χ^2/NDF: 33.5/28

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 637.408+/-0.155 χ^2/NDF:242139.0/10

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

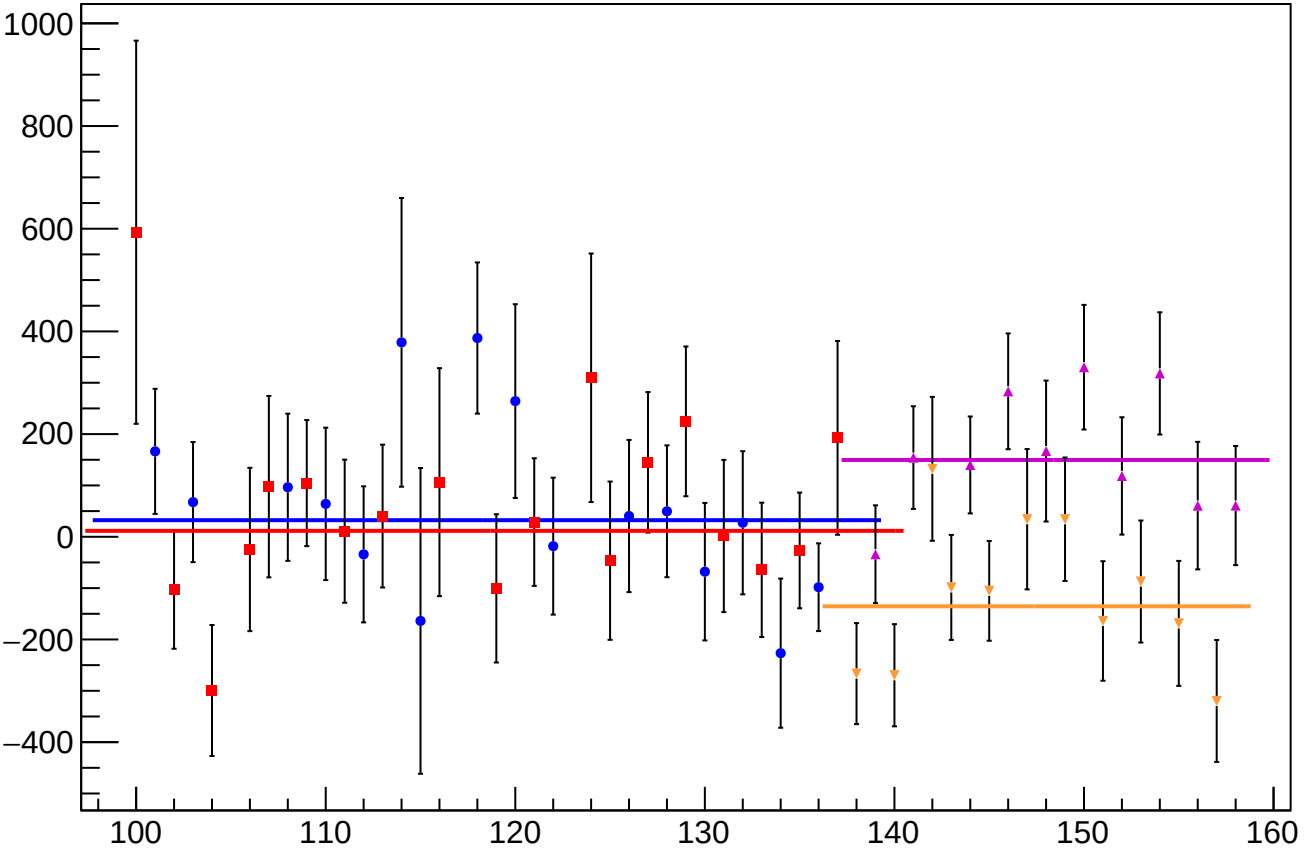
Left In: 619.138+/-0.151 χ^2/NDF:347671.3/9

+ sign 654.683+/-0.118 χ^2/NDF: 1040121.8/26

All: 645.048+/-0.082 χ^2/NDF: 2226338.2/55

- sign 636.050+/-0.114 χ^2/NDF: 1173397.1/28

cor_asym_sam_15_dd_mean vs Slug



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -135.389+/-34.048 χ^2/NDF:13.7/10

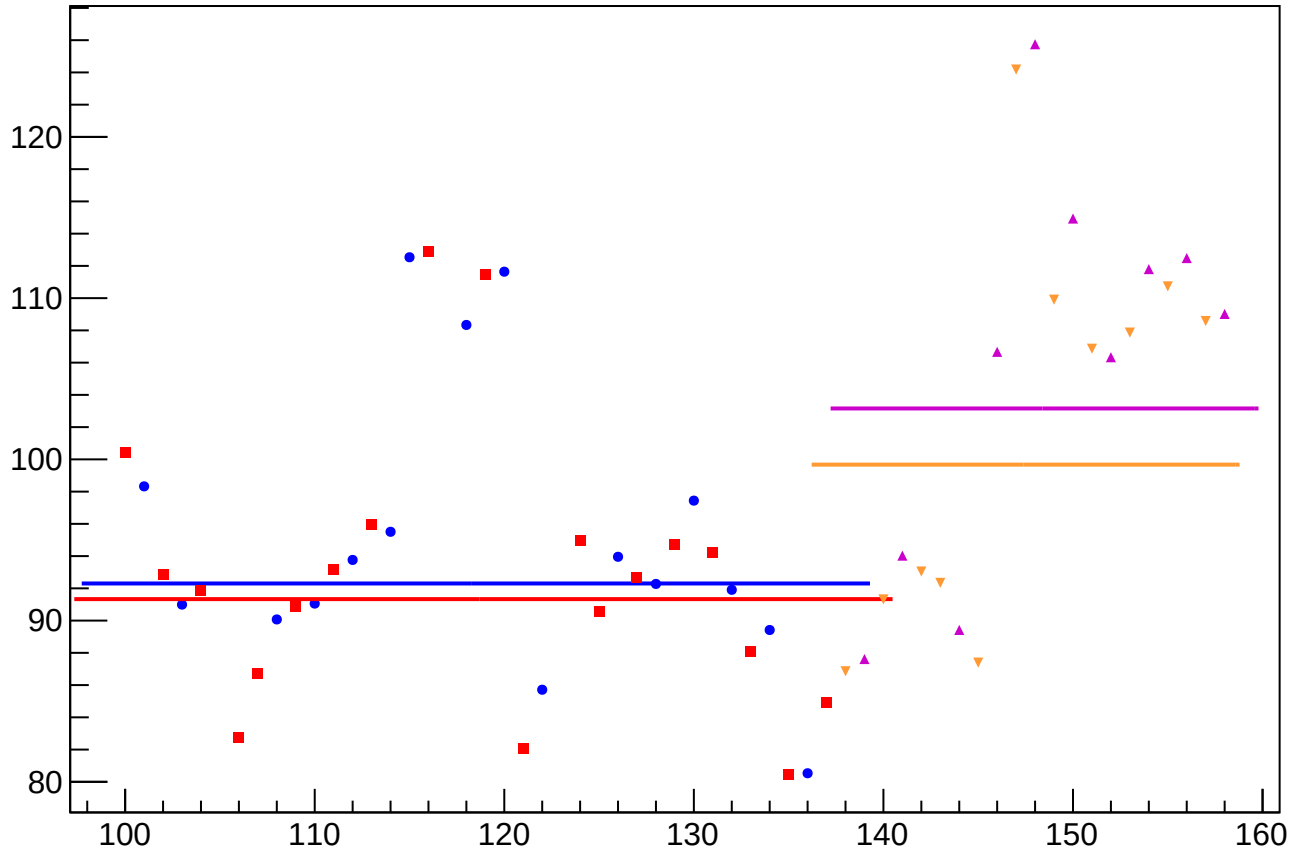
Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: 149.588+/-35.173 χ^2/NDF:10.5/9

\+ sign -52.471+/-24.209 χ^2/NDF: 43.0/26

All: 12.244+/-17.142 χ^2/NDF: 93.1/55

\- sign 77.321+/-24.276 χ^2/NDF: 35.8/28



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 99.673+/-0.024 χ^2/NDF:218460.9/10

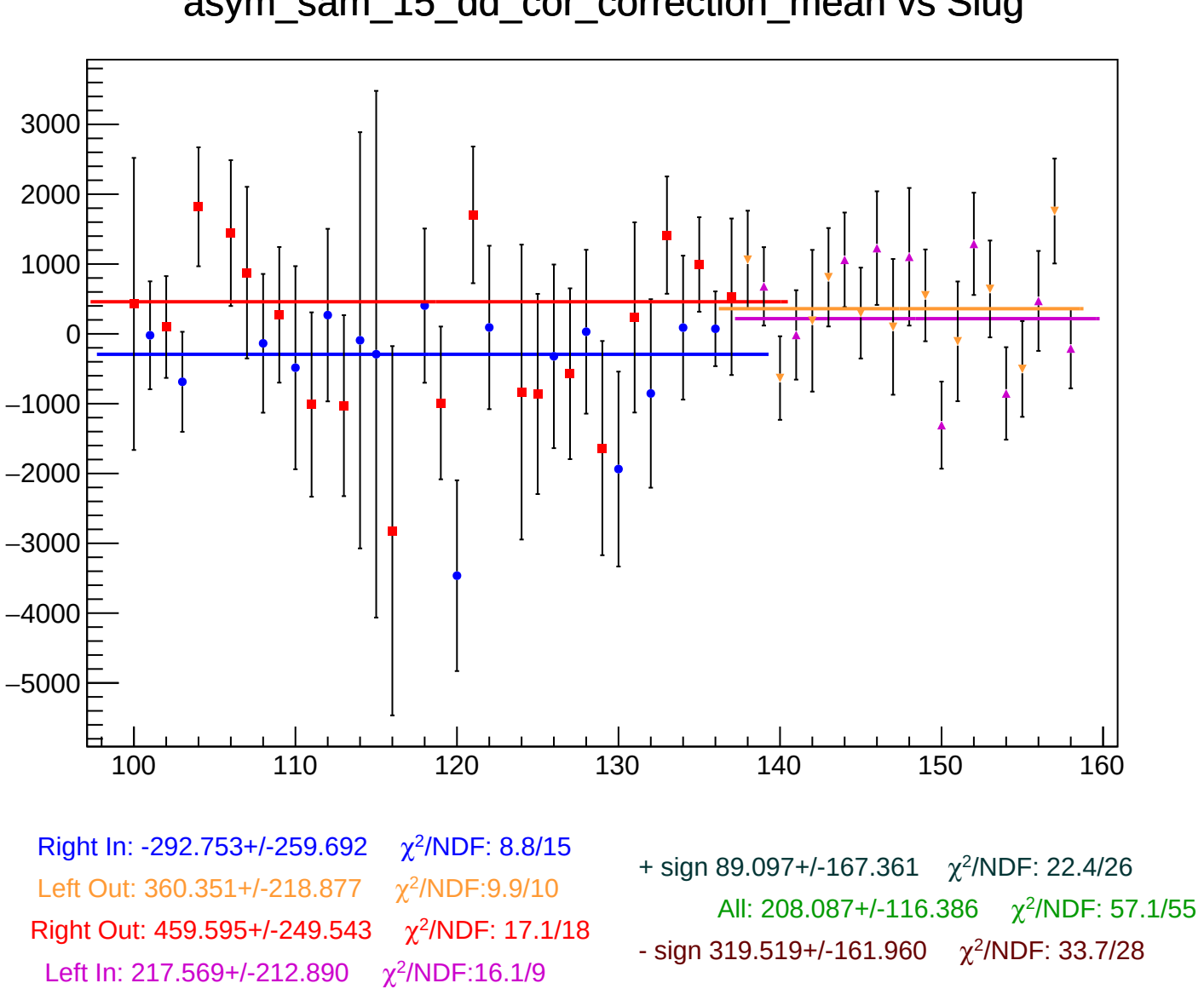
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 103.157+/-0.025 χ^2/NDF:215721.8/9

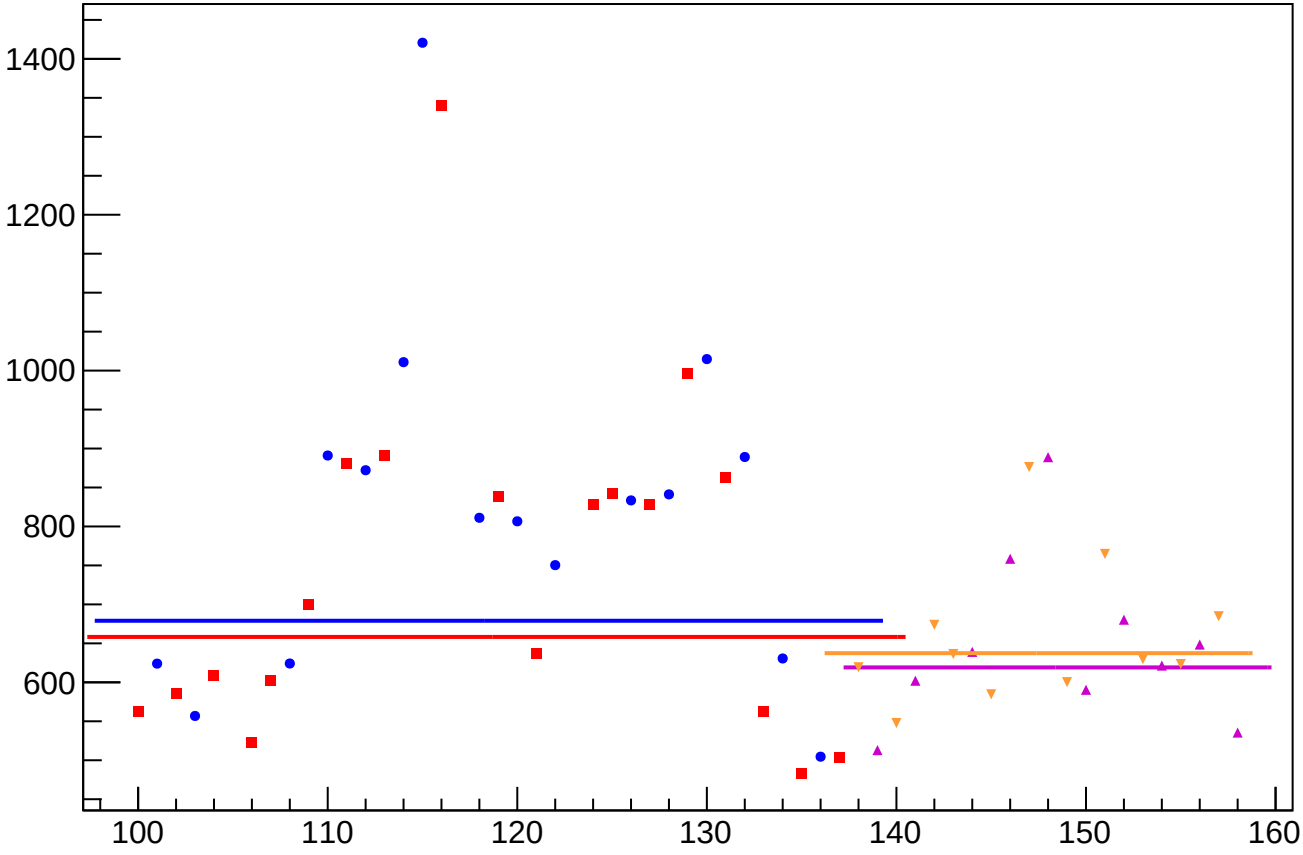
+ sign 96.029+/-0.017 χ^2/NDF: 371869.5/26

All: 96.496+/-0.012 χ^2/NDF: 812372.9/55

- sign 96.965+/-0.017 χ^2/NDF: 439011.4/28


asym_sam_15_dd_cor_correction_mean vs Slug
3000
2000
1000
0
−1000
−2000
−3000
−4000
−5000
100
110
120
130
140
150
160
Right In: -292.753+/-259.692 χ²/NDF: 8.8/15
Left Out: 360.351+/-218.877 χ²/NDF:9.9/10
Right Out: 459.595+/-249.543 χ²/NDF: 17.1/18
Left In: 217.569+/-212.890 χ²/NDF:16.1/9
+ sign 89.097+/-167.361 χ²/NDF: 22.4/26
All: 208.087+/-116.386 χ²/NDF: 57.1/55
- sign 319.519+/-161.960 χ²/NDF: 33.7/28

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 637.408+/-0.155 χ^2/NDF:242139.6/10

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

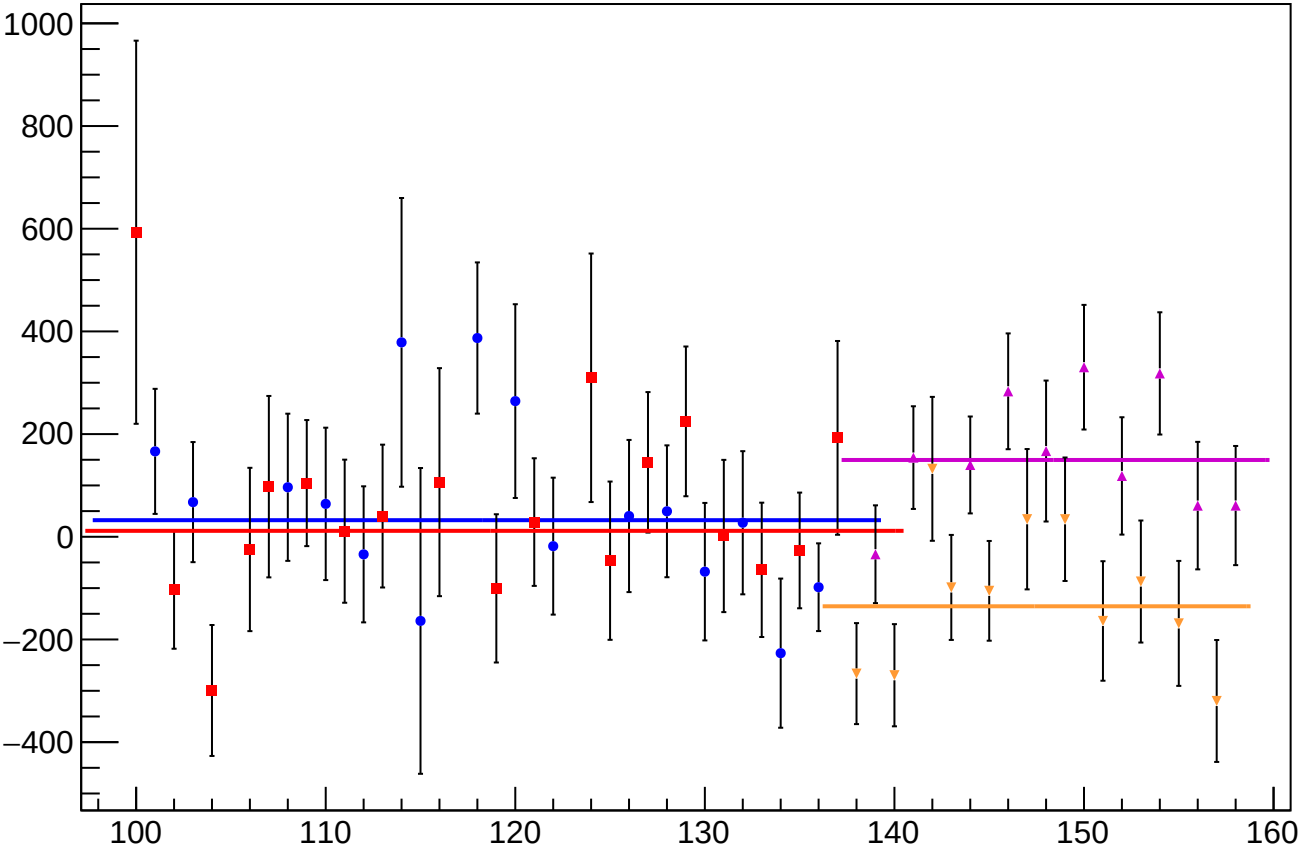
Left In: 619.139+/-0.151 χ^2/NDF:347670.3/9

+ sign 654.683+/-0.118 χ^2/NDF: 1040123.7/26

All: 644.838+/-0.082 χ^2/NDF: 2235545.8/55

- sign 635.619+/-0.115 χ^2/NDF: 1182020.3/28

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -135.389+/-34.048 χ^2/NDF:13.7/10

Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

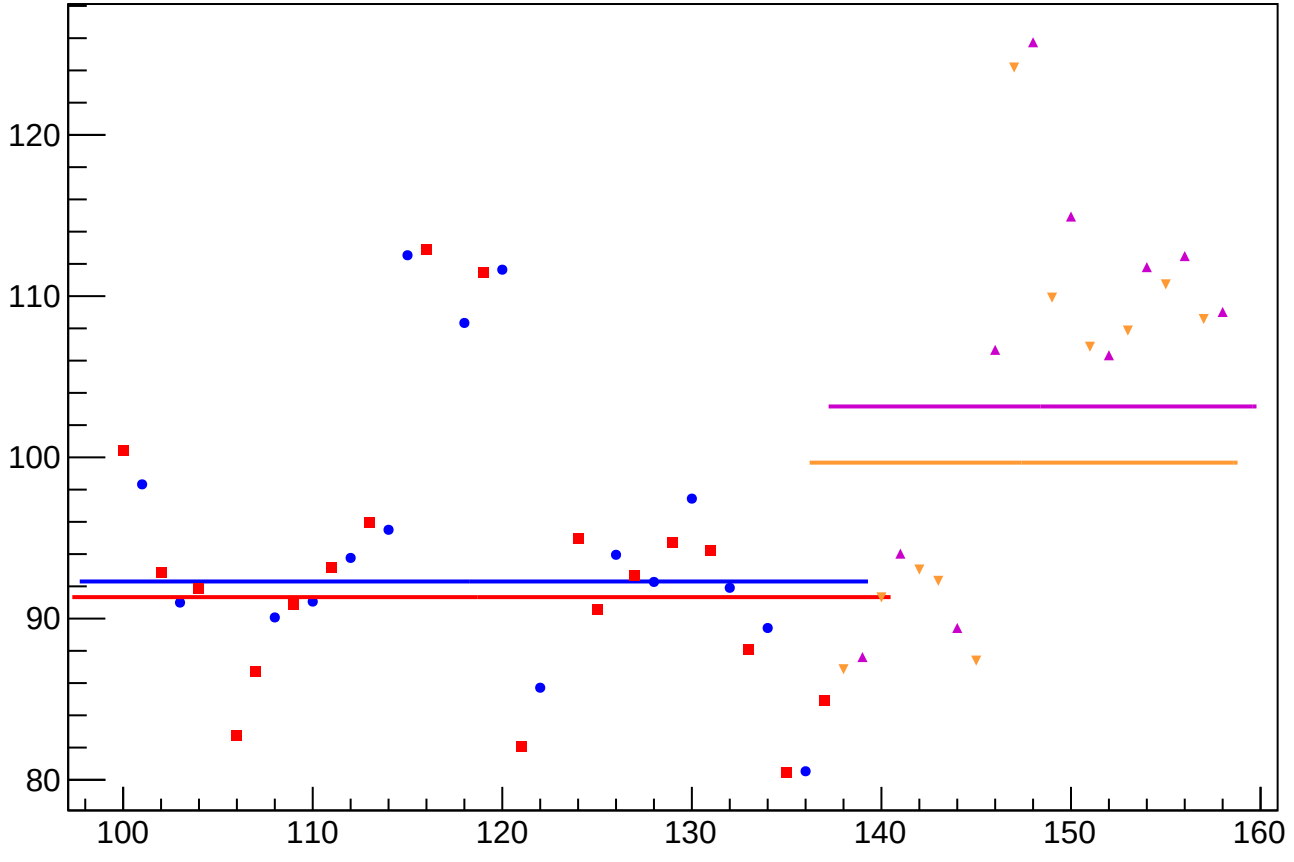
Left In: 149.588+/-35.173 χ^2/NDF:10.5/9

+ sign -52.471+/-24.209 χ^2/NDF: 43.0/26

All: 12.244+/-17.142 χ^2/NDF: 93.1/55

- sign 77.321+/-24.276 χ^2/NDF: 35.8/28

eigen_cor_asym_sam_15_dd_rms vs Slug



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 99.673+/-0.024 χ^2/NDF:218460.9/10

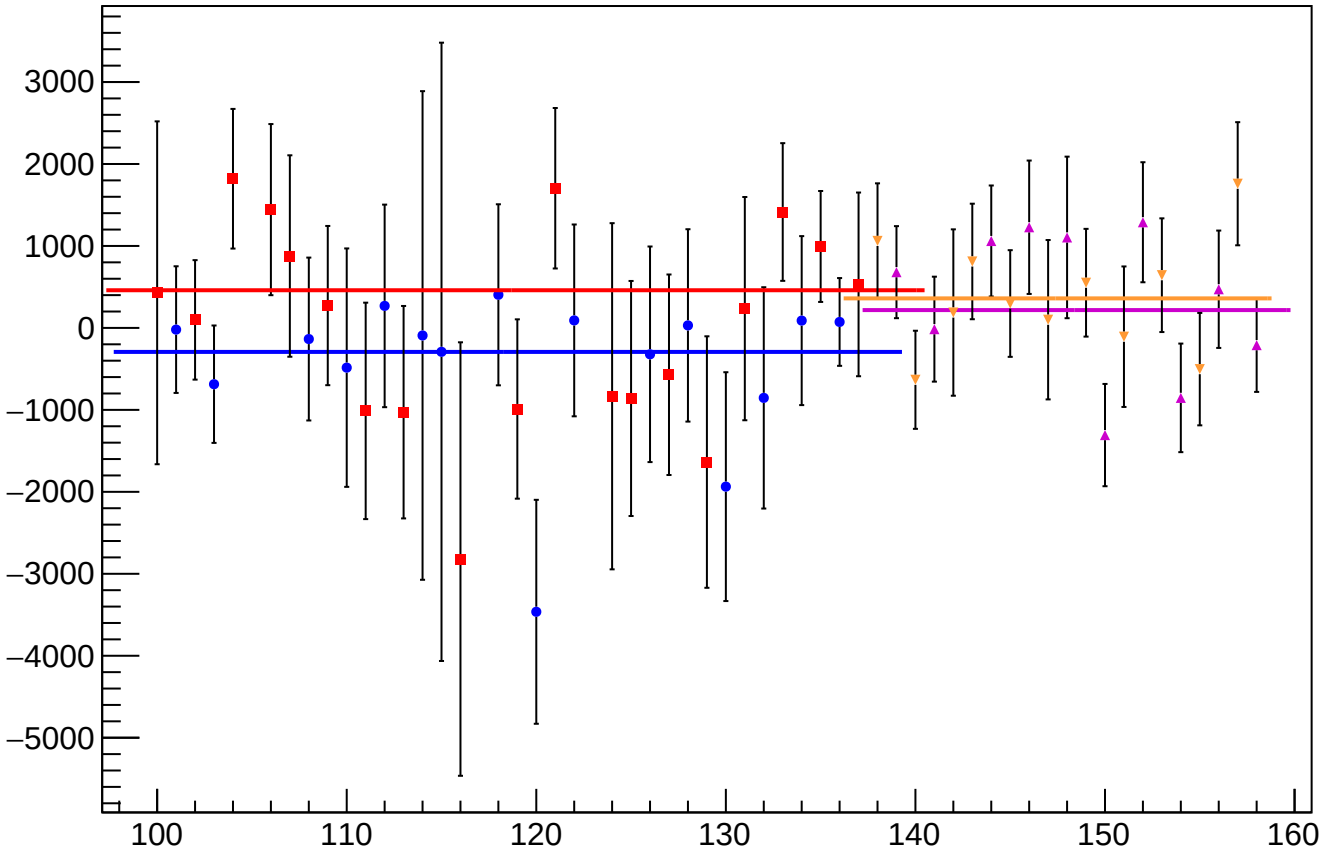
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 103.157+/-0.025 χ^2/NDF:215721.8/9

+ sign 96.029+/-0.017 χ^2/NDF: 371869.5/26

All: 96.496+/-0.012 χ^2/NDF: 812372.9/55

- sign 96.965+/-0.017 χ^2/NDF: 439011.4/28



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 360.351+/-218.877 χ^2/NDF:9.9/10

Right Out: 459.595+/-249.543 χ^2/NDF: 17.1/18

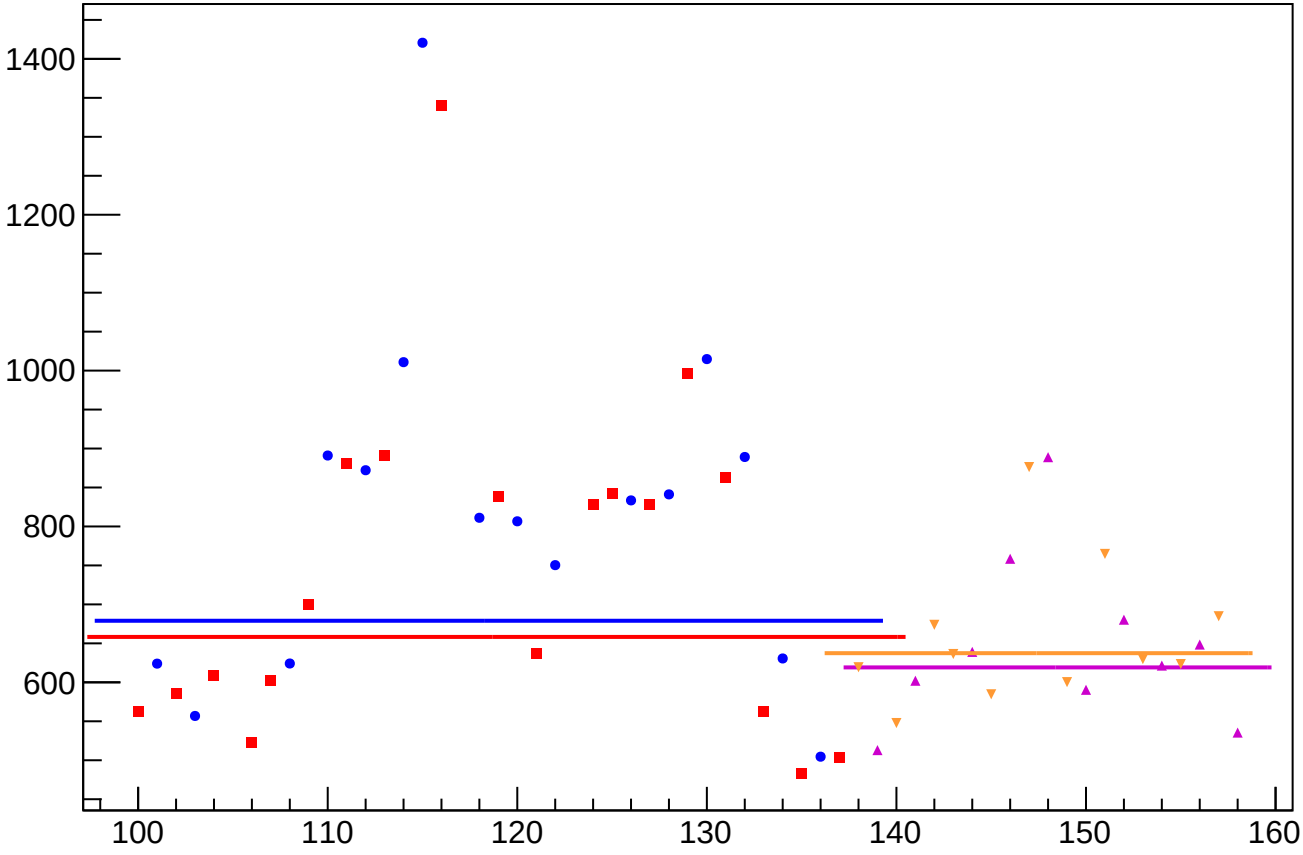
Left In: 217.569+/-212.890 χ^2/NDF:16.1/9

+ sign 89.097+/-167.361 χ^2/NDF: 22.4/26

All: 208.087+/-116.386 χ^2/NDF: 57.1/55

- sign 319.519+/-161.960 χ^2/NDF: 33.7/28

asym_sam_15_dd_eigen_cor_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 637.408+/-0.155 χ^2/NDF:242139.6/10

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

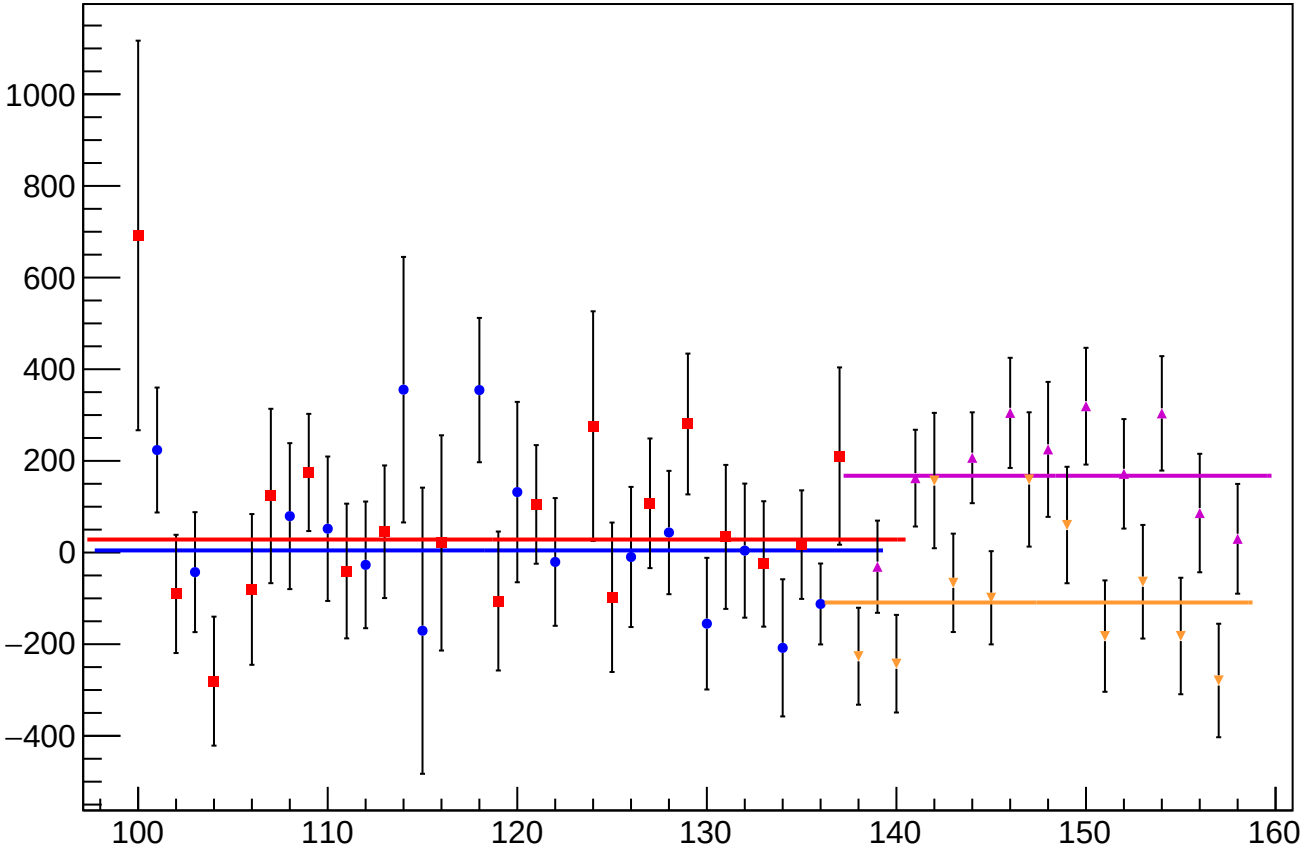
Left In: 619.139+/-0.151 χ^2/NDF:347670.3/9

+ sign 654.683+/-0.118 χ^2/NDF: 1040123.7/26

All: 644.838+/-0.082 χ^2/NDF: 2235545.8/55

- sign 635.619+/-0.115 χ^2/NDF: 1182020.3/28

dit_asym_sam_15_dd_mean vs Slug



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -109.026+/-35.920 χ^2/NDF:14.1/10

Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

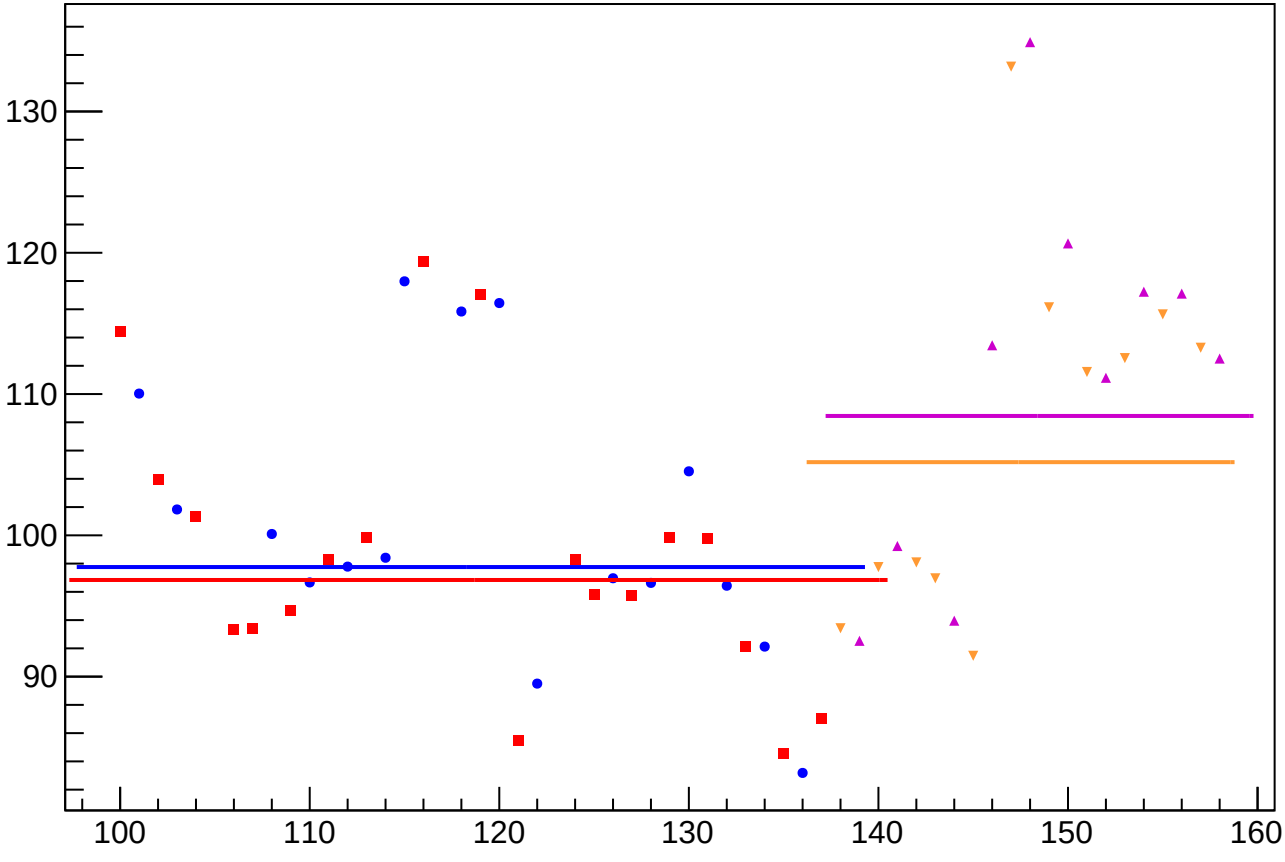
Left In: 167.539+/-36.985 χ^2/NDF:9.8/9

+ sign -53.127+/-25.605 χ^2/NDF: 34.3/26

All: 20.983+/-18.103 χ^2/NDF: 85.4/55

- sign 95.054+/-25.598 χ^2/NDF: 34.3/28

dit_asym_sam_15_dd_rms vs Slug



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 105.180+/-0.025 χ^2/NDF:209567.4/10

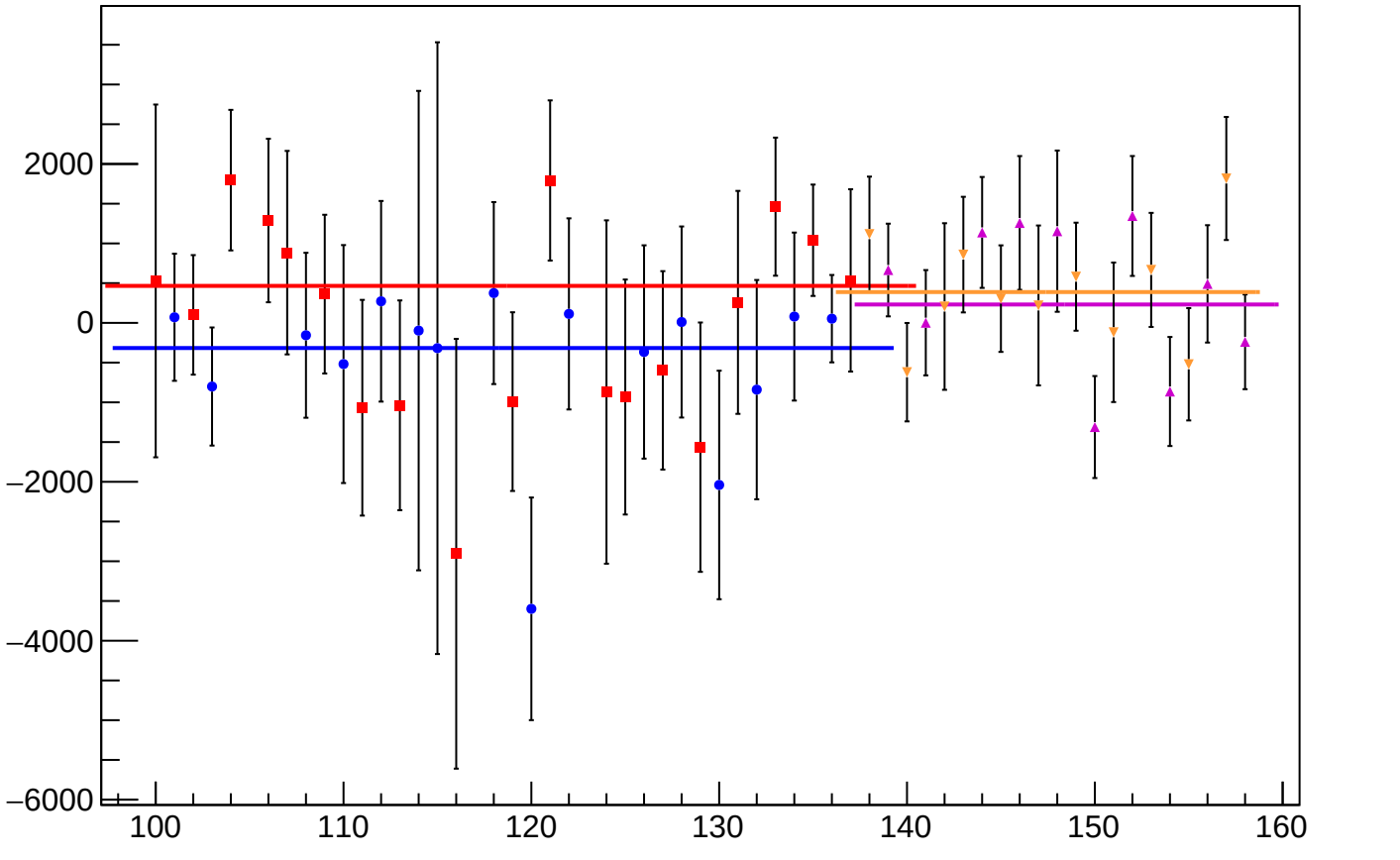
Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 108.450+/-0.026 χ^2/NDF:216613.2/9

+ sign 101.528+/-0.018 χ^2/NDF: 392247.3/26

All: 101.965+/-0.013 χ^2/NDF: 827868.8/55

- sign 102.401+/-0.018 χ^2/NDF: 434459.4/28



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 388.113+/-225.870 χ^2/NDF:9.8/10

Right Out: 465.576+/-256.646 χ^2/NDF: 16.5/18

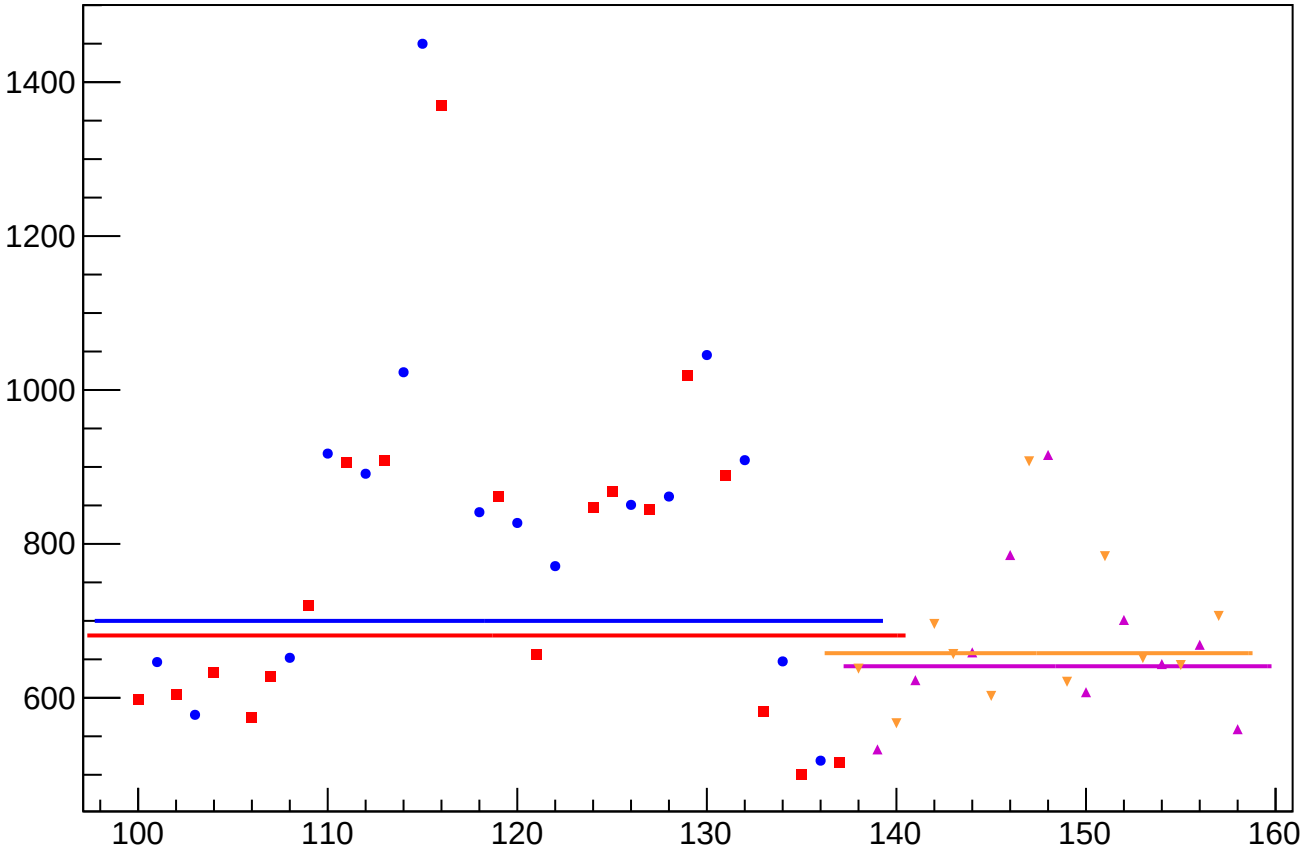
Left In: 231.428+/-220.268 χ^2/NDF:15.9/9

+ sign 94.831+/-172.581 χ^2/NDF: 23.0/26

All: 216.560+/-120.066 χ^2/NDF: 56.8/55

- sign 330.745+/-167.148 χ^2/NDF: 32.9/28

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 658.003+/-0.160 χ^2/NDF:240043.4/10

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

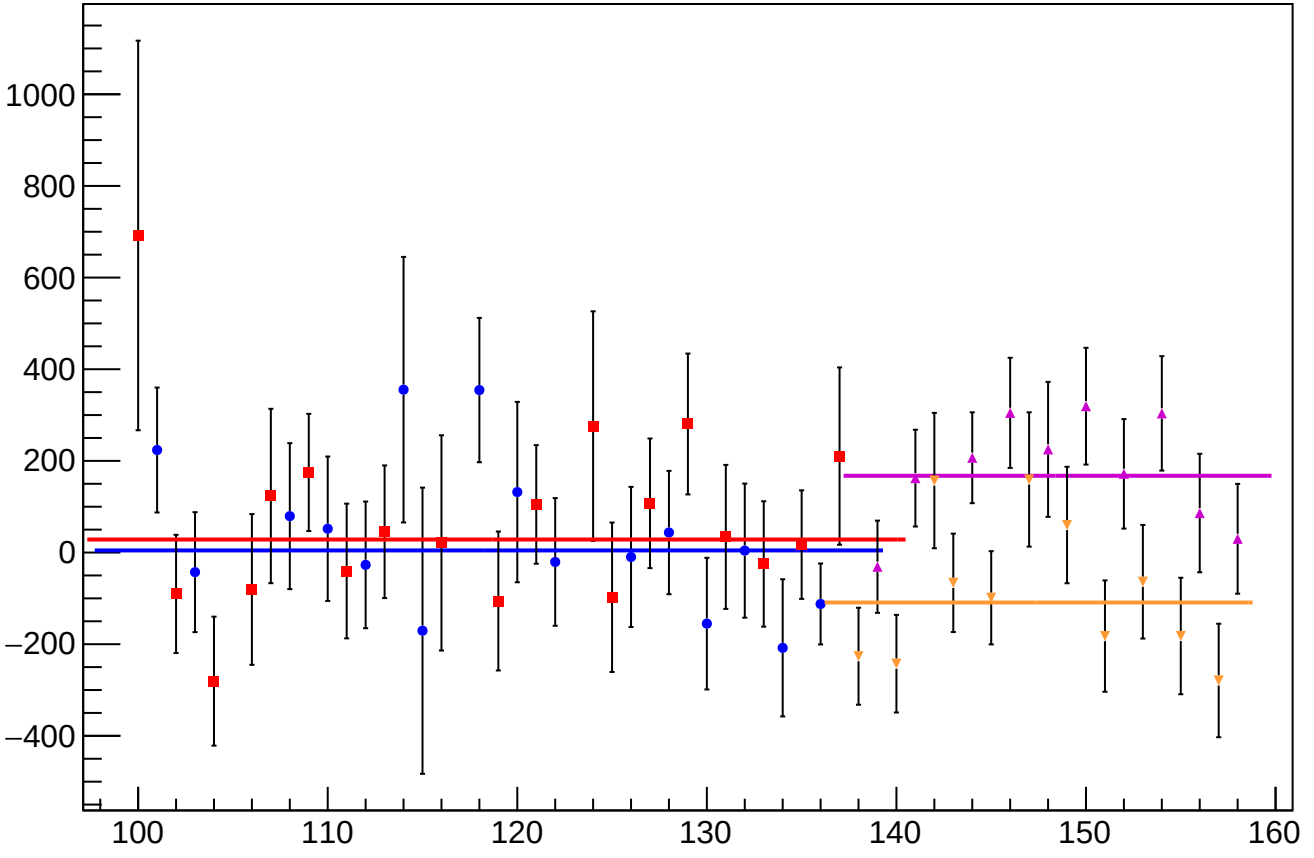
Left In: 641.035+/-0.156 χ^2/NDF:335655.0/9

+ sign 675.470+/-0.122 χ^2/NDF: 1022448.5/26

All: 666.452+/-0.085 χ^2/NDF: 2166033.9/55

- sign 657.993+/-0.118 χ^2/NDF: 1133002.4/28

eigen_dit_asym_sam_15_dd_mean vs Slug



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -109.025+/-35.920 χ^2/NDF:14.1/10

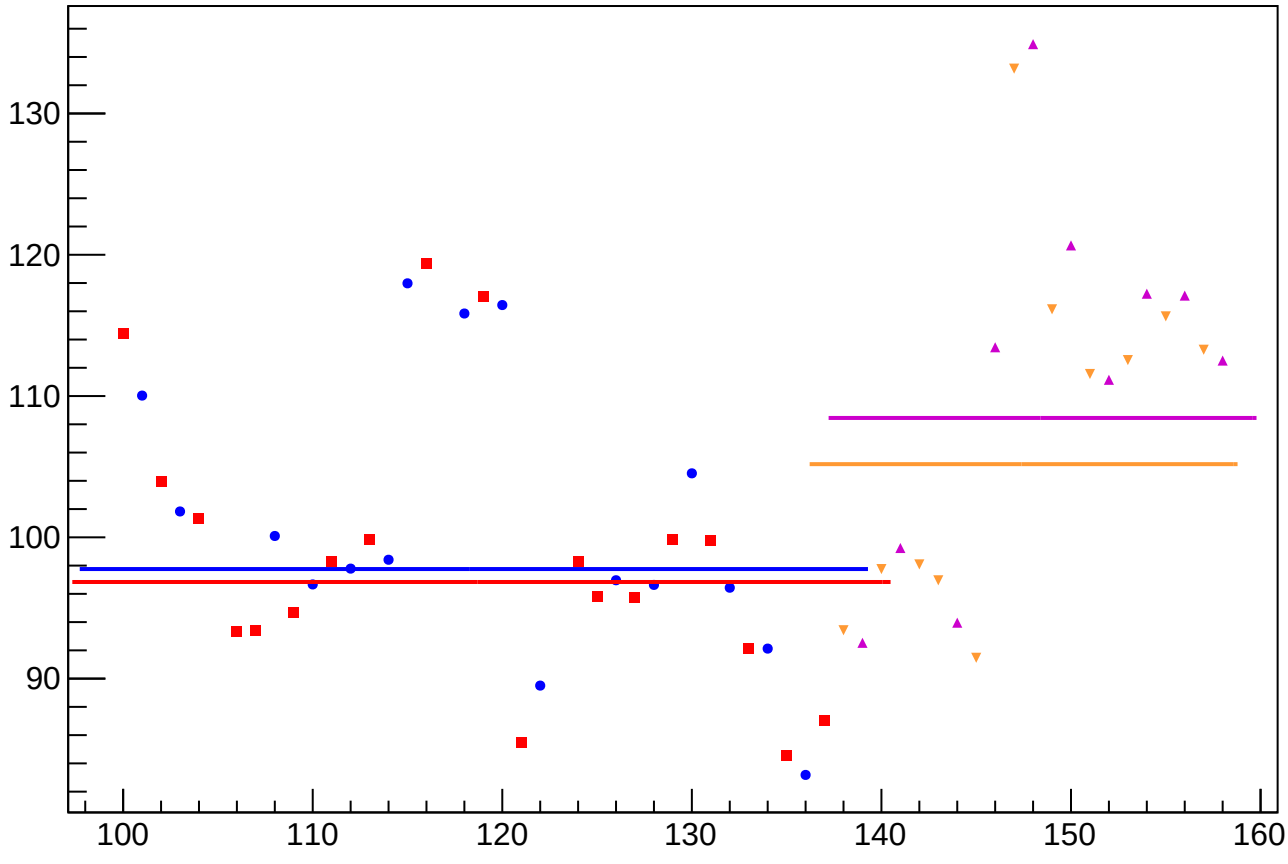
Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: 167.539+/-36.985 χ^2/NDF:9.8/9

+ sign -53.127+/-25.605 χ^2/NDF: 34.3/26

All: 20.984+/-18.103 χ^2/NDF: 85.4/55

- sign 95.054+/-25.598 χ^2/NDF: 34.3/28



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 105.180+/-0.025 χ^2/NDF:209568.5/10

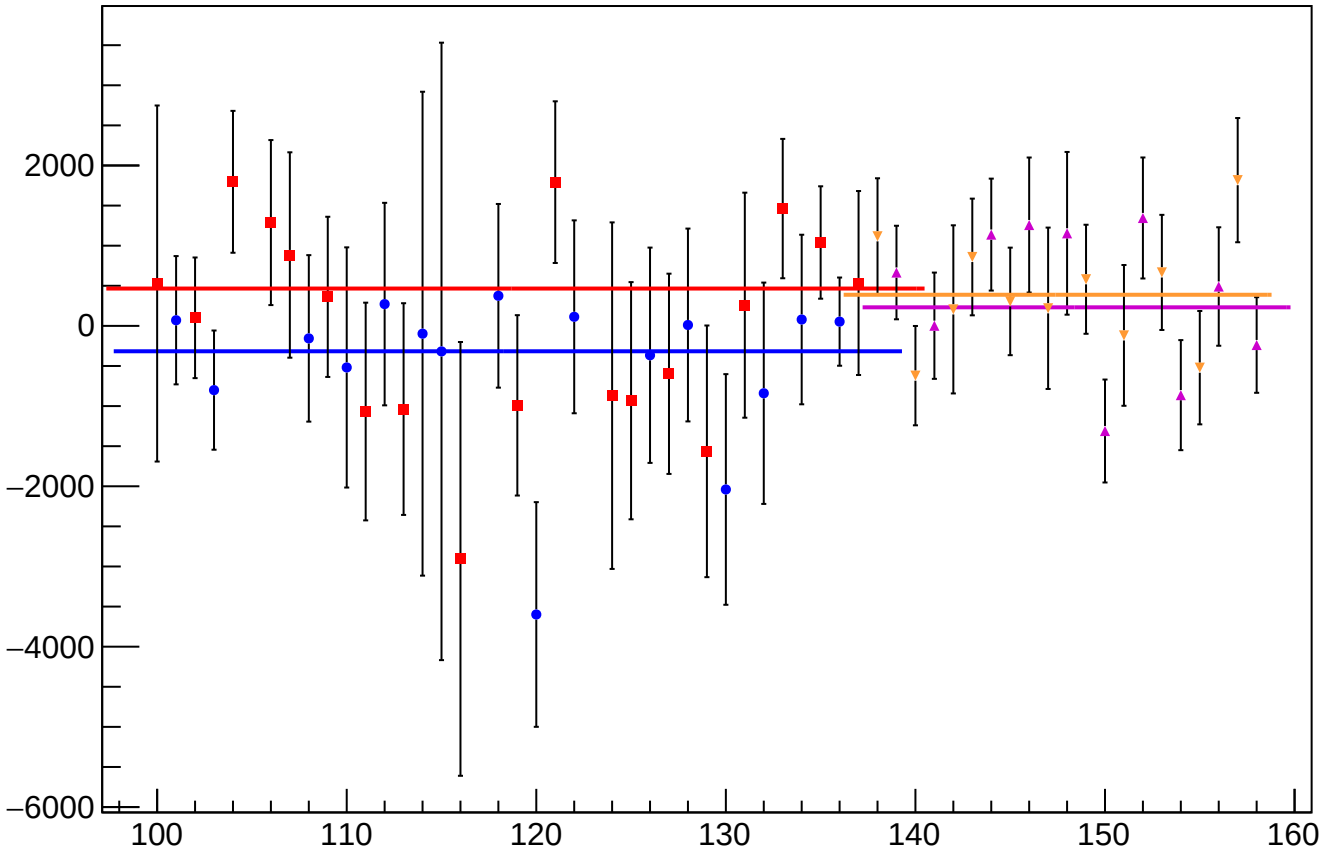
Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 108.450+/-0.026 χ^2/NDF:216612.6/9

+ sign 101.528+/-0.018 χ^2/NDF: 392253.7/26

All: 101.965+/-0.013 χ^2/NDF: 827885.3/55

- sign 102.401+/-0.018 χ^2/NDF: 434469.6/28



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 388.113+/-225.870 χ^2/NDF:9.8/10

Right Out: 465.576+/-256.645 χ^2/NDF: 16.5/18

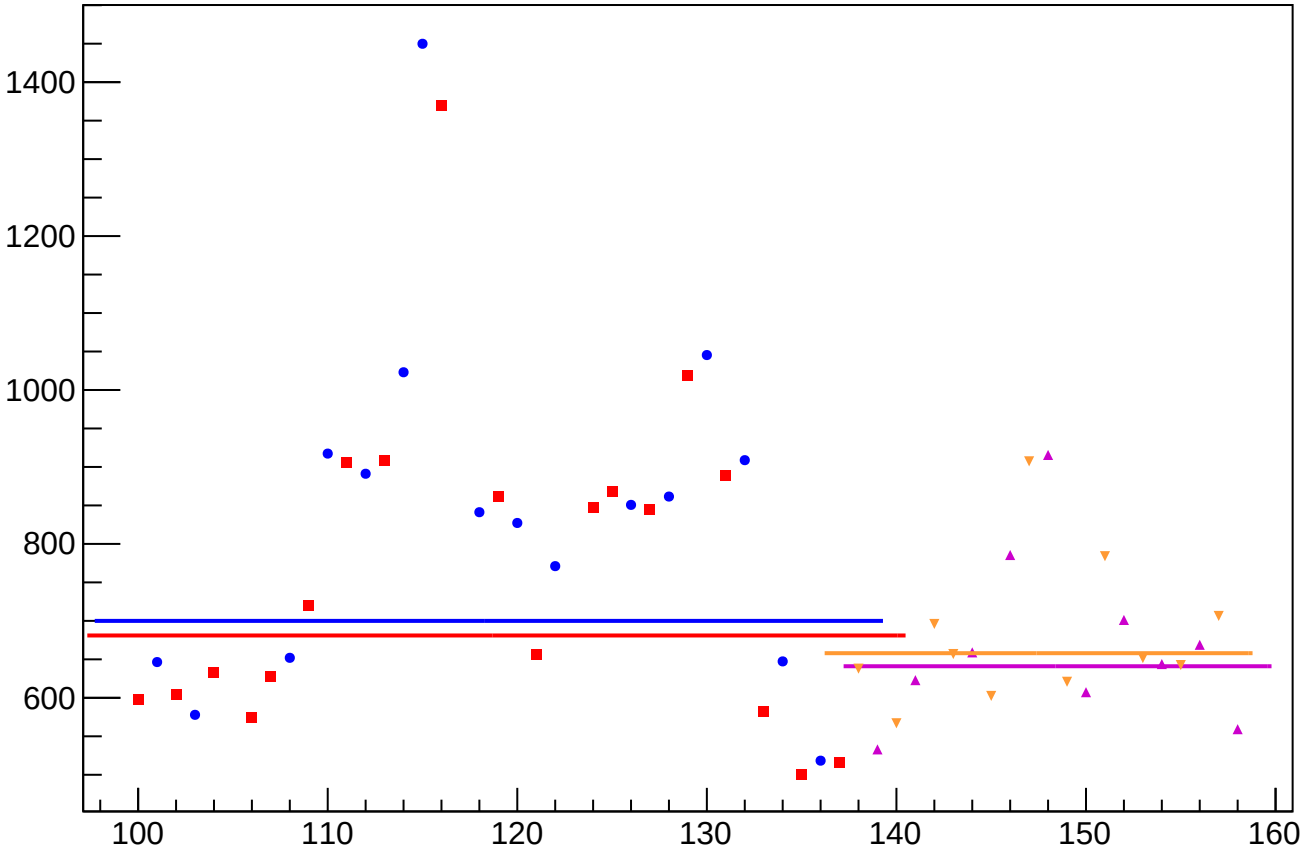
Left In: 231.429+/-220.268 χ^2/NDF:15.9/9

+ sign 94.830+/-172.581 χ^2/NDF: 23.0/26

All: 216.560+/-120.066 χ^2/NDF: 56.8/55

- sign 330.746+/-167.148 χ^2/NDF: 32.9/28

asym_sam_15_dd_eigen_dit_correction_rms vs Slug



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 658.004+/-0.160 χ^2/NDF:240042.8/10

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

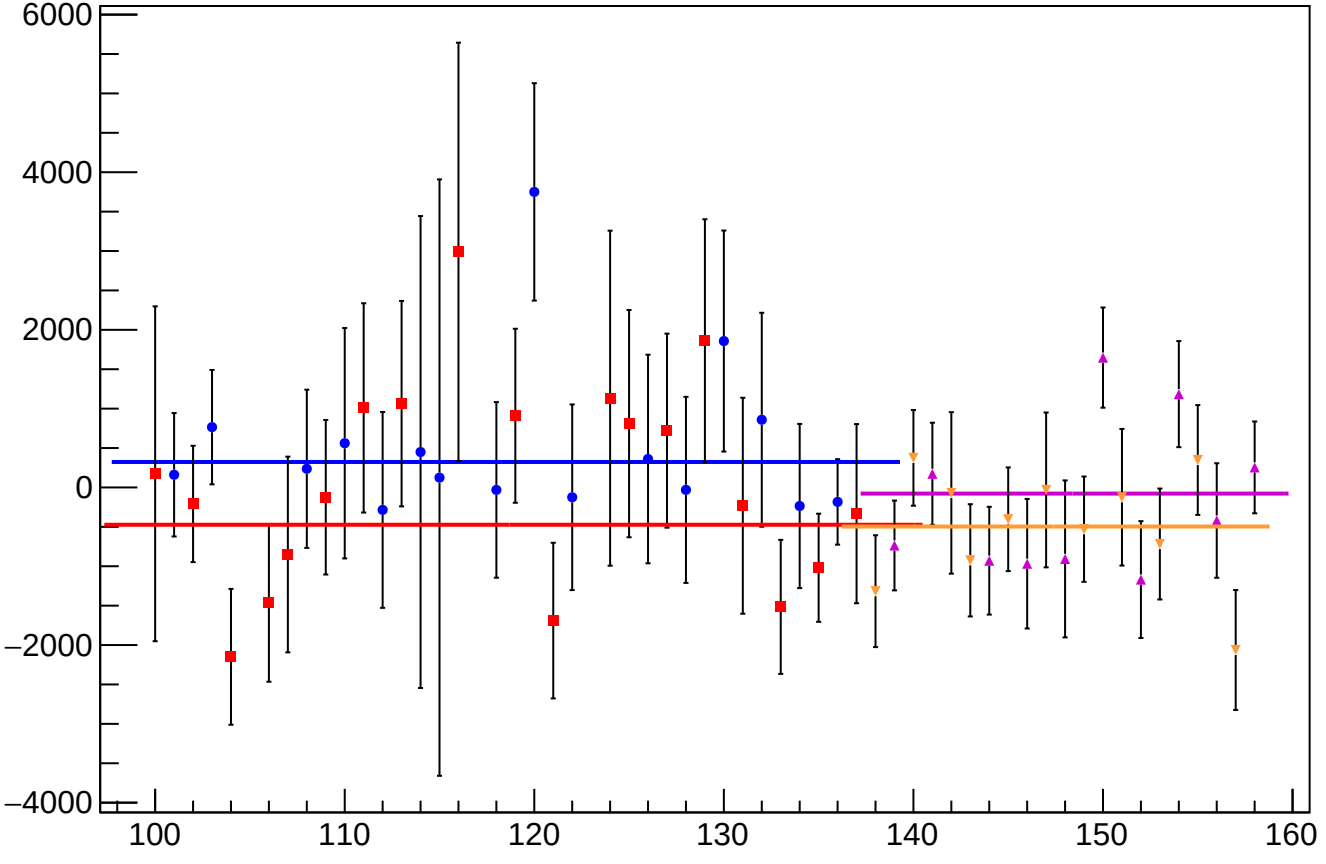
Left In: 641.036+/-0.156 χ^2/NDF:335656.6/9

+ sign 675.470+/-0.122 χ^2/NDF: 1022447.2/26

All: 666.452+/-0.085 χ^2/NDF: 2166034.2/55

- sign 657.993+/-0.118 χ^2/NDF: 1133003.8/28

asym_sam_15_dd_mean vs Slug



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -496.246+/-221.686 χ^2/NDF:10.2/10

Right Out: -473.233+/-251.330 χ^2/NDF: 19.4/18

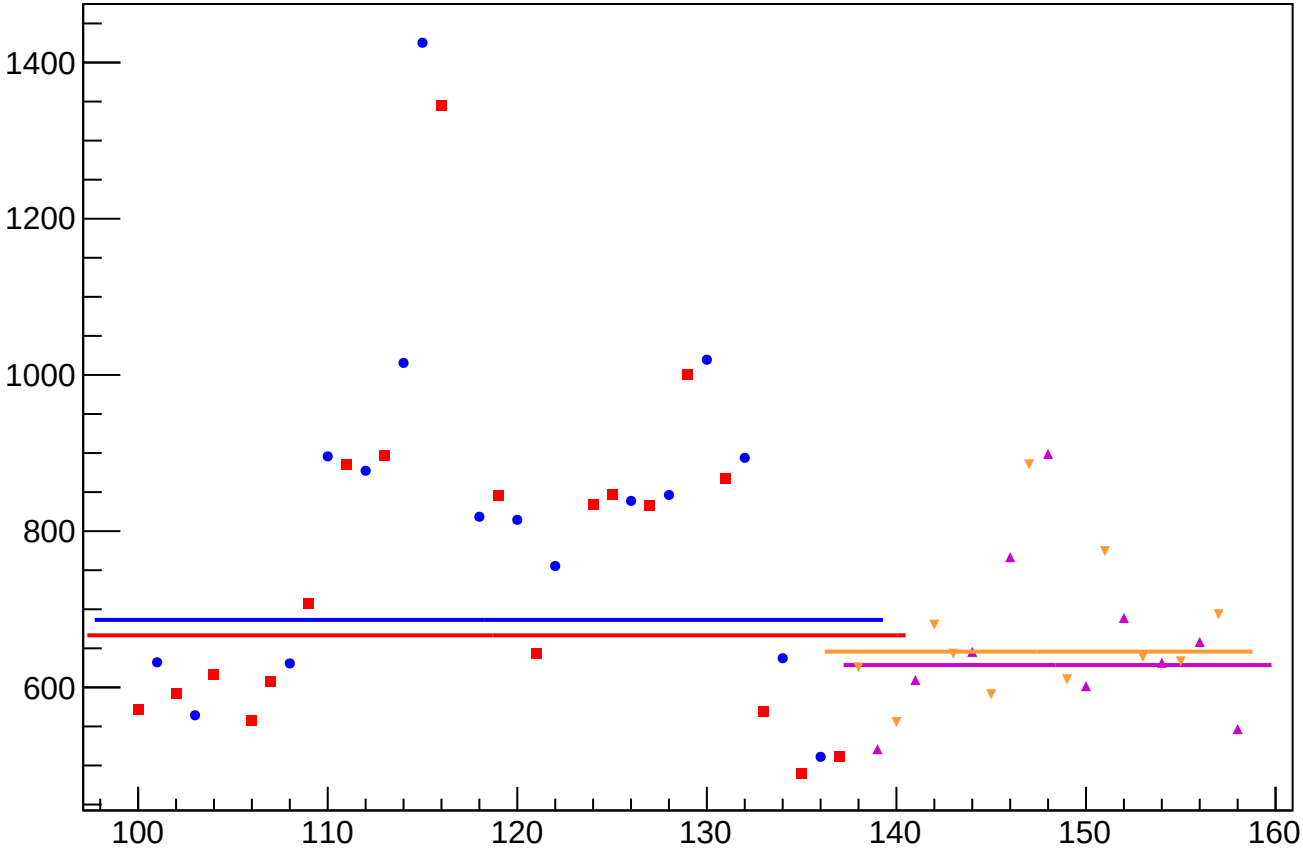
Left In: -77.947+/-216.038 χ^2/NDF:18.5/9

\+ sign -154.856+/-169.324 χ^2/NDF: 25.6/26

All: -201.884+/-117.740 χ^2/NDF: 65.1/55

\- sign -245.910+/-163.831 χ^2/NDF: 39.3/28

asym_sam_15_dd_rms vs Slug



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 645.769+/-0.157 χ^2/NDF:239443.8/10

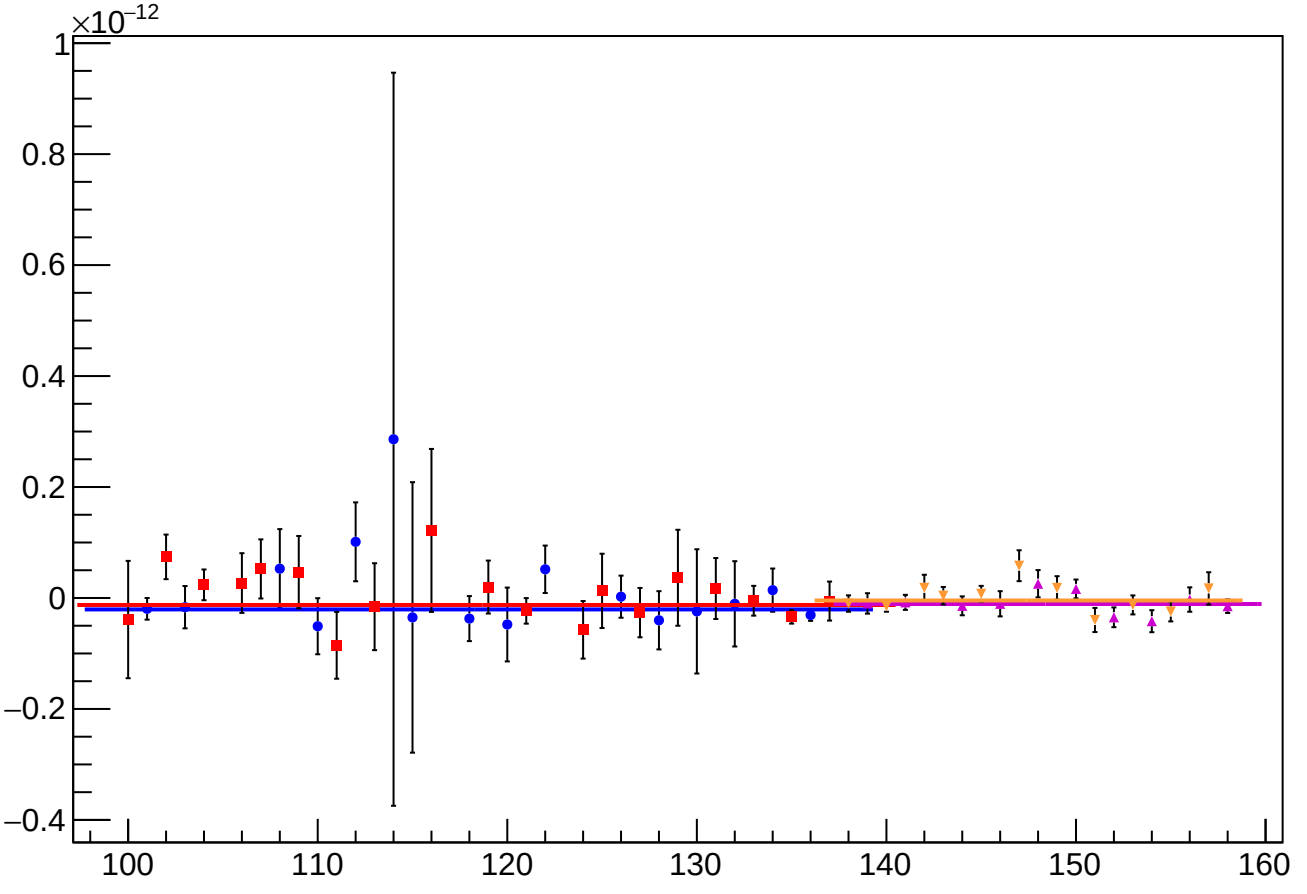
Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 628.588+/-0.153 χ^2/NDF:337908.4/9

+ sign 662.694+/-0.120 χ^2/NDF: 1016880.7/26

All: 653.428+/-0.083 χ^2/NDF: 2169775.3/55

- sign 644.754+/-0.116 χ^2/NDF: 1141299.8/28



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.0/10

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

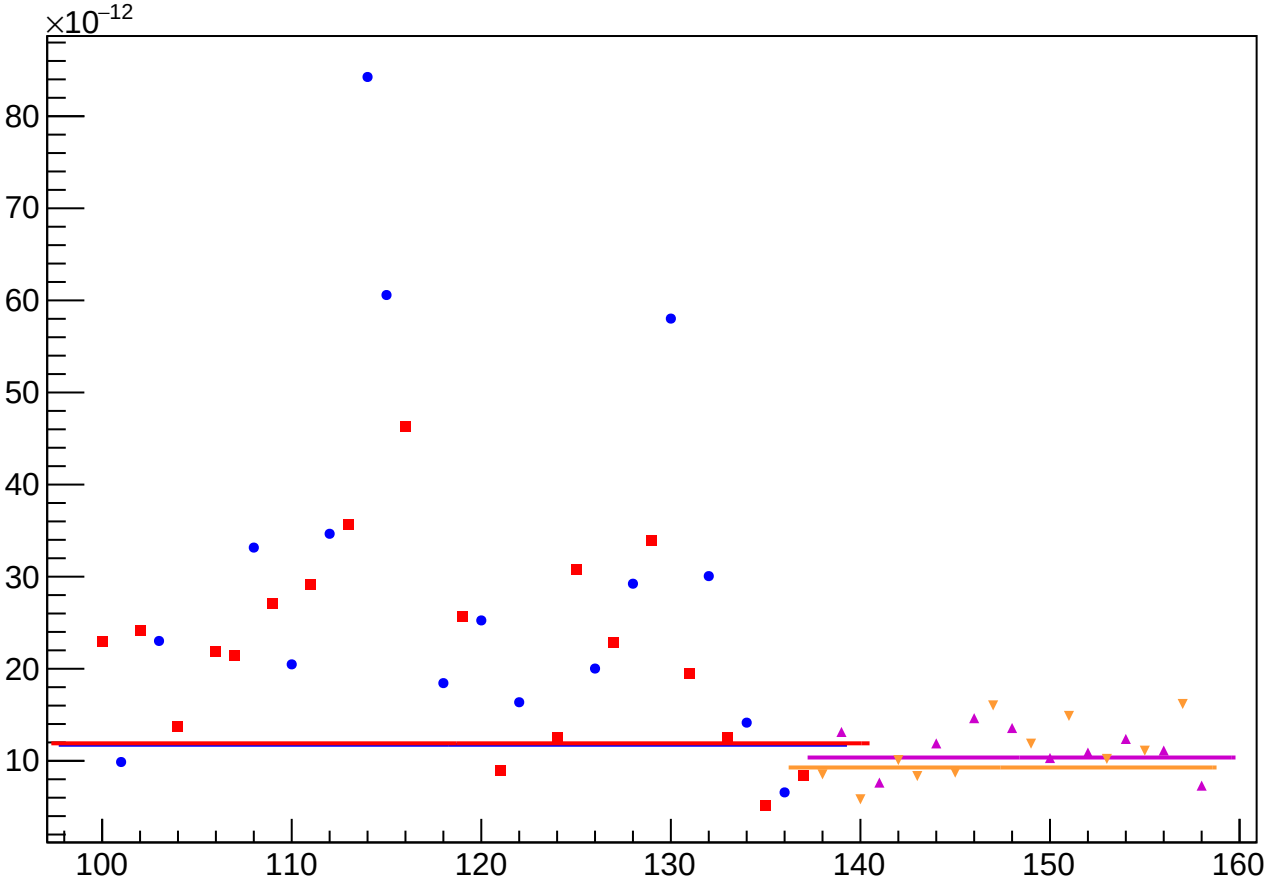
Left In: -0.000+/-0.000 χ^2/NDF:9.4/9

+ sign -0.000+/-0.000 χ^2/NDF: 26.9/26

All: -0.000+/-0.000 χ^2/NDF: 53.5/55

- sign -0.000+/-0.000 χ^2/NDF: 26.5/28

asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2161176.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:675576.5/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2202451.9/18

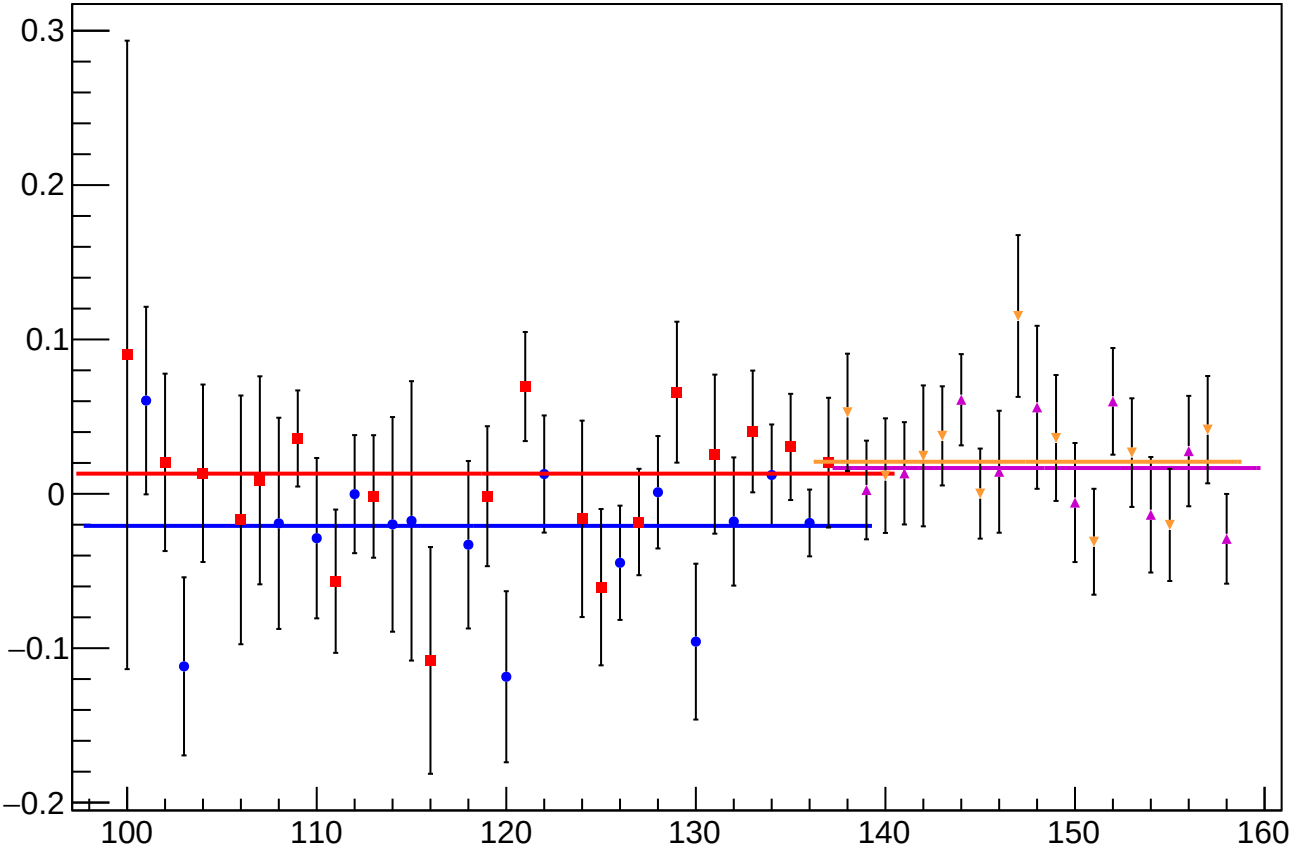
Left In: 0.000+/-0.000 χ^2/NDF:397349.1/9

+ sign 0.000+/-0.000 χ^2/NDF: 2977039.4/26

All: 0.000+/-0.000 χ^2/NDF: 5666645.9/55

- sign 0.000+/-0.000 χ^2/NDF: 2651696.1/28

asym_sam_15_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.021+/-0.011 χ^2/NDF:8.9/10

Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

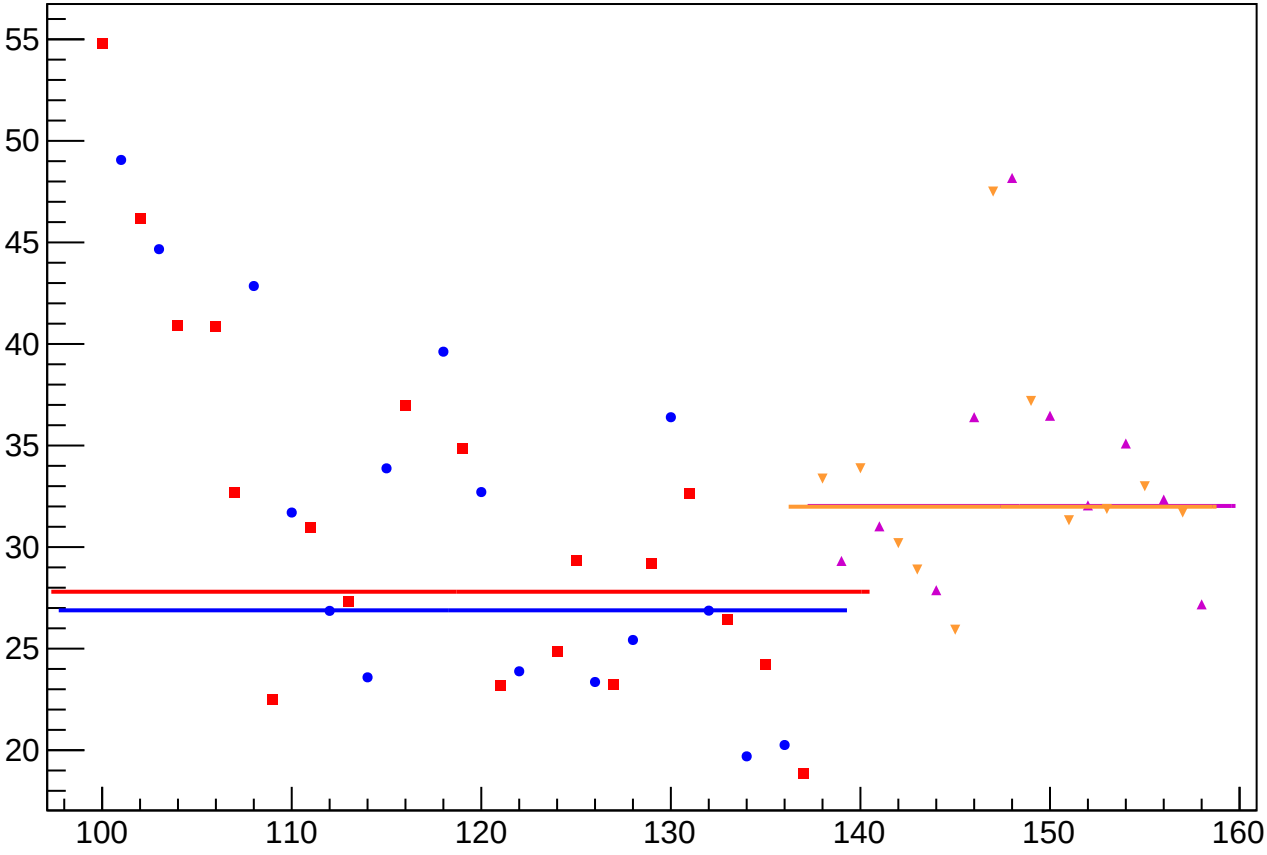
Left In: 0.017+/-0.011 χ^2/NDF:8.1/9

+ sign -0.001+/-0.008 χ^2/NDF: 28.9/26

All: 0.007+/-0.005 χ^2/NDF: 53.1/55

- sign 0.015+/-0.008 χ^2/NDF: 22.1/28

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 31.988+/-0.008 χ^2/NDF:326023.6/10

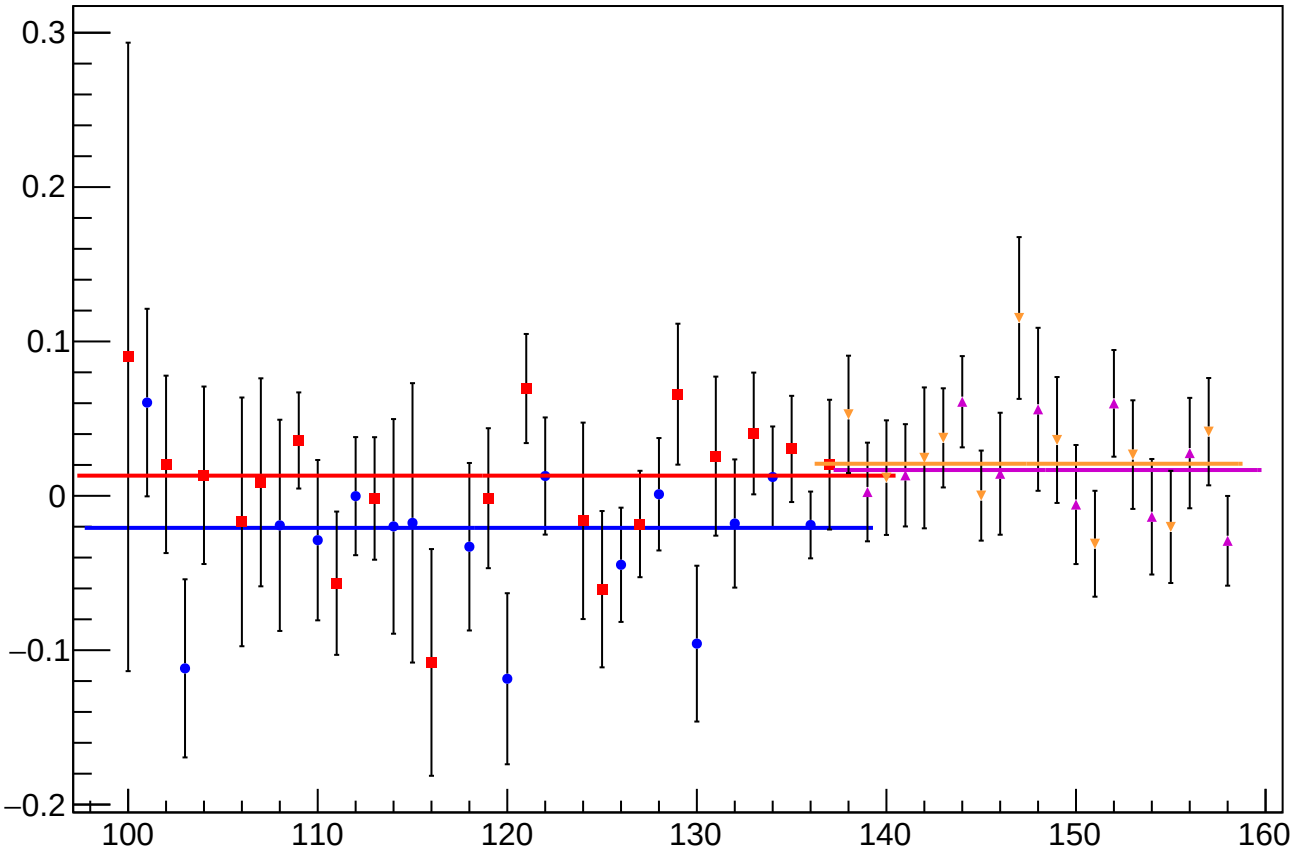
Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 32.025+/-0.008 χ^2/NDF:362906.0/9

+ sign 29.318+/-0.005 χ^2/NDF: 1671327.1/26

All: 29.568+/-0.004 χ^2/NDF: 2954966.1/55

- sign 29.819+/-0.005 χ^2/NDF: 1279319.0/28



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.021+/-0.011 χ^2/NDF:8.9/10

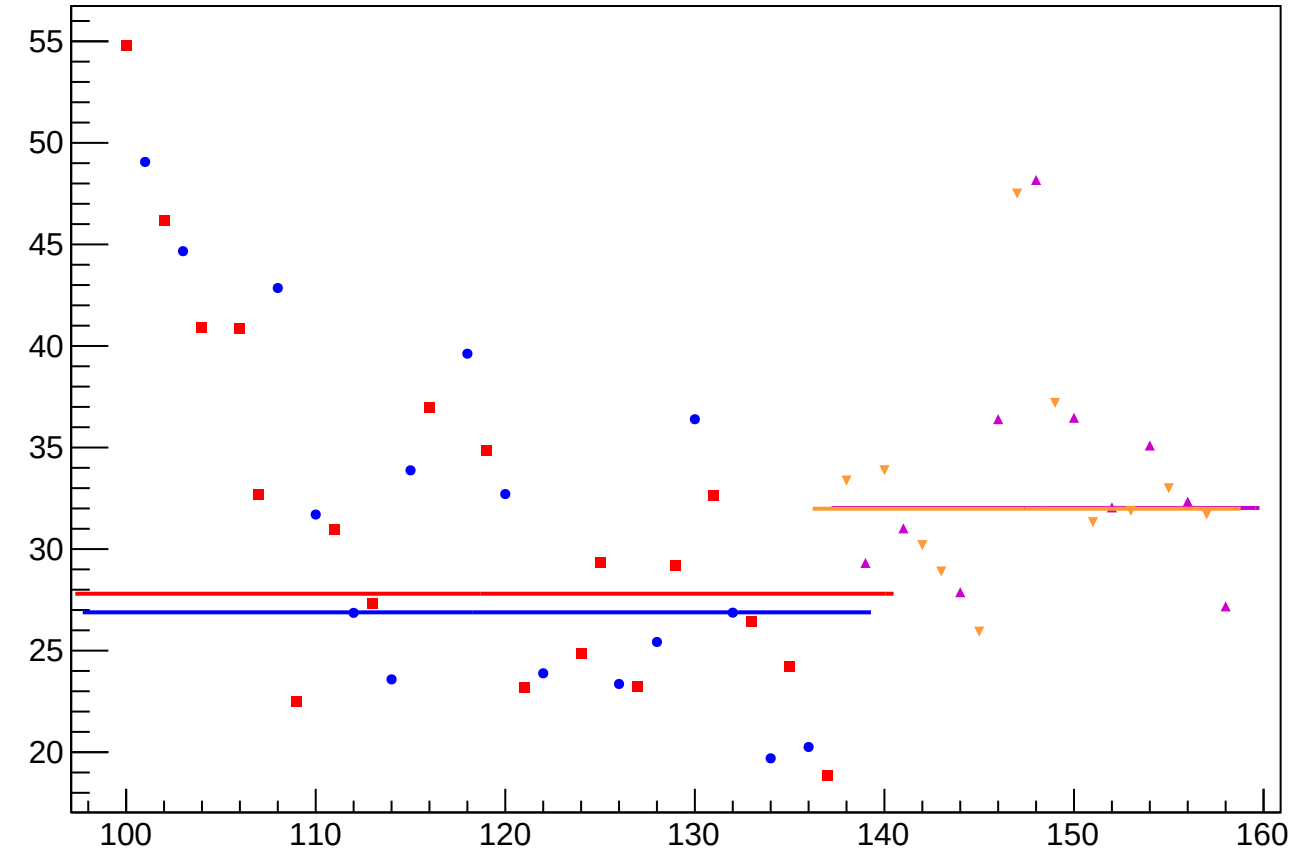
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.017+/-0.011 χ^2/NDF:8.1/9

+ sign -0.001+/-0.008 χ^2/NDF: 28.9/26

All: 0.007+/-0.005 χ^2/NDF: 53.1/55

- sign 0.015+/-0.008 χ^2/NDF: 22.1/28



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 31.988+/-0.008 χ^2/NDF:326023.6/10

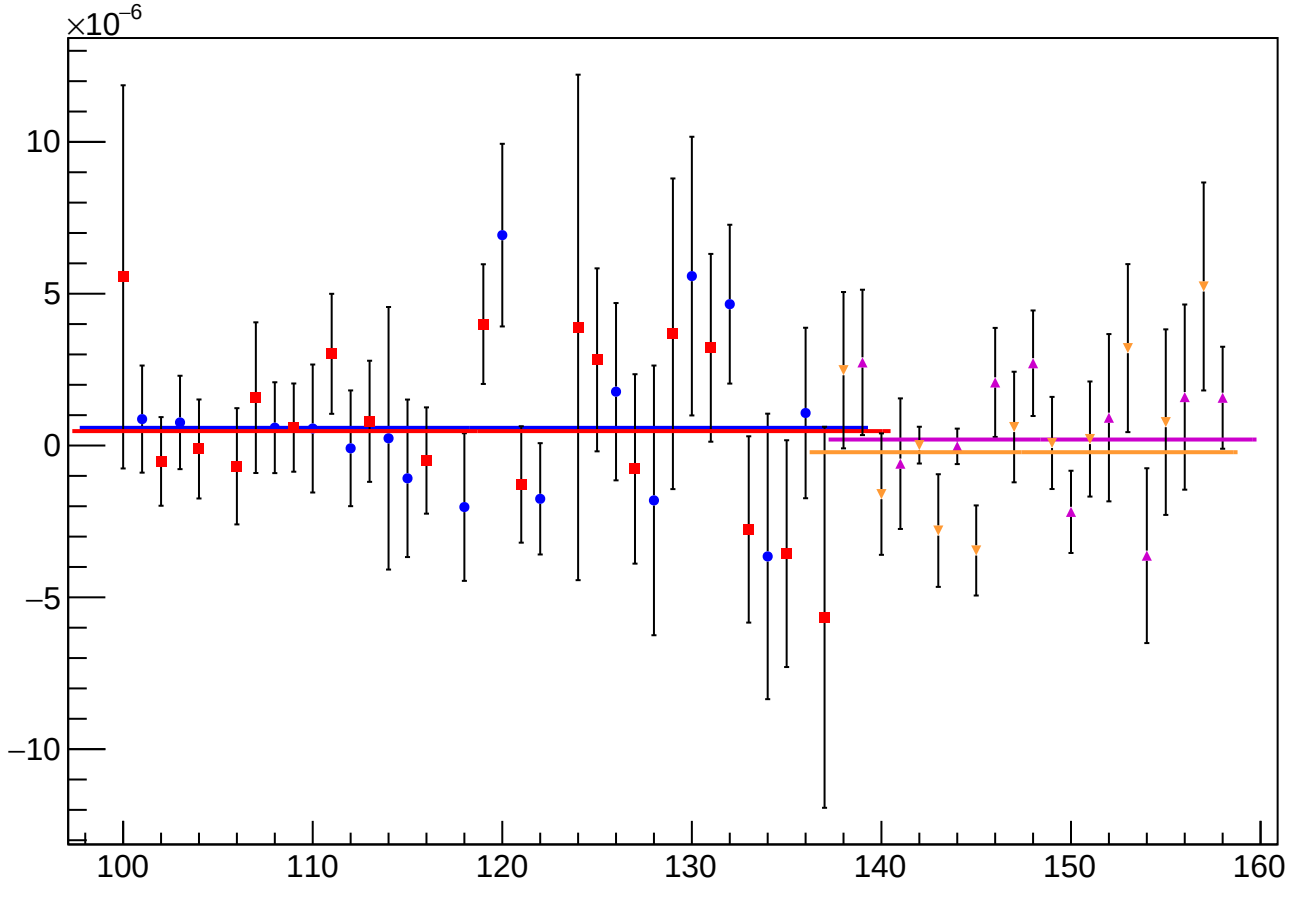
Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 32.025+/-0.008 χ^2/NDF:362906.0/9

+ sign 29.318+/-0.005 χ^2/NDF: 1671327.1/26

All: 29.568+/-0.004 χ^2/NDF: 2954966.1/55

- sign 29.819+/-0.005 χ^2/NDF: 1279319.0/28



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.9/10

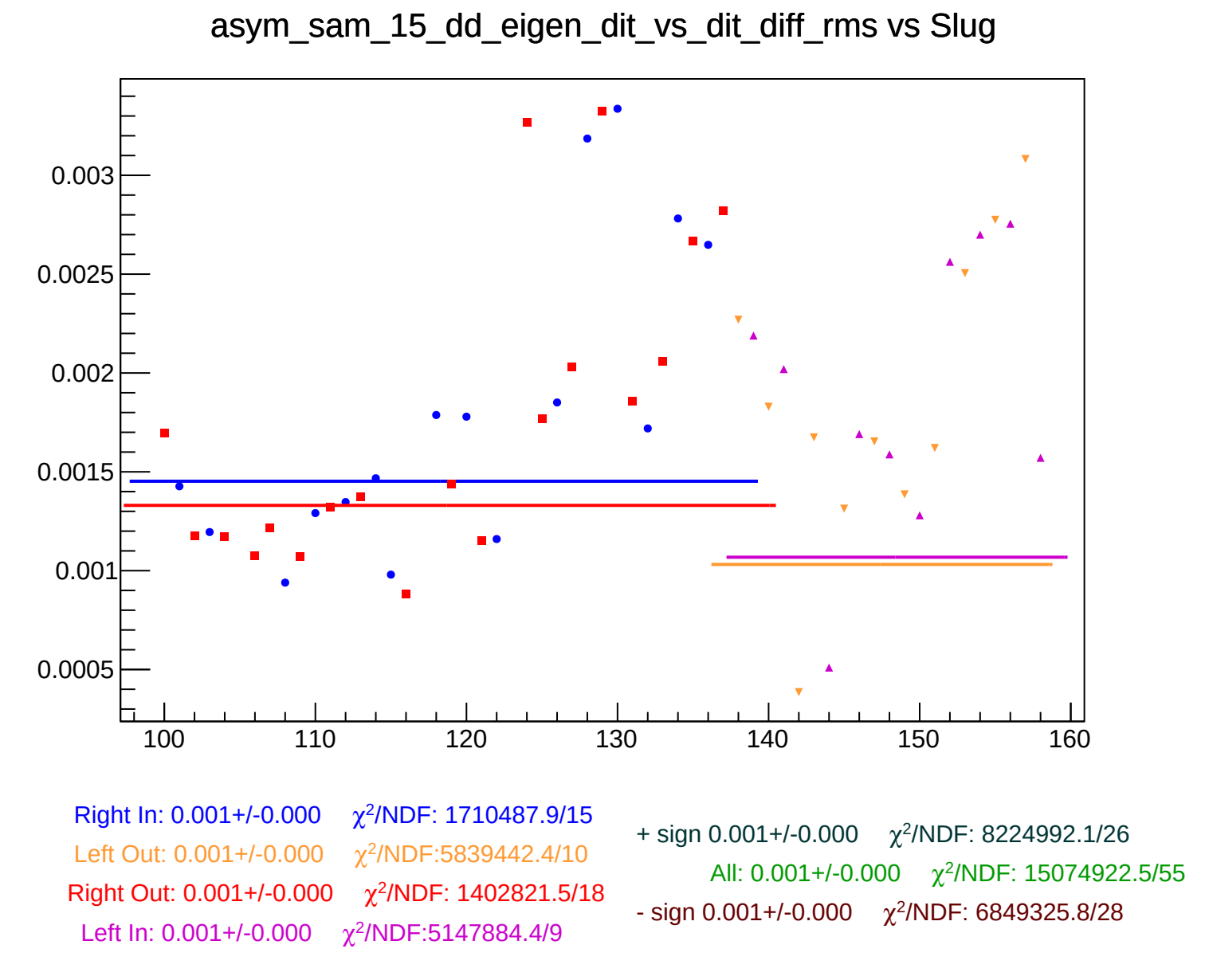
Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/18

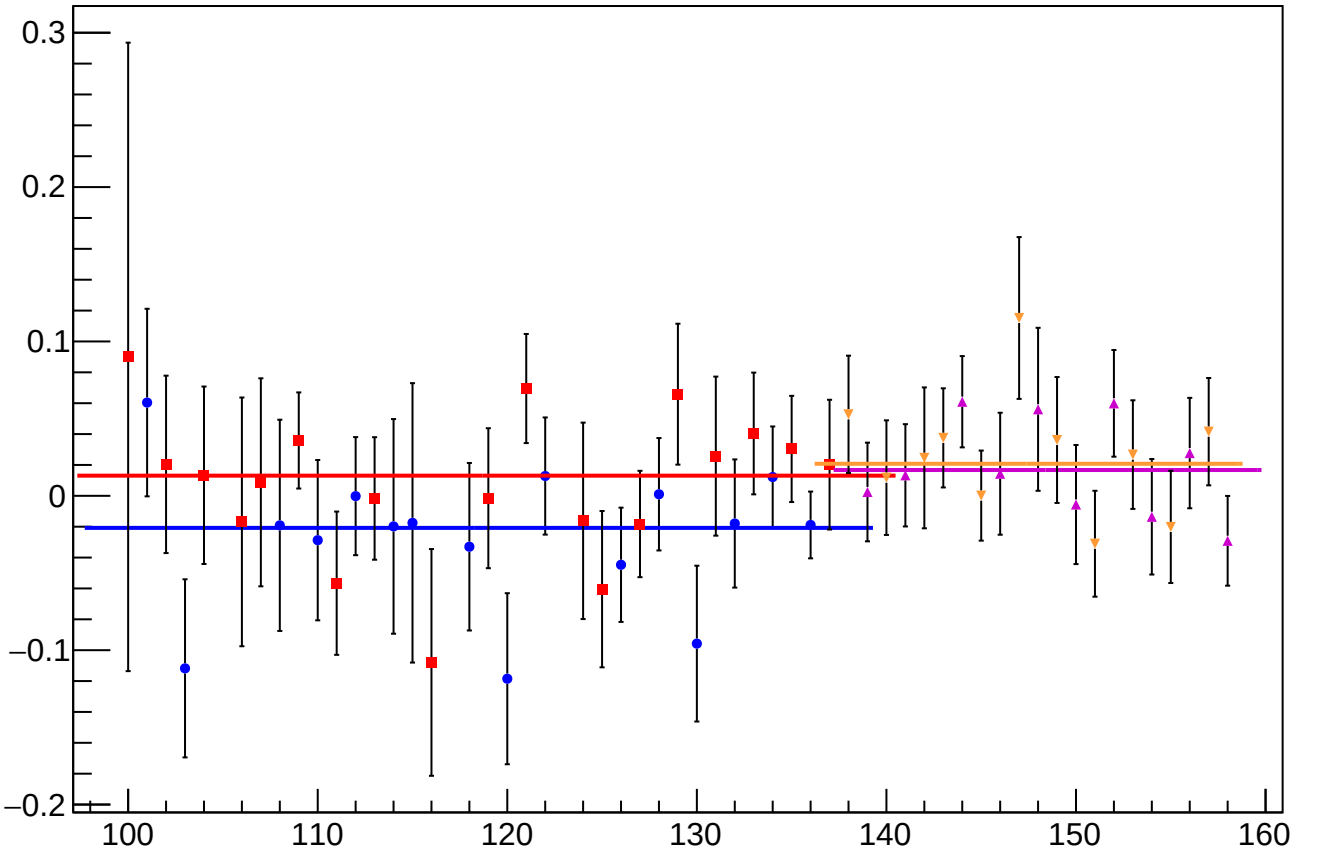
Left In: 0.000+/-0.000 χ^2/NDF:10.4/9

+ sign 0.000+/-0.000 χ^2/NDF: 26.8/26

All: 0.000+/-0.000 χ^2/NDF: 50.9/55

- sign 0.000+/-0.000 χ^2/NDF: 23.8/28


asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 1710487.9/15
Left Out: 0.001+/-0.000 χ²/NDF:5839442.4/10
Right Out: 0.001+/-0.000 χ²/NDF: 1402821.5/18
Left In: 0.001+/-0.000 χ²/NDF:5147884.4/9
+ sign 0.001+/-0.000 χ²/NDF: 8224992.1/26
All: 0.001+/-0.000 χ²/NDF: 15074922.5/55
- sign 0.001+/-0.000 χ²/NDF: 6849325.8/28



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.021+/-0.011 χ^2/NDF:8.9/10

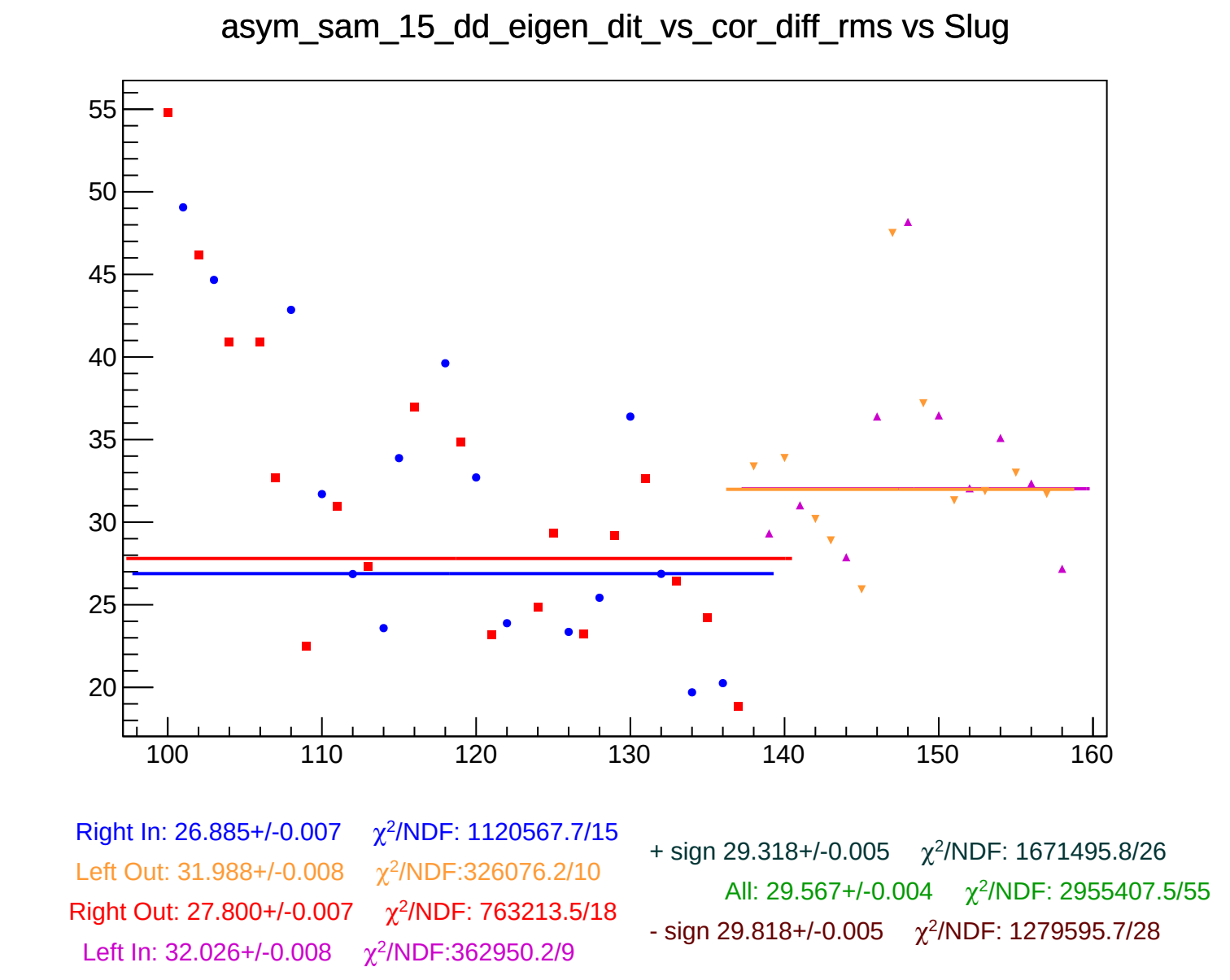
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

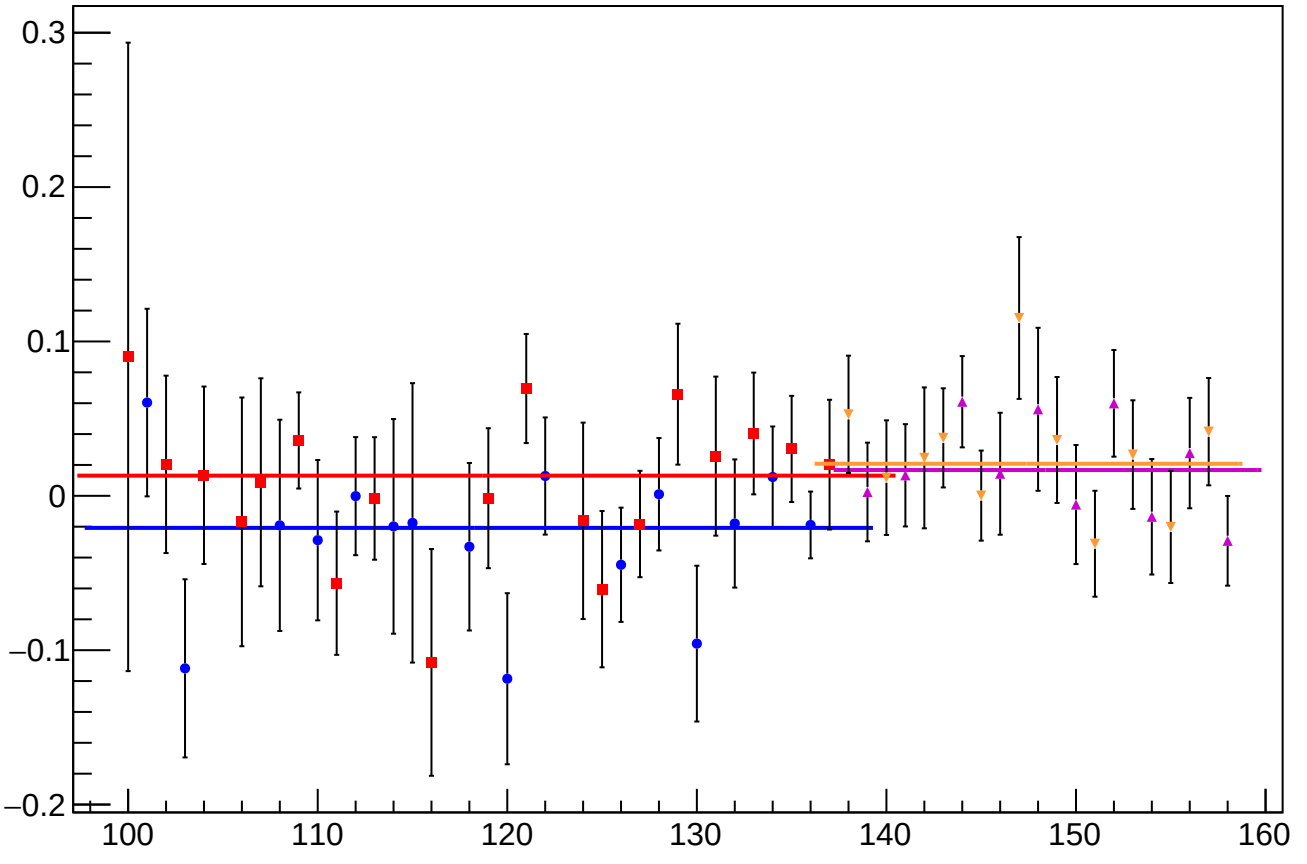
Left In: 0.017+/-0.011 χ^2/NDF:8.1/9

+ sign -0.001+/-0.008 χ^2/NDF: 28.9/26

All: 0.007+/-0.005 χ^2/NDF: 53.1/55

- sign 0.015+/-0.008 χ^2/NDF: 22.1/28


asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug
55
50
45
40
35
30
25
20
100
110
120
130
140
150
160
Right In: 26.885+/-0.007 χ²/NDF: 1120567.7/15
Left Out: 31.988+/-0.008 χ²/NDF:326076.2/10
Right Out: 27.800+/-0.007 χ²/NDF: 763213.5/18
Left In: 32.026+/-0.008 χ²/NDF:362950.2/9
+ sign 29.318+/-0.005 χ²/NDF: 1671495.8/26
All: 29.567+/-0.004 χ²/NDF: 2955407.5/55
- sign 29.818+/-0.005 χ²/NDF: 1279595.7/28



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.021+/-0.011 χ^2/NDF:8.9/10

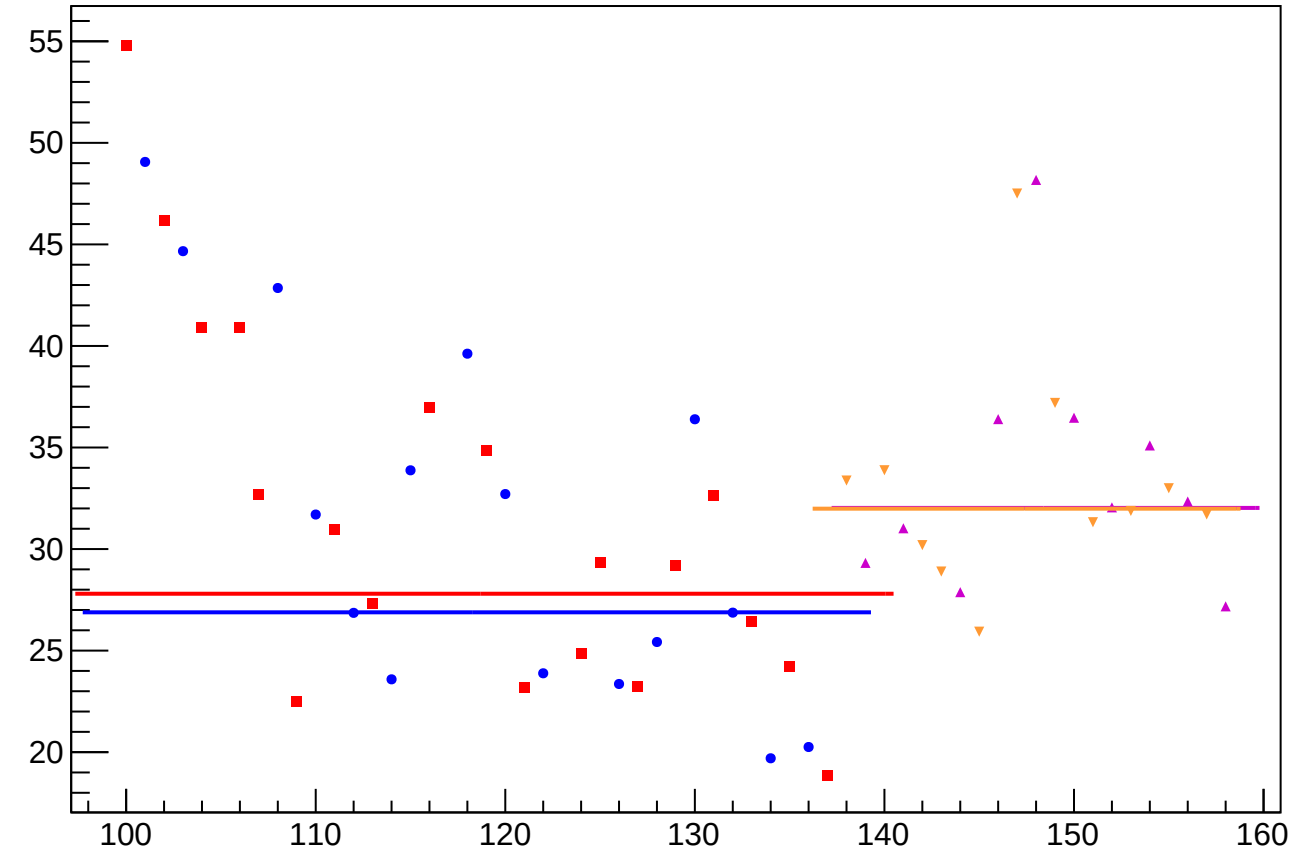
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.017+/-0.011 χ^2/NDF:8.1/9

\+ sign -0.001+/-0.008 χ^2/NDF: 28.9/26

All: 0.007+/-0.005 χ^2/NDF: 53.1/55

\- sign 0.015+/-0.008 χ^2/NDF: 22.1/28



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 31.988+/-0.008 χ^2/NDF:326076.2/10

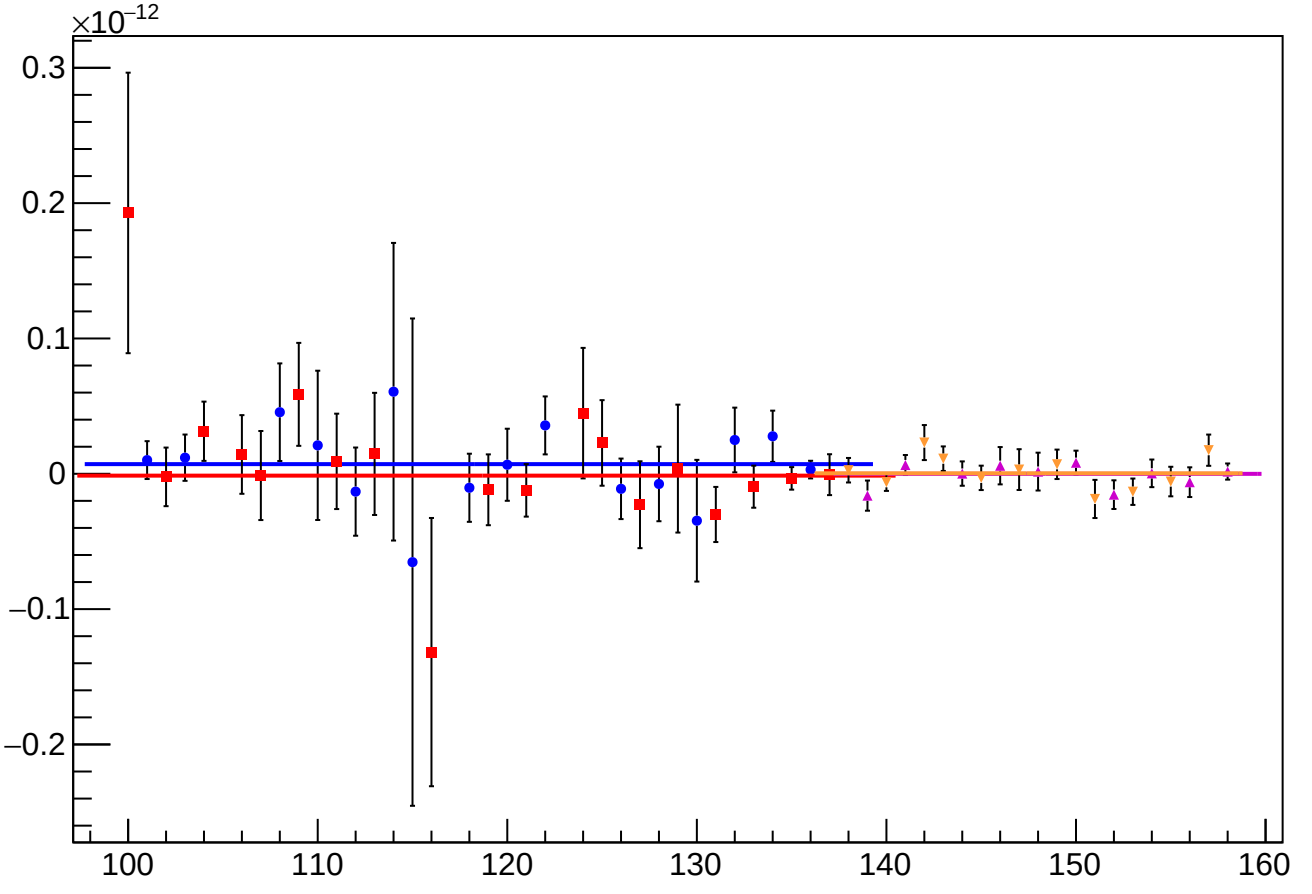
Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 32.026+/-0.008 χ^2/NDF:362950.2/9

+ sign 29.318+/-0.005 χ^2/NDF: 1671495.8/26

All: 29.567+/-0.004 χ^2/NDF: 2955407.5/55

- sign 29.818+/-0.005 χ^2/NDF: 1279595.7/28



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.4/10

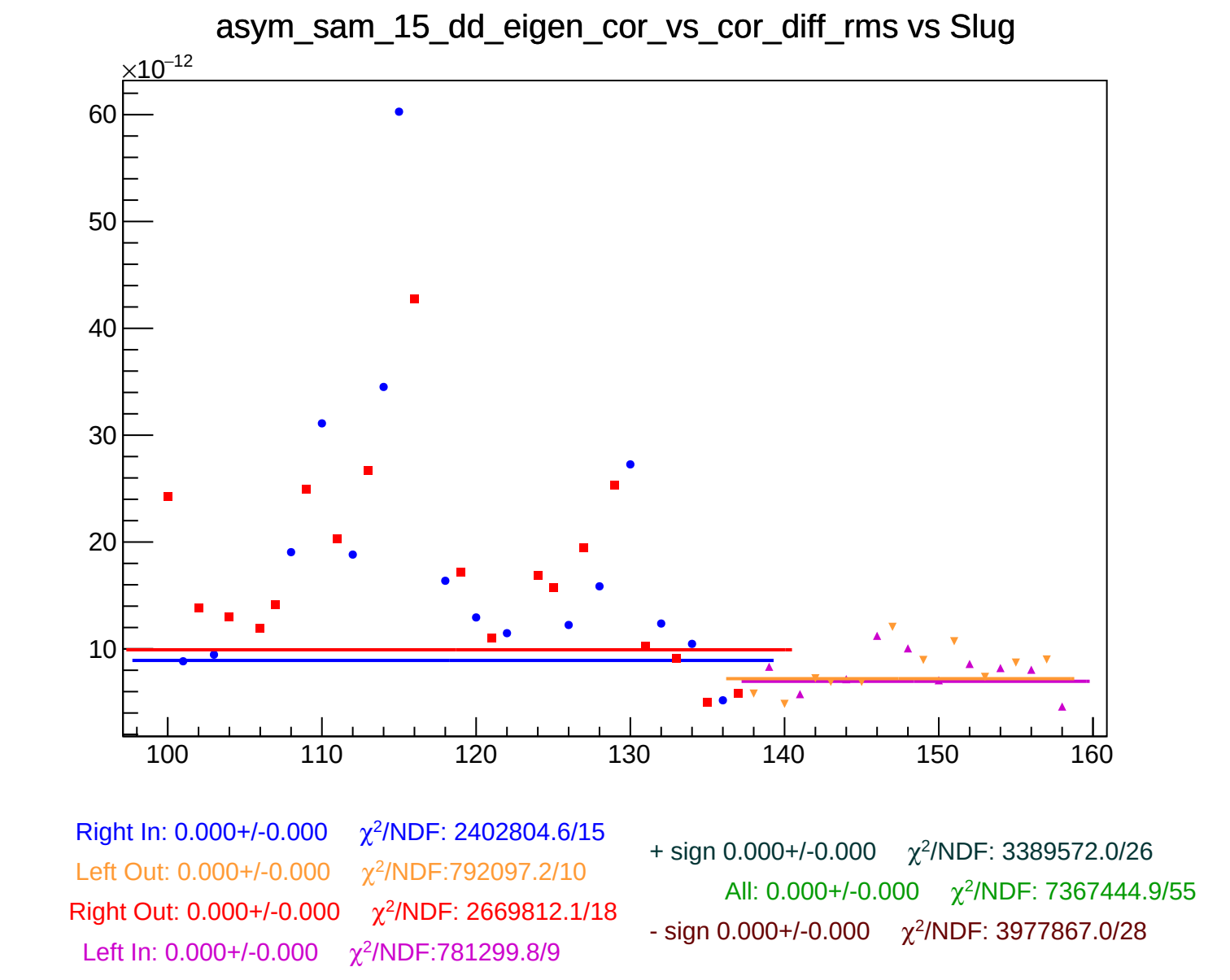
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:6.4/9

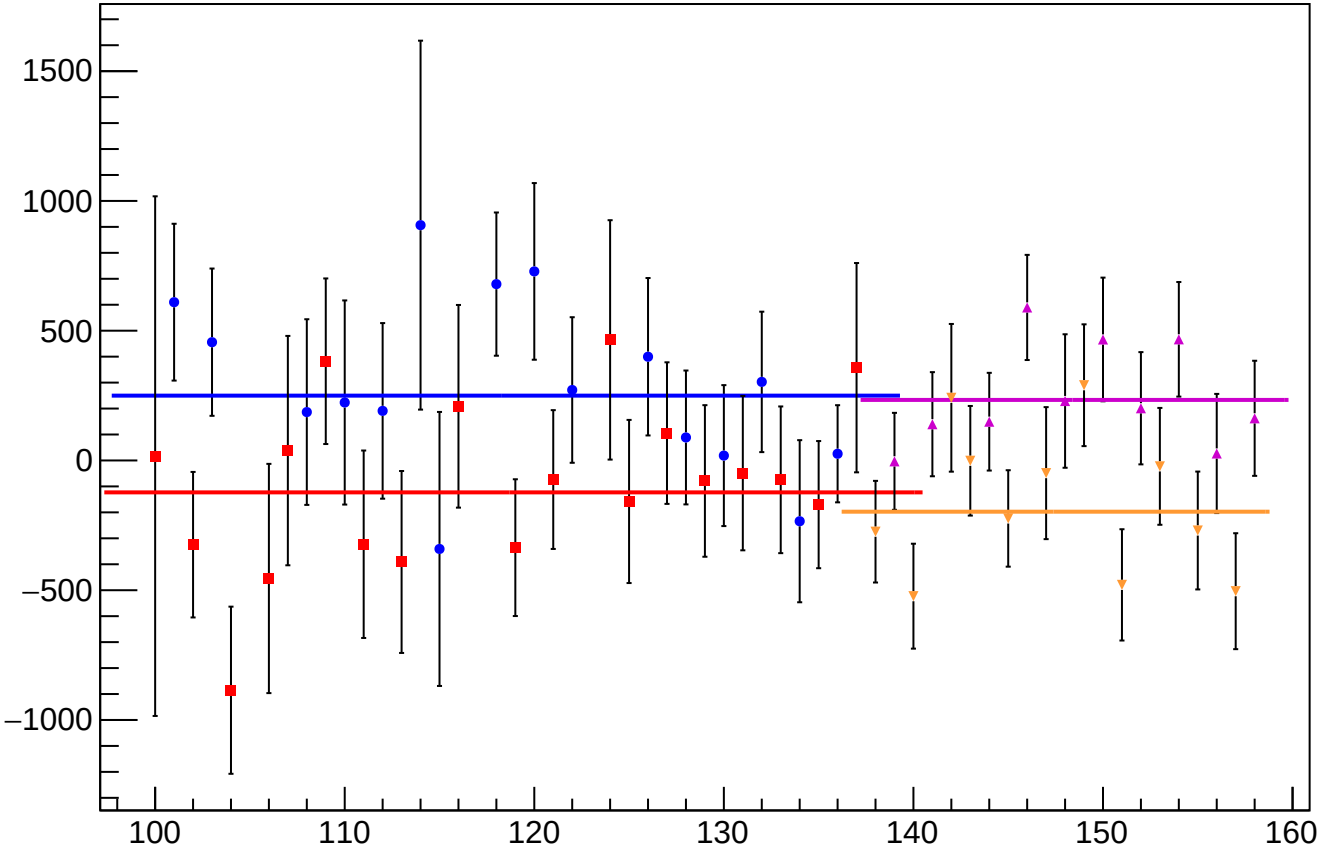
+ sign 0.000+/-0.000 χ^2/NDF: 22.3/26

All: 0.000+/-0.000 χ^2/NDF: 44.6/55

- sign -0.000+/-0.000 χ^2/NDF: 21.7/28


asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2402804.6/15
Left Out: 0.000+/-0.000 χ²/NDF:792097.2/10
Right Out: 0.000+/-0.000 χ²/NDF: 2669812.1/18
Left In: 0.000+/-0.000 χ²/NDF:781299.8/9
+ sign 0.000+/-0.000 χ²/NDF: 3389572.0/26
All: 0.000+/-0.000 χ²/NDF: 7367444.9/55
- sign 0.000+/-0.000 χ²/NDF: 3977867.0/28

reg_asym_sam_26_dd_mean vs Slug



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -197.412+/-66.107 χ^2/NDF:15.0/10

Right Out: -122.993+/-74.370 χ^2/NDF: 15.6/18

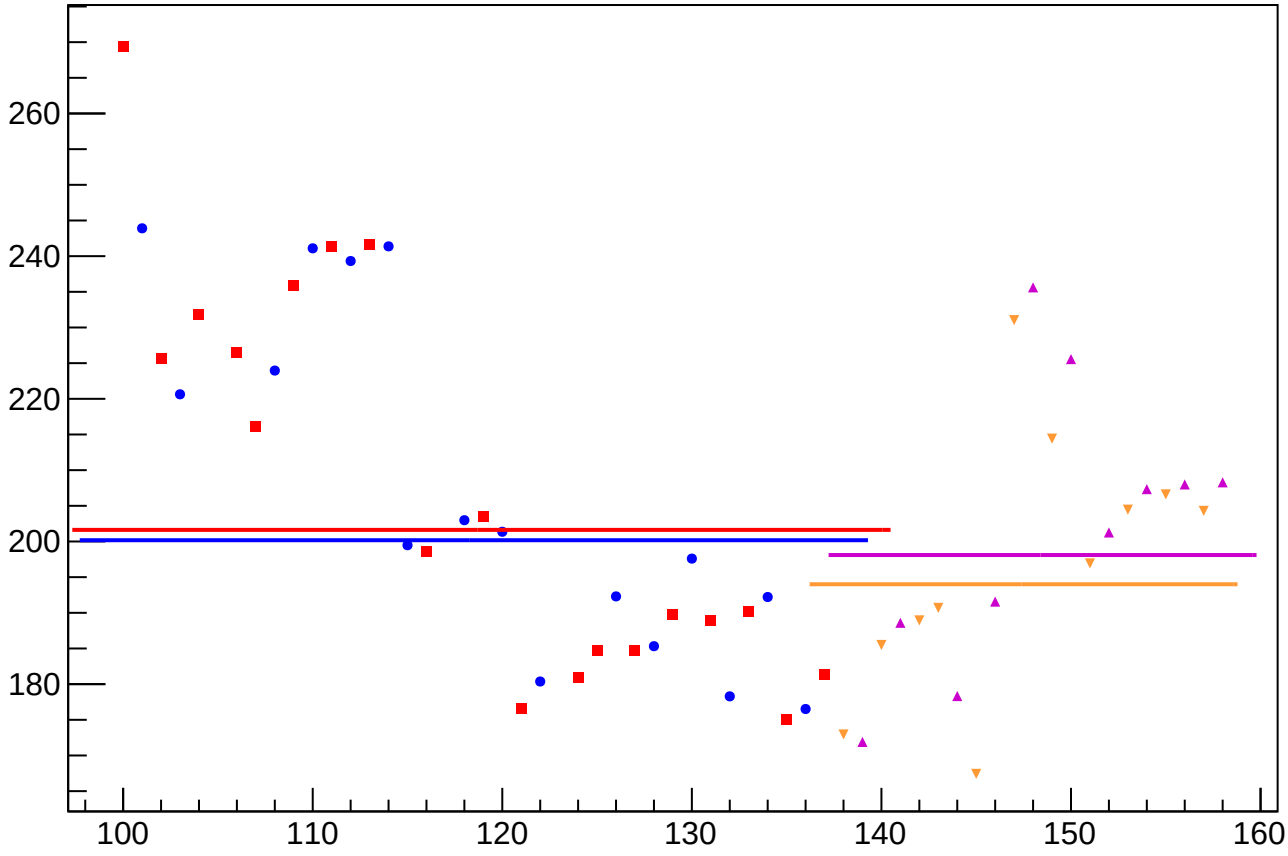
Left In: 233.248+/-67.419 χ^2/NDF:8.1/9

+ sign -1.534+/-49.557 χ^2/NDF: 48.8/26

All: 35.215+/-35.180 χ^2/NDF: 86.2/55

- sign 72.549+/-49.950 χ^2/NDF: 36.3/28

reg_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 194.003+/-0.047 χ^2/NDF:141338.0/10

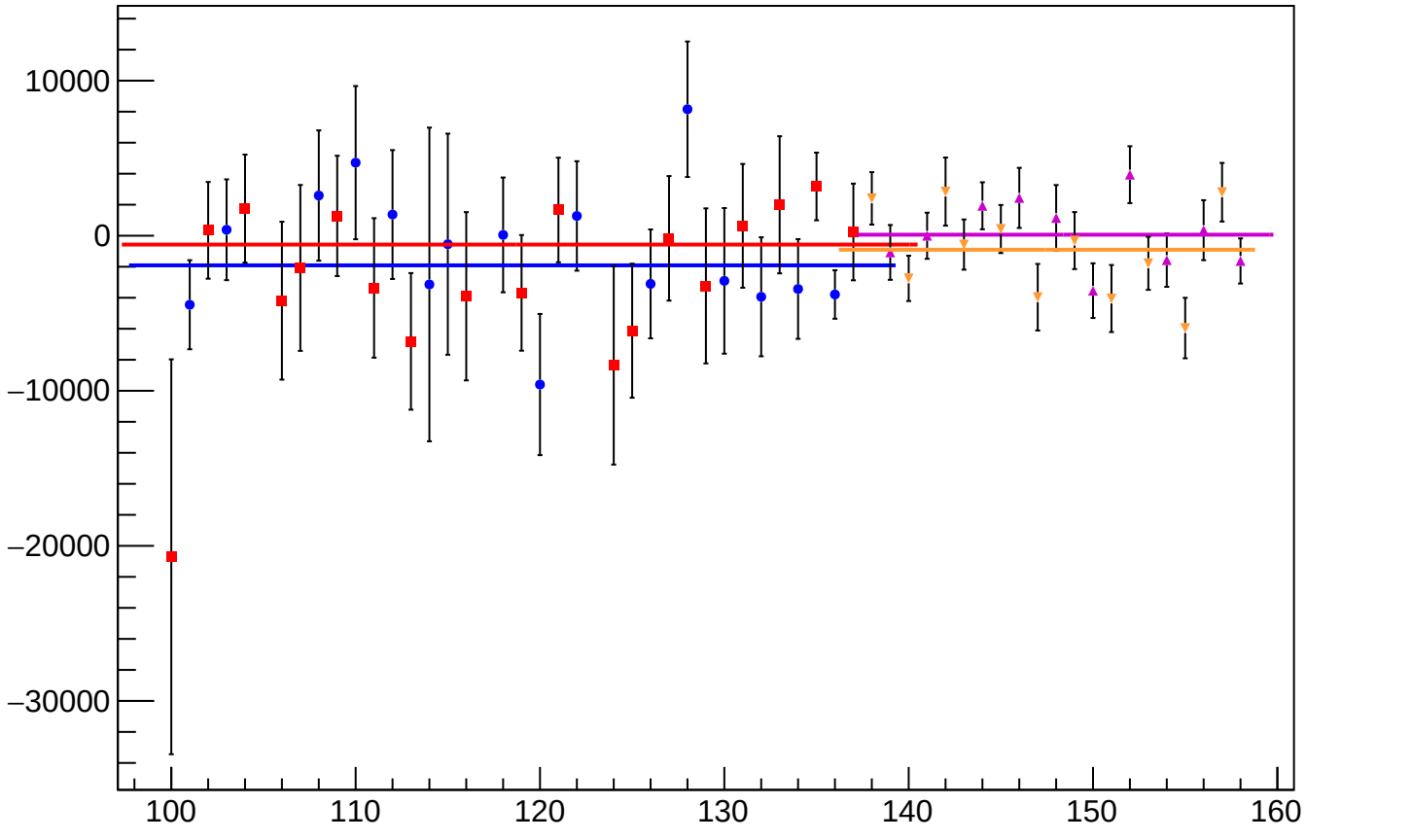
Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 198.101+/-0.048 χ^2/NDF:148963.3/9

+ sign 196.707+/-0.035 χ^2/NDF: 329981.2/26

All: 198.188+/-0.025 χ^2/NDF: 682256.2/55

- sign 199.692+/-0.035 χ^2/NDF: 348676.2/28



Right In: -1910.348+/-859.088 χ^2/NDF: 16.3/15

Left Out: -902.546+/-539.534 χ^2/NDF:24.2/10

Right Out: -570.946+/-900.451 χ^2/NDF: 14.6/18

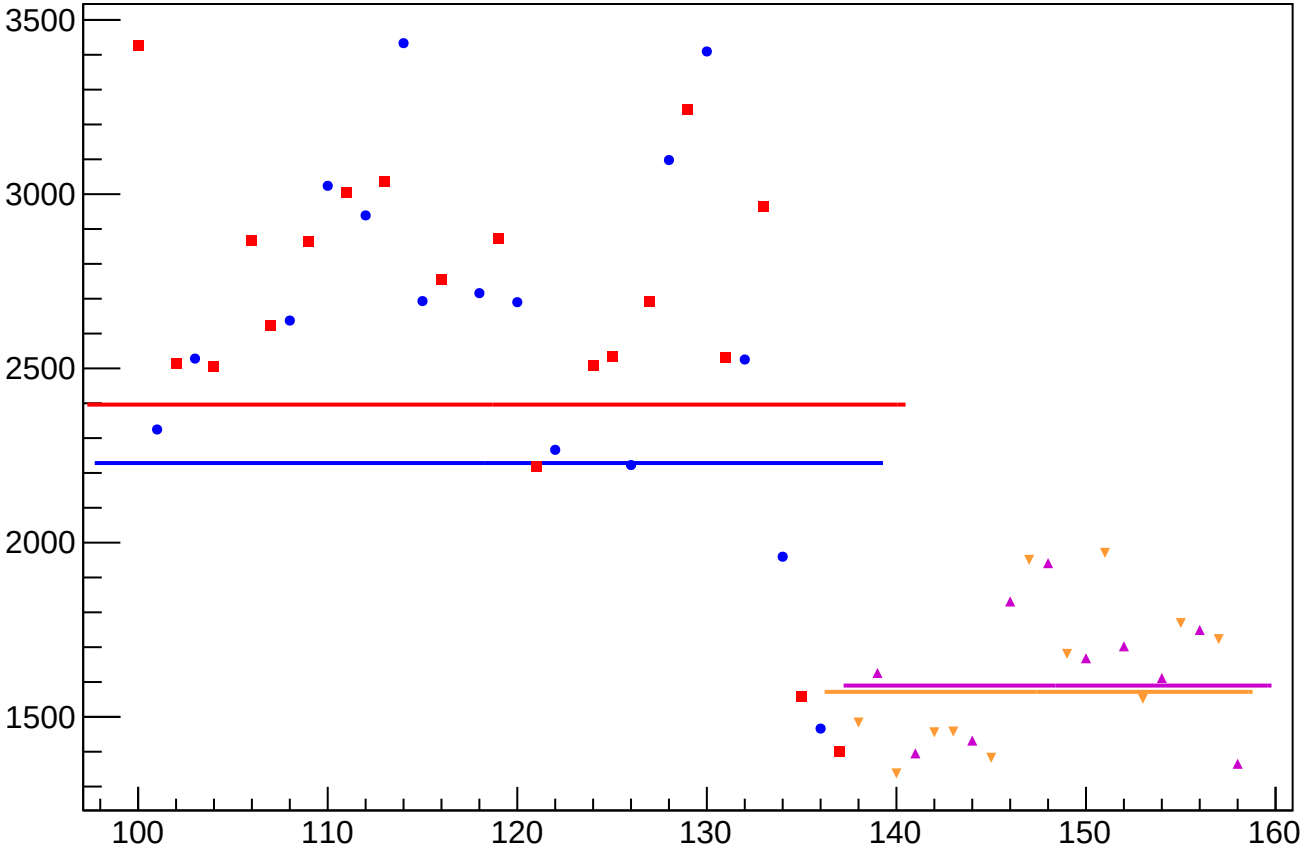
Left In: 65.978+/-542.880 χ^2/NDF:14.6/9

+ sign -1187.611+/-456.900 χ^2/NDF: 41.5/26

All: -655.143+/-325.876 χ^2/NDF: 73.9/55

- sign -103.817+/-464.921 χ^2/NDF: 29.6/28

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1571.802+/-0.382 χ^2/NDF:273030.9/10

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

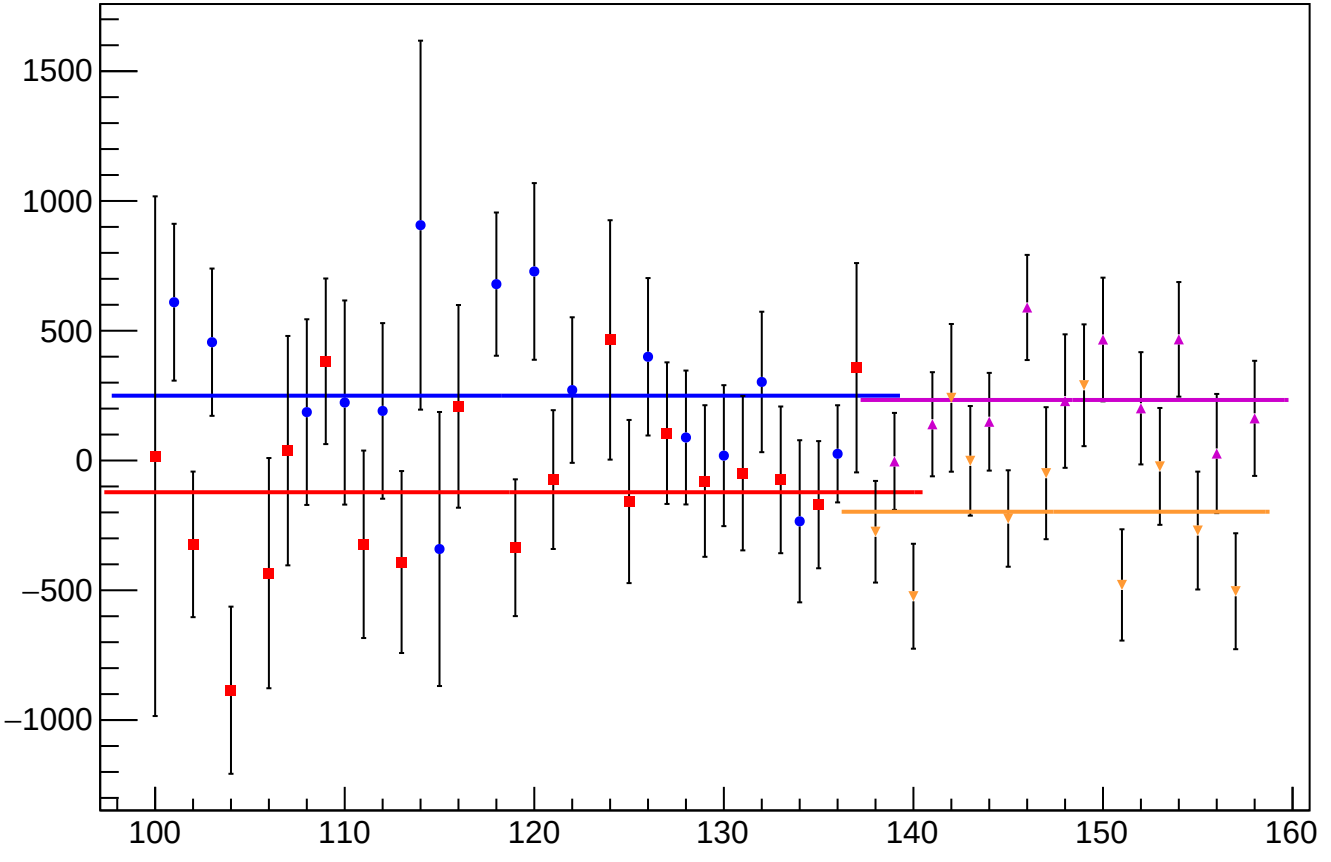
Left In: 1589.825+/-0.384 χ^2/NDF:215633.1/9

+ sign 1757.534+/-0.323 χ^2/NDF: 2058603.0/26

All: 1780.737+/-0.230 χ^2/NDF: 4260166.9/55

- sign 1804.761+/-0.329 χ^2/NDF: 2191066.0/28

cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -197.403+/-66.107 χ^2/NDF:15.0/10

Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

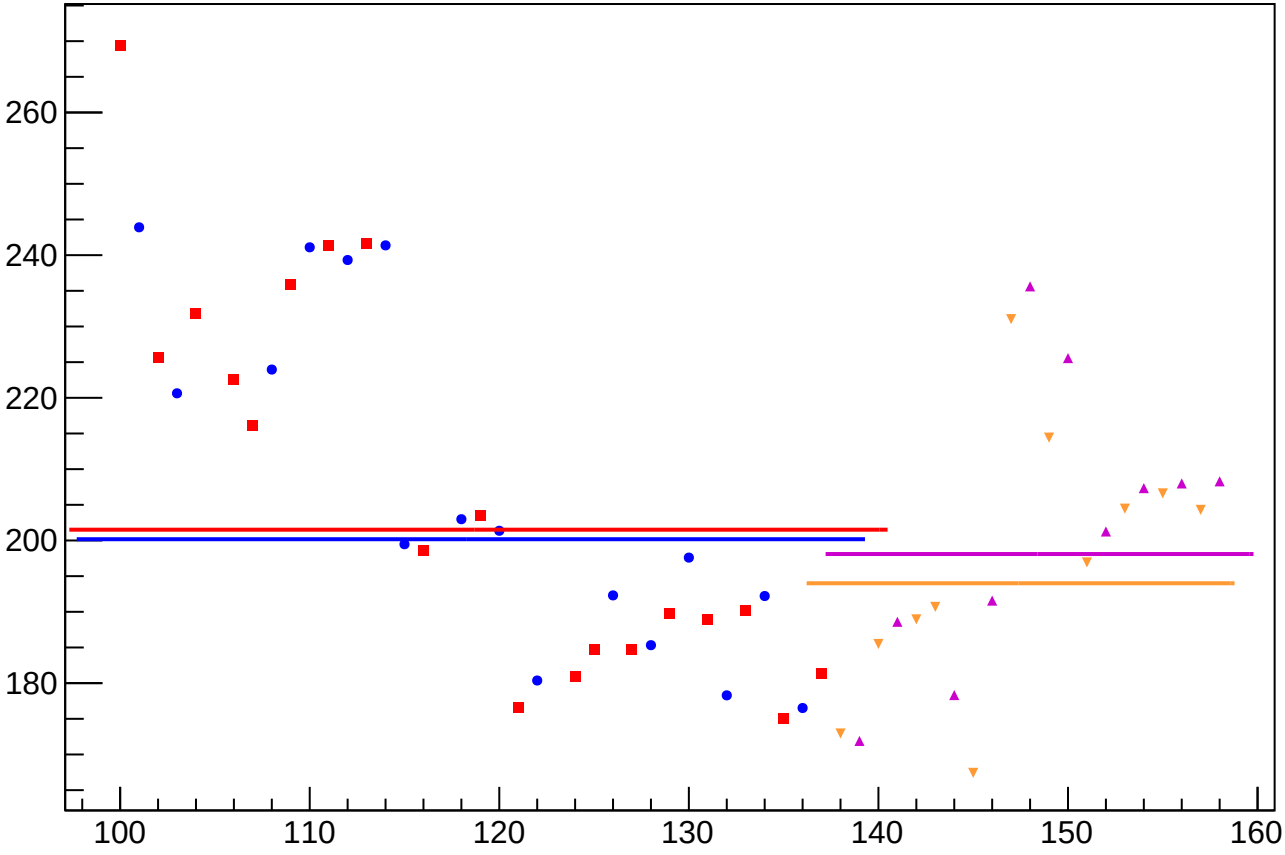
Left In: 233.246+/-67.419 χ^2/NDF:8.1/9

+ sign -1.529+/-49.557 χ^2/NDF: 48.8/26

All: 35.402+/-35.181 χ^2/NDF: 86.0/55

- sign 72.925+/-49.953 χ^2/NDF: 36.1/28

cor_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 194.003+/-0.047 χ^2/NDF:141338.0/10

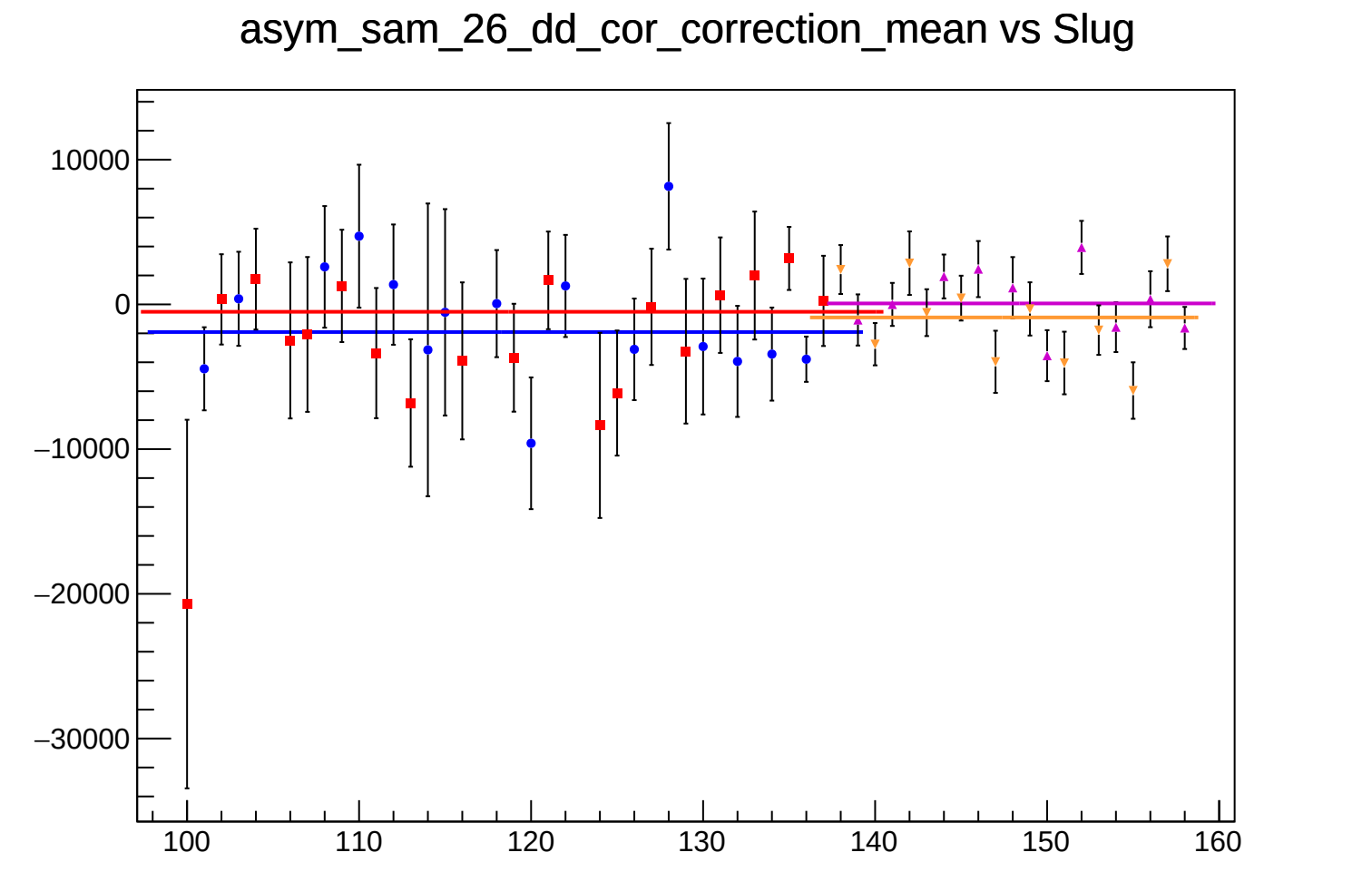
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 198.101+/-0.048 χ^2/NDF:148963.3/9

+ sign 196.707+/-0.035 χ^2/NDF: 329981.6/26

All: 198.162+/-0.025 χ^2/NDF: 680163.9/55

- sign 199.641+/-0.035 χ^2/NDF: 346706.0/28



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -902.549+/-539.534 χ^2/NDF:24.2/10

Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

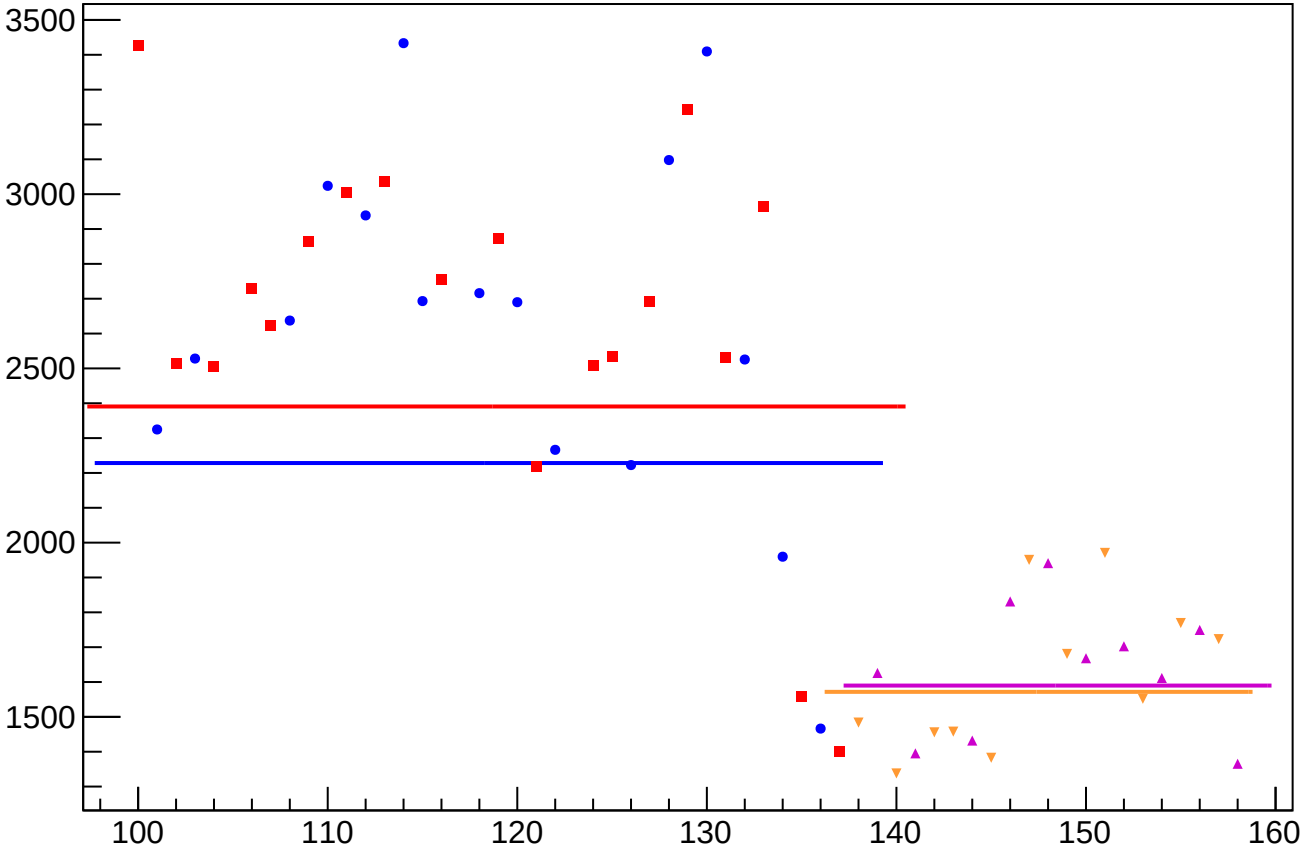
Left In: 65.971+/-542.881 χ^2/NDF:14.6/9

+ sign -1187.601+/-456.901 χ^2/NDF: 41.5/26

All: -647.387+/-325.950 χ^2/NDF: 73.5/55

- sign -87.524+/-465.135 χ^2/NDF: 29.2/28

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1571.802+/-0.382 χ^2/NDF:273031.8/10

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

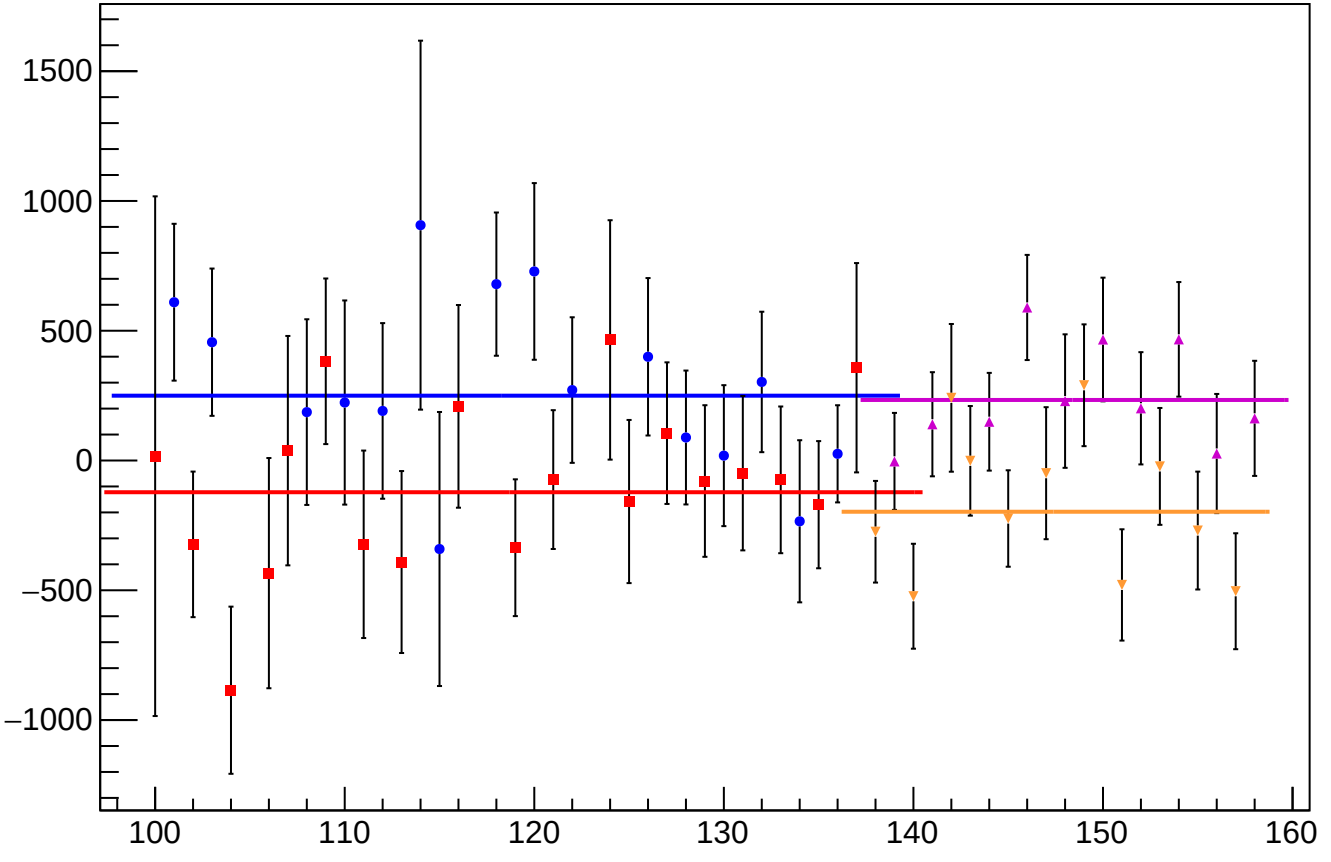
Left In: 1589.825+/-0.384 χ^2/NDF:215633.4/9

+ sign 1757.535+/-0.323 χ^2/NDF: 2058615.5/26

All: 1779.760+/-0.230 χ^2/NDF: 4231377.9/55

- sign 1802.793+/-0.329 χ^2/NDF: 2163126.2/28

eigen_cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -197.403+/-66.107 χ^2/NDF:15.0/10

Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

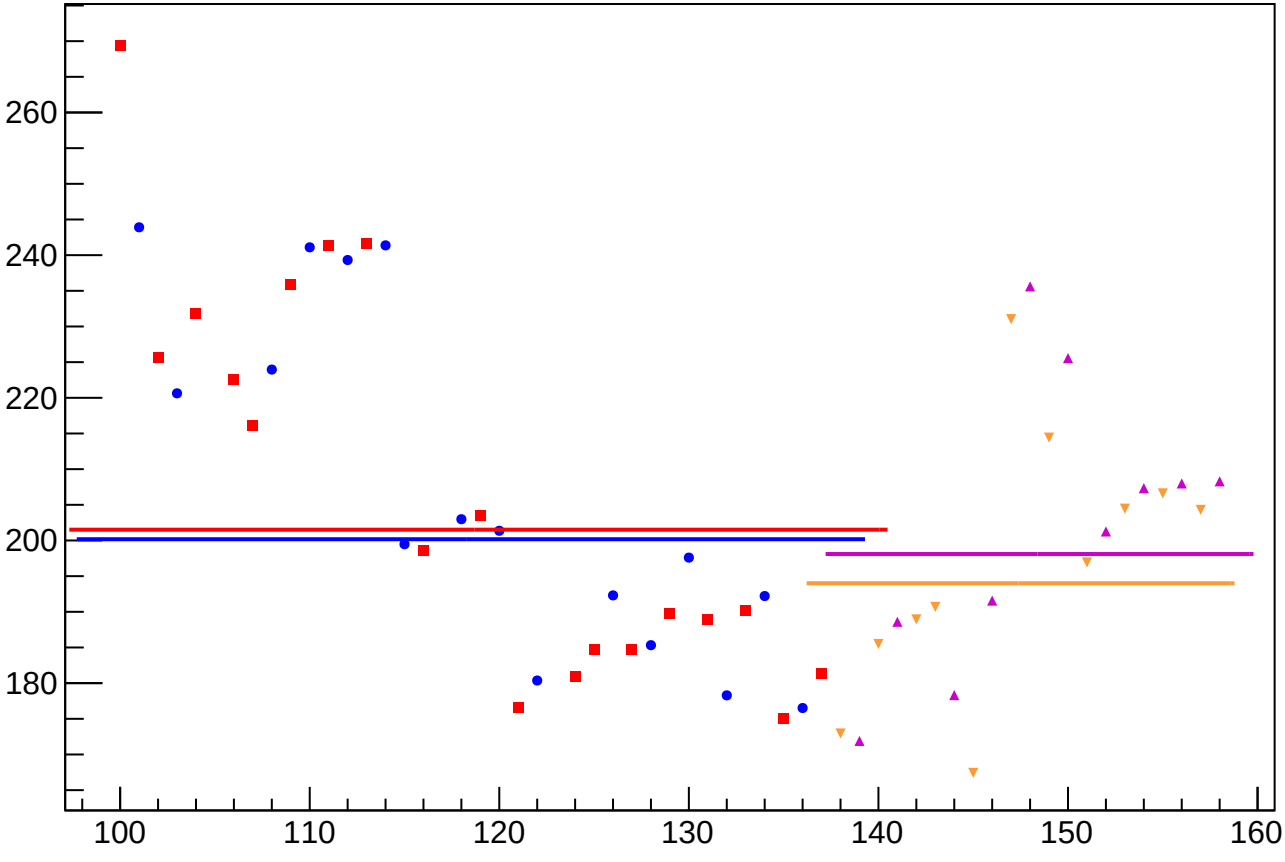
Left In: 233.246+/-67.419 χ^2/NDF:8.1/9

+ sign -1.529+/-49.557 χ^2/NDF: 48.8/26

All: 35.402+/-35.181 χ^2/NDF: 86.0/55

- sign 72.925+/-49.953 χ^2/NDF: 36.1/28

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 194.003+/-0.047 χ^2/NDF:141338.0/10

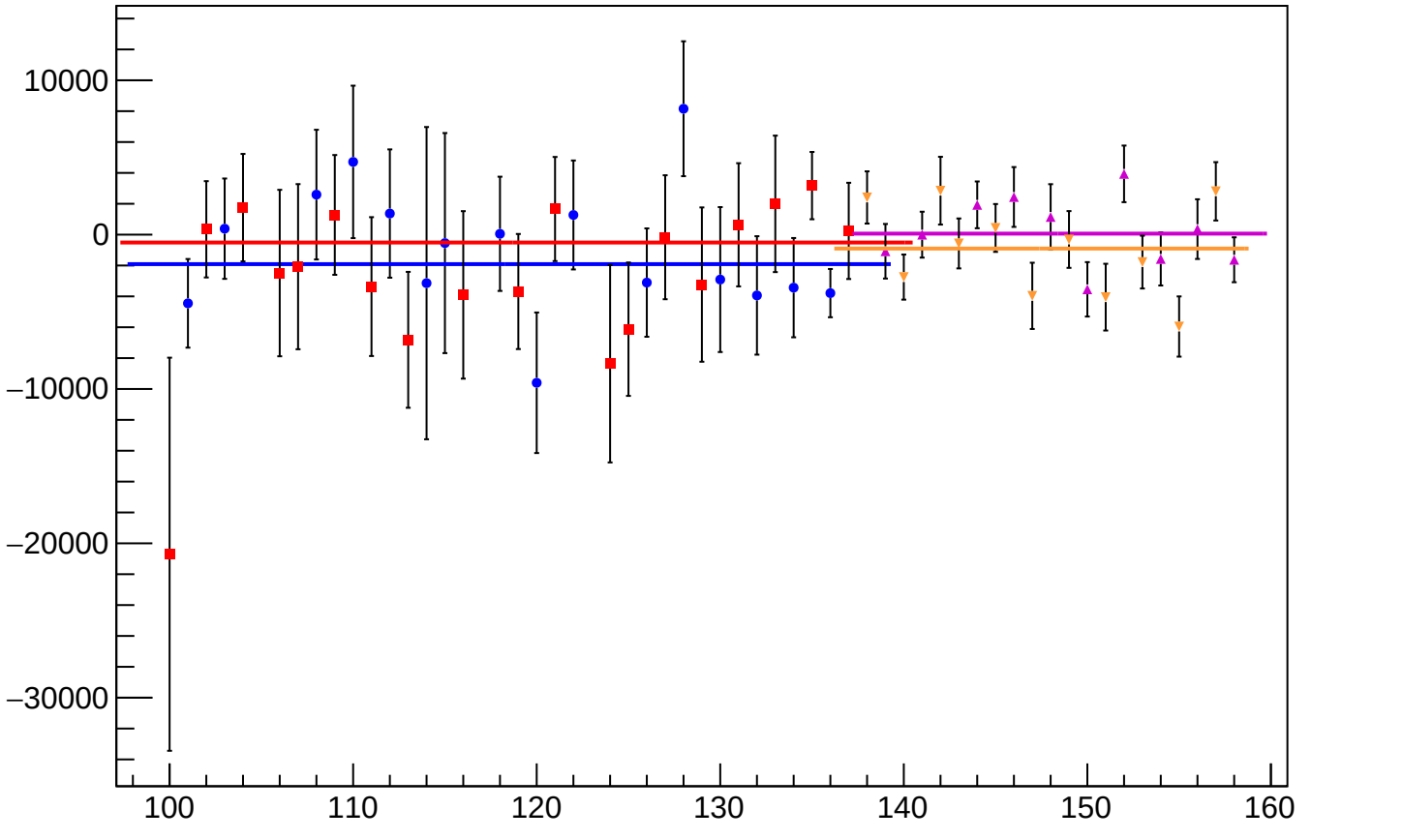
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 198.101+/-0.048 χ^2/NDF:148963.3/9

+ sign 196.707+/-0.035 χ^2/NDF: 329981.6/26

All: 198.162+/-0.025 χ^2/NDF: 680163.9/55

- sign 199.641+/-0.035 χ^2/NDF: 346706.0/28



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -902.549+/-539.534 χ^2/NDF:24.2/10

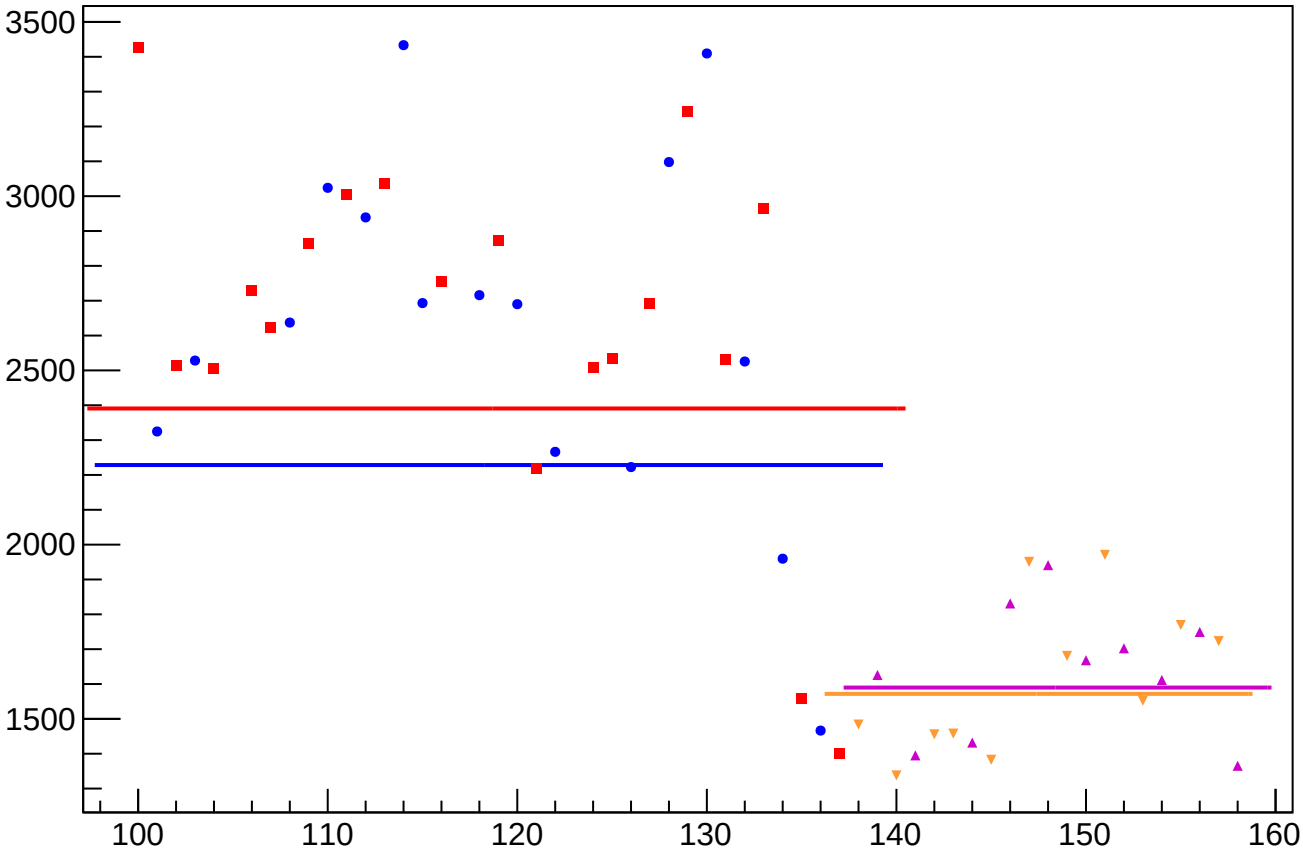
Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: 65.971+/-542.881 χ^2/NDF:14.6/9

+ sign -1187.601+/-456.901 χ^2/NDF: 41.5/26

All: -647.387+/-325.950 χ^2/NDF: 73.5/55

- sign -87.524+/-465.135 χ^2/NDF: 29.2/28



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1571.802+/-0.382 χ^2/NDF:273031.8/10

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

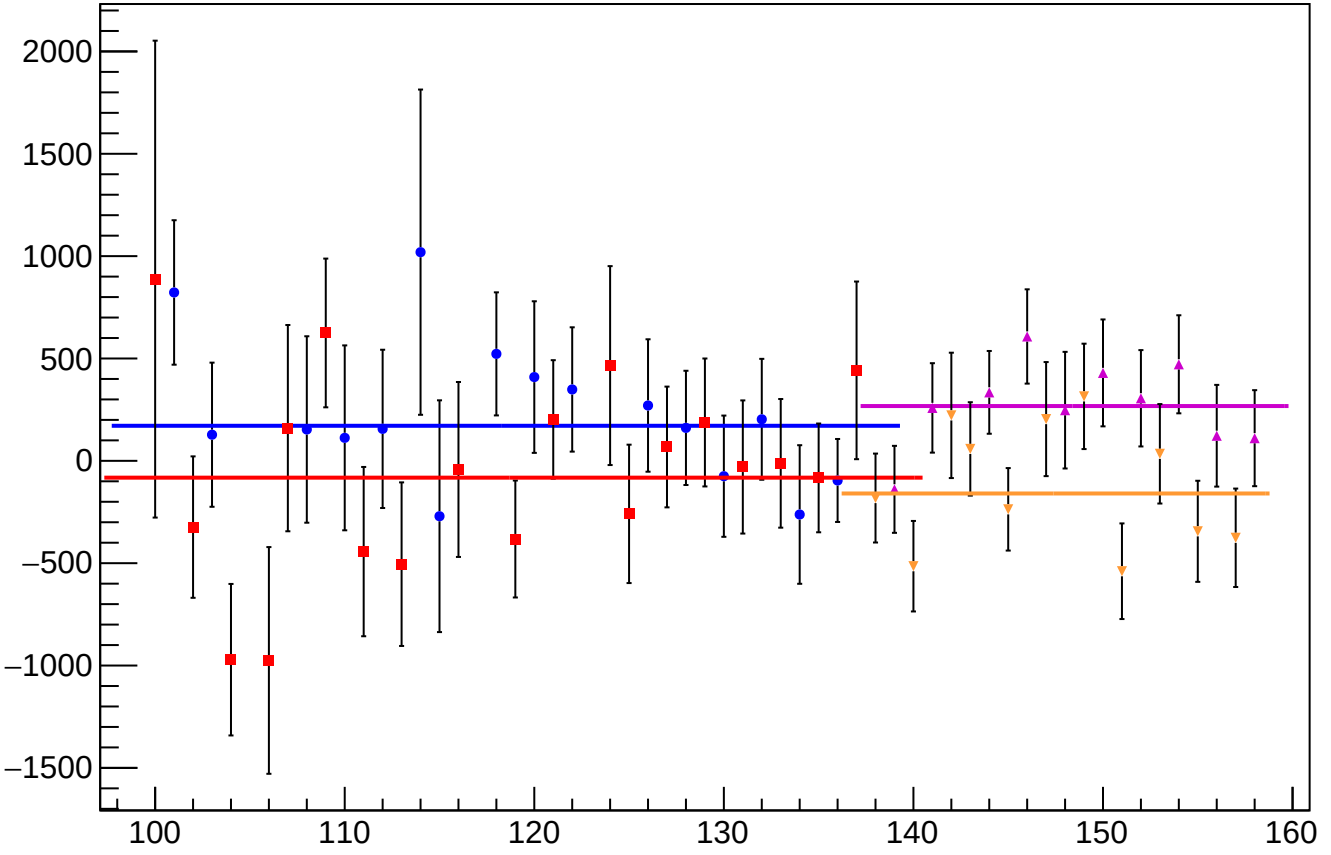
Left In: 1589.825+/-0.384 χ^2/NDF:215633.4/9

+ sign 1757.535+/-0.323 χ^2/NDF: 2058615.5/26

All: 1779.760+/-0.230 χ^2/NDF: 4231377.9/55

- sign 1802.793+/-0.329 χ^2/NDF: 2163126.2/28

dit_asym_sam_26_dd_mean vs Slug



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -159.481+/-71.960 χ^2/NDF:15.0/10

Right Out: -82.152+/-82.545 χ^2/NDF: 21.6/18

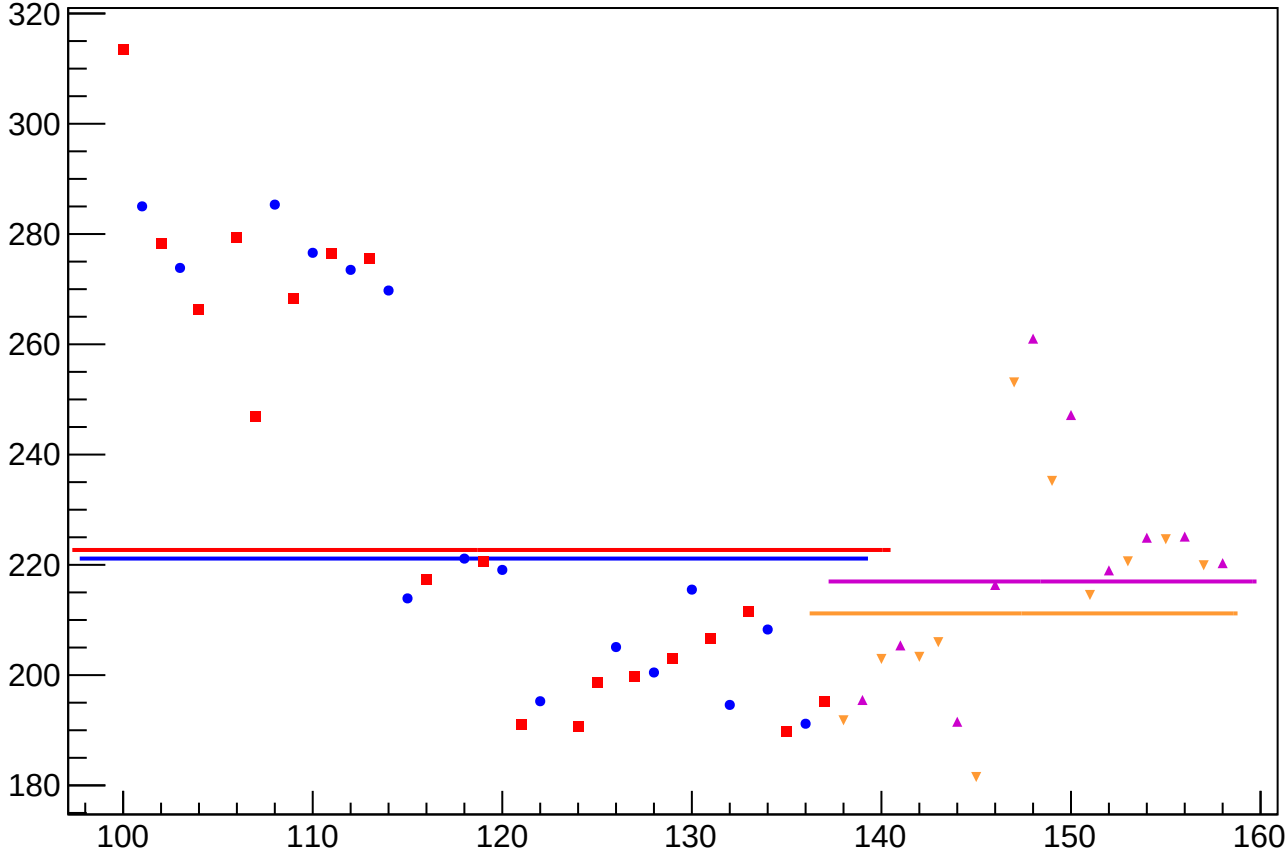
Left In: 267.681+/-73.868 χ^2/NDF:7.9/9

\+ sign -17.781+/-54.403 χ^2/NDF: 35.5/26

All: 46.402+/-38.694 χ^2/NDF: 77.8/55

\- sign 112.111+/-55.046 χ^2/NDF: 39.5/28

dit_asym_sam_26_dd_rms vs Slug



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 211.192+/-0.051 χ^2/NDF:139119.2/10

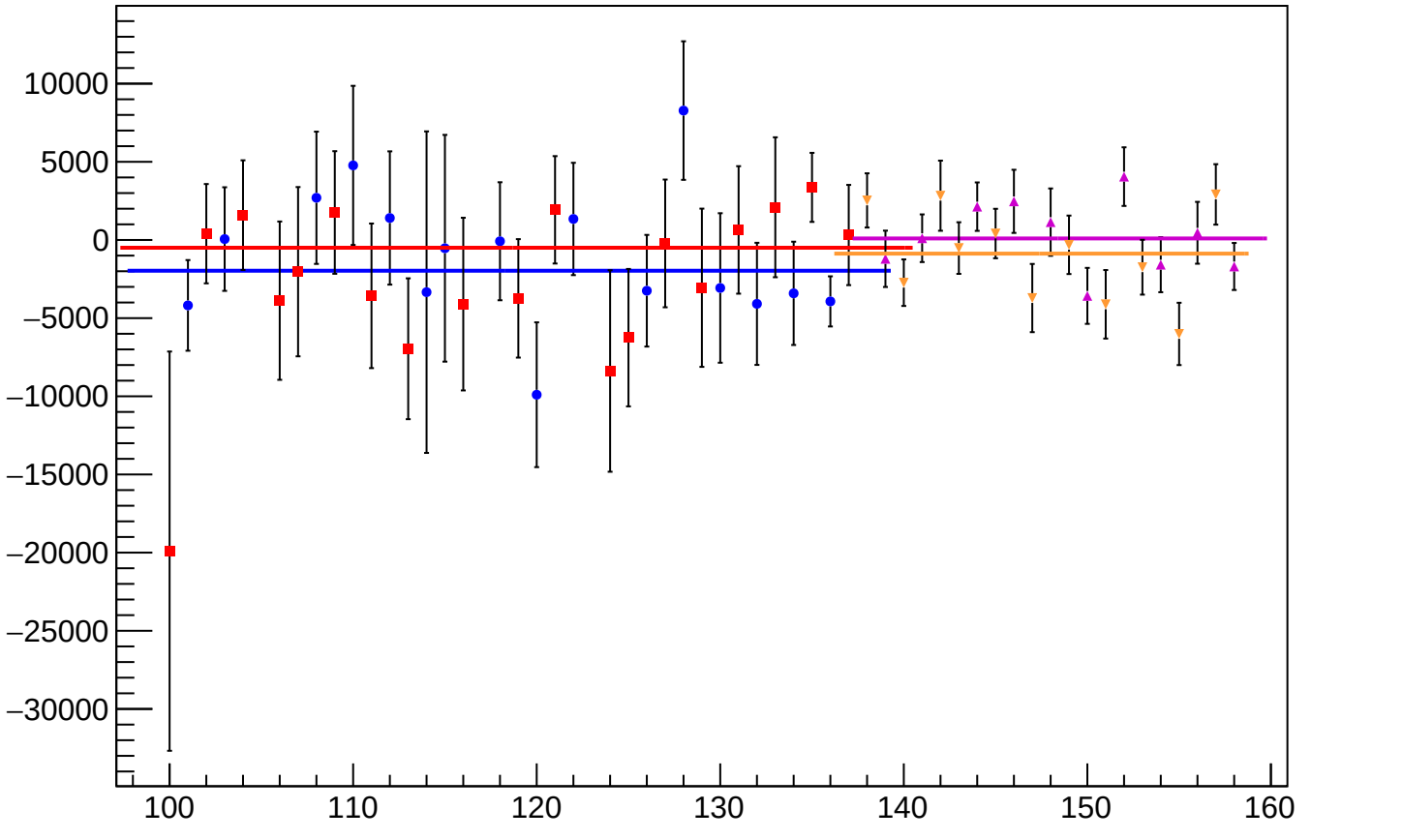
Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 216.982+/-0.052 χ^2/NDF:137207.0/9

+ sign 215.453+/-0.038 χ^2/NDF: 474194.9/26

All: 217.465+/-0.027 χ^2/NDF: 949289.9/55

- sign 219.524+/-0.039 χ^2/NDF: 469563.1/28



Right In: -1967.414+/-876.610 χ^2/NDF: 16.2/15

Left Out: -872.921+/-550.635 χ^2/NDF:23.6/10

Right Out: -497.281+/-914.759 χ^2/NDF: 14.8/18

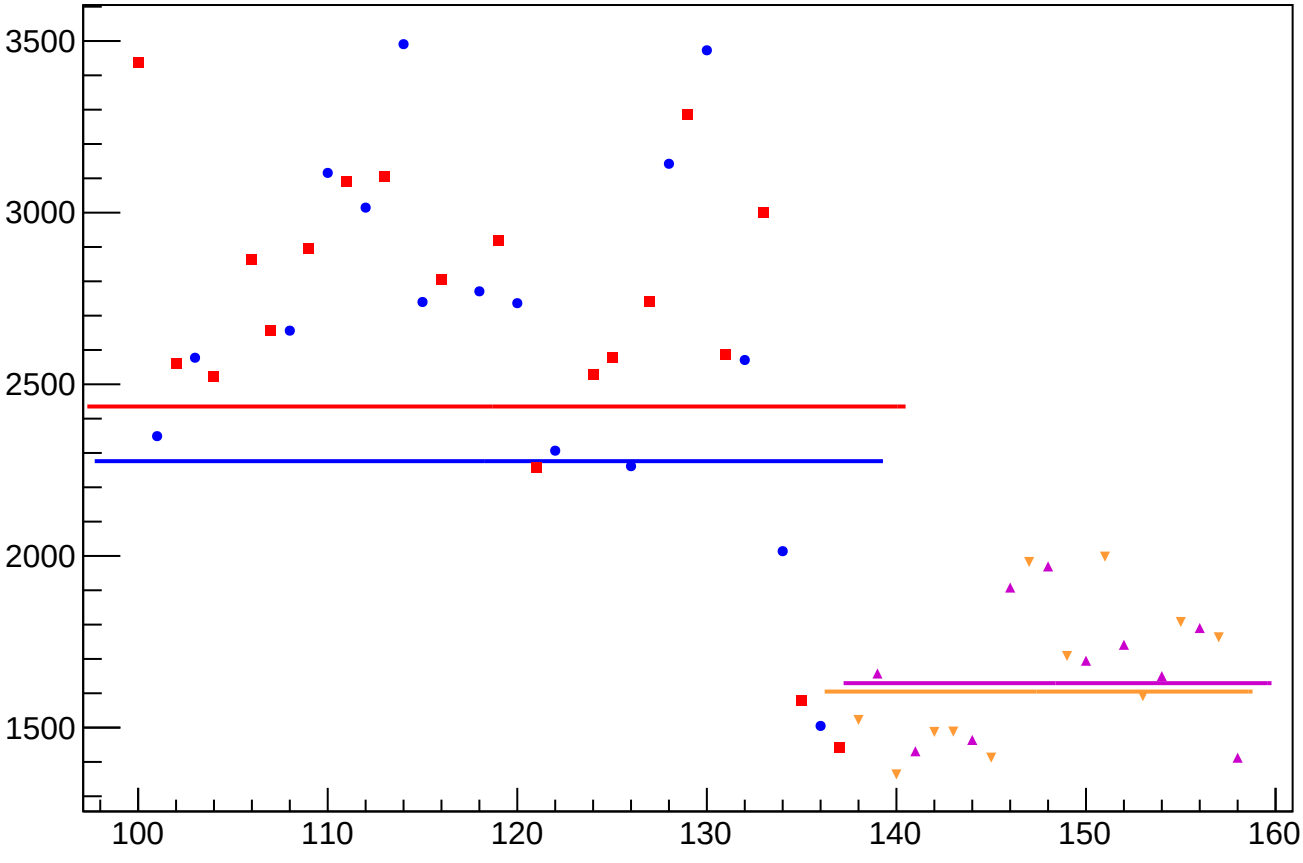
Left In: 97.166+/-556.243 χ^2/NDF:14.9/9

+ sign -1182.585+/-466.278 χ^2/NDF: 40.8/26

All: -633.635+/-332.843 χ^2/NDF: 73.6/55

- sign -63.301+/-475.273 χ^2/NDF: 30.0/28

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1604.961+/-0.389 χ^2/NDF:266714.7/10

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

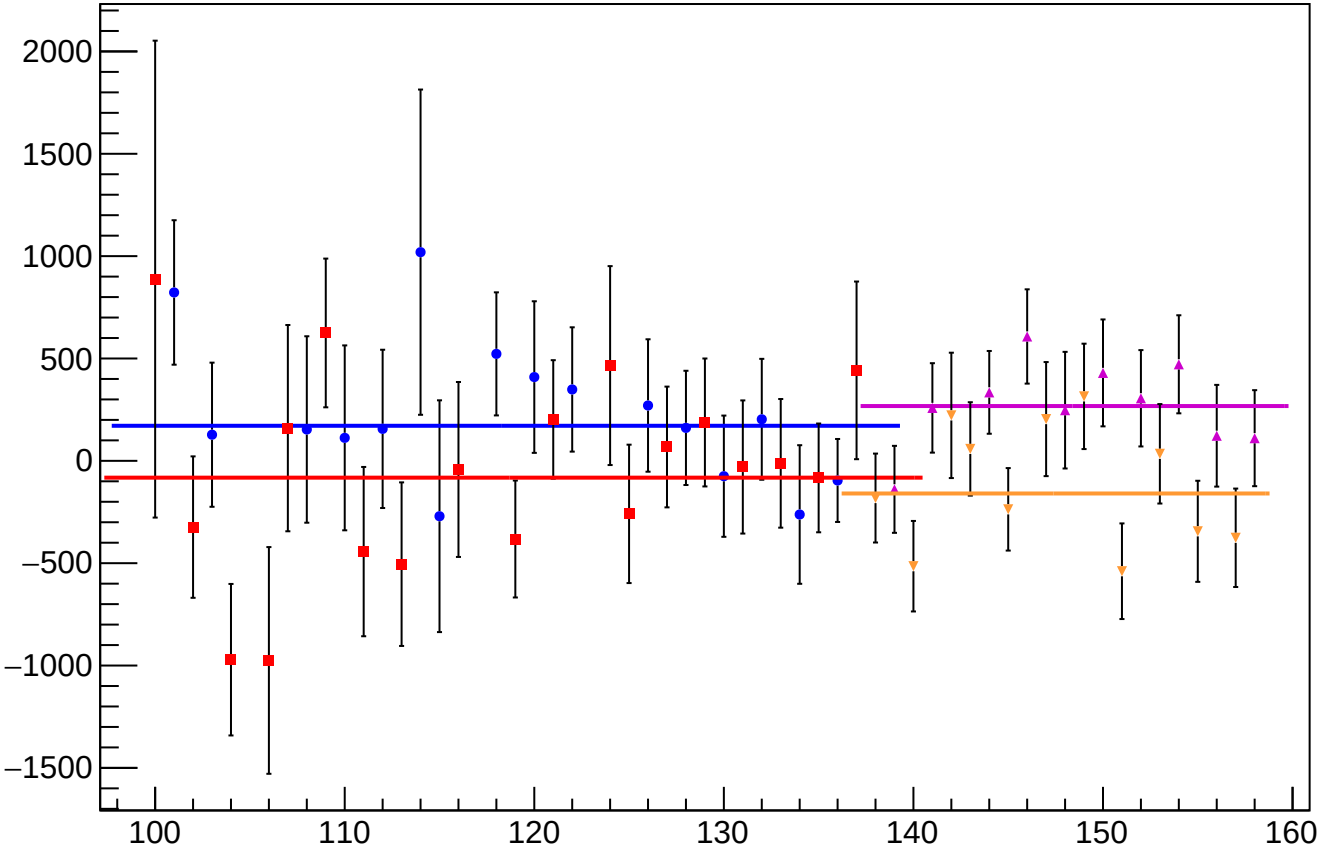
Left In: 1629.450+/-0.393 χ^2/NDF:209974.1/9

+ sign 1794.856+/-0.330 χ^2/NDF: 2034412.1/26

All: 1820.429+/-0.235 χ^2/NDF: 4181455.3/55

- sign 1846.999+/-0.336 χ^2/NDF: 2134776.5/28

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -159.483+/-71.960 χ^2/NDF:15.0/10

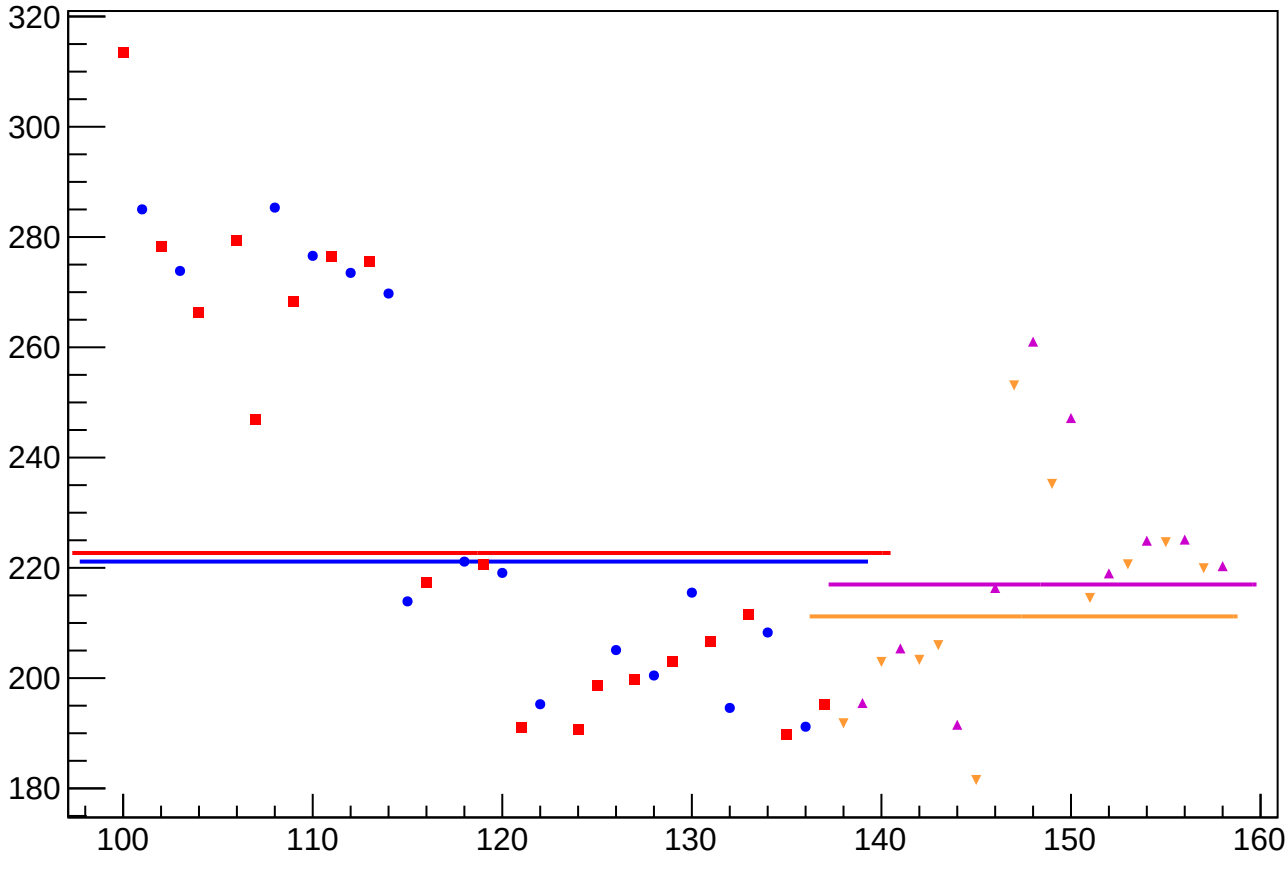
Right Out: -82.150+/-82.545 χ^2/NDF: 21.6/18

Left In: 267.682+/-73.868 χ^2/NDF:7.9/9

+ sign -17.781+/-54.403 χ^2/NDF: 35.5/26

All: 46.403+/-38.694 χ^2/NDF: 77.8/55

- sign 112.112+/-55.046 χ^2/NDF: 39.5/28



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 211.192+/-0.051 χ^2/NDF:139123.3/10

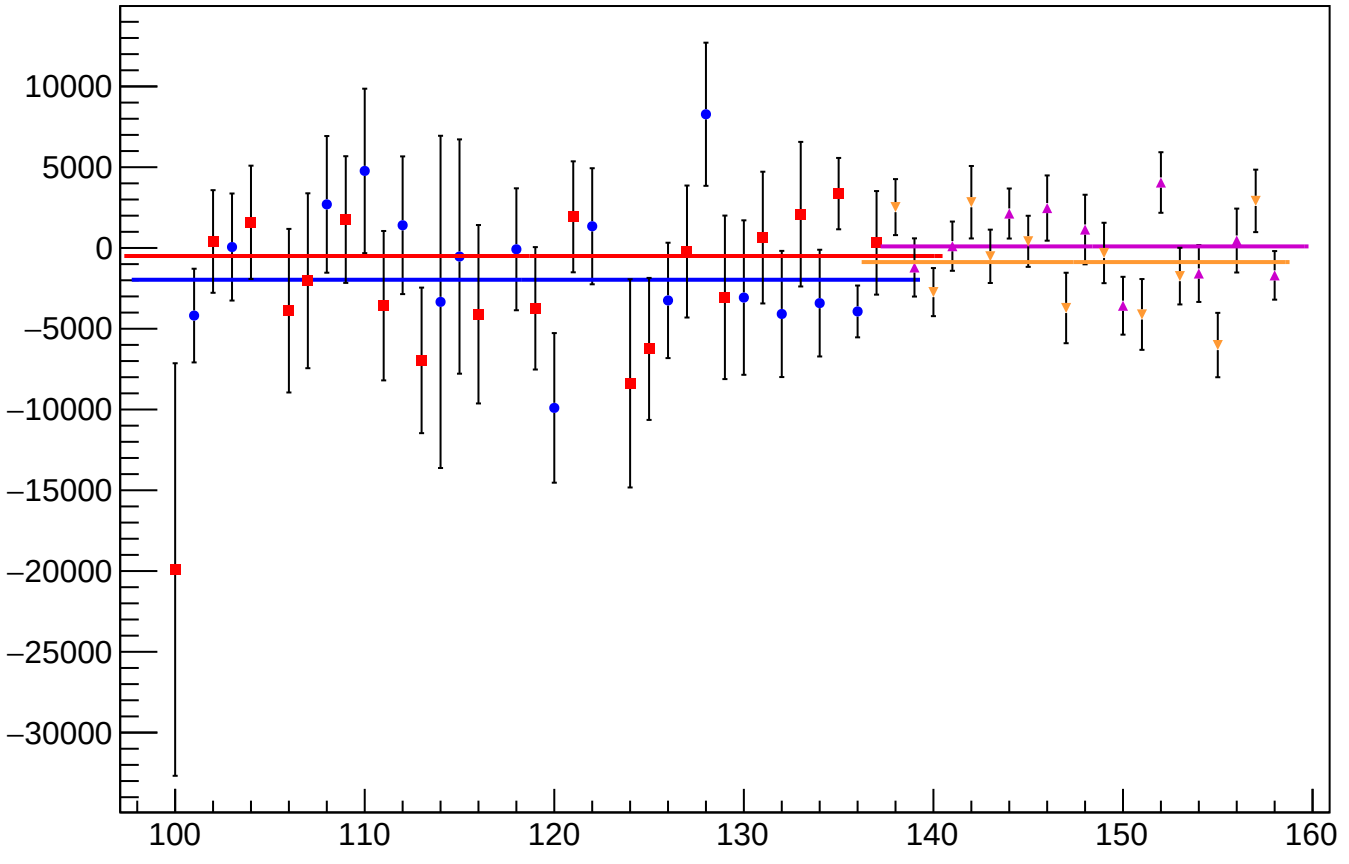
Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 216.982+/-0.052 χ^2/NDF:137209.0/9

+ sign 215.453+/-0.038 χ^2/NDF: 474190.5/26

All: 217.464+/-0.027 χ^2/NDF: 949279.3/55

- sign 219.523+/-0.039 χ^2/NDF: 469556.7/28



Right In: -1967.409+/-876.608 χ^2/NDF: 16.2/15

Left Out: -872.923+/-550.635 χ^2/NDF:23.6/10

Right Out: -497.282+/-914.757 χ^2/NDF: 14.8/18

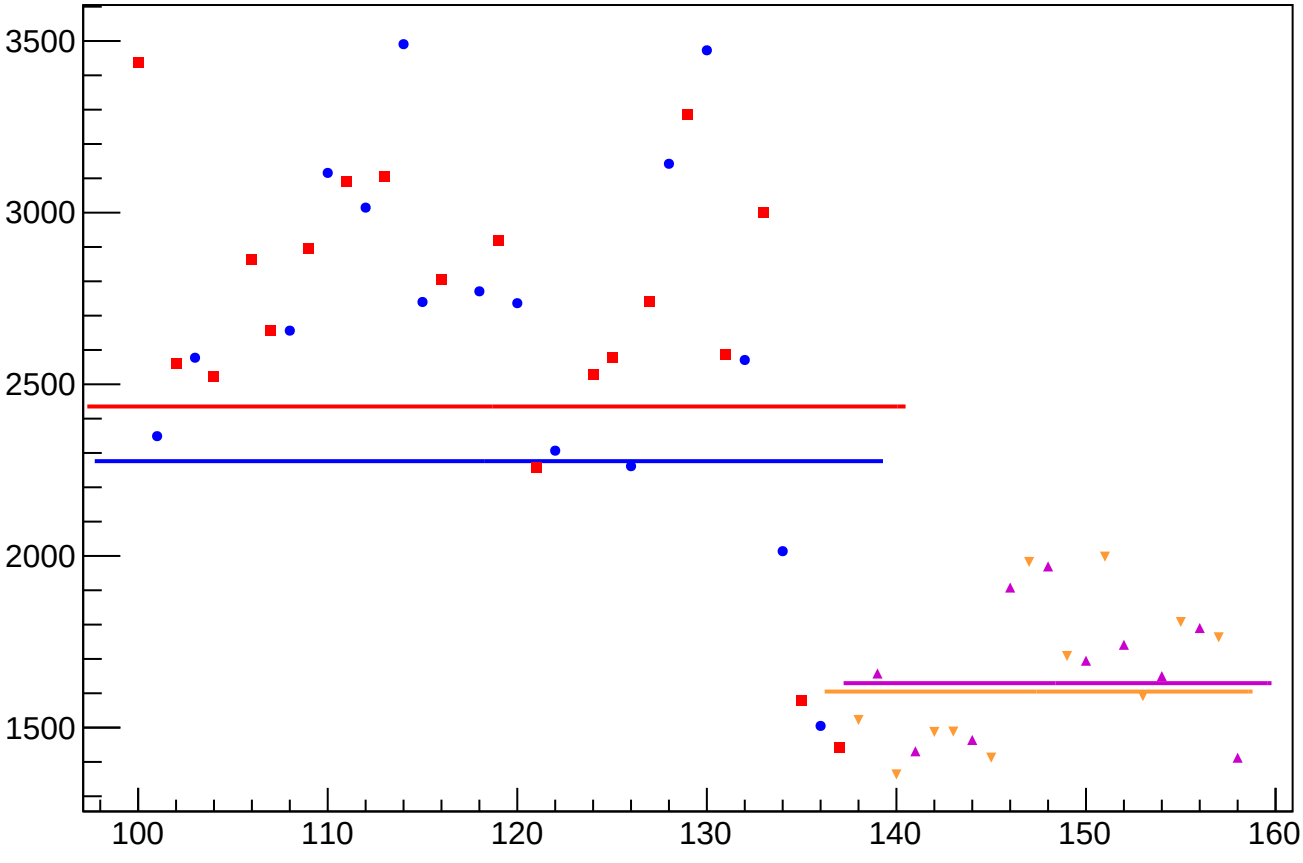
Left In: 97.165+/-556.243 χ^2/NDF:14.9/9

+ sign -1182.585+/-466.278 χ^2/NDF: 40.8/26

All: -633.636+/-332.843 χ^2/NDF: 73.6/55

- sign -63.303+/-475.273 χ^2/NDF: 30.0/28

asym_sam_26_dd_eigen_dit_correction_rms vs Slug



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1604.961+/-0.389 χ^2/NDF:266717.8/10

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

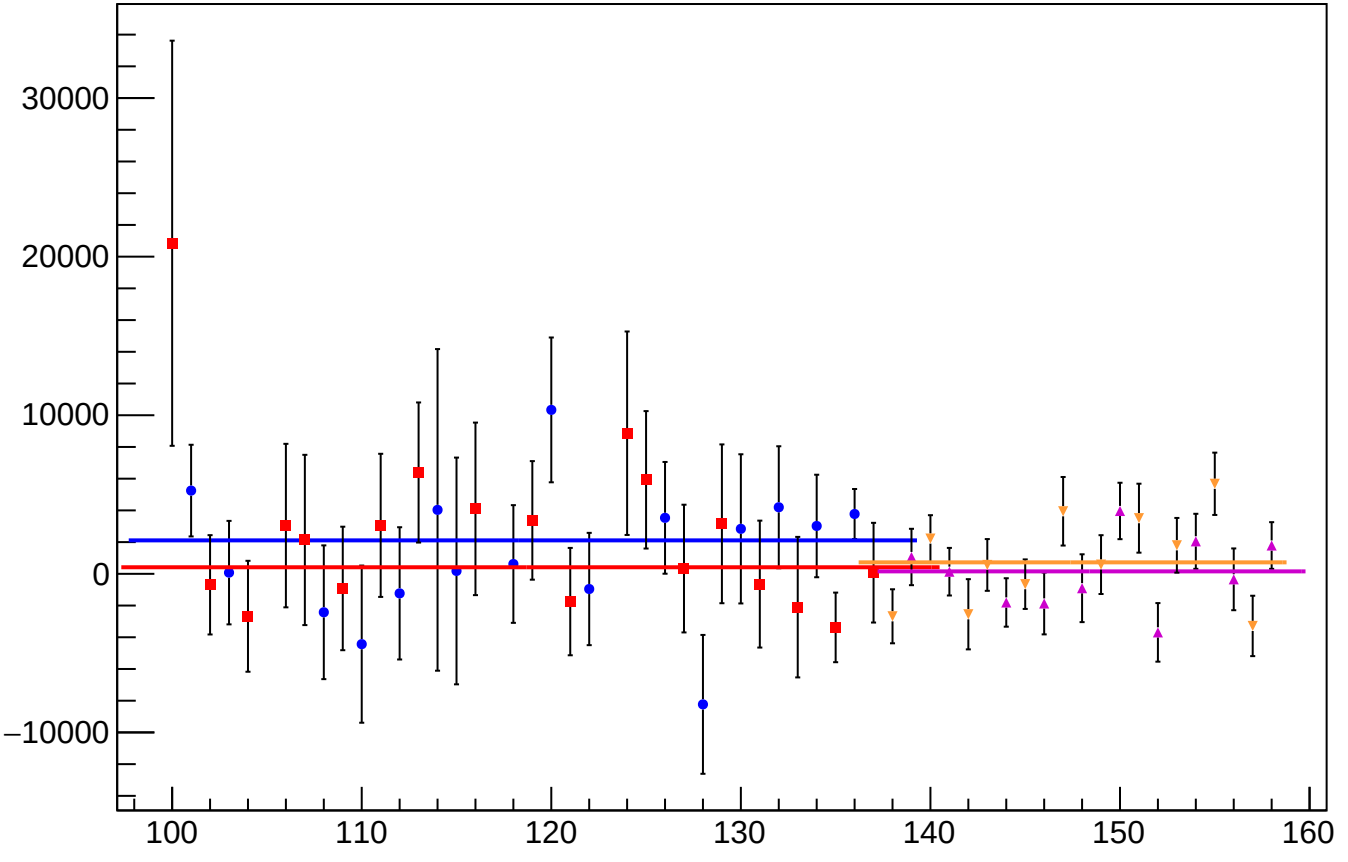
Left In: 1629.450+/-0.393 χ^2/NDF:209975.6/9

+ sign 1794.855+/-0.330 χ^2/NDF: 2034401.6/26

All: 1820.428+/-0.235 χ^2/NDF: 4181433.9/55

- sign 1846.998+/-0.336 χ^2/NDF: 2134765.7/28

asym_sam_26_dd_mean vs Slug



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: 723.574+/-543.794 χ^2/NDF:23.0/10

Right Out: 414.095+/-904.414 χ^2/NDF: 14.7/18

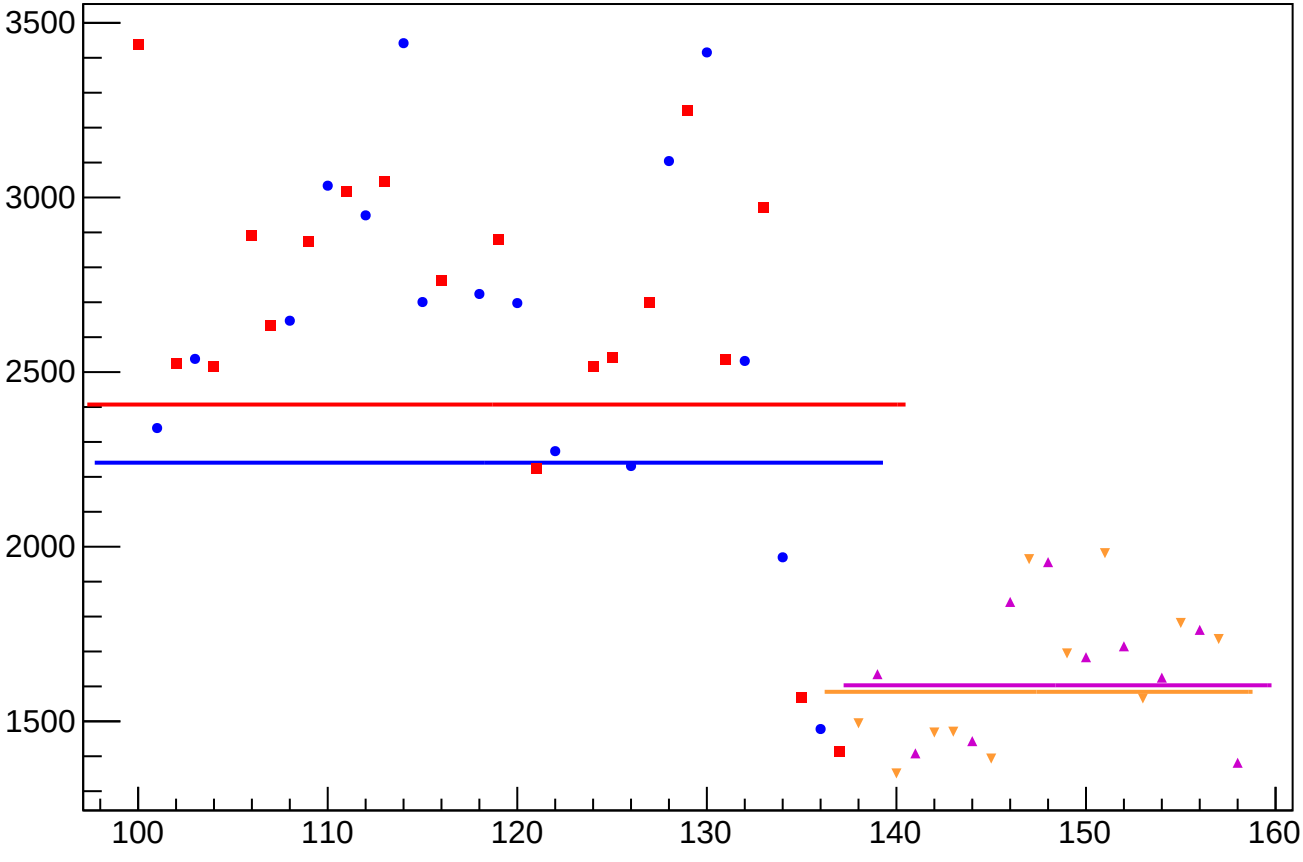
Left In: 154.719+/-547.339 χ^2/NDF:14.6/9

+ sign 1117.284+/-460.118 χ^2/NDF: 41.5/26

All: 678.603+/-328.195 χ^2/NDF: 72.7/55

- sign 224.250+/-468.265 χ^2/NDF: 29.4/28

asym_sam_26_dd_rms vs Slug



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1584.531+/-0.385 χ^2/NDF:269556.1/10

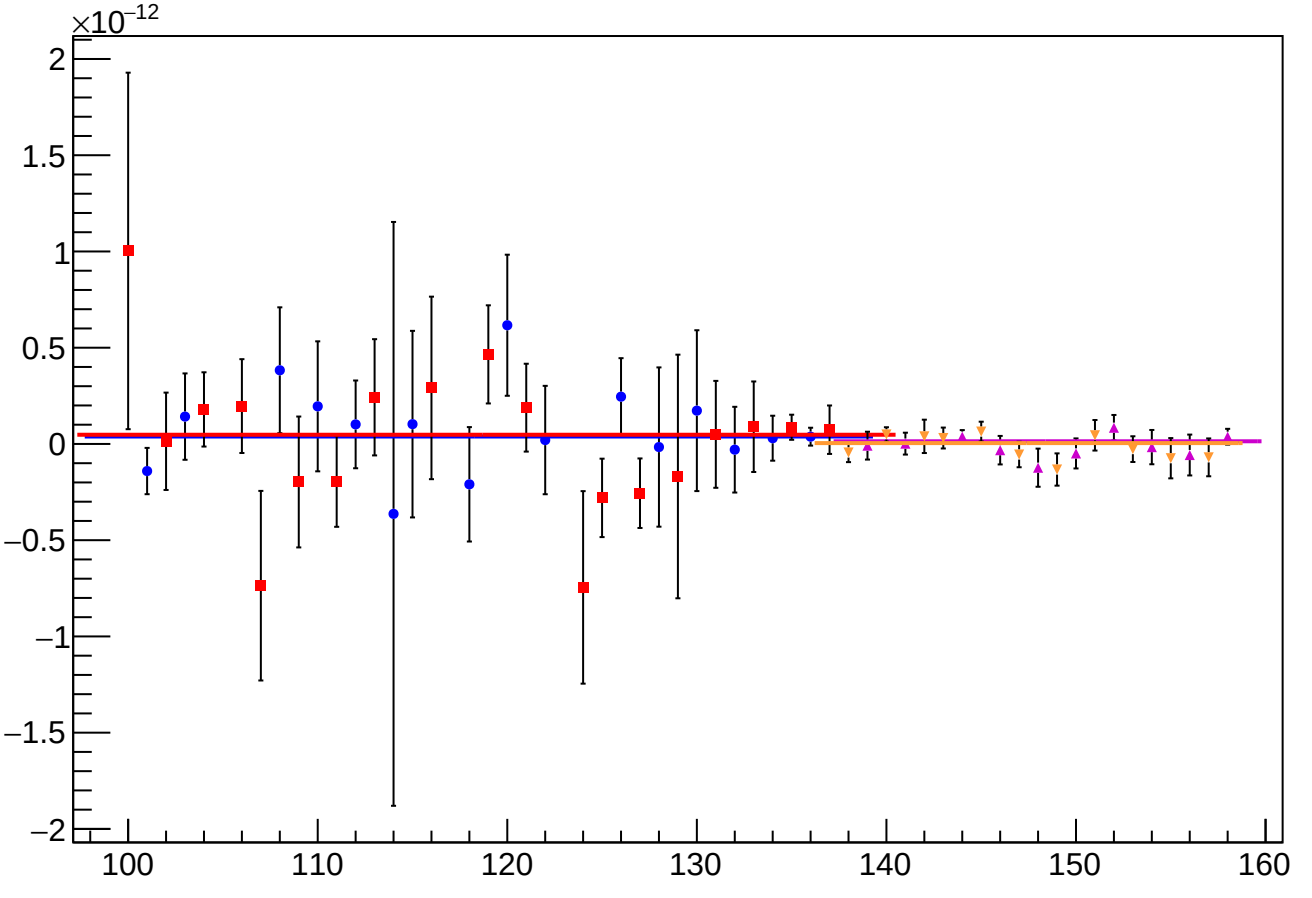
Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

Left In: 1603.185+/-0.387 χ^2/NDF:211111.9/9

+ sign 1770.908+/-0.325 χ^2/NDF: 2030174.4/26

All: 1794.383+/-0.232 χ^2/NDF: 4197535.0/55

- sign 1818.697+/-0.331 χ^2/NDF: 2156762.2/28



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.2/10

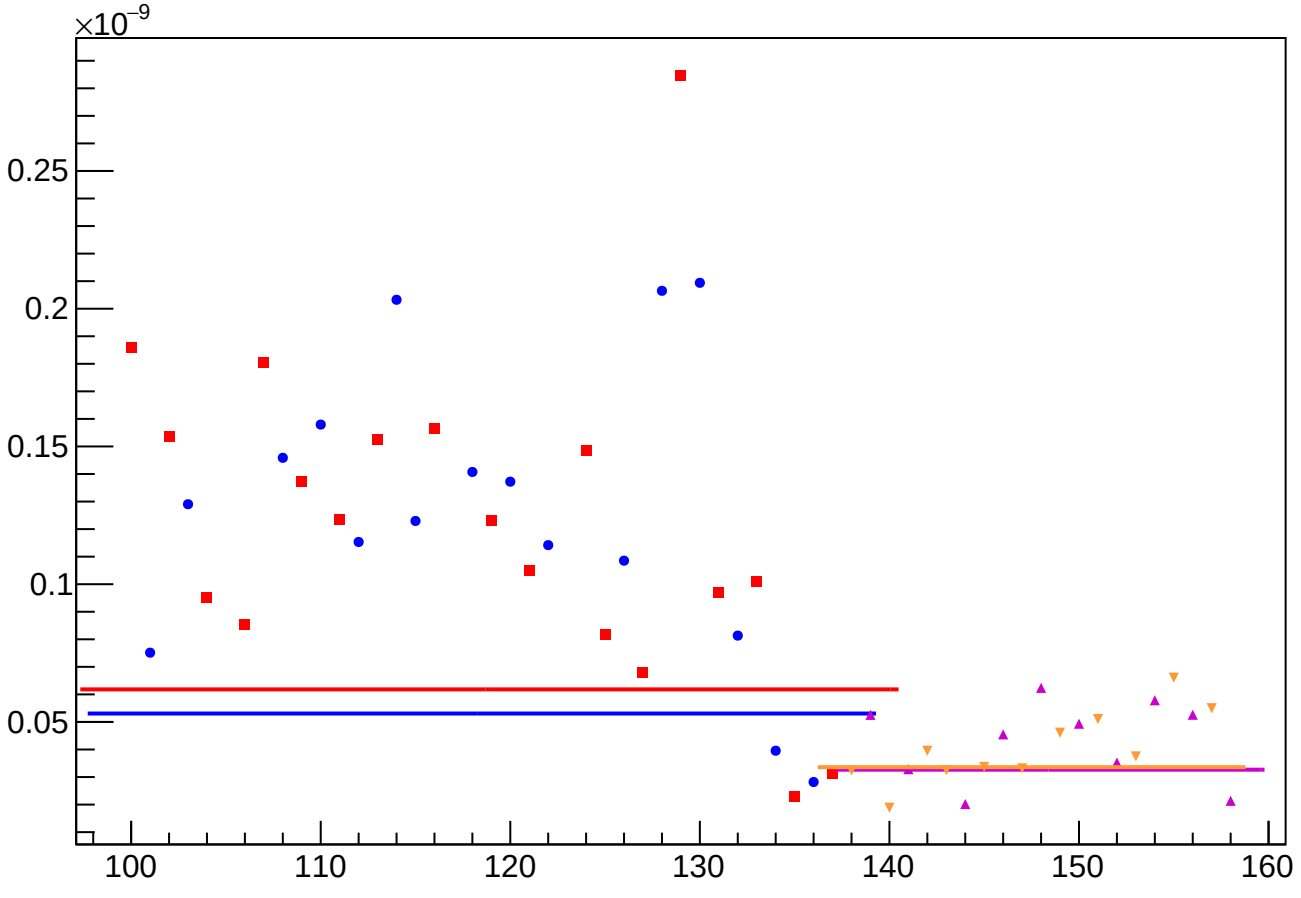
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:5.6/9

+ sign 0.000+/-0.000 χ^2/NDF: 18.4/26

All: 0.000+/-0.000 χ^2/NDF: 42.9/55

- sign 0.000+/-0.000 χ^2/NDF: 24.4/28



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:756379.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

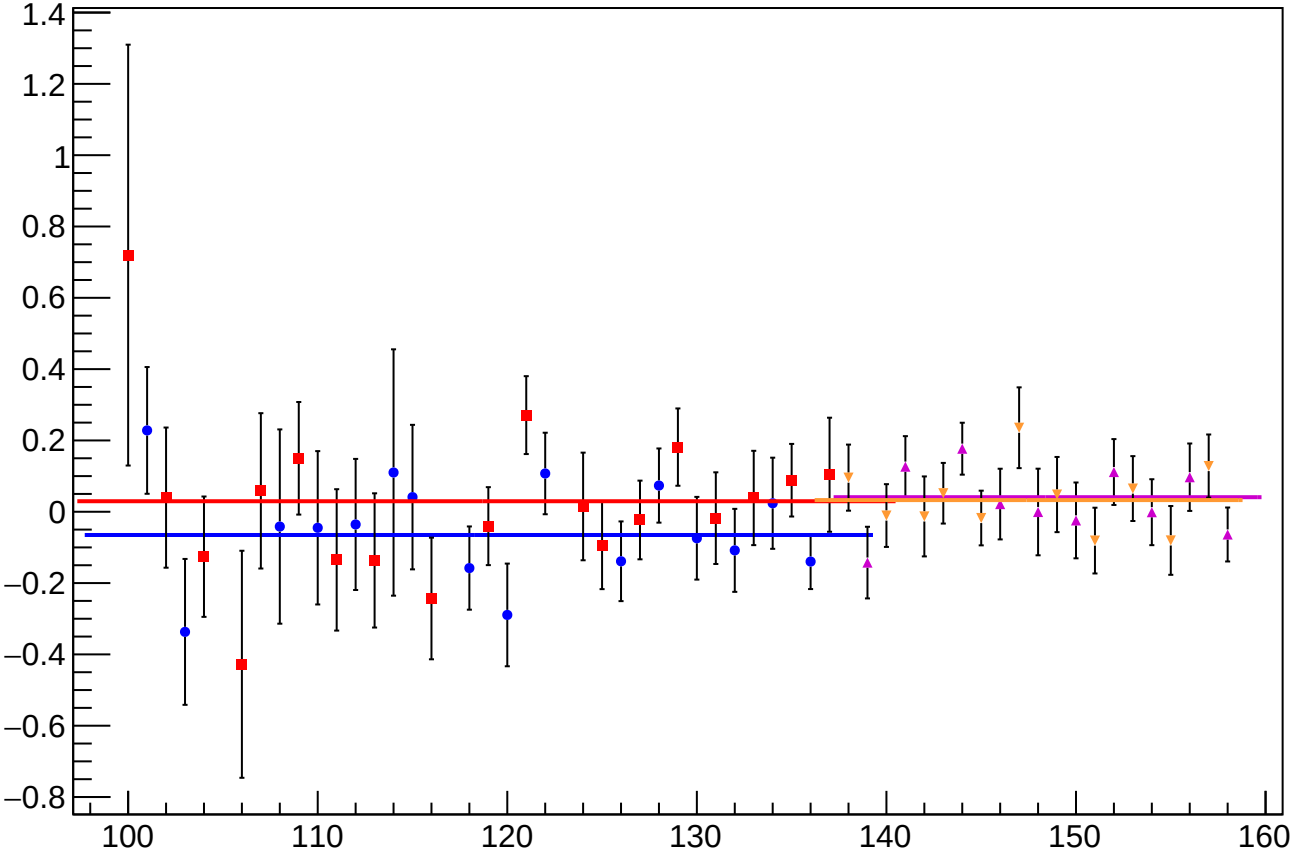
Left In: 0.000+/-0.000 χ^2/NDF:1136397.5/9

+ sign 0.000+/-0.000 χ^2/NDF: 3788326.2/26

All: 0.000+/-0.000 χ^2/NDF: 8103305.1/55

- sign 0.000+/-0.000 χ^2/NDF: 4314575.8/28

asym_sam_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.033+/-0.028 χ^2/NDF:8.8/10

Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

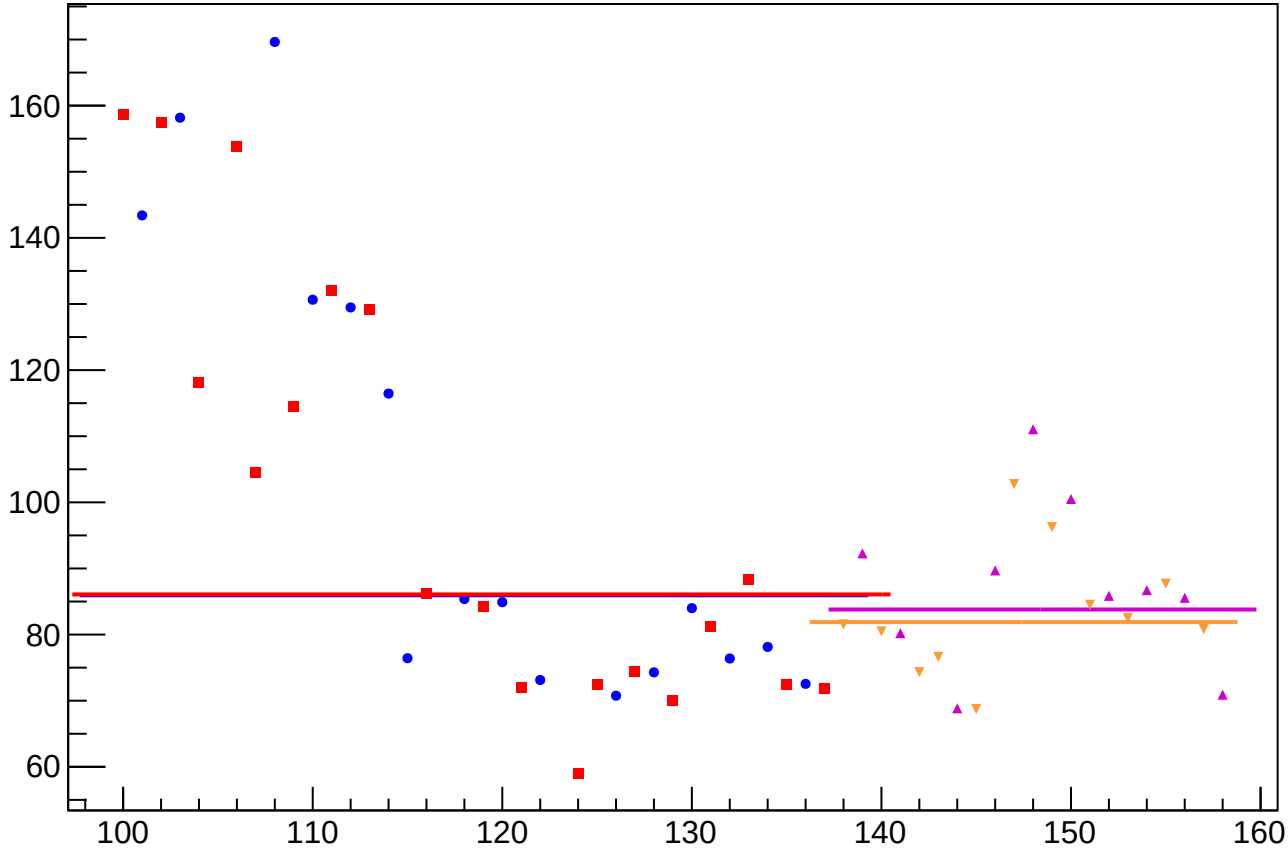
Left In: 0.041+/-0.029 χ^2/NDF:11.4/9

+ sign -0.008+/-0.021 χ^2/NDF: 28.0/26

All: 0.014+/-0.015 χ^2/NDF: 59.6/55

- sign 0.036+/-0.022 χ^2/NDF: 29.6/28

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 81.890+/-0.020 χ^2/NDF:190360.2/10

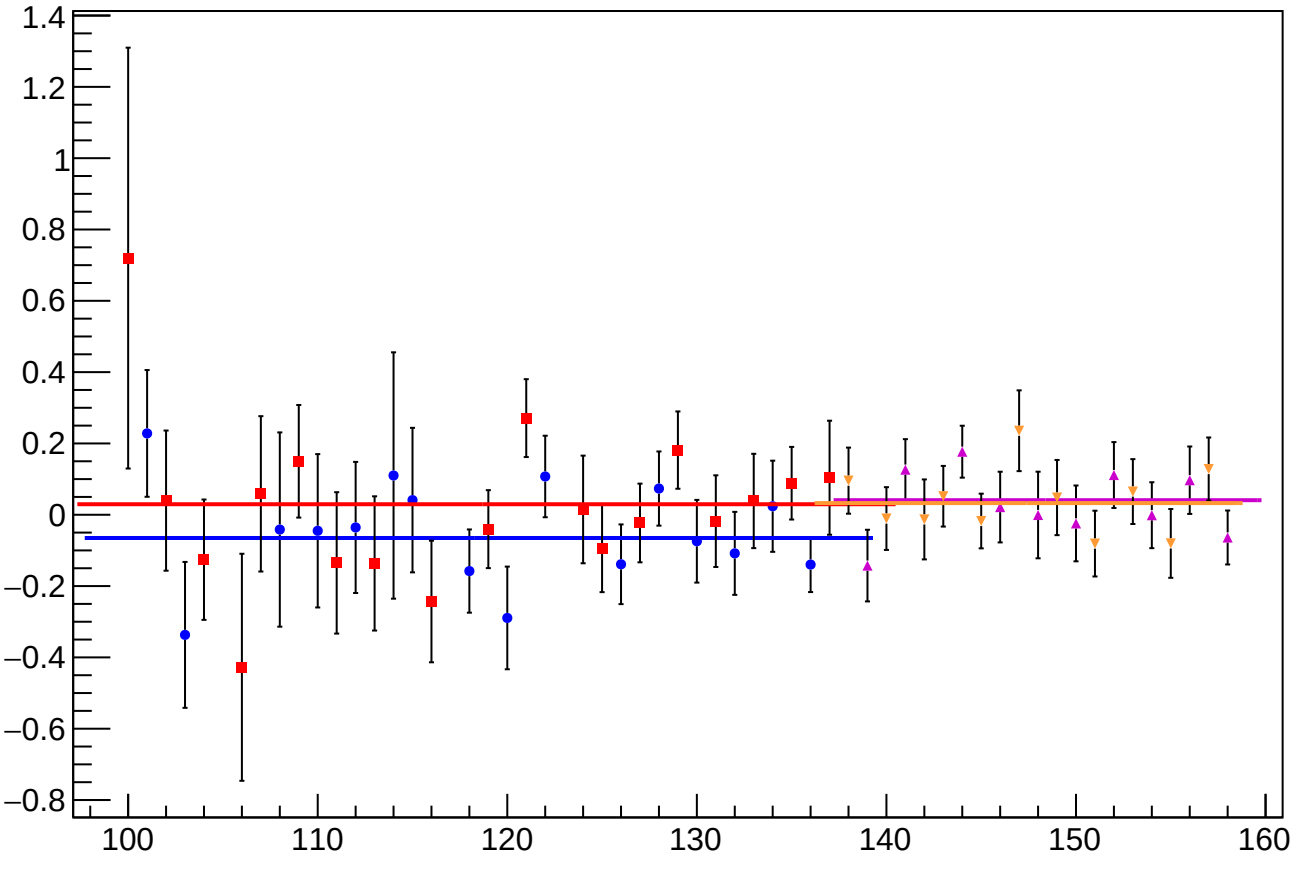
Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 83.794+/-0.020 χ^2/NDF:320920.7/9

+ sign 83.570+/-0.015 χ^2/NDF: 1242734.4/26

All: 84.168+/-0.011 χ^2/NDF: 2563598.2/55

- sign 84.782+/-0.015 χ^2/NDF: 1317706.4/28



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.033+/-0.028 χ^2/NDF:8.8/10

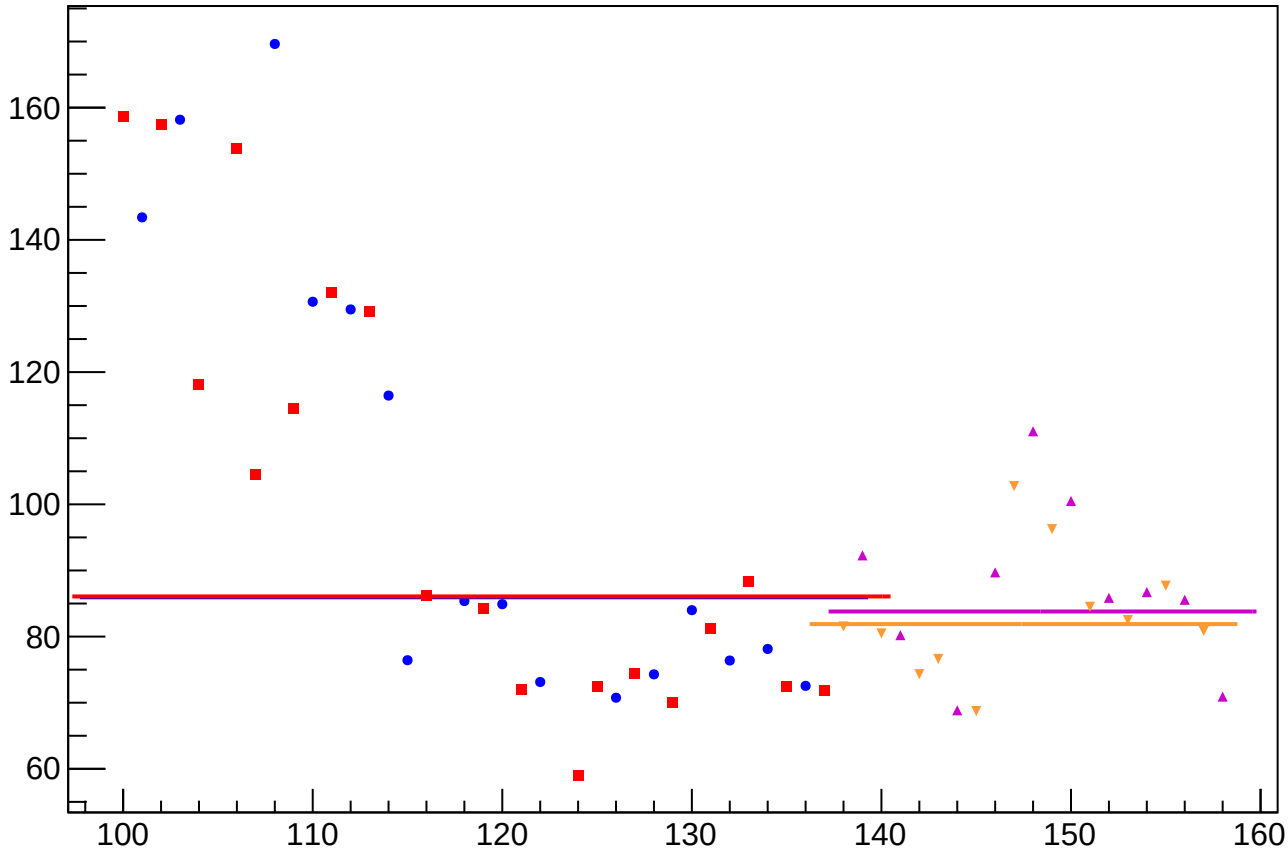
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.041+/-0.029 χ^2/NDF:11.4/9

+ sign -0.008+/-0.021 χ^2/NDF: 28.0/26

All: 0.014+/-0.015 χ^2/NDF: 59.6/55

- sign 0.036+/-0.022 χ^2/NDF: 29.6/28



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 81.890+/-0.020 χ^2/NDF:190360.2/10

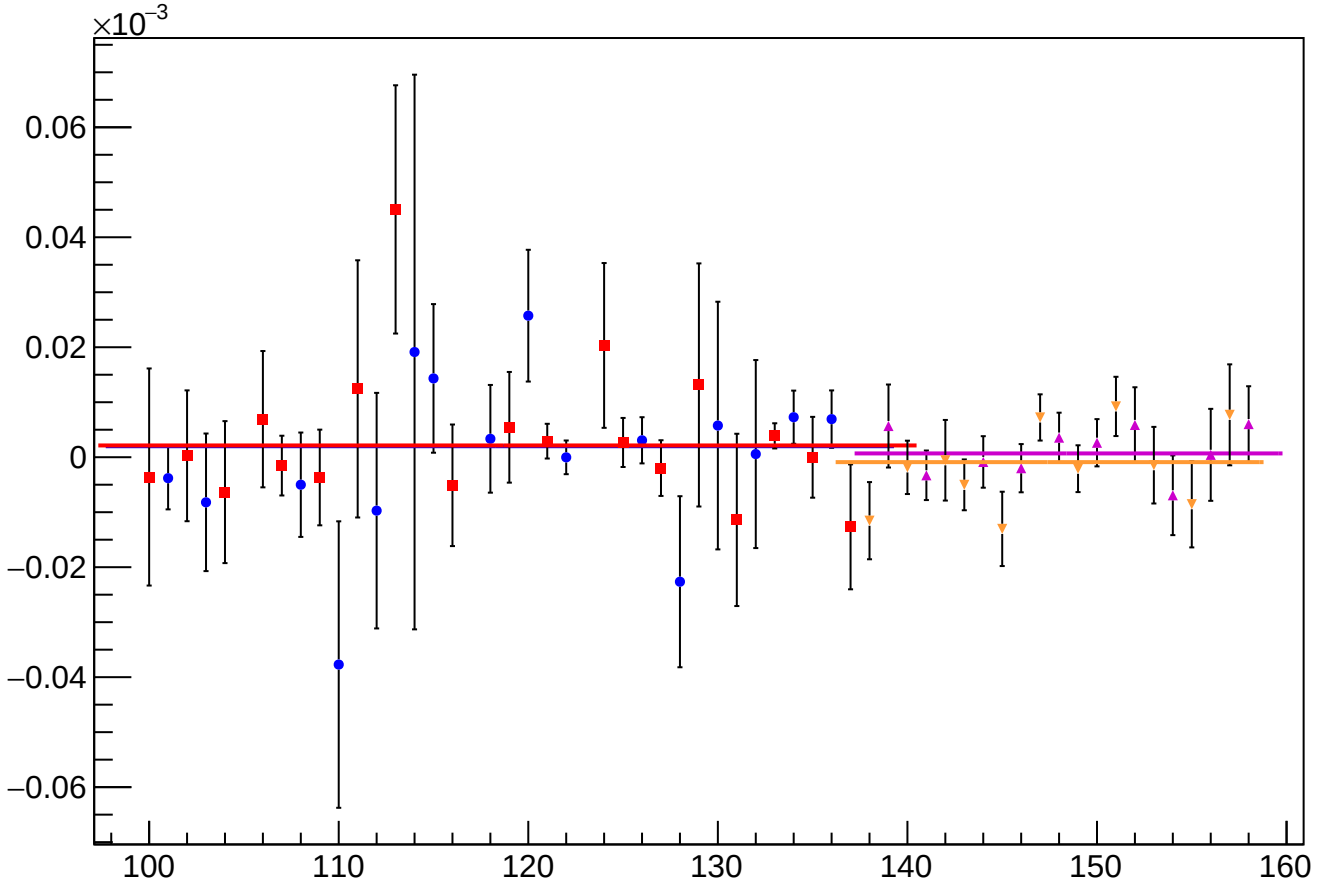
Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 83.794+/-0.020 χ^2/NDF:320920.7/9

\+ sign 83.570+/-0.015 χ^2/NDF: 1242734.4/26

All: 84.168+/-0.011 χ^2/NDF: 2563598.2/55

\- sign 84.782+/-0.015 χ^2/NDF: 1317706.4/28



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.6/10

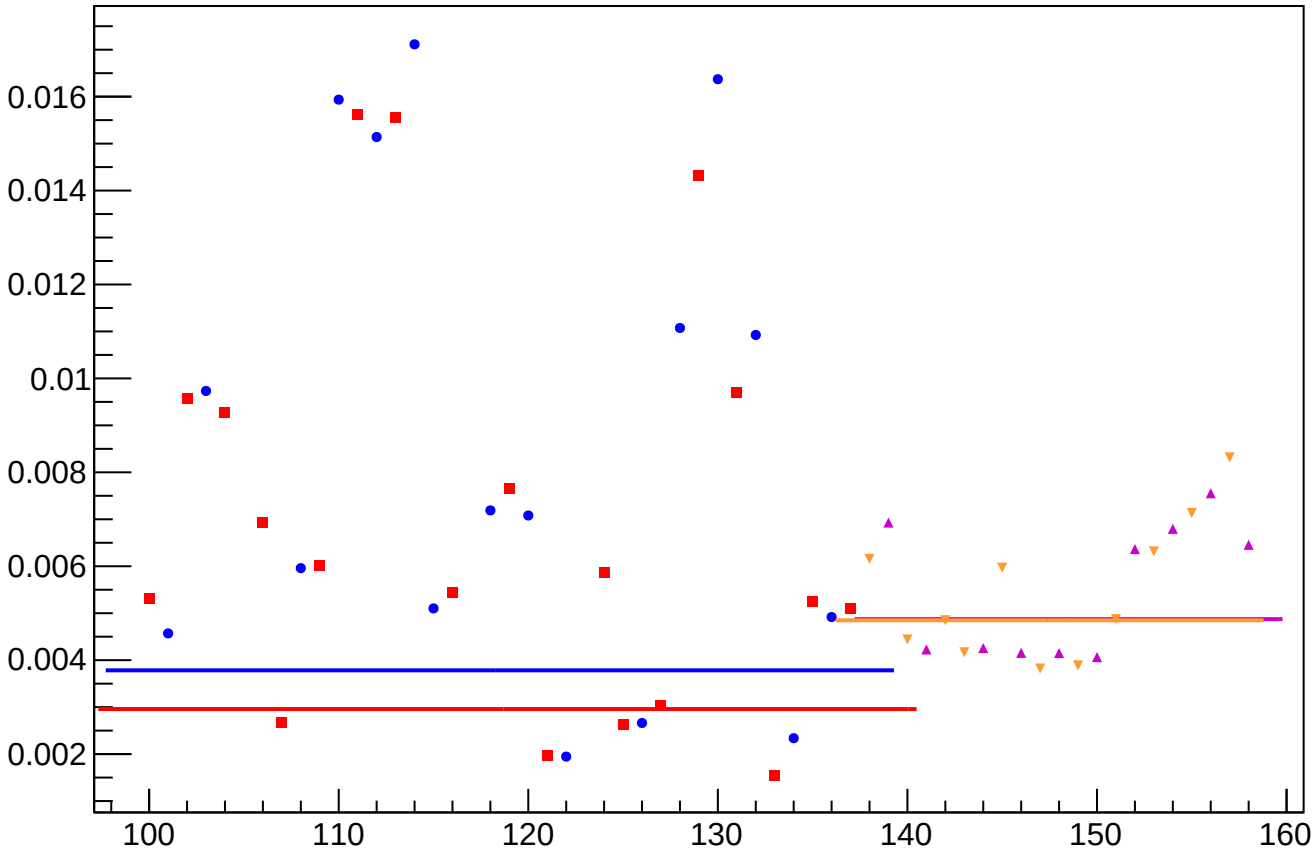
Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: 0.000+/-0.000 χ^2/NDF:4.6/9

+ sign 0.000+/-0.000 χ^2/NDF: 31.9/26

All: 0.000+/-0.000 χ^2/NDF: 48.8/55

- sign 0.000+/-0.000 χ^2/NDF: 16.5/28



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:946605.8/10

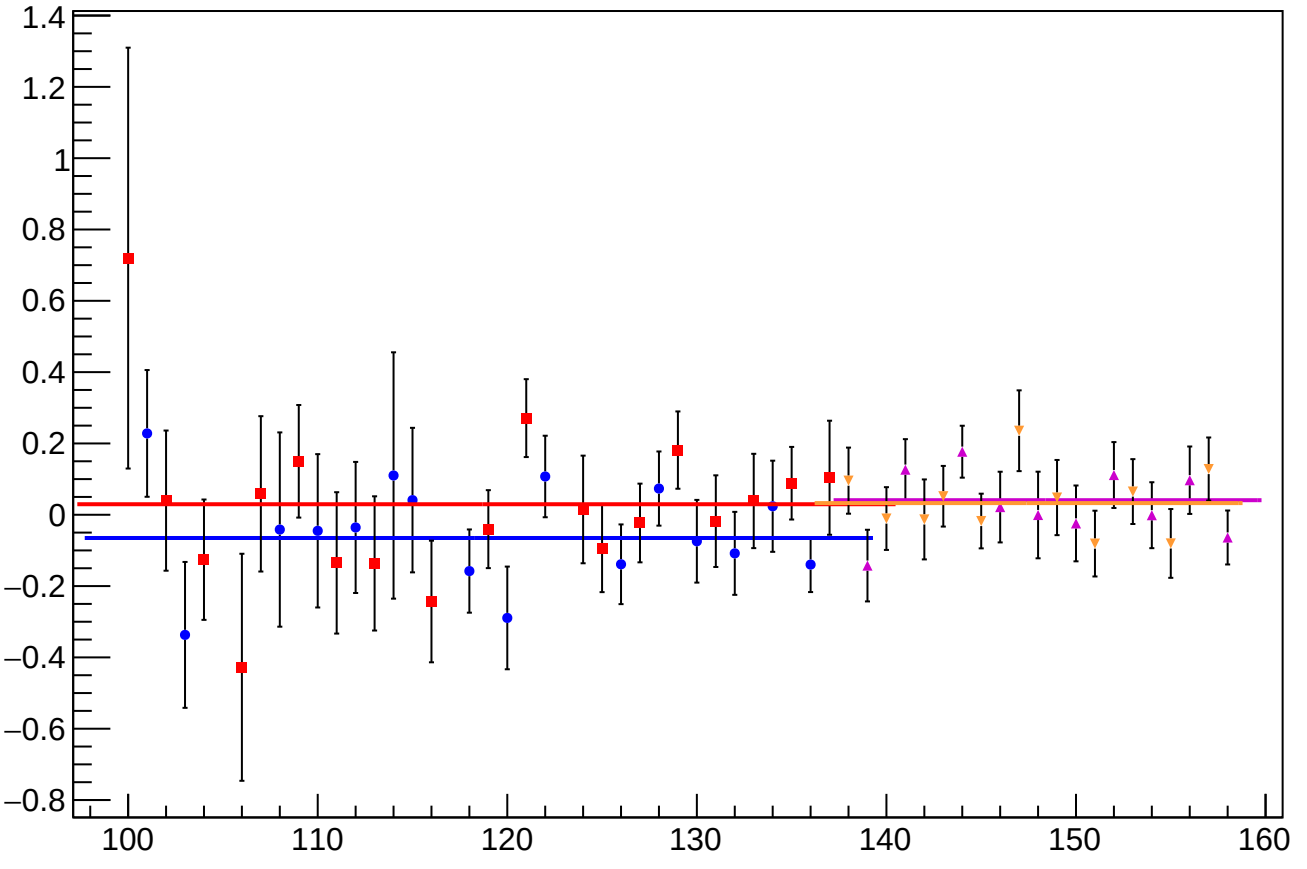
Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

Left In: 0.005+/-0.000 χ^2/NDF:946228.2/9

+ sign 0.004+/-0.000 χ^2/NDF: 6022478.1/26

All: 0.004+/-0.000 χ^2/NDF: 14289247.6/55

- sign 0.004+/-0.000 χ^2/NDF: 7996769.6/28



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.033+/-0.028 χ^2/NDF:8.8/10

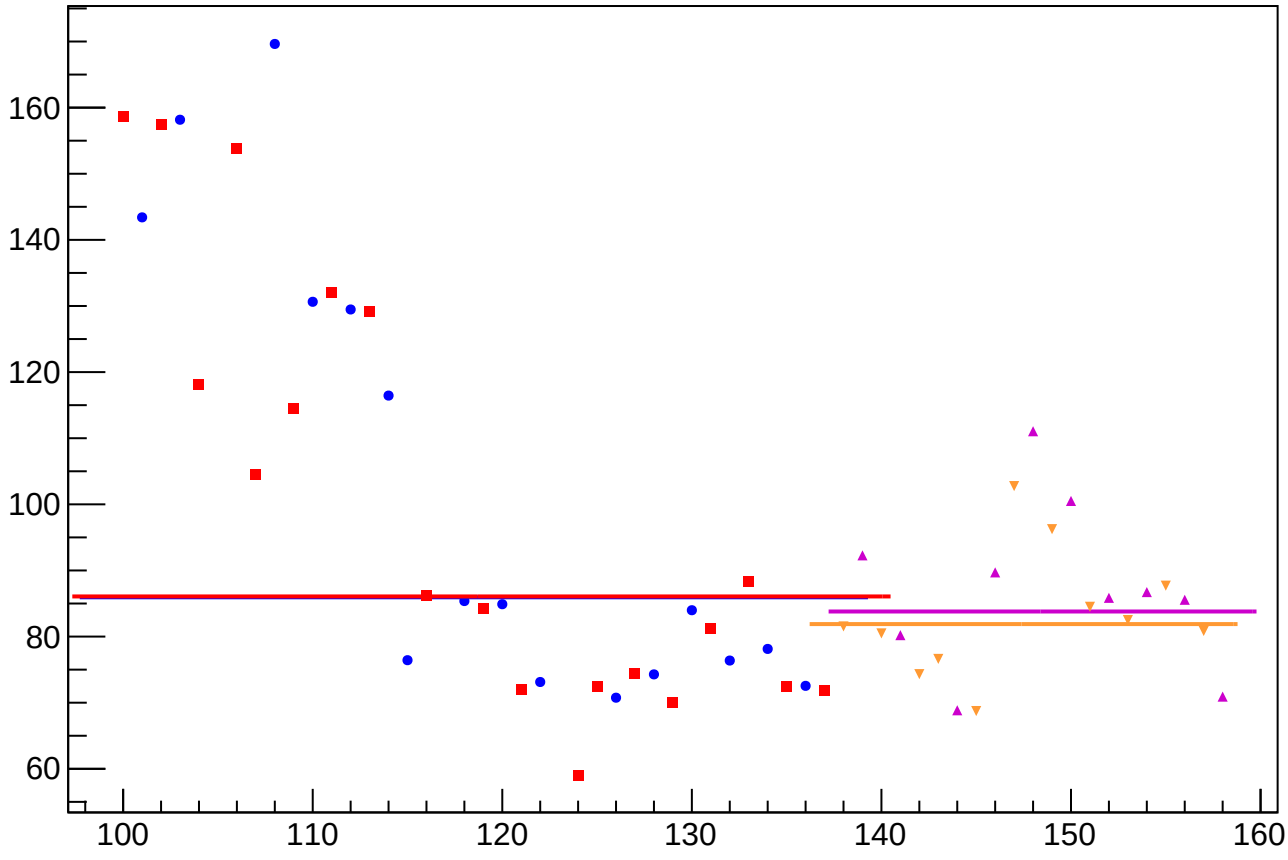
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.041+/-0.029 χ^2/NDF:11.4/9

+ sign -0.008+/-0.021 χ^2/NDF: 28.0/26

All: 0.014+/-0.015 χ^2/NDF: 59.6/55

- sign 0.036+/-0.022 χ^2/NDF: 29.6/28



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 81.890+/-0.020 χ^2/NDF:190386.3/10

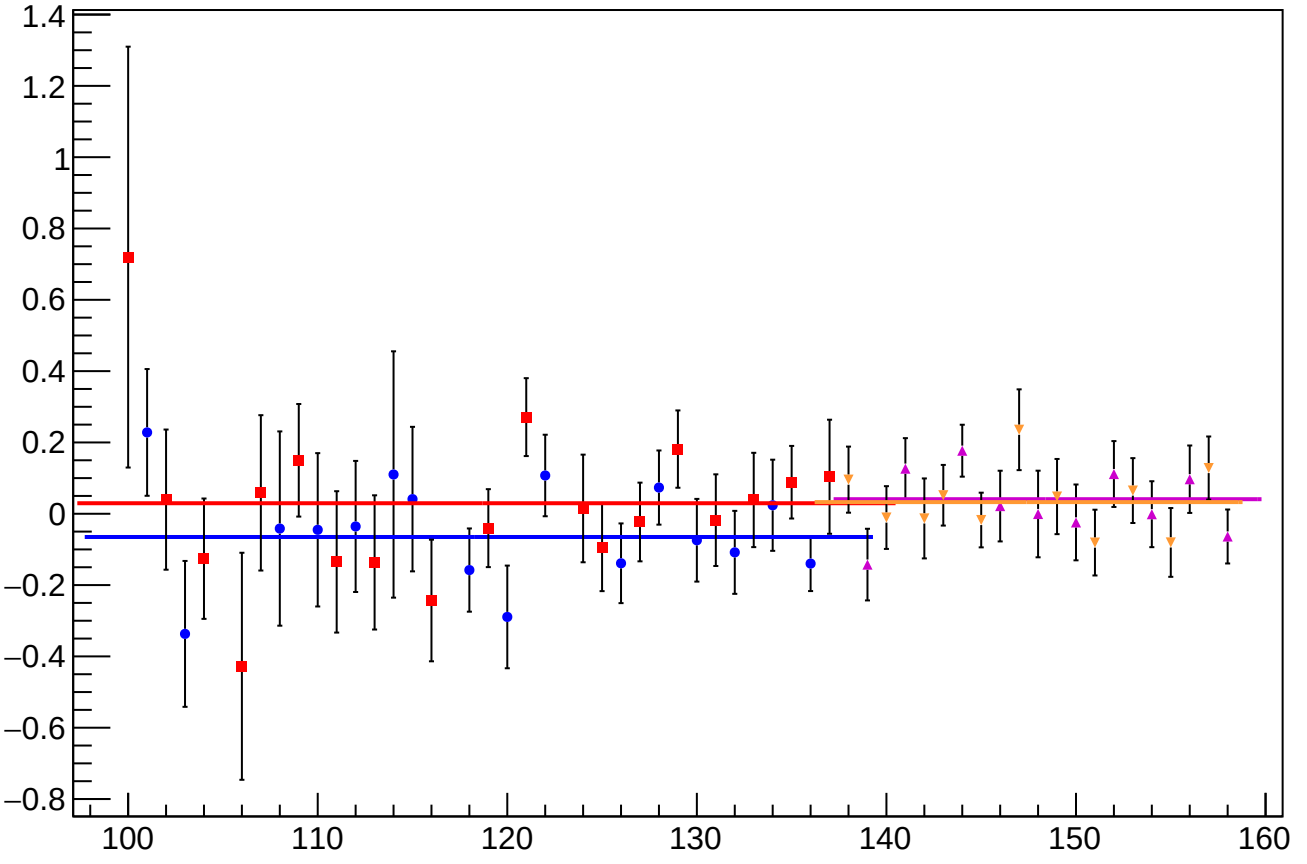
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 83.794+/-0.020 χ^2/NDF:320944.8/9

+ sign 83.569+/-0.015 χ^2/NDF: 1242724.0/26

All: 84.167+/-0.011 χ^2/NDF: 2563598.0/55

- sign 84.780+/-0.015 χ^2/NDF: 1317717.0/28



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.033+/-0.028 χ^2/NDF:8.8/10

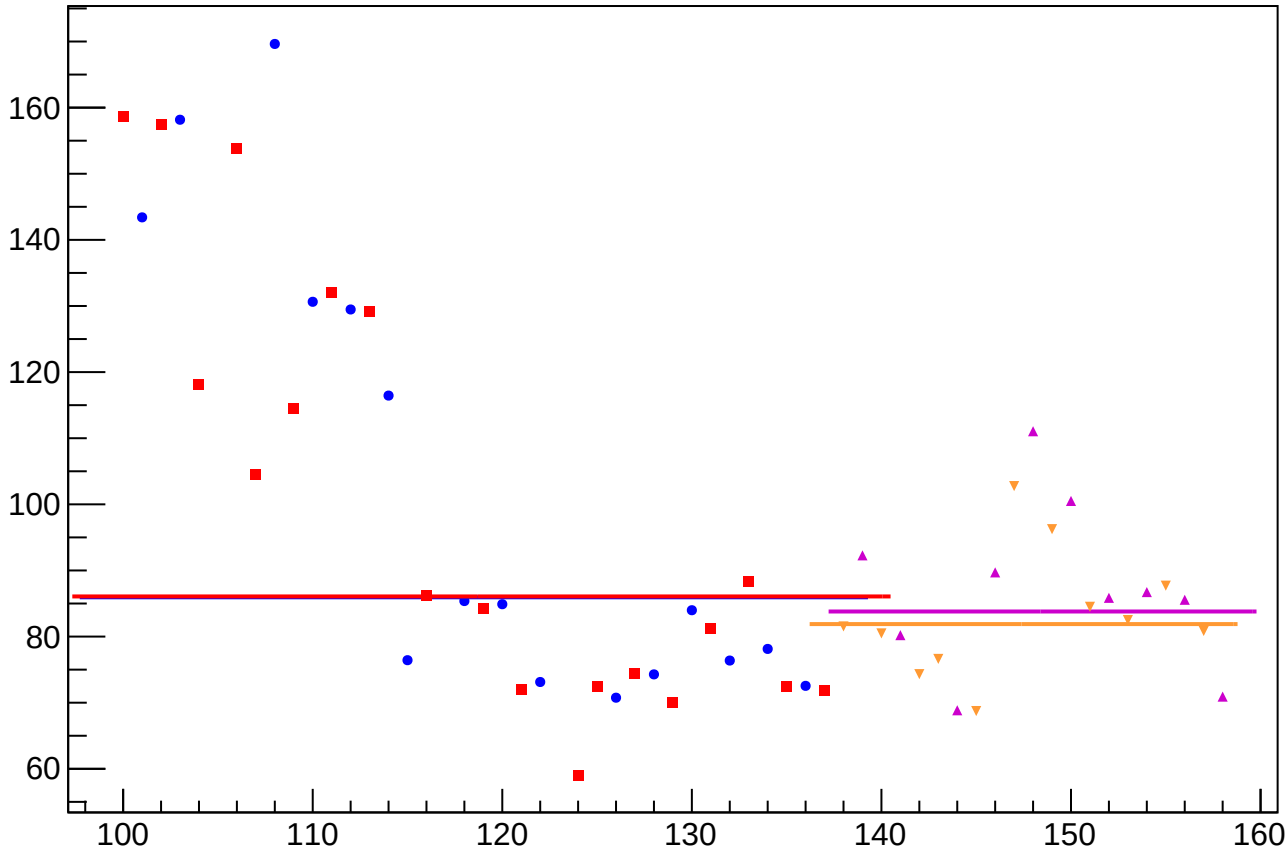
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.041+/-0.029 χ^2/NDF:11.4/9

+ sign -0.008+/-0.021 χ^2/NDF: 28.0/26

All: 0.014+/-0.015 χ^2/NDF: 59.6/55

- sign 0.036+/-0.022 χ^2/NDF: 29.6/28



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 81.890+/-0.020 χ^2/NDF:190386.3/10

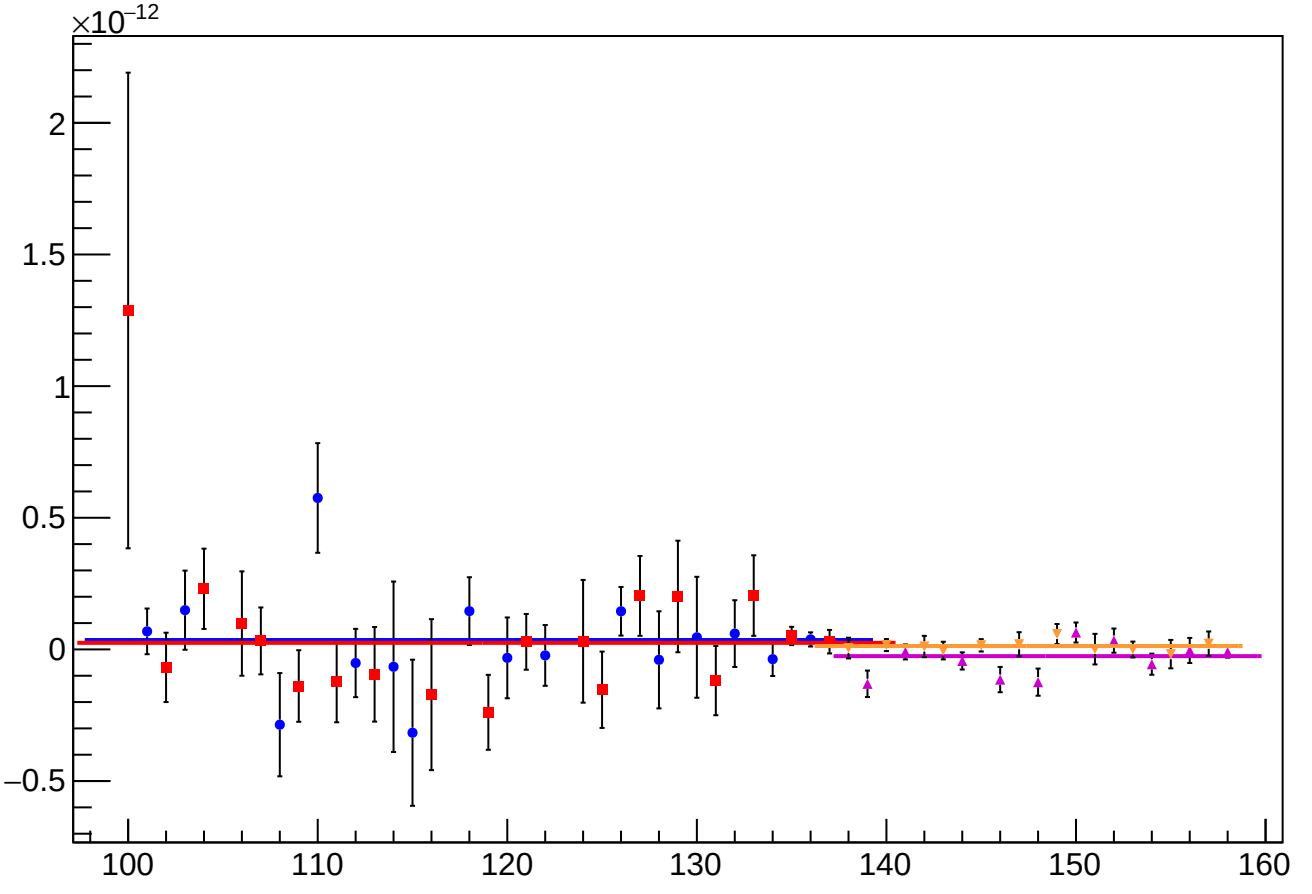
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 83.794+/-0.020 χ^2/NDF:320944.8/9

+ sign 83.569+/-0.015 χ^2/NDF: 1242724.0/26

All: 84.167+/-0.011 χ^2/NDF: 2563598.0/55

- sign 84.780+/-0.015 χ^2/NDF: 1317717.0/28



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.4/10

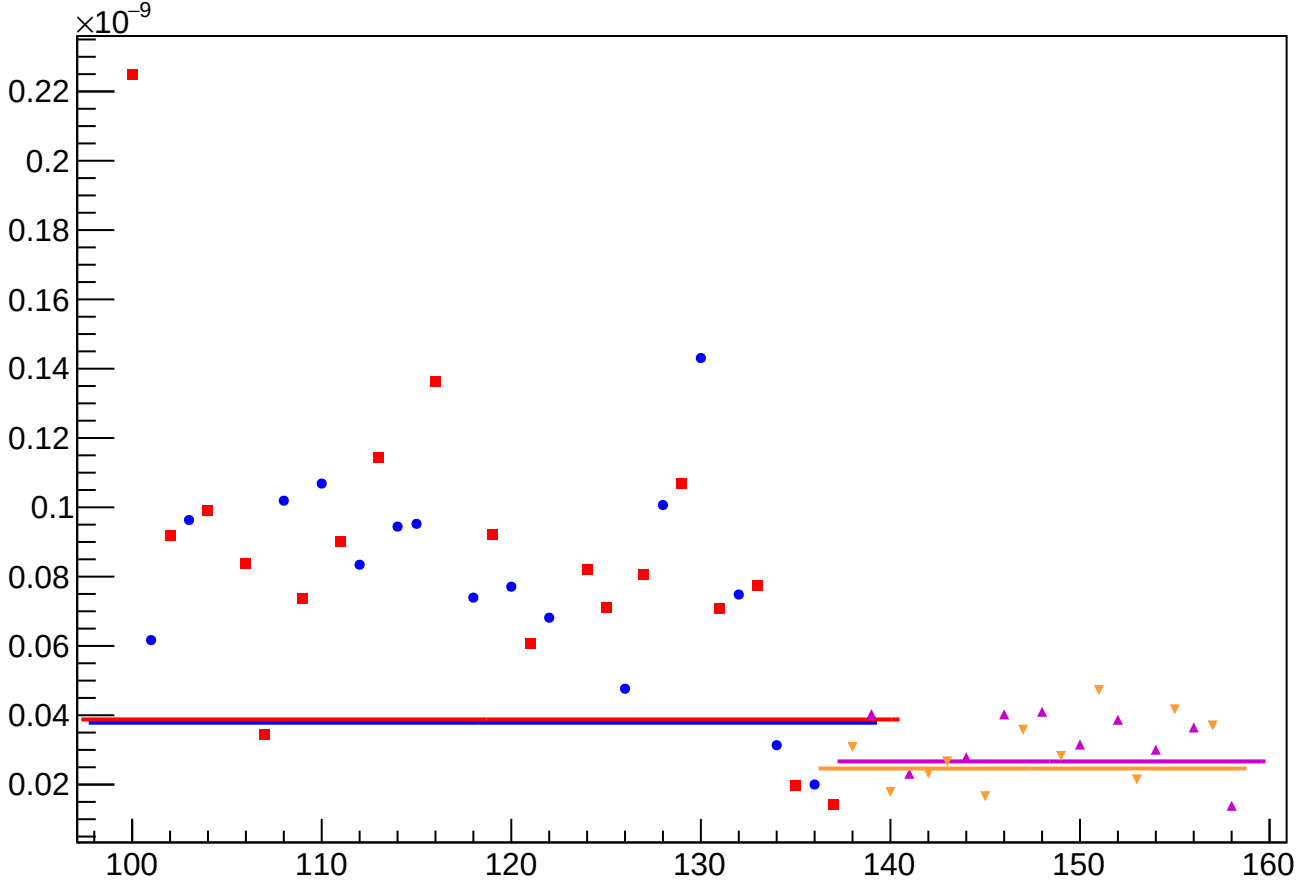
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: -0.000+/-0.000 χ^2/NDF:20.7/9

+ sign 0.000+/-0.000 χ^2/NDF: 19.7/26

All: 0.000+/-0.000 χ^2/NDF: 68.1/55

- sign -0.000+/-0.000 χ^2/NDF: 42.7/28



Right In: 0.000+/-0.000 χ^2/NDF: 3456922.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1271219.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 4121603.1/18

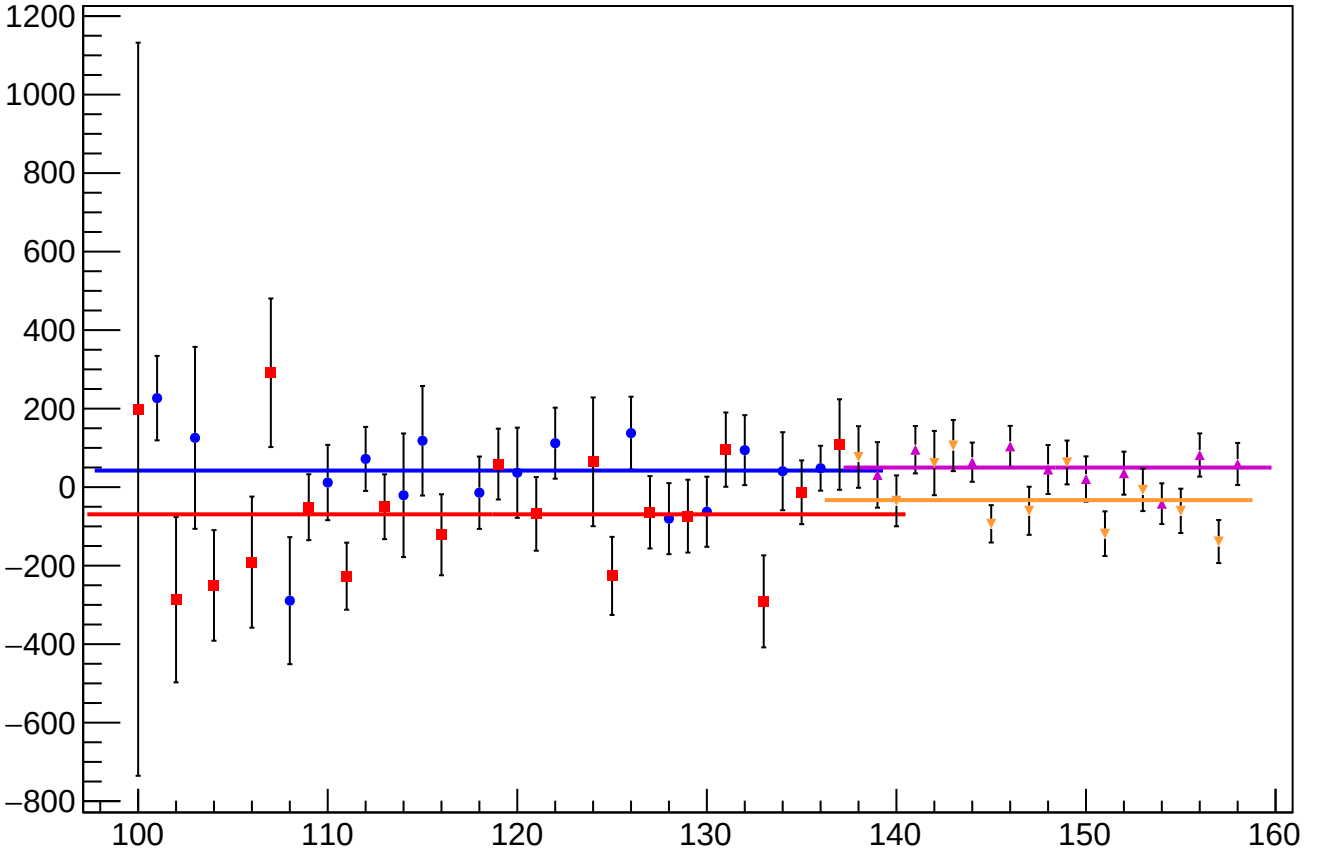
Left In: 0.000+/-0.000 χ^2/NDF:1507947.9/9

+ sign 0.000+/-0.000 χ^2/NDF: 5382631.5/26

All: 0.000+/-0.000 χ^2/NDF: 11522225.2/55

- sign 0.000+/-0.000 χ^2/NDF: 6102906.6/28

reg_asym_sam_37_dd_mean vs Slug



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: -33.105+/-17.931 χ^2/NDF:19.0/10

Right Out: -69.249+/-24.418 χ^2/NDF: 25.4/18

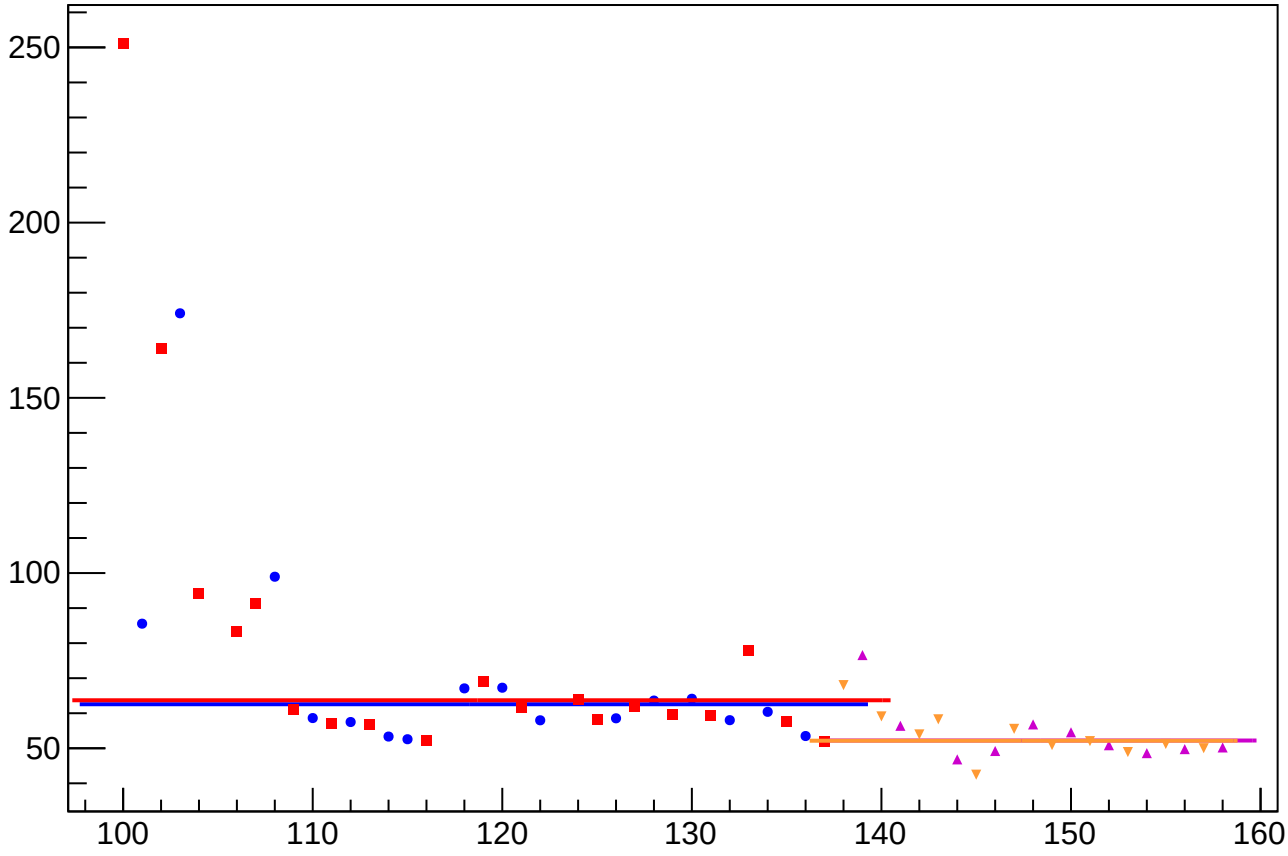
Left In: 49.843+/-17.883 χ^2/NDF:5.6/9

\+ sign -6.419+/-14.408 χ^2/NDF: 38.8/26

All: 0.915+/-10.195 χ^2/NDF: 85.8/55

\- sign 8.268+/-14.427 χ^2/NDF: 46.5/28

reg_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 52.156+/-0.013 χ^2/NDF:223936.0/10

Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

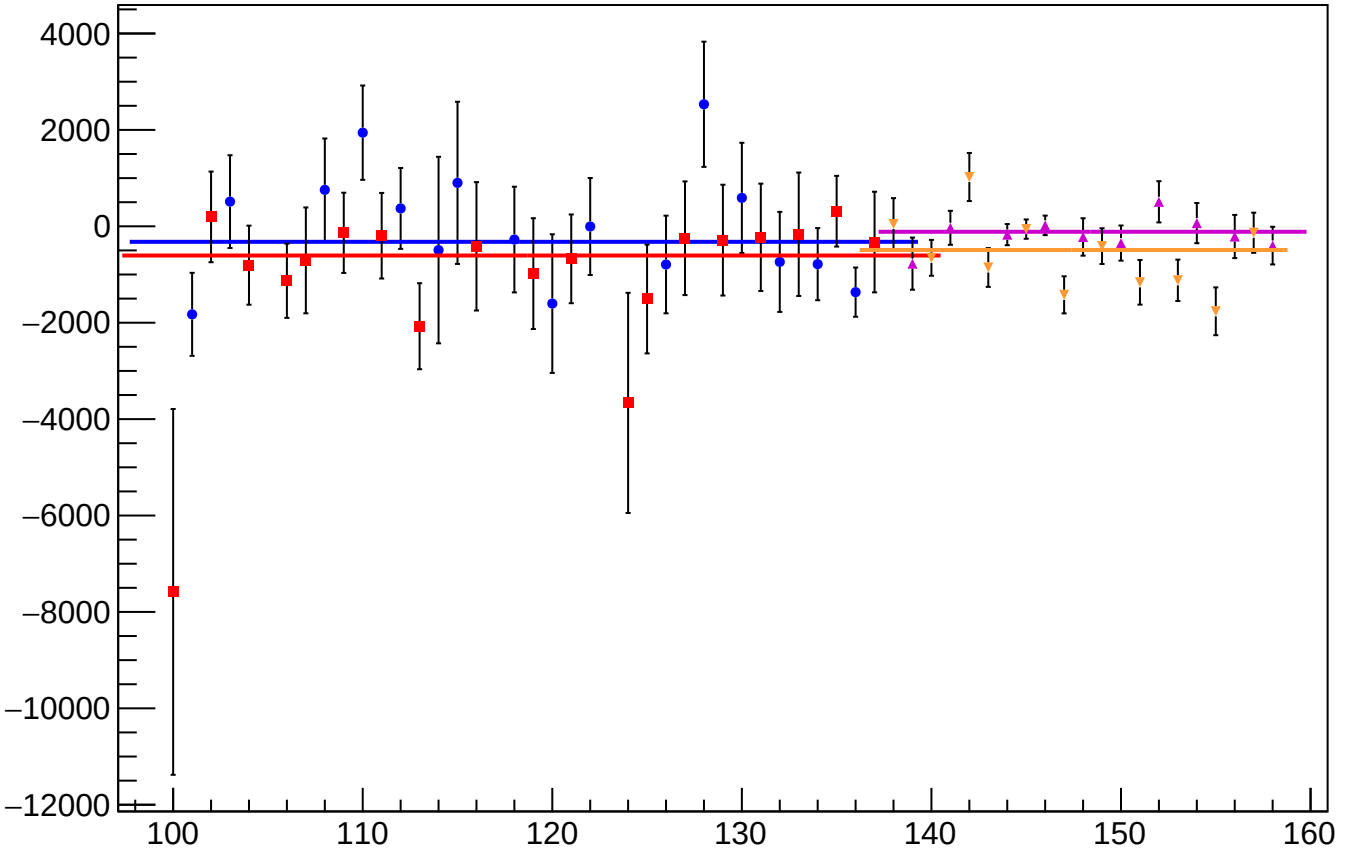
Left In: 52.213+/-0.013 χ^2/NDF:241688.9/9

+ sign 55.844+/-0.010 χ^2/NDF: 1221349.4/26

All: 56.033+/-0.007 χ^2/NDF: 2585976.7/55

- sign 56.223+/-0.010 χ^2/NDF: 1363937.3/28

asym_sam_37_dd_reg_correction_mean vs Slug



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -491.416+/-111.985 χ^2/NDF:33.3/10

Right Out: -605.859+/-233.643 χ^2/NDF: 12.5/18

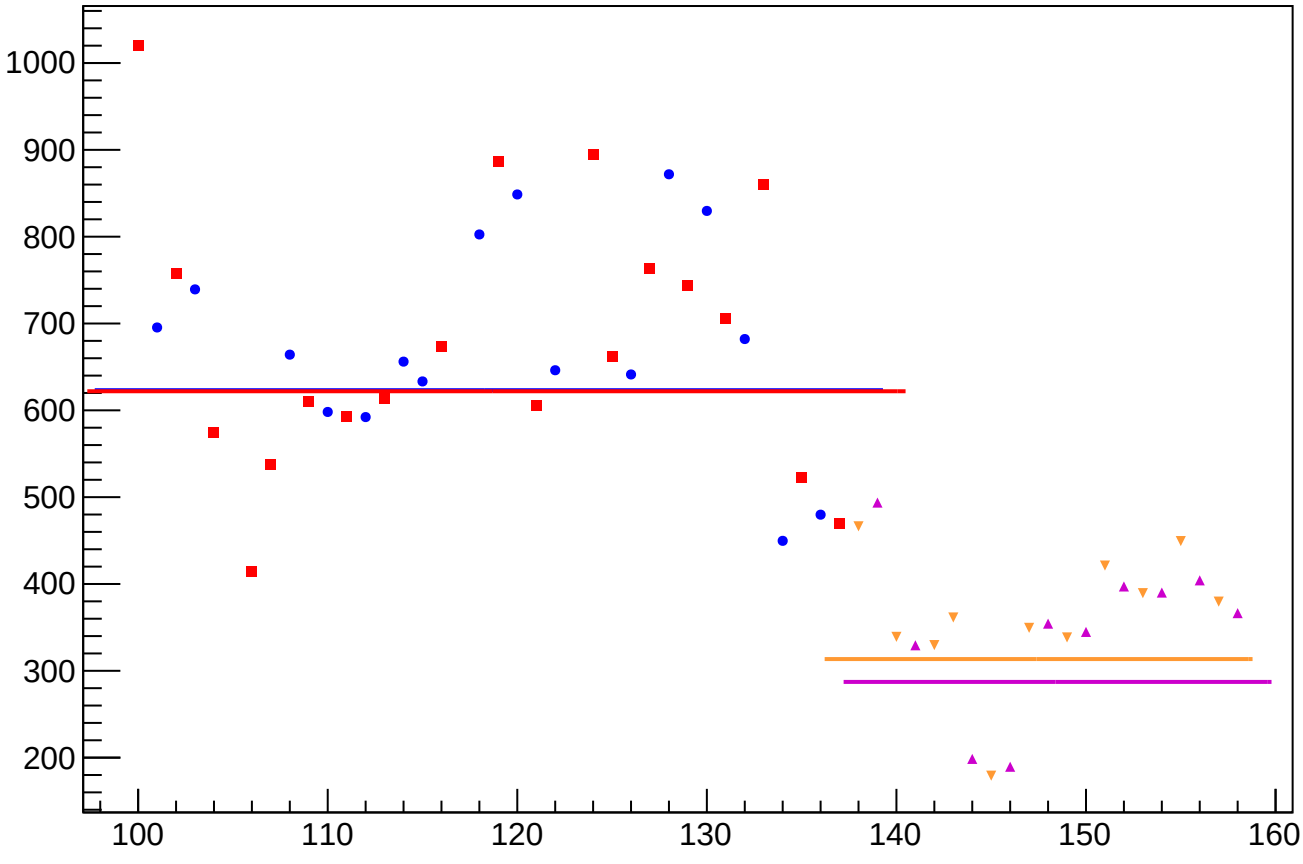
Left In: -113.406+/-103.435 χ^2/NDF:5.4/9

+ sign -460.748+/-101.366 χ^2/NDF: 56.5/26

All: -318.204+/-69.153 χ^2/NDF: 81.8/55

- sign -194.104+/-94.581 χ^2/NDF: 21.6/28

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 313.529+/-0.079 χ^2/NDF:1498488.7/10

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

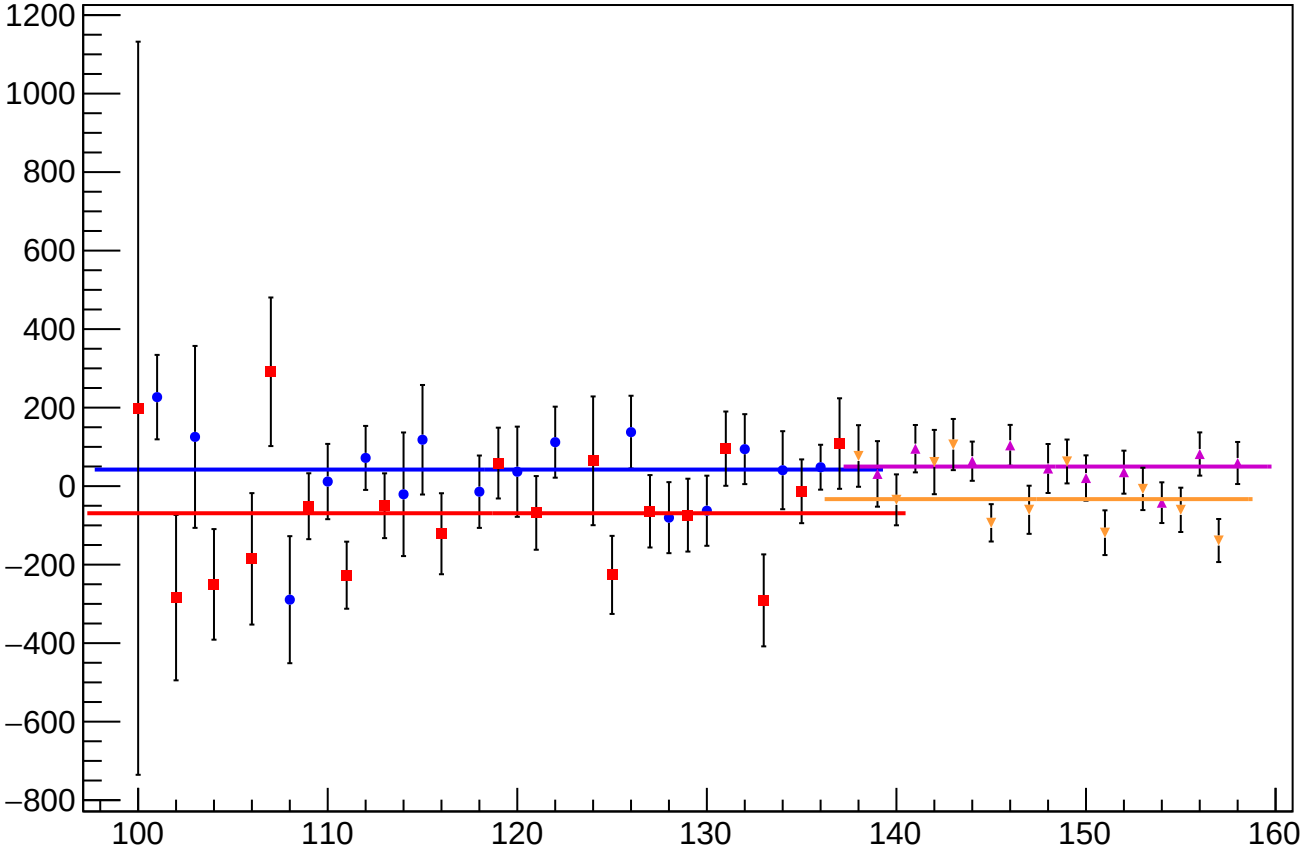
Left In: 287.218+/-0.073 χ^2/NDF:1693529.3/9

+ sign 369.472+/-0.072 χ^2/NDF: 4826675.4/26

All: 354.826+/-0.049 χ^2/NDF: 10613773.6/55

- sign 342.074+/-0.067 χ^2/NDF: 5708992.2/28

cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -33.103+/-17.931 χ^2/NDF:19.0/10

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

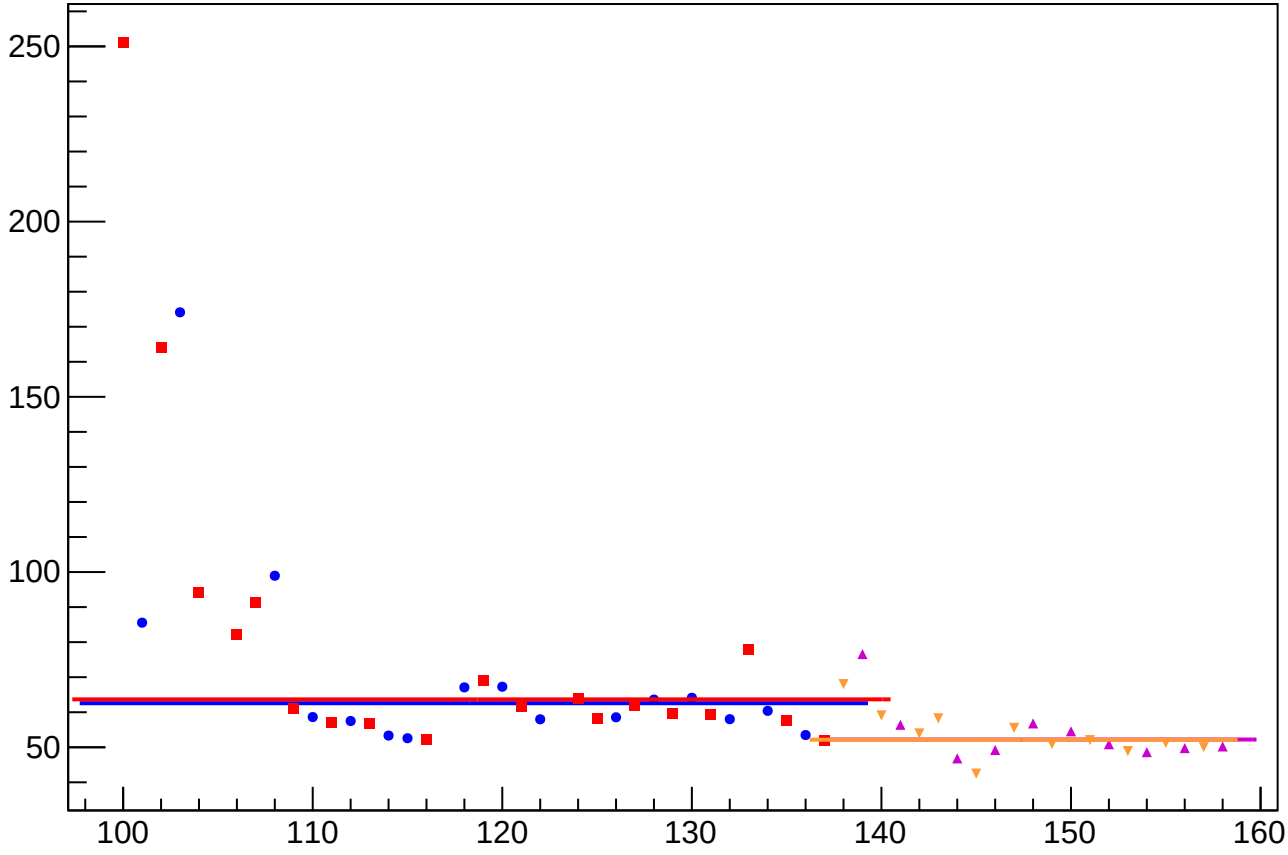
Left In: 49.841+/-17.883 χ^2/NDF:5.6/9

+ sign -6.420+/-14.408 χ^2/NDF: 38.8/26

All: 0.947+/-10.195 χ^2/NDF: 85.7/55

- sign 8.333+/-14.428 χ^2/NDF: 46.3/28

cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 52.156+/-0.013 χ^2/NDF:223936.0/10

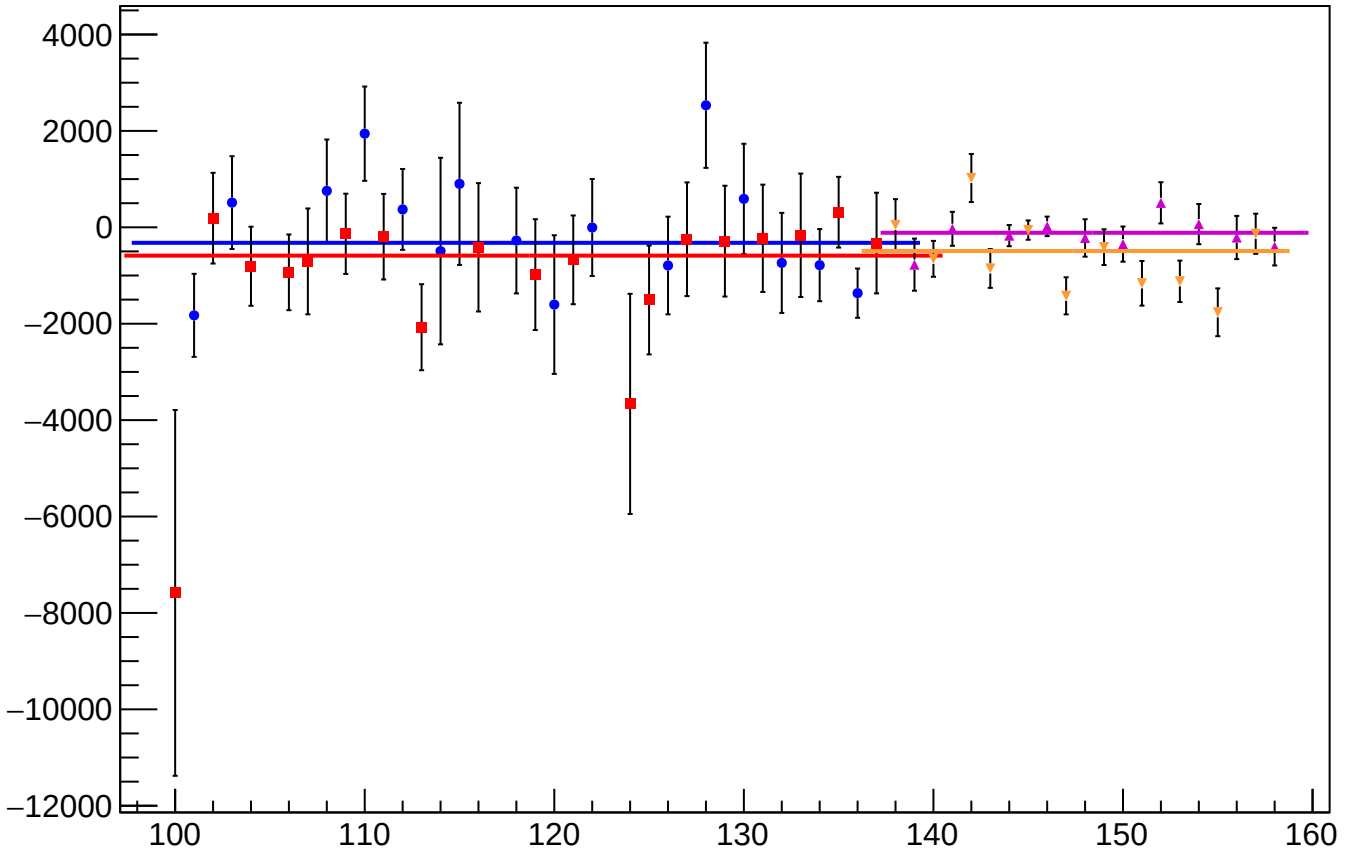
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 52.213+/-0.013 χ^2/NDF:241688.9/9

+ sign 55.844+/-0.010 χ^2/NDF: 1221351.4/26

All: 56.029+/-0.007 χ^2/NDF: 2581967.3/55

- sign 56.214+/-0.010 χ^2/NDF: 1359957.5/28



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -491.413+/-111.985 χ^2/NDF:33.3/10

Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

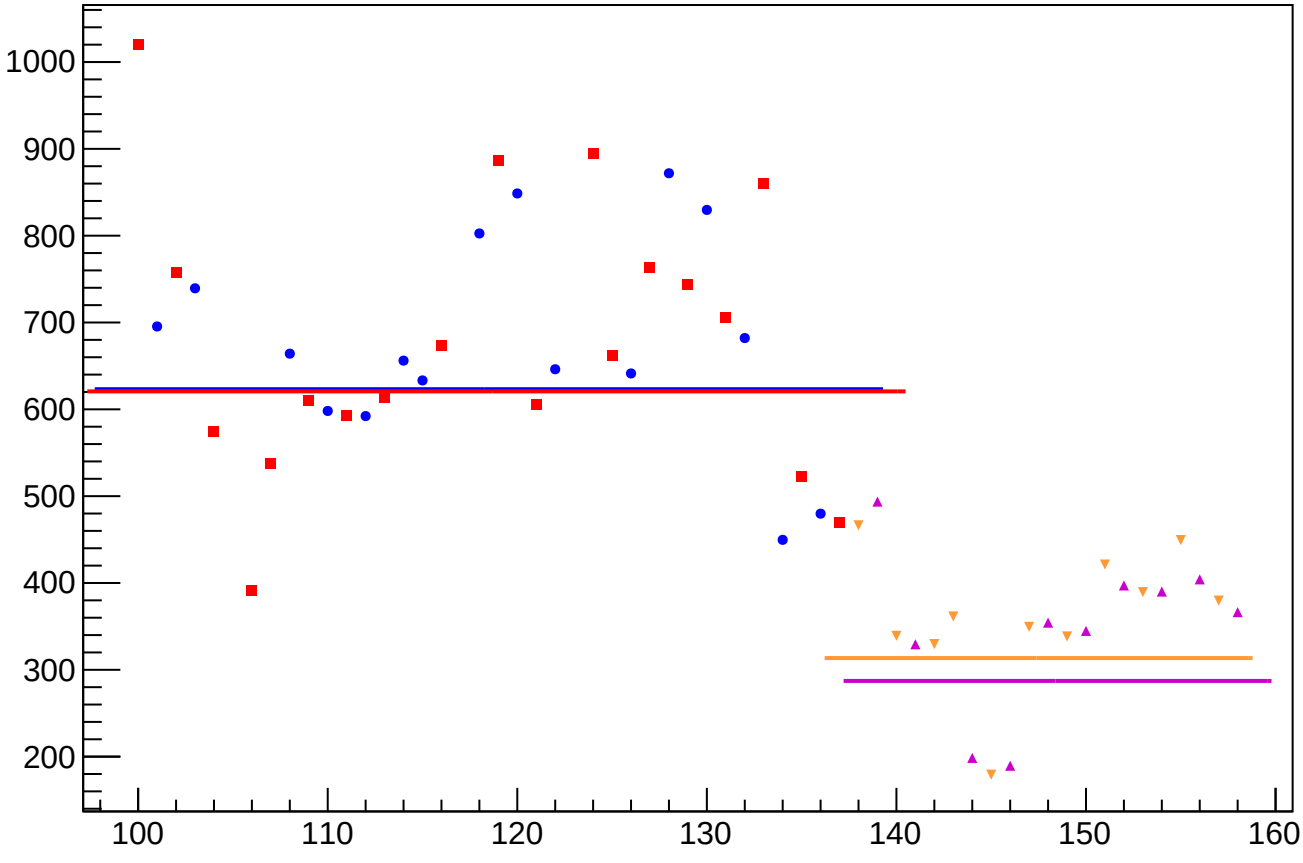
Left In: -113.409+/-103.435 χ^2/NDF:5.4/9

+ sign -460.745+/-101.366 χ^2/NDF: 56.5/26

All: -316.484+/-69.164 χ^2/NDF: 81.3/55

- sign -190.811+/-94.610 χ^2/NDF: 21.0/28

asym_sam_37_dd_cor_correction_rms vs Slug



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 313.529+/-0.079 χ^2/NDF:1498494.9/10

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

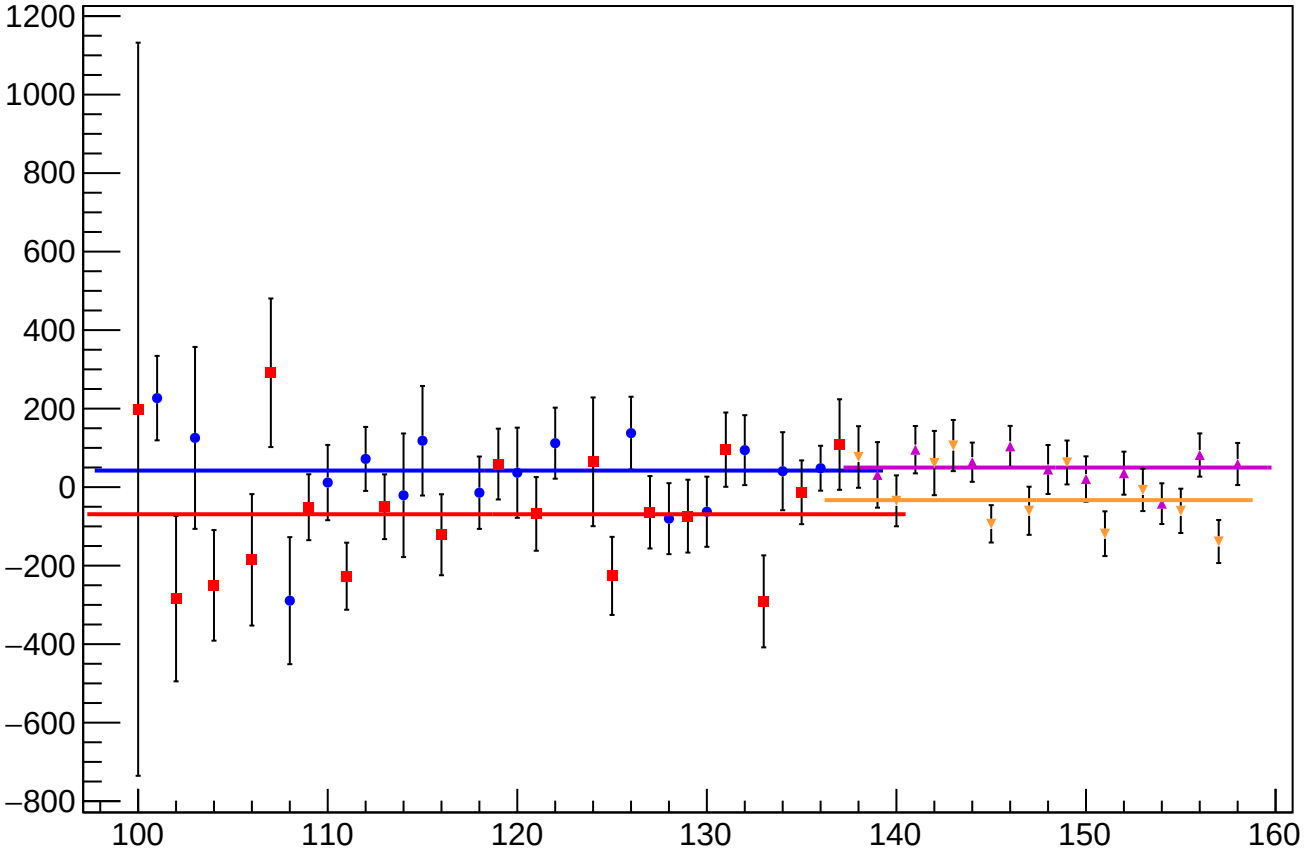
Left In: 287.217+/-0.073 χ^2/NDF:1693535.3/9

+ sign 369.471+/-0.072 χ^2/NDF: 4826745.1/26

All: 354.624+/-0.049 χ^2/NDF: 10606692.8/55

- sign 341.690+/-0.067 χ^2/NDF: 5699661.8/28

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -33.103+/-17.931 χ^2/NDF:19.0/10

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

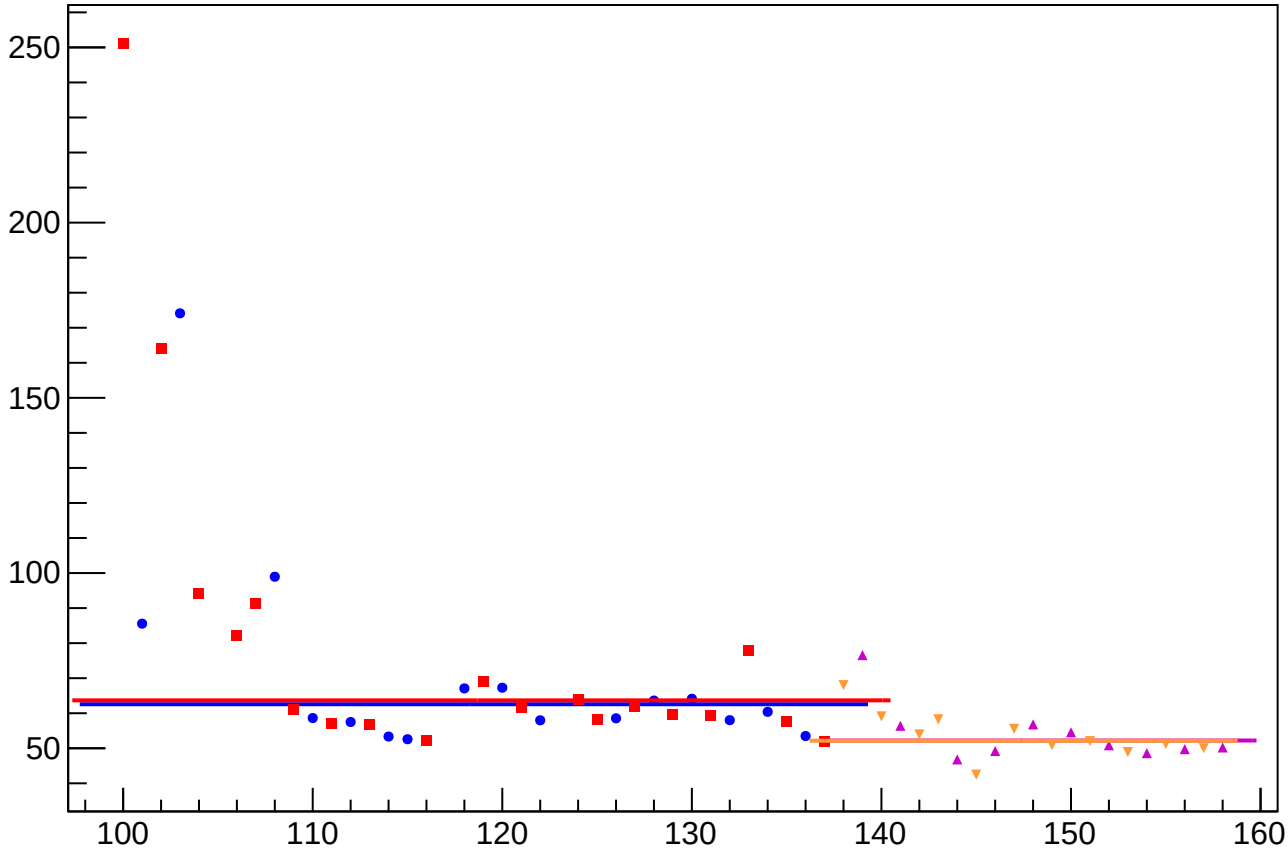
Left In: 49.841+/-17.883 χ^2/NDF:5.6/9

+ sign -6.420+/-14.408 χ^2/NDF: 38.8/26

All: 0.947+/-10.195 χ^2/NDF: 85.7/55

- sign 8.333+/-14.428 χ^2/NDF: 46.3/28

eigen_cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 52.156+/-0.013 χ^2/NDF:223936.0/10

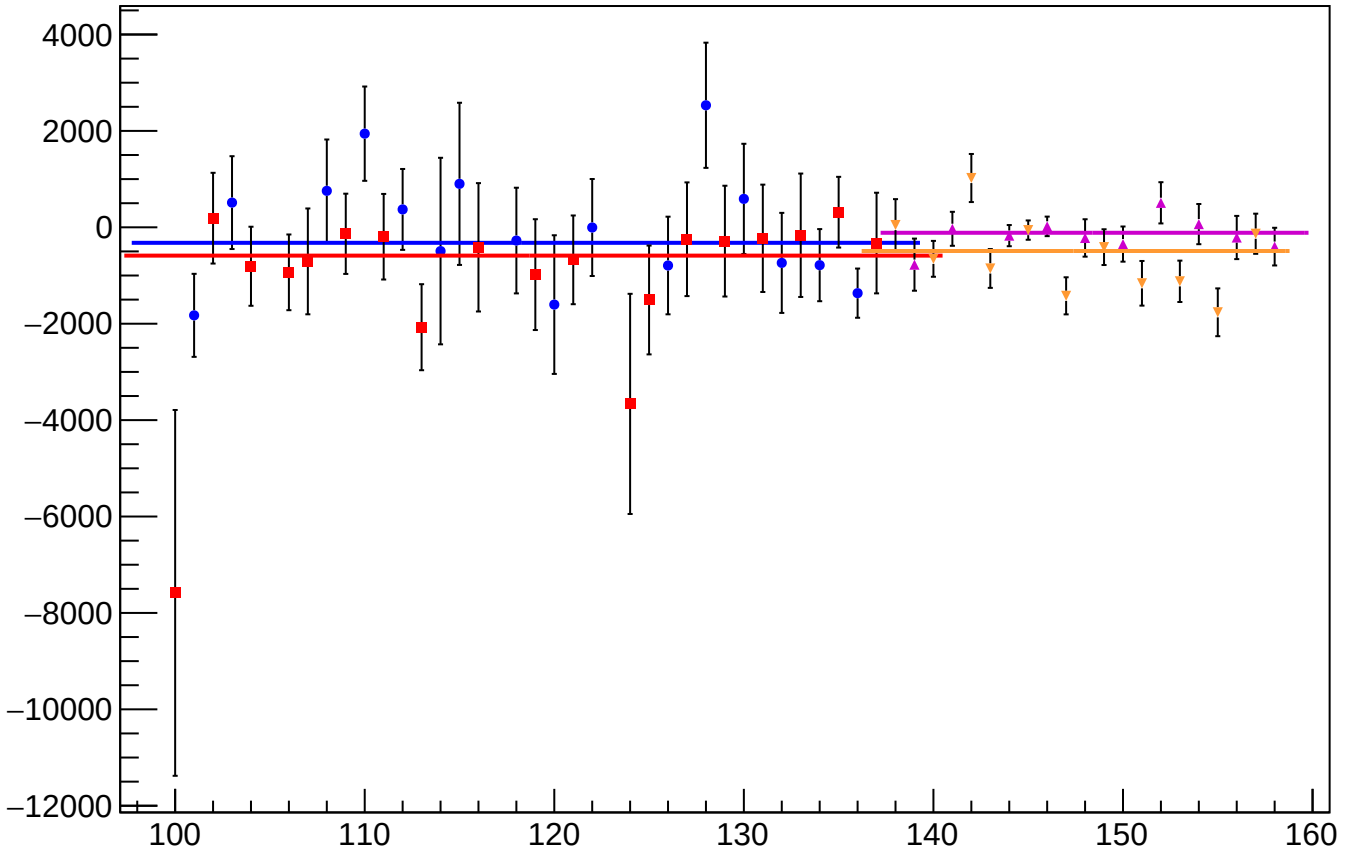
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 52.213+/-0.013 χ^2/NDF:241688.9/9

+ sign 55.844+/-0.010 χ^2/NDF: 1221351.4/26

All: 56.029+/-0.007 χ^2/NDF: 2581967.3/55

- sign 56.214+/-0.010 χ^2/NDF: 1359957.5/28



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -491.413+/-111.985 χ^2/NDF:33.3/10

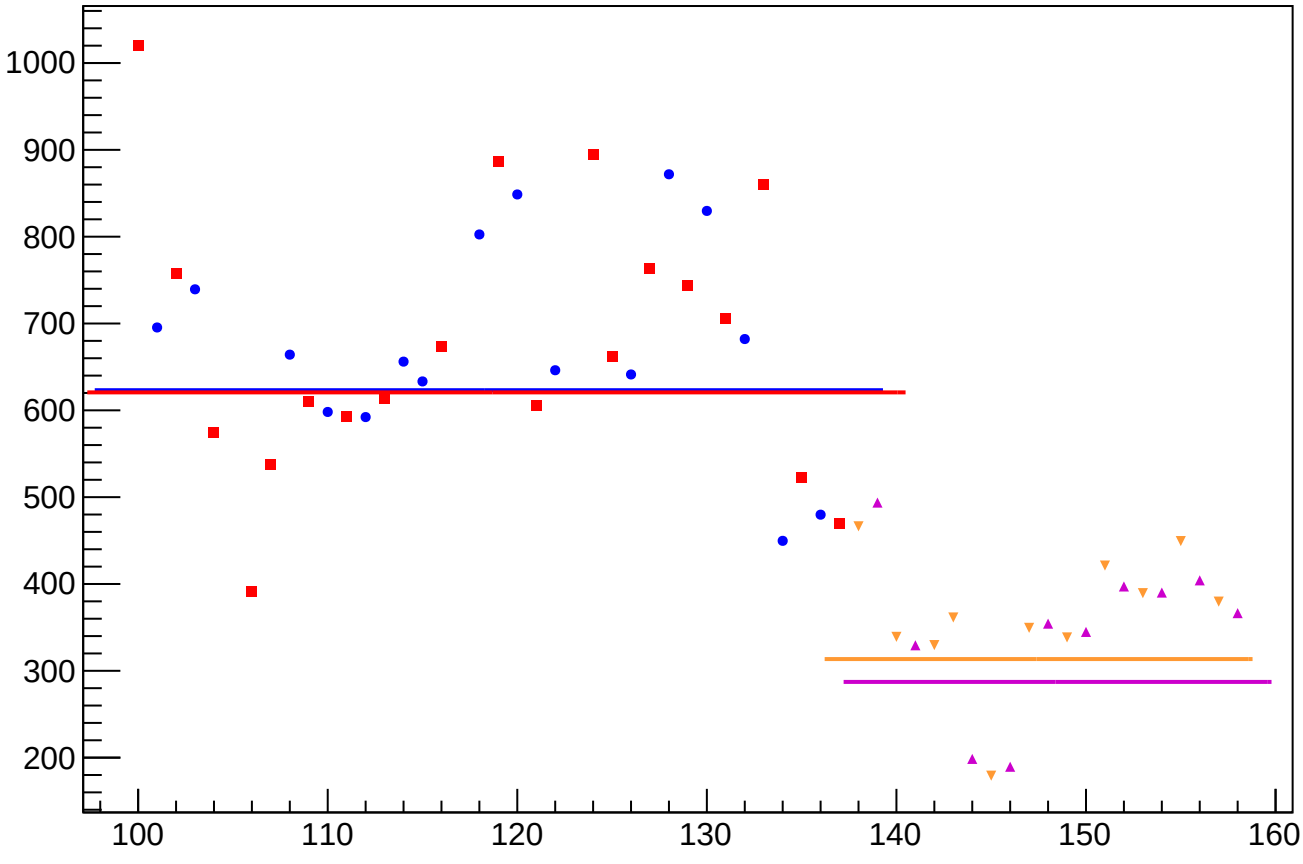
Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: -113.409+/-103.435 χ^2/NDF:5.4/9

+ sign -460.745+/-101.366 χ^2/NDF: 56.5/26

All: -316.484+/-69.164 χ^2/NDF: 81.3/55

- sign -190.811+/-94.610 χ^2/NDF: 21.0/28



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 313.529+/-0.079 χ^2/NDF:1498494.9/10

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

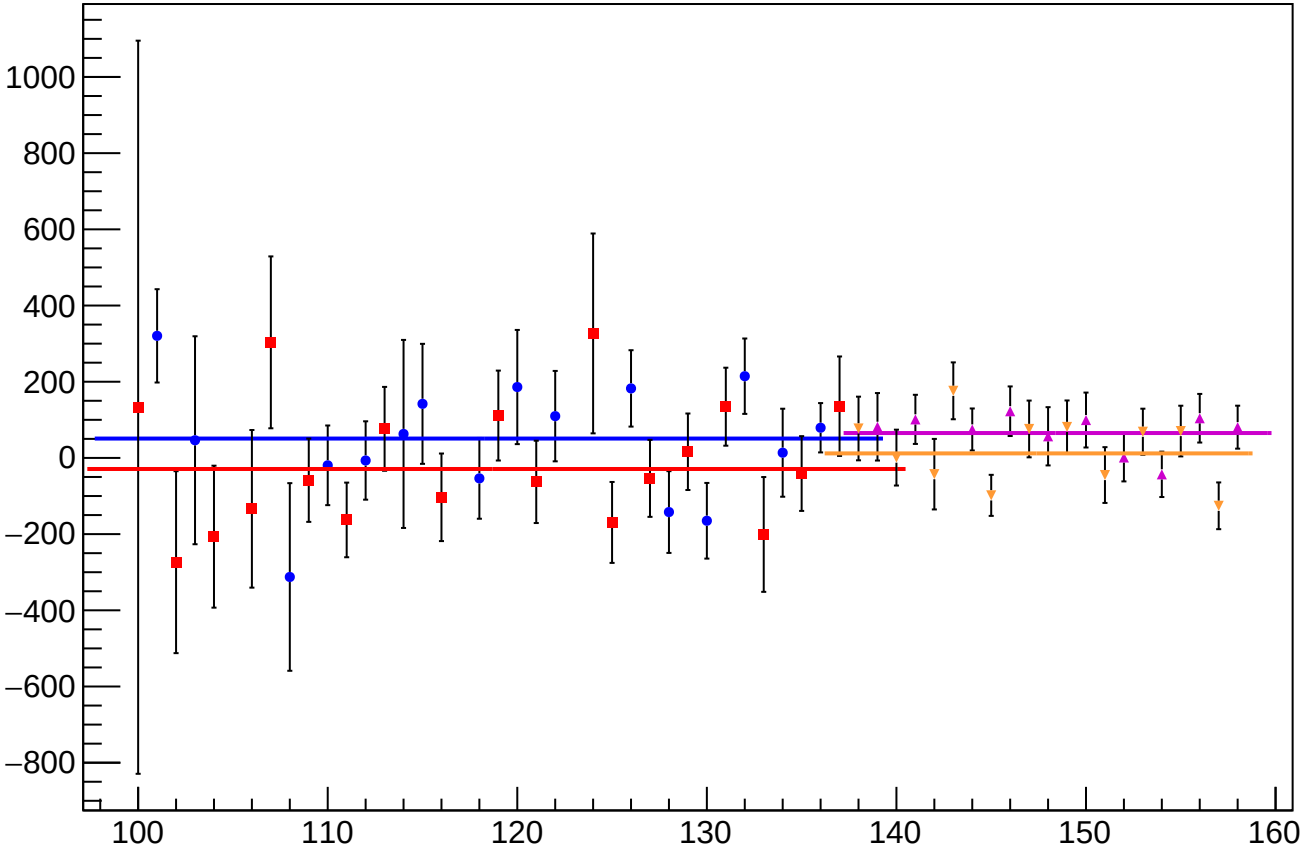
Left In: 287.217+/-0.073 χ^2/NDF:1693535.3/9

+ sign 369.471+/-0.072 χ^2/NDF: 4826745.1/26

All: 354.624+/-0.049 χ^2/NDF: 10606692.8/55

- sign 341.690+/-0.067 χ^2/NDF: 5699661.8/28

dit_asym_sam_37_dd_mean vs Slug



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: 11.895+/-20.814 χ^2/NDF:19.0/10

Right Out: -29.040+/-28.910 χ^2/NDF: 18.5/18

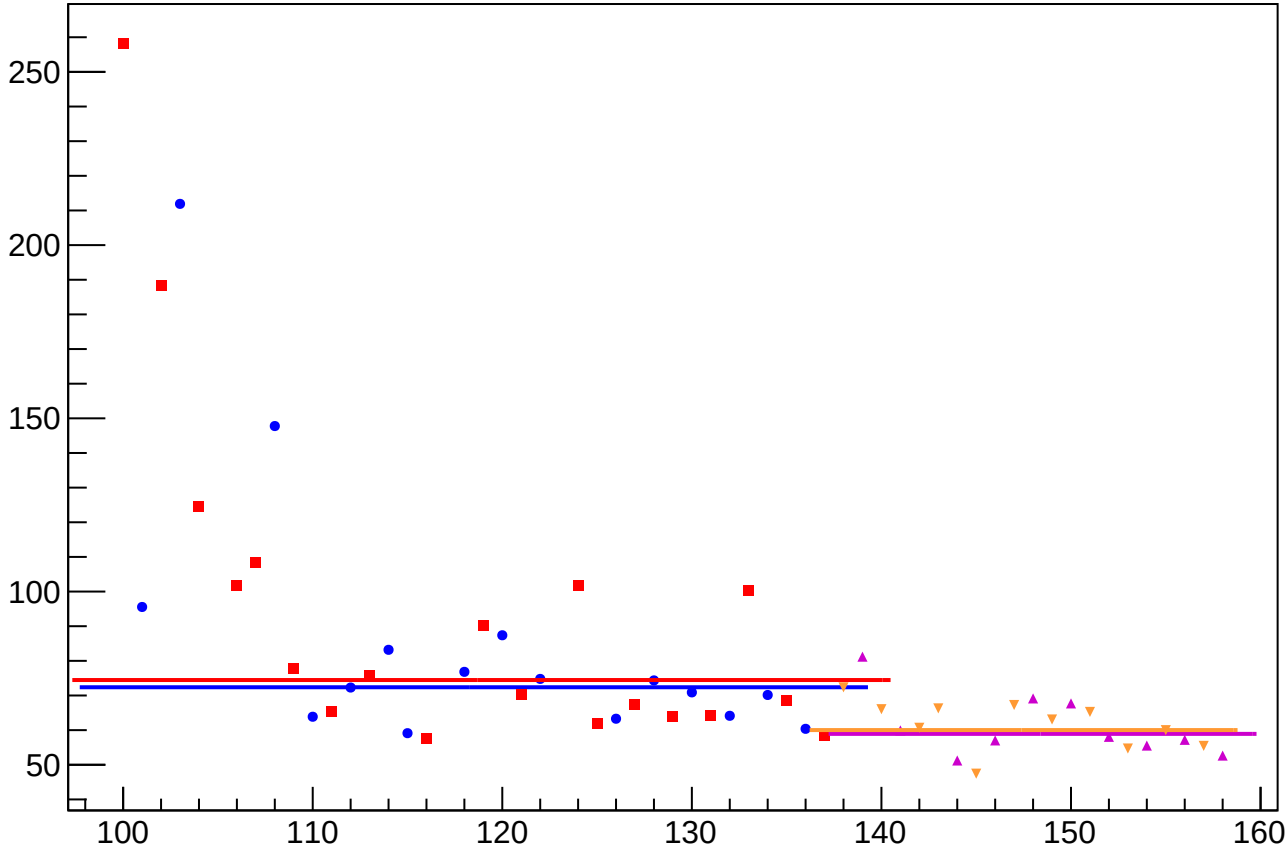
Left In: 65.343+/-20.448 χ^2/NDF:6.2/9

\+ sign 25.556+/-16.771 χ^2/NDF: 43.1/26

All: 29.732+/-11.832 χ^2/NDF: 75.0/55

\- sign 33.869+/-16.694 χ^2/NDF: 31.8/28

dit_asym_sam_37_dd_rms vs Slug



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 60.018+/-0.015 χ^2/NDF:239927.2/10

Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

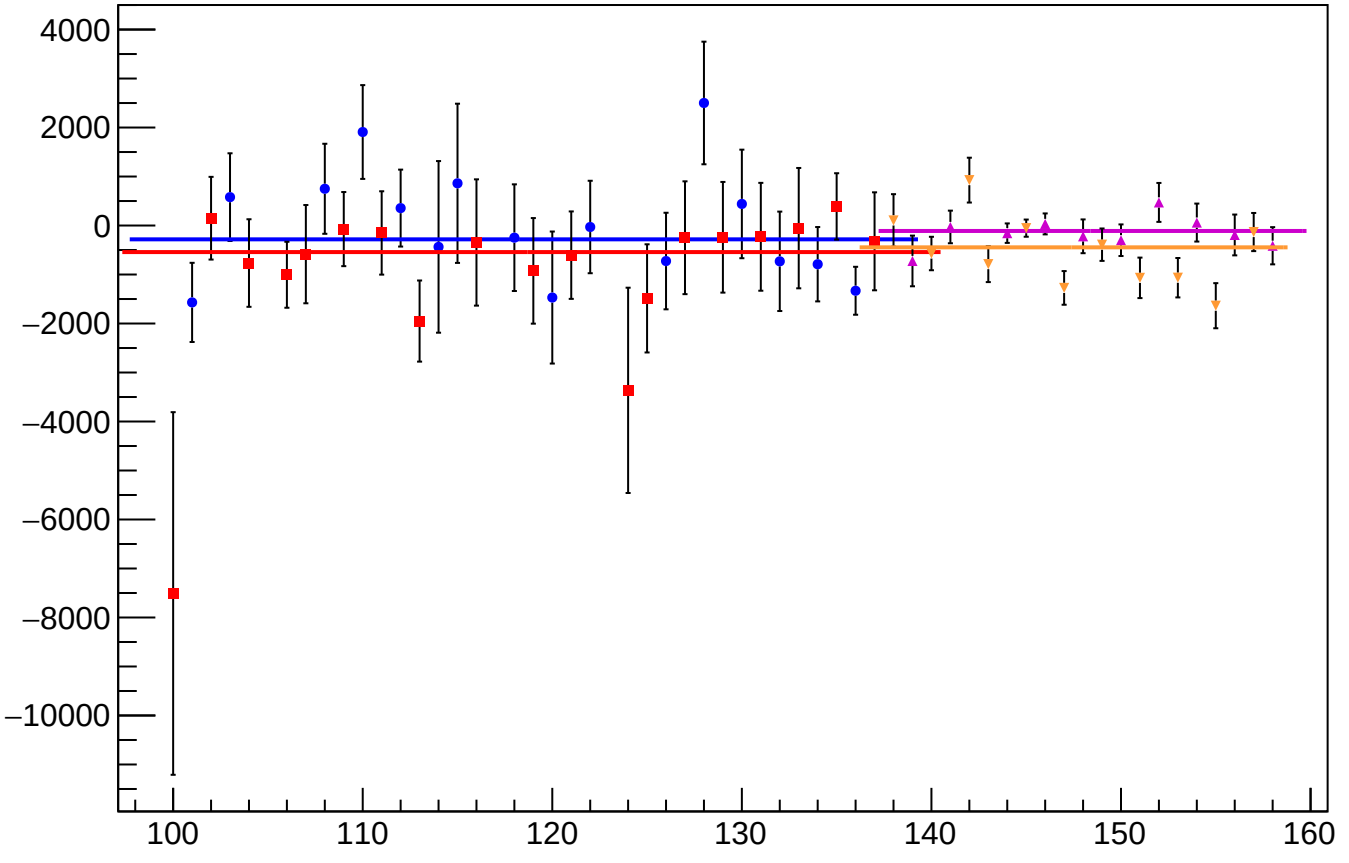
Left In: 58.921+/-0.014 χ^2/NDF:266193.3/9

+ sign 64.353+/-0.012 χ^2/NDF: 1425502.0/26

All: 64.228+/-0.008 χ^2/NDF: 3129536.4/55

- sign 64.104+/-0.012 χ^2/NDF: 1703811.8/28

asym_sam_37_dd_dit_correction_mean vs Slug



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -445.380+/-101.145 χ^2/NDF:33.9/10

Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

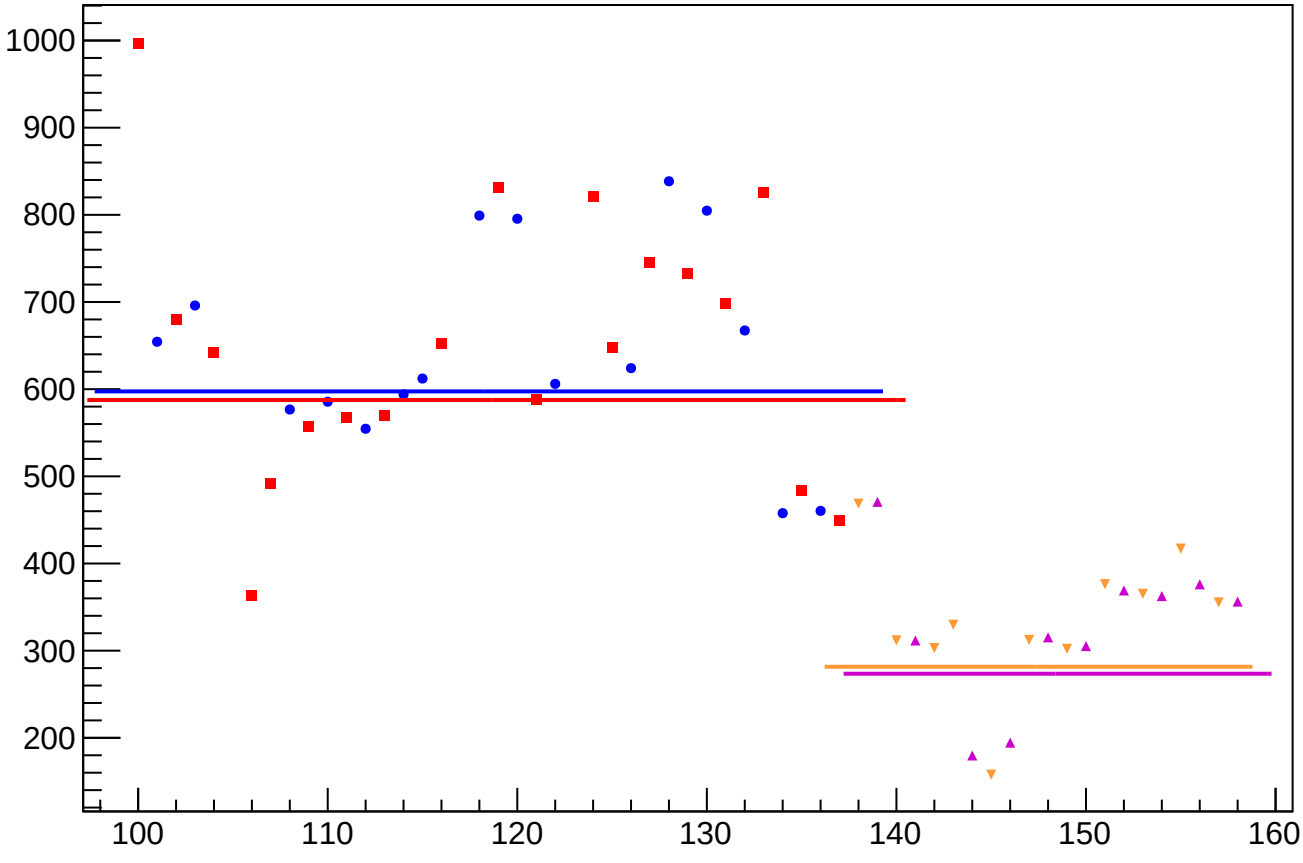
Left In: -111.099+/-98.203 χ^2/NDF:5.4/9

+ sign -418.480+/-92.442 χ^2/NDF: 57.1/26

All: -296.836+/-64.388 χ^2/NDF: 82.3/55

- sign -182.209+/-89.736 χ^2/NDF: 21.9/28

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 281.518+/-0.072 χ^2/NDF:1755505.8/10

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

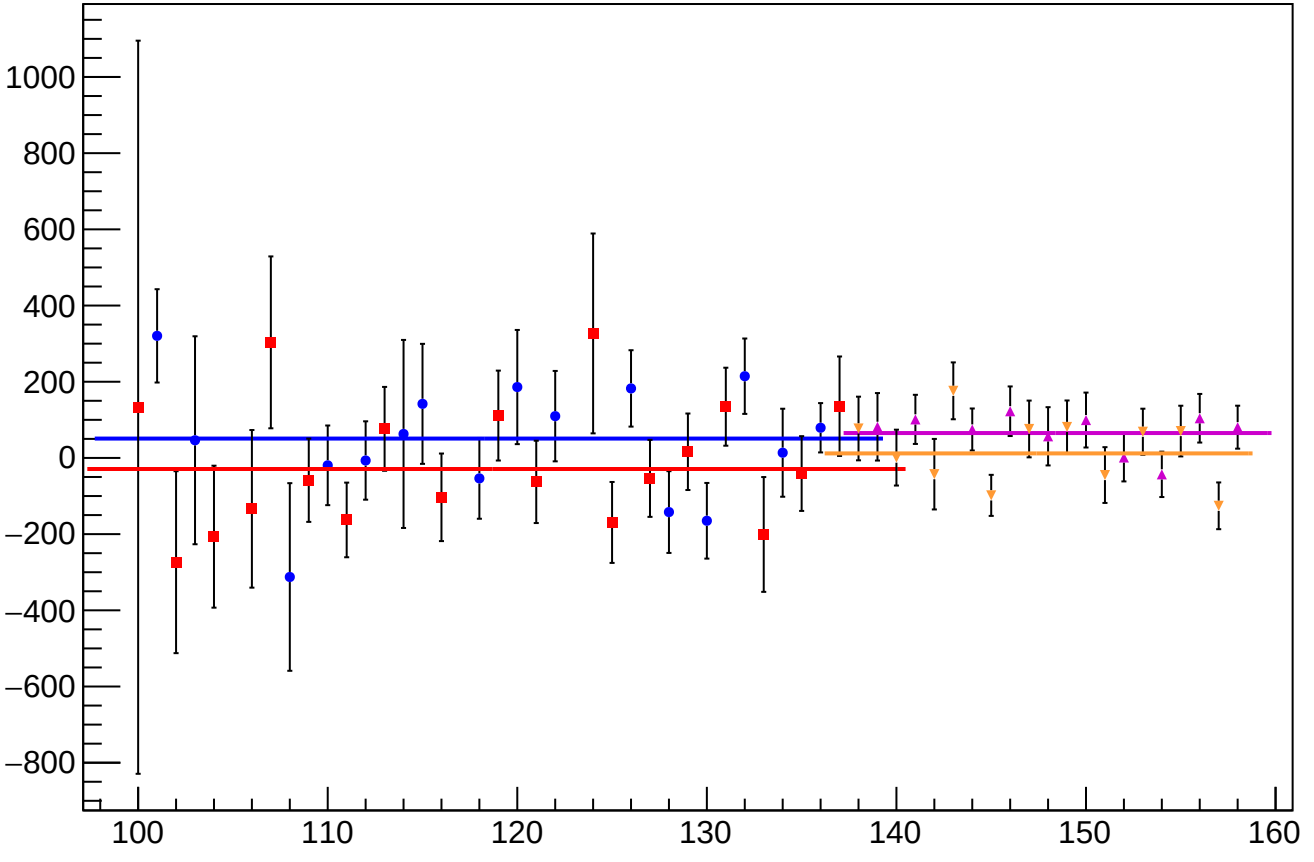
Left In: 273.551+/-0.069 χ^2/NDF:1522280.8/9

+ sign 333.547+/-0.065 χ^2/NDF: 5502713.7/26

All: 329.336+/-0.046 χ^2/NDF: 11096506.0/55

- sign 325.368+/-0.063 χ^2/NDF: 5585732.8/28

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: 11.896+/-20.814 χ^2/NDF:19.0/10

Right Out: -29.038+/-28.910 χ^2/NDF: 18.5/18

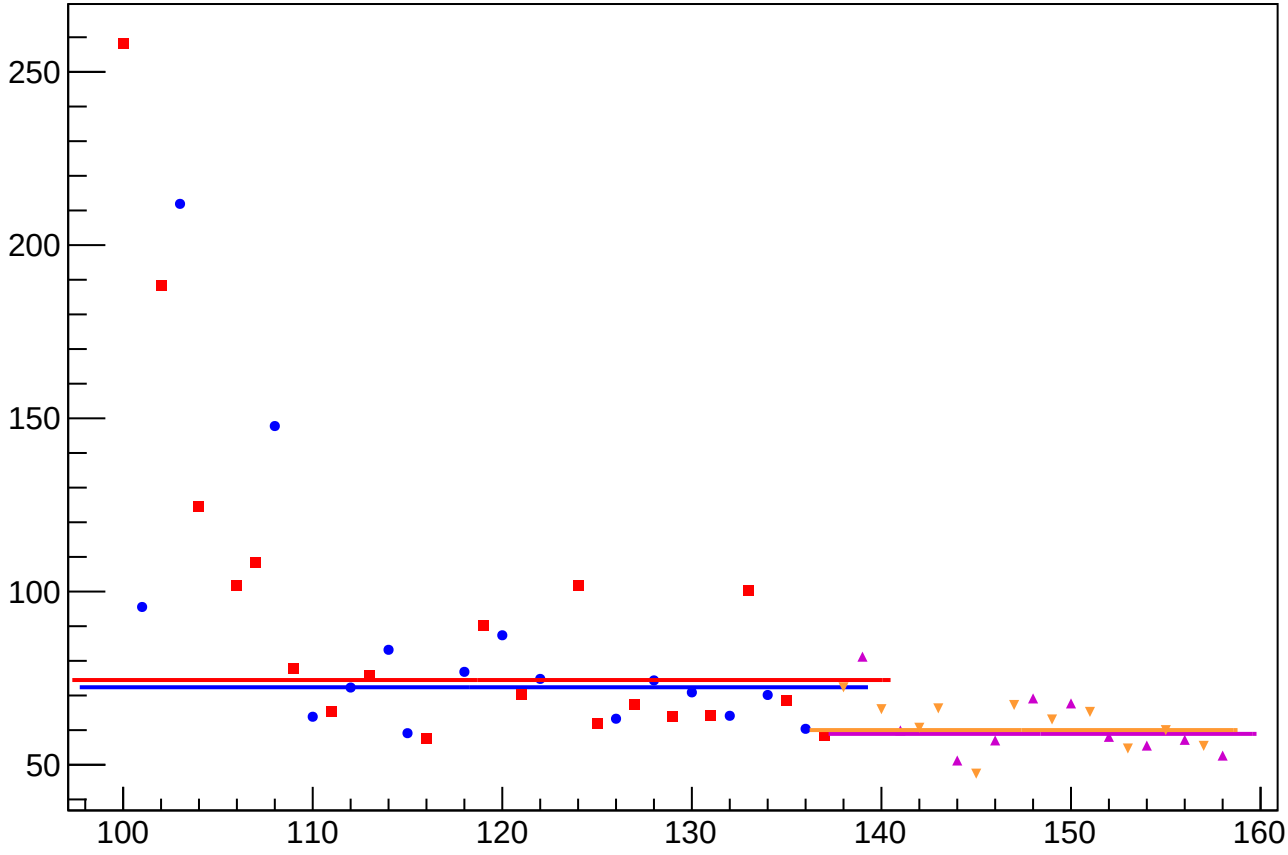
Left In: 65.343+/-20.449 χ^2/NDF:6.2/9

\+ sign 25.557+/-16.771 χ^2/NDF: 43.1/26

All: 29.732+/-11.832 χ^2/NDF: 75.0/55

\- sign 33.869+/-16.694 χ^2/NDF: 31.8/28

eigen_dit_asym_sam_37_dd_rms vs Slug



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 60.018+/-0.015 χ^2/NDF:239936.5/10

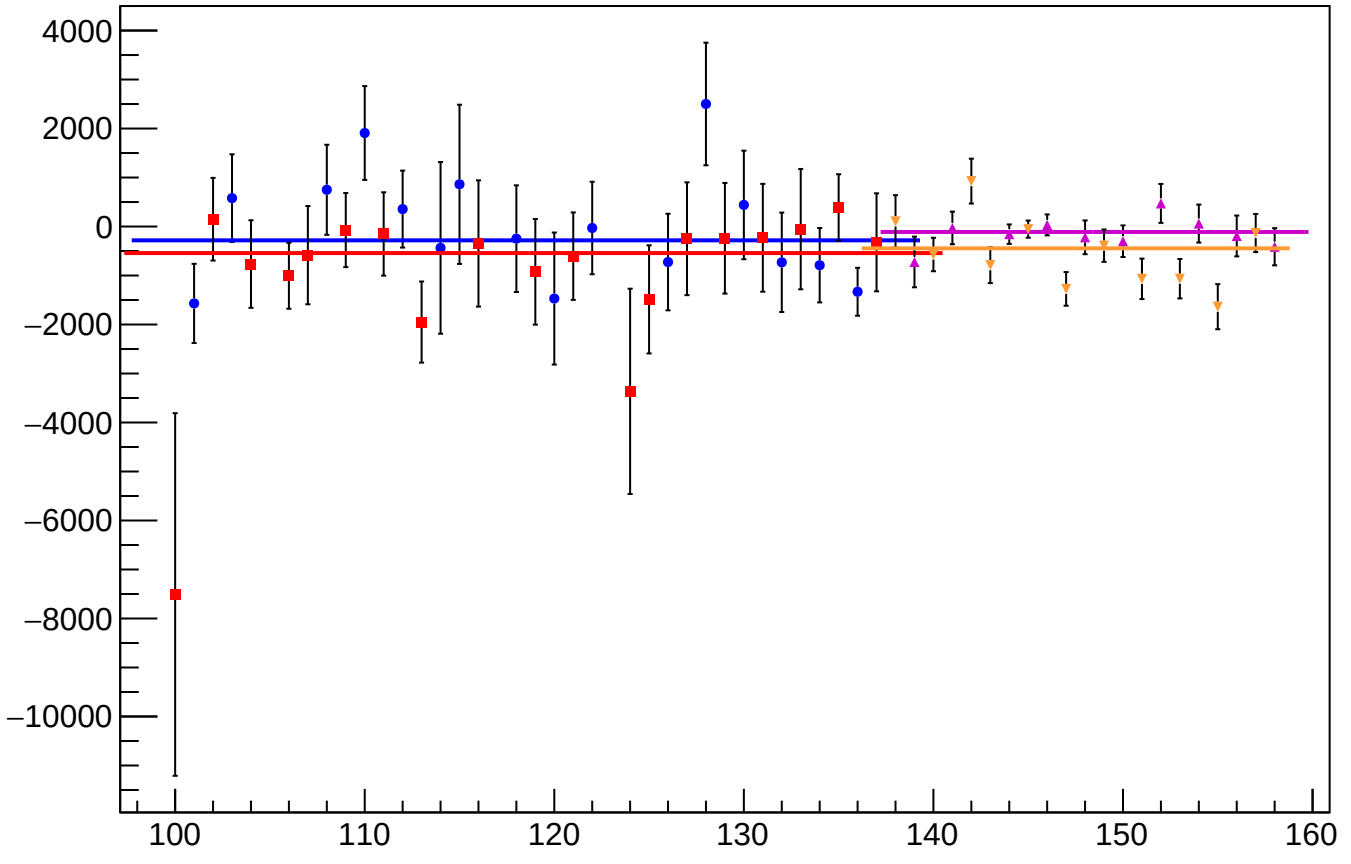
Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 58.921+/-0.014 χ^2/NDF:266195.4/9

+ sign 64.354+/-0.012 χ^2/NDF: 1425499.1/26

All: 64.228+/-0.008 χ^2/NDF: 3129515.5/55

- sign 64.104+/-0.012 χ^2/NDF: 1703793.7/28



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -445.381+/-101.145 χ^2/NDF:33.9/10

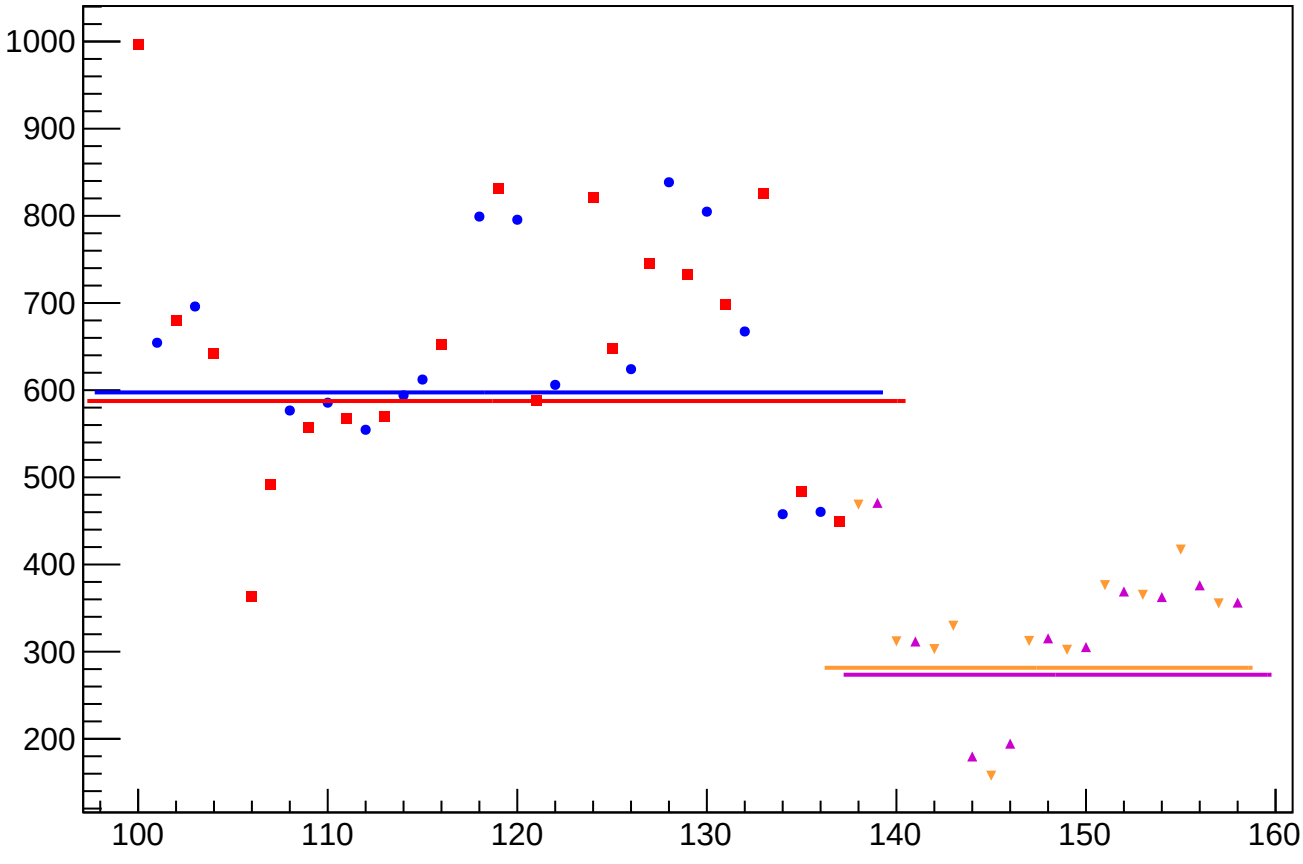
Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: -111.099+/-98.203 χ^2/NDF:5.4/9

+ sign -418.480+/-92.441 χ^2/NDF: 57.1/26

All: -296.836+/-64.388 χ^2/NDF: 82.3/55

- sign -182.208+/-89.736 χ^2/NDF: 21.9/28



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

Left Out: 281.517+/-0.072 χ^2/NDF:1755494.5/10

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

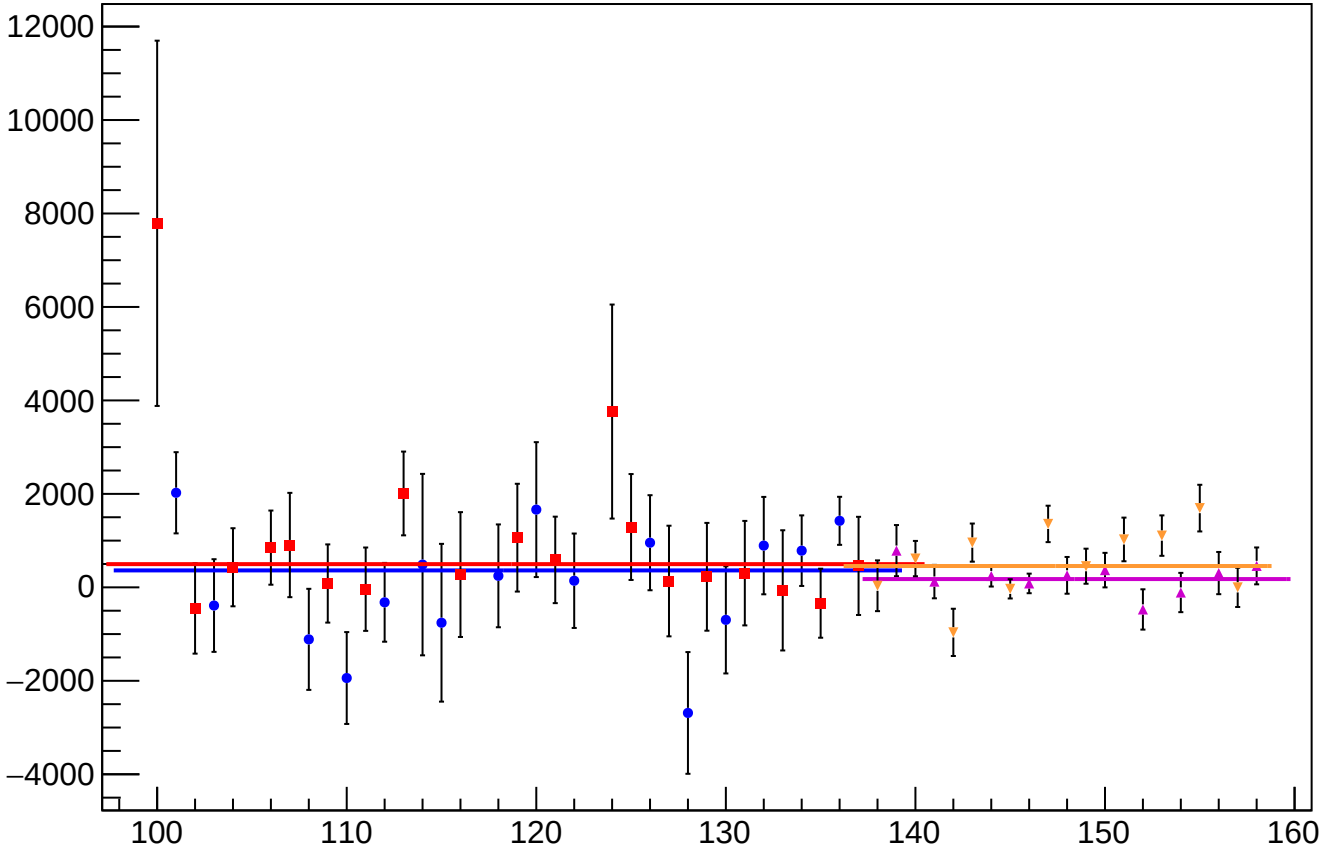
Left In: 273.551+/-0.069 χ^2/NDF:1522273.4/9

+ sign 333.546+/-0.065 χ^2/NDF: 5502710.0/26

All: 329.336+/-0.046 χ^2/NDF: 11096497.7/55

- sign 325.368+/-0.063 χ^2/NDF: 5585728.0/28

asym_sam_37_dd_mean vs Slug



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 456.374+/-113.827 χ^2/NDF:32.2/10

Right Out: 496.639+/-236.029 χ^2/NDF: 12.7/18

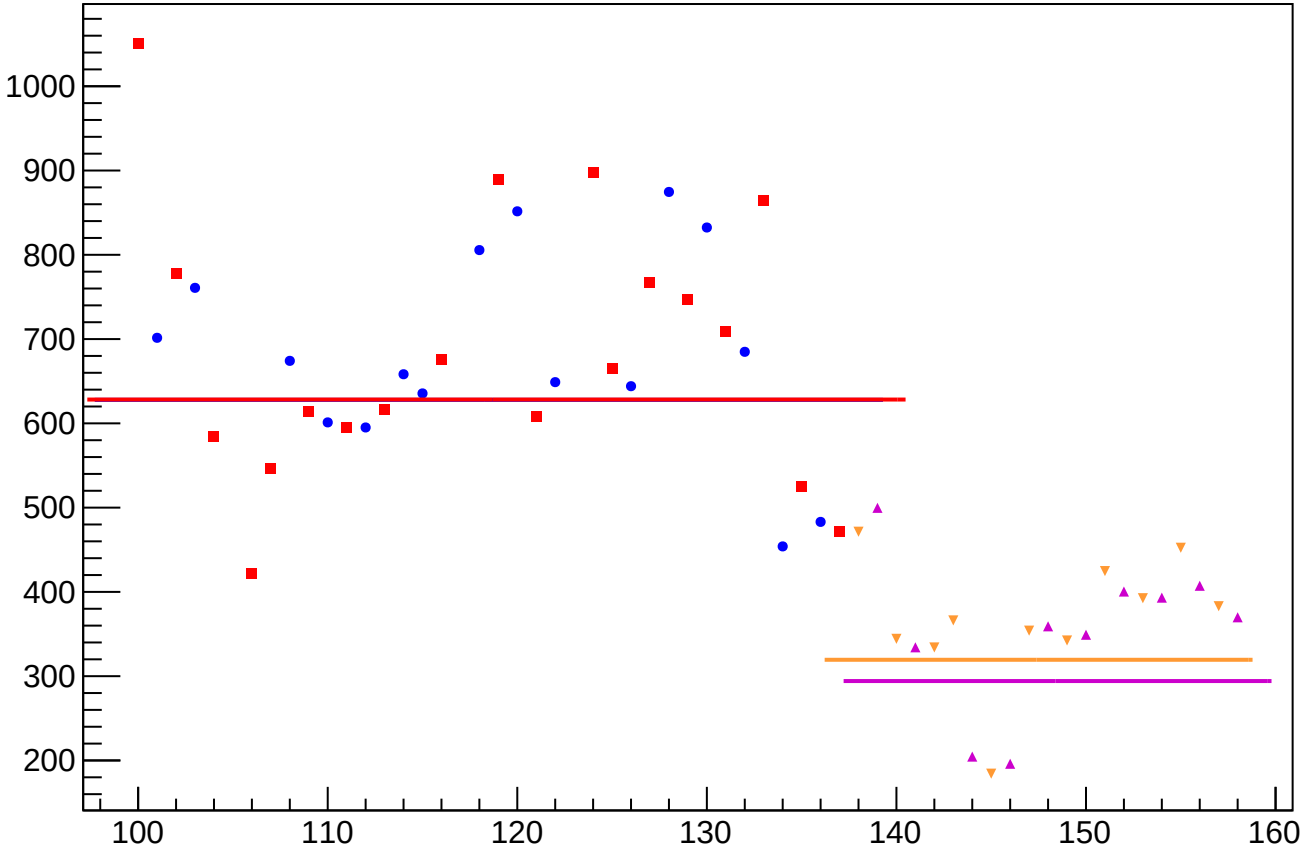
Left In: 177.279+/-105.572 χ^2/NDF:5.2/9

+ sign 439.150+/-102.870 χ^2/NDF: 57.4/26

All: 328.037+/-70.330 χ^2/NDF: 79.0/55

- sign 230.520+/-96.371 χ^2/NDF: 19.4/28

asym_sam_37_dd_rms vs Slug



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 319.457+/-0.080 χ^2/NDF:1423358.4/10

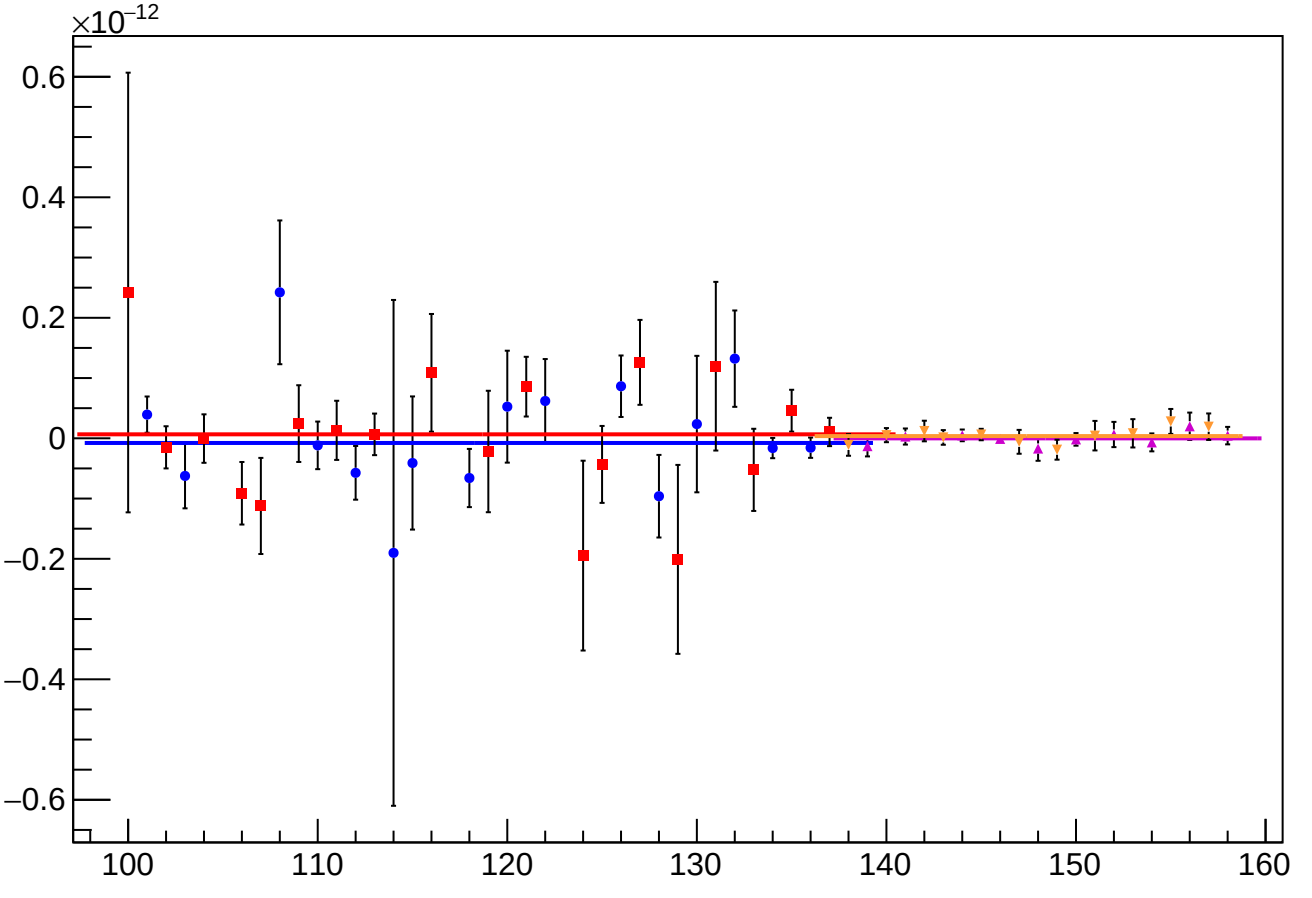
Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 294.219+/-0.075 χ^2/NDF:1591448.7/9

+ sign 375.981+/-0.073 χ^2/NDF: 4681287.7/26

All: 362.094+/-0.050 χ^2/NDF: 10250009.5/55

- sign 349.906+/-0.068 χ^2/NDF: 5500287.4/28



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.1/10

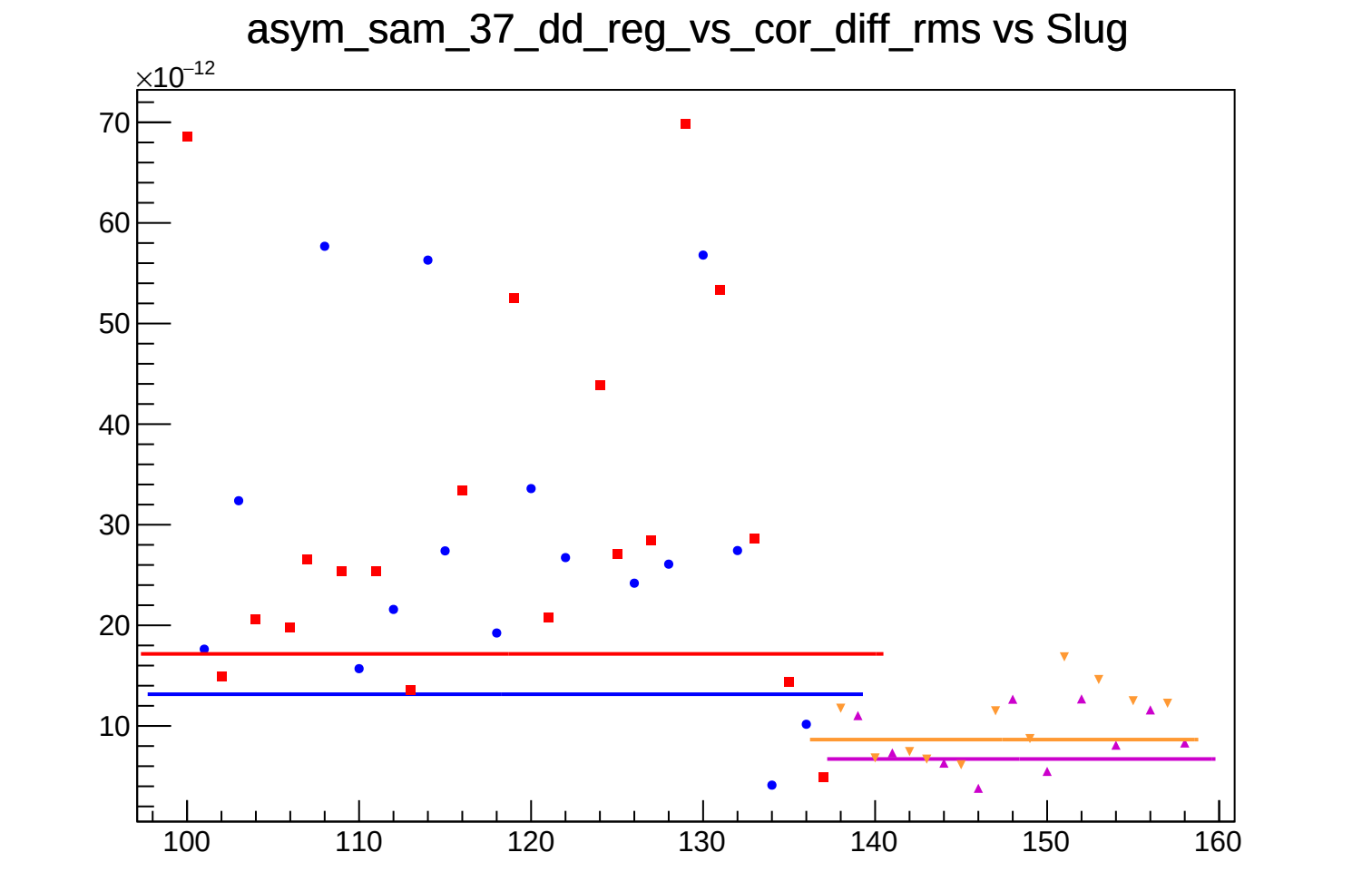
Right Out: 0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: -0.000+/-0.000 χ^2/NDF:2.8/9

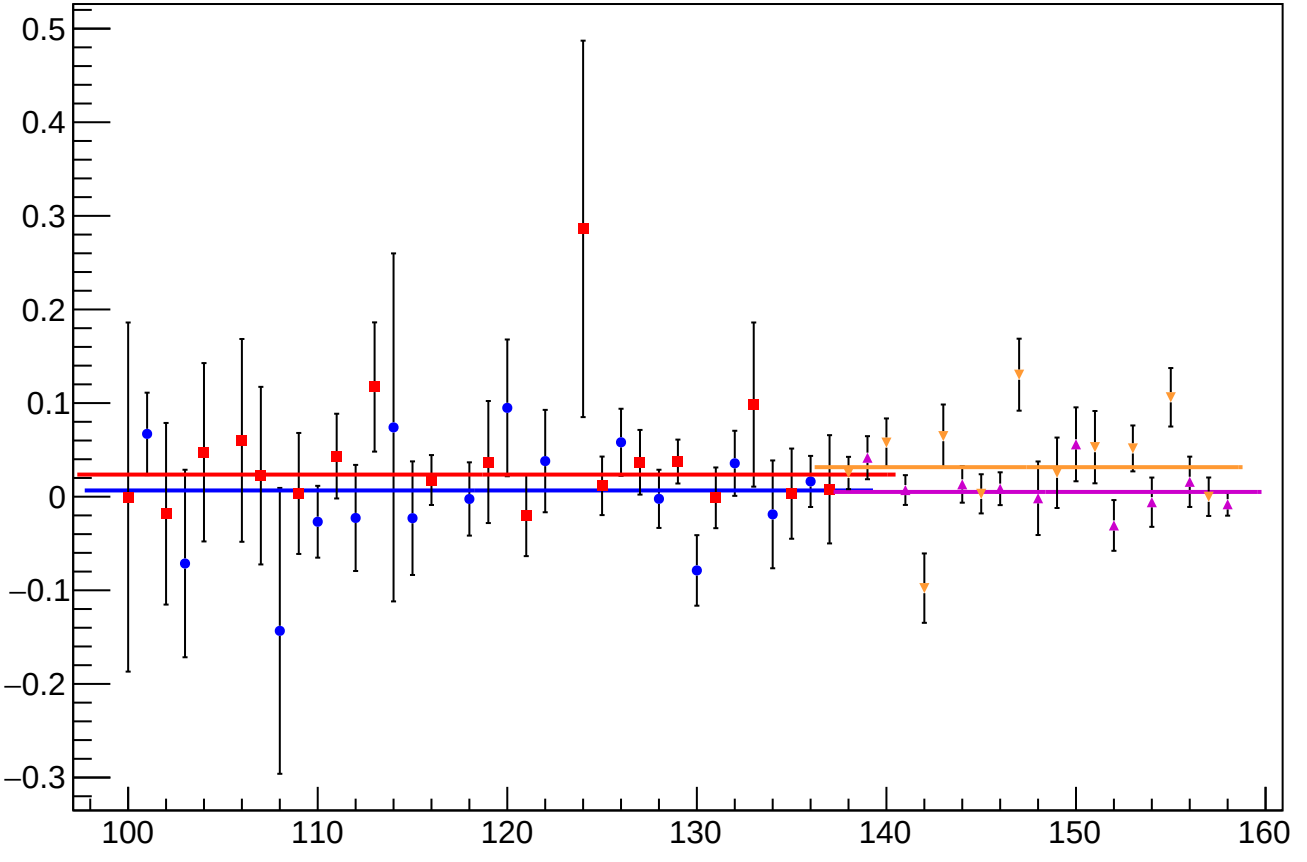
+ sign 0.000+/-0.000 χ^2/NDF: 27.2/26

All: 0.000+/-0.000 χ^2/NDF: 50.3/55

- sign 0.000+/-0.000 χ^2/NDF: 23.1/28


asym_sam_37_dd_reg_vs_cor_diff_rms vs Slug
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2082875.3/15
Left Out: 0.000+/-0.000 χ²/NDF:828218.9/10
Right Out: 0.000+/-0.000 χ²/NDF: 1646197.6/18
Left In: 0.000+/-0.000 χ²/NDF:942606.8/9
+ sign 0.000+/-0.000 χ²/NDF: 3281903.5/26
All: 0.000+/-0.000 χ²/NDF: 7522588.8/55
- sign 0.000+/-0.000 χ²/NDF: 4054545.3/28

asym_sam_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.032+/-0.008 χ^2/NDF:31.8/10

Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

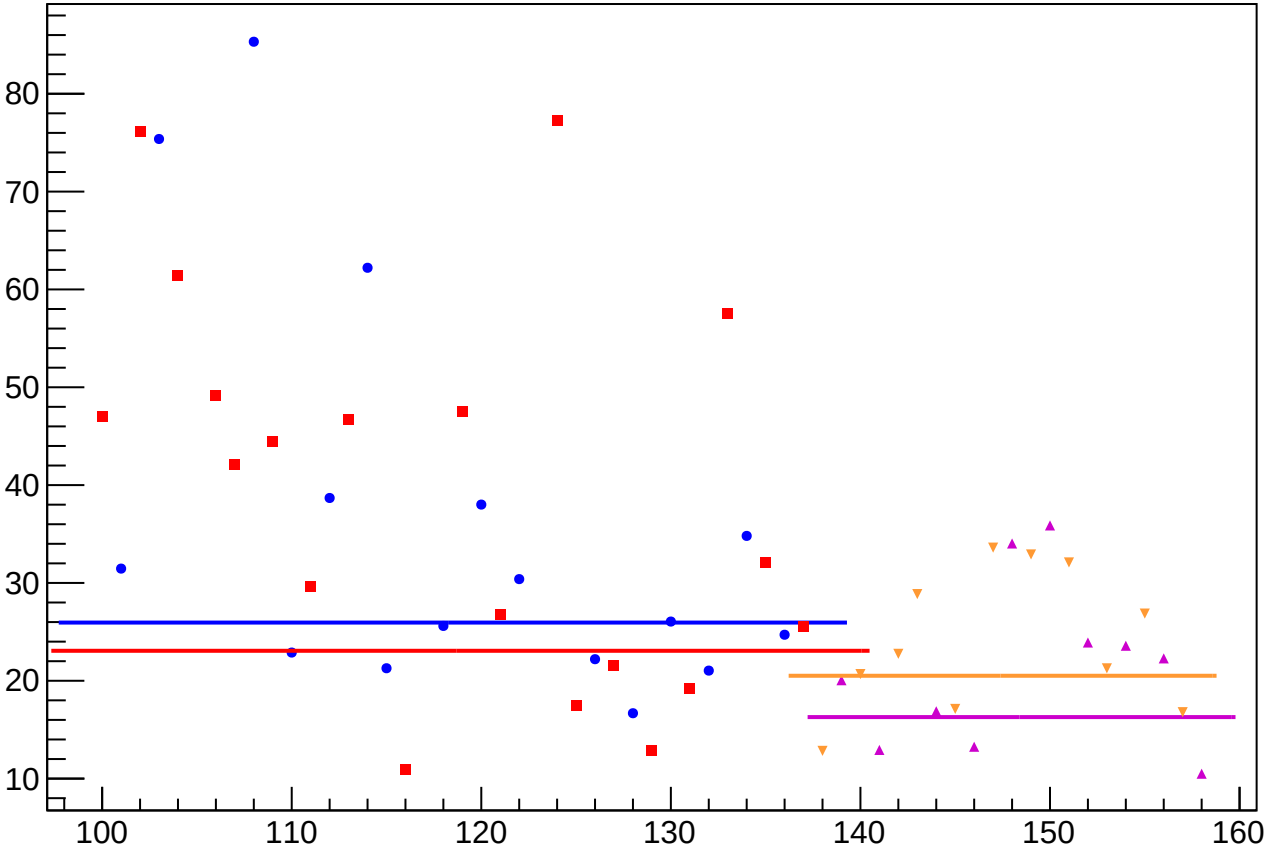
Left In: 0.005+/-0.006 χ^2/NDF:7.7/9

+ sign 0.023+/-0.006 χ^2/NDF: 50.1/26

All: 0.016+/-0.004 χ^2/NDF: 69.9/55

- sign 0.010+/-0.006 χ^2/NDF: 17.5/28

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 20.512+/-0.006 χ^2/NDF:1357613.4/10

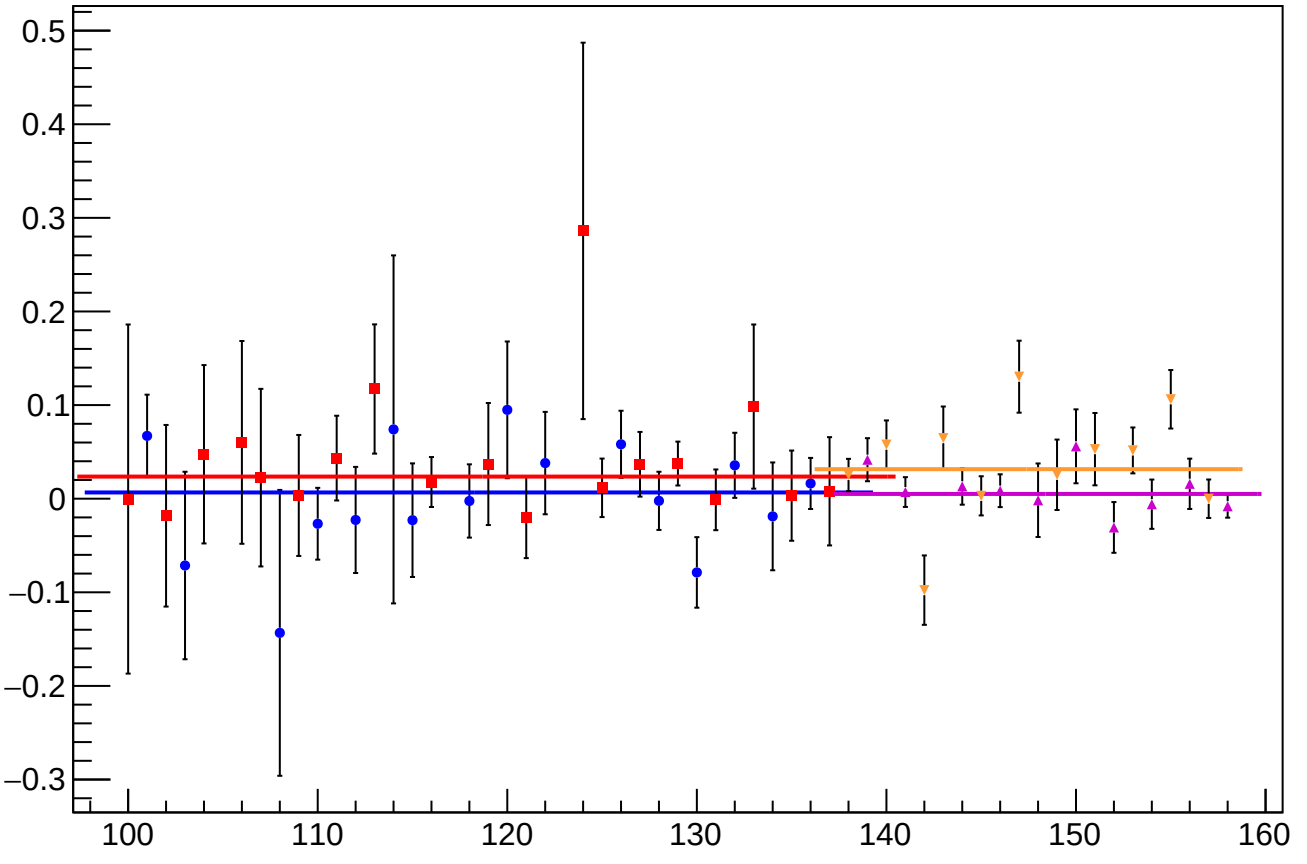
Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 16.288+/-0.005 χ^2/NDF:1965185.5/9

+ sign 22.353+/-0.005 χ^2/NDF: 3056599.4/26

All: 19.922+/-0.003 χ^2/NDF: 9475967.4/55

- sign 18.153+/-0.004 χ^2/NDF: 5929712.6/28



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.032+/-0.008 χ^2/NDF:31.8/10

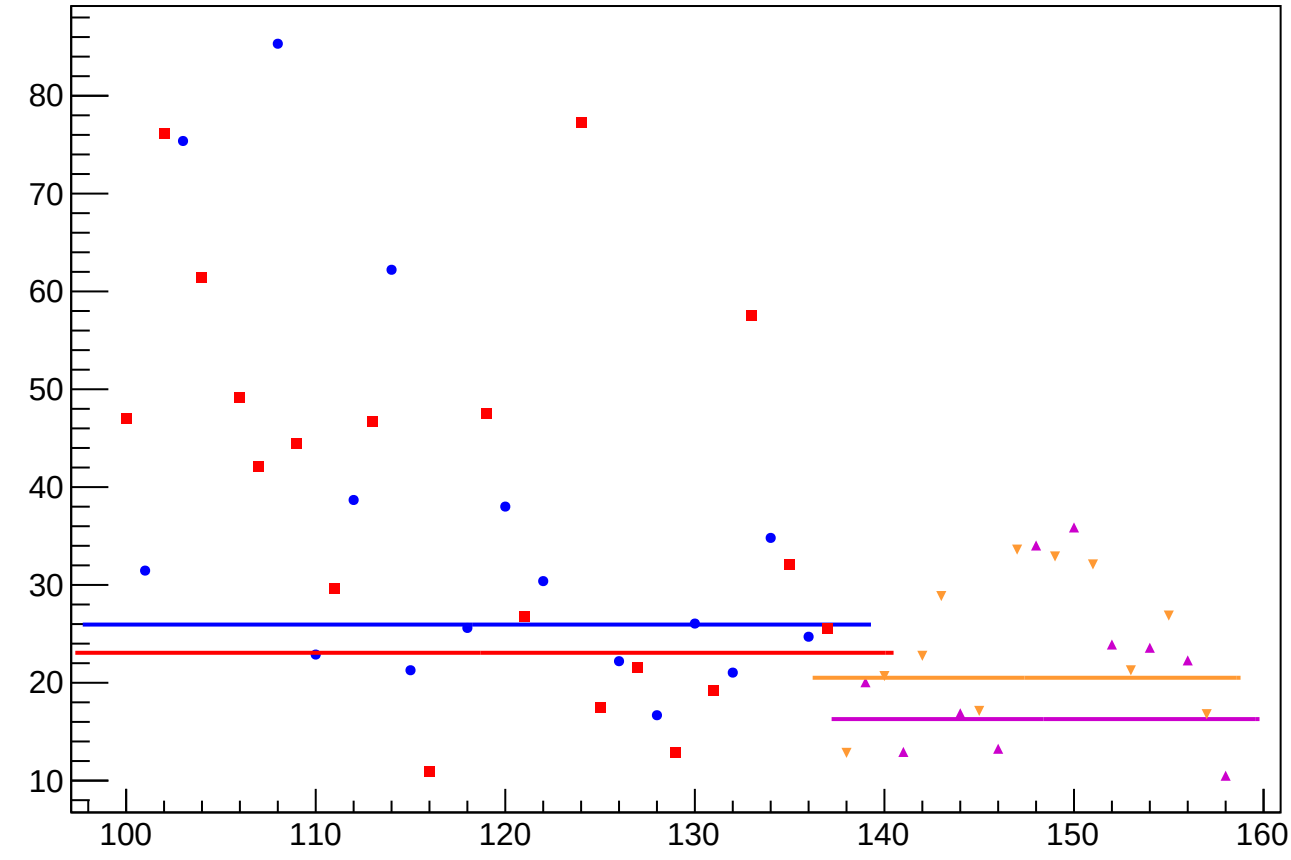
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.005+/-0.006 χ^2/NDF:7.7/9

+ sign 0.023+/-0.006 χ^2/NDF: 50.1/26

All: 0.016+/-0.004 χ^2/NDF: 69.9/55

- sign 0.010+/-0.006 χ^2/NDF: 17.5/28



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 20.512+/-0.006 χ^2/NDF:1357613.4/10

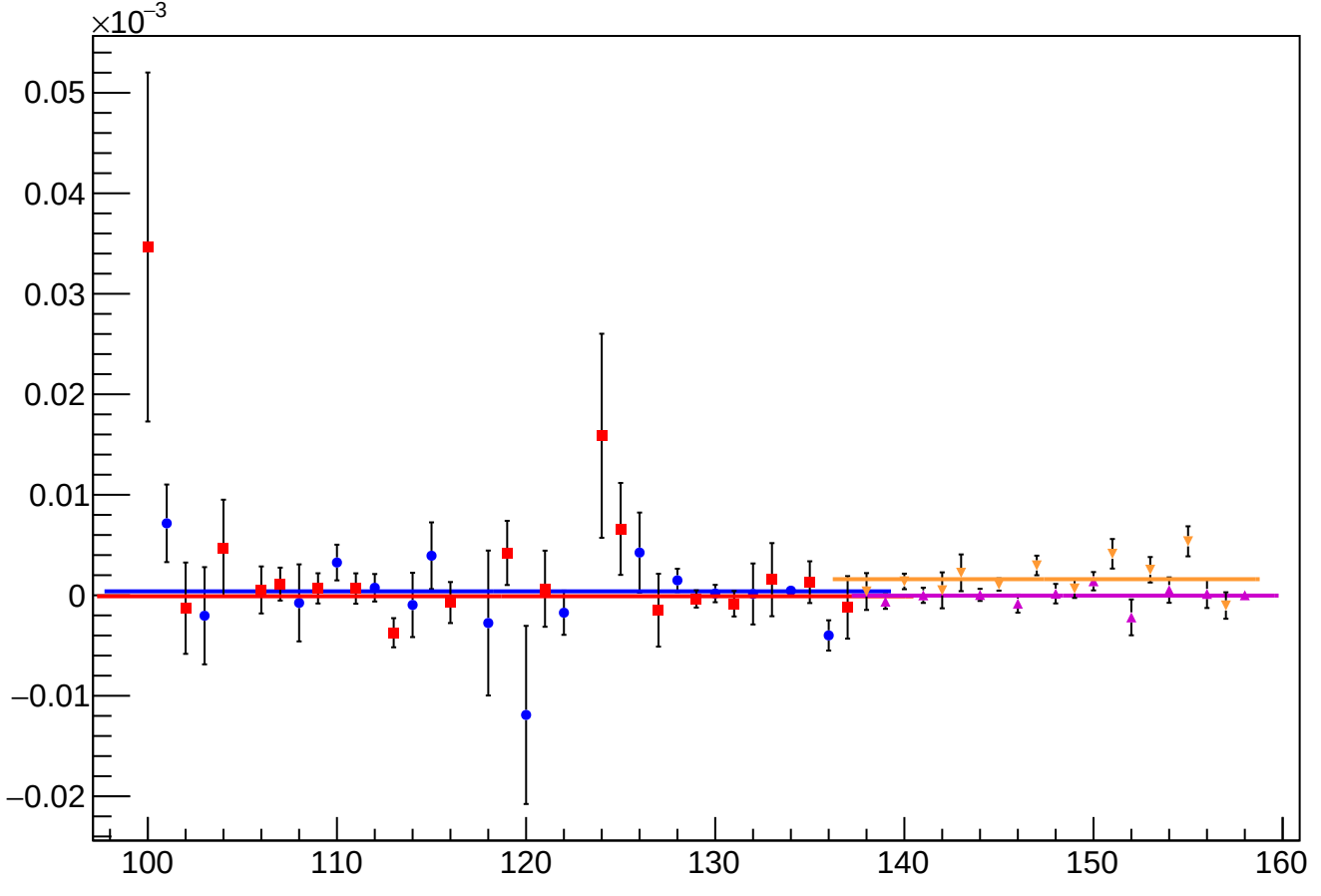
Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 16.288+/-0.005 χ^2/NDF:1965185.5/9

+ sign 22.353+/-0.005 χ^2/NDF: 3056599.4/26

All: 19.922+/-0.003 χ^2/NDF: 9475967.4/55

- sign 18.153+/-0.004 χ^2/NDF: 5929712.6/28



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.6/10

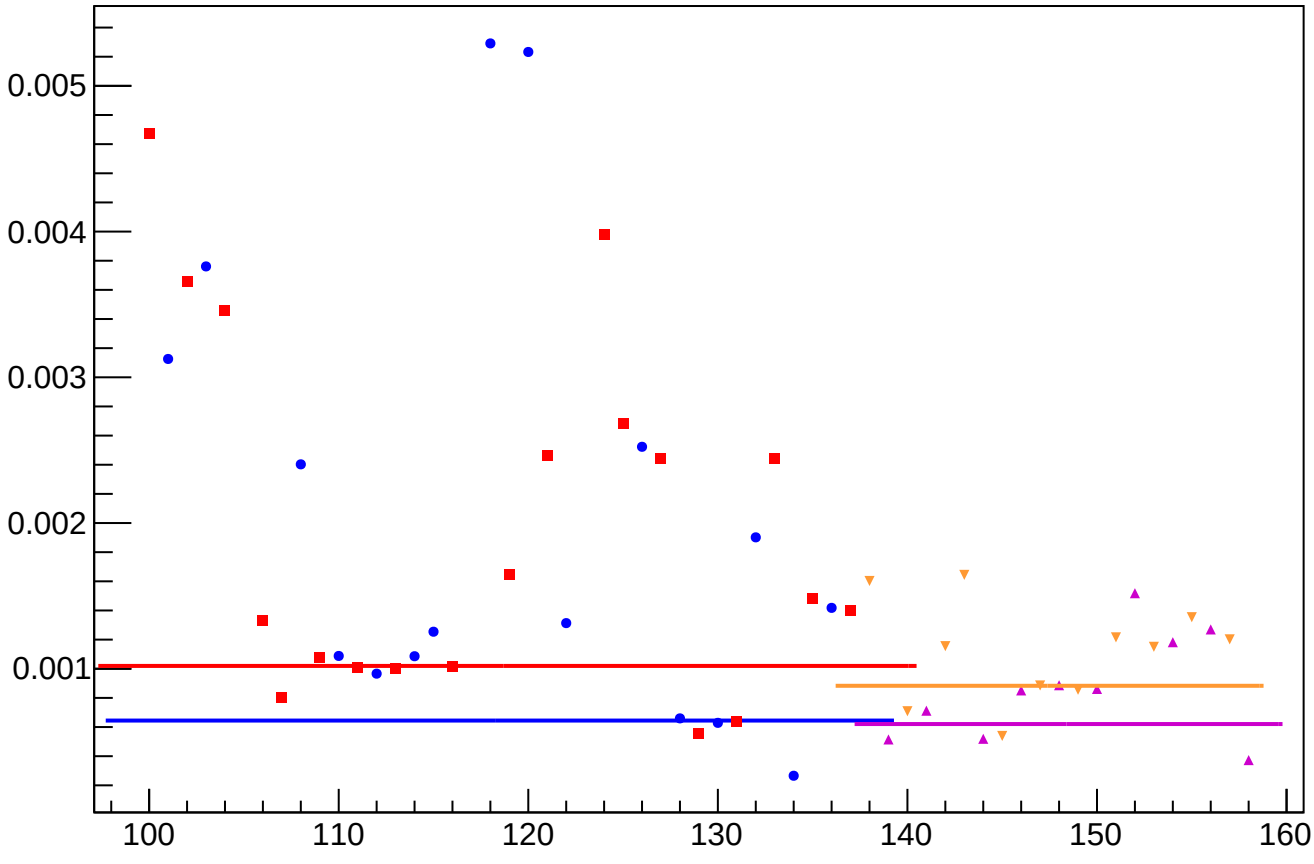
Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: -0.000+/-0.000 χ^2/NDF:5.7/9

+ sign 0.000+/-0.000 χ^2/NDF: 46.0/26

All: 0.000+/-0.000 χ^2/NDF: 83.7/55

- sign -0.000+/-0.000 χ^2/NDF: 26.1/28



Right In: 0.001+/-0.000 χ^2/NDF: 6575652.3/15

Left Out: 0.001+/-0.000 χ^2/NDF:1945360.9/10

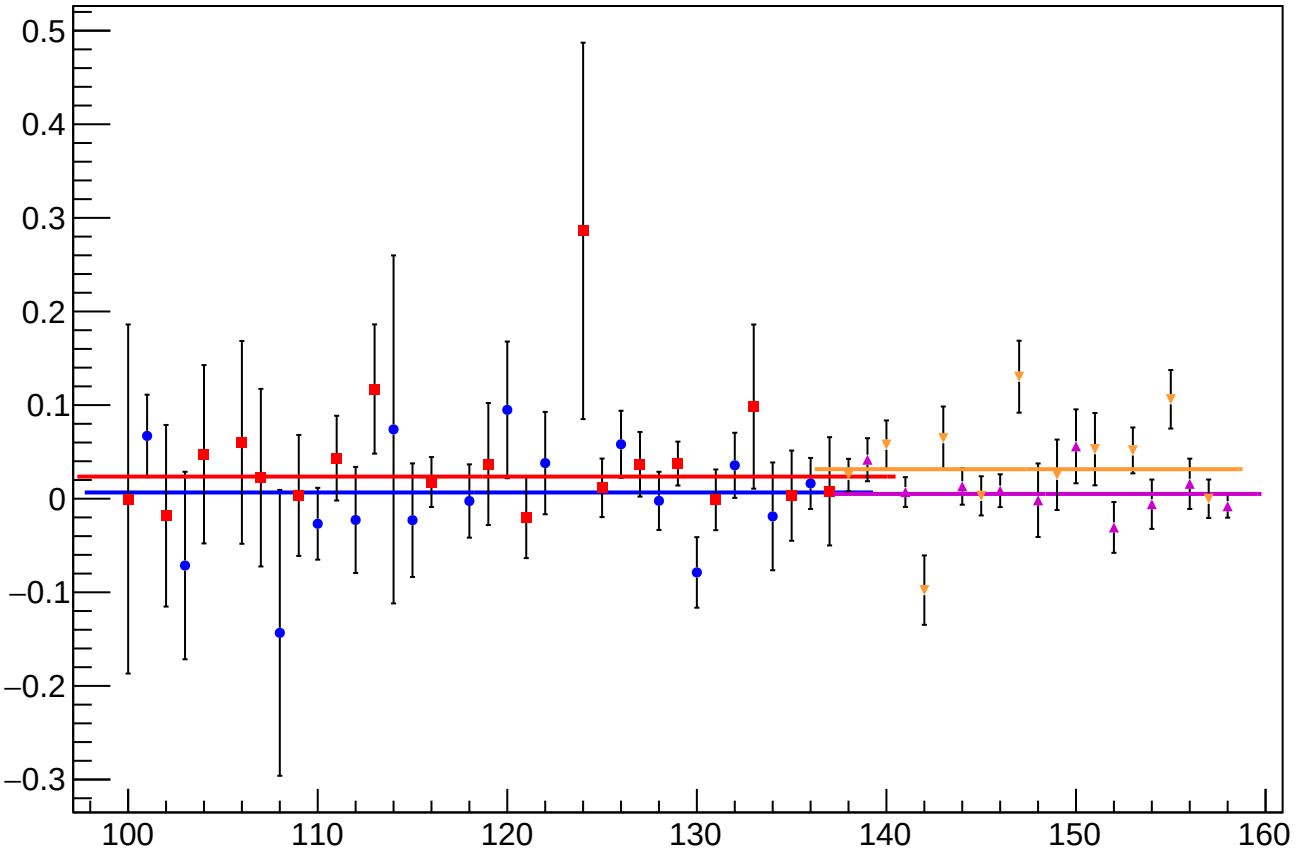
Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

Left In: 0.001+/-0.000 χ^2/NDF:2623330.2/9

+ sign 0.001+/-0.000 χ^2/NDF: 9037951.7/26

All: 0.001+/-0.000 χ^2/NDF: 16623201.8/55

- sign 0.001+/-0.000 χ^2/NDF: 7509918.0/28



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.032+/-0.008 χ^2/NDF:31.8/10

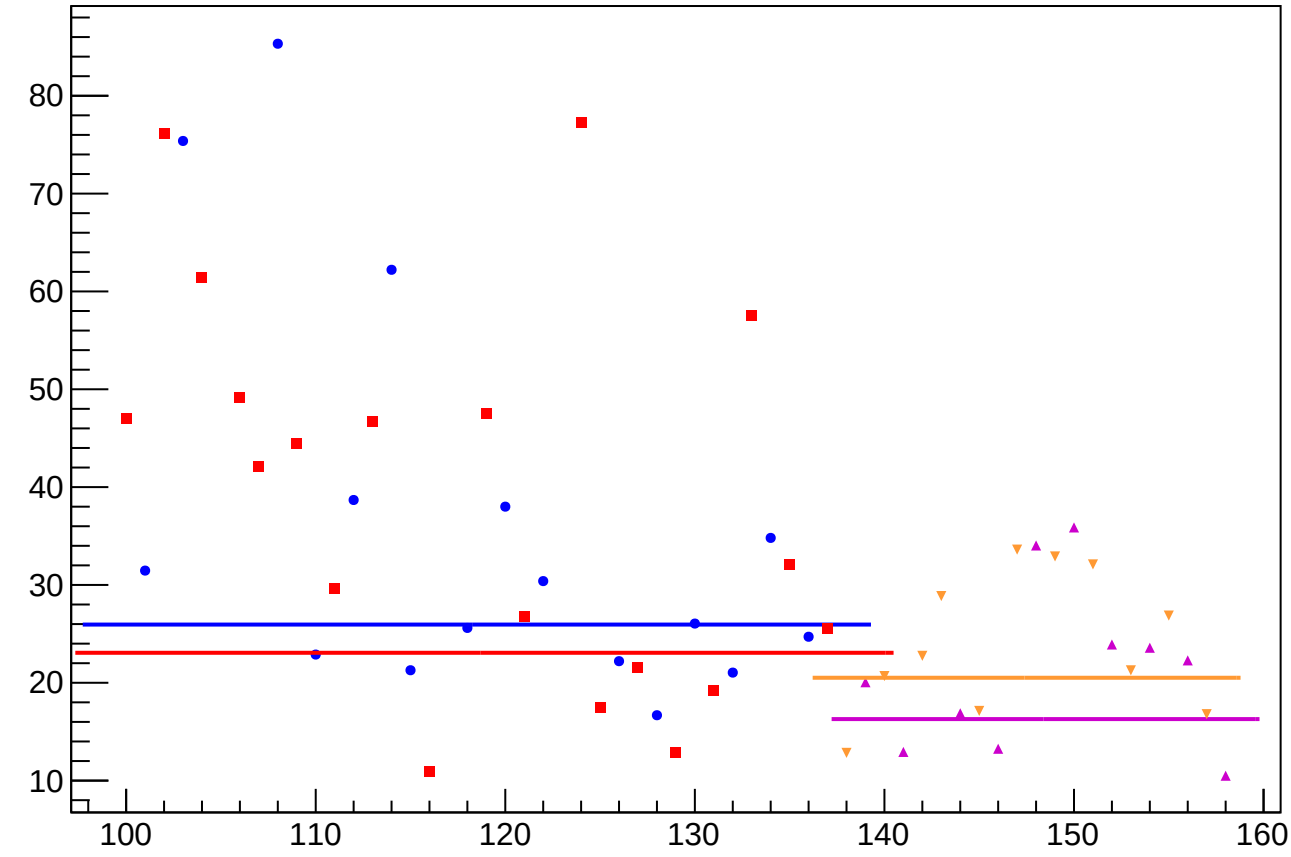
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.005+/-0.006 χ^2/NDF:7.7/9

+ sign 0.023+/-0.006 χ^2/NDF: 50.1/26

All: 0.016+/-0.004 χ^2/NDF: 69.9/55

- sign 0.010+/-0.006 χ^2/NDF: 17.5/28



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 20.513+/-0.006 χ^2/NDF:1357633.3/10

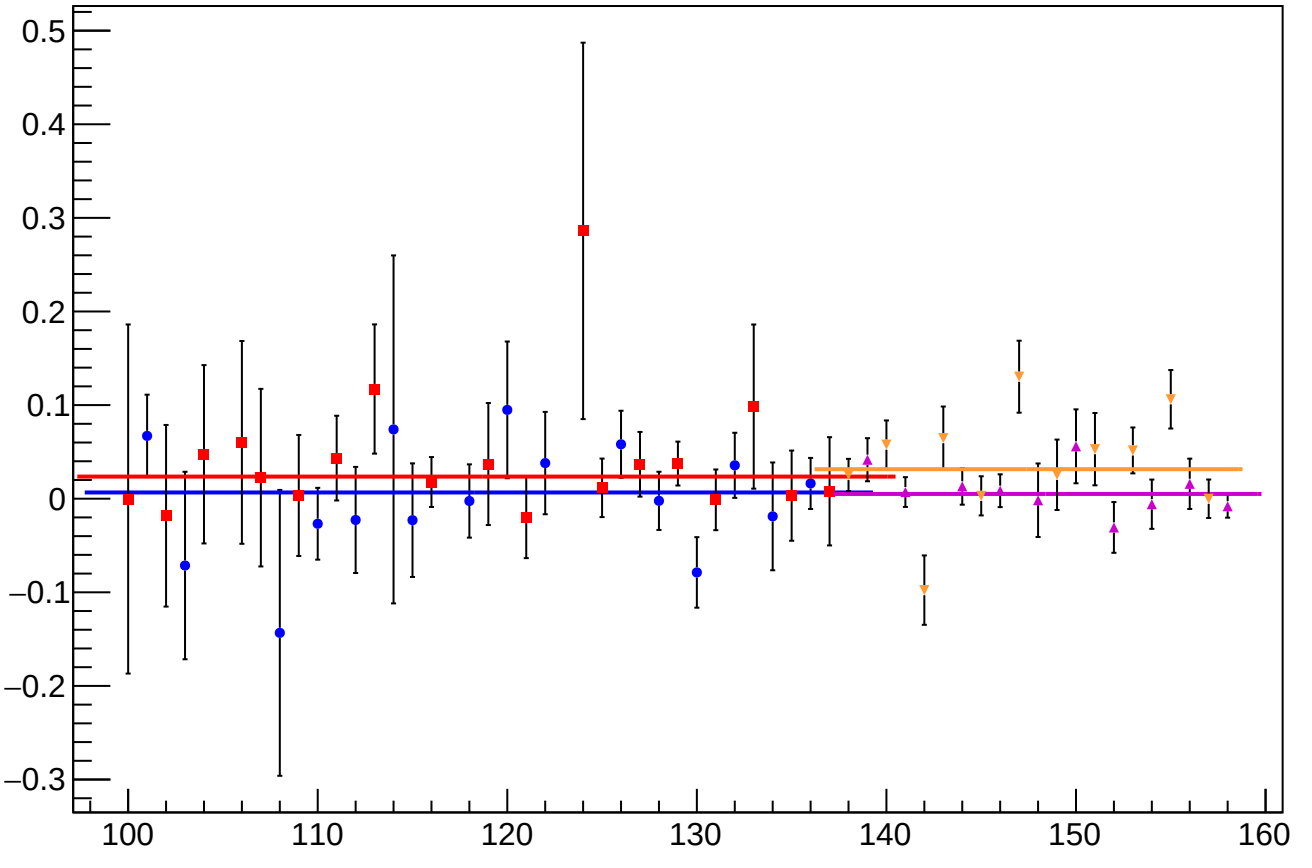
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 16.289+/-0.005 χ^2/NDF:1965275.1/9

+ sign 22.354+/-0.005 χ^2/NDF: 3056522.1/26

All: 19.922+/-0.003 χ^2/NDF: 9475901.2/55

- sign 18.153+/-0.004 χ^2/NDF: 5929665.8/28



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.032+/-0.008 χ^2/NDF:31.8/10

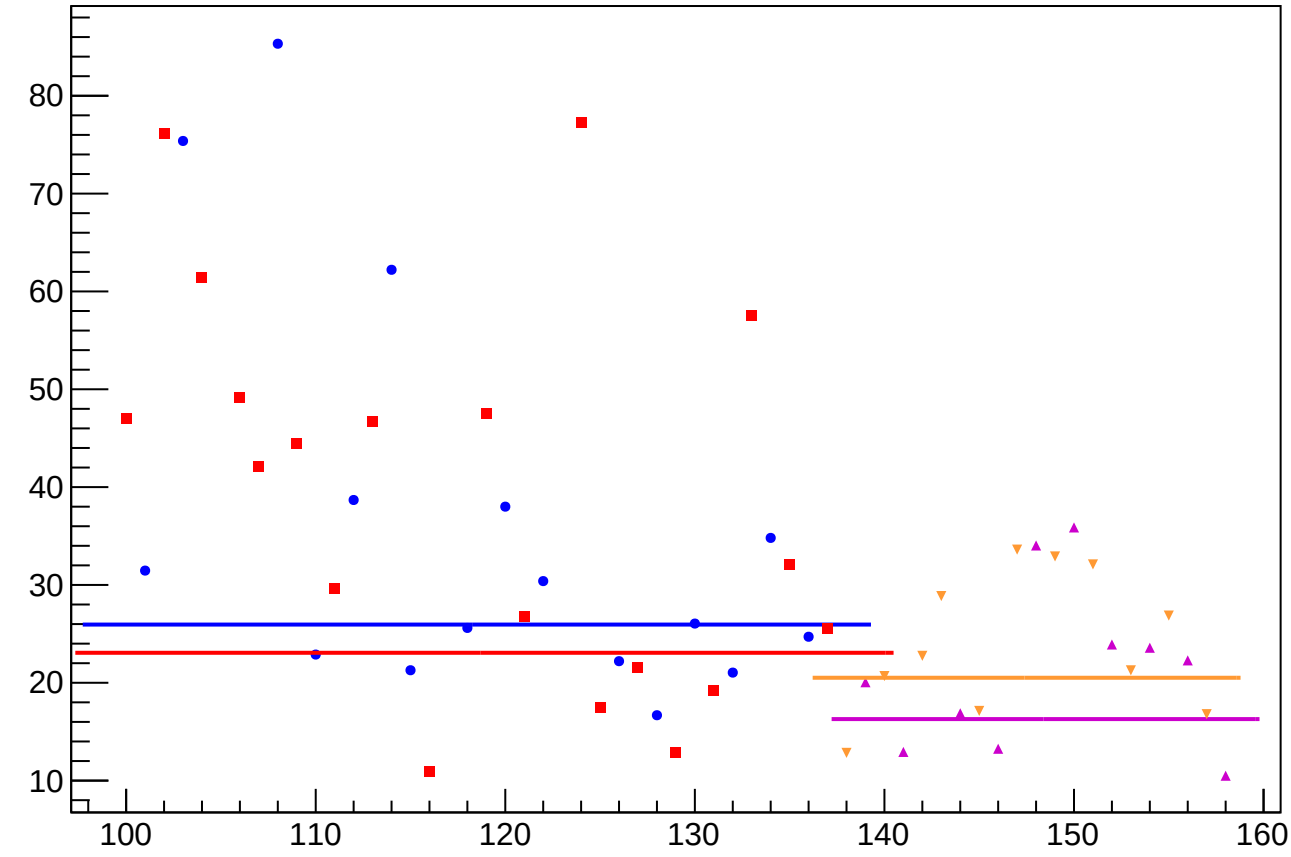
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.005+/-0.006 χ^2/NDF:7.7/9

+ sign 0.023+/-0.006 χ^2/NDF: 50.1/26

All: 0.016+/-0.004 χ^2/NDF: 69.9/55

- sign 0.010+/-0.006 χ^2/NDF: 17.5/28



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 20.513+/-0.006 χ^2/NDF:1357633.3/10

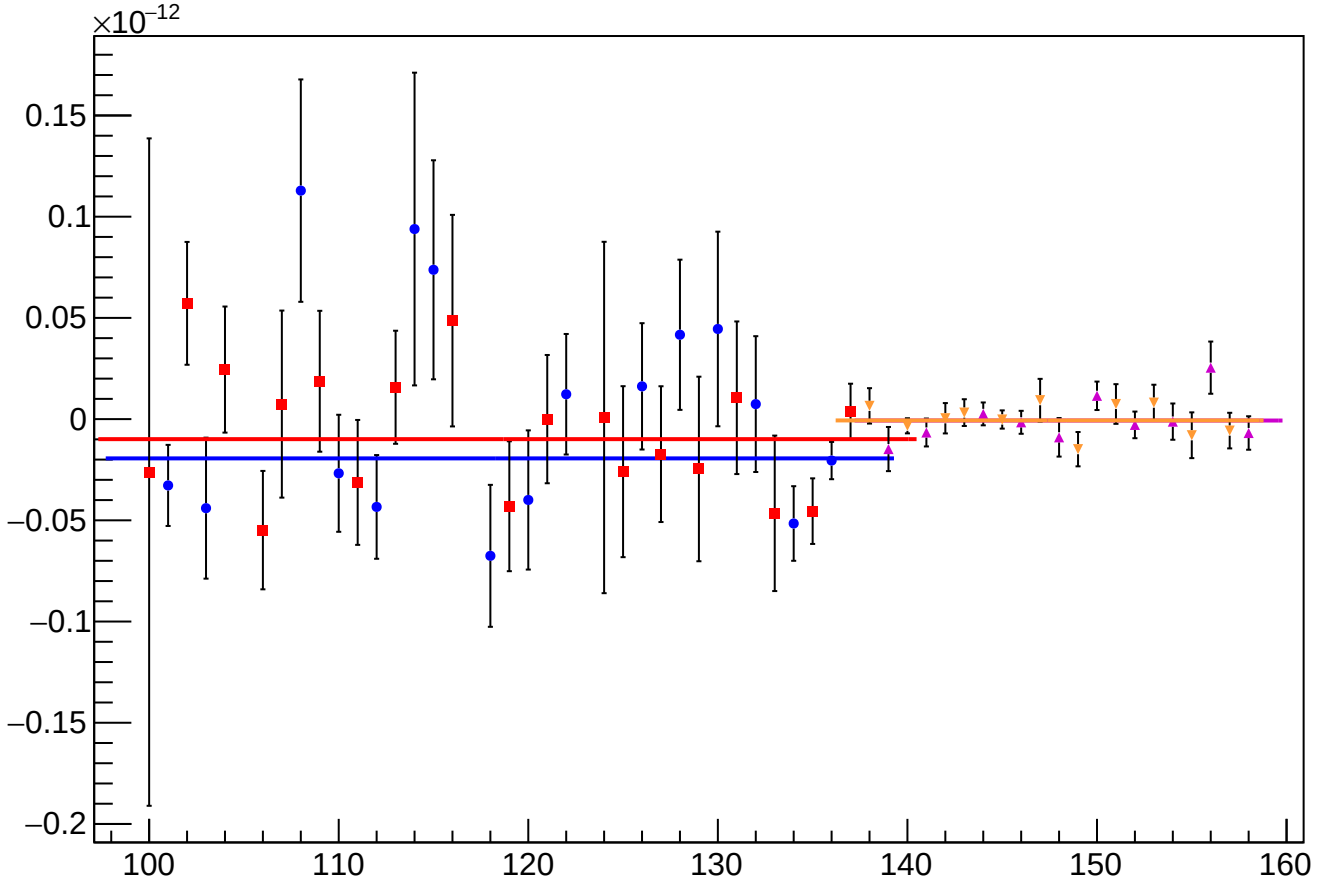
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 16.289+/-0.005 χ^2/NDF:1965275.1/9

+ sign 22.354+/-0.005 χ^2/NDF: 3056522.1/26

All: 19.922+/-0.003 χ^2/NDF: 9475901.2/55

- sign 18.153+/-0.004 χ^2/NDF: 5929665.8/28



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.7/10

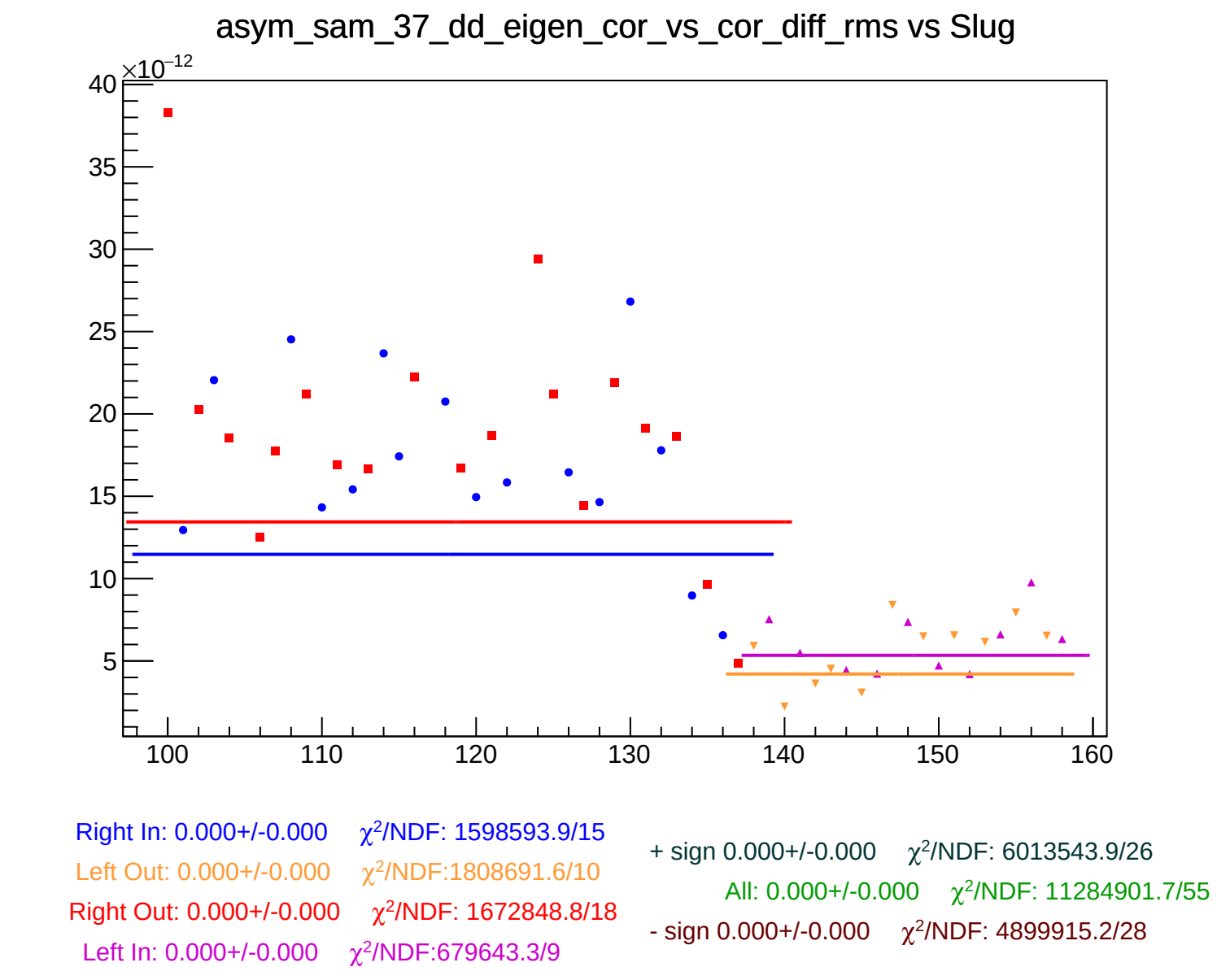
Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: -0.000+/-0.000 χ^2/NDF:11.3/9

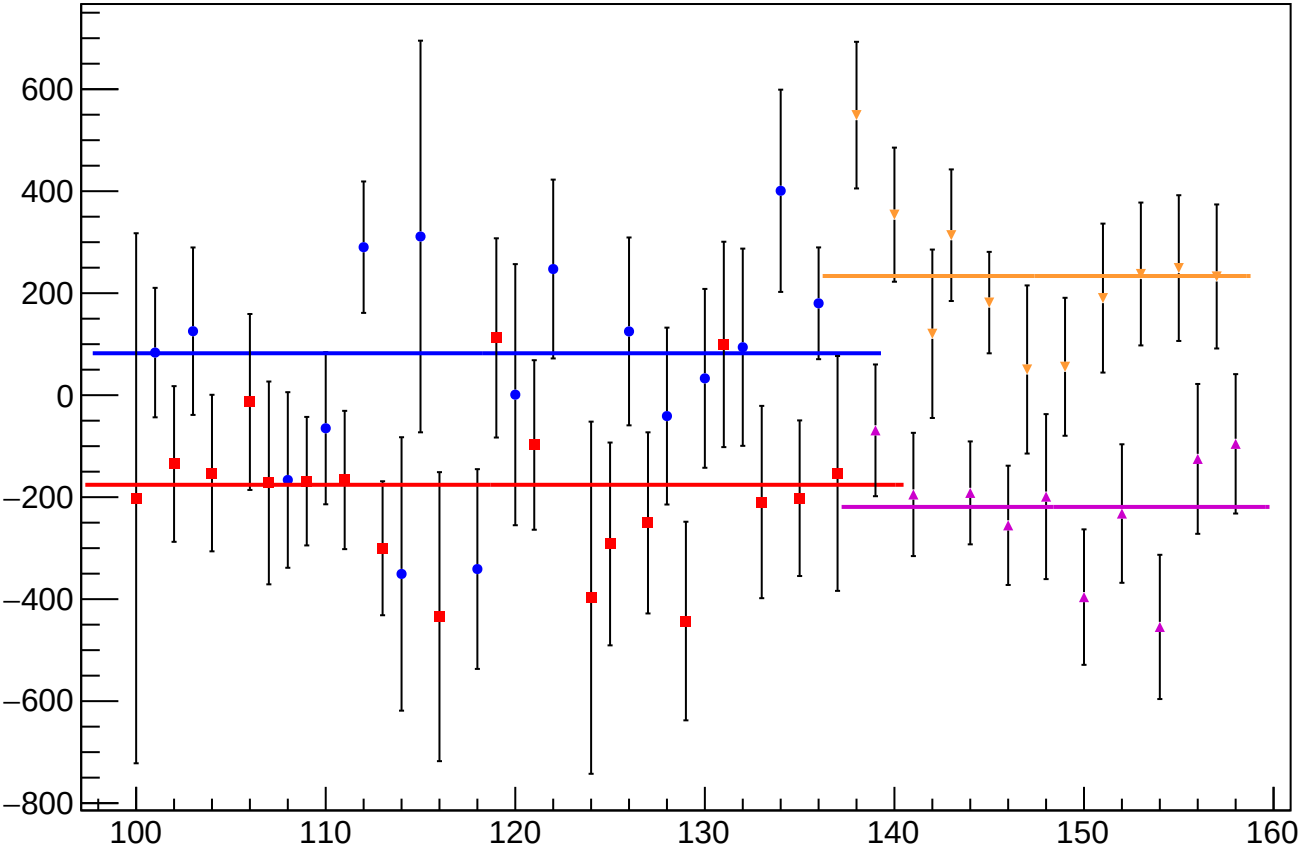
+ sign -0.000+/-0.000 χ^2/NDF: 42.0/26

All: -0.000+/-0.000 χ^2/NDF: 75.4/55

- sign -0.000+/-0.000 χ^2/NDF: 33.3/28


asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
40
35
30
25
20
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1598593.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1808691.6/10
Right Out: 0.000+/-0.000 χ²/NDF: 1672848.8/18
Left In: 0.000+/-0.000 χ²/NDF:679643.3/9
+ sign 0.000+/-0.000 χ²/NDF: 6013543.9/26
All: 0.000+/-0.000 χ²/NDF: 11284901.7/55
- sign 0.000+/-0.000 χ²/NDF: 4899915.2/28

reg_asym_sam_48_dd_mean vs Slug



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 233.701+/-41.086 χ^2/NDF:9.8/10

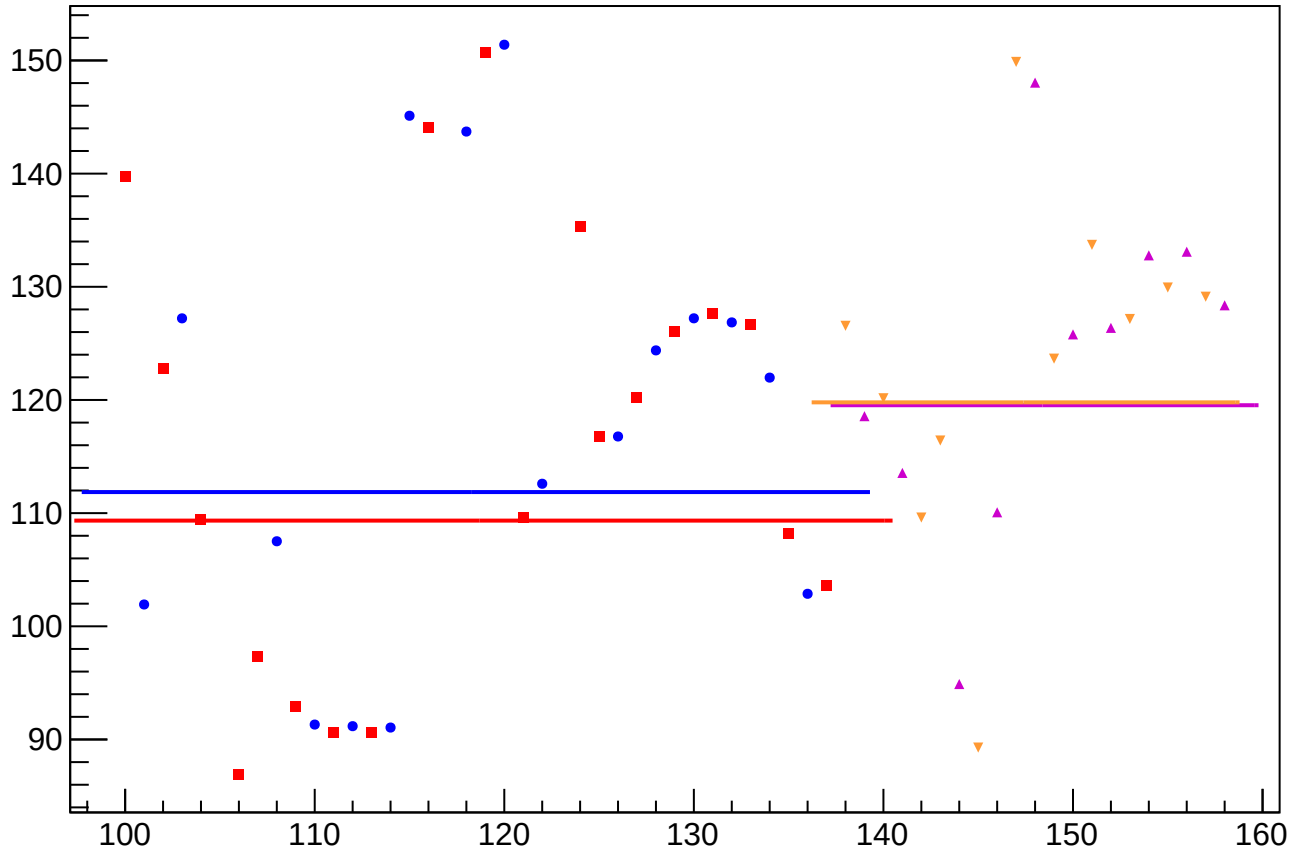
Right Out: -175.732+/-40.673 χ^2/NDF: 9.9/18

Left In: -219.117+/-40.871 χ^2/NDF:7.4/9

+ sign 159.855+/-29.415 χ^2/NDF: 34.8/26

All: -22.322+/-20.590 χ^2/NDF: 127.8/55

- sign -197.319+/-28.830 χ^2/NDF: 17.8/28



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 119.789+/-0.029 χ^2/NDF:312249.7/10

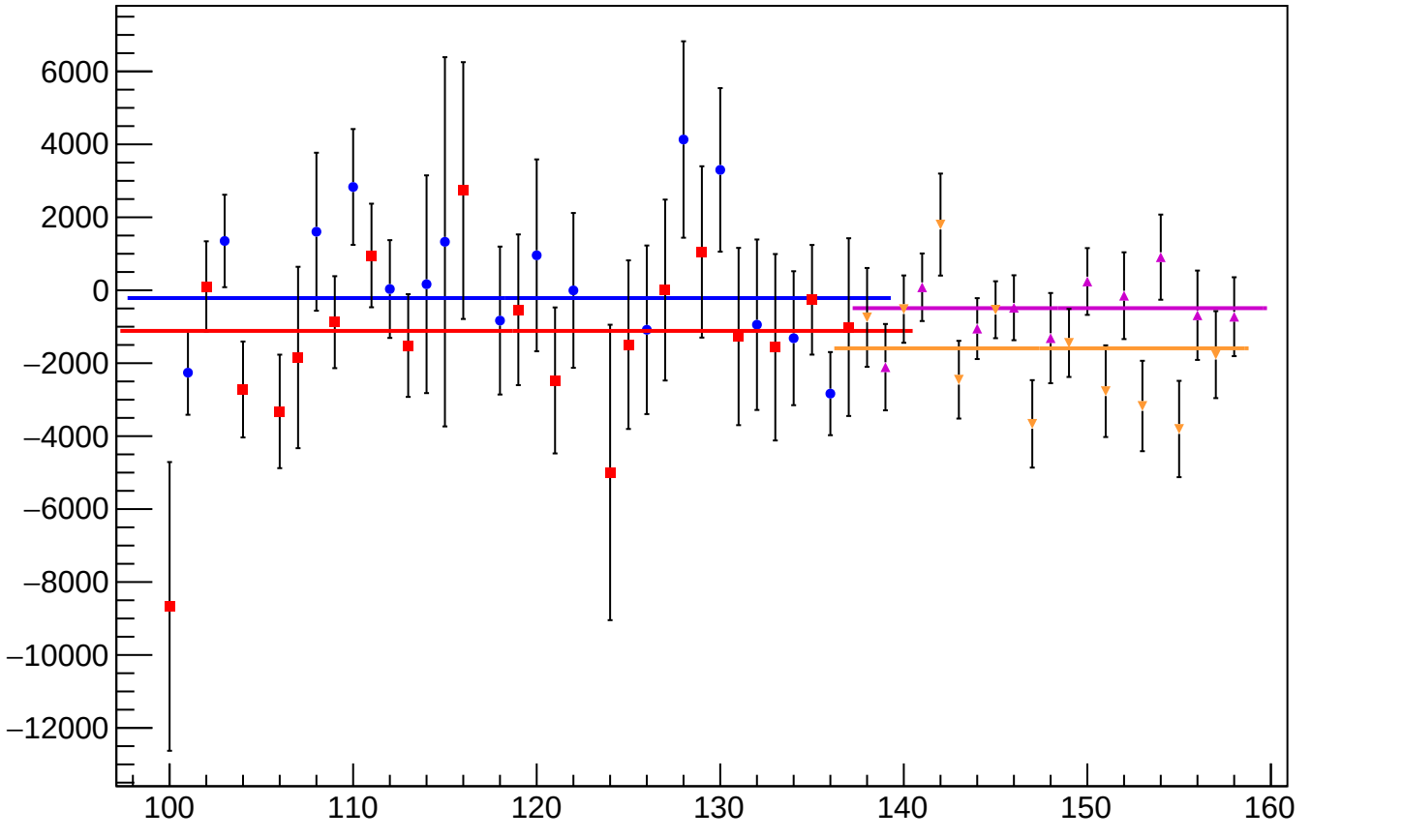
Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

Left In: 119.535+/-0.029 χ^2/NDF:251819.5/9

+ sign 115.925+/-0.021 χ^2/NDF: 654562.3/26

All: 115.154+/-0.015 χ^2/NDF: 1338823.2/55

- sign 114.413+/-0.020 χ^2/NDF: 681564.6/28



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -1591.962+/-330.437 χ^2/NDF:18.5/10

Right Out: -1114.700+/-423.039 χ^2/NDF: 14.5/18

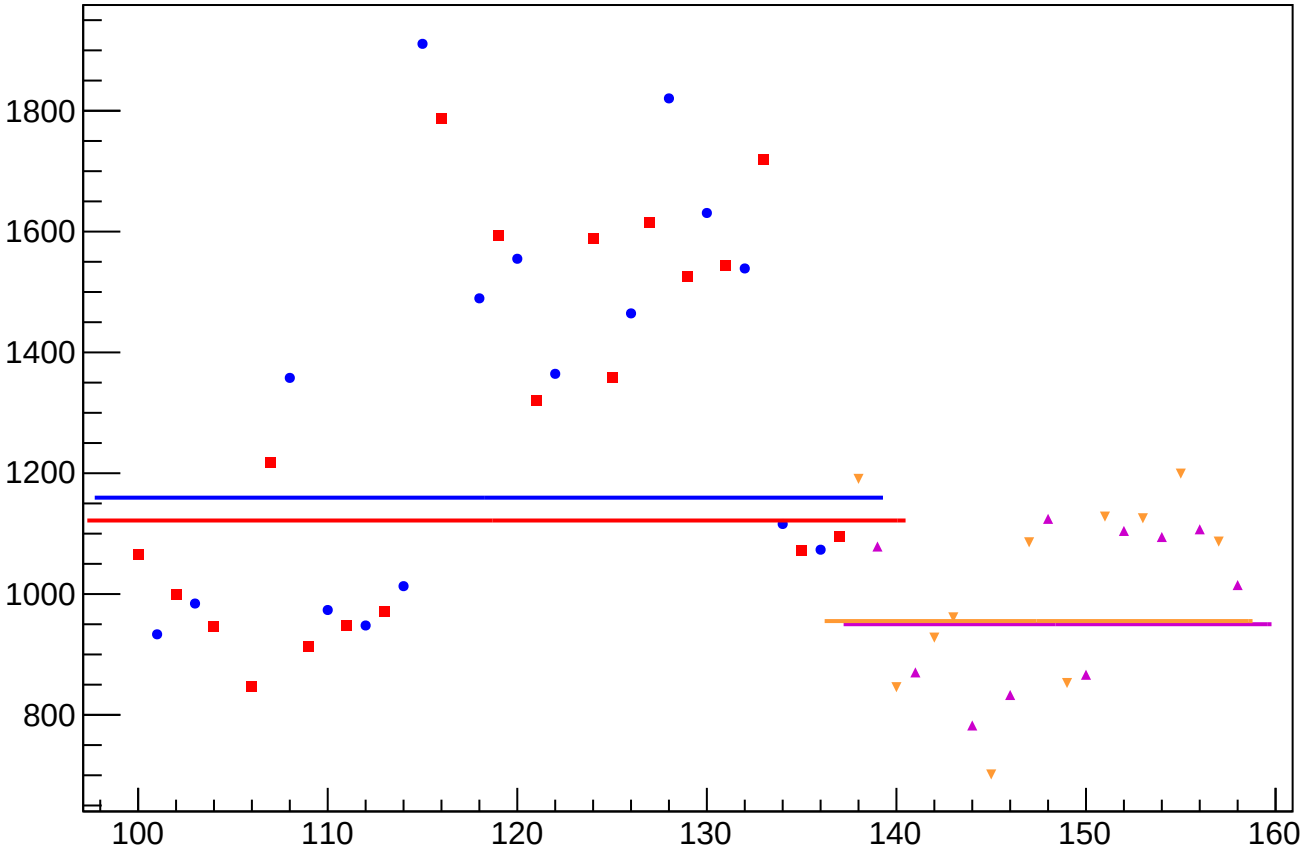
Left In: -491.663+/-326.388 χ^2/NDF:5.4/9

+ sign -1100.803+/-265.074 χ^2/NDF: 45.1/26

All: -907.684+/-185.037 χ^2/NDF: 67.4/55

- sign -724.146+/-258.415 χ^2/NDF: 21.3/28

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 955.261+/-0.234 χ^2/NDF:517127.9/10

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

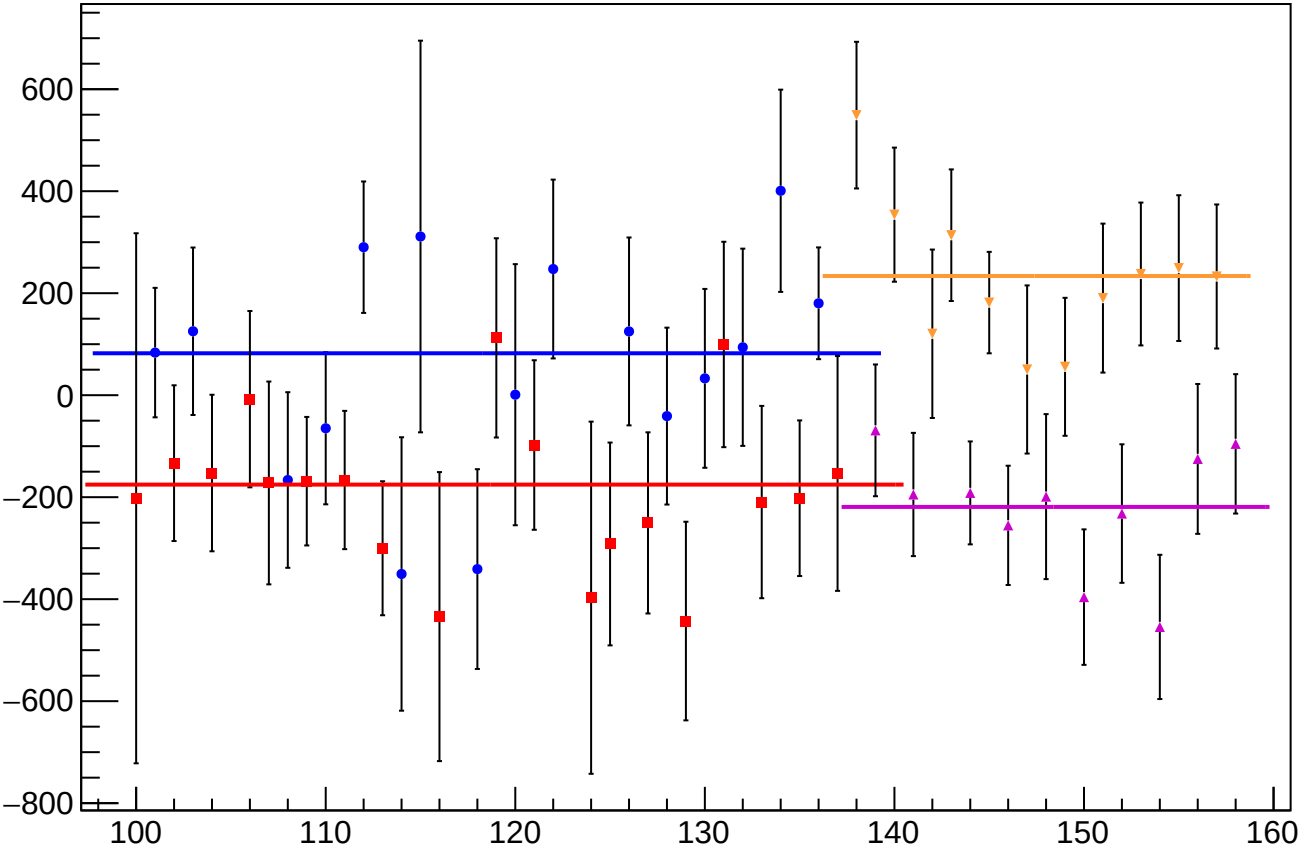
Left In: 950.064+/-0.231 χ^2/NDF:314655.7/9

+ sign 1028.093+/-0.187 χ^2/NDF: 1473378.6/26

All: 1020.933+/-0.131 χ^2/NDF: 2779651.5/55

- sign 1014.128+/-0.183 χ^2/NDF: 1303426.8/28

cor_asym_sam_48_dd_mean vs Slug



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 233.705+/-41.086 χ^2/NDF:9.8/10

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

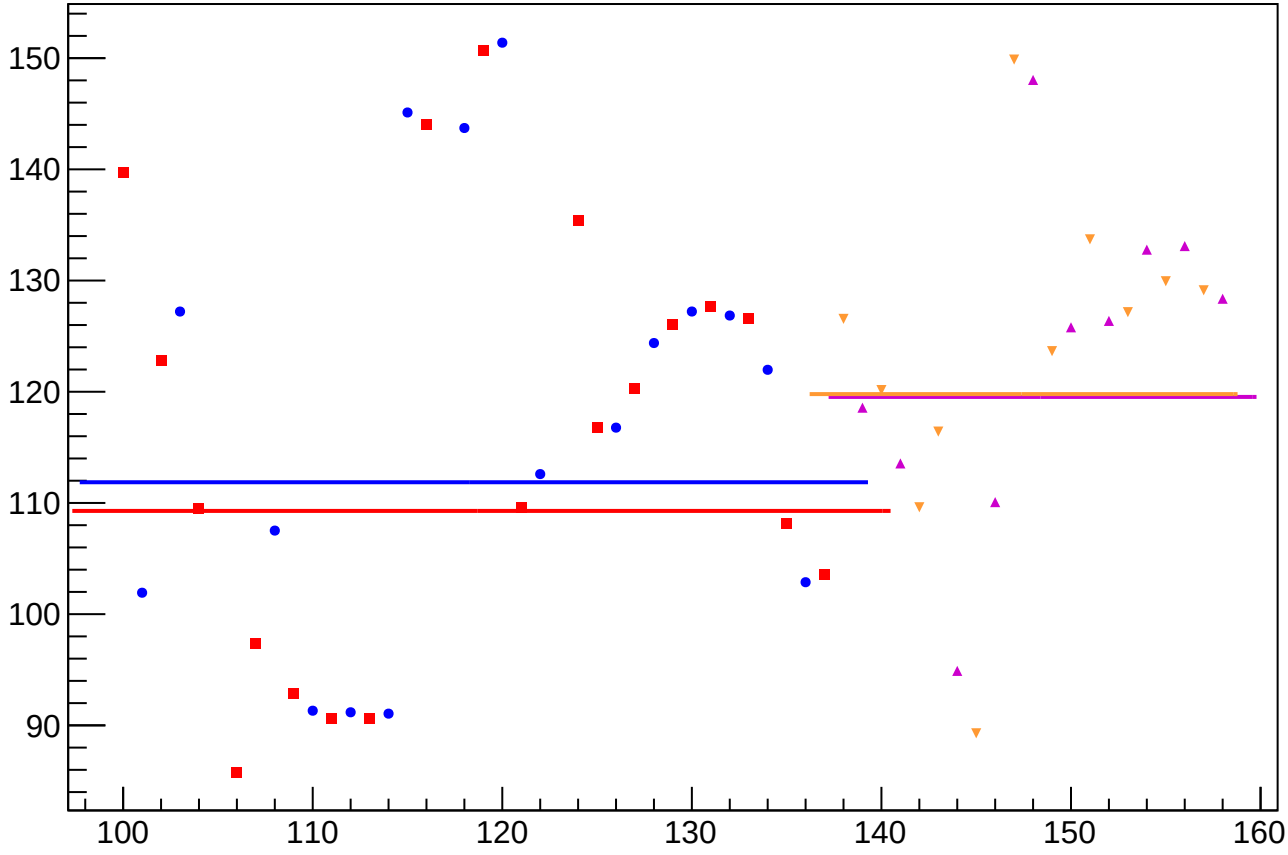
Left In: -219.120+/-40.871 χ^2/NDF:7.4/9

+ sign 159.852+/-29.415 χ^2/NDF: 34.9/26

All: -22.214+/-20.590 χ^2/NDF: 127.8/55

- sign -197.126+/-28.832 χ^2/NDF: 17.9/28

cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 119.789+/-0.029 χ^2/NDF:312249.7/10

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

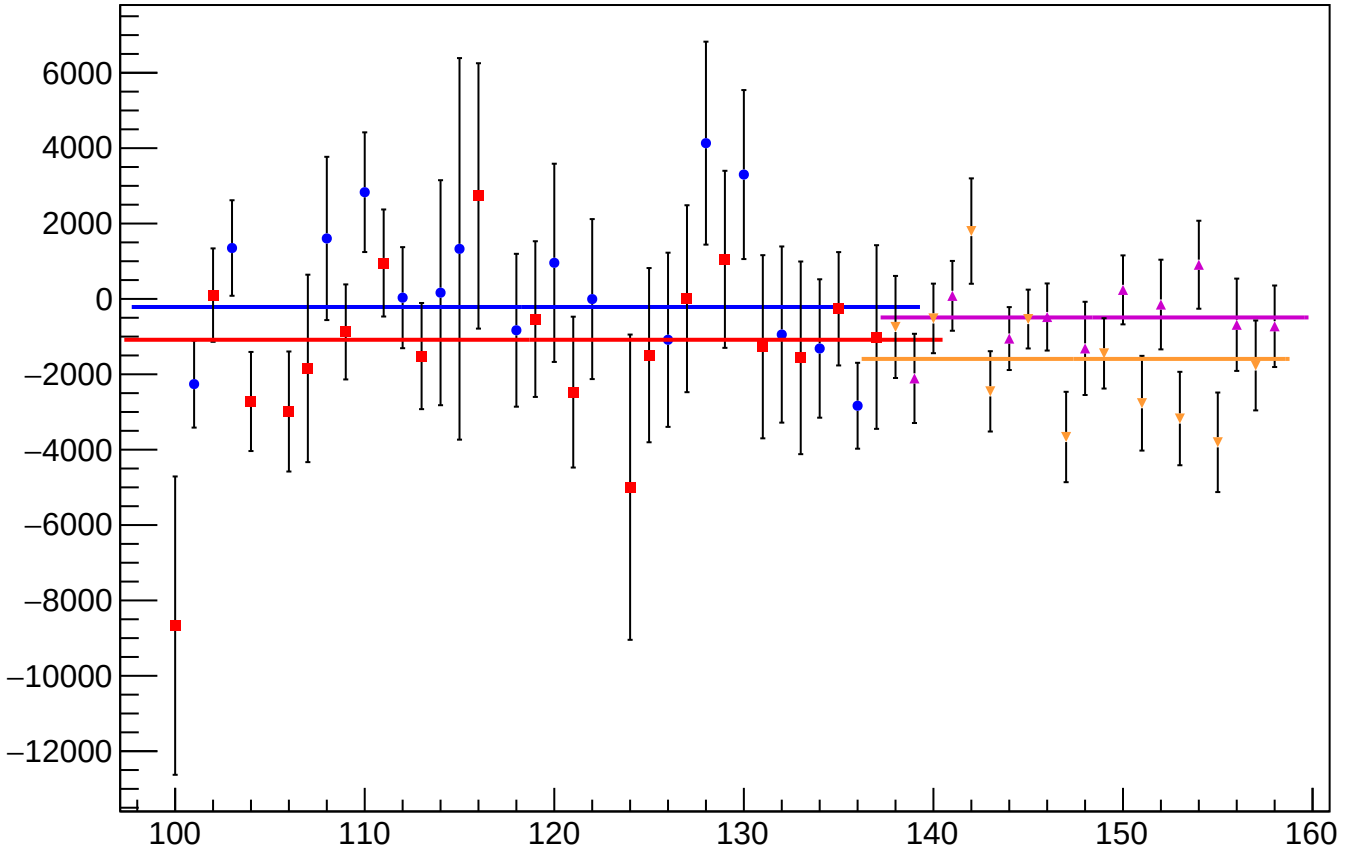
Left In: 119.535+/-0.029 χ^2/NDF:251819.5/9

+ sign 115.925+/-0.021 χ^2/NDF: 654563.2/26

All: 115.140+/-0.015 χ^2/NDF: 1343096.4/55

- sign 114.386+/-0.020 χ^2/NDF: 685738.1/28

asym_sam_48_dd_cor_correction_mean vs Slug



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1591.959+/-330.437 χ^2/NDF:18.5/10

Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

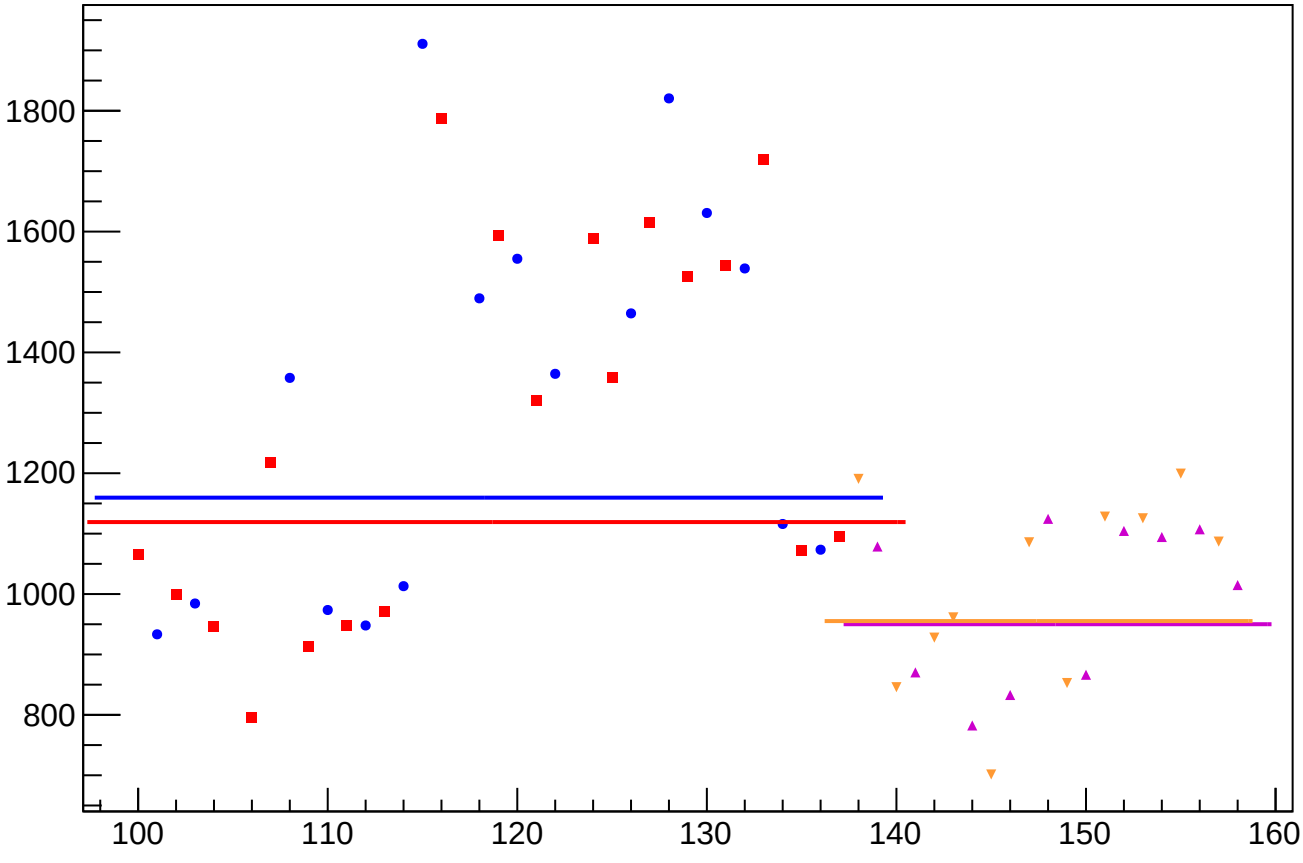
Left In: -491.670+/-326.388 χ^2/NDF:5.4/9

+ sign -1100.838+/-265.075 χ^2/NDF: 45.1/26

All: -901.698+/-185.098 χ^2/NDF: 66.7/55

- sign -712.192+/-258.583 χ^2/NDF: 20.5/28

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 955.261+/-0.234 χ^2/NDF:517129.8/10

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

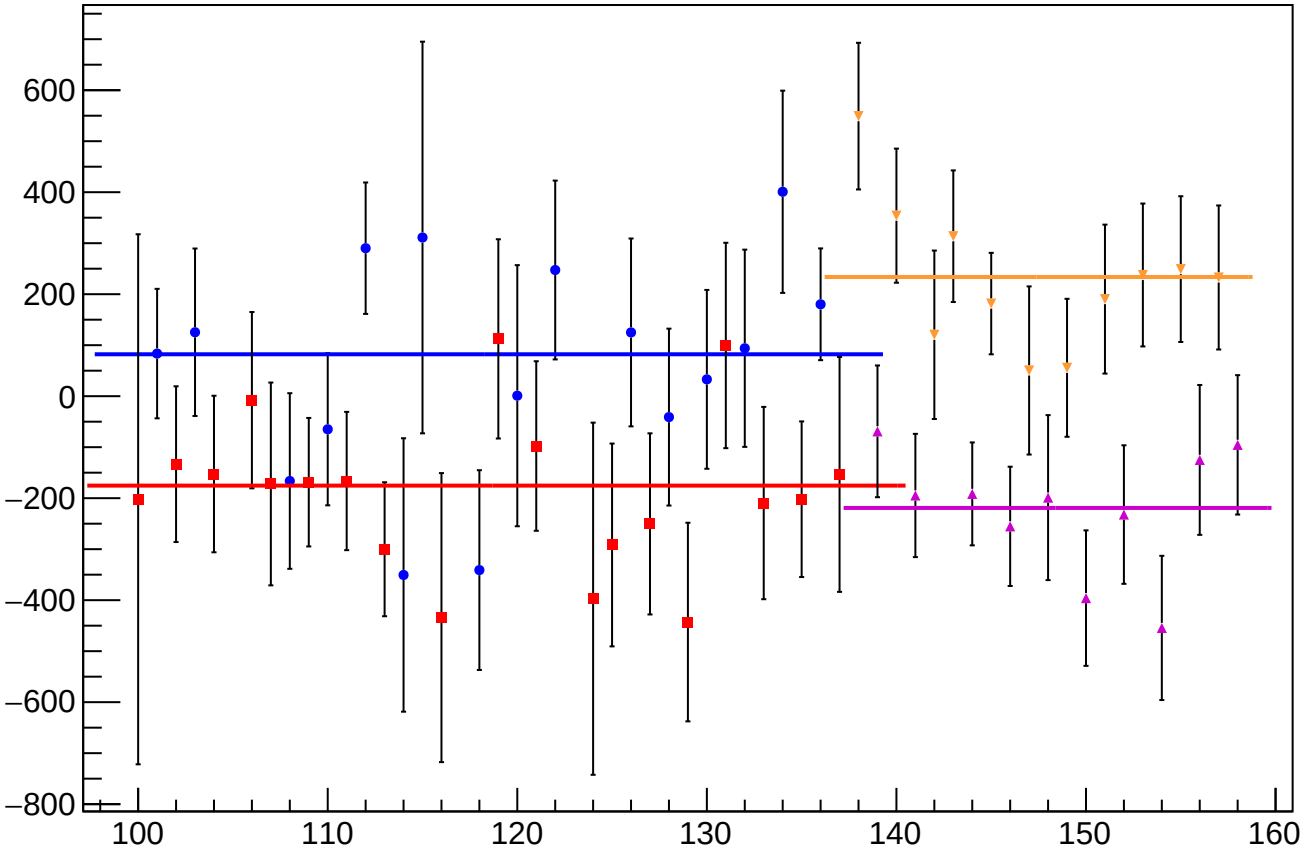
Left In: 950.064+/-0.231 χ^2/NDF:314653.3/9

+ sign 1028.096+/-0.187 χ^2/NDF: 1473373.4/26

All: 1020.372+/-0.131 χ^2/NDF: 2794358.0/55

- sign 1013.022+/-0.183 χ^2/NDF: 1317670.9/28

eigen_cor_asym_sam_48_dd_mean vs Slug



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 233.705+/-41.086 χ^2/NDF:9.8/10

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

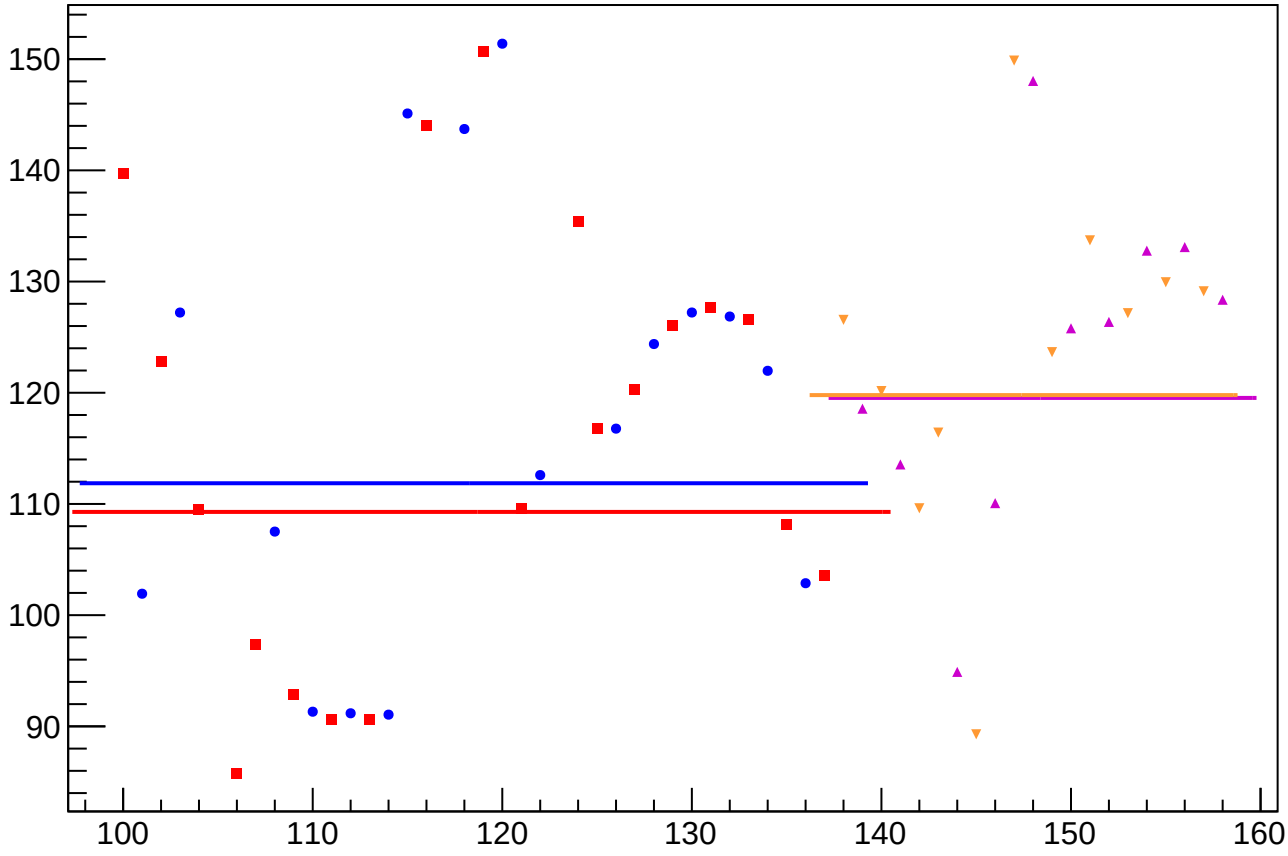
Left In: -219.120+/-40.871 χ^2/NDF:7.4/9

+ sign 159.852+/-29.415 χ^2/NDF: 34.9/26

All: -22.214+/-20.590 χ^2/NDF: 127.8/55

- sign -197.126+/-28.832 χ^2/NDF: 17.9/28

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 119.789+/-0.029 χ^2/NDF:312249.7/10

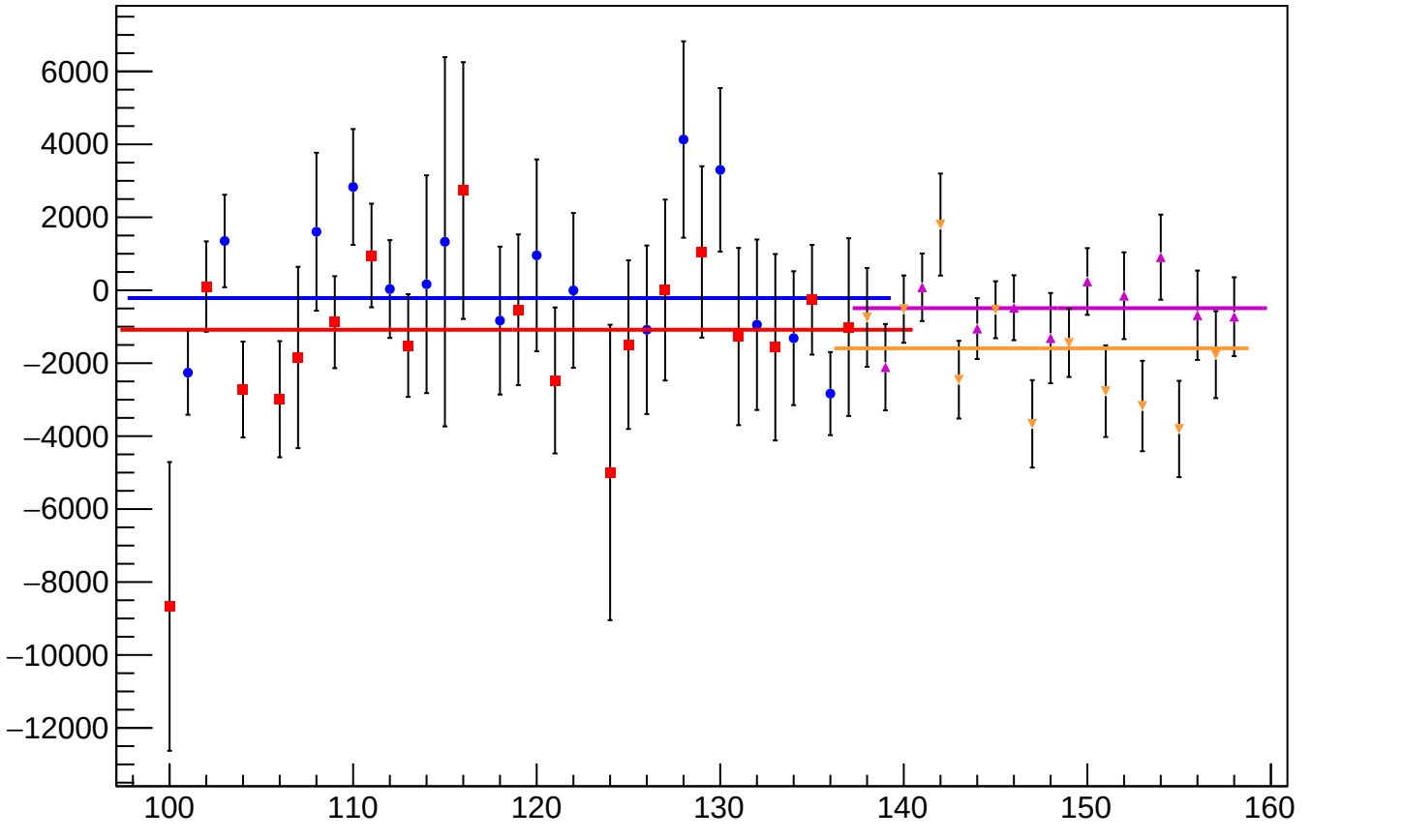
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 119.535+/-0.029 χ^2/NDF:251819.5/9

+ sign 115.925+/-0.021 χ^2/NDF: 654563.2/26

All: 115.140+/-0.015 χ^2/NDF: 1343096.4/55

- sign 114.386+/-0.020 χ^2/NDF: 685738.1/28



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1591.959+/-330.437 χ^2/NDF:18.5/10

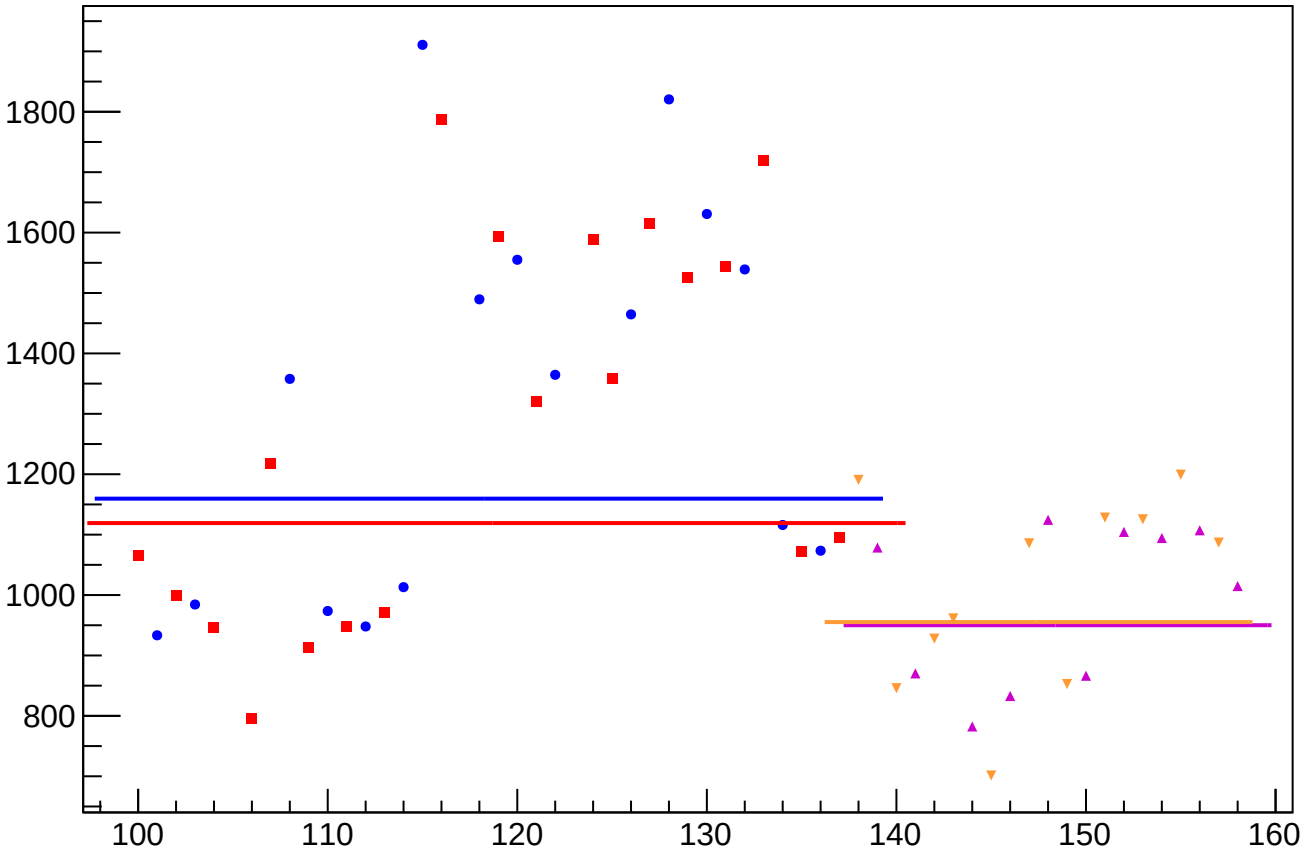
Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: -491.670+/-326.388 χ^2/NDF:5.4/9

+ sign -1100.838+/-265.075 χ^2/NDF: 45.1/26

All: -901.698+/-185.098 χ^2/NDF: 66.7/55

- sign -712.192+/-258.583 χ^2/NDF: 20.5/28



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 955.261+/-0.234 χ^2/NDF:517129.8/10

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

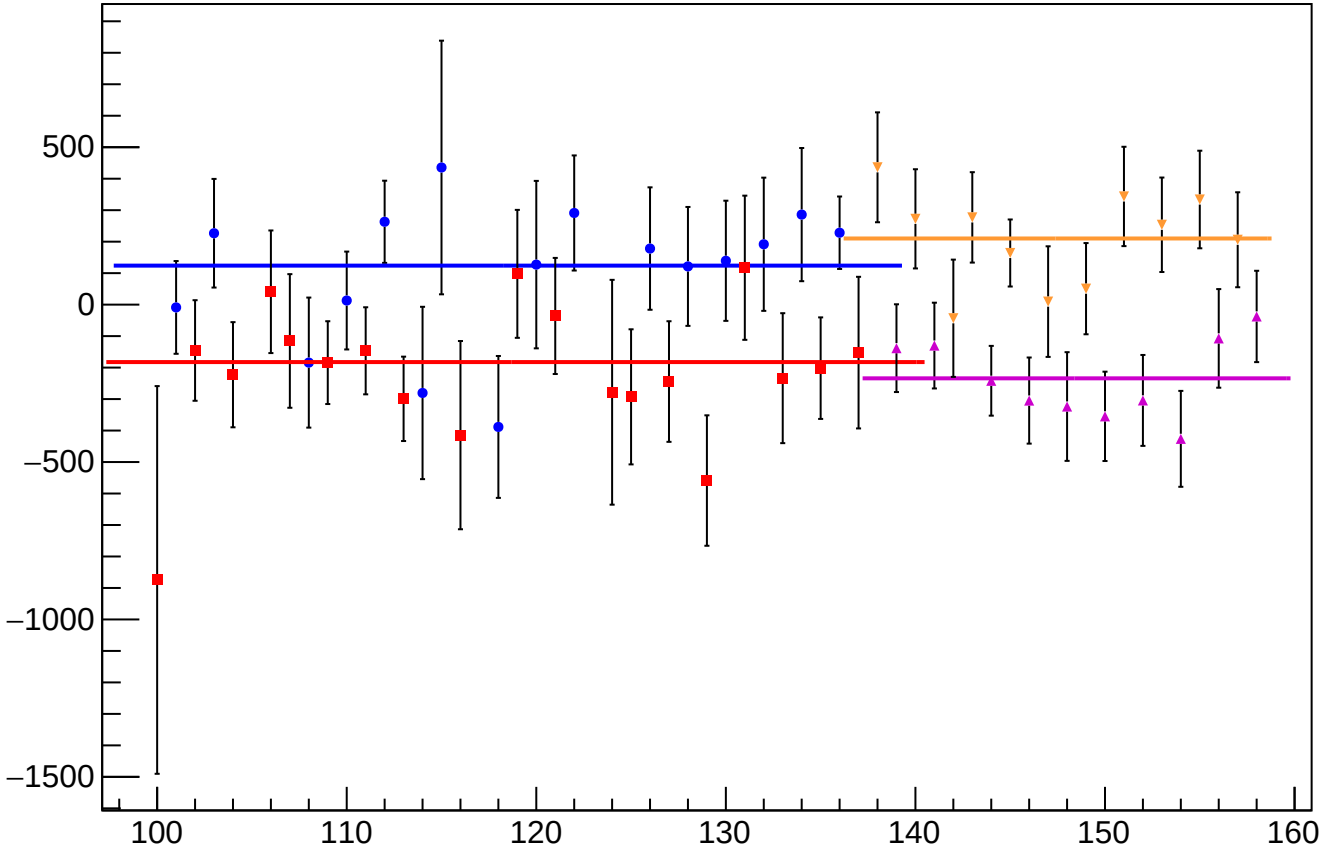
Left In: 950.064+/-0.231 χ^2/NDF:314653.3/9

+ sign 1028.096+/-0.187 χ^2/NDF: 1473373.4/26

All: 1020.372+/-0.131 χ^2/NDF: 2794358.0/55

- sign 1013.022+/-0.183 χ^2/NDF: 1317670.9/28

dit_asym_sam_48_dd_mean vs Slug



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 210.086+/-45.226 χ^2/NDF:8.0/10

Right Out: -182.467+/-43.224 χ^2/NDF: 12.3/18

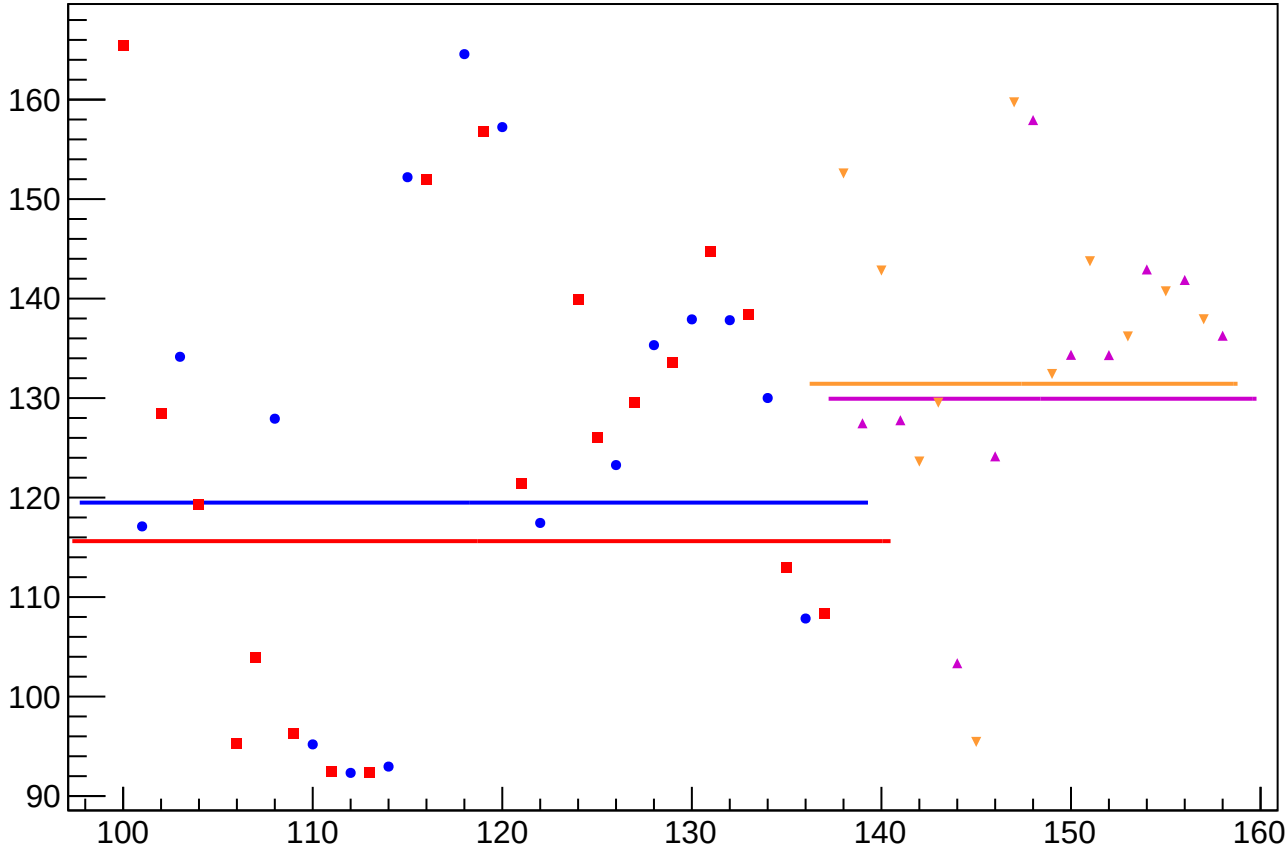
Left In: -234.131+/-44.595 χ^2/NDF:6.6/9

+ sign 167.001+/-31.984 χ^2/NDF: 25.3/26

All: -25.867+/-22.274 χ^2/NDF: 115.5/55

- sign -207.493+/-31.038 χ^2/NDF: 19.6/28

dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 131.439+/-0.032 χ^2/NDF:349284.2/10

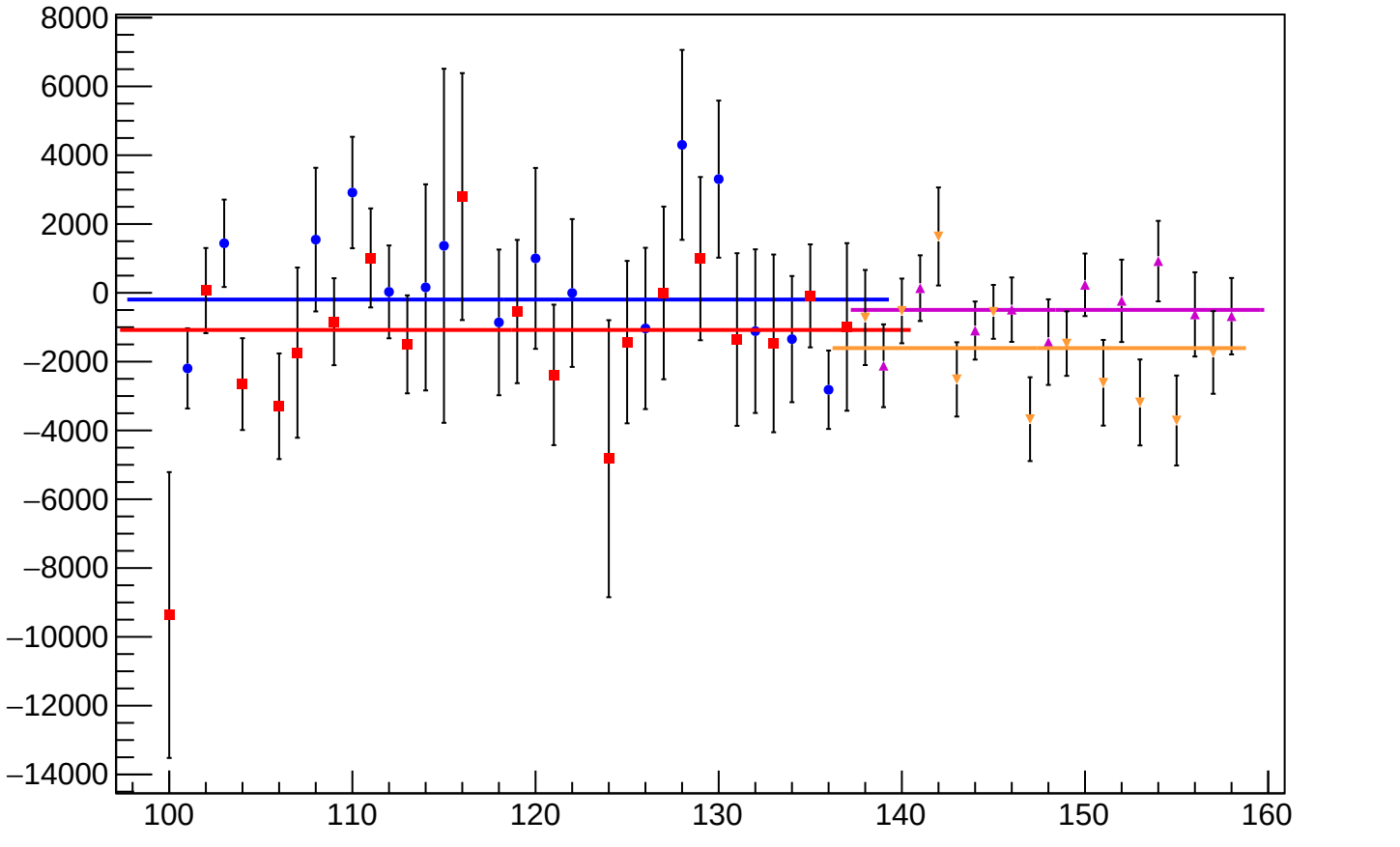
Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 129.934+/-0.032 χ^2/NDF:206236.7/9

+ sign 125.468+/-0.023 χ^2/NDF: 799263.6/26

All: 123.968+/-0.016 χ^2/NDF: 1547230.4/55

- sign 122.555+/-0.022 χ^2/NDF: 739419.3/28



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1607.072+/-333.125 χ^2/NDF:17.2/10

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

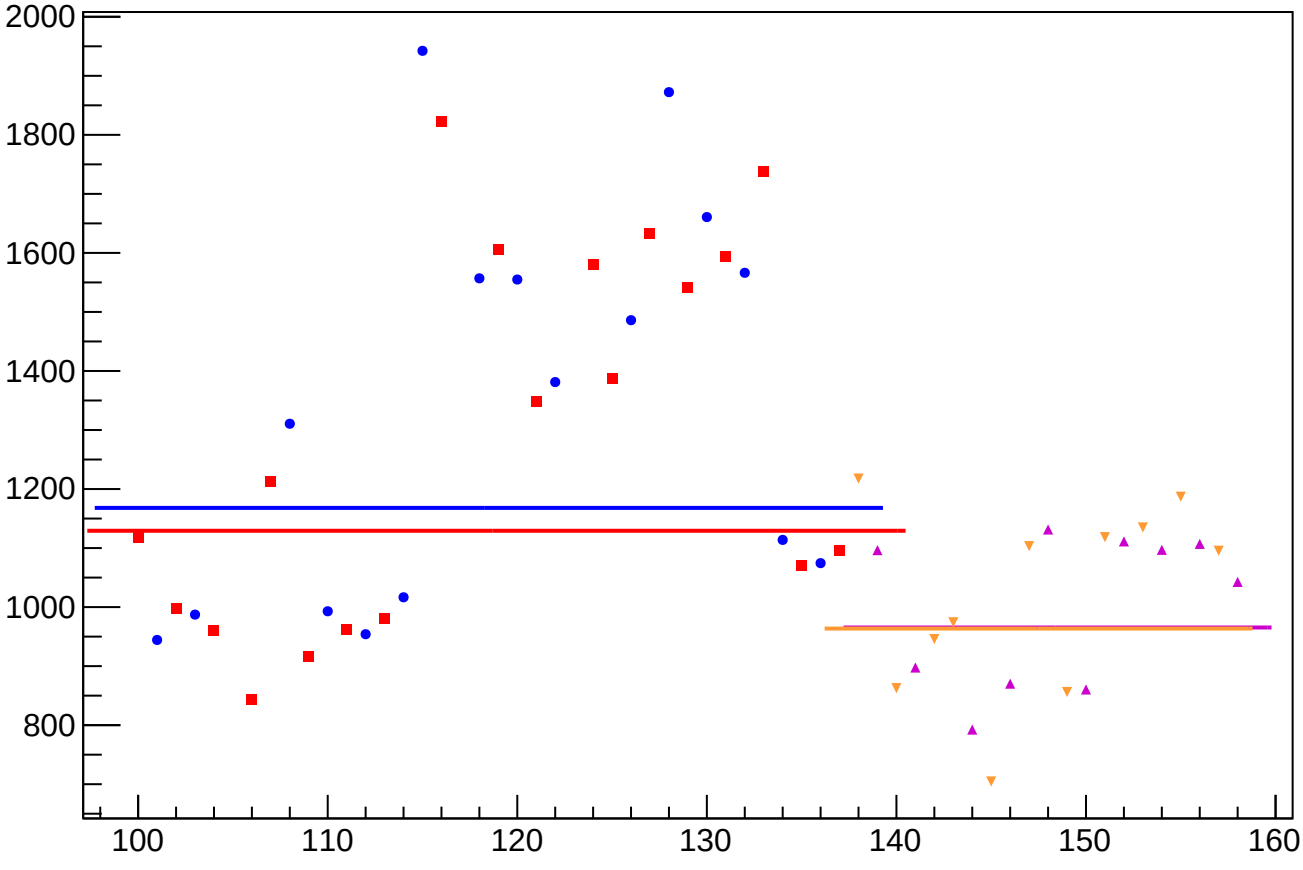
Left In: -496.205+/-331.590 χ^2/NDF:5.5/9

+ sign -1103.370+/-267.180 χ^2/NDF: 44.0/26

All: -905.774+/-186.940 χ^2/NDF: 66.3/55

- sign -716.267+/-261.653 χ^2/NDF: 21.3/28

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 963.674+/-0.236 χ^2/NDF:513522.5/10

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

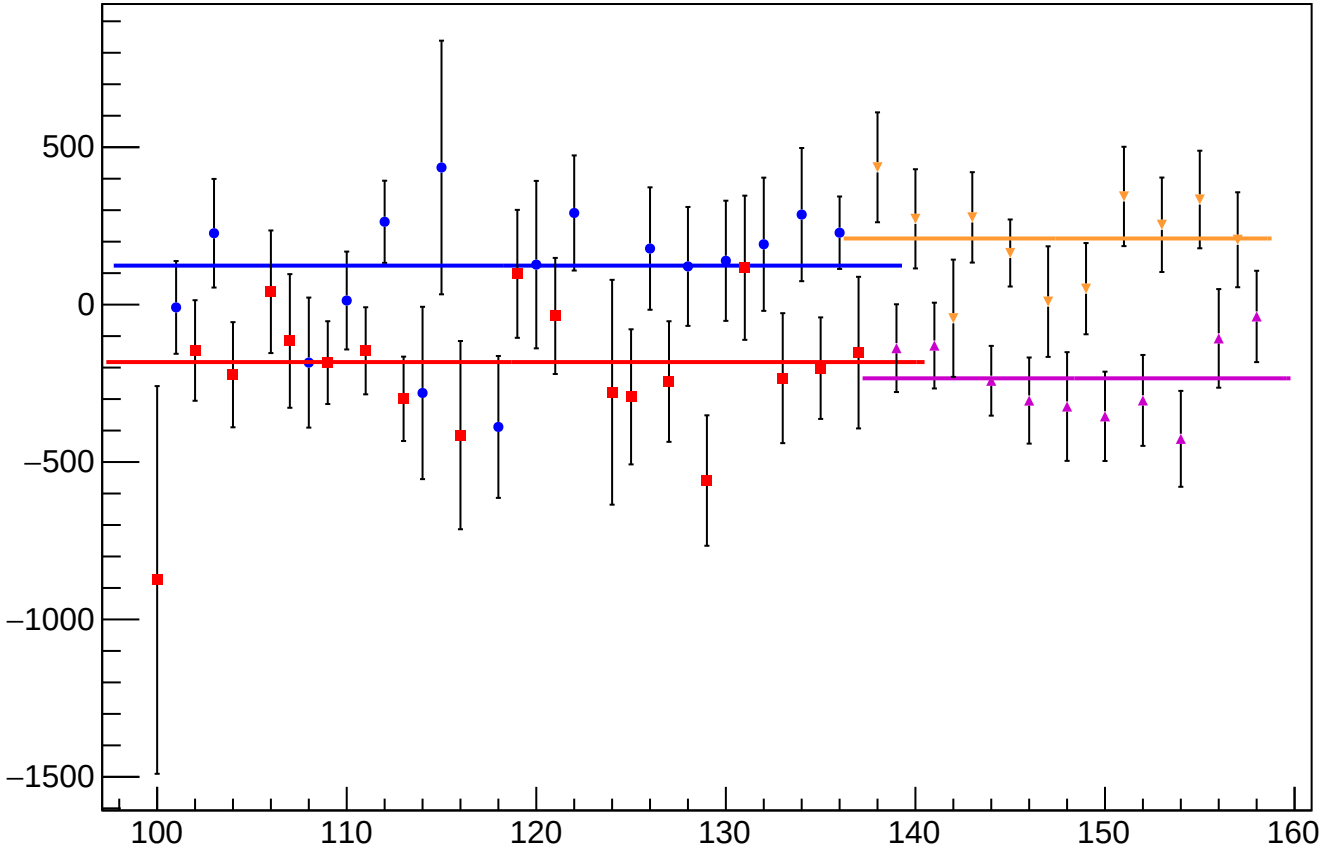
Left In: 965.454+/-0.234 χ^2/NDF:292126.3/9

+ sign 1036.586+/-0.189 χ^2/NDF: 1491464.6/26

All: 1031.839+/-0.132 χ^2/NDF: 2776348.5/55

- sign 1027.286+/-0.185 χ^2/NDF: 1283646.9/28

eigen_dit_asym_sam_48_dd_mean vs Slug



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 210.087+/-45.226 χ^2/NDF:8.0/10

Right Out: -182.468+/-43.224 χ^2/NDF: 12.3/18

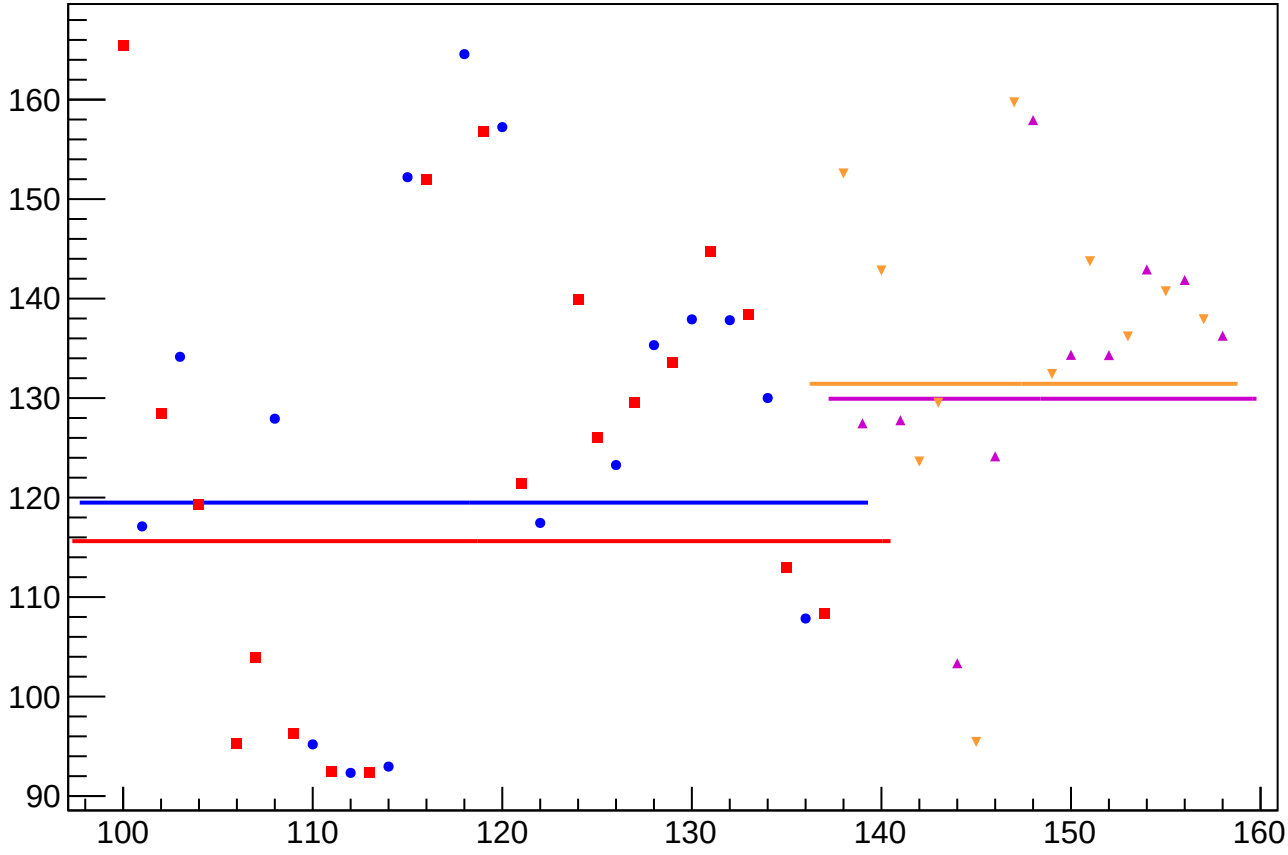
Left In: -234.132+/-44.595 χ^2/NDF:6.6/9

+ sign 167.003+/-31.984 χ^2/NDF: 25.3/26

All: -25.866+/-22.274 χ^2/NDF: 115.5/55

- sign -207.493+/-31.038 χ^2/NDF: 19.6/28

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 131.439+/-0.032 χ^2/NDF:349282.4/10

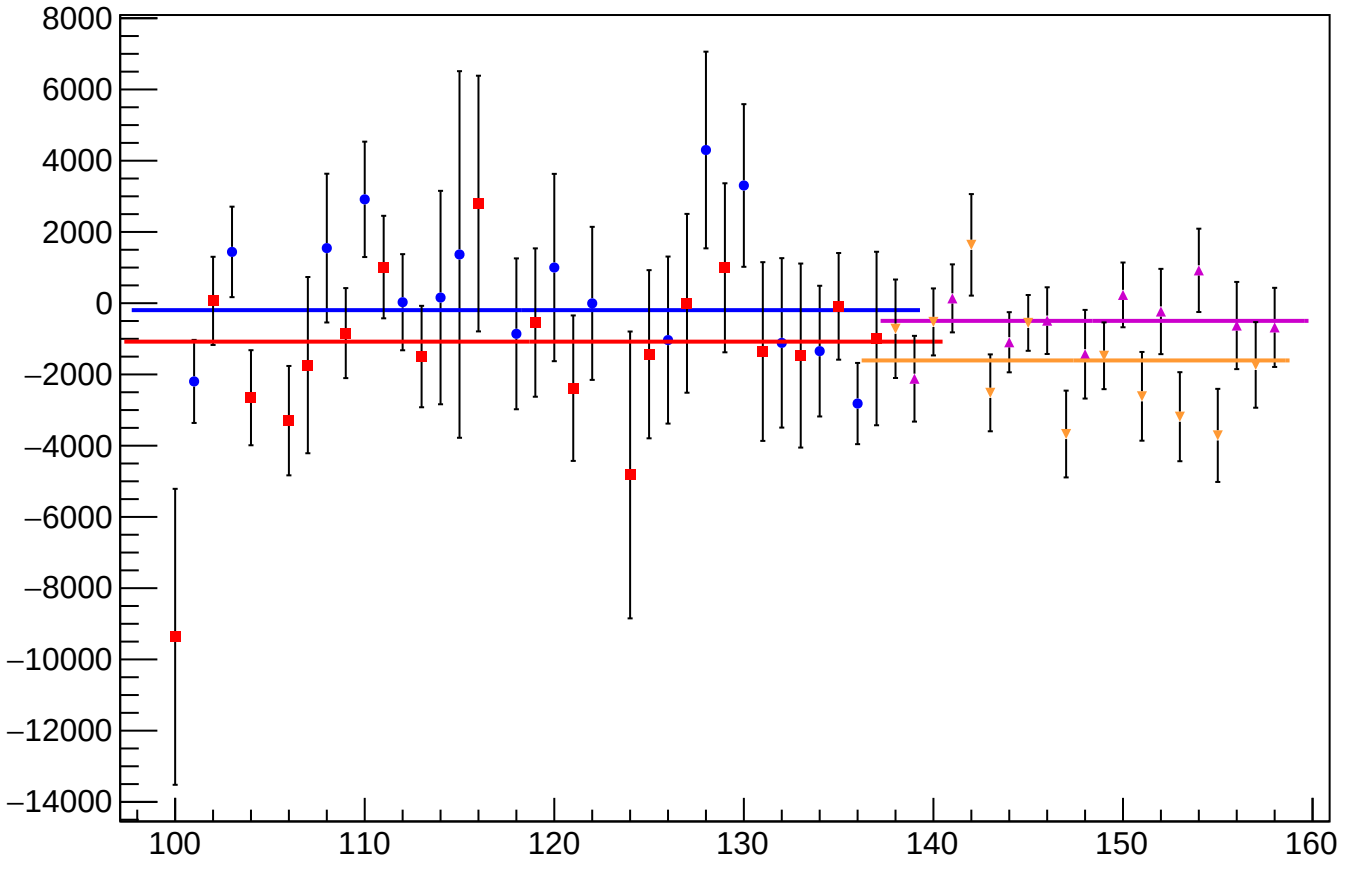
Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 129.934+/-0.032 χ^2/NDF:206235.3/9

+ sign 125.468+/-0.023 χ^2/NDF: 799265.6/26

All: 123.968+/-0.016 χ^2/NDF: 1547237.6/55

- sign 122.555+/-0.022 χ^2/NDF: 739424.4/28



Right In: -195.085+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1607.070+/-333.125 χ^2/NDF:17.2/10

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

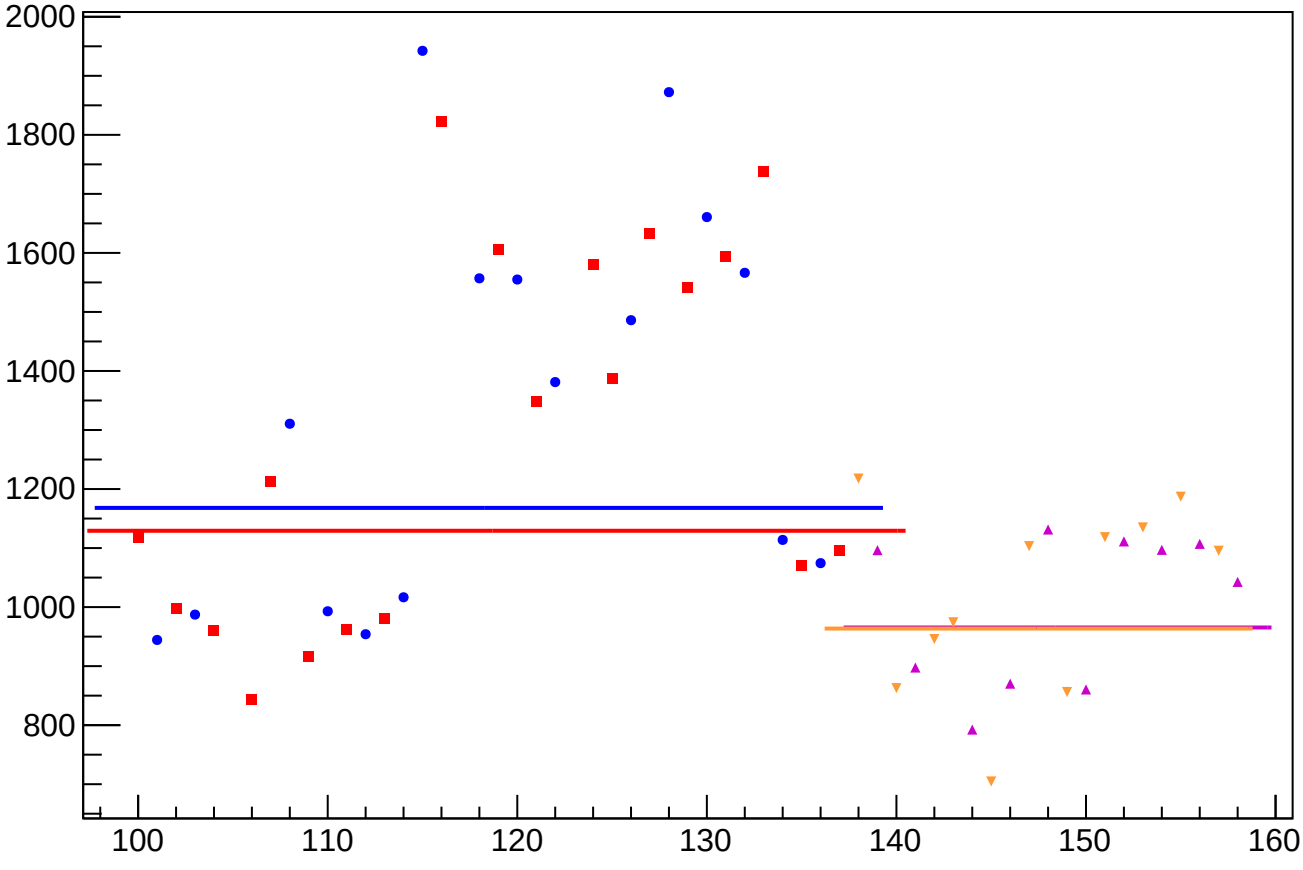
Left In: -496.205+/-331.590 χ^2/NDF:5.5/9

+ sign -1103.368+/-267.180 χ^2/NDF: 44.0/26

All: -905.773+/-186.940 χ^2/NDF: 66.3/55

- sign -716.267+/-261.653 χ^2/NDF: 21.3/28

asym_sam_48_dd_eigen_dit_correction_rms vs Slug



Right In: 1168.063+/-0.316 χ^2/NDF: 709365.6/15

Left Out: 963.673+/-0.236 χ^2/NDF:513525.7/10

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

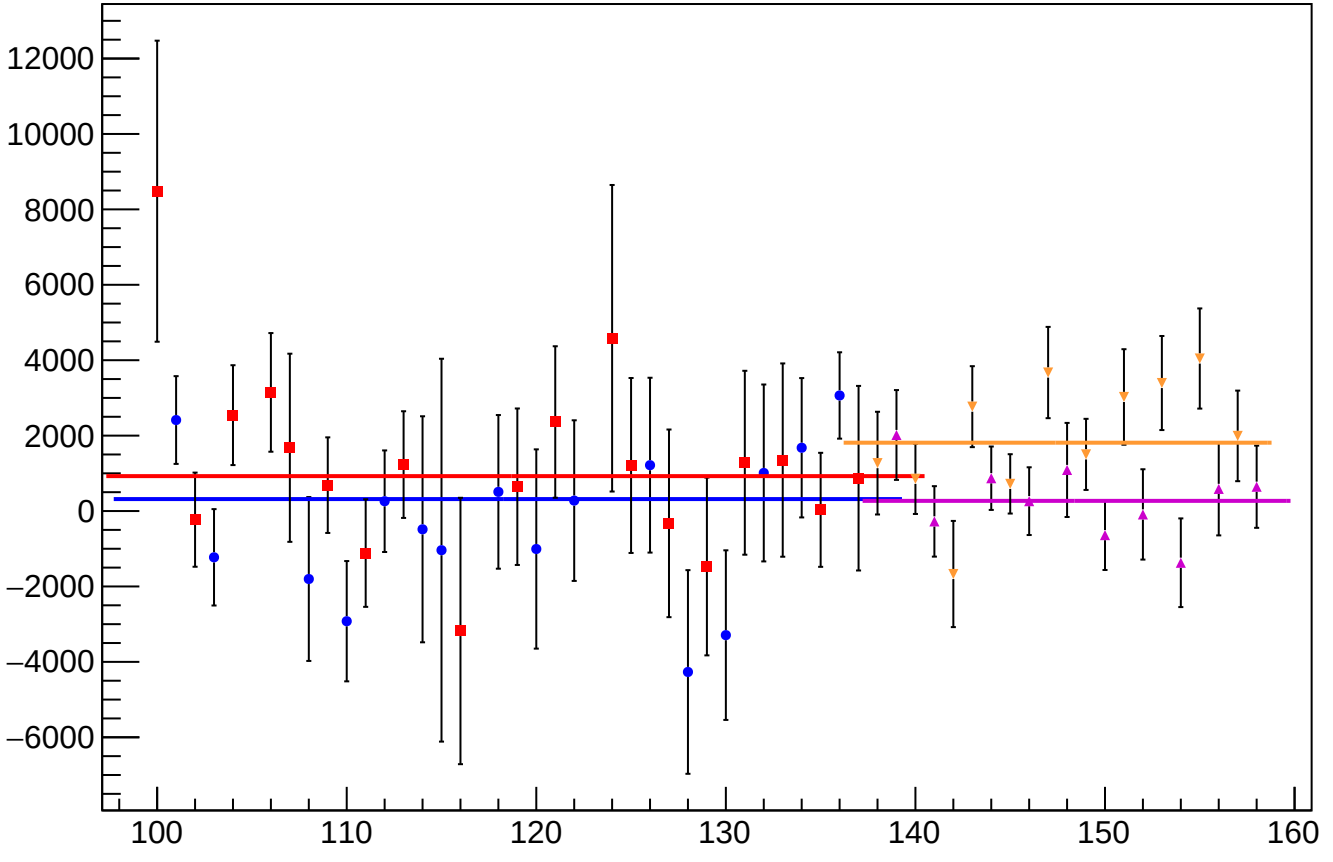
Left In: 965.454+/-0.234 χ^2/NDF:292124.3/9

+ sign 1036.586+/-0.189 χ^2/NDF: 1491471.6/26

All: 1031.839+/-0.132 χ^2/NDF: 2776354.6/55

- sign 1027.286+/-0.185 χ^2/NDF: 1283646.2/28

asym_sam_48_dd_mean vs Slug



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

Left Out: 1812.499+/-333.139 χ^2/NDF:17.9/10

Right Out: 926.036+/-425.405 χ^2/NDF: 14.5/18

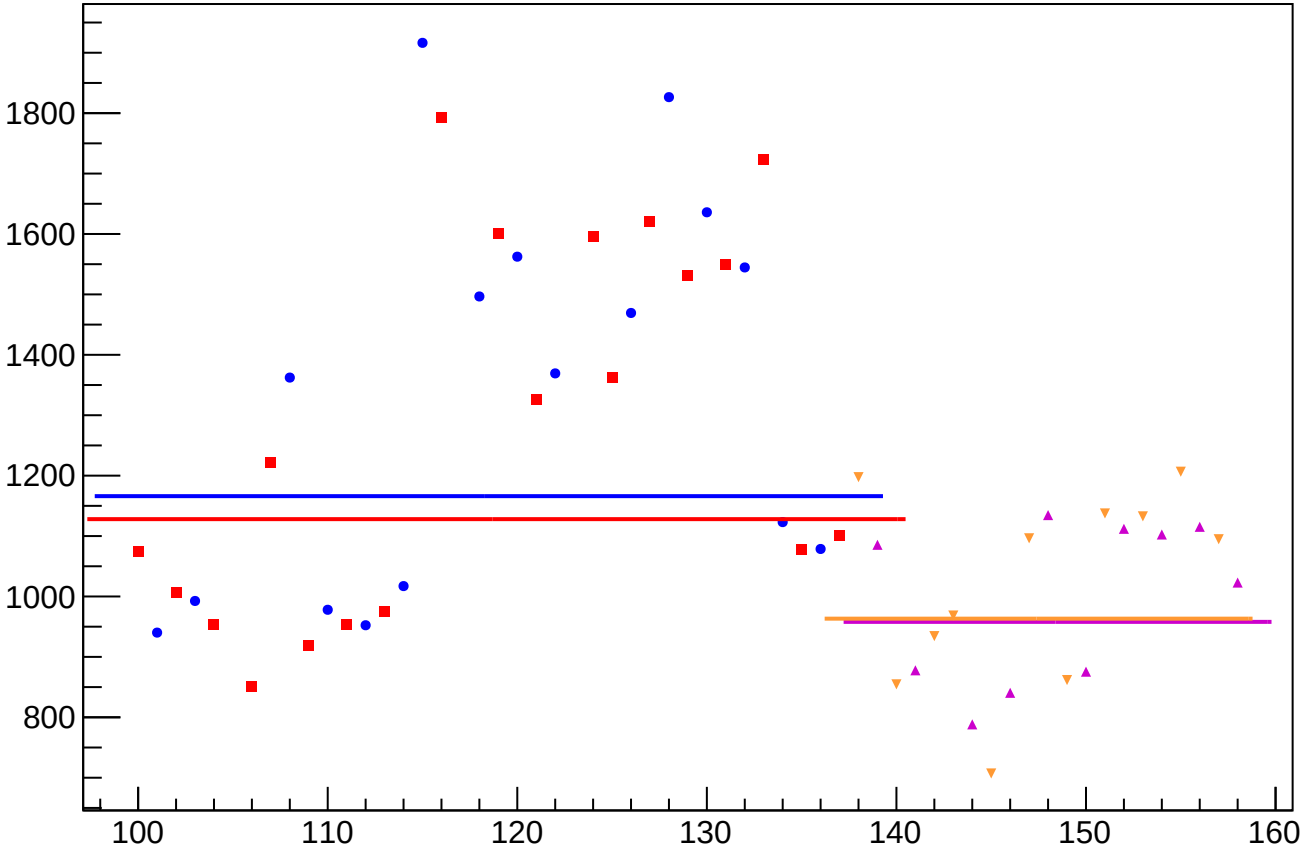
Left In: 269.862+/-329.055 χ^2/NDF:6.6/9

+ sign 1277.581+/-266.974 χ^2/NDF: 47.3/26

All: 886.861+/-186.367 χ^2/NDF: 74.1/55

- sign 515.496+/-260.278 χ^2/NDF: 22.6/28

asym_sam_48_dd_rms vs Slug



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 963.287+/-0.236 χ^2/NDF:512428.9/10

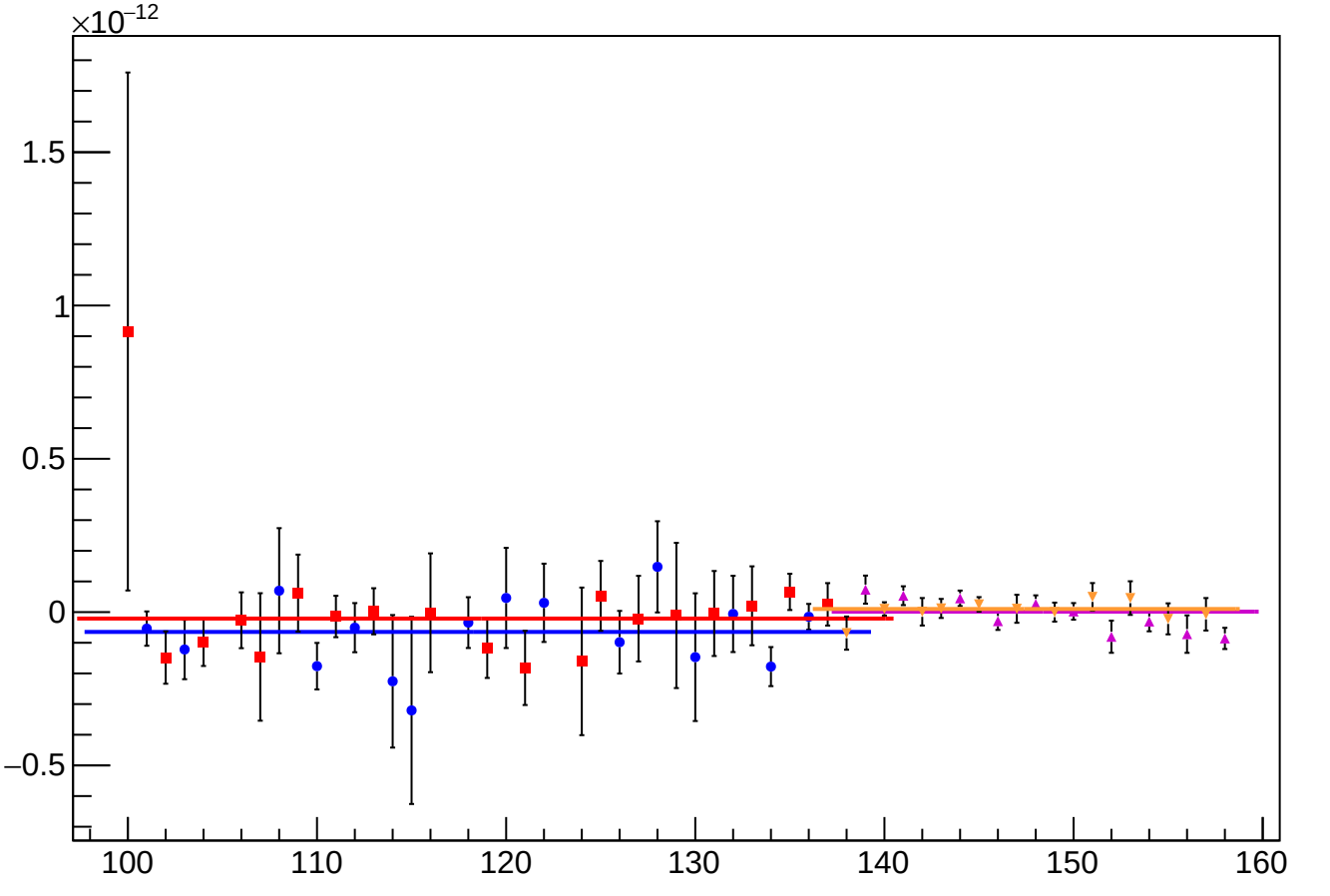
Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 957.972+/-0.233 χ^2/NDF:312320.7/9

+ sign 1035.832+/-0.189 χ^2/NDF: 1454580.4/26

All: 1028.547+/-0.132 χ^2/NDF: 2745482.6/55

- sign 1021.623+/-0.184 χ^2/NDF: 1287997.5/28



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.4/10

Right Out: -0.000+/-0.000 χ^2/NDF: 11.5/18

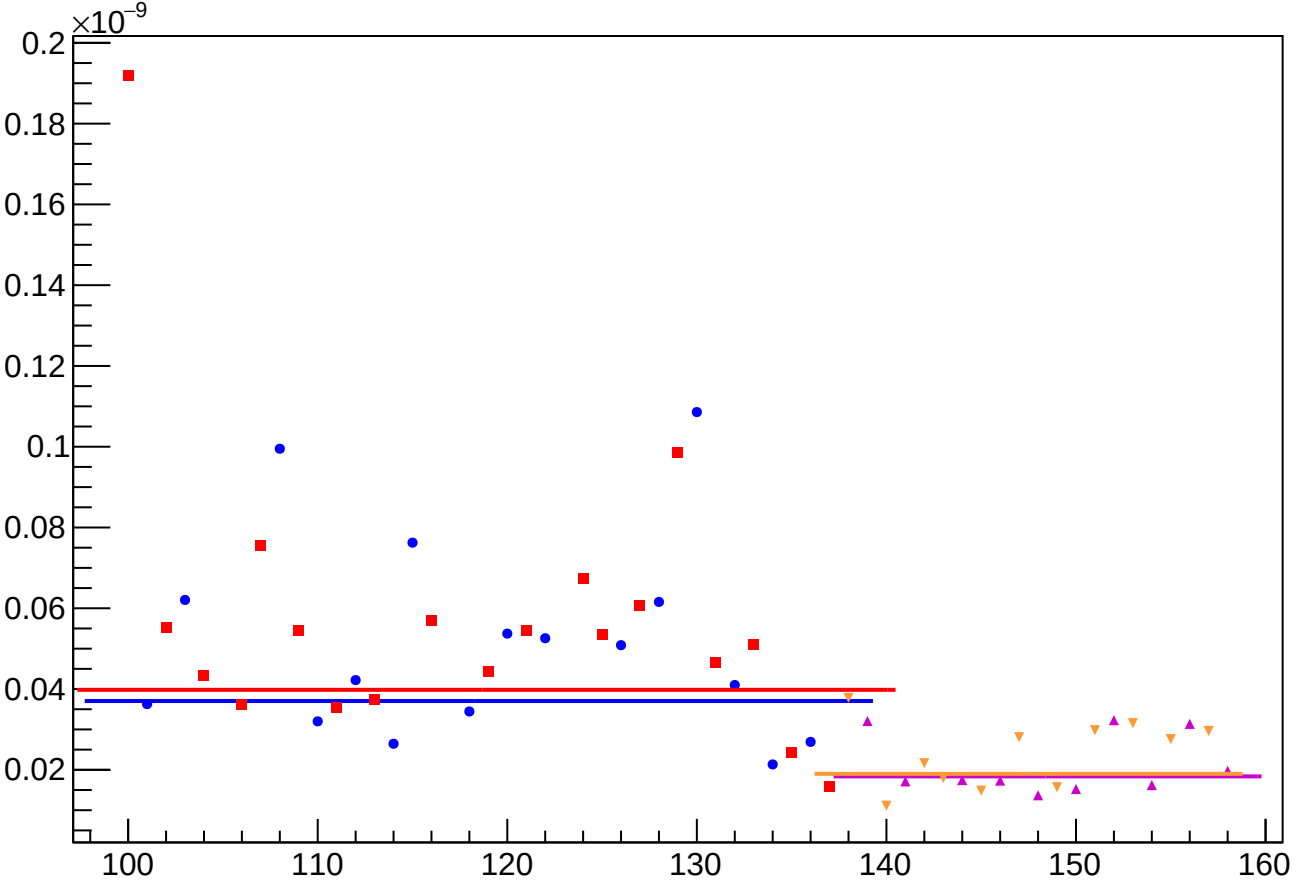
Left In: 0.000+/-0.000 χ^2/NDF:21.5/9

+ sign -0.000+/-0.000 χ^2/NDF: 26.4/26

All: -0.000+/-0.000 χ^2/NDF: 60.1/55

- sign -0.000+/-0.000 χ^2/NDF: 33.8/28

asym_sam_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 995390.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1035412.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

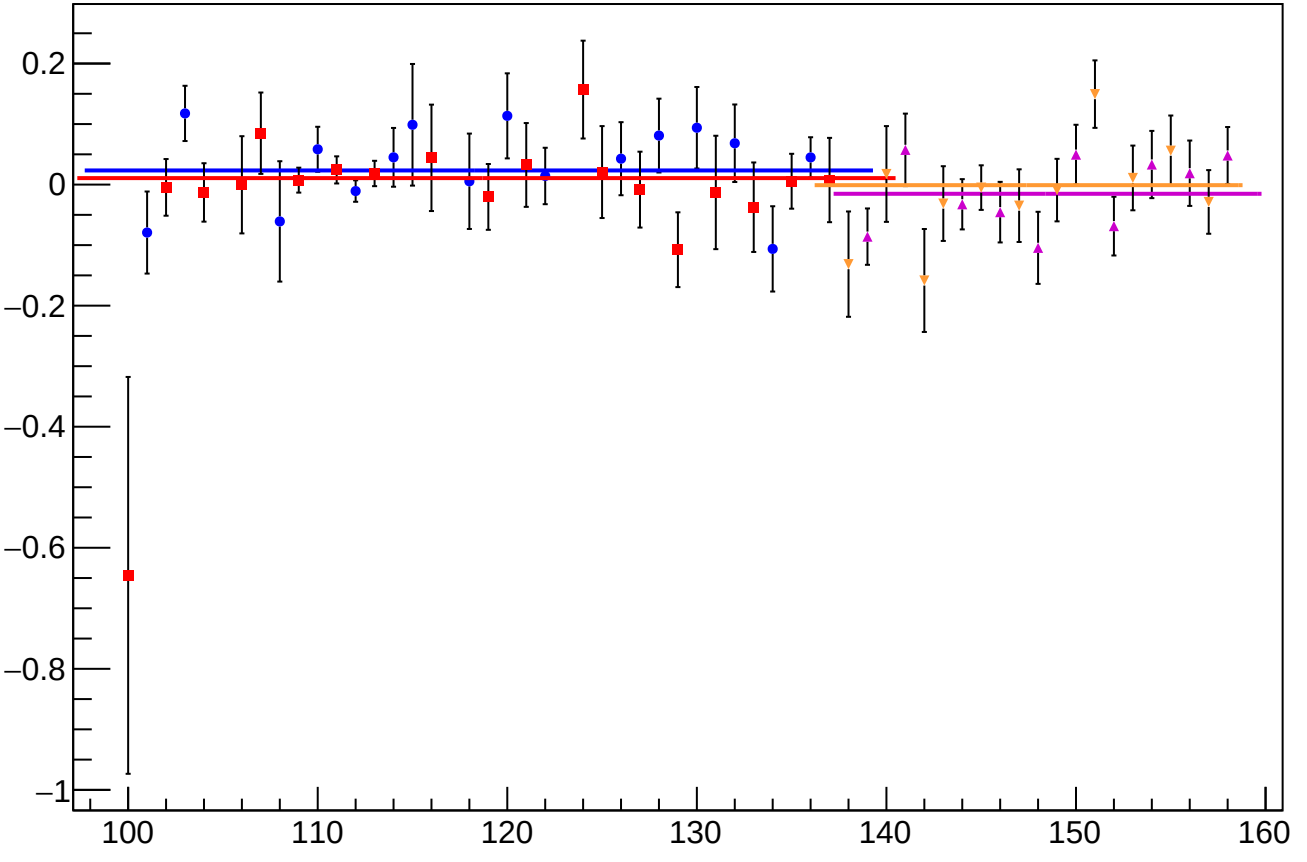
Left In: 0.000+/-0.000 χ^2/NDF:513149.5/9

+ sign 0.000+/-0.000 χ^2/NDF: 3133479.3/26

All: 0.000+/-0.000 χ^2/NDF: 5987080.6/55

- sign 0.000+/-0.000 χ^2/NDF: 2850691.3/28

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.001+/-0.017 χ^2/NDF:14.9/10

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

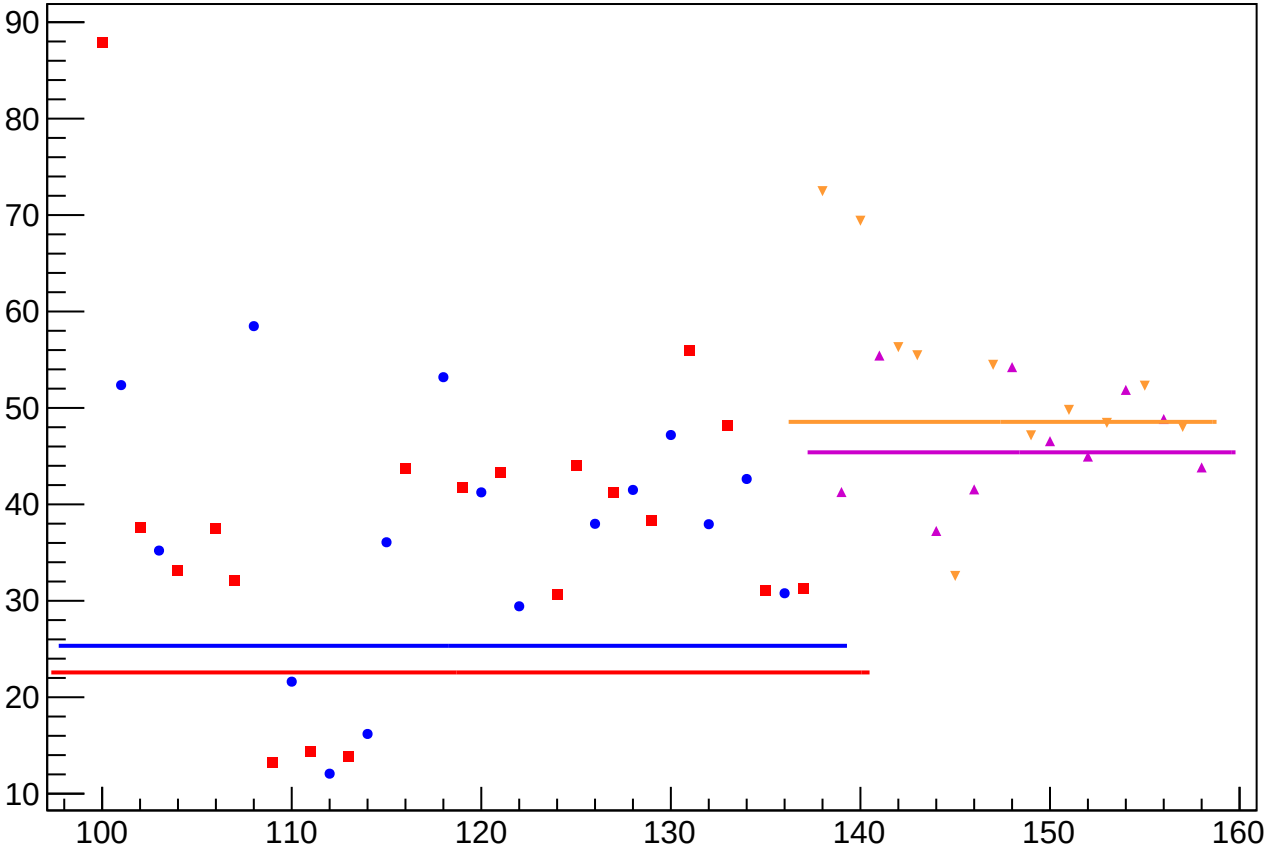
Left In: -0.015+/-0.016 χ^2/NDF:12.5/9

+ sign 0.016+/-0.009 χ^2/NDF: 37.1/26

All: 0.009+/-0.006 χ^2/NDF: 66.7/55

- sign 0.004+/-0.008 χ^2/NDF: 28.6/28

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 48.555+/-0.012 χ^2/NDF:738483.2/10

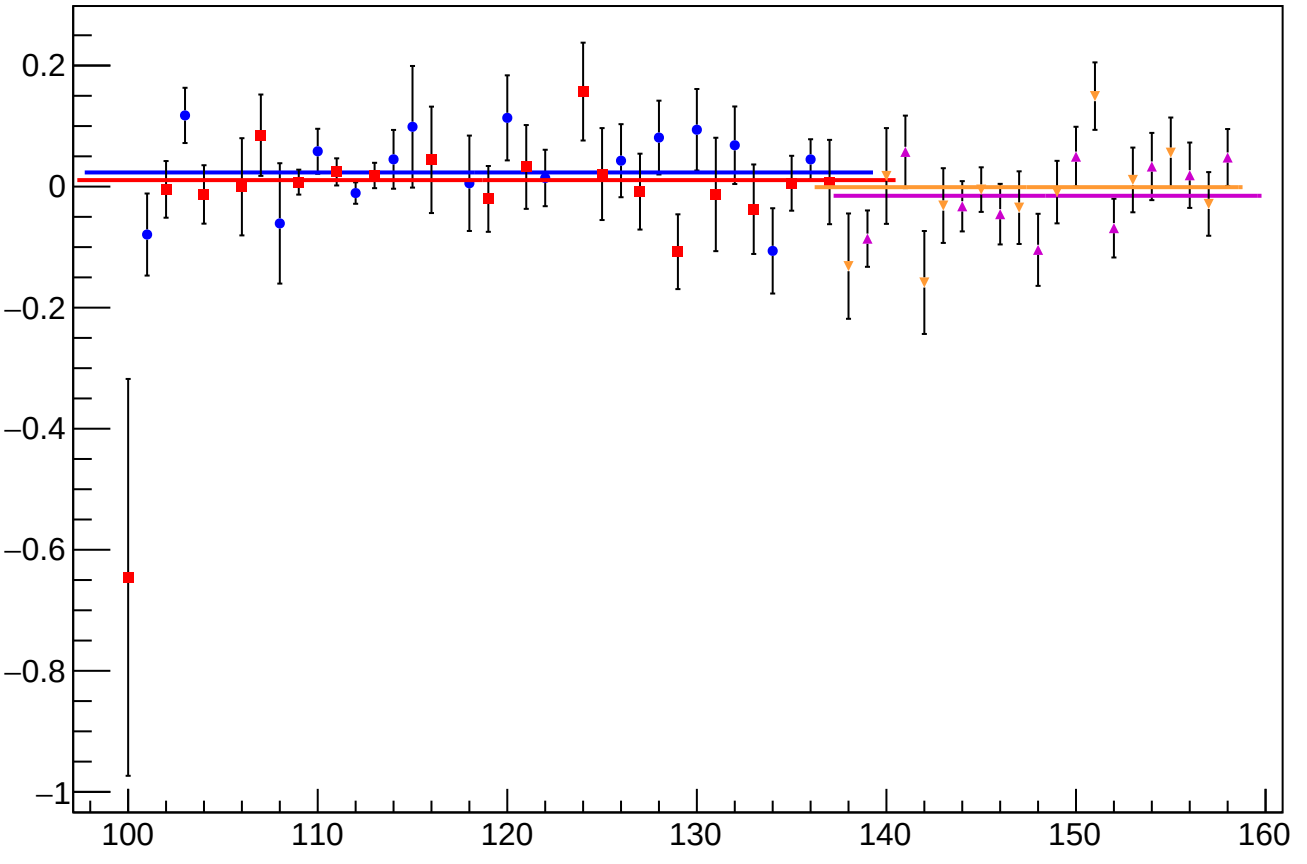
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 45.397+/-0.011 χ^2/NDF:243550.3/9

+ sign 32.179+/-0.007 χ^2/NDF: 6258382.2/26

All: 30.339+/-0.004 χ^2/NDF: 12769965.1/55

- sign 28.857+/-0.006 χ^2/NDF: 6370160.4/28



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.001+/-0.017 χ^2/NDF:14.9/10

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

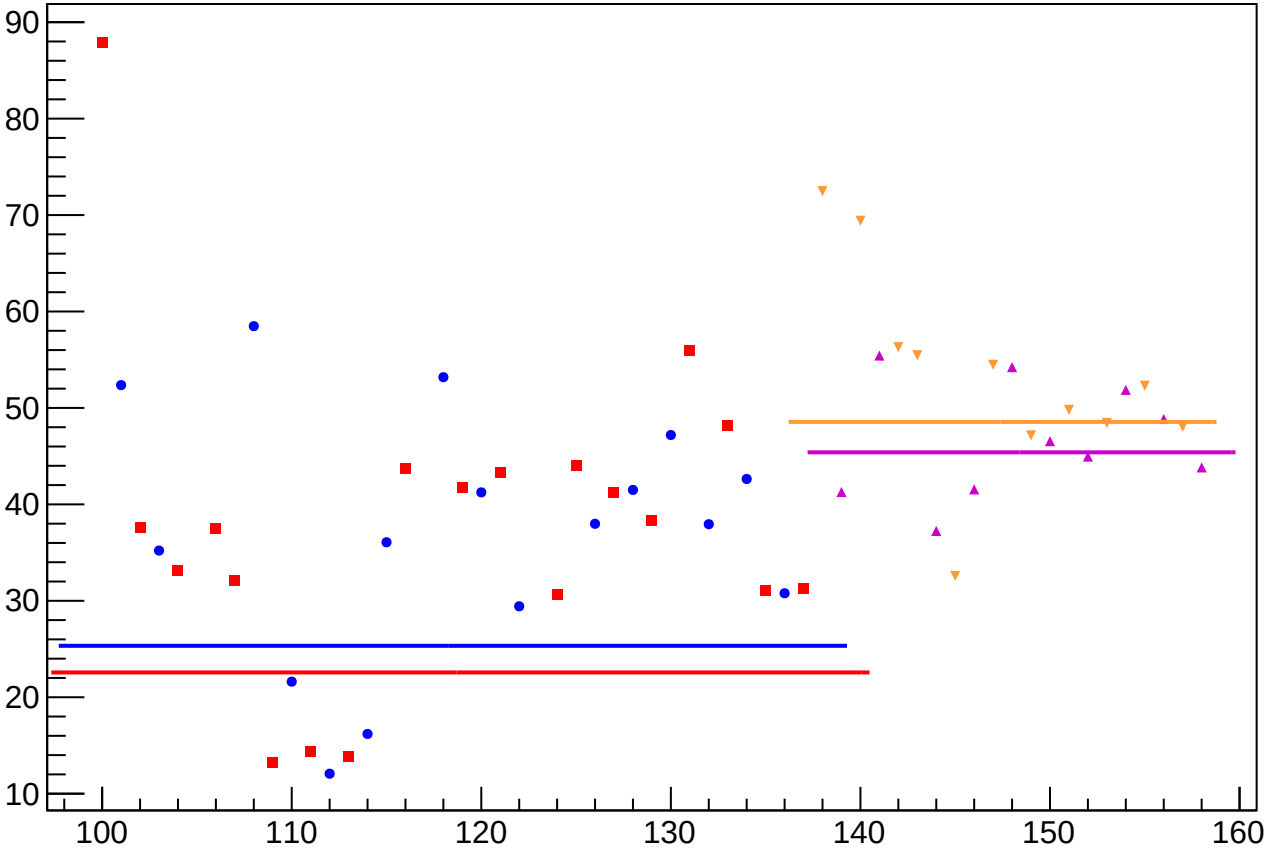
Left In: -0.015+/-0.016 χ^2/NDF:12.5/9

+ sign 0.016+/-0.009 χ^2/NDF: 37.1/26

All: 0.009+/-0.006 χ^2/NDF: 66.7/55

- sign 0.004+/-0.008 χ^2/NDF: 28.6/28

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 48.555+/-0.012 χ^2/NDF:738483.2/10

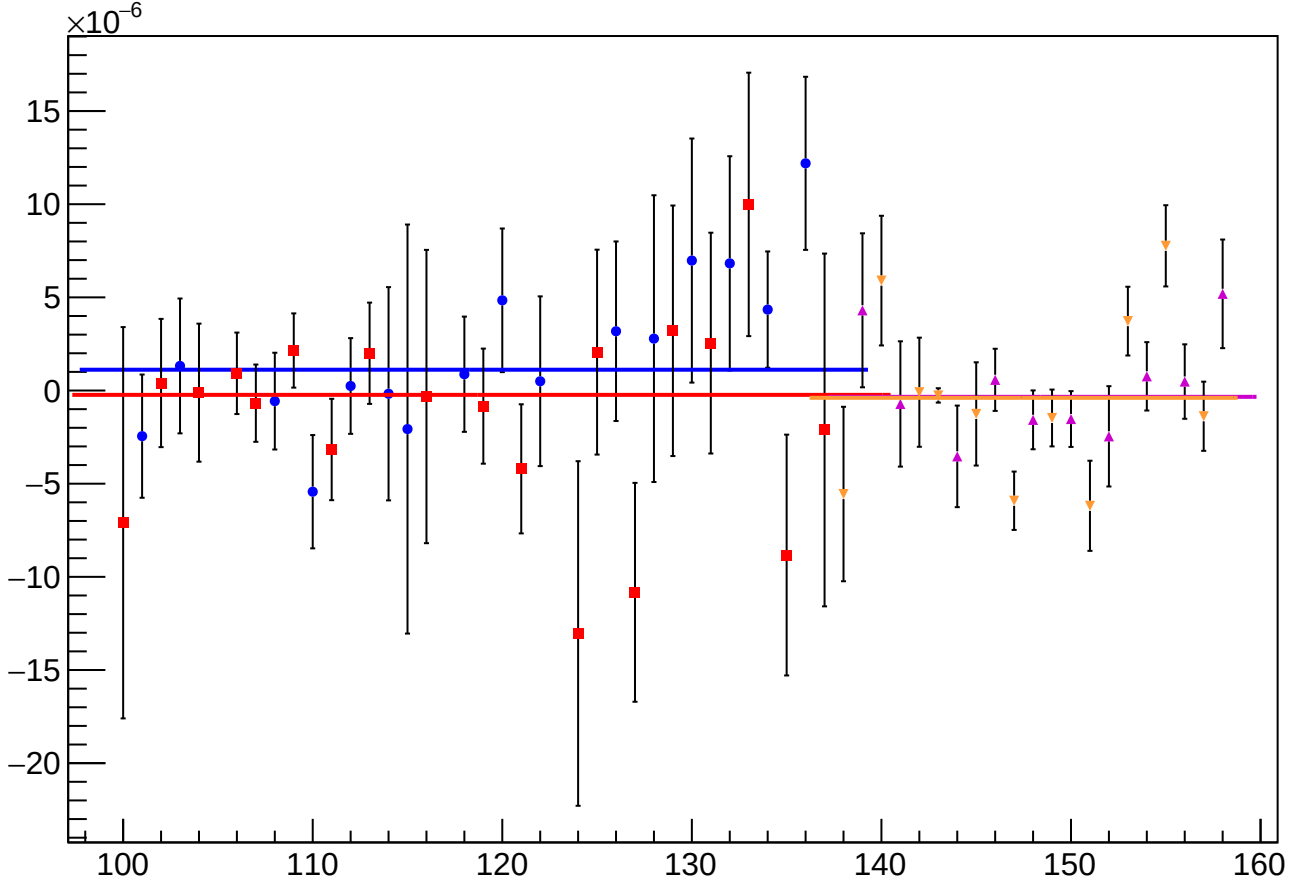
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 45.397+/-0.011 χ^2/NDF:243550.3/9

+ sign 32.179+/-0.007 χ^2/NDF: 6258382.2/26

All: 30.339+/-0.004 χ^2/NDF: 12769965.1/55

- sign 28.857+/-0.006 χ^2/NDF: 6370160.4/28



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:42.7/10

Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/18

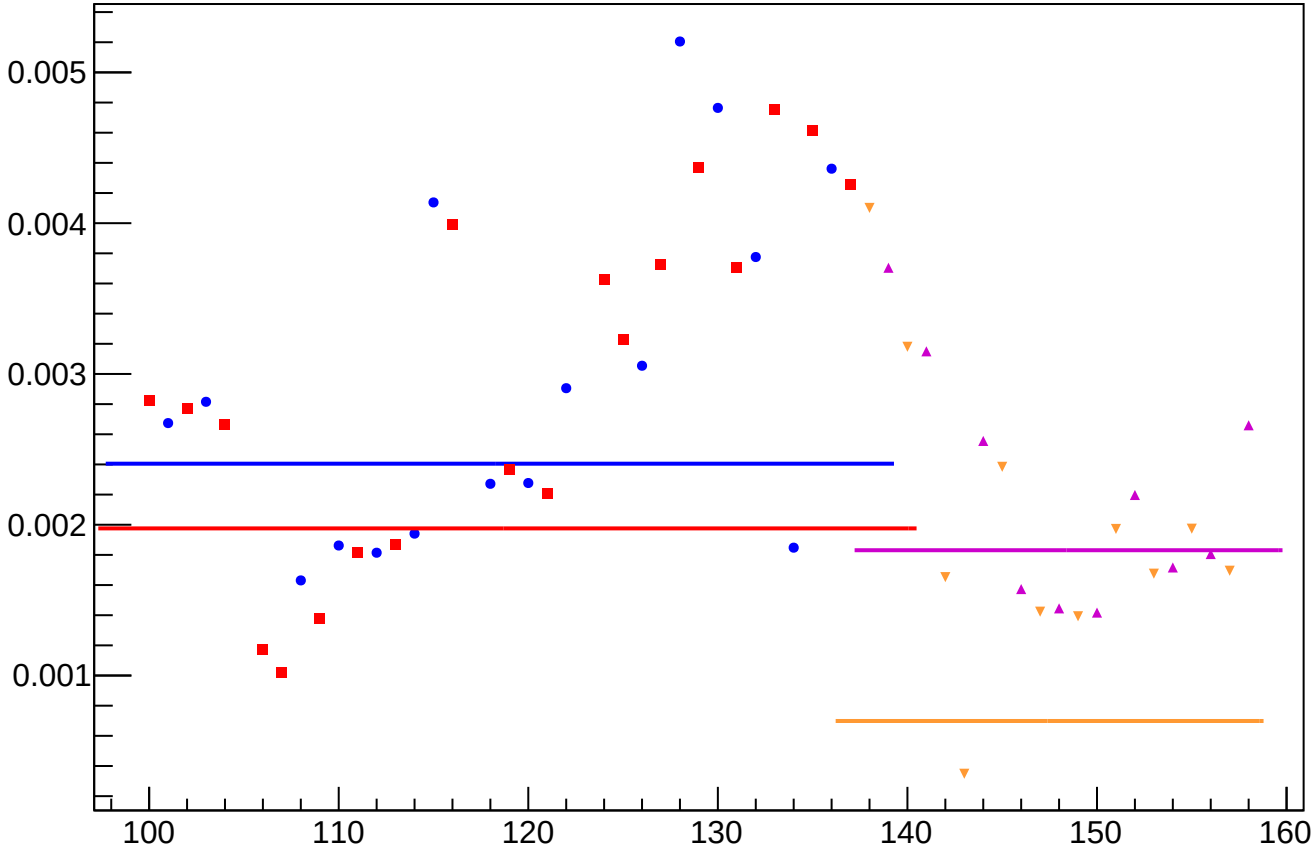
Left In: -0.000+/-0.000 χ^2/NDF:8.9/9

+ sign -0.000+/-0.000 χ^2/NDF: 61.1/26

All: -0.000+/-0.000 χ^2/NDF: 85.2/55

- sign -0.000+/-0.000 χ^2/NDF: 24.1/28

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:7889951.0/10

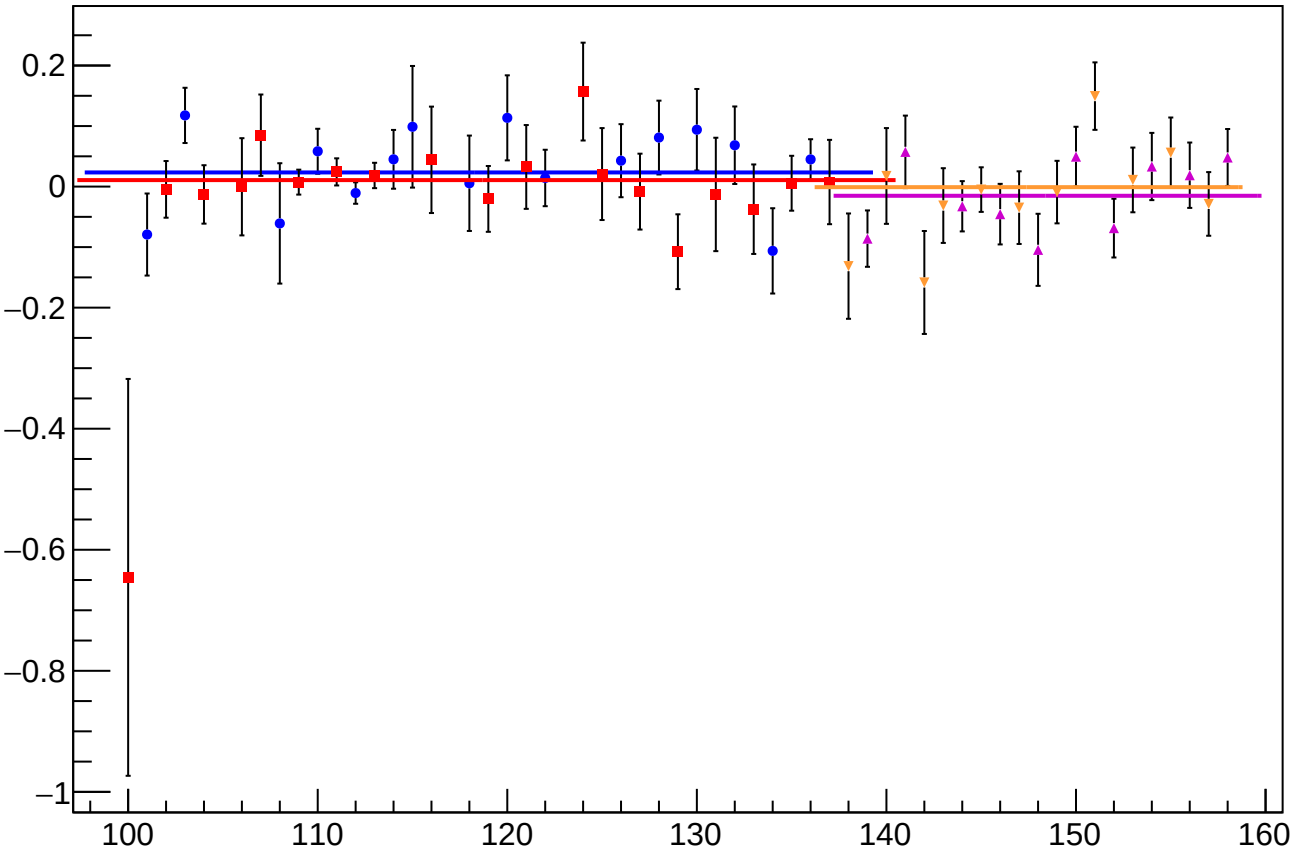
Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.002+/-0.000 χ^2/NDF:1386407.2/9

+ sign 0.001+/-0.000 χ^2/NDF: 15149645.0/26

All: 0.001+/-0.000 χ^2/NDF: 24888802.1/55

- sign 0.002+/-0.000 χ^2/NDF: 4199965.0/28



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.001+/-0.017 χ^2/NDF:14.9/10

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

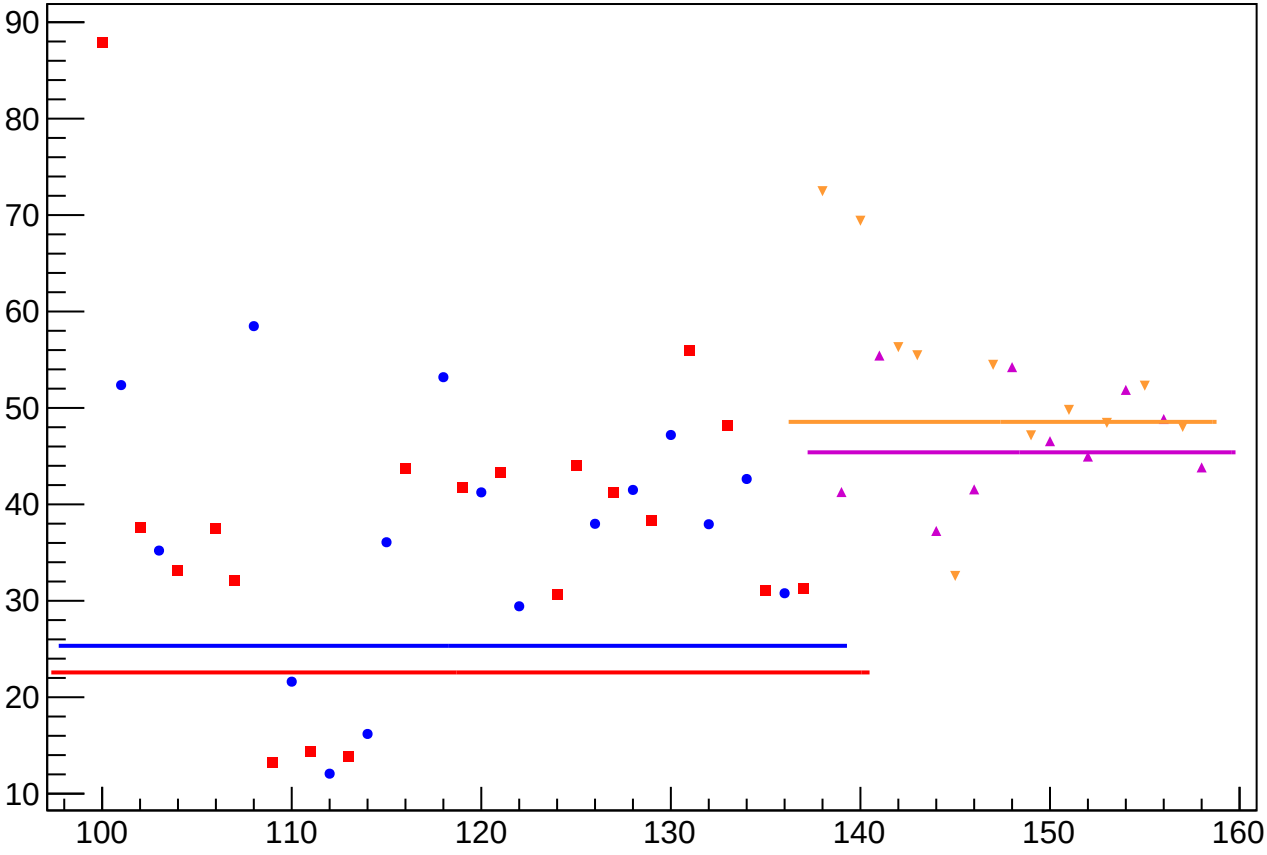
Left In: -0.015+/-0.016 χ^2/NDF:12.5/9

+ sign 0.016+/-0.009 χ^2/NDF: 37.1/26

All: 0.009+/-0.006 χ^2/NDF: 66.7/55

- sign 0.004+/-0.008 χ^2/NDF: 28.6/28

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 48.556+/-0.012 χ^2/NDF:738454.9/10

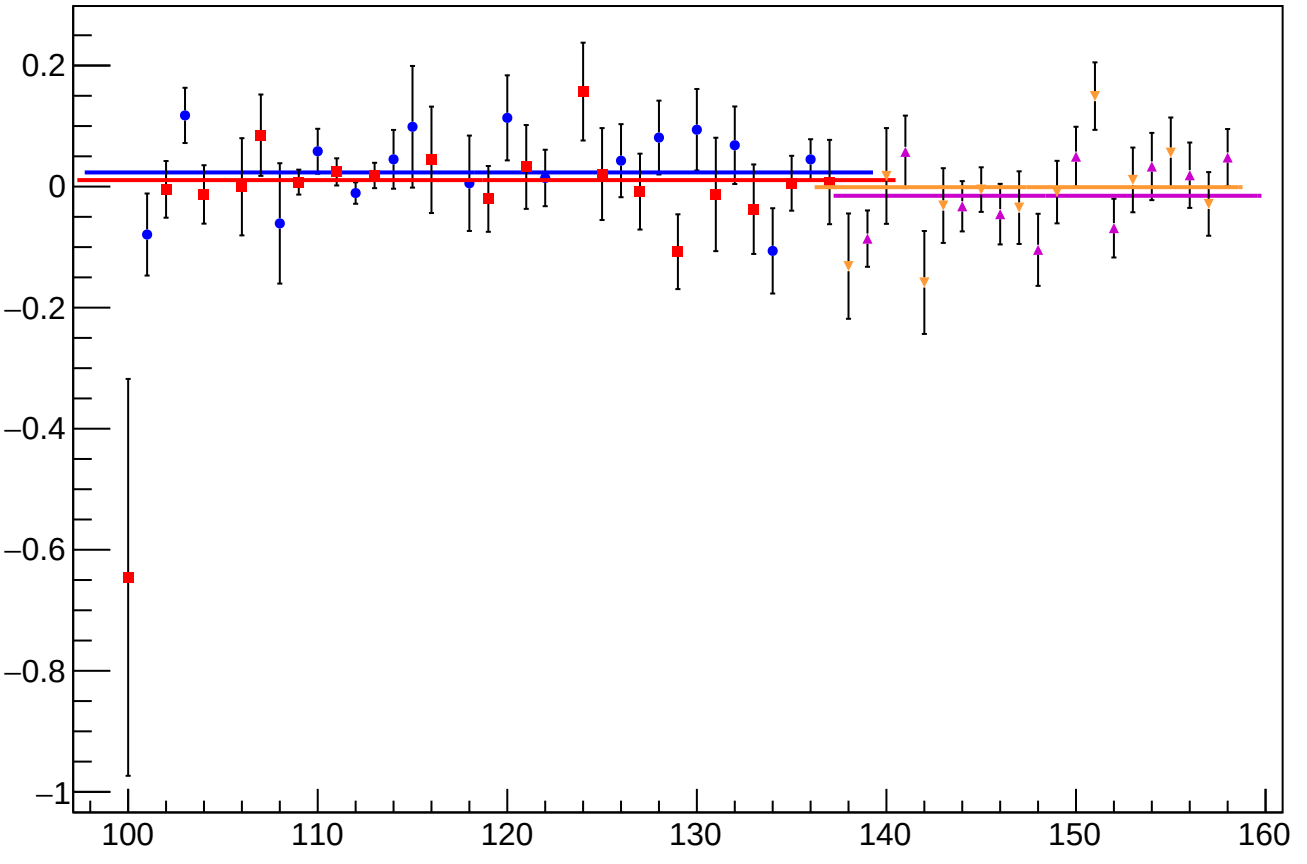
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 45.397+/-0.011 χ^2/NDF:243540.3/9

+ sign 32.178+/-0.007 χ^2/NDF: 6259177.2/26

All: 30.339+/-0.004 χ^2/NDF: 12770998.4/55

- sign 28.857+/-0.006 χ^2/NDF: 6370473.9/28



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.001+/-0.017 χ^2/NDF:14.9/10

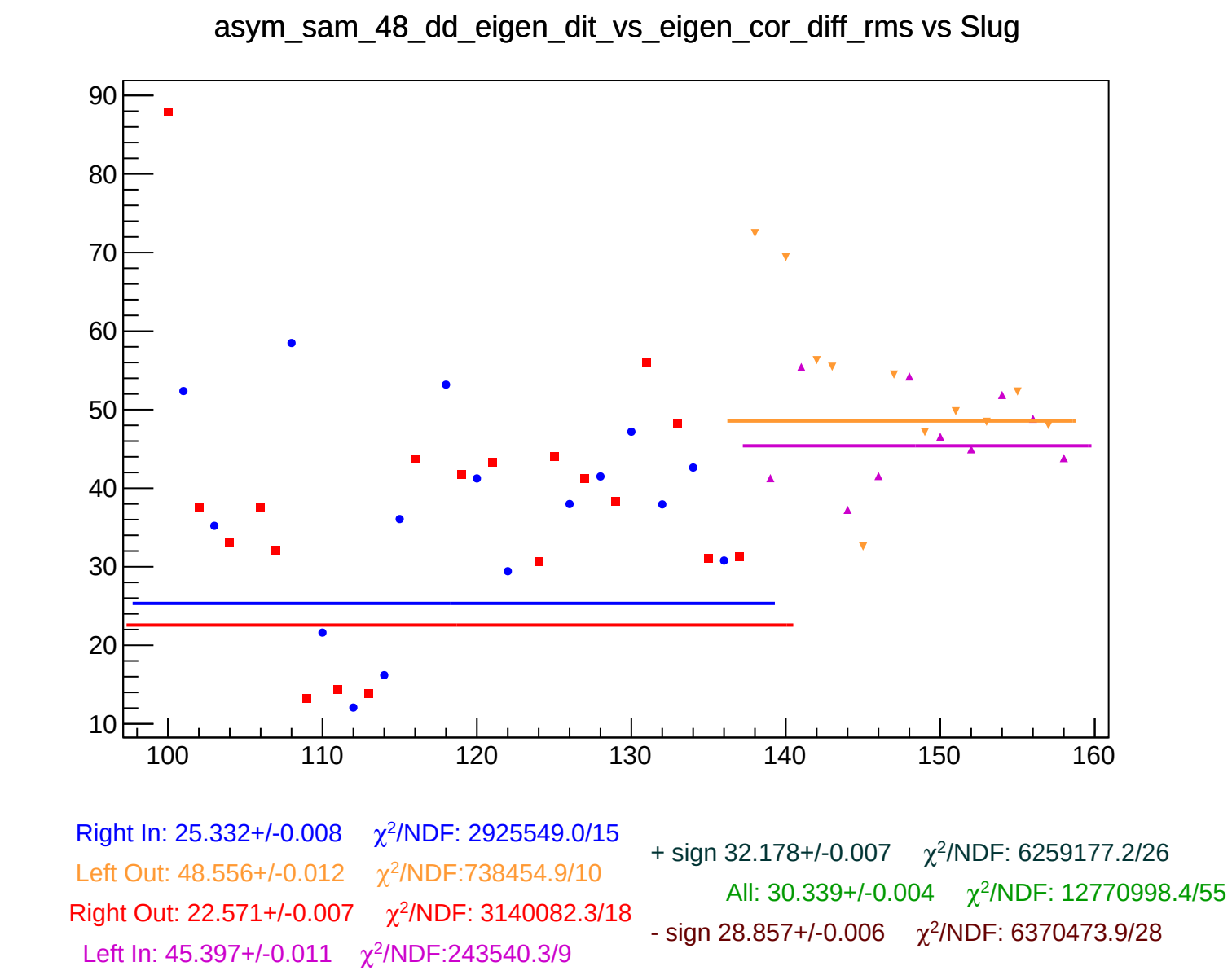
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

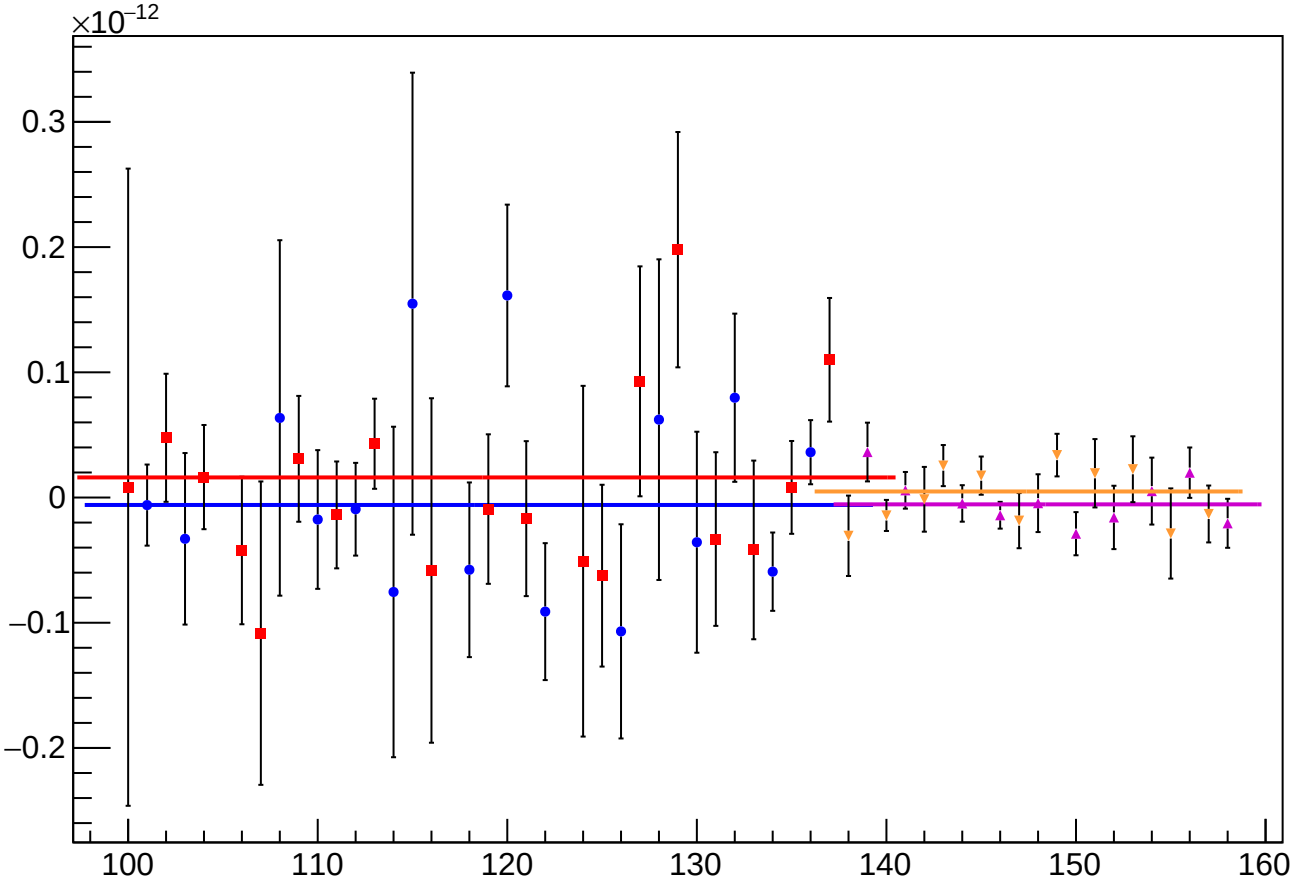
Left In: -0.015+/-0.016 χ^2/NDF:12.5/9

+ sign 0.016+/-0.009 χ^2/NDF: 37.1/26

All: 0.009+/-0.006 χ^2/NDF: 66.7/55

- sign 0.004+/-0.008 χ^2/NDF: 28.6/28


asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
90
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 25.332+/-0.008 χ²/NDF: 2925549.0/15
Left Out: 48.556+/-0.012 χ²/NDF:738454.9/10
Right Out: 22.571+/-0.007 χ²/NDF: 3140082.3/18
Left In: 45.397+/-0.011 χ²/NDF:243540.3/9
+ sign 32.178+/-0.007 χ²/NDF: 6259177.2/26
All: 30.339+/-0.004 χ²/NDF: 12770998.4/55
- sign 28.857+/-0.006 χ²/NDF: 6370473.9/28



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/10

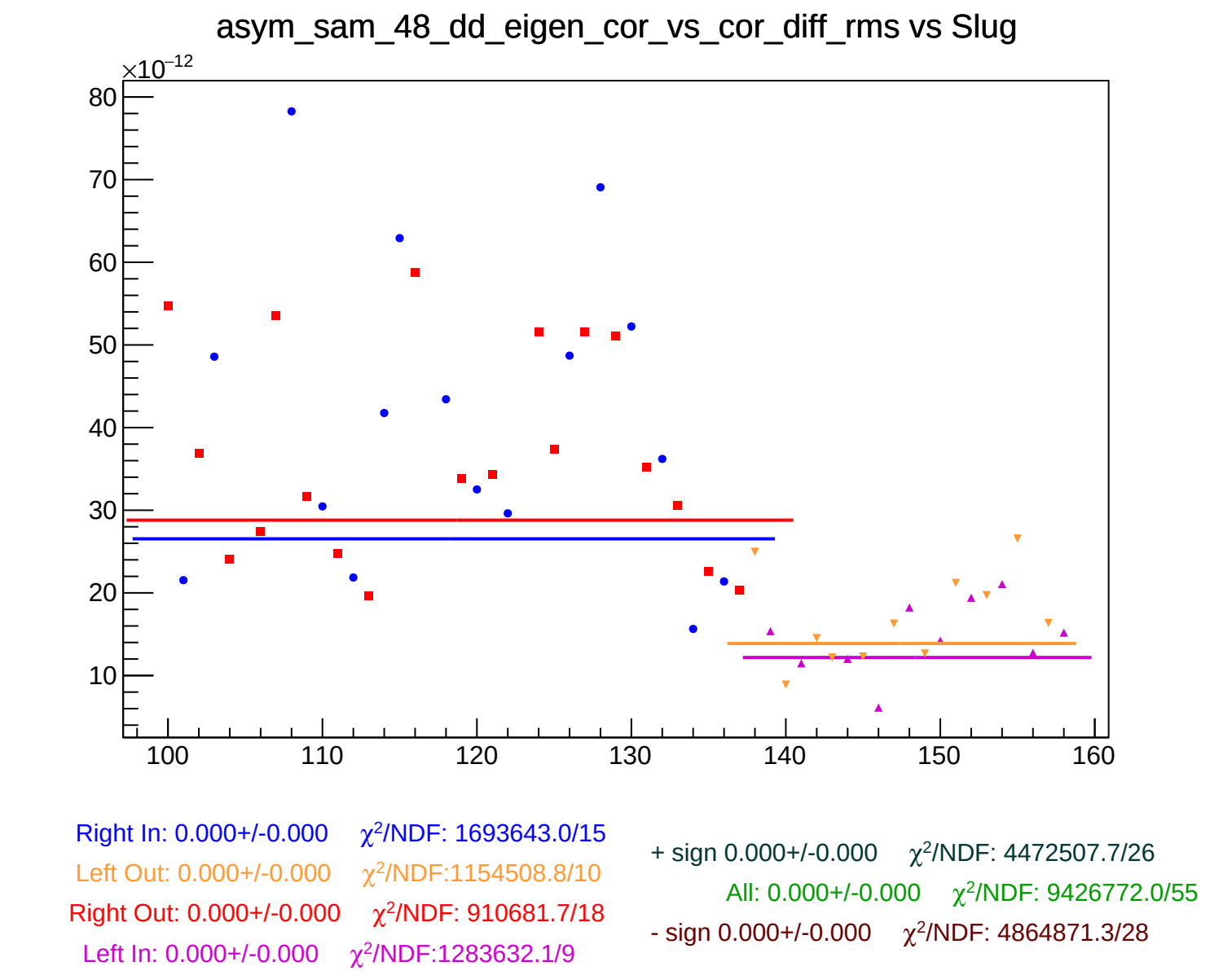
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: -0.000+/-0.000 χ^2/NDF:8.8/9

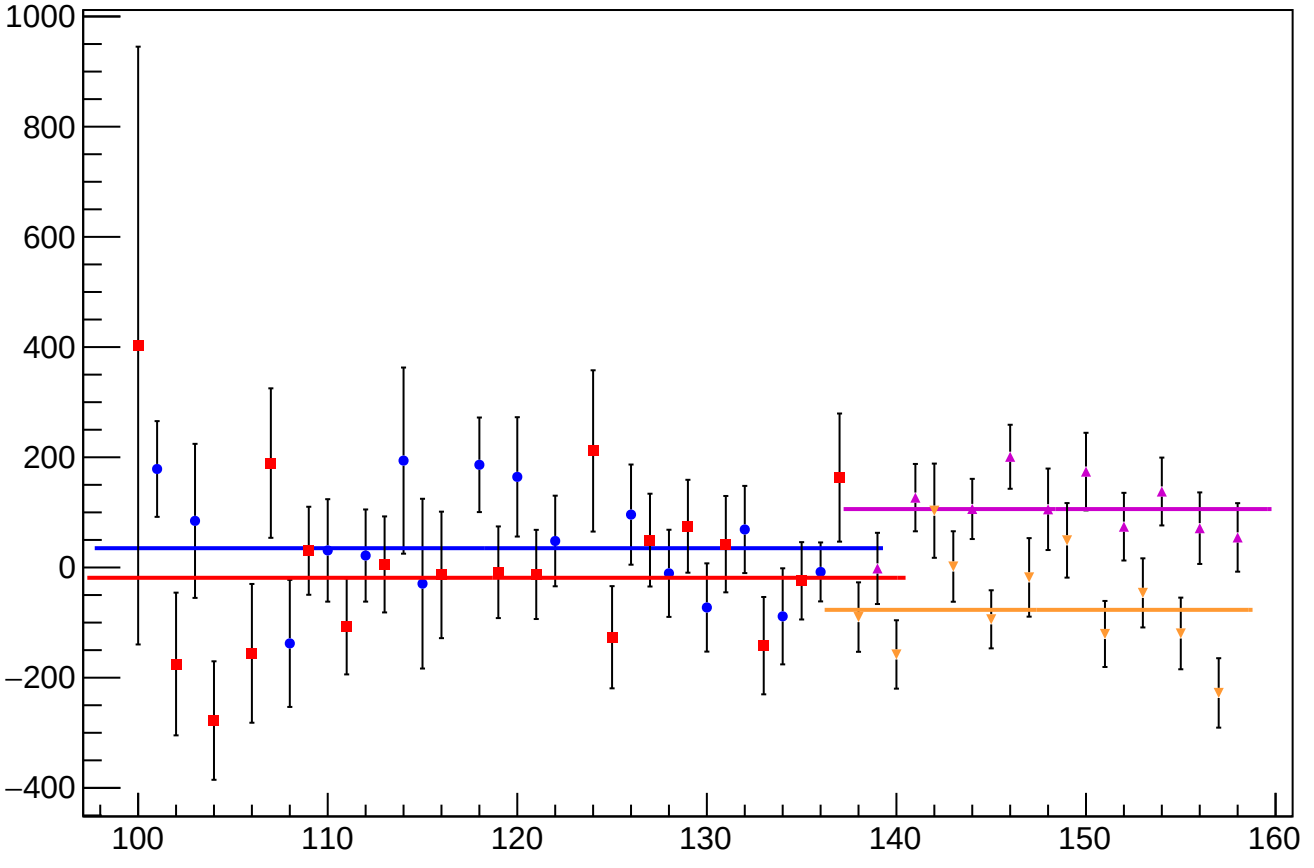
+ sign 0.000+/-0.000 χ^2/NDF: 31.6/26

All: 0.000+/-0.000 χ^2/NDF: 58.1/55

- sign -0.000+/-0.000 χ^2/NDF: 26.0/28


asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1693643.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1154508.8/10
Right Out: 0.000+/-0.000 χ²/NDF: 910681.7/18
Left In: 0.000+/-0.000 χ²/NDF:1283632.1/9
+ sign 0.000+/-0.000 χ²/NDF: 4472507.7/26
All: 0.000+/-0.000 χ²/NDF: 9426772.0/55
- sign 0.000+/-0.000 χ²/NDF: 4864871.3/28

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -76.870+/-19.285 χ^2/NDF:18.9/10

Right Out: -18.690+/-22.137 χ^2/NDF: 23.5/18

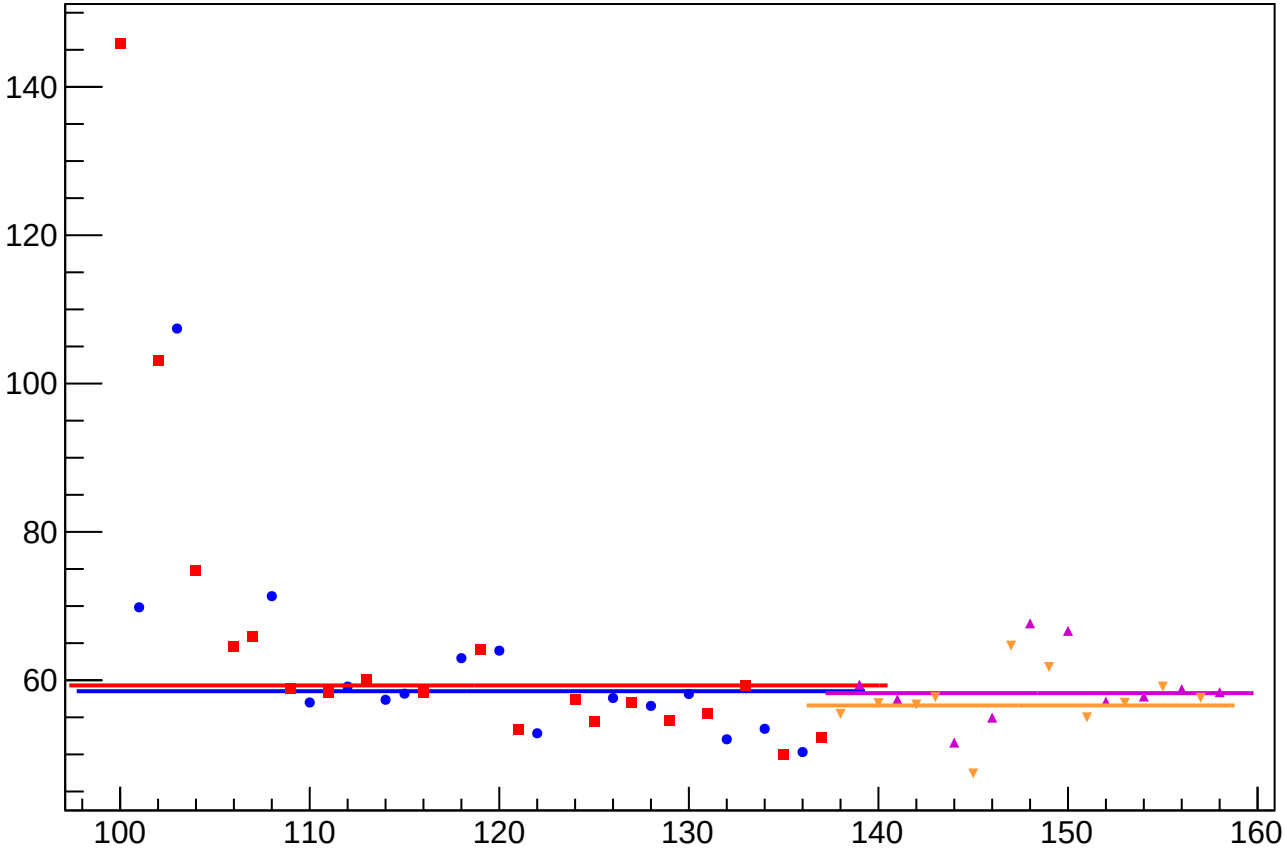
Left In: 106.018+/-19.809 χ^2/NDF:8.0/9

+ sign -28.586+/-14.540 χ^2/NDF: 49.6/26

All: 10.390+/-10.359 χ^2/NDF: 113.3/55

- sign 50.563+/-14.762 χ^2/NDF: 49.1/28

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 56.597+/-0.014 χ^2/NDF:104321.9/10

Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

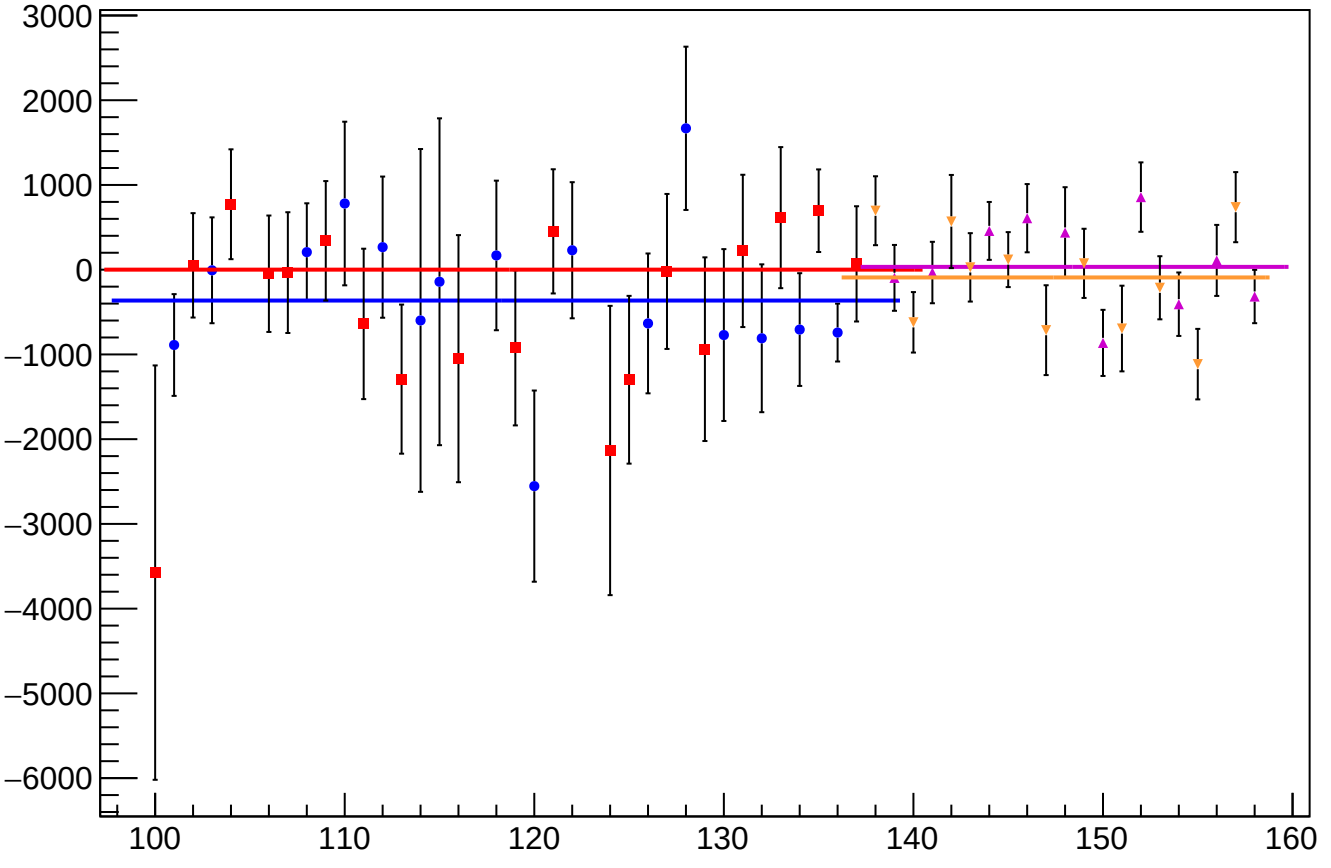
Left In: 58.261+/-0.014 χ^2/NDF:99055.4/9

+ sign 57.428+/-0.010 χ^2/NDF: 505660.8/26

All: 58.066+/-0.007 χ^2/NDF: 1021604.7/55

- sign 58.723+/-0.010 χ^2/NDF: 508120.3/28

asym_sam_13_57_dd_reg_correction_mean vs Slug



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: -91.475+/-123.891 χ^2/NDF:21.0/10

Right Out: 0.570+/-183.085 χ^2/NDF: 15.1/18

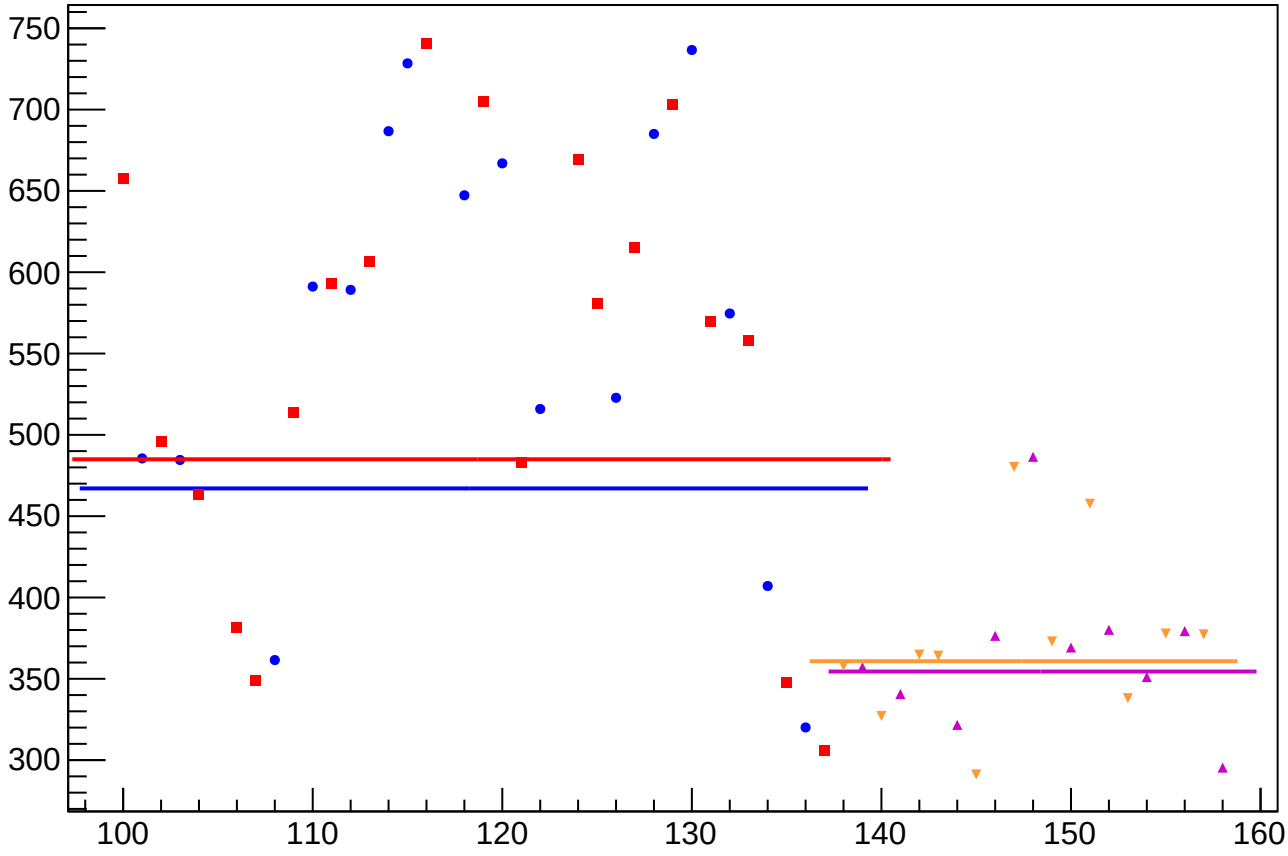
Left In: 33.270+/-121.347 χ^2/NDF:16.3/9

\+ sign -178.707+/-102.163 χ^2/NDF: 37.8/26

All: -76.700+/-71.878 χ^2/NDF: 71.2/55

\- sign 23.289+/-101.147 χ^2/NDF: 31.4/28

asym_sam_13_57_dd_reg_correction_rms vs Slug



Right In: 467.068+/-0.128 χ^2/NDF: 1030279.0/15

Left Out: 360.814+/-0.088 χ^2/NDF:300917.7/10

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

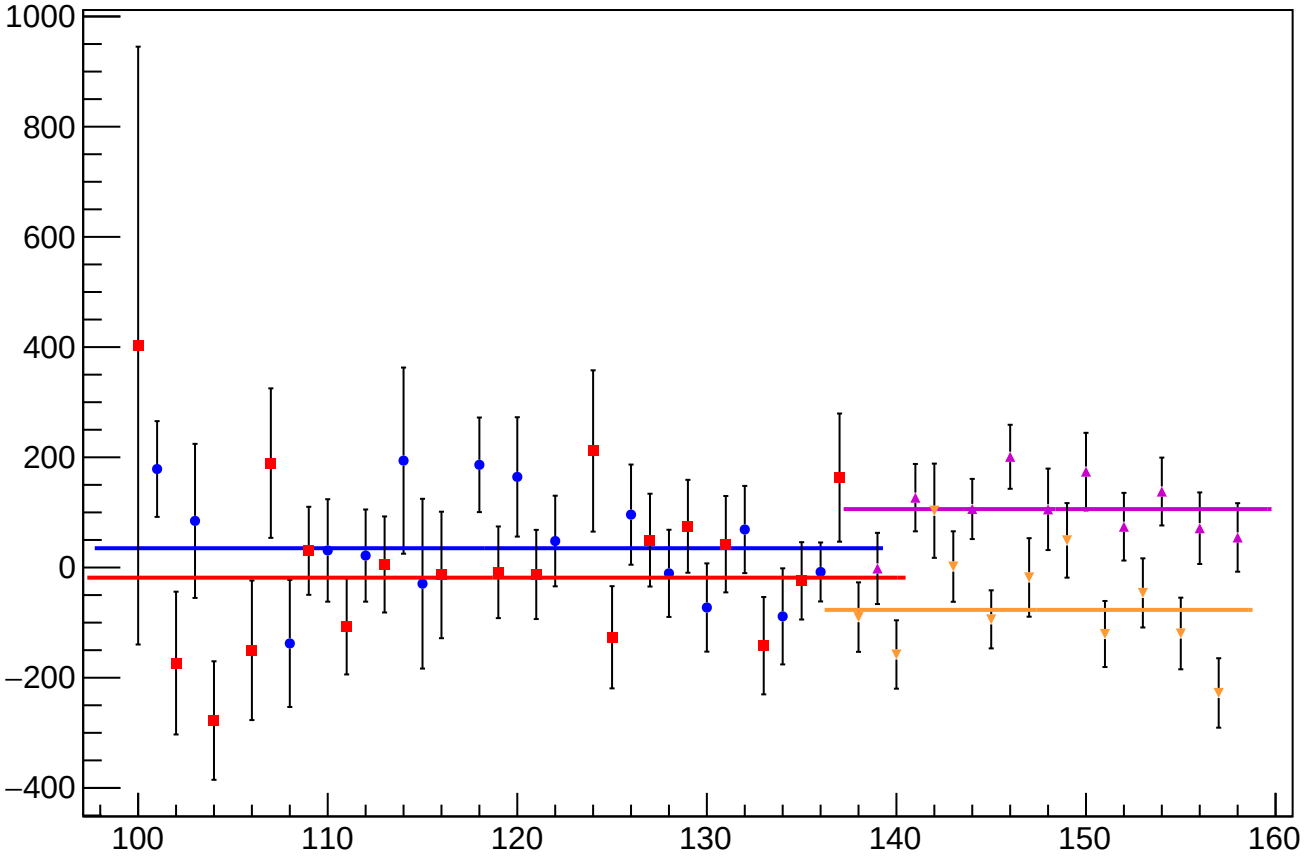
Left In: 354.471+/-0.086 χ^2/NDF:237590.8/9

+ sign 394.815+/-0.072 χ^2/NDF: 1801944.2/26

All: 394.557+/-0.051 χ^2/NDF: 3619766.1/55

- sign 394.304+/-0.072 χ^2/NDF: 1817796.7/28

cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -76.868+/-19.285 χ^2/NDF:18.9/10

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

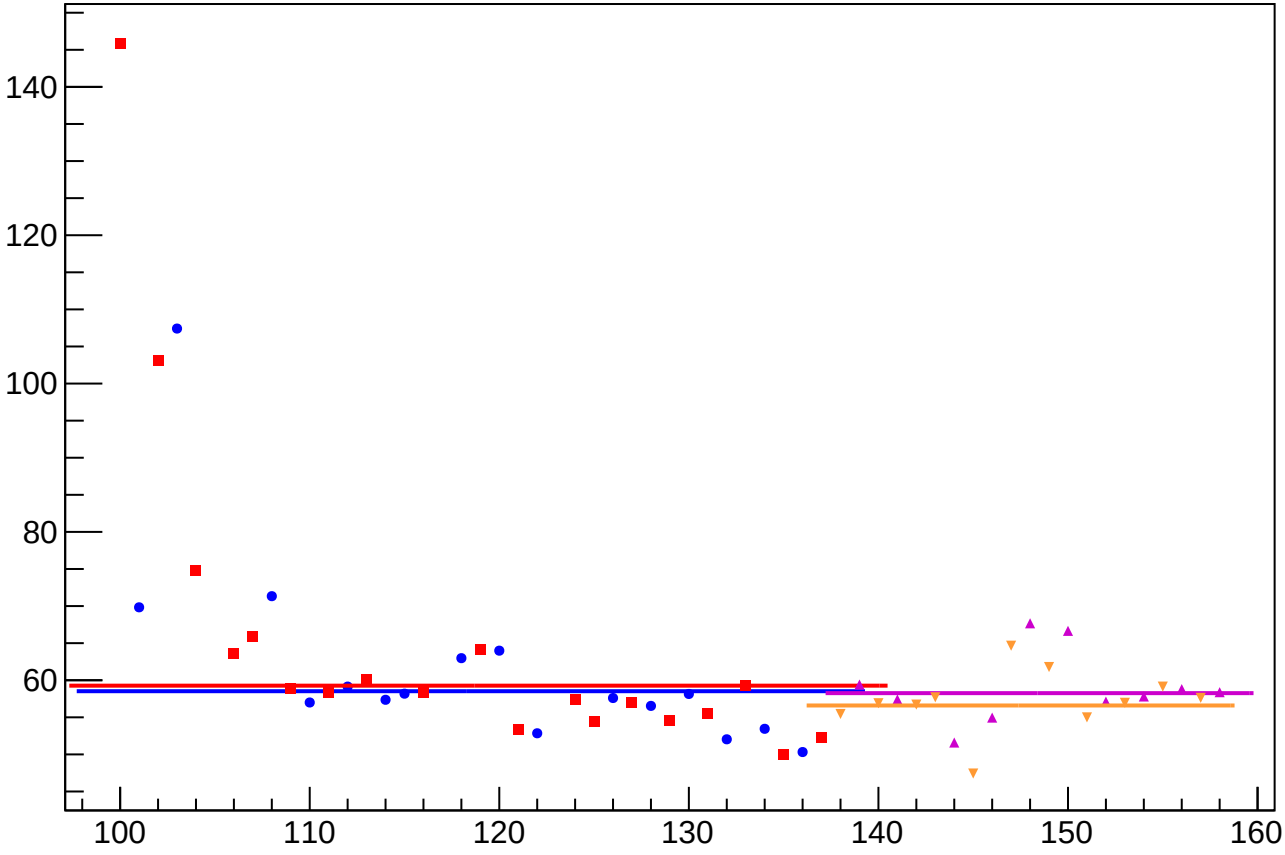
Left In: 106.018+/-19.809 χ^2/NDF:8.0/9

+ sign -28.586+/-14.540 χ^2/NDF: 49.6/26

All: 10.453+/-10.359 χ^2/NDF: 113.2/55

- sign 50.696+/-14.763 χ^2/NDF: 48.9/28

cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.597+/-0.014 χ^2/NDF:104322.0/10

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

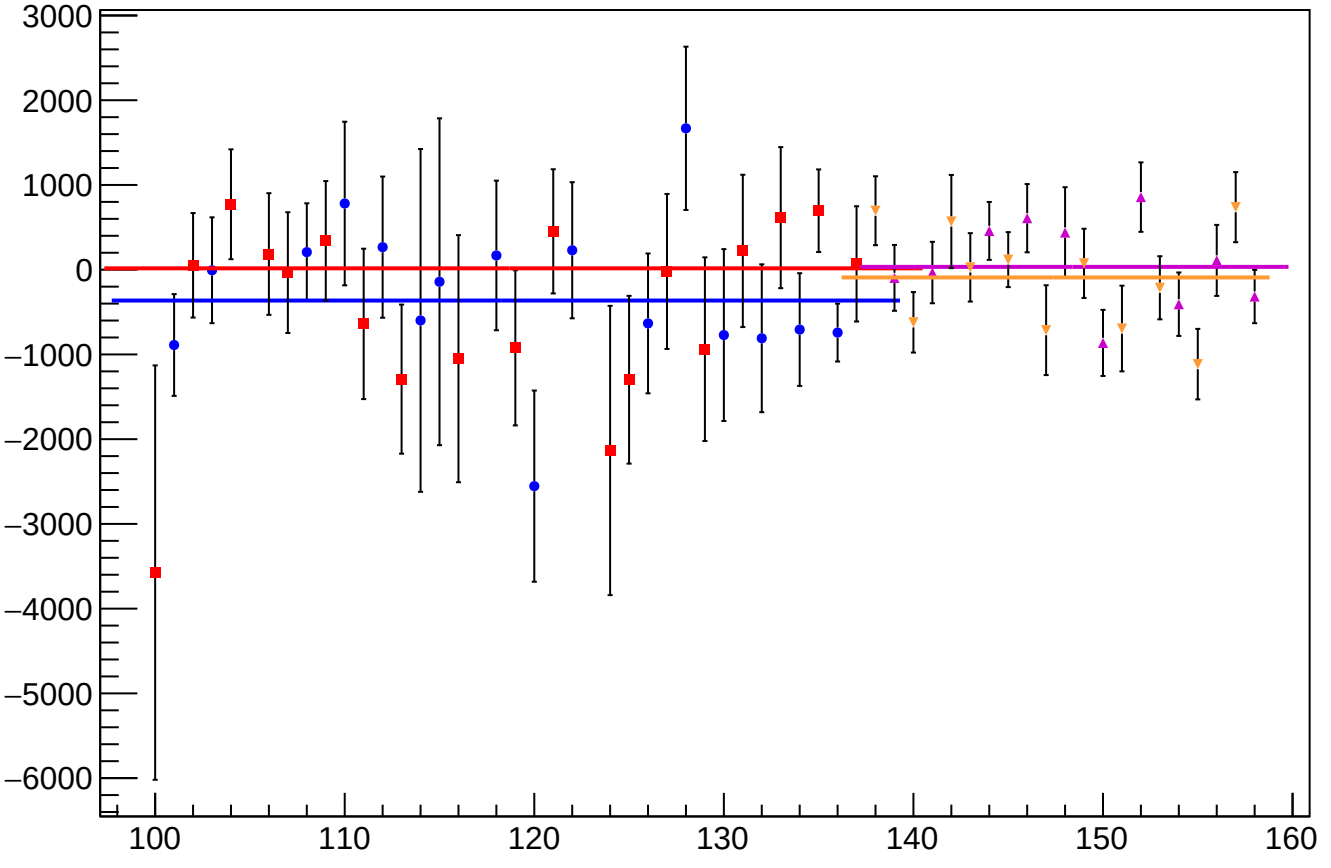
Left In: 58.261+/-0.014 χ^2/NDF:99055.4/9

+ sign 57.428+/-0.010 χ^2/NDF: 505662.9/26

All: 58.059+/-0.007 χ^2/NDF: 1020291.7/55

- sign 58.709+/-0.010 χ^2/NDF: 506976.9/28

asym_sam_13_57_dd_cor_correction_mean vs Slug



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -91.478+/-123.891 χ^2/NDF:21.0/10

Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

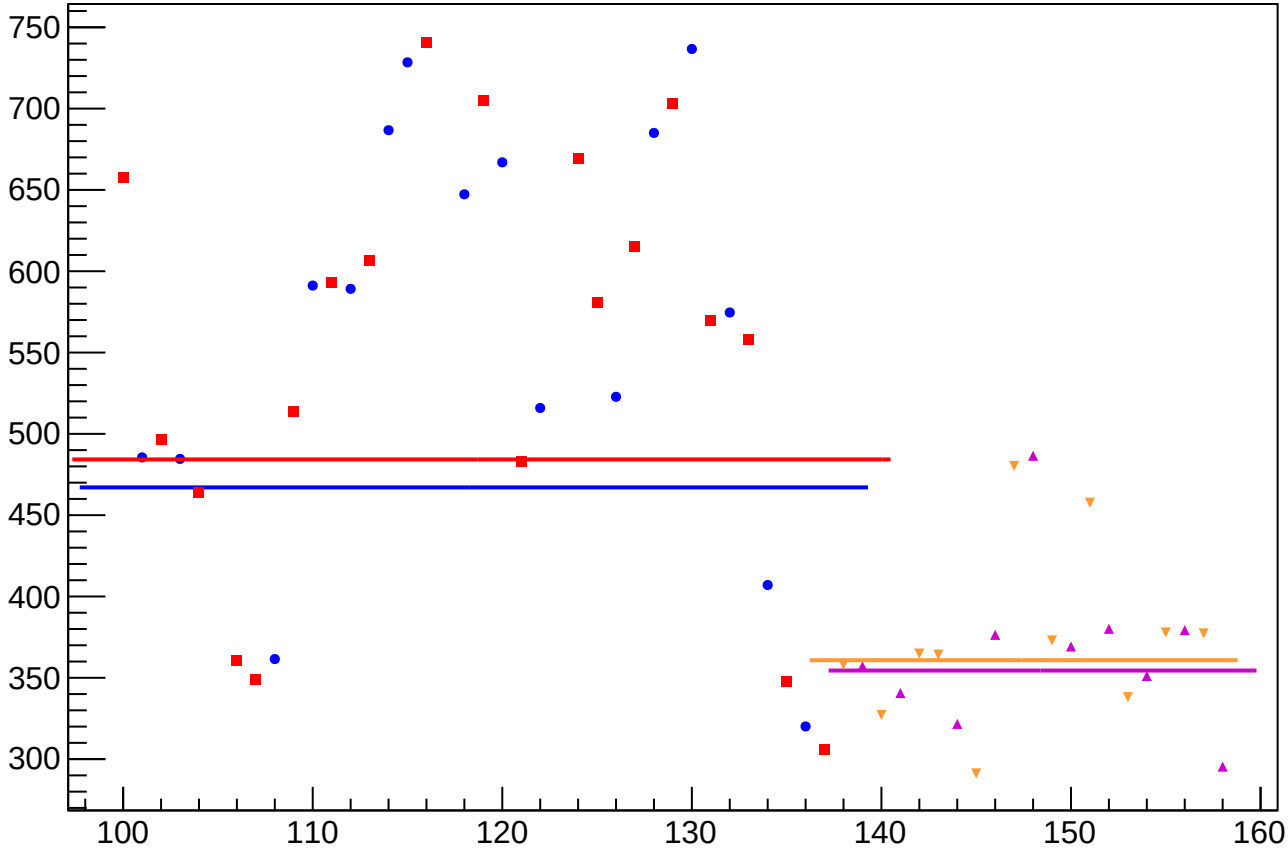
Left In: 33.270+/-121.347 χ^2/NDF:16.3/9

+ sign -178.697+/-102.163 χ^2/NDF: 37.8/26

All: -74.388+/-71.913 χ^2/NDF: 71.3/55

- sign 28.048+/-101.242 χ^2/NDF: 31.4/28

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 360.814+/-0.088 χ^2/NDF:300919.1/10

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

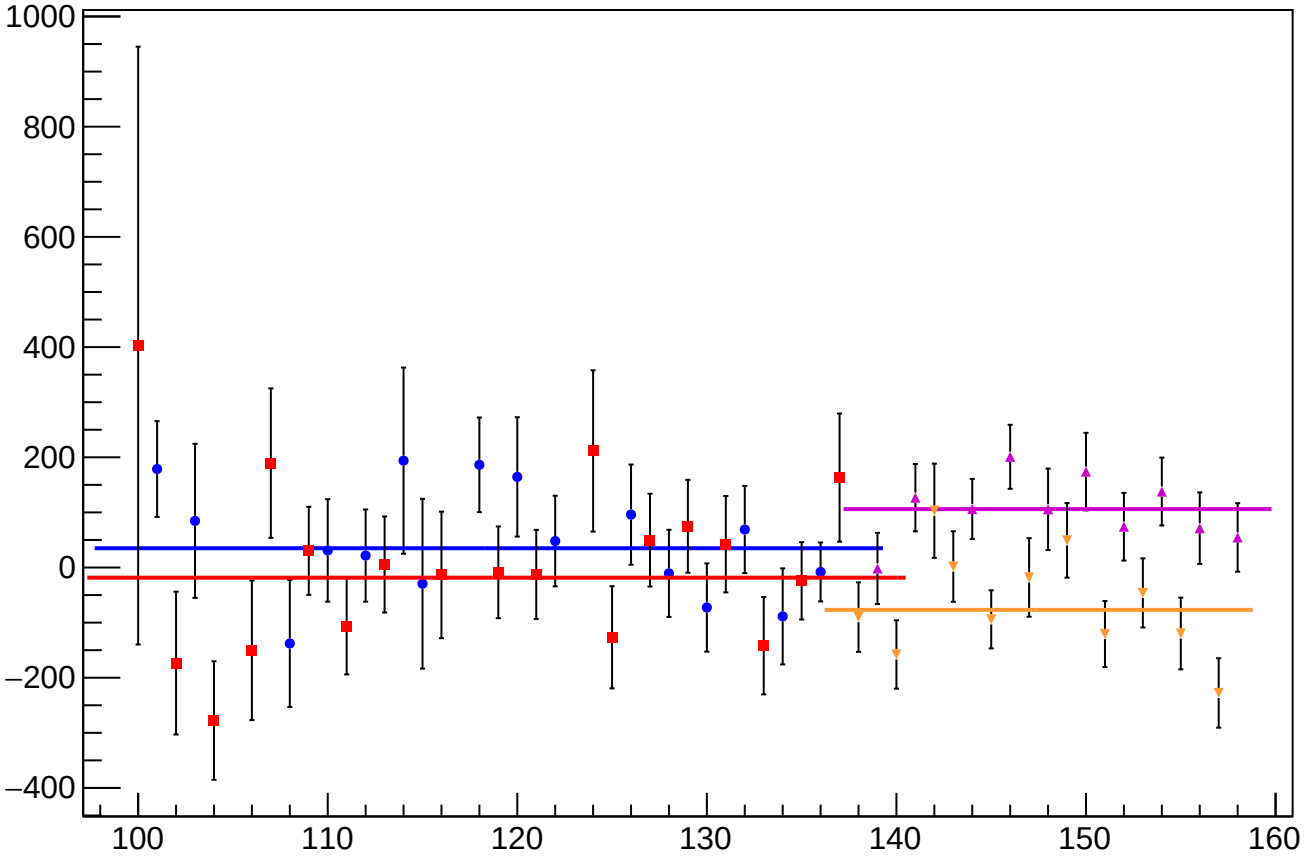
Left In: 354.471+/-0.086 χ^2/NDF:237591.3/9

+ sign 394.816+/-0.072 χ^2/NDF: 1801967.6/26

All: 394.363+/-0.051 χ^2/NDF: 3623909.0/55

- sign 393.919+/-0.072 χ^2/NDF: 1821863.5/28

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -76.868+/-19.285 χ^2/NDF:18.9/10

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

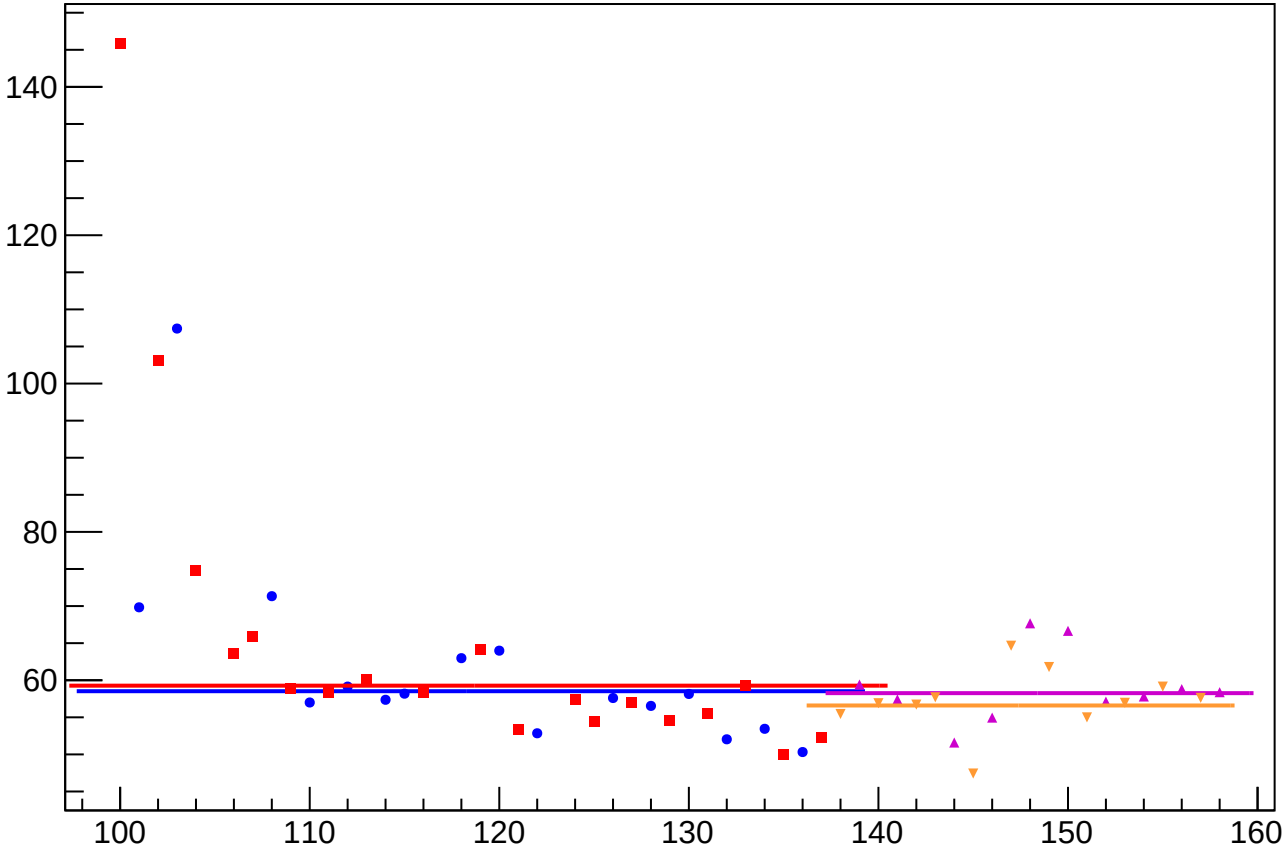
Left In: 106.018+/-19.809 χ^2/NDF:8.0/9

+ sign -28.586+/-14.540 χ^2/NDF: 49.6/26

All: 10.453+/-10.359 χ^2/NDF: 113.2/55

- sign 50.696+/-14.763 χ^2/NDF: 48.9/28

eigen_cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.597+/-0.014 χ^2/NDF:104322.0/10

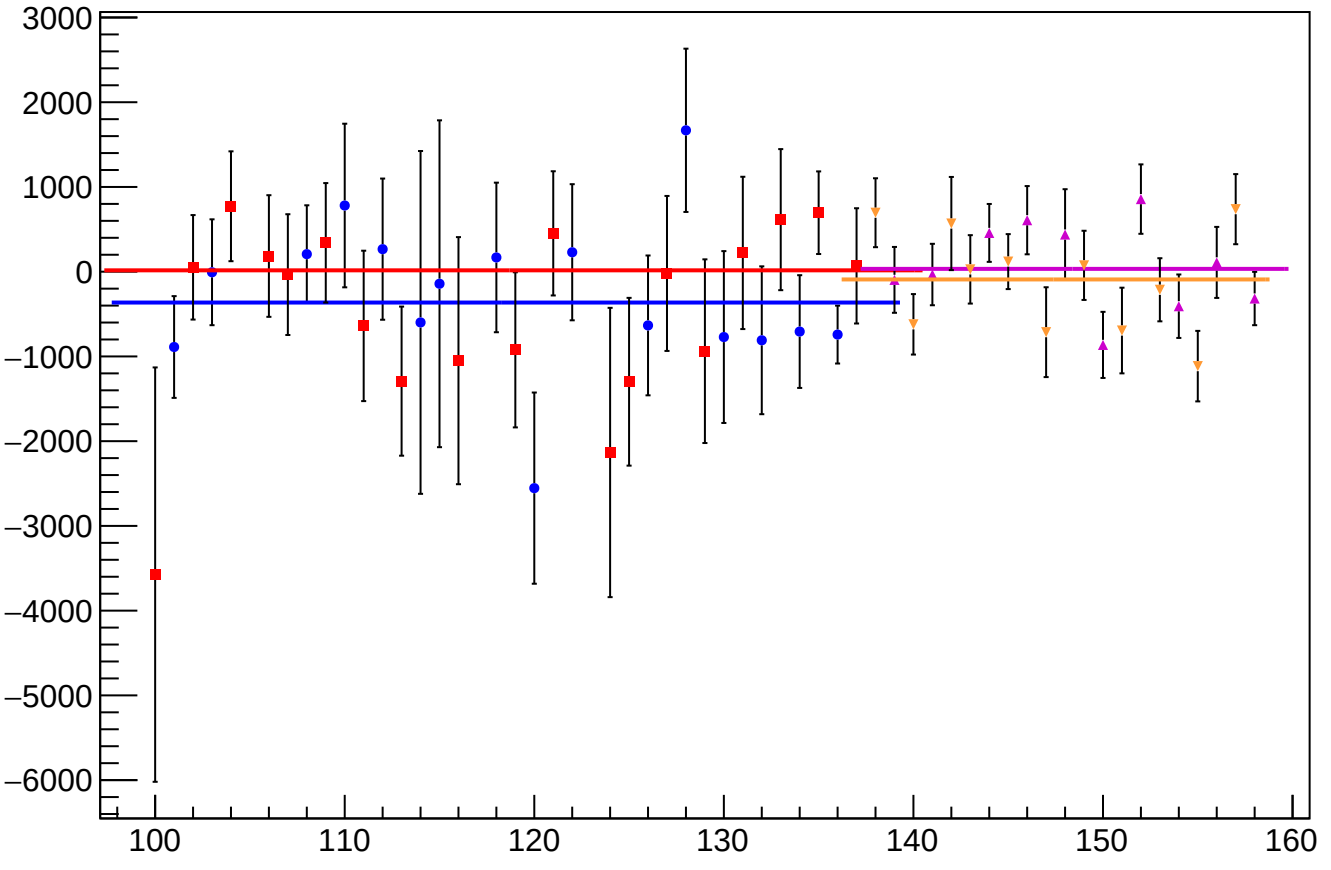
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 58.261+/-0.014 χ^2/NDF:99055.4/9

+ sign 57.428+/-0.010 χ^2/NDF: 505662.9/26

All: 58.059+/-0.007 χ^2/NDF: 1020291.7/55

- sign 58.709+/-0.010 χ^2/NDF: 506976.9/28



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -91.478+/-123.891 χ^2/NDF:21.0/10

Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

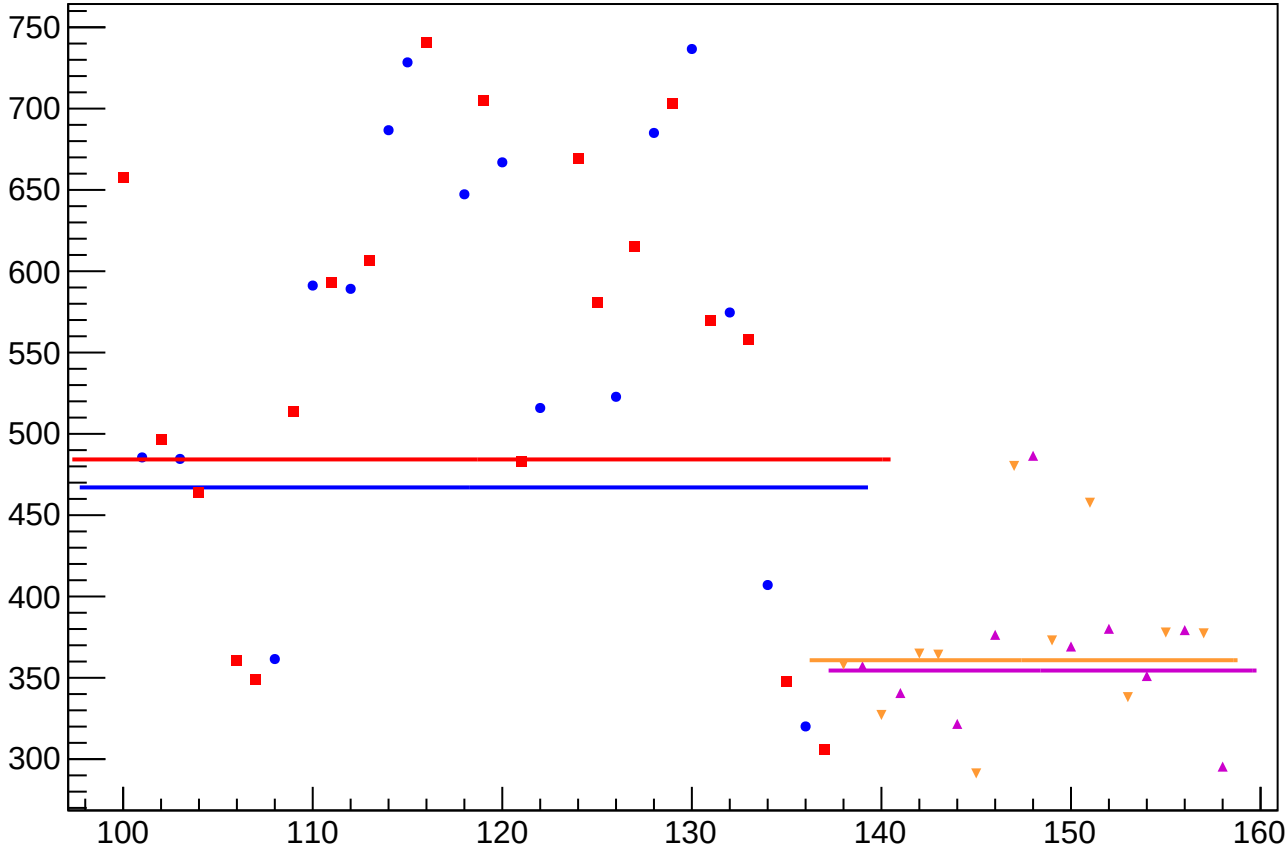
Left In: 33.270+/-121.347 χ^2/NDF:16.3/9

+ sign -178.697+/-102.163 χ^2/NDF: 37.8/26

All: -74.388+/-71.913 χ^2/NDF: 71.3/55

- sign 28.048+/-101.242 χ^2/NDF: 31.4/28

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 360.814+/-0.088 χ^2/NDF:300919.1/10

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

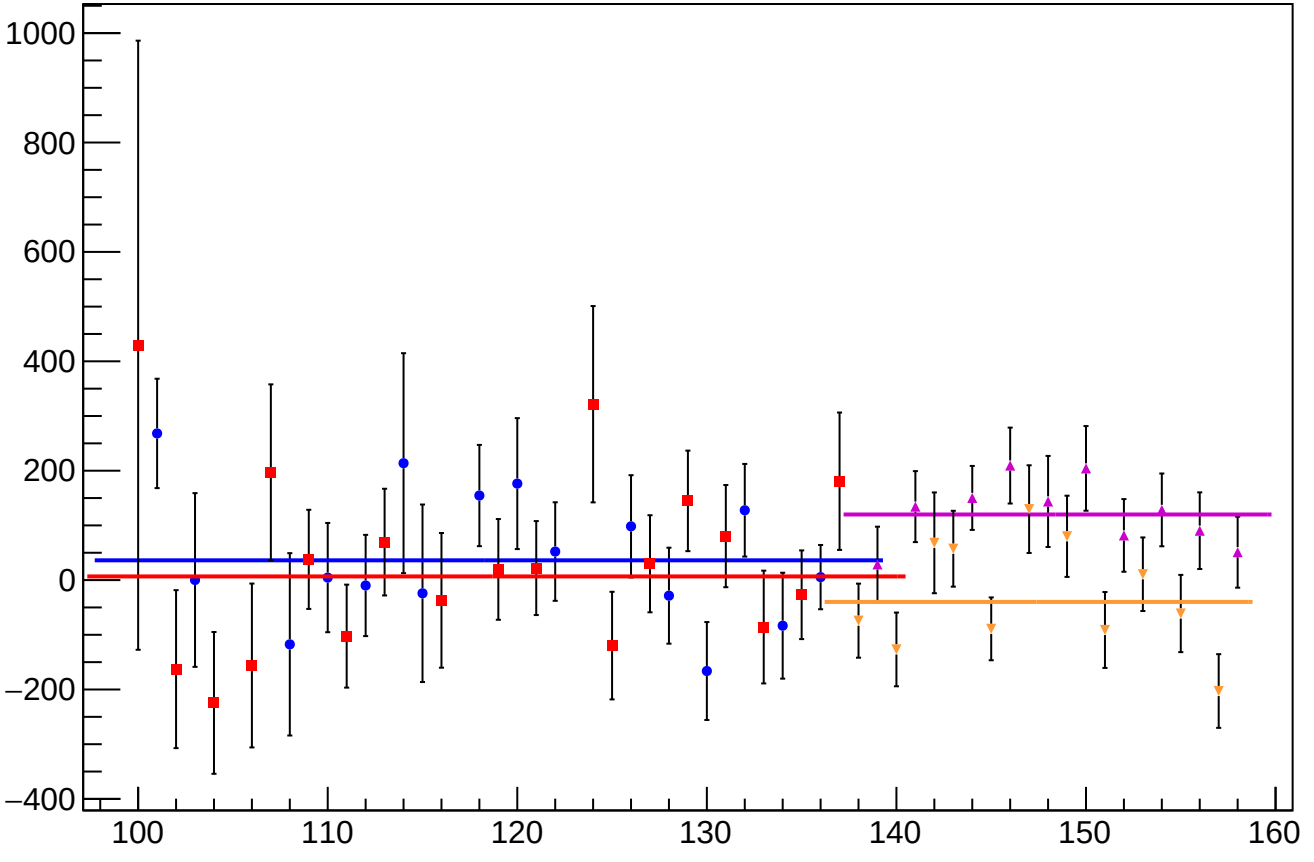
Left In: 354.471+/-0.086 χ^2/NDF:237591.3/9

\+ sign 394.816+/-0.072 χ^2/NDF: 1801967.6/26

All: 394.363+/-0.051 χ^2/NDF: 3623909.0/55

\- sign 393.919+/-0.072 χ^2/NDF: 1821863.5/28

dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -39.891+/-21.063 χ^2/NDF:20.1/10

Right Out: 6.734+/-24.565 χ^2/NDF: 20.3/18

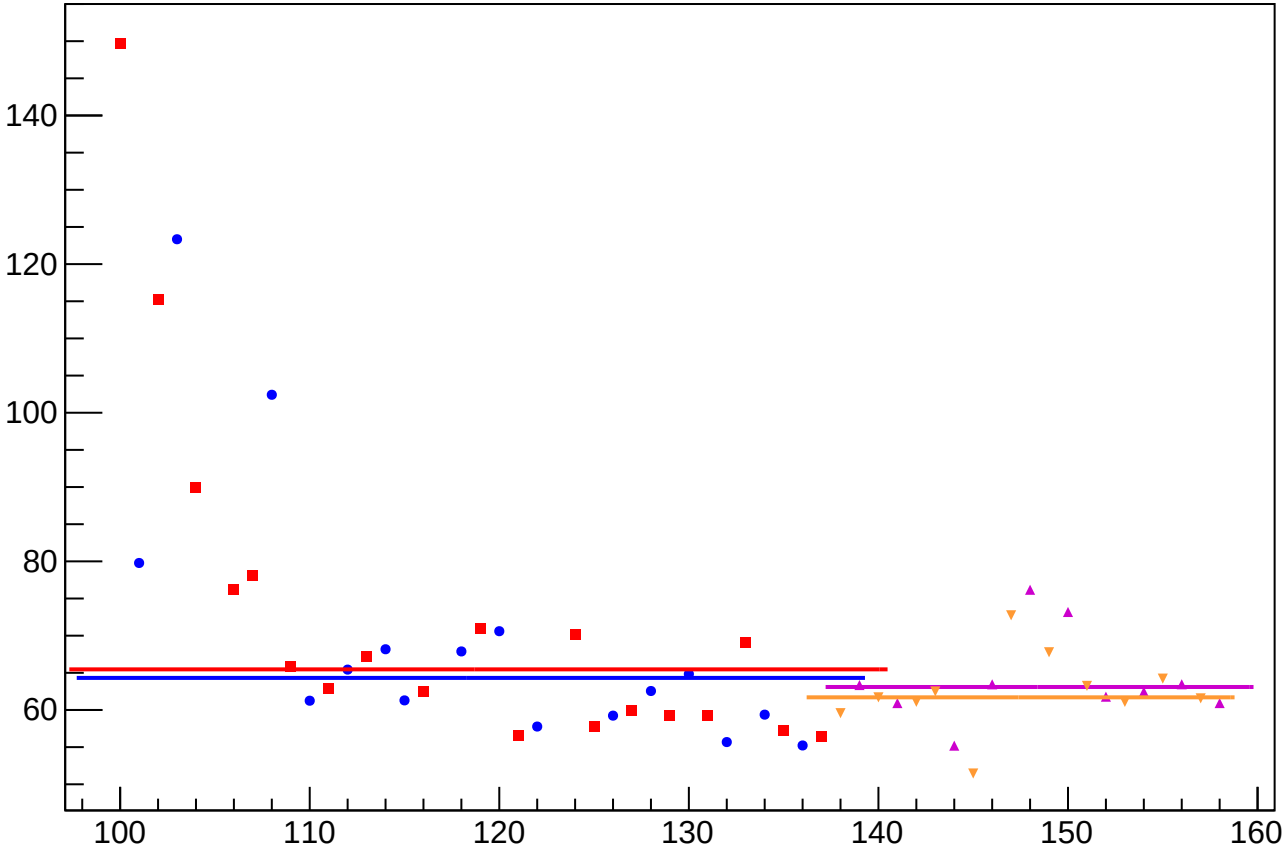
Left In: 119.948+/-21.551 χ^2/NDF:6.7/9

+ sign -7.527+/-15.964 χ^2/NDF: 45.3/26

All: 31.017+/-11.371 χ^2/NDF: 96.2/55

- sign 70.709+/-16.200 χ^2/NDF: 39.0/28

dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 61.702+/-0.015 χ^2/NDF:120989.1/10

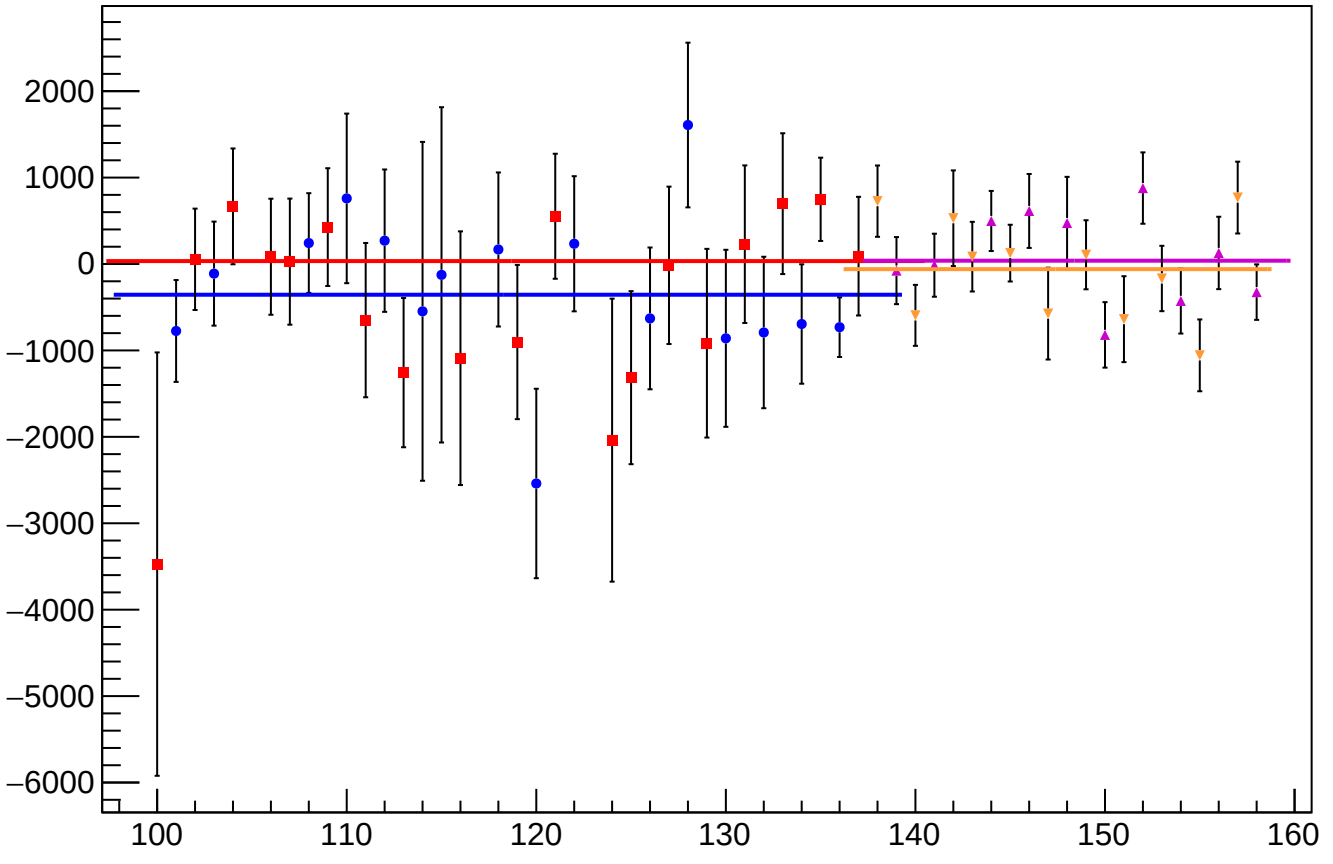
Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

Left In: 63.094+/-0.015 χ^2/NDF:125412.3/9

\+ sign 62.814+/-0.011 χ^2/NDF: 666168.5/26

All: 63.460+/-0.008 χ^2/NDF: 1291126.8/55

\- sign 64.126+/-0.011 χ^2/NDF: 618310.1/28



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: -59.541+/-123.996 χ^2/NDF:19.8/10

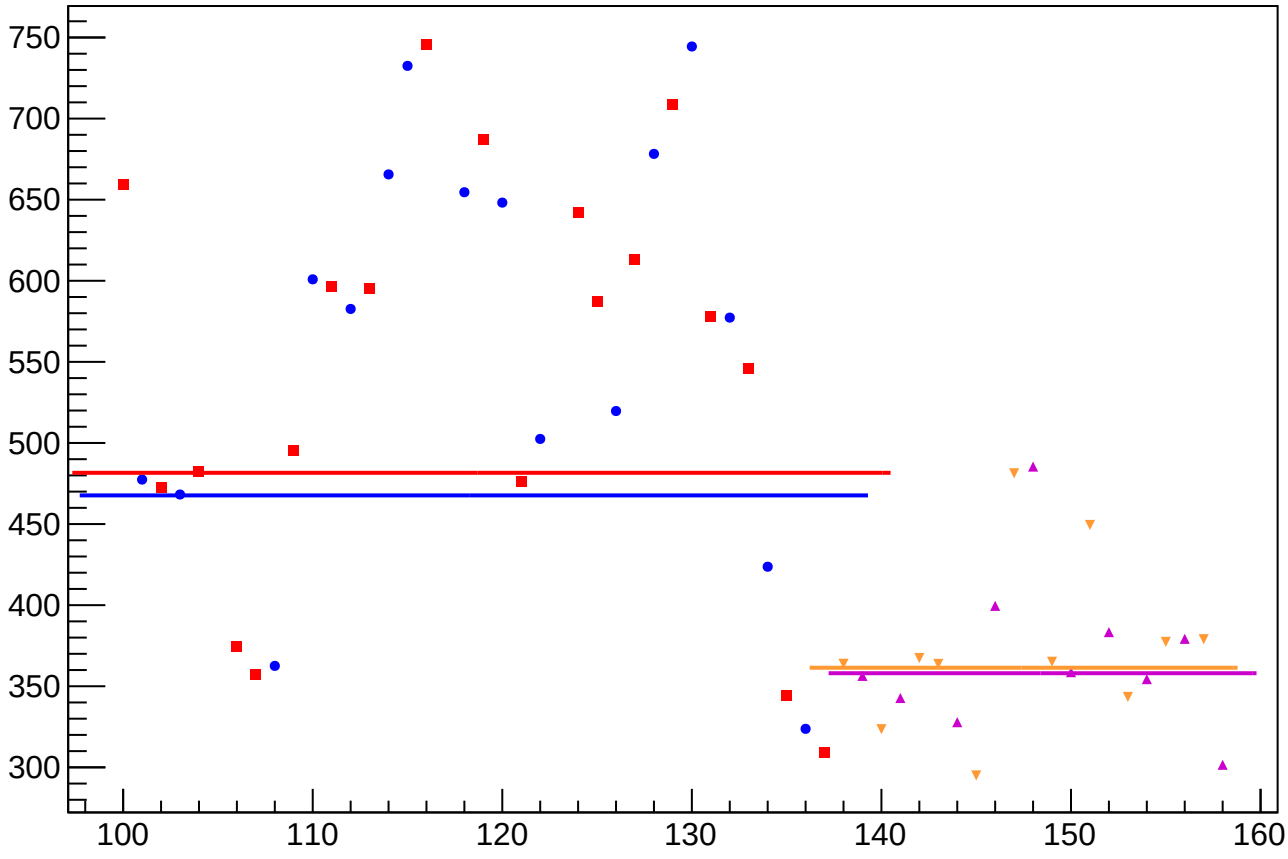
Right Out: 33.786+/-181.561 χ^2/NDF: 15.4/18

Left In: 38.224+/-122.511 χ^2/NDF:16.5/9

+ sign -154.556+/-102.173 χ^2/NDF: 36.4/26

All: -58.278+/-72.028 χ^2/NDF: 70.0/55

- sign 36.836+/-101.554 χ^2/NDF: 31.9/28



Right In: 467.674+/-0.128 χ^2/NDF: 985943.7/15

Left Out: 361.418+/-0.088 χ^2/NDF:281025.9/10

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

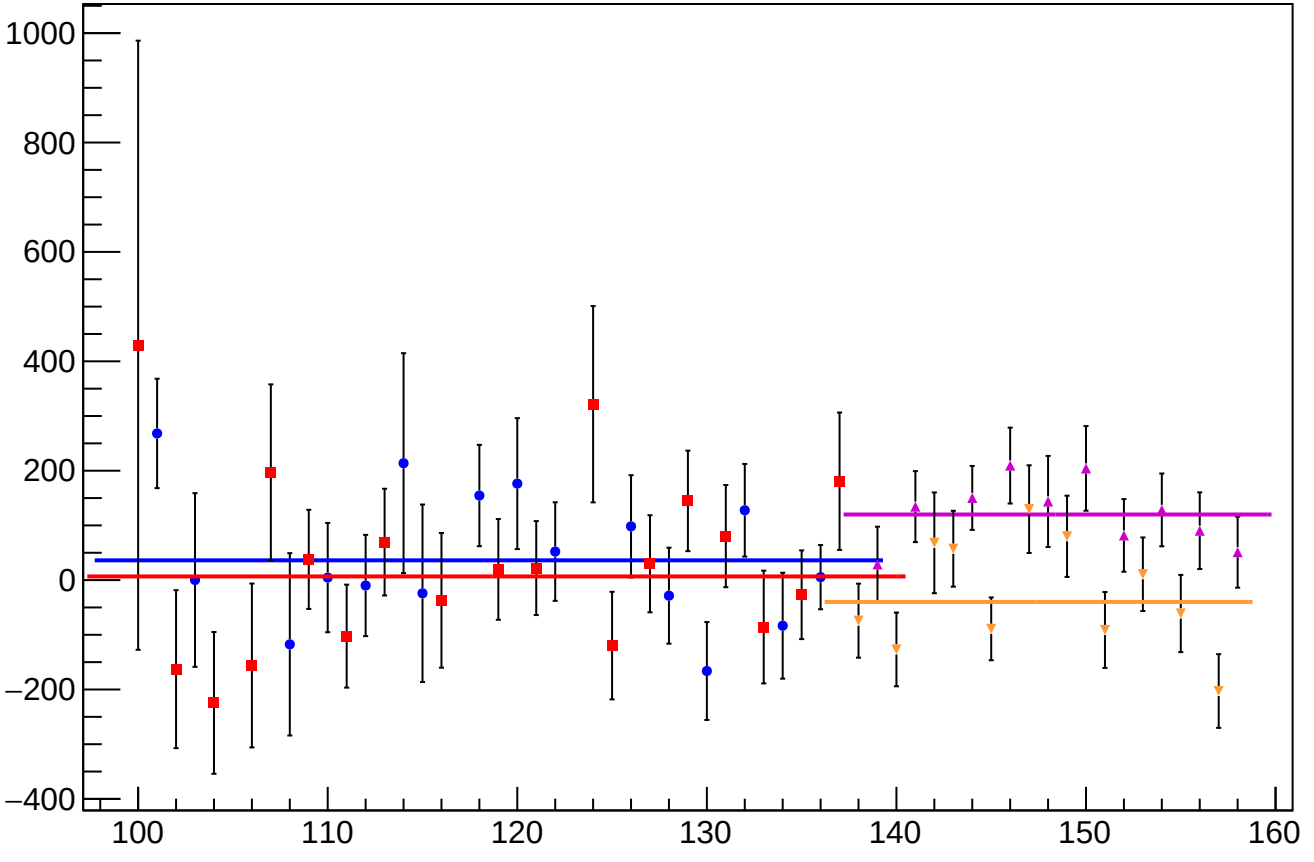
Left In: 358.032+/-0.087 χ^2/NDF:225848.2/9

+ sign 395.528+/-0.072 χ^2/NDF: 1738427.3/26

All: 396.113+/-0.051 χ^2/NDF: 3455240.8/55

- sign 396.692+/-0.072 χ^2/NDF: 1716682.8/28

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -39.890+/-21.063 χ^2/NDF:20.1/10

Right Out: 6.735+/-24.565 χ^2/NDF: 20.3/18

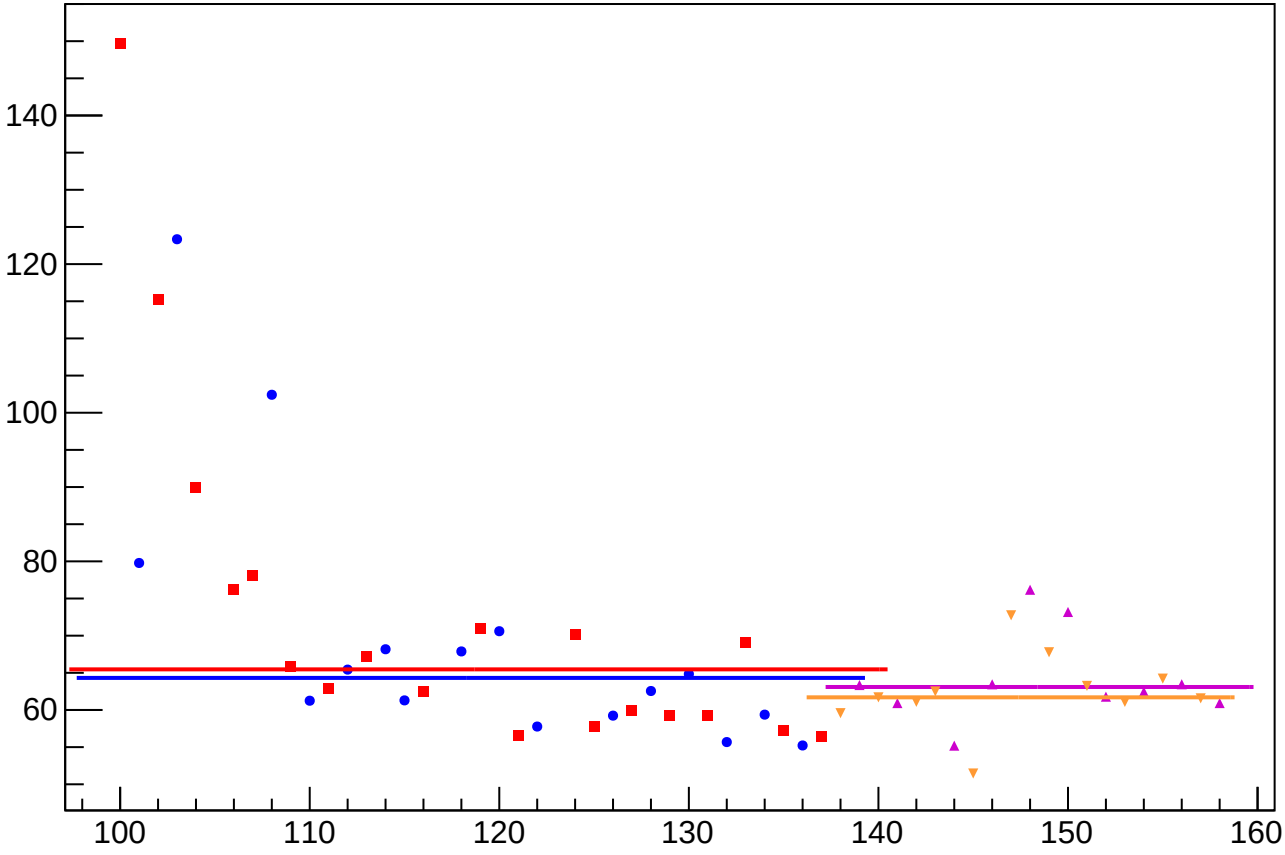
Left In: 119.948+/-21.551 χ^2/NDF:6.7/9

+ sign -7.526+/-15.964 χ^2/NDF: 45.3/26

All: 31.018+/-11.371 χ^2/NDF: 96.2/55

- sign 70.709+/-16.200 χ^2/NDF: 39.0/28

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 61.702+/-0.015 χ^2/NDF:120992.3/10

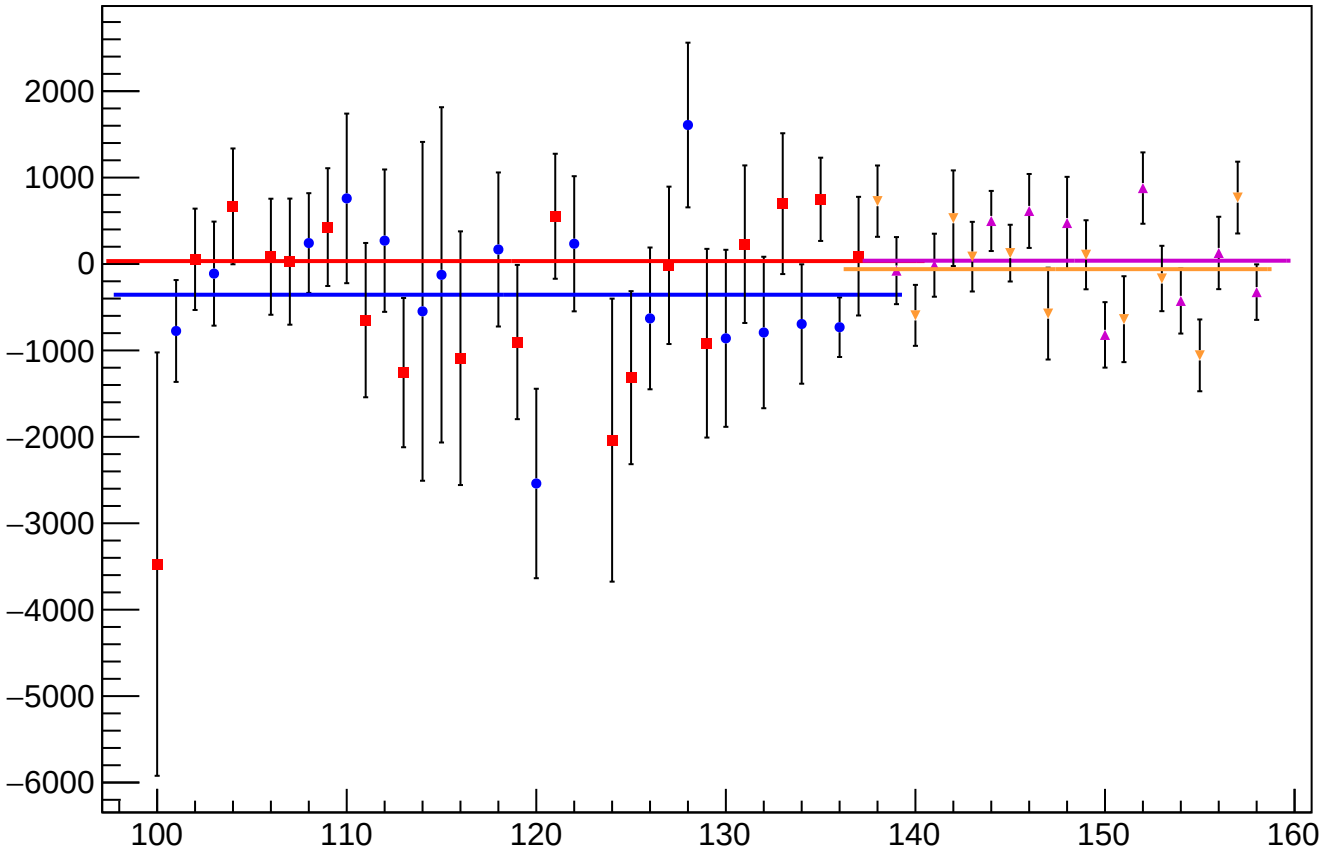
Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 63.094+/-0.015 χ^2/NDF:125414.7/9

+ sign 62.814+/-0.011 χ^2/NDF: 666177.8/26

All: 63.460+/-0.008 χ^2/NDF: 1291142.7/55

- sign 64.126+/-0.011 χ^2/NDF: 618317.0/28



Right In: -355.529+/-180.334 χ^2/NDF: 14.8/15

Left Out: -59.540+/-123.996 χ^2/NDF:19.8/10

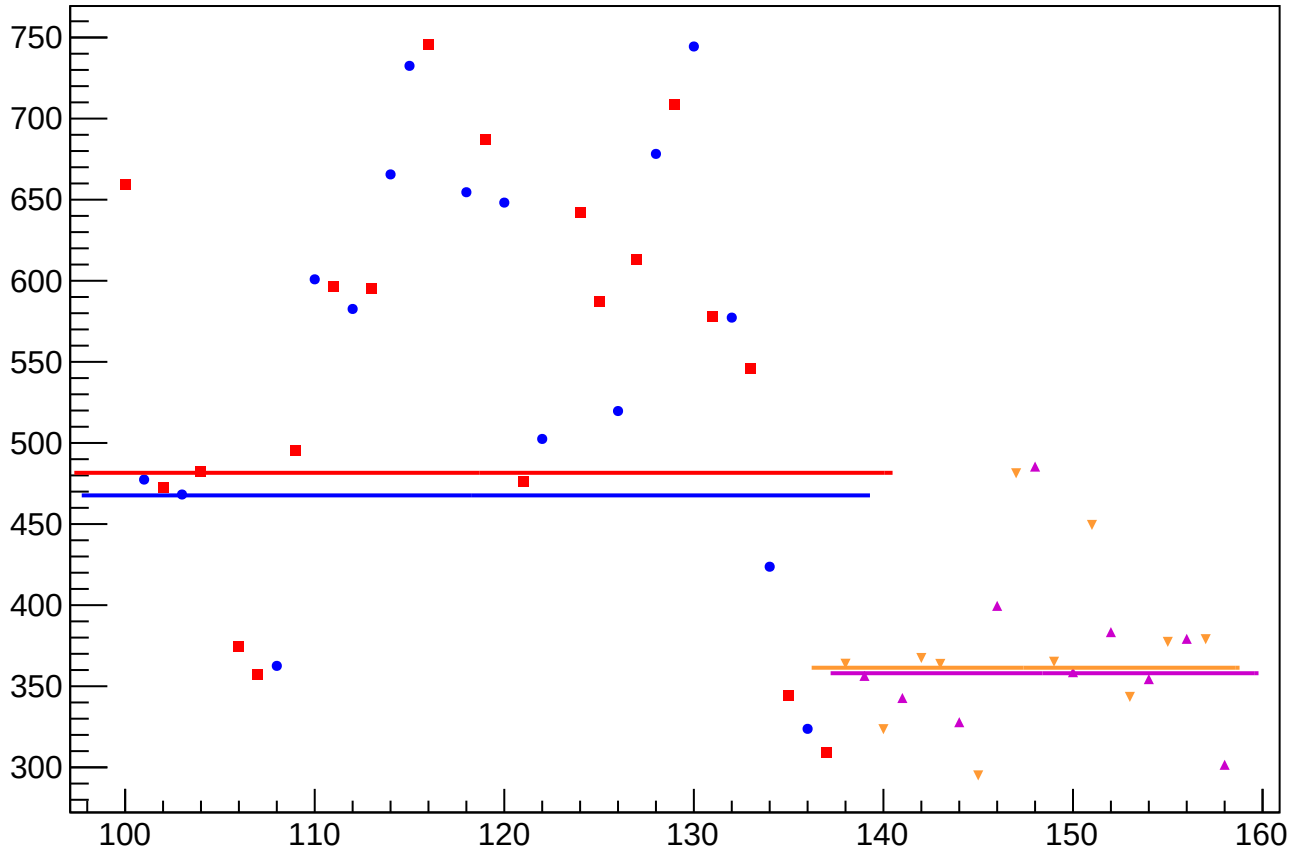
Right Out: 33.787+/-181.560 χ^2/NDF: 15.4/18

Left In: 38.224+/-122.511 χ^2/NDF:16.5/9

+ sign -154.556+/-102.173 χ^2/NDF: 36.4/26

All: -58.278+/-72.028 χ^2/NDF: 70.0/55

- sign 36.836+/-101.554 χ^2/NDF: 31.9/28



Right In: 467.674+/-0.128 χ^2/NDF: 985945.4/15

Left Out: 361.419+/-0.088 χ^2/NDF:281025.4/10

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

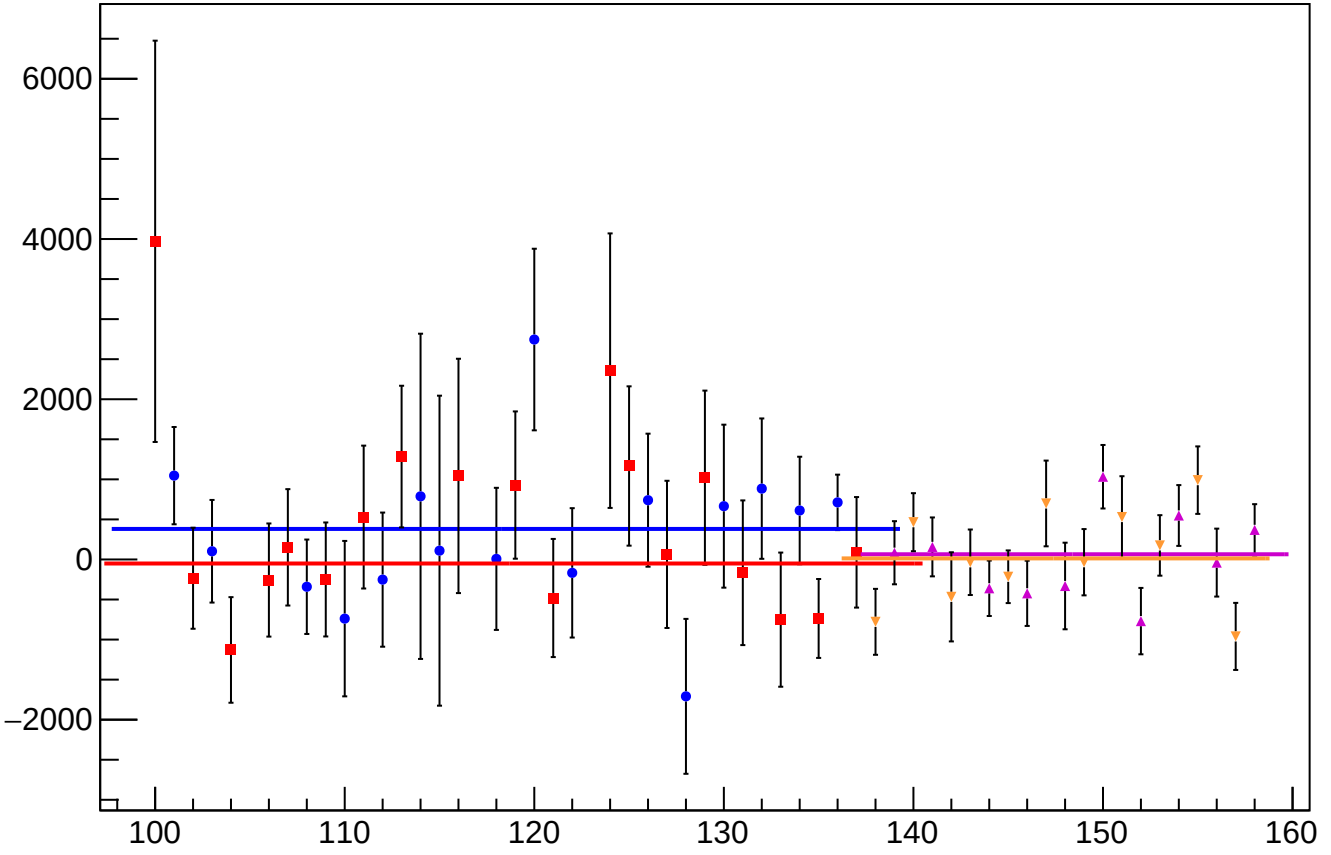
Left In: 358.033+/-0.087 χ^2/NDF:225849.2/9

+ sign 395.528+/-0.072 χ^2/NDF: 1738422.1/26

All: 396.113+/-0.051 χ^2/NDF: 3455227.5/55

- sign 396.692+/-0.072 χ^2/NDF: 1716674.8/28

asym_sam_13_57_dd_mean vs Slug



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: 13.279+/-125.461 χ^2/NDF:20.2/10

Right Out: -50.392+/-185.262 χ^2/NDF: 17.5/18

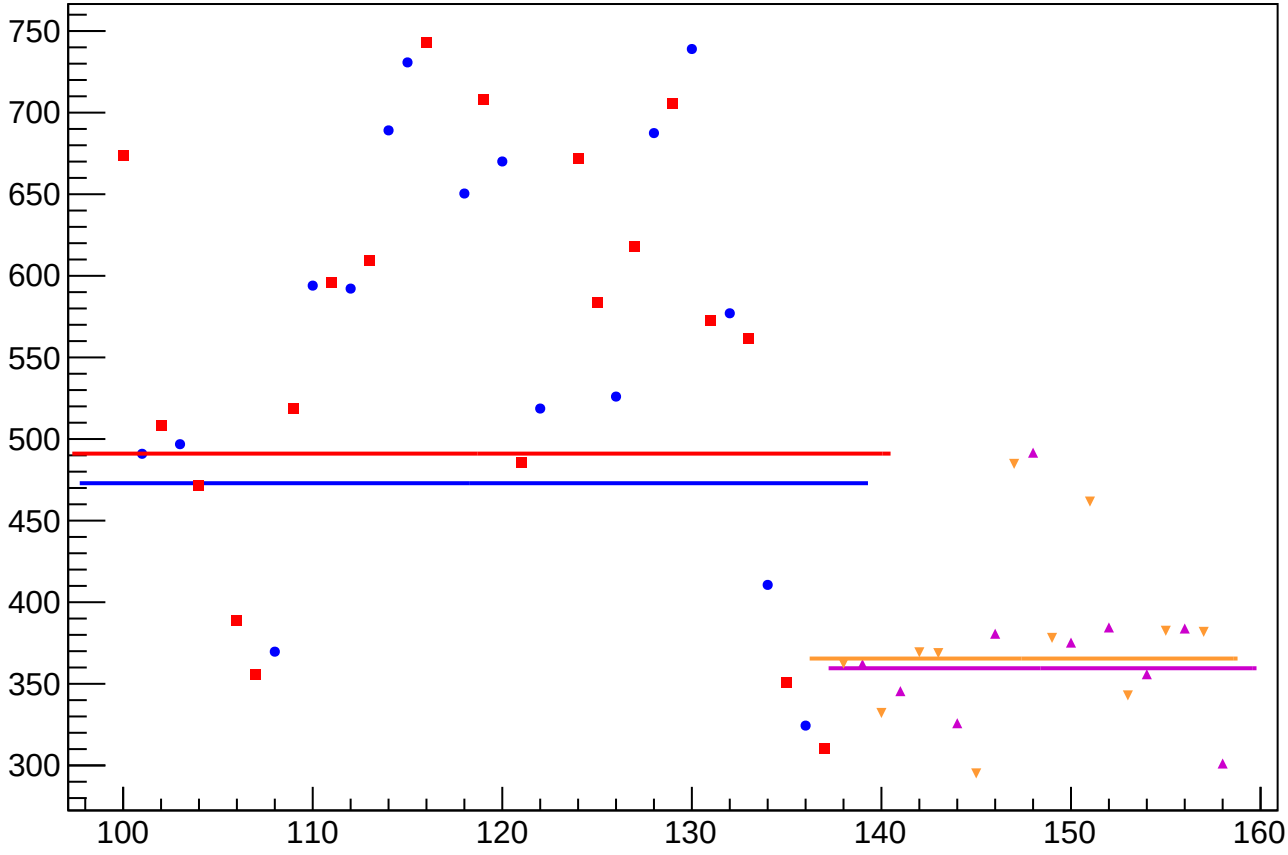
Left In: 64.867+/-123.043 χ^2/NDF:16.1/9

+ sign 131.183+/-103.416 χ^2/NDF: 39.1/26

All: 79.932+/-72.799 χ^2/NDF: 73.4/55

- sign 29.587+/-102.497 χ^2/NDF: 33.9/28

asym_sam_13_57_dd_rms vs Slug



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 365.490+/-0.089 χ^2/NDF:294946.8/10

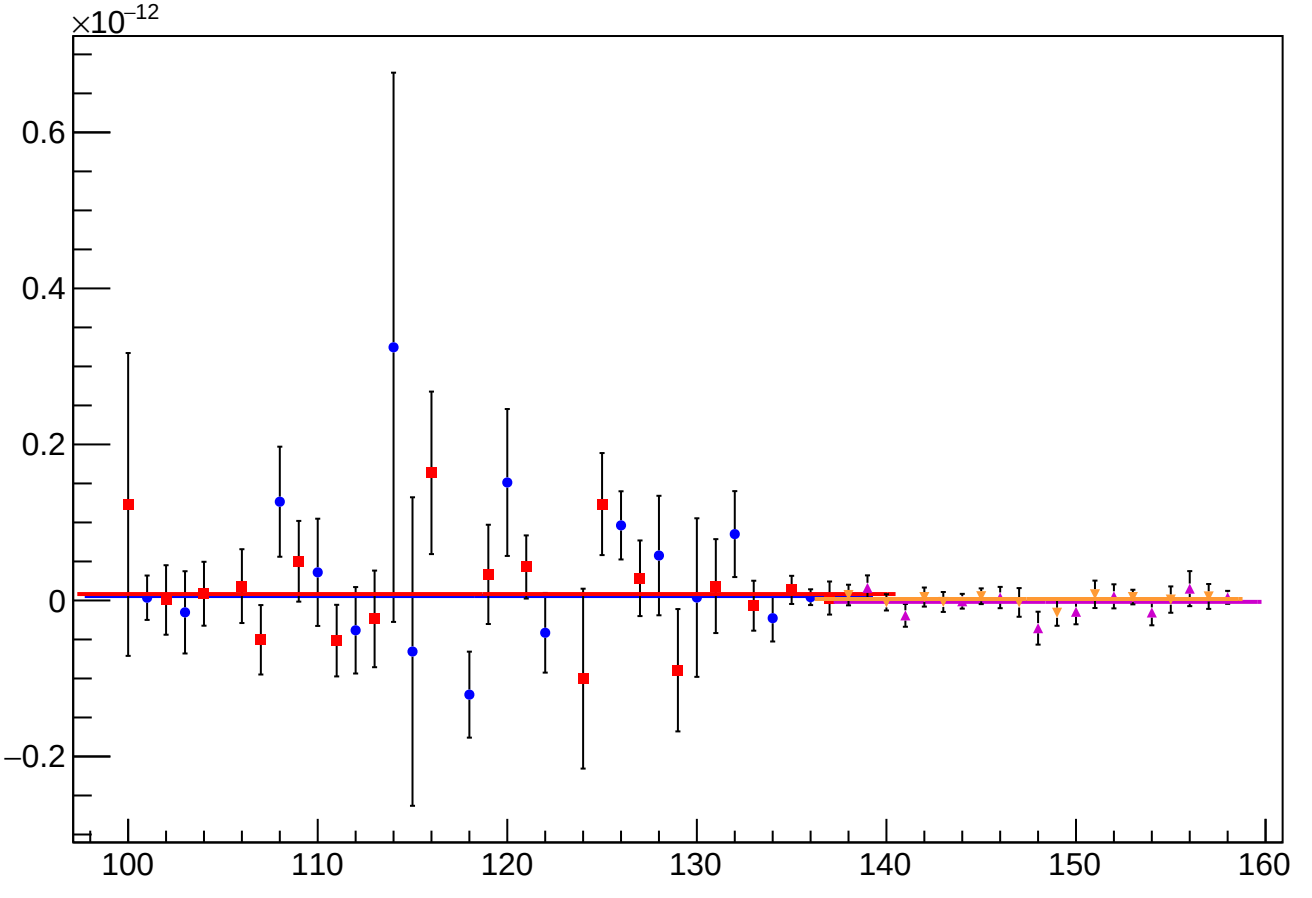
Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 359.543+/-0.087 χ^2/NDF:230200.9/9

+ sign 399.929+/-0.073 χ^2/NDF: 1765334.5/26

All: 399.864+/-0.051 χ^2/NDF: 3542464.2/55

- sign 399.800+/-0.072 χ^2/NDF: 1777128.2/28



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.0/10

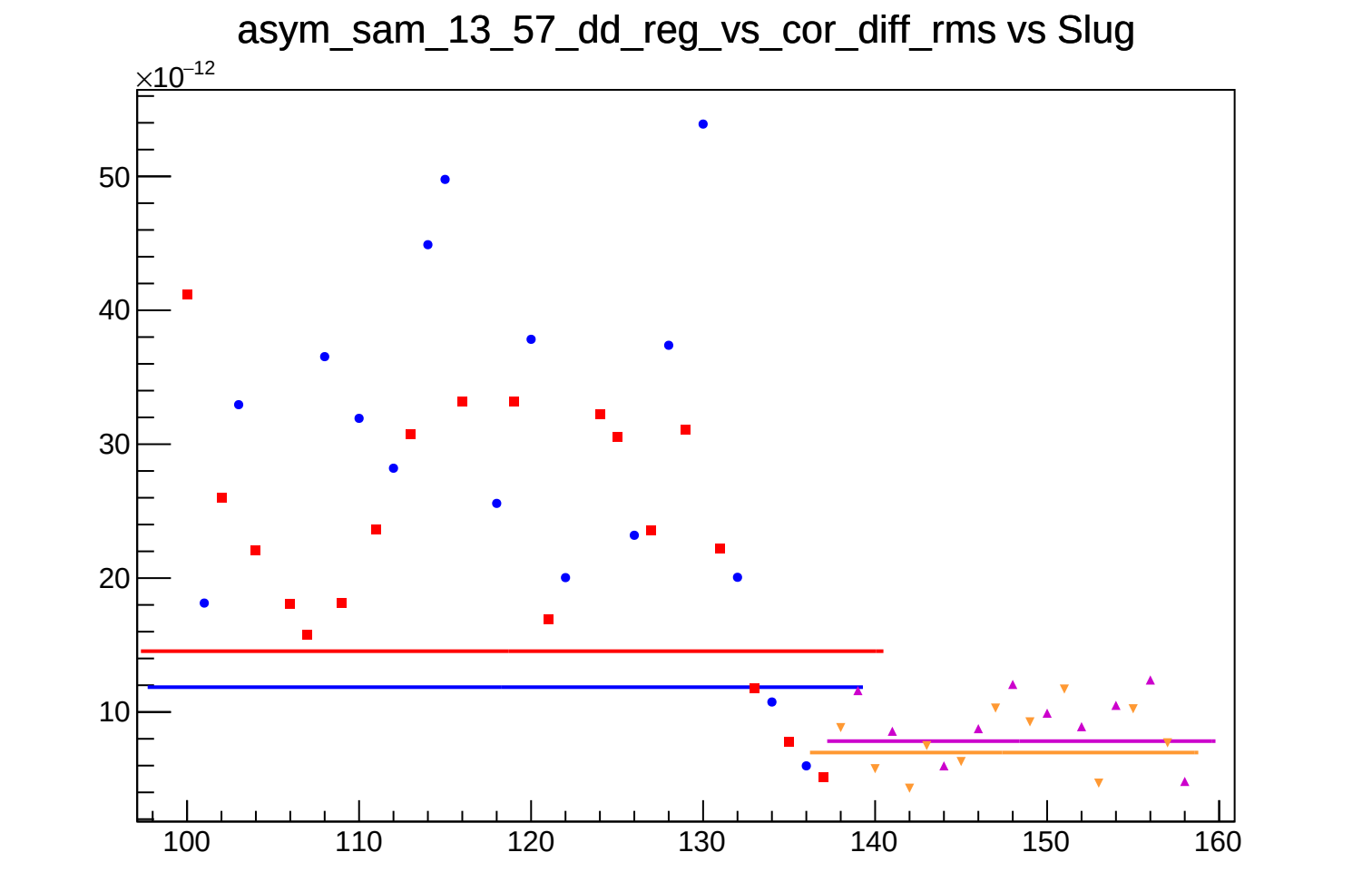
Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: -0.000+/-0.000 χ^2/NDF:8.0/9

+ sign 0.000+/-0.000 χ^2/NDF: 23.3/26

All: 0.000+/-0.000 χ^2/NDF: 46.5/55

- sign -0.000+/-0.000 χ^2/NDF: 22.9/28



Right In: 0.000+/-0.000 χ^2/NDF: 2848478.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:619786.2/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1769864.5/18

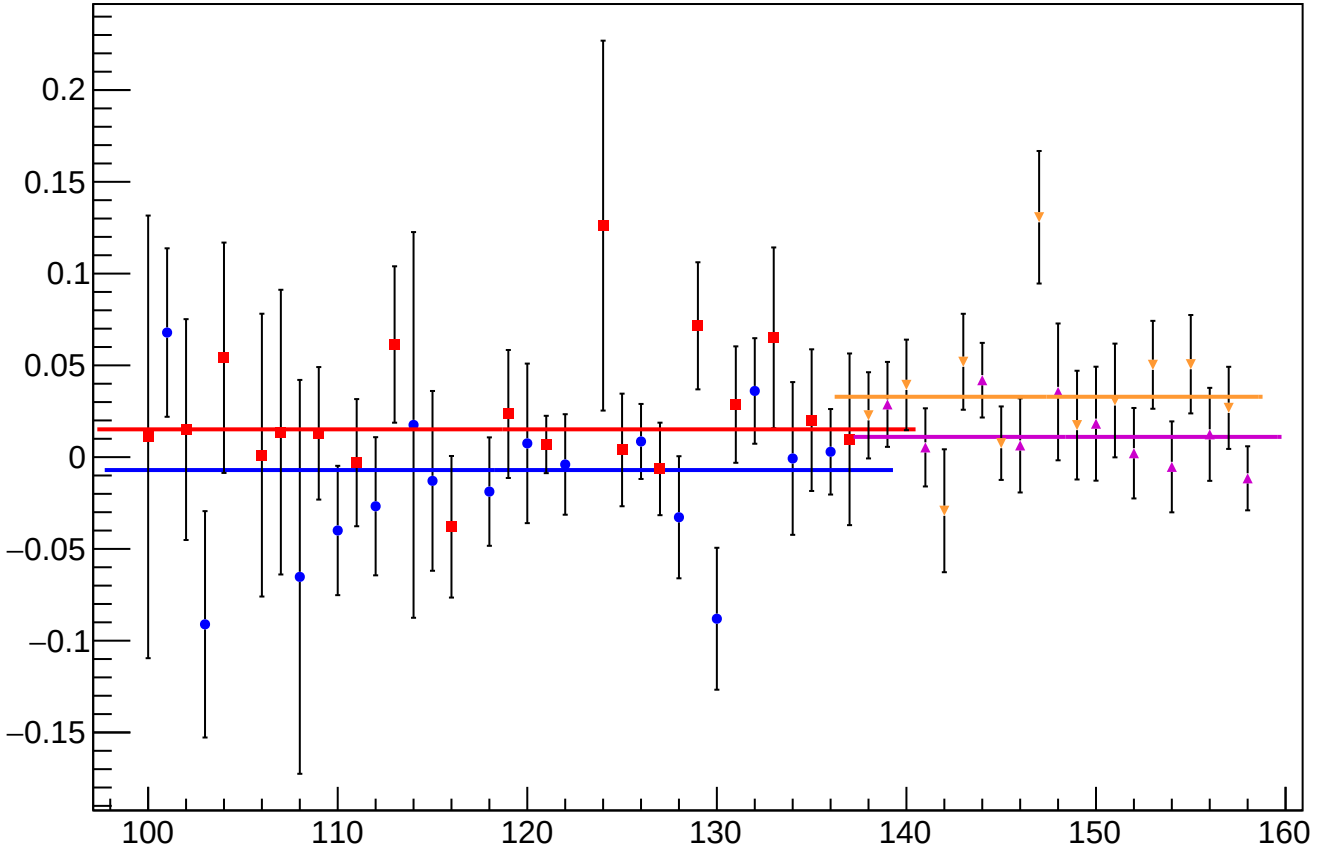
Left In: 0.000+/-0.000 χ^2/NDF:723997.0/9

+ sign 0.000+/-0.000 χ^2/NDF: 4058290.3/26

All: 0.000+/-0.000 χ^2/NDF: 7505978.9/55

- sign 0.000+/-0.000 χ^2/NDF: 3359098.1/28

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.033+/-0.008 χ^2/NDF:14.5/10

Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

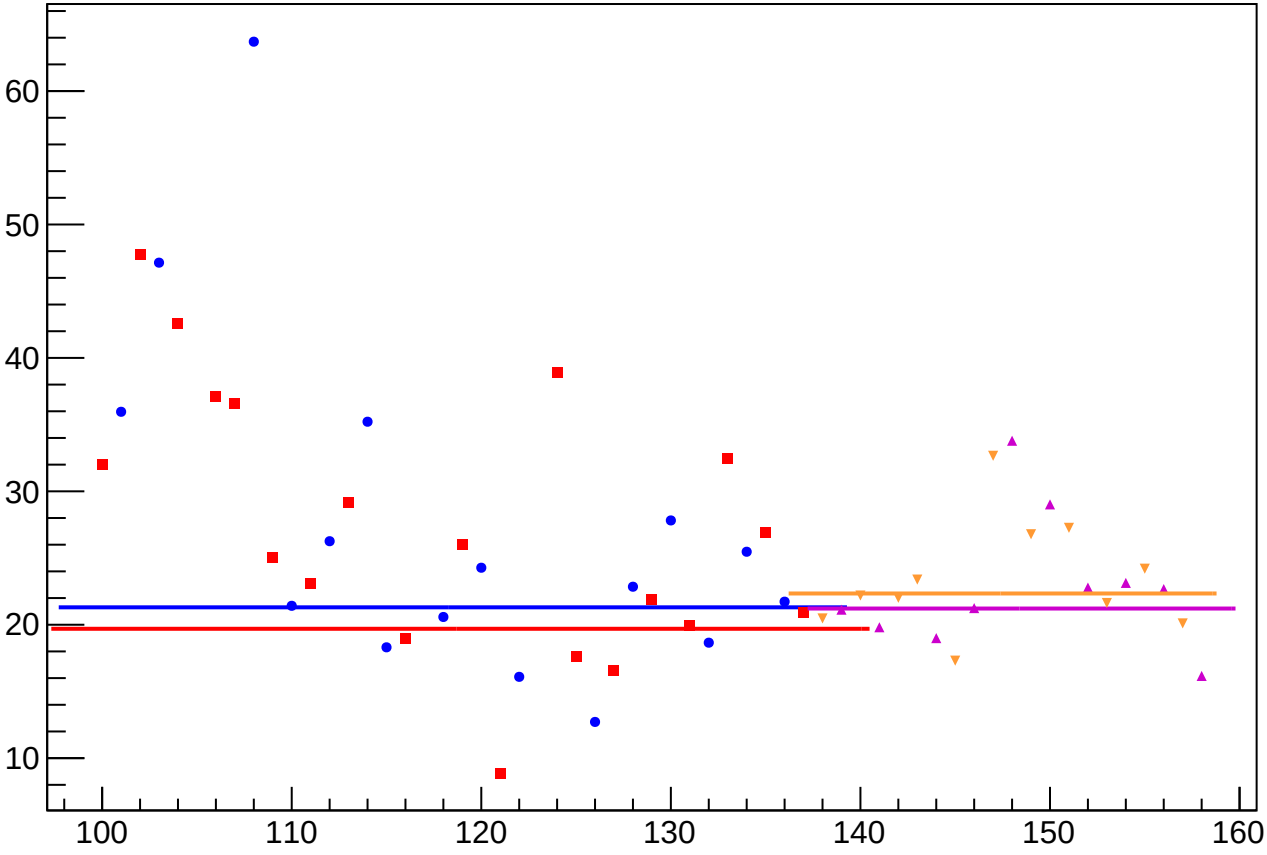
Left In: 0.011+/-0.007 χ^2/NDF:5.7/9

+ sign 0.015+/-0.006 χ^2/NDF: 40.6/26

All: 0.014+/-0.004 χ^2/NDF: 56.6/55

- sign 0.013+/-0.006 χ^2/NDF: 15.9/28

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 22.343+/-0.006 χ^2/NDF:432893.2/10

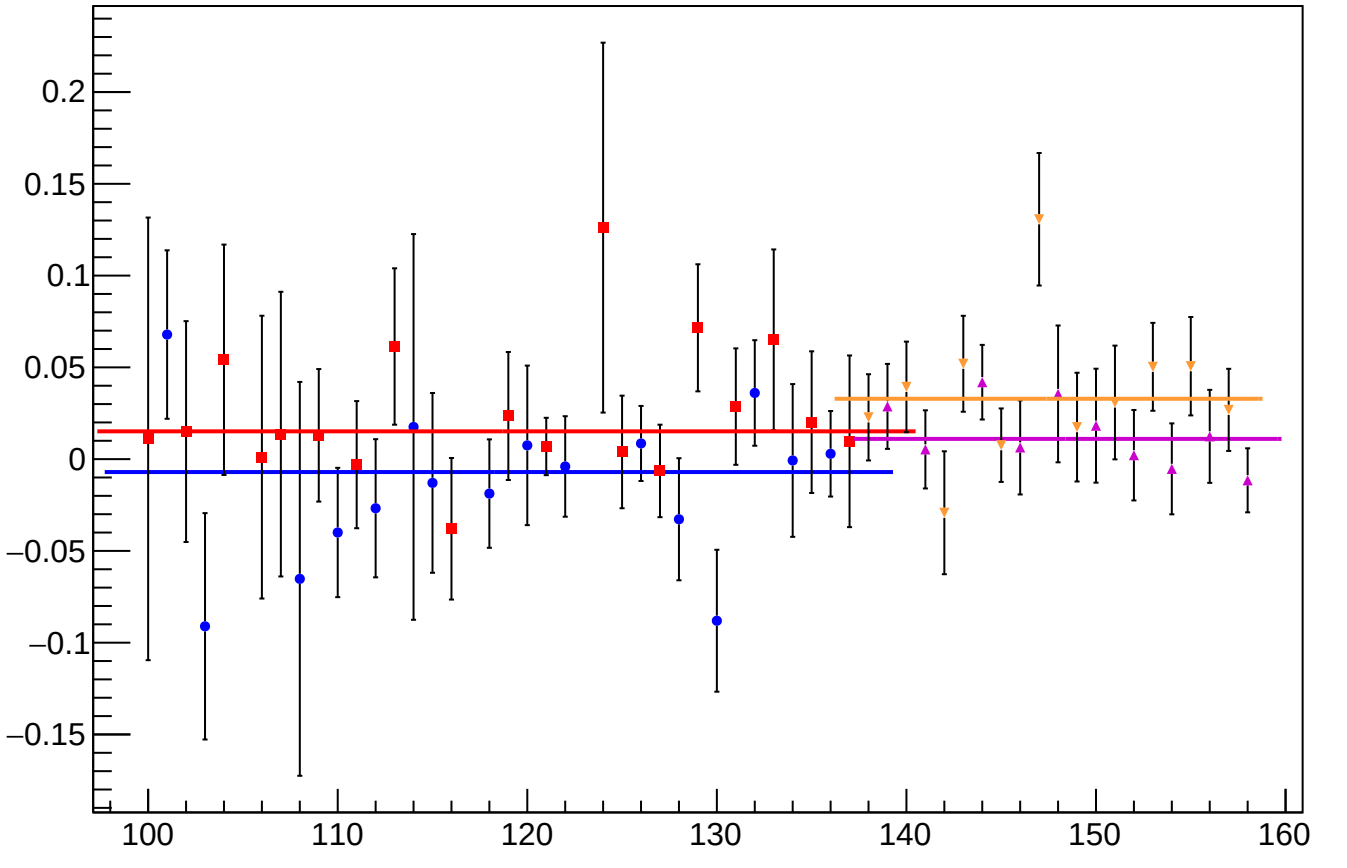
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 21.215+/-0.005 χ^2/NDF:581090.1/9

+ sign 21.875+/-0.004 χ^2/NDF: 1928187.9/26

All: 21.171+/-0.003 χ^2/NDF: 5042151.2/55

- sign 20.528+/-0.004 χ^2/NDF: 3057352.9/28



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.033+/-0.008 χ^2/NDF:14.5/10

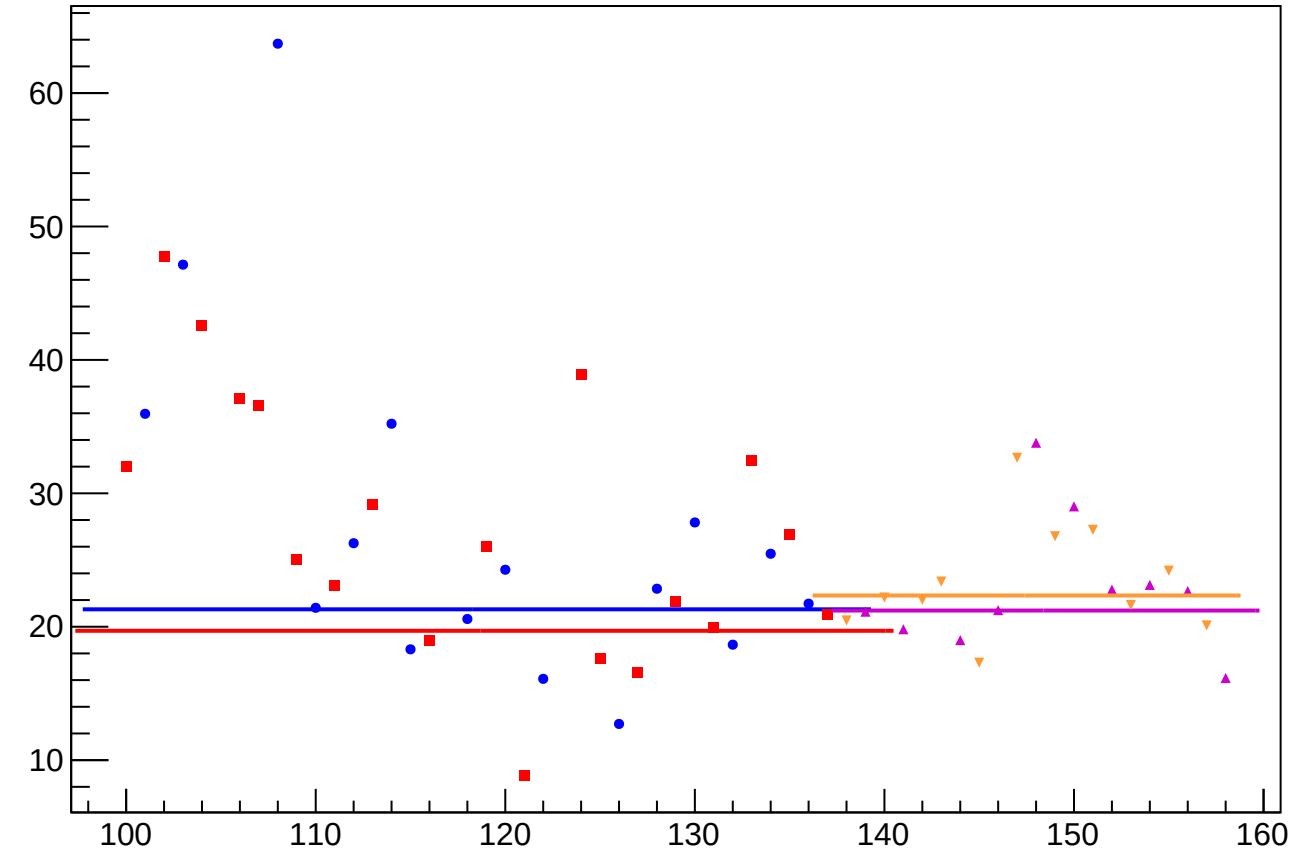
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.011+/-0.007 χ^2/NDF:5.7/9

\+ sign 0.015+/-0.006 χ^2/NDF: 40.6/26

All: 0.014+/-0.004 χ^2/NDF: 56.6/55

\- sign 0.013+/-0.006 χ^2/NDF: 15.9/28



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 22.343+/-0.006 χ^2/NDF:432893.2/10

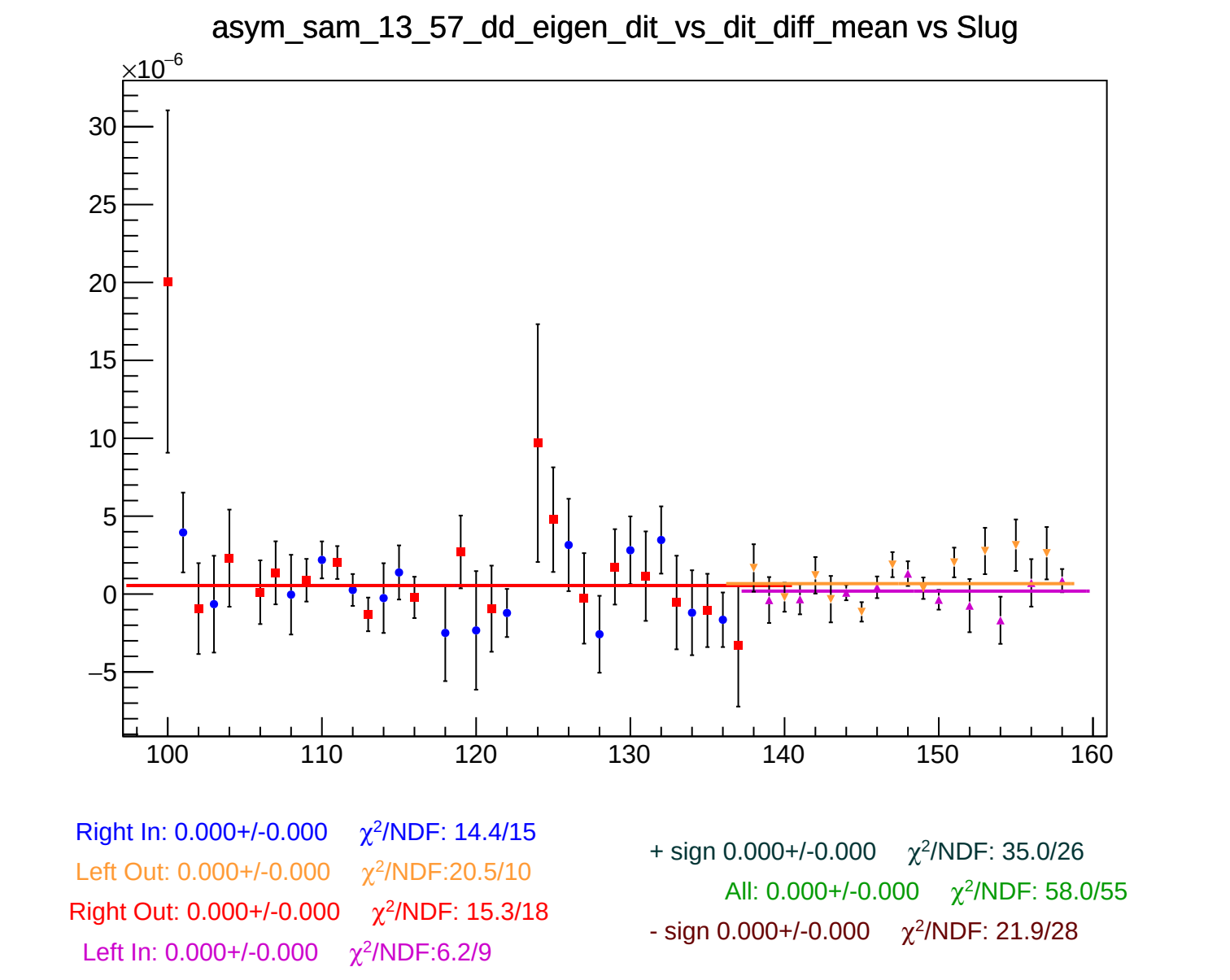
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

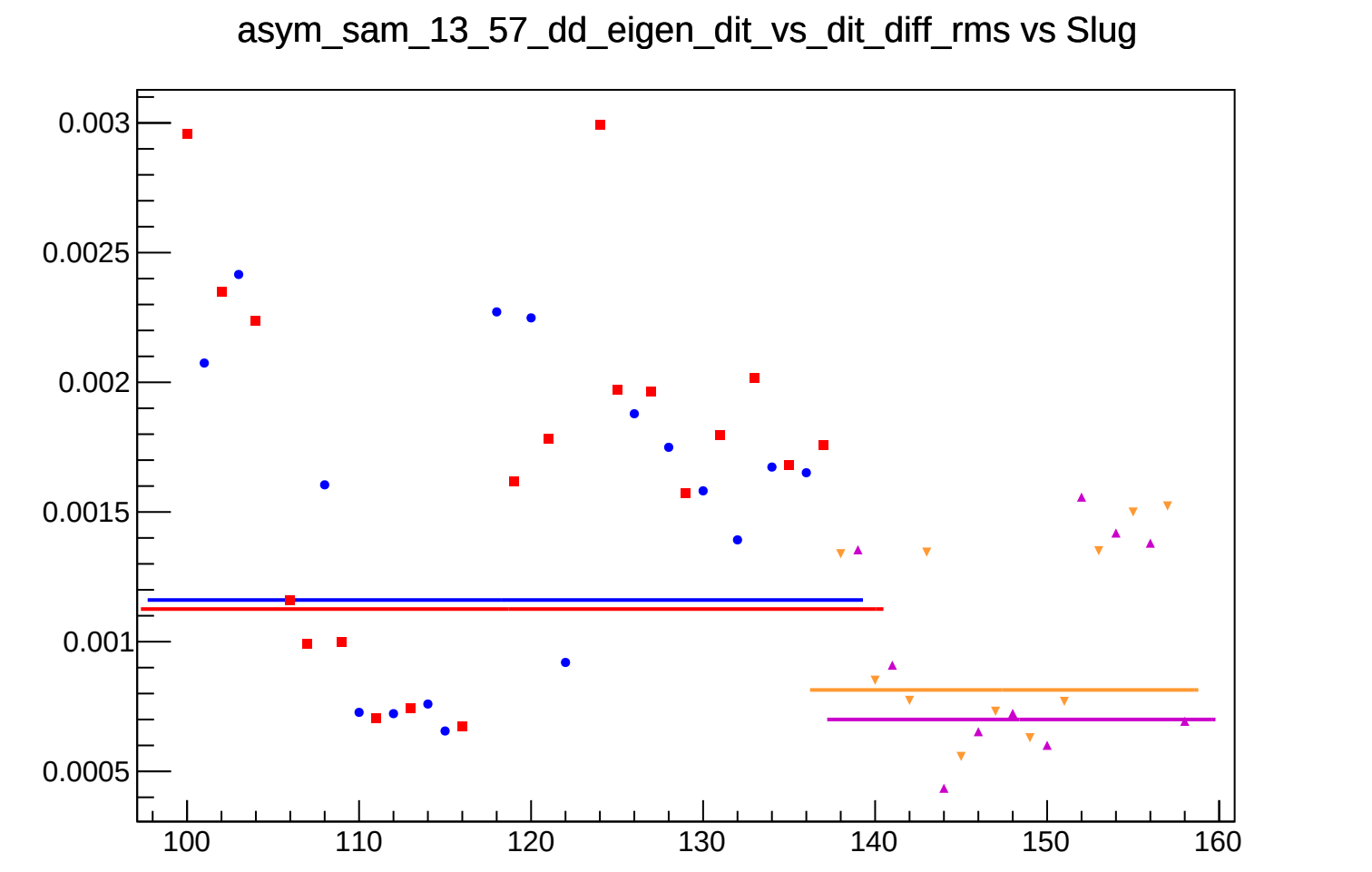
Left In: 21.215+/-0.005 χ^2/NDF:581090.1/9

+ sign 21.875+/-0.004 χ^2/NDF: 1928187.9/26

All: 21.171+/-0.003 χ^2/NDF: 5042151.2/55

- sign 20.528+/-0.004 χ^2/NDF: 3057352.9/28


asym_sam_13_57_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10^−6
30
25
20
15
10
5
0
−5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 14.4/15
Left Out: 0.000+/-0.000 χ²/NDF:20.5/10
Right Out: 0.000+/-0.000 χ²/NDF: 15.3/18
Left In: 0.000+/-0.000 χ²/NDF:6.2/9
+ sign 0.000+/-0.000 χ²/NDF: 35.0/26
All: 0.000+/-0.000 χ²/NDF: 58.0/55
- sign 0.000+/-0.000 χ²/NDF: 21.9/28



Right In: 0.001+/-0.000 χ^2/NDF: 2534643.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:1964894.3/10

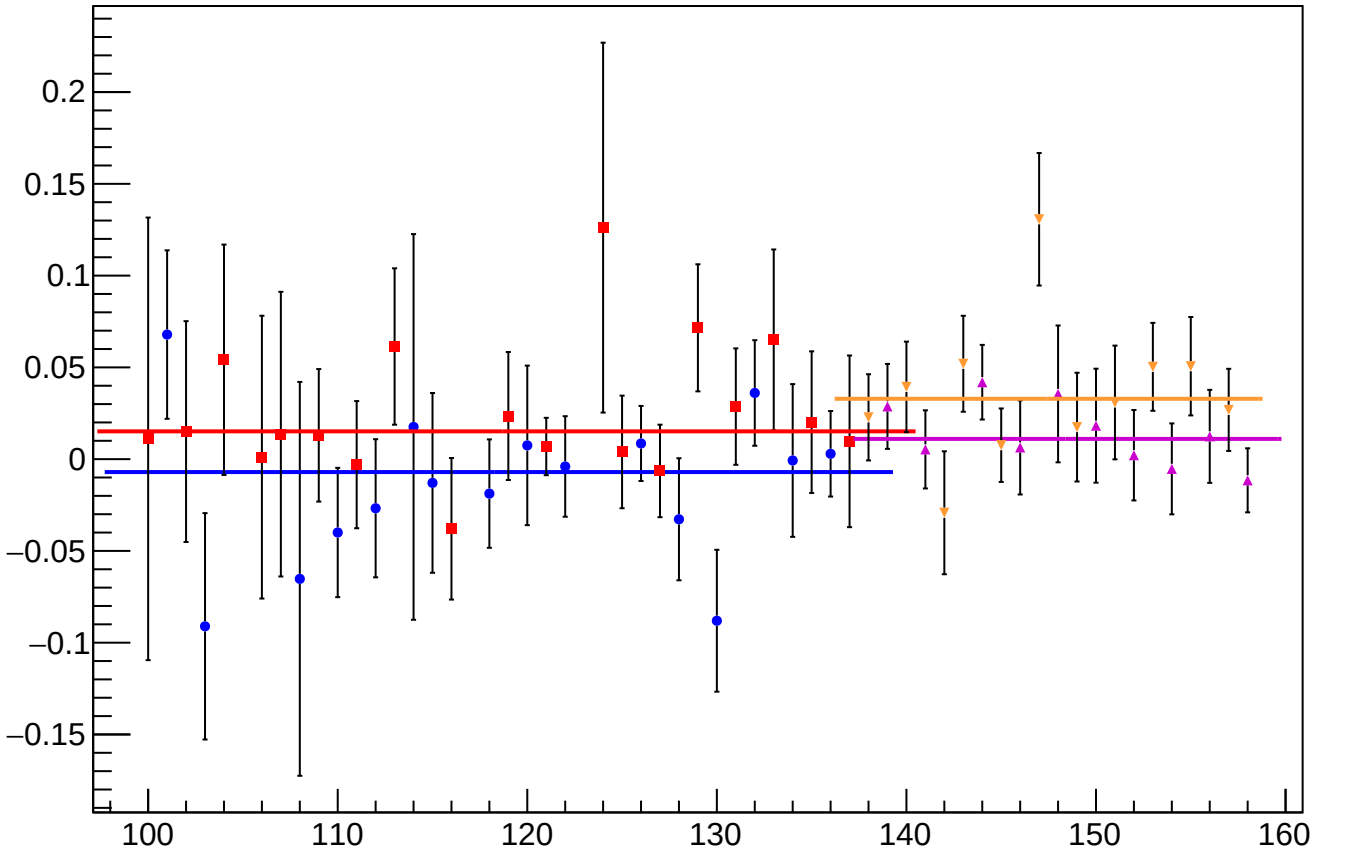
Right Out: 0.001+/-0.000 χ^2/NDF: 2623987.9/18

Left In: 0.001+/-0.000 χ^2/NDF:2488577.5/9

+ sign 0.001+/-0.000 χ^2/NDF: 5255557.7/26

All: 0.001+/-0.000 χ^2/NDF: 11875162.2/55

- sign 0.001+/-0.000 χ^2/NDF: 6418698.6/28



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.033+/-0.008 χ^2/NDF:14.5/10

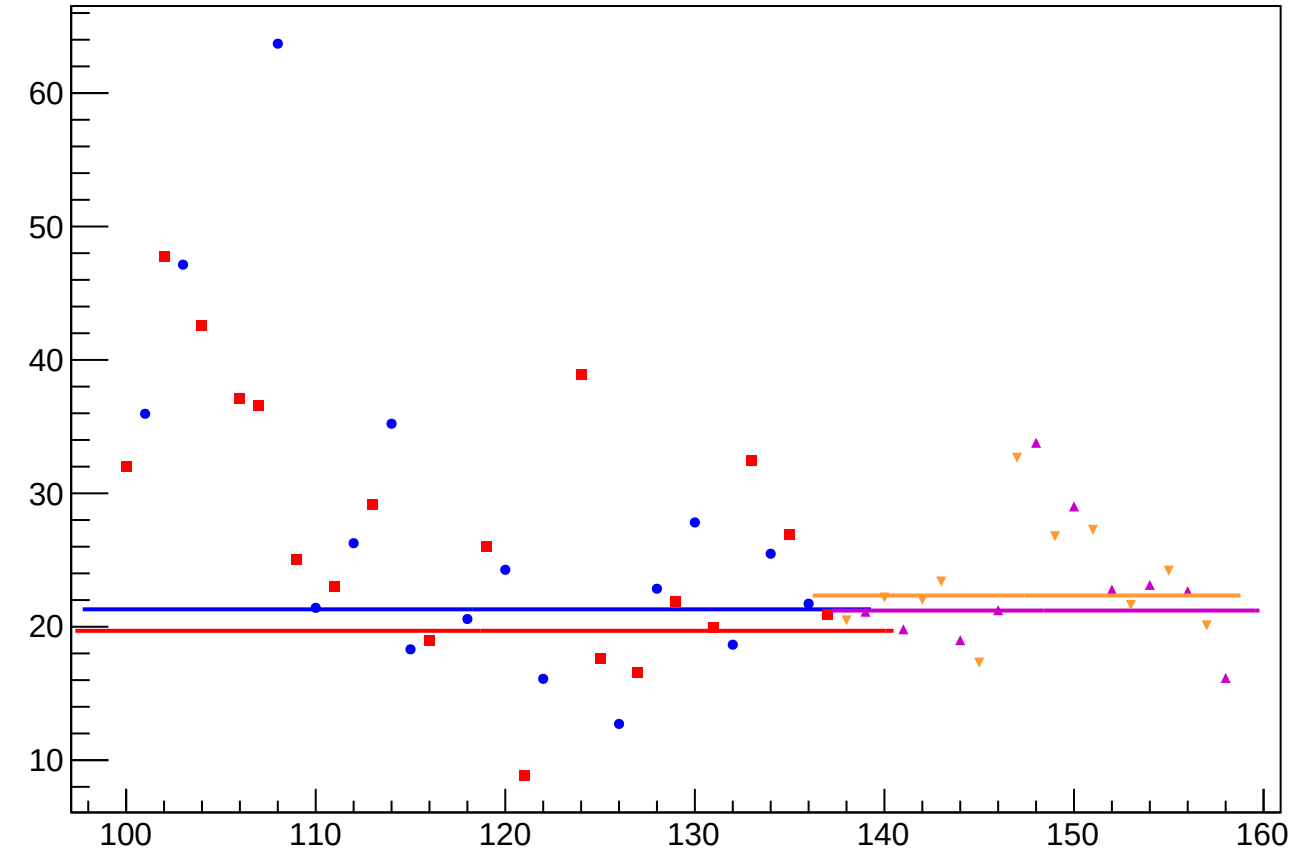
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.011+/-0.007 χ^2/NDF:5.7/9

+ sign 0.015+/-0.006 χ^2/NDF: 40.6/26

All: 0.014+/-0.004 χ^2/NDF: 56.6/55

- sign 0.013+/-0.006 χ^2/NDF: 15.9/28



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 22.343+/-0.006 χ^2/NDF:432920.9/10

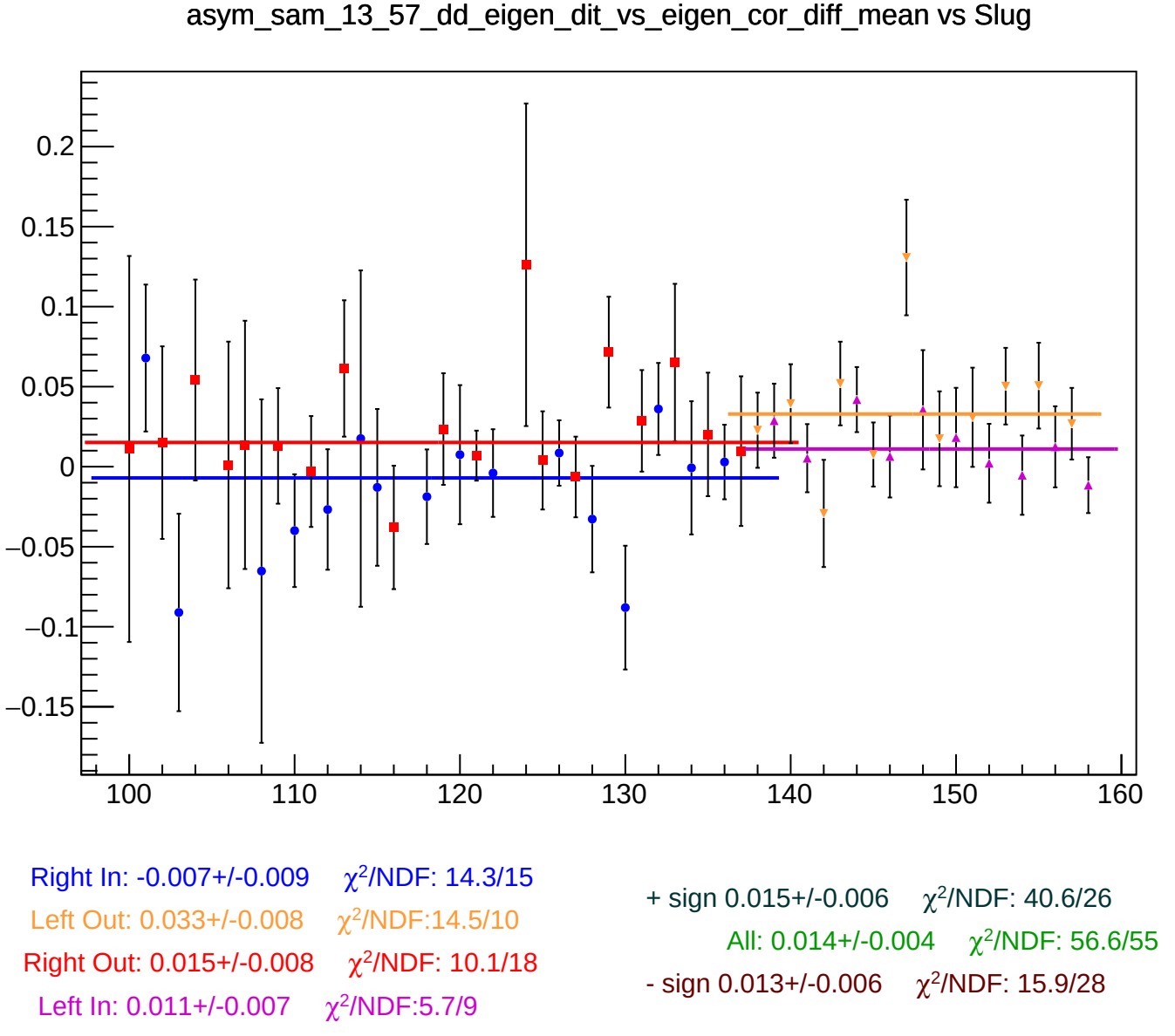
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

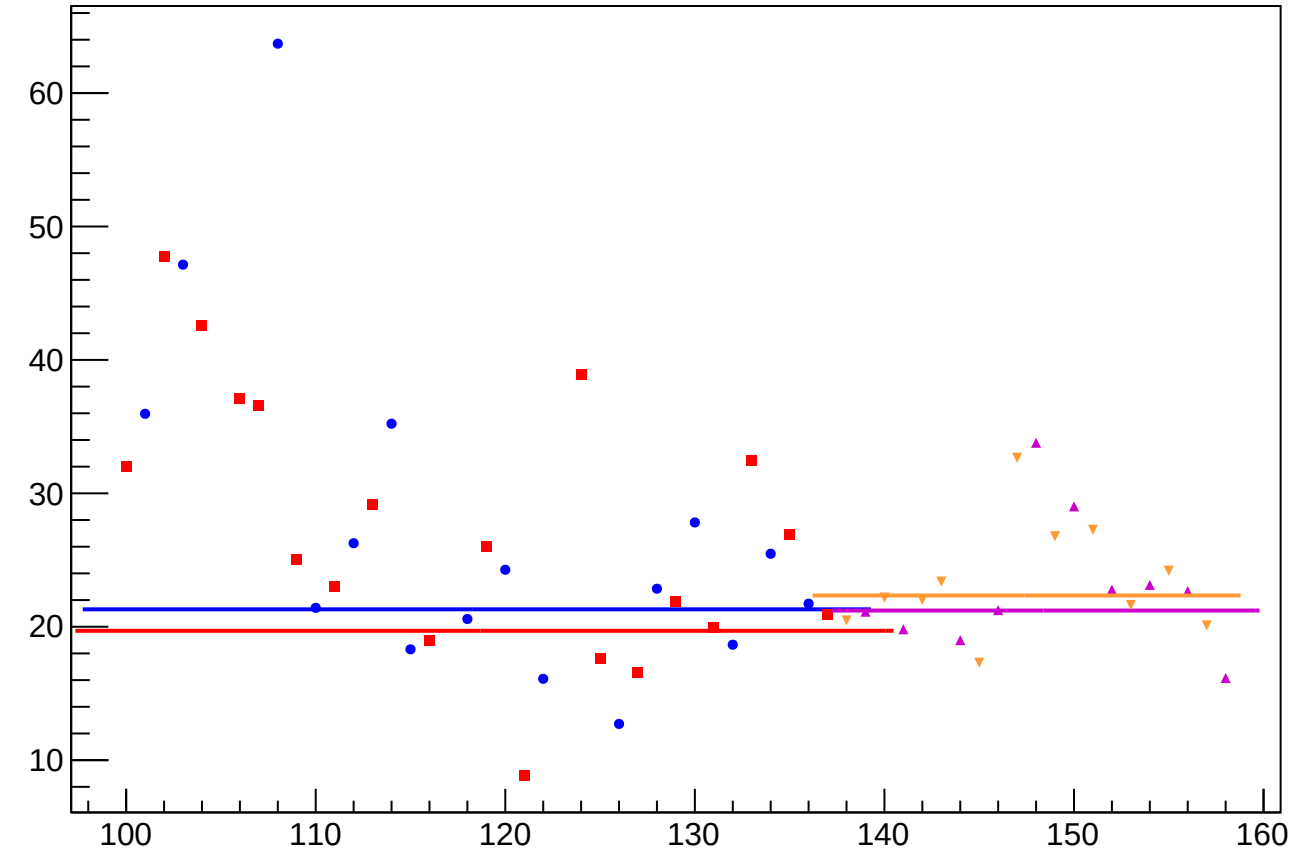
Left In: 21.215+/-0.005 χ^2/NDF:581166.8/9

+ sign 21.875+/-0.004 χ^2/NDF: 1928049.3/26

All: 21.171+/-0.003 χ^2/NDF: 5041688.9/55

- sign 20.528+/-0.004 χ^2/NDF: 3057036.5/28


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
100
110
120
130
140
150
160
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.033+/-0.008 χ²/NDF:14.5/10
Right Out: 0.015+/-0.008 χ²/NDF: 10.1/18
Left In: 0.011+/-0.007 χ²/NDF:5.7/9
+ sign 0.015+/-0.006 χ²/NDF: 40.6/26
All: 0.014+/-0.004 χ²/NDF: 56.6/55
- sign 0.013+/-0.006 χ²/NDF: 15.9/28



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 22.343+/-0.006 χ^2/NDF:432920.9/10

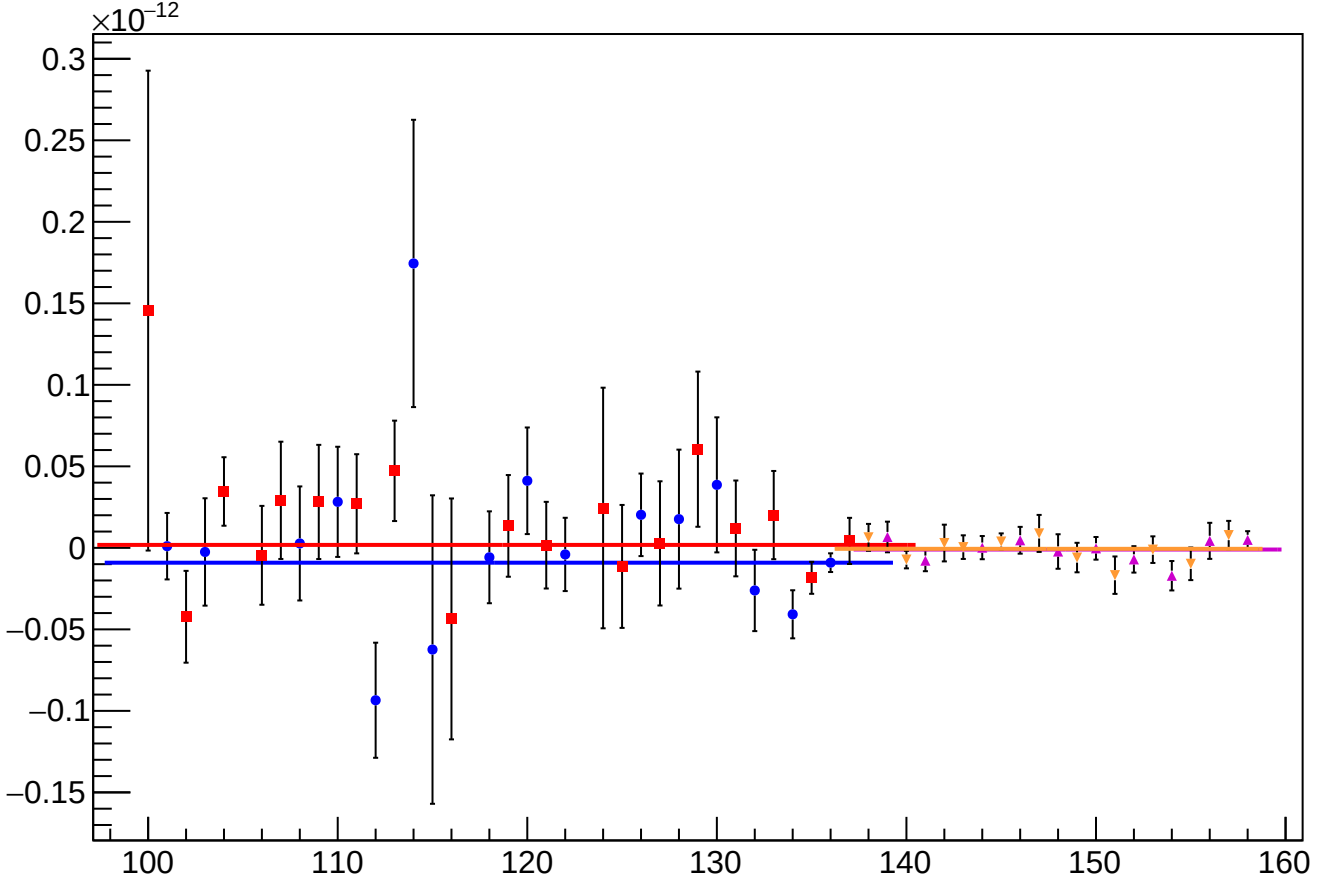
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 21.215+/-0.005 χ^2/NDF:581166.8/9

+ sign 21.875+/-0.004 χ^2/NDF: 1928049.3/26

All: 21.171+/-0.003 χ^2/NDF: 5041688.9/55

- sign 20.528+/-0.004 χ^2/NDF: 3057036.5/28



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.9/10

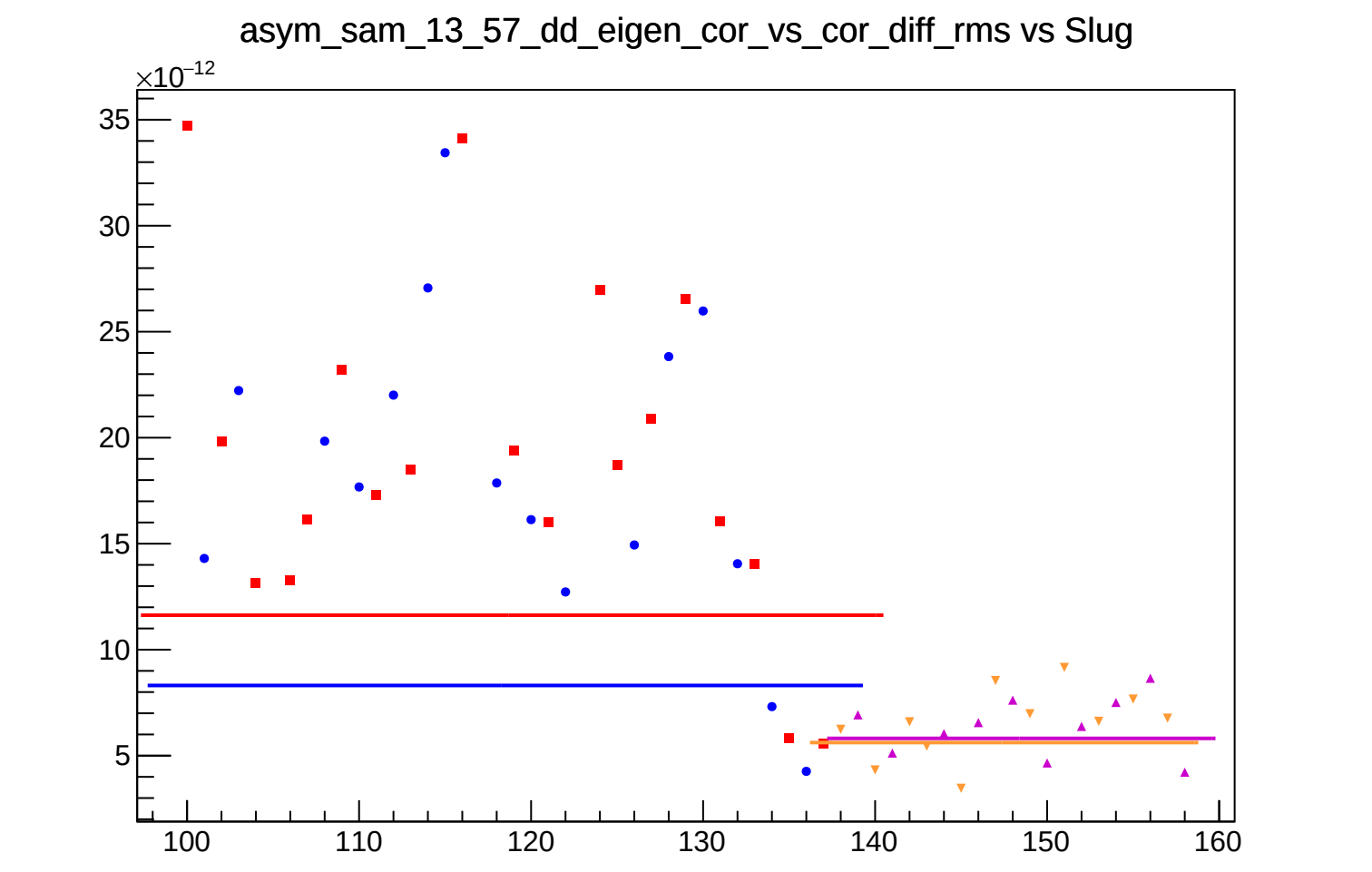
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:7.5/9

+ sign -0.000+/-0.000 χ^2/NDF: 33.3/26

All: -0.000+/-0.000 χ^2/NDF: 58.4/55

- sign -0.000+/-0.000 χ^2/NDF: 24.7/28



Right In: 0.000+/-0.000 χ^2/NDF: 3731754.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1032042.5/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2610908.4/18

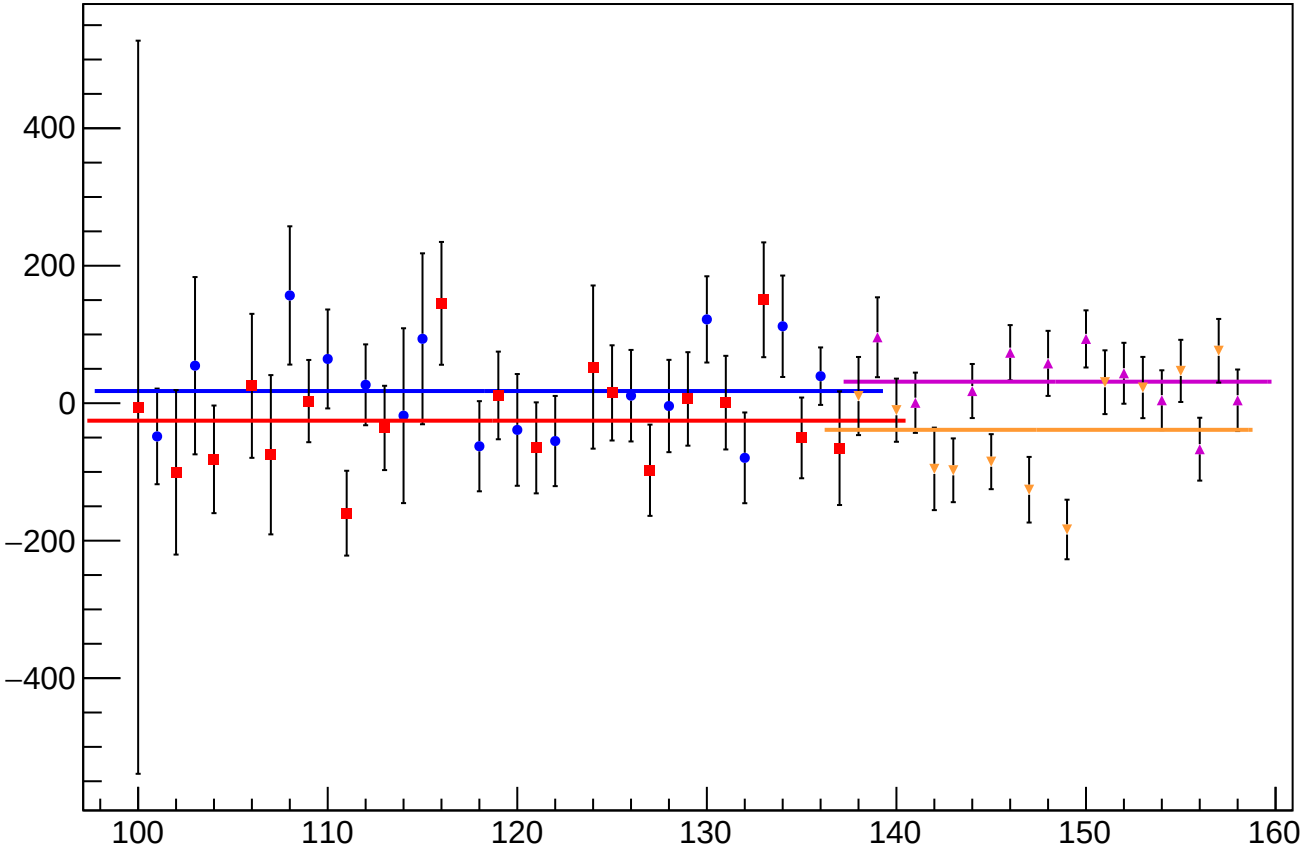
Left In: 0.000+/-0.000 χ^2/NDF:574734.1/9

+ sign 0.000+/-0.000 χ^2/NDF: 5327931.2/26

All: 0.000+/-0.000 χ^2/NDF: 10338204.5/55

- sign 0.000+/-0.000 χ^2/NDF: 4953570.2/28

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -38.740+/-14.079 χ^2/NDF:33.4/10

Right Out: -25.440+/-17.337 χ^2/NDF: 17.8/18

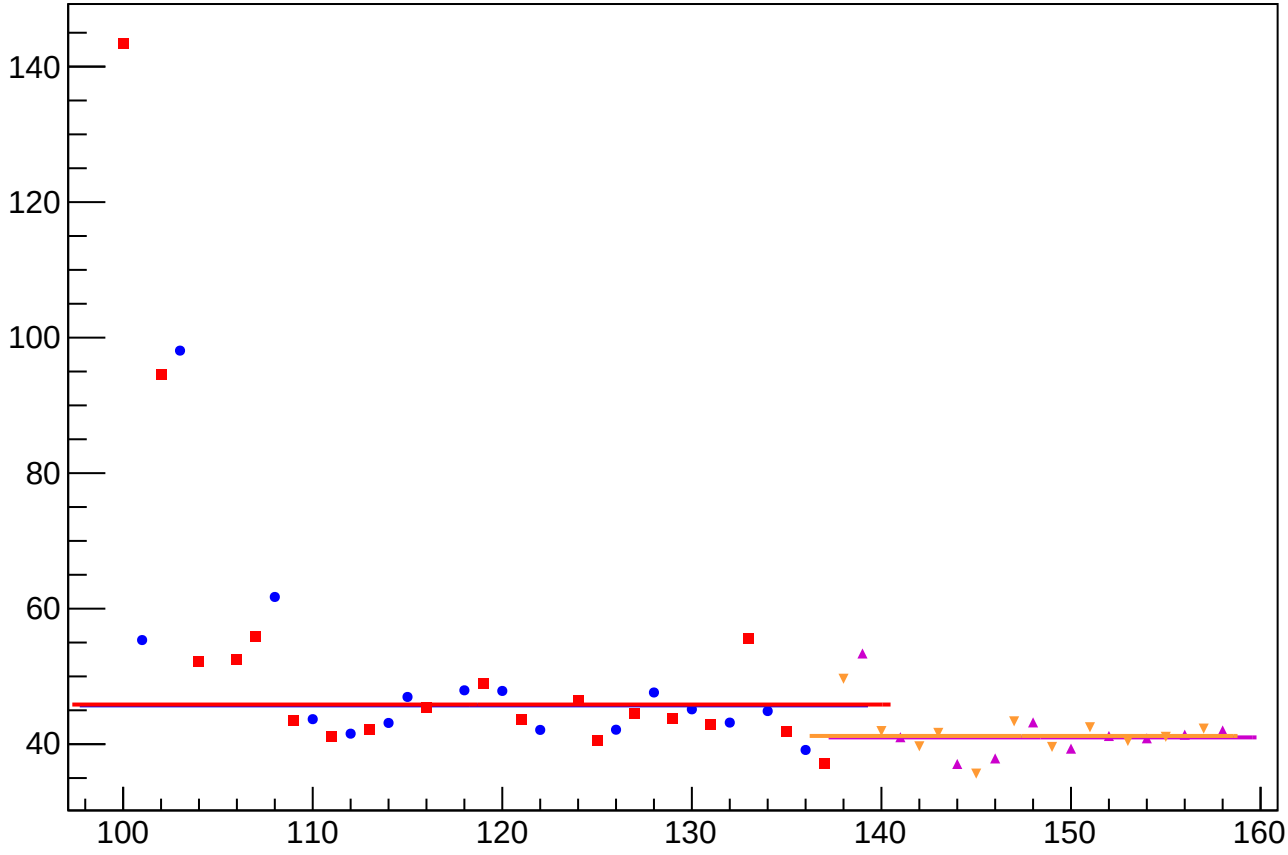
Left In: 31.293+/-13.974 χ^2/NDF:10.9/9

+ sign -16.517+/-10.962 χ^2/NDF: 53.7/26

All: -3.688+/-7.722 χ^2/NDF: 91.7/55

- sign 8.949+/-10.880 χ^2/NDF: 35.3/28

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 41.215+/-0.010 χ^2/NDF:94716.9/10

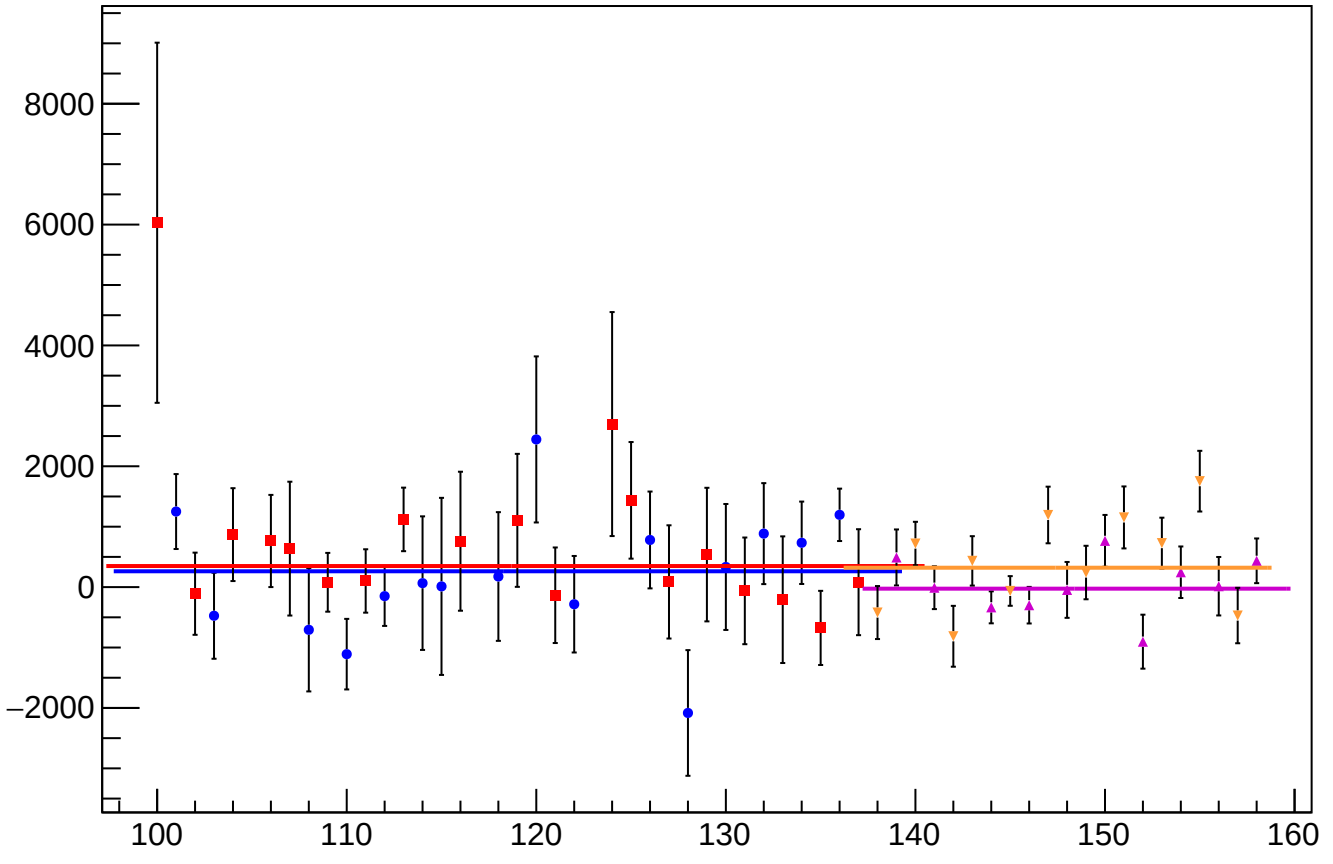
Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

Left In: 41.000+/-0.010 χ^2/NDF:131433.5/9

+ sign 42.991+/-0.008 χ^2/NDF: 677044.6/26

All: 42.950+/-0.005 χ^2/NDF: 1443533.6/55

- sign 42.910+/-0.008 χ^2/NDF: 766433.2/28



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 320.849+/-121.932 χ^2/NDF:29.9/10

Right Out: 348.685+/-180.682 χ^2/NDF: 14.9/18

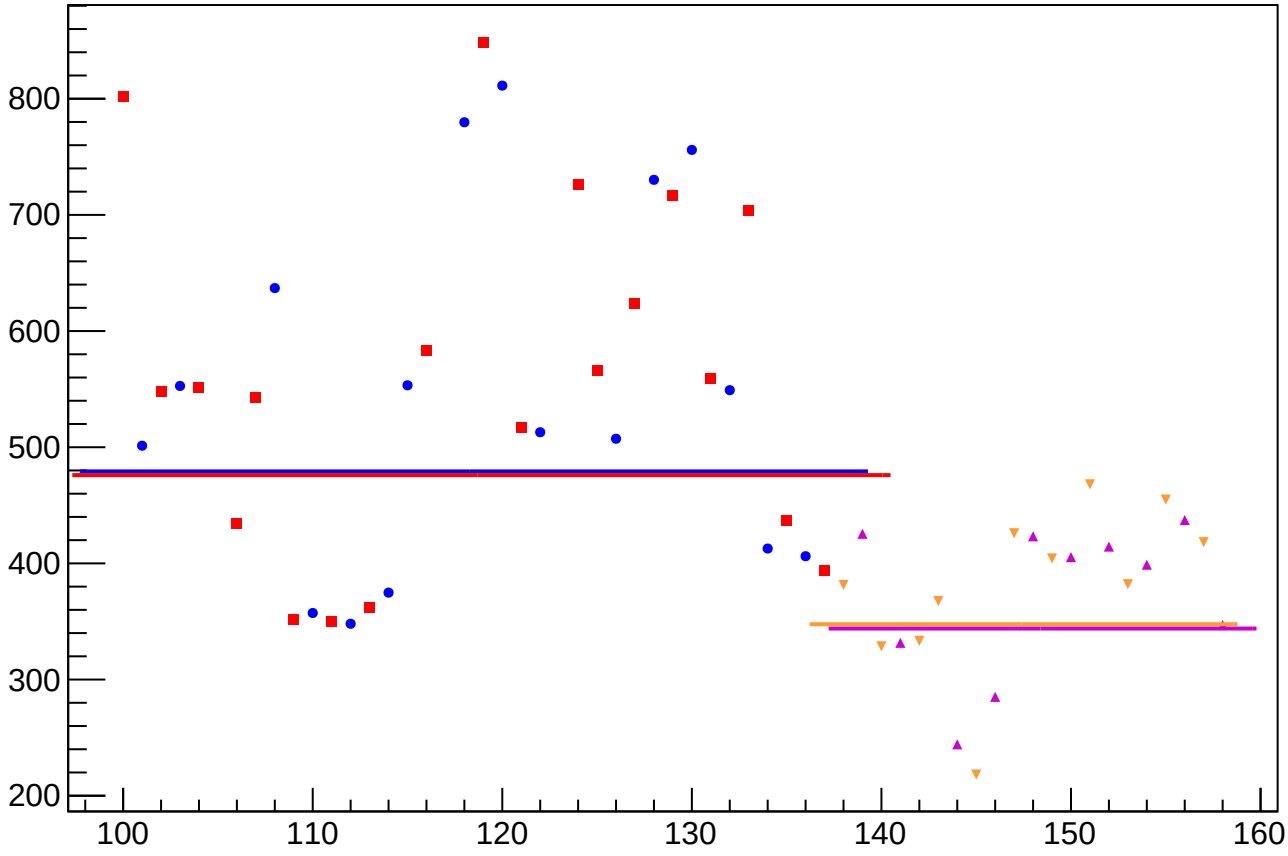
Left In: -25.839+/-119.499 χ^2/NDF:12.7/9

+ sign 303.038+/-101.843 χ^2/NDF: 54.9/26

All: 193.270+/-71.234 χ^2/NDF: 87.8/55

- sign 88.132+/-99.672 χ^2/NDF: 30.6/28

asym_sam_15_37_dd_reg_correction_rms vs Slug



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 347.640+/-0.086 χ^2/NDF:930948.6/10

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

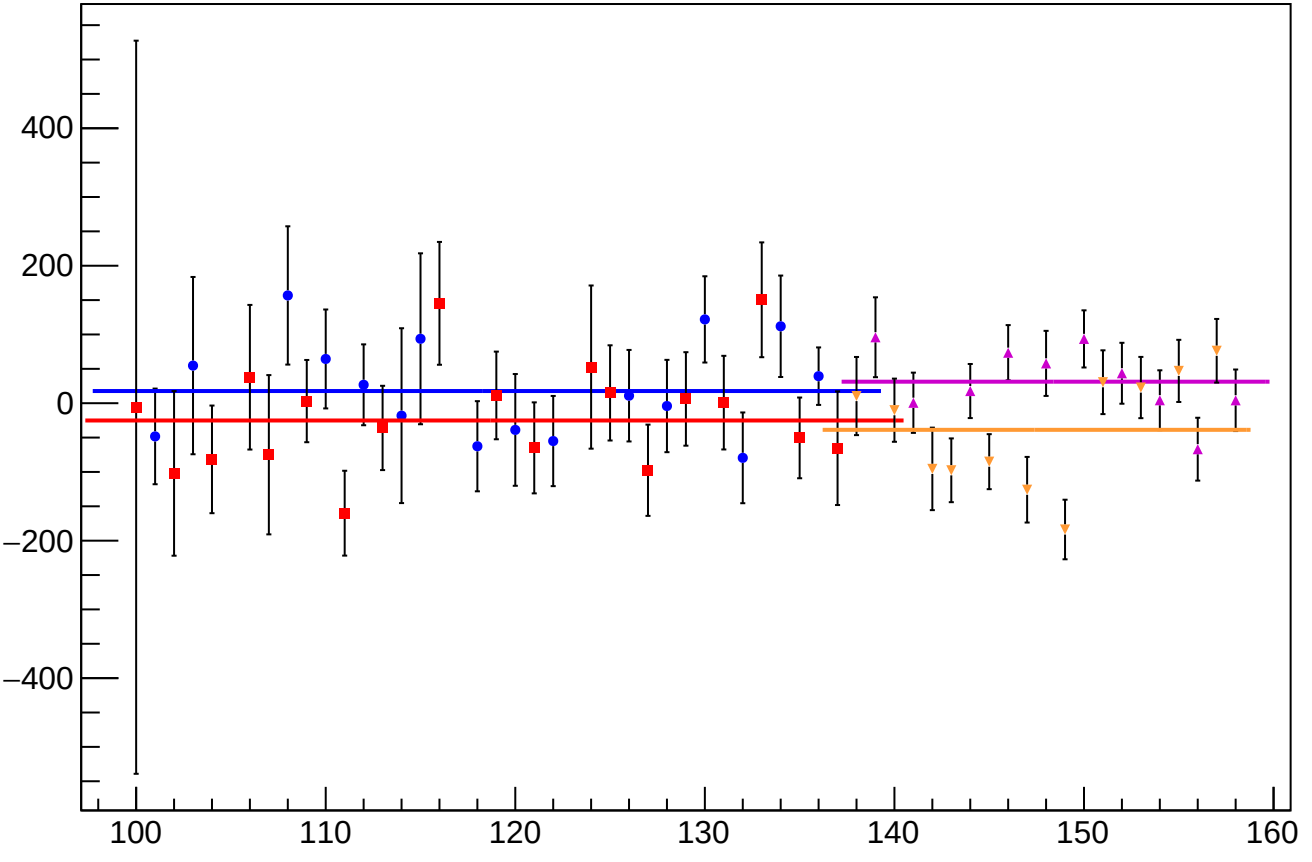
Left In: 343.921+/-0.084 χ^2/NDF:681418.8/9

+ sign 387.412+/-0.072 χ^2/NDF: 2587409.9/26

All: 385.726+/-0.050 χ^2/NDF: 5019801.8/55

- sign 384.111+/-0.070 χ^2/NDF: 2431318.9/28

cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -38.741+/-14.079 χ^2/NDF:33.4/10

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

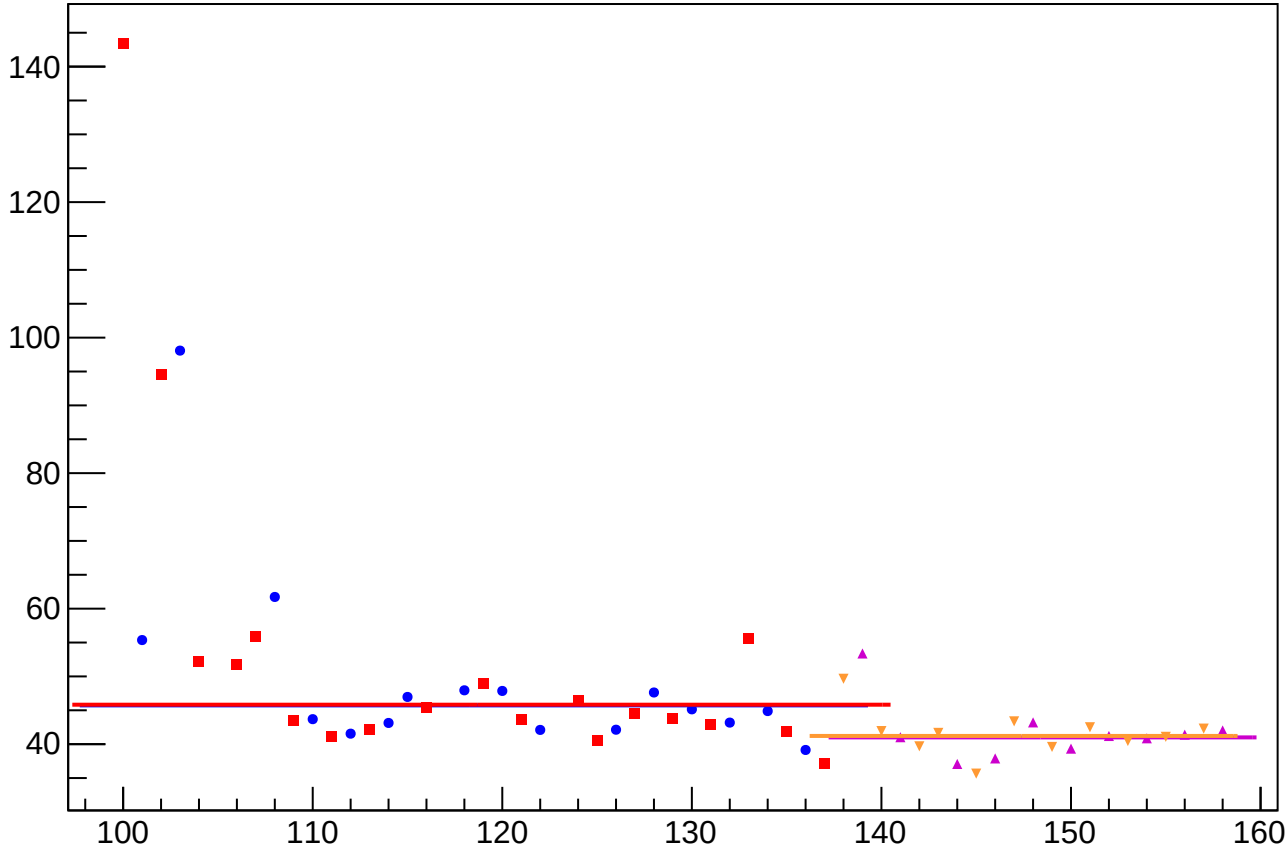
Left In: 31.294+/-13.974 χ^2/NDF:10.9/9

+ sign -16.516+/-10.962 χ^2/NDF: 53.7/26

All: -3.628+/-7.722 χ^2/NDF: 91.8/55

- sign 9.070+/-10.880 χ^2/NDF: 35.4/28

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 41.215+/-0.010 χ^2/NDF:94716.9/10

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

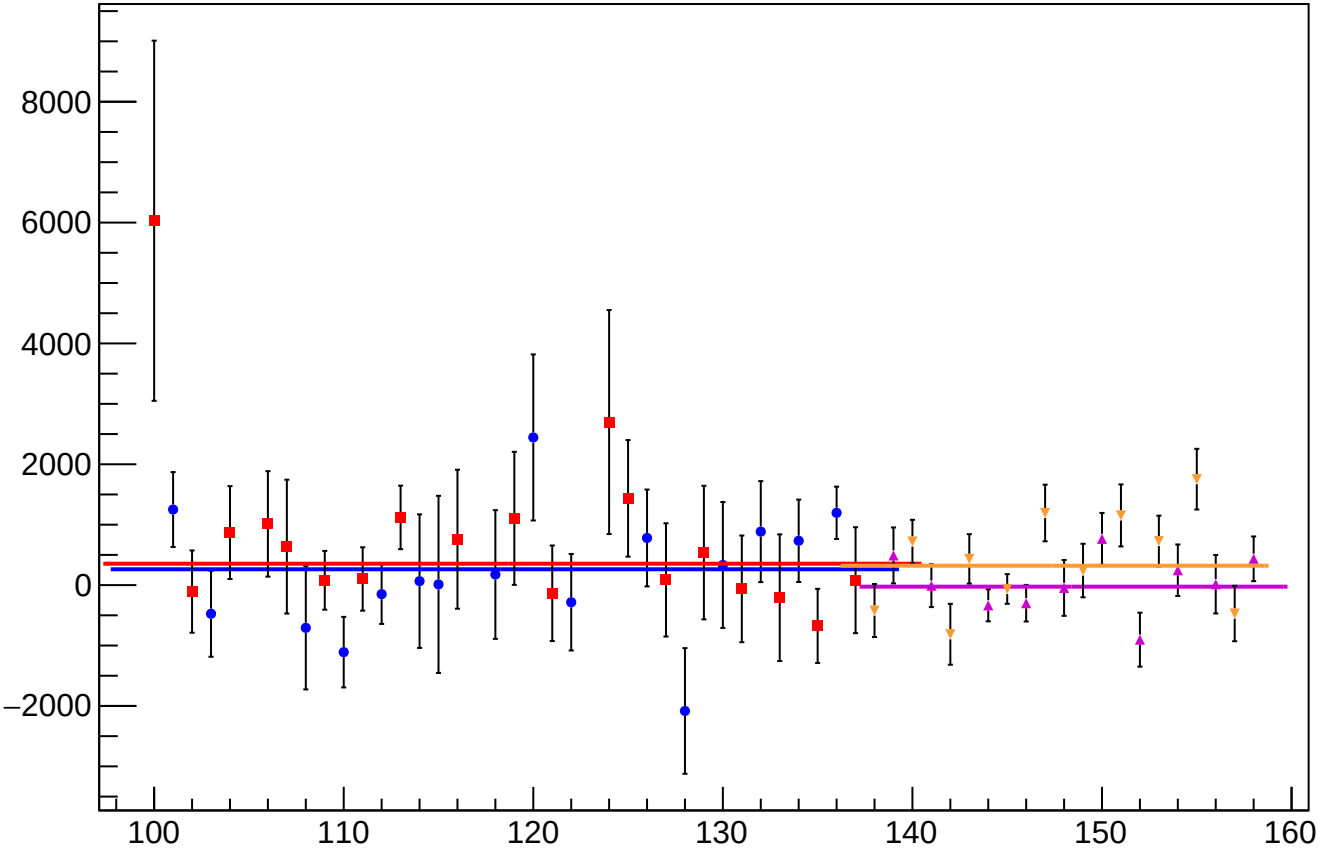
Left In: 41.000+/-0.010 χ^2/NDF:131433.5/9

+ sign 42.991+/-0.008 χ^2/NDF: 677047.6/26

All: 42.945+/-0.005 χ^2/NDF: 1440918.4/55

- sign 42.900+/-0.008 χ^2/NDF: 763801.0/28

asym_sam_15_37_dd_cor_correction_mean vs Slug



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 320.846+/-121.932 χ^2/NDF:29.9/10

Right Out: 354.204+/-181.903 χ^2/NDF: 15.2/18

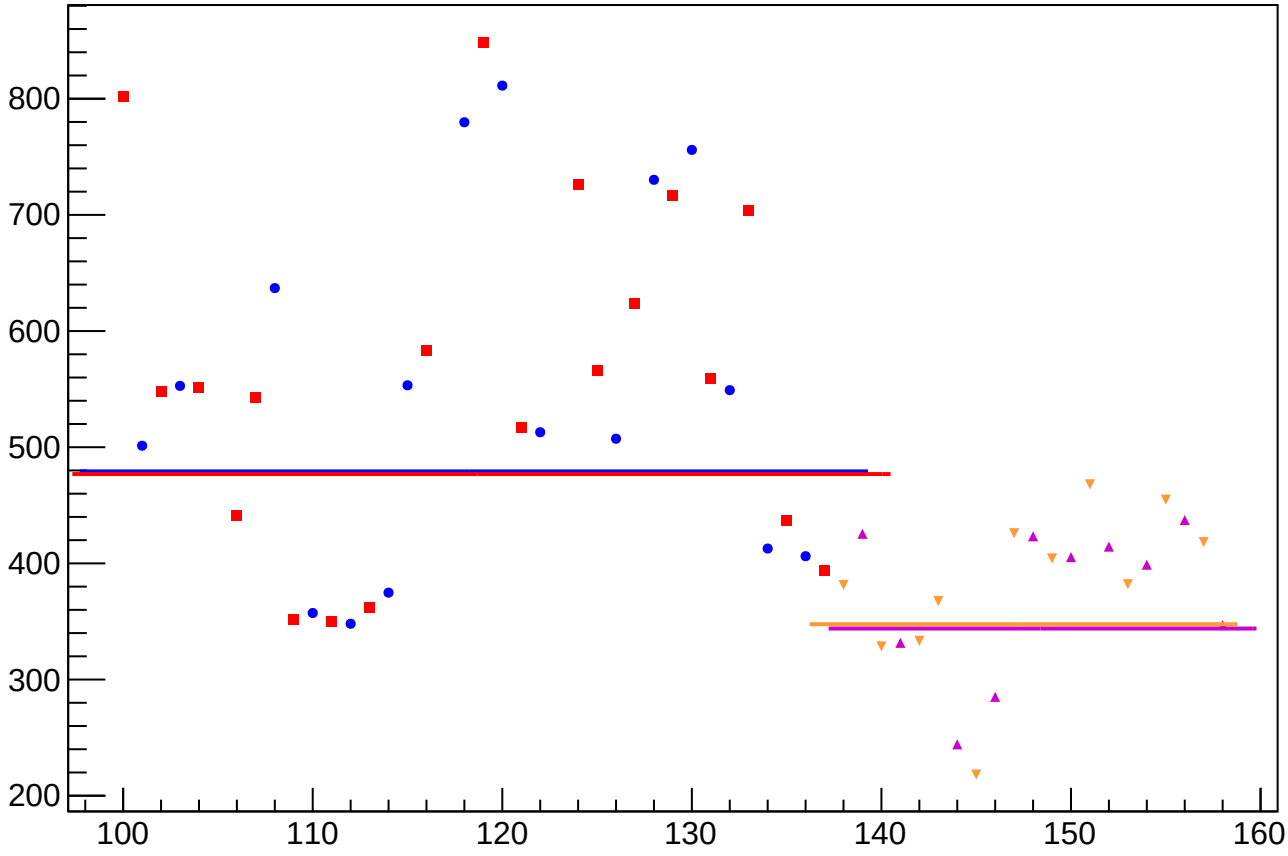
Left In: -25.839+/-119.499 χ^2/NDF:12.7/9

+ sign 303.037+/-101.843 χ^2/NDF: 54.9/26

All: 193.793+/-71.308 χ^2/NDF: 88.1/55

- sign 88.731+/-99.875 χ^2/NDF: 30.9/28

asym_sam_15_37_dd_cor_correction_rms vs Slug



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 347.639+/-0.086 χ^2/NDF:930949.7/10

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

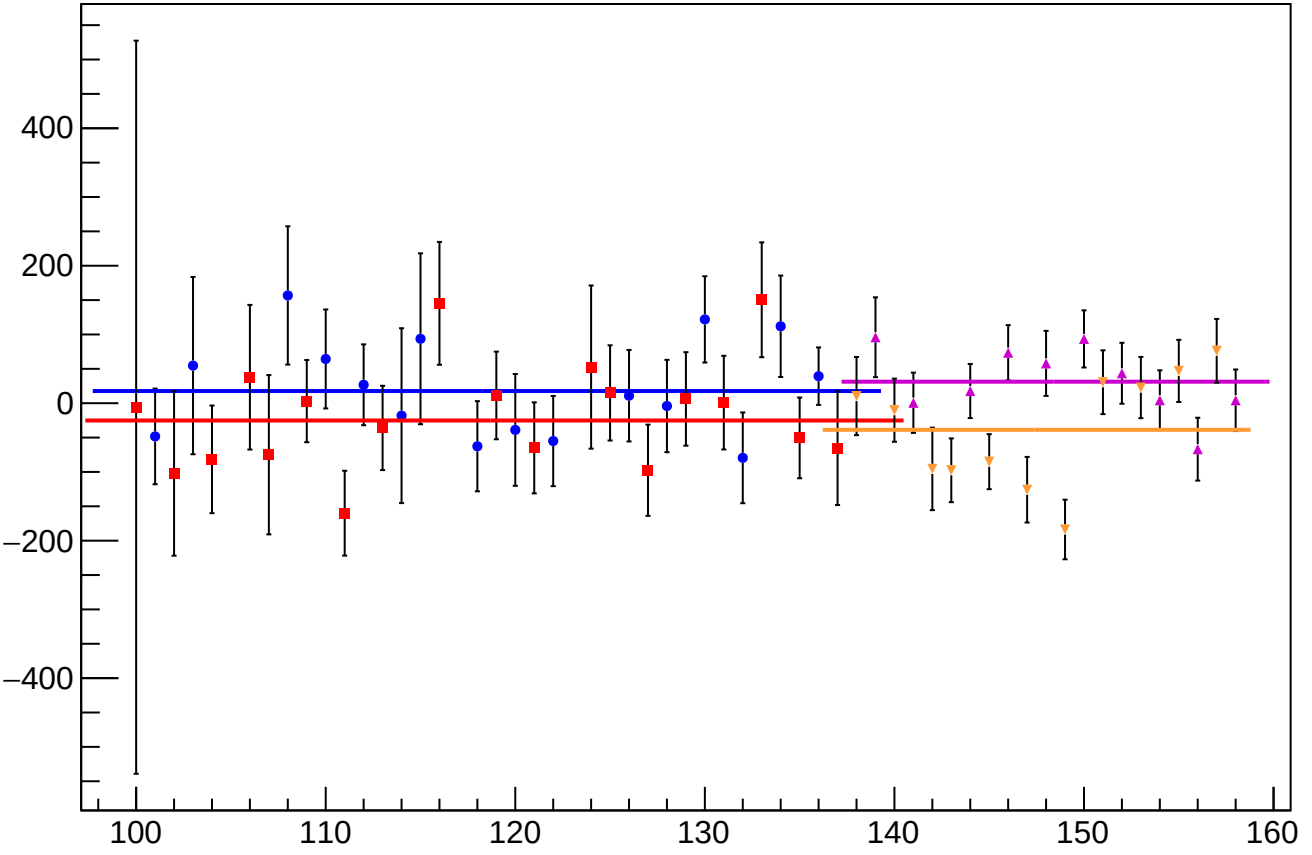
Left In: 343.921+/-0.084 χ^2/NDF:681419.0/9

+ sign 387.412+/-0.072 χ^2/NDF: 2587458.6/26

All: 385.677+/-0.050 χ^2/NDF: 5020331.9/55

- sign 384.008+/-0.071 χ^2/NDF: 2431733.9/28

eigen_cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -38.741+/-14.079 χ^2/NDF:33.4/10

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

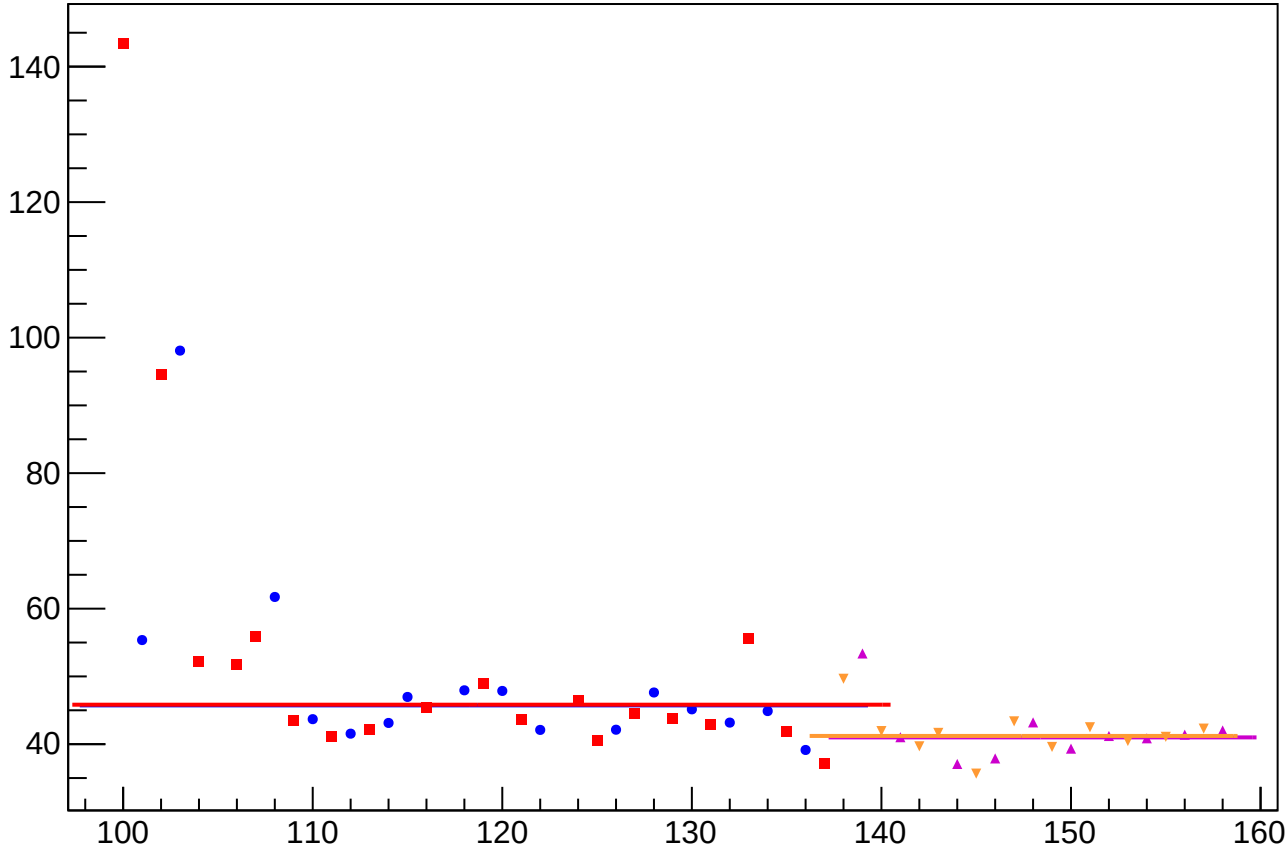
Left In: 31.294+/-13.974 χ^2/NDF:10.9/9

+ sign -16.516+/-10.962 χ^2/NDF: 53.7/26

All: -3.628+/-7.722 χ^2/NDF: 91.8/55

- sign 9.070+/-10.880 χ^2/NDF: 35.4/28

eigen_cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 41.215+/-0.010 χ^2/NDF:94716.9/10

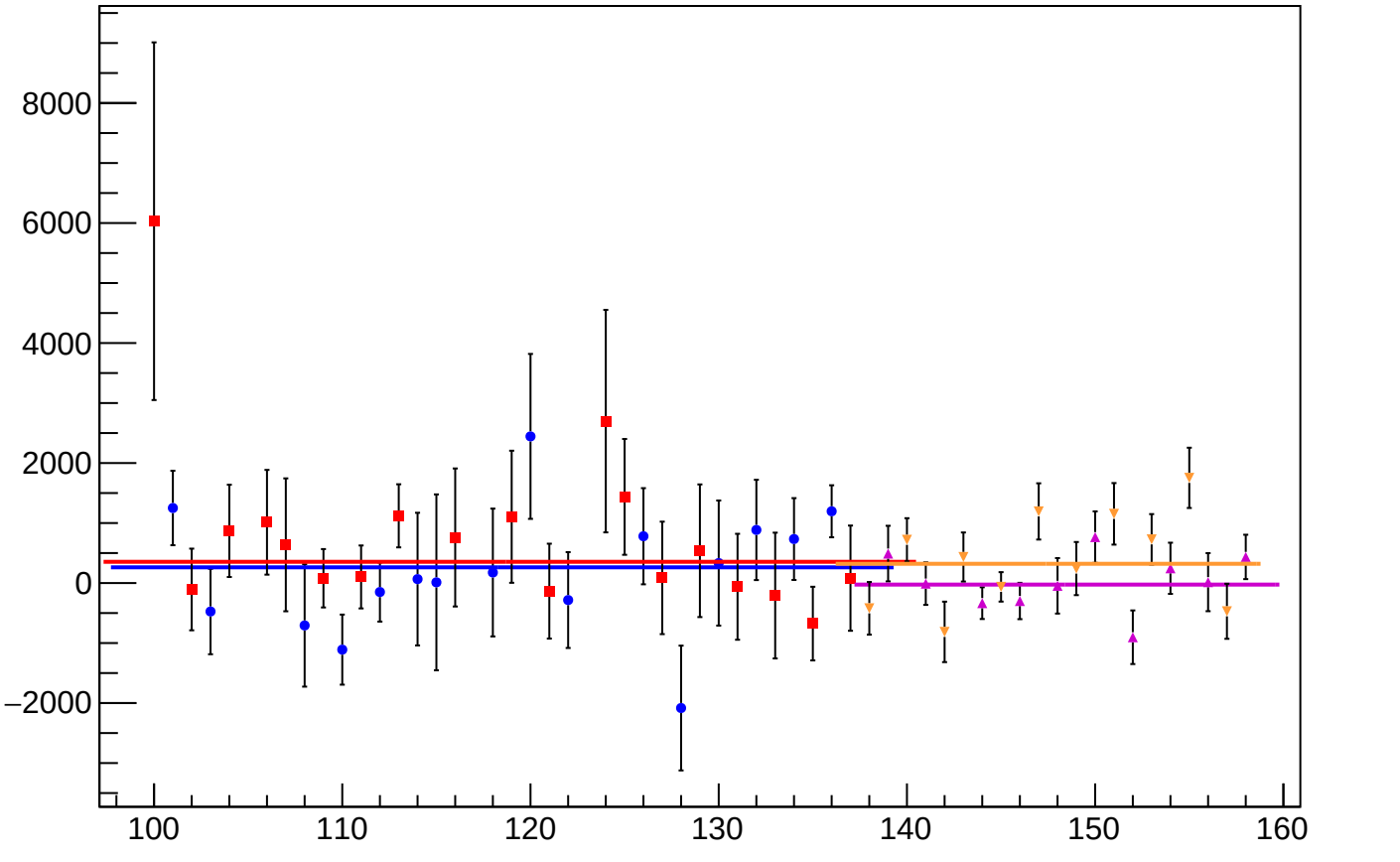
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 41.000+/-0.010 χ^2/NDF:131433.5/9

+ sign 42.991+/-0.008 χ^2/NDF: 677047.6/26

All: 42.945+/-0.005 χ^2/NDF: 1440918.4/55

- sign 42.900+/-0.008 χ^2/NDF: 763801.0/28



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 320.846+/-121.932 χ^2/NDF:29.9/10

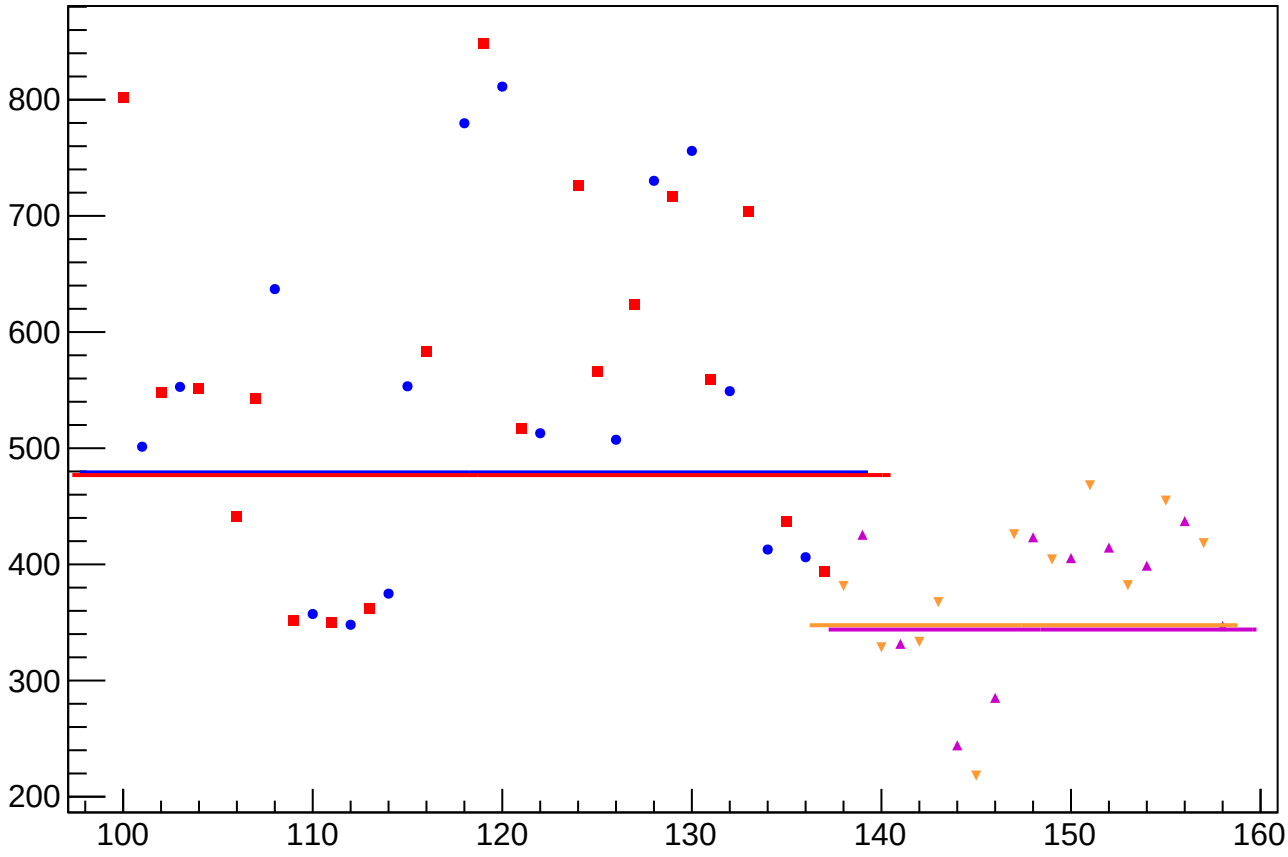
Right Out: 354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: -25.839+/-119.499 χ^2/NDF:12.7/9

+ sign 303.037+/-101.843 χ^2/NDF: 54.9/26

All: 193.793+/-71.308 χ^2/NDF: 88.1/55

- sign 88.731+/-99.875 χ^2/NDF: 30.9/28



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 347.639+/-0.086 χ^2/NDF:930949.7/10

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

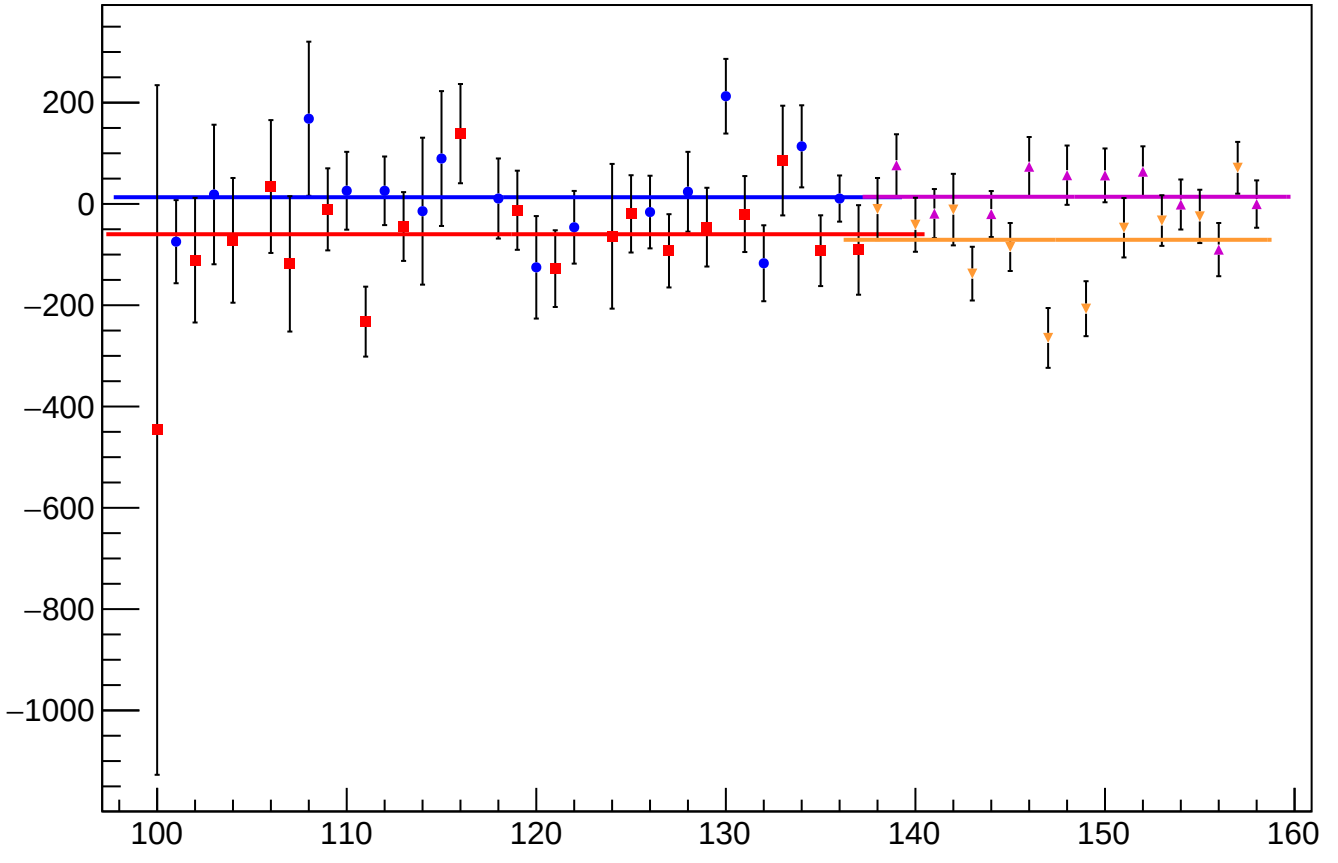
Left In: 343.921+/-0.084 χ^2/NDF:681419.0/9

+ sign 387.412+/-0.072 χ^2/NDF: 2587458.6/26

All: 385.677+/-0.050 χ^2/NDF: 5020331.9/55

- sign 384.008+/-0.071 χ^2/NDF: 2431733.9/28

dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -70.797+/-16.484 χ^2/NDF:30.0/10

Right Out: -59.810+/-20.234 χ^2/NDF: 16.1/18

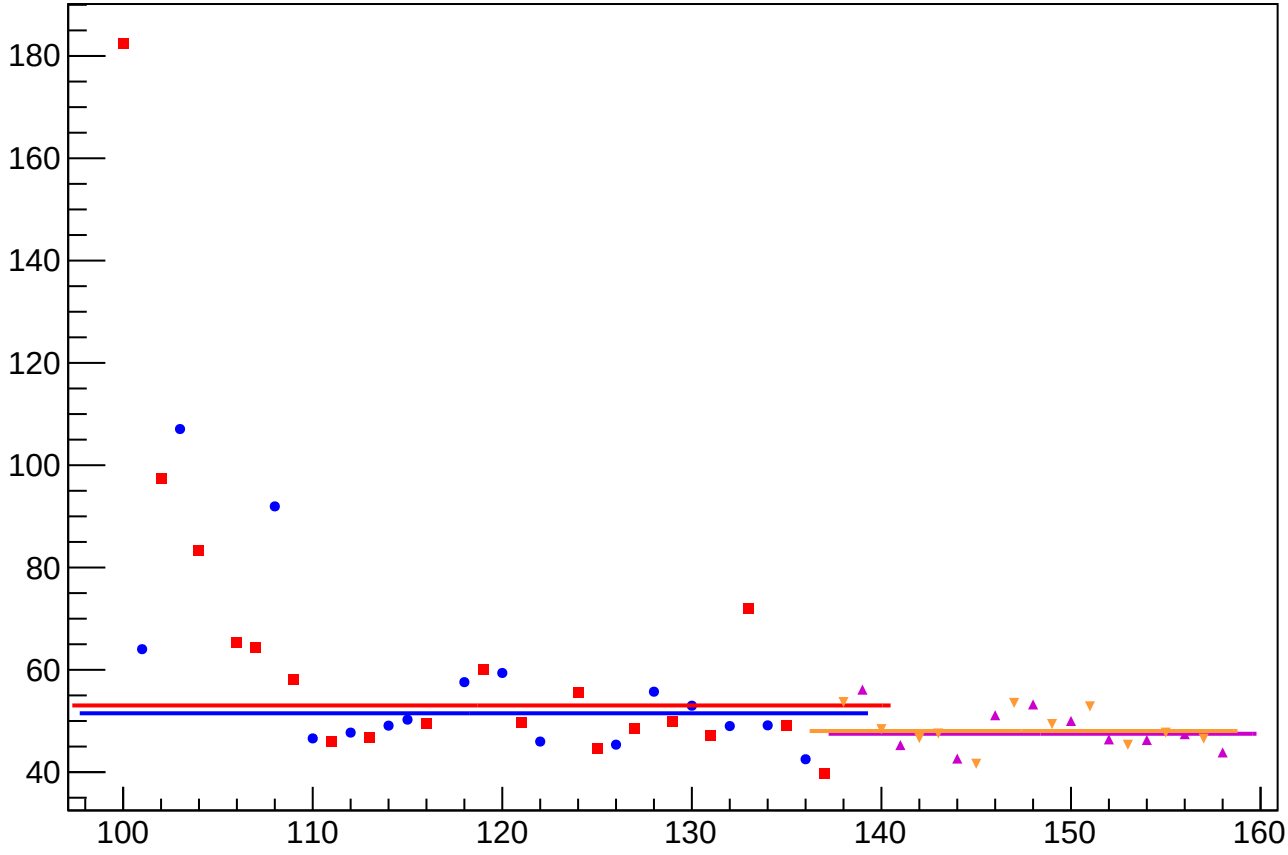
Left In: 14.136+/-16.340 χ^2/NDF:9.4/9

+ sign -36.485+/-12.681 χ^2/NDF: 57.8/26

All: -25.795+/-8.978 χ^2/NDF: 92.8/55

- sign -15.053+/-12.712 χ^2/NDF: 33.6/28

dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 48.040+/-0.012 χ^2/NDF:94242.8/10

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

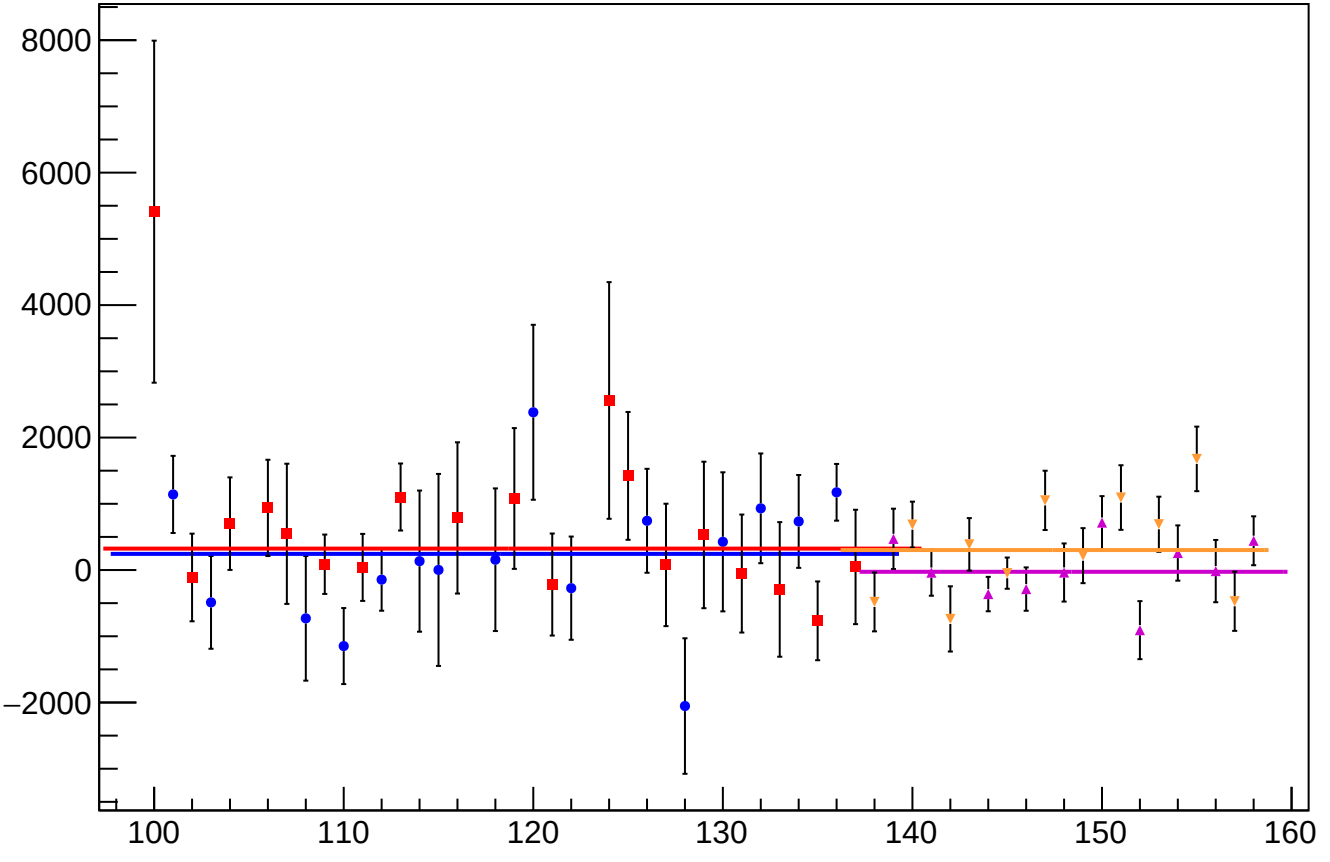
Left In: 47.503+/-0.012 χ^2/NDF:112373.9/9

+ sign 49.455+/-0.009 χ^2/NDF: 797379.2/26

All: 49.571+/-0.006 χ^2/NDF: 1713558.0/55

- sign 49.688+/-0.009 χ^2/NDF: 915841.9/28

asym_sam_15_37_dd_dit_correction_mean vs Slug



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 301.635+/-117.990 χ^2/NDF:28.4/10

Right Out: 323.628+/-173.632 χ^2/NDF: 16.5/18

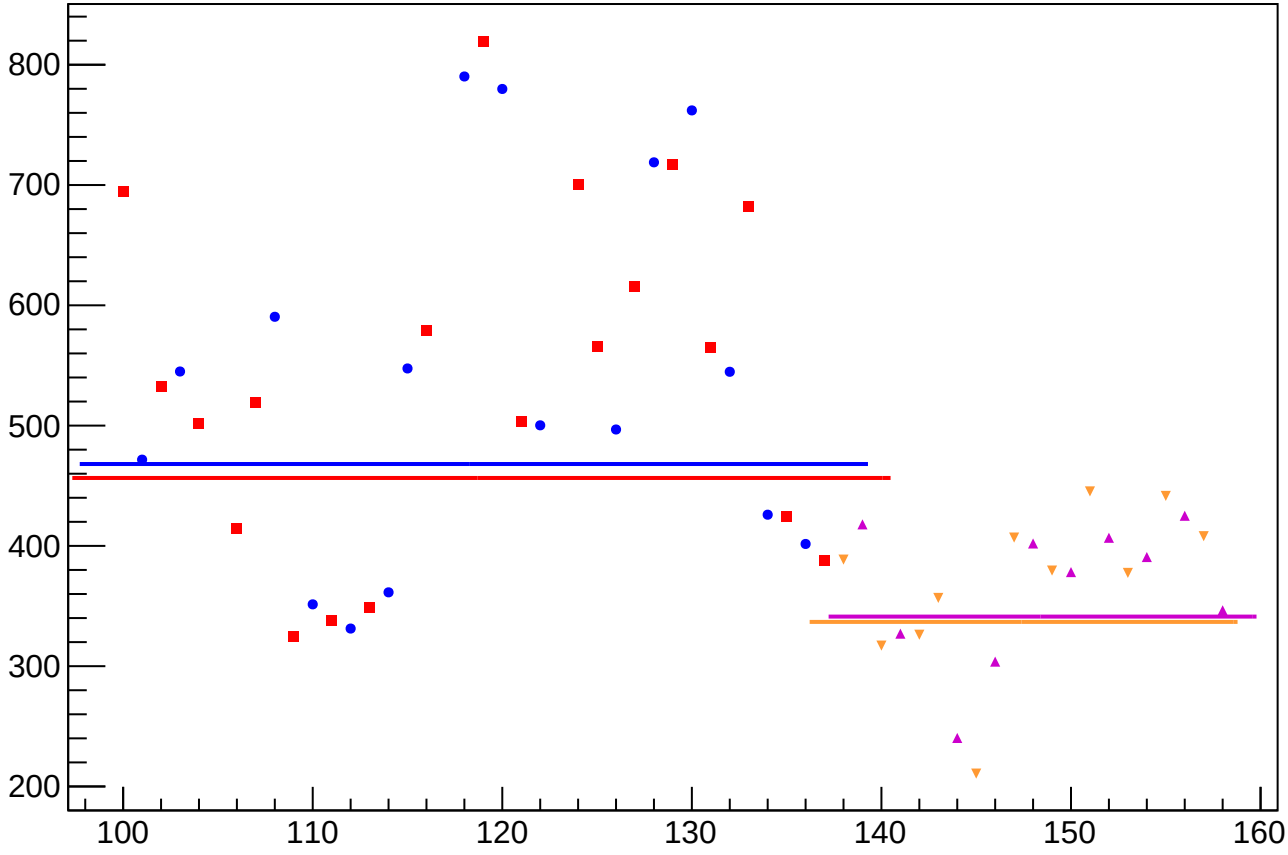
Left In: -26.707+/-118.308 χ^2/NDF:13.1/9

+ sign 284.378+/-98.822 χ^2/NDF: 54.0/26

All: 183.304+/-69.503 χ^2/NDF: 88.4/55

- sign 84.372+/-97.769 χ^2/NDF: 32.3/28

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 468.066+/-0.128 χ^2/NDF: 982915.0/15

Left Out: 336.808+/-0.083 χ^2/NDF:942832.4/10

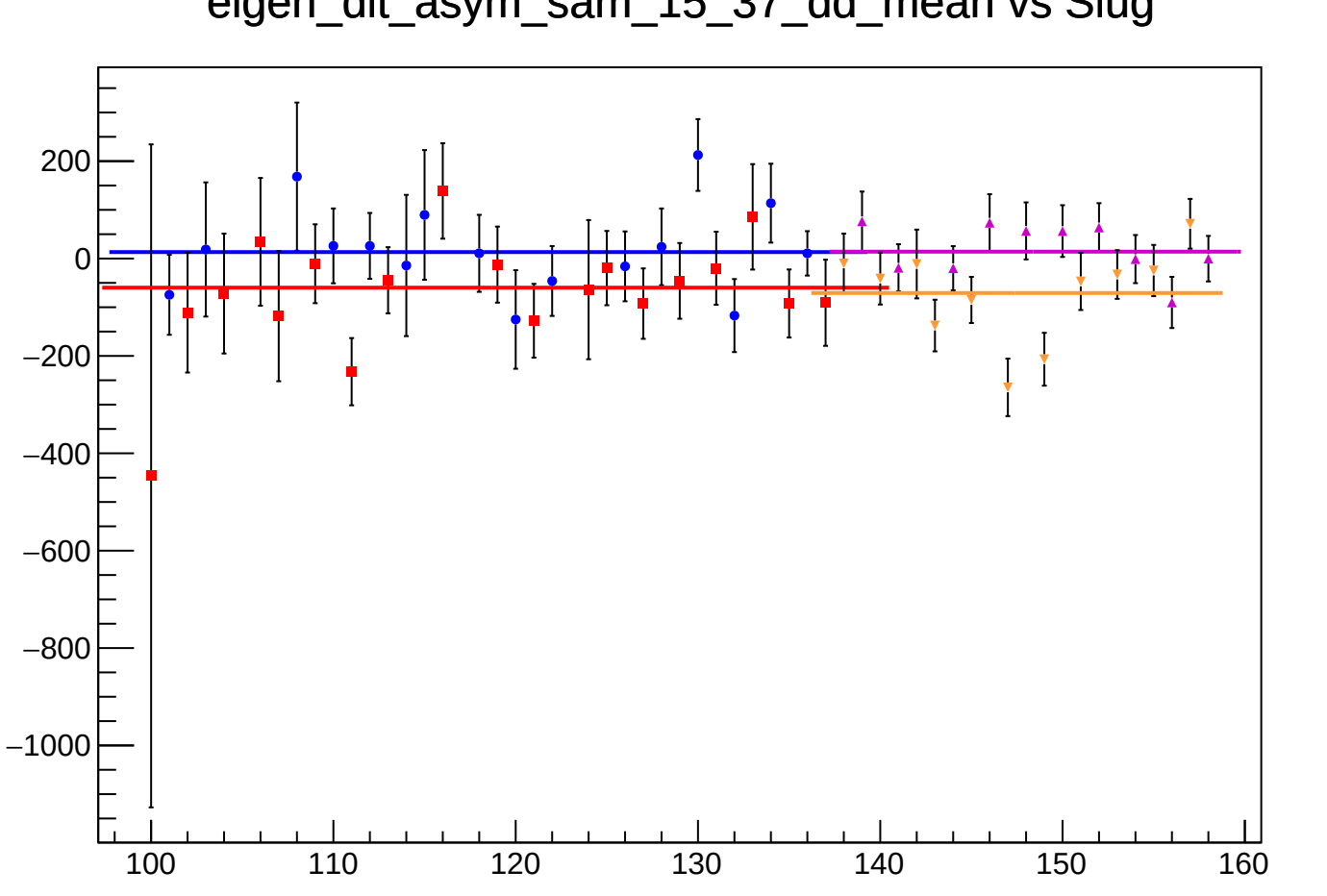
Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

Left In: 341.226+/-0.084 χ^2/NDF:579907.3/9

+ sign 375.990+/-0.070 χ^2/NDF: 2664600.7/26

All: 376.887+/-0.049 χ^2/NDF: 4929094.5/55

- sign 377.765+/-0.069 χ^2/NDF: 2264167.7/28



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -70.797+/-16.484 χ^2/NDF:30.0/10

Right Out: -59.811+/-20.234 χ^2/NDF: 16.1/18

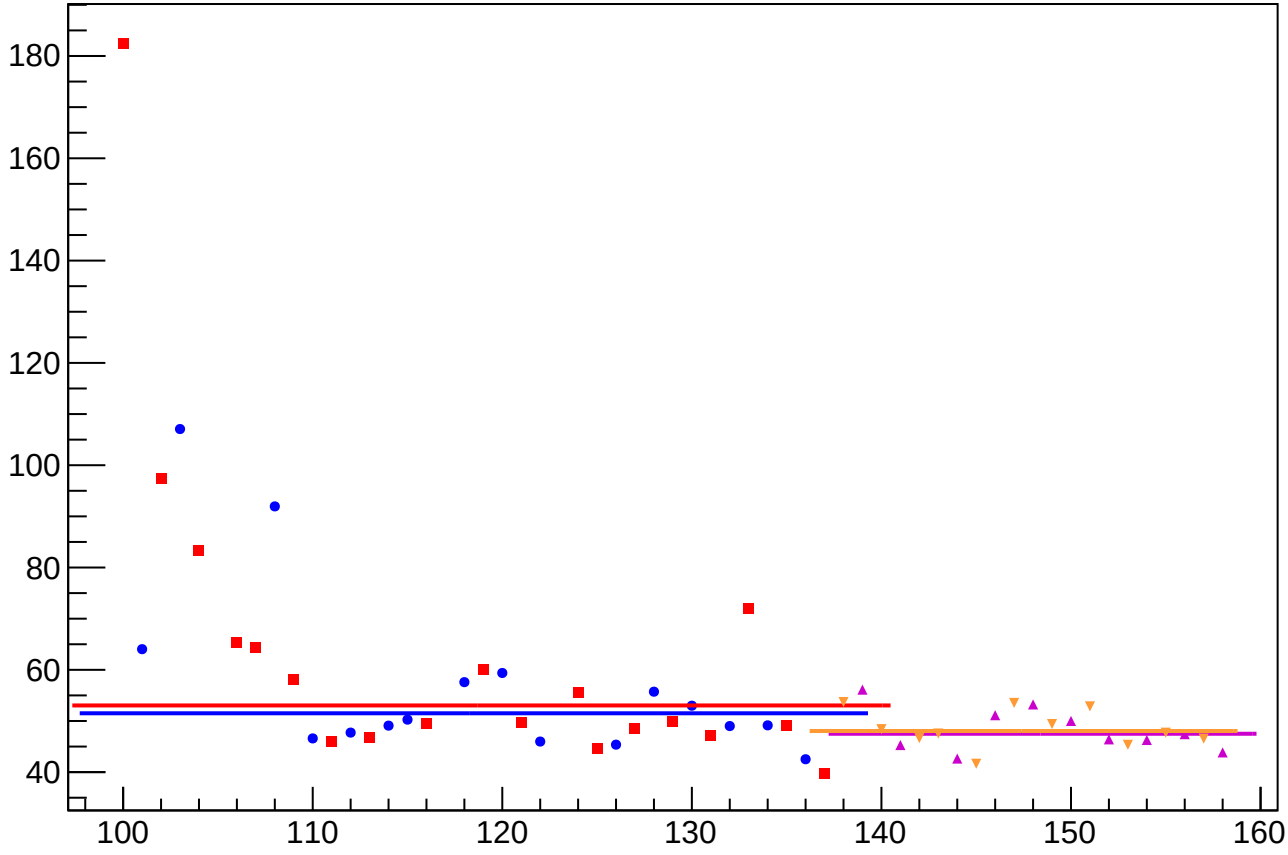
Left In: 14.136+/-16.340 χ^2/NDF:9.4/9

+ sign -36.486+/-12.681 χ^2/NDF: 57.8/26

All: -25.796+/-8.978 χ^2/NDF: 92.8/55

- sign -15.053+/-12.712 χ^2/NDF: 33.6/28

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 48.040+/-0.012 χ^2/NDF:94241.1/10

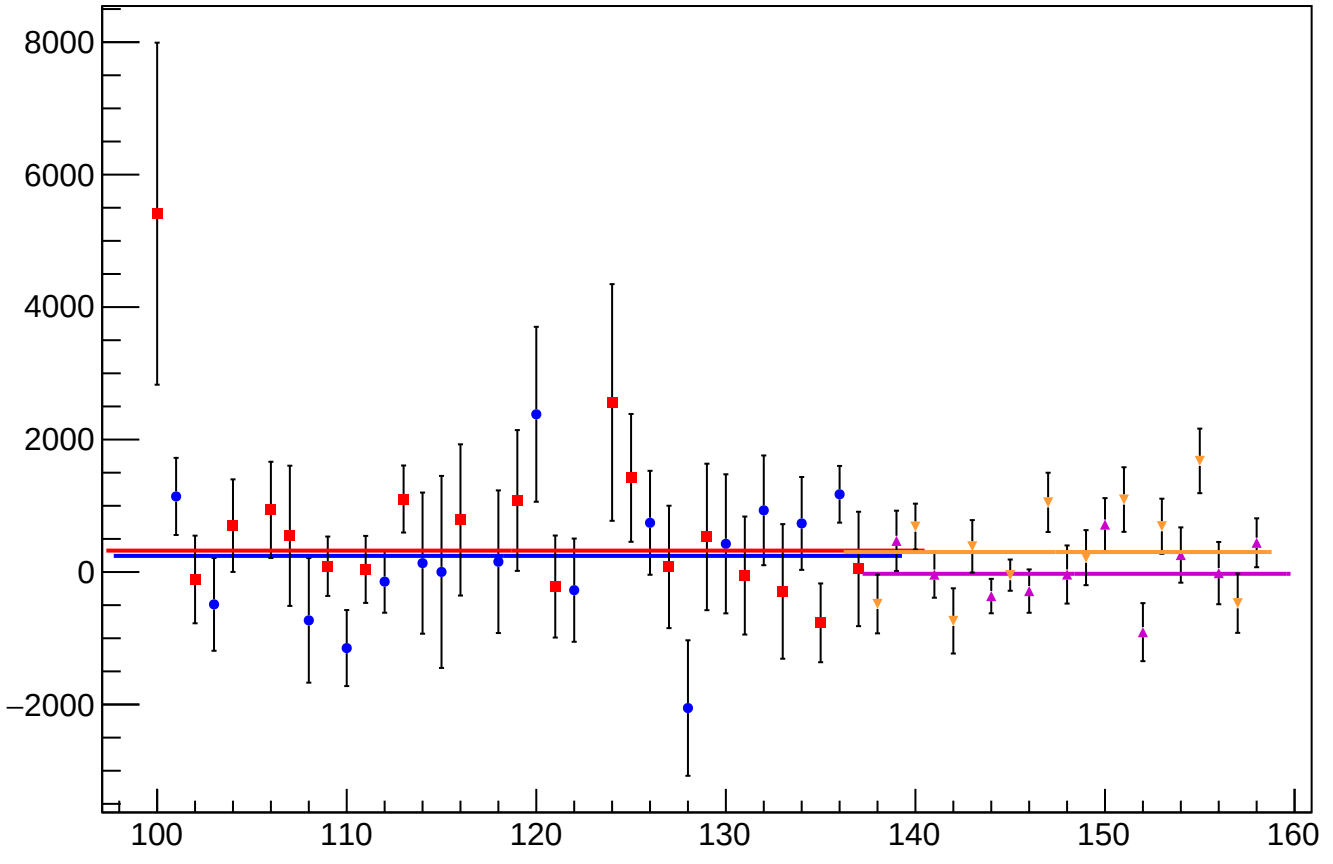
Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 47.503+/-0.012 χ^2/NDF:112372.8/9

+ sign 49.455+/-0.009 χ^2/NDF: 797380.9/26

All: 49.571+/-0.006 χ^2/NDF: 1713567.2/55

- sign 49.688+/-0.009 χ^2/NDF: 915849.4/28



Right In: 243.826+/-180.872 χ^2/NDF: 25.6/15

Left Out: 301.635+/-117.990 χ^2/NDF:28.4/10

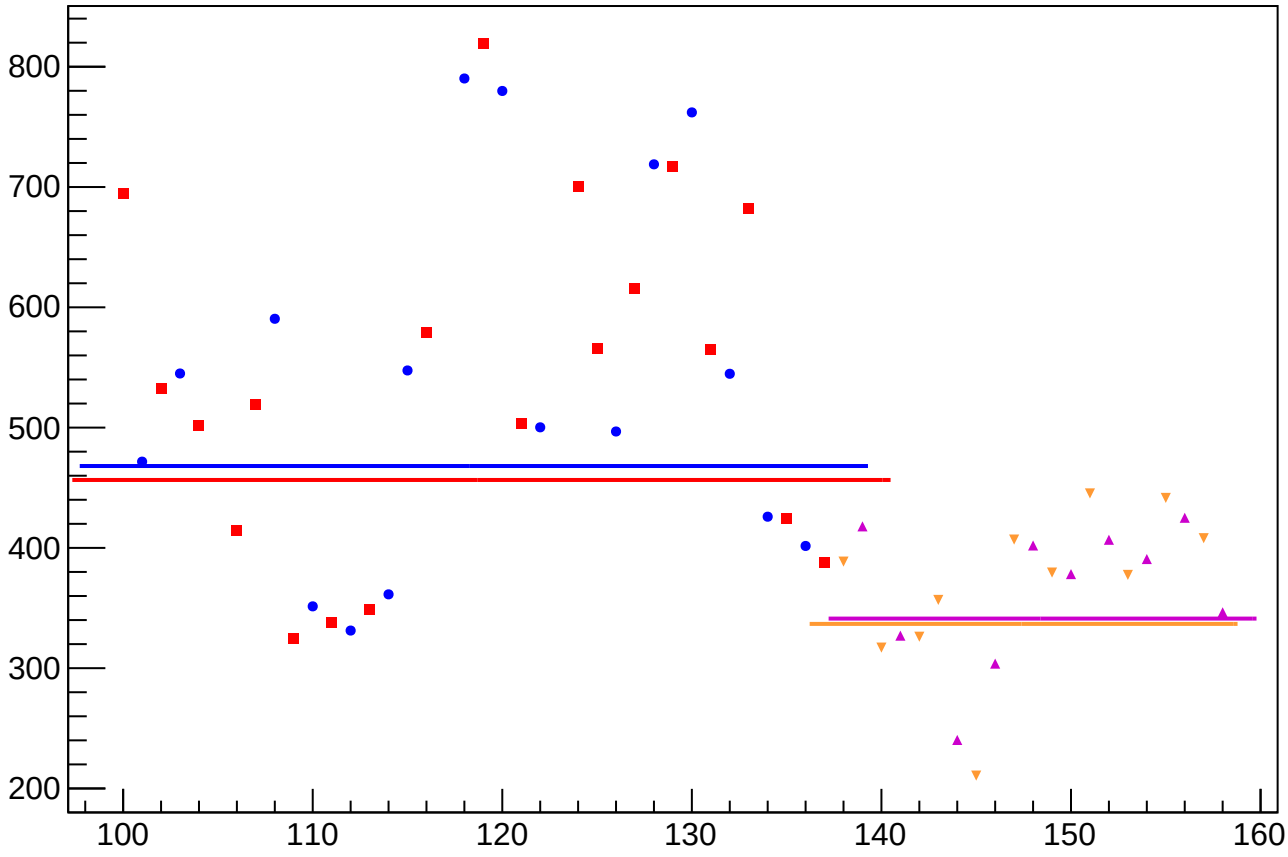
Right Out: 323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: -26.707+/-118.308 χ^2/NDF:13.1/9

+ sign 284.378+/-98.822 χ^2/NDF: 54.0/26

All: 183.304+/-69.503 χ^2/NDF: 88.4/55

- sign 84.372+/-97.769 χ^2/NDF: 32.3/28



Right In: 468.065+/-0.128 χ^2/NDF: 982915.8/15

Left Out: 336.808+/-0.083 χ^2/NDF:942837.2/10

Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

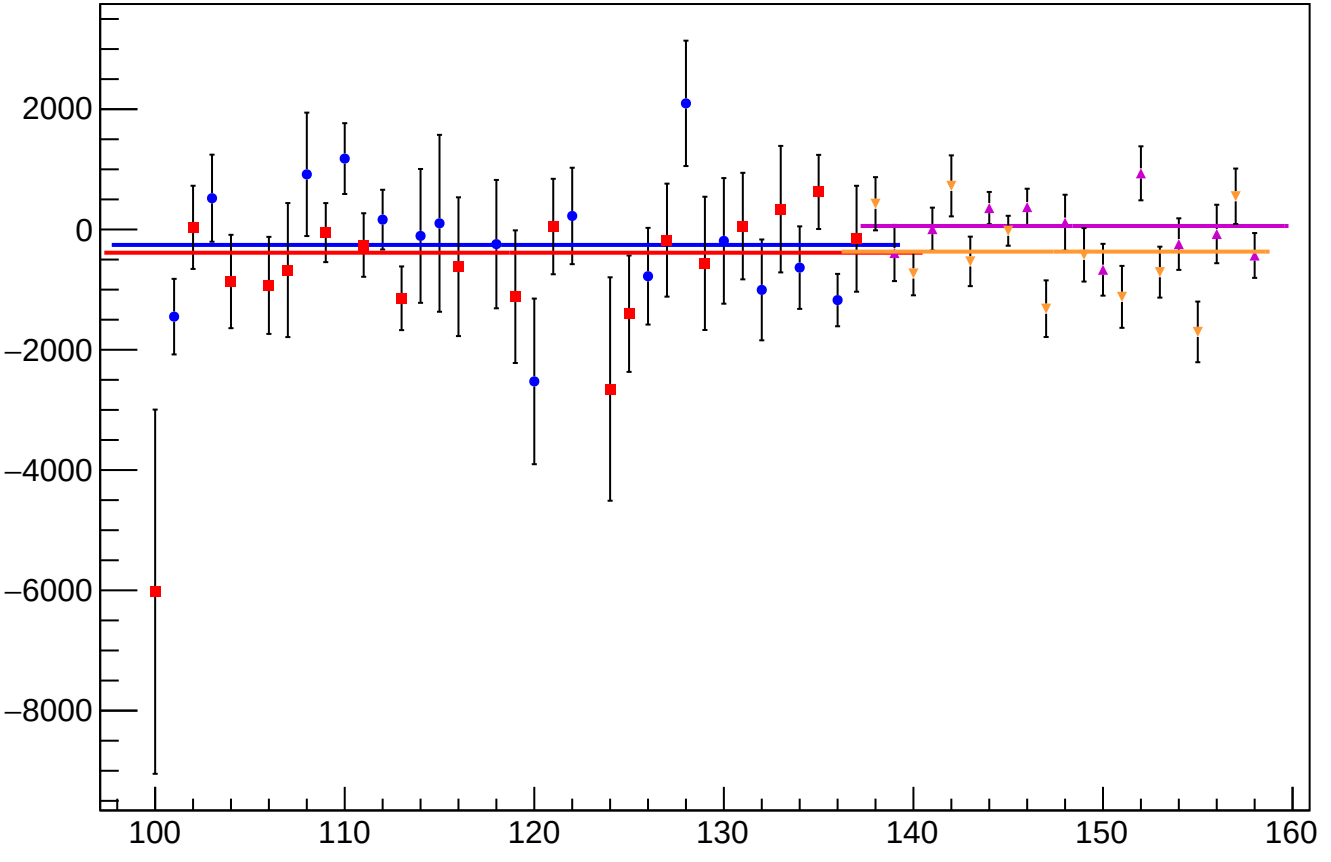
Left In: 341.226+/-0.084 χ^2/NDF:579909.0/9

+ sign 375.990+/-0.070 χ^2/NDF: 2664598.7/26

All: 376.887+/-0.049 χ^2/NDF: 4929082.7/55

- sign 377.765+/-0.069 χ^2/NDF: 2264157.9/28

asym_sam_15_37_dd_mean vs Slug



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -368.127+/-122.900 χ^2/NDF:28.8/10

Right Out: -386.449+/-182.363 χ^2/NDF: 14.2/18

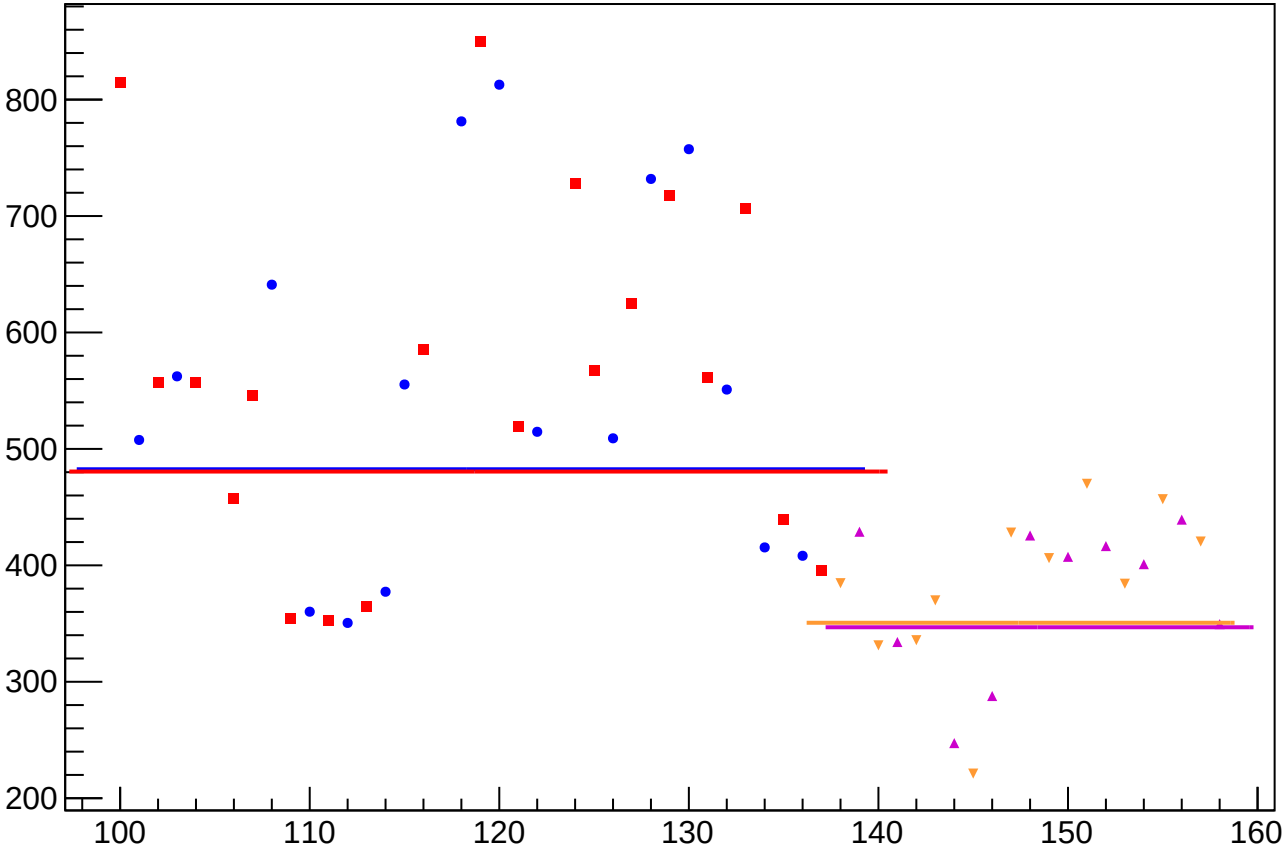
Left In: 58.084+/-120.434 χ^2/NDF:12.2/9

+ sign -334.395+/-102.615 χ^2/NDF: 56.0/26

All: -202.970+/-71.799 χ^2/NDF: 89.8/55

- sign -76.916+/-100.497 χ^2/NDF: 30.6/28

asym_sam_15_37_dd_rms vs Slug



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 350.688+/-0.087 χ^2/NDF:905508.7/10

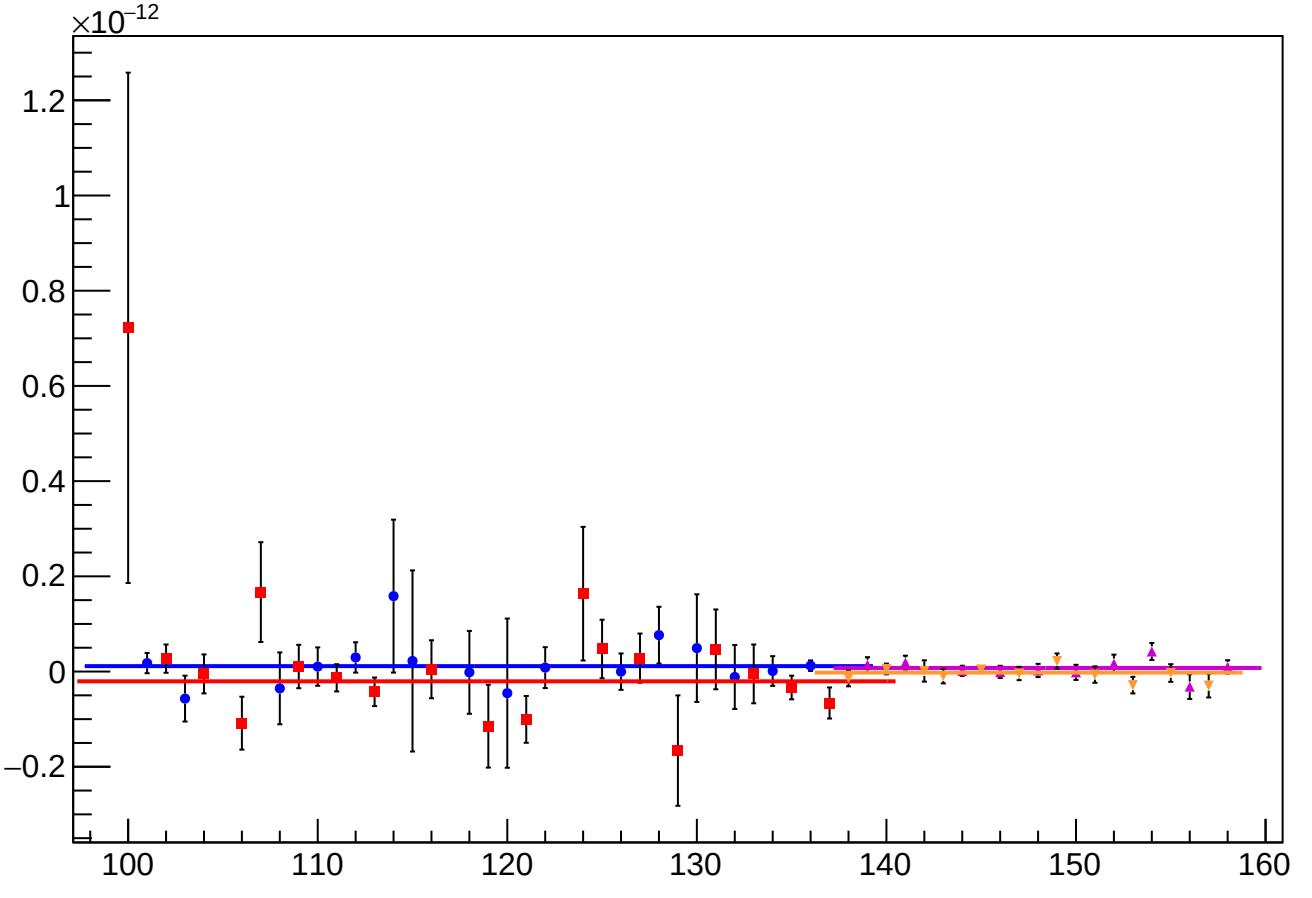
Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 346.824+/-0.085 χ^2/NDF:664463.1/9

\+ sign 390.612+/-0.073 χ^2/NDF: 2548923.2/26

All: 388.992+/-0.051 χ^2/NDF: 4957104.3/55

\- sign 387.438+/-0.071 χ^2/NDF: 2407204.4/28



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.5/10

Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/18

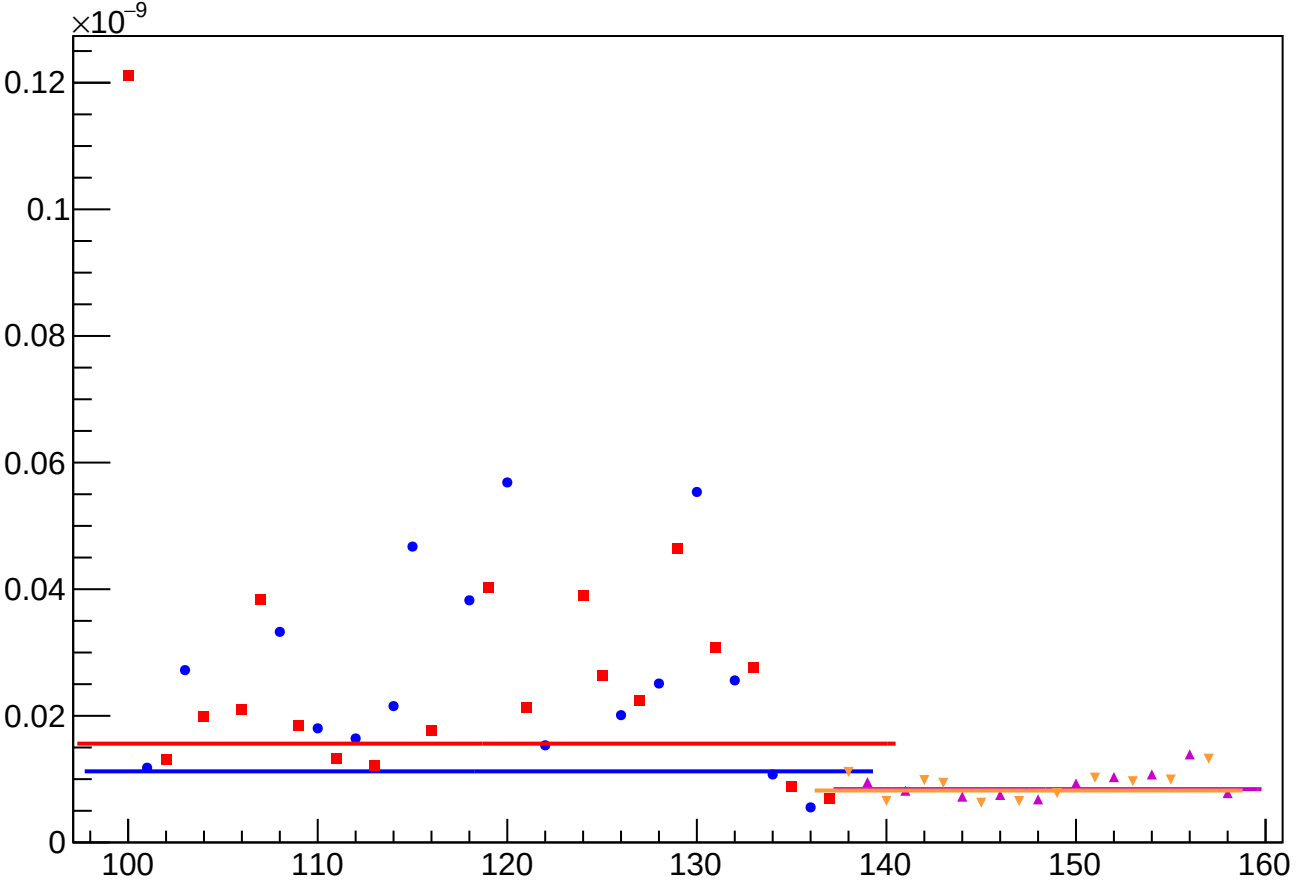
Left In: 0.000+/-0.000 χ^2/NDF:8.3/9

+ sign 0.000+/-0.000 χ^2/NDF: 15.2/26

All: 0.000+/-0.000 χ^2/NDF: 53.5/55

- sign 0.000+/-0.000 χ^2/NDF: 38.2/28

asym_sam_15_37_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2103068.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:375470.5/10

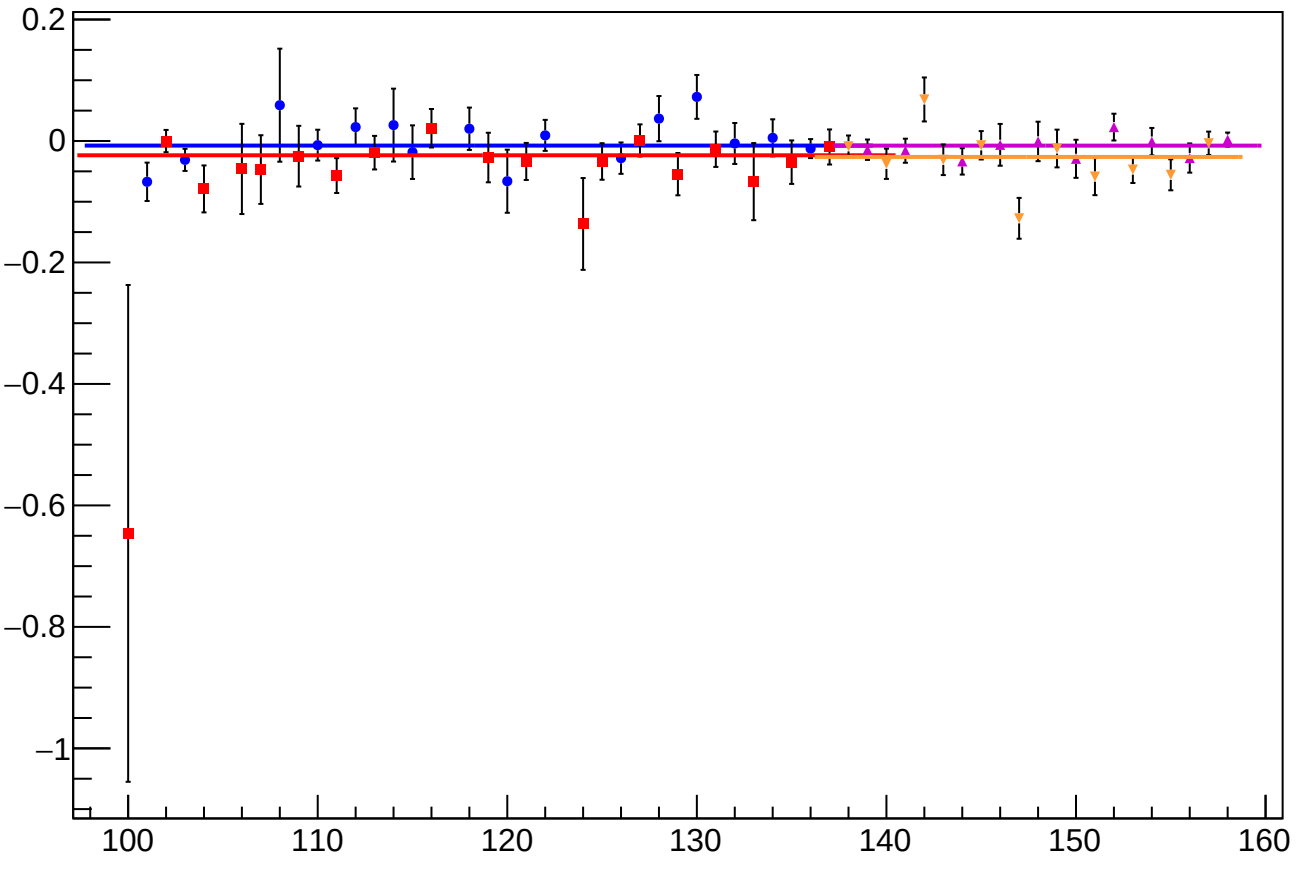
Right Out: 0.000+/-0.000 χ^2/NDF: 1184320.2/18

Left In: 0.000+/-0.000 χ^2/NDF:226616.1/9

+ sign 0.000+/-0.000 χ^2/NDF: 2695236.8/26

All: 0.000+/-0.000 χ^2/NDF: 4948644.2/55

- sign 0.000+/-0.000 χ^2/NDF: 2222301.5/28



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.026+/-0.007 χ^2/NDF:22.6/10

Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

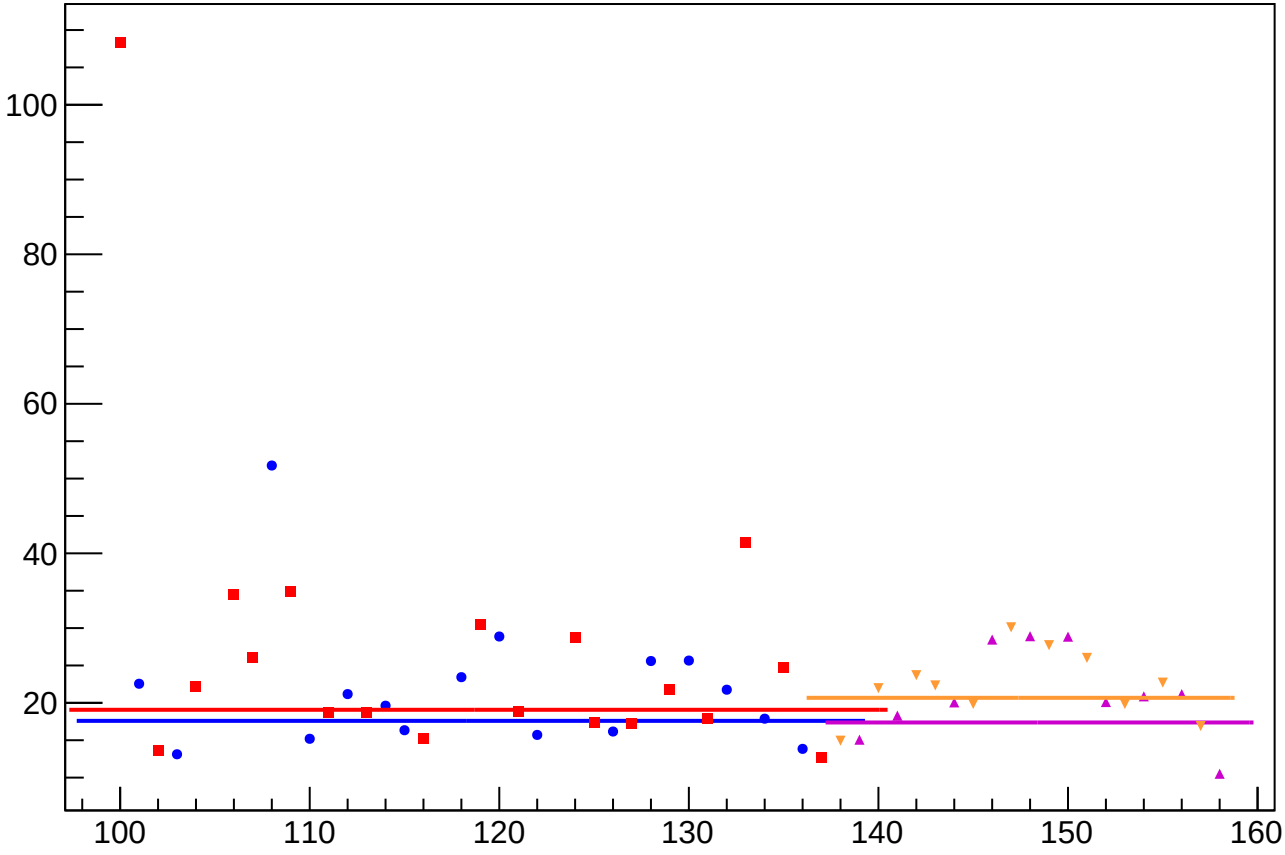
Left In: -0.008+/-0.006 χ^2/NDF:5.7/9

+ sign -0.017+/-0.005 χ^2/NDF: 42.6/26

All: -0.015+/-0.004 χ^2/NDF: 65.6/55

- sign -0.014+/-0.005 χ^2/NDF: 22.9/28

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 20.674+/-0.005 χ^2/NDF:651320.1/10

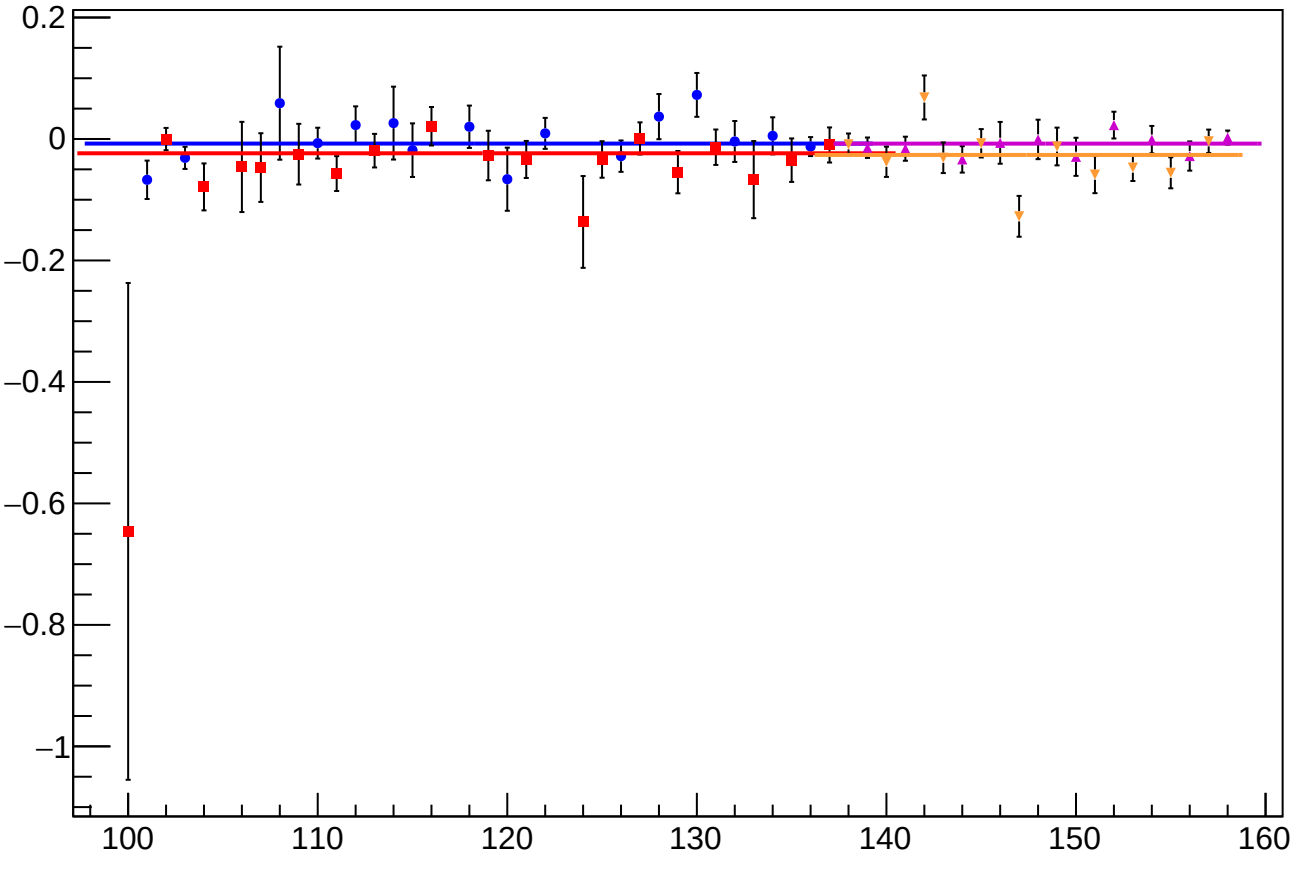
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 17.374+/-0.005 χ^2/NDF:1627503.5/9

+ sign 19.089+/-0.004 χ^2/NDF: 1822622.2/26

All: 18.556+/-0.003 χ^2/NDF: 4795819.7/55

- sign 18.067+/-0.003 χ^2/NDF: 2932389.0/28



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.026+/-0.007 χ^2/NDF:22.6/10

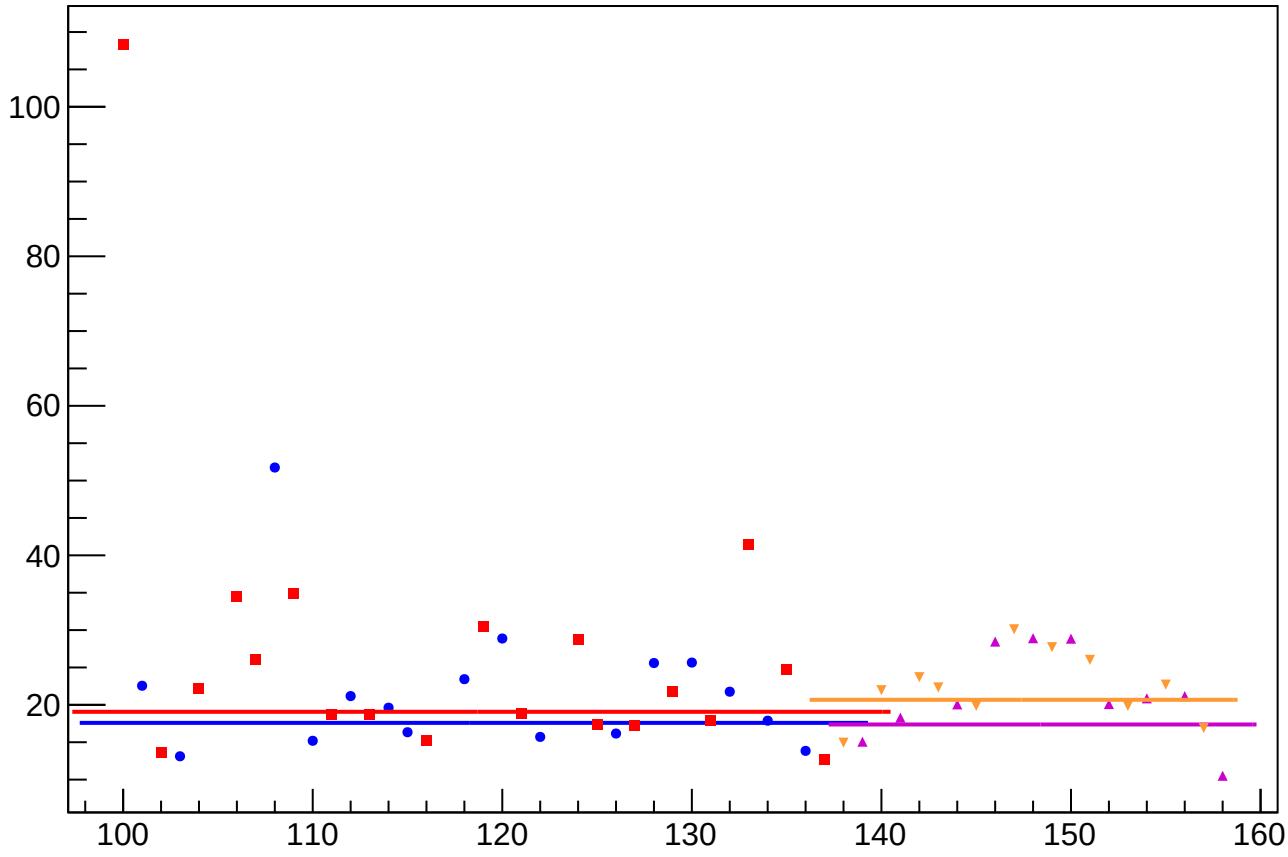
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.008+/-0.006 χ^2/NDF:5.7/9

+ sign -0.017+/-0.005 χ^2/NDF: 42.6/26

All: -0.015+/-0.004 χ^2/NDF: 65.6/55

- sign -0.014+/-0.005 χ^2/NDF: 22.9/28



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 20.674+/-0.005 χ^2/NDF:651320.1/10

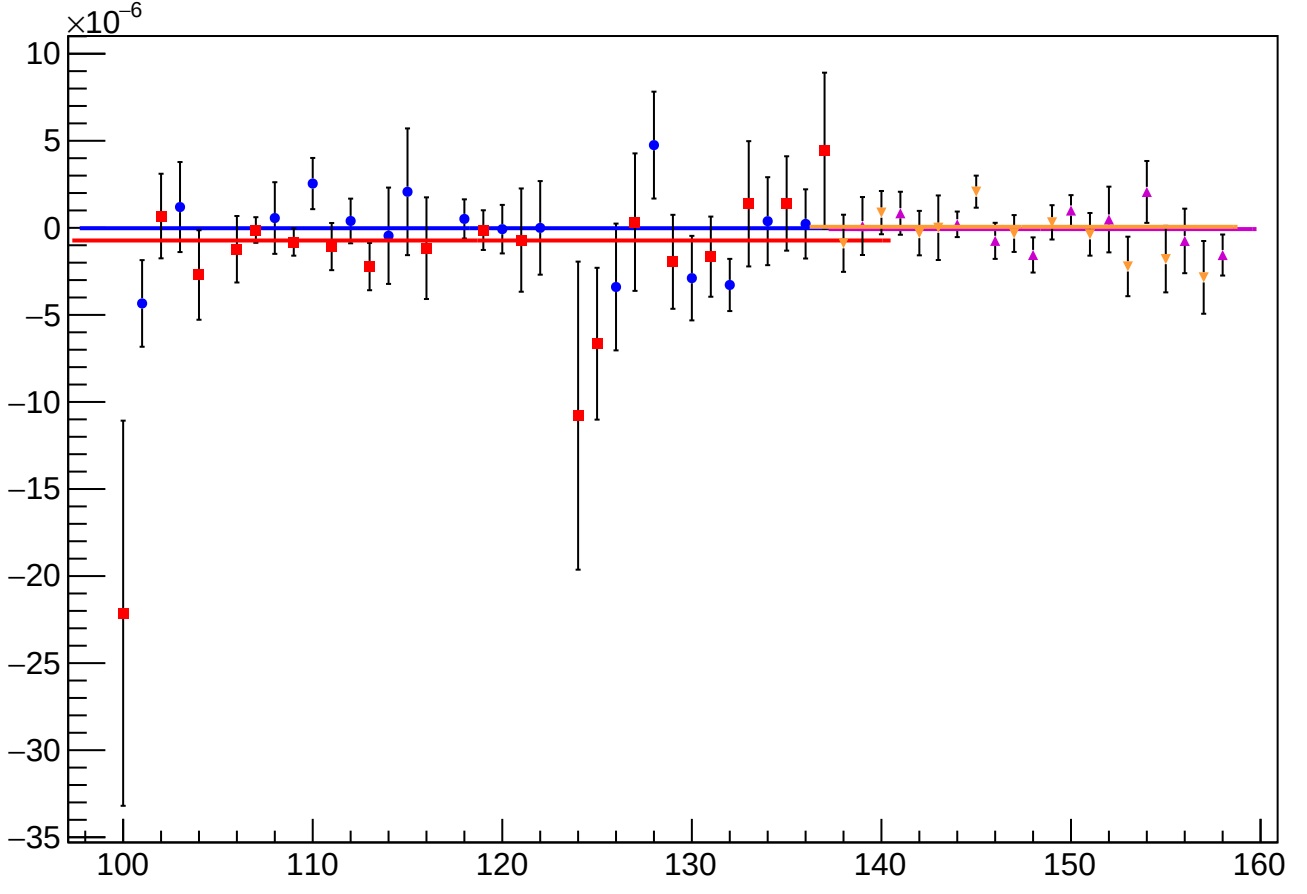
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 17.374+/-0.005 χ^2/NDF:1627503.5/9

+ sign 19.089+/-0.004 χ^2/NDF: 1822622.2/26

All: 18.556+/-0.003 χ^2/NDF: 4795819.7/55

- sign 18.067+/-0.003 χ^2/NDF: 2932389.0/28



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/10

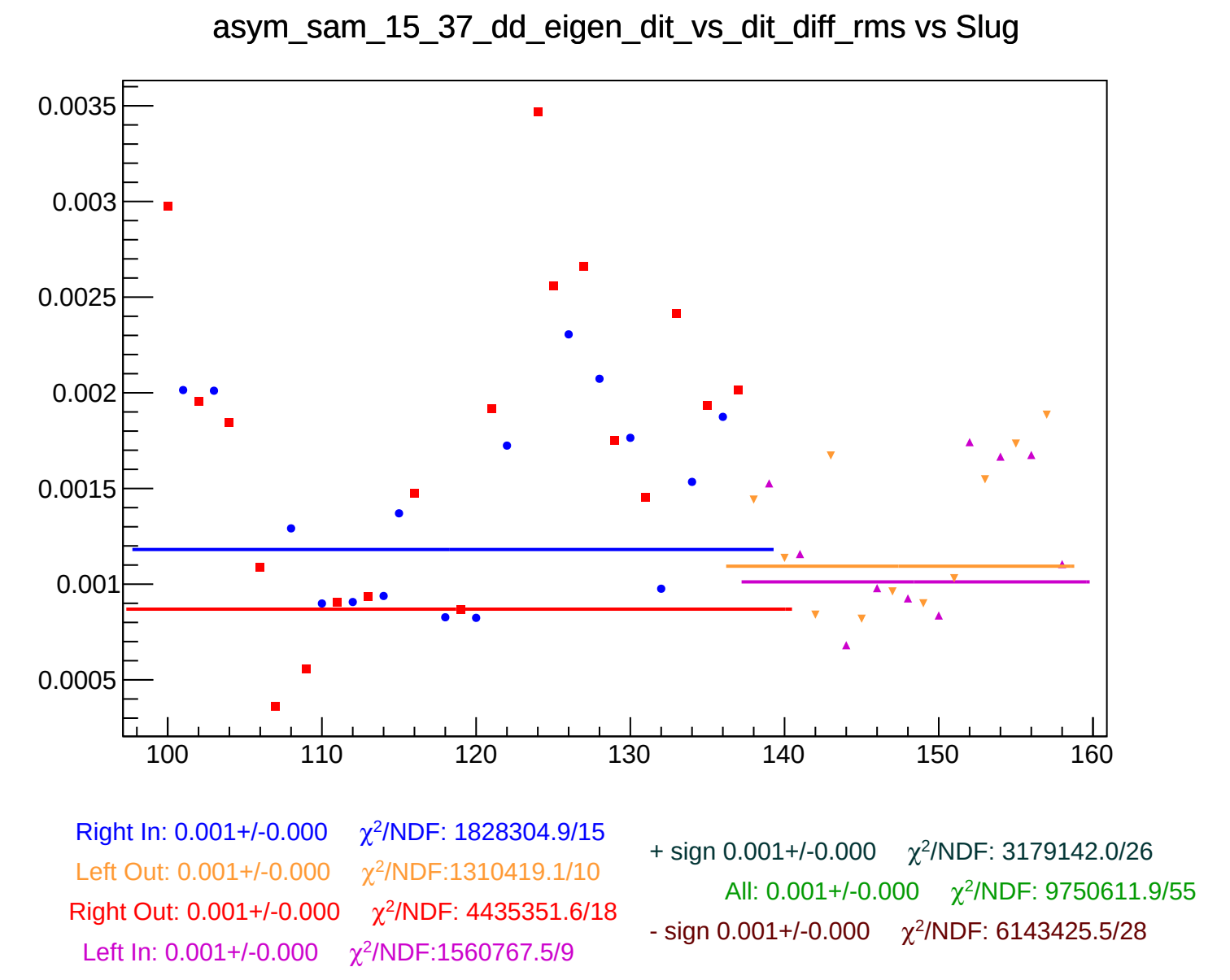
Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

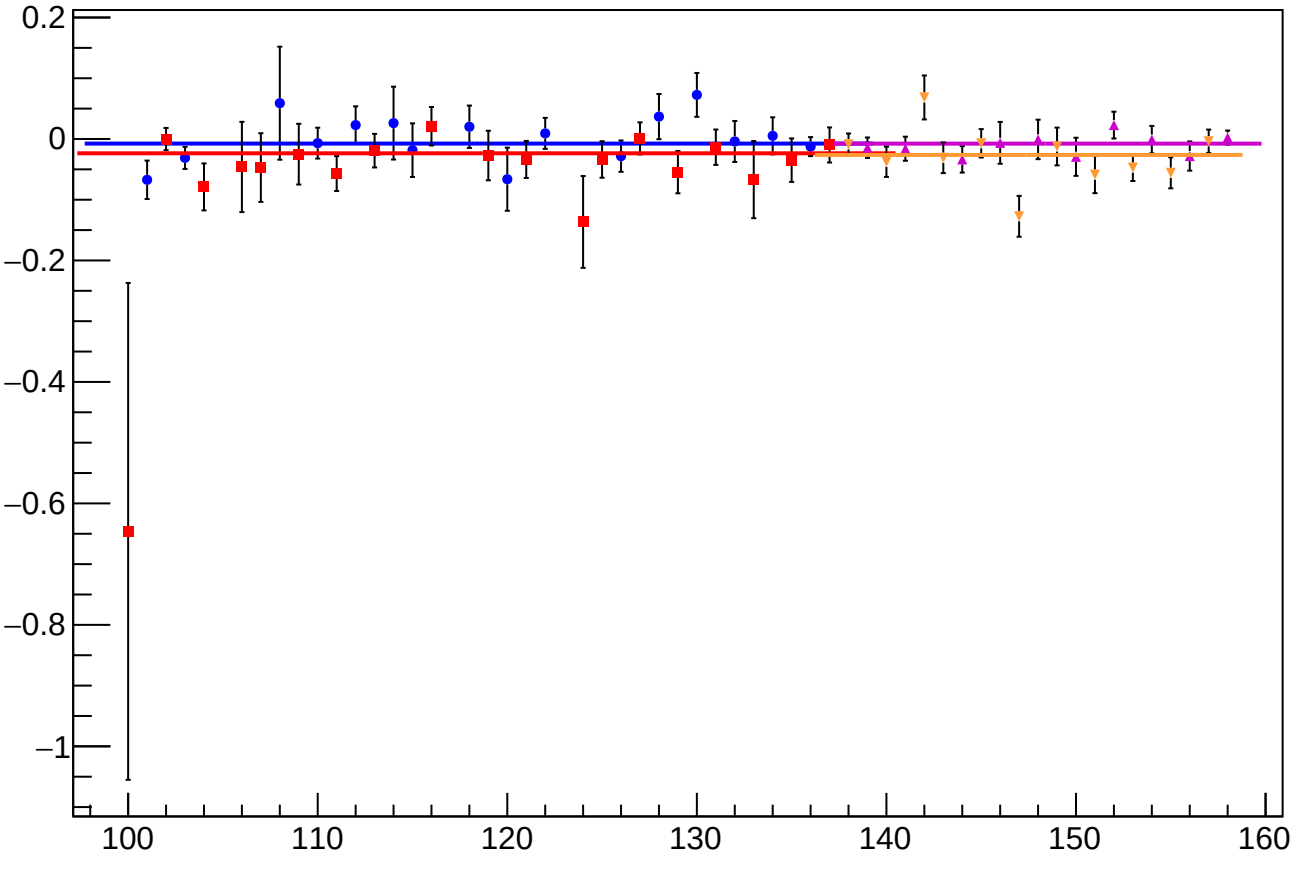
Left In: -0.000+/-0.000 χ^2/NDF:8.0/9

+ sign 0.000+/-0.000 χ^2/NDF: 27.1/26

All: -0.000+/-0.000 χ^2/NDF: 50.6/55

- sign -0.000+/-0.000 χ^2/NDF: 22.4/28


asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 1828304.9/15
Left Out: 0.001+/-0.000 χ²/NDF:1310419.1/10
Right Out: 0.001+/-0.000 χ²/NDF: 4435351.6/18
Left In: 0.001+/-0.000 χ²/NDF:1560767.5/9
+ sign 0.001+/-0.000 χ²/NDF: 3179142.0/26
All: 0.001+/-0.000 χ²/NDF: 9750611.9/55
- sign 0.001+/-0.000 χ²/NDF: 6143425.5/28



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.026+/-0.007 χ^2/NDF:22.6/10

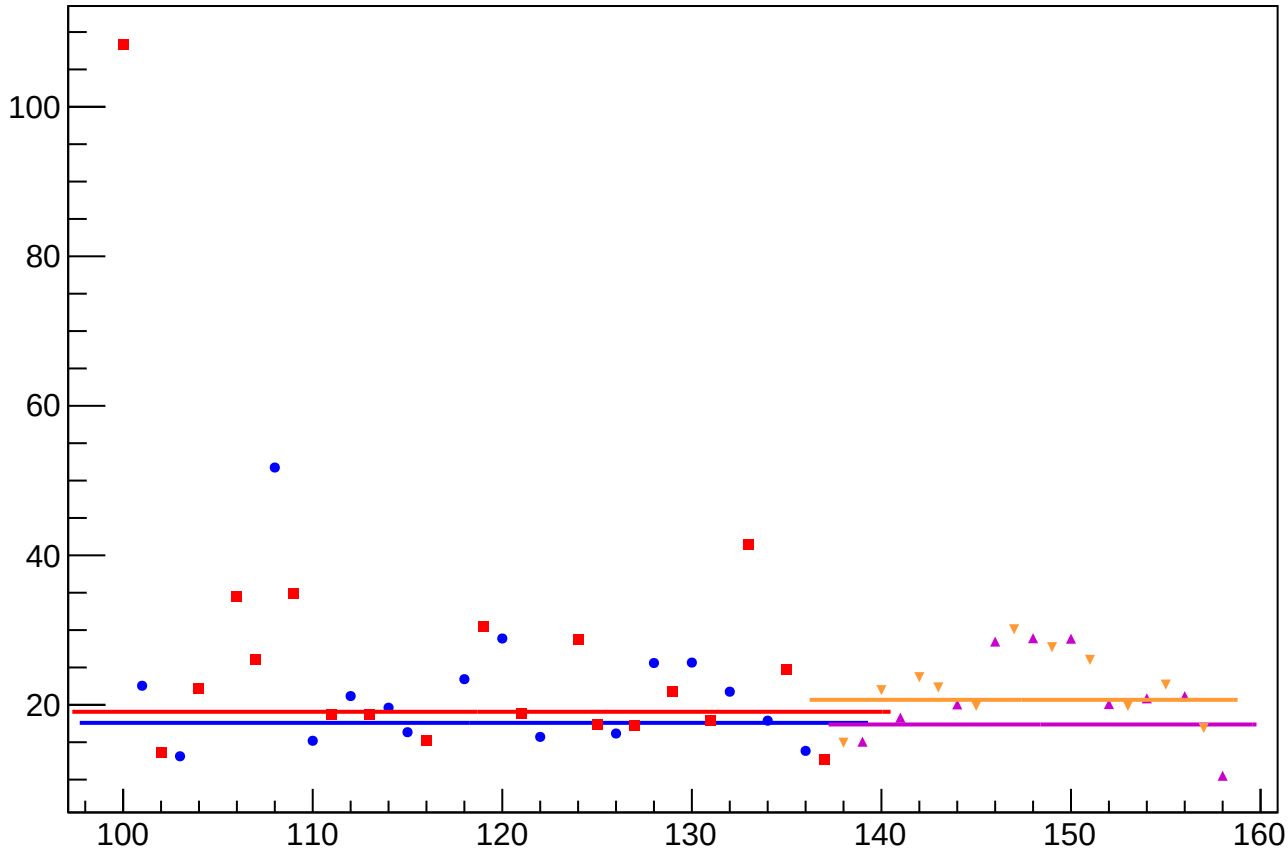
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.008+/-0.006 χ^2/NDF:5.7/9

+ sign -0.017+/-0.005 χ^2/NDF: 42.6/26

All: -0.015+/-0.004 χ^2/NDF: 65.6/55

- sign -0.014+/-0.005 χ^2/NDF: 22.9/28



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 20.674+/-0.005 χ^2/NDF:651320.7/10

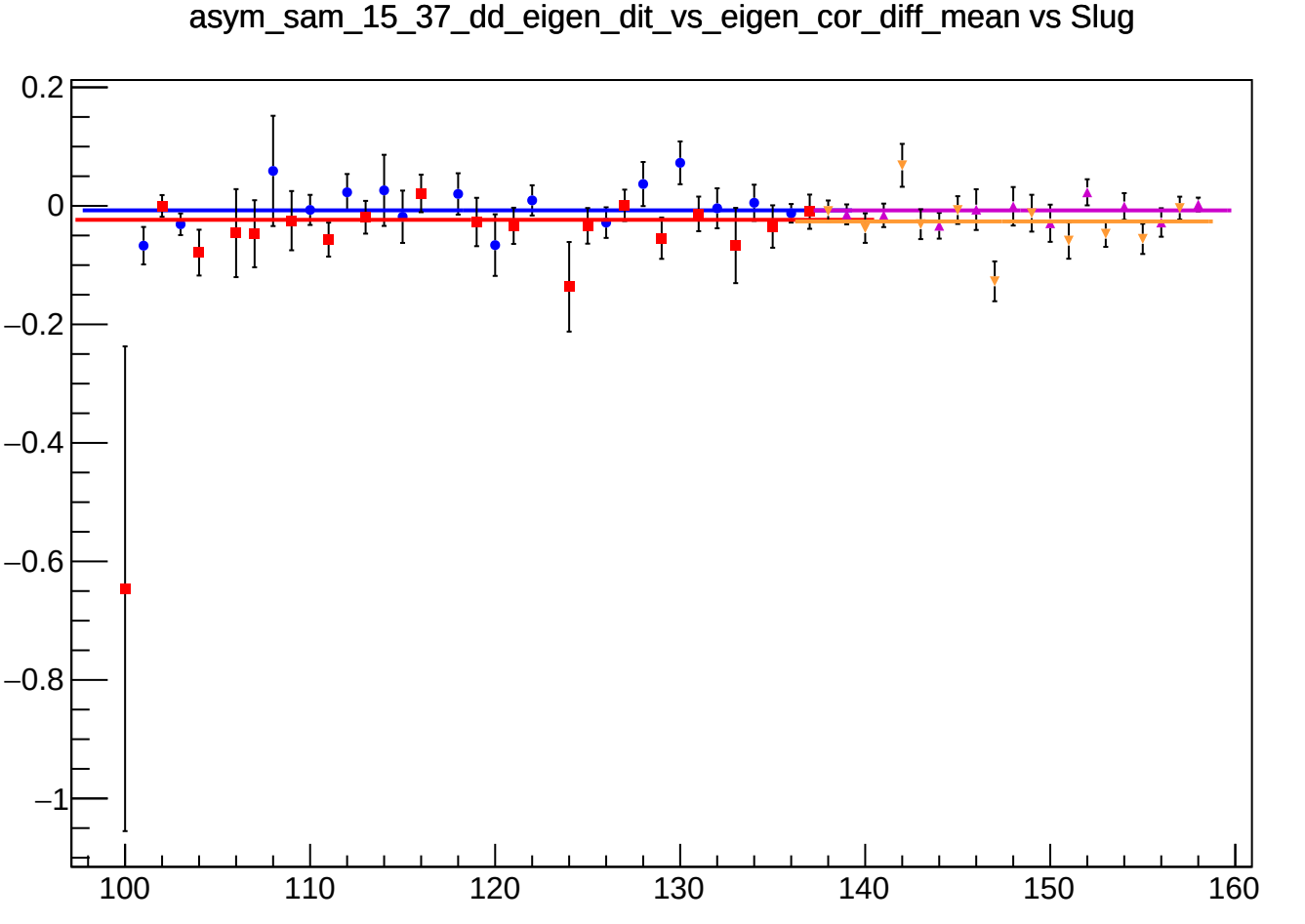
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 17.374+/-0.005 χ^2/NDF:1627706.5/9

+ sign 19.089+/-0.004 χ^2/NDF: 1822676.5/26

All: 18.556+/-0.003 χ^2/NDF: 4796047.2/55

- sign 18.067+/-0.003 χ^2/NDF: 2932551.8/28



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.026+/-0.007 χ^2/NDF:22.6/10

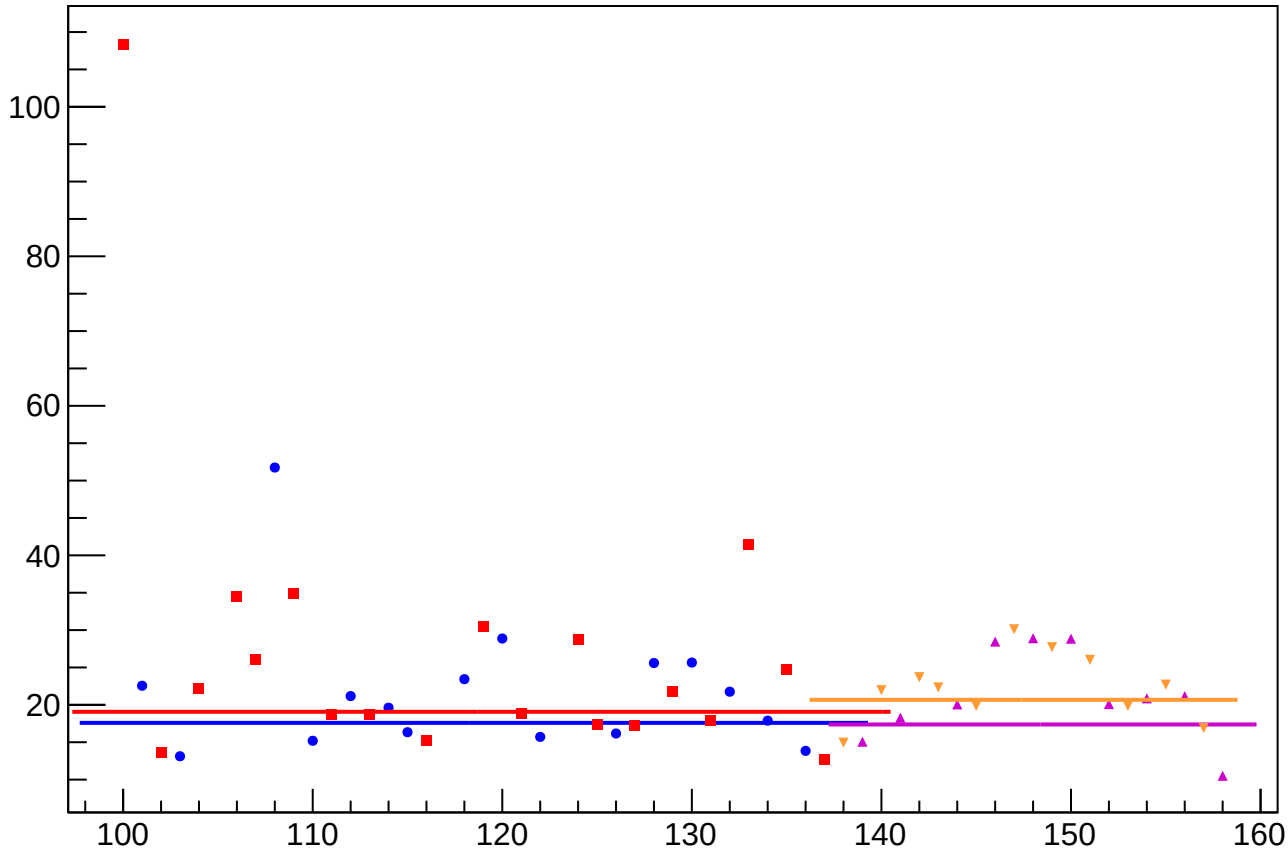
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.008+/-0.006 χ^2/NDF:5.7/9

+ sign -0.017+/-0.005 χ^2/NDF: 42.6/26

All: -0.015+/-0.004 χ^2/NDF: 65.6/55

- sign -0.014+/-0.005 χ^2/NDF: 22.9/28



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 20.674+/-0.005 χ^2/NDF:651320.7/10

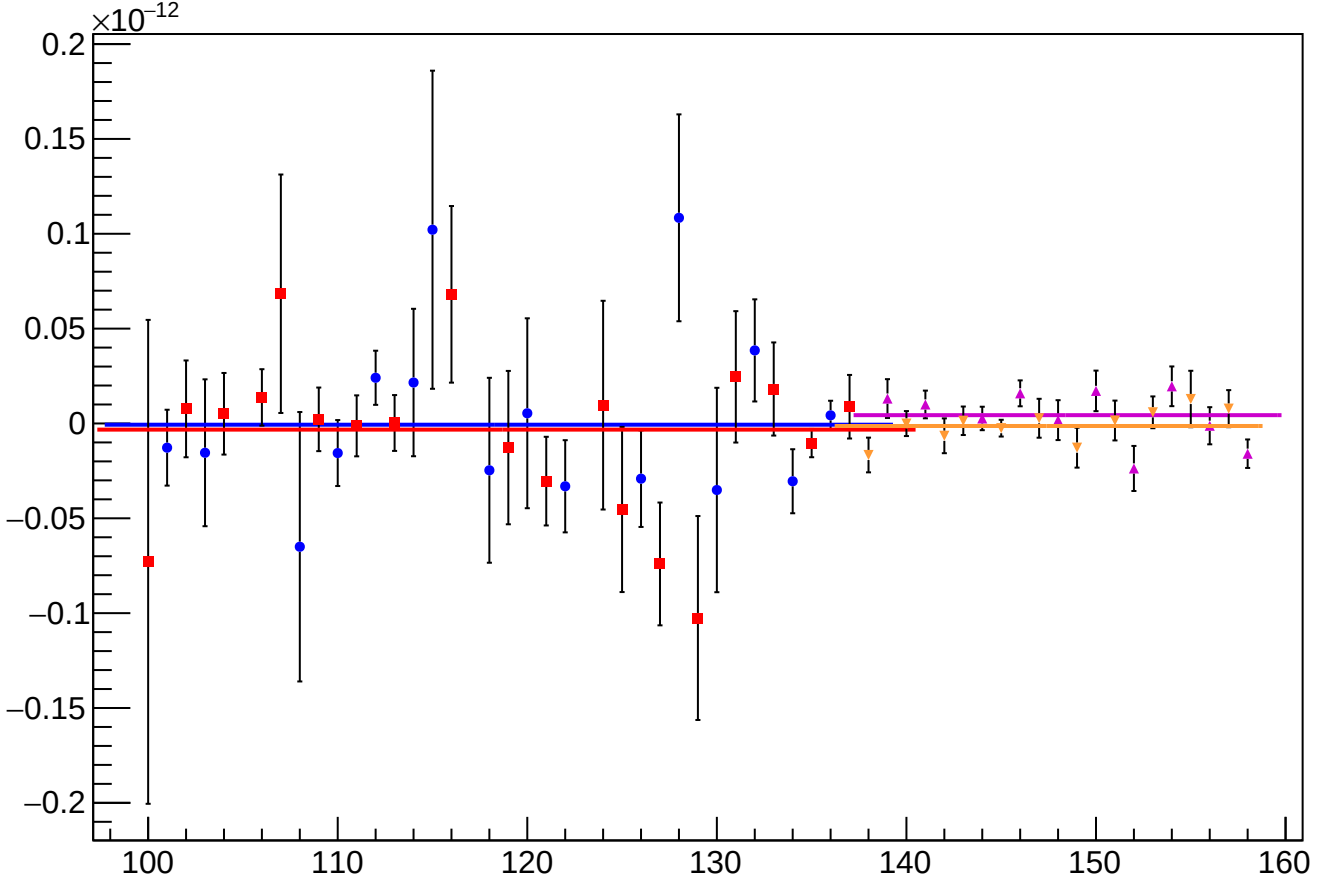
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 17.374+/-0.005 χ^2/NDF:1627706.5/9

+ sign 19.089+/-0.004 χ^2/NDF: 1822676.5/26

All: 18.556+/-0.003 χ^2/NDF: 4796047.2/55

- sign 18.067+/-0.003 χ^2/NDF: 2932551.8/28



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.3/10

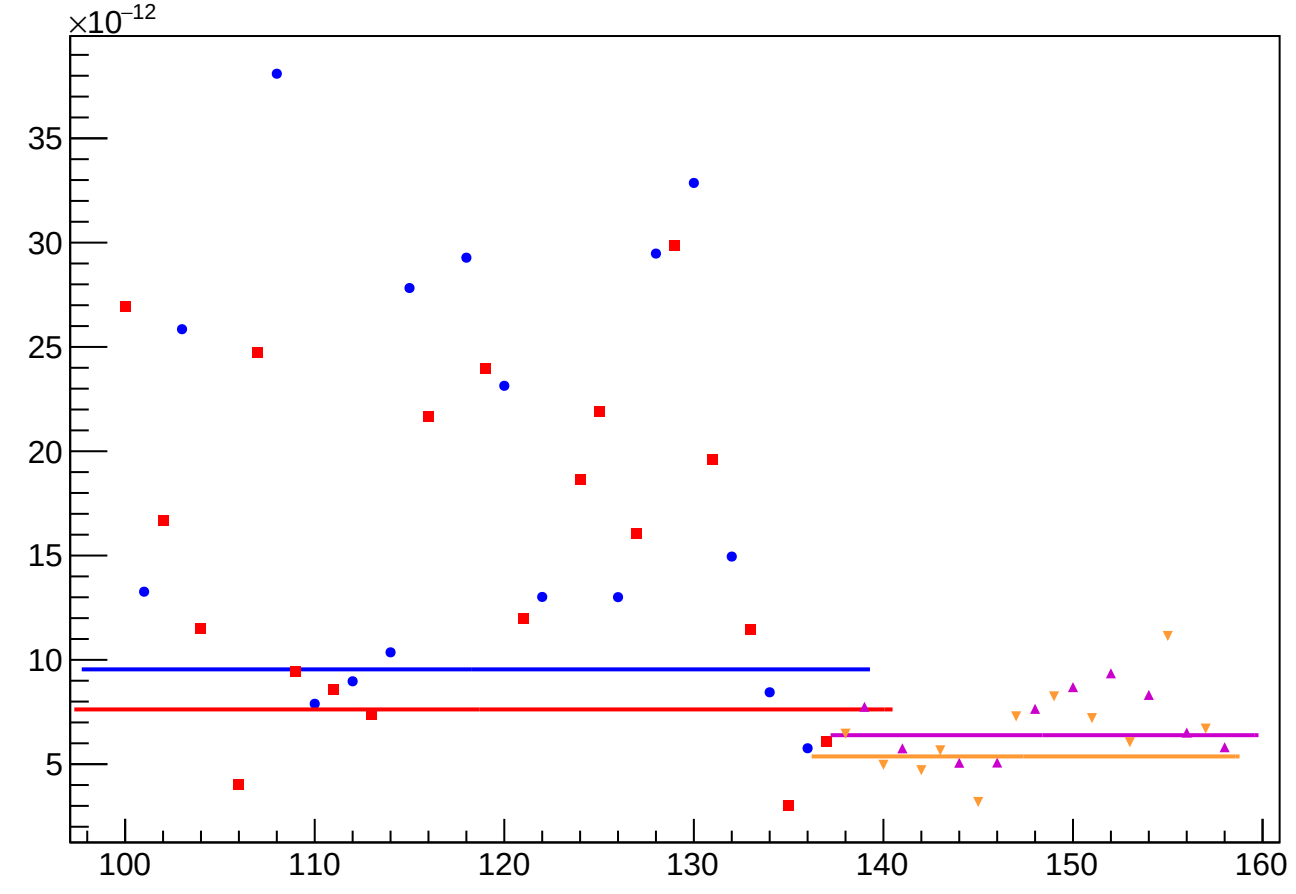
Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:21.1/9

+ sign -0.000+/-0.000 χ^2/NDF: 27.6/26

All: 0.000+/-0.000 χ^2/NDF: 71.2/55

- sign 0.000+/-0.000 χ^2/NDF: 42.4/28



Right In: 0.000+/-0.000 χ^2/NDF: 2632531.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1170147.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 3086000.4/18

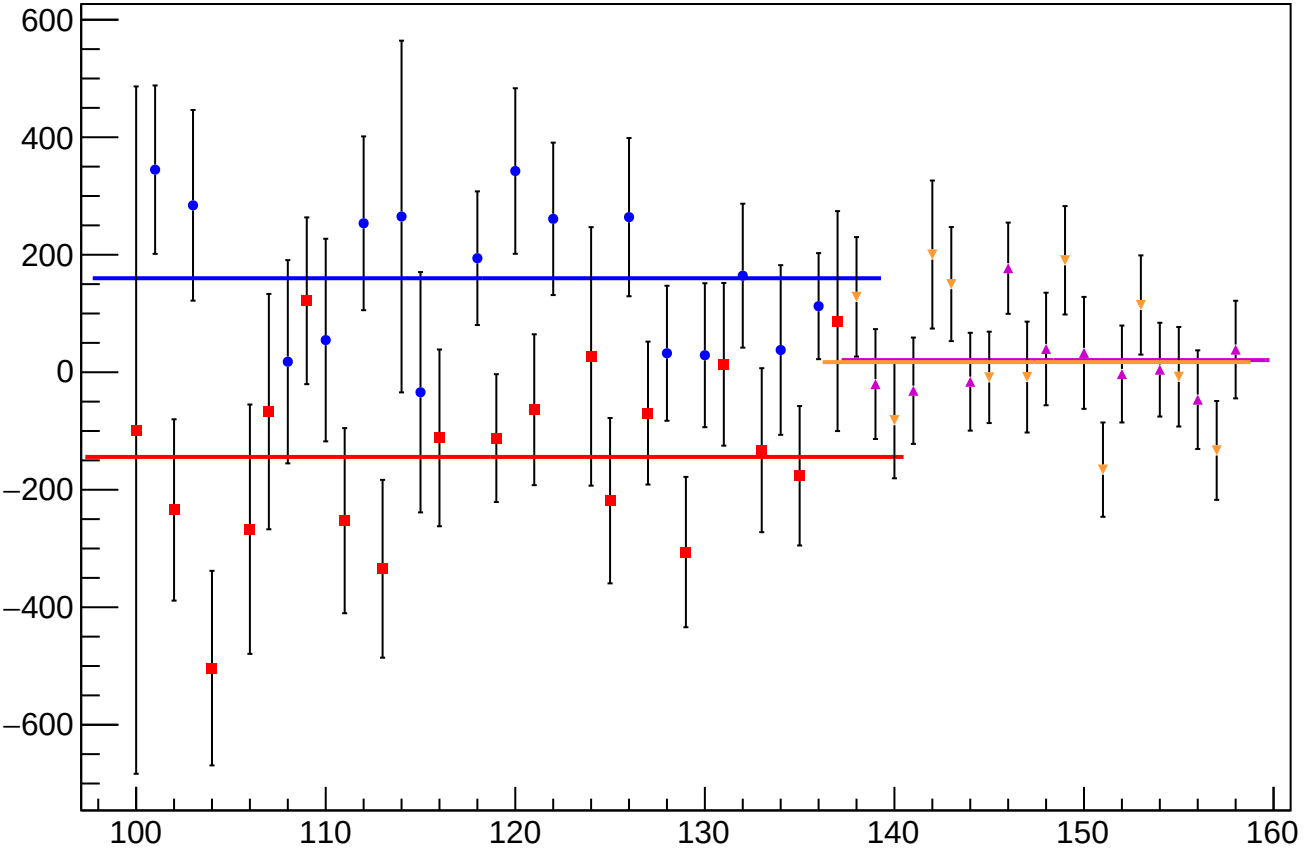
Left In: 0.000+/-0.000 χ^2/NDF:541975.3/9

+ sign 0.000+/-0.000 χ^2/NDF: 4910011.2/26

All: 0.000+/-0.000 χ^2/NDF: 8715796.6/55

- sign 0.000+/-0.000 χ^2/NDF: 3739453.8/28

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: 17.263+/-27.328 χ^2/NDF:19.7/10

Right Out: -144.117+/-34.213 χ^2/NDF: 17.4/18

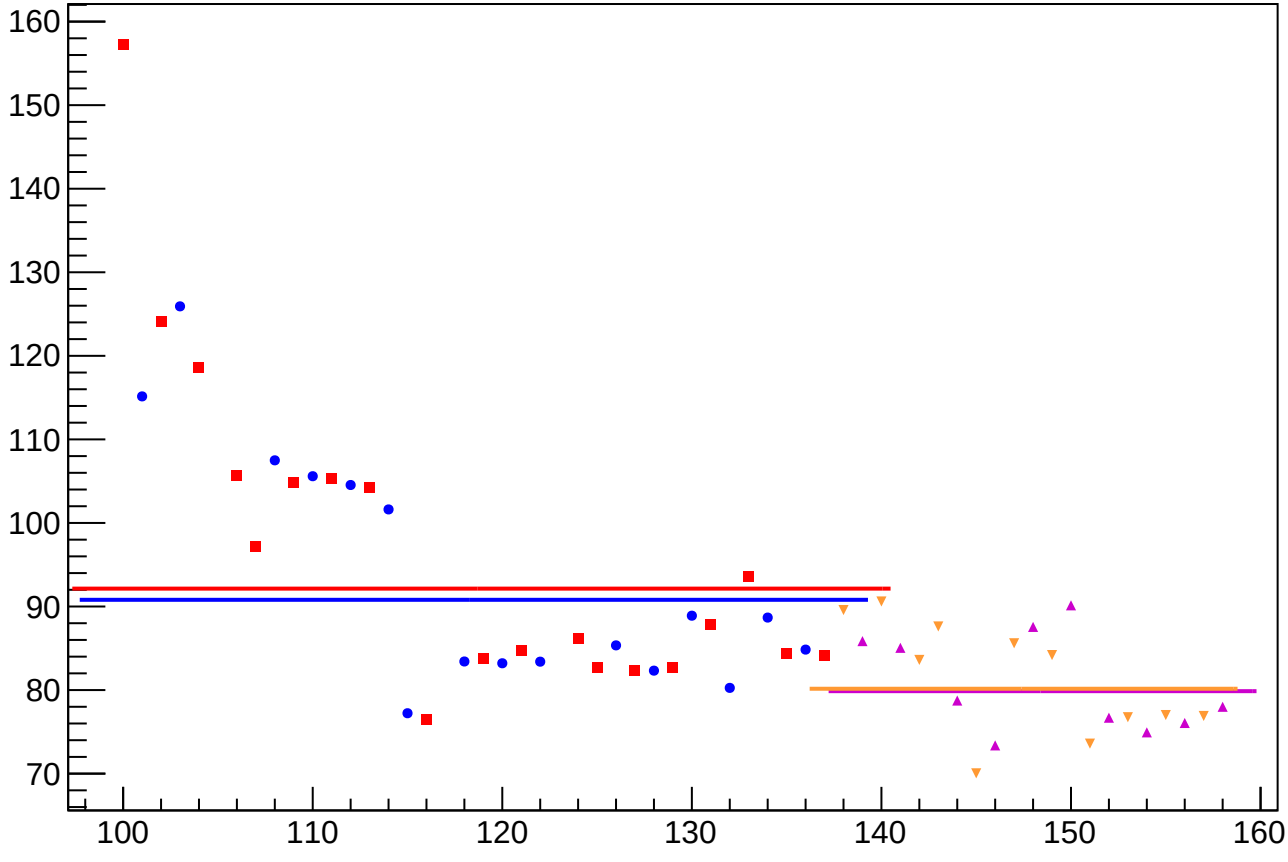
Left In: 20.720+/-27.151 χ^2/NDF:5.6/9

+ sign 72.954+/-21.342 χ^2/NDF: 41.4/26

All: 14.788+/-15.065 χ^2/NDF: 93.5/55

- sign -42.974+/-21.268 χ^2/NDF: 37.3/28

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272755.2/15

Left Out: 80.158+/-0.019 χ^2/NDF:119470.9/10

Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

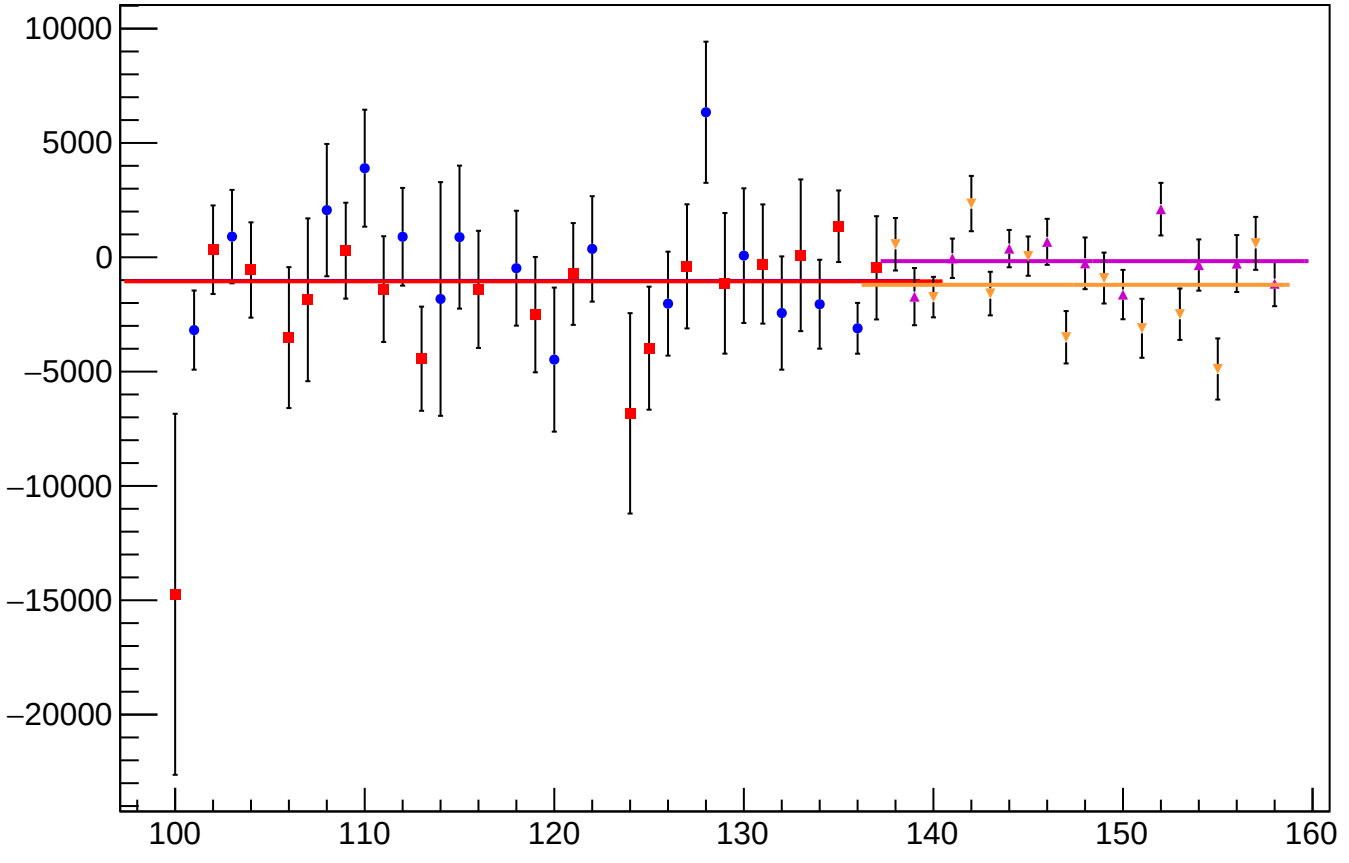
Left In: 79.869+/-0.019 χ^2/NDF:81003.4/9

+ sign 84.310+/-0.015 χ^2/NDF: 510582.5/26

All: 84.461+/-0.011 χ^2/NDF: 1051722.0/55

- sign 84.611+/-0.015 χ^2/NDF: 540940.5/28

asym_sam_24_68_dd_reg_correction_mean vs Slug



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -1205.062+/-325.533 χ^2/NDF:31.3/10

Right Out: -1051.517+/-568.935 χ^2/NDF: 12.9/18

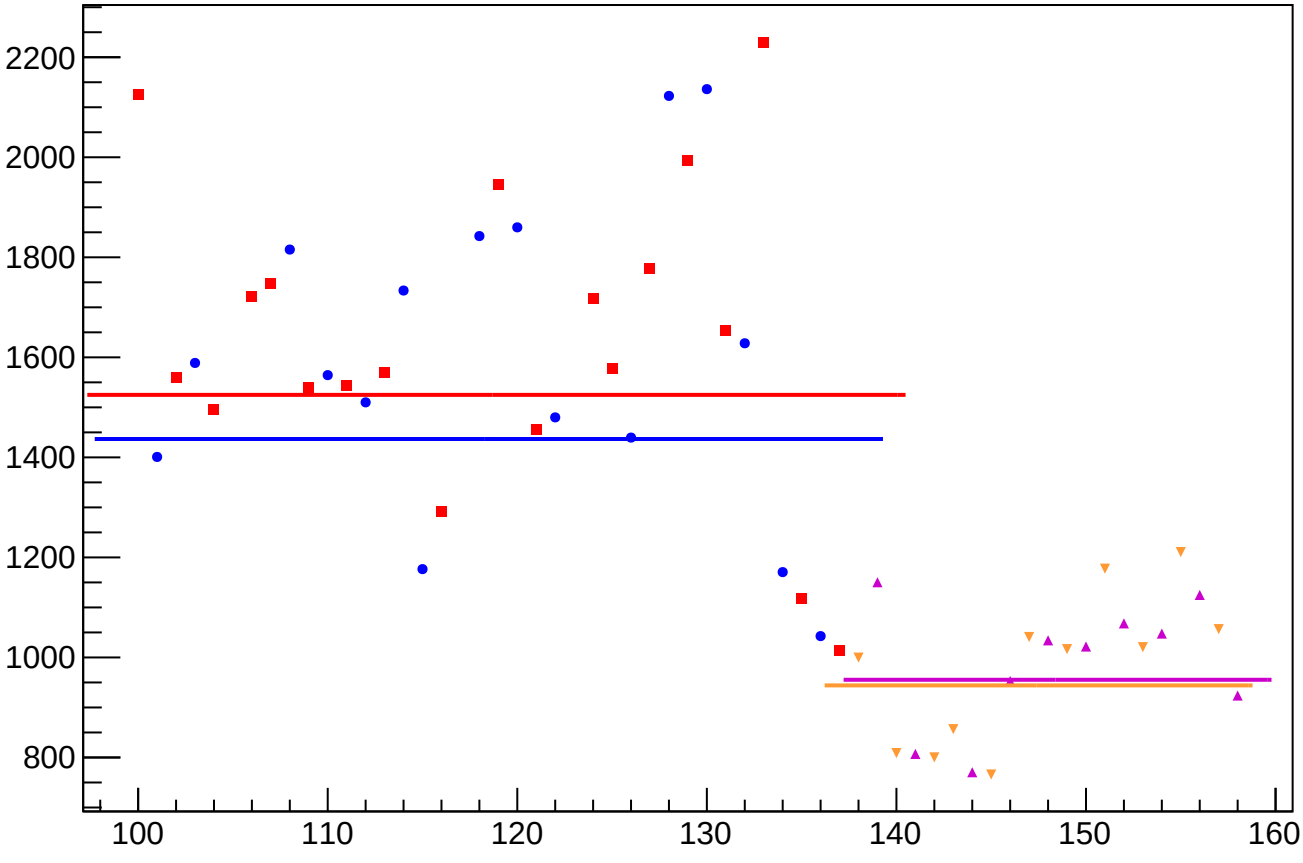
Left In: -168.699+/-327.199 χ^2/NDF:9.5/9

+ sign -1160.975+/-280.168 χ^2/NDF: 51.6/26

All: -779.301+/-199.324 χ^2/NDF: 79.5/55

- sign -388.117+/-283.637 χ^2/NDF: 24.2/28

asym_sam_24_68_dd_reg_correction_rms vs Slug



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 944.102+/-0.230 χ^2/NDF:378136.2/10

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

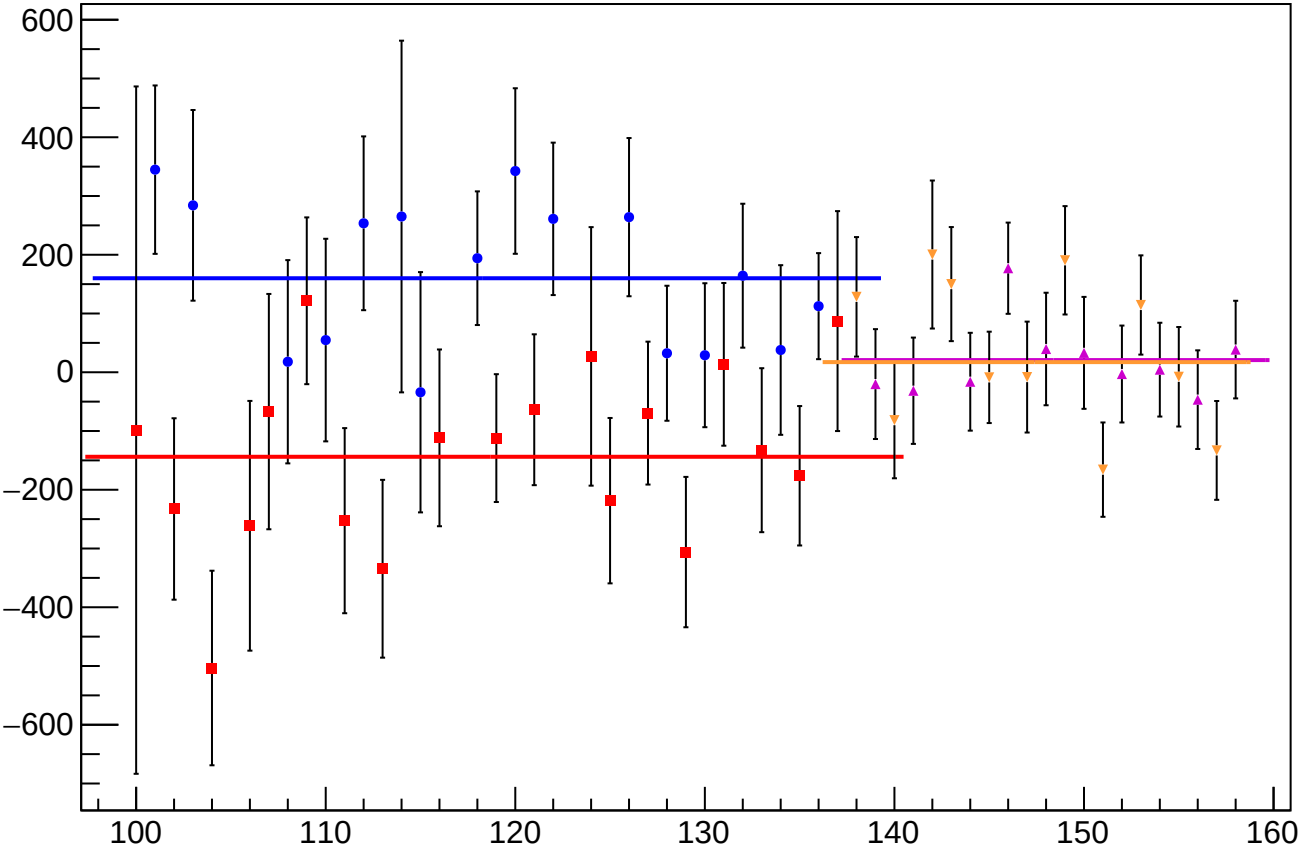
Left In: 955.375+/-0.231 χ^2/NDF:299462.1/9

+ sign 1071.837+/-0.198 χ^2/NDF: 2241412.4/26

All: 1084.234+/-0.141 χ^2/NDF: 4559693.7/55

- sign 1096.941+/-0.201 χ^2/NDF: 2310351.5/28

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: 17.268+/-27.328 χ^2/NDF:19.7/10

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

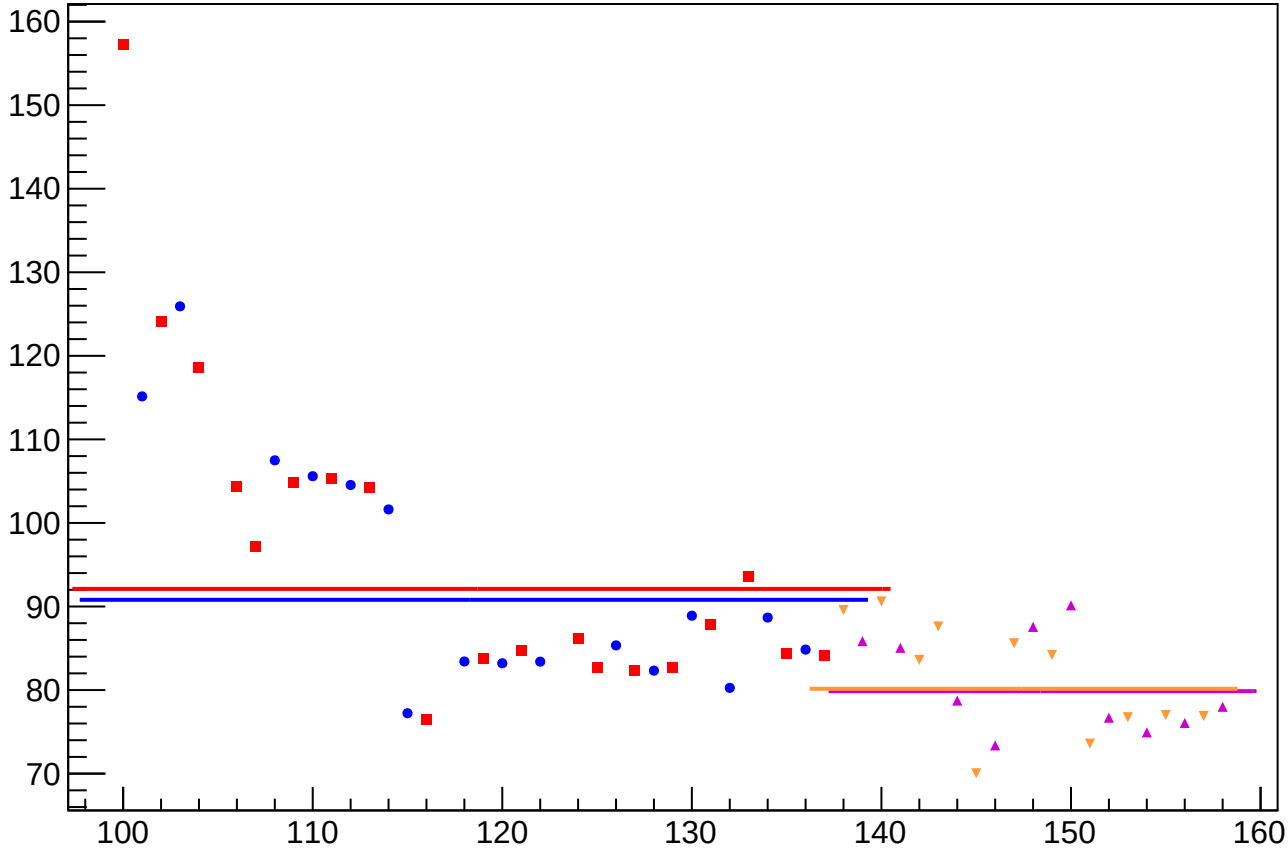
Left In: 20.718+/-27.151 χ^2/NDF:5.6/9

+ sign 72.956+/-21.342 χ^2/NDF: 41.4/26

All: 14.842+/-15.065 χ^2/NDF: 93.4/55

- sign -42.872+/-21.268 χ^2/NDF: 37.2/28

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 80.158+/-0.019 χ^2/NDF:119470.9/10

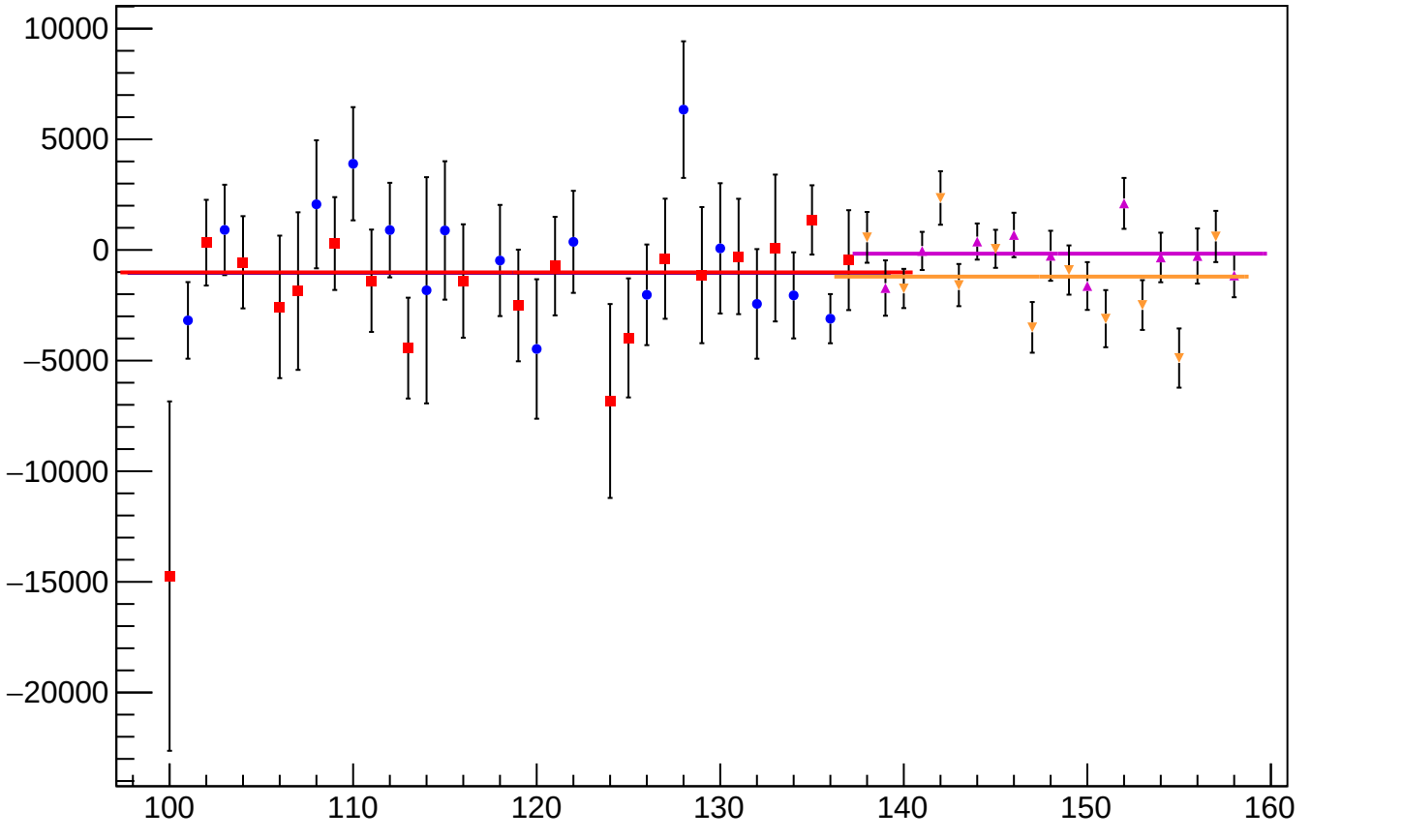
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 79.869+/-0.019 χ^2/NDF:81003.4/9

+ sign 84.310+/-0.015 χ^2/NDF: 510584.4/26

All: 84.454+/-0.011 χ^2/NDF: 1049580.4/55

- sign 84.598+/-0.015 χ^2/NDF: 538814.0/28



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -1205.055+/-325.533 χ^2/NDF:31.3/10

Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

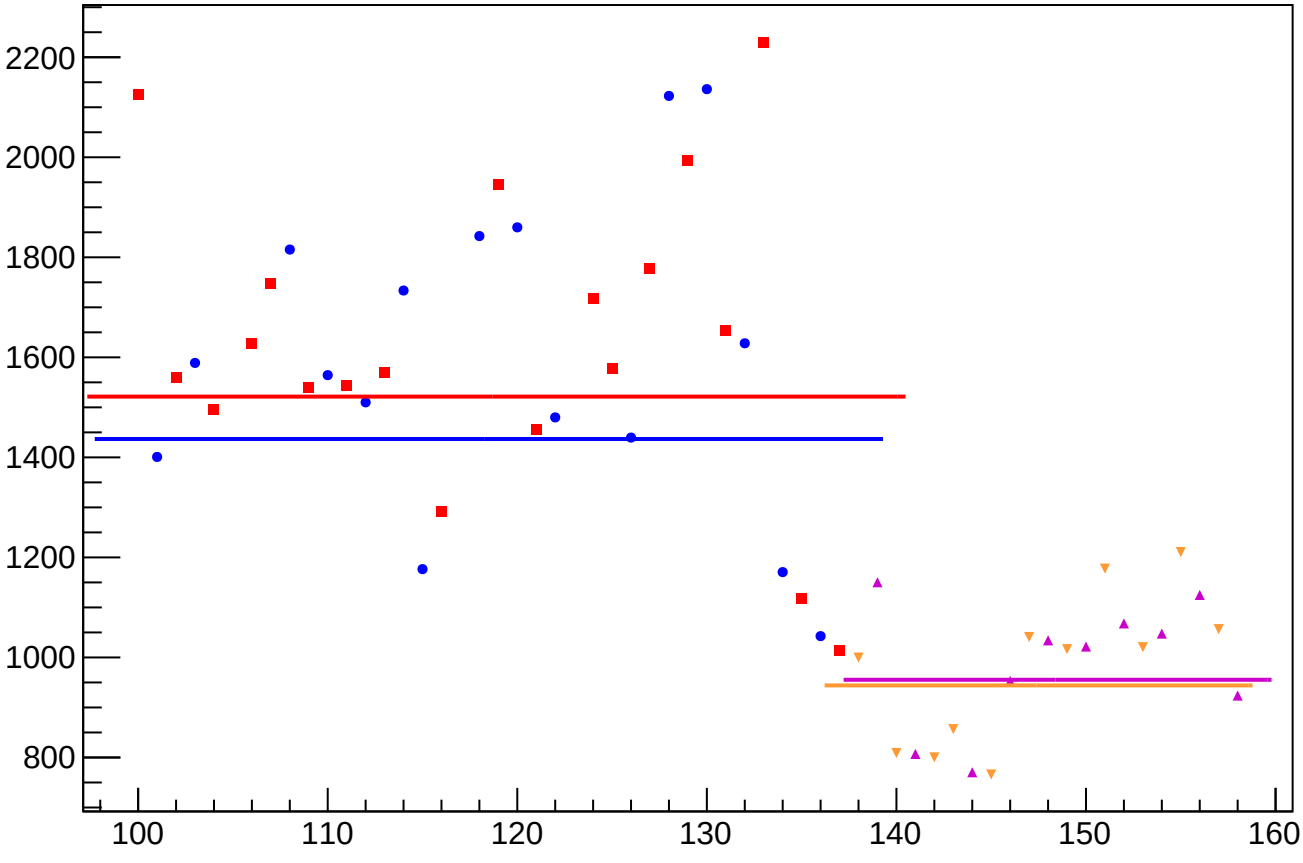
Left In: -168.701+/-327.199 χ^2/NDF:9.5/9

+ sign -1160.964+/-280.169 χ^2/NDF: 51.6/26

All: -774.775+/-199.360 χ^2/NDF: 79.0/55

- sign -378.674+/-283.741 χ^2/NDF: 23.6/28

asym_sam_24_68_dd_cor_correction_rms vs Slug



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 944.101+/-0.230 χ^2/NDF:378137.4/10

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

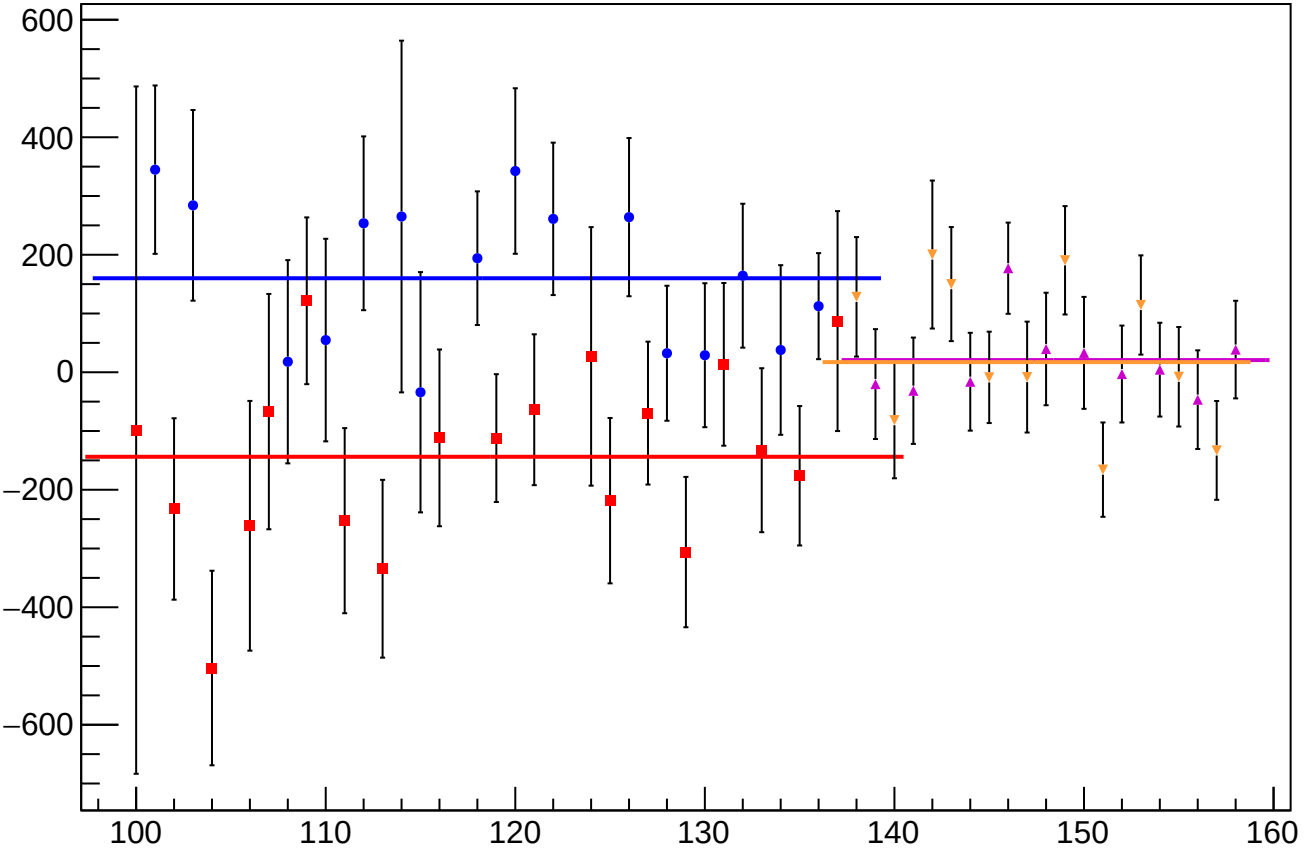
Left In: 955.375+/-0.231 χ^2/NDF:299462.1/9

+ sign 1071.837+/-0.198 χ^2/NDF: 2241435.9/26

All: 1083.652+/-0.141 χ^2/NDF: 4531260.8/55

- sign 1095.770+/-0.201 χ^2/NDF: 2282620.1/28

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: 17.268+/-27.328 χ^2/NDF:19.7/10

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

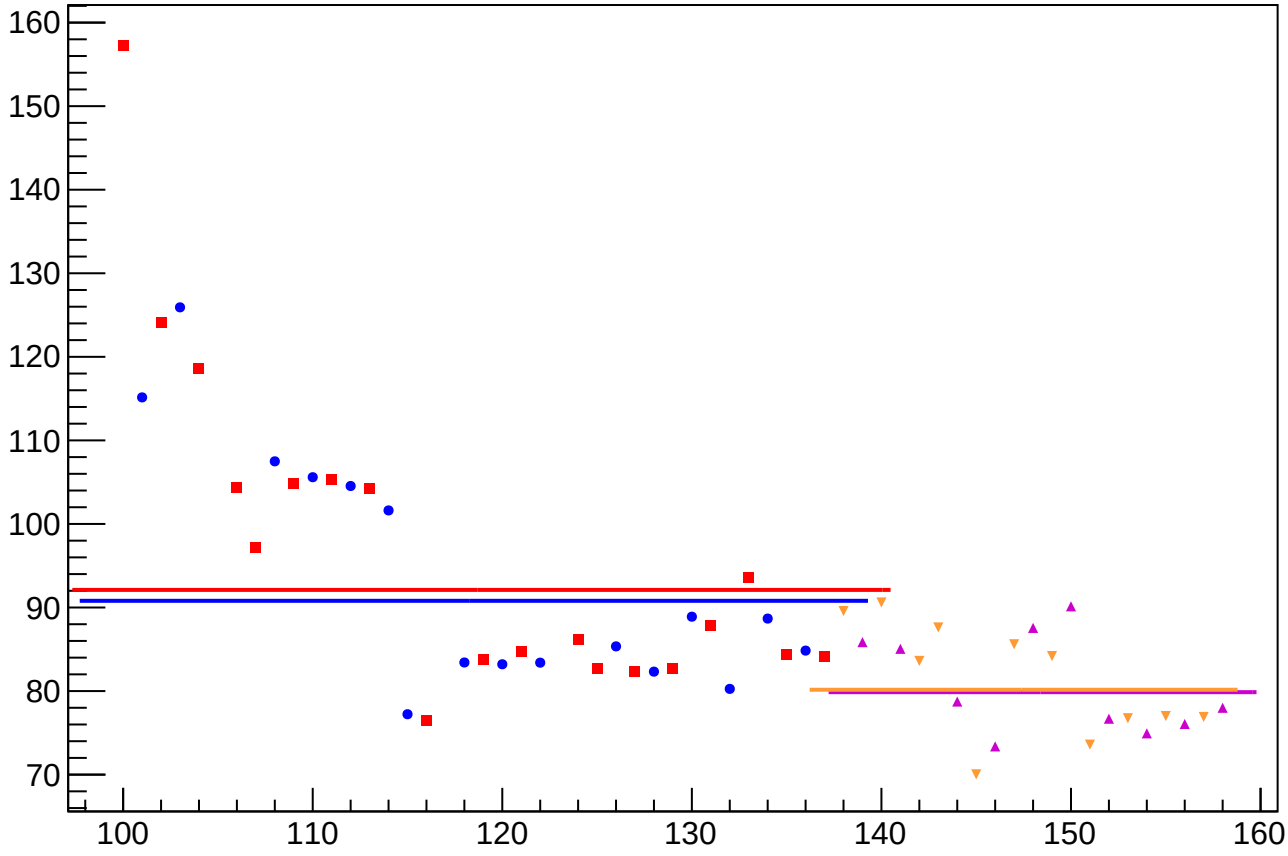
Left In: 20.718+/-27.151 χ^2/NDF:5.6/9

+ sign 72.956+/-21.342 χ^2/NDF: 41.4/26

All: 14.842+/-15.065 χ^2/NDF: 93.4/55

- sign -42.872+/-21.268 χ^2/NDF: 37.2/28

eigen_cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 80.158+/-0.019 χ^2/NDF:119470.9/10

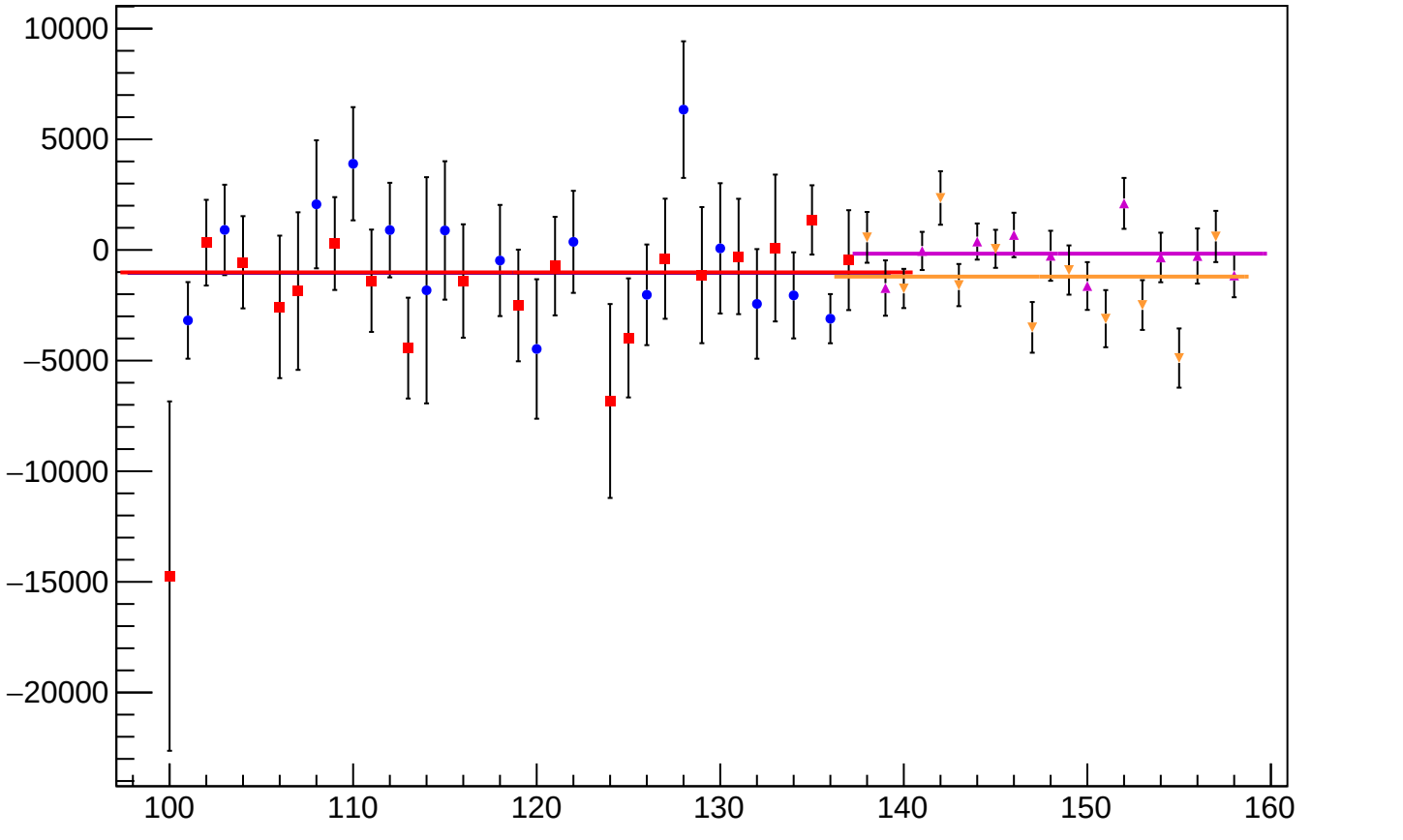
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 79.869+/-0.019 χ^2/NDF:81003.4/9

+ sign 84.310+/-0.015 χ^2/NDF: 510584.4/26

All: 84.454+/-0.011 χ^2/NDF: 1049580.4/55

- sign 84.598+/-0.015 χ^2/NDF: 538814.0/28



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -1205.055+/-325.533 χ^2/NDF:31.3/10

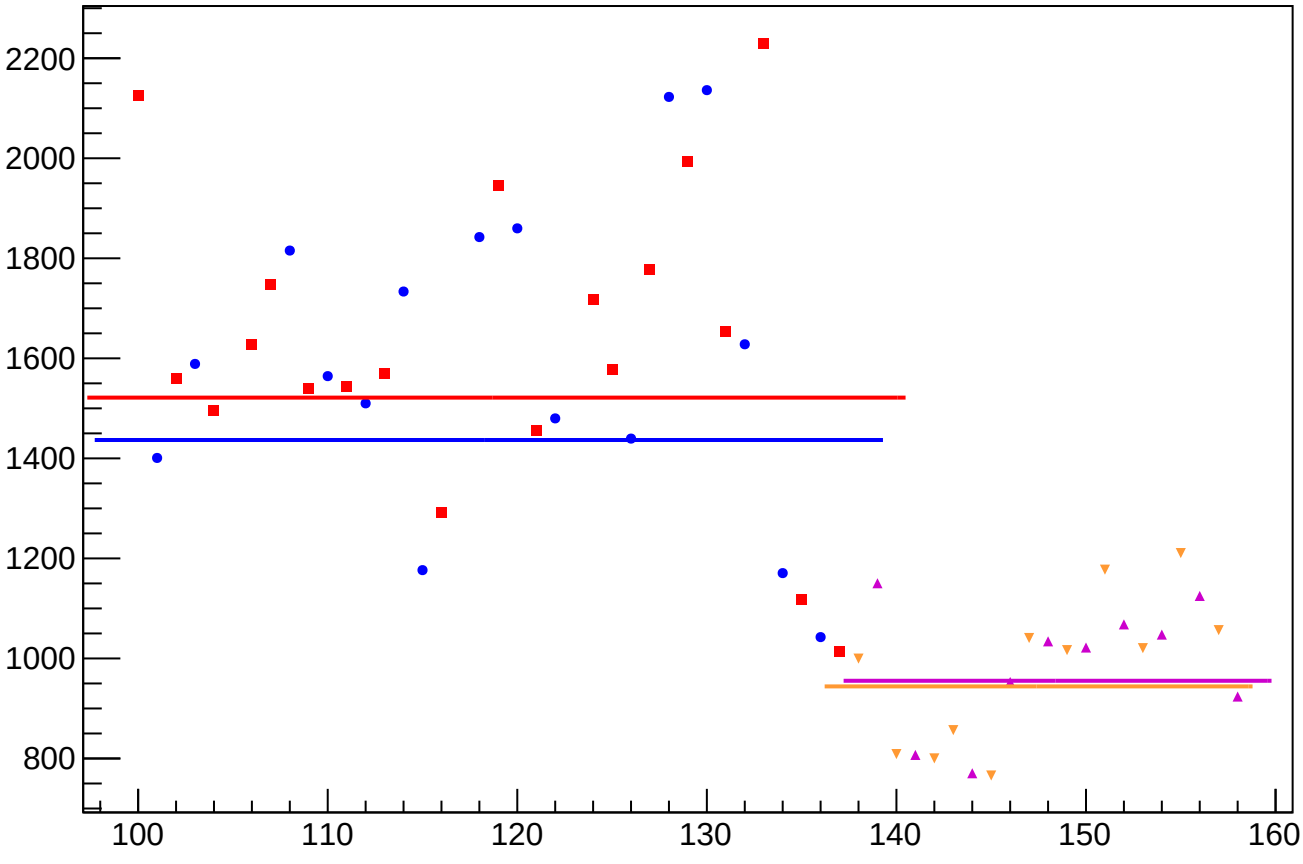
Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: -168.701+/-327.199 χ^2/NDF:9.5/9

+ sign -1160.964+/-280.169 χ^2/NDF: 51.6/26

All: -774.775+/-199.360 χ^2/NDF: 79.0/55

- sign -378.674+/-283.741 χ^2/NDF: 23.6/28



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 944.101+/-0.230 χ^2/NDF:378137.4/10

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

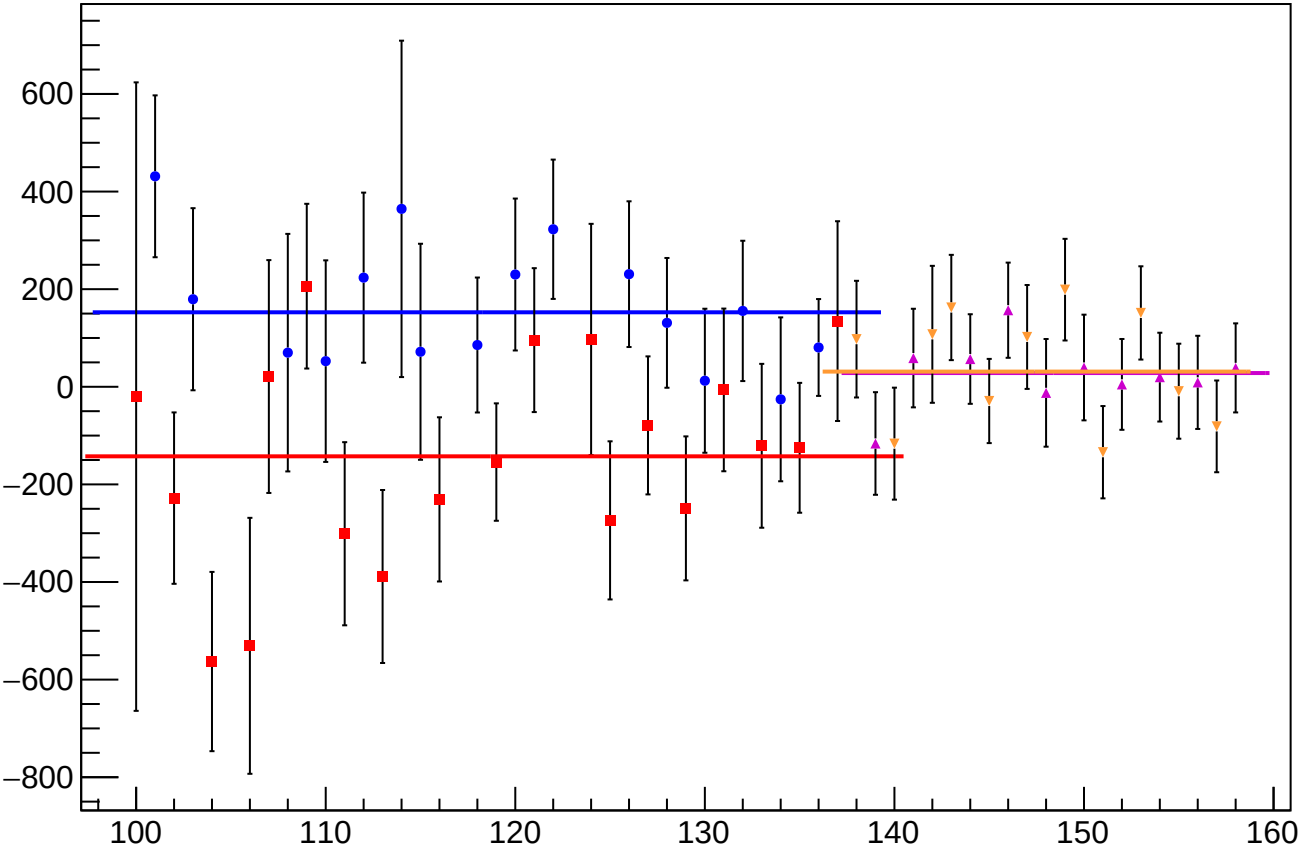
Left In: 955.375+/-0.231 χ^2/NDF:299462.1/9

+ sign 1071.837+/-0.198 χ^2/NDF: 2241435.9/26

All: 1083.652+/-0.141 χ^2/NDF: 4531260.8/55

- sign 1095.770+/-0.201 χ^2/NDF: 2282620.1/28

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 152.626+/-39.446 χ^2/NDF: 8.6/15

Left Out: 31.128+/-31.044 χ^2/NDF:13.5/10

Right Out: -142.496+/-39.340 χ^2/NDF: 22.9/18

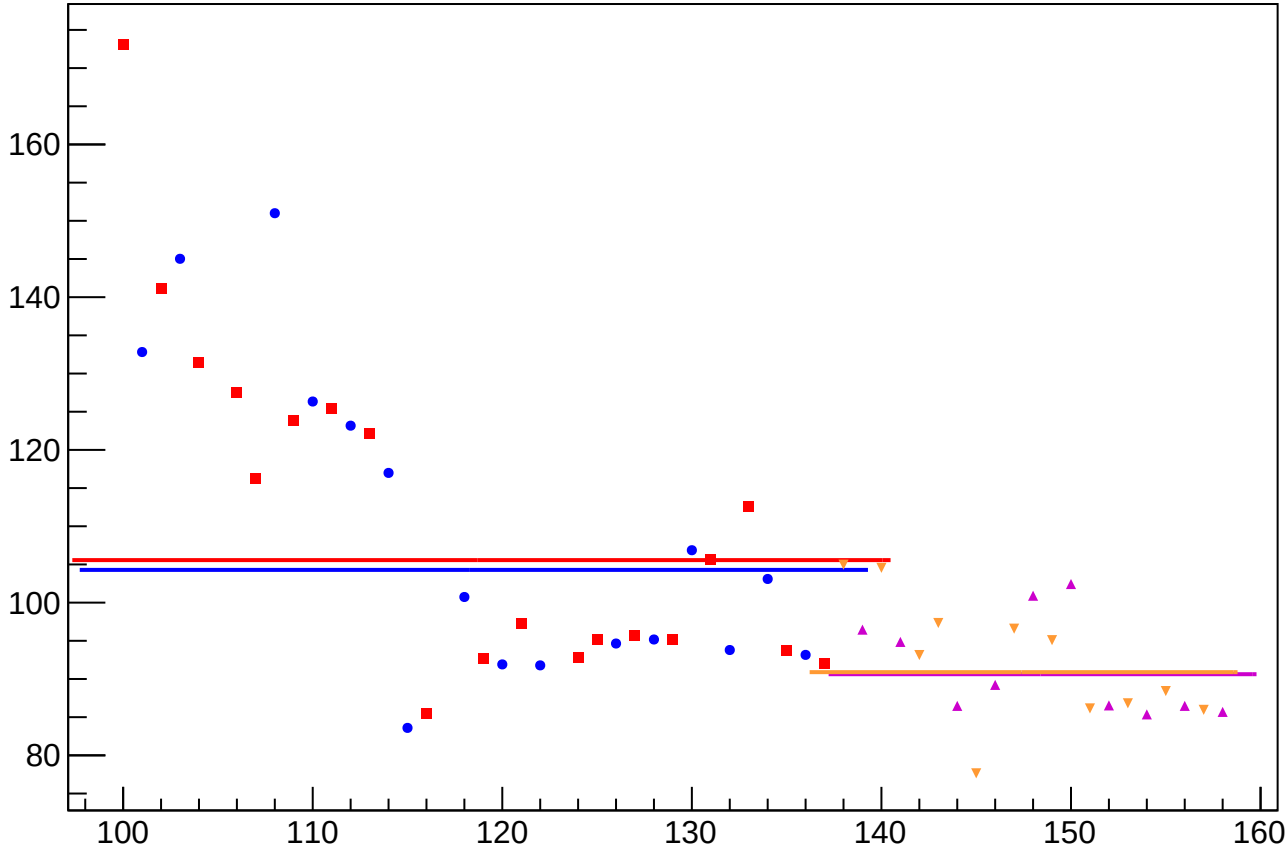
Left In: 28.157+/-30.920 χ^2/NDF:4.1/9

+ sign 77.597+/-24.395 χ^2/NDF: 28.0/26

All: 20.095+/-17.220 χ^2/NDF: 77.7/55

- sign -37.007+/-24.310 χ^2/NDF: 38.6/28

dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 90.896+/-0.022 χ^2/NDF:135371.8/10

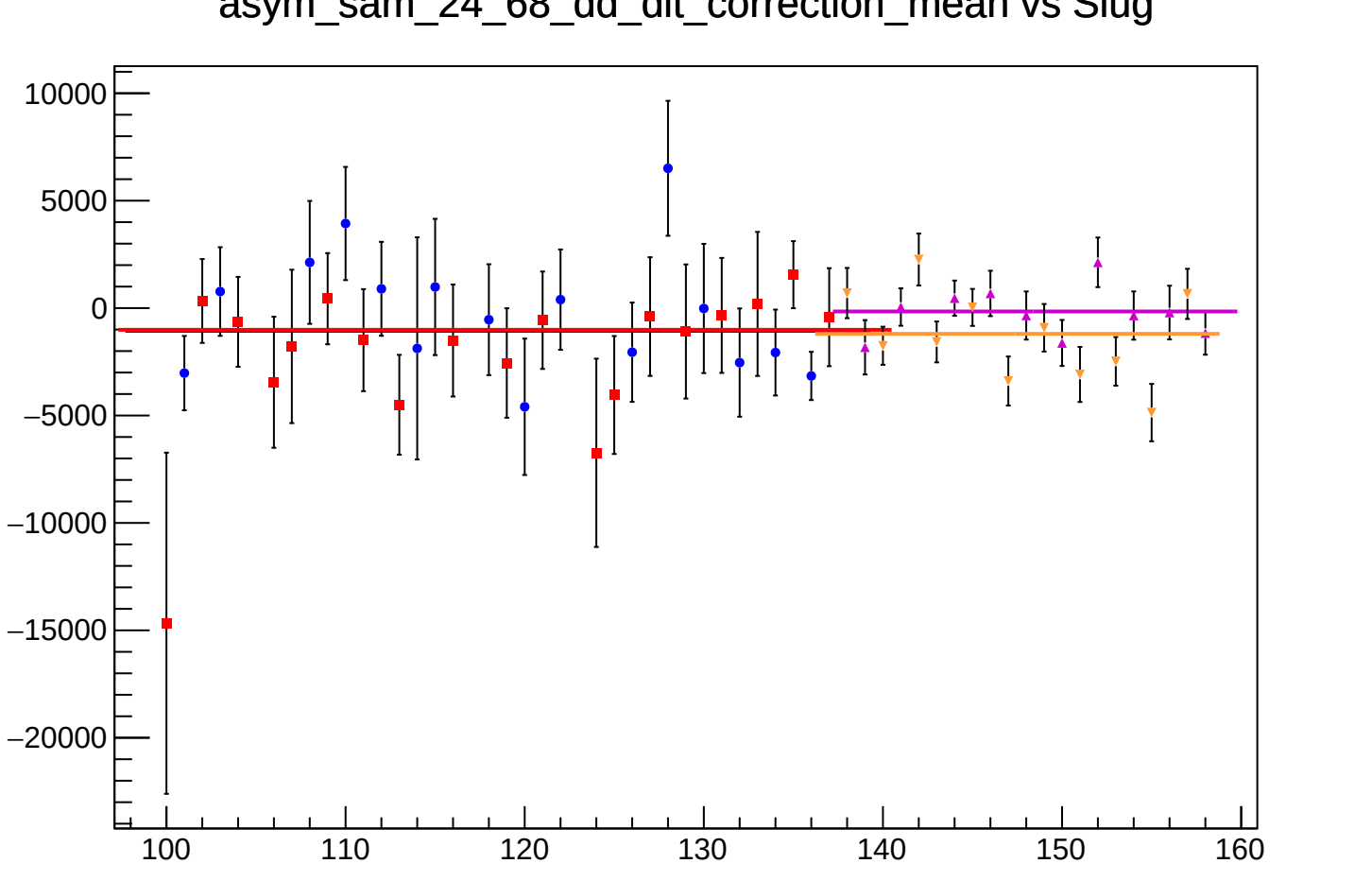
Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

Left In: 90.627+/-0.022 χ^2/NDF:75487.0/9

+ sign 96.017+/-0.017 χ^2/NDF: 656006.1/26

All: 96.175+/-0.012 χ^2/NDF: 1254602.7/55

- sign 96.332+/-0.017 χ^2/NDF: 598429.4/28



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -1199.571+/-325.852 χ^2/NDF:30.7/10

Right Out: -1009.907+/-575.100 χ^2/NDF: 13.3/18

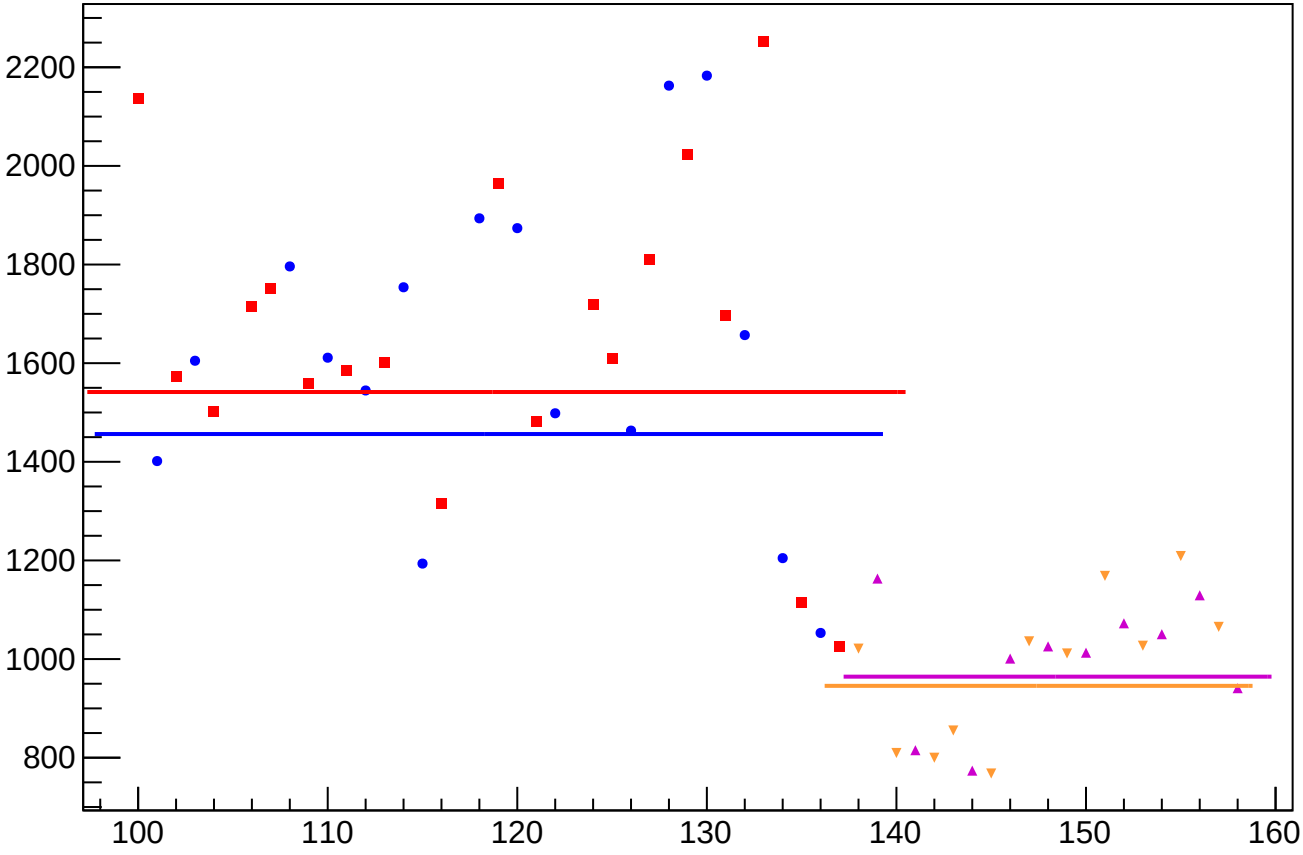
Left In: -156.992+/-330.106 χ^2/NDF:9.9/9

+ sign -1163.881+/-281.341 χ^2/NDF: 50.8/26

All: -773.065+/-200.667 χ^2/NDF: 79.6/55

- sign -368.364+/-286.295 χ^2/NDF: 24.8/28

asym_sam_24_68_dd_dit_correction_rms vs Slug



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 945.696+/-0.230 χ^2/NDF:377457.8/10

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

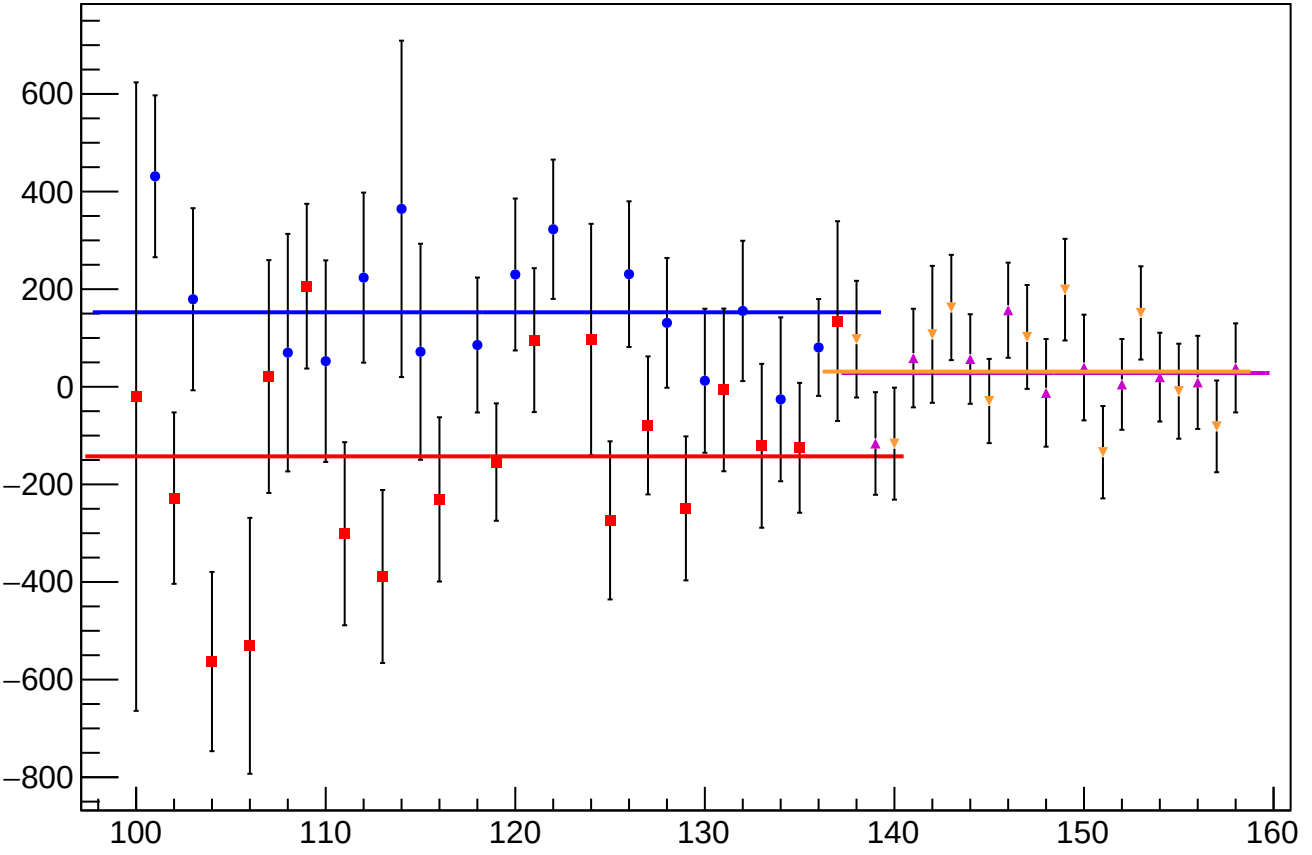
Left In: 964.345+/-0.233 χ^2/NDF:293990.5/9

+ sign 1075.664+/-0.199 χ^2/NDF: 2312279.5/26

All: 1091.247+/-0.142 χ^2/NDF: 4653338.8/55

- sign 1107.383+/-0.202 χ^2/NDF: 2328570.8/28

eigen_dit_asym_sam_24_68_dd_mean vs Slug



Right In: 152.628+/-39.446 χ^2/NDF: 8.6/15

Left Out: 31.128+/-31.044 χ^2/NDF:13.5/10

Right Out: -142.494+/-39.340 χ^2/NDF: 22.9/18

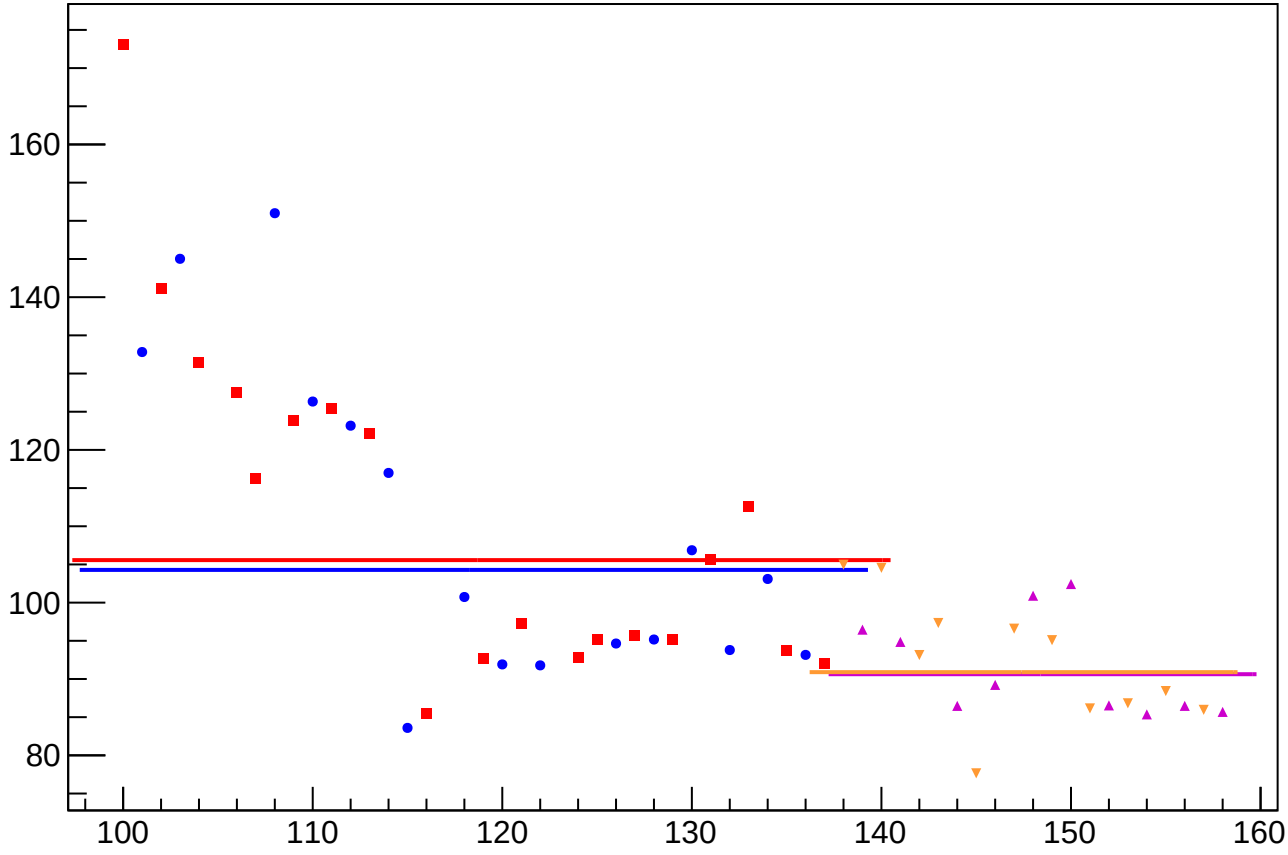
Left In: 28.157+/-30.920 χ^2/NDF:4.1/9

+ sign 77.598+/-24.395 χ^2/NDF: 28.0/26

All: 20.096+/-17.220 χ^2/NDF: 77.7/55

- sign -37.007+/-24.310 χ^2/NDF: 38.6/28

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 90.896+/-0.022 χ^2/NDF:135367.7/10

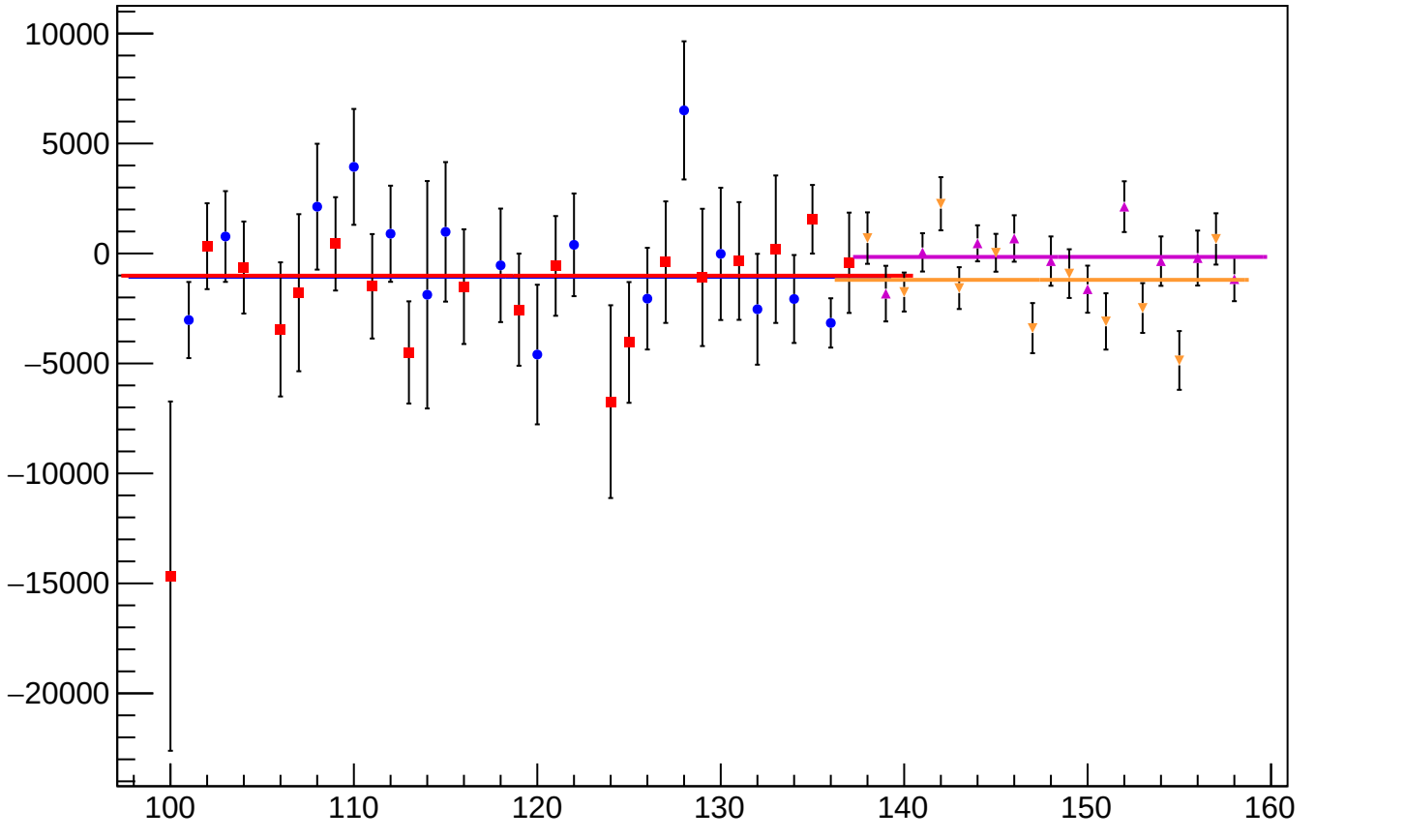
Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 90.627+/-0.022 χ^2/NDF:75485.1/9

+ sign 96.017+/-0.017 χ^2/NDF: 655980.1/26

All: 96.175+/-0.012 χ^2/NDF: 1254557.1/55

- sign 96.332+/-0.017 χ^2/NDF: 598409.7/28



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: -1199.570+/-325.852 χ^2/NDF:30.7/10

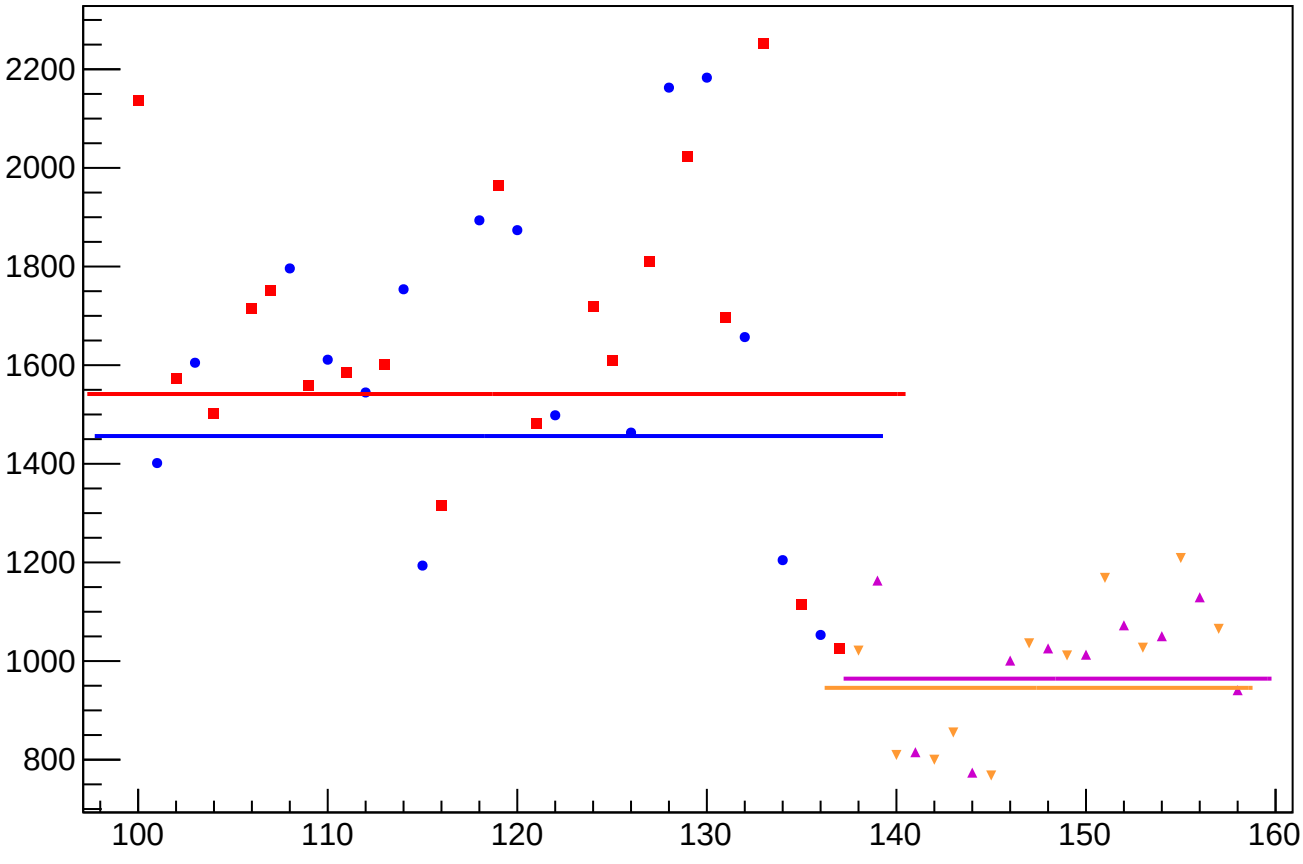
Right Out: -1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: -156.992+/-330.106 χ^2/NDF:9.9/9

+ sign -1163.880+/-281.341 χ^2/NDF: 50.8/26

All: -773.064+/-200.667 χ^2/NDF: 79.6/55

- sign -368.364+/-286.295 χ^2/NDF: 24.8/28



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 945.695+/-0.230 χ^2/NDF:377460.8/10

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

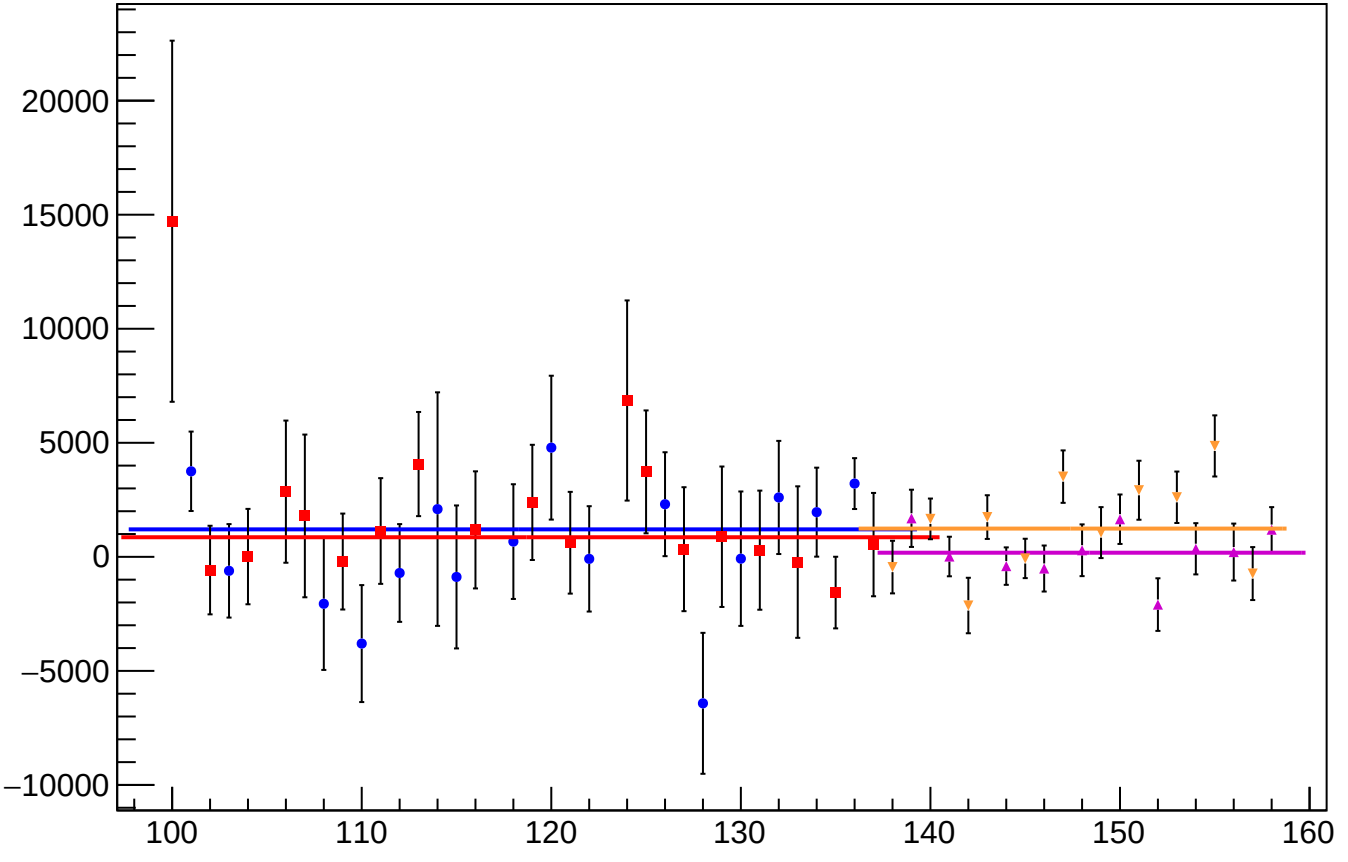
Left In: 964.344+/-0.233 χ^2/NDF:293991.5/9

+ sign 1075.663+/-0.199 χ^2/NDF: 2312275.3/26

All: 1091.245+/-0.142 χ^2/NDF: 4653329.2/55

- sign 1107.382+/-0.202 χ^2/NDF: 2328565.3/28

asym_sam_24_68_dd_mean vs Slug



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 1238.918+/-326.886 χ^2/NDF:30.0/10

Right Out: 859.290+/-570.391 χ^2/NDF: 12.5/18

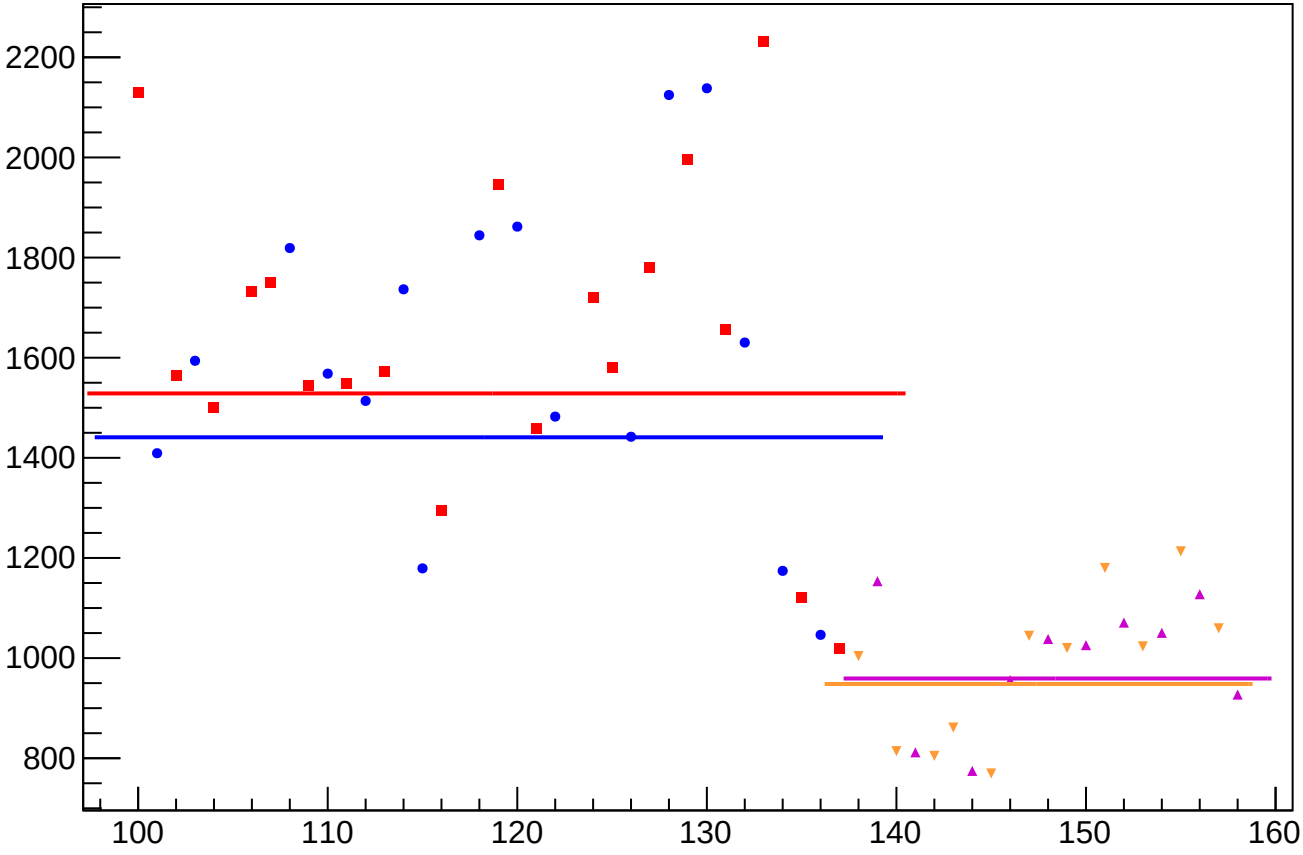
Left In: 180.857+/-328.465 χ^2/NDF:9.3/9

+ sign 1230.025+/-281.231 χ^2/NDF: 51.1/26

All: 795.222+/-200.056 χ^2/NDF: 78.8/55

- sign 349.808+/-284.643 χ^2/NDF: 22.8/28

asym_sam_24_68_dd_rms vs Slug



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 948.258+/-0.231 χ^2/NDF:372050.2/10

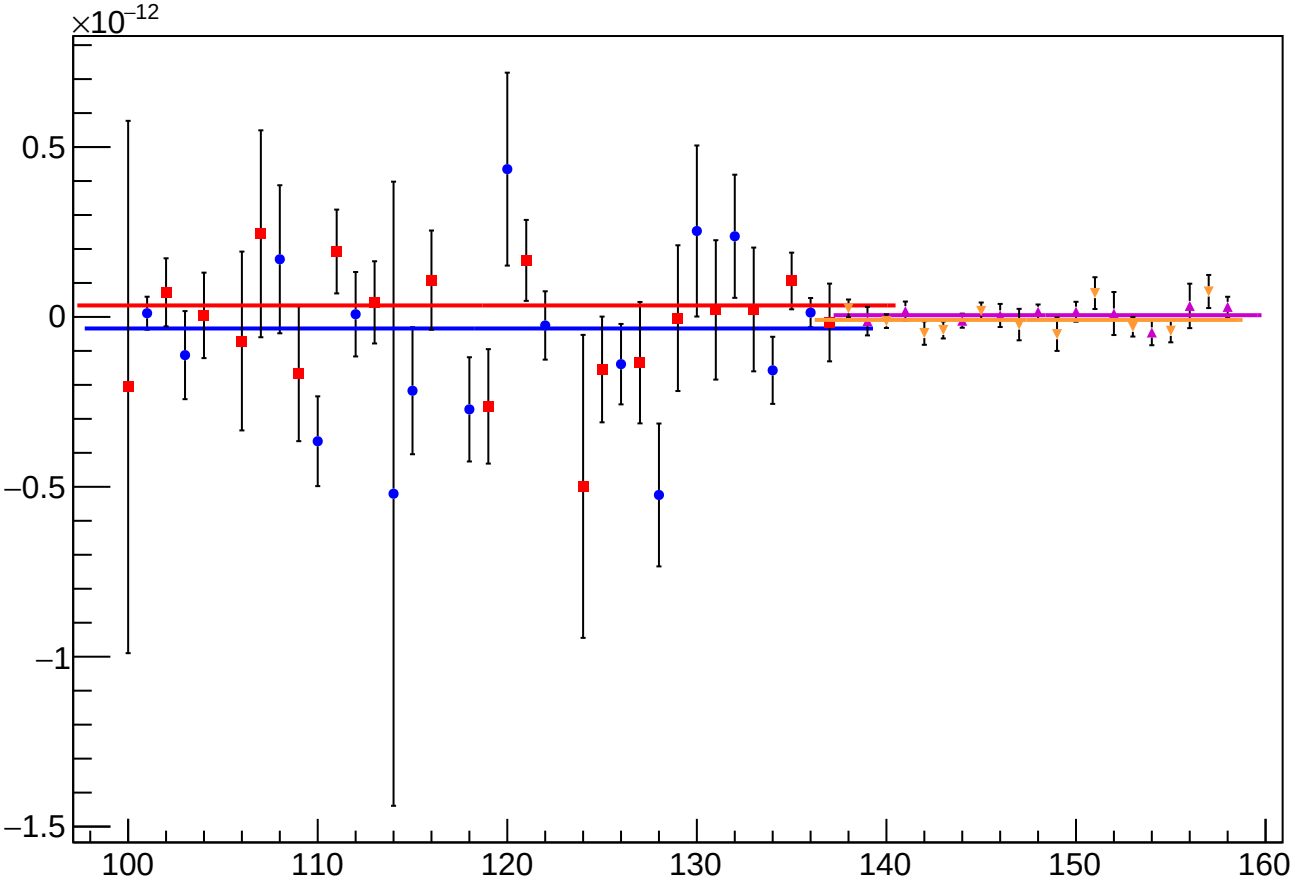
Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 959.242+/-0.232 χ^2/NDF:294570.2/9

+ sign 1076.290+/-0.199 χ^2/NDF: 2223579.8/26

All: 1088.517+/-0.141 χ^2/NDF: 4524292.2/55

- sign 1101.043+/-0.201 χ^2/NDF: 2293059.1/28



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.5/10

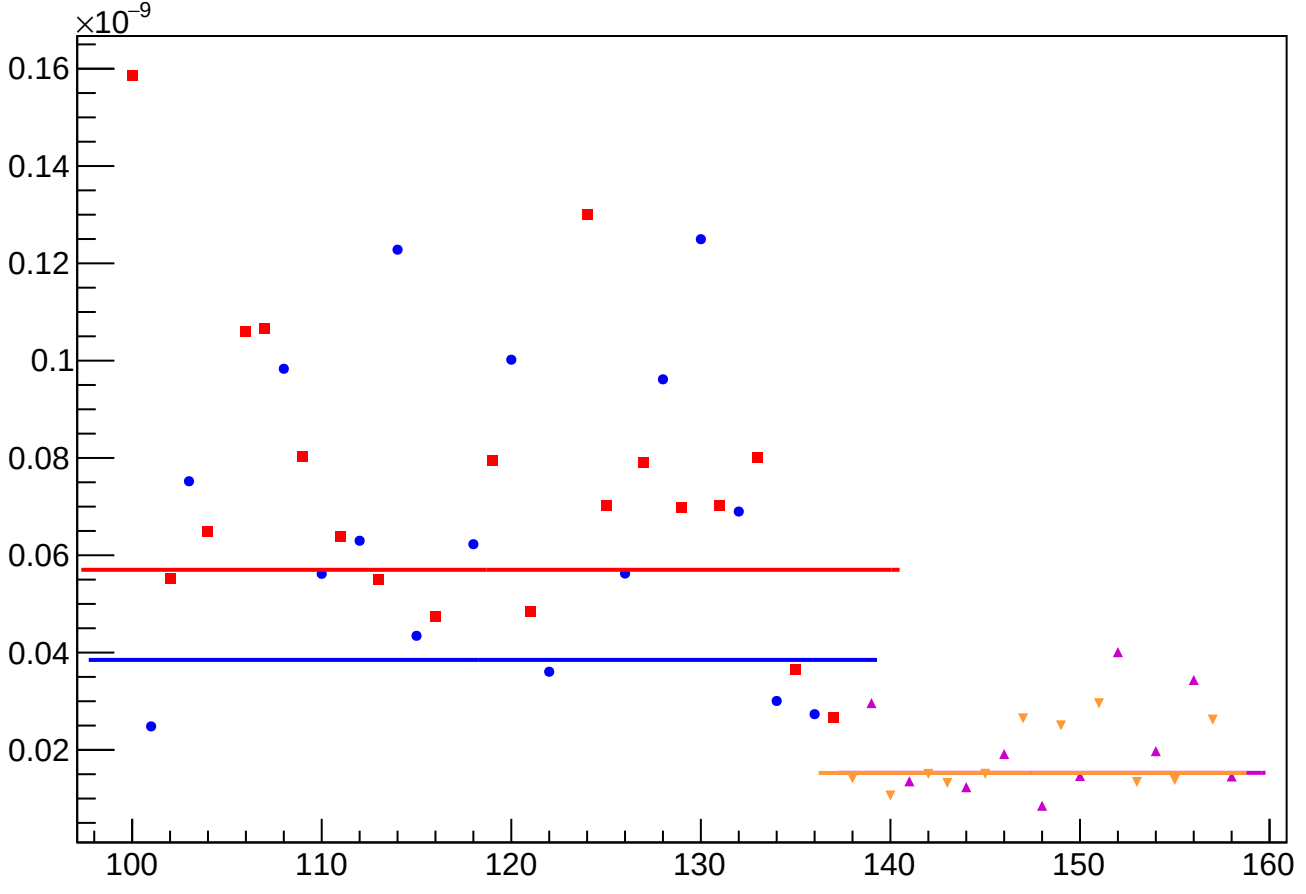
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:4.0/9

+ sign -0.000+/-0.000 χ^2/NDF: 41.8/26

All: -0.000+/-0.000 χ^2/NDF: 61.7/55

- sign 0.000+/-0.000 χ^2/NDF: 17.6/28



Right In: 0.000+/-0.000 χ^2/NDF: 1382311.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:620000.2/10

Right Out: 0.000+/-0.000 χ^2/NDF: 660994.1/18

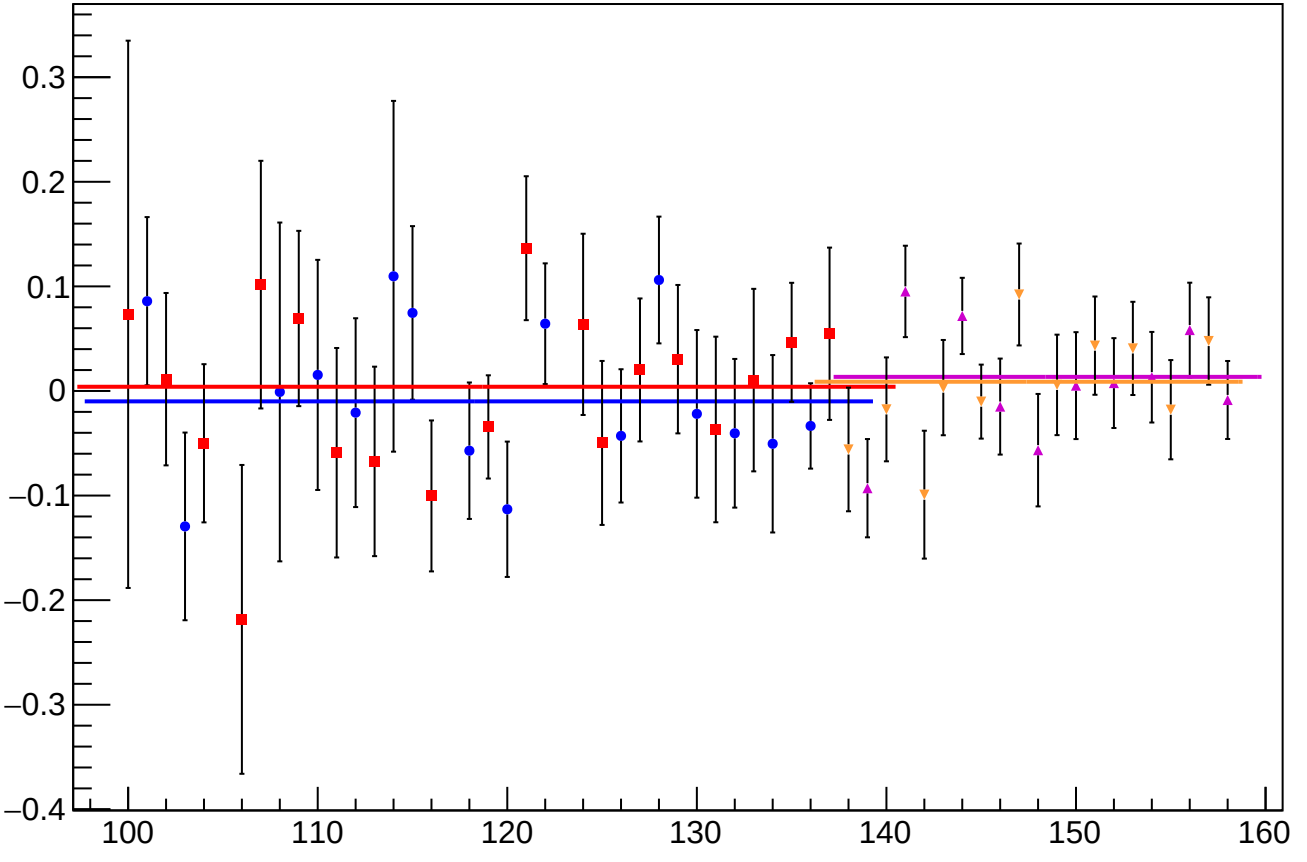
Left In: 0.000+/-0.000 χ^2/NDF:1013013.8/9

+ sign 0.000+/-0.000 χ^2/NDF: 3517930.9/26

All: 0.000+/-0.000 χ^2/NDF: 8011923.1/55

- sign 0.000+/-0.000 χ^2/NDF: 4491729.2/28

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.009+/-0.014 χ^2/NDF:10.1/10

Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

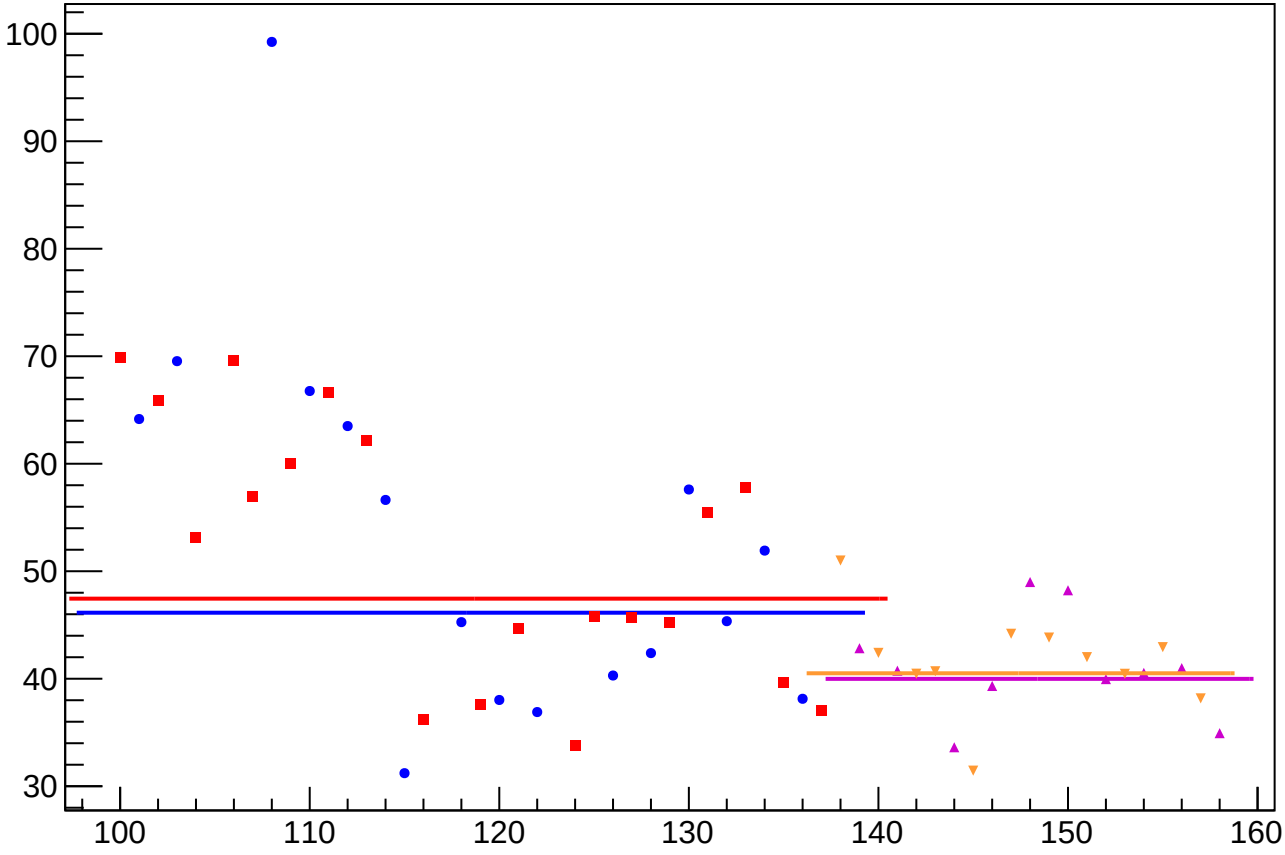
Left In: 0.013+/-0.014 χ^2/NDF:14.6/9

+ sign 0.002+/-0.011 χ^2/NDF: 25.0/26

All: 0.006+/-0.008 χ^2/NDF: 53.9/55

- sign 0.010+/-0.011 χ^2/NDF: 28.7/28

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 40.507+/-0.010 χ^2/NDF:231478.8/10

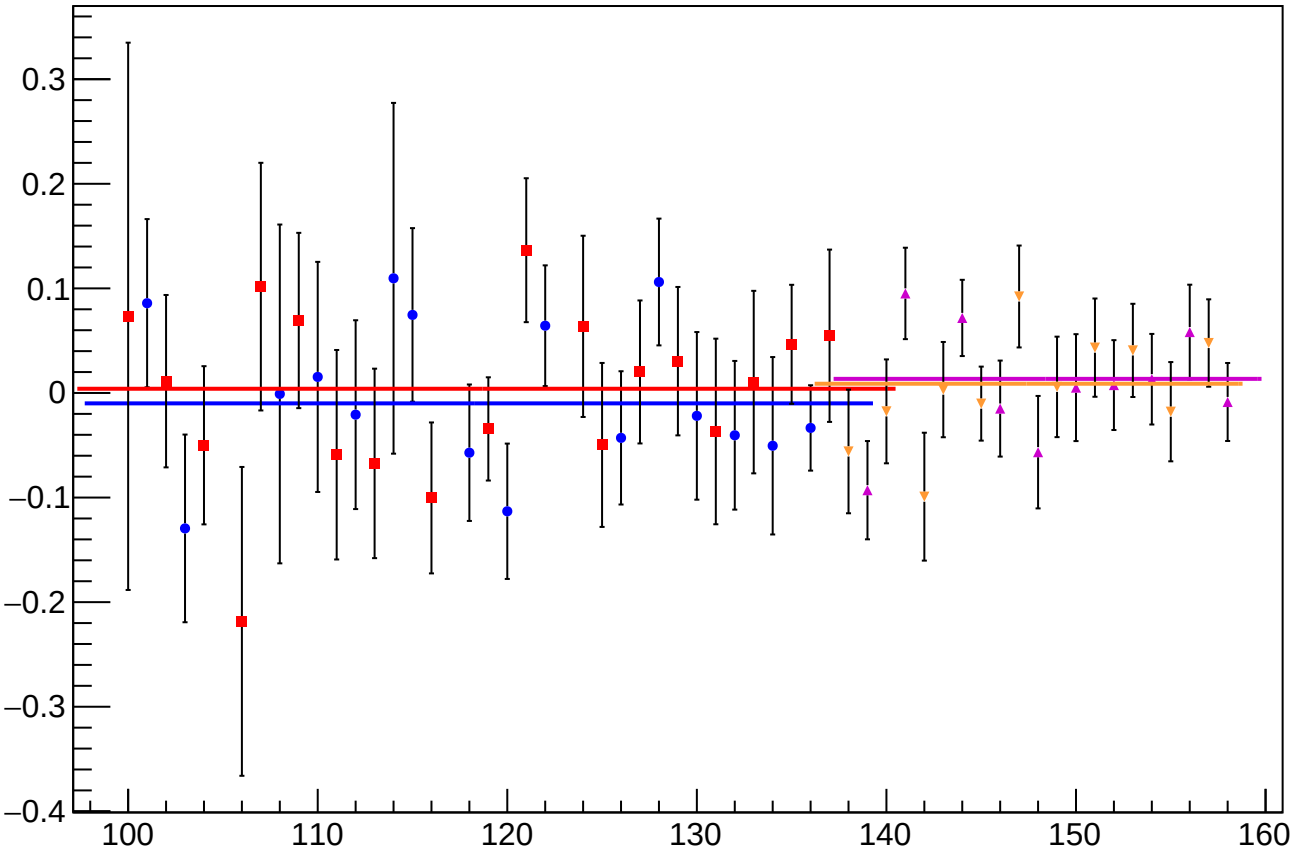
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 39.988+/-0.010 χ^2/NDF:215495.8/9

+ sign 42.641+/-0.008 χ^2/NDF: 1256608.8/26

All: 42.693+/-0.006 χ^2/NDF: 2341412.3/55

- sign 42.744+/-0.008 χ^2/NDF: 1084715.4/28



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.009+/-0.014 χ^2/NDF:10.1/10

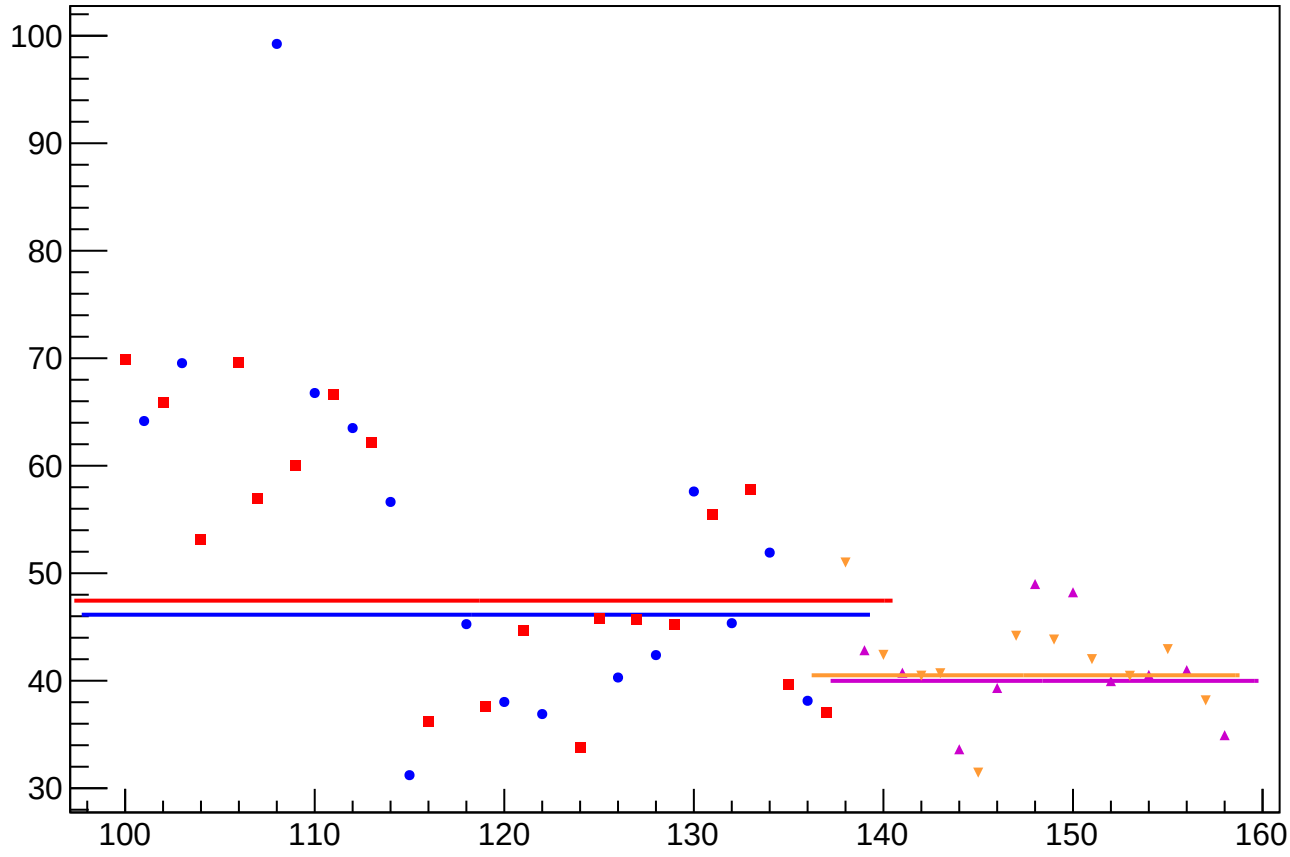
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.013+/-0.014 χ^2/NDF:14.6/9

+ sign 0.002+/-0.011 χ^2/NDF: 25.0/26

All: 0.006+/-0.008 χ^2/NDF: 53.9/55

- sign 0.010+/-0.011 χ^2/NDF: 28.7/28



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 40.507+/-0.010 χ^2/NDF:231478.8/10

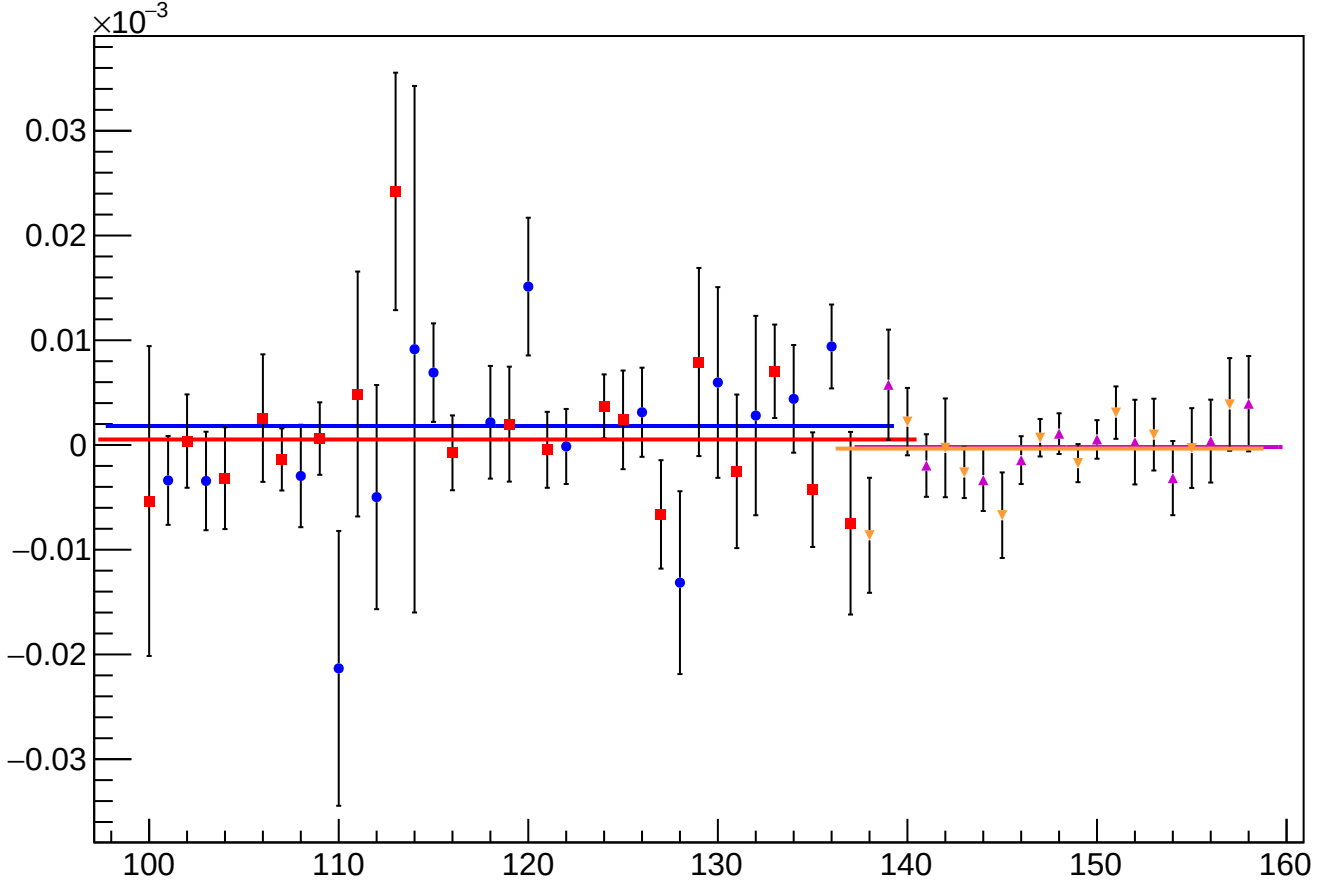
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 39.988+/-0.010 χ^2/NDF:215495.8/9

+ sign 42.641+/-0.008 χ^2/NDF: 1256608.8/26

All: 42.693+/-0.006 χ^2/NDF: 2341412.3/55

- sign 42.744+/-0.008 χ^2/NDF: 1084715.4/28



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.1/10

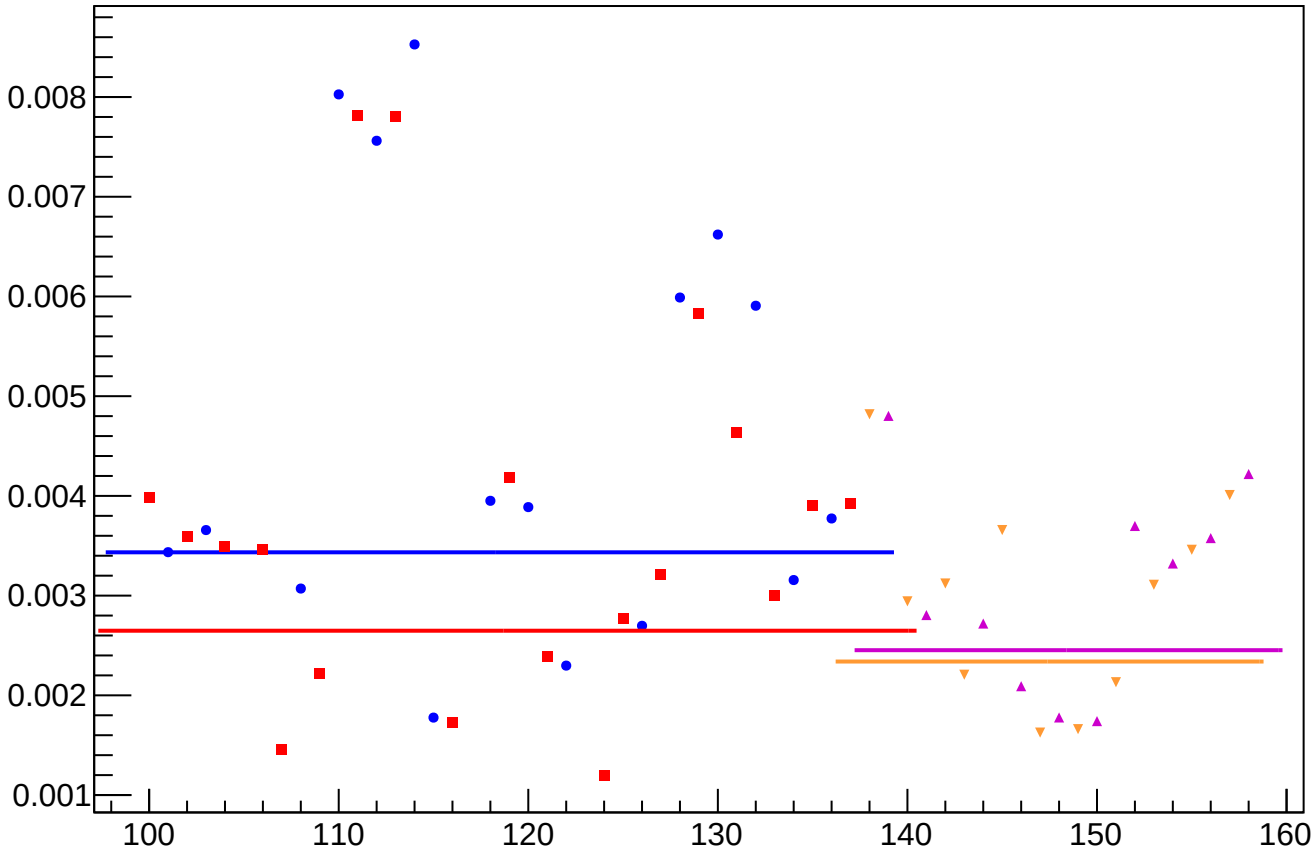
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:5.2/9

+ sign 0.000+/-0.000 χ^2/NDF: 31.8/26

All: 0.000+/-0.000 χ^2/NDF: 51.1/55

- sign 0.000+/-0.000 χ^2/NDF: 19.3/28



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1915685.4/10

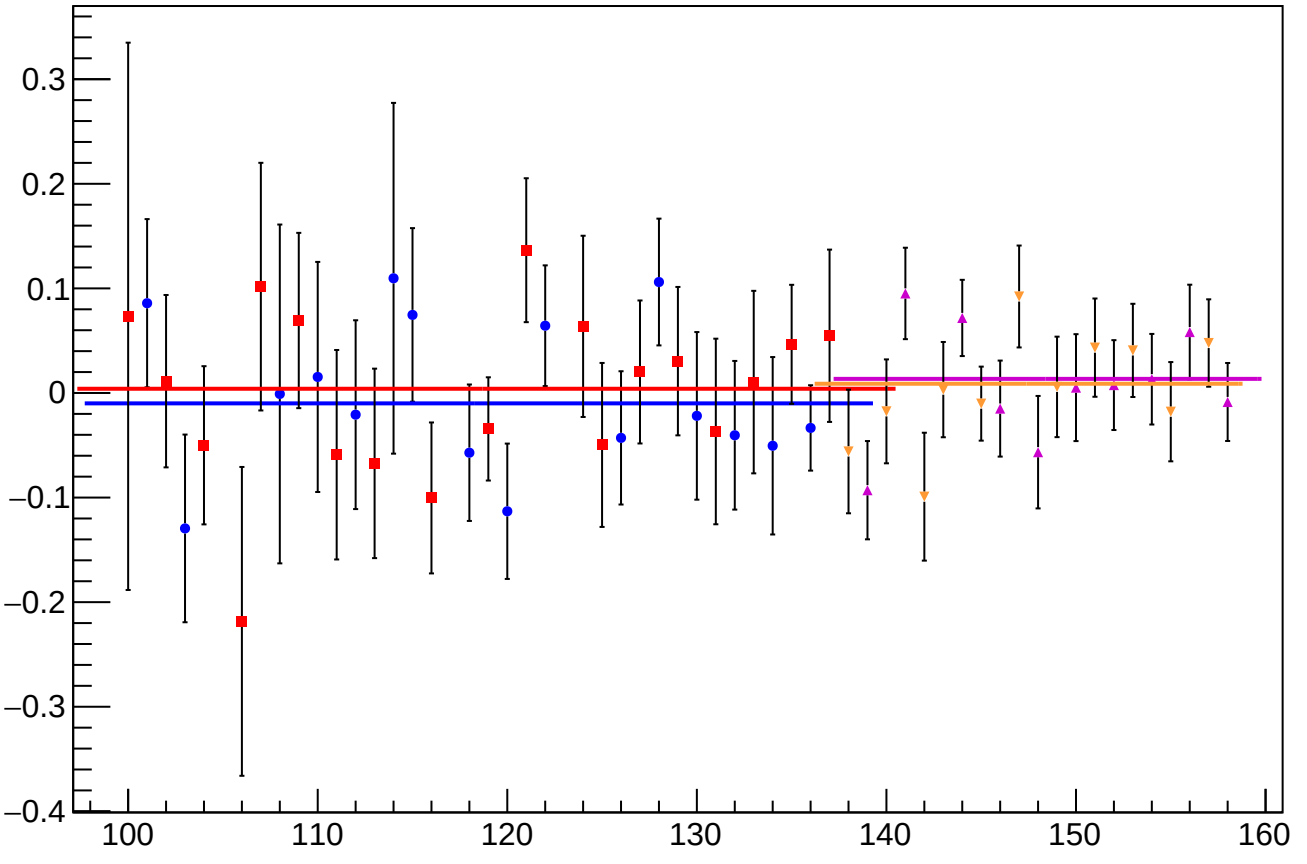
Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.002+/-0.000 χ^2/NDF:1805714.0/9

+ sign 0.003+/-0.000 χ^2/NDF: 4584524.6/26

All: 0.003+/-0.000 χ^2/NDF: 9151055.0/55

- sign 0.003+/-0.000 χ^2/NDF: 4541159.1/28



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.009+/-0.014 χ^2/NDF:10.1/10

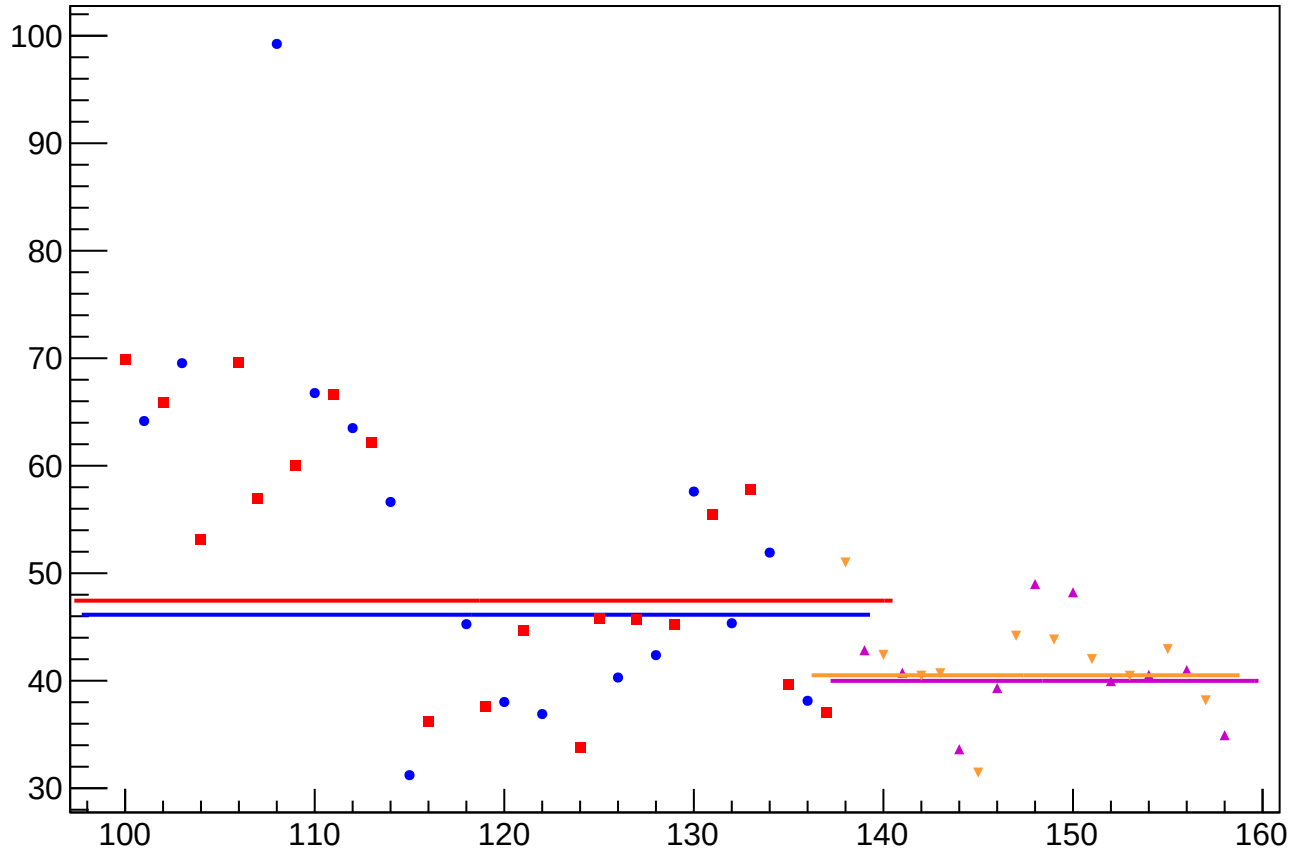
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.013+/-0.014 χ^2/NDF:14.6/9

+ sign 0.002+/-0.011 χ^2/NDF: 25.0/26

All: 0.006+/-0.008 χ^2/NDF: 53.9/55

- sign 0.010+/-0.011 χ^2/NDF: 28.7/28



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 40.508+/-0.010 χ^2/NDF:231474.9/10

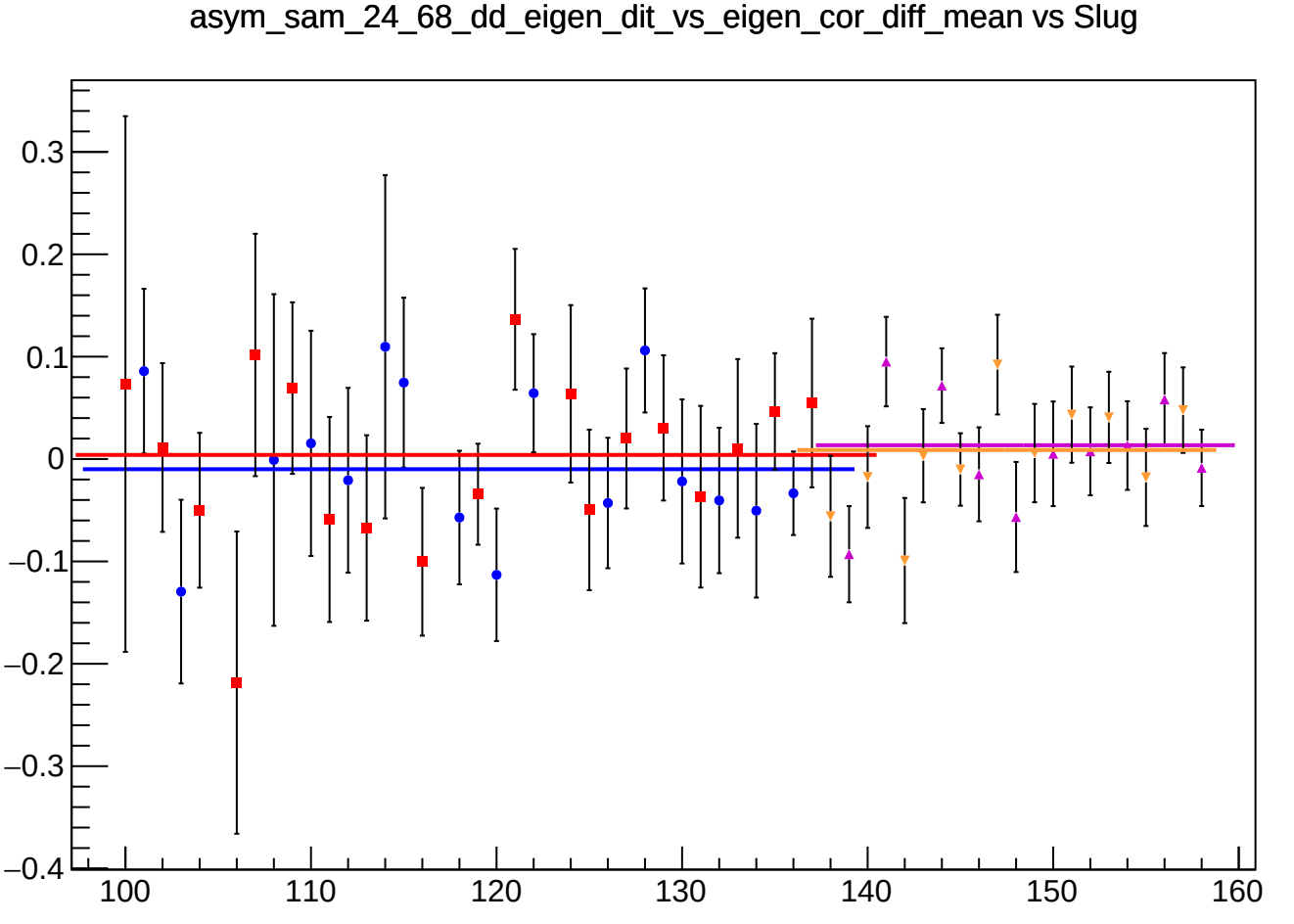
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 39.988+/-0.010 χ^2/NDF:215518.6/9

+ sign 42.640+/-0.008 χ^2/NDF: 1256493.8/26

All: 42.692+/-0.006 χ^2/NDF: 2341254.3/55

- sign 42.744+/-0.008 χ^2/NDF: 1084672.6/28



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.009+/-0.014 χ^2/NDF:10.1/10

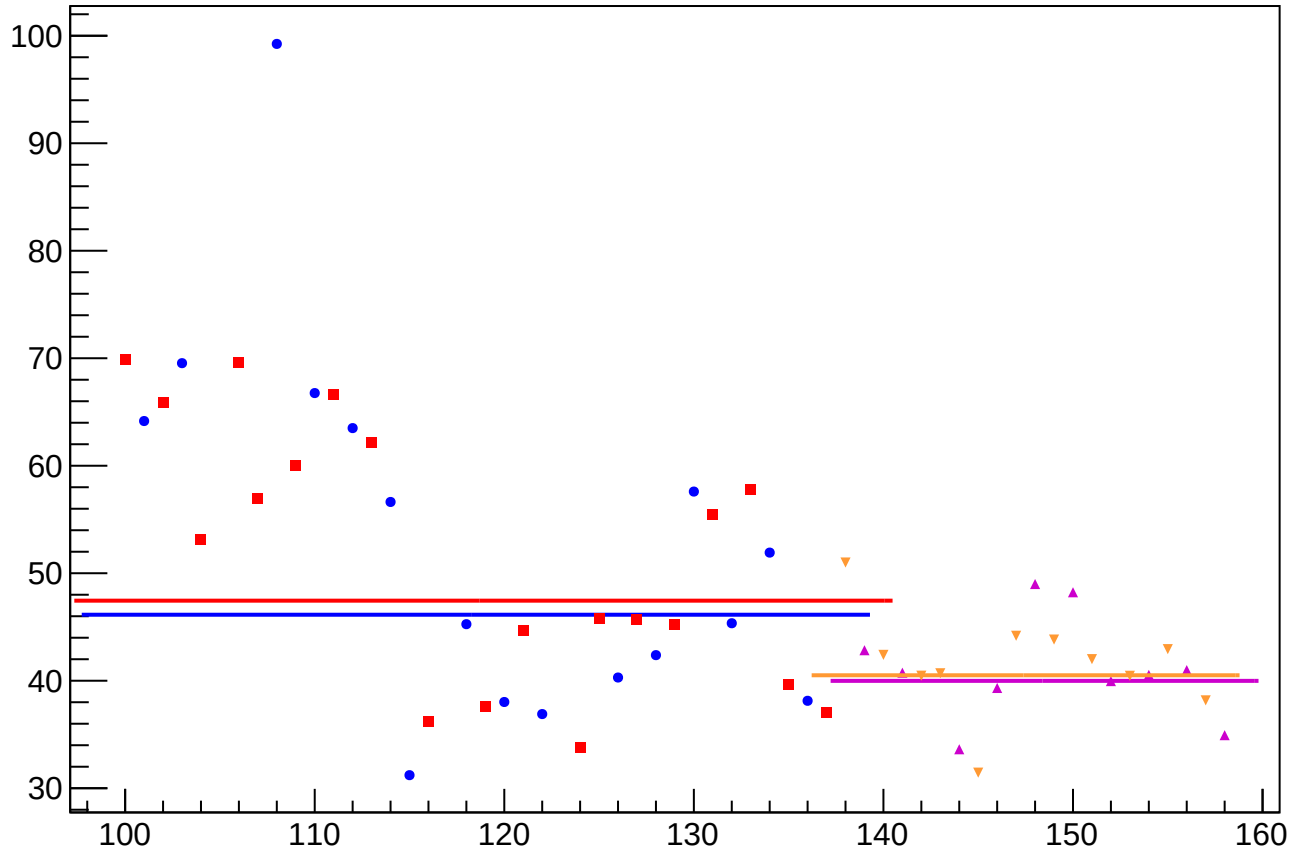
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.013+/-0.014 χ^2/NDF:14.6/9

+ sign 0.002+/-0.011 χ^2/NDF: 25.0/26

All: 0.006+/-0.008 χ^2/NDF: 53.9/55

- sign 0.010+/-0.011 χ^2/NDF: 28.7/28



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 40.508+/-0.010 χ^2/NDF:231474.9/10

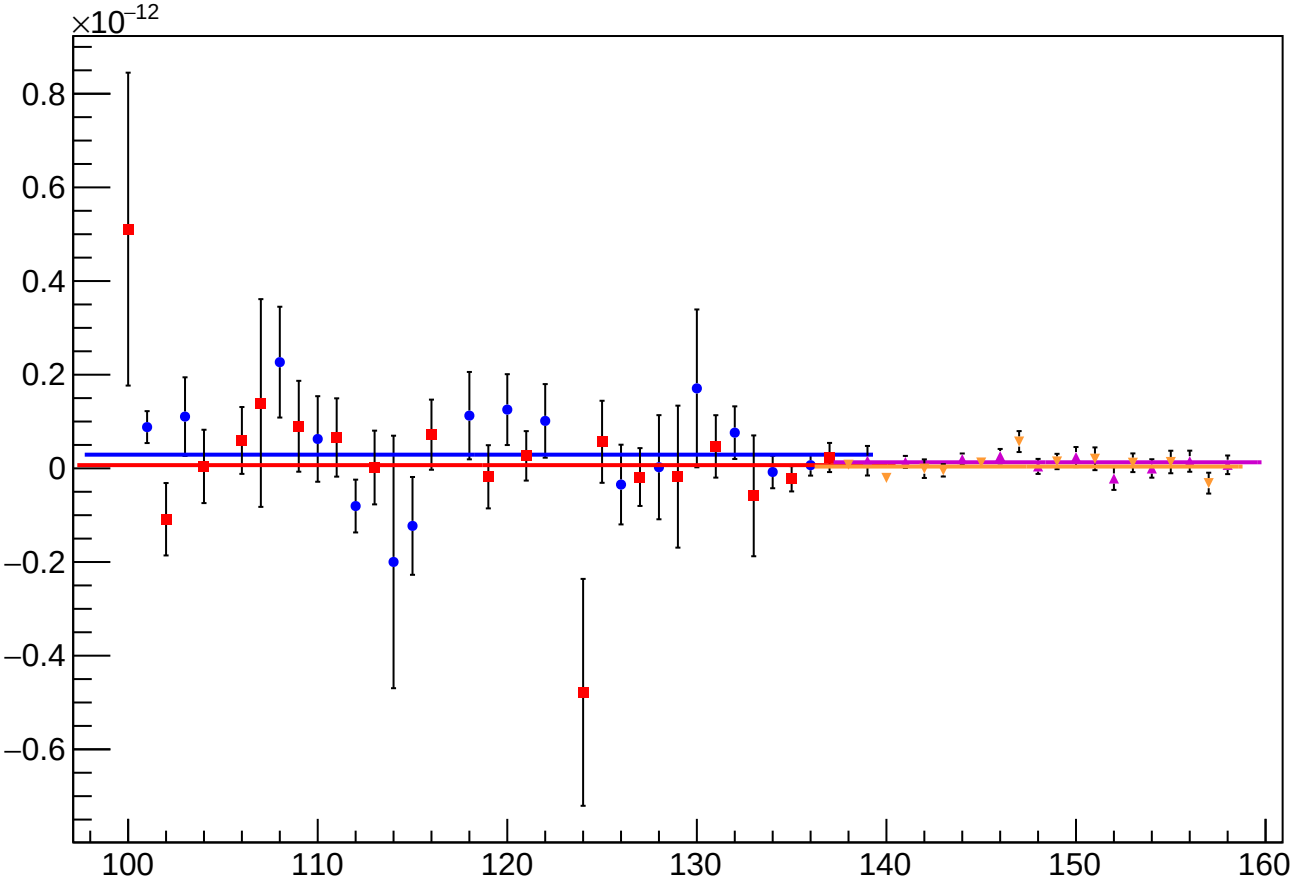
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 39.988+/-0.010 χ^2/NDF:215518.6/9

+ sign 42.640+/-0.008 χ^2/NDF: 1256493.8/26

All: 42.692+/-0.006 χ^2/NDF: 2341254.3/55

- sign 42.744+/-0.008 χ^2/NDF: 1084672.6/28



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.1/10

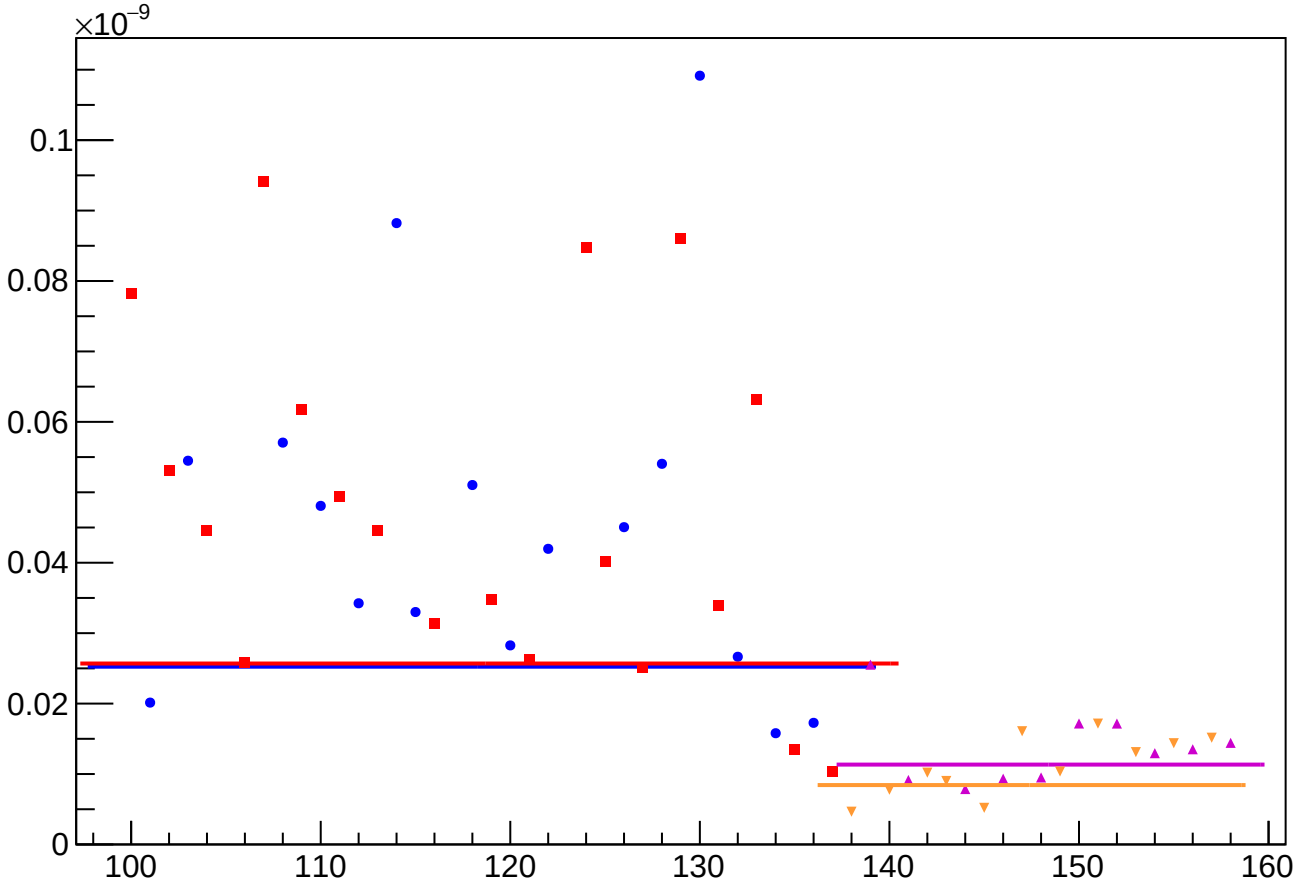
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:4.2/9

+ sign 0.000+/-0.000 χ^2/NDF: 40.2/26

All: 0.000+/-0.000 χ^2/NDF: 59.6/55

- sign 0.000+/-0.000 χ^2/NDF: 18.6/28



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1488119.8/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

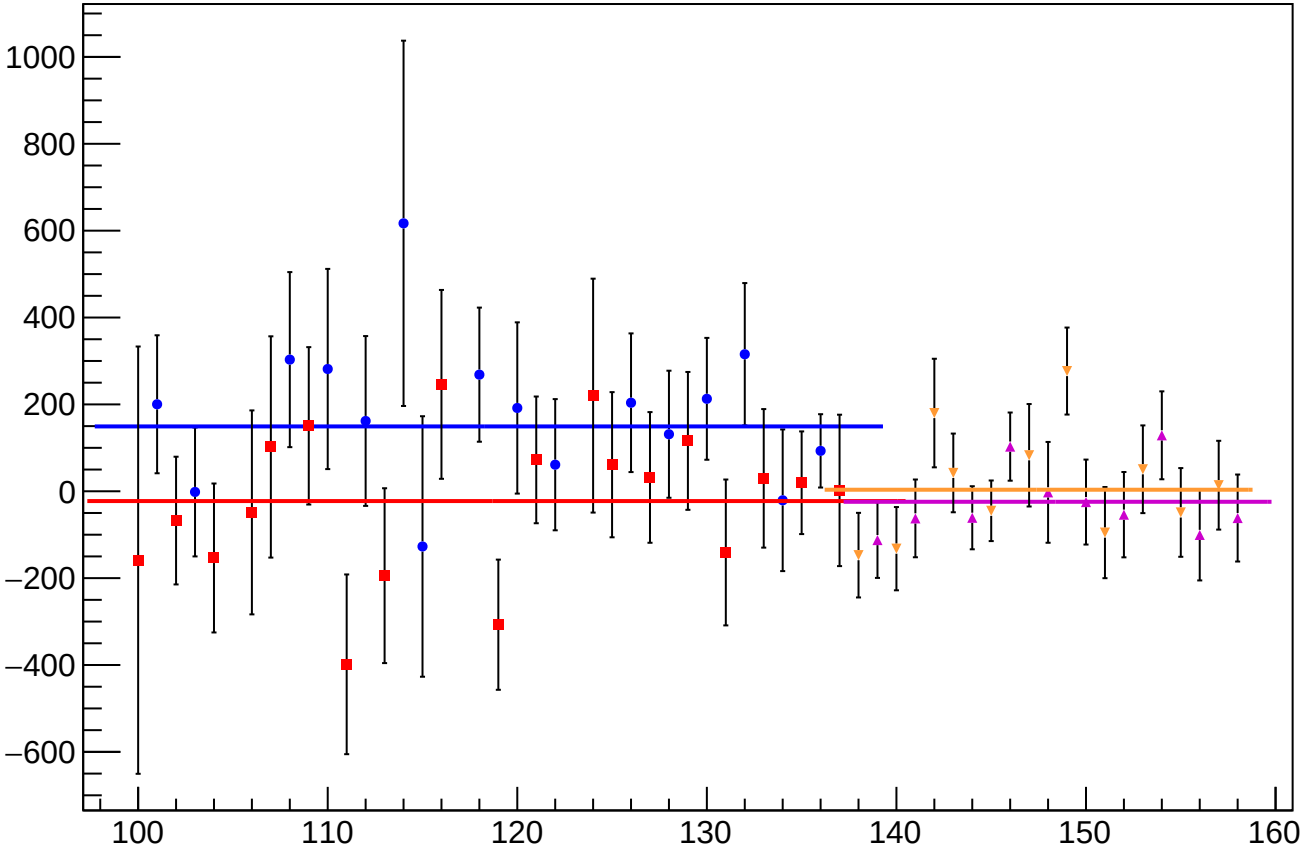
Left In: 0.000+/-0.000 χ^2/NDF:1034321.3/9

+ sign 0.000+/-0.000 χ^2/NDF: 6405340.5/26

All: 0.000+/-0.000 χ^2/NDF: 12430441.1/55

- sign 0.000+/-0.000 χ^2/NDF: 5571258.0/28

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: 3.540+/-29.392 χ^2/NDF:16.3/10

Right Out: -22.549+/-40.100 χ^2/NDF: 14.2/18

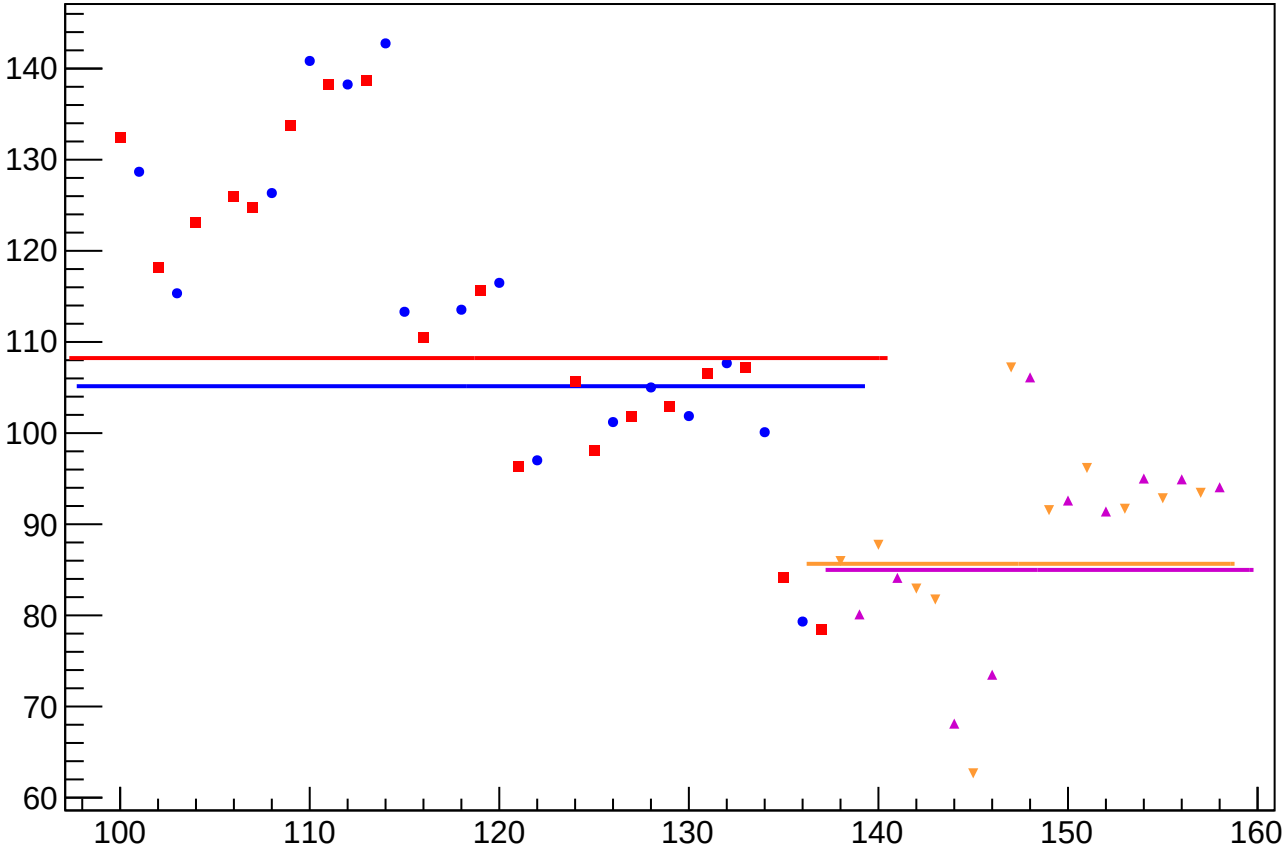
Left In: -24.205+/-29.120 χ^2/NDF:7.2/9

+ sign 55.171+/-23.620 χ^2/NDF: 33.1/26

All: 15.673+/-16.682 χ^2/NDF: 60.0/55

- sign -23.633+/-23.563 χ^2/NDF: 21.4/28

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 85.658+/-0.021 χ^2/NDF:345285.7/10

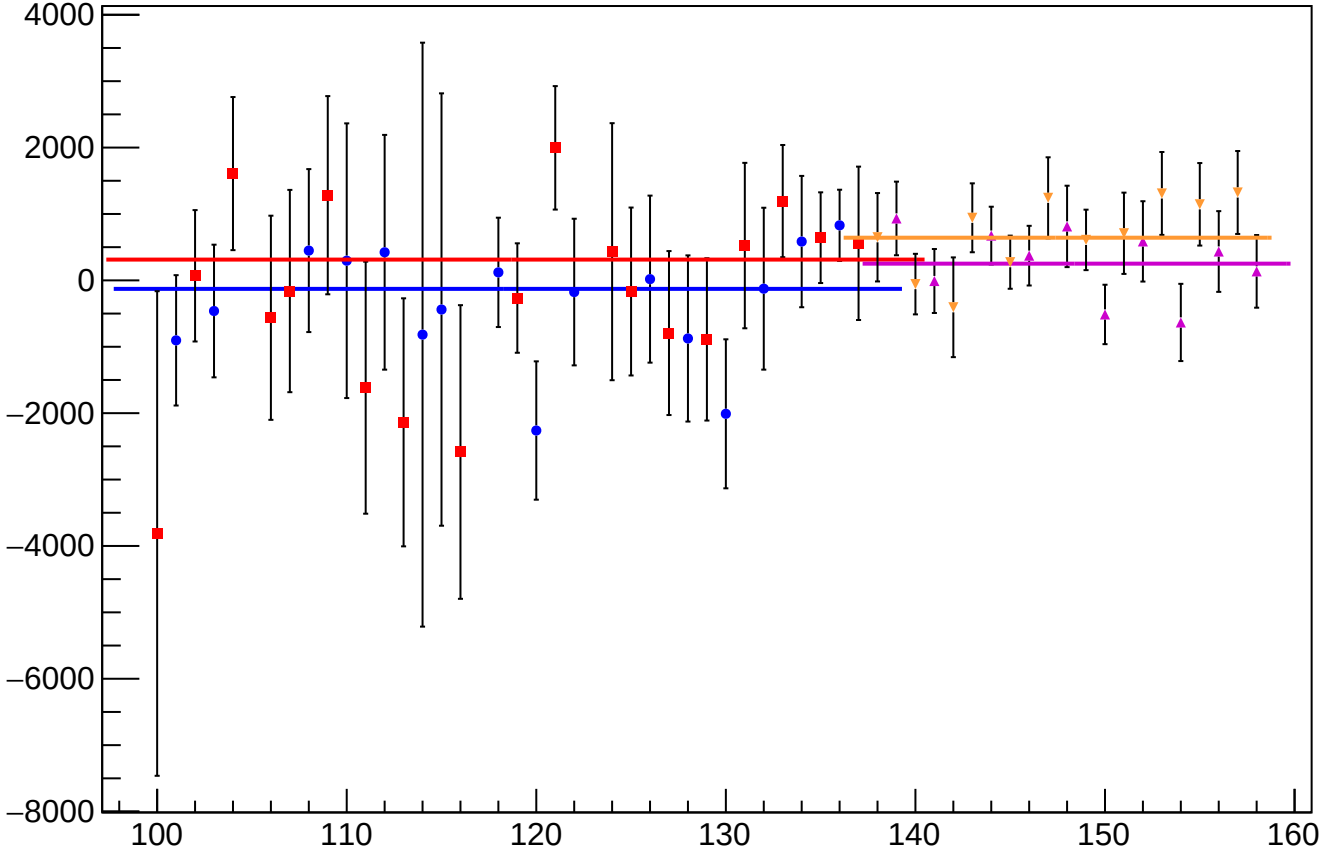
Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 84.989+/-0.021 χ^2/NDF:298247.7/9

+ sign 92.561+/-0.017 χ^2/NDF: 1065117.8/26

All: 92.788+/-0.012 χ^2/NDF: 2153633.6/55

- sign 93.014+/-0.017 χ^2/NDF: 1088147.0/28



Right In: -128.056+/-268.611 χ^2/NDF: 12.3/15

Left Out: 642.576+/-165.083 χ^2/NDF:9.4/10

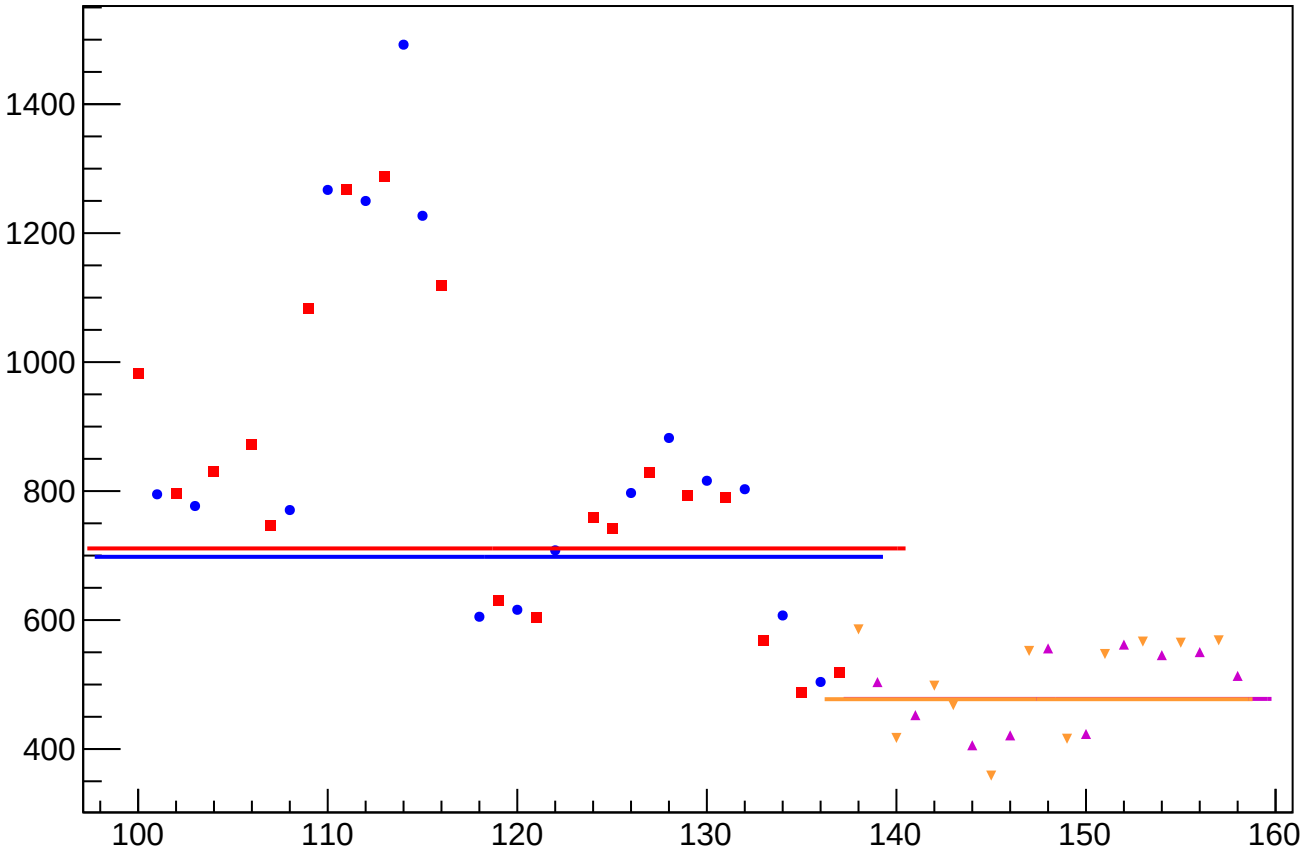
Right Out: 313.031+/-270.131 χ^2/NDF: 15.0/18

Left In: 251.727+/-163.980 χ^2/NDF:9.3/9

+ sign 431.302+/-140.645 χ^2/NDF: 27.7/26

All: 349.495+/-99.284 χ^2/NDF: 52.8/55

- sign 268.234+/-140.175 χ^2/NDF: 24.4/28



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 477.284+/-0.117 χ^2/NDF:481115.5/10

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

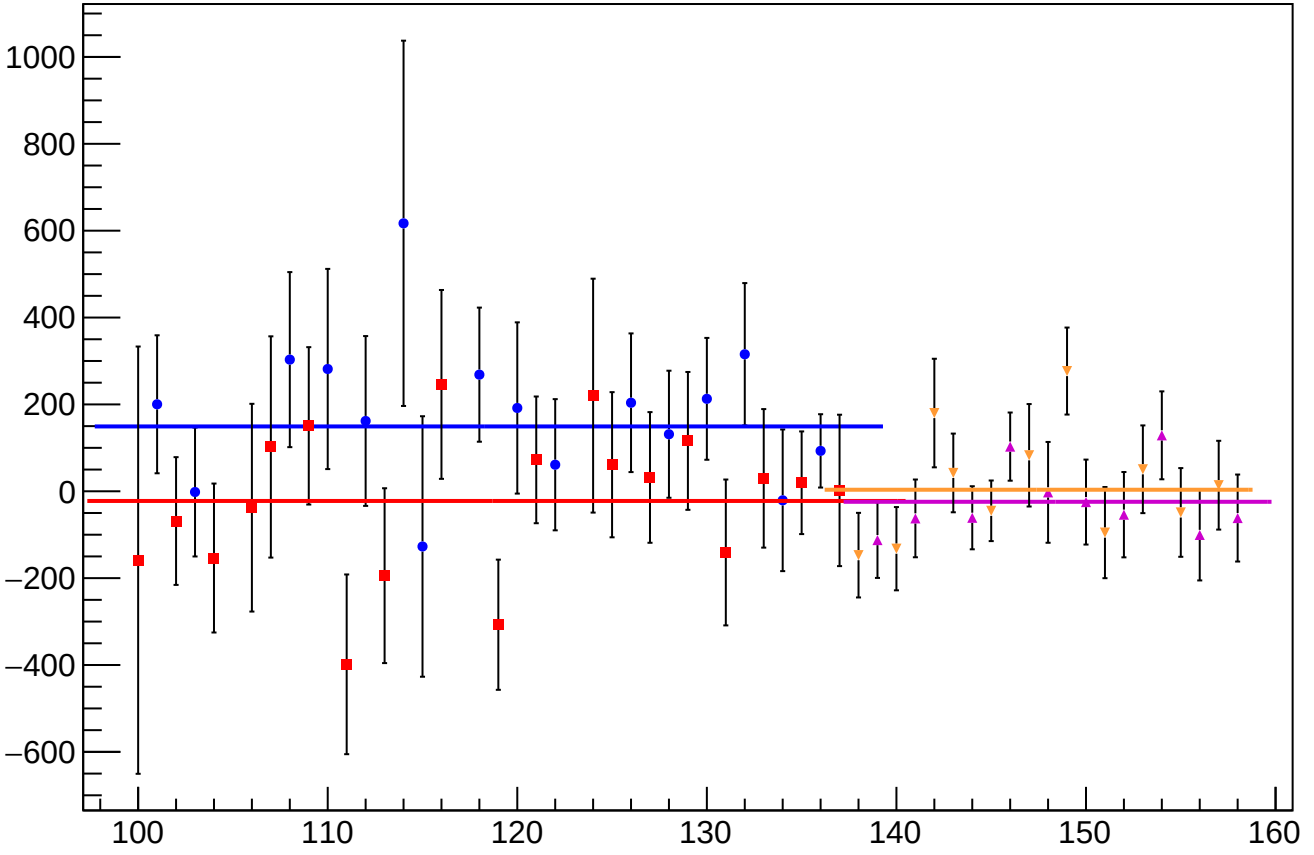
Left In: 477.741+/-0.116 χ^2/NDF:261355.2/9

+ sign 537.810+/-0.099 χ^2/NDF: 2374600.1/26

All: 539.197+/-0.070 χ^2/NDF: 4762003.3/55

- sign 540.574+/-0.099 χ^2/NDF: 2387015.6/28

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: 3.540+/-29.392 χ^2/NDF:16.3/10

Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

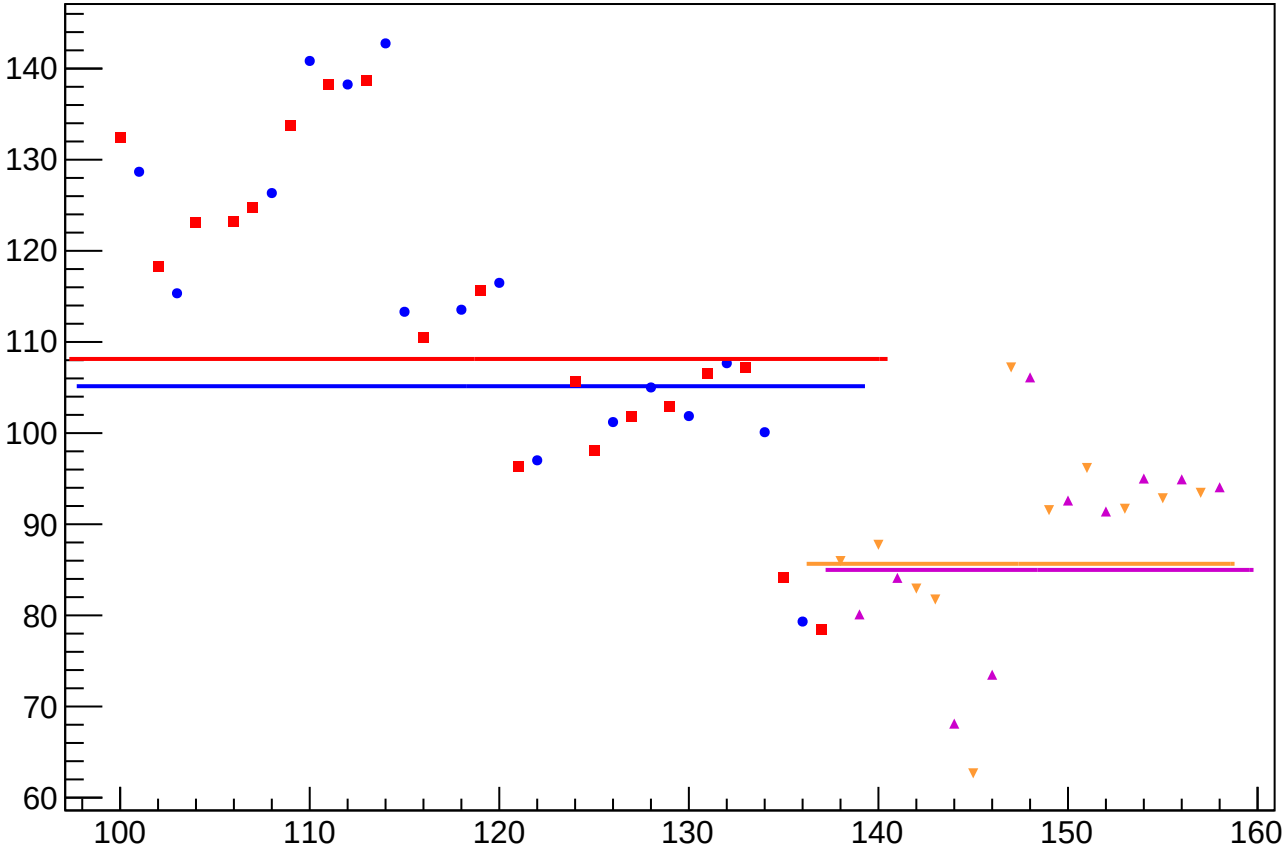
Left In: -24.205+/-29.120 χ^2/NDF:7.2/9

+ sign 55.167+/-23.620 χ^2/NDF: 33.1/26

All: 15.722+/-16.683 χ^2/NDF: 60.0/55

- sign -23.547+/-23.567 χ^2/NDF: 21.4/28

cor_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 85.658+/-0.021 χ^2/NDF:345285.7/10

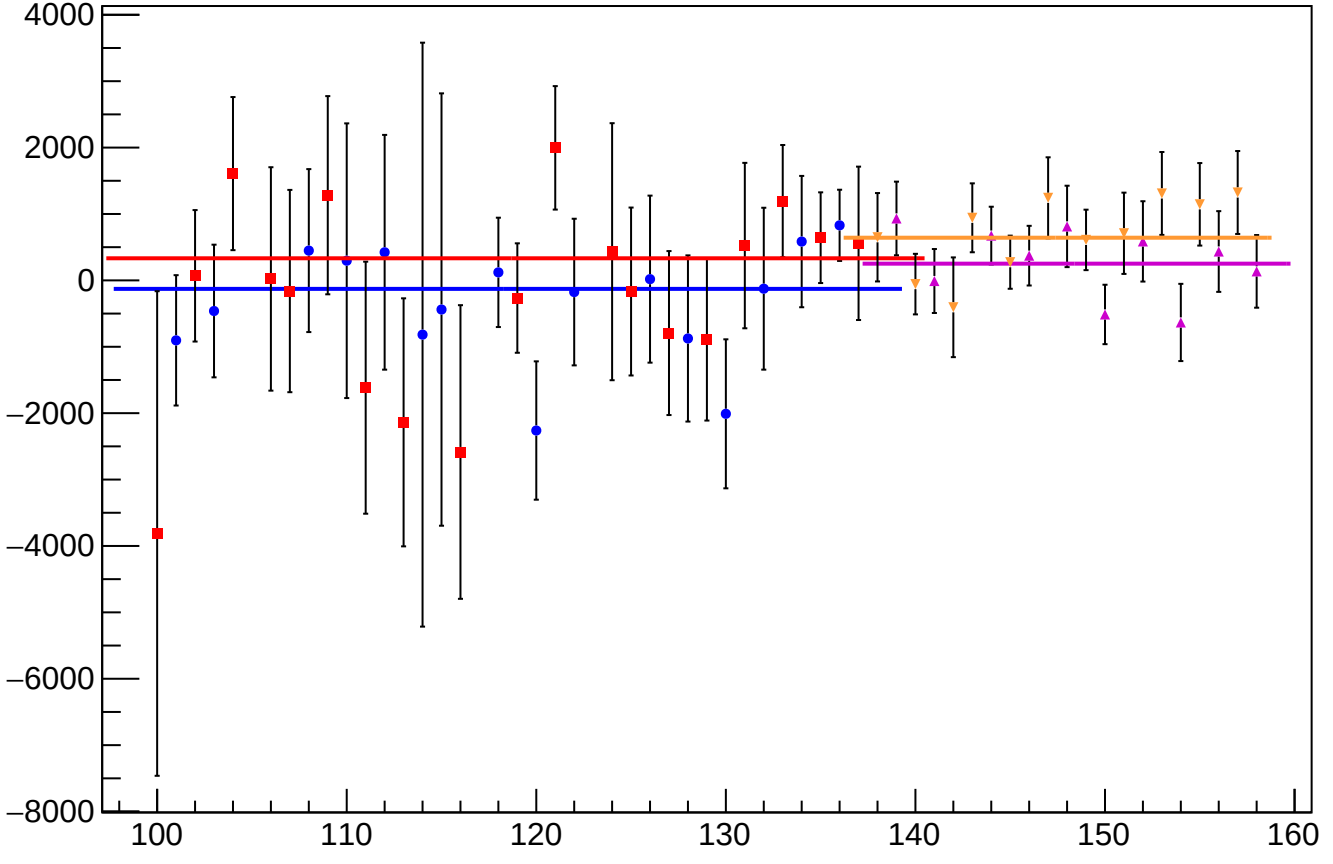
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 84.989+/-0.021 χ^2/NDF:298247.8/9

+ sign 92.561+/-0.017 χ^2/NDF: 1065118.1/26

All: 92.769+/-0.012 χ^2/NDF: 2146002.9/55

- sign 92.975+/-0.017 χ^2/NDF: 1080576.9/28



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 642.578+/-165.083 χ^2/NDF:9.4/10

Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

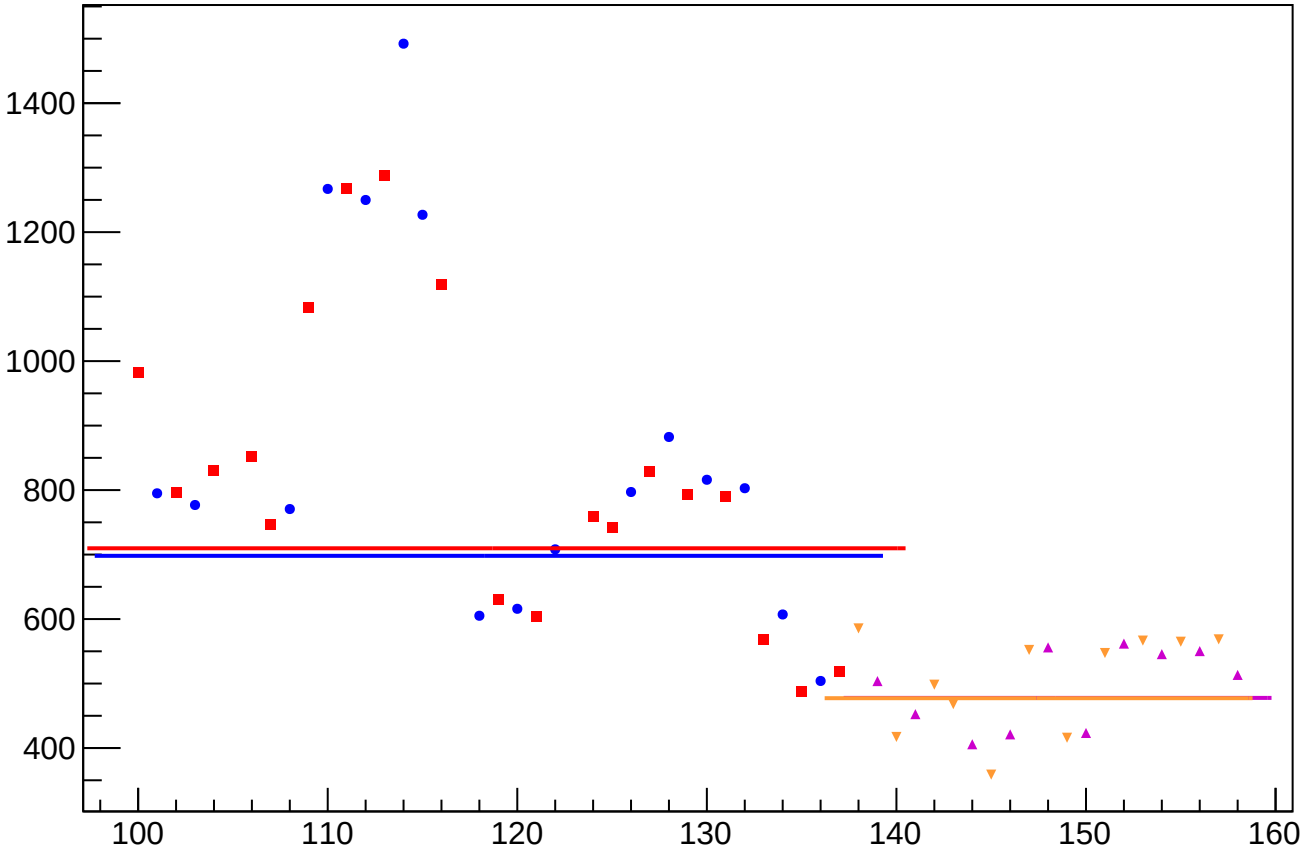
Left In: 251.725+/-163.980 χ^2/NDF:9.3/9

+ sign 431.307+/-140.645 χ^2/NDF: 27.7/26

All: 352.163+/-99.319 χ^2/NDF: 52.5/55

- sign 273.437+/-140.273 χ^2/NDF: 24.1/28

asym_sam_26_48_dd_cor_correction_rms vs Slug



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 477.284+/-0.117 χ^2/NDF:481117.0/10

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

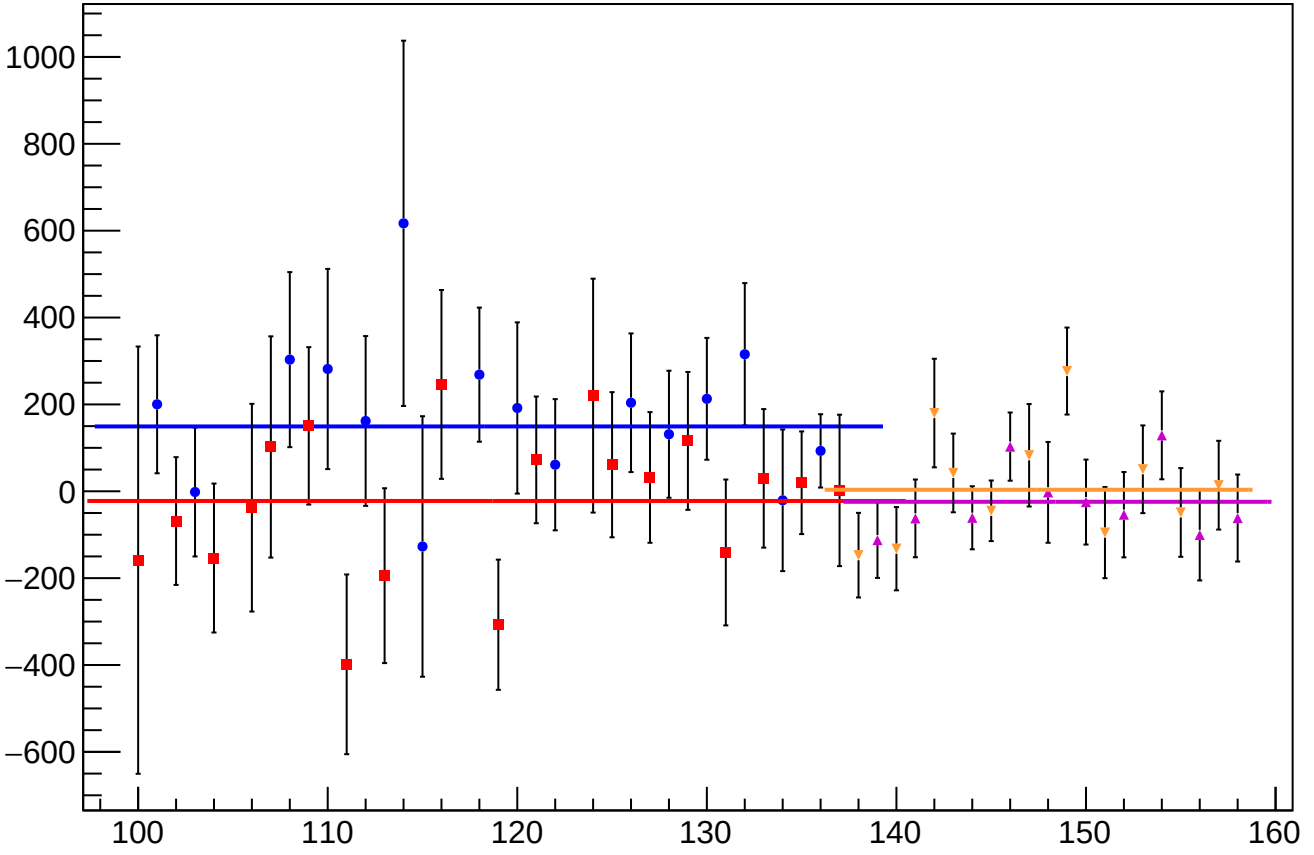
Left In: 477.741+/-0.116 χ^2/NDF:261353.2/9

+ sign 537.810+/-0.099 χ^2/NDF: 2374613.6/26

All: 538.896+/-0.070 χ^2/NDF: 4737278.8/55

- sign 539.976+/-0.099 χ^2/NDF: 2362427.4/28

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: 3.540+/-29.392 χ^2/NDF:16.3/10

Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

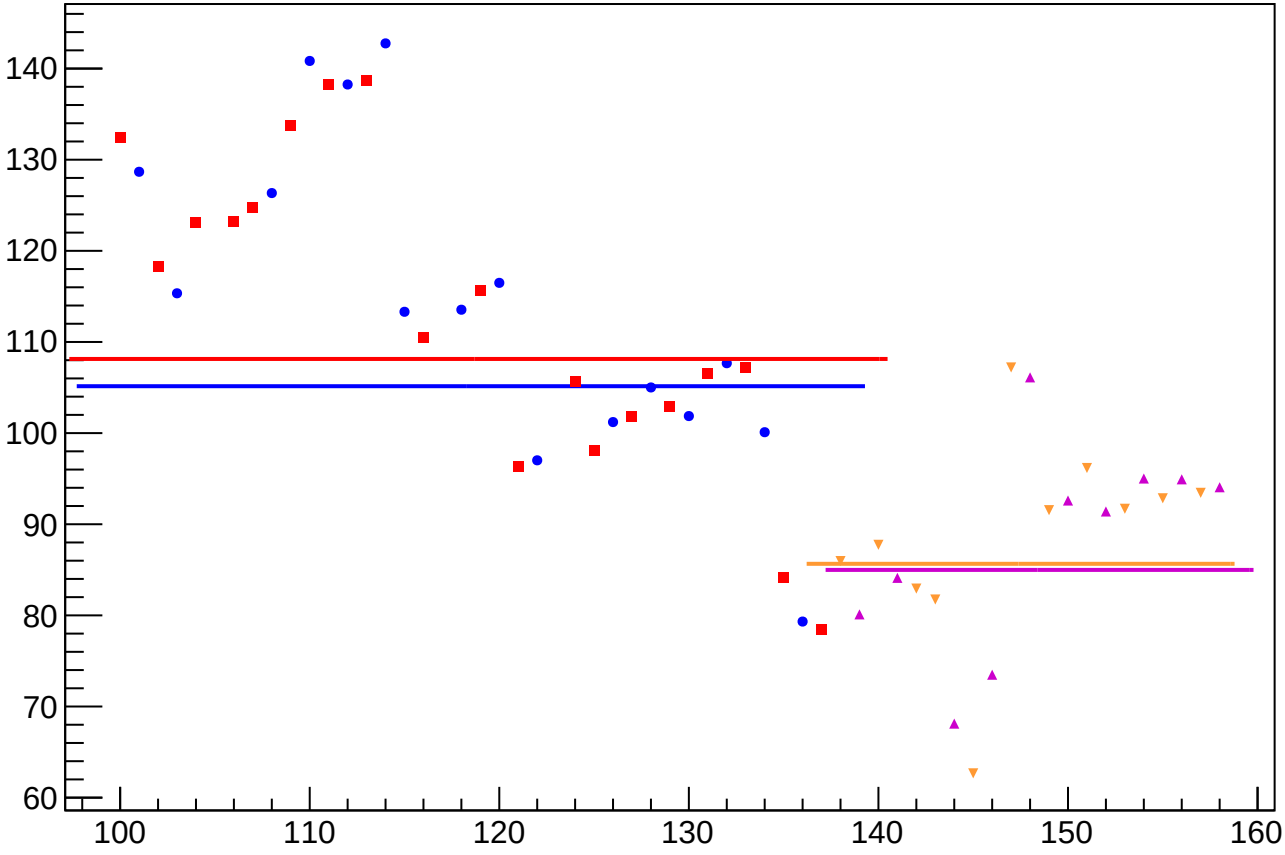
Left In: -24.205+/-29.120 χ^2/NDF:7.2/9

+ sign 55.167+/-23.620 χ^2/NDF: 33.1/26

All: 15.722+/-16.683 χ^2/NDF: 60.0/55

- sign -23.547+/-23.567 χ^2/NDF: 21.4/28

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 85.658+/-0.021 χ^2/NDF:345285.7/10

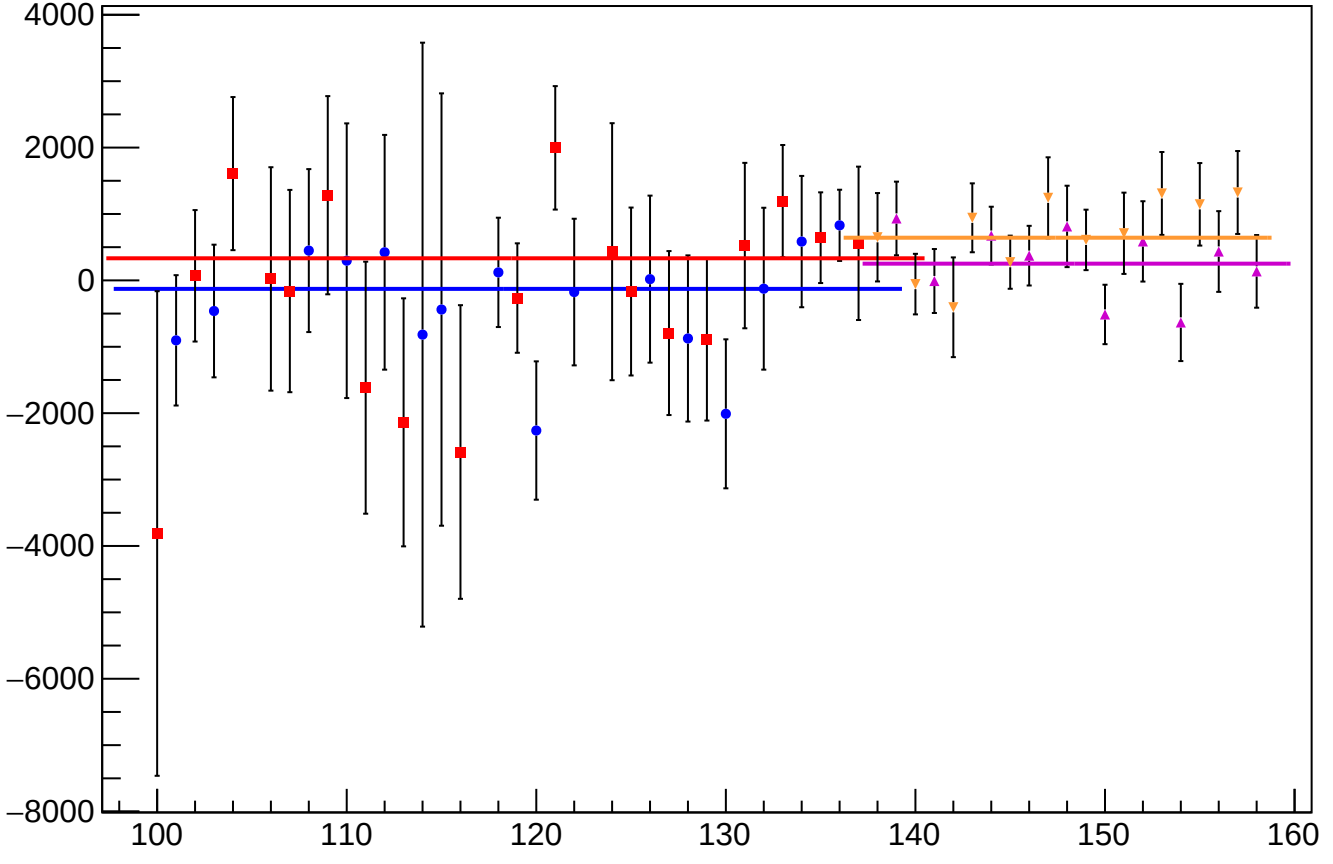
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 84.989+/-0.021 χ^2/NDF:298247.8/9

+ sign 92.561+/-0.017 χ^2/NDF: 1065118.1/26

All: 92.769+/-0.012 χ^2/NDF: 2146002.9/55

- sign 92.975+/-0.017 χ^2/NDF: 1080576.9/28



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 642.578+/-165.083 χ^2/NDF:9.4/10

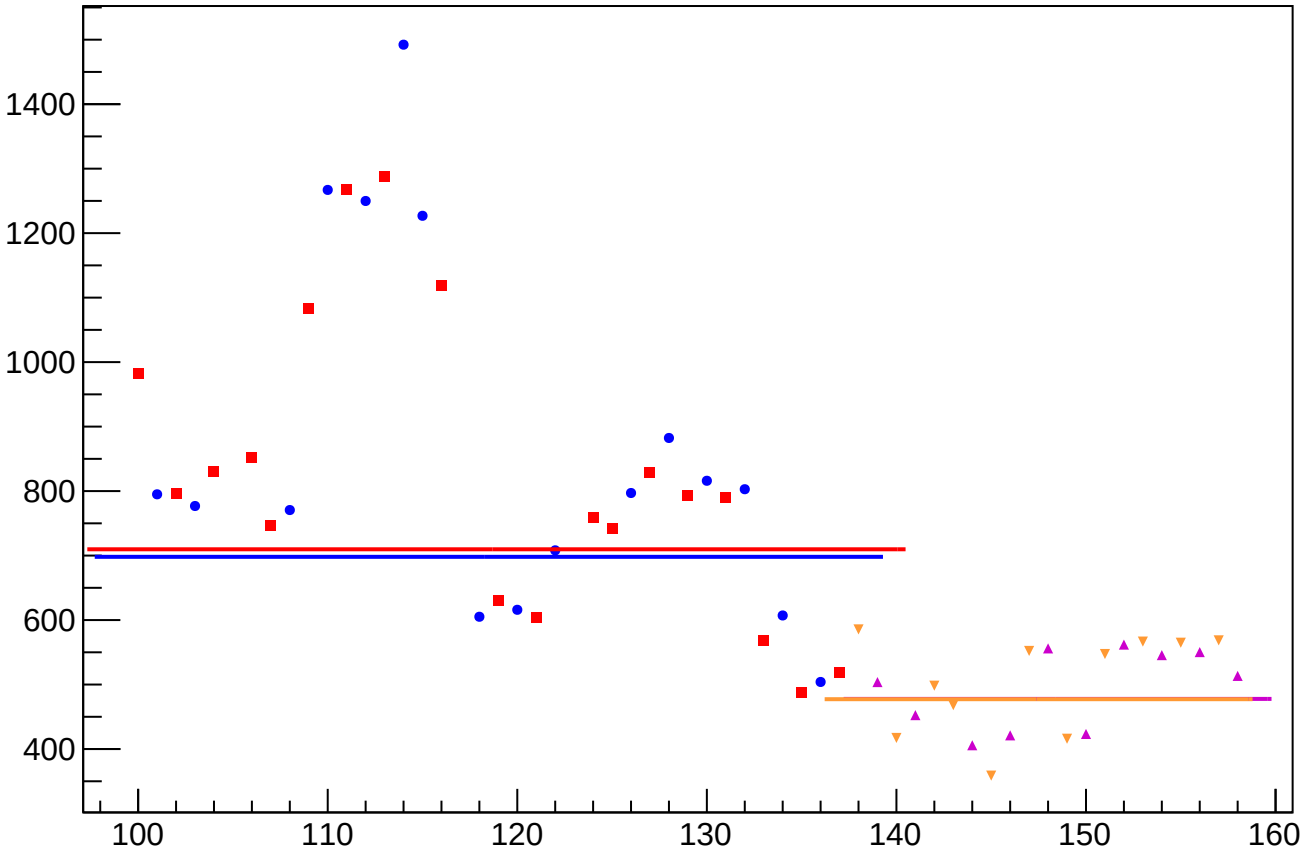
Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: 251.725+/-163.980 χ^2/NDF:9.3/9

+ sign 431.307+/-140.645 χ^2/NDF: 27.7/26

All: 352.163+/-99.319 χ^2/NDF: 52.5/55

- sign 273.437+/-140.273 χ^2/NDF: 24.1/28



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 477.284+/-0.117 χ^2/NDF:481117.0/10

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

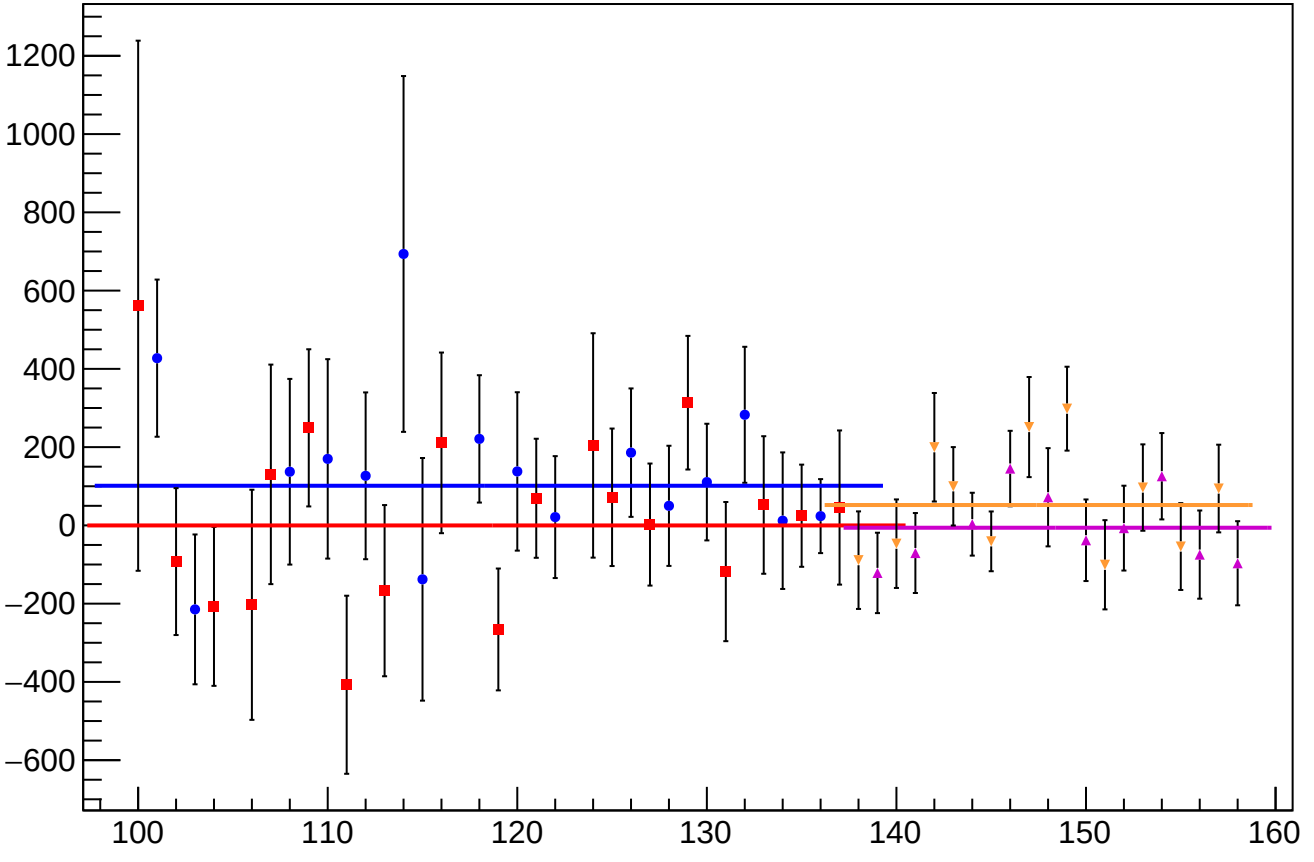
Left In: 477.741+/-0.116 χ^2/NDF:261353.2/9

+ sign 537.810+/-0.099 χ^2/NDF: 2374613.6/26

All: 538.896+/-0.070 χ^2/NDF: 4737278.8/55

- sign 539.976+/-0.099 χ^2/NDF: 2362427.4/28

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: 52.052+/-32.730 χ^2/NDF:15.6/10

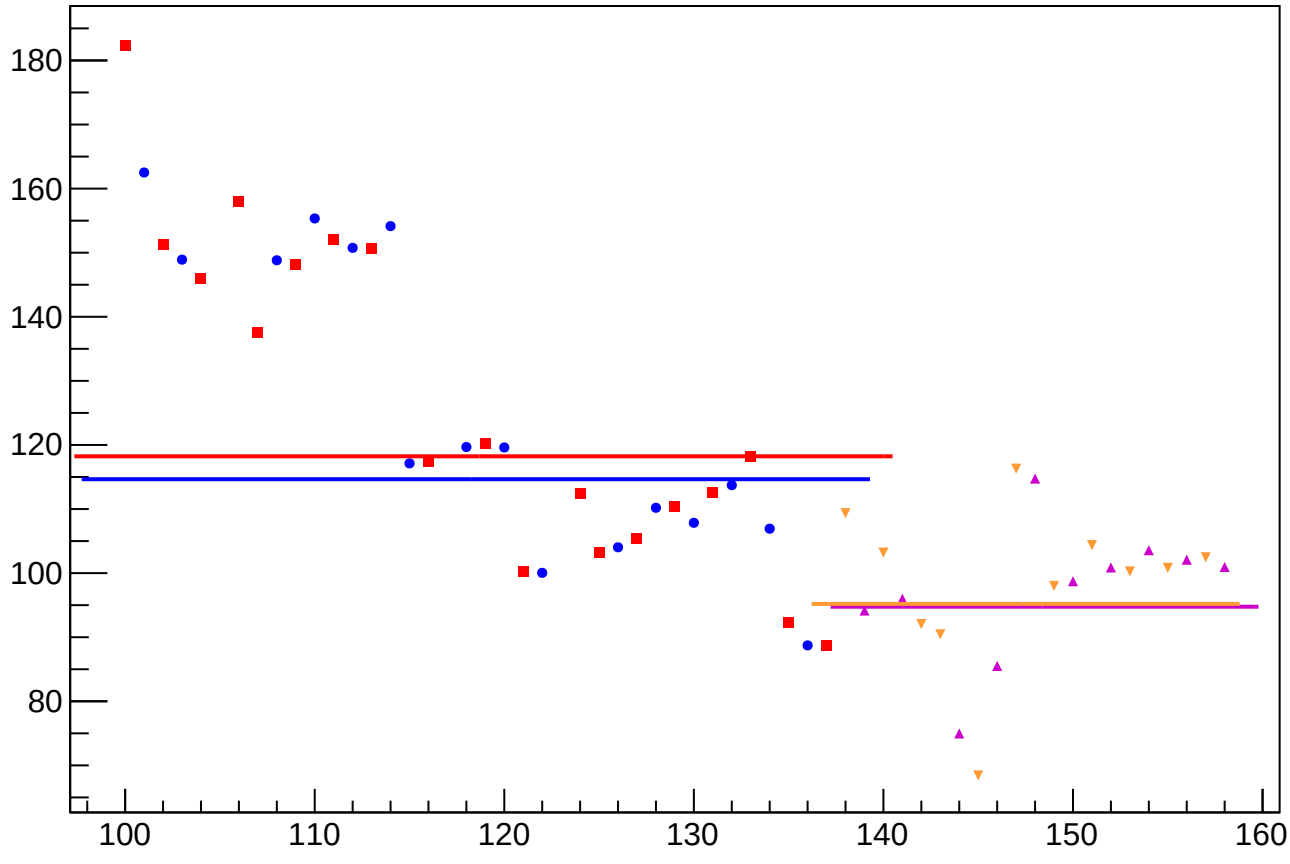
Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: -5.998+/-32.599 χ^2/NDF:7.1/9

+ sign 69.842+/-26.156 χ^2/NDF: 27.4/26

All: 33.025+/-18.511 χ^2/NDF: 55.1/55

- sign -3.919+/-26.201 χ^2/NDF: 23.7/28



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 95.199+/-0.023 χ^2/NDF:373420.6/10

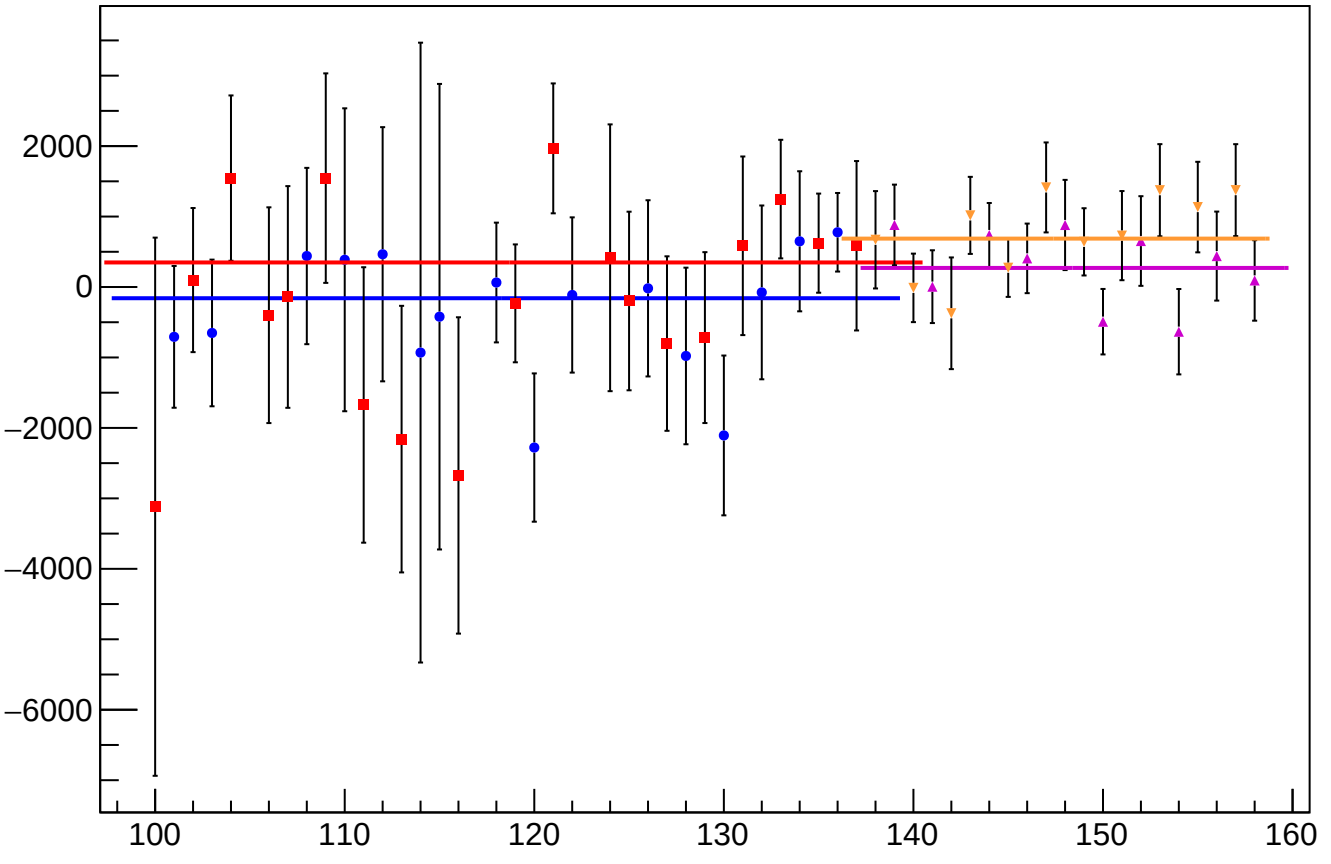
Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 94.760+/-0.023 χ^2/NDF:227873.1/9

+ sign 102.230+/-0.018 χ^2/NDF: 1160787.1/26

All: 102.649+/-0.013 χ^2/NDF: 2240134.1/55

- sign 103.069+/-0.019 χ^2/NDF: 1078319.3/28



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 686.964+/-172.631 χ^2/NDF:9.2/10

Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

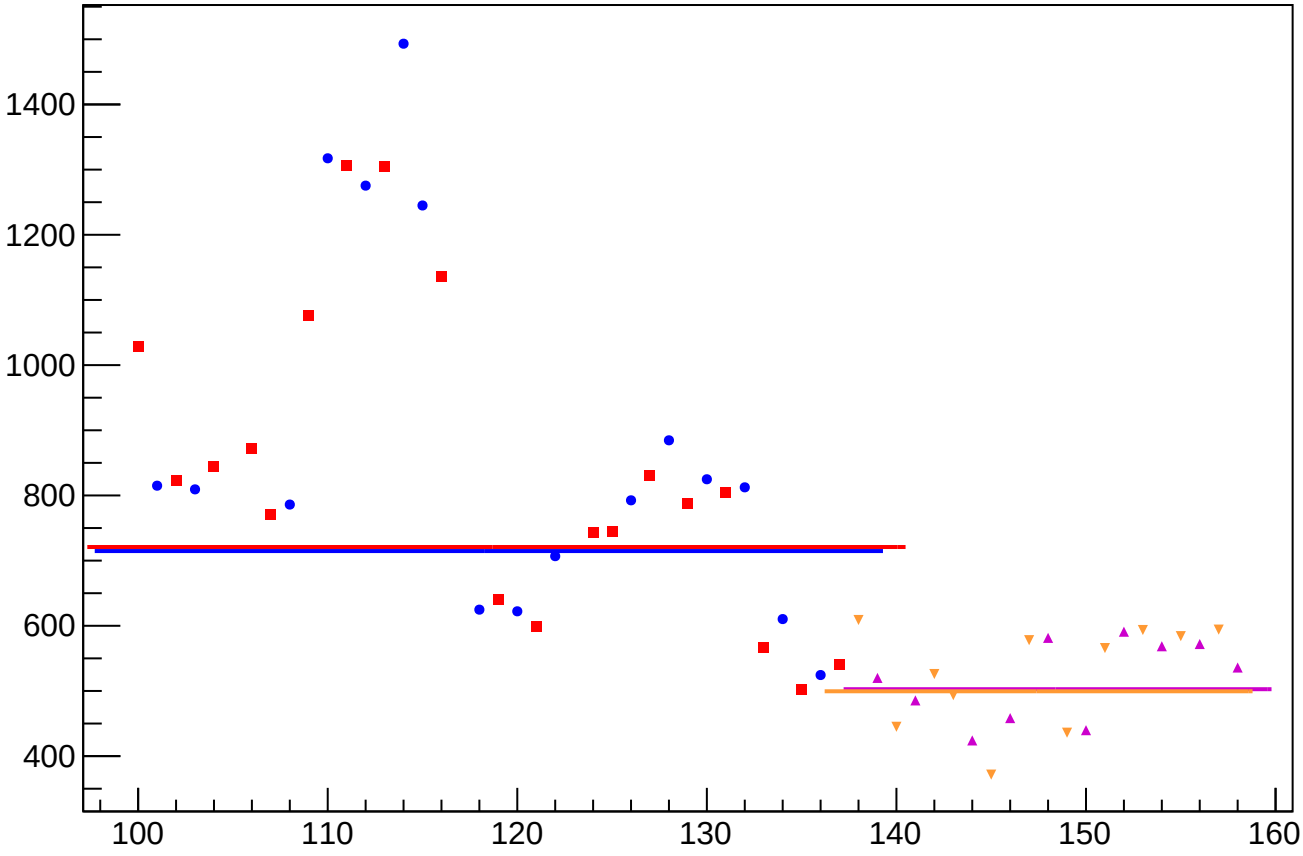
Left In: 270.739+/-172.554 χ^2/NDF:8.9/9

+ sign 447.246+/-146.143 χ^2/NDF: 28.0/26

All: 369.960+/-103.271 χ^2/NDF: 51.8/55

- sign 292.876+/-145.951 χ^2/NDF: 23.3/28

asym_sam_26_48_dd_dit_correction_rms vs Slug



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 499.506+/-0.122 χ^2/NDF:474385.3/10

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

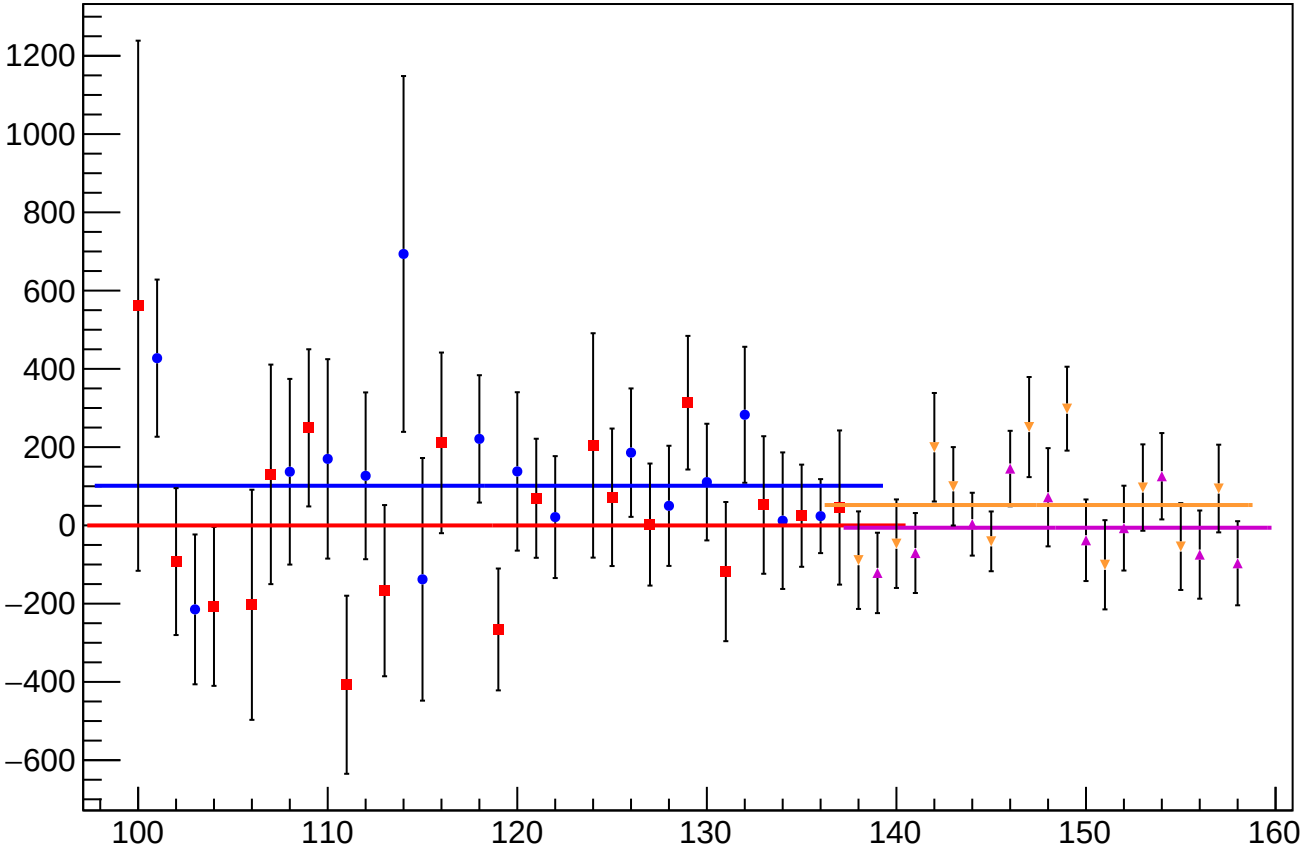
Left In: 502.699+/-0.122 χ^2/NDF:239993.7/9

+ sign 560.467+/-0.103 χ^2/NDF: 2230855.7/26

All: 562.631+/-0.073 χ^2/NDF: 4400135.6/55

- sign 564.789+/-0.103 χ^2/NDF: 2168404.1/28

eigen_dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: 52.050+/-32.730 χ^2/NDF:15.6/10

Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

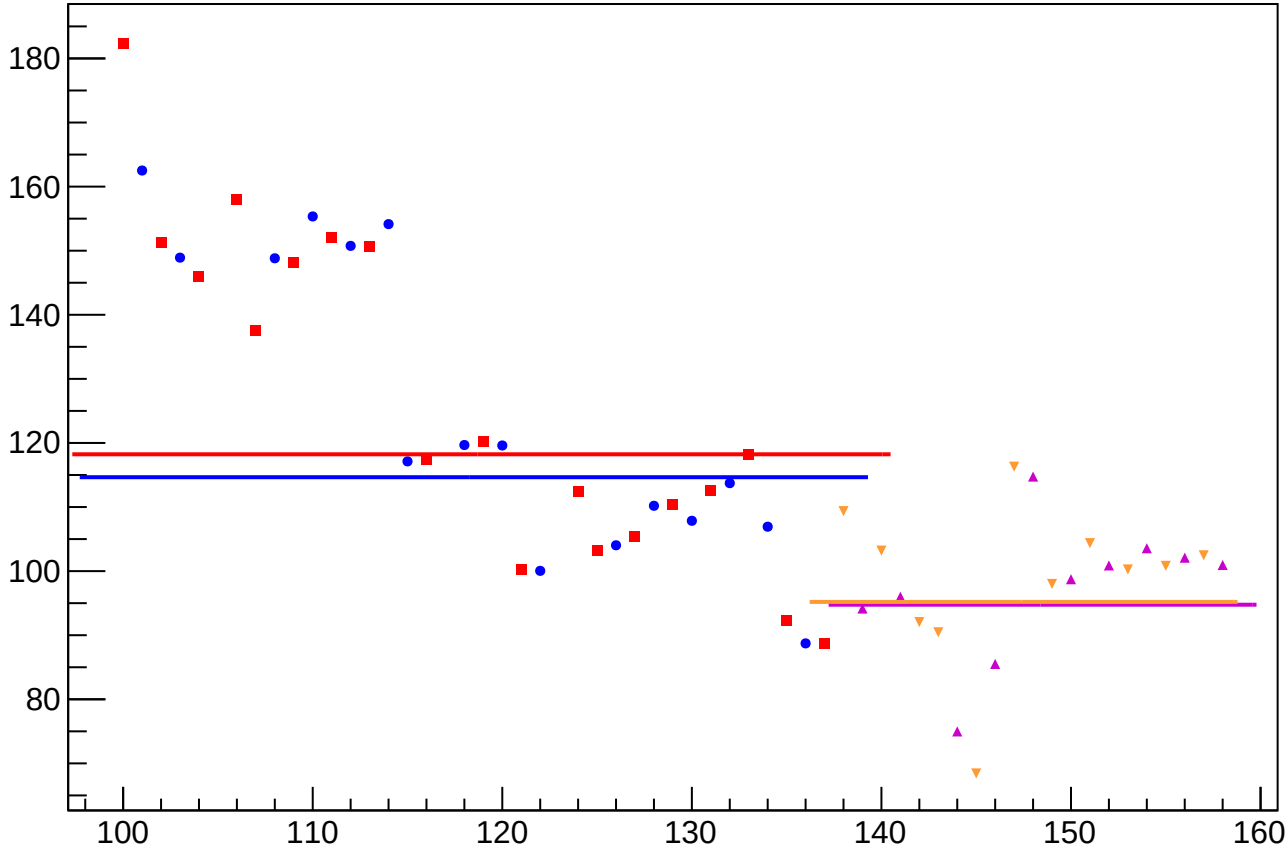
Left In: -5.997+/-32.599 χ^2/NDF:7.1/9

+ sign 69.840+/-26.156 χ^2/NDF: 27.4/26

All: 33.024+/-18.511 χ^2/NDF: 55.1/55

- sign -3.918+/-26.201 χ^2/NDF: 23.7/28

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 95.199+/-0.023 χ^2/NDF:373425.6/10

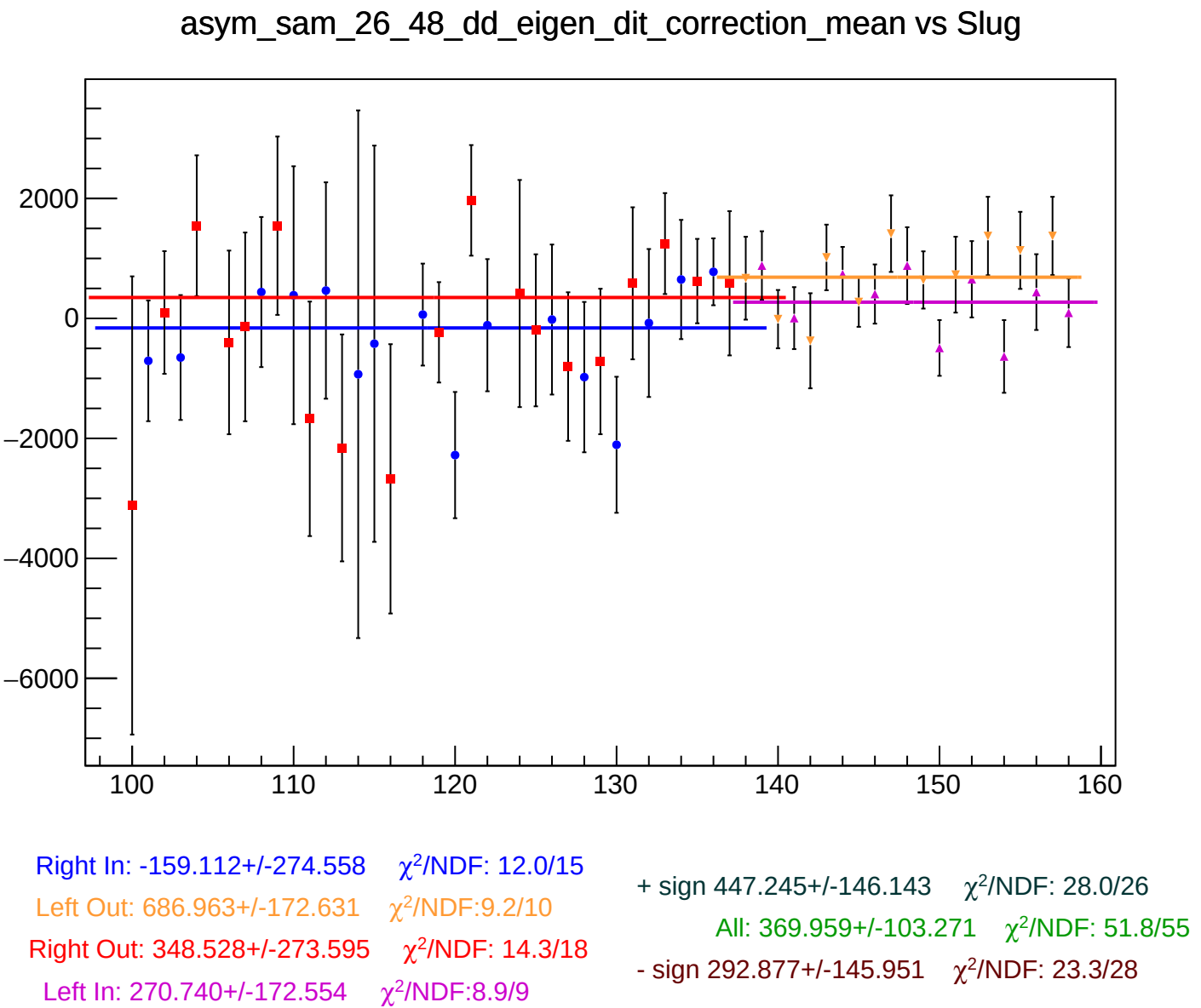
Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 94.760+/-0.023 χ^2/NDF:227873.2/9

+ sign 102.230+/-0.018 χ^2/NDF: 1160783.1/26

All: 102.649+/-0.013 χ^2/NDF: 2240121.4/55

- sign 103.069+/-0.019 χ^2/NDF: 1078310.7/28



Right In: -159.112+/-274.558 χ^2/NDF: 12.0/15

Left Out: 686.963+/-172.631 χ^2/NDF:9.2/10

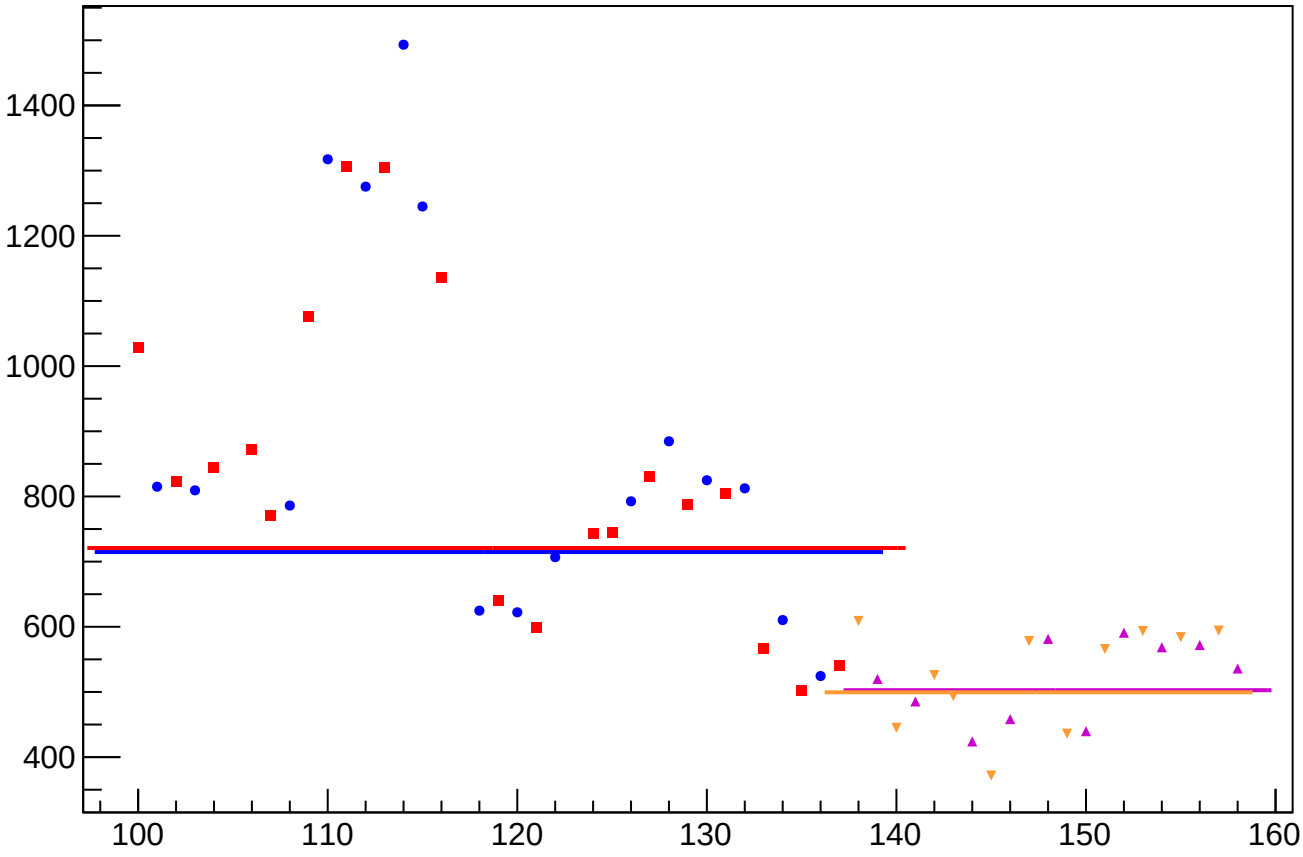
Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: 270.740+/-172.554 χ^2/NDF:8.9/9

\+ sign 447.245+/-146.143 χ^2/NDF: 28.0/26

All: 369.959+/-103.271 χ^2/NDF: 51.8/55

\- sign 292.877+/-145.951 χ^2/NDF: 23.3/28



Right In: 714.666+/-0.194 χ^2/NDF: 876211.4/15

Left Out: 499.506+/-0.122 χ^2/NDF:474386.7/10

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

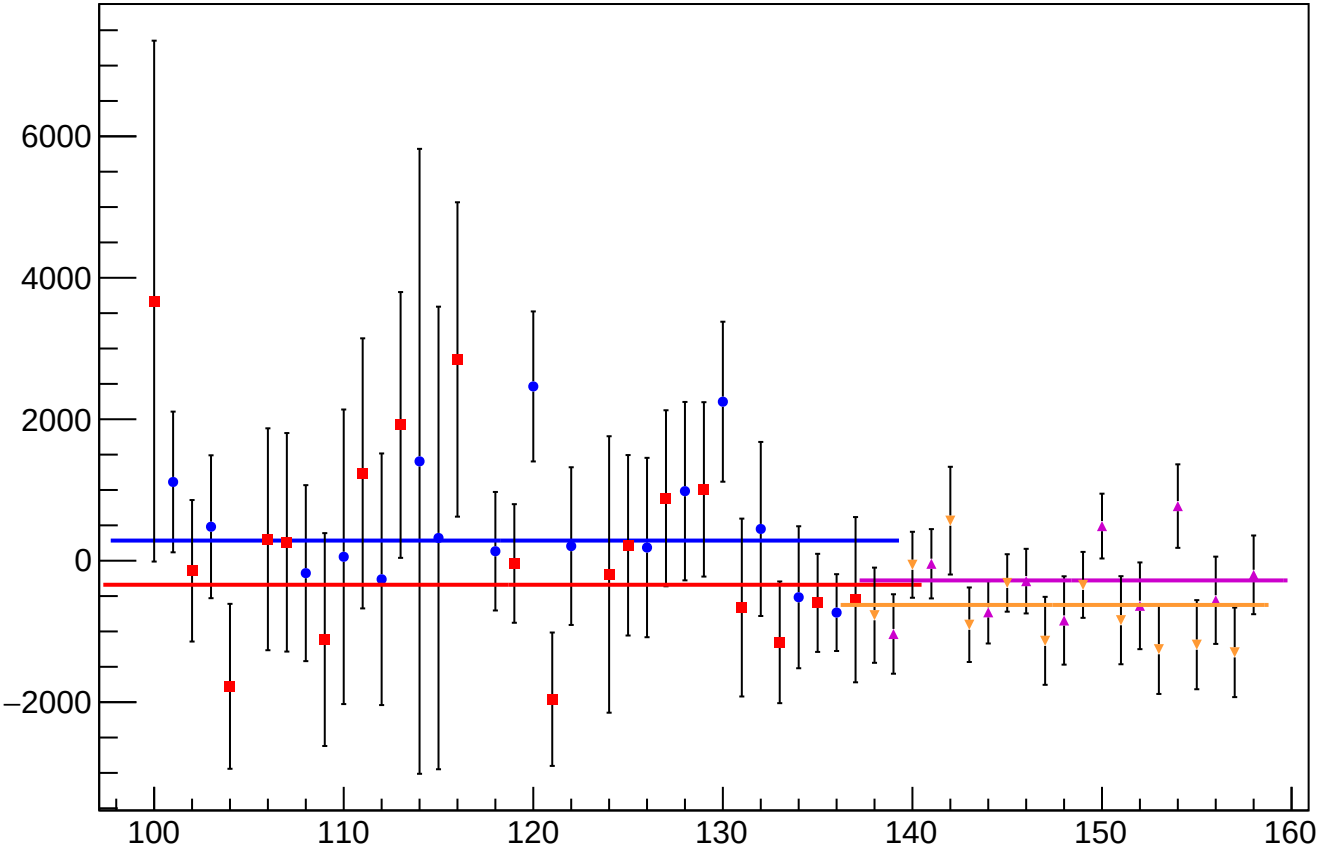
Left In: 502.699+/-0.122 χ^2/NDF:239991.6/9

\+ sign 560.467+/-0.103 χ^2/NDF: 2230851.3/26

All: 562.631+/-0.073 χ^2/NDF: 4400118.8/55

\- sign 564.789+/-0.103 χ^2/NDF: 2168391.6/28

asym_sam_26_48_dd_mean vs Slug



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -625.229+/-167.902 χ^2/NDF:8.9/10

Right Out: -340.018+/-273.601 χ^2/NDF: 14.1/18

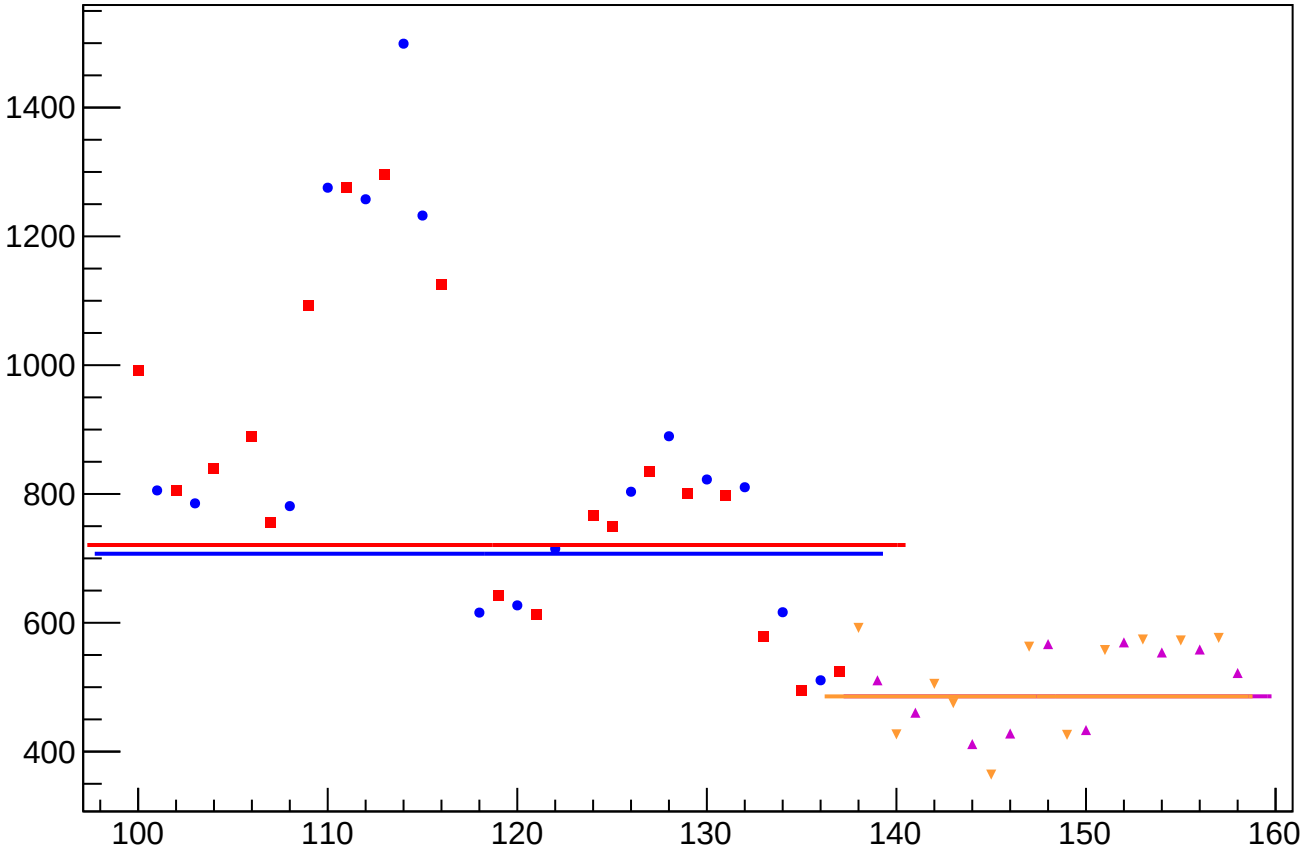
Left In: -278.604+/-166.709 χ^2/NDF:10.5/9

+ sign -374.075+/-142.865 χ^2/NDF: 29.8/26

All: -334.515+/-100.843 χ^2/NDF: 54.5/55

- sign -295.231+/-142.364 χ^2/NDF: 24.6/28

asym_sam_26_48_dd_rms vs Slug



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 485.703+/-0.119 χ^2/NDF:471274.4/10

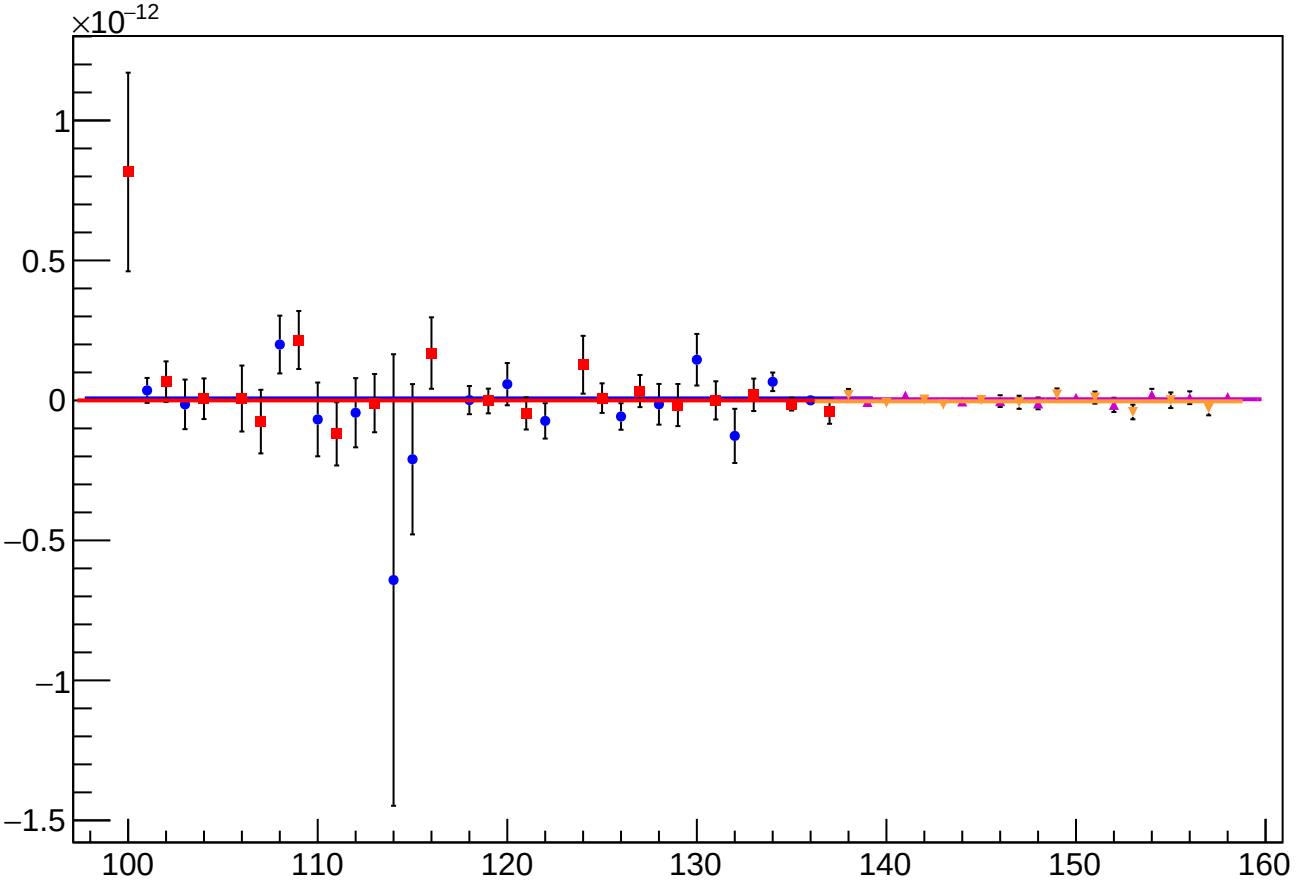
Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 485.829+/-0.118 χ^2/NDF:257782.7/9

+ sign 546.836+/-0.101 χ^2/NDF: 2328667.3/26

All: 548.143+/-0.071 χ^2/NDF: 4677580.7/55

- sign 549.440+/-0.101 χ^2/NDF: 2348580.0/28



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.7/10

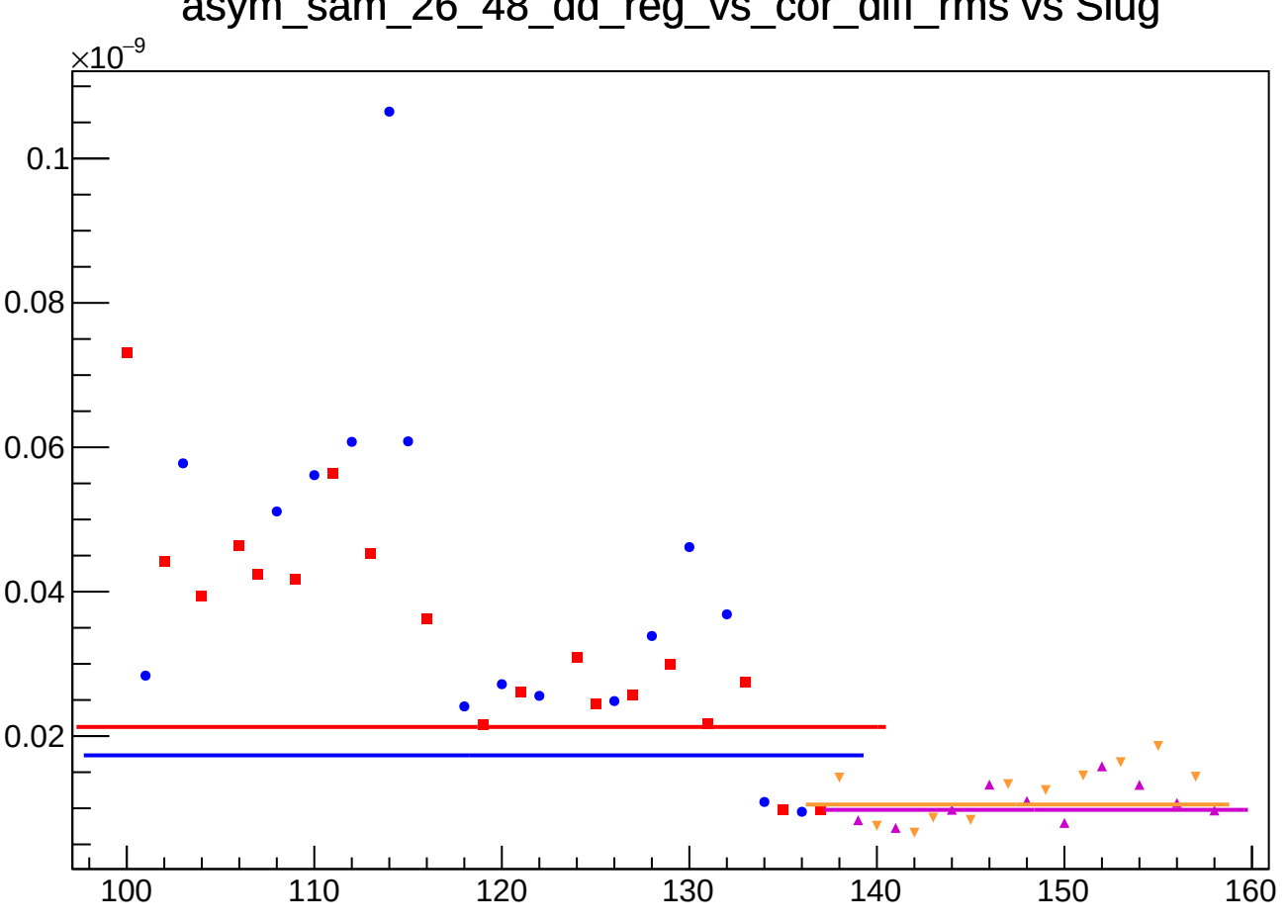
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: 0.000+/-0.000 χ^2/NDF:3.8/9

+ sign -0.000+/-0.000 χ^2/NDF: 24.6/26

All: 0.000+/-0.000 χ^2/NDF: 46.7/55

- sign 0.000+/-0.000 χ^2/NDF: 21.6/28



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:771050.4/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

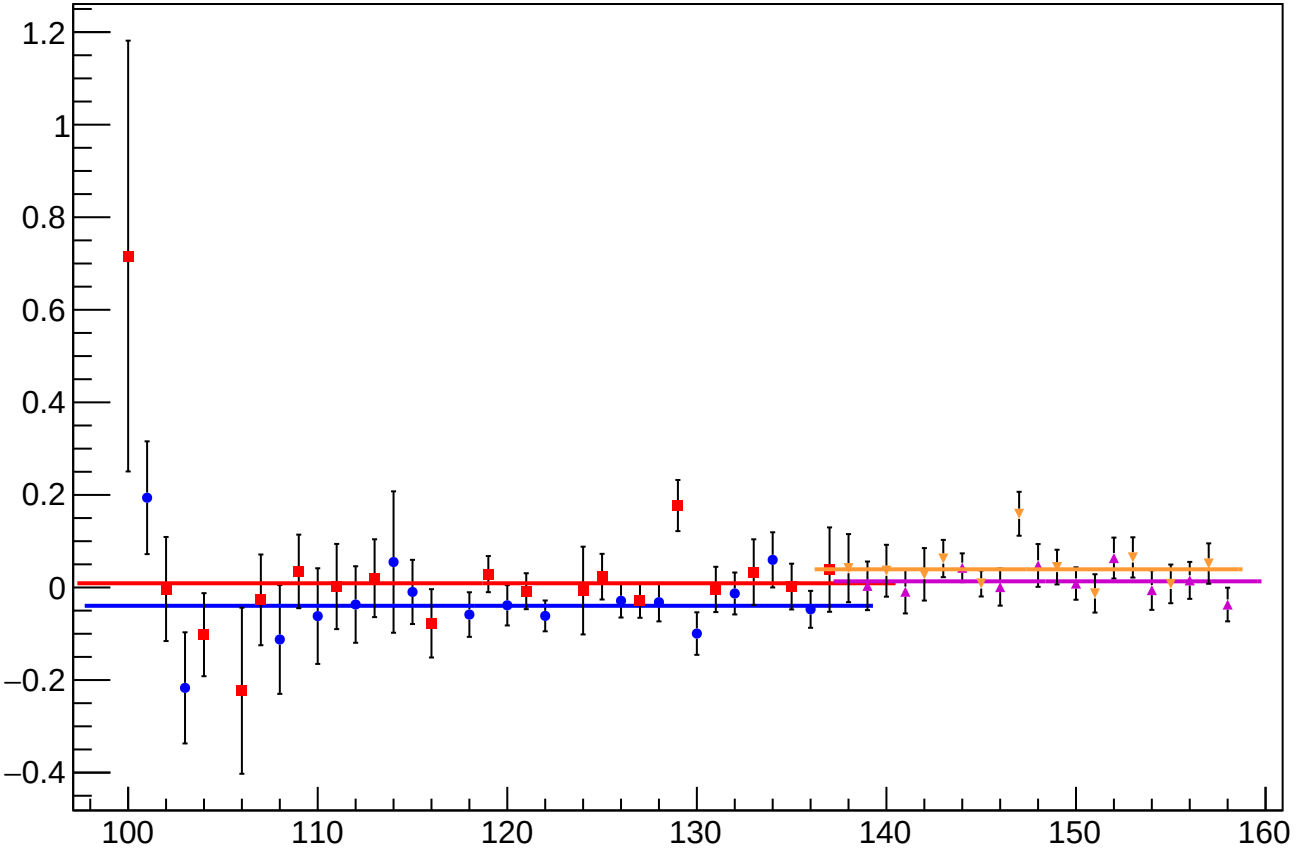
Left In: 0.000+/-0.000 χ^2/NDF:348604.7/9

+ sign 0.000+/-0.000 χ^2/NDF: 3707856.8/26

All: 0.000+/-0.000 χ^2/NDF: 6995327.3/55

- sign 0.000+/-0.000 χ^2/NDF: 3280358.6/28

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.039+/-0.013 χ^2/NDF:10.5/10

Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

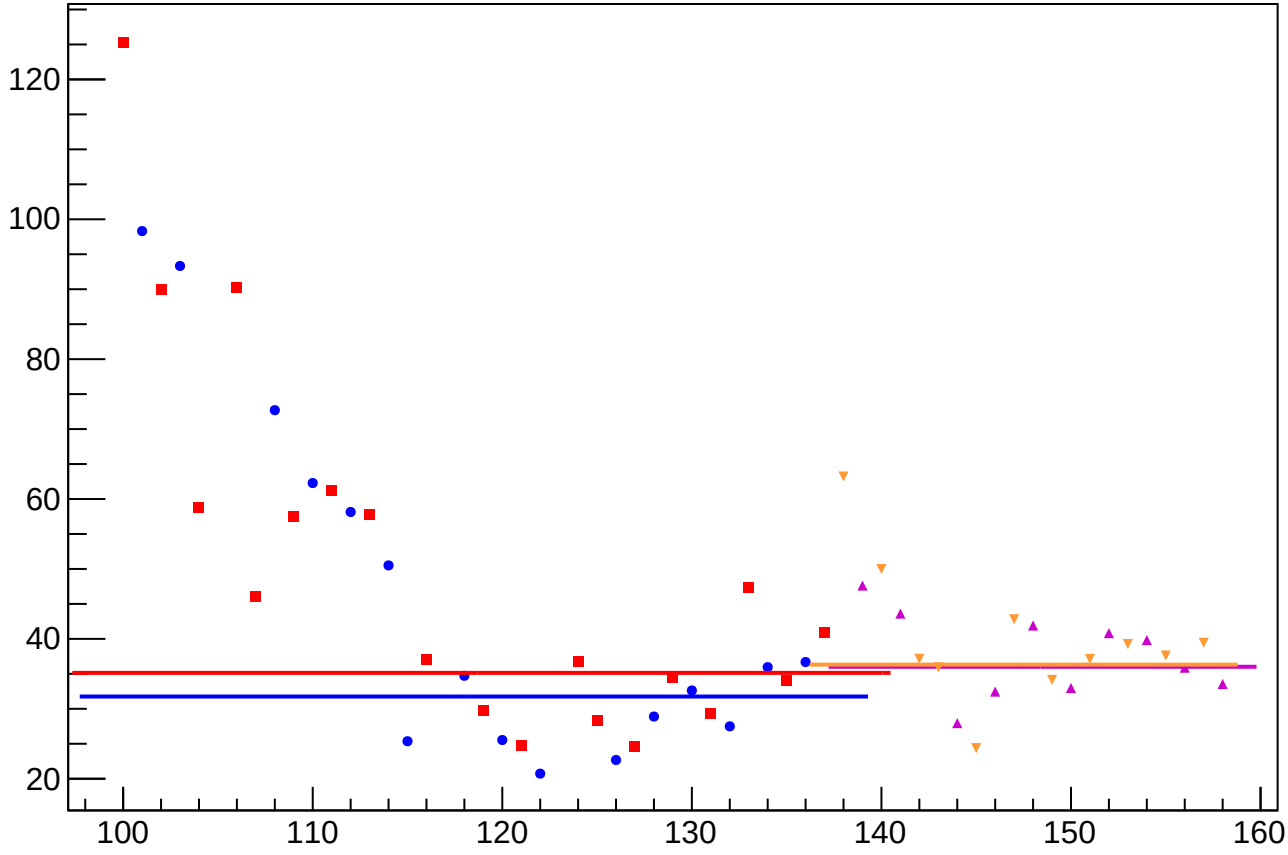
Left In: 0.013+/-0.013 χ^2/NDF:5.2/9

+ sign 0.001+/-0.009 χ^2/NDF: 41.4/26

All: 0.006+/-0.007 χ^2/NDF: 65.6/55

- sign 0.011+/-0.009 χ^2/NDF: 23.6/28

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 36.319+/-0.009 χ^2/NDF:812707.4/10

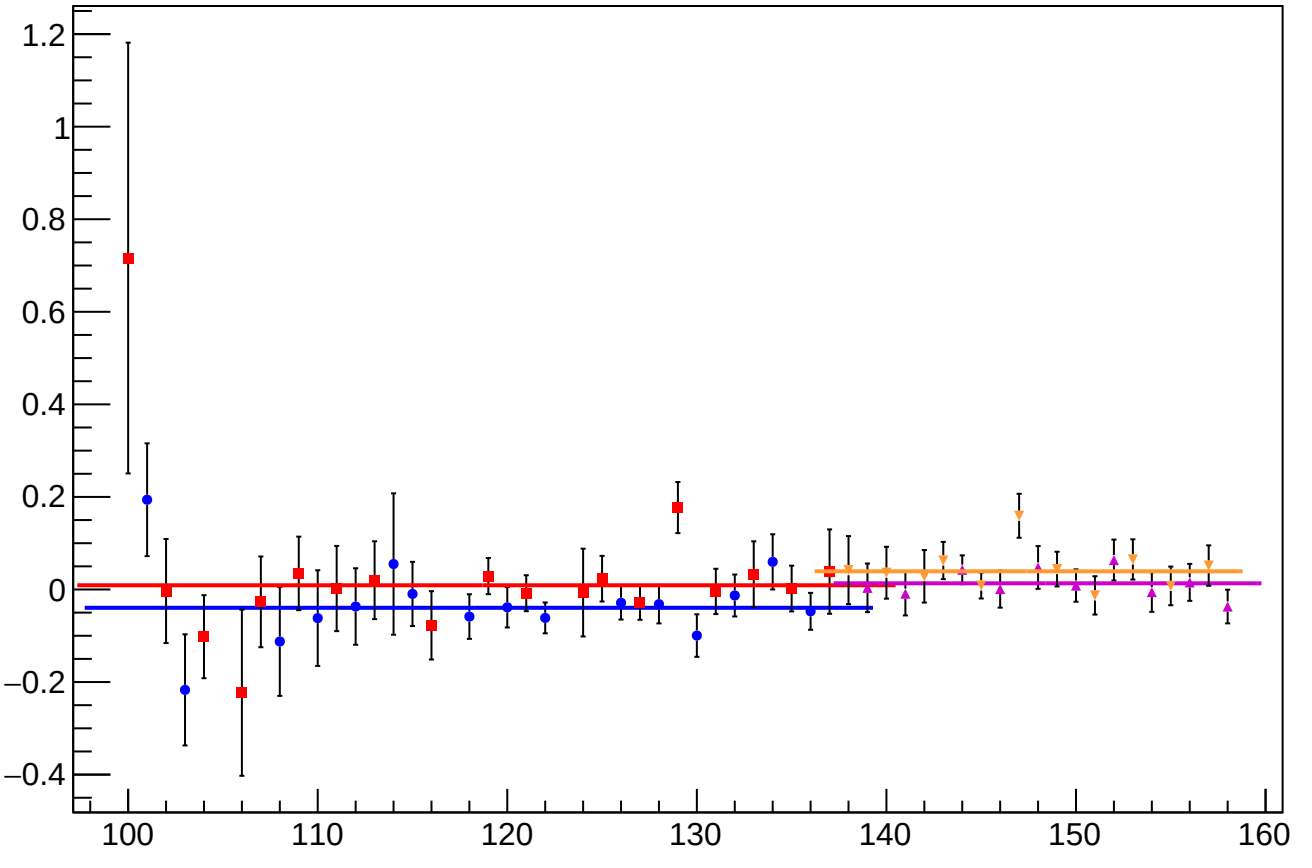
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 36.011+/-0.009 χ^2/NDF:396773.0/9

\+ sign 34.092+/-0.007 χ^2/NDF: 3188220.7/26

All: 34.836+/-0.005 χ^2/NDF: 5460793.6/55

\- sign 35.623+/-0.007 χ^2/NDF: 2245644.9/28



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.039+/-0.013 χ^2/NDF:10.5/10

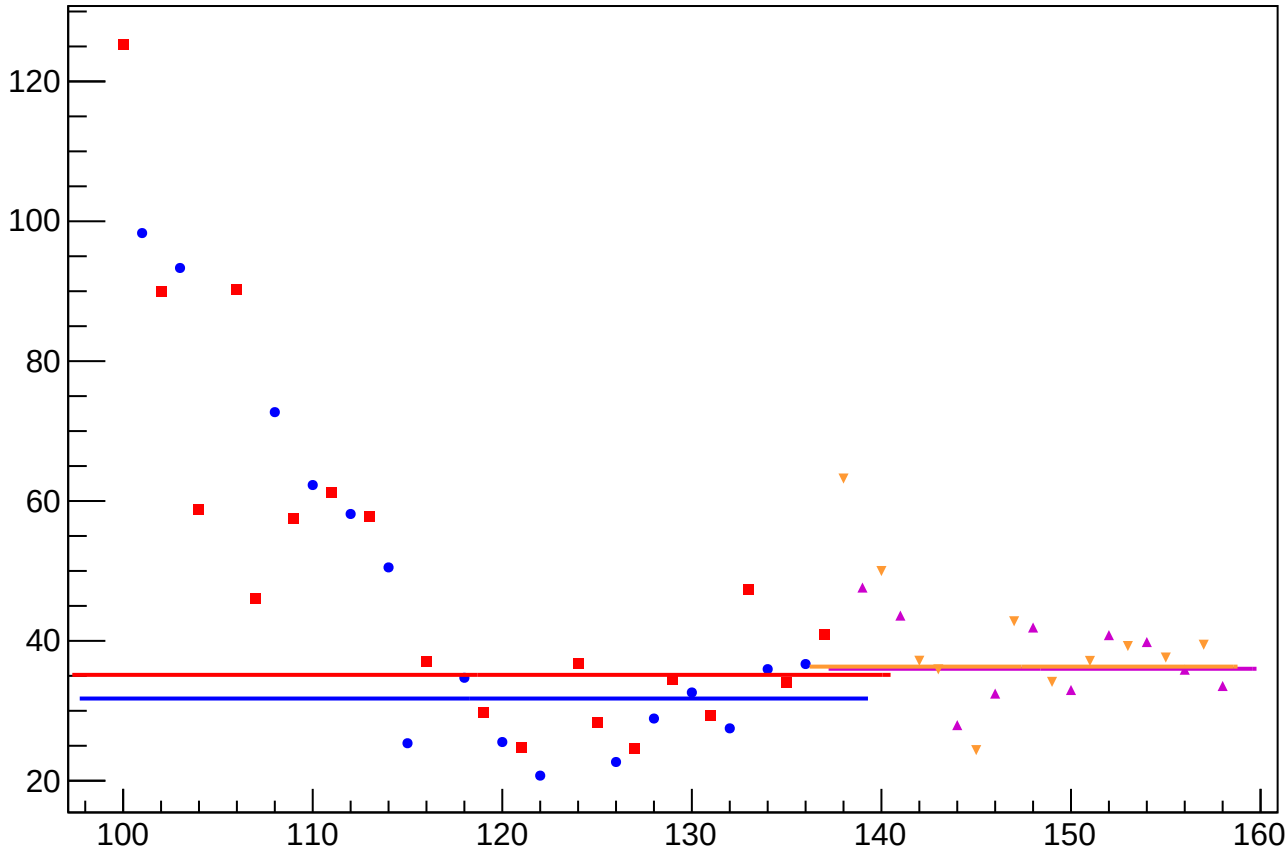
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.013+/-0.013 χ^2/NDF:5.2/9

+ sign 0.001+/-0.009 χ^2/NDF: 41.4/26

All: 0.006+/-0.007 χ^2/NDF: 65.6/55

- sign 0.011+/-0.009 χ^2/NDF: 23.6/28



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 36.319+/-0.009 χ^2/NDF:812707.4/10

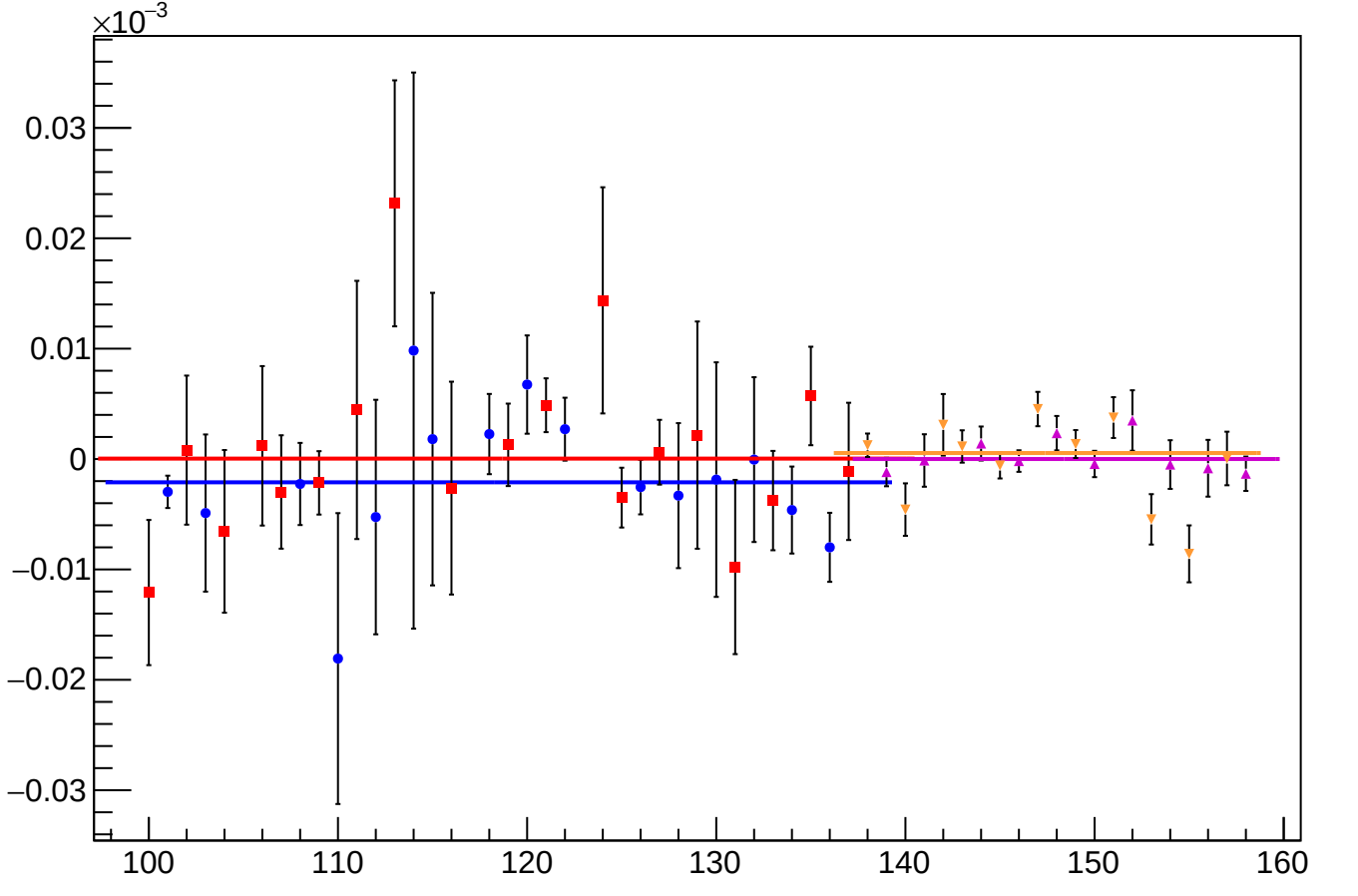
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 36.011+/-0.009 χ^2/NDF:396773.0/9

+ sign 34.092+/-0.007 χ^2/NDF: 3188220.7/26

All: 34.836+/-0.005 χ^2/NDF: 5460793.6/55

- sign 35.623+/-0.007 χ^2/NDF: 2245644.9/28



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:36.5/10

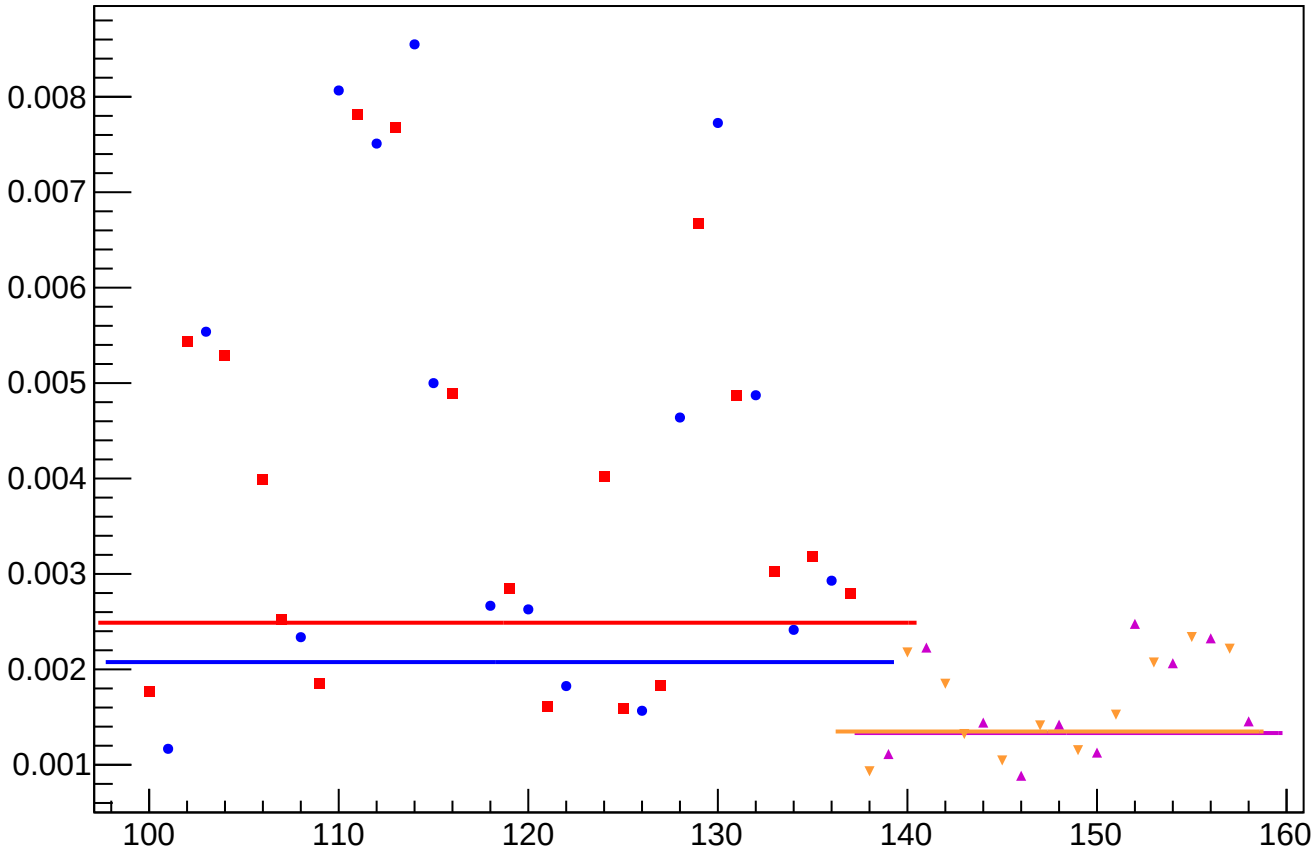
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:6.6/9

+ sign -0.000+/-0.000 χ^2/NDF: 57.8/26

All: -0.000+/-0.000 χ^2/NDF: 85.9/55

- sign 0.000+/-0.000 χ^2/NDF: 28.0/28



Right In: 0.002+/-0.000 χ^2/NDF: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:1568981.4/10

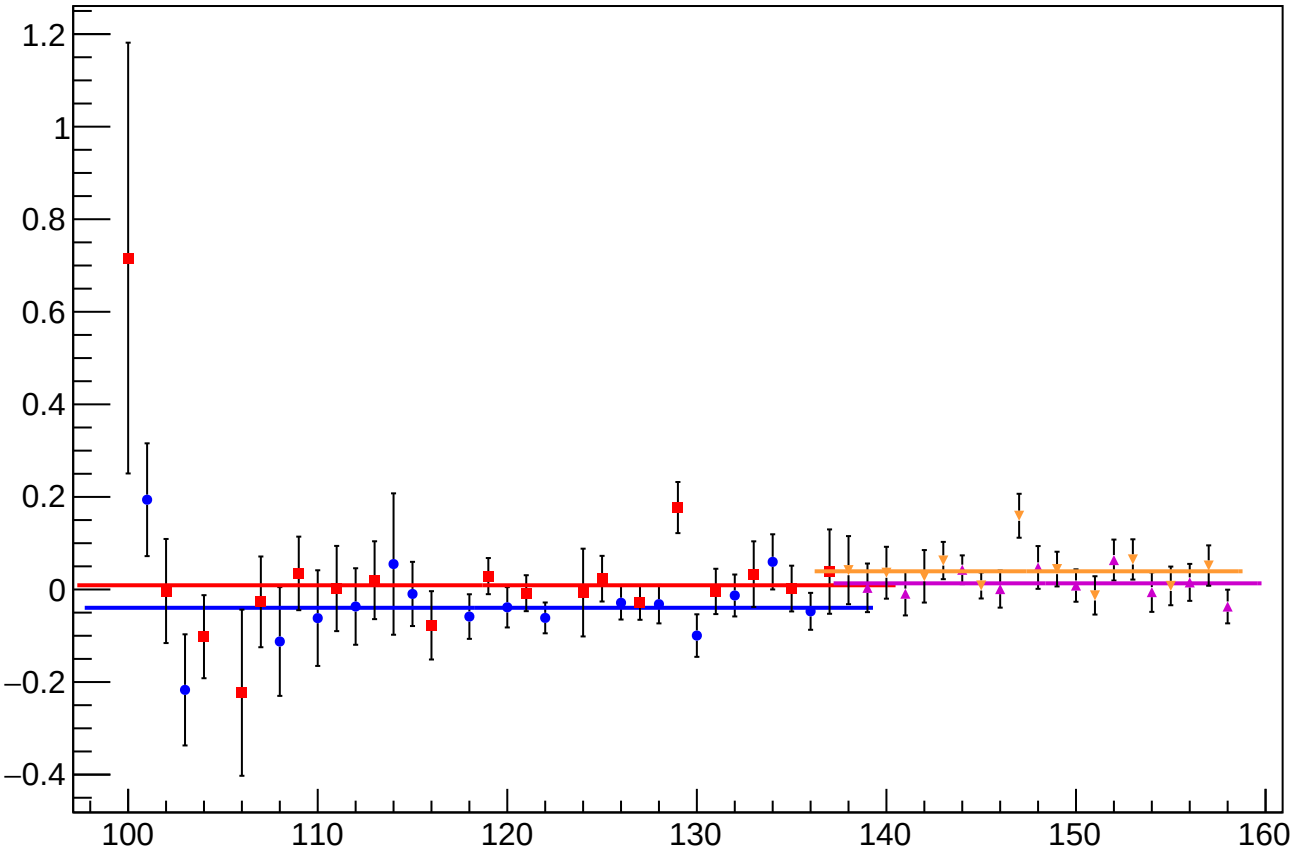
Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

Left In: 0.001+/-0.000 χ^2/NDF:1717658.3/9

+ sign 0.002+/-0.000 χ^2/NDF: 6480465.4/26

All: 0.002+/-0.000 χ^2/NDF: 13318599.1/55

- sign 0.002+/-0.000 χ^2/NDF: 6834243.9/28



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.039+/-0.013 χ^2/NDF:10.5/10

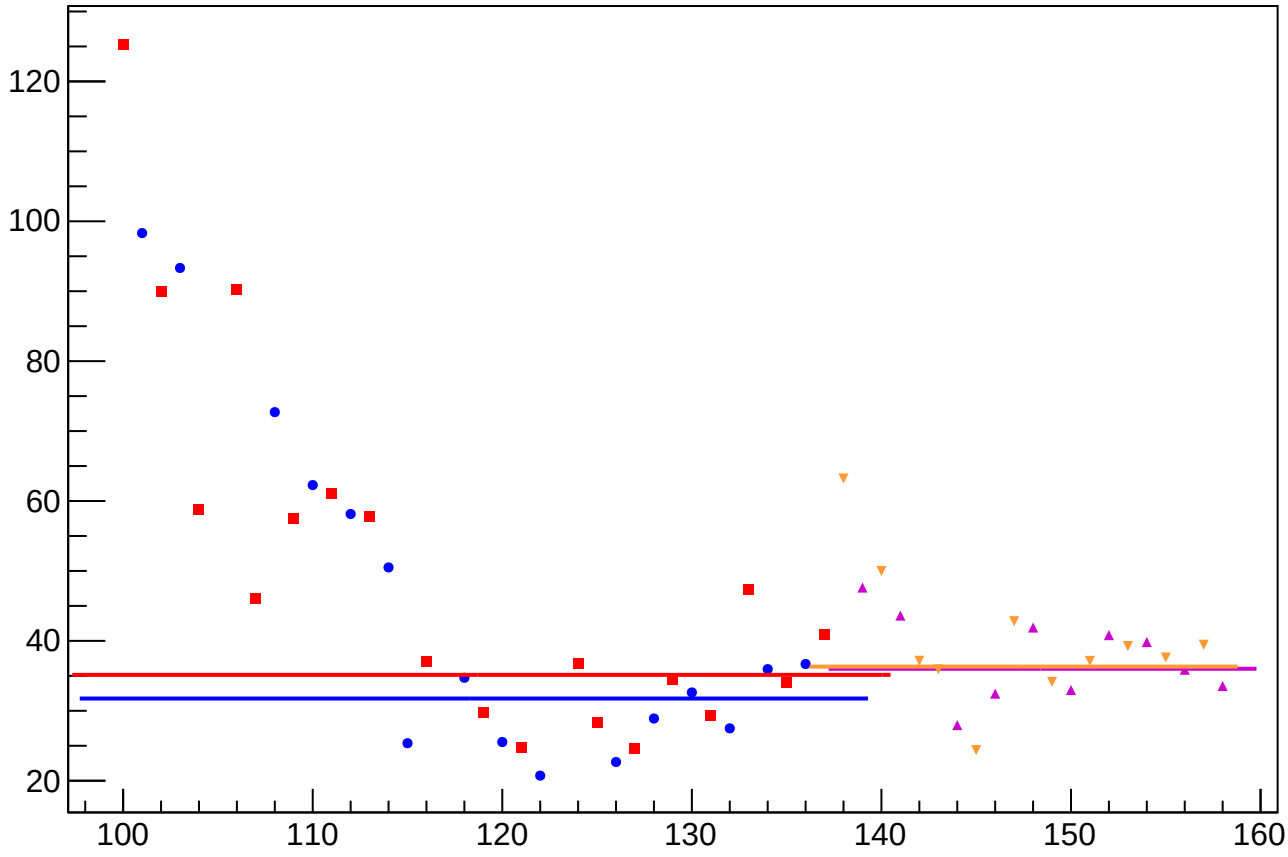
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.013+/-0.013 χ^2/NDF:5.2/9

+ sign 0.001+/-0.009 χ^2/NDF: 41.4/26

All: 0.006+/-0.007 χ^2/NDF: 65.5/55

- sign 0.011+/-0.009 χ^2/NDF: 23.6/28



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 36.319+/-0.009 χ^2/NDF:812749.2/10

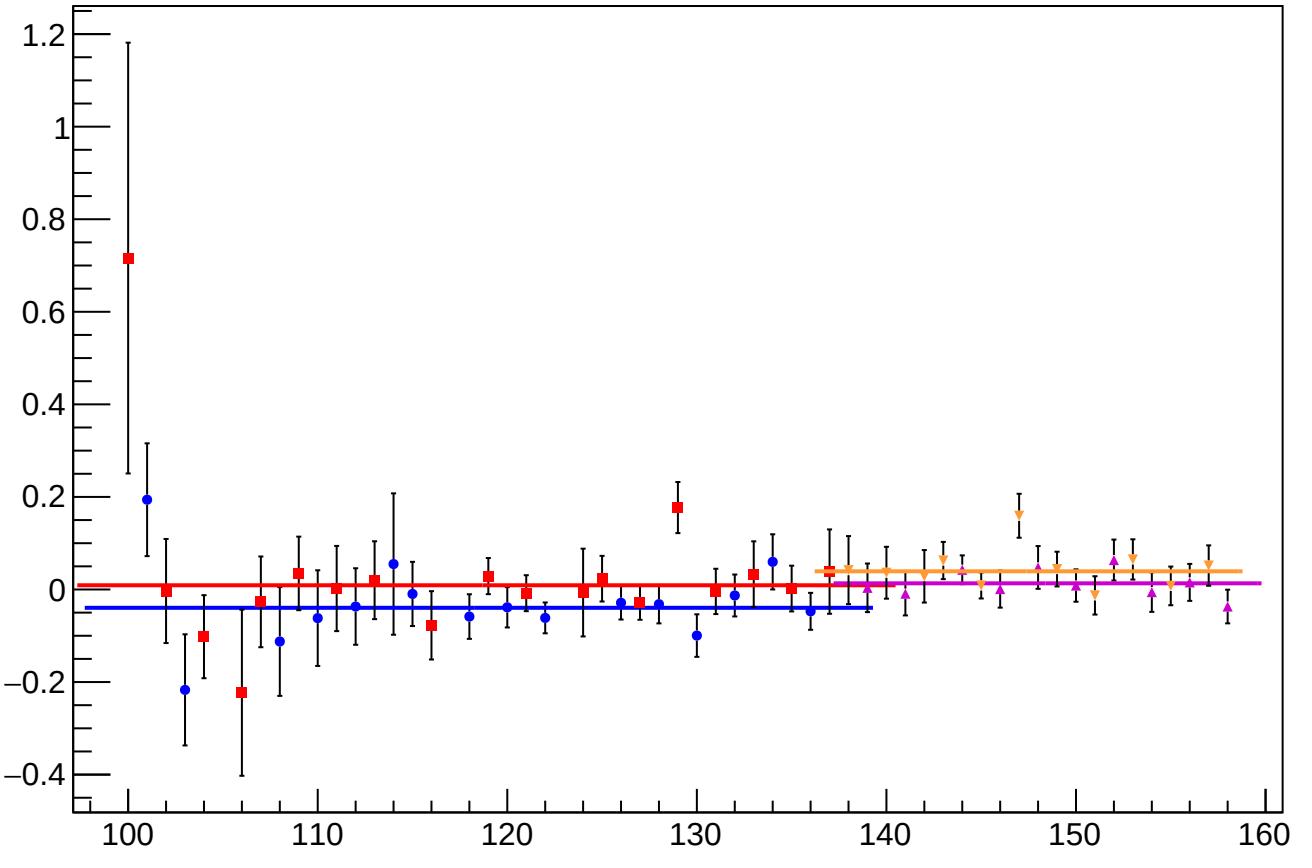
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 36.011+/-0.009 χ^2/NDF:396767.3/9

+ sign 34.092+/-0.007 χ^2/NDF: 3188212.1/26

All: 34.836+/-0.005 χ^2/NDF: 5460675.9/55

- sign 35.623+/-0.007 χ^2/NDF: 2245531.9/28



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.039+/-0.013 χ^2/NDF:10.5/10

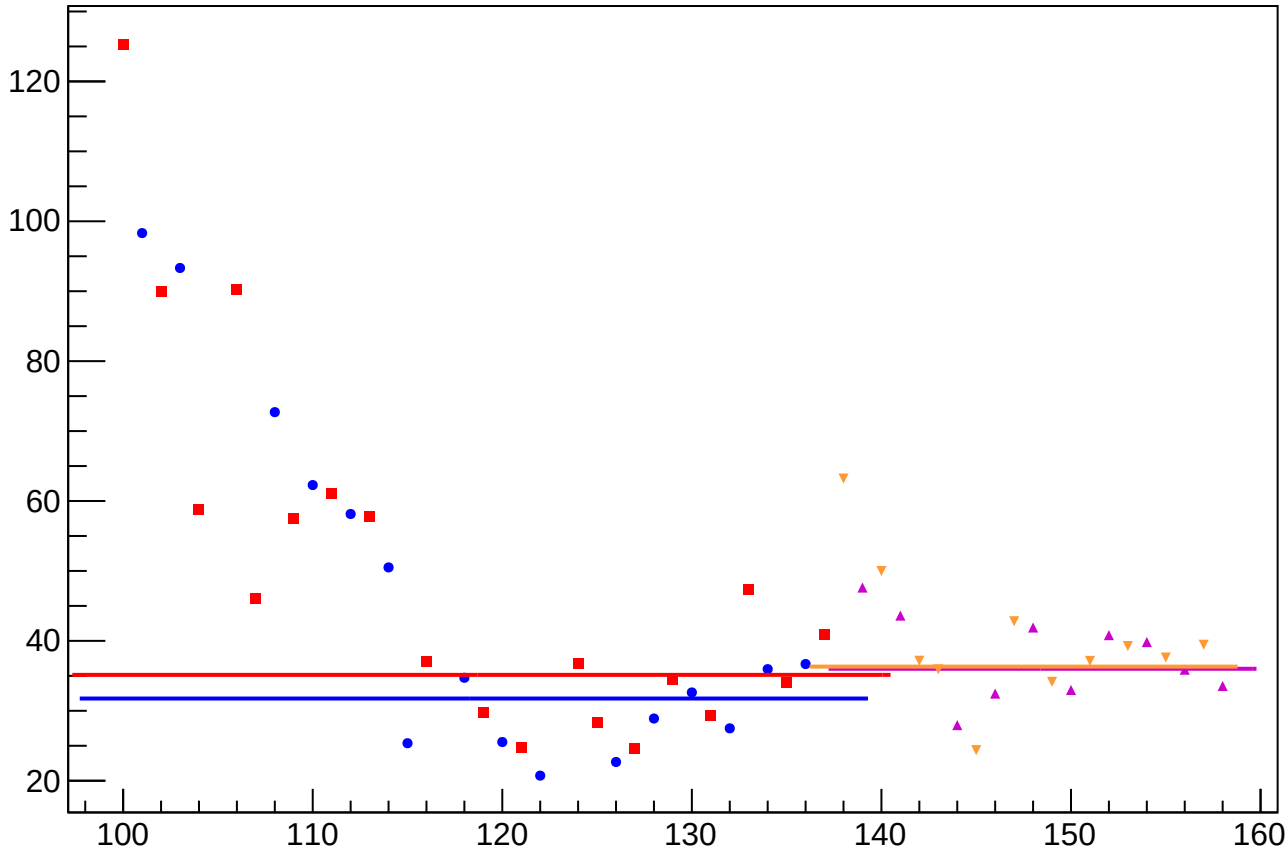
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.013+/-0.013 χ^2/NDF:5.2/9

+ sign 0.001+/-0.009 χ^2/NDF: 41.4/26

All: 0.006+/-0.007 χ^2/NDF: 65.5/55

- sign 0.011+/-0.009 χ^2/NDF: 23.6/28



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 36.319+/-0.009 χ^2/NDF:812749.2/10

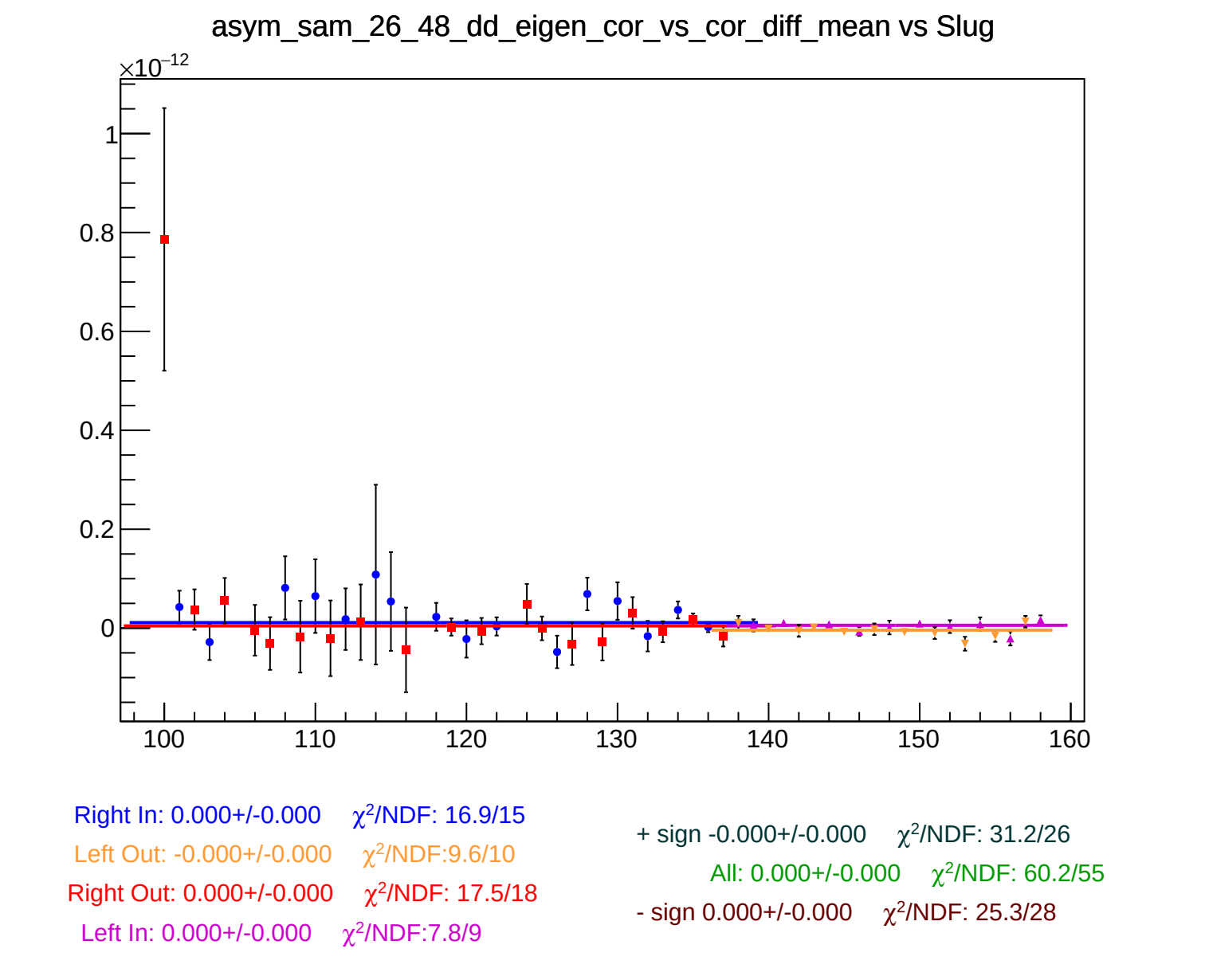
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

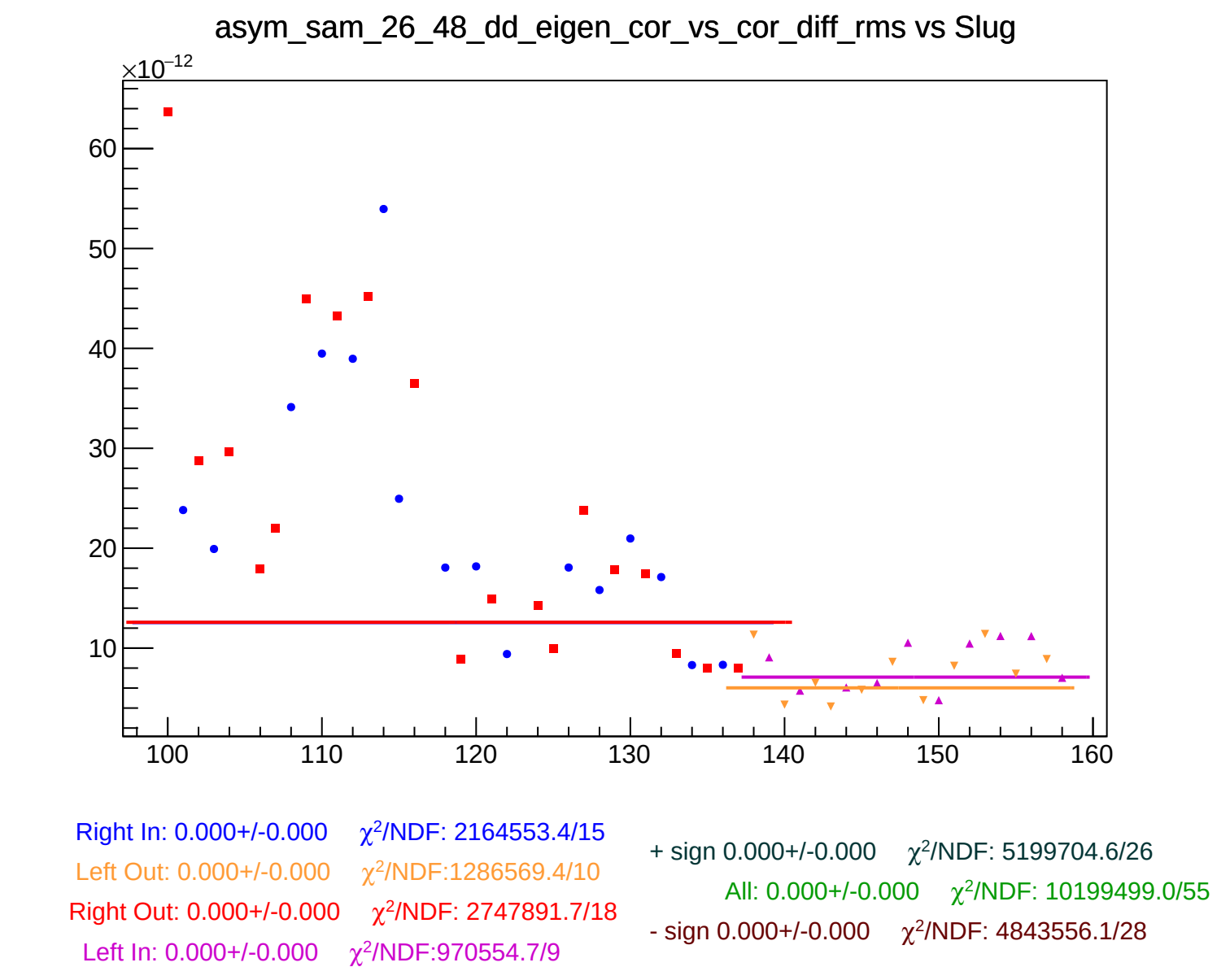
Left In: 36.011+/-0.009 χ^2/NDF:396767.3/9

\+ sign 34.092+/-0.007 χ^2/NDF: 3188212.1/26

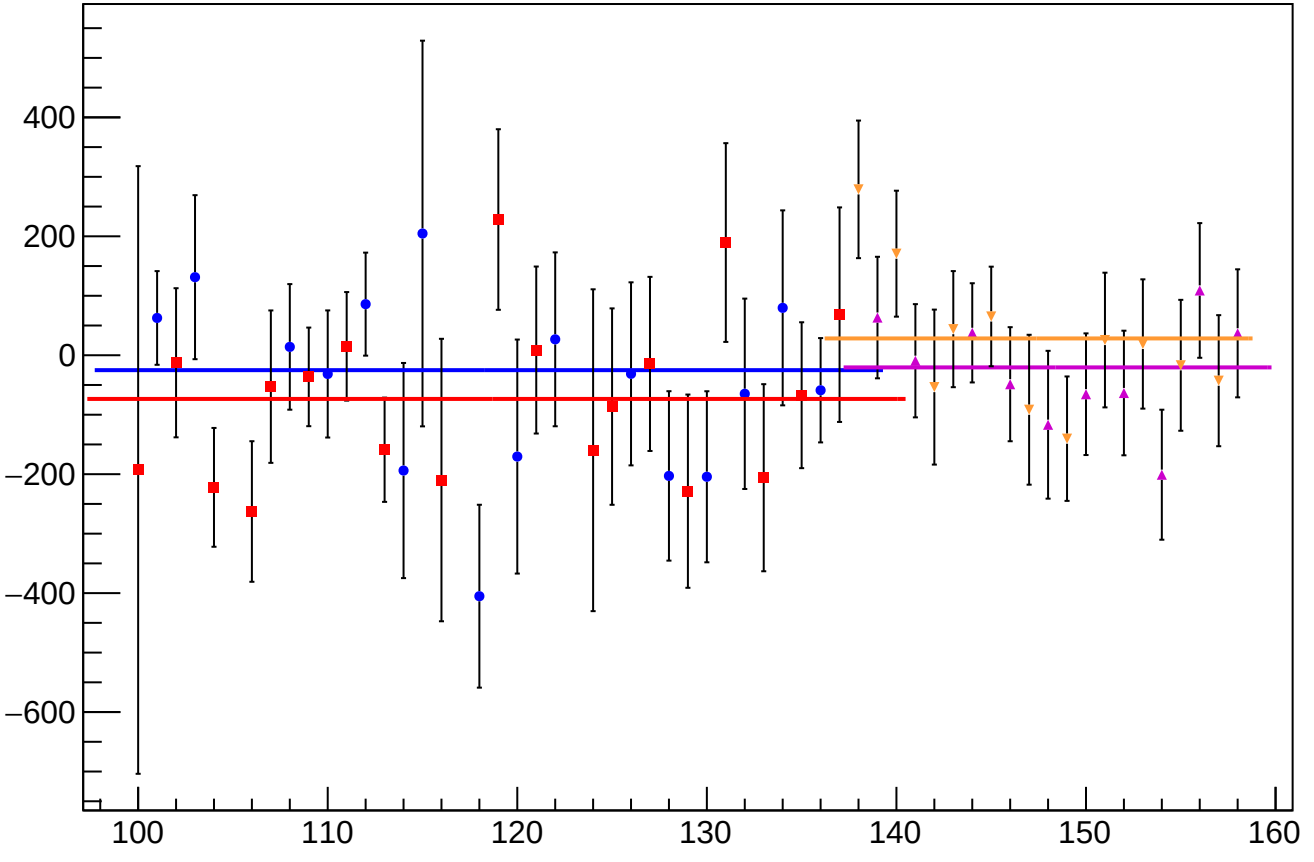
All: 34.836+/-0.005 χ^2/NDF: 5460675.9/55

\- sign 35.623+/-0.007 χ^2/NDF: 2245531.9/28


asym_sam_26_48_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
1
0.8
0.6
0.4
0.2
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 16.9/15
Left Out: -0.000+/-0.000 χ²/NDF:9.6/10
Right Out: 0.000+/-0.000 χ²/NDF: 17.5/18
Left In: 0.000+/-0.000 χ²/NDF:7.8/9
+ sign -0.000+/-0.000 χ²/NDF: 31.2/26
All: 0.000+/-0.000 χ²/NDF: 60.2/55
- sign 0.000+/-0.000 χ²/NDF: 25.3/28


asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2164553.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1286569.4/10
Right Out: 0.000+/-0.000 χ²/NDF: 2747891.7/18
Left In: 0.000+/-0.000 χ²/NDF:970554.7/9
+ sign 0.000+/-0.000 χ²/NDF: 5199704.6/26
All: 0.000+/-0.000 χ²/NDF: 10199499.0/55
- sign 0.000+/-0.000 χ²/NDF: 4843556.1/28

reg_asym_sam_1548_avg_mean vs Slug



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 28.265+/-32.407 χ^2/NDF:11.2/10

Right Out: -73.458+/-29.935 χ^2/NDF: 16.8/18

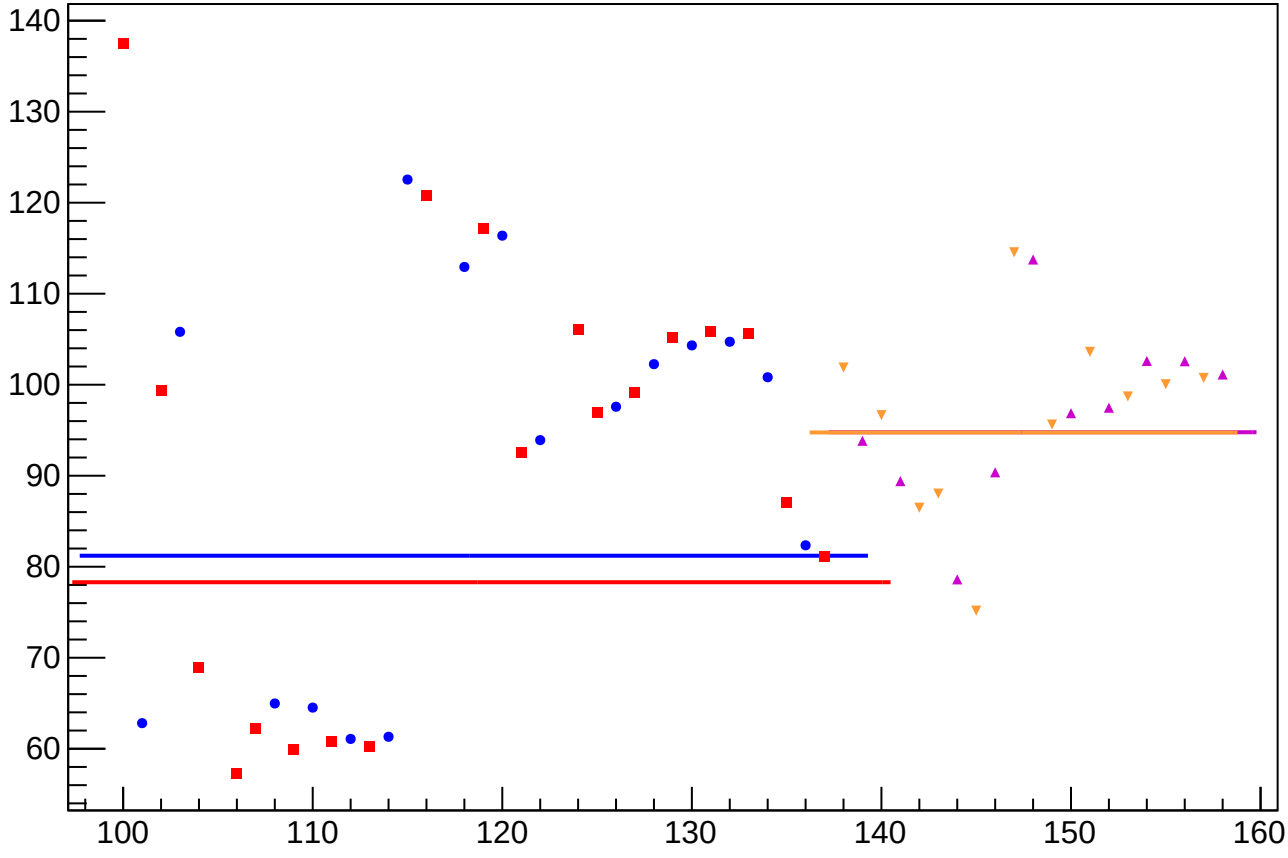
Left In: -20.439+/-32.309 χ^2/NDF:6.5/9

+ sign 0.610+/-22.488 χ^2/NDF: 28.8/26

All: -24.769+/-15.711 χ^2/NDF: 56.1/55

- sign -48.968+/-21.959 χ^2/NDF: 24.8/28

reg_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 94.754+/-0.023 χ^2/NDF:210058.1/10

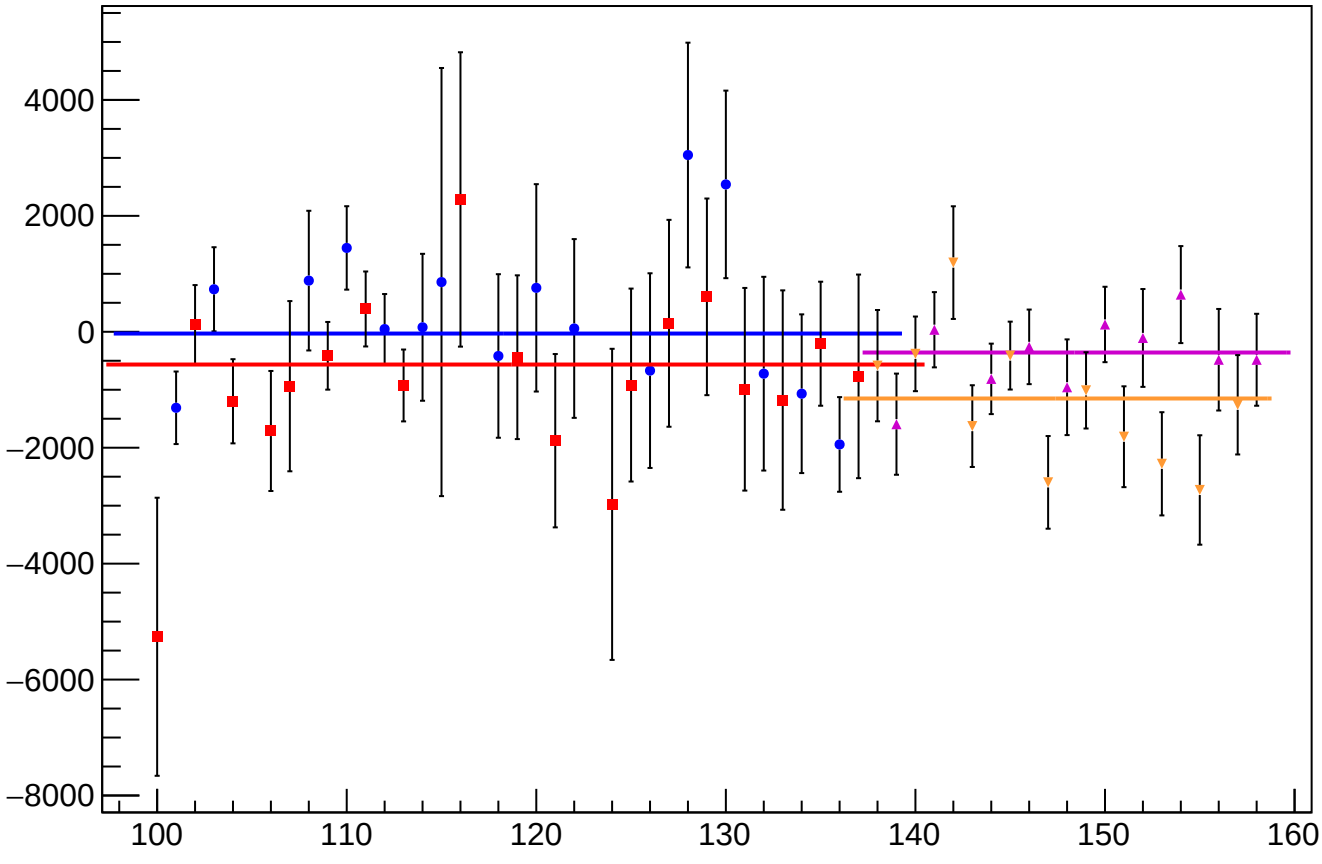
Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 94.780+/-0.023 χ^2/NDF:161388.3/9

+ sign 87.731+/-0.016 χ^2/NDF: 1178879.6/26

All: 86.800+/-0.011 χ^2/NDF: 2561703.4/55

- sign 85.911+/-0.016 χ^2/NDF: 1376114.5/28



Right In: -30.407+/-256.999 χ^2/NDF: 21.9/15

Left Out: -1150.940+/-232.960 χ^2/NDF:18.0/10

Right Out: -564.890+/-238.492 χ^2/NDF: 13.3/18

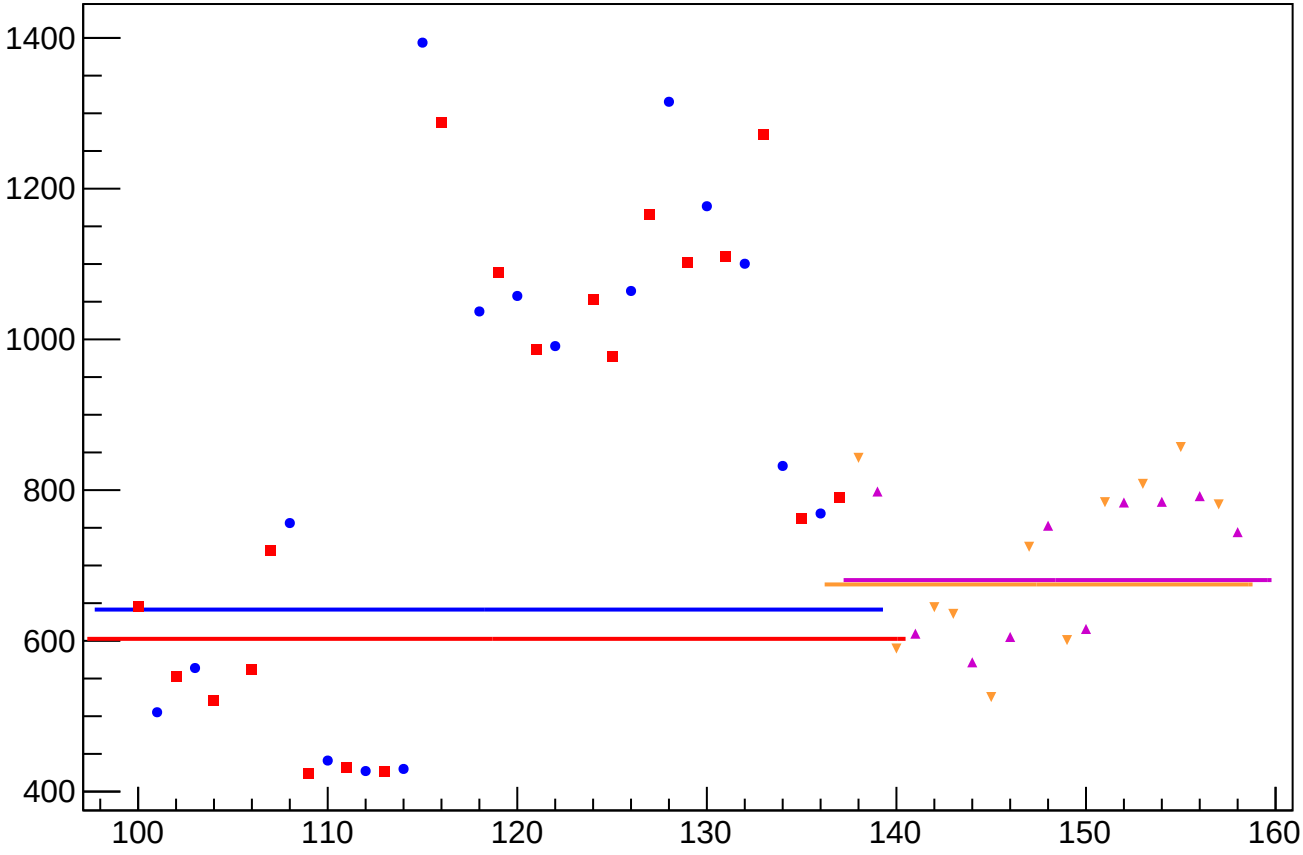
Left In: -357.805+/-233.360 χ^2/NDF:5.6/9

+ sign -645.520+/-172.602 χ^2/NDF: 50.3/26

All: -549.119+/-119.942 χ^2/NDF: 70.1/55

- sign -459.096+/-166.795 χ^2/NDF: 19.3/28

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 674.851+/-0.165 χ^2/NDF:449167.9/10

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

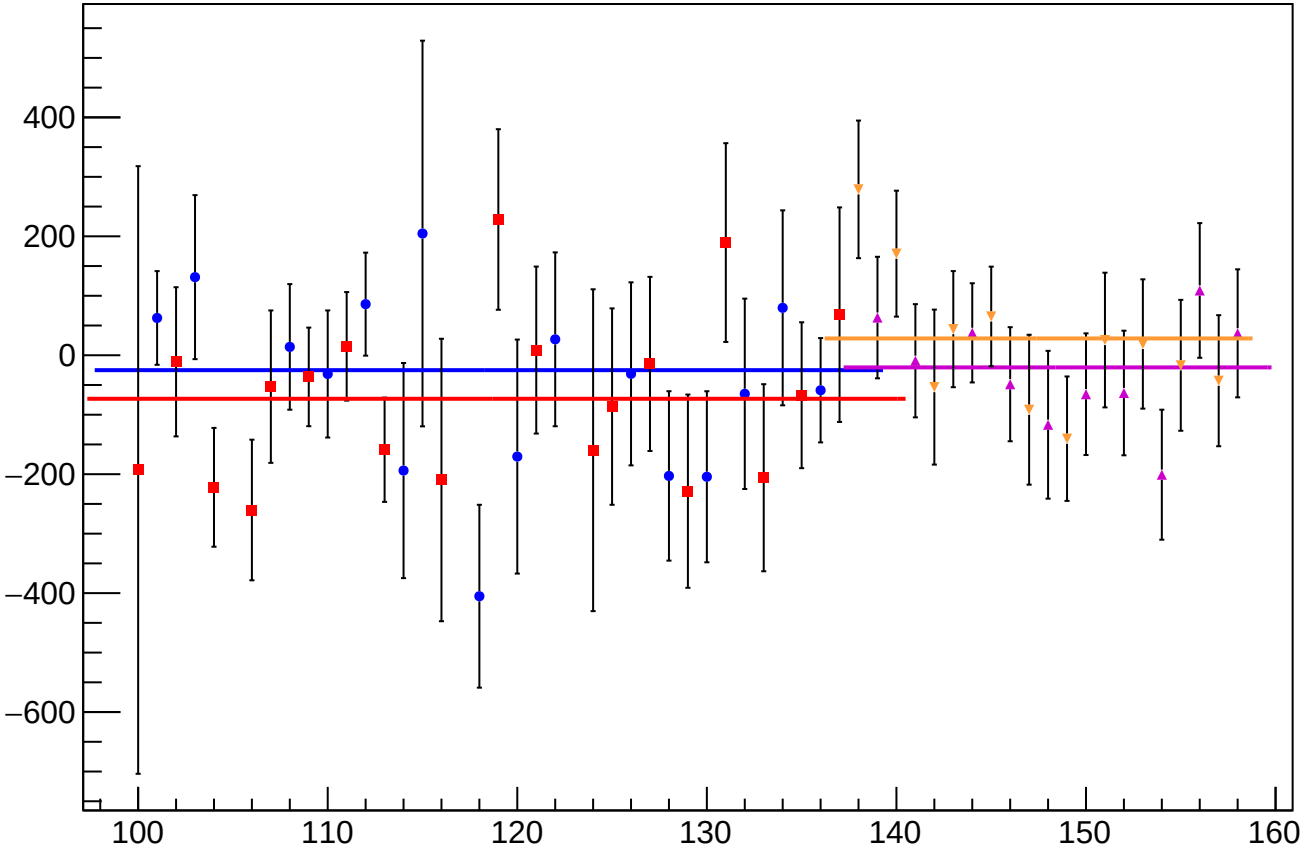
Left In: 680.630+/-0.165 χ^2/NDF:293164.8/9

+ sign 659.807+/-0.122 χ^2/NDF: 2342649.6/26

All: 650.852+/-0.085 χ^2/NDF: 4825758.7/55

- sign 642.490+/-0.118 χ^2/NDF: 2472698.3/28

cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 28.268+/-32.407 χ^2/NDF:11.2/10

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

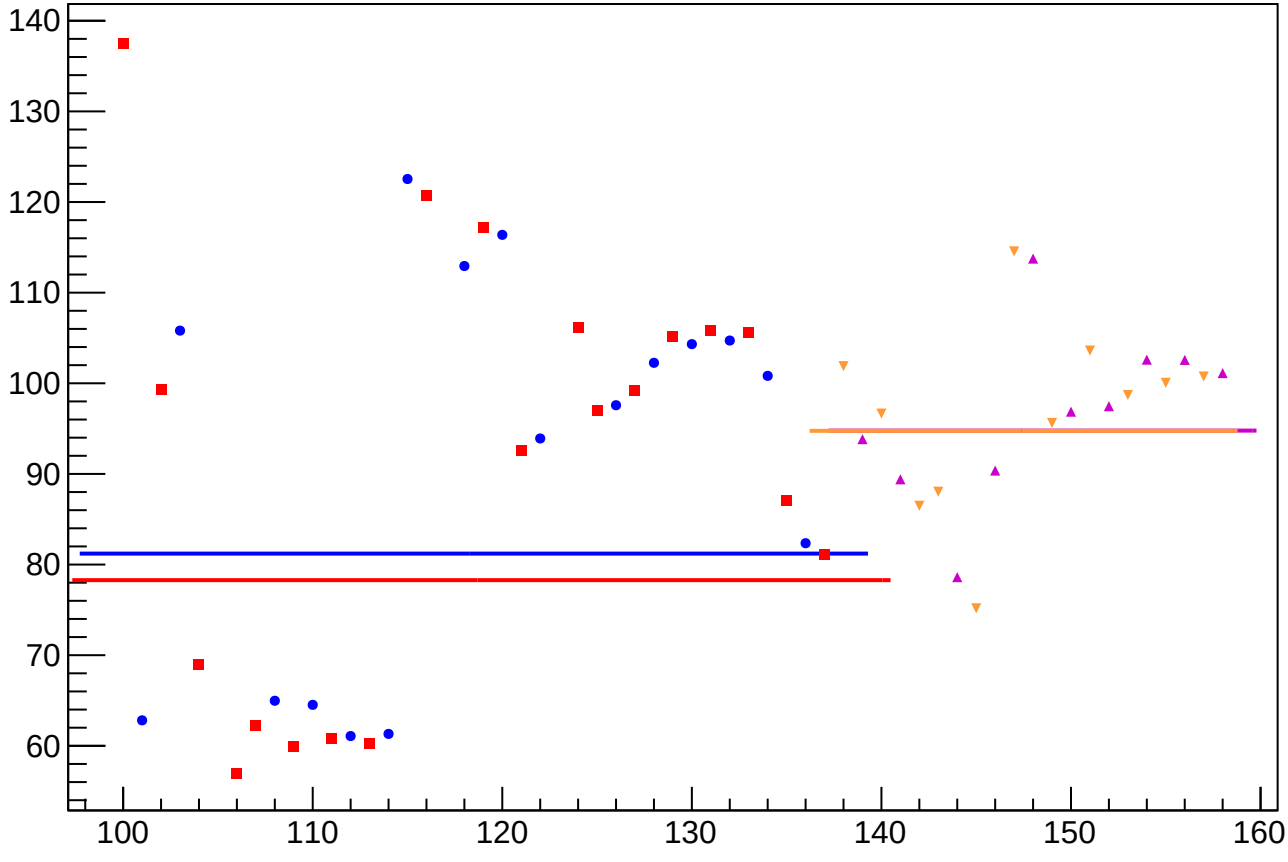
Left In: -20.440+/-32.309 χ^2/NDF:6.5/9

+ sign 0.610+/-22.488 χ^2/NDF: 28.8/26

All: -24.695+/-15.711 χ^2/NDF: 56.0/55

- sign -48.824+/-21.959 χ^2/NDF: 24.7/28

cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 94.754+/-0.023 χ^2/NDF:210058.1/10

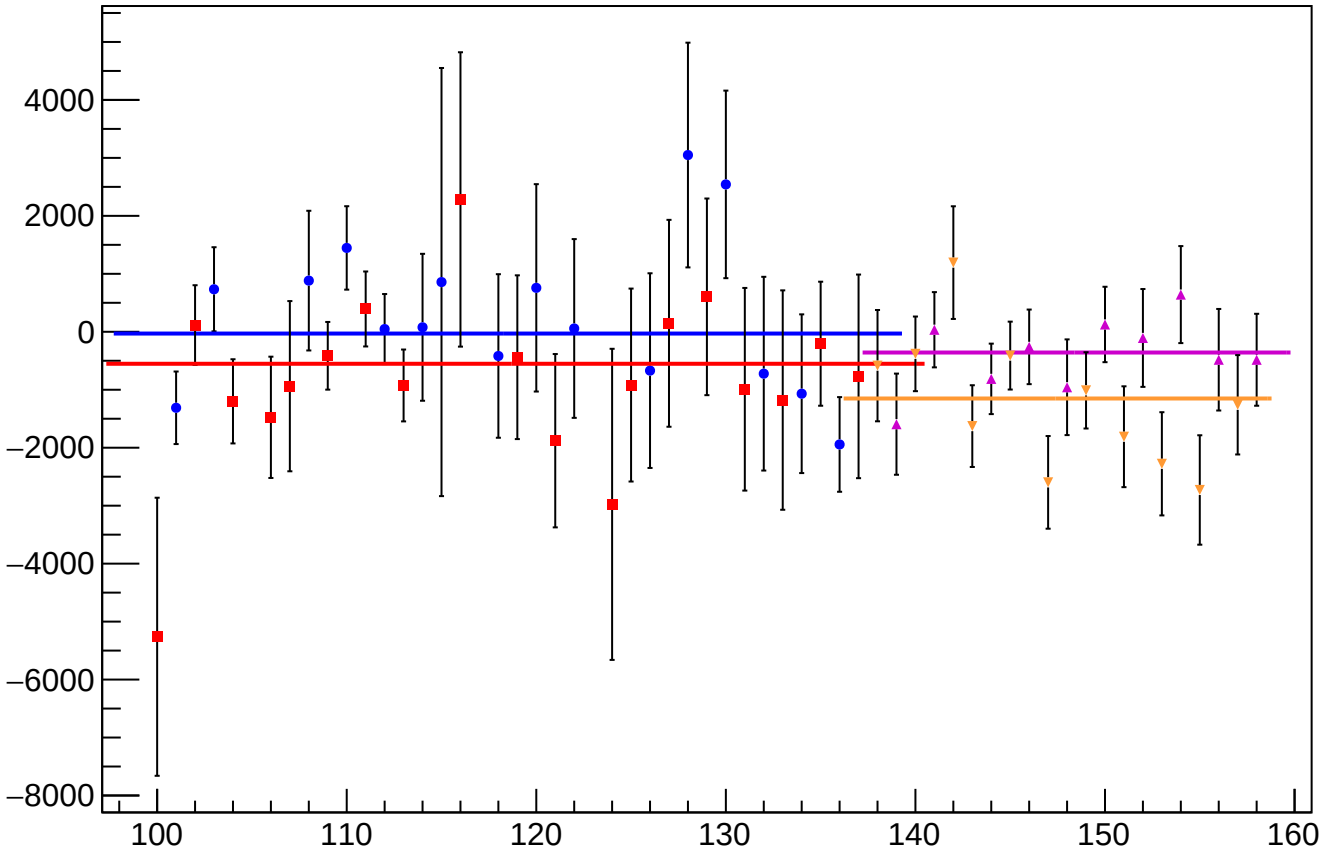
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 94.780+/-0.023 χ^2/NDF:161388.3/9

+ sign 87.731+/-0.016 χ^2/NDF: 1178881.4/26

All: 86.795+/-0.011 χ^2/NDF: 2564532.0/55

- sign 85.901+/-0.016 χ^2/NDF: 1378871.0/28



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -1150.937+/-232.960 χ^2/NDF:18.0/10

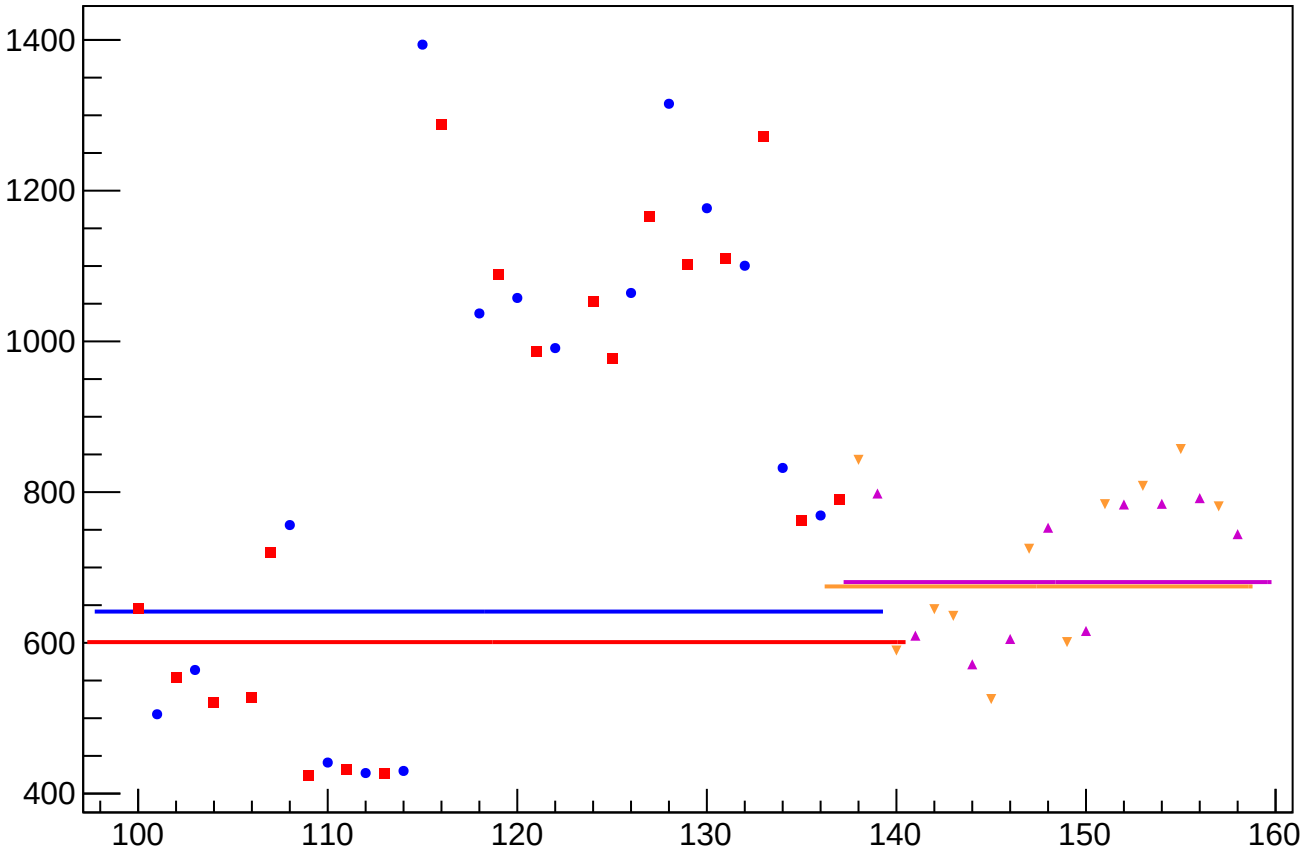
Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: -357.810+/-233.360 χ^2/NDF:5.6/9

+ sign -645.537+/-172.603 χ^2/NDF: 50.3/26

All: -545.853+/-119.962 χ^2/NDF: 69.7/55

- sign -452.708+/-166.846 χ^2/NDF: 18.8/28



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 674.851+/-0.165 χ^2/NDF:449169.7/10

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

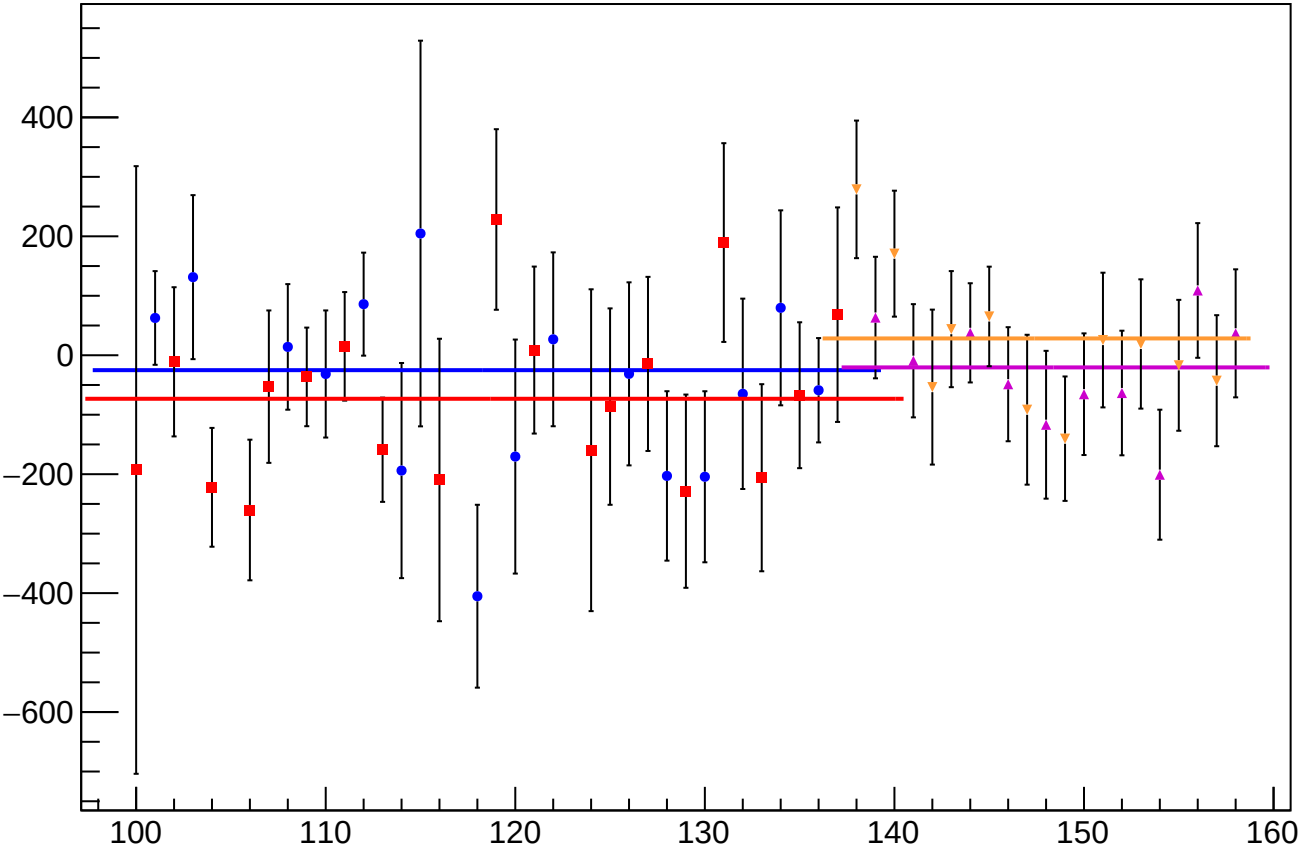
Left In: 680.630+/-0.165 χ^2/NDF:293162.7/9

+ sign 659.812+/-0.122 χ^2/NDF: 2342600.5/26

All: 650.446+/-0.085 χ^2/NDF: 4838293.6/55

- sign 641.694+/-0.118 χ^2/NDF: 2484301.3/28

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 28.268+/-32.407 χ^2/NDF:11.2/10

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

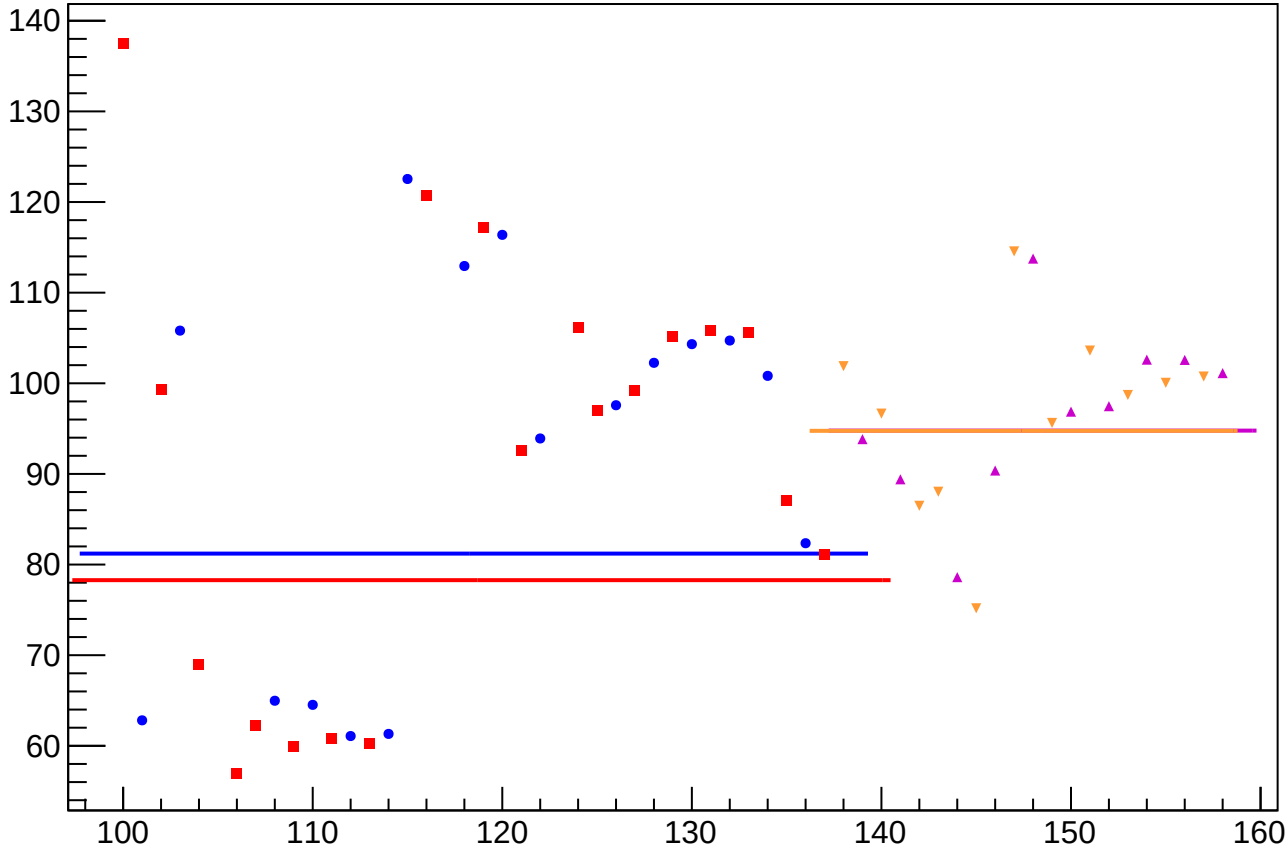
Left In: -20.440+/-32.309 χ^2/NDF:6.5/9

+ sign 0.610+/-22.488 χ^2/NDF: 28.8/26

All: -24.695+/-15.711 χ^2/NDF: 56.0/55

- sign -48.824+/-21.959 χ^2/NDF: 24.7/28

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 94.754+/-0.023 χ^2/NDF:210058.1/10

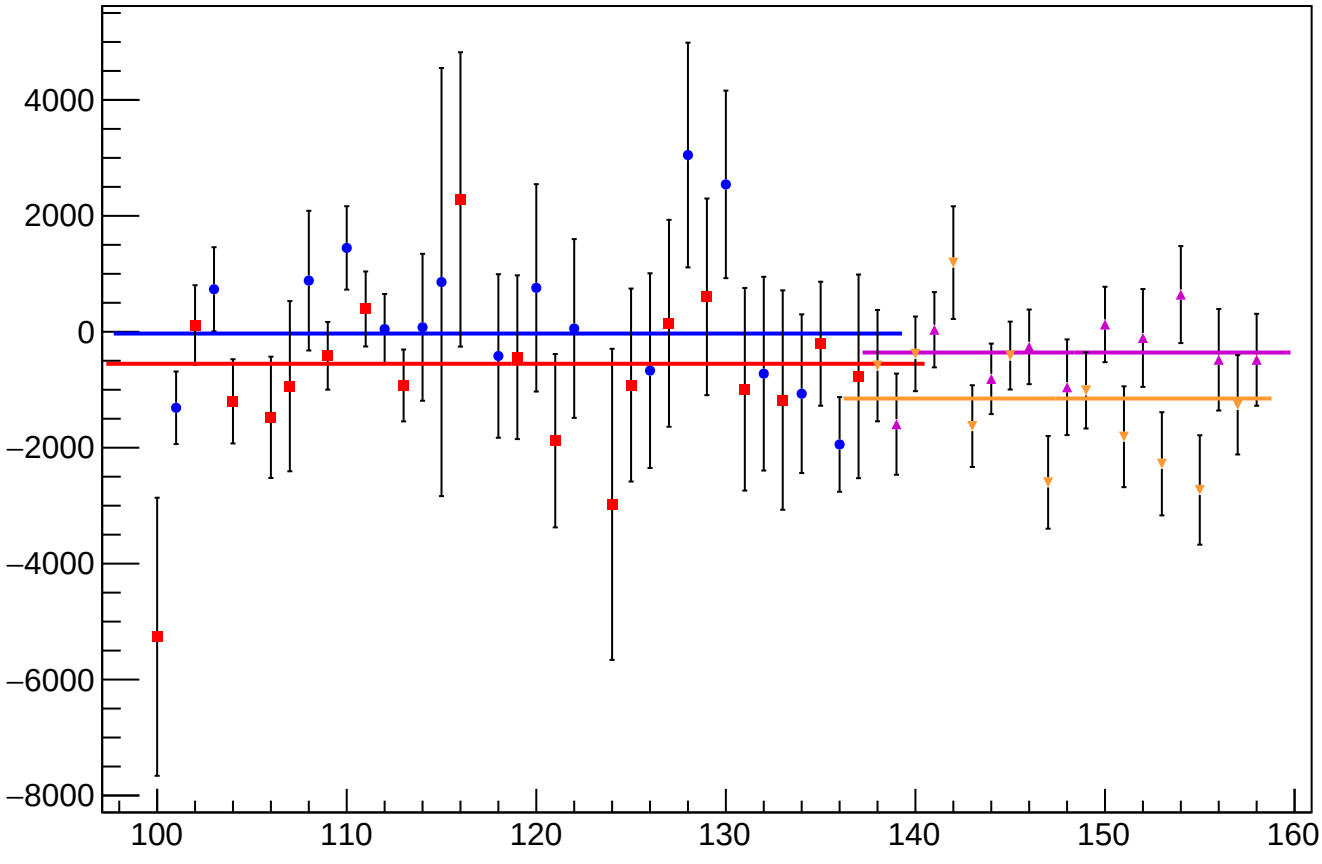
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 94.780+/-0.023 χ^2/NDF:161388.3/9

+ sign 87.731+/-0.016 χ^2/NDF: 1178881.4/26

All: 86.795+/-0.011 χ^2/NDF: 2564532.0/55

- sign 85.901+/-0.016 χ^2/NDF: 1378871.0/28



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -1150.937+/-232.960 χ^2/NDF:18.0/10

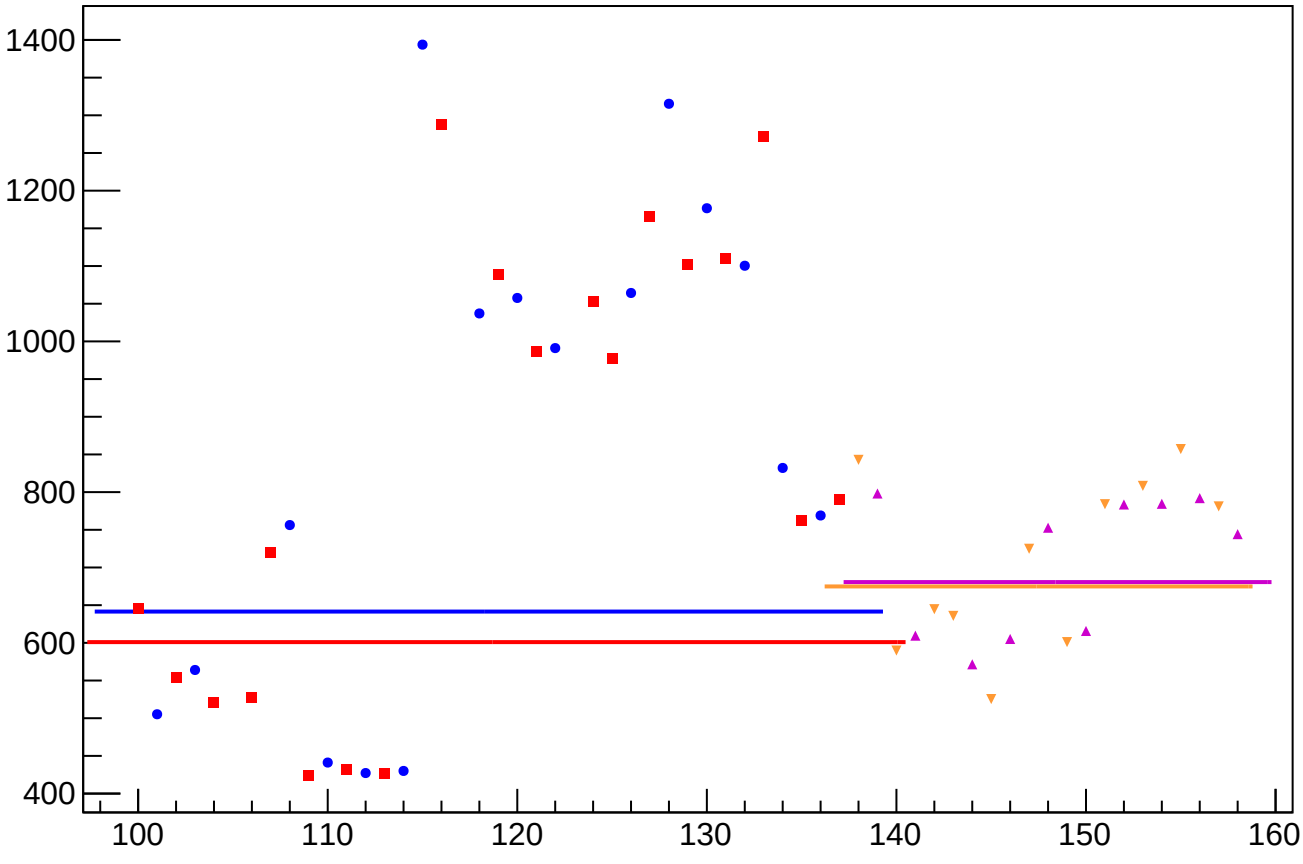
Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: -357.810+/-233.360 χ^2/NDF:5.6/9

\+ sign -645.537+/-172.603 χ^2/NDF: 50.3/26

All: -545.853+/-119.962 χ^2/NDF: 69.7/55

\- sign -452.708+/-166.846 χ^2/NDF: 18.8/28



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 674.851+/-0.165 χ^2/NDF:449169.7/10

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

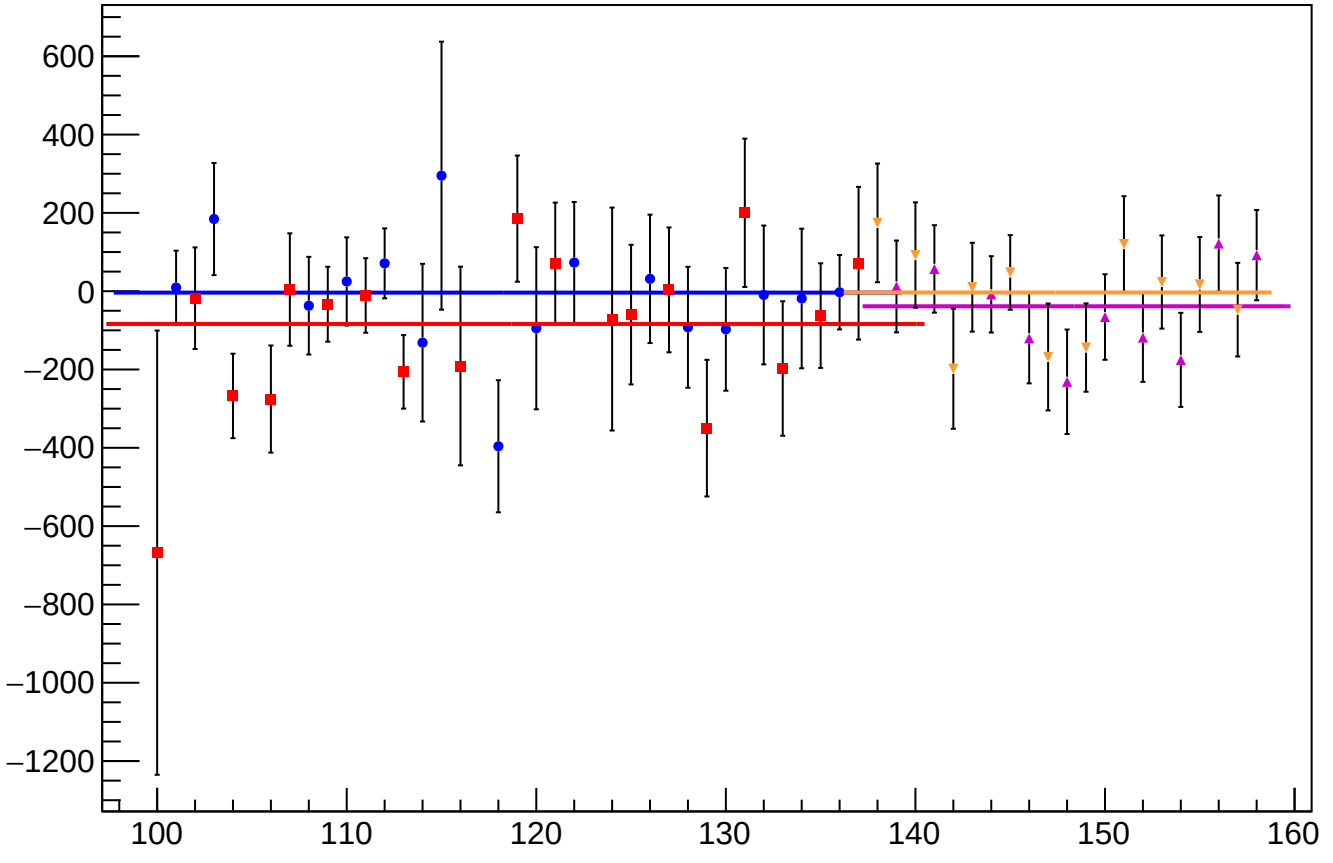
Left In: 680.630+/-0.165 χ^2/NDF:293162.7/9

+ sign 659.812+/-0.122 χ^2/NDF: 2342600.5/26

All: 650.446+/-0.085 χ^2/NDF: 4838293.6/55

- sign 641.694+/-0.118 χ^2/NDF: 2484301.3/28

dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: -3.277+/-36.840 χ^2/NDF:8.0/10

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

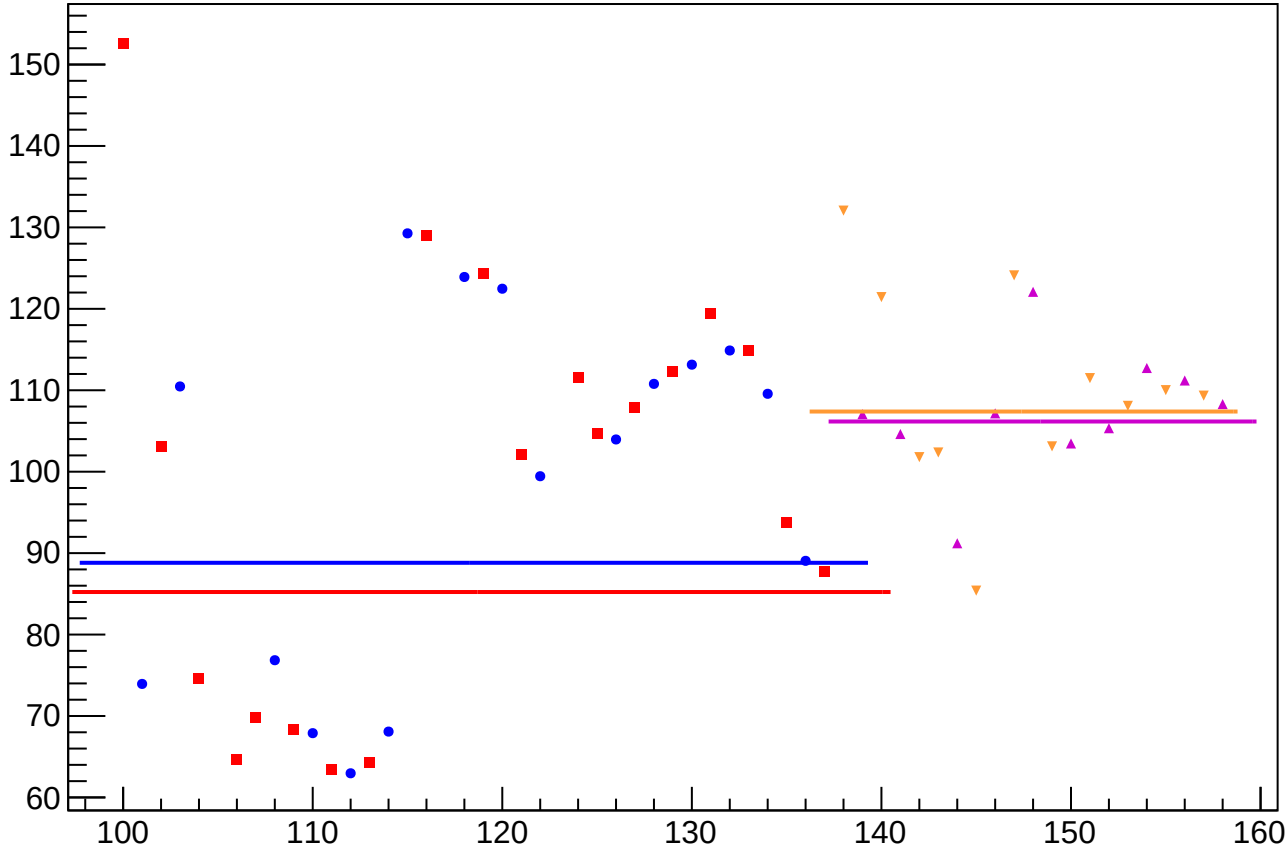
Left In: -38.484+/-36.223 χ^2/NDF:8.4/9

+ sign -3.470+/-25.046 χ^2/NDF: 18.4/26

All: -34.424+/-17.420 χ^2/NDF: 49.7/55

- sign -63.431+/-24.245 χ^2/NDF: 28.4/28

dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 107.388+/-0.026 χ^2/NDF:224651.6/10

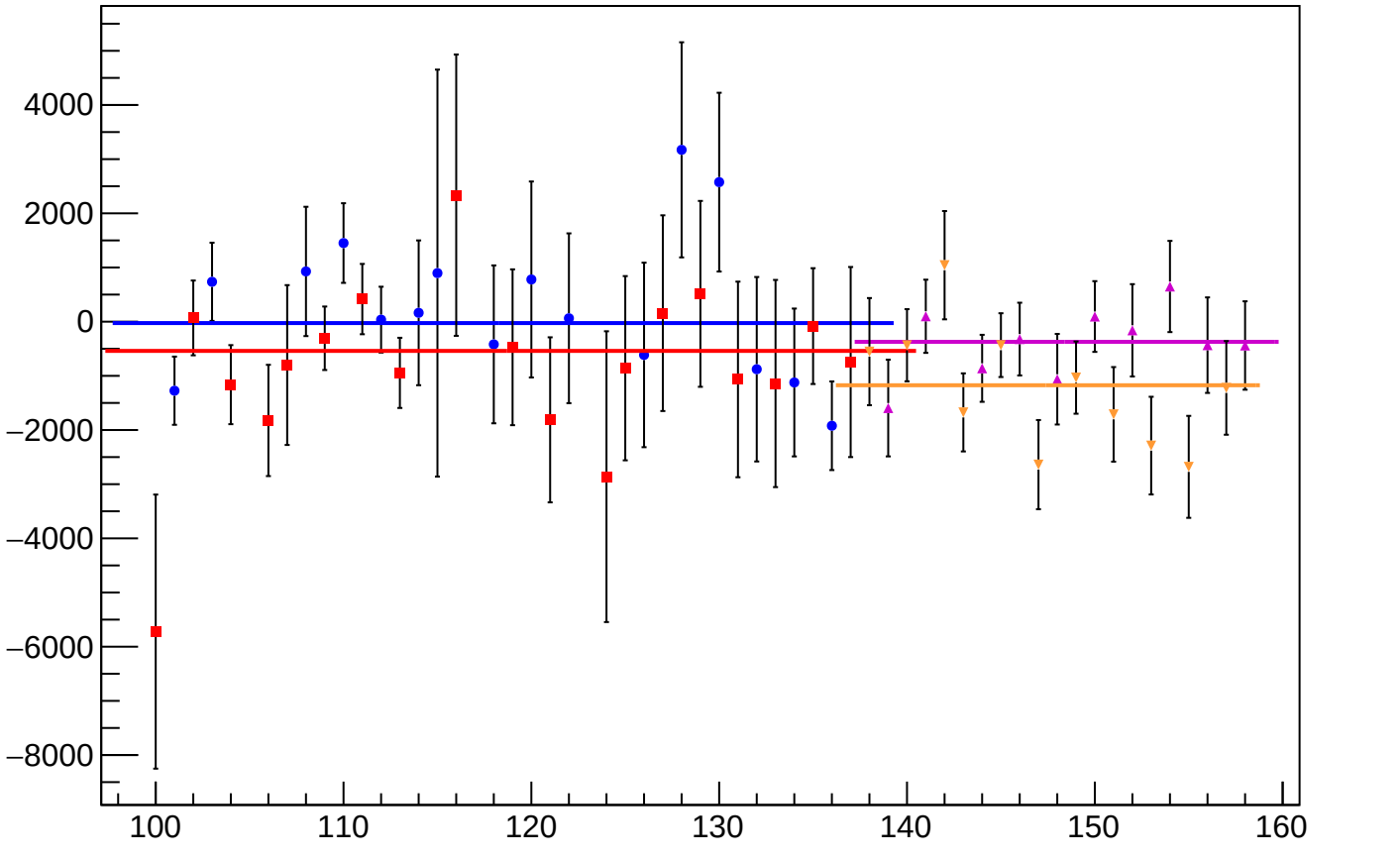
Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

Left In: 106.163+/-0.026 χ^2/NDF:87552.8/9

\+ sign 97.399+/-0.018 χ^2/NDF: 1222712.3/26

All: 95.956+/-0.012 χ^2/NDF: 2576060.2/55

\- sign 94.605+/-0.017 χ^2/NDF: 1340500.6/28



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -1173.508+/-236.845 χ^2/NDF:16.3/10

Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

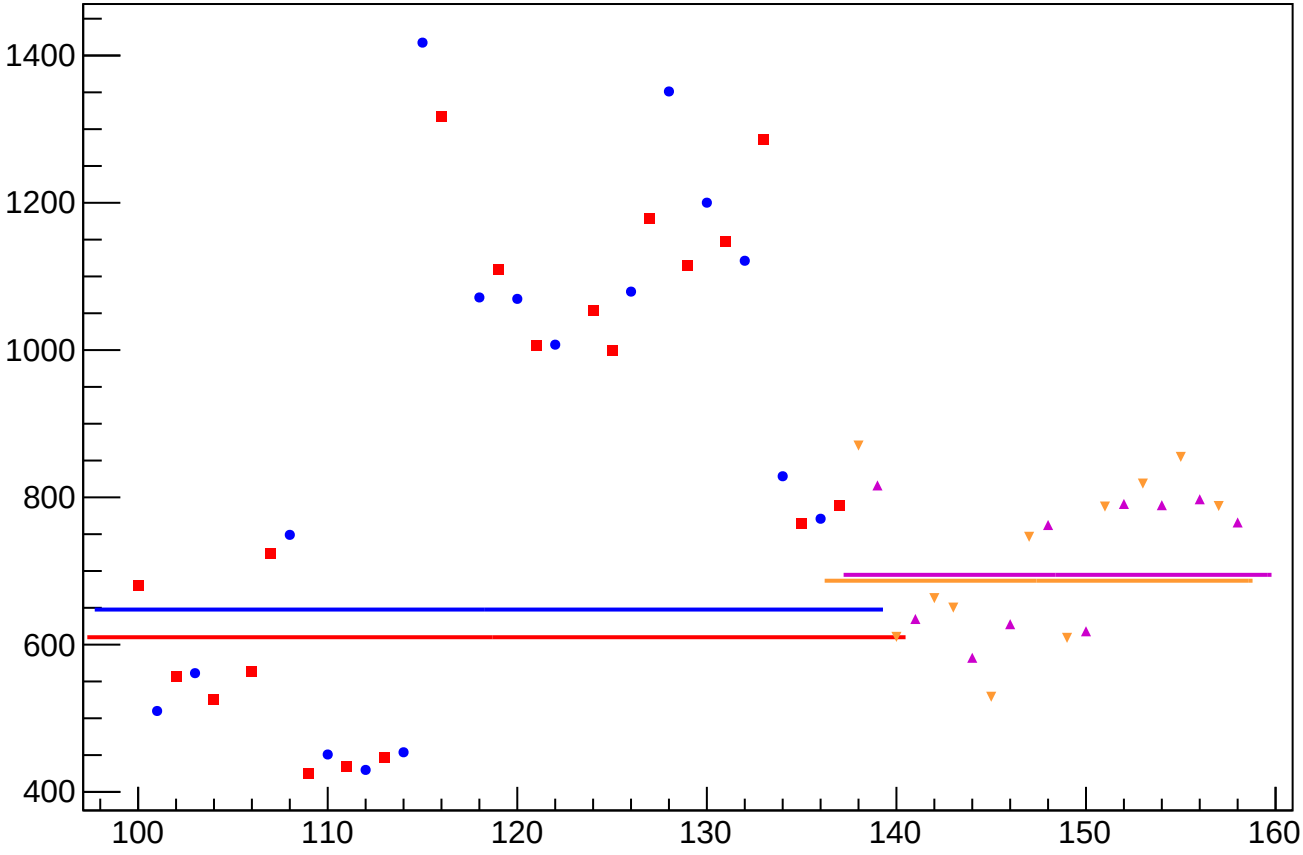
Left In: -372.308+/-238.136 χ^2/NDF:5.7/9

\+ sign -651.701+/-174.906 χ^2/NDF: 48.5/26

All: -550.191+/-121.711 χ^2/NDF: 68.8/55

\- sign -454.889+/-169.474 χ^2/NDF: 19.6/28

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 686.807+/-0.167 χ^2/NDF:443042.0/10

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

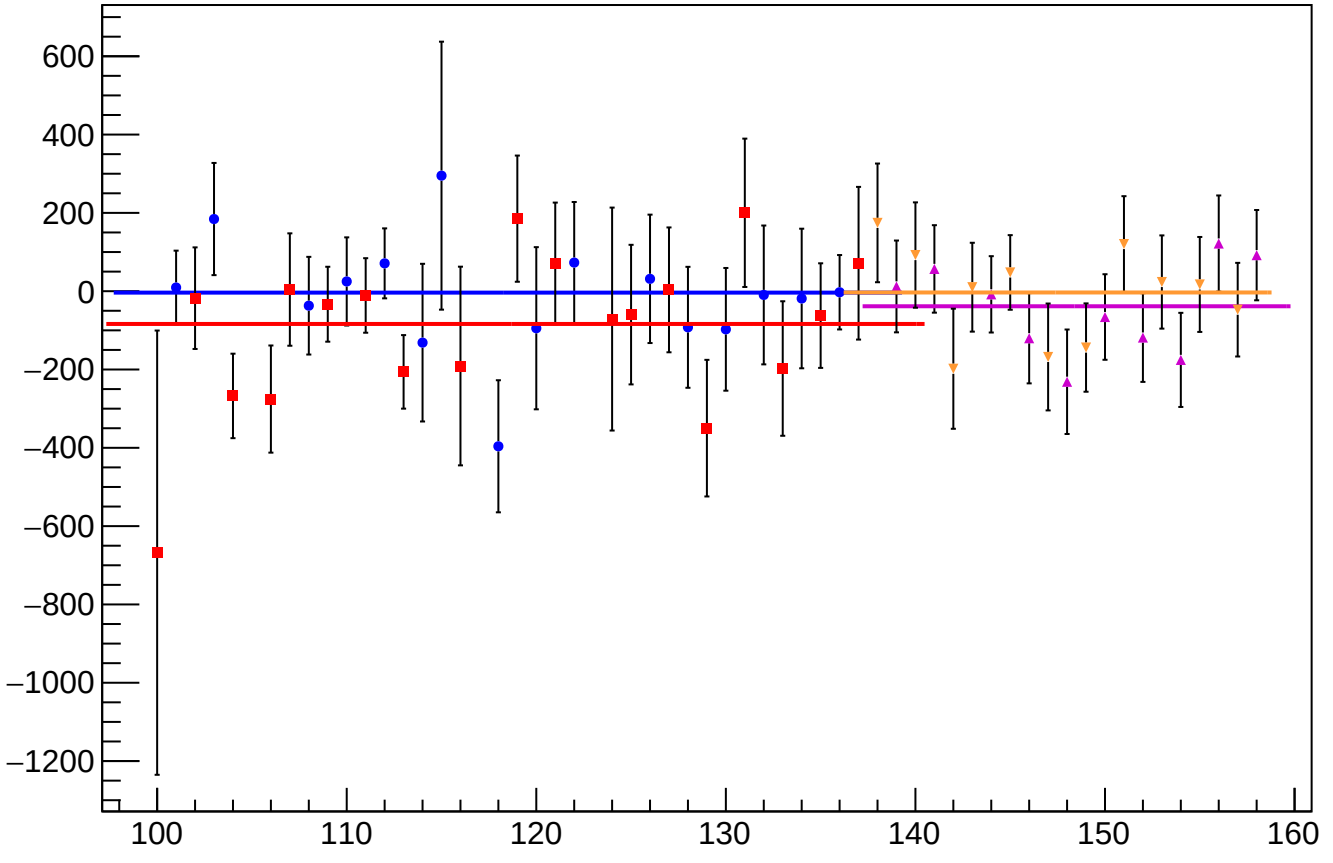
Left In: 694.795+/-0.168 χ^2/NDF:272769.1/9

+ sign 669.001+/-0.124 χ^2/NDF: 2355723.7/26

All: 660.736+/-0.086 χ^2/NDF: 4836372.0/55

- sign 652.976+/-0.120 χ^2/NDF: 2471990.1/28

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: -3.277+/-36.840 χ^2/NDF:8.0/10

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

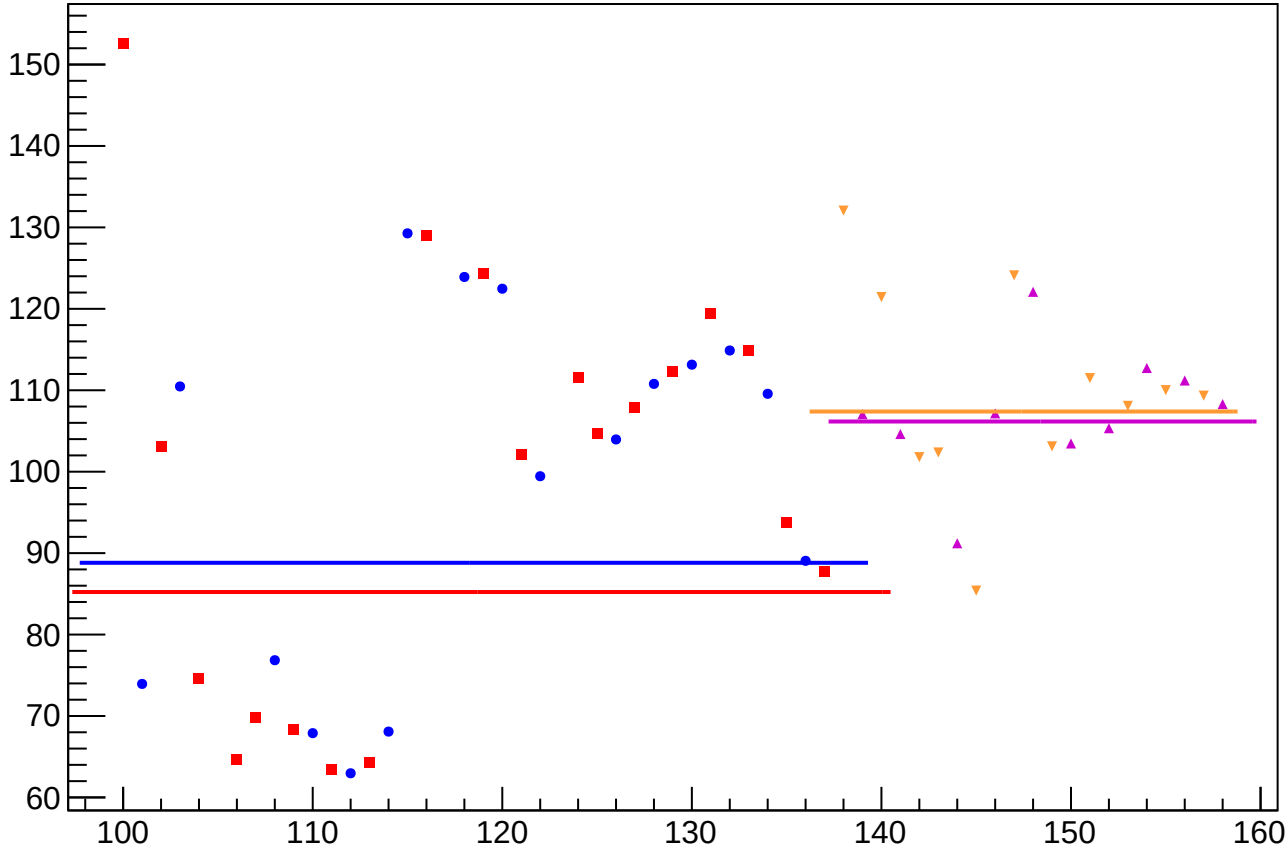
Left In: -38.485+/-36.223 χ^2/NDF:8.4/9

+ sign -3.468+/-25.046 χ^2/NDF: 18.4/26

All: -34.423+/-17.420 χ^2/NDF: 49.7/55

- sign -63.430+/-24.245 χ^2/NDF: 28.4/28

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 107.389+/-0.026 χ^2/NDF:224650.0/10

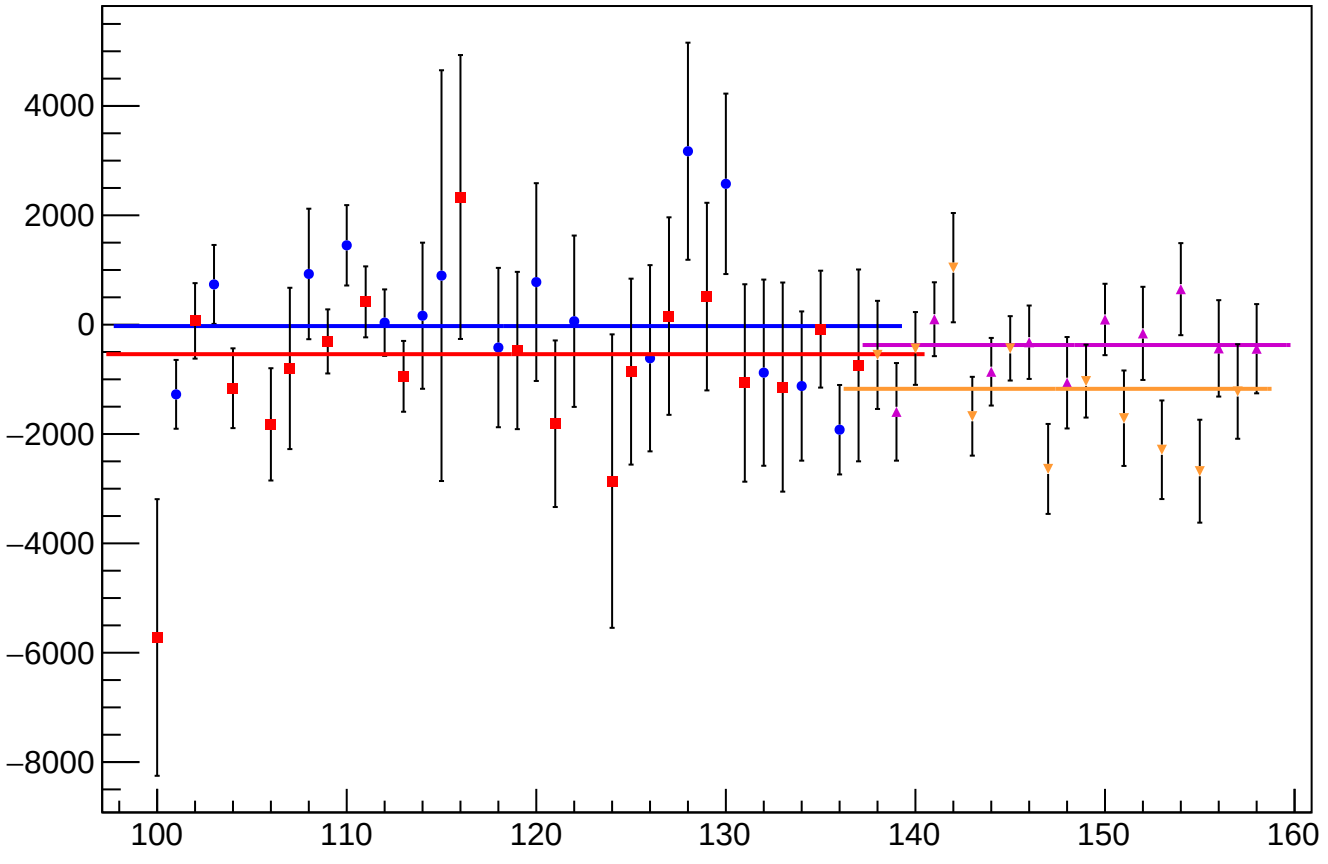
Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 106.163+/-0.026 χ^2/NDF:87552.3/9

+ sign 97.399+/-0.018 χ^2/NDF: 1222717.6/26

All: 95.957+/-0.012 χ^2/NDF: 2576075.9/55

- sign 94.605+/-0.017 χ^2/NDF: 1340510.9/28



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -1173.507+/-236.845 χ^2/NDF:16.3/10

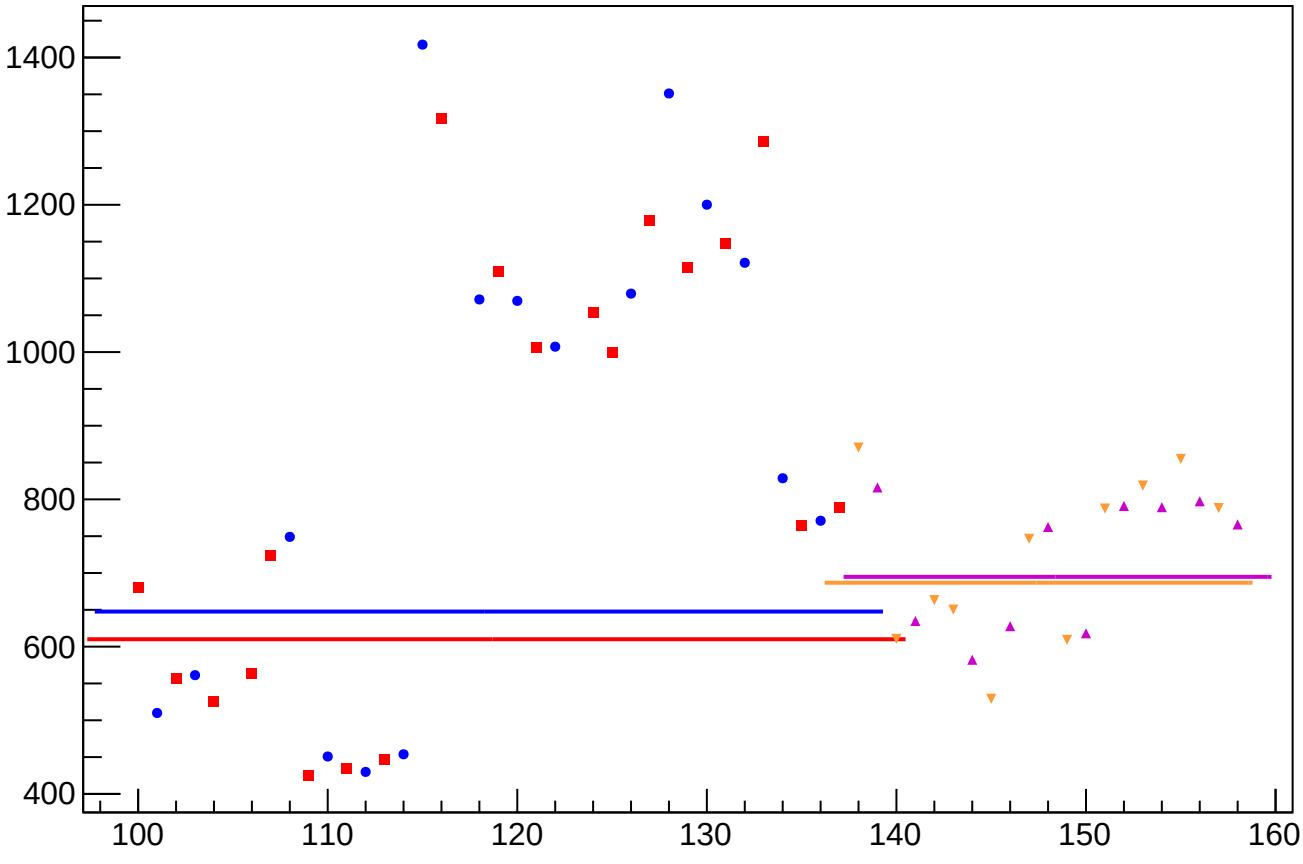
Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: -372.307+/-238.136 χ^2/NDF:5.7/9

+ sign -651.700+/-174.906 χ^2/NDF: 48.5/26

All: -550.190+/-121.711 χ^2/NDF: 68.8/55

- sign -454.888+/-169.474 χ^2/NDF: 19.6/28



Right In: 647.640+/-0.183 χ^2/NDF: 1887820.6/15

Left Out: 686.807+/-0.167 χ^2/NDF:443043.3/10

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

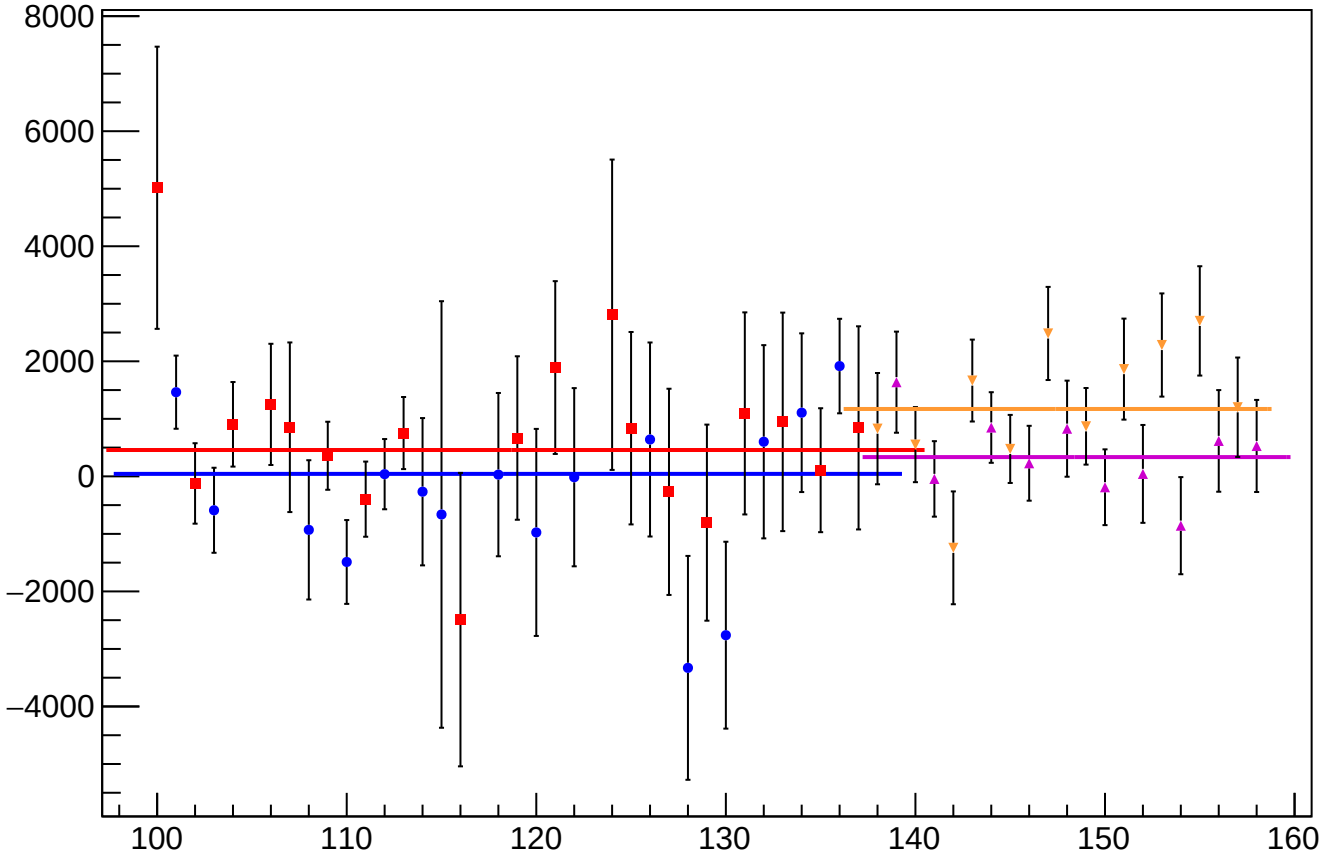
Left In: 694.795+/-0.168 χ^2/NDF:272767.2/9

+ sign 669.000+/-0.124 χ^2/NDF: 2355730.3/26

All: 660.735+/-0.086 χ^2/NDF: 4836381.4/55

- sign 652.976+/-0.120 χ^2/NDF: 2471993.1/28

asym_sam_1548_avg_mean vs Slug



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 1171.442+/-235.361 χ^2/NDF:16.5/10

Right Out: 458.111+/-241.118 χ^2/NDF: 11.3/18

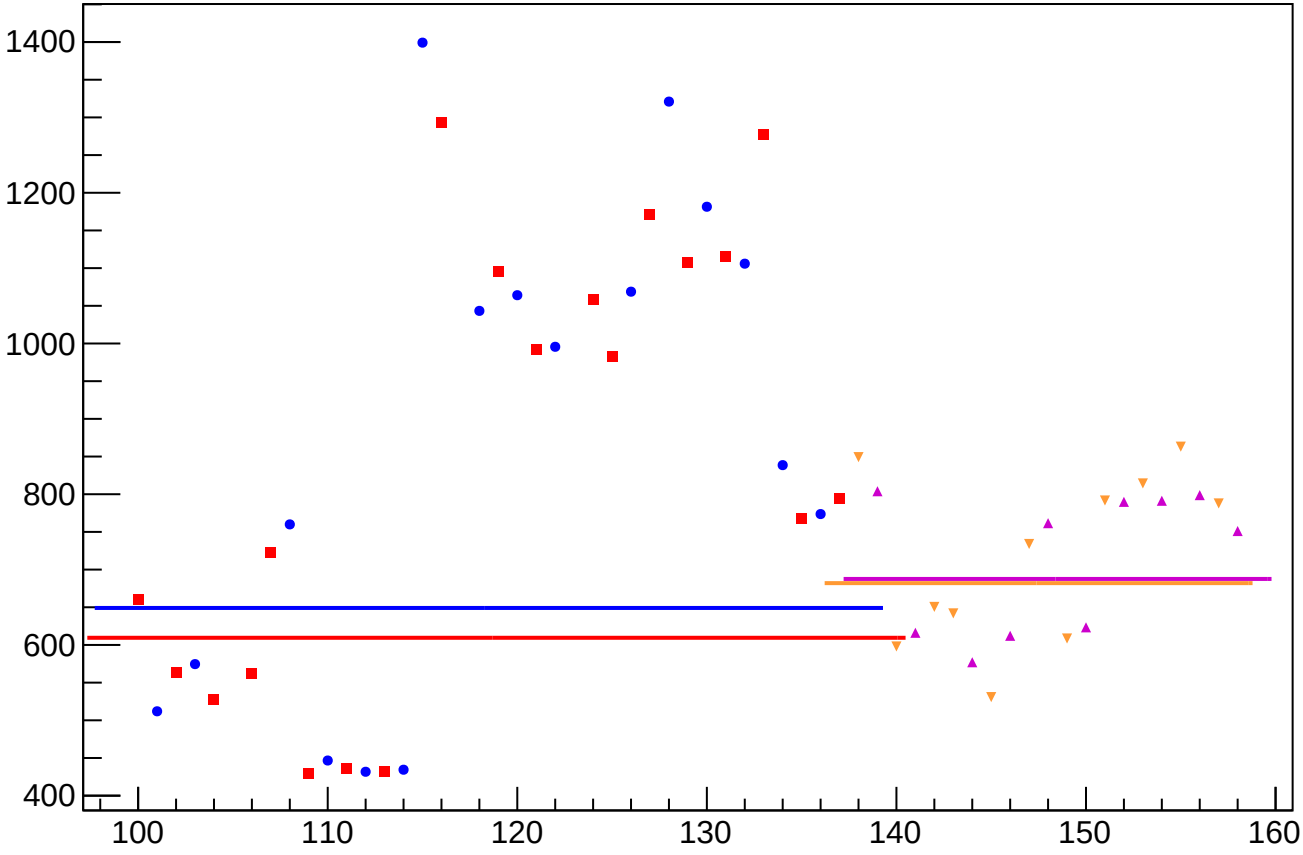
Left In: 335.078+/-235.695 χ^2/NDF:6.5/9

+ sign 662.842+/-174.426 χ^2/NDF: 50.1/26

All: 524.431+/-121.205 χ^2/NDF: 69.2/55

- sign 395.195+/-168.546 χ^2/NDF: 17.9/28

asym_sam_1548_avg_rms vs Slug



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 682.020+/-0.166 χ^2/NDF:441816.5/10

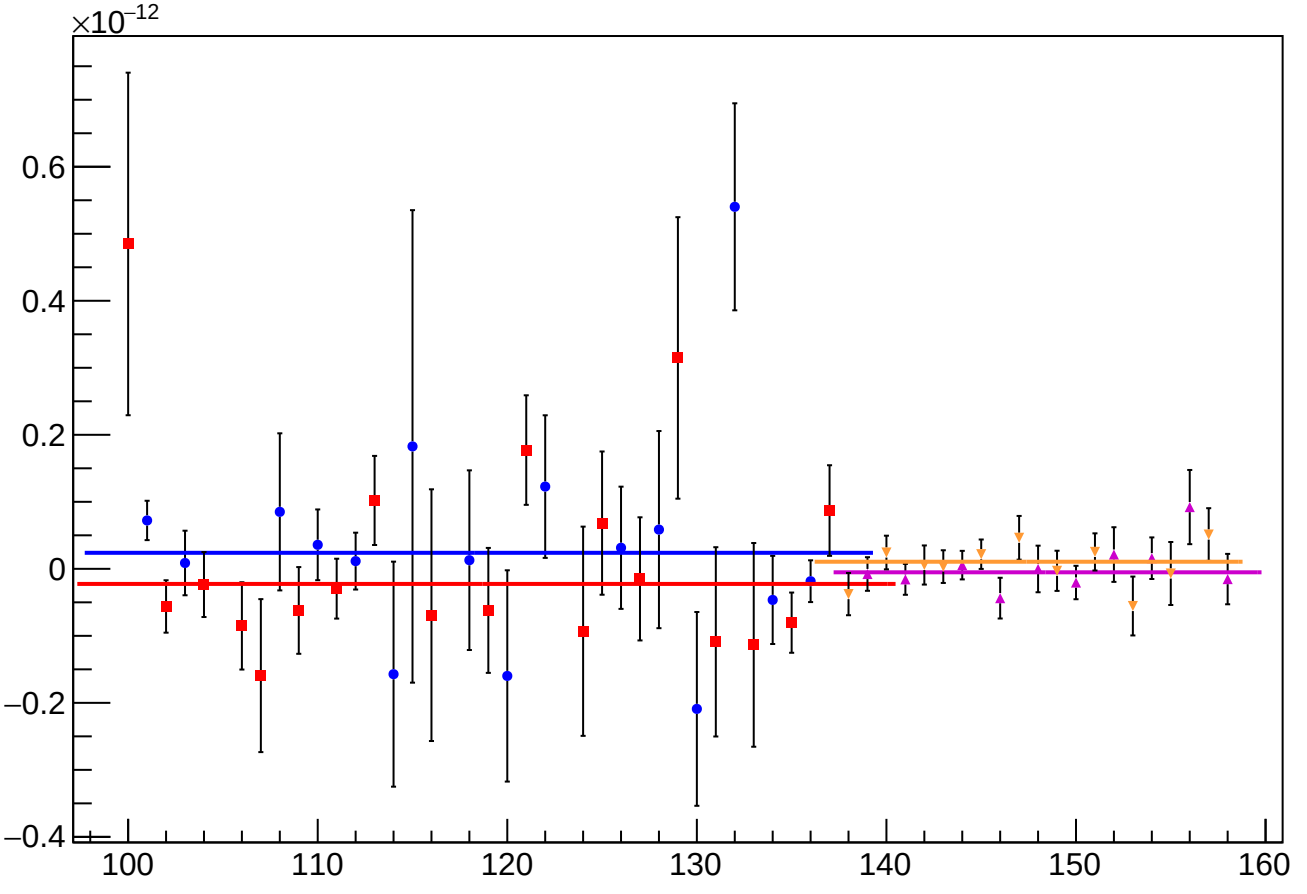
Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 687.585+/-0.167 χ^2/NDF:288685.5/9

+ sign 667.177+/-0.123 χ^2/NDF: 2305279.9/26

All: 658.004+/-0.086 χ^2/NDF: 4755469.7/55

- sign 649.438+/-0.119 χ^2/NDF: 2439493.6/28



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.2/10

Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

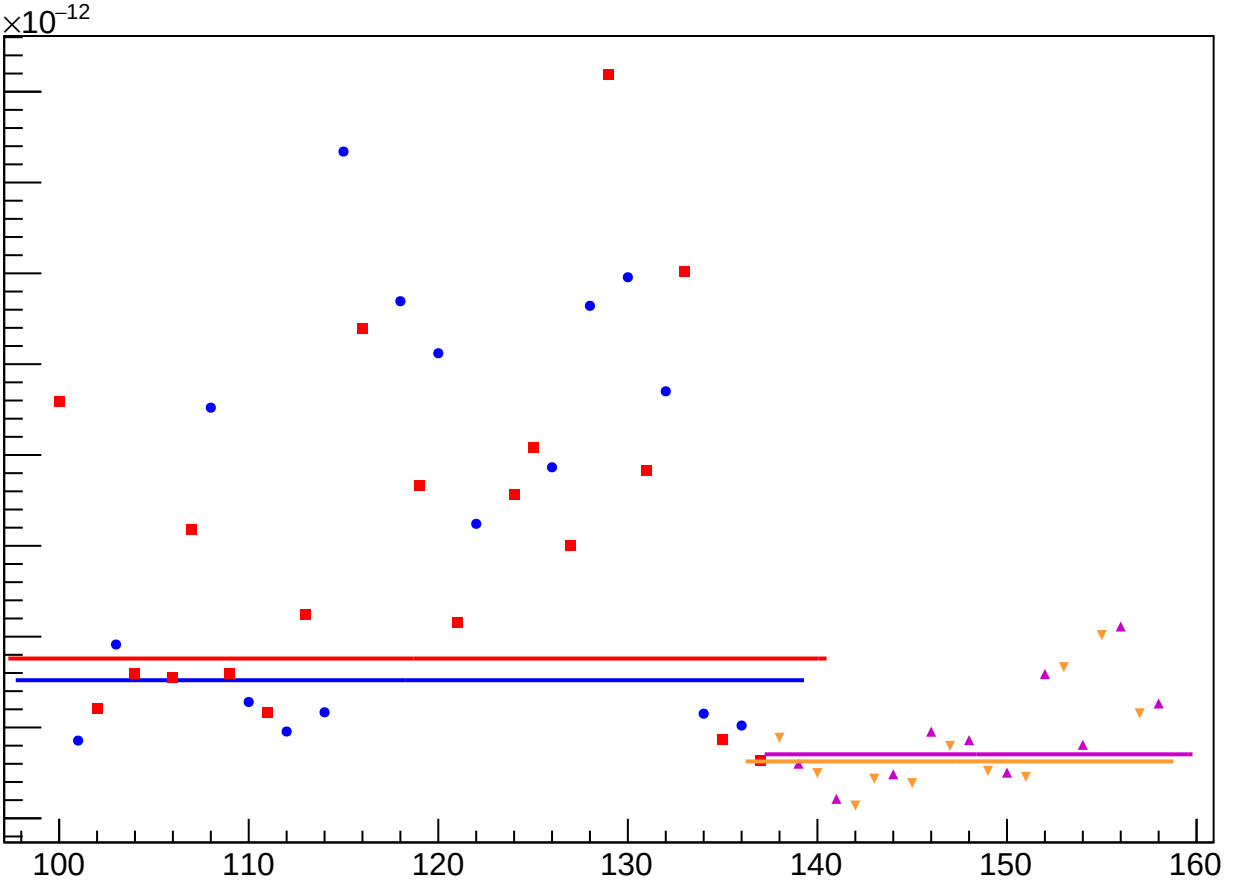
Left In: -0.000+/-0.000 χ^2/NDF:6.5/9

+ sign 0.000+/-0.000 χ^2/NDF: 32.4/26

All: 0.000+/-0.000 χ^2/NDF: 69.9/55

- sign -0.000+/-0.000 χ^2/NDF: 33.1/28

asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1312245.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:448758.3/10

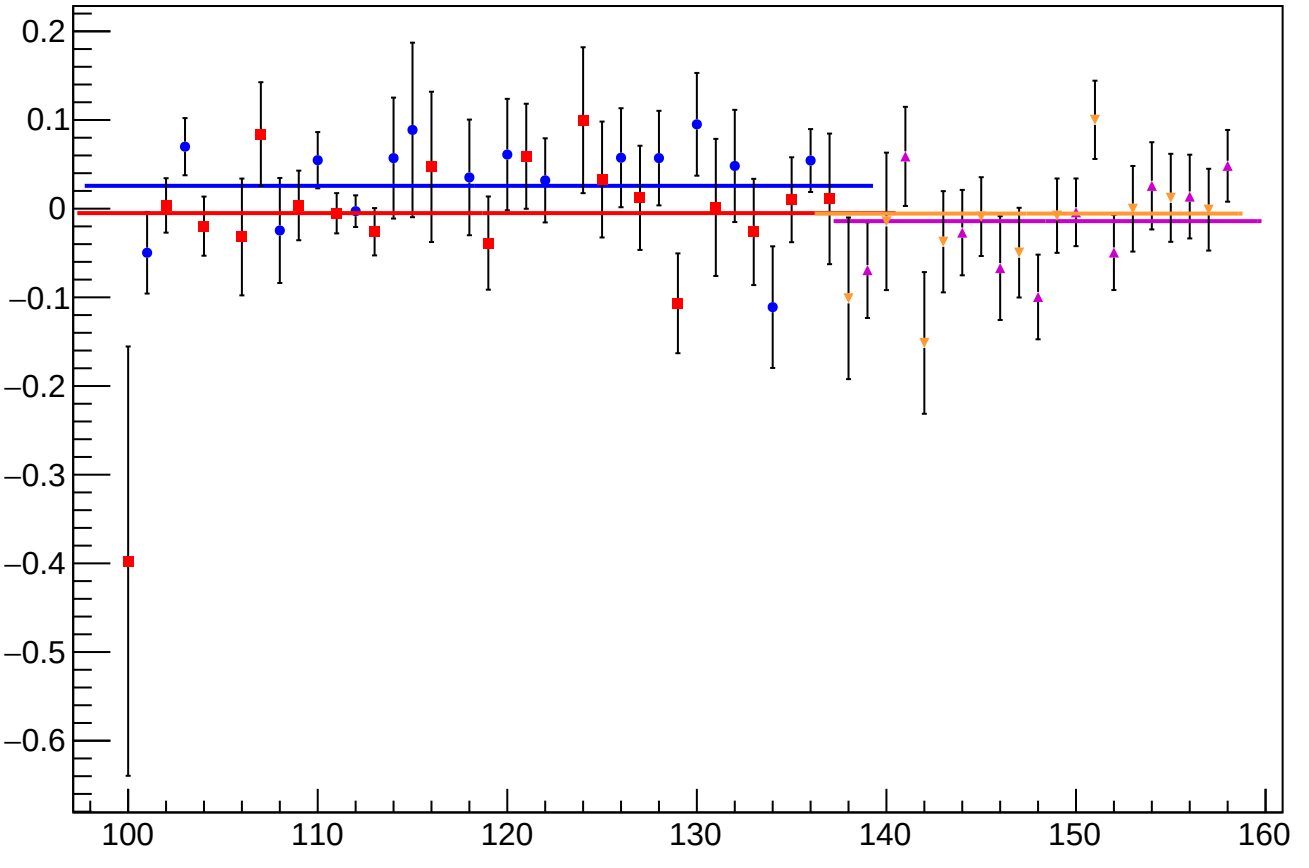
Right Out: 0.000+/-0.000 χ^2/NDF: 988490.8/18

Left In: 0.000+/-0.000 χ^2/NDF:415849.2/9

+ sign 0.000+/-0.000 χ^2/NDF: 2274066.0/26

All: 0.000+/-0.000 χ^2/NDF: 4328031.8/55

- sign 0.000+/-0.000 χ^2/NDF: 2037401.5/28



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.006+/-0.016 χ^2/NDF:11.4/10

Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

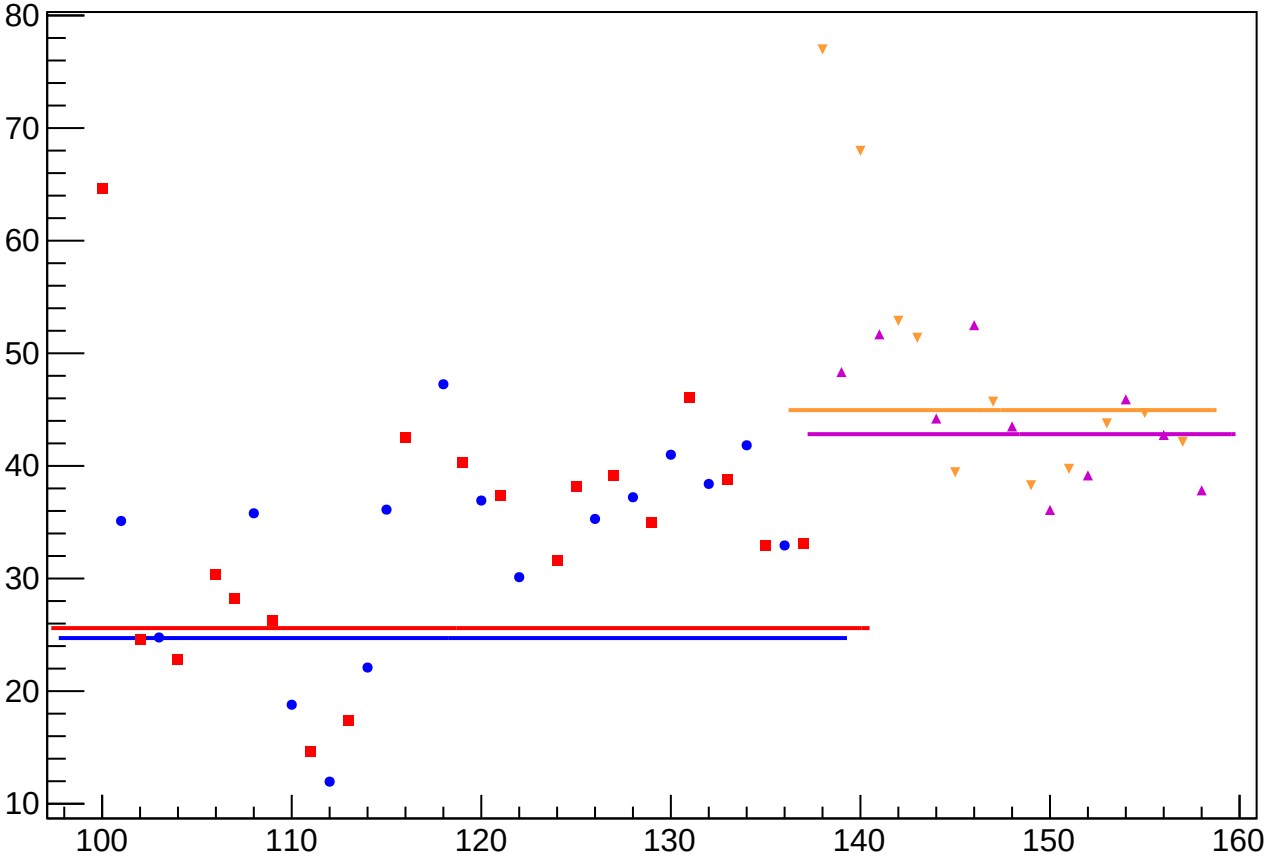
Left In: -0.014+/-0.015 χ^2/NDF:11.0/9

+ sign 0.016+/-0.009 χ^2/NDF: 30.7/26

All: 0.004+/-0.006 χ^2/NDF: 59.5/55

- sign -0.008+/-0.008 χ^2/NDF: 24.9/28

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 44.953+/-0.011 χ^2/NDF:587197.1/10

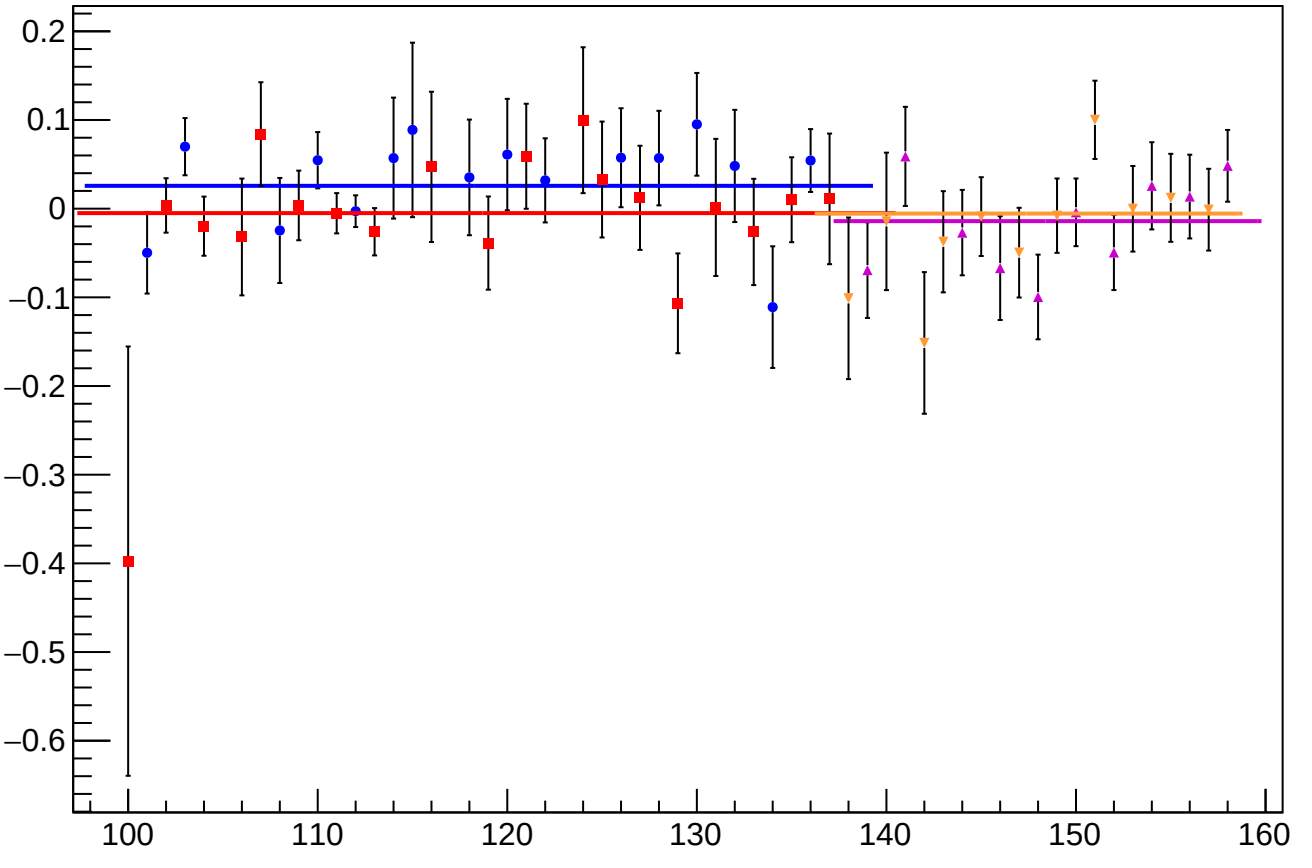
Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 42.820+/-0.010 χ^2/NDF:243497.0/9

+ sign 30.827+/-0.006 χ^2/NDF: 5190150.5/26

All: 31.034+/-0.004 χ^2/NDF: 8853839.2/55

- sign 31.233+/-0.006 χ^2/NDF: 3661450.5/28



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.006+/-0.016 χ^2/NDF:11.4/10

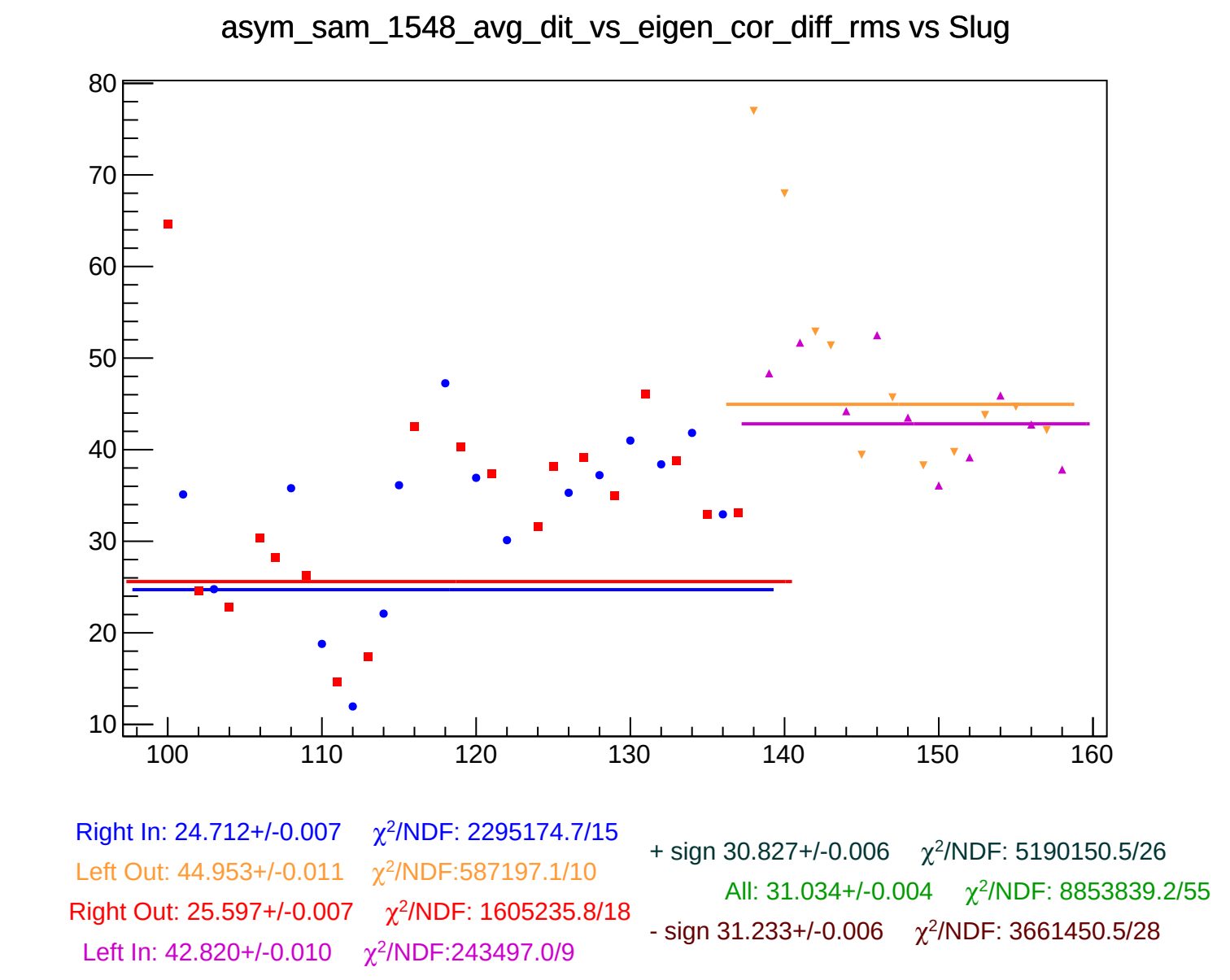
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

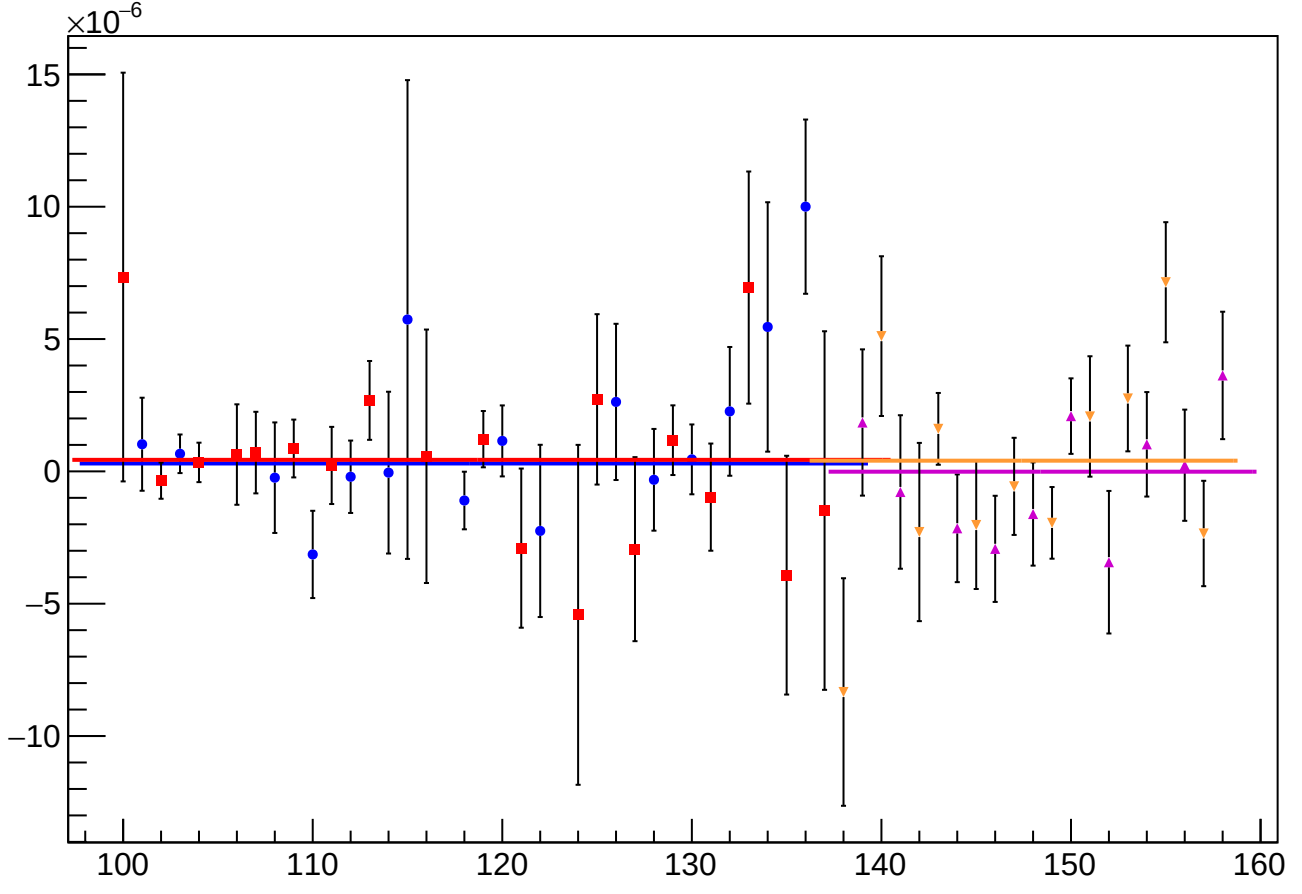
Left In: -0.014+/-0.015 χ^2/NDF:11.0/9

+ sign 0.016+/-0.009 χ^2/NDF: 30.7/26

All: 0.004+/-0.006 χ^2/NDF: 59.5/55

- sign -0.008+/-0.008 χ^2/NDF: 24.9/28


asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 24.712+/-0.007 χ²/NDF: 2295174.7/15
Left Out: 44.953+/-0.011 χ²/NDF:587197.1/10
Right Out: 25.597+/-0.007 χ²/NDF: 1605235.8/18
Left In: 42.820+/-0.010 χ²/NDF:243497.0/9
+ sign 30.827+/-0.006 χ²/NDF: 5190150.5/26
All: 31.034+/-0.004 χ²/NDF: 8853839.2/55
- sign 31.233+/-0.006 χ²/NDF: 3661450.5/28



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/10

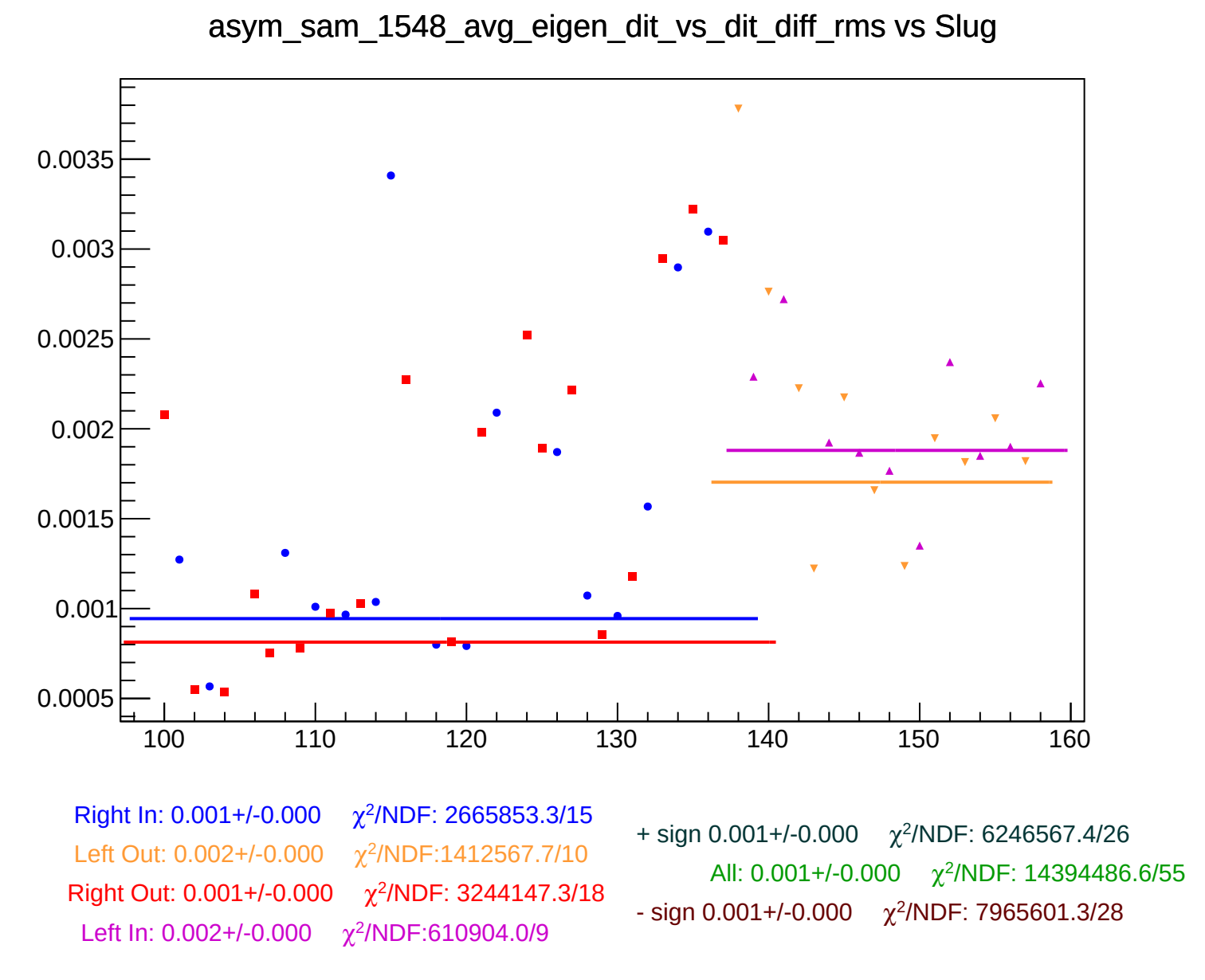
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

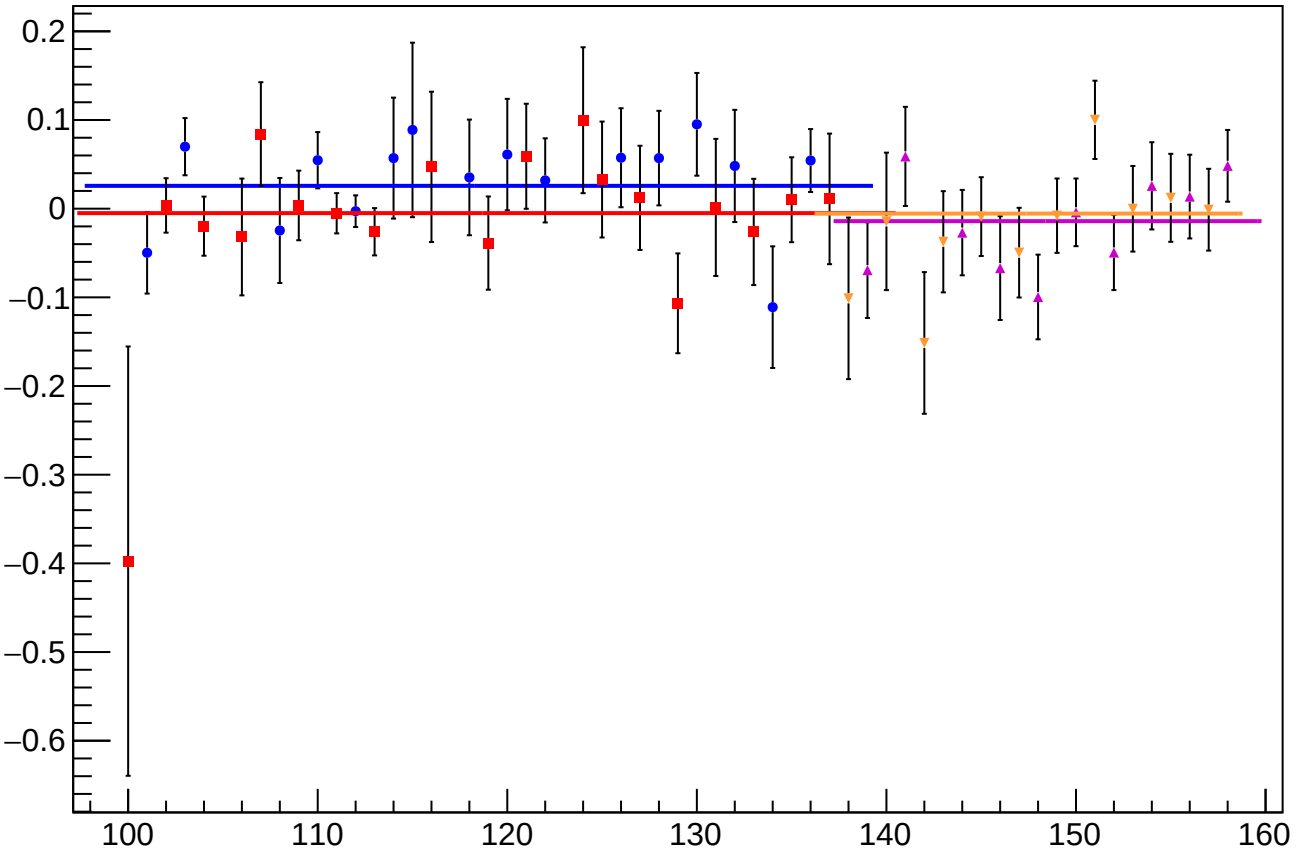
Left In: -0.000+/-0.000 χ^2/NDF:10.8/9

+ sign 0.000+/-0.000 χ^2/NDF: 44.3/26

All: 0.000+/-0.000 χ^2/NDF: 68.1/55

- sign 0.000+/-0.000 χ^2/NDF: 23.8/28


asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 2665853.3/15
Left Out: 0.002+/-0.000 χ²/NDF:1412567.7/10
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:610904.0/9
+ sign 0.001+/-0.000 χ²/NDF: 6246567.4/26
All: 0.001+/-0.000 χ²/NDF: 14394486.6/55
- sign 0.001+/-0.000 χ²/NDF: 7965601.3/28



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.006+/-0.016 χ^2/NDF:11.4/10

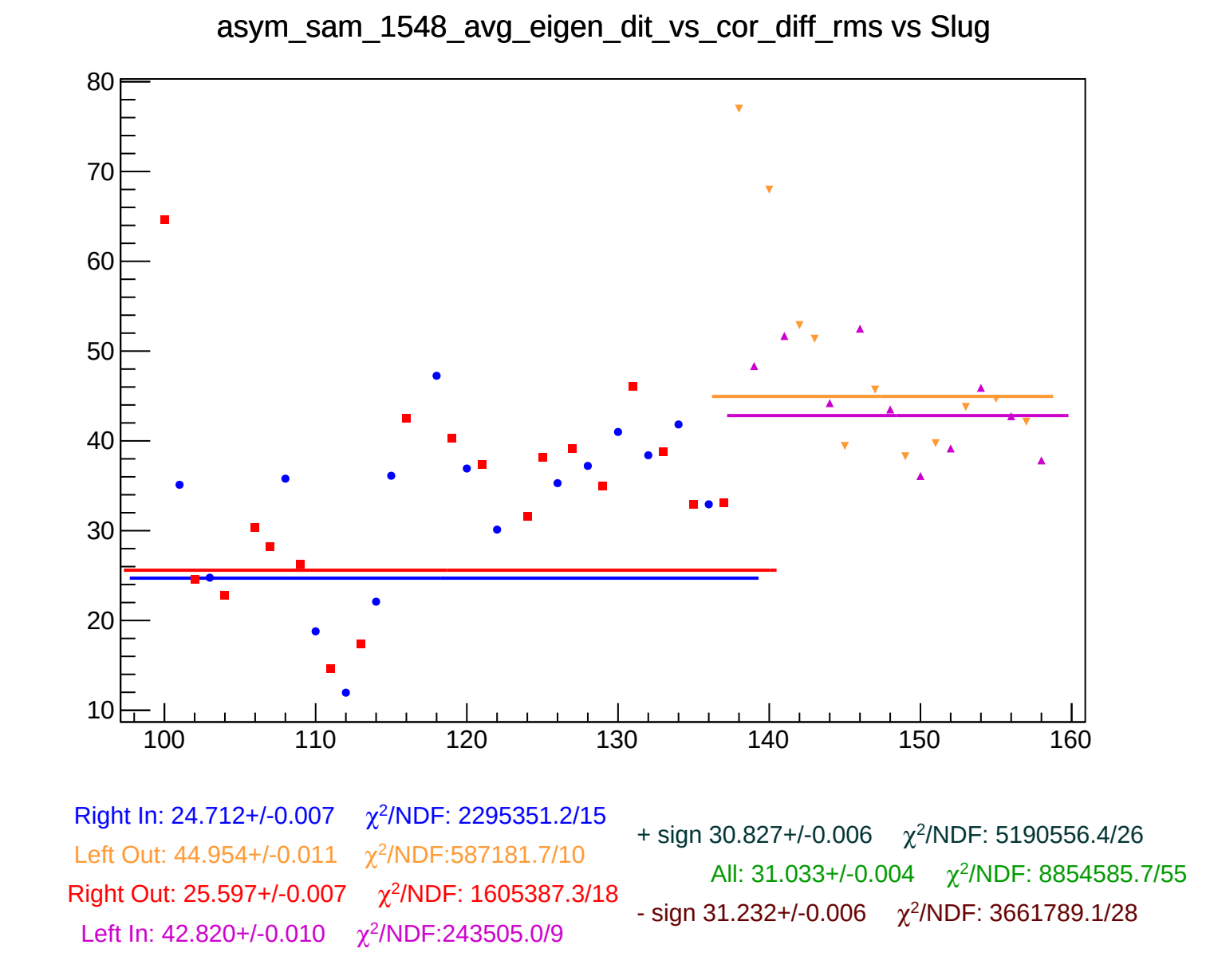
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

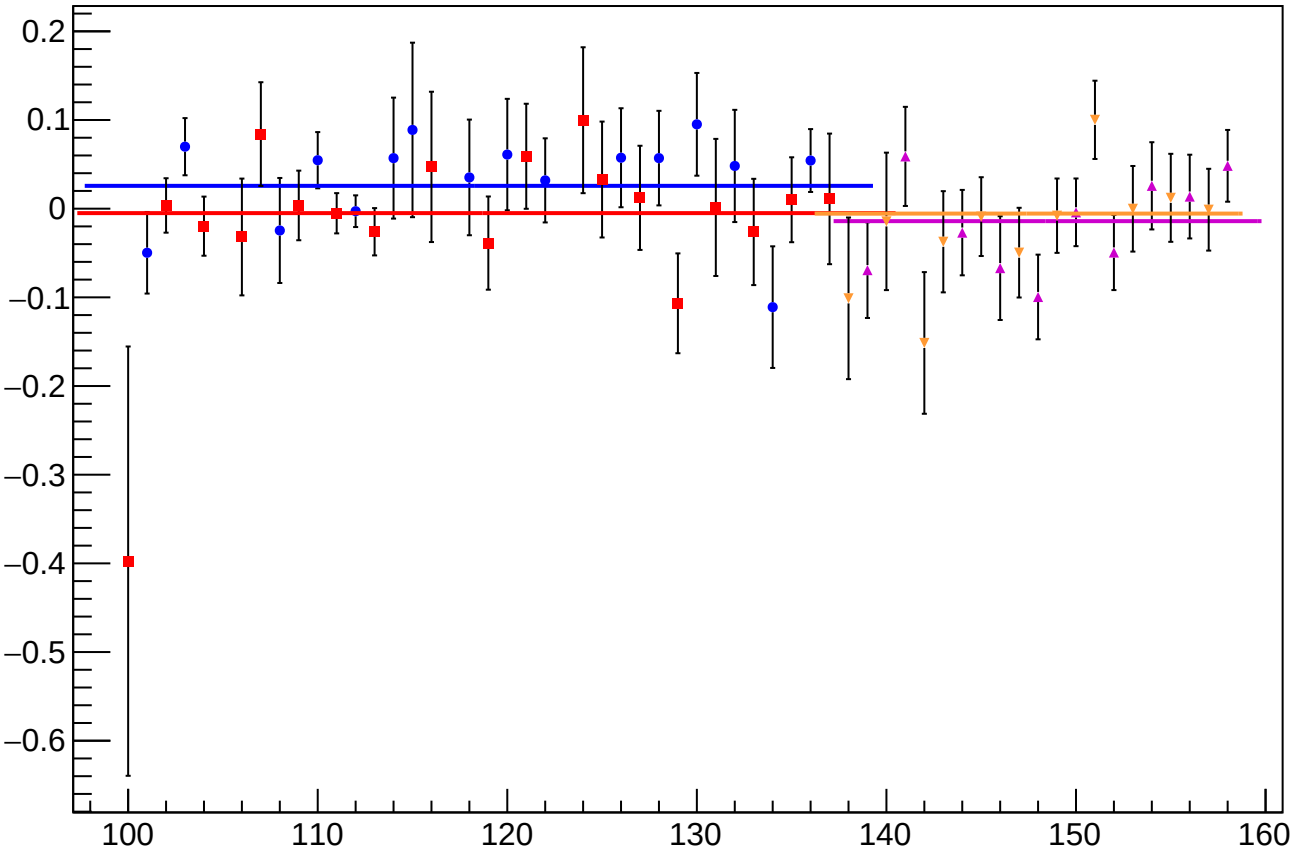
Left In: -0.014+/-0.015 χ^2/NDF:11.0/9

+ sign 0.016+/-0.009 χ^2/NDF: 30.7/26

All: 0.004+/-0.006 χ^2/NDF: 59.5/55

- sign -0.008+/-0.008 χ^2/NDF: 24.9/28


asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 24.712+/-0.007 χ²/NDF: 2295351.2/15
Left Out: 44.954+/-0.011 χ²/NDF:587181.7/10
Right Out: 25.597+/-0.007 χ²/NDF: 1605387.3/18
Left In: 42.820+/-0.010 χ²/NDF:243505.0/9
+ sign 30.827+/-0.006 χ²/NDF: 5190556.4/26
All: 31.033+/-0.004 χ²/NDF: 8854585.7/55
- sign 31.232+/-0.006 χ²/NDF: 3661789.1/28



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.006+/-0.016 χ^2/NDF:11.4/10

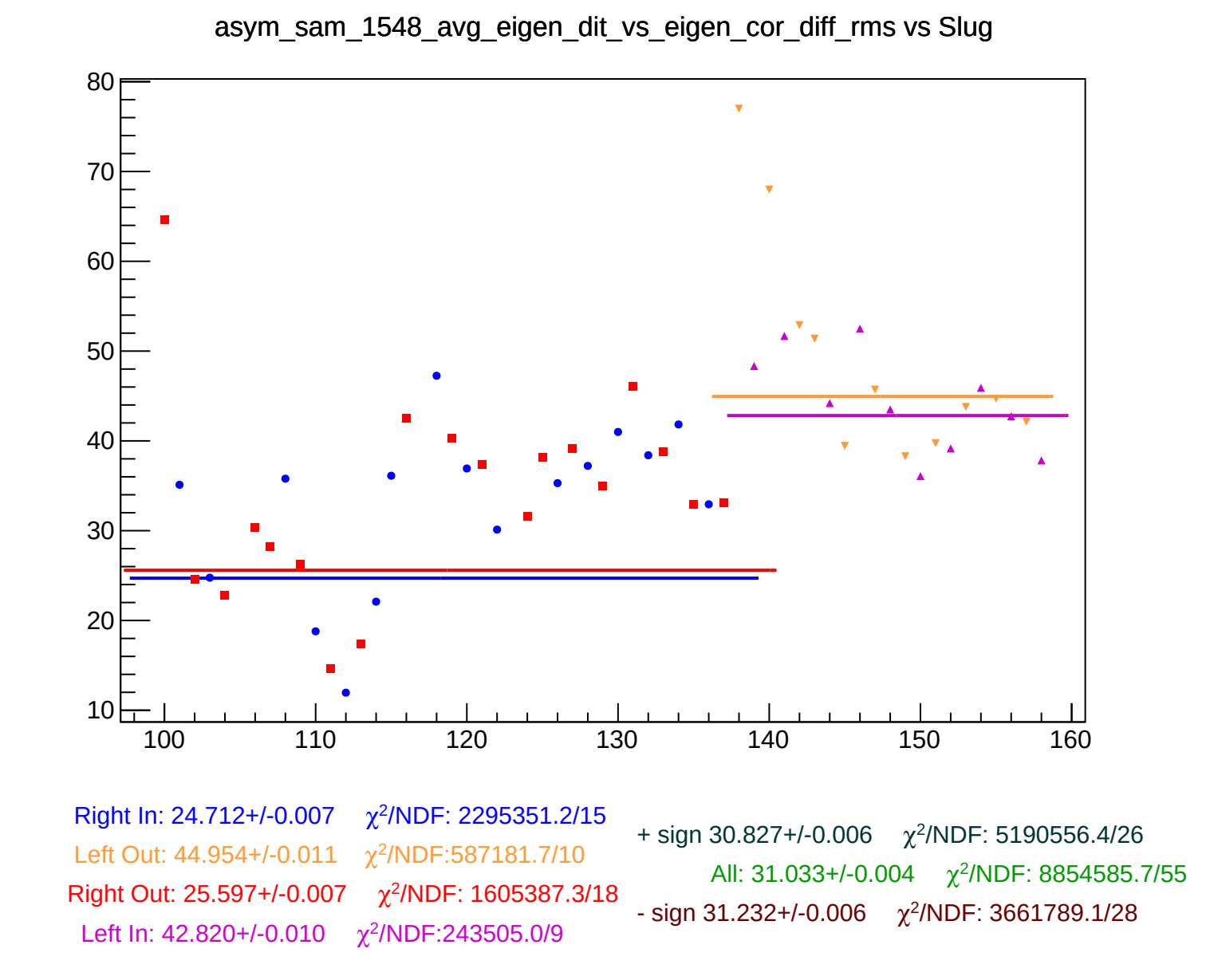
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

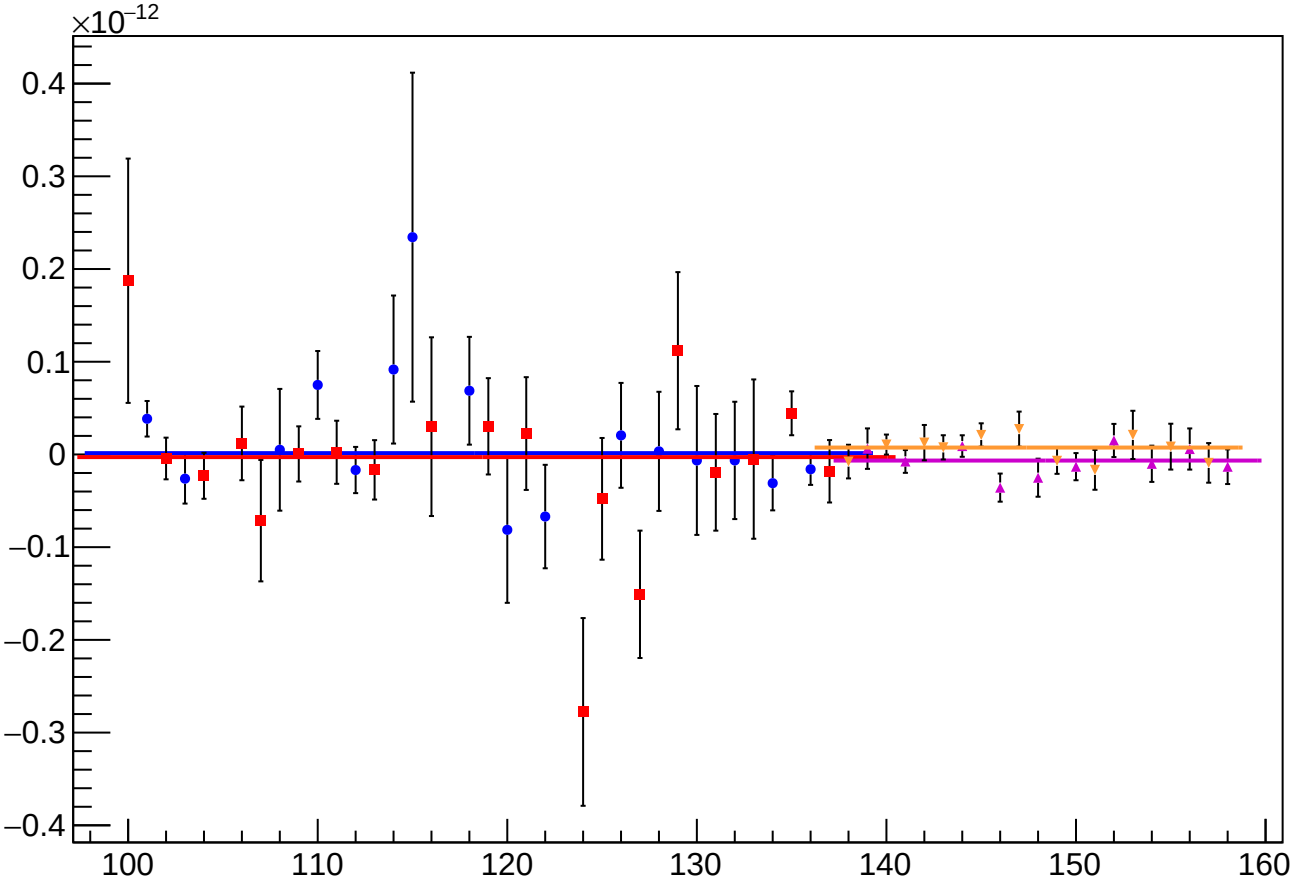
Left In: -0.014+/-0.015 χ^2/NDF:11.0/9

+ sign 0.016+/-0.009 χ^2/NDF: 30.7/26

All: 0.004+/-0.006 χ^2/NDF: 59.5/55

- sign -0.008+/-0.008 χ^2/NDF: 24.9/28


asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 24.712+/-0.007 χ²/NDF: 2295351.2/15
Left Out: 44.954+/-0.011 χ²/NDF:587181.7/10
Right Out: 25.597+/-0.007 χ²/NDF: 1605387.3/18
Left In: 42.820+/-0.010 χ²/NDF:243505.0/9
+ sign 30.827+/-0.006 χ²/NDF: 5190556.4/26
All: 31.033+/-0.004 χ²/NDF: 8854585.7/55
- sign 31.232+/-0.006 χ²/NDF: 3661789.1/28



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.3/10

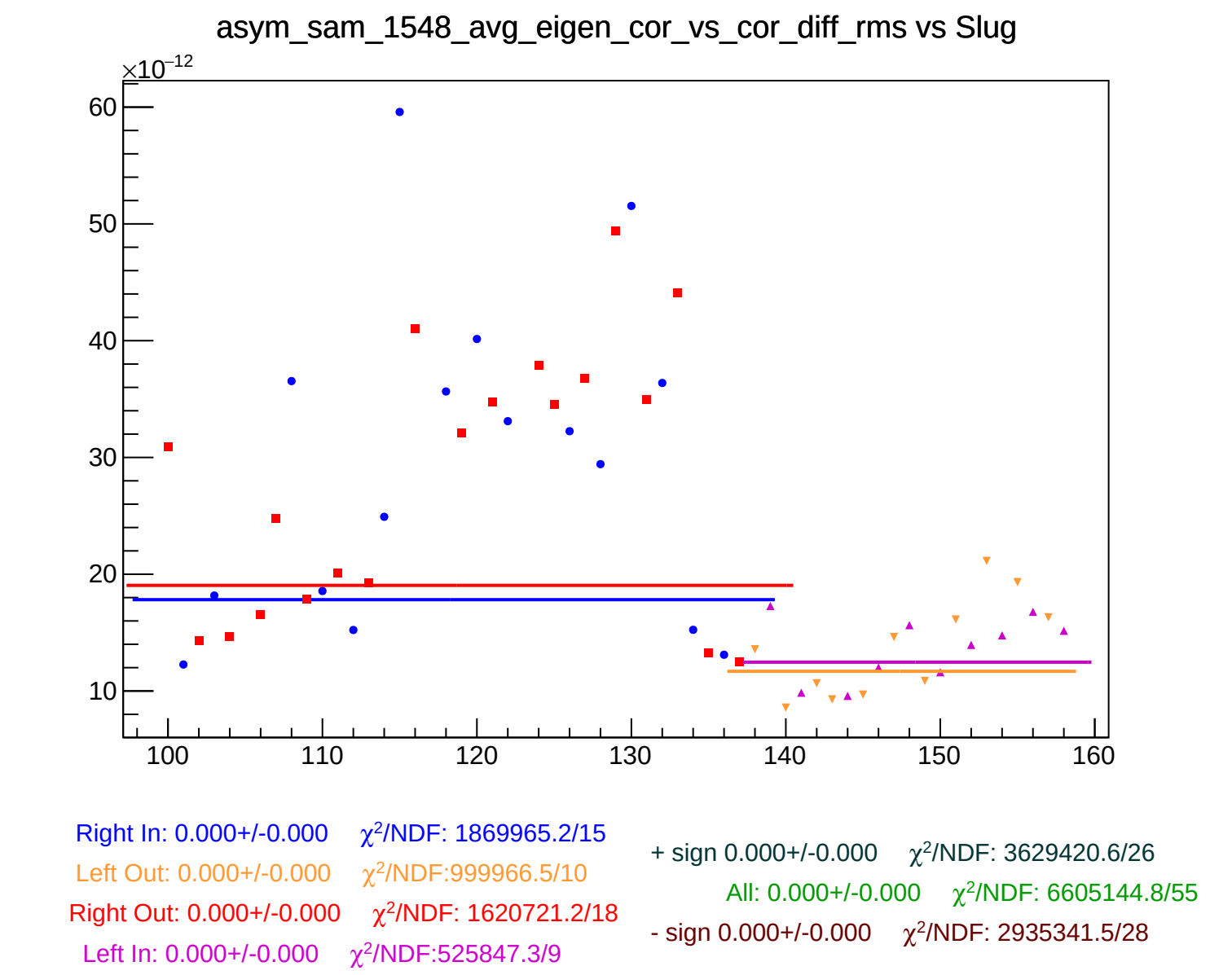
Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: -0.000+/-0.000 χ^2/NDF:8.8/9

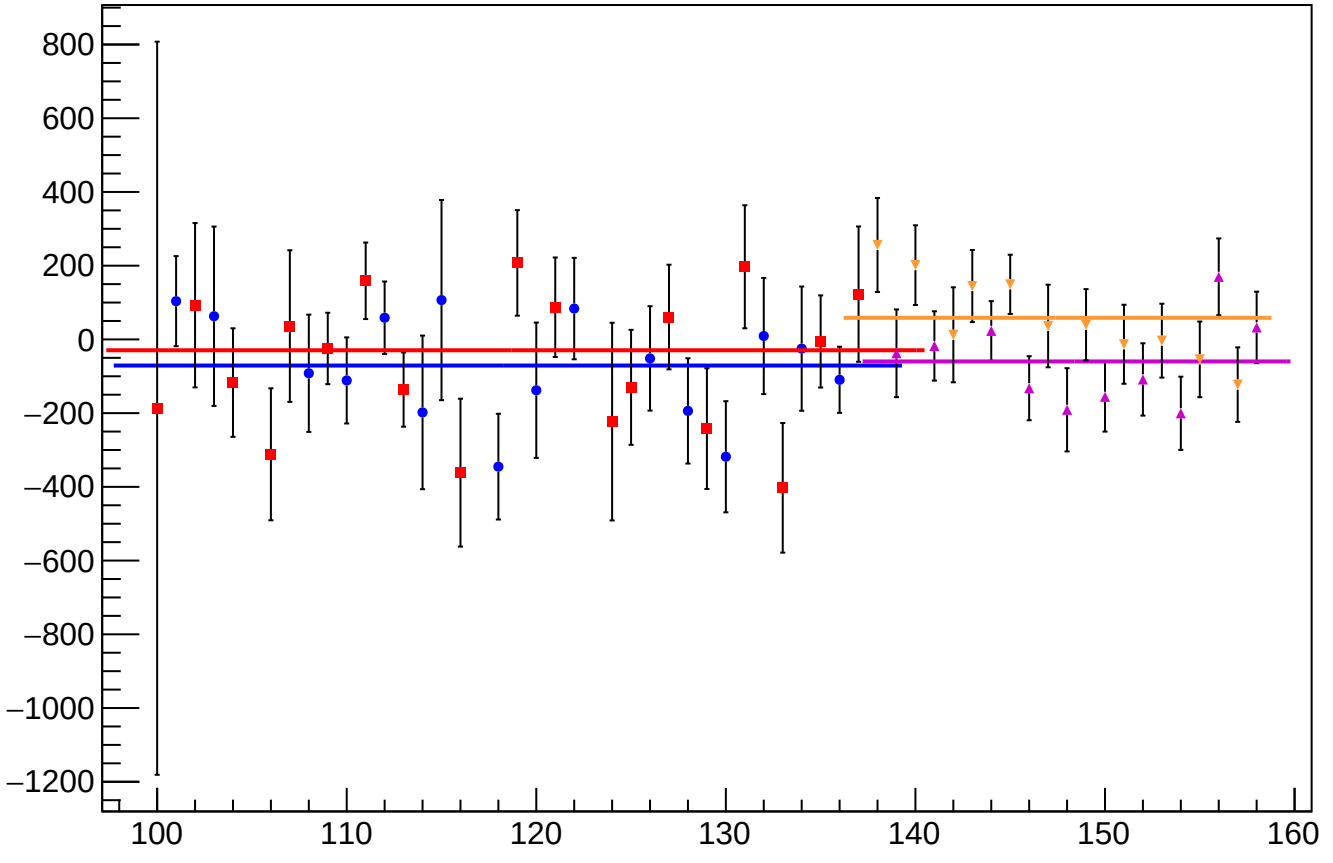
+ sign 0.000+/-0.000 χ^2/NDF: 25.4/26

All: 0.000+/-0.000 χ^2/NDF: 61.4/55

- sign -0.000+/-0.000 χ^2/NDF: 32.4/28


asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1869965.2/15
Left Out: 0.000+/-0.000 χ²/NDF:999966.5/10
Right Out: 0.000+/-0.000 χ²/NDF: 1620721.2/18
Left In: 0.000+/-0.000 χ²/NDF:525847.3/9
+ sign 0.000+/-0.000 χ²/NDF: 3629420.6/26
All: 0.000+/-0.000 χ²/NDF: 6605144.8/55
- sign 0.000+/-0.000 χ²/NDF: 2935341.5/28

reg_asym_sam_3748_avg_mean vs Slug



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 58.597+/-31.113 χ^2/NDF:11.7/10

Right Out: -29.410+/-34.243 χ^2/NDF: 24.0/18

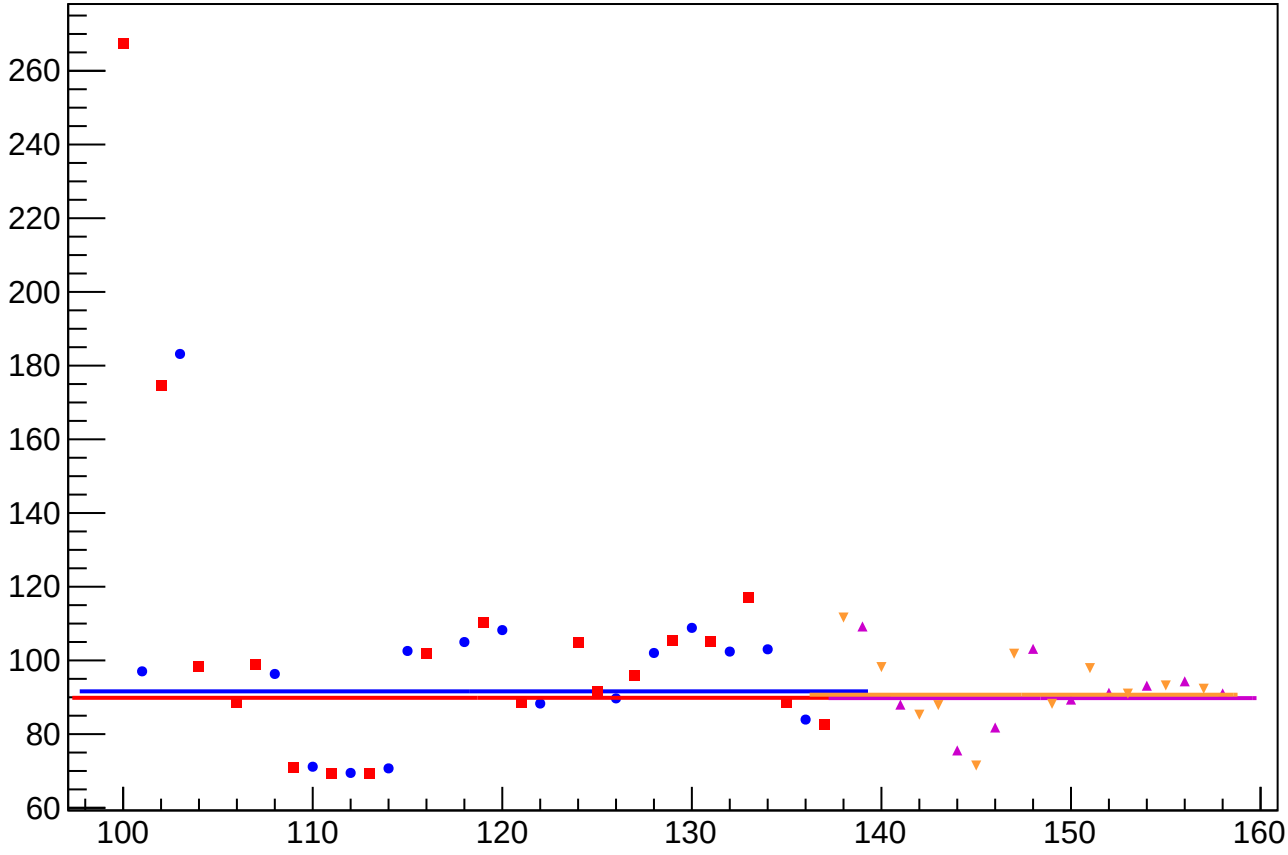
Left In: -59.790+/-30.660 χ^2/NDF:12.4/9

+ sign 1.661+/-23.289 χ^2/NDF: 33.3/26

All: -22.771+/-16.308 χ^2/NDF: 72.3/55

- sign -46.272+/-22.842 χ^2/NDF: 36.8/28

reg_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 90.696+/-0.022 χ^2/NDF:214857.0/10

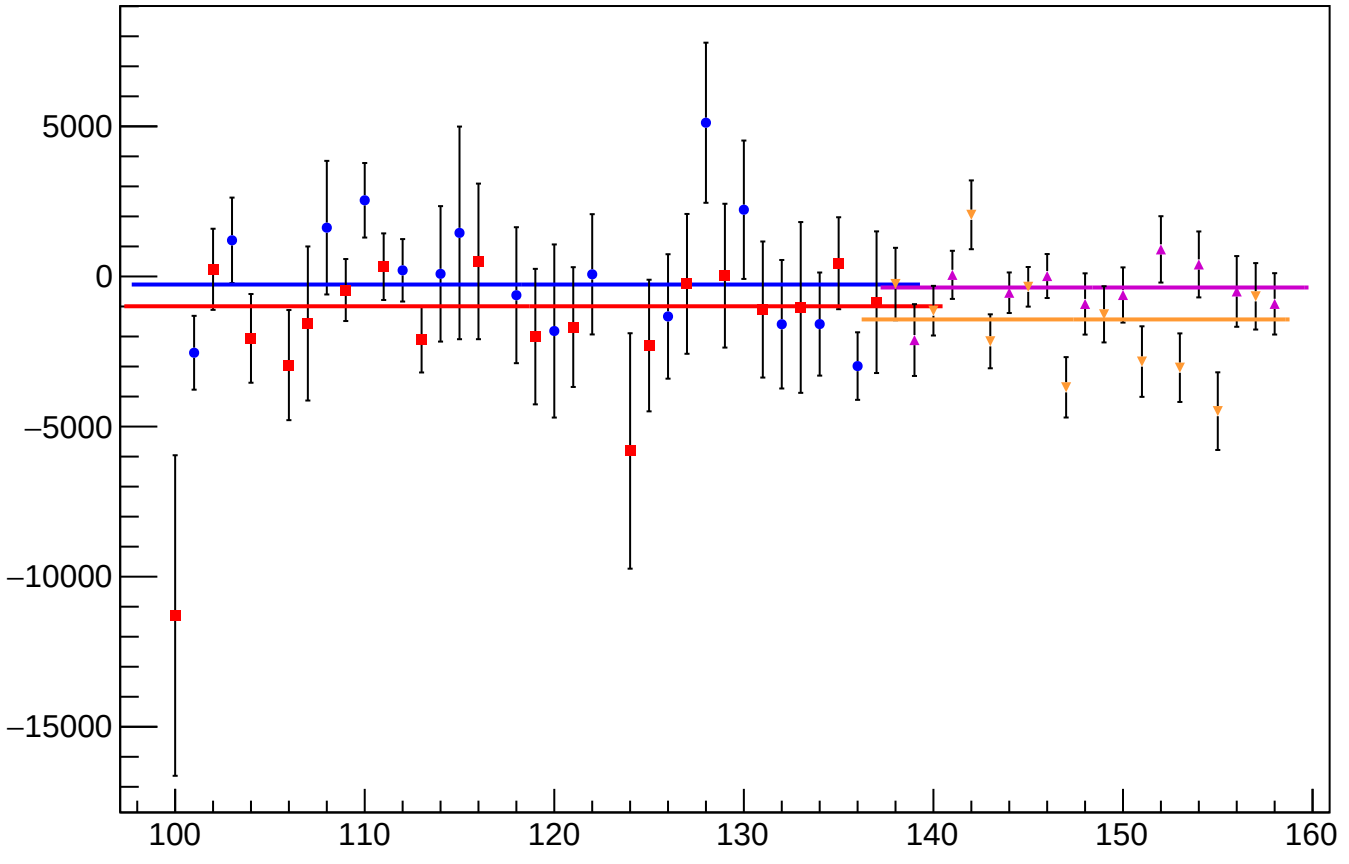
Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 89.772+/-0.022 χ^2/NDF:167653.9/9

+ sign 91.097+/-0.016 χ^2/NDF: 796285.1/26

All: 90.440+/-0.012 χ^2/NDF: 1713355.3/55

- sign 89.809+/-0.016 χ^2/NDF: 913949.5/28



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -1431.286+/-295.126 χ^2/NDF:28.3/10

Right Out: -992.670+/-400.824 χ^2/NDF: 12.7/18

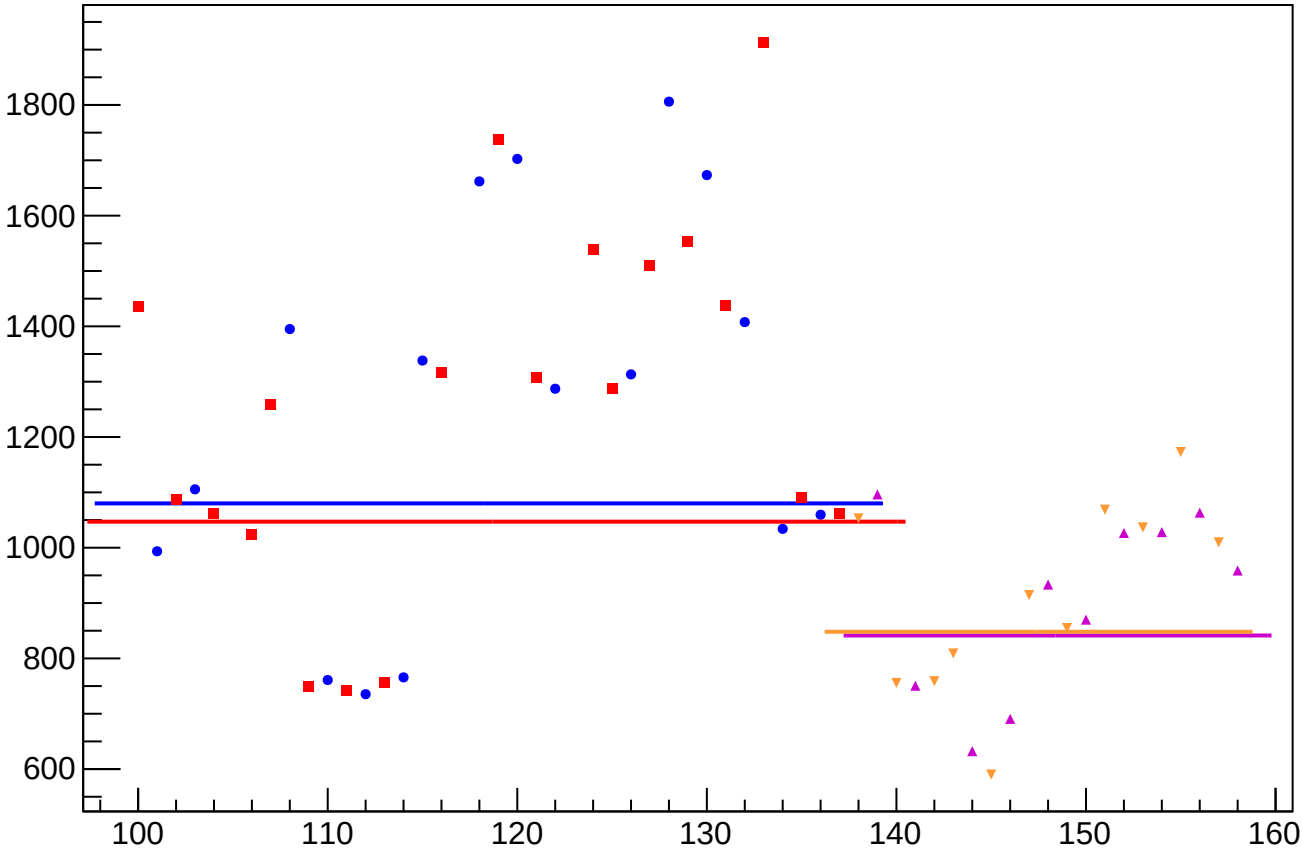
Left In: -367.538+/-291.371 χ^2/NDF:5.2/9

+ sign -1046.406+/-241.392 χ^2/NDF: 56.8/26

All: -809.497+/-168.634 χ^2/NDF: 78.2/55

- sign -583.666+/-235.680 χ^2/NDF: 19.5/28

asym_sam_3748_avg_reg_correction_rms vs Slug



Right In: 1080.045+/-0.297 χ^2/NDF: 1053468.5/15

Left Out: 848.153+/-0.209 χ^2/NDF:706910.9/10

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

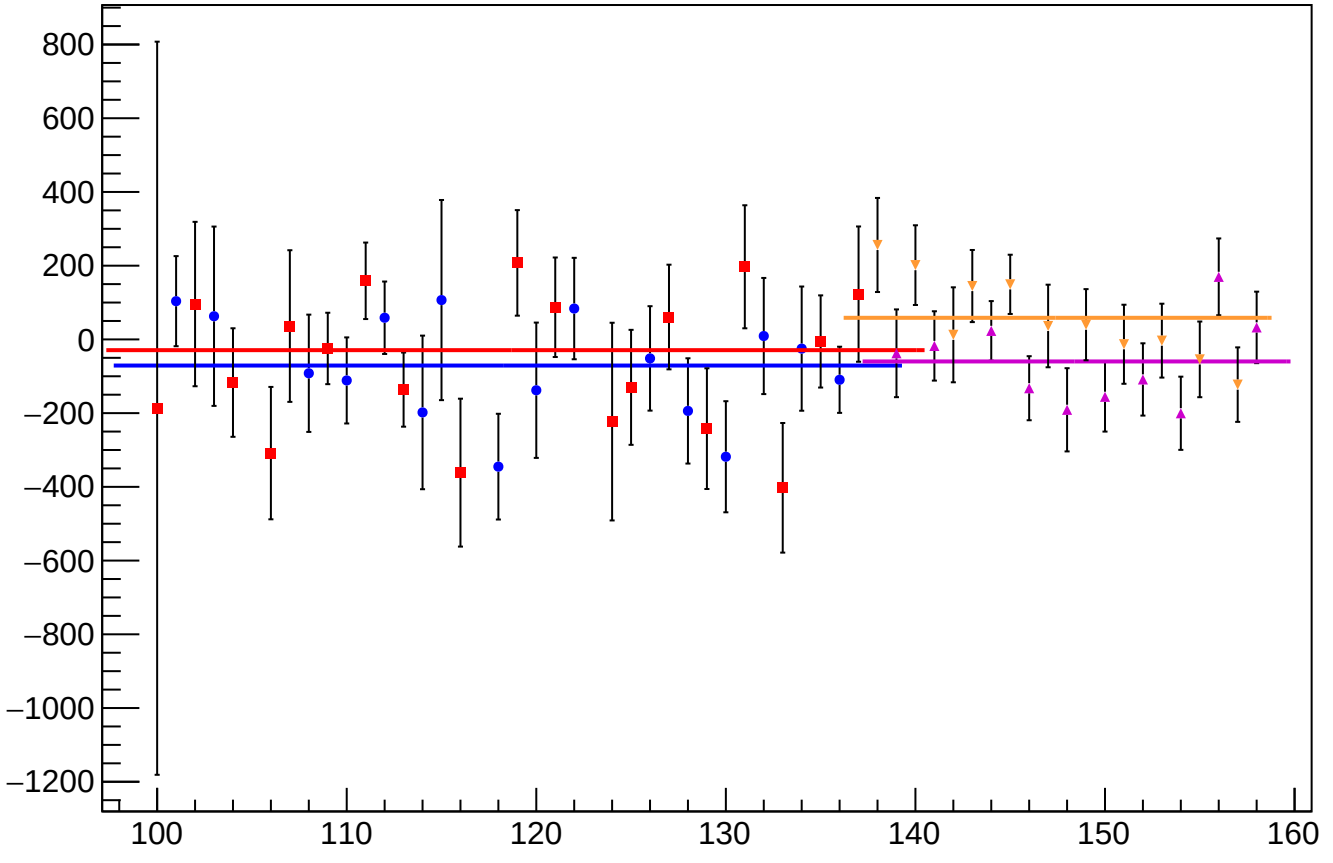
Left In: 841.398+/-0.206 χ^2/NDF:622138.9/9

+ sign 924.908+/-0.171 χ^2/NDF: 2169083.4/26

All: 918.557+/-0.119 χ^2/NDF: 4337096.2/55

- sign 912.504+/-0.167 χ^2/NDF: 2165309.4/28

cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 58.601+/-31.113 χ^2/NDF:11.7/10

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

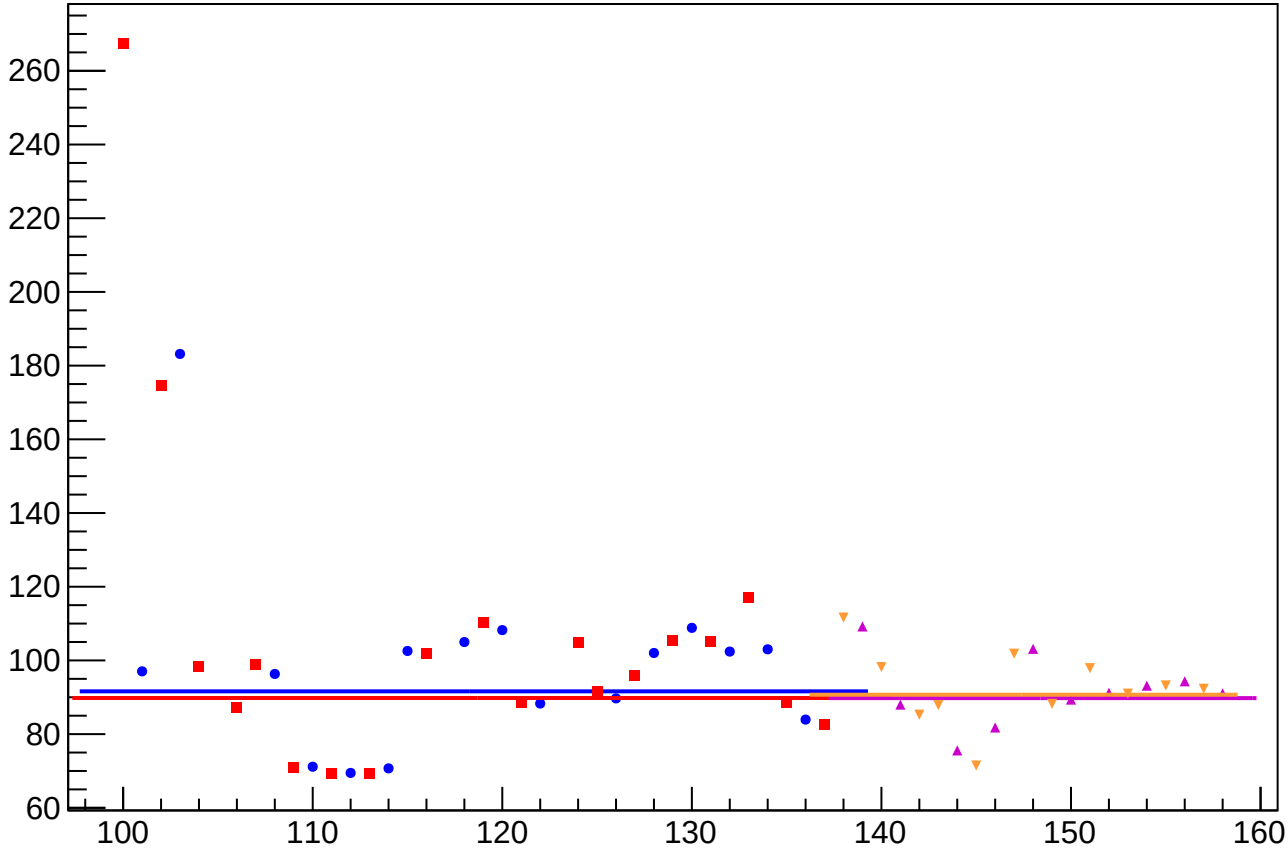
Left In: -59.793+/-30.660 χ^2/NDF:12.4/9

+ sign 1.658+/-23.289 χ^2/NDF: 33.3/26

All: -22.716+/-16.308 χ^2/NDF: 72.3/55

- sign -46.164+/-22.843 χ^2/NDF: 36.8/28

cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 90.696+/-0.022 χ^2/NDF:214857.0/10

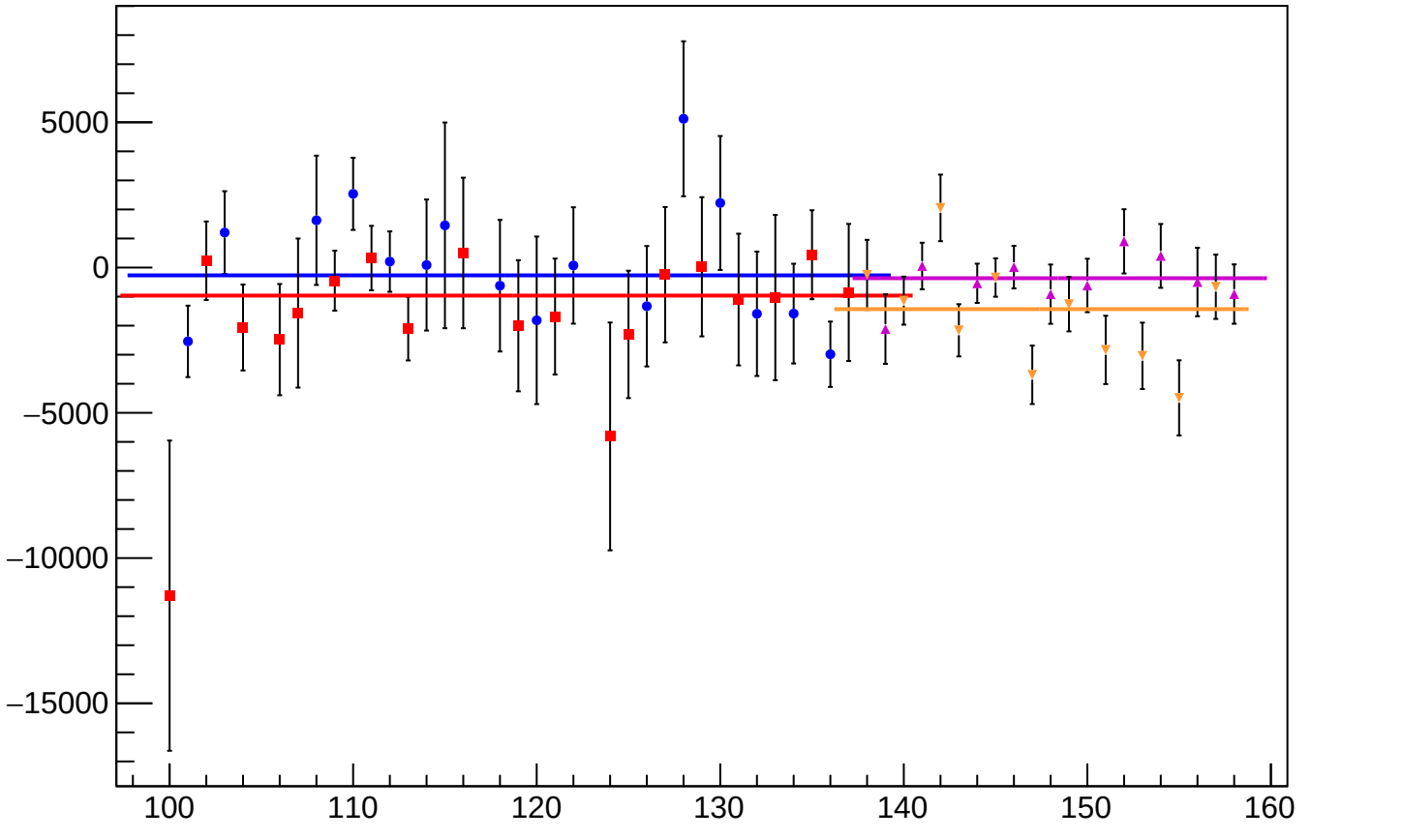
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 89.772+/-0.022 χ^2/NDF:167653.9/9

+ sign 91.097+/-0.016 χ^2/NDF: 796288.2/26

All: 90.430+/-0.012 χ^2/NDF: 1714000.4/55

- sign 89.787+/-0.016 χ^2/NDF: 914488.5/28



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1431.280+/-295.126 χ^2/NDF:28.3/10

Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

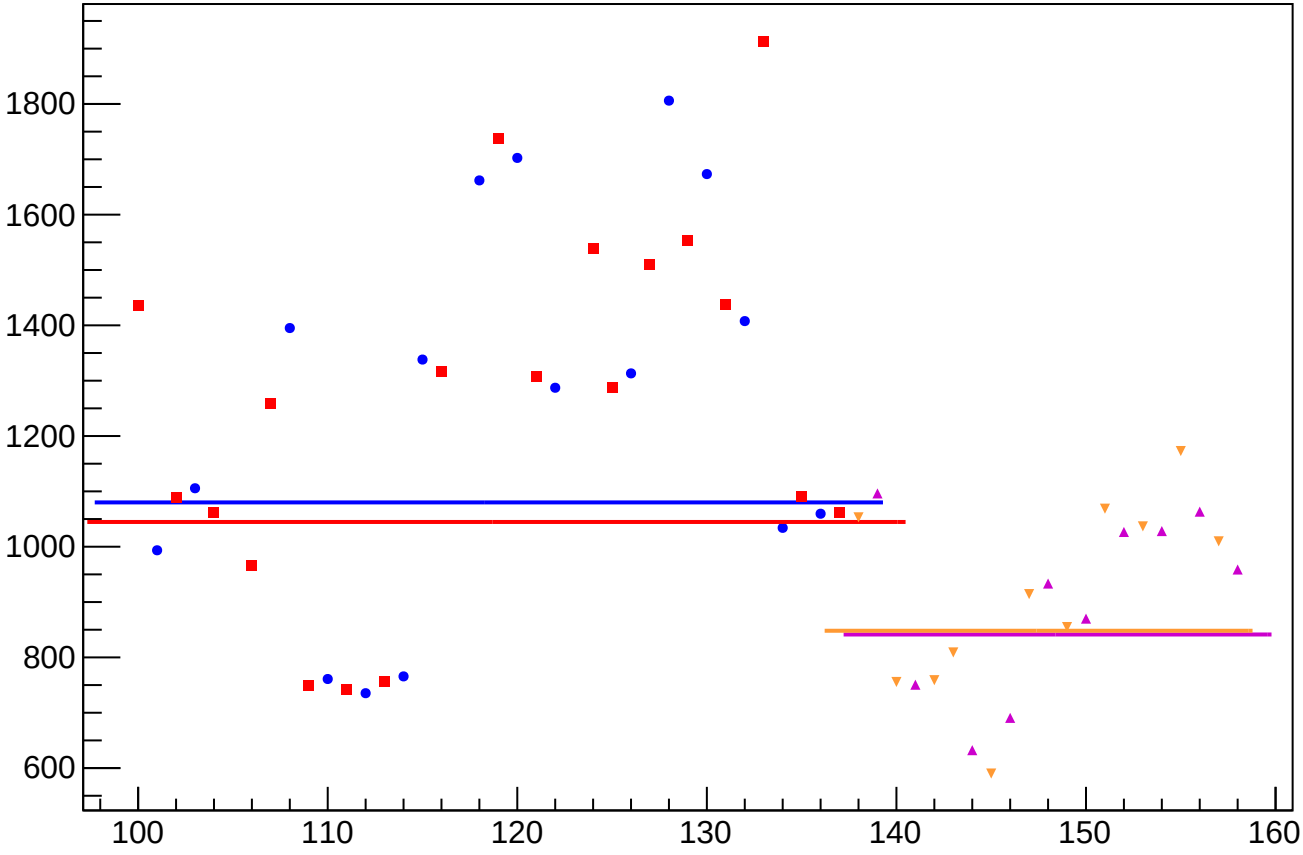
Left In: -367.545+/-291.371 χ^2/NDF:5.2/9

\+ sign -1046.413+/-241.392 χ^2/NDF: 56.8/26

All: -804.488+/-168.694 χ^2/NDF: 77.6/55

\- sign -573.555+/-235.845 χ^2/NDF: 18.8/28

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 848.152+/-0.209 χ^2/NDF:706913.6/10

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

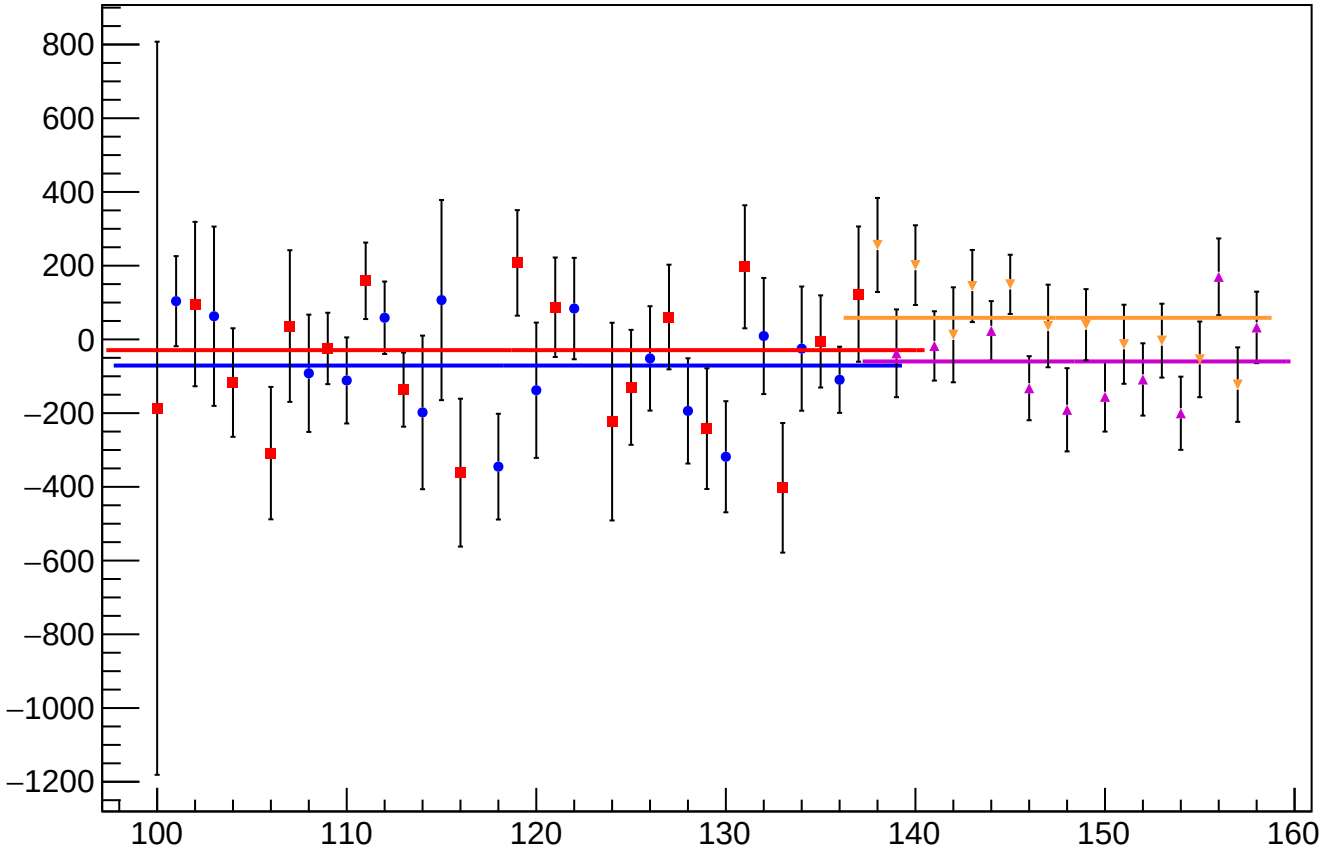
Left In: 841.398+/-0.206 χ^2/NDF:622137.5/9

\+ sign 924.909+/-0.171 χ^2/NDF: 2169119.5/26

All: 918.052+/-0.119 χ^2/NDF: 4332041.8/55

\- sign 911.506+/-0.167 χ^2/NDF: 2159767.8/28

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 58.601+/-31.113 χ^2/NDF:11.7/10

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

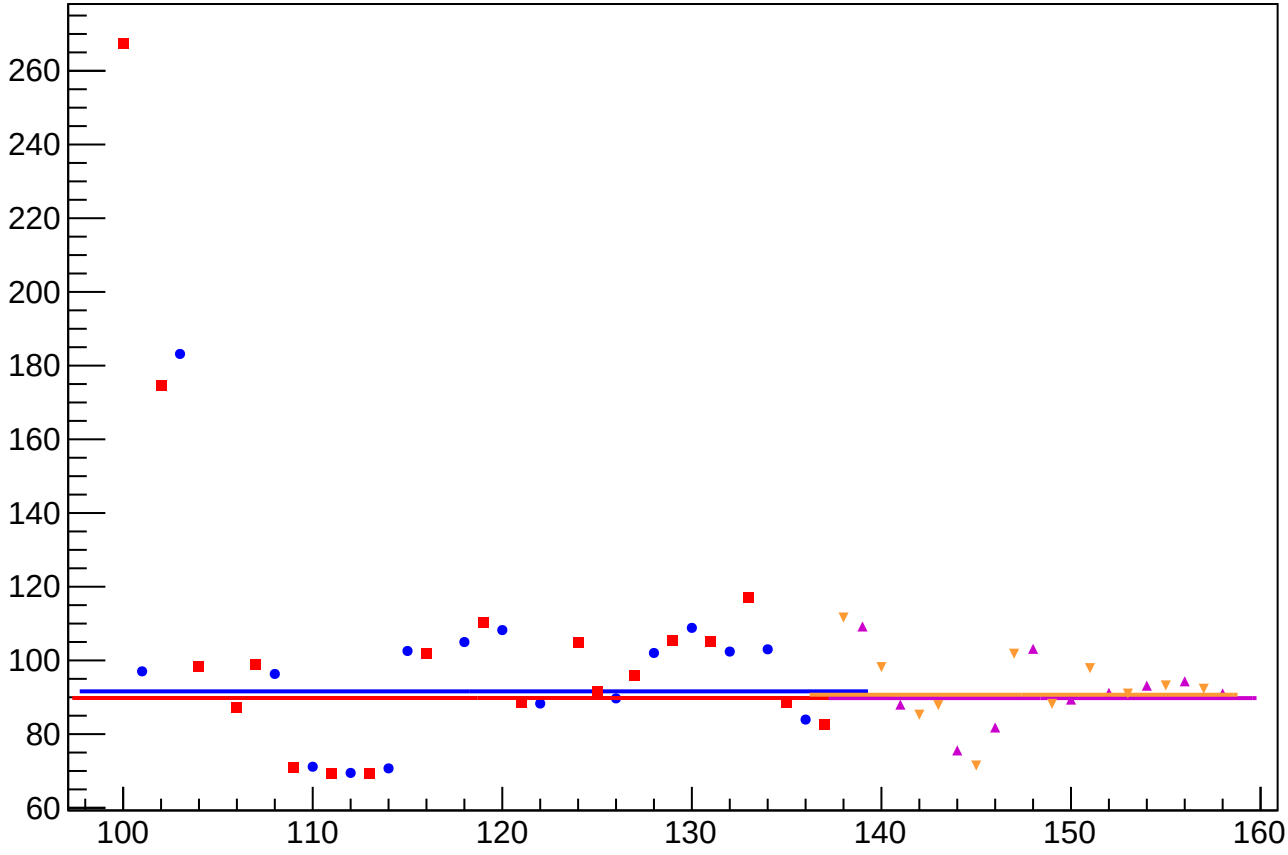
Left In: -59.793+/-30.660 χ^2/NDF:12.4/9

+ sign 1.658+/-23.289 χ^2/NDF: 33.3/26

All: -22.716+/-16.308 χ^2/NDF: 72.3/55

- sign -46.164+/-22.843 χ^2/NDF: 36.8/28

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 90.696+/-0.022 χ^2/NDF:214857.0/10

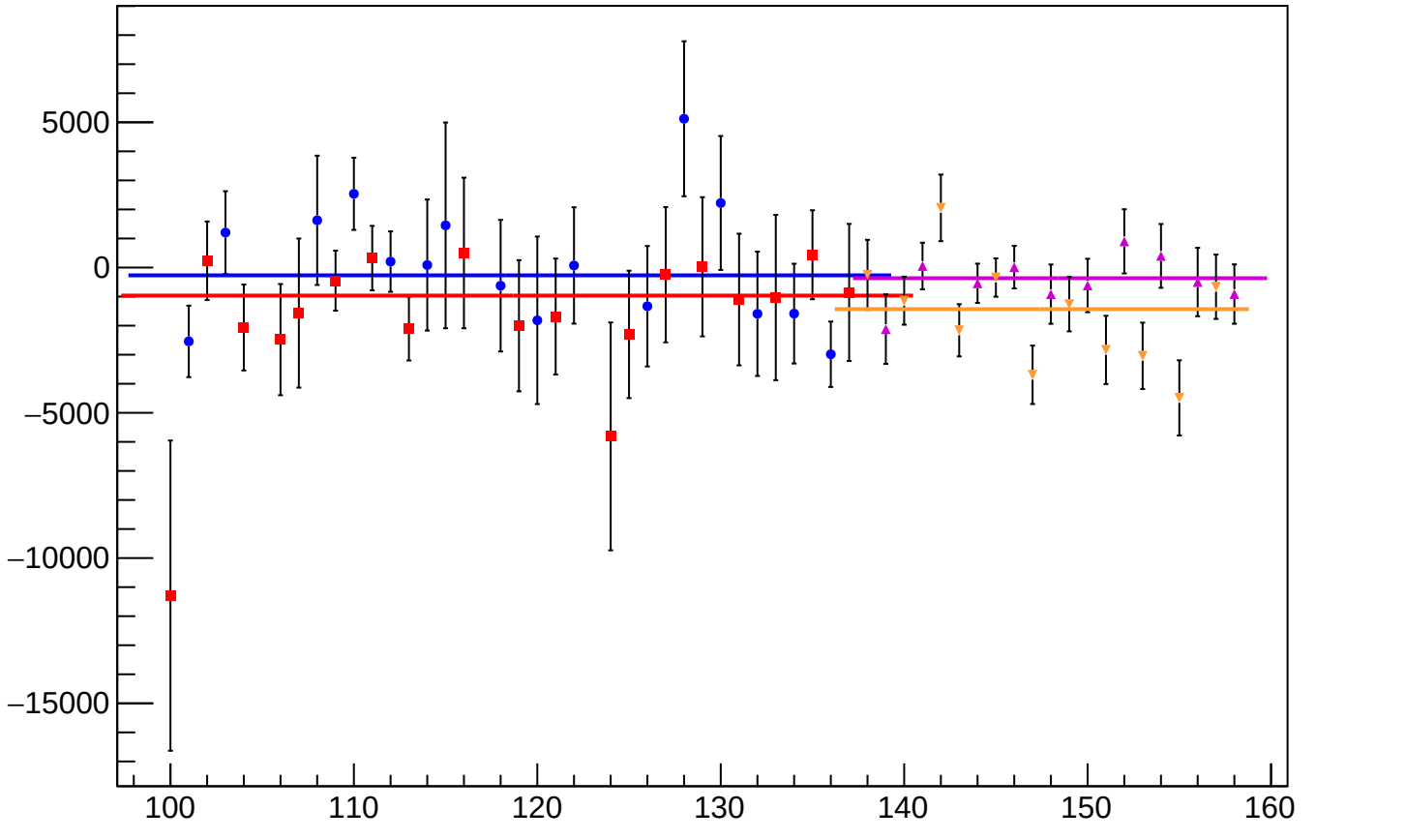
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 89.772+/-0.022 χ^2/NDF:167653.9/9

+ sign 91.097+/-0.016 χ^2/NDF: 796288.2/26

All: 90.430+/-0.012 χ^2/NDF: 1714000.4/55

- sign 89.787+/-0.016 χ^2/NDF: 914488.5/28



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1431.280+/-295.126 χ^2/NDF:28.3/10

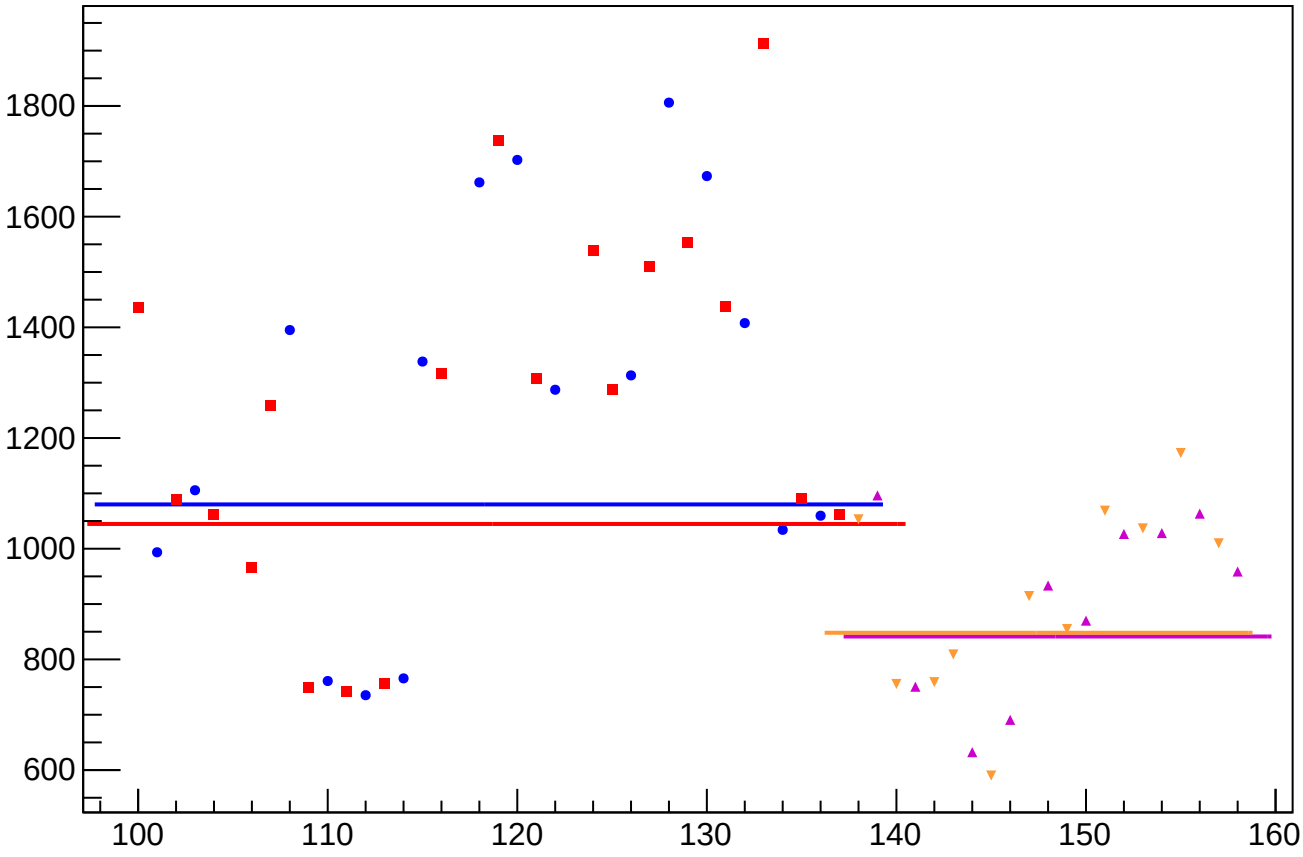
Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: -367.545+/-291.371 χ^2/NDF:5.2/9

\+ sign -1046.413+/-241.392 χ^2/NDF: 56.8/26

All: -804.488+/-168.694 χ^2/NDF: 77.6/55

\- sign -573.555+/-235.845 χ^2/NDF: 18.8/28



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 848.152+/-0.209 χ^2/NDF:706913.6/10

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

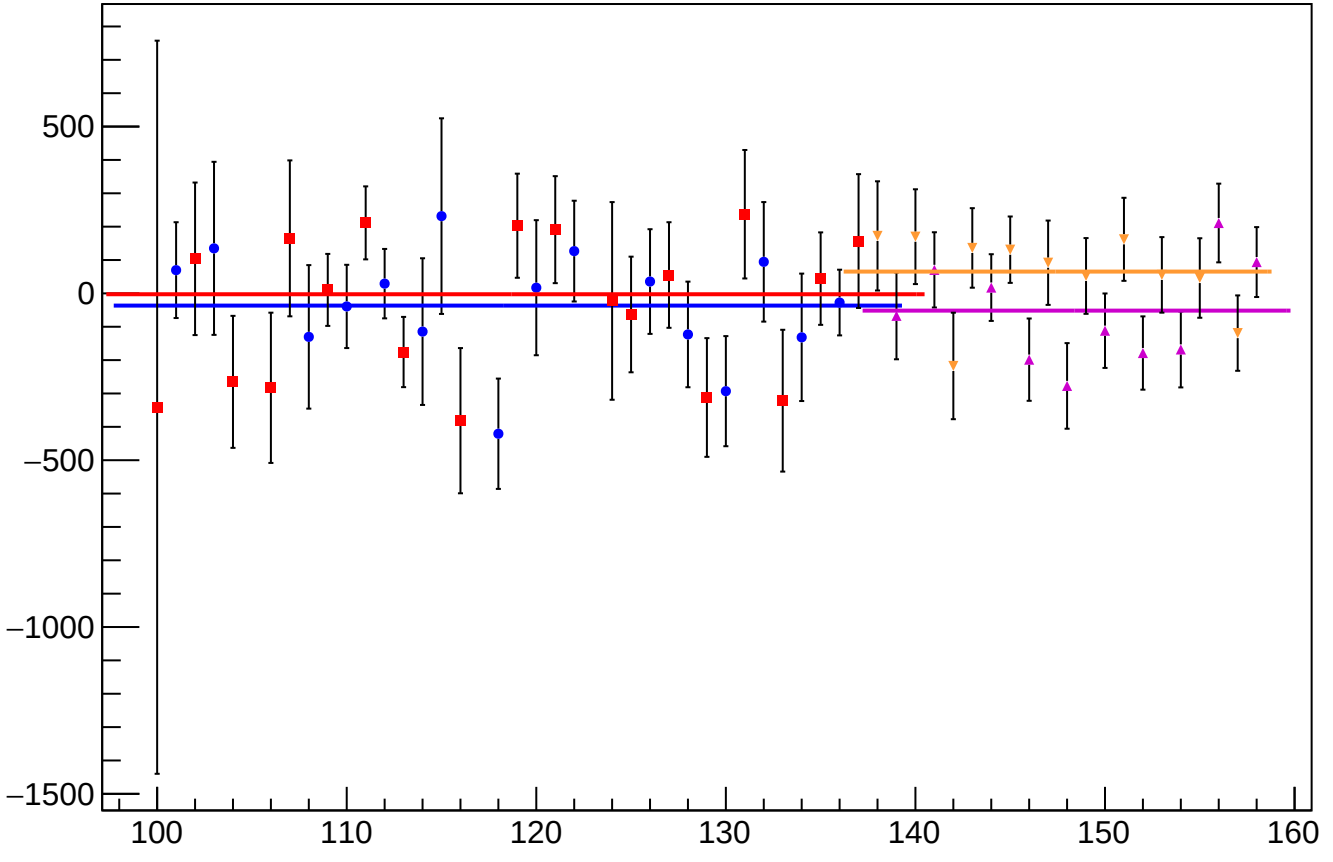
Left In: 841.398+/-0.206 χ^2/NDF:622137.5/9

+ sign 924.909+/-0.171 χ^2/NDF: 2169119.5/26

All: 918.052+/-0.119 χ^2/NDF: 4332041.8/55

- sign 911.506+/-0.167 χ^2/NDF: 2159767.8/28

dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 65.361+/-37.034 χ^2/NDF:8.3/10

Right Out: -2.568+/-38.165 χ^2/NDF: 24.7/18

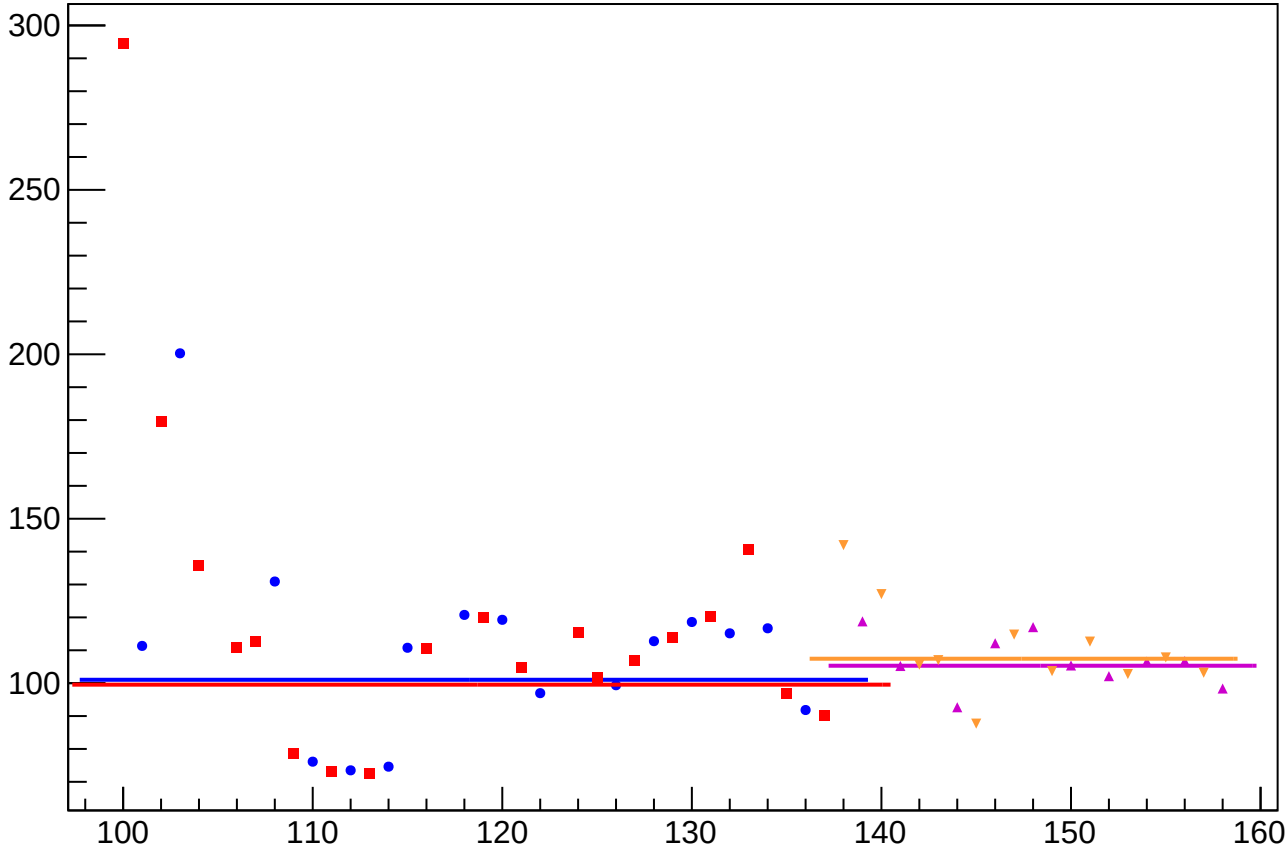
Left In: -51.662+/-36.095 χ^2/NDF:15.7/9

+ sign 17.007+/-26.852 χ^2/NDF: 24.7/26

All: -6.276+/-18.761 χ^2/NDF: 67.6/55

- sign -28.482+/-26.224 χ^2/NDF: 41.4/28

dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 107.433+/-0.026 χ^2/NDF:225034.7/10

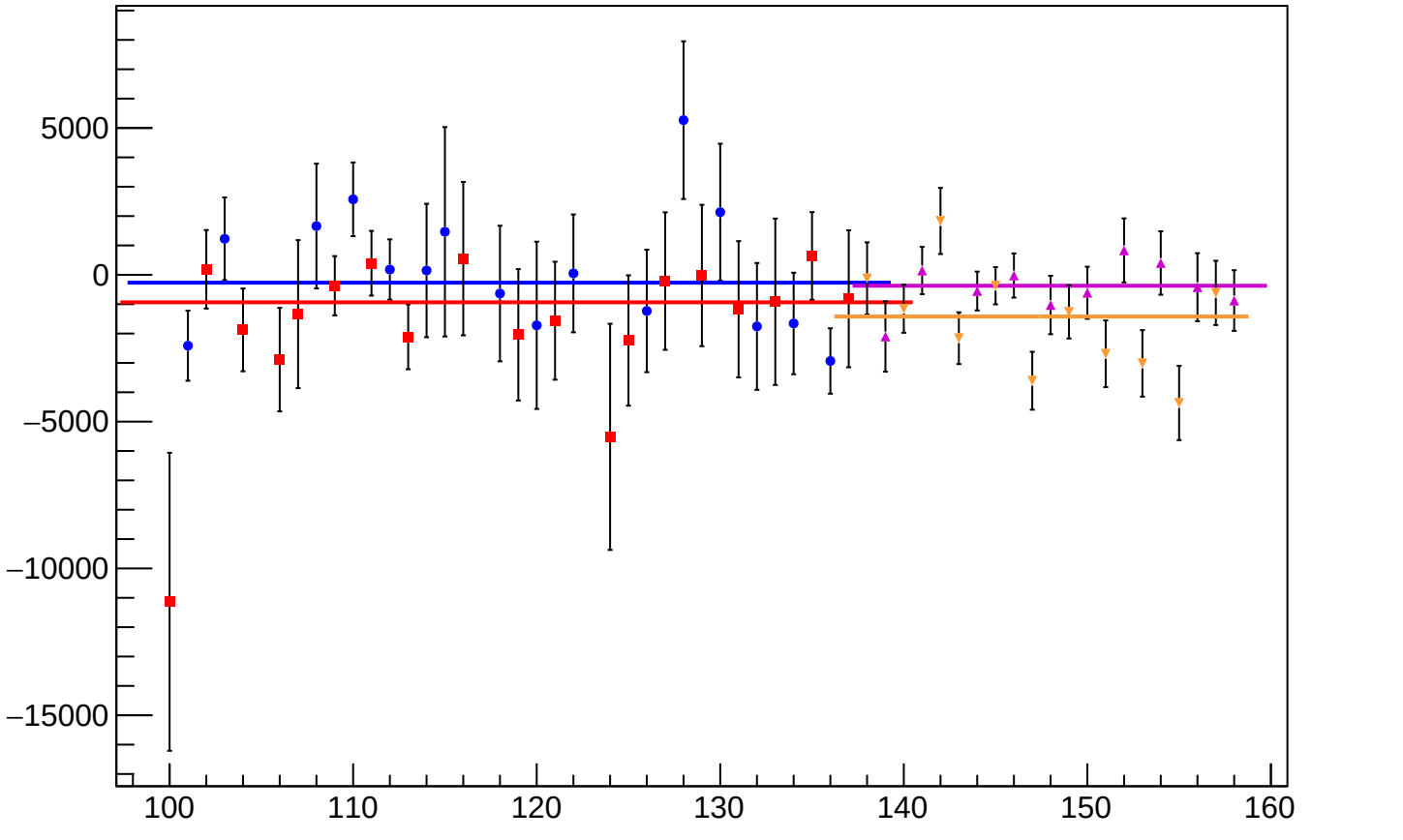
Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

Left In: 105.302+/-0.026 χ^2/NDF:87198.6/9

+ sign 104.397+/-0.019 χ^2/NDF: 969472.5/26

All: 103.469+/-0.013 χ^2/NDF: 1965834.3/55

- sign 102.585+/-0.019 χ^2/NDF: 991702.0/28



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1419.044+/-288.996 χ^2/NDF:27.2/10

Right Out: -936.734+/-396.234 χ^2/NDF: 13.1/18

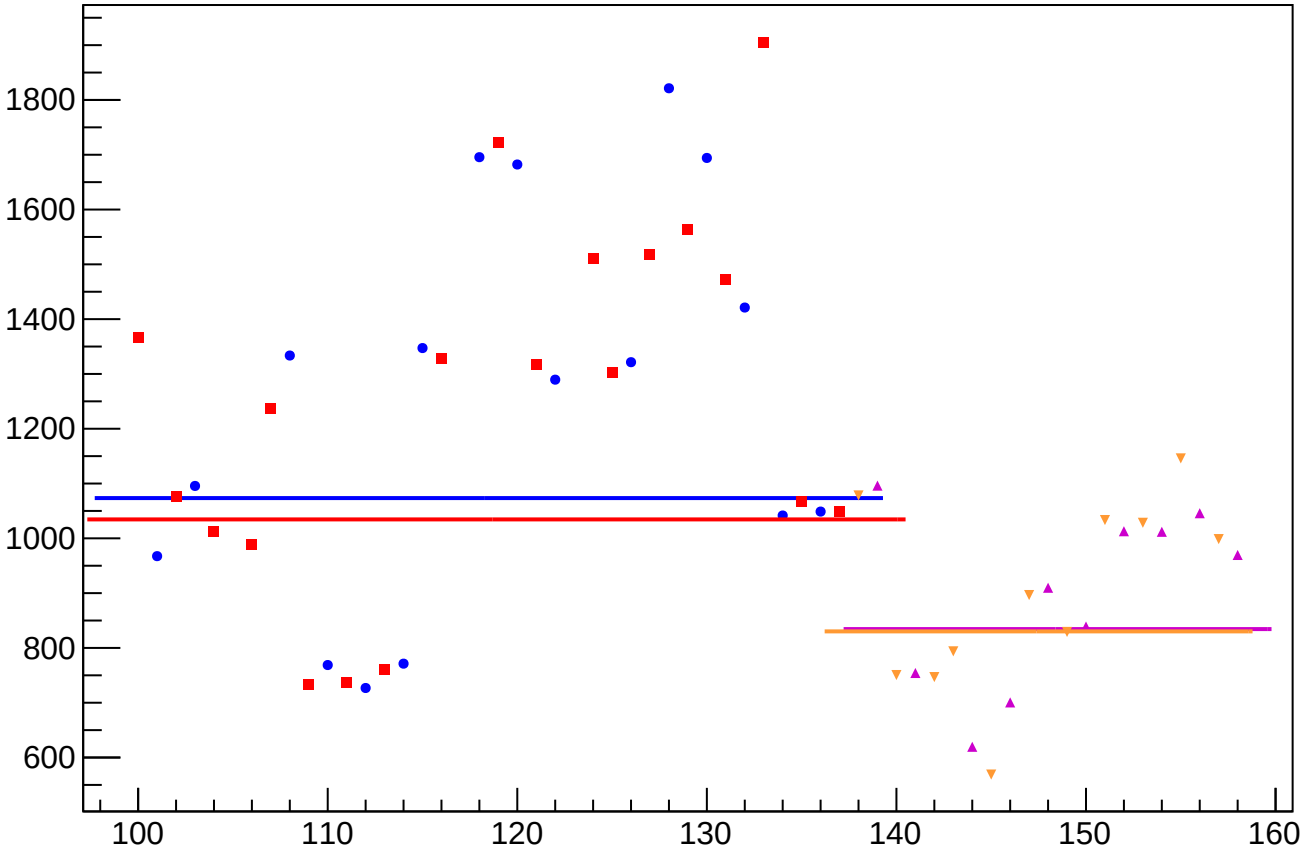
Left In: -372.394+/-289.049 χ^2/NDF:5.3/9

+ sign -1045.612+/-237.541 χ^2/NDF: 55.8/26

All: -802.932+/-166.526 χ^2/NDF: 77.6/55

- sign -568.403+/-233.518 χ^2/NDF: 19.7/28

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 830.180+/-0.204 χ^2/NDF:760956.3/10

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

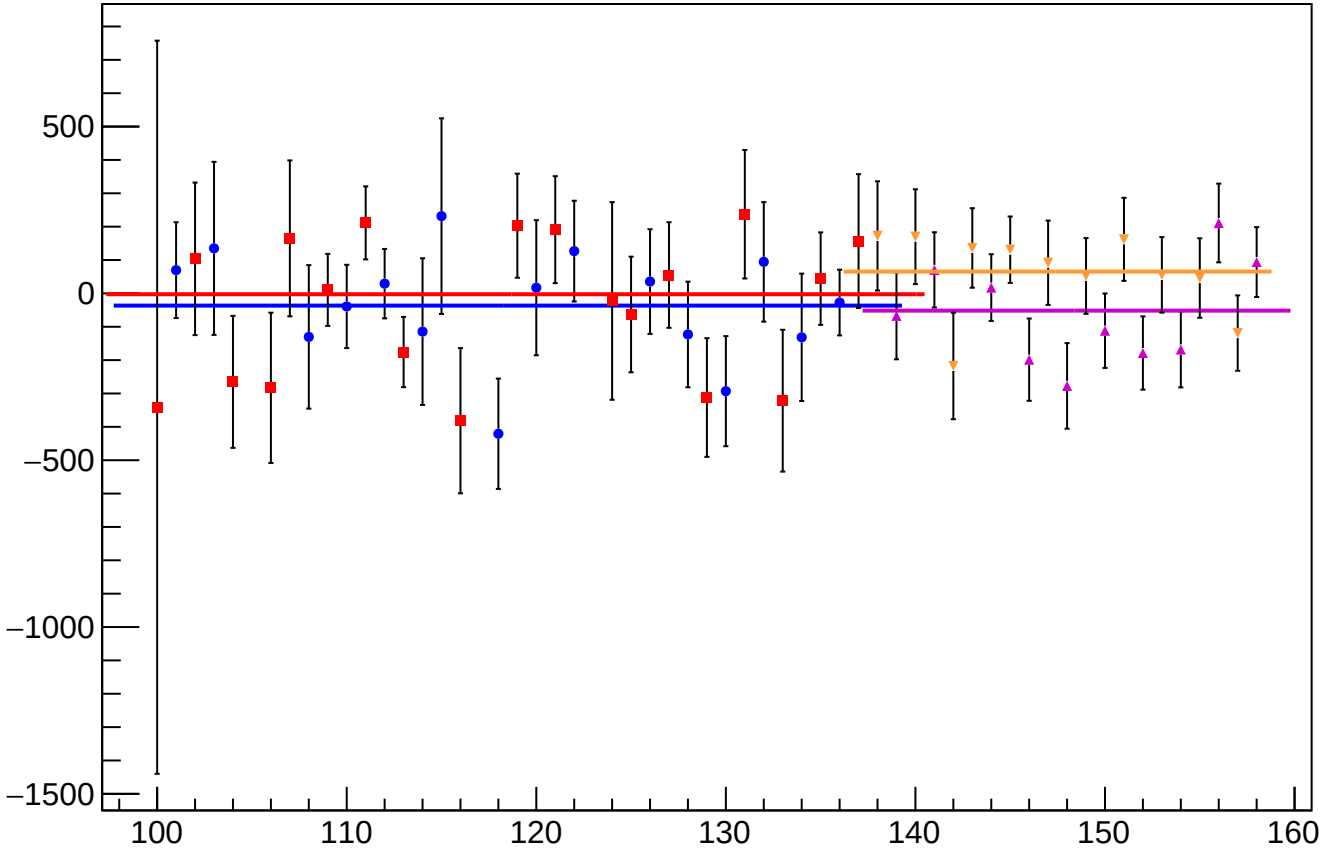
Left In: 834.390+/-0.204 χ^2/NDF:610300.2/9

+ sign 909.098+/-0.168 χ^2/NDF: 2297758.1/26

All: 906.457+/-0.118 χ^2/NDF: 4470942.1/55

- sign 903.905+/-0.165 χ^2/NDF: 2172697.9/28

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.589+/-38.991 χ^2/NDF: 12.9/15

Left Out: 65.362+/-37.034 χ^2/NDF:8.3/10

Right Out: -2.566+/-38.165 χ^2/NDF: 24.7/18

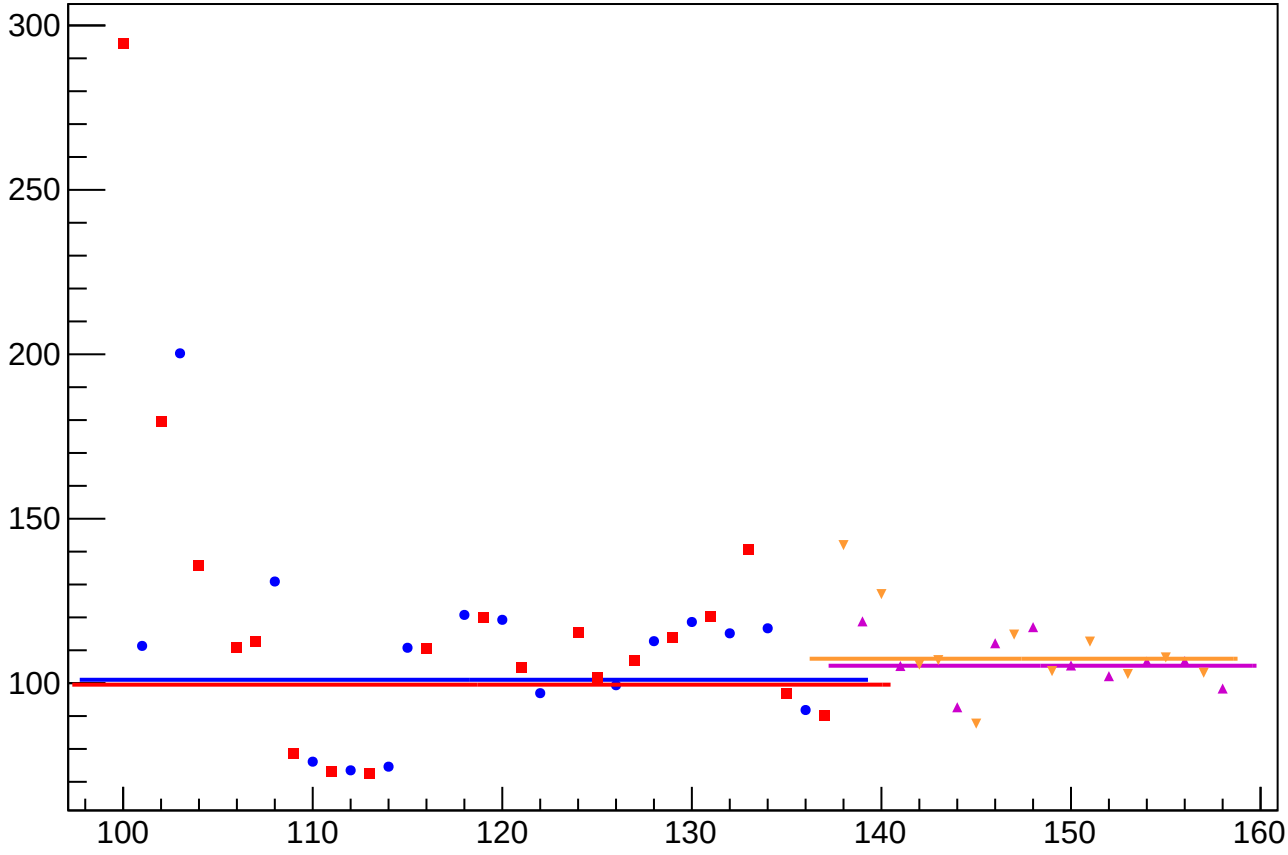
Left In: -51.662+/-36.095 χ^2/NDF:15.7/9

+ sign 17.008+/-26.852 χ^2/NDF: 24.7/26

All: -6.275+/-18.761 χ^2/NDF: 67.6/55

- sign -28.481+/-26.224 χ^2/NDF: 41.4/28

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 107.433+/-0.026 χ^2/NDF:225027.6/10

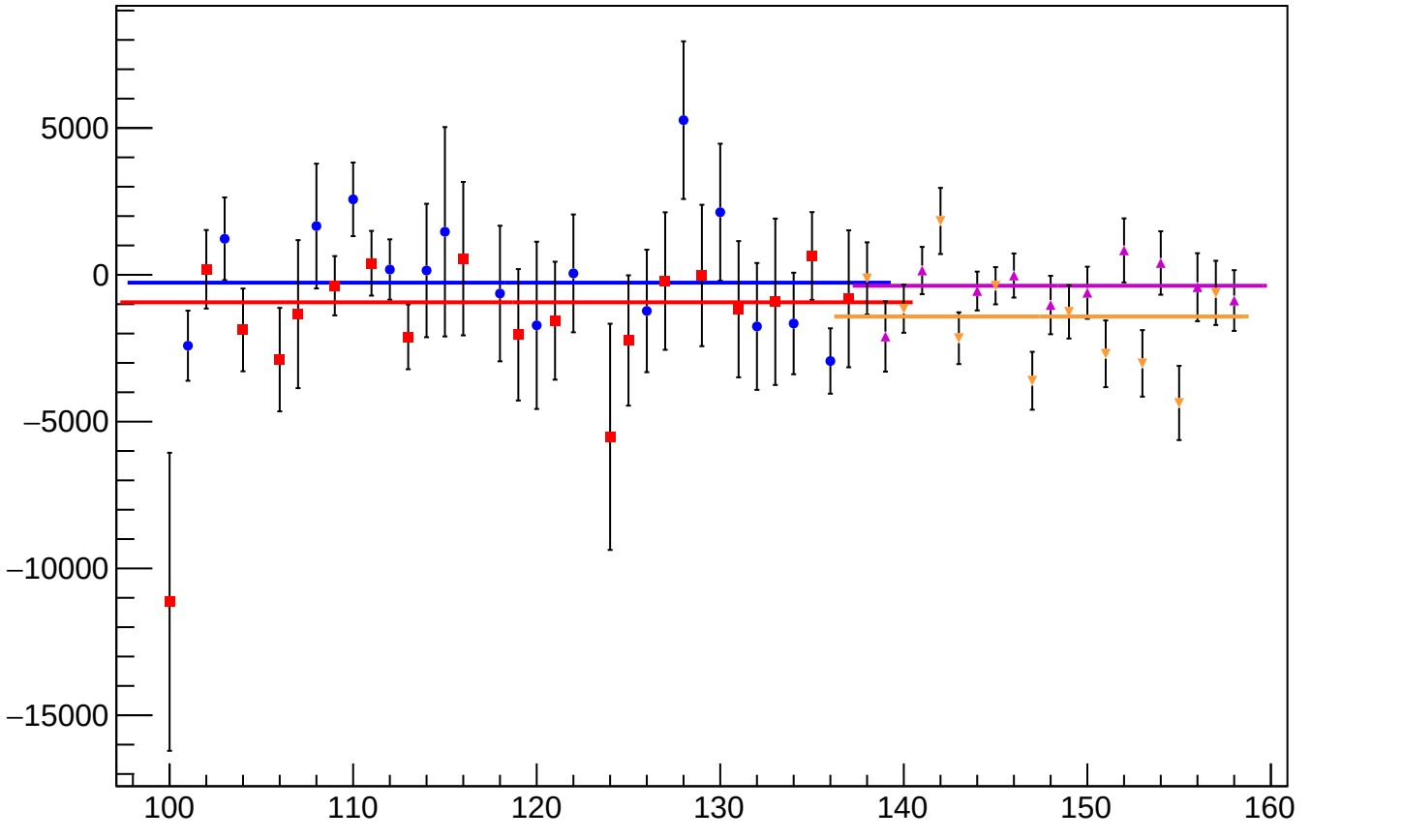
Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 105.303+/-0.026 χ^2/NDF:87196.7/9

+ sign 104.397+/-0.019 χ^2/NDF: 969467.5/26

All: 103.470+/-0.013 χ^2/NDF: 1965832.0/55

- sign 102.585+/-0.019 χ^2/NDF: 991704.5/28



Right In: -267.885+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1419.043+/-288.996 χ^2/NDF:27.2/10

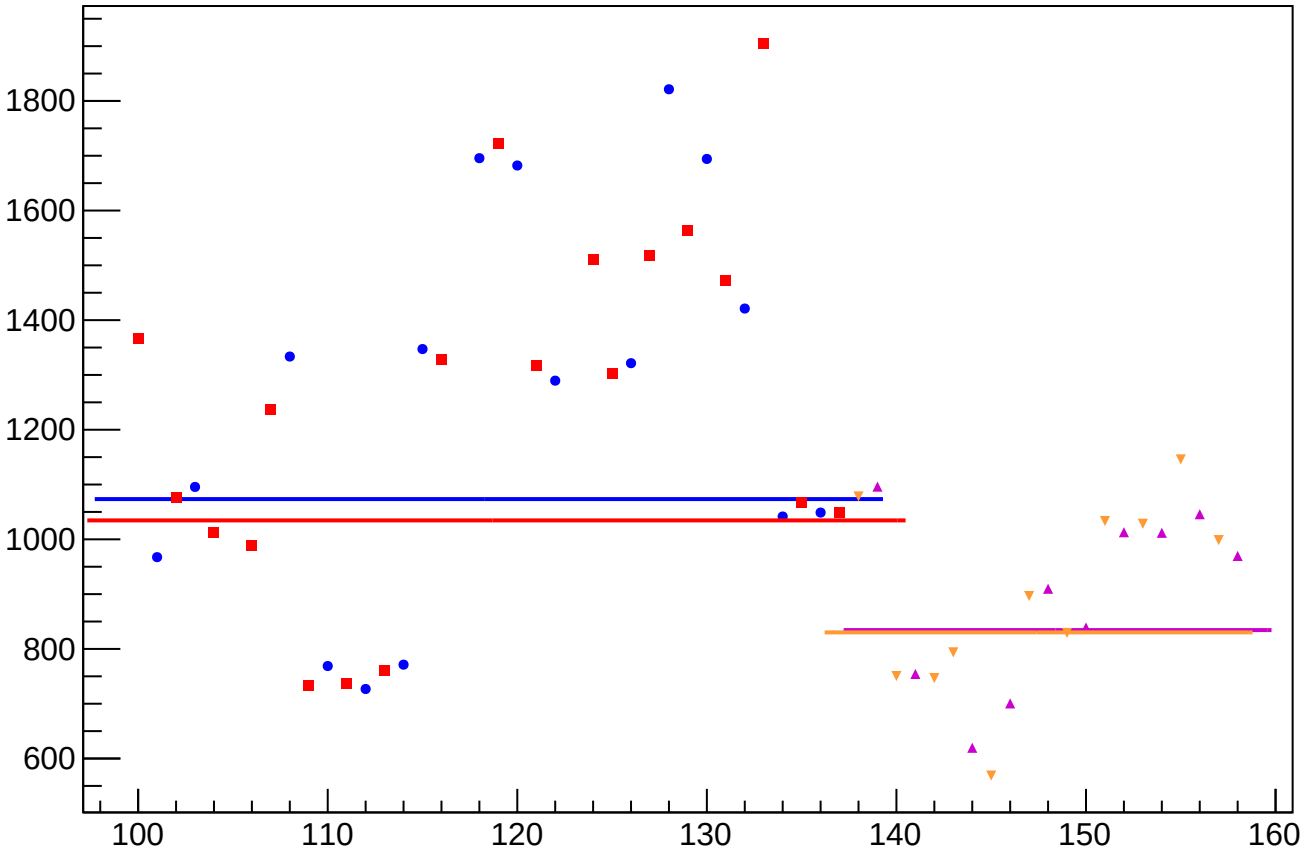
Right Out: -936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: -372.393+/-289.049 χ^2/NDF:5.3/9

+ sign -1045.611+/-237.540 χ^2/NDF: 55.8/26

All: -802.931+/-166.526 χ^2/NDF: 77.6/55

- sign -568.402+/-233.518 χ^2/NDF: 19.7/28



Right In: 1073.454+/-0.295 χ^2/NDF: 1077061.8/15

Left Out: 830.179+/-0.204 χ^2/NDF:760959.4/10

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

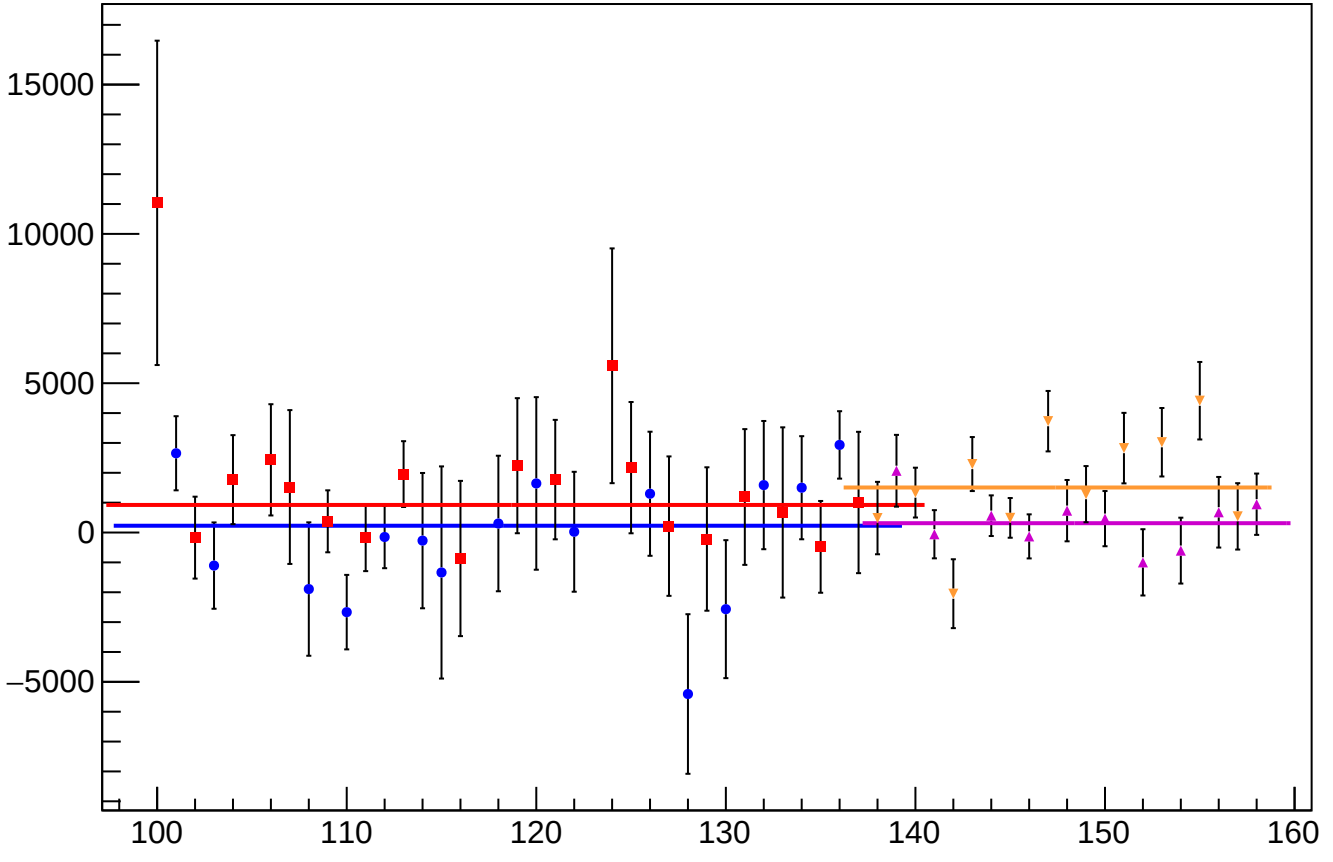
Left In: 834.389+/-0.204 χ^2/NDF:610299.1/9

+ sign 909.097+/-0.168 χ^2/NDF: 2297765.8/26

All: 906.456+/-0.118 χ^2/NDF: 4470949.4/55

- sign 903.904+/-0.165 χ^2/NDF: 2172697.5/28

asym_sam_3748_avg_mean vs Slug



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 1507.963+/-296.932 χ^2/NDF:27.0/10

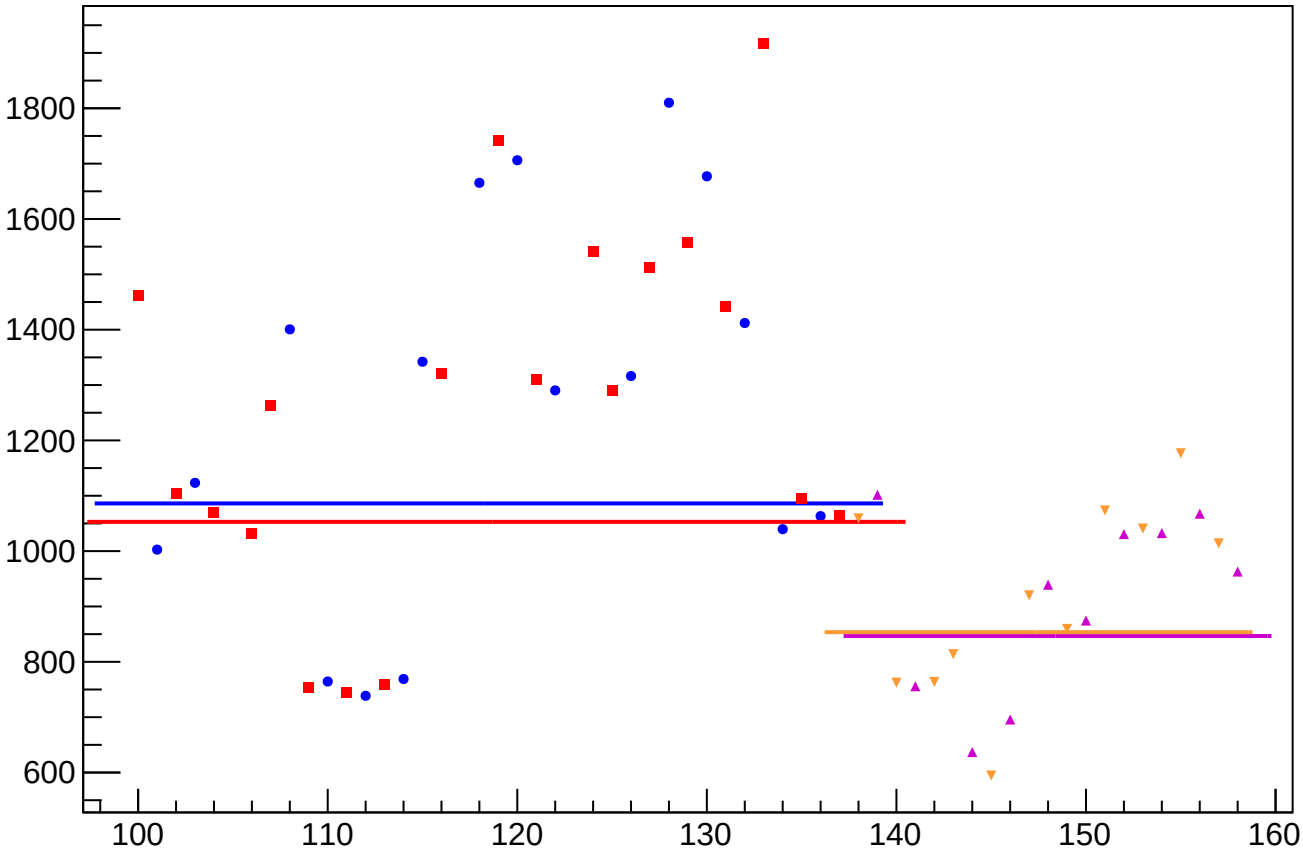
Right Out: 923.649+/-403.102 χ^2/NDF: 11.2/18

Left In: 312.615+/-293.105 χ^2/NDF:5.6/9

+ sign 1083.724+/-242.810 χ^2/NDF: 57.6/26

All: 797.128+/-169.624 χ^2/NDF: 78.6/55

- sign 523.943+/-237.061 χ^2/NDF: 18.3/28



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 853.586+/-0.210 χ^2/NDF:698043.8/10

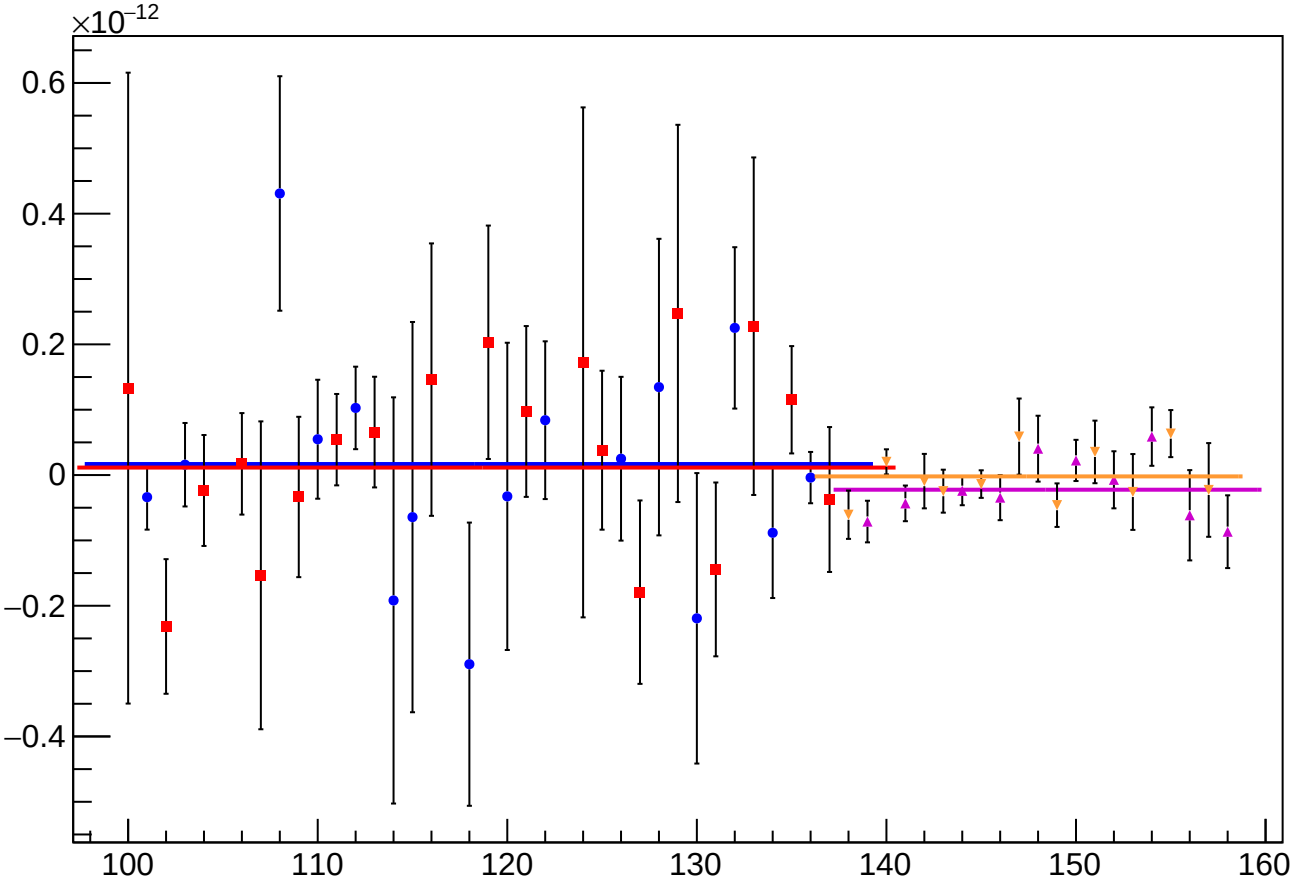
Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 846.623+/-0.207 χ^2/NDF:614387.6/9

+ sign 930.634+/-0.172 χ^2/NDF: 2151963.3/26

All: 924.136+/-0.120 χ^2/NDF: 4305930.7/55

- sign 917.941+/-0.168 χ^2/NDF: 2151169.1/28



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.7/10

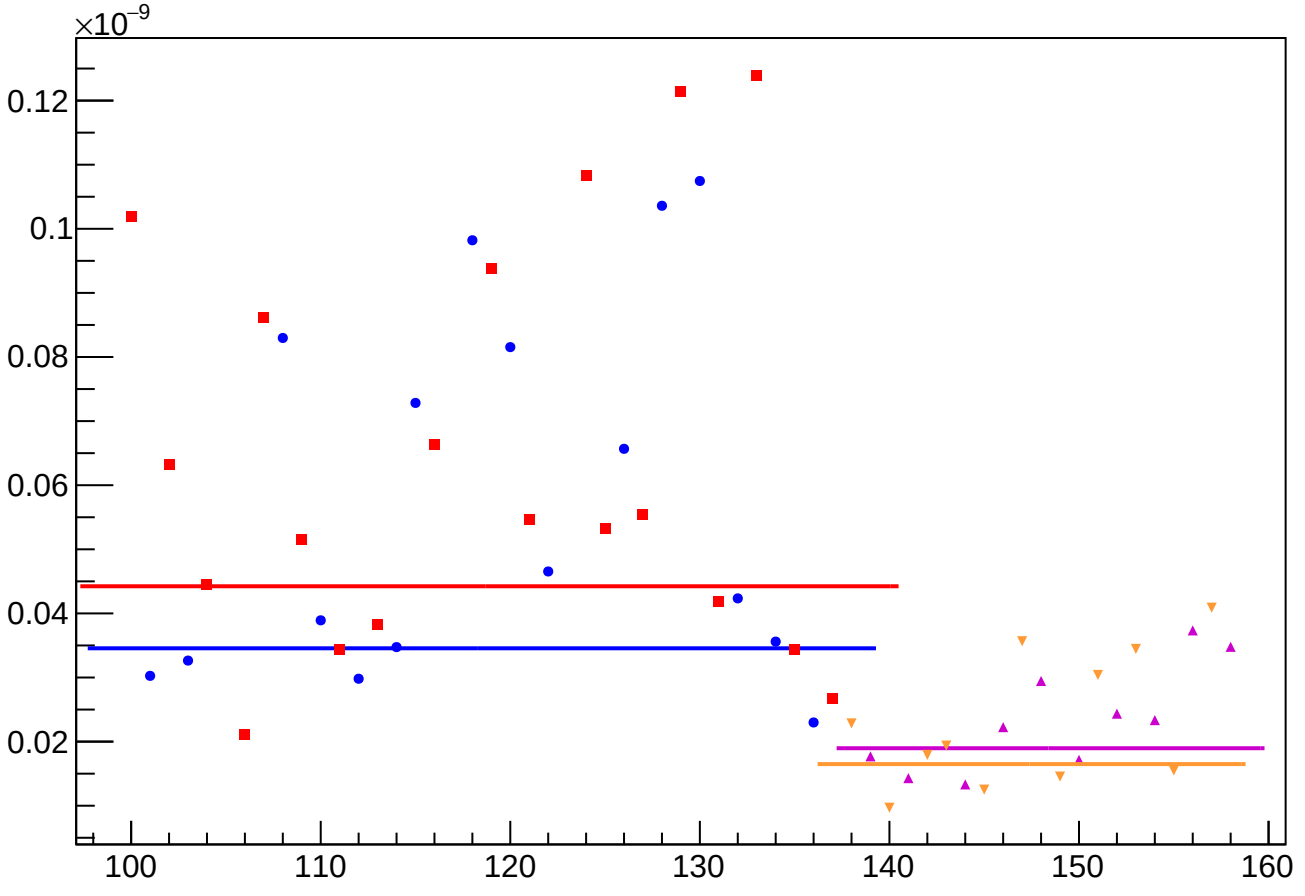
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: -0.000+/-0.000 χ^2/NDF:11.7/9

+ sign 0.000+/-0.000 χ^2/NDF: 29.2/26

All: -0.000+/-0.000 χ^2/NDF: 60.0/55

- sign -0.000+/-0.000 χ^2/NDF: 28.9/28



Right In: 0.000+/-0.000 χ^2/NDF: 1188815.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1215910.5/10

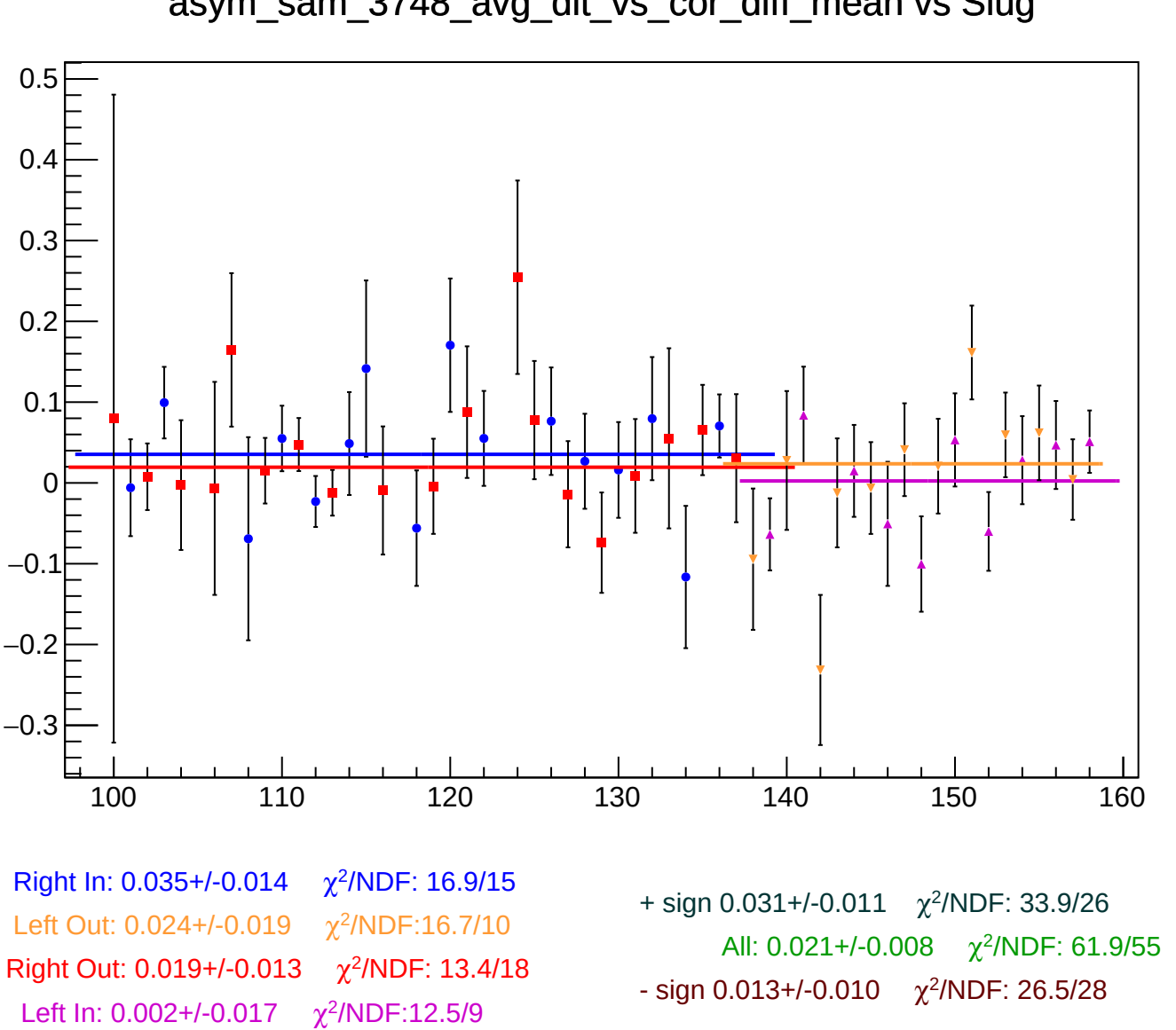
Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

Left In: 0.000+/-0.000 χ^2/NDF:655872.5/9

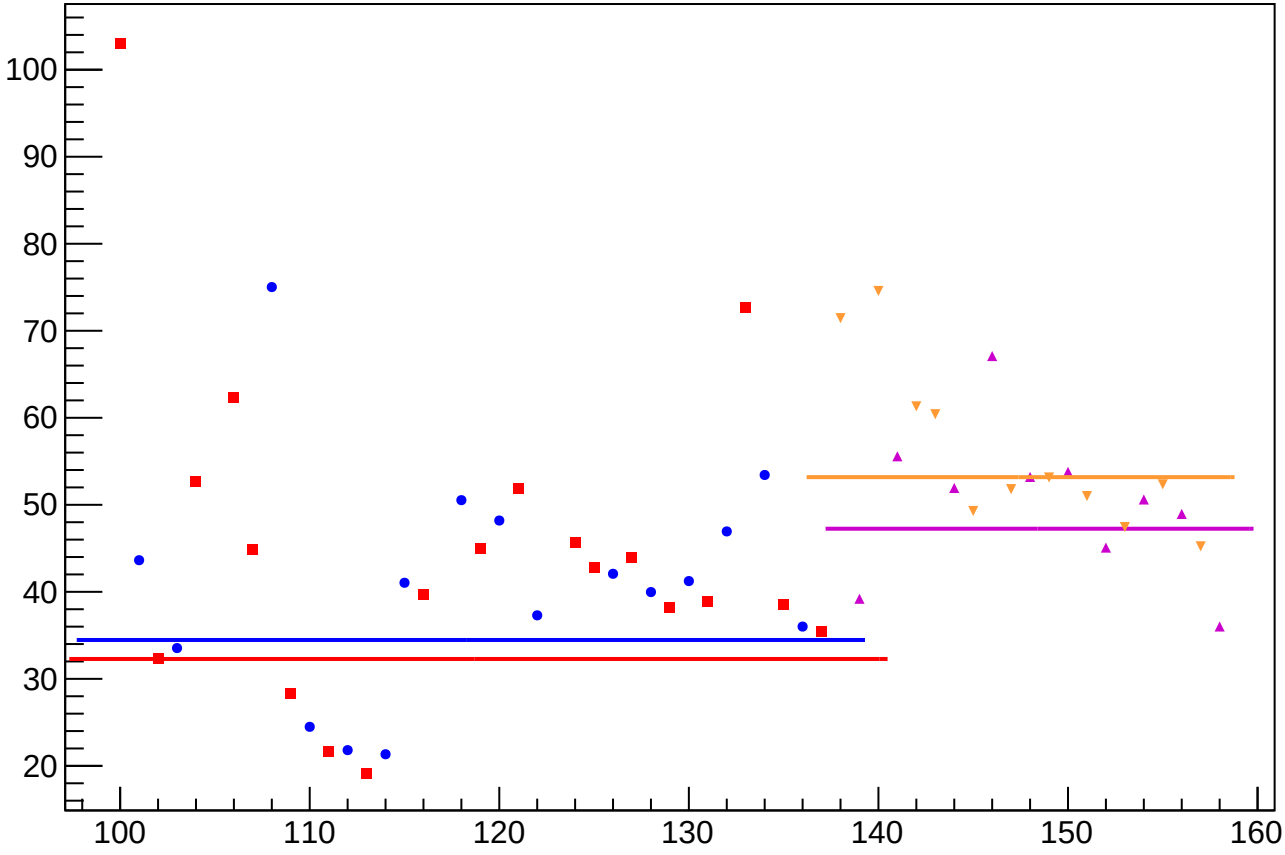
+ sign 0.000+/-0.000 χ^2/NDF: 3538963.9/26

All: 0.000+/-0.000 χ^2/NDF: 6874984.8/55

- sign 0.000+/-0.000 χ^2/NDF: 3238370.9/28


asym_sam_3748_avg_dit_vs_cor_diff_mean vs Slug
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
Right In: 0.035+/-0.014 χ²/NDF: 16.9/15
Left Out: 0.024+/-0.019 χ²/NDF:16.7/10
Right Out: 0.019+/-0.013 χ²/NDF: 13.4/18
Left In: 0.002+/-0.017 χ²/NDF:12.5/9
+ sign 0.031+/-0.011 χ²/NDF: 33.9/26
All: 0.021+/-0.008 χ²/NDF: 61.9/55
- sign 0.013+/-0.010 χ²/NDF: 26.5/28

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 53.180+/-0.013 χ^2/NDF:338287.0/10

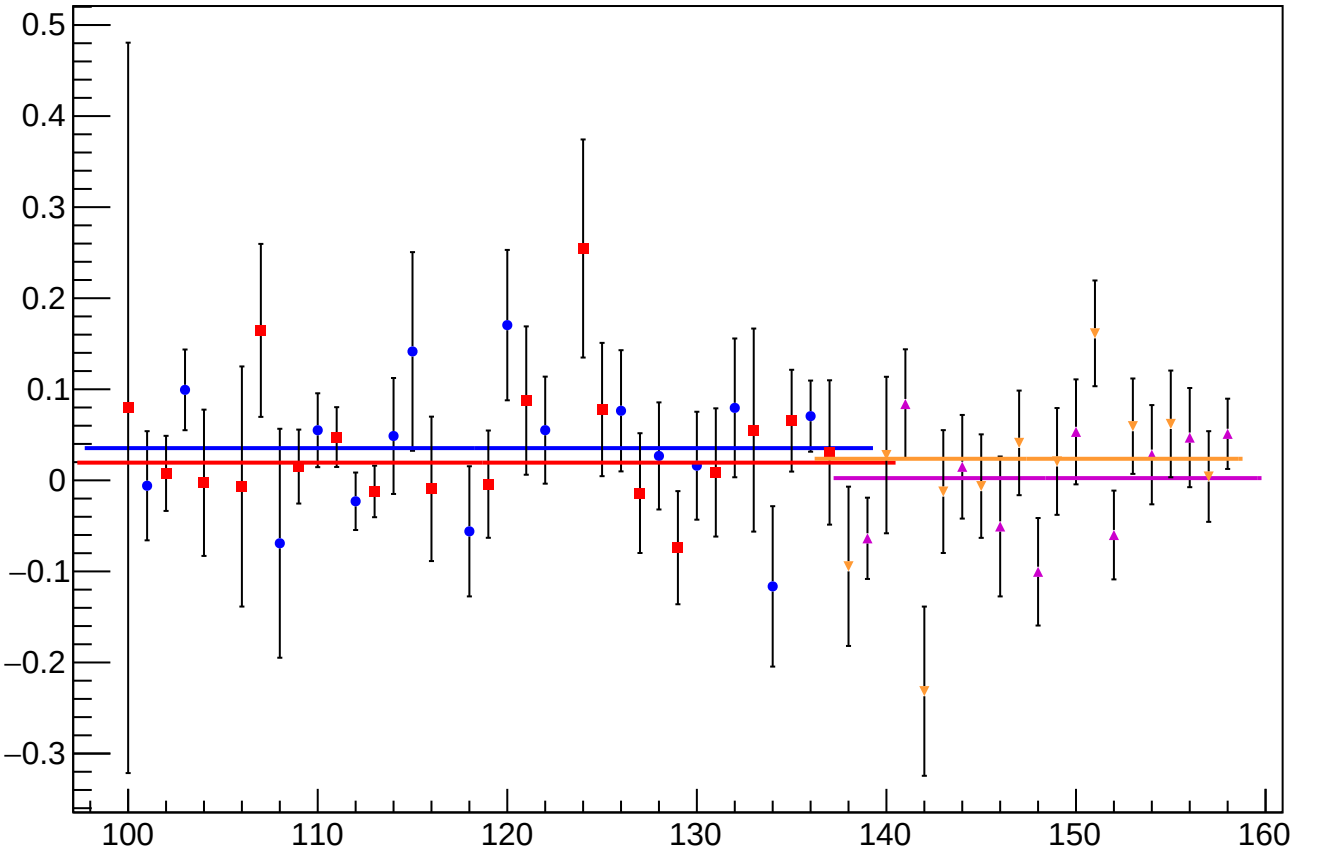
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 47.253+/-0.012 χ^2/NDF:479401.1/9

+ sign 41.124+/-0.008 χ^2/NDF: 2800333.1/26

All: 39.452+/-0.005 χ^2/NDF: 6033421.4/55

- sign 38.024+/-0.007 χ^2/NDF: 3149723.6/28



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.024+/-0.019 χ^2/NDF:16.7/10

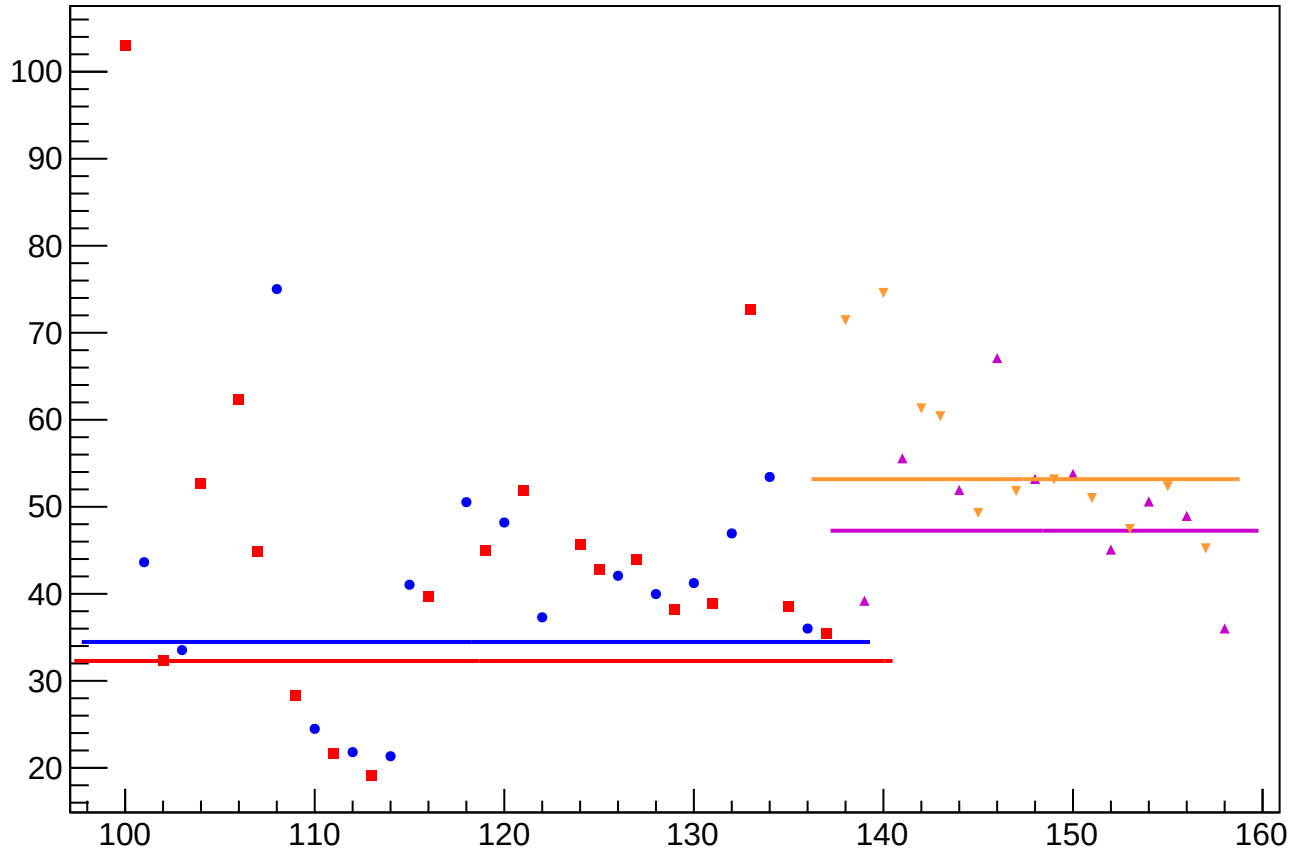
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.002+/-0.017 χ^2/NDF:12.5/9

+ sign 0.031+/-0.011 χ^2/NDF: 33.9/26

All: 0.021+/-0.008 χ^2/NDF: 61.9/55

- sign 0.013+/-0.010 χ^2/NDF: 26.5/28



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 53.180+/-0.013 χ^2/NDF:338287.0/10

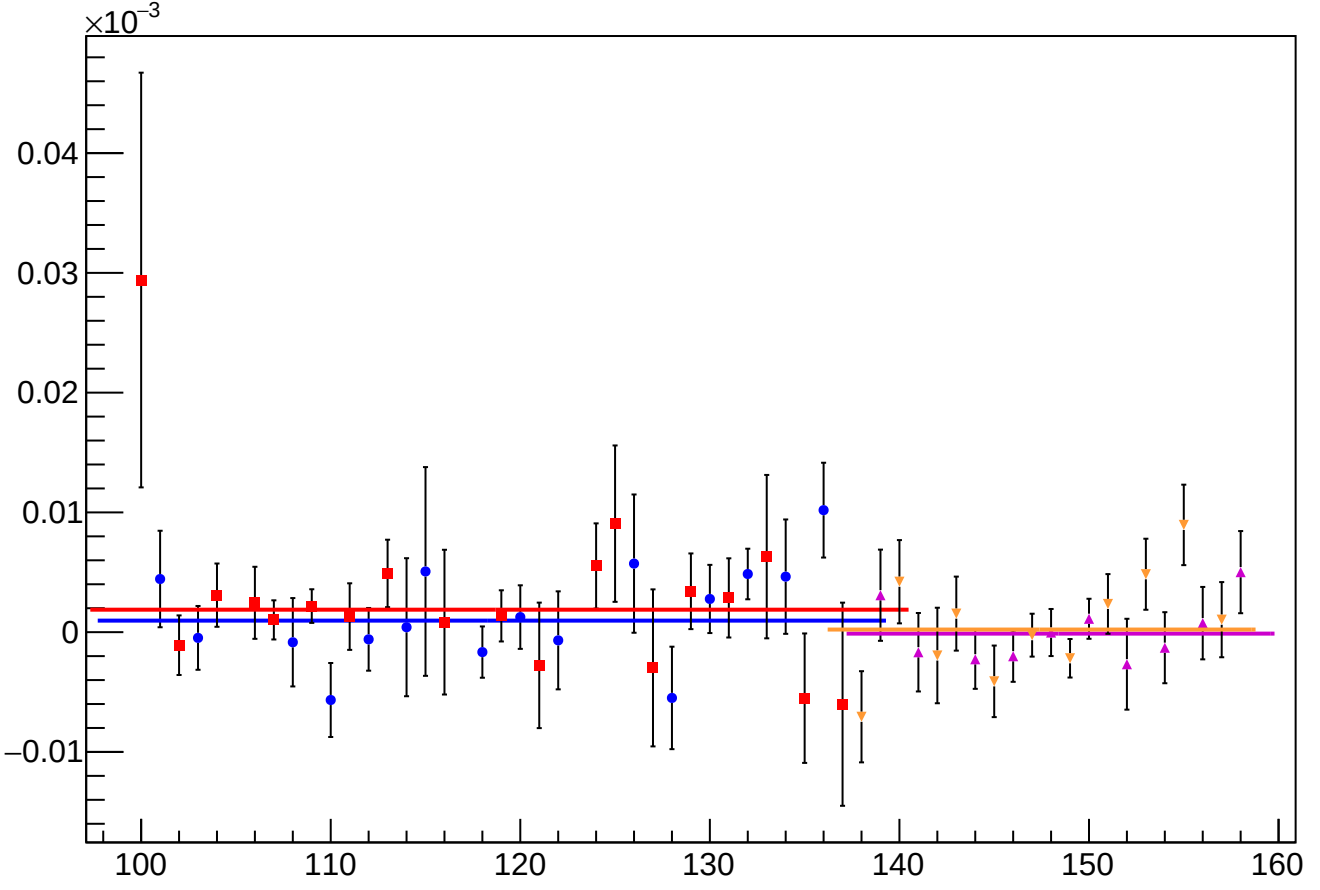
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 47.253+/-0.012 χ^2/NDF:479401.1/9

+ sign 41.124+/-0.008 χ^2/NDF: 2800333.1/26

All: 39.452+/-0.005 χ^2/NDF: 6033421.4/55

- sign 38.024+/-0.007 χ^2/NDF: 3149723.6/28



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/10

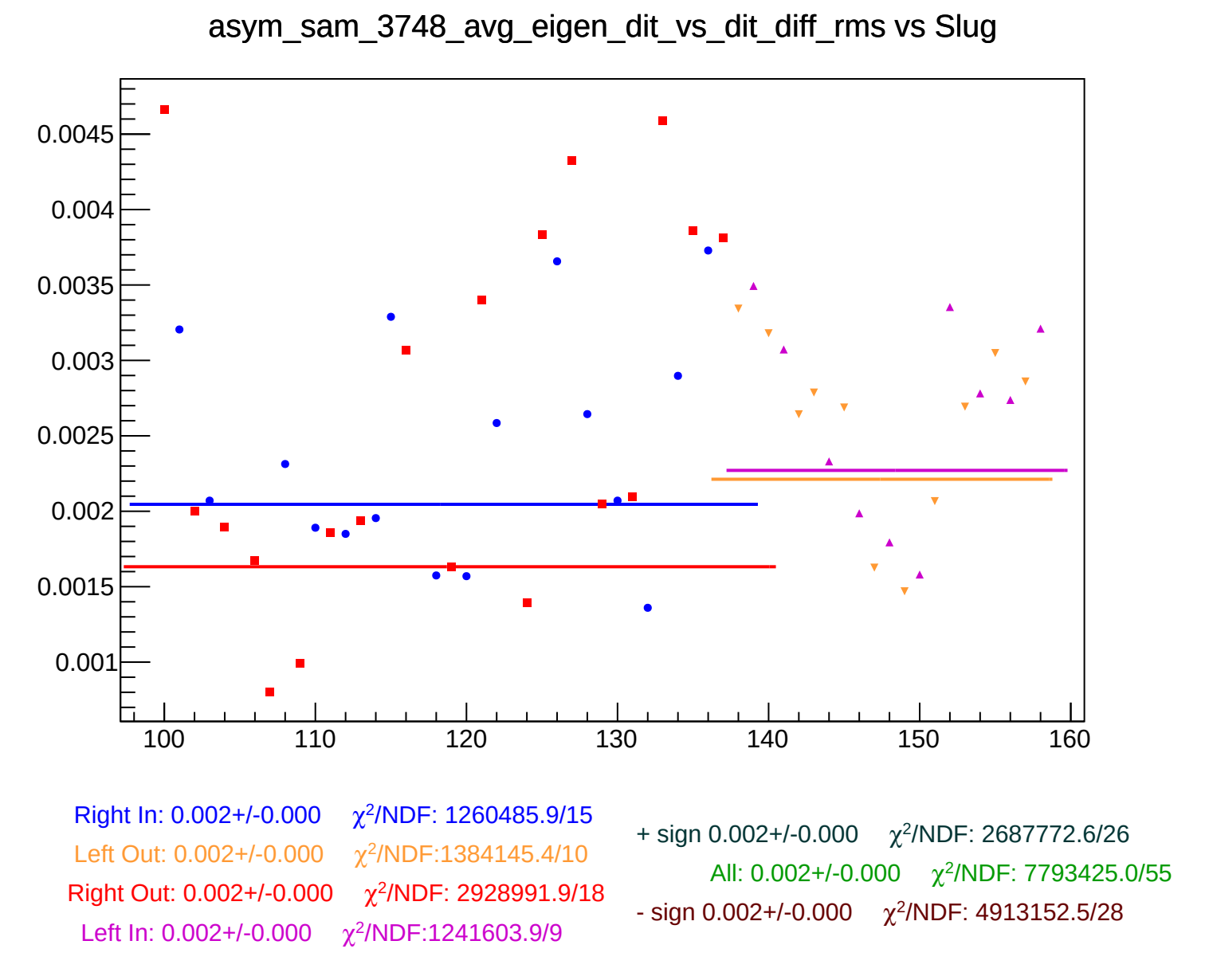
Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

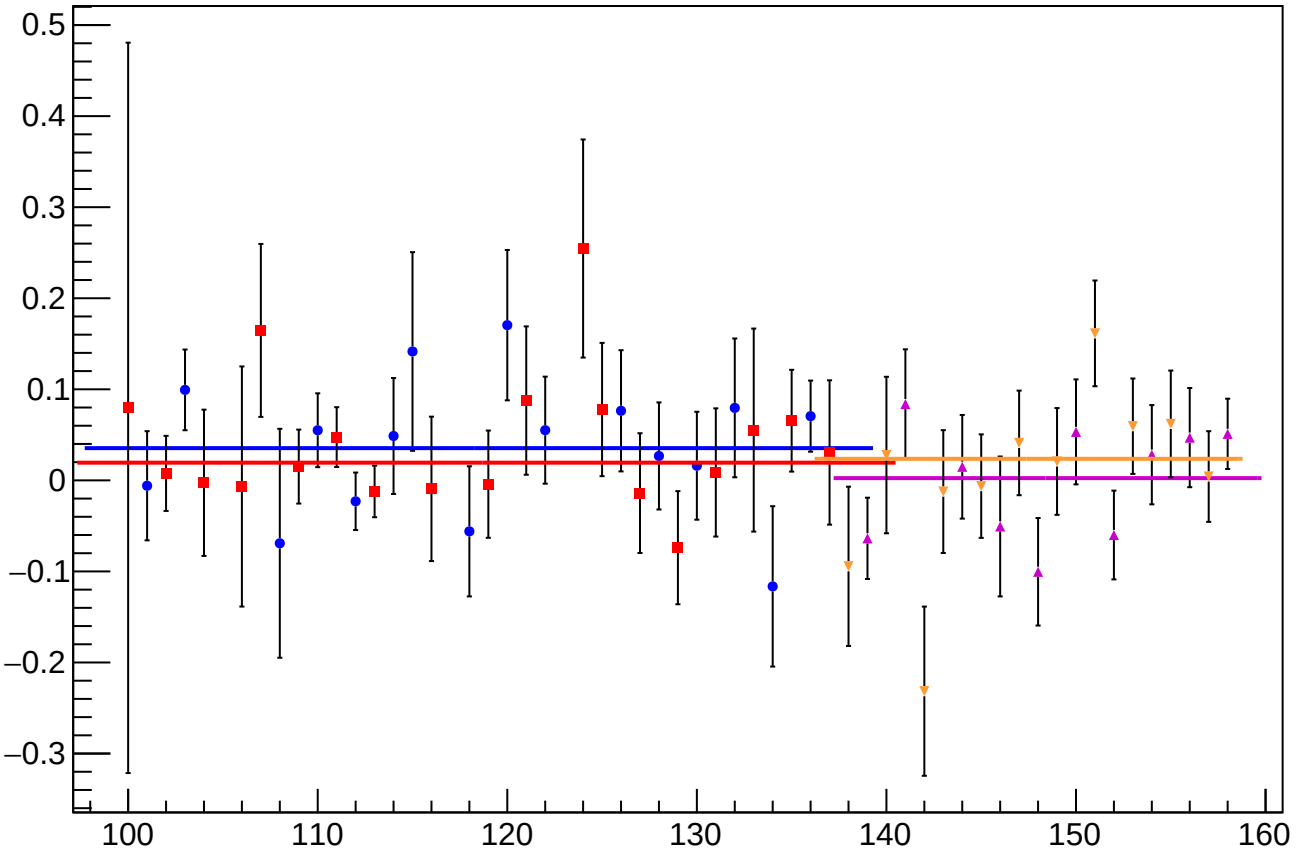
Left In: -0.000+/-0.000 χ^2/NDF:6.0/9

+ sign 0.000+/-0.000 χ^2/NDF: 41.2/26

All: 0.000+/-0.000 χ^2/NDF: 64.1/55

- sign 0.000+/-0.000 χ^2/NDF: 22.5/28


asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
110
120
130
140
150
160
Right In: 0.002+/-0.000 χ²/NDF: 1260485.9/15
Left Out: 0.002+/-0.000 χ²/NDF:1384145.4/10
Right Out: 0.002+/-0.000 χ²/NDF: 2928991.9/18
Left In: 0.002+/-0.000 χ²/NDF:1241603.9/9
+ sign 0.002+/-0.000 χ²/NDF: 2687772.6/26
All: 0.002+/-0.000 χ²/NDF: 7793425.0/55
- sign 0.002+/-0.000 χ²/NDF: 4913152.5/28



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.024+/-0.019 χ^2/NDF:16.7/10

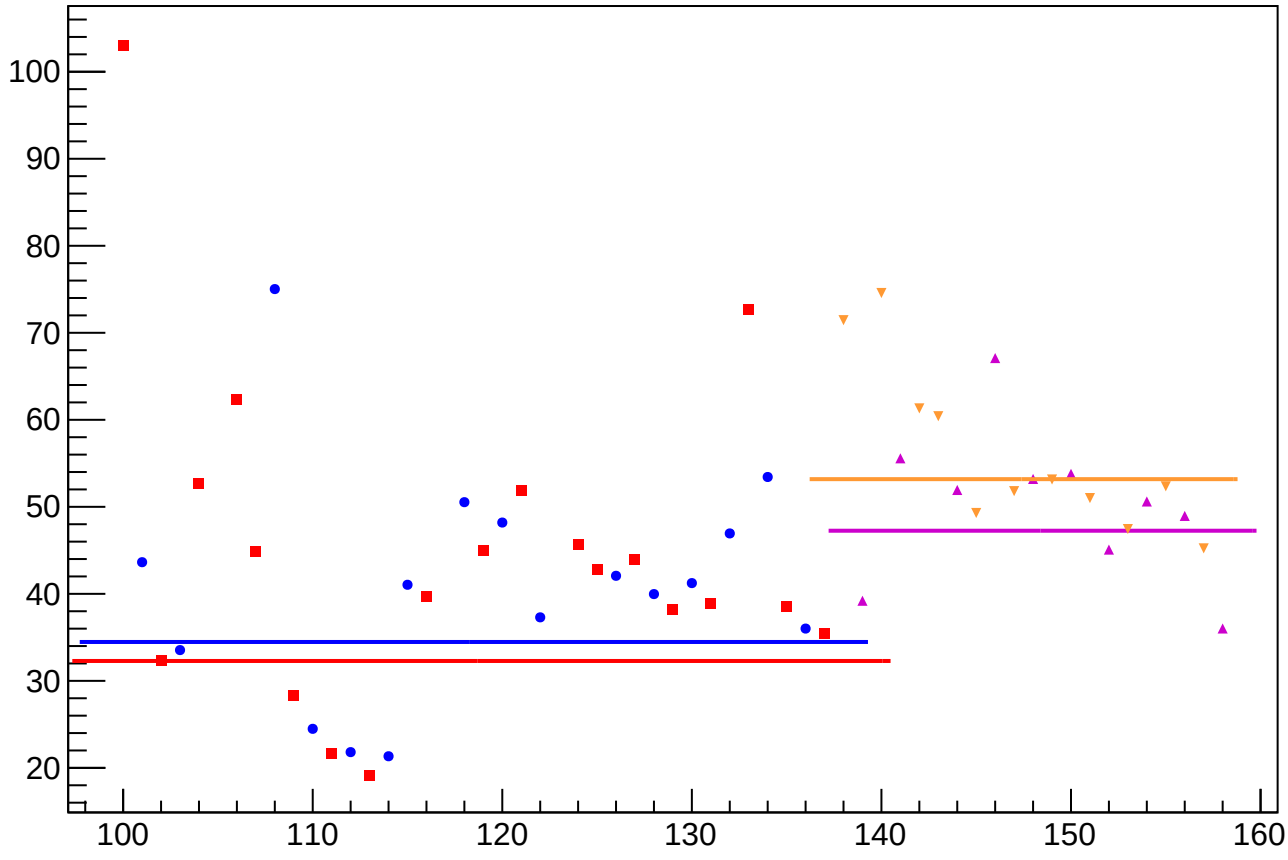
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.002+/-0.017 χ^2/NDF:12.5/9

+ sign 0.031+/-0.011 χ^2/NDF: 33.9/26

All: 0.021+/-0.008 χ^2/NDF: 61.9/55

- sign 0.013+/-0.010 χ^2/NDF: 26.5/28



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 53.181+/-0.013 χ^2/NDF:338262.2/10

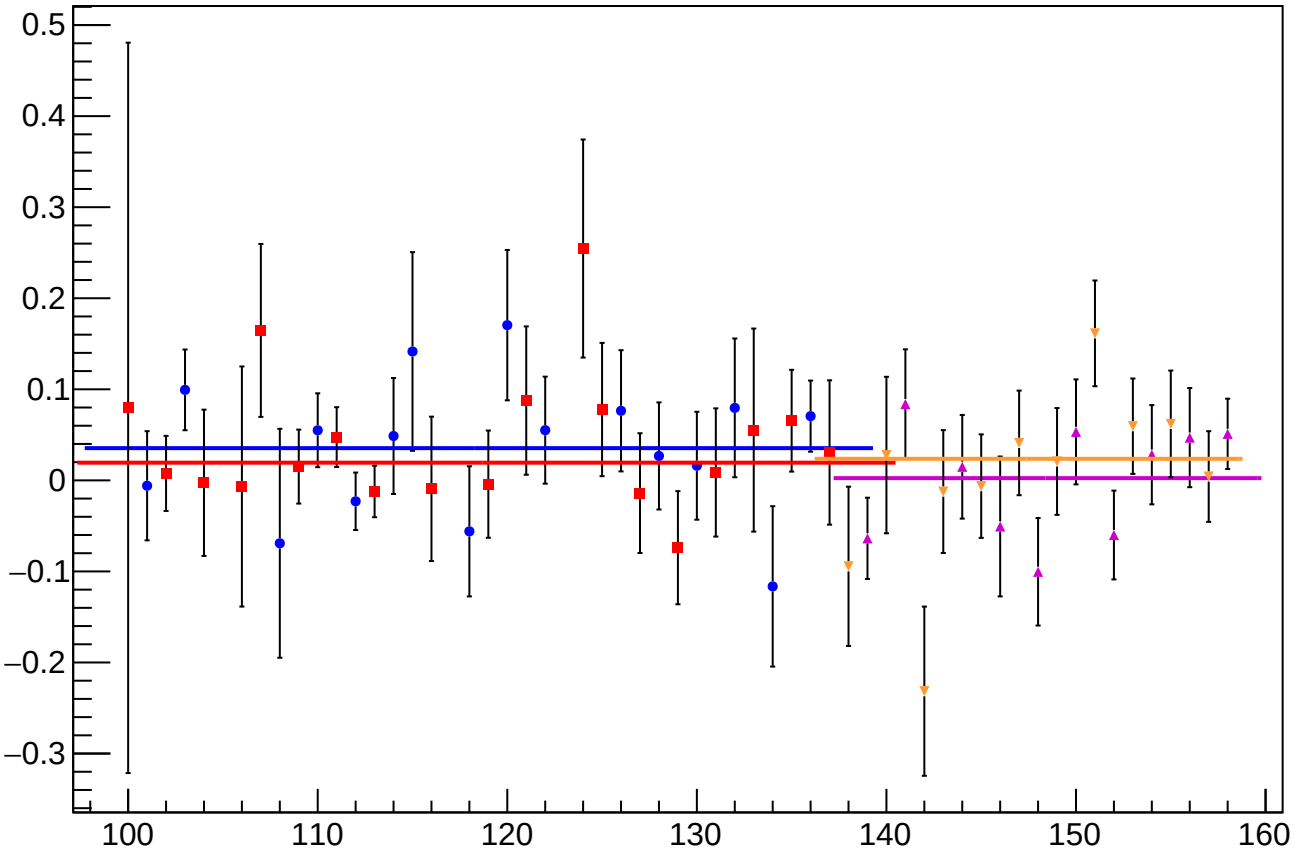
Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 47.254+/-0.012 χ^2/NDF:479422.3/9

+ sign 41.124+/-0.008 χ^2/NDF: 2800320.1/26

All: 39.453+/-0.005 χ^2/NDF: 6033409.6/55

- sign 38.025+/-0.007 χ^2/NDF: 3149723.2/28



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.024+/-0.019 χ^2/NDF:16.7/10

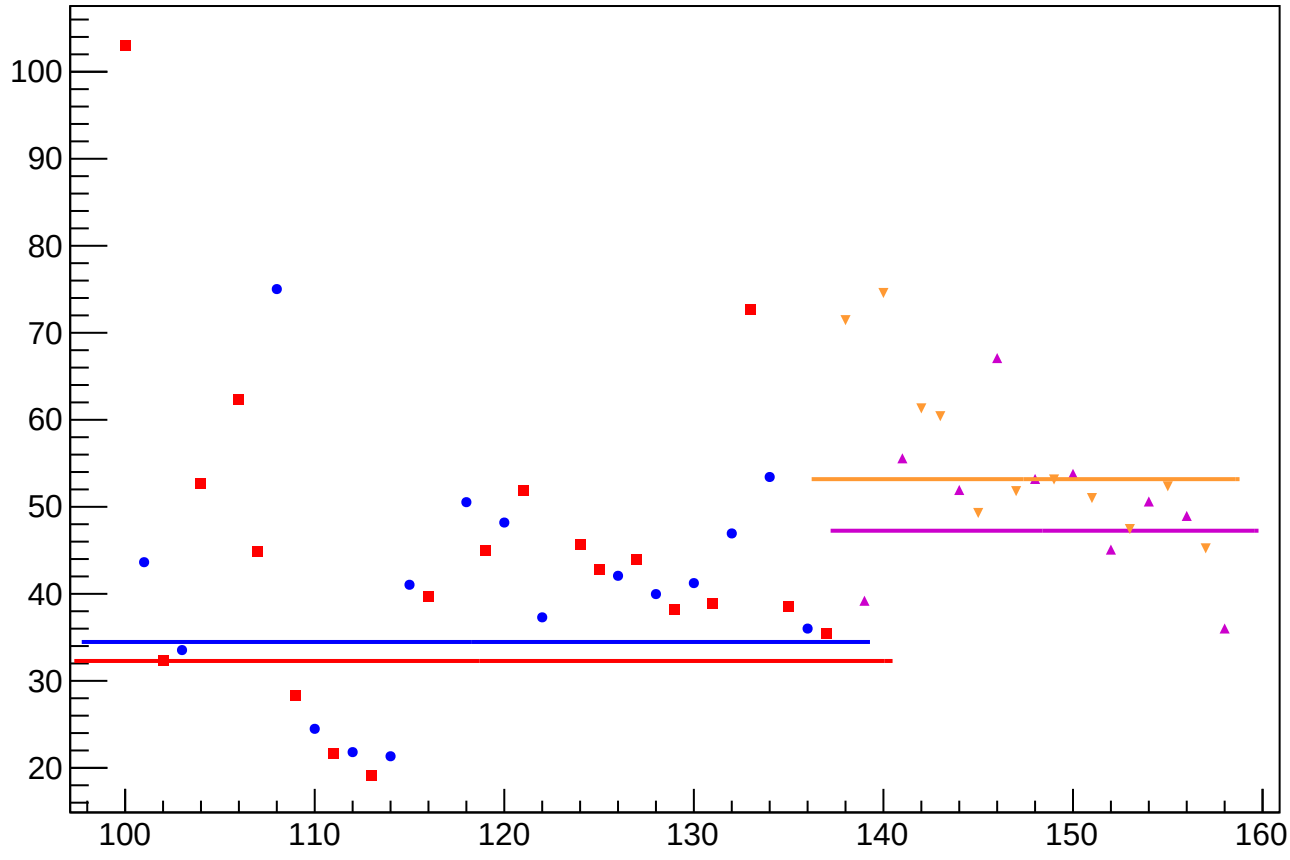
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.002+/-0.017 χ^2/NDF:12.5/9

+ sign 0.031+/-0.011 χ^2/NDF: 33.9/26

All: 0.021+/-0.008 χ^2/NDF: 61.9/55

- sign 0.013+/-0.010 χ^2/NDF: 26.5/28



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 53.181+/-0.013 χ^2/NDF:338262.2/10

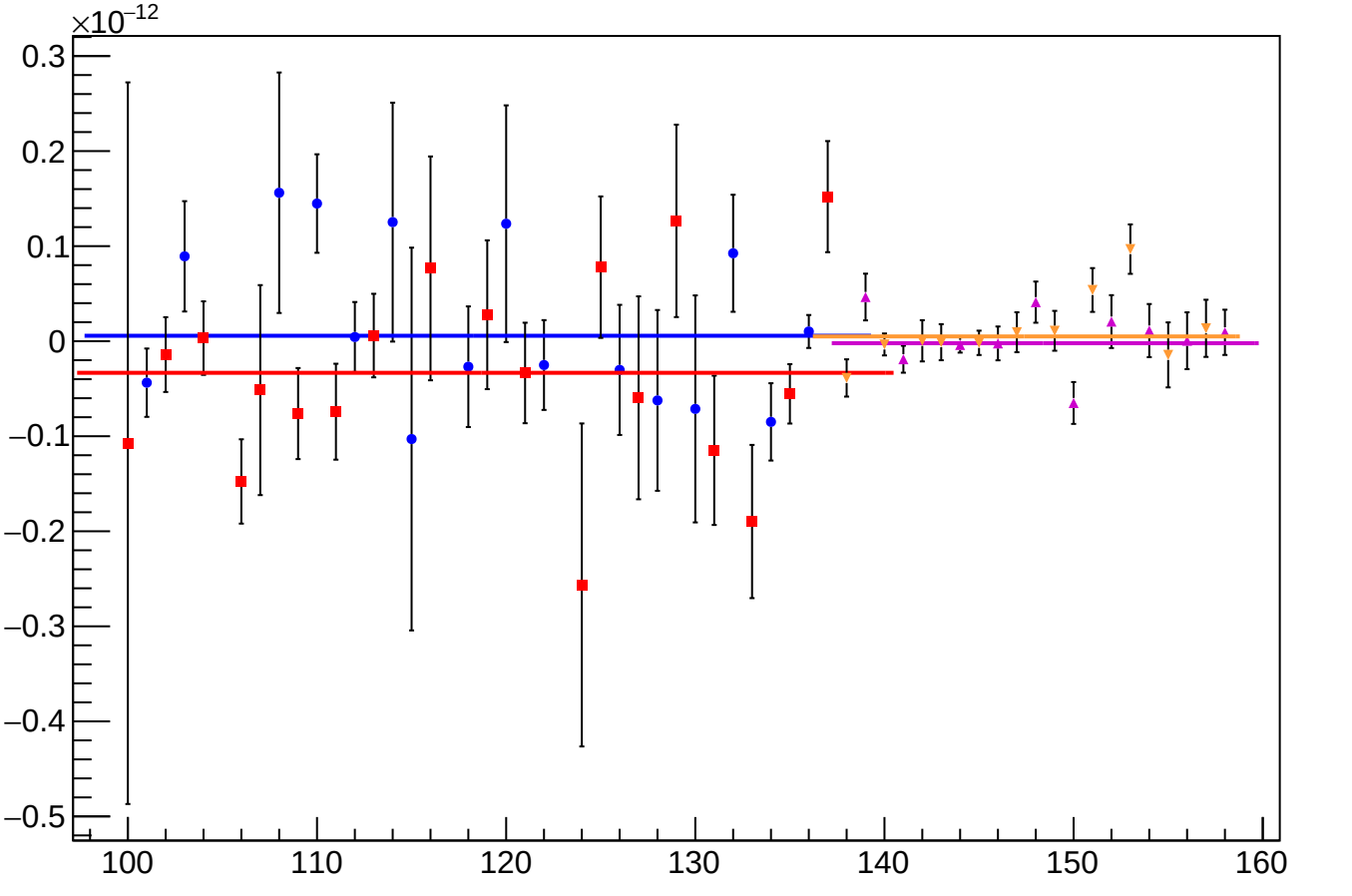
Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 47.254+/-0.012 χ^2/NDF:479422.3/9

+ sign 41.124+/-0.008 χ^2/NDF: 2800320.1/26

All: 39.453+/-0.005 χ^2/NDF: 6033409.6/55

- sign 38.025+/-0.007 χ^2/NDF: 3149723.2/28



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.4/10

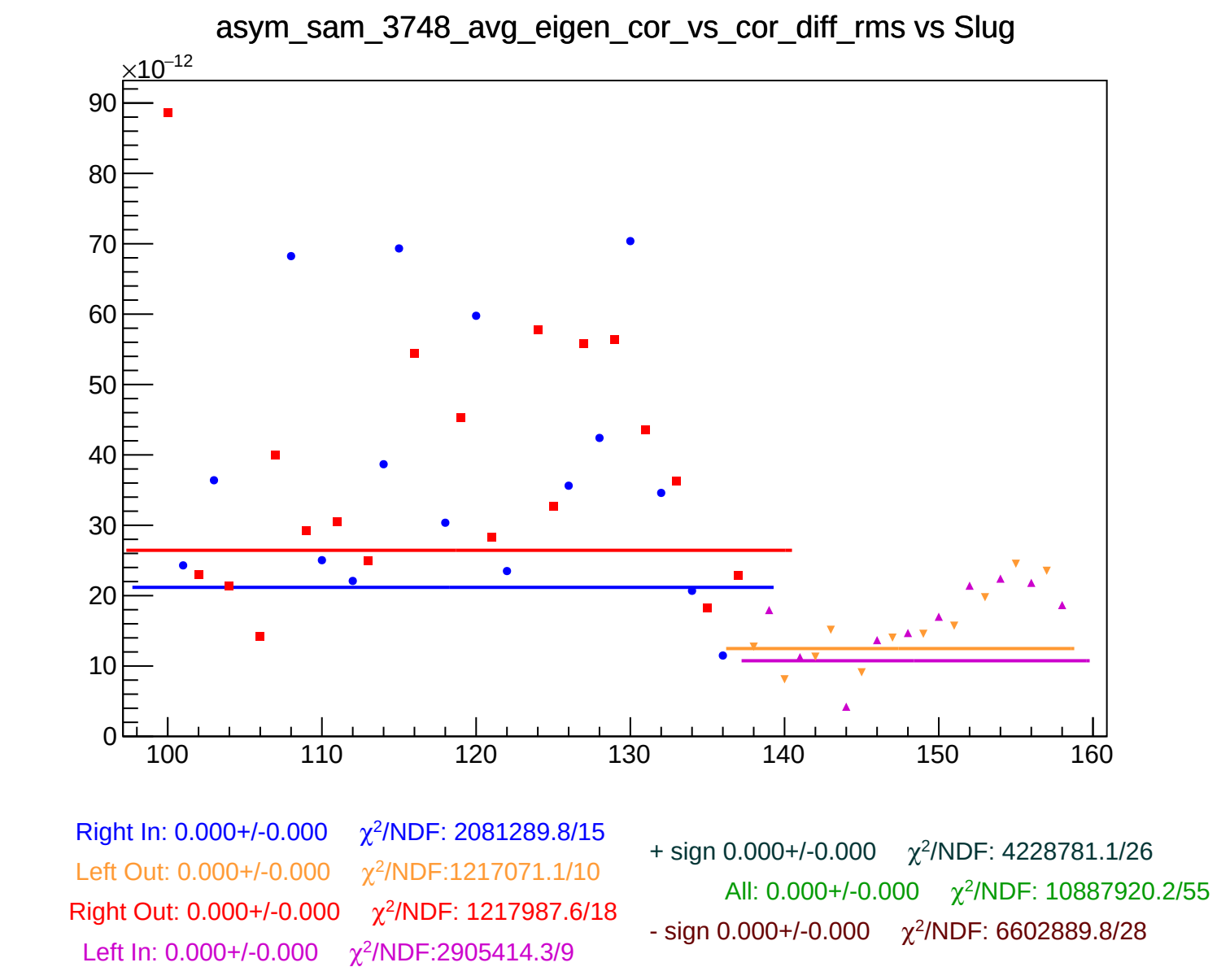
Right Out: -0.000+/-0.000 χ^2/NDF: 33.5/18

Left In: -0.000+/-0.000 χ^2/NDF:18.6/9

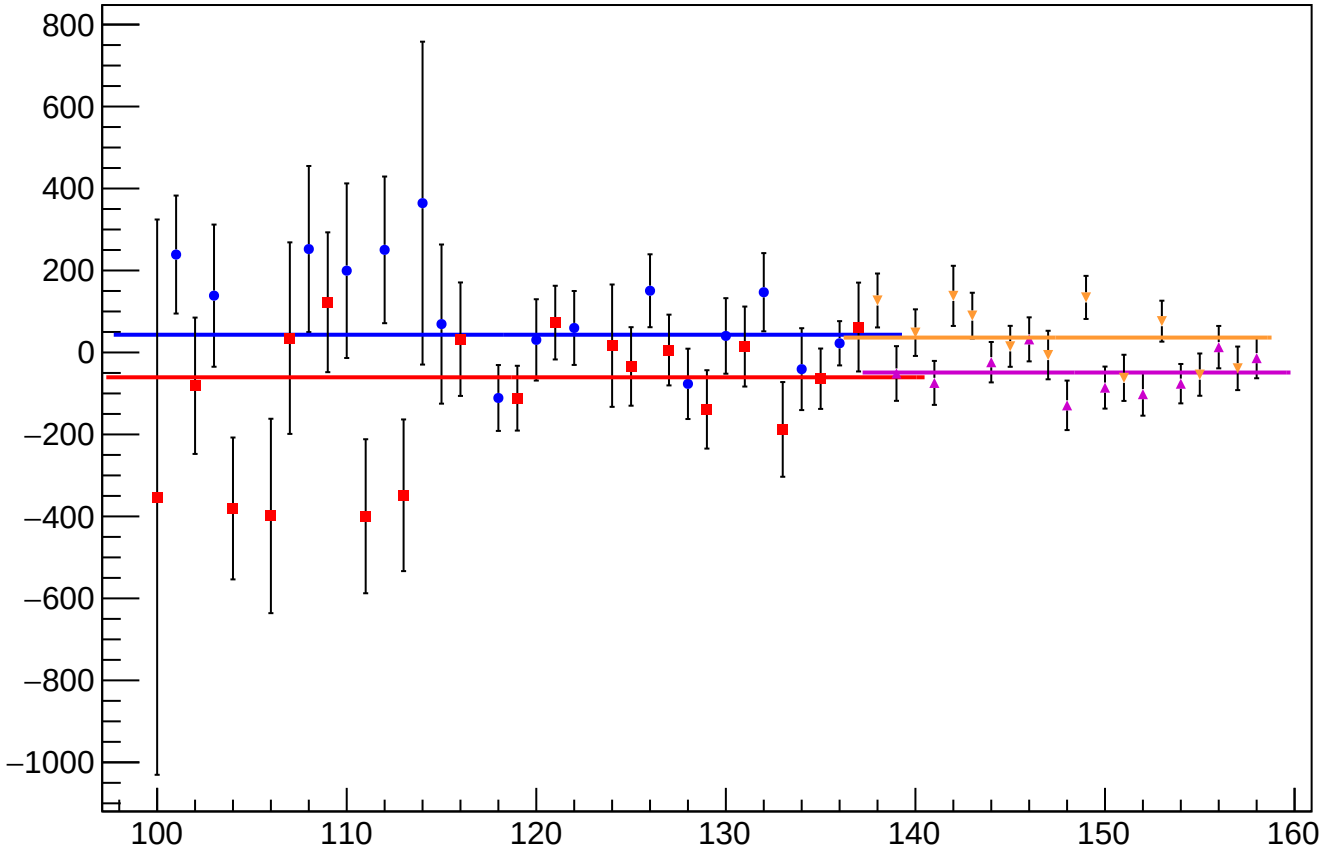
+ sign 0.000+/-0.000 χ^2/NDF: 47.0/26

All: -0.000+/-0.000 χ^2/NDF: 106.8/55

- sign -0.000+/-0.000 χ^2/NDF: 57.0/28


asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2081289.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1217071.1/10
Right Out: 0.000+/-0.000 χ²/NDF: 1217987.6/18
Left In: 0.000+/-0.000 χ²/NDF:2905414.3/9
+ sign 0.000+/-0.000 χ²/NDF: 4228781.1/26
All: 0.000+/-0.000 χ²/NDF: 10887920.2/55
- sign 0.000+/-0.000 χ²/NDF: 6602889.8/28

reg_asym_sam_1526_avg_mean vs Slug



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 36.325+/-16.801 χ^2/NDF:17.7/10

Right Out: -60.582+/-26.894 χ^2/NDF: 20.4/18

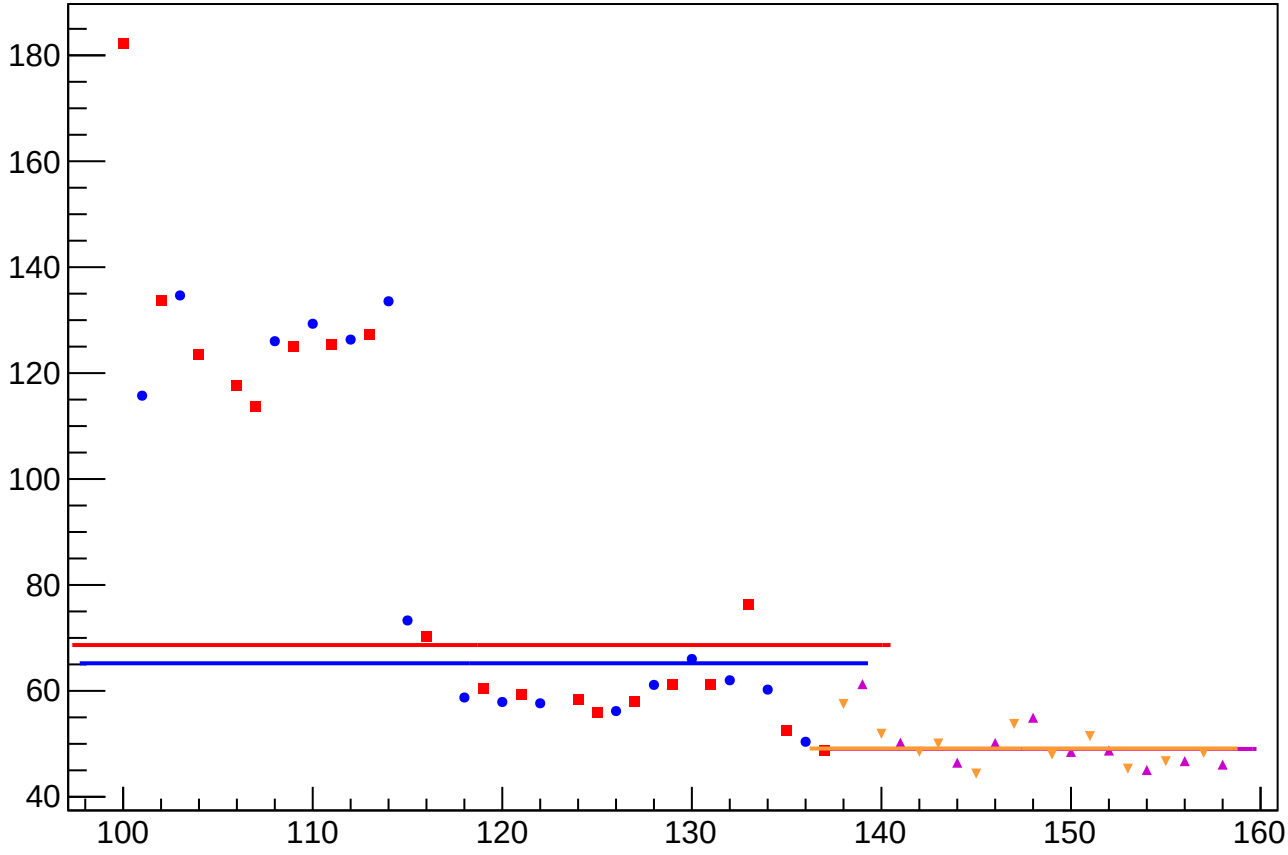
Left In: -48.946+/-16.740 χ^2/NDF:8.3/9

+ sign 38.389+/-14.076 χ^2/NDF: 32.7/26

All: -6.468+/-10.001 χ^2/NDF: 82.1/55

- sign -52.195+/-14.212 χ^2/NDF: 28.8/28

reg_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 49.121+/-0.012 χ^2/NDF:89240.5/10

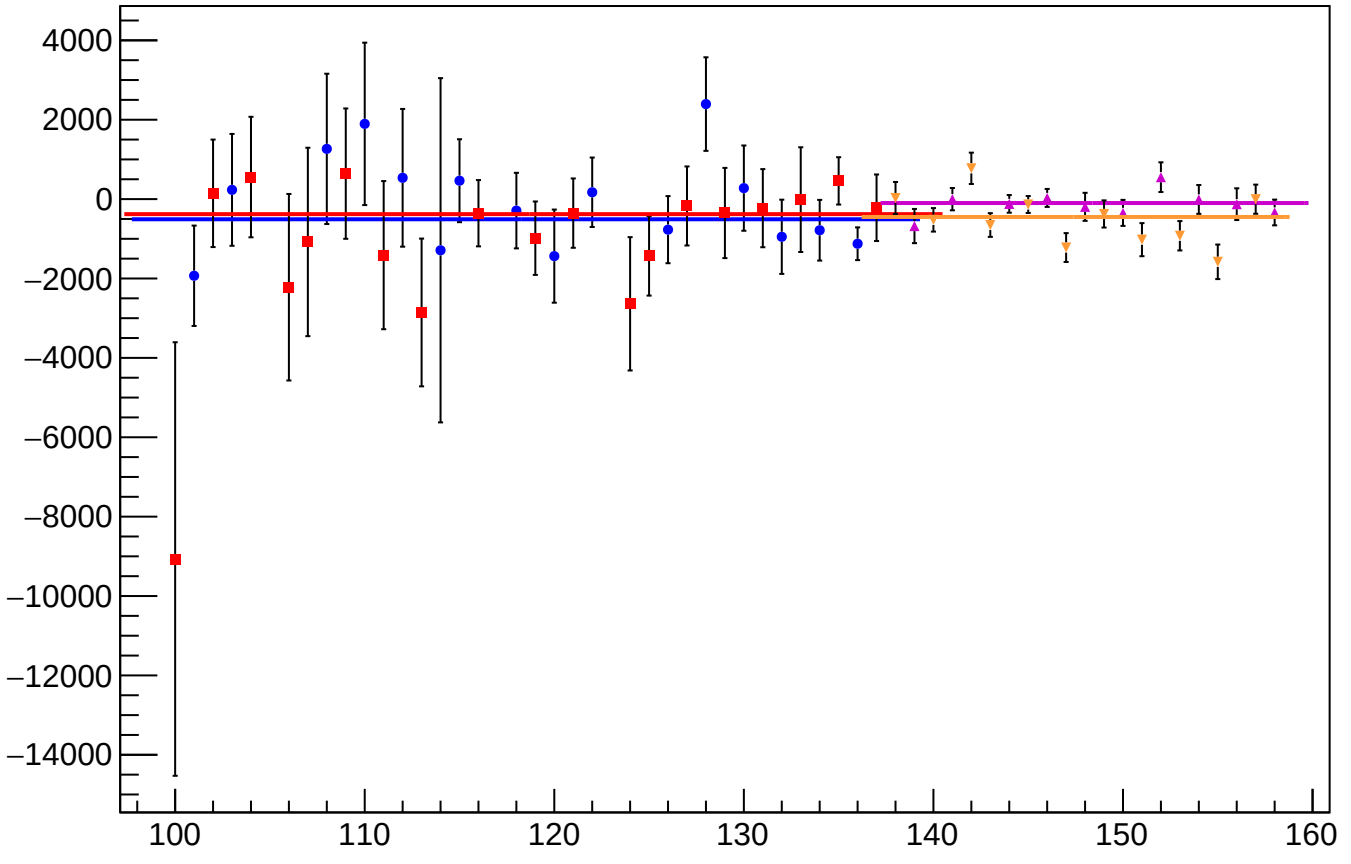
Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 49.034+/-0.012 χ^2/NDF:119085.7/9

+ sign 53.918+/-0.010 χ^2/NDF: 2082670.8/26

All: 54.213+/-0.007 χ^2/NDF: 4611796.2/55

- sign 54.513+/-0.010 χ^2/NDF: 2527351.6/28



Right In: -507.928+/-236.945 χ^2/NDF: 15.6/15

Left Out: -449.706+/-100.466 χ^2/NDF:30.0/10

Right Out: -378.892+/-256.407 χ^2/NDF: 11.7/18

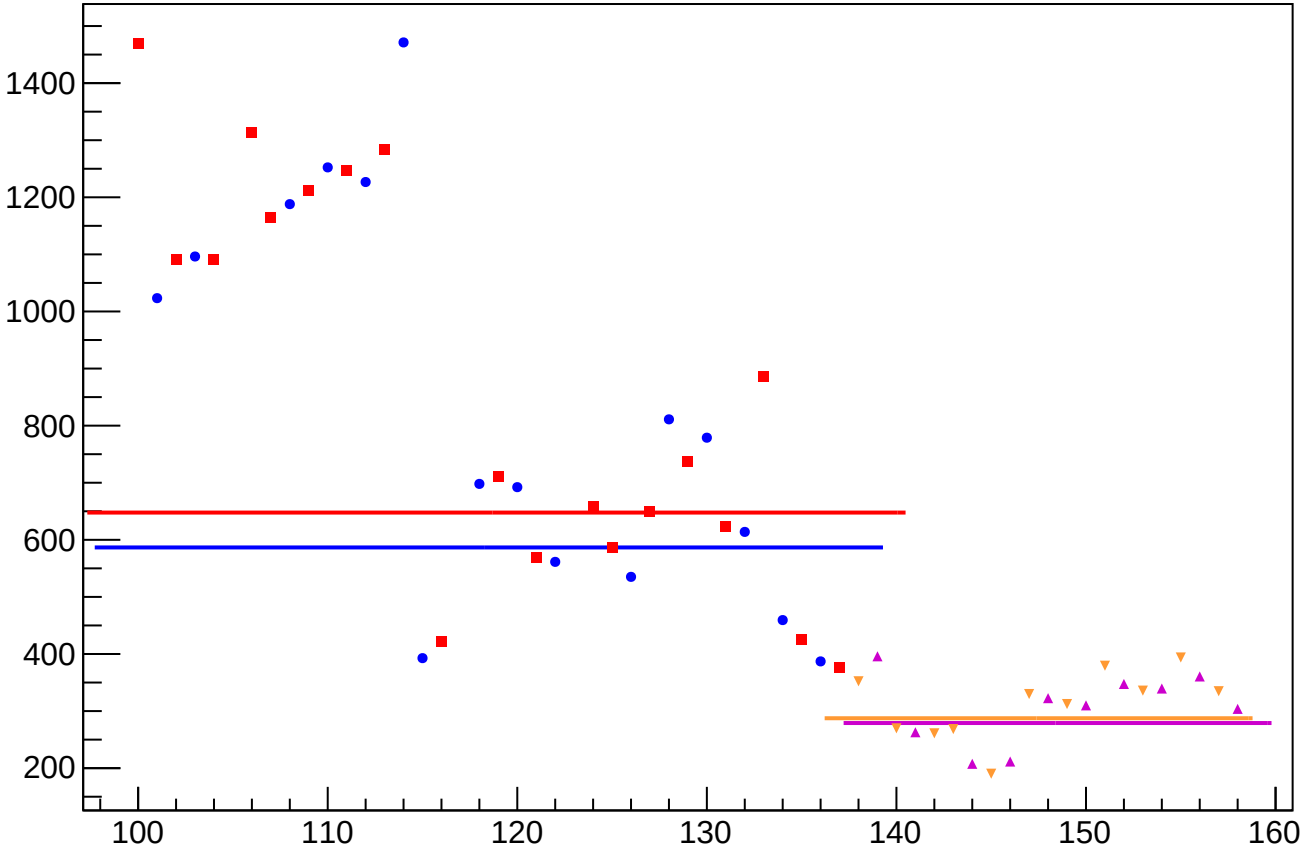
Left In: -98.761+/-97.346 χ^2/NDF:6.5/9

+ sign -458.578+/-92.495 χ^2/NDF: 45.7/26

All: -293.686+/-64.872 χ^2/NDF: 71.3/55

- sign -134.052+/-91.008 χ^2/NDF: 19.3/28

asym_sam_1526_avg_reg_correction_rms vs Slug



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 287.458+/-0.071 χ^2/NDF:814231.3/10

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

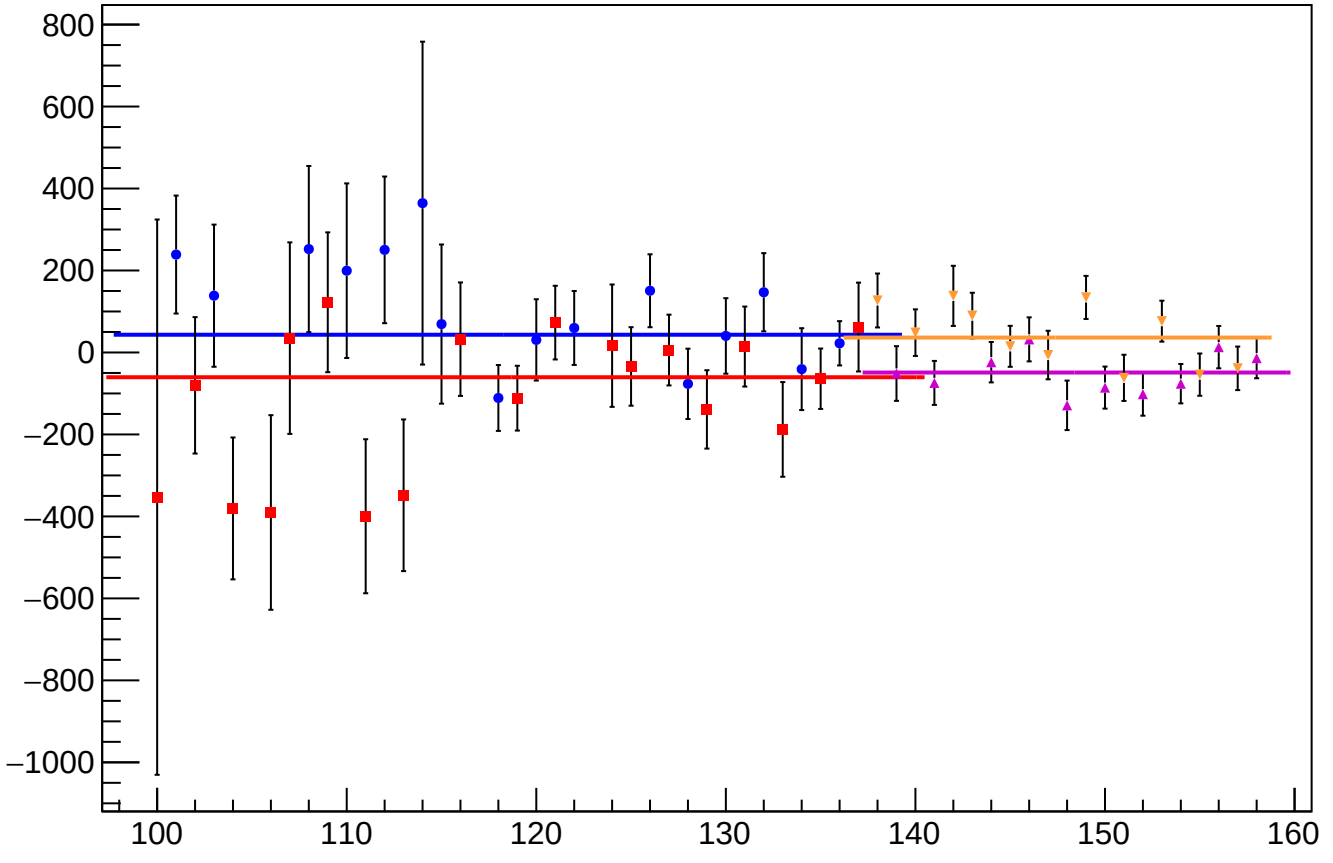
Left In: 279.076+/-0.069 χ^2/NDF:802362.9/9

+ sign 333.050+/-0.065 χ^2/NDF: 5570204.0/26

All: 329.224+/-0.046 χ^2/NDF: 12098562.4/55

- sign 325.520+/-0.064 χ^2/NDF: 6521623.9/28

cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 36.328+/-16.801 χ^2/NDF:17.7/10

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

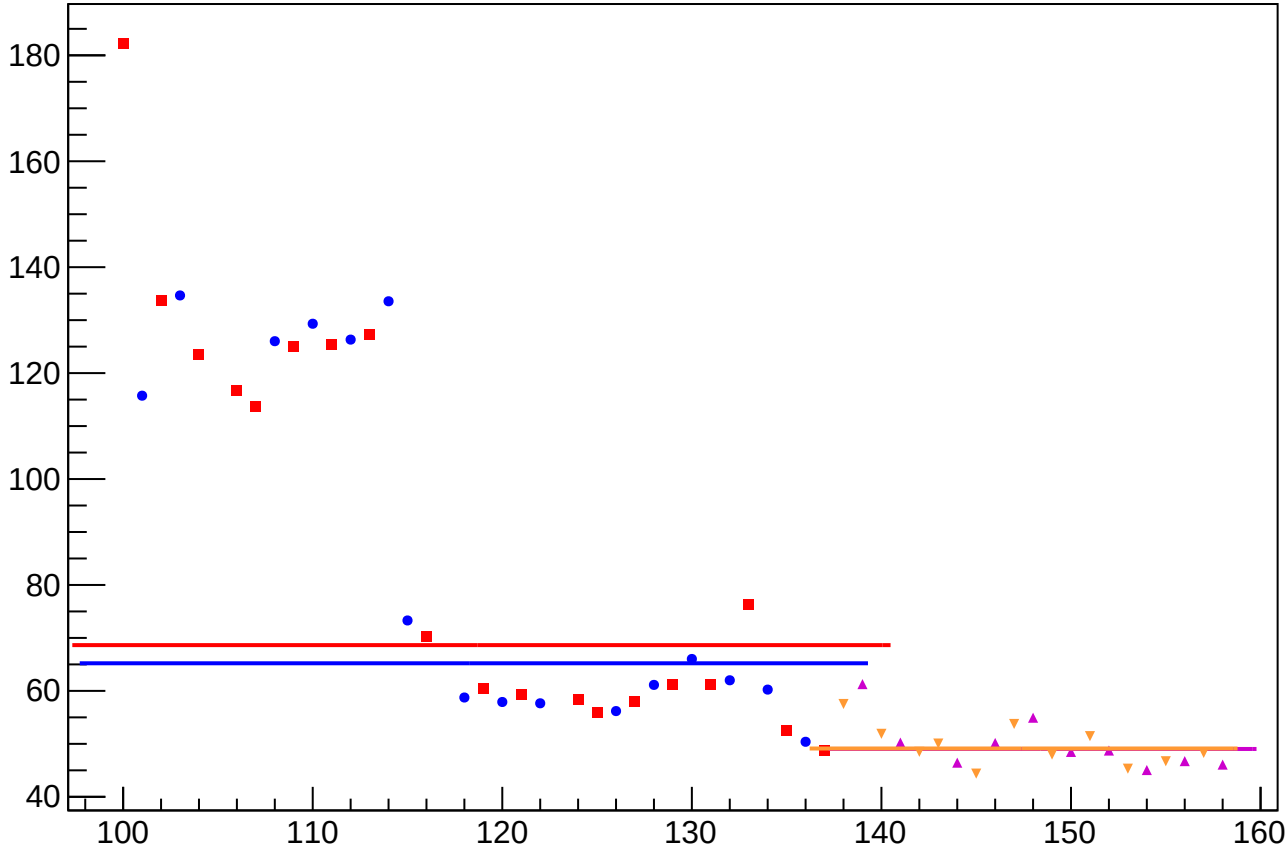
Left In: -48.947+/-16.740 χ^2/NDF:8.3/9

+ sign 38.388+/-14.076 χ^2/NDF: 32.7/26

All: -6.447+/-10.001 χ^2/NDF: 81.9/55

- sign -52.154+/-14.212 χ^2/NDF: 28.7/28

cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 49.121+/-0.012 χ^2/NDF:89240.5/10

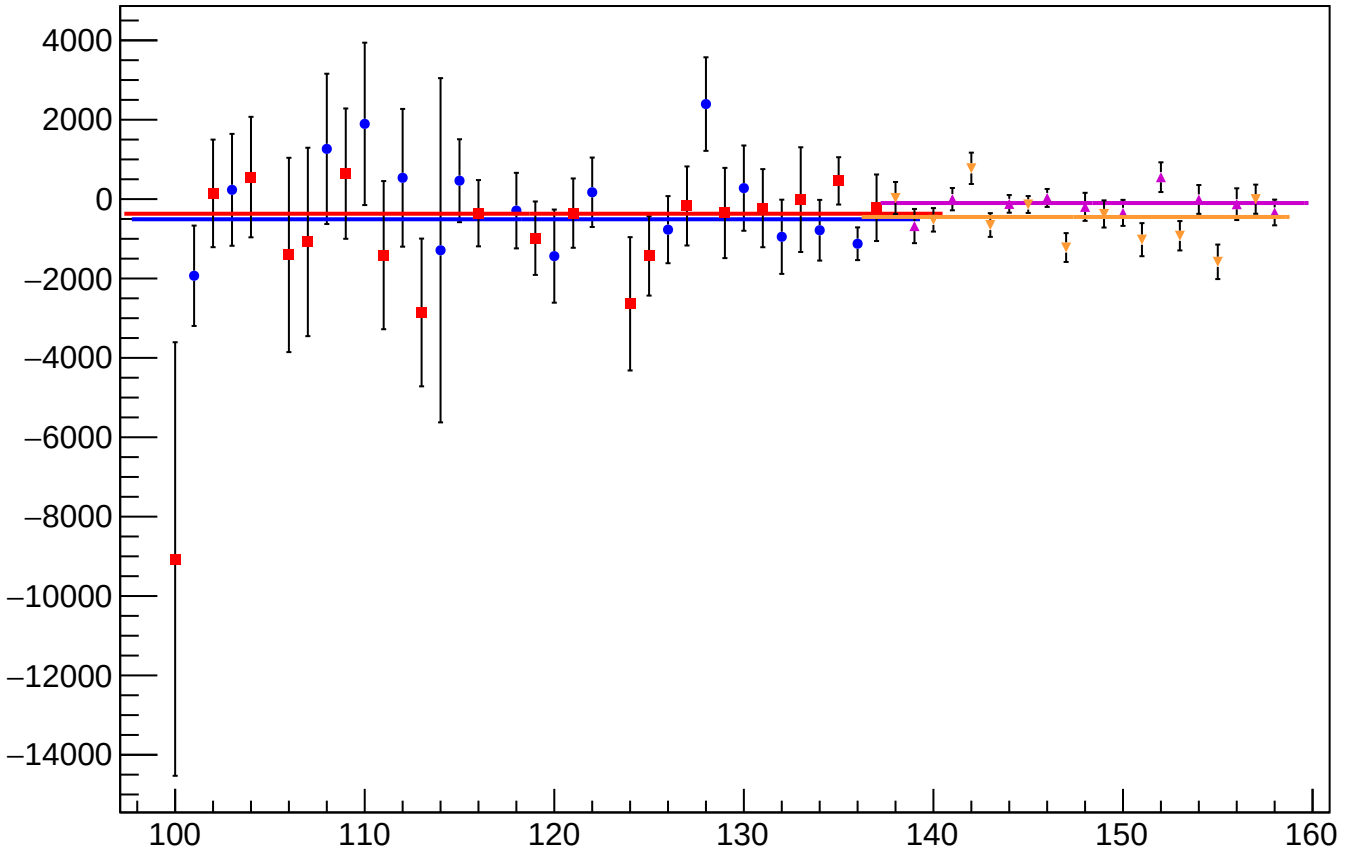
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 49.034+/-0.012 χ^2/NDF:119085.7/9

+ sign 53.918+/-0.010 χ^2/NDF: 2082673.0/26

All: 54.210+/-0.007 χ^2/NDF: 4607271.7/55

- sign 54.509+/-0.010 χ^2/NDF: 2522850.2/28



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -449.701+/-100.466 χ^2/NDF:30.0/10

Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

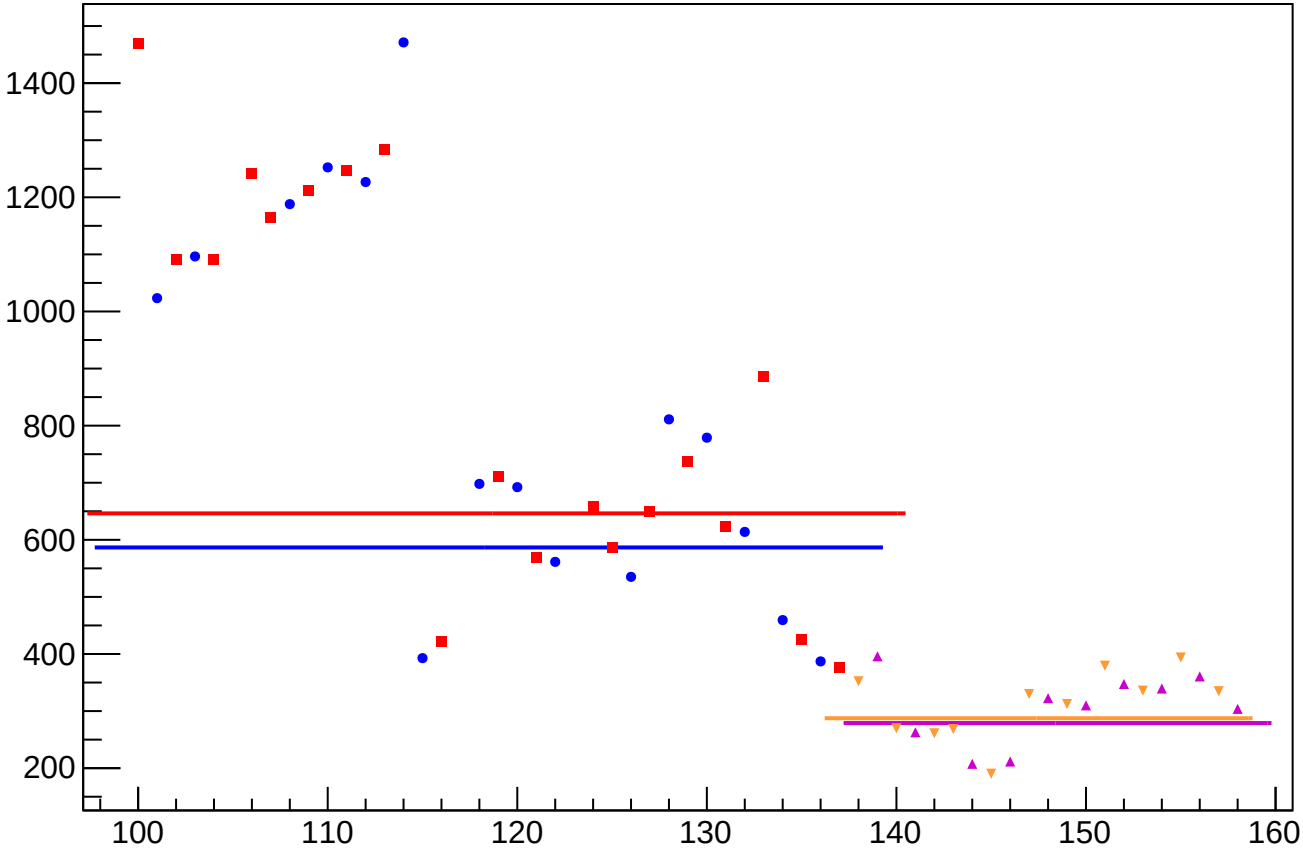
Left In: -98.761+/-97.346 χ^2/NDF:6.5/9

+ sign -458.572+/-92.495 χ^2/NDF: 45.7/26

All: -293.002+/-64.874 χ^2/NDF: 70.8/55

- sign -132.693+/-91.014 χ^2/NDF: 18.8/28

asym_sam_1526_avg_cor_correction_rms vs Slug



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 287.458+/-0.071 χ^2/NDF:814235.5/10

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

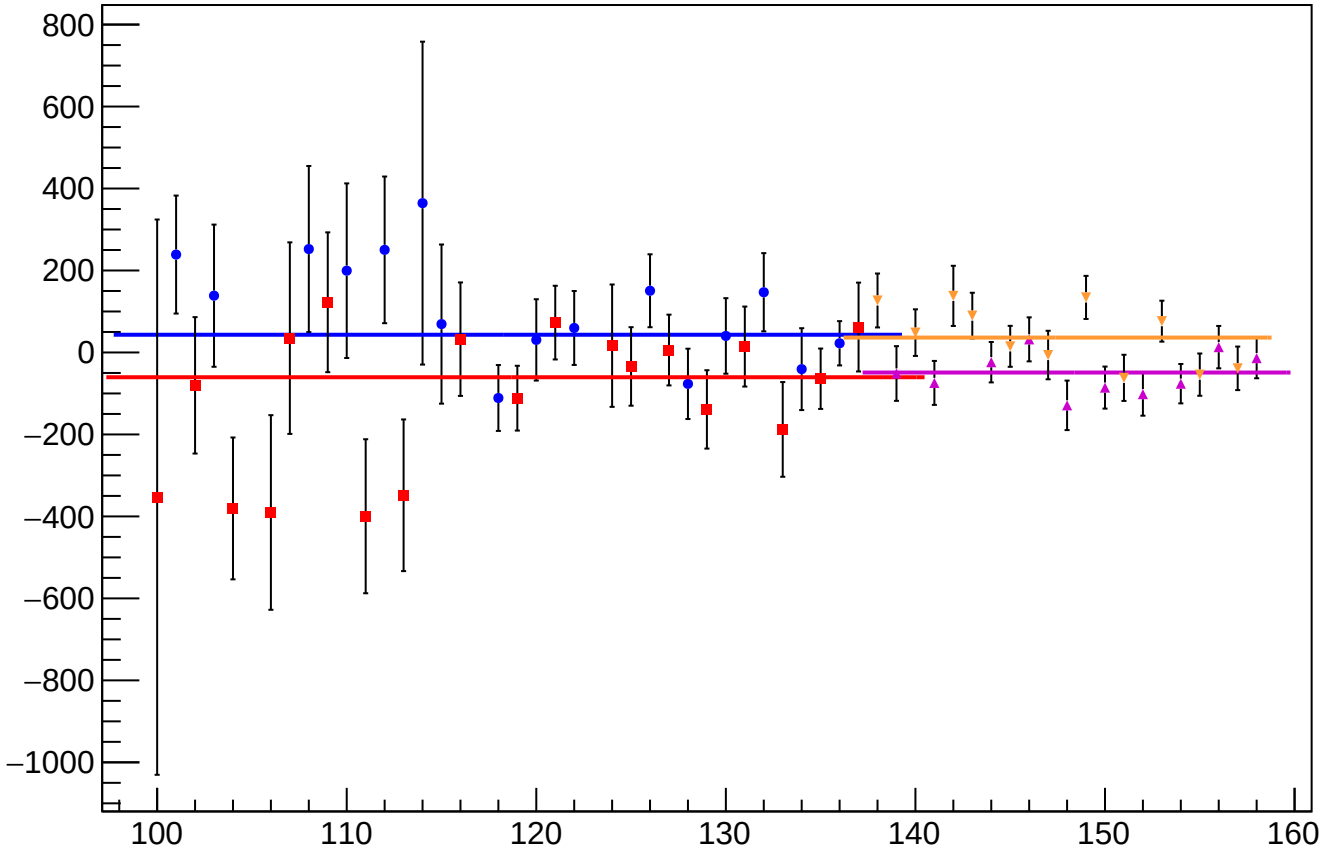
Left In: 279.076+/-0.069 χ^2/NDF:802358.2/9

+ sign 333.049+/-0.065 χ^2/NDF: 5570237.5/26

All: 329.113+/-0.046 χ^2/NDF: 12025876.9/55

- sign 325.303+/-0.064 χ^2/NDF: 6448511.8/28

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 36.328+/-16.801 χ^2/NDF:17.7/10

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

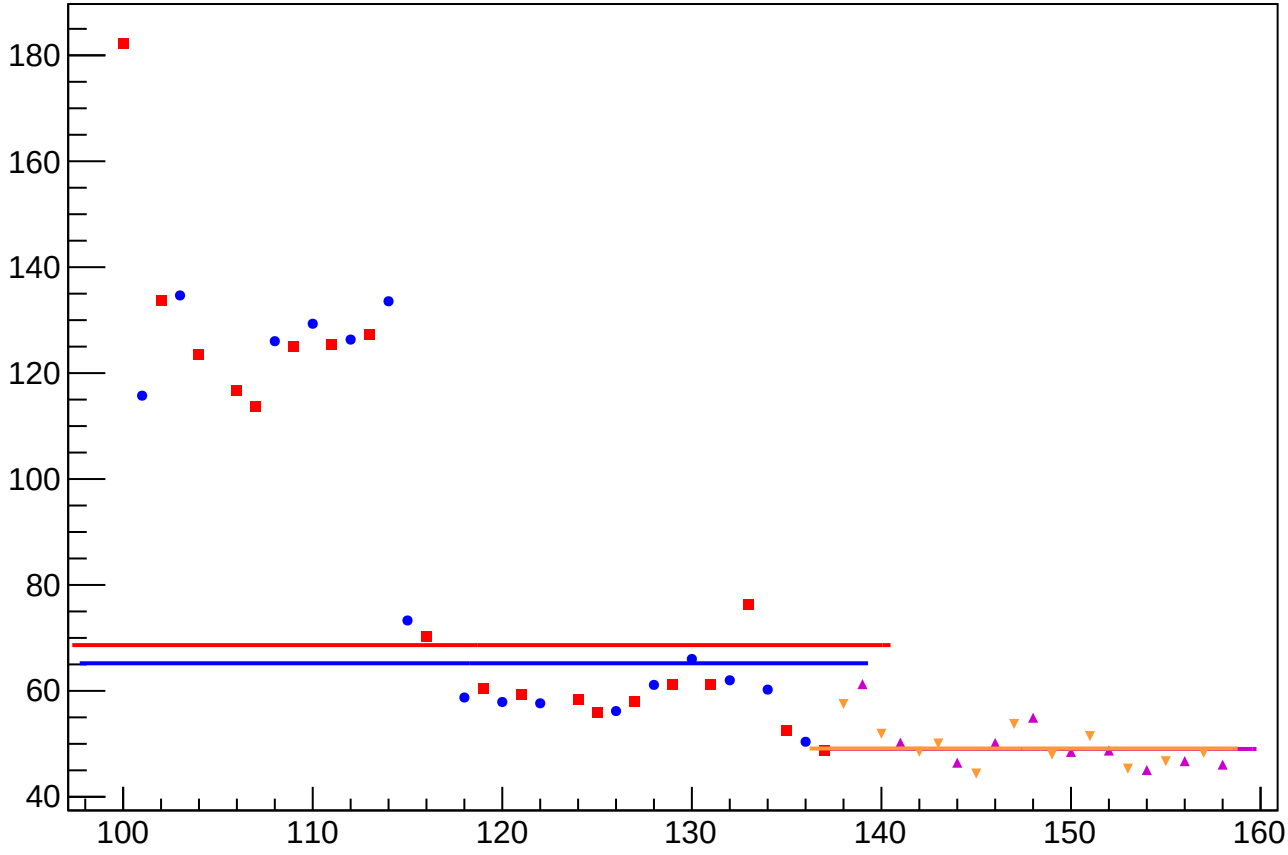
Left In: -48.947+/-16.740 χ^2/NDF:8.3/9

+ sign 38.388+/-14.076 χ^2/NDF: 32.7/26

All: -6.447+/-10.001 χ^2/NDF: 81.9/55

- sign -52.154+/-14.212 χ^2/NDF: 28.7/28

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 49.121+/-0.012 χ^2/NDF:89240.5/10

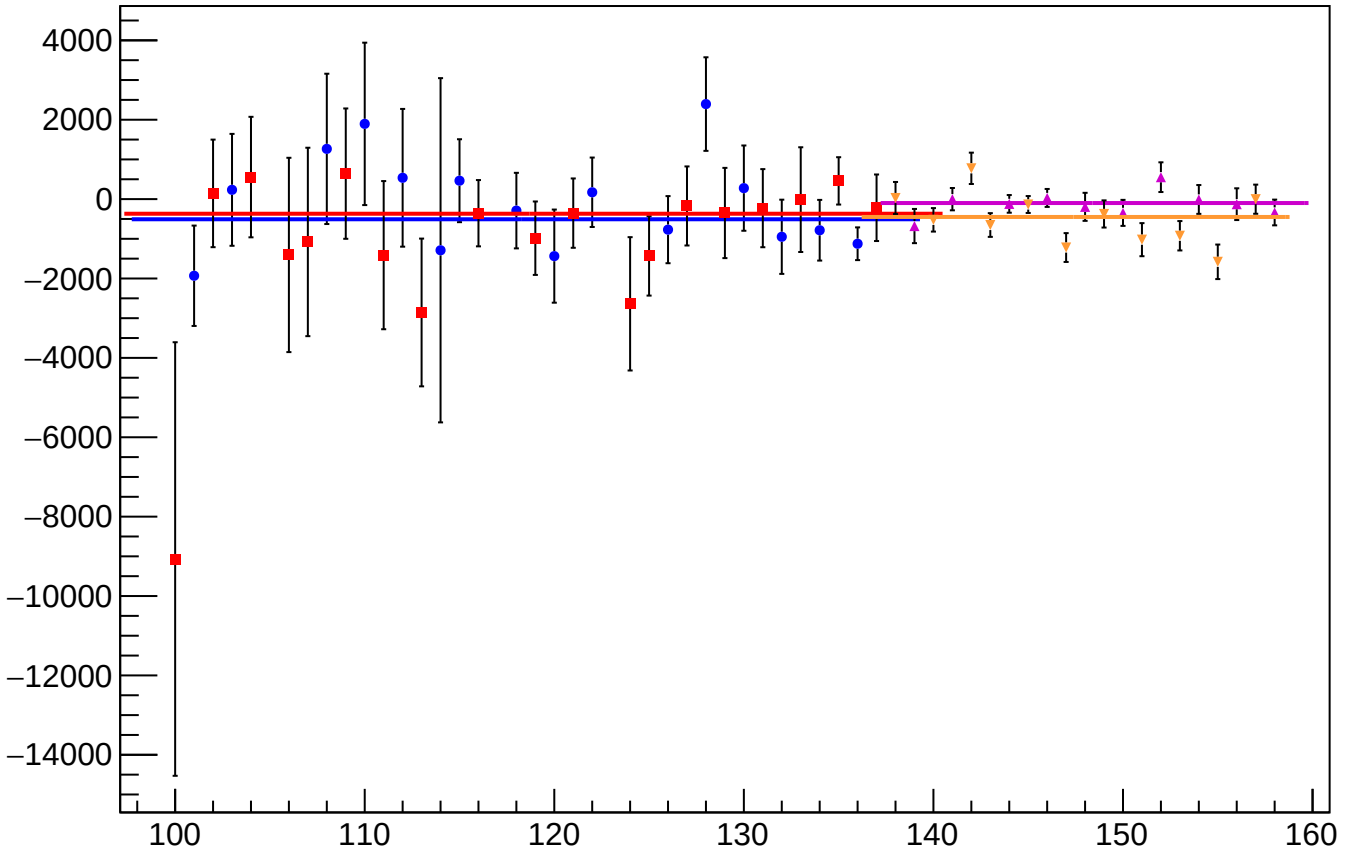
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 49.034+/-0.012 χ^2/NDF:119085.7/9

+ sign 53.918+/-0.010 χ^2/NDF: 2082673.0/26

All: 54.210+/-0.007 χ^2/NDF: 4607271.7/55

- sign 54.509+/-0.010 χ^2/NDF: 2522850.2/28



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -449.701+/-100.466 χ^2/NDF:30.0/10

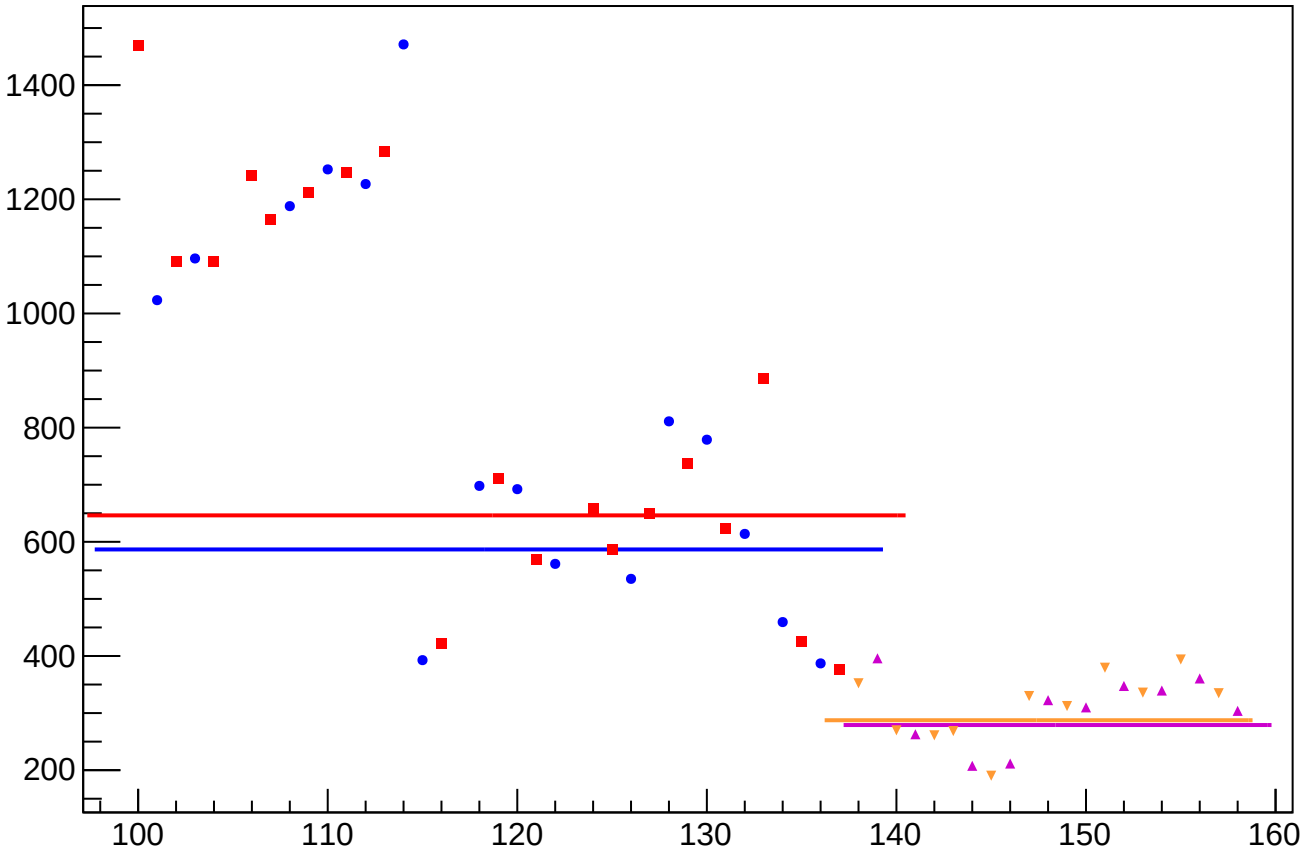
Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: -98.761+/-97.346 χ^2/NDF:6.5/9

+ sign -458.572+/-92.495 χ^2/NDF: 45.7/26

All: -293.002+/-64.874 χ^2/NDF: 70.8/55

- sign -132.693+/-91.014 χ^2/NDF: 18.8/28



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 287.458+/-0.071 χ^2/NDF:814235.5/10

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

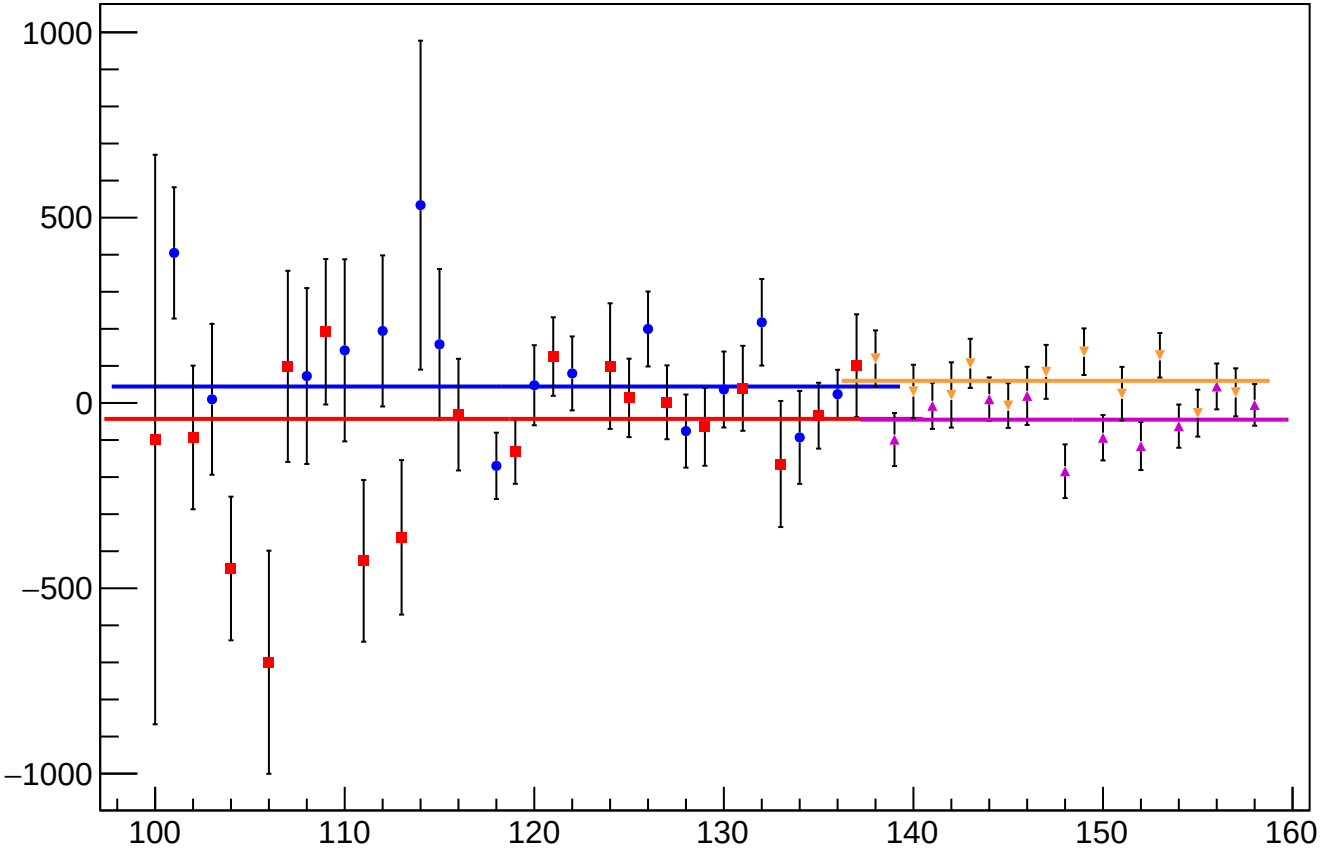
Left In: 279.076+/-0.069 χ^2/NDF:802358.2/9

+ sign 333.049+/-0.065 χ^2/NDF: 5570237.5/26

All: 329.113+/-0.046 χ^2/NDF: 12025876.9/55

- sign 325.303+/-0.064 χ^2/NDF: 6448511.8/28

dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 59.836+/-20.438 χ^2/NDF:8.1/10

Right Out: -42.901+/-31.248 χ^2/NDF: 23.3/18

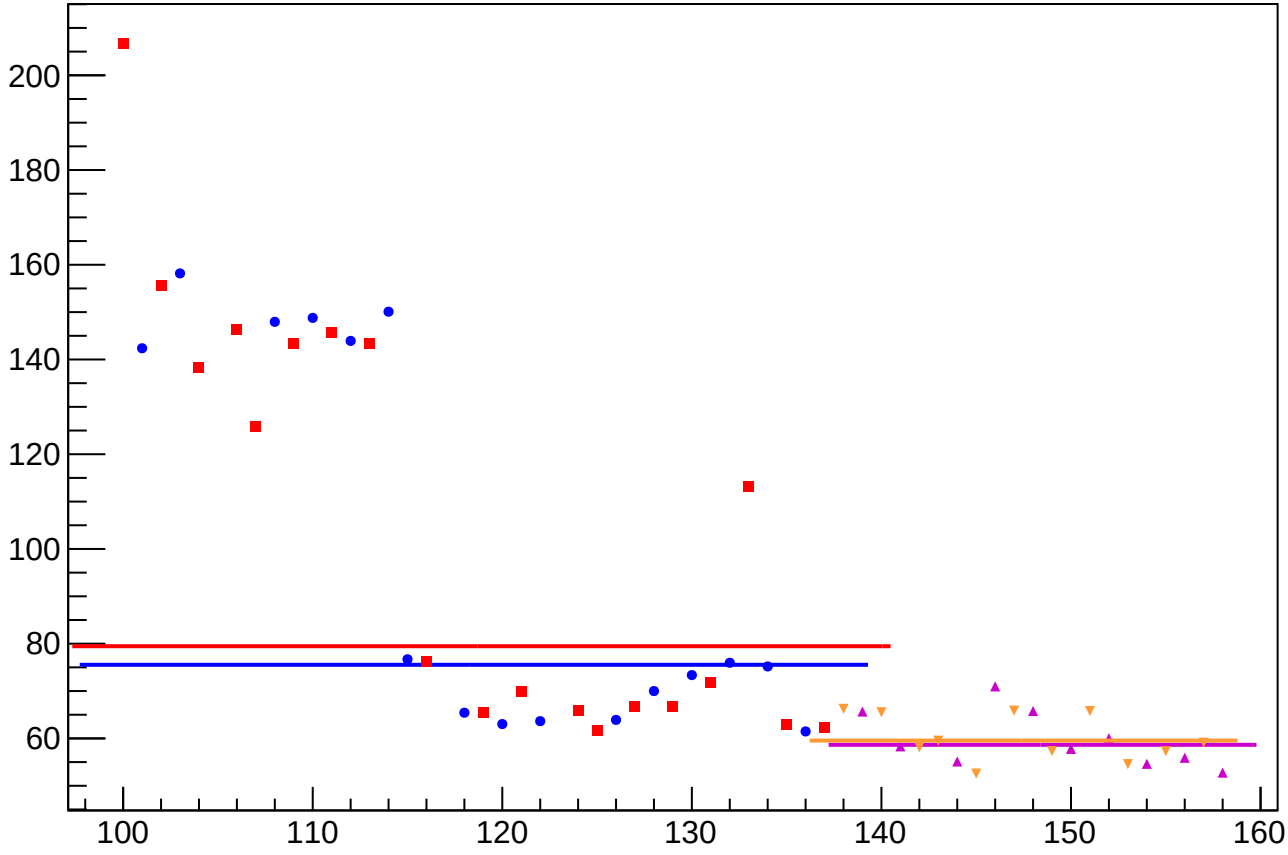
Left In: -45.032+/-20.105 χ^2/NDF:10.7/9

+ sign 54.918+/-16.874 χ^2/NDF: 27.8/26

All: 5.353+/-11.944 χ^2/NDF: 79.1/55

- sign -44.408+/-16.908 χ^2/NDF: 34.0/28

dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 59.545+/-0.014 χ^2/NDF:105300.6/10

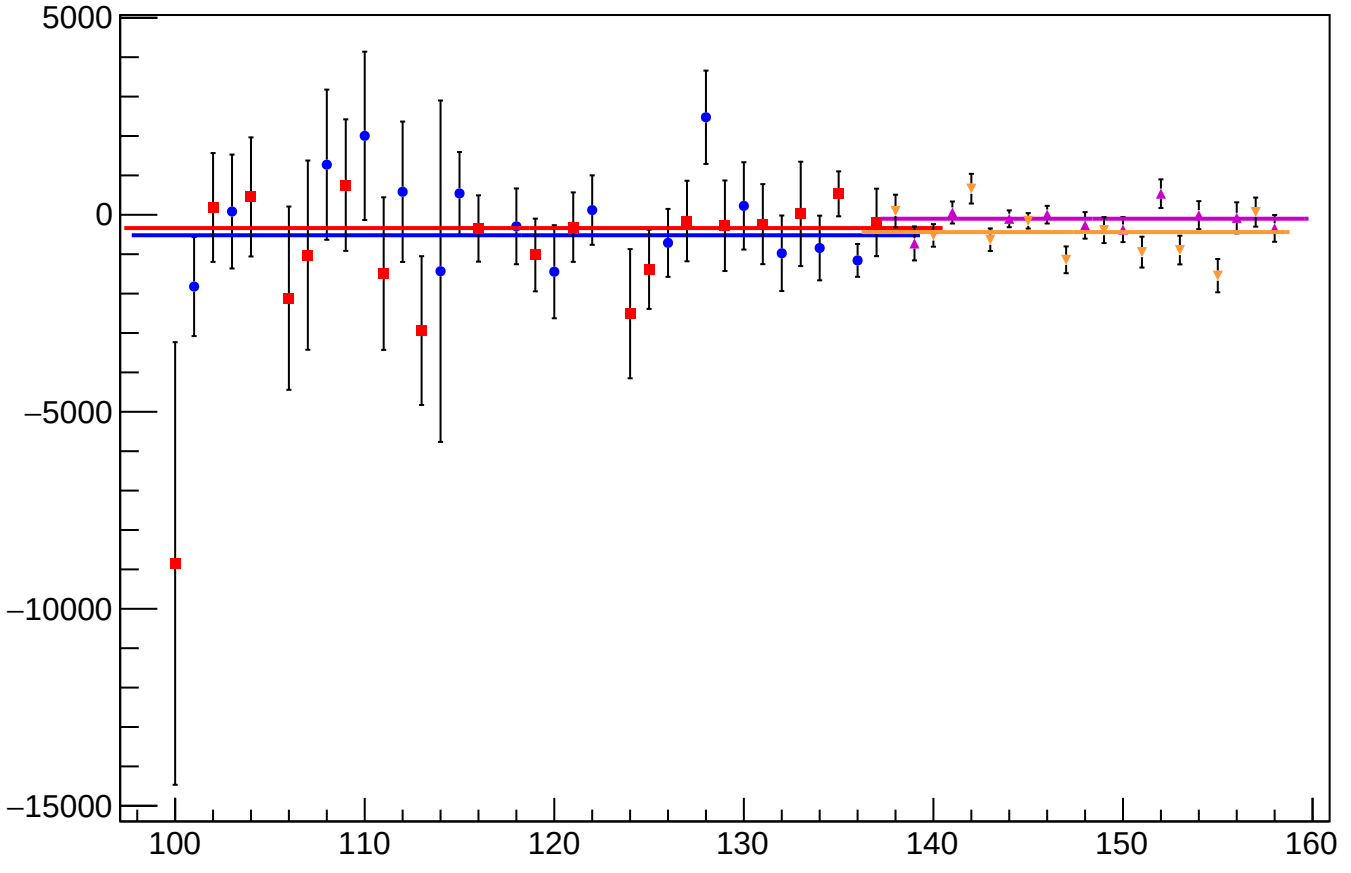
Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

Left In: 58.646+/-0.014 χ^2/NDF:131890.6/9

+ sign 64.638+/-0.012 χ^2/NDF: 1960974.7/26

All: 64.690+/-0.008 χ^2/NDF: 4404428.4/55

- sign 64.741+/-0.012 χ^2/NDF: 2443416.6/28



Right In: -519.250+/-241.317 χ^2/NDF: 15.8/15

Left Out: -438.656+/-96.169 χ^2/NDF:29.2/10

Right Out: -336.731+/-256.618 χ^2/NDF: 11.9/18

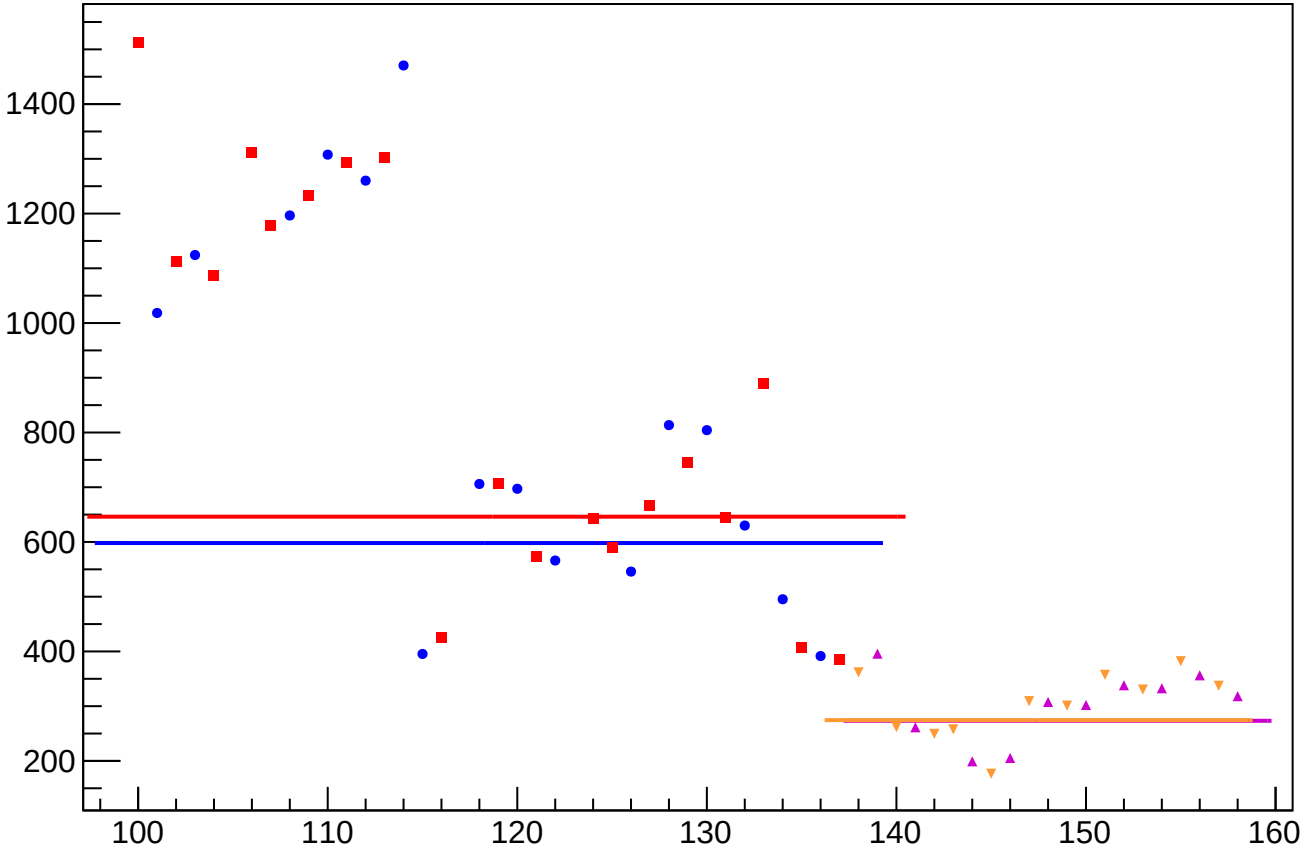
Left In: -99.656+/-95.623 χ^2/NDF:7.3/9

+ sign -449.701+/-89.337 χ^2/NDF: 45.1/26

All: -289.611+/-63.265 χ^2/NDF: 71.5/55

- sign -128.561+/-89.604 χ^2/NDF: 20.0/28

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 274.508+/-0.068 χ^2/NDF:964570.4/10

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

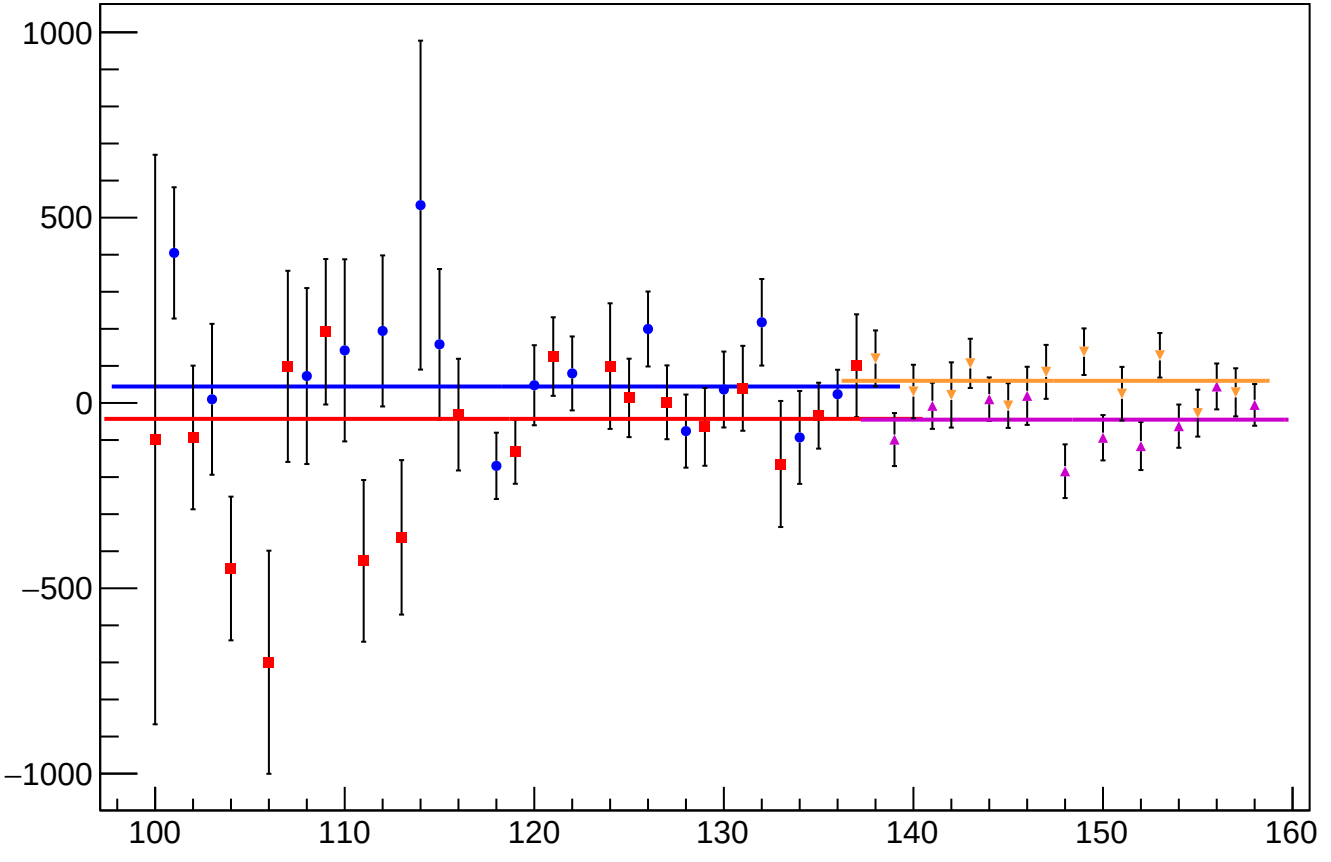
Left In: 273.297+/-0.068 χ^2/NDF:871848.6/9

+ sign 318.849+/-0.063 χ^2/NDF: 6114712.2/26

All: 318.805+/-0.045 χ^2/NDF: 12899559.8/55

- sign 318.761+/-0.063 χ^2/NDF: 6784846.6/28

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 59.835+/-20.438 χ^2/NDF:8.1/10

Right Out: -42.900+/-31.248 χ^2/NDF: 23.3/18

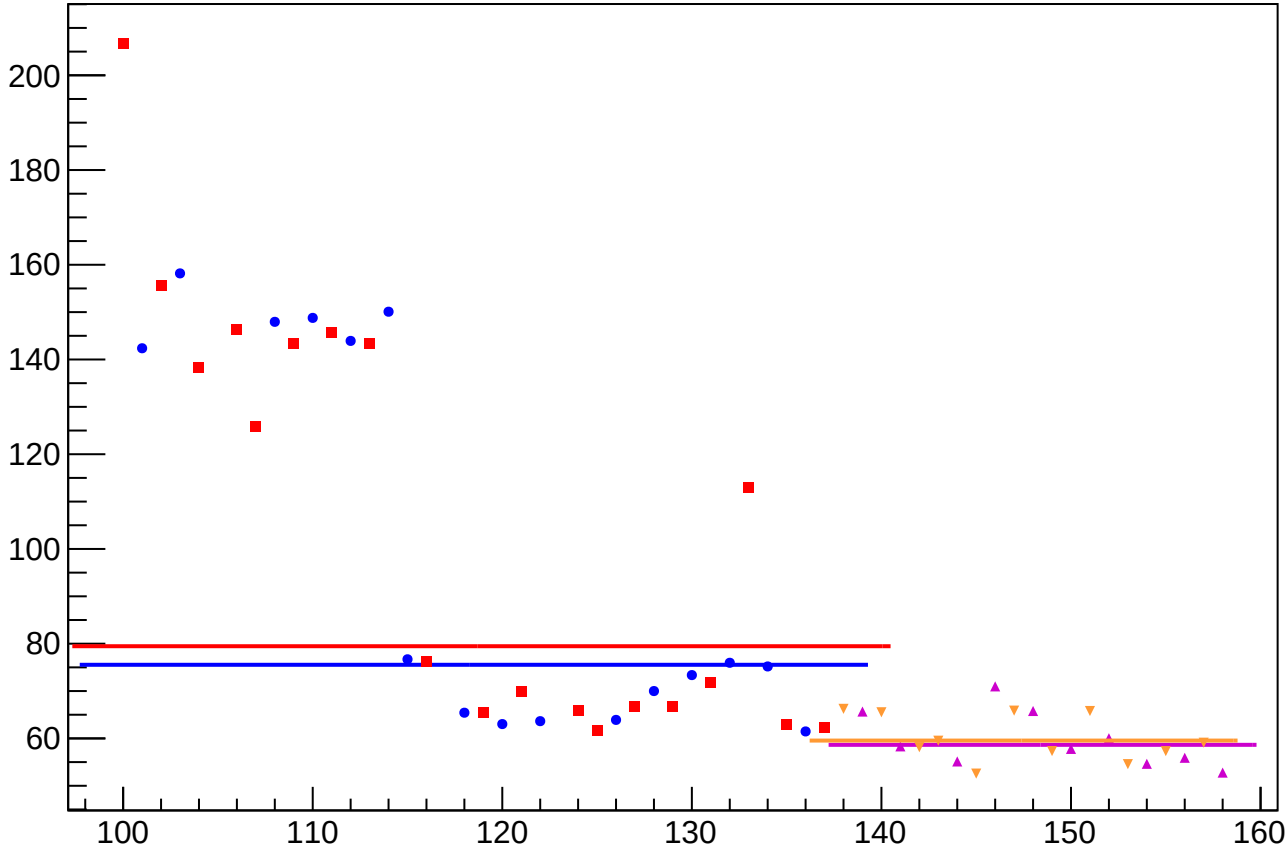
Left In: -45.031+/-20.105 χ^2/NDF:10.7/9

+ sign 54.918+/-16.874 χ^2/NDF: 27.8/26

All: 5.353+/-11.944 χ^2/NDF: 79.1/55

- sign -44.407+/-16.908 χ^2/NDF: 34.0/28

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 59.546+/-0.014 χ^2/NDF:105299.7/10

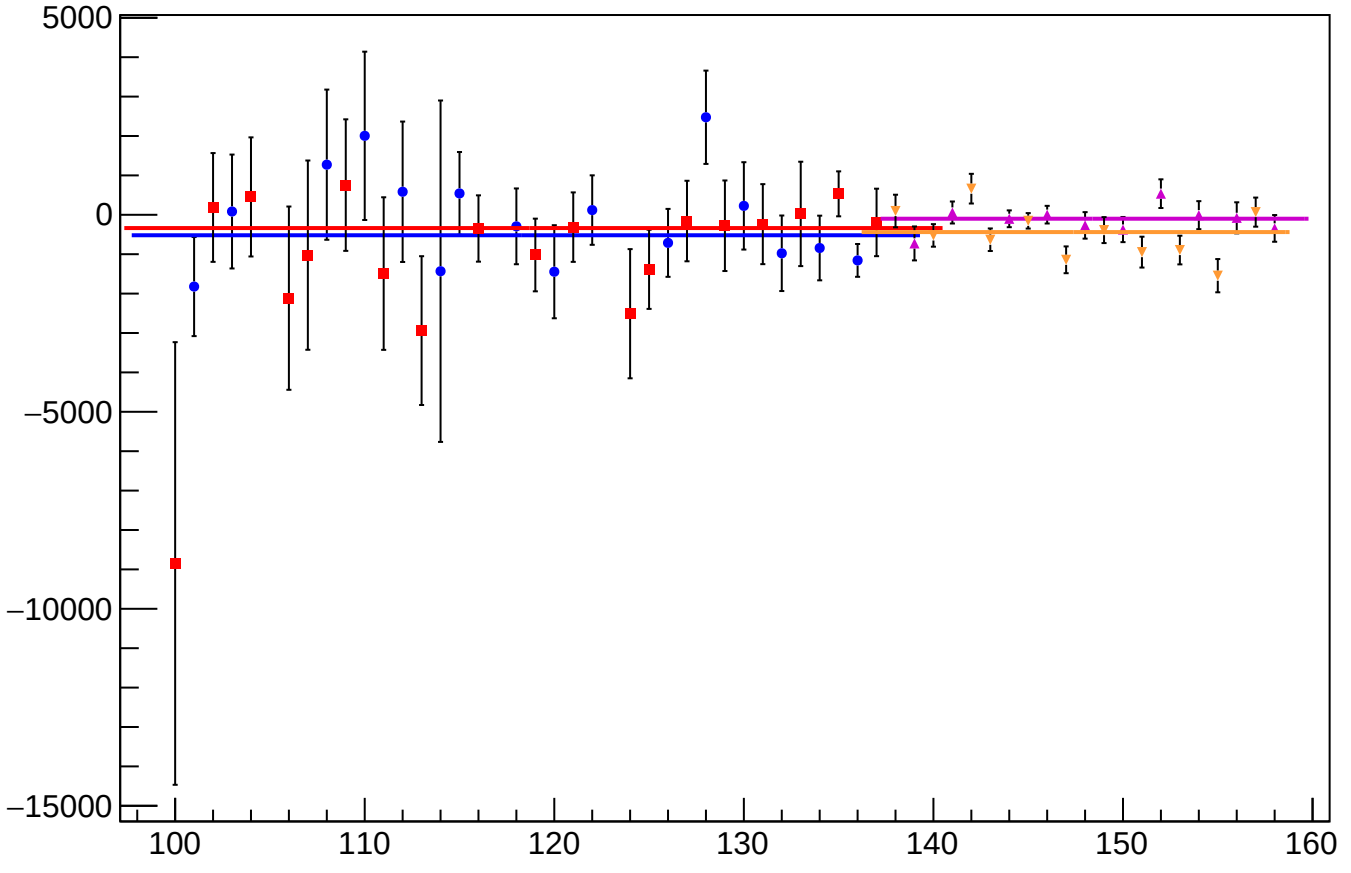
Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 58.646+/-0.014 χ^2/NDF:131895.3/9

+ sign 64.638+/-0.012 χ^2/NDF: 1960937.0/26

All: 64.690+/-0.008 χ^2/NDF: 4404367.4/55

- sign 64.741+/-0.012 χ^2/NDF: 2443393.3/28



Right In: -519.247+/-241.316 χ^2/NDF: 15.8/15

Left Out: -438.656+/-96.169 χ^2/NDF:29.2/10

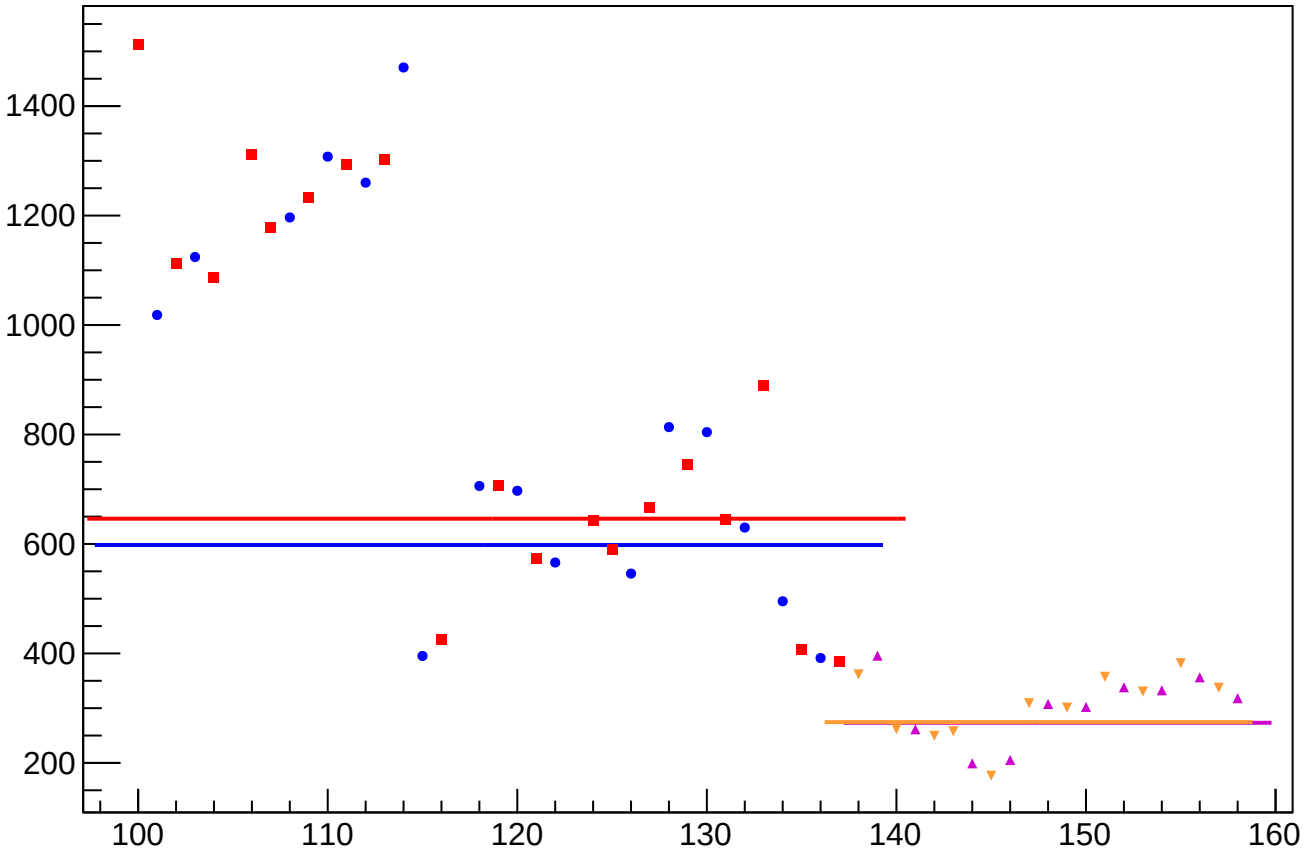
Right Out: -336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: -99.656+/-95.623 χ^2/NDF:7.3/9

\+ sign -449.701+/-89.336 χ^2/NDF: 45.1/26

All: -289.611+/-63.265 χ^2/NDF: 71.5/55

\- sign -128.561+/-89.604 χ^2/NDF: 20.0/28



Right In: 598.044+/-0.171 χ^2/NDF: 2047806.5/15

Left Out: 274.507+/-0.068 χ^2/NDF:964578.7/10

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

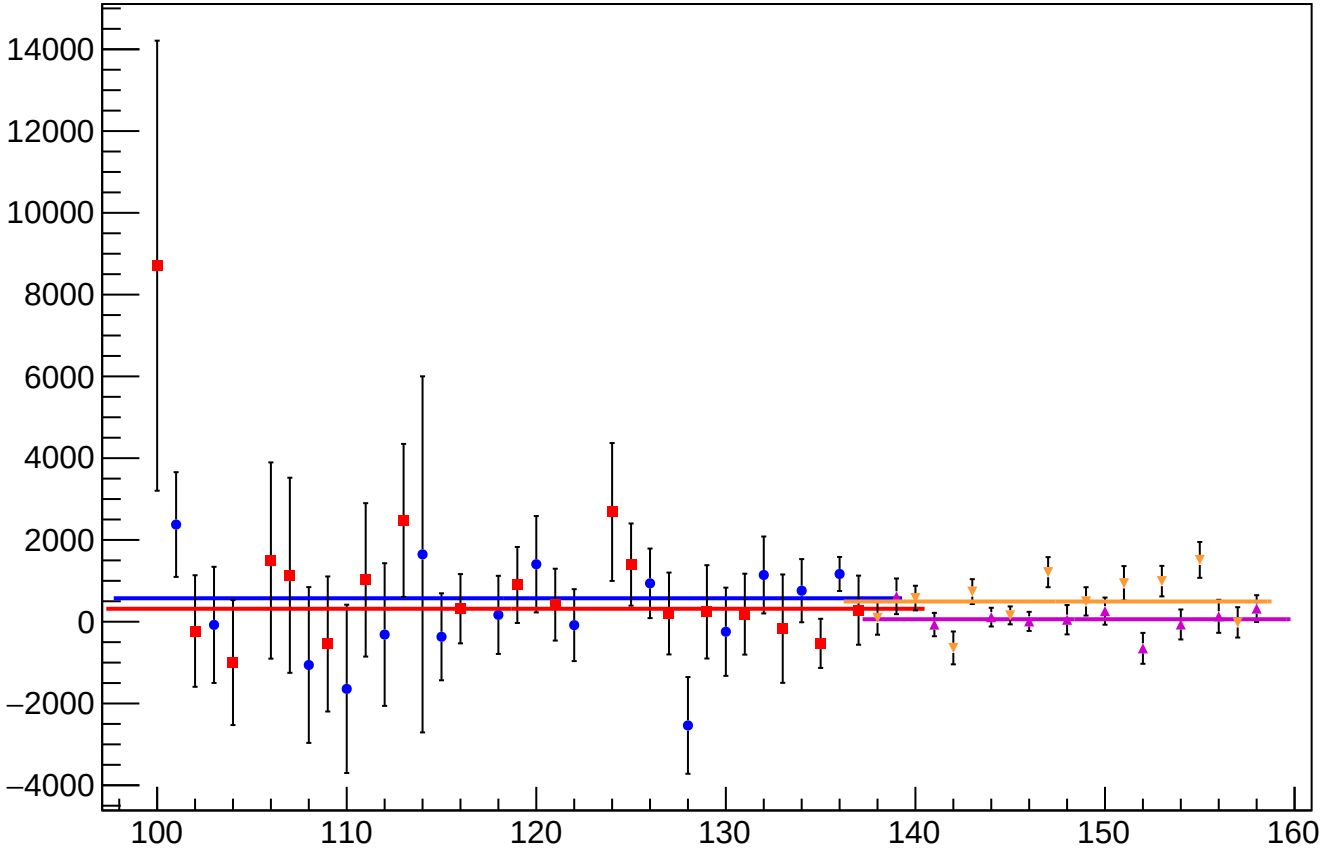
Left In: 273.297+/-0.068 χ^2/NDF:871246.6/9

+ sign 318.849+/-0.063 χ^2/NDF: 6114710.8/26

All: 318.805+/-0.045 χ^2/NDF: 12899546.2/55

- sign 318.761+/-0.063 χ^2/NDF: 6784834.5/28

asym_sam_1526_avg_mean vs Slug



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 494.699+/-102.153 χ^2/NDF:26.0/10

Right Out: 316.830+/-258.239 χ^2/NDF: 11.0/18

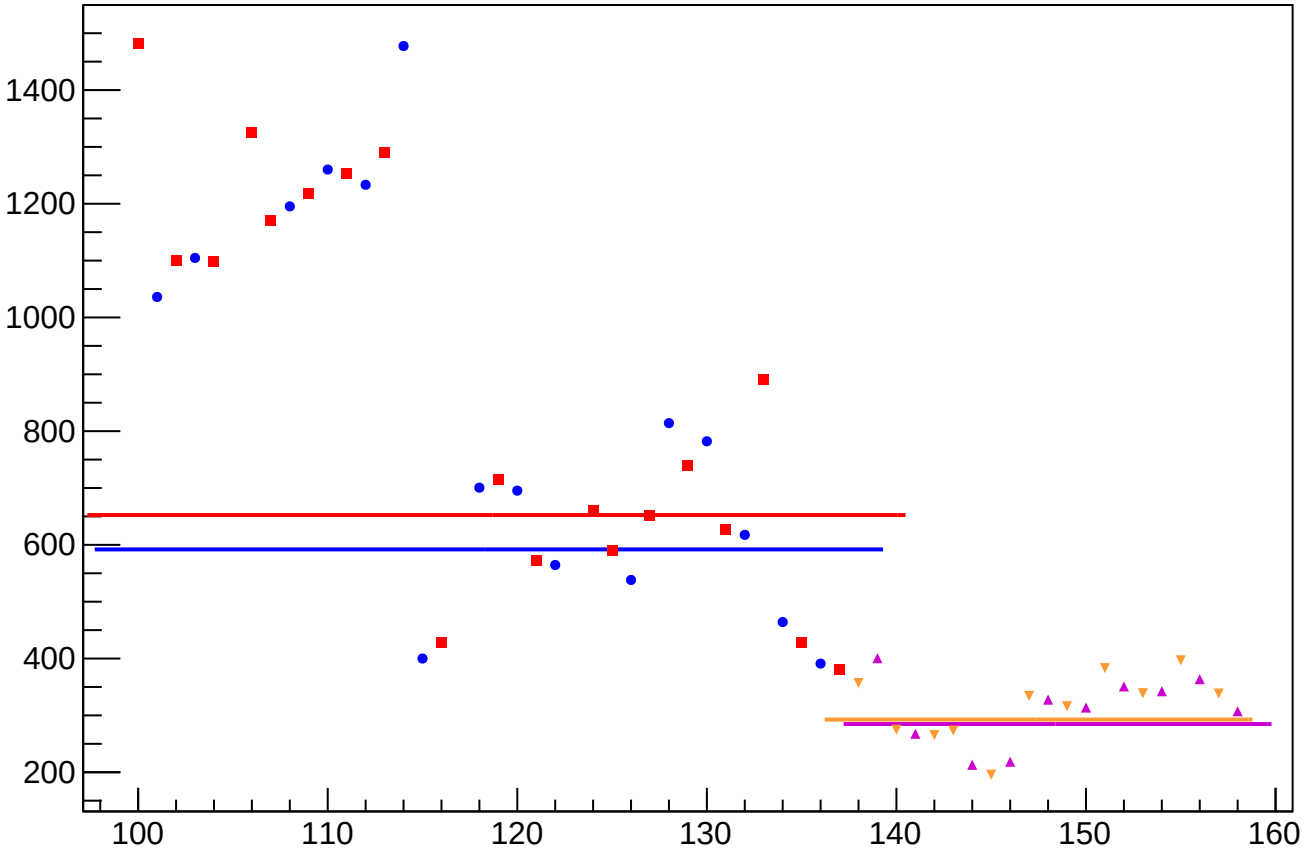
Left In: 60.834+/-99.167 χ^2/NDF:6.7/9

+ sign 506.859+/-93.927 χ^2/NDF: 42.7/26

All: 297.302+/-65.934 χ^2/NDF: 71.0/55

- sign 93.733+/-92.576 χ^2/NDF: 18.5/28

asym_sam_1526_avg_rms vs Slug



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 292.718+/-0.072 χ^2/NDF:767079.5/10

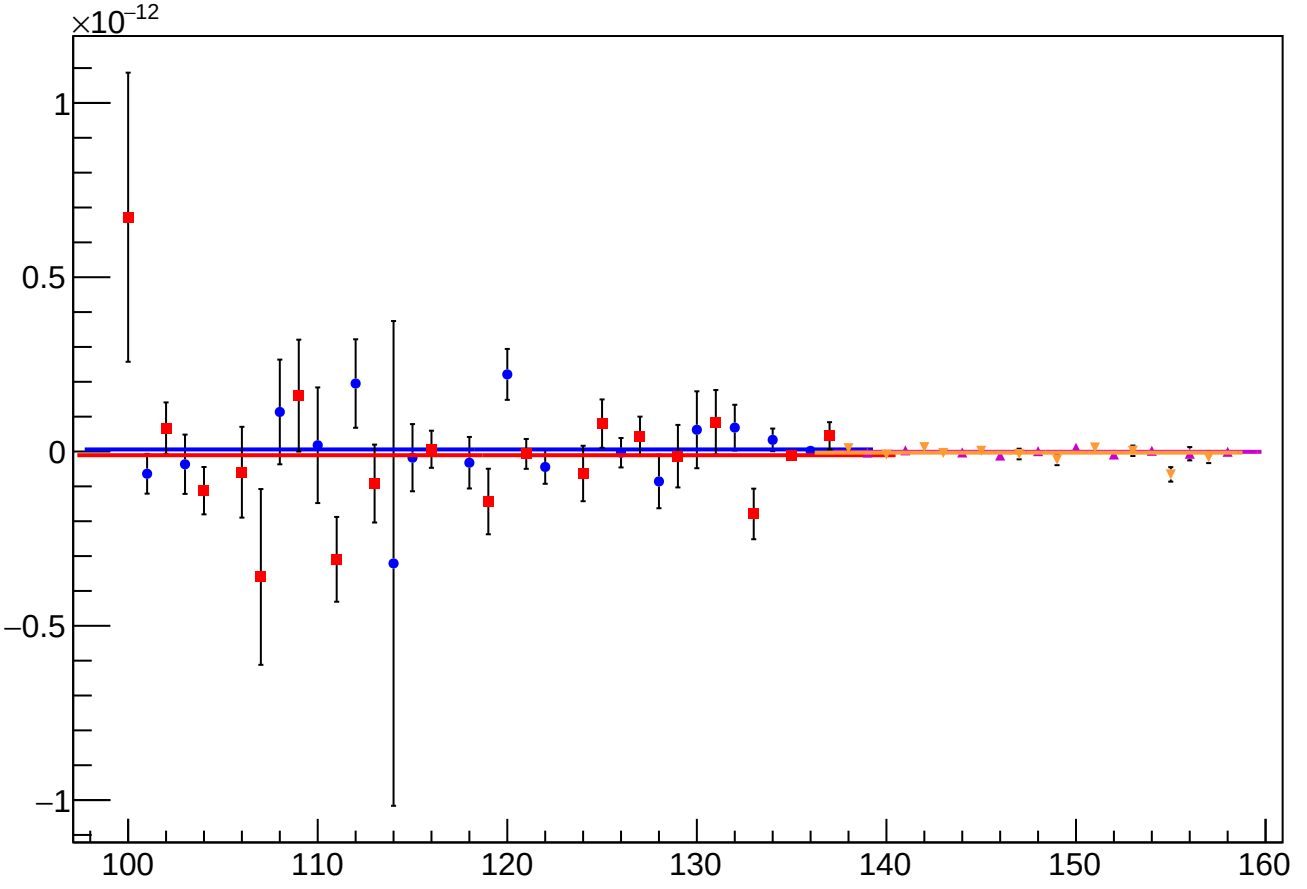
Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 284.802+/-0.070 χ^2/NDF:747346.7/9

+ sign 338.969+/-0.066 χ^2/NDF: 5455507.6/26

All: 335.460+/-0.047 χ^2/NDF: 11831249.3/55

- sign 332.052+/-0.065 χ^2/NDF: 6370239.6/28



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.6/10

Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/18

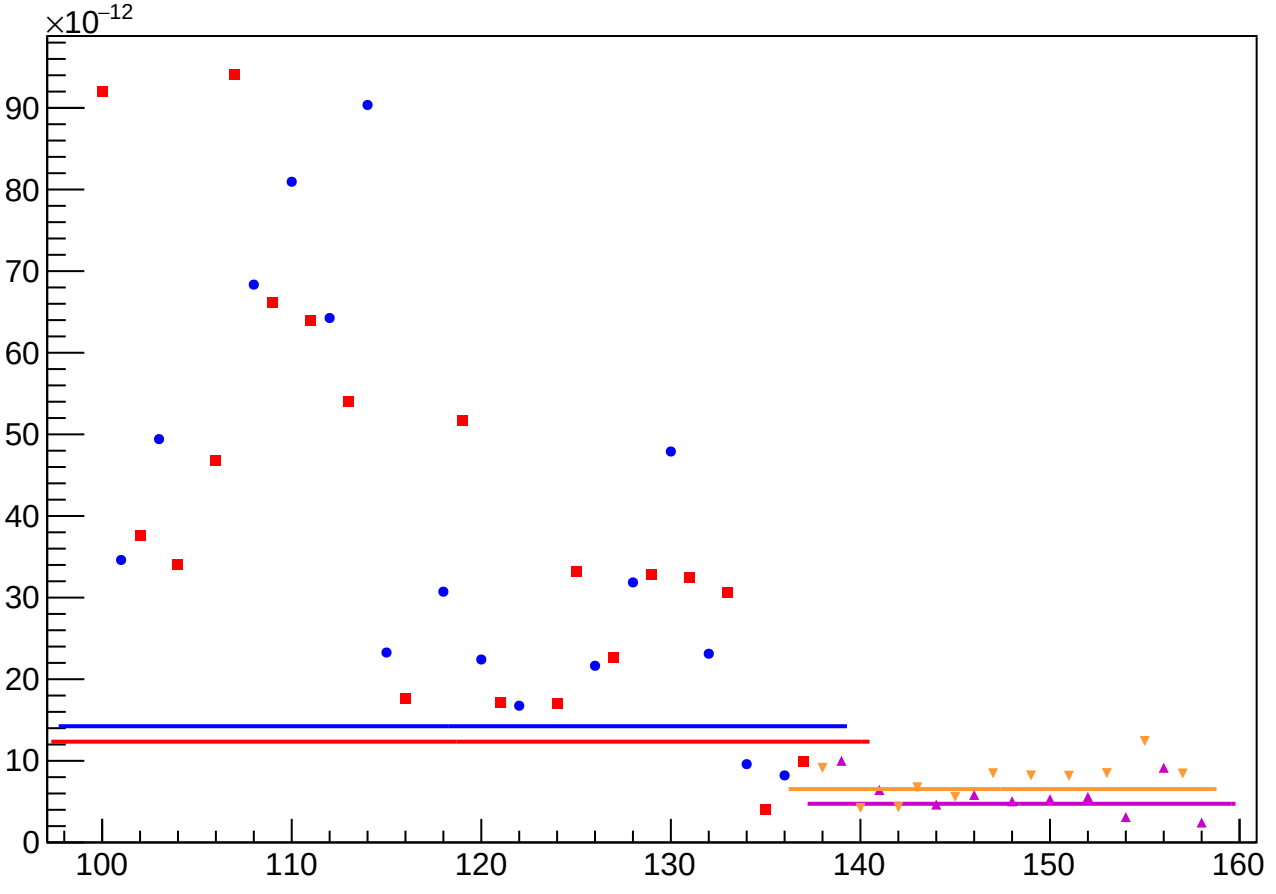
Left In: -0.000+/-0.000 χ^2/NDF:3.5/9

+ sign -0.000+/-0.000 χ^2/NDF: 35.5/26

All: -0.000+/-0.000 χ^2/NDF: 69.4/55

- sign -0.000+/-0.000 χ^2/NDF: 33.8/28

asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2493527.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:653862.0/10

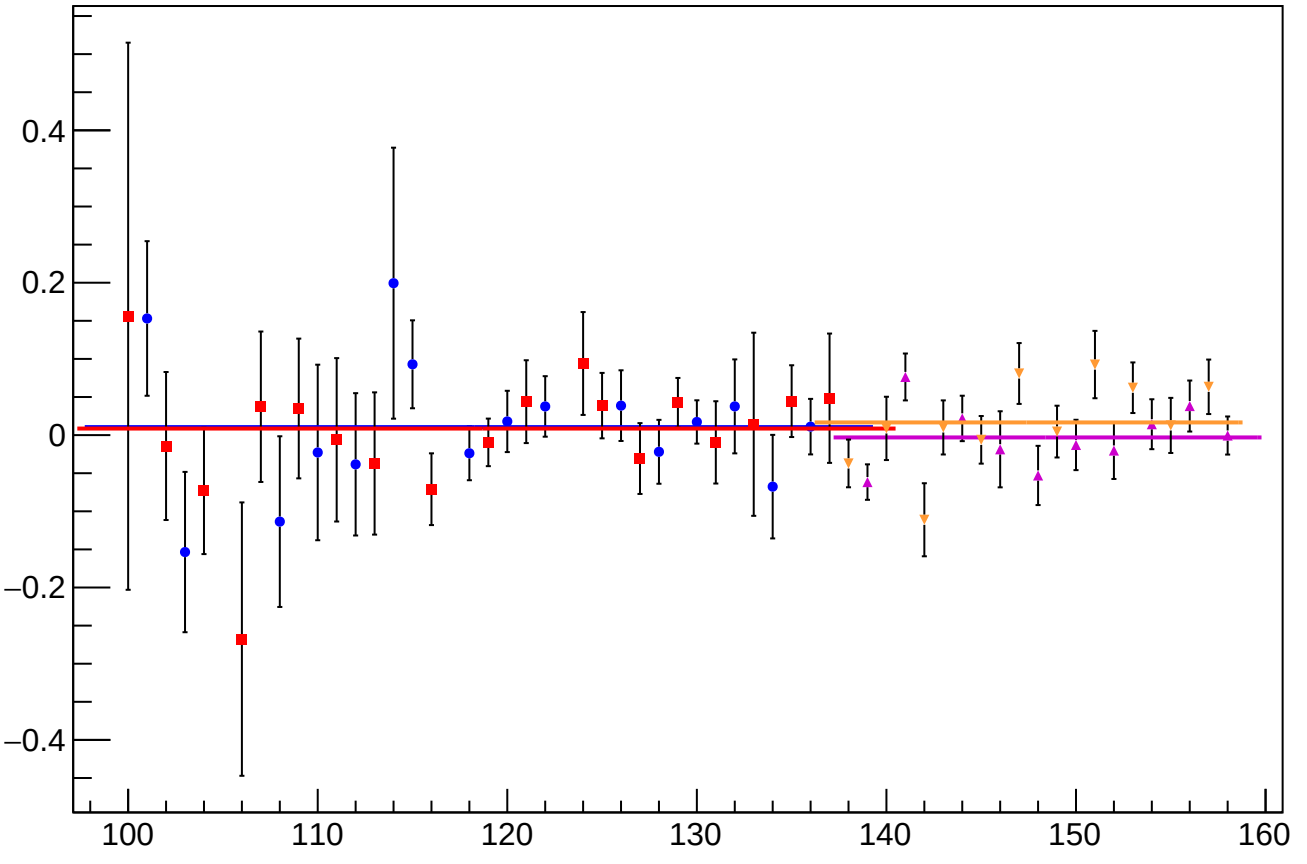
Right Out: 0.000+/-0.000 χ^2/NDF: 3472954.4/18

Left In: 0.000+/-0.000 χ^2/NDF:762946.9/9

+ sign 0.000+/-0.000 χ^2/NDF: 4102962.9/26

All: 0.000+/-0.000 χ^2/NDF: 9718797.6/55

- sign 0.000+/-0.000 χ^2/NDF: 5199130.1/28



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.017+/-0.011 χ^2/NDF:19.9/10

Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

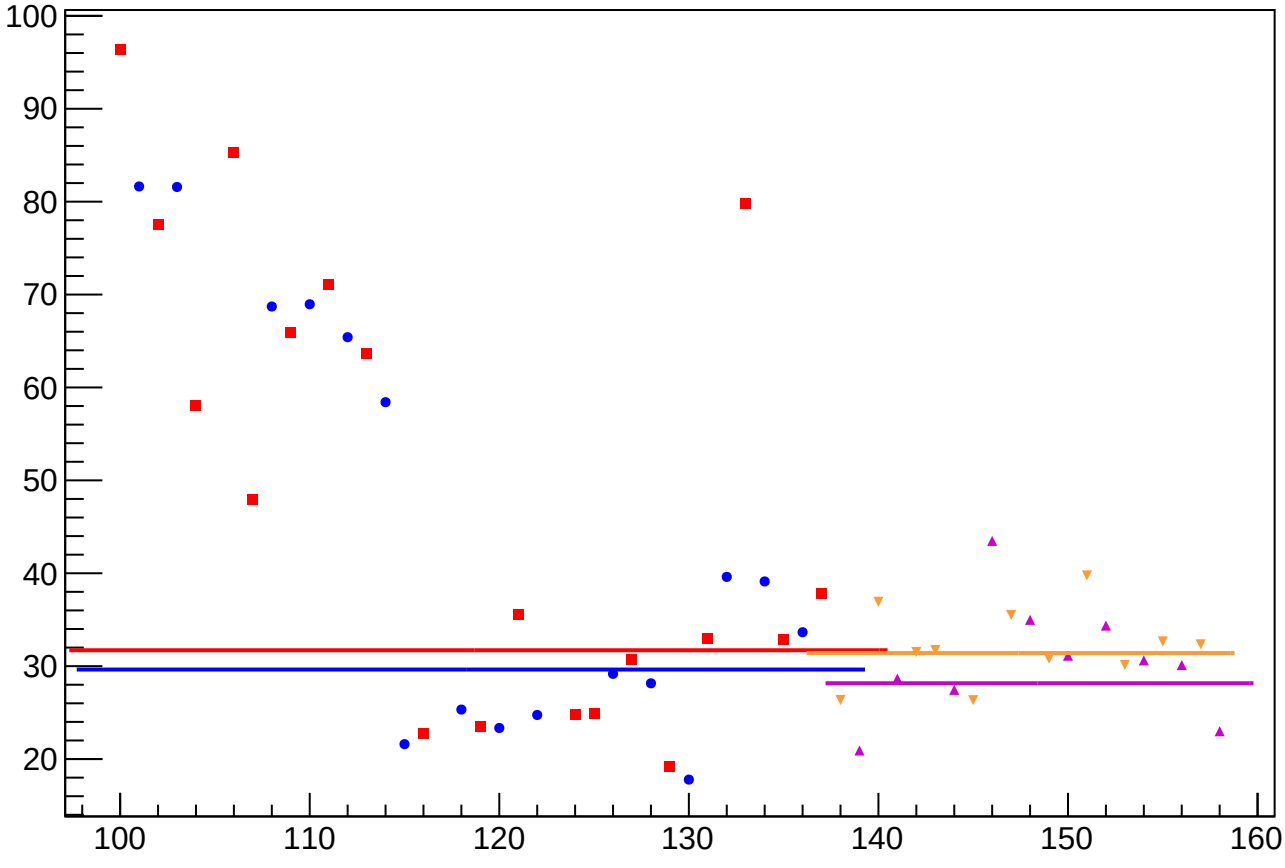
Left In: -0.003+/-0.010 χ^2/NDF:17.5/9

+ sign 0.014+/-0.008 χ^2/NDF: 33.2/26

All: 0.007+/-0.006 χ^2/NDF: 64.9/55

- sign 0.001+/-0.008 χ^2/NDF: 30.5/28

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 31.411+/-0.008 χ^2/NDF:240136.4/10

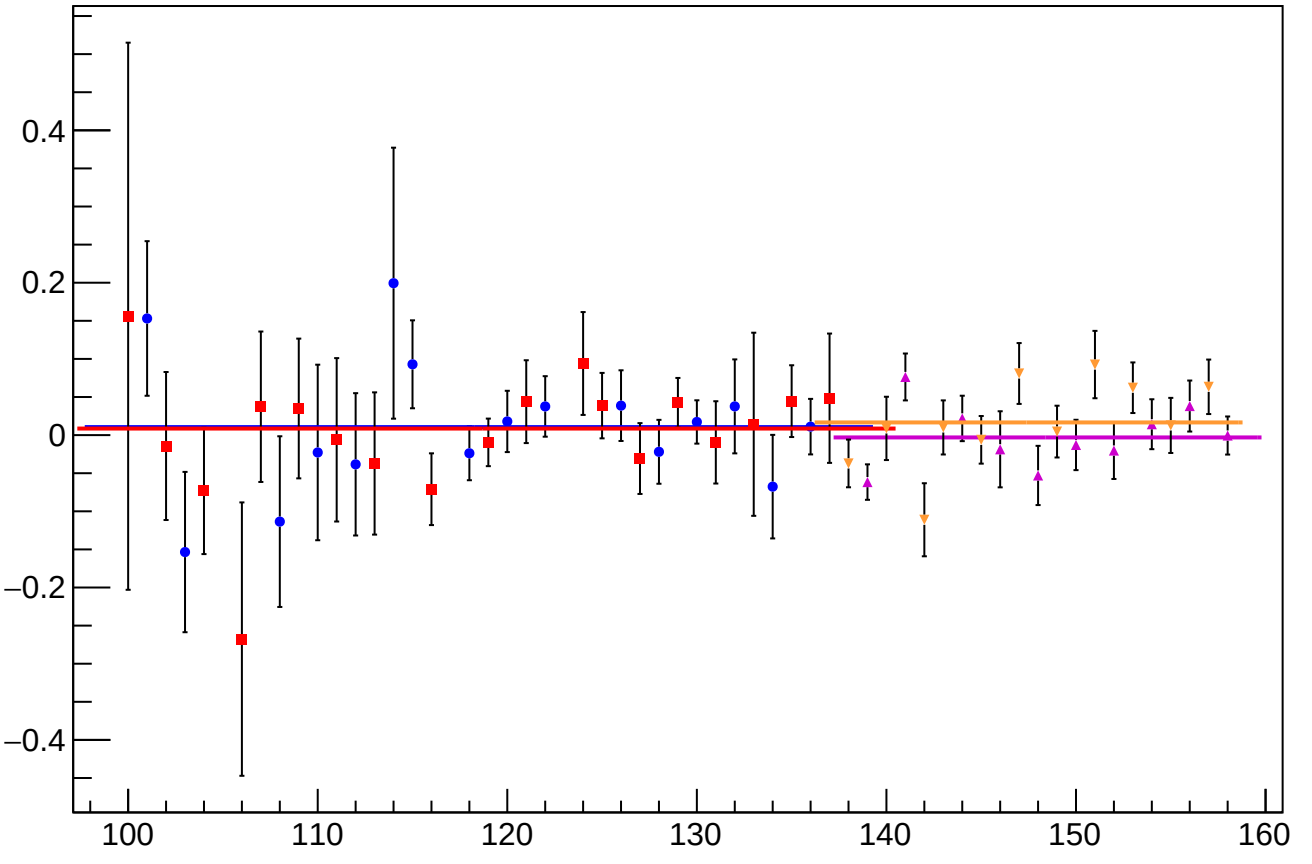
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.160+/-0.007 χ^2/NDF:620025.5/9

+ sign 30.642+/-0.006 χ^2/NDF: 2711307.8/26

All: 30.017+/-0.004 χ^2/NDF: 6097019.6/55

- sign 29.438+/-0.006 χ^2/NDF: 3363634.3/28



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.017+/-0.011 χ^2/NDF:19.9/10

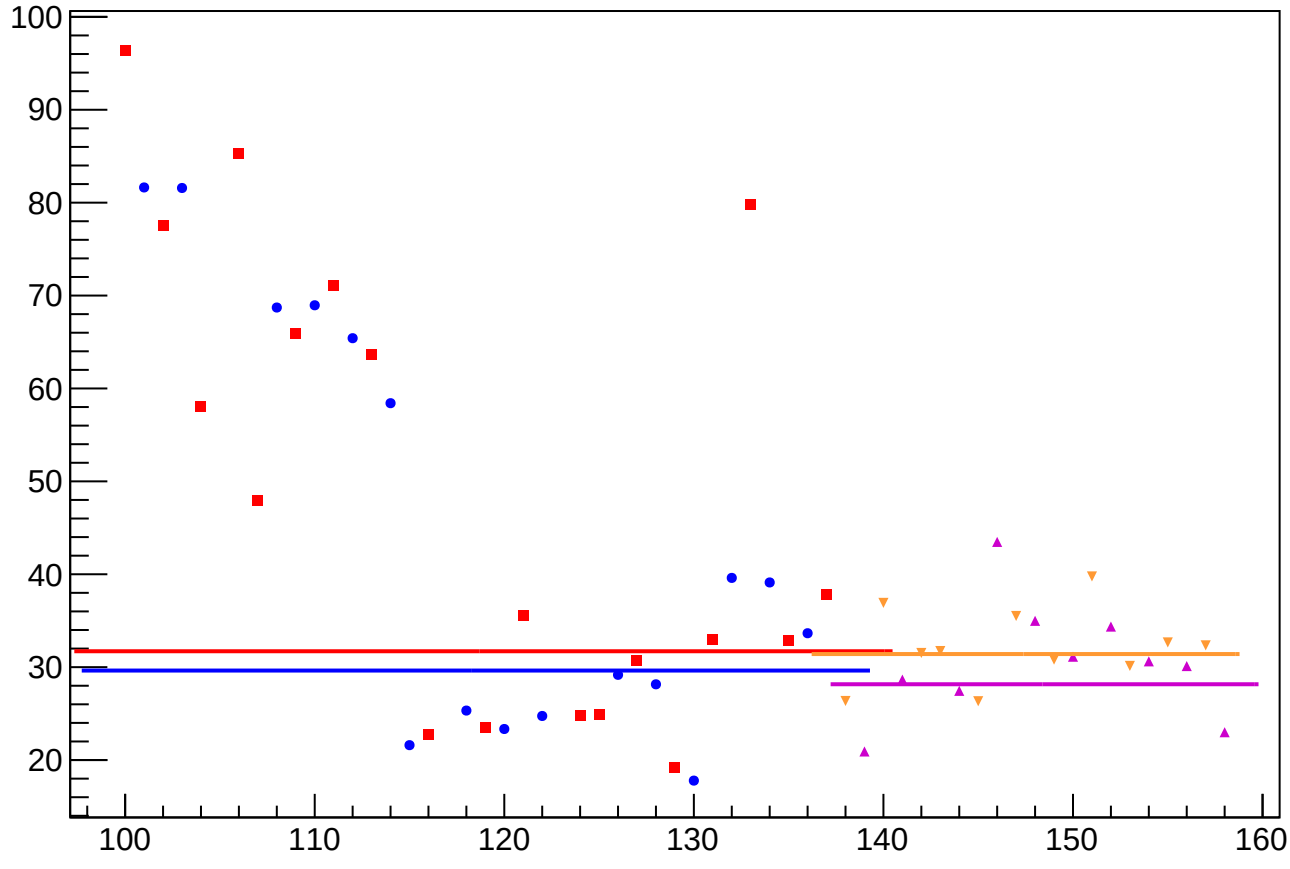
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.003+/-0.010 χ^2/NDF:17.5/9

+ sign 0.014+/-0.008 χ^2/NDF: 33.2/26

All: 0.007+/-0.006 χ^2/NDF: 64.9/55

- sign 0.001+/-0.008 χ^2/NDF: 30.5/28



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 31.411+/-0.008 χ^2/NDF:240136.4/10

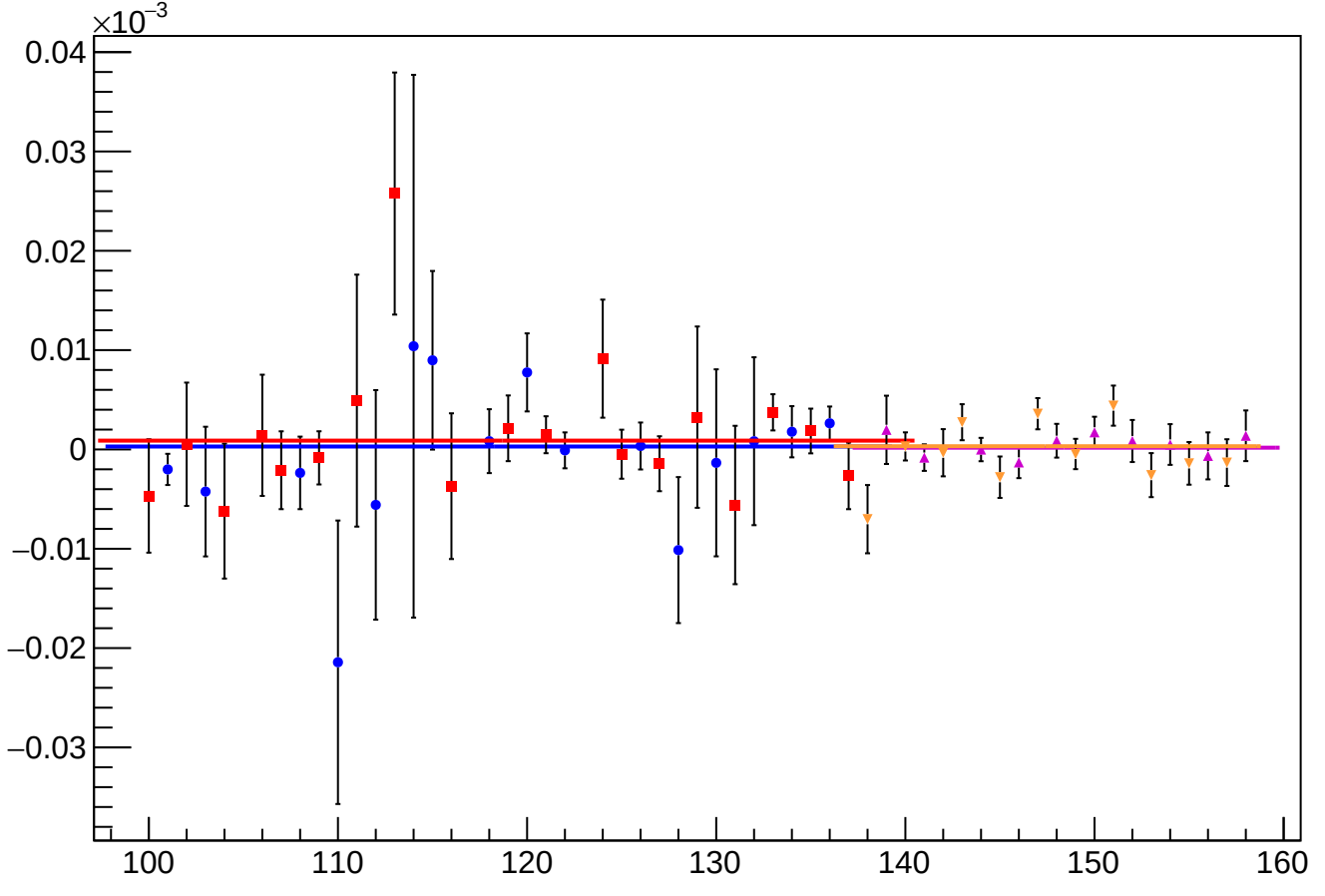
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.160+/-0.007 χ^2/NDF:620025.5/9

+ sign 30.642+/-0.006 χ^2/NDF: 2711307.8/26

All: 30.017+/-0.004 χ^2/NDF: 6097019.6/55

- sign 29.438+/-0.006 χ^2/NDF: 3363634.3/28



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.2/10

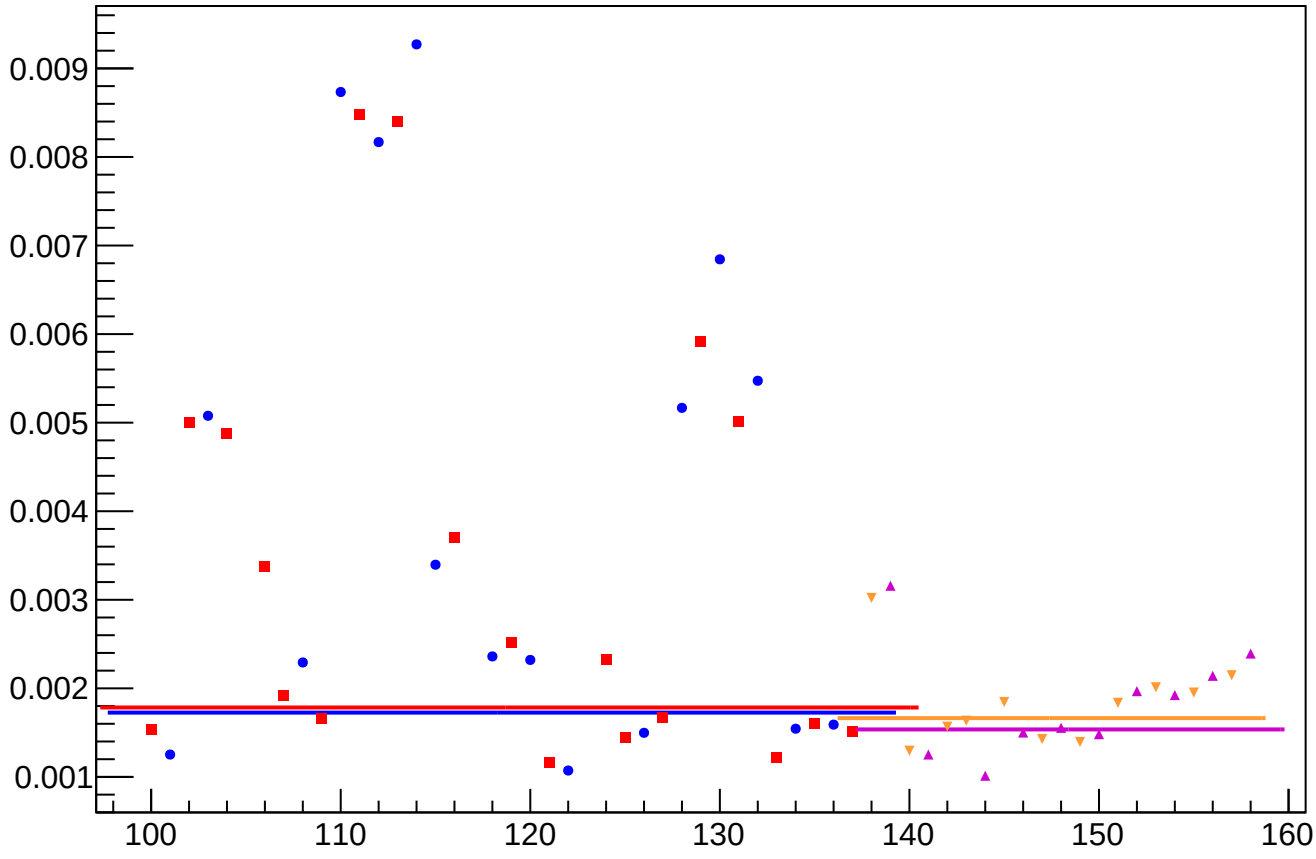
Right Out: 0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: 0.000+/-0.000 χ^2/NDF:3.3/9

+ sign 0.000+/-0.000 χ^2/NDF: 35.0/26

All: 0.000+/-0.000 χ^2/NDF: 54.3/55

- sign 0.000+/-0.000 χ^2/NDF: 19.3/28



Right In: 0.002+/-0.000 χ^2/NDF: 3932244.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:758915.6/10

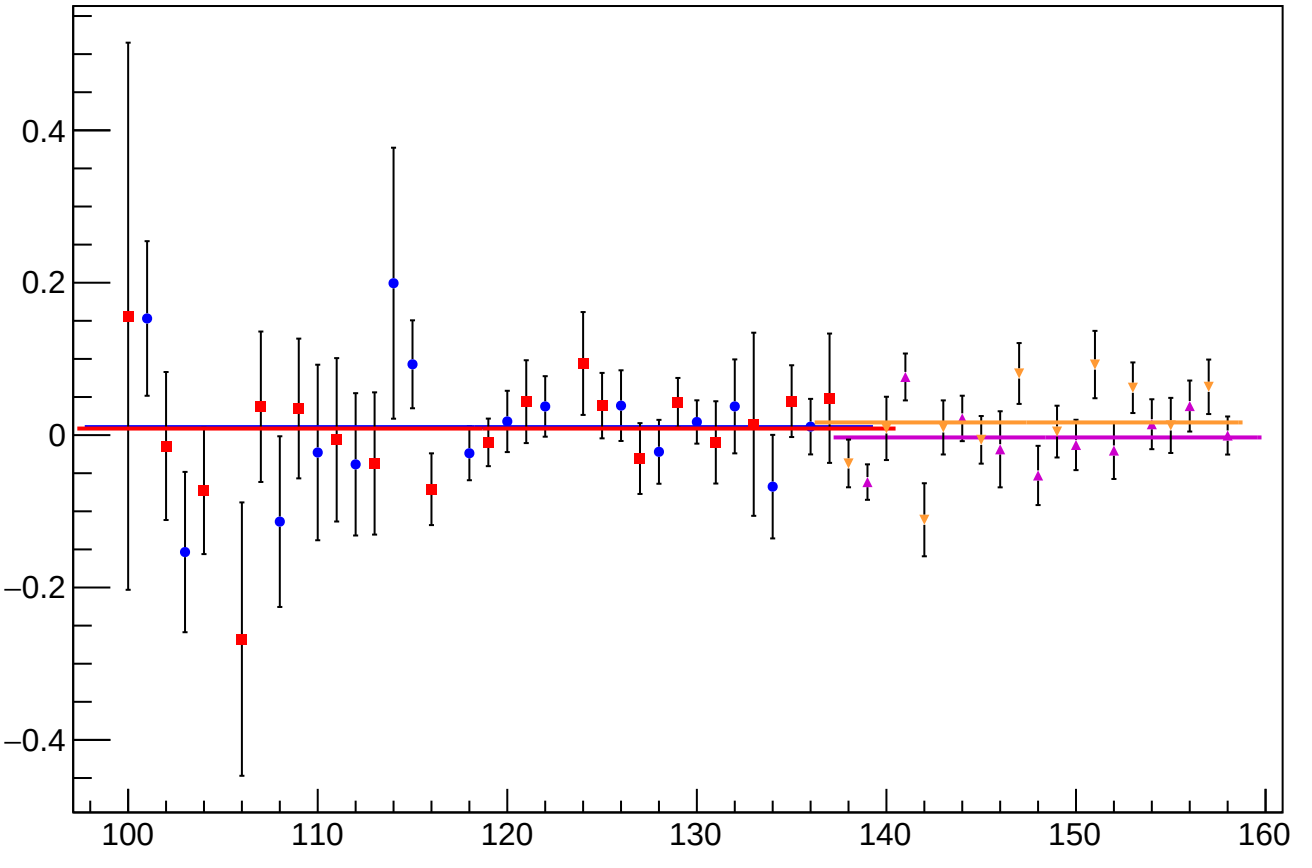
Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.002+/-0.000 χ^2/NDF:1445106.5/9

+ sign 0.002+/-0.000 χ^2/NDF: 4699660.7/26

All: 0.002+/-0.000 χ^2/NDF: 10021518.2/55

- sign 0.002+/-0.000 χ^2/NDF: 5299613.6/28



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.017+/-0.011 χ^2/NDF:19.9/10

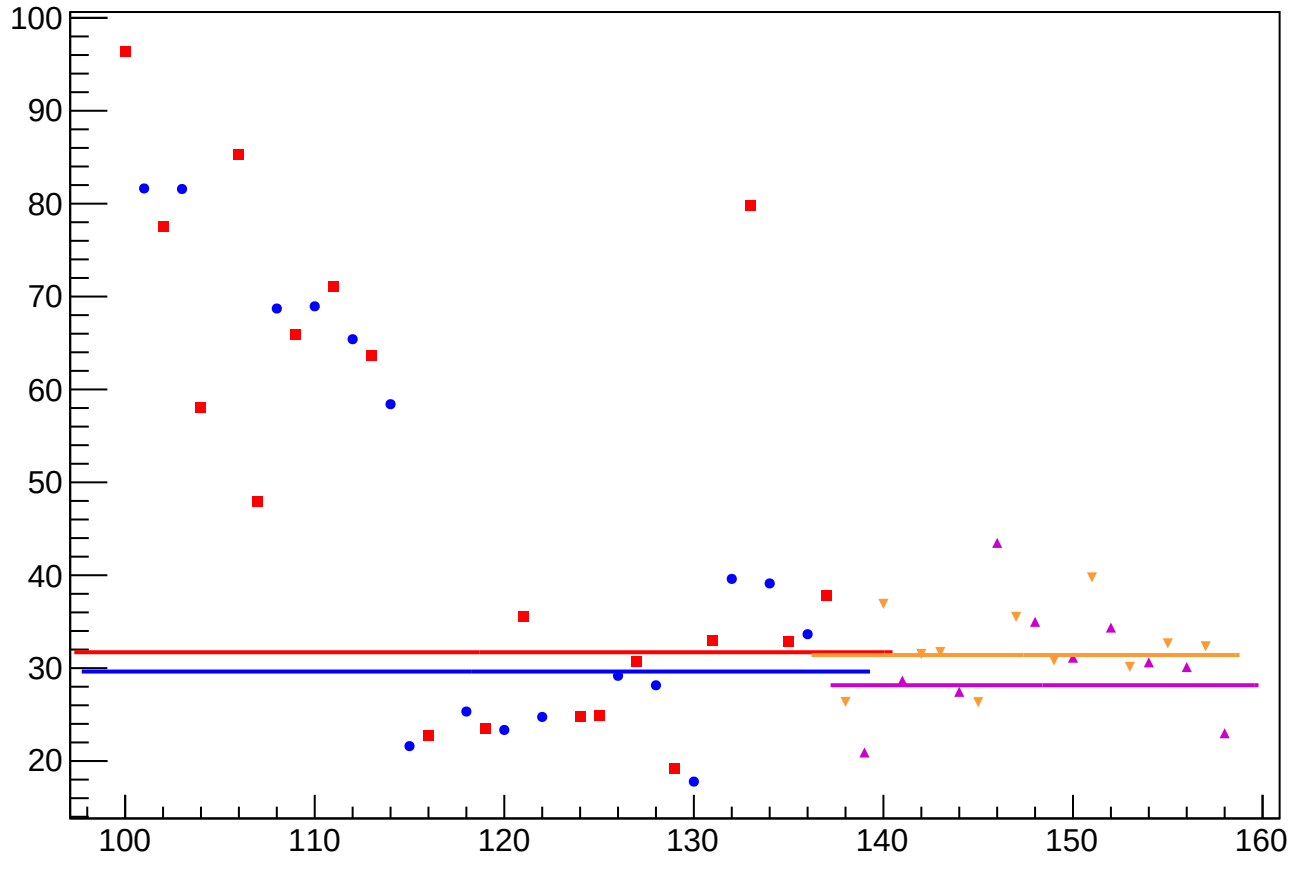
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.003+/-0.010 χ^2/NDF:17.5/9

+ sign 0.014+/-0.008 χ^2/NDF: 33.2/26

All: 0.007+/-0.006 χ^2/NDF: 64.9/55

- sign 0.001+/-0.008 χ^2/NDF: 30.5/28



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 31.411+/-0.008 χ^2/NDF:240137.2/10

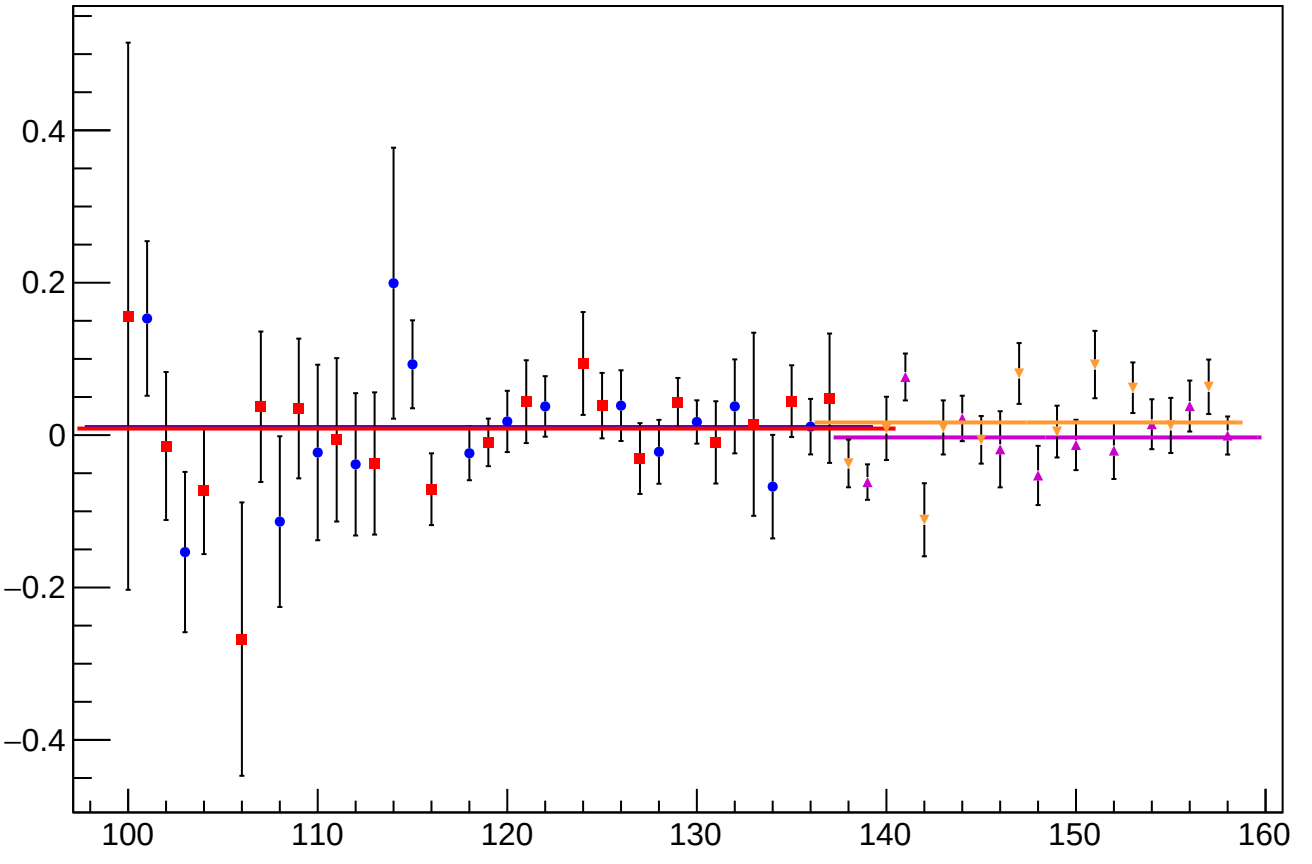
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.160+/-0.007 χ^2/NDF:620042.5/9

+ sign 30.642+/-0.006 χ^2/NDF: 2711553.3/26

All: 30.016+/-0.004 χ^2/NDF: 6097372.1/55

- sign 29.438+/-0.006 χ^2/NDF: 3363745.3/28



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.017+/-0.011 χ^2/NDF:19.9/10

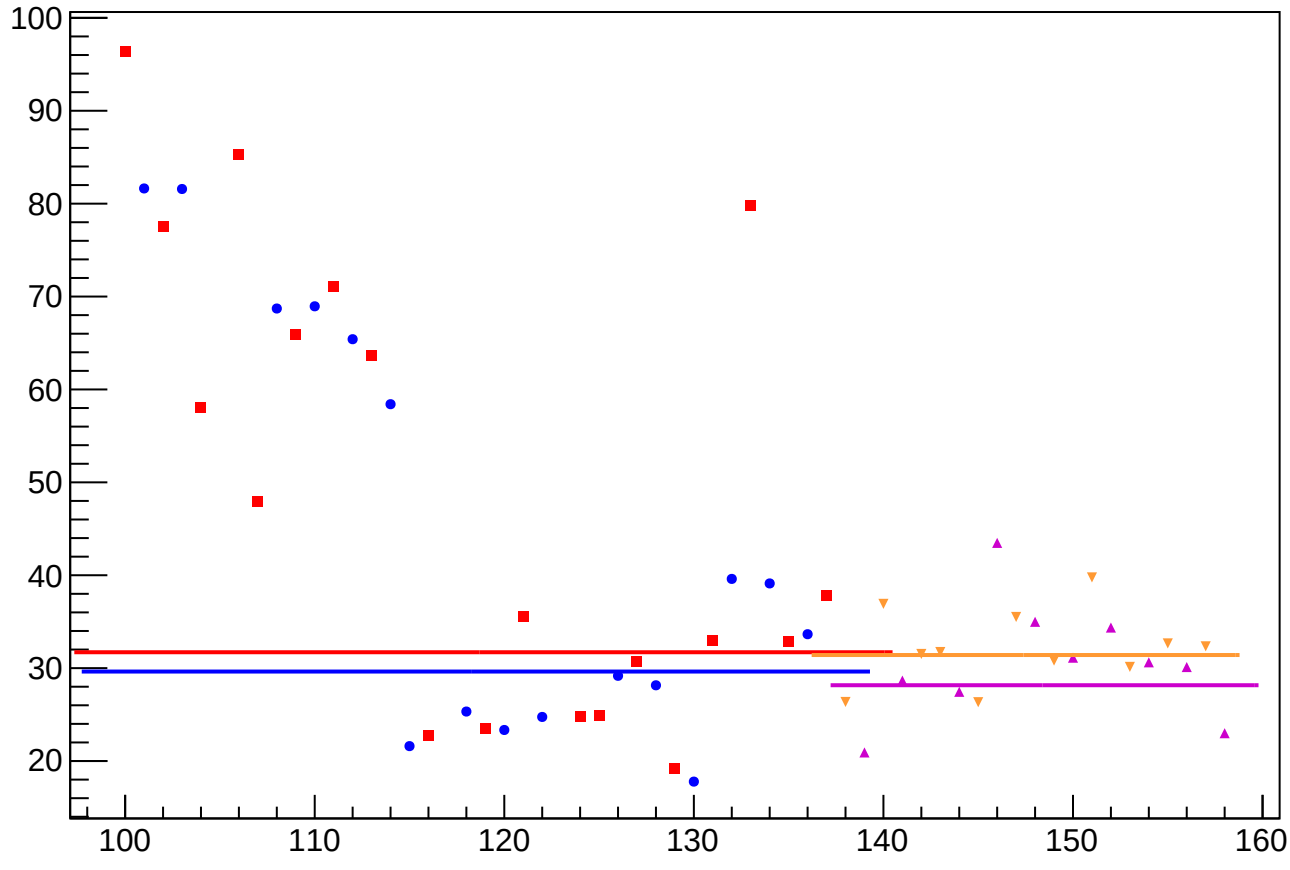
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.003+/-0.010 χ^2/NDF:17.5/9

+ sign 0.014+/-0.008 χ^2/NDF: 33.2/26

All: 0.007+/-0.006 χ^2/NDF: 64.9/55

- sign 0.001+/-0.008 χ^2/NDF: 30.5/28



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 31.411+/-0.008 χ^2/NDF:240137.2/10

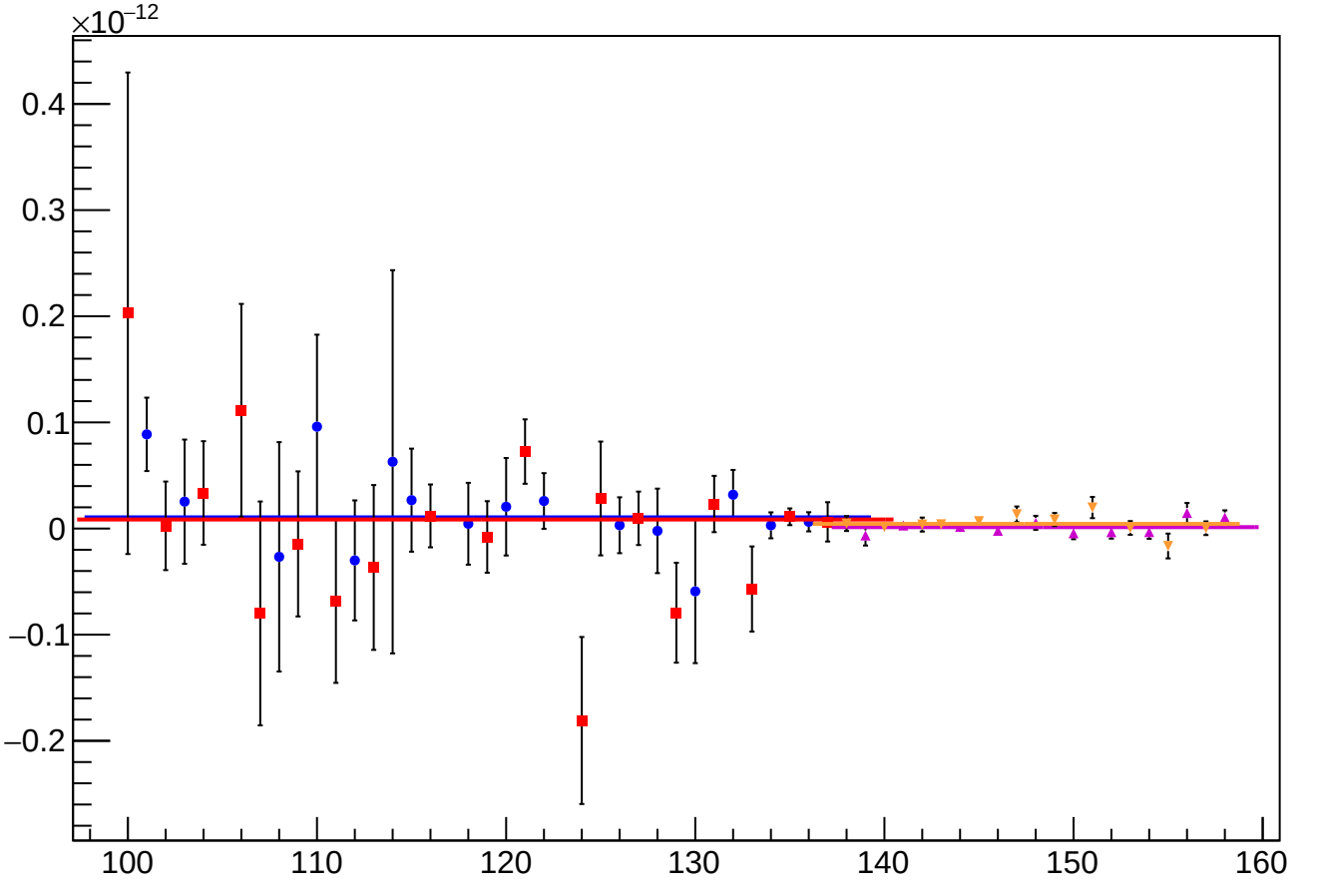
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.160+/-0.007 χ^2/NDF:620042.5/9

+ sign 30.642+/-0.006 χ^2/NDF: 2711553.3/26

All: 30.016+/-0.004 χ^2/NDF: 6097372.1/55

- sign 29.438+/-0.006 χ^2/NDF: 3363745.3/28



Right In: 0.000+/-0.000 χ^2/NDF: 10.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.3/10

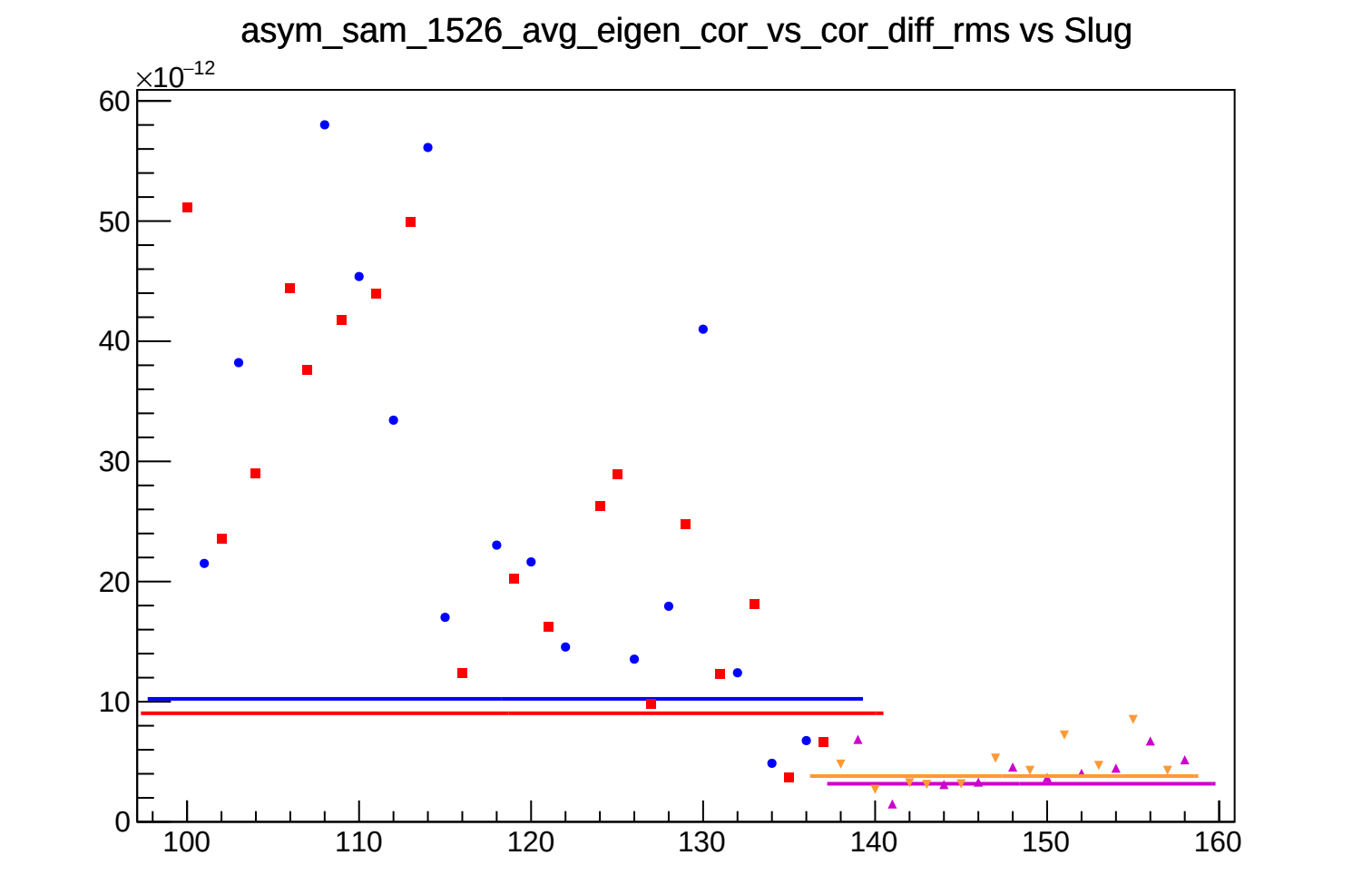
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:7.9/9

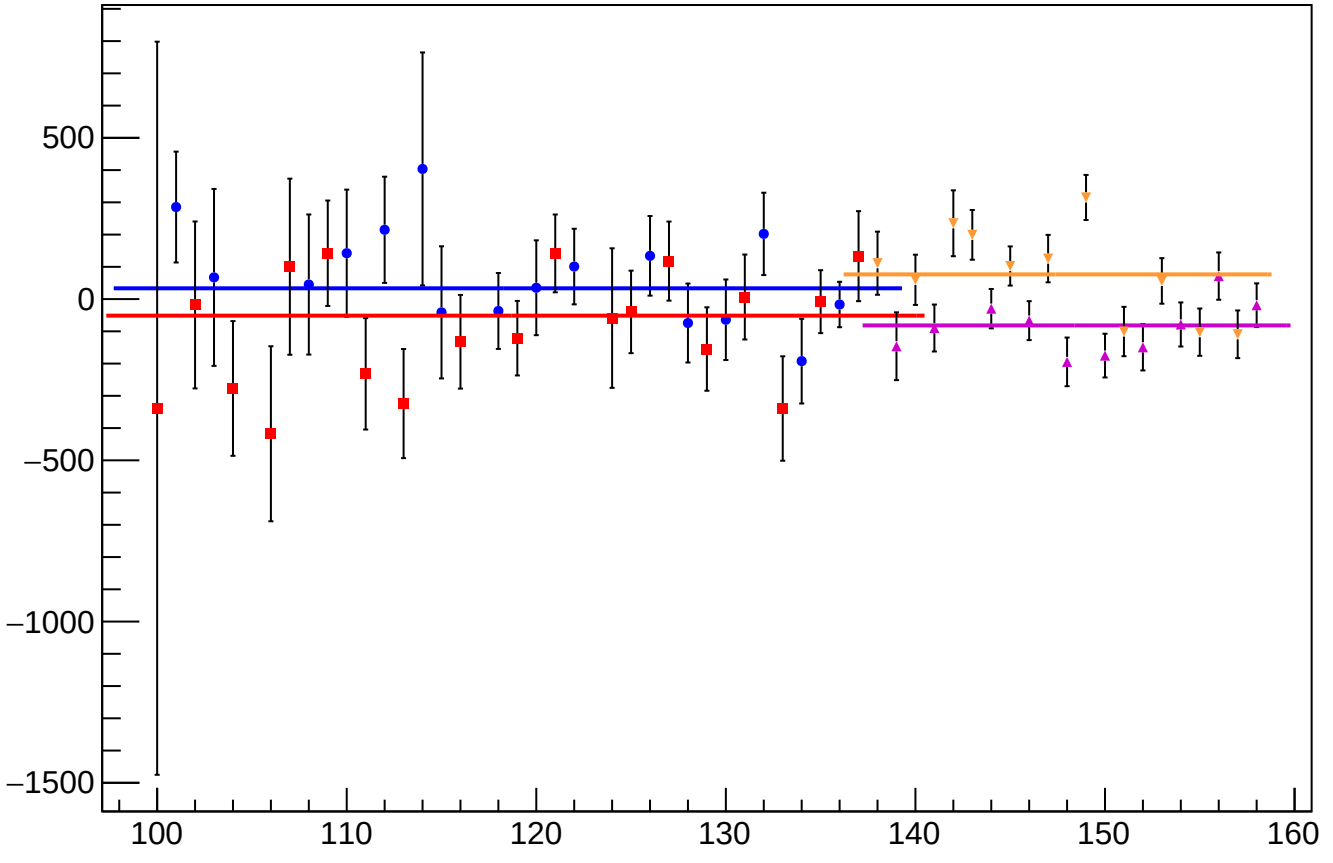
+ sign 0.000+/-0.000 χ^2/NDF: 20.3/26

All: 0.000+/-0.000 χ^2/NDF: 52.9/55

- sign 0.000+/-0.000 χ^2/NDF: 30.7/28


asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3511693.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1024516.7/10
Right Out: 0.000+/-0.000 χ²/NDF: 4514368.5/18
Left In: 0.000+/-0.000 χ²/NDF:1772013.0/9
+ sign 0.000+/-0.000 χ²/NDF: 6654842.7/26
All: 0.000+/-0.000 χ²/NDF: 14989555.7/55
- sign 0.000+/-0.000 χ²/NDF: 8117632.0/28

reg_asym_sam_3726_avg_mean vs Slug



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 76.604+/-22.737 χ^2/NDF:35.1/10

Right Out: -51.335+/-34.851 χ^2/NDF: 19.6/18

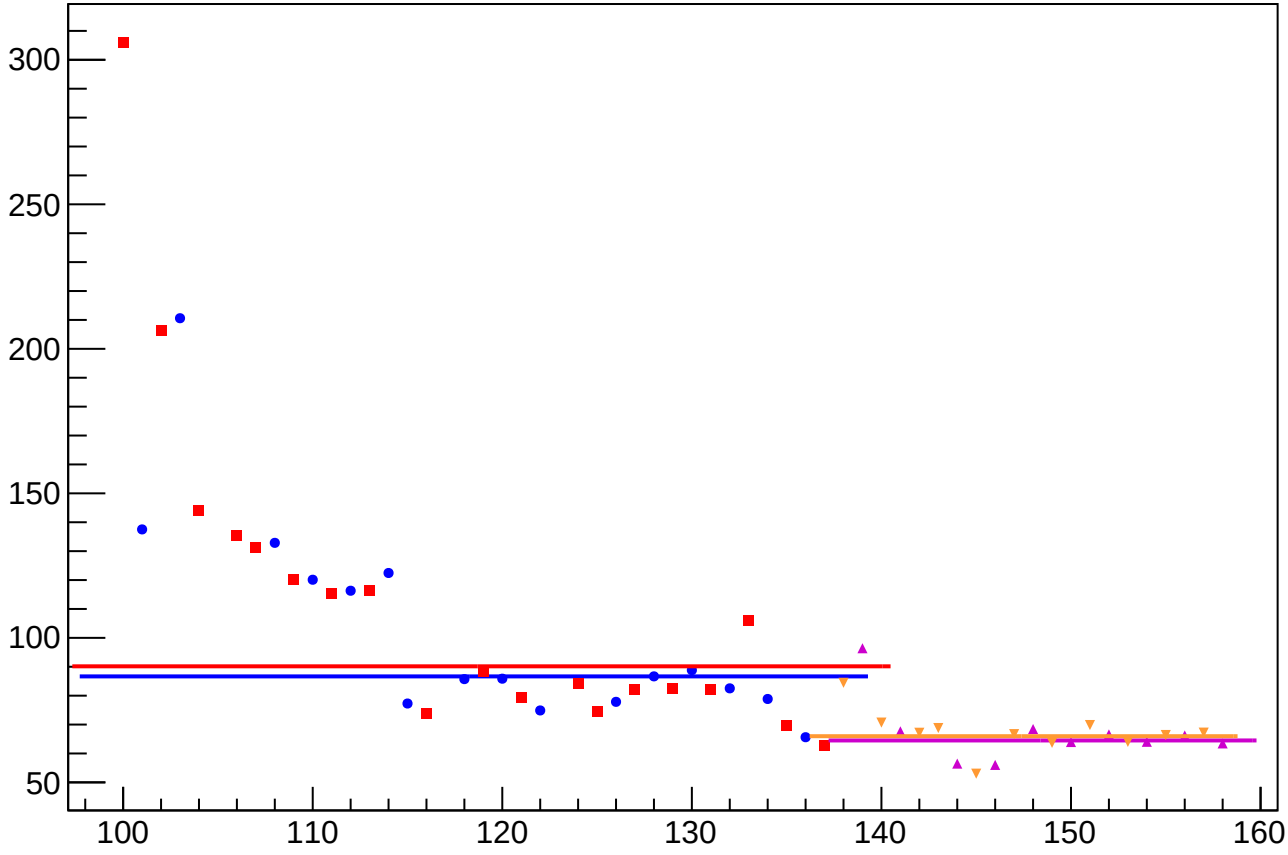
Left In: -81.670+/-22.211 χ^2/NDF:11.4/9

+ sign 63.198+/-18.880 χ^2/NDF: 49.1/26

All: -5.394+/-13.297 χ^2/NDF: 106.8/55

- sign -72.908+/-18.730 χ^2/NDF: 31.5/28

reg_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 65.976+/-0.016 χ^2/NDF:182383.3/10

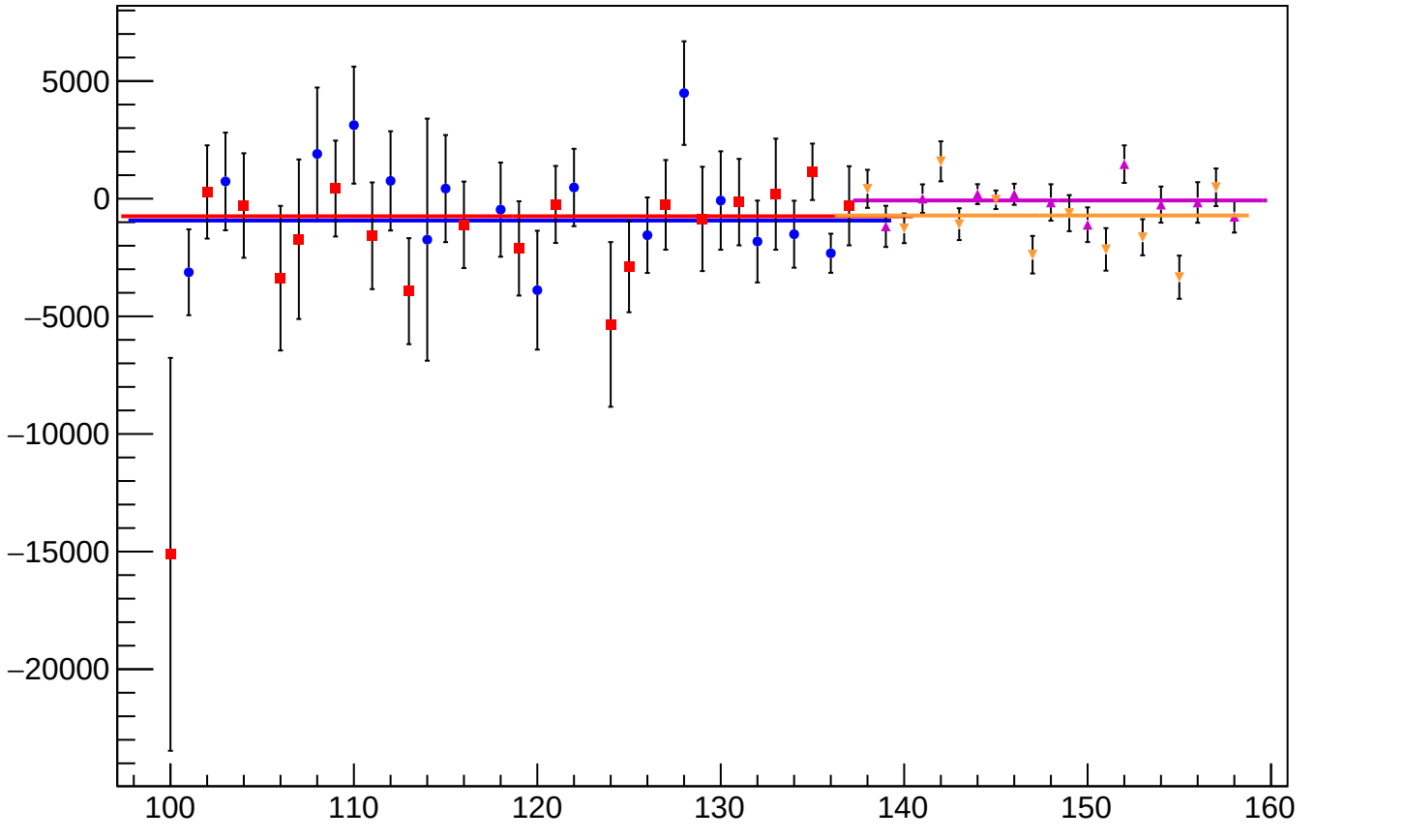
Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 64.504+/-0.016 χ^2/NDF:270846.9/9

+ sign 72.400+/-0.013 χ^2/NDF: 1735477.2/26

All: 72.155+/-0.009 χ^2/NDF: 3927316.3/55

- sign 71.913+/-0.013 χ^2/NDF: 2191167.8/28



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -714.175+/-208.573 χ^2/NDF:32.0/10

Right Out: -747.199+/-467.902 χ^2/NDF: 13.0/18

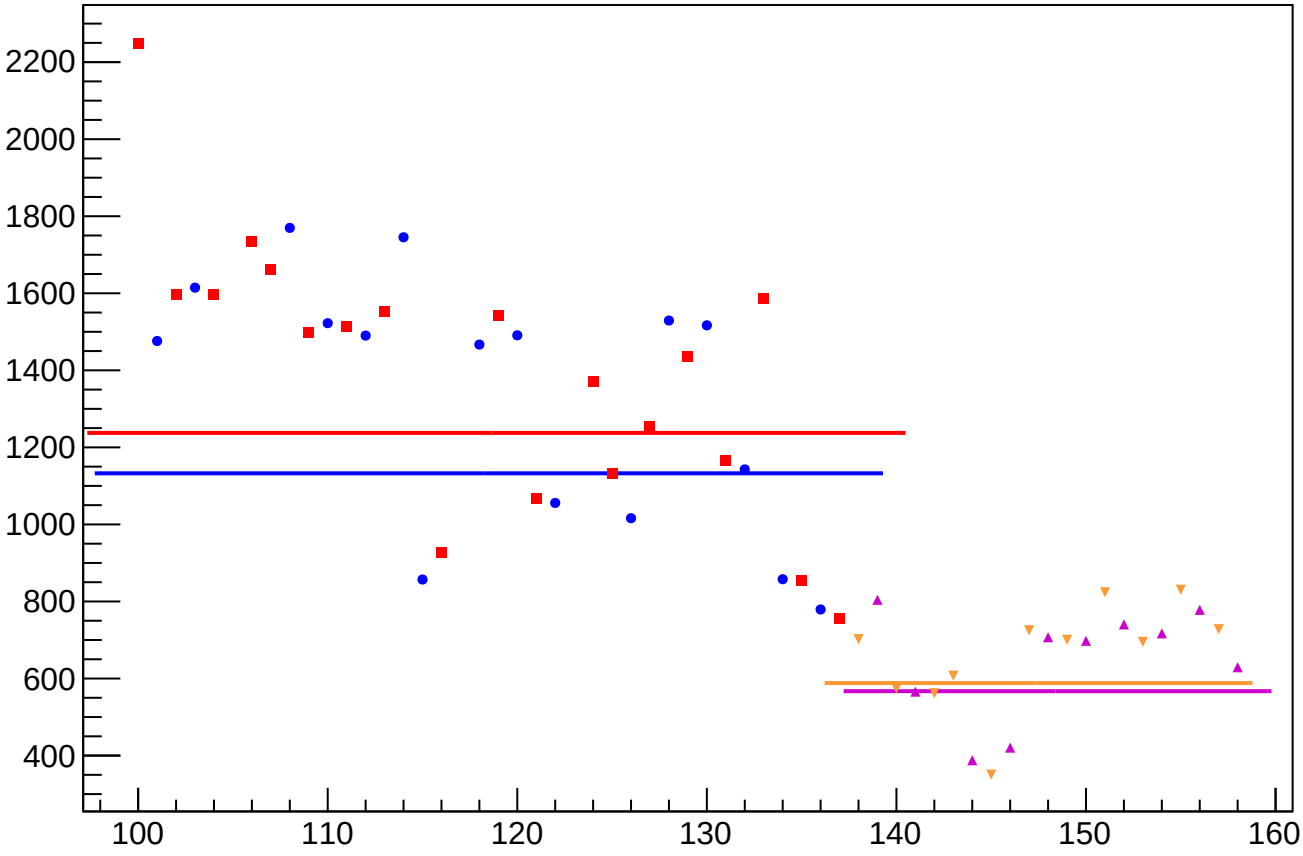
Left In: -74.449+/-200.282 χ^2/NDF:9.2/9

+ sign -753.610+/-188.540 χ^2/NDF: 50.7/26

All: -459.304+/-131.729 χ^2/NDF: 79.4/55

- sign -178.624+/-184.124 χ^2/NDF: 23.9/28

asym_sam_3726_avg_reg_correction_rms vs Slug



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 588.296+/-0.147 χ^2/NDF:1247525.0/10

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

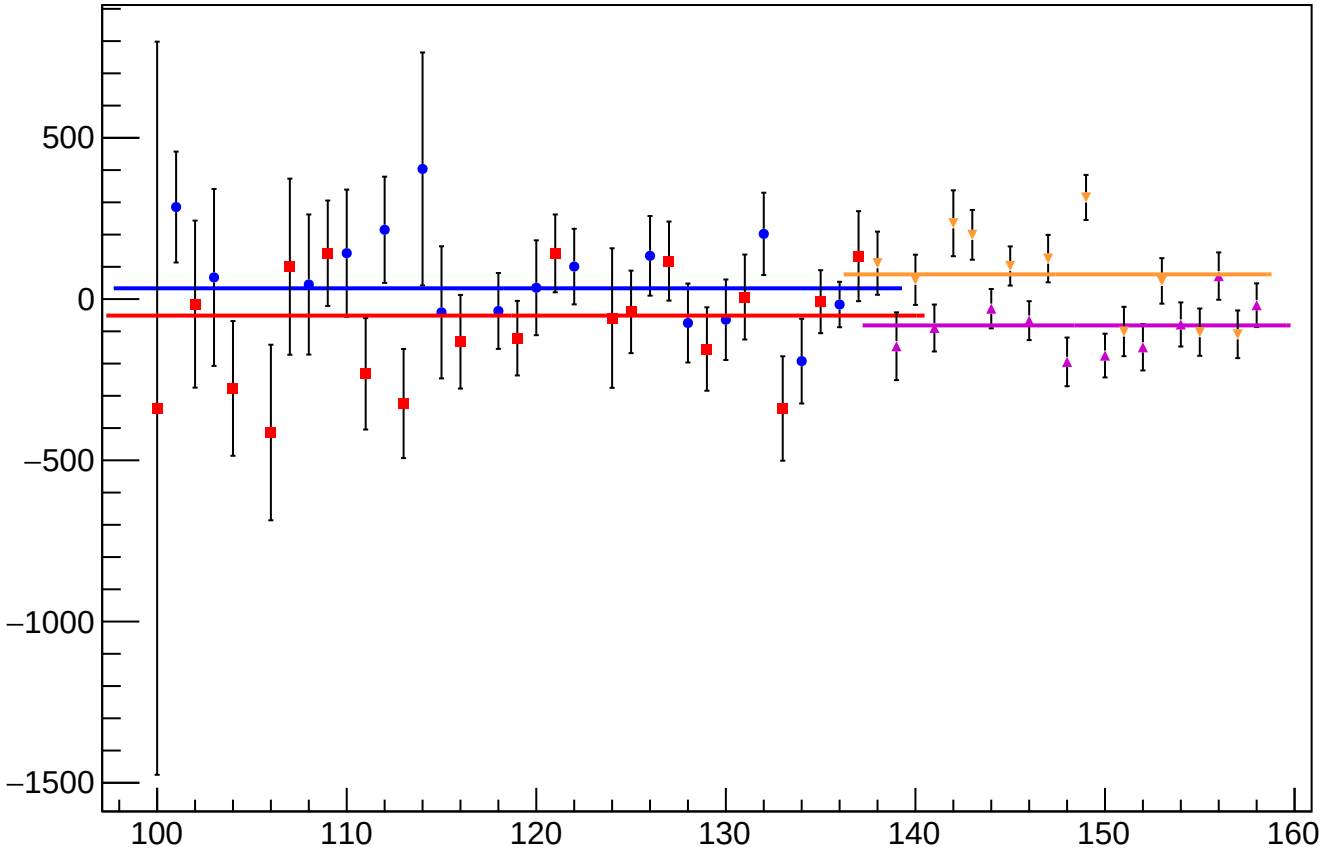
Left In: 567.143+/-0.142 χ^2/NDF:1155802.9/9

+ sign 687.848+/-0.133 χ^2/NDF: 4863279.6/26

All: 679.205+/-0.093 χ^2/NDF: 10393048.1/55

- sign 670.961+/-0.130 χ^2/NDF: 5521555.8/28

cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 76.609+/-22.737 χ^2/NDF:35.1/10

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

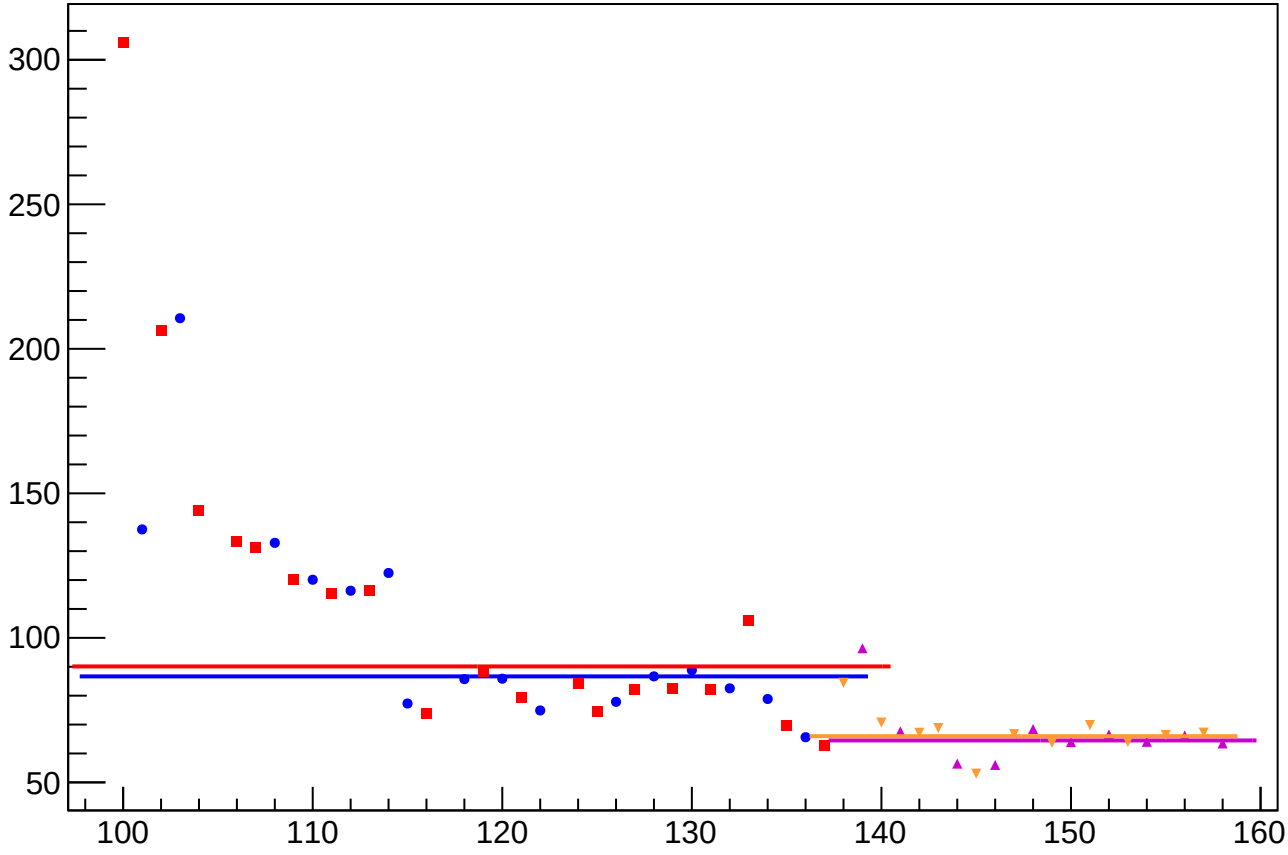
Left In: -81.672+/-22.211 χ^2/NDF:11.4/9

+ sign 63.199+/-18.880 χ^2/NDF: 49.1/26

All: -5.372+/-13.297 χ^2/NDF: 106.7/55

- sign -72.867+/-18.731 χ^2/NDF: 31.5/28

cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 65.976+/-0.016 χ^2/NDF:182383.3/10

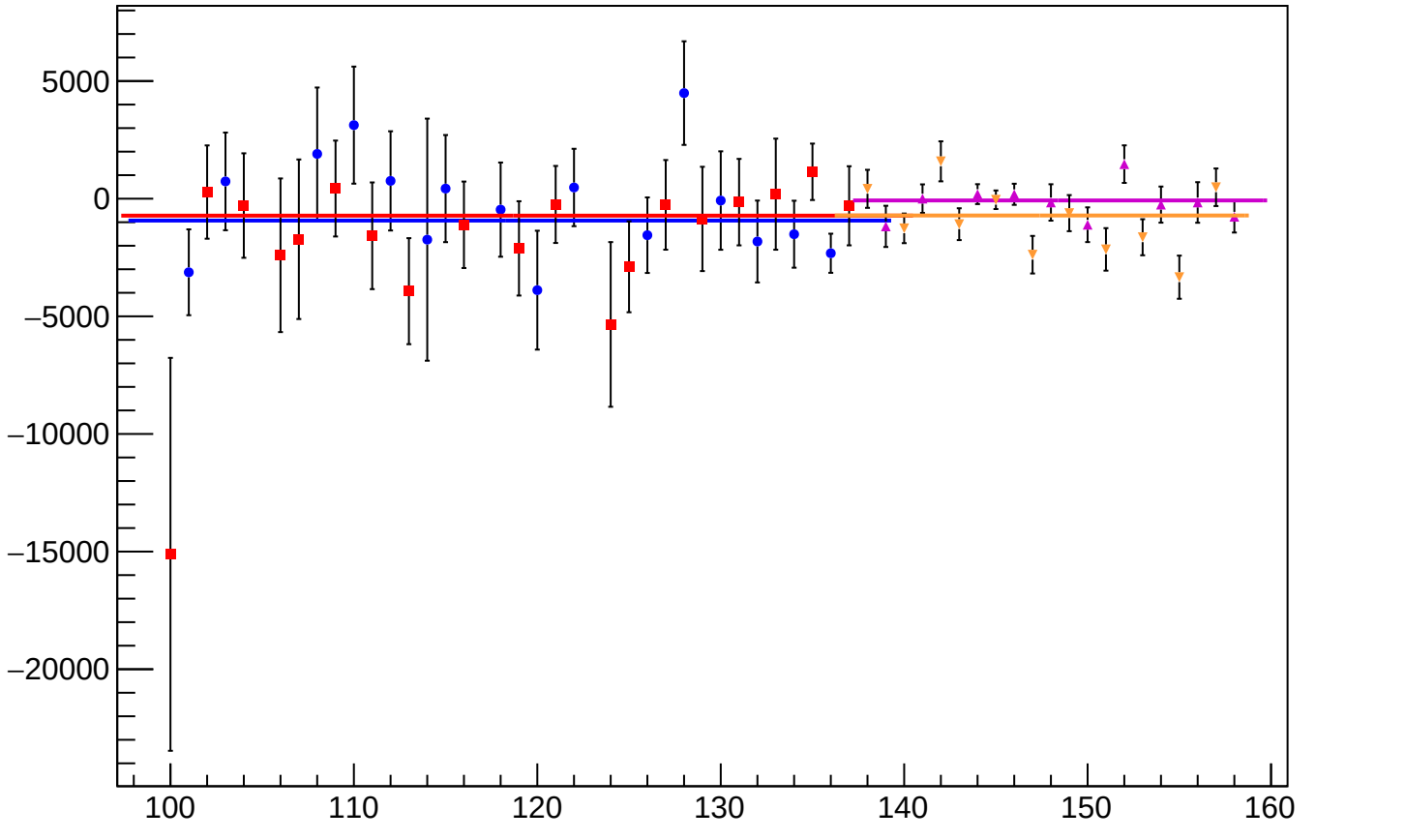
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 64.504+/-0.016 χ^2/NDF:270846.9/9

+ sign 72.400+/-0.013 χ^2/NDF: 1735479.7/26

All: 72.149+/-0.009 χ^2/NDF: 3920364.2/55

- sign 71.902+/-0.013 χ^2/NDF: 2184181.5/28



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -714.169+/-208.573 χ^2/NDF:32.0/10

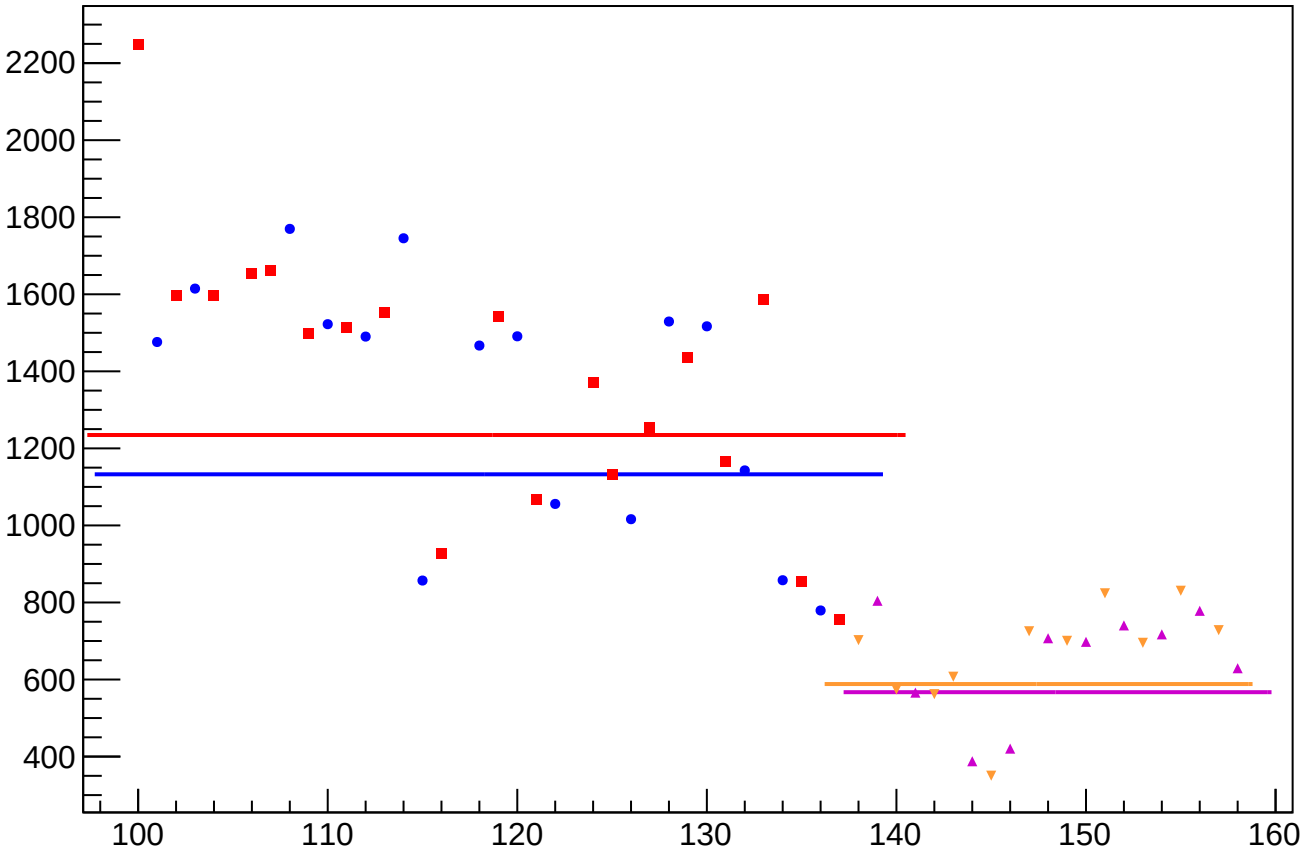
Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: -74.451+/-200.282 χ^2/NDF:9.2/9

+ sign -753.599+/-188.540 χ^2/NDF: 50.7/26

All: -457.134+/-131.743 χ^2/NDF: 78.9/55

- sign -174.276+/-184.162 χ^2/NDF: 23.3/28



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 588.296+/-0.147 χ^2/NDF:1247527.8/10

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

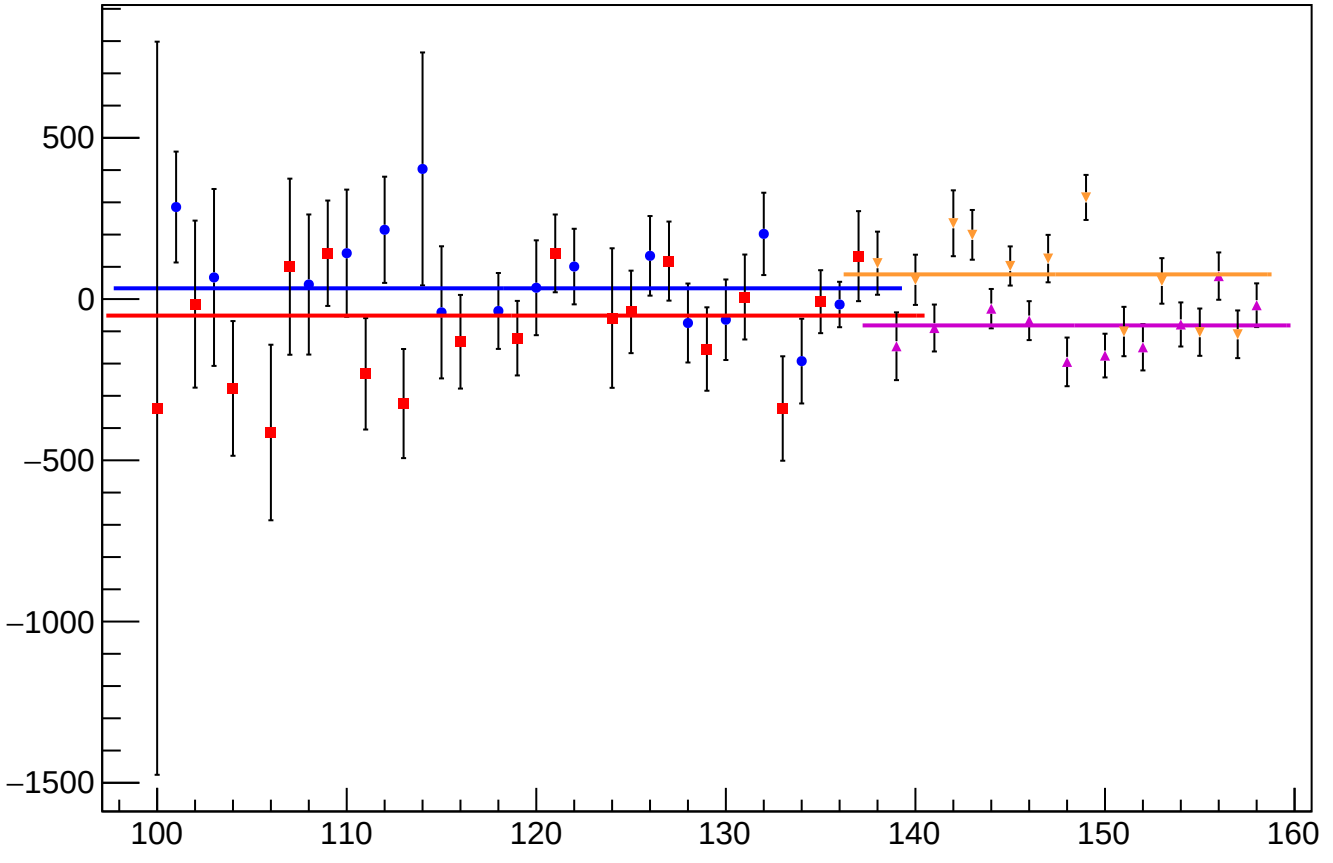
Left In: 567.143+/-0.142 χ^2/NDF:1155803.2/9

+ sign 687.848+/-0.133 χ^2/NDF: 4863322.6/26

All: 678.856+/-0.093 χ^2/NDF: 10337039.1/55

- sign 670.277+/-0.130 χ^2/NDF: 5464827.5/28

eigen_cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 76.609+/-22.737 χ^2/NDF:35.1/10

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

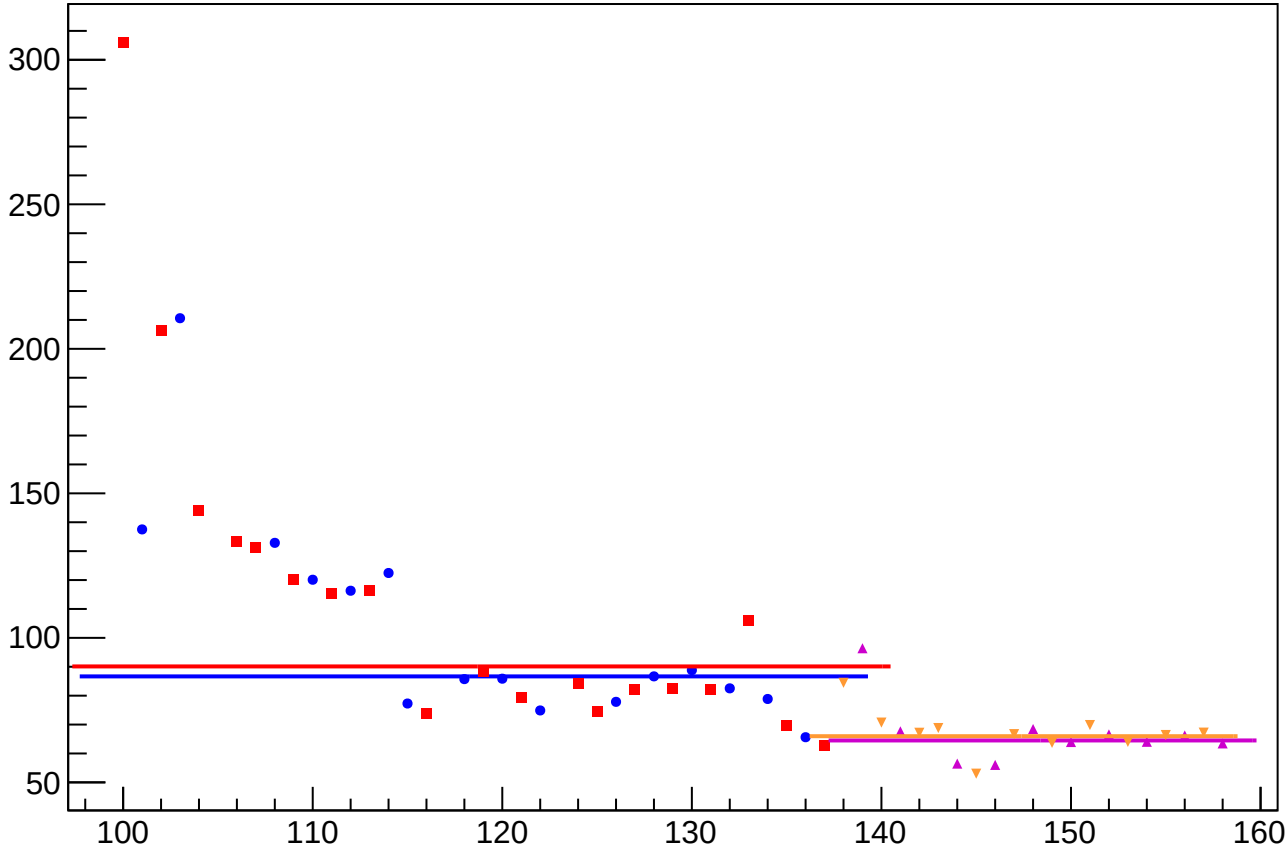
Left In: -81.672+/-22.211 χ^2/NDF:11.4/9

+ sign 63.199+/-18.880 χ^2/NDF: 49.1/26

All: -5.372+/-13.297 χ^2/NDF: 106.7/55

- sign -72.867+/-18.731 χ^2/NDF: 31.5/28

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 65.976+/-0.016 χ^2/NDF:182383.3/10

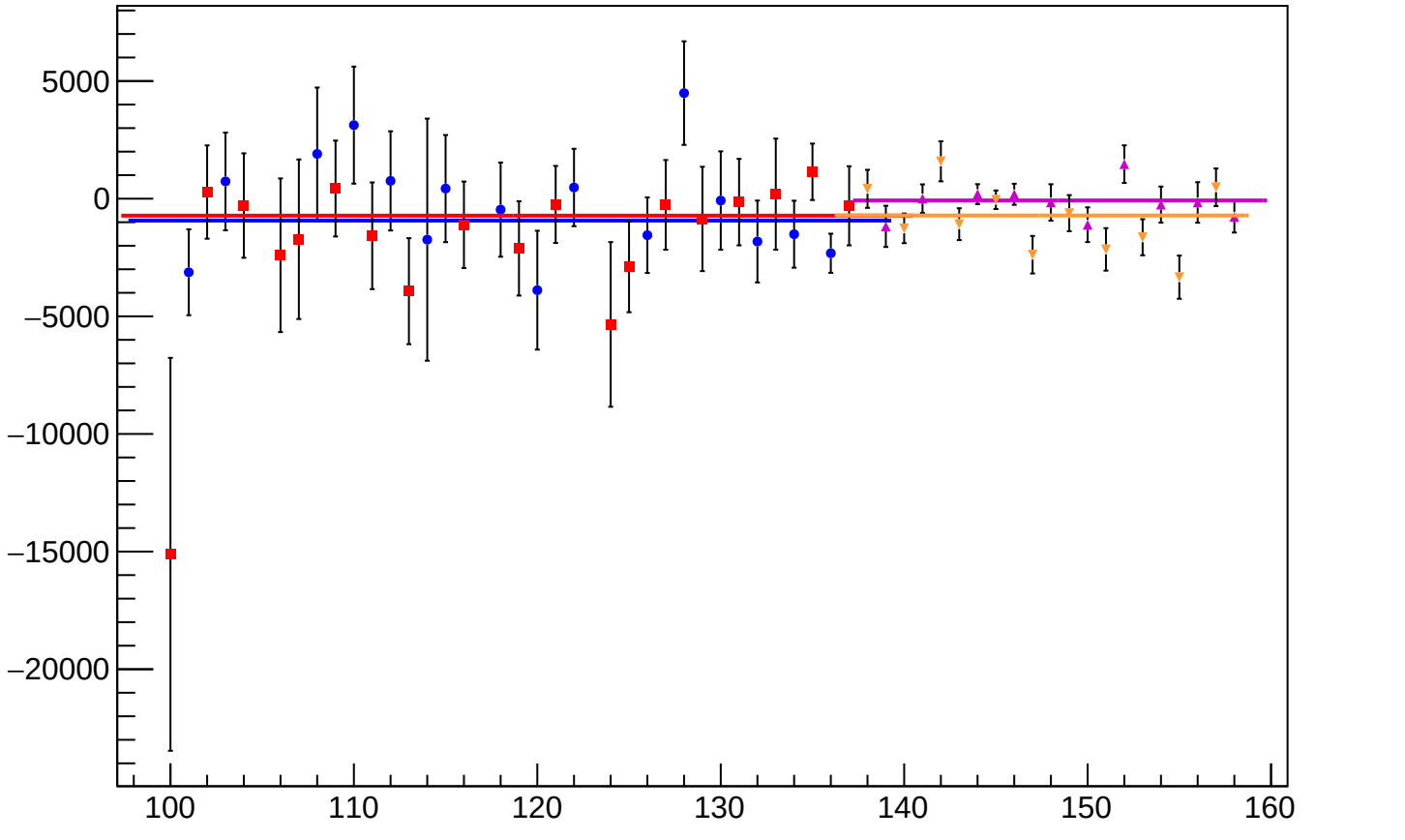
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 64.504+/-0.016 χ^2/NDF:270846.9/9

+ sign 72.400+/-0.013 χ^2/NDF: 1735479.7/26

All: 72.149+/-0.009 χ^2/NDF: 3920364.2/55

- sign 71.902+/-0.013 χ^2/NDF: 2184181.5/28



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -714.169+/-208.573 χ^2/NDF:32.0/10

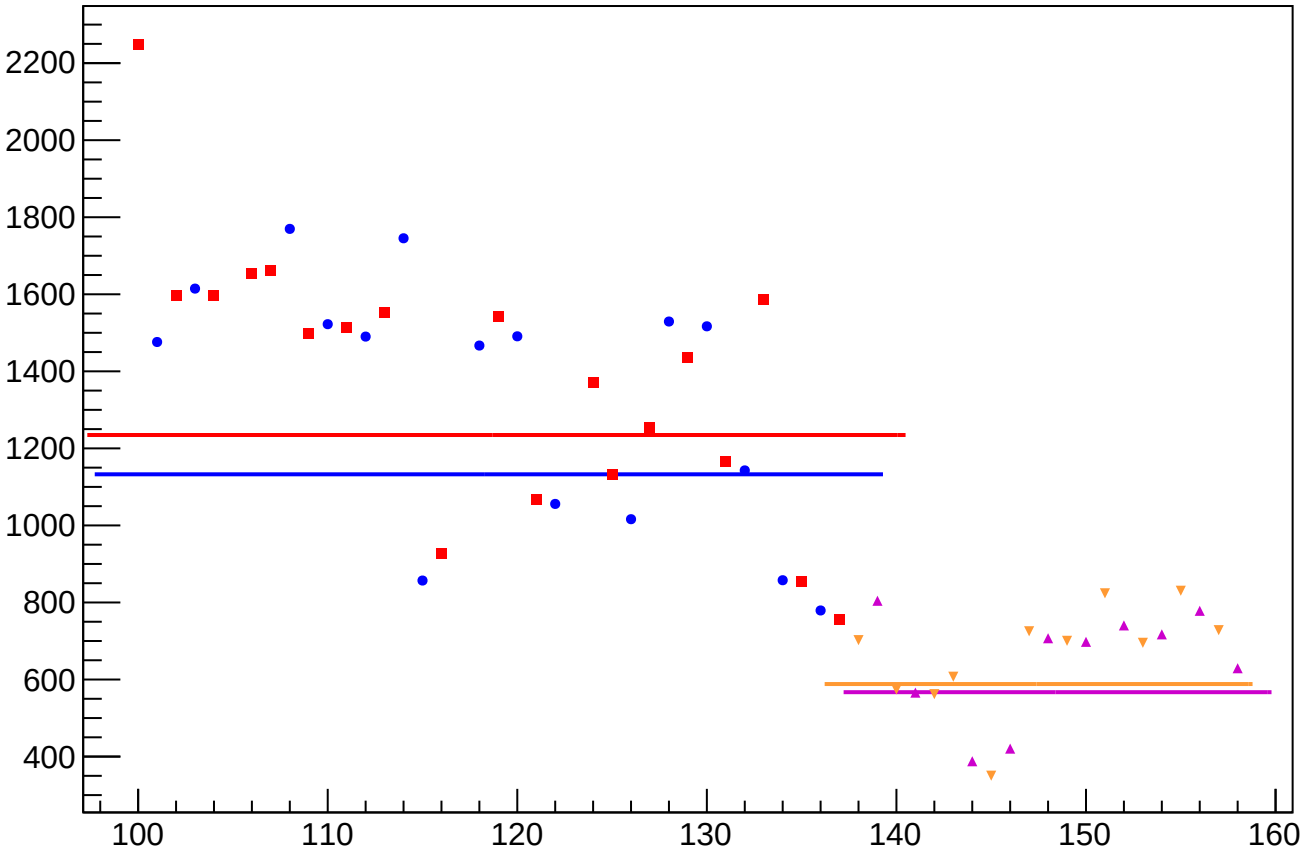
Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: -74.451+/-200.282 χ^2/NDF:9.2/9

+ sign -753.599+/-188.540 χ^2/NDF: 50.7/26

All: -457.134+/-131.743 χ^2/NDF: 78.9/55

- sign -174.276+/-184.162 χ^2/NDF: 23.3/28



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 588.296+/-0.147 χ^2/NDF:1247527.8/10

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

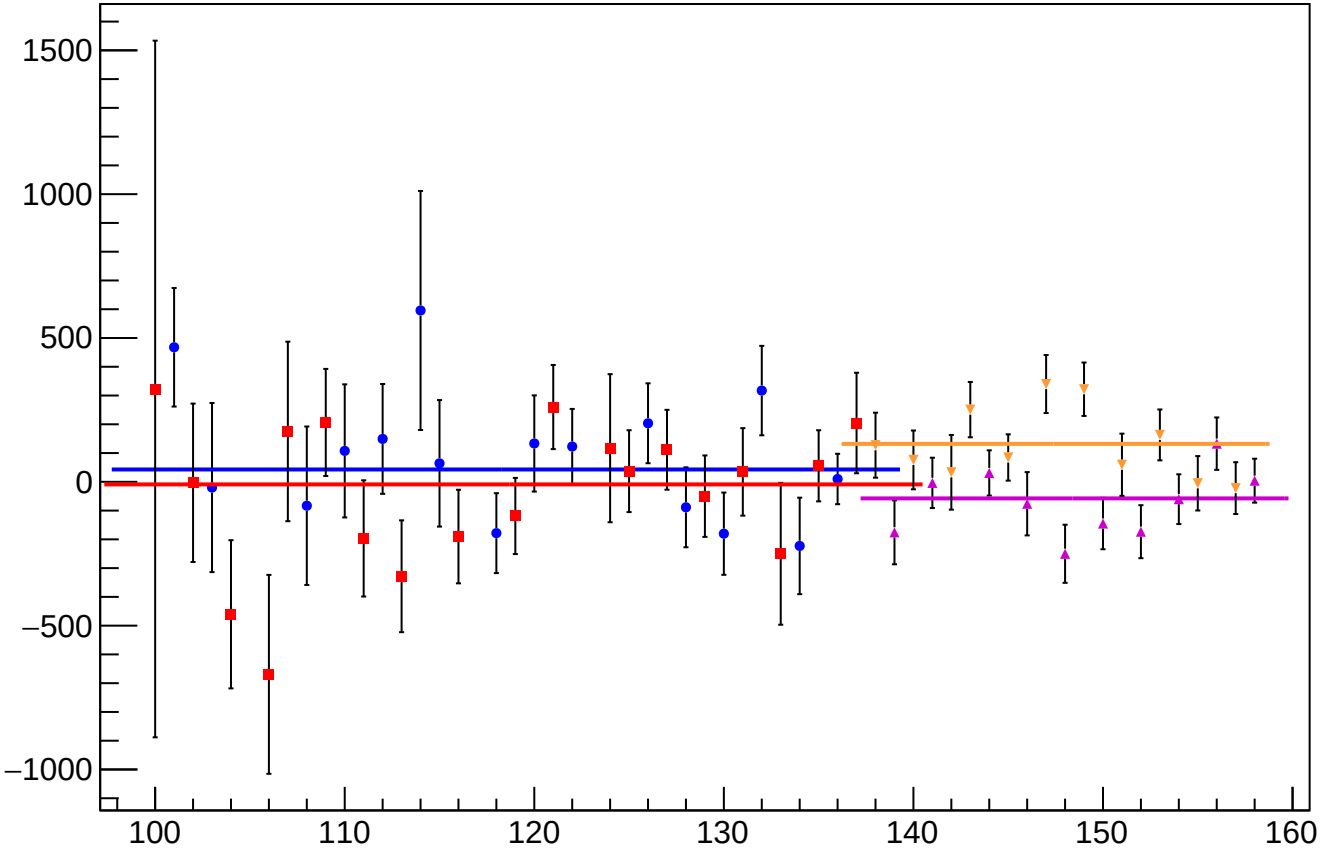
Left In: 567.143+/-0.142 χ^2/NDF:1155803.2/9

+ sign 687.848+/-0.133 χ^2/NDF: 4863322.6/26

All: 678.856+/-0.093 χ^2/NDF: 10337039.1/55

- sign 670.277+/-0.130 χ^2/NDF: 5464827.5/28

dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 131.917+/-29.375 χ^2/NDF:16.8/10

Right Out: -8.989+/-41.060 χ^2/NDF: 21.3/18

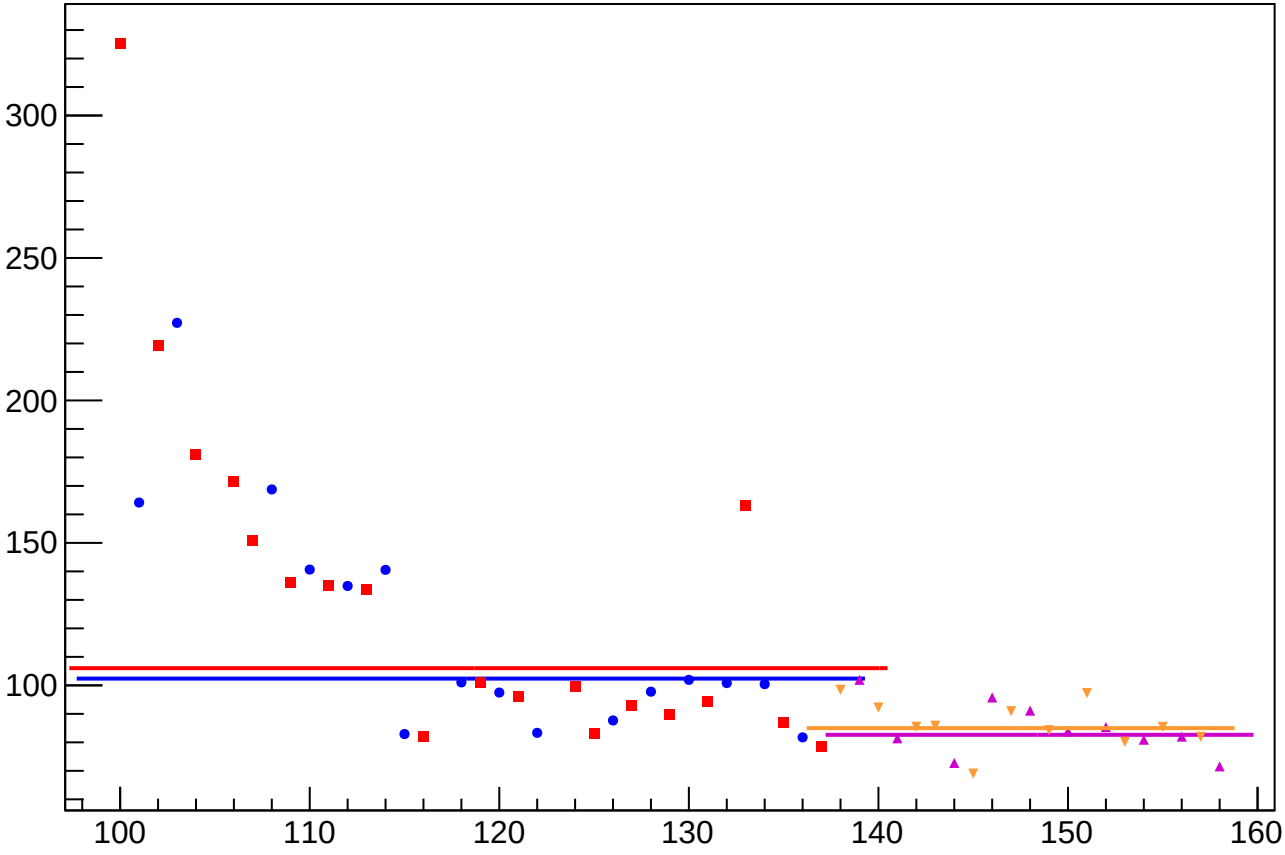
Left In: -57.642+/-28.594 χ^2/NDF:14.0/9

+ sign 100.682+/-23.665 χ^2/NDF: 40.3/26

All: 28.859+/-16.663 χ^2/NDF: 94.9/55

- sign -41.752+/-23.465 χ^2/NDF: 36.3/28

dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 84.995+/-0.021 χ^2/NDF:158388.9/10

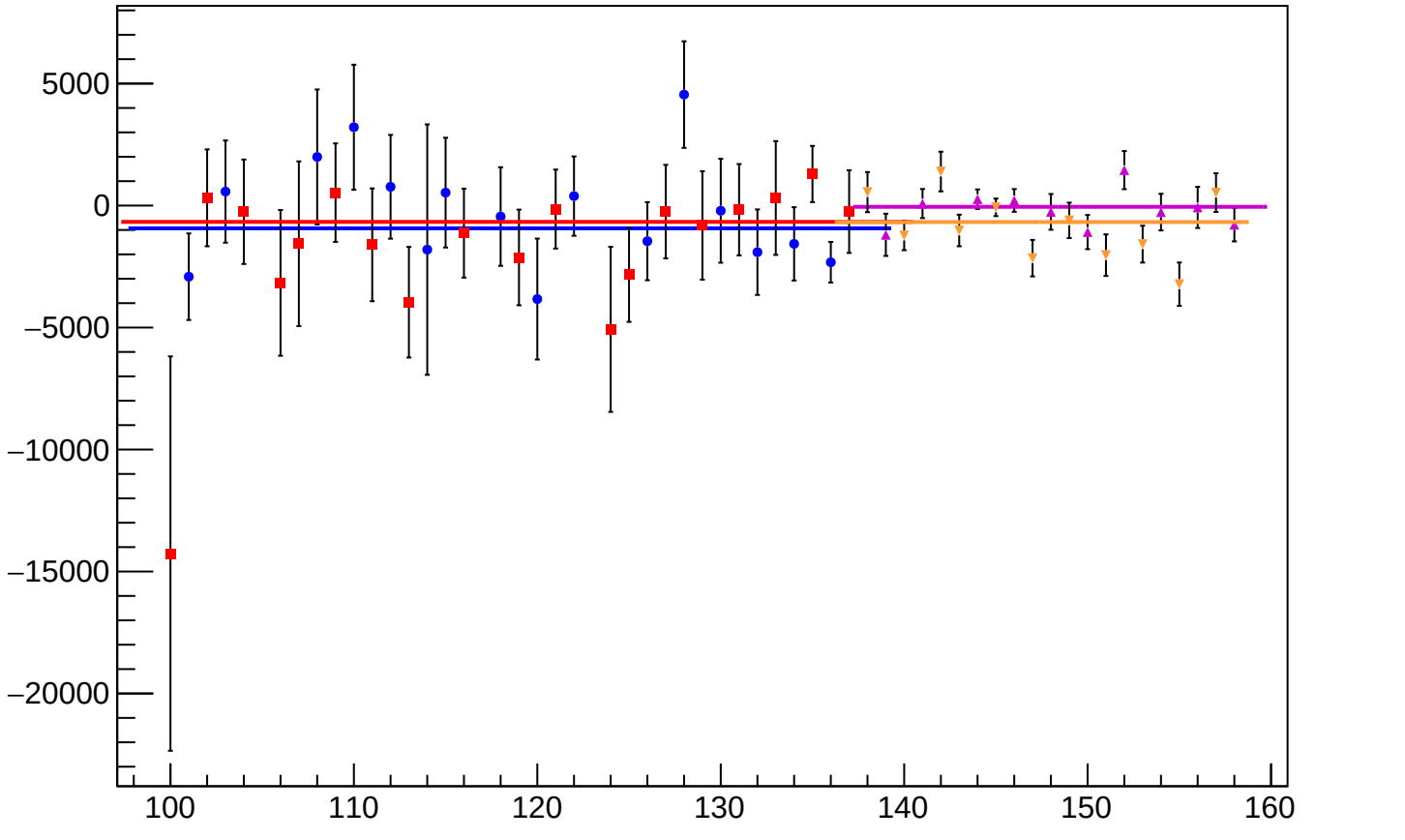
Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 82.642+/-0.020 χ^2/NDF:179789.8/9

+ sign 91.095+/-0.017 χ^2/NDF: 1386517.2/26

All: 90.685+/-0.012 χ^2/NDF: 3195849.1/55

- sign 90.281+/-0.017 χ^2/NDF: 1808138.8/28



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -675.311+/-197.812 χ^2/NDF:31.1/10

Right Out: -668.521+/-463.213 χ^2/NDF: 13.5/18

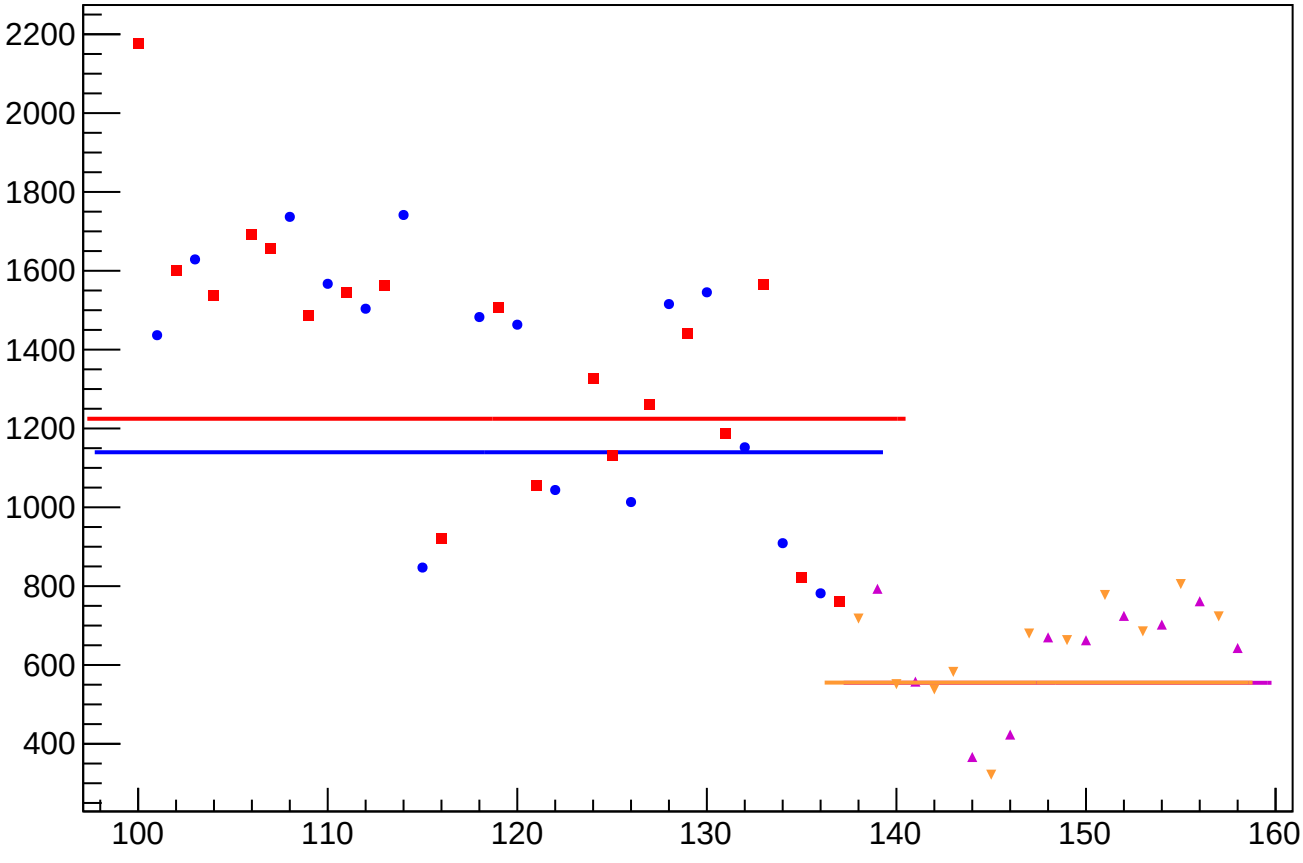
Left In: -51.376+/-196.529 χ^2/NDF:10.0/9

+ sign -718.091+/-180.605 χ^2/NDF: 49.8/26

All: -432.304+/-127.818 χ^2/NDF: 79.8/55

- sign -145.520+/-180.919 χ^2/NDF: 24.9/28

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 555.357+/-0.140 χ^2/NDF:1471627.4/10

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

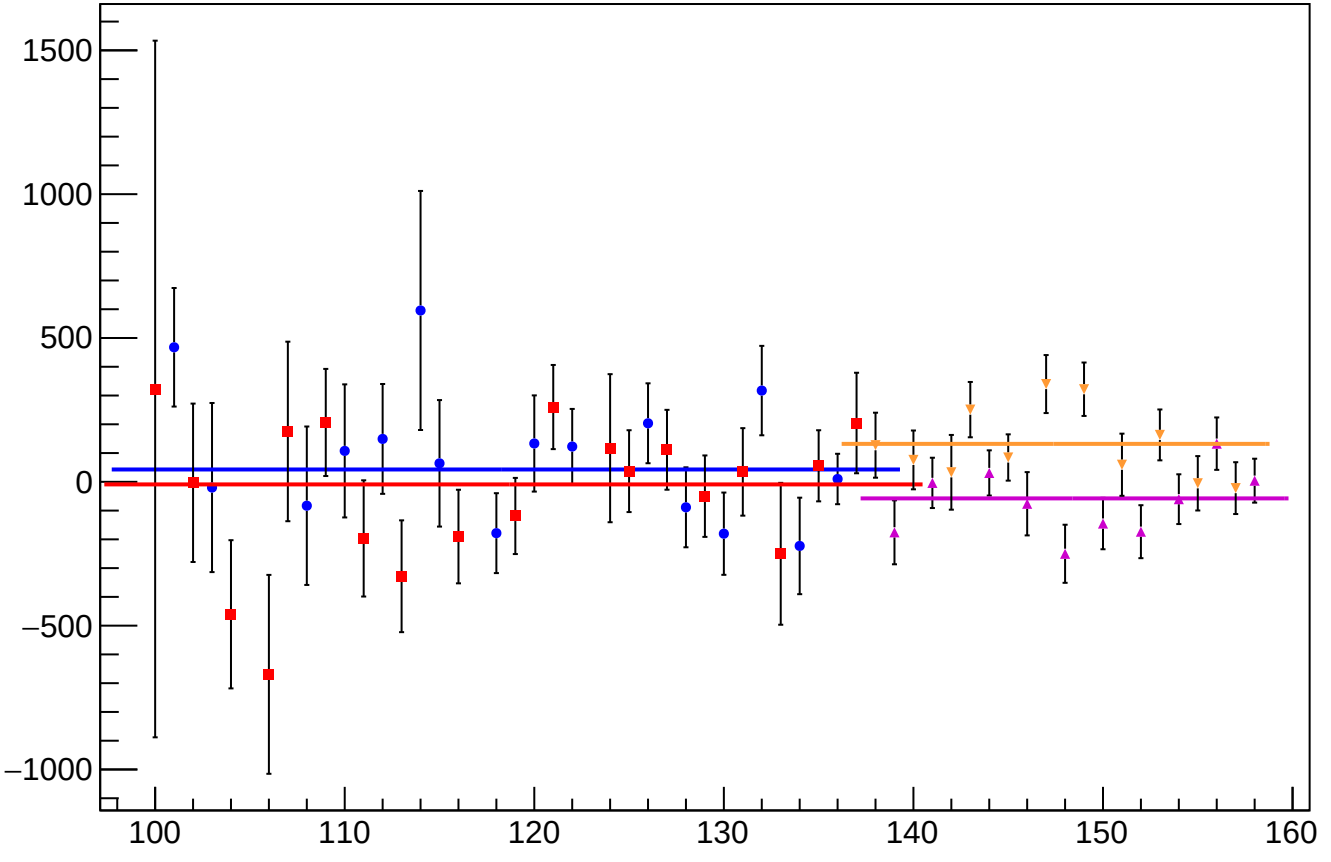
Left In: 554.813+/-0.139 χ^2/NDF:1177788.1/9

+ sign 652.592+/-0.128 χ^2/NDF: 5468970.5/26

All: 654.789+/-0.090 χ^2/NDF: 11113832.9/55

- sign 656.994+/-0.128 χ^2/NDF: 5644269.7/28

eigen_dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 131.917+/-29.375 χ^2/NDF:16.8/10

Right Out: -8.986+/-41.060 χ^2/NDF: 21.3/18

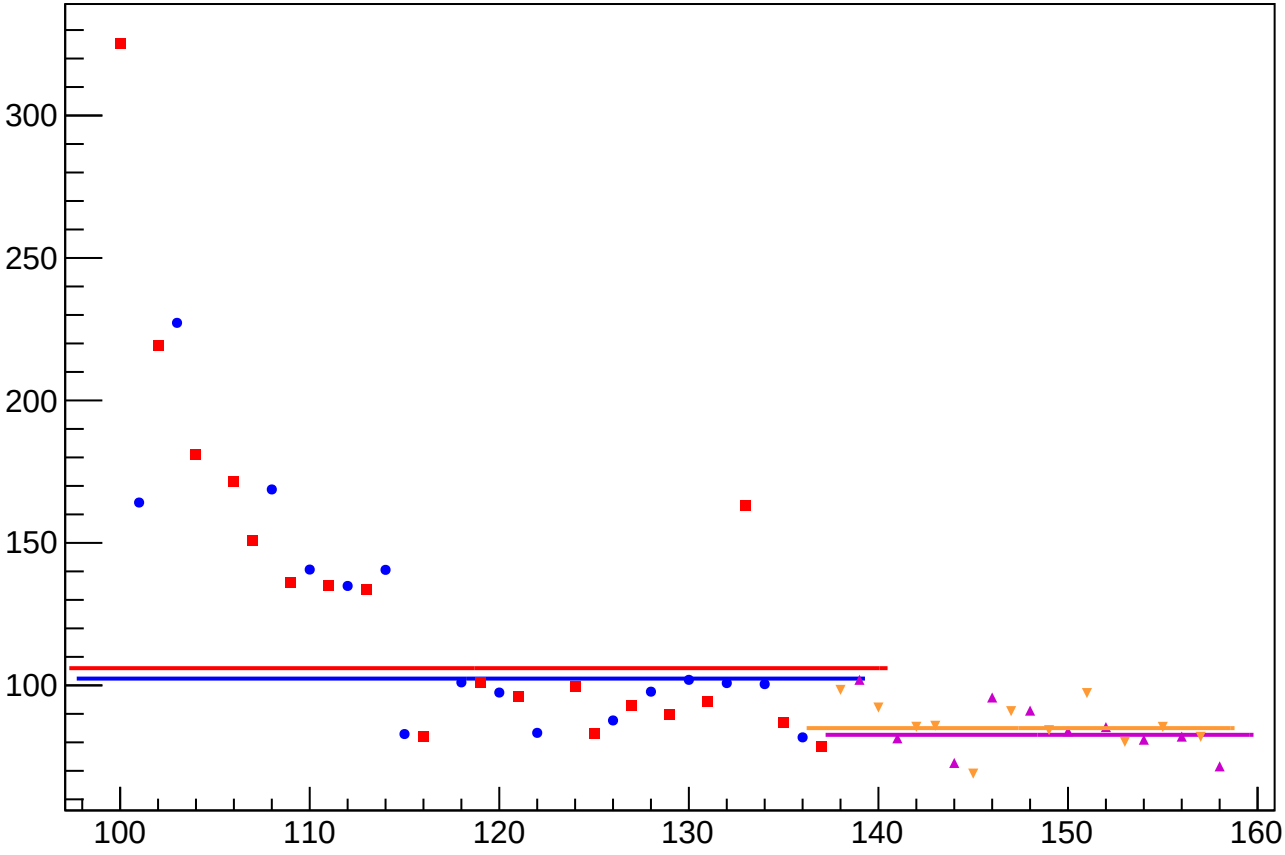
Left In: -57.641+/-28.594 χ^2/NDF:14.0/9

+ sign 100.682+/-23.665 χ^2/NDF: 40.3/26

All: 28.860+/-16.663 χ^2/NDF: 94.9/55

- sign -41.750+/-23.465 χ^2/NDF: 36.3/28

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 84.995+/-0.021 χ^2/NDF:158381.4/10

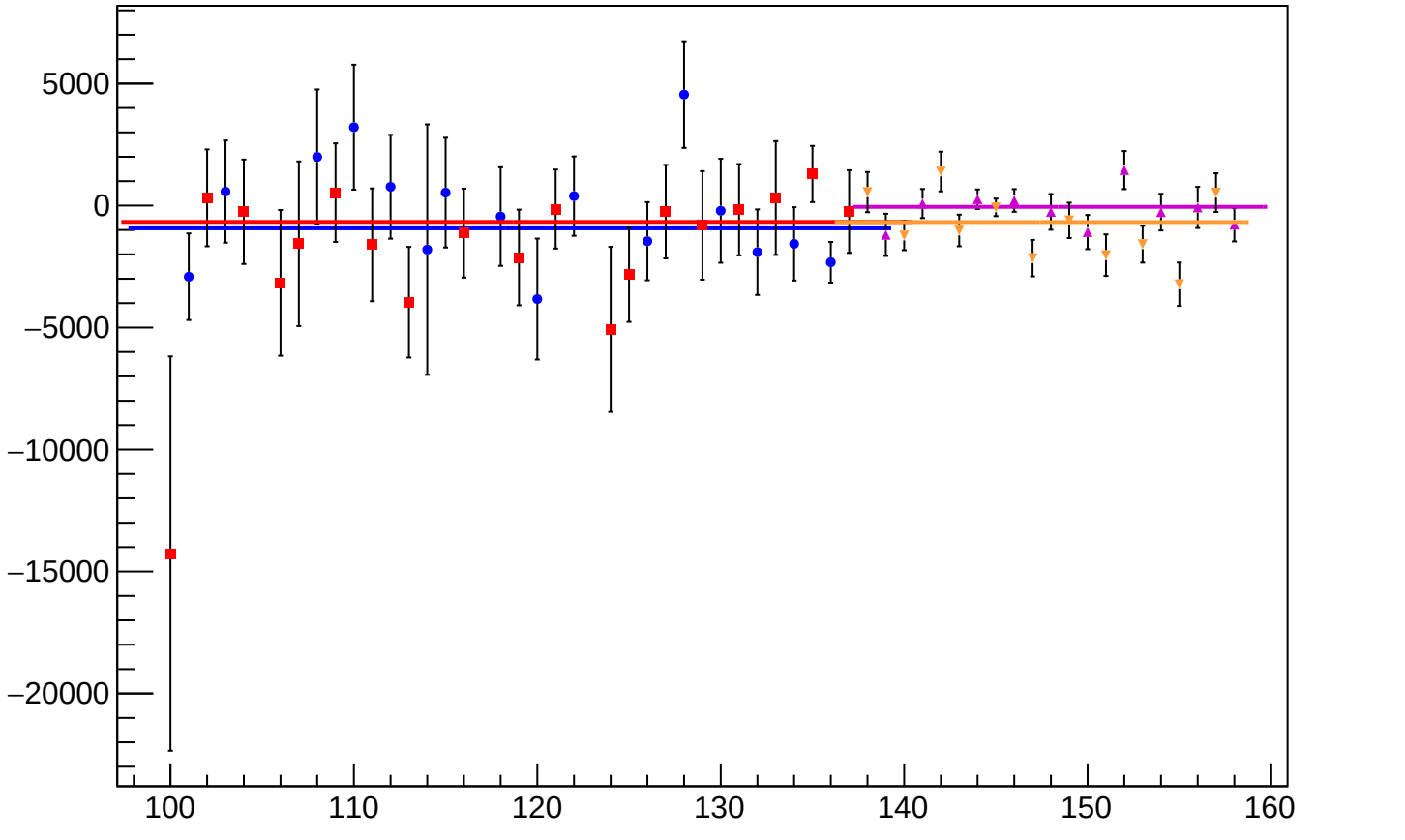
Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 82.643+/-0.020 χ^2/NDF:179793.2/9

+ sign 91.096+/-0.017 χ^2/NDF: 1386486.5/26

All: 90.685+/-0.012 χ^2/NDF: 3195811.2/55

- sign 90.282+/-0.017 χ^2/NDF: 1808131.4/28



Right In: -932.377+/-442.724 χ^2/NDF: 18.5/15

Left Out: -675.311+/-197.812 χ^2/NDF:31.1/10

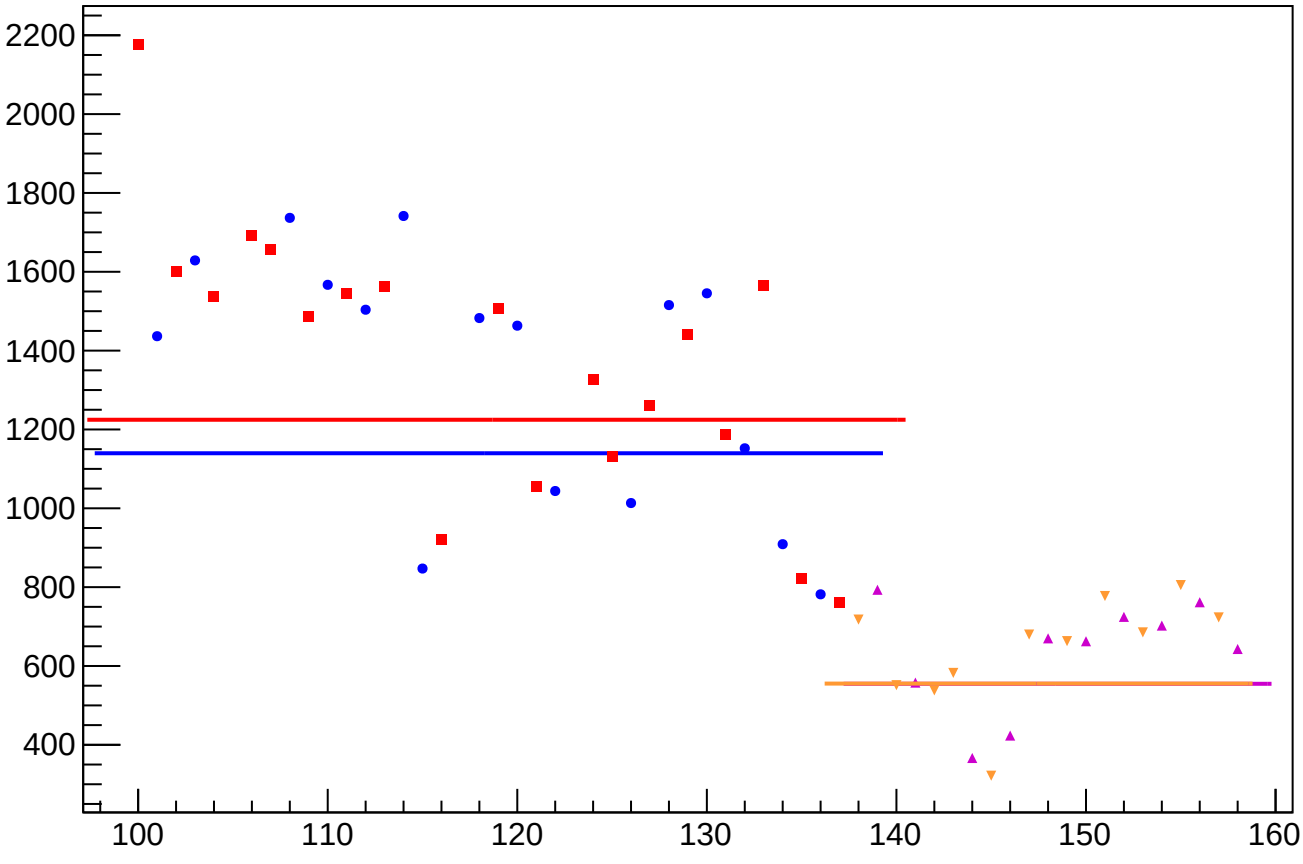
Right Out: -668.522+/-463.212 χ^2/NDF: 13.5/18

Left In: -51.376+/-196.529 χ^2/NDF:10.0/9

+ sign -718.090+/-180.604 χ^2/NDF: 49.8/26

All: -432.303+/-127.817 χ^2/NDF: 79.8/55

- sign -145.520+/-180.919 χ^2/NDF: 24.9/28



Right In: 1139.656+/-0.313 χ^2/NDF: 1093397.5/15

Left Out: 555.355+/-0.140 χ^2/NDF:1471646.5/10

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

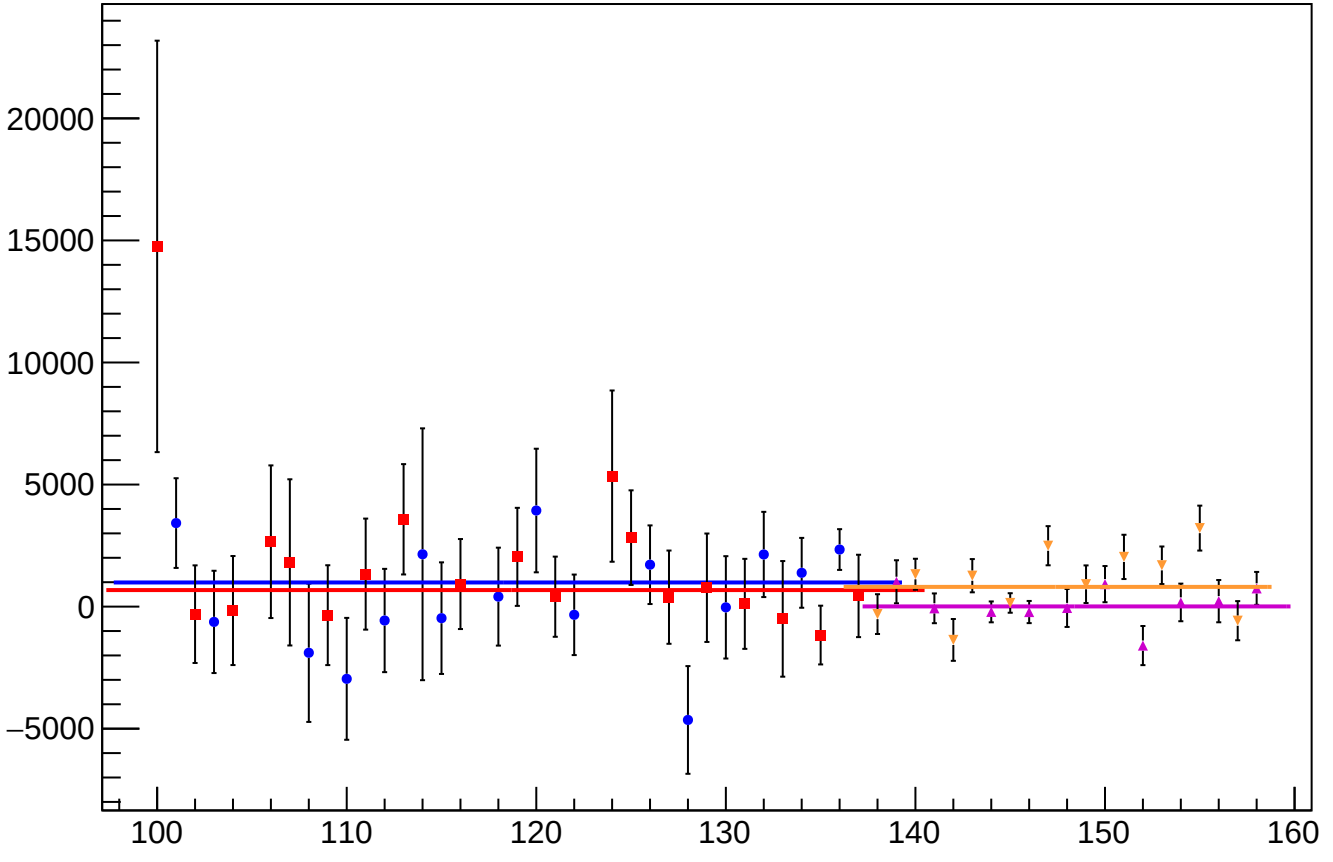
Left In: 554.812+/-0.139 χ^2/NDF:1177793.8/9

+ sign 652.591+/-0.128 χ^2/NDF: 5468987.1/26

All: 654.788+/-0.090 χ^2/NDF: 11113846.7/55

- sign 656.993+/-0.128 χ^2/NDF: 5644266.7/28

asym_sam_3726_avg_mean vs Slug



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 808.200+/-210.154 χ^2/NDF:29.6/10

Right Out: 677.628+/-469.652 χ^2/NDF: 11.9/18

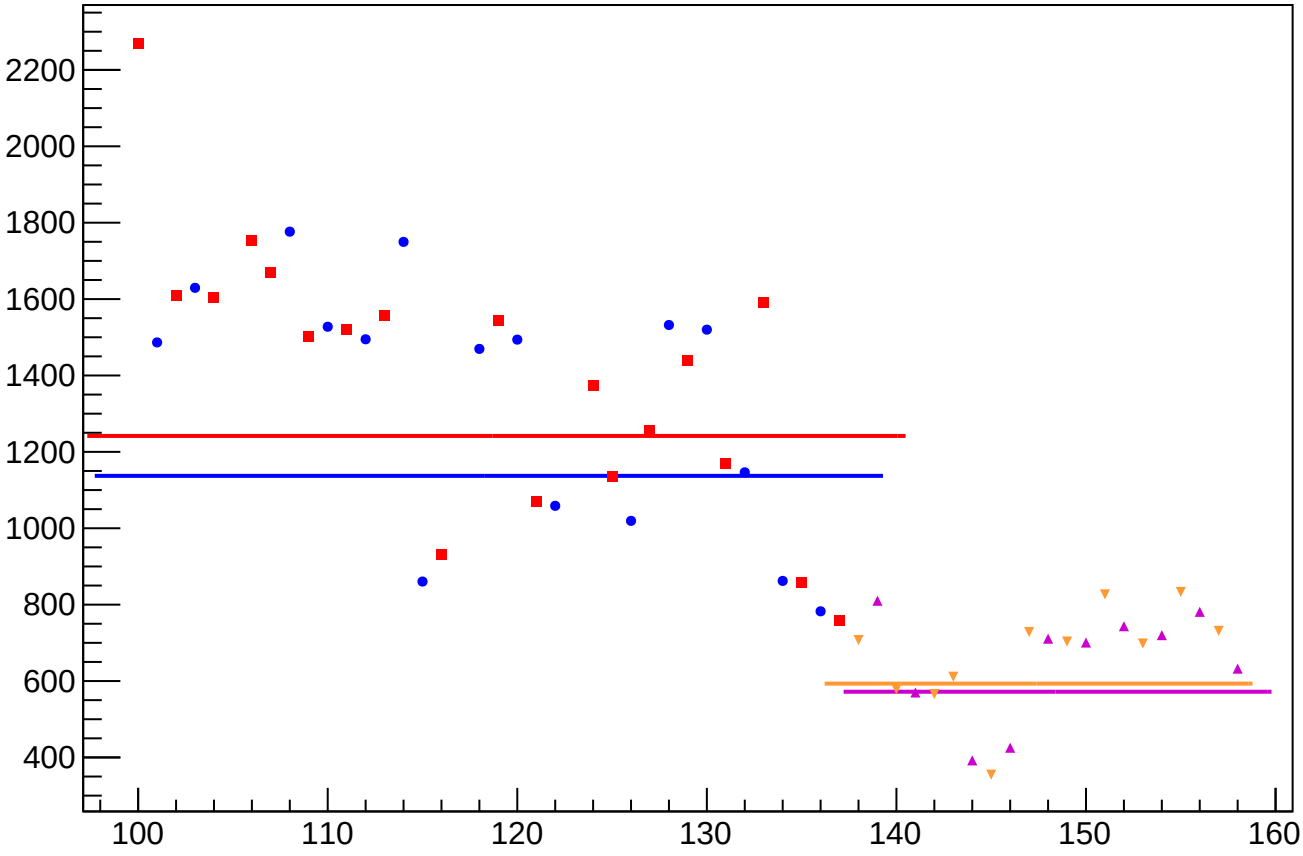
Left In: 7.951+/-201.843 χ^2/NDF:8.7/9

+ sign 841.518+/-189.844 χ^2/NDF: 48.7/26

All: 468.388+/-132.656 χ^2/NDF: 78.6/55

- sign 112.359+/-185.442 χ^2/NDF: 22.3/28

asym_sam_3726_avg_rms vs Slug



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 593.295+/-0.149 χ^2/NDF:1217536.8/10

Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

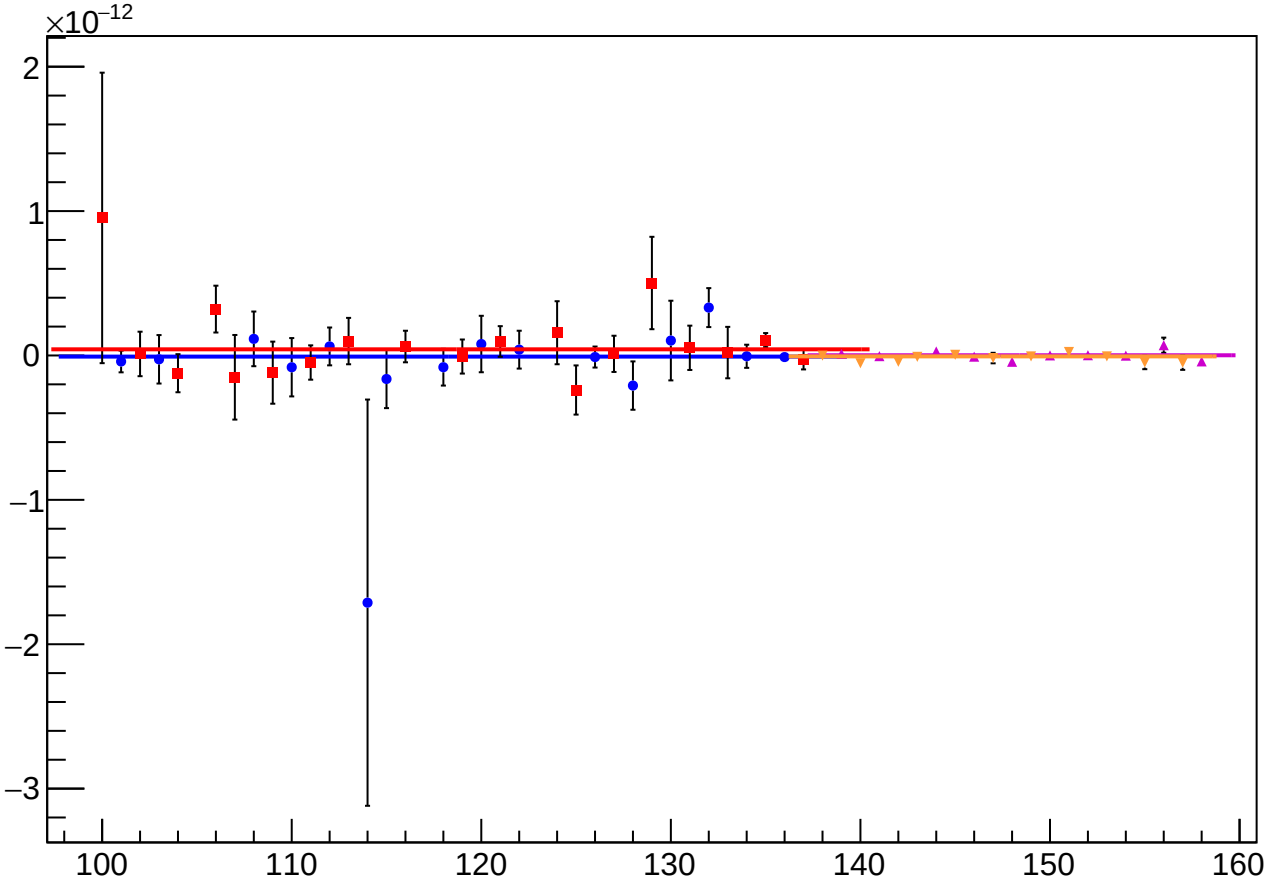
Left In: 572.027+/-0.143 χ^2/NDF:1130538.8/9

+ sign 693.351+/-0.134 χ^2/NDF: 4805750.2/26

All: 684.695+/-0.094 χ^2/NDF: 10276291.4/55

- sign 676.435+/-0.131 χ^2/NDF: 5462416.1/28

asym_sam_3726_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.3/10

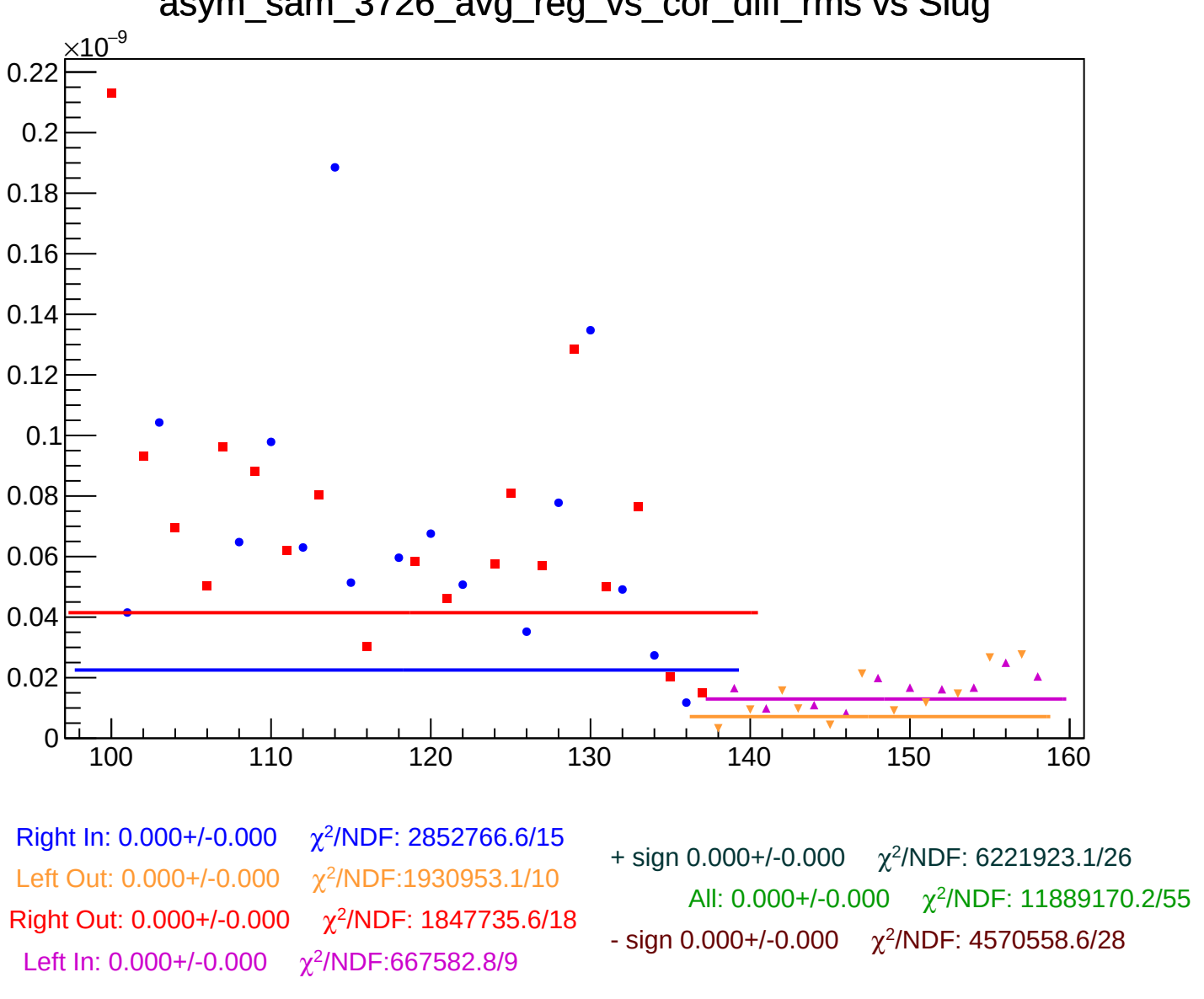
Right Out: 0.000+/-0.000 χ^2/NDF: 15.5/18

Left In: 0.000+/-0.000 χ^2/NDF:8.2/9

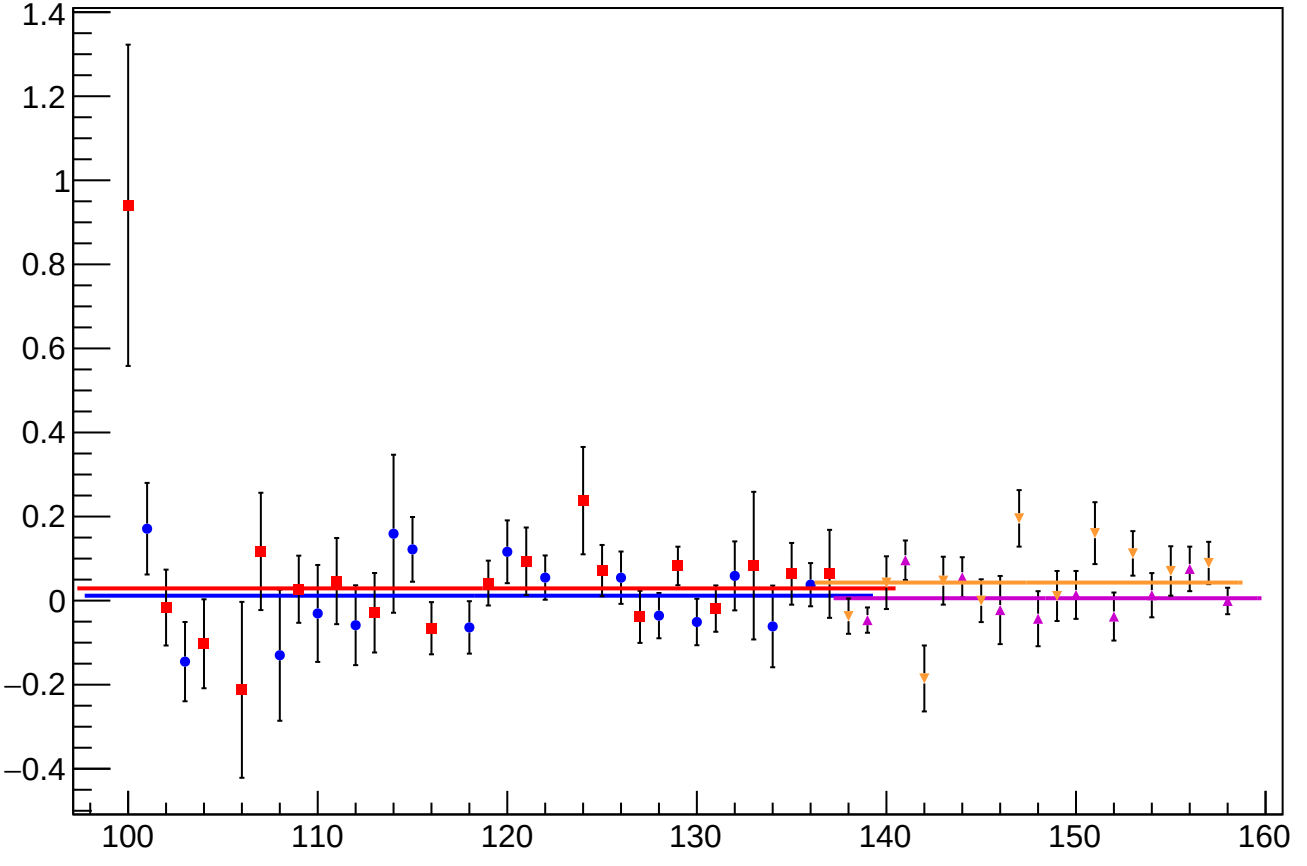
+ sign -0.000+/-0.000 χ^2/NDF: 25.0/26

All: -0.000+/-0.000 χ^2/NDF: 52.4/55

- sign 0.000+/-0.000 χ^2/NDF: 25.9/28


asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2852766.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1930953.1/10
Right Out: 0.000+/-0.000 χ²/NDF: 1847735.6/18
Left In: 0.000+/-0.000 χ²/NDF:667582.8/9
+ sign 0.000+/-0.000 χ²/NDF: 6221923.1/26
All: 0.000+/-0.000 χ²/NDF: 11889170.2/55
- sign 0.000+/-0.000 χ²/NDF: 4570558.6/28

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.043+/-0.017 χ^2/NDF:23.6/10

Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

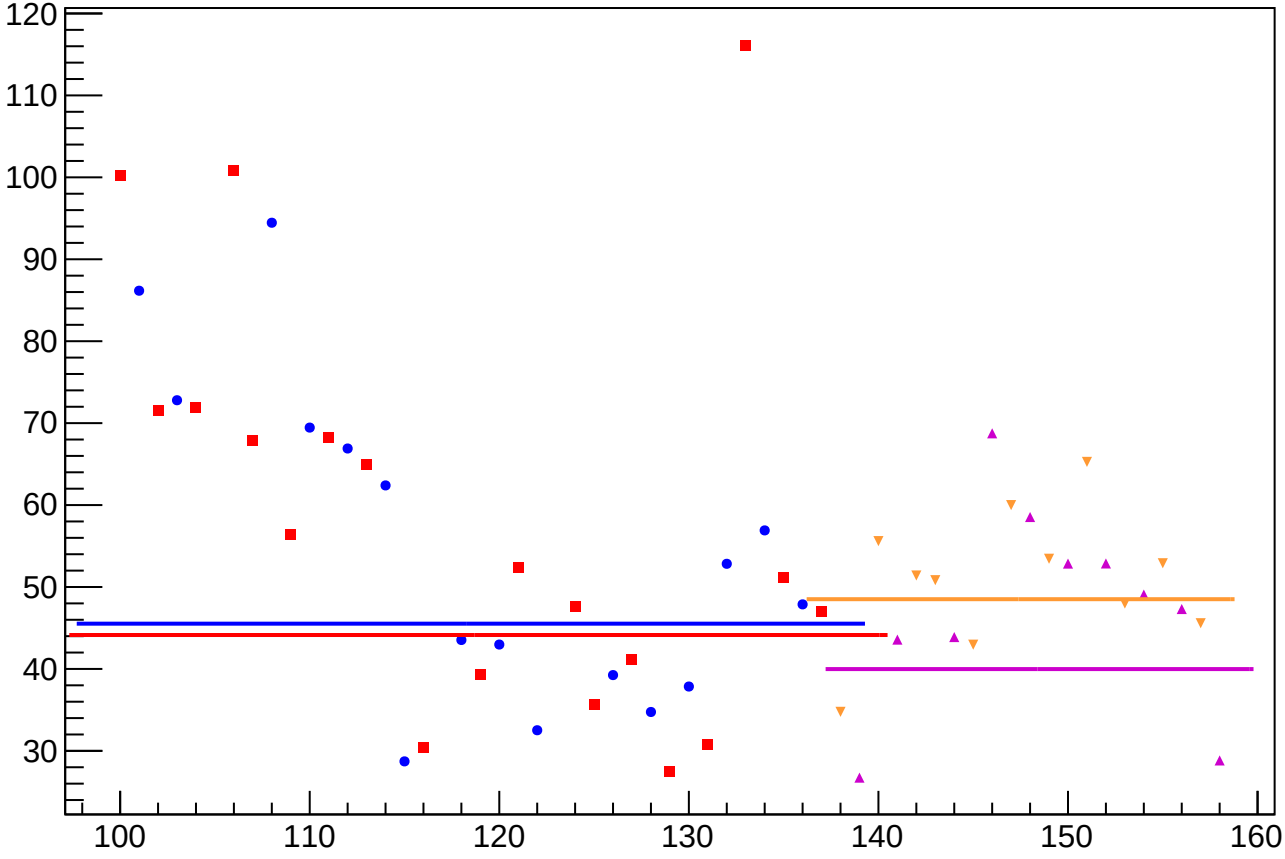
Left In: 0.006+/-0.015 χ^2/NDF:10.9/9

+ sign 0.028+/-0.013 χ^2/NDF: 42.0/26

All: 0.021+/-0.008 χ^2/NDF: 74.1/55

- sign 0.015+/-0.011 χ^2/NDF: 31.4/28

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 48.513+/-0.012 χ^2/NDF:463206.2/10

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

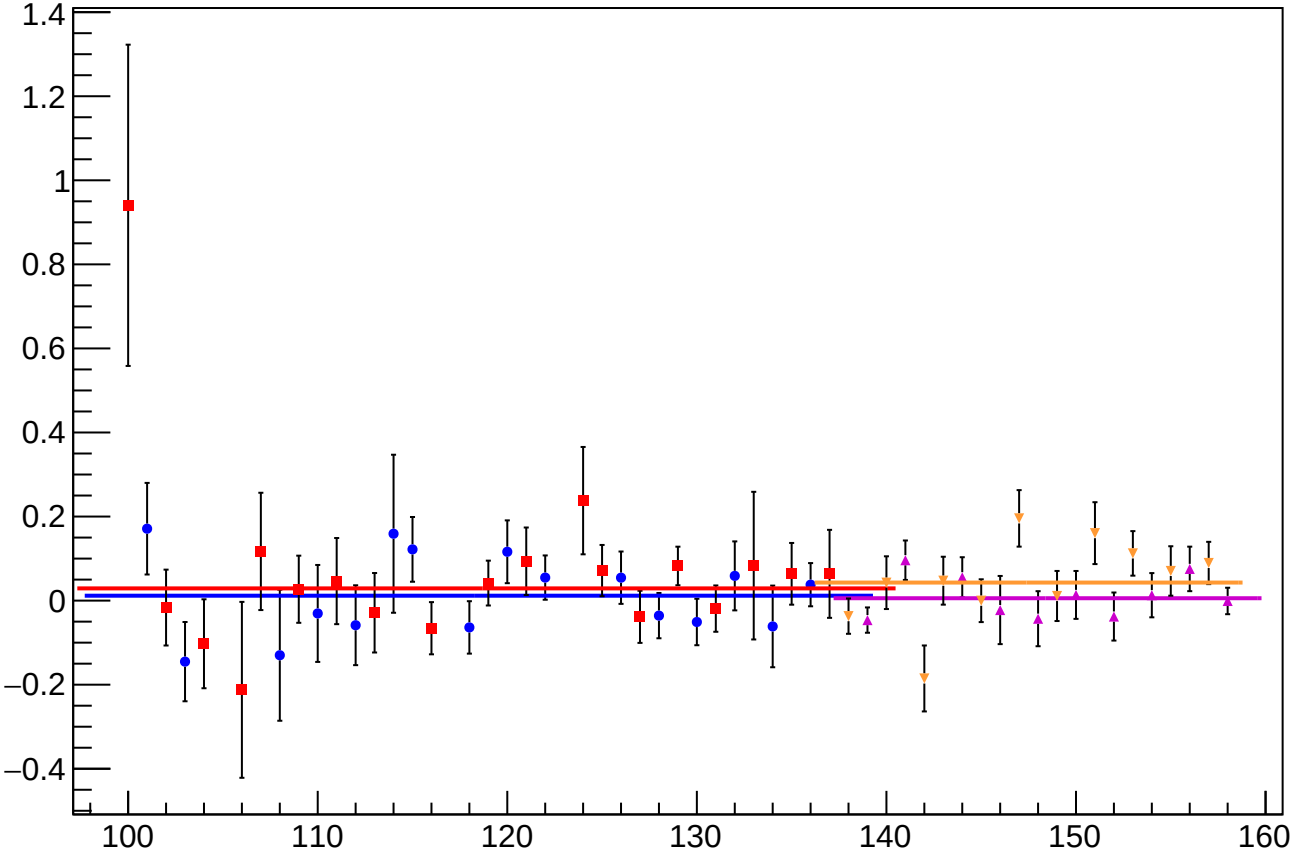
Left In: 39.983+/-0.010 χ^2/NDF:1377718.5/9

+ sign 47.118+/-0.009 χ^2/NDF: 1745548.2/26

All: 44.097+/-0.006 χ^2/NDF: 5143132.6/55

- sign 41.639+/-0.008 χ^2/NDF: 3186209.6/28

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.043+/-0.017 χ^2/NDF:23.6/10

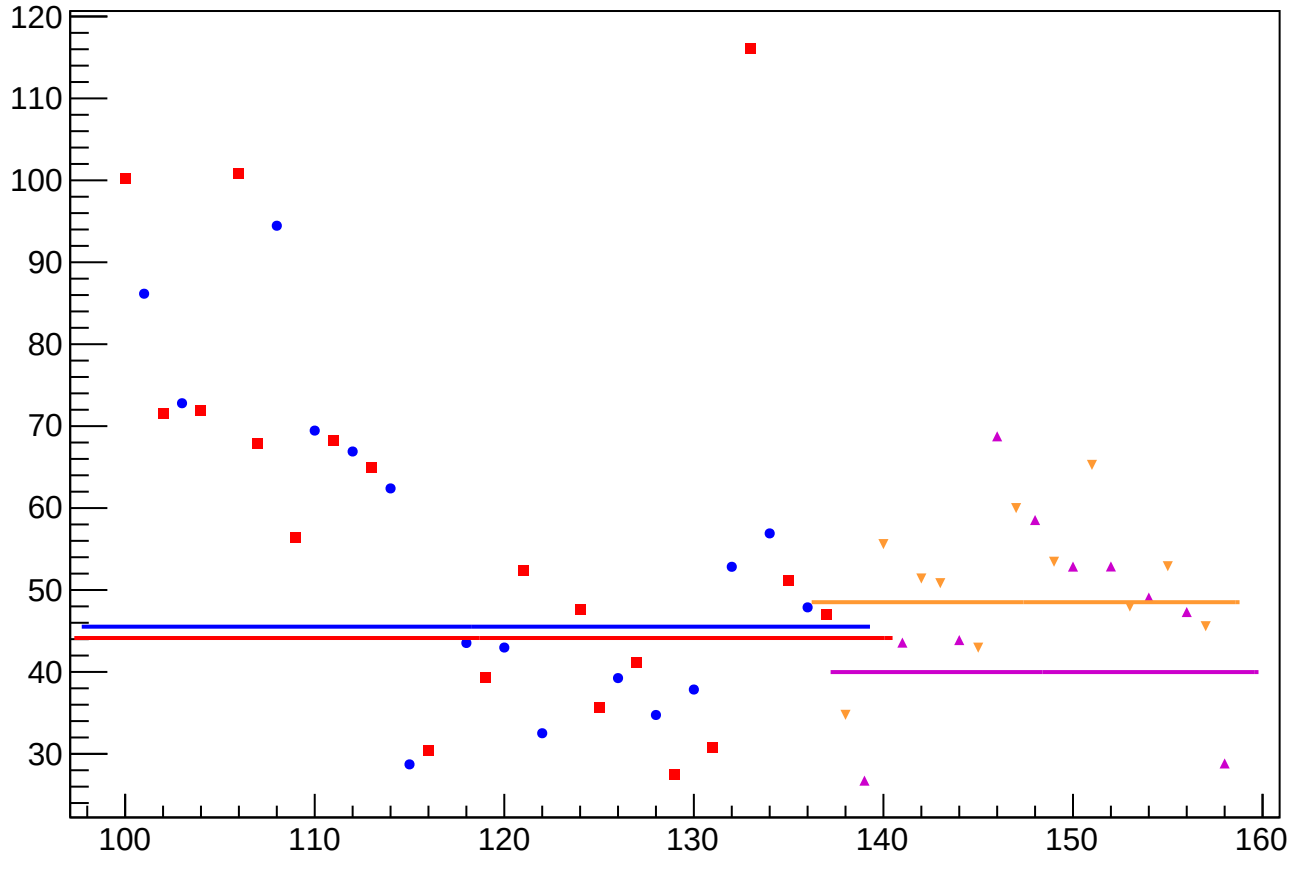
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.006+/-0.015 χ^2/NDF:10.9/9

+ sign 0.028+/-0.013 χ^2/NDF: 42.0/26

All: 0.021+/-0.008 χ^2/NDF: 74.1/55

- sign 0.015+/-0.011 χ^2/NDF: 31.4/28



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 48.513+/-0.012 χ^2/NDF:463206.2/10

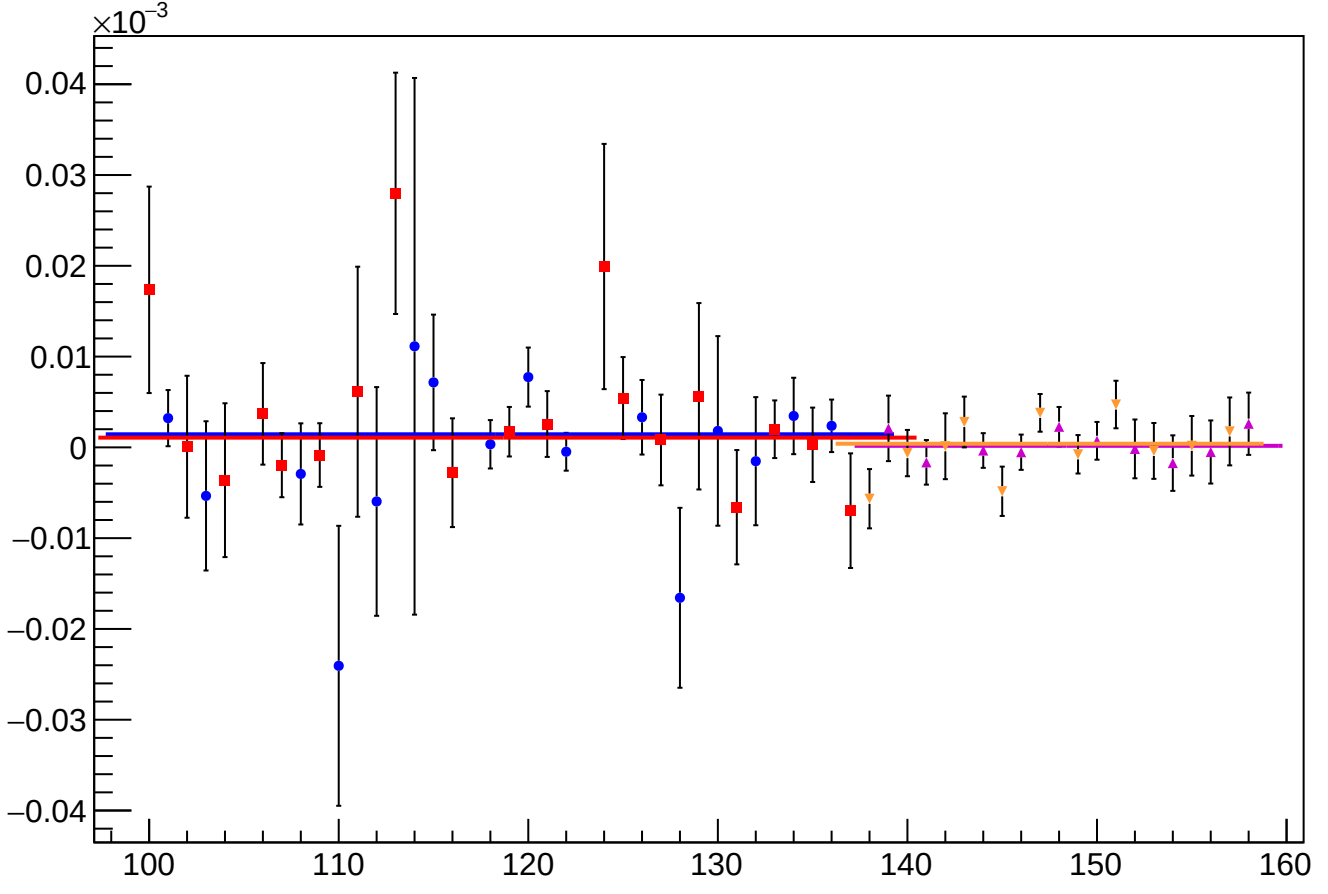
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 39.983+/-0.010 χ^2/NDF:1377718.5/9

+ sign 47.118+/-0.009 χ^2/NDF: 1745548.2/26

All: 44.097+/-0.006 χ^2/NDF: 5143132.6/55

- sign 41.639+/-0.008 χ^2/NDF: 3186209.6/28



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.0/10

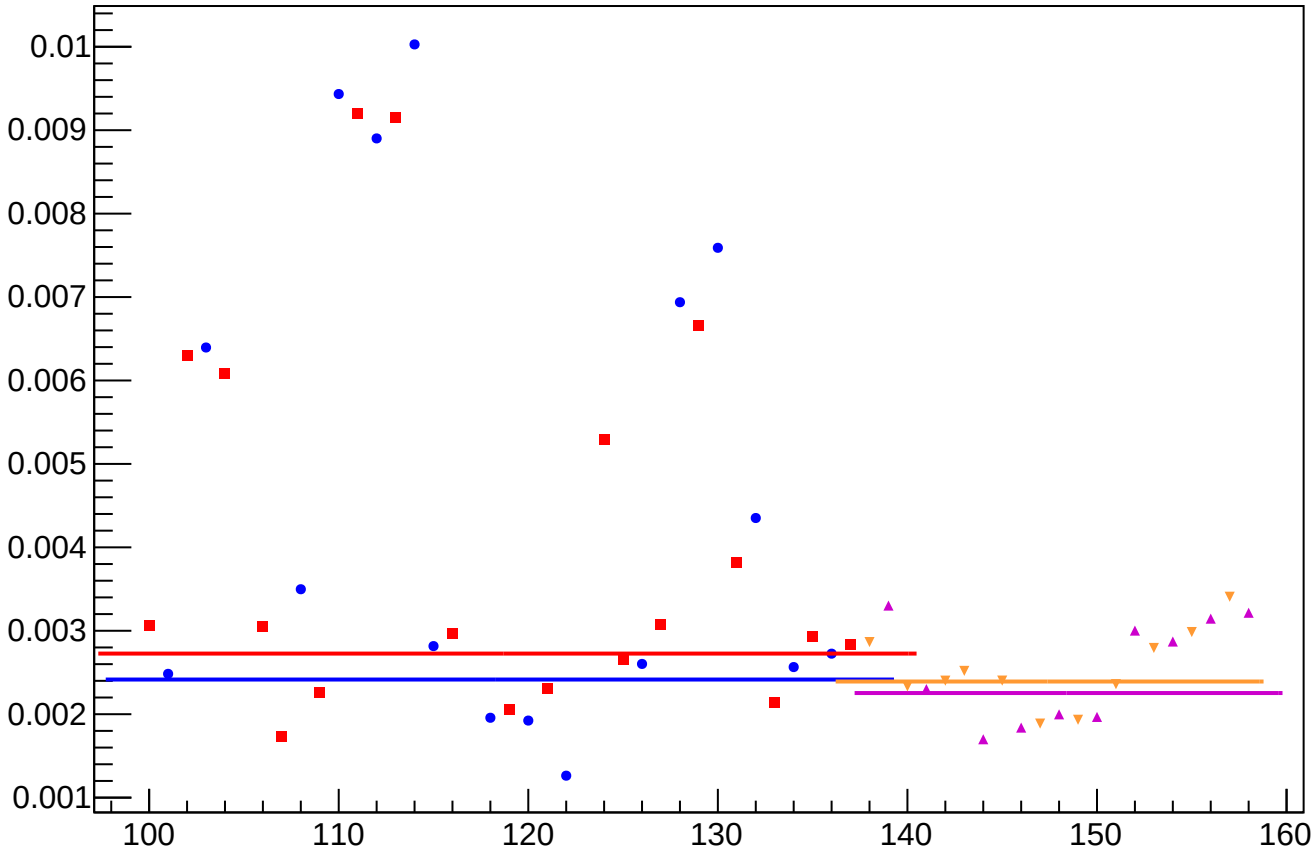
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:3.0/9

+ sign 0.000+/-0.000 χ^2/NDF: 28.8/26

All: 0.000+/-0.000 χ^2/NDF: 47.1/55

- sign 0.000+/-0.000 χ^2/NDF: 18.2/28



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.002+/-0.000 χ^2/NDF:506453.8/10

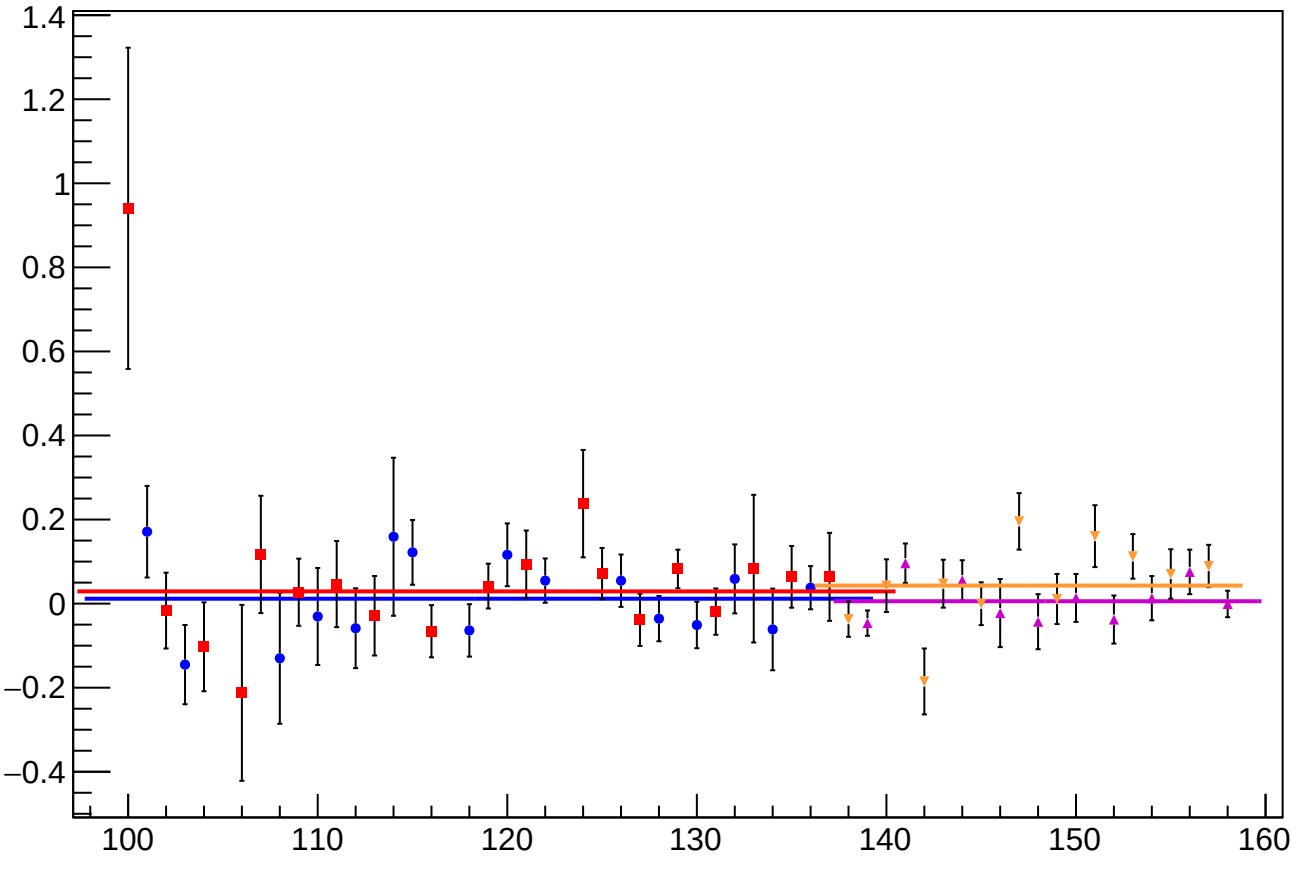
Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

Left In: 0.002+/-0.000 χ^2/NDF:971550.8/9

+ sign 0.002+/-0.000 χ^2/NDF: 3939199.2/26

All: 0.002+/-0.000 χ^2/NDF: 7653174.9/55

- sign 0.002+/-0.000 χ^2/NDF: 3713735.5/28



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.043+/-0.017 χ^2/NDF:23.6/10

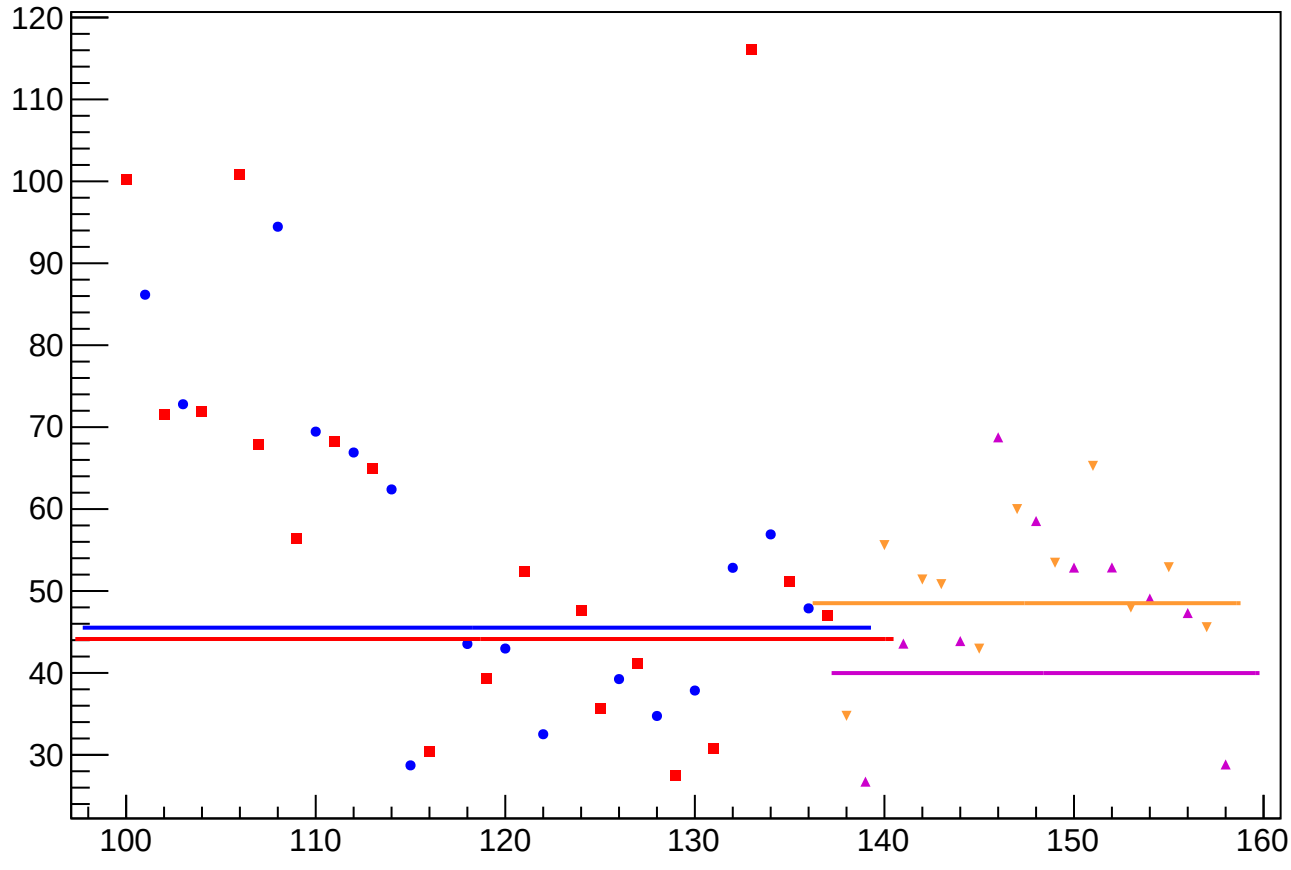
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.006+/-0.015 χ^2/NDF:10.9/9

+ sign 0.028+/-0.013 χ^2/NDF: 42.0/26

All: 0.021+/-0.008 χ^2/NDF: 74.1/55

- sign 0.015+/-0.011 χ^2/NDF: 31.4/28



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 48.513+/-0.012 χ^2/NDF:463229.7/10

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

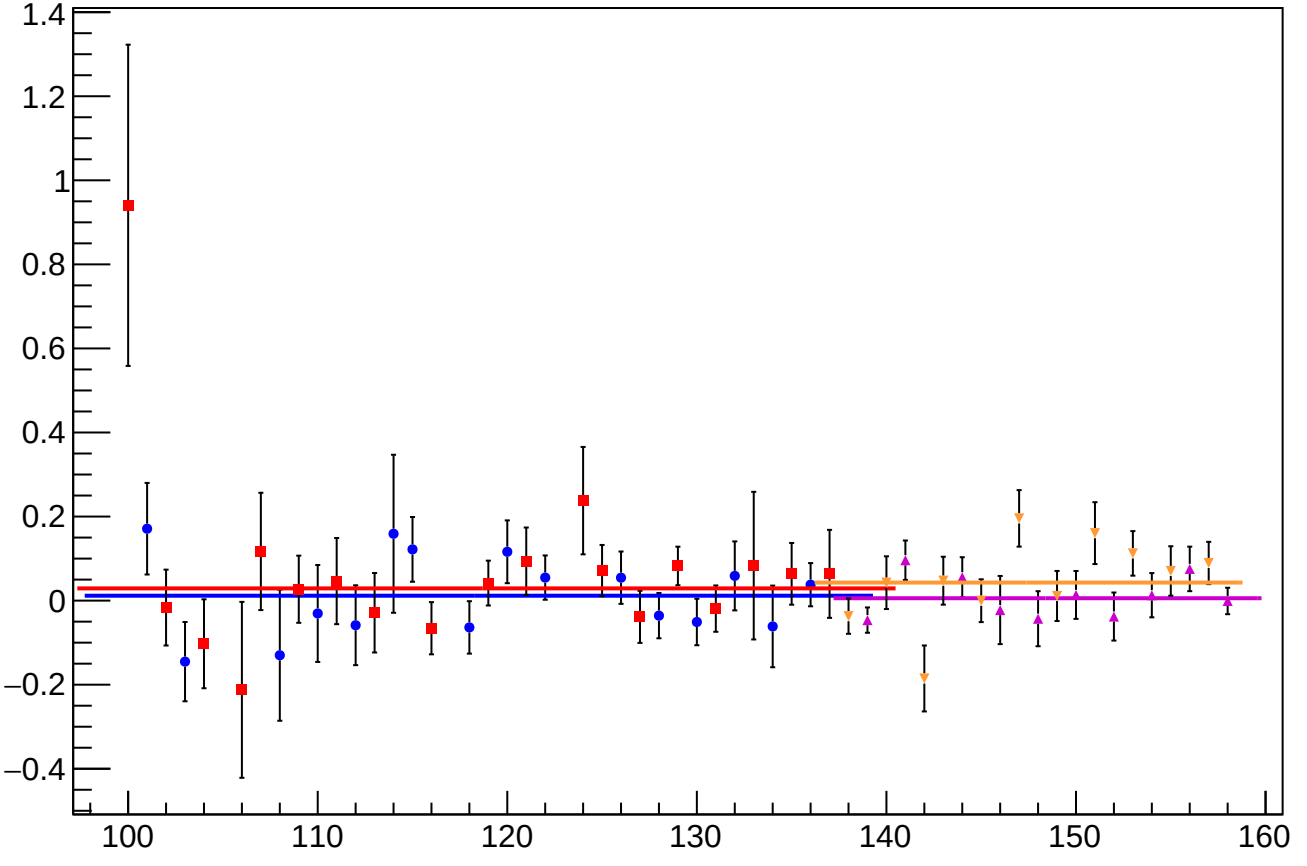
Left In: 39.983+/-0.010 χ^2/NDF:1377774.9/9

+ sign 47.118+/-0.009 χ^2/NDF: 1745534.2/26

All: 44.097+/-0.006 χ^2/NDF: 5143101.6/55

- sign 41.639+/-0.008 χ^2/NDF: 3186194.1/28

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.043+/-0.017 χ^2/NDF:23.6/10

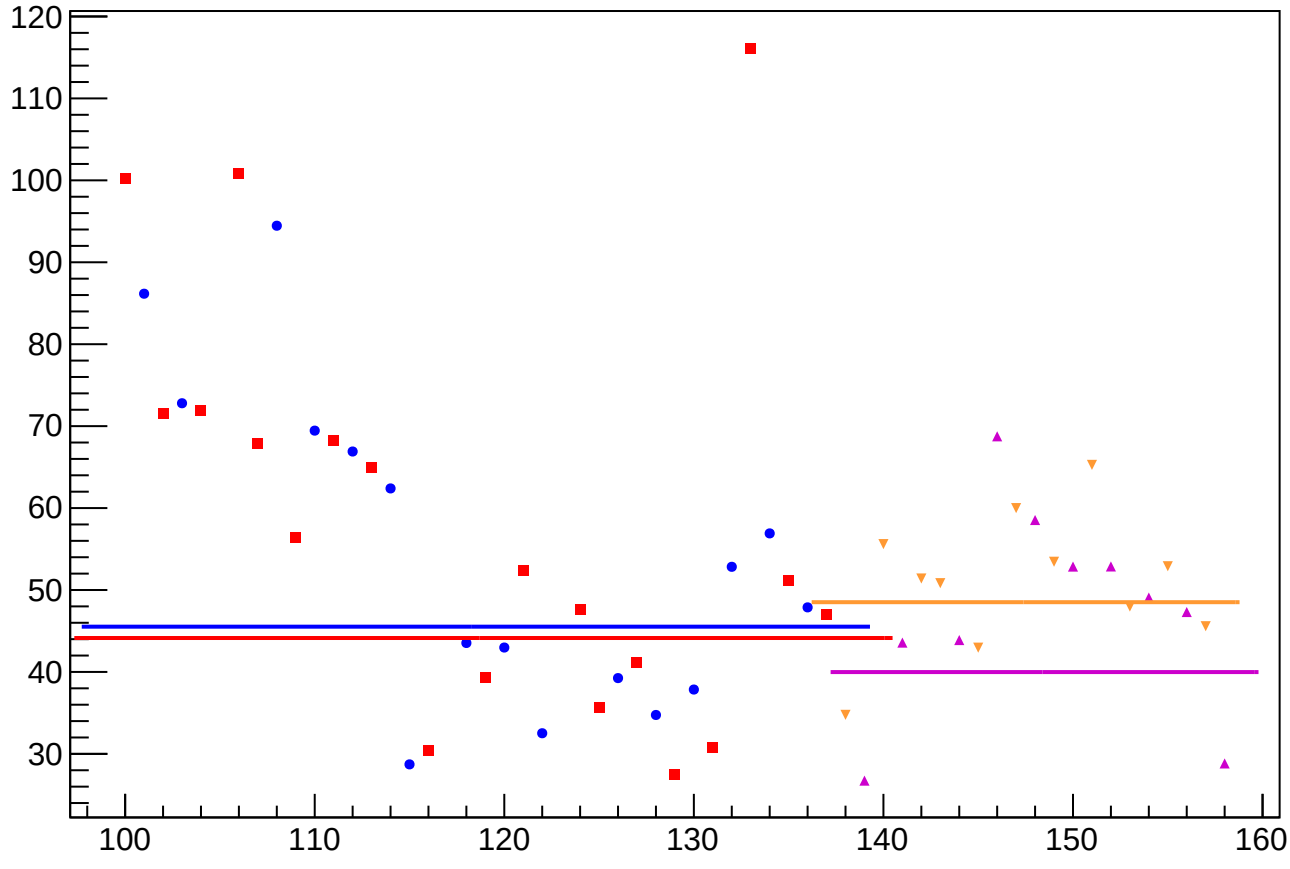
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.006+/-0.015 χ^2/NDF:10.9/9

+ sign 0.028+/-0.013 χ^2/NDF: 42.0/26

All: 0.021+/-0.008 χ^2/NDF: 74.1/55

- sign 0.015+/-0.011 χ^2/NDF: 31.4/28



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 48.513+/-0.012 χ^2/NDF:463229.7/10

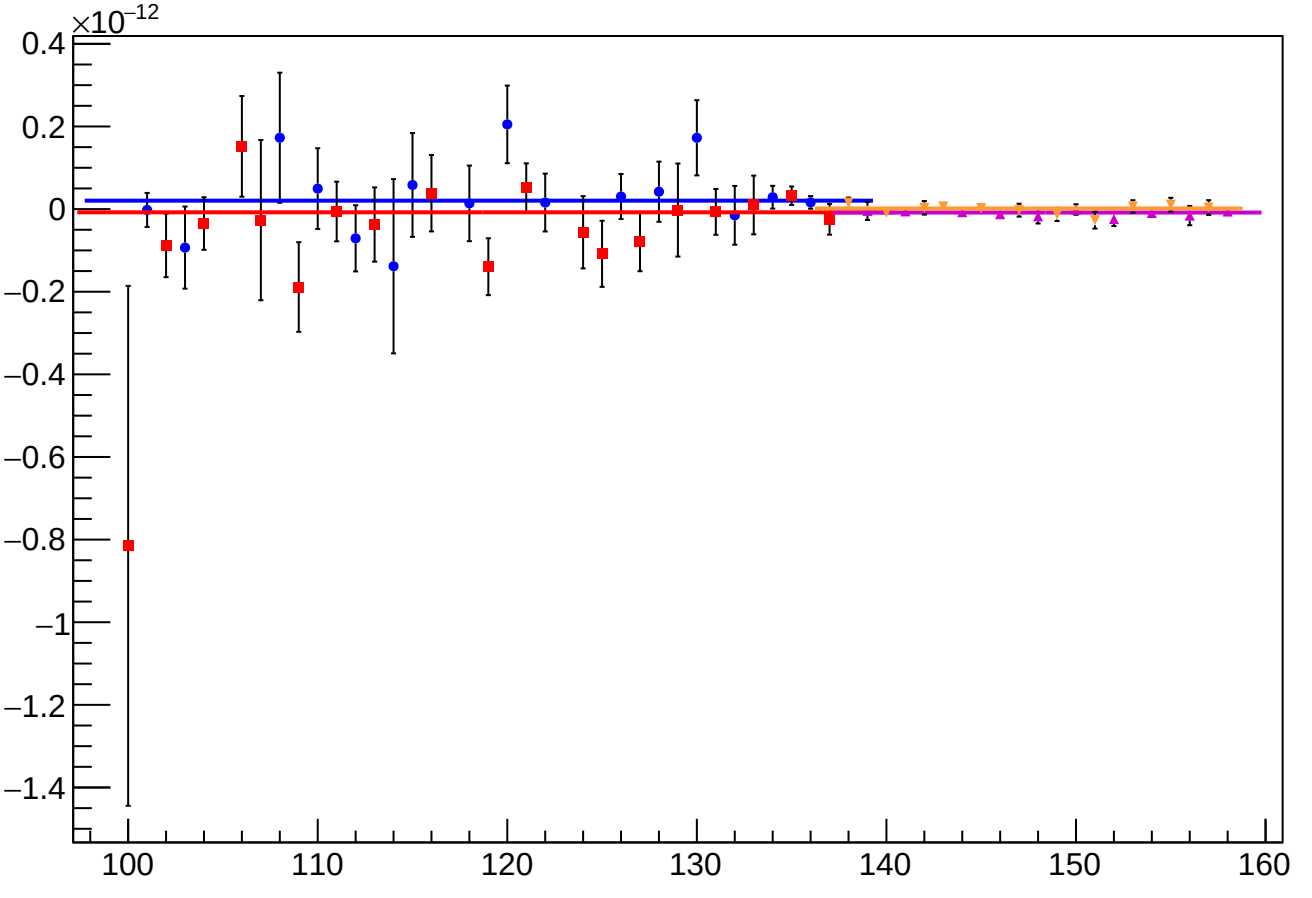
Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 39.983+/-0.010 χ^2/NDF:1377774.9/9

+ sign 47.118+/-0.009 χ^2/NDF: 1745534.2/26

All: 44.097+/-0.006 χ^2/NDF: 5143101.6/55

- sign 41.639+/-0.008 χ^2/NDF: 3186194.1/28



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.6/10

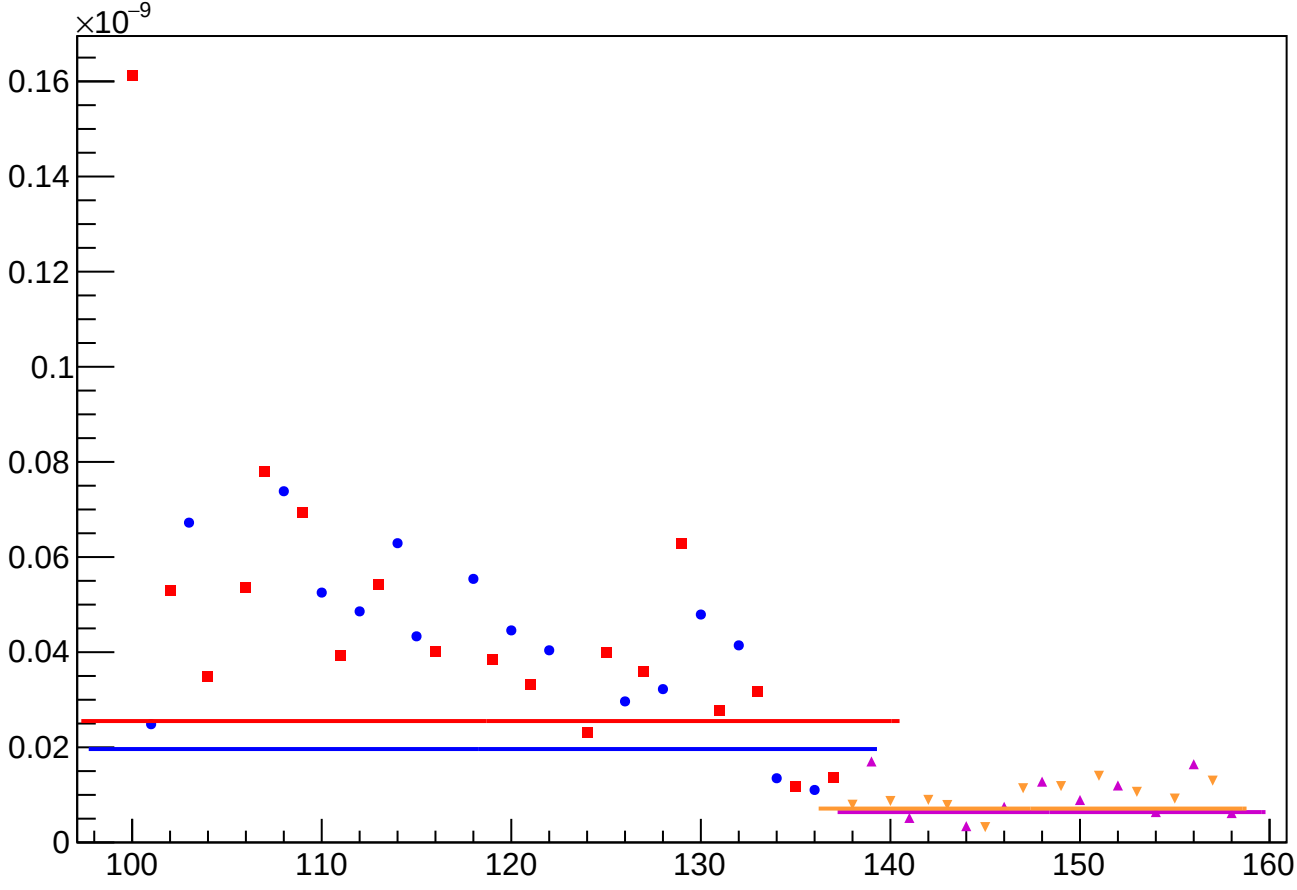
Right Out: -0.000+/-0.000 χ^2/NDF: 18.8/18

Left In: -0.000+/-0.000 χ^2/NDF:2.0/9

+ sign 0.000+/-0.000 χ^2/NDF: 19.9/26

All: -0.000+/-0.000 χ^2/NDF: 46.9/55

- sign -0.000+/-0.000 χ^2/NDF: 20.8/28



Right In: 0.000+/-0.000 χ^2/NDF: 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1965663.2/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

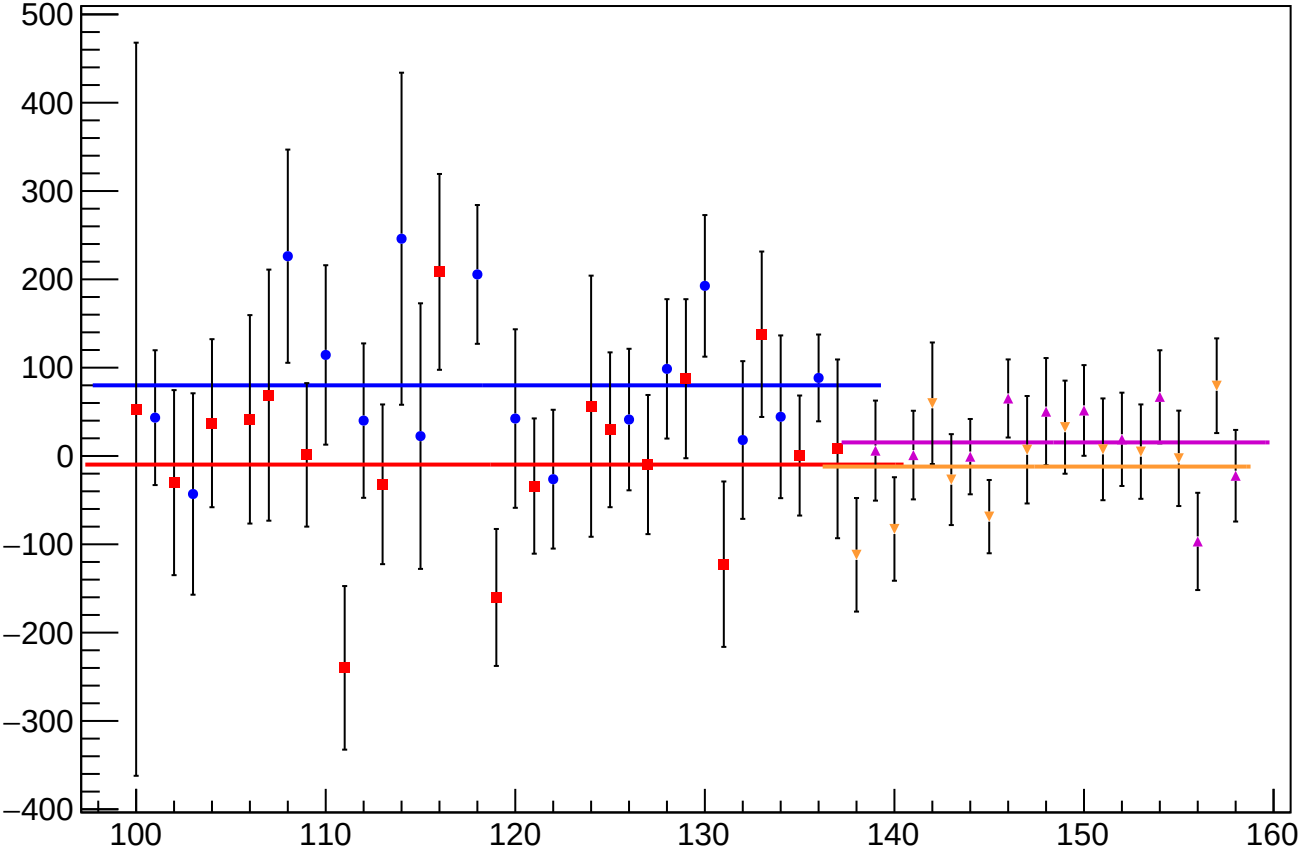
Left In: 0.000+/-0.000 χ^2/NDF:2003554.9/9

+ sign 0.000+/-0.000 χ^2/NDF: 7486841.9/26

All: 0.000+/-0.000 χ^2/NDF: 15939220.0/55

- sign 0.000+/-0.000 χ^2/NDF: 8393314.5/28

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -11.996+/-16.496 χ^2/NDF:10.9/10

Right Out: -9.730+/-21.617 χ^2/NDF: 20.3/18

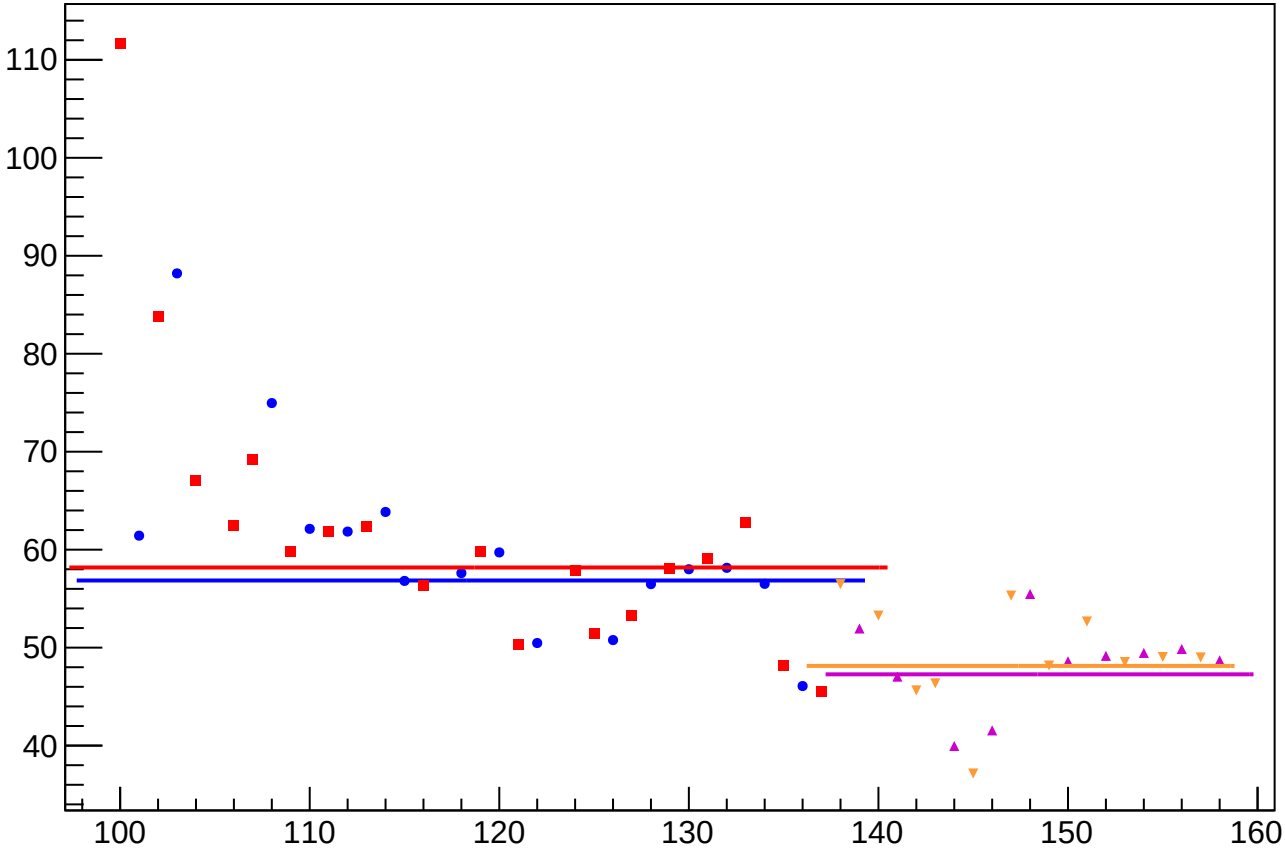
Left In: 15.367+/-16.135 χ^2/NDF:8.0/9

+ sign 22.141+/-13.082 χ^2/NDF: 34.0/26

All: 14.173+/-9.196 χ^2/NDF: 63.9/55

- sign 6.388+/-12.930 χ^2/NDF: 29.2/28

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 48.135+/-0.012 χ^2/NDF:235639.0/10

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

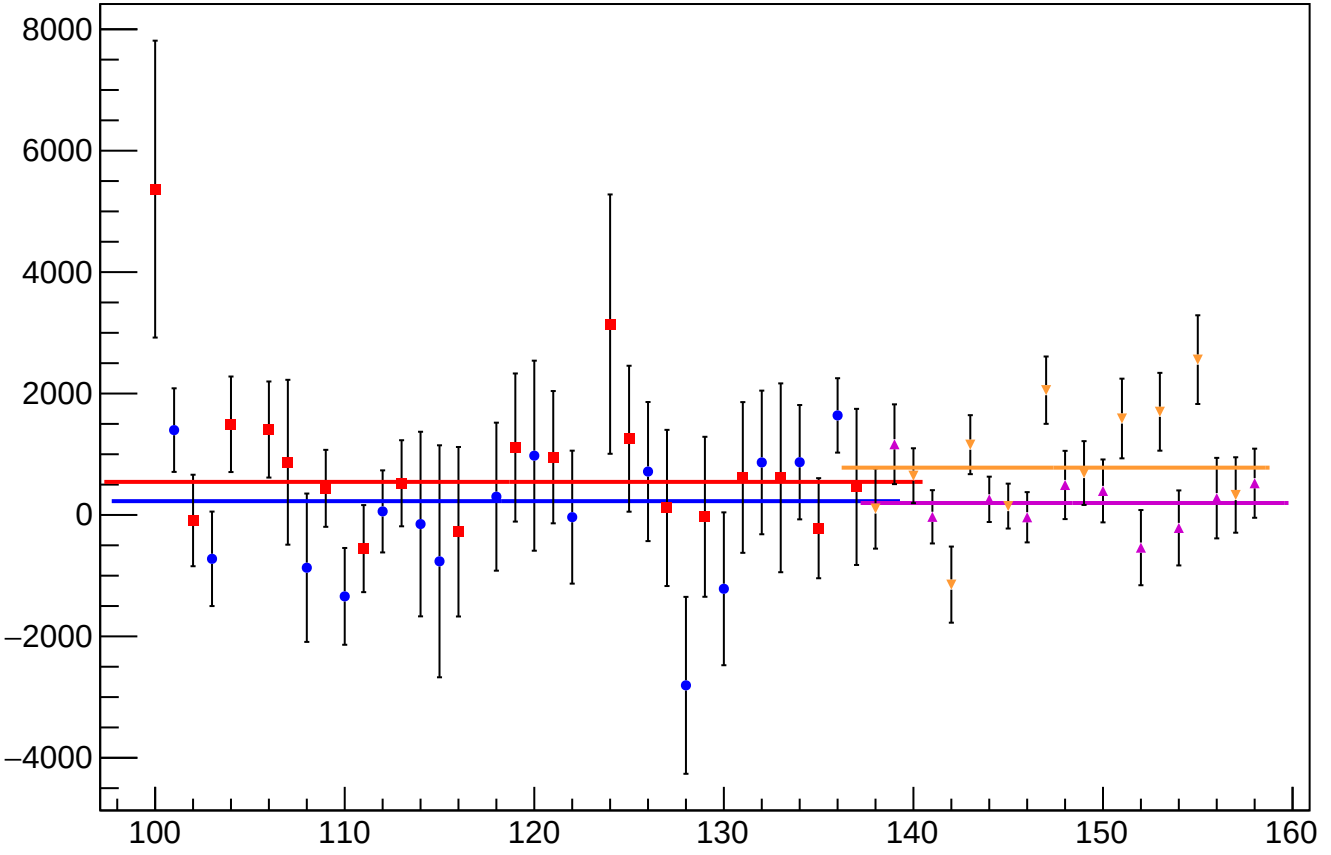
Left In: 47.275+/-0.011 χ^2/NDF:155852.6/9

+ sign 51.371+/-0.009 χ^2/NDF: 784620.9/26

All: 51.273+/-0.007 χ^2/NDF: 1582294.0/55

- sign 51.177+/-0.009 χ^2/NDF: 797452.1/28

asym_sam_15_48_dd_reg_correction_mean vs Slug



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 779.172+/-163.589 χ^2/NDF:29.5/10

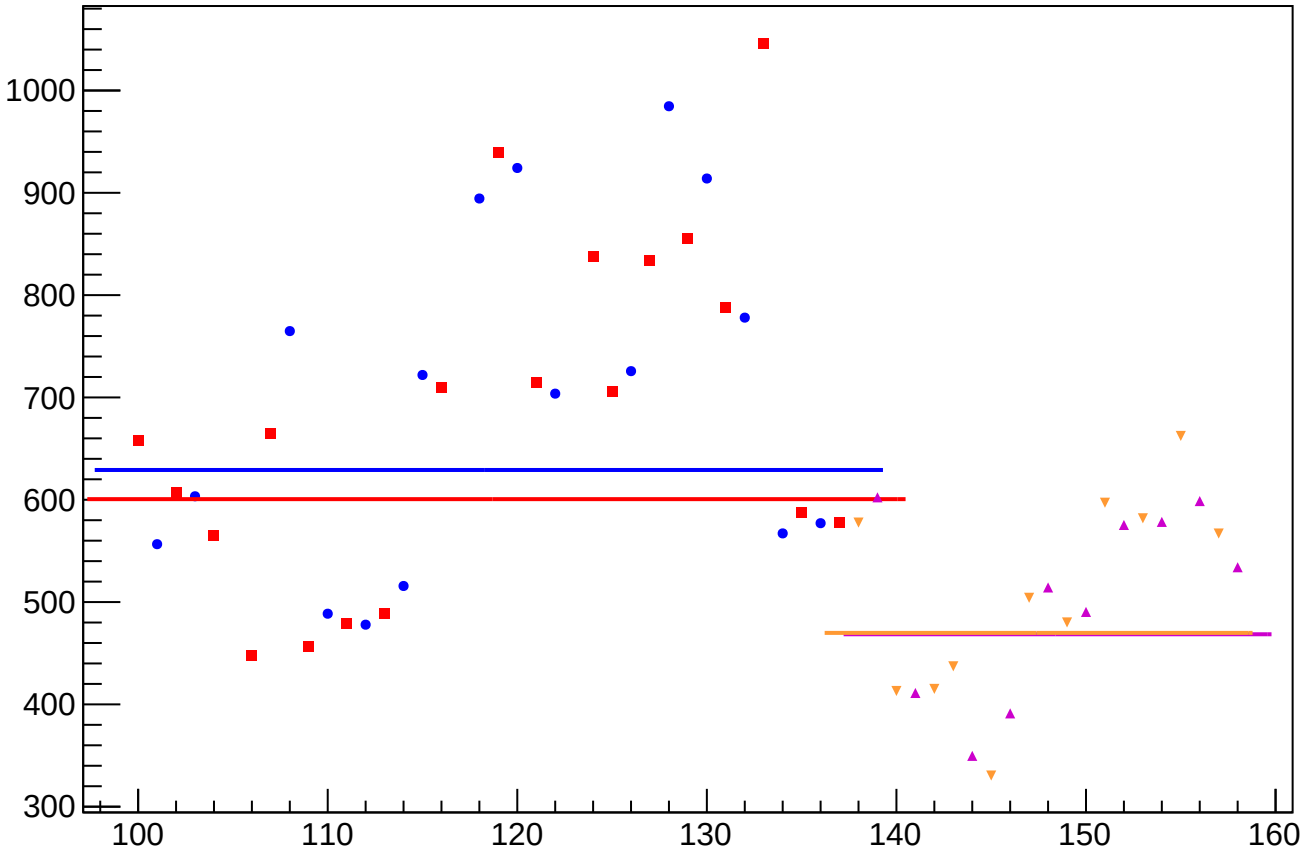
Right Out: 544.769+/-227.243 χ^2/NDF: 13.4/18

Left In: 197.048+/-162.244 χ^2/NDF:5.4/9

+ sign 605.386+/-135.392 χ^2/NDF: 54.7/26

All: 456.277+/-94.530 χ^2/NDF: 77.4/55

- sign 314.453+/-132.043 χ^2/NDF: 20.3/28



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 469.867+/-0.116 χ^2/NDF:725705.8/10

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

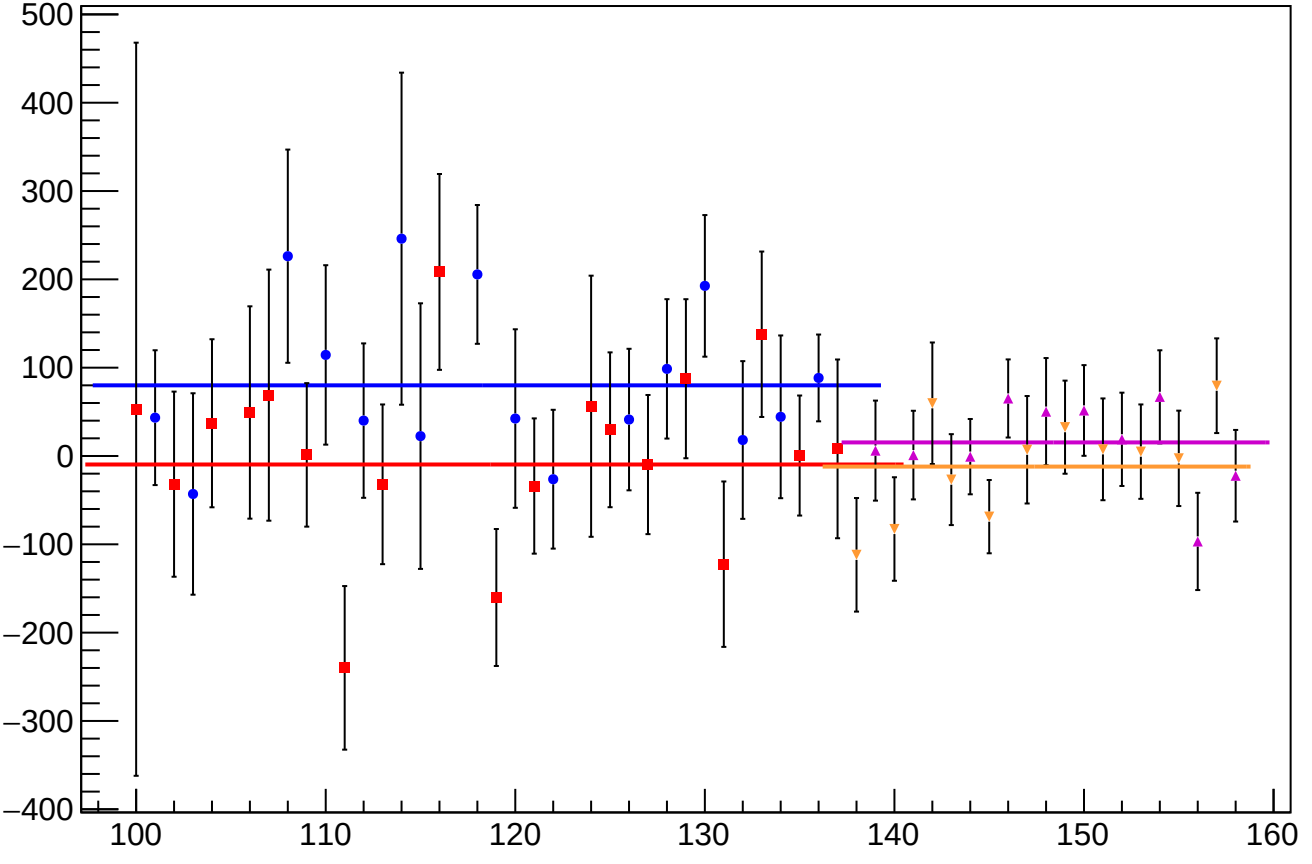
Left In: 468.526+/-0.115 χ^2/NDF:632589.7/9

+ sign 520.027+/-0.096 χ^2/NDF: 2015336.1/26

All: 516.486+/-0.067 χ^2/NDF: 3972651.6/55

- sign 513.117+/-0.093 χ^2/NDF: 1954645.0/28

cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -11.999+/-16.496 χ^2/NDF:10.9/10

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

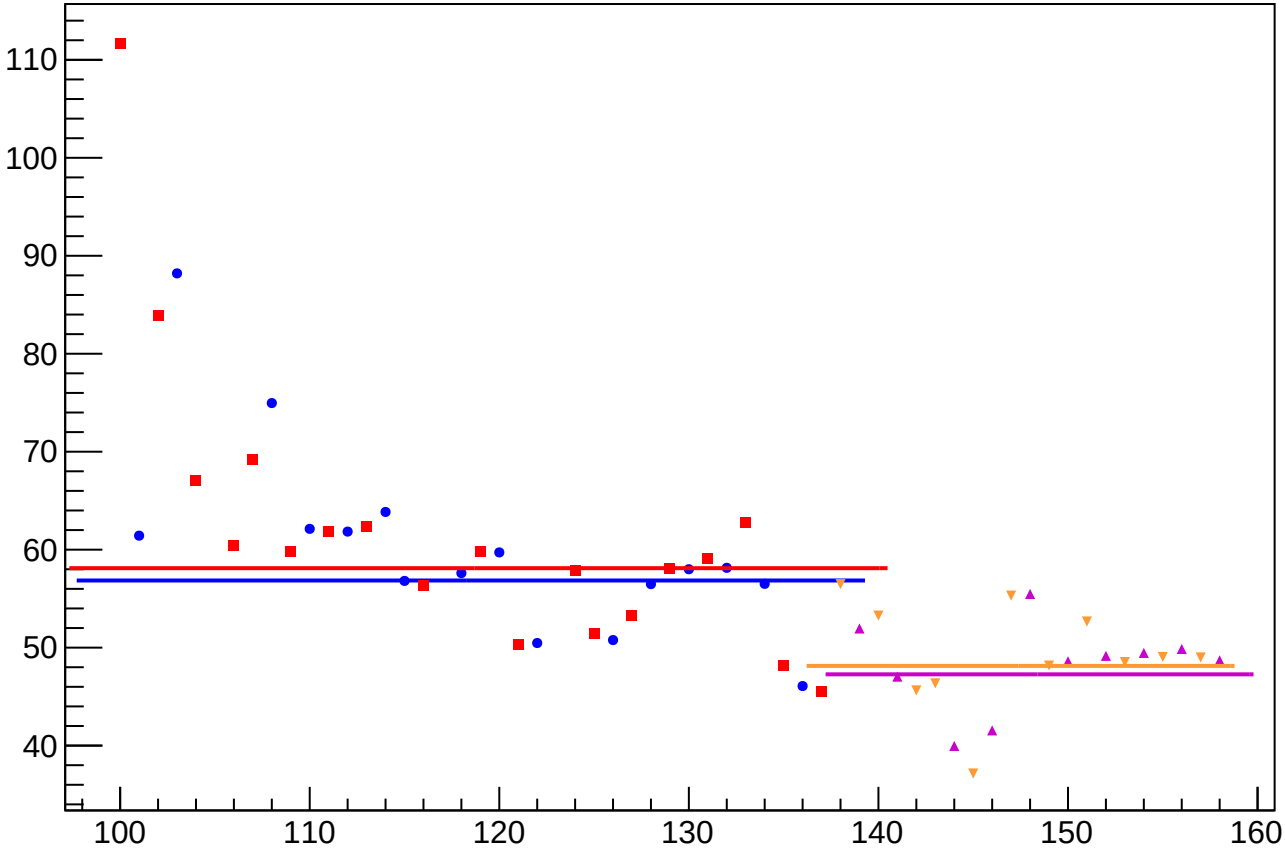
Left In: 15.368+/-16.135 χ^2/NDF:8.0/9

+ sign 22.142+/-13.082 χ^2/NDF: 34.0/26

All: 14.199+/-9.197 χ^2/NDF: 63.9/55

- sign 6.436+/-12.933 χ^2/NDF: 29.2/28

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 48.135+/-0.012 χ^2/NDF:235639.0/10

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

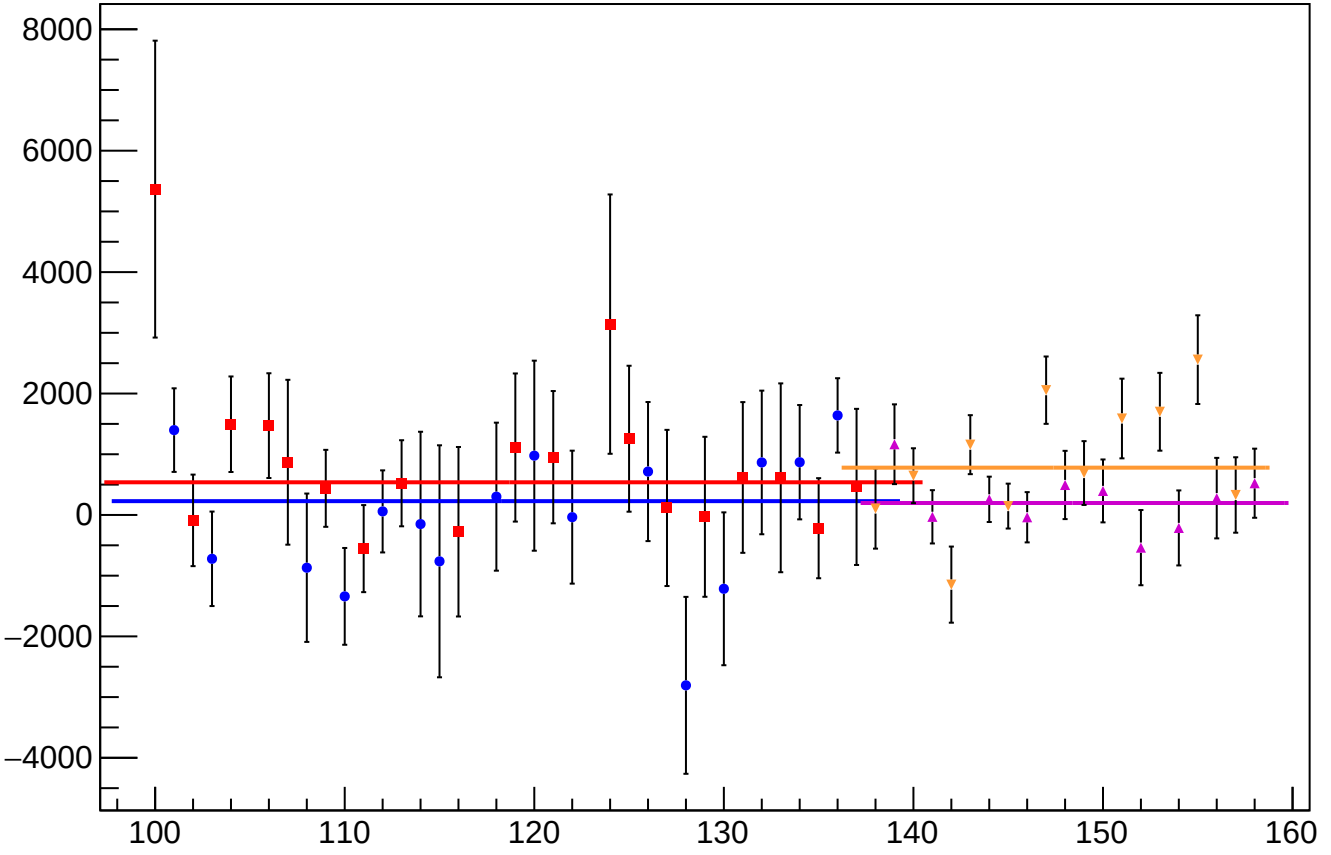
Left In: 47.275+/-0.011 χ^2/NDF:155852.6/9

+ sign 51.371+/-0.009 χ^2/NDF: 784624.8/26

All: 51.258+/-0.007 χ^2/NDF: 1576158.8/55

- sign 51.149+/-0.009 χ^2/NDF: 791243.2/28

asym_sam_15_48_dd_cor_correction_mean vs Slug



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 779.169+/-163.589 χ^2/NDF:29.5/10

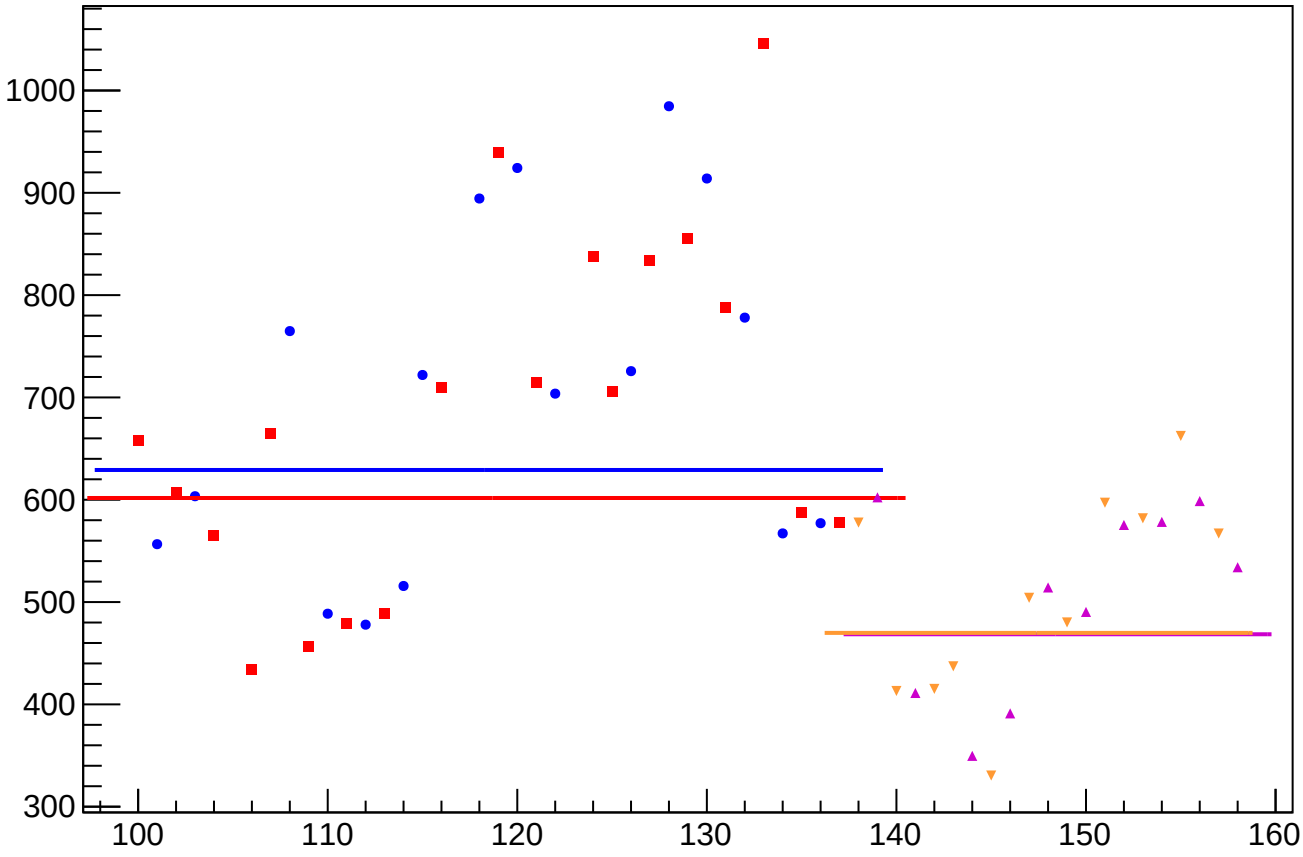
Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: 197.052+/-162.244 χ^2/NDF:5.4/9

+ sign 605.398+/-135.392 χ^2/NDF: 54.7/26

All: 454.943+/-94.638 χ^2/NDF: 77.3/55

- sign 311.200+/-132.338 χ^2/NDF: 20.2/28



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 469.867+/-0.116 χ^2/NDF:725707.8/10

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

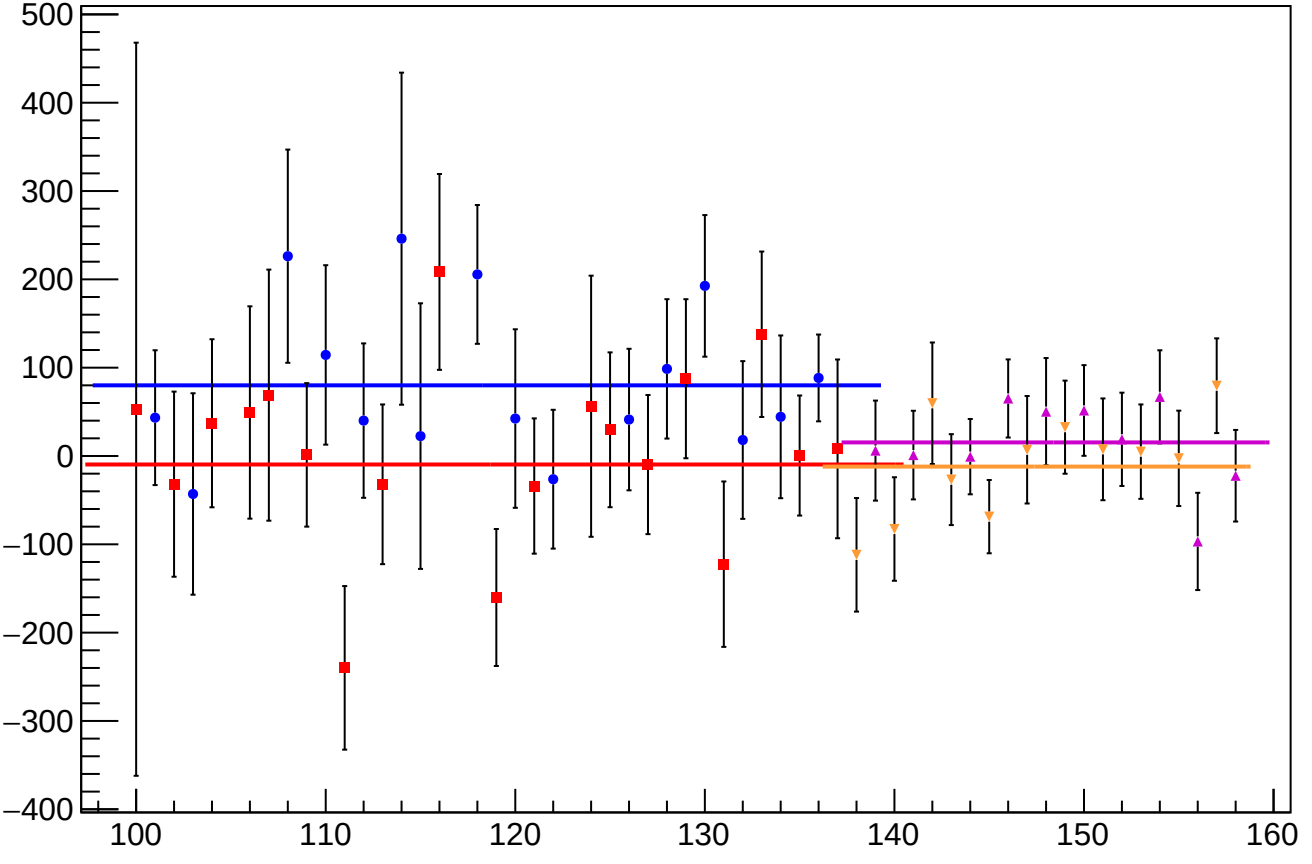
Left In: 468.526+/-0.115 χ^2/NDF:632588.4/9

\+ sign 520.028+/-0.096 χ^2/NDF: 2015360.7/26

All: 516.487+/-0.067 χ^2/NDF: 3975789.9/55

\- sign 513.104+/-0.094 χ^2/NDF: 1957753.7/28

eigen_cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -11.999+/-16.496 χ^2/NDF:10.9/10

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

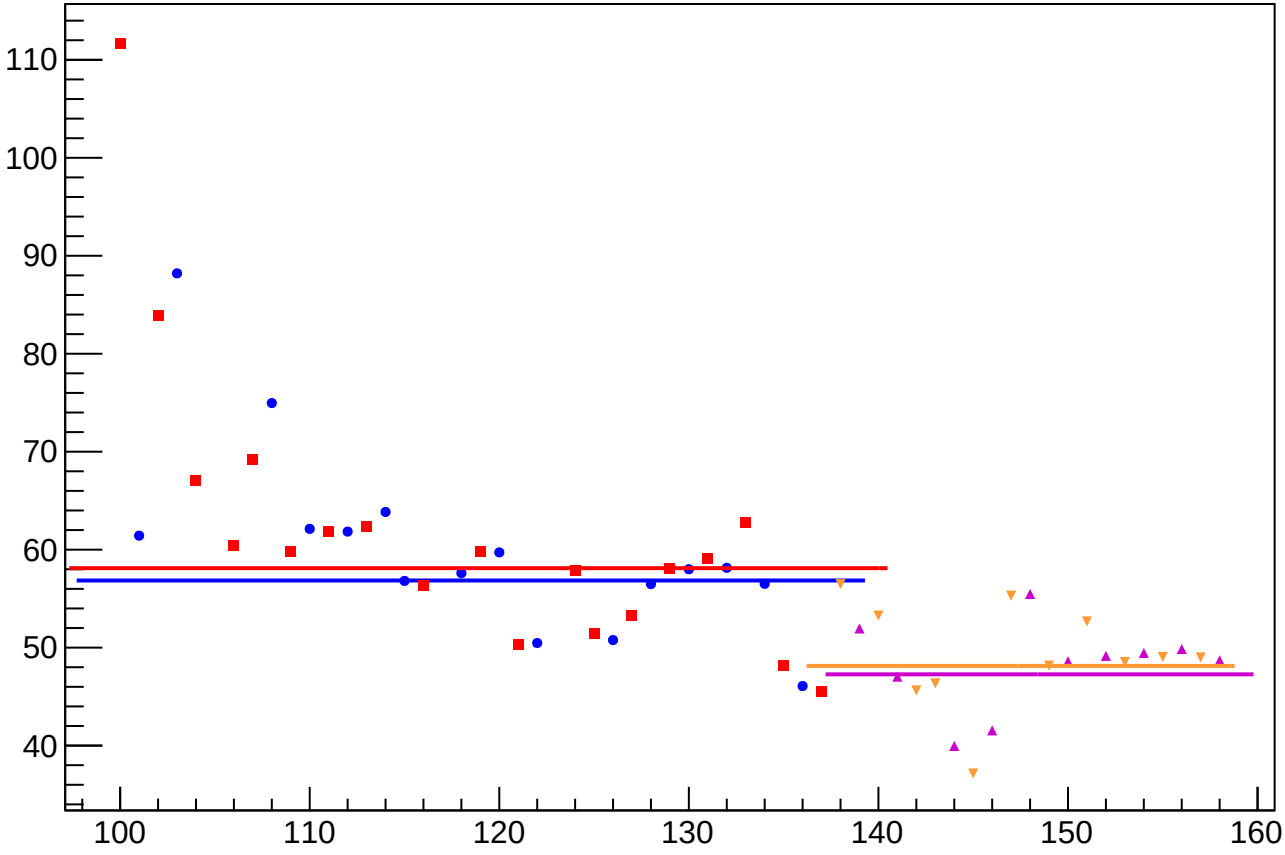
Left In: 15.368+/-16.135 χ^2/NDF:8.0/9

+ sign 22.142+/-13.082 χ^2/NDF: 34.0/26

All: 14.199+/-9.197 χ^2/NDF: 63.9/55

- sign 6.436+/-12.933 χ^2/NDF: 29.2/28

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 48.135+/-0.012 χ^2/NDF:235639.0/10

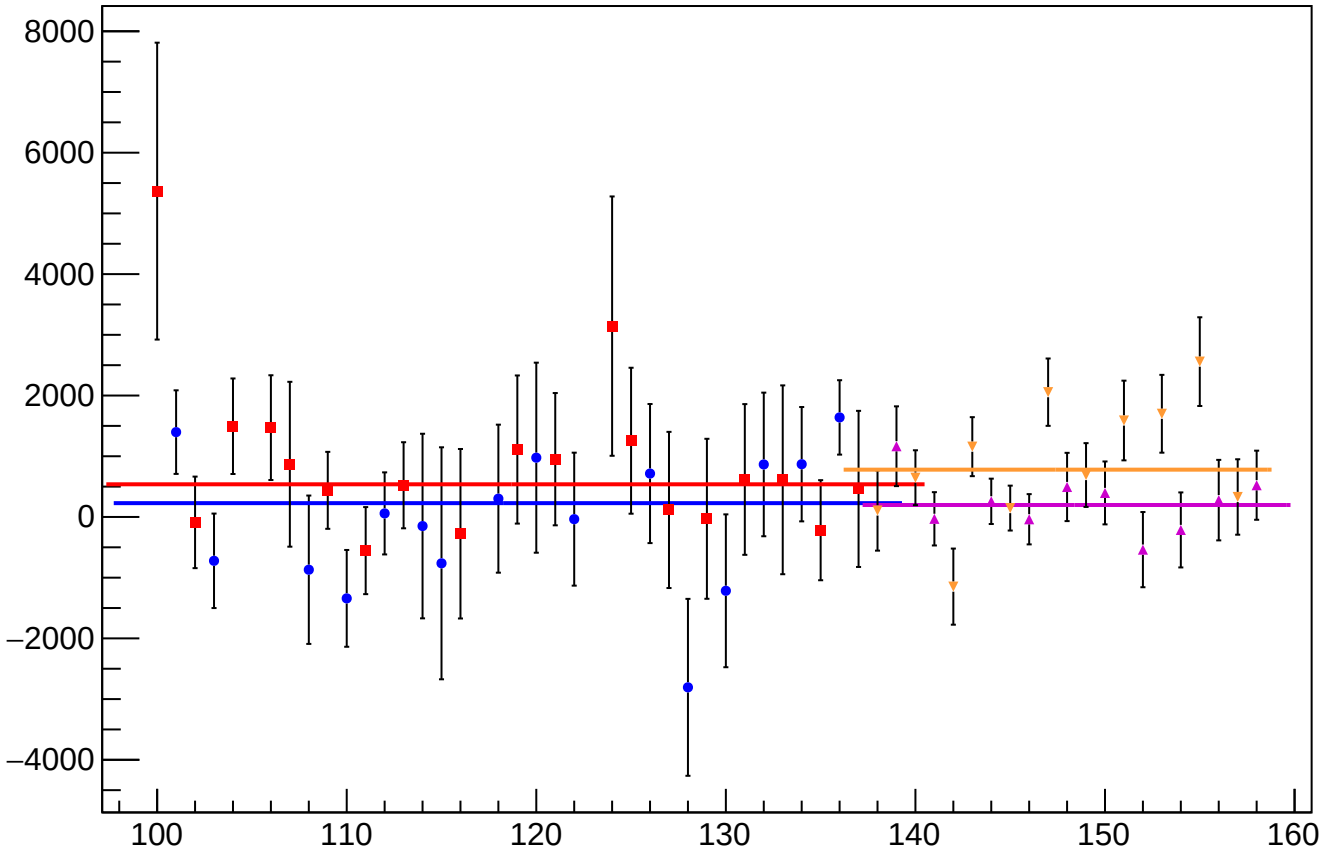
Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 47.275+/-0.011 χ^2/NDF:155852.6/9

+ sign 51.371+/-0.009 χ^2/NDF: 784624.8/26

All: 51.258+/-0.007 χ^2/NDF: 1576158.8/55

- sign 51.149+/-0.009 χ^2/NDF: 791243.2/28



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 779.169+/-163.589 χ^2/NDF:29.5/10

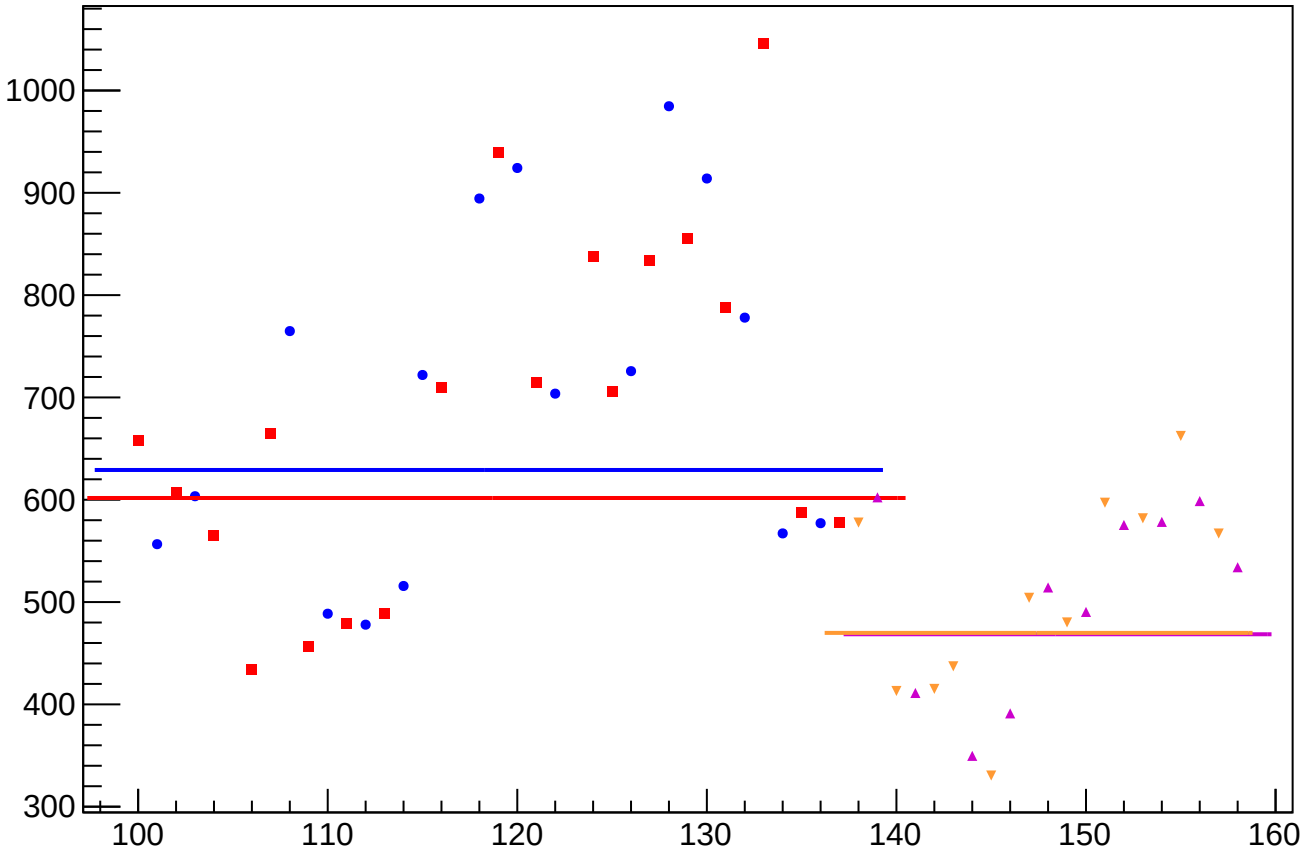
Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: 197.052+/-162.244 χ^2/NDF:5.4/9

\+ sign 605.398+/-135.392 χ^2/NDF: 54.7/26

All: 454.943+/-94.638 χ^2/NDF: 77.3/55

\- sign 311.200+/-132.338 χ^2/NDF: 20.2/28



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 469.867+/-0.116 χ^2/NDF:725707.8/10

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

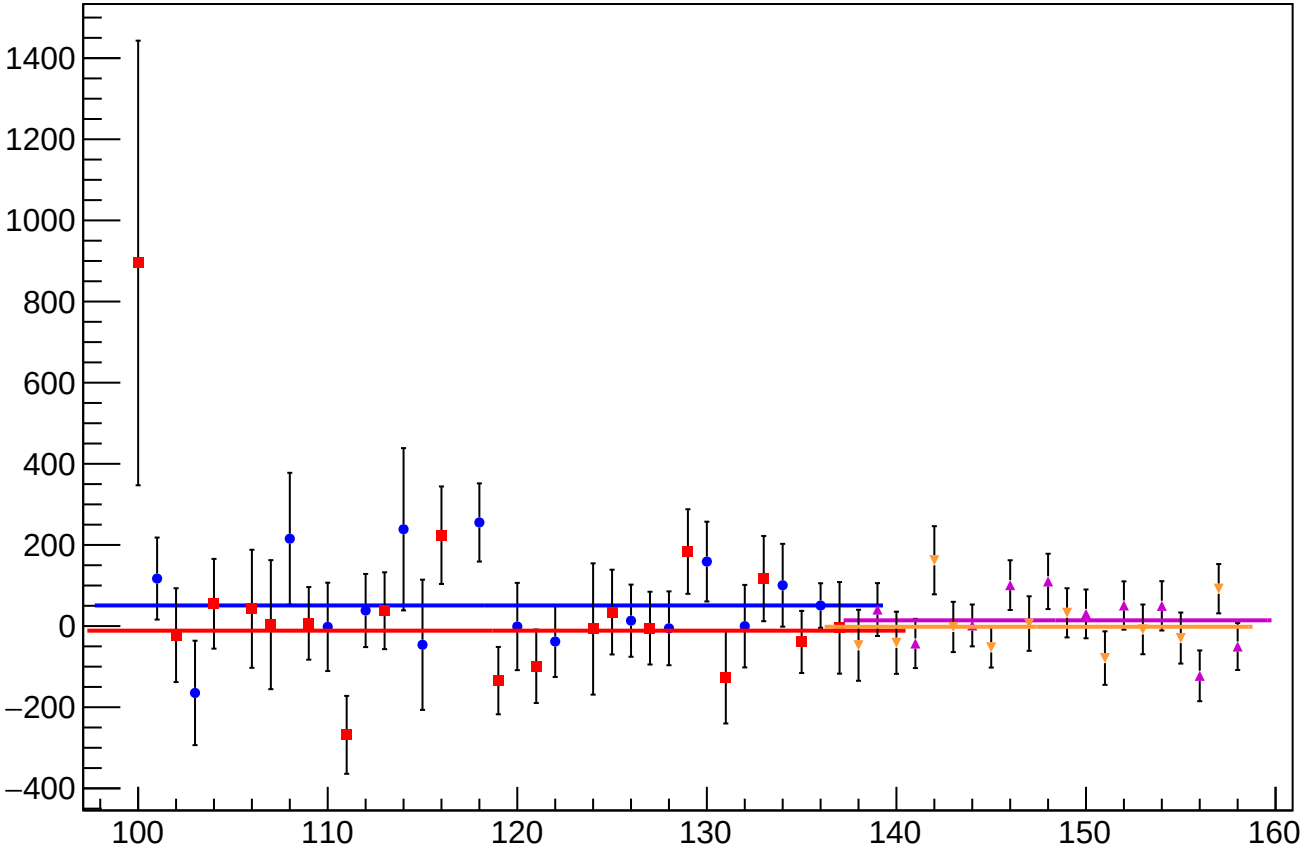
Left In: 468.526+/-0.115 χ^2/NDF:632588.4/9

+ sign 520.028+/-0.096 χ^2/NDF: 2015360.7/26

All: 516.487+/-0.067 χ^2/NDF: 3975789.9/55

- sign 513.104+/-0.094 χ^2/NDF: 1957753.7/28

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: -1.677+/-19.543 χ^2/NDF:9.7/10

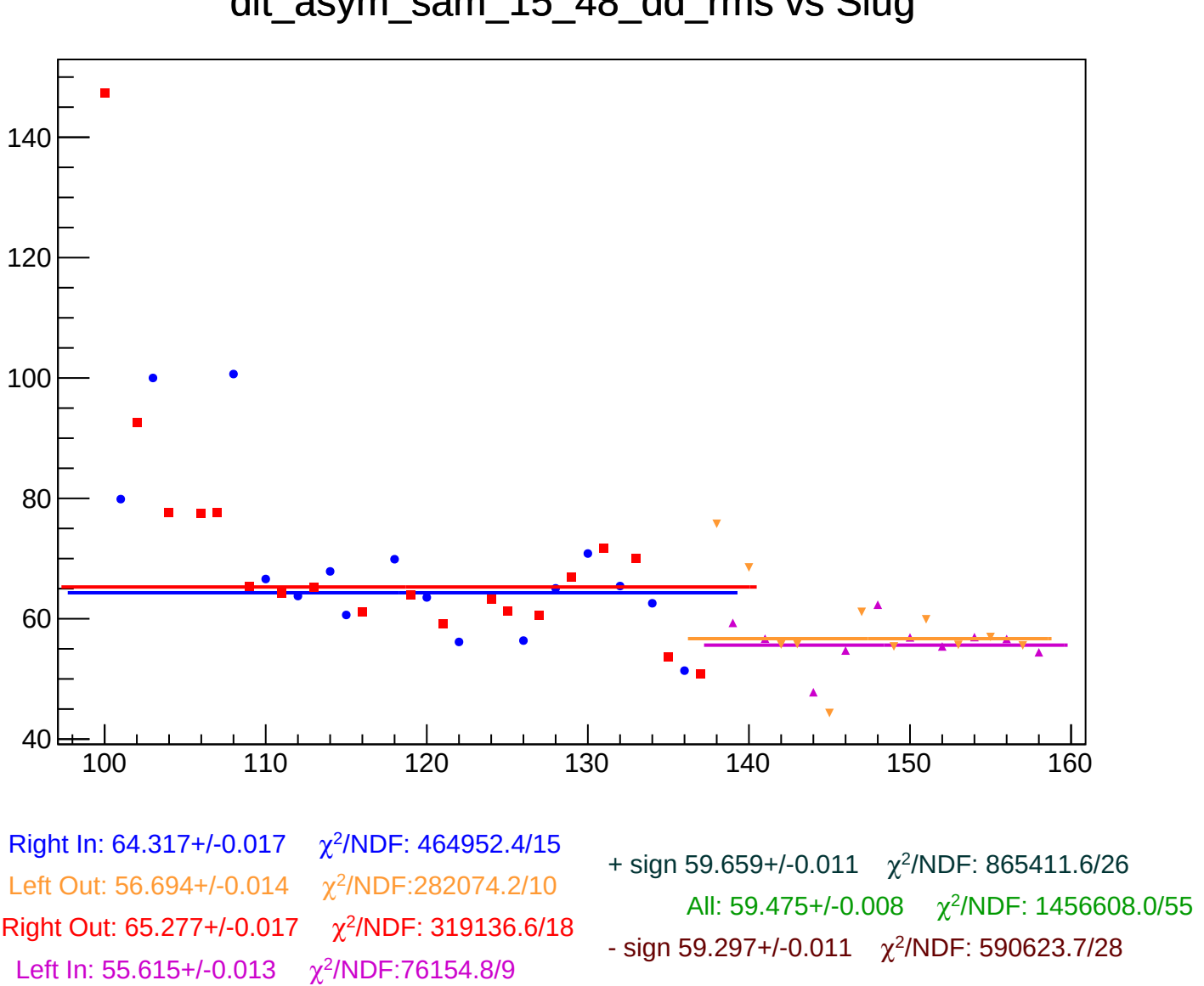
Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

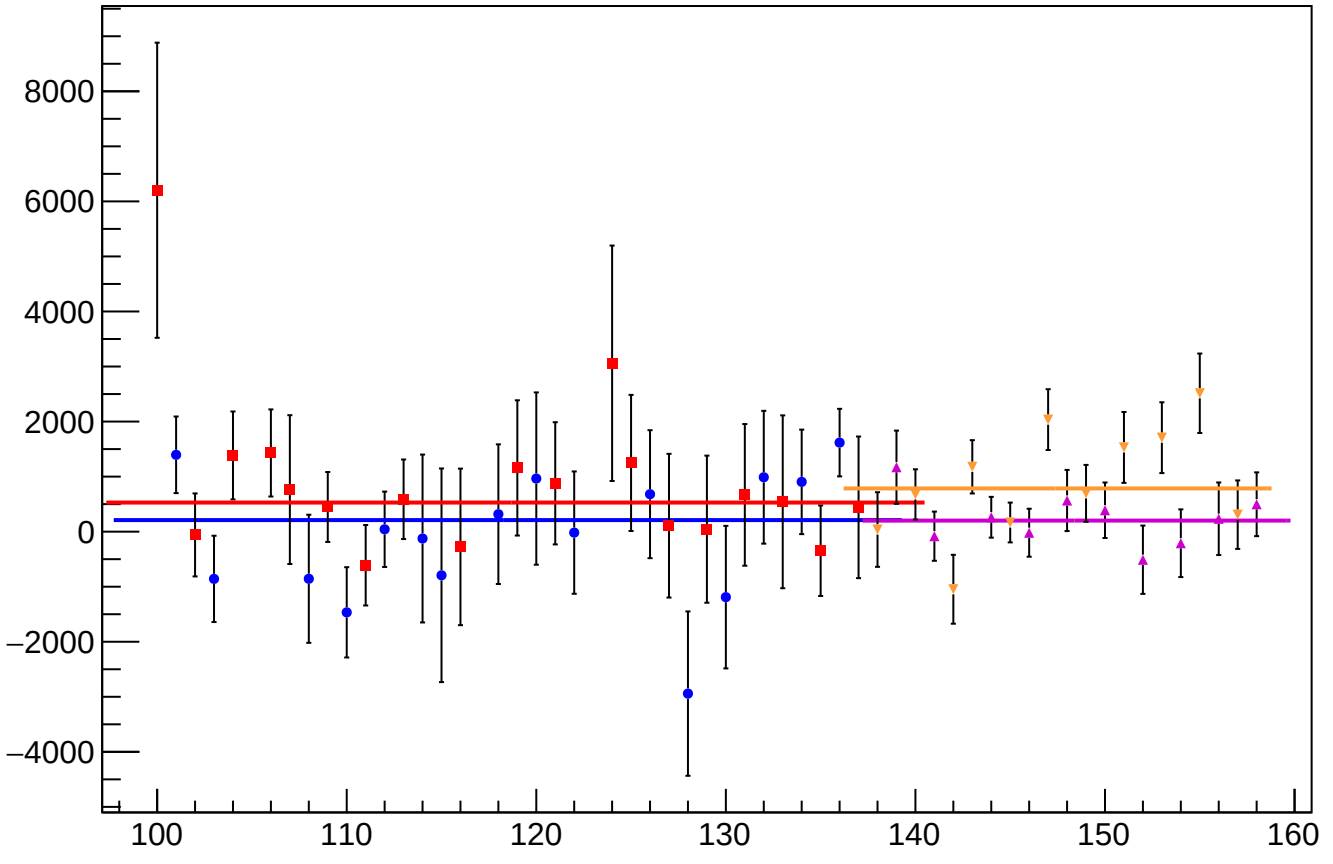
Left In: 14.160+/-19.084 χ^2/NDF:11.9/9

+ sign 18.761+/-15.276 χ^2/NDF: 26.3/26

All: 11.494+/-10.708 χ^2/NDF: 63.3/55

- sign 4.474+/-15.015 χ^2/NDF: 36.6/28


dit_asym_sam_15_48_dd_rms vs Slug
140
120
100
80
60
40
100
110
120
130
140
150
160
Right In: 64.317+/-0.017 χ²/NDF: 464952.4/15
Left Out: 56.694+/-0.014 χ²/NDF:282074.2/10
Right Out: 65.277+/-0.017 χ²/NDF: 319136.6/18
Left In: 55.615+/-0.013 χ²/NDF:76154.8/9
+ sign 59.659+/-0.011 χ²/NDF: 865411.6/26
All: 59.475+/-0.008 χ²/NDF: 1456608.0/55
- sign 59.297+/-0.011 χ²/NDF: 590623.7/28



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 785.285+/-162.615 χ^2/NDF:28.3/10

Right Out: 528.675+/-229.679 χ^2/NDF: 13.8/18

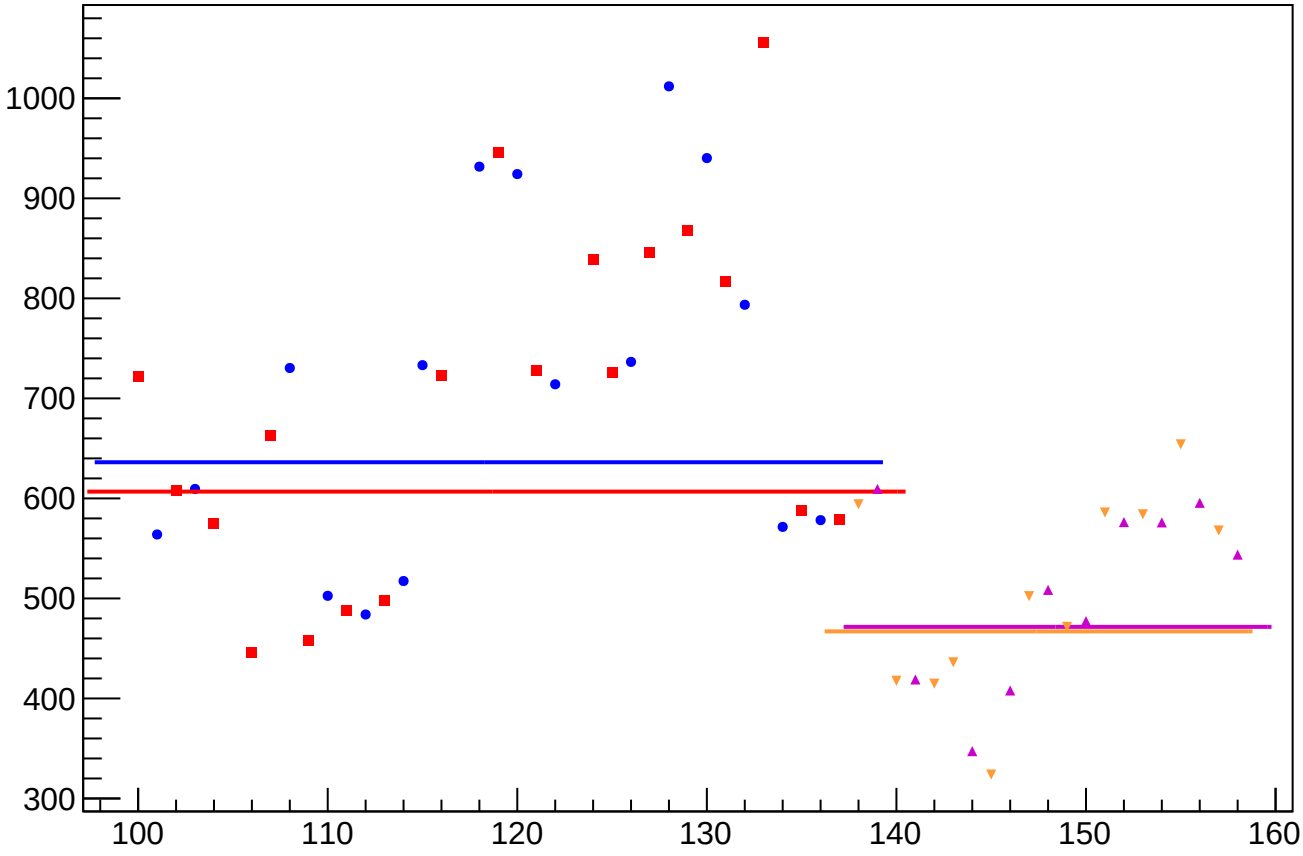
Left In: 201.120+/-163.270 χ^2/NDF:5.4/9

+ sign 608.155+/-135.282 χ^2/NDF: 54.6/26

All: 457.171+/-94.868 χ^2/NDF: 77.6/55

- sign 311.077+/-133.073 χ^2/NDF: 20.6/28

asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 467.061+/-0.115 χ^2/NDF:759031.5/10

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

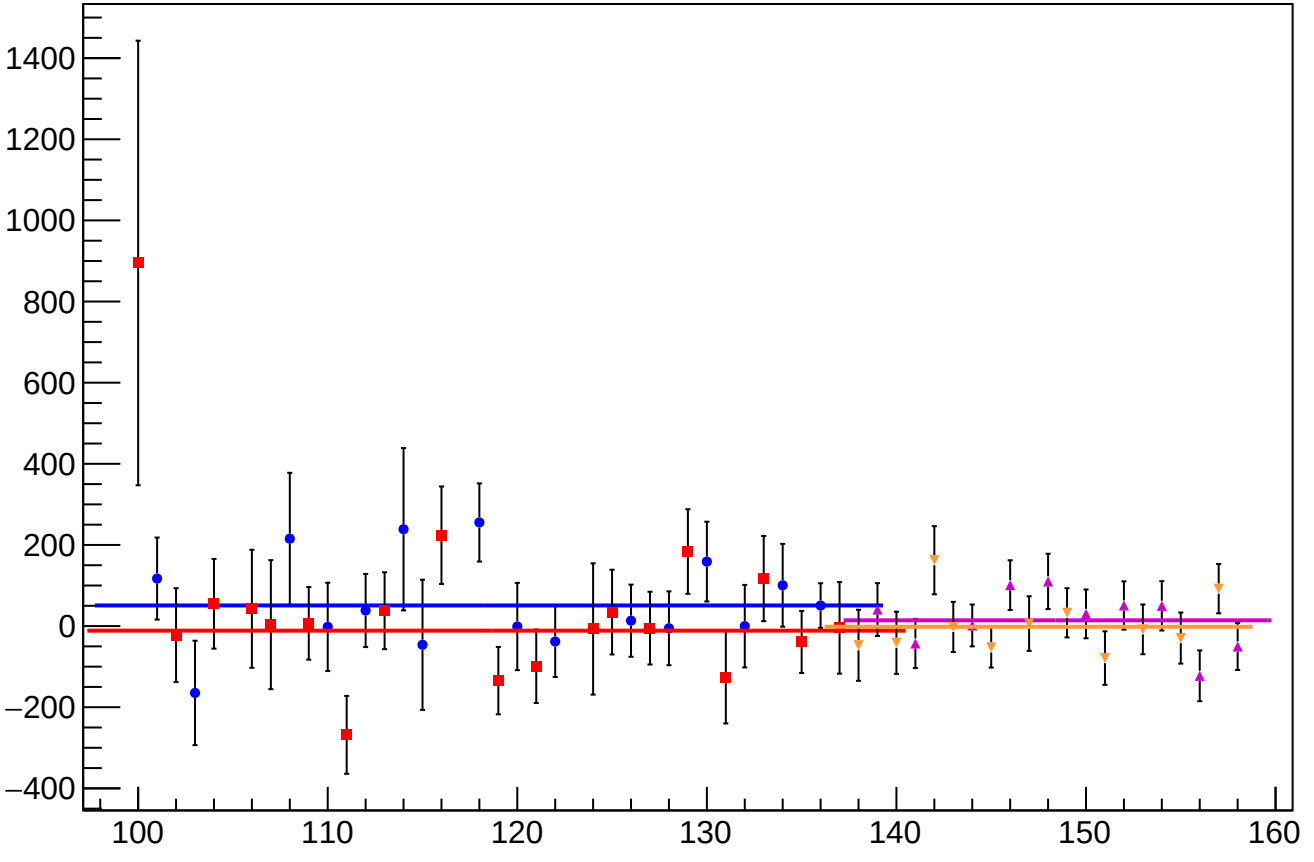
Left In: 471.572+/-0.115 χ^2/NDF:606989.0/9

\+ sign 519.123+/-0.096 χ^2/NDF: 2130054.1/26

All: 518.028+/-0.067 χ^2/NDF: 4091765.5/55

\- sign 516.968+/-0.094 χ^2/NDF: 1961453.3/28

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: -1.678+/-19.543 χ^2/NDF:9.7/10

Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

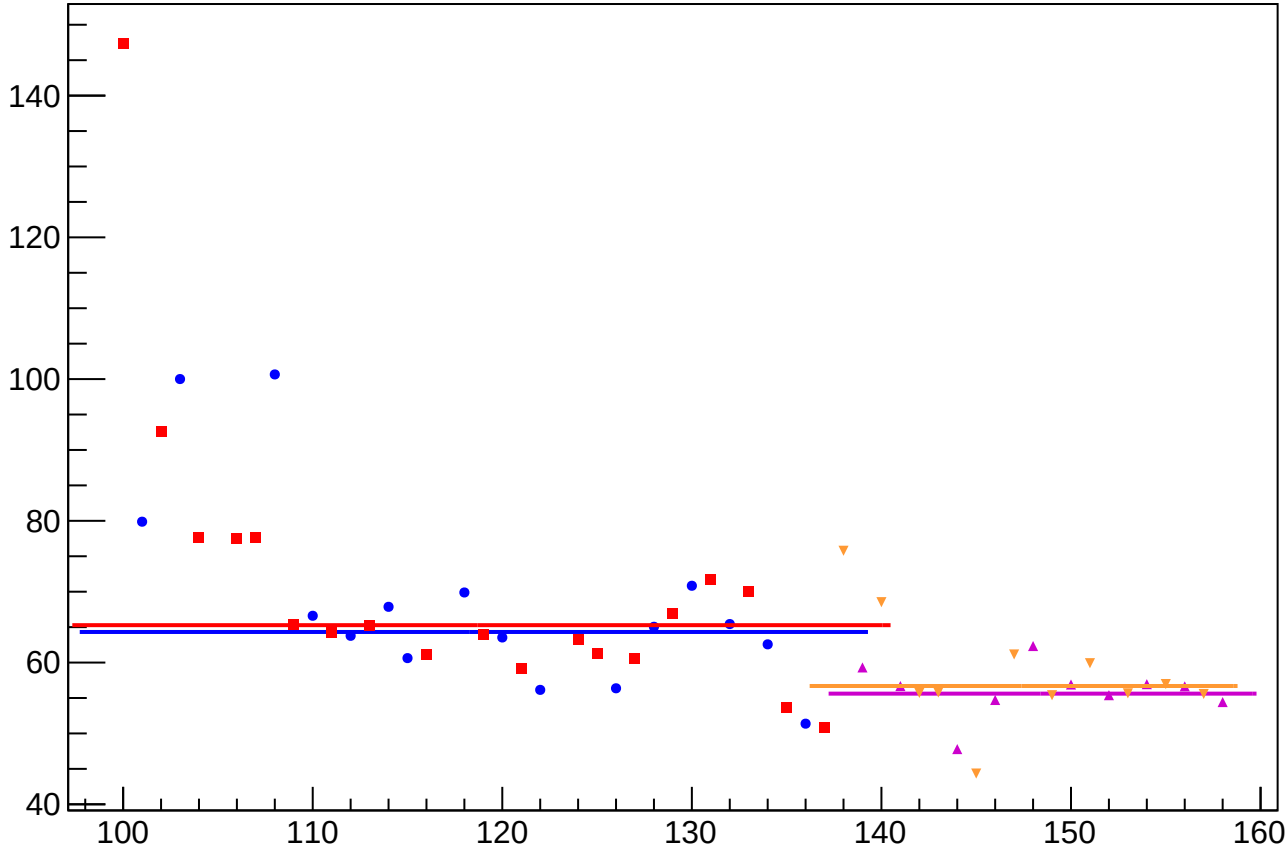
Left In: 14.160+/-19.084 χ^2/NDF:11.9/9

+ sign 18.760+/-15.276 χ^2/NDF: 26.3/26

All: 11.494+/-10.708 χ^2/NDF: 63.3/55

- sign 4.474+/-15.015 χ^2/NDF: 36.6/28

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 56.694+/-0.014 χ^2/NDF:282060.5/10

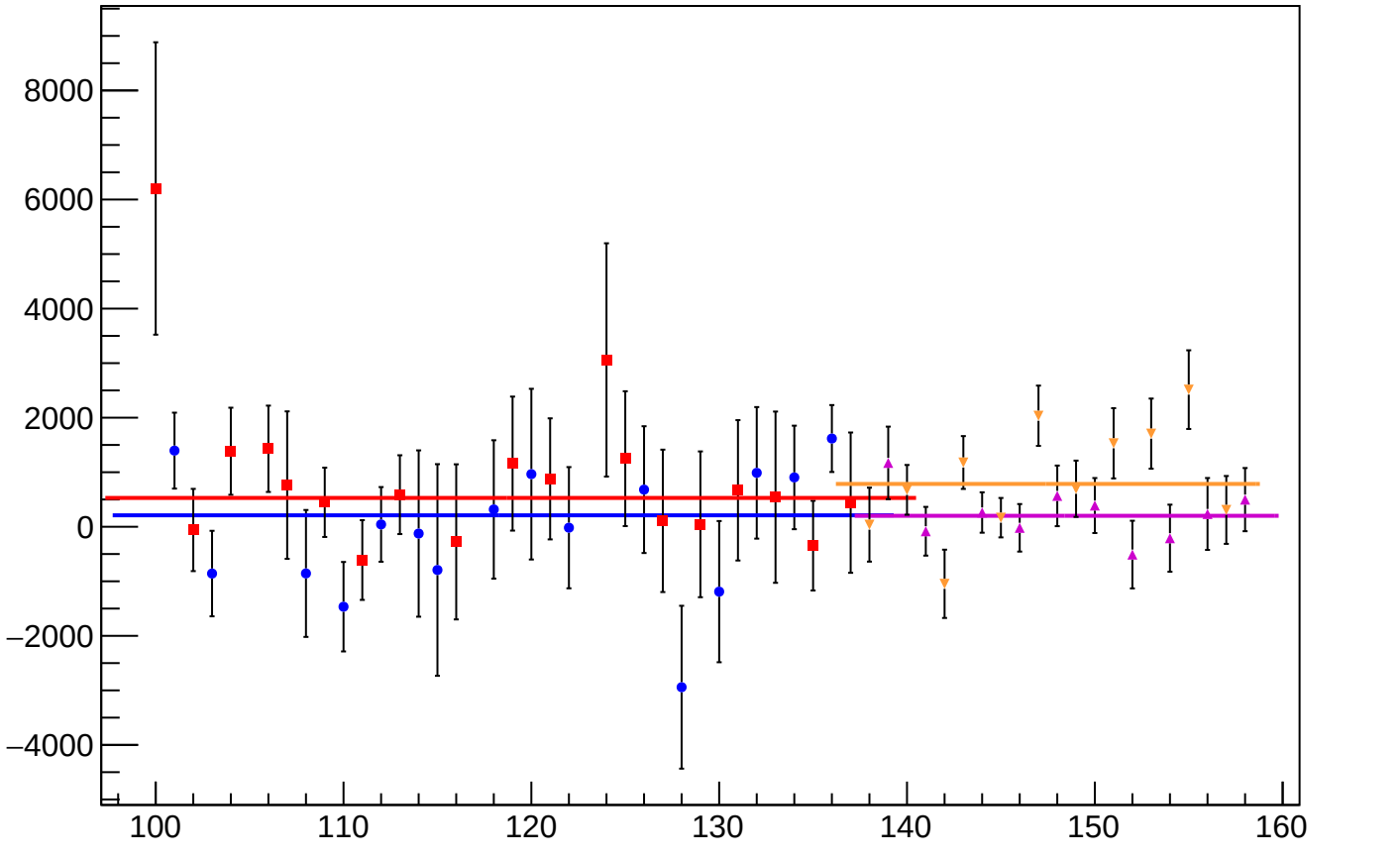
Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 55.615+/-0.013 χ^2/NDF:76150.2/9

+ sign 59.659+/-0.011 χ^2/NDF: 865388.4/26

All: 59.475+/-0.008 χ^2/NDF: 1456574.4/55

- sign 59.297+/-0.011 χ^2/NDF: 590613.1/28



Right In: 210.017+/-243.798 χ^2/NDF: 22.4/15

Left Out: 785.284+/-162.614 χ^2/NDF:28.3/10

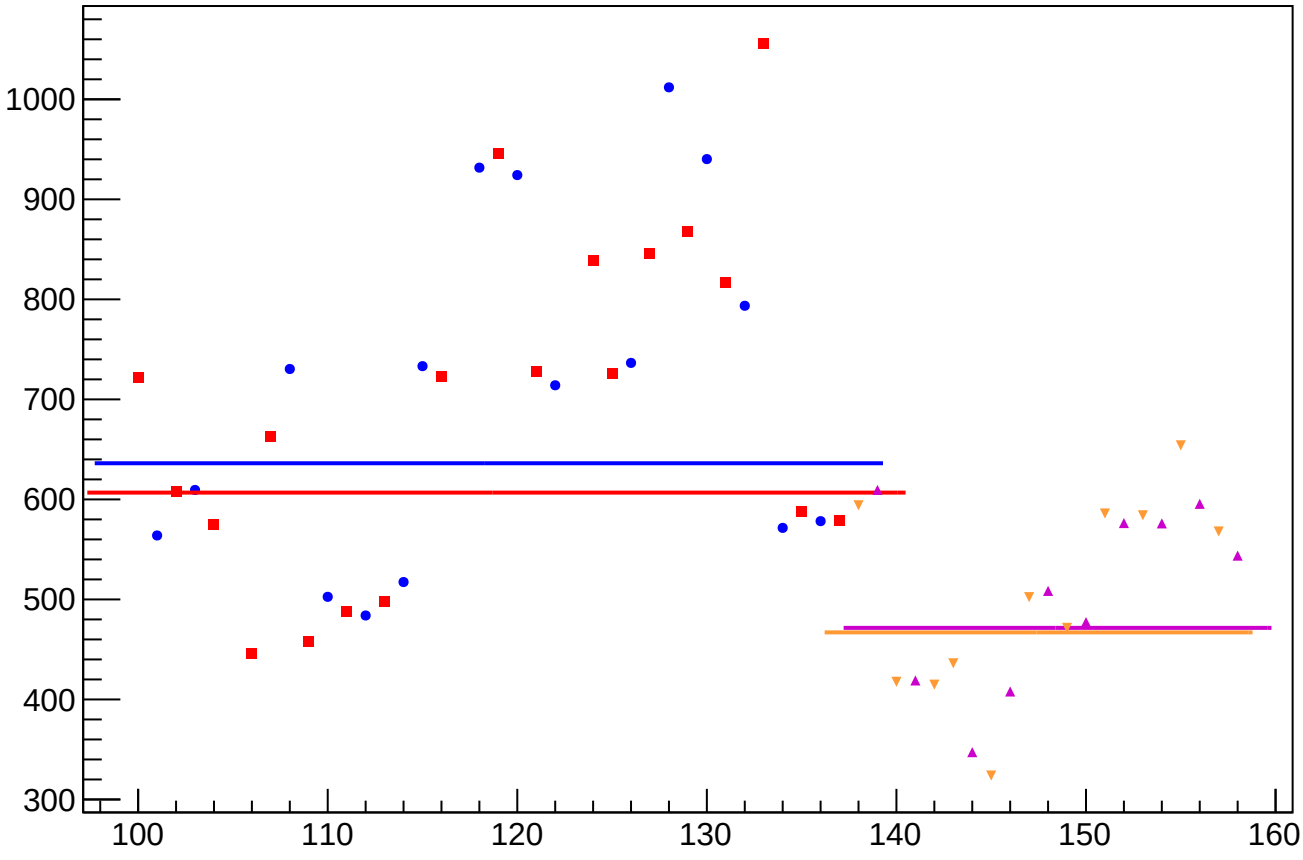
Right Out: 528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: 201.119+/-163.270 χ^2/NDF:5.4/9

+ sign 608.154+/-135.282 χ^2/NDF: 54.6/26

All: 457.170+/-94.868 χ^2/NDF: 77.6/55

- sign 311.077+/-133.073 χ^2/NDF: 20.6/28



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 467.060+/-0.115 χ^2/NDF:759038.2/10

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

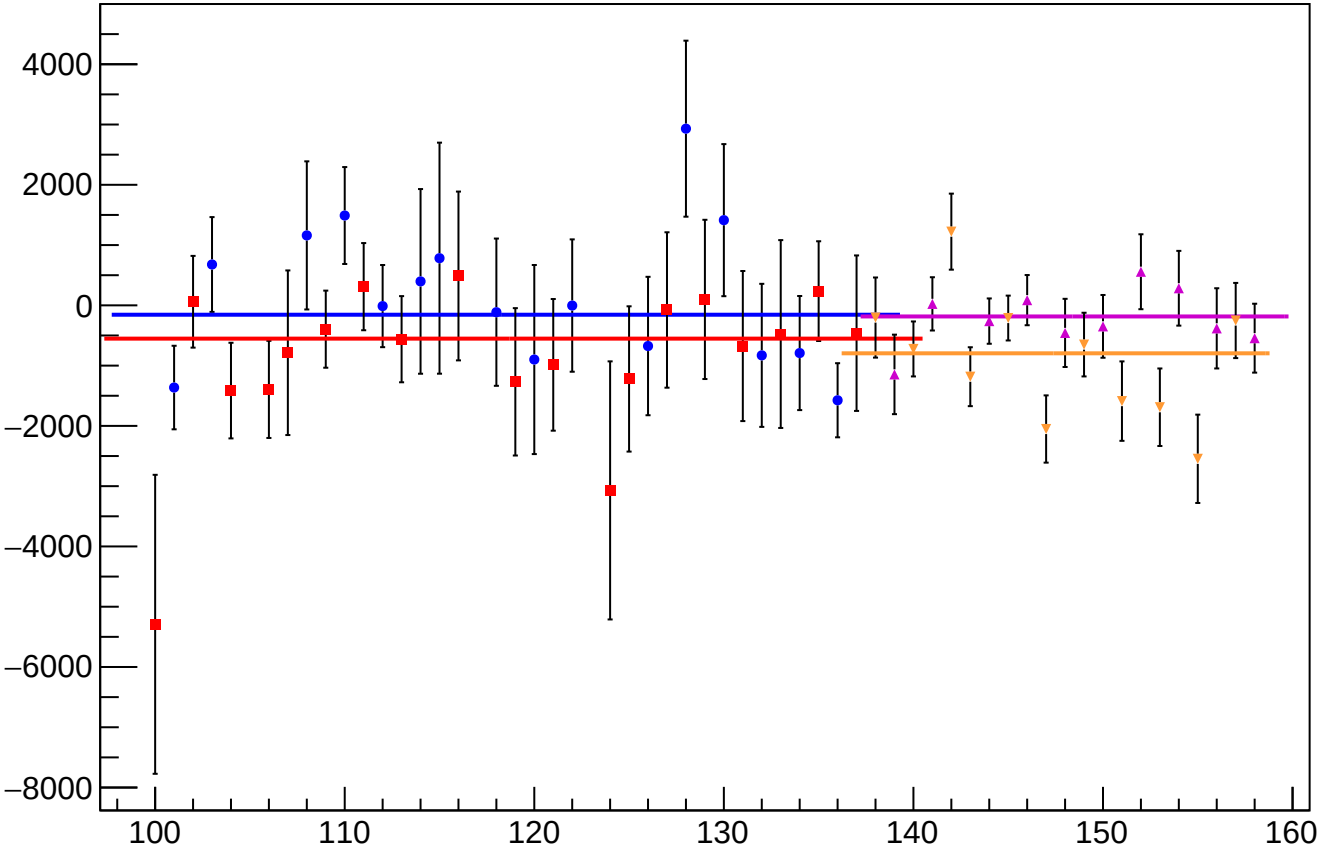
Left In: 471.571+/-0.115 χ^2/NDF:606989.6/9

+ sign 519.123+/-0.096 χ^2/NDF: 2130068.0/26

All: 518.027+/-0.067 χ^2/NDF: 4091782.9/55

- sign 516.967+/-0.094 χ^2/NDF: 1961456.9/28

asym_sam_15_48_dd_mean vs Slug



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -795.795+/-164.516 χ^2/NDF:29.2/10

Right Out: -552.176+/-228.890 χ^2/NDF: 12.1/18

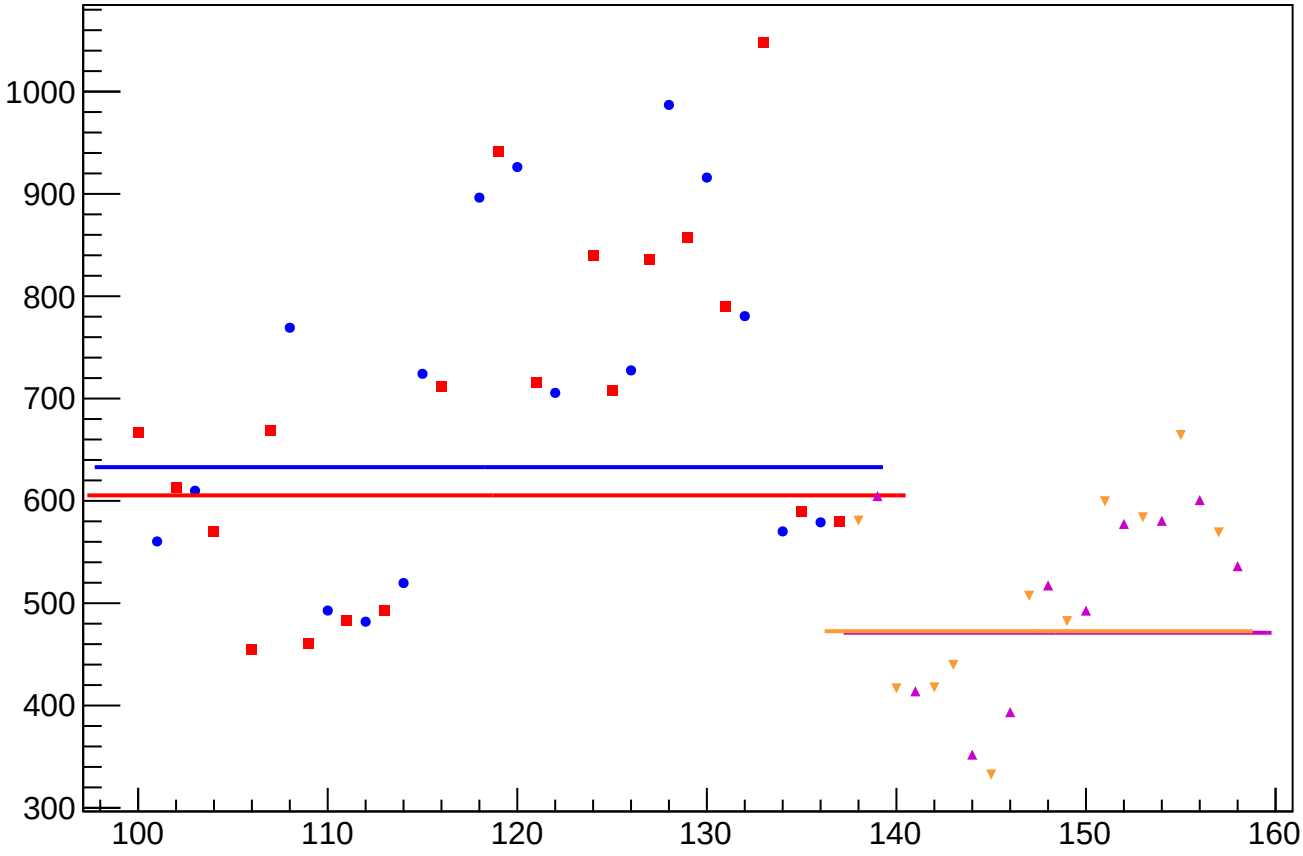
Left In: -184.263+/-163.114 χ^2/NDF:5.6/9

+ sign -594.140+/-136.159 χ^2/NDF: 56.4/26

All: -447.625+/-95.082 χ^2/NDF: 78.1/55

- sign -308.176+/-132.835 χ^2/NDF: 19.5/28

asym_sam_15_48_dd_rms vs Slug



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 472.662+/-0.116 χ^2/NDF:717645.8/10

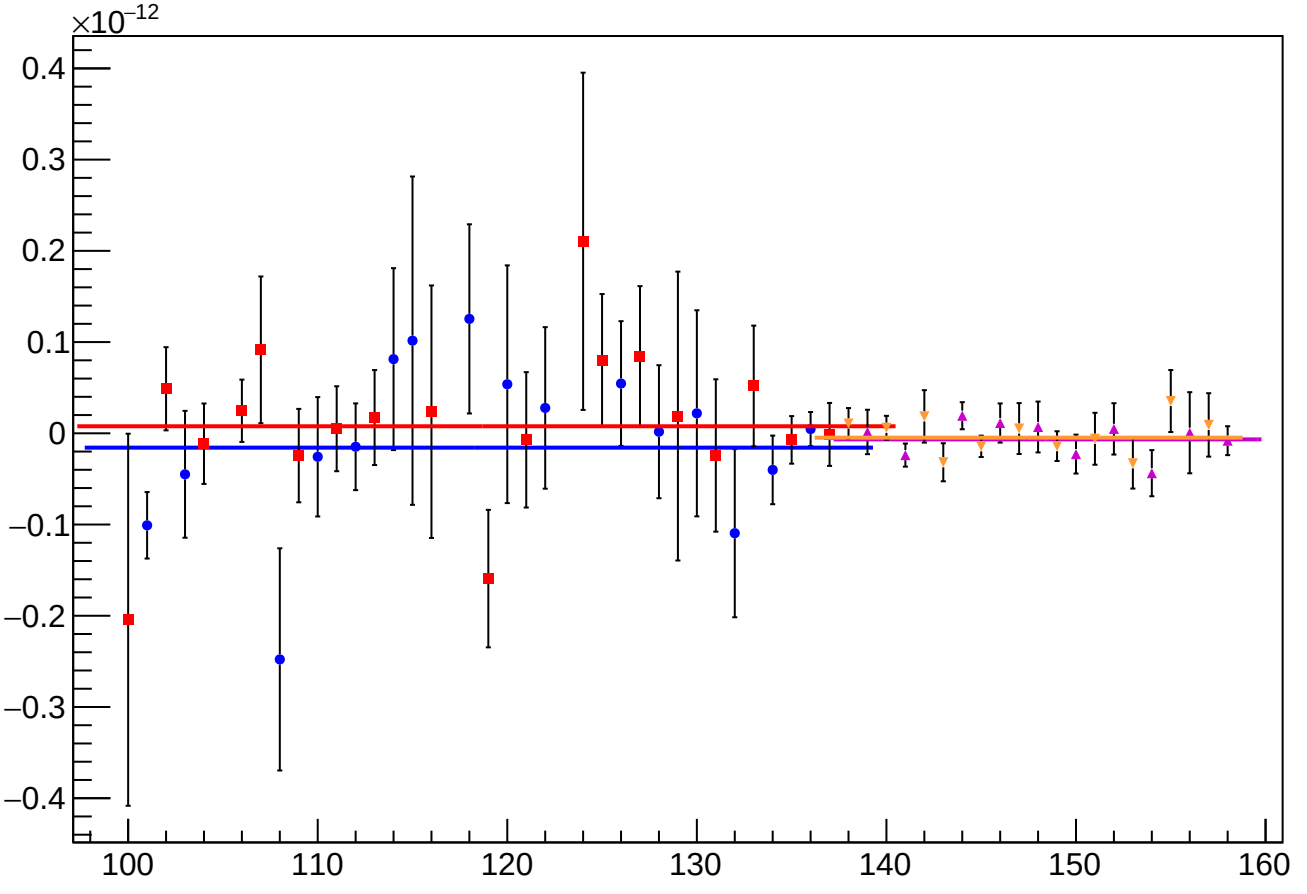
Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 471.152+/-0.115 χ^2/NDF:625366.2/9

+ sign 523.160+/-0.096 χ^2/NDF: 1996969.0/26

All: 519.675+/-0.067 χ^2/NDF: 3934992.5/55

- sign 516.358+/-0.094 χ^2/NDF: 1935465.5/28



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.6/10

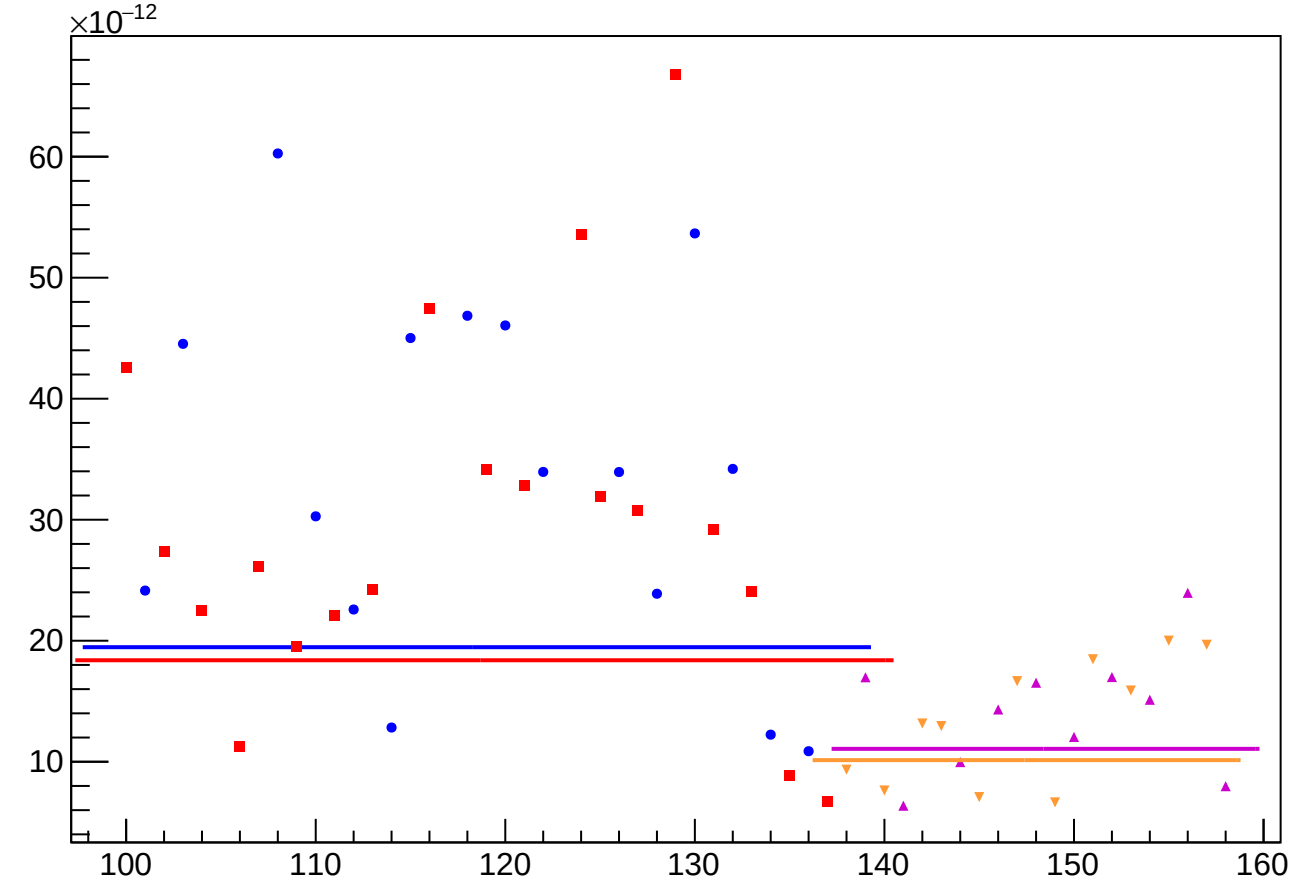
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:8.9/9

+ sign -0.000+/-0.000 χ^2/NDF: 25.1/26

All: -0.000+/-0.000 χ^2/NDF: 48.2/55

- sign -0.000+/-0.000 χ^2/NDF: 23.0/28



Right In: 0.000+/-0.000 χ^2/NDF: 1735565.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1050638.9/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1444777.6/18

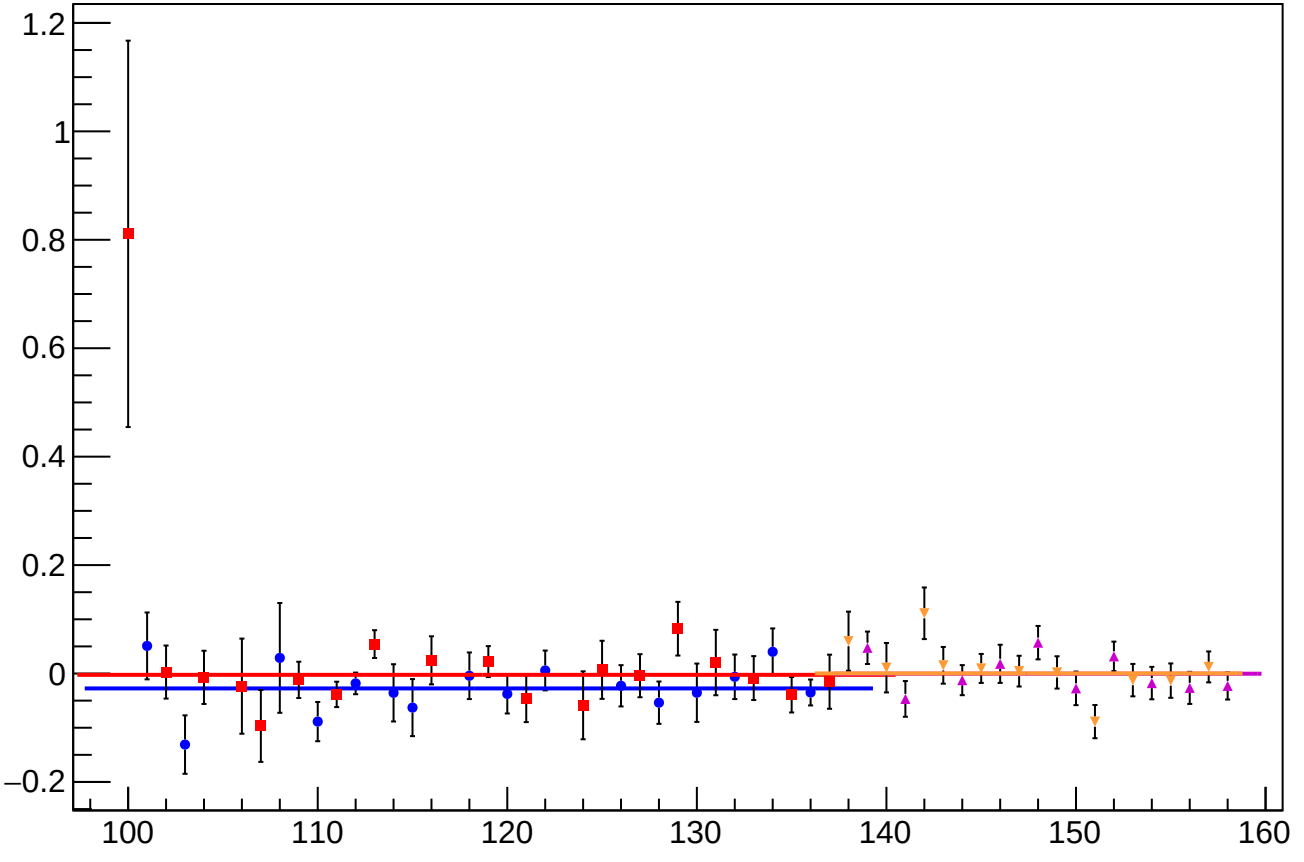
Left In: 0.000+/-0.000 χ^2/NDF:916443.8/9

+ sign 0.000+/-0.000 χ^2/NDF: 3688890.6/26

All: 0.000+/-0.000 χ^2/NDF: 6645660.2/55

- sign 0.000+/-0.000 χ^2/NDF: 2933816.5/28

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.000+/-0.010 χ^2/NDF:16.0/10

Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

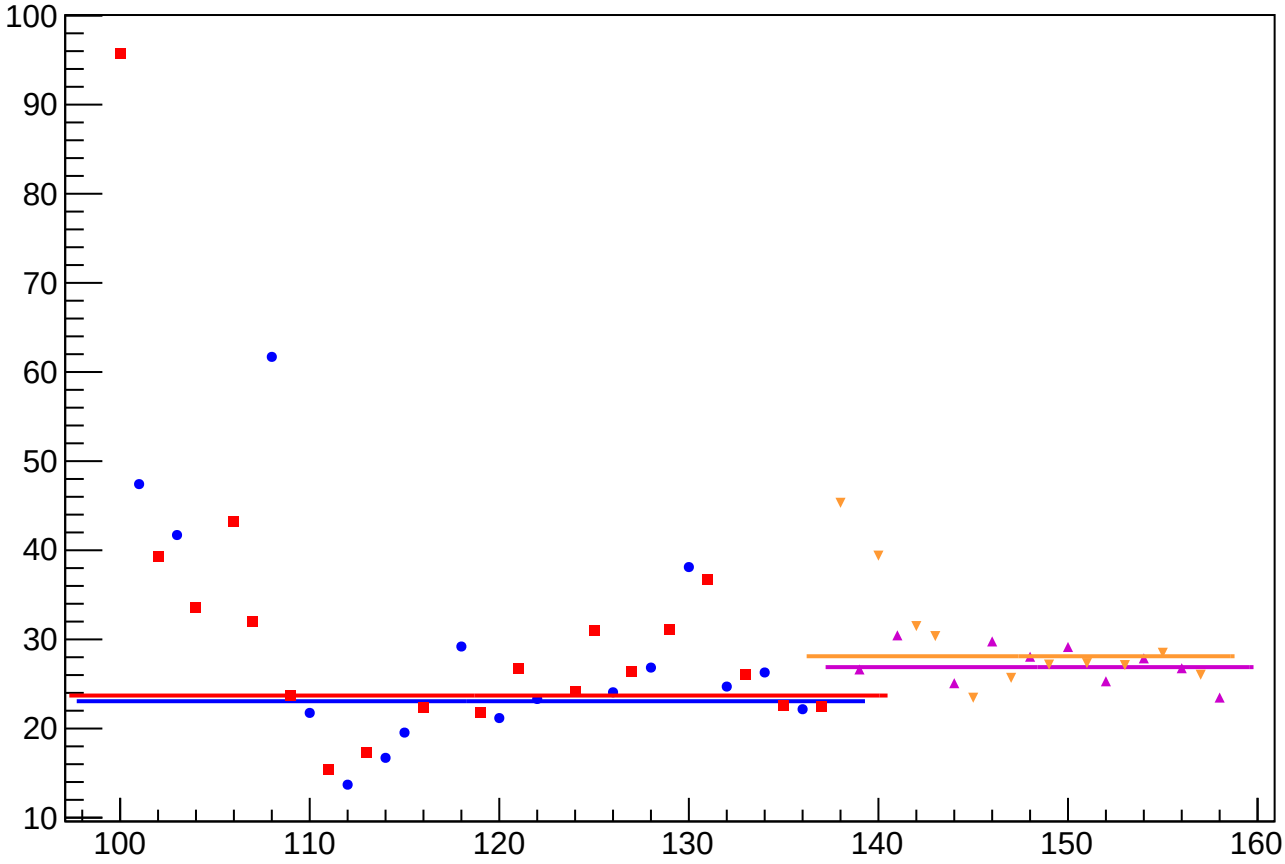
Left In: -0.000+/-0.009 χ^2/NDF:12.5/9

+ sign -0.014+/-0.007 χ^2/NDF: 33.8/26

All: -0.008+/-0.005 χ^2/NDF: 70.2/55

- sign -0.001+/-0.007 χ^2/NDF: 34.6/28

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 28.111+/-0.007 χ^2/NDF:432551.5/10

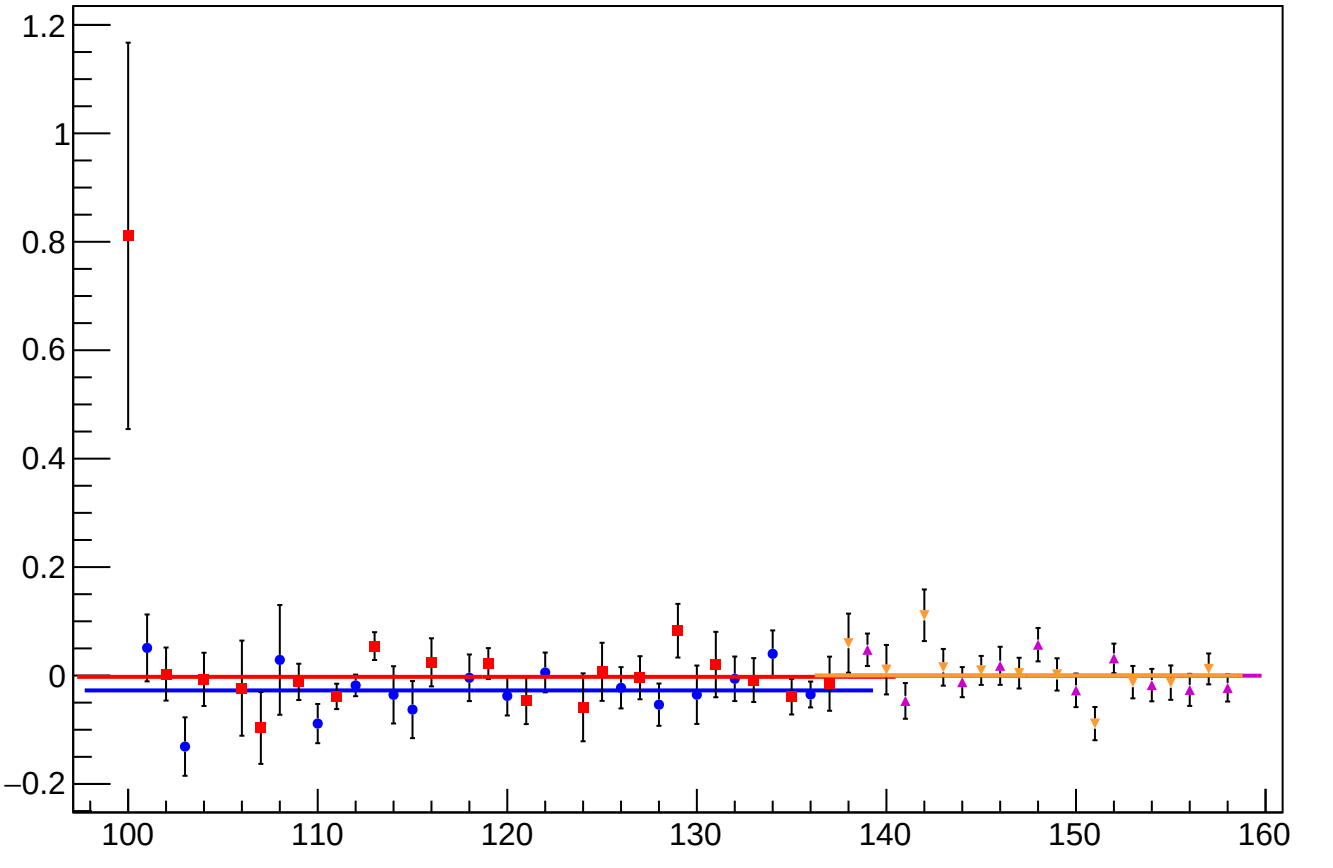
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 26.890+/-0.007 χ^2/NDF:104904.8/9

+ sign 25.469+/-0.005 χ^2/NDF: 2271817.8/26

All: 25.375+/-0.003 χ^2/NDF: 3582894.8/55

- sign 25.286+/-0.005 χ^2/NDF: 1310327.9/28



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.000+/-0.010 χ^2/NDF:16.0/10

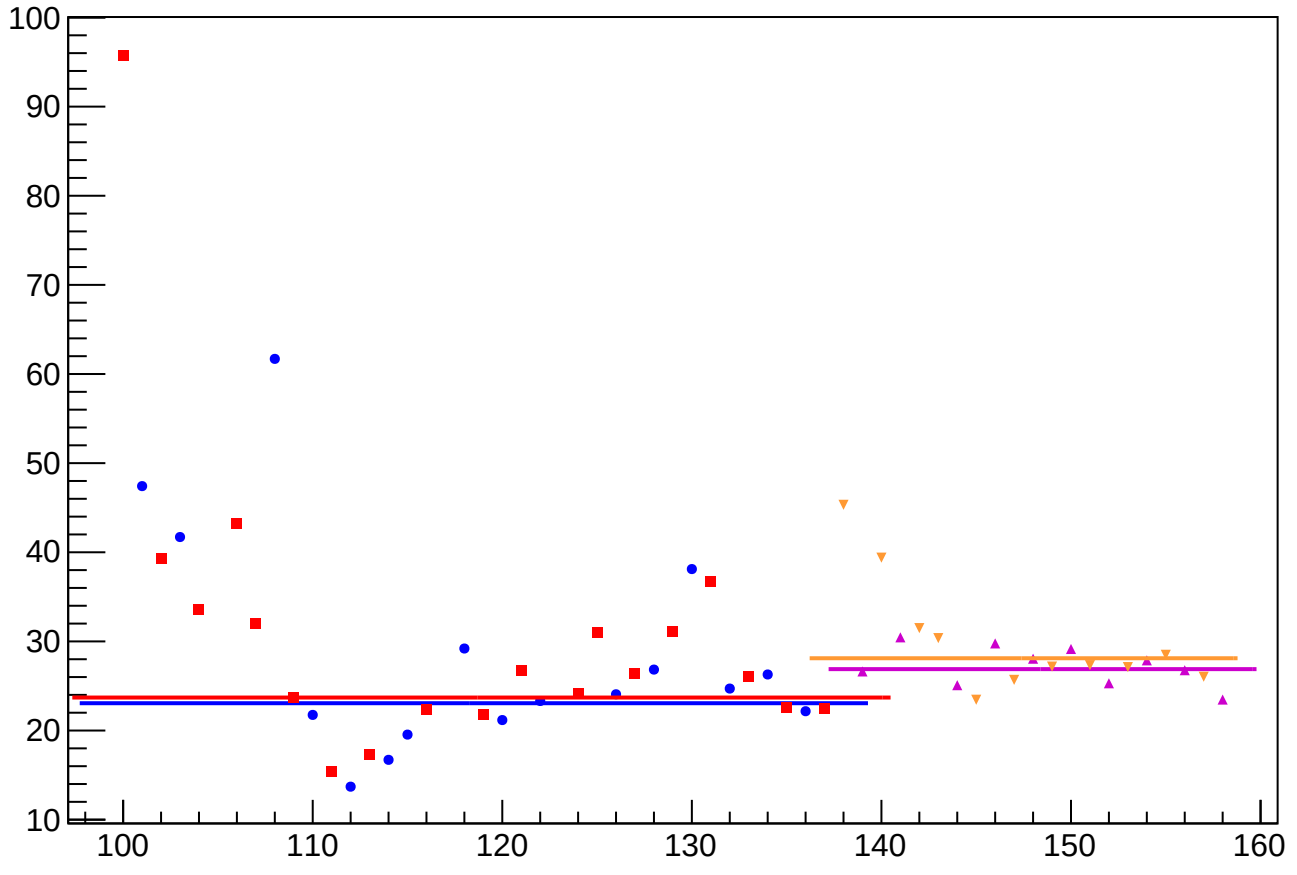
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.000+/-0.009 χ^2/NDF:12.5/9

+ sign -0.014+/-0.007 χ^2/NDF: 33.8/26

All: -0.008+/-0.005 χ^2/NDF: 70.2/55

- sign -0.001+/-0.007 χ^2/NDF: 34.6/28



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 28.111+/-0.007 χ^2/NDF:432551.5/10

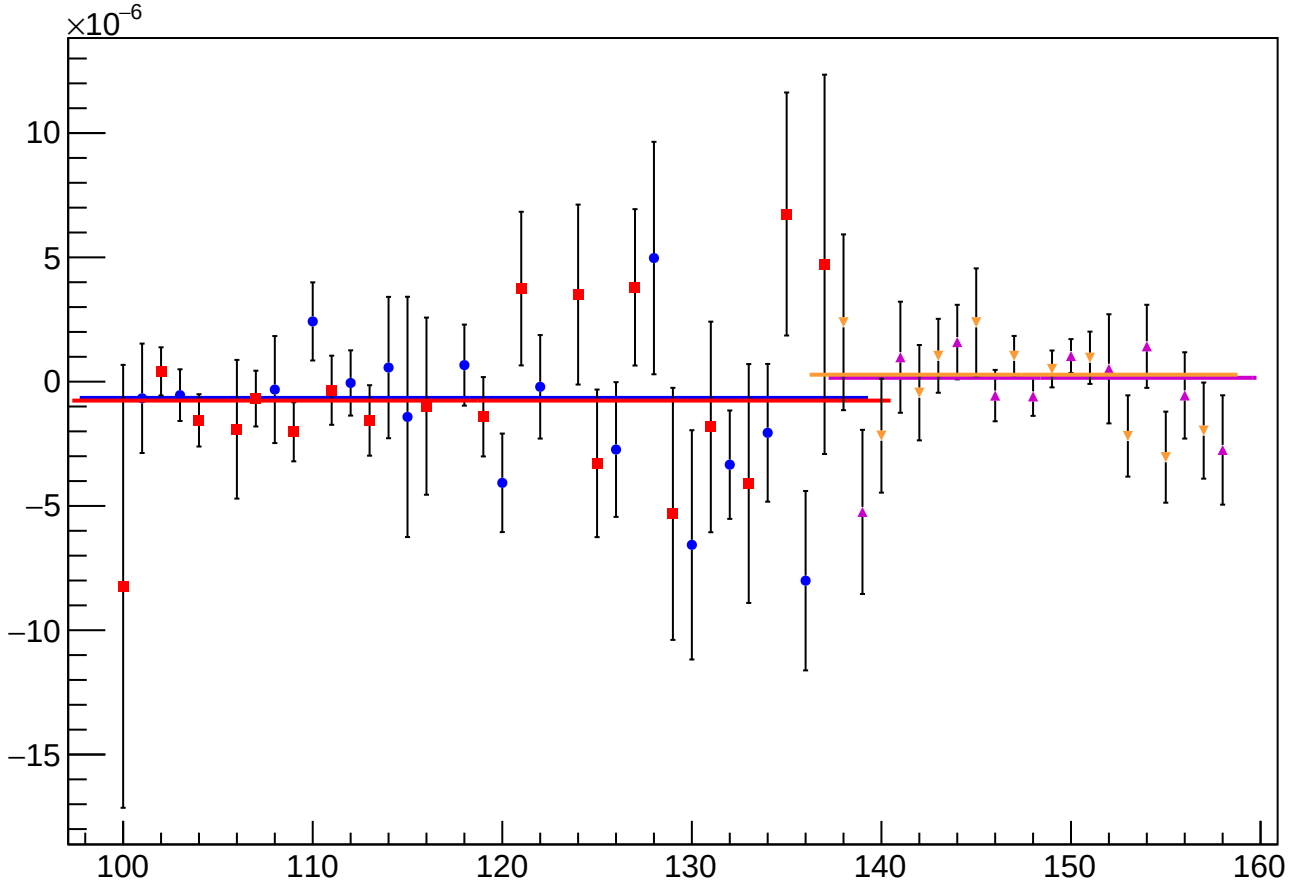
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 26.890+/-0.007 χ^2/NDF:104904.8/9

+ sign 25.469+/-0.005 χ^2/NDF: 2271817.8/26

All: 25.375+/-0.003 χ^2/NDF: 3582894.8/55

- sign 25.286+/-0.005 χ^2/NDF: 1310327.9/28



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.2/10

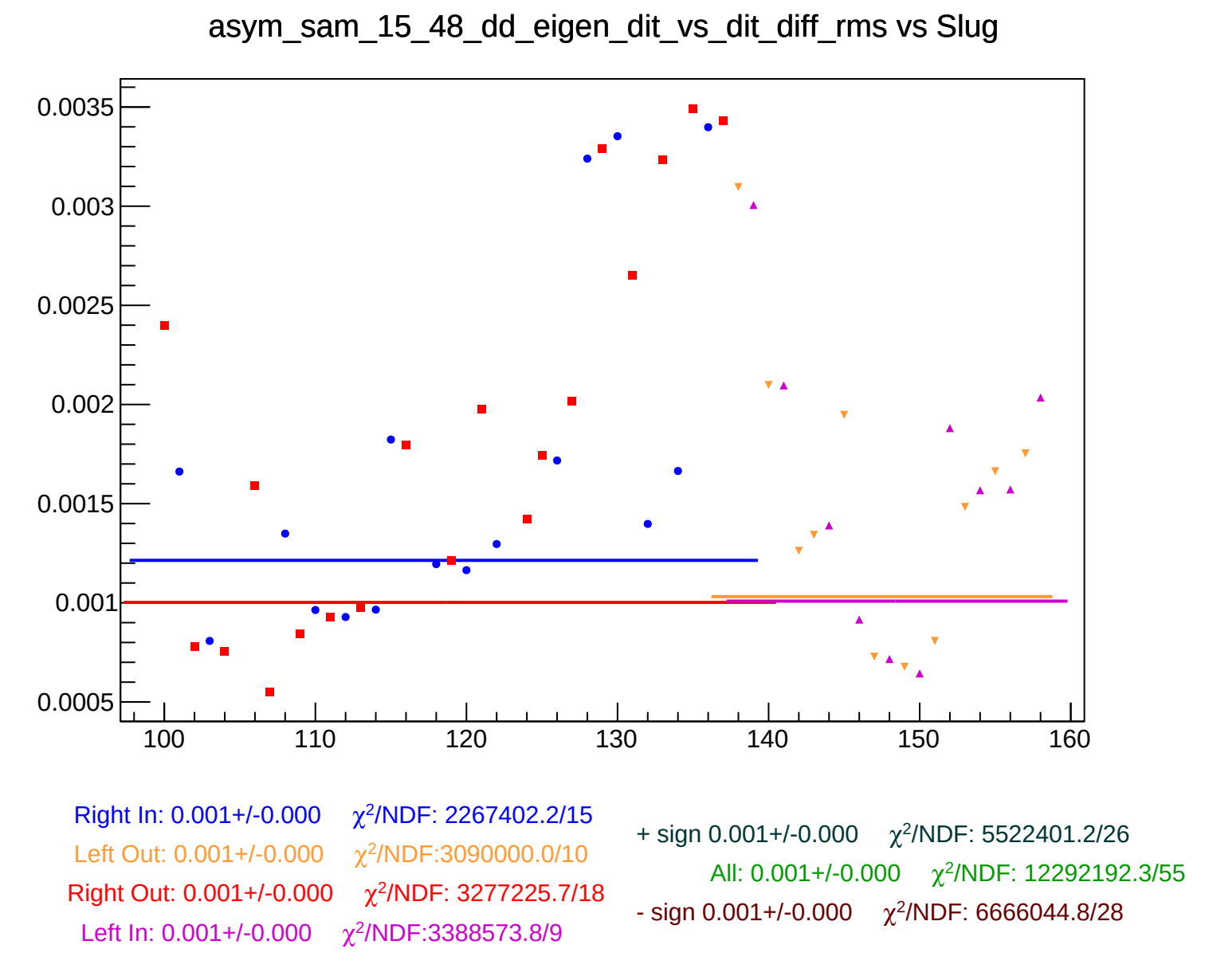
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

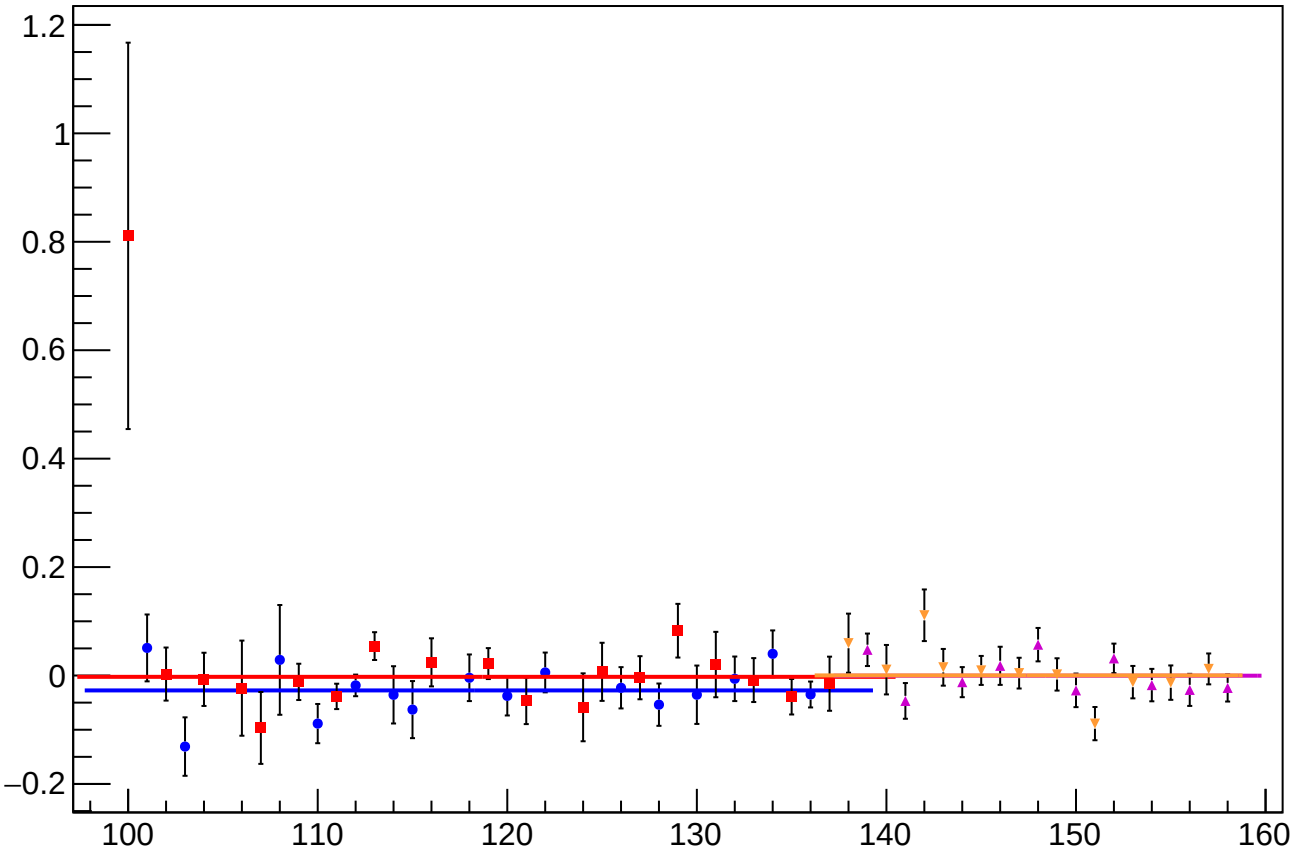
Left In: 0.000+/-0.000 χ^2/NDF:9.3/9

+ sign -0.000+/-0.000 χ^2/NDF: 30.9/26

All: -0.000+/-0.000 χ^2/NDF: 58.1/55

- sign -0.000+/-0.000 χ^2/NDF: 27.0/28


asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 2267402.2/15
Left Out: 0.001+/-0.000 χ²/NDF:3090000.0/10
Right Out: 0.001+/-0.000 χ²/NDF: 3277225.7/18
Left In: 0.001+/-0.000 χ²/NDF:3388573.8/9
+ sign 0.001+/-0.000 χ²/NDF: 5522401.2/26
All: 0.001+/-0.000 χ²/NDF: 12292192.3/55
- sign 0.001+/-0.000 χ²/NDF: 6666044.8/28



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.000+/-0.010 χ^2/NDF:16.0/10

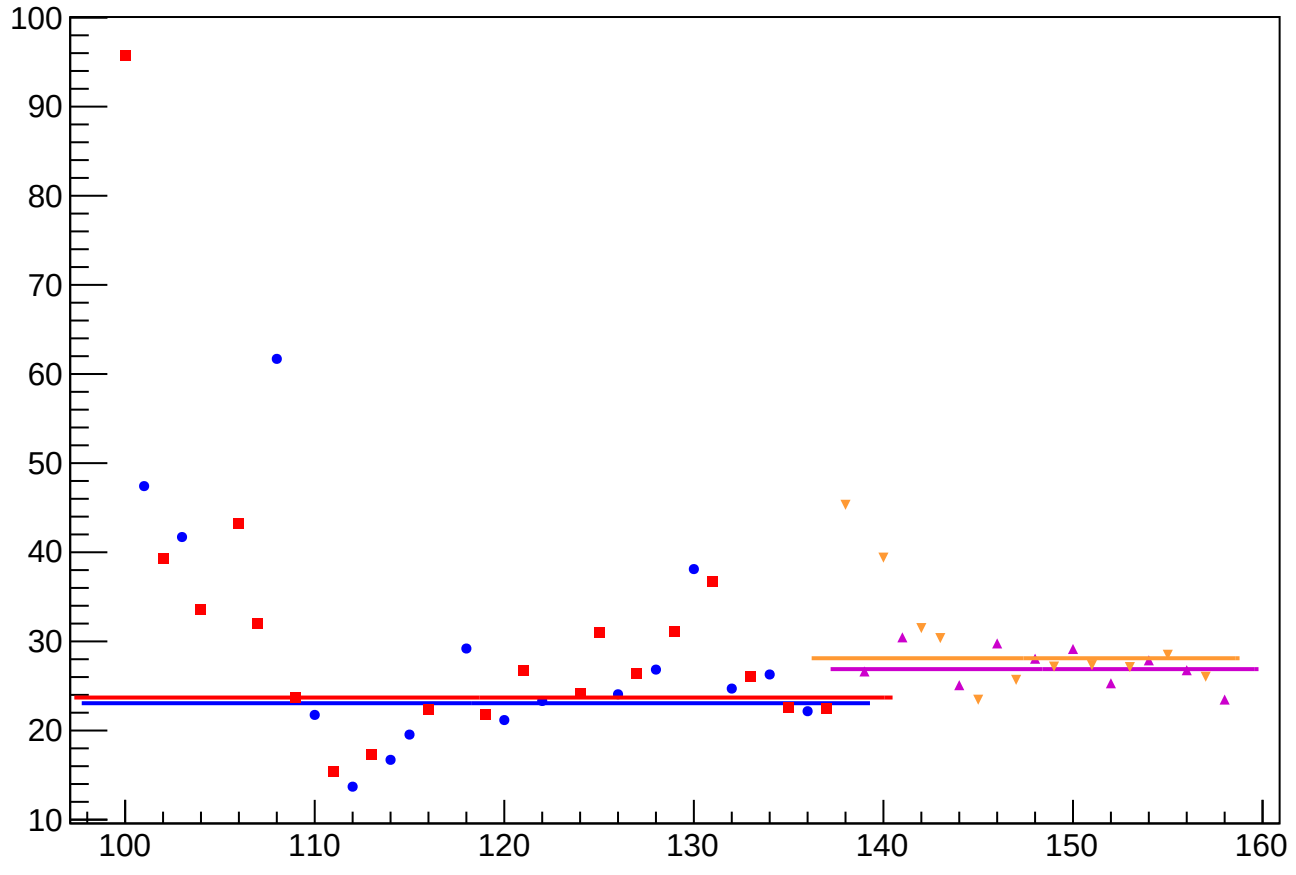
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.000+/-0.009 χ^2/NDF:12.5/9

+ sign -0.014+/-0.007 χ^2/NDF: 33.8/26

All: -0.008+/-0.005 χ^2/NDF: 70.2/55

- sign -0.001+/-0.007 χ^2/NDF: 34.6/28



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 28.111+/-0.007 χ^2/NDF:432509.8/10

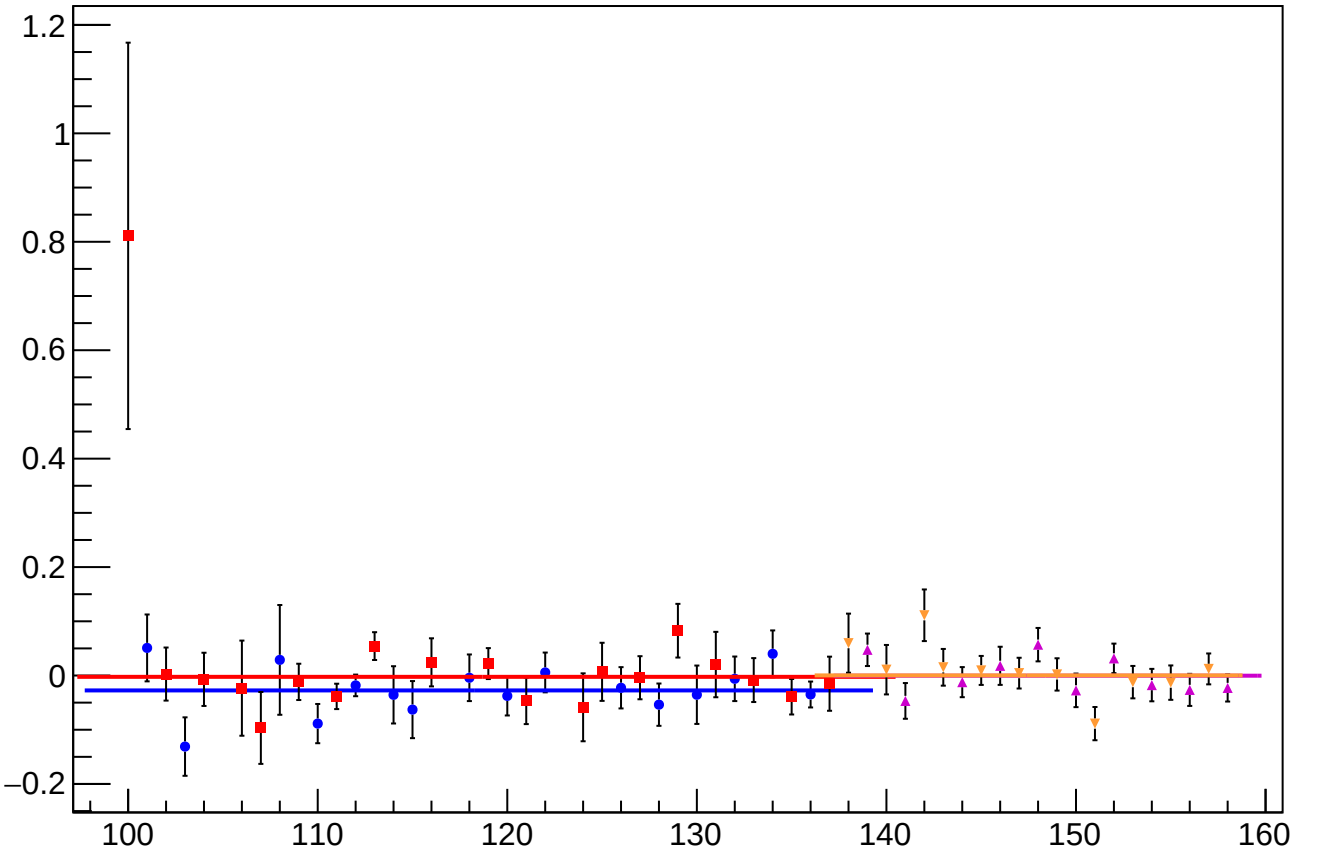
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 26.890+/-0.007 χ^2/NDF:104891.0/9

+ sign 25.469+/-0.005 χ^2/NDF: 2271851.5/26

All: 25.375+/-0.003 χ^2/NDF: 3582988.1/55

- sign 25.286+/-0.005 χ^2/NDF: 1310387.0/28



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.000+/-0.010 χ^2/NDF:16.0/10

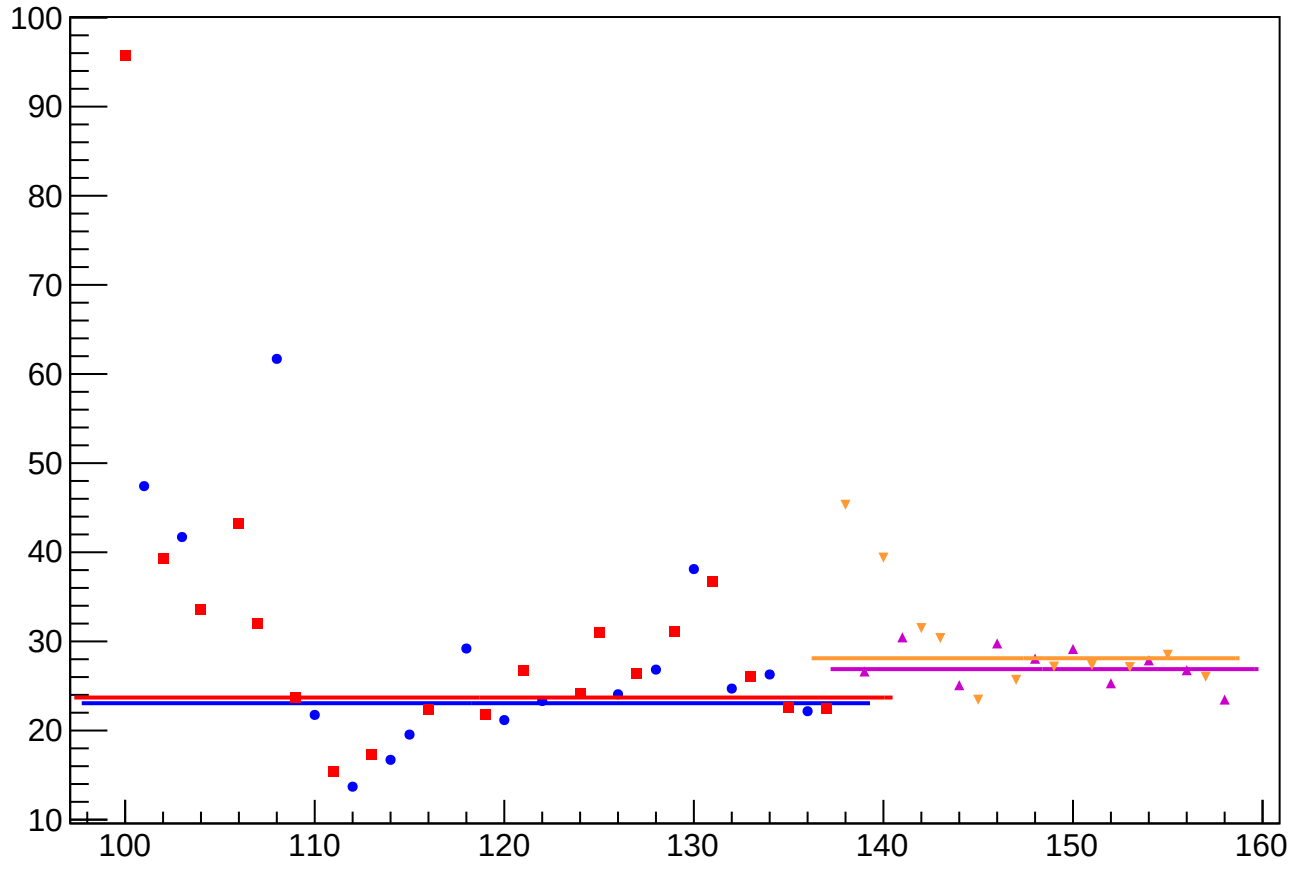
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.000+/-0.009 χ^2/NDF:12.5/9

+ sign -0.014+/-0.007 χ^2/NDF: 33.8/26

All: -0.008+/-0.005 χ^2/NDF: 70.2/55

- sign -0.001+/-0.007 χ^2/NDF: 34.6/28



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 28.111+/-0.007 χ^2/NDF:432509.8/10

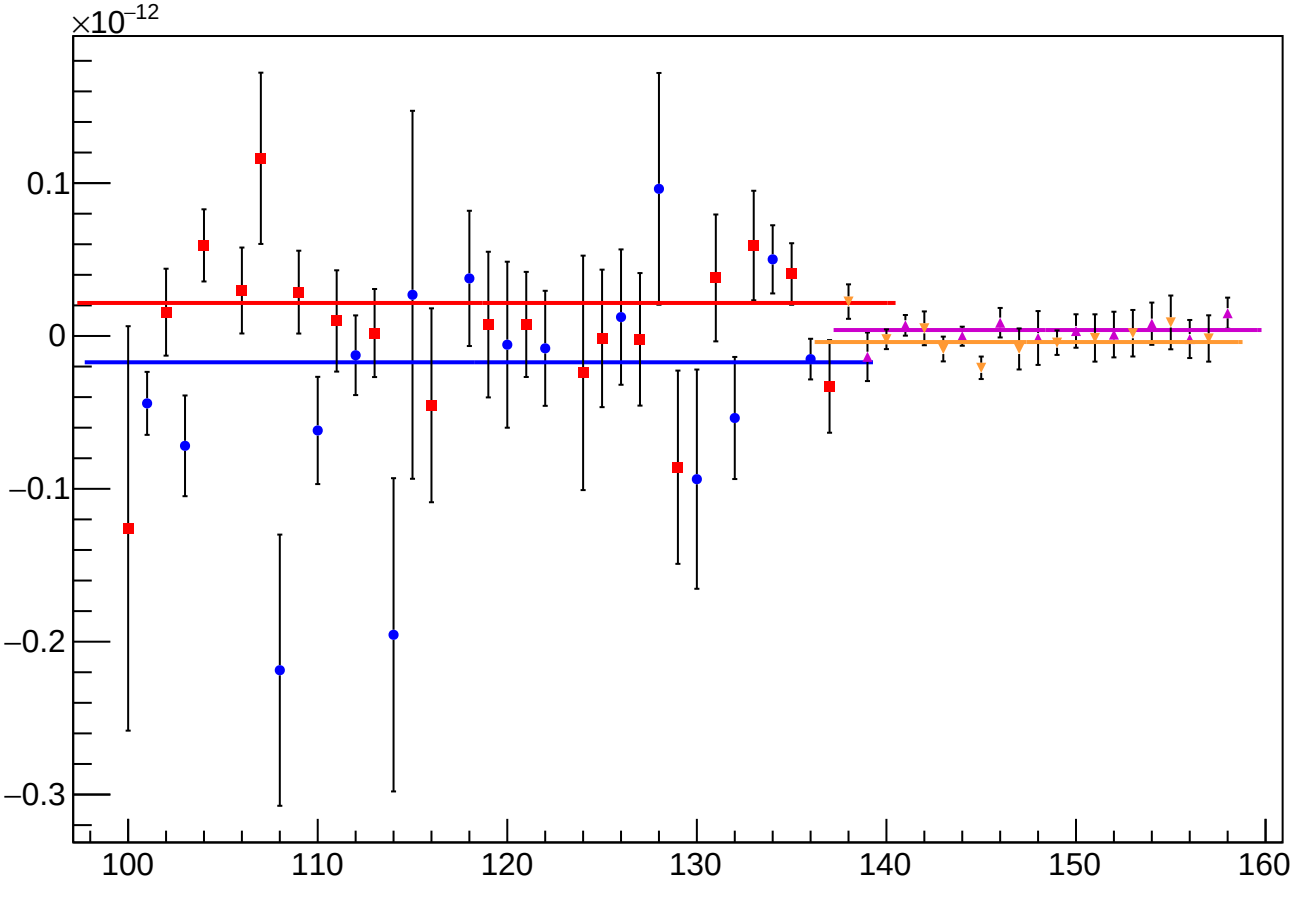
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 26.890+/-0.007 χ^2/NDF:104891.0/9

+ sign 25.469+/-0.005 χ^2/NDF: 2271851.5/26

All: 25.375+/-0.003 χ^2/NDF: 3582988.1/55

- sign 25.286+/-0.005 χ^2/NDF: 1310387.0/28



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.7/10

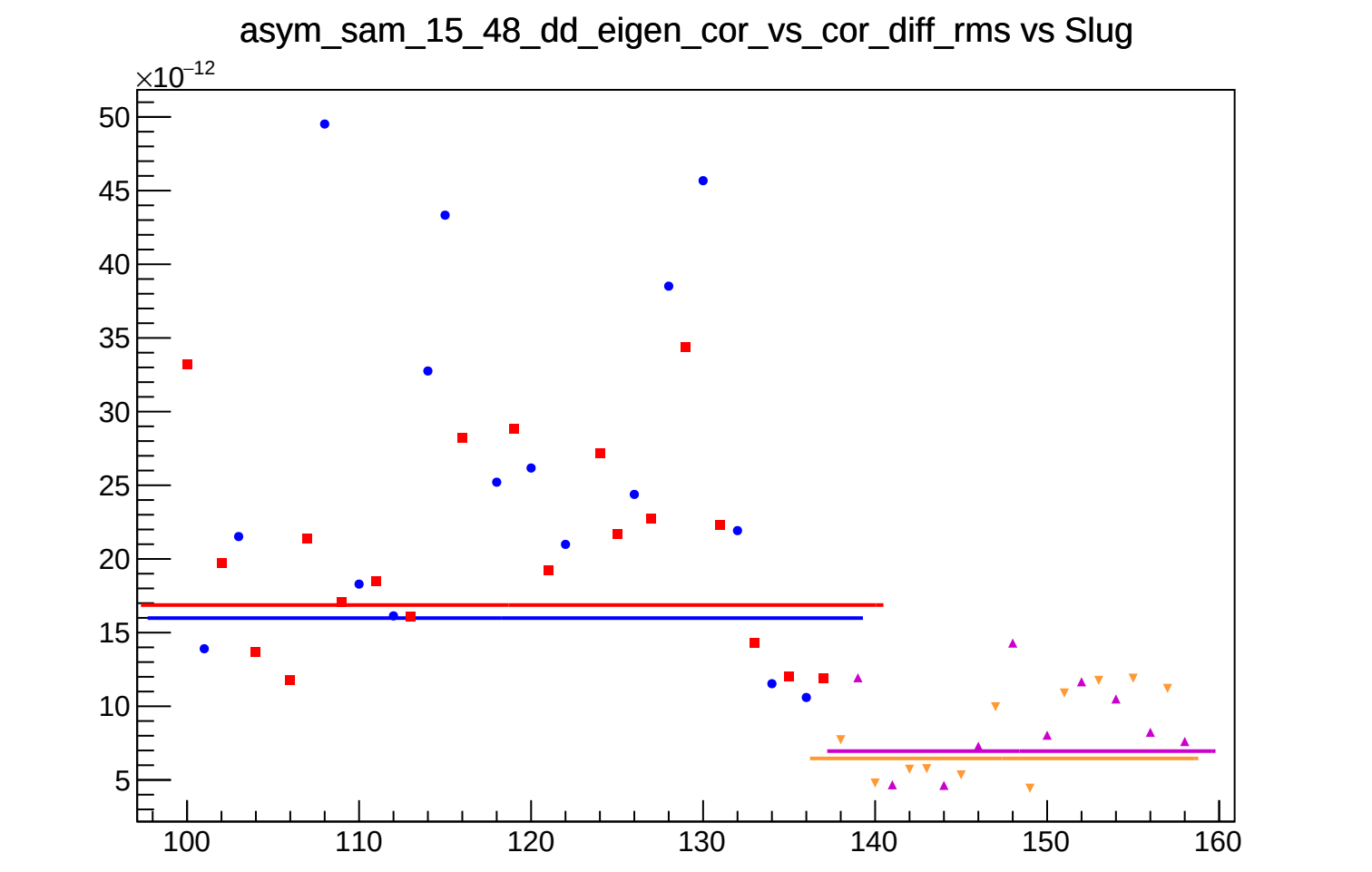
Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: 0.000+/-0.000 χ^2/NDF:3.7/9

+ sign -0.000+/-0.000 χ^2/NDF: 45.1/26

All: 0.000+/-0.000 χ^2/NDF: 79.9/55

- sign 0.000+/-0.000 χ^2/NDF: 26.0/28



Right In: 0.000+/-0.000 χ^2/NDF: 1764617.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1288210.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 835680.3/18

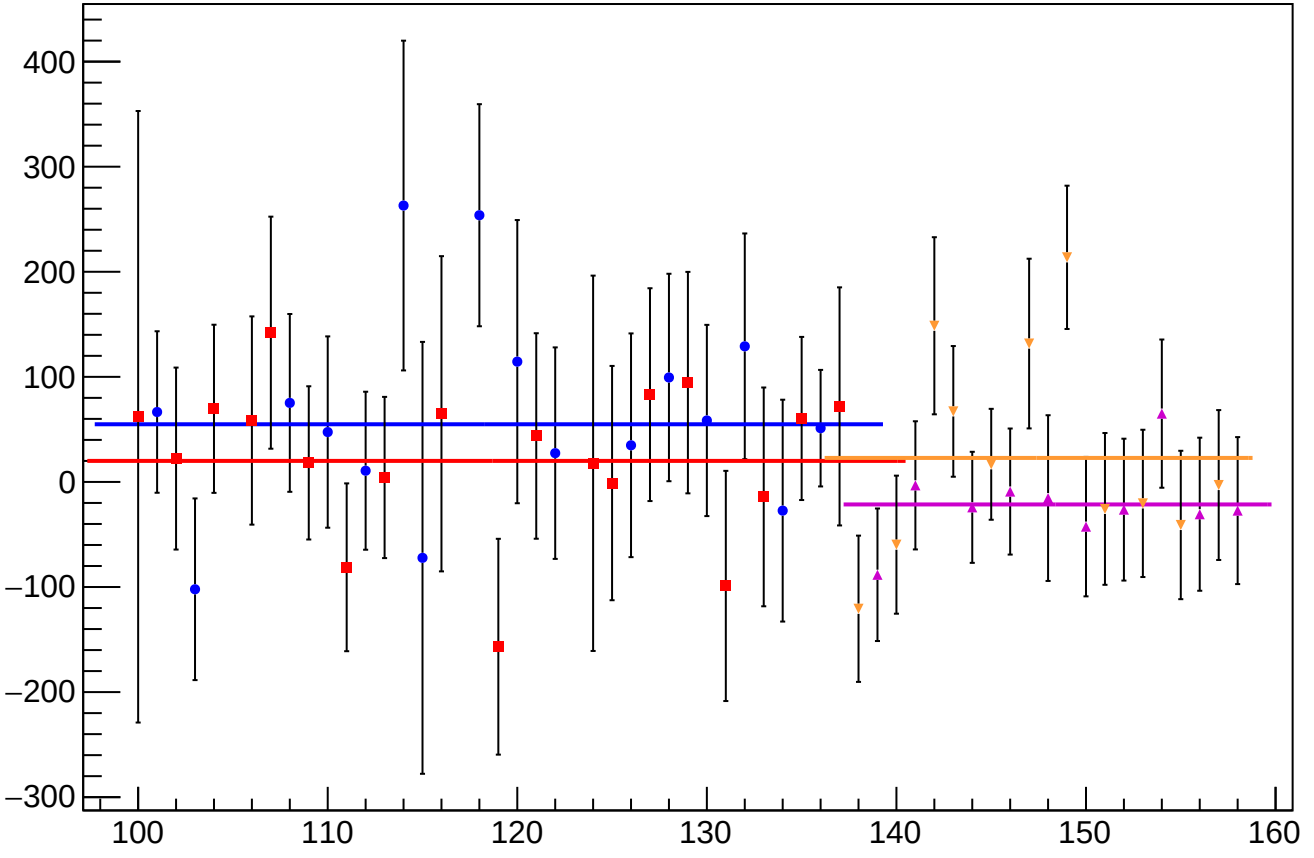
Left In: 0.000+/-0.000 χ^2/NDF:1432054.9/9

+ sign 0.000+/-0.000 χ^2/NDF: 5671154.1/26

All: 0.000+/-0.000 χ^2/NDF: 10706027.0/55

- sign 0.000+/-0.000 χ^2/NDF: 4986204.7/28

reg_asym_sam_37_48_dd_mean vs Slug



Right In: 54.883+/-23.179 χ^2/NDF: 11.0/15

Left Out: 22.849+/-20.595 χ^2/NDF:20.0/10

Right Out: 20.020+/-22.571 χ^2/NDF: 9.2/18

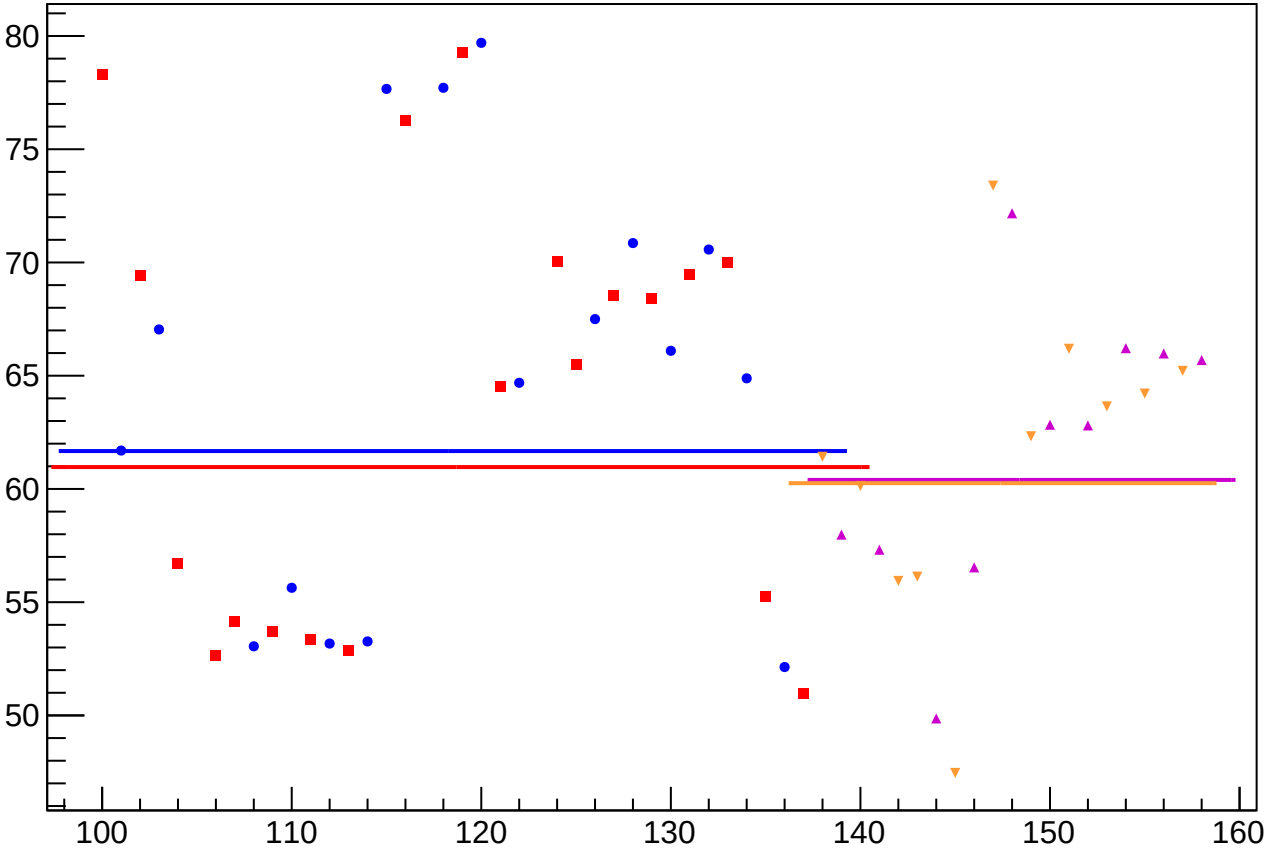
Left In: -21.418+/-20.595 χ^2/NDF:2.9/9

+ sign 36.982+/-15.396 χ^2/NDF: 32.1/26

All: 16.959+/-10.821 χ^2/NDF: 49.4/55

- sign -2.593+/-15.213 χ^2/NDF: 14.0/28

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 60.255+/-0.015 χ^2/NDF:221117.0/10

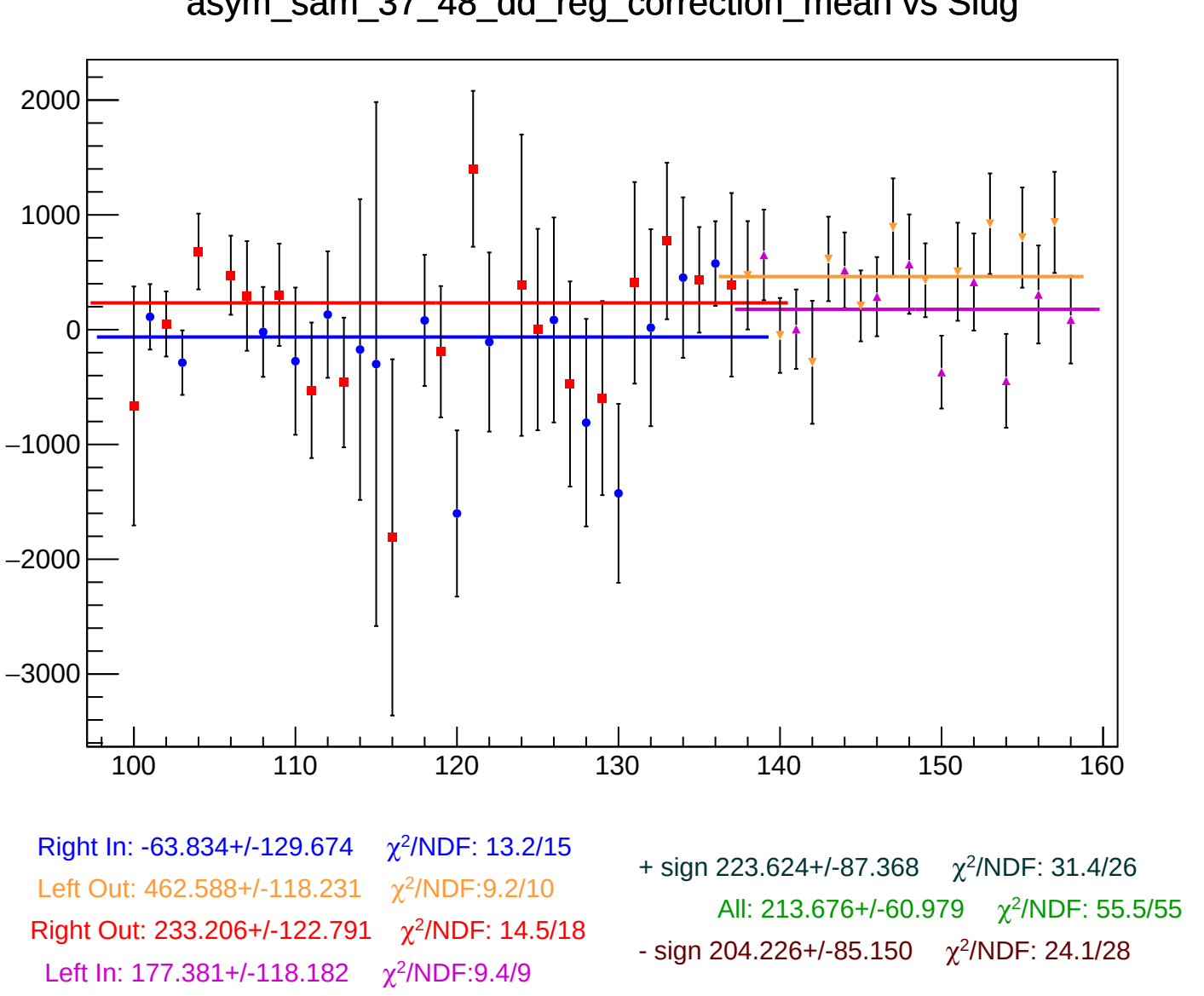
Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 60.398+/-0.015 χ^2/NDF:182387.0/9

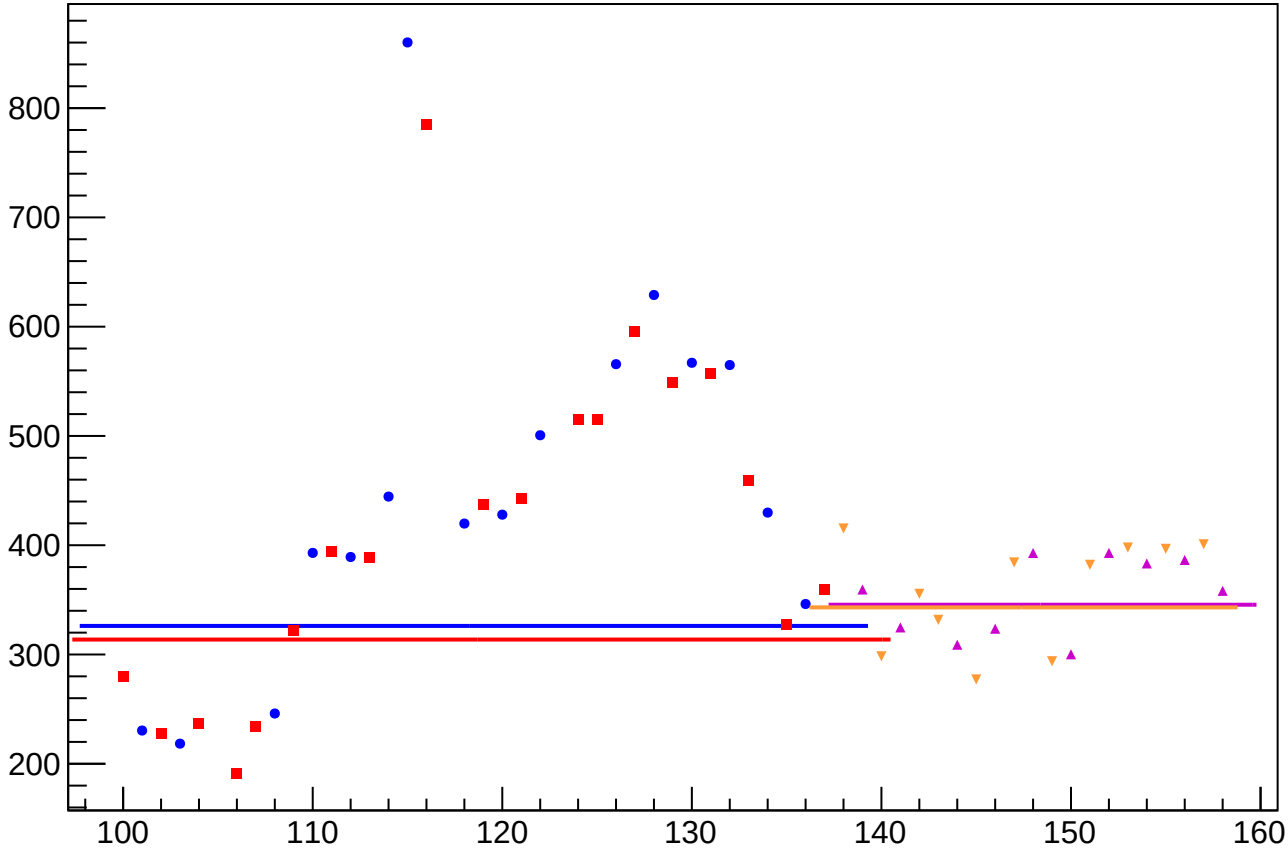
+ sign 60.881+/-0.011 χ^2/NDF: 492406.7/26

All: 60.767+/-0.008 χ^2/NDF: 959883.1/55

- sign 60.656+/-0.011 χ^2/NDF: 467261.9/28


asym_sam_37_48_dd_reg_correction_mean vs Slug
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
Right In: -63.834+/-129.674 χ²/NDF: 13.2/15
Left Out: 462.588+/-118.231 χ²/NDF:9.2/10
Right Out: 233.206+/-122.791 χ²/NDF: 14.5/18
Left In: 177.381+/-118.182 χ²/NDF:9.4/9
+ sign 223.624+/-87.368 χ²/NDF: 31.4/26
All: 213.676+/-60.979 χ²/NDF: 55.5/55
- sign 204.226+/-85.150 χ²/NDF: 24.1/28

asym_sam_37_48_dd_reg_correction_rms vs Slug



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 343.109+/-0.084 χ^2/NDF:356766.7/10

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

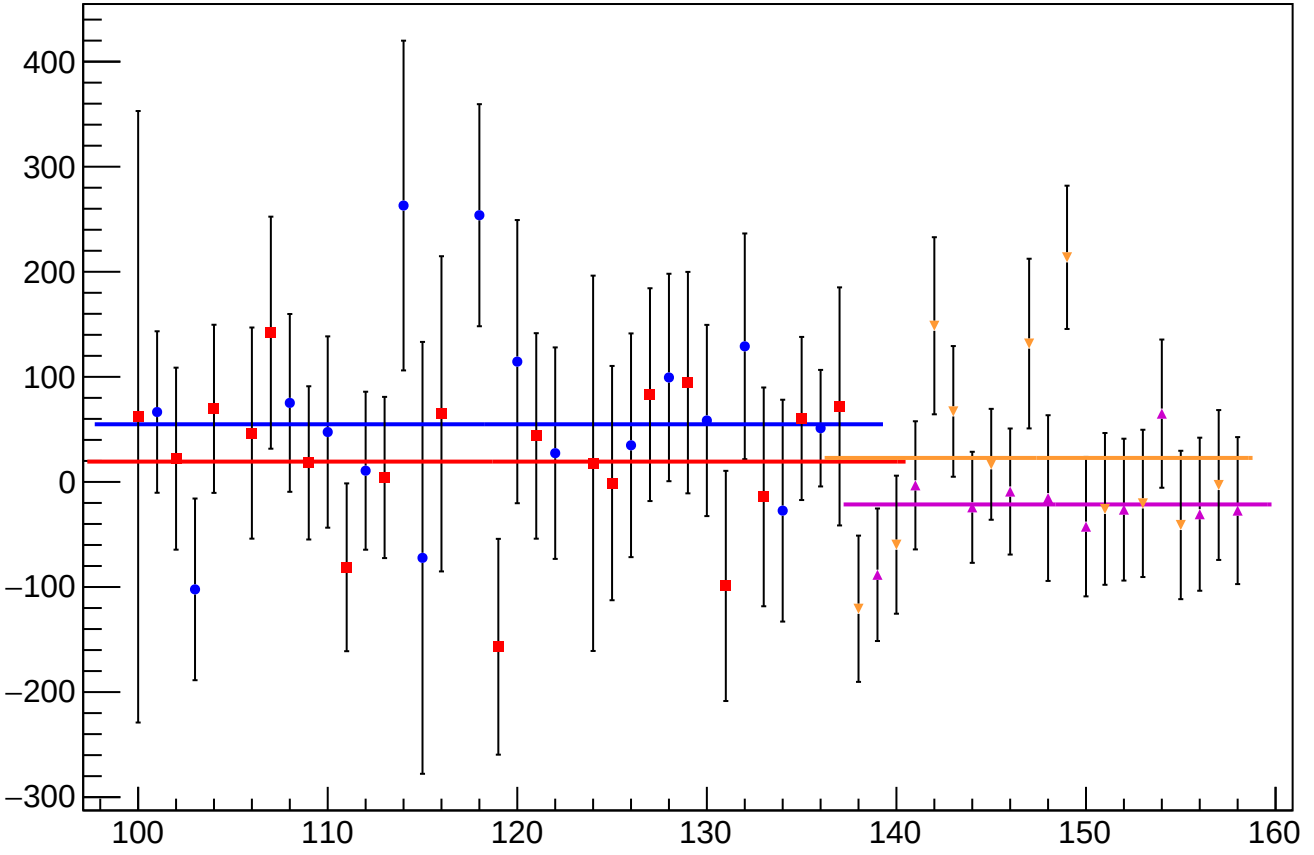
Left In: 345.545+/-0.084 χ^2/NDF:170075.5/9

+ sign 335.410+/-0.062 χ^2/NDF: 2109448.2/26

All: 332.747+/-0.043 χ^2/NDF: 4140448.0/55

- sign 330.218+/-0.060 χ^2/NDF: 2027378.1/28

cor_asym_sam_37_48_dd_mean vs Slug



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 22.847+/-20.595 χ^2/NDF:20.0/10

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

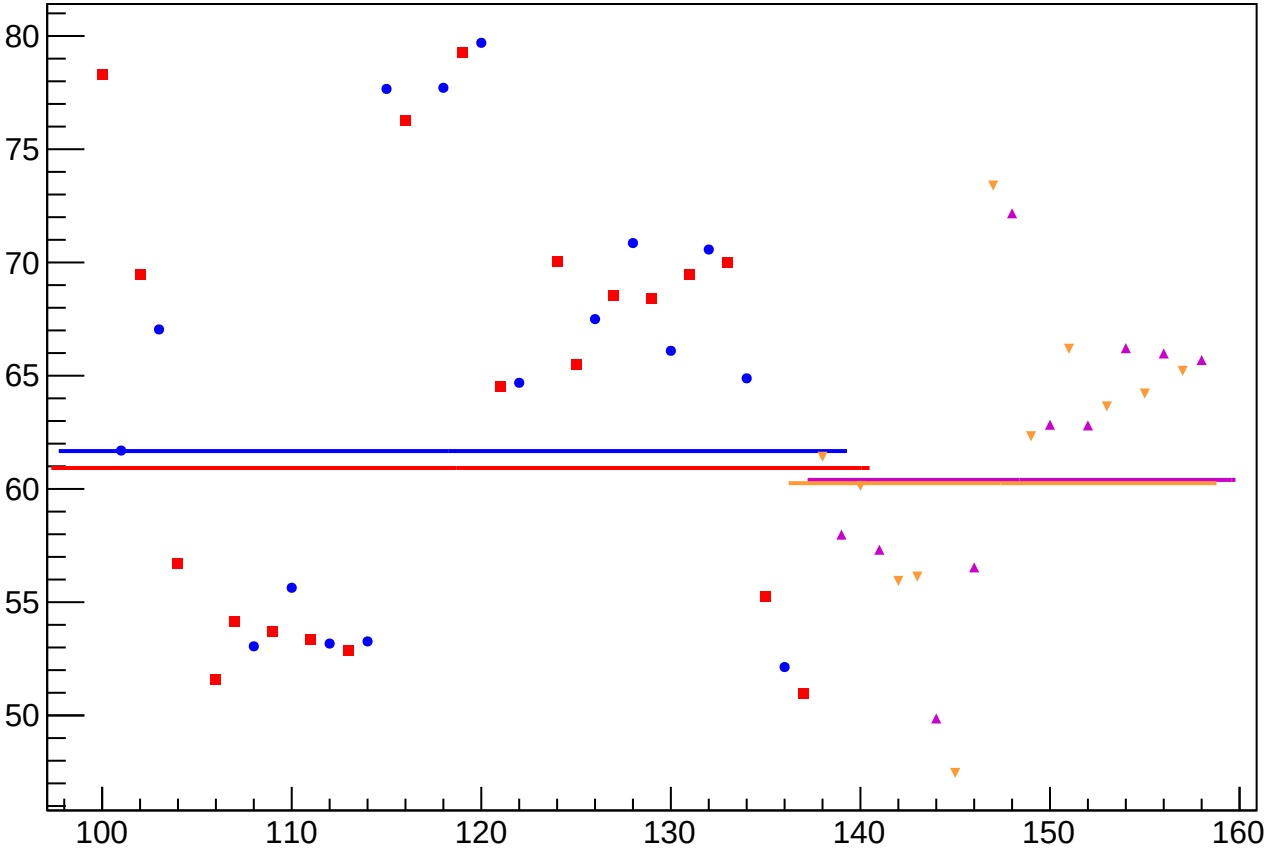
Left In: -21.418+/-20.595 χ^2/NDF:2.9/9

+ sign 36.978+/-15.396 χ^2/NDF: 32.1/26

All: 16.803+/-10.823 χ^2/NDF: 49.3/55

- sign -2.910+/-15.218 χ^2/NDF: 13.8/28

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 60.255+/-0.015 χ^2/NDF:221117.0/10

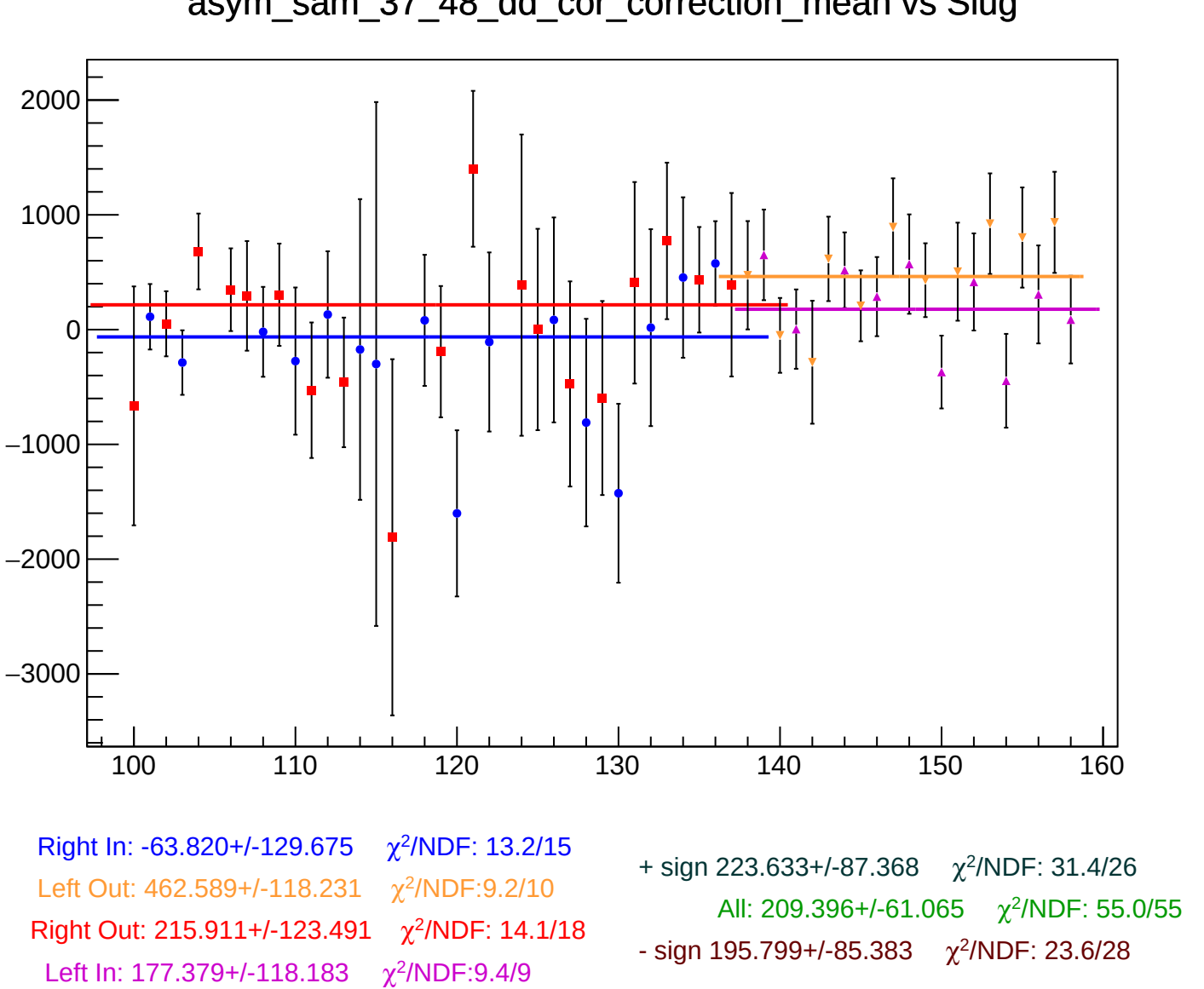
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 60.398+/-0.015 χ^2/NDF:182387.0/9

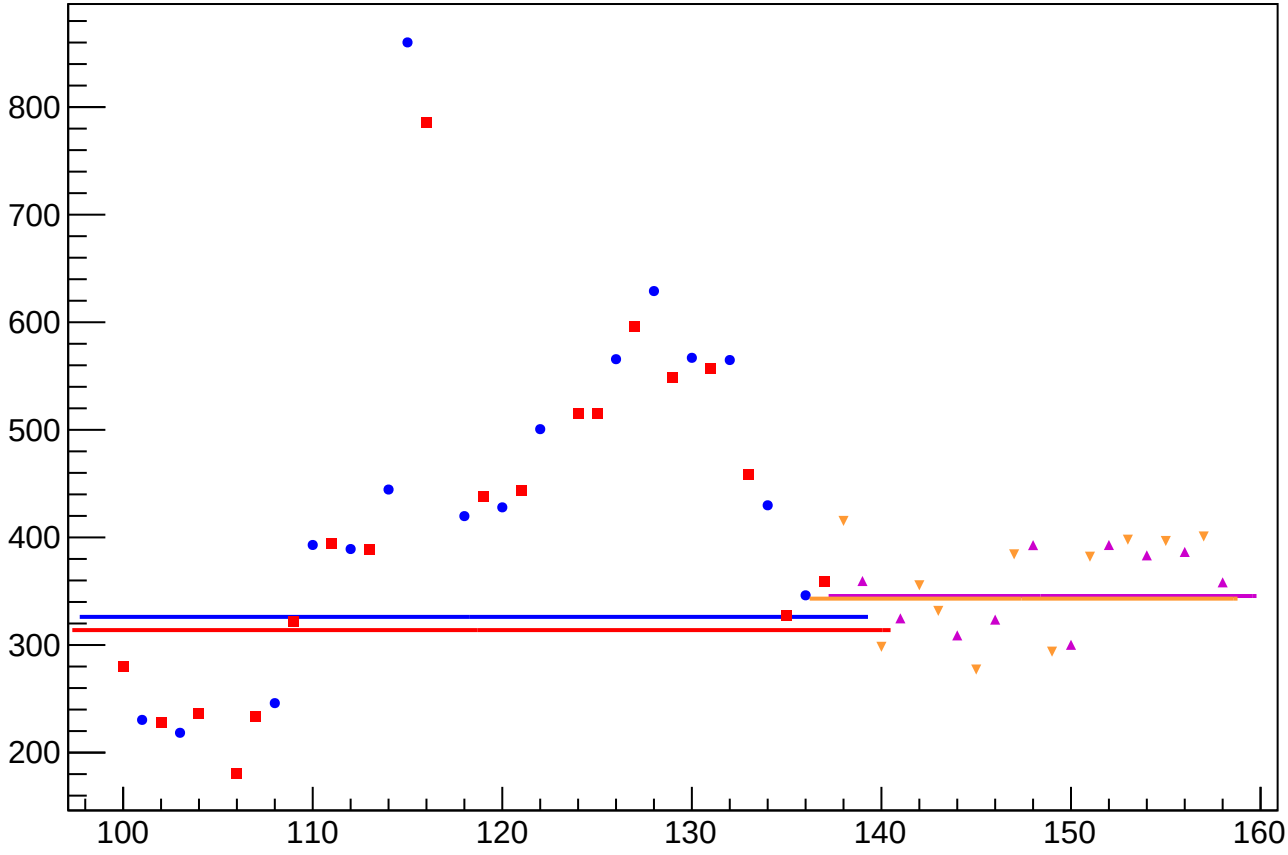
+ sign 60.881+/-0.011 χ^2/NDF: 492406.9/26

All: 60.758+/-0.008 χ^2/NDF: 963220.6/55

- sign 60.638+/-0.011 χ^2/NDF: 470561.9/28


asym_sam_37_48_dd_cor_correction_mean vs Slug
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
Right In: -63.820+/-129.675 χ²/NDF: 13.2/15
Left Out: 462.589+/-118.231 χ²/NDF:9.2/10
Right Out: 215.911+/-123.491 χ²/NDF: 14.1/18
Left In: 177.379+/-118.183 χ²/NDF:9.4/9
+ sign 223.633+/-87.368 χ²/NDF: 31.4/26
All: 209.396+/-61.065 χ²/NDF: 55.0/55
- sign 195.799+/-85.383 χ²/NDF: 23.6/28

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 343.109+/-0.084 χ^2/NDF:356767.0/10

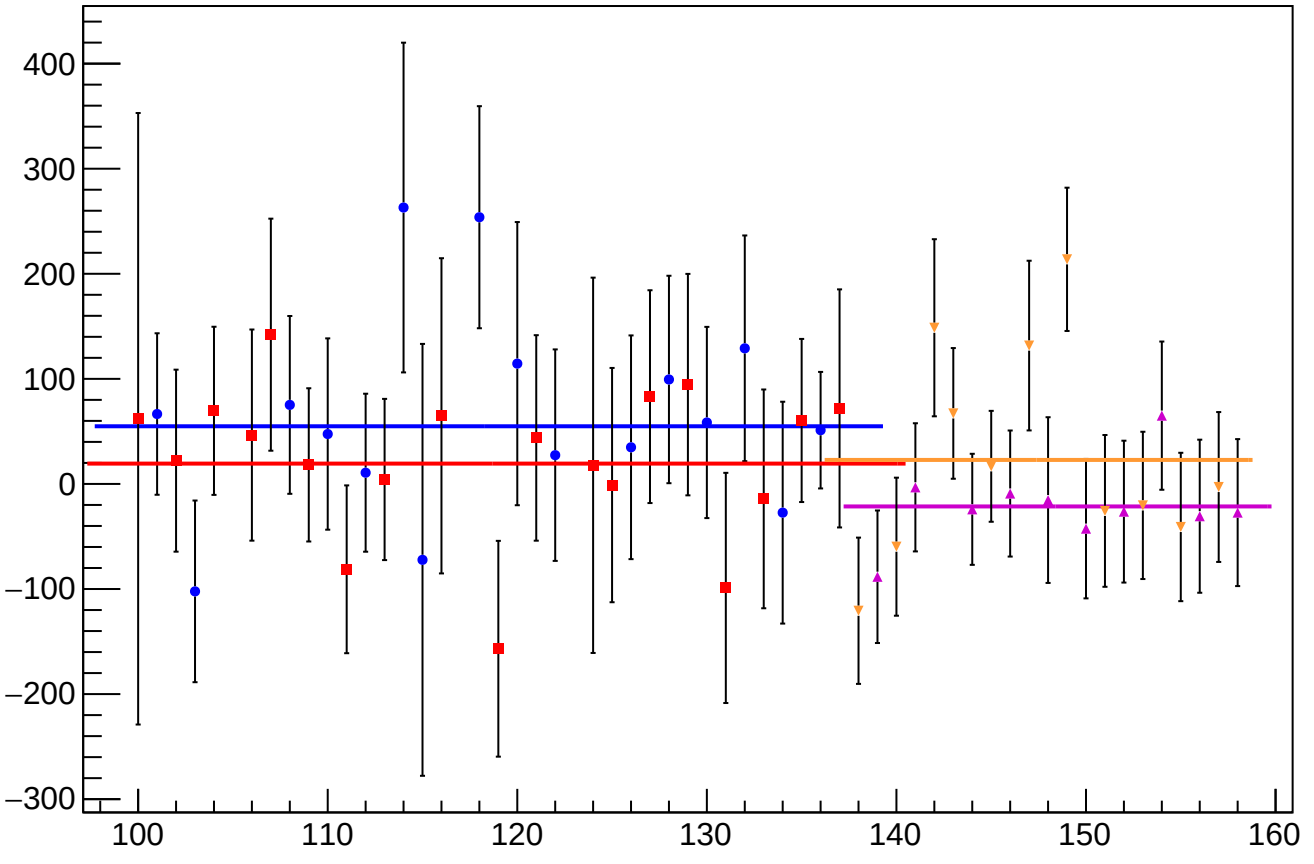
Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 345.546+/-0.084 χ^2/NDF:170073.6/9

+ sign 335.411+/-0.062 χ^2/NDF: 2109381.3/26

All: 332.847+/-0.043 χ^2/NDF: 4157322.5/55

- sign 330.399+/-0.060 χ^2/NDF: 2044574.6/28



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 22.847+/-20.595 χ^2/NDF:20.0/10

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

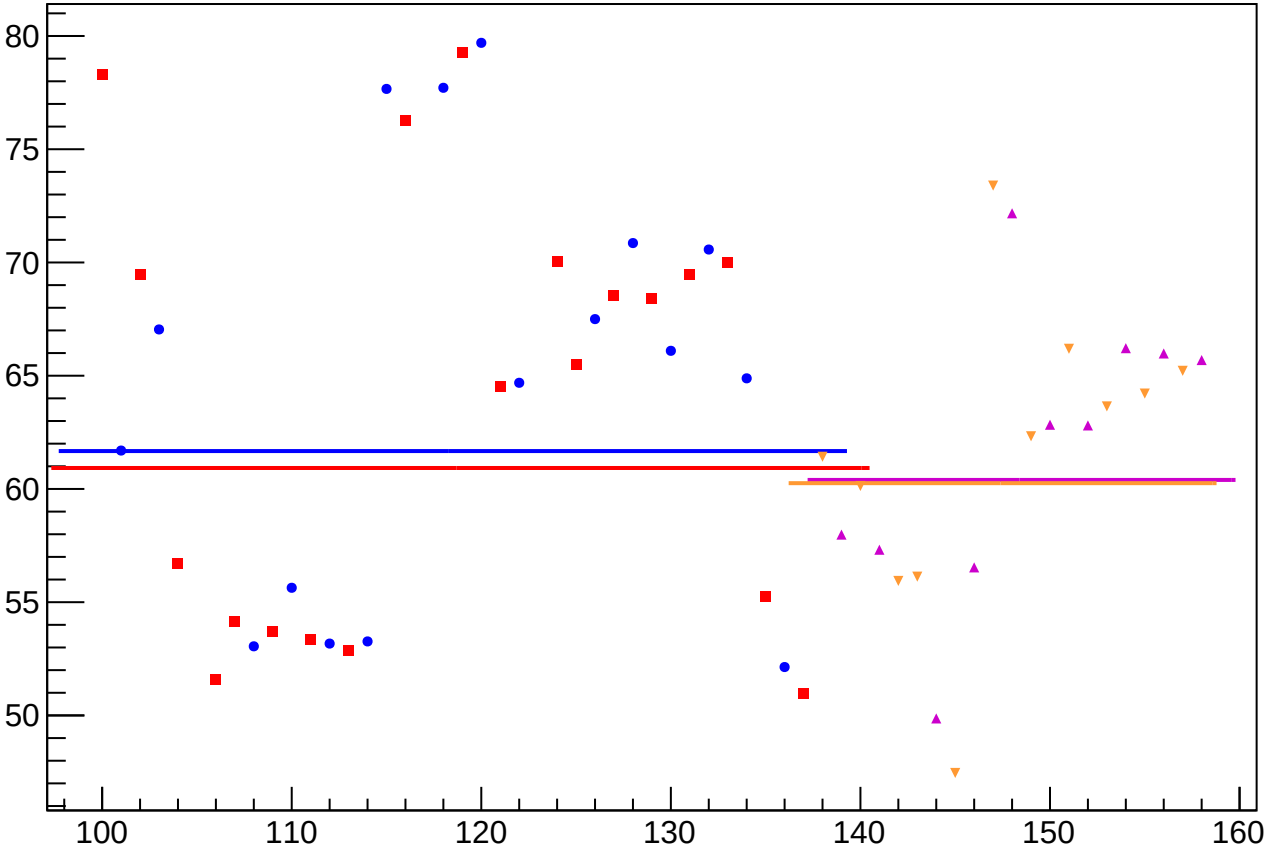
Left In: -21.418+/-20.595 χ^2/NDF:2.9/9

+ sign 36.978+/-15.396 χ^2/NDF: 32.1/26

All: 16.803+/-10.823 χ^2/NDF: 49.3/55

- sign -2.910+/-15.218 χ^2/NDF: 13.8/28

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 60.255+/-0.015 χ^2/NDF:221117.0/10

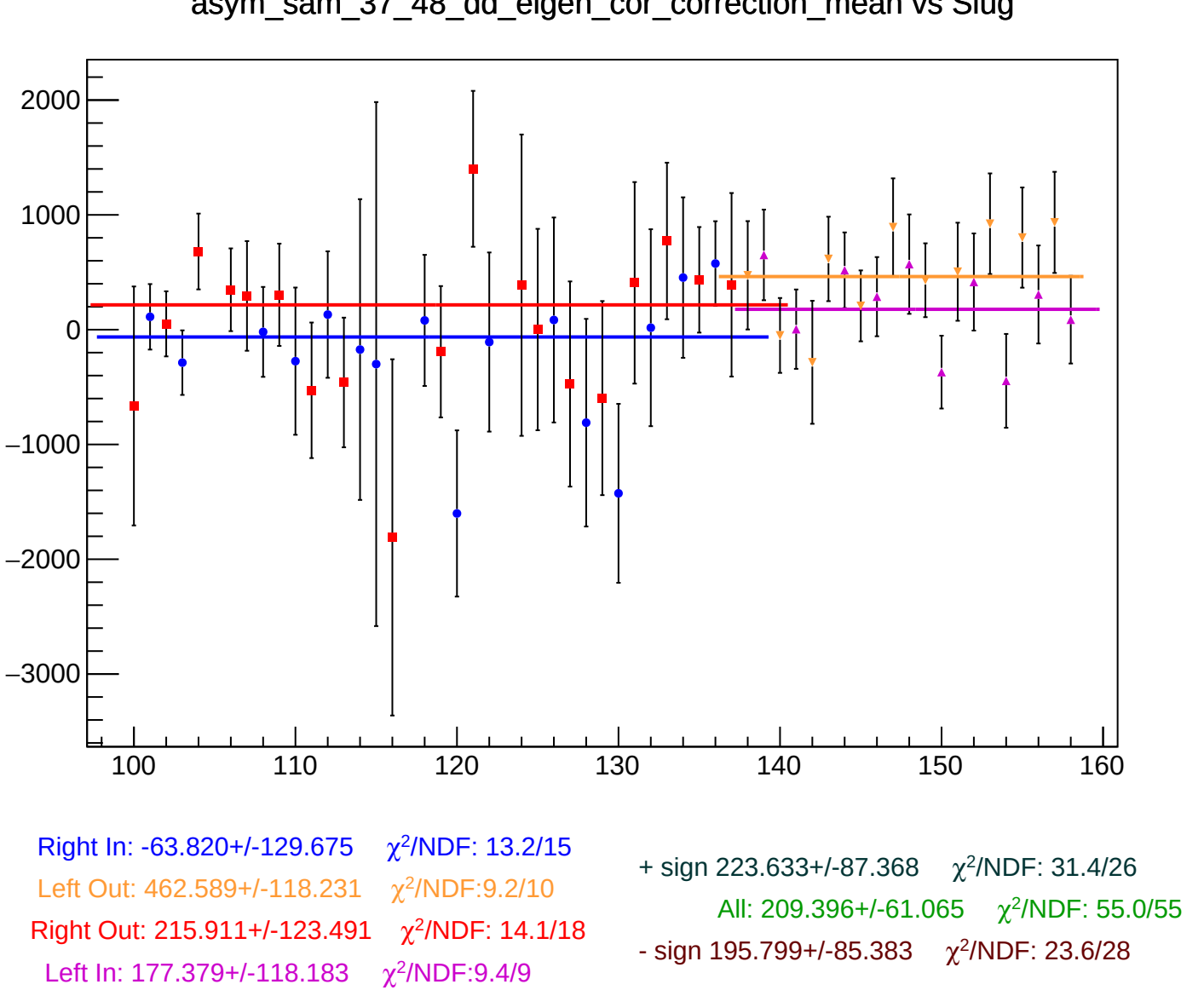
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

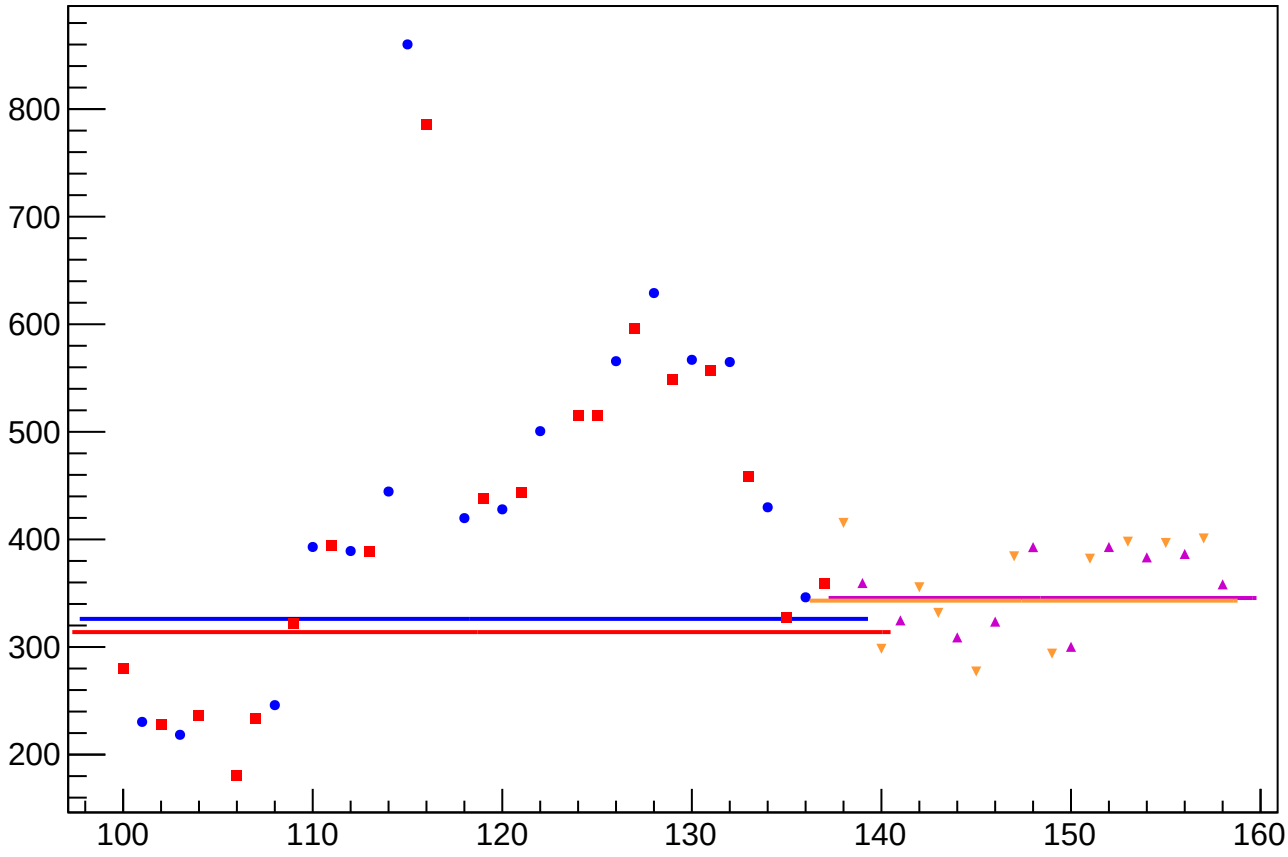
Left In: 60.398+/-0.015 χ^2/NDF:182387.0/9

+ sign 60.881+/-0.011 χ^2/NDF: 492406.9/26

All: 60.758+/-0.008 χ^2/NDF: 963220.6/55

- sign 60.638+/-0.011 χ^2/NDF: 470561.9/28


asym_sam_37_48_dd_eigen_cor_correction_mean vs Slug
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
Right In: -63.820+/-129.675 χ²/NDF: 13.2/15
Left Out: 462.589+/-118.231 χ²/NDF:9.2/10
Right Out: 215.911+/-123.491 χ²/NDF: 14.1/18
Left In: 177.379+/-118.183 χ²/NDF:9.4/9
+ sign 223.633+/-87.368 χ²/NDF: 31.4/26
All: 209.396+/-61.065 χ²/NDF: 55.0/55
- sign 195.799+/-85.383 χ²/NDF: 23.6/28



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 343.109+/-0.084 χ^2/NDF:356767.0/10

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

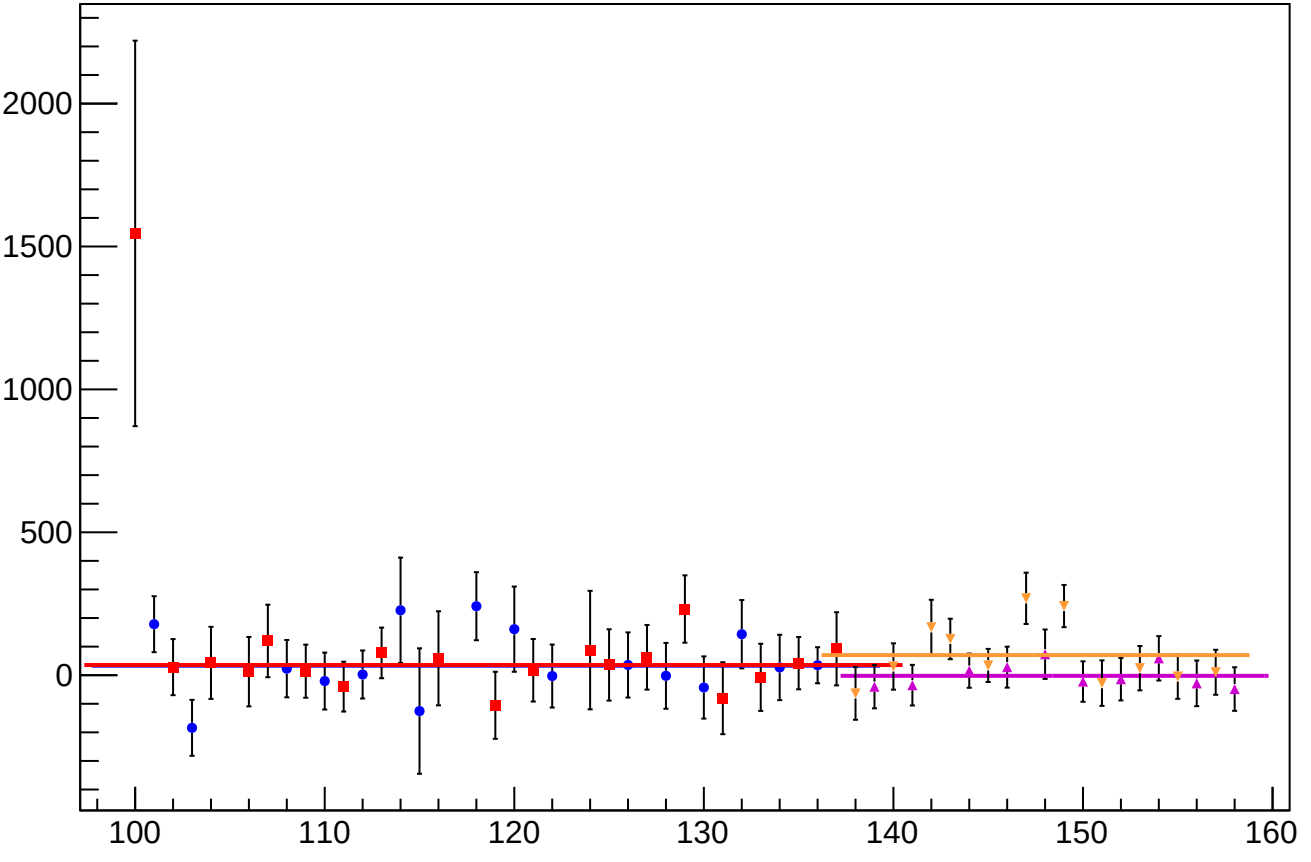
Left In: 345.546+/-0.084 χ^2/NDF:170073.6/9

+ sign 335.411+/-0.062 χ^2/NDF: 2109381.3/26

All: 332.847+/-0.043 χ^2/NDF: 4157322.5/55

- sign 330.399+/-0.060 χ^2/NDF: 2044574.6/28

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 70.325+/-23.364 χ^2/NDF:18.1/10

Right Out: 35.576+/-26.536 χ^2/NDF: 12.1/18

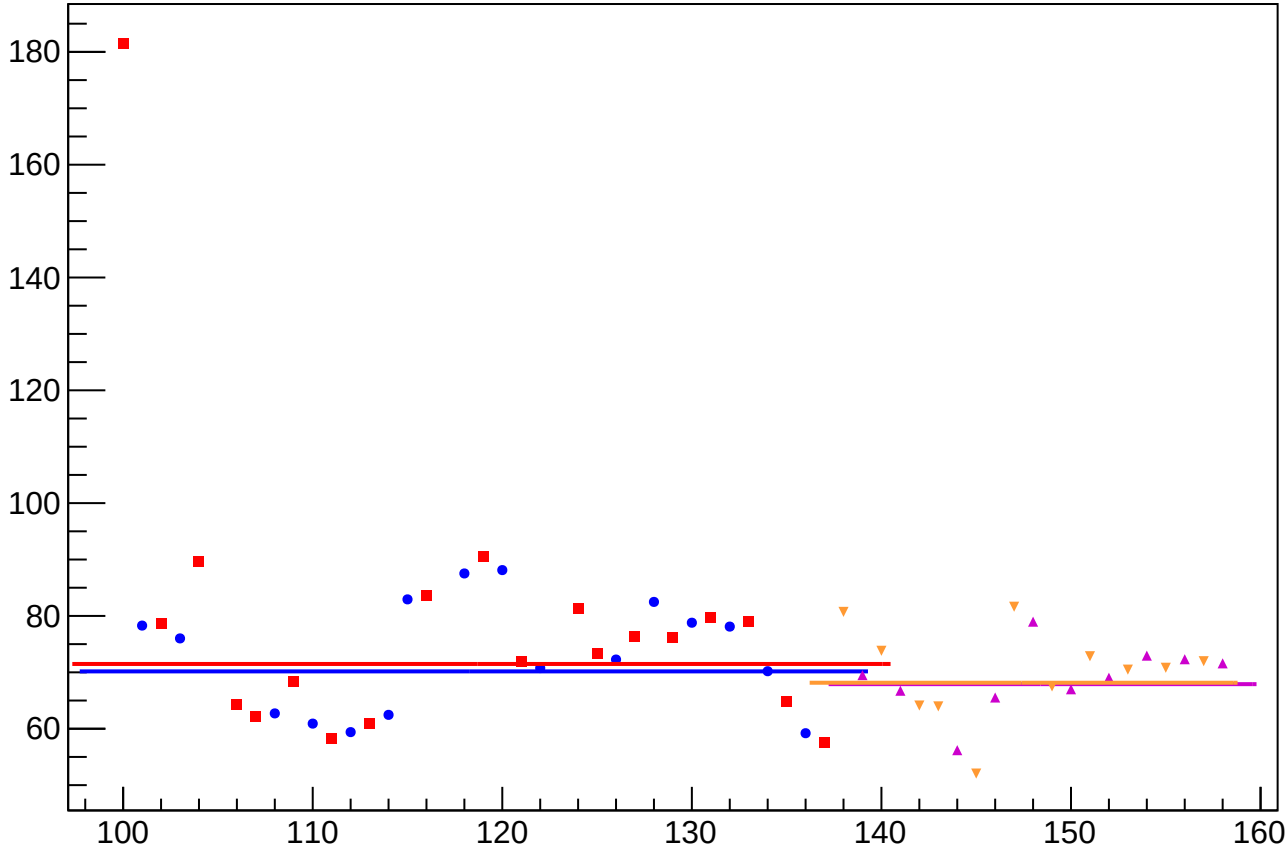
Left In: -2.211+/-23.216 χ^2/NDF:2.7/9

+ sign 54.116+/-17.501 χ^2/NDF: 33.7/26

All: 34.112+/-12.365 χ^2/NDF: 52.3/55

- sign 14.172+/-17.473 χ^2/NDF: 16.0/28

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 68.156+/-0.017 χ^2/NDF:273057.8/10

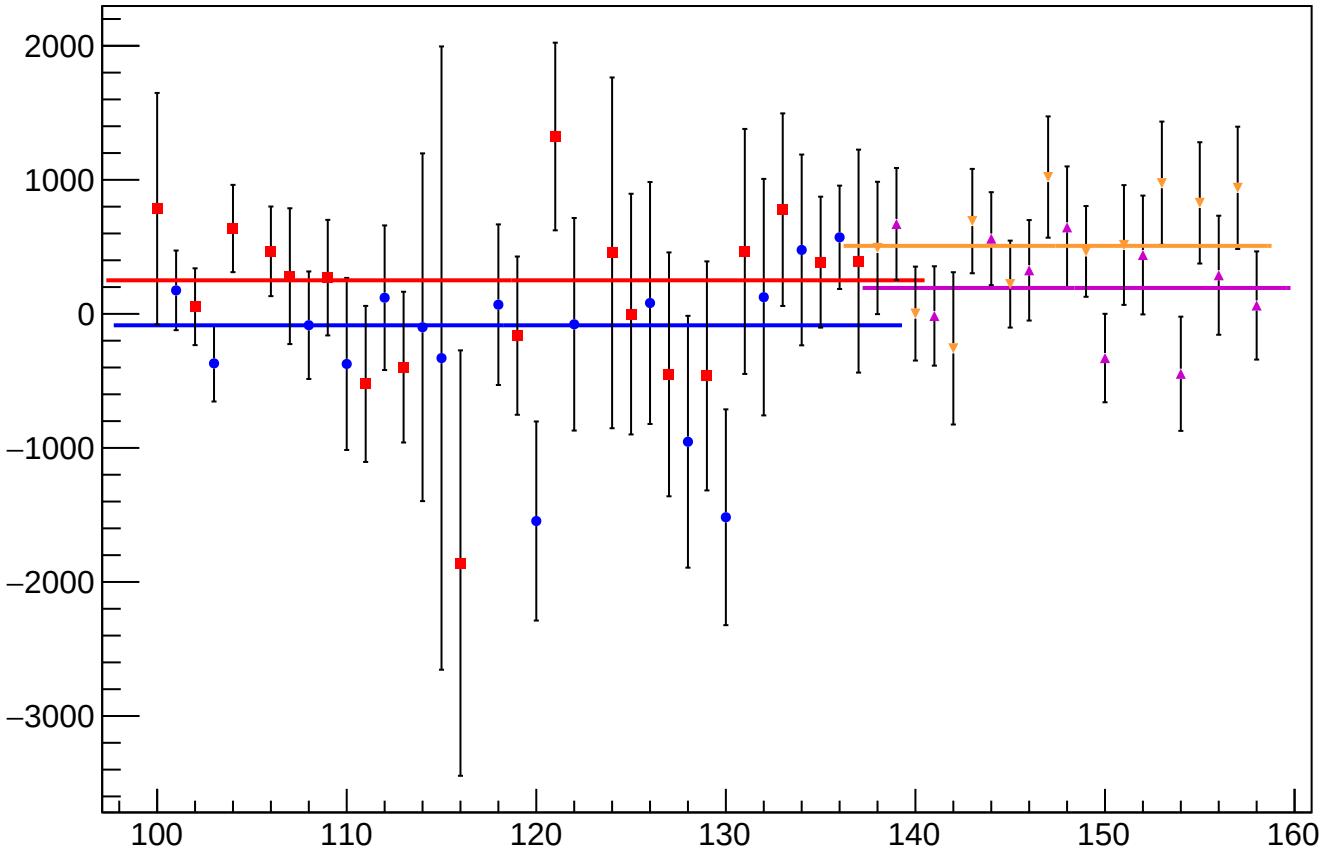
Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

Left In: 67.905+/-0.016 χ^2/NDF:133047.4/9

+ sign 69.039+/-0.012 χ^2/NDF: 548814.7/26

All: 69.248+/-0.009 χ^2/NDF: 1028745.9/55

- sign 69.456+/-0.012 χ^2/NDF: 479361.2/28



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 507.521+/-124.517 χ^2/NDF:8.6/10

Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

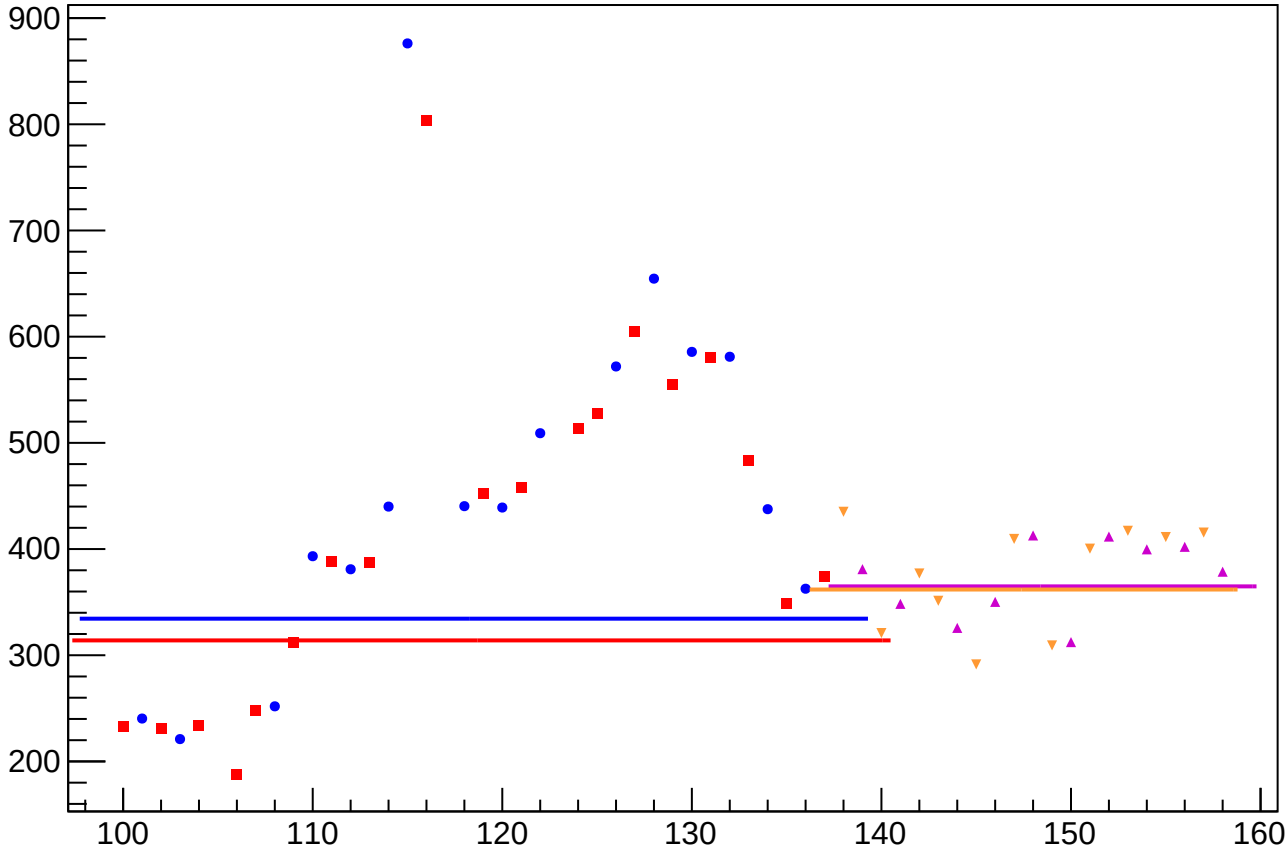
Left In: 193.423+/-124.740 χ^2/NDF:9.1/9

+ sign 230.399+/-90.859 χ^2/NDF: 32.9/26

All: 226.186+/-63.097 χ^2/NDF: 54.6/55

- sign 222.262+/-87.692 χ^2/NDF: 21.7/28

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 334.431+/-0.094 χ^2/NDF: 1730610.2/15

Left Out: 361.890+/-0.088 χ^2/NDF:334671.8/10

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

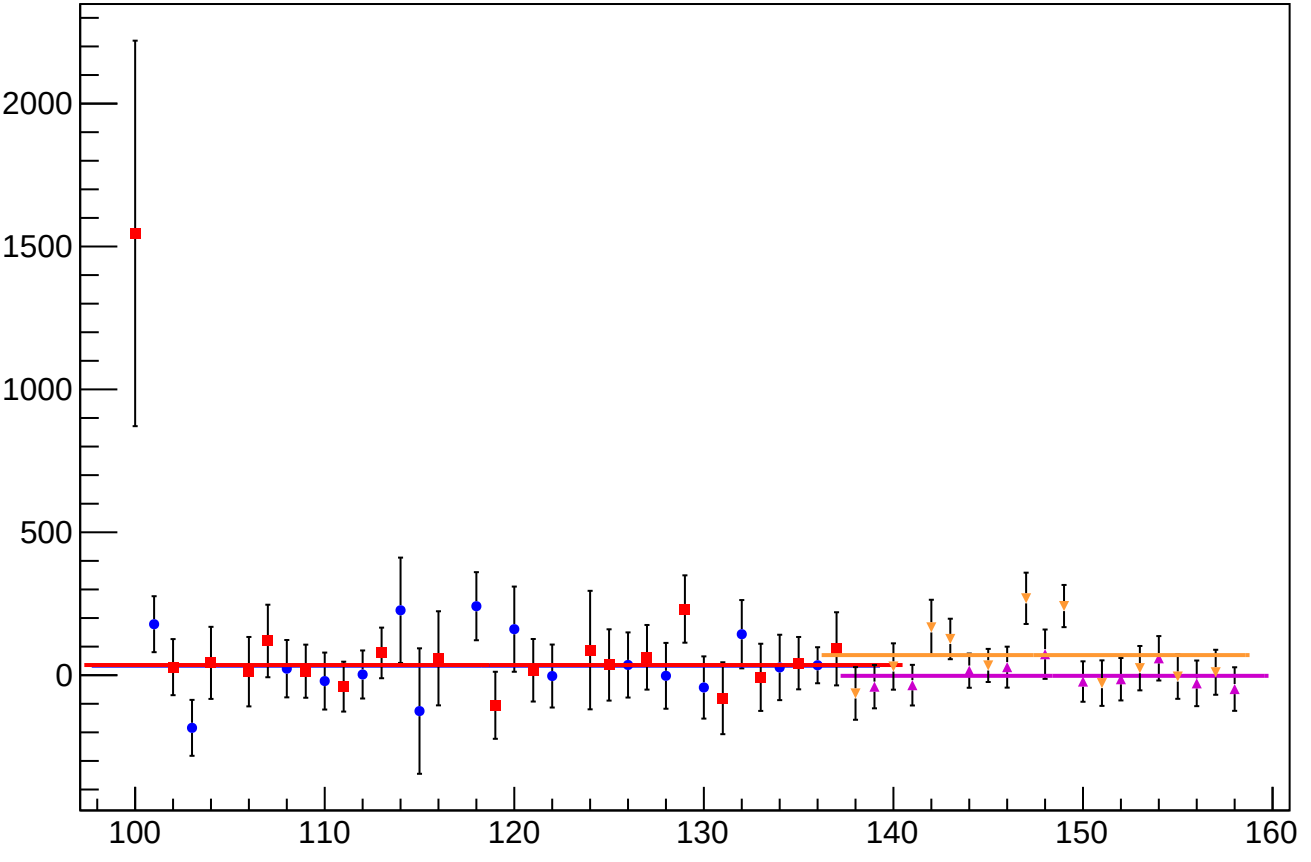
Left In: 364.851+/-0.088 χ^2/NDF:160446.7/9

+ sign 349.051+/-0.064 χ^2/NDF: 2110757.6/26

All: 343.907+/-0.045 χ^2/NDF: 4356491.0/55

- sign 339.116+/-0.062 χ^2/NDF: 2233351.5/28

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 70.325+/-23.364 χ^2/NDF:18.1/10

Right Out: 35.577+/-26.536 χ^2/NDF: 12.1/18

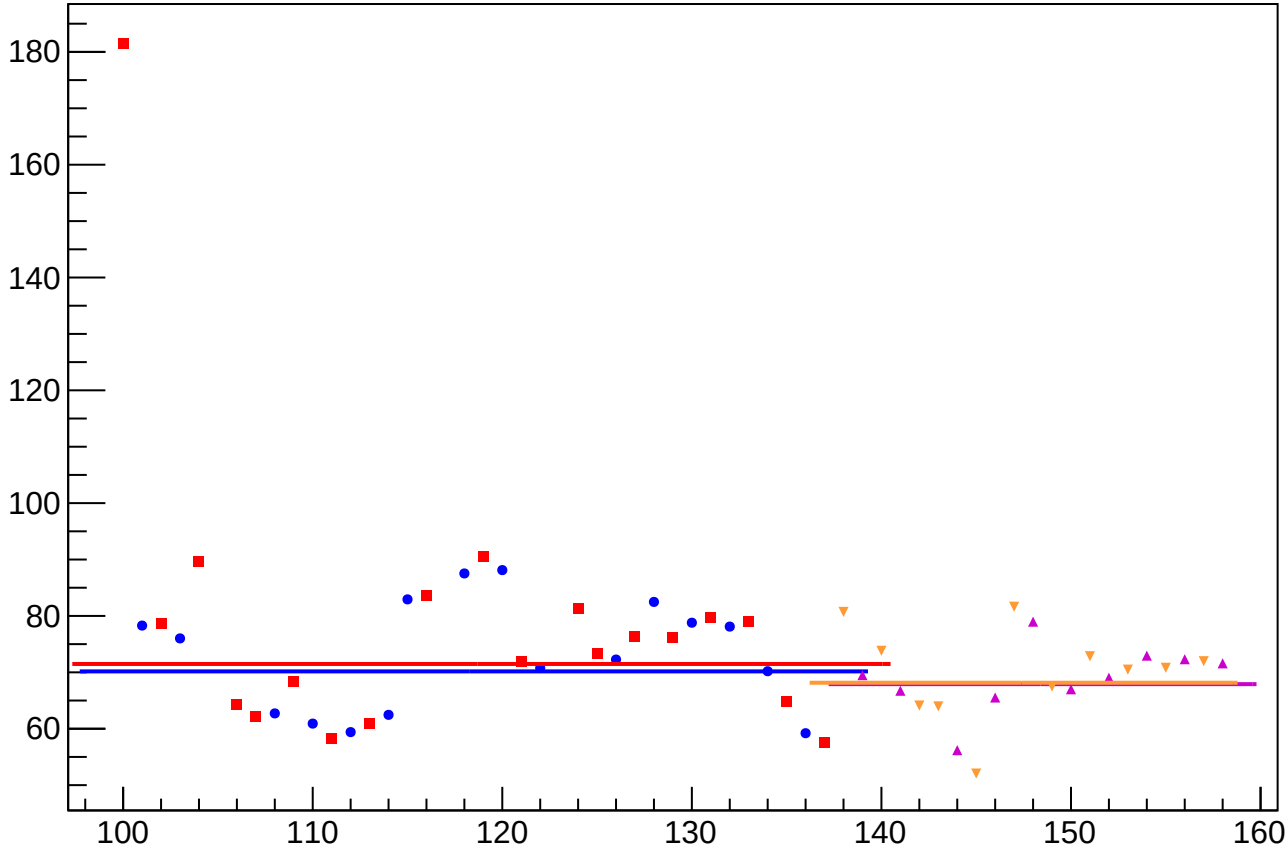
Left In: -2.212+/-23.216 χ^2/NDF:2.7/9

+ sign 54.115+/-17.501 χ^2/NDF: 33.7/26

All: 34.112+/-12.365 χ^2/NDF: 52.3/55

- sign 14.172+/-17.473 χ^2/NDF: 16.0/28

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 68.156+/-0.017 χ^2/NDF:273062.2/10

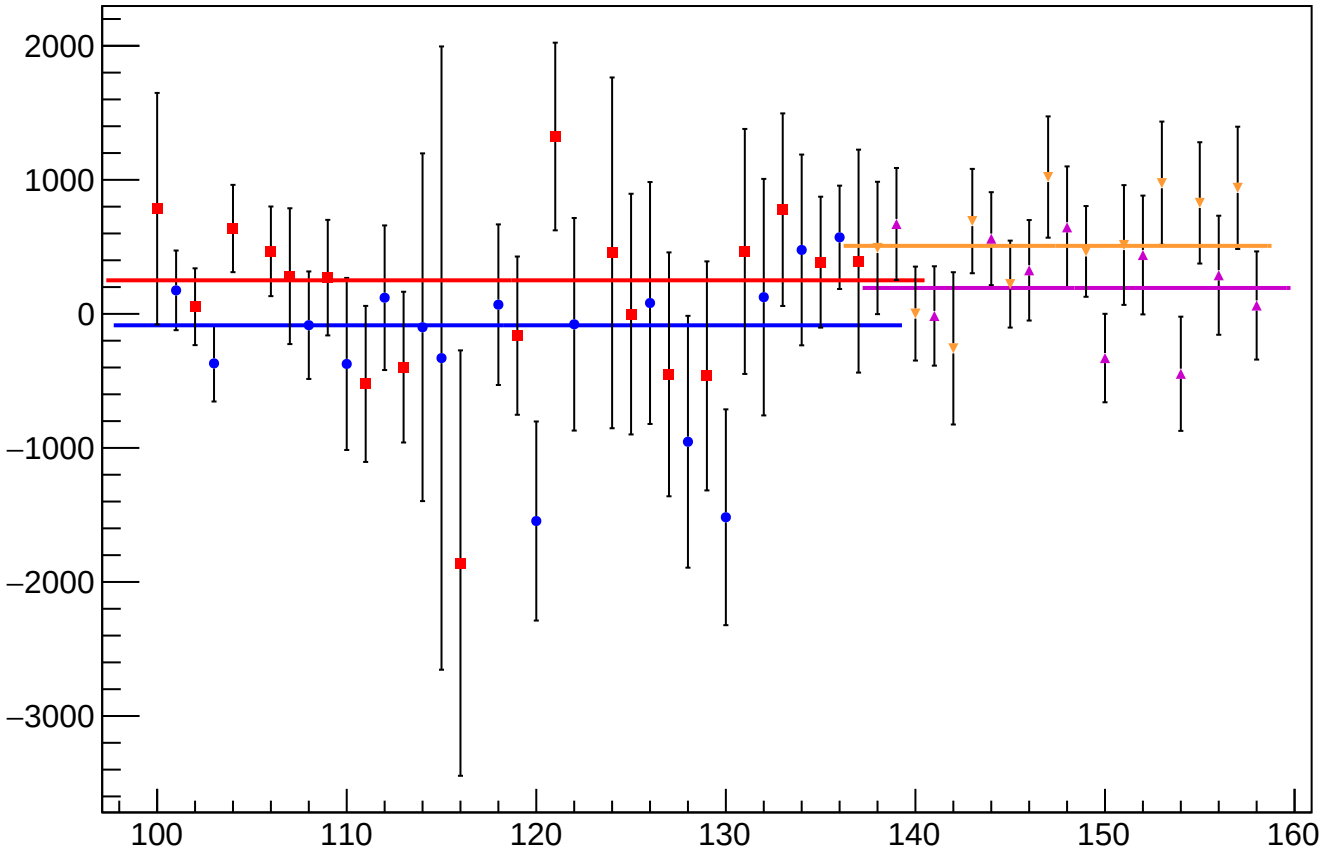
Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 67.905+/-0.016 χ^2/NDF:133048.5/9

+ sign 69.039+/-0.012 χ^2/NDF: 548823.1/26

All: 69.248+/-0.009 χ^2/NDF: 1028763.0/55

- sign 69.456+/-0.012 χ^2/NDF: 479369.9/28



Right In: -85.185+/-132.877 χ^2/NDF: 13.7/15

Left Out: 507.520+/-124.517 χ^2/NDF:8.6/10

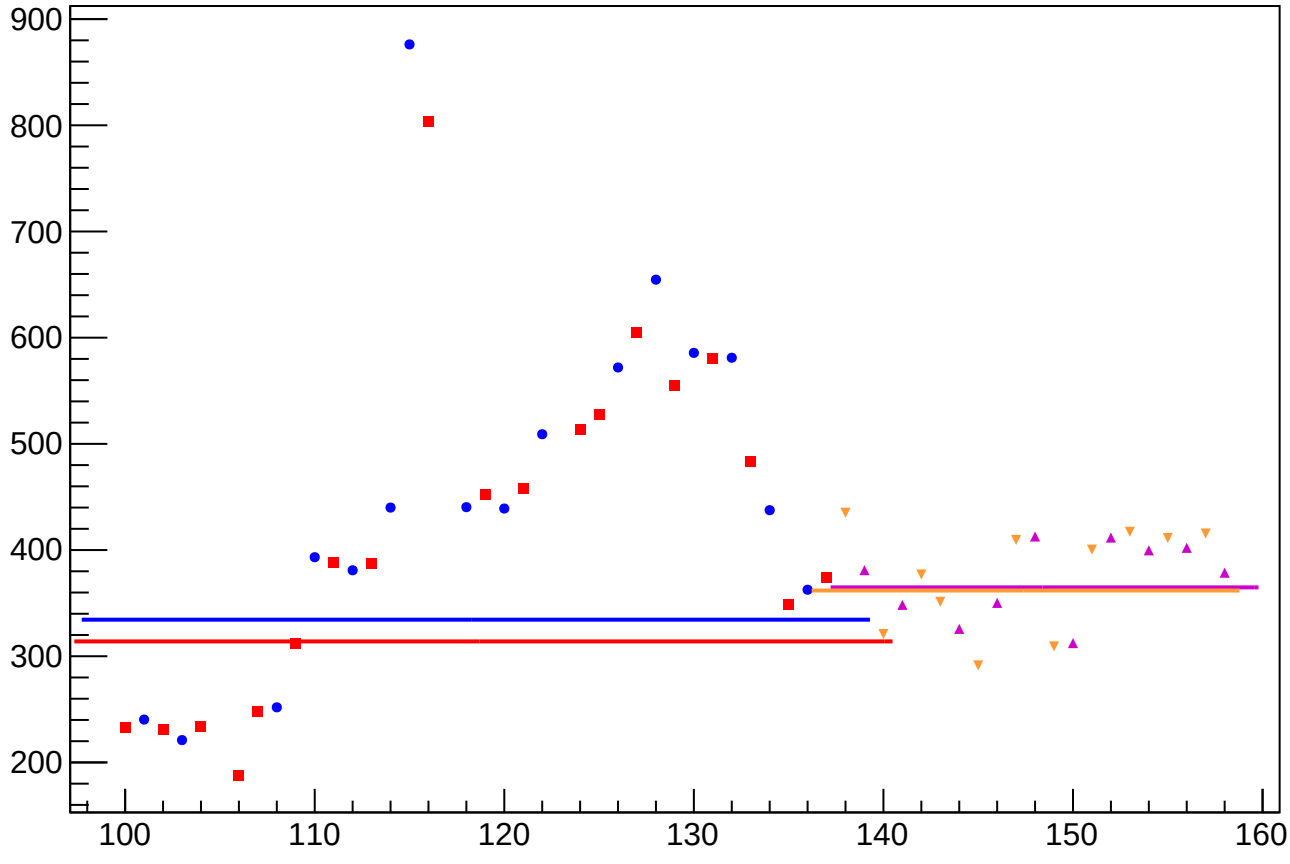
Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: 193.423+/-124.740 χ^2/NDF:9.1/9

+ sign 230.398+/-90.859 χ^2/NDF: 32.9/26

All: 226.186+/-63.097 χ^2/NDF: 54.6/55

- sign 222.262+/-87.692 χ^2/NDF: 21.7/28



Right In: 334.431+/-0.094 χ^2/NDF: 1730609.3/15

Left Out: 361.890+/-0.088 χ^2/NDF:334675.3/10

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

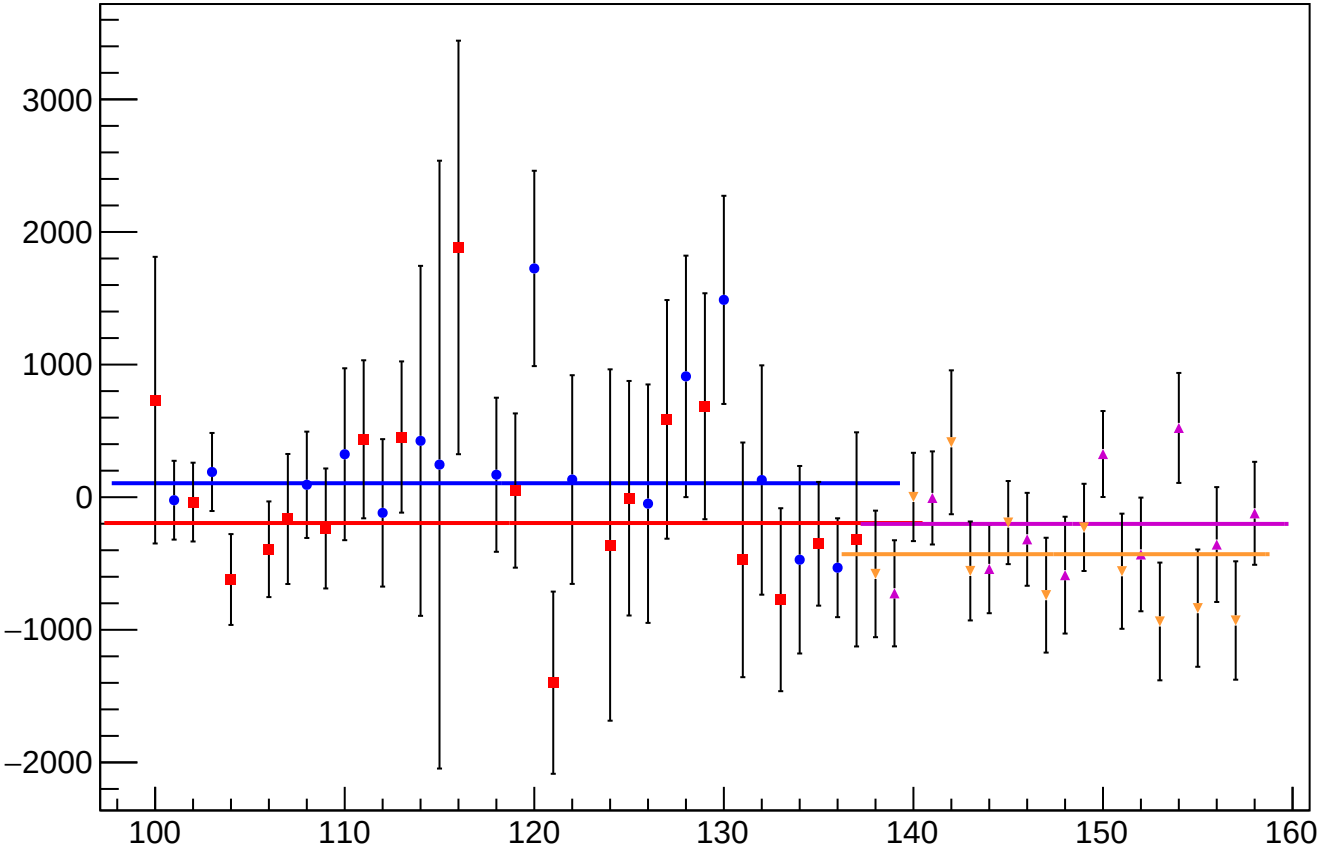
Left In: 364.851+/-0.088 χ^2/NDF:160446.4/9

+ sign 349.051+/-0.064 χ^2/NDF: 2110758.8/26

All: 343.907+/-0.045 χ^2/NDF: 4356490.7/55

- sign 339.116+/-0.062 χ^2/NDF: 2233349.9/28

asym_sam_37_48_dd_mean vs Slug



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -429.739+/-120.149 χ^2/NDF:9.3/10

Right Out: -194.712+/-126.198 χ^2/NDF: 13.1/18

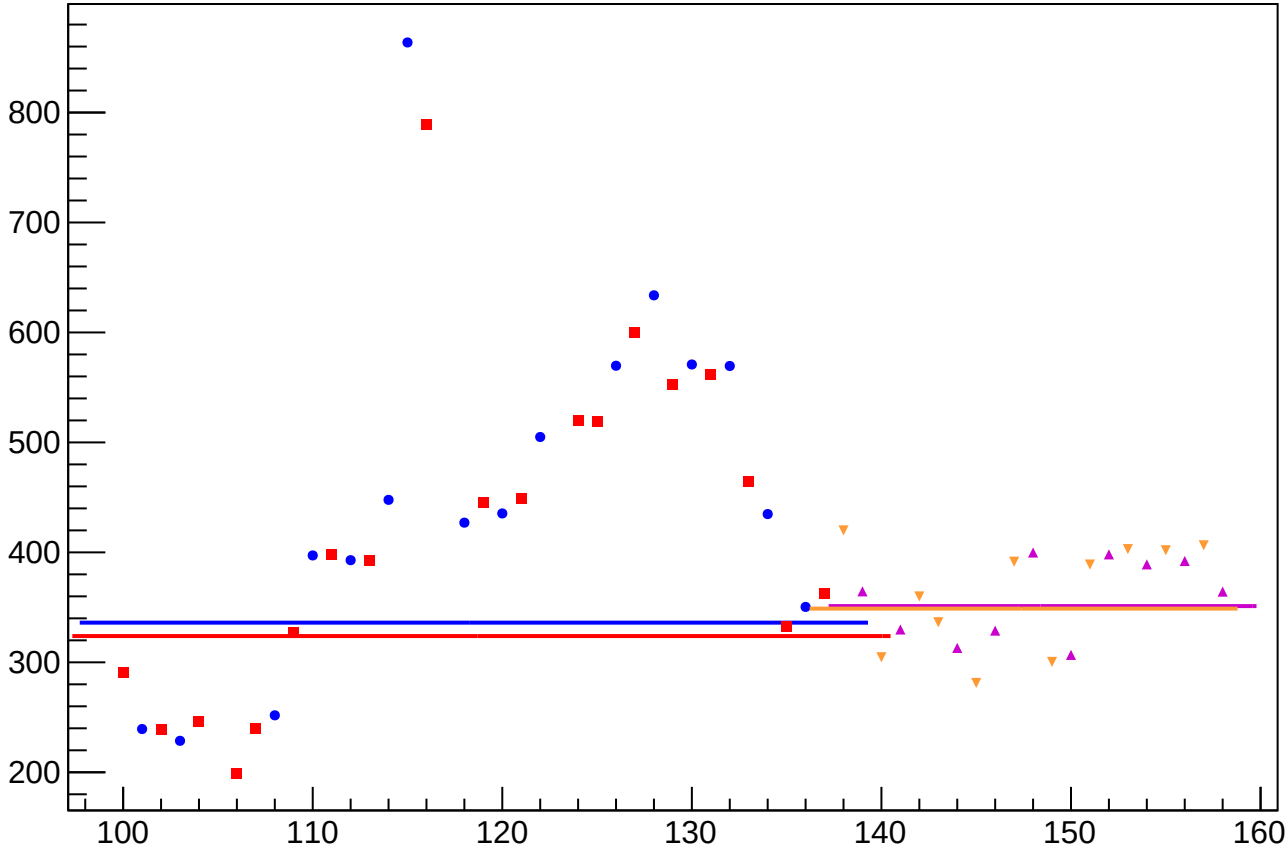
Left In: -201.332+/-120.061 χ^2/NDF:10.1/9

+ sign -189.361+/-89.170 χ^2/NDF: 31.1/26

All: -193.883+/-62.266 χ^2/NDF: 54.4/55

- sign -198.187+/-86.985 χ^2/NDF: 23.2/28

asym_sam_37_48_dd_rms vs Slug



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 348.857+/-0.085 χ^2/NDF:347527.6/10

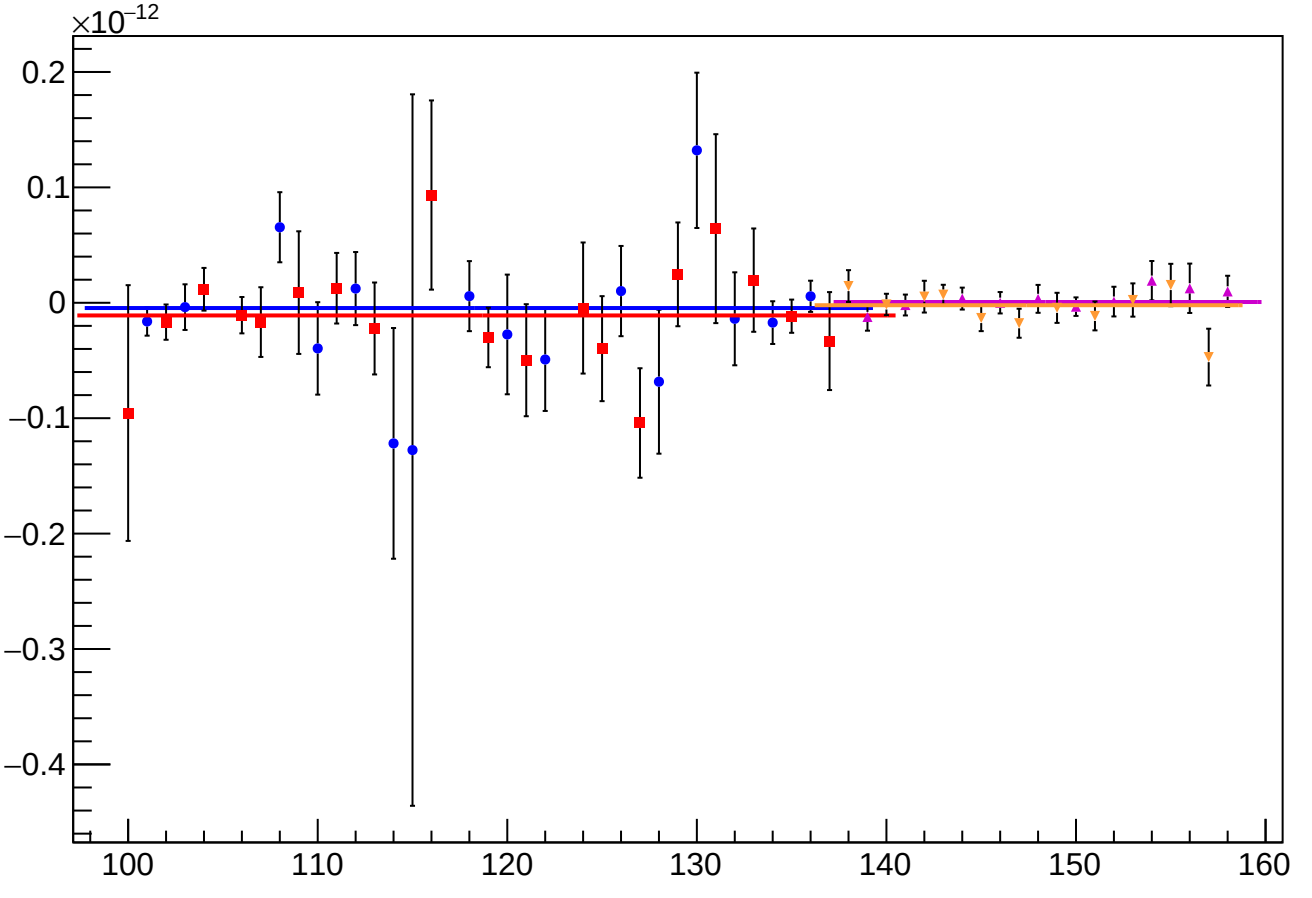
Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 351.140+/-0.085 χ^2/NDF:166642.9/9

+ sign 343.123+/-0.063 χ^2/NDF: 1976666.0/26

All: 340.596+/-0.044 χ^2/NDF: 3860829.2/55

- sign 338.191+/-0.062 χ^2/NDF: 1881028.4/28



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.3/10

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

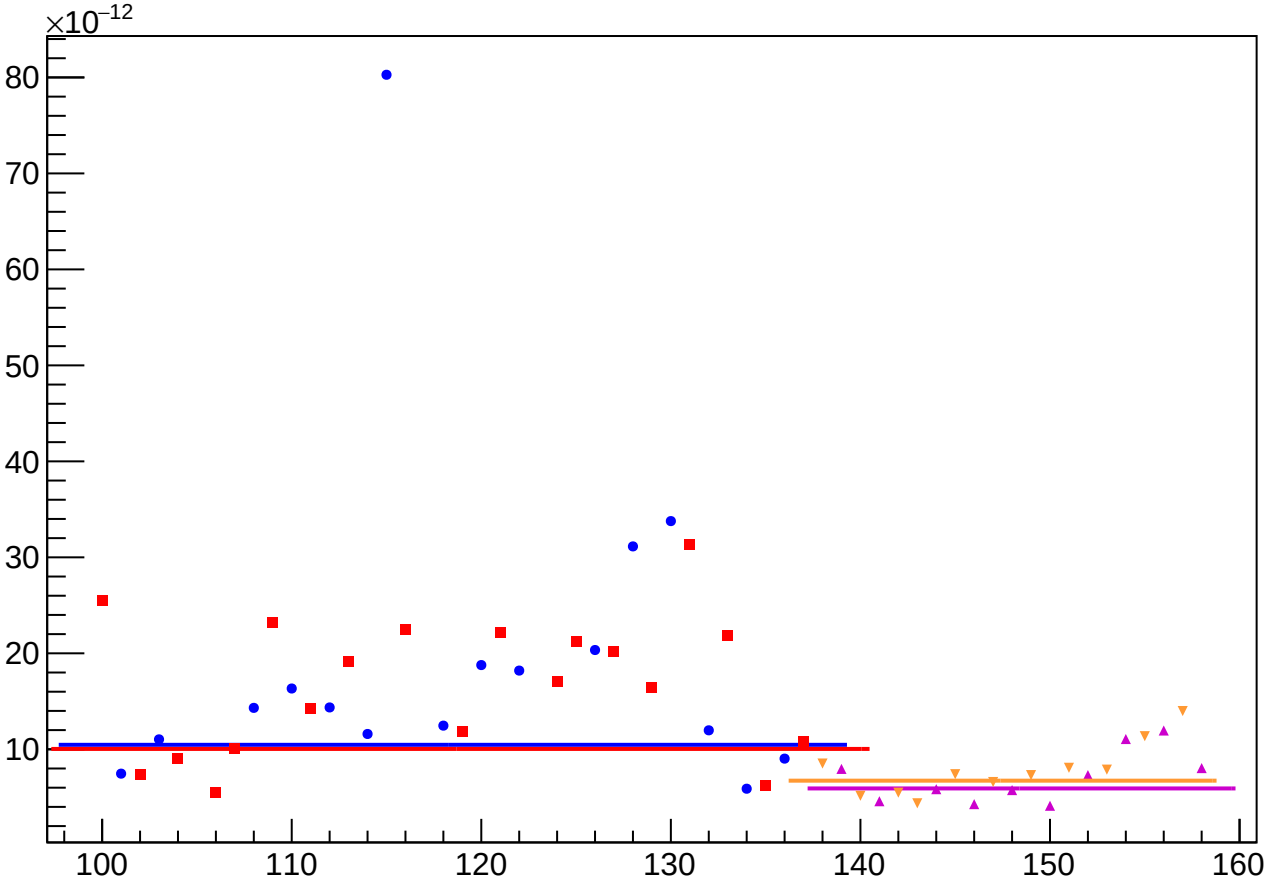
Left In: 0.000+/-0.000 χ^2/NDF:3.6/9

+ sign -0.000+/-0.000 χ^2/NDF: 26.9/26

All: -0.000+/-0.000 χ^2/NDF: 45.5/55

- sign -0.000+/-0.000 χ^2/NDF: 18.5/28

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1183833.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:606646.7/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

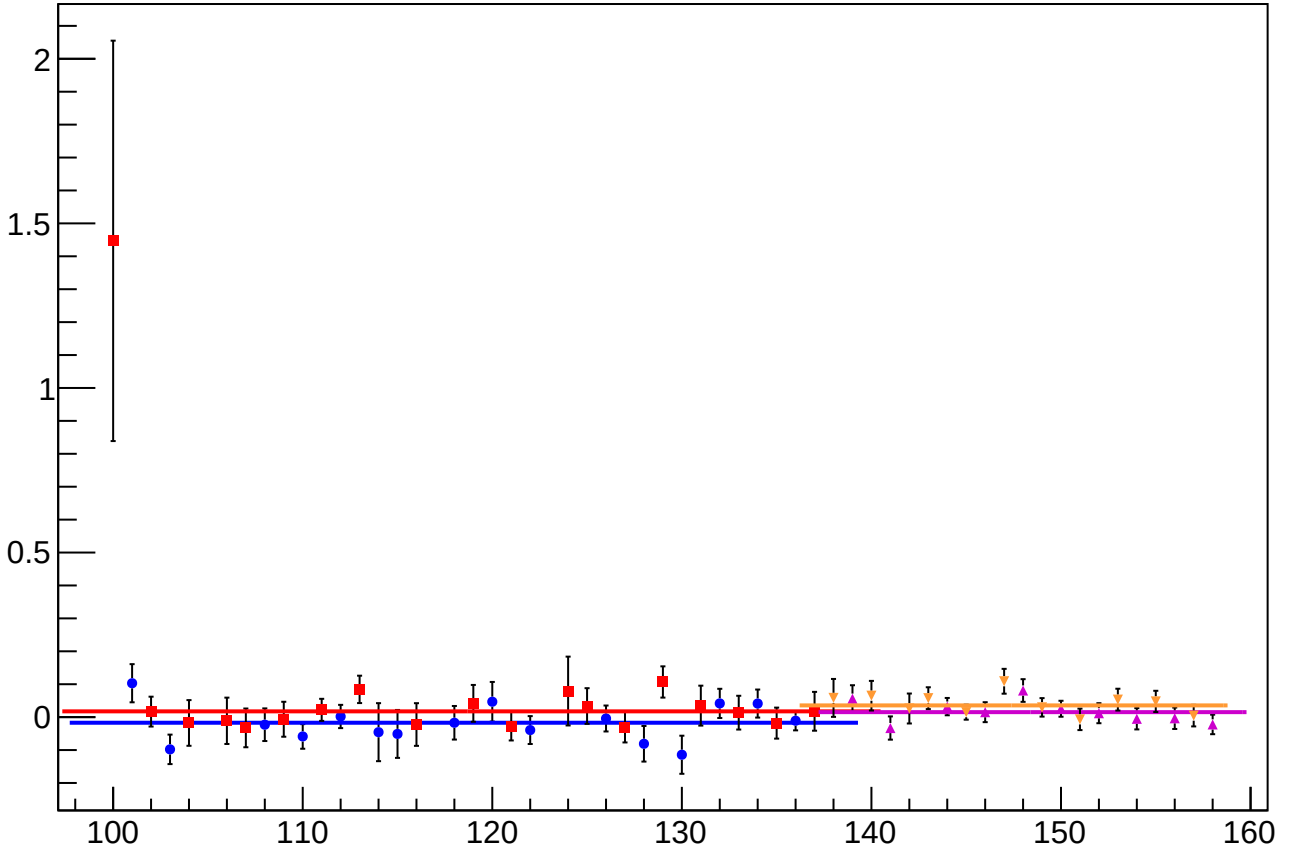
Left In: 0.000+/-0.000 χ^2/NDF:680050.2/9

+ sign 0.000+/-0.000 χ^2/NDF: 2292955.4/26

All: 0.000+/-0.000 χ^2/NDF: 5088659.1/55

- sign 0.000+/-0.000 χ^2/NDF: 2730617.9/28

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.036+/-0.010 χ^2/NDF:8.7/10

Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

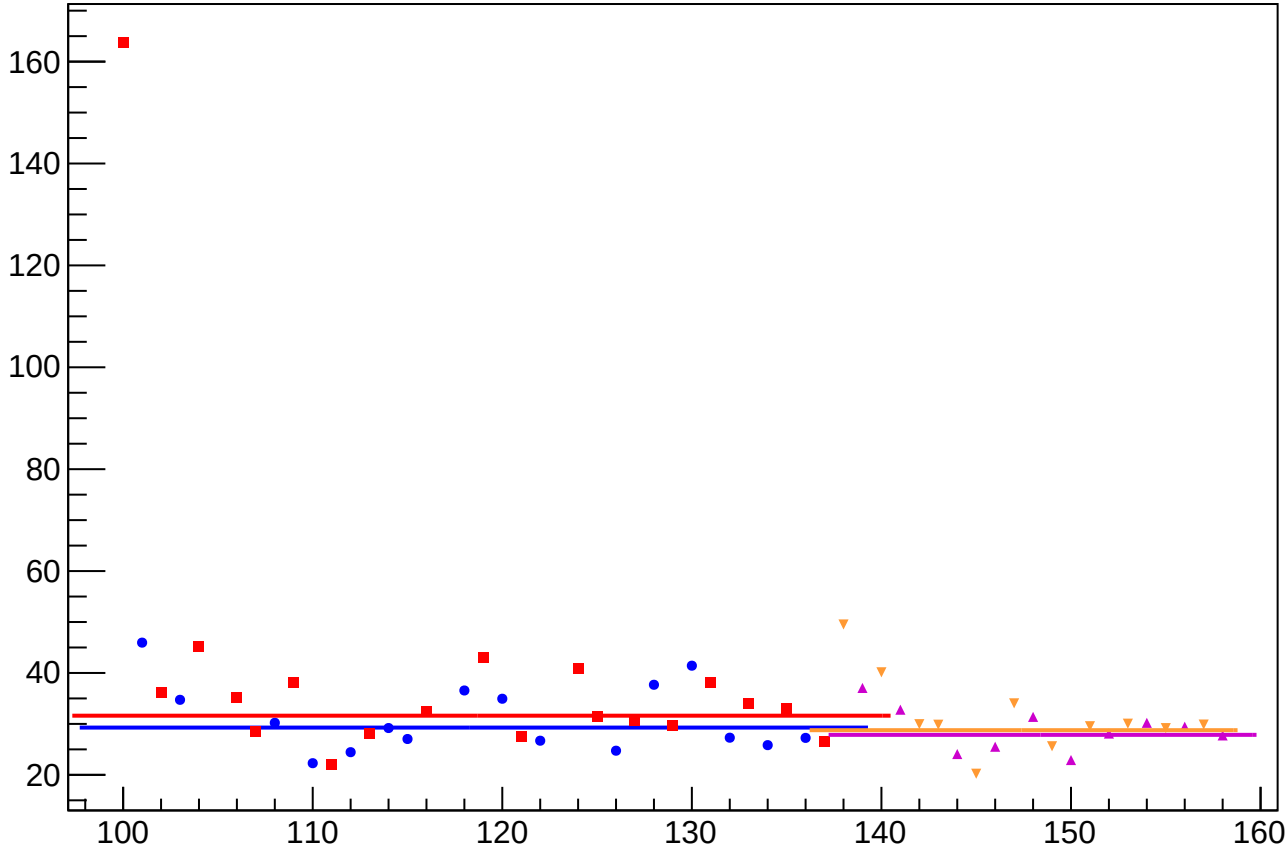
Left In: 0.015+/-0.010 χ^2/NDF:9.4/9

+ sign 0.012+/-0.008 χ^2/NDF: 39.6/26

All: 0.014+/-0.005 χ^2/NDF: 65.9/55

- sign 0.016+/-0.008 χ^2/NDF: 26.3/28

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.767+/-0.007 χ^2/NDF:741828.9/10

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

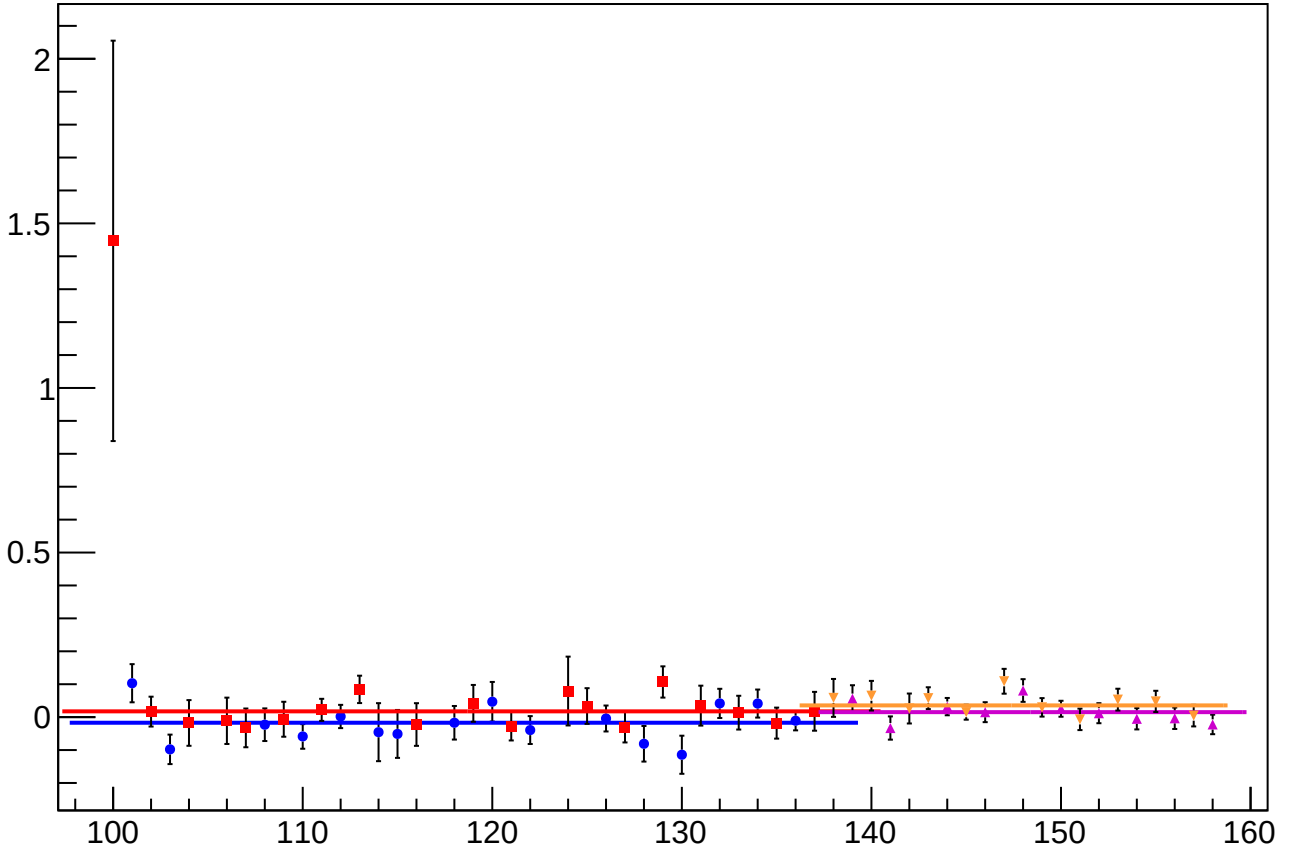
Left In: 27.852+/-0.007 χ^2/NDF:313504.5/9

+ sign 28.993+/-0.005 χ^2/NDF: 1304748.1/26

All: 29.159+/-0.004 χ^2/NDF: 2309910.7/55

- sign 29.326+/-0.005 χ^2/NDF: 1003224.2/28

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.036+/-0.010 χ^2/NDF:8.7/10

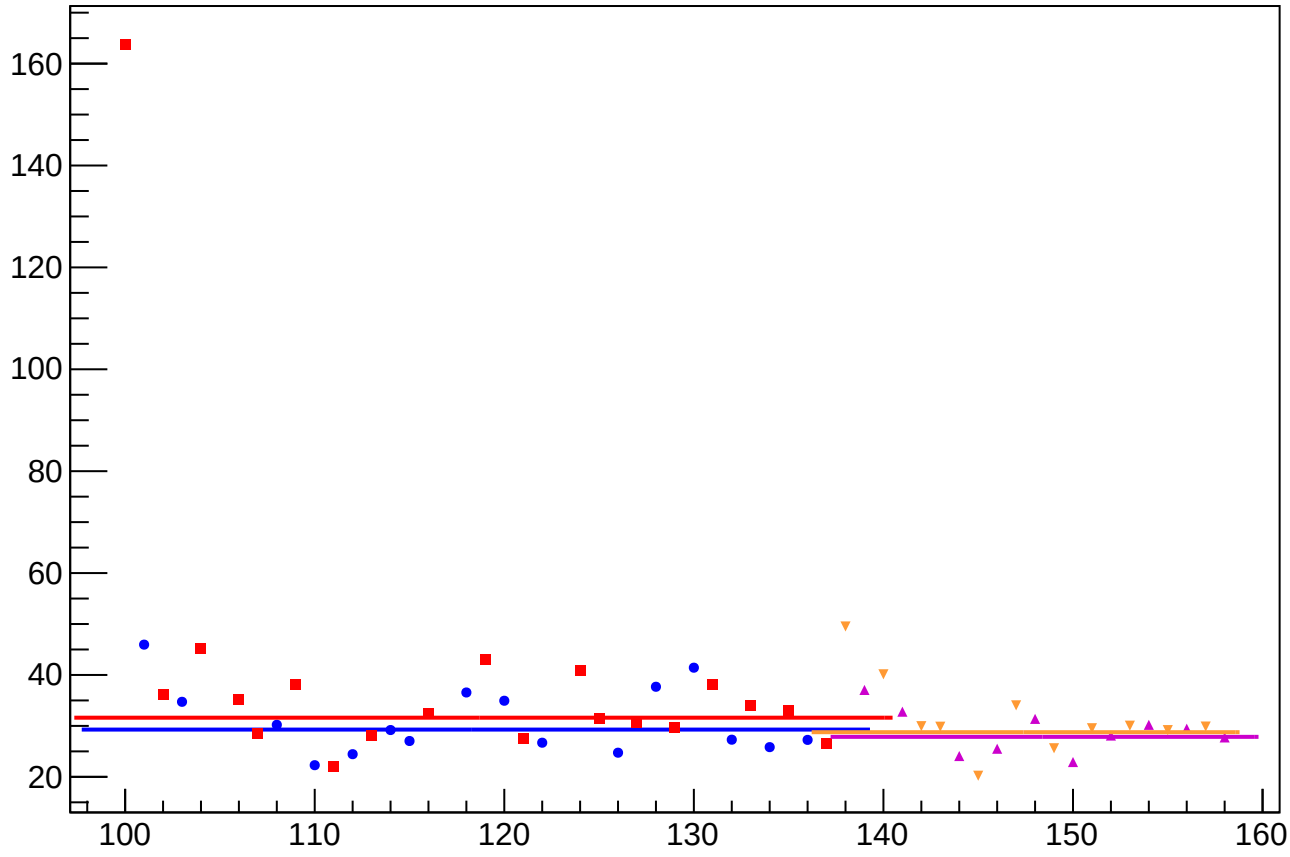
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.015+/-0.010 χ^2/NDF:9.4/9

+ sign 0.012+/-0.008 χ^2/NDF: 39.6/26

All: 0.014+/-0.005 χ^2/NDF: 65.9/55

- sign 0.016+/-0.008 χ^2/NDF: 26.3/28



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.767+/-0.007 χ^2/NDF:741828.9/10

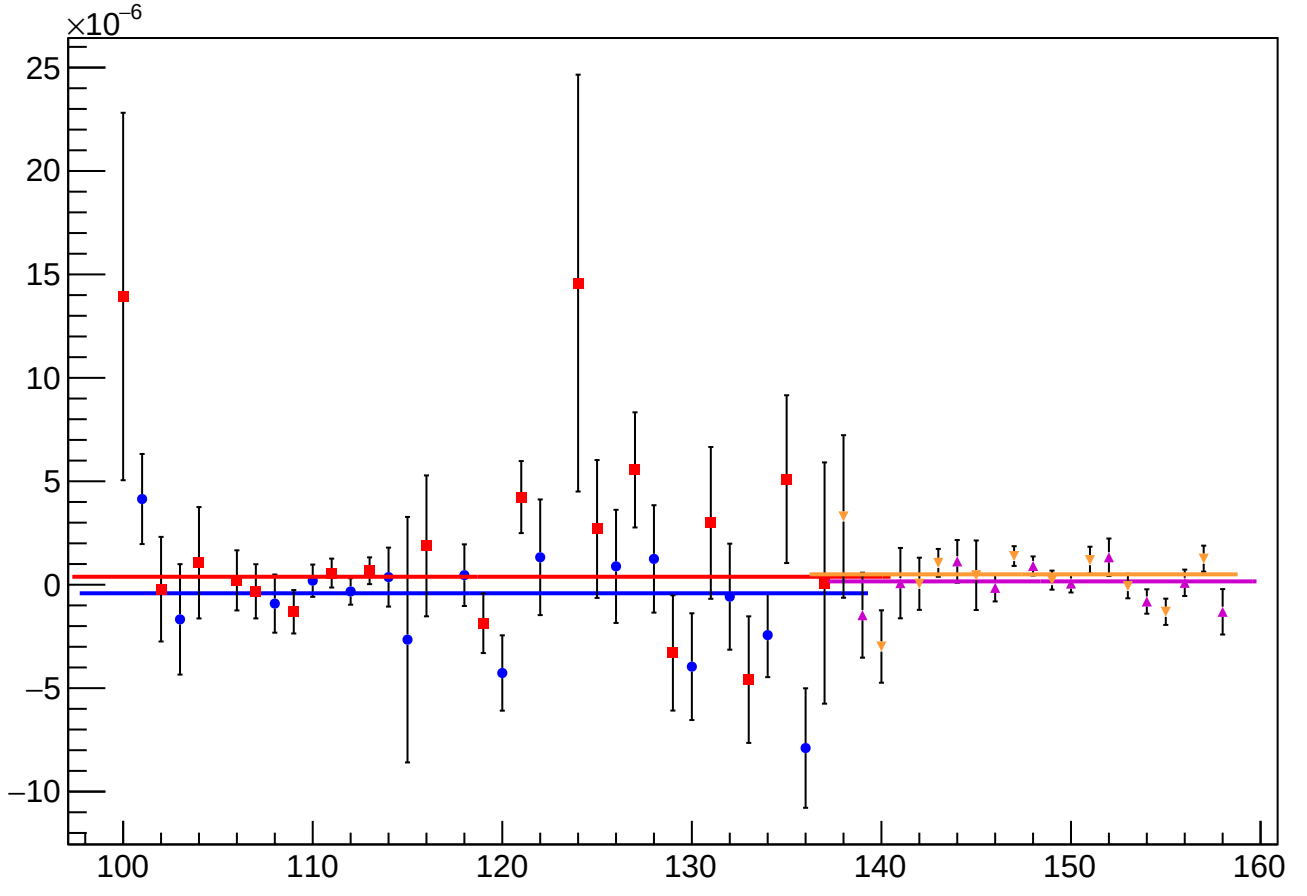
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 27.852+/-0.007 χ^2/NDF:313504.5/9

+ sign 28.993+/-0.005 χ^2/NDF: 1304748.1/26

All: 29.159+/-0.004 χ^2/NDF: 2309910.7/55

- sign 29.326+/-0.005 χ^2/NDF: 1003224.2/28



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/10

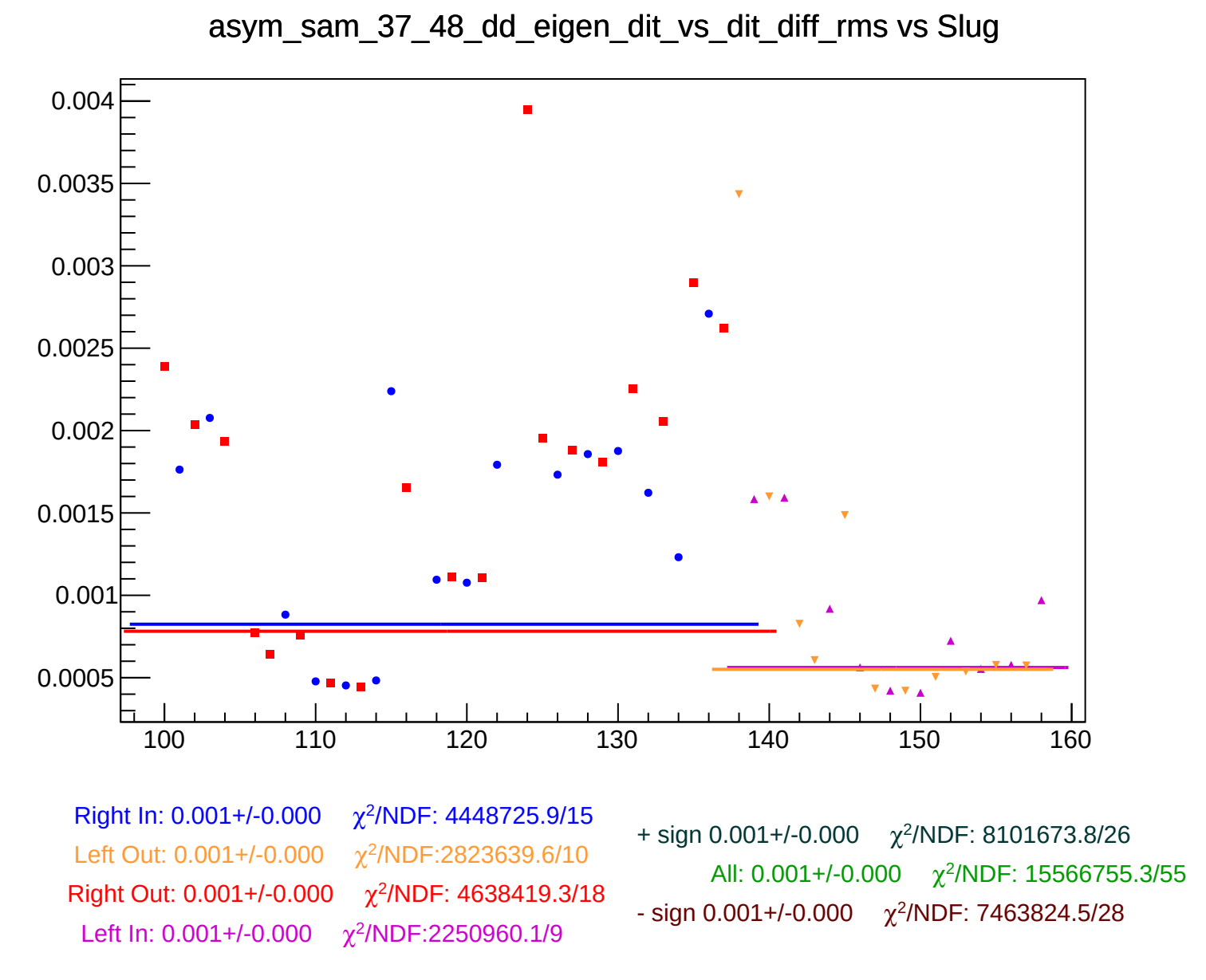
Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/18

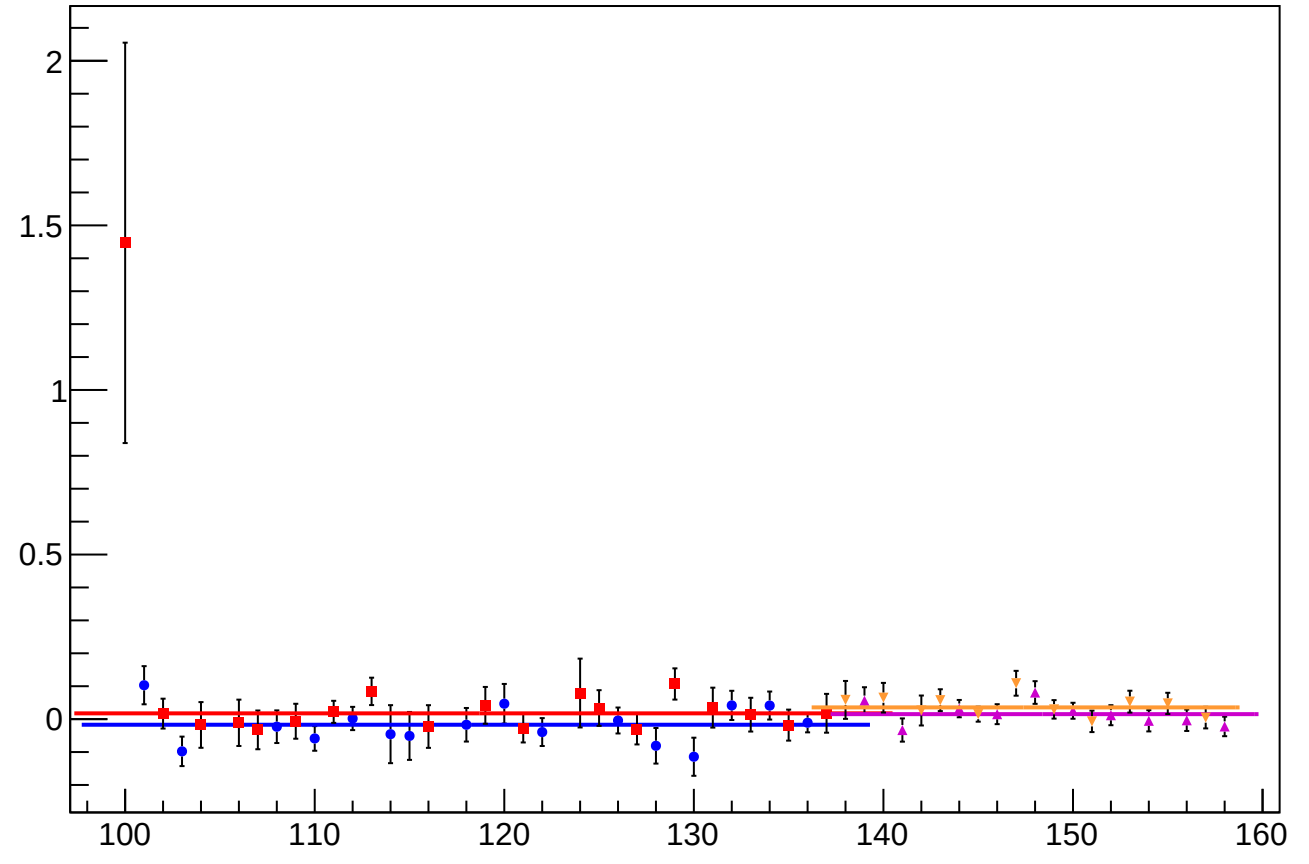
Left In: 0.000+/-0.000 χ^2/NDF:10.6/9

+ sign 0.000+/-0.000 χ^2/NDF: 46.6/26

All: 0.000+/-0.000 χ^2/NDF: 82.8/55

- sign 0.000+/-0.000 χ^2/NDF: 36.2/28


asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 4448725.9/15
Left Out: 0.001+/-0.000 χ²/NDF:2823639.6/10
Right Out: 0.001+/-0.000 χ²/NDF: 4638419.3/18
Left In: 0.001+/-0.000 χ²/NDF:2250960.1/9
+ sign 0.001+/-0.000 χ²/NDF: 8101673.8/26
All: 0.001+/-0.000 χ²/NDF: 15566755.3/55
- sign 0.001+/-0.000 χ²/NDF: 7463824.5/28



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.036+/-0.010 χ^2/NDF:8.7/10

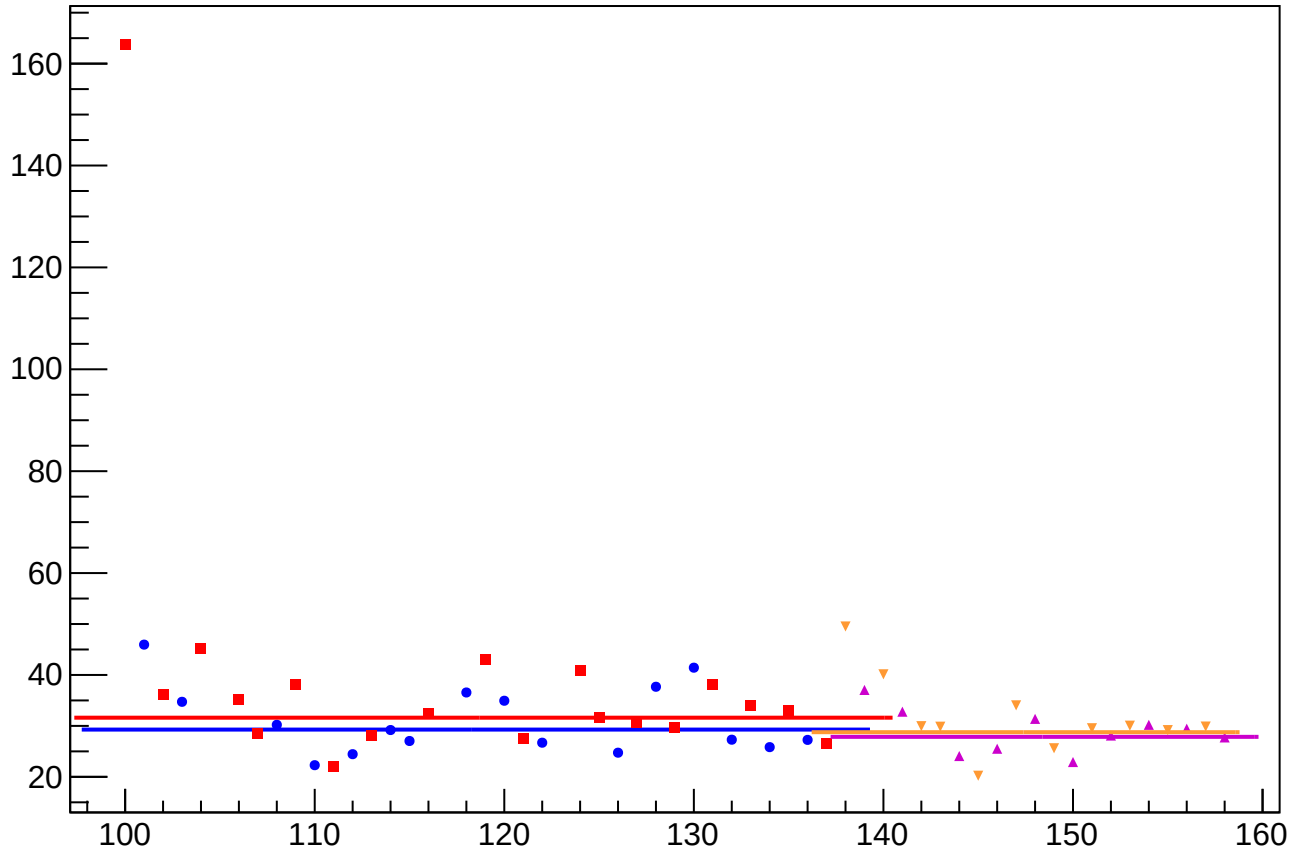
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.015+/-0.010 χ^2/NDF:9.4/9

+ sign 0.012+/-0.008 χ^2/NDF: 39.6/26

All: 0.014+/-0.005 χ^2/NDF: 65.9/55

- sign 0.016+/-0.008 χ^2/NDF: 26.3/28



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 28.767+/-0.007 χ^2/NDF:741880.2/10

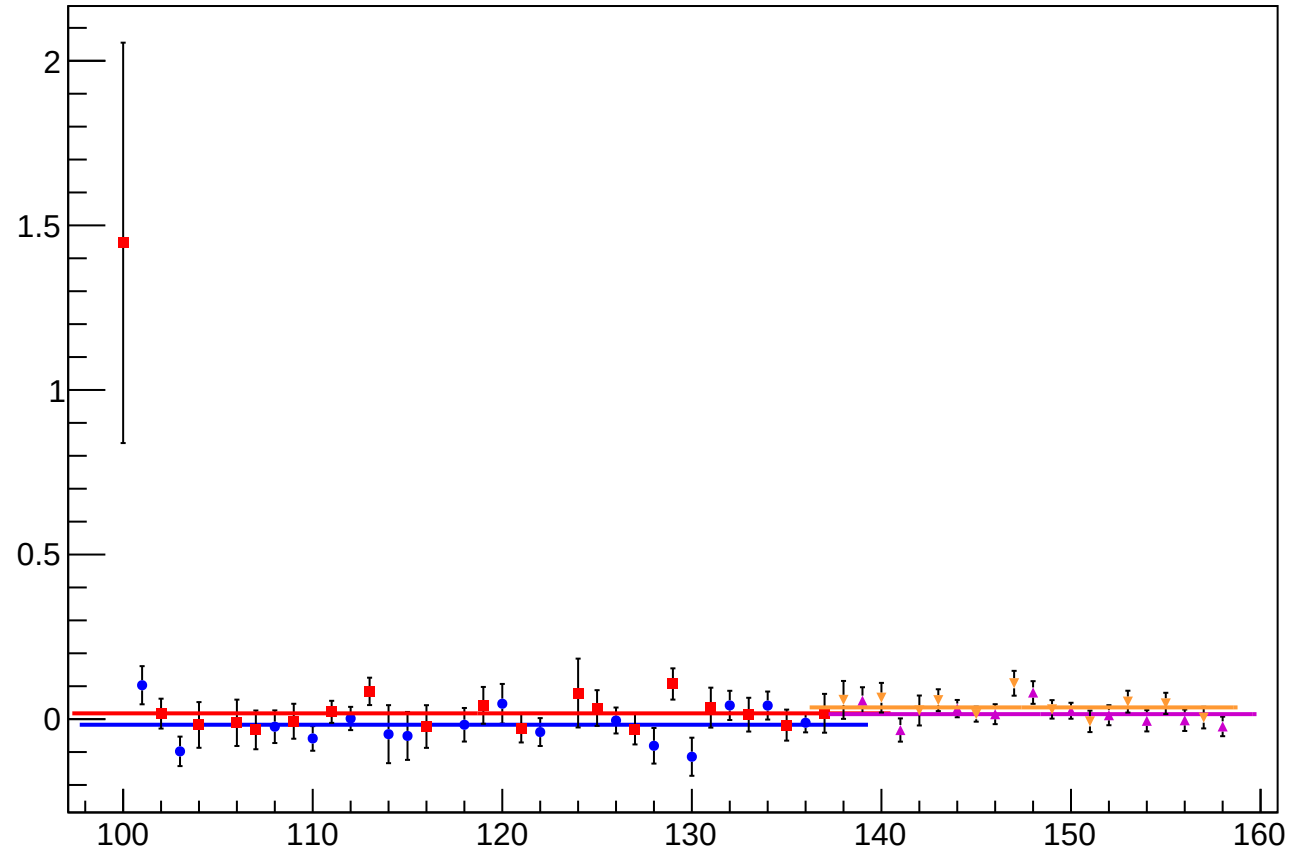
Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 27.852+/-0.007 χ^2/NDF:313476.3/9

+ sign 28.993+/-0.005 χ^2/NDF: 1304801.9/26

All: 29.159+/-0.004 χ^2/NDF: 2309951.5/55

- sign 29.326+/-0.005 χ^2/NDF: 1003209.5/28



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.036+/-0.010 χ^2/NDF:8.7/10

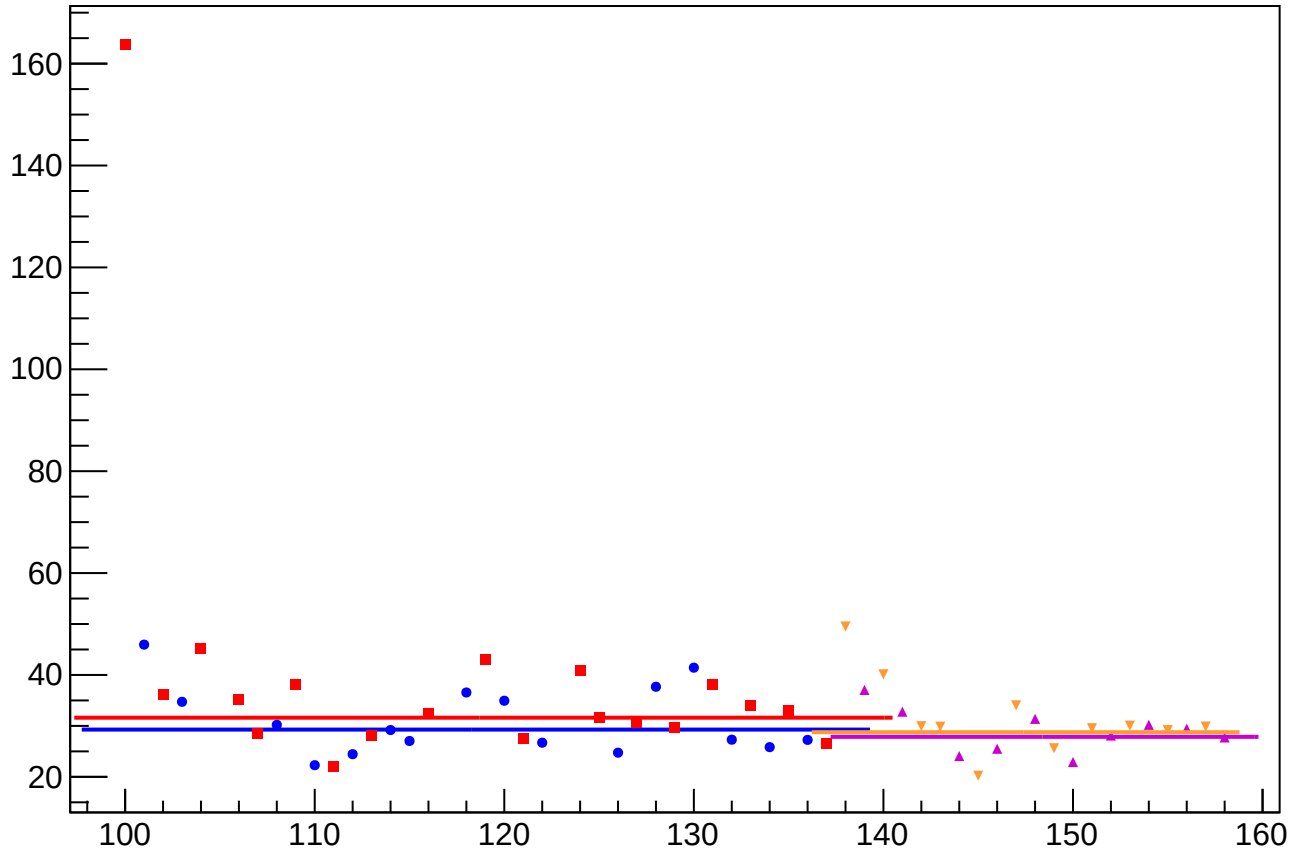
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.015+/-0.010 χ^2/NDF:9.4/9

+ sign 0.012+/-0.008 χ^2/NDF: 39.6/26

All: 0.014+/-0.005 χ^2/NDF: 65.9/55

- sign 0.016+/-0.008 χ^2/NDF: 26.3/28



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 28.767+/-0.007 χ^2/NDF:741880.2/10

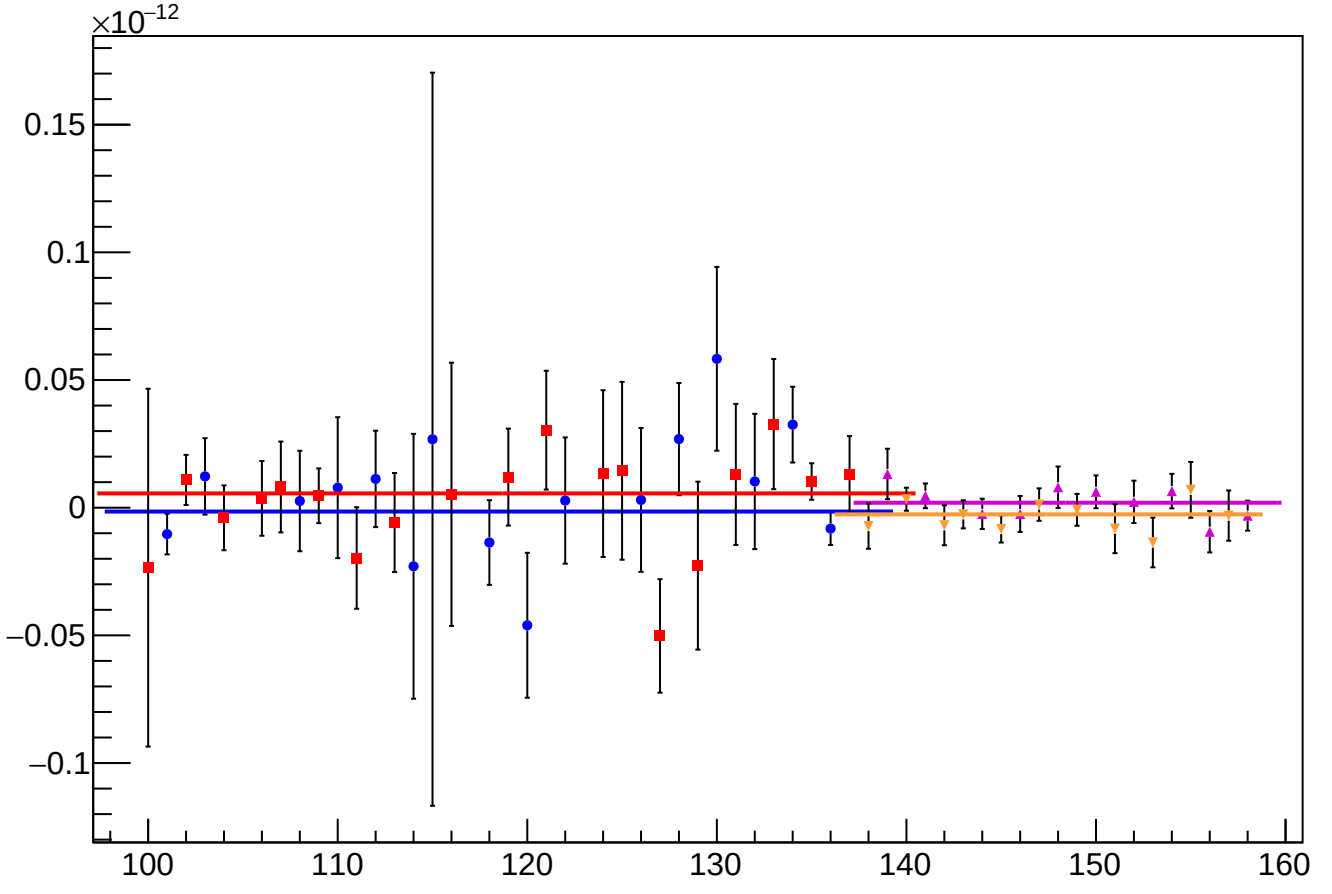
Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 27.852+/-0.007 χ^2/NDF:313476.3/9

+ sign 28.993+/-0.005 χ^2/NDF: 1304801.9/26

All: 29.159+/-0.004 χ^2/NDF: 2309951.5/55

- sign 29.326+/-0.005 χ^2/NDF: 1003209.5/28



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.3/10

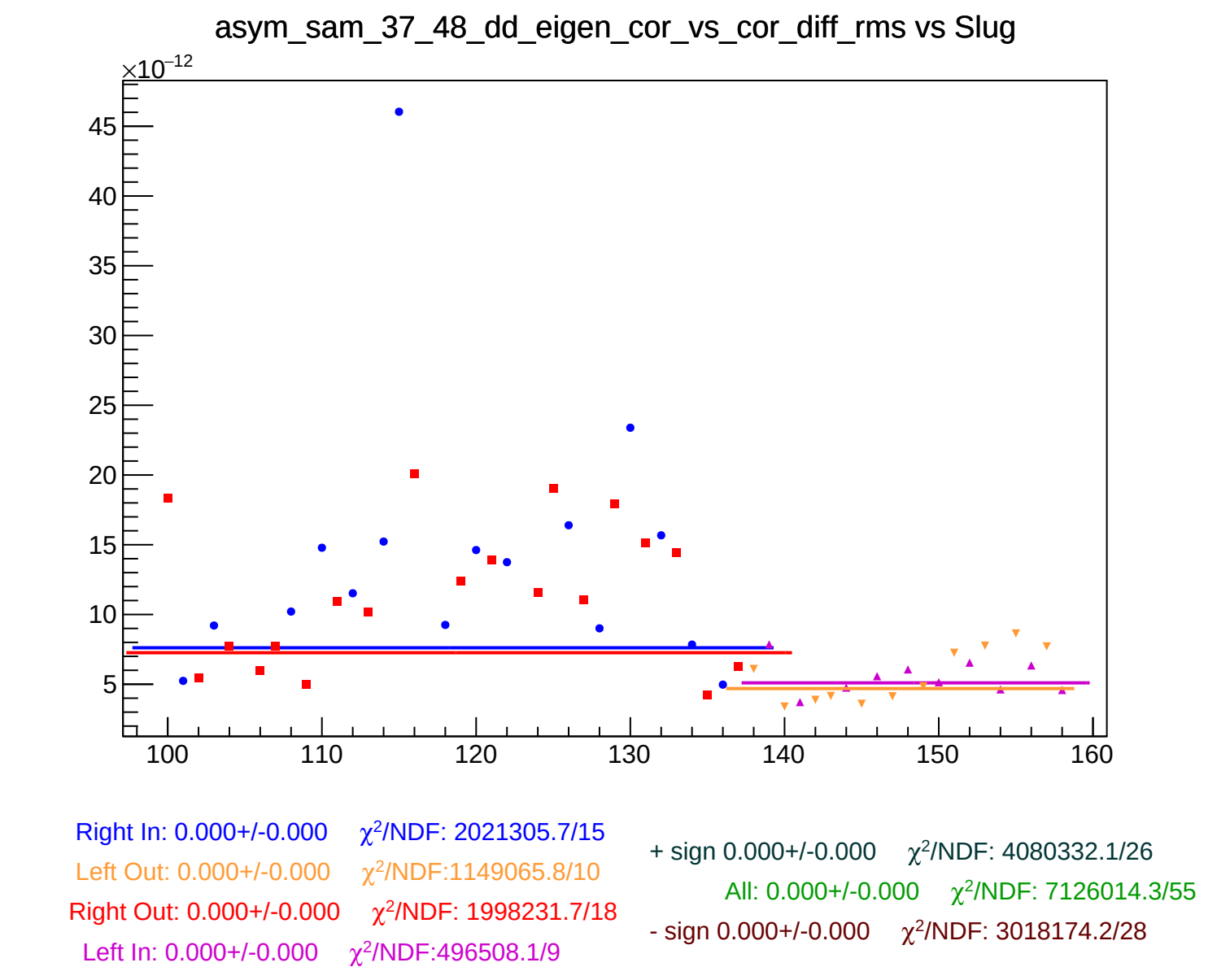
Right Out: 0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: 0.000+/-0.000 χ^2/NDF:6.7/9

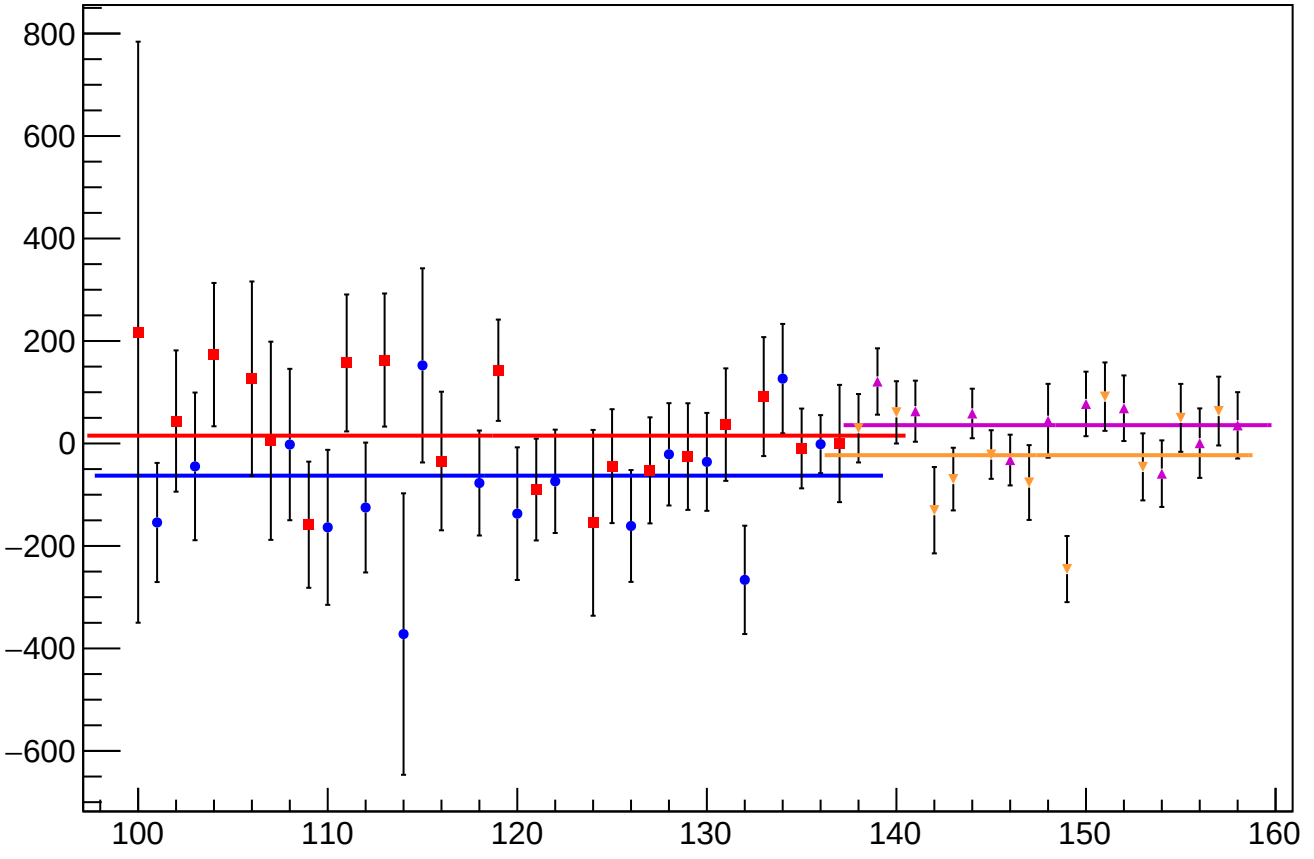
+ sign -0.000+/-0.000 χ^2/NDF: 23.3/26

All: 0.000+/-0.000 χ^2/NDF: 48.2/55

- sign 0.000+/-0.000 χ^2/NDF: 20.8/28


asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
45
40
35
30
25
20
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2021305.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1149065.8/10
Right Out: 0.000+/-0.000 χ²/NDF: 1998231.7/18
Left In: 0.000+/-0.000 χ²/NDF:496508.1/9
+ sign 0.000+/-0.000 χ²/NDF: 4080332.1/26
All: 0.000+/-0.000 χ²/NDF: 7126014.3/55
- sign 0.000+/-0.000 χ²/NDF: 3018174.2/28

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: -22.867+/-19.304 χ^2/NDF:23.0/10

Right Out: 15.288+/-27.770 χ^2/NDF: 11.5/18

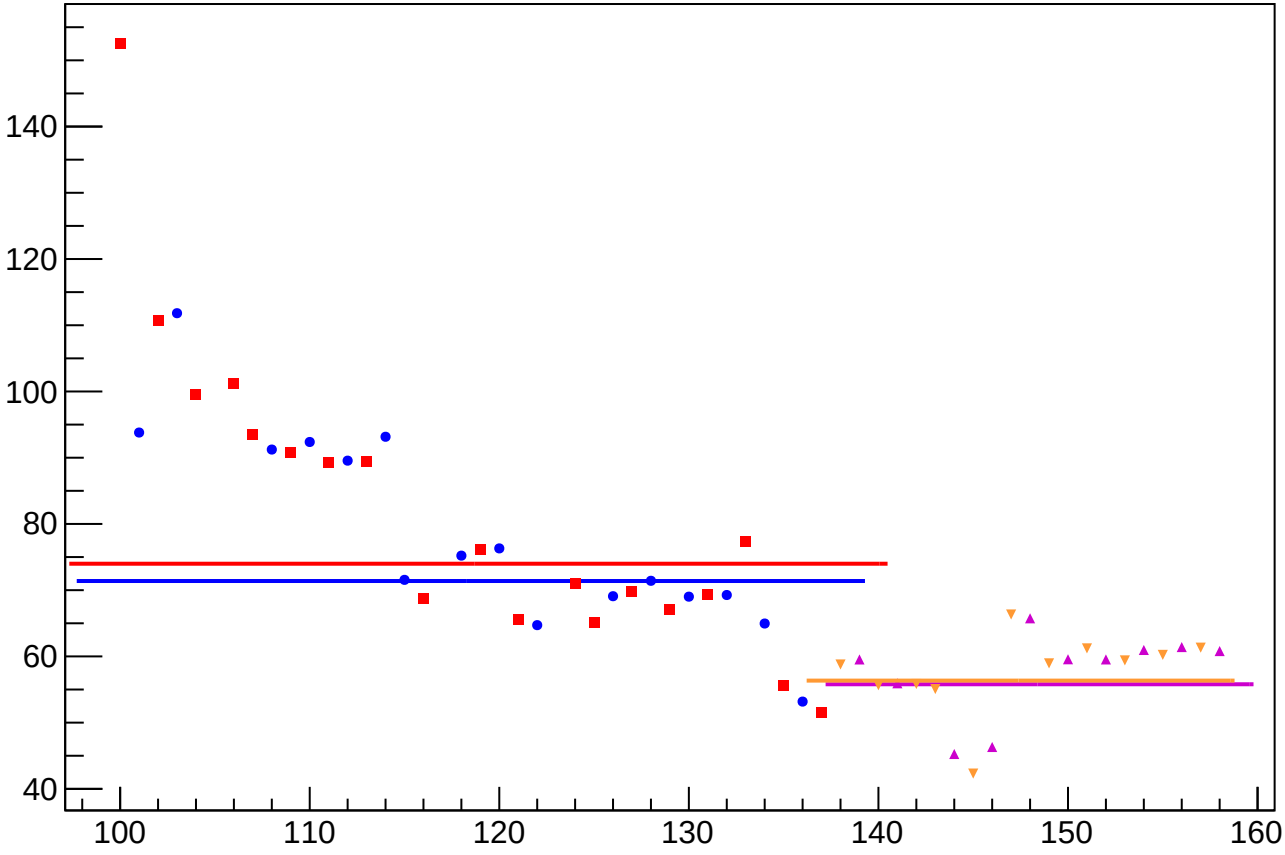
Left In: 35.736+/-19.113 χ^2/NDF:7.2/9

+ sign -36.234+/-15.745 χ^2/NDF: 37.9/26

All: -3.534+/-11.133 χ^2/NDF: 65.6/55

- sign 29.163+/-15.744 χ^2/NDF: 19.0/28

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 56.345+/-0.014 χ^2/NDF:252428.0/10

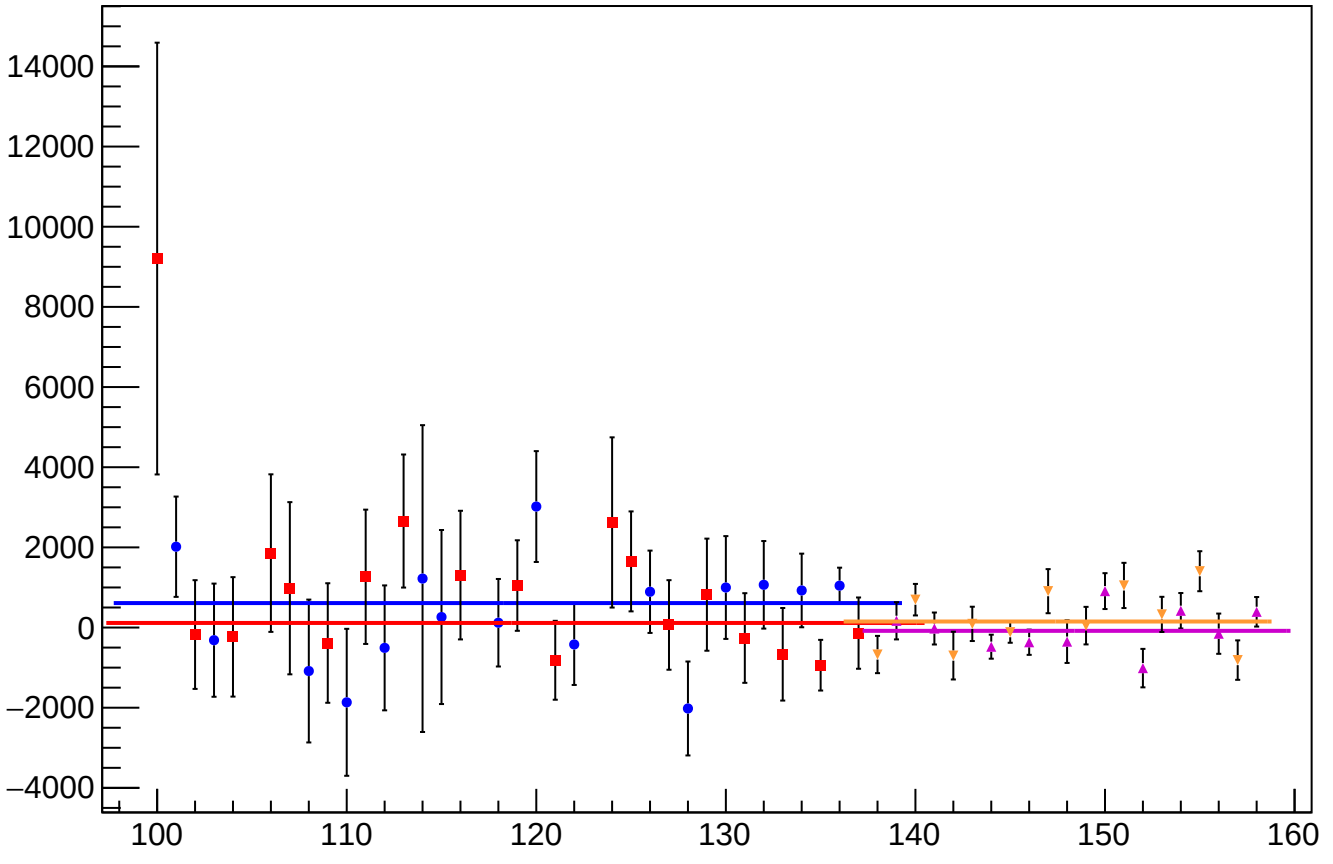
Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

Left In: 55.794+/-0.014 χ^2/NDF:265401.3/9

+ sign 61.379+/-0.011 χ^2/NDF: 1249613.0/26

All: 61.512+/-0.008 χ^2/NDF: 2736665.4/55

- sign 61.644+/-0.011 χ^2/NDF: 1486770.5/28



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: 150.609+/-131.192 χ^2/NDF:22.9/10

Right Out: 114.633+/-284.312 χ^2/NDF: 15.6/18

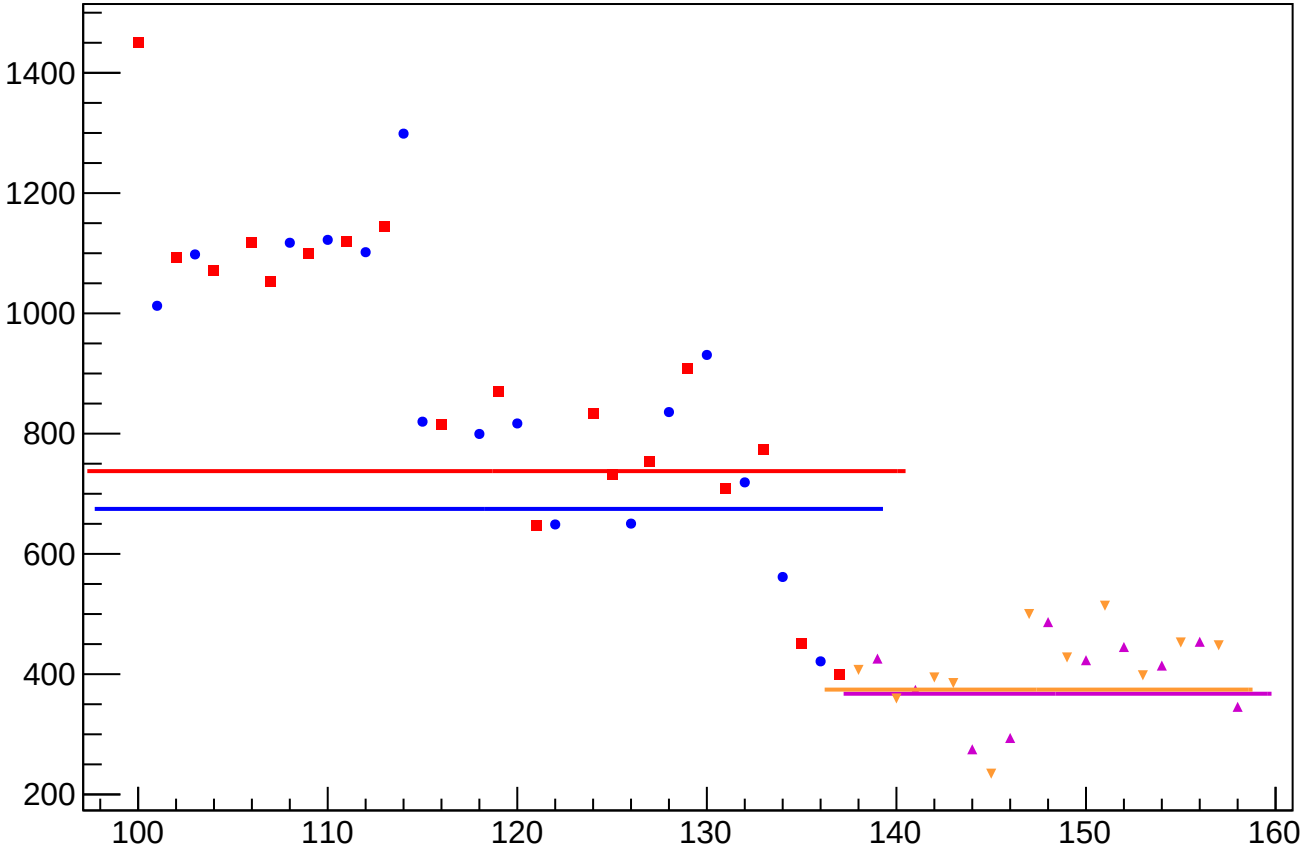
Left In: -82.363+/-127.555 χ^2/NDF:14.8/9

+ sign 240.166+/-117.729 χ^2/NDF: 41.0/26

All: 93.737+/-82.766 χ^2/NDF: 74.8/55

- sign -49.355+/-116.379 χ^2/NDF: 30.7/28

asym_sam_15_26_dd_reg_correction_rms vs Slug



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 374.345+/-0.093 χ^2/NDF:931498.9/10

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

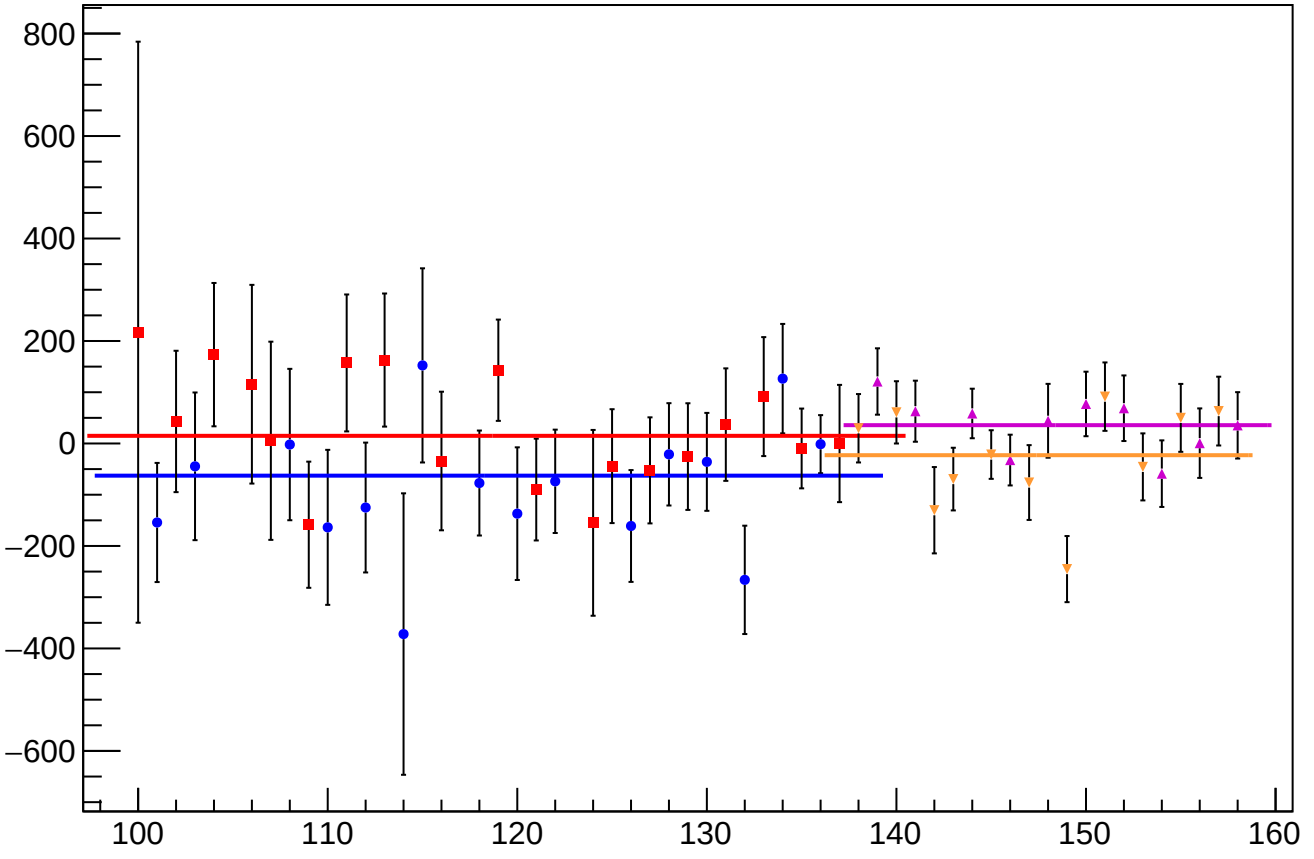
Left In: 367.474+/-0.090 χ^2/NDF:603942.0/9

+ sign 432.852+/-0.083 χ^2/NDF: 4592017.2/26

All: 431.159+/-0.059 χ^2/NDF: 9536248.1/55

- sign 429.504+/-0.082 χ^2/NDF: 4943412.6/28

cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -22.869+/-19.304 χ^2/NDF:23.0/10

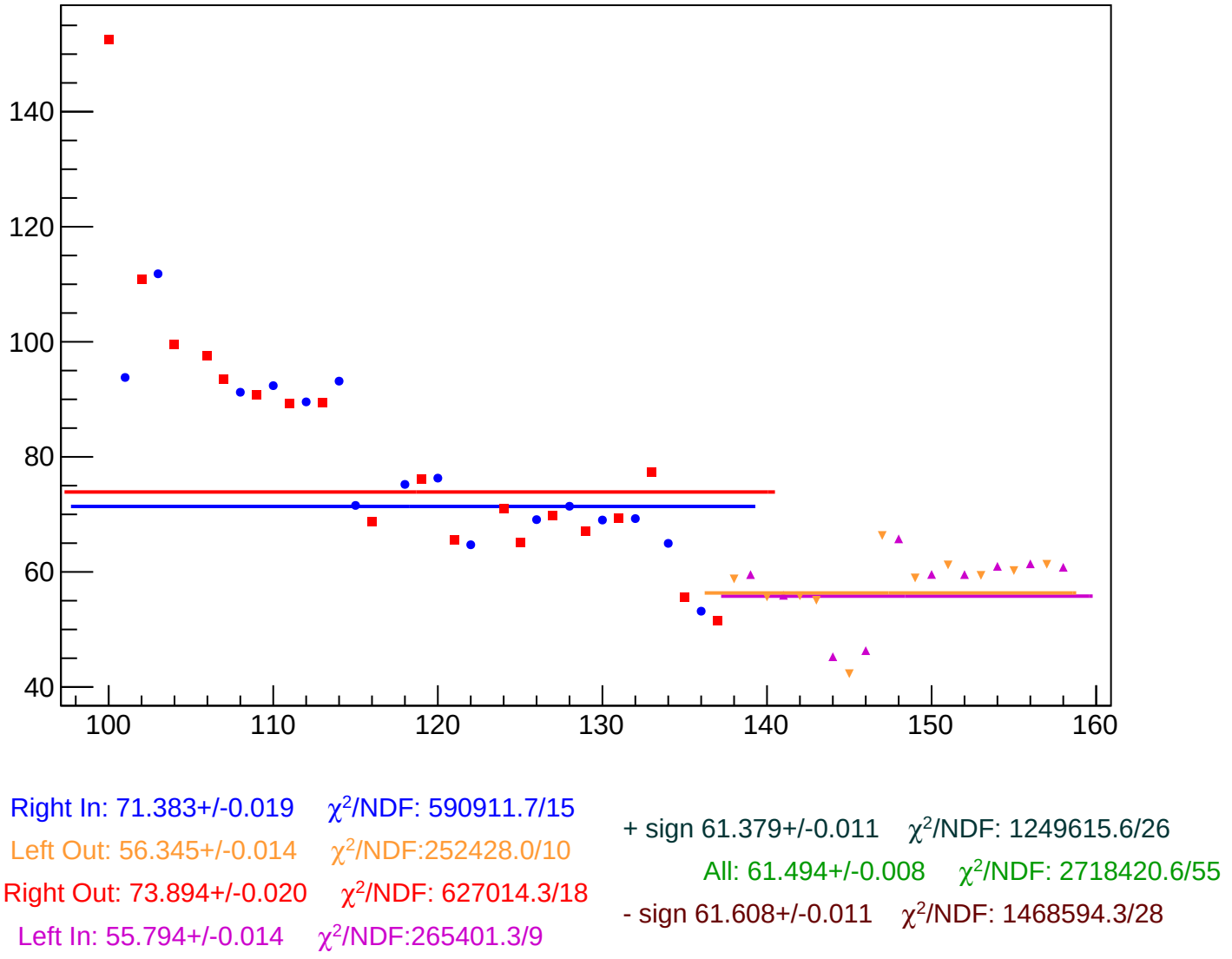
Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

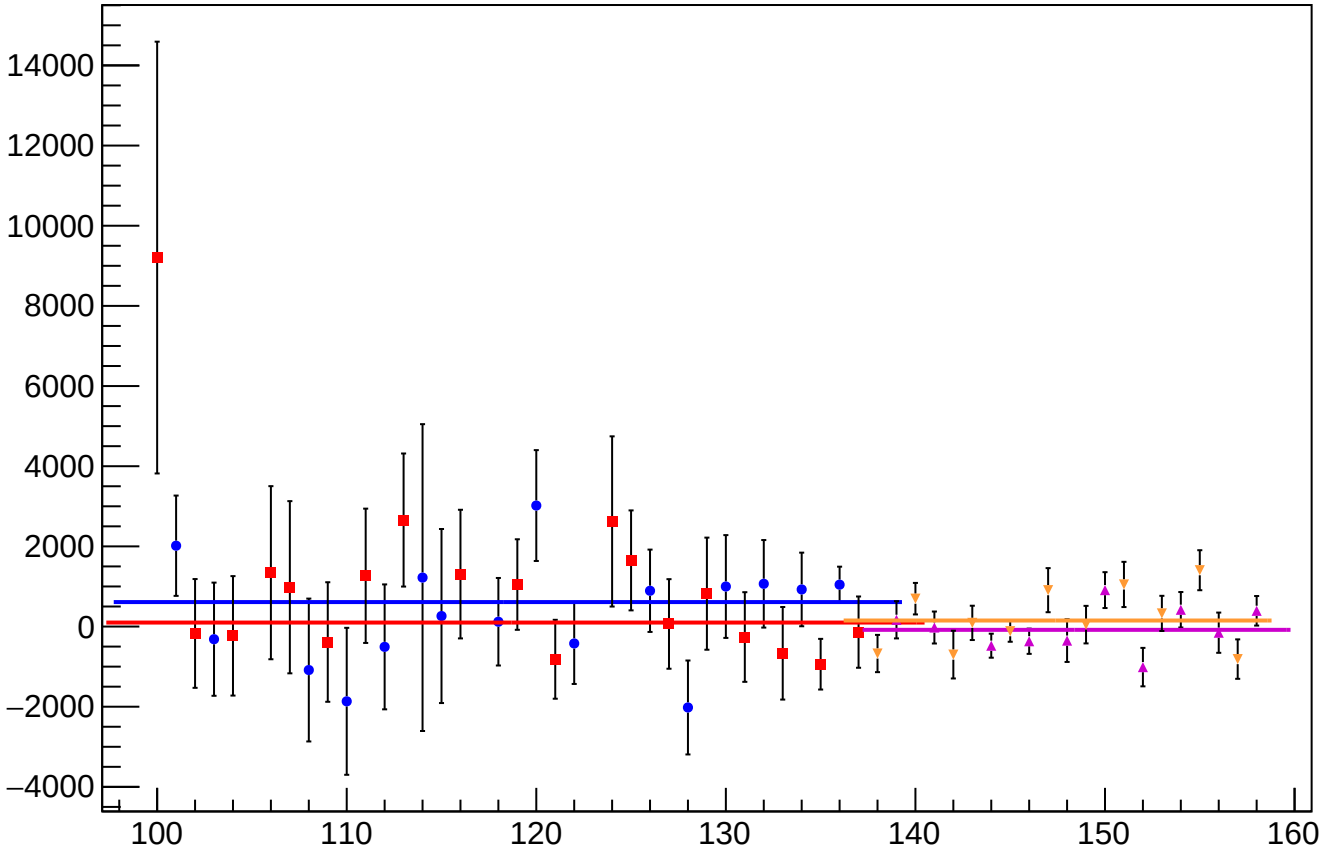
Left In: 35.738+/-19.113 χ^2/NDF:7.2/9

+ sign -36.233+/-15.745 χ^2/NDF: 37.9/26

All: -3.593+/-11.134 χ^2/NDF: 65.5/55

- sign 29.054+/-15.747 χ^2/NDF: 18.9/28


cor_asym_sam_15_26_dd_rms vs Slug
140
120
100
80
60
40
100
110
120
130
140
150
160
Right In: 71.383+/-0.019 χ²/NDF: 590911.7/15
Left Out: 56.345+/-0.014 χ²/NDF:252428.0/10
Right Out: 73.894+/-0.020 χ²/NDF: 627014.3/18
Left In: 55.794+/-0.014 χ²/NDF:265401.3/9
+ sign 61.379+/-0.011 χ²/NDF: 1249615.6/26
All: 61.494+/-0.008 χ²/NDF: 2718420.6/55
- sign 61.608+/-0.011 χ²/NDF: 1468594.3/28



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 150.607+/-131.192 χ^2/NDF:22.9/10

Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

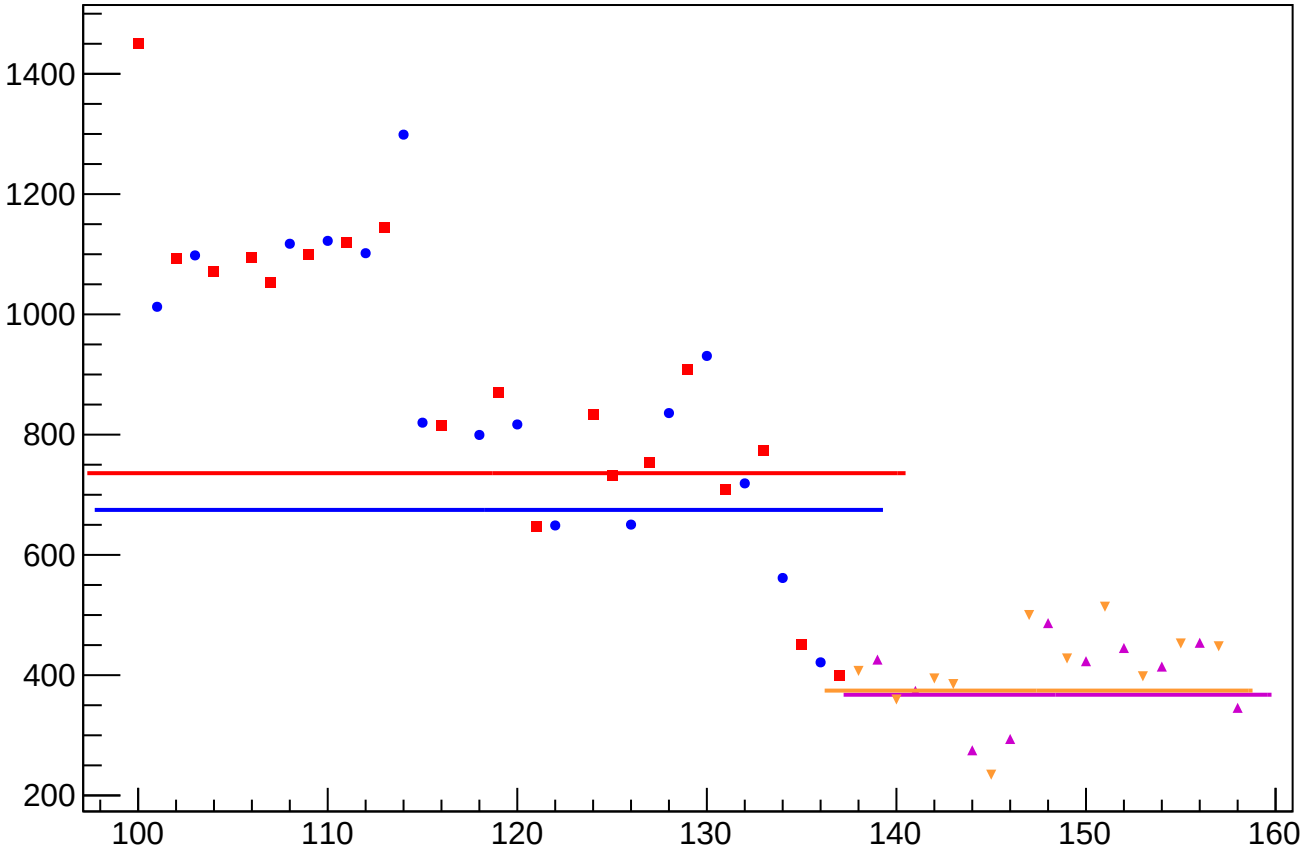
Left In: -82.360+/-127.555 χ^2/NDF:14.8/9

+ sign 240.161+/-117.729 χ^2/NDF: 41.0/26

All: 92.456+/-82.778 χ^2/NDF: 74.3/55

- sign -51.971+/-116.415 χ^2/NDF: 30.2/28

asym_sam_15_26_dd_cor_correction_rms vs Slug



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 374.344+/-0.093 χ^2/NDF:931506.3/10

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

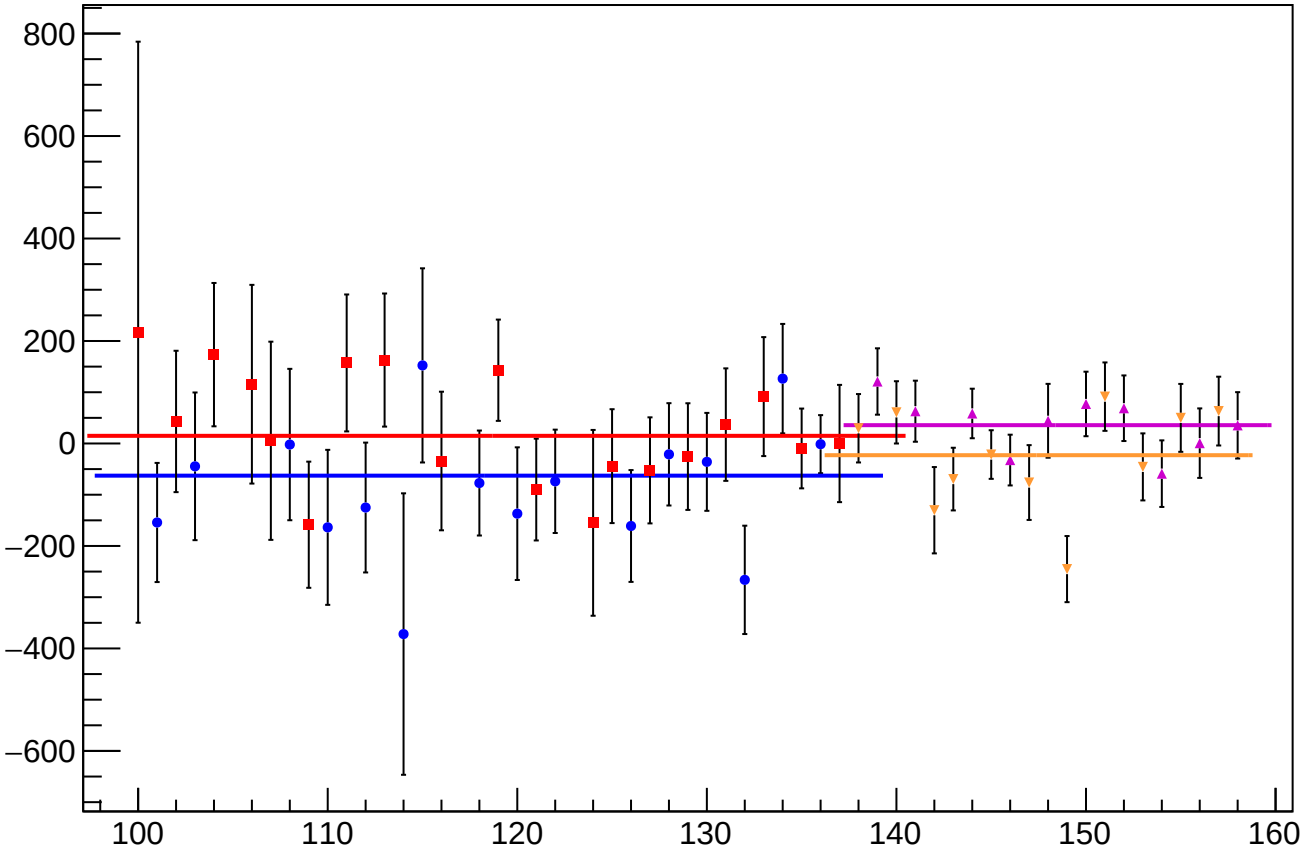
Left In: 367.474+/-0.090 χ^2/NDF:603942.0/9

+ sign 432.852+/-0.083 χ^2/NDF: 4592053.4/26

All: 430.915+/-0.059 χ^2/NDF: 9481586.1/55

- sign 429.022+/-0.082 χ^2/NDF: 4888462.7/28

eigen_cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -22.869+/-19.304 χ^2/NDF:23.0/10

Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

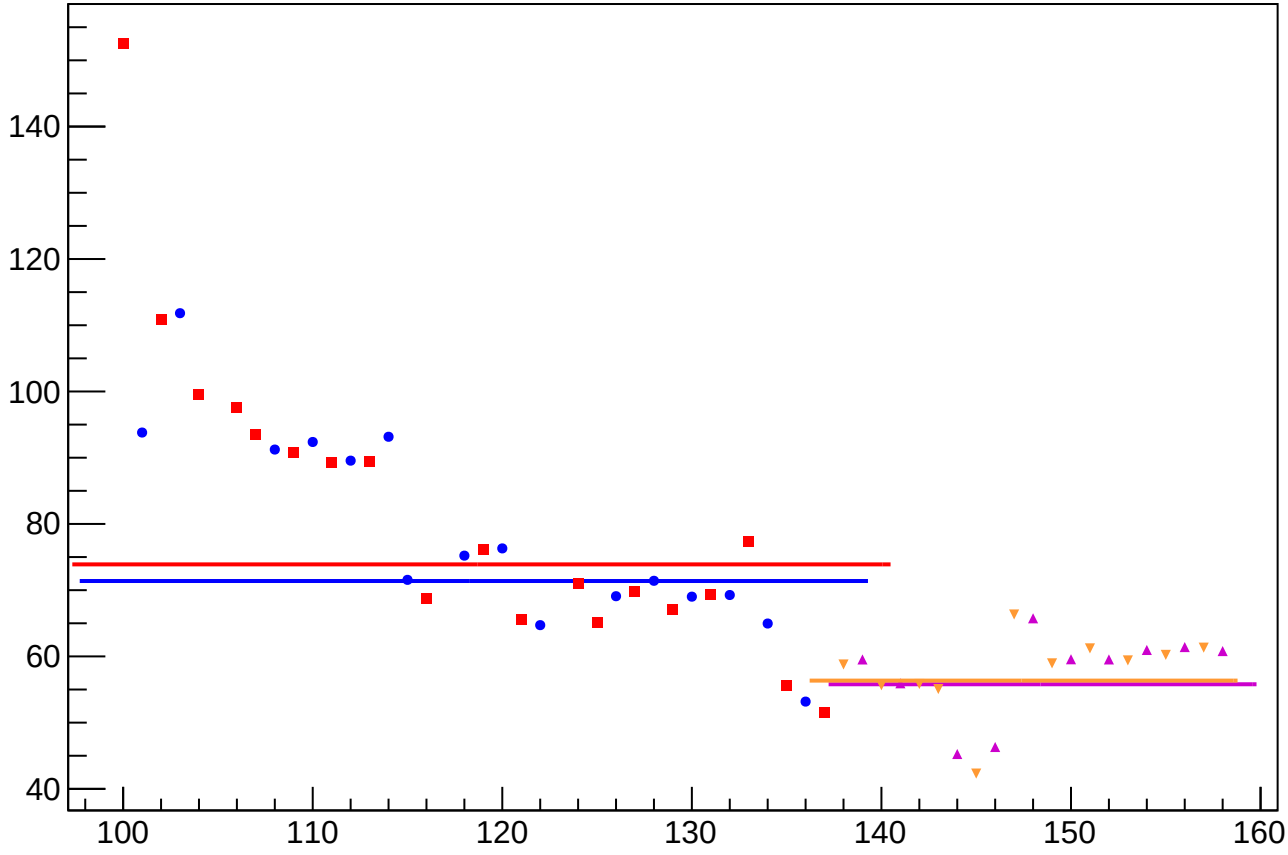
Left In: 35.738+/-19.113 χ^2/NDF:7.2/9

+ sign -36.233+/-15.745 χ^2/NDF: 37.9/26

All: -3.593+/-11.134 χ^2/NDF: 65.5/55

- sign 29.054+/-15.747 χ^2/NDF: 18.9/28

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 56.345+/-0.014 χ^2/NDF:252428.0/10

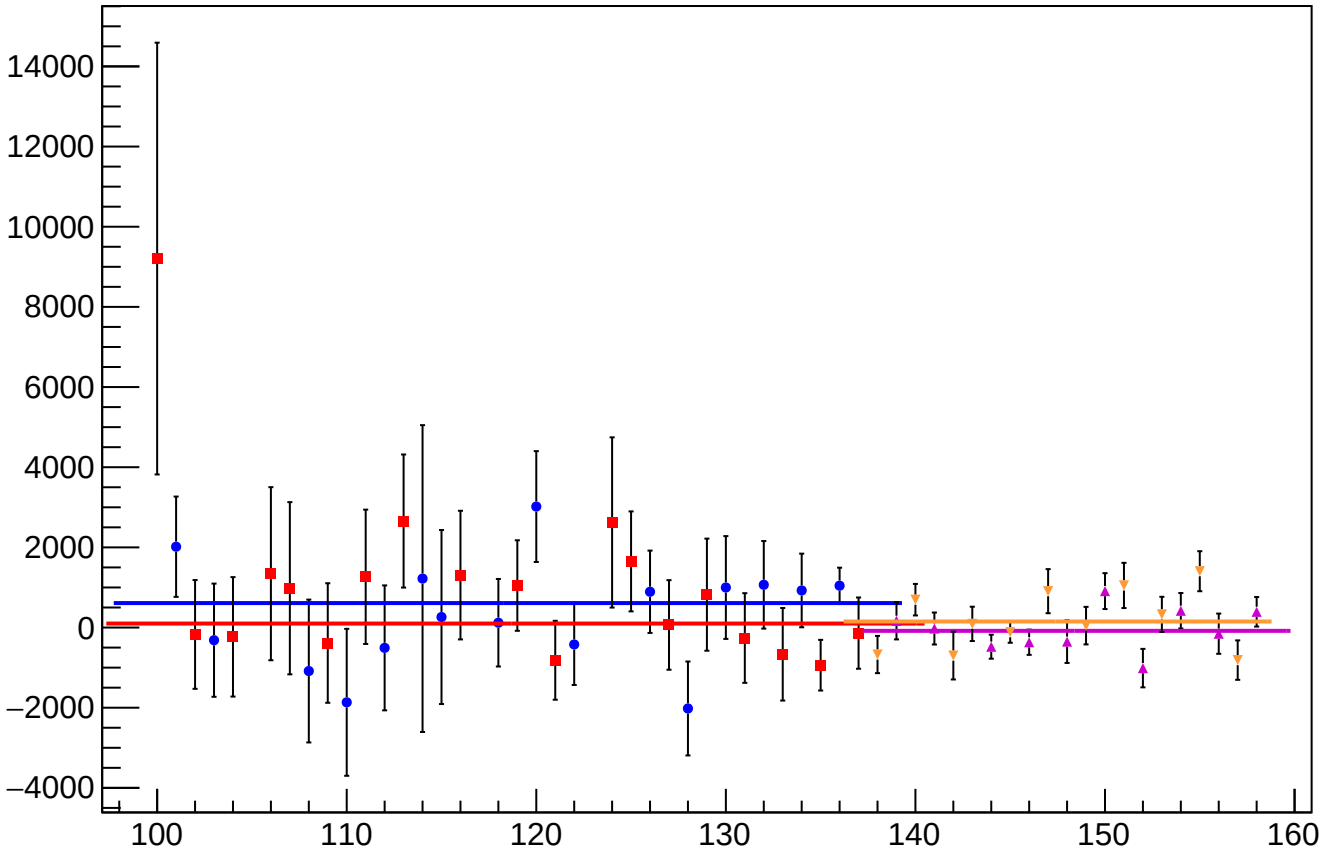
Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 55.794+/-0.014 χ^2/NDF:265401.3/9

+ sign 61.379+/-0.011 χ^2/NDF: 1249615.6/26

All: 61.494+/-0.008 χ^2/NDF: 2718420.6/55

- sign 61.608+/-0.011 χ^2/NDF: 1468594.3/28



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 150.607+/-131.192 χ^2/NDF:22.9/10

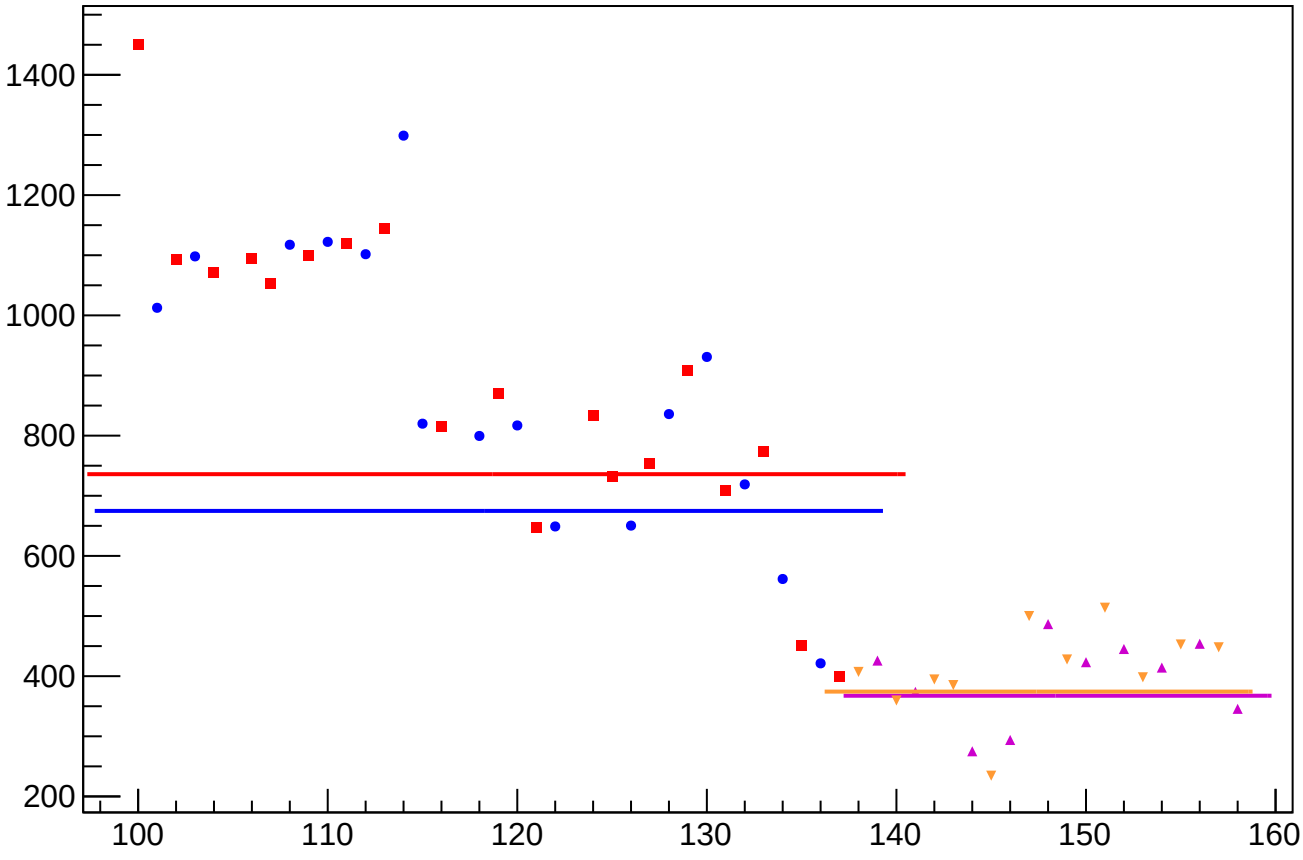
Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -82.360+/-127.555 χ^2/NDF:14.8/9

+ sign 240.161+/-117.729 χ^2/NDF: 41.0/26

All: 92.456+/-82.778 χ^2/NDF: 74.3/55

- sign -51.971+/-116.415 χ^2/NDF: 30.2/28



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 374.344+/-0.093 χ^2/NDF:931506.3/10

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

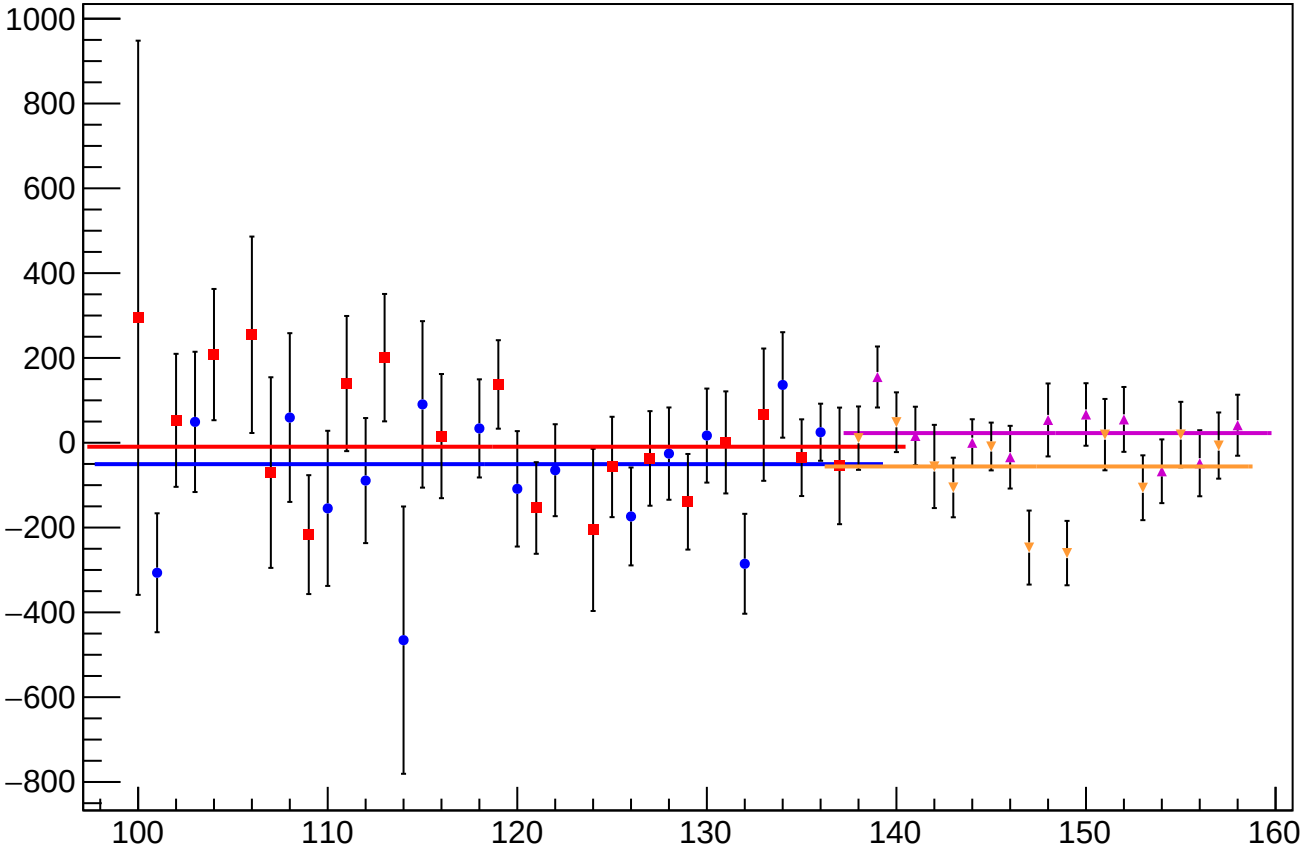
Left In: 367.474+/-0.090 χ^2/NDF:603942.0/9

+ sign 432.852+/-0.083 χ^2/NDF: 4592053.4/26

All: 430.915+/-0.059 χ^2/NDF: 9481586.1/55

- sign 429.022+/-0.082 χ^2/NDF: 4888462.7/28

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -55.939+/-22.641 χ^2/NDF:18.8/10

Right Out: -9.380+/-31.235 χ^2/NDF: 15.6/18

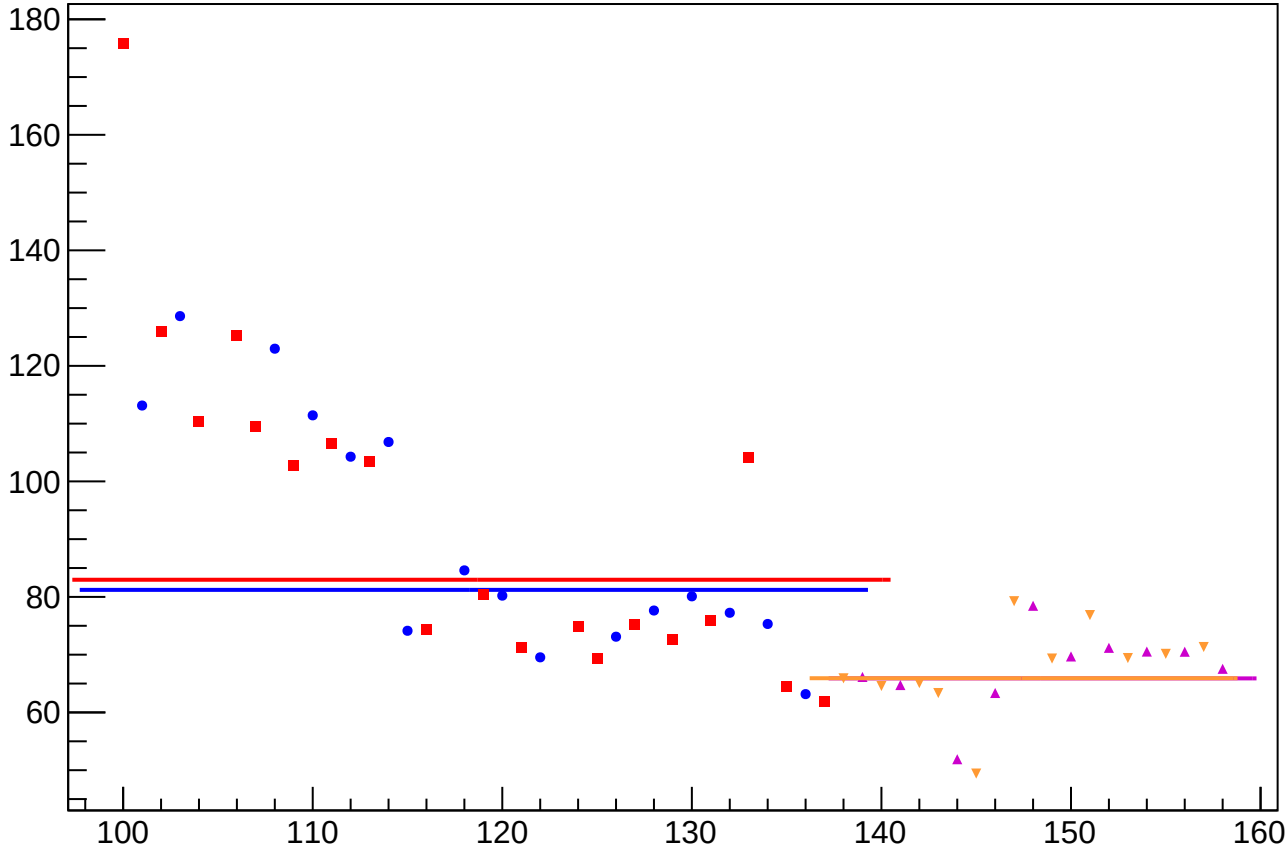
Left In: 22.784+/-22.717 χ^2/NDF:7.1/9

+ sign -54.040+/-18.296 χ^2/NDF: 35.2/26

All: -21.327+/-12.964 χ^2/NDF: 65.1/55

- sign 11.656+/-18.372 χ^2/NDF: 23.4/28

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 65.922+/-0.016 χ^2/NDF:279334.0/10

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

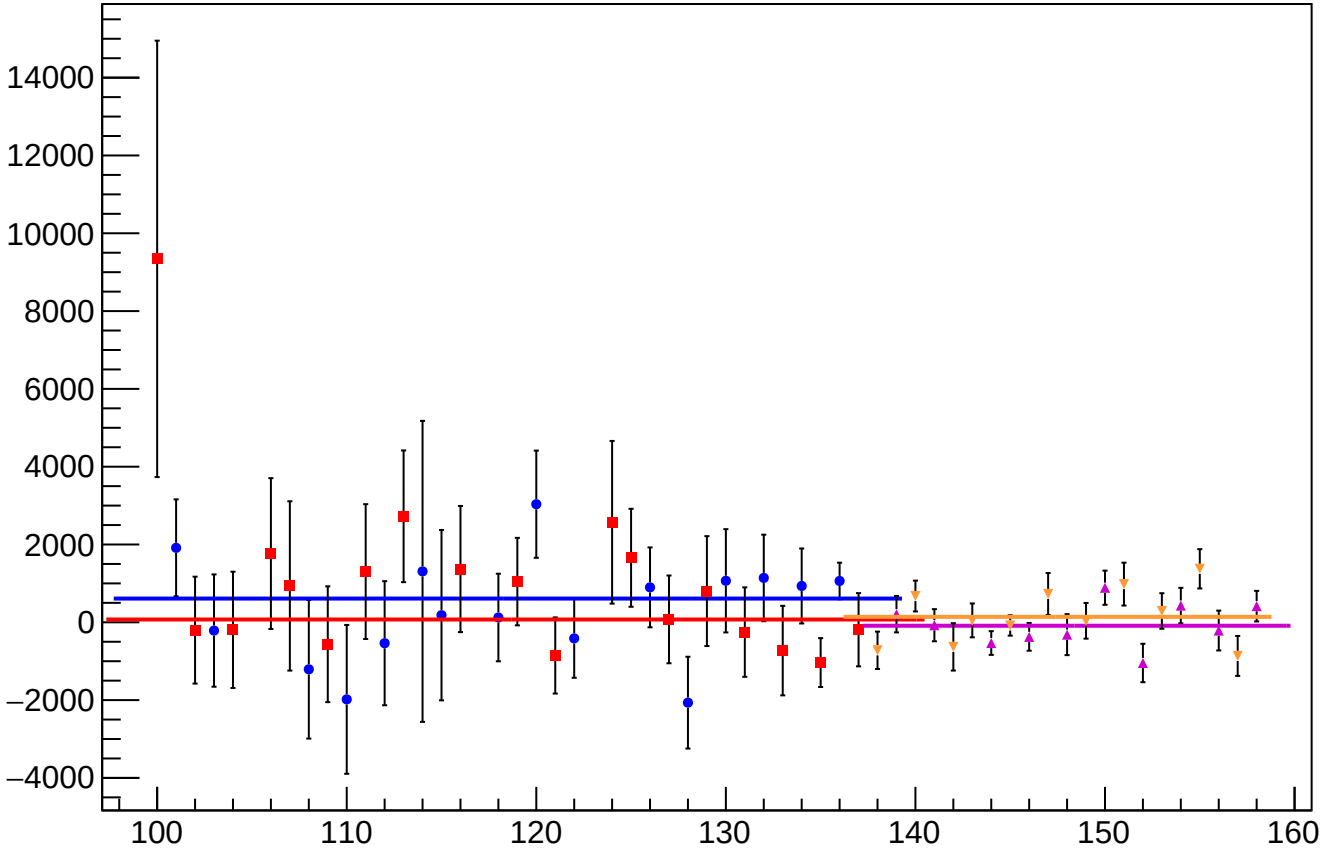
Left In: 65.893+/-0.016 χ^2/NDF:203695.3/9

+ sign 71.229+/-0.013 χ^2/NDF: 1258920.5/26

All: 71.514+/-0.009 χ^2/NDF: 2585014.5/55

- sign 71.801+/-0.013 χ^2/NDF: 1325120.7/28

asym_sam_15_26_dd_dit_correction_mean vs Slug



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: 140.156+/-132.207 χ^2/NDF:20.9/10

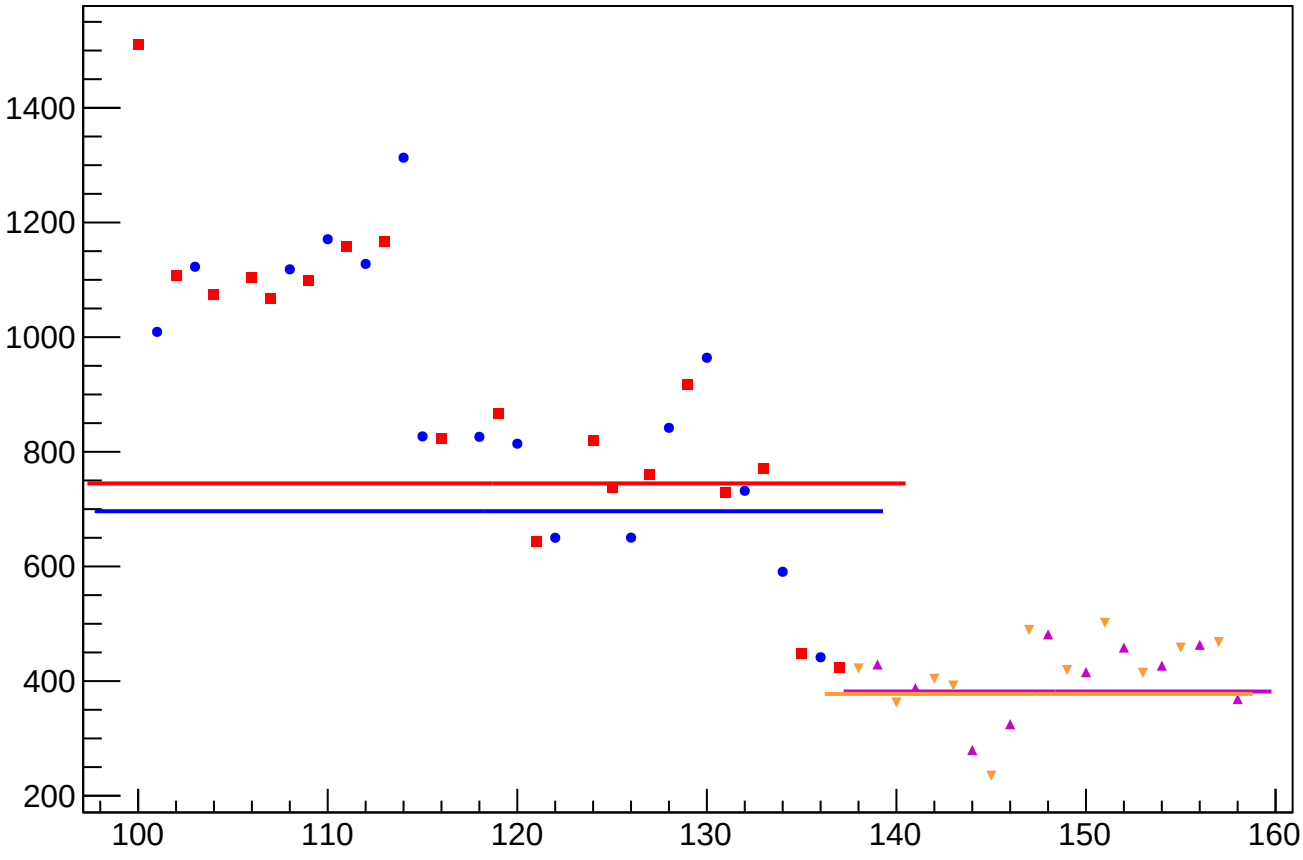
Right Out: 72.311+/-286.830 χ^2/NDF: 16.2/18

Left In: -88.265+/-132.364 χ^2/NDF:15.1/9

+ sign 228.967+/-119.070 χ^2/NDF: 39.1/26

All: 85.793+/-84.586 χ^2/NDF: 73.5/55

- sign -60.073+/-120.184 χ^2/NDF: 31.5/28



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 377.617+/-0.093 χ^2/NDF:946973.7/10

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

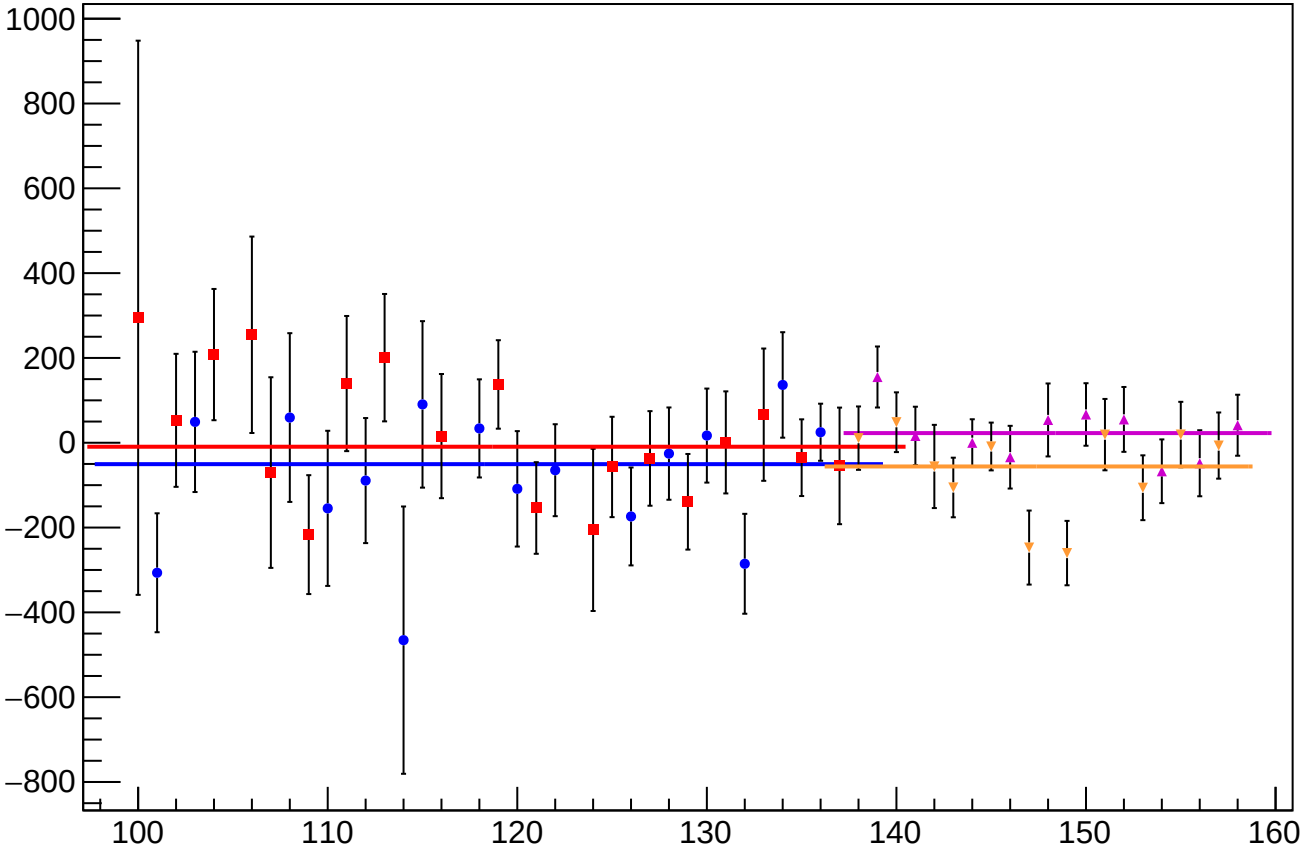
Left In: 381.866+/-0.094 χ^2/NDF:499322.4/9

+ sign 437.820+/-0.084 χ^2/NDF: 4658231.1/26

All: 441.673+/-0.060 χ^2/NDF: 9301149.7/55

- sign 445.599+/-0.085 χ^2/NDF: 4638689.9/28

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -55.938+/-22.641 χ^2/NDF:18.8/10

Right Out: -9.381+/-31.235 χ^2/NDF: 15.6/18

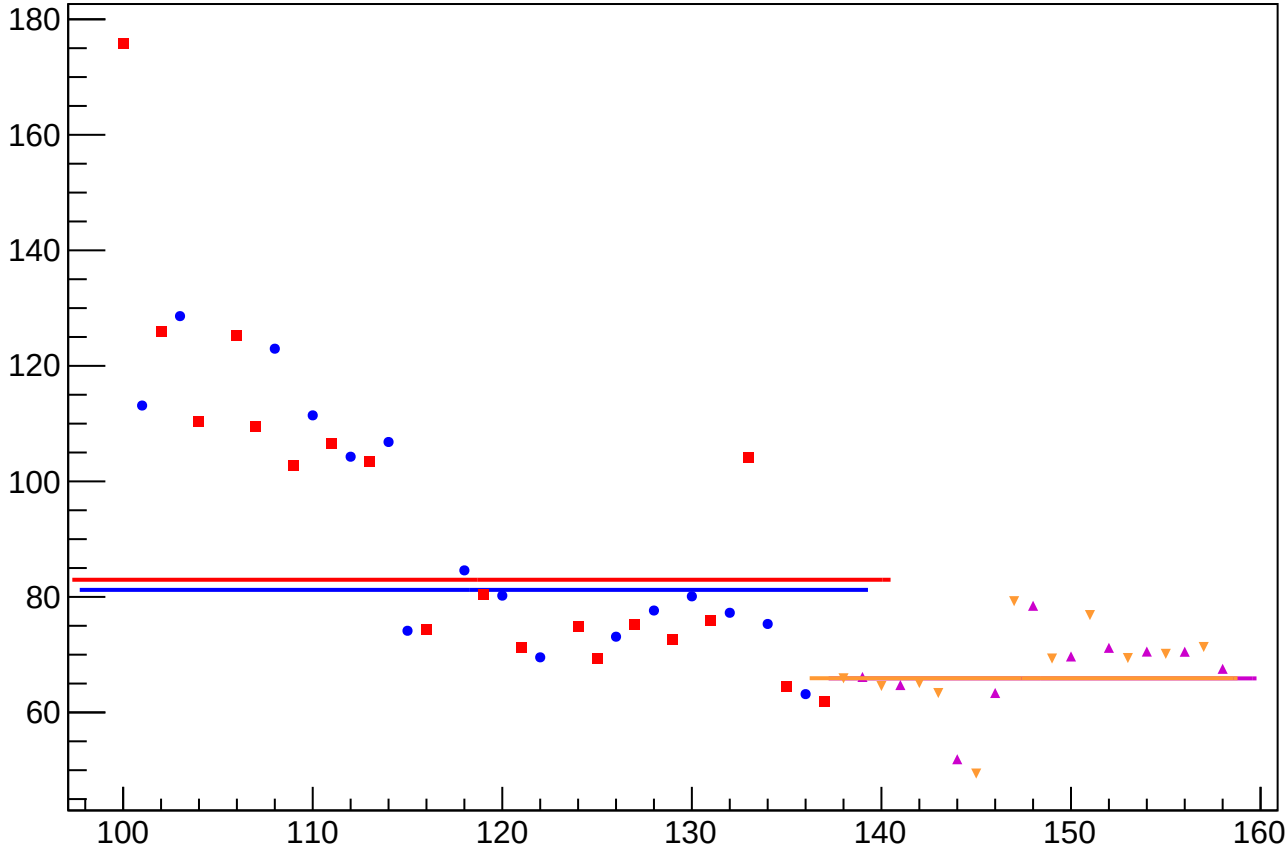
Left In: 22.783+/-22.717 χ^2/NDF:7.1/9

+ sign -54.039+/-18.296 χ^2/NDF: 35.2/26

All: -21.327+/-12.964 χ^2/NDF: 65.1/55

- sign 11.655+/-18.372 χ^2/NDF: 23.4/28

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 65.923+/-0.016 χ^2/NDF:279328.9/10

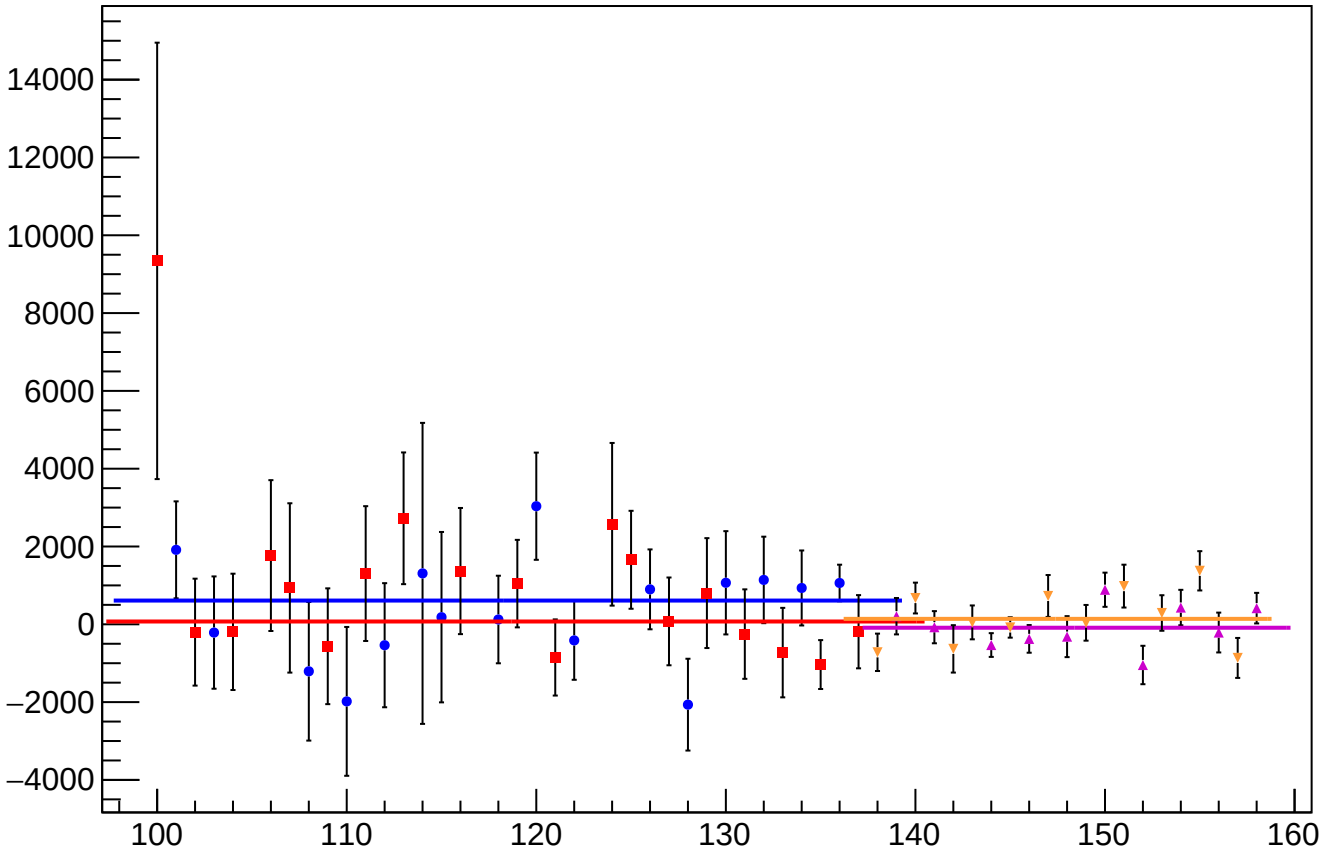
Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 65.893+/-0.016 χ^2/NDF:203693.2/9

+ sign 71.229+/-0.013 χ^2/NDF: 1258876.9/26

All: 71.514+/-0.009 χ^2/NDF: 2584938.8/55

- sign 71.801+/-0.013 χ^2/NDF: 1325088.6/28



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: 140.157+/-132.207 χ^2/NDF:20.9/10

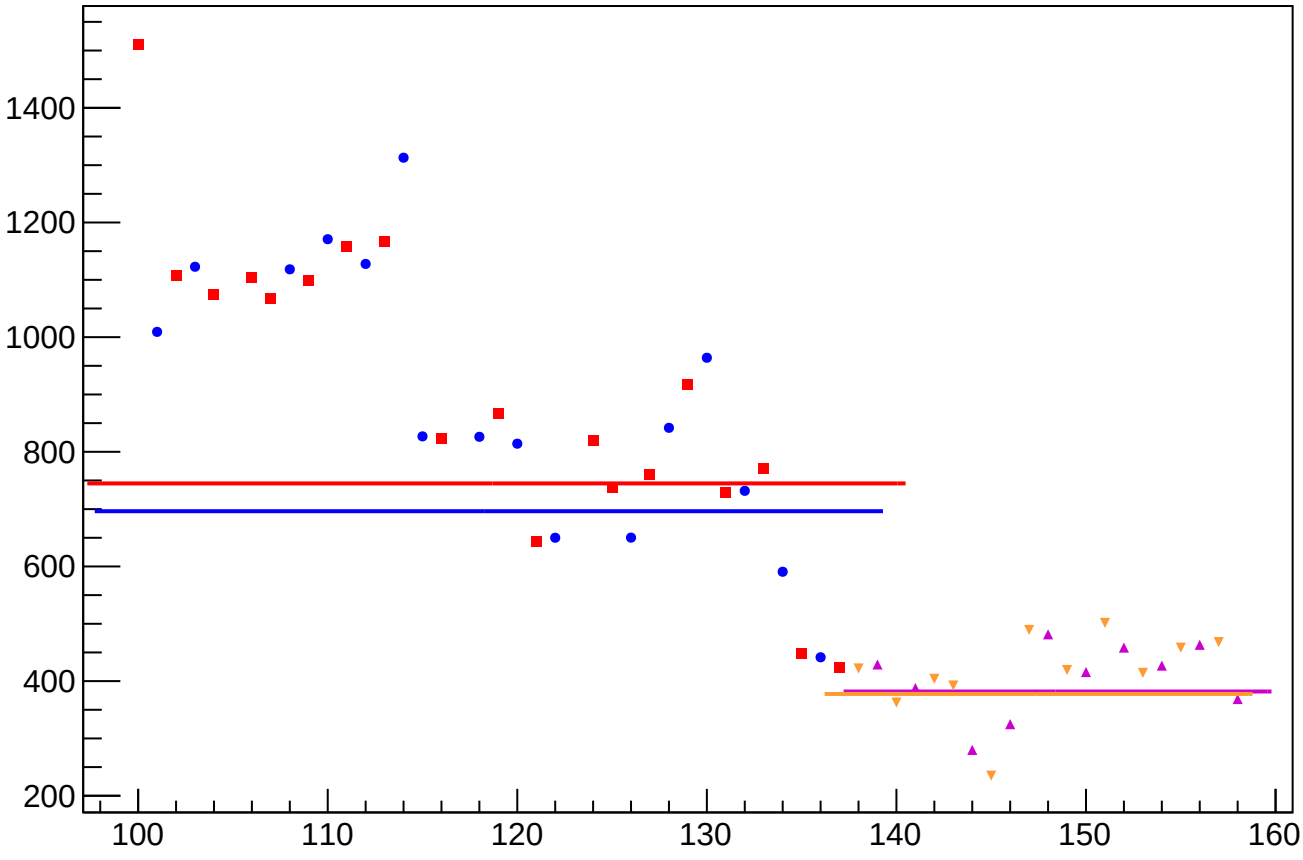
Right Out: 72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: -88.265+/-132.364 χ^2/NDF:15.1/9

\+ sign 228.968+/-119.070 χ^2/NDF: 39.1/26

All: 85.793+/-84.586 χ^2/NDF: 73.5/55

\- sign -60.073+/-120.184 χ^2/NDF: 31.5/28



Right In: 696.370+/-0.194 χ^2/NDF: 1515461.8/15

Left Out: 377.617+/-0.093 χ^2/NDF:946994.4/10

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

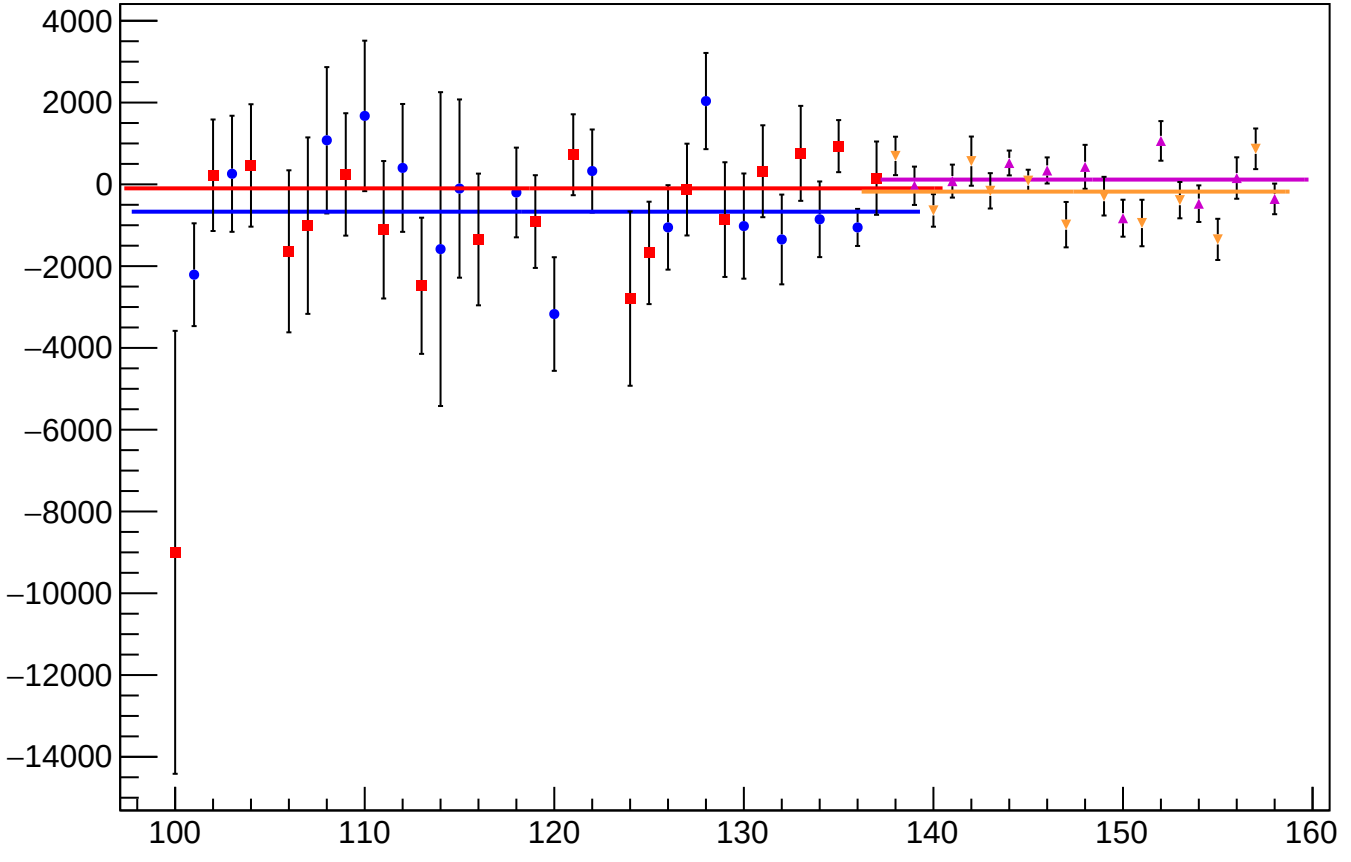
Left In: 381.867+/-0.094 χ^2/NDF:499330.2/9

+ sign 437.820+/-0.084 χ^2/NDF: 4658230.9/26

All: 441.673+/-0.060 χ^2/NDF: 9301134.8/55

- sign 445.599+/-0.085 χ^2/NDF: 4638675.0/28

asym_sam_15_26_dd_mean vs Slug



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -177.577+/-132.715 χ^2/NDF:21.4/10

Right Out: -98.003+/-285.882 χ^2/NDF: 14.8/18

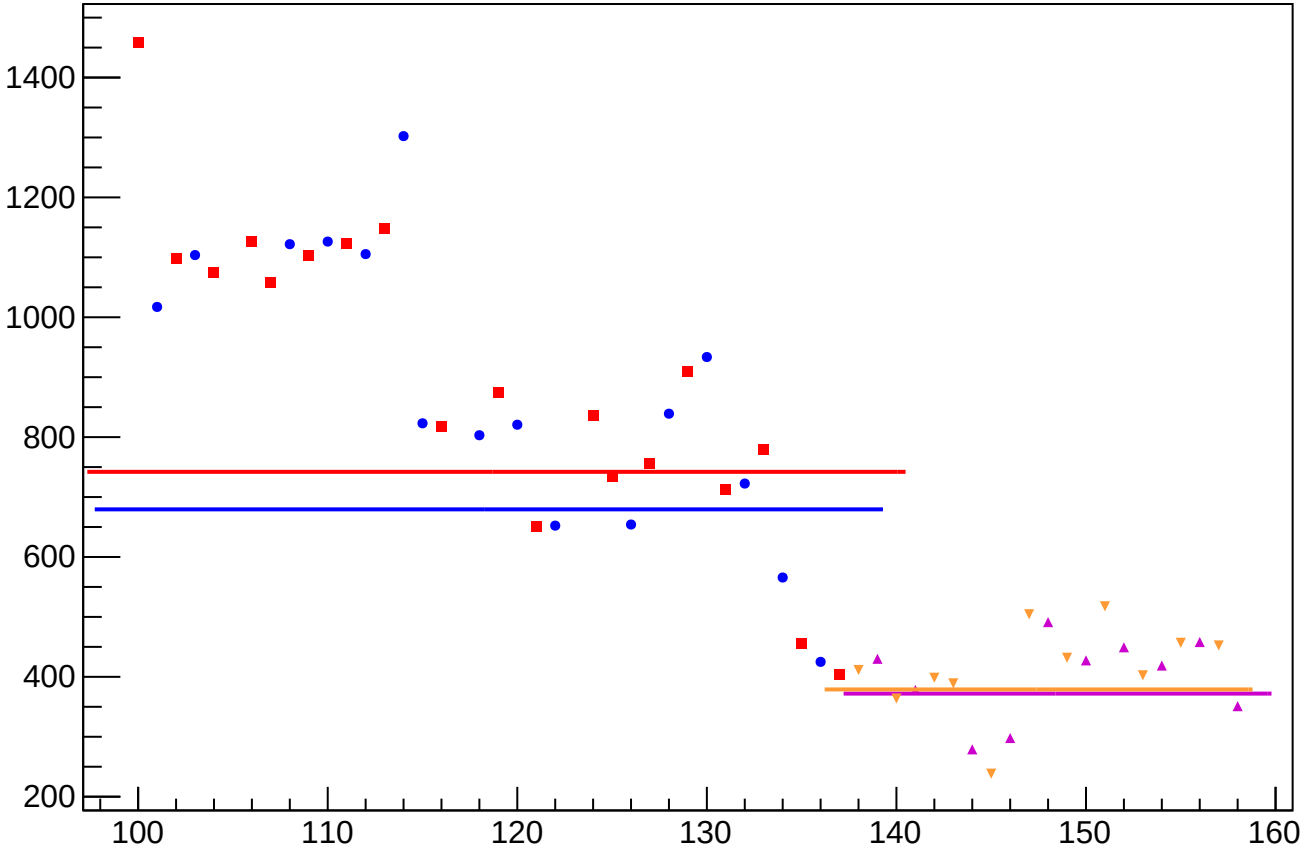
Left In: 116.496+/-129.075 χ^2/NDF:14.2/9

+ sign -273.995+/-118.971 χ^2/NDF: 40.2/26

All: -94.919+/-83.651 χ^2/NDF: 74.2/55

- sign 80.174+/-117.640 χ^2/NDF: 29.5/28

asym_sam_15_26_dd_rms vs Slug



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 378.982+/-0.094 χ^2/NDF:909447.3/10

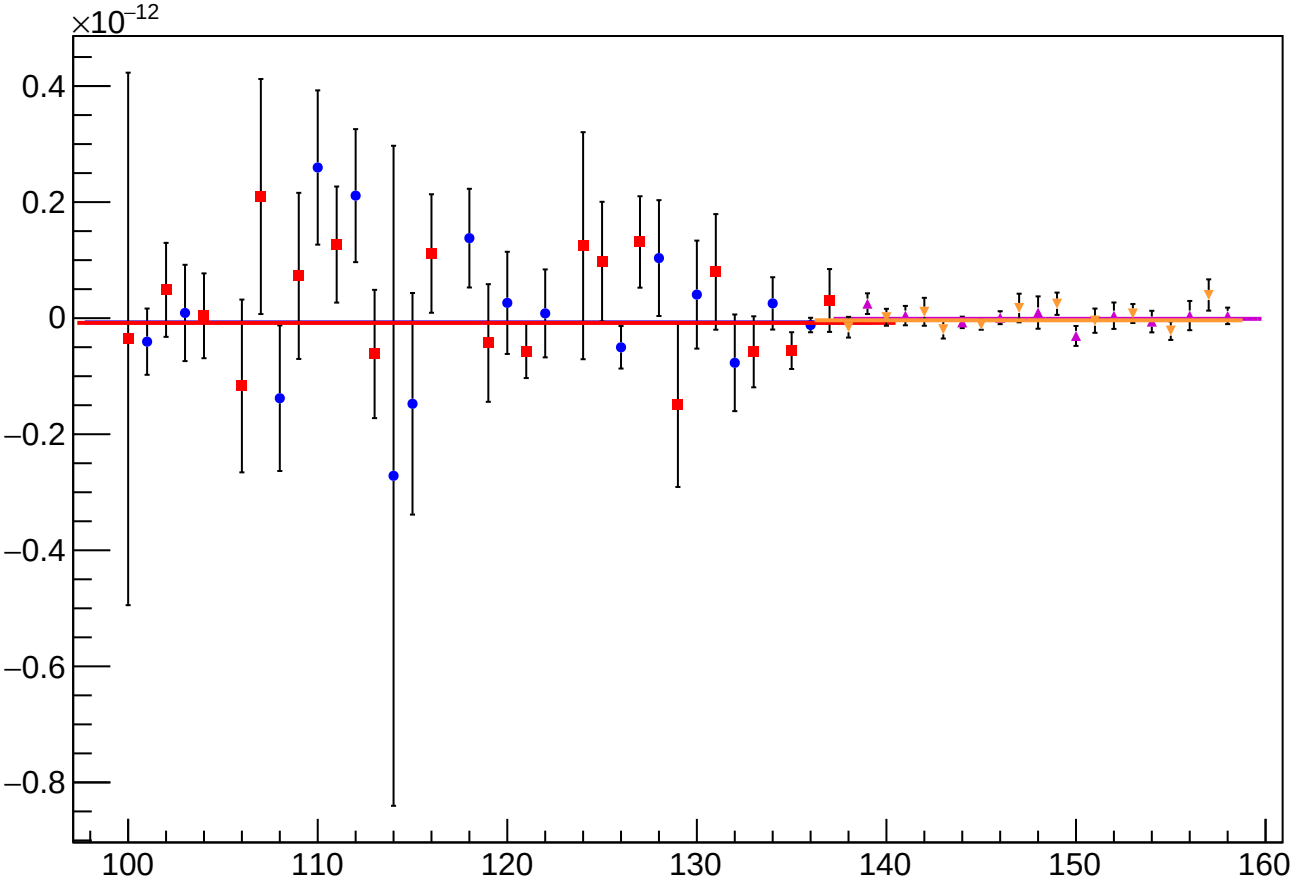
Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 372.033+/-0.091 χ^2/NDF:591941.1/9

+ sign 437.998+/-0.084 χ^2/NDF: 4524022.7/26

All: 436.327+/-0.059 χ^2/NDF: 9404697.9/55

- sign 434.694+/-0.083 χ^2/NDF: 4879895.0/28



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.9/10

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

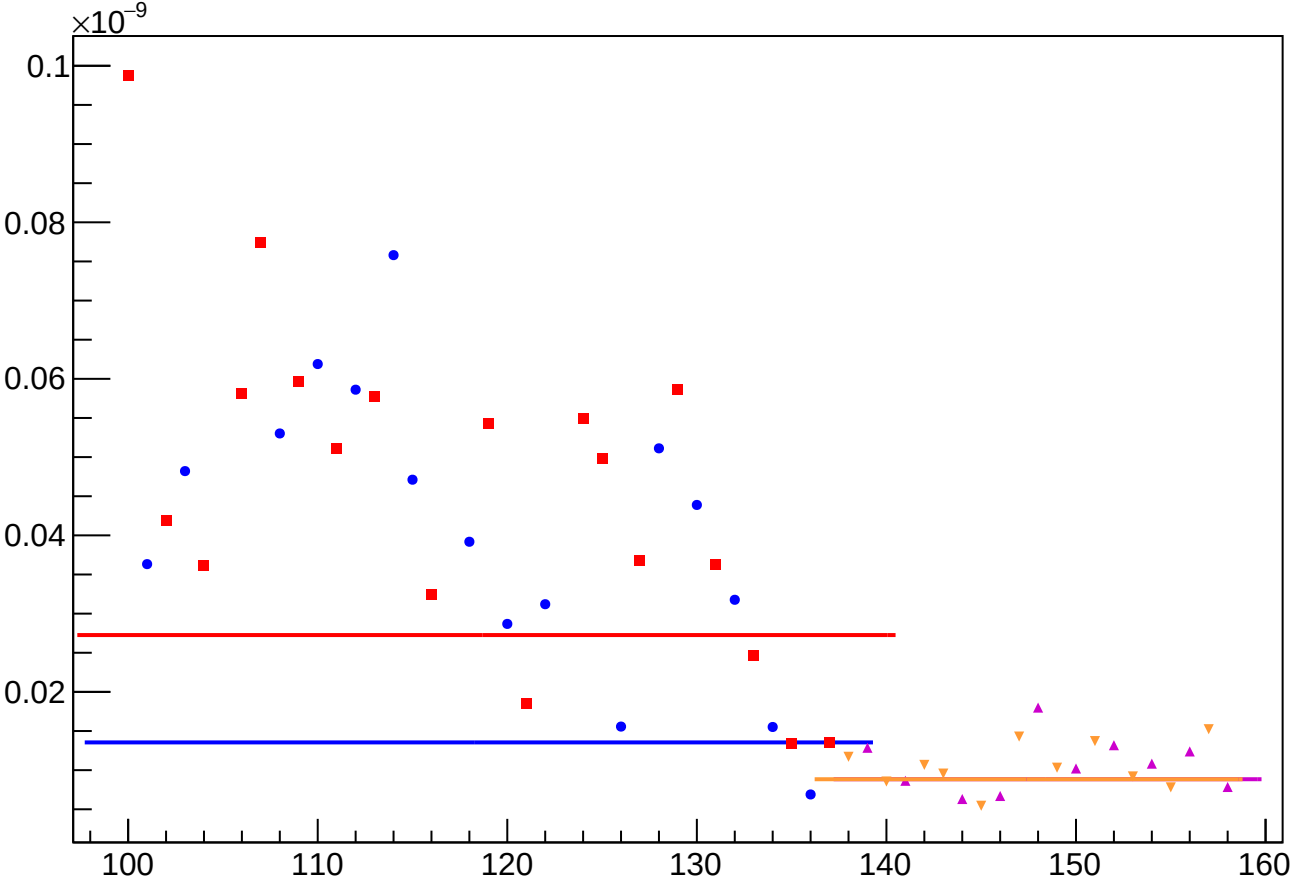
Left In: -0.000+/-0.000 χ^2/NDF:6.1/9

+ sign -0.000+/-0.000 χ^2/NDF: 27.2/26

All: -0.000+/-0.000 χ^2/NDF: 50.6/55

- sign -0.000+/-0.000 χ^2/NDF: 23.2/28

asym_sam_15_26_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:705461.0/10

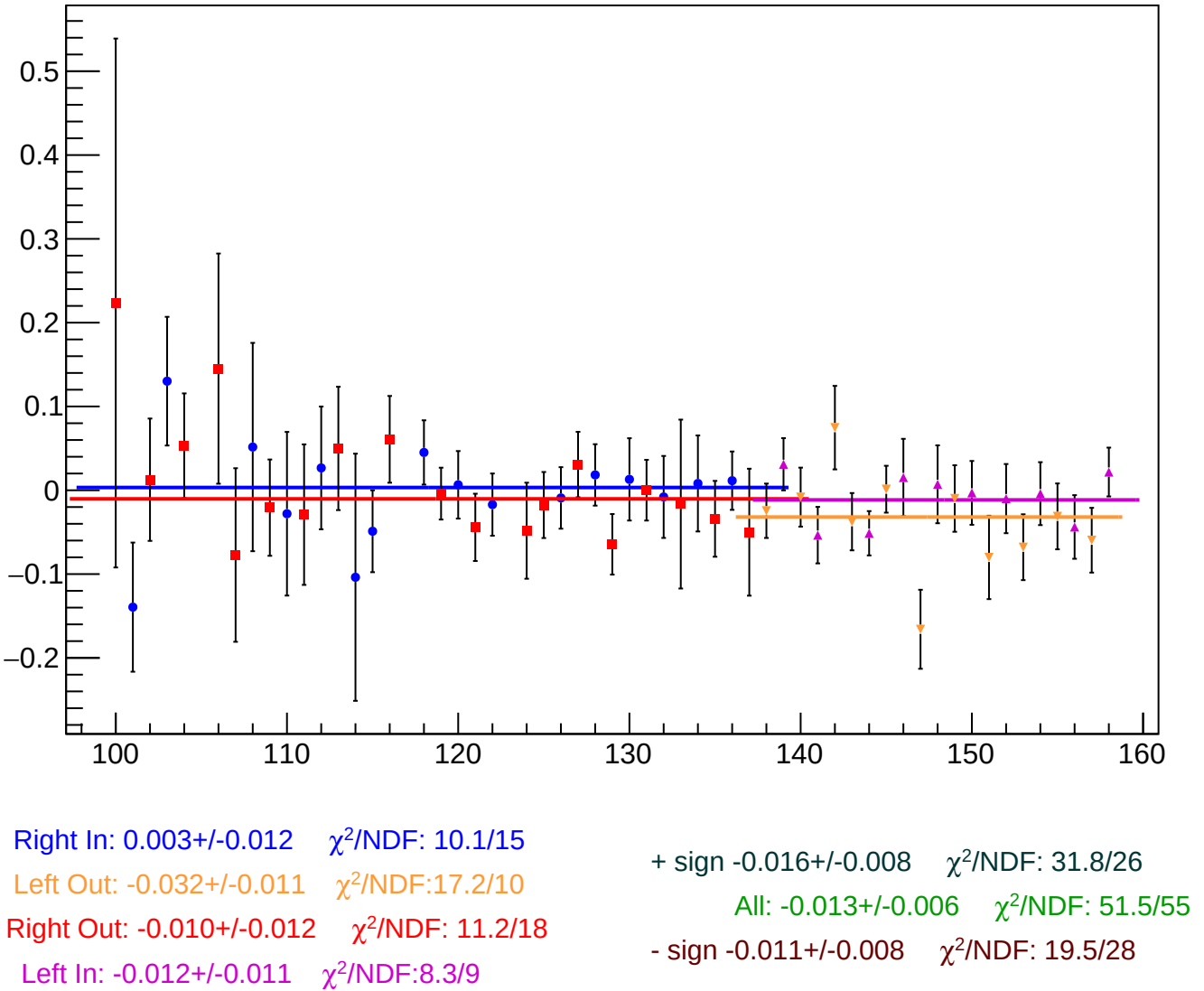
Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

Left In: 0.000+/-0.000 χ^2/NDF:680871.6/9

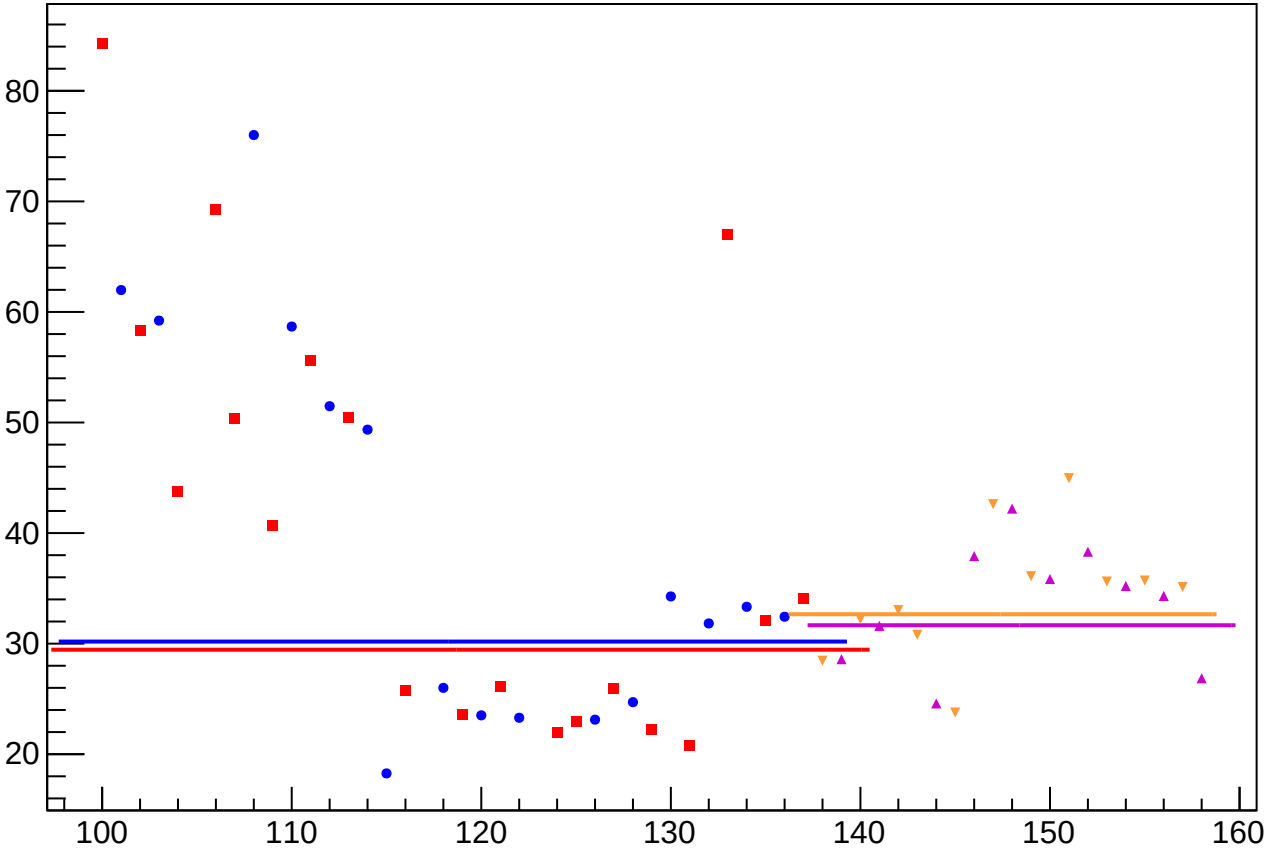
+ sign 0.000+/-0.000 χ^2/NDF: 4083507.8/26

All: 0.000+/-0.000 χ^2/NDF: 8607615.1/55

- sign 0.000+/-0.000 χ^2/NDF: 4510014.1/28


asym_sam_15_26_dd_dit_vs_cor_diff_mean vs Slug
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
Right In: 0.003+/-0.012 χ²/NDF: 10.1/15
Left Out: -0.032+/-0.011 χ²/NDF:17.2/10
Right Out: -0.010+/-0.012 χ²/NDF: 11.2/18
Left In: -0.012+/-0.011 χ²/NDF:8.3/9
+ sign -0.016+/-0.008 χ²/NDF: 31.8/26
All: -0.013+/-0.006 χ²/NDF: 51.5/55
- sign -0.011+/-0.008 χ²/NDF: 19.5/28

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 32.659+/-0.008 χ^2/NDF:500527.6/10

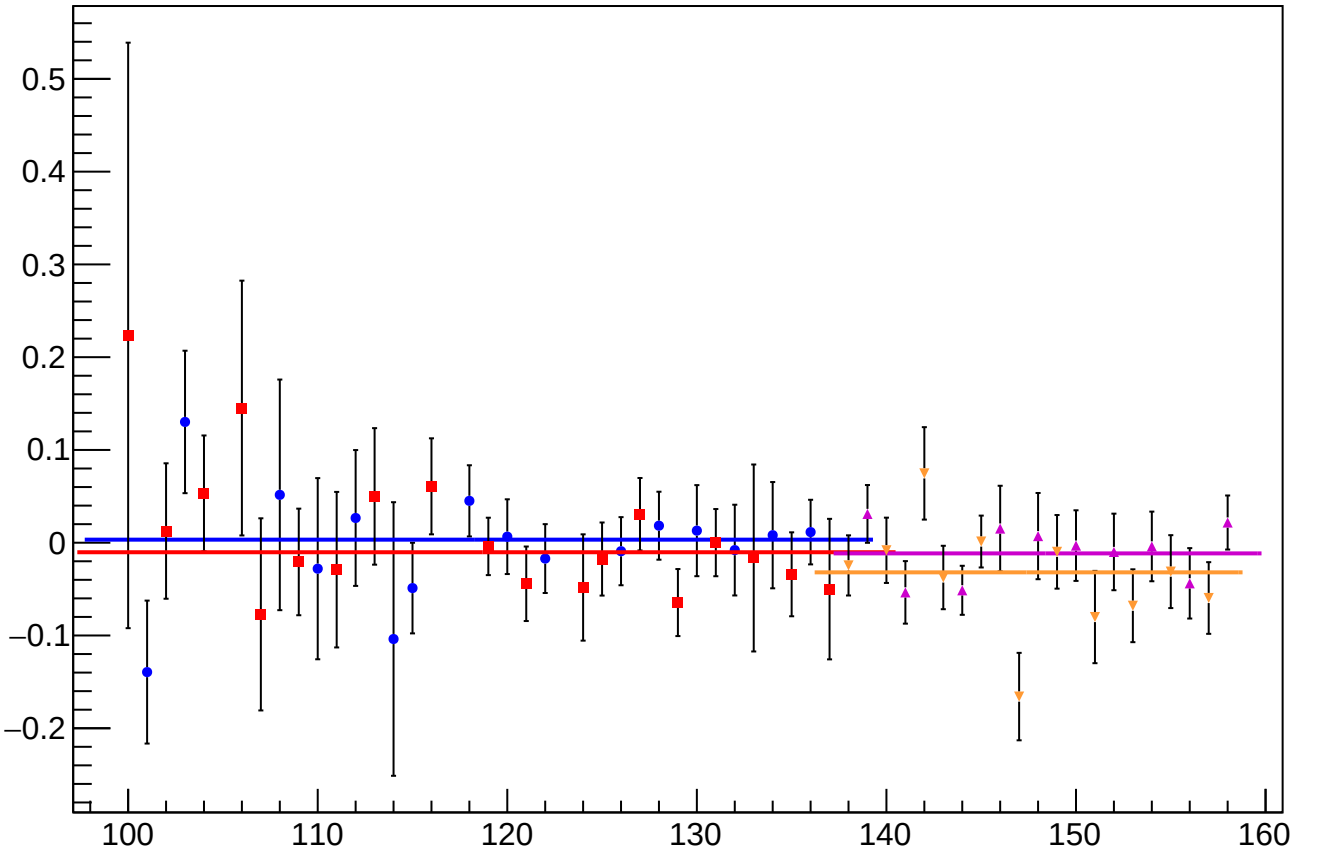
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 31.664+/-0.008 χ^2/NDF:460182.1/9

+ sign 31.520+/-0.006 χ^2/NDF: 2231601.7/26

All: 31.060+/-0.004 χ^2/NDF: 4589491.0/55

- sign 30.628+/-0.006 χ^2/NDF: 2346099.8/28



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.032+/-0.011 χ^2/NDF:17.2/10

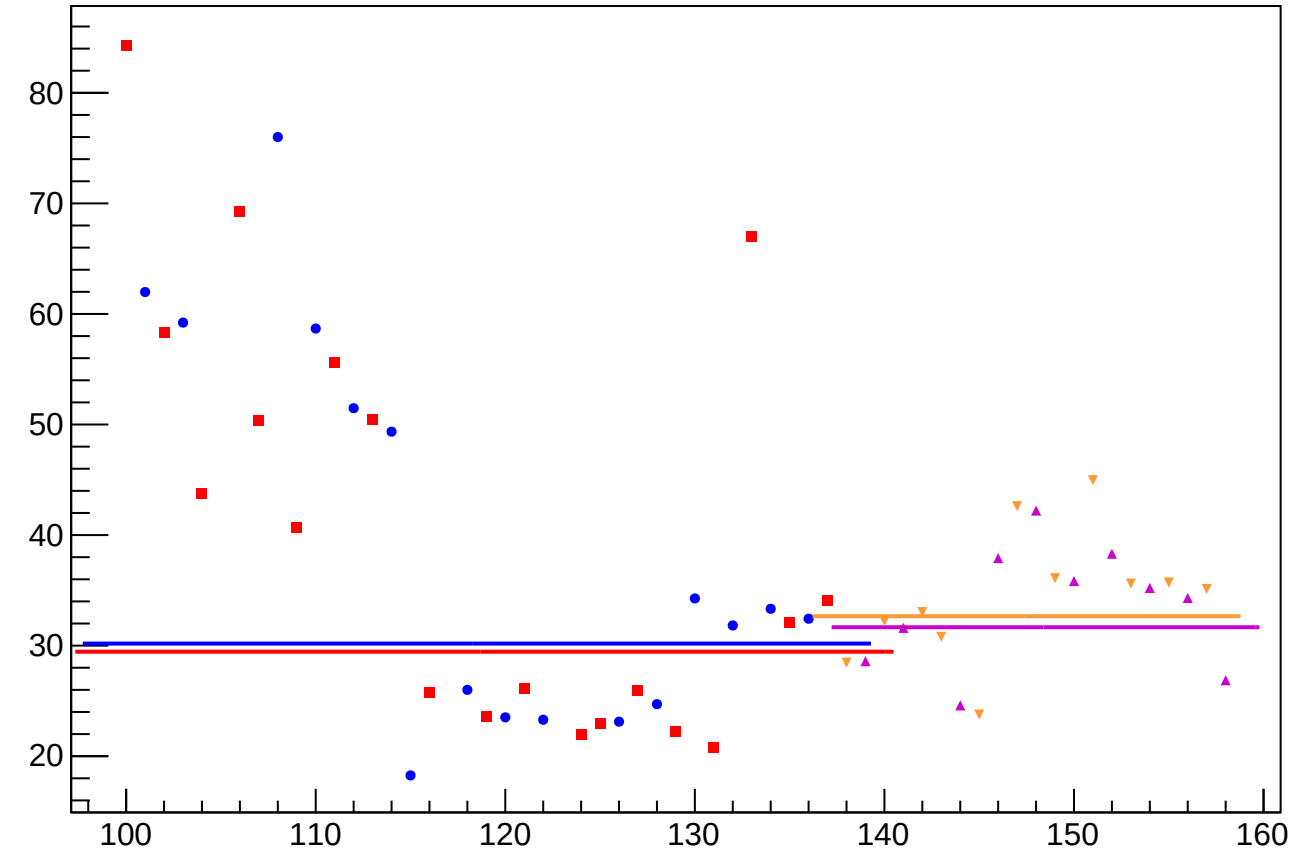
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.012+/-0.011 χ^2/NDF:8.3/9

+ sign -0.016+/-0.008 χ^2/NDF: 31.8/26

All: -0.013+/-0.006 χ^2/NDF: 51.5/55

- sign -0.011+/-0.008 χ^2/NDF: 19.5/28



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 32.659+/-0.008 χ^2/NDF:500527.6/10

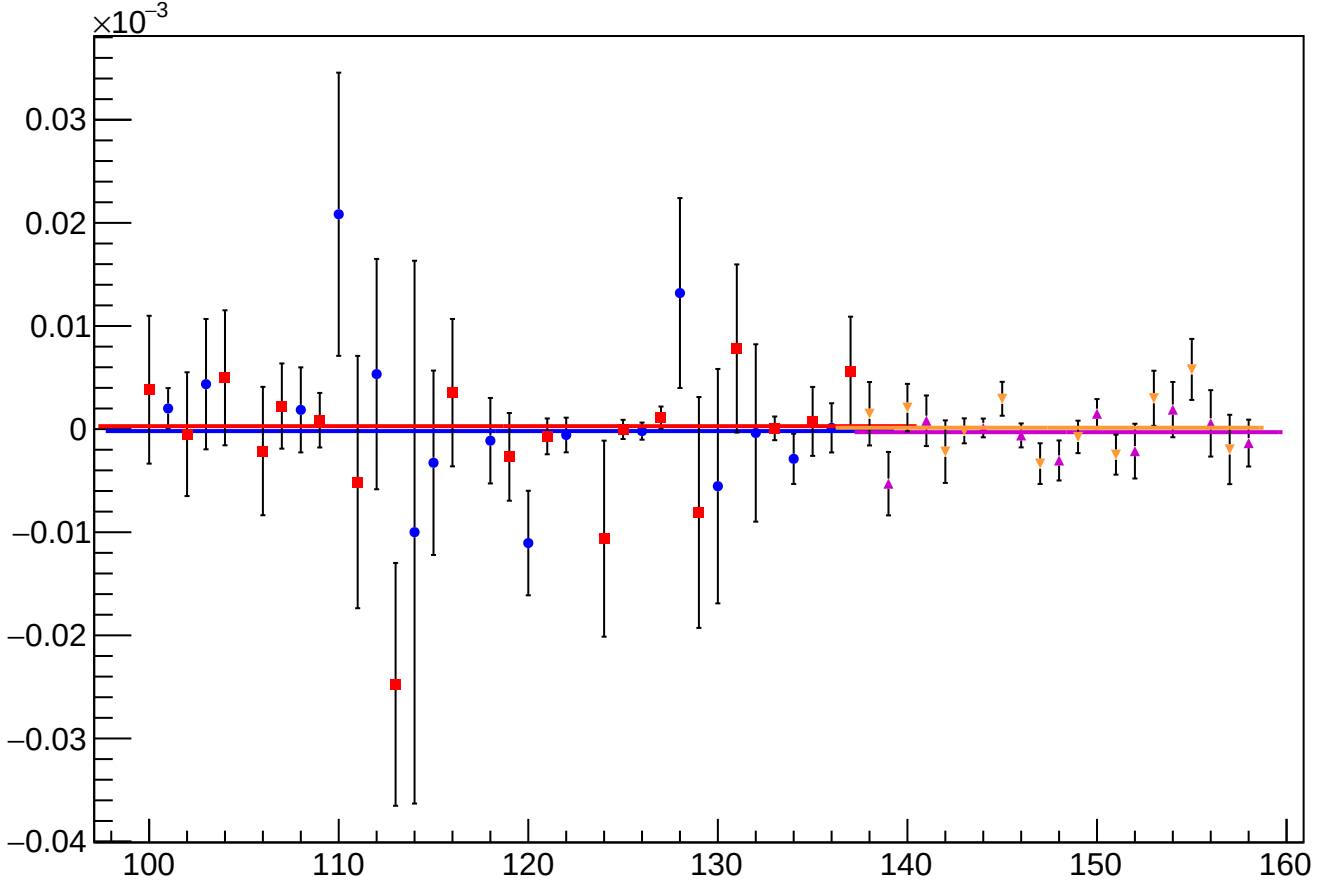
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 31.664+/-0.008 χ^2/NDF:460182.1/9

+ sign 31.520+/-0.006 χ^2/NDF: 2231601.7/26

All: 31.060+/-0.004 χ^2/NDF: 4589491.0/55

- sign 30.628+/-0.006 χ^2/NDF: 2346099.8/28



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.9/10

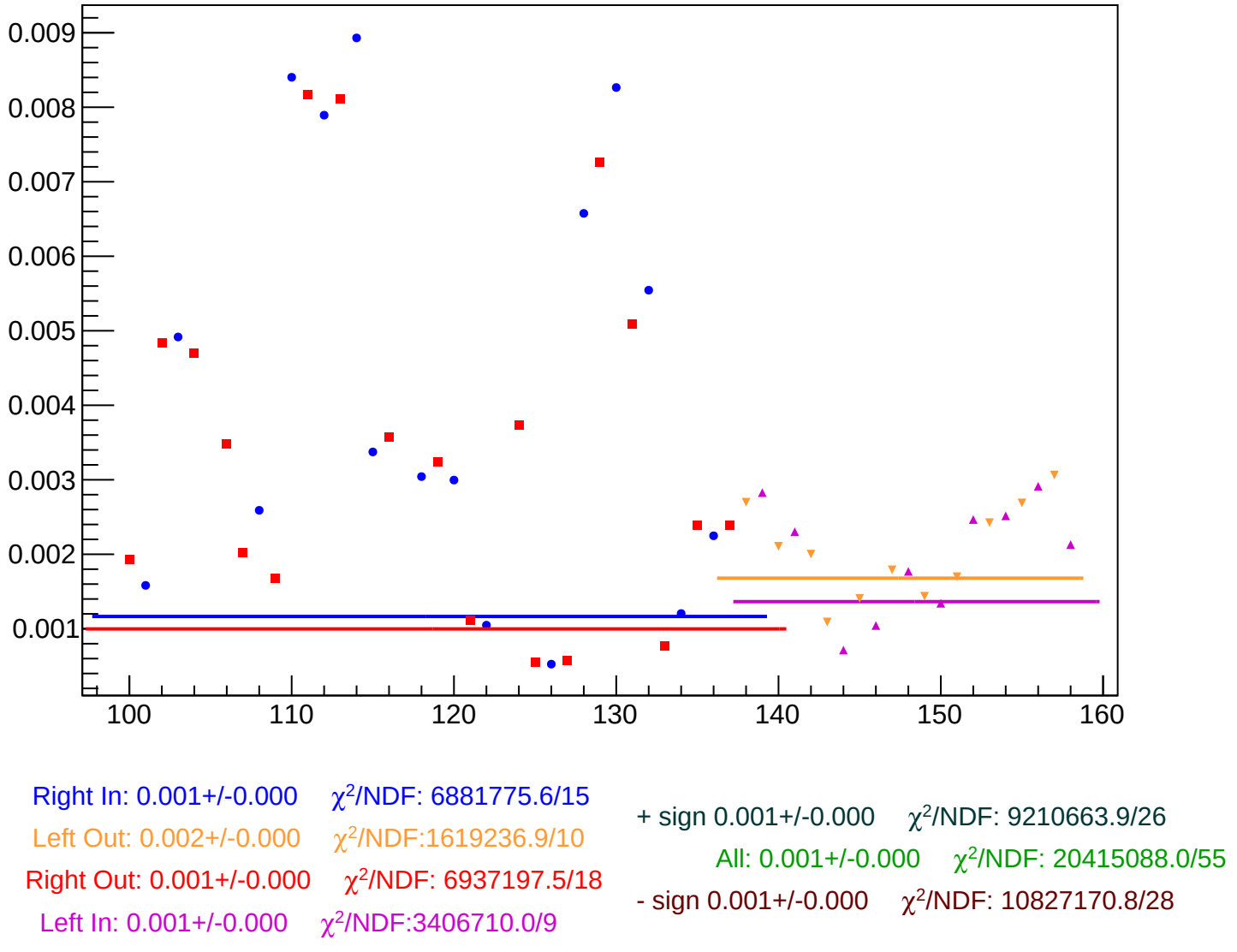
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

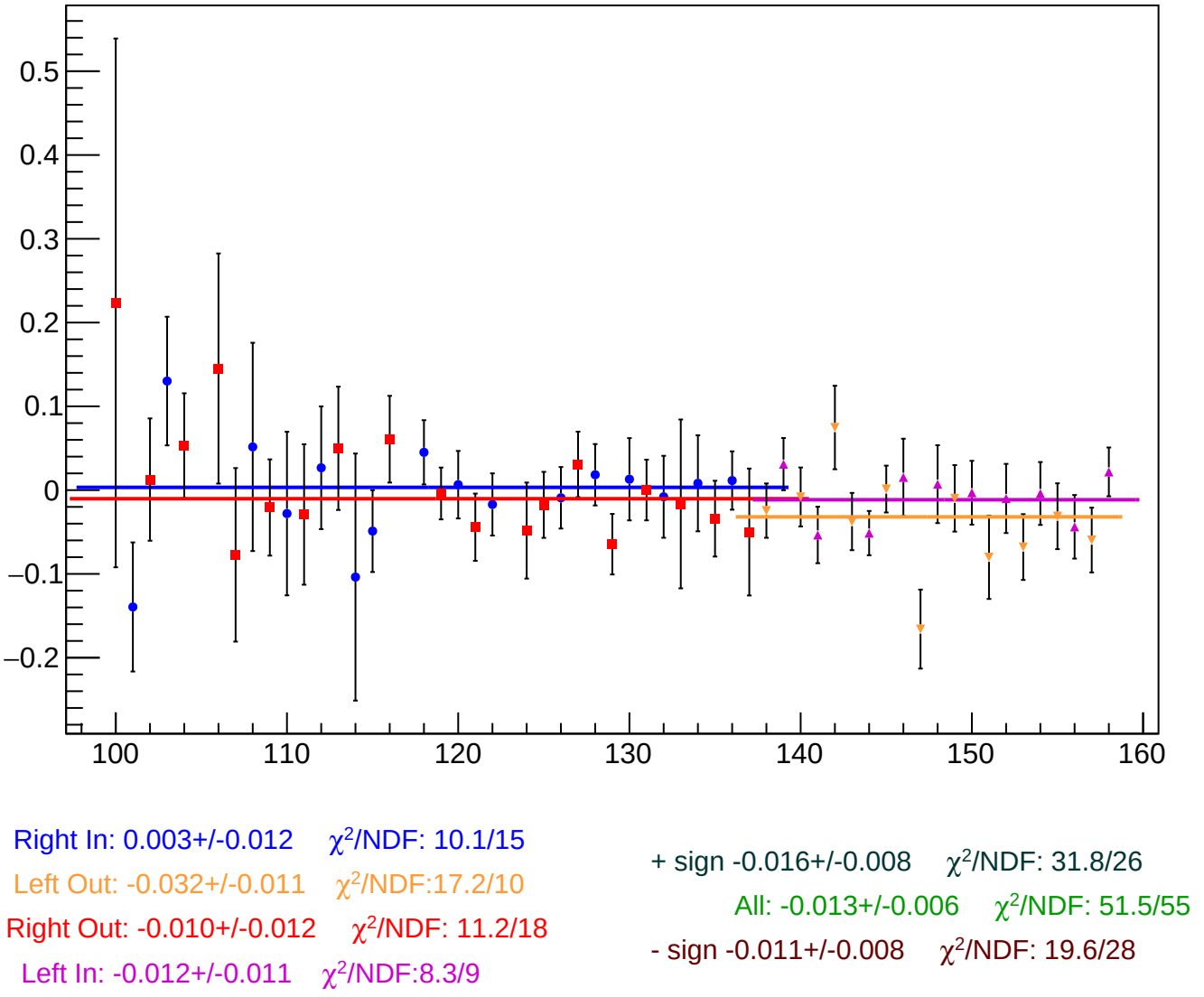
Left In: -0.000+/-0.000 χ^2/NDF:8.1/9

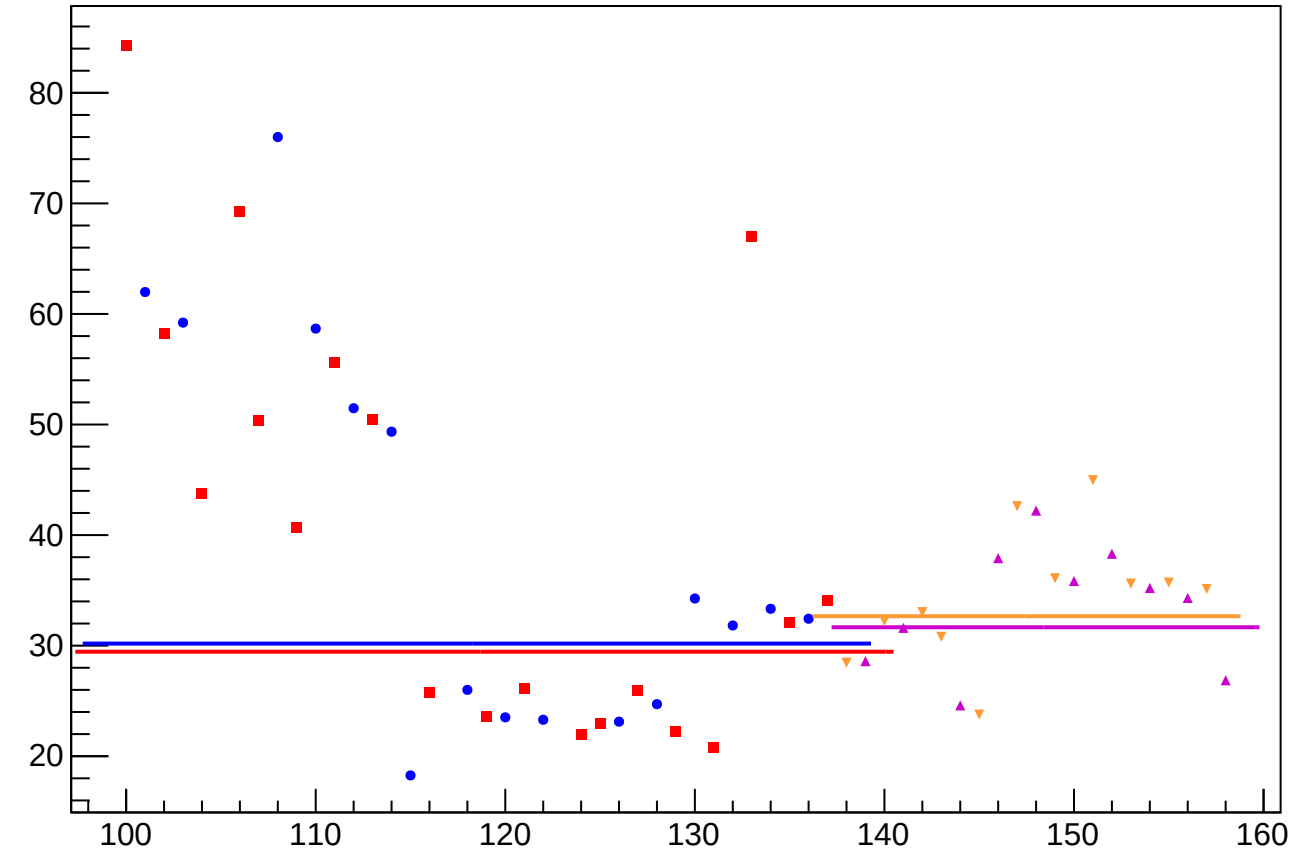
+ sign -0.000+/-0.000 χ^2/NDF: 28.2/26

All: -0.000+/-0.000 χ^2/NDF: 48.3/55

- sign 0.000+/-0.000 χ^2/NDF: 20.2/28


asym_sam_15_26_dd_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
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 6881775.6/15
Left Out: 0.002+/-0.000 χ²/NDF:1619236.9/10
Right Out: 0.001+/-0.000 χ²/NDF: 6937197.5/18
Left In: 0.001+/-0.000 χ²/NDF:3406710.0/9
+ sign 0.001+/-0.000 χ²/NDF: 9210663.9/26
All: 0.001+/-0.000 χ²/NDF: 20415088.0/55
- sign 0.001+/-0.000 χ²/NDF: 10827170.8/28


asym_sam_15_26_dd_eigen_dit_vs_cor_diff_mean vs Slug
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
Right In: 0.003+/-0.012 χ²/NDF: 10.1/15
Left Out: -0.032+/-0.011 χ²/NDF:17.2/10
Right Out: -0.010+/-0.012 χ²/NDF: 11.2/18
Left In: -0.012+/-0.011 χ²/NDF:8.3/9
+ sign -0.016+/-0.008 χ²/NDF: 31.8/26
All: -0.013+/-0.006 χ²/NDF: 51.5/55
- sign -0.011+/-0.008 χ²/NDF: 19.6/28



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 32.660+/-0.008 χ^2/NDF:500491.7/10

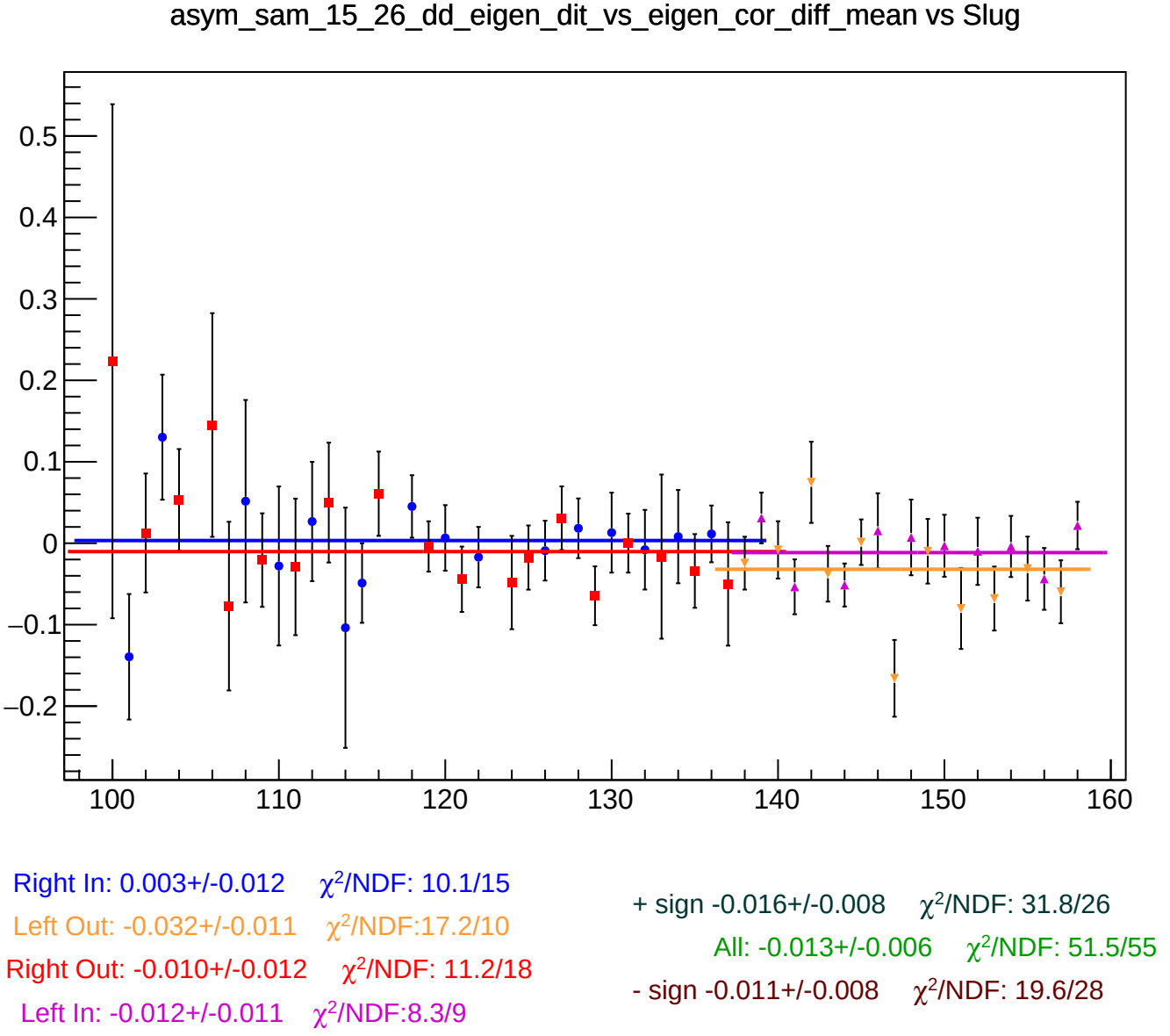
Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

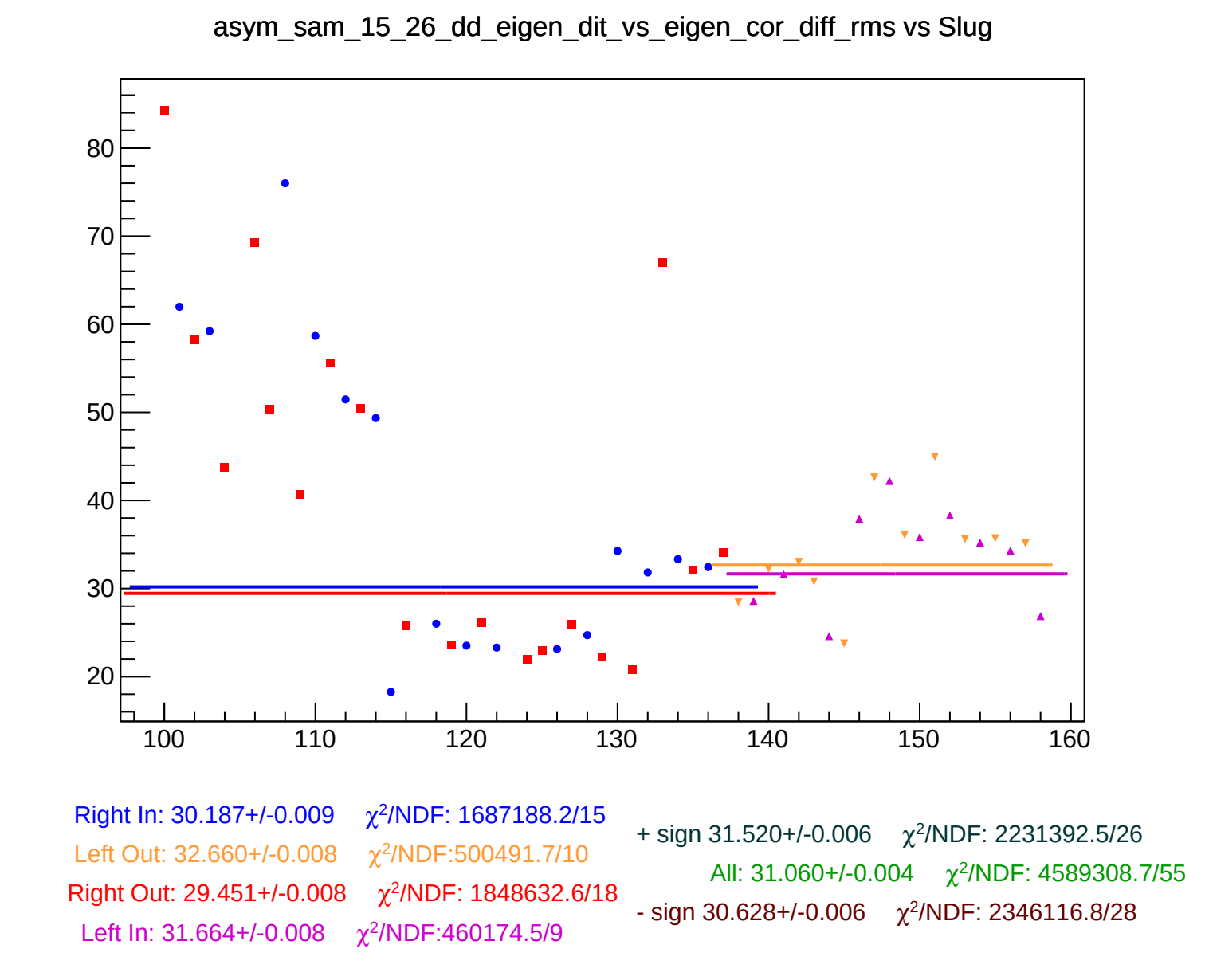
Left In: 31.664+/-0.008 χ^2/NDF:460174.5/9

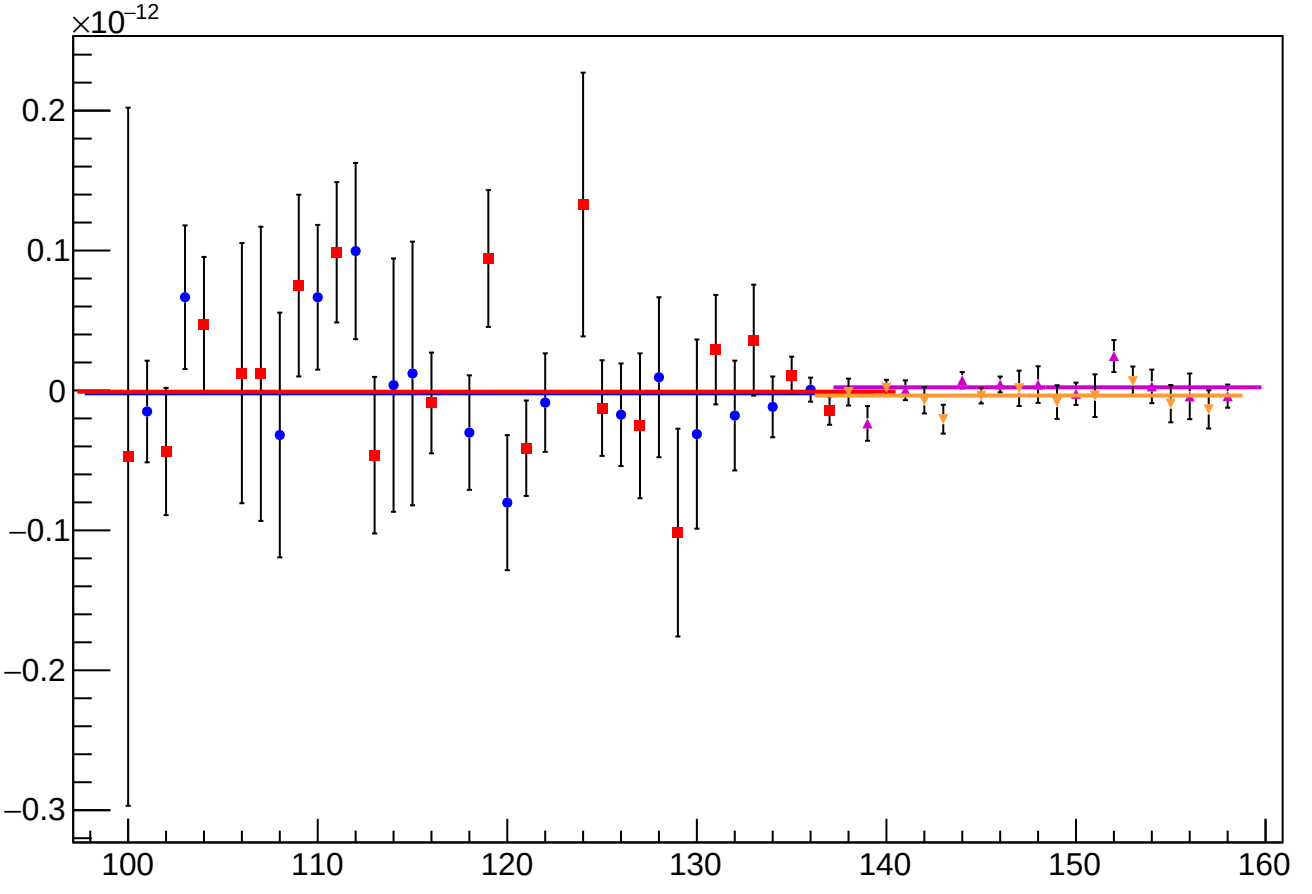
+ sign 31.520+/-0.006 χ^2/NDF: 2231392.5/26

All: 31.060+/-0.004 χ^2/NDF: 4589308.7/55

- sign 30.628+/-0.006 χ^2/NDF: 2346116.8/28


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
Right In: 0.003+/-0.012 χ²/NDF: 10.1/15
Left Out: -0.032+/-0.011 χ²/NDF:17.2/10
Right Out: -0.010+/-0.012 χ²/NDF: 11.2/18
Left In: -0.012+/-0.011 χ²/NDF:8.3/9
+ sign -0.016+/-0.008 χ²/NDF: 31.8/26
All: -0.013+/-0.006 χ²/NDF: 51.5/55
- sign -0.011+/-0.008 χ²/NDF: 19.6/28


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
80
70
60
50
40
30
20
100
110
120
130
140
150
160
Right In: 30.187+/-0.009 χ²/NDF: 1687188.2/15
Left Out: 32.660+/-0.008 χ²/NDF:500491.7/10
Right Out: 29.451+/-0.008 χ²/NDF: 1848632.6/18
Left In: 31.664+/-0.008 χ²/NDF:460174.5/9
+ sign 31.520+/-0.006 χ²/NDF: 2231392.5/26
All: 31.060+/-0.004 χ²/NDF: 4589308.7/55
- sign 30.628+/-0.006 χ²/NDF: 2346116.8/28



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.8/10

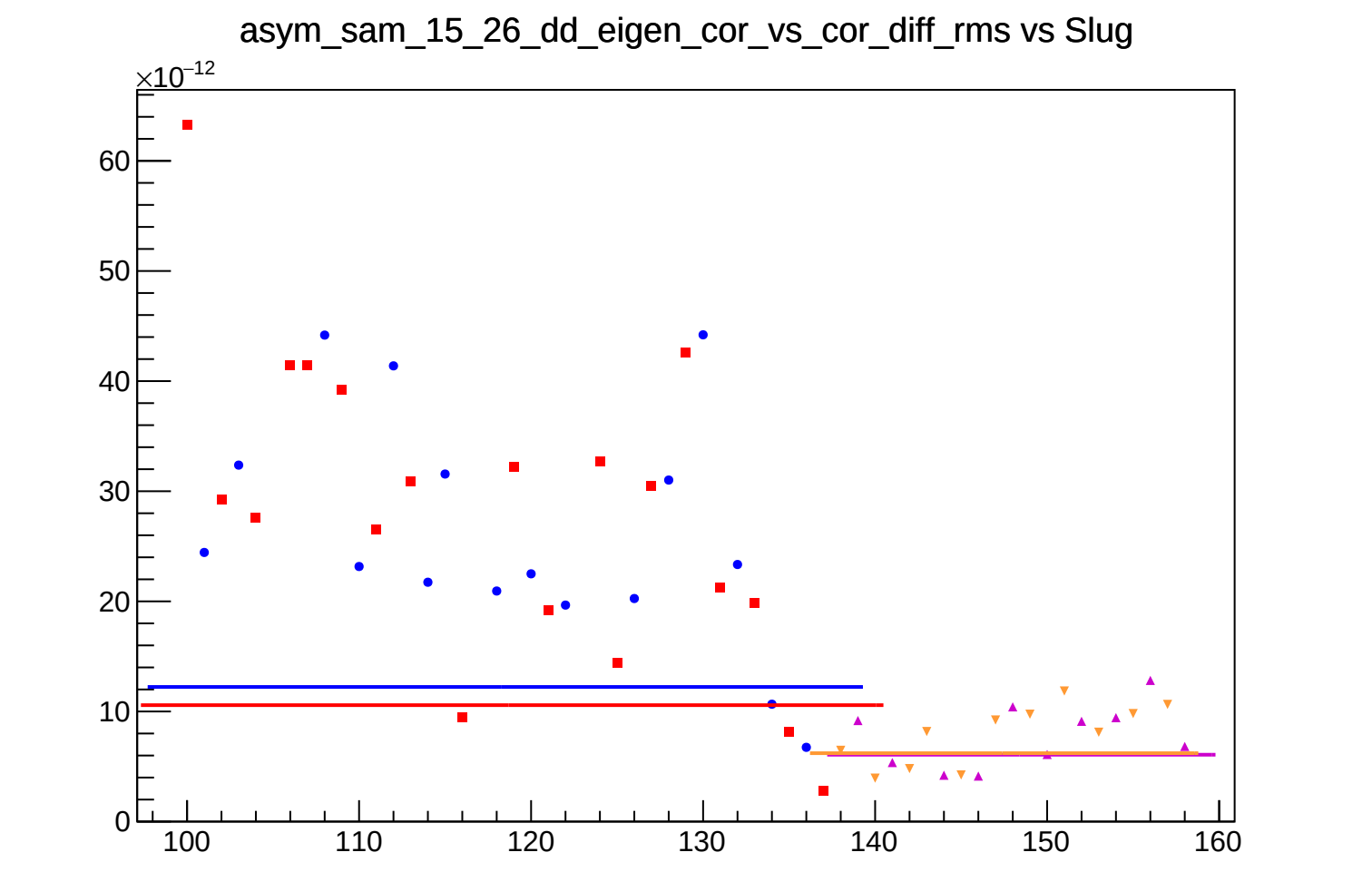
Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:10.2/9

+ sign -0.000+/-0.000 χ^2/NDF: 16.3/26

All: -0.000+/-0.000 χ^2/NDF: 50.3/55

- sign 0.000+/-0.000 χ^2/NDF: 31.8/28



Right In: 0.000+/-0.000 χ^2/NDF: 3437895.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1672636.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 4770079.9/18

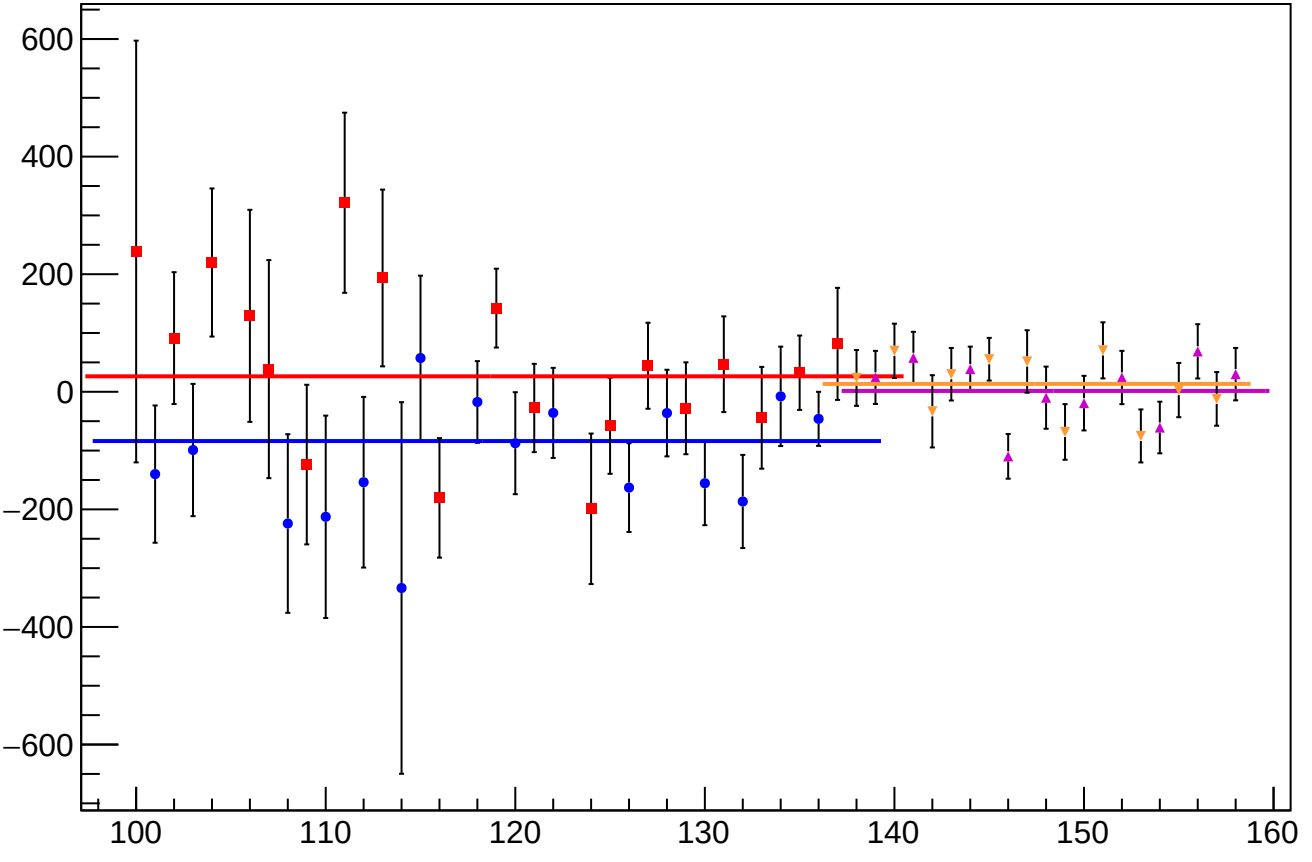
Left In: 0.000+/-0.000 χ^2/NDF:1461504.3/9

+ sign 0.000+/-0.000 χ^2/NDF: 6449494.1/26

All: 0.000+/-0.000 χ^2/NDF: 13489723.9/55

- sign 0.000+/-0.000 χ^2/NDF: 7019547.2/28

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 13.406+/-13.979 χ^2/NDF:12.7/10

Right Out: 26.301+/-22.067 χ^2/NDF: 23.0/18

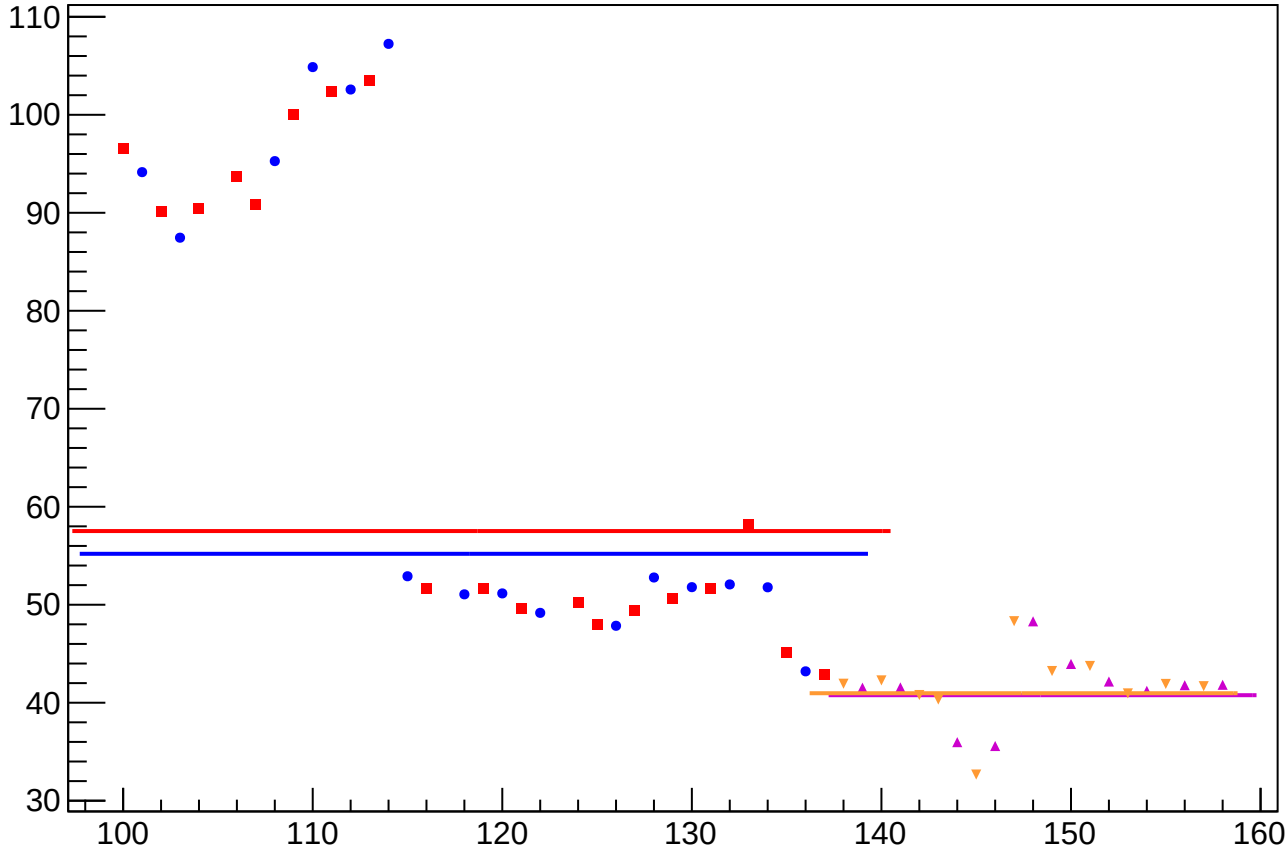
Left In: 1.405+/-13.890 χ^2/NDF:16.5/9

+ sign -15.604+/-11.709 χ^2/NDF: 37.7/26

All: -3.614+/-8.296 χ^2/NDF: 80.1/55

- sign 8.470+/-11.755 χ^2/NDF: 40.3/28

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.1/15

Left Out: 40.969+/-0.010 χ^2/NDF:158223.9/10

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

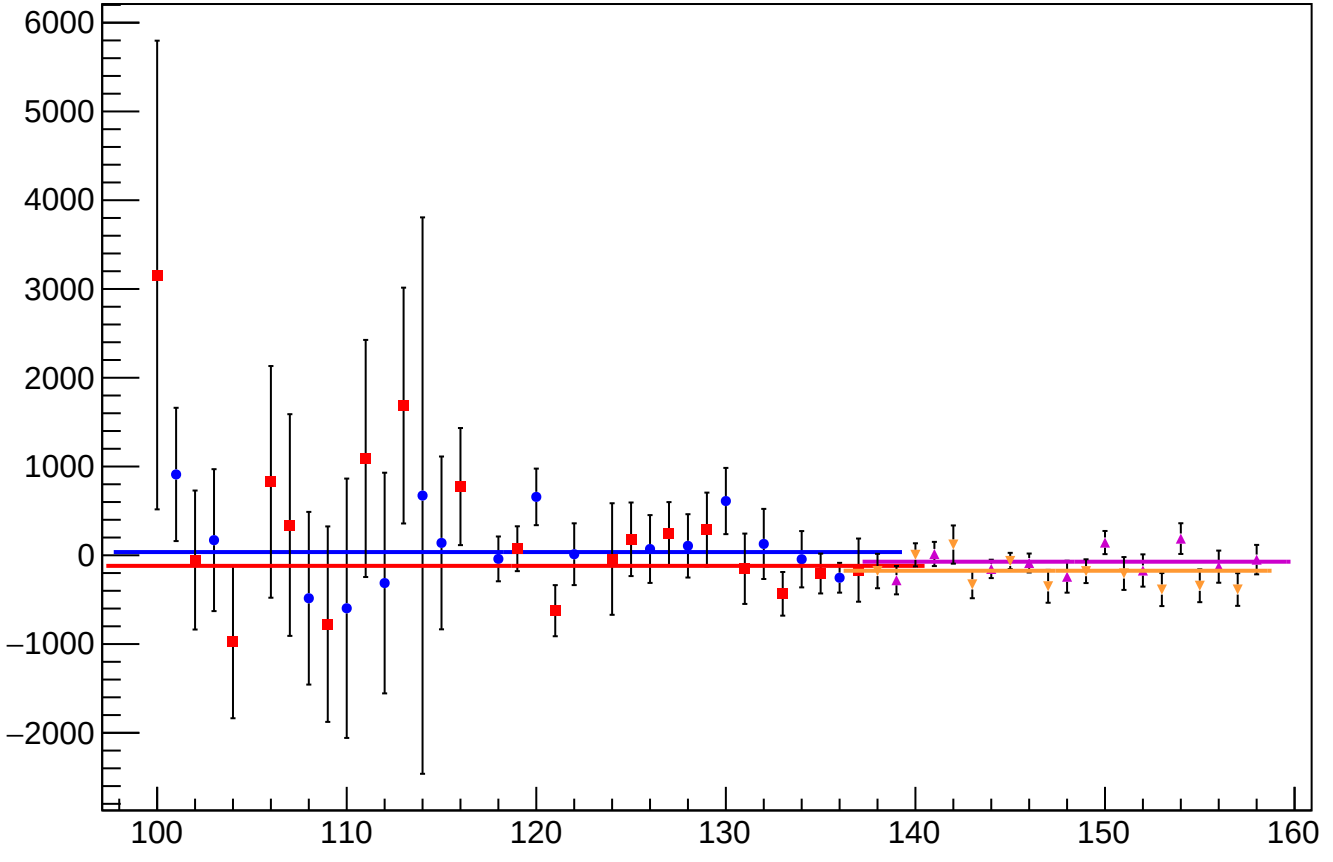
Left In: 40.768+/-0.010 χ^2/NDF:124406.5/9

+ sign 45.215+/-0.008 χ^2/NDF: 1929093.7/26

All: 45.368+/-0.006 χ^2/NDF: 4161404.7/55

- sign 45.522+/-0.008 χ^2/NDF: 2231629.1/28

asym_sam_37_26_dd_reg_correction_mean vs Slug



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -174.138+/-46.153 χ^2/NDF:10.6/10

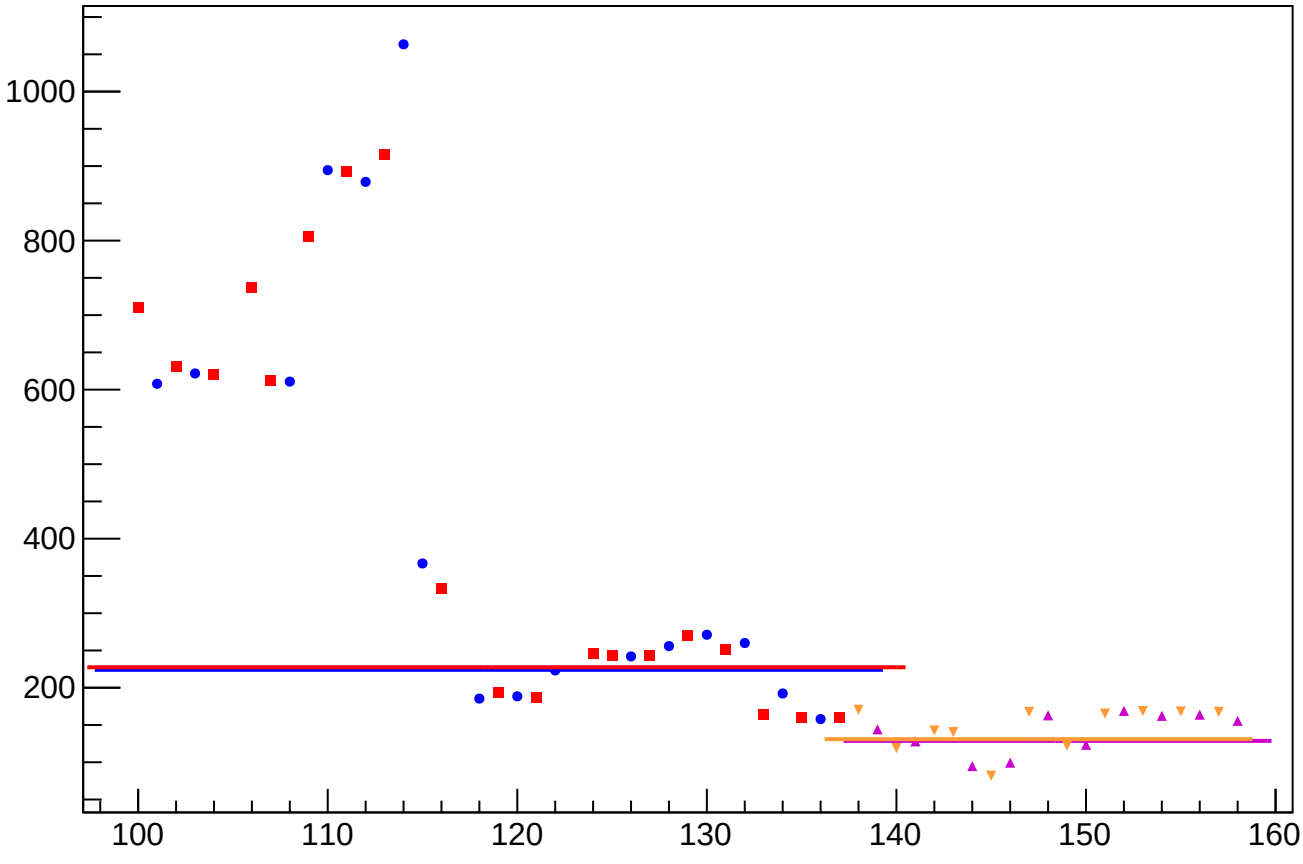
Right Out: -119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: -72.333+/-44.988 χ^2/NDF:9.0/9

+ sign -132.949+/-41.391 χ^2/NDF: 26.0/26

All: -106.446+/-29.029 χ^2/NDF: 52.1/55

- sign -80.790+/-40.724 χ^2/NDF: 25.2/28



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 130.943+/-0.033 χ^2/NDF:1085010.5/10

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

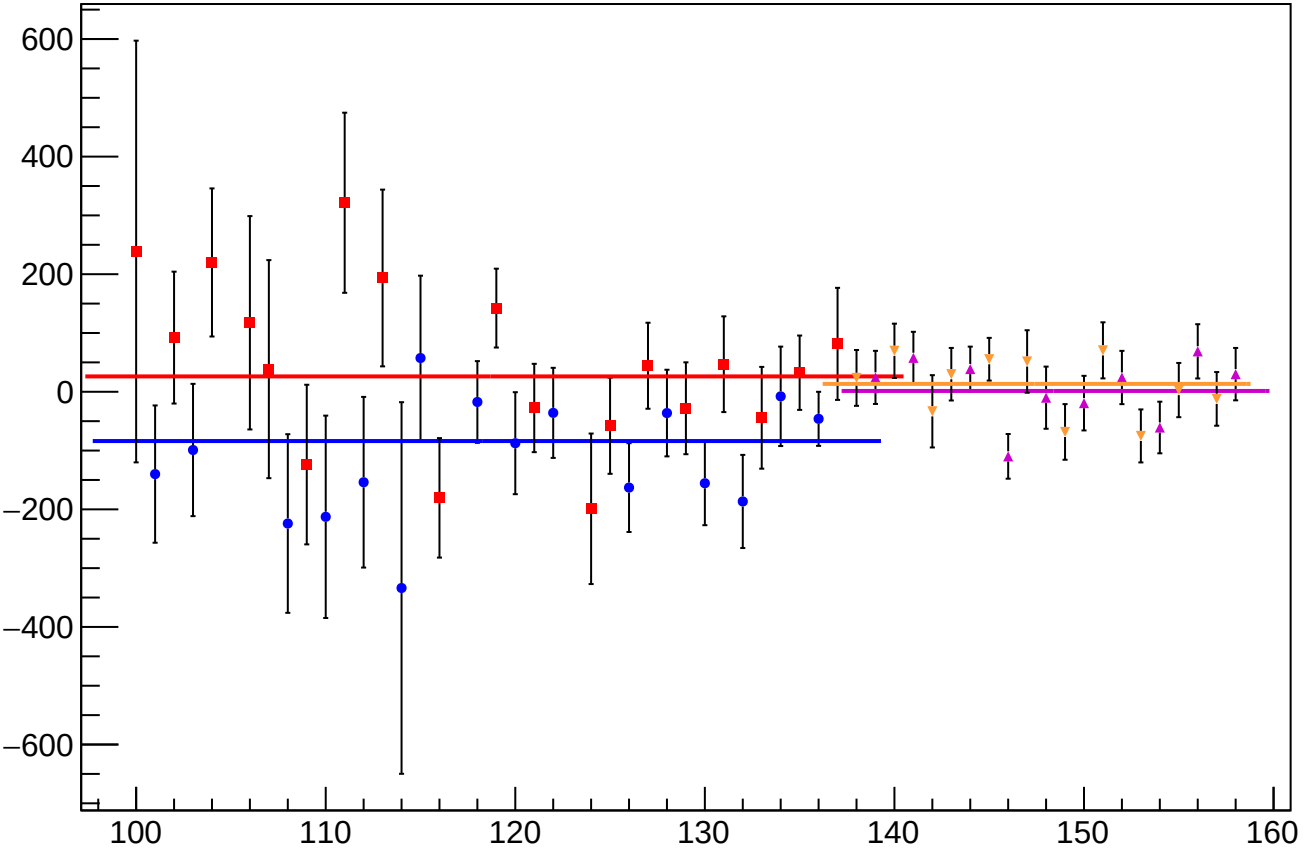
Left In: 128.672+/-0.032 χ^2/NDF:759498.6/9

+ sign 149.163+/-0.029 χ^2/NDF: 5645744.7/26

All: 147.814+/-0.021 χ^2/NDF: 11791186.7/55

- sign 146.509+/-0.029 χ^2/NDF: 6141265.2/28

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 13.404+/-13.979 χ^2/NDF:12.7/10

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

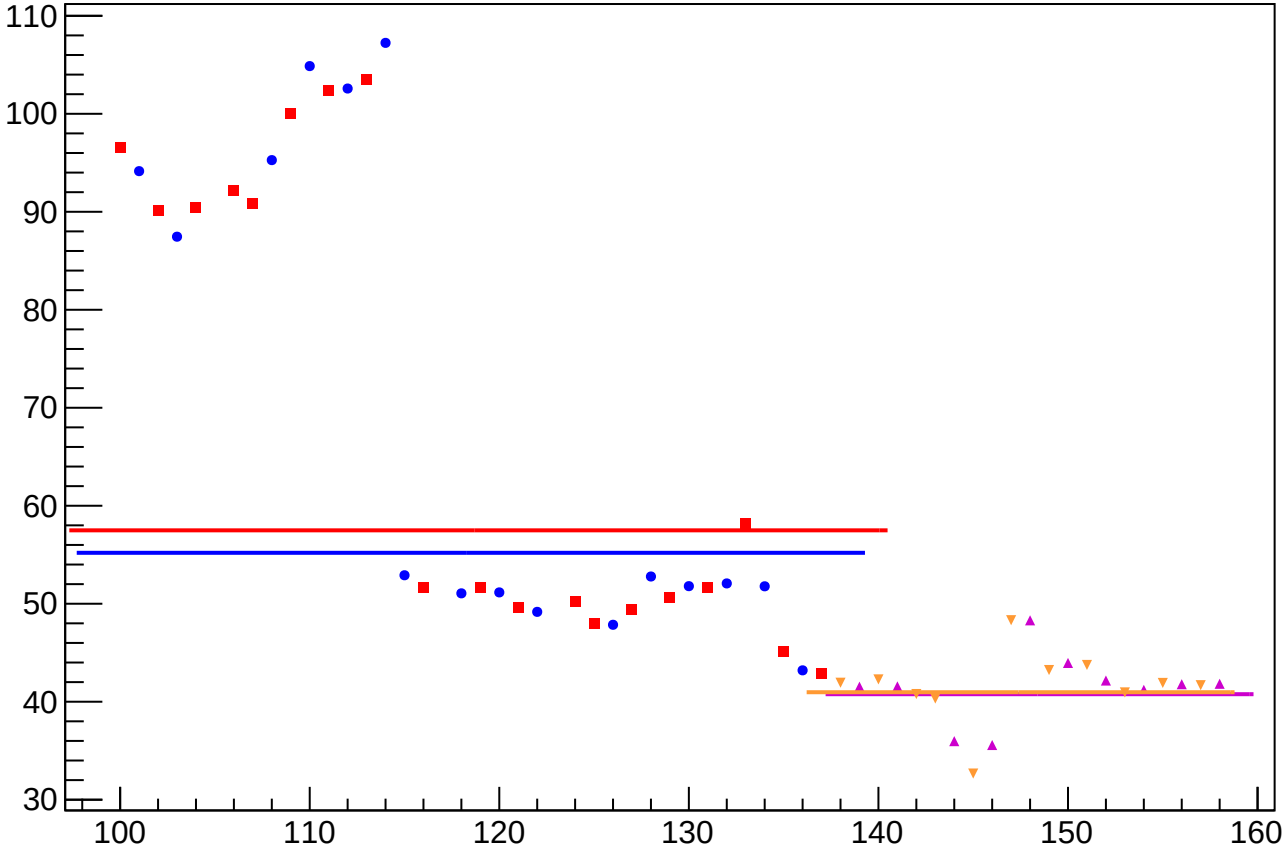
Left In: 1.405+/-13.890 χ^2/NDF:16.5/9

+ sign -15.604+/-11.709 χ^2/NDF: 37.7/26

All: -3.638+/-8.296 χ^2/NDF: 80.1/55

- sign 8.424+/-11.756 χ^2/NDF: 40.3/28

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 40.969+/-0.010 χ^2/NDF:158223.9/10

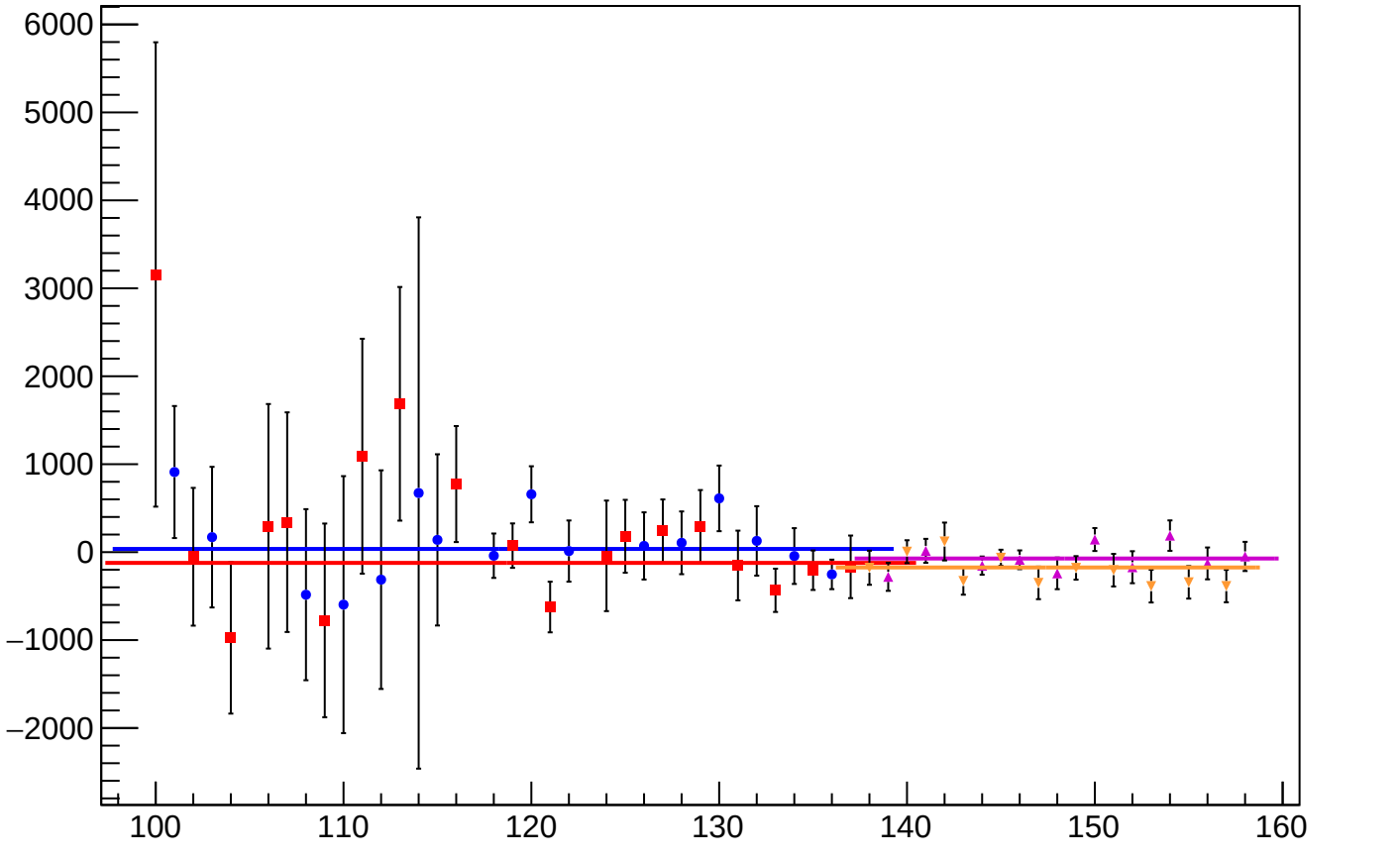
Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 40.768+/-0.010 χ^2/NDF:124406.5/9

+ sign 45.215+/-0.008 χ^2/NDF: 1929093.9/26

All: 45.363+/-0.006 χ^2/NDF: 4151004.4/55

- sign 45.513+/-0.008 χ^2/NDF: 2221267.3/28



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -174.141+/-46.153 χ^2/NDF:10.6/10

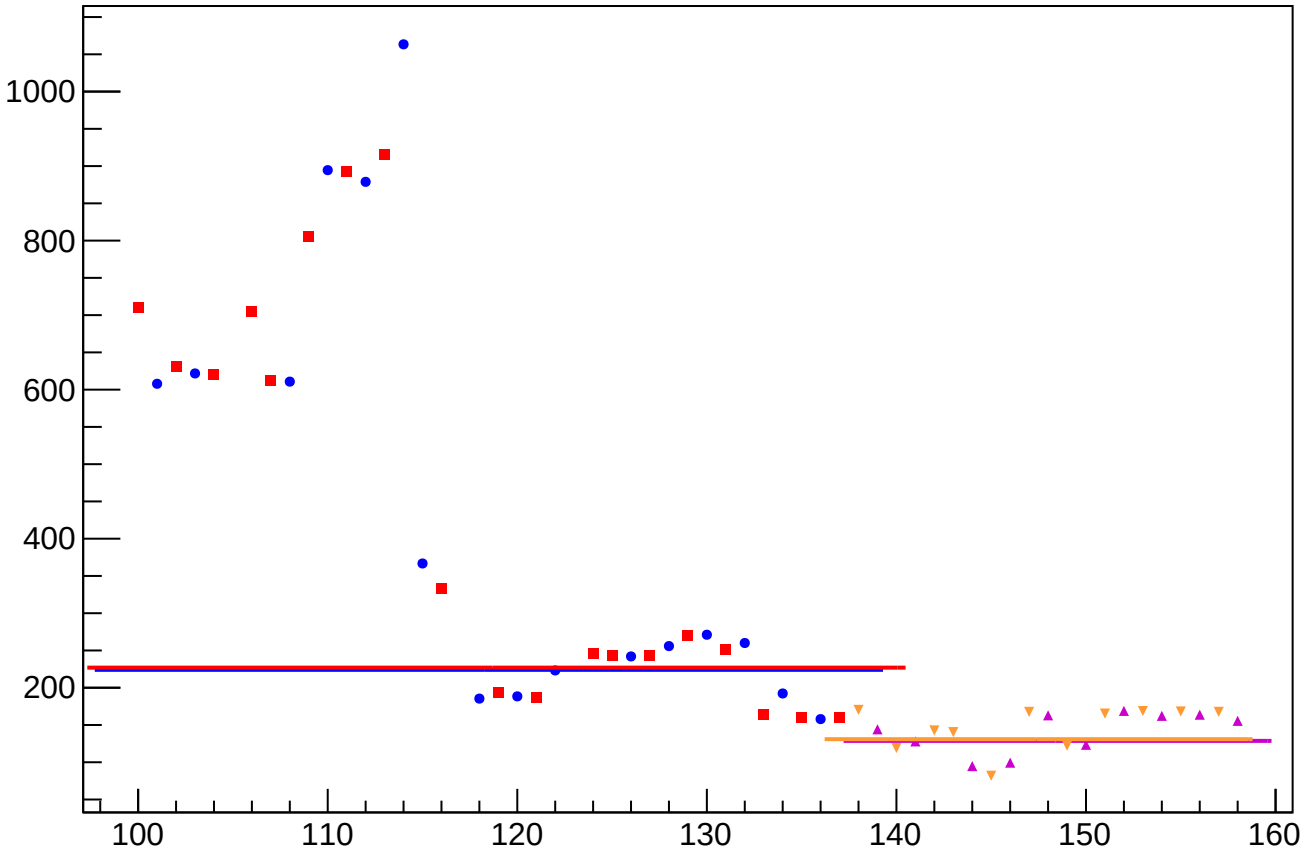
Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: -72.332+/-44.988 χ^2/NDF:9.0/9

+ sign -132.951+/-41.391 χ^2/NDF: 26.0/26

All: -106.732+/-29.030 χ^2/NDF: 51.7/55

- sign -81.348+/-40.726 χ^2/NDF: 24.8/28



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 130.943+/-0.033 χ^2/NDF:1085016.1/10

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

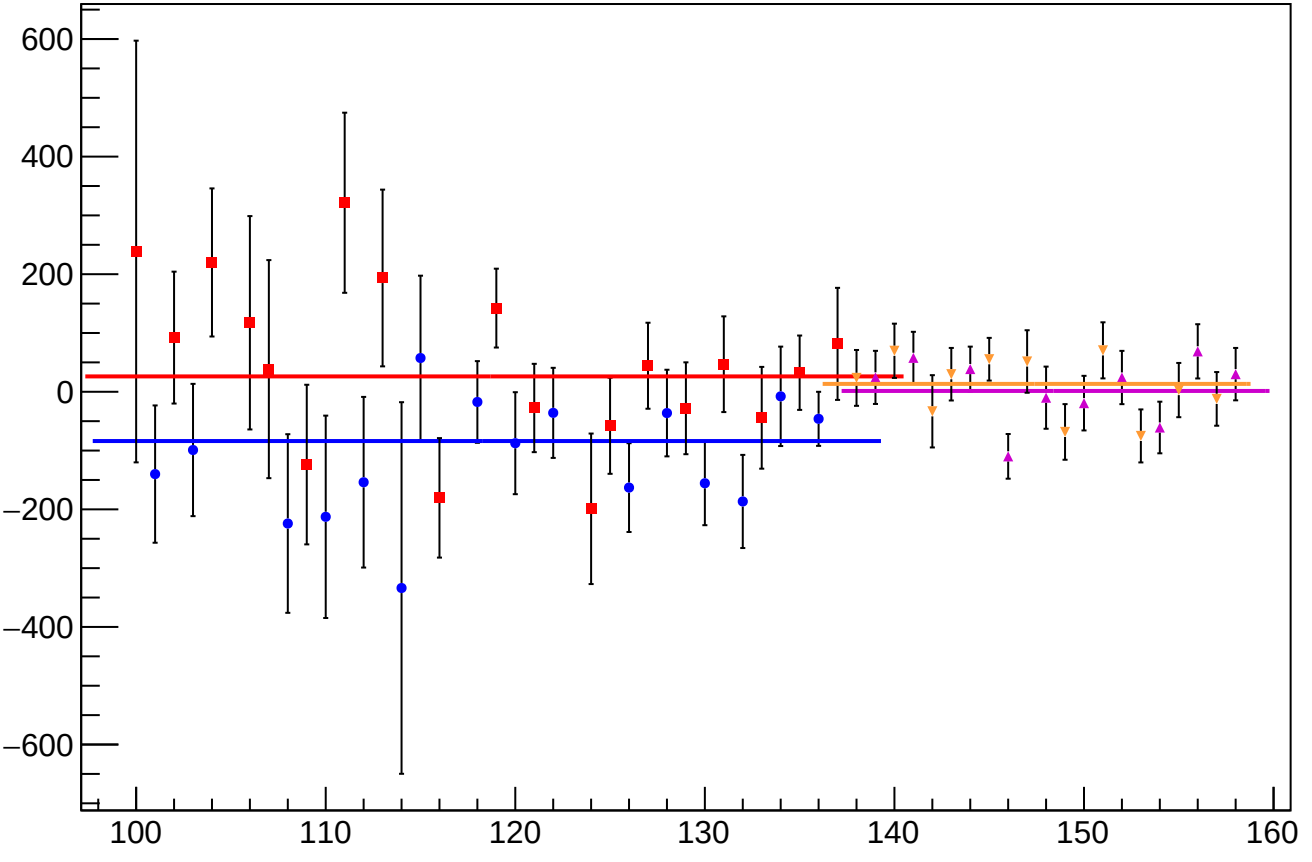
Left In: 128.672+/-0.032 χ^2/NDF:759500.1/9

+ sign 149.163+/-0.029 χ^2/NDF: 5645756.4/26

All: 147.766+/-0.021 χ^2/NDF: 11705028.8/55

- sign 146.413+/-0.029 χ^2/NDF: 6054786.9/28

eigen_cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 13.404+/-13.979 χ^2/NDF:12.7/10

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

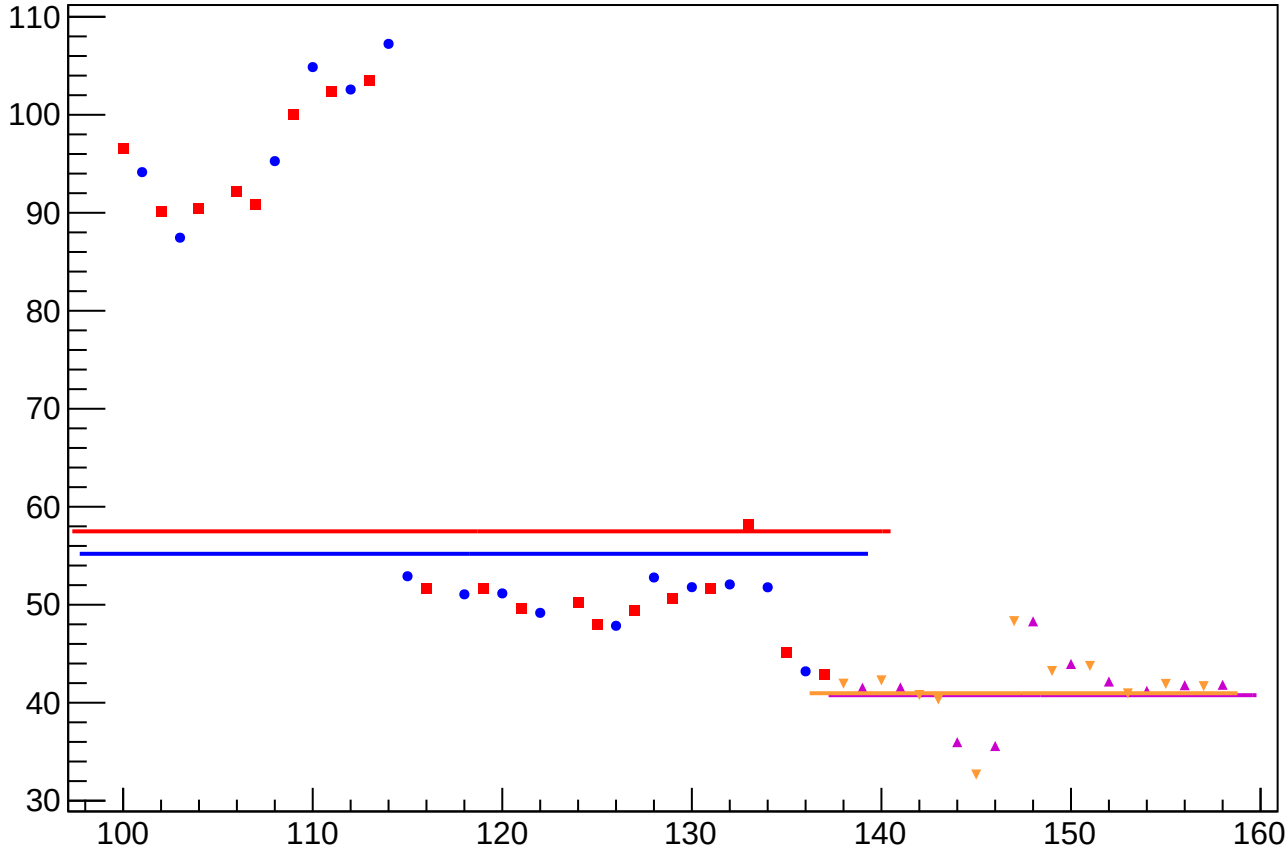
Left In: 1.405+/-13.890 χ^2/NDF:16.5/9

+ sign -15.604+/-11.709 χ^2/NDF: 37.7/26

All: -3.638+/-8.296 χ^2/NDF: 80.1/55

- sign 8.424+/-11.756 χ^2/NDF: 40.3/28

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 40.969+/-0.010 χ^2/NDF:158223.9/10

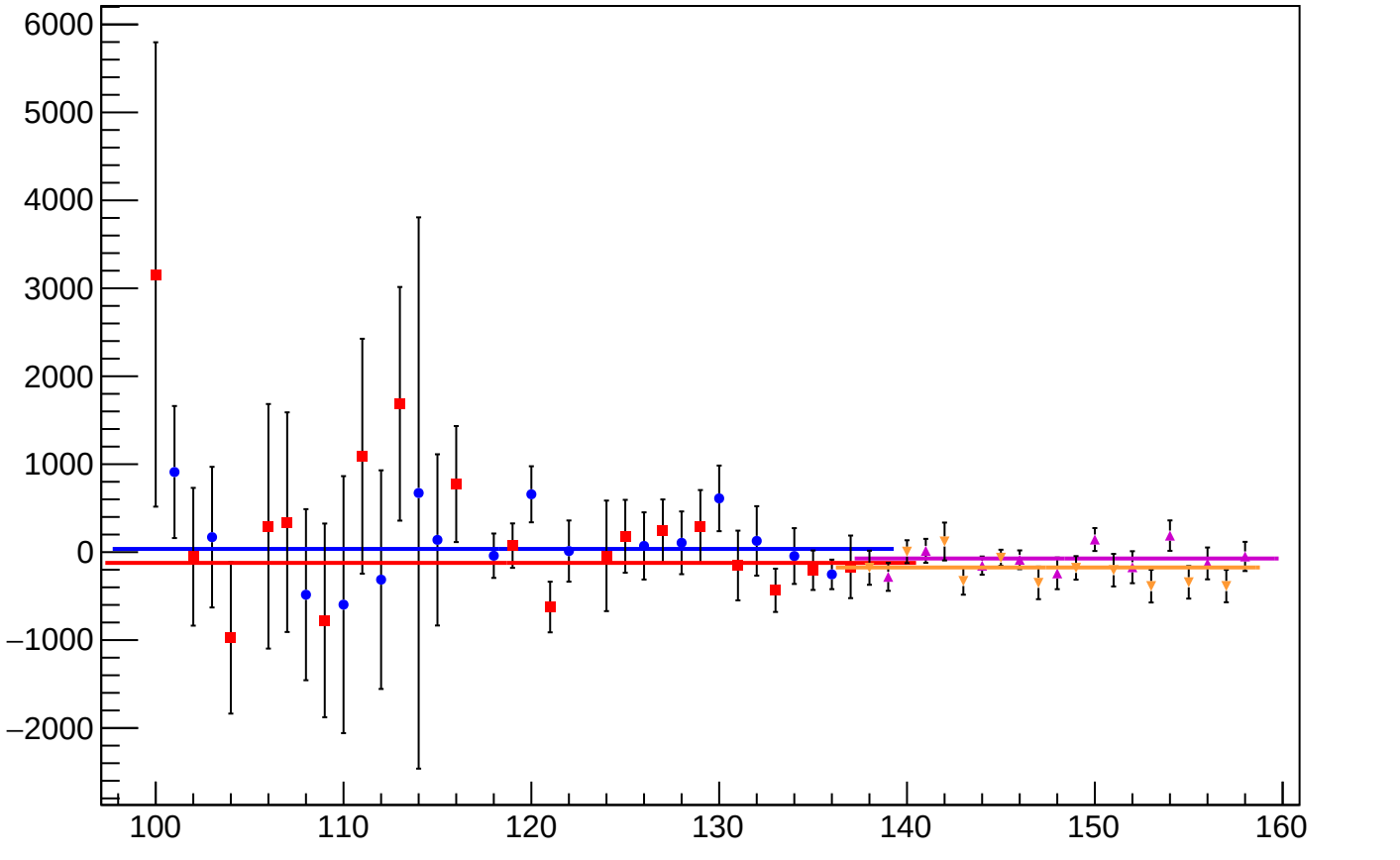
Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 40.768+/-0.010 χ^2/NDF:124406.5/9

+ sign 45.215+/-0.008 χ^2/NDF: 1929093.9/26

All: 45.363+/-0.006 χ^2/NDF: 4151004.4/55

- sign 45.513+/-0.008 χ^2/NDF: 2221267.3/28



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -174.141+/-46.153 χ^2/NDF:10.6/10

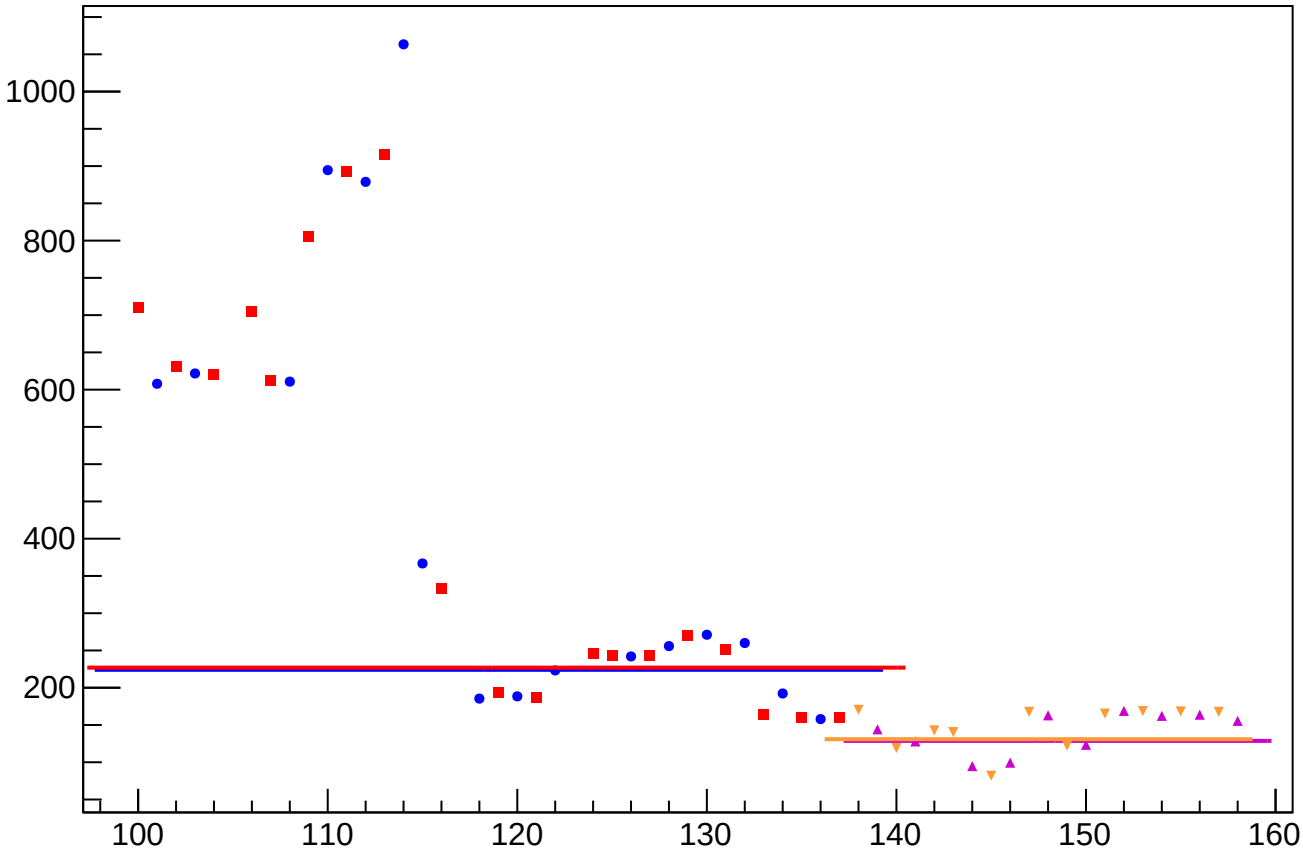
Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: -72.332+/-44.988 χ^2/NDF:9.0/9

+ sign -132.951+/-41.391 χ^2/NDF: 26.0/26

All: -106.732+/-29.030 χ^2/NDF: 51.7/55

- sign -81.348+/-40.726 χ^2/NDF: 24.8/28



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 130.943+/-0.033 χ^2/NDF:1085016.1/10

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

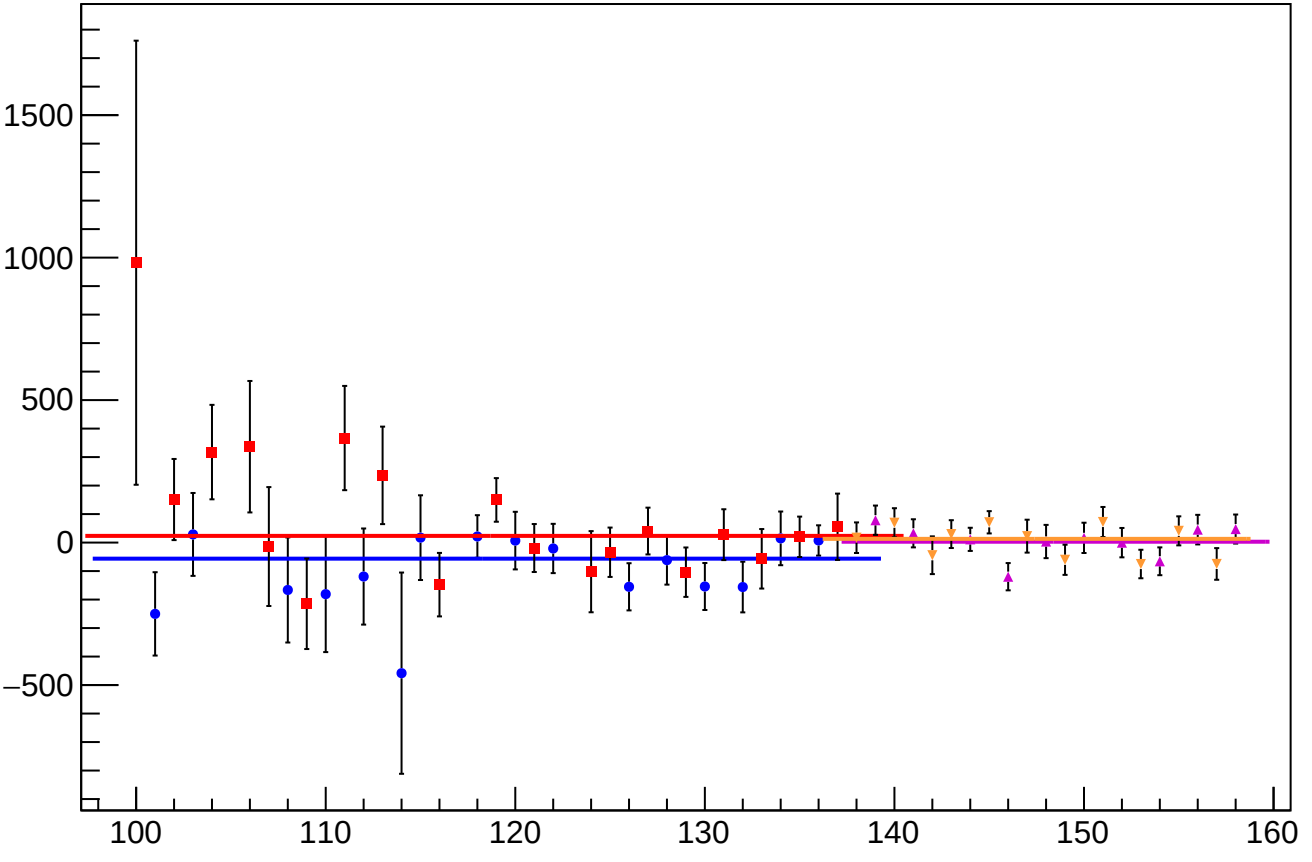
Left In: 128.672+/-0.032 χ^2/NDF:759500.1/9

+ sign 149.163+/-0.029 χ^2/NDF: 5645756.4/26

All: 147.766+/-0.021 χ^2/NDF: 11705028.8/55

- sign 146.413+/-0.029 χ^2/NDF: 6054786.9/28

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 13.040+/-15.505 χ^2/NDF:13.5/10

Right Out: 23.495+/-25.161 χ^2/NDF: 24.1/18

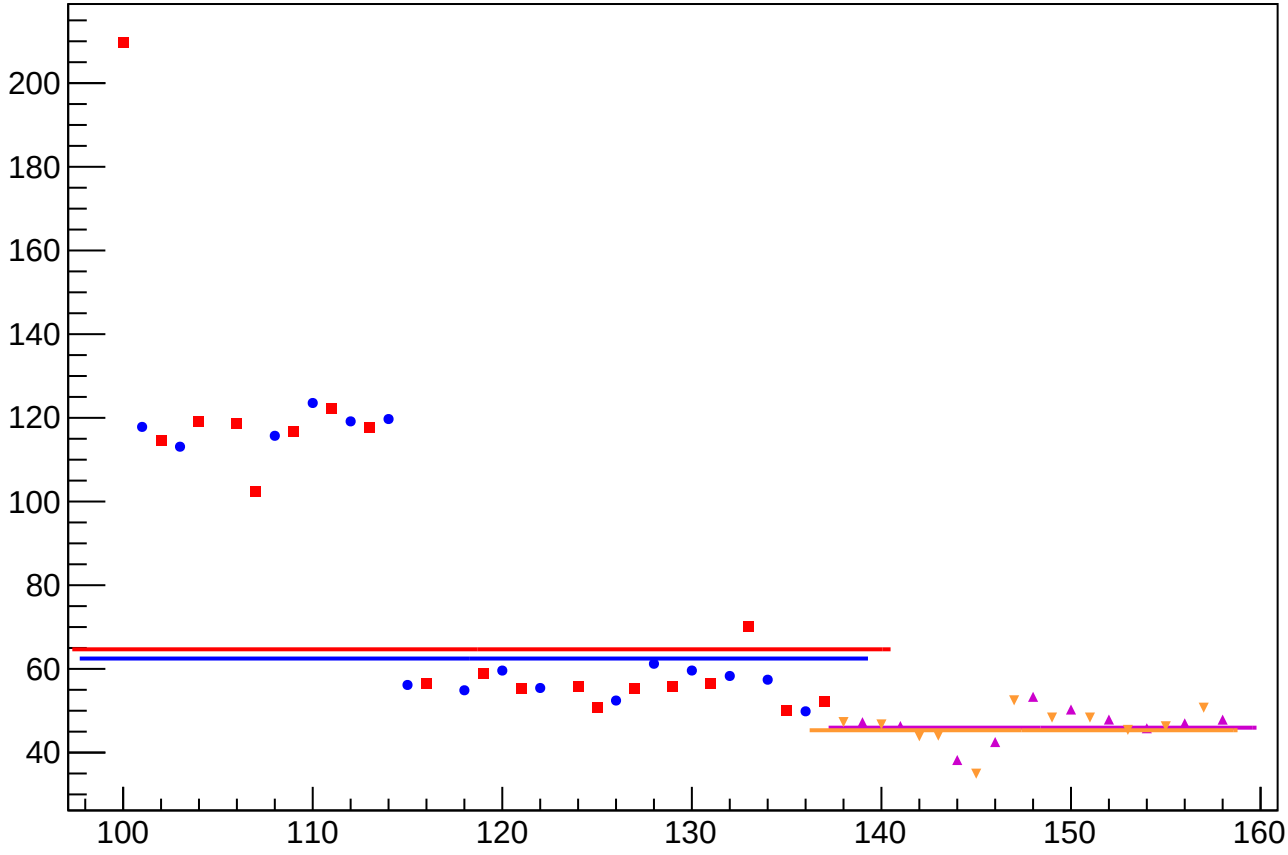
Left In: 2.987+/-15.748 χ^2/NDF:12.6/9

+ sign -6.834+/-13.100 χ^2/NDF: 31.5/26

All: 0.816+/-9.350 χ^2/NDF: 69.3/55

- sign 8.760+/-13.349 χ^2/NDF: 37.2/28

dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.474+/-0.017 χ^2/NDF: 1348224.3/15

Left Out: 45.335+/-0.011 χ^2/NDF:210851.6/10

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

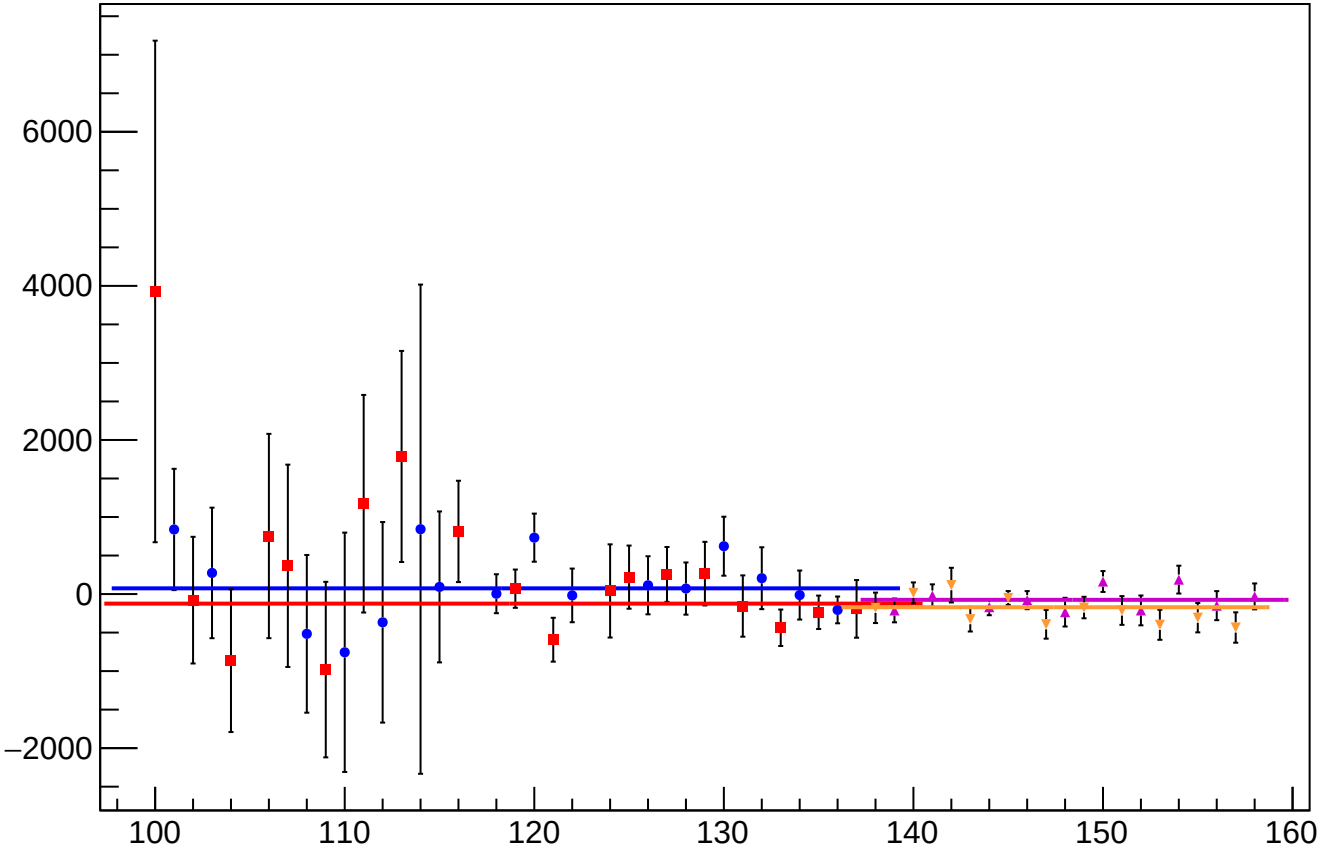
Left In: 45.950+/-0.011 χ^2/NDF:135849.9/9

+ sign 50.240+/-0.009 χ^2/NDF: 2258375.8/26

All: 50.722+/-0.007 χ^2/NDF: 4786556.0/55

- sign 51.222+/-0.009 χ^2/NDF: 2522657.5/28

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -170.974+/-47.142 χ^2/NDF:11.3/10

Right Out: -124.201+/-94.665 χ^2/NDF: 16.3/18

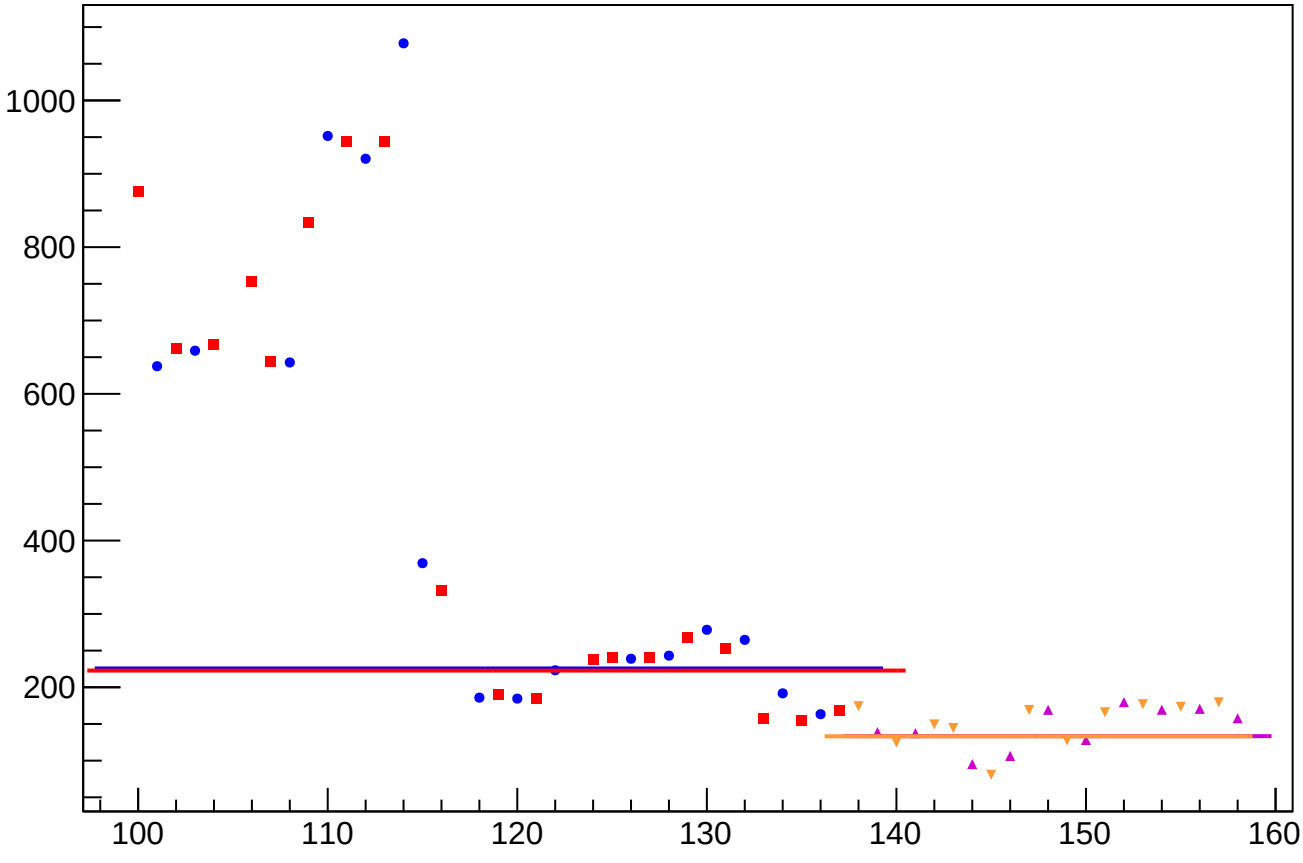
Left In: -74.929+/-46.810 χ^2/NDF:8.4/9

+ sign -122.093+/-42.184 χ^2/NDF: 27.9/26

All: -103.251+/-29.749 χ^2/NDF: 53.3/55

- sign -84.610+/-41.960 χ^2/NDF: 25.0/28

asym_sam_37_26_dd_dit_correction_rms vs Slug



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 133.180+/-0.033 χ^2/NDF:1229955.5/10

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

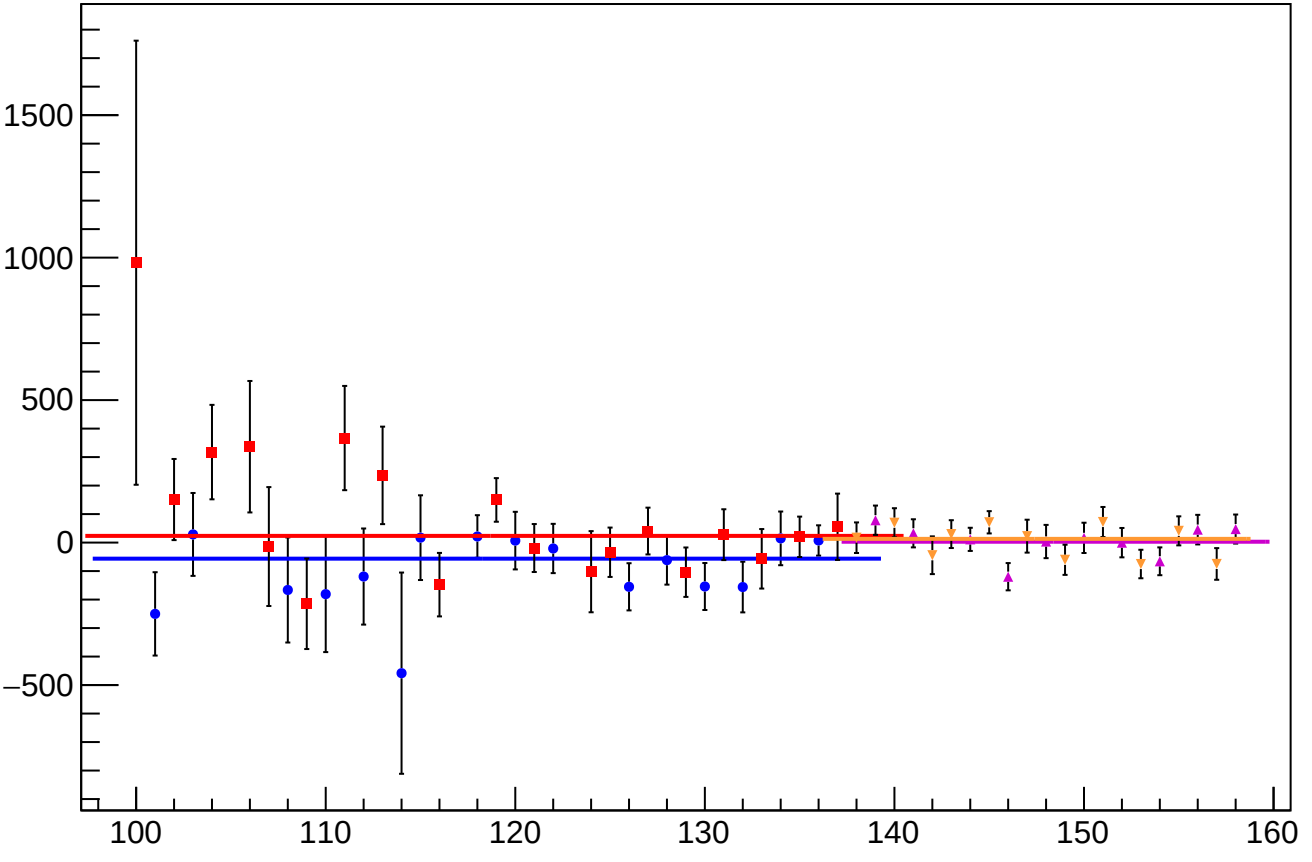
Left In: 133.381+/-0.033 χ^2/NDF:766113.5/9

+ sign 151.602+/-0.030 χ^2/NDF: 5788354.2/26

All: 151.273+/-0.021 χ^2/NDF: 11836286.1/55

- sign 150.946+/-0.030 χ^2/NDF: 6047688.9/28

eigen_dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 13.042+/-15.505 χ^2/NDF:13.5/10

Right Out: 23.498+/-25.160 χ^2/NDF: 24.1/18

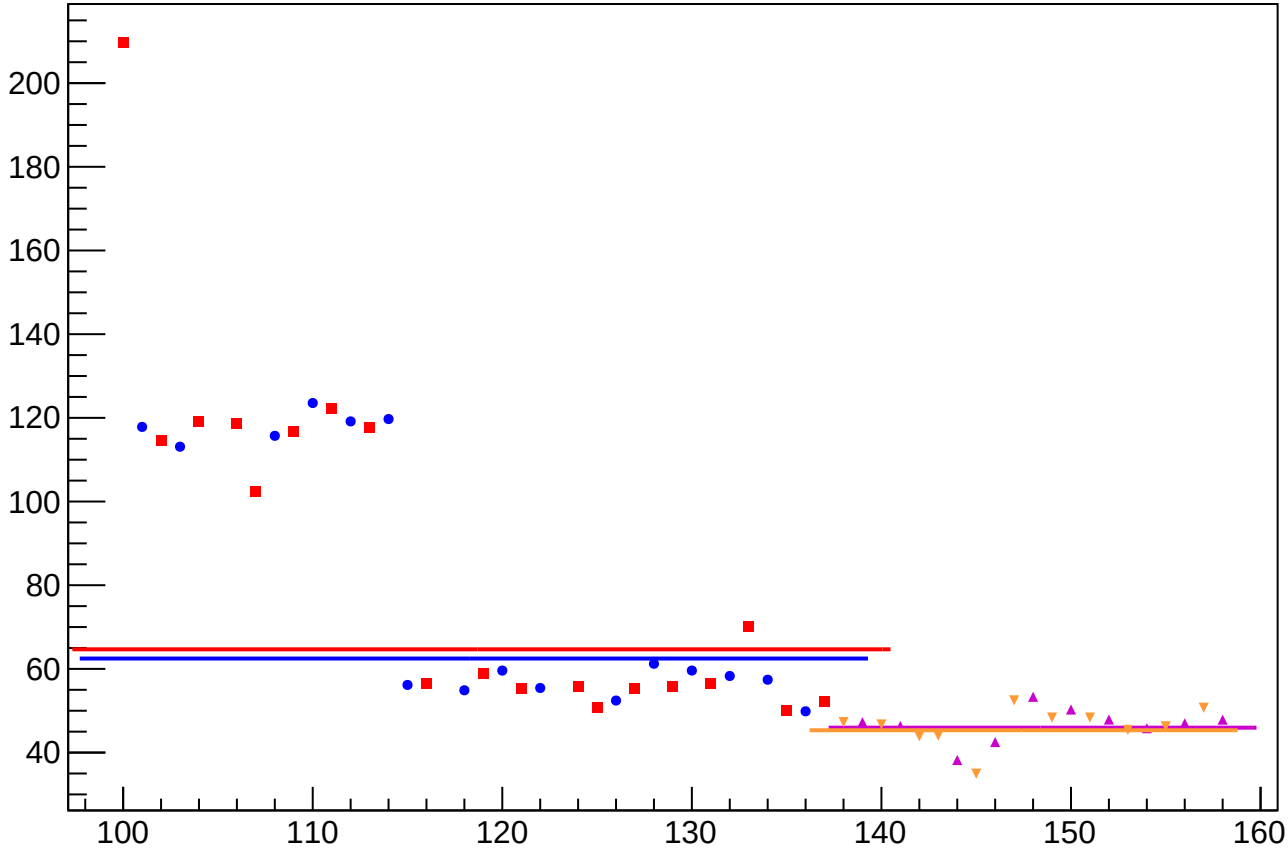
Left In: 2.986+/-15.748 χ^2/NDF:12.6/9

+ sign -6.834+/-13.100 χ^2/NDF: 31.5/26

All: 0.816+/-9.350 χ^2/NDF: 69.3/55

- sign 8.760+/-13.349 χ^2/NDF: 37.2/28

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 45.335+/-0.011 χ^2/NDF:210856.6/10

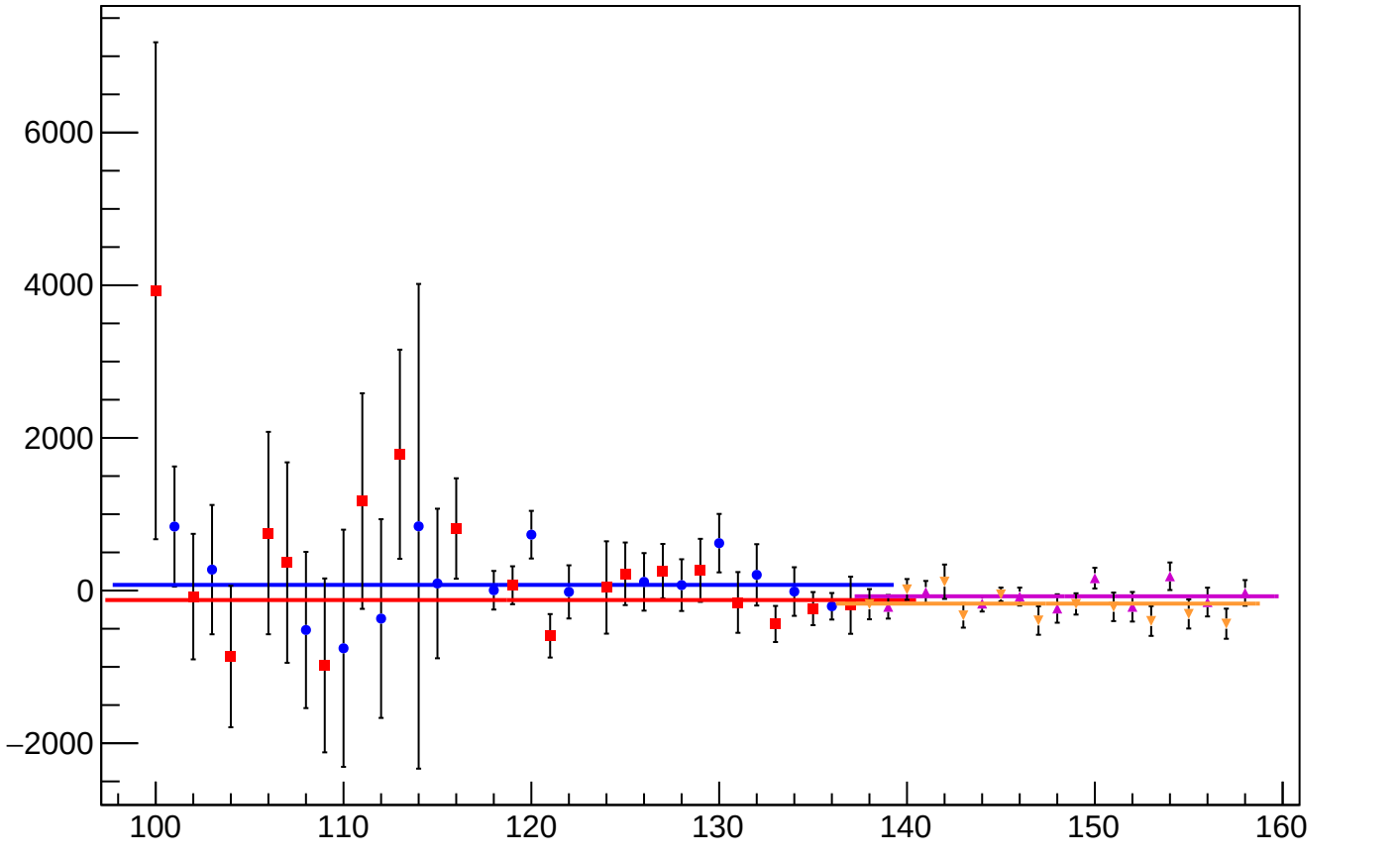
Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 45.950+/-0.011 χ^2/NDF:135850.3/9

+ sign 50.240+/-0.009 χ^2/NDF: 2258318.3/26

All: 50.722+/-0.007 χ^2/NDF: 4786452.3/55

- sign 51.223+/-0.009 χ^2/NDF: 2522611.0/28



Right In: 74.295+/-94.492 χ^2/NDF: 11.2/15

Left Out: -170.974+/-47.143 χ^2/NDF:11.3/10

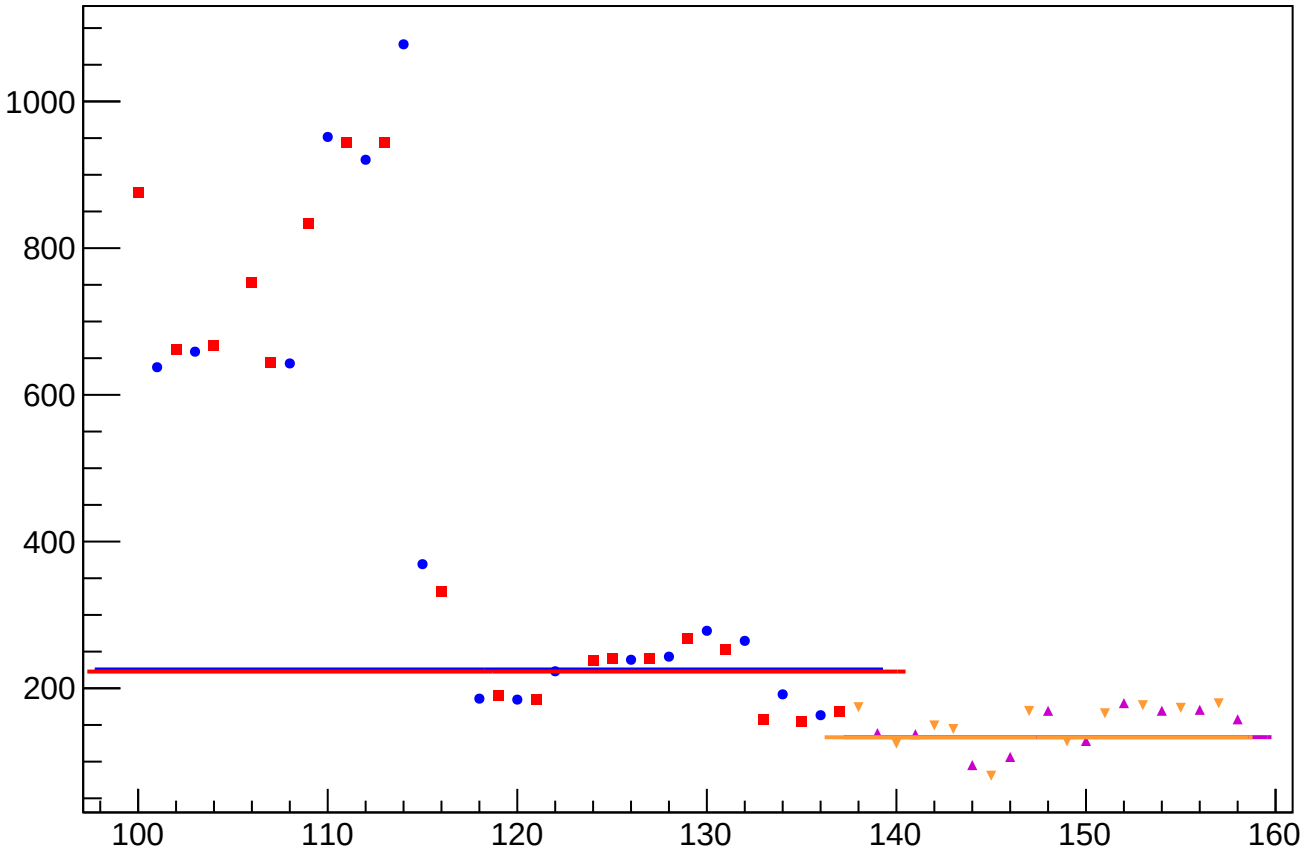
Right Out: -124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: -74.929+/-46.810 χ^2/NDF:8.4/9

+ sign -122.092+/-42.184 χ^2/NDF: 27.9/26

All: -103.251+/-29.749 χ^2/NDF: 53.3/55

- sign -84.609+/-41.961 χ^2/NDF: 25.0/28



Right In: 225.614+/-0.067 χ^2/NDF: 3025994.8/15

Left Out: 133.181+/-0.033 χ^2/NDF:1229944.1/10

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

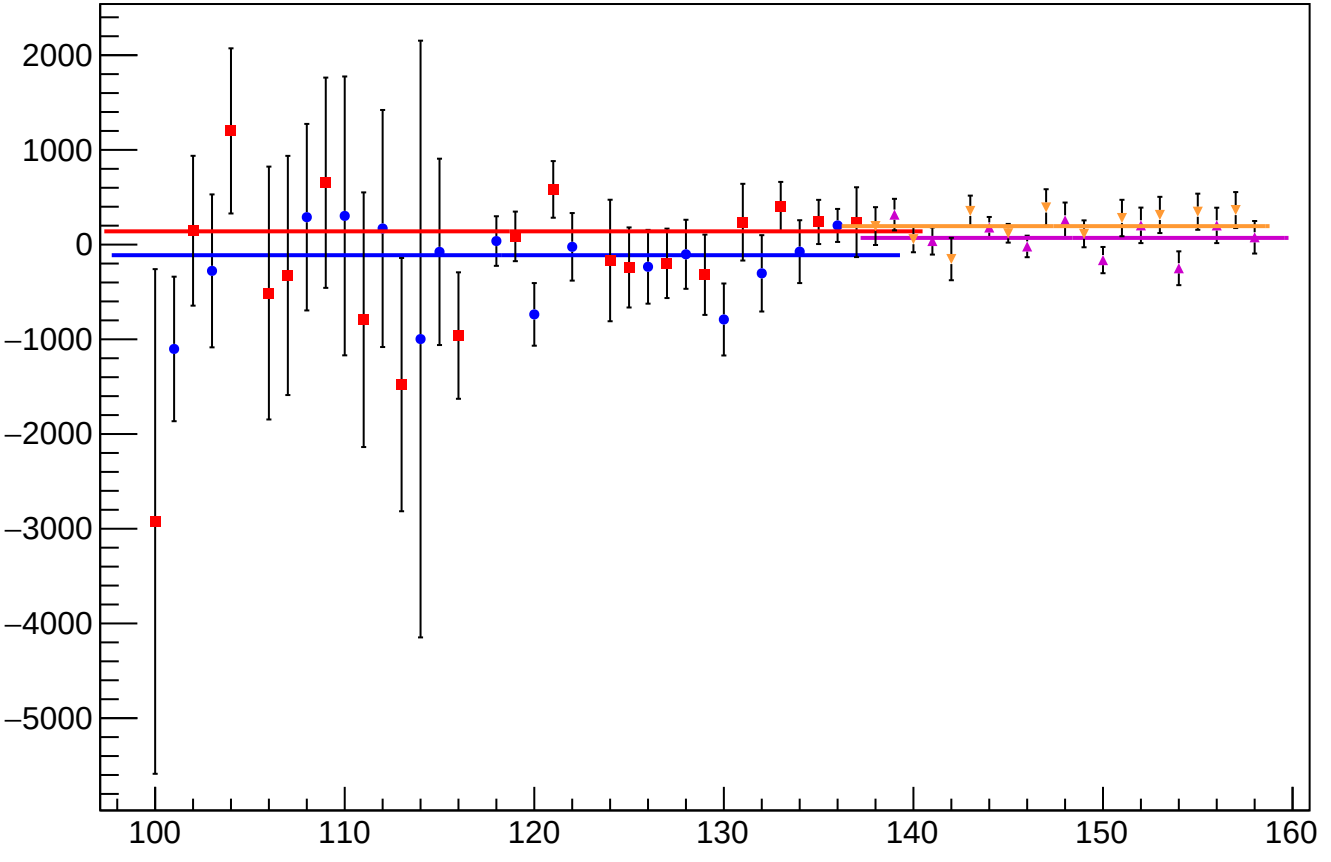
Left In: 133.381+/-0.033 χ^2/NDF:766109.9/9

+ sign 151.603+/-0.030 χ^2/NDF: 5788316.0/26

All: 151.273+/-0.021 χ^2/NDF: 11836230.1/55

- sign 150.947+/-0.030 χ^2/NDF: 6047671.0/28

asym_sam_37_26_dd_mean vs Slug



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 194.907+/-48.564 χ^2/NDF:8.3/10

Right Out: 139.974+/-99.174 χ^2/NDF: 14.6/18

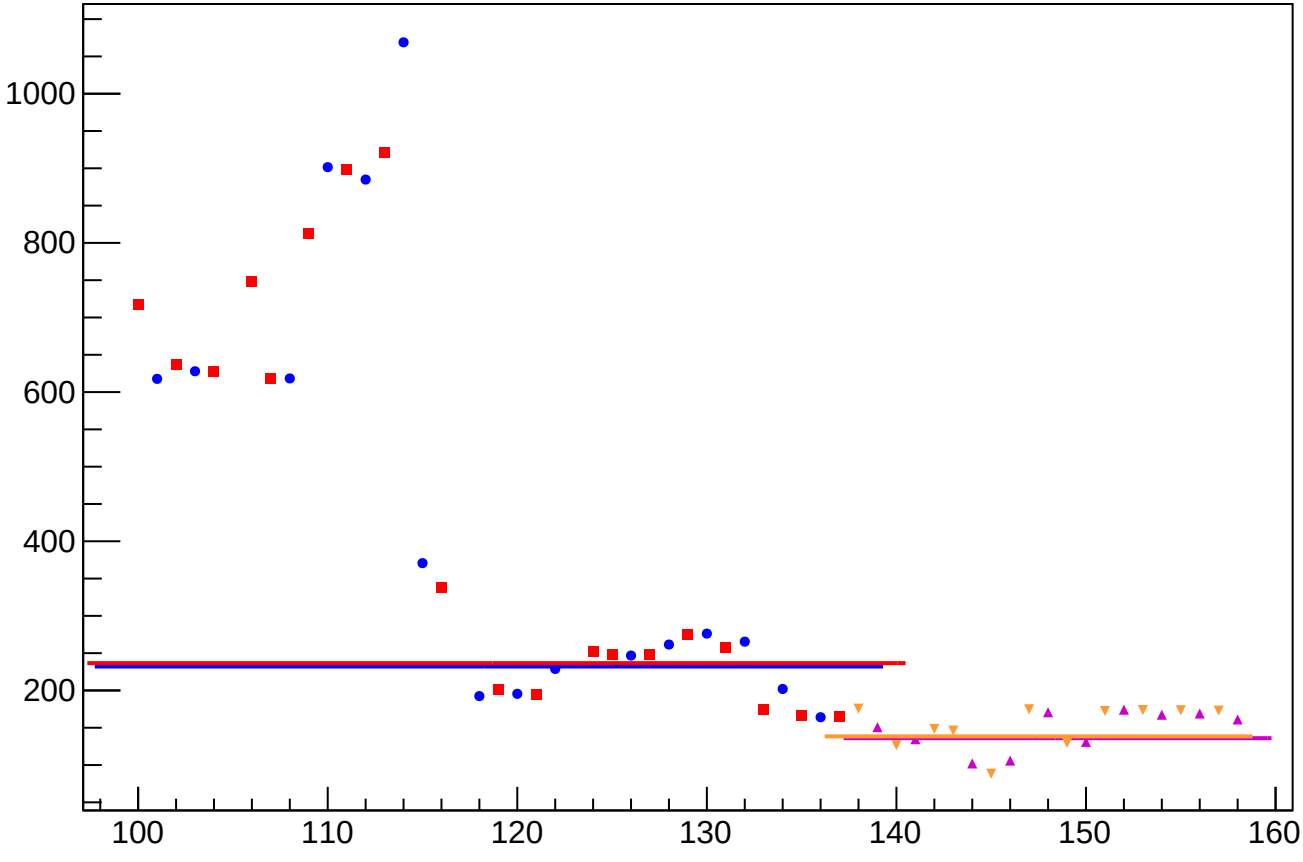
Left In: 70.674+/-47.364 χ^2/NDF:11.9/9

\+ sign 132.955+/-43.385 χ^2/NDF: 29.2/26

All: 107.881+/-30.447 χ^2/NDF: 56.8/55

\- sign 83.545+/-42.740 χ^2/NDF: 26.9/28

asym_sam_37_26_dd_rms vs Slug



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 138.460+/-0.034 χ^2/NDF:949280.1/10

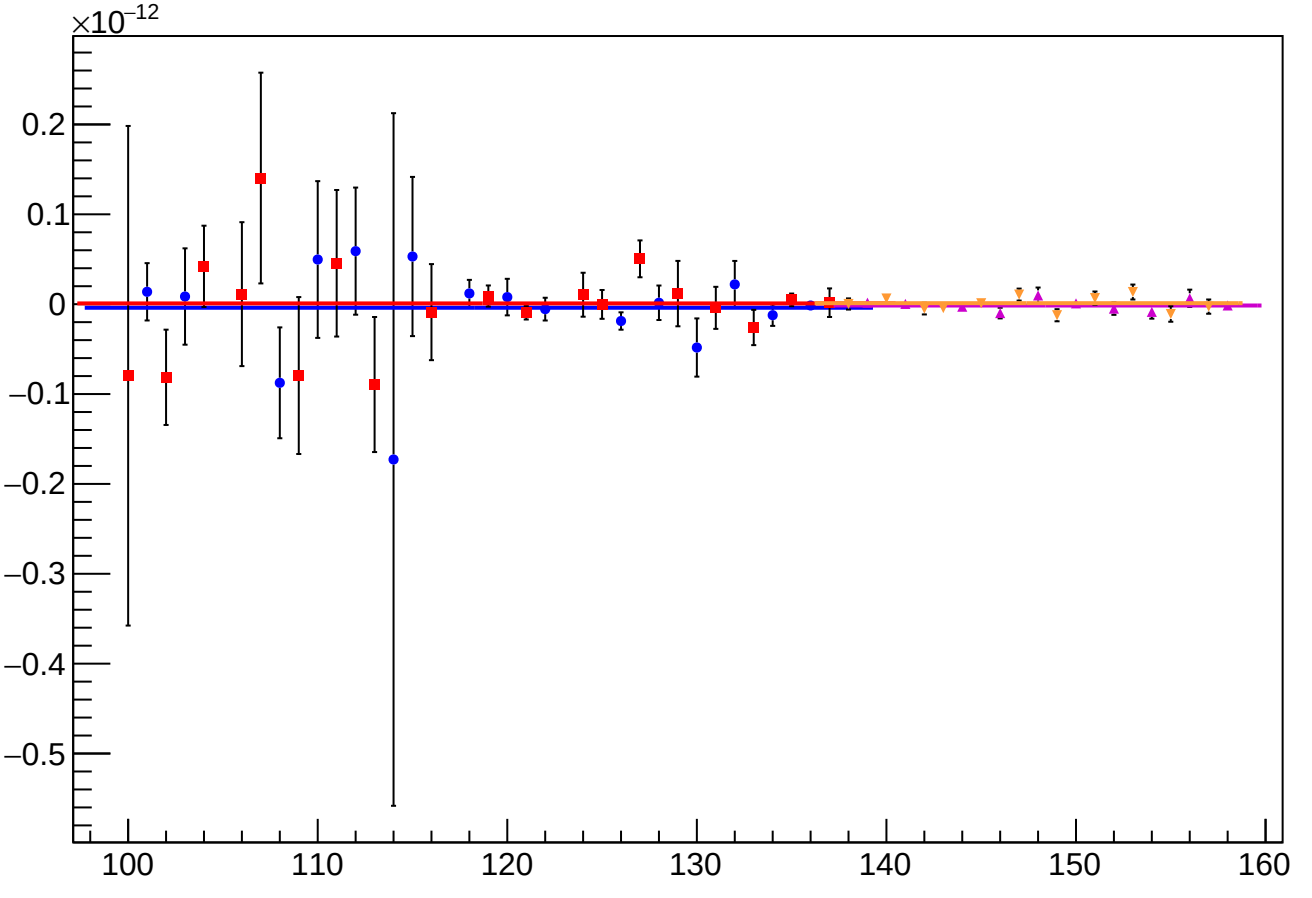
Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 136.011+/-0.033 χ^2/NDF:662969.2/9

+ sign 157.368+/-0.031 χ^2/NDF: 5336397.0/26

All: 156.015+/-0.022 χ^2/NDF: 11201127.0/55

- sign 154.702+/-0.030 χ^2/NDF: 5860897.0/28



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/10

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

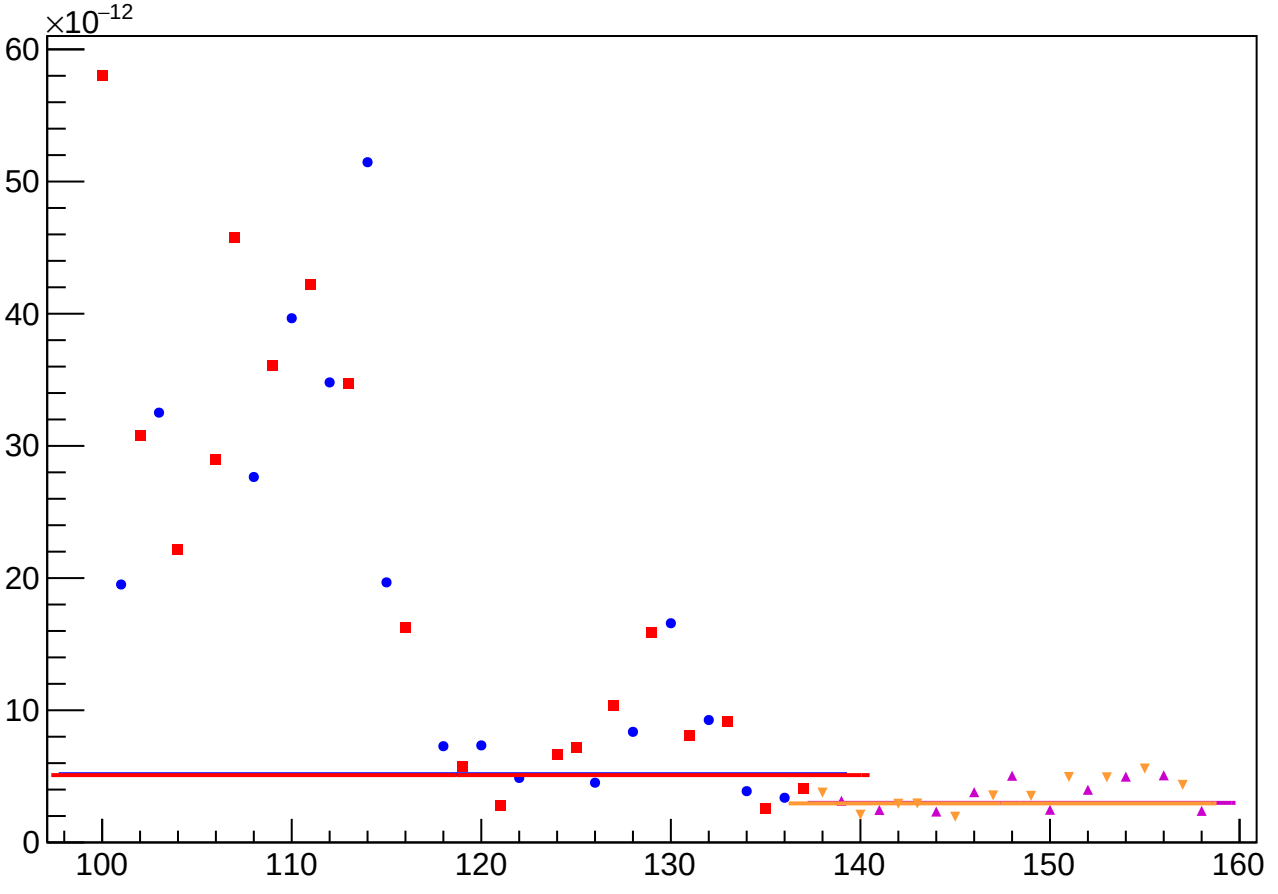
Left In: -0.000+/-0.000 χ^2/NDF:6.4/9

+ sign 0.000+/-0.000 χ^2/NDF: 28.2/26

All: -0.000+/-0.000 χ^2/NDF: 53.4/55

- sign -0.000+/-0.000 χ^2/NDF: 24.8/28

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2618432.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:894351.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 3236196.8/18

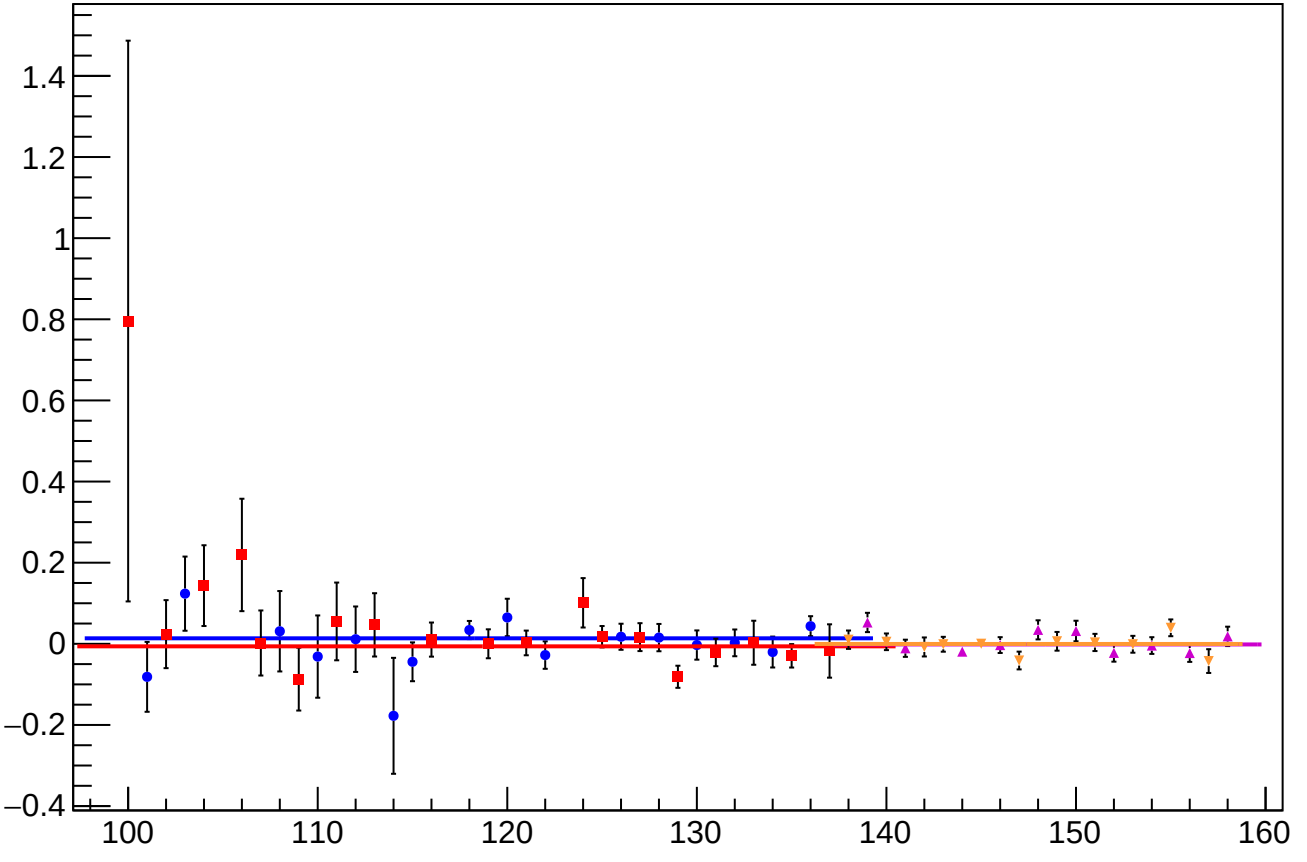
Left In: 0.000+/-0.000 χ^2/NDF:581337.0/9

+ sign 0.000+/-0.000 χ^2/NDF: 4115708.1/26

All: 0.000+/-0.000 χ^2/NDF: 8411210.2/55

- sign 0.000+/-0.000 χ^2/NDF: 4295485.0/28

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.006 χ^2/NDF:9.8/10

Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

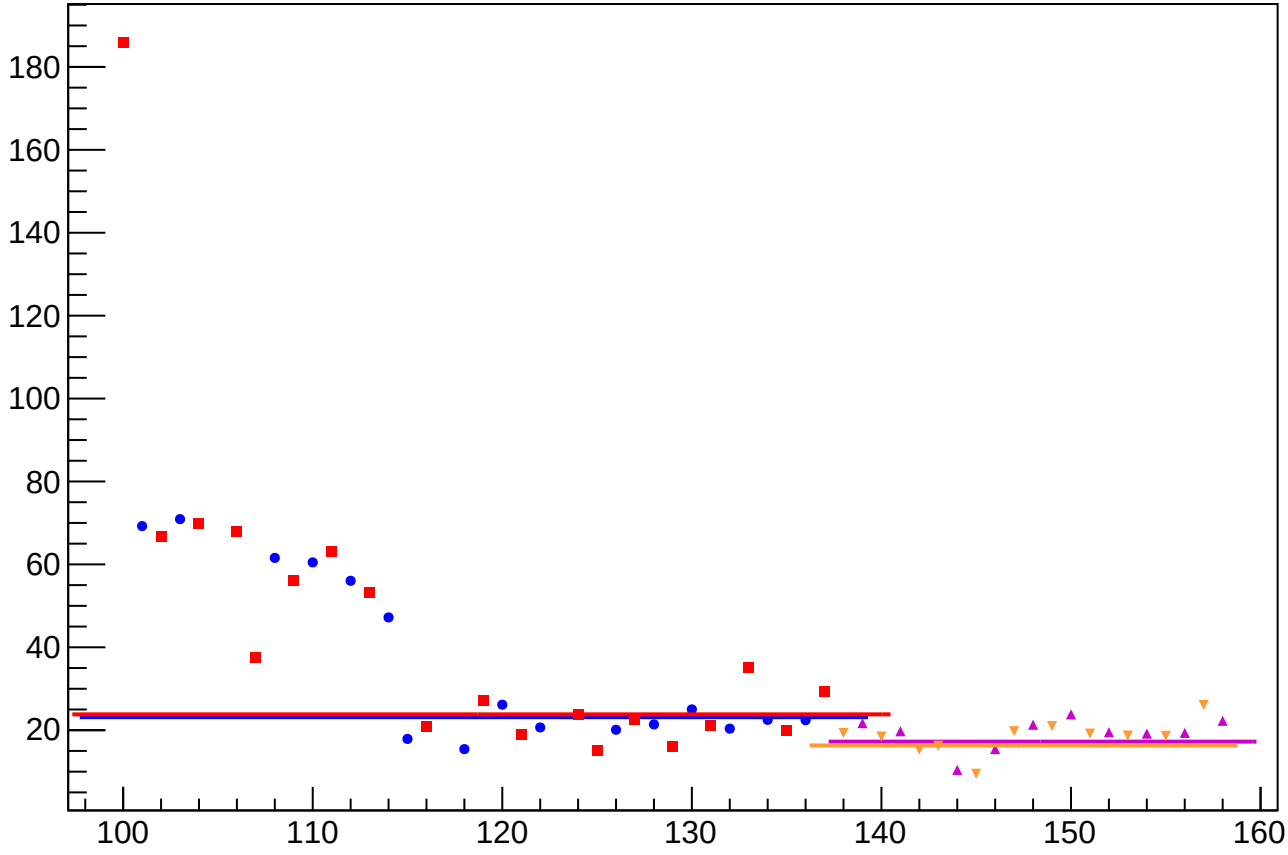
Left In: -0.002+/-0.006 χ^2/NDF:14.3/9

+ sign 0.003+/-0.005 χ^2/NDF: 23.6/26

All: 0.000+/-0.004 χ^2/NDF: 60.1/55

- sign -0.003+/-0.005 χ^2/NDF: 35.9/28

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 16.326+/-0.004 χ^2/NDF:1232742.0/10

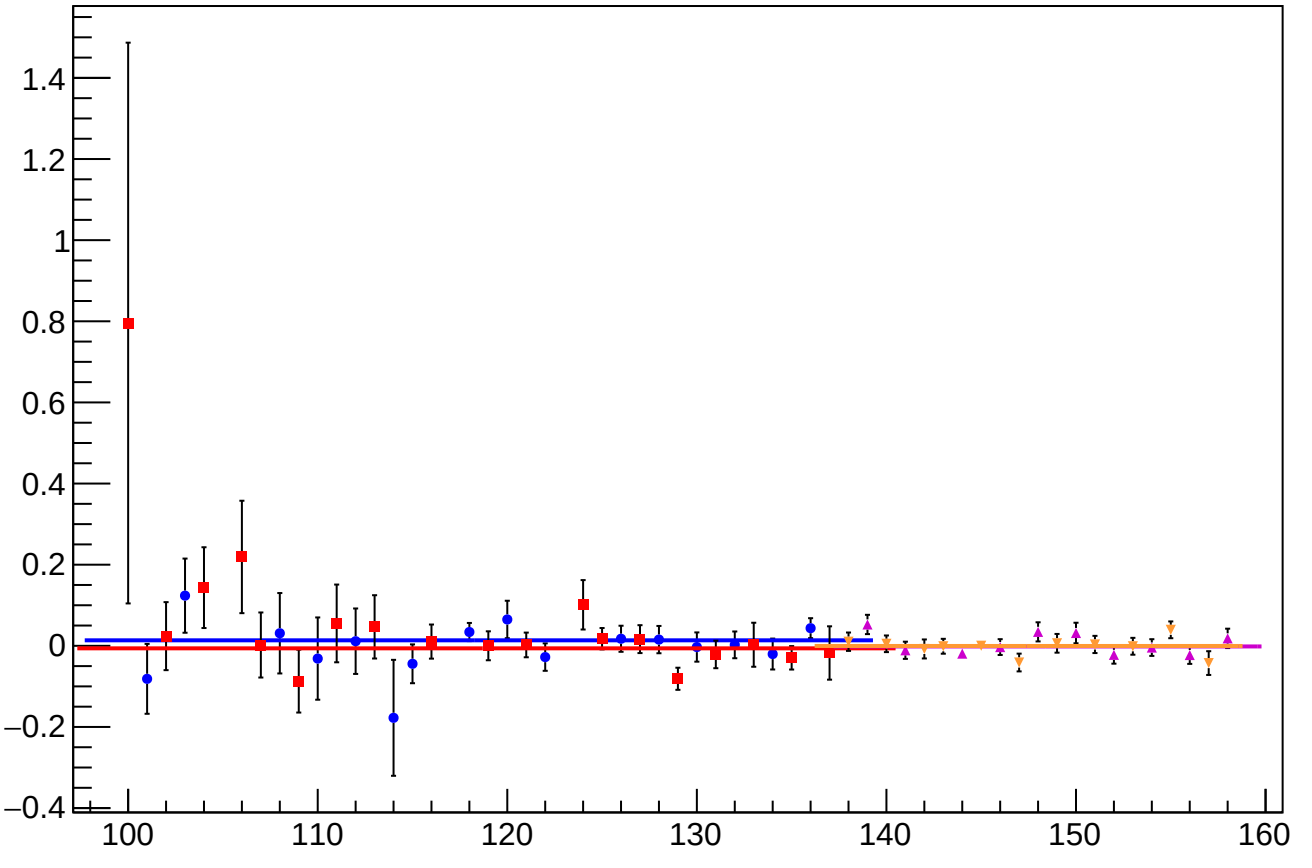
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 17.244+/-0.004 χ^2/NDF:1123659.4/9

\+ sign 18.117+/-0.004 χ^2/NDF: 4346391.5/26

All: 18.573+/-0.003 χ^2/NDF: 9019623.5/55

\- sign 19.080+/-0.004 χ^2/NDF: 4638734.8/28



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.006 χ^2/NDF:9.8/10

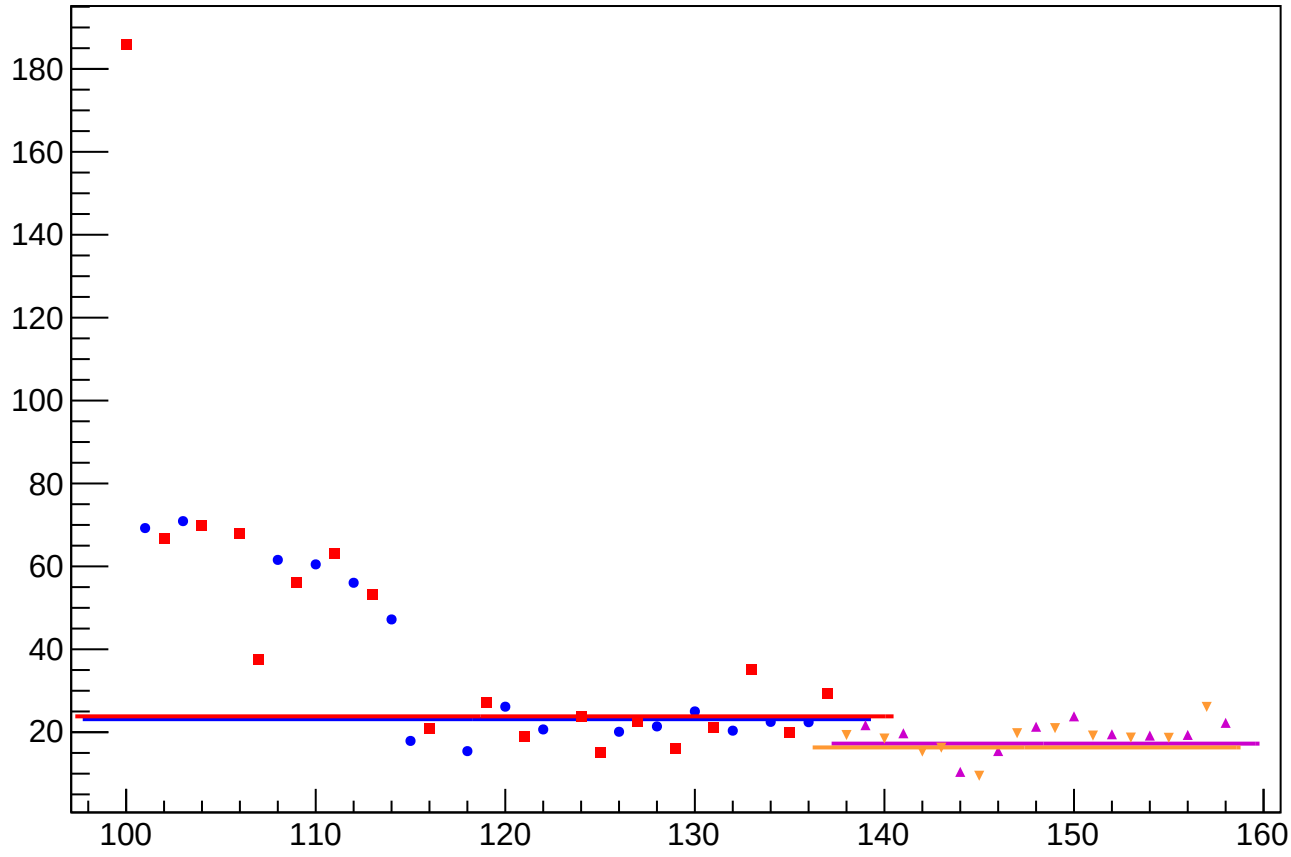
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.002+/-0.006 χ^2/NDF:14.3/9

+ sign 0.003+/-0.005 χ^2/NDF: 23.6/26

All: 0.000+/-0.004 χ^2/NDF: 60.1/55

- sign -0.003+/-0.005 χ^2/NDF: 35.9/28



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 16.326+/-0.004 χ^2/NDF:1232742.0/10

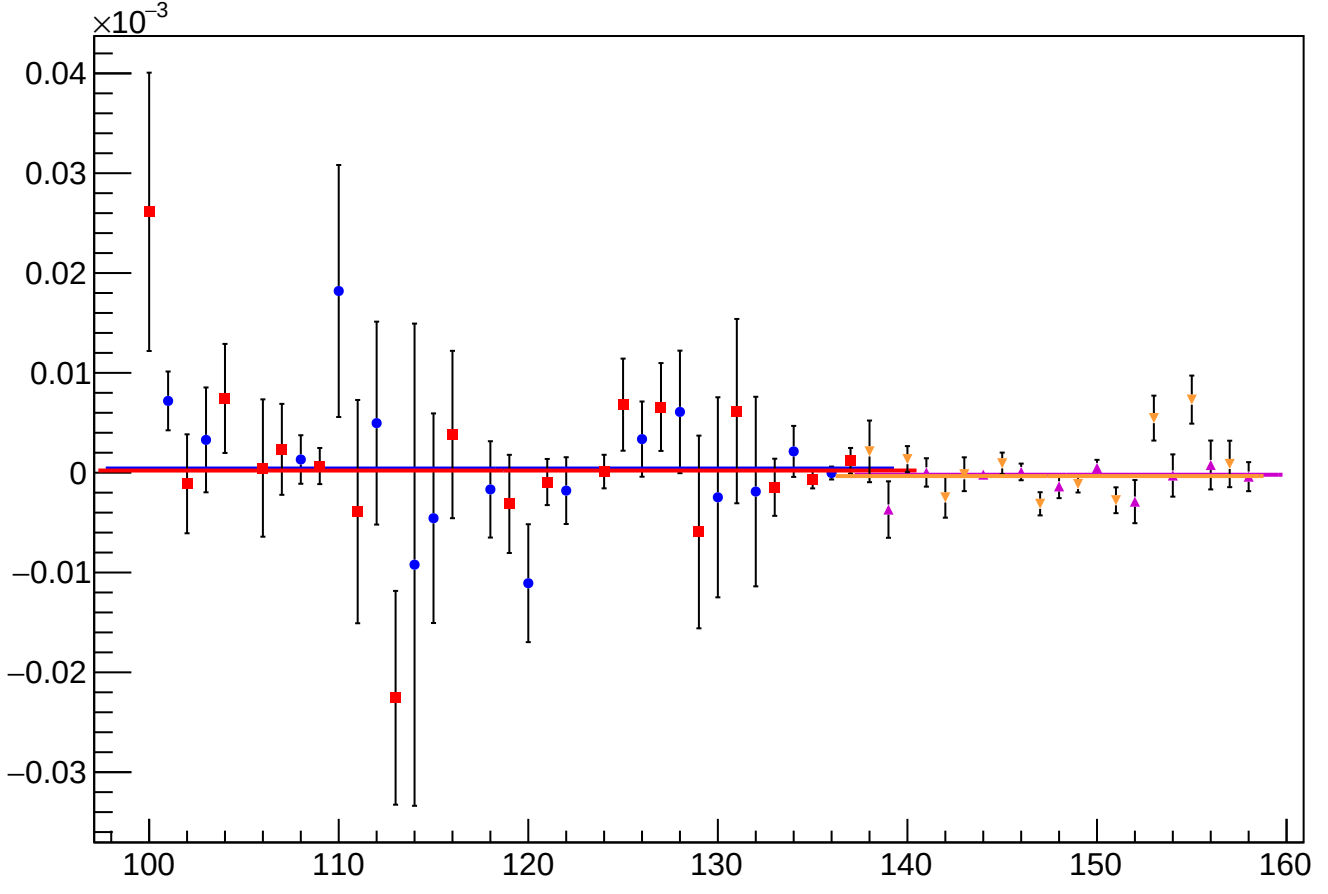
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 17.244+/-0.004 χ^2/NDF:1123659.4/9

+ sign 18.117+/-0.004 χ^2/NDF: 4346391.5/26

All: 18.573+/-0.003 χ^2/NDF: 9019623.5/55

- sign 19.080+/-0.004 χ^2/NDF: 4638734.8/28



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.0/10

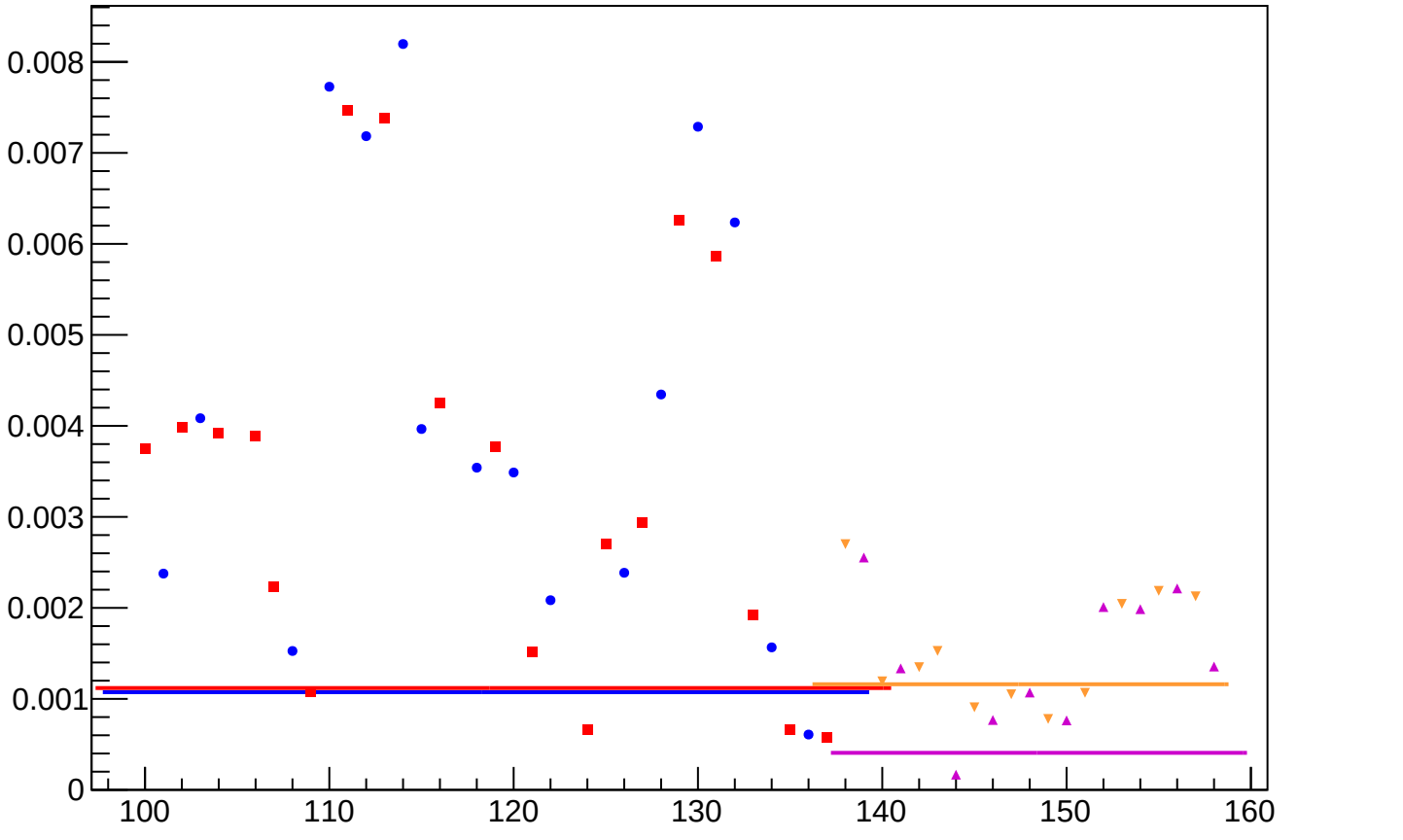
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: -0.000+/-0.000 χ^2/NDF:5.1/9

+ sign -0.000+/-0.000 χ^2/NDF: 48.4/26

All: -0.000+/-0.000 χ^2/NDF: 71.9/55

- sign -0.000+/-0.000 χ^2/NDF: 23.5/28



Right In: 0.001+/-0.000 χ^2/NDF: 7045313.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:2164744.8/10

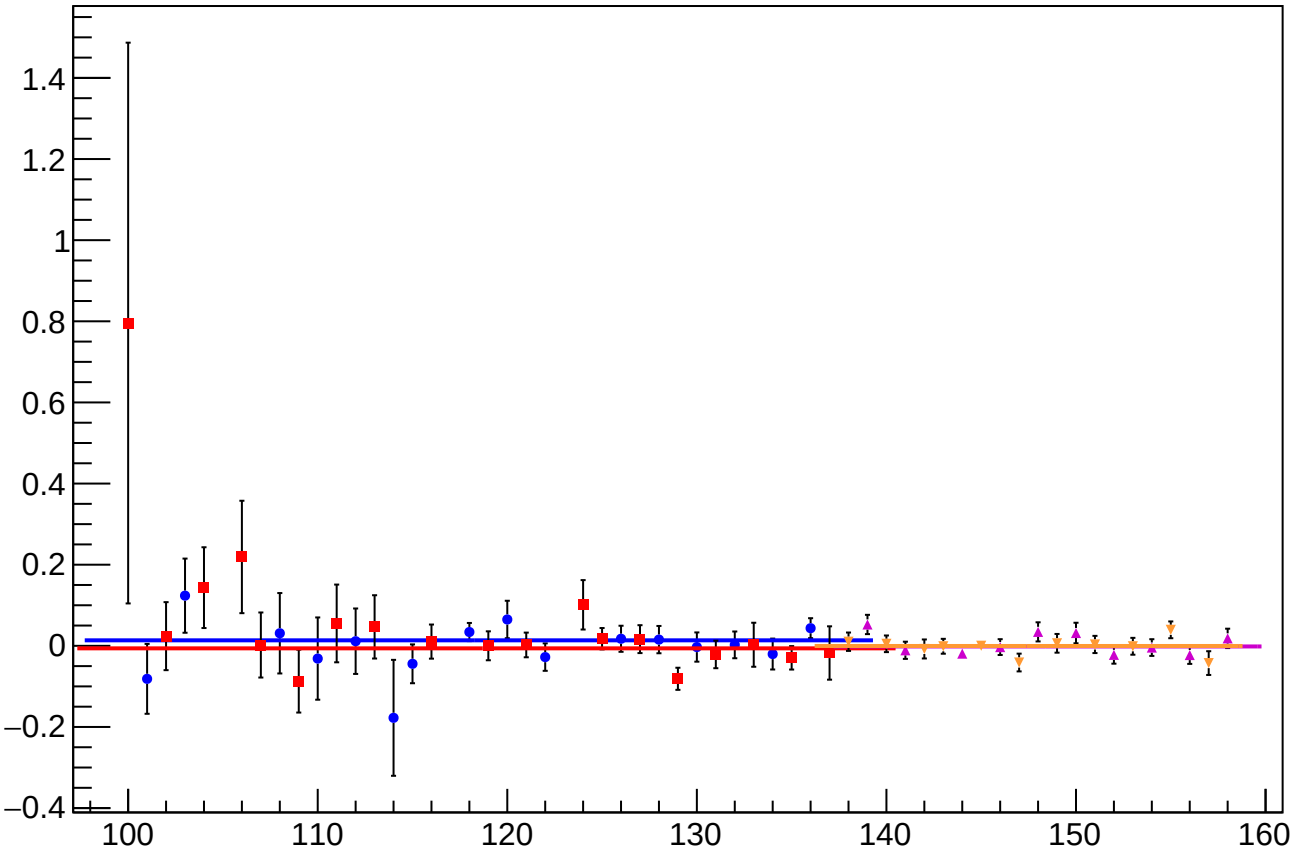
Right Out: 0.001+/-0.000 χ^2/NDF: 6796343.2/18

Left In: 0.000+/-0.000 χ^2/NDF:9335424.4/9

+ sign 0.001+/-0.000 χ^2/NDF: 9240462.7/26

All: 0.001+/-0.000 χ^2/NDF: 33125964.6/55

- sign 0.000+/-0.000 χ^2/NDF: 18867050.1/28



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.006 χ^2/NDF:9.8/10

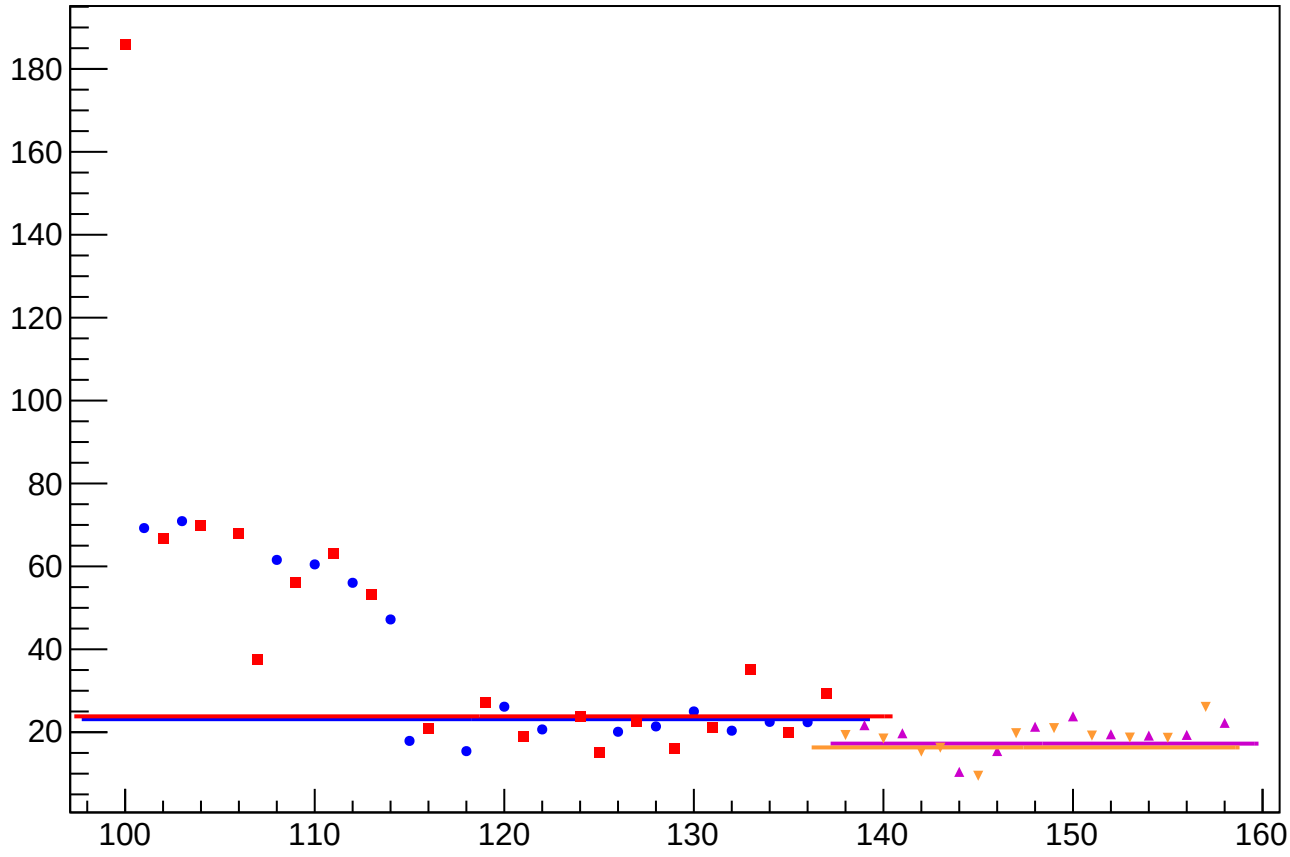
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.002+/-0.006 χ^2/NDF:14.3/9

+ sign 0.003+/-0.005 χ^2/NDF: 23.6/26

All: 0.000+/-0.004 χ^2/NDF: 60.1/55

- sign -0.003+/-0.005 χ^2/NDF: 35.9/28



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 16.327+/-0.004 χ^2/NDF:1232847.9/10

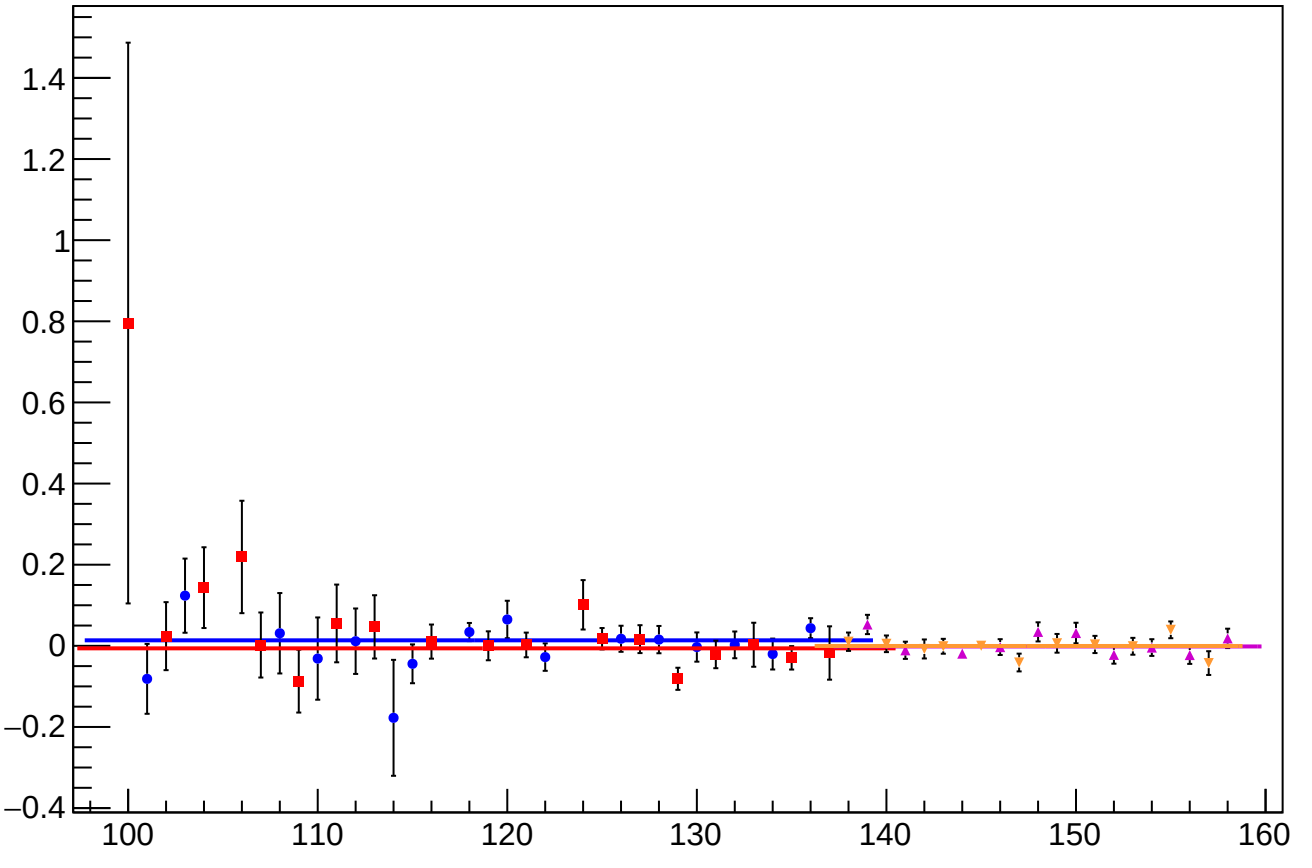
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 17.244+/-0.004 χ^2/NDF:1123632.6/9

+ sign 18.117+/-0.004 χ^2/NDF: 4346282.4/26

All: 18.573+/-0.003 χ^2/NDF: 9019319.9/55

- sign 19.080+/-0.004 χ^2/NDF: 4638528.0/28



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.006 χ^2/NDF:9.8/10

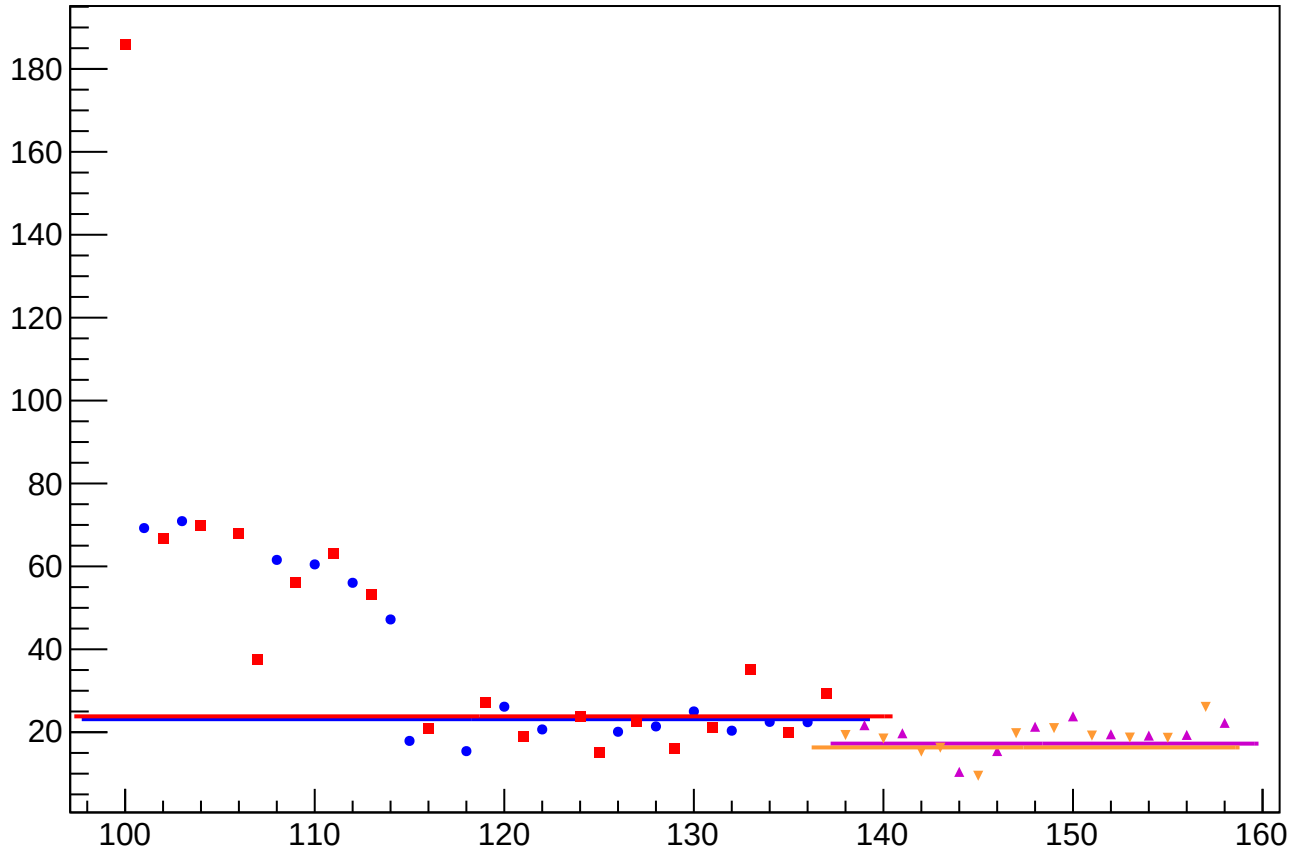
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.002+/-0.006 χ^2/NDF:14.3/9

+ sign 0.003+/-0.005 χ^2/NDF: 23.6/26

All: 0.000+/-0.004 χ^2/NDF: 60.1/55

- sign -0.003+/-0.005 χ^2/NDF: 35.9/28



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 16.327+/-0.004 χ^2/NDF:1232847.9/10

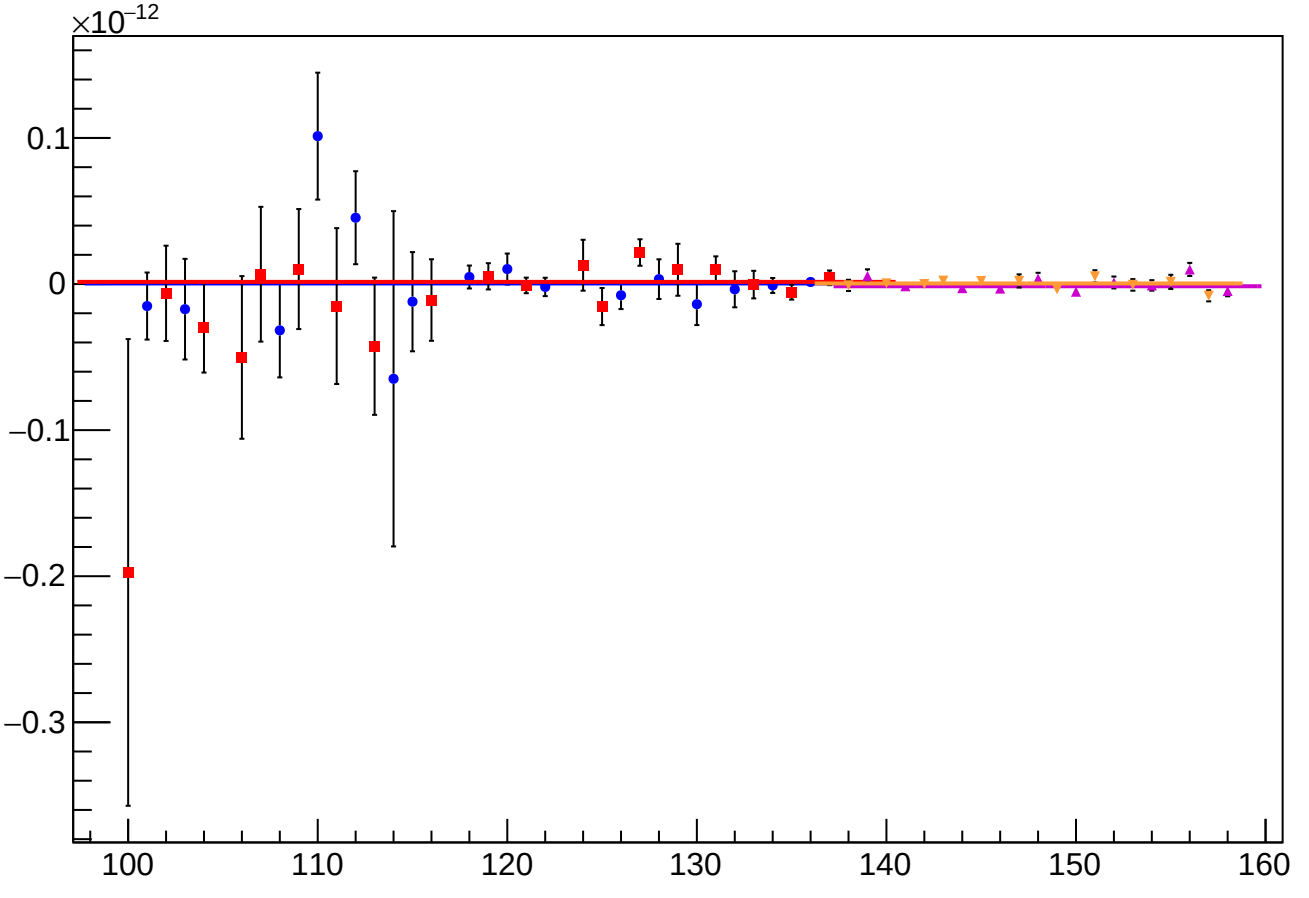
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 17.244+/-0.004 χ^2/NDF:1123632.6/9

+ sign 18.117+/-0.004 χ^2/NDF: 4346282.4/26

All: 18.573+/-0.003 χ^2/NDF: 9019319.9/55

- sign 19.080+/-0.004 χ^2/NDF: 4638528.0/28



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.2/10

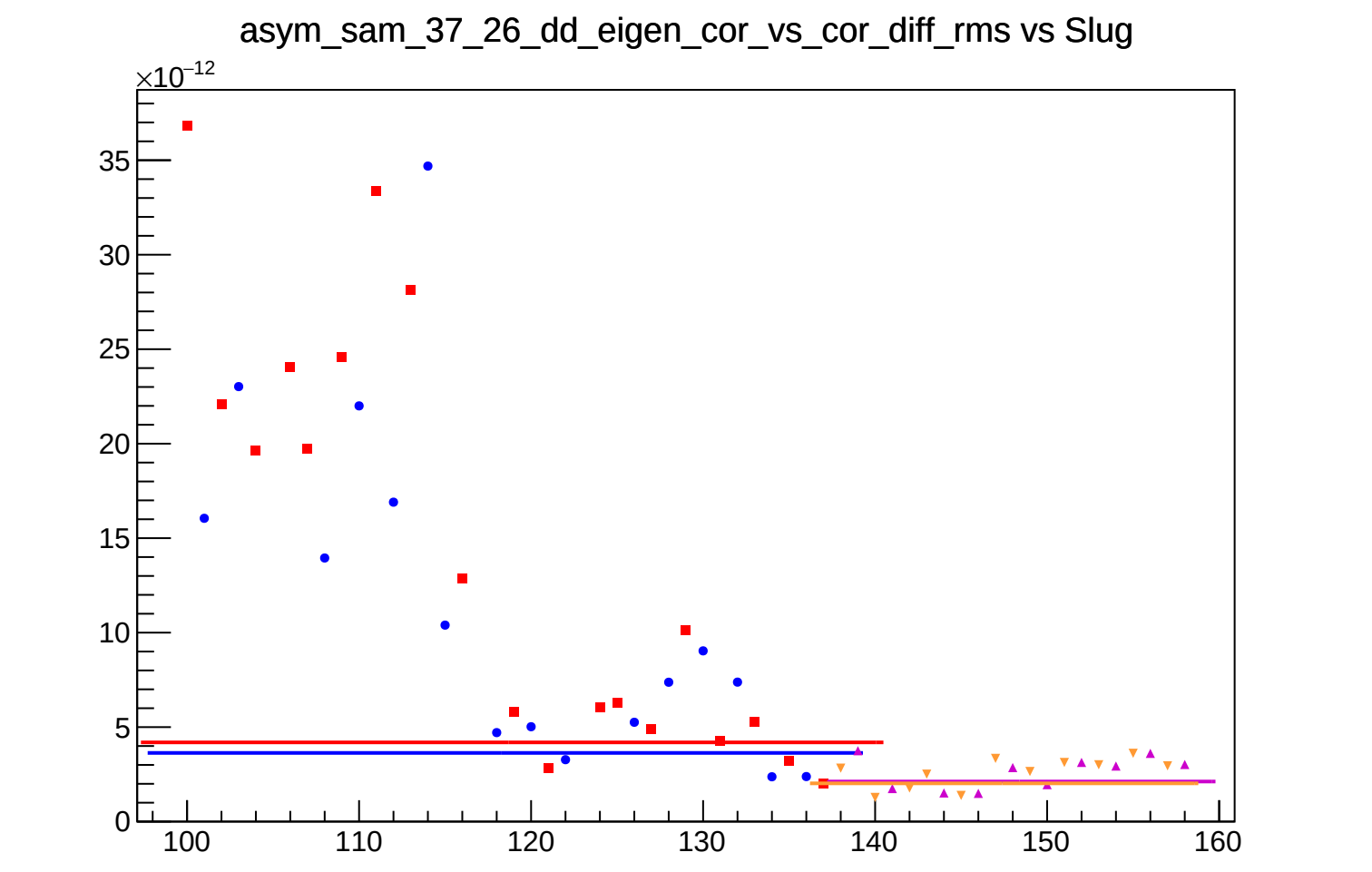
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:14.9/9

+ sign 0.000+/-0.000 χ^2/NDF: 22.1/26

All: -0.000+/-0.000 χ^2/NDF: 55.7/55

- sign -0.000+/-0.000 χ^2/NDF: 31.9/28



Right In: 0.000+/-0.000 χ^2/NDF: 3590314.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1609978.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 4454808.3/18

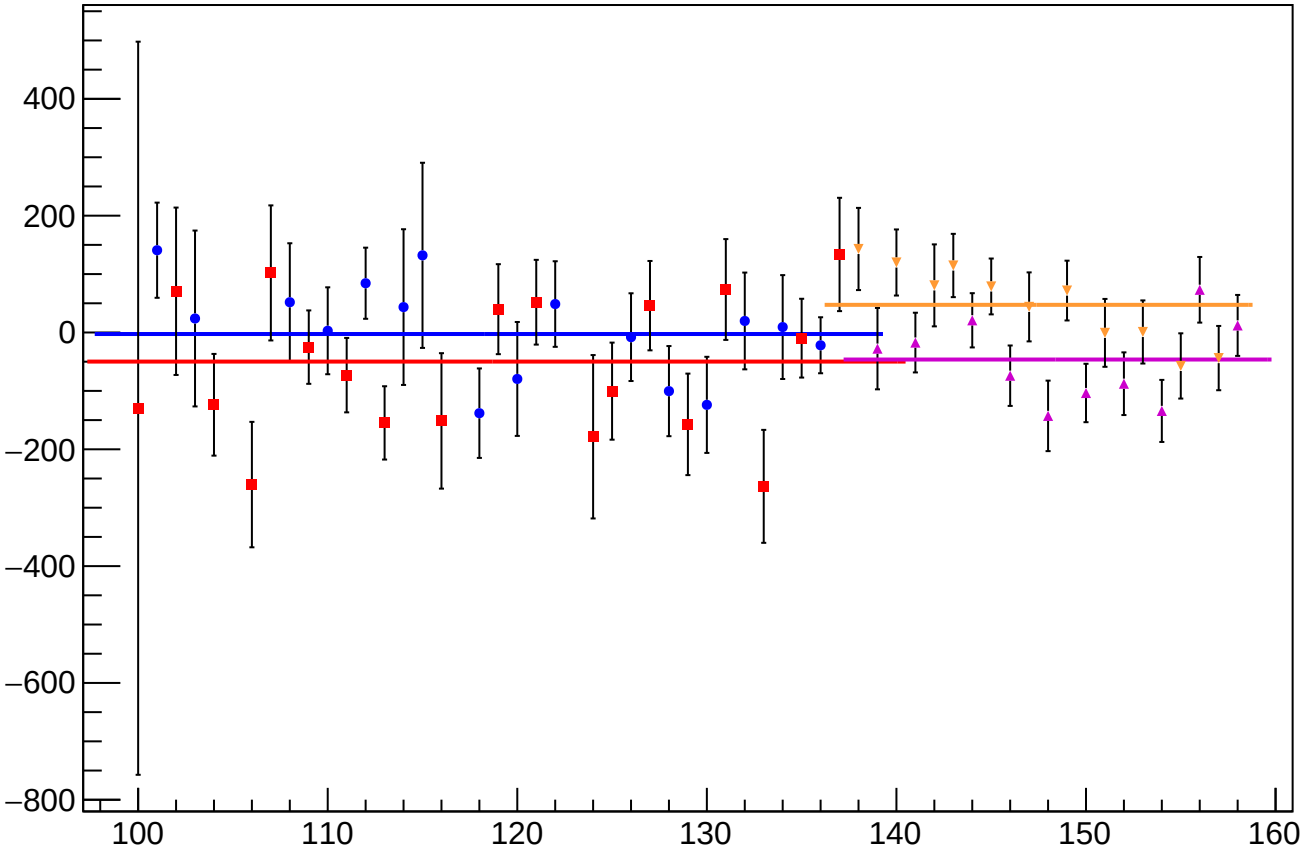
Left In: 0.000+/-0.000 χ^2/NDF:1328618.4/9

+ sign 0.000+/-0.000 χ^2/NDF: 6235236.7/26

All: 0.000+/-0.000 χ^2/NDF: 13378961.3/55

- sign 0.000+/-0.000 χ^2/NDF: 7124646.4/28

reg_asym_sam_1357_avg_mean vs Slug



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 47.342+/-17.017 χ^2/NDF:13.6/10

Right Out: -49.810+/-19.621 χ^2/NDF: 29.4/18

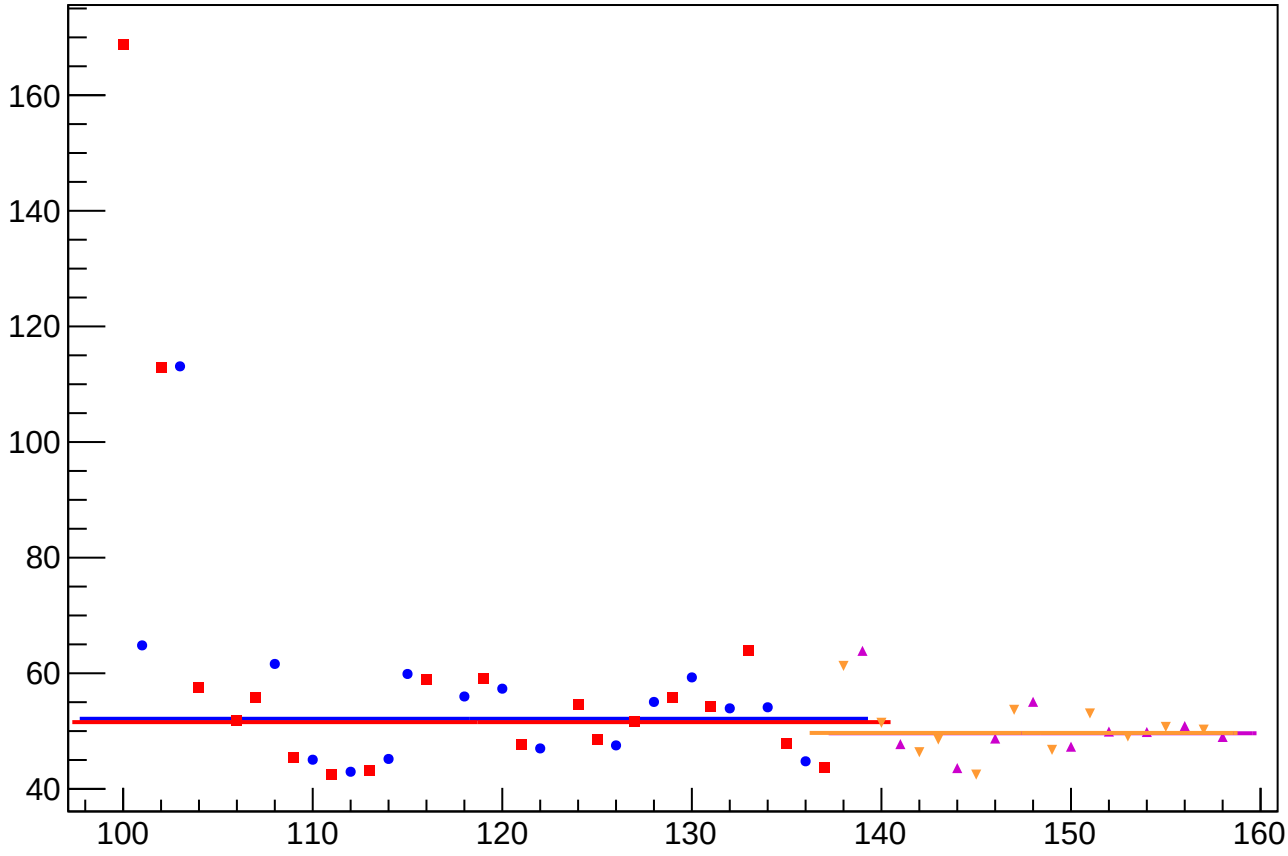
Left In: -46.289+/-16.936 χ^2/NDF:15.7/9

+ sign 26.356+/-12.959 χ^2/NDF: 31.8/26

All: -11.117+/-9.114 χ^2/NDF: 93.5/55

- sign -47.792+/-12.820 χ^2/NDF: 45.1/28

reg_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 49.682+/-0.012 χ^2/NDF:130666.7/10

Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

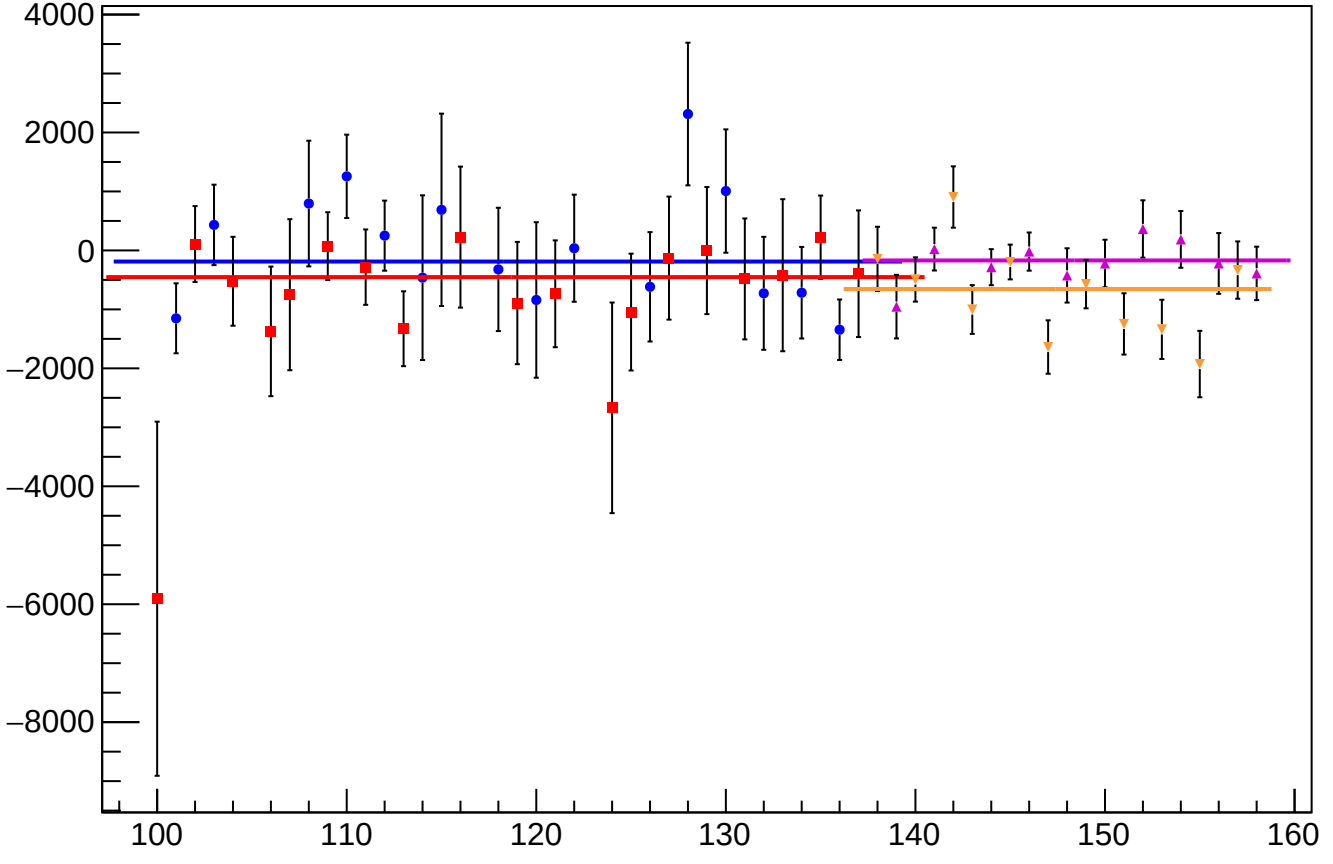
Left In: 49.625+/-0.012 χ^2/NDF:142656.9/9

+ sign 50.710+/-0.009 χ^2/NDF: 710945.8/26

All: 50.577+/-0.006 χ^2/NDF: 1504620.5/55

- sign 50.447+/-0.009 χ^2/NDF: 793257.4/28

asym_sam_1357_avg_reg_correction_mean vs Slug



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -654.183+/-132.035 χ^2/NDF:26.6/10

Right Out: -452.540+/-203.918 χ^2/NDF: 11.3/18

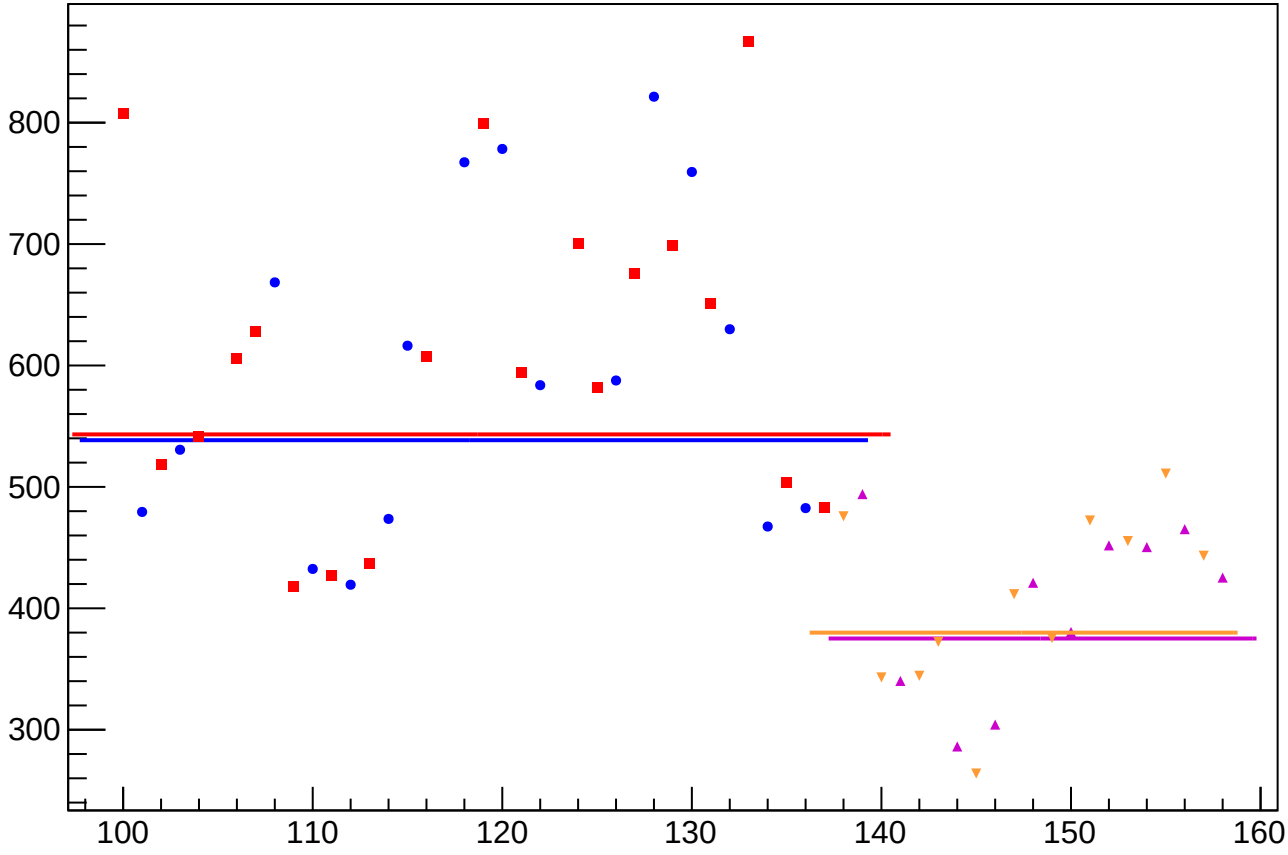
Left In: -169.994+/-129.810 χ^2/NDF:5.1/9

+ sign -518.423+/-111.132 χ^2/NDF: 51.6/26

All: -382.980+/-78.000 χ^2/NDF: 72.3/55

- sign -251.473+/-109.505 χ^2/NDF: 17.7/28

asym_sam_1357_avg_reg_correction_rms vs Slug



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 379.979+/-0.093 χ^2/NDF:661580.2/10

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

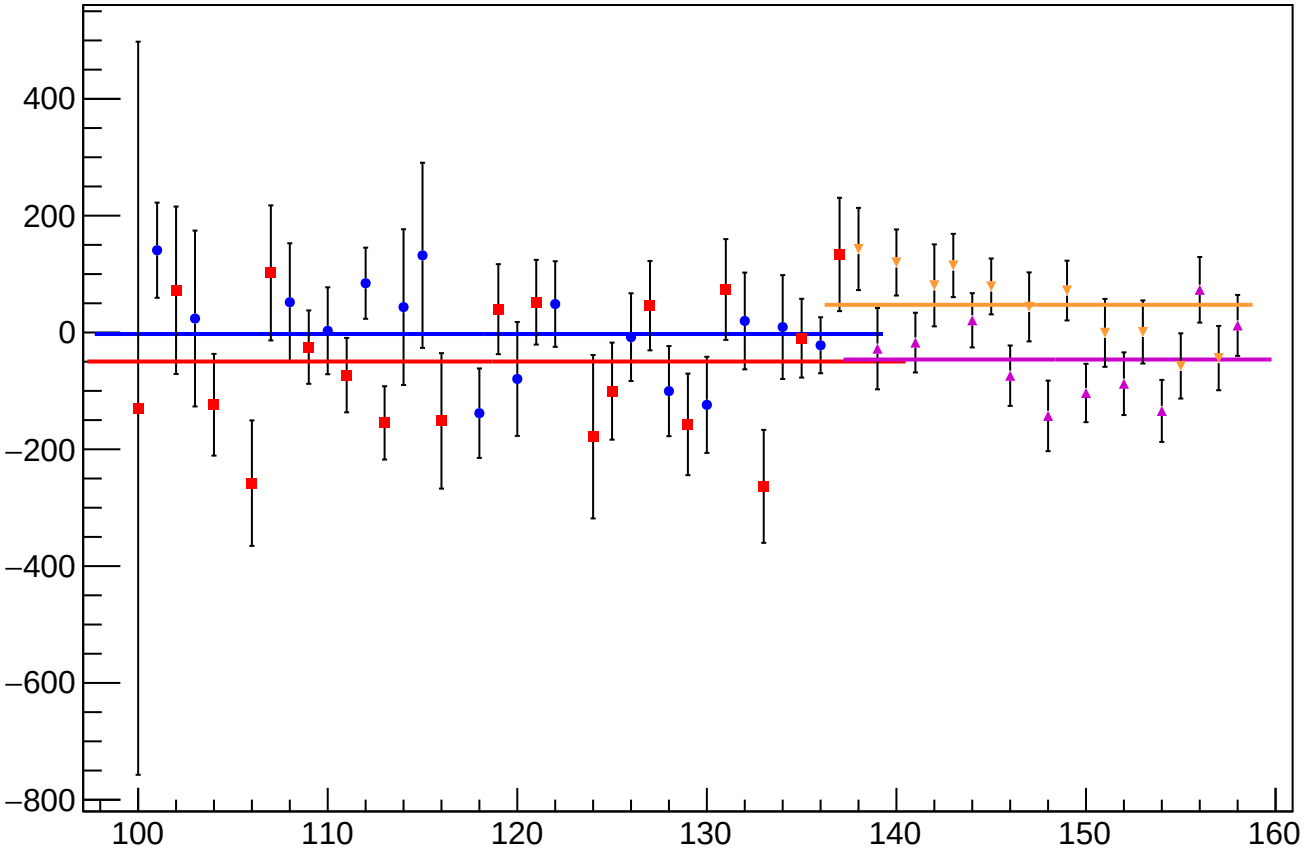
Left In: 375.136+/-0.092 χ^2/NDF:585449.4/9

+ sign 426.189+/-0.079 χ^2/NDF: 2115789.0/26

All: 424.882+/-0.055 χ^2/NDF: 4306140.5/55

- sign 423.614+/-0.077 χ^2/NDF: 2189806.6/28

cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 47.344+/-17.017 χ^2/NDF:13.6/10

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

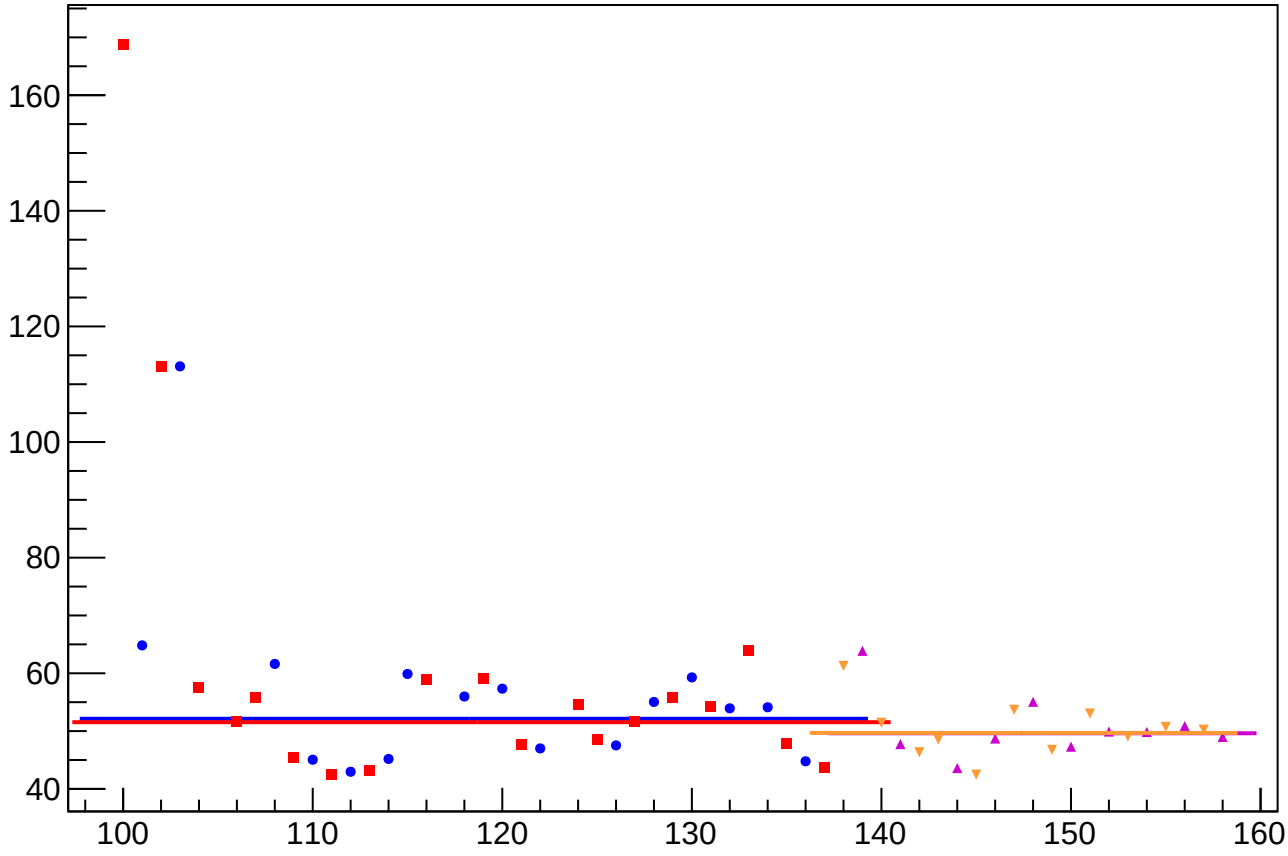
Left In: -46.291+/-16.936 χ^2/NDF:15.7/9

+ sign 26.356+/-12.959 χ^2/NDF: 31.8/26

All: -11.092+/-9.114 χ^2/NDF: 93.4/55

- sign -47.743+/-12.821 χ^2/NDF: 45.0/28

cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.682+/-0.012 χ^2/NDF:130666.7/10

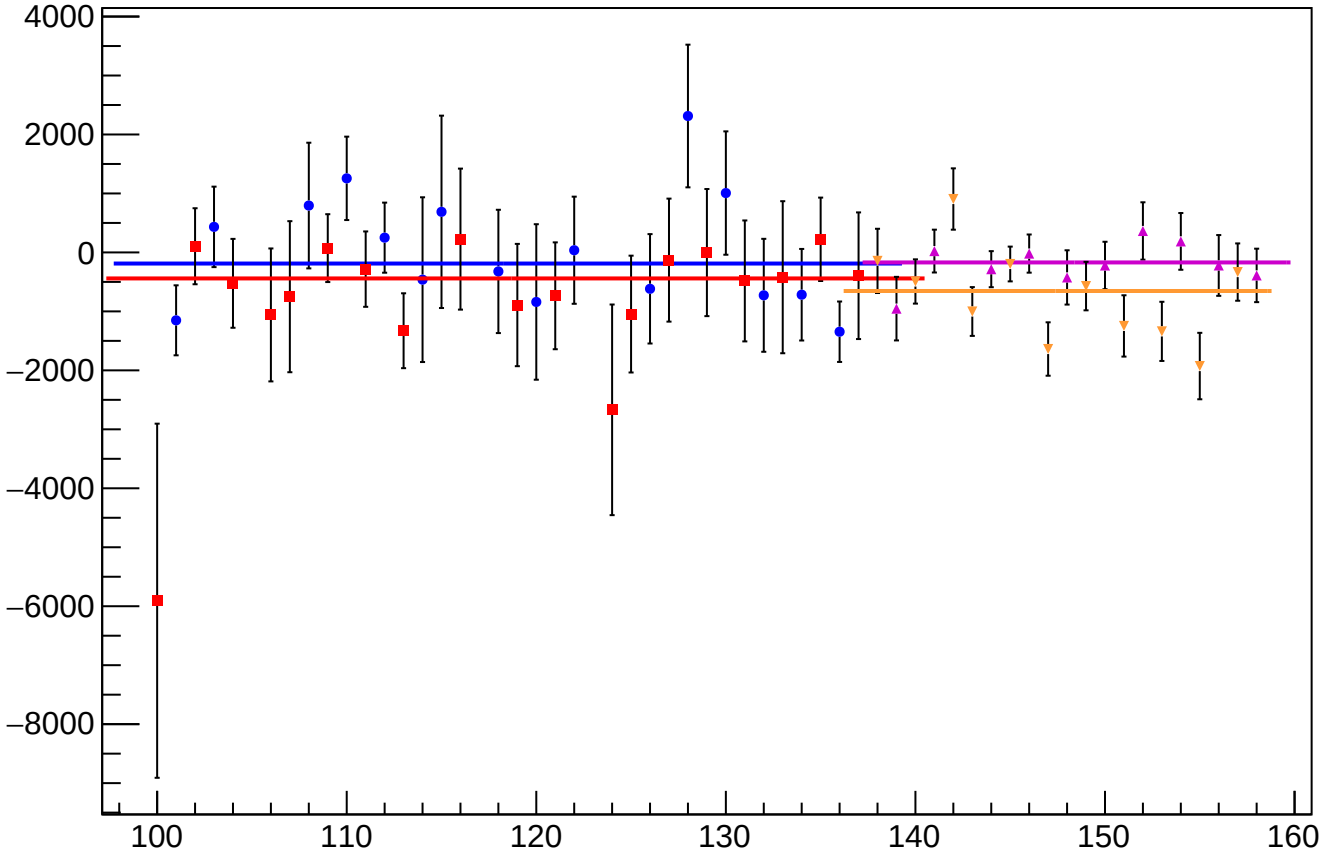
Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.625+/-0.012 χ^2/NDF:142656.8/9

+ sign 50.710+/-0.009 χ^2/NDF: 710948.1/26

All: 50.575+/-0.006 χ^2/NDF: 1504738.6/55

- sign 50.442+/-0.009 χ^2/NDF: 793359.0/28



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -654.180+/-132.035 χ^2/NDF:26.6/10

Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

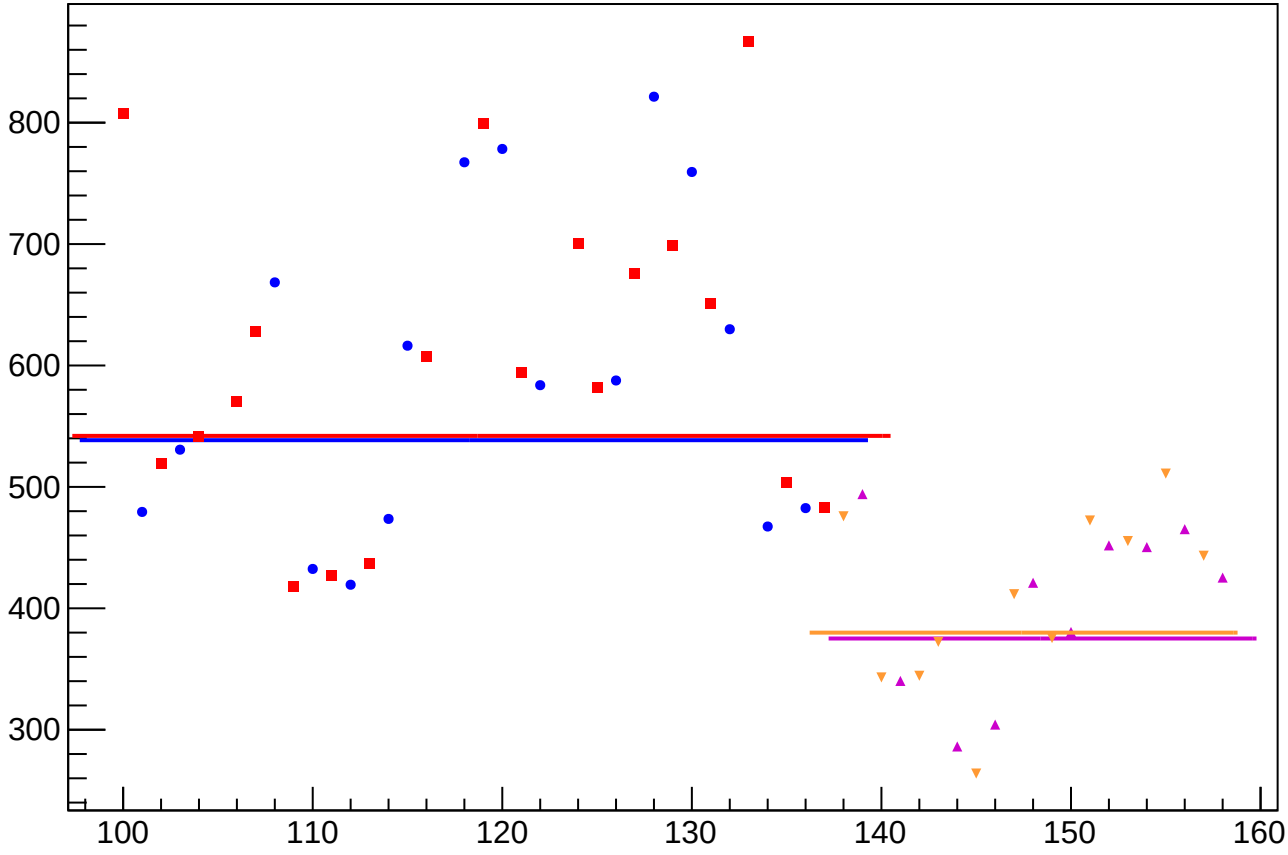
Left In: -169.997+/-129.810 χ^2/NDF:5.1/9

+ sign -518.416+/-111.132 χ^2/NDF: 51.6/26

All: -381.297+/-78.011 χ^2/NDF: 71.8/55

- sign -248.091+/-109.535 χ^2/NDF: 17.2/28

asym_sam_1357_avg_cor_correction_rms vs Slug



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 379.978+/-0.093 χ^2/NDF:661583.5/10

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

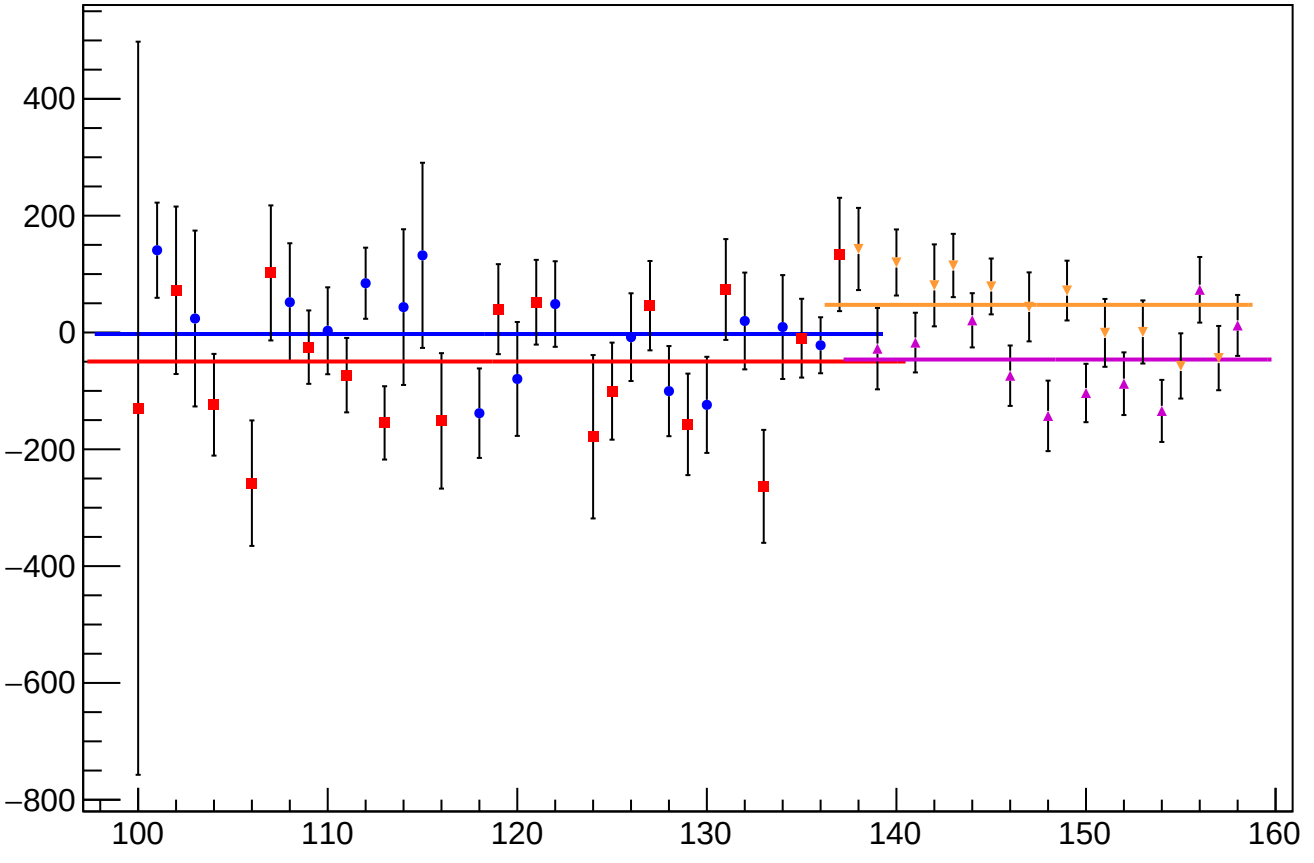
Left In: 375.136+/-0.092 χ^2/NDF:585447.9/9

+ sign 426.190+/-0.079 χ^2/NDF: 2115834.7/26

All: 424.672+/-0.055 χ^2/NDF: 4285589.1/55

- sign 423.198+/-0.077 χ^2/NDF: 2169019.2/28

eigen_cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 47.344+/-17.017 χ^2/NDF:13.6/10

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

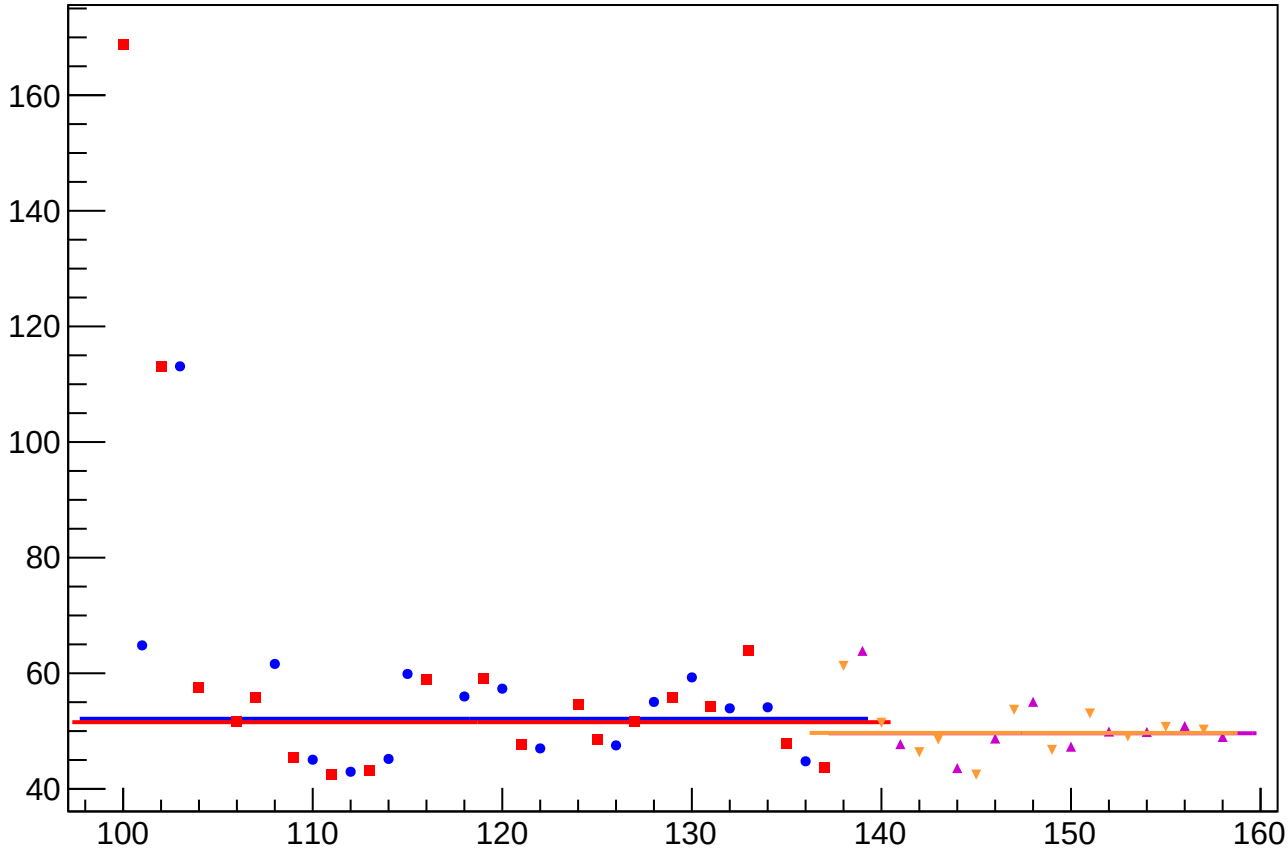
Left In: -46.291+/-16.936 χ^2/NDF:15.7/9

+ sign 26.356+/-12.959 χ^2/NDF: 31.8/26

All: -11.092+/-9.114 χ^2/NDF: 93.4/55

- sign -47.743+/-12.821 χ^2/NDF: 45.0/28

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.682+/-0.012 χ^2/NDF:130666.7/10

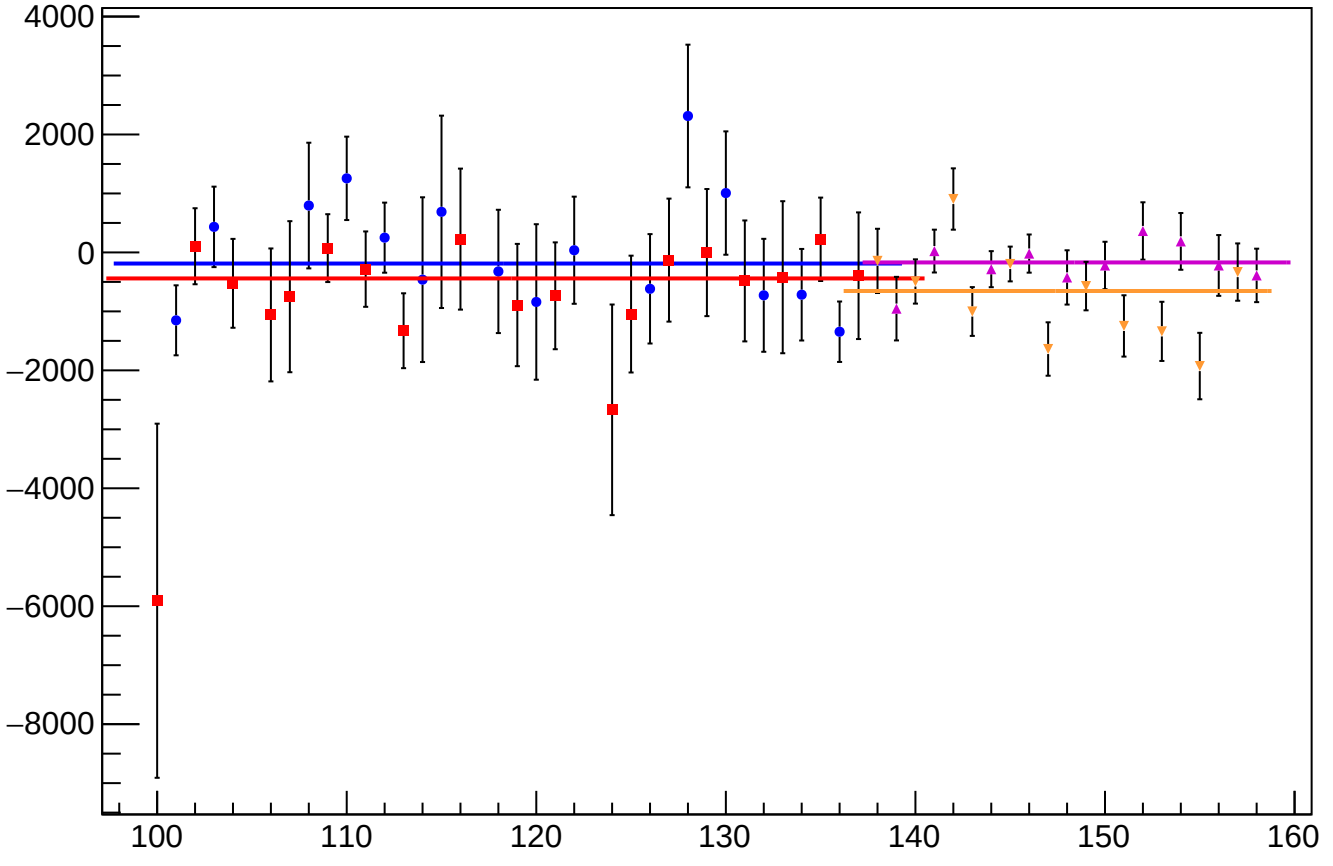
Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.625+/-0.012 χ^2/NDF:142656.8/9

+ sign 50.710+/-0.009 χ^2/NDF: 710948.1/26

All: 50.575+/-0.006 χ^2/NDF: 1504738.6/55

- sign 50.442+/-0.009 χ^2/NDF: 793359.0/28



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -654.180+/-132.035 χ^2/NDF:26.6/10

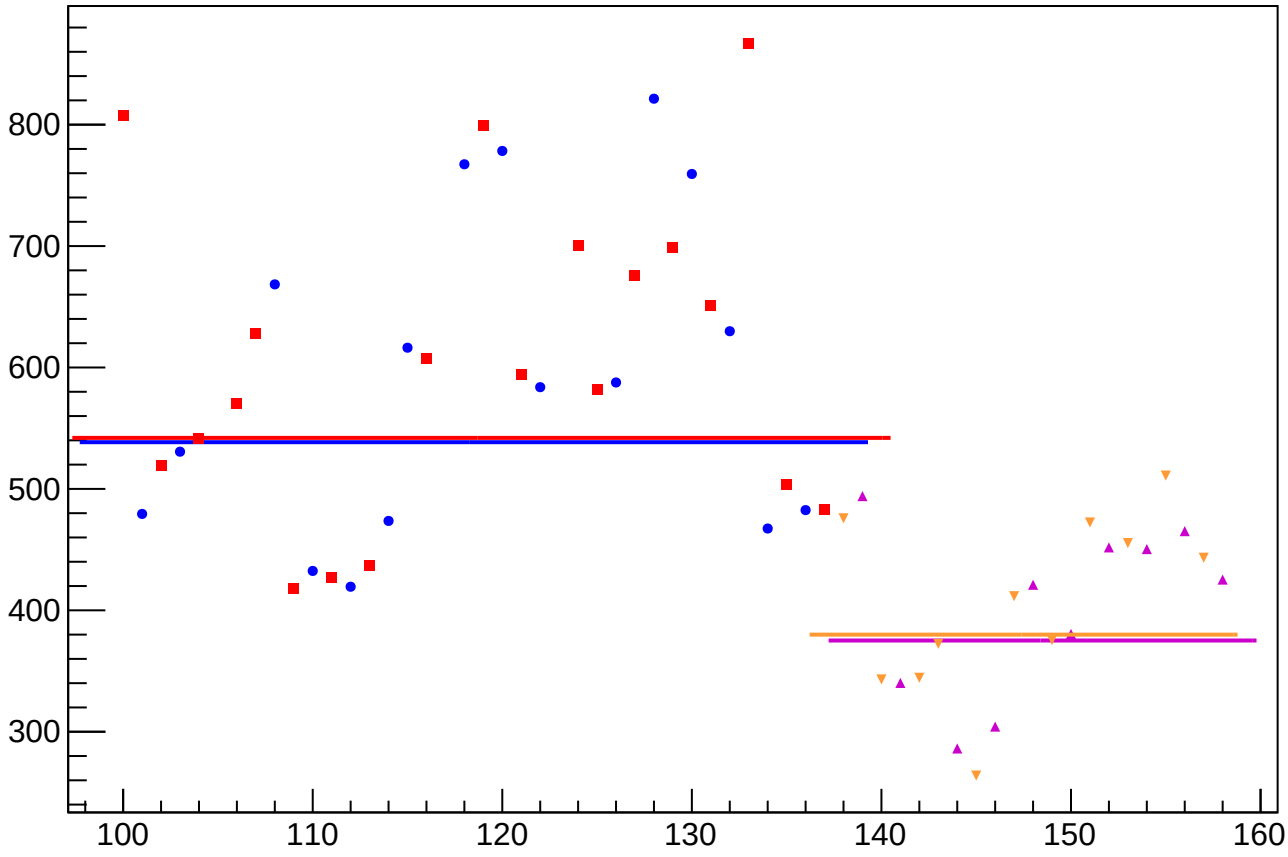
Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: -169.997+/-129.810 χ^2/NDF:5.1/9

+ sign -518.416+/-111.132 χ^2/NDF: 51.6/26

All: -381.297+/-78.011 χ^2/NDF: 71.8/55

- sign -248.091+/-109.535 χ^2/NDF: 17.2/28



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 379.978+/-0.093 χ^2/NDF:661583.5/10

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

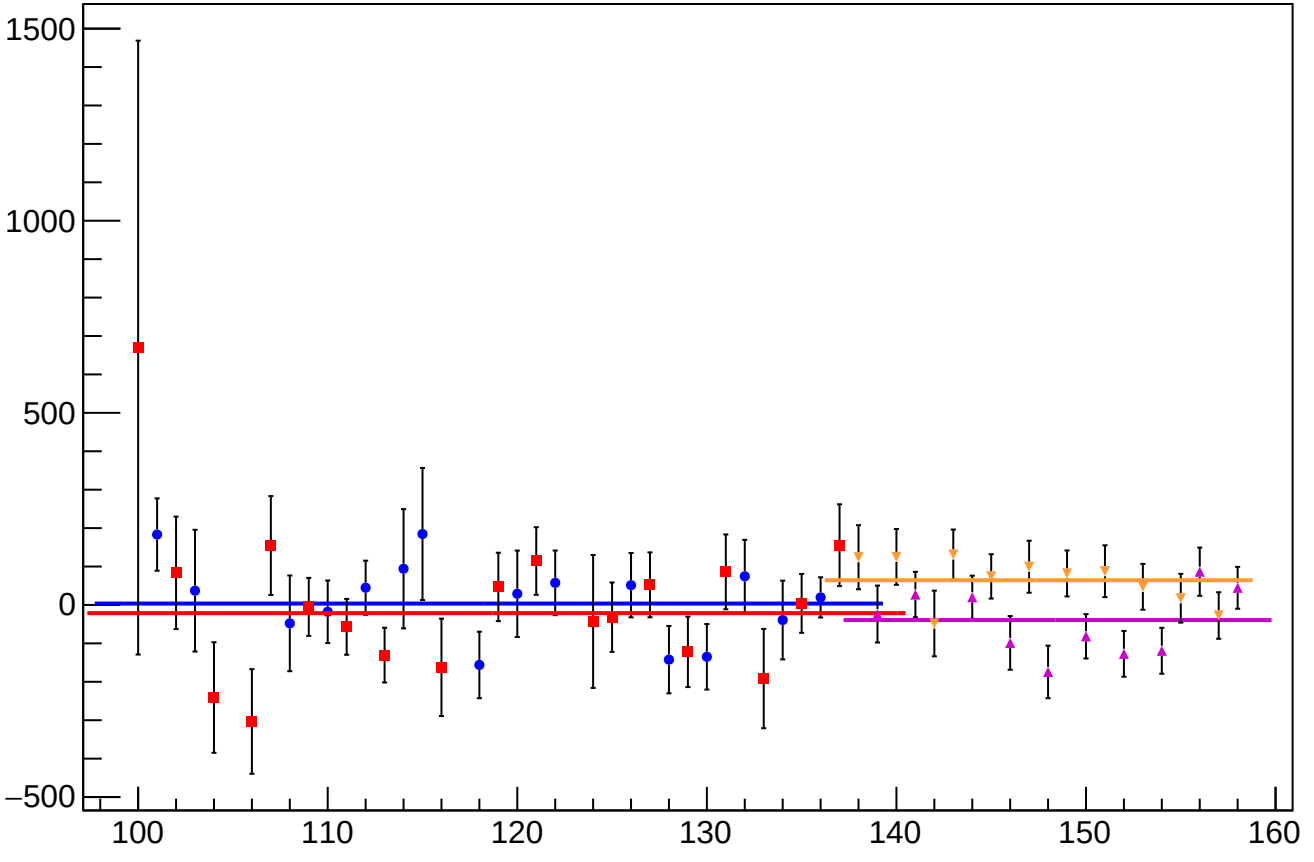
Left In: 375.136+/-0.092 χ^2/NDF:585447.9/9

+ sign 426.190+/-0.079 χ^2/NDF: 2115834.7/26

All: 424.672+/-0.055 χ^2/NDF: 4285589.1/55

- sign 423.198+/-0.077 χ^2/NDF: 2169019.2/28

dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 64.316+/-19.895 χ^2/NDF:7.4/10

Right Out: -21.253+/-22.769 χ^2/NDF: 24.4/18

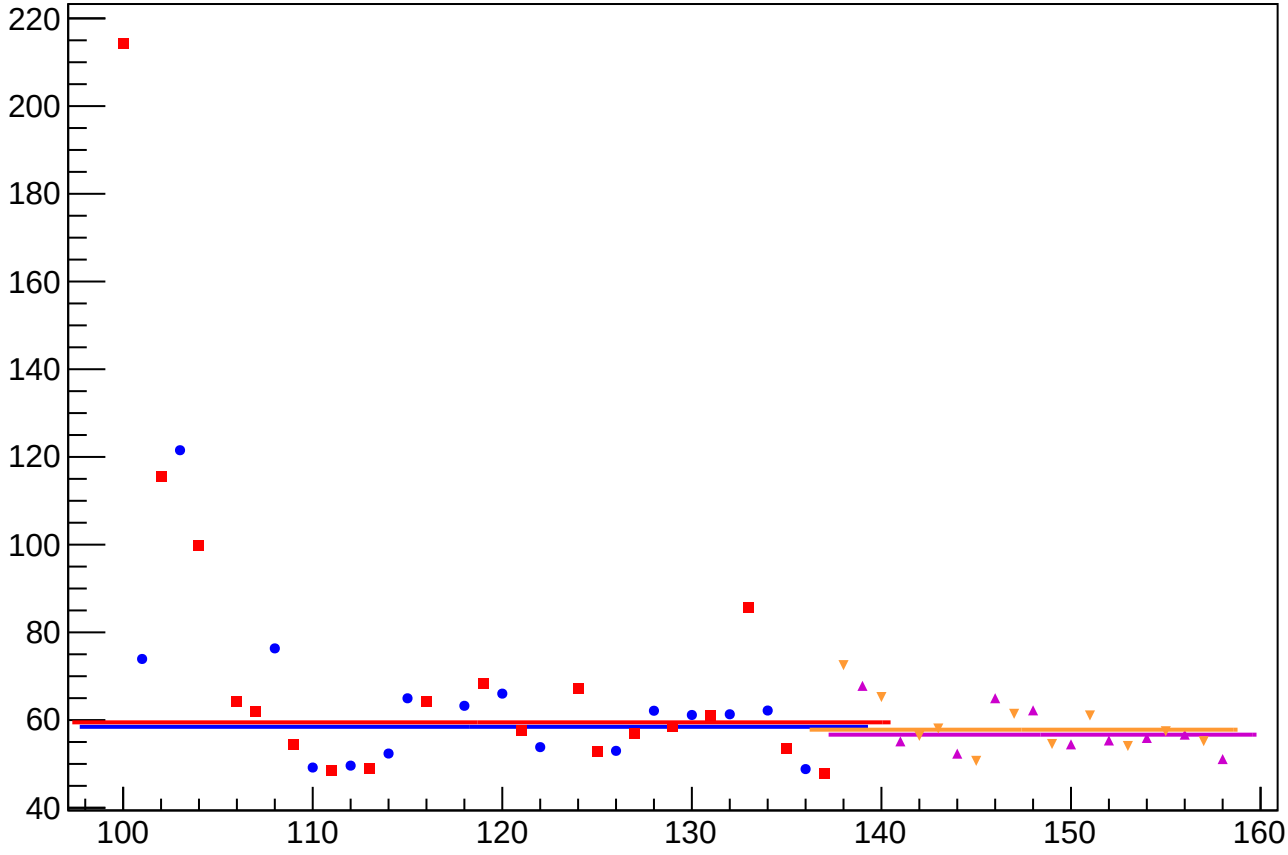
Left In: -39.306+/-19.403 χ^2/NDF:17.9/9

+ sign 37.646+/-14.898 χ^2/NDF: 27.7/26

All: 2.663+/-10.488 χ^2/NDF: 81.3/55

- sign -31.711+/-14.768 χ^2/NDF: 42.7/28

dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 57.809+/-0.014 χ^2/NDF:142080.2/10

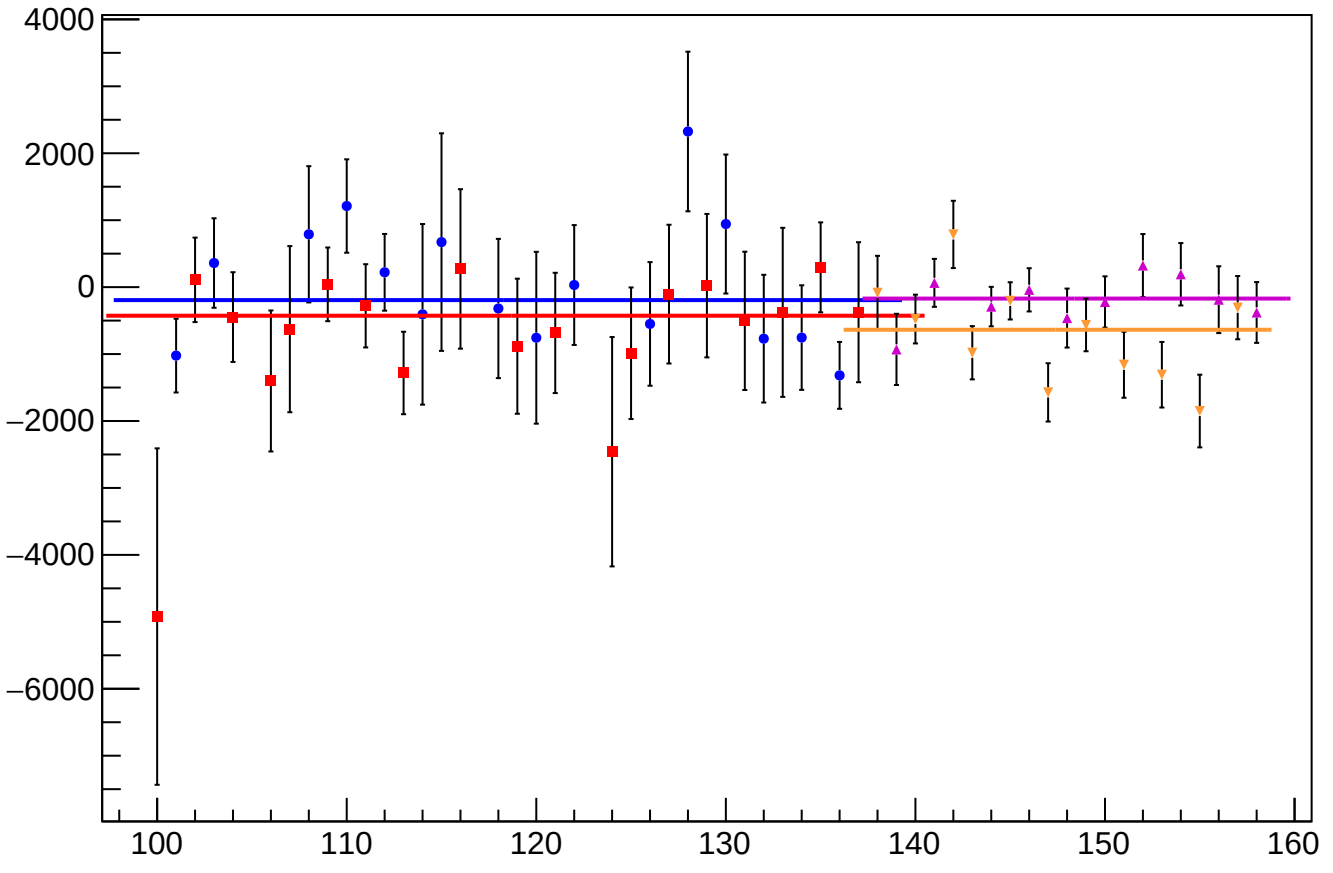
Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

Left In: 56.672+/-0.014 χ^2/NDF:124859.7/9

\+ sign 58.097+/-0.011 χ^2/NDF: 726021.1/26

All: 57.975+/-0.007 χ^2/NDF: 1653697.1/55

\- sign 57.855+/-0.010 χ^2/NDF: 927409.7/28



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -636.702+/-127.068 χ^2/NDF:25.5/10

Right Out: -426.977+/-197.005 χ^2/NDF: 11.3/18

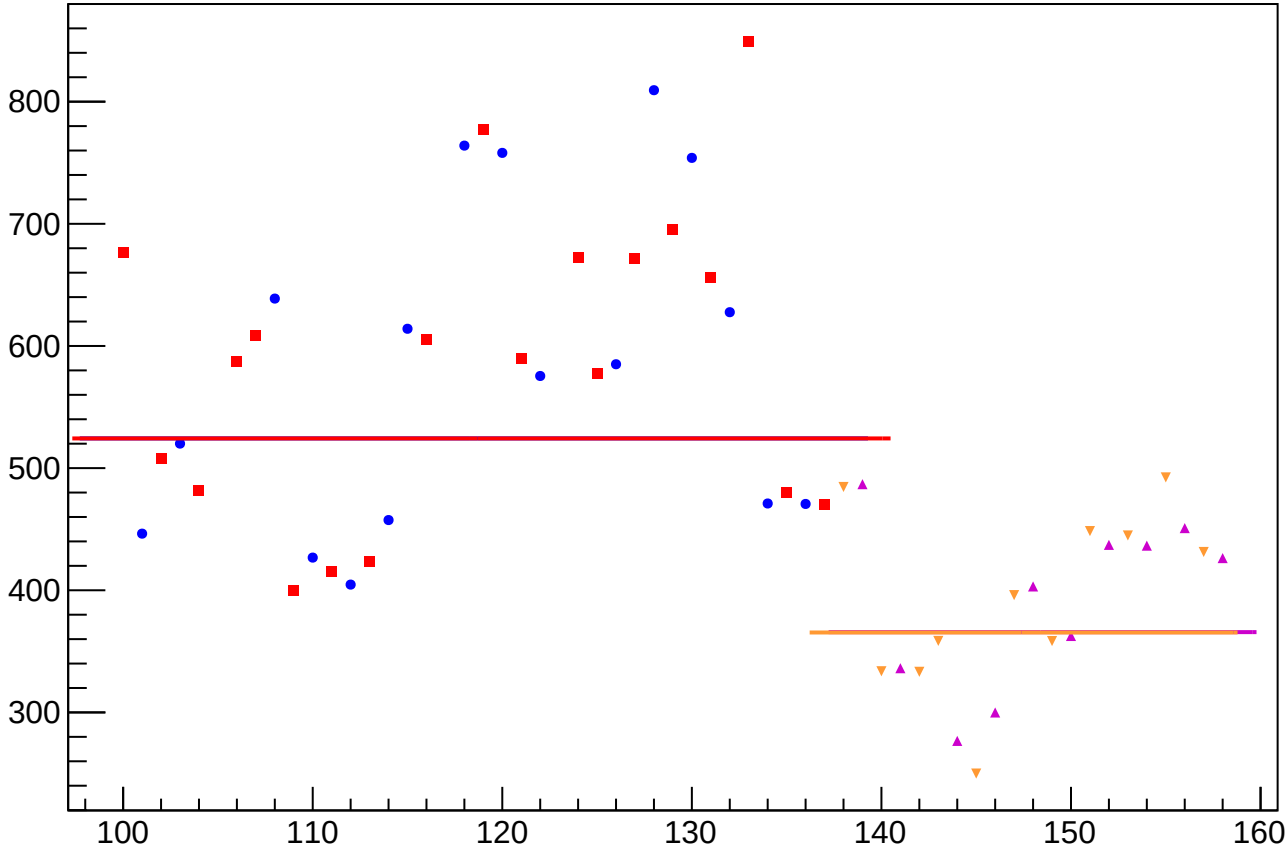
Left In: -170.982+/-126.639 χ^2/NDF:5.2/9

+ sign -509.909+/-107.345 χ^2/NDF: 49.8/26

All: -376.863+/-75.614 χ^2/NDF: 70.5/55

- sign -245.834+/-106.528 χ^2/NDF: 17.7/28

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 365.441+/-0.090 χ^2/NDF:730046.0/10

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

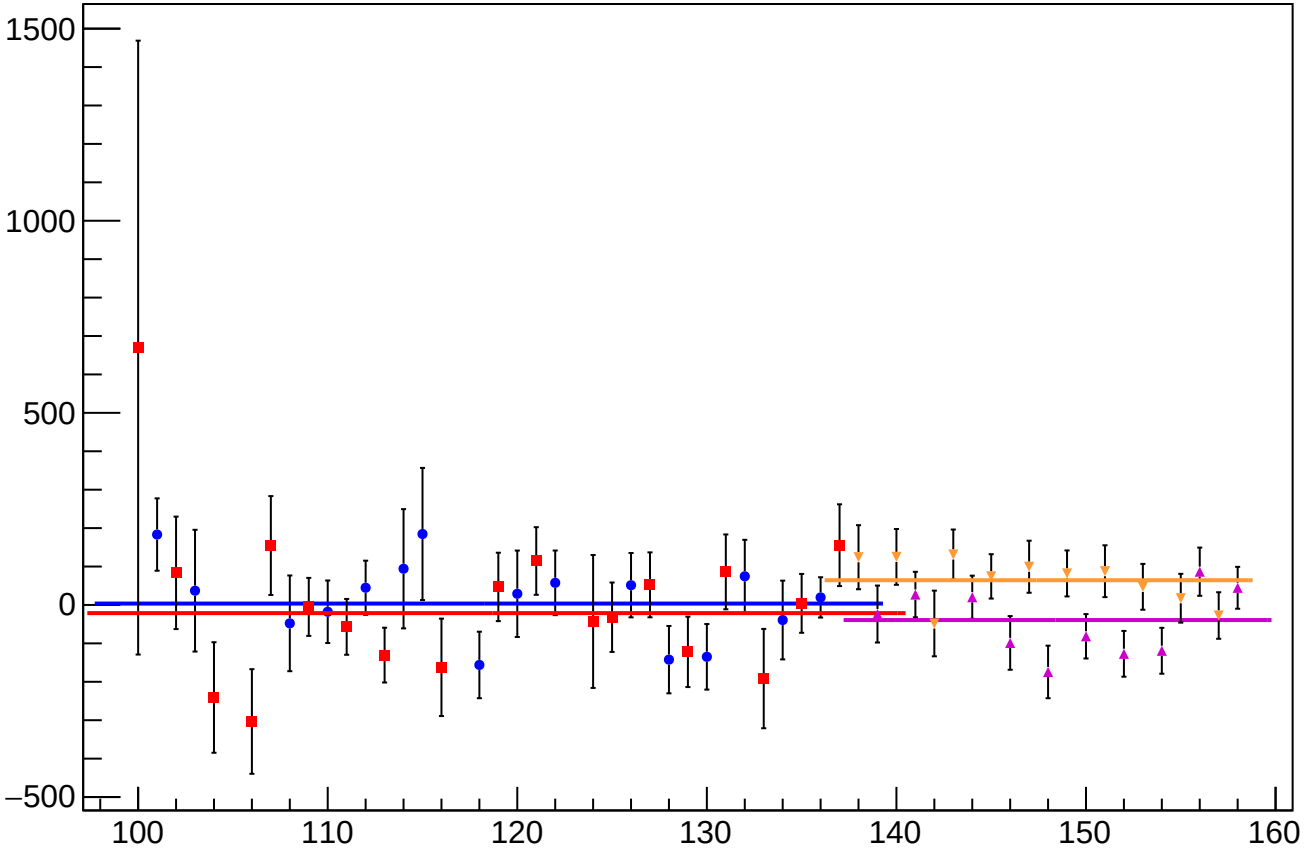
Left In: 365.740+/-0.090 χ^2/NDF:583172.7/9

+ sign 410.936+/-0.076 χ^2/NDF: 2283922.5/26

All: 411.525+/-0.053 χ^2/NDF: 4470103.4/55

- sign 412.104+/-0.075 χ^2/NDF: 2186061.6/28

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 64.316+/-19.895 χ^2/NDF:7.4/10

Right Out: -21.251+/-22.769 χ^2/NDF: 24.4/18

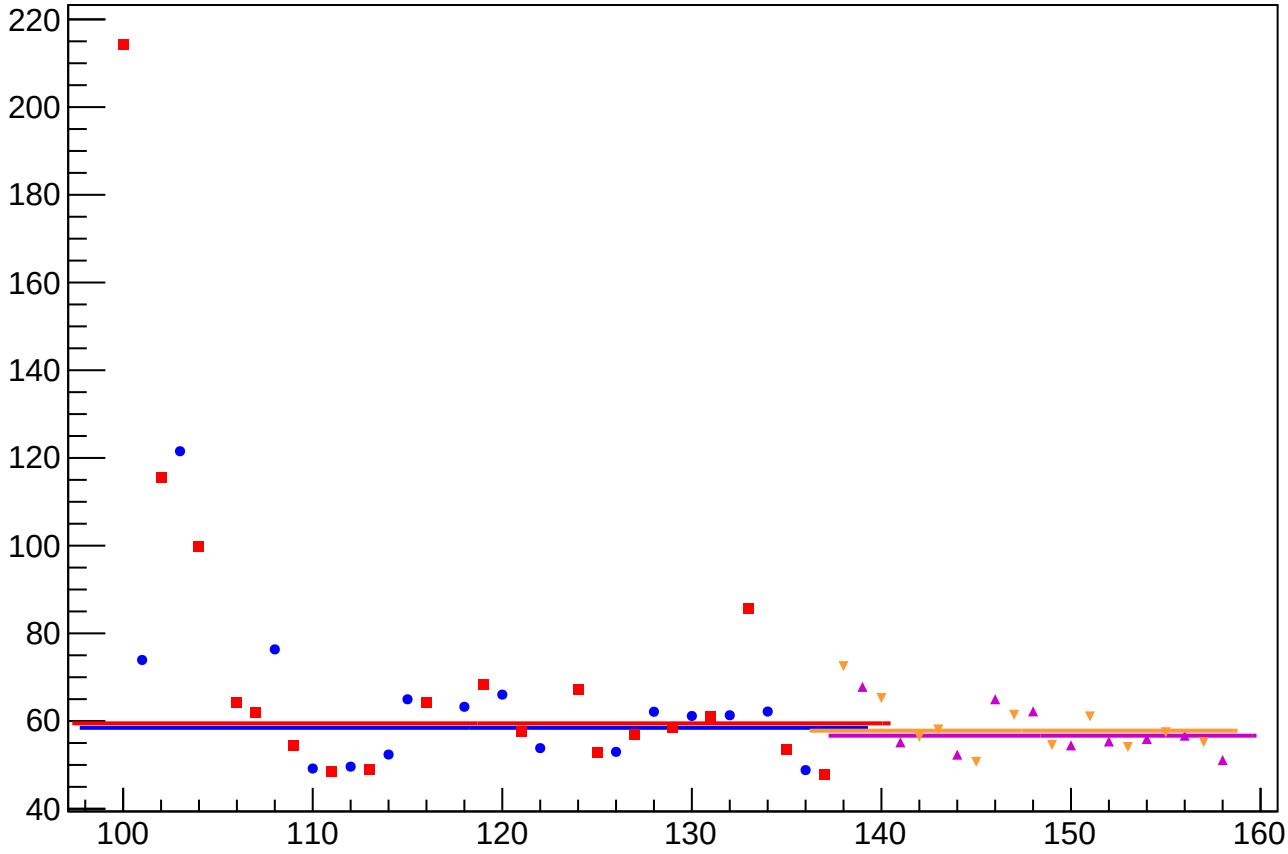
Left In: -39.306+/-19.404 χ^2/NDF:17.9/9

+ sign 37.646+/-14.899 χ^2/NDF: 27.7/26

All: 2.663+/-10.489 χ^2/NDF: 81.3/55

- sign -31.710+/-14.768 χ^2/NDF: 42.7/28

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 57.809+/-0.014 χ^2/NDF:142080.3/10

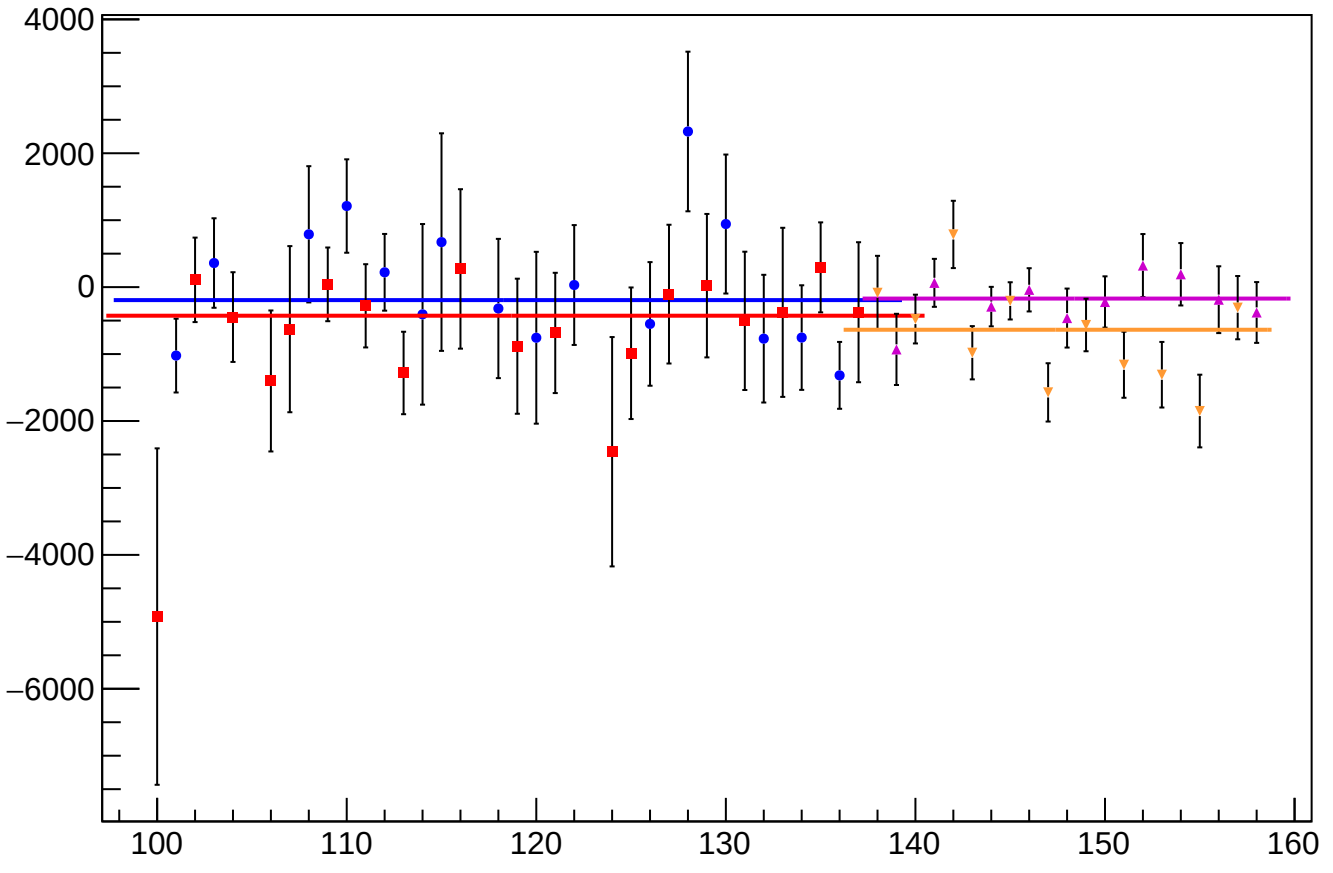
Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 56.672+/-0.014 χ^2/NDF:124860.1/9

\+ sign 58.097+/-0.011 χ^2/NDF: 726017.1/26

All: 57.975+/-0.007 χ^2/NDF: 1653692.7/55

\- sign 57.855+/-0.010 χ^2/NDF: 927409.3/28



Right In: -193.899+/-200.603 χ^2/NDF: 20.8/15

Left Out: -636.702+/-127.068 χ^2/NDF:25.5/10

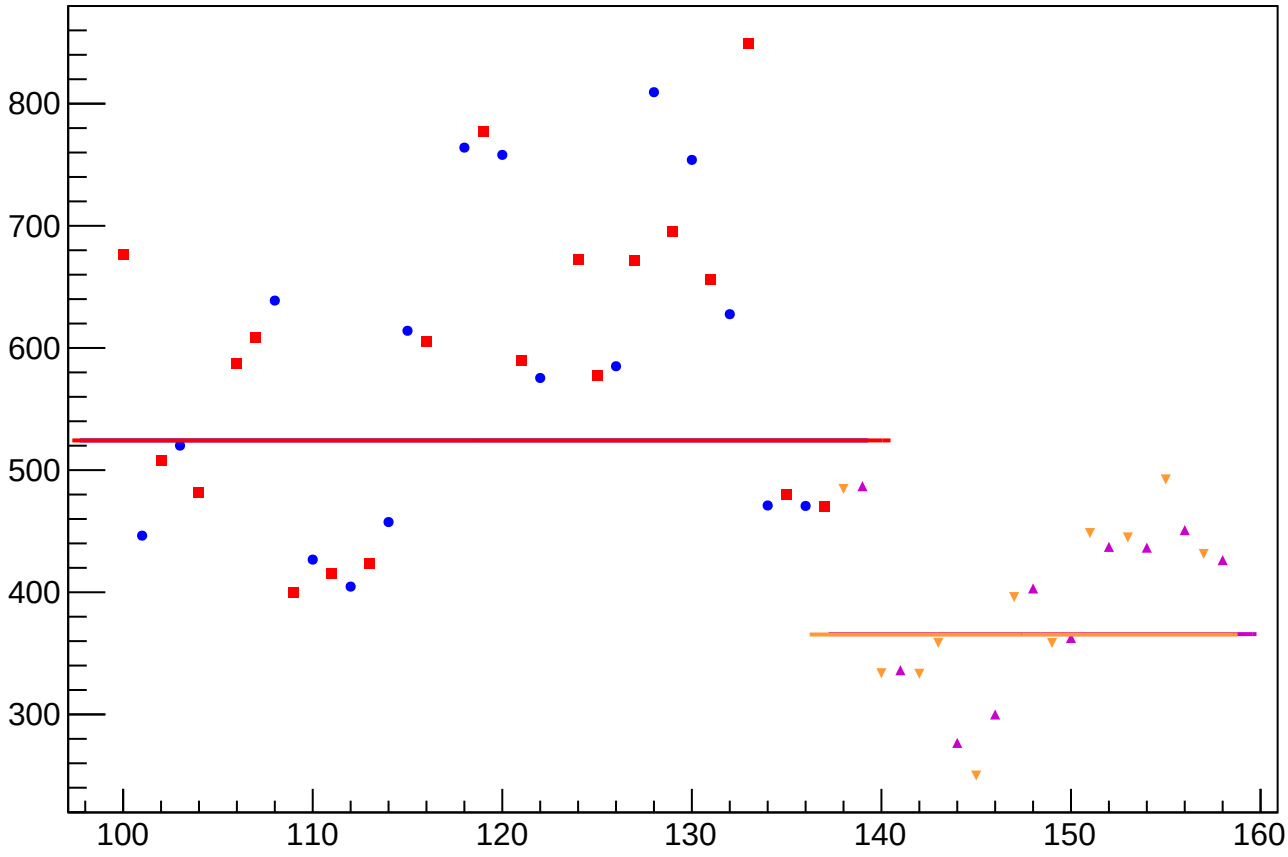
Right Out: -426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: -170.981+/-126.639 χ^2/NDF:5.2/9

+ sign -509.909+/-107.345 χ^2/NDF: 49.8/26

All: -376.863+/-75.614 χ^2/NDF: 70.5/55

- sign -245.833+/-106.528 χ^2/NDF: 17.7/28



Right In: 524.325+/-0.142 χ^2/NDF: 658493.8/15

Left Out: 365.441+/-0.090 χ^2/NDF:730043.6/10

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

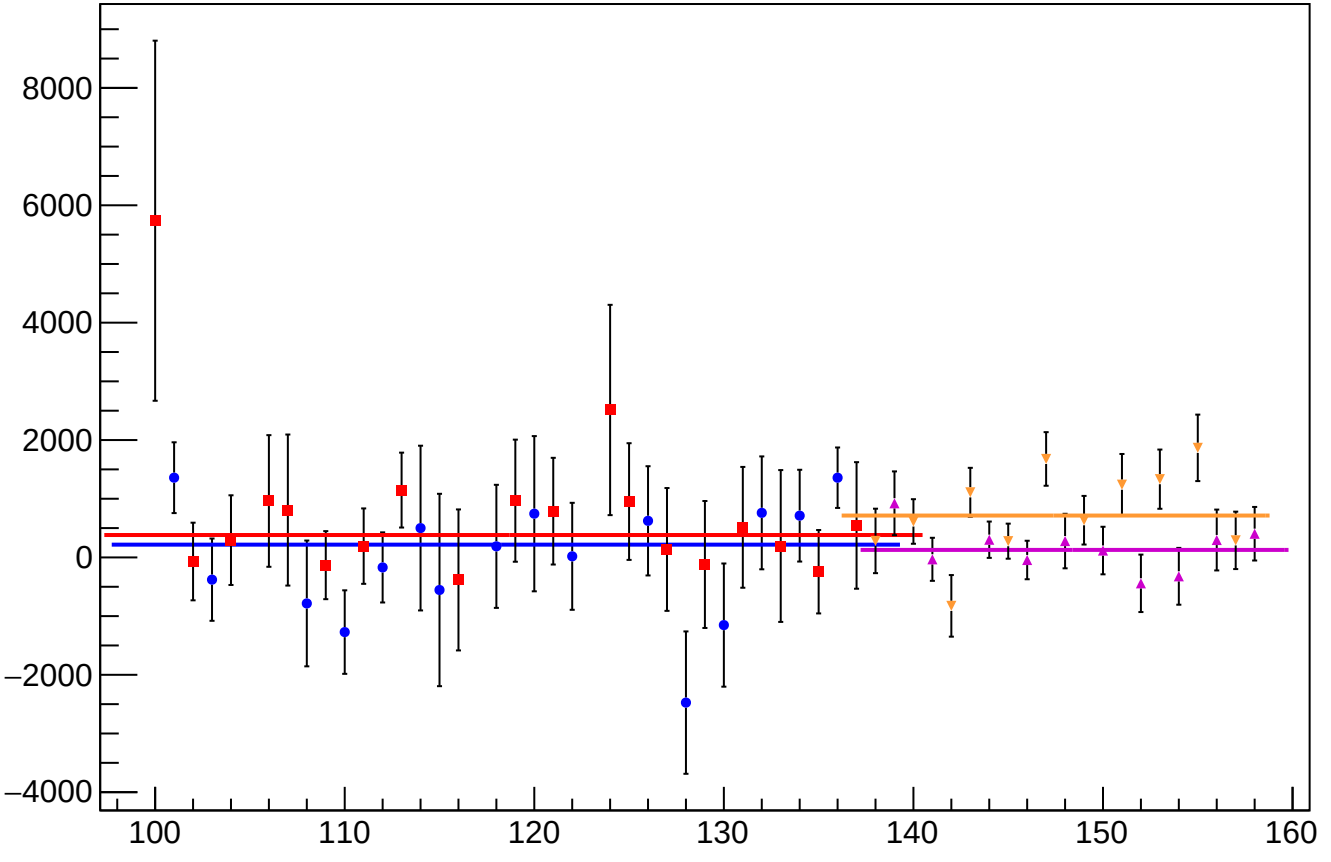
Left In: 365.740+/-0.090 χ^2/NDF:583169.9/9

+ sign 410.936+/-0.076 χ^2/NDF: 2283918.4/26

All: 411.524+/-0.053 χ^2/NDF: 4470091.5/55

- sign 412.104+/-0.075 χ^2/NDF: 2186053.8/28

asym_sam_1357_avg_mean vs Slug



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 713.643+/-133.249 χ^2/NDF:24.2/10

Right Out: 381.836+/-205.585 χ^2/NDF: 10.0/18

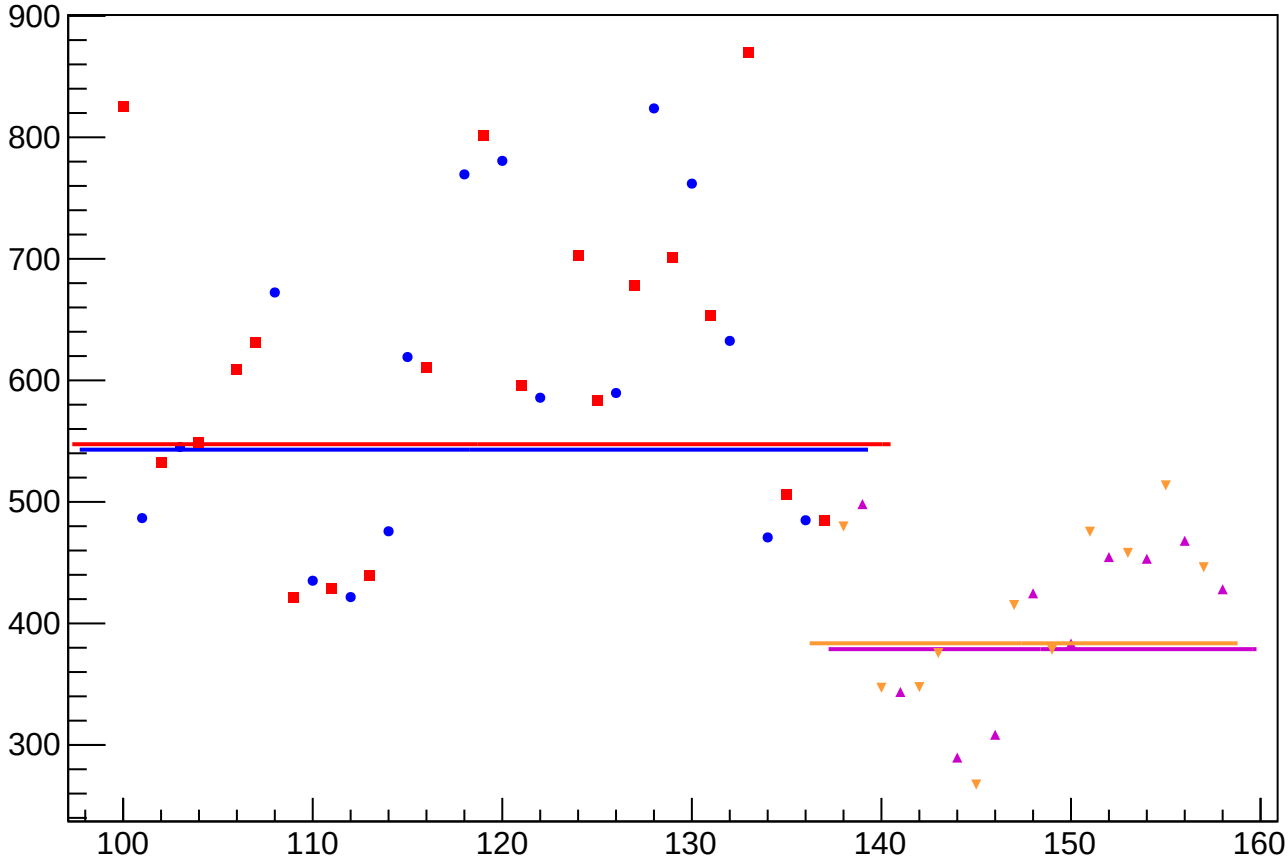
Left In: 128.068+/-131.028 χ^2/NDF:5.7/9

+ sign 568.849+/-112.121 χ^2/NDF: 51.2/26

All: 382.426+/-78.700 χ^2/NDF: 73.4/55

- sign 201.372+/-110.494 χ^2/NDF: 16.8/28

asym_sam_1357_avg_rms vs Slug



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 383.658+/-0.094 χ^2/NDF:645525.7/10

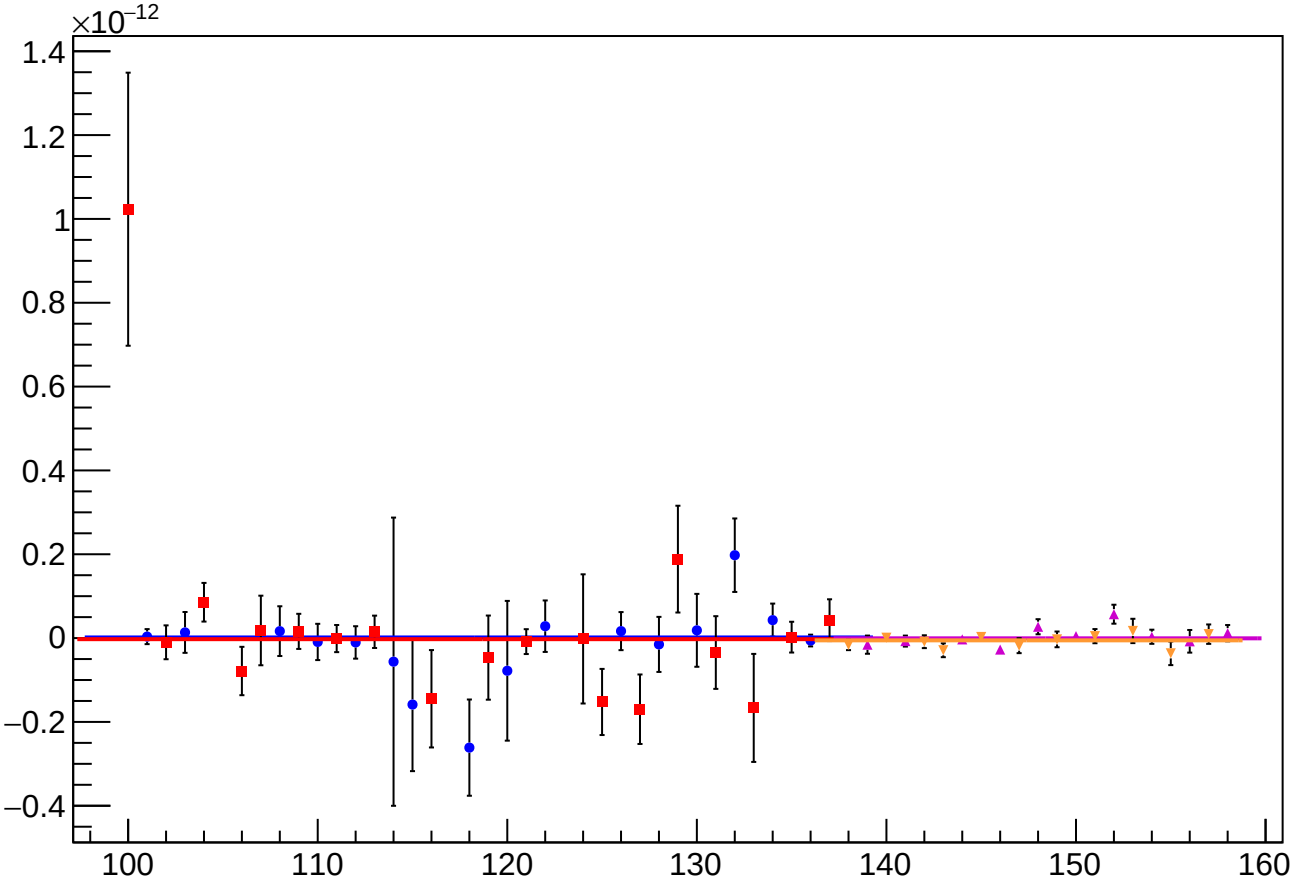
Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 378.839+/-0.093 χ^2/NDF:570903.3/9

+ sign 430.183+/-0.079 χ^2/NDF: 2085832.6/26

All: 428.847+/-0.056 χ^2/NDF: 4244432.6/55

- sign 427.549+/-0.078 χ^2/NDF: 2158040.0/28



Right In: 0.000+/-0.000 χ^2/NDF: 13.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.0/10

Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/18

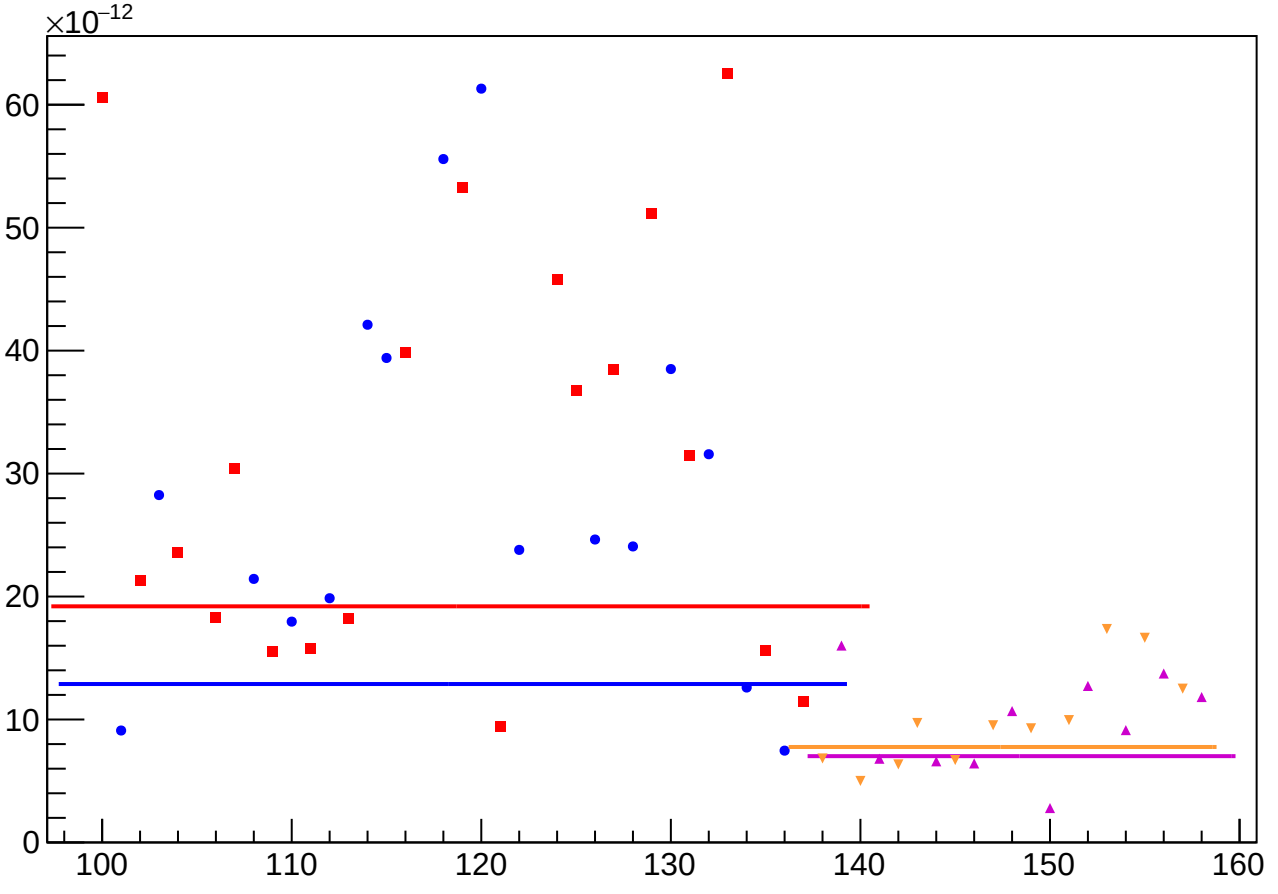
Left In: -0.000+/-0.000 χ^2/NDF:16.3/9

+ sign -0.000+/-0.000 χ^2/NDF: 21.1/26

All: -0.000+/-0.000 χ^2/NDF: 67.8/55

- sign -0.000+/-0.000 χ^2/NDF: 46.4/28

asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1756750.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:833267.8/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1367620.8/18

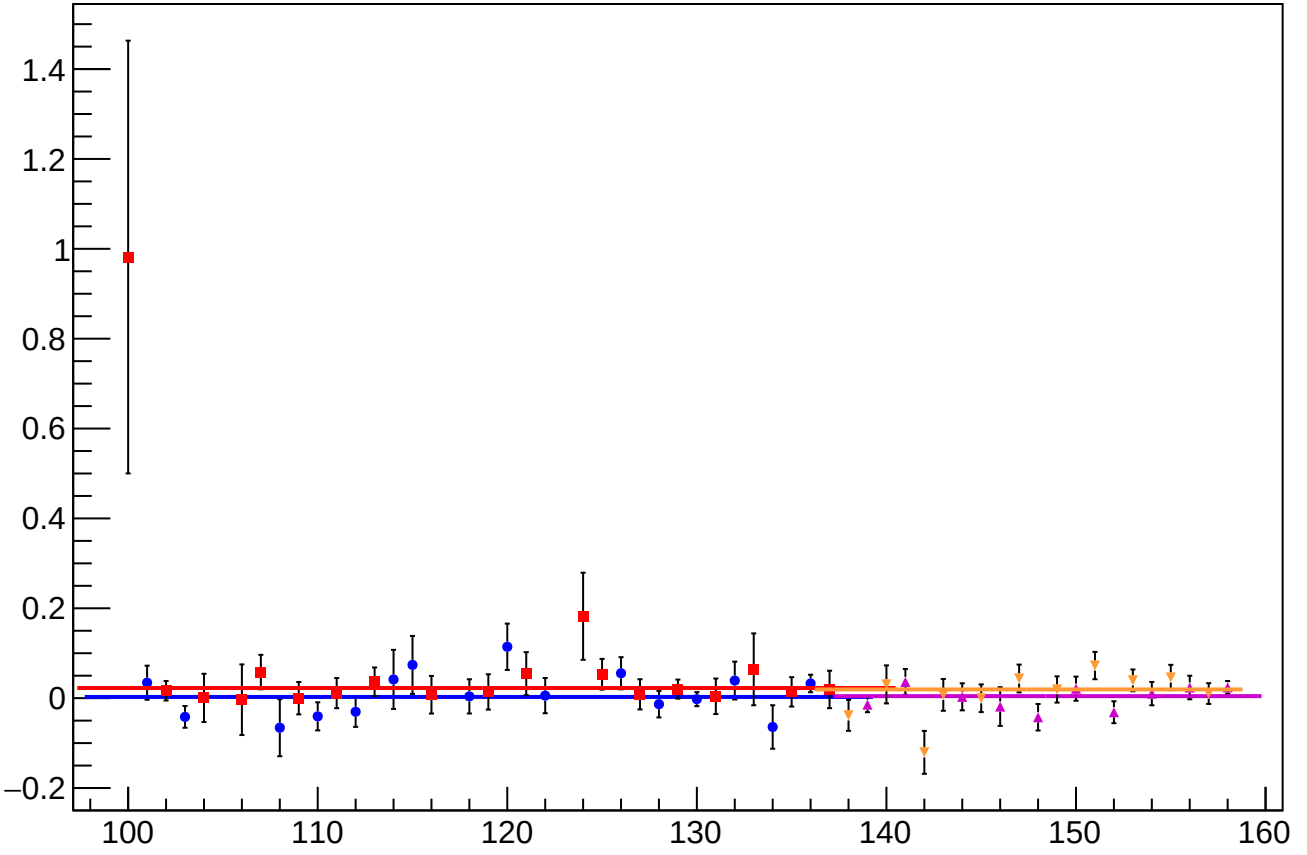
Left In: 0.000+/-0.000 χ^2/NDF:1356304.5/9

+ sign 0.000+/-0.000 χ^2/NDF: 3103158.8/26

All: 0.000+/-0.000 χ^2/NDF: 7621288.5/55

- sign 0.000+/-0.000 χ^2/NDF: 4510485.3/28

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.019+/-0.009 χ^2/NDF:17.4/10

Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

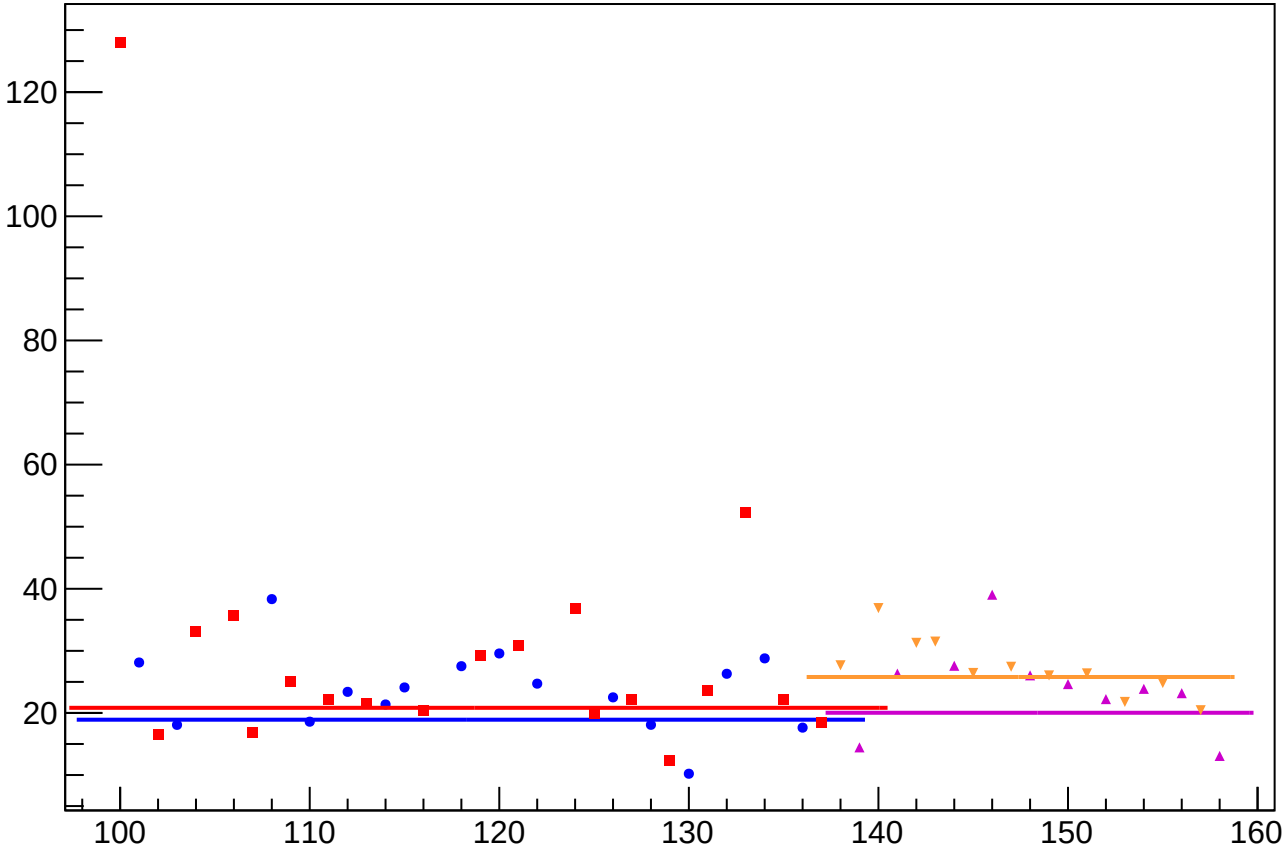
Left In: 0.004+/-0.007 χ^2/NDF:10.3/9

+ sign 0.010+/-0.006 χ^2/NDF: 41.3/26

All: 0.011+/-0.004 χ^2/NDF: 65.0/55

- sign 0.012+/-0.006 χ^2/NDF: 23.6/28

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 25.790+/-0.007 χ^2/NDF:394060.0/10

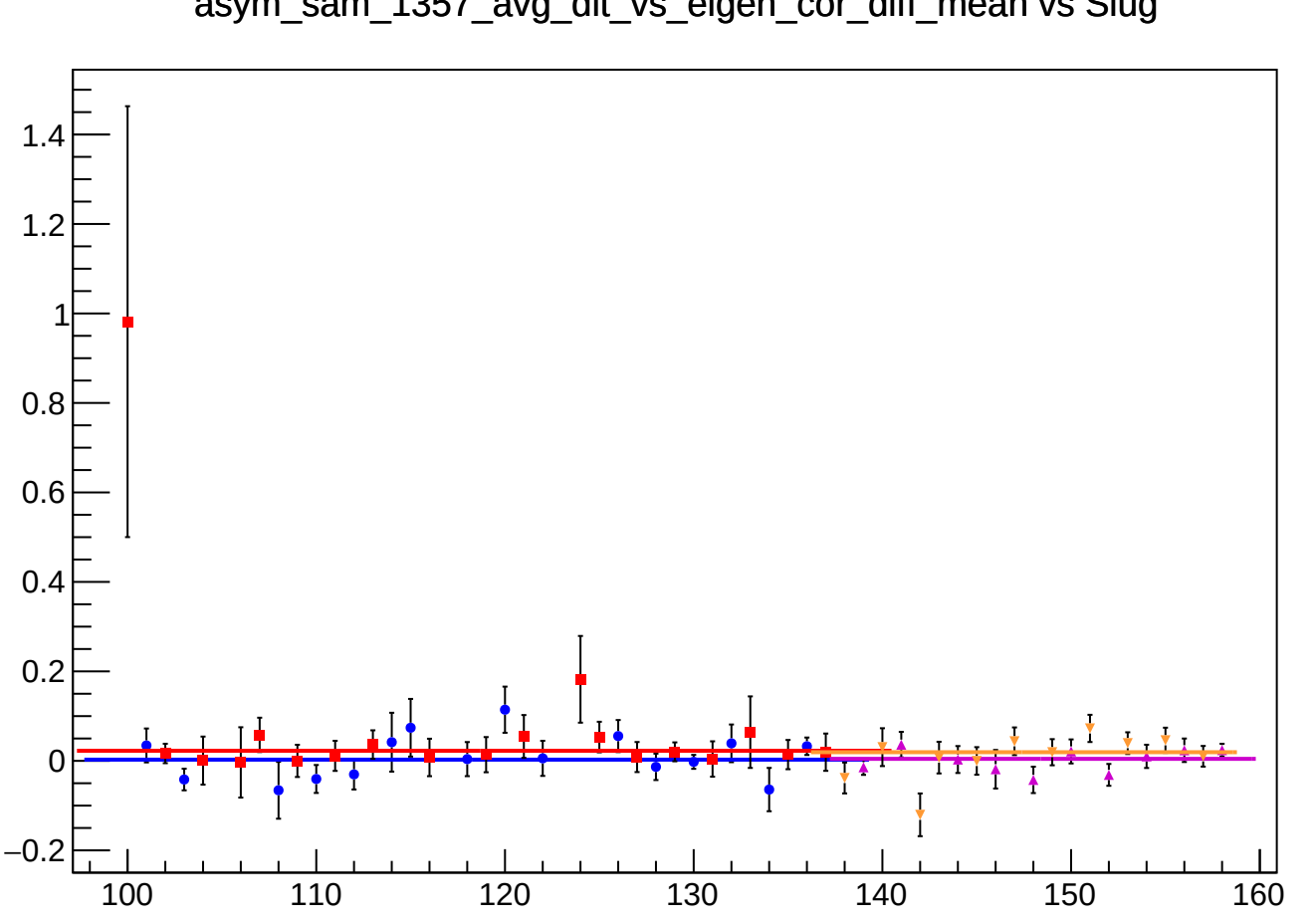
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 20.028+/-0.005 χ^2/NDF:1537237.2/9

+ sign 21.790+/-0.004 χ^2/NDF: 2434707.5/26

All: 21.033+/-0.003 χ^2/NDF: 5334264.2/55

- sign 20.373+/-0.004 χ^2/NDF: 2838913.4/28



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.019+/-0.009 χ^2/NDF:17.4/10

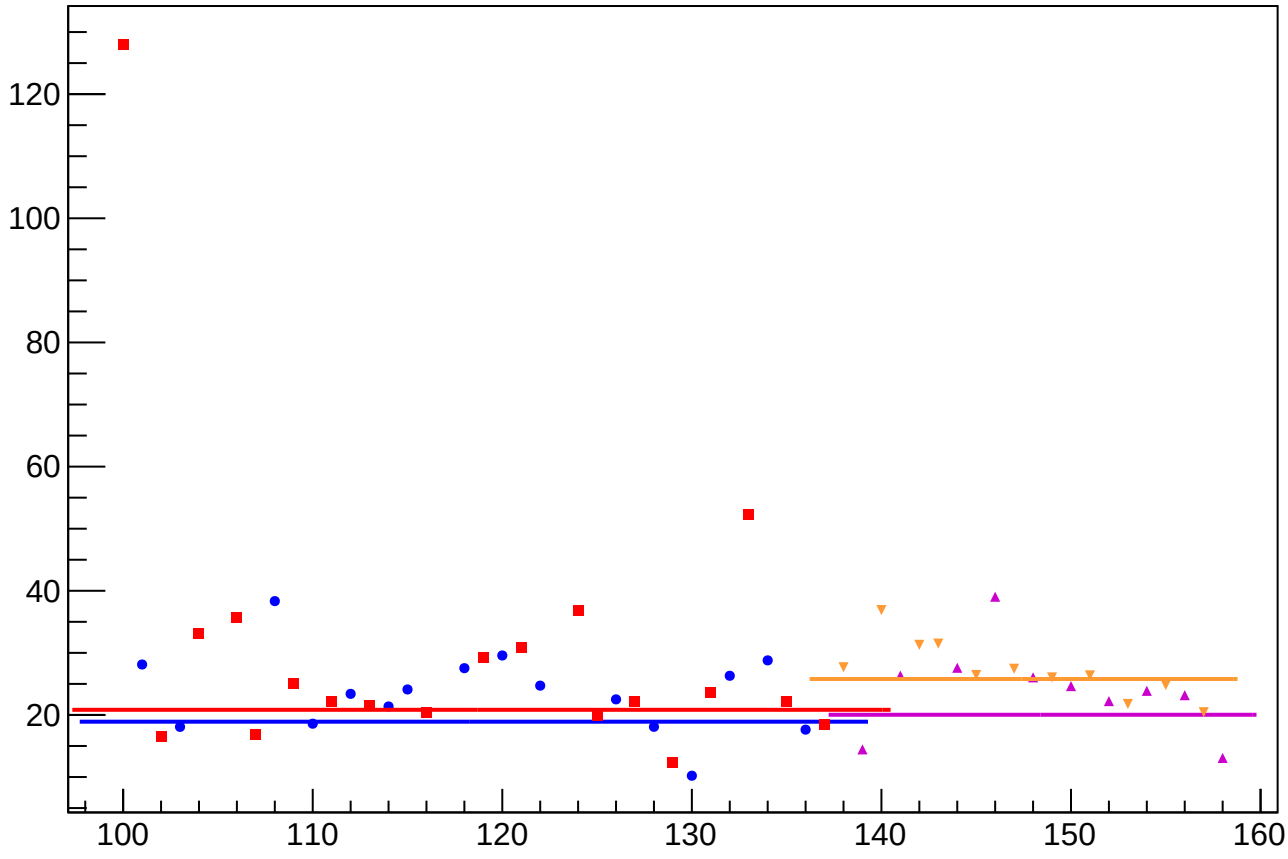
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.004+/-0.007 χ^2/NDF:10.3/9

+ sign 0.010+/-0.006 χ^2/NDF: 41.3/26

All: 0.011+/-0.004 χ^2/NDF: 65.0/55

- sign 0.012+/-0.006 χ^2/NDF: 23.6/28



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 25.790+/-0.007 χ^2/NDF:394060.0/10

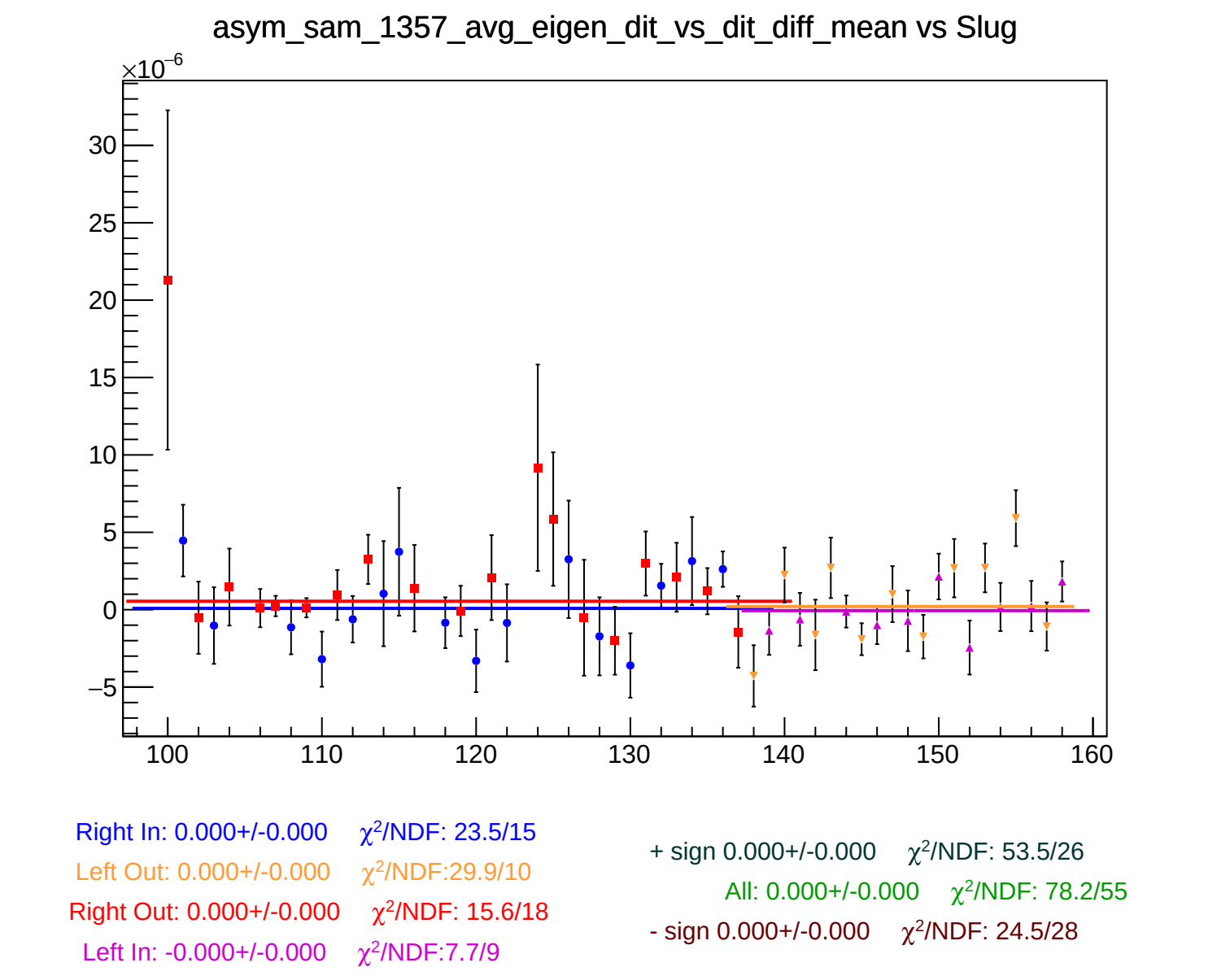
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

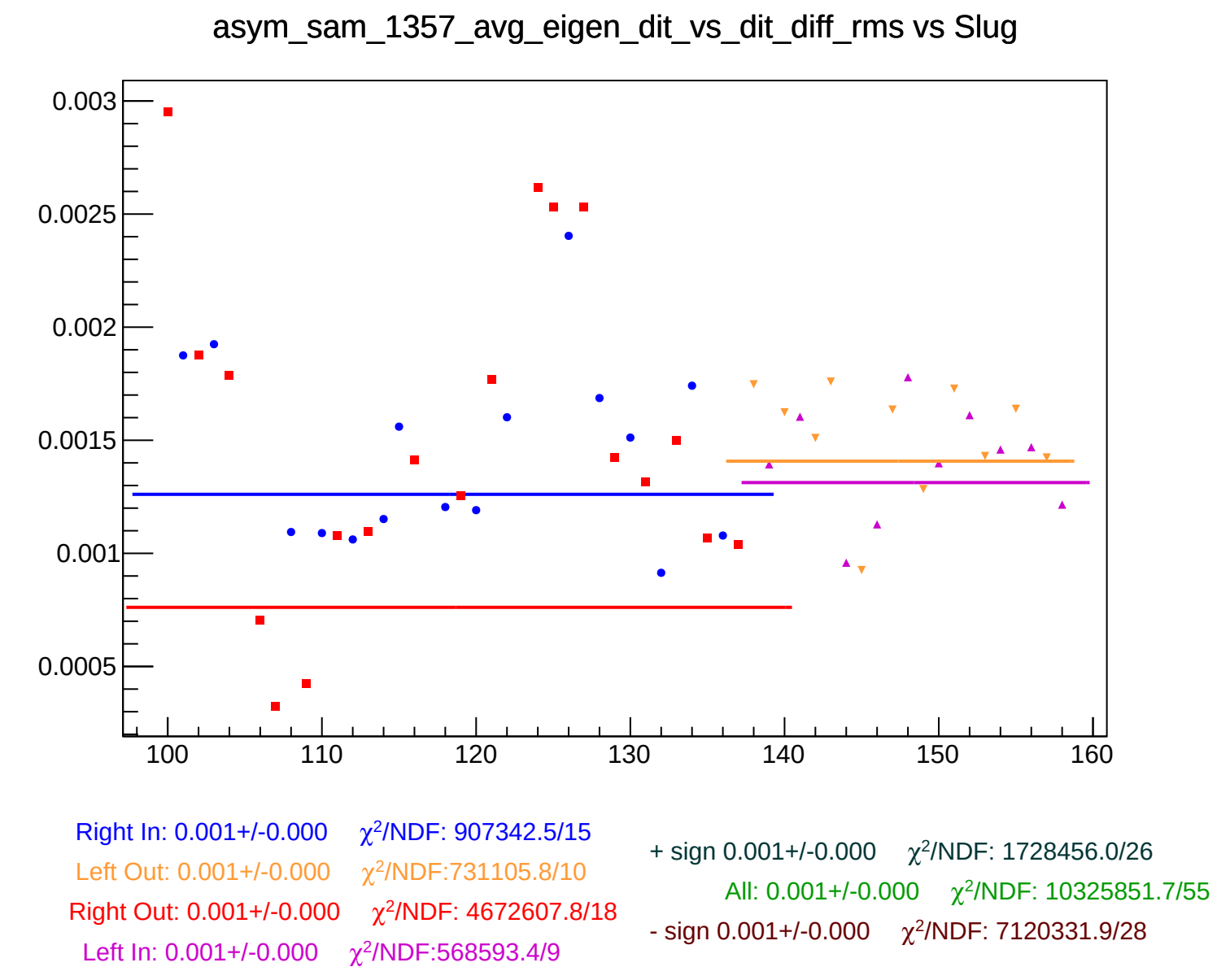
Left In: 20.028+/-0.005 χ^2/NDF:1537237.2/9

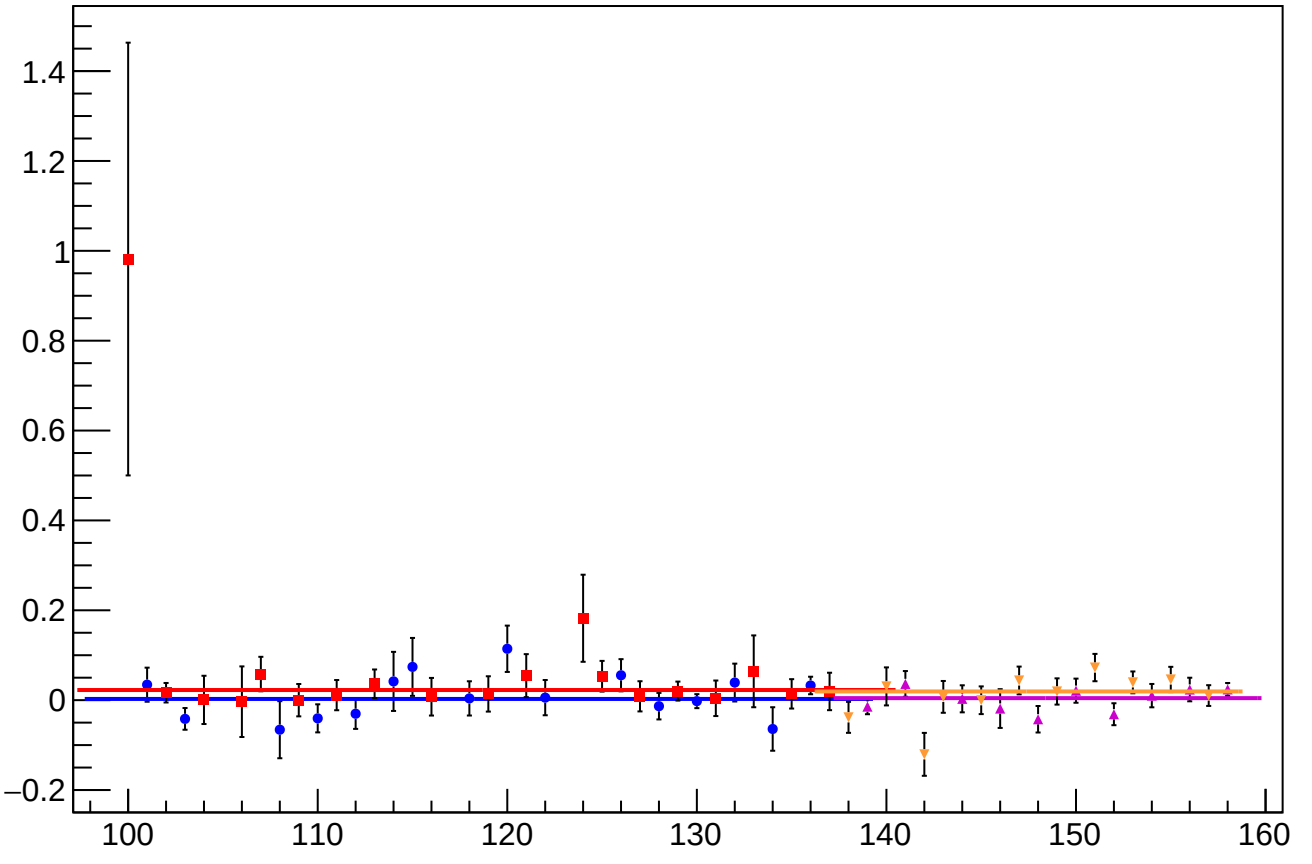
+ sign 21.790+/-0.004 χ^2/NDF: 2434707.5/26

All: 21.033+/-0.003 χ^2/NDF: 5334264.2/55

- sign 20.373+/-0.004 χ^2/NDF: 2838913.4/28


asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10^−6
30
25
20
15
10
5
0
−5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 23.5/15
Left Out: 0.000+/-0.000 χ²/NDF:29.9/10
Right Out: 0.000+/-0.000 χ²/NDF: 15.6/18
Left In: -0.000+/-0.000 χ²/NDF:7.7/9
+ sign 0.000+/-0.000 χ²/NDF: 53.5/26
All: 0.000+/-0.000 χ²/NDF: 78.2/55
- sign 0.000+/-0.000 χ²/NDF: 24.5/28


asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 907342.5/15
Left Out: 0.001+/-0.000 χ²/NDF:731105.8/10
Right Out: 0.001+/-0.000 χ²/NDF: 4672607.8/18
Left In: 0.001+/-0.000 χ²/NDF:568593.4/9
+ sign 0.001+/-0.000 χ²/NDF: 1728456.0/26
All: 0.001+/-0.000 χ²/NDF: 10325851.7/55
- sign 0.001+/-0.000 χ²/NDF: 7120331.9/28



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.019+/-0.009 χ^2/NDF:17.4/10

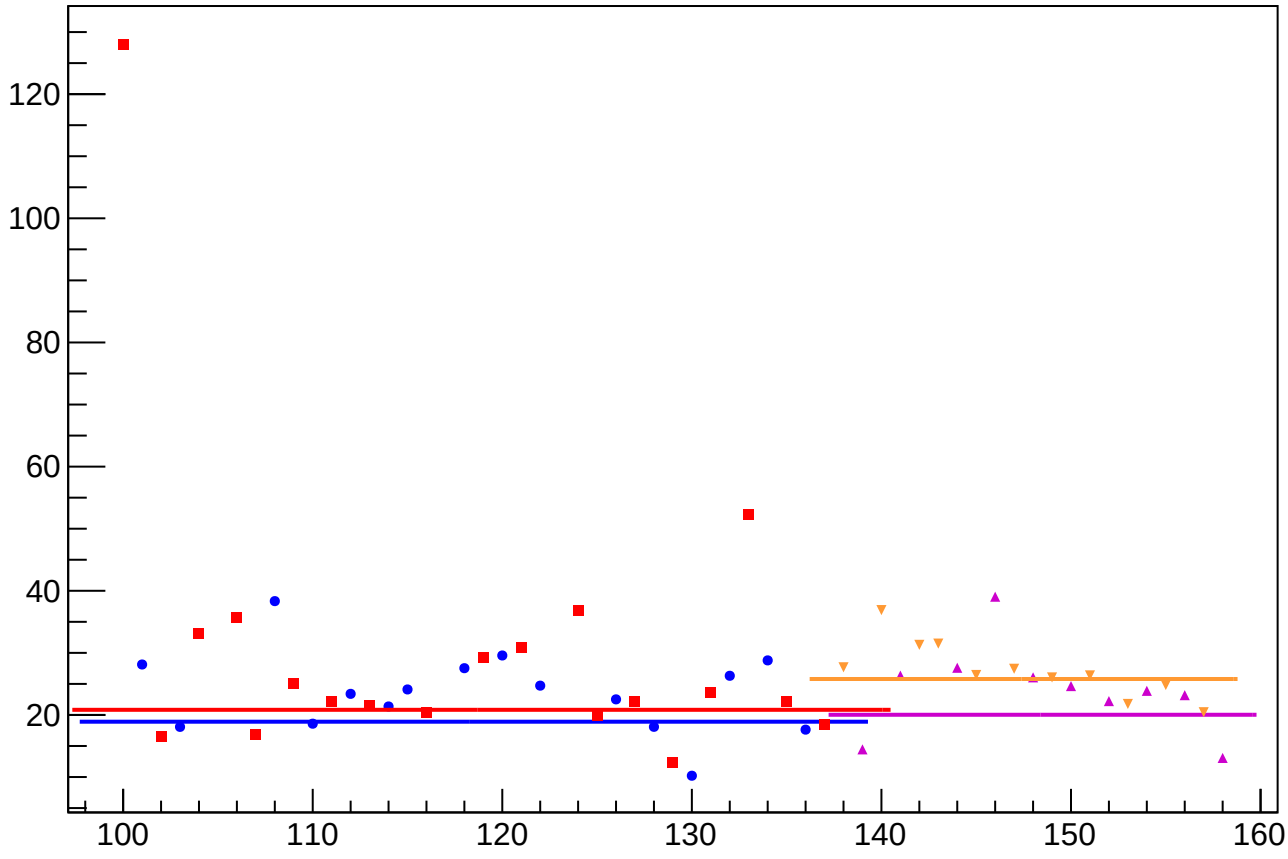
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.004+/-0.007 χ^2/NDF:10.3/9

+ sign 0.010+/-0.006 χ^2/NDF: 41.3/26

All: 0.011+/-0.004 χ^2/NDF: 65.0/55

- sign 0.012+/-0.006 χ^2/NDF: 23.6/28



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 25.791+/-0.007 χ^2/NDF:394047.3/10

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

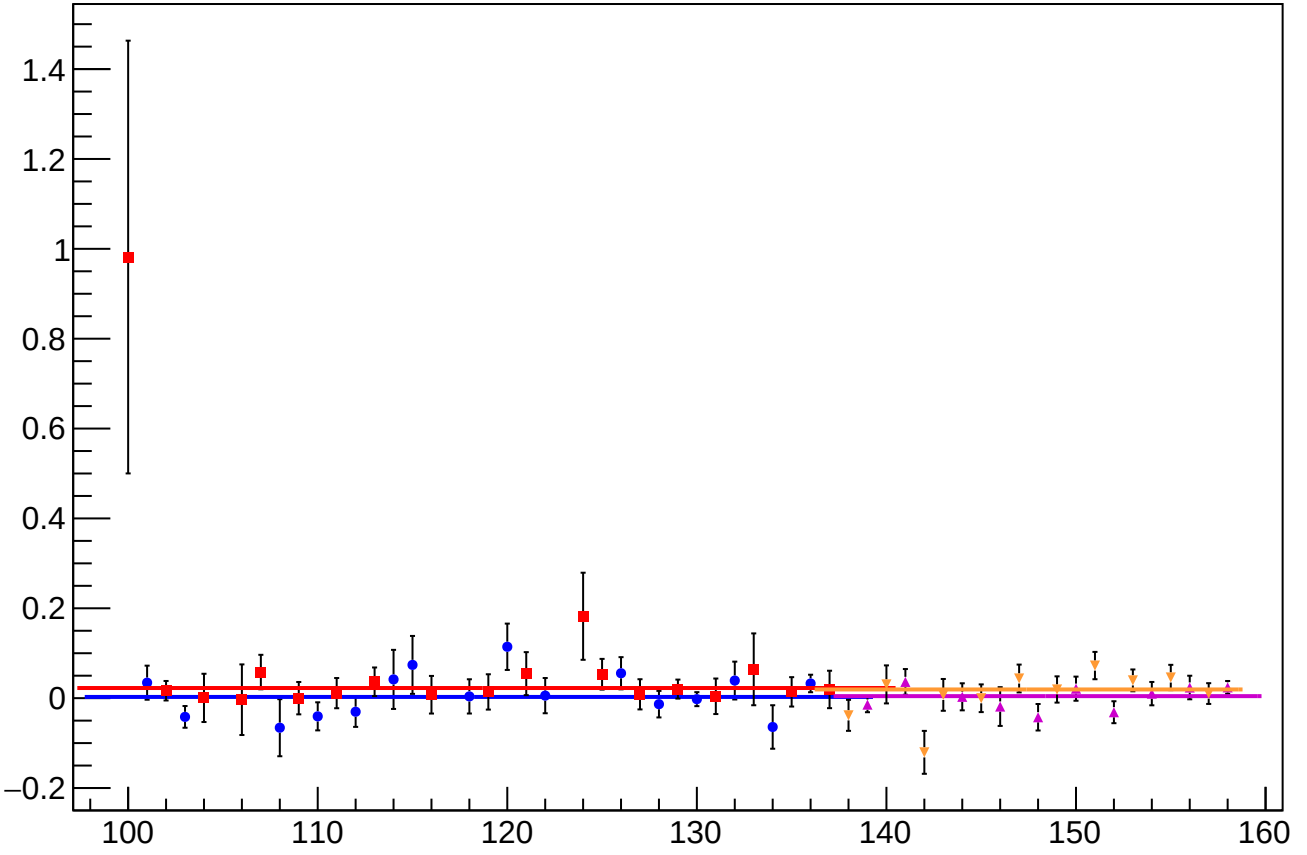
Left In: 20.029+/-0.005 χ^2/NDF:1537306.2/9

+ sign 21.791+/-0.004 χ^2/NDF: 2434593.8/26

All: 21.033+/-0.003 χ^2/NDF: 5334232.6/55

- sign 20.373+/-0.004 χ^2/NDF: 2838977.0/28

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.019+/-0.009 χ^2/NDF:17.4/10

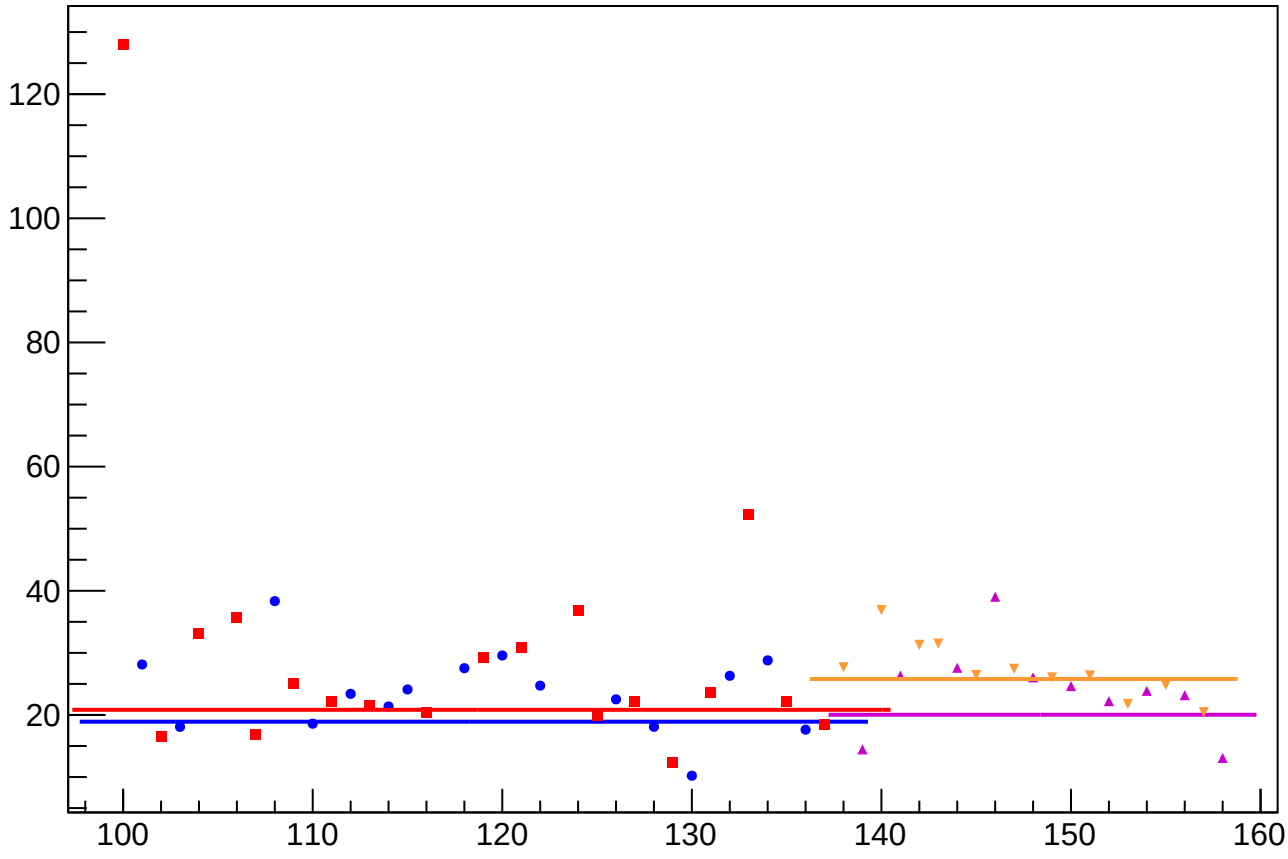
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.004+/-0.007 χ^2/NDF:10.3/9

+ sign 0.010+/-0.006 χ^2/NDF: 41.3/26

All: 0.011+/-0.004 χ^2/NDF: 65.0/55

- sign 0.012+/-0.006 χ^2/NDF: 23.6/28



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 25.791+/-0.007 χ^2/NDF:394047.3/10

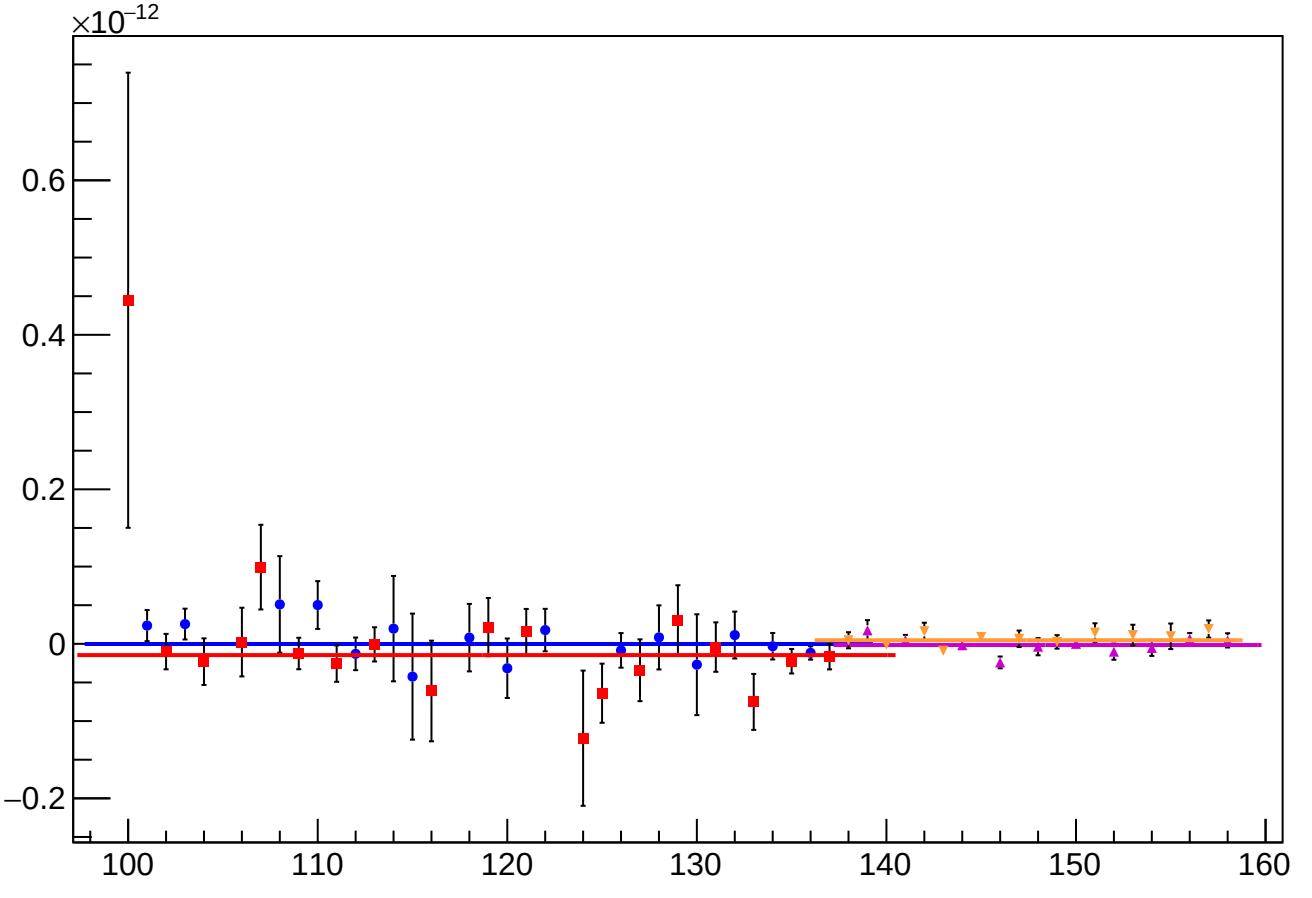
Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 20.029+/-0.005 χ^2/NDF:1537306.2/9

+ sign 21.791+/-0.004 χ^2/NDF: 2434593.8/26

All: 21.033+/-0.003 χ^2/NDF: 5334232.6/55

- sign 20.373+/-0.004 χ^2/NDF: 2838977.0/28



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.9/10

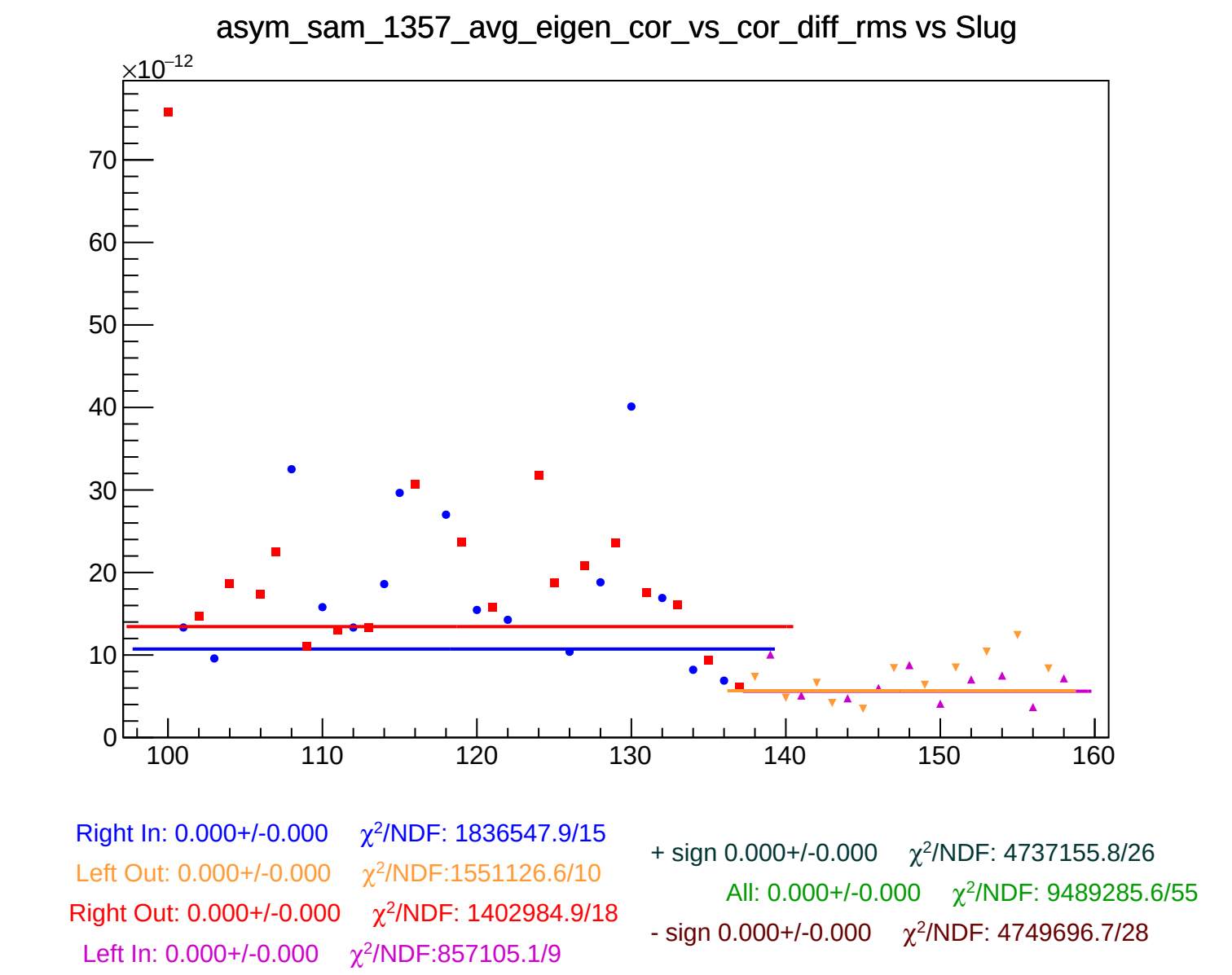
Right Out: -0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: -0.000+/-0.000 χ^2/NDF:14.3/9

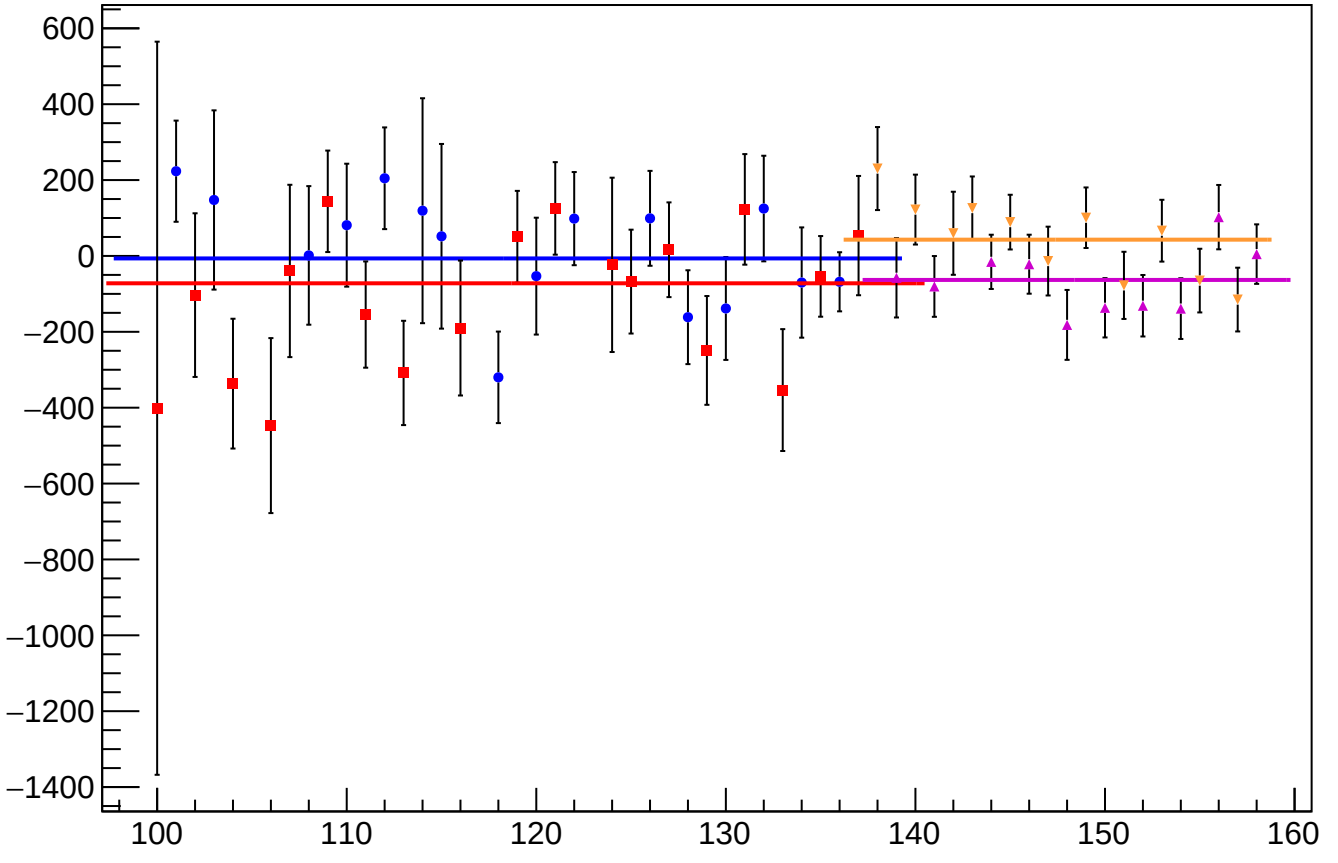
+ sign 0.000+/-0.000 χ^2/NDF: 21.1/26

All: 0.000+/-0.000 χ^2/NDF: 61.0/55

- sign -0.000+/-0.000 χ^2/NDF: 35.4/28


asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1836547.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1551126.6/10
Right Out: 0.000+/-0.000 χ²/NDF: 1402984.9/18
Left In: 0.000+/-0.000 χ²/NDF:857105.1/9
+ sign 0.000+/-0.000 χ²/NDF: 4737155.8/26
All: 0.000+/-0.000 χ²/NDF: 9489285.6/55
- sign 0.000+/-0.000 χ²/NDF: 4749696.7/28

reg_asym_sam_2468_avg_mean vs Slug



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 42.892+/-26.158 χ^2/NDF:13.1/10

Right Out: -72.124+/-34.883 χ^2/NDF: 22.8/18

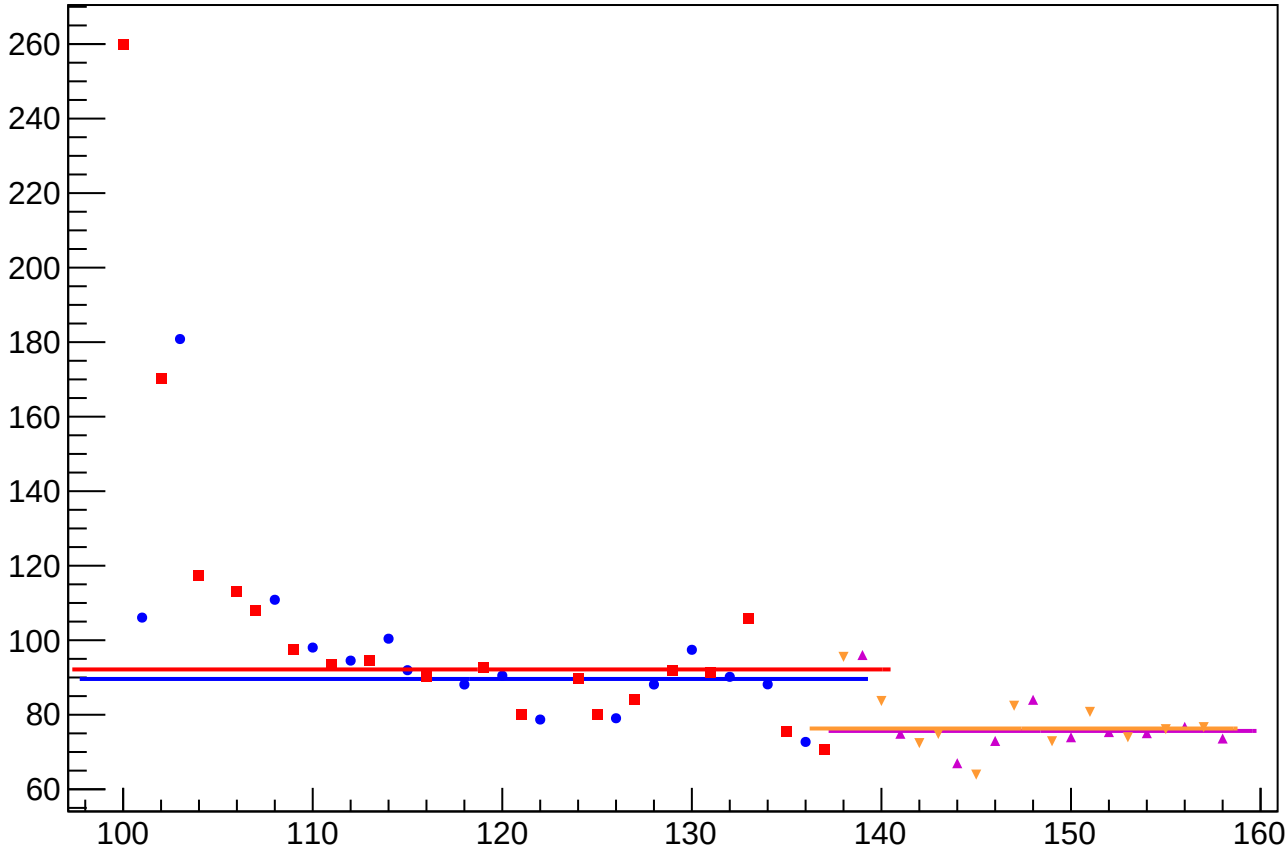
Left In: -63.259+/-25.824 χ^2/NDF:9.5/9

+ sign 24.699+/-20.797 χ^2/NDF: 33.4/26

All: -20.939+/-14.691 χ^2/NDF: 75.3/55

- sign -66.397+/-20.755 χ^2/NDF: 32.3/28

reg_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 76.307+/-0.018 χ^2/NDF:156225.0/10

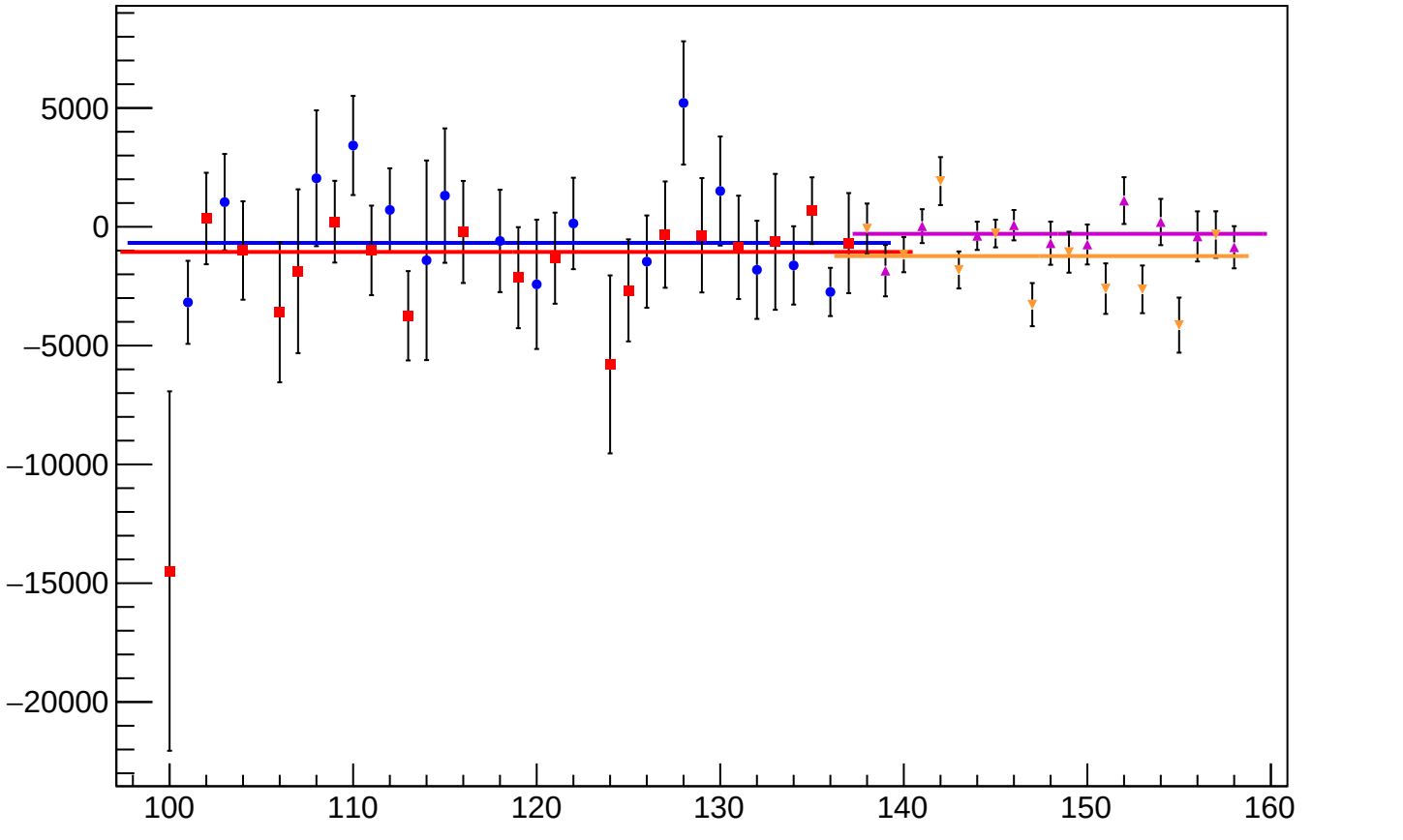
Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 75.657+/-0.018 χ^2/NDF:126986.5/9

+ sign 81.199+/-0.015 χ^2/NDF: 844731.9/26

All: 81.350+/-0.010 χ^2/NDF: 1803217.7/55

- sign 81.500+/-0.015 χ^2/NDF: 958276.6/28



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -1232.529+/-262.504 χ^2/NDF:30.0/10

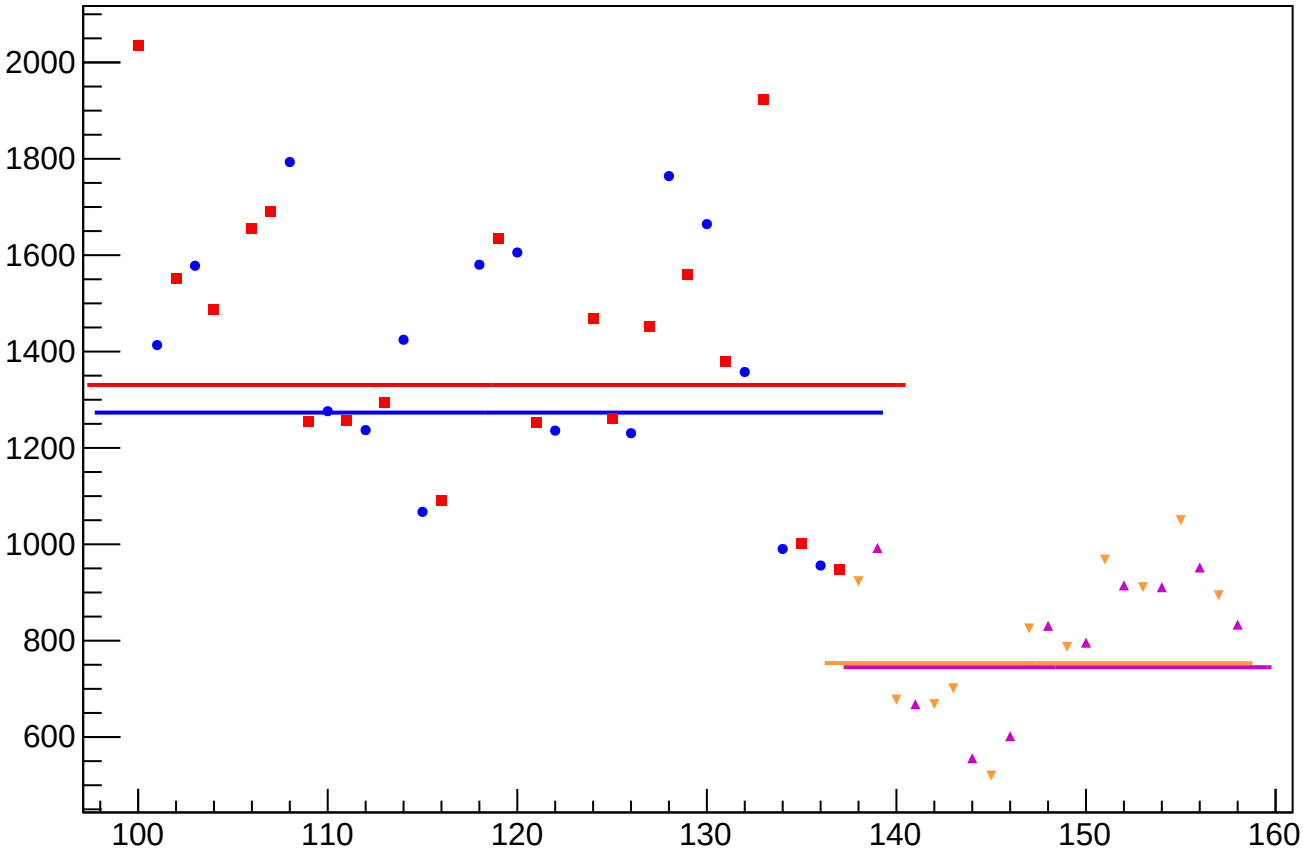
Right Out: -1058.761+/-496.350 χ^2/NDF: 11.5/18

Left In: -295.406+/-258.385 χ^2/NDF:5.8/9

+ sign -1107.340+/-231.017 χ^2/NDF: 51.3/26

All: -780.175+/-162.704 χ^2/NDF: 74.4/55

- sign -458.164+/-229.190 χ^2/NDF: 19.1/28



Right In: 1273.324+/-0.344 χ^2/NDF: 597520.6/15

Left Out: 753.498+/-0.186 χ^2/NDF:736256.7/10

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

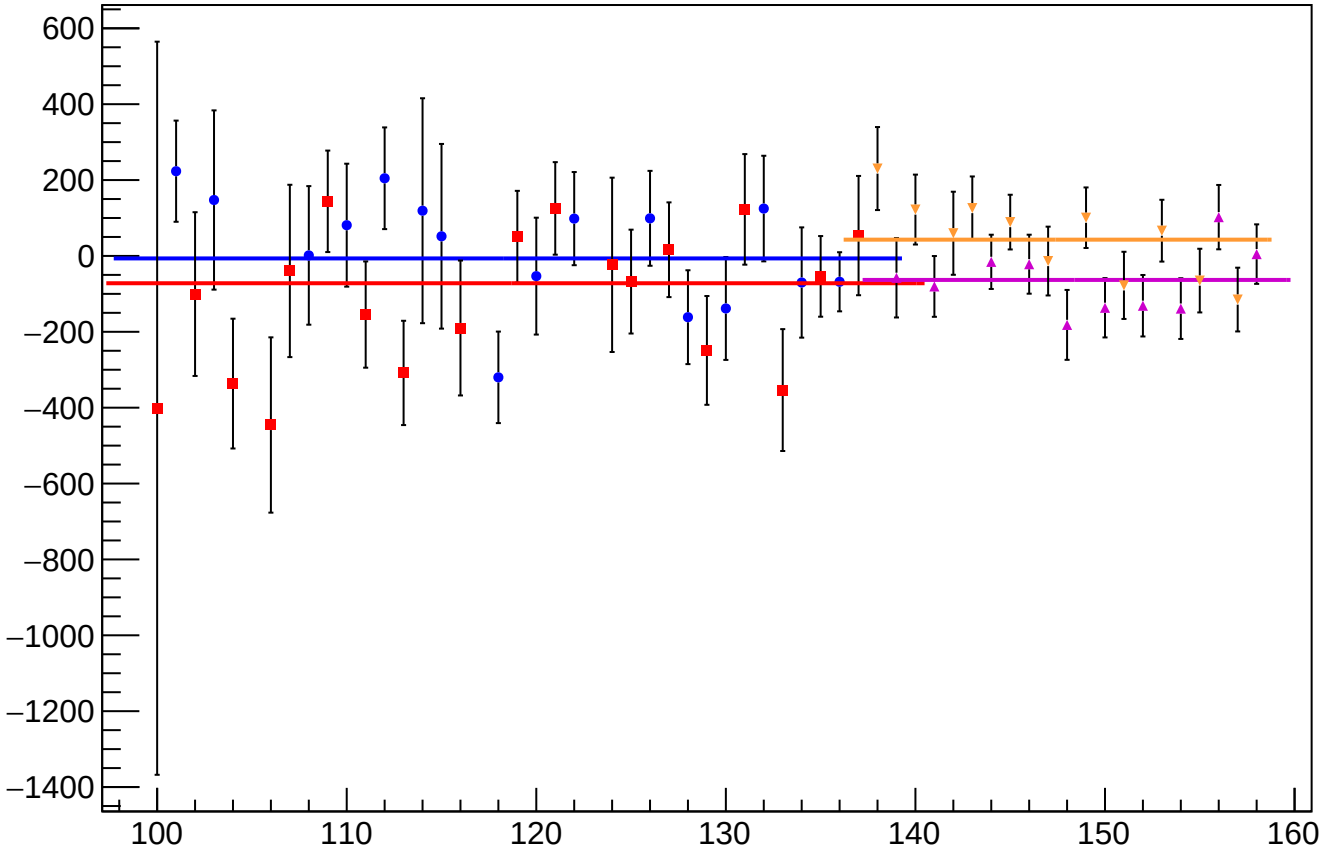
Left In: 744.905+/-0.183 χ^2/NDF:670408.5/9

+ sign 870.722+/-0.163 χ^2/NDF: 3102395.0/26

All: 870.258+/-0.115 χ^2/NDF: 6435204.2/55

- sign 869.801+/-0.162 χ^2/NDF: 3332793.1/28

cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 42.898+/-26.158 χ^2/NDF:13.1/10

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

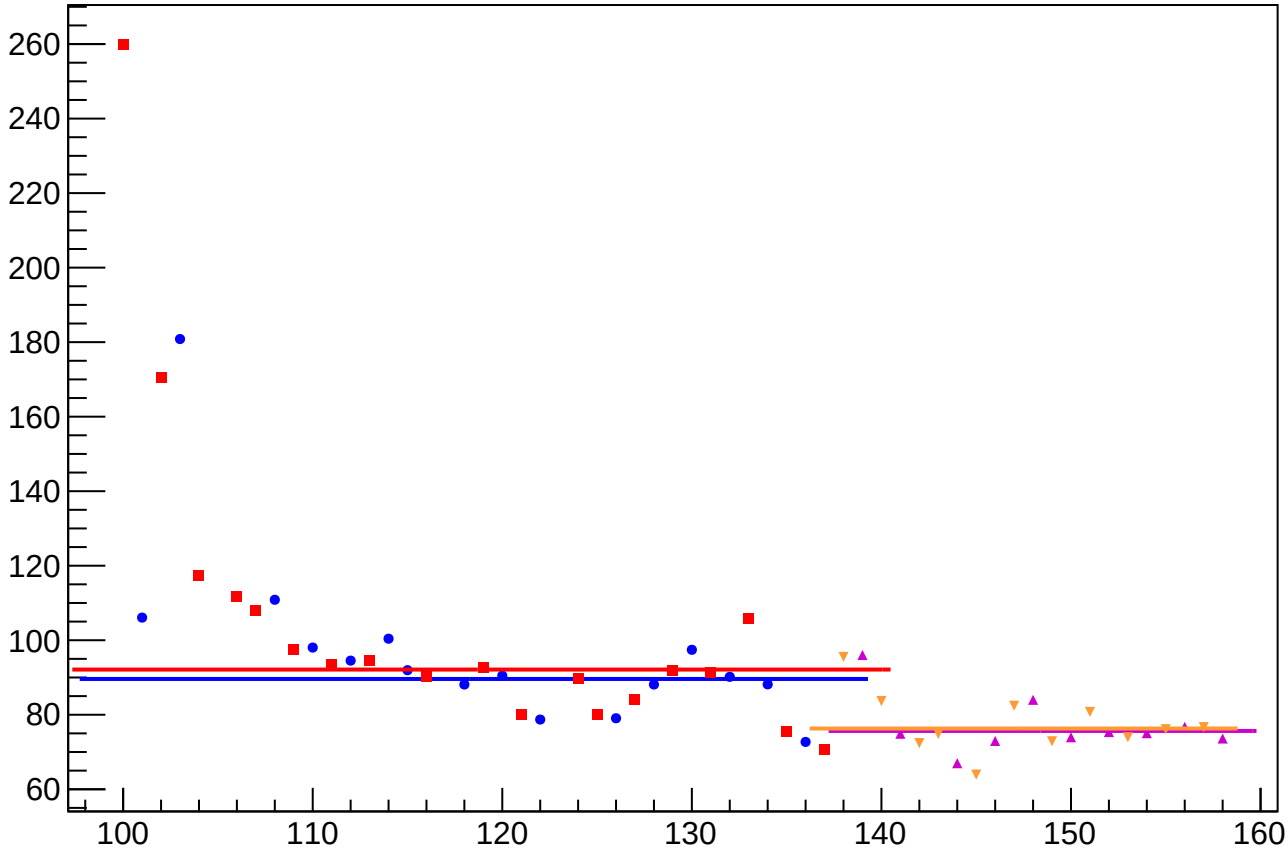
Left In: -63.261+/-25.824 χ^2/NDF:9.5/9

+ sign 24.699+/-20.797 χ^2/NDF: 33.4/26

All: -20.914+/-14.691 χ^2/NDF: 75.2/55

- sign -66.348+/-20.756 χ^2/NDF: 32.3/28

cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.307+/-0.018 χ^2/NDF:156225.0/10

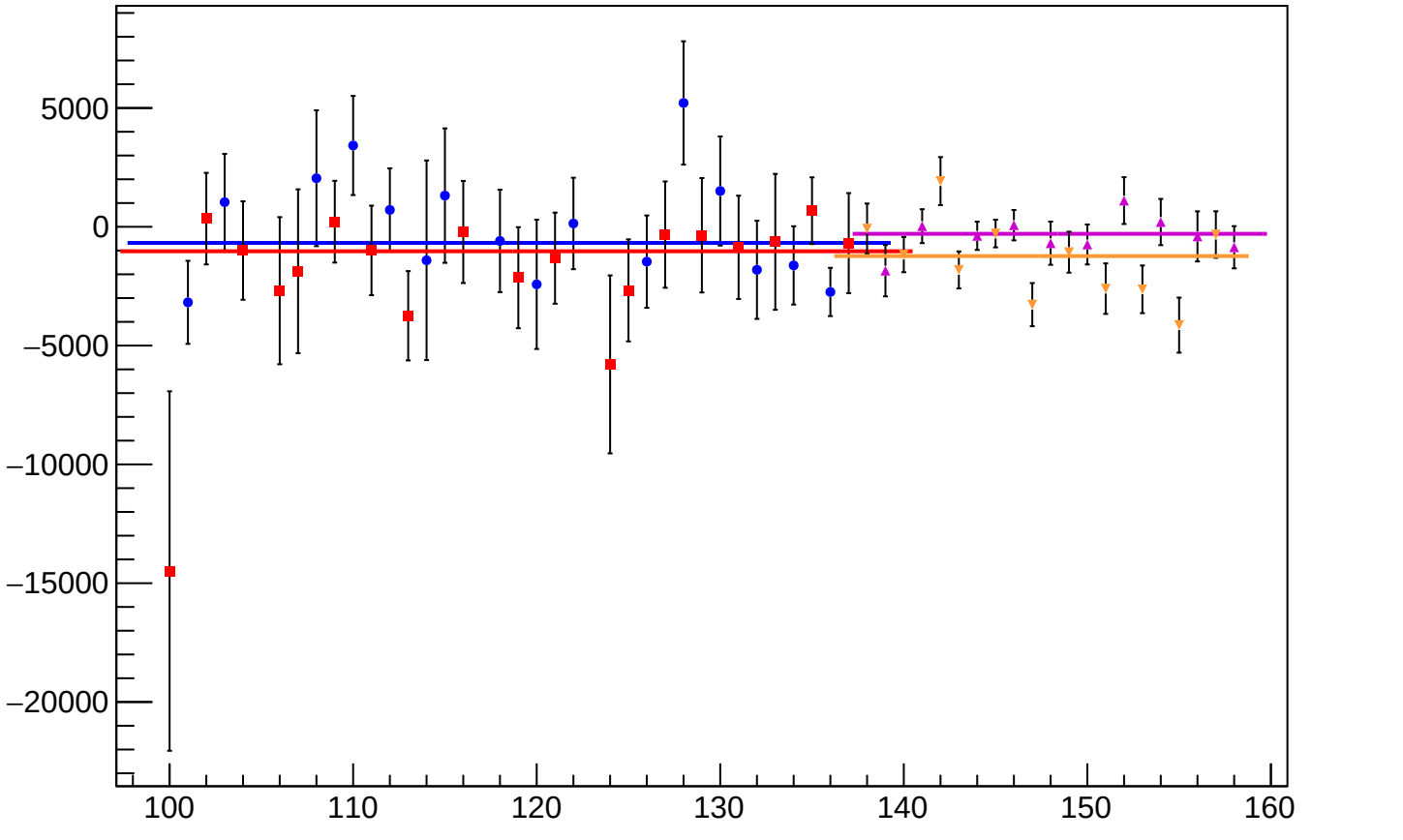
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.657+/-0.018 χ^2/NDF:126986.5/9

+ sign 81.199+/-0.015 χ^2/NDF: 844735.4/26

All: 81.344+/-0.010 χ^2/NDF: 1800305.8/55

- sign 81.488+/-0.015 χ^2/NDF: 955377.2/28



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -1232.522+/-262.503 χ^2/NDF:30.0/10

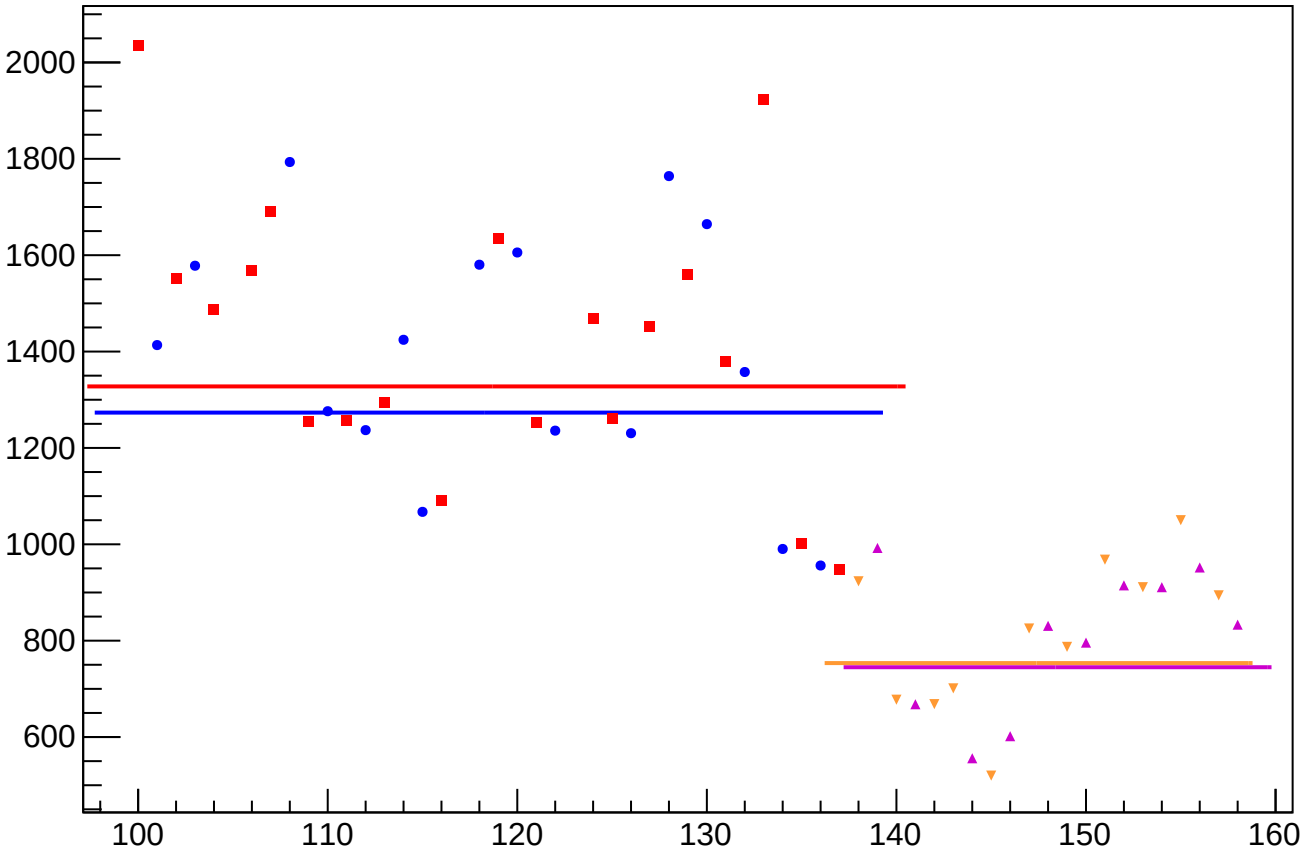
Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: -295.411+/-258.385 χ^2/NDF:5.8/9

+ sign -1107.327+/-231.017 χ^2/NDF: 51.3/26

All: -776.942+/-162.728 χ^2/NDF: 73.8/55

- sign -451.576+/-229.256 χ^2/NDF: 18.5/28



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 753.498+/-0.186 χ^2/NDF:736259.9/10

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

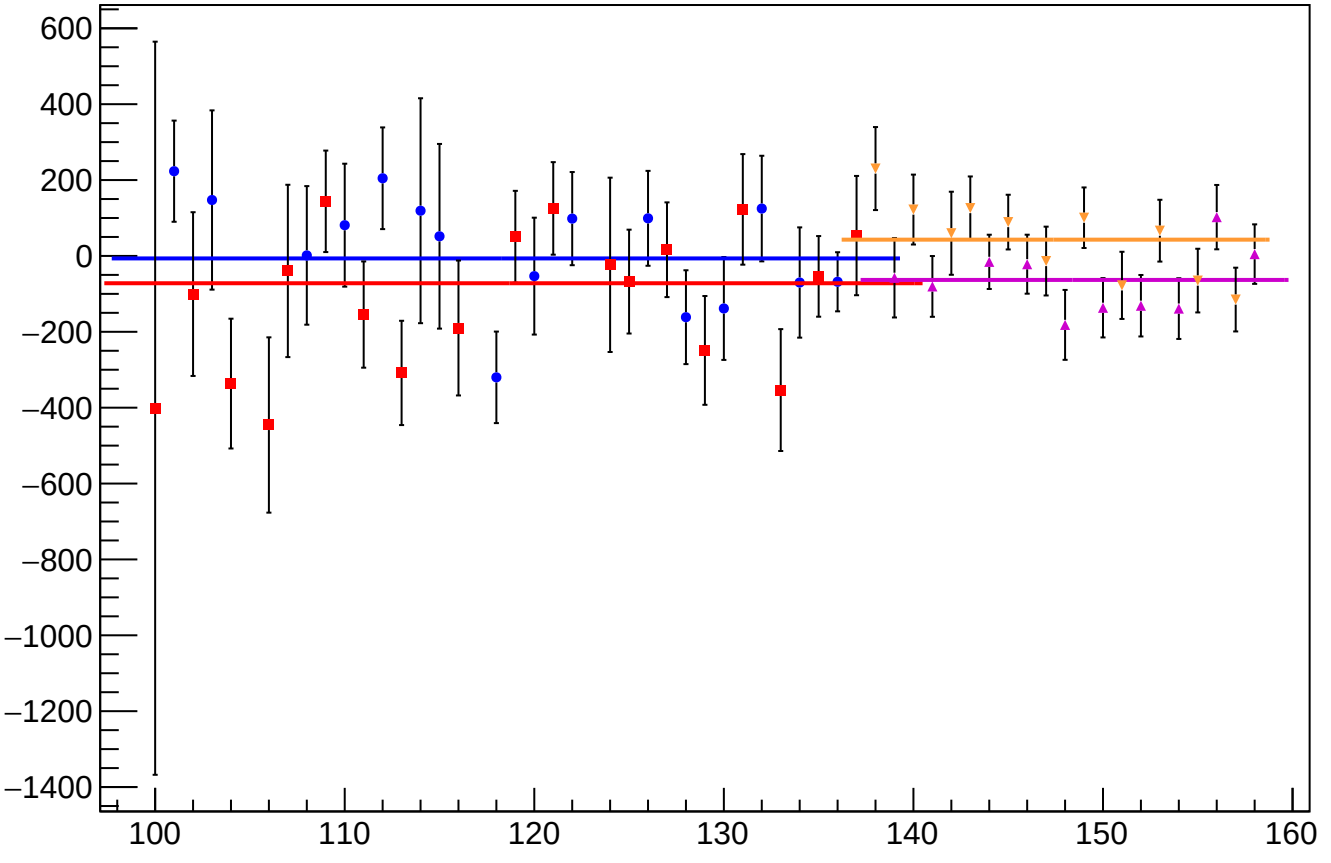
Left In: 744.905+/-0.183 χ^2/NDF:670406.3/9

+ sign 870.722+/-0.163 χ^2/NDF: 3102441.0/26

All: 869.801+/-0.115 χ^2/NDF: 6395927.2/55

- sign 868.894+/-0.162 χ^2/NDF: 3293423.1/28

eigen_cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 42.898+/-26.158 χ^2/NDF:13.1/10

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

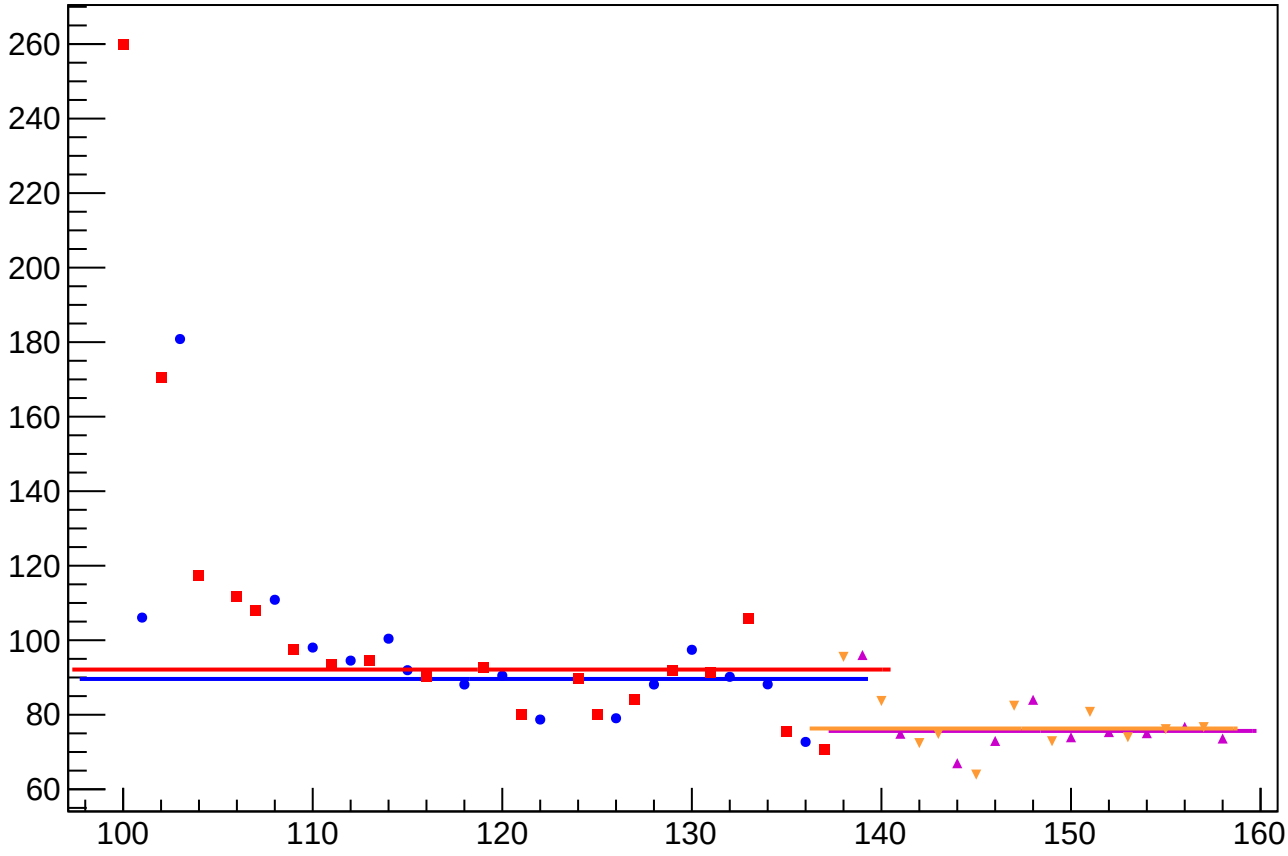
Left In: -63.261+/-25.824 χ^2/NDF:9.5/9

+ sign 24.699+/-20.797 χ^2/NDF: 33.4/26

All: -20.914+/-14.691 χ^2/NDF: 75.2/55

- sign -66.348+/-20.756 χ^2/NDF: 32.3/28

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.307+/-0.018 χ^2/NDF:156225.0/10

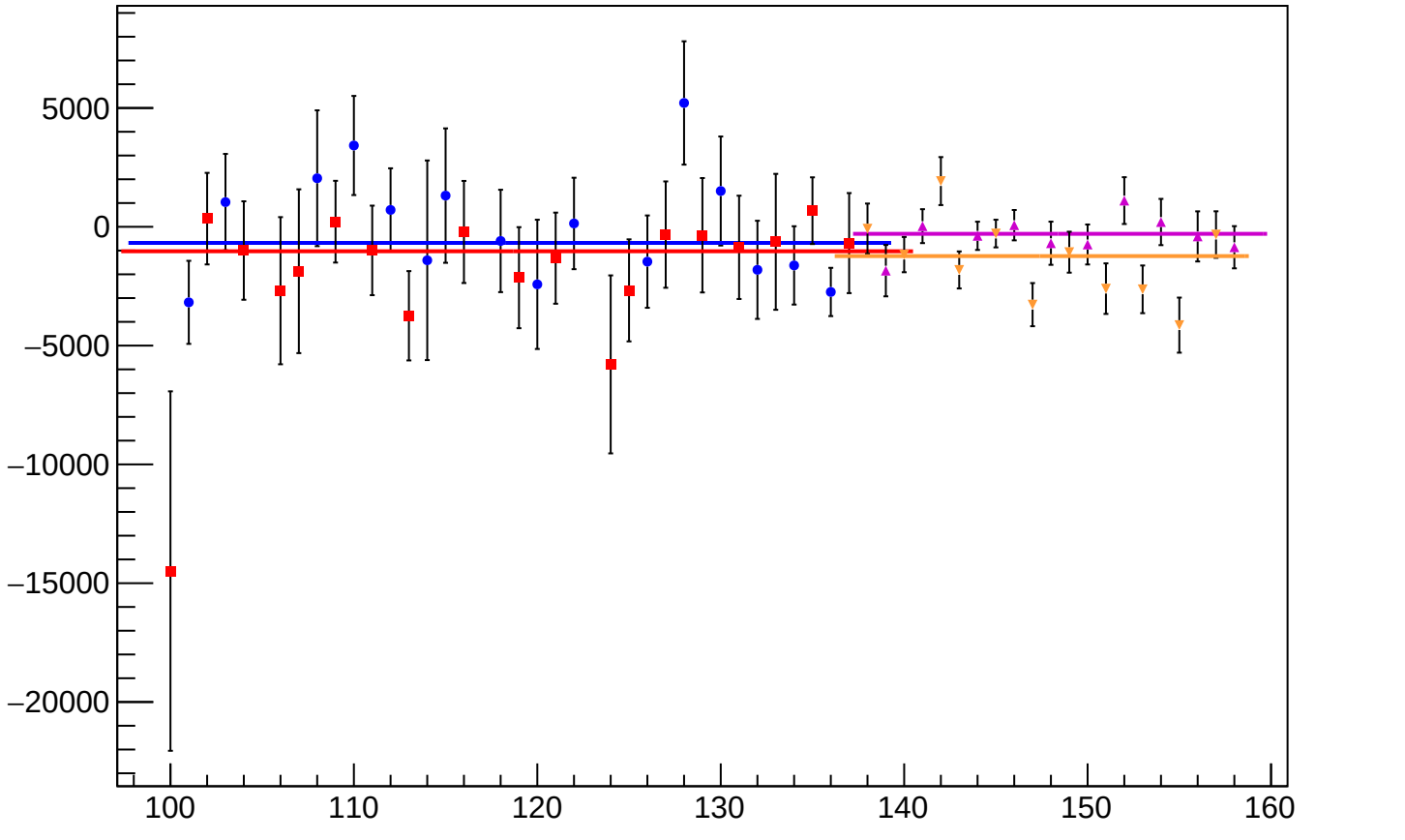
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.657+/-0.018 χ^2/NDF:126986.5/9

+ sign 81.199+/-0.015 χ^2/NDF: 844735.4/26

All: 81.344+/-0.010 χ^2/NDF: 1800305.8/55

- sign 81.488+/-0.015 χ^2/NDF: 955377.2/28



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -1232.522+/-262.503 χ^2/NDF:30.0/10

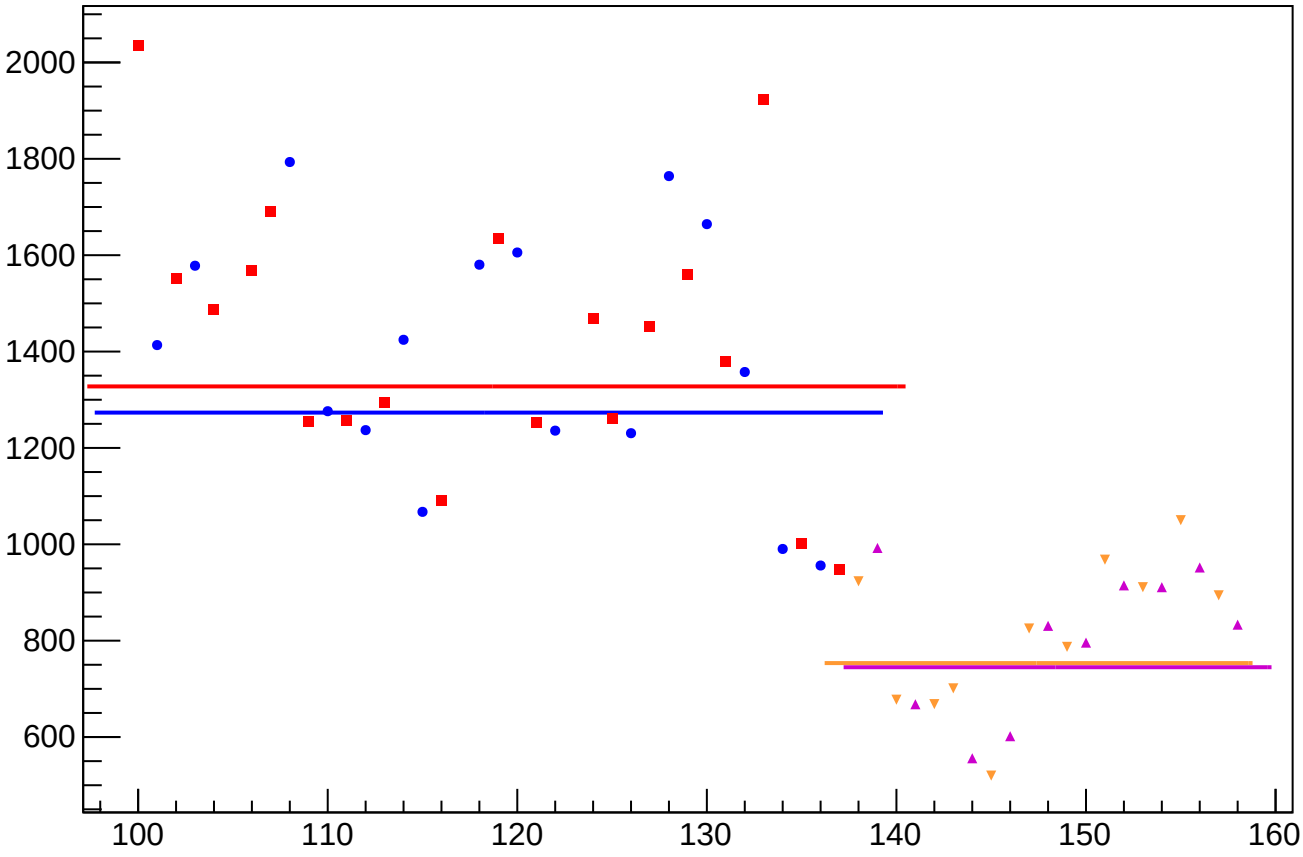
Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: -295.411+/-258.385 χ^2/NDF:5.8/9

+ sign -1107.327+/-231.017 χ^2/NDF: 51.3/26

All: -776.942+/-162.728 χ^2/NDF: 73.8/55

- sign -451.576+/-229.256 χ^2/NDF: 18.5/28



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 753.498+/-0.186 χ^2/NDF:736259.9/10

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

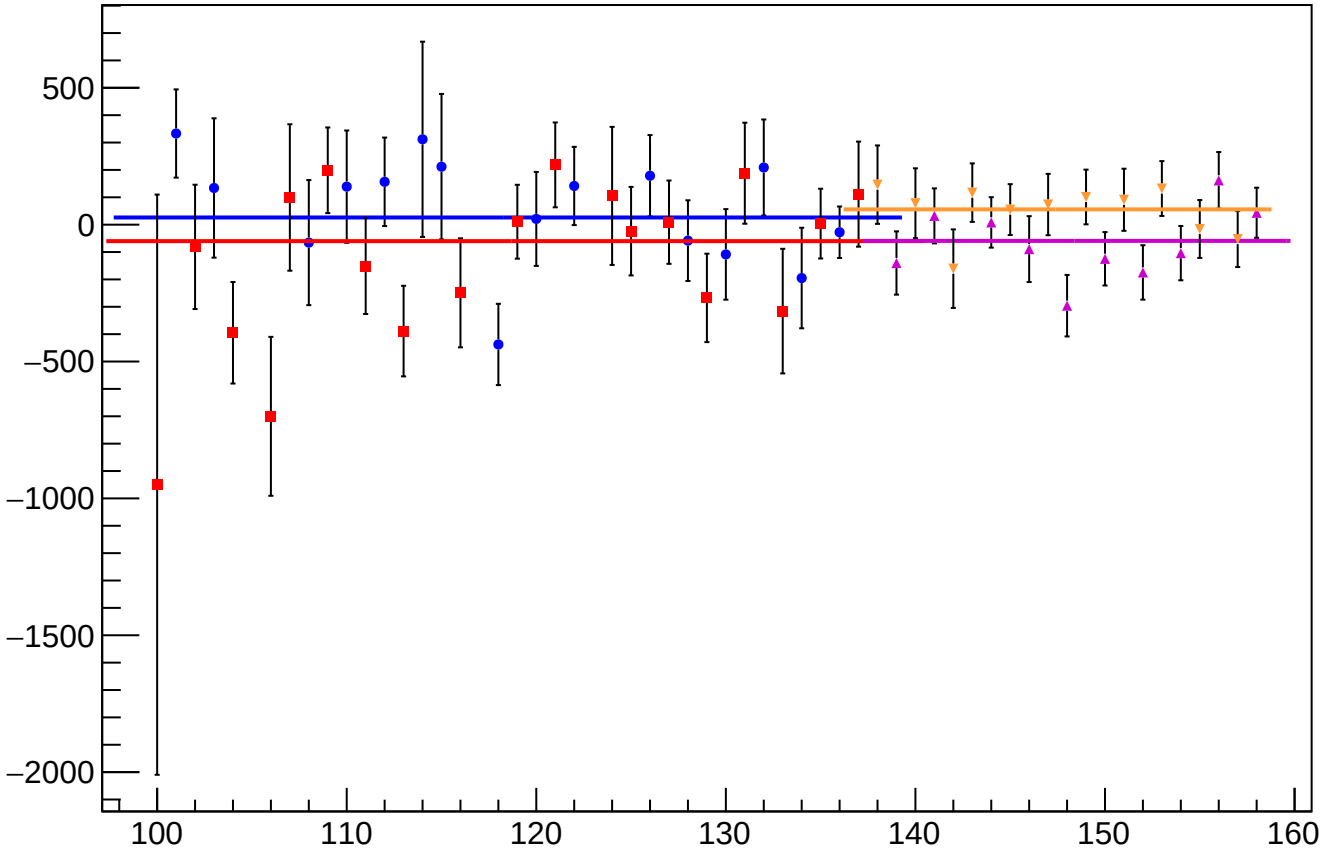
Left In: 744.905+/-0.183 χ^2/NDF:670406.3/9

+ sign 870.722+/-0.163 χ^2/NDF: 3102441.0/26

All: 869.801+/-0.115 χ^2/NDF: 6395927.2/55

- sign 868.894+/-0.162 χ^2/NDF: 3293423.1/28

dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 55.865+/-33.256 χ^2/NDF:5.5/10

Right Out: -60.119+/-41.528 χ^2/NDF: 27.0/18

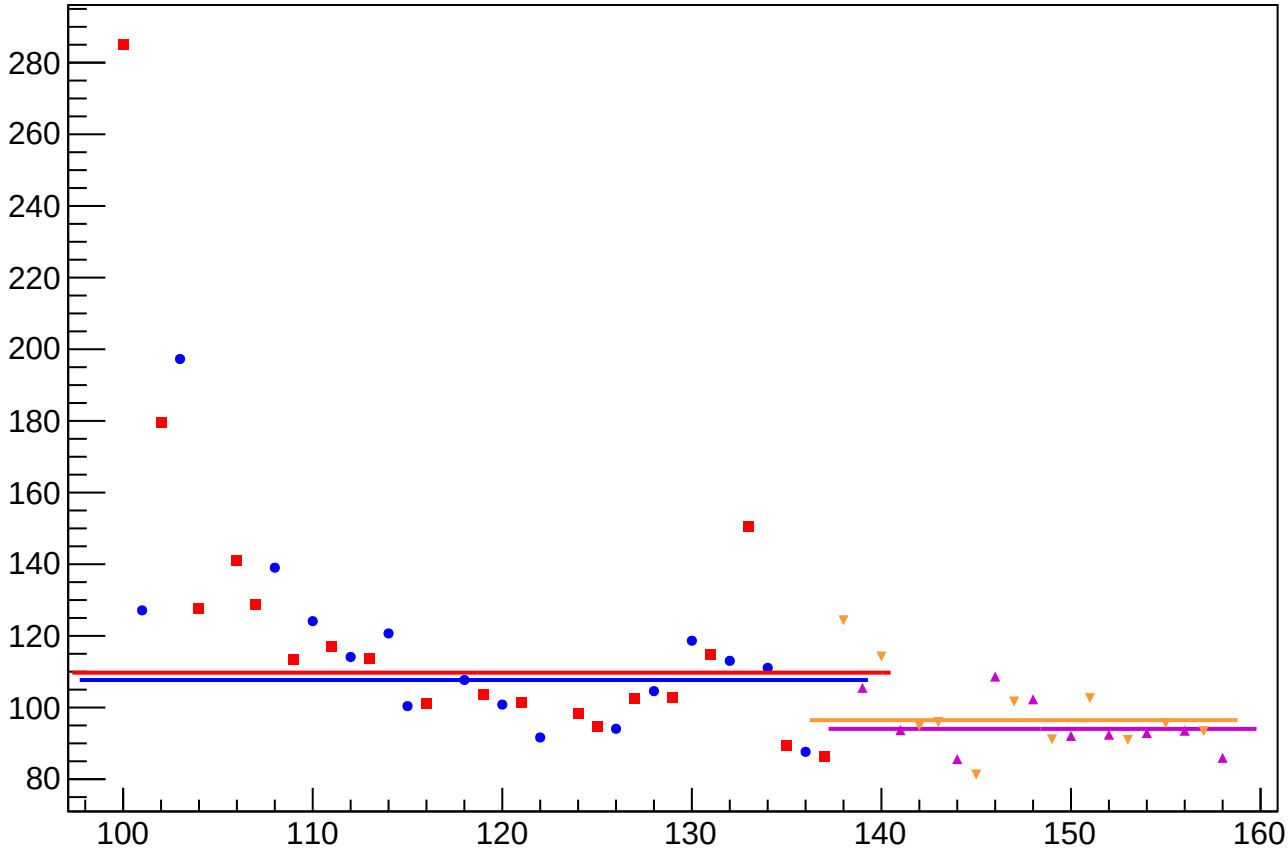
Left In: -59.245+/-32.262 χ^2/NDF:14.2/9

+ sign 44.189+/-25.882 χ^2/NDF: 27.2/26

All: -8.511+/-18.157 χ^2/NDF: 76.5/55

- sign -59.574+/-25.477 χ^2/NDF: 41.2/28

dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 96.474+/-0.024 χ^2/NDF:191919.0/10

Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

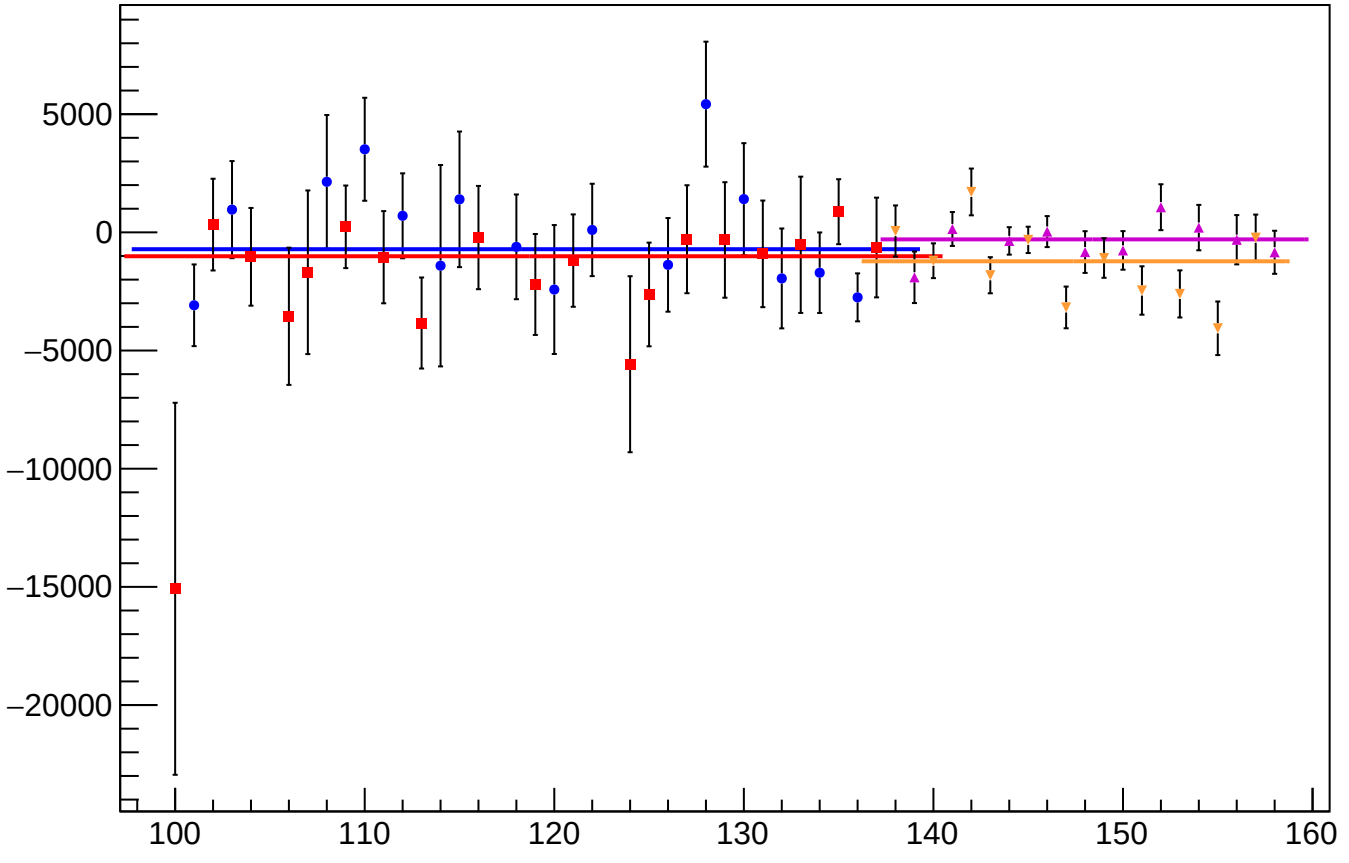
Left In: 94.039+/-0.023 χ^2/NDF:93812.7/9

+ sign 100.892+/-0.018 χ^2/NDF: 764579.3/26

All: 100.413+/-0.013 χ^2/NDF: 1529791.3/55

- sign 99.949+/-0.018 χ^2/NDF: 763862.3/28

asym_sam_2468_avg_dit_correction_mean vs Slug



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -1223.878+/-256.894 χ^2/NDF:29.0/10

Right Out: -1010.557+/-501.374 χ^2/NDF: 11.8/18

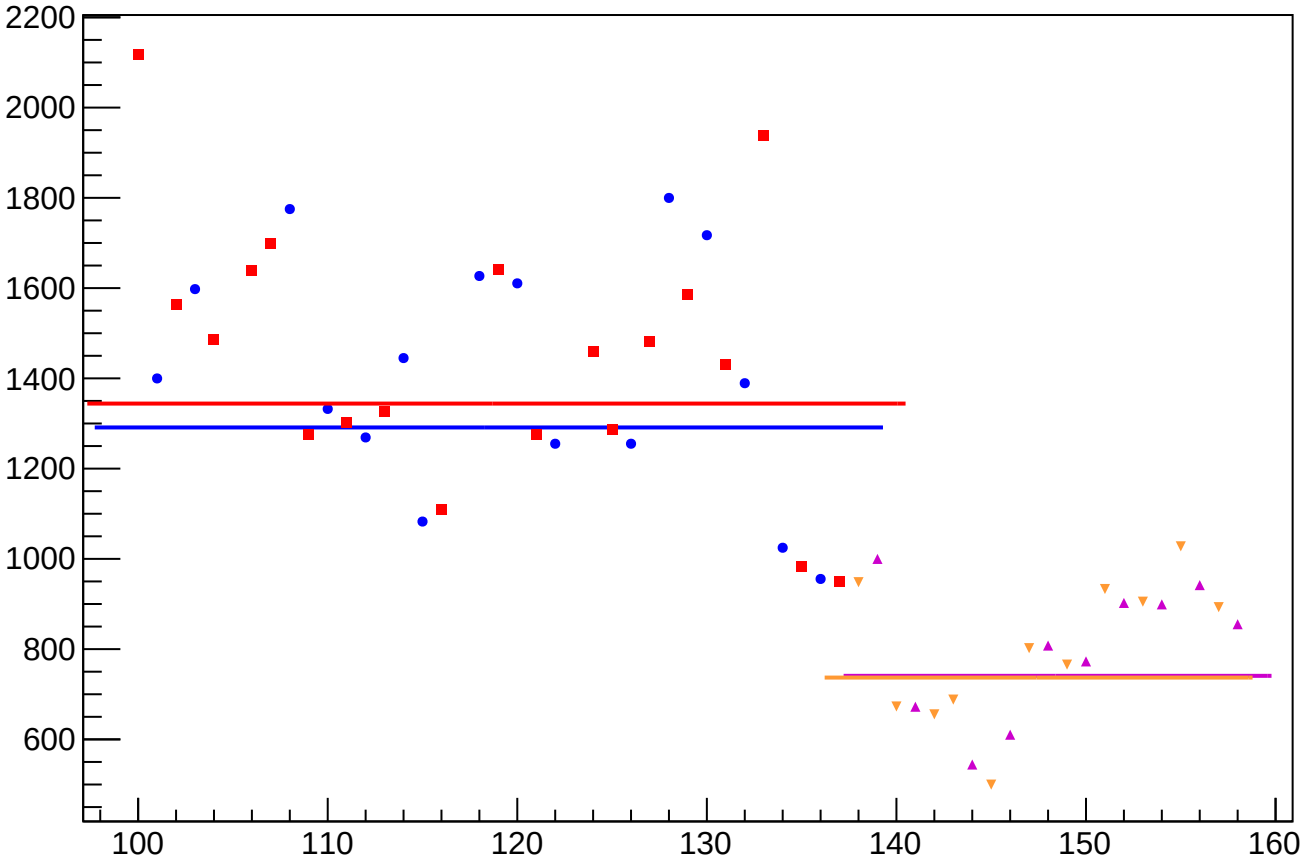
Left In: -297.090+/-257.134 χ^2/NDF:6.1/9

+ sign -1114.847+/-227.845 χ^2/NDF: 50.0/26

All: -781.656+/-161.447 χ^2/NDF: 73.7/55

- sign -445.669+/-228.799 χ^2/NDF: 19.5/28

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

Left Out: 736.961+/-0.182 χ^2/NDF:802236.4/10

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

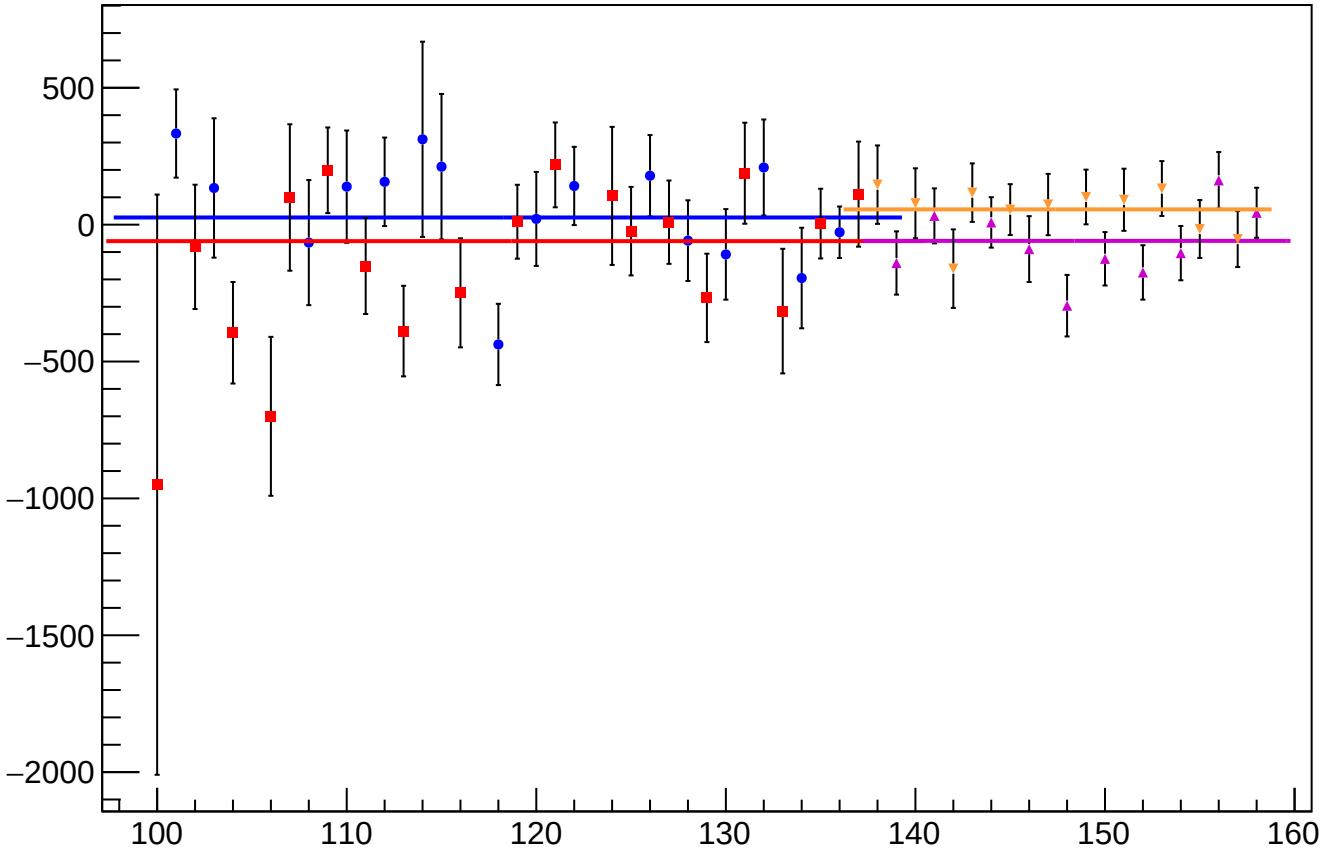
Left In: 740.820+/-0.182 χ^2/NDF:669346.8/9

+ sign 855.225+/-0.161 χ^2/NDF: 3399642.7/26

All: 860.817+/-0.114 χ^2/NDF: 6855134.7/55

- sign 866.456+/-0.162 χ^2/NDF: 3453072.2/28

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 55.866+/-33.256 χ^2/NDF:5.5/10

Right Out: -60.117+/-41.528 χ^2/NDF: 27.0/18

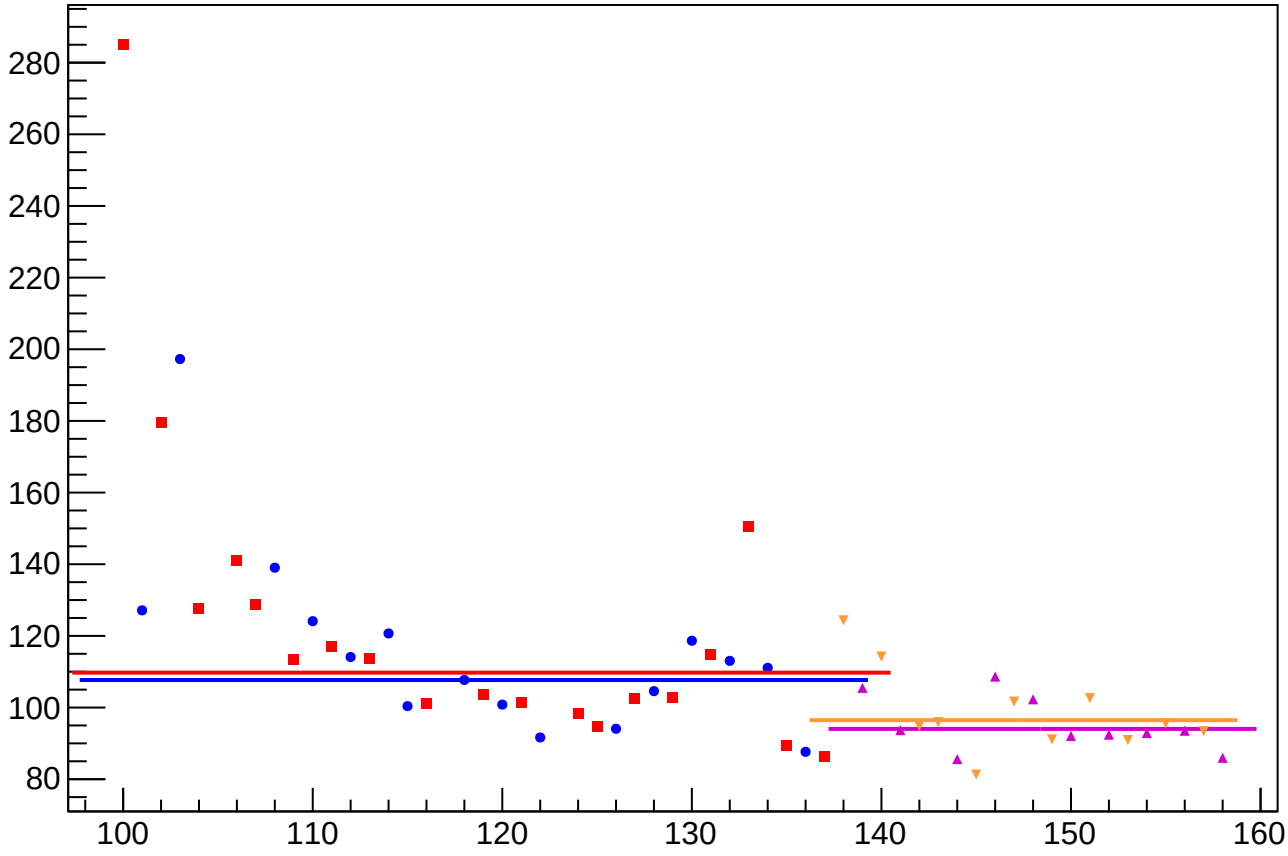
Left In: -59.244+/-32.262 χ^2/NDF:14.2/9

+ sign 44.190+/-25.882 χ^2/NDF: 27.2/26

All: -8.510+/-18.157 χ^2/NDF: 76.5/55

- sign -59.573+/-25.477 χ^2/NDF: 41.2/28

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.679+/-0.029 χ^2/NDF: 483112.2/15

Left Out: 96.474+/-0.024 χ^2/NDF:191906.4/10

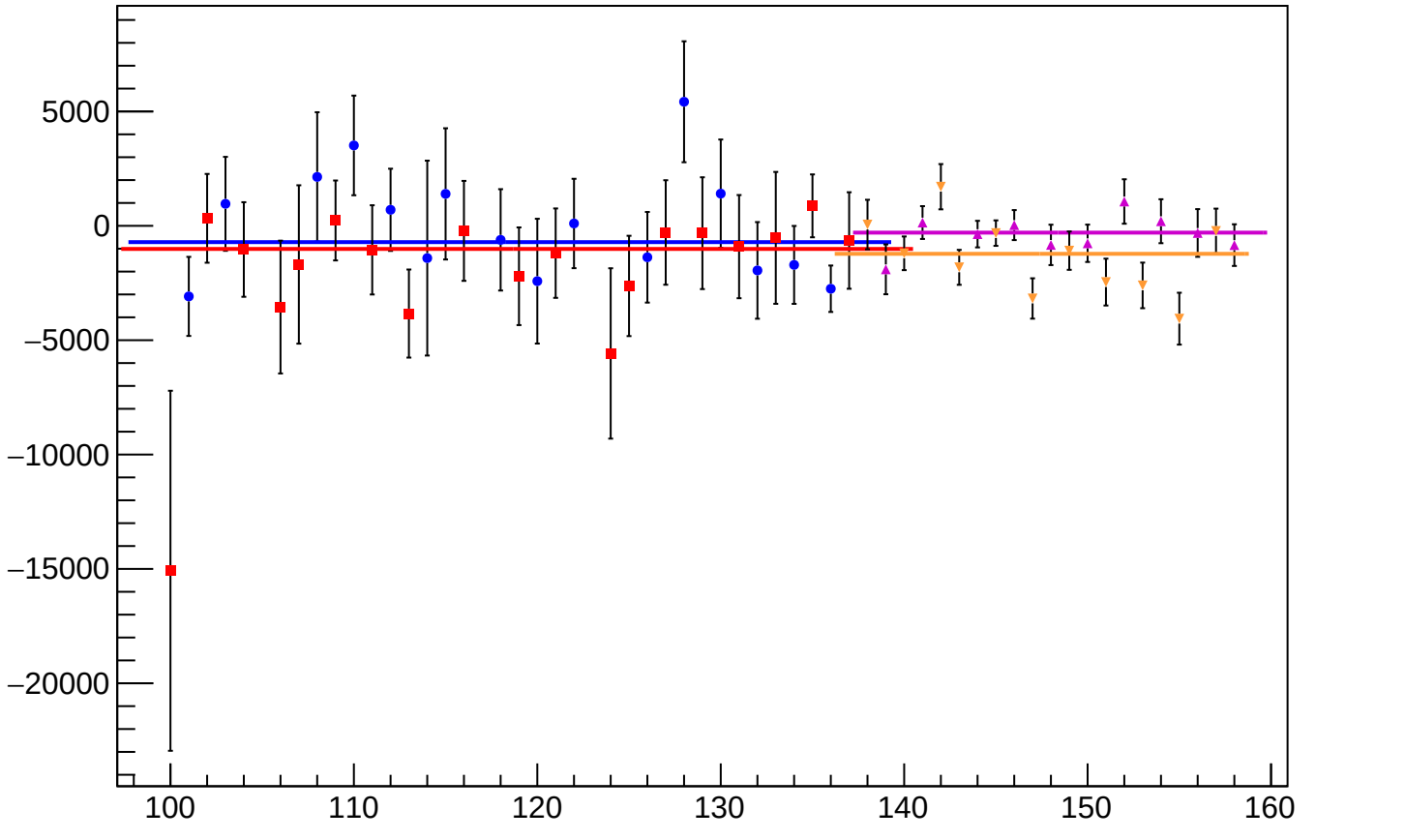
Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

Left In: 94.040+/-0.023 χ^2/NDF:93813.3/9

+ sign 100.892+/-0.018 χ^2/NDF: 764533.5/26

All: 100.413+/-0.013 χ^2/NDF: 1529722.6/55

- sign 99.949+/-0.018 χ^2/NDF: 763839.2/28



Right In: -712.881+/-493.252 χ^2/NDF: 20.1/15

Left Out: -1223.878+/-256.894 χ^2/NDF:29.0/10

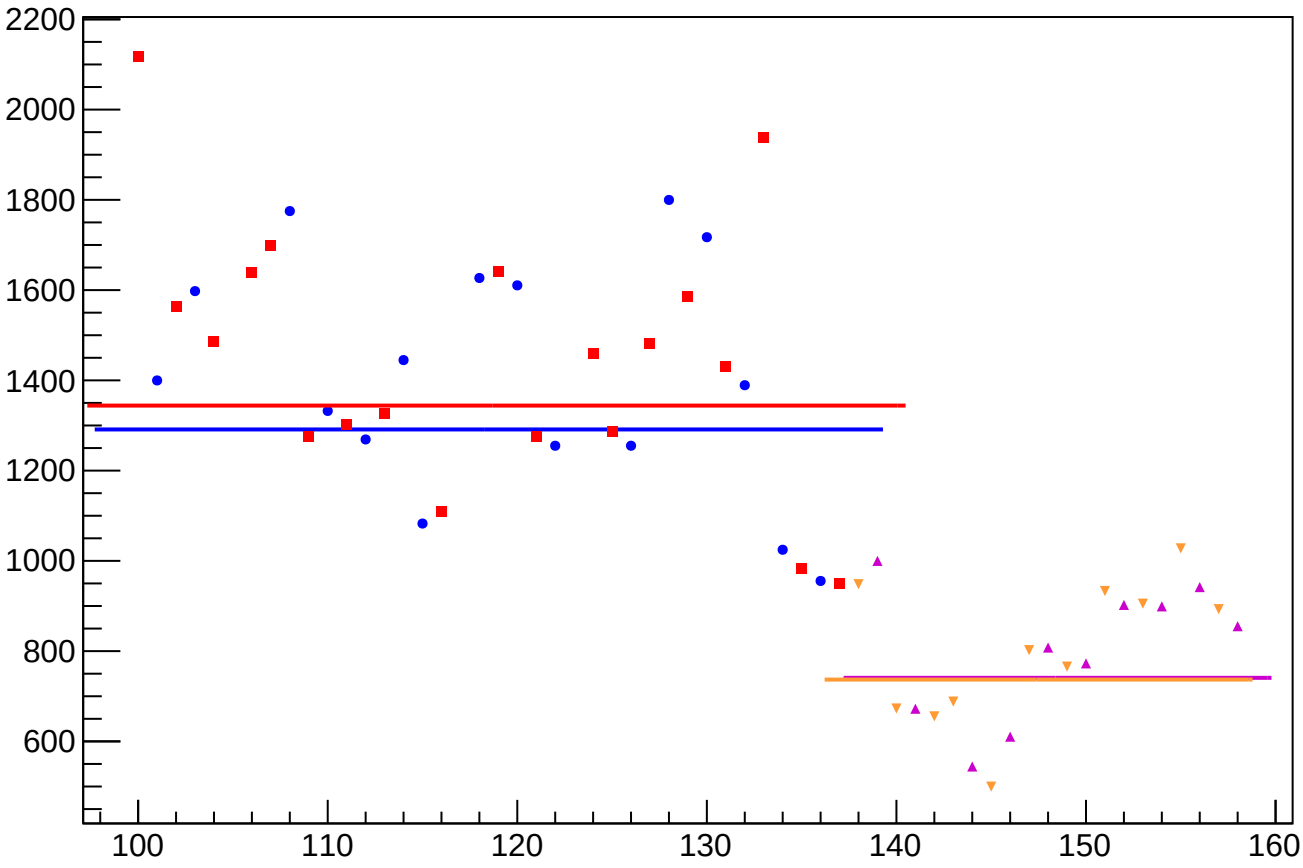
Right Out: -1010.556+/-501.373 χ^2/NDF: 11.8/18

Left In: -297.089+/-257.134 χ^2/NDF:6.1/9

+ sign -1114.845+/-227.844 χ^2/NDF: 50.0/26

All: -781.655+/-161.447 χ^2/NDF: 73.7/55

- sign -445.669+/-228.798 χ^2/NDF: 19.5/28



Right In: 1291.220+/-0.349 χ^2/NDF: 610894.9/15

Left Out: 736.959+/-0.182 χ^2/NDF:802244.7/10

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

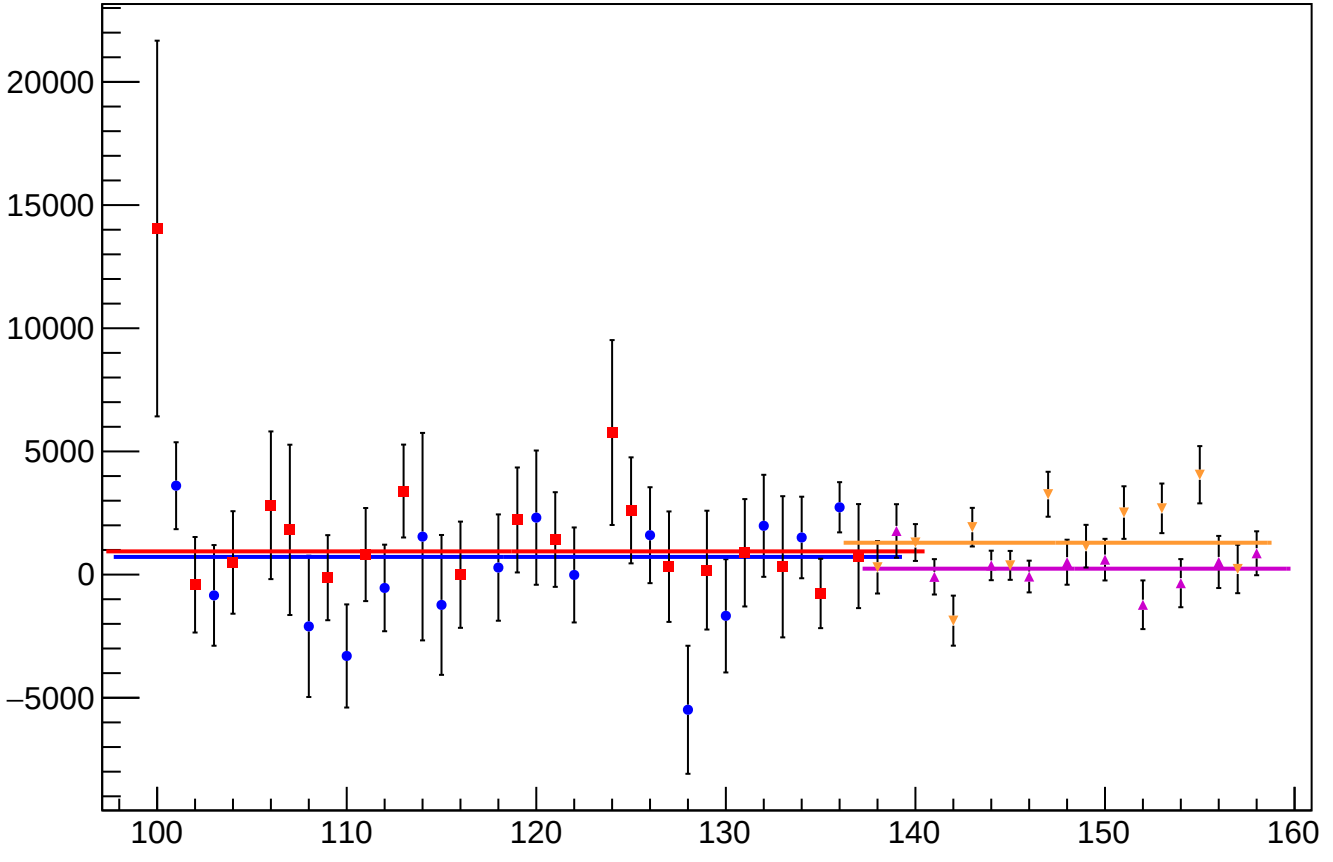
Left In: 740.819+/-0.182 χ^2/NDF:669347.1/9

+ sign 855.223+/-0.161 χ^2/NDF: 3399647.6/26

All: 860.816+/-0.114 χ^2/NDF: 6855133.1/55

- sign 866.455+/-0.162 χ^2/NDF: 3453065.6/28

asym_sam_2468_avg_mean vs Slug



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 1293.469+/-263.996 χ^2/NDF:28.4/10

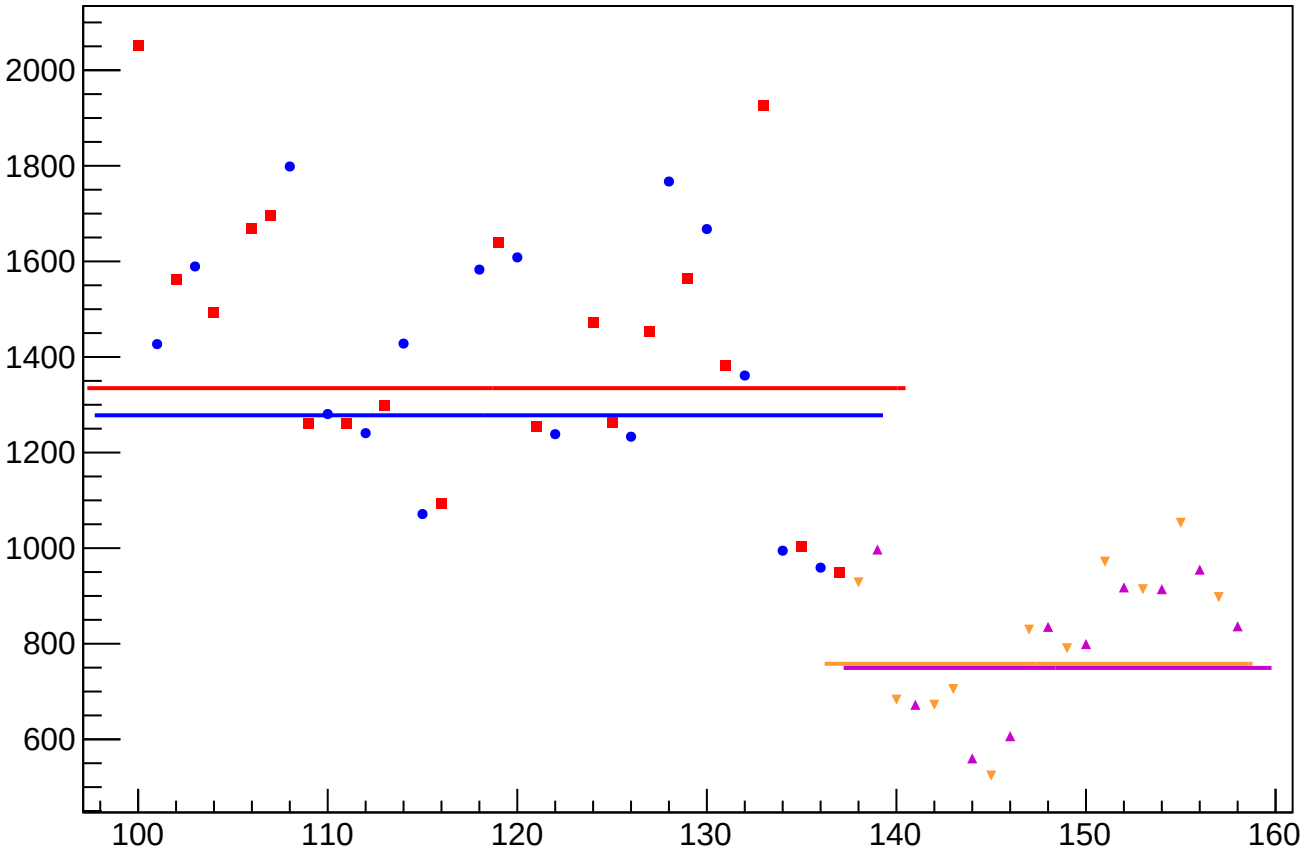
Right Out: 942.308+/-498.052 χ^2/NDF: 10.6/18

Left In: 240.012+/-259.854 χ^2/NDF:5.9/9

+ sign 1163.196+/-232.223 χ^2/NDF: 50.5/26

All: 773.664+/-163.552 χ^2/NDF: 74.1/55

- sign 390.281+/-230.382 χ^2/NDF: 18.0/28



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 758.043+/-0.187 χ^2/NDF:725167.6/10

Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

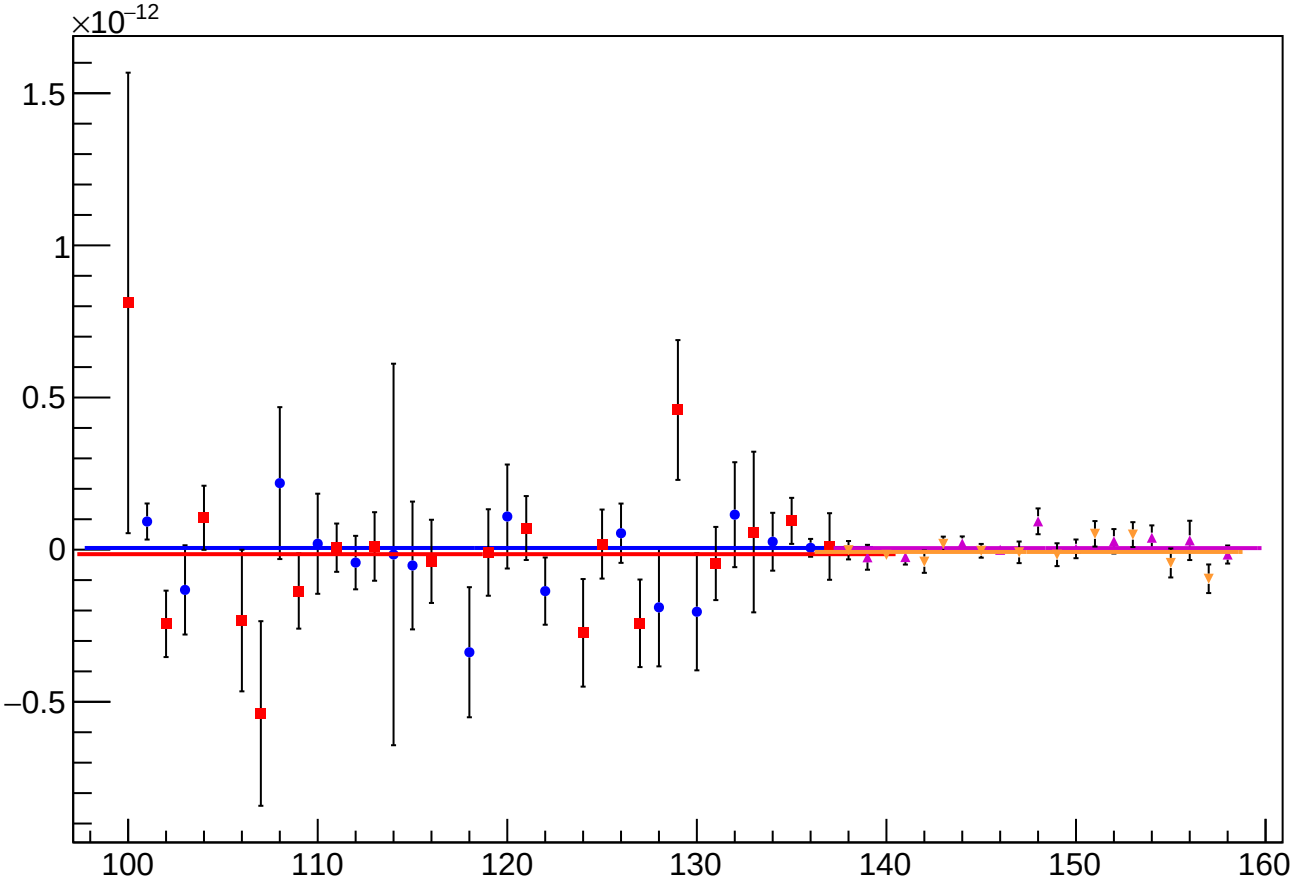
Left In: 749.395+/-0.184 χ^2/NDF:659724.3/9

+ sign 875.666+/-0.164 χ^2/NDF: 3077841.4/26

All: 875.153+/-0.116 χ^2/NDF: 6381169.4/55

- sign 874.648+/-0.163 χ^2/NDF: 3303308.6/28

asym_sam_2468_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.6/10

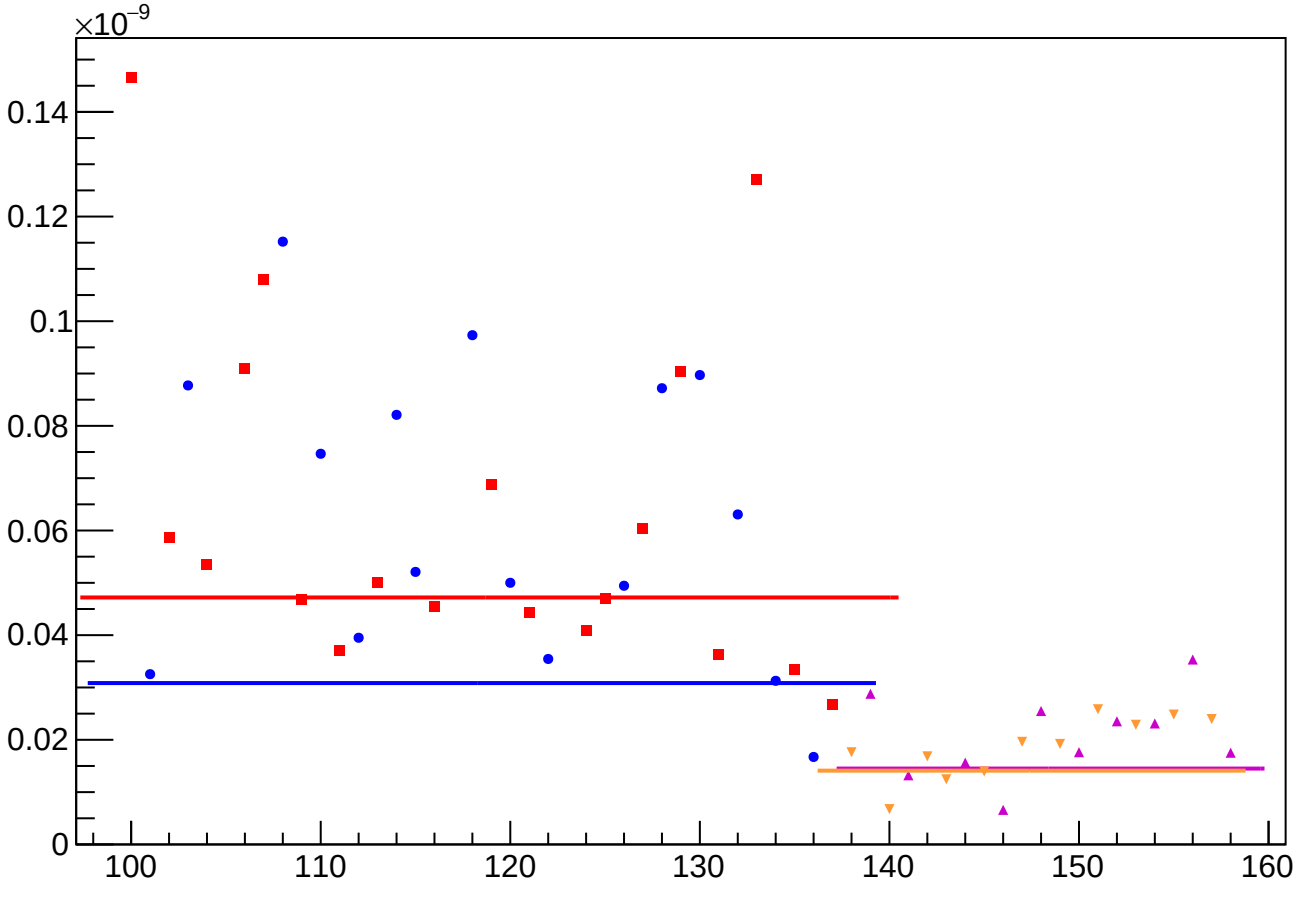
Right Out: -0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: 0.000+/-0.000 χ^2/NDF:8.5/9

+ sign -0.000+/-0.000 χ^2/NDF: 22.5/26

All: -0.000+/-0.000 χ^2/NDF: 55.9/55

- sign 0.000+/-0.000 χ^2/NDF: 32.7/28



Right In: 0.000+/-0.000 χ^2/NDF: 1912879.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1038209.1/10

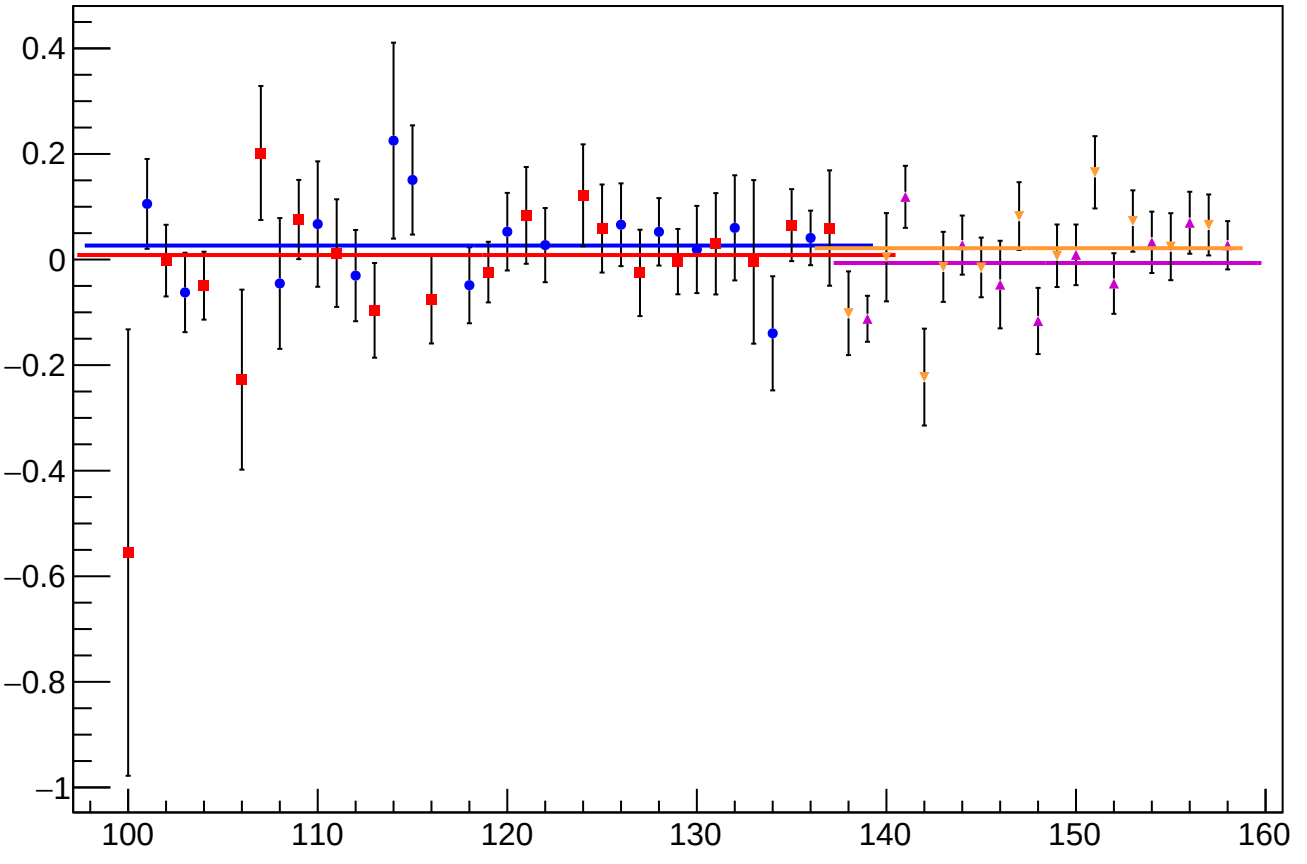
Right Out: 0.000+/-0.000 χ^2/NDF: 722091.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1419382.0/9

+ sign 0.000+/-0.000 χ^2/NDF: 3989121.5/26

All: 0.000+/-0.000 χ^2/NDF: 8529101.7/55

- sign 0.000+/-0.000 χ^2/NDF: 4528120.1/28



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.021+/-0.020 χ^2/NDF:17.0/10

Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

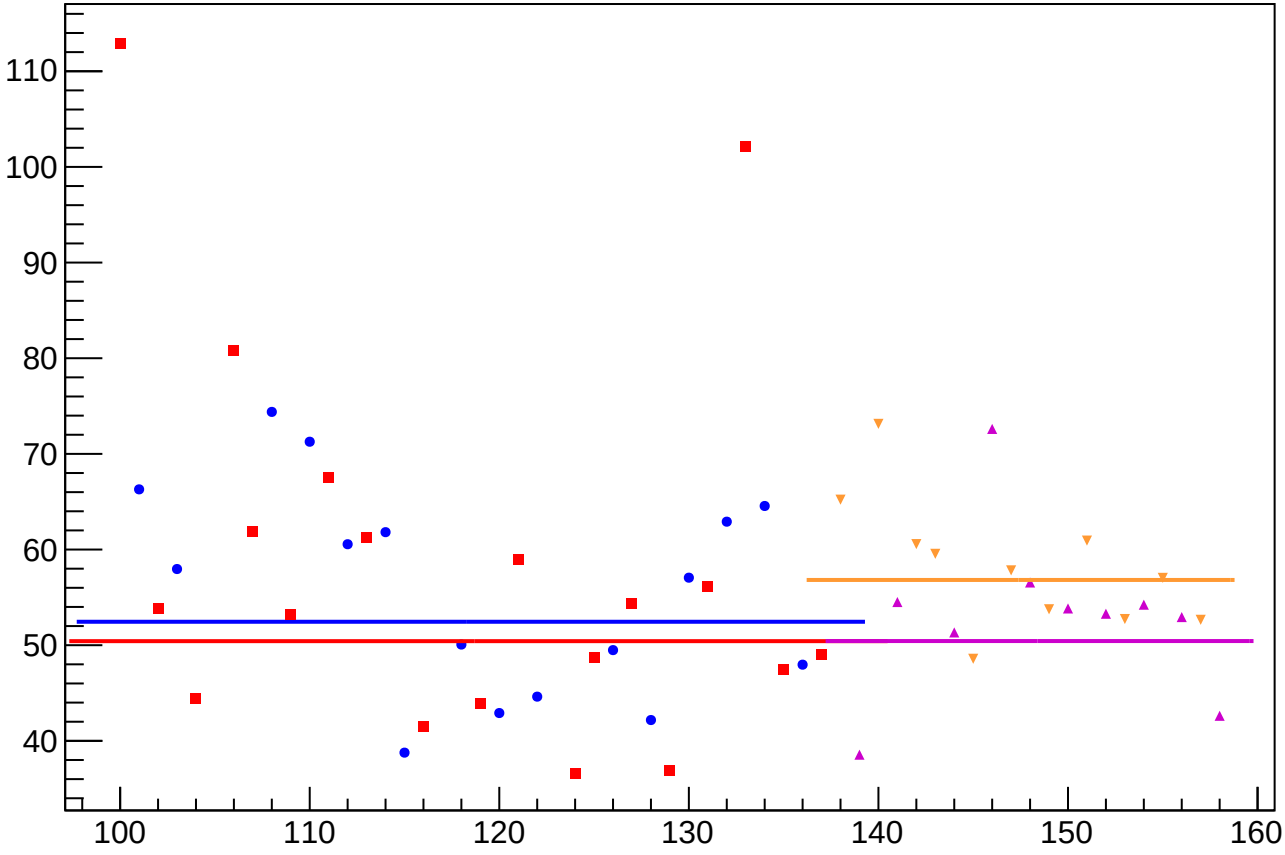
Left In: -0.007+/-0.018 χ^2/NDF:17.3/9

+ sign 0.024+/-0.014 χ^2/NDF: 26.9/26

All: 0.011+/-0.010 χ^2/NDF: 60.0/55

- sign 0.000+/-0.013 χ^2/NDF: 31.6/28

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 56.821+/-0.014 χ^2/NDF:181133.5/10

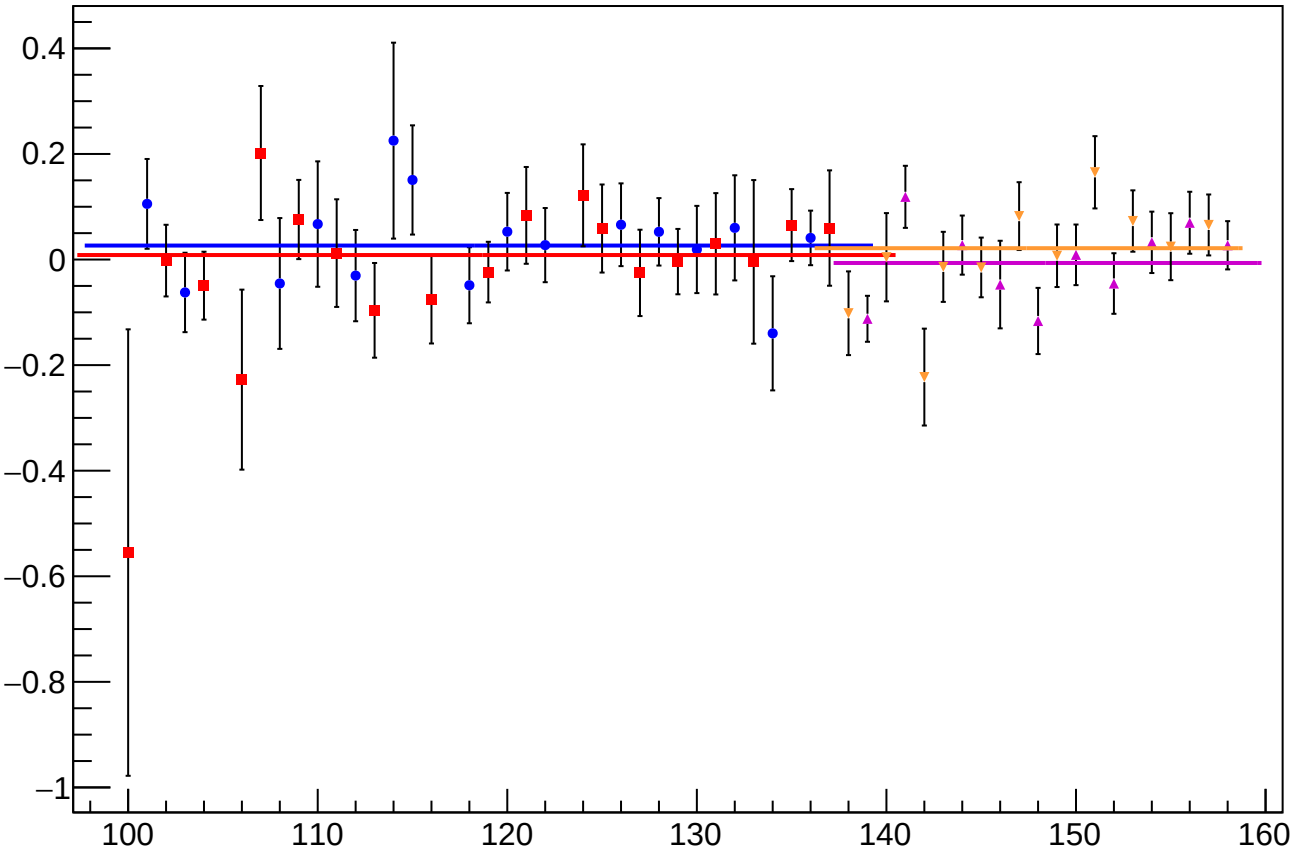
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.434+/-0.012 χ^2/NDF:403508.7/9

+ sign 54.699+/-0.010 χ^2/NDF: 646370.5/26

All: 52.387+/-0.007 χ^2/NDF: 1824330.8/55

- sign 50.429+/-0.009 χ^2/NDF: 1080256.3/28



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.021+/-0.020 χ^2/NDF:17.0/10

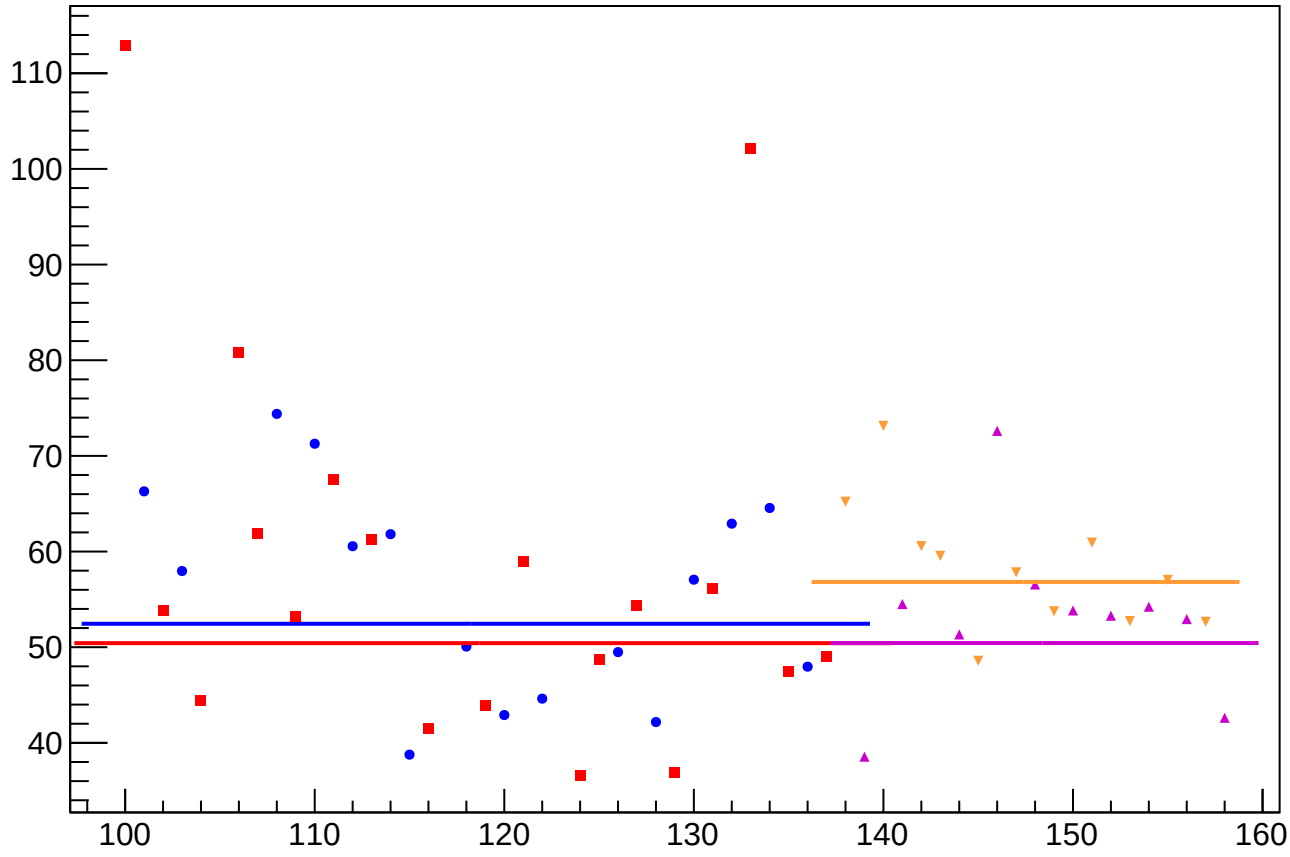
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.007+/-0.018 χ^2/NDF:17.3/9

\+ sign 0.024+/-0.014 χ^2/NDF: 26.9/26

All: 0.011+/-0.010 χ^2/NDF: 60.0/55

\- sign 0.000+/-0.013 χ^2/NDF: 31.6/28



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 56.821+/-0.014 χ^2/NDF:181133.5/10

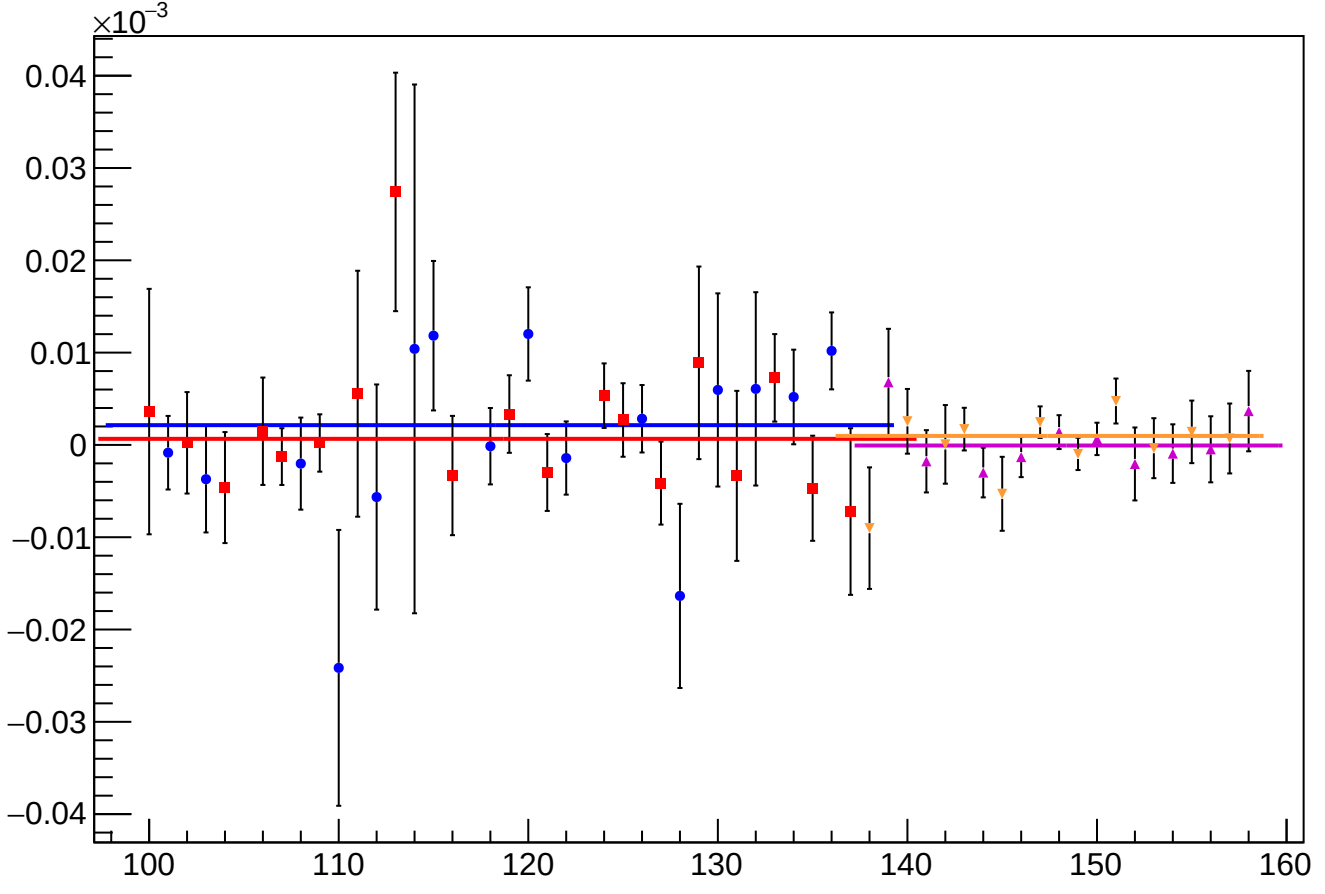
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.434+/-0.012 χ^2/NDF:403508.7/9

+ sign 54.699+/-0.010 χ^2/NDF: 646370.5/26

All: 52.387+/-0.007 χ^2/NDF: 1824330.8/55

- sign 50.429+/-0.009 χ^2/NDF: 1080256.3/28



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.7/10

Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

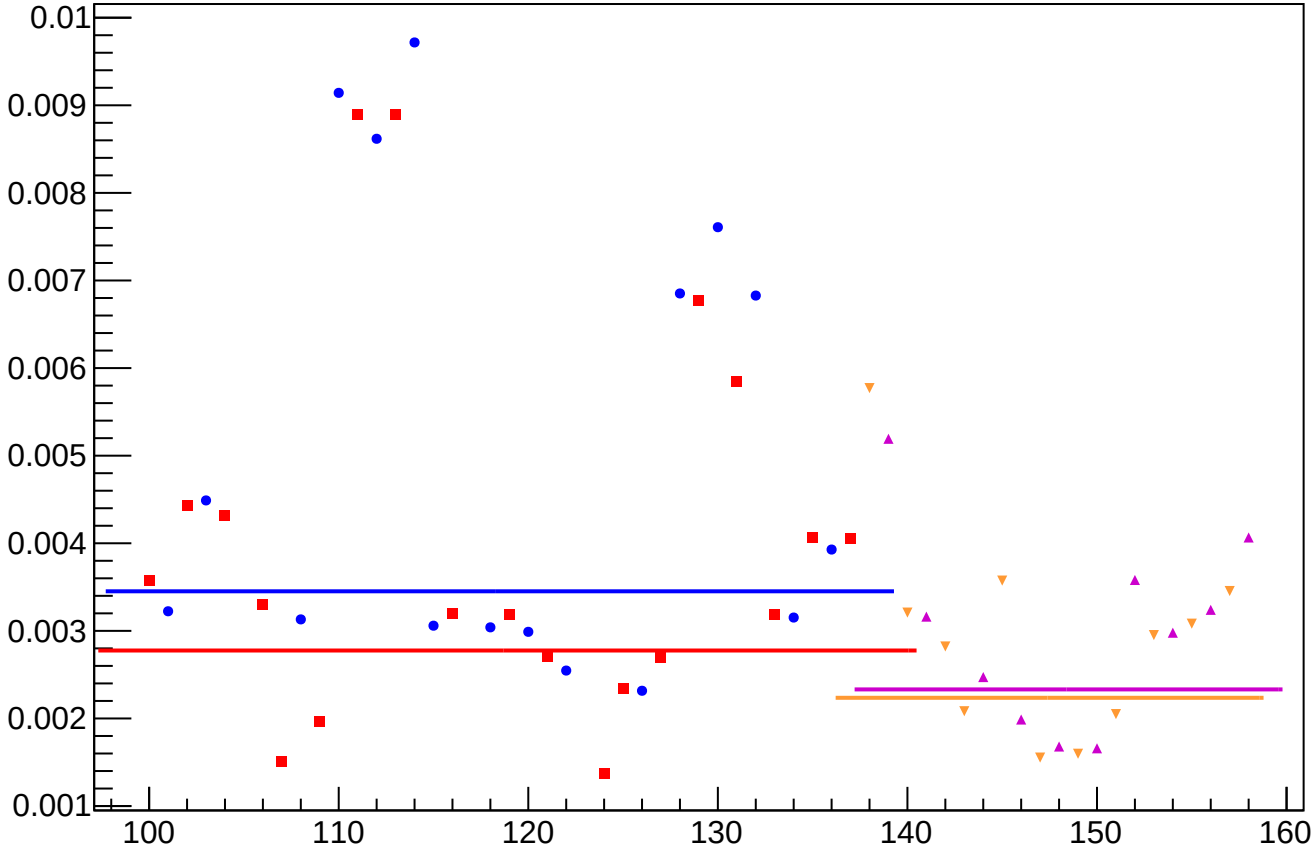
Left In: -0.000+/-0.000 χ^2/NDF:5.0/9

+ sign 0.000+/-0.000 χ^2/NDF: 30.3/26

All: 0.000+/-0.000 χ^2/NDF: 51.6/55

- sign 0.000+/-0.000 χ^2/NDF: 20.1/28

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2026855.1/10

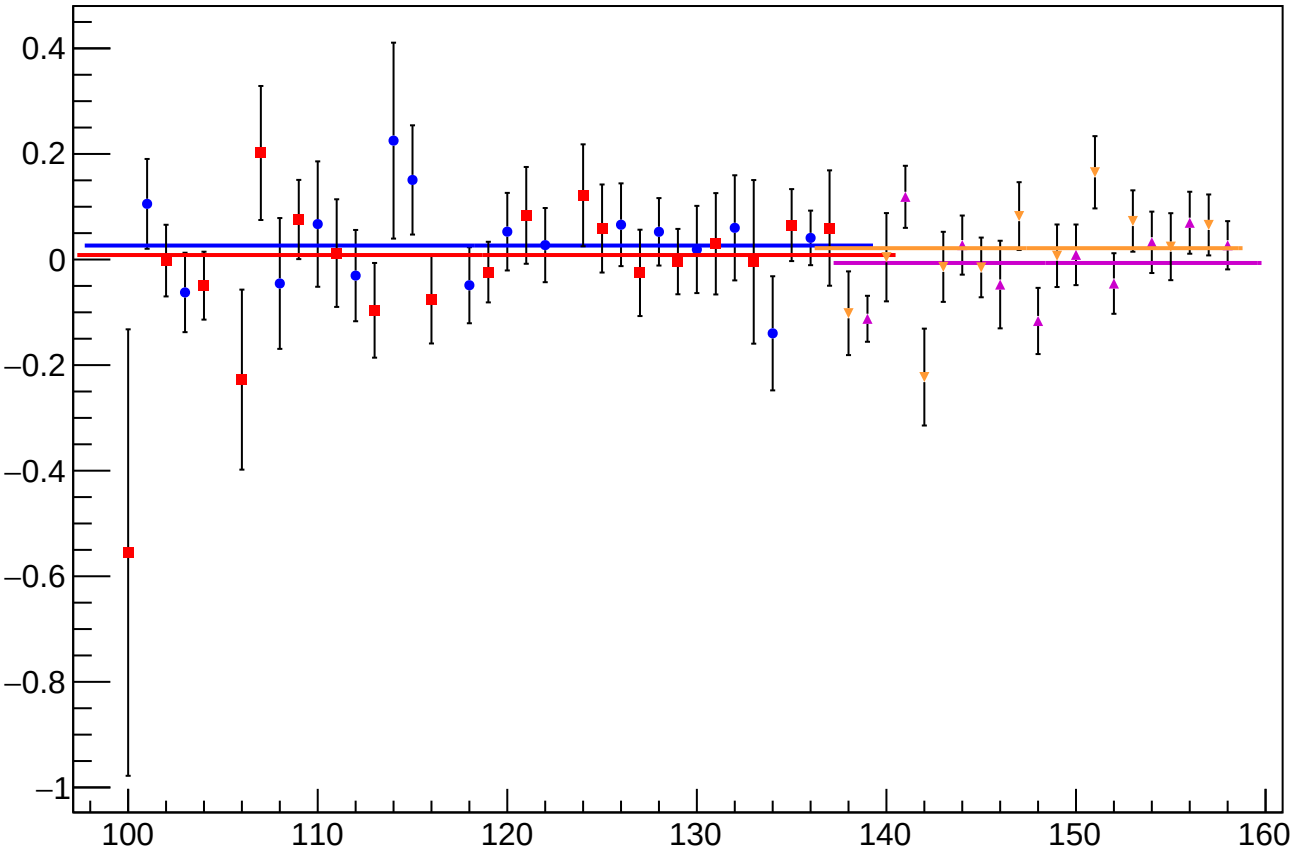
Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.002+/-0.000 χ^2/NDF:1940895.2/9

+ sign 0.003+/-0.000 χ^2/NDF: 5120457.3/26

All: 0.003+/-0.000 χ^2/NDF: 9997142.8/55

- sign 0.002+/-0.000 χ^2/NDF: 4869081.1/28



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.021+/-0.020 χ^2/NDF:17.0/10

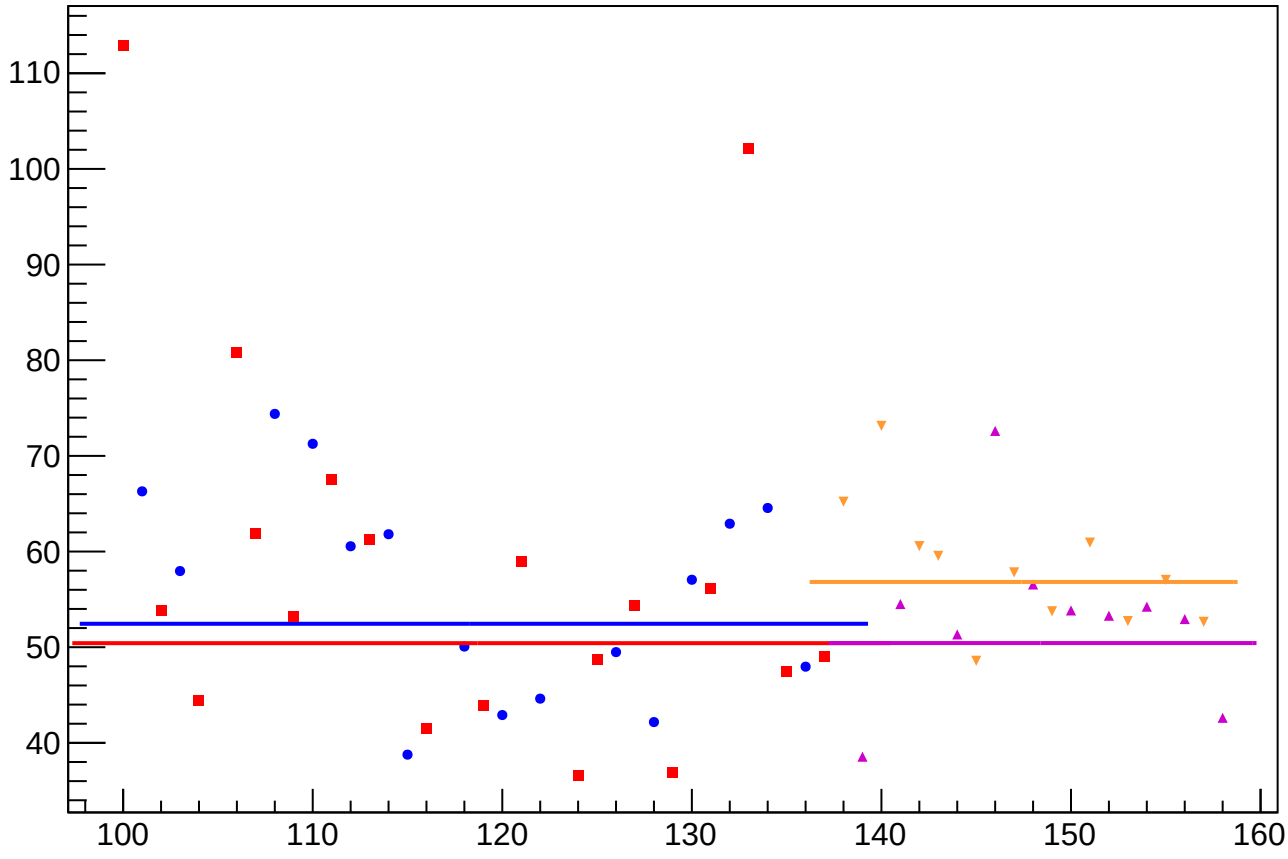
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.007+/-0.018 χ^2/NDF:17.3/9

\+ sign 0.024+/-0.014 χ^2/NDF: 26.9/26

All: 0.011+/-0.010 χ^2/NDF: 60.0/55

\- sign 0.000+/-0.013 χ^2/NDF: 31.6/28



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 56.822+/-0.014 χ^2/NDF:181102.9/10

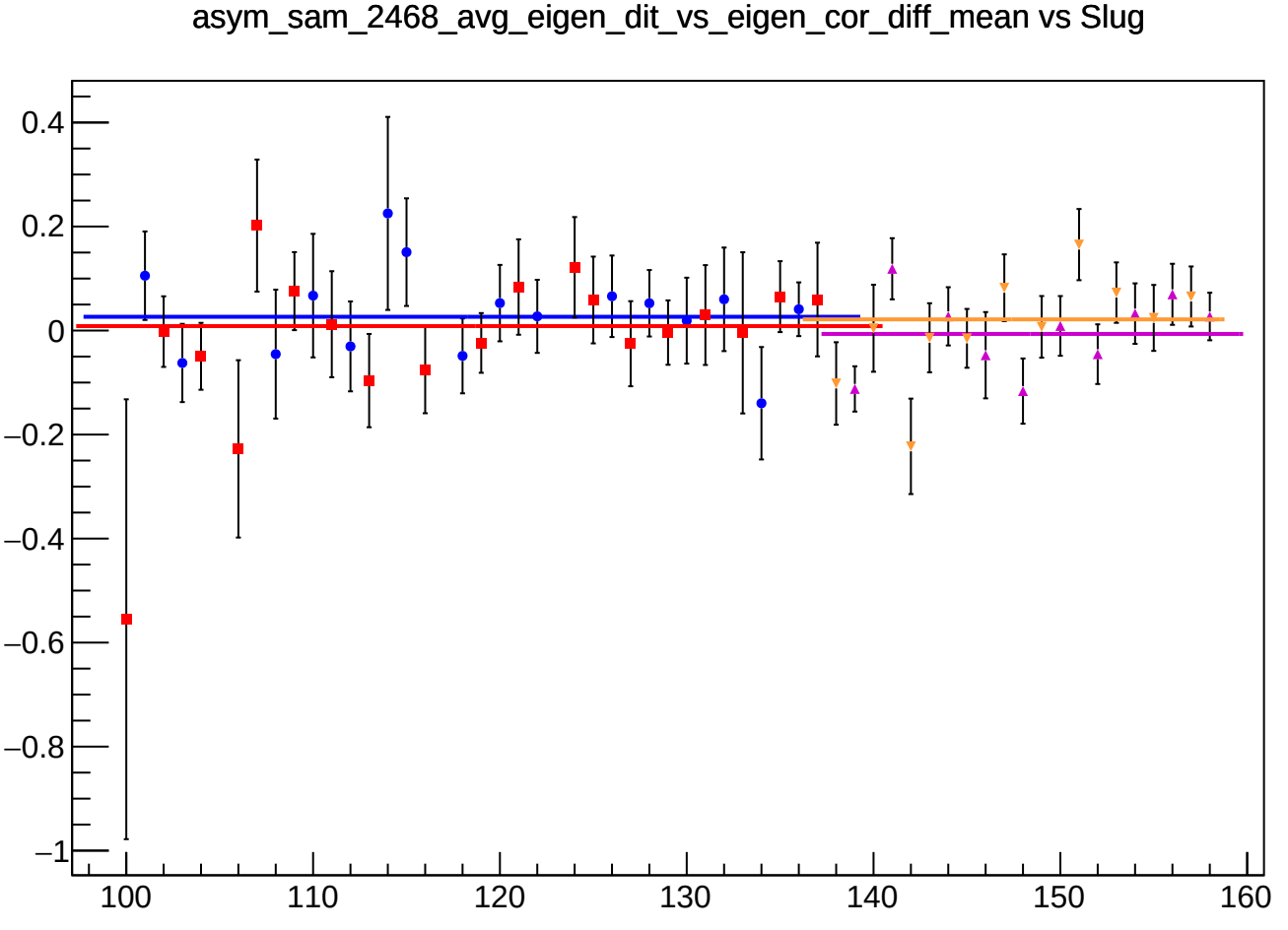
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 50.434+/-0.012 χ^2/NDF:403575.8/9

+ sign 54.699+/-0.010 χ^2/NDF: 646335.1/26

All: 52.387+/-0.007 χ^2/NDF: 1824379.9/55

- sign 50.429+/-0.009 χ^2/NDF: 1080329.8/28



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.021+/-0.020 χ^2/NDF:17.0/10

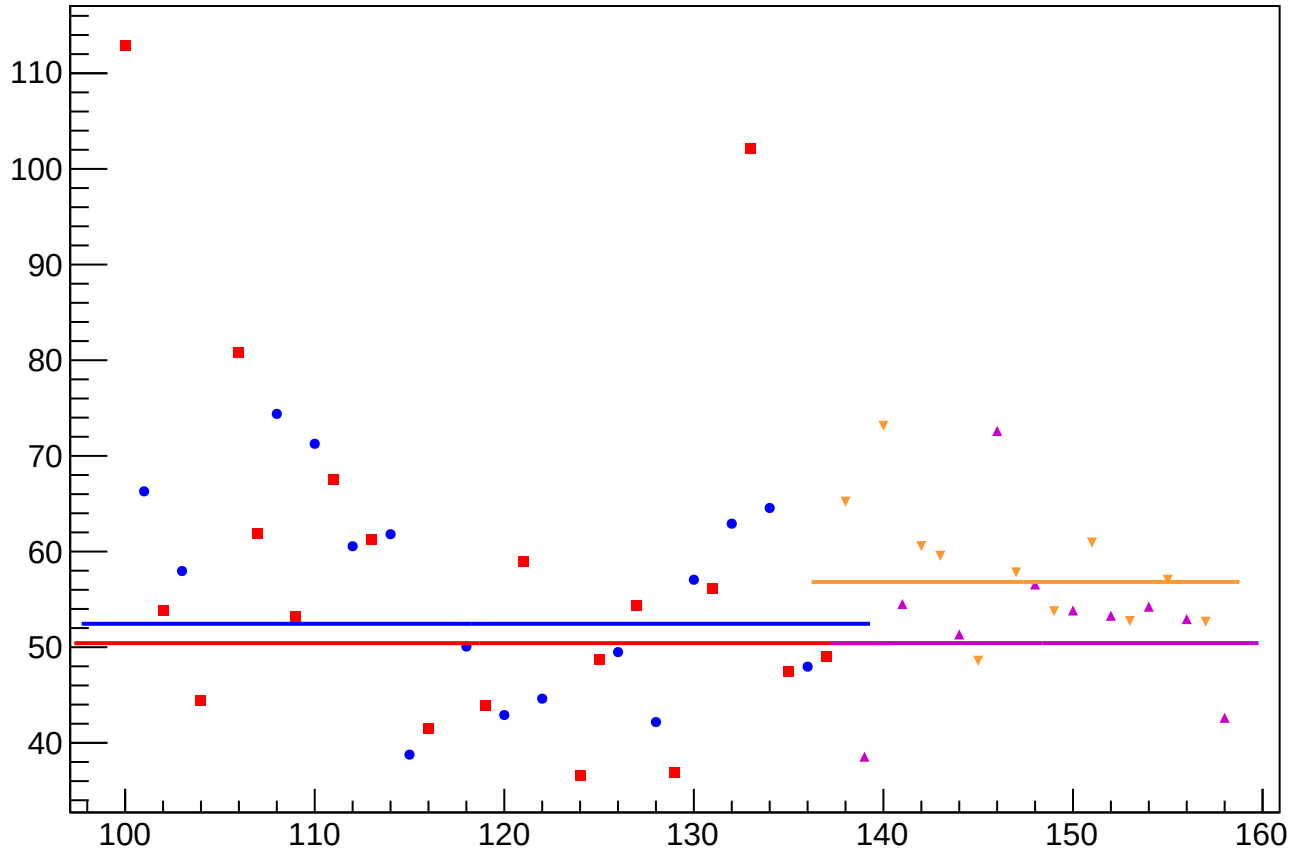
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.007+/-0.018 χ^2/NDF:17.3/9

+ sign 0.024+/-0.014 χ^2/NDF: 26.9/26

All: 0.011+/-0.010 χ^2/NDF: 60.0/55

- sign 0.000+/-0.013 χ^2/NDF: 31.6/28



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 56.822+/-0.014 χ^2/NDF:181102.9/10

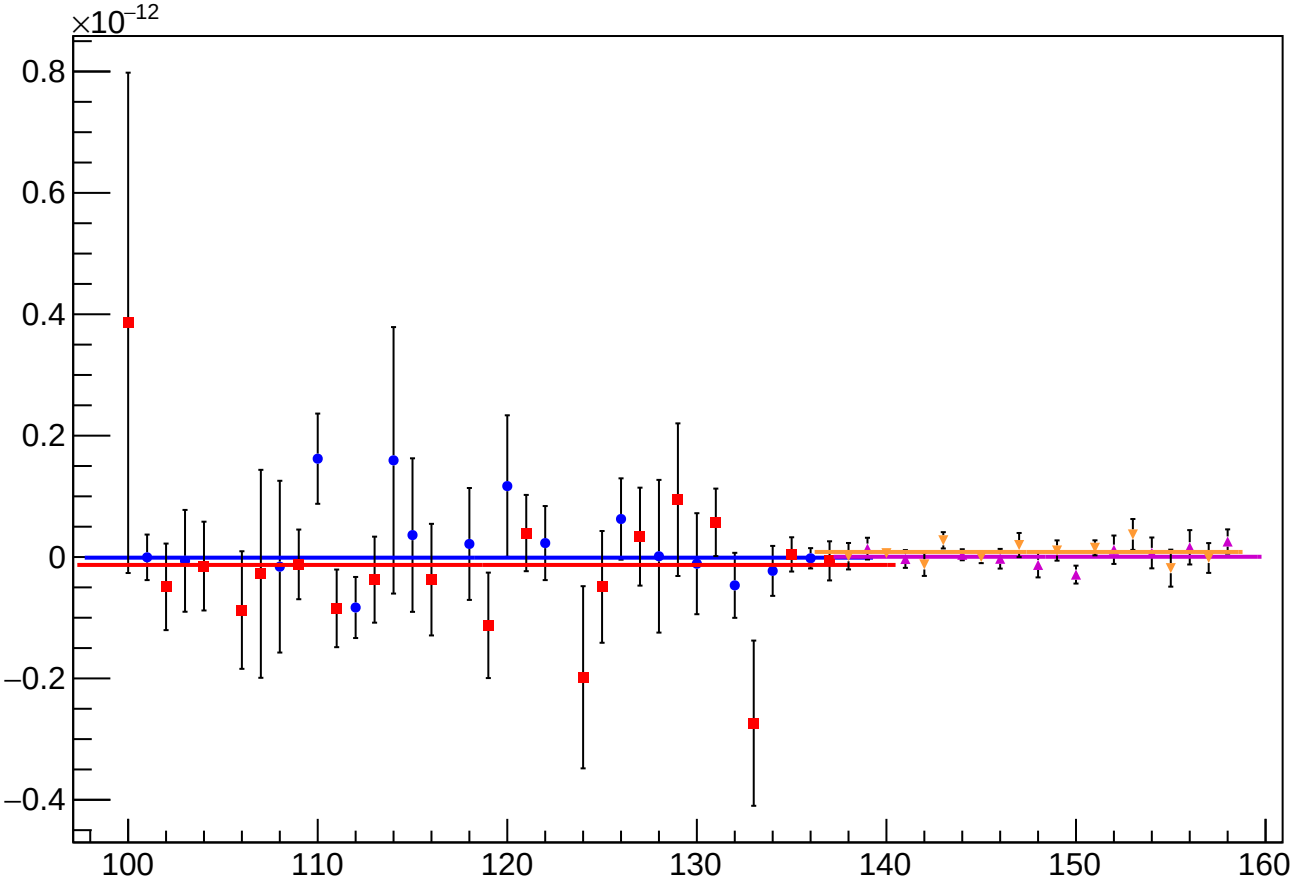
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 50.434+/-0.012 χ^2/NDF:403575.8/9

+ sign 54.699+/-0.010 χ^2/NDF: 646335.1/26

All: 52.387+/-0.007 χ^2/NDF: 1824379.9/55

- sign 50.429+/-0.009 χ^2/NDF: 1080329.8/28



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.9/10

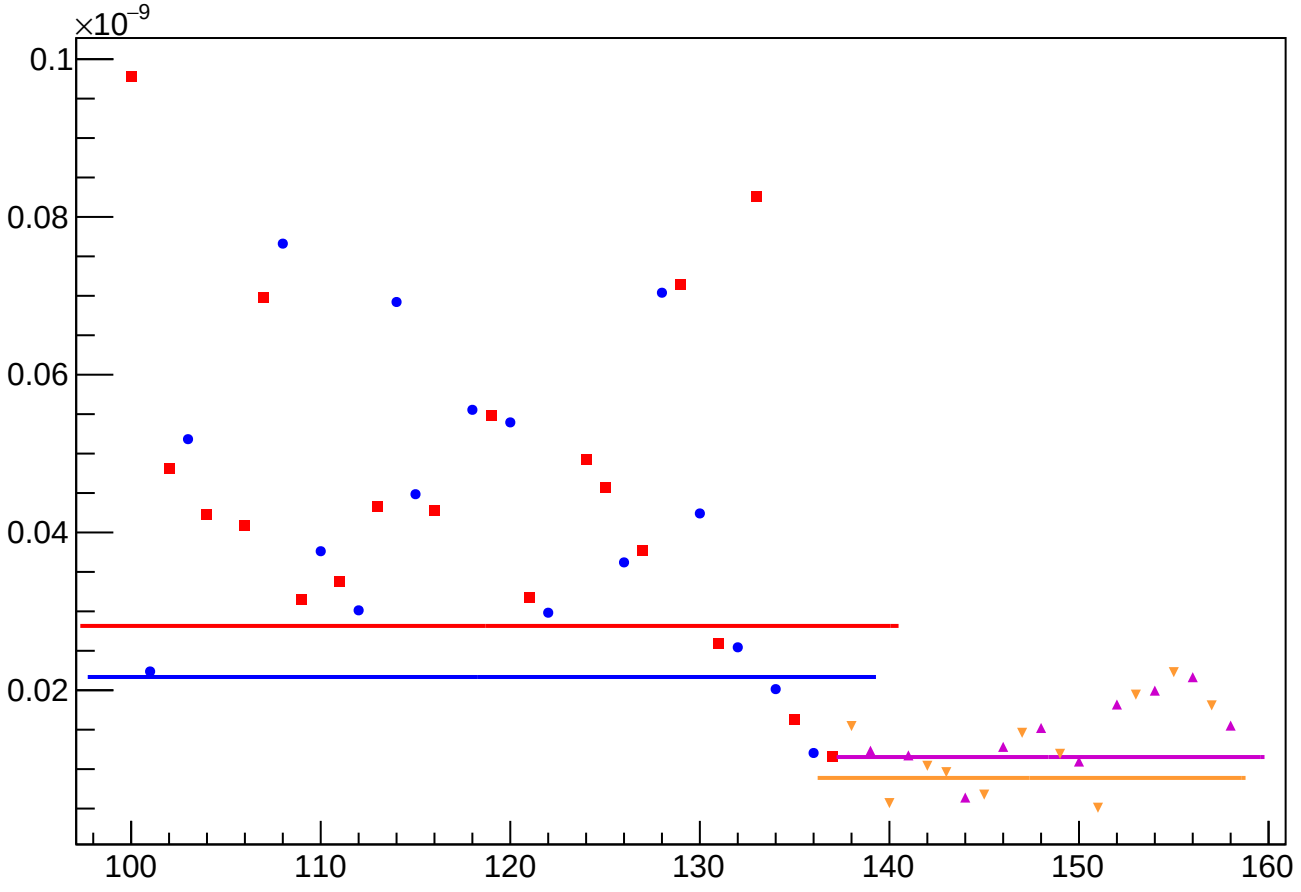
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/18

Left In: 0.000+/-0.000 χ^2/NDF:7.4/9

+ sign 0.000+/-0.000 χ^2/NDF: 18.8/26

All: 0.000+/-0.000 χ^2/NDF: 42.3/55

- sign -0.000+/-0.000 χ^2/NDF: 21.8/28



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2025410.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

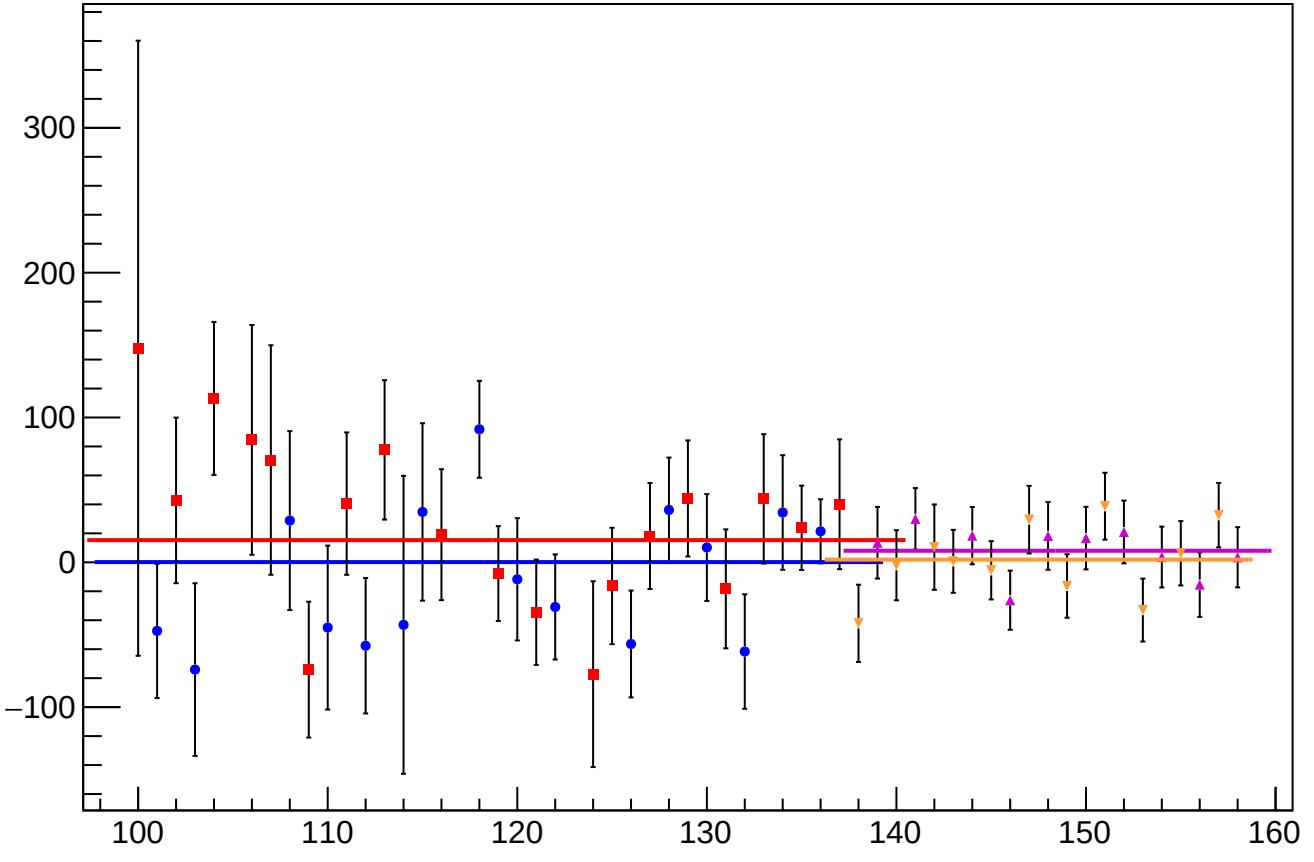
Left In: 0.000+/-0.000 χ^2/NDF:1440063.1/9

+ sign 0.000+/-0.000 χ^2/NDF: 6560545.2/26

All: 0.000+/-0.000 χ^2/NDF: 13162015.0/55

- sign 0.000+/-0.000 χ^2/NDF: 6155418.5/28

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: 1.856+/-6.932 χ^2/NDF:12.1/10

Right Out: 15.333+/-10.267 χ^2/NDF: 17.9/18

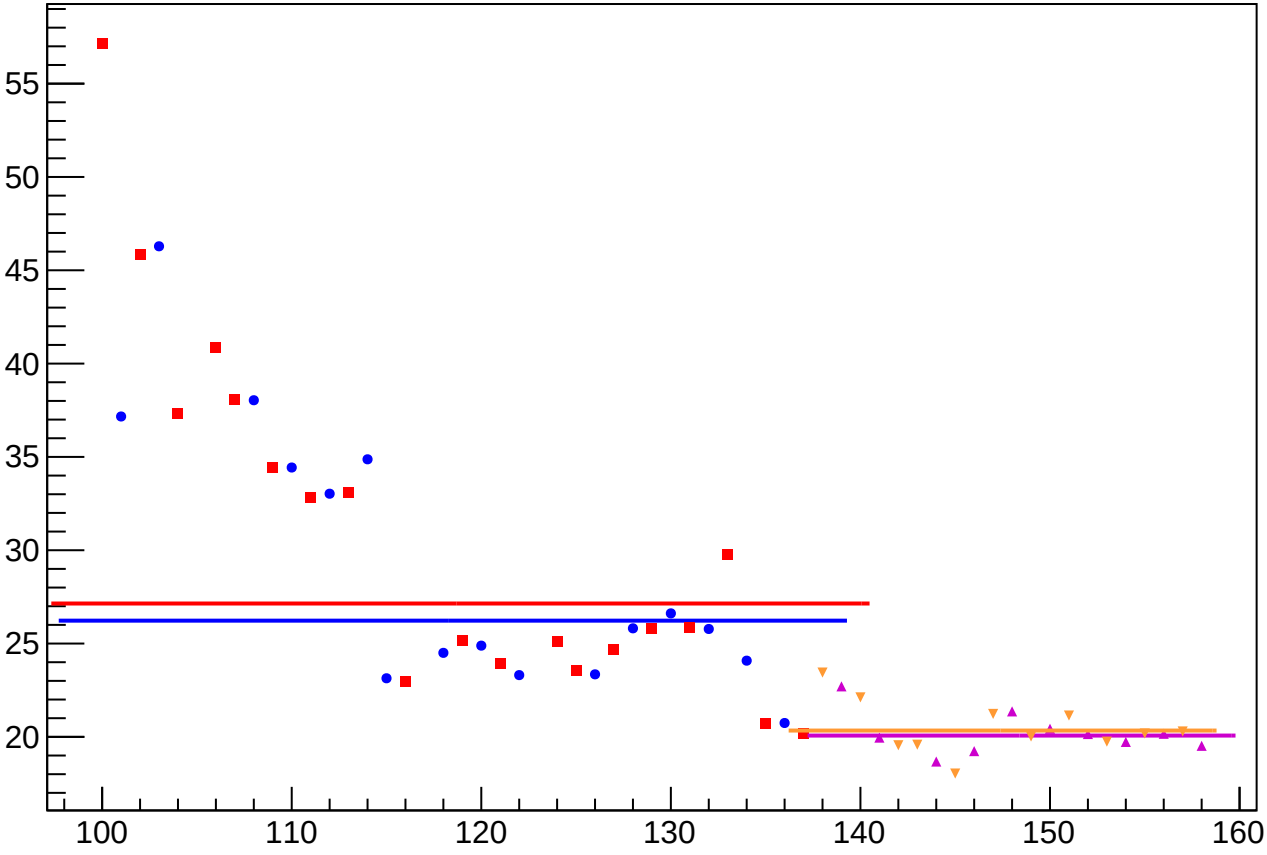
Left In: 7.986+/-6.821 χ^2/NDF:6.1/9

+ sign 1.307+/-5.706 χ^2/NDF: 33.5/26

All: 5.791+/-4.026 χ^2/NDF: 59.1/55

- sign 10.235+/-5.681 χ^2/NDF: 24.4/28

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 20.338+/-0.005 χ^2/NDF:75340.6/10

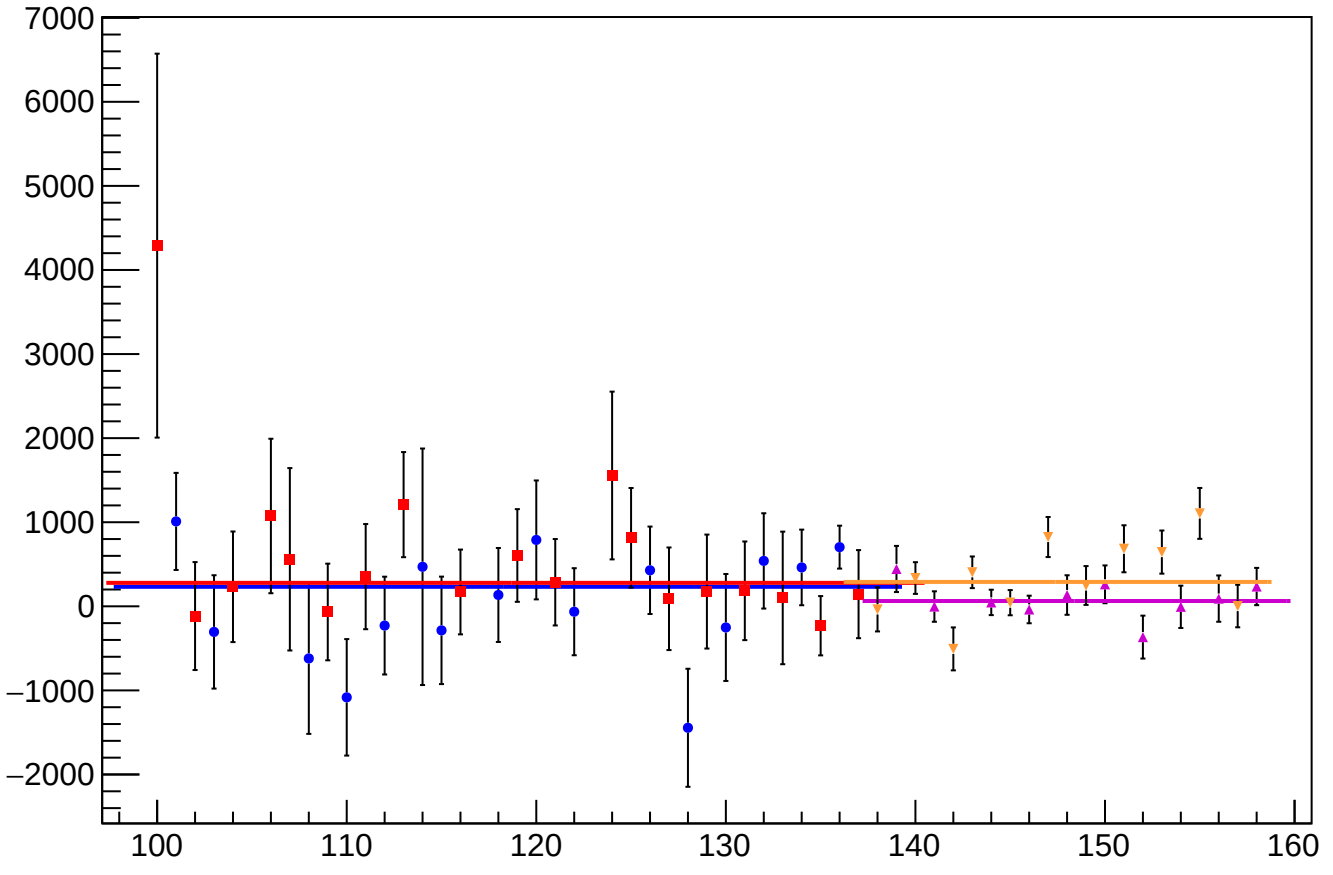
Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 20.069+/-0.005 χ^2/NDF:44697.0/9

+ sign 22.237+/-0.004 χ^2/NDF: 1216772.1/26

All: 22.237+/-0.003 χ^2/NDF: 2675969.0/55

- sign 22.236+/-0.004 χ^2/NDF: 1459196.8/28



Right In: 232.092+/-134.871 χ^2/NDF: 19.6/15

Left Out: 290.132+/-67.145 χ^2/NDF:31.9/10

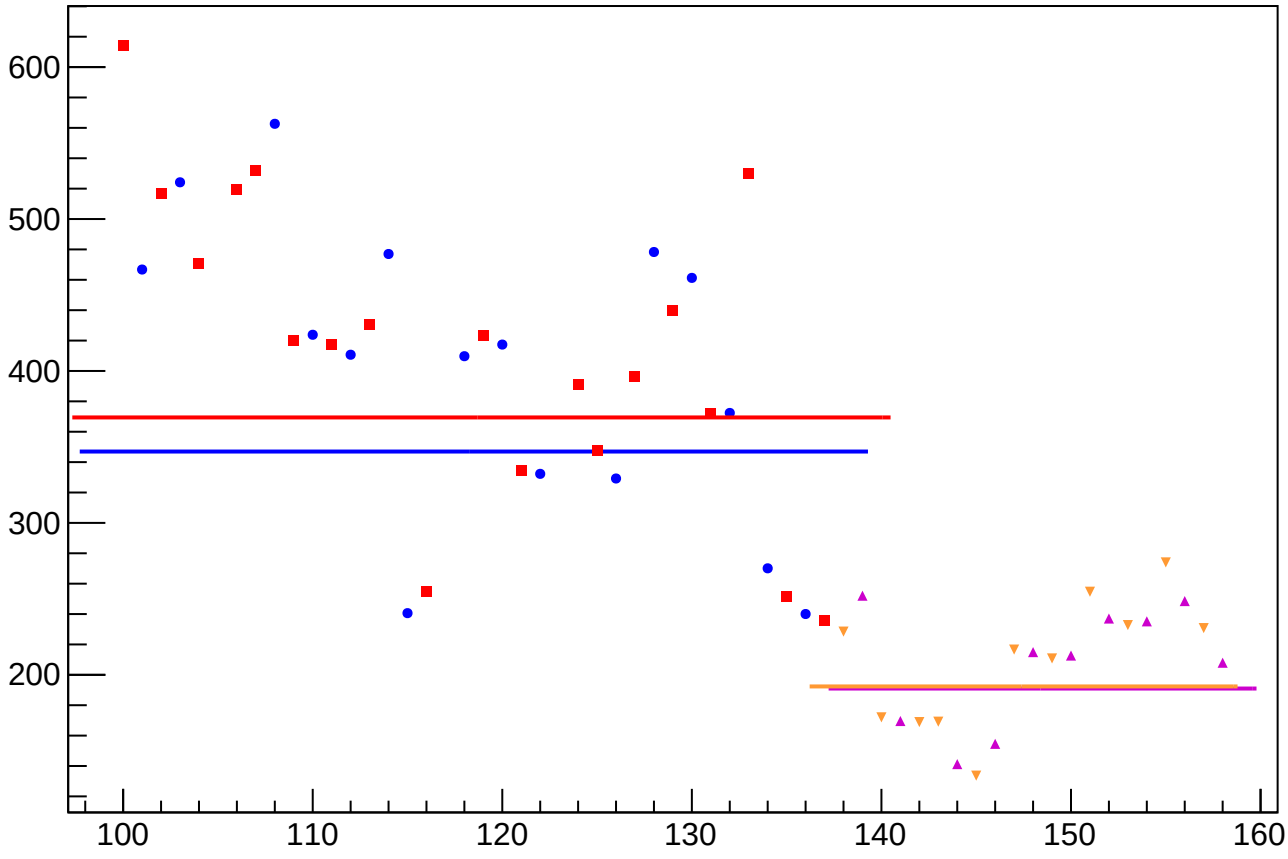
Right Out: 279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: 63.050+/-66.316 χ^2/NDF:6.8/9

+ sign 278.604+/-60.108 χ^2/NDF: 51.7/26

All: 190.365+/-42.440 χ^2/NDF: 76.9/55

- sign 102.649+/-59.930 χ^2/NDF: 20.9/28



Right In: 346.969+/-0.095 χ^2/NDF: 1058029.4/15

Left Out: 192.359+/-0.047 χ^2/NDF:789996.1/10

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

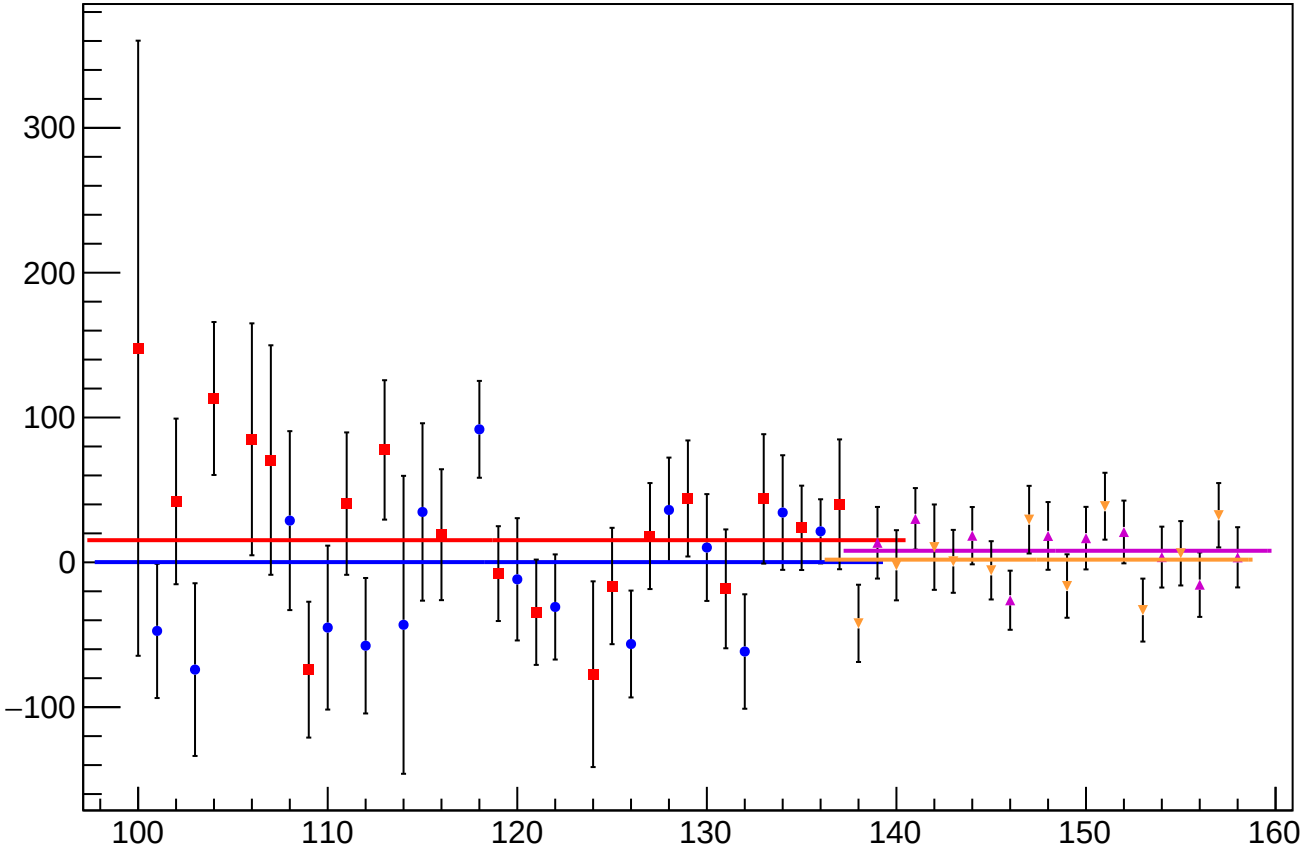
Left In: 190.979+/-0.047 χ^2/NDF:708243.4/9

+ sign 223.068+/-0.043 χ^2/NDF: 3954263.7/26

All: 223.381+/-0.030 χ^2/NDF: 8235930.5/55

- sign 223.692+/-0.042 χ^2/NDF: 4281558.8/28

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 1.854+/-6.932 χ^2/NDF:12.1/10

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

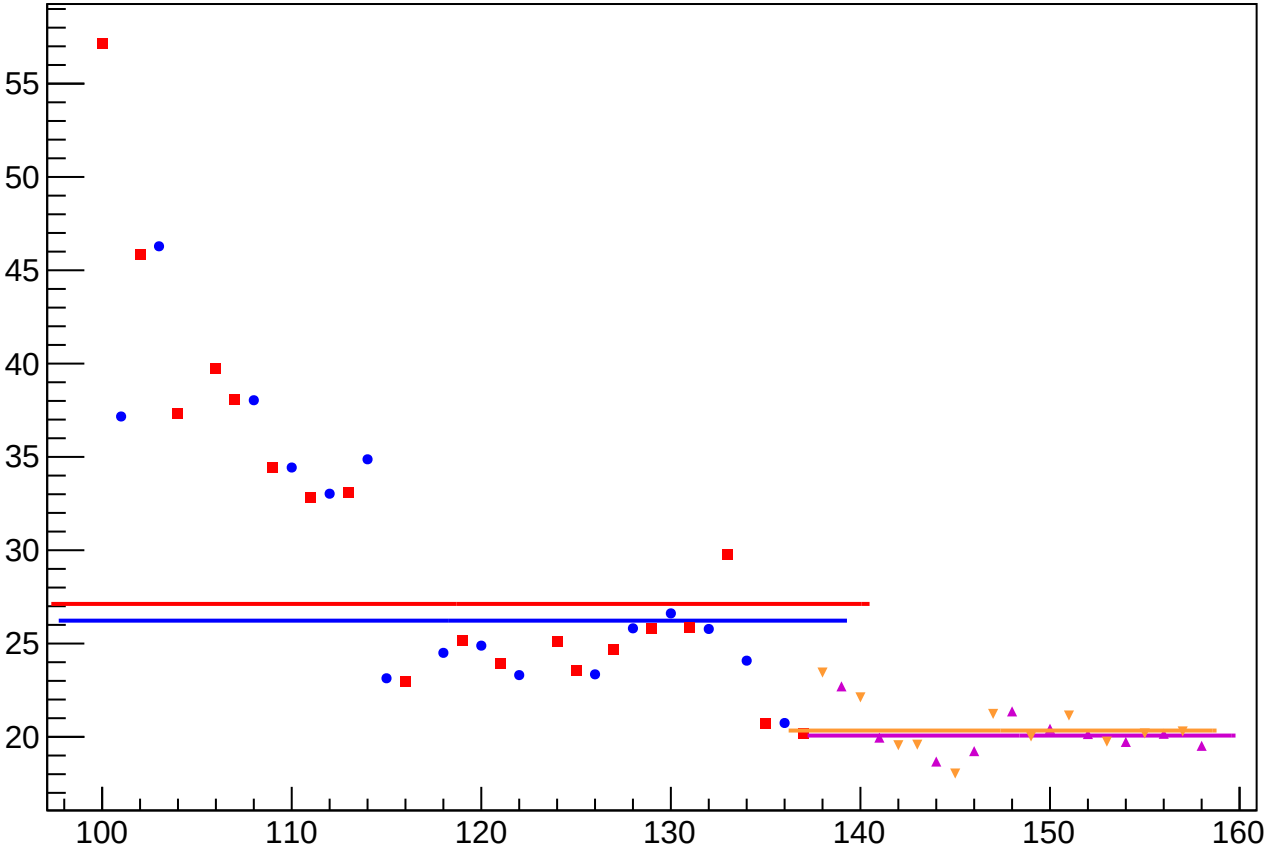
Left In: 7.987+/-6.821 χ^2/NDF:6.1/9

+ sign 1.307+/-5.706 χ^2/NDF: 33.5/26

All: 5.784+/-4.026 χ^2/NDF: 59.1/55

- sign 10.223+/-5.682 χ^2/NDF: 24.4/28

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.338+/-0.005 χ^2/NDF:75340.6/10

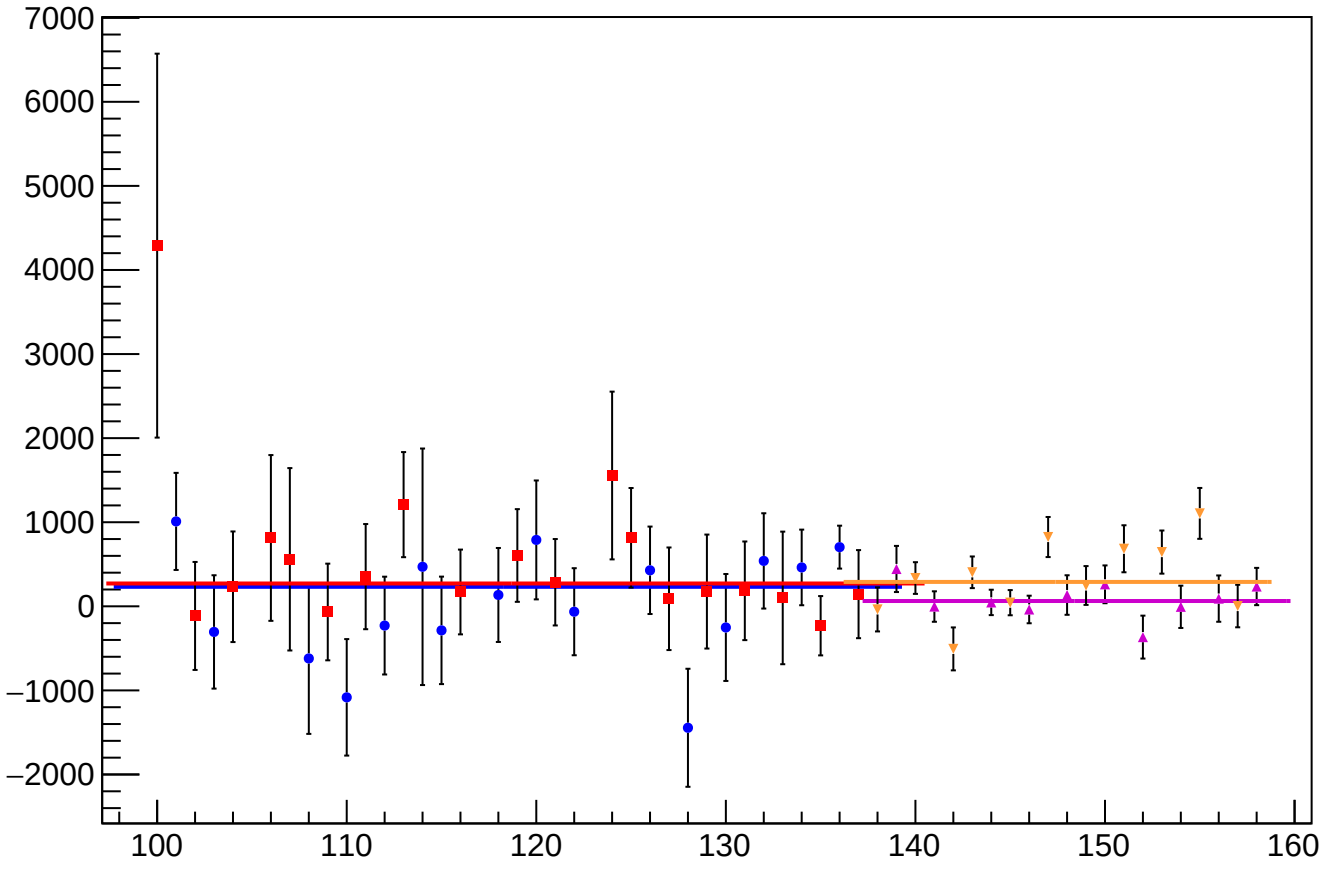
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.069+/-0.005 χ^2/NDF:44697.0/9

+ sign 22.237+/-0.004 χ^2/NDF: 1216775.5/26

All: 22.233+/-0.003 χ^2/NDF: 2662003.3/55

- sign 22.229+/-0.004 χ^2/NDF: 1445225.5/28



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 290.130+/-67.145 χ^2/NDF:31.9/10

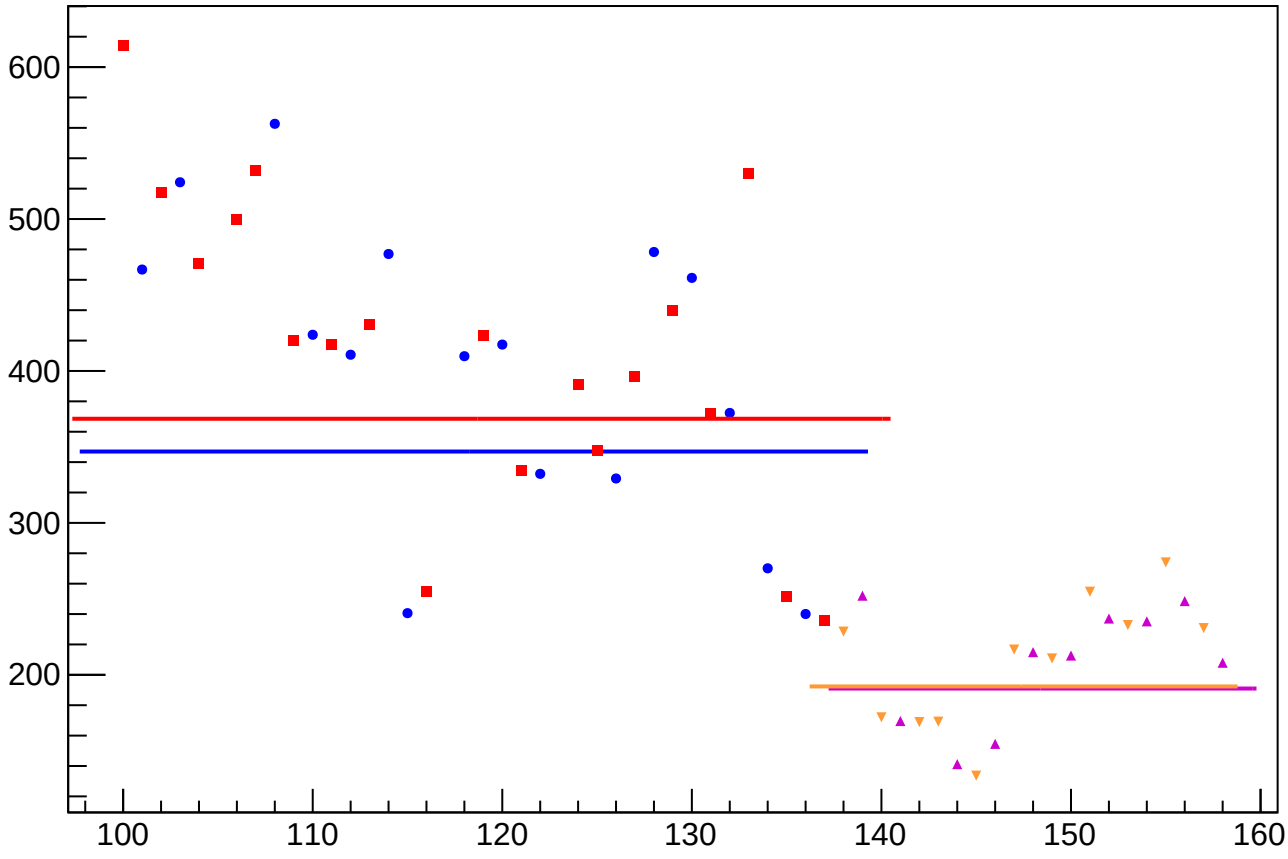
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 63.051+/-66.316 χ^2/NDF:6.8/9

+ sign 278.601+/-60.108 χ^2/NDF: 51.7/26

All: 189.639+/-42.446 χ^2/NDF: 76.4/55

- sign 101.154+/-59.947 χ^2/NDF: 20.3/28



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 192.359+/-0.047 χ^2/NDF:789999.4/10

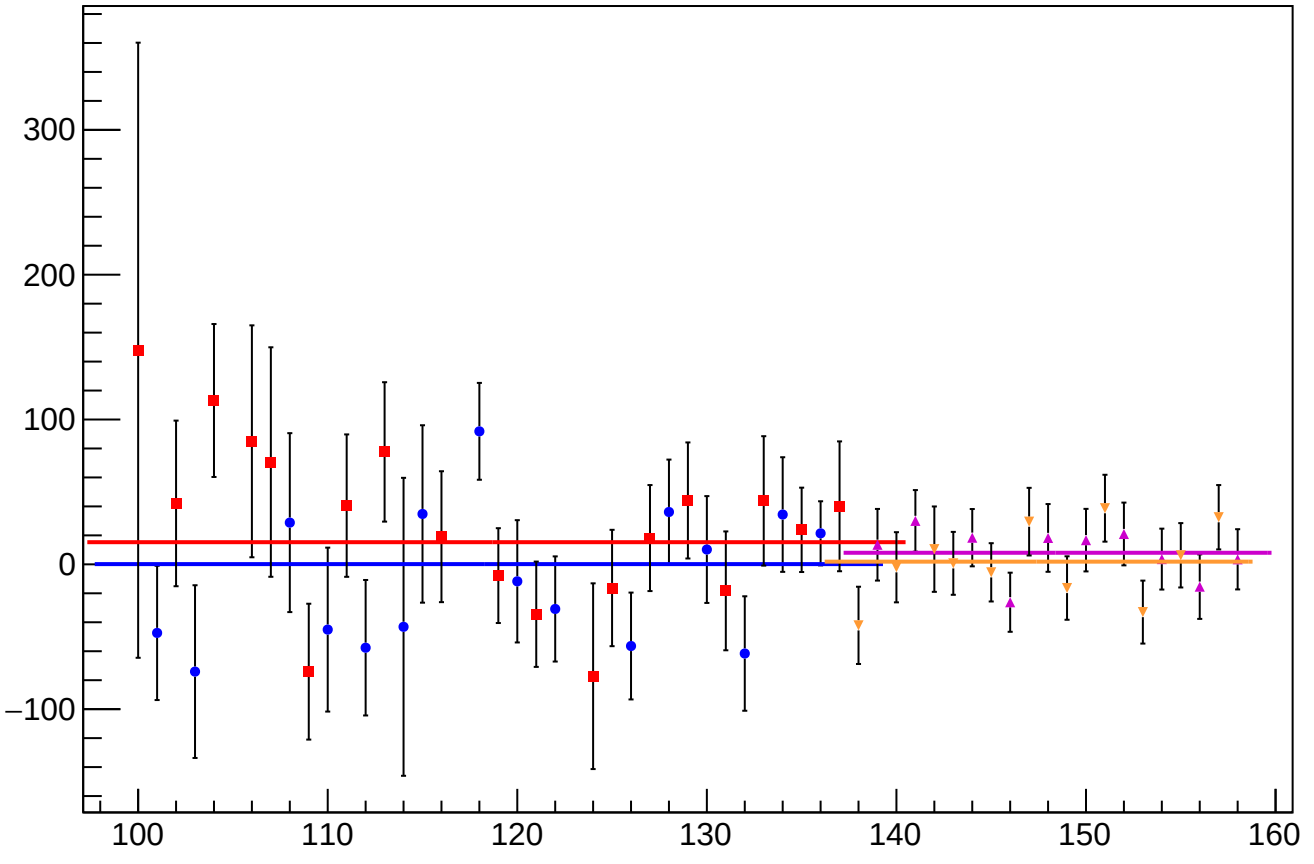
Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 190.979+/-0.047 χ^2/NDF:708241.3/9

+ sign 223.068+/-0.043 χ^2/NDF: 3954297.8/26

All: 223.260+/-0.030 χ^2/NDF: 8184862.7/55

- sign 223.450+/-0.042 χ^2/NDF: 4230524.2/28



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 1.854+/-6.932 χ^2/NDF:12.1/10

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

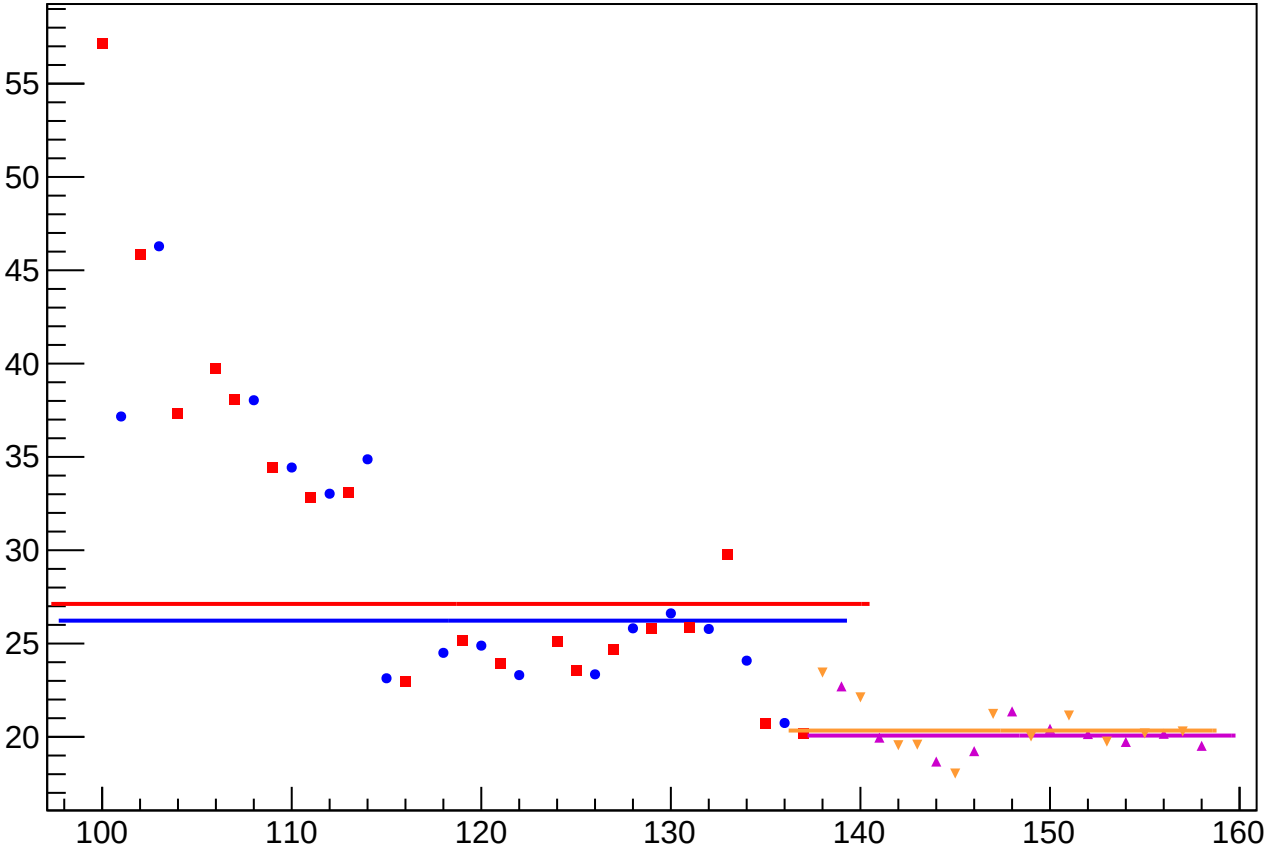
Left In: 7.987+/-6.821 χ^2/NDF:6.1/9

+ sign 1.307+/-5.706 χ^2/NDF: 33.5/26

All: 5.784+/-4.026 χ^2/NDF: 59.1/55

- sign 10.223+/-5.682 χ^2/NDF: 24.4/28

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.338+/-0.005 χ^2/NDF:75340.6/10

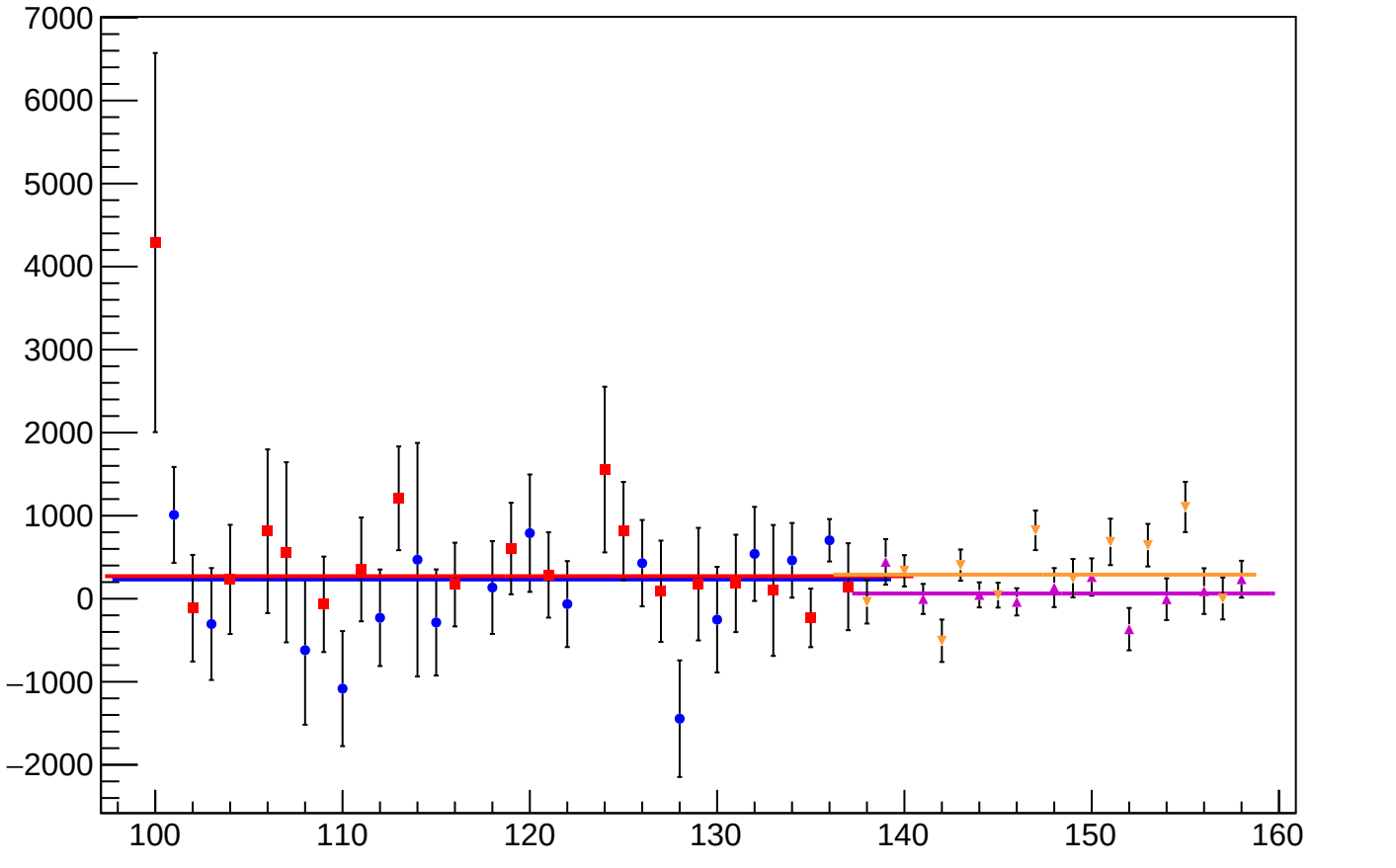
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.069+/-0.005 χ^2/NDF:44697.0/9

+ sign 22.237+/-0.004 χ^2/NDF: 1216775.5/26

All: 22.233+/-0.003 χ^2/NDF: 2662003.3/55

- sign 22.229+/-0.004 χ^2/NDF: 1445225.5/28



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 290.130+/-67.145 χ^2/NDF:31.9/10

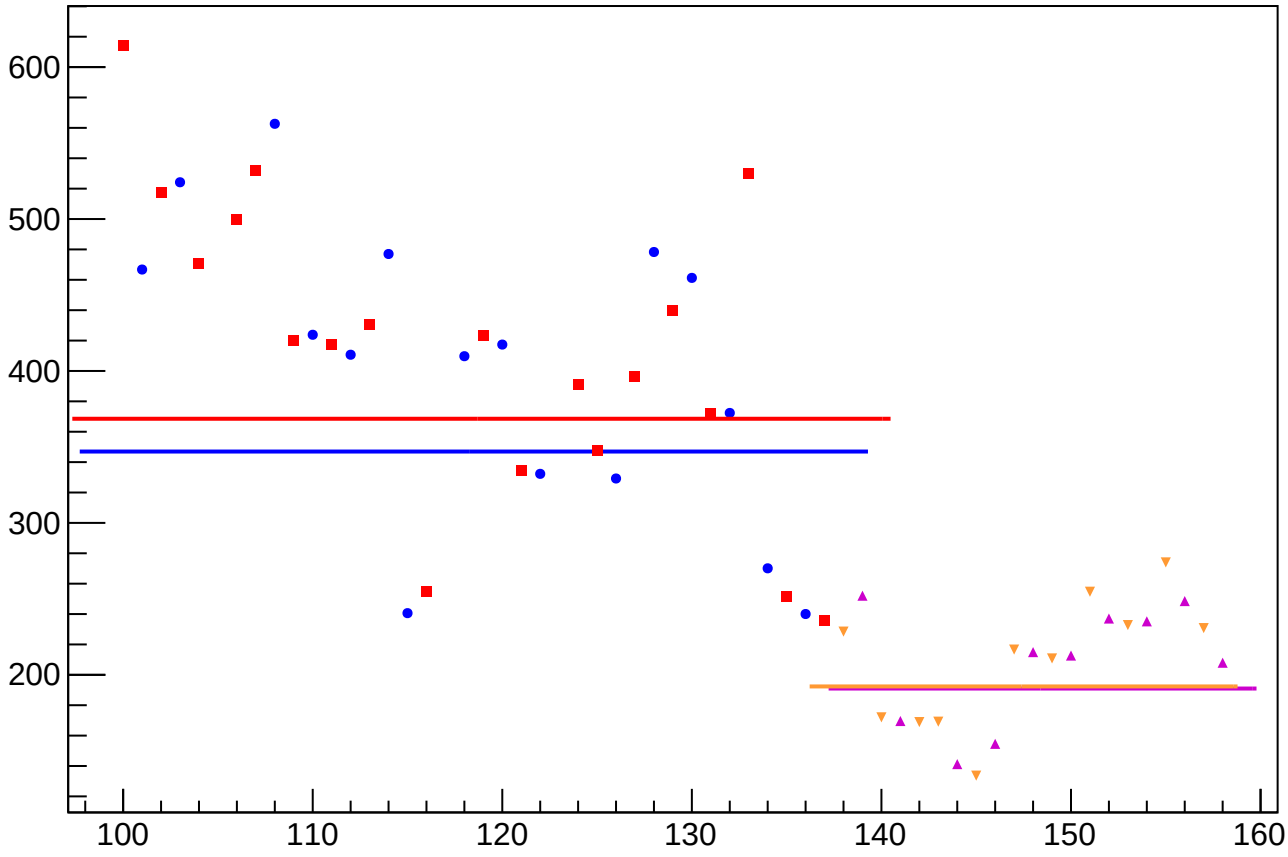
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 63.051+/-66.316 χ^2/NDF:6.8/9

+ sign 278.601+/-60.108 χ^2/NDF: 51.7/26

All: 189.639+/-42.446 χ^2/NDF: 76.4/55

- sign 101.154+/-59.947 χ^2/NDF: 20.3/28



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 192.359+/-0.047 χ^2/NDF:789999.4/10

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

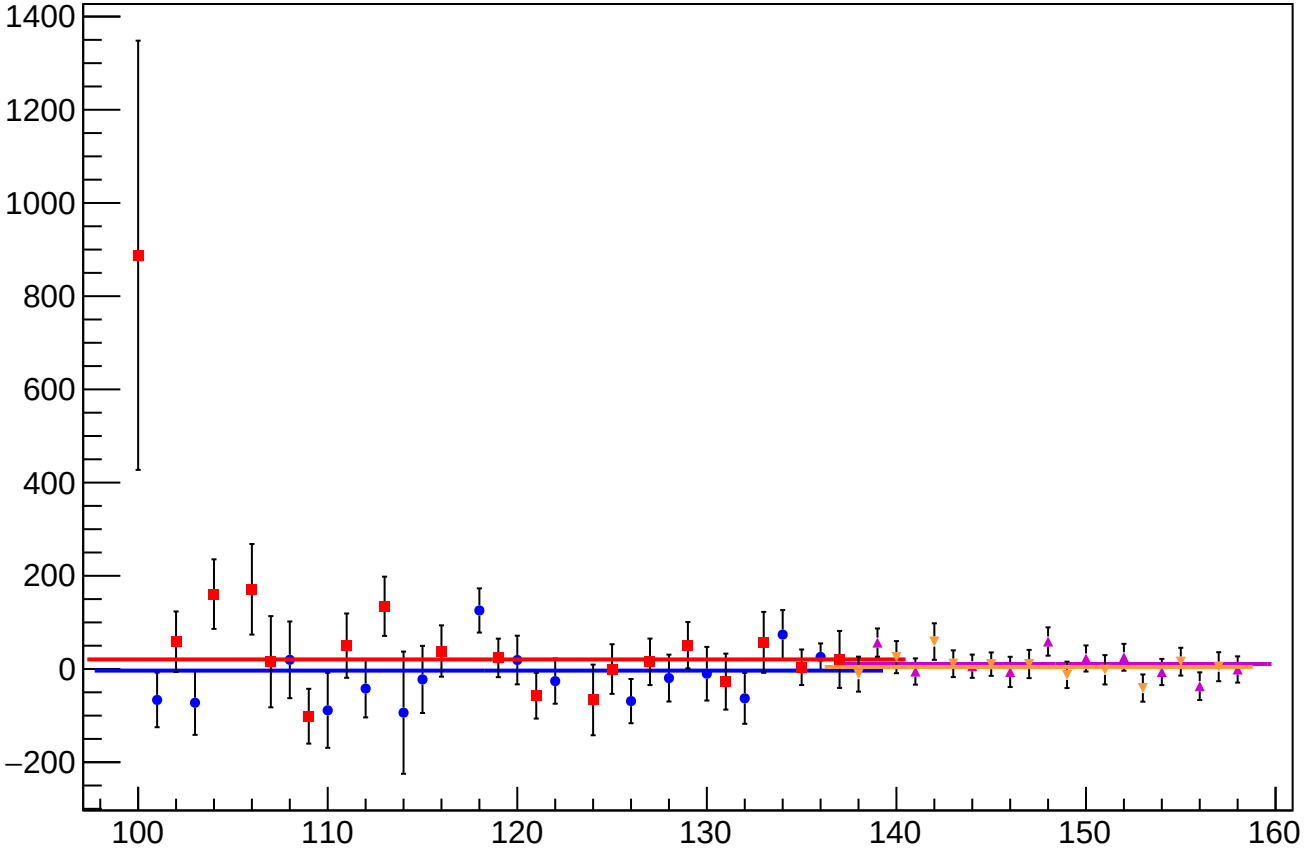
Left In: 190.979+/-0.047 χ^2/NDF:708241.3/9

+ sign 223.068+/-0.043 χ^2/NDF: 3954297.8/26

All: 223.260+/-0.030 χ^2/NDF: 8184862.7/55

- sign 223.450+/-0.042 χ^2/NDF: 4230524.2/28

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 4.421+/-9.252 χ^2/NDF:5.6/10

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

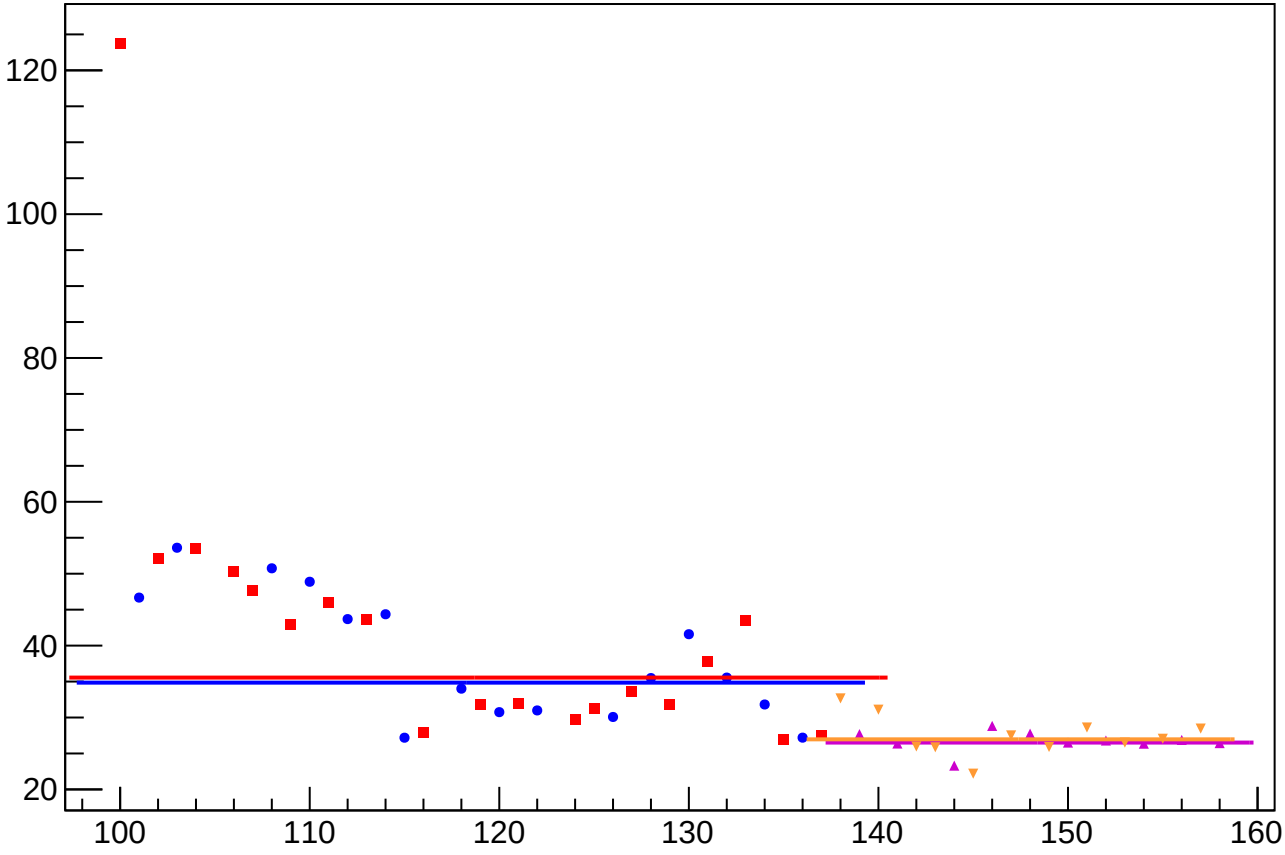
Left In: 10.762+/-9.082 χ^2/NDF:9.0/9

+ sign 1.886+/-7.612 χ^2/NDF: 24.3/26

All: 7.920+/-5.354 χ^2/NDF: 58.0/55

- sign 13.825+/-7.531 χ^2/NDF: 32.5/28

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 26.965+/-0.007 χ^2/NDF:165334.0/10

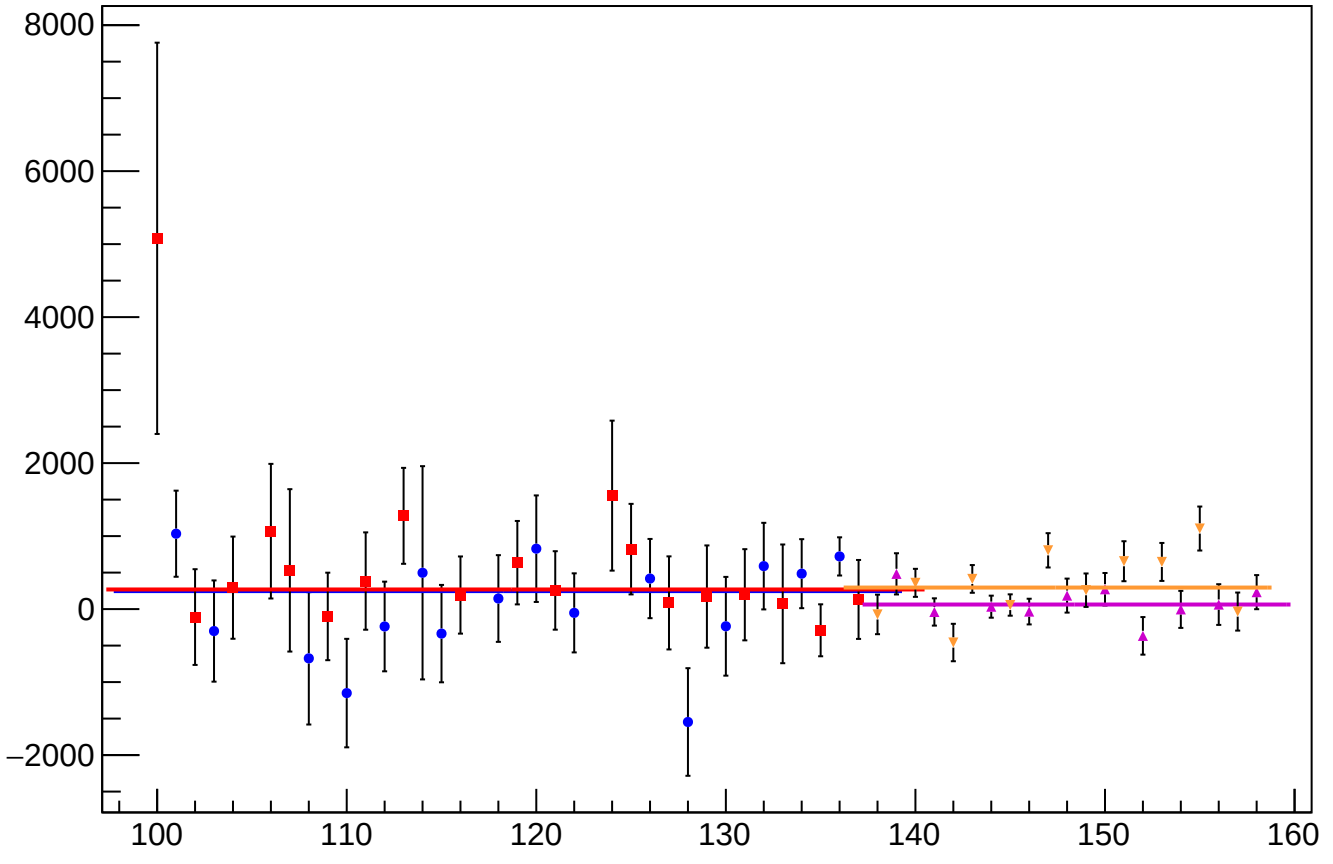
Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

Left In: 26.516+/-0.006 χ^2/NDF:50213.7/9

+ sign 29.512+/-0.005 χ^2/NDF: 1292864.6/26

All: 29.425+/-0.004 χ^2/NDF: 2742061.5/55

- sign 29.339+/-0.005 χ^2/NDF: 1448670.4/28



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 295.071+/-67.213 χ^2/NDF:30.7/10

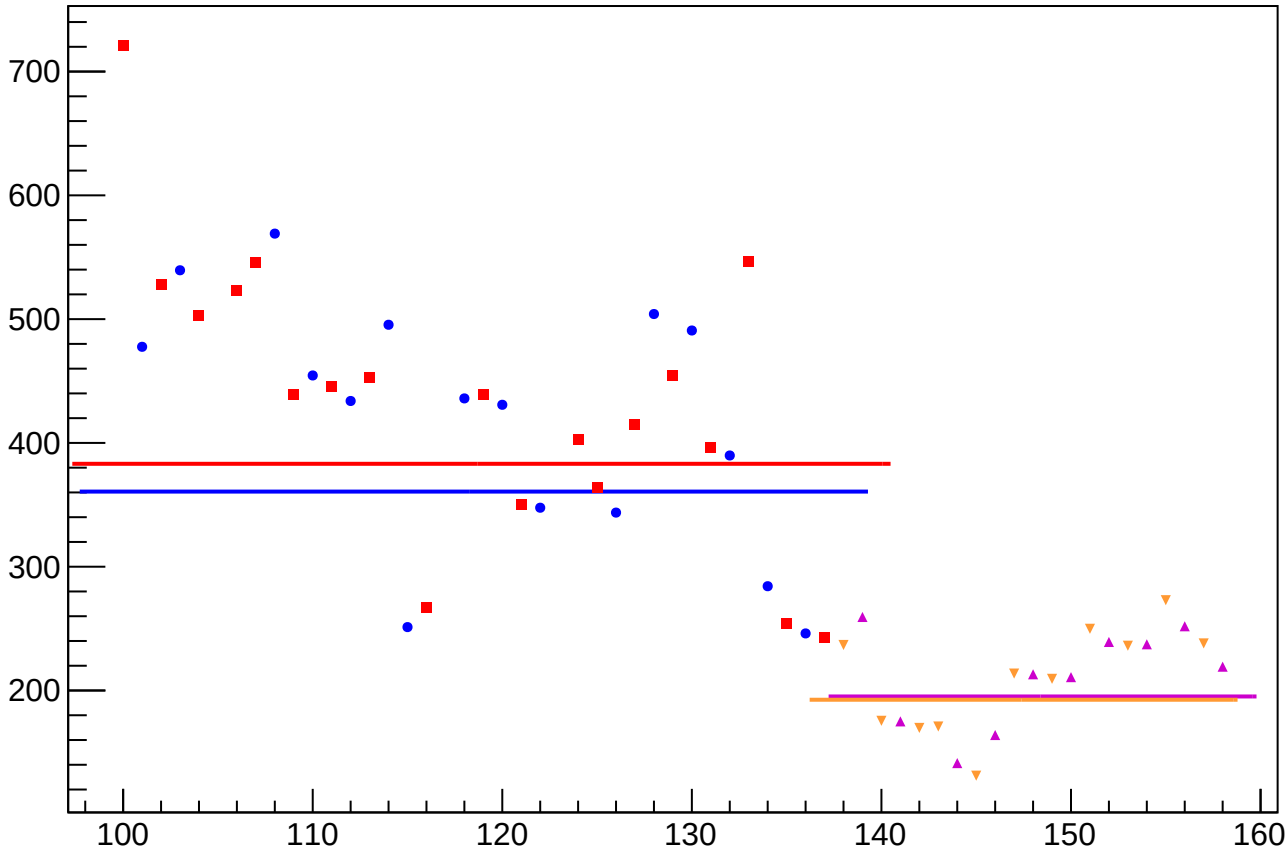
Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 62.679+/-67.768 χ^2/NDF:7.4/9

+ sign 286.003+/-60.614 χ^2/NDF: 50.6/26

All: 193.991+/-43.141 χ^2/NDF: 76.9/55

- sign 99.527+/-61.416 χ^2/NDF: 21.7/28



Right In: 360.692+/-0.099 χ^2/NDF: 1092760.6/15

Left Out: 192.534+/-0.048 χ^2/NDF:836434.4/10

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

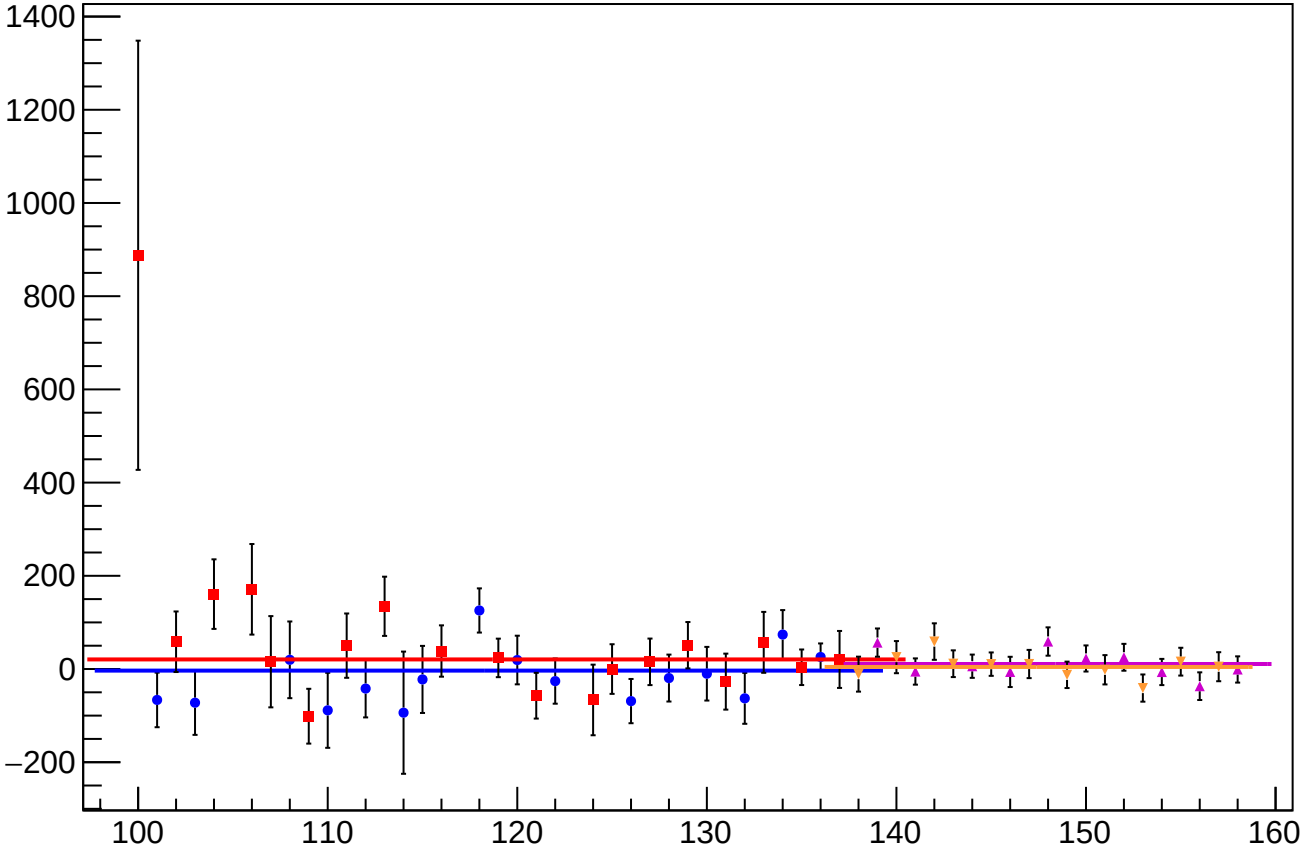
Left In: 195.179+/-0.048 χ^2/NDF:682759.7/9

+ sign 223.932+/-0.043 χ^2/NDF: 4266679.9/26

All: 226.315+/-0.031 χ^2/NDF: 8667613.1/55

- sign 228.761+/-0.043 χ^2/NDF: 4394670.1/28

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 4.421+/-9.253 χ^2/NDF:5.6/10

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

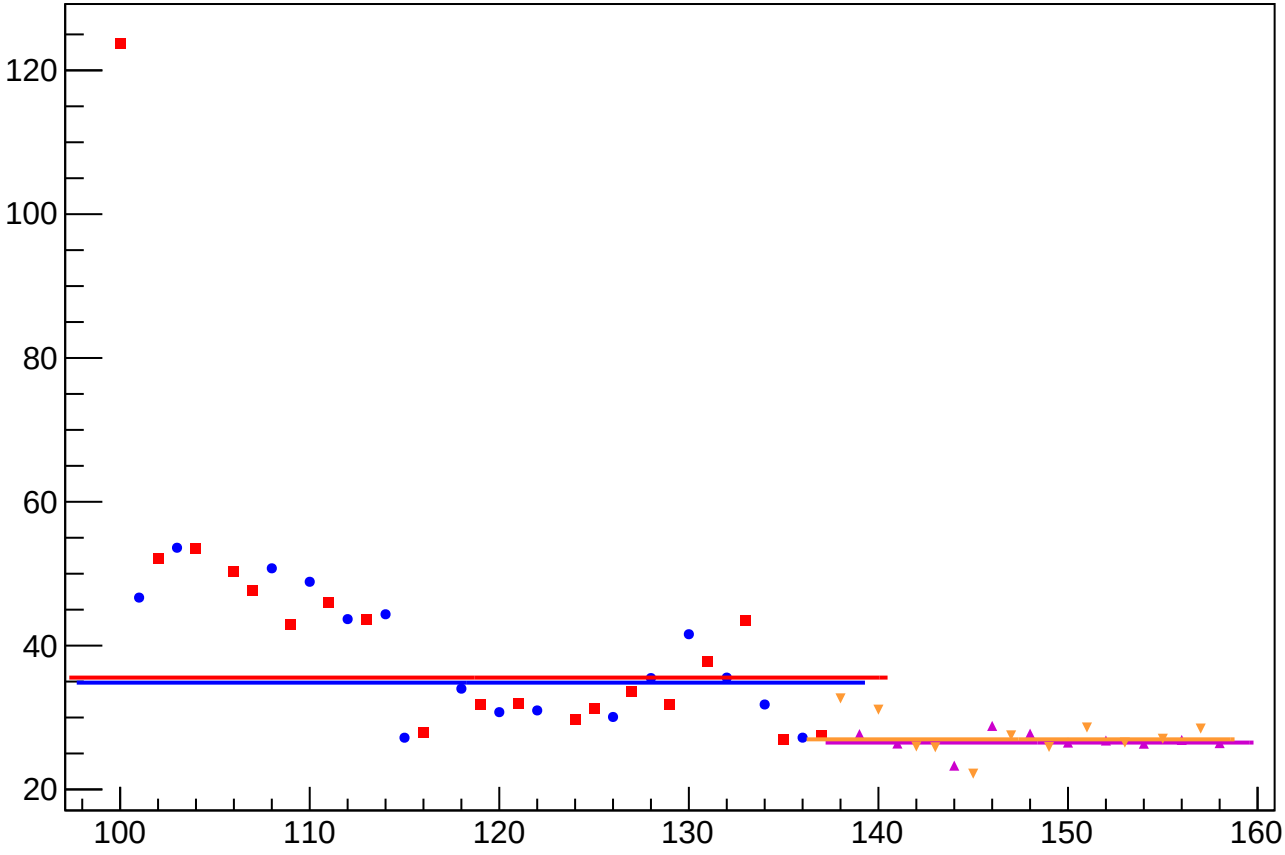
Left In: 10.762+/-9.082 χ^2/NDF:9.0/9

+ sign 1.886+/-7.612 χ^2/NDF: 24.3/26

All: 7.920+/-5.354 χ^2/NDF: 58.0/55

- sign 13.825+/-7.531 χ^2/NDF: 32.5/28

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 26.965+/-0.007 χ^2/NDF:165320.6/10

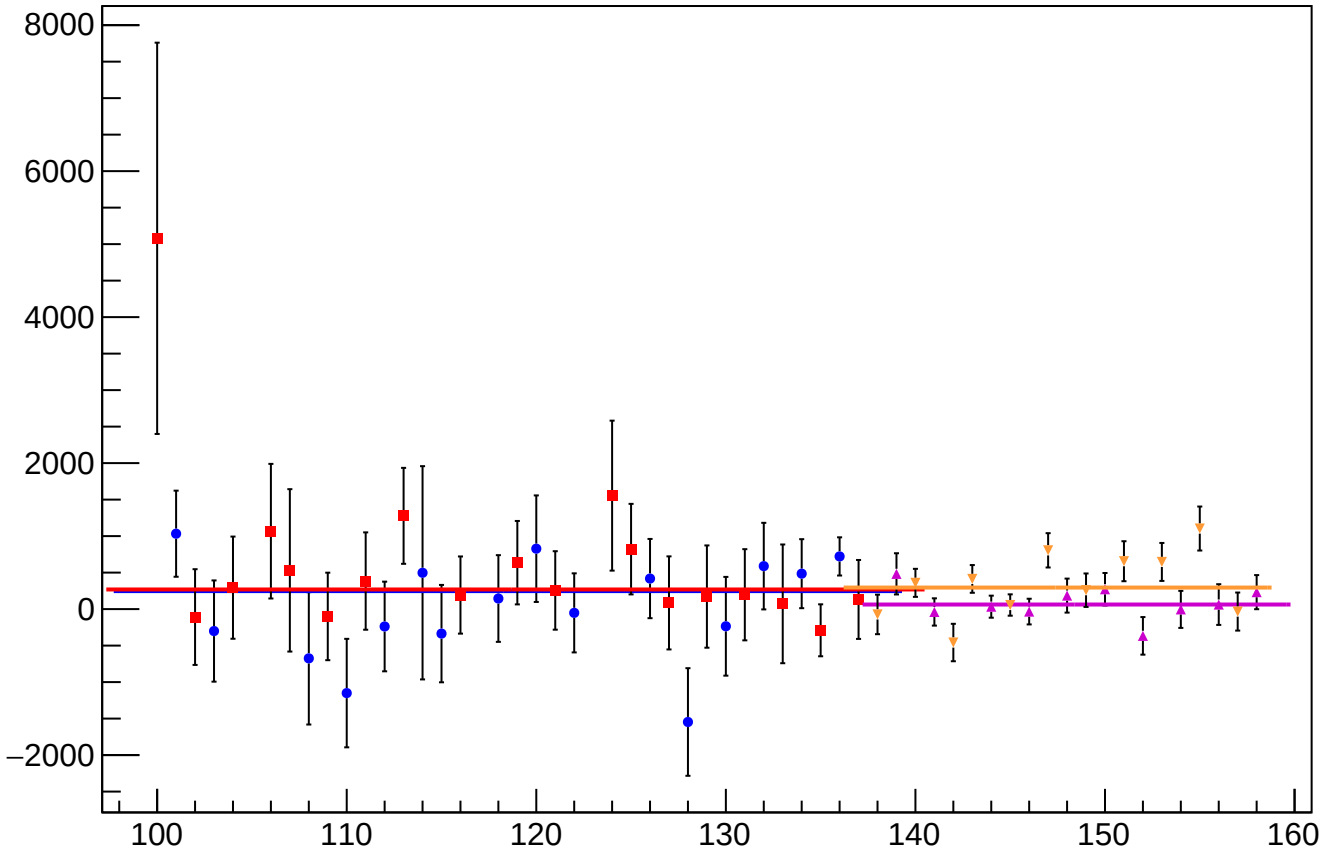
Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 26.516+/-0.006 χ^2/NDF:50210.3/9

+ sign 29.512+/-0.005 χ^2/NDF: 1292733.8/26

All: 29.425+/-0.004 χ^2/NDF: 2741843.9/55

- sign 29.339+/-0.005 χ^2/NDF: 1448583.5/28



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 295.070+/-67.213 χ^2/NDF:30.7/10

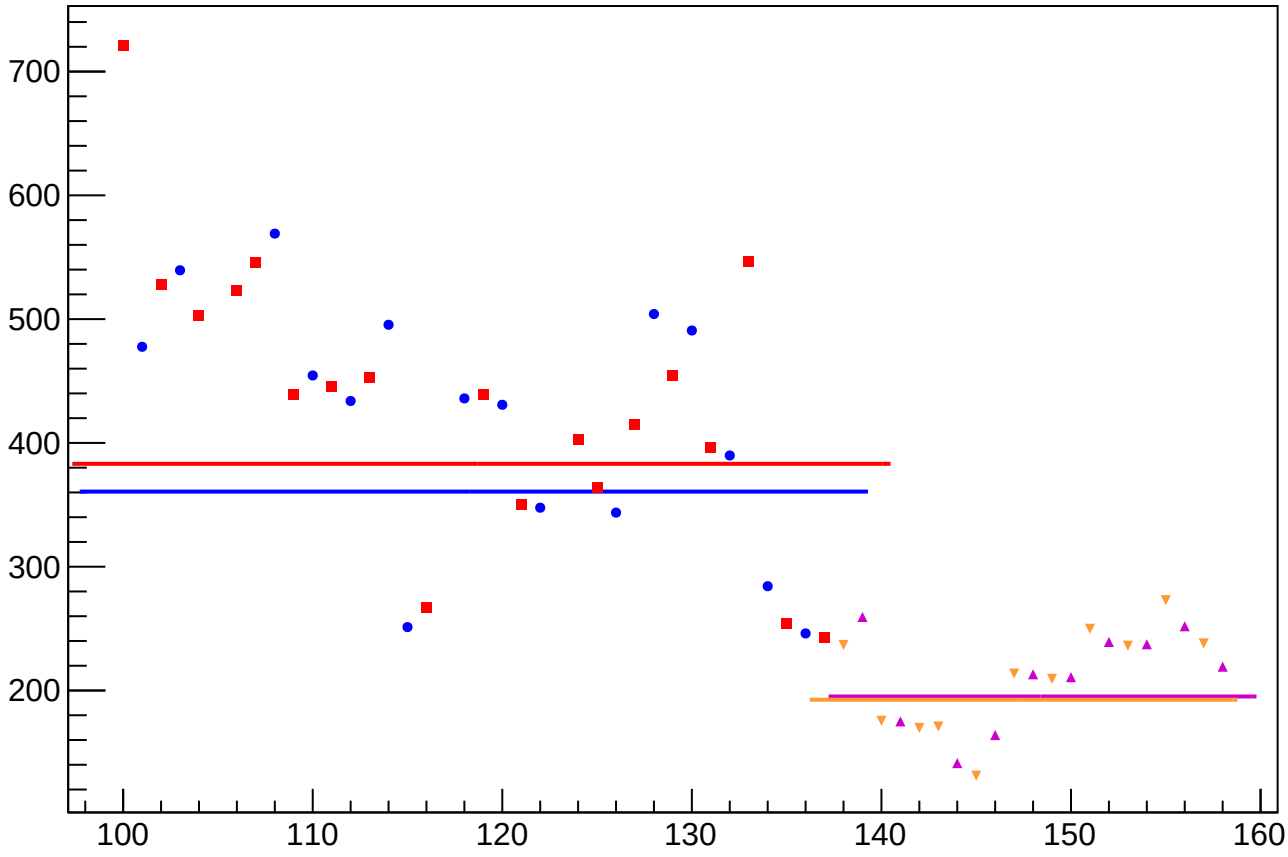
Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 62.679+/-67.768 χ^2/NDF:7.4/9

+ sign 286.002+/-60.614 χ^2/NDF: 50.6/26

All: 193.991+/-43.141 χ^2/NDF: 76.9/55

- sign 99.527+/-61.416 χ^2/NDF: 21.7/28



Right In: 360.691+/-0.099 χ^2/NDF: 1092752.5/15

Left Out: 192.533+/-0.048 χ^2/NDF:836453.3/10

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

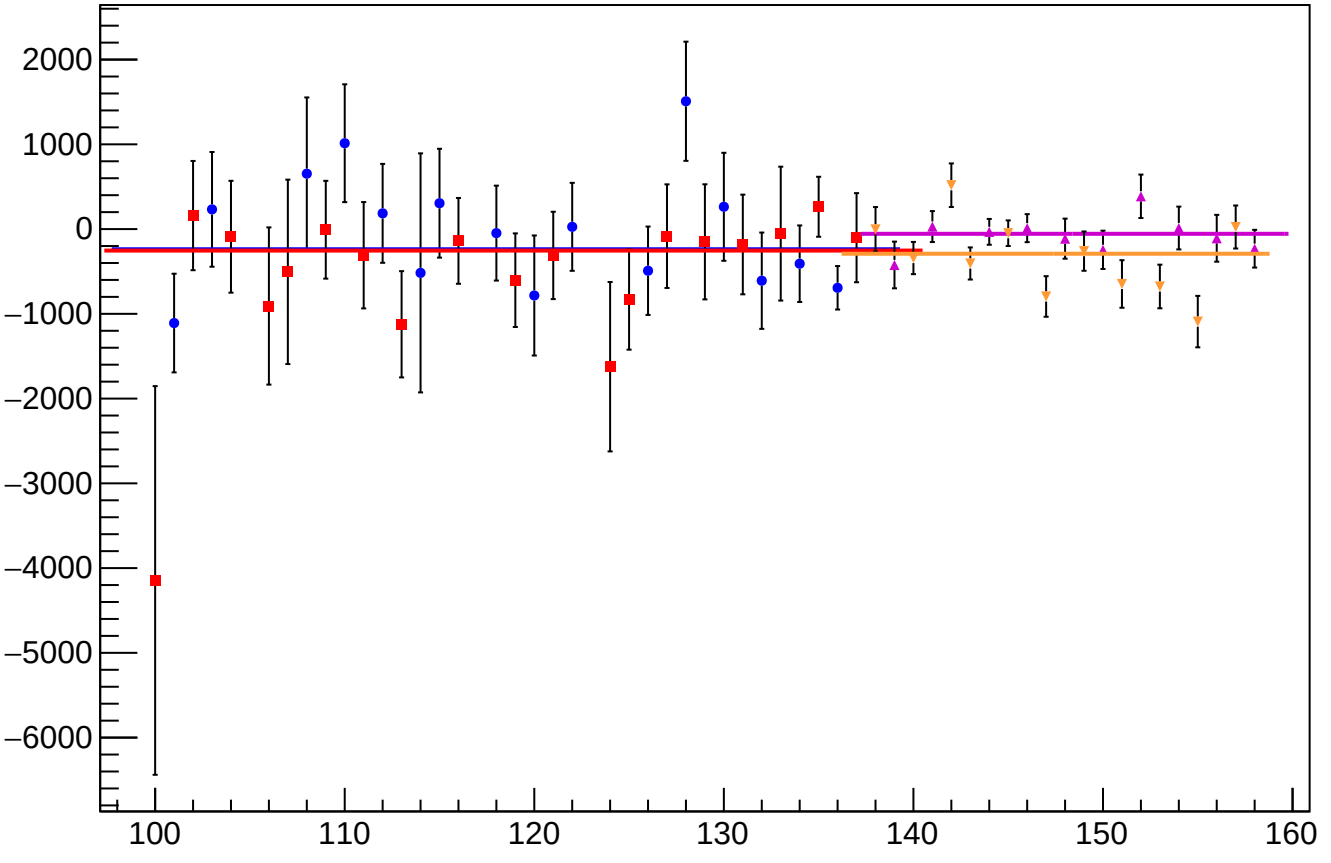
Left In: 195.178+/-0.048 χ^2/NDF:682764.2/9

+ sign 223.932+/-0.043 χ^2/NDF: 4266693.9/26

All: 226.314+/-0.031 χ^2/NDF: 8667624.5/55

- sign 228.761+/-0.043 χ^2/NDF: 4394667.0/28

asym_sam_1357_2468_dd_mean vs Slug



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -290.962+/-67.565 χ^2/NDF:30.9/10

Right Out: -253.445+/-140.414 χ^2/NDF: 11.7/18

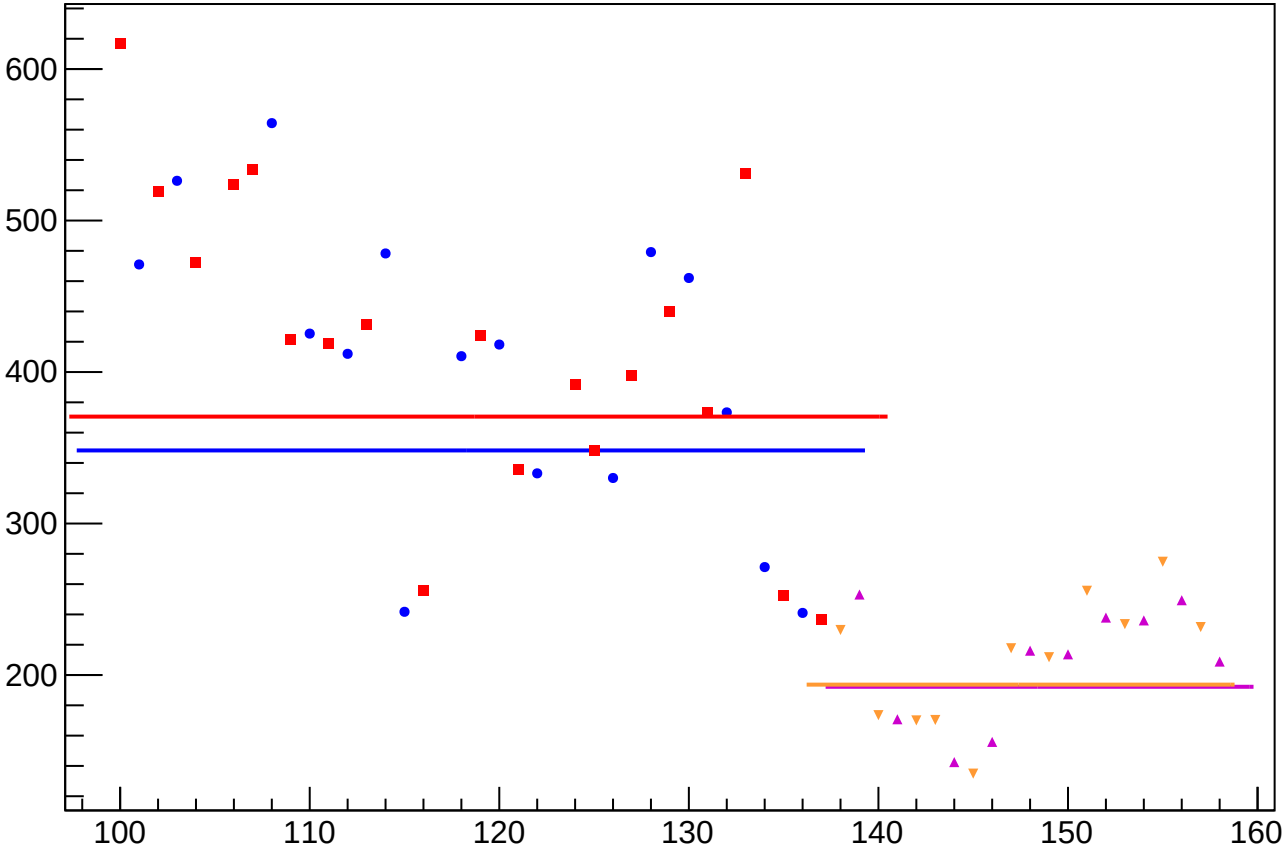
Left In: -55.740+/-66.723 χ^2/NDF:6.7/9

+ sign -280.406+/-60.452 χ^2/NDF: 51.0/26

All: -185.992+/-42.680 χ^2/NDF: 75.8/55

- sign -92.159+/-60.265 χ^2/NDF: 20.0/28

asym_sam_1357_2468_dd_rms vs Slug



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 193.662+/-0.048 χ^2/NDF:774971.6/10

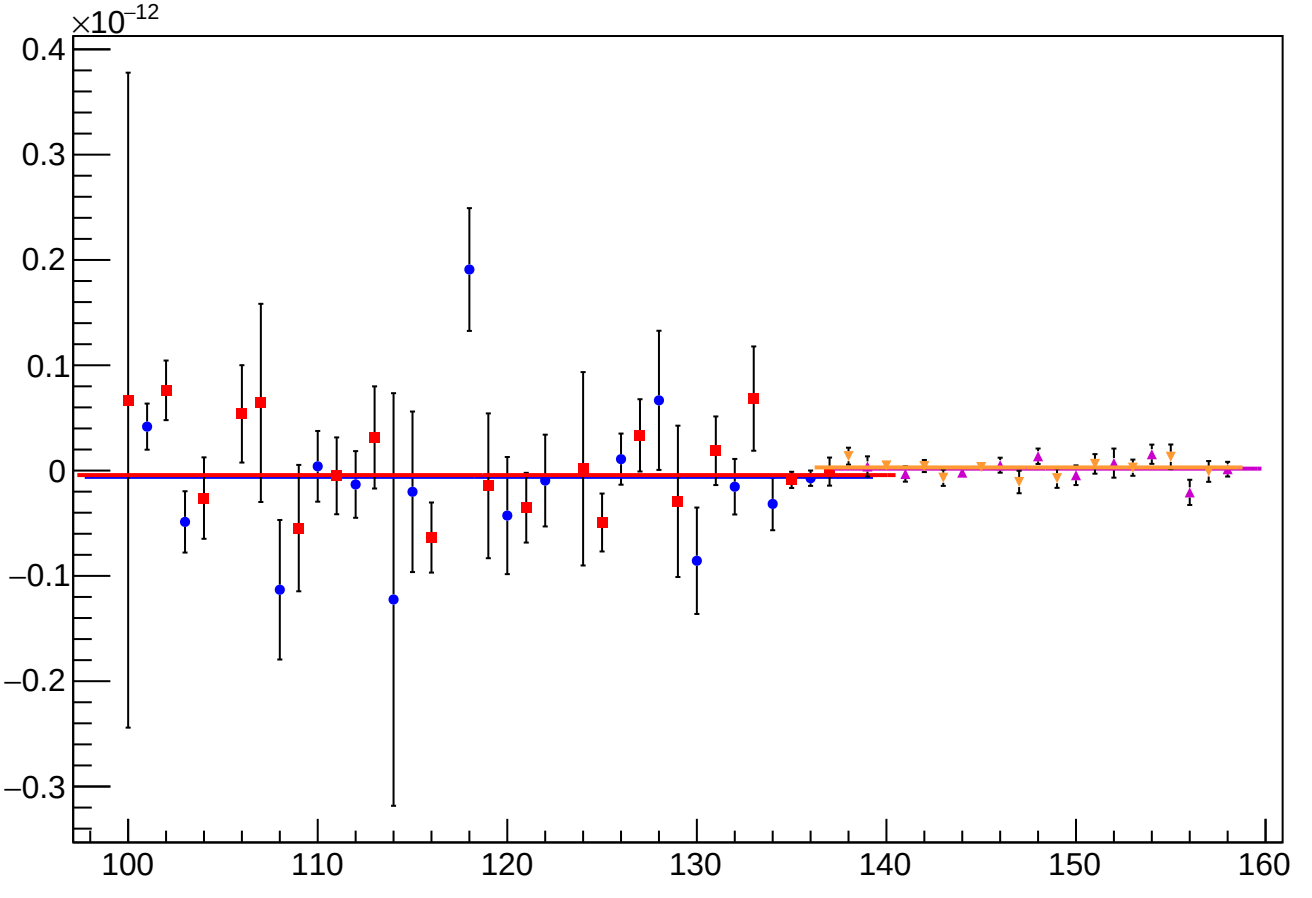
Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 192.243+/-0.047 χ^2/NDF:694146.9/9

+ sign 224.500+/-0.043 χ^2/NDF: 3920393.7/26

All: 224.799+/-0.030 χ^2/NDF: 8164620.4/55

- sign 225.095+/-0.043 χ^2/NDF: 4244129.4/28



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.6/10

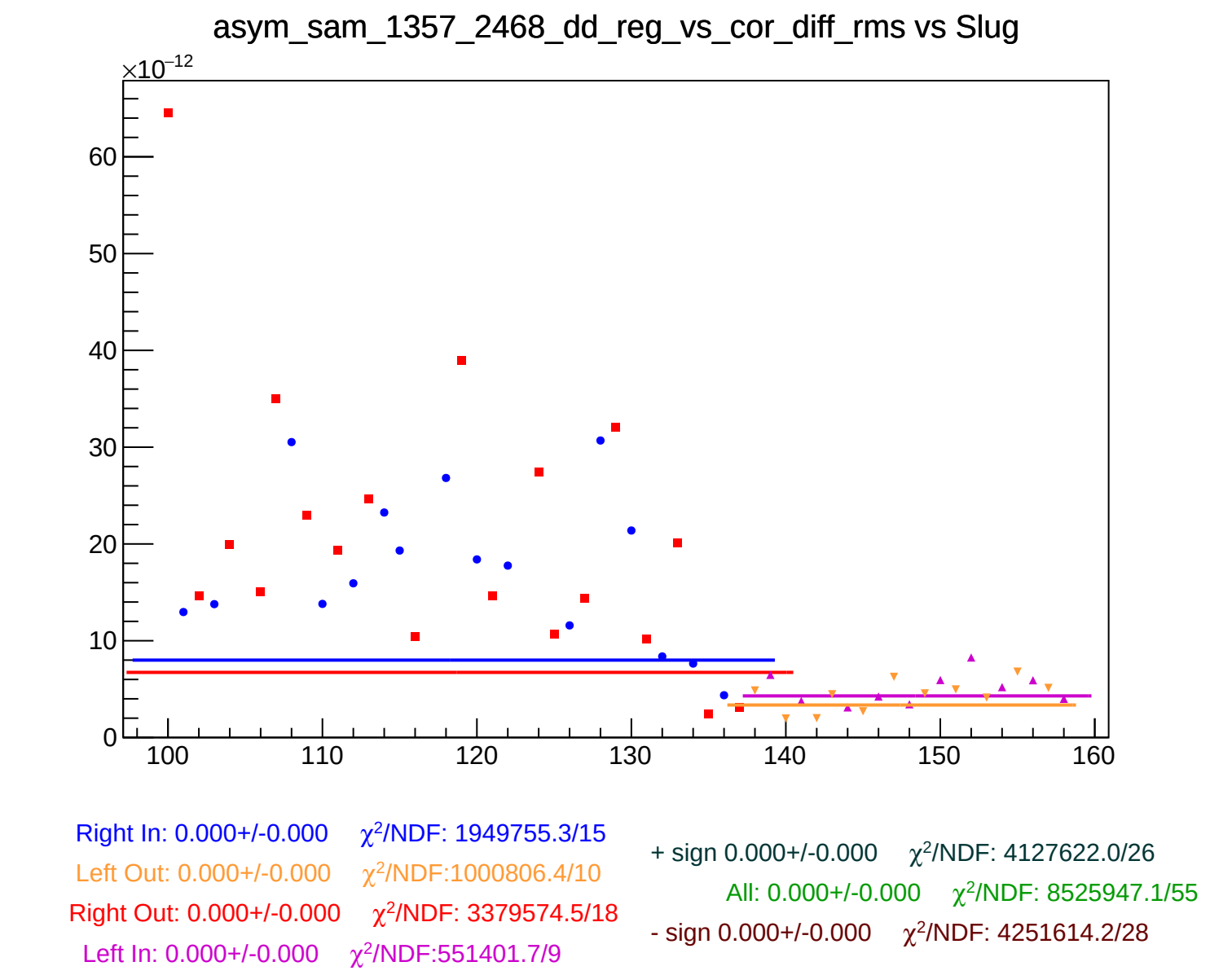
Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/18

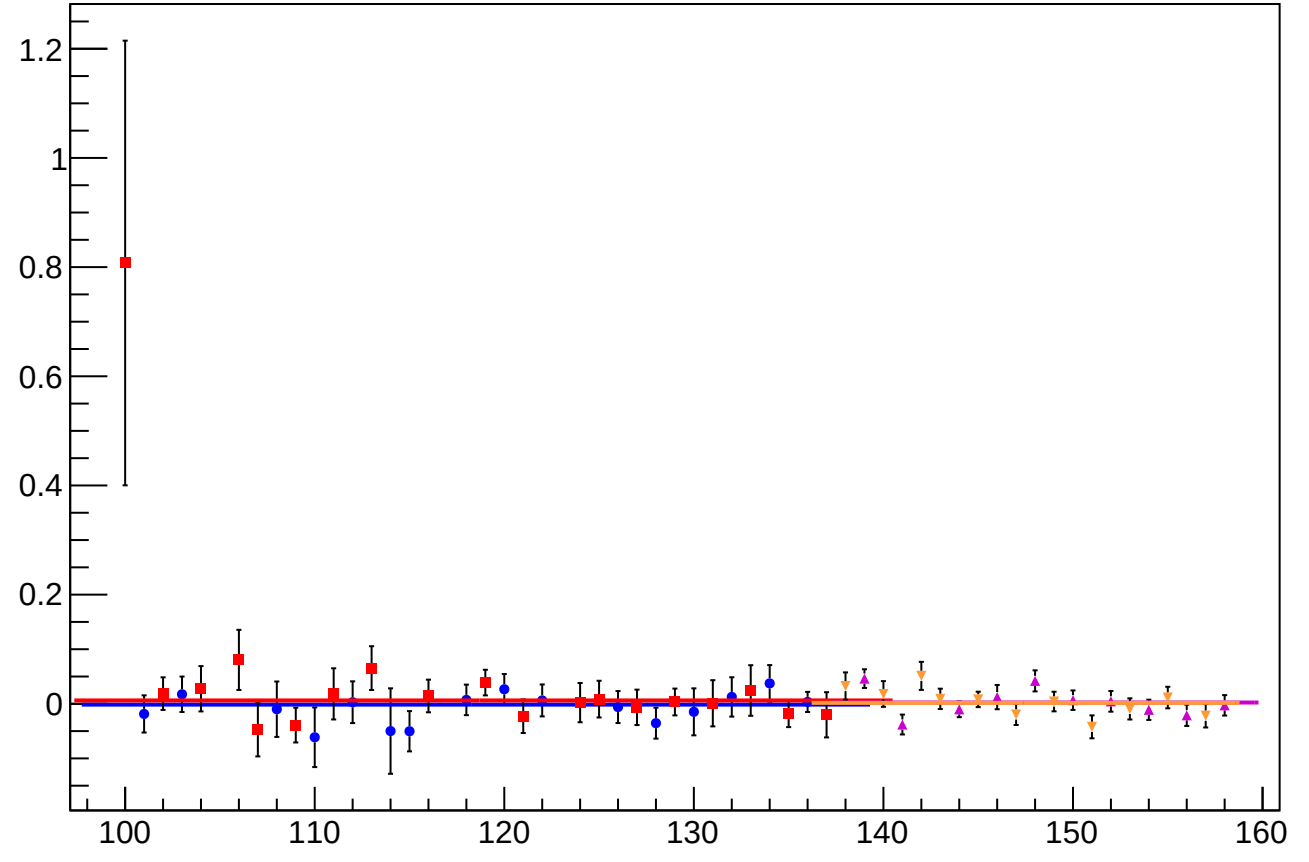
Left In: 0.000+/-0.000 χ^2/NDF:10.4/9

+ sign 0.000+/-0.000 χ^2/NDF: 37.1/26

All: 0.000+/-0.000 χ^2/NDF: 71.6/55

- sign 0.000+/-0.000 χ^2/NDF: 34.3/28


asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1949755.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1000806.4/10
Right Out: 0.000+/-0.000 χ²/NDF: 3379574.5/18
Left In: 0.000+/-0.000 χ²/NDF:551401.7/9
+ sign 0.000+/-0.000 χ²/NDF: 4127622.0/26
All: 0.000+/-0.000 χ²/NDF: 8525947.1/55
- sign 0.000+/-0.000 χ²/NDF: 4251614.2/28



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.002+/-0.006 χ^2/NDF:13.5/10

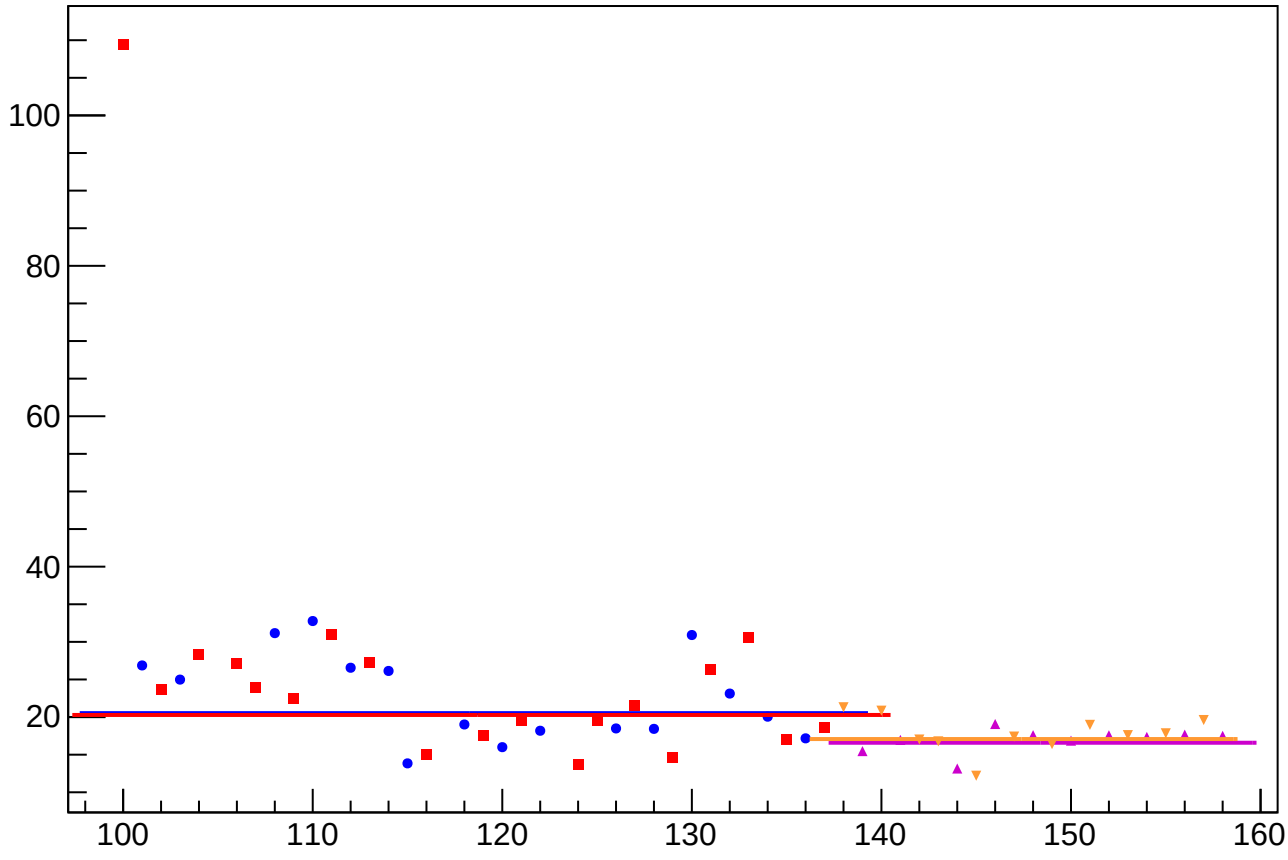
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.002+/-0.006 χ^2/NDF:18.7/9

+ sign 0.001+/-0.005 χ^2/NDF: 21.8/26

All: 0.002+/-0.003 χ^2/NDF: 57.1/55

- sign 0.004+/-0.005 χ^2/NDF: 35.1/28



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 17.078+/-0.004 χ^2/NDF:398801.4/10

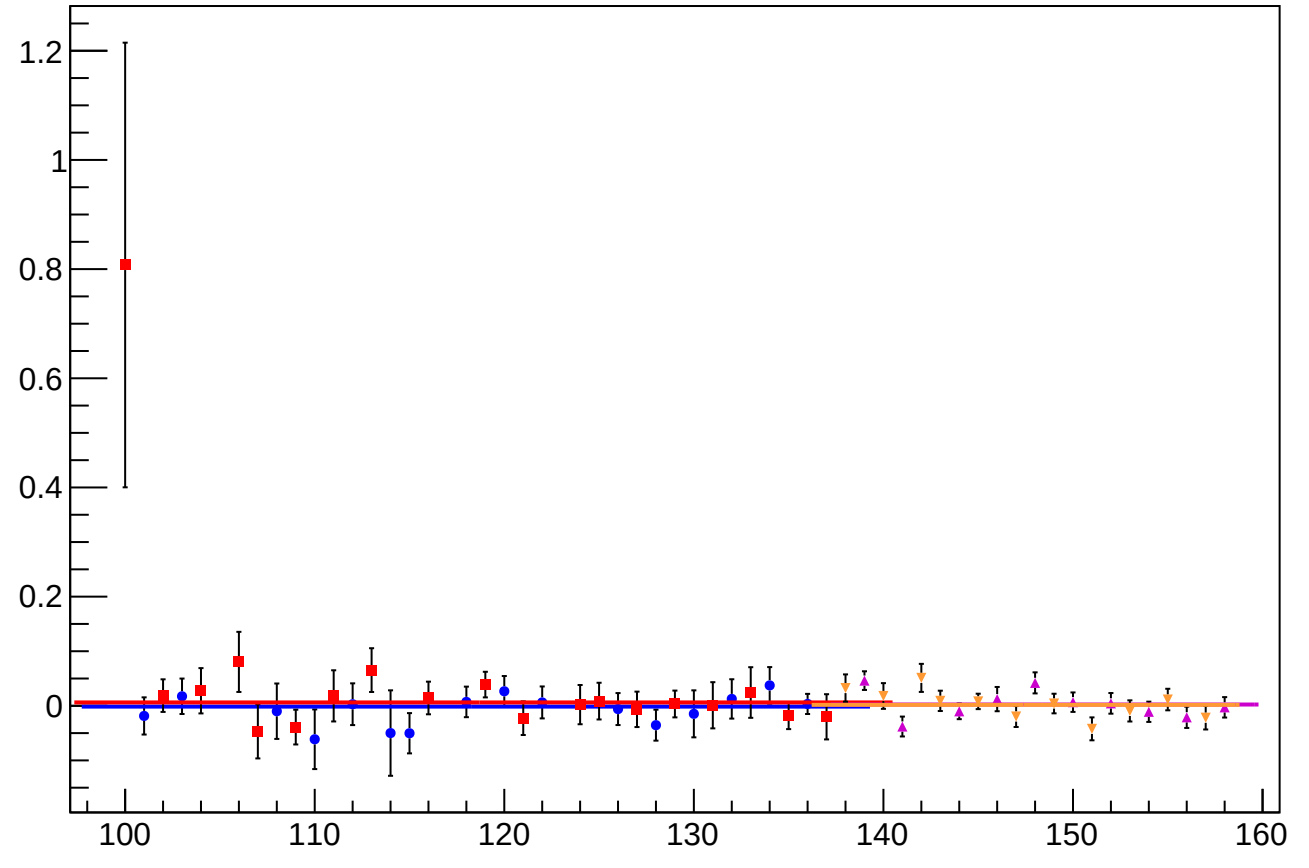
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.587+/-0.004 χ^2/NDF:173365.3/9

+ sign 18.292+/-0.003 χ^2/NDF: 1341199.6/26

All: 18.074+/-0.002 χ^2/NDF: 2673819.9/55

- sign 17.869+/-0.003 χ^2/NDF: 1324574.8/28



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.002+/-0.006 χ^2/NDF:13.5/10

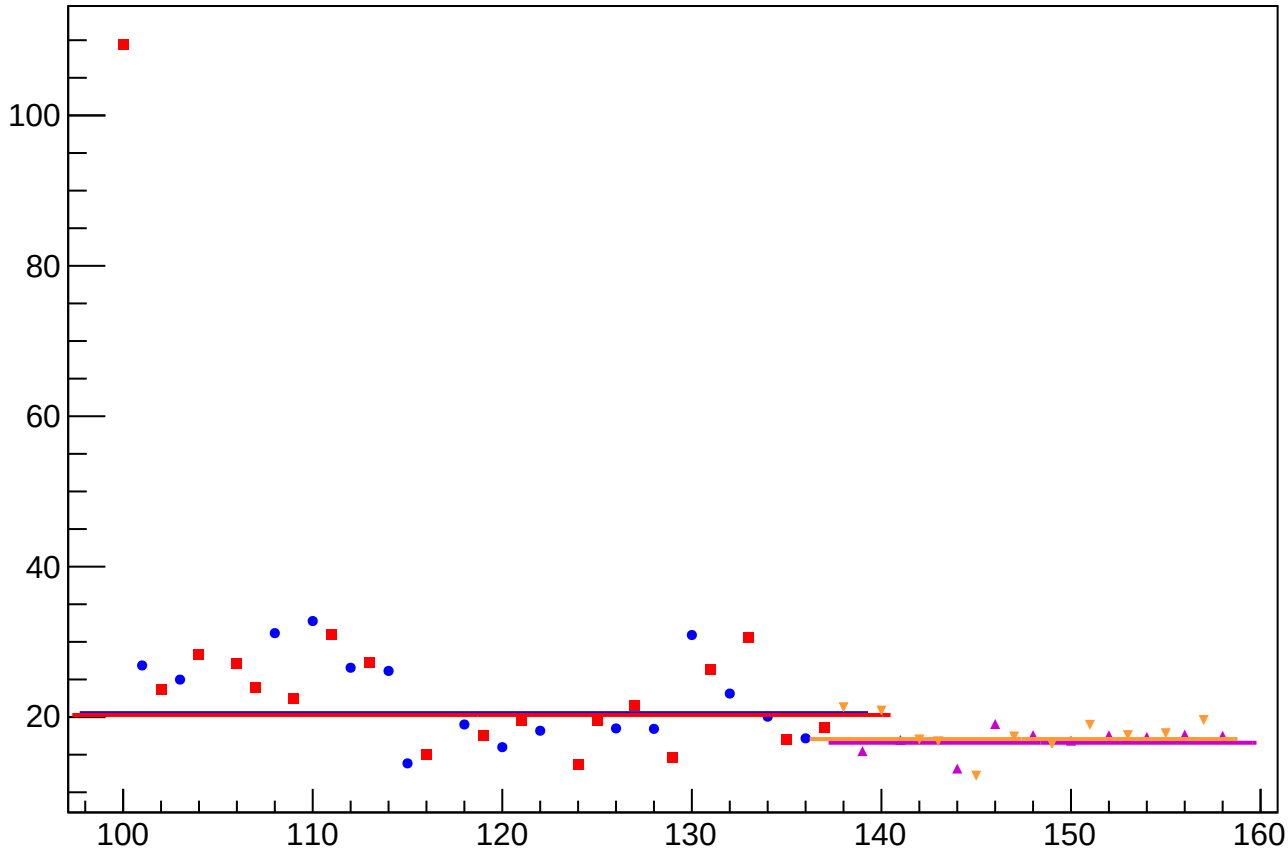
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.002+/-0.006 χ^2/NDF:18.7/9

+ sign 0.001+/-0.005 χ^2/NDF: 21.8/26

All: 0.002+/-0.003 χ^2/NDF: 57.1/55

- sign 0.004+/-0.005 χ^2/NDF: 35.1/28



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 17.078+/-0.004 χ^2/NDF:398801.4/10

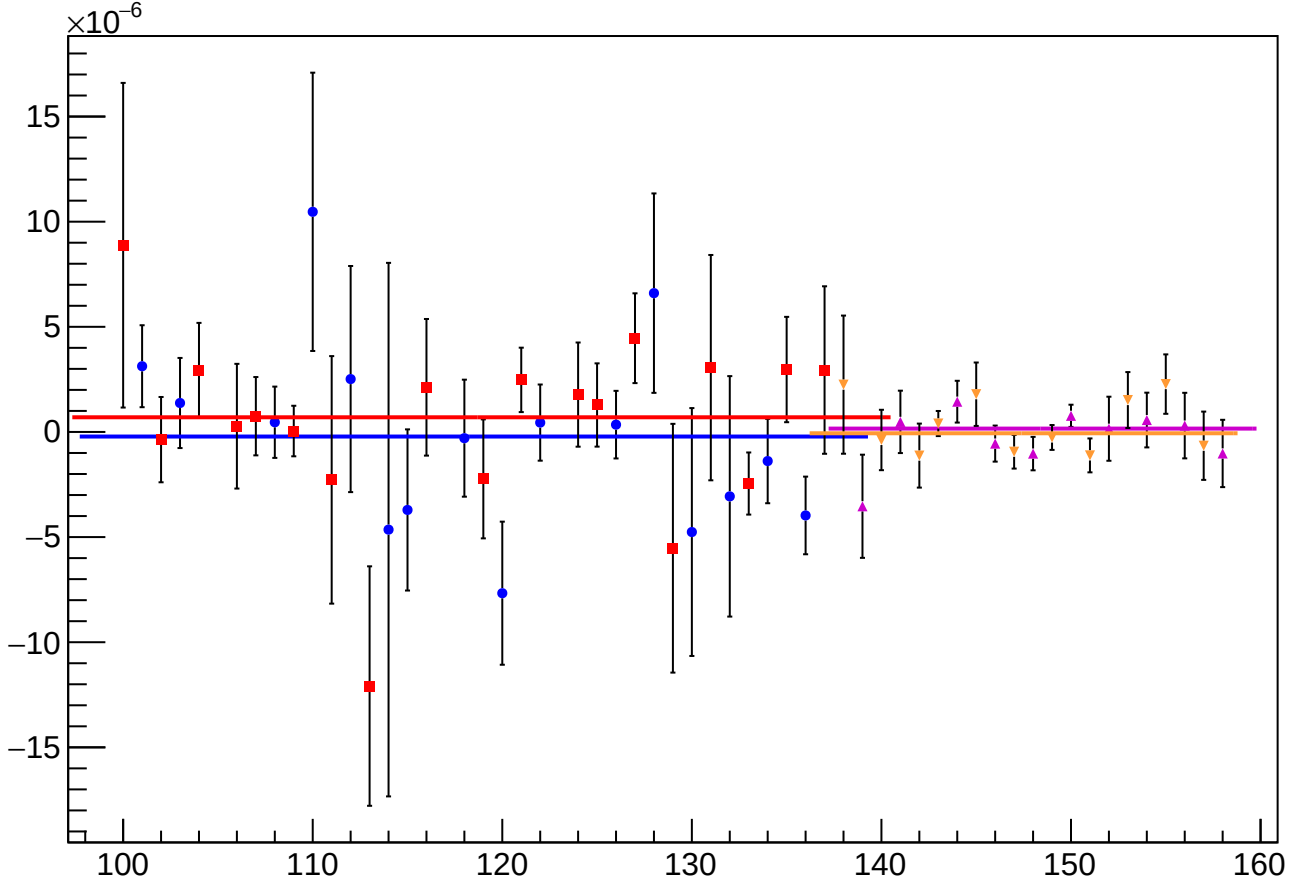
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.587+/-0.004 χ^2/NDF:173365.3/9

\+ sign 18.292+/-0.003 χ^2/NDF: 1341199.6/26

All: 18.074+/-0.002 χ^2/NDF: 2673819.9/55

\- sign 17.869+/-0.003 χ^2/NDF: 1324574.8/28



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/10

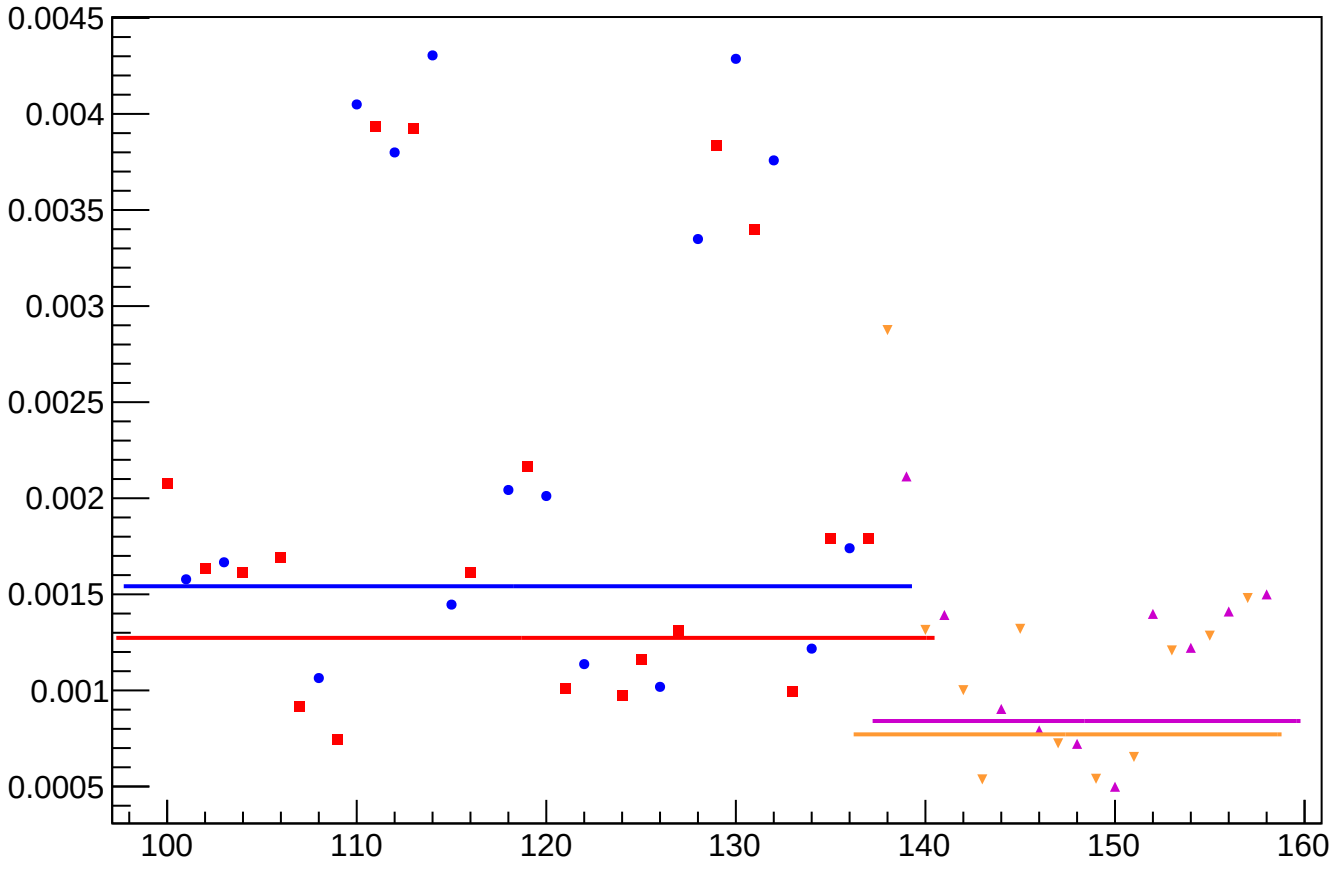
Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/18

Left In: 0.000+/-0.000 χ^2/NDF:8.9/9

+ sign -0.000+/-0.000 χ^2/NDF: 30.4/26

All: 0.000+/-0.000 χ^2/NDF: 62.1/55

- sign 0.000+/-0.000 χ^2/NDF: 30.7/28



Right In: 0.002+/-0.000 χ^2/NDF: 2416805.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:2942449.8/10

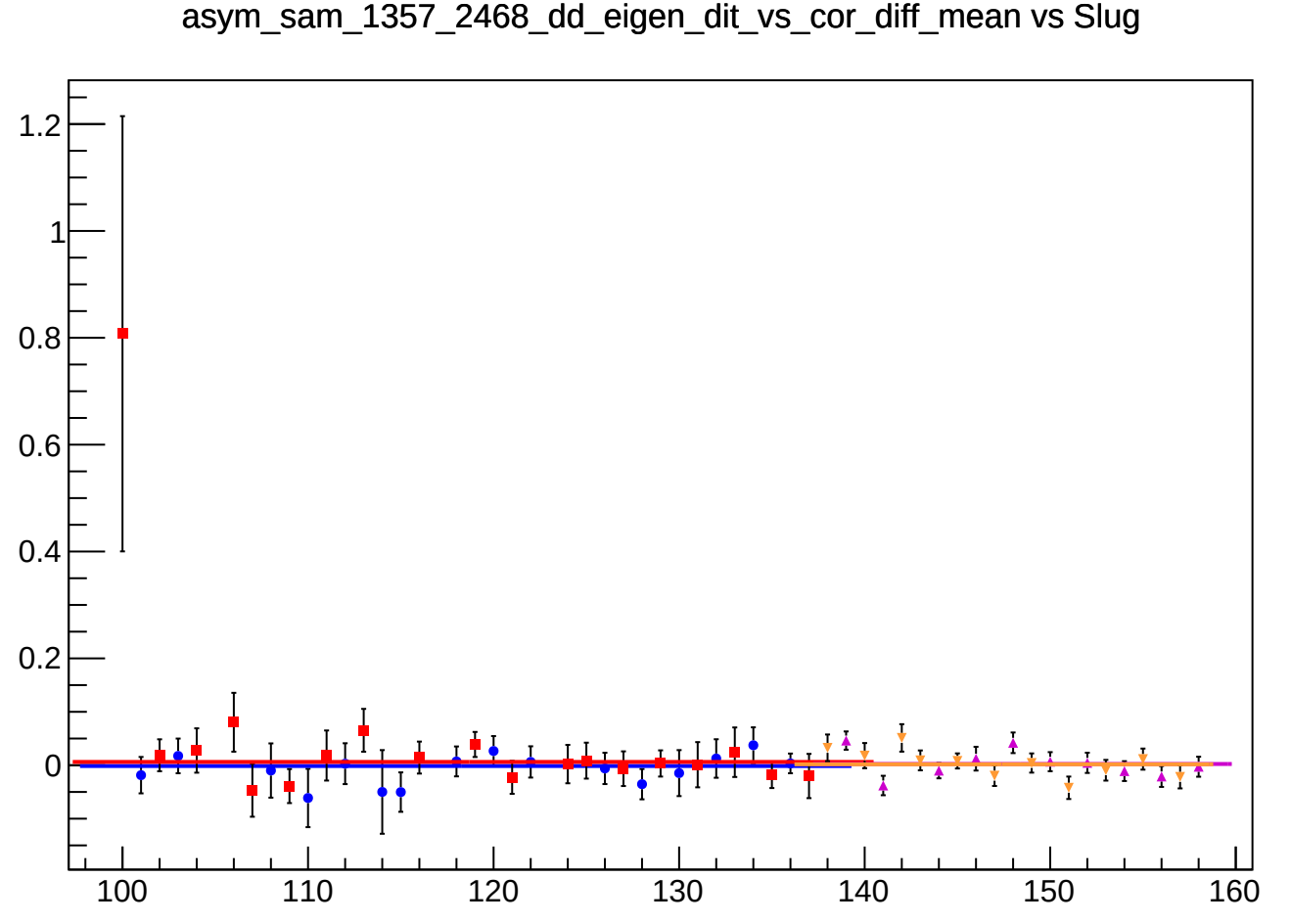
Right Out: 0.001+/-0.000 χ^2/NDF: 2667436.5/18

Left In: 0.001+/-0.000 χ^2/NDF:2759824.7/9

\+ sign 0.001+/-0.000 χ^2/NDF: 7816335.4/26

All: 0.001+/-0.000 χ^2/NDF: 14274432.8/55

\- sign 0.001+/-0.000 χ^2/NDF: 6425650.5/28



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.002+/-0.006 χ^2/NDF:13.5/10

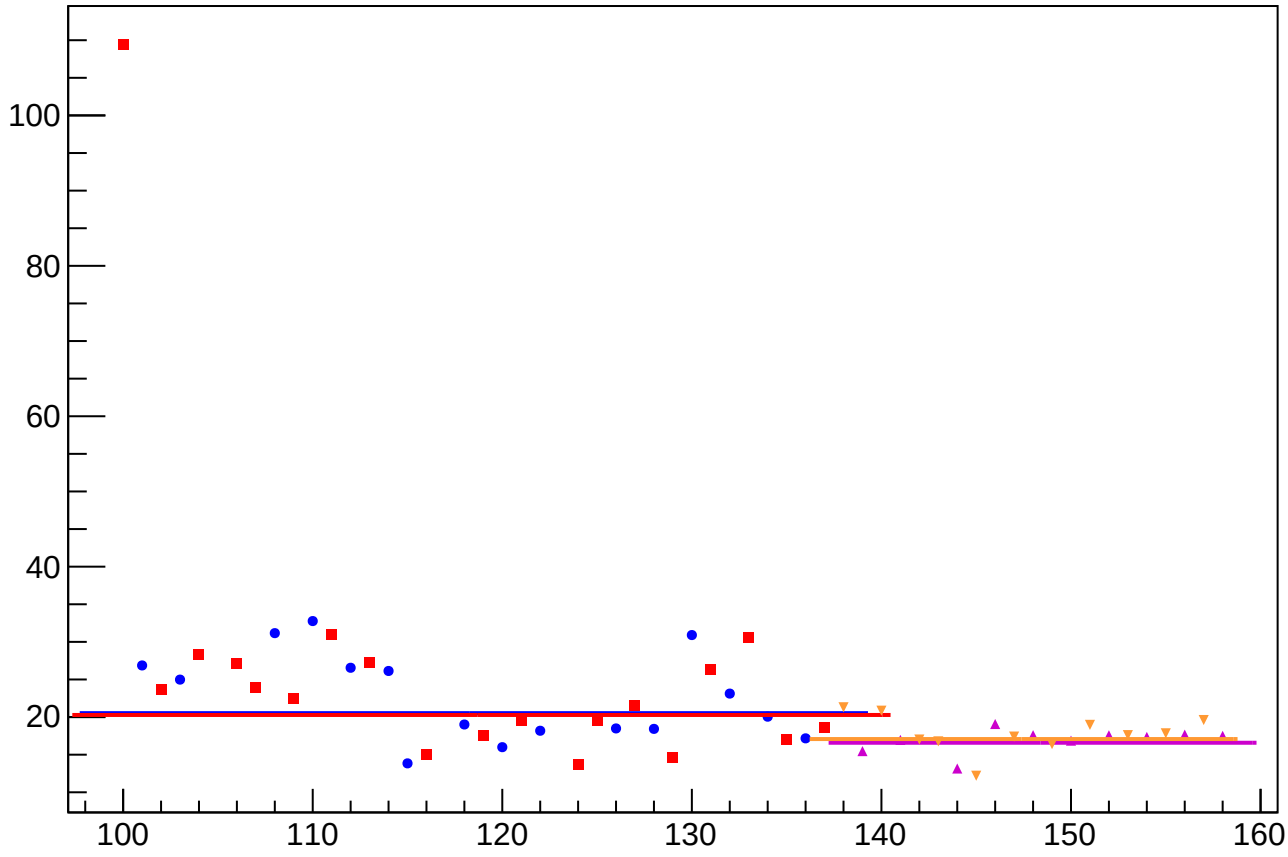
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.002+/-0.006 χ^2/NDF:18.7/9

+ sign 0.001+/-0.005 χ^2/NDF: 21.8/26

All: 0.002+/-0.003 χ^2/NDF: 57.1/55

- sign 0.004+/-0.005 χ^2/NDF: 35.1/28



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 17.079+/-0.004 χ^2/NDF:398748.2/10

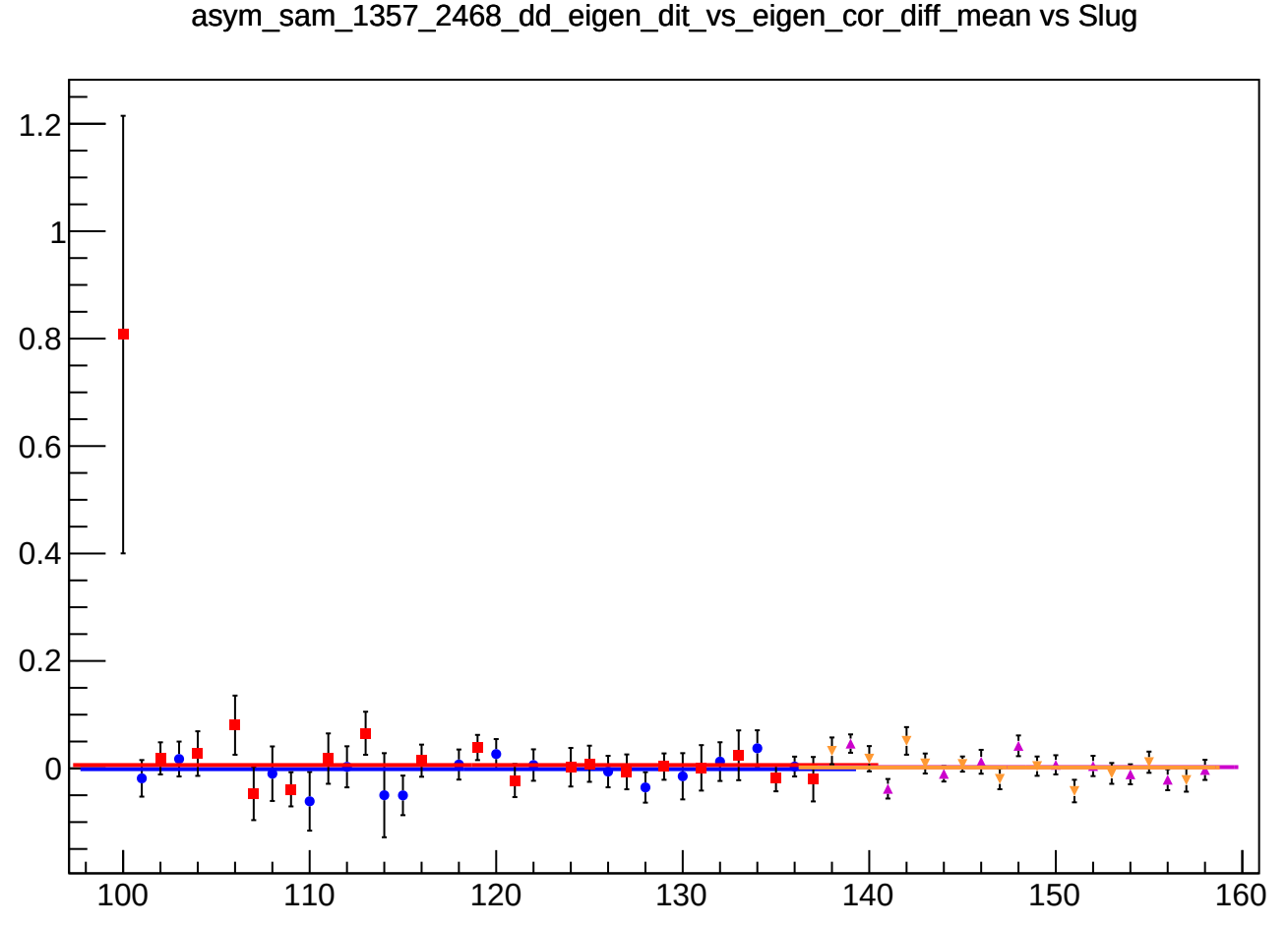
Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.587+/-0.004 χ^2/NDF:173380.3/9

\+ sign 18.292+/-0.003 χ^2/NDF: 1340918.1/26

All: 18.074+/-0.002 χ^2/NDF: 2673459.2/55

\- sign 17.869+/-0.003 χ^2/NDF: 1324489.0/28



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.002+/-0.006 χ^2/NDF:13.5/10

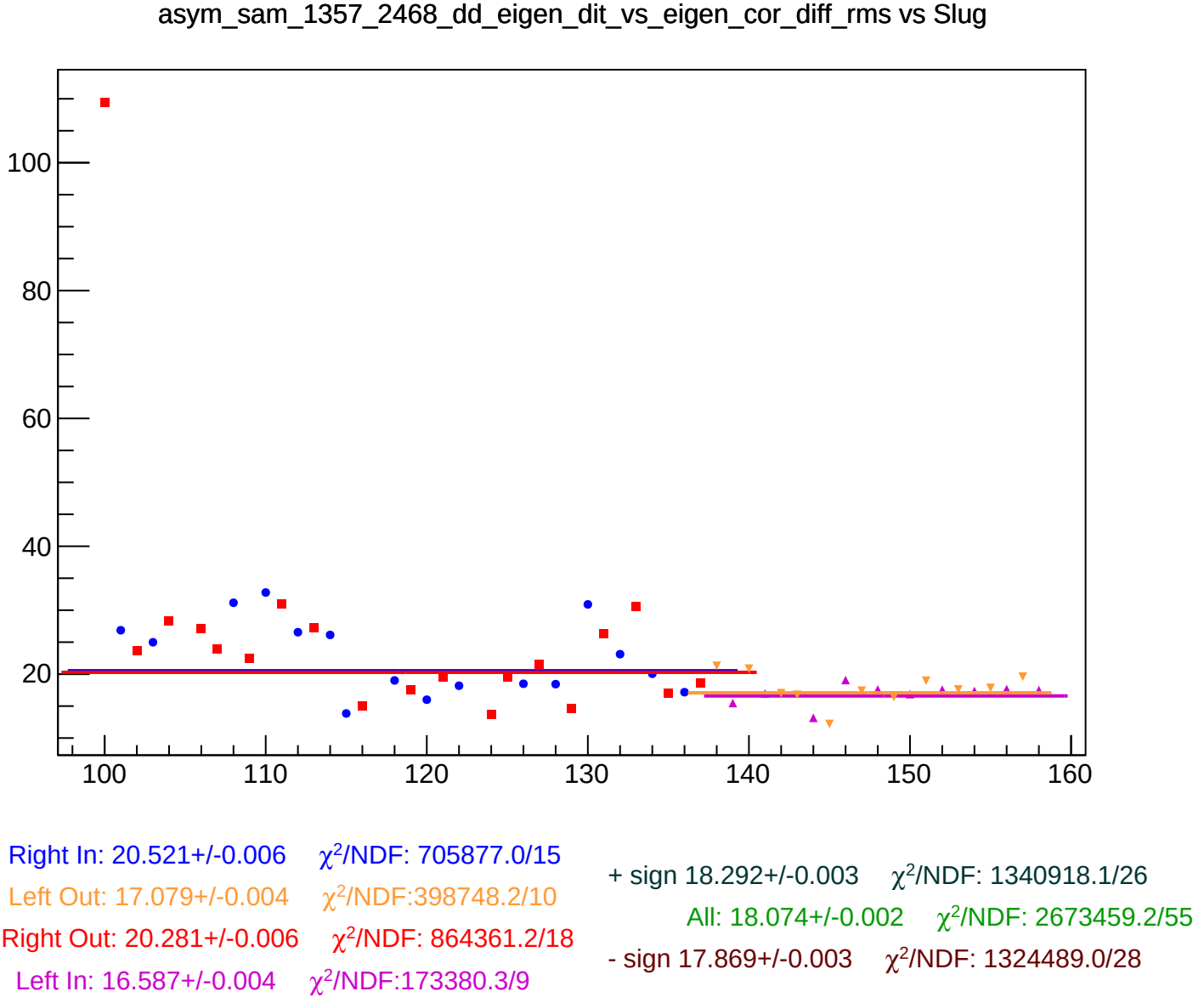
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

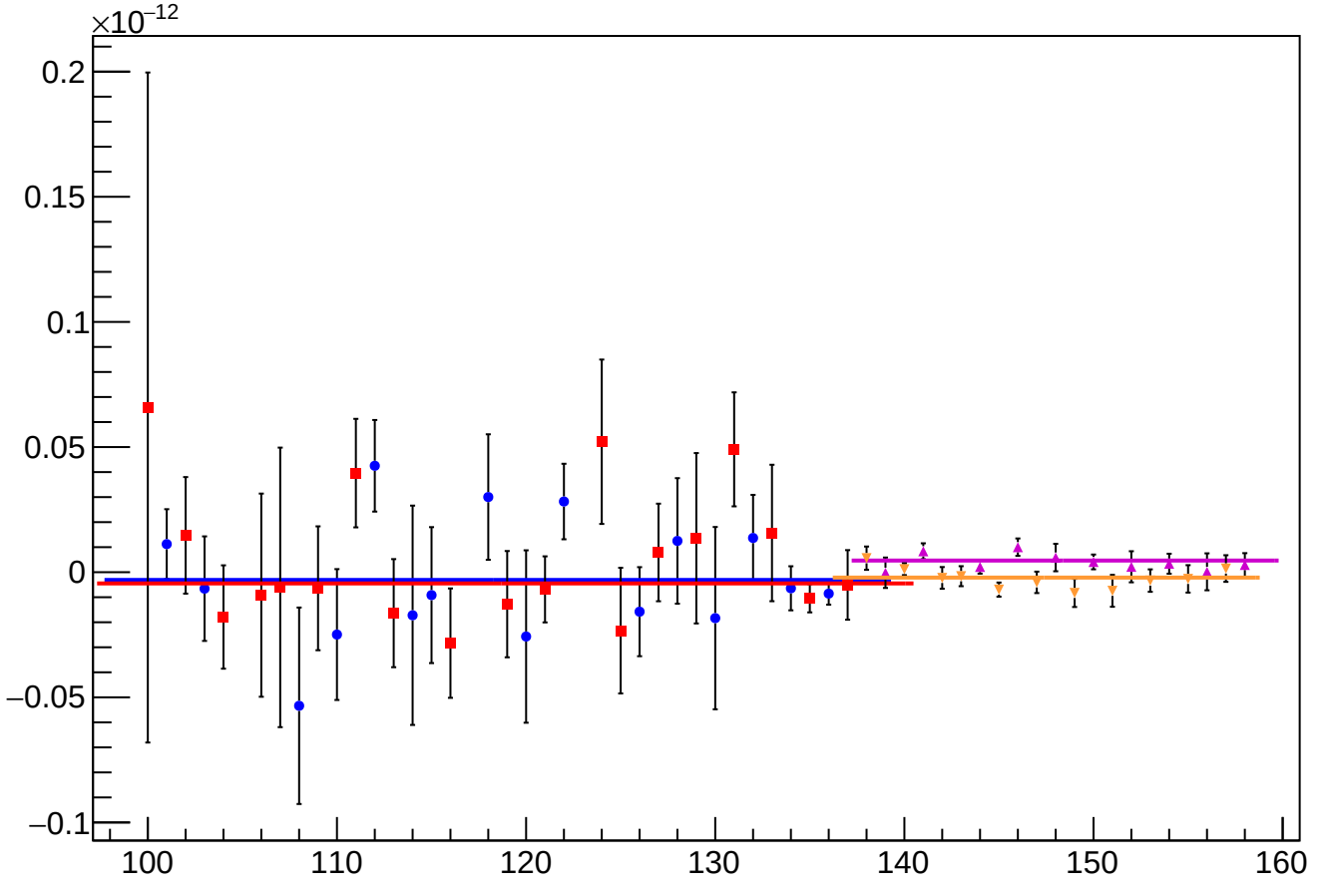
Left In: 0.002+/-0.006 χ^2/NDF:18.7/9

+ sign 0.001+/-0.005 χ^2/NDF: 21.8/26

All: 0.002+/-0.003 χ^2/NDF: 57.1/55

- sign 0.004+/-0.005 χ^2/NDF: 35.1/28


asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
100
80
60
40
20
100
110
120
130
140
150
160
Right In: 20.521+/-0.006 χ²/NDF: 705877.0/15
Left Out: 17.079+/-0.004 χ²/NDF:398748.2/10
Right Out: 20.281+/-0.006 χ²/NDF: 864361.2/18
Left In: 16.587+/-0.004 χ²/NDF:173380.3/9
+ sign 18.292+/-0.003 χ²/NDF: 1340918.1/26
All: 18.074+/-0.002 χ²/NDF: 2673459.2/55
- sign 17.869+/-0.003 χ²/NDF: 1324489.0/28



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.3/10

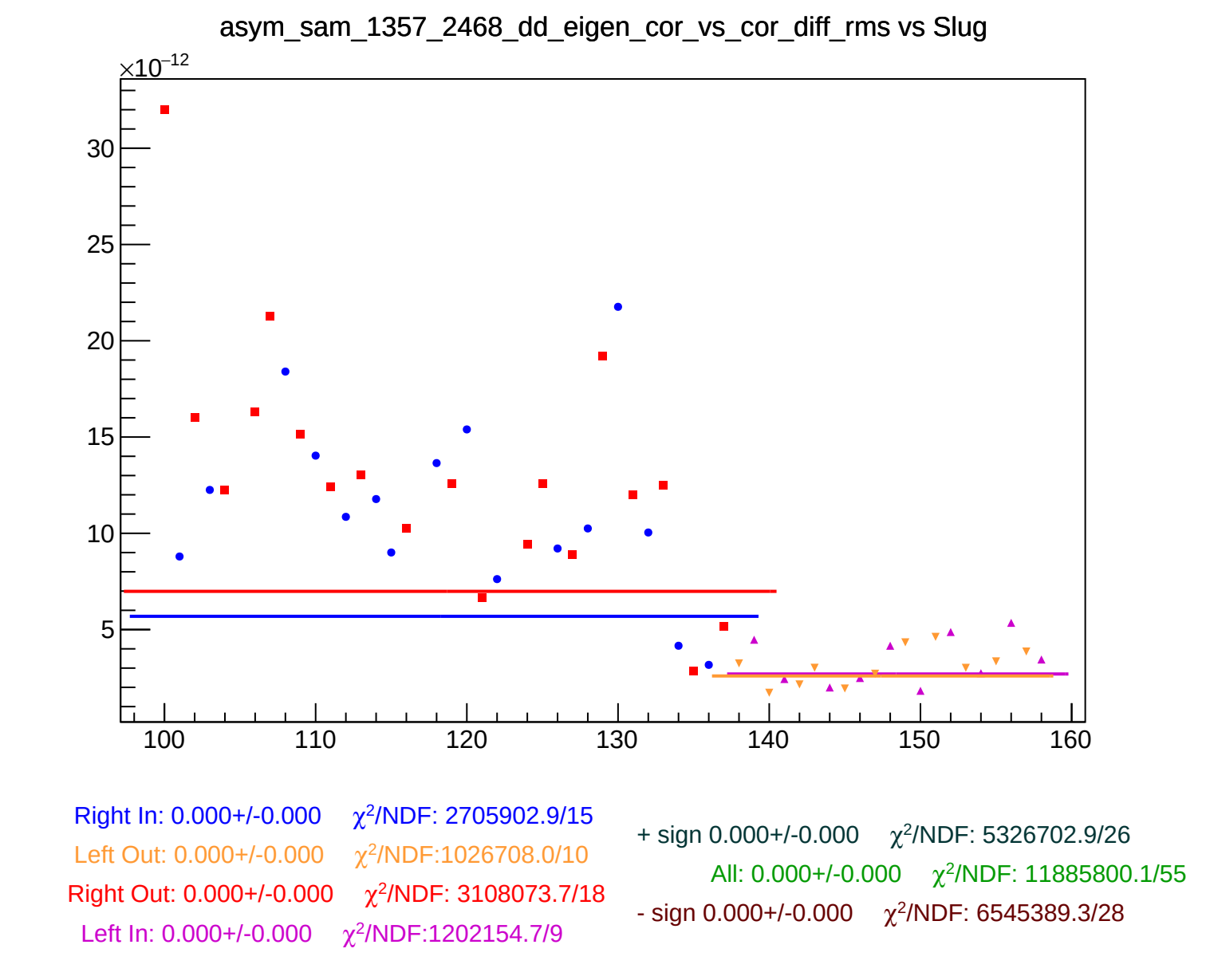
Right Out: -0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: 0.000+/-0.000 χ^2/NDF:6.1/9

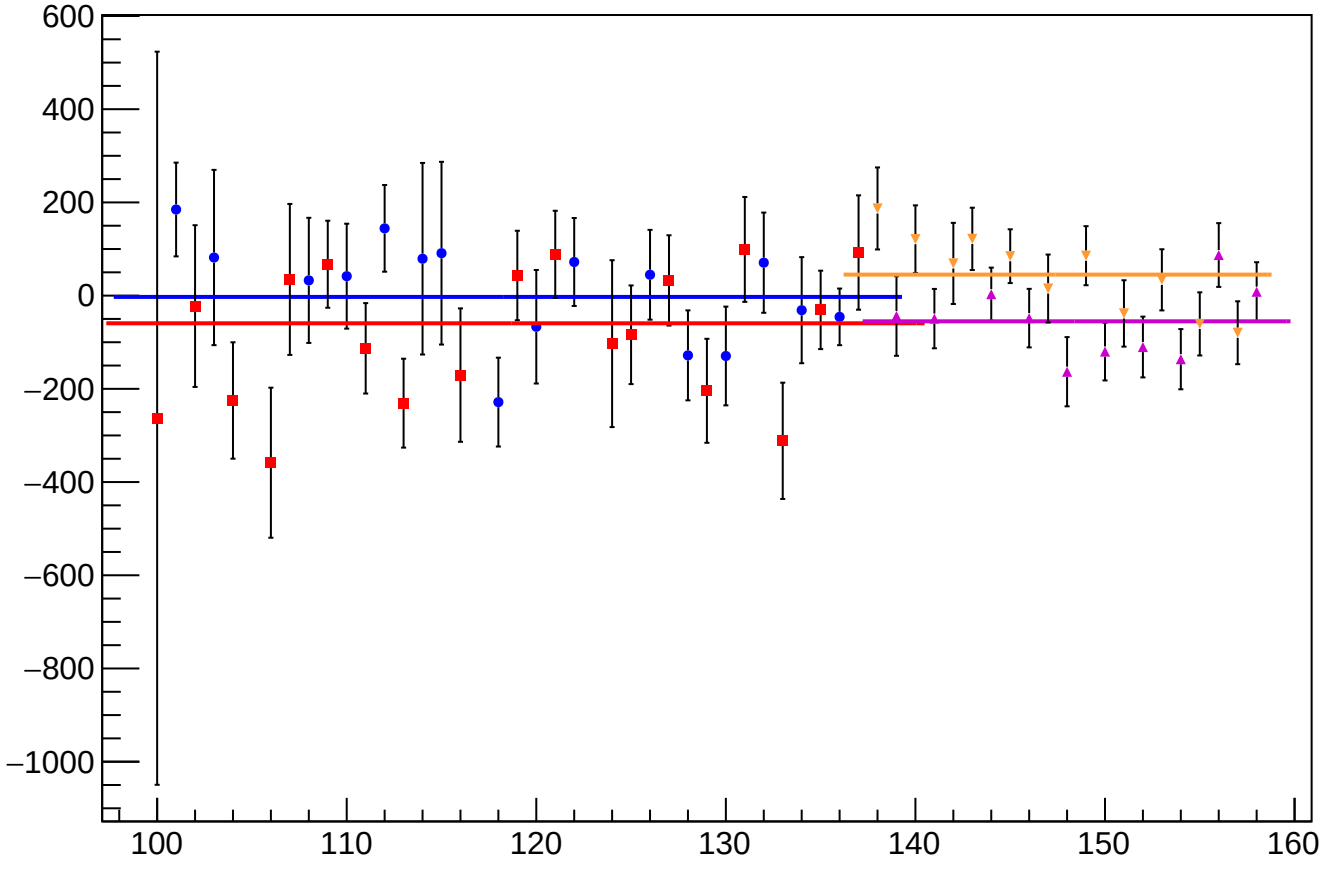
\+ sign -0.000+/-0.000 χ^2/NDF: 30.3/26

All: 0.000+/-0.000 χ^2/NDF: 73.9/55

\- sign 0.000+/-0.000 χ^2/NDF: 29.8/28


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
30
25
20
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2705902.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1026708.0/10
Right Out: 0.000+/-0.000 χ²/NDF: 3108073.7/18
Left In: 0.000+/-0.000 χ²/NDF:1202154.7/9
+ sign 0.000+/-0.000 χ²/NDF: 5326702.9/26
All: 0.000+/-0.000 χ²/NDF: 11885800.1/55
- sign 0.000+/-0.000 χ²/NDF: 6545389.3/28

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 45.101+/-20.942 χ^2/NDF:13.4/10

Right Out: -59.349+/-26.382 χ^2/NDF: 25.7/18

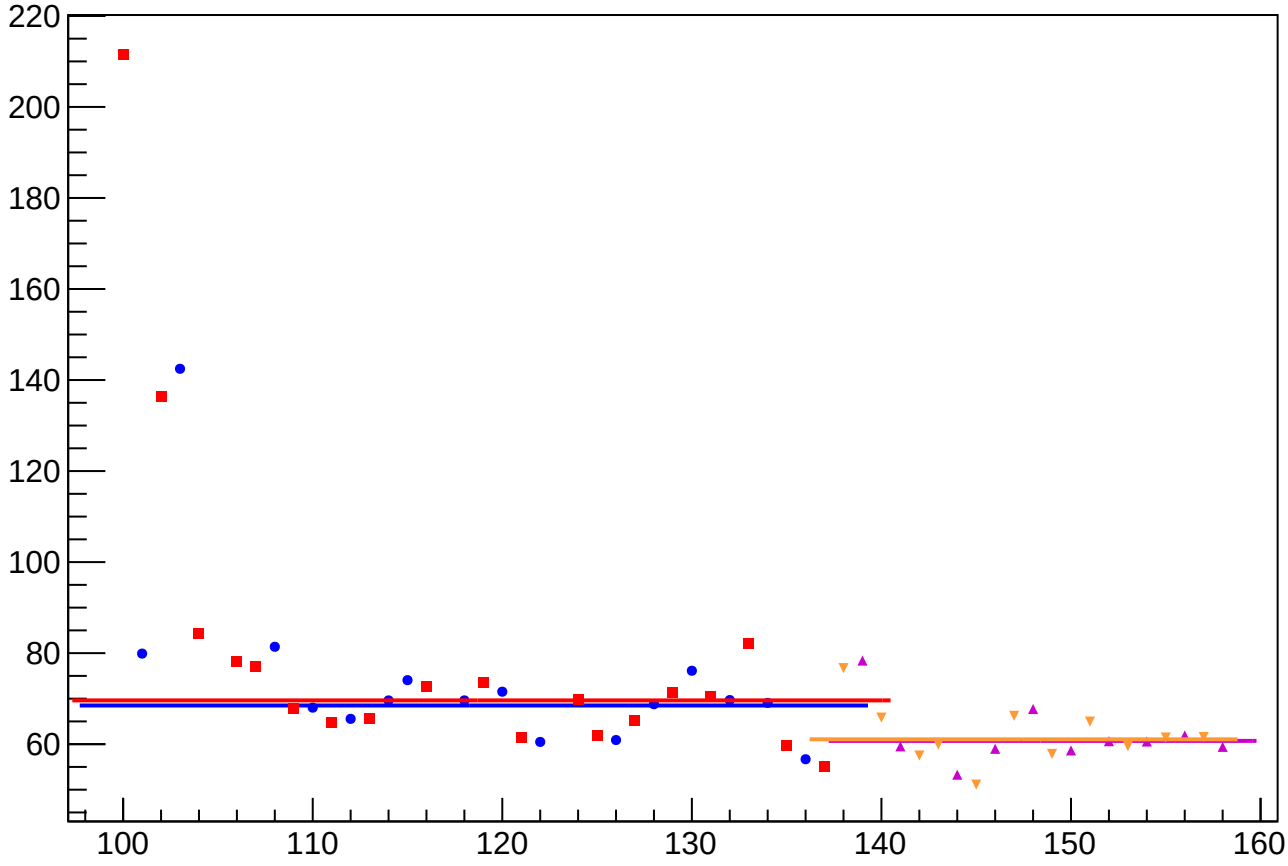
Left In: -55.103+/-20.736 χ^2/NDF:11.9/9

+ sign 26.452+/-16.362 χ^2/NDF: 33.1/26

All: -15.285+/-11.549 χ^2/NDF: 83.8/55

- sign -56.725+/-16.303 χ^2/NDF: 37.7/28

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 61.065+/-0.015 χ^2/NDF:157551.1/10

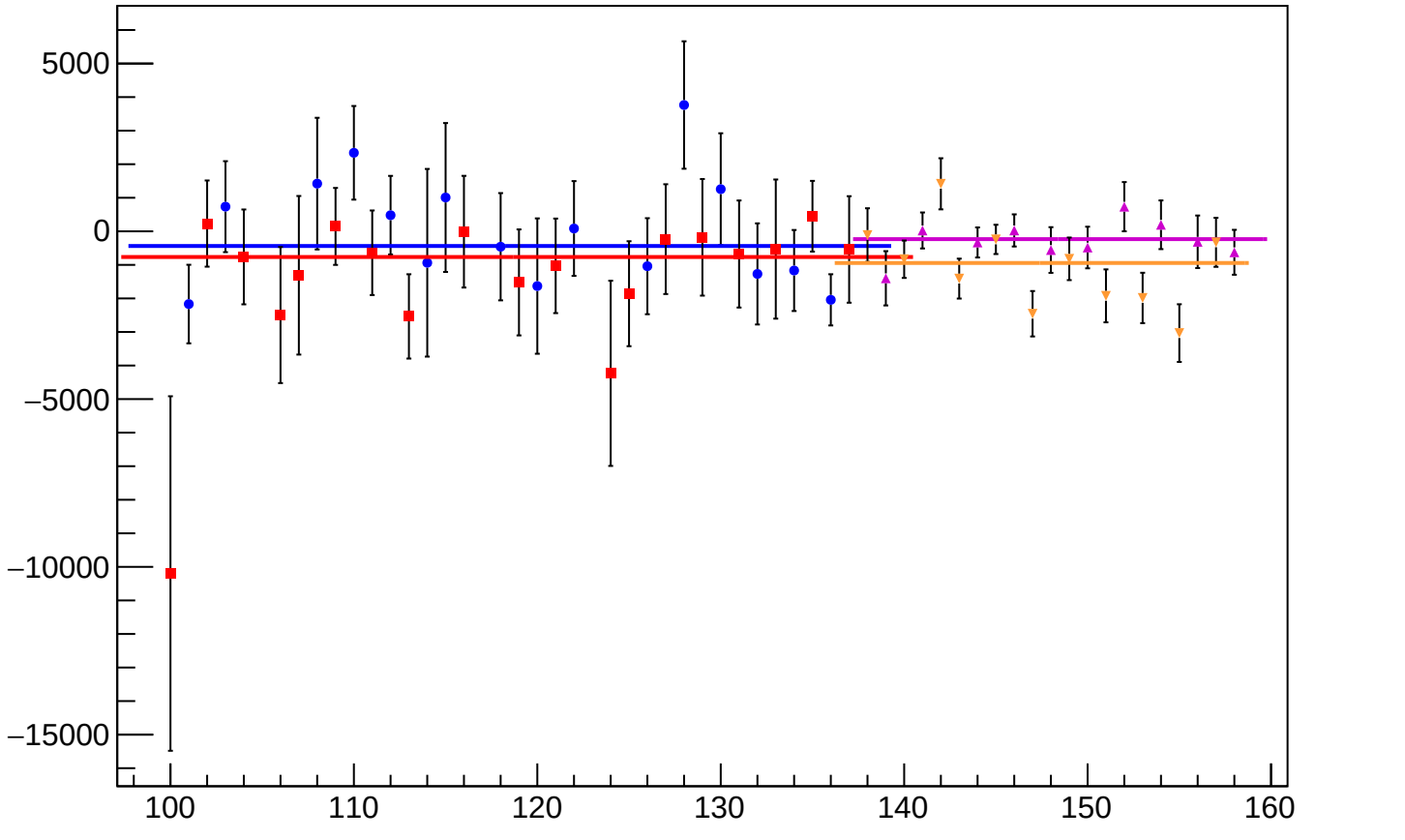
Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 60.721+/-0.015 χ^2/NDF:143206.0/9

+ sign 63.961+/-0.012 χ^2/NDF: 727605.8/26

All: 64.040+/-0.008 χ^2/NDF: 1531972.4/55

- sign 64.119+/-0.012 χ^2/NDF: 804272.9/28



Right In: -437.444+/-348.880 χ^2/NDF: 20.6/15

Left Out: -943.252+/-196.634 χ^2/NDF:29.1/10

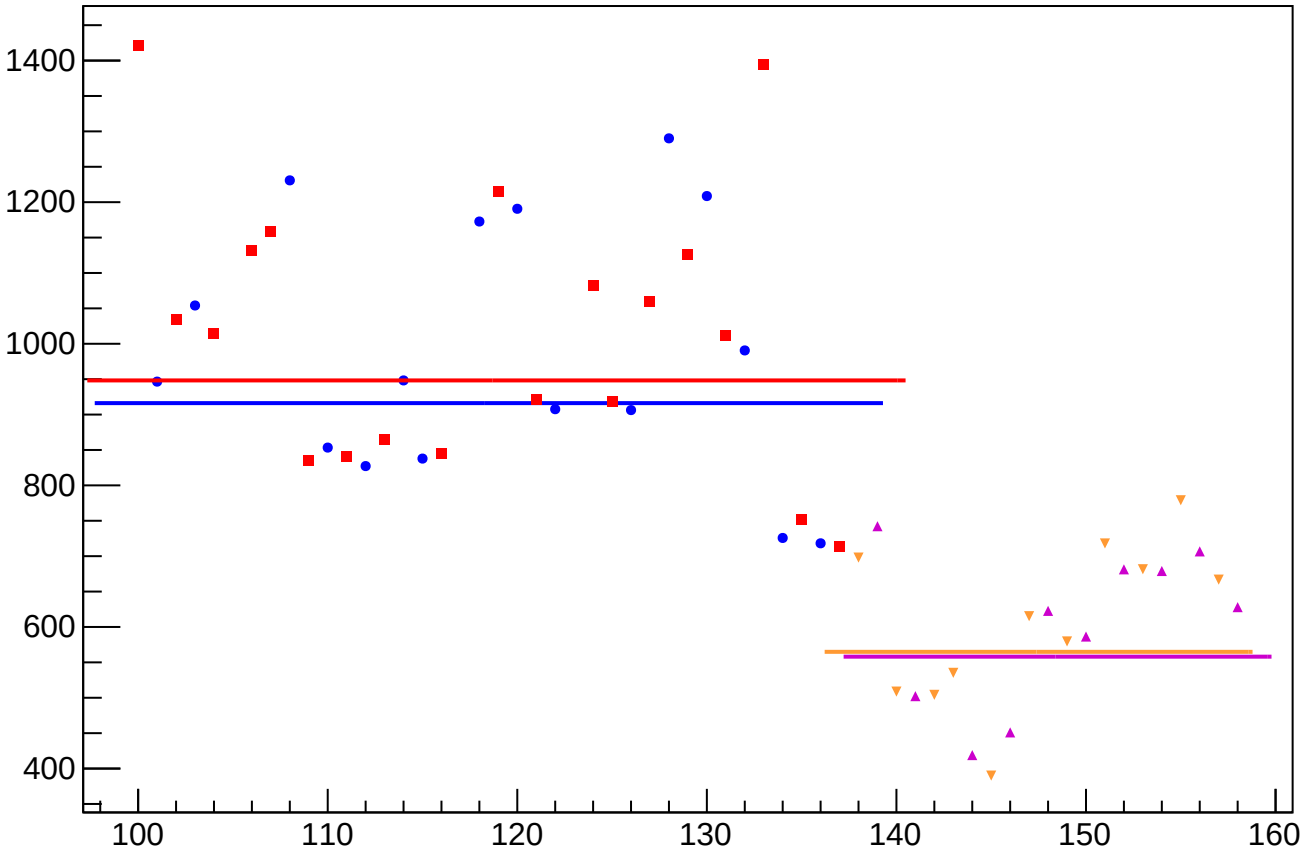
Right Out: -765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: -232.657+/-193.436 χ^2/NDF:5.5/9

+ sign -821.312+/-171.300 χ^2/NDF: 51.2/26

All: -586.214+/-120.537 χ^2/NDF: 73.5/55

- sign -355.644+/-169.642 χ^2/NDF: 18.6/28



Right In: 916.171+/-0.247 χ^2/NDF: 509126.4/15

Left Out: 564.888+/-0.139 χ^2/NDF:713268.4/10

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

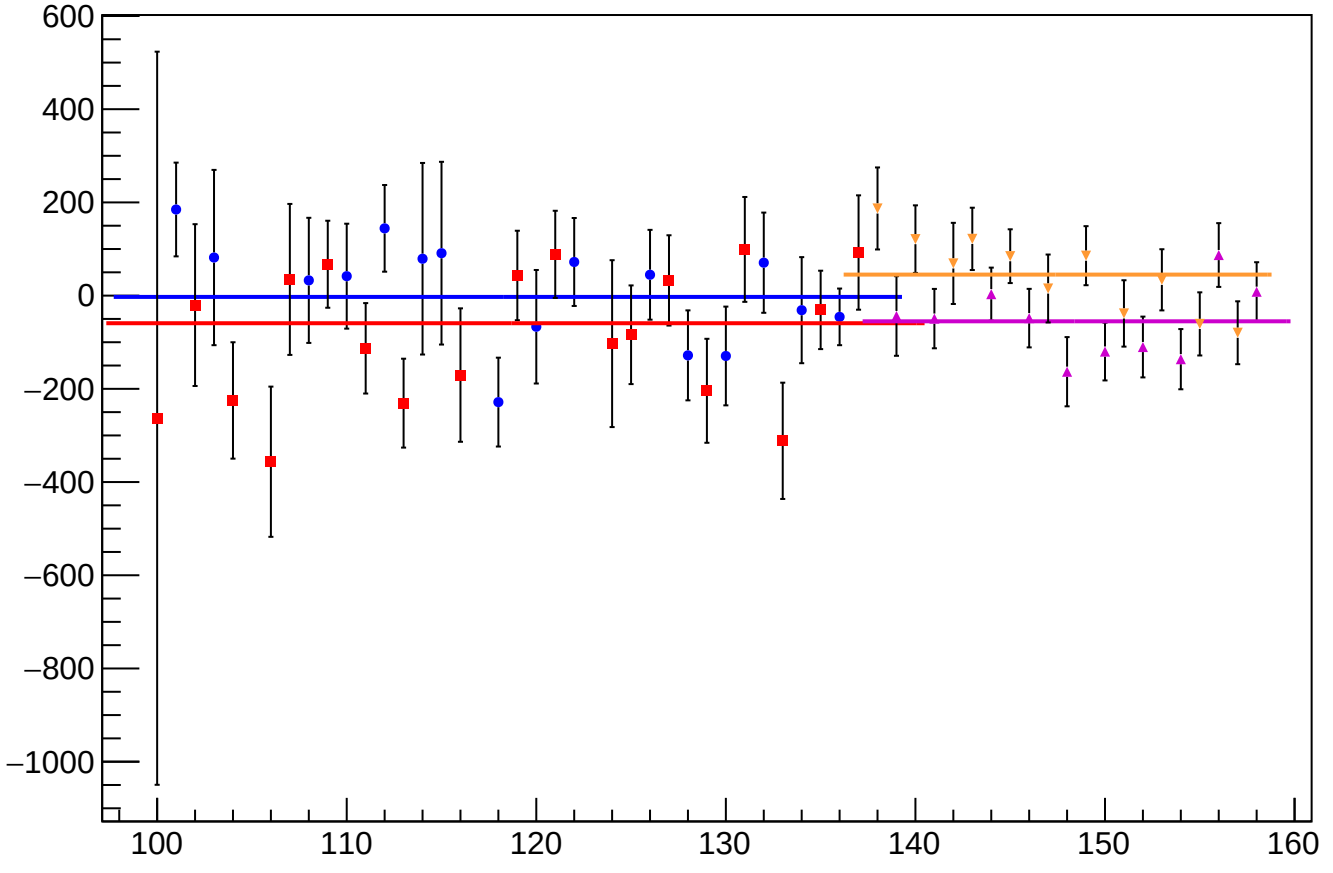
Left In: 558.051+/-0.137 χ^2/NDF:646126.2/9

+ sign 649.575+/-0.121 χ^2/NDF: 2761215.6/26

All: 648.849+/-0.085 χ^2/NDF: 5701429.8/55

- sign 648.137+/-0.120 χ^2/NDF: 2940143.0/28

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 45.105+/-20.942 χ^2/NDF:13.4/10

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

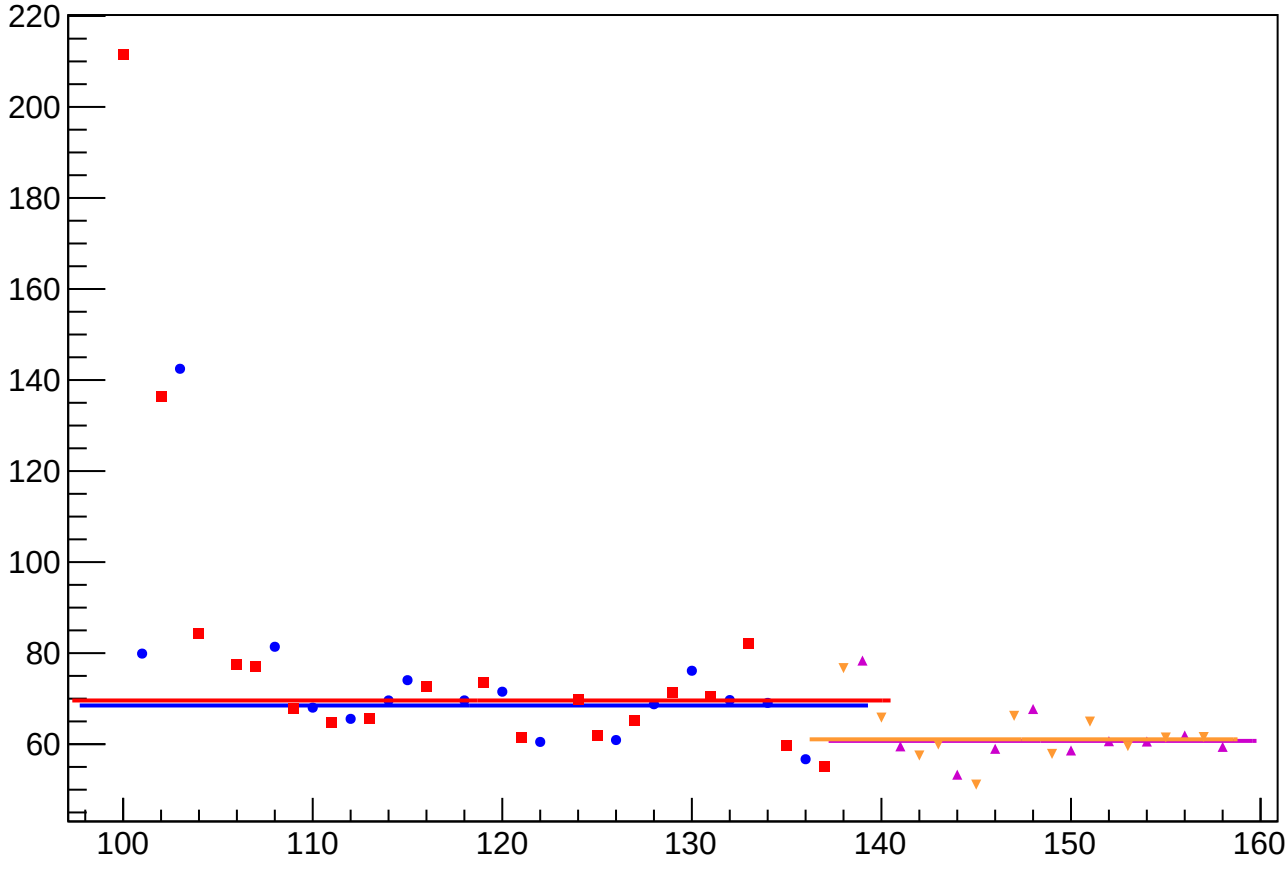
Left In: -55.105+/-20.736 χ^2/NDF:11.9/9

+ sign 26.452+/-16.362 χ^2/NDF: 33.1/26

All: -15.261+/-11.549 χ^2/NDF: 83.7/55

- sign -56.679+/-16.303 χ^2/NDF: 37.6/28

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 61.065+/-0.015 χ^2/NDF:157551.1/10

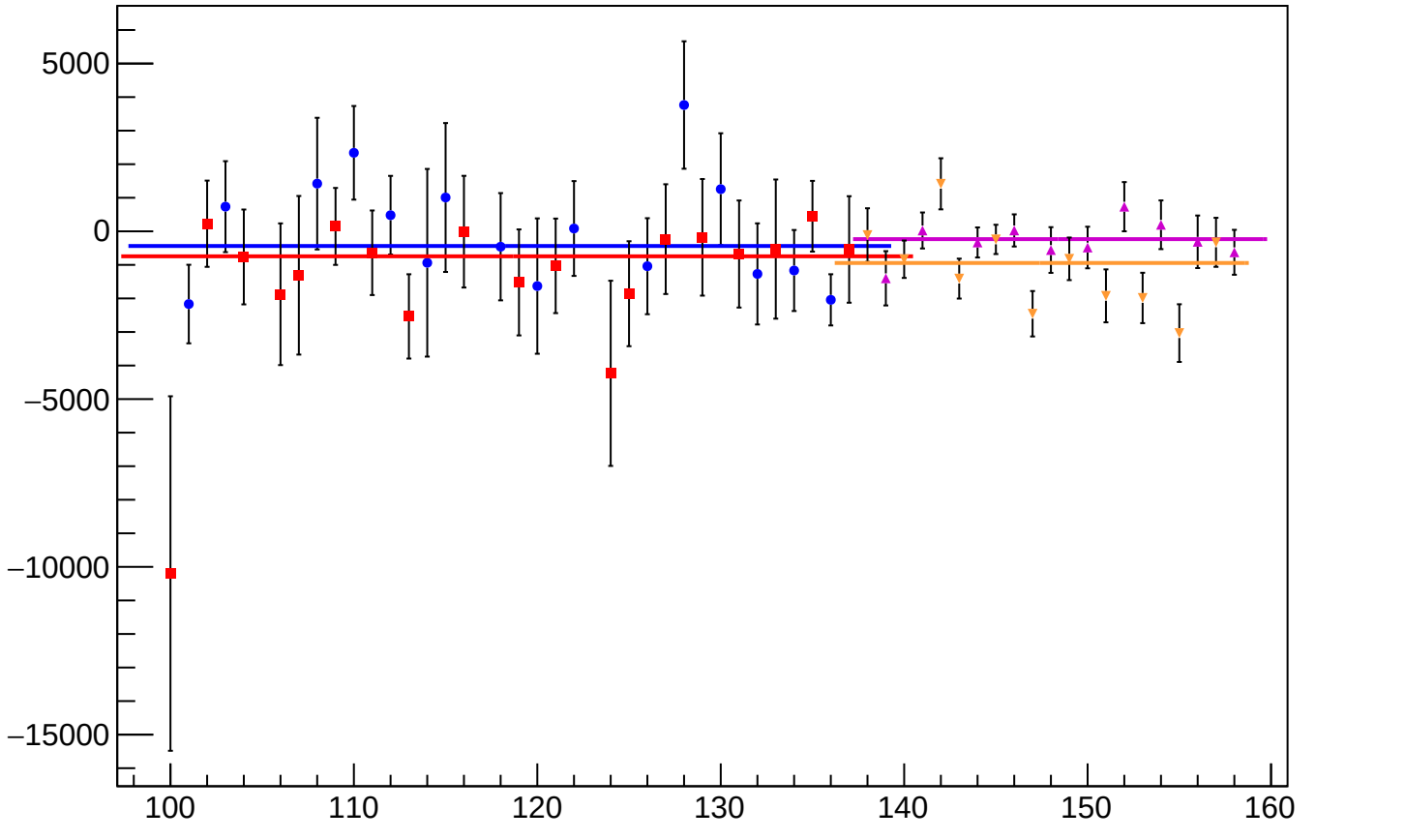
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.721+/-0.015 χ^2/NDF:143206.0/9

+ sign 63.961+/-0.012 χ^2/NDF: 727608.8/26

All: 64.036+/-0.008 χ^2/NDF: 1530736.6/55

- sign 64.111+/-0.012 χ^2/NDF: 803042.9/28



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -943.247+/-196.634 χ^2/NDF:29.1/10

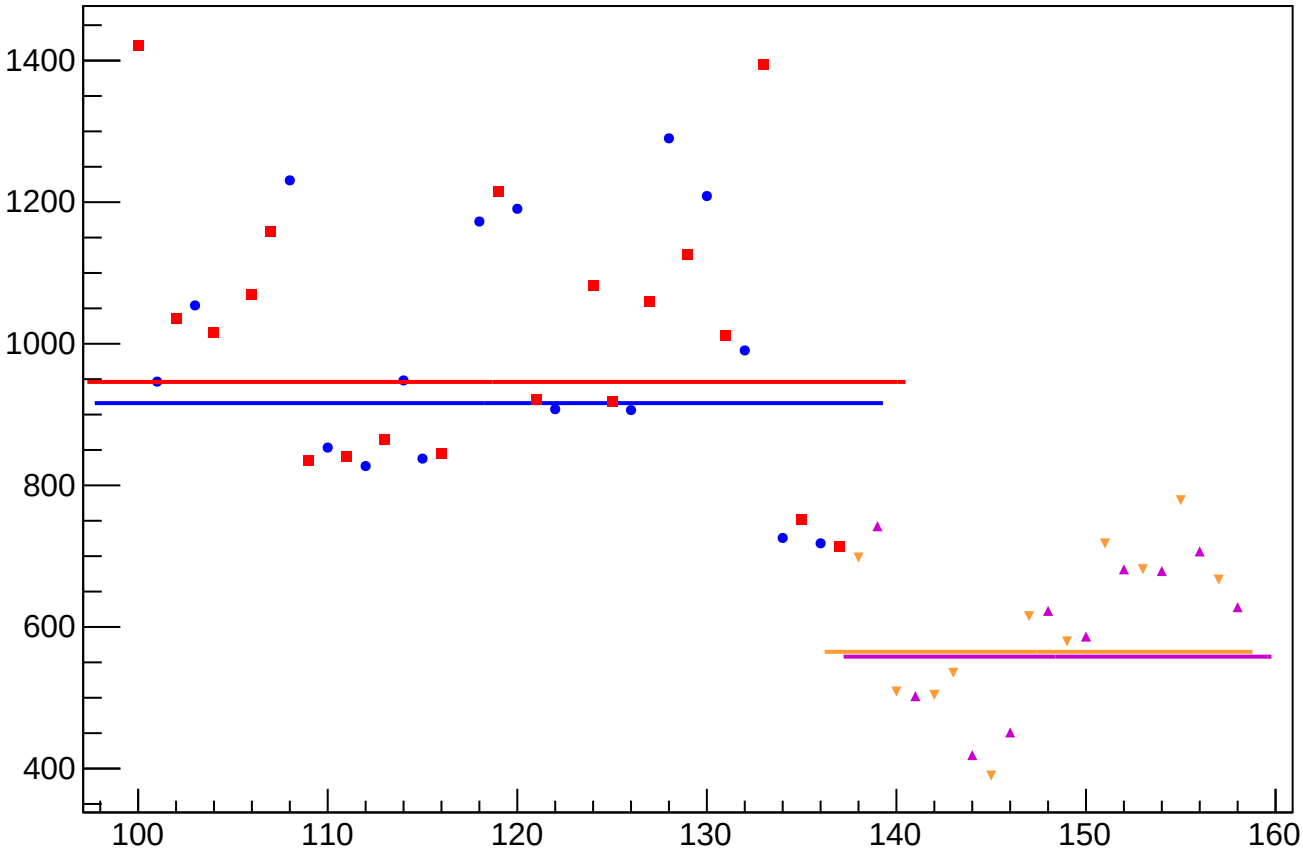
Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: -232.660+/-193.436 χ^2/NDF:5.5/9

+ sign -821.302+/-171.300 χ^2/NDF: 51.2/26

All: -583.721+/-120.554 χ^2/NDF: 73.0/55

- sign -350.585+/-169.690 χ^2/NDF: 18.0/28



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 564.888+/-0.139 χ^2/NDF:713271.7/10

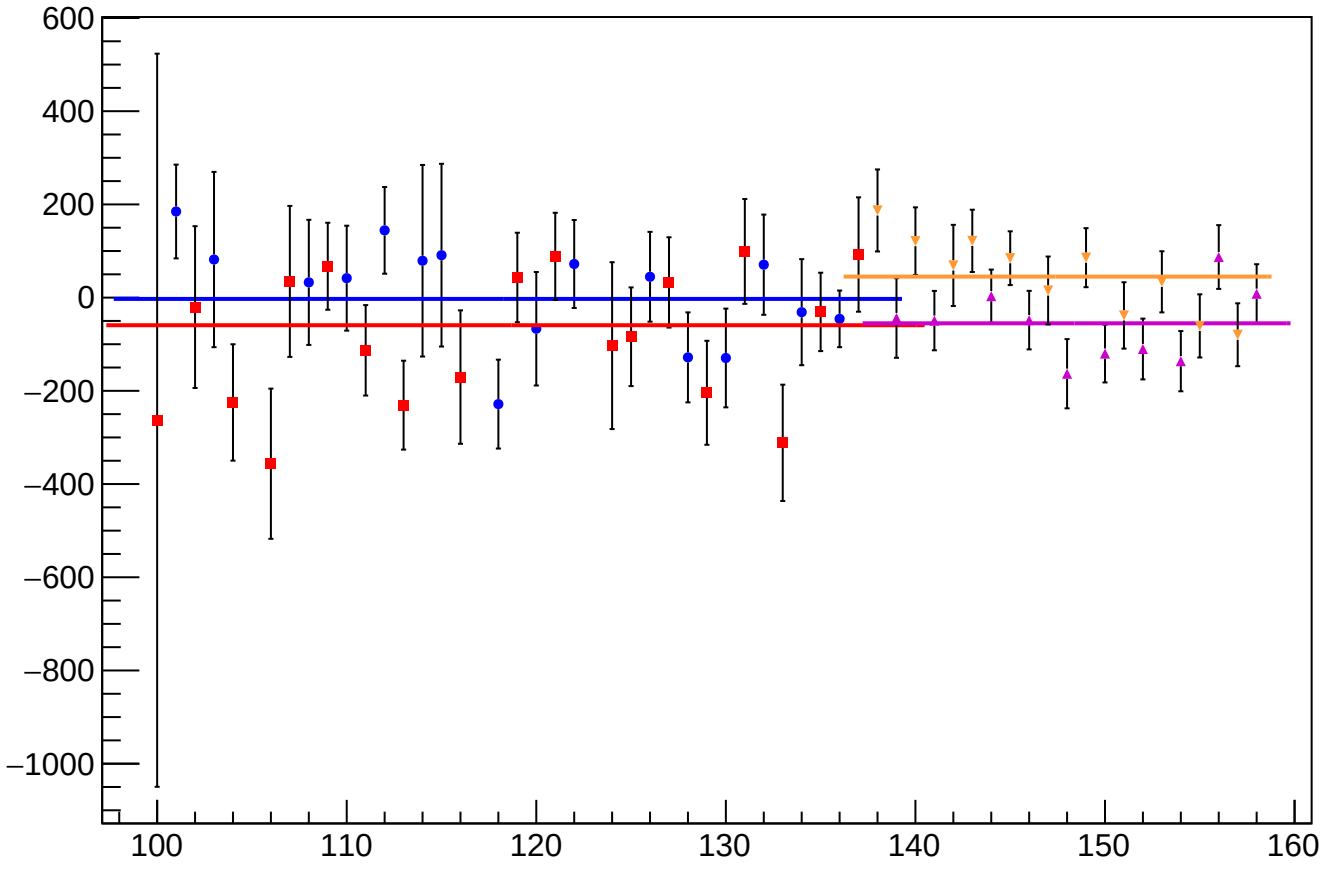
Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 558.051+/-0.137 χ^2/NDF:646124.1/9

+ sign 649.575+/-0.121 χ^2/NDF: 2761265.4/26

All: 648.514+/-0.085 χ^2/NDF: 5667672.1/55

- sign 647.472+/-0.120 χ^2/NDF: 2906254.6/28



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 45.105+/-20.942 χ^2/NDF:13.4/10

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

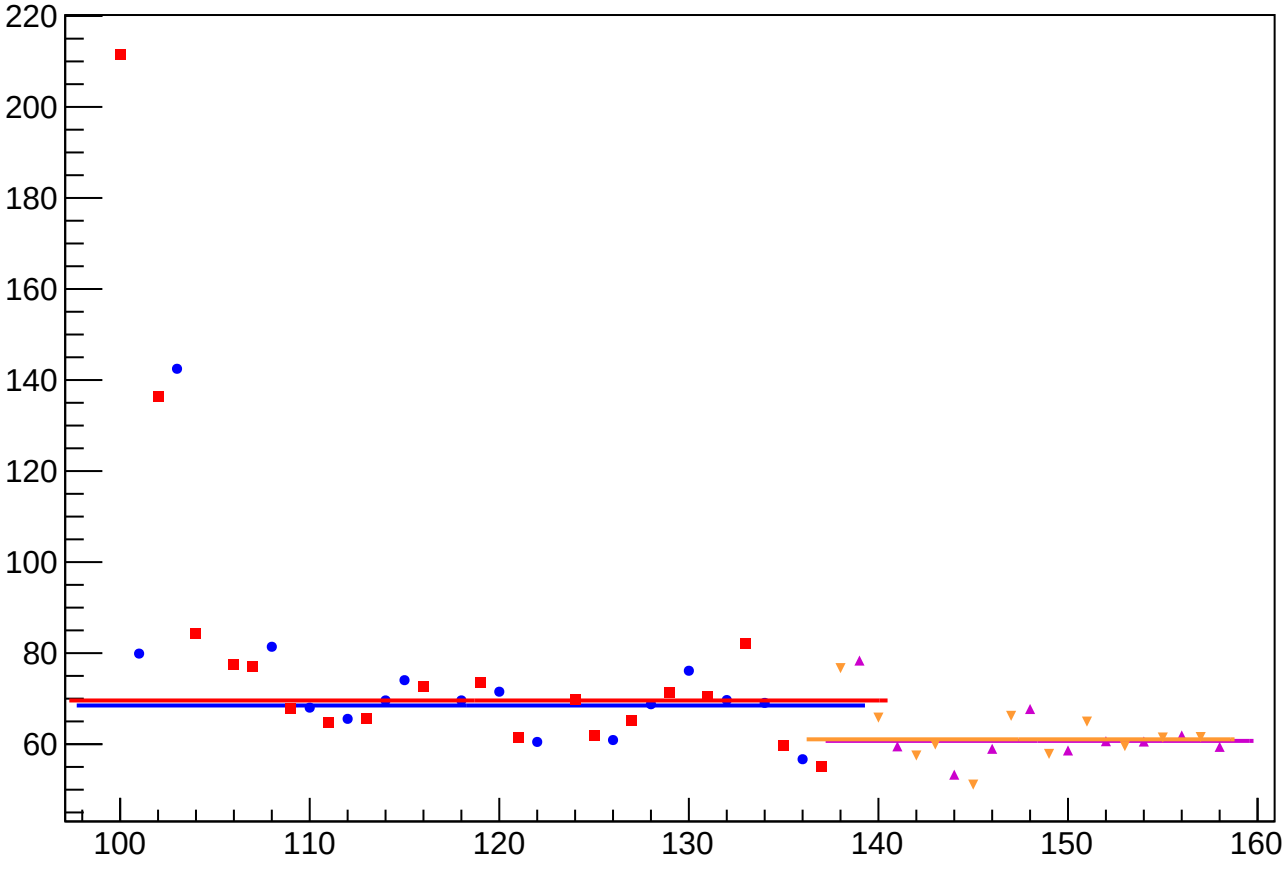
Left In: -55.105+/-20.736 χ^2/NDF:11.9/9

+ sign 26.452+/-16.362 χ^2/NDF: 33.1/26

All: -15.261+/-11.549 χ^2/NDF: 83.7/55

- sign -56.679+/-16.303 χ^2/NDF: 37.6/28

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 61.065+/-0.015 χ^2/NDF:157551.1/10

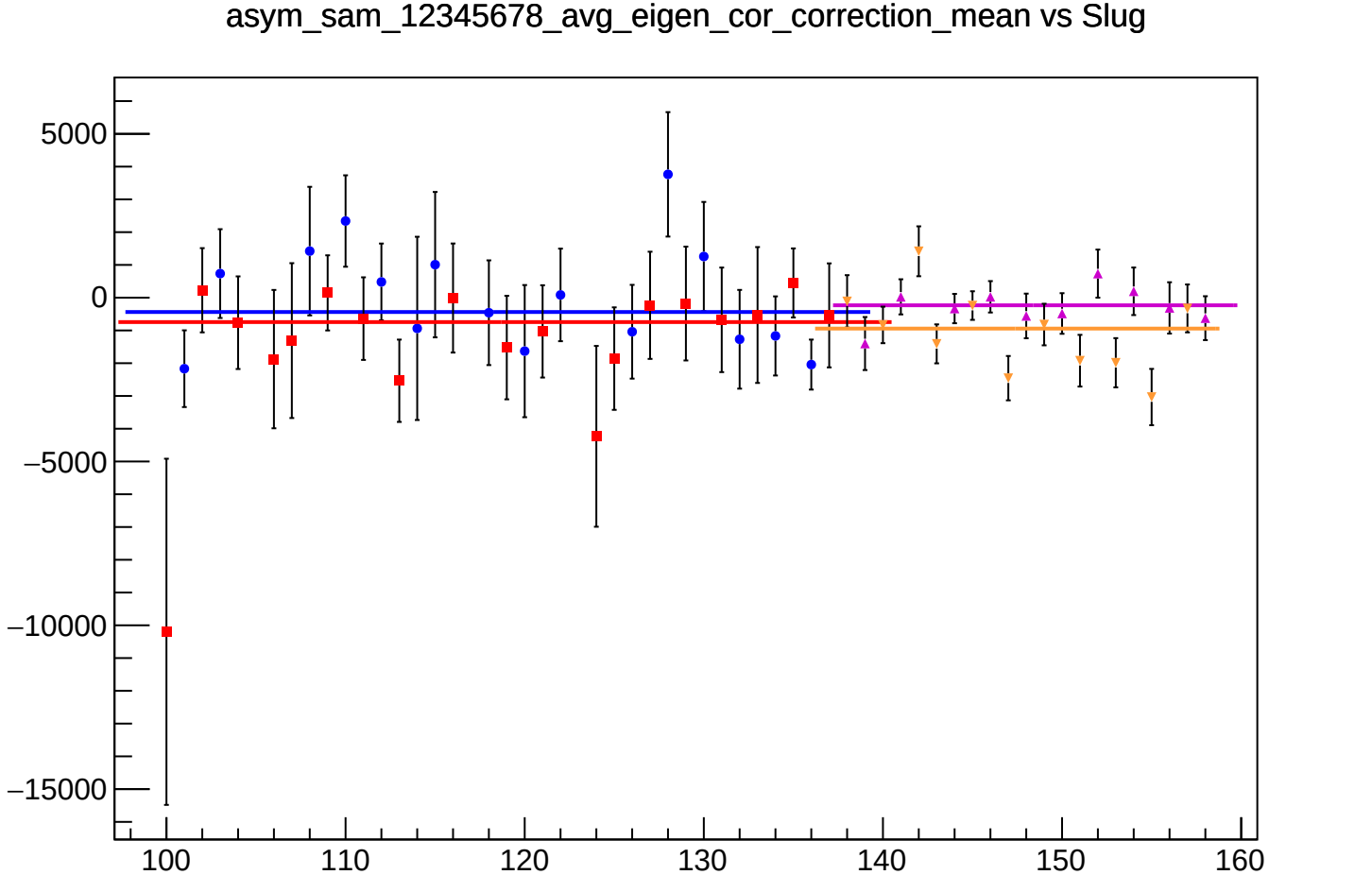
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.721+/-0.015 χ^2/NDF:143206.0/9

+ sign 63.961+/-0.012 χ^2/NDF: 727608.8/26

All: 64.036+/-0.008 χ^2/NDF: 1530736.6/55

- sign 64.111+/-0.012 χ^2/NDF: 803042.9/28



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -943.247+/-196.634 χ^2/NDF:29.1/10

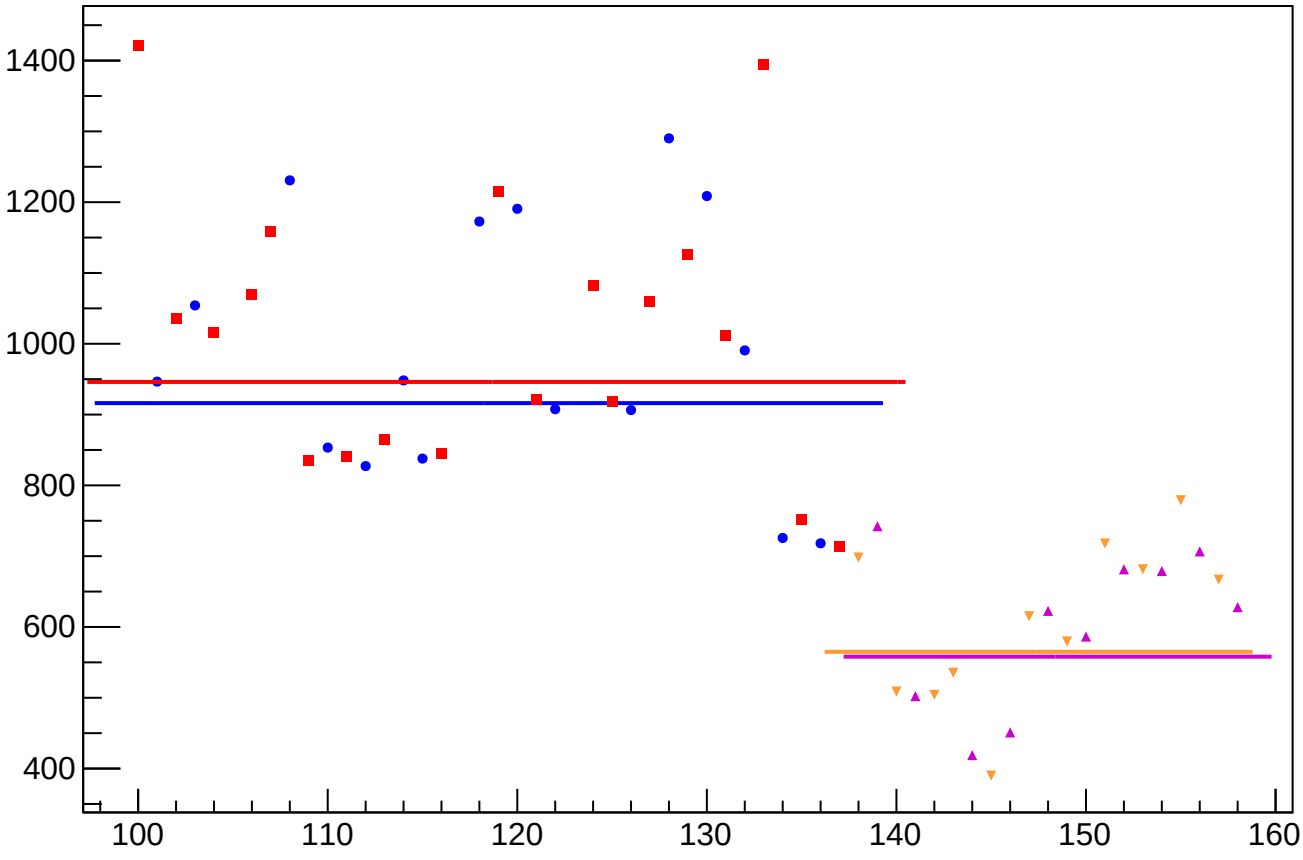
Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: -232.660+/-193.436 χ^2/NDF:5.5/9

\+ sign -821.302+/-171.300 χ^2/NDF: 51.2/26

All: -583.721+/-120.554 χ^2/NDF: 73.0/55

\- sign -350.585+/-169.690 χ^2/NDF: 18.0/28



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 564.888+/-0.139 χ^2/NDF:713271.7/10

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

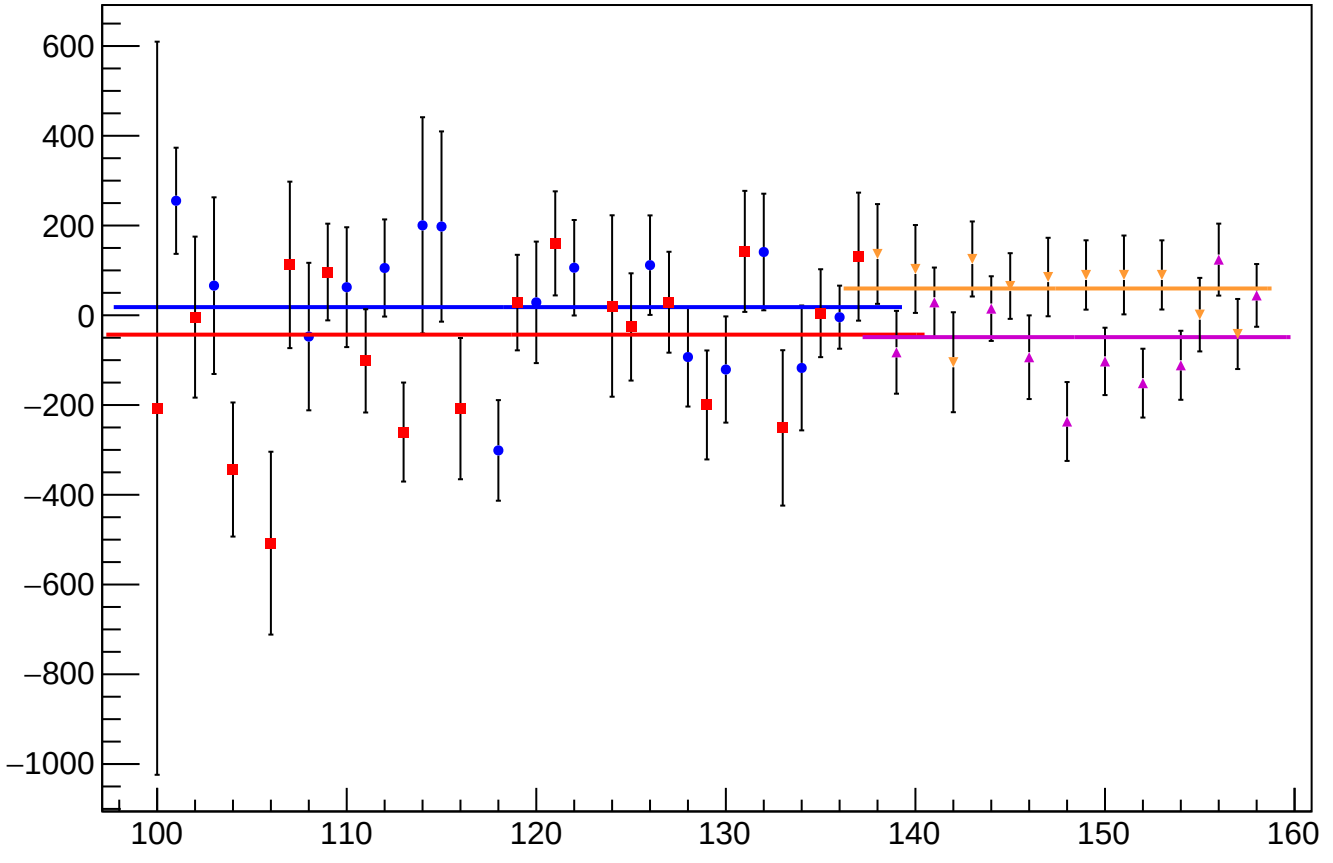
Left In: 558.051+/-0.137 χ^2/NDF:646124.1/9

+ sign 649.575+/-0.121 χ^2/NDF: 2761265.4/26

All: 648.514+/-0.085 χ^2/NDF: 5667672.1/55

- sign 647.472+/-0.120 χ^2/NDF: 2906254.6/28

dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 59.695+/-25.779 χ^2/NDF:6.2/10

Right Out: -43.146+/-30.707 χ^2/NDF: 27.7/18

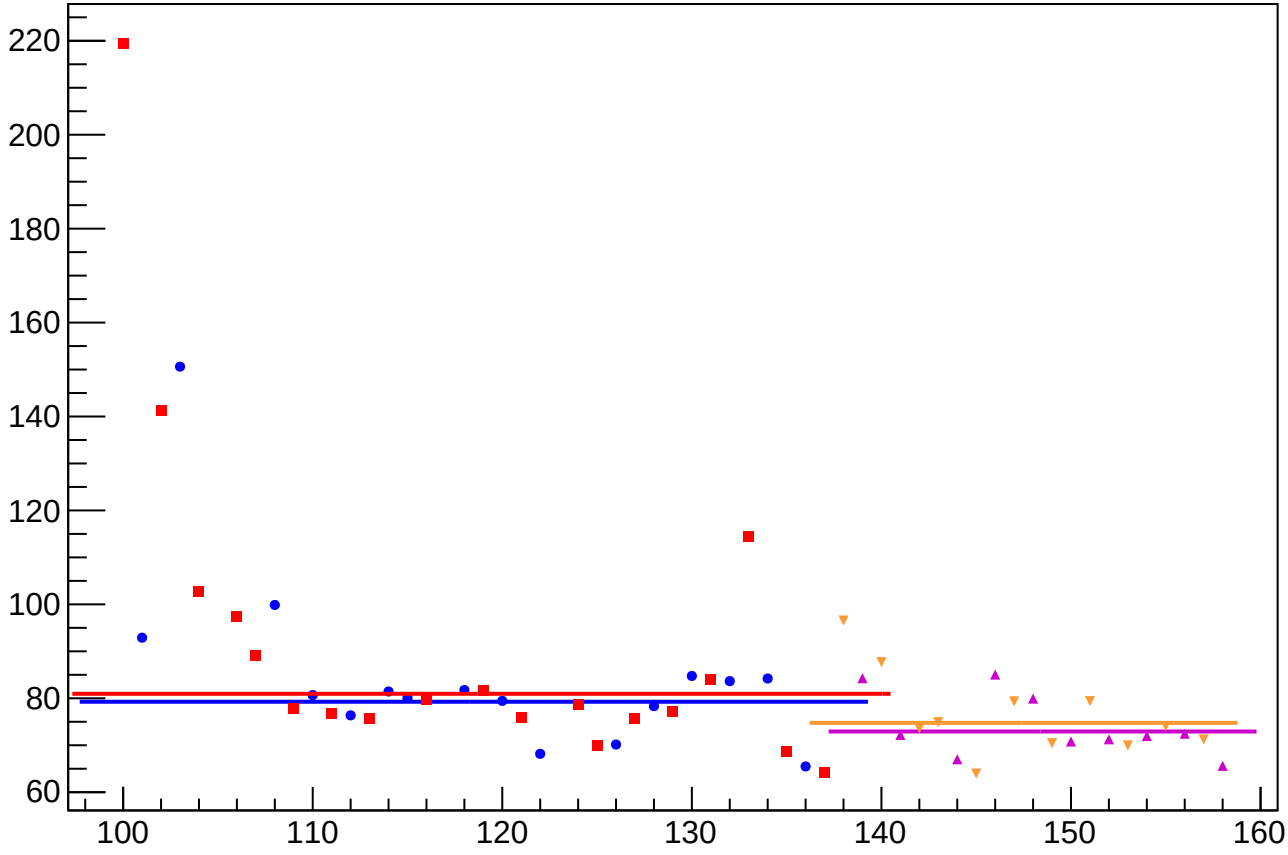
Left In: -48.706+/-25.015 χ^2/NDF:16.1/9

+ sign 42.292+/-19.647 χ^2/NDF: 27.4/26

All: -2.672+/-13.802 χ^2/NDF: 81.6/55

- sign -46.488+/-19.394 χ^2/NDF: 43.8/28

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 74.765+/-0.018 χ^2/NDF:184714.5/10

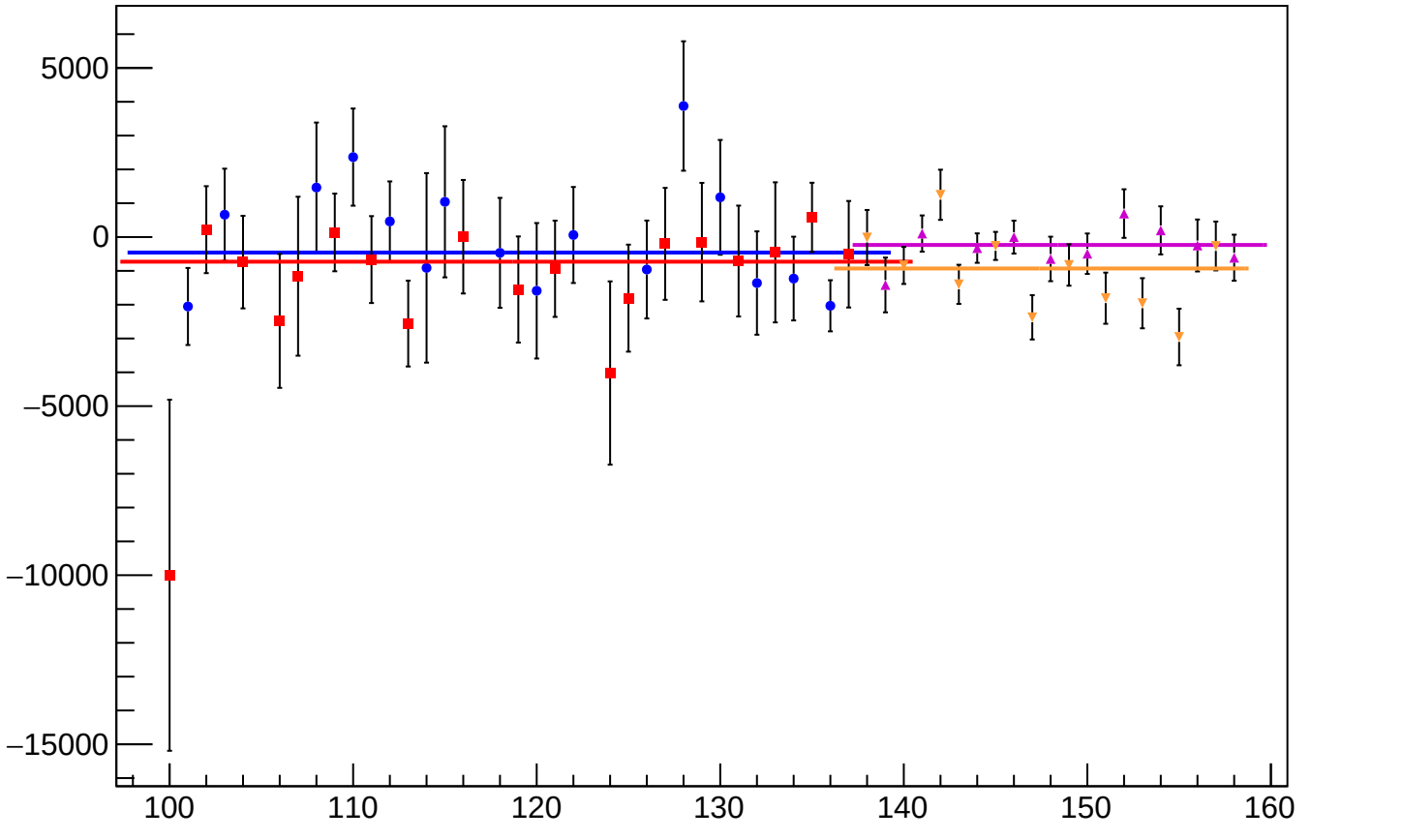
Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 72.923+/-0.018 χ^2/NDF:115215.4/9

+ sign 76.651+/-0.014 χ^2/NDF: 655183.2/26

All: 76.386+/-0.010 χ^2/NDF: 1367620.8/55

- sign 76.128+/-0.014 χ^2/NDF: 711721.4/28



Right In: -458.108+/-350.075 χ^2/NDF: 20.3/15

Left Out: -930.006+/-191.200 χ^2/NDF:28.0/10

Right Out: -728.750+/-352.574 χ^2/NDF: 11.5/18

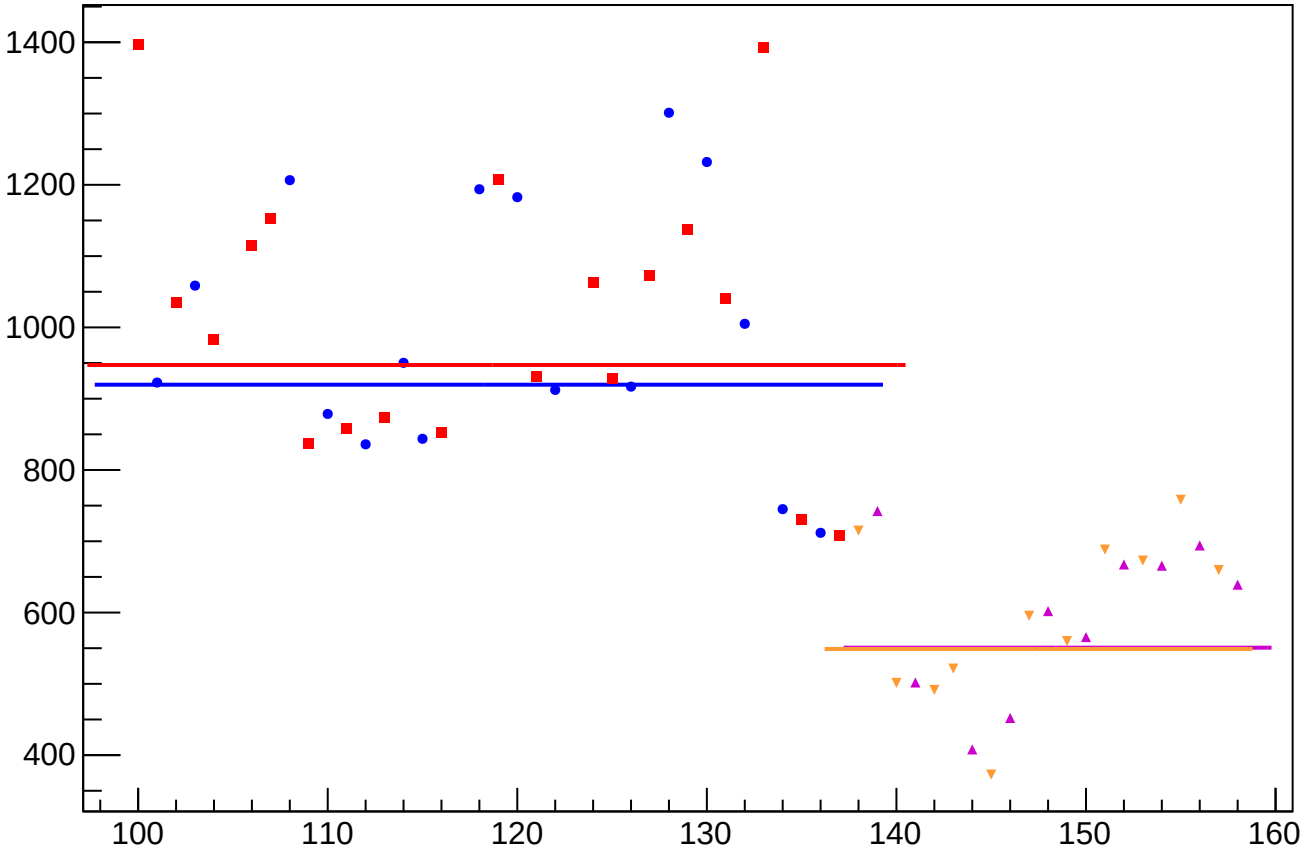
Left In: -234.089+/-191.038 χ^2/NDF:5.7/9

\+ sign -821.582+/-167.803 χ^2/NDF: 49.7/26

All: -584.199+/-118.712 χ^2/NDF: 72.5/55

\- sign -346.356+/-167.966 χ^2/NDF: 18.8/28

asym_sam_12345678_avg_dit_correction_rms vs Slug



Right In: 919.638+/-0.248 χ^2/NDF: 515443.8/15

Left Out: 548.915+/-0.135 χ^2/NDF:781946.0/10

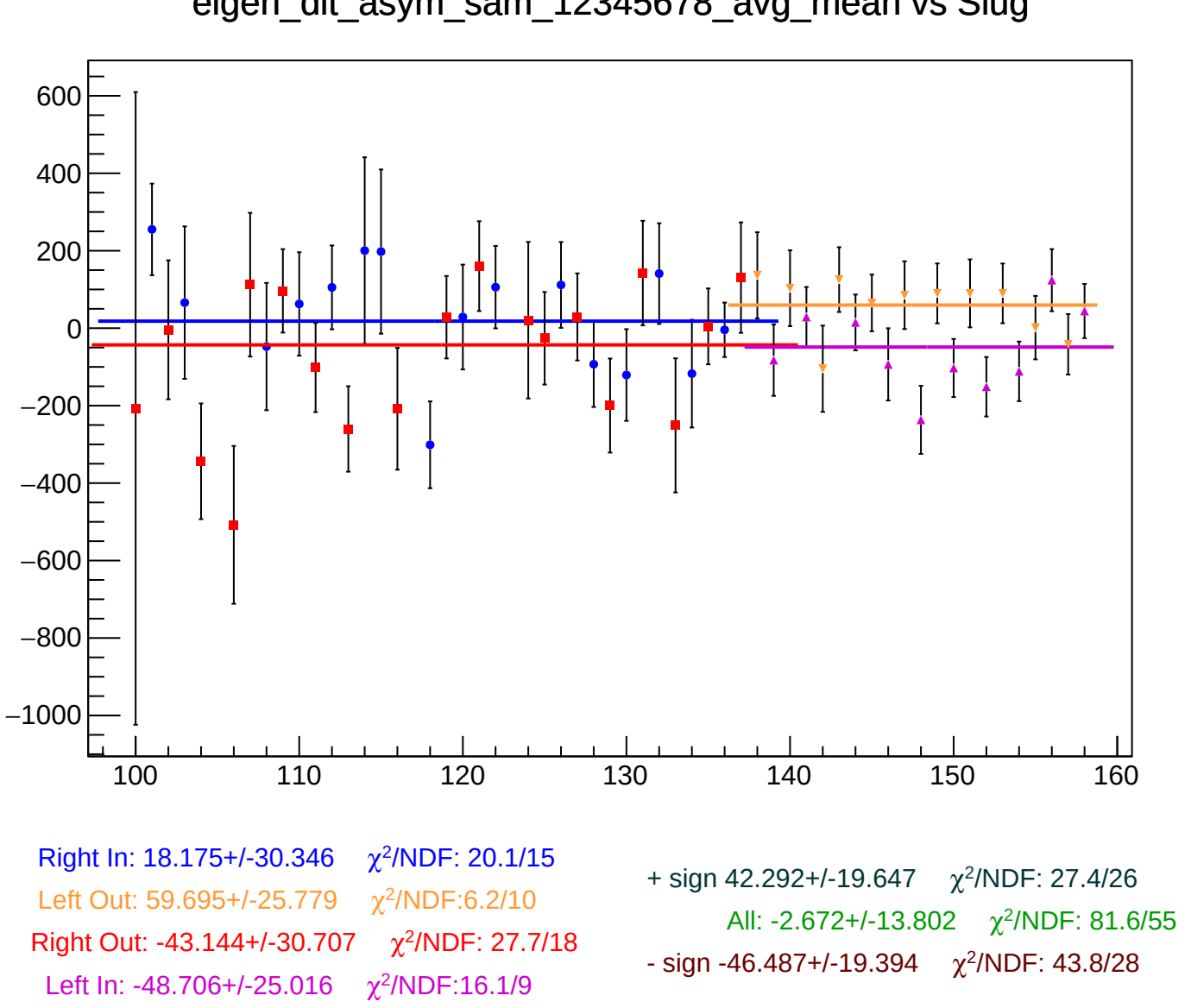
Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

Left In: 550.729+/-0.135 χ^2/NDF:647824.1/9

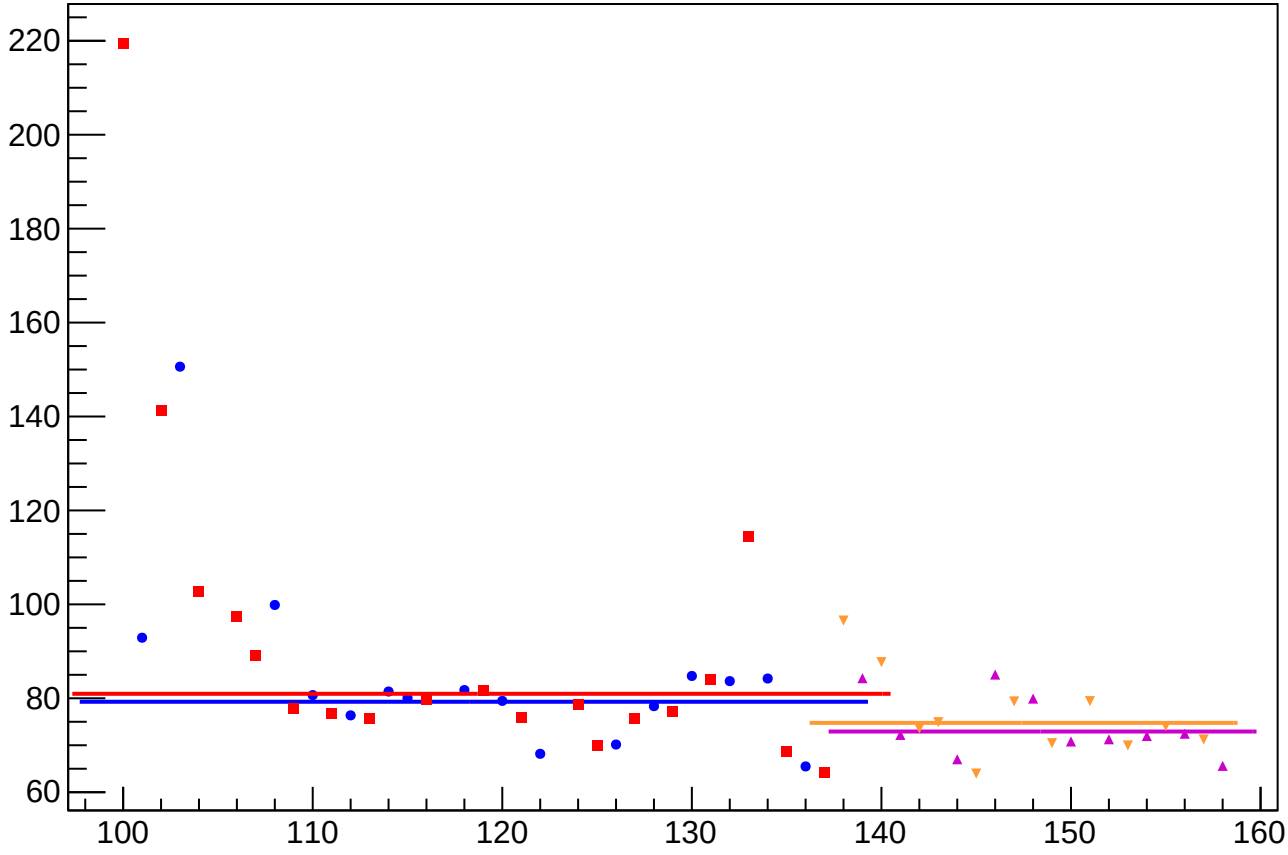
\+ sign 634.093+/-0.119 χ^2/NDF: 3024950.5/26

All: 637.407+/-0.084 χ^2/NDF: 6055655.4/55

\- sign 640.727+/-0.119 χ^2/NDF: 3029143.5/28


eigen_dit_asym_sam_12345678_avg_mean vs Slug
600
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
160
Right In: 18.175+/-30.346 χ²/NDF: 20.1/15
Left Out: 59.695+/-25.779 χ²/NDF:6.2/10
Right Out: -43.144+/-30.707 χ²/NDF: 27.7/18
Left In: -48.706+/-25.016 χ²/NDF:16.1/9
+ sign 42.292+/-19.647 χ²/NDF: 27.4/26
All: -2.672+/-13.802 χ²/NDF: 81.6/55
- sign -46.487+/-19.394 χ²/NDF: 43.8/28

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 74.766+/-0.018 χ^2/NDF:184707.0/10

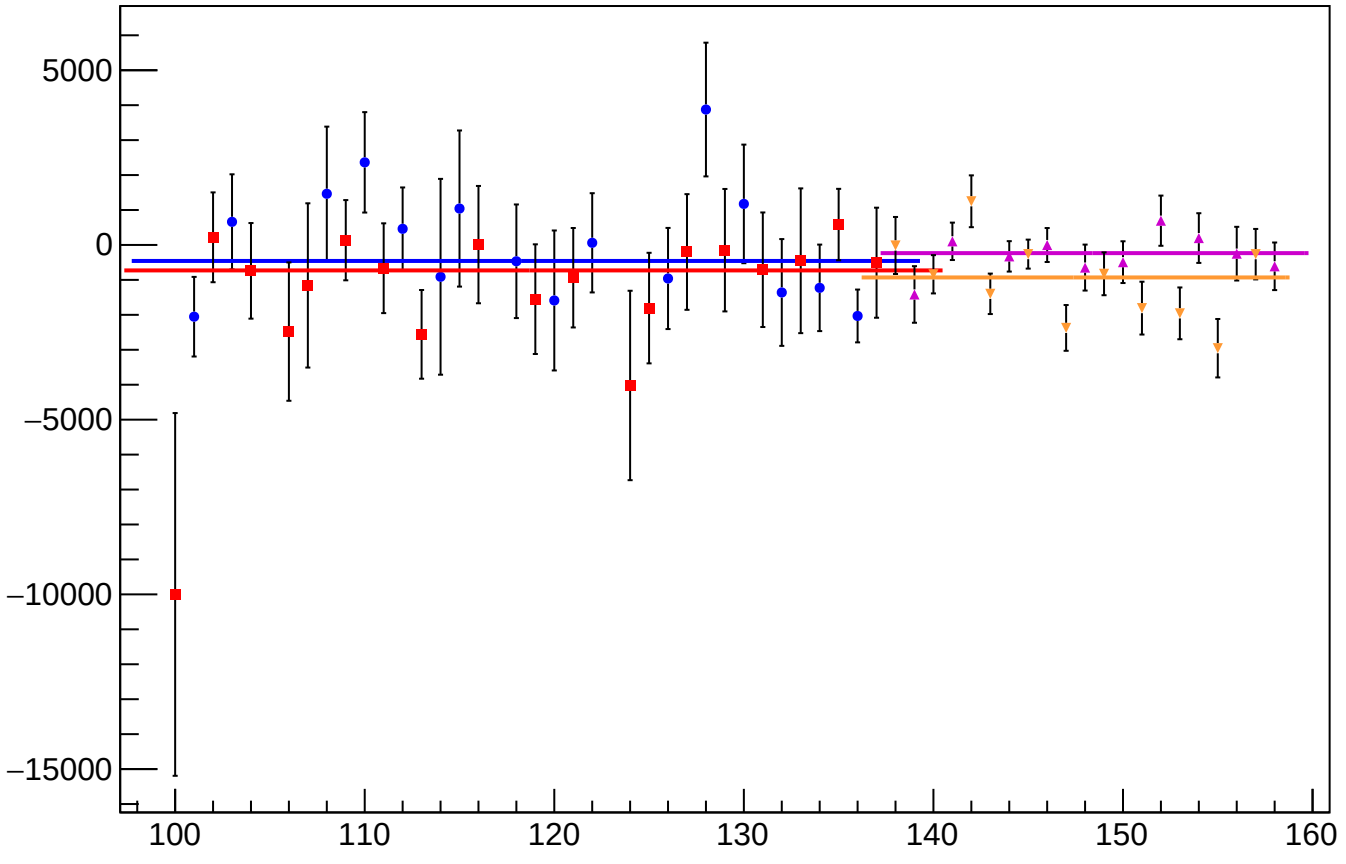
Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 72.923+/-0.018 χ^2/NDF:115217.0/9

+ sign 76.651+/-0.014 χ^2/NDF: 655165.7/26

All: 76.386+/-0.010 χ^2/NDF: 1367603.9/55

- sign 76.128+/-0.014 χ^2/NDF: 711721.9/28



Right In: -458.104+/-350.074 χ^2/NDF: 20.3/15

Left Out: -930.006+/-191.200 χ^2/NDF:28.0/10

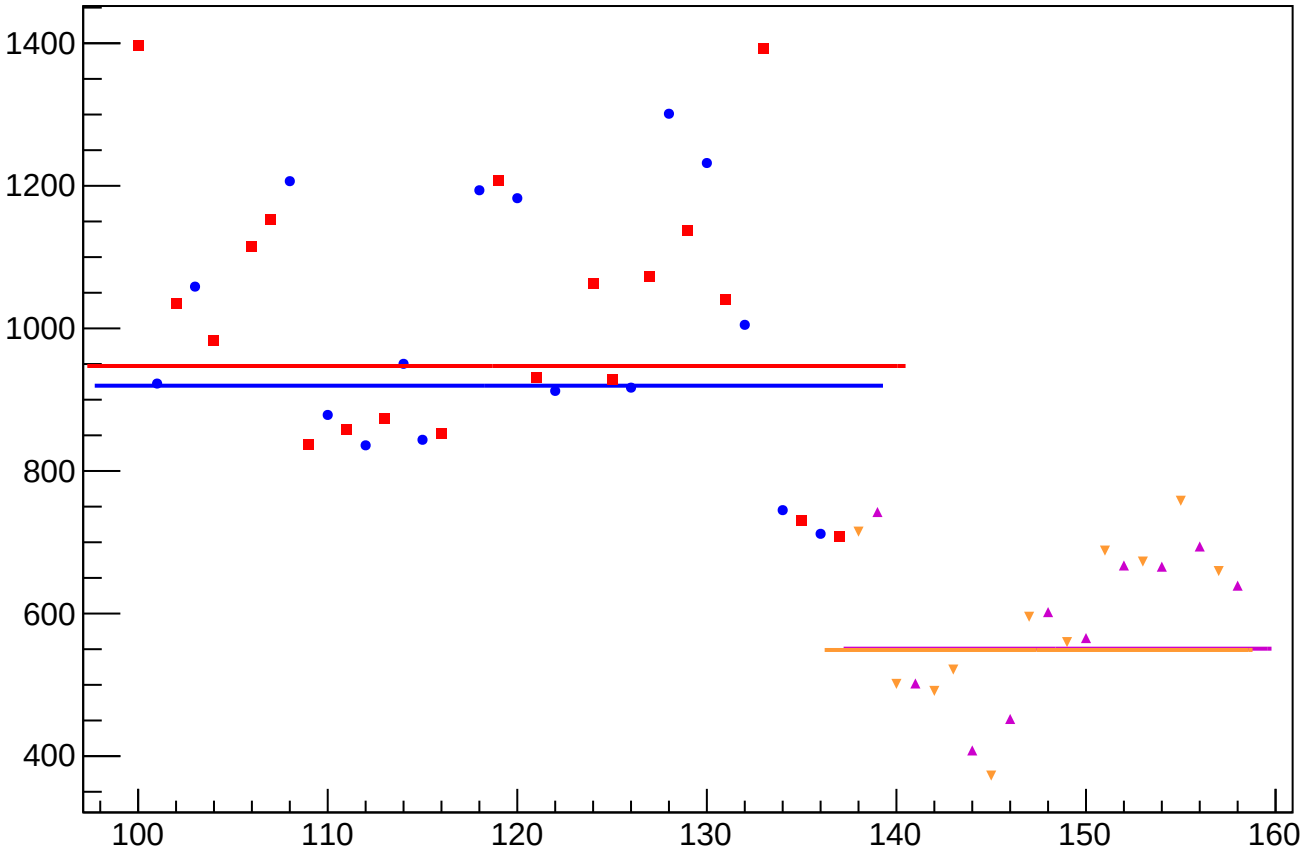
Right Out: -728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: -234.089+/-191.037 χ^2/NDF:5.7/9

+ sign -821.581+/-167.803 χ^2/NDF: 49.7/26

All: -584.198+/-118.712 χ^2/NDF: 72.5/55

- sign -346.355+/-167.966 χ^2/NDF: 18.8/28



Right In: 919.636+/-0.248 χ^2/NDF: 515443.9/15

Left Out: 548.914+/-0.135 χ^2/NDF:781950.5/10

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

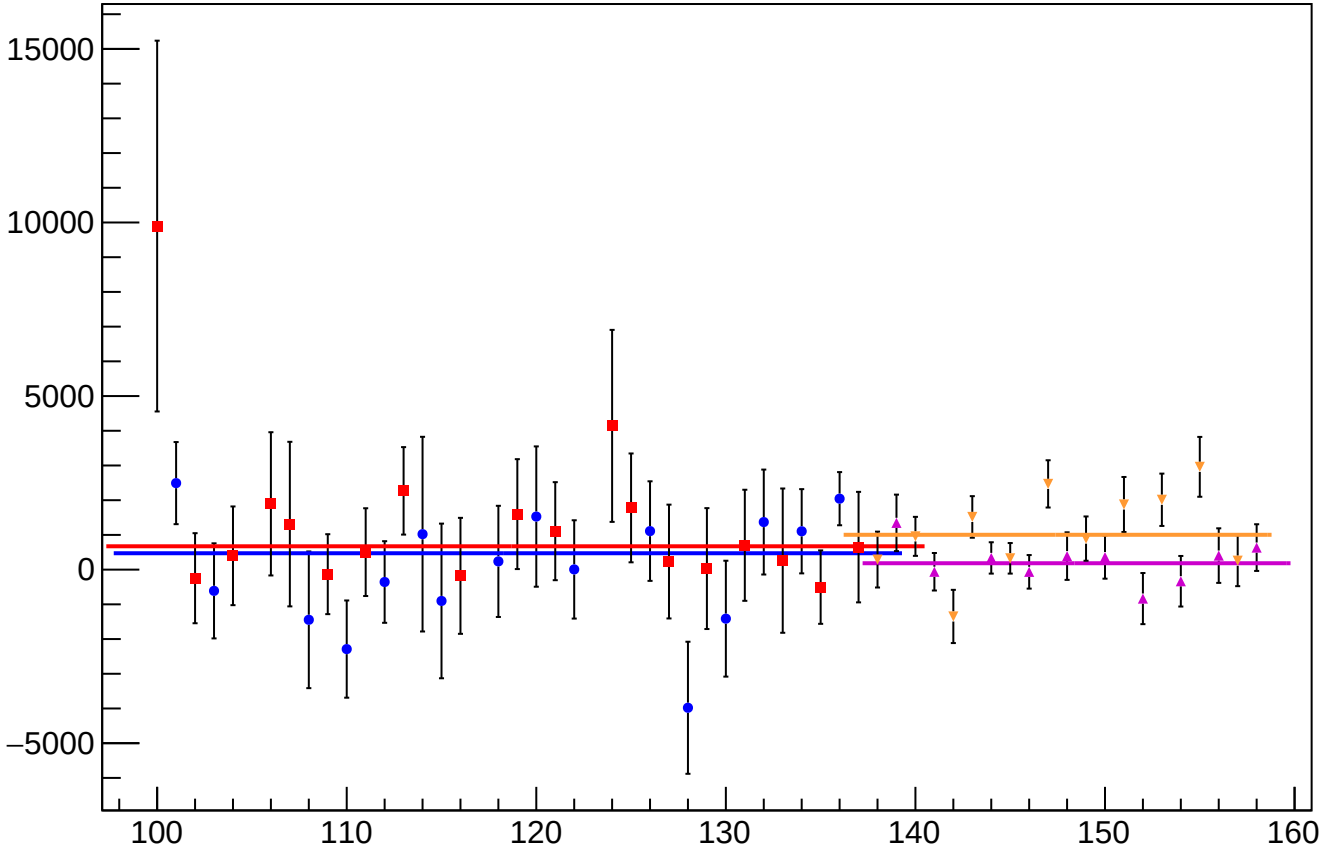
Left In: 550.729+/-0.135 χ^2/NDF:647823.2/9

+ sign 634.092+/-0.119 χ^2/NDF: 3024951.6/26

All: 637.406+/-0.084 χ^2/NDF: 6055649.2/55

- sign 640.726+/-0.119 χ^2/NDF: 3029136.0/28

asym_sam_12345678_avg_mean vs Slug



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 1003.497+/-197.896 χ^2/NDF:27.2/10

Right Out: 672.537+/-354.512 χ^2/NDF: 10.3/18

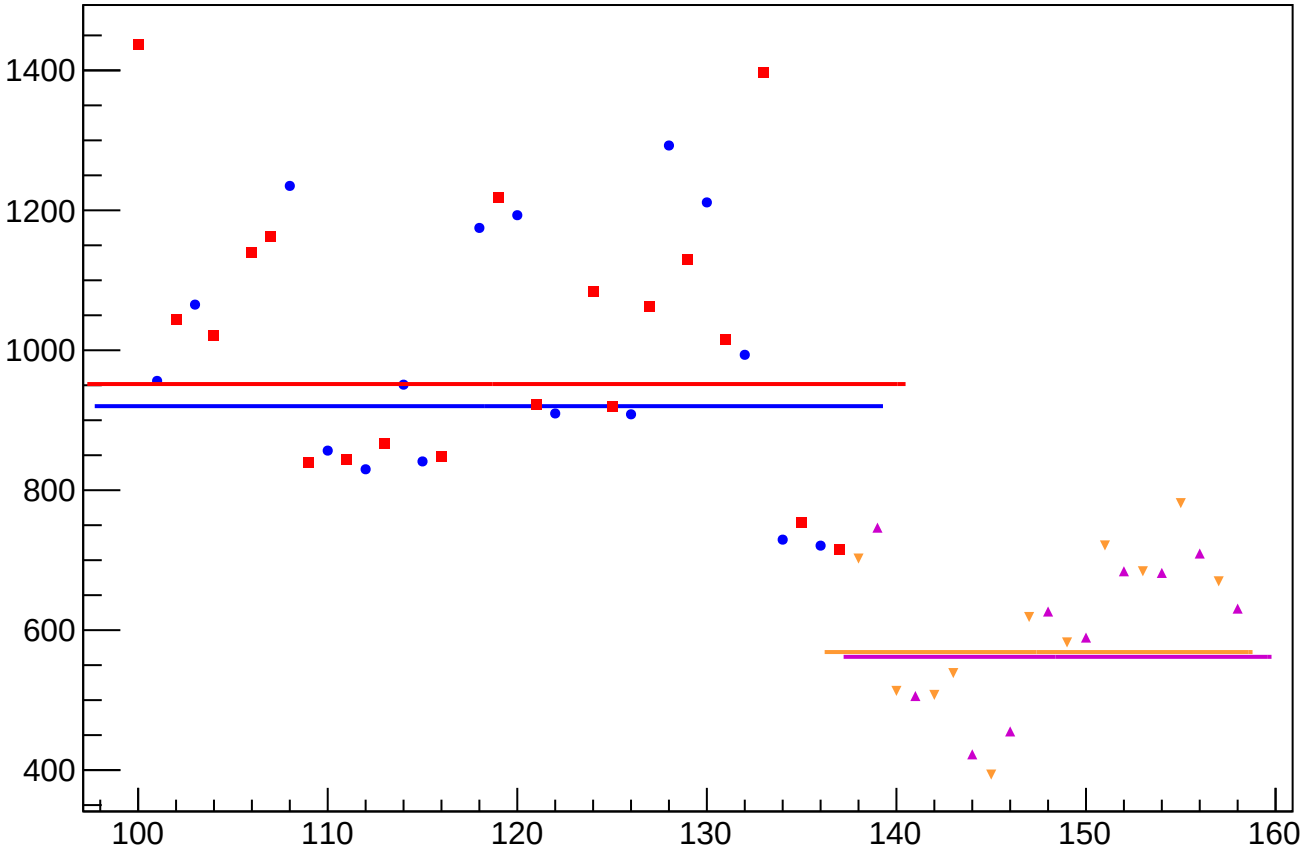
Left In: 184.146+/-194.687 χ^2/NDF:5.7/9

\+ sign 874.954+/-172.311 χ^2/NDF: 50.4/26

All: 583.331+/-121.250 χ^2/NDF: 73.6/55

\- sign 297.310+/-170.648 χ^2/NDF: 17.5/28

asym_sam_12345678_avg_rms vs Slug



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 568.719+/-0.140 χ^2/NDF:701351.9/10

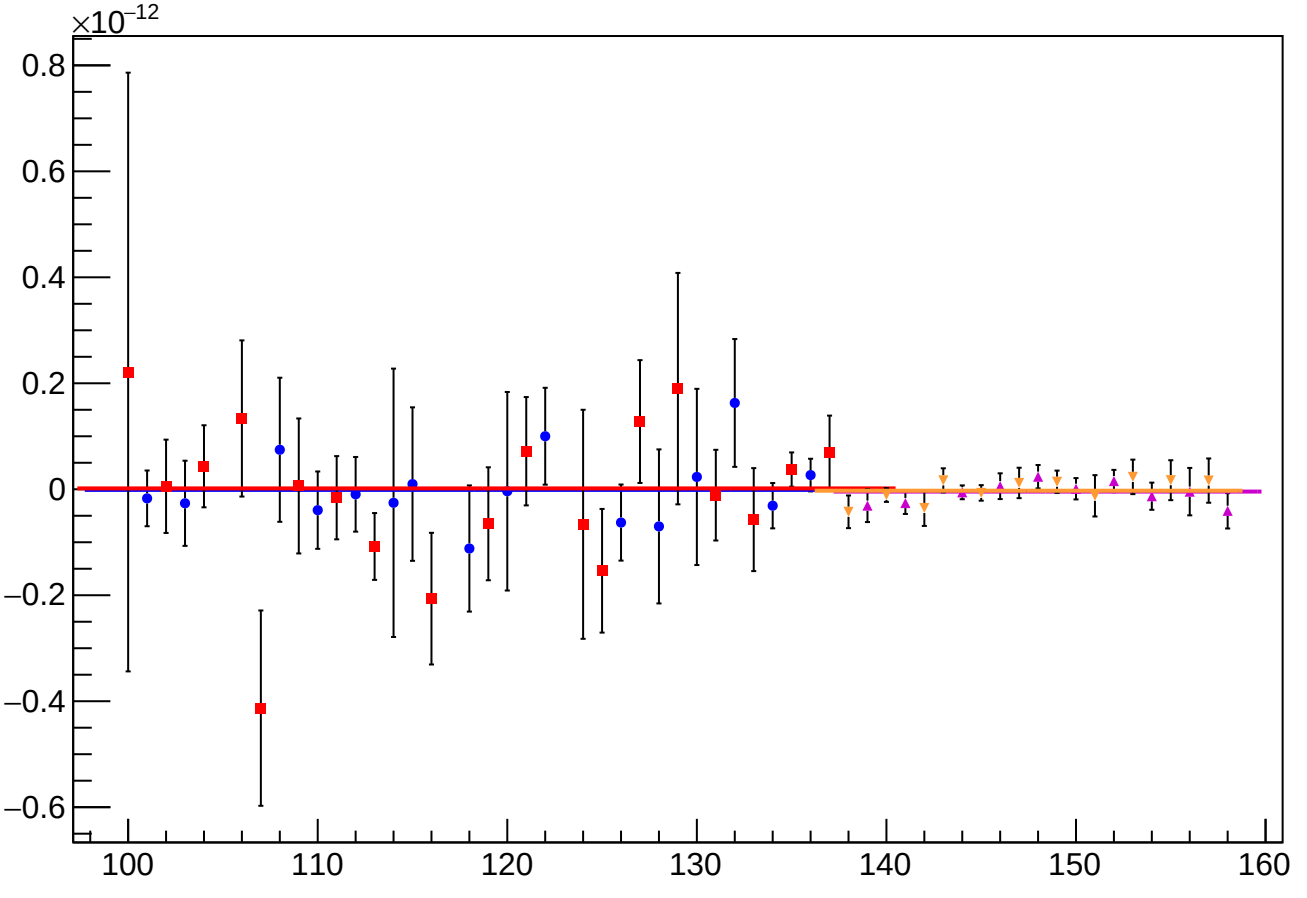
Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 561.866+/-0.138 χ^2/NDF:634789.2/9

+ sign 653.709+/-0.122 χ^2/NDF: 2735253.1/26

All: 652.947+/-0.086 χ^2/NDF: 5644521.6/55

- sign 652.199+/-0.121 χ^2/NDF: 2909191.0/28



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.9/10

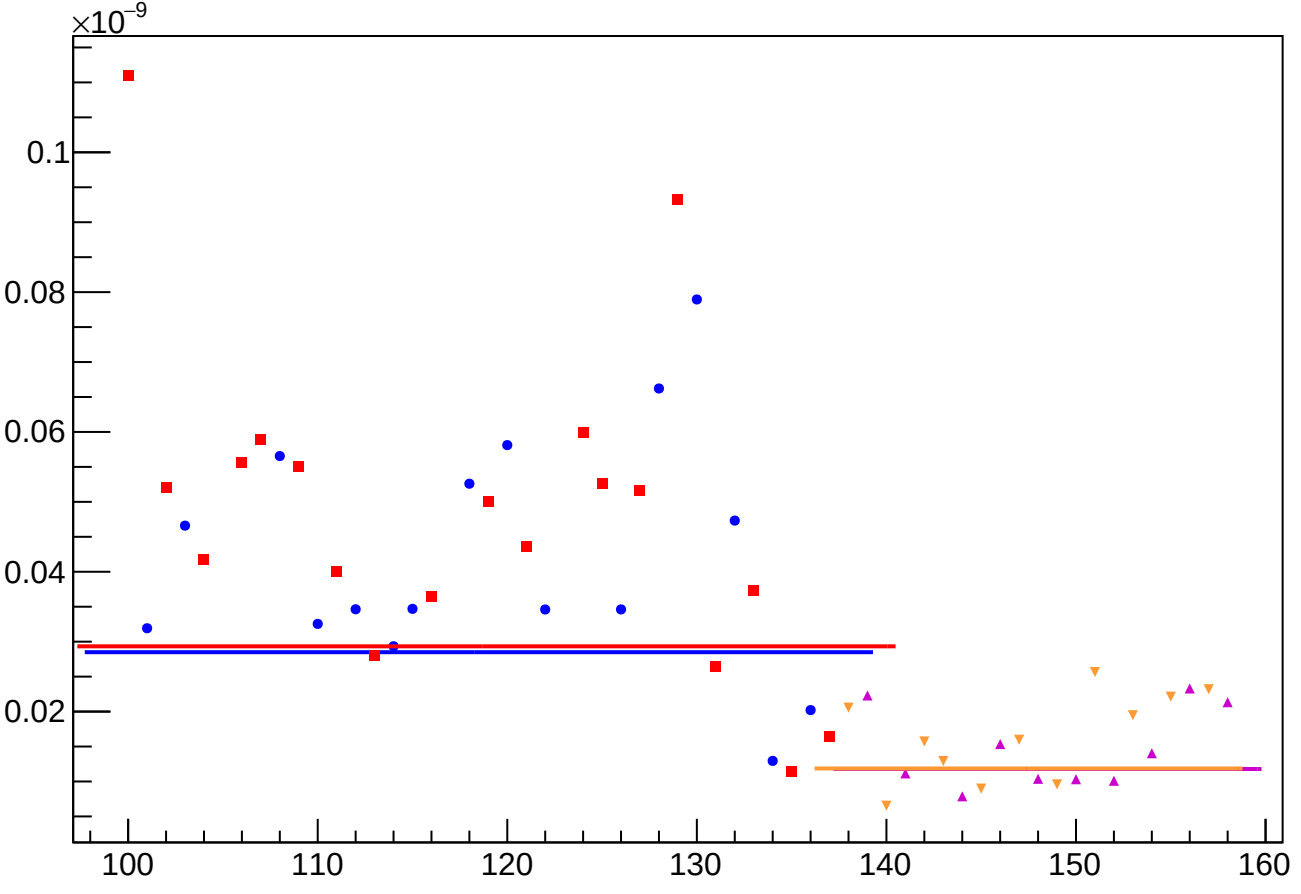
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: -0.000+/-0.000 χ^2/NDF:5.9/9

+ sign -0.000+/-0.000 χ^2/NDF: 12.9/26

All: -0.000+/-0.000 χ^2/NDF: 38.3/55

- sign -0.000+/-0.000 χ^2/NDF: 25.4/28



Right In: 0.000+/-0.000 χ^2/NDF: 1152293.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1317893.6/10

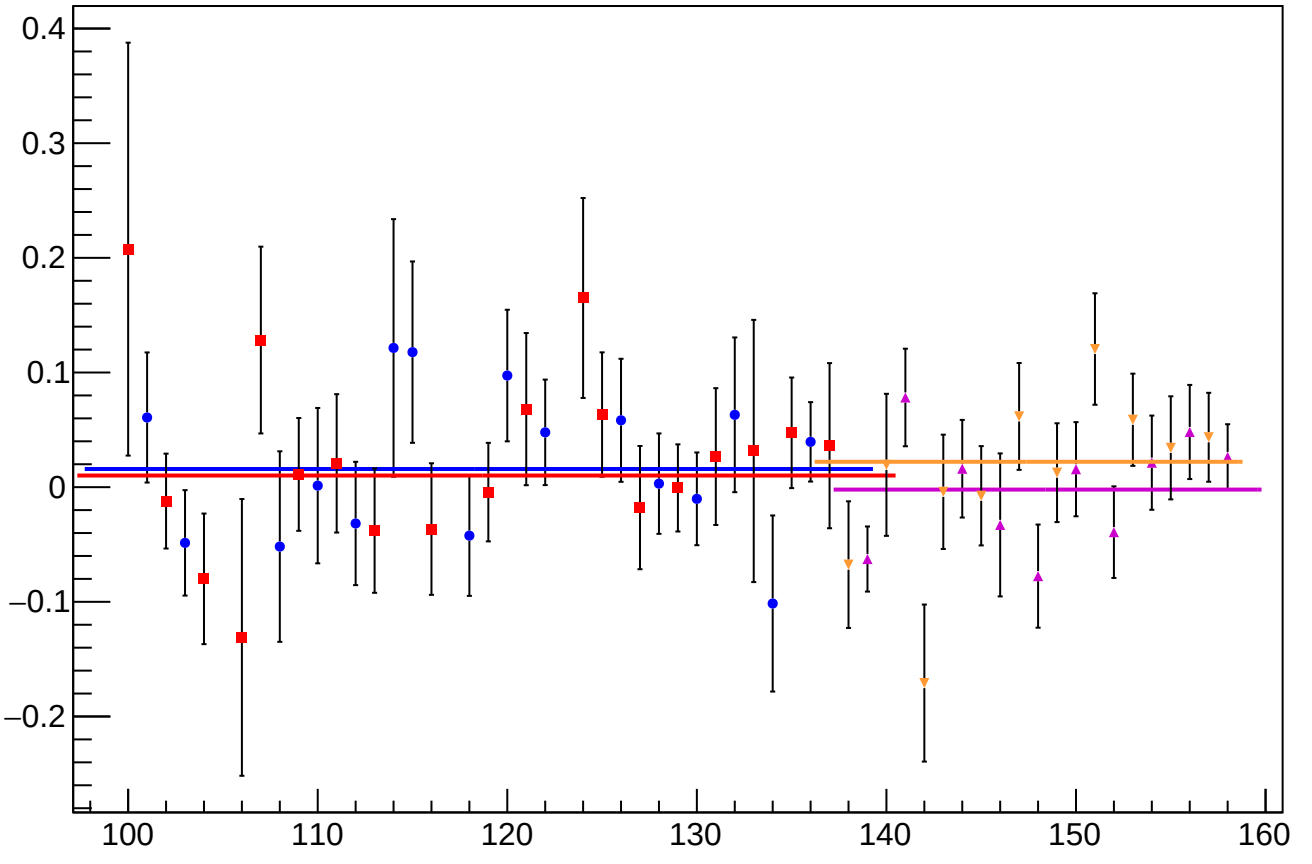
Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

Left In: 0.000+/-0.000 χ^2/NDF:796748.1/9

+ sign 0.000+/-0.000 χ^2/NDF: 3999059.4/26

All: 0.000+/-0.000 χ^2/NDF: 7911831.2/55

- sign 0.000+/-0.000 χ^2/NDF: 3911085.0/28



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.022+/-0.014 χ^2/NDF:17.4/10

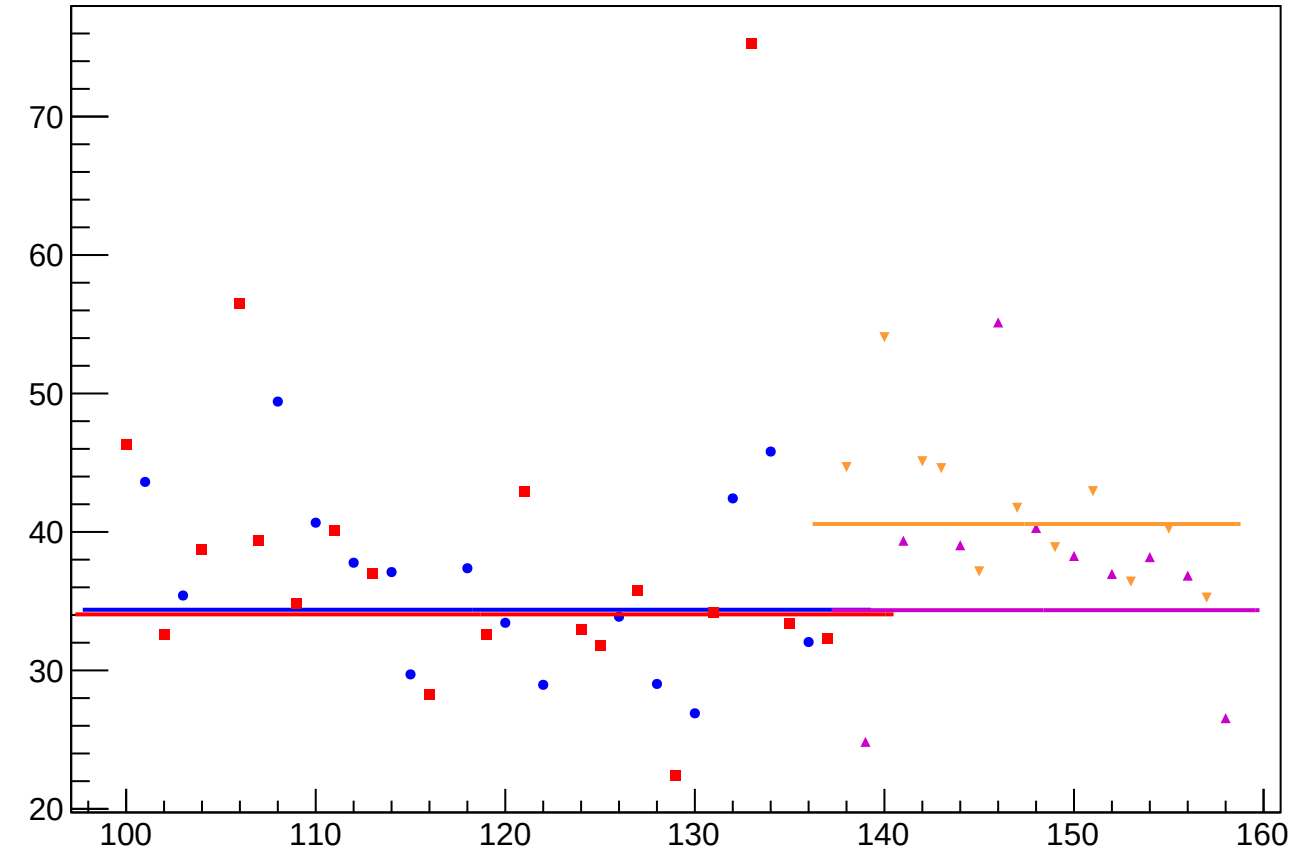
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.002+/-0.012 χ^2/NDF:15.2/9

+ sign 0.019+/-0.010 χ^2/NDF: 32.3/26

All: 0.011+/-0.007 χ^2/NDF: 64.4/55

- sign 0.004+/-0.009 χ^2/NDF: 30.8/28



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 40.573+/-0.010 χ^2/NDF:208460.4/10

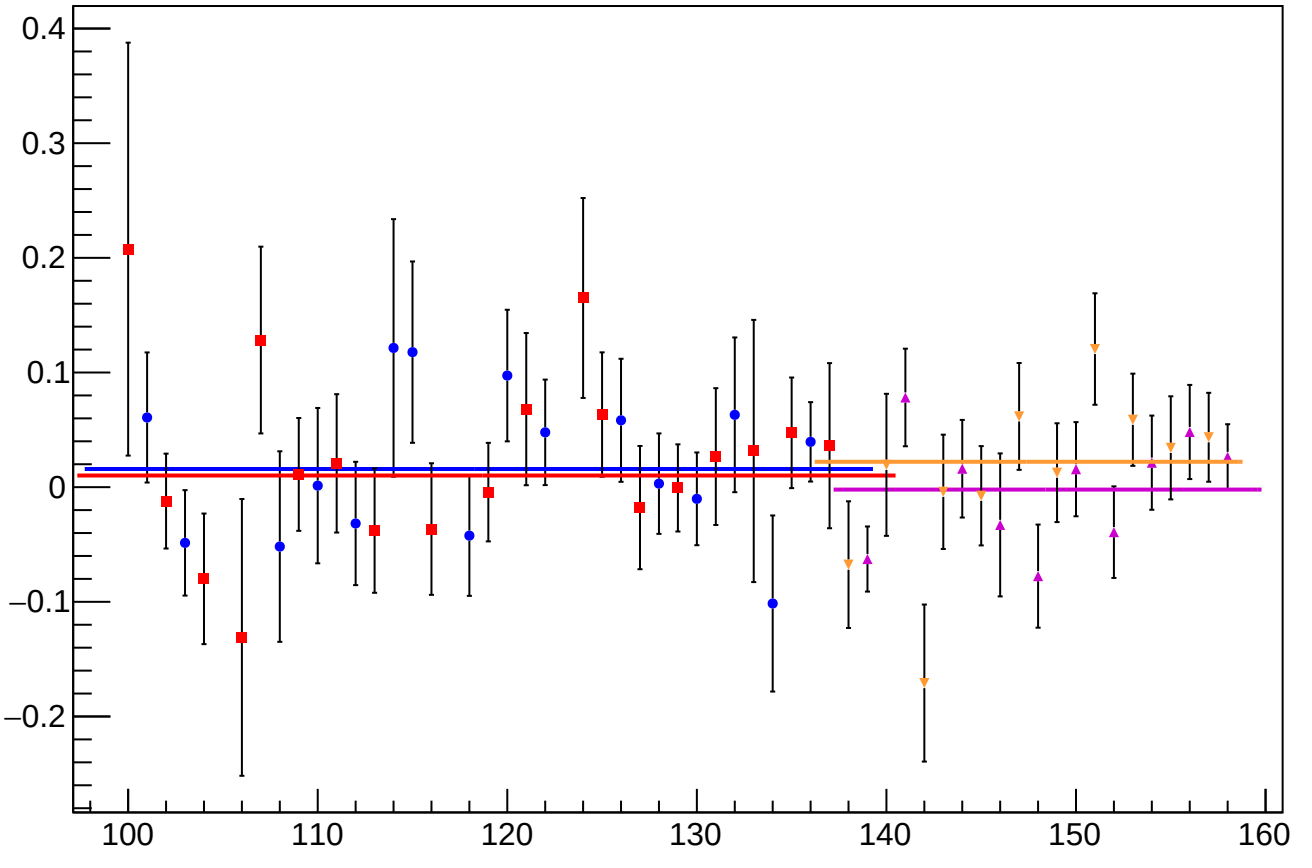
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.349+/-0.009 χ^2/NDF:734217.5/9

+ sign 37.290+/-0.007 χ^2/NDF: 777039.6/26

All: 35.619+/-0.005 χ^2/NDF: 2262698.1/55

- sign 34.210+/-0.006 χ^2/NDF: 1377479.0/28



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.022+/-0.014 χ^2/NDF:17.4/10

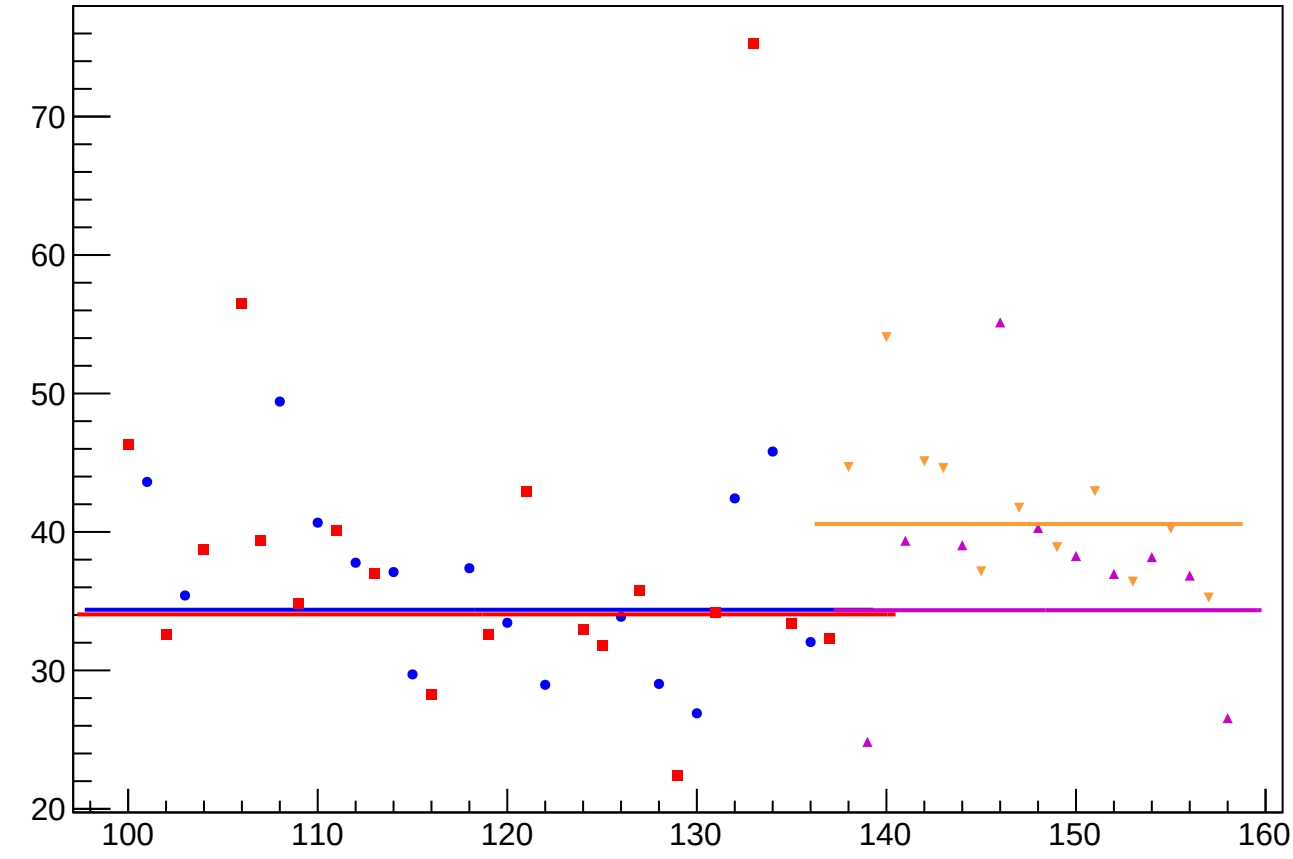
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.002+/-0.012 χ^2/NDF:15.2/9

+ sign 0.019+/-0.010 χ^2/NDF: 32.3/26

All: 0.011+/-0.007 χ^2/NDF: 64.4/55

- sign 0.004+/-0.009 χ^2/NDF: 30.8/28



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 40.573+/-0.010 χ^2/NDF:208460.4/10

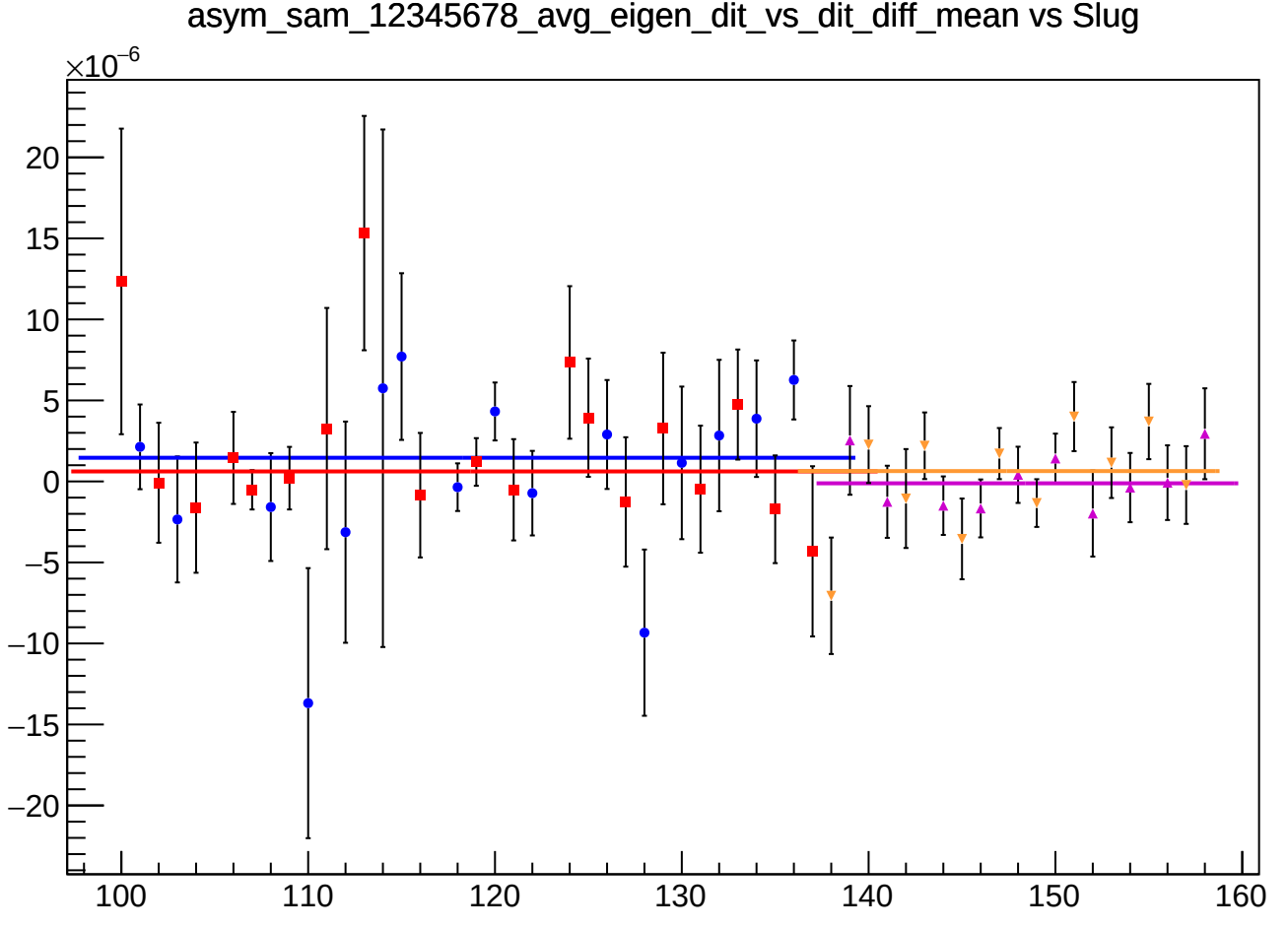
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.349+/-0.009 χ^2/NDF:734217.5/9

+ sign 37.290+/-0.007 χ^2/NDF: 777039.6/26

All: 35.619+/-0.005 χ^2/NDF: 2262698.1/55

- sign 34.210+/-0.006 χ^2/NDF: 1377479.0/28



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.4/10

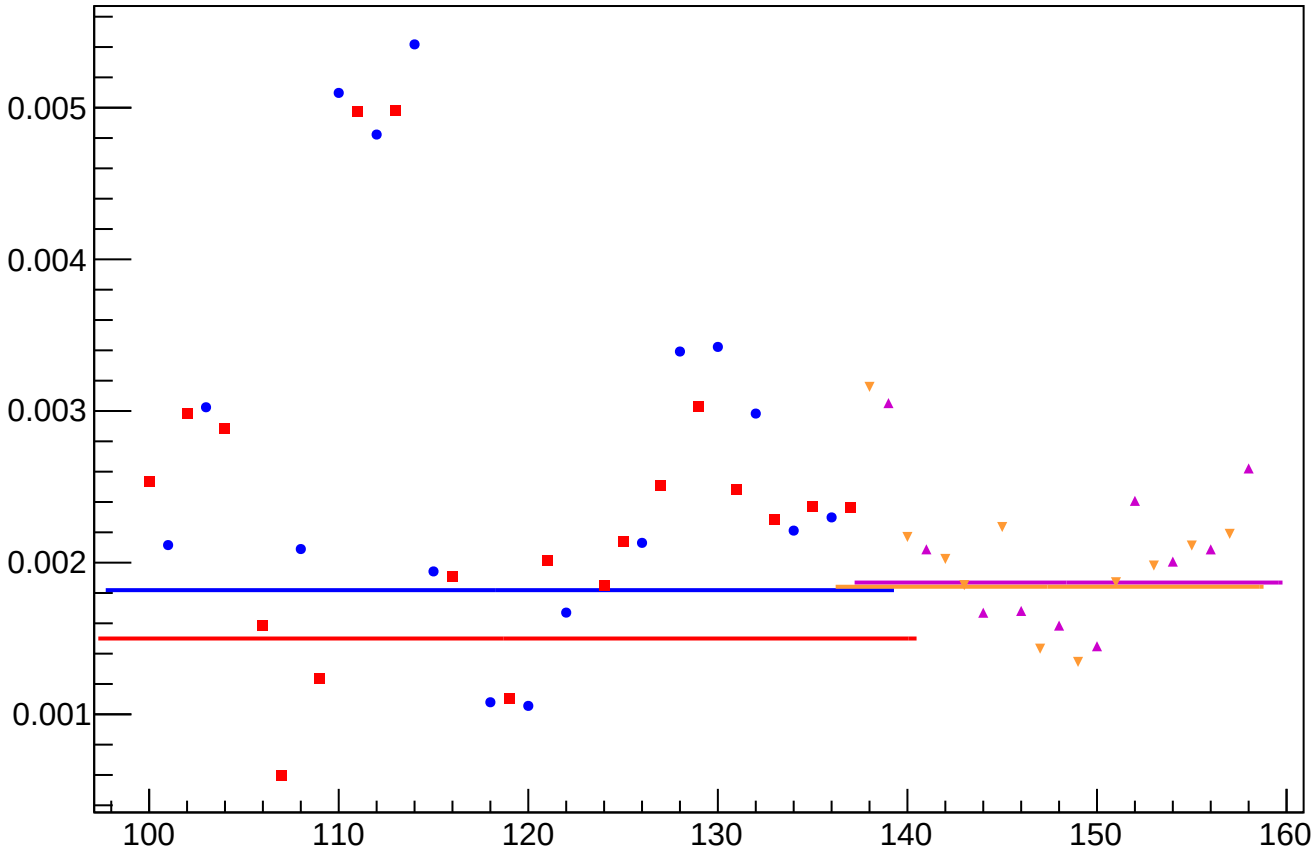
Right Out: 0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: -0.000+/-0.000 χ^2/NDF:5.0/9

+ sign 0.000+/-0.000 χ^2/NDF: 37.1/26

All: 0.000+/-0.000 χ^2/NDF: 57.9/55

- sign 0.000+/-0.000 χ^2/NDF: 19.6/28



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:803427.5/10

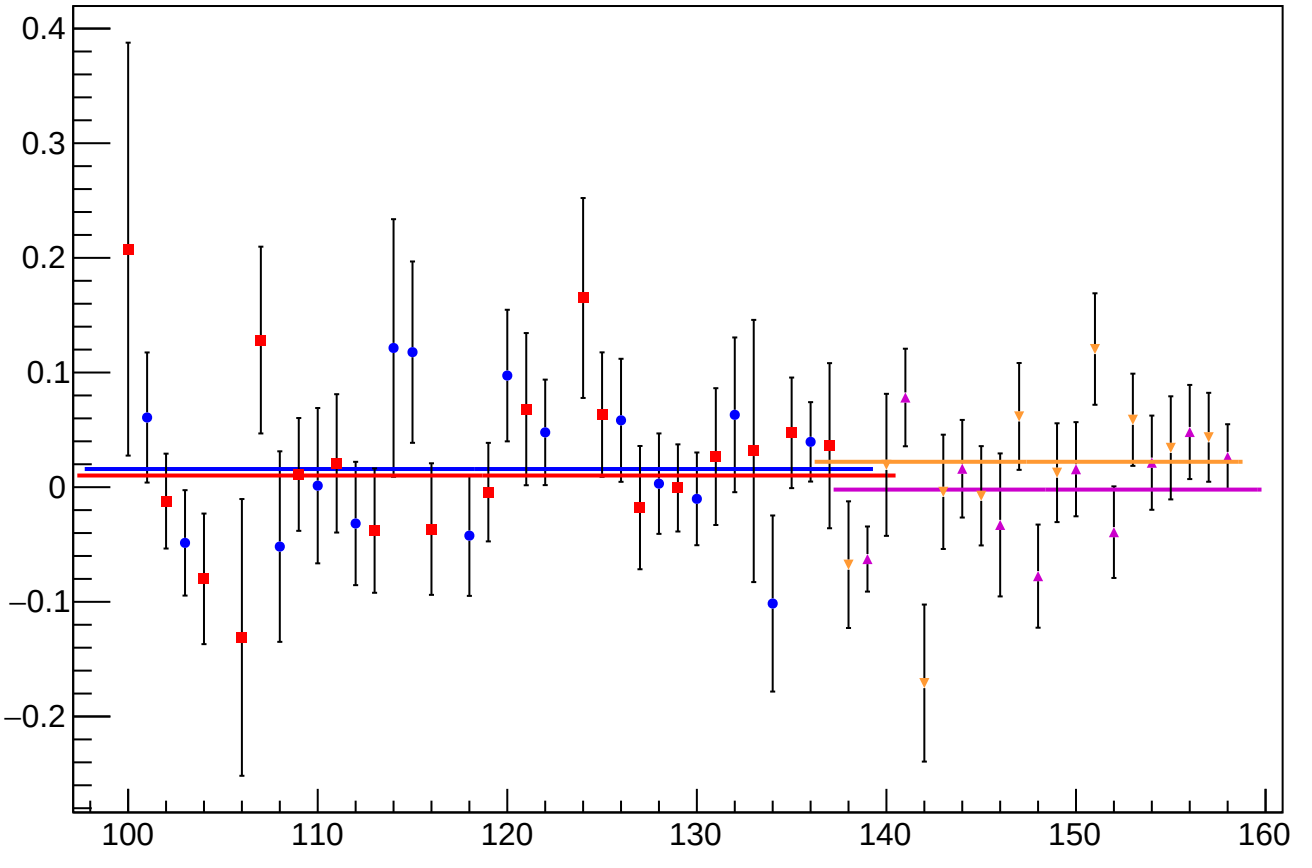
Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.002+/-0.000 χ^2/NDF:770946.5/9

+ sign 0.002+/-0.000 χ^2/NDF: 3374703.3/26

All: 0.002+/-0.000 χ^2/NDF: 8256597.4/55

- sign 0.002+/-0.000 χ^2/NDF: 4783007.0/28



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.022+/-0.014 χ^2/NDF:17.4/10

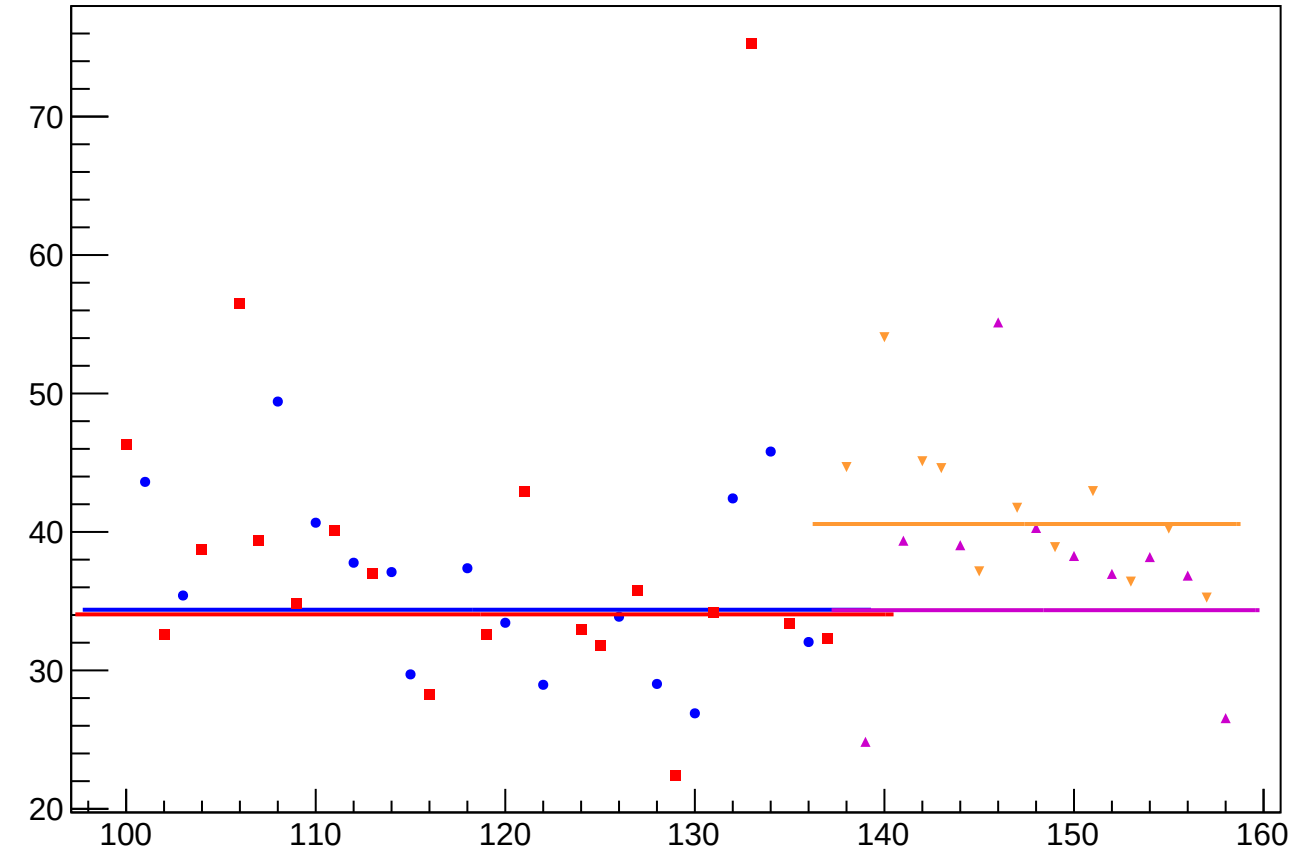
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.002+/-0.012 χ^2/NDF:15.2/9

+ sign 0.019+/-0.010 χ^2/NDF: 32.3/26

All: 0.011+/-0.007 χ^2/NDF: 64.4/55

- sign 0.004+/-0.009 χ^2/NDF: 30.8/28



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 40.573+/-0.010 χ^2/NDF:208446.2/10

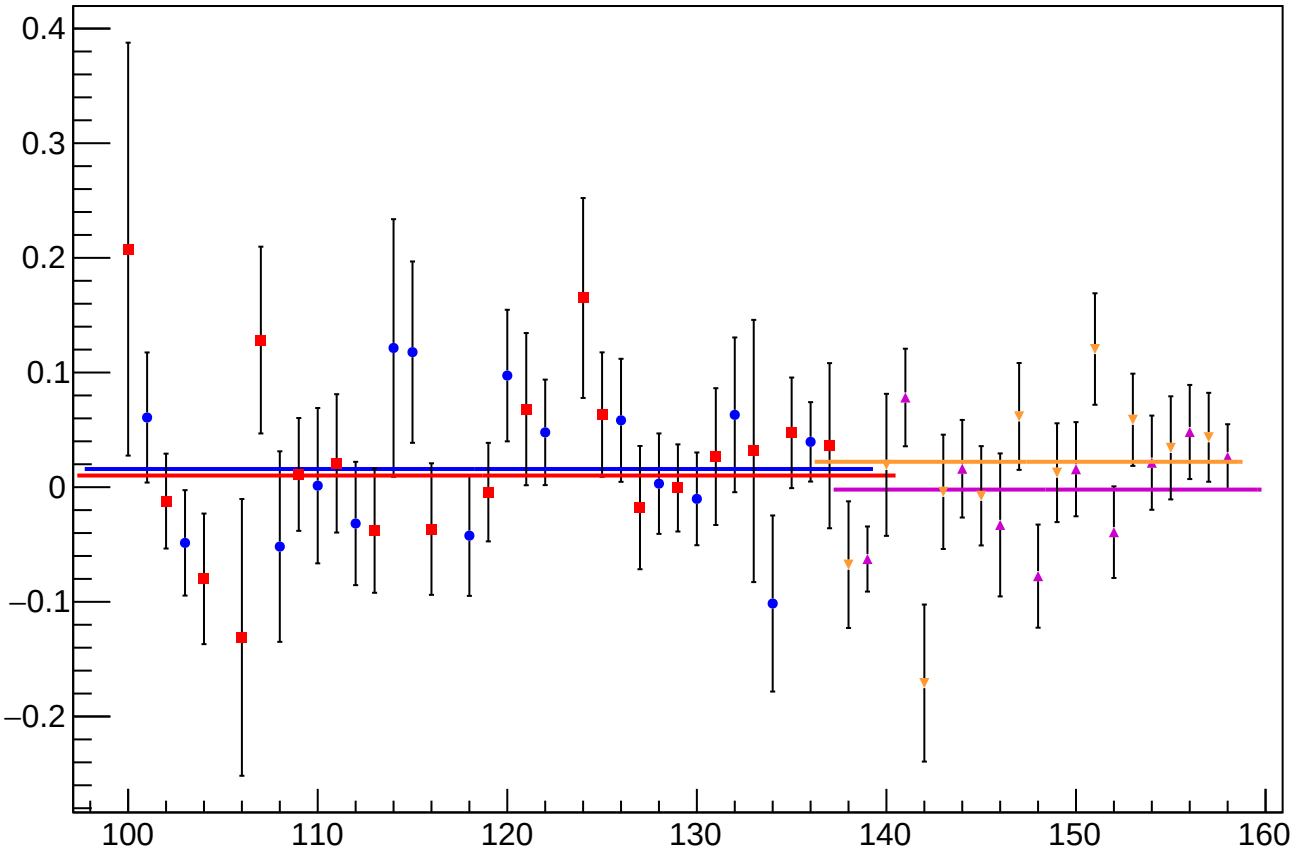
Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 34.350+/-0.009 χ^2/NDF:734270.6/9

+ sign 37.290+/-0.007 χ^2/NDF: 777173.9/26

All: 35.619+/-0.005 χ^2/NDF: 2262926.6/55

- sign 34.210+/-0.006 χ^2/NDF: 1377579.2/28



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.022+/-0.014 χ^2/NDF:17.4/10

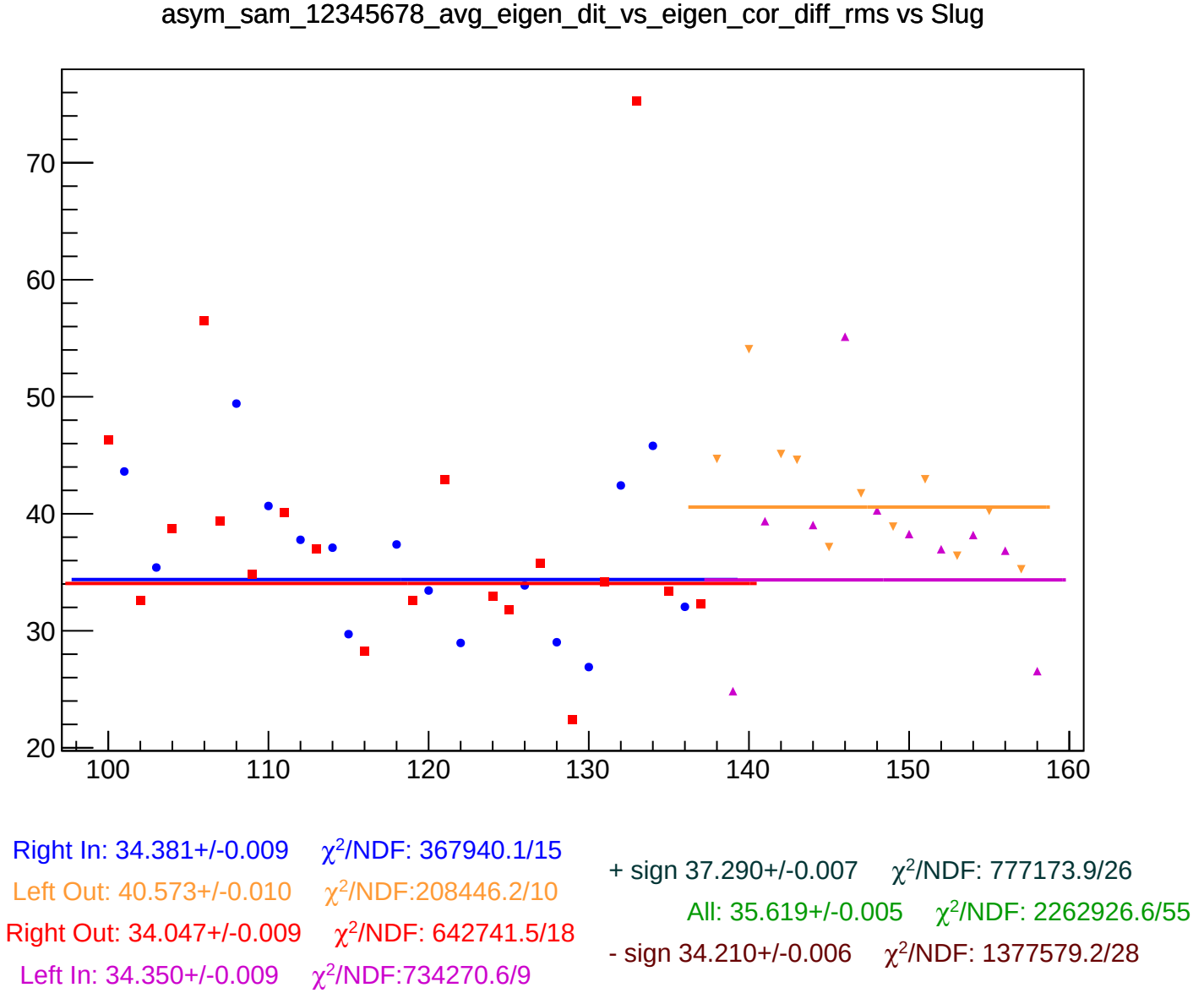
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

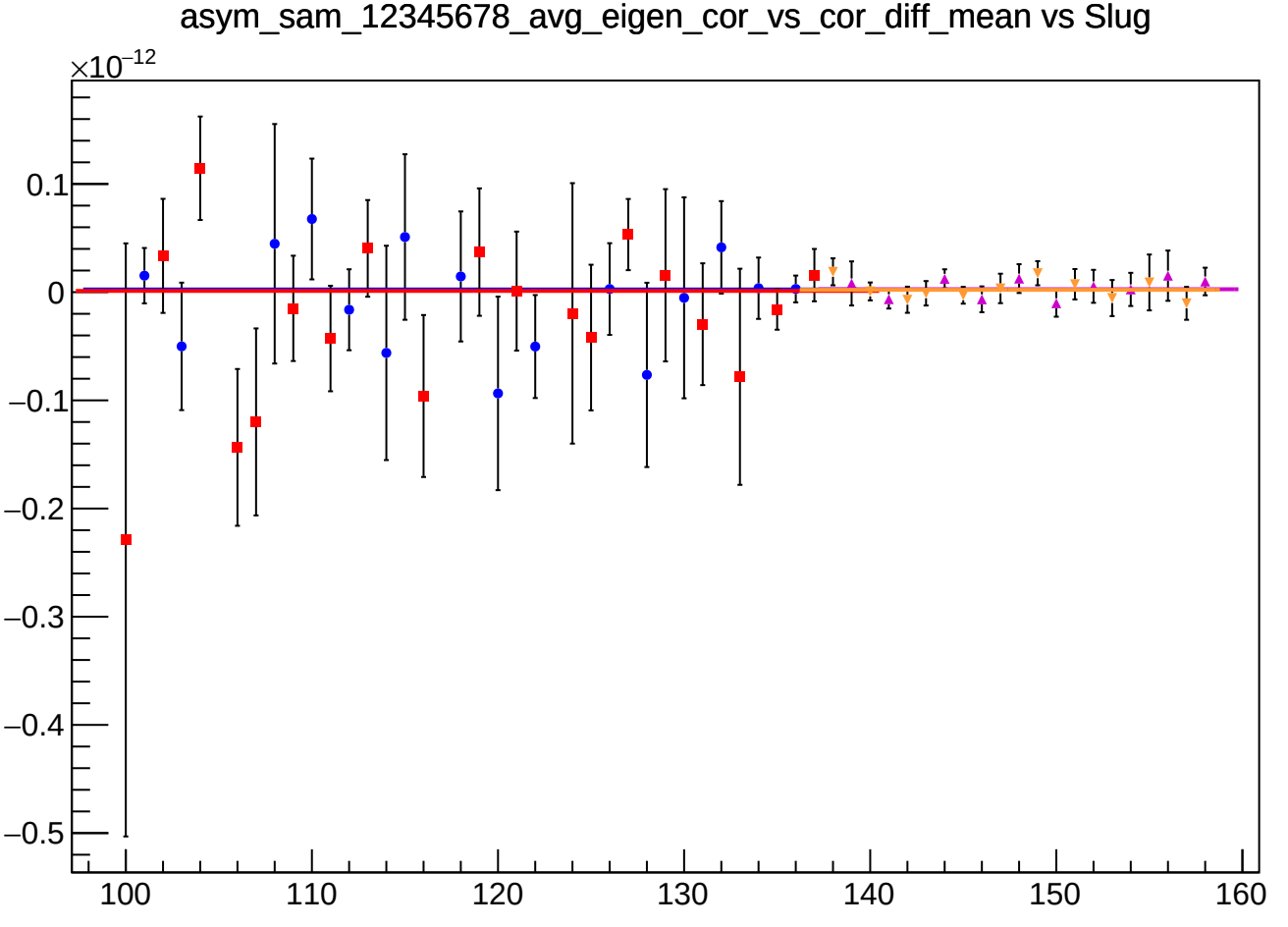
Left In: -0.002+/-0.012 χ^2/NDF:15.2/9

+ sign 0.019+/-0.010 χ^2/NDF: 32.3/26

All: 0.011+/-0.007 χ^2/NDF: 64.4/55

- sign 0.004+/-0.009 χ^2/NDF: 30.8/28


asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
70
60
50
40
30
20
100
110
120
130
140
150
160
Right In: 34.381+/-0.009 χ²/NDF: 367940.1/15
Left Out: 40.573+/-0.010 χ²/NDF:208446.2/10
Right Out: 34.047+/-0.009 χ²/NDF: 642741.5/18
Left In: 34.350+/-0.009 χ²/NDF:734270.6/9
+ sign 37.290+/-0.007 χ²/NDF: 777173.9/26
All: 35.619+/-0.005 χ²/NDF: 2262926.6/55
- sign 34.210+/-0.006 χ²/NDF: 1377579.2/28



Right In: 0.000+/-0.000 χ^2/NDF: 7.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.9/10

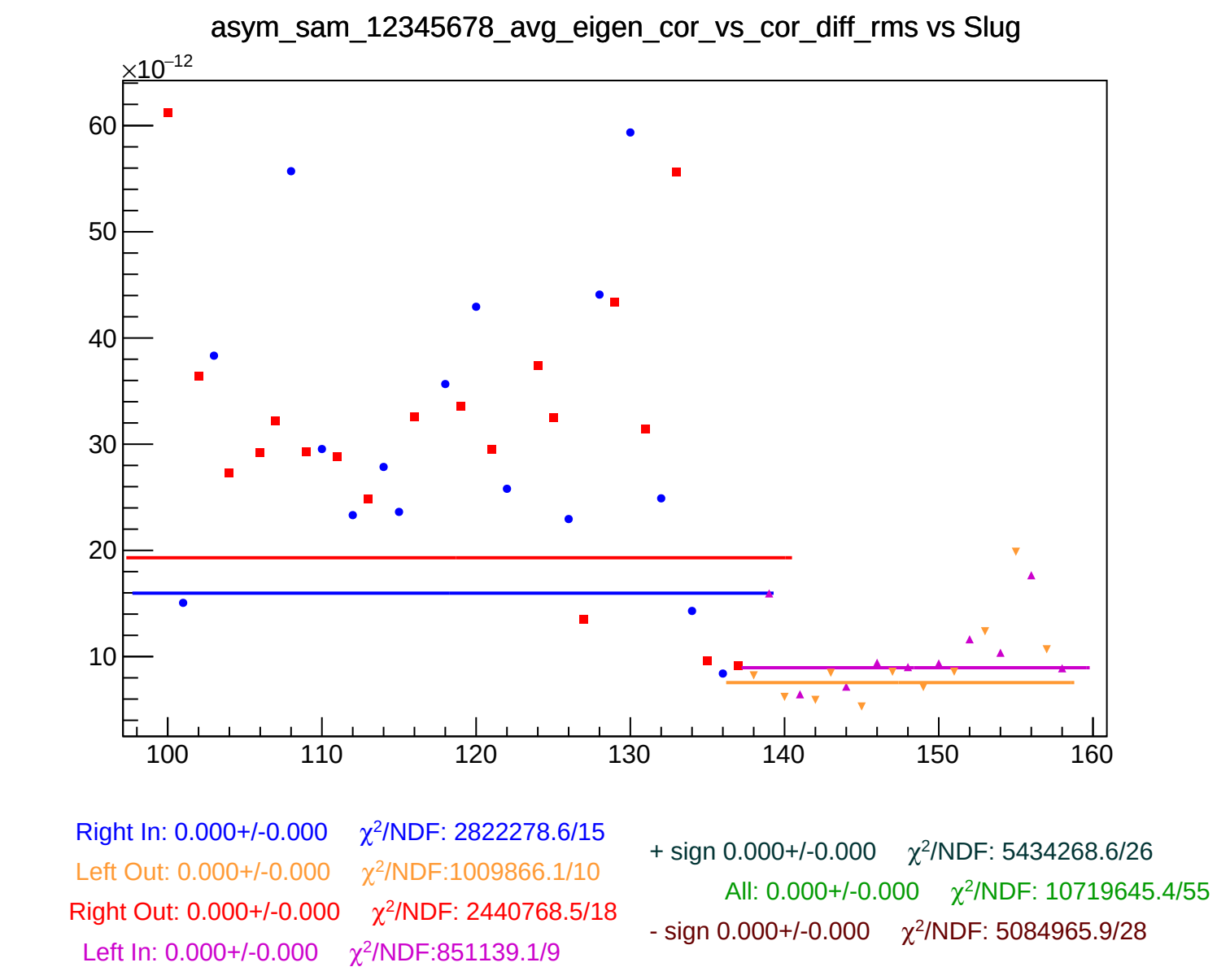
Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: 0.000+/-0.000 χ^2/NDF:5.3/9

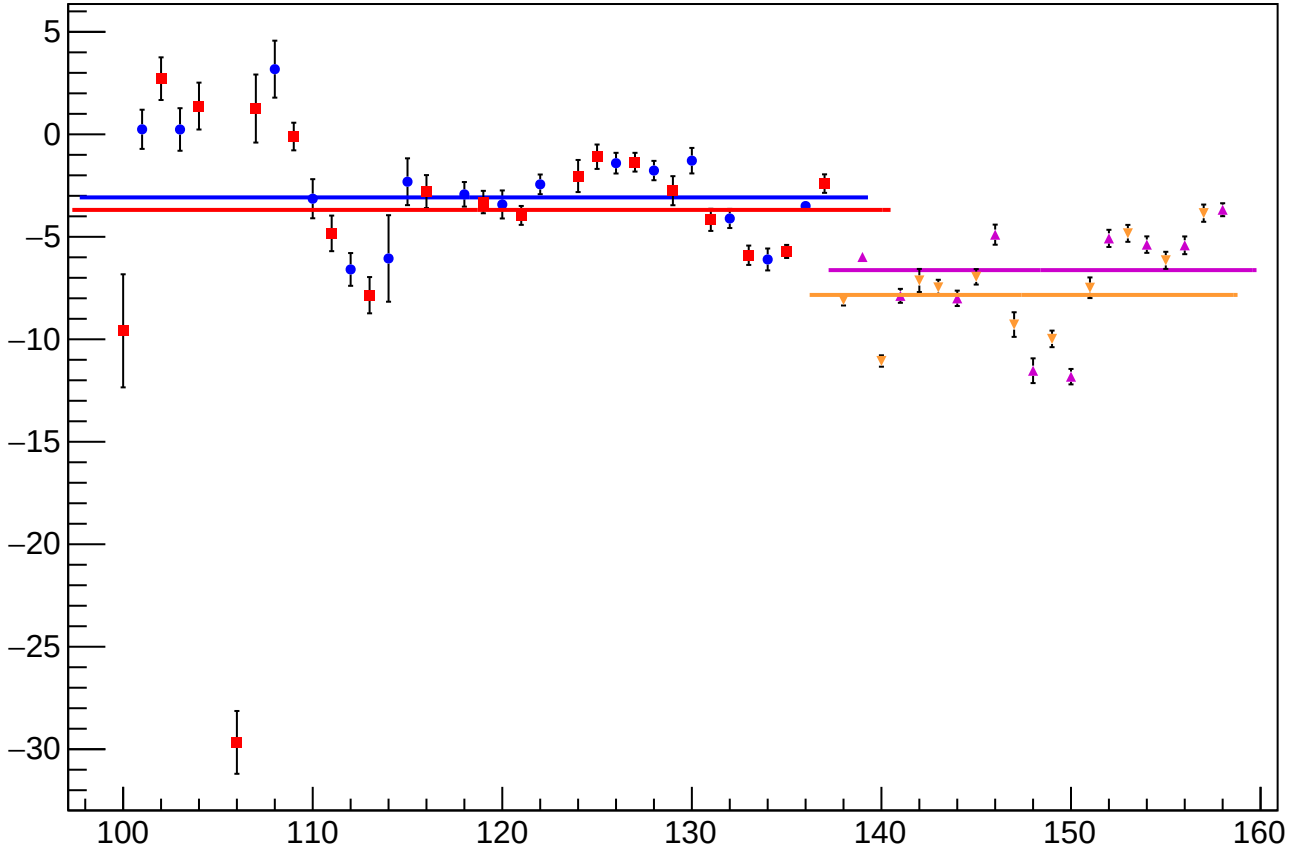
+ sign 0.000+/-0.000 χ^2/NDF: 13.6/26

All: 0.000+/-0.000 χ^2/NDF: 40.4/55

- sign 0.000+/-0.000 χ^2/NDF: 26.8/28


asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2822278.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1009866.1/10
Right Out: 0.000+/-0.000 χ²/NDF: 2440768.5/18
Left In: 0.000+/-0.000 χ²/NDF:851139.1/9
+ sign 0.000+/-0.000 χ²/NDF: 5434268.6/26
All: 0.000+/-0.000 χ²/NDF: 10719645.4/55
- sign 0.000+/-0.000 χ²/NDF: 5084965.9/28

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -7.835+/-0.116 χ^2/NDF:337.4/10

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

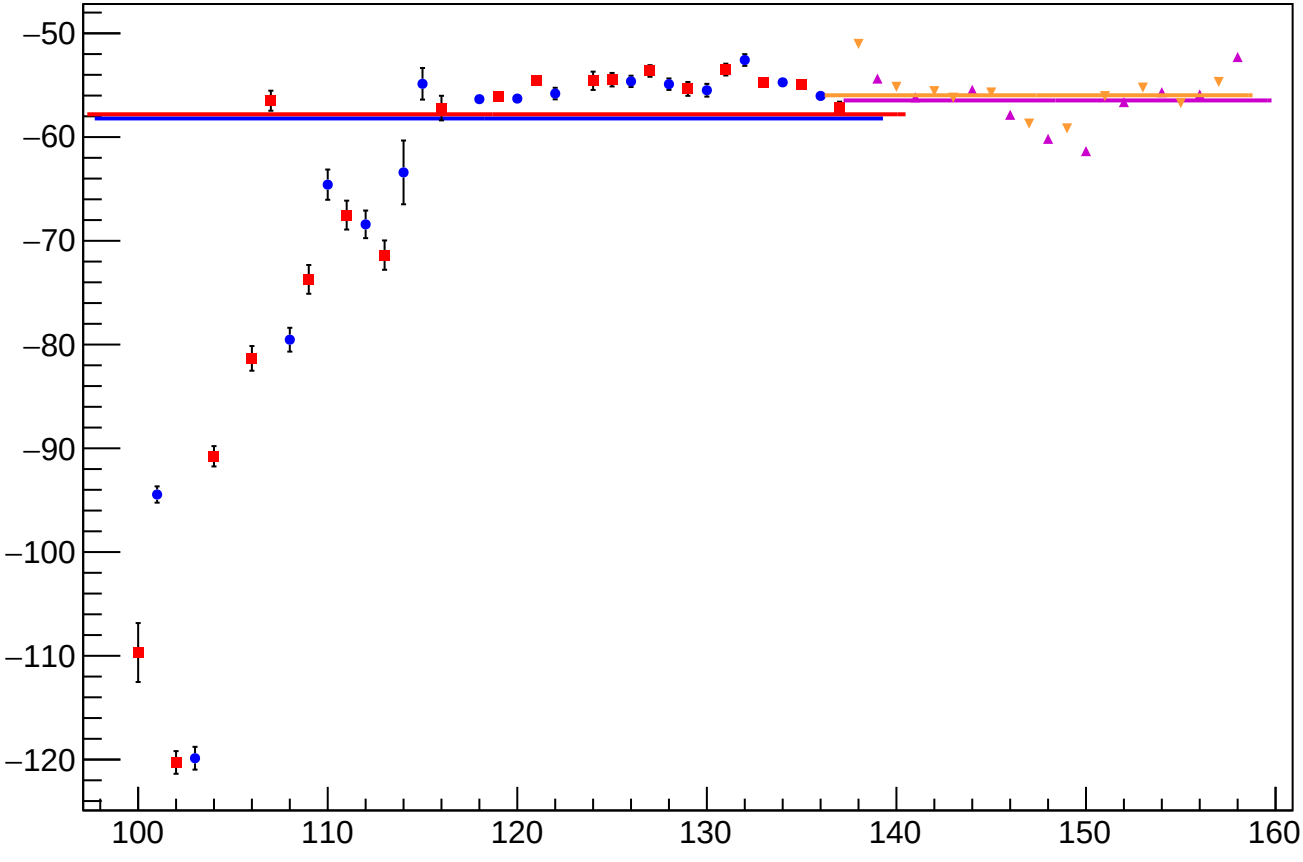
Left In: -6.625+/-0.116 χ^2/NDF:421.0/9

+ sign -5.814+/-0.088 χ^2/NDF: 1183.4/26

All: -5.625+/-0.063 χ^2/NDF: 2409.1/55

- sign -5.430+/-0.089 χ^2/NDF: 1216.4/28

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -58.204+/-0.136 χ^2/NDF: 6126.9/15

Left Out: -55.972+/-0.086 χ^2/NDF:542.2/10

Right Out: -57.804+/-0.138 χ^2/NDF: 5792.7/18

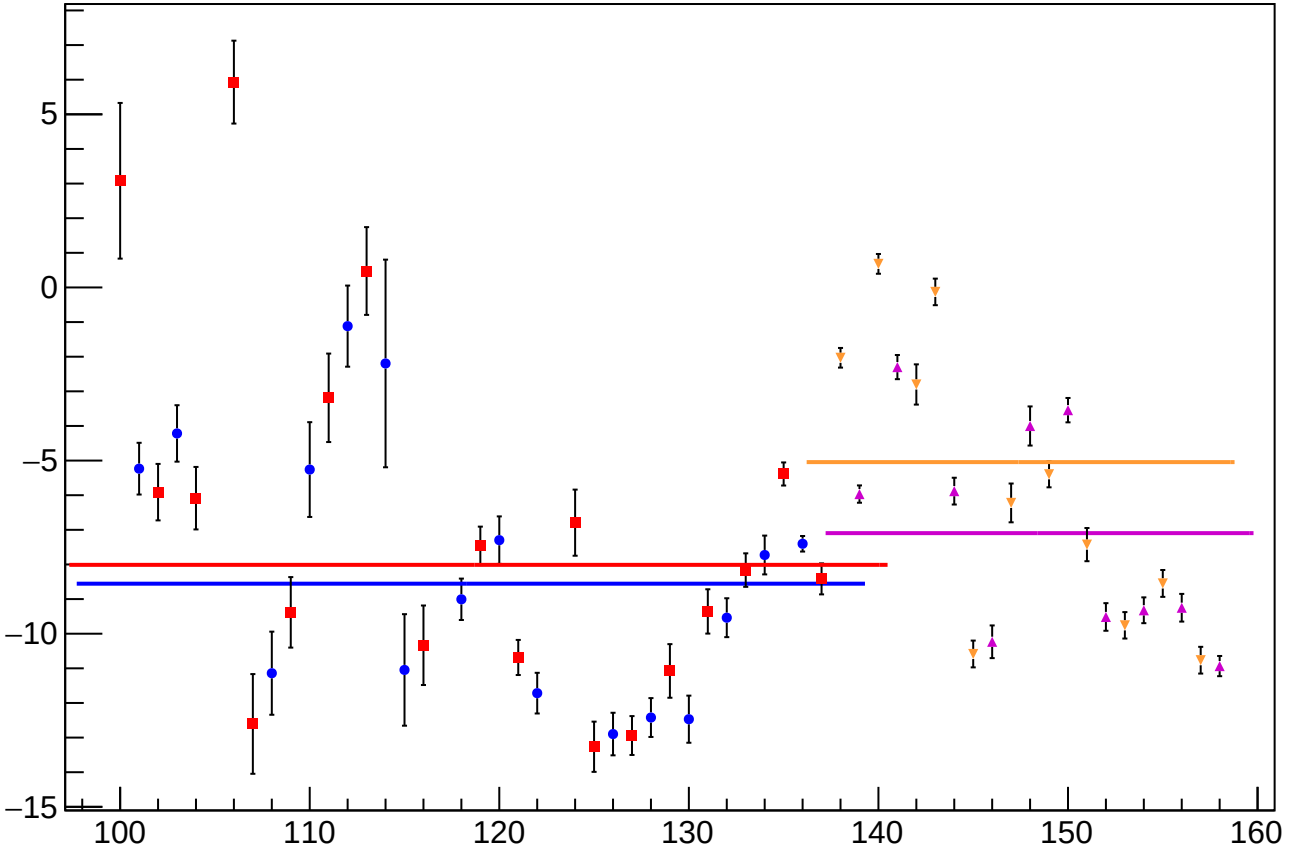
Left In: -56.468+/-0.088 χ^2/NDF:967.9/9

+ sign -56.615+/-0.073 χ^2/NDF: 6862.2/26

All: -56.730+/-0.052 χ^2/NDF: 13694.3/55

- sign -56.850+/-0.074 χ^2/NDF: 6827.0/28

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -5.044+/-0.115 χ^2/NDF:1382.7/10

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

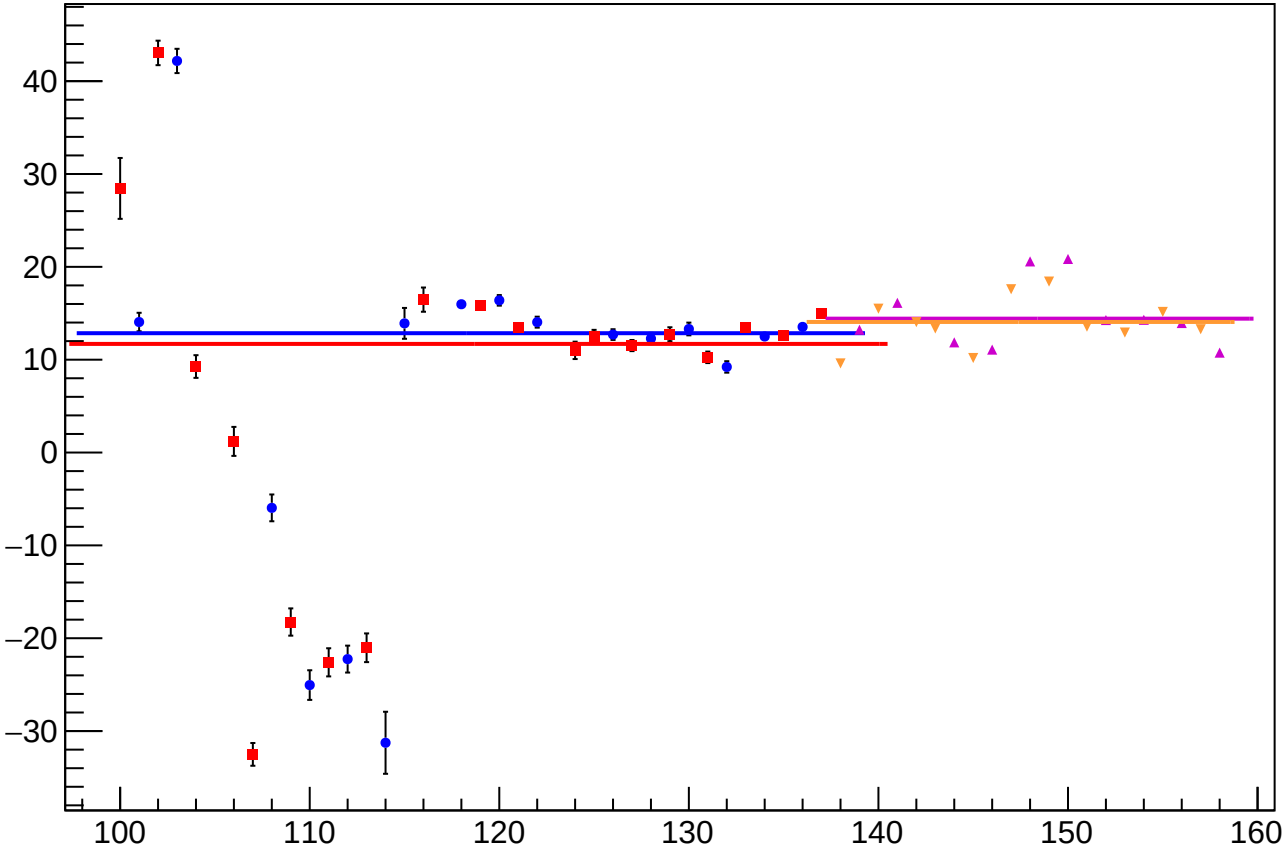
Left In: -7.095+/-0.113 χ^2/NDF:669.9/9

+ sign -6.400+/-0.090 χ^2/NDF: 2044.7/26

All: -6.904+/-0.064 χ^2/NDF: 3290.6/55

- sign -7.419+/-0.091 χ^2/NDF: 1182.4/28

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 14.065+/-0.102 χ^2/NDF:627.0/10

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

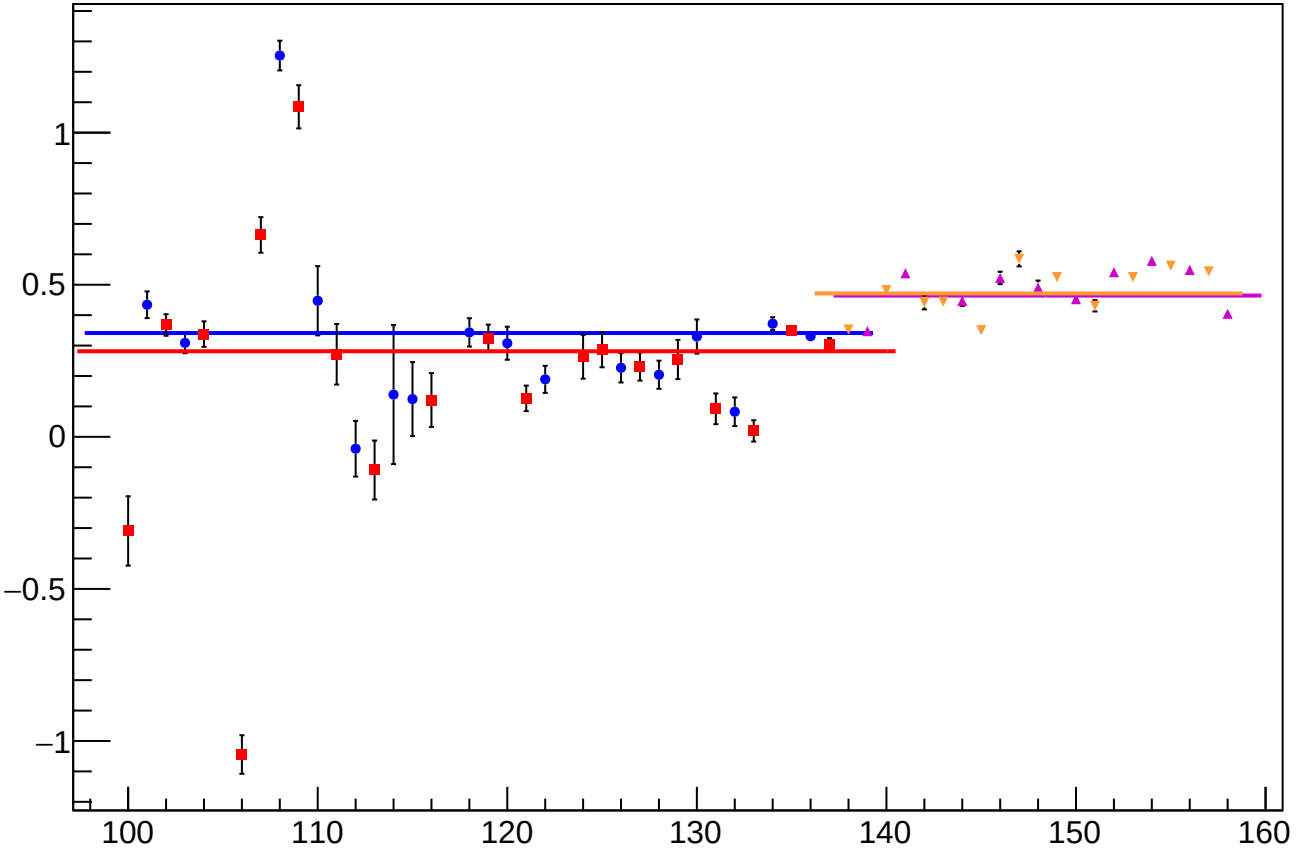
Left In: 14.419+/-0.101 χ^2/NDF:1155.3/9

+ sign 13.683+/-0.084 χ^2/NDF: 2799.9/26

All: 13.648+/-0.060 χ^2/NDF: 7670.9/55

- sign 13.613+/-0.084 χ^2/NDF: 4870.6/28

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.471+/-0.004 χ^2/NDF:321.3/10

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

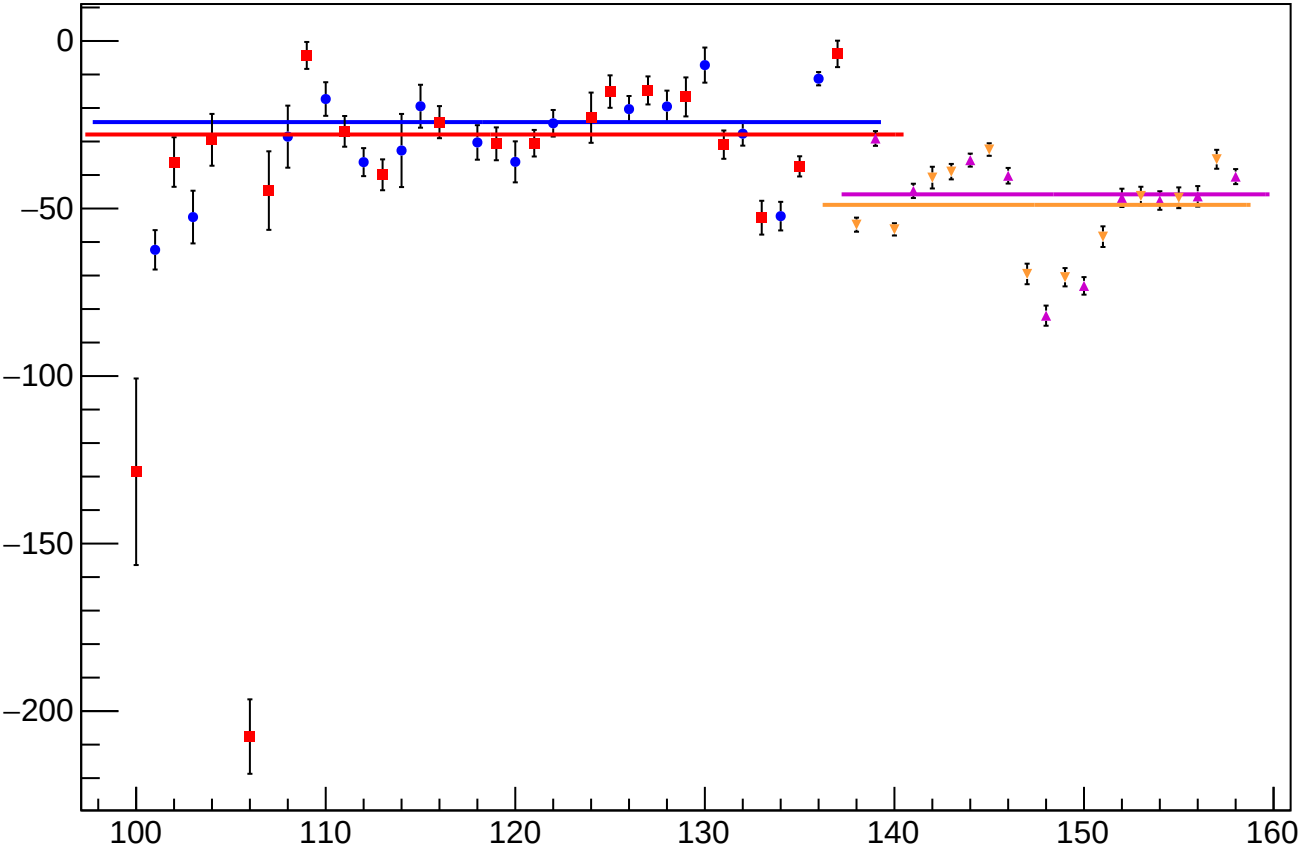
Left In: 0.464+/-0.004 χ^2/NDF:398.4/9

\+ sign 0.440+/-0.004 χ^2/NDF: 964.1/26

All: 0.434+/-0.003 χ^2/NDF: 2520.5/55

\- sign 0.429+/-0.004 χ^2/NDF: 1551.6/28

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -24.205+/-1.086 χ^2/NDF: 170.7/15

Left Out: -48.907+/-0.746 χ^2/NDF:267.8/10

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

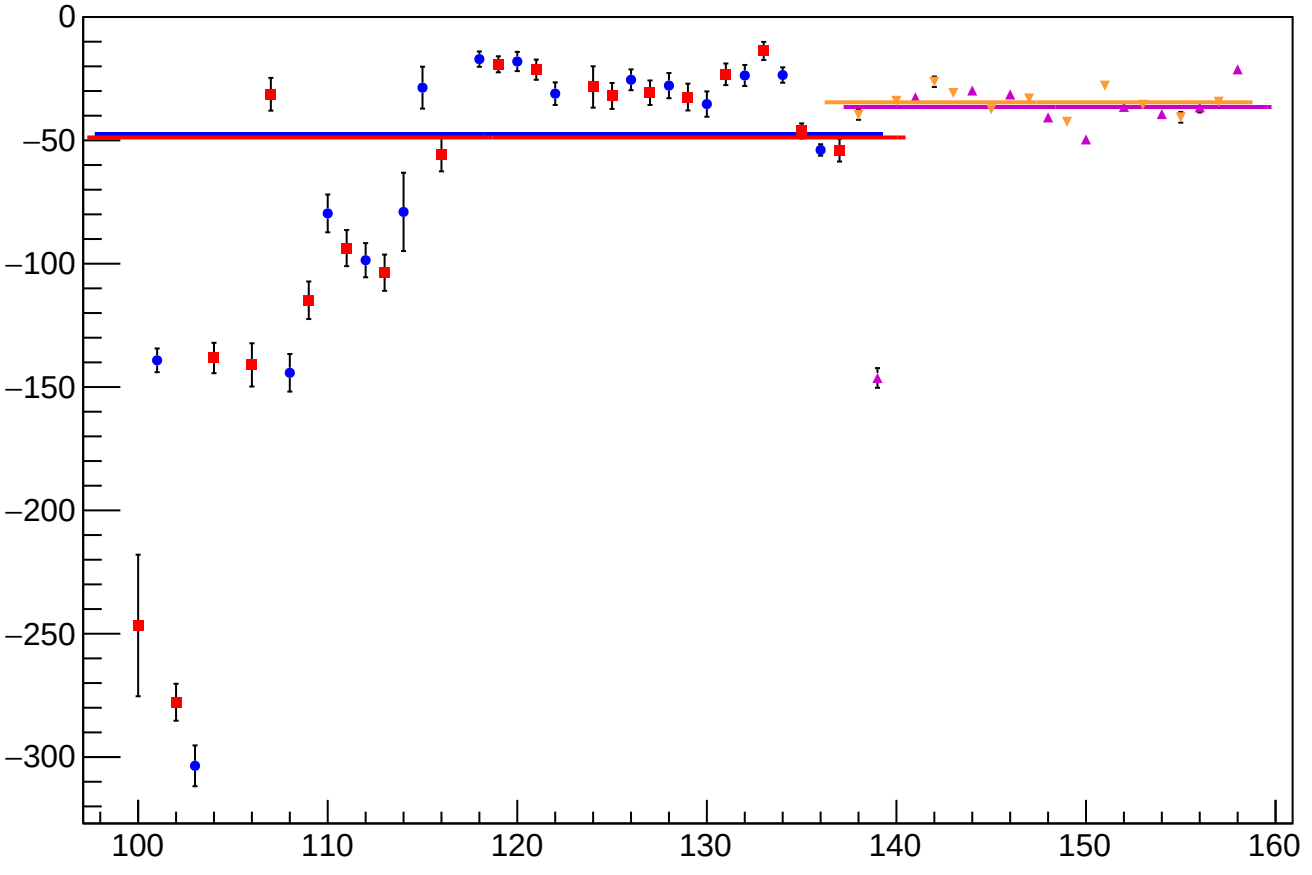
Left In: -45.770+/-0.767 χ^2/NDF:351.0/9

+ sign -40.993+/-0.615 χ^2/NDF: 789.9/26

All: -40.602+/-0.442 χ^2/NDF: 1724.8/55

- sign -40.185+/-0.636 χ^2/NDF: 934.1/28

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -34.562+/-0.525 χ^2/NDF:76.4/10

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

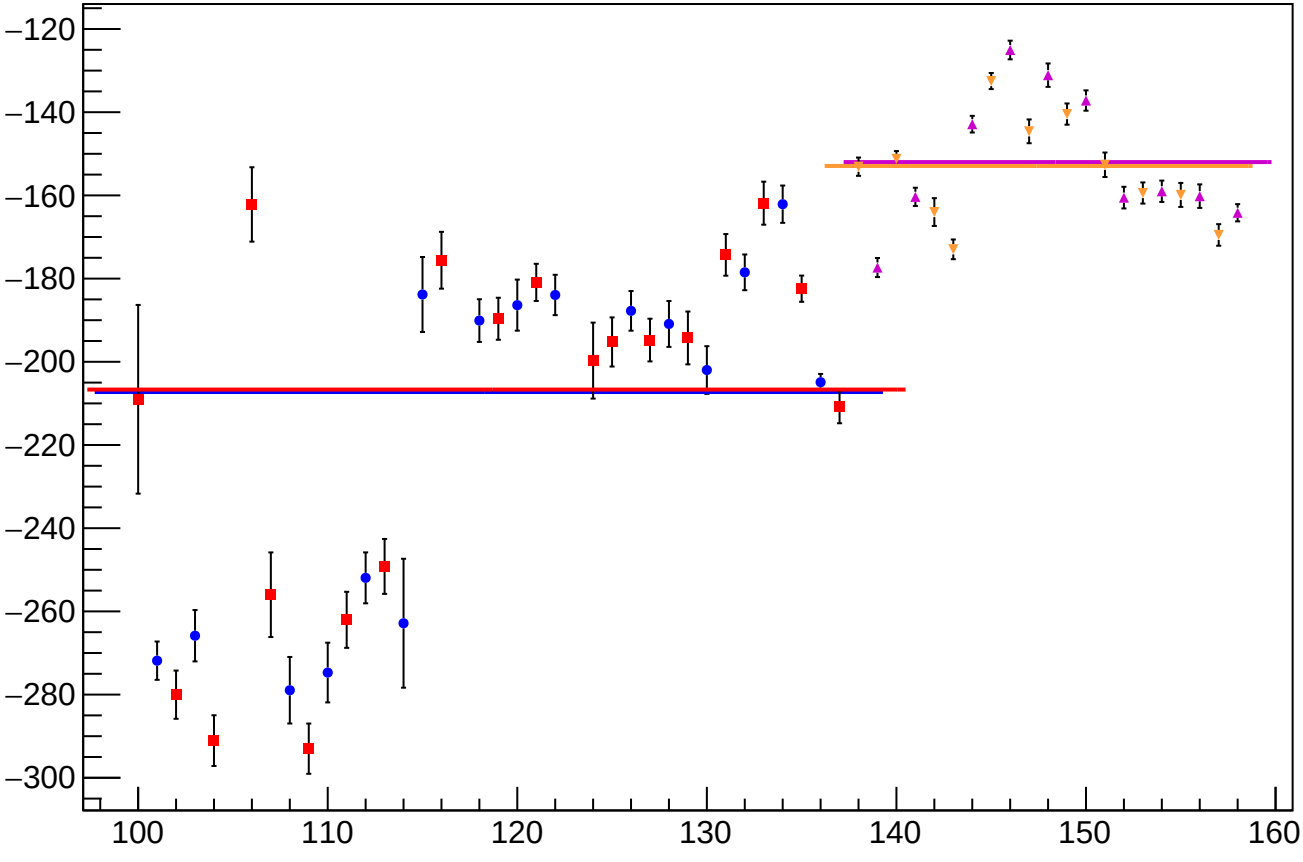
Left In: -36.480+/-0.531 χ^2/NDF:968.4/9

+ sign -36.946+/-0.474 χ^2/NDF: 2061.0/26

All: -37.731+/-0.339 χ^2/NDF: 4900.4/55

- sign -38.550+/-0.484 χ^2/NDF: 2833.8/28

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -152.925+/-0.738 χ^2/NDF:280.3/10

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

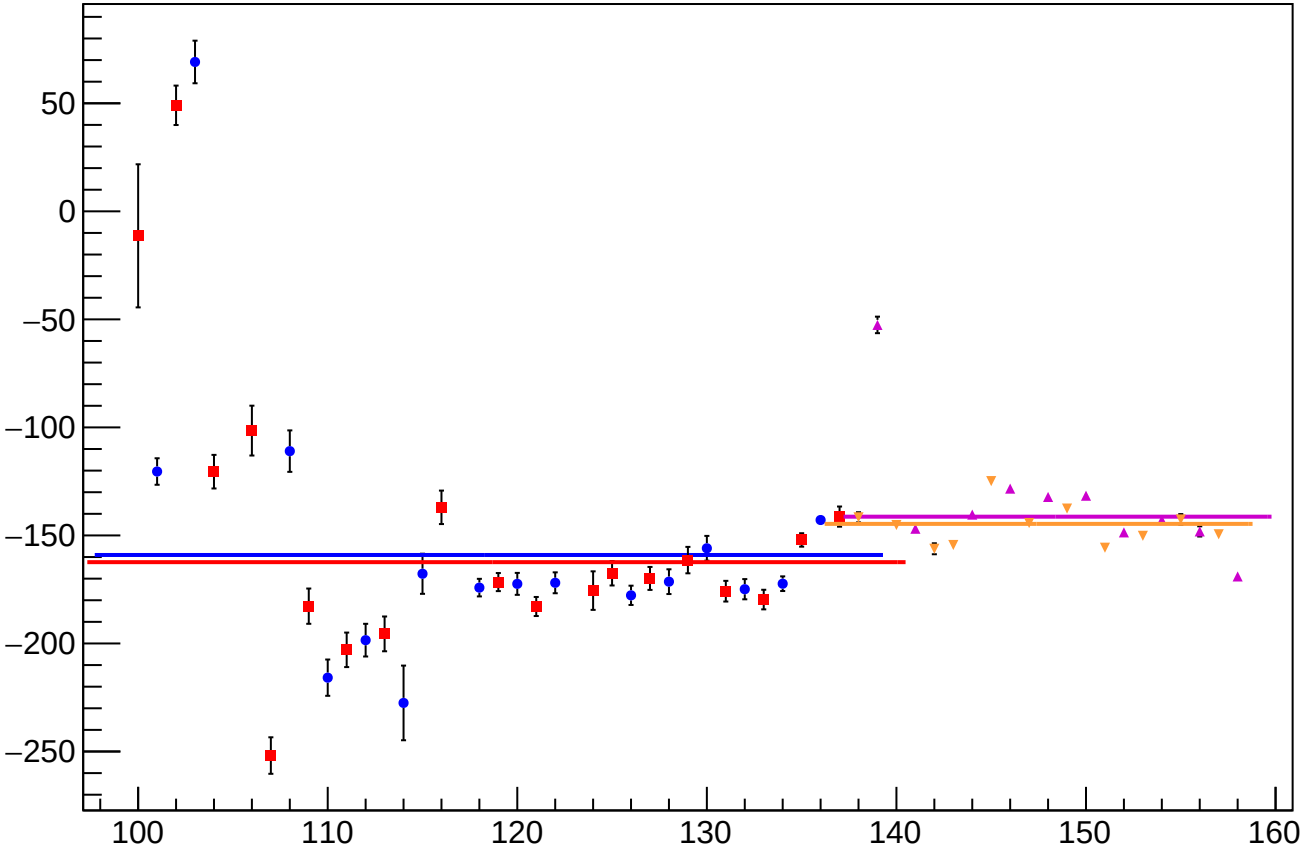
Left In: -151.991+/-0.746 χ^2/NDF:454.8/9

+ sign -168.222+/-0.625 χ^2/NDF: 2556.8/26

All: -167.074+/-0.449 χ^2/NDF: 5351.5/55

- sign -165.854+/-0.644 χ^2/NDF: 2787.7/28

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -159.048+/-1.225 χ^2/NDF: 815.8/15

Left Out: -144.657+/-0.631 χ^2/NDF:223.3/10

Right Out: -162.370+/-1.324 χ^2/NDF: 872.6/18

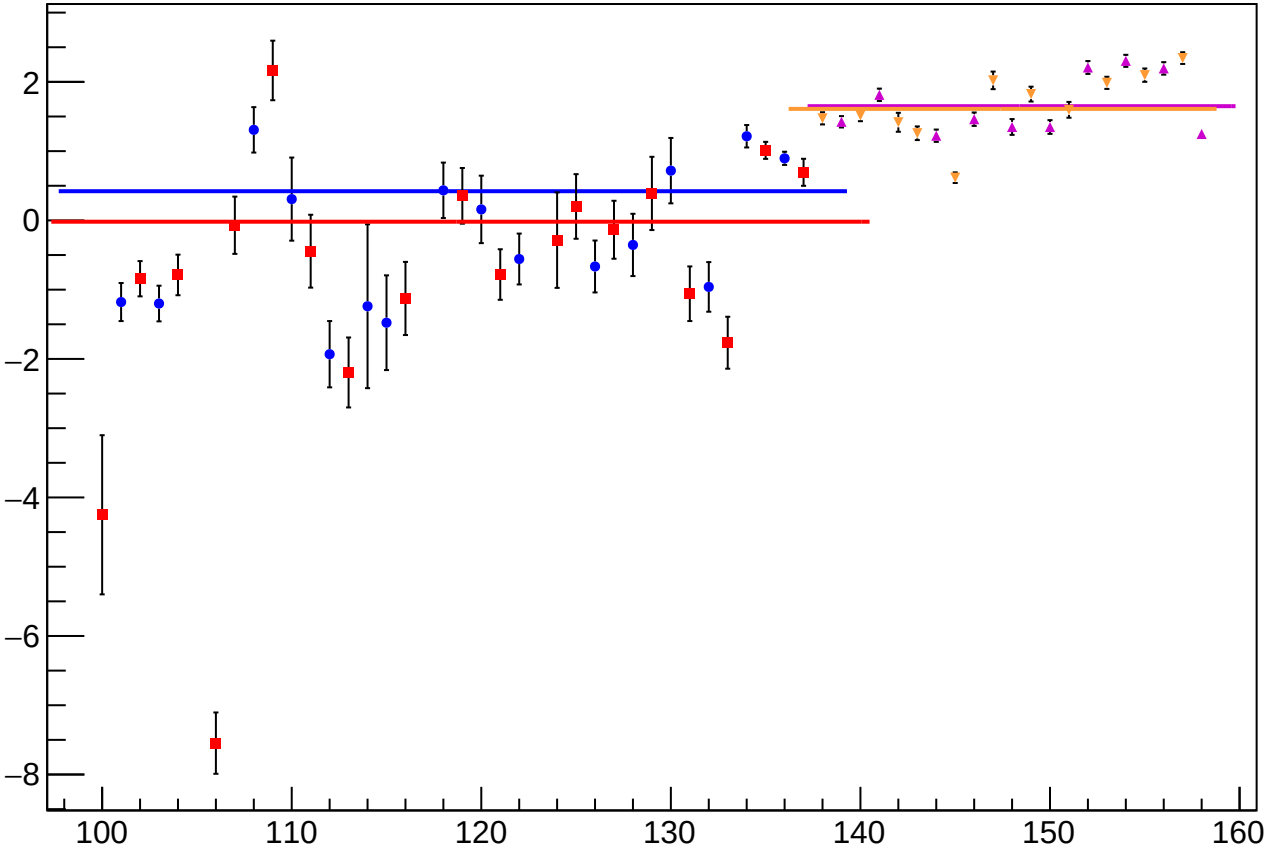
Left In: -141.321+/-0.627 χ^2/NDF:965.7/9

+ sign -147.674+/-0.561 χ^2/NDF: 1148.1/26

All: -146.436+/-0.399 χ^2/NDF: 3202.6/55

- sign -145.174+/-0.567 χ^2/NDF: 2044.7/28

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.421+/-0.065 χ^2/NDF: 197.6/15

Left Out: 1.610+/-0.029 χ^2/NDF:319.4/10

Right Out: -0.019+/-0.072 χ^2/NDF: 488.2/18

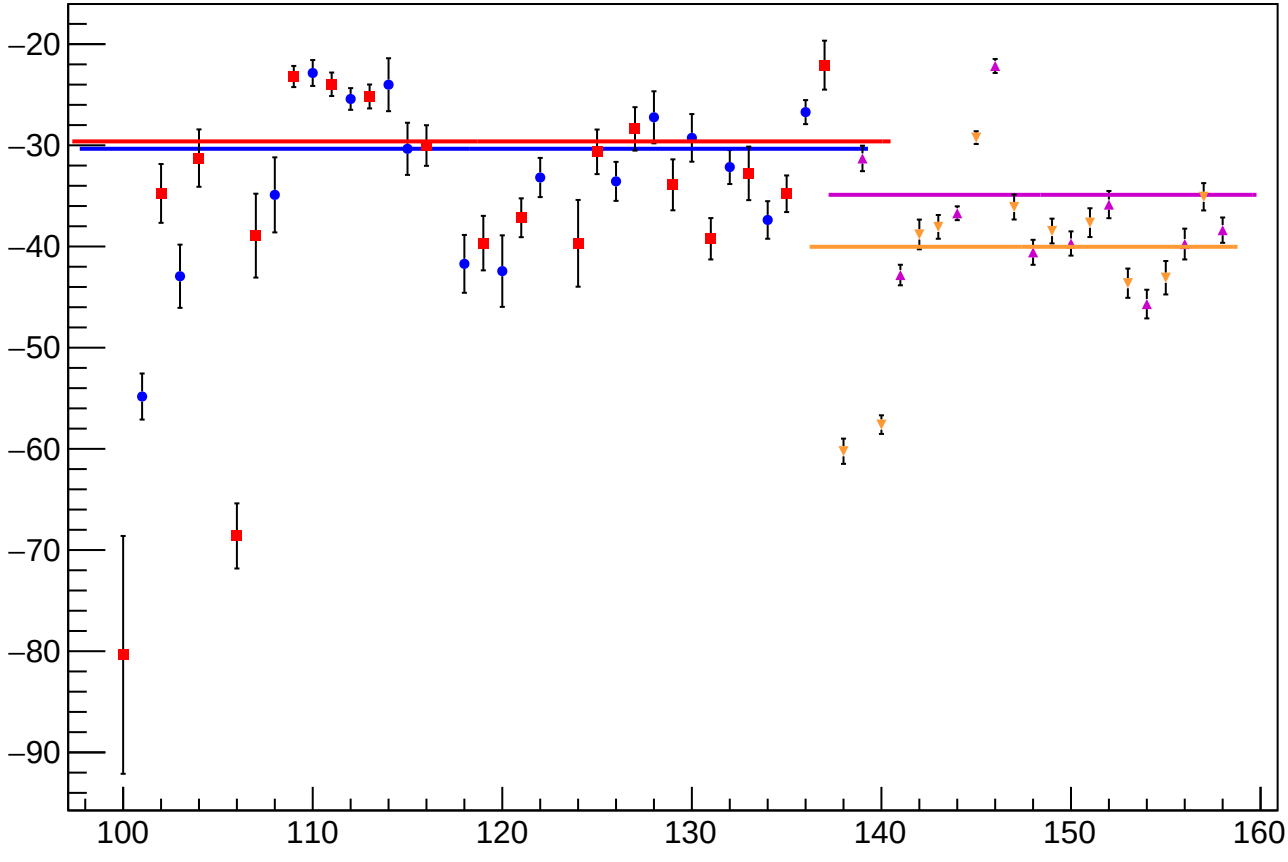
Left In: 1.649+/-0.028 χ^2/NDF:213.9/9

\+ sign 1.413+/-0.026 χ^2/NDF: 797.7/26

All: 1.420+/-0.019 χ^2/NDF: 1961.3/55

\- sign 1.428+/-0.026 χ^2/NDF: 1163.4/28

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -30.341+/-0.468 χ^2/NDF: 253.6/15

Left Out: -40.029+/-0.339 χ^2/NDF:959.4/10

Right Out: -29.613+/-0.450 χ^2/NDF: 329.2/18

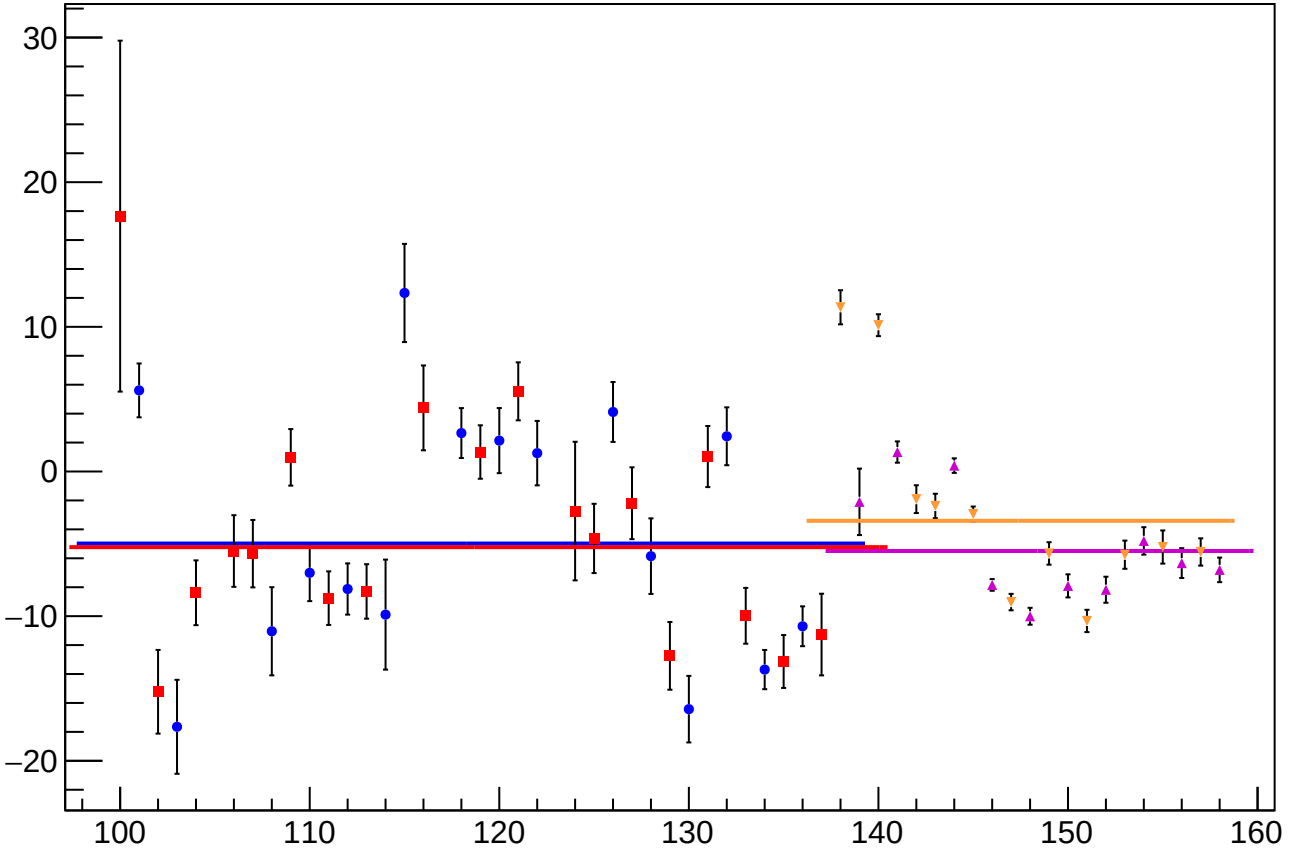
Left In: -34.892+/-0.328 χ^2/NDF:529.6/9

+ sign -36.699+/-0.274 χ^2/NDF: 1494.4/26

All: -34.820+/-0.191 χ^2/NDF: 2533.8/55

- sign -33.065+/-0.265 χ^2/NDF: 948.6/28

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -4.980+/-0.510 χ^2/NDF: 237.3/15

Left Out: -3.409+/-0.235 χ^2/NDF:681.2/10

Right Out: -5.228+/-0.524 χ^2/NDF: 136.5/18

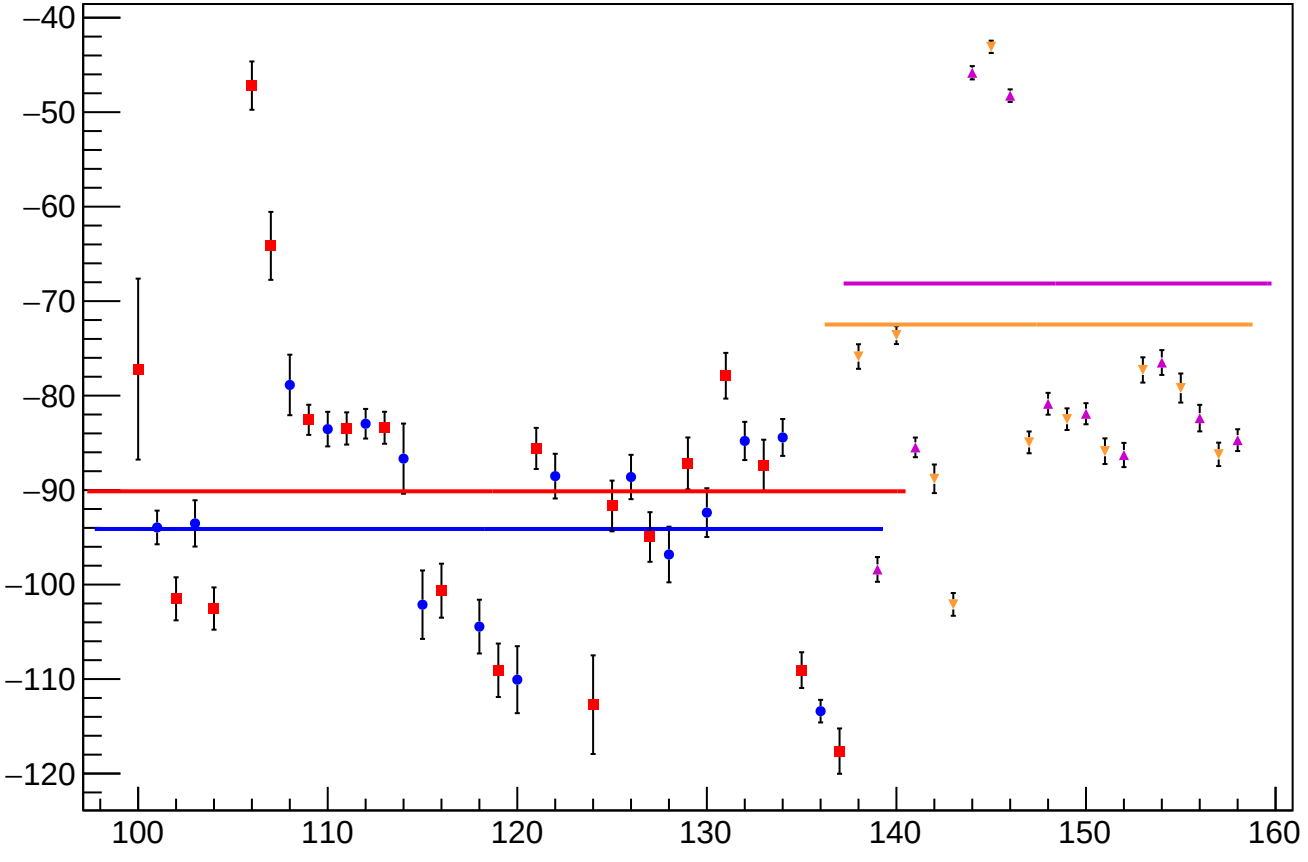
Left In: -5.495+/-0.217 χ^2/NDF:340.9/9

+ sign -3.685+/-0.214 χ^2/NDF: 926.4/26

All: -4.627+/-0.146 χ^2/NDF: 1440.5/55

- sign -5.456+/-0.200 χ^2/NDF: 477.6/28

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -94.115+/-0.537 χ^2/NDF: 466.8/15

Left Out: -72.475+/-0.336 χ^2/NDF:3215.0/10

Right Out: -90.127+/-0.543 χ^2/NDF: 789.3/18

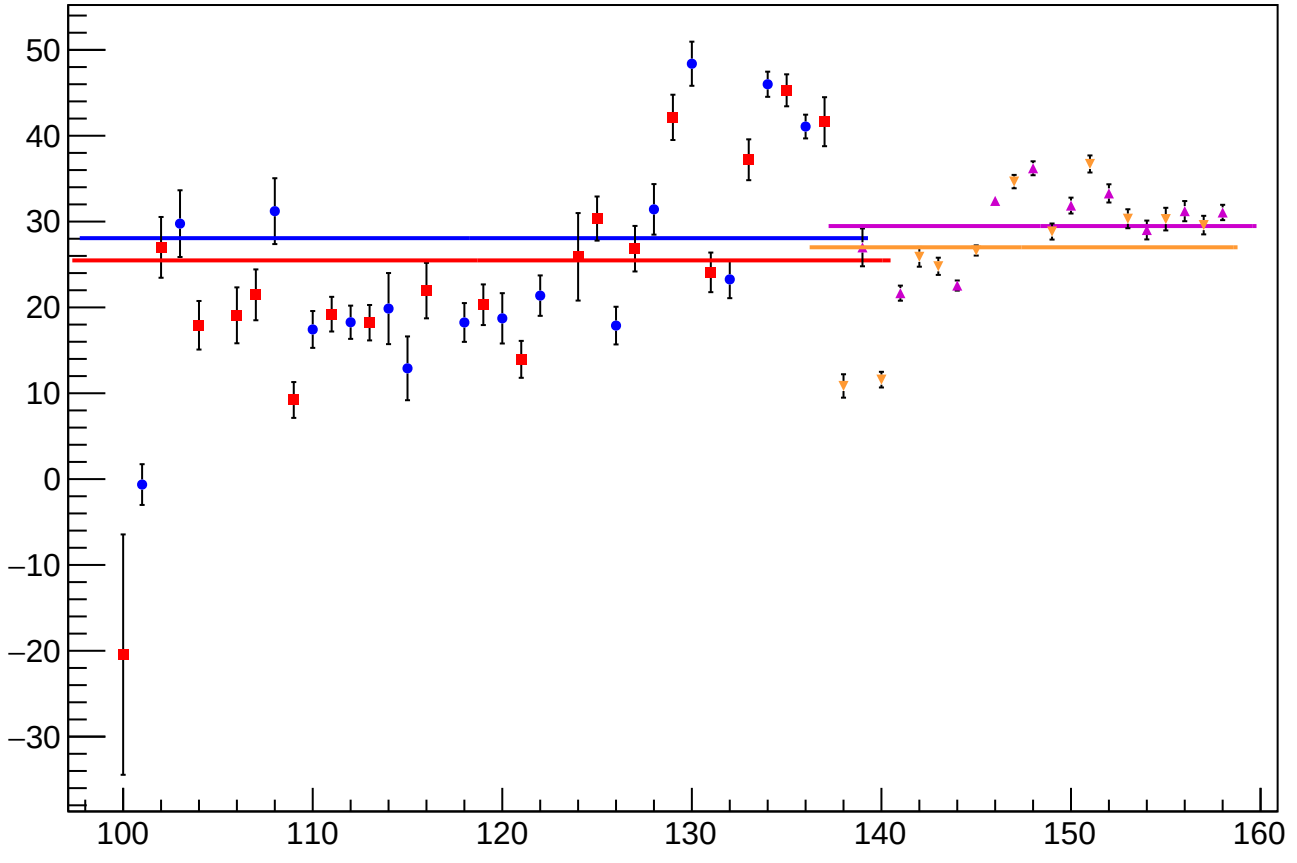
Left In: -68.134+/-0.320 χ^2/NDF:3529.3/9

+ sign -78.551+/-0.285 χ^2/NDF: 4849.7/26

All: -76.100+/-0.198 χ^2/NDF: 10530.0/55

- sign -73.802+/-0.276 χ^2/NDF: 5536.6/28

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 27.005+/-0.284 χ^2/NDF:648.6/10

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

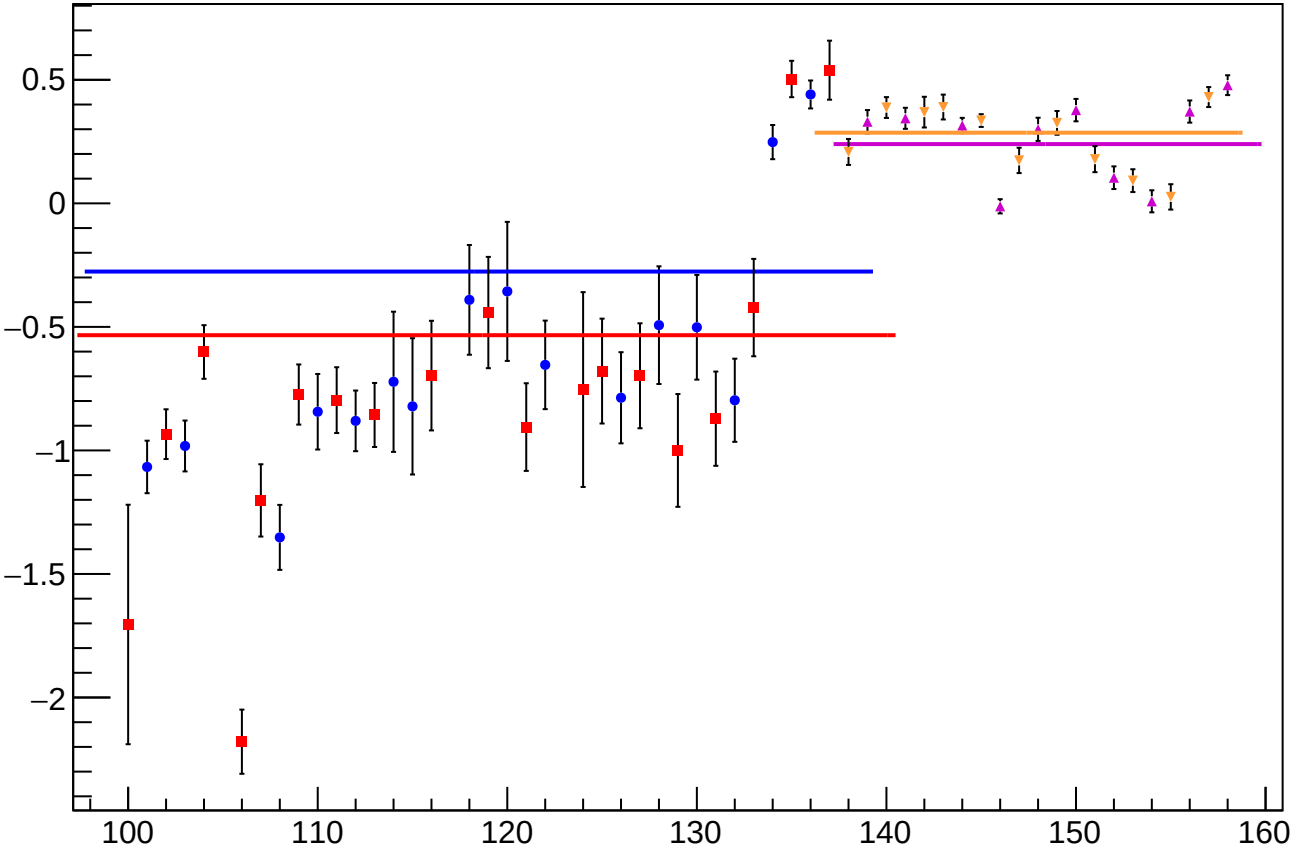
Left In: 29.477+/-0.262 χ^2/NDF:344.8/9

+ sign 27.217+/-0.254 χ^2/NDF: 1234.5/26

All: 28.067+/-0.174 χ^2/NDF: 1993.4/55

- sign 28.820+/-0.239 χ^2/NDF: 737.8/28

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.276+/-0.031 χ^2/NDF: 455.6/15

Left Out: 0.286+/-0.013 χ^2/NDF:83.3/10

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

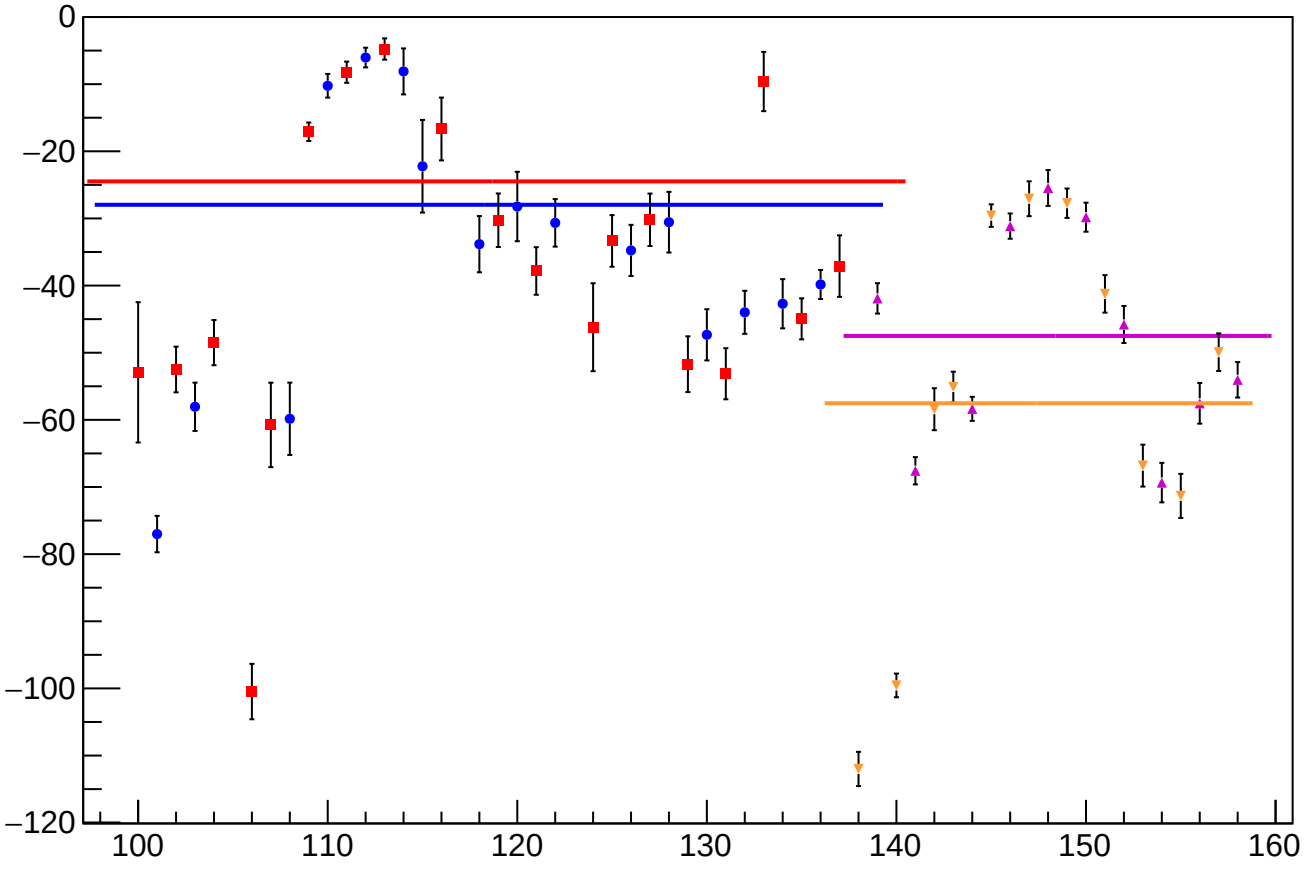
Left In: 0.240+/-0.013 χ^2/NDF:182.2/9

+ sign 0.198+/-0.012 χ^2/NDF: 822.6/26

All: 0.168+/-0.008 χ^2/NDF: 2009.6/55

- sign 0.140+/-0.012 χ^2/NDF: 1175.5/28

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -57.526+/-0.719 χ^2/NDF:1692.0/10

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

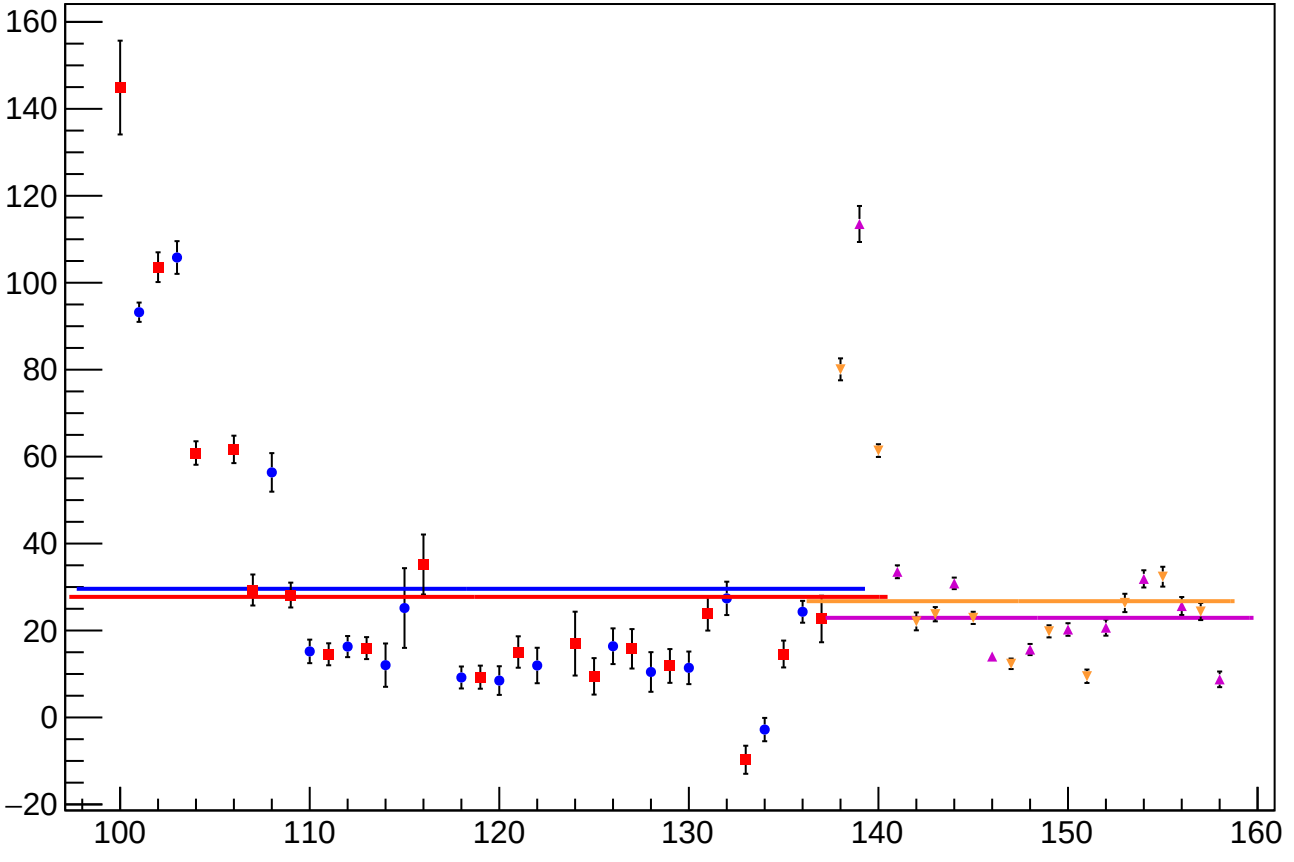
Left In: -47.503+/-0.729 χ^2/NDF:423.3/9

+ sign -42.918+/-0.511 χ^2/NDF: 3421.4/26

All: -38.744+/-0.354 χ^2/NDF: 5508.2/55

- sign -34.907+/-0.490 χ^2/NDF: 1958.9/28

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 26.747+/-0.498 χ^2/NDF:1319.3/10

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

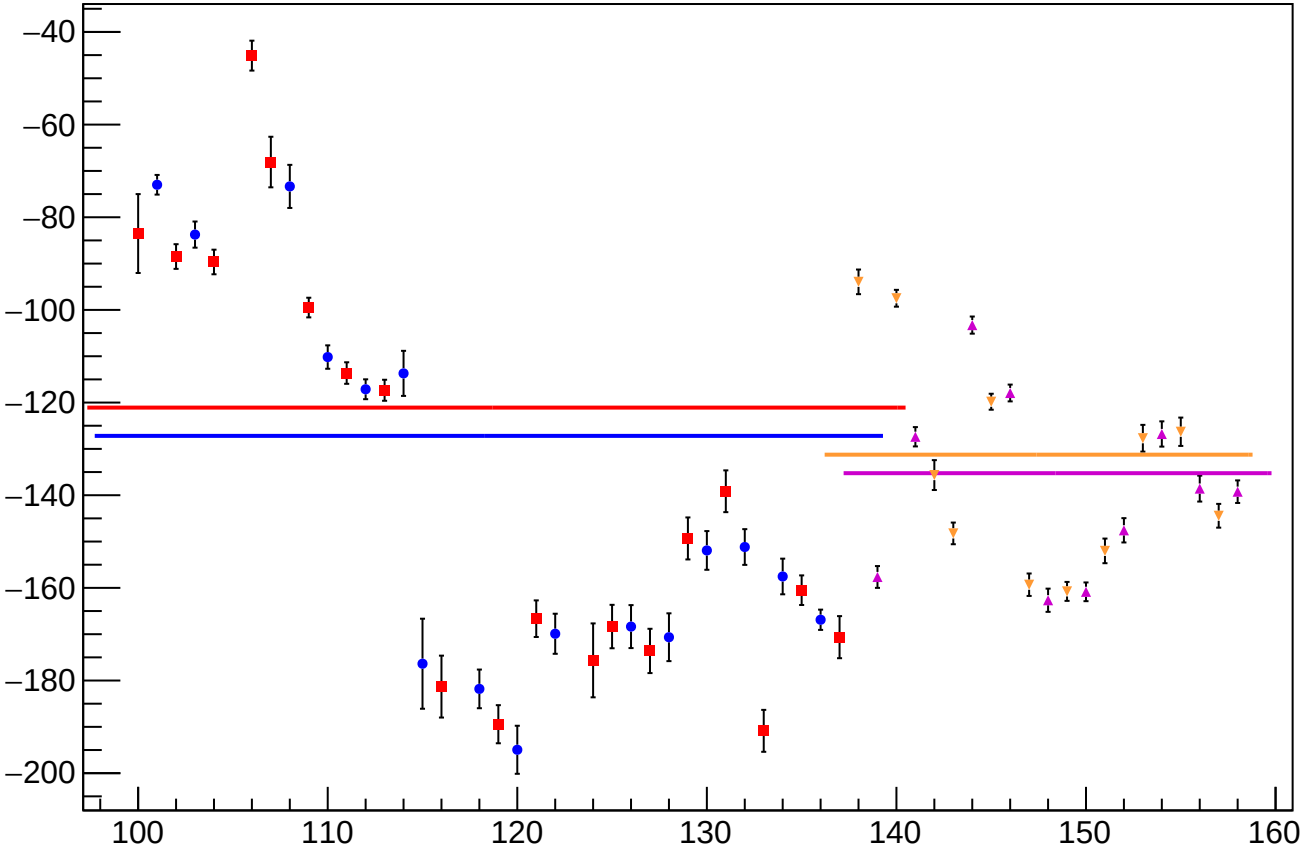
Left In: 22.915+/-0.499 χ^2/NDF:746.5/9

+ sign 27.532+/-0.424 χ^2/NDF: 2994.0/26

All: 25.899+/-0.299 χ^2/NDF: 4981.5/55

- sign 24.273+/-0.423 χ^2/NDF: 1957.9/28

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -131.247+/-0.709 χ^2/NDF:1074.9/10

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

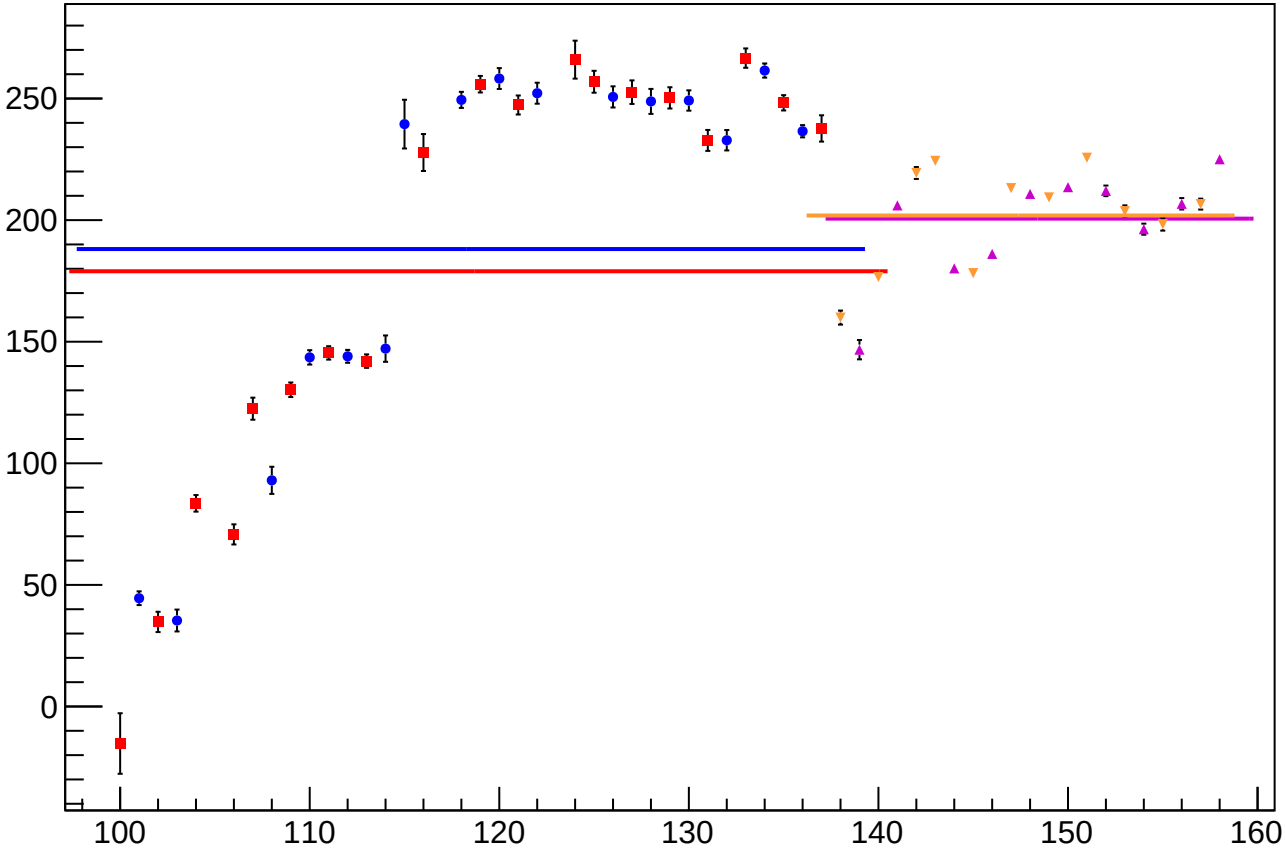
Left In: -135.244+/-0.709 χ^2/NDF:811.5/9

+ sign -129.534+/-0.539 χ^2/NDF: 3266.9/26

All: -129.259+/-0.378 χ^2/NDF: 6652.1/55

- sign -128.993+/-0.530 χ^2/NDF: 3384.7/28

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 201.902+/-0.602 χ^2/NDF:1040.4/10

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

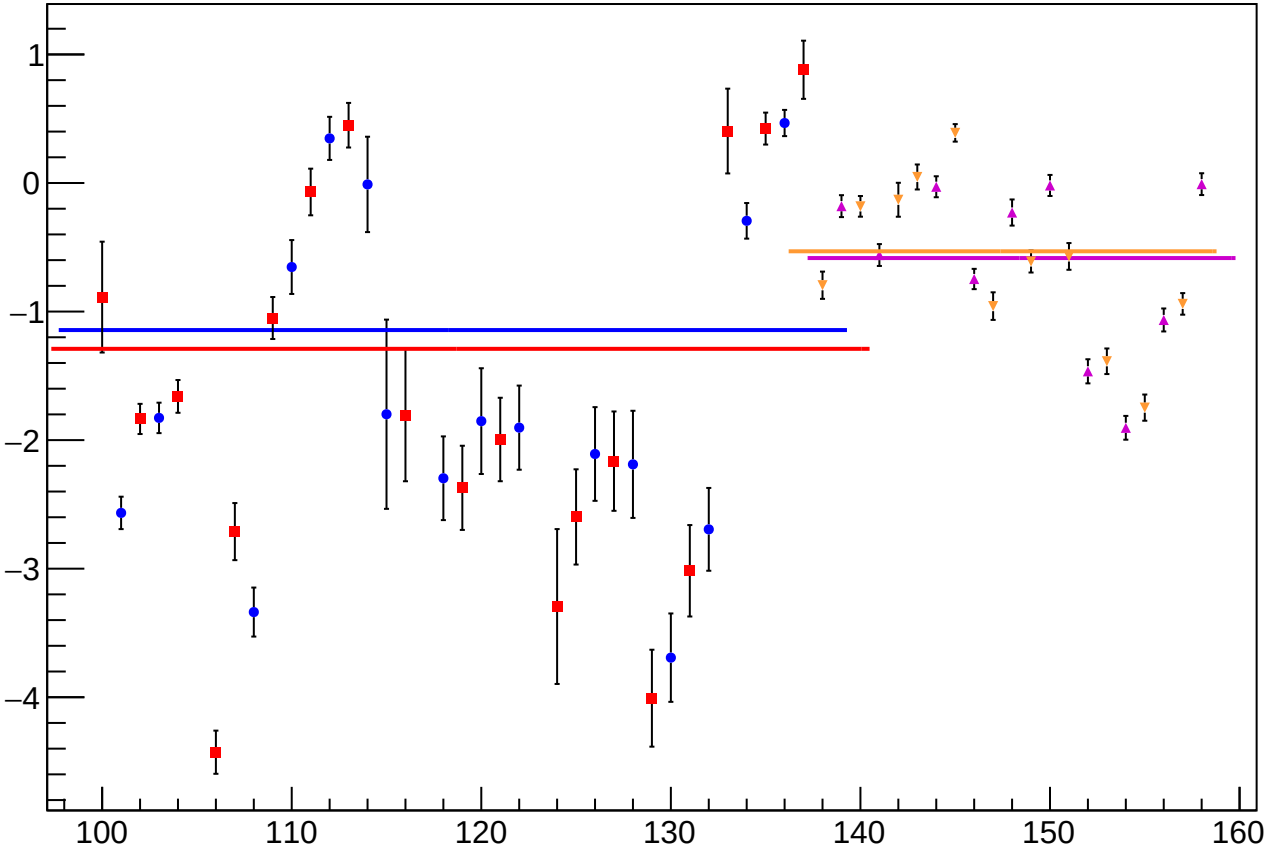
Left In: 200.614+/-0.594 χ^2/NDF:767.9/9

+ sign 197.759+/-0.503 χ^2/NDF: 8317.0/26

All: 195.921+/-0.354 χ^2/NDF: 16177.8/55

- sign 194.126+/-0.497 χ^2/NDF: 7834.5/28

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.531+/-0.028 χ^2/NDF:509.2/10

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

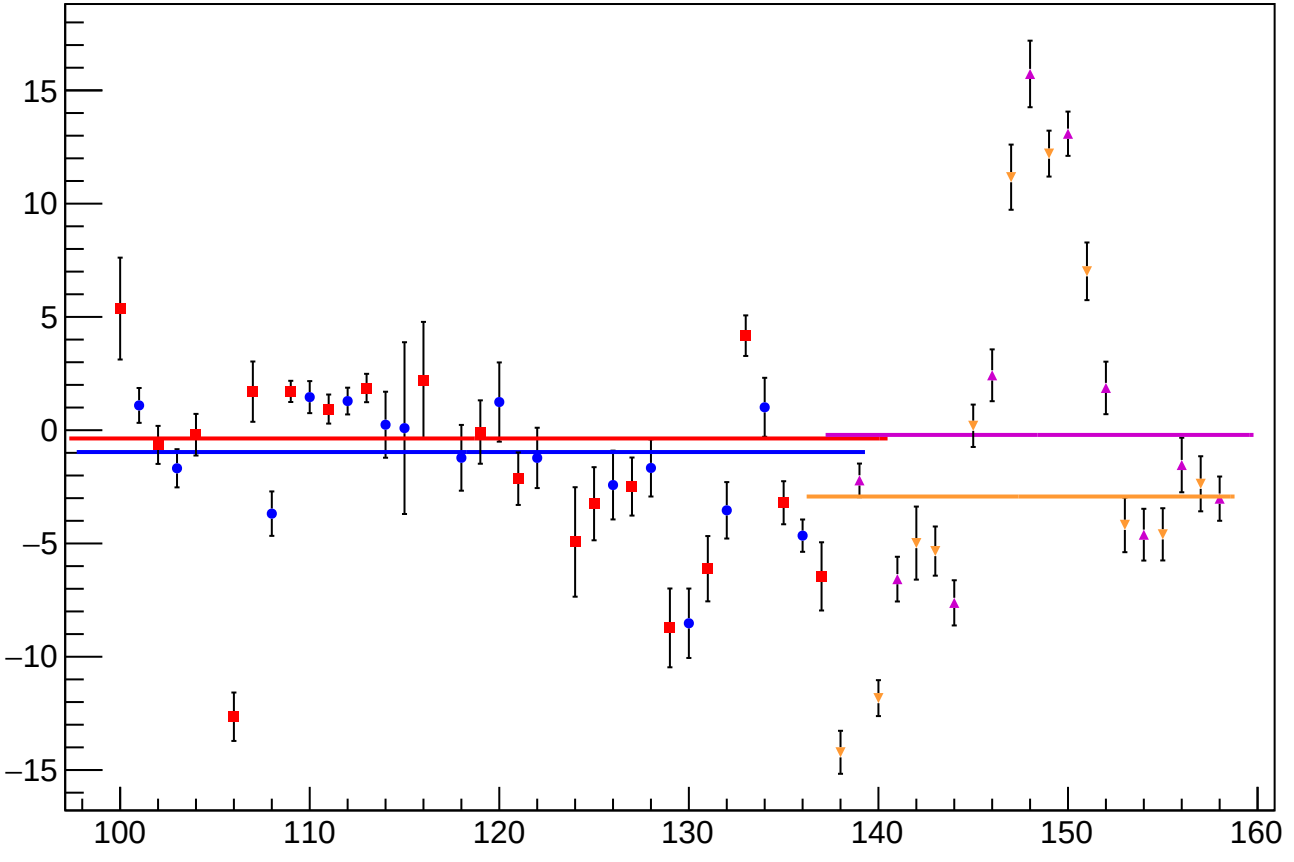
Left In: -0.584+/-0.027 χ^2/NDF:499.4/9

+ sign -0.687+/-0.024 χ^2/NDF: 1418.1/26

All: -0.724+/-0.017 χ^2/NDF: 3086.5/55

- sign -0.761+/-0.024 χ^2/NDF: 1663.6/28

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -2.928+/-0.328 χ^2/NDF:668.6/10

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

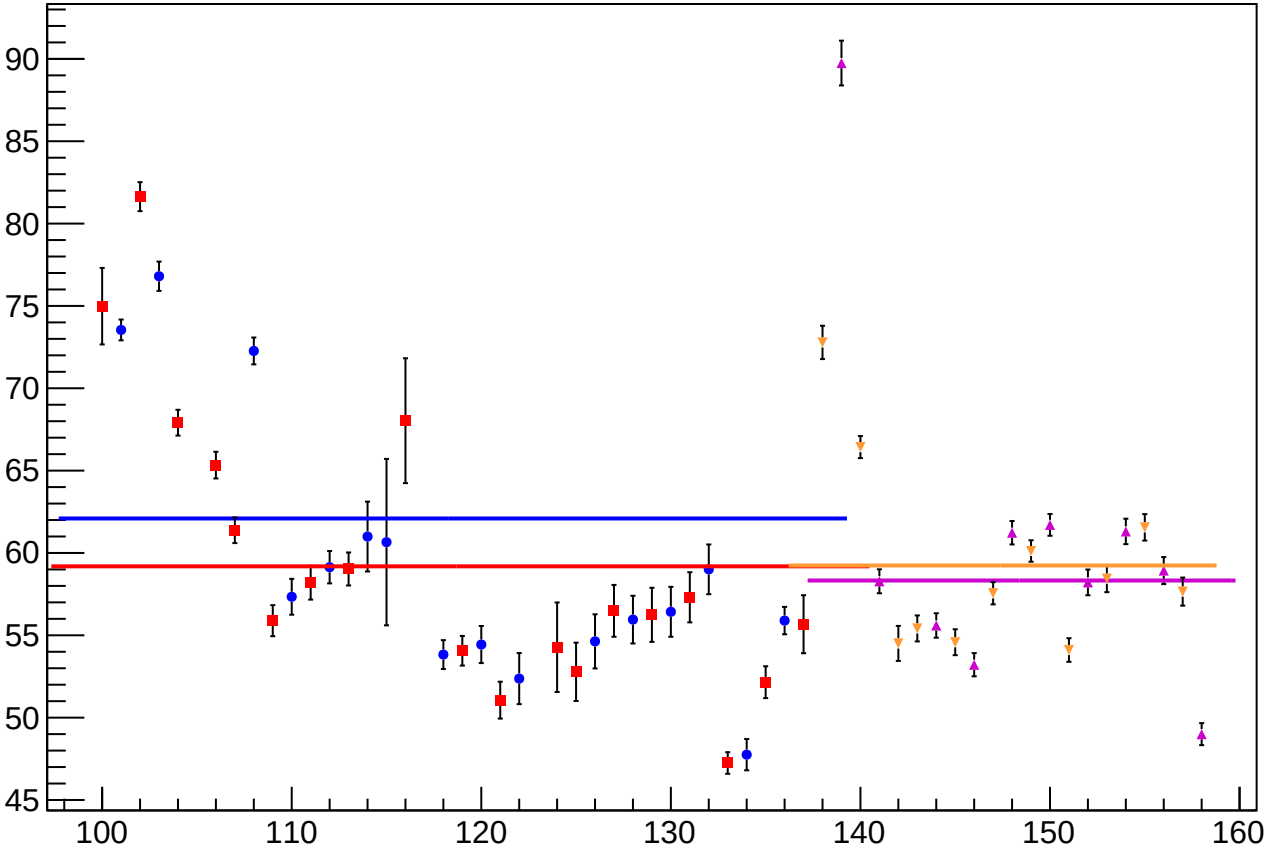
Left In: -0.208+/-0.327 χ^2/NDF:439.9/9

+ sign -1.696+/-0.201 χ^2/NDF: 794.2/26

All: -0.948+/-0.136 χ^2/NDF: 1540.5/55

- sign -0.315+/-0.185 χ^2/NDF: 720.7/28

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 59.240+/-0.234 χ^2/NDF:444.8/10

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

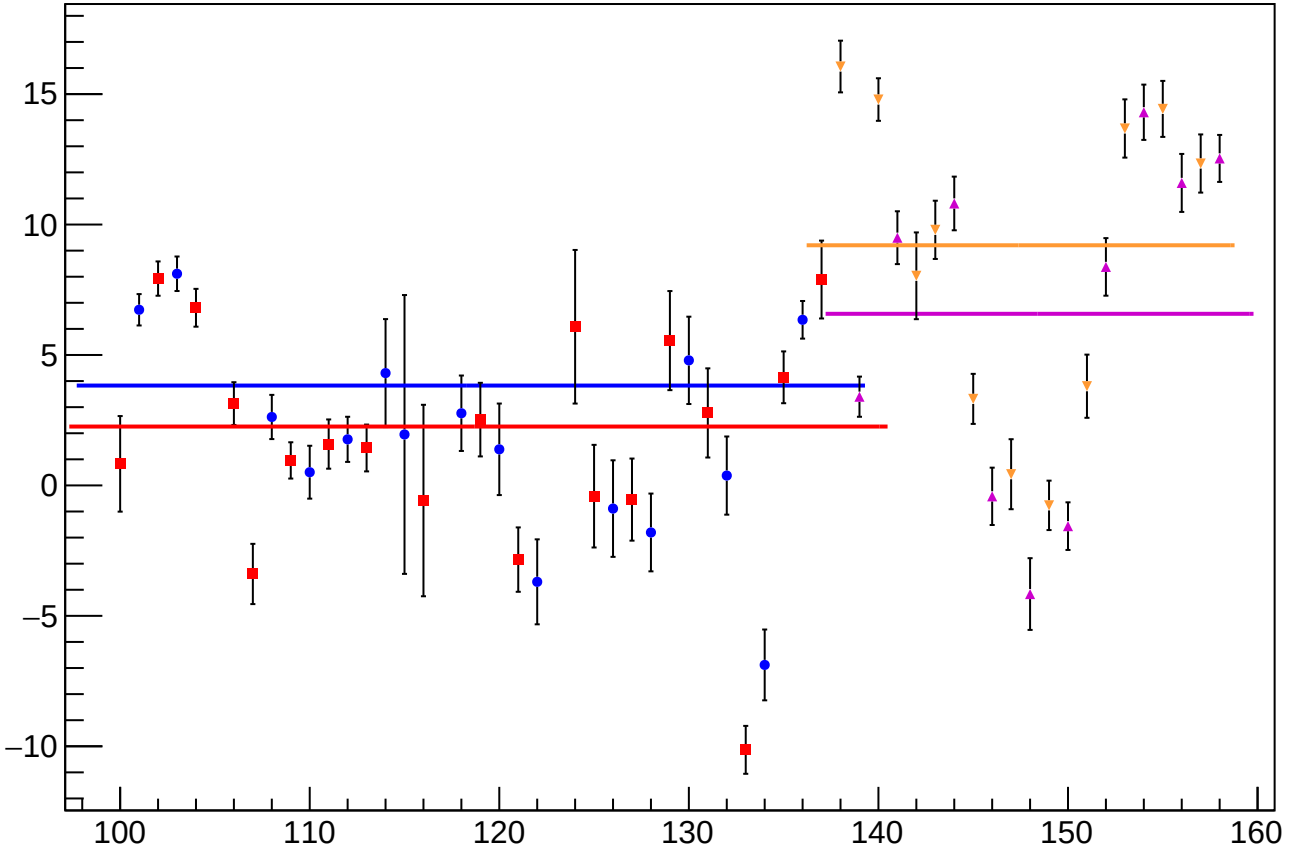
Left In: 58.327+/-0.239 χ^2/NDF:853.5/9

+ sign 60.490+/-0.176 χ^2/NDF: 1811.1/26

All: 59.593+/-0.122 χ^2/NDF: 4123.7/55

- sign 58.748+/-0.171 χ^2/NDF: 2262.0/28

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 3.828+/-0.265 χ^2/NDF: 208.6/15

Left Out: 9.205+/-0.323 χ^2/NDF:354.3/10

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

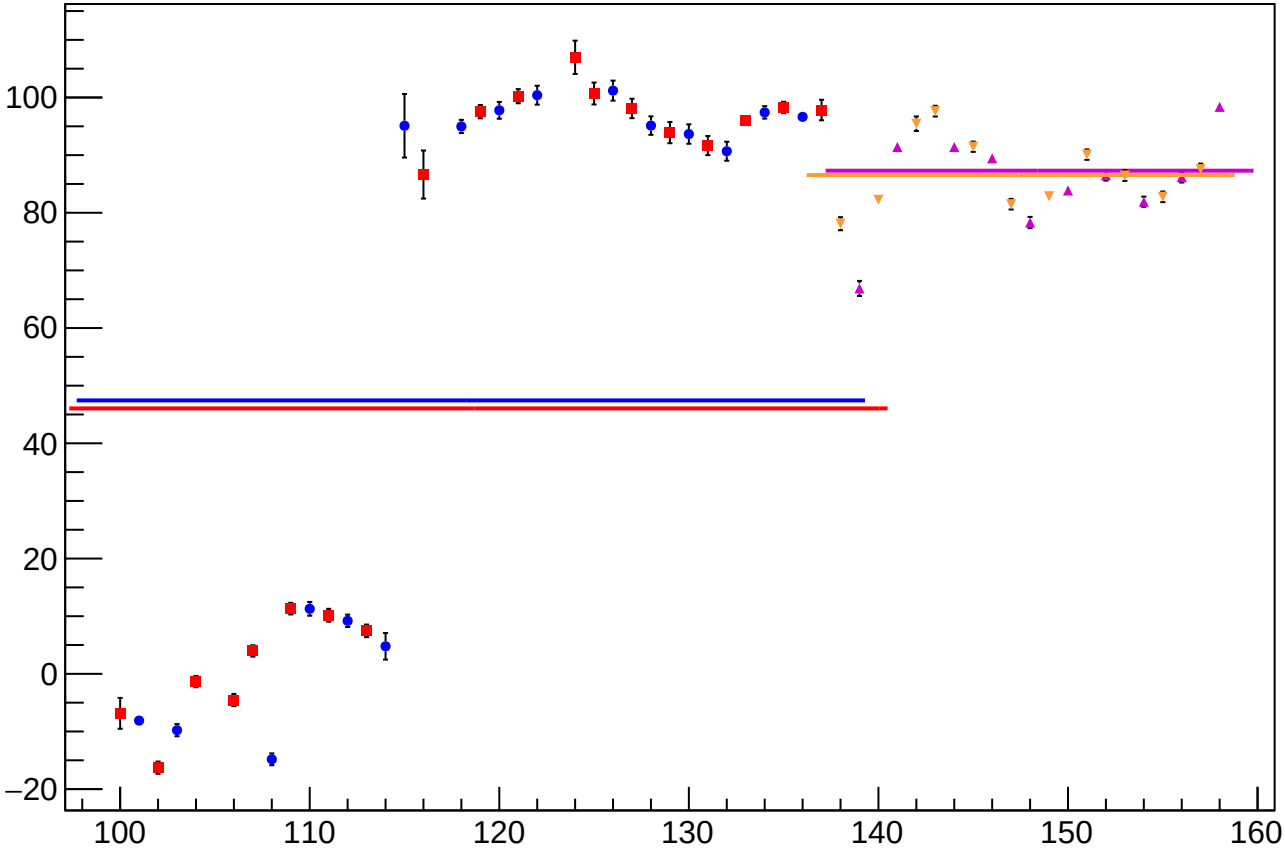
Left In: 6.578+/-0.318 χ^2/NDF:343.3/9

+ sign 5.996+/-0.205 χ^2/NDF: 728.6/26

All: 4.884+/-0.141 χ^2/NDF: 1615.3/55

- sign 3.881+/-0.195 χ^2/NDF: 830.8/28

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 86.544+/-0.280 χ^2/NDF:391.5/10

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

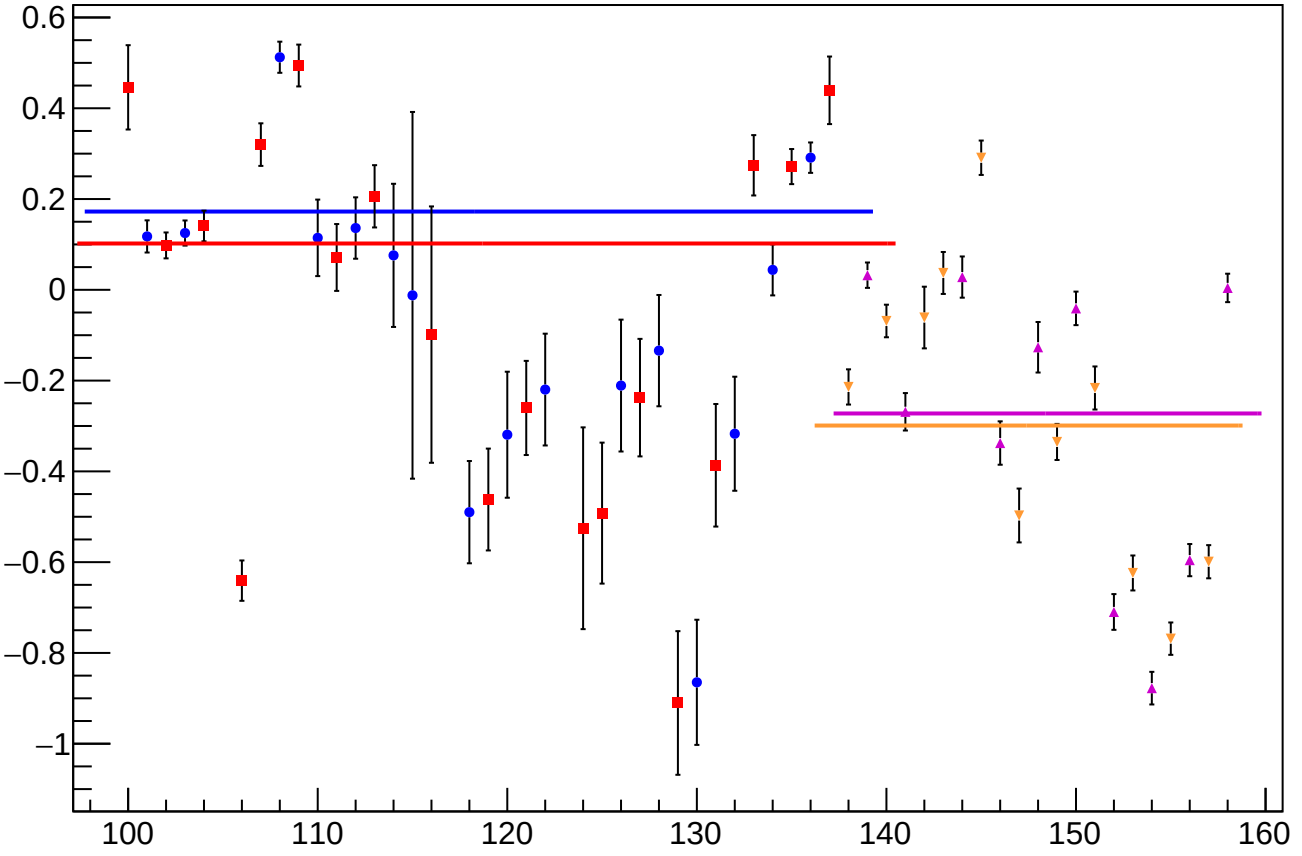
Left In: 87.302+/-0.277 χ^2/NDF:688.9/9

\+ sign 68.888+/-0.207 χ^2/NDF: 36114.2/26

All: 68.008+/-0.143 χ^2/NDF: 76516.2/55

\- sign 67.197+/-0.199 χ^2/NDF: 40367.3/28

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.299+/-0.013 χ^2/NDF:680.8/10

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

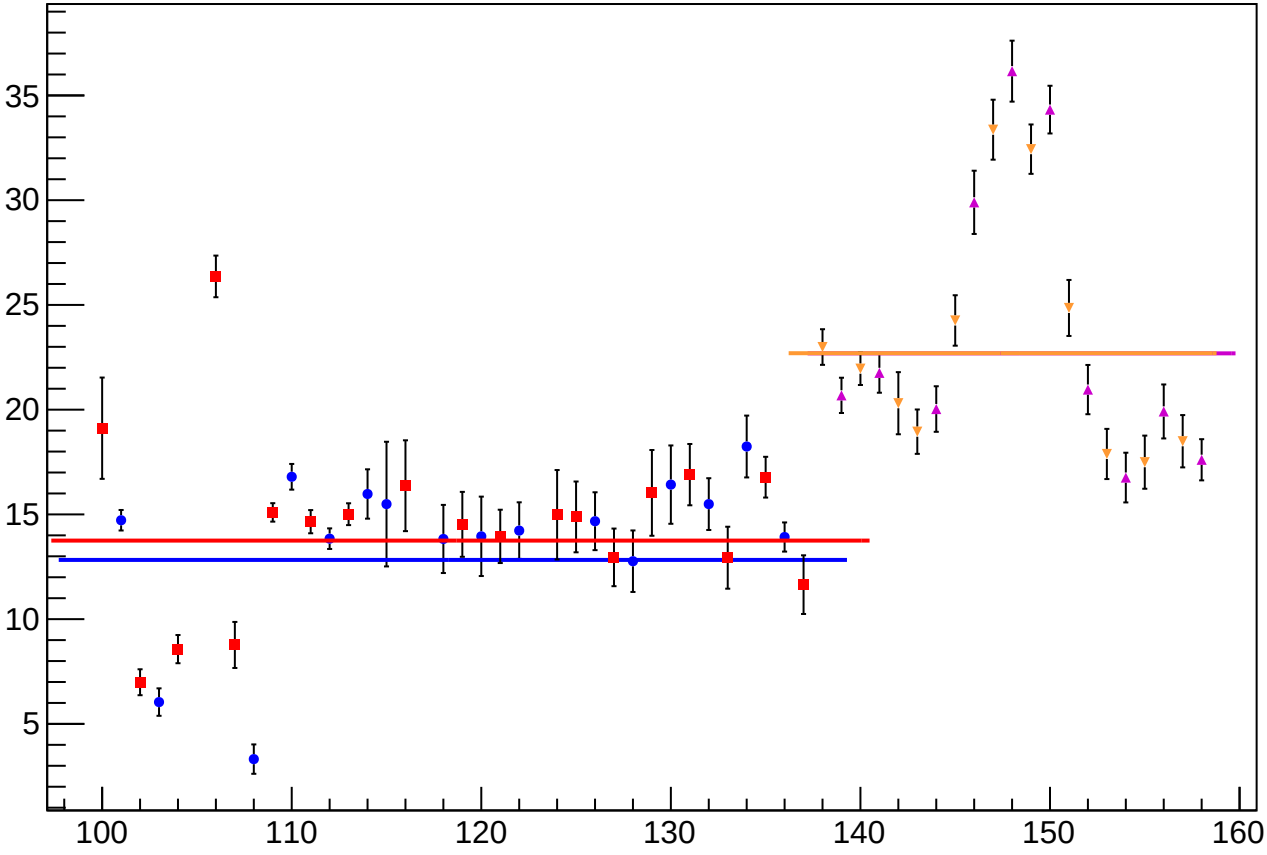
Left In: -0.272+/-0.012 χ^2/NDF:778.6/9

+ sign -0.092+/-0.009 χ^2/NDF: 1568.9/26

All: -0.101+/-0.006 χ^2/NDF: 3343.0/55

- sign -0.108+/-0.009 χ^2/NDF: 1772.6/28

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 22.695+/-0.337 χ^2/NDF:188.6/10

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

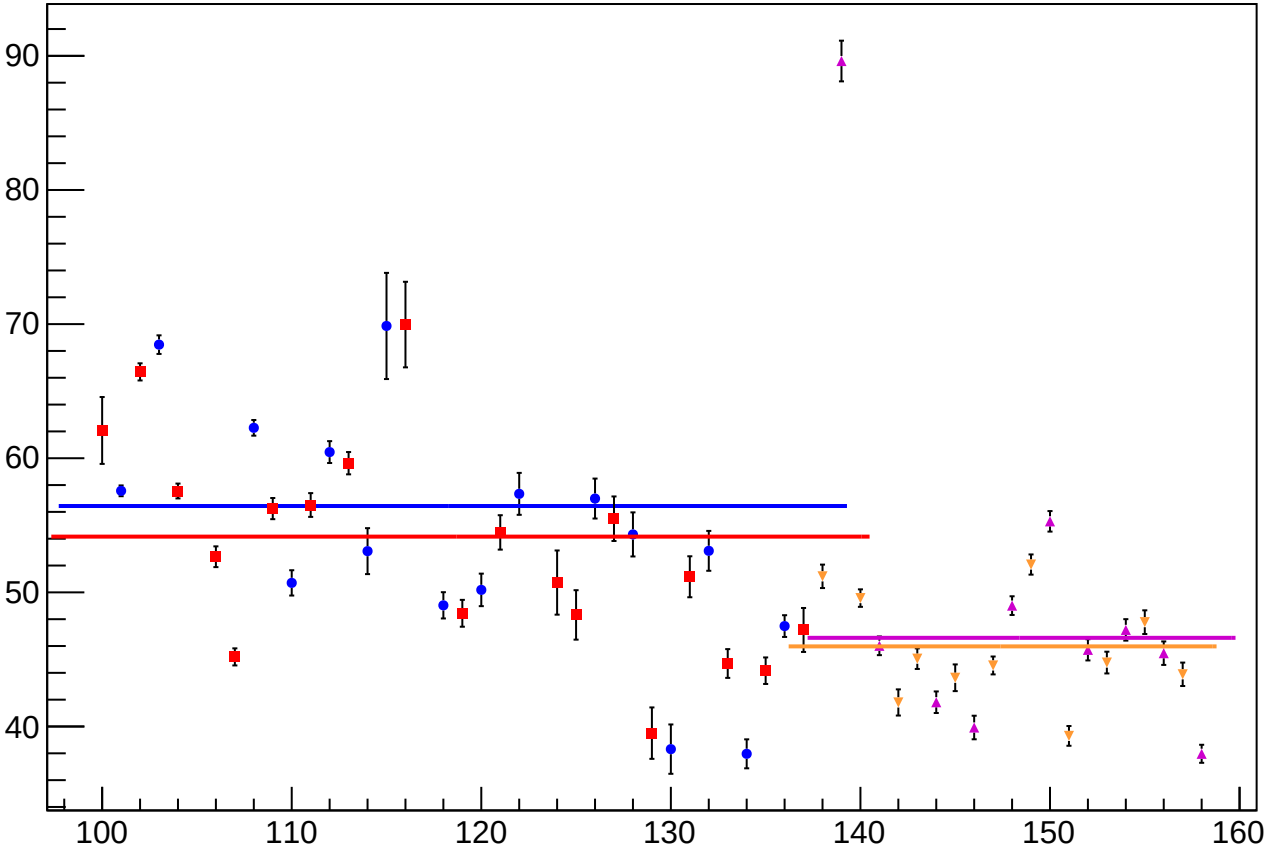
Left In: 22.688+/-0.351 χ^2/NDF:284.1/9

+ sign 15.660+/-0.181 χ^2/NDF: 1186.8/26

All: 15.839+/-0.126 χ^2/NDF: 2361.4/55

- sign 16.010+/-0.176 χ^2/NDF: 1172.8/28

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 45.972+/-0.240 χ^2/NDF:255.9/10

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

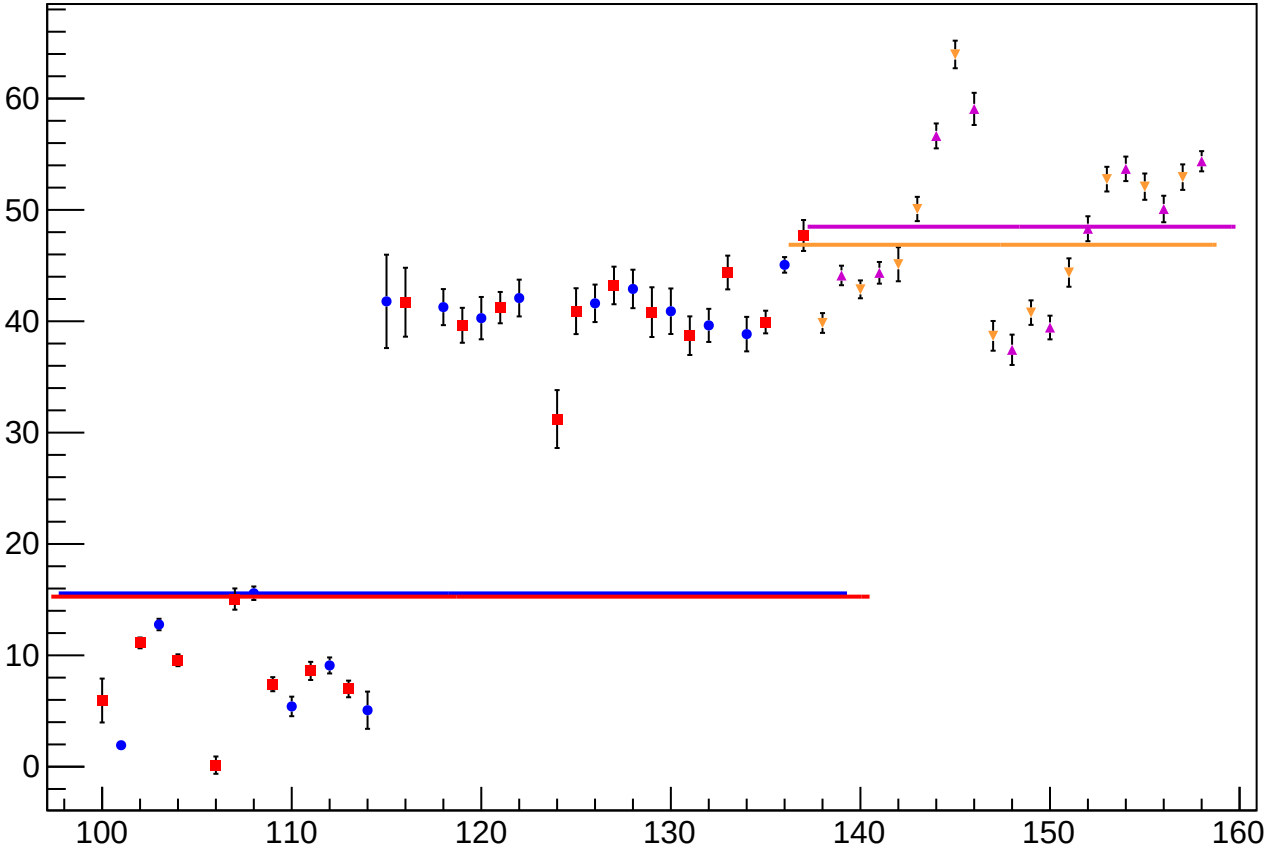
Left In: 46.611+/-0.252 χ^2/NDF:1207.6/9

+ sign 51.612+/-0.163 χ^2/NDF: 2370.4/26

All: 51.223+/-0.117 χ^2/NDF: 5096.9/55

- sign 50.812+/-0.168 χ^2/NDF: 2714.8/28

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 46.869+/-0.333 χ^2/NDF:435.8/10

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

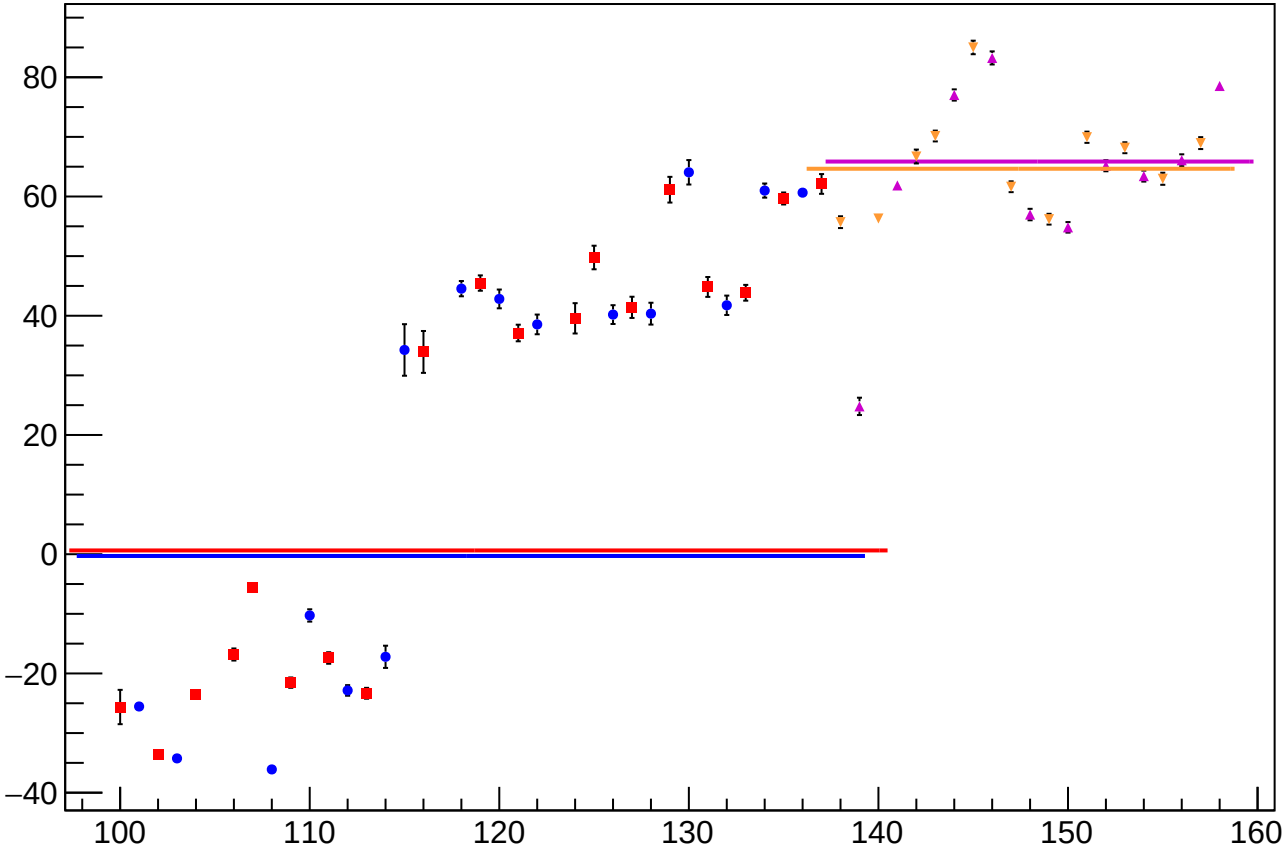
Left In: 48.491+/-0.341 χ^2/NDF:354.2/9

+ sign 24.727+/-0.180 χ^2/NDF: 11878.7/26

All: 24.851+/-0.129 χ^2/NDF: 22824.0/55

- sign 24.982+/-0.184 χ^2/NDF: 10944.4/28

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 64.655+/-0.287 χ^2/NDF:721.9/10

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

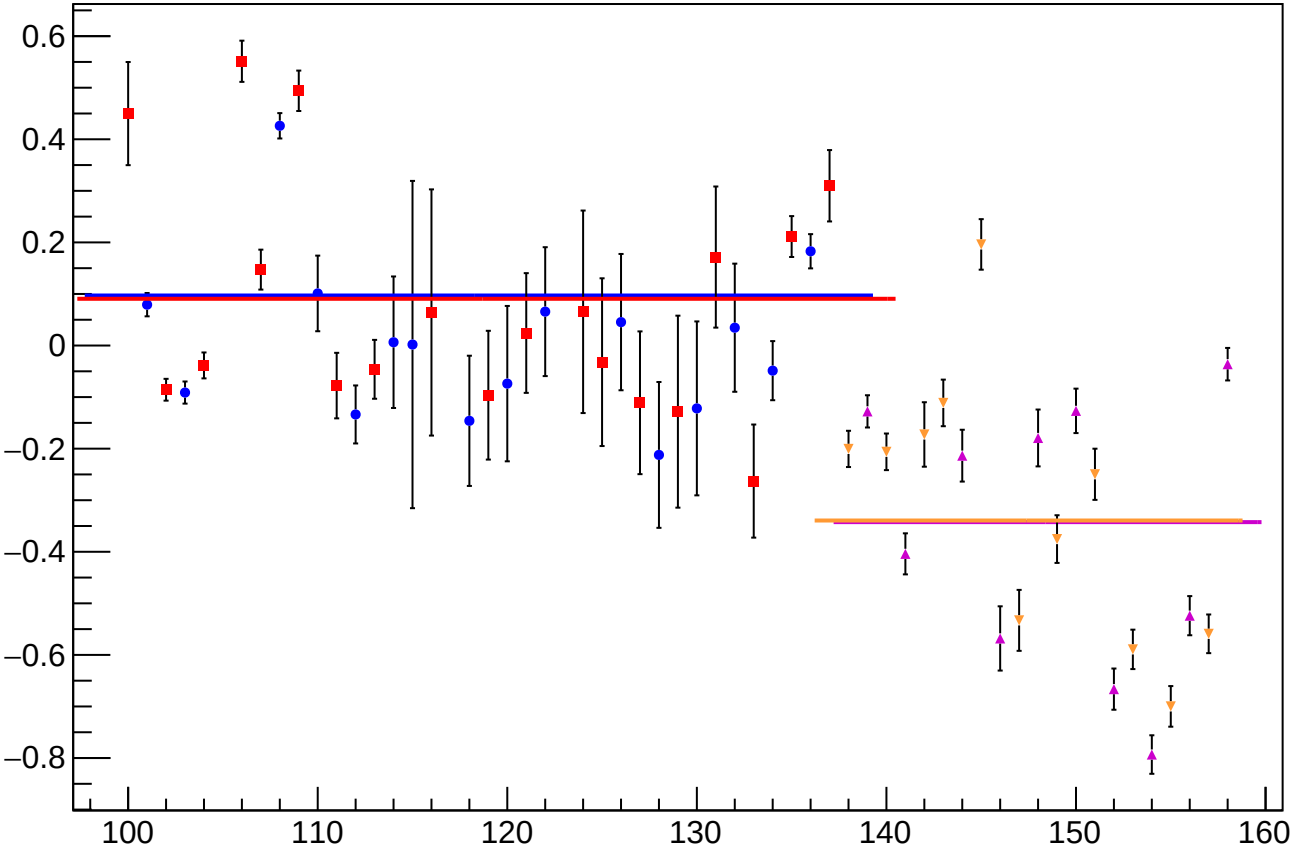
Left In: 65.863+/-0.294 χ^2/NDF:1781.9/9

+ sign 29.103+/-0.193 χ^2/NDF: 49697.9/26

All: 29.418+/-0.138 χ^2/NDF: 94838.2/55

- sign 29.742+/-0.196 χ^2/NDF: 45134.9/28

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.339+/-0.013 χ^2/NDF:357.1/10

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

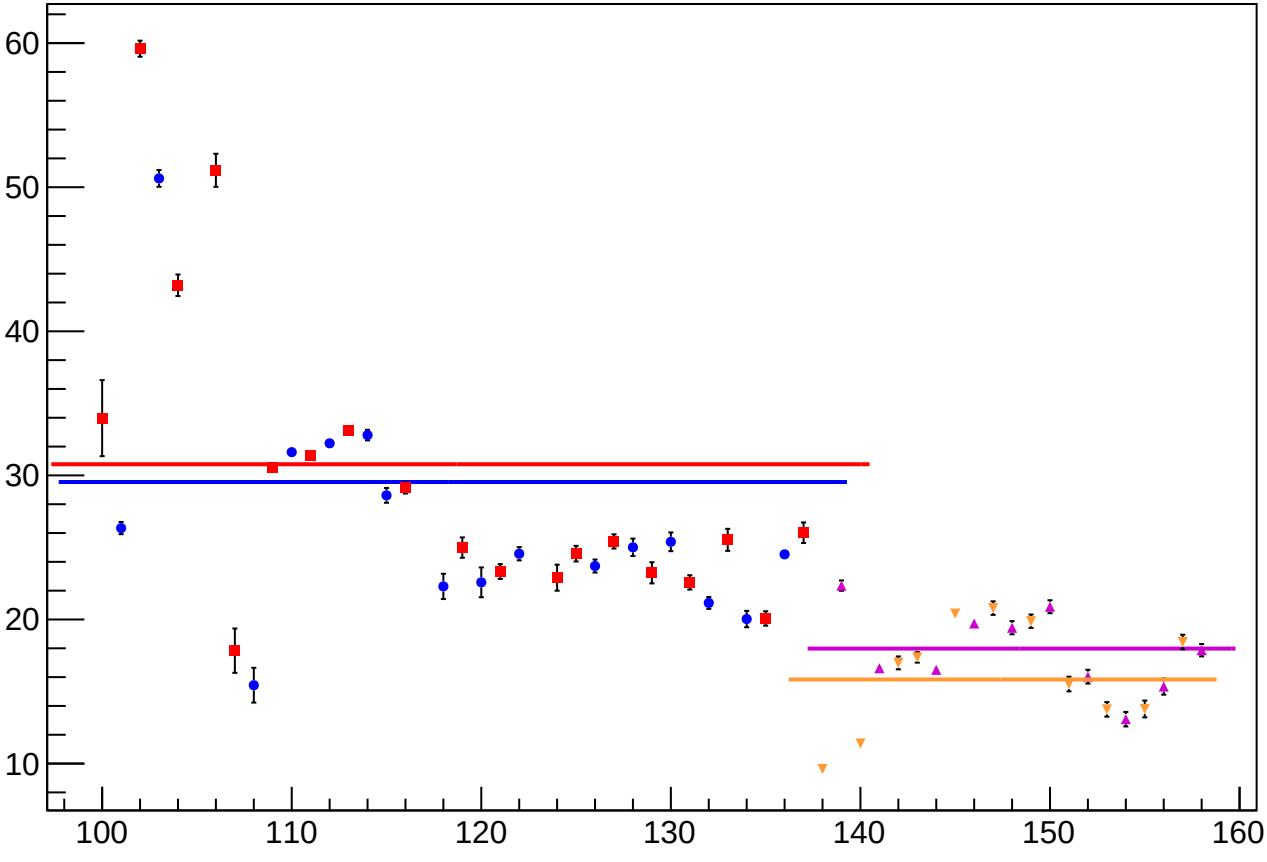
Left In: -0.342+/-0.013 χ^2/NDF:431.6/9

+ sign -0.090+/-0.008 χ^2/NDF: 1305.0/26

All: -0.096+/-0.006 χ^2/NDF: 2782.7/55

- sign -0.103+/-0.008 χ^2/NDF: 1476.5/28

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 15.837+/-0.118 χ^2/NDF:1163.7/10

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

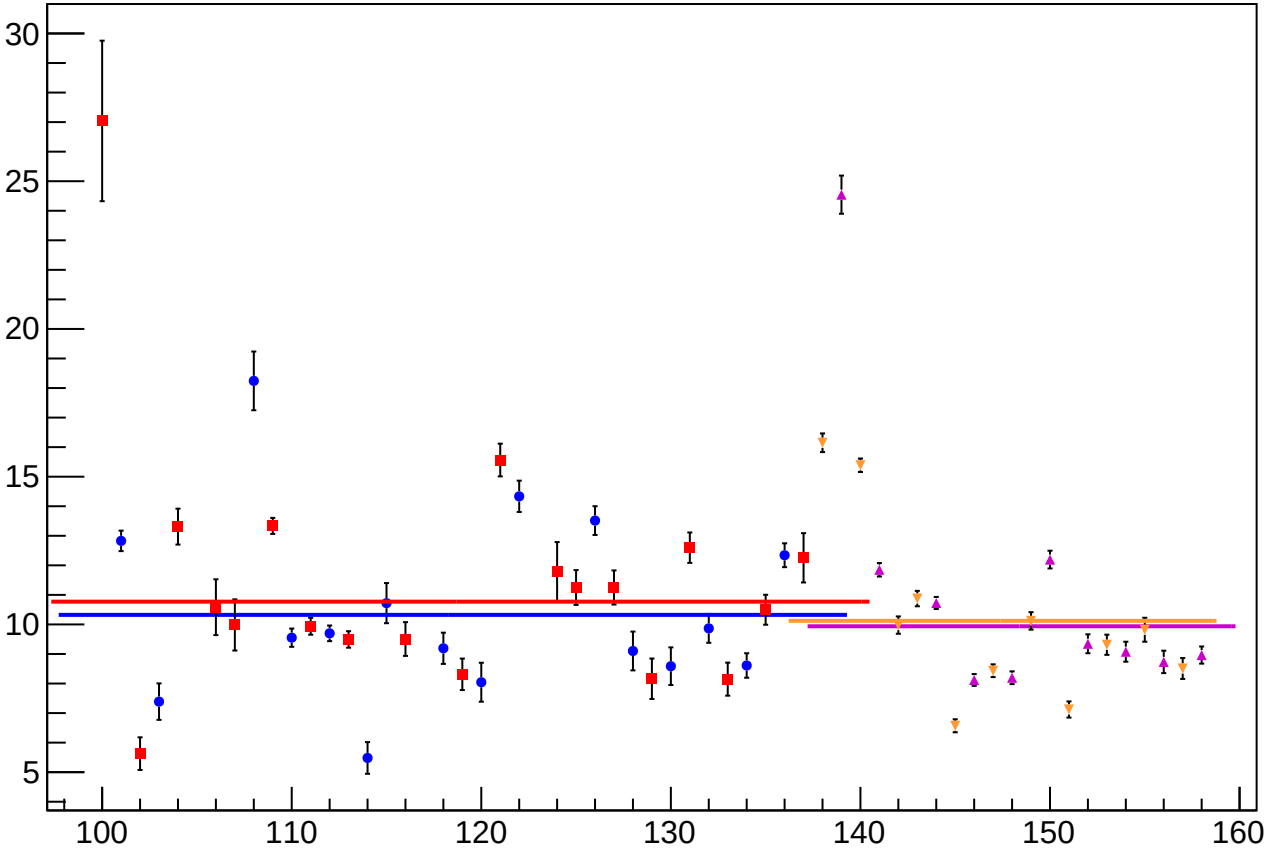
Left In: 17.981+/-0.123 χ^2/NDF:407.4/9

+ sign 24.351+/-0.072 χ^2/NDF: 12949.4/26

All: 25.754+/-0.049 χ^2/NDF: 26729.8/55

- sign 26.959+/-0.067 χ^2/NDF: 13083.6/28

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.324+/-0.114 χ^2/NDF: 402.6/15

Left Out: 10.122+/-0.083 χ^2/NDF:1371.7/10

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

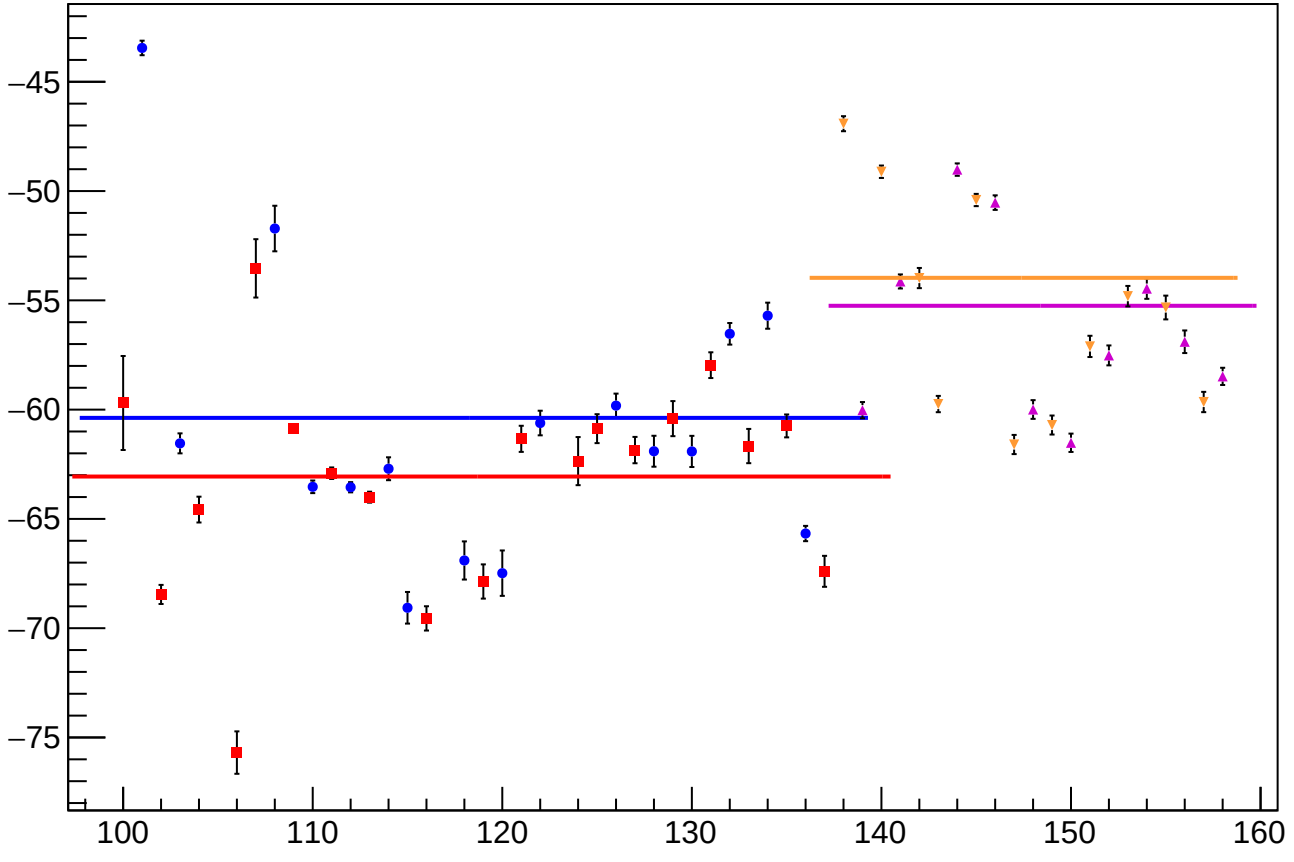
Left In: 9.938+/-0.084 χ^2/NDF:832.7/9

+ sign 10.192+/-0.067 χ^2/NDF: 1776.4/26

All: 10.214+/-0.048 χ^2/NDF: 3060.0/55

- sign 10.236+/-0.068 χ^2/NDF: 1283.4/28

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -60.377+/-0.113 χ^2/NDF: 3597.6/15

Left Out: -53.970+/-0.117 χ^2/NDF:1854.6/10

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

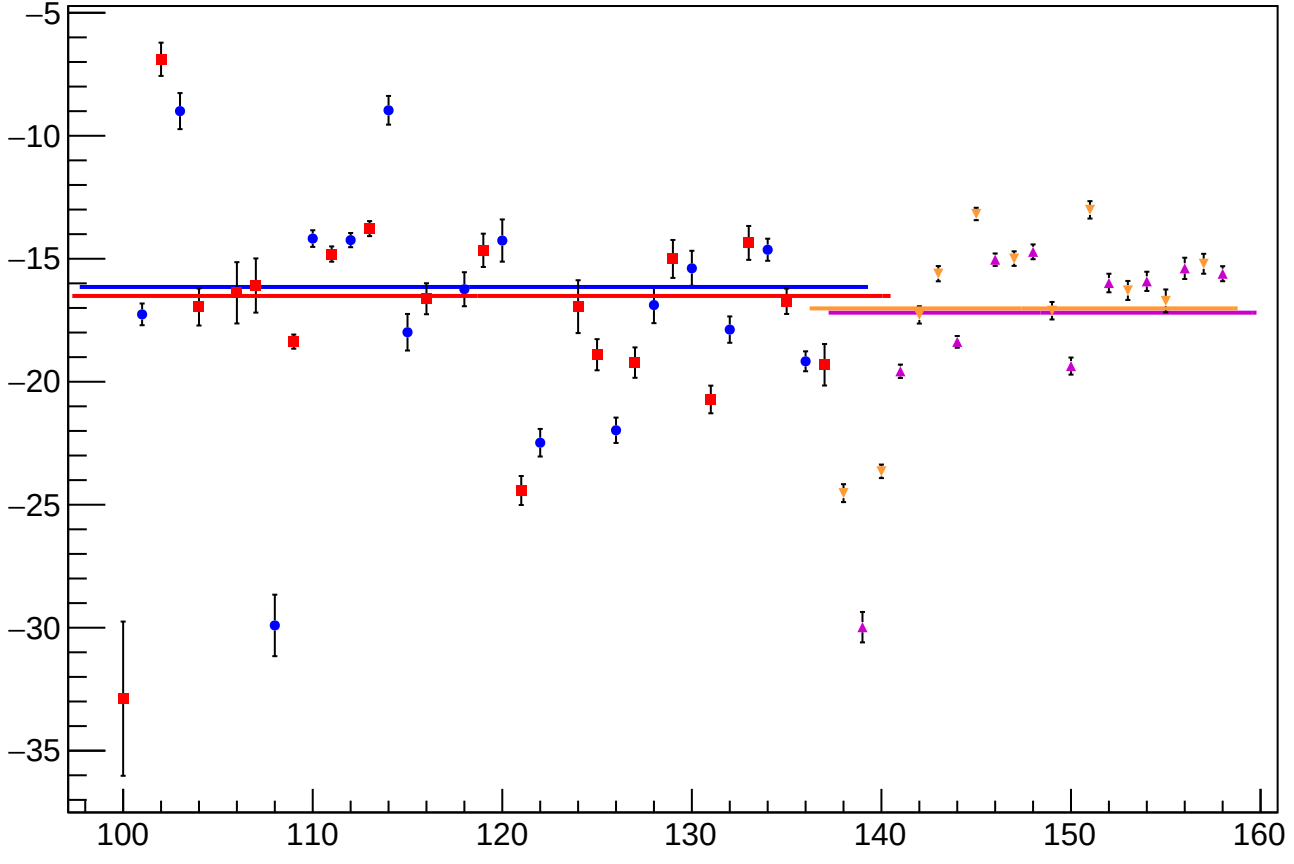
Left In: -55.249+/-0.120 χ^2/NDF:1308.7/9

+ sign -57.293+/-0.081 χ^2/NDF: 6999.6/26

All: -58.468+/-0.057 χ^2/NDF: 11909.4/55

- sign -59.605+/-0.080 χ^2/NDF: 4499.9/28

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -17.018+/-0.100 χ^2/NDF:1456.3/10

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

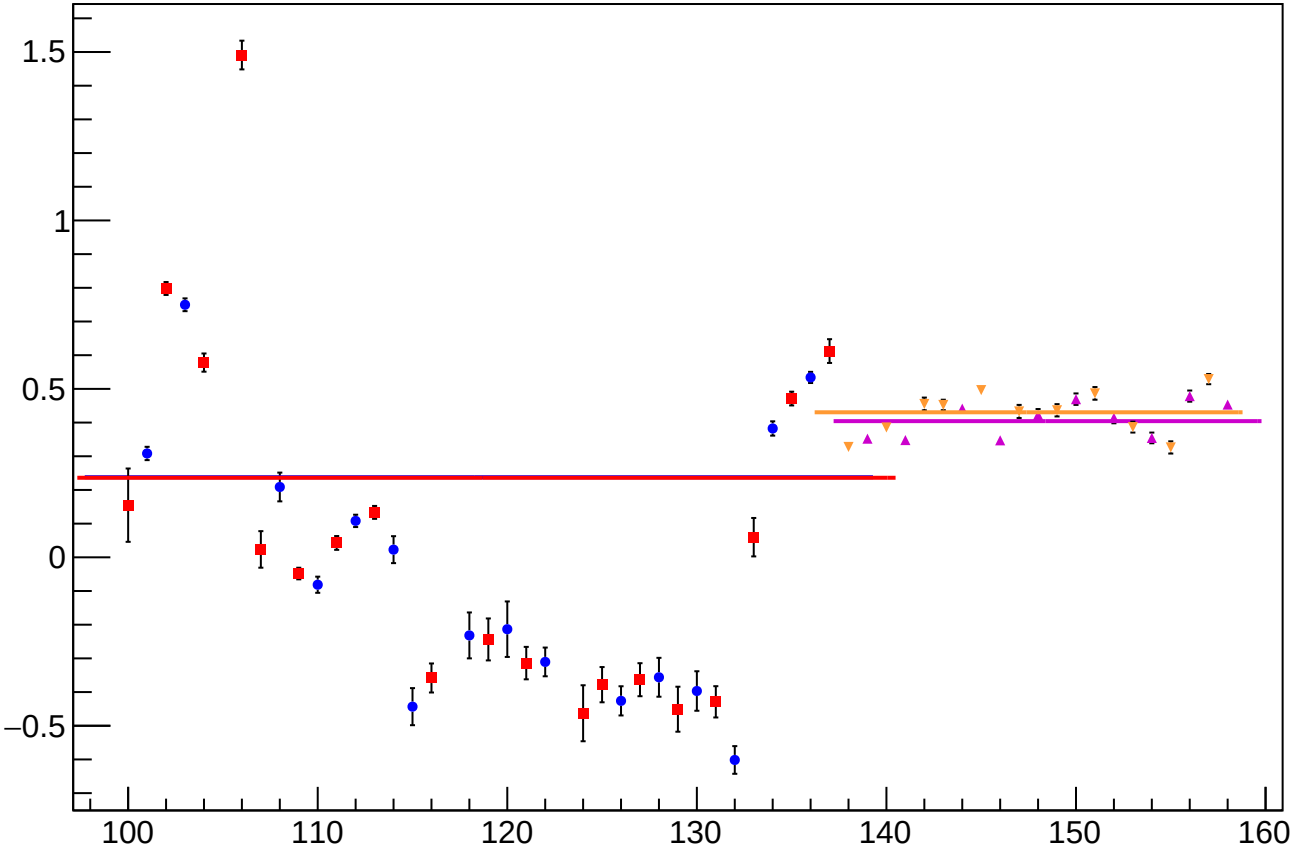
Left In: -17.192+/-0.101 χ^2/NDF:771.9/9

+ sign -16.685+/-0.079 χ^2/NDF: 2282.3/26

All: -16.804+/-0.056 χ^2/NDF: 3761.5/55

- sign -16.923+/-0.078 χ^2/NDF: 1474.6/28

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.431+/-0.005 χ^2/NDF:197.8/10

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

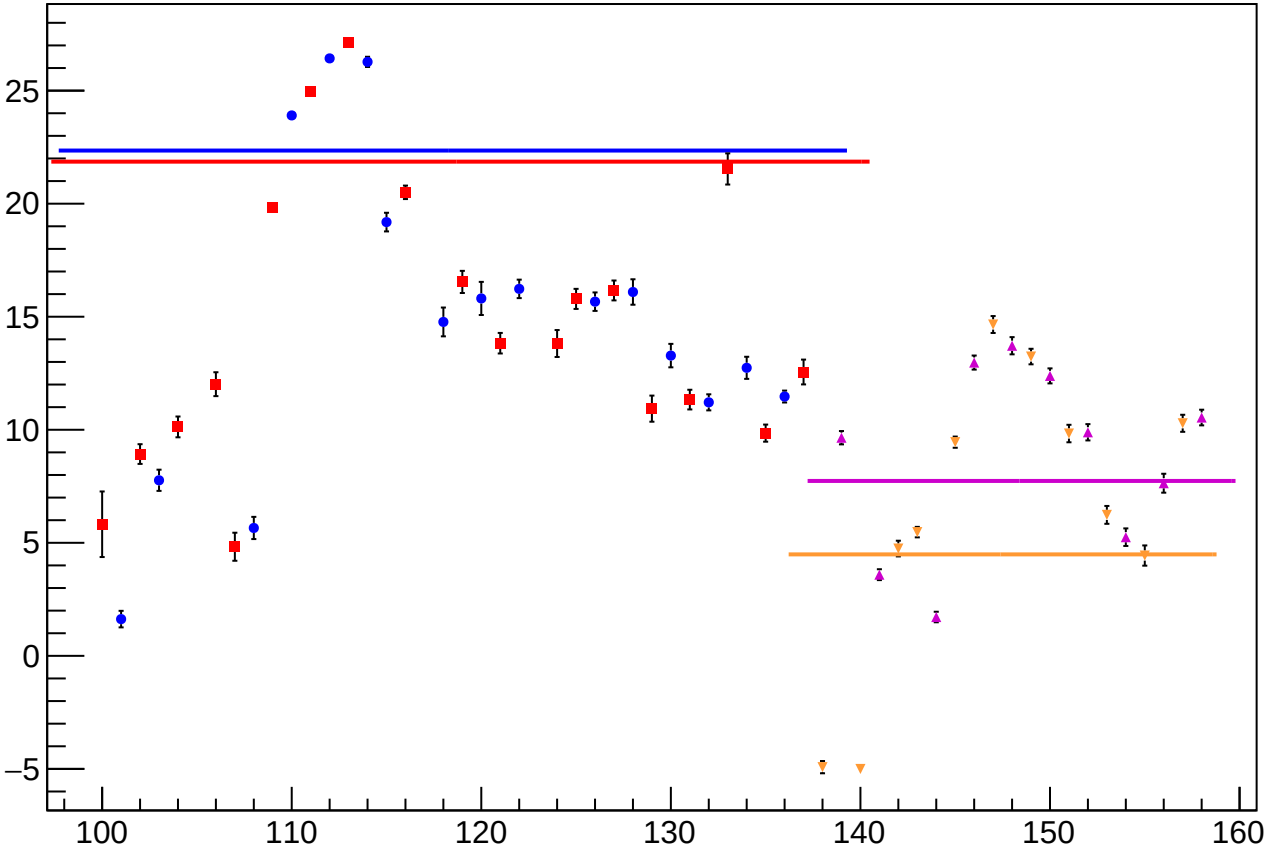
Left In: 0.404+/-0.005 χ^2/NDF:116.9/9

+ sign 0.372+/-0.004 χ^2/NDF: 3349.7/26

All: 0.363+/-0.003 χ^2/NDF: 7465.2/55

- sign 0.354+/-0.004 χ^2/NDF: 4104.2/28

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: 4.488+/-0.092 χ^2/NDF:5426.4/10

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

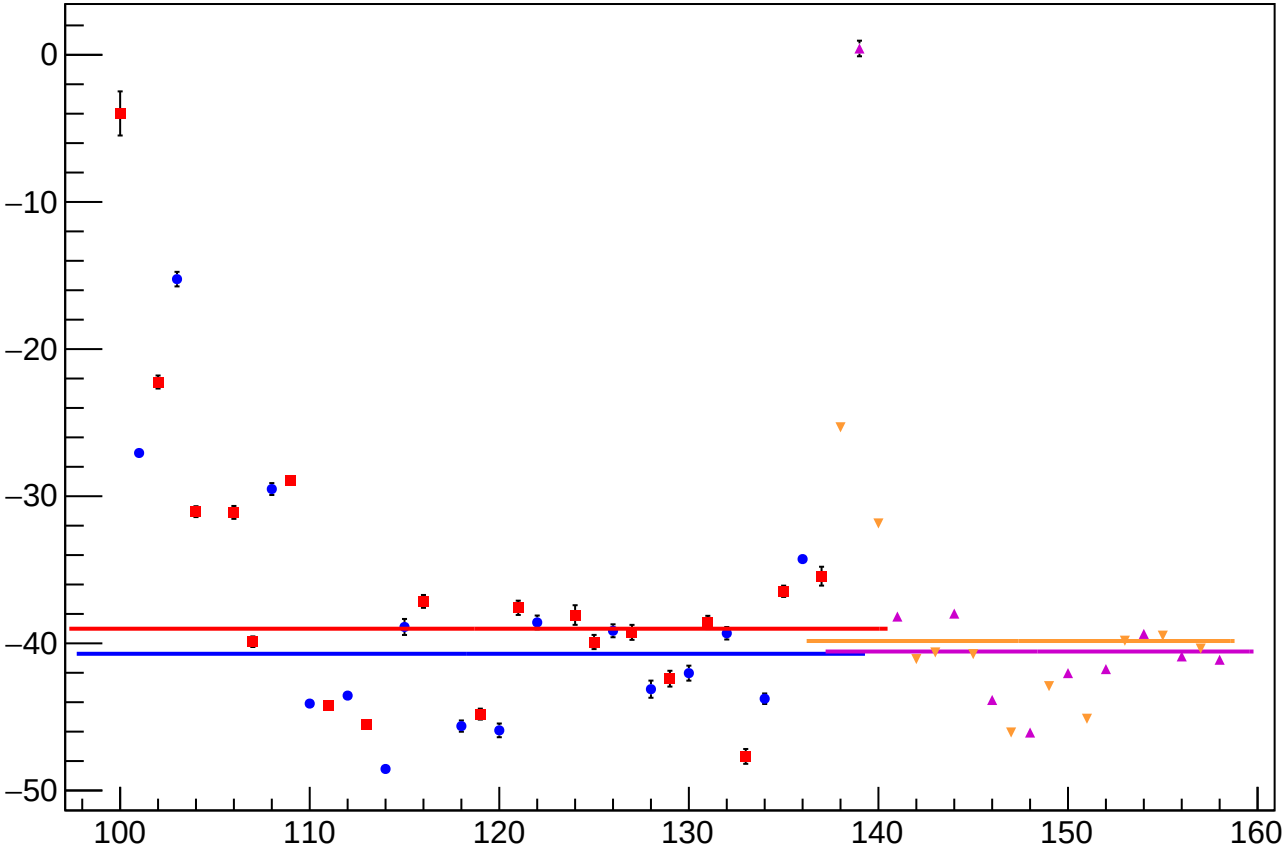
Left In: 7.736+/-0.099 χ^2/NDF:1873.1/9

+ sign 17.416+/-0.048 χ^2/NDF: 45319.2/26

All: 18.504+/-0.032 χ^2/NDF: 75455.3/55

- sign 19.330+/-0.042 χ^2/NDF: 29236.7/28

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -40.709+/-0.076 χ^2/NDF: 7780.4/15

Left Out: -39.840+/-0.064 χ^2/NDF:7313.7/10

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

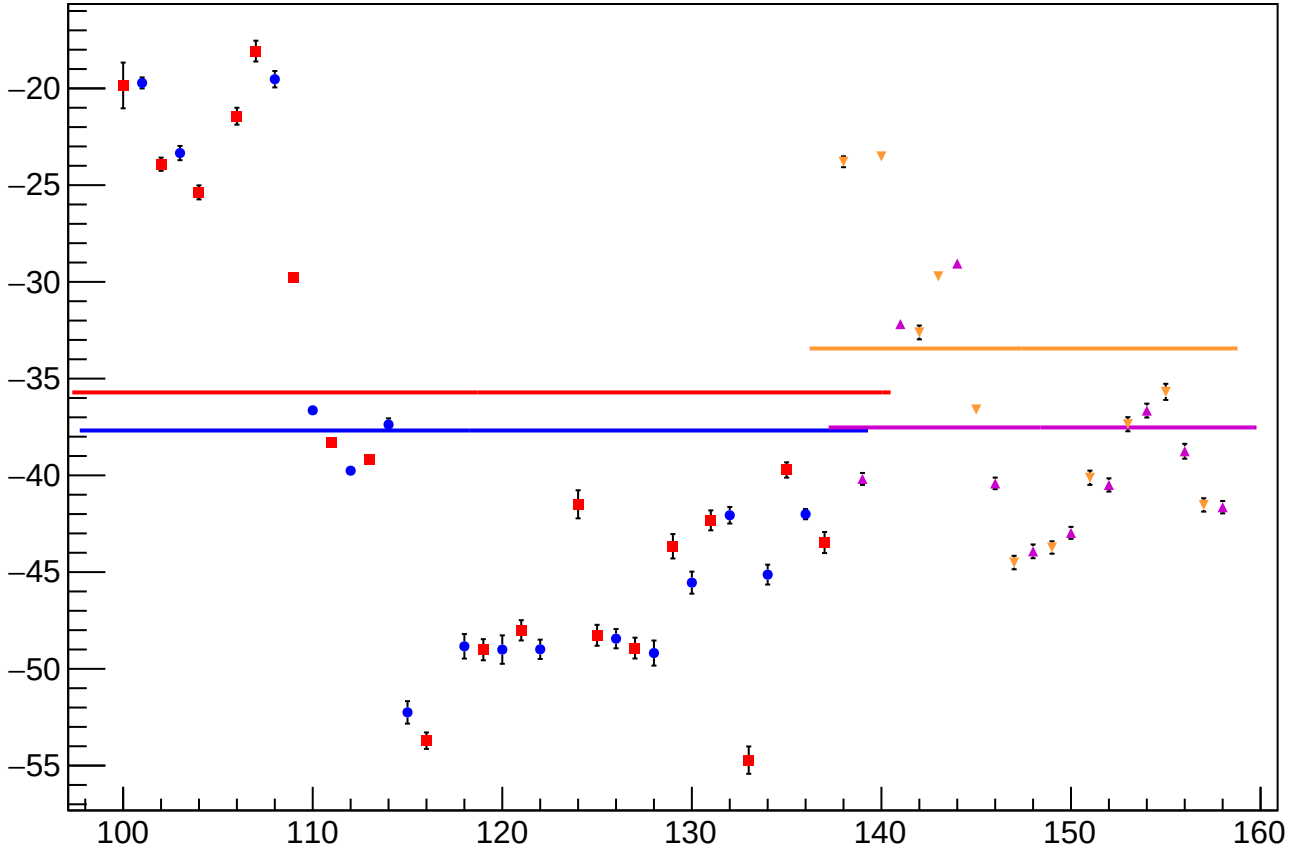
Left In: -40.555+/-0.069 χ^2/NDF:7704.5/9

+ sign -40.201+/-0.049 χ^2/NDF: 15169.5/26

All: -40.004+/-0.035 χ^2/NDF: 33253.4/55

- sign -39.806+/-0.049 χ^2/NDF: 18051.8/28

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

Left Out: -33.442+/-0.091 χ^2/NDF:6650.6/10

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

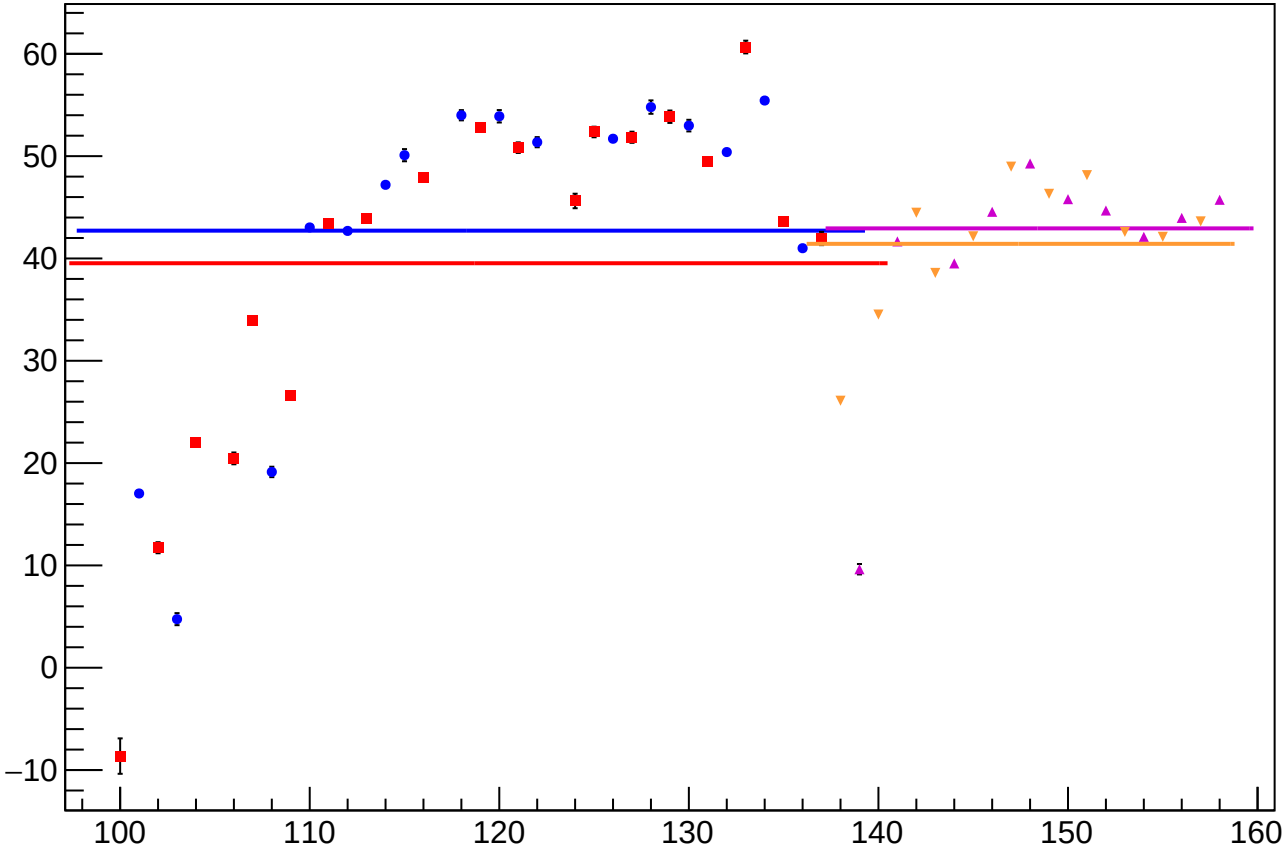
Left In: -37.524+/-0.097 χ^2/NDF:2770.1/9

+ sign -36.001+/-0.057 χ^2/NDF: 18813.7/26

All: -36.143+/-0.039 χ^2/NDF: 35112.0/55

- sign -36.267+/-0.054 χ^2/NDF: 16286.8/28

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 41.428+/-0.078 χ^2/NDF:6033.6/10

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

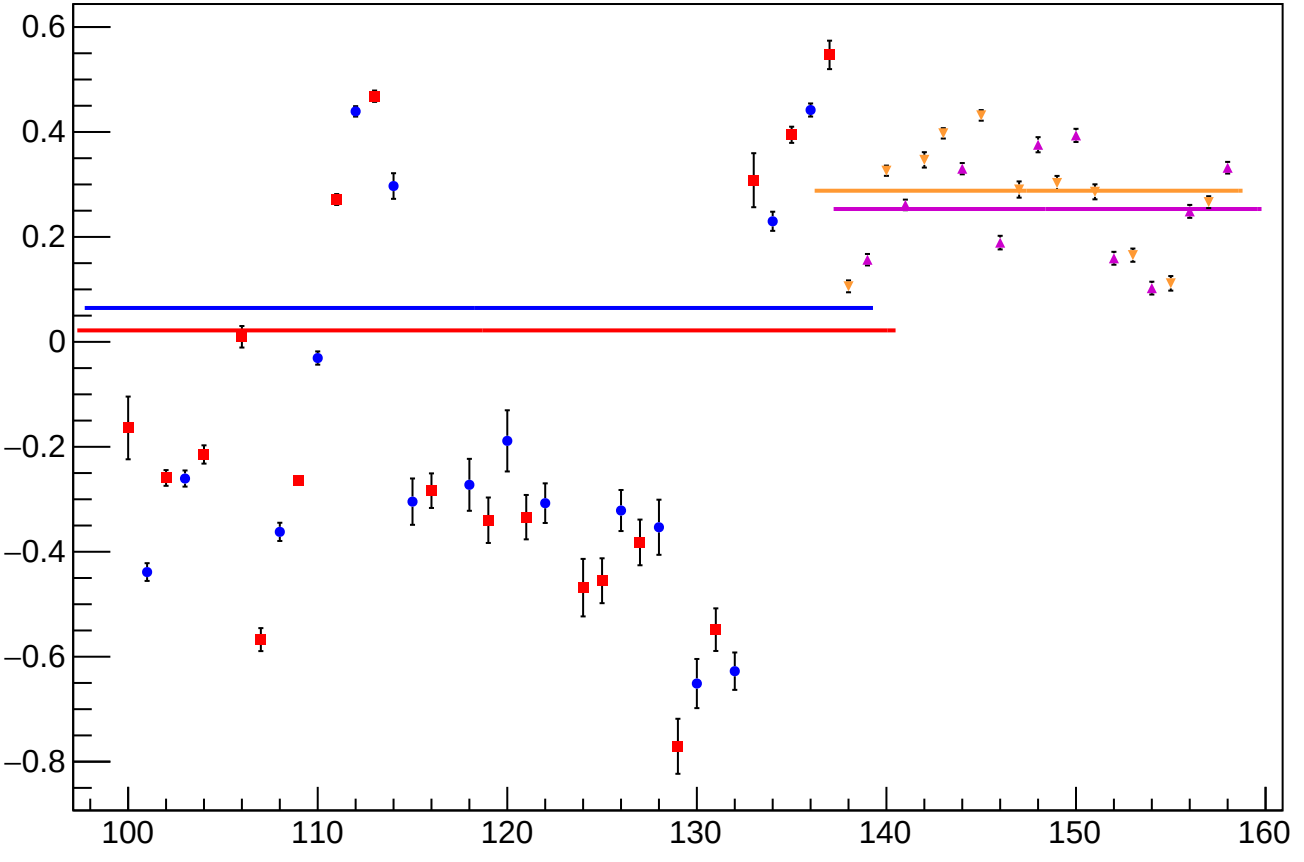
Left In: 42.939+/-0.082 χ^2/NDF:5602.2/9

\+ sign 42.014+/-0.057 χ^2/NDF: 20924.0/26

All: 41.582+/-0.040 χ^2/NDF: 45524.9/55

\- sign 41.163+/-0.056 χ^2/NDF: 24489.0/28

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.288+/-0.004 χ^2/NDF:872.1/10

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

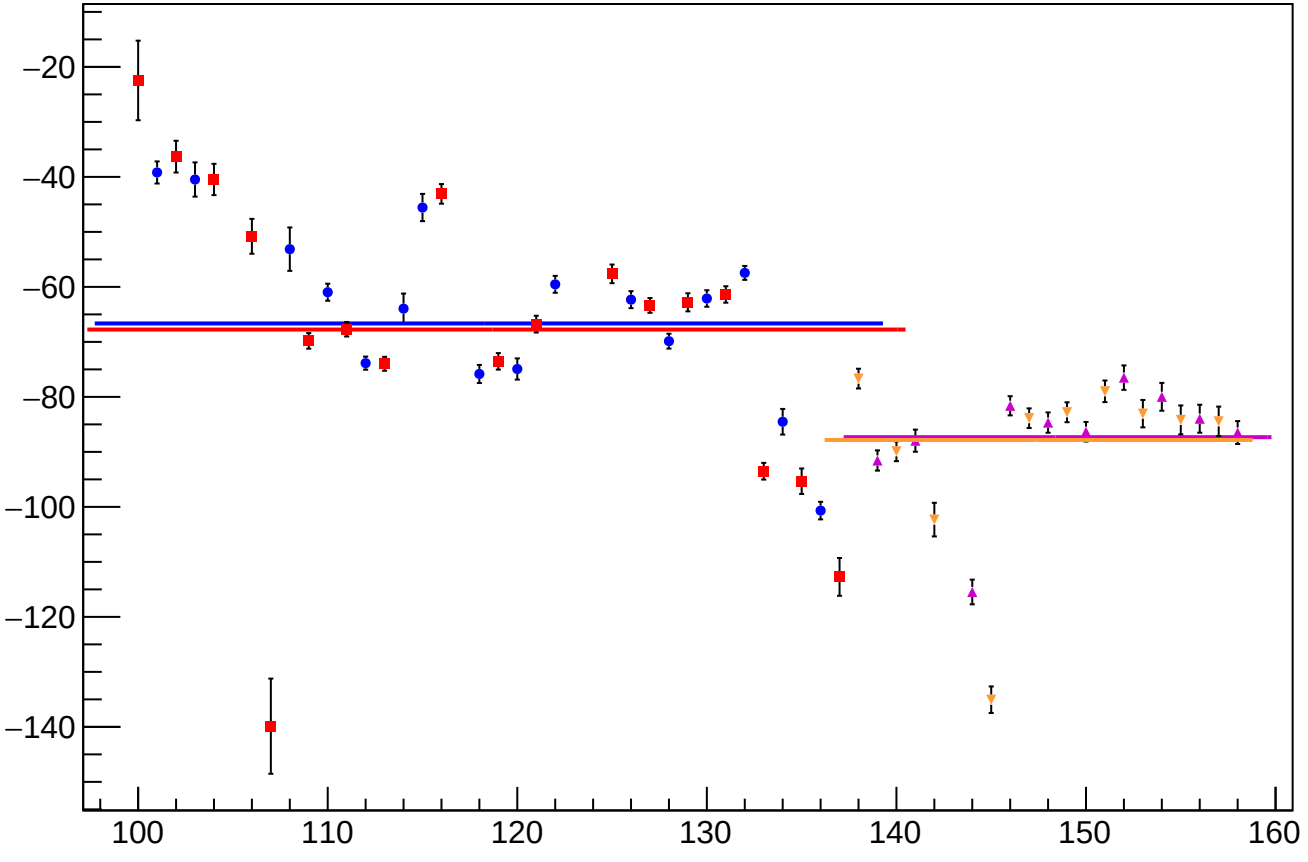
Left In: 0.253+/-0.004 χ^2/NDF:611.2/9

+ sign 0.208+/-0.003 χ^2/NDF: 7737.8/26

All: 0.182+/-0.002 χ^2/NDF: 16533.1/55

- sign 0.156+/-0.003 χ^2/NDF: 8631.0/28

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -66.648+/-0.426 χ^2/NDF: 1052.4/15

Left Out: -87.833+/-0.671 χ^2/NDF:486.3/9

Right Out: -67.755+/-0.419 χ^2/NDF: 1255.4/17

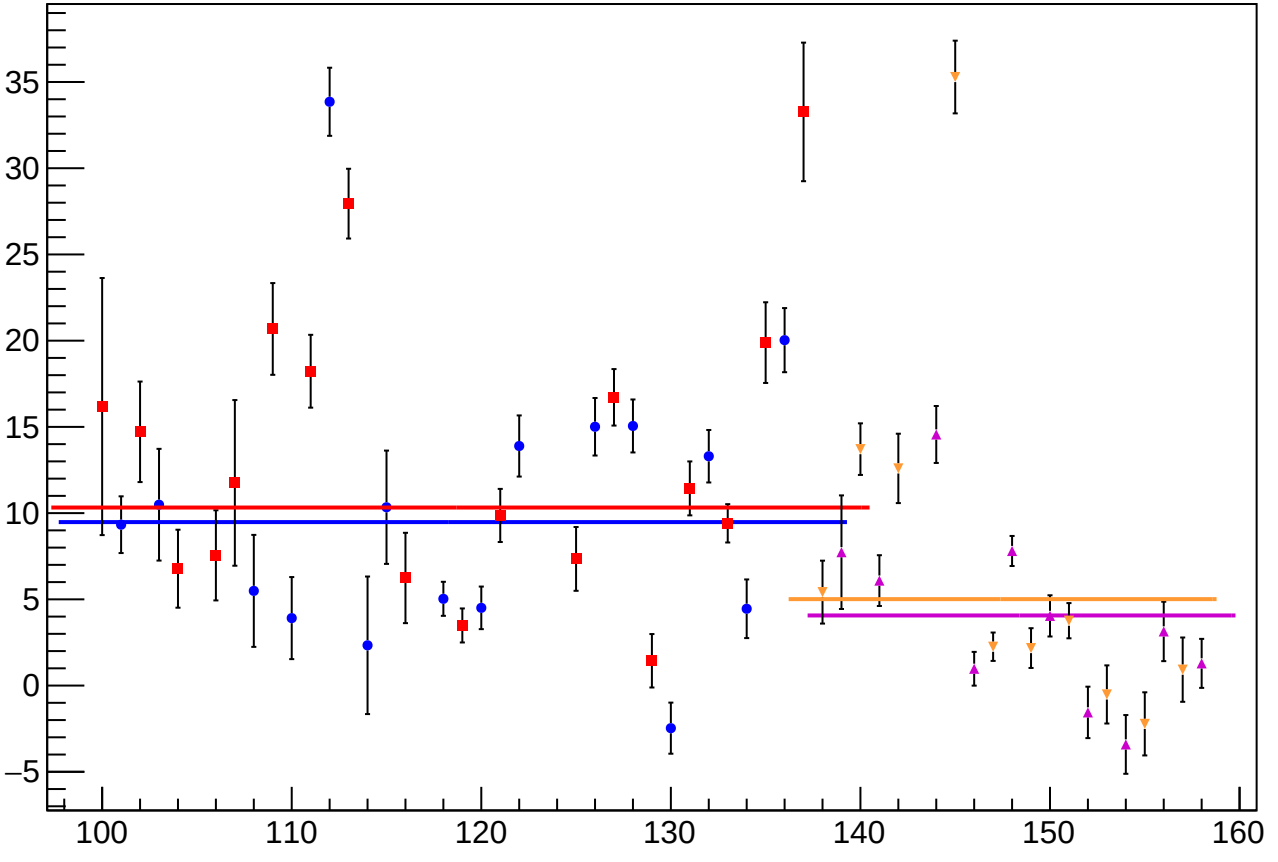
Left In: -87.323+/-0.643 χ^2/NDF:209.9/9

+ sign -72.737+/-0.360 χ^2/NDF: 2249.2/25

All: -73.179+/-0.251 χ^2/NDF: 4367.6/53

- sign -73.600+/-0.351 χ^2/NDF: 2115.4/27

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 5.012+/-0.432 χ^2/NDF:304.3/9

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

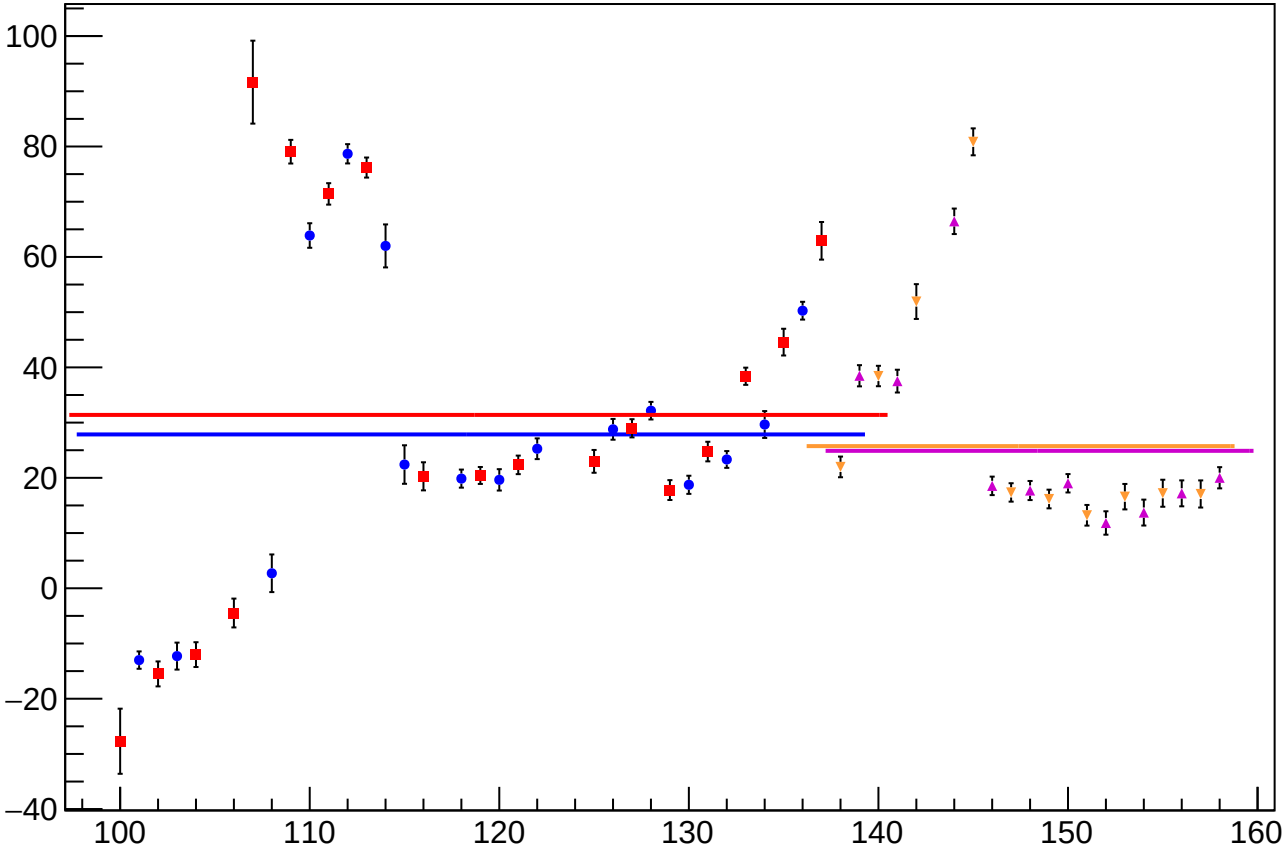
Left In: 4.066+/-0.422 χ^2/NDF:109.5/9

+ sign 7.268+/-0.304 χ^2/NDF: 700.1/25

All: 7.183+/-0.215 χ^2/NDF: 1179.6/53

- sign 7.098+/-0.303 χ^2/NDF: 479.3/27

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 25.743+/-0.651 χ^2/NDF:772.7/9

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

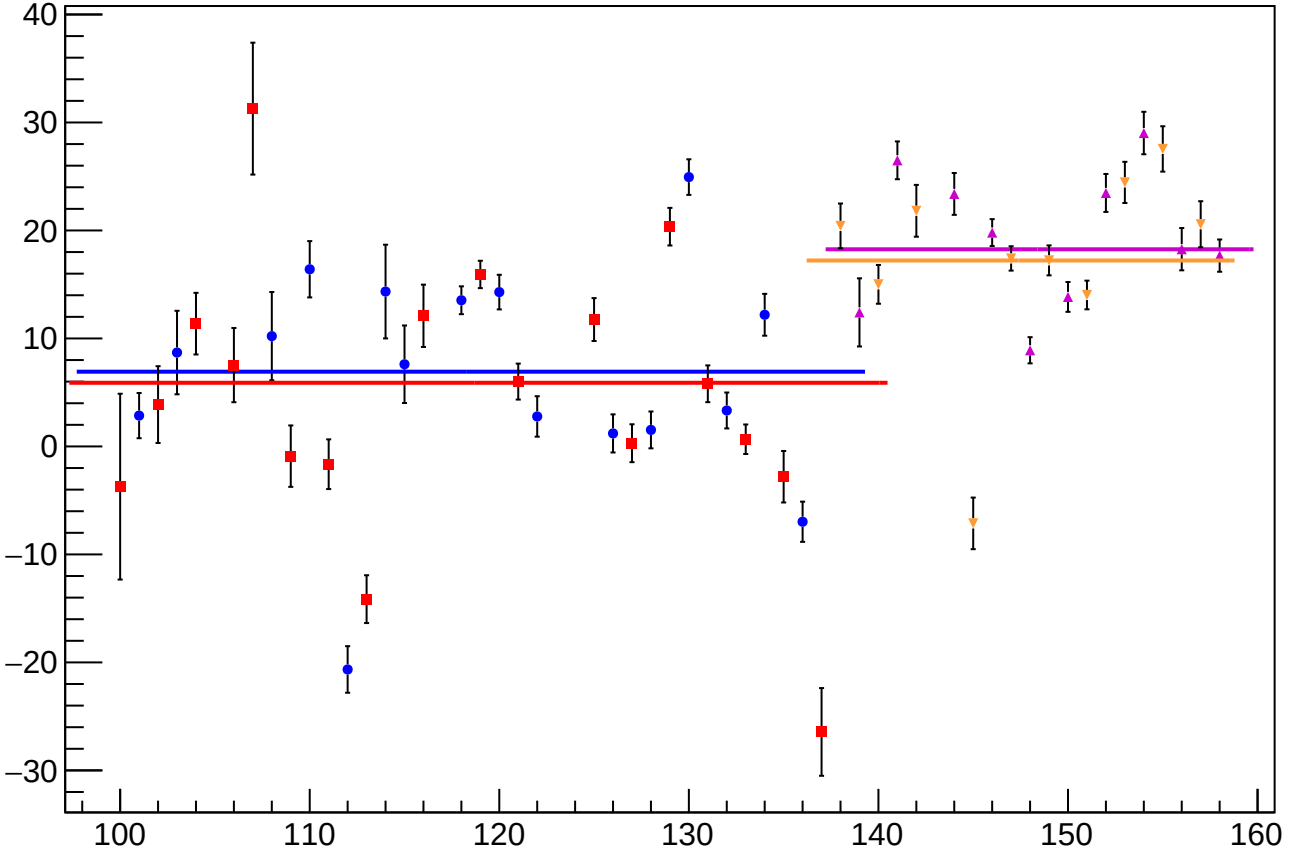
Left In: 24.889+/-0.620 χ^2/NDF:533.7/9

\+ sign 27.109+/-0.388 χ^2/NDF: 3253.5/25

All: 28.018+/-0.272 χ^2/NDF: 6877.5/53

\- sign 28.907+/-0.383 χ^2/NDF: 3613.2/27

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 17.220+/-0.535 χ^2/NDF:158.2/9

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

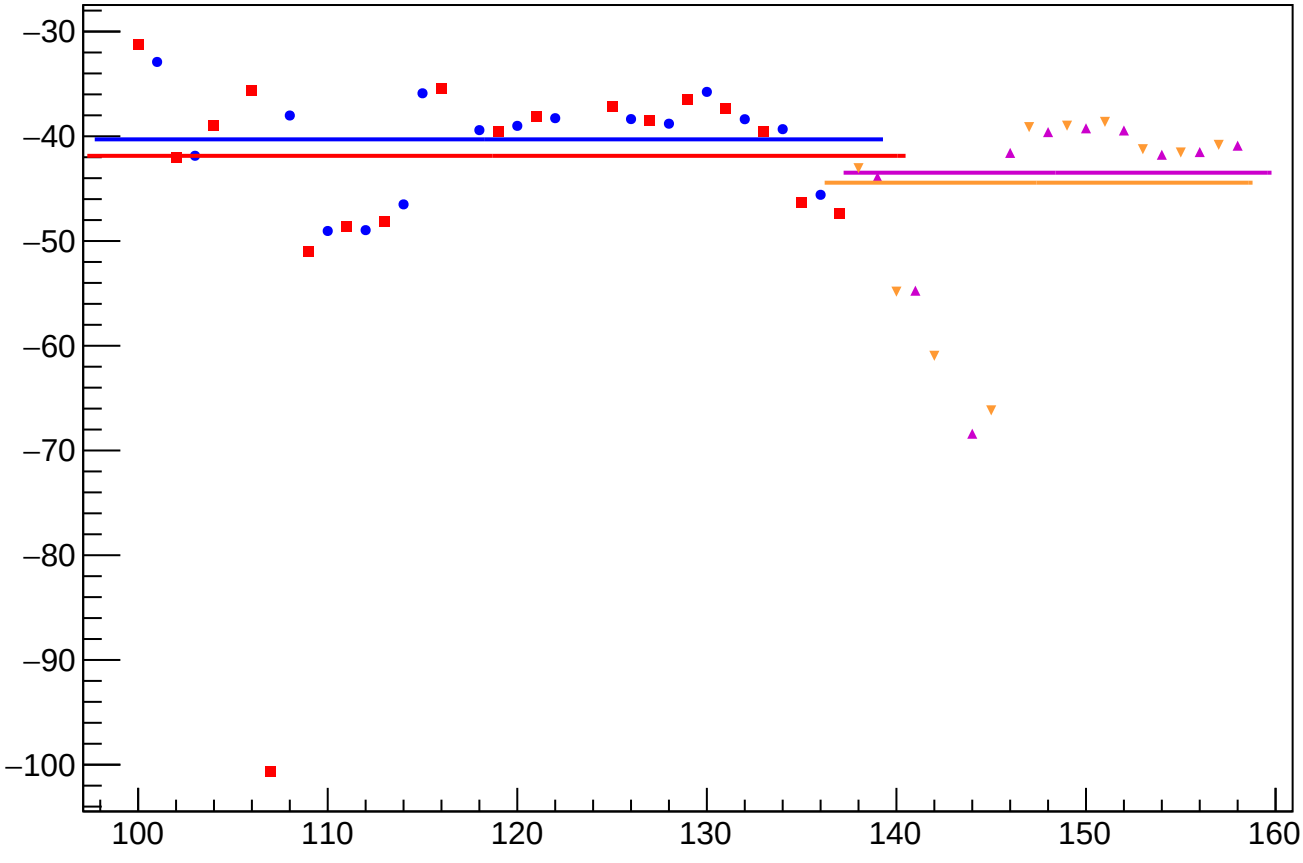
Left In: 18.256+/-0.511 χ^2/NDF:142.8/9

+ sign 11.672+/-0.364 χ^2/NDF: 801.7/25

All: 11.821+/-0.255 χ^2/NDF: 1610.4/53

- sign 11.965+/-0.358 χ^2/NDF: 808.4/27

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -40.293+/-0.031 χ^2/NDF: 20663.5/15

Left Out: -44.430+/-0.026 χ^2/NDF:105724.0/9

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

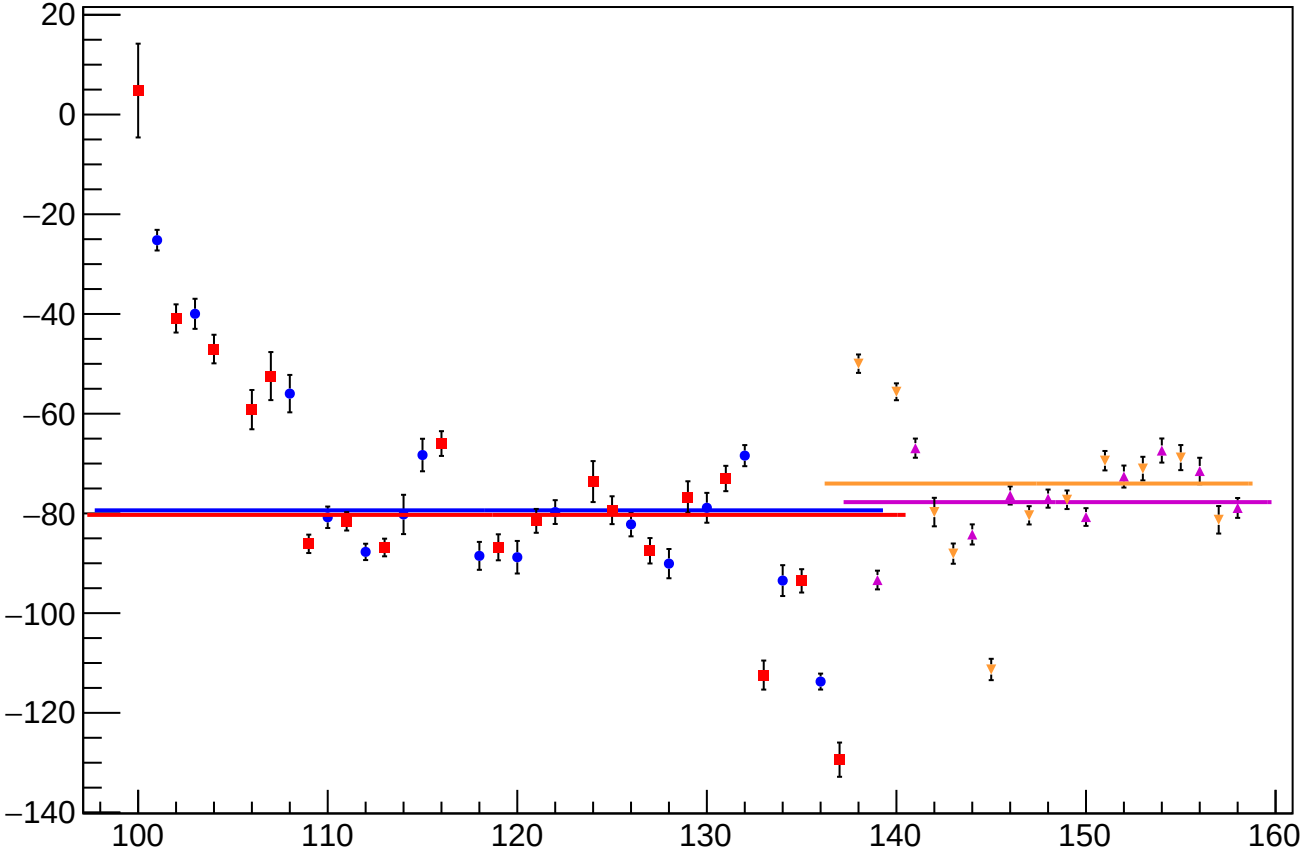
Left In: -43.477+/-0.024 χ^2/NDF:88678.3/9

+ sign -42.777+/-0.020 χ^2/NDF: 136810.2/25

All: -42.848+/-0.014 χ^2/NDF: 285882.0/53

- sign -42.913+/-0.019 χ^2/NDF: 149047.3/27

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -79.382+/-0.611 χ^2/NDF: 1475.9/15

Left Out: -74.010+/-0.627 χ^2/NDF:676.9/10

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

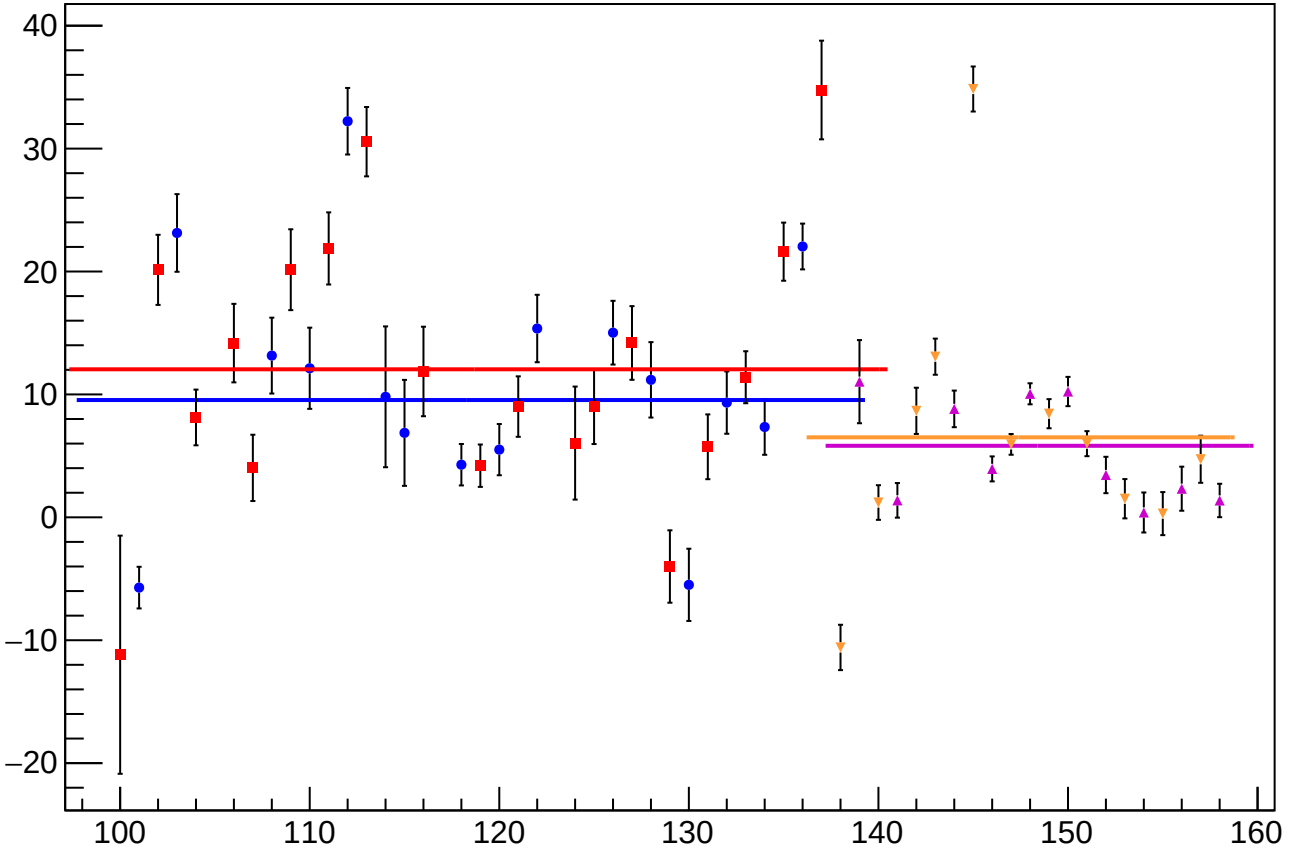
Left In: -77.736+/-0.634 χ^2/NDF:144.2/9

+ sign -76.766+/-0.438 χ^2/NDF: 2190.4/26

All: -77.922+/-0.309 χ^2/NDF: 3271.7/55

- sign -79.076+/-0.437 χ^2/NDF: 1067.4/28

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 9.543+/-0.621 χ^2/NDF: 267.1/15

Left Out: 6.509+/-0.411 χ^2/NDF:387.1/10

Right Out: 12.044+/-0.637 χ^2/NDF: 195.8/18

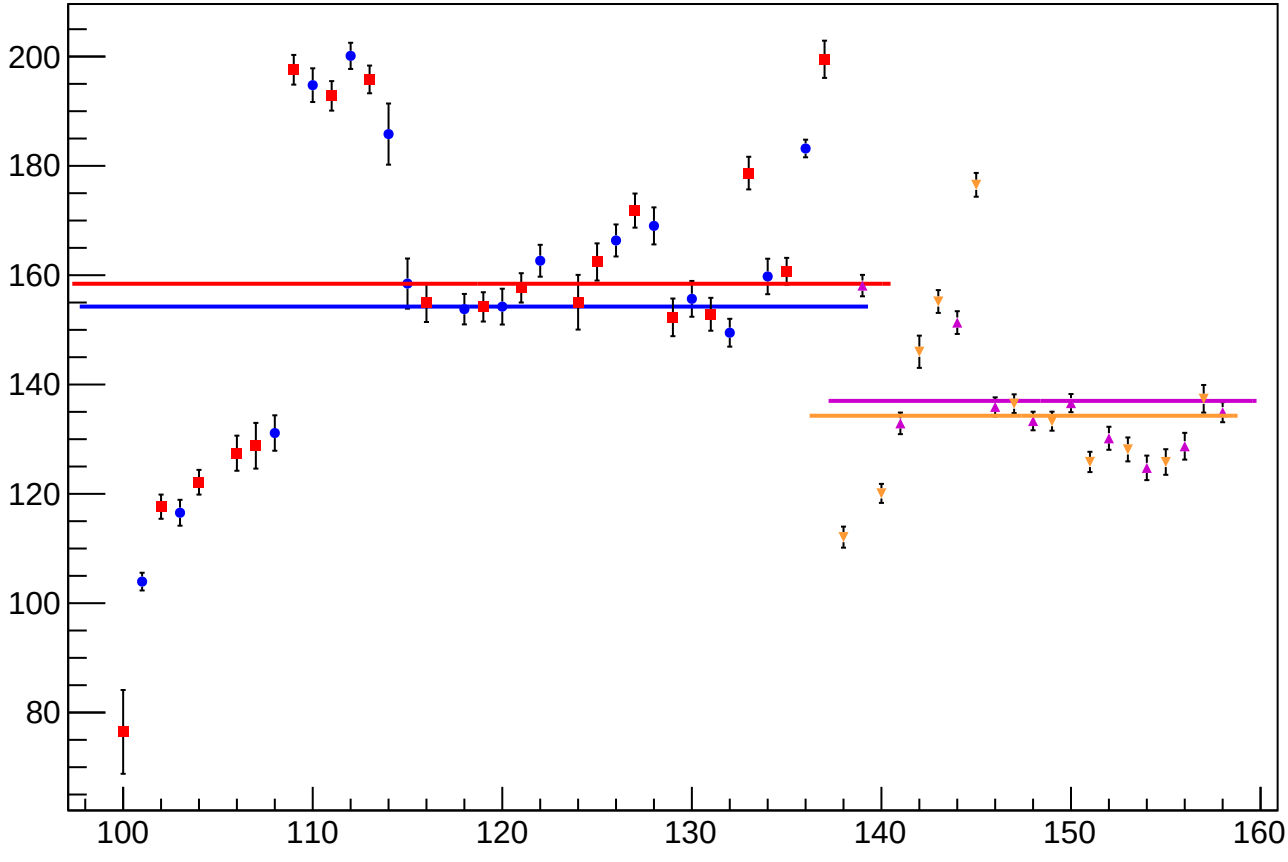
Left In: 5.820+/-0.416 χ^2/NDF:86.2/9

+ sign 7.433+/-0.343 χ^2/NDF: 670.8/26

All: 7.557+/-0.244 χ^2/NDF: 1019.9/55

- sign 7.684+/-0.349 χ^2/NDF: 348.9/28

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 134.293+/-0.613 χ^2/NDF:737.0/10

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

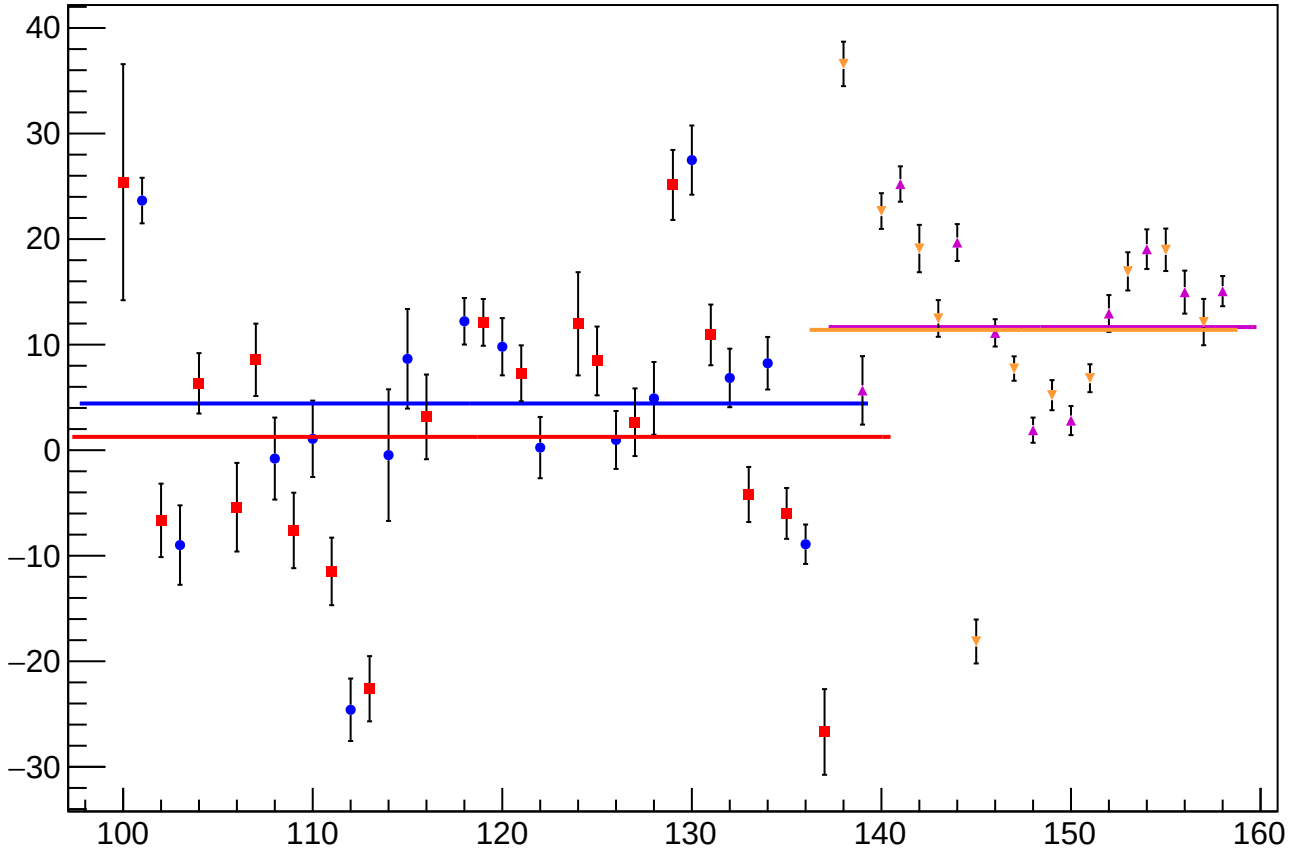
Left In: 137.006+/-0.611 χ^2/NDF:226.0/9

+ sign 143.508+/-0.450 χ^2/NDF: 3441.0/26

All: 145.006+/-0.320 χ^2/NDF: 5900.6/55

- sign 146.543+/-0.455 χ^2/NDF: 2437.1/28

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 11.399+/-0.506 χ^2/NDF:465.1/10

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

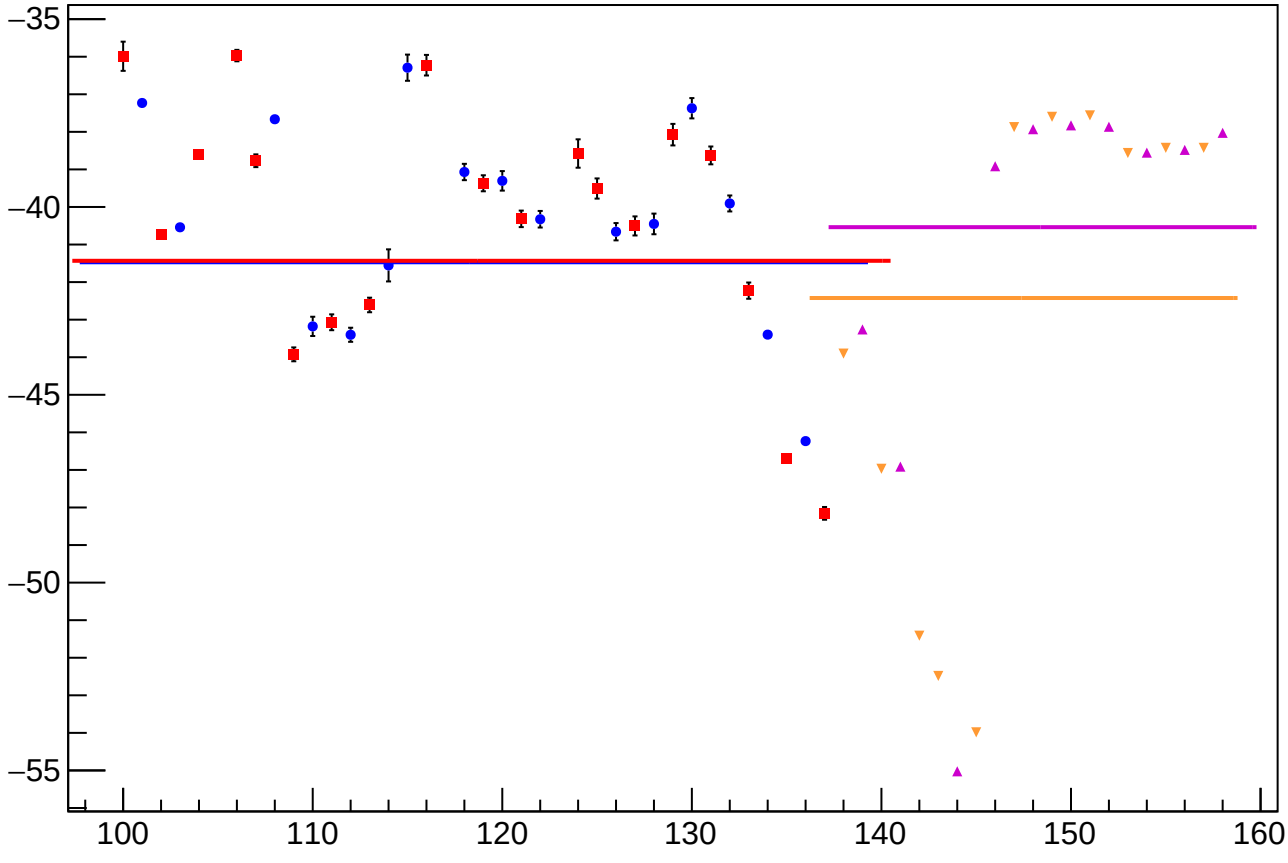
Left In: 11.664+/-0.503 χ^2/NDF:223.0/9

\+ sign 9.067+/-0.413 χ^2/NDF: 844.7/26

All: 8.697+/-0.293 χ^2/NDF: 1471.5/55

\- sign 8.323+/-0.415 χ^2/NDF: 625.2/28

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -42.423+/-0.024 χ^2/NDF:60669.7/10

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

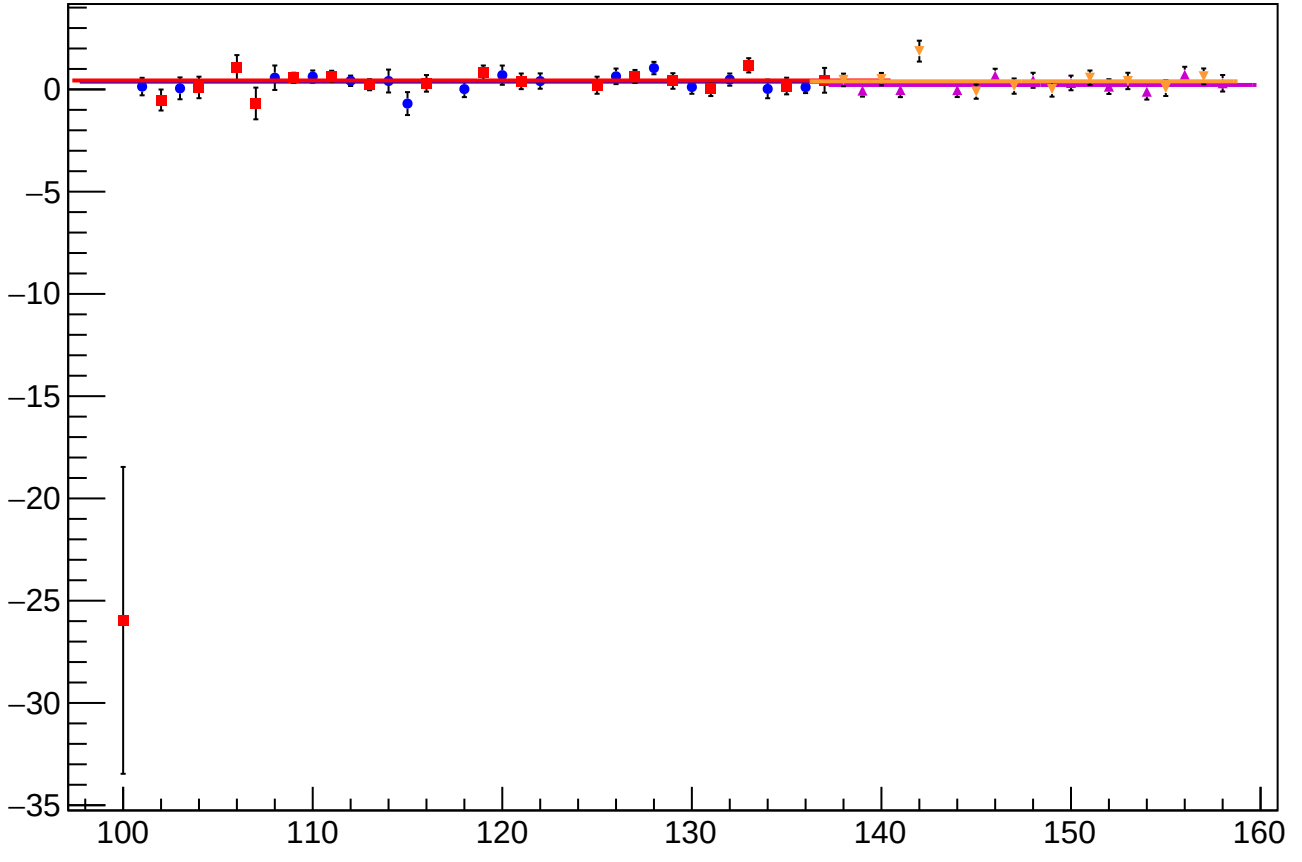
Left In: -40.537+/-0.023 χ^2/NDF:39625.5/9

+ sign -42.149+/-0.020 χ^2/NDF: 69025.6/26

All: -41.446+/-0.014 χ^2/NDF: 119578.7/55

- sign -40.769+/-0.020 χ^2/NDF: 48231.8/28

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.396+/-0.115 χ^2/NDF:13.3/9

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

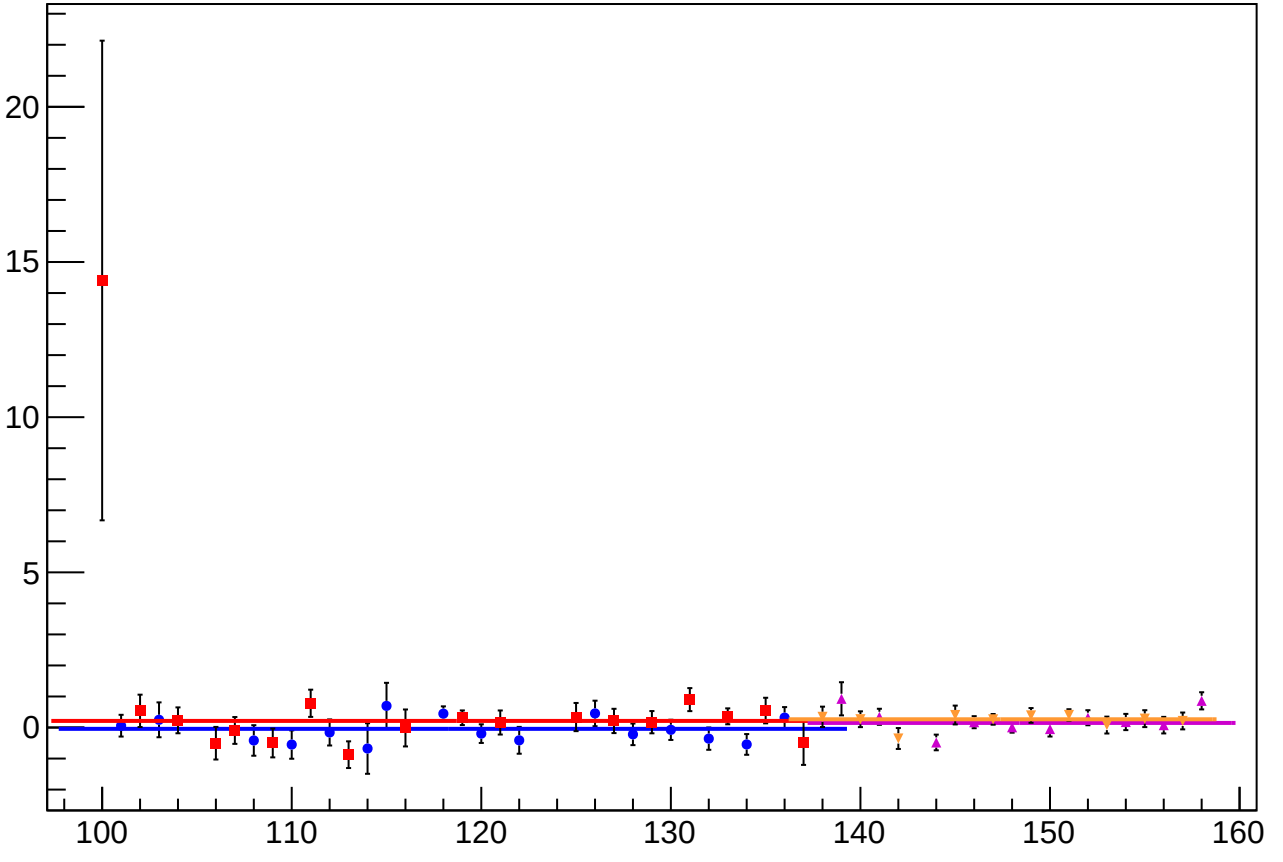
Left In: 0.217+/-0.113 χ^2/NDF:6.5/9

+ sign 0.387+/-0.072 χ^2/NDF: 27.3/25

All: 0.369+/-0.050 χ^2/NDF: 65.3/53

- sign 0.351+/-0.070 χ^2/NDF: 37.8/27

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.266+/-0.078 χ^2/NDF:5.0/9

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

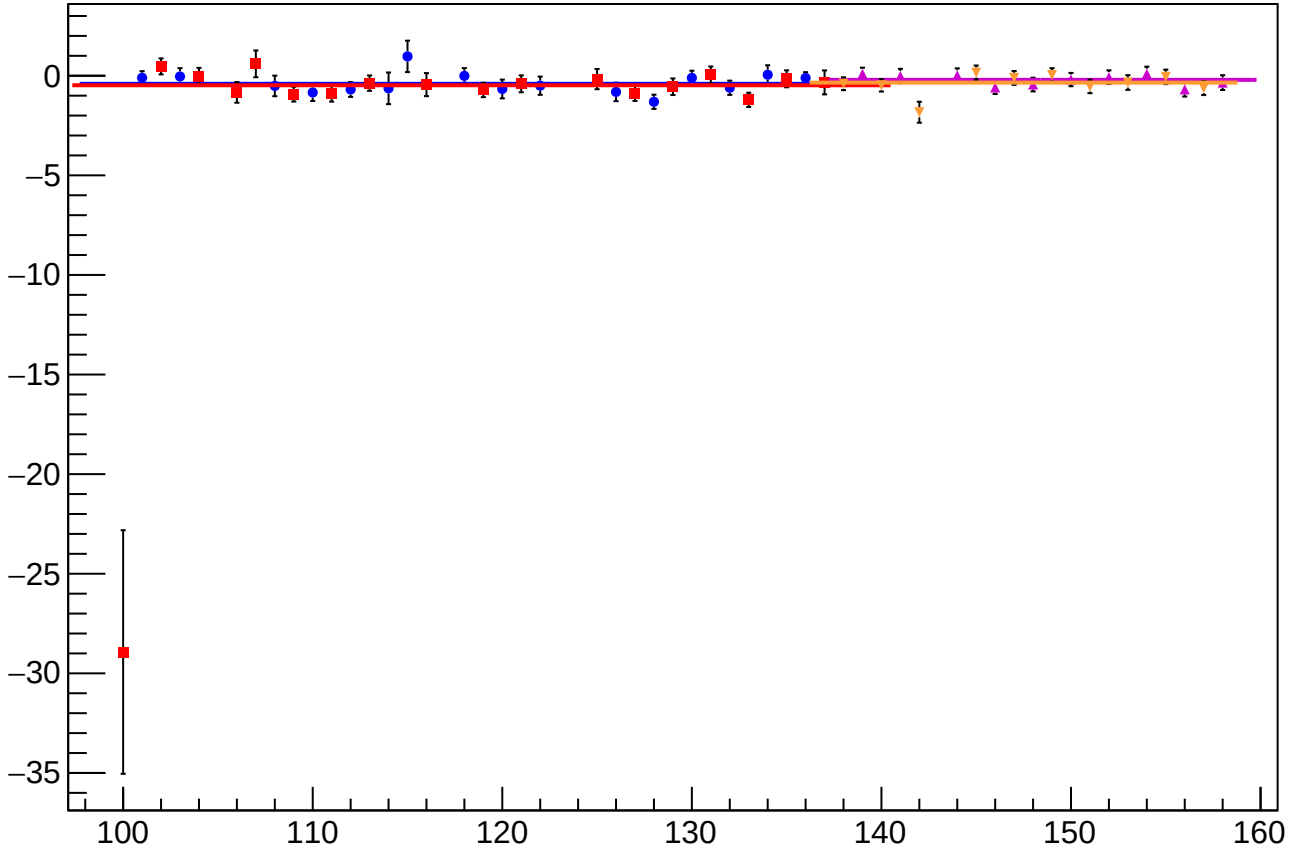
Left In: 0.148+/-0.077 χ^2/NDF:17.5/9

+ sign 0.141+/-0.060 χ^2/NDF: 26.4/25

All: 0.157+/-0.042 χ^2/NDF: 66.7/53

- sign 0.174+/-0.060 χ^2/NDF: 40.2/27

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.344+/-0.112 χ^2/NDF:13.3/9

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

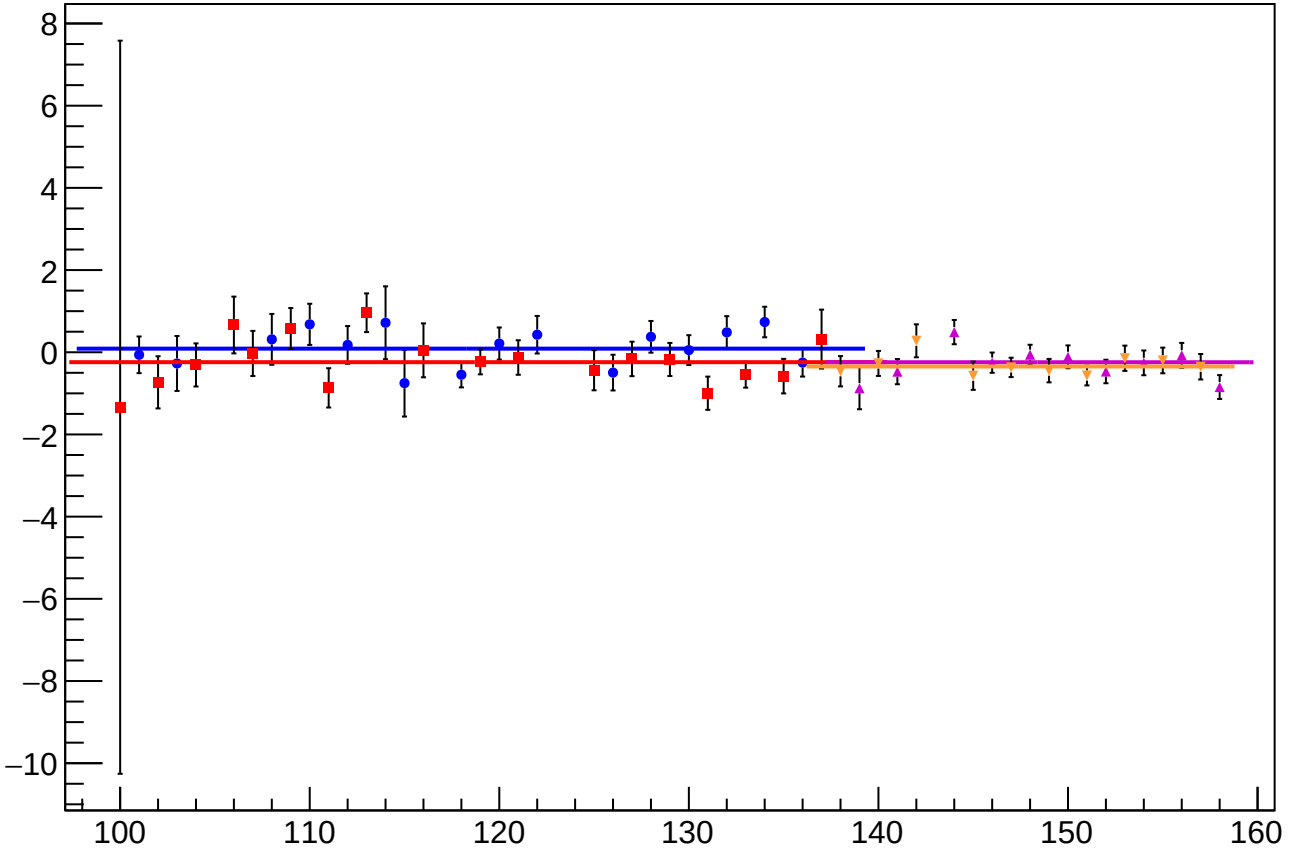
Left In: -0.207+/-0.109 χ^2/NDF:6.3/9

+ sign -0.378+/-0.076 χ^2/NDF: 31.2/25

All: -0.363+/-0.053 χ^2/NDF: 83.1/53

- sign -0.348+/-0.075 χ^2/NDF: 51.8/27

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.346+/-0.095 χ^2/NDF:4.6/9

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

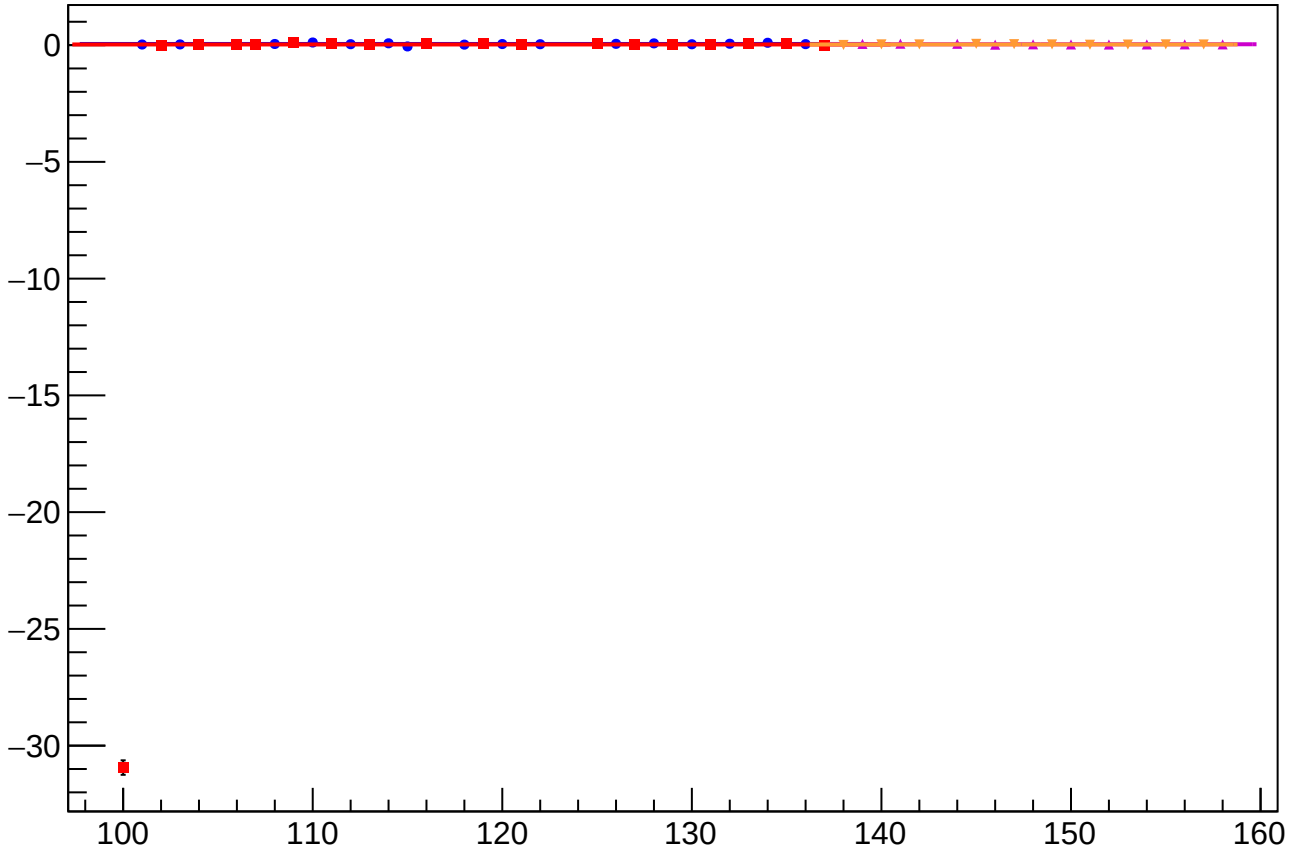
Left In: -0.243+/-0.092 χ^2/NDF:14.3/9

+ sign -0.158+/-0.071 χ^2/NDF: 29.6/25

All: -0.201+/-0.050 χ^2/NDF: 64.2/53

- sign -0.242+/-0.070 χ^2/NDF: 33.9/27

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.028+/-0.004 χ^2/NDF:7.9/9

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

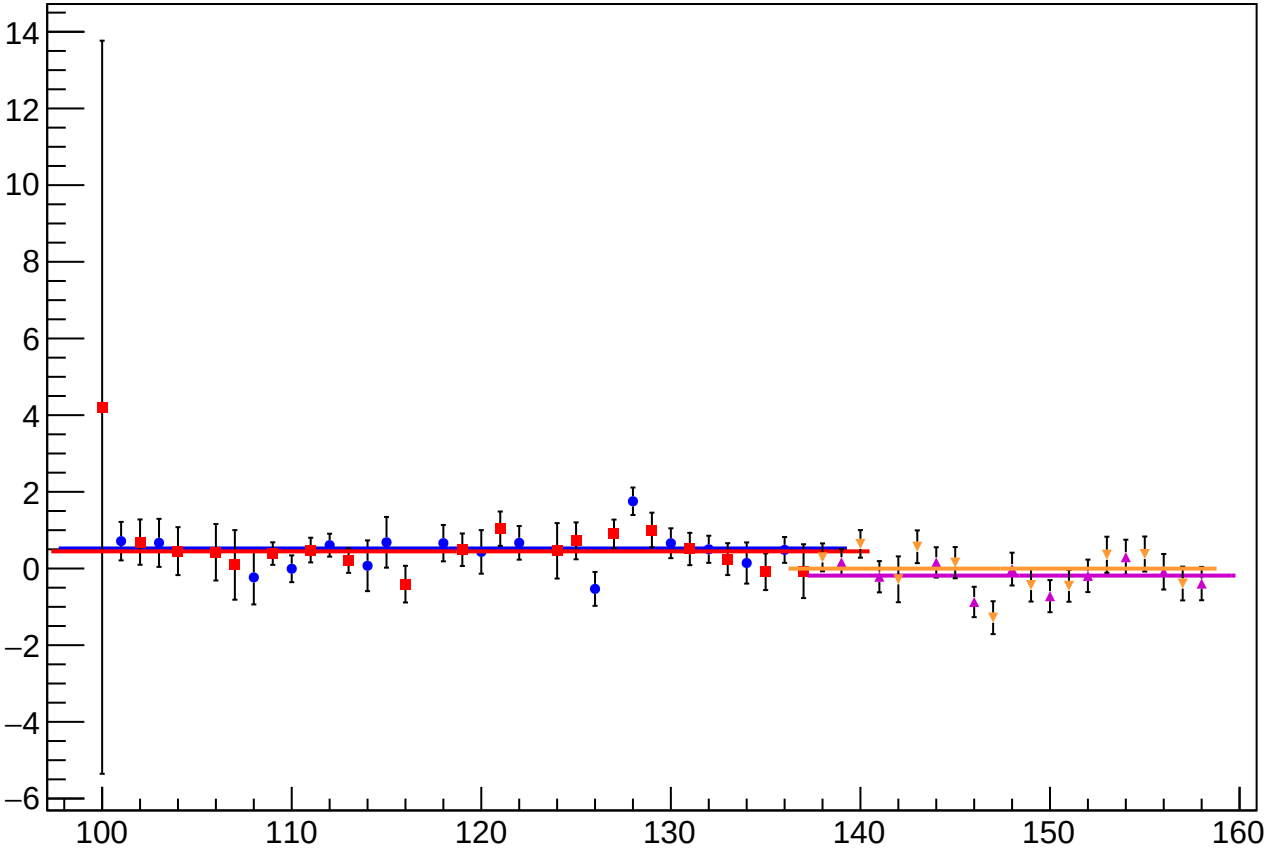
Left In: 0.037+/-0.004 χ^2/NDF:9.9/9

+ sign 0.034+/-0.004 χ^2/NDF: 34.7/25

All: 0.034+/-0.002 χ^2/NDF: 10066.8/53

- sign 0.034+/-0.003 χ^2/NDF: 10032.1/27

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.522+/-0.108 χ^2/NDF: 22.6/15

Left Out: -0.003+/-0.128 χ^2/NDF:19.2/10

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

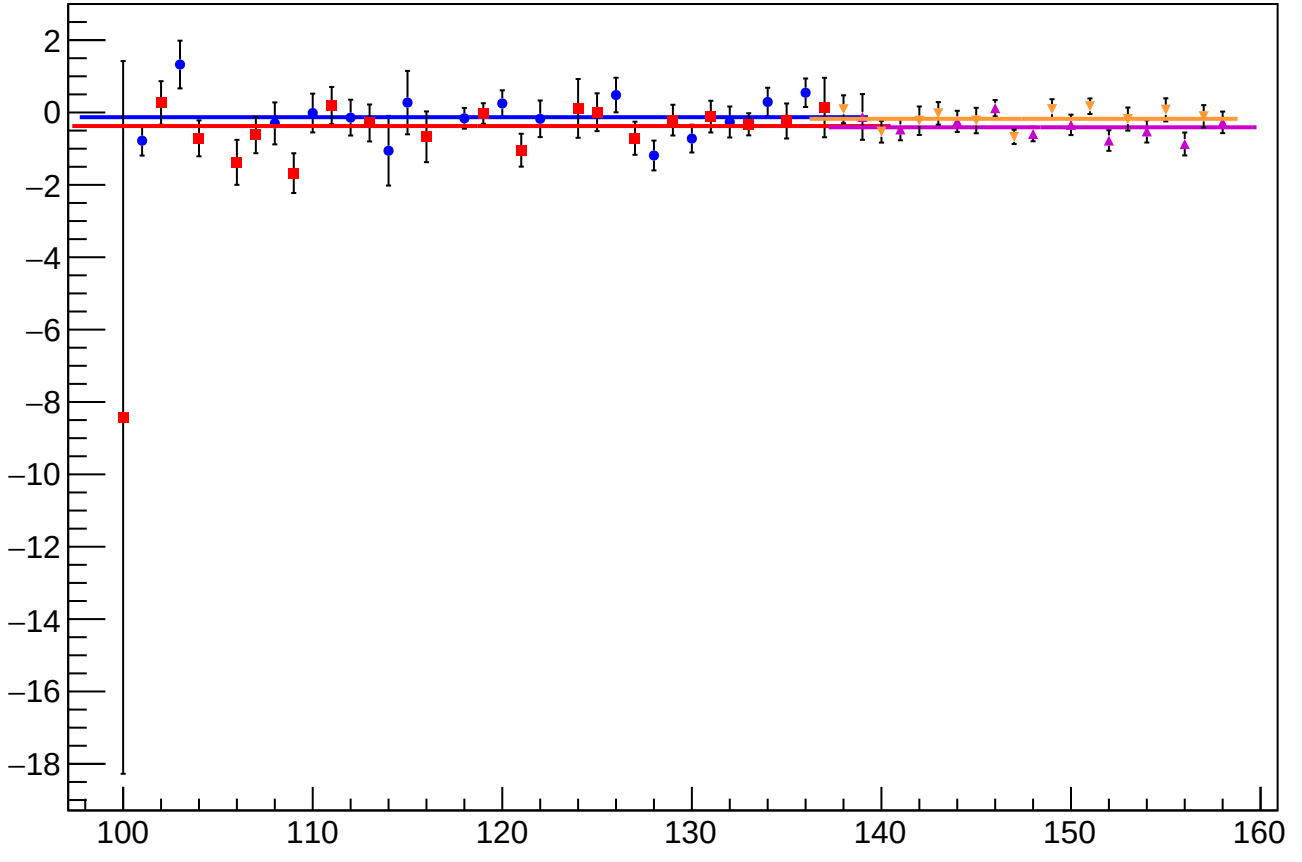
Left In: -0.185+/-0.131 χ^2/NDF:8.0/9

+ sign 0.304+/-0.083 χ^2/NDF: 51.5/26

All: 0.251+/-0.058 χ^2/NDF: 85.9/55

- sign 0.199+/-0.082 χ^2/NDF: 33.6/28

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

Left Out: -0.175+/-0.087 χ^2/NDF:12.7/10

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

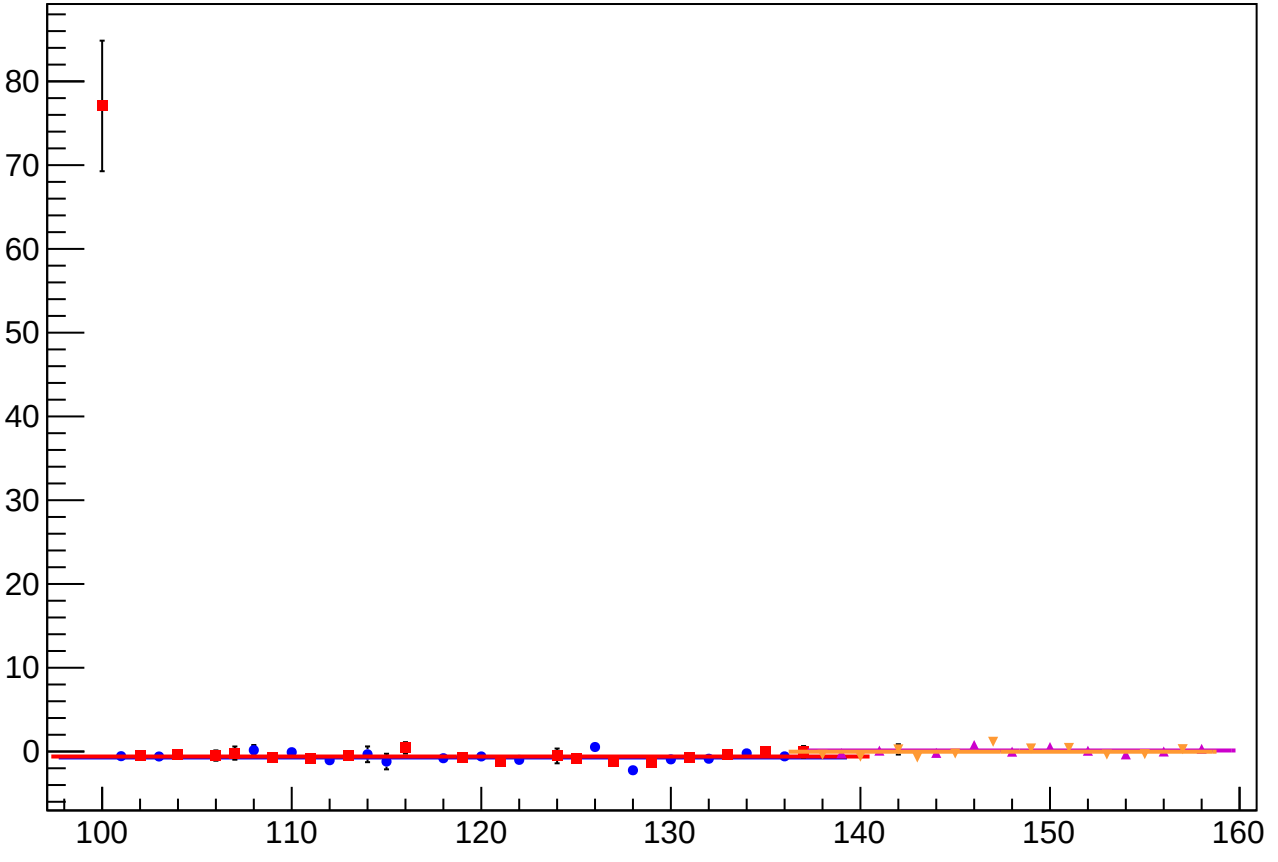
Left In: -0.409+/-0.089 χ^2/NDF:11.1/9

+ sign -0.158+/-0.068 χ^2/NDF: 37.4/26

All: -0.275+/-0.049 χ^2/NDF: 72.7/55

- sign -0.396+/-0.070 χ^2/NDF: 29.4/28

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: -0.024+/-0.125 χ^2/NDF:19.1/10

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

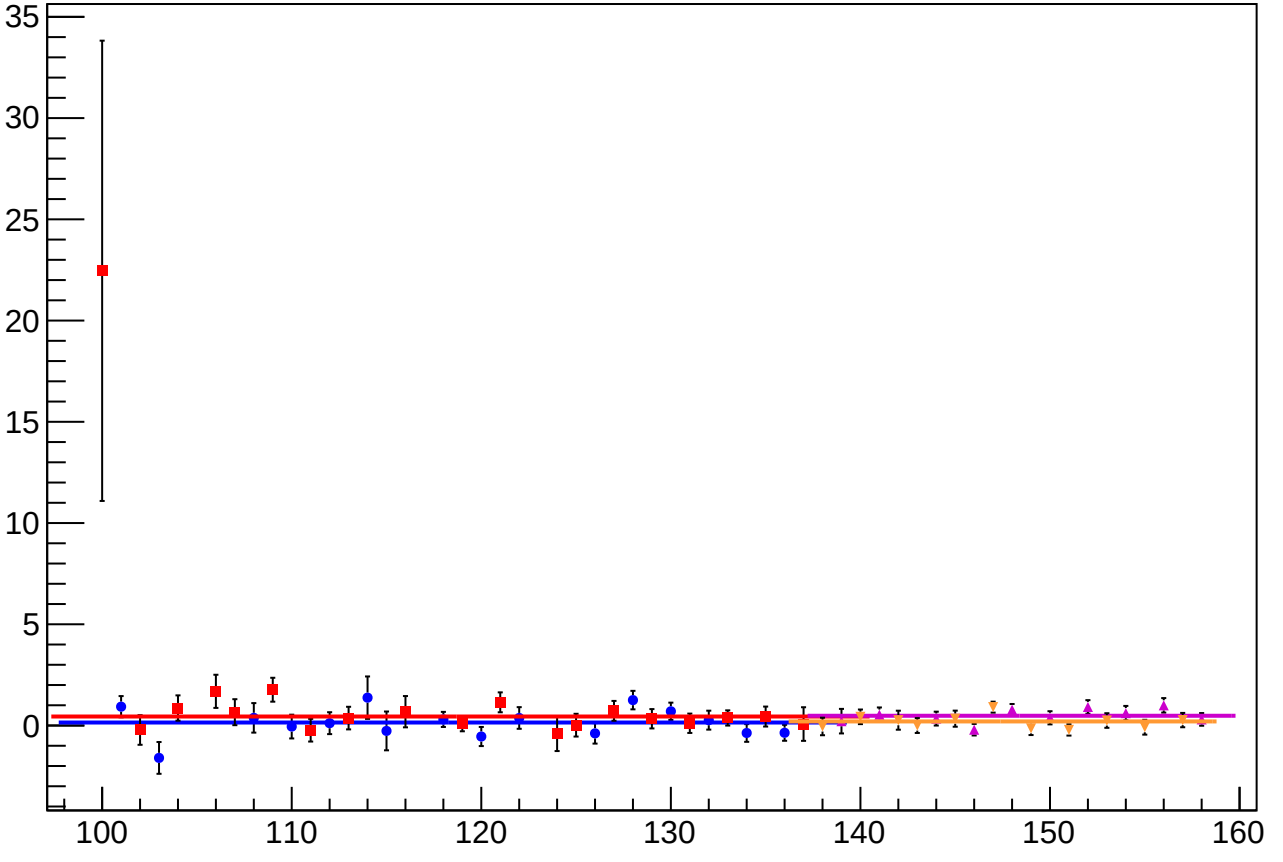
Left In: 0.123+/-0.127 χ^2/NDF:6.9/9

+ sign -0.379+/-0.087 χ^2/NDF: 59.6/26

All: -0.315+/-0.062 χ^2/NDF: 195.4/55

- sign -0.251+/-0.088 χ^2/NDF: 134.7/28

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.201+/-0.105 χ^2/NDF:11.9/10

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

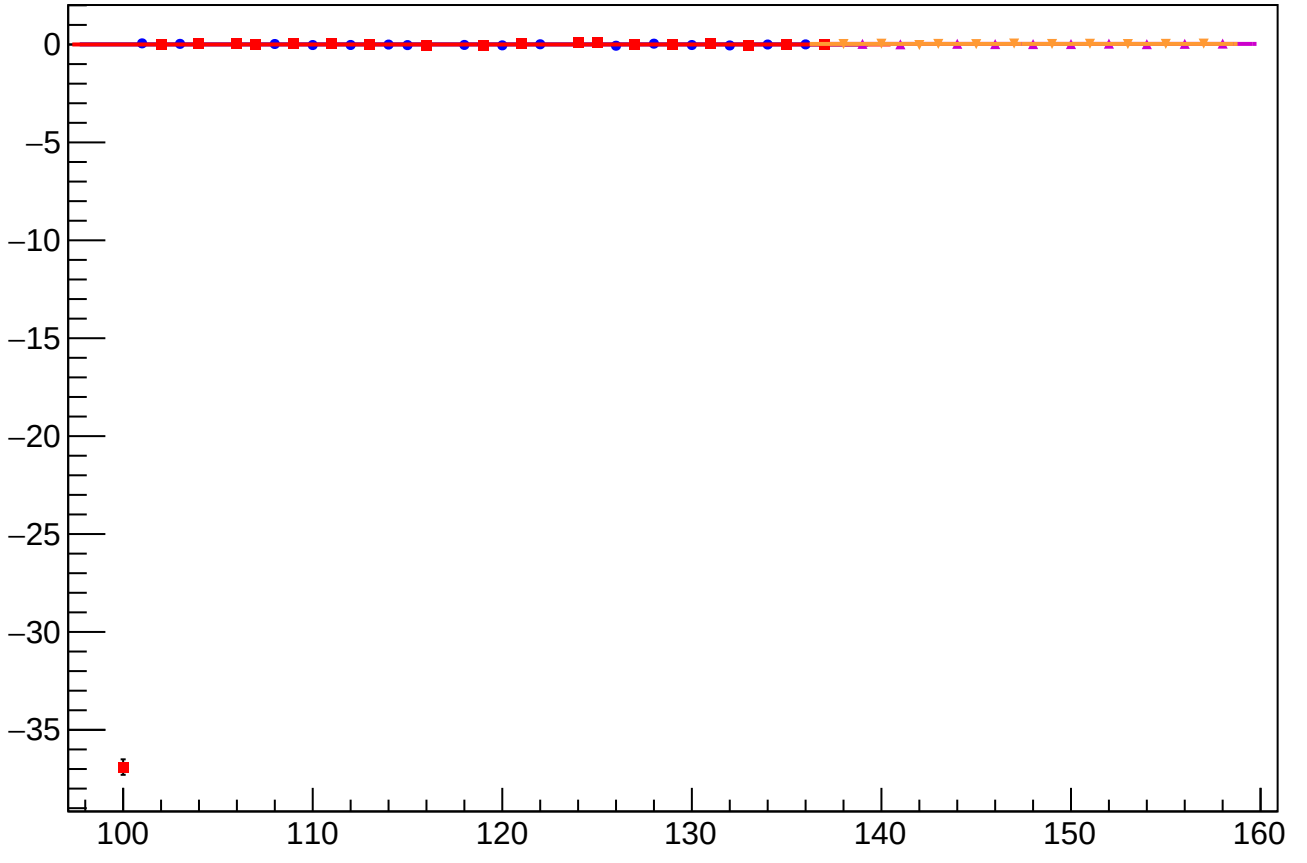
Left In: 0.482+/-0.106 χ^2/NDF:11.6/9

+ sign 0.180+/-0.081 χ^2/NDF: 35.3/26

All: 0.322+/-0.058 χ^2/NDF: 72.9/55

- sign 0.467+/-0.082 χ^2/NDF: 31.4/28

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.030+/-0.005 χ^2/NDF:9.0/10

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

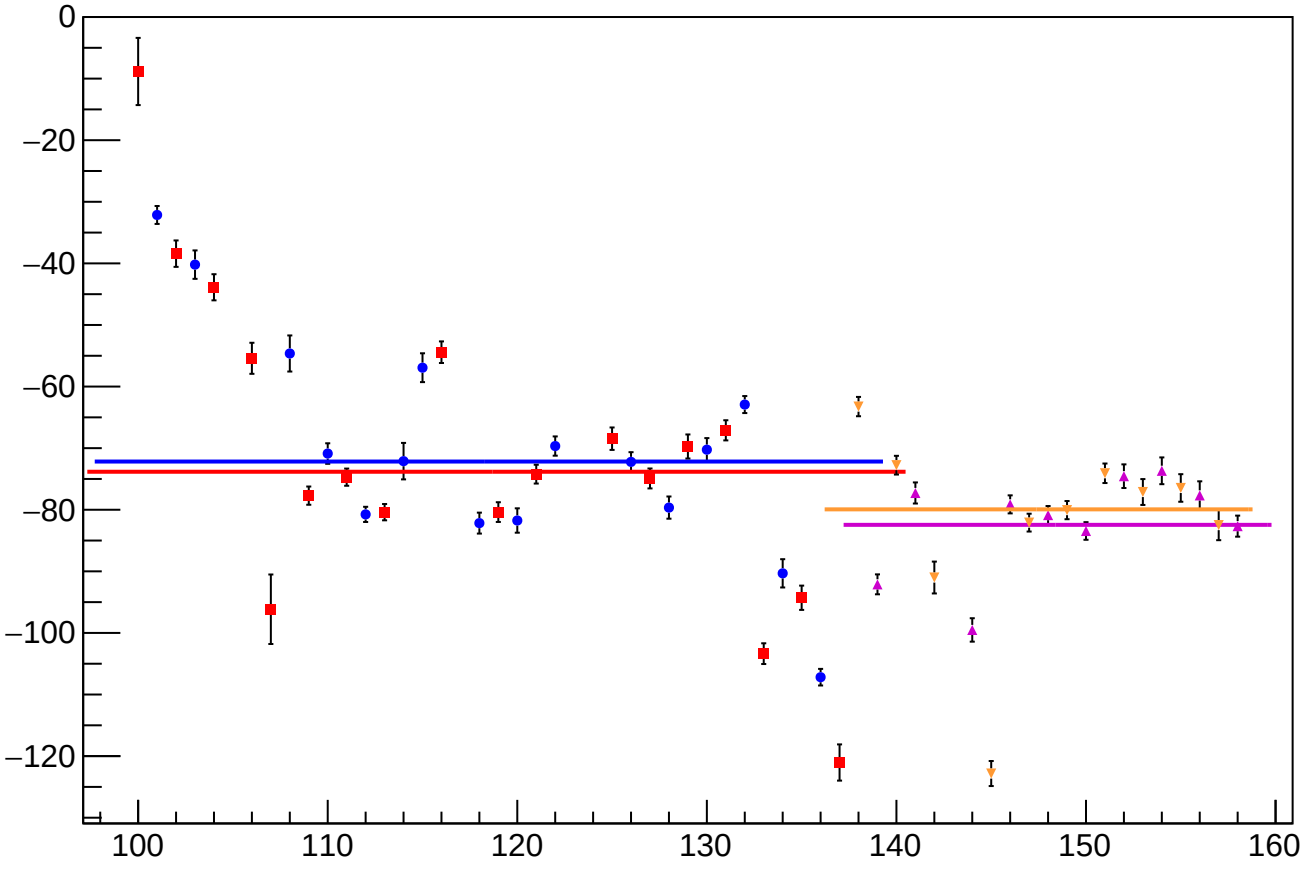
Left In: 0.031+/-0.005 χ^2/NDF:5.0/9

\+ sign 0.023+/-0.004 χ^2/NDF: 33.6/26

All: 0.023+/-0.003 χ^2/NDF: 8802.4/55

\- sign 0.023+/-0.004 χ^2/NDF: 8768.9/28

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -79.937+/-0.563 χ^2/NDF:620.2/9

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

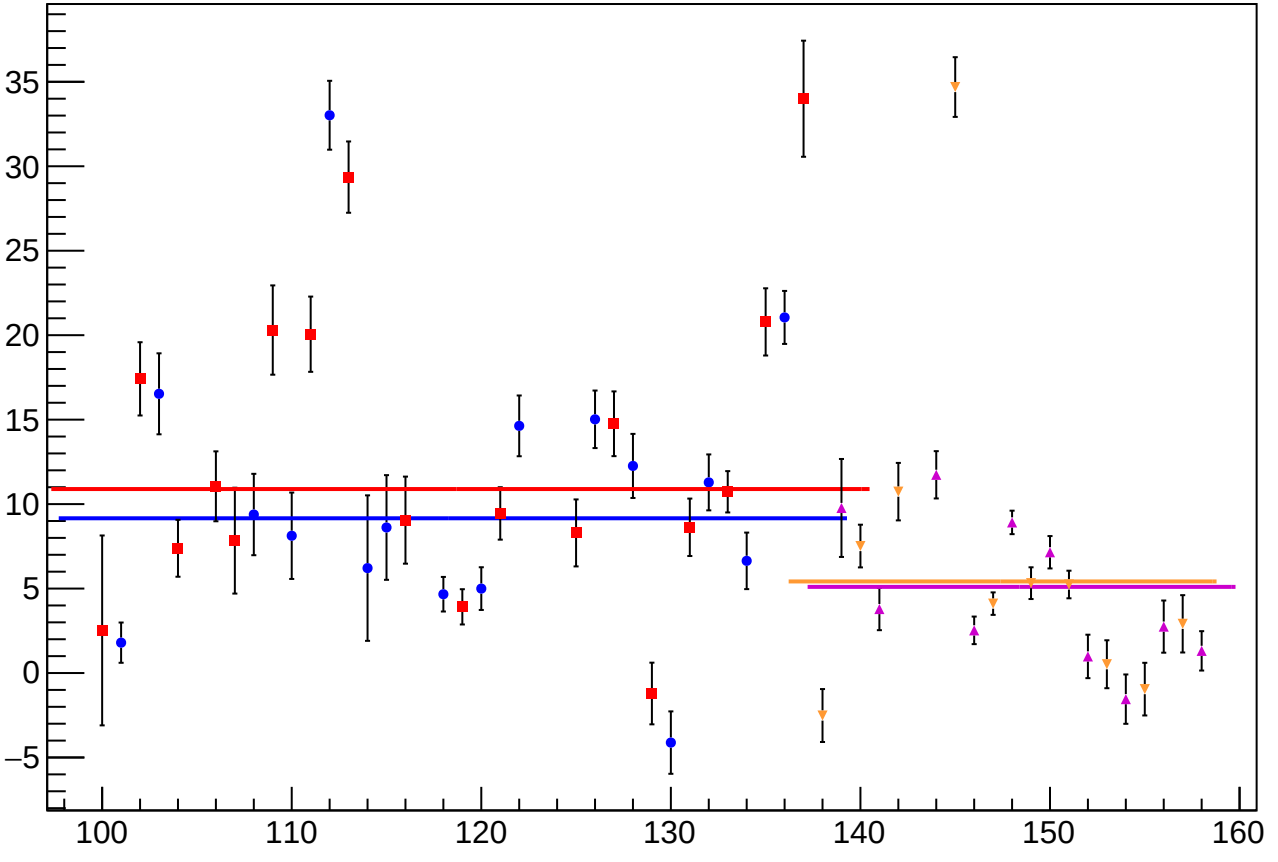
Left In: -82.451+/-0.540 χ^2/NDF:169.7/9

+ sign -75.052+/-0.343 χ^2/NDF: 2676.0/25

All: -76.137+/-0.240 χ^2/NDF: 4579.0/53

- sign -77.183+/-0.337 χ^2/NDF: 1883.3/27

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 9.161+/-0.425 χ^2/NDF: 352.1/15

Left Out: 5.421+/-0.357 χ^2/NDF:347.1/9

Right Out: 10.892+/-0.440 χ^2/NDF: 290.2/17

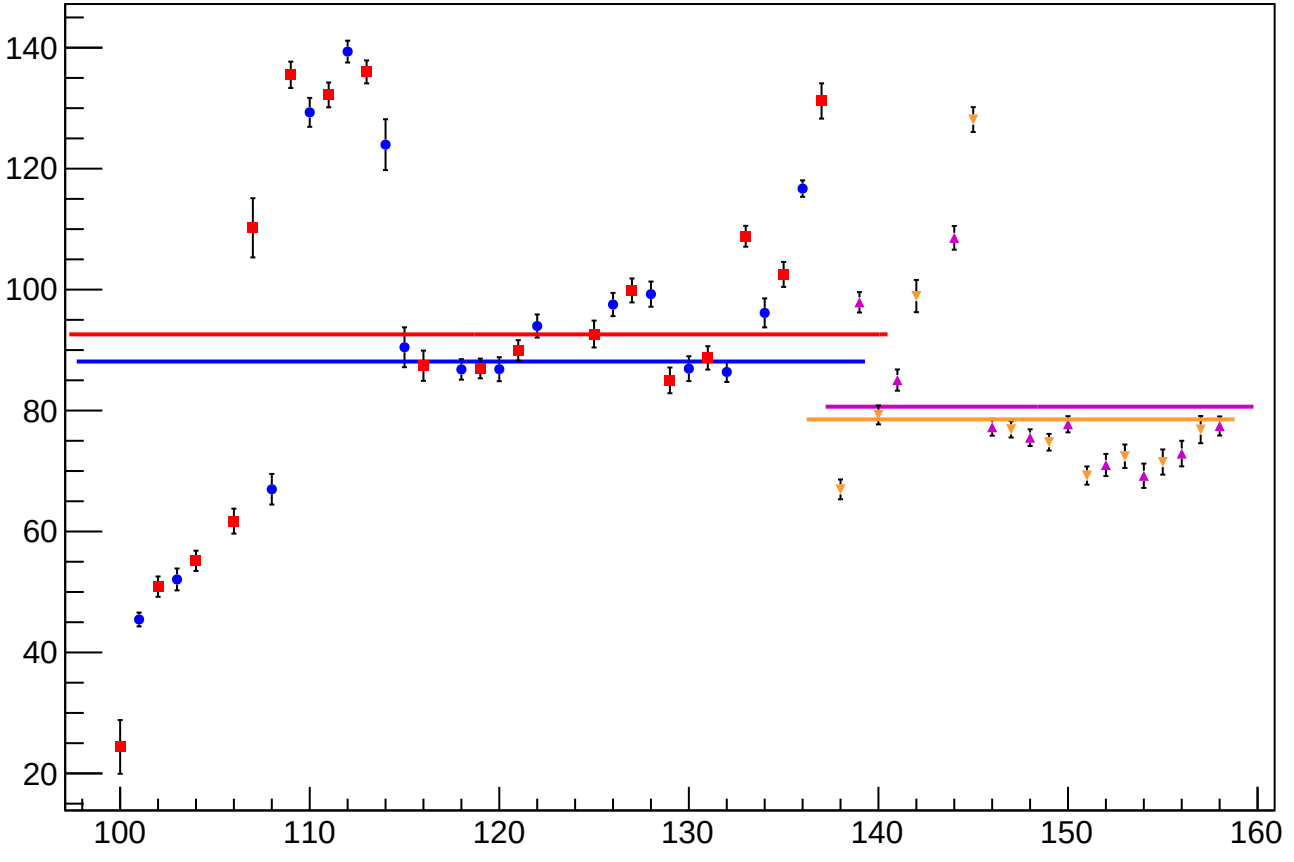
Left In: 5.100+/-0.350 χ^2/NDF:114.7/9

+ sign 6.968+/-0.273 χ^2/NDF: 744.6/25

All: 7.156+/-0.194 χ^2/NDF: 1256.5/53

- sign 7.344+/-0.274 χ^2/NDF: 511.0/27

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 88.109+/-0.469 χ^2/NDF: 3561.7/15

Left Out: 78.539+/-0.545 χ^2/NDF:757.5/9

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

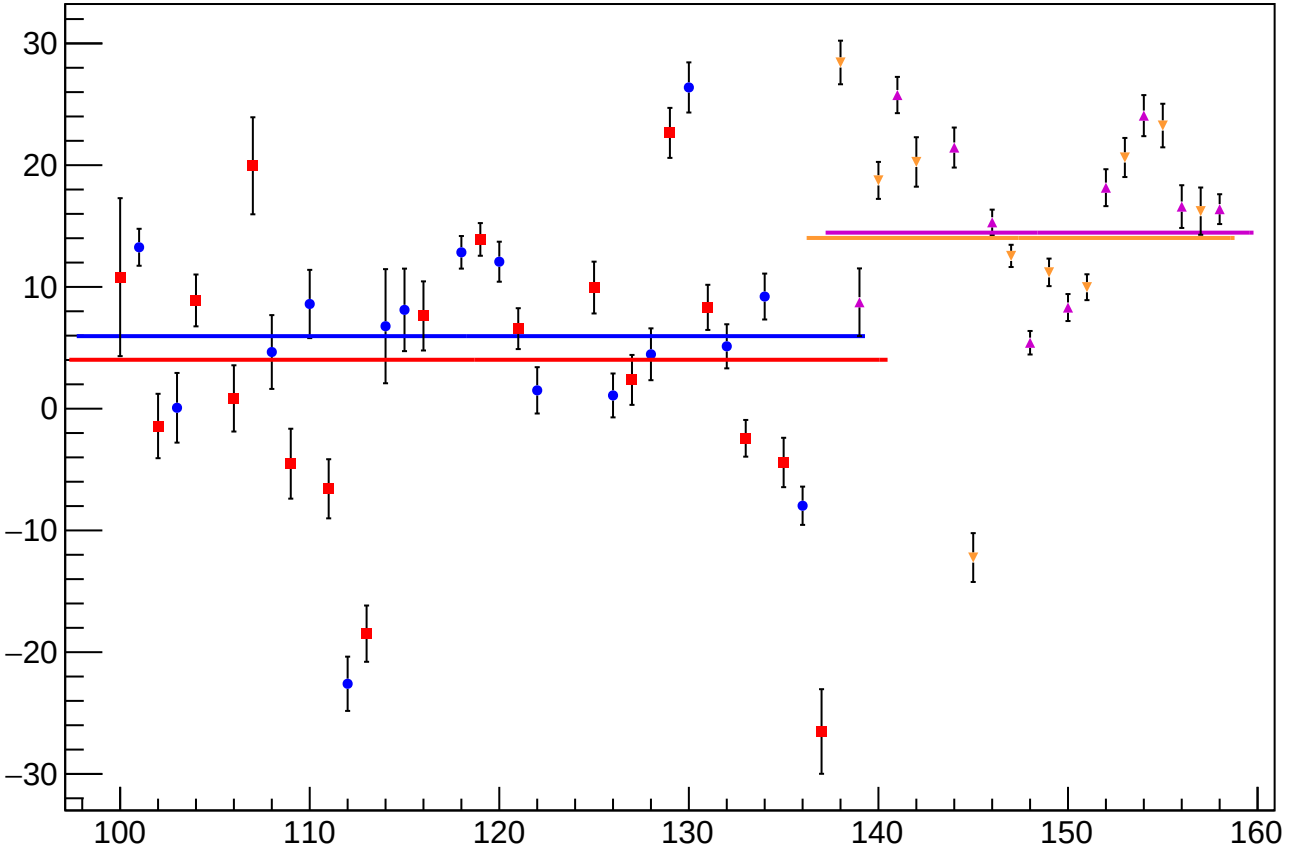
Left In: 80.639+/-0.520 χ^2/NDF:416.0/9

+ sign 84.041+/-0.355 χ^2/NDF: 4496.5/25

All: 85.553+/-0.251 χ^2/NDF: 8443.5/53

- sign 87.052+/-0.354 χ^2/NDF: 3911.0/27

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 14.022+/-0.444 χ^2/NDF:323.4/9

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

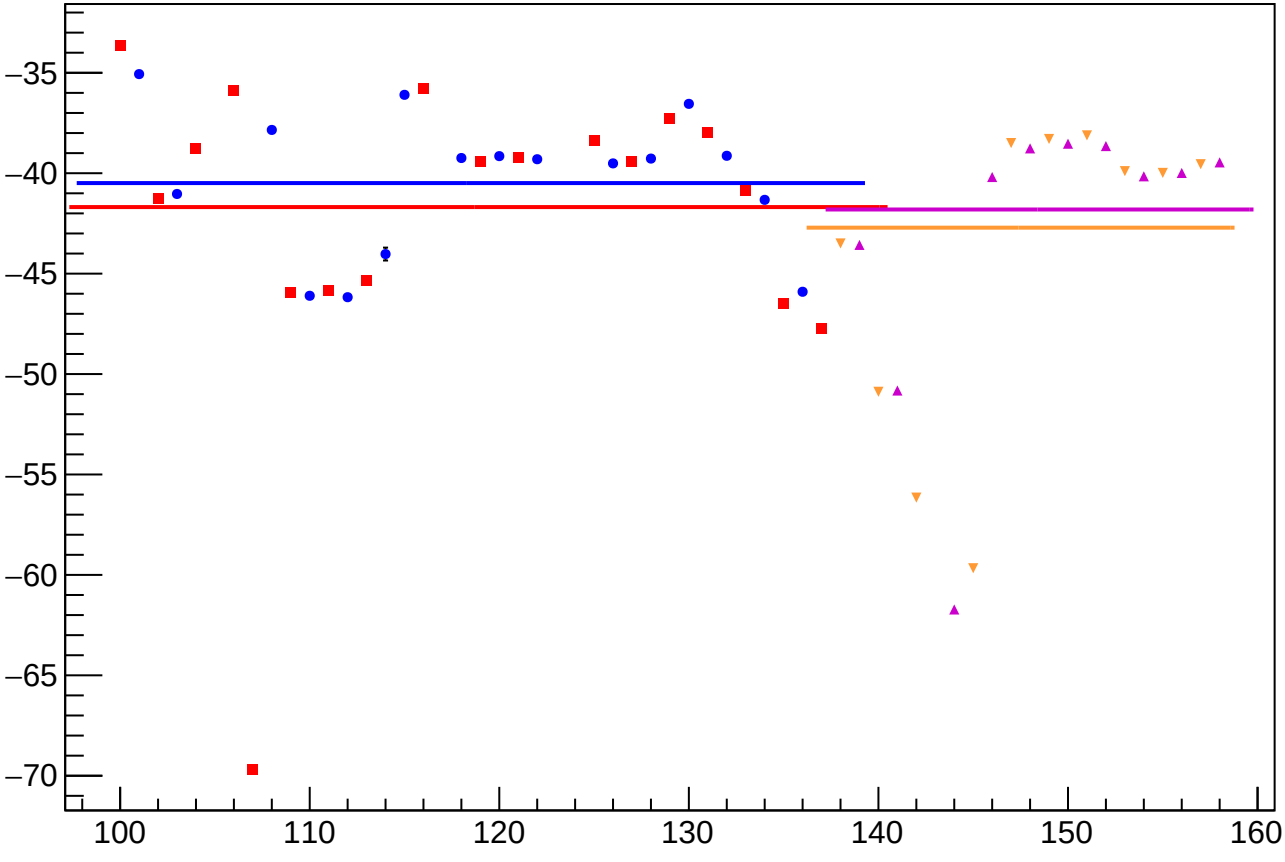
Left In: 14.459+/-0.425 χ^2/NDF:241.3/9

+ sign 10.424+/-0.330 χ^2/NDF: 897.3/25

All: 10.298+/-0.232 χ^2/NDF: 1804.2/53

- sign 10.175+/-0.326 χ^2/NDF: 906.6/27

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -42.711+/-0.022 χ^2/NDF:94260.5/9

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

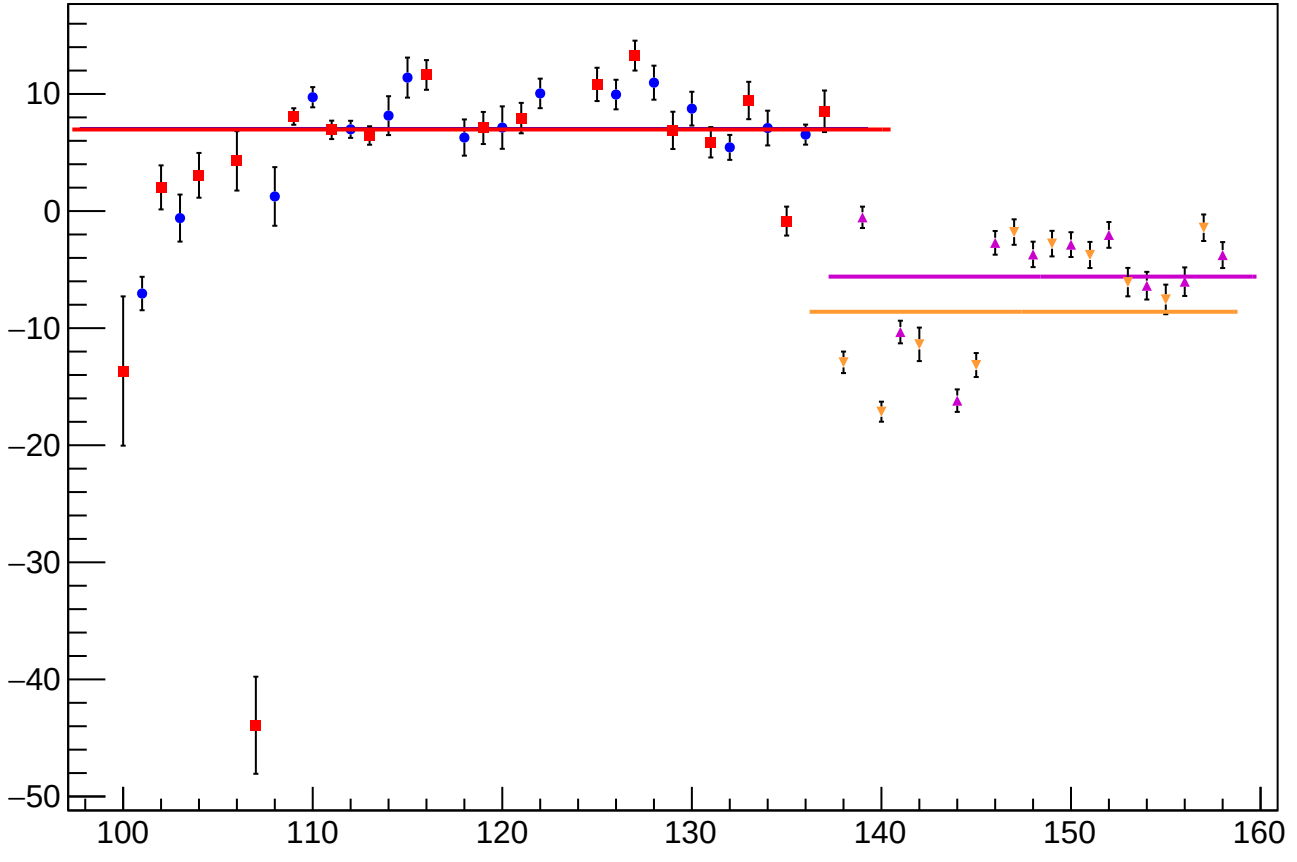
Left In: -41.806+/-0.020 χ^2/NDF:80635.7/9

+ sign -41.894+/-0.017 χ^2/NDF: 116272.1/25

All: -41.828+/-0.012 χ^2/NDF: 233786.1/53

- sign -41.768+/-0.016 χ^2/NDF: 117485.9/27

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -8.601+/-0.342 χ^2/NDF:277.0/9

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

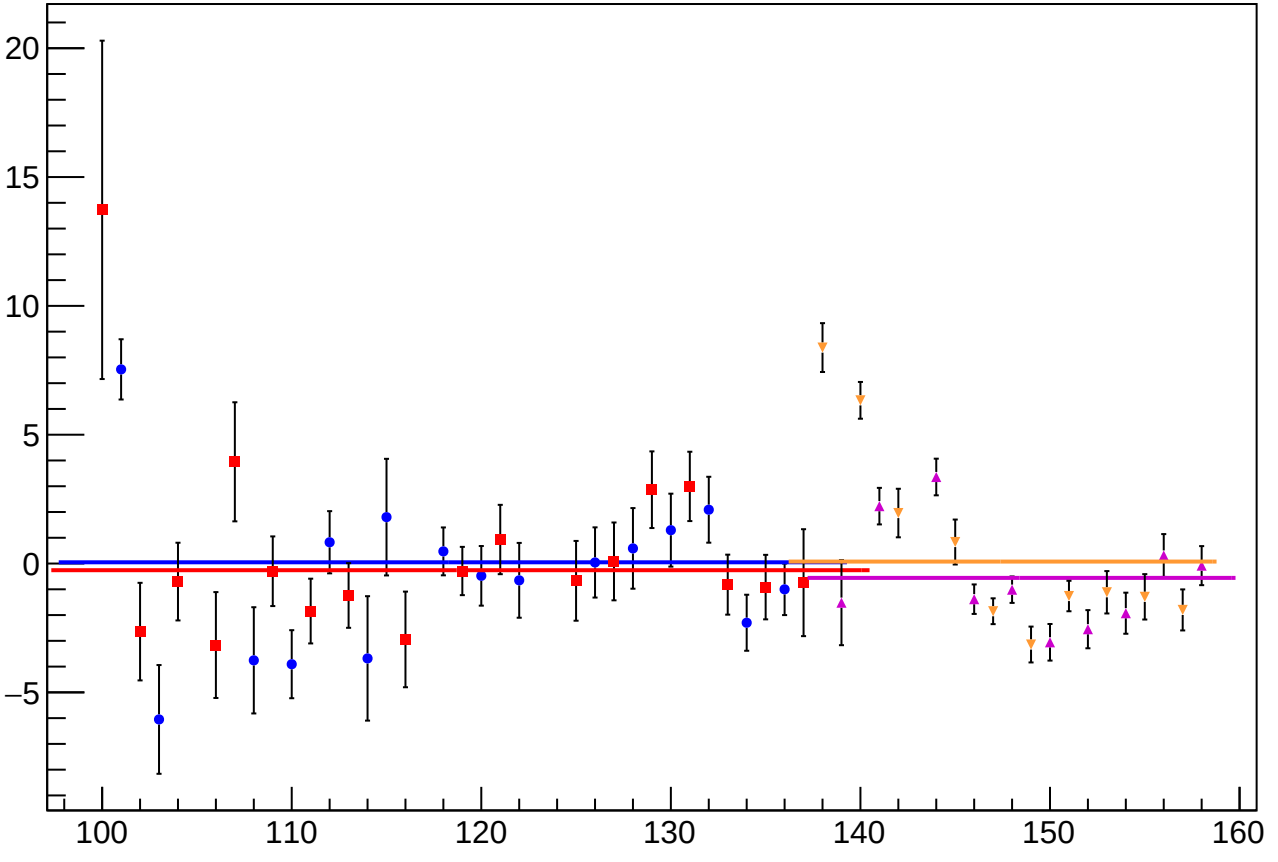
Left In: -5.599+/-0.332 χ^2/NDF:207.5/9

+ sign -0.020+/-0.229 χ^2/NDF: 1581.0/25

All: 0.688+/-0.159 χ^2/NDF: 2866.7/53

- sign 1.351+/-0.222 χ^2/NDF: 1267.2/27

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 0.048+/-0.331 χ^2/NDF: 75.0/15

Left Out: 0.077+/-0.231 χ^2/NDF:209.8/9

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

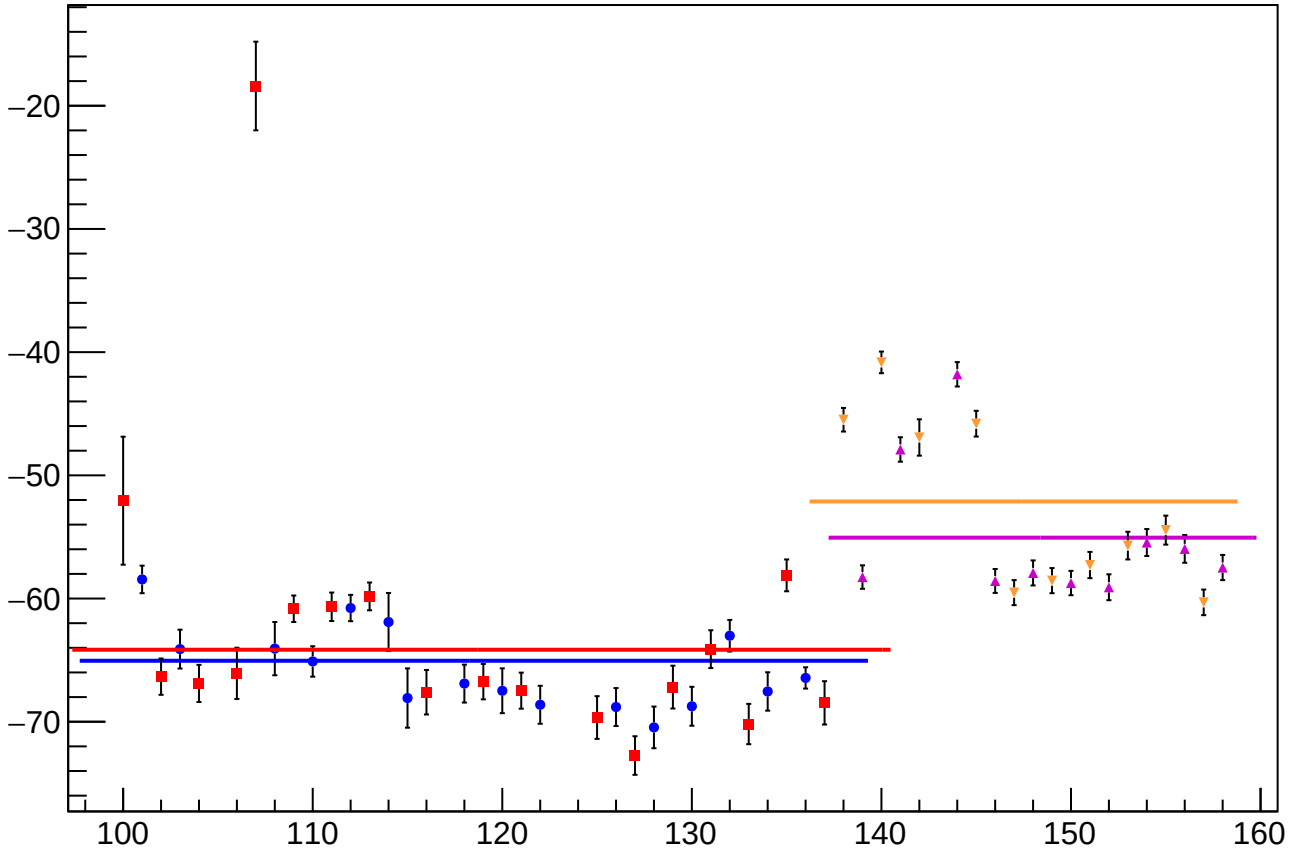
Left In: -0.557+/-0.225 χ^2/NDF:73.0/9

+ sign 0.067+/-0.189 χ^2/NDF: 284.8/25

All: -0.202+/-0.134 χ^2/NDF: 389.8/53

- sign -0.468+/-0.188 χ^2/NDF: 101.1/27

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -65.051+/-0.354 χ^2/NDF: 92.8/15

Left Out: -52.122+/-0.333 χ^2/NDF:454.2/9

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

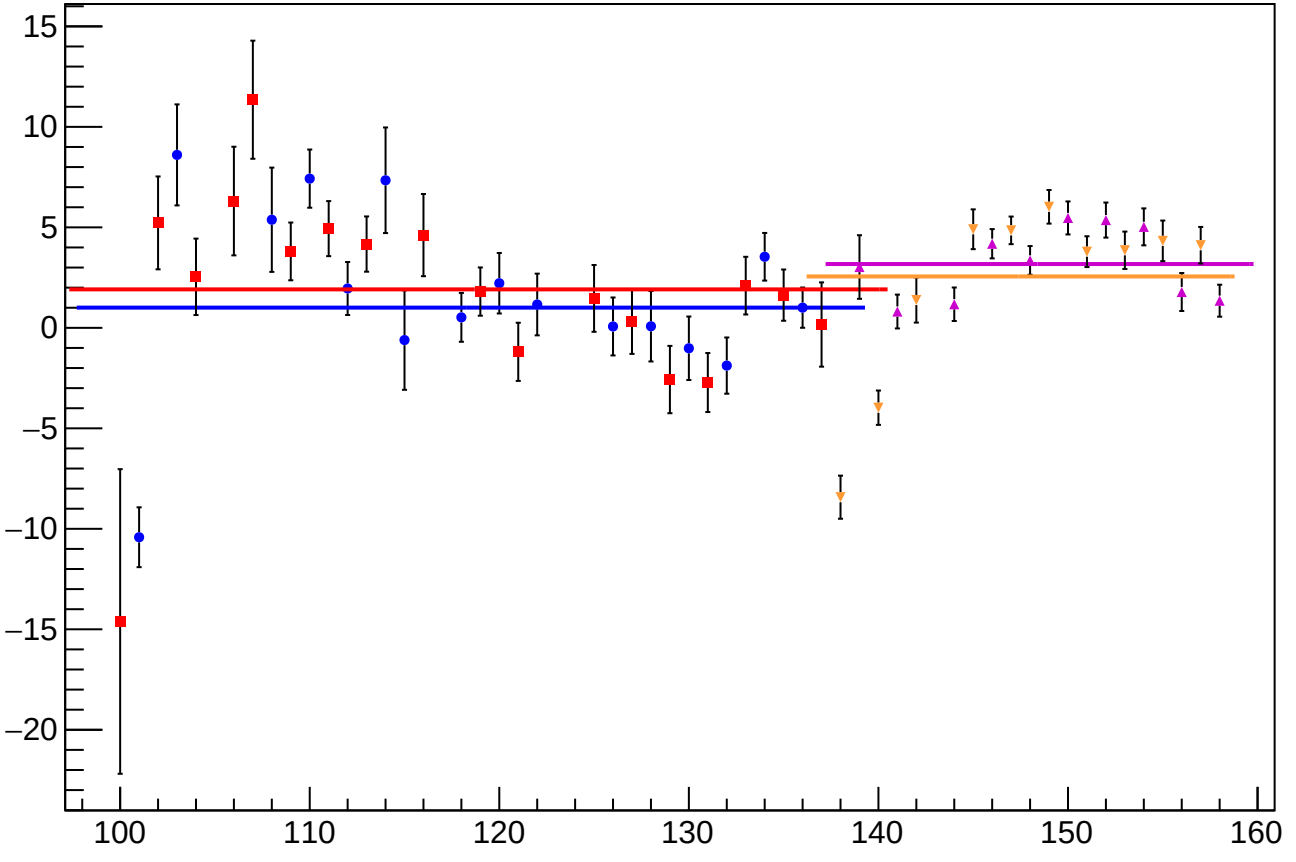
Left In: -55.060+/-0.321 χ^2/NDF:298.7/9

+ sign -58.195+/-0.243 χ^2/NDF: 1254.4/25

All: -58.647+/-0.171 χ^2/NDF: 2218.3/53

- sign -59.090+/-0.240 χ^2/NDF: 957.0/27

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 1.006+/-0.376 χ^2/NDF: 109.2/15

Left Out: 2.558+/-0.281 χ^2/NDF:208.8/9

Right Out: 1.914+/-0.390 χ^2/NDF: 54.5/17

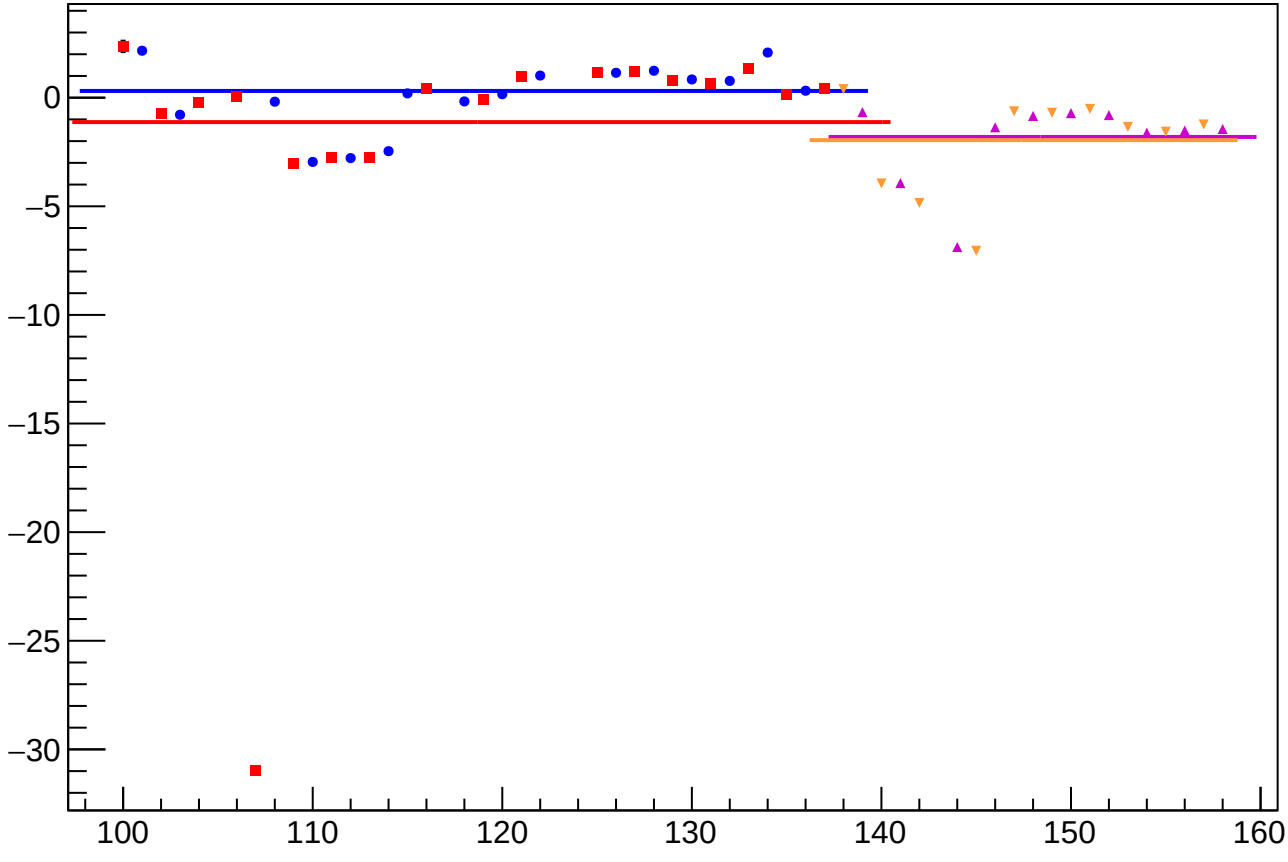
Left In: 3.175+/-0.269 χ^2/NDF:41.2/9

+ sign 2.000+/-0.225 χ^2/NDF: 329.0/25

All: 2.390+/-0.158 χ^2/NDF: 437.7/53

- sign 2.768+/-0.222 χ^2/NDF: 102.8/27

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: -1.955+/-0.013 χ^2/NDF:27723.6/9

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

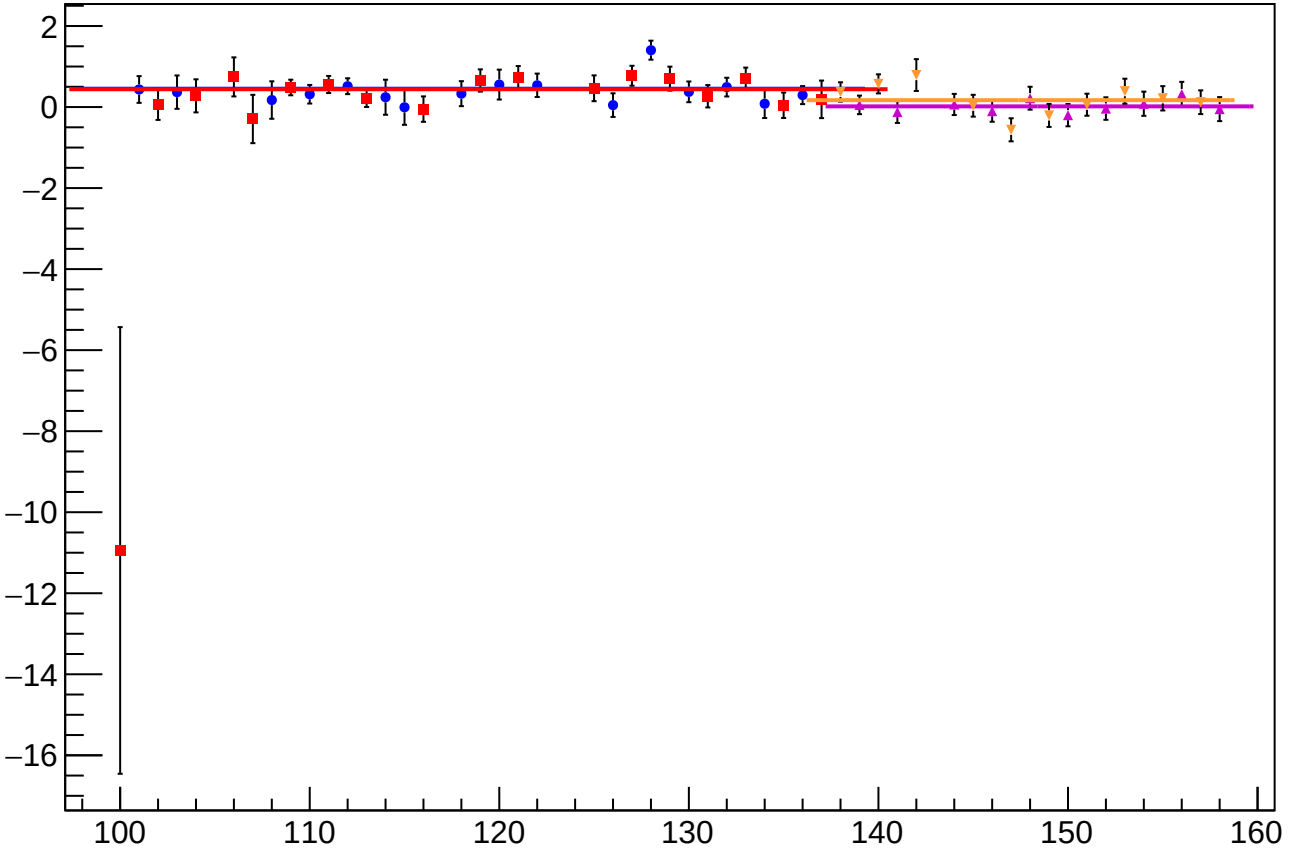
Left In: -1.808+/-0.012 χ^2/NDF:19296.0/9

\+ sign -1.338+/-0.011 χ^2/NDF: 40989.2/25

All: -1.499+/-0.008 χ^2/NDF: 107779.6/53

\- sign -1.651+/-0.011 χ^2/NDF: 66374.7/27

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.170+/-0.089 χ^2/NDF:15.5/9

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

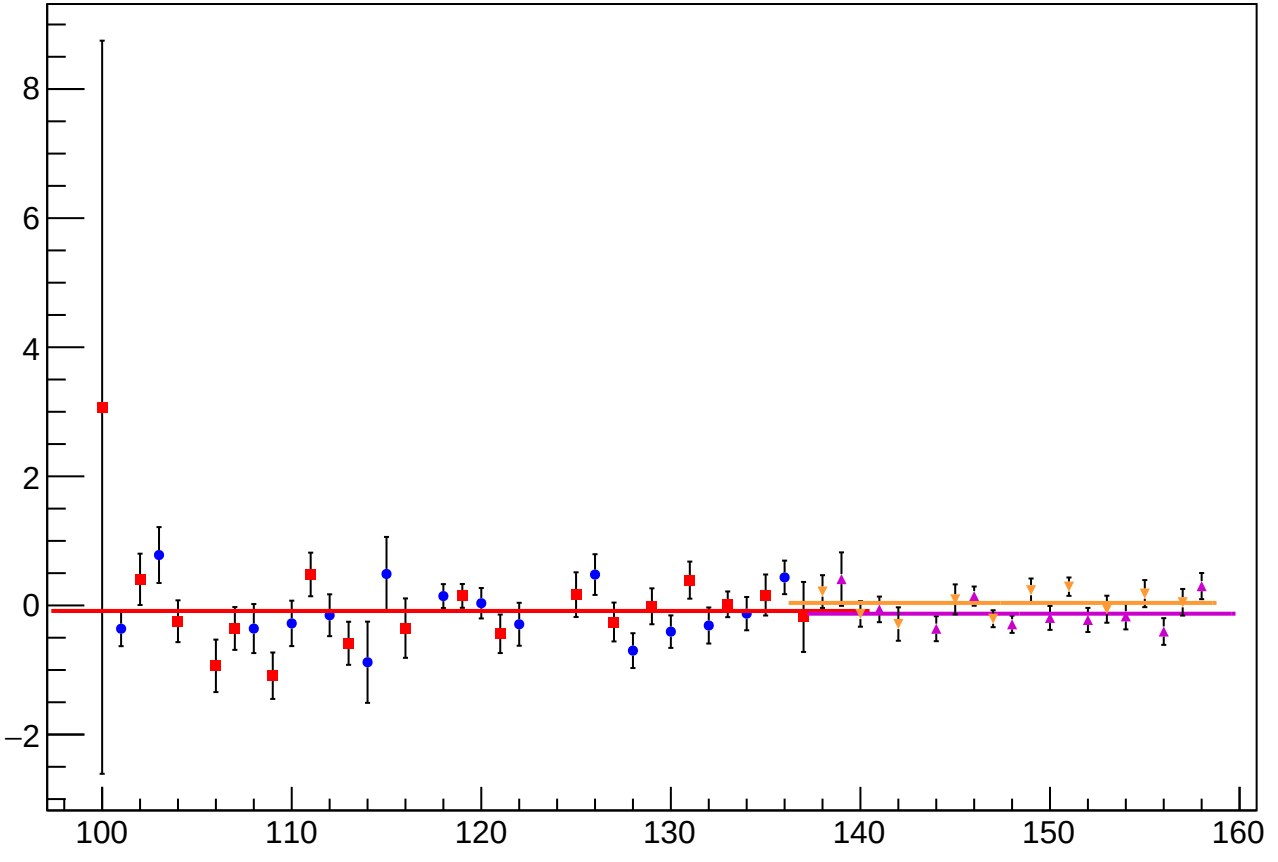
Left In: 0.016+/-0.086 χ^2/NDF:2.8/9

+ sign 0.341+/-0.055 χ^2/NDF: 44.3/25

All: 0.306+/-0.039 χ^2/NDF: 81.0/53

- sign 0.273+/-0.054 χ^2/NDF: 35.9/27

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: 0.039+/-0.060 χ^2/NDF:11.4/9

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

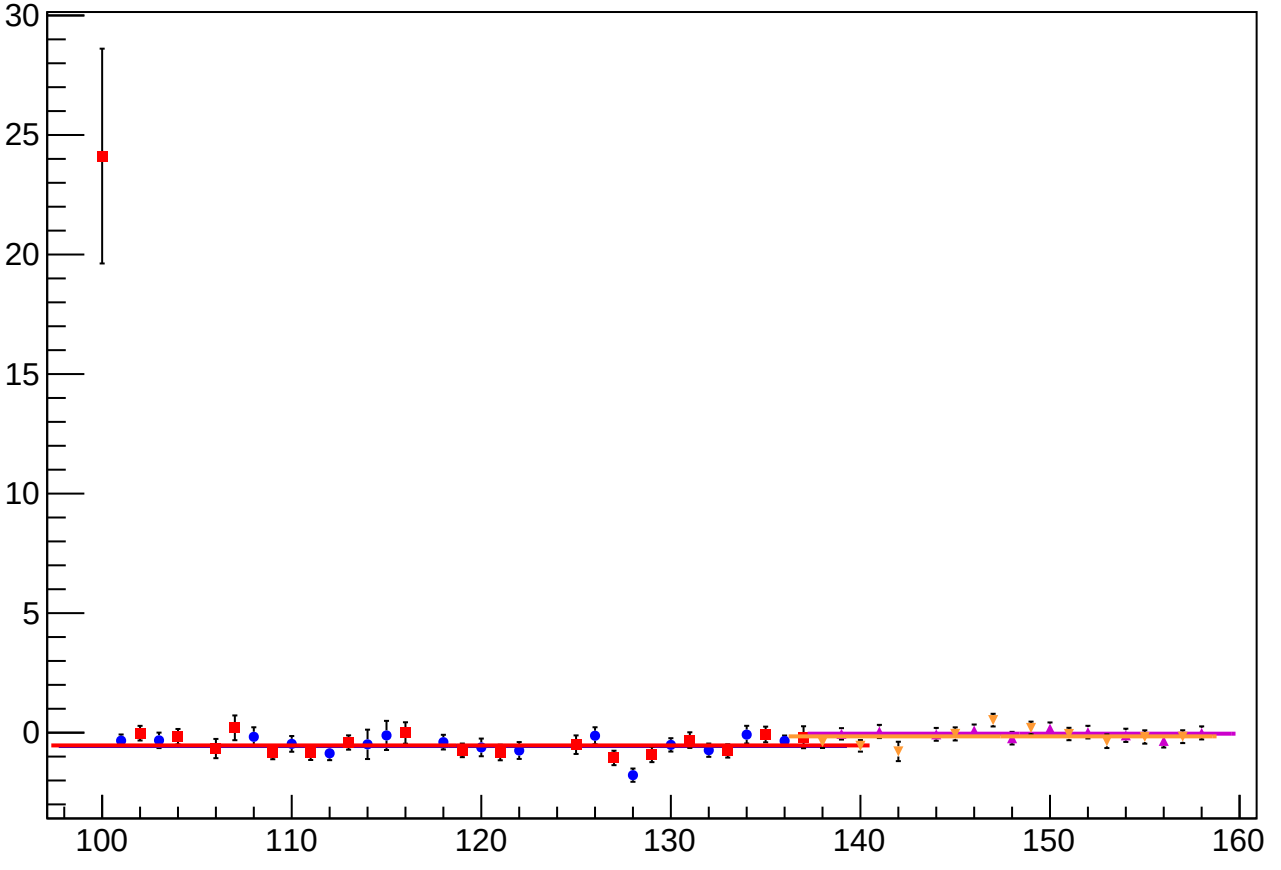
Left In: -0.128+/-0.059 χ^2/NDF:14.8/9

+ sign -0.011+/-0.046 χ^2/NDF: 38.5/25

All: -0.061+/-0.033 χ^2/NDF: 83.7/53

- sign -0.111+/-0.046 χ^2/NDF: 42.8/27

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.558+/-0.080 χ^2/NDF: 28.3/15

Left Out: -0.154+/-0.086 χ^2/NDF:15.1/9

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

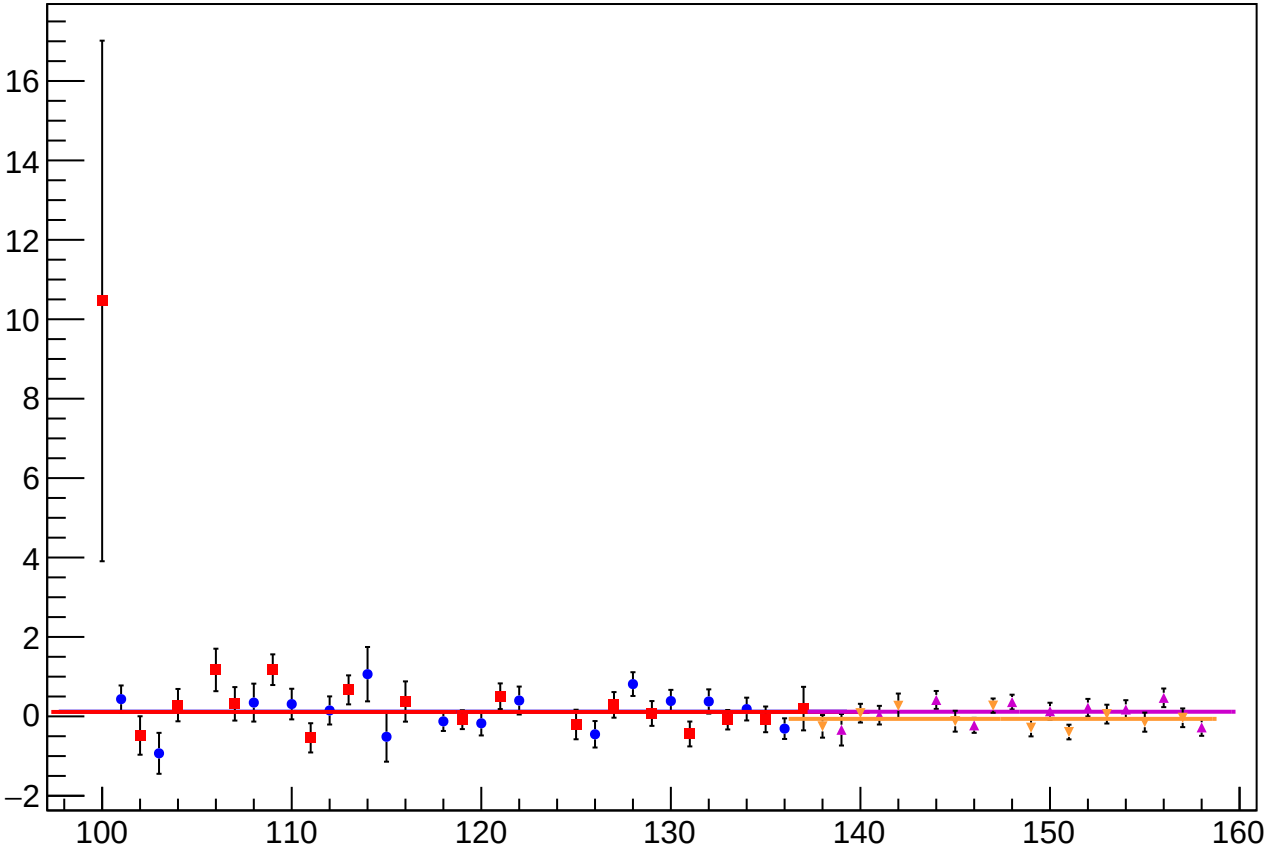
Left In: -0.043+/-0.084 χ^2/NDF:2.9/9

+ sign -0.372+/-0.059 χ^2/NDF: 55.3/25

All: -0.334+/-0.041 χ^2/NDF: 126.1/53

- sign -0.297+/-0.058 χ^2/NDF: 70.0/27

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.118+/-0.084 χ^2/NDF: 23.6/15

Left Out: -0.063+/-0.073 χ^2/NDF:10.1/9

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

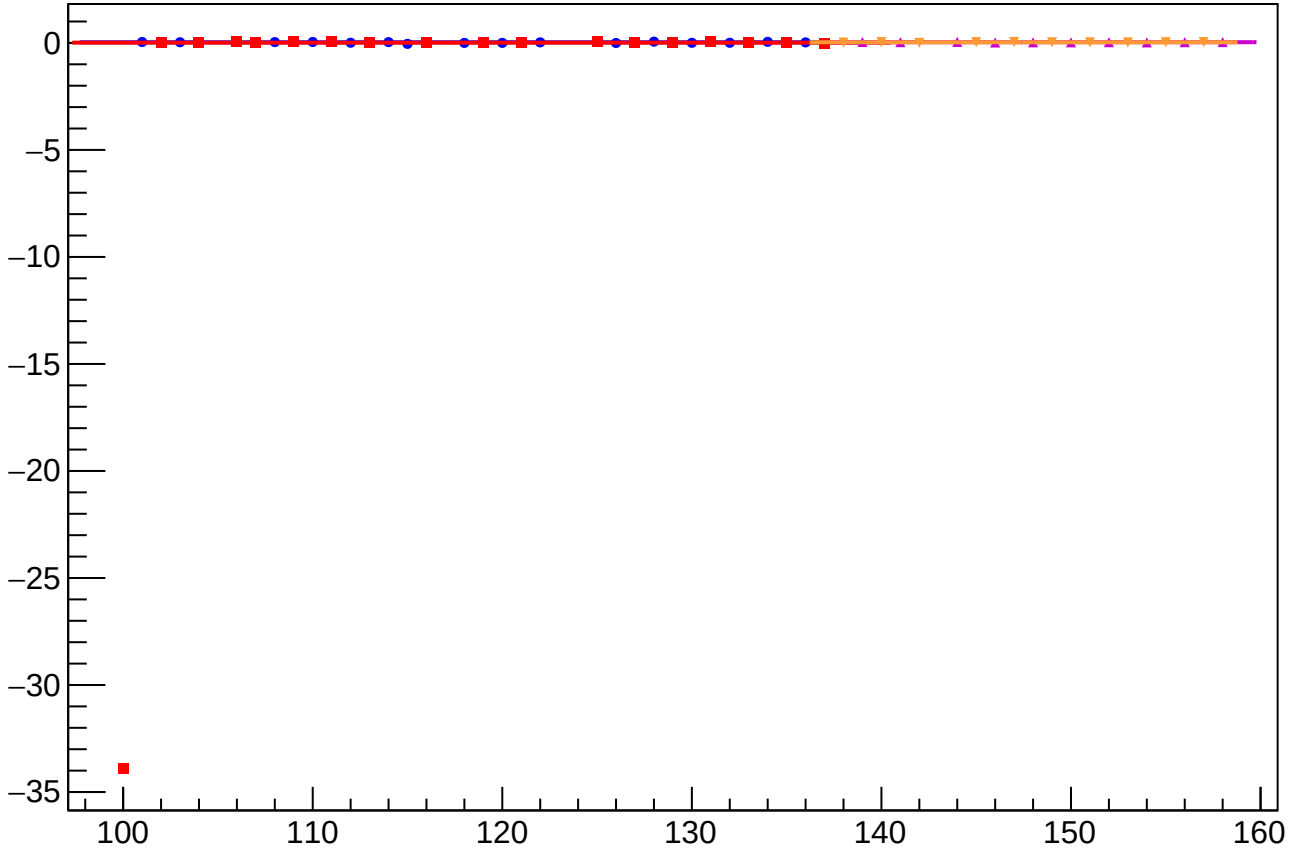
Left In: 0.116+/-0.070 χ^2/NDF:14.1/9

+ sign 0.014+/-0.055 χ^2/NDF: 36.4/25

All: 0.065+/-0.039 χ^2/NDF: 81.2/53

- sign 0.114+/-0.054 χ^2/NDF: 43.1/27

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.027+/-0.005 χ^2/NDF: 14.7/15

Left Out: 0.029+/-0.003 χ^2/NDF:8.6/9

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

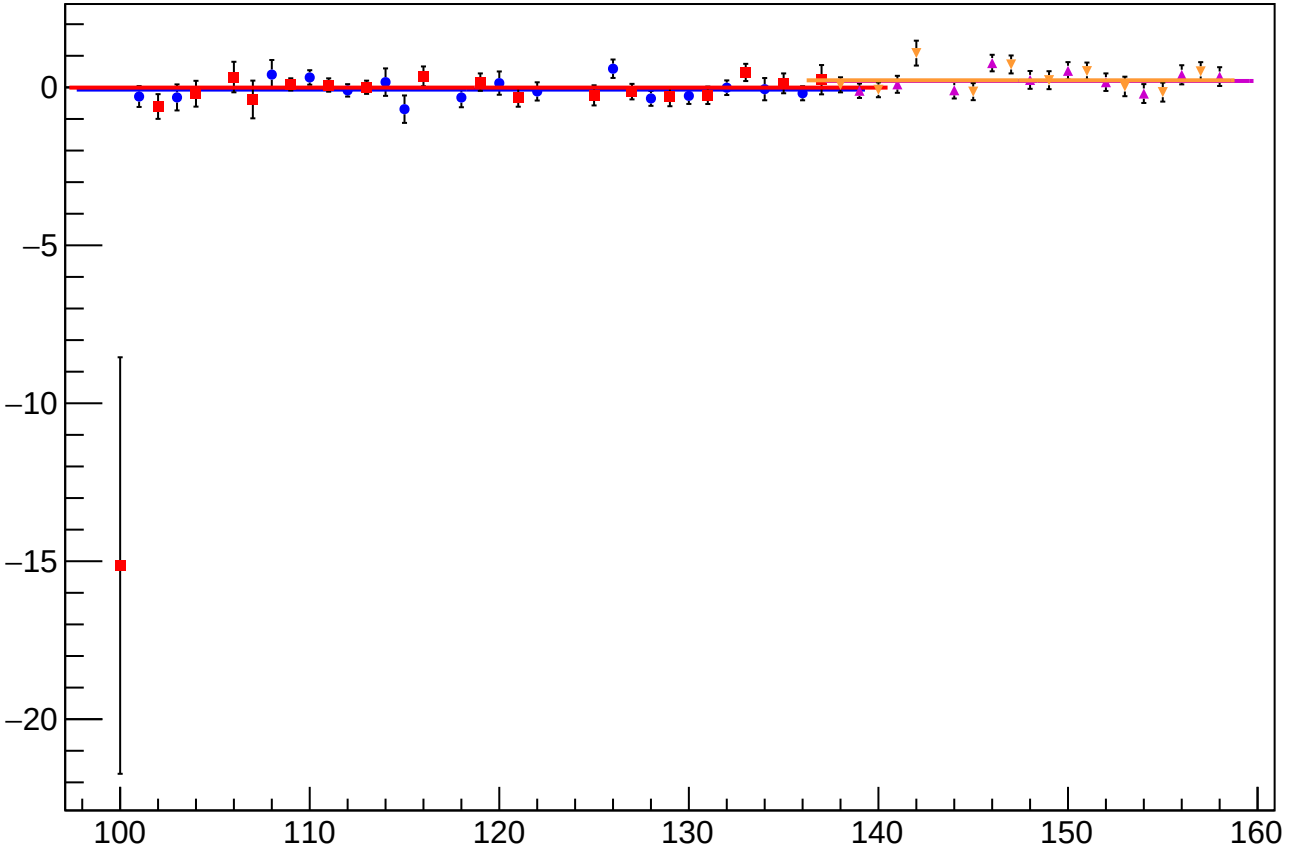
Left In: 0.034+/-0.003 χ^2/NDF:6.0/9

+ sign 0.028+/-0.003 χ^2/NDF: 23.3/25

All: 0.028+/-0.002 χ^2/NDF: 22305.4/53

- sign 0.027+/-0.003 χ^2/NDF: 22282.0/27

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.223+/-0.089 χ^2/NDF:15.7/9

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

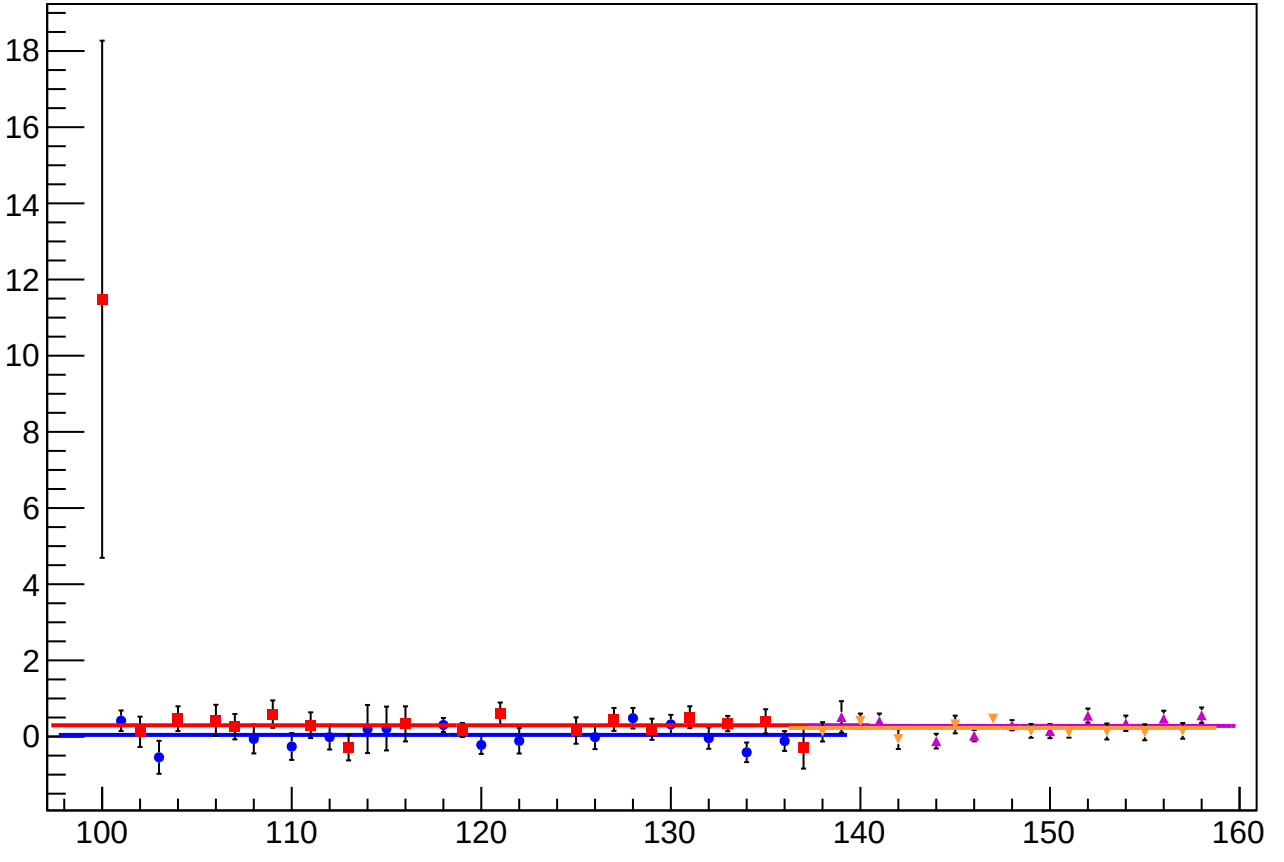
Left In: 0.203+/-0.086 χ^2/NDF:11.7/9

+ sign 0.045+/-0.055 χ^2/NDF: 37.9/25

All: 0.061+/-0.039 χ^2/NDF: 71.5/53

- sign 0.076+/-0.054 χ^2/NDF: 33.5/27

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.226+/-0.060 χ^2/NDF:7.3/9

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

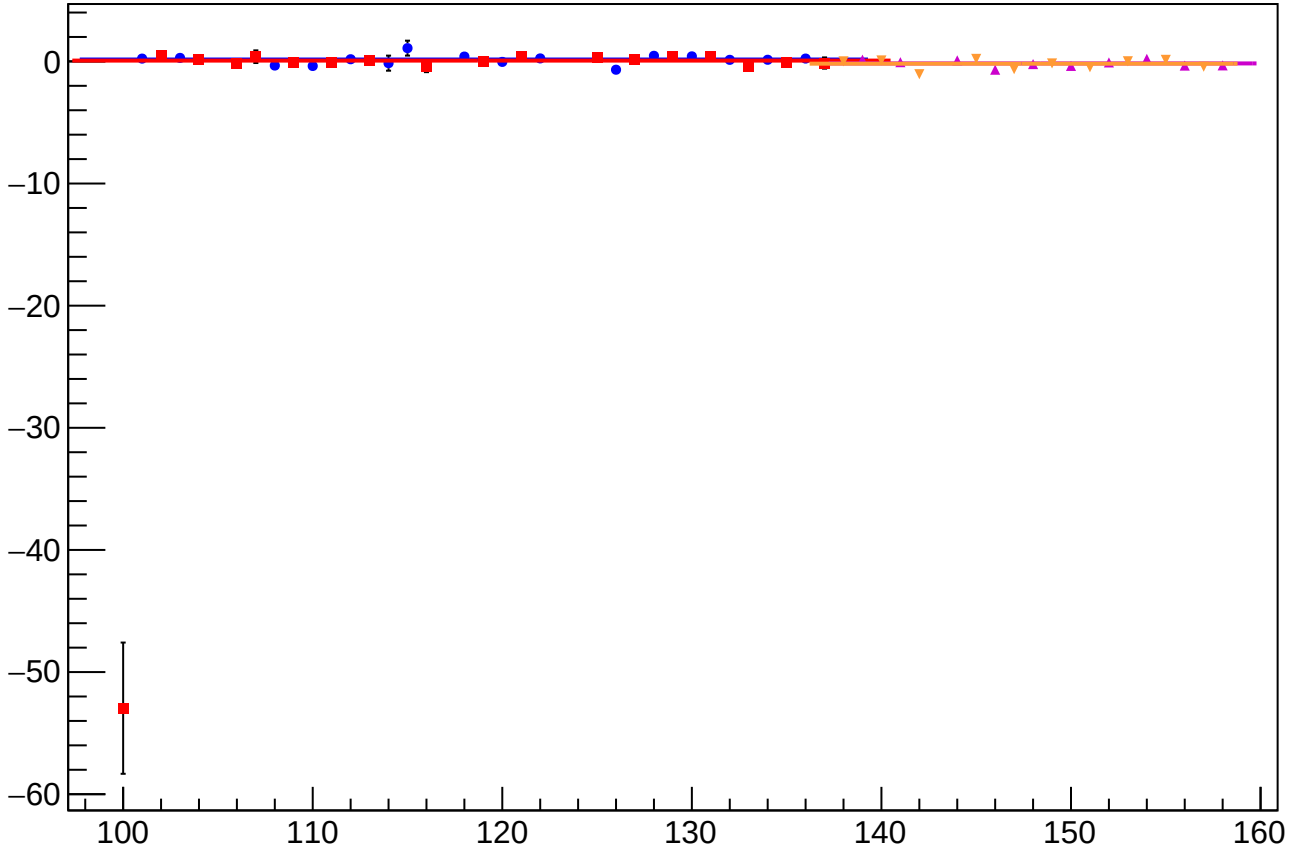
Left In: 0.280+/-0.059 χ^2/NDF:13.5/9

+ sign 0.153+/-0.046 χ^2/NDF: 26.7/25

All: 0.220+/-0.033 χ^2/NDF: 55.4/53

- sign 0.286+/-0.046 χ^2/NDF: 24.5/27

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.187+/-0.086 χ^2/NDF:15.1/9

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

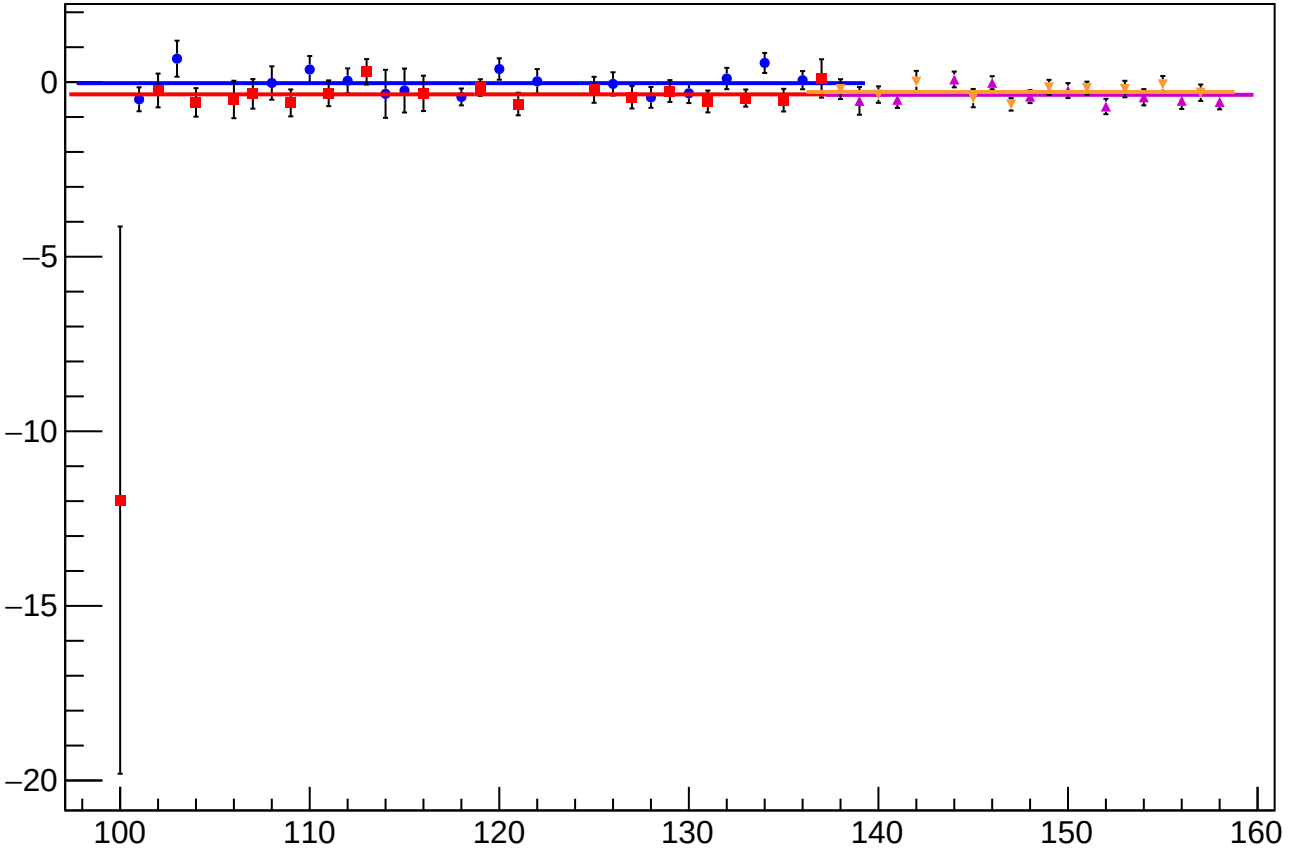
Left In: -0.167+/-0.084 χ^2/NDF:10.2/9

+ sign -0.004+/-0.059 χ^2/NDF: 39.1/25

All: -0.025+/-0.041 χ^2/NDF: 162.9/53

- sign -0.046+/-0.058 χ^2/NDF: 123.5/27

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.030+/-0.084 χ^2/NDF: 16.8/15

Left Out: -0.282+/-0.073 χ^2/NDF:7.1/9

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

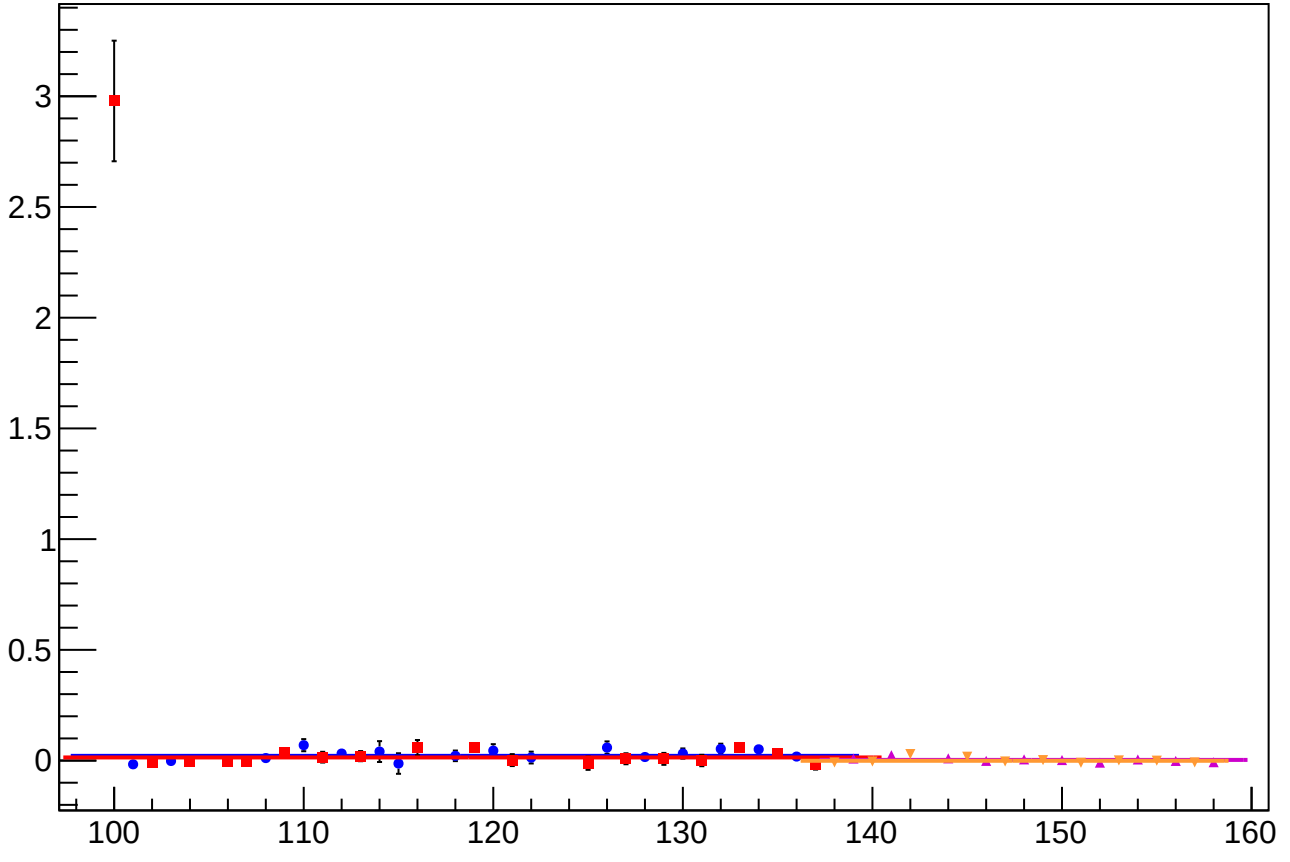
Left In: -0.364+/-0.070 χ^2/NDF:11.9/9

+ sign -0.174+/-0.055 χ^2/NDF: 29.1/25

All: -0.268+/-0.039 χ^2/NDF: 56.1/53

- sign -0.358+/-0.054 χ^2/NDF: 21.4/27

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: 0.021+/-0.005 χ^2/NDF: 22.5/15

Left Out: -0.001+/-0.003 χ^2/NDF:8.6/9

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

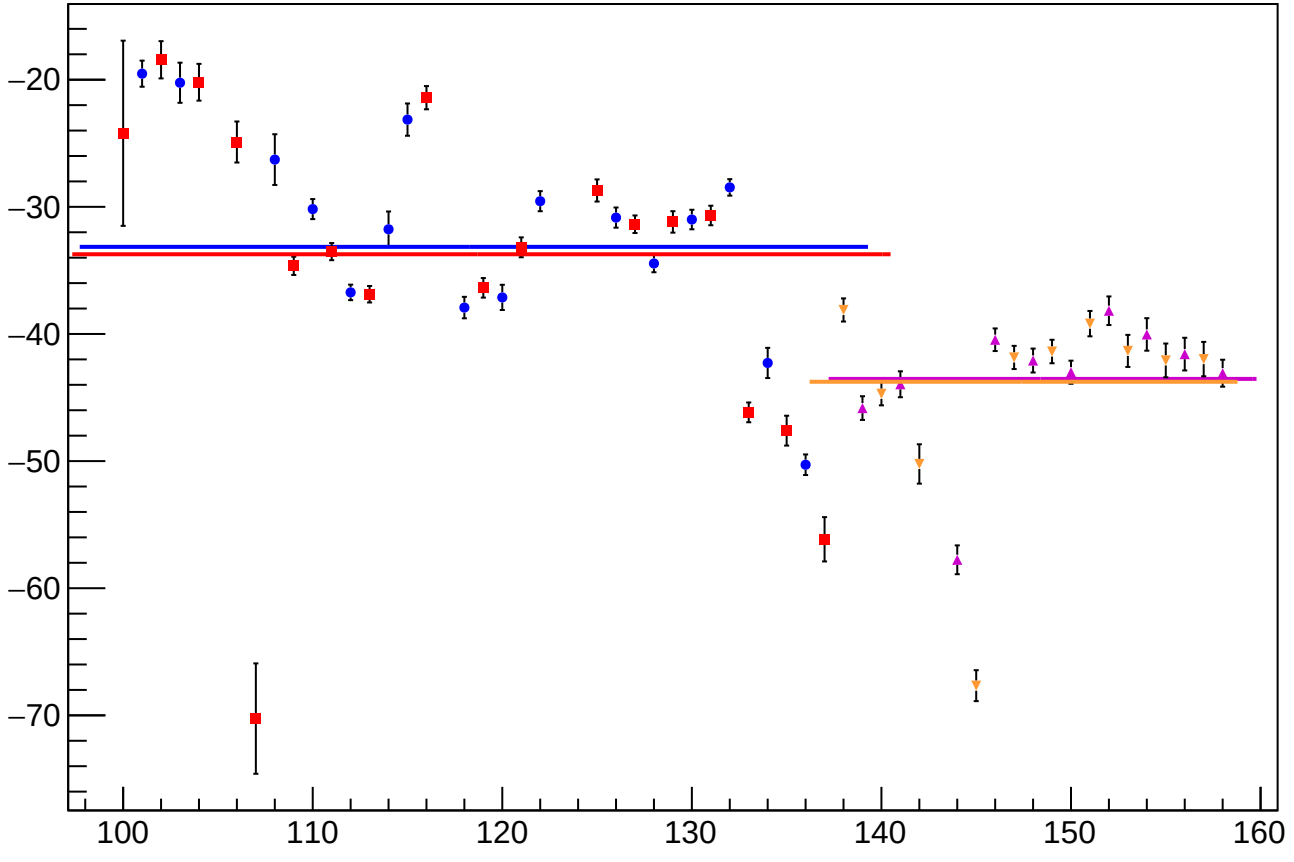
Left In: 0.003+/-0.003 χ^2/NDF:7.9/9

+ sign 0.006+/-0.003 χ^2/NDF: 45.5/25

All: 0.006+/-0.002 χ^2/NDF: 197.9/53

- sign 0.006+/-0.003 χ^2/NDF: 152.4/27

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -43.759+/-0.340 χ^2/NDF:481.7/9

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

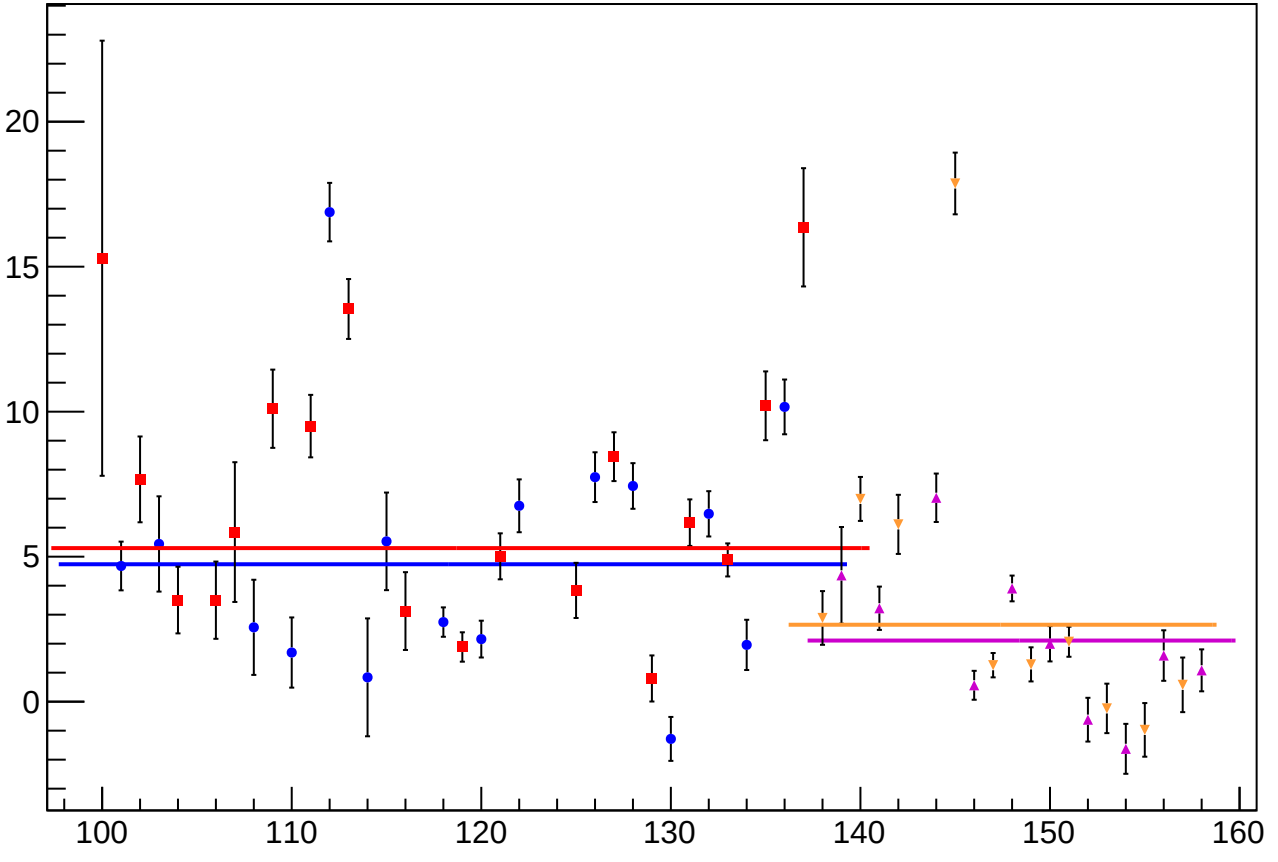
Left In: -43.535+/-0.326 χ^2/NDF:211.1/9

+ sign -36.233+/-0.184 χ^2/NDF: 2184.6/25

All: -36.470+/-0.128 χ^2/NDF: 4177.4/53

- sign -36.696+/-0.179 χ^2/NDF: 1989.5/27

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 2.653+/-0.220 χ^2/NDF:298.2/9

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

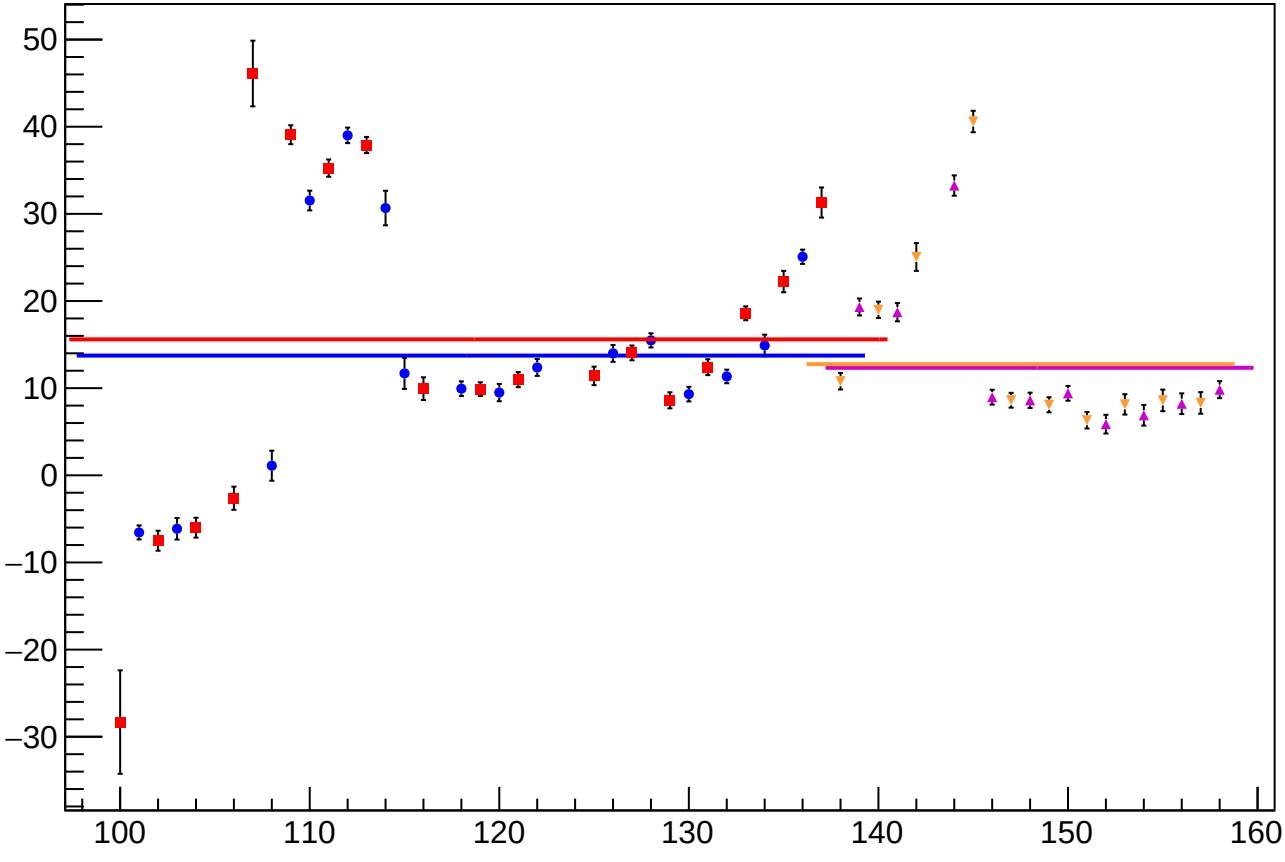
Left In: 2.108+/-0.215 χ^2/NDF:99.0/9

+ sign 3.698+/-0.155 χ^2/NDF: 672.9/25

All: 3.668+/-0.110 χ^2/NDF: 1123.0/53

- sign 3.638+/-0.155 χ^2/NDF: 450.0/27

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 12.752+/-0.330 χ^2/NDF:756.9/9

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

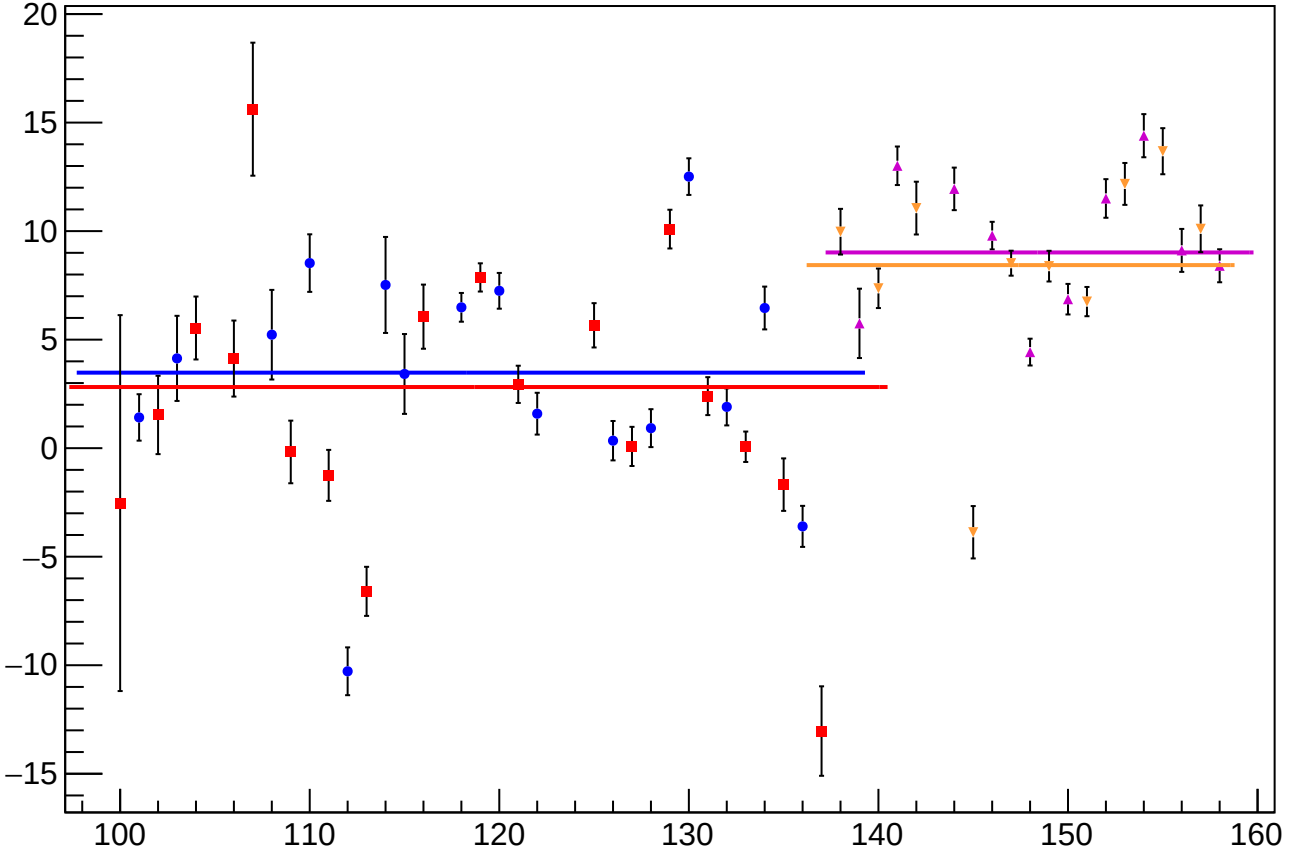
Left In: 12.336+/-0.315 χ^2/NDF:531.5/9

\+ sign 13.385+/-0.198 χ^2/NDF: 3112.5/25

All: 13.865+/-0.139 χ^2/NDF: 6547.8/53

\- sign 14.336+/-0.196 χ^2/NDF: 3423.7/27

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 8.434+/-0.272 χ^2/NDF:160.4/9

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

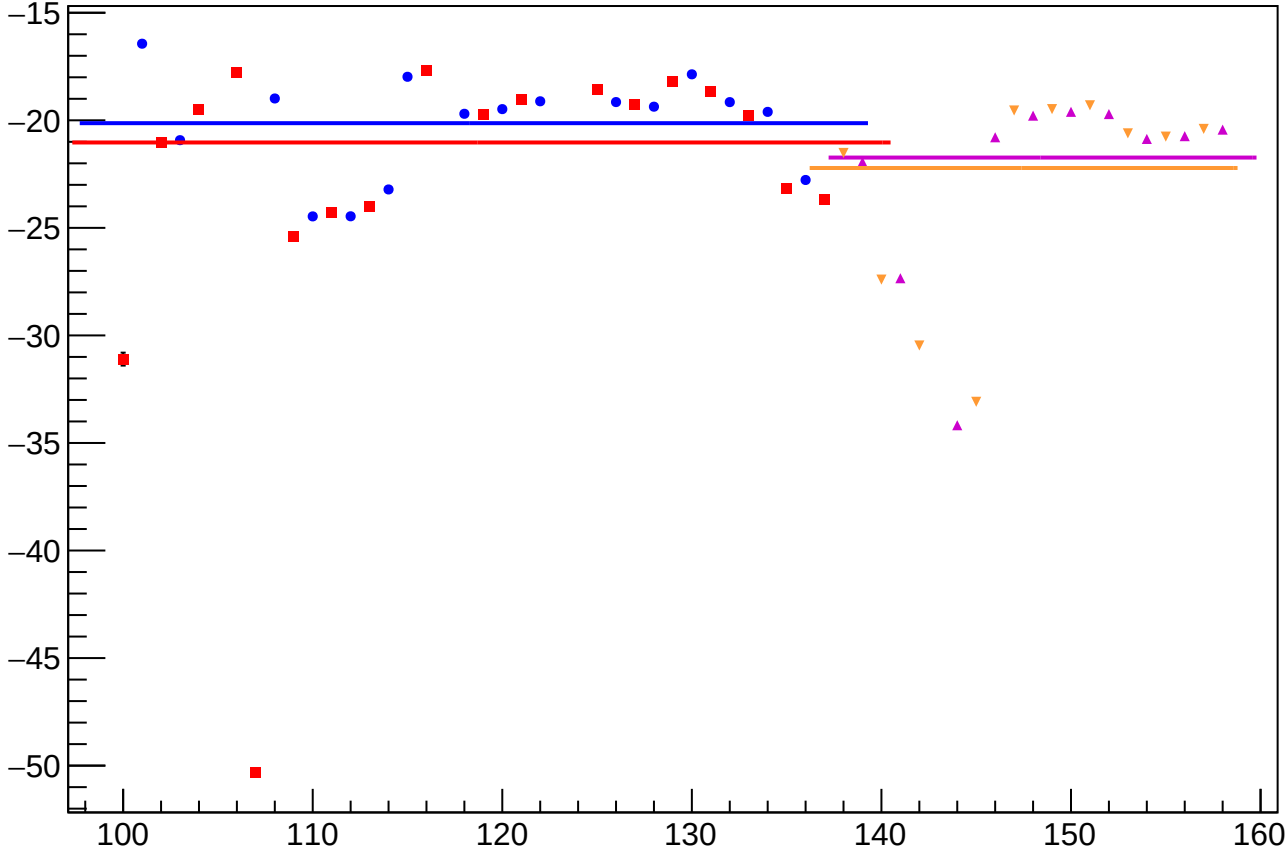
Left In: 9.017+/-0.260 χ^2/NDF:137.3/9

+ sign 5.784+/-0.186 χ^2/NDF: 765.5/25

All: 5.838+/-0.130 χ^2/NDF: 1536.1/53

- sign 5.890+/-0.183 χ^2/NDF: 770.4/27

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -20.133+/-0.016 χ^2/NDF: 19831.2/15

Left Out: -22.217+/-0.013 χ^2/NDF:103290.2/9

Right Out: -21.031+/-0.016 χ^2/NDF: 57523.6/17

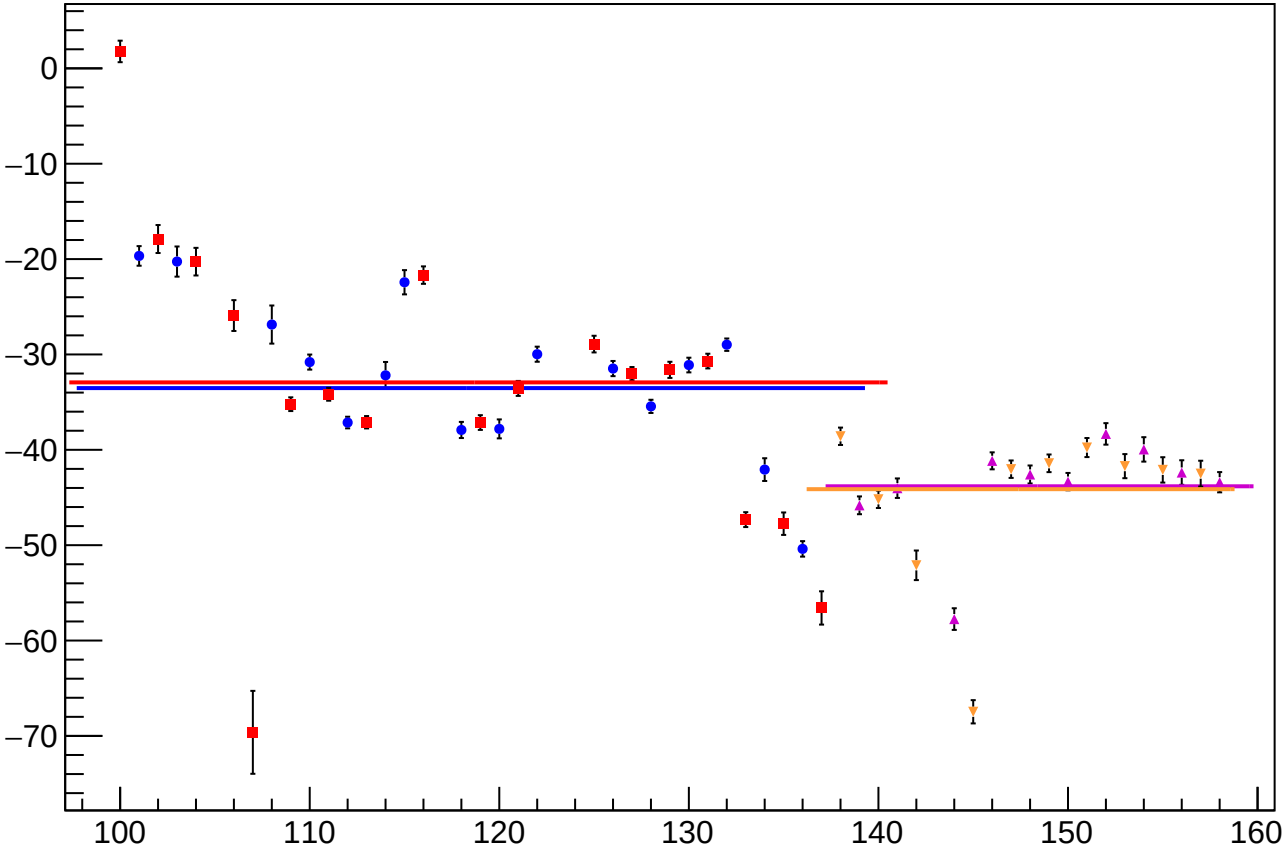
Left In: -21.732+/-0.012 χ^2/NDF:86351.6/9

+ sign -21.390+/-0.010 χ^2/NDF: 133331.8/25

All: -21.442+/-0.007 χ^2/NDF: 278446.5/53

- sign -21.489+/-0.010 χ^2/NDF: 145064.0/27

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -33.528+/-0.218 χ^2/NDF: 1008.7/15

Left Out: -44.127+/-0.341 χ^2/NDF:471.3/9

Right Out: -32.931+/-0.212 χ^2/NDF: 2170.0/17

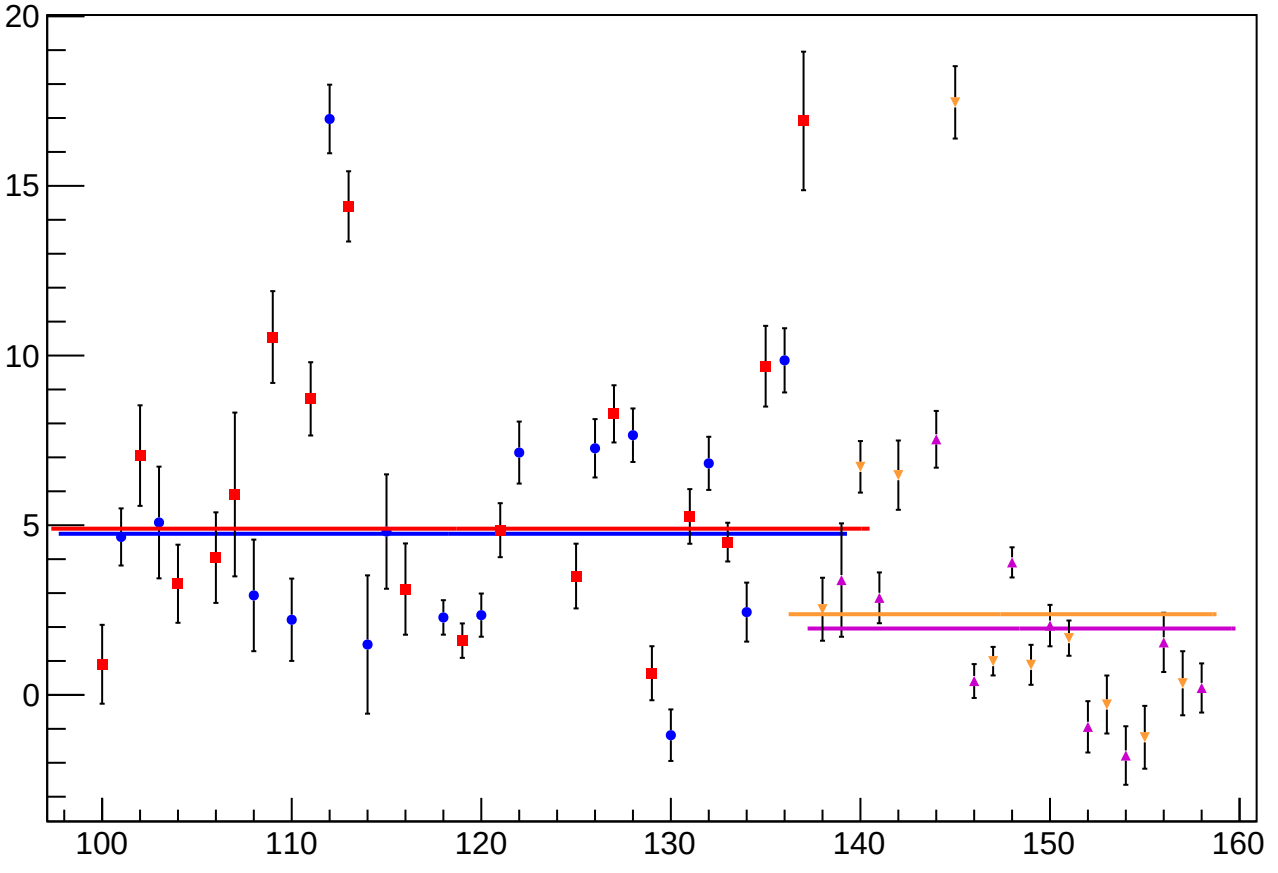
Left In: -43.825+/-0.327 χ^2/NDF:200.2/9

\+ sign -36.611+/-0.184 χ^2/NDF: 2164.8/25

All: -36.372+/-0.128 χ^2/NDF: 5321.1/53

\- sign -36.148+/-0.178 χ^2/NDF: 3153.1/27

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 2.378+/-0.220 χ^2/NDF:297.5/9

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

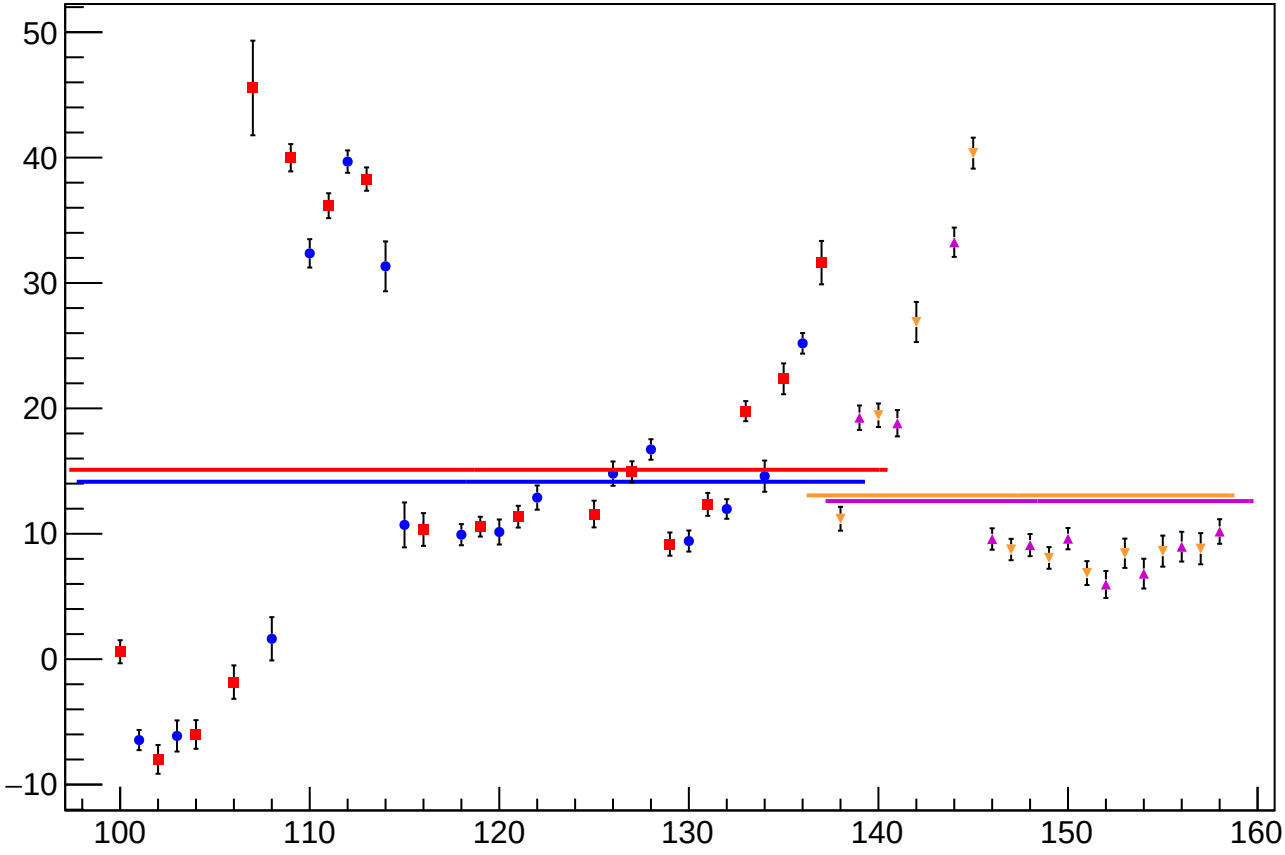
Left In: 1.956+/-0.215 χ^2/NDF:115.1/9

+ sign 3.566+/-0.156 χ^2/NDF: 681.4/25

All: 3.479+/-0.109 χ^2/NDF: 1161.6/53

- sign 3.394+/-0.154 χ^2/NDF: 479.6/27

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 13.062+/-0.331 χ^2/NDF:754.9/9

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

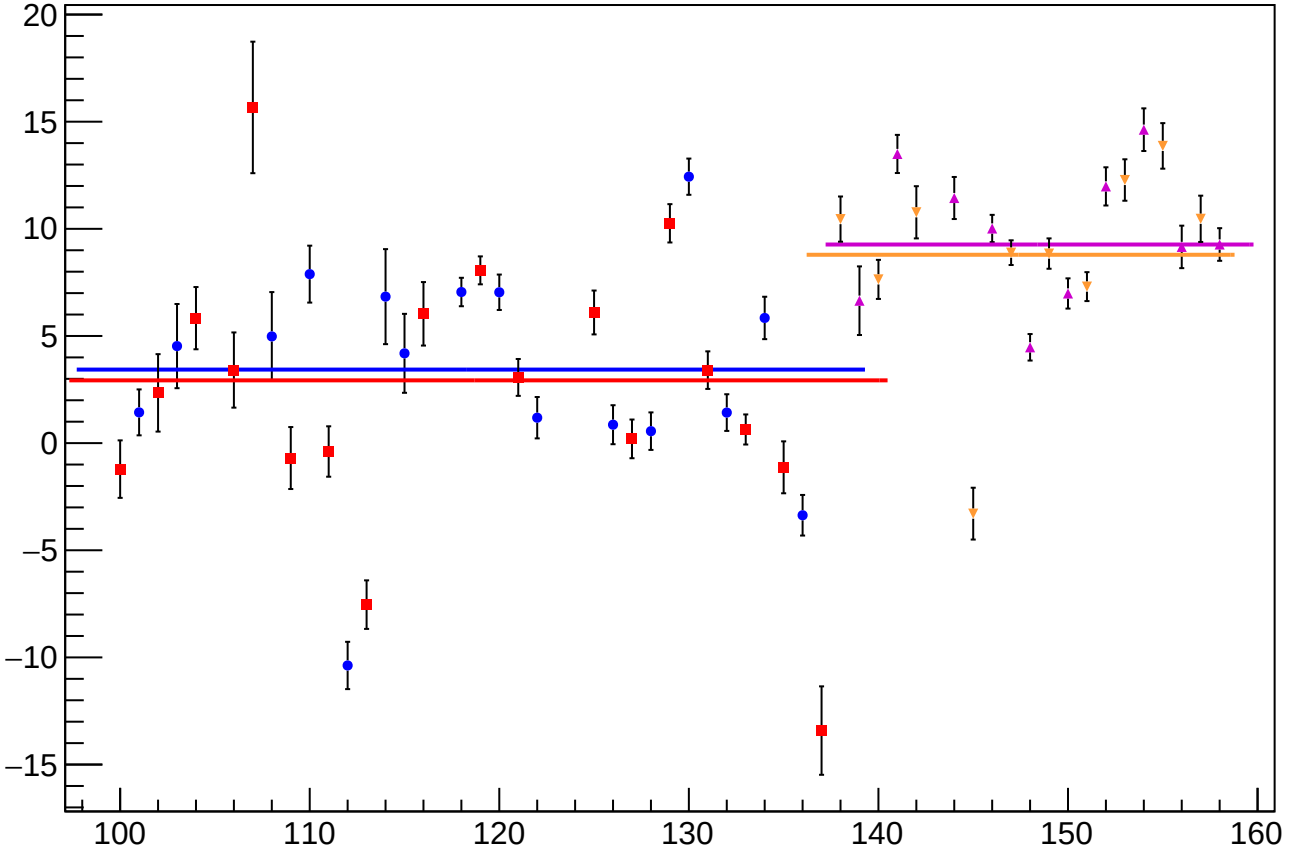
Left In: 12.607+/-0.315 χ^2/NDF:511.9/9

\+ sign 13.759+/-0.198 χ^2/NDF: 3164.2/25

All: 13.975+/-0.138 χ^2/NDF: 6820.1/53

\- sign 14.178+/-0.192 χ^2/NDF: 3653.6/27

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 8.790+/-0.272 χ^2/NDF:149.7/9

Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

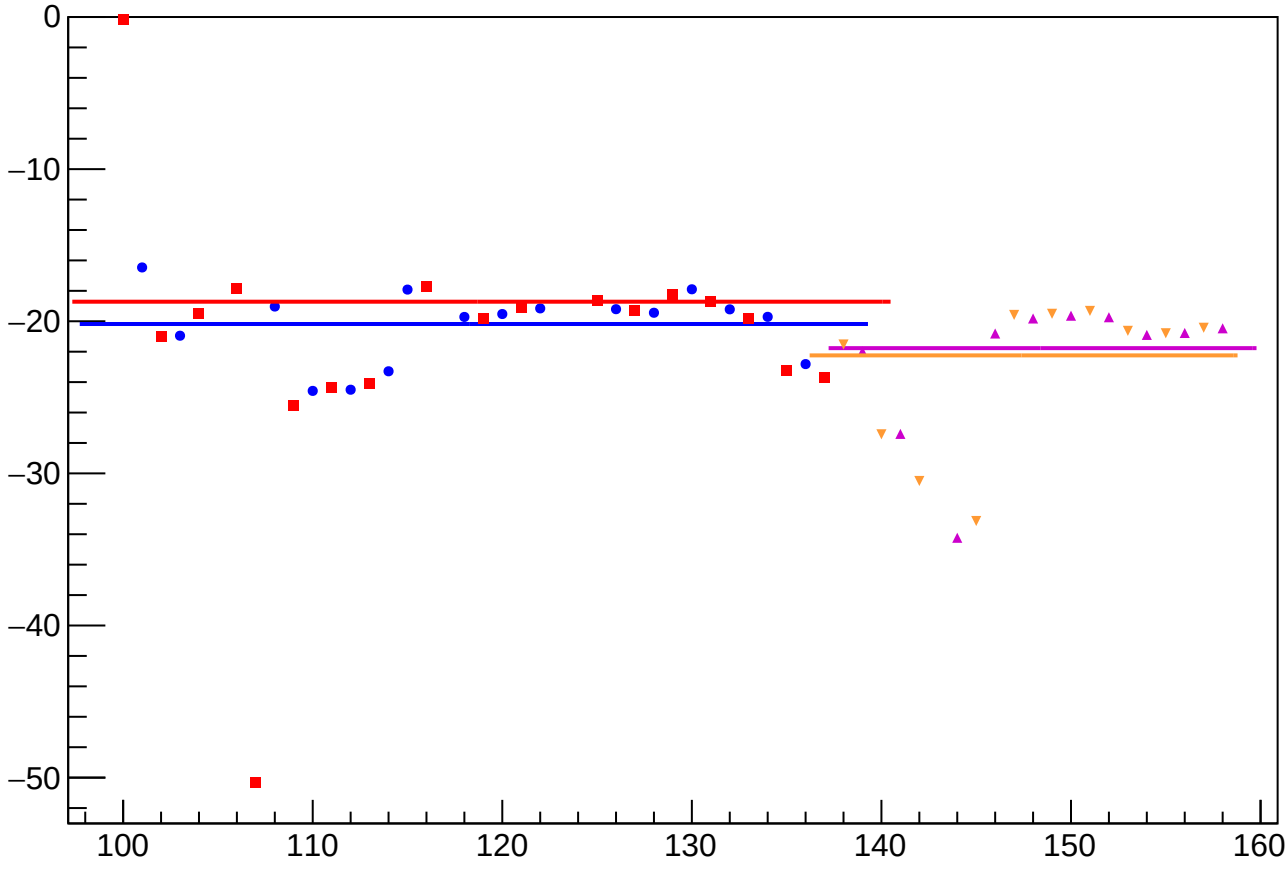
Left In: 9.268+/-0.260 χ^2/NDF:140.4/9

+ sign 5.925+/-0.186 χ^2/NDF: 780.4/25

All: 5.972+/-0.130 χ^2/NDF: 1593.6/53

- sign 6.016+/-0.181 χ^2/NDF: 813.1/27

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -22.243+/-0.013 χ^2/NDF:103071.5/9

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

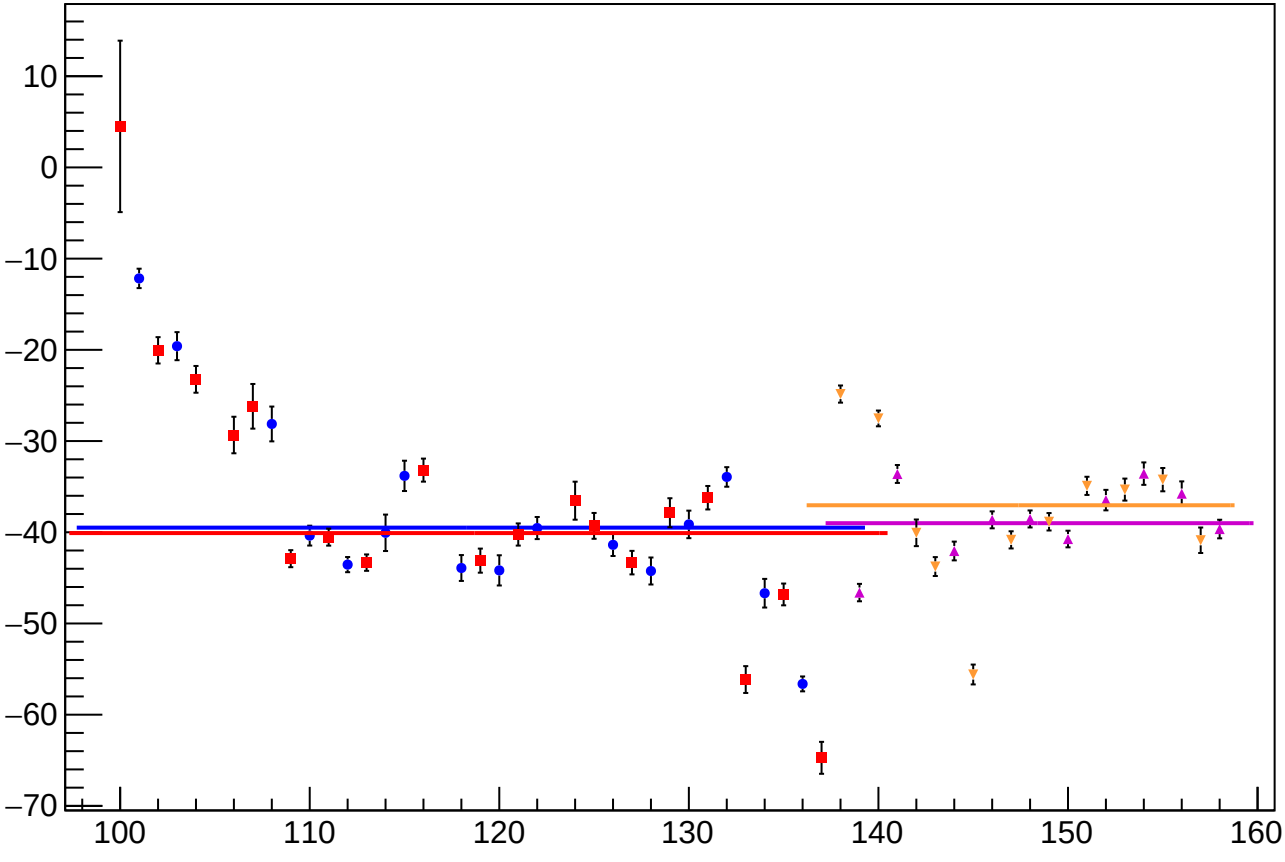
Left In: -21.767+/-0.012 χ^2/NDF:86507.9/9

+ sign -21.425+/-0.010 χ^2/NDF: 132894.1/25

All: -21.003+/-0.007 χ^2/NDF: 481495.5/53

- sign -20.630+/-0.009 χ^2/NDF: 345319.1/27

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -39.493+/-0.311 χ^2/NDF: 1417.1/15

Left Out: -37.039+/-0.320 χ^2/NDF:664.7/10

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

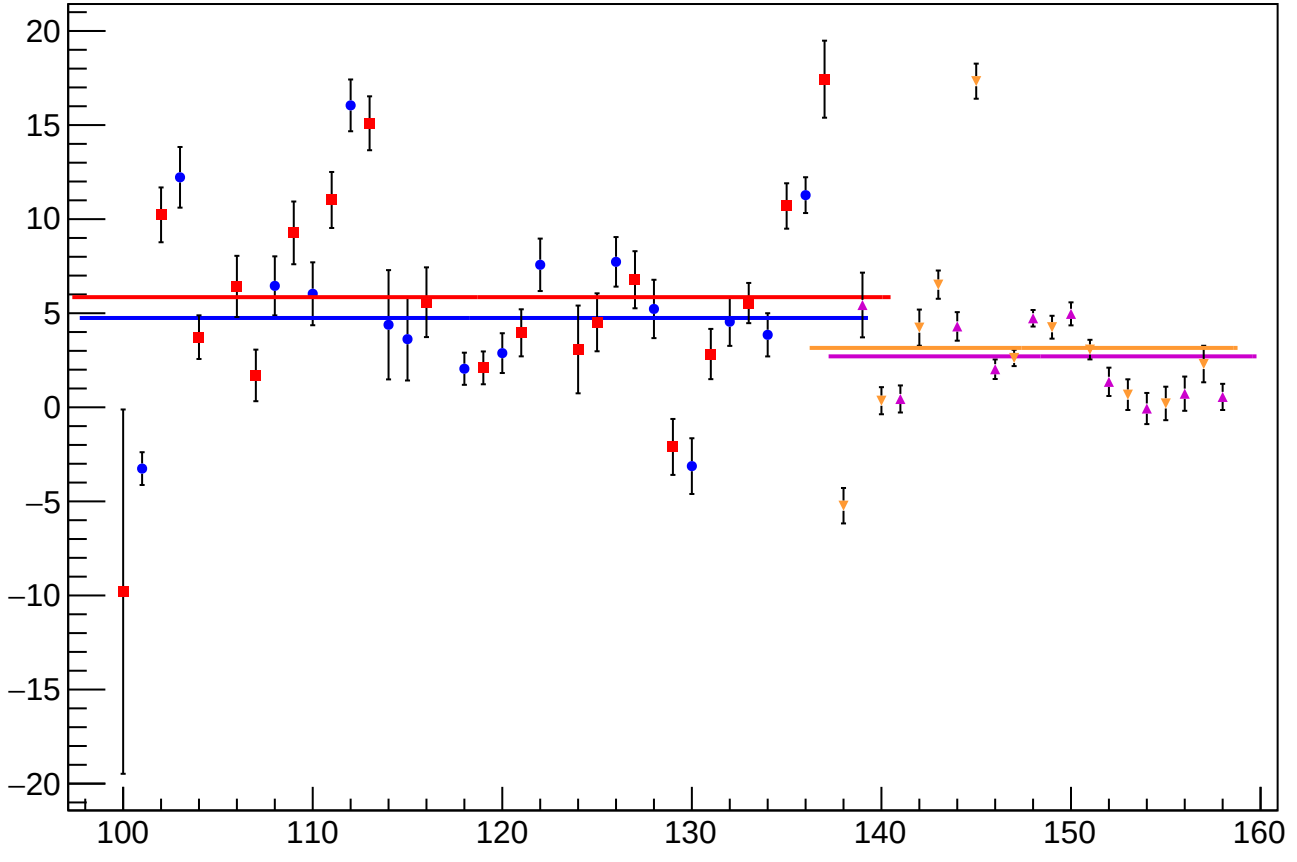
Left In: -39.005+/-0.323 χ^2/NDF:137.2/9

+ sign -38.303+/-0.223 χ^2/NDF: 2112.1/26

All: -38.940+/-0.158 χ^2/NDF: 3106.4/55

- sign -39.575+/-0.223 χ^2/NDF: 978.1/28

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: 3.156+/-0.210 χ^2/NDF:372.8/10

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

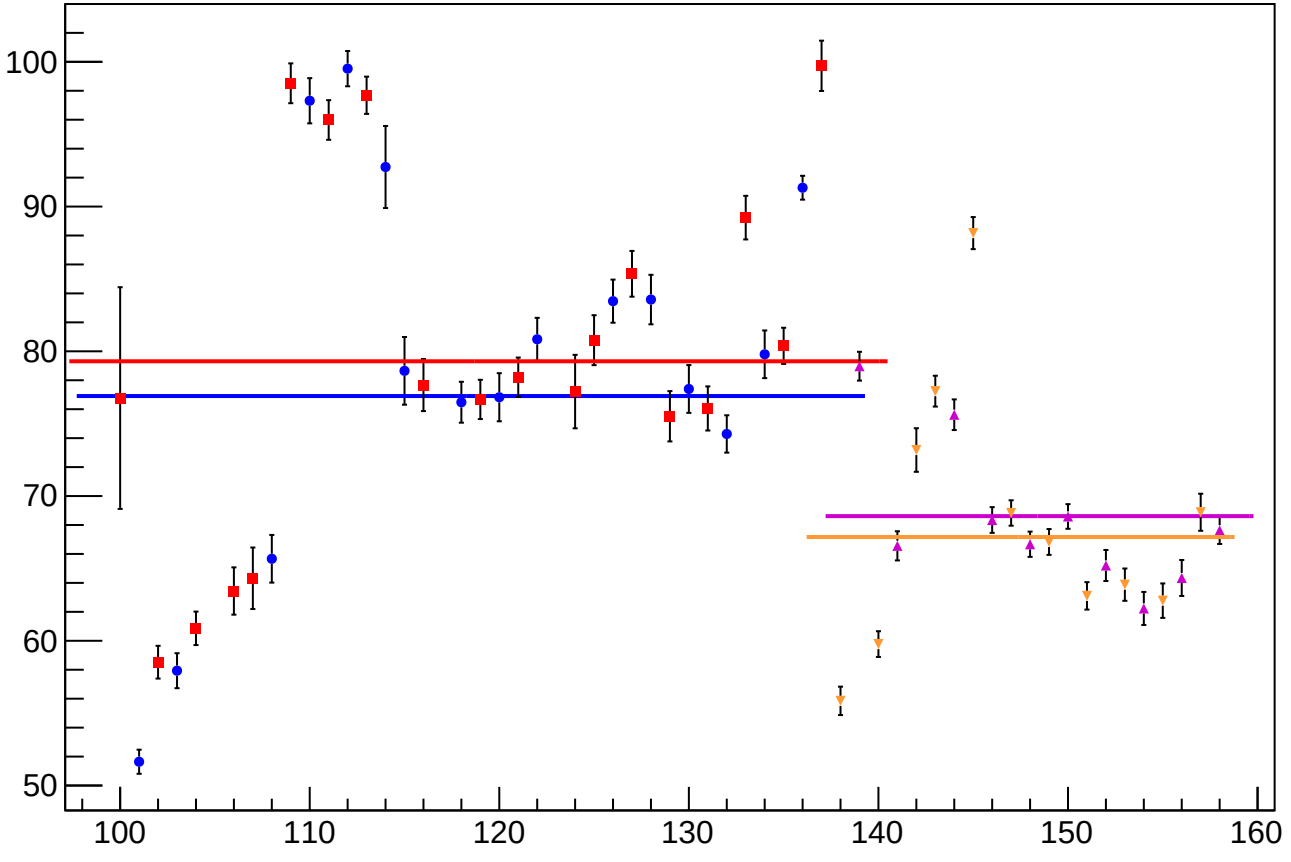
Left In: 2.708+/-0.213 χ^2/NDF:82.2/9

\+ sign 3.645+/-0.175 χ^2/NDF: 664.2/26

All: 3.651+/-0.125 χ^2/NDF: 1000.0/55

\- sign 3.657+/-0.178 χ^2/NDF: 335.8/28

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 67.171+/-0.313 χ^2/NDF:713.0/10

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

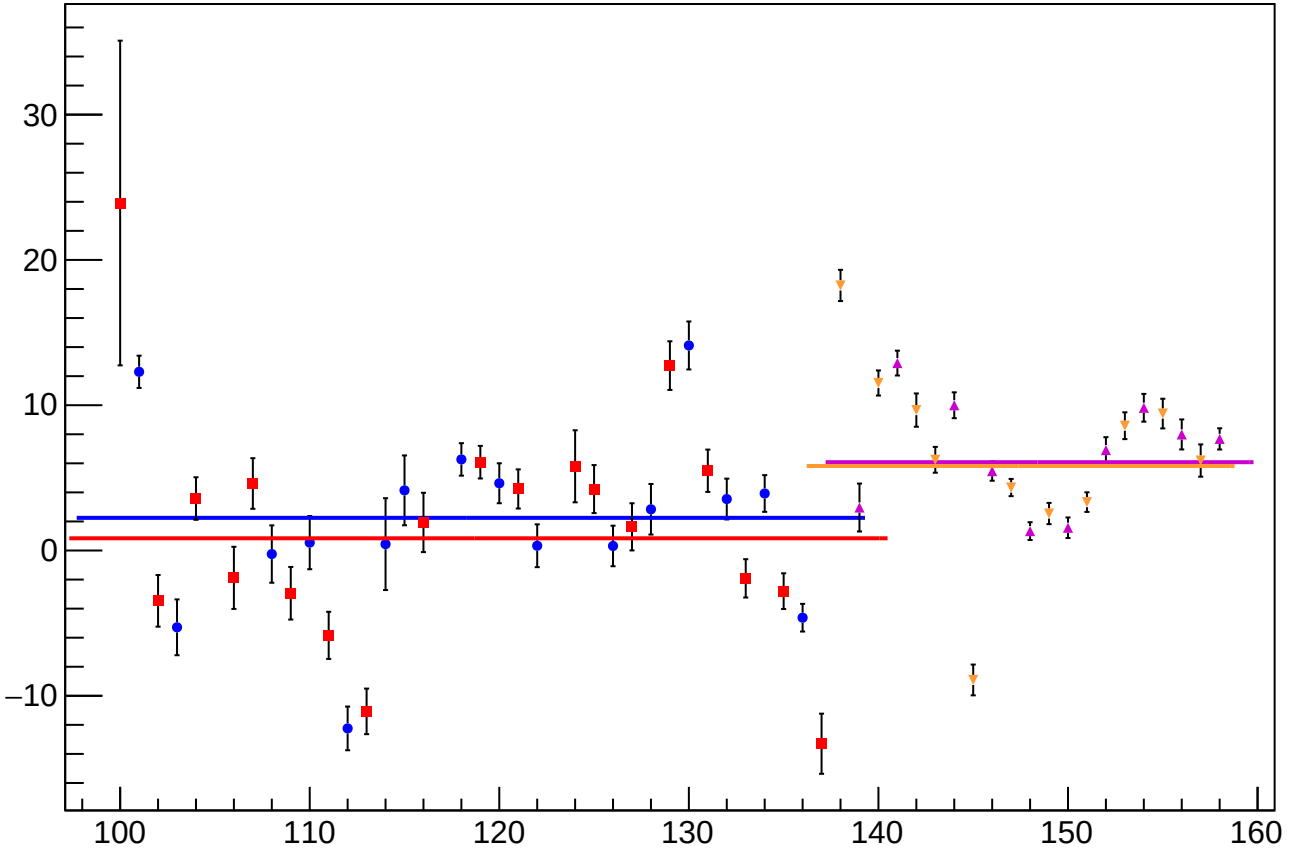
Left In: 68.612+/-0.312 χ^2/NDF:215.6/9

+ sign 71.679+/-0.229 χ^2/NDF: 3277.8/26

All: 72.520+/-0.163 χ^2/NDF: 5541.0/55

- sign 73.384+/-0.232 χ^2/NDF: 2235.9/28

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 2.248+/-0.363 χ^2/NDF: 319.6/15

Left Out: 5.816+/-0.258 χ^2/NDF:443.4/10

Right Out: 0.840+/-0.372 χ^2/NDF: 256.2/18

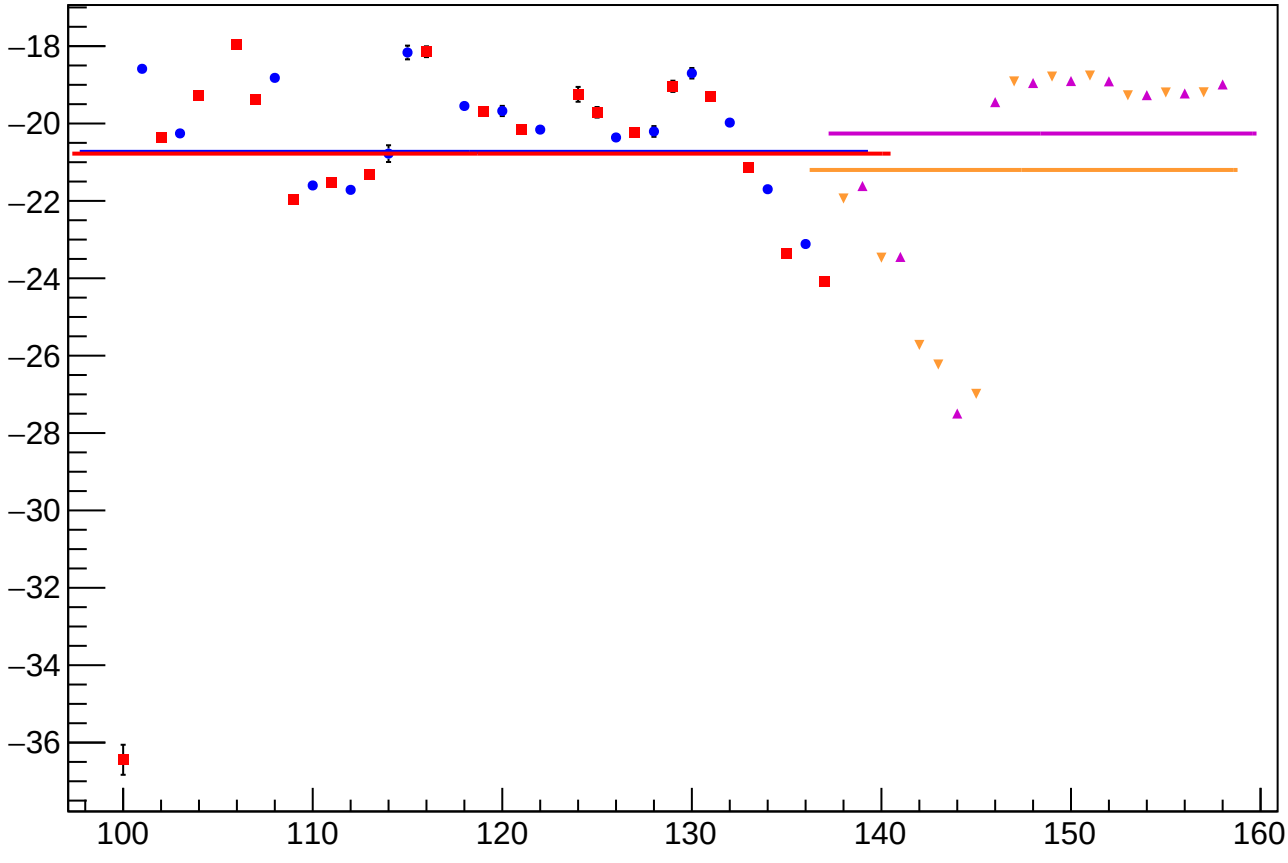
Left In: 6.079+/-0.257 χ^2/NDF:212.8/9

+ sign 4.616+/-0.211 χ^2/NDF: 827.1/26

All: 4.501+/-0.149 χ^2/NDF: 1430.8/55

- sign 4.385+/-0.212 χ^2/NDF: 603.1/28

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -21.200+/-0.012 χ^2/NDF:58484.3/10

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

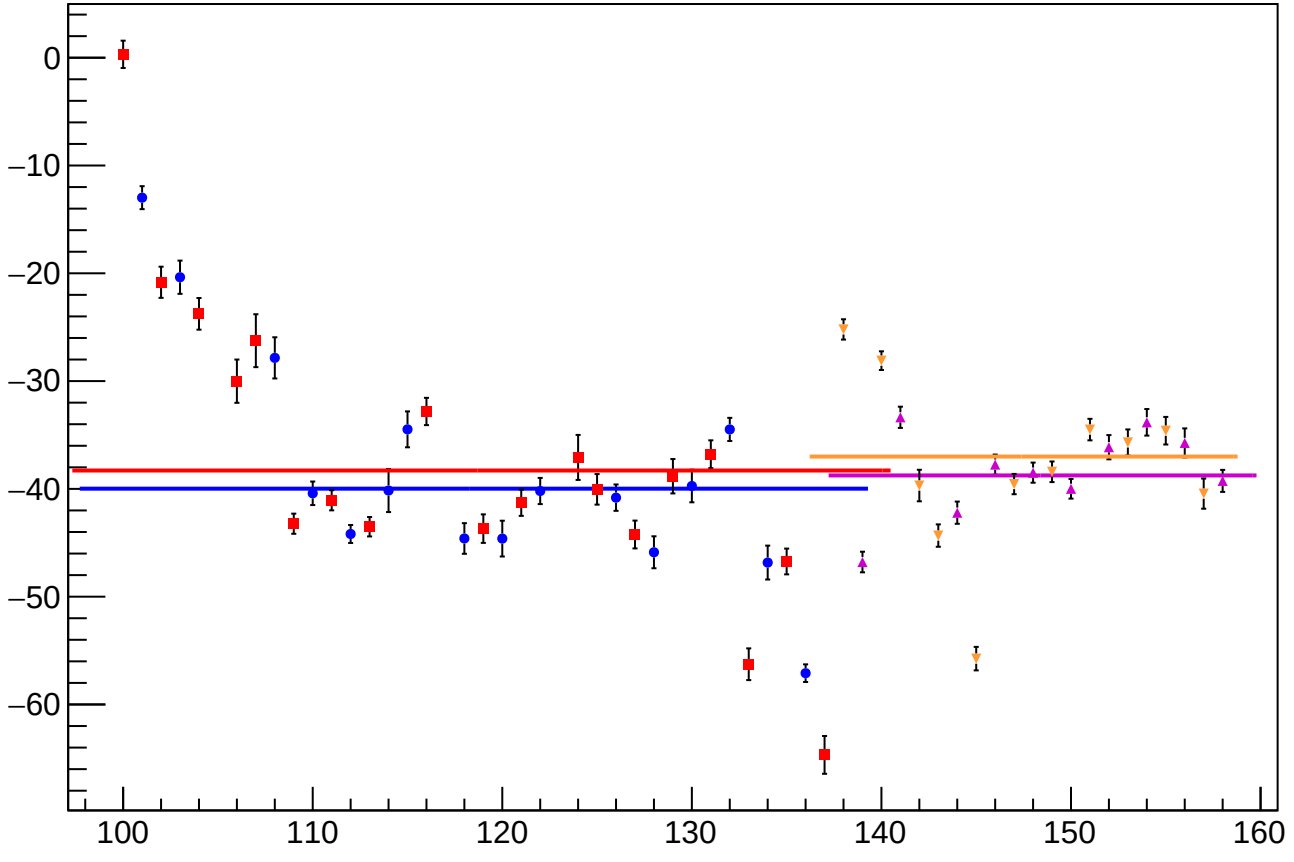
Left In: -20.259+/-0.012 χ^2/NDF:38155.5/9

+ sign -21.065+/-0.010 χ^2/NDF: 66531.2/26

All: -20.723+/-0.007 χ^2/NDF: 116720.3/55

- sign -20.393+/-0.010 χ^2/NDF: 48073.6/28

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -39.979+/-0.311 χ^2/NDF: 1398.4/15

Left Out: -37.000+/-0.321 χ^2/NDF:637.5/10

Right Out: -38.295+/-0.299 χ^2/NDF: 1773.8/18

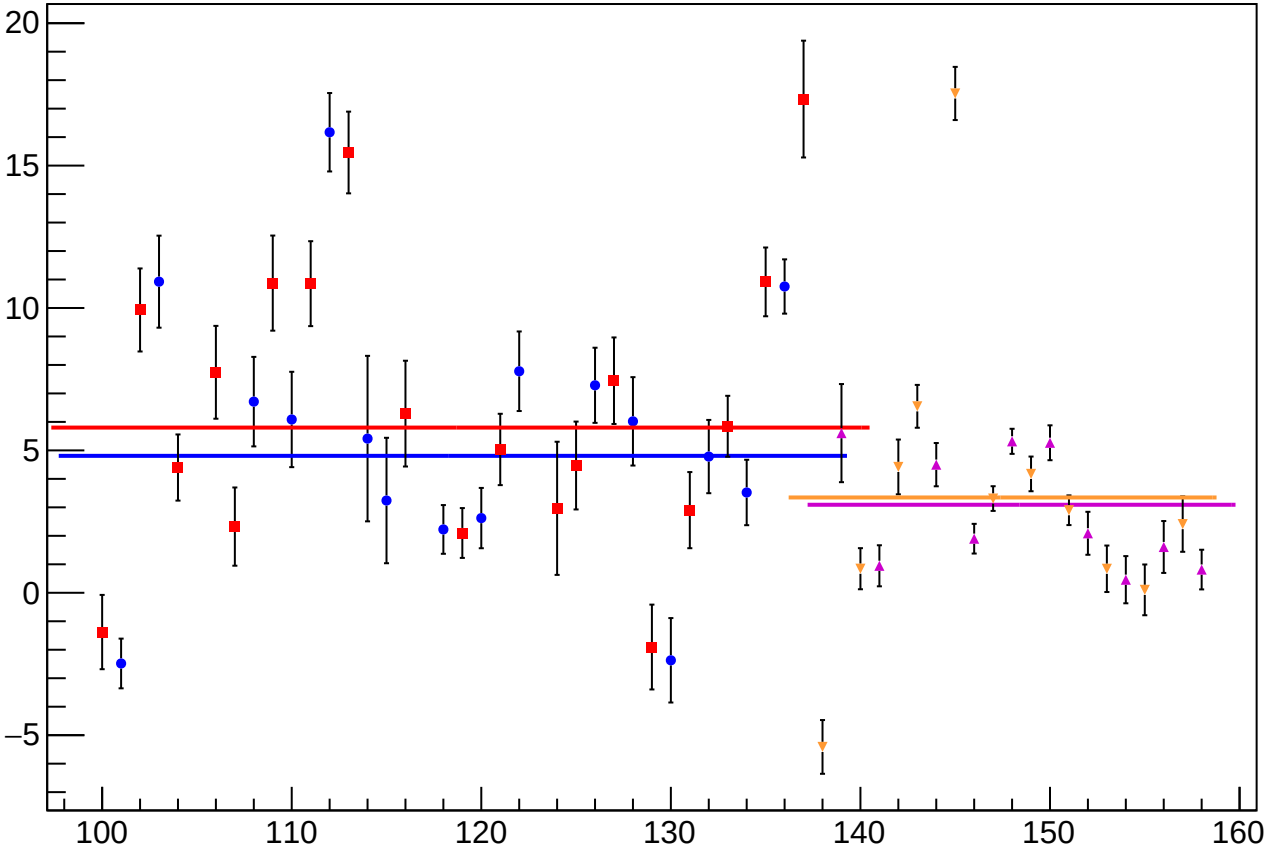
Left In: -38.752+/-0.324 χ^2/NDF:141.5/9

+ sign -38.535+/-0.223 χ^2/NDF: 2080.4/26

All: -38.520+/-0.157 χ^2/NDF: 3996.7/55

- sign -38.505+/-0.220 χ^2/NDF: 1916.3/28

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 4.808+/-0.316 χ^2/NDF: 240.5/15

Left Out: 3.347+/-0.211 χ^2/NDF:374.6/10

Right Out: 5.801+/-0.315 χ^2/NDF: 216.4/18

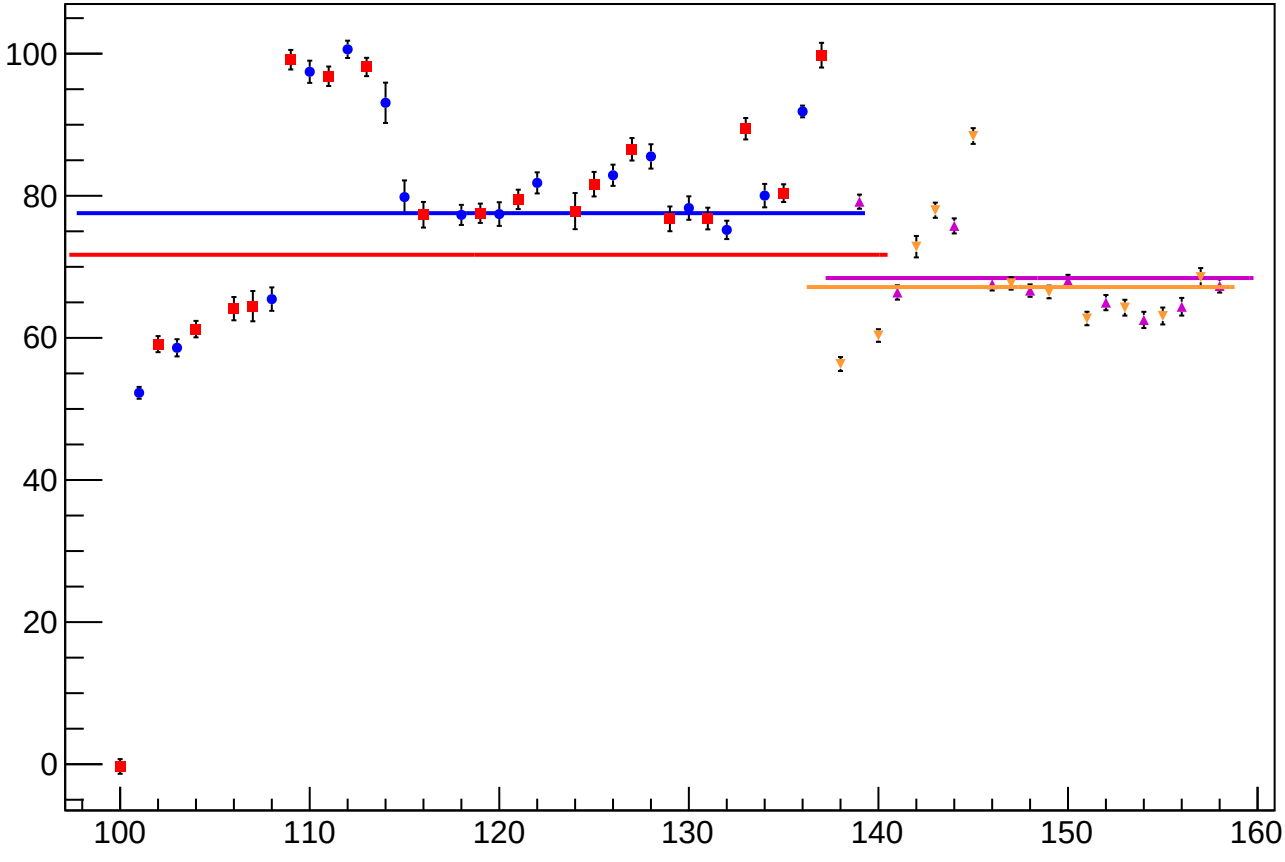
Left In: 3.091+/-0.213 χ^2/NDF:83.0/9

+ sign 3.795+/-0.175 χ^2/NDF: 629.9/26

All: 3.869+/-0.124 χ^2/NDF: 980.5/55

- sign 3.943+/-0.177 χ^2/NDF: 350.2/28

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 67.155+/-0.313 χ^2/NDF:706.1/10

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

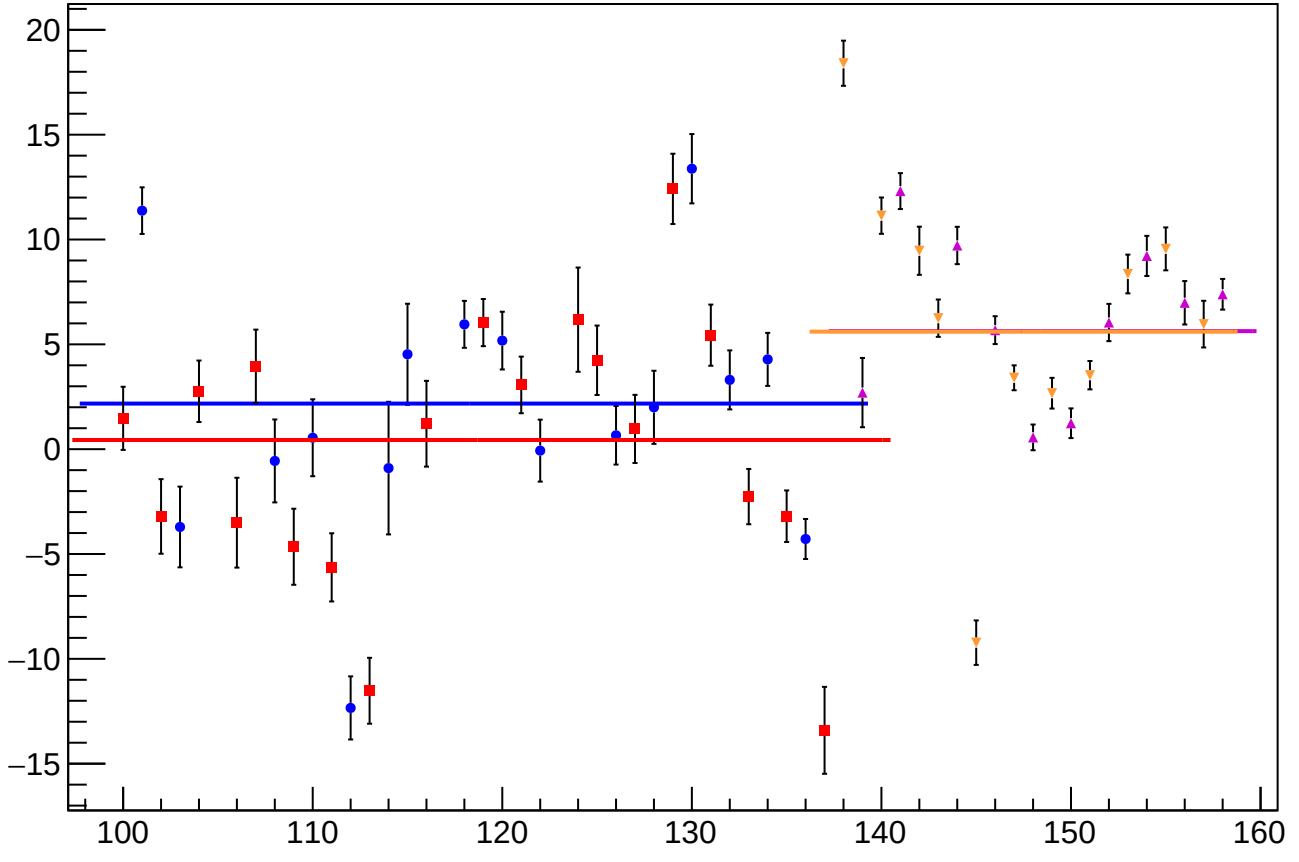
Left In: 68.424+/-0.313 χ^2/NDF:222.2/9

+ sign 71.970+/-0.230 χ^2/NDF: 3334.6/26

All: 70.960+/-0.161 χ^2/NDF: 10550.4/55

- sign 69.971+/-0.227 χ^2/NDF: 7177.6/28

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 2.175+/-0.364 χ^2/NDF: 290.3/15

Left Out: 5.606+/-0.259 χ^2/NDF:452.5/10

Right Out: 0.438+/-0.362 χ^2/NDF: 254.1/18

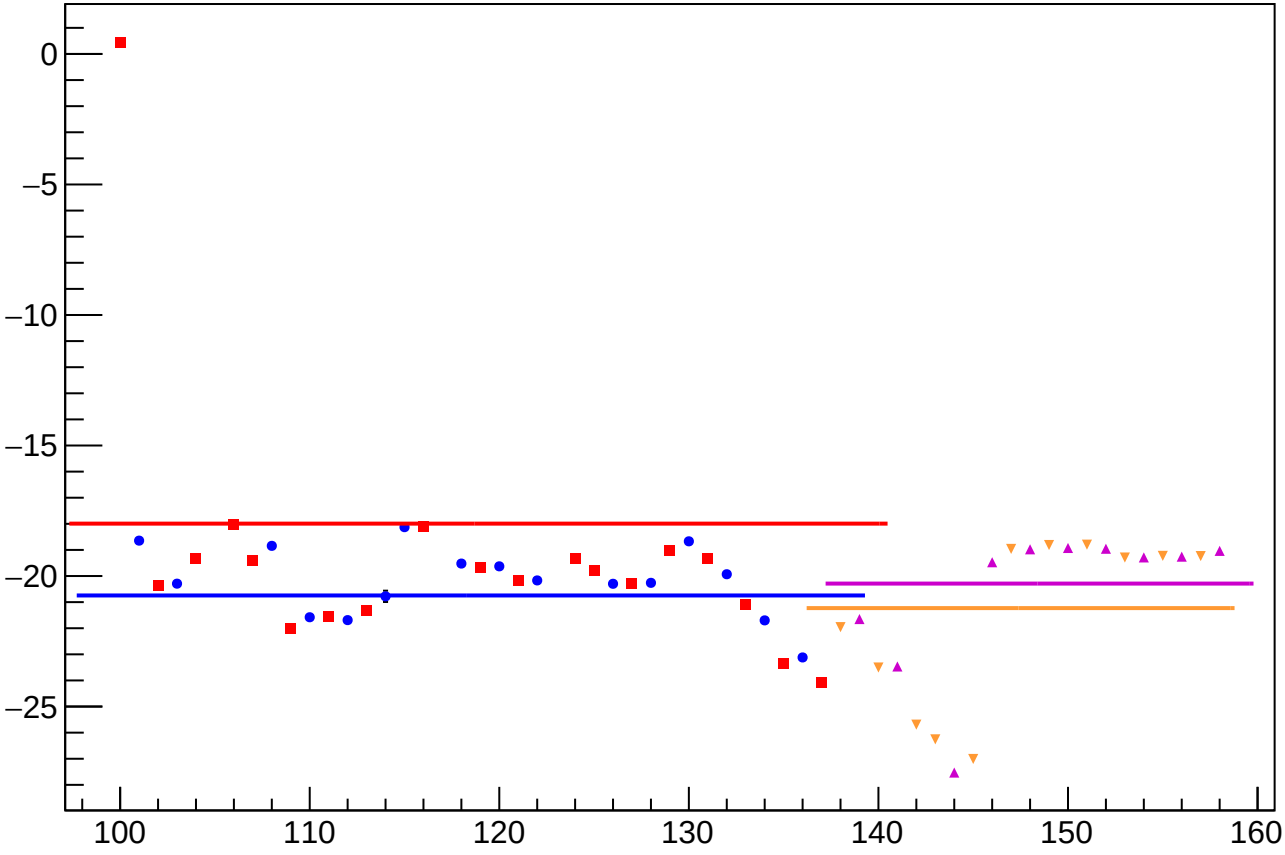
Left In: 5.631+/-0.258 χ^2/NDF:213.5/9

+ sign 4.452+/-0.211 χ^2/NDF: 801.9/26

All: 4.167+/-0.149 χ^2/NDF: 1409.9/55

- sign 3.885+/-0.210 χ^2/NDF: 604.3/28

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.745+/-0.019 χ^2/NDF: 7513.6/15

Left Out: -21.229+/-0.012 χ^2/NDF:58037.5/10

Right Out: -17.993+/-0.019 χ^2/NDF: 150579.1/18

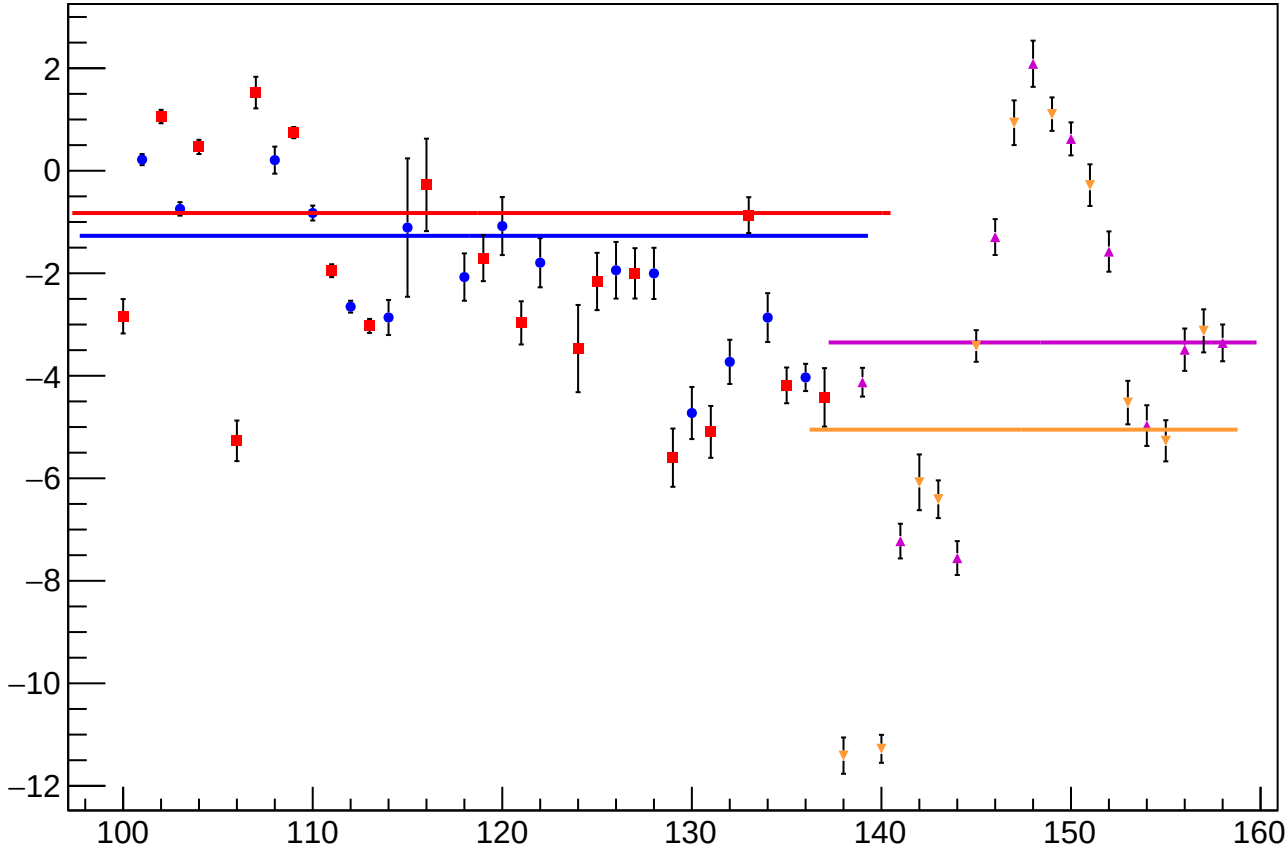
Left In: -20.289+/-0.012 χ^2/NDF:37984.0/9

+ sign -21.089+/-0.010 χ^2/NDF: 65992.1/26

All: -20.336+/-0.007 χ^2/NDF: 275172.9/55

- sign -19.635+/-0.010 χ^2/NDF: 199145.2/28

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -5.051+/-0.111 χ^2/NDF:1593.2/10

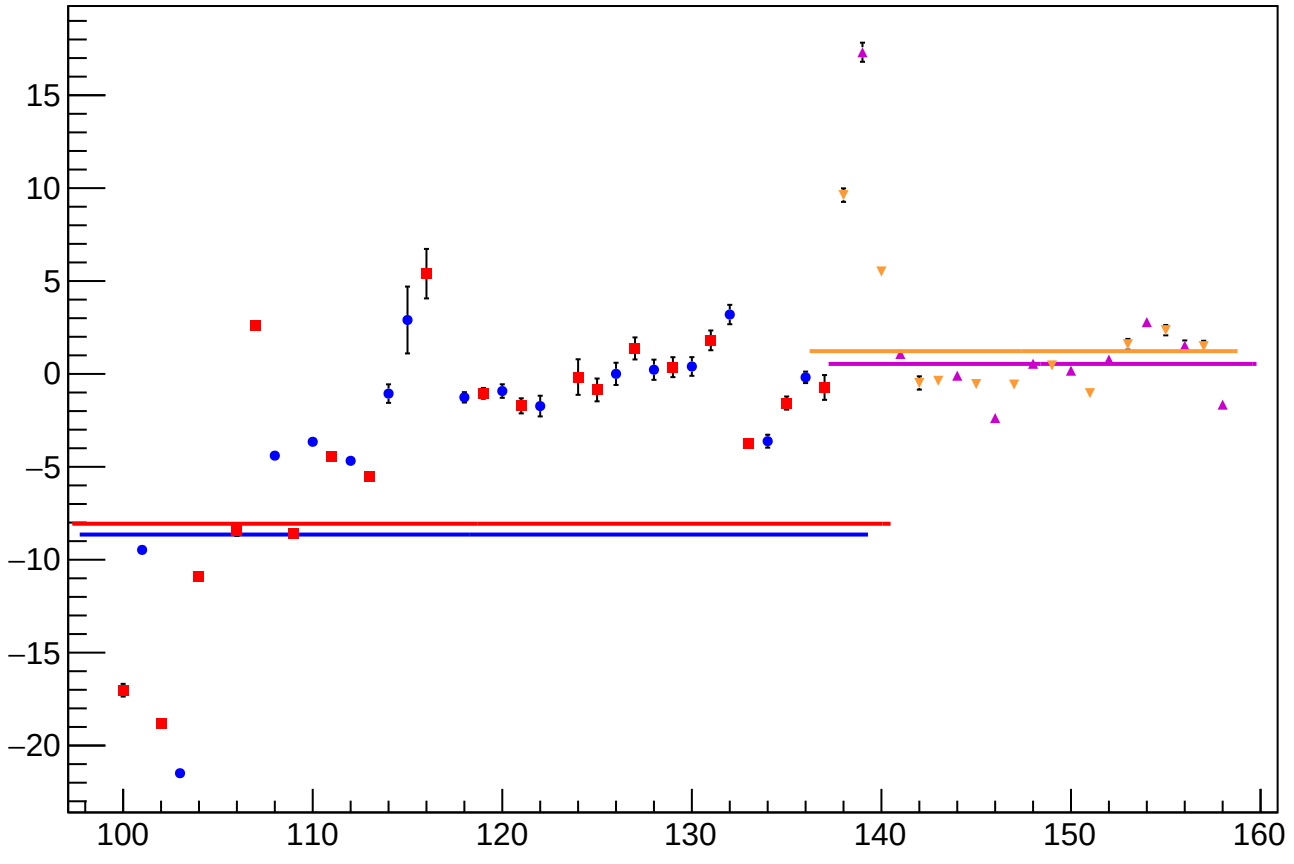
Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

Left In: -3.350+/-0.112 χ^2/NDF:669.8/9

+ sign -2.002+/-0.049 χ^2/NDF: 3141.2/26

All: -1.611+/-0.034 χ^2/NDF: 5737.4/55

- sign -1.259+/-0.046 χ^2/NDF: 2475.0/28



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 1.226+/-0.078 χ^2/NDF:1196.3/10

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

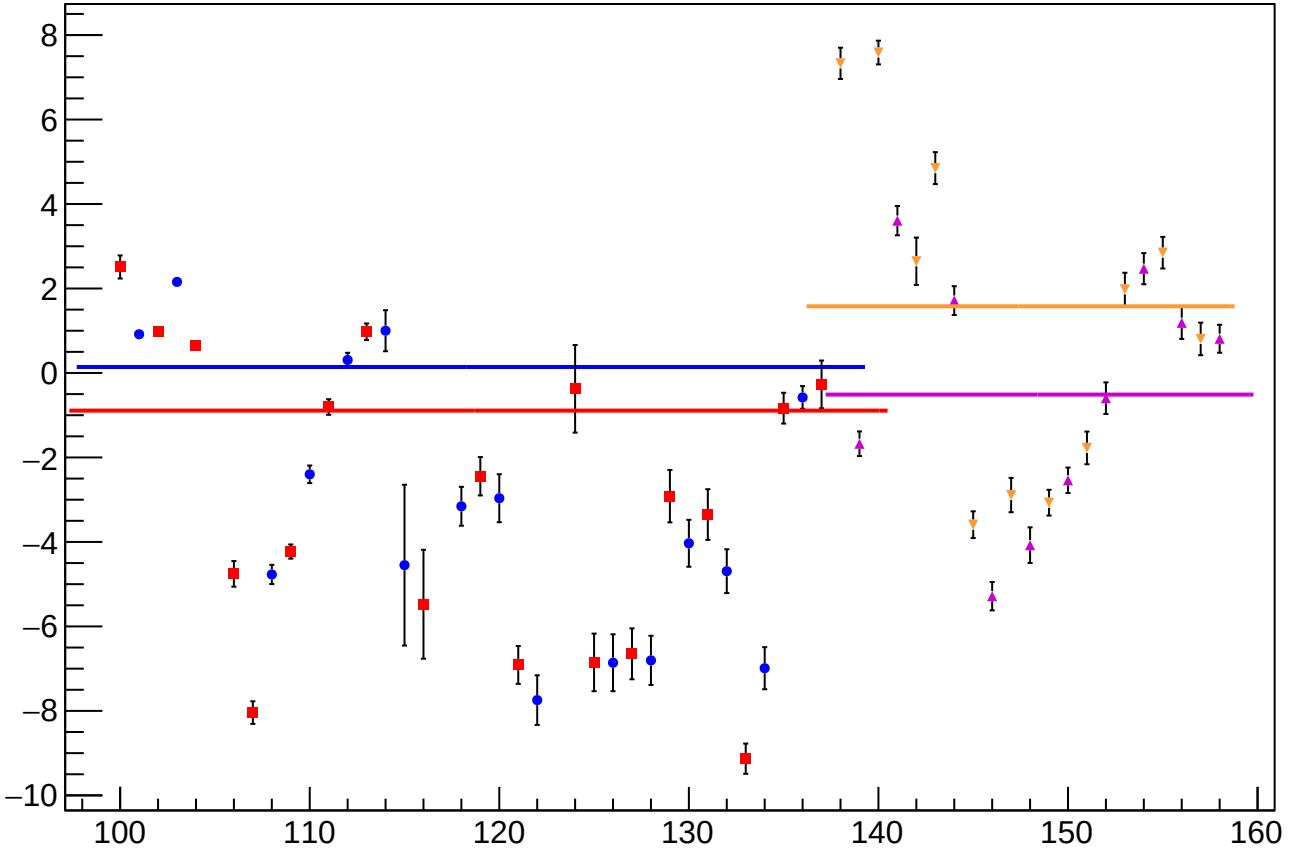
Left In: 0.540+/-0.079 χ^2/NDF:1425.2/9

\+ sign -5.192+/-0.046 χ^2/NDF: 25536.6/26

All: -5.150+/-0.033 χ^2/NDF: 49083.7/55

\- sign -5.106+/-0.047 χ^2/NDF: 23545.4/28

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 1.578+/-0.109 χ^2/NDF:1490.2/10

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

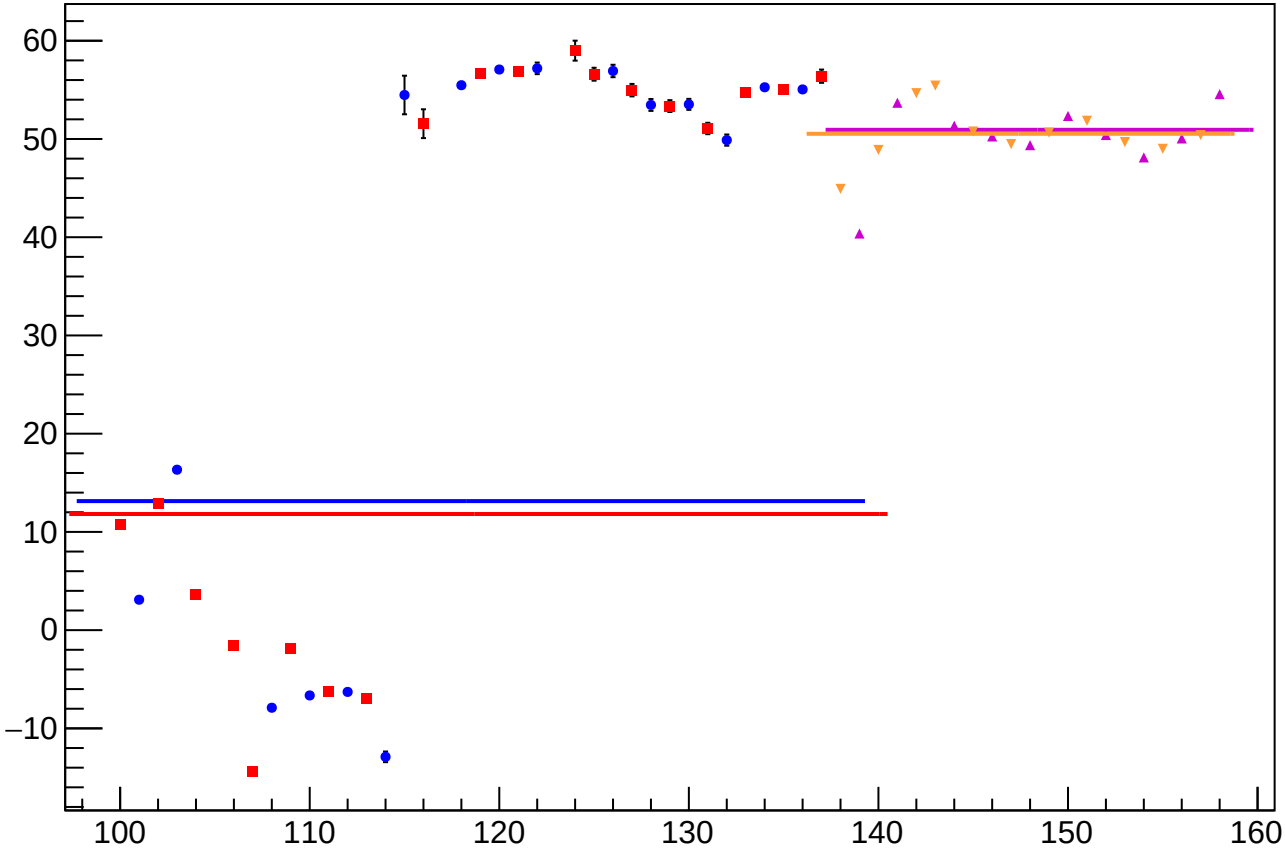
Left In: -0.512+/-0.109 χ^2/NDF:619.0/9

+ sign 0.415+/-0.048 χ^2/NDF: 3590.4/26

All: -0.195+/-0.034 χ^2/NDF: 7536.3/55

- sign -0.817+/-0.048 χ^2/NDF: 3614.5/28

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 50.529+/-0.093 χ^2/NDF:623.1/10

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

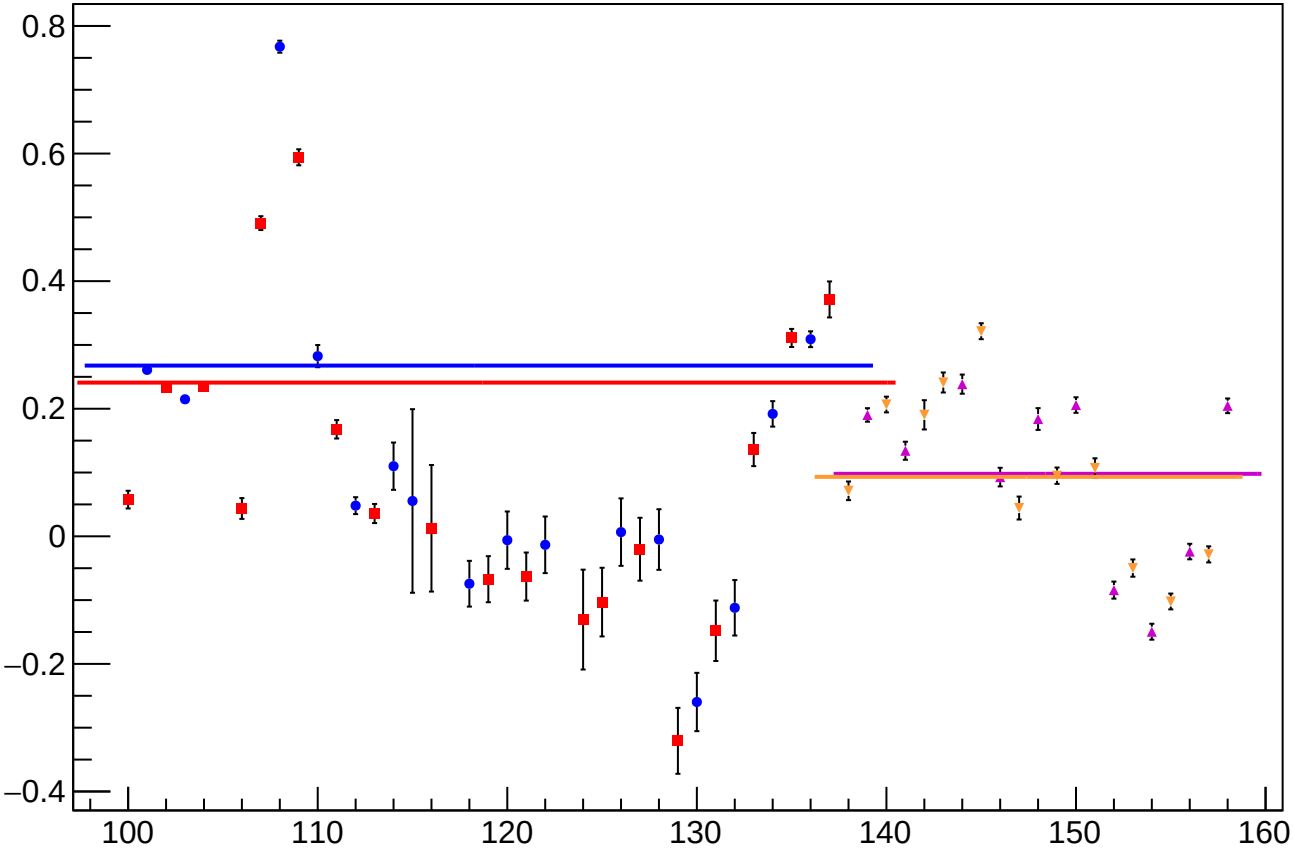
Left In: 50.935+/-0.093 χ^2/NDF:901.9/9

+ sign 26.106+/-0.055 χ^2/NDF: 214259.2/26

All: 25.730+/-0.039 χ^2/NDF: 448397.0/55

- sign 25.354+/-0.055 χ^2/NDF: 234043.9/28

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.268+/-0.003 χ^2/NDF: 3720.4/15

Left Out: 0.093+/-0.004 χ^2/NDF:987.7/10

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

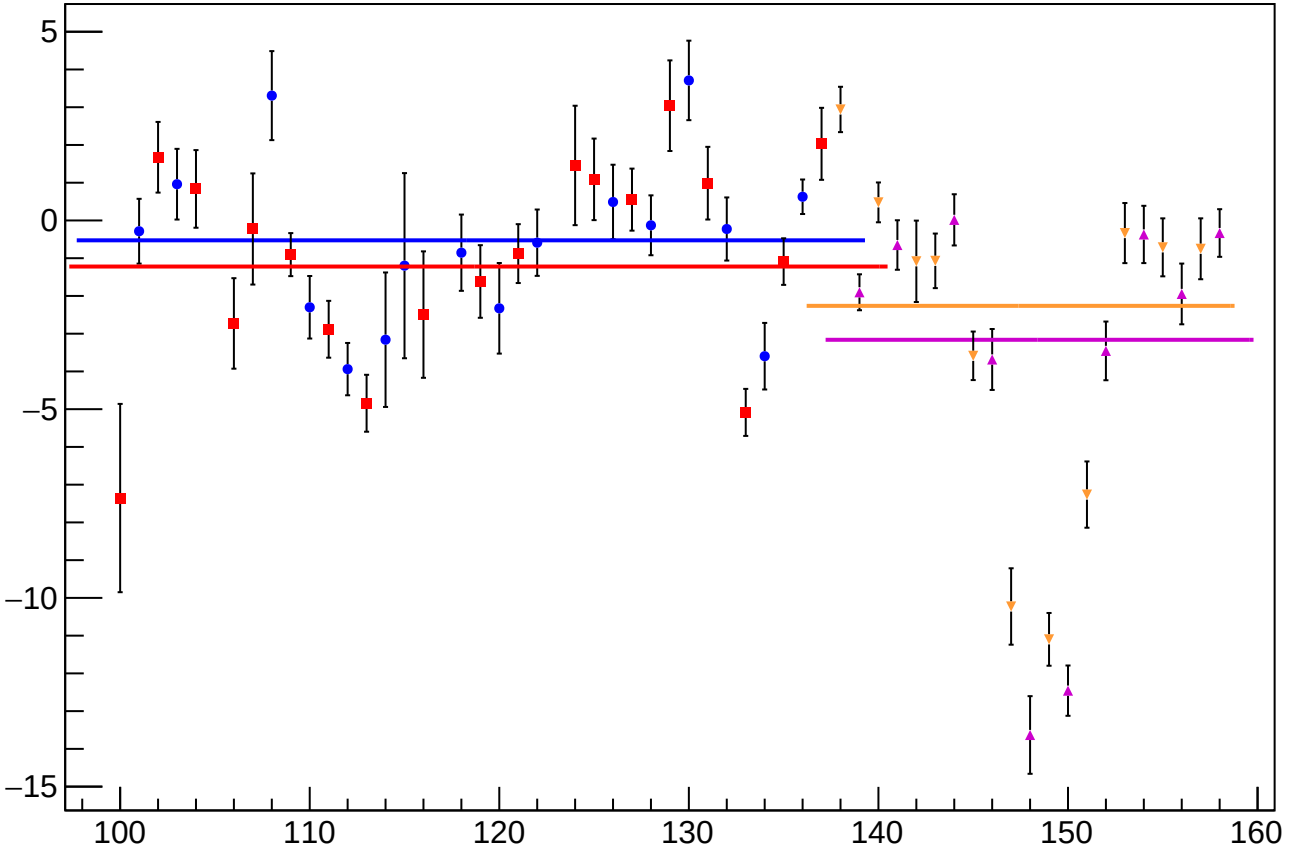
Left In: 0.098+/-0.004 χ^2/NDF:1038.4/9

+ sign 0.215+/-0.002 χ^2/NDF: 5885.7/26

All: 0.206+/-0.002 χ^2/NDF: 10134.8/55

- sign 0.197+/-0.002 χ^2/NDF: 4217.6/28

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: -2.262+/-0.220 χ^2/NDF:377.8/10

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

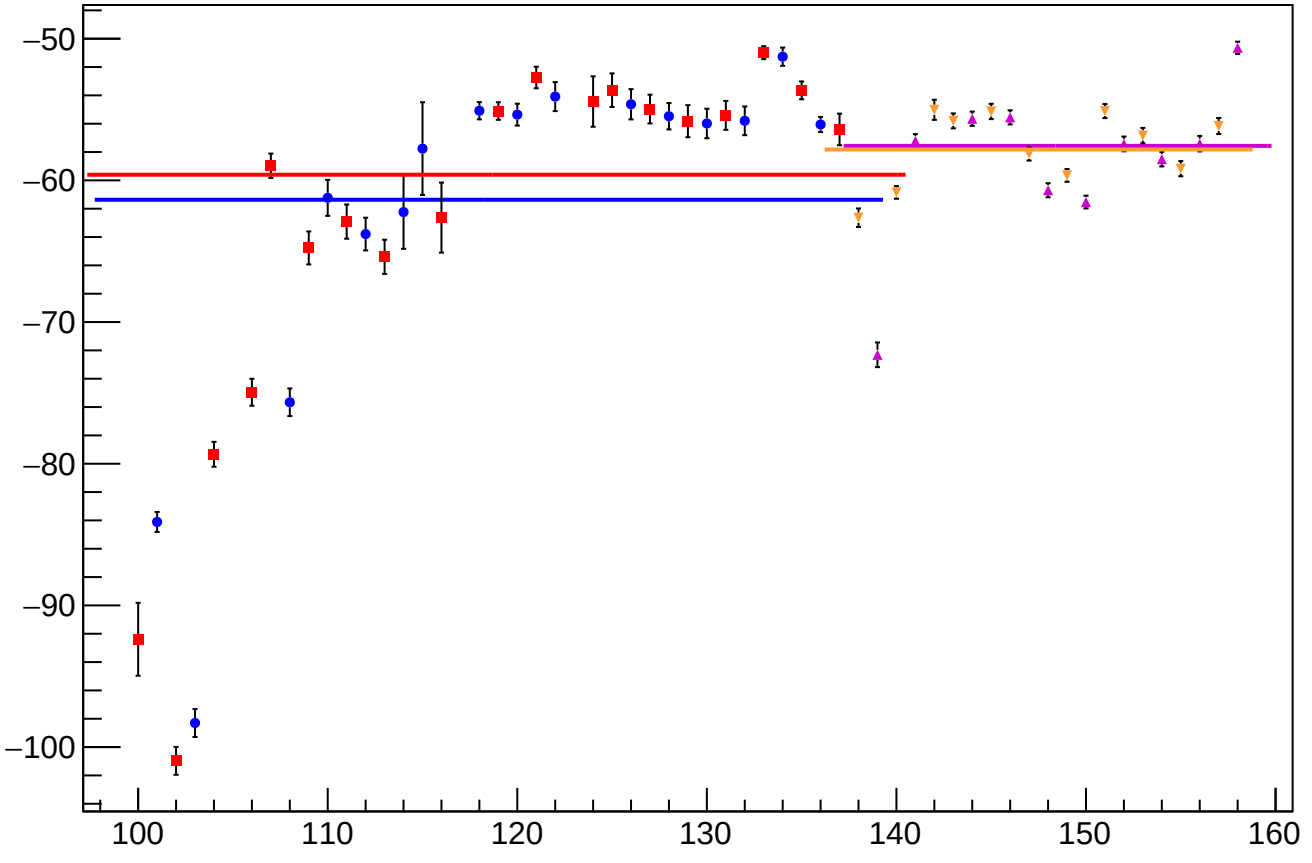
Left In: -3.162+/-0.218 χ^2/NDF:378.3/9

+ sign -1.383+/-0.154 χ^2/NDF: 492.1/26

All: -1.770+/-0.107 χ^2/NDF: 1055.6/55

- sign -2.131+/-0.149 χ^2/NDF: 551.4/28

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -61.367+/-0.219 χ^2/NDF: 3351.2/15

Left Out: -57.822+/-0.158 χ^2/NDF:220.2/10

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

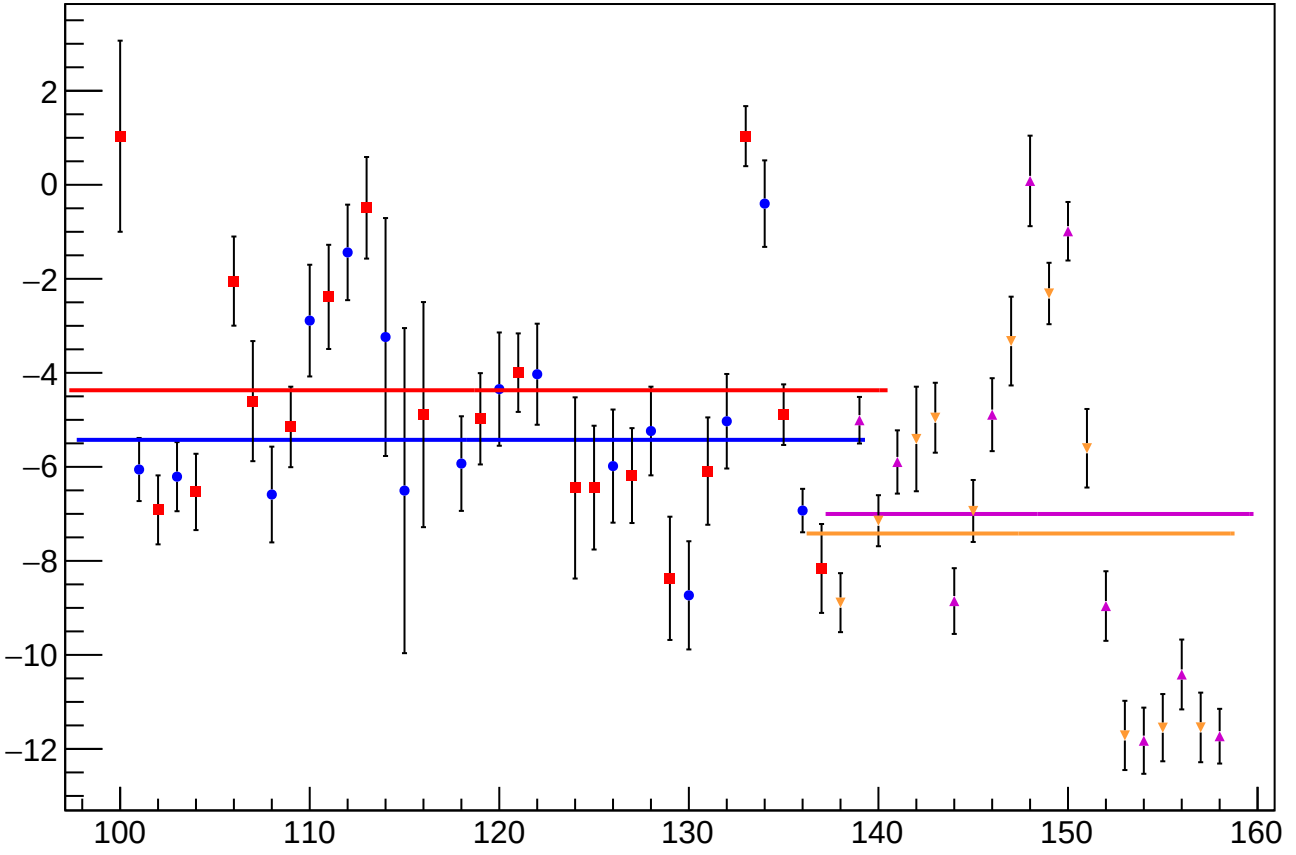
Left In: -57.566+/-0.161 χ^2/NDF:693.8/9

+ sign -59.040+/-0.128 χ^2/NDF: 3743.4/26

All: -58.684+/-0.090 χ^2/NDF: 7934.0/55

- sign -58.335+/-0.127 χ^2/NDF: 4175.4/28

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -7.418+/-0.216 χ^2/NDF:203.5/10

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

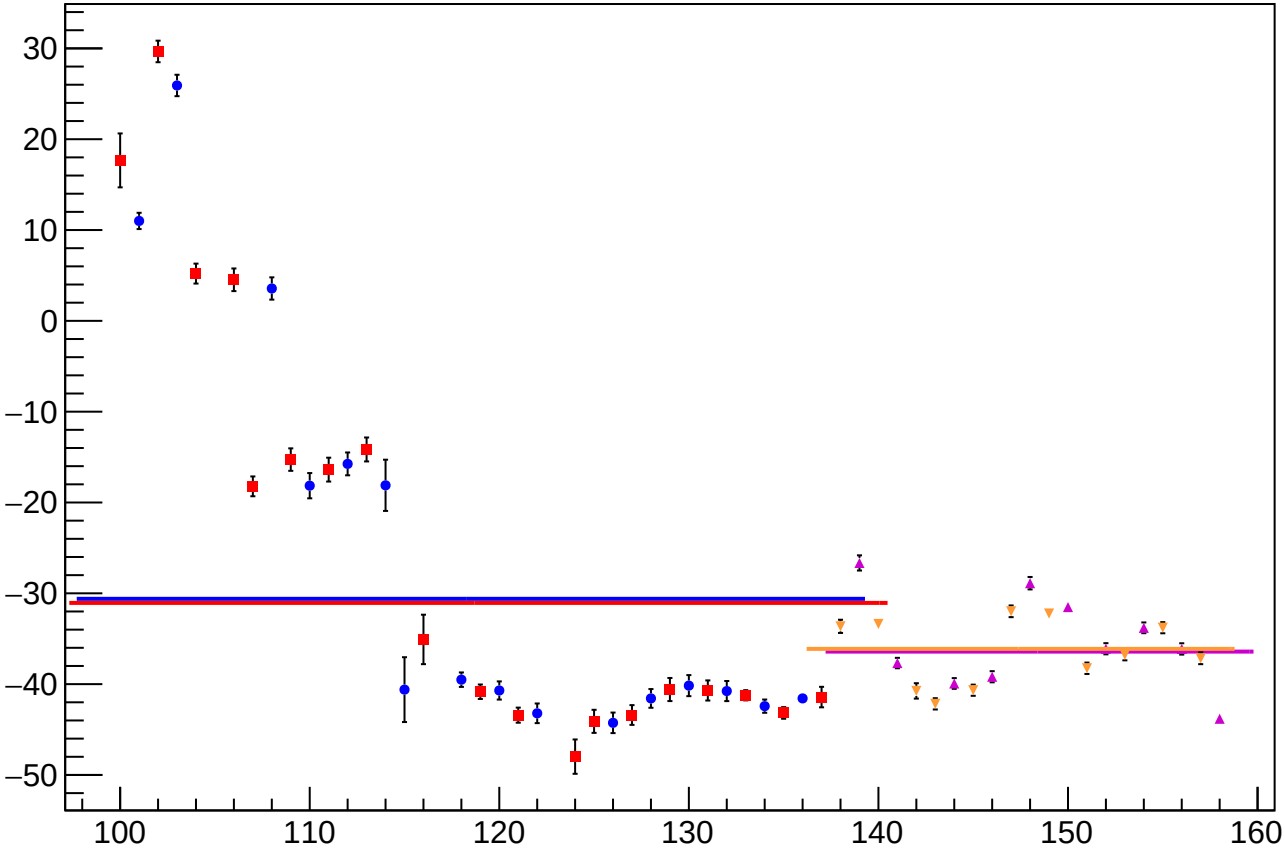
Left In: -7.002+/-0.212 χ^2/NDF:321.8/9

+ sign -6.482+/-0.158 χ^2/NDF: 319.3/26

All: -6.107+/-0.110 χ^2/NDF: 882.2/55

- sign -5.750+/-0.153 χ^2/NDF: 551.8/28

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -30.605+/-0.249 χ^2/NDF: 6938.0/15

Left Out: -36.117+/-0.189 χ^2/NDF:340.6/10

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

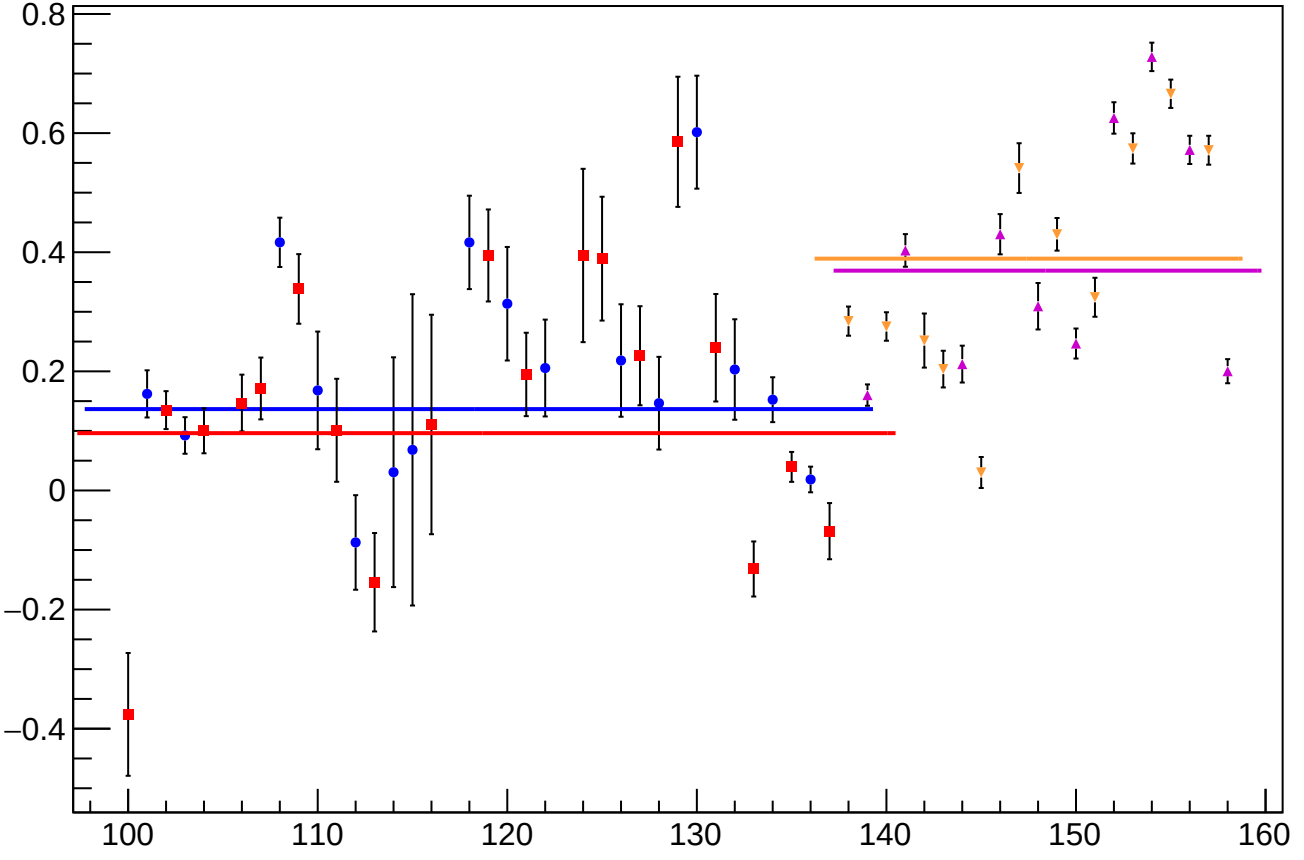
Left In: -36.418+/-0.186 χ^2/NDF:692.0/9

+ sign -34.112+/-0.150 χ^2/NDF: 7589.4/26

All: -34.247+/-0.105 χ^2/NDF: 15574.4/55

- sign -34.376+/-0.147 χ^2/NDF: 7983.4/28

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.137+/-0.013 χ^2/NDF: 129.2/15

Left Out: 0.389+/-0.008 χ^2/NDF:541.3/10

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

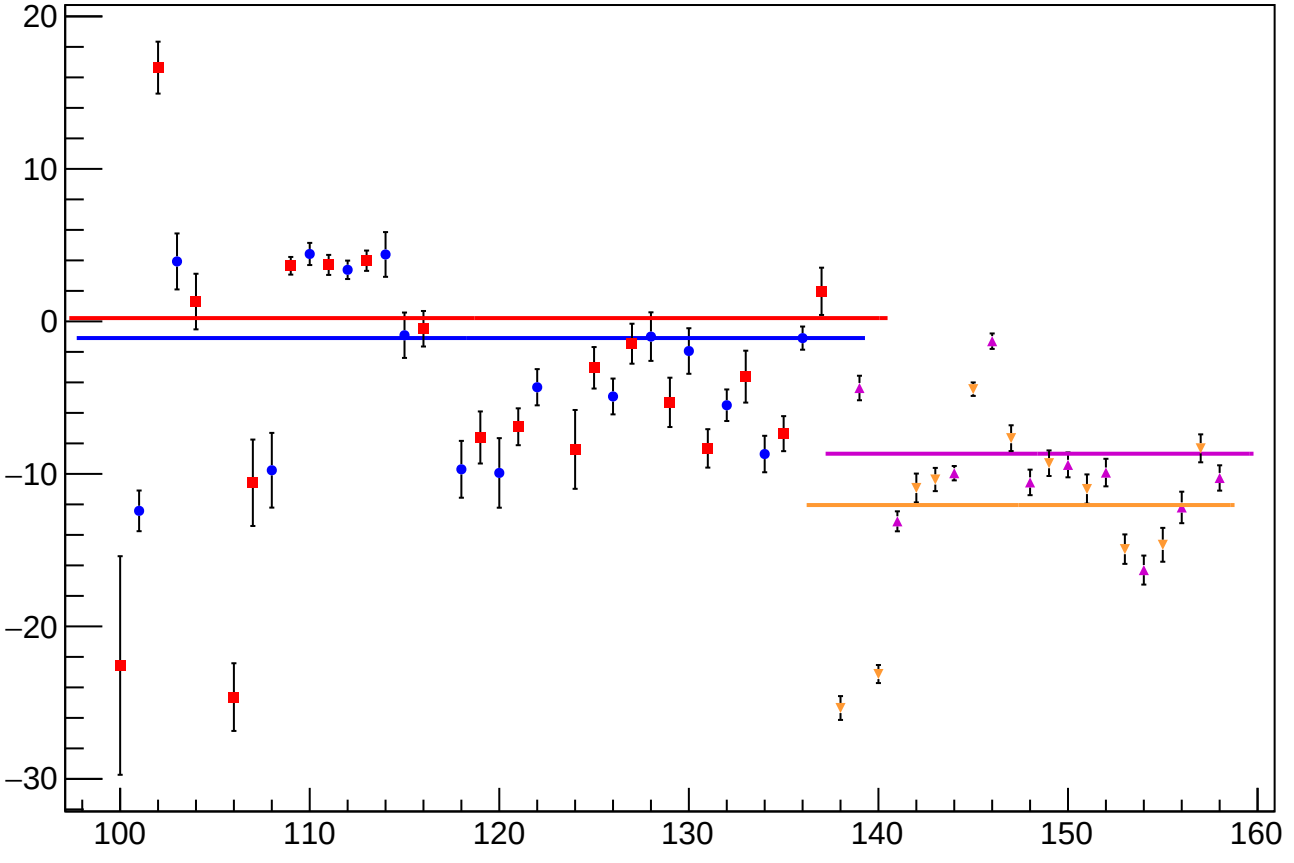
Left In: 0.369+/-0.008 χ^2/NDF:655.5/9

+ sign 0.311+/-0.007 χ^2/NDF: 952.5/26

All: 0.300+/-0.005 χ^2/NDF: 2107.2/55

- sign 0.290+/-0.007 χ^2/NDF: 1149.7/28

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -12.042+/-0.227 χ^2/NDF:1012.2/10

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

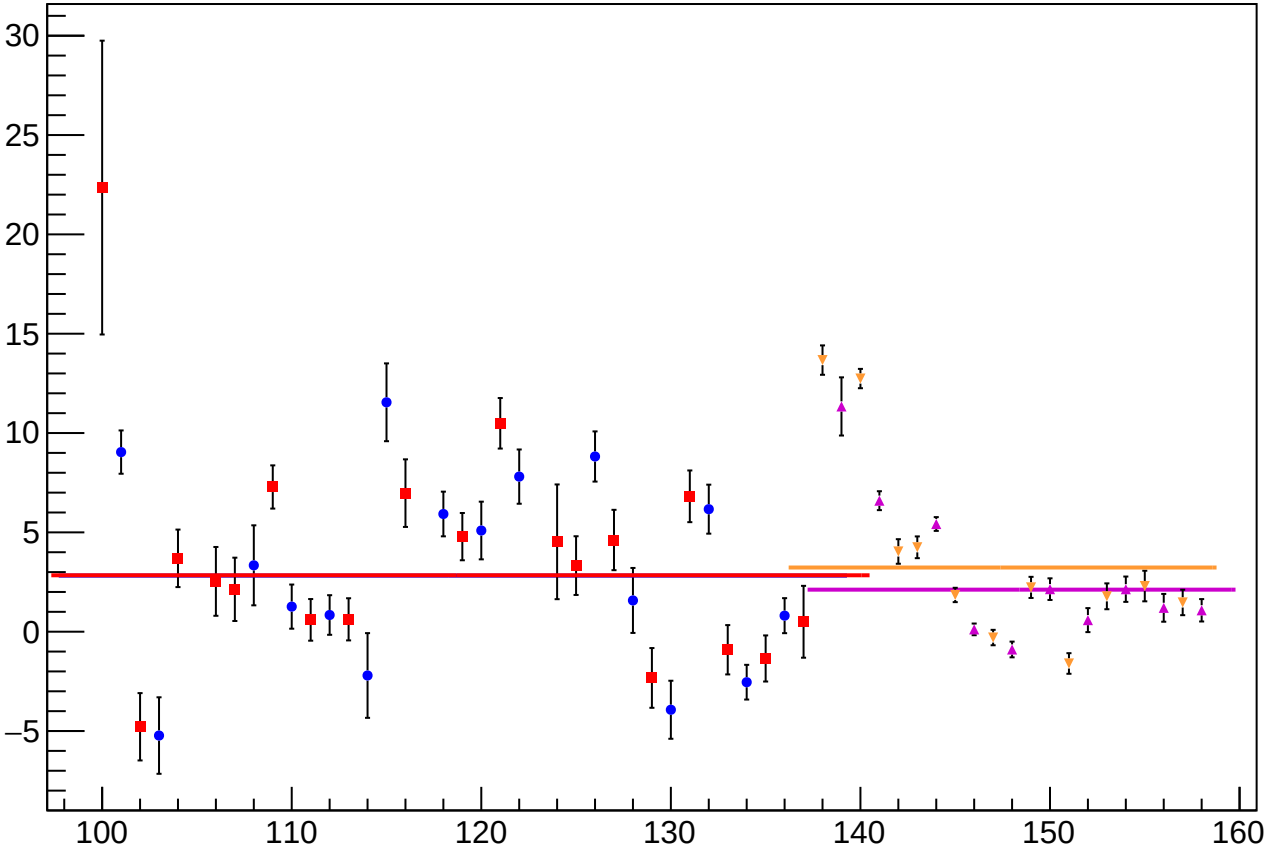
Left In: -8.676+/-0.224 χ^2/NDF:381.3/9

+ sign -7.714+/-0.176 χ^2/NDF: 2265.3/26

All: -6.313+/-0.123 χ^2/NDF: 3943.5/55

- sign -4.989+/-0.171 χ^2/NDF: 1555.3/28

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 2.823+/-0.313 χ^2/NDF: 199.6/15

Left Out: 3.230+/-0.158 χ^2/NDF:788.2/10

Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

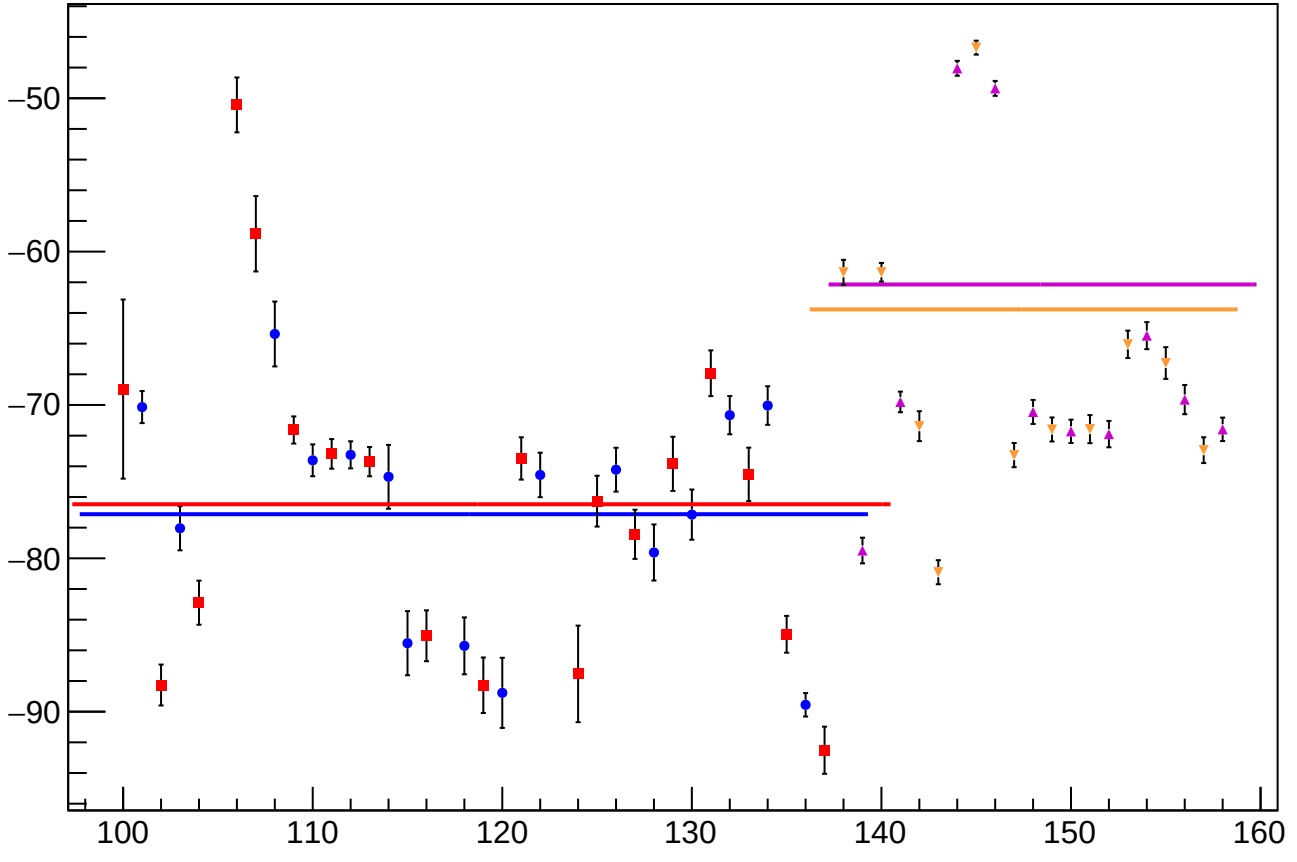
Left In: 2.116+/-0.149 χ^2/NDF:334.8/9

+ sign 3.148+/-0.141 χ^2/NDF: 989.1/26

All: 2.677+/-0.098 χ^2/NDF: 1494.4/55

- sign 2.244+/-0.135 χ^2/NDF: 483.9/28

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -63.769+/-0.225 χ^2/NDF:2422.7/10

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

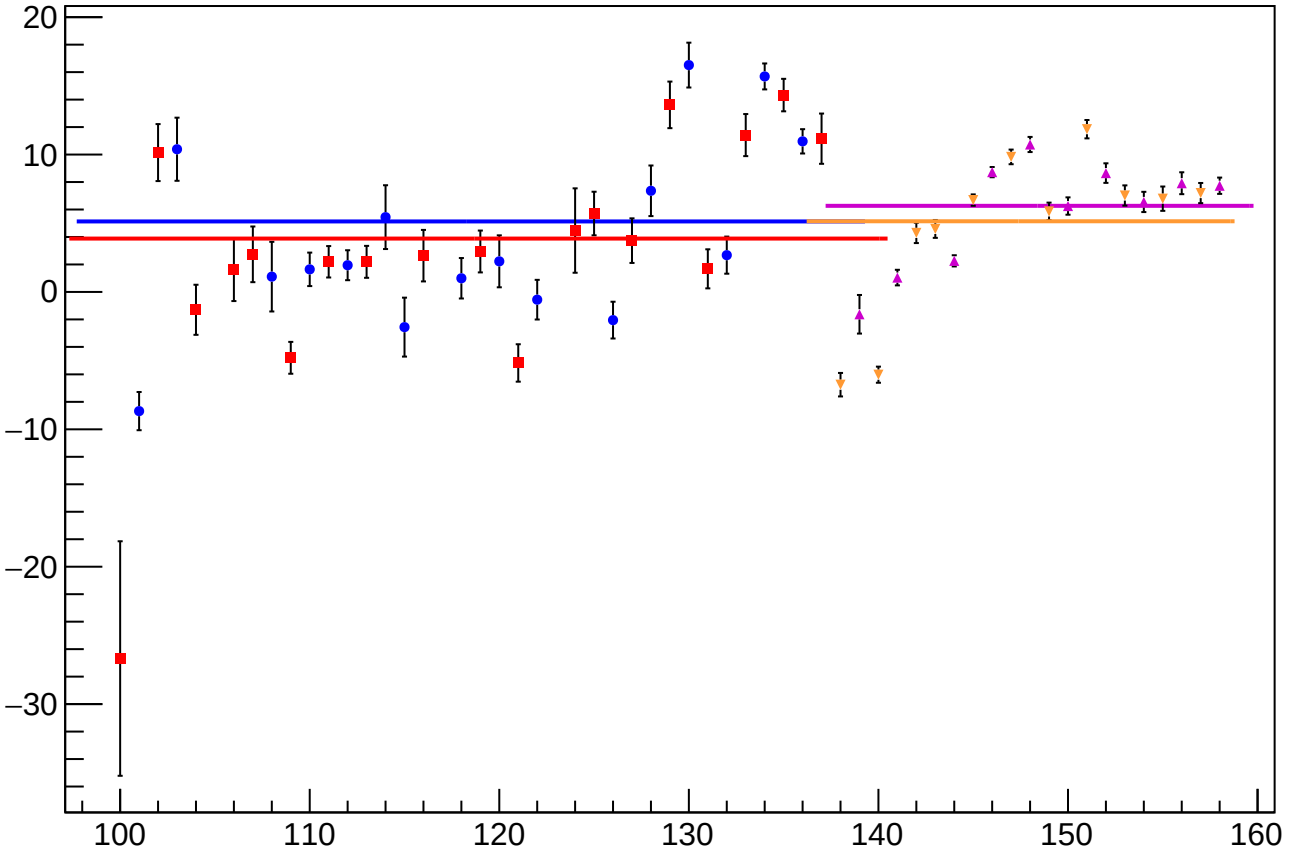
Left In: -62.144+/-0.219 χ^2/NDF:2717.1/9

+ sign -68.074+/-0.185 χ^2/NDF: 4061.1/26

All: -67.299+/-0.130 χ^2/NDF: 8826.7/55

- sign -66.549+/-0.182 χ^2/NDF: 4731.2/28

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: 5.144+/-0.191 χ^2/NDF:768.7/10

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

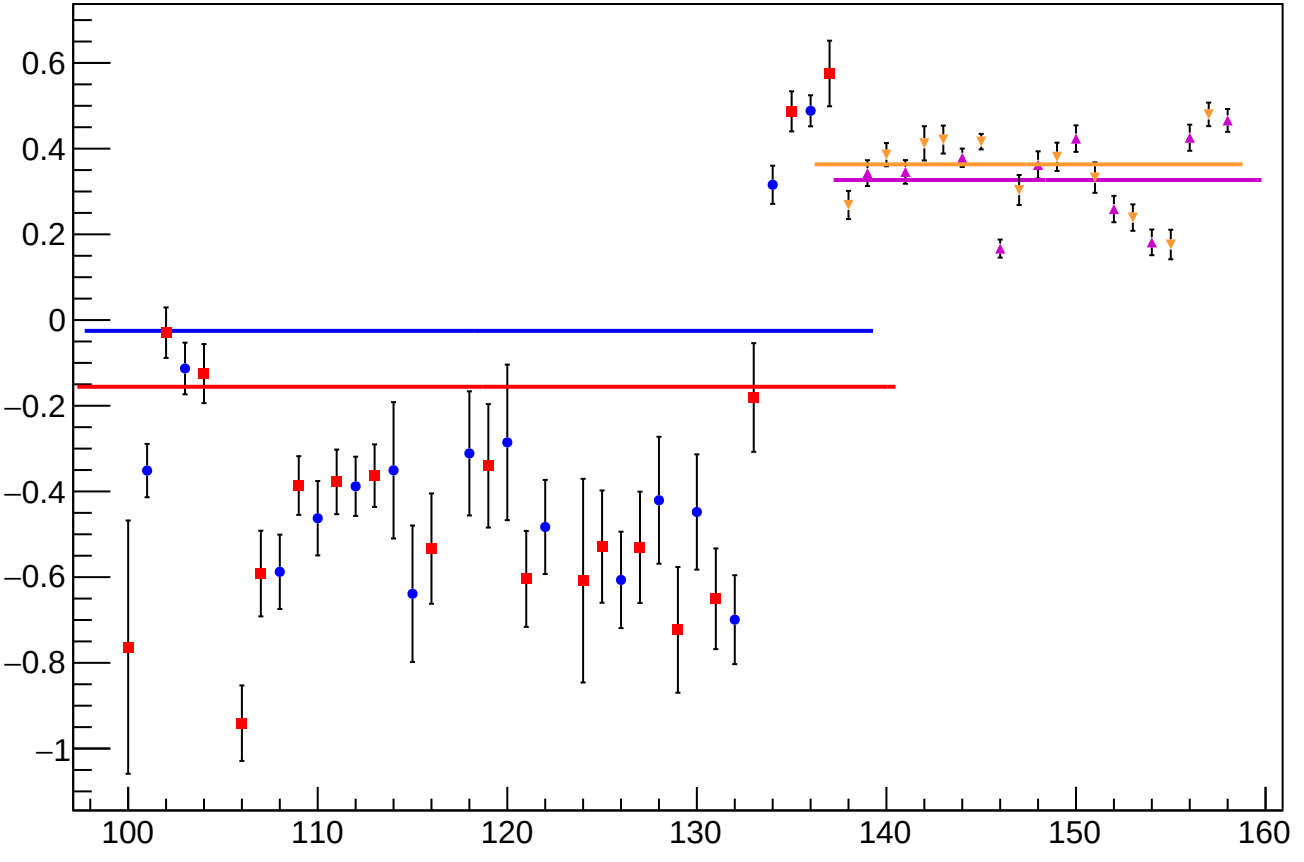
Left In: 6.268+/-0.180 χ^2/NDF:343.8/9

+ sign 5.141+/-0.167 χ^2/NDF: 1181.0/26

All: 5.481+/-0.116 χ^2/NDF: 1859.0/55

- sign 5.795+/-0.161 χ^2/NDF: 670.1/28

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.363+/-0.009 χ^2/NDF:89.9/10

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

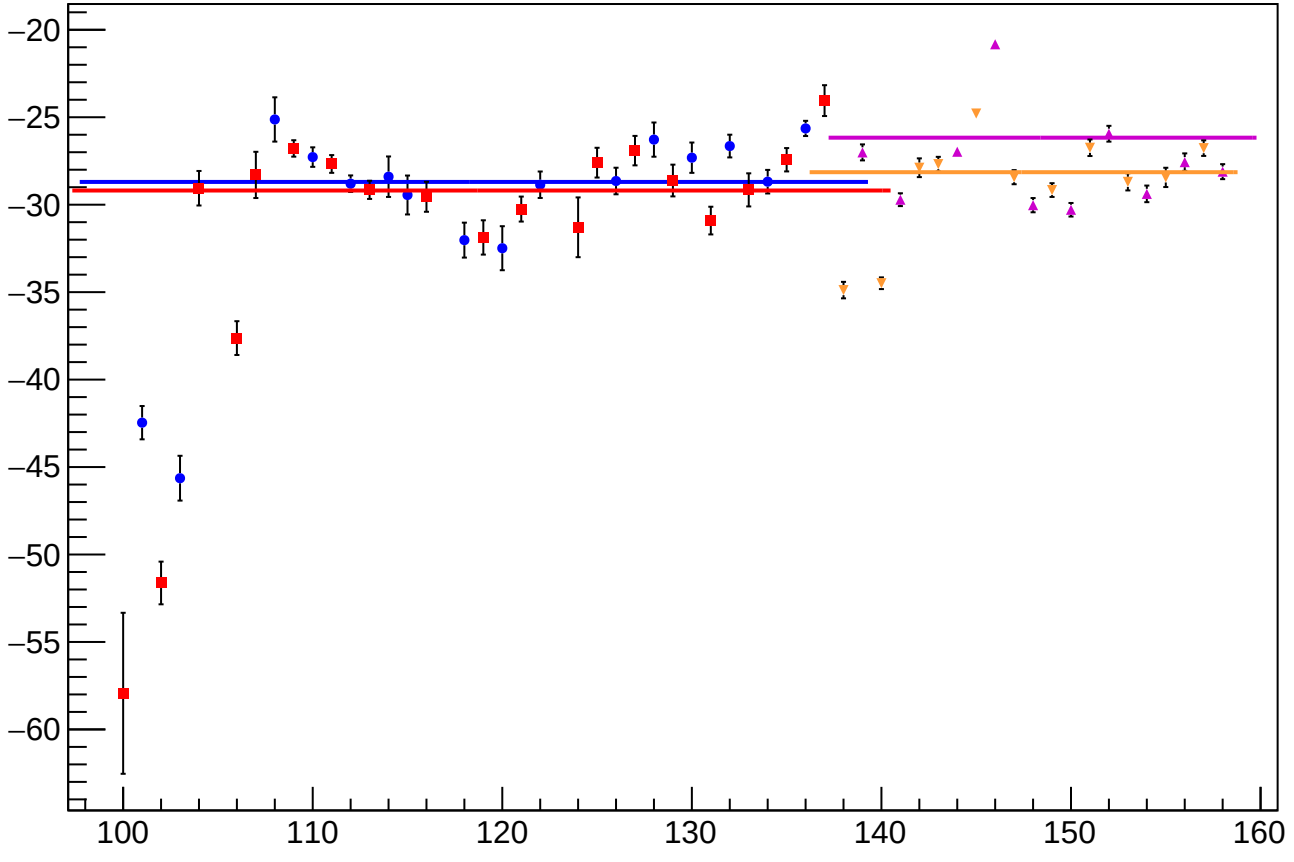
Left In: 0.327+/-0.009 χ^2/NDF:141.3/9

+ sign 0.293+/-0.008 χ^2/NDF: 947.2/26

All: 0.273+/-0.006 χ^2/NDF: 2078.9/55

- sign 0.253+/-0.008 χ^2/NDF: 1119.0/28

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -28.698+/-0.186 χ^2/NDF: 487.3/15

Left Out: -28.142+/-0.114 χ^2/NDF:866.9/10

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

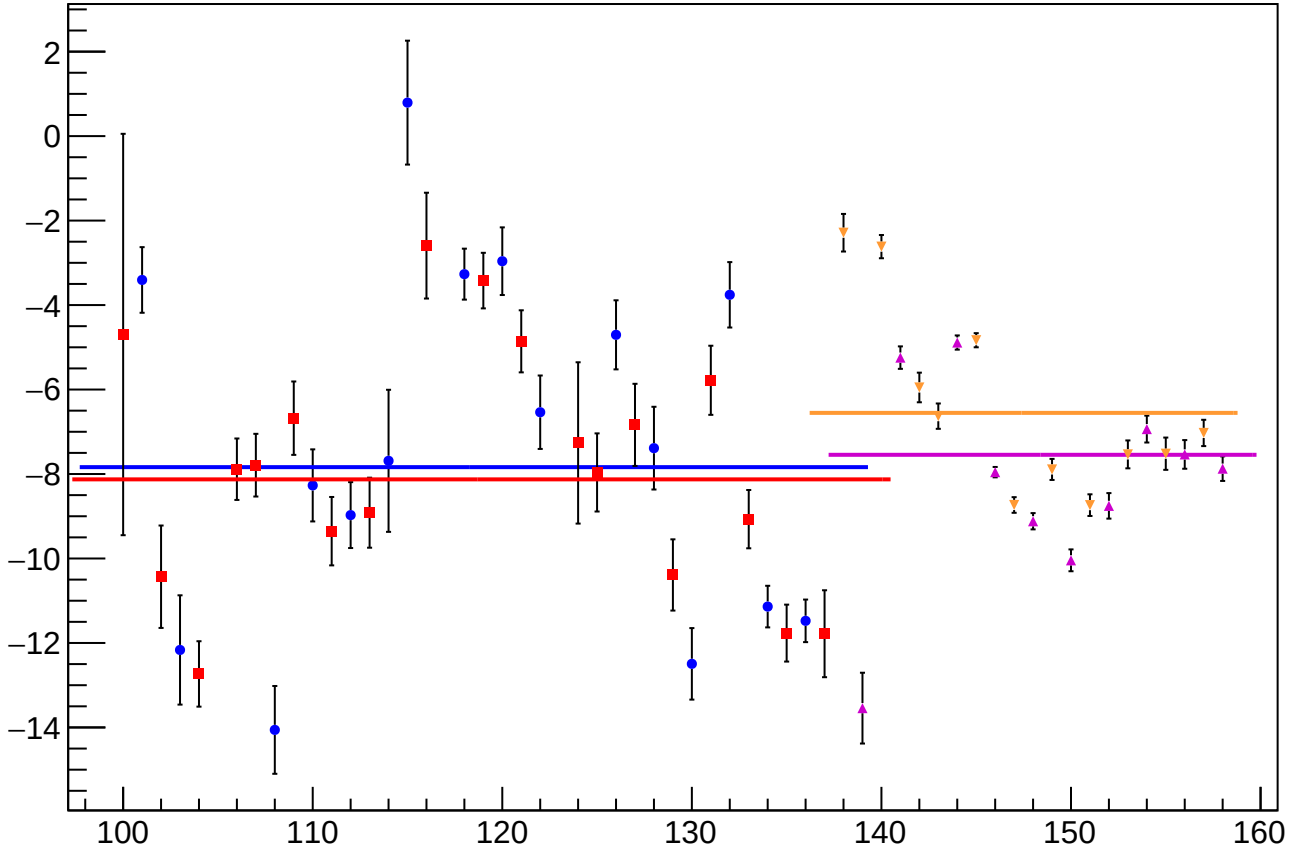
Left In: -26.169+/-0.108 χ^2/NDF:1057.3/9

+ sign -28.294+/-0.097 χ^2/NDF: 1360.7/26

All: -27.591+/-0.067 χ^2/NDF: 3280.1/55

- sign -26.956+/-0.093 χ^2/NDF: 1820.0/28

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -6.553+/-0.079 χ^2/NDF:662.7/10

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

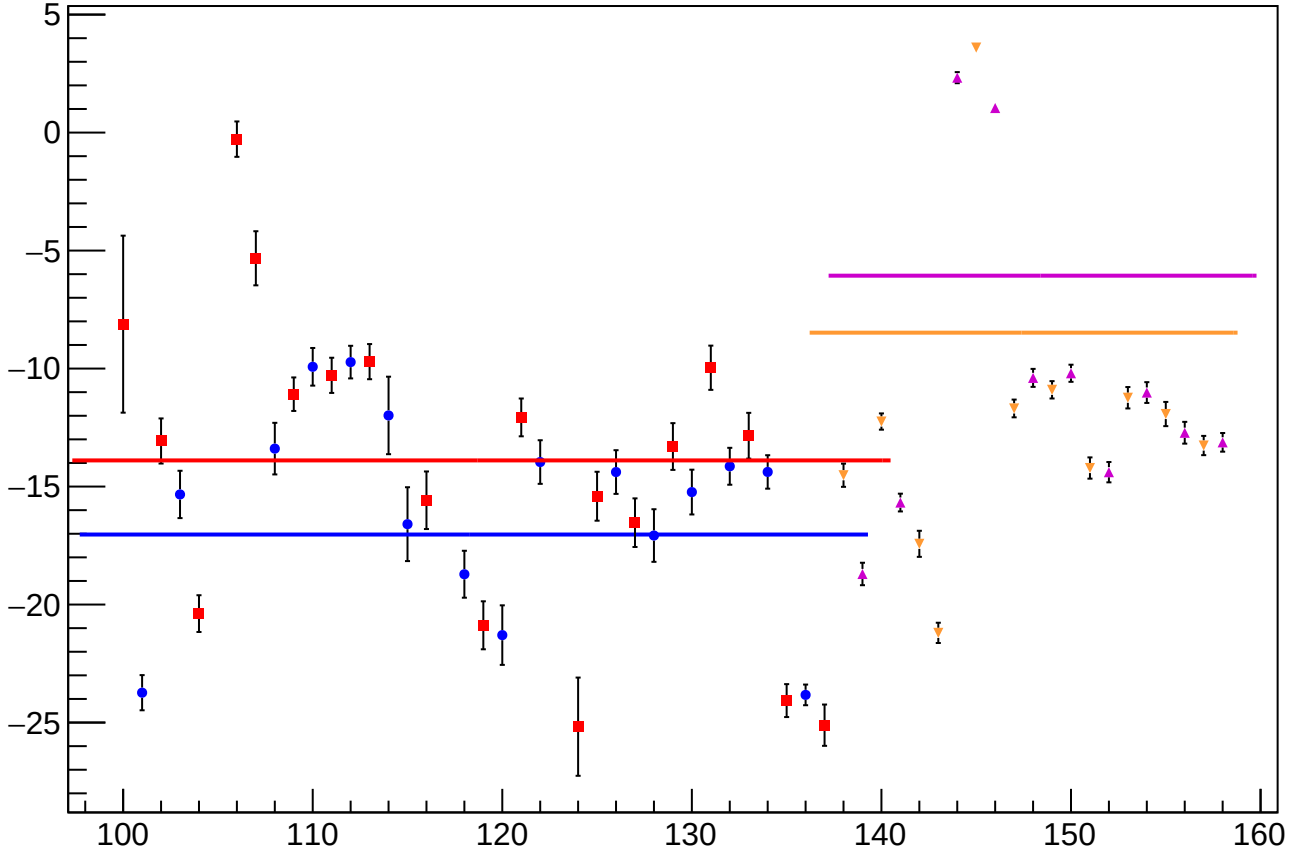
Left In: -7.545+/-0.071 χ^2/NDF:567.7/9

+ sign -6.734+/-0.073 χ^2/NDF: 1083.2/26

All: -7.215+/-0.049 χ^2/NDF: 1934.7/55

- sign -7.612+/-0.066 χ^2/NDF: 772.8/28

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -8.478+/-0.113 χ^2/NDF:5282.1/10

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

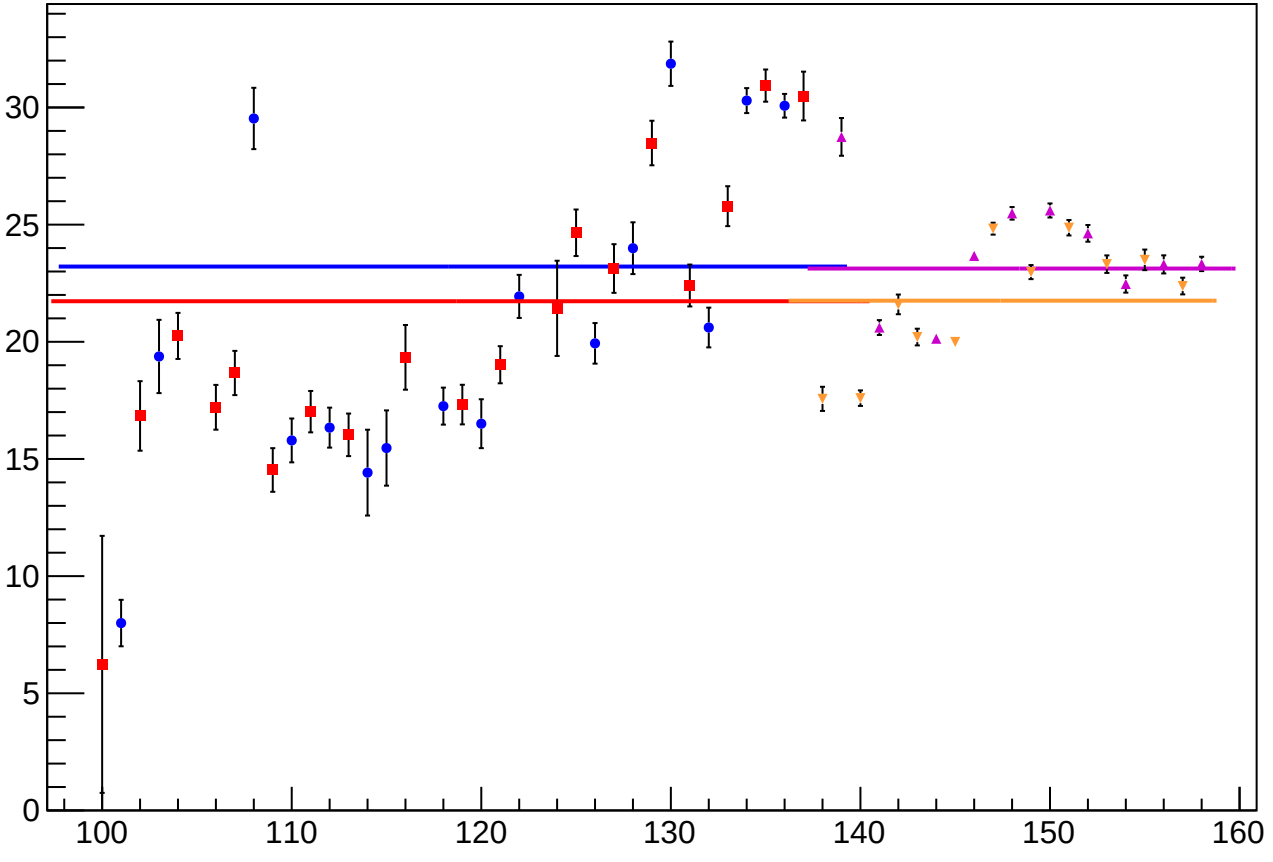
Left In: -6.064+/-0.105 χ^2/NDF:5198.7/9

+ sign -10.405+/-0.099 χ^2/NDF: 7176.6/26

All: -8.938+/-0.068 χ^2/NDF: 14923.1/55

- sign -7.632+/-0.094 χ^2/NDF: 7334.4/28

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 21.755+/-0.096 χ^2/NDF:614.9/10

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

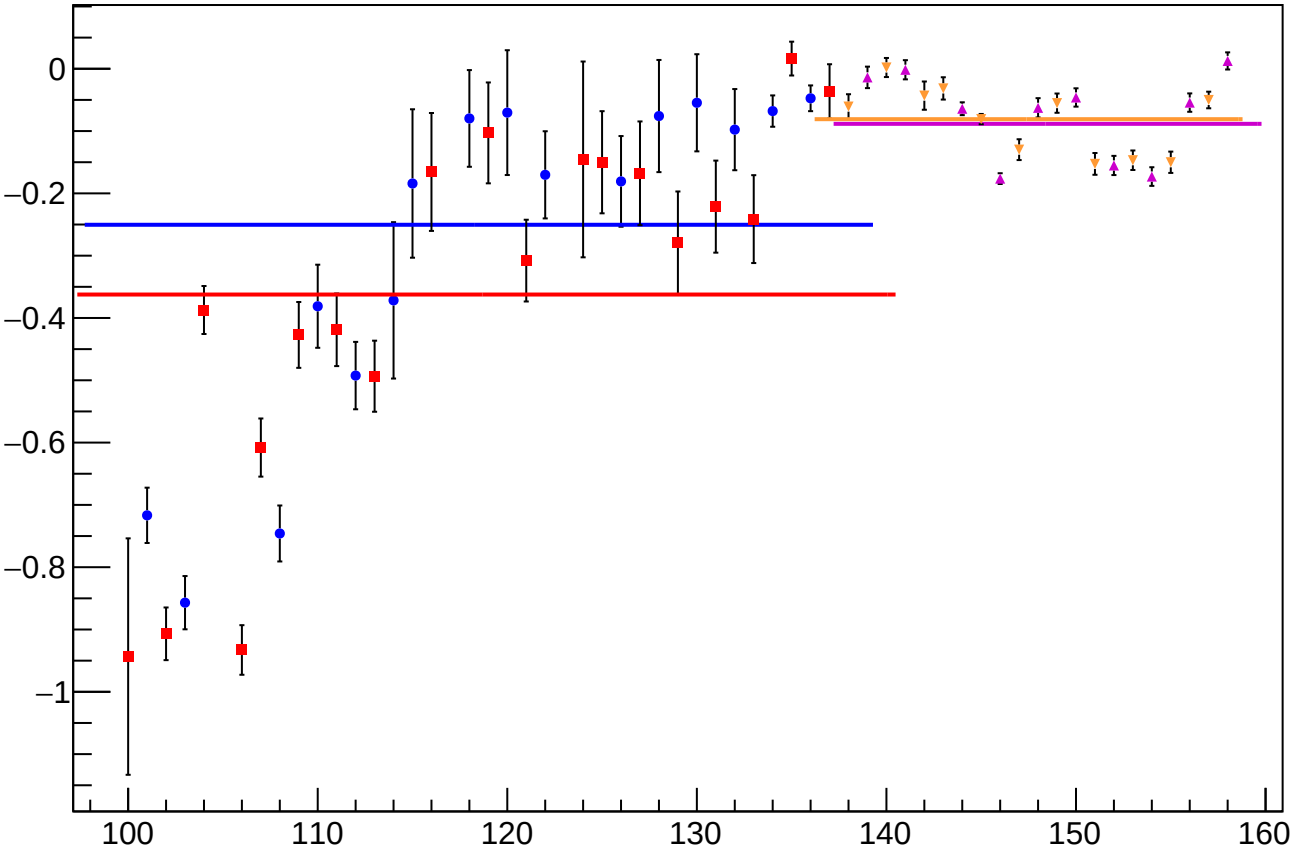
Left In: 23.126+/-0.085 χ^2/NDF:521.8/9

+ sign 21.989+/-0.088 χ^2/NDF: 1660.6/26

All: 22.513+/-0.059 χ^2/NDF: 2840.0/55

- sign 22.949+/-0.080 χ^2/NDF: 1113.8/28

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.081+/-0.004 χ^2/NDF:108.4/10

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

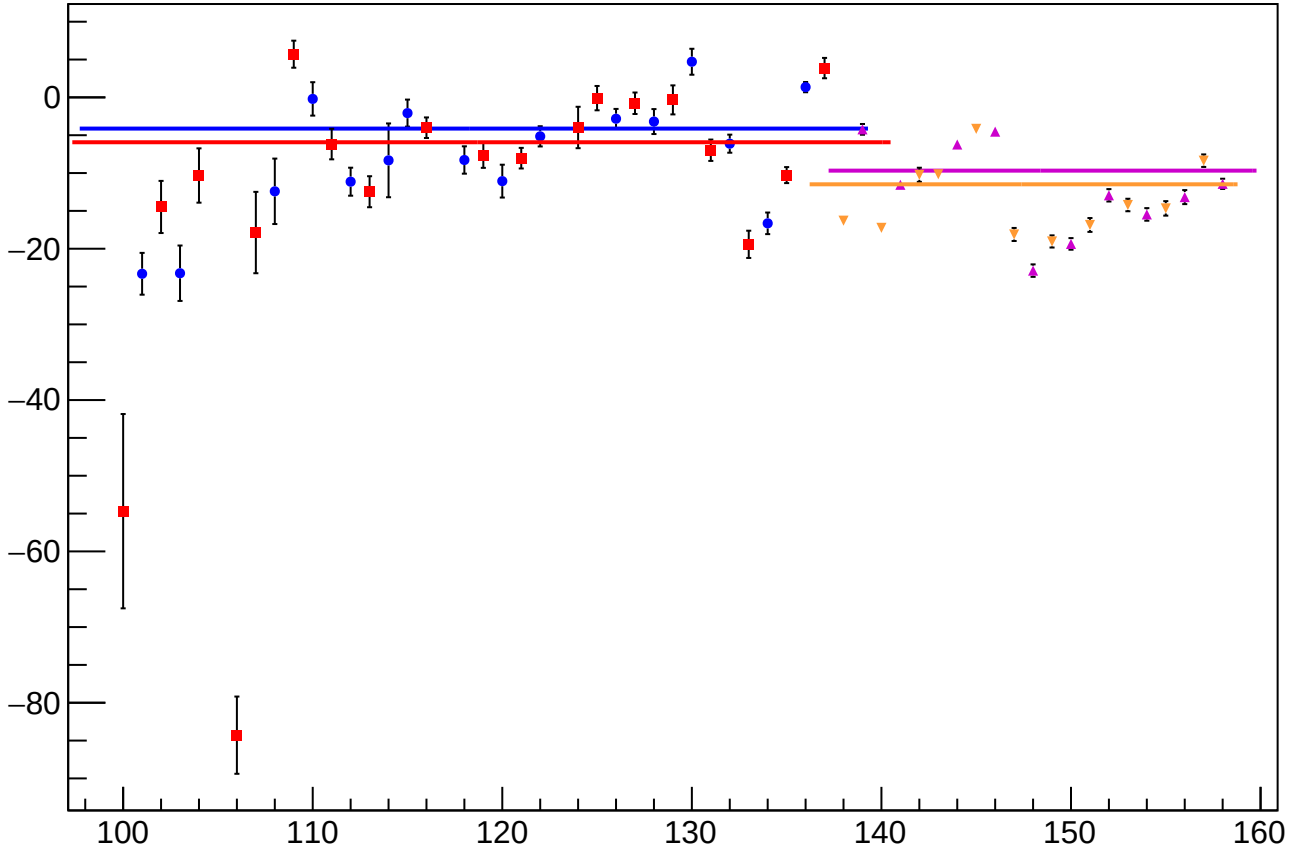
Left In: -0.088+/-0.004 χ^2/NDF:280.7/9

+ sign -0.102+/-0.004 χ^2/NDF: 926.5/26

All: -0.110+/-0.003 χ^2/NDF: 2359.5/55

- sign -0.116+/-0.004 χ^2/NDF: 1427.1/28

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -11.488+/-0.202 χ^2/NDF:784.4/10

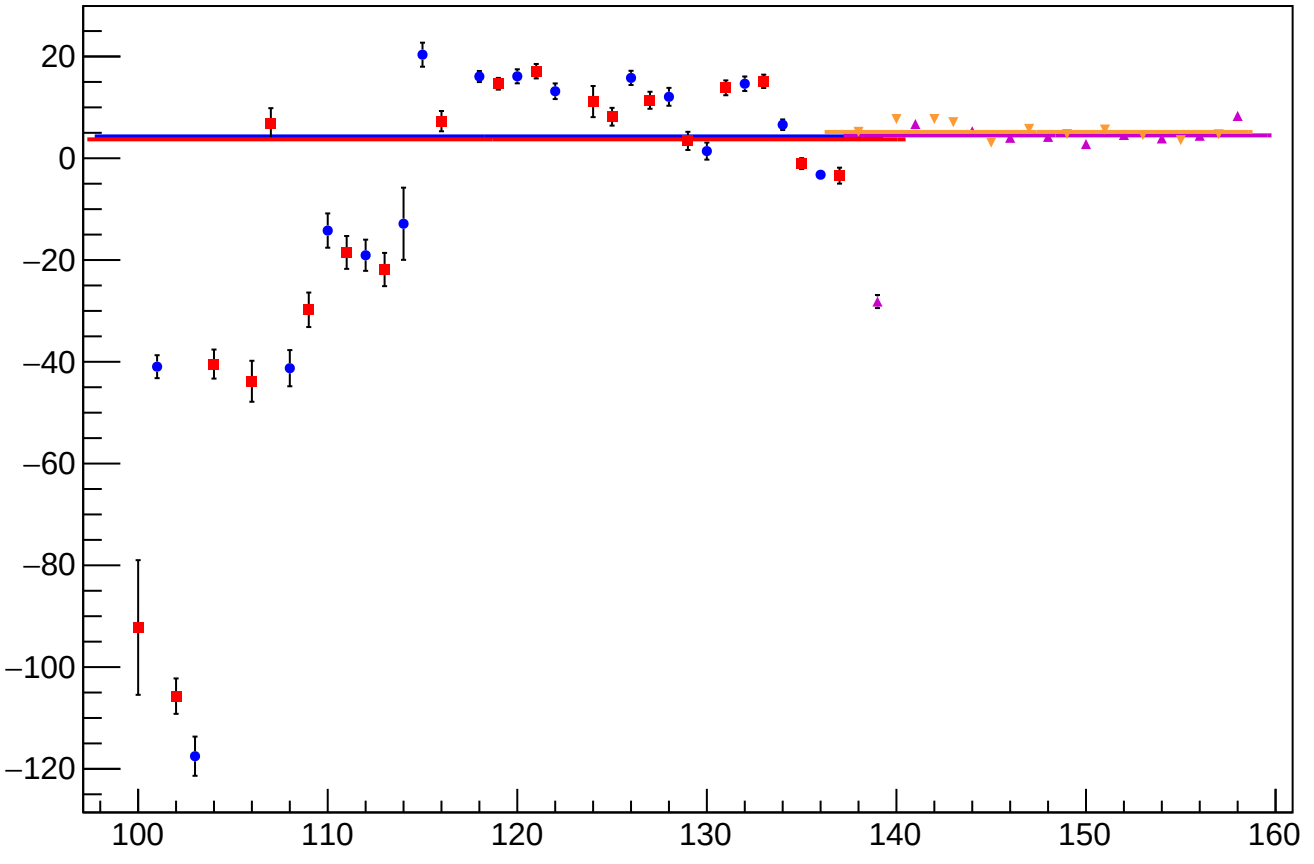
Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

Left In: -9.681+/-0.197 χ^2/NDF:797.3/9

+ sign -9.873+/-0.179 χ^2/NDF: 1362.8/26

All: -9.419+/-0.126 χ^2/NDF: 2724.2/55

- sign -8.971+/-0.177 χ^2/NDF: 1348.5/28



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 5.178+/-0.144 χ^2/NDF:124.9/10

Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

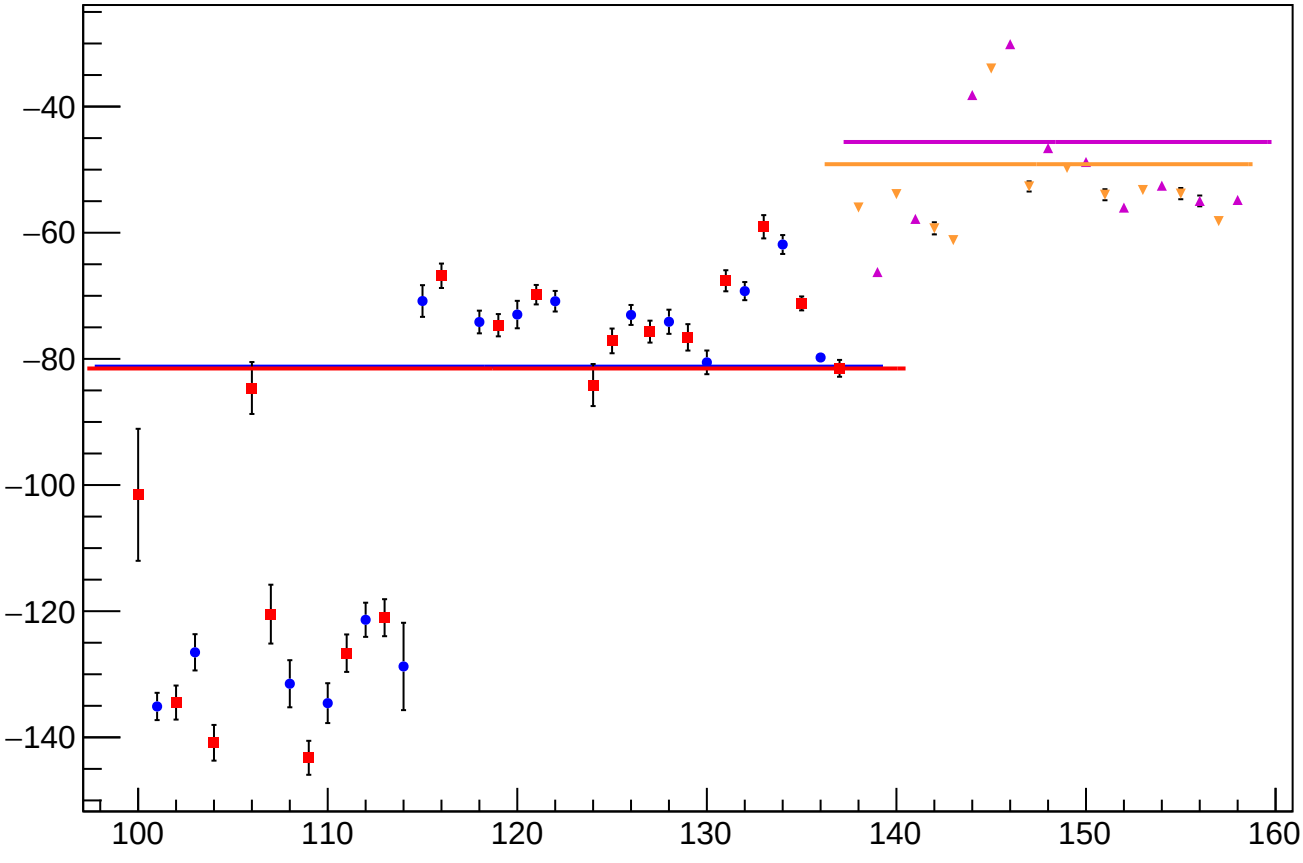
Left In: 4.499+/-0.133 χ^2/NDF:762.1/9

+ sign 5.070+/-0.135 χ^2/NDF: 2298.7/26

All: 4.730+/-0.092 χ^2/NDF: 5083.2/55

- sign 4.429+/-0.127 χ^2/NDF: 2772.5/28

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -49.136+/-0.201 χ^2/NDF:2446.3/10

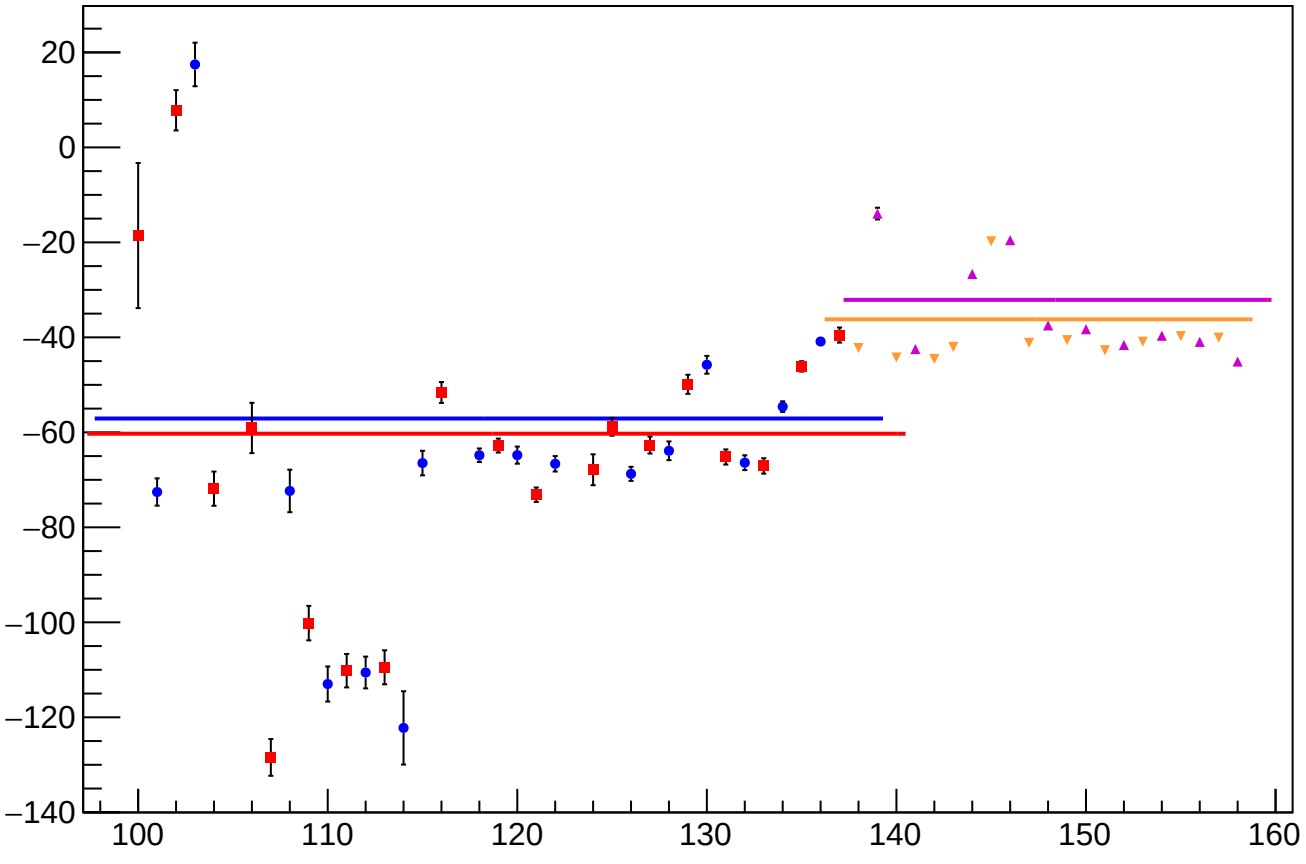
Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

Left In: -45.614+/-0.192 χ^2/NDF:3607.5/9

+ sign -55.211+/-0.181 χ^2/NDF: 9223.8/26

All: -53.025+/-0.127 χ^2/NDF: 20565.2/55

- sign -50.928+/-0.178 χ^2/NDF: 11056.7/28



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -36.199+/-0.172 χ^2/NDF:3196.3/10

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

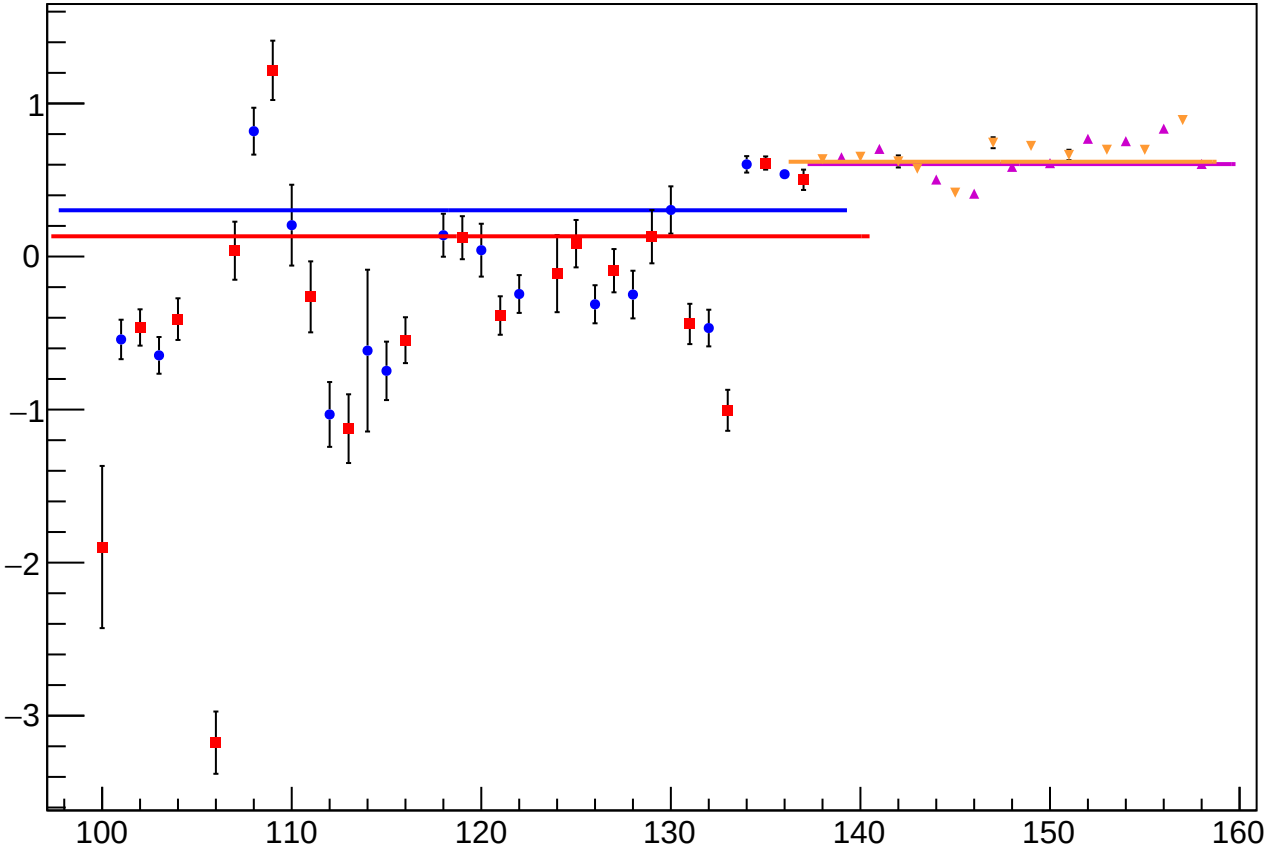
Left In: -32.100+/-0.159 χ^2/NDF:3899.1/9

+ sign -39.138+/-0.160 χ^2/NDF: 6792.1/26

All: -36.949+/-0.110 χ^2/NDF: 15861.0/55

- sign -34.998+/-0.151 χ^2/NDF: 8713.5/28

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.302+/-0.023 χ^2/NDF: 374.8/15

Left Out: 0.619+/-0.008 χ^2/NDF:346.1/10

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

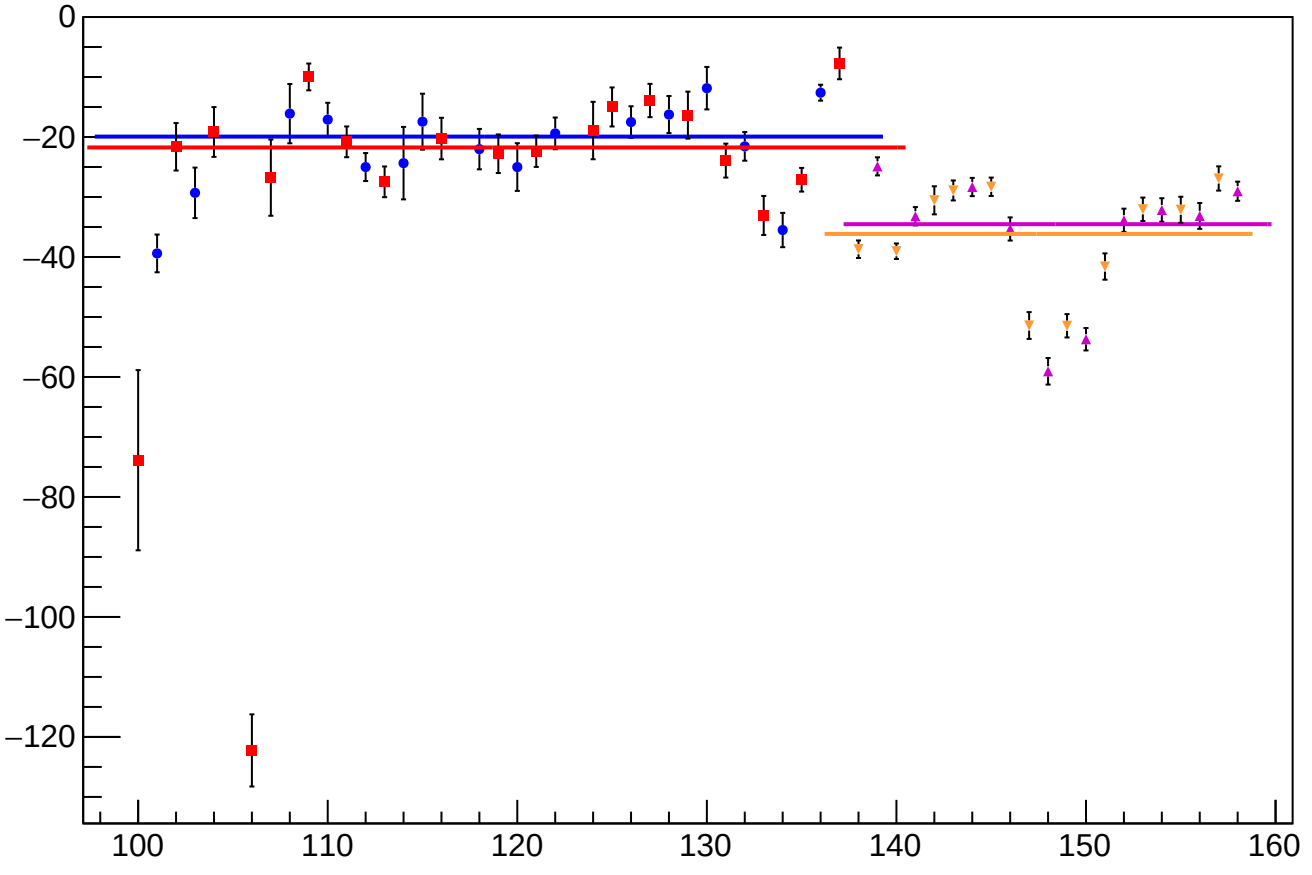
Left In: 0.604+/-0.008 χ^2/NDF:312.3/9

\+ sign 0.586+/-0.007 χ^2/NDF: 891.6/26

All: 0.577+/-0.005 χ^2/NDF: 2172.0/55

\- sign 0.568+/-0.007 χ^2/NDF: 1277.7/28

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

Left Out: -36.153+/-0.540 χ^2/NDF:202.7/10

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

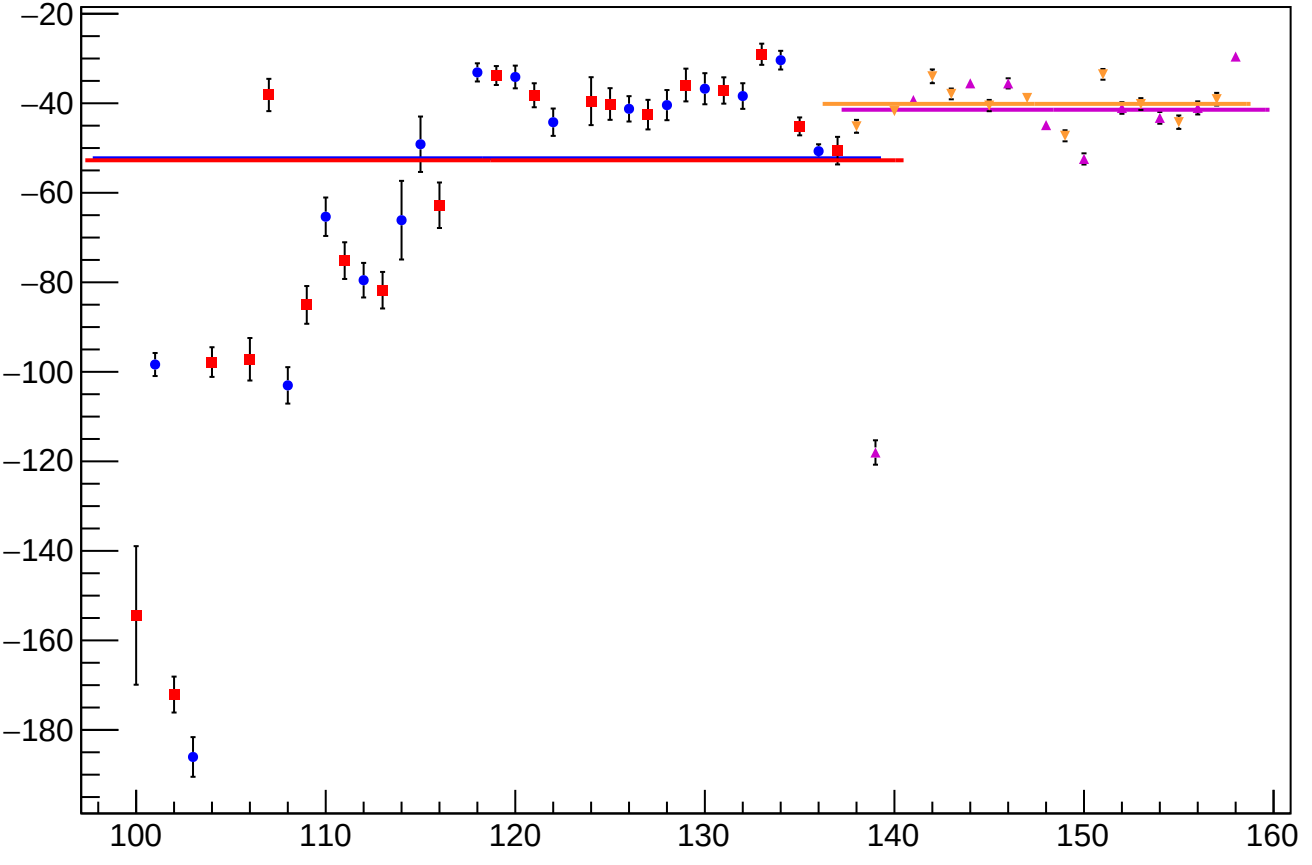
Left In: -34.533+/-0.560 χ^2/NDF:300.4/9

+ sign -30.043+/-0.426 χ^2/NDF: 662.9/26

All: -29.860+/-0.306 χ^2/NDF: 1550.8/55

- sign -29.665+/-0.440 χ^2/NDF: 887.5/28

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -40.134+/-0.381 χ^2/NDF:107.1/10

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

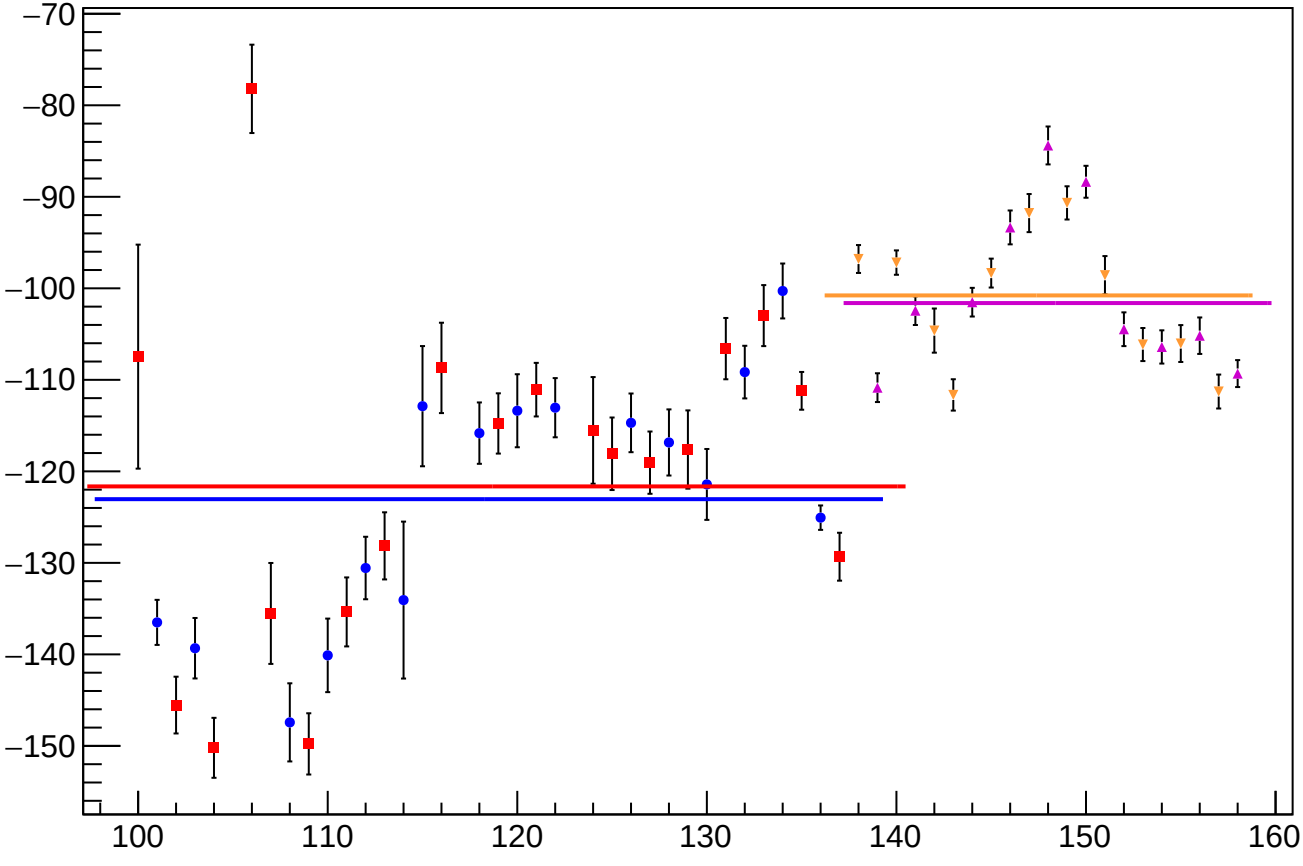
Left In: -41.444+/-0.391 χ^2/NDF:1056.3/9

+ sign -42.863+/-0.335 χ^2/NDF: 2114.1/26

All: -43.350+/-0.241 χ^2/NDF: 5016.1/55

- sign -43.870+/-0.347 χ^2/NDF: 2897.6/28

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -123.039+/-0.750 χ^2/NDF: 226.8/15

Left Out: -100.775+/-0.534 χ^2/NDF:157.8/10

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

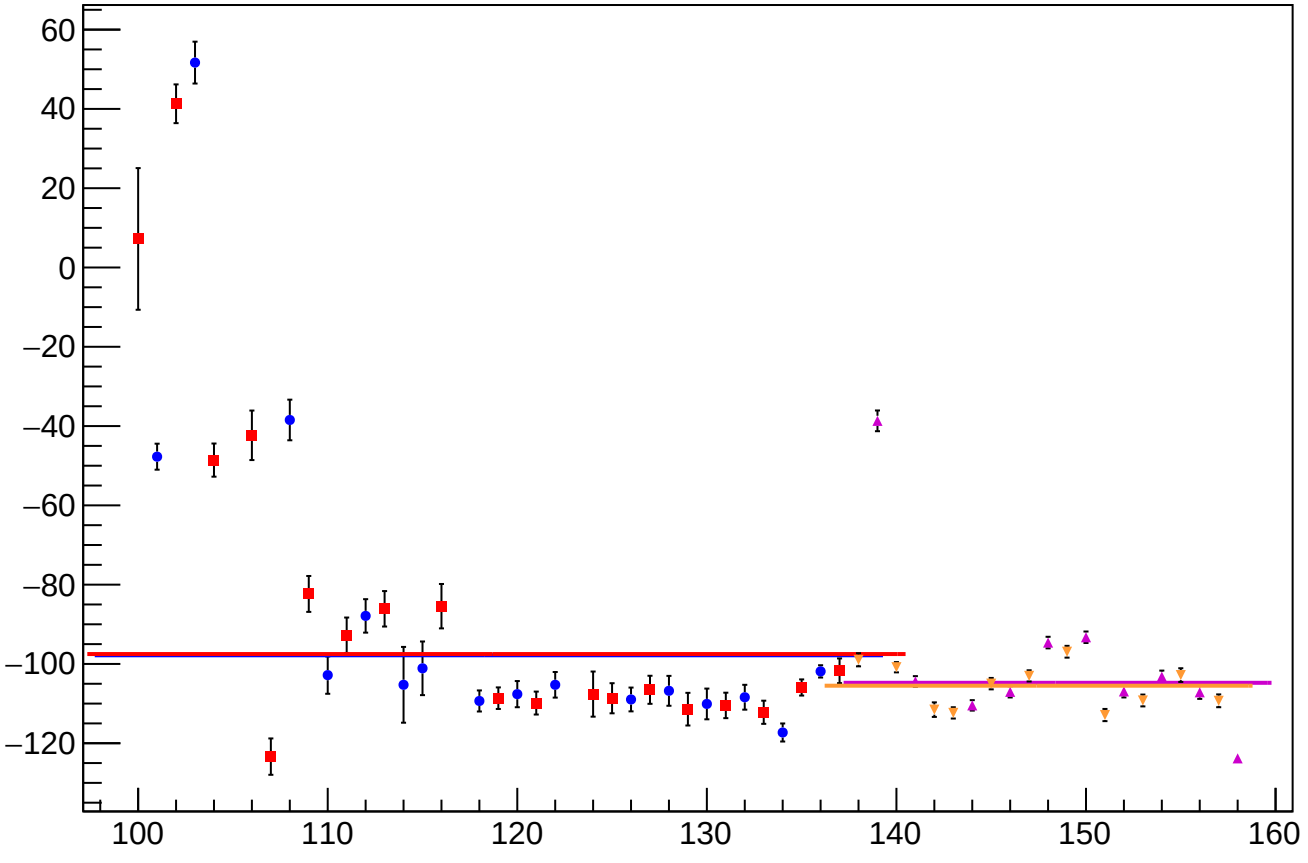
Left In: -101.610+/-0.544 χ^2/NDF:221.6/9

+ sign -108.256+/-0.435 χ^2/NDF: 969.7/26

All: -108.097+/-0.313 χ^2/NDF: 2044.3/55

- sign -107.927+/-0.450 χ^2/NDF: 1074.3/28

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -97.814+/-0.793 χ^2/NDF: 1330.8/15

Left Out: -105.489+/-0.458 χ^2/NDF:136.3/10

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

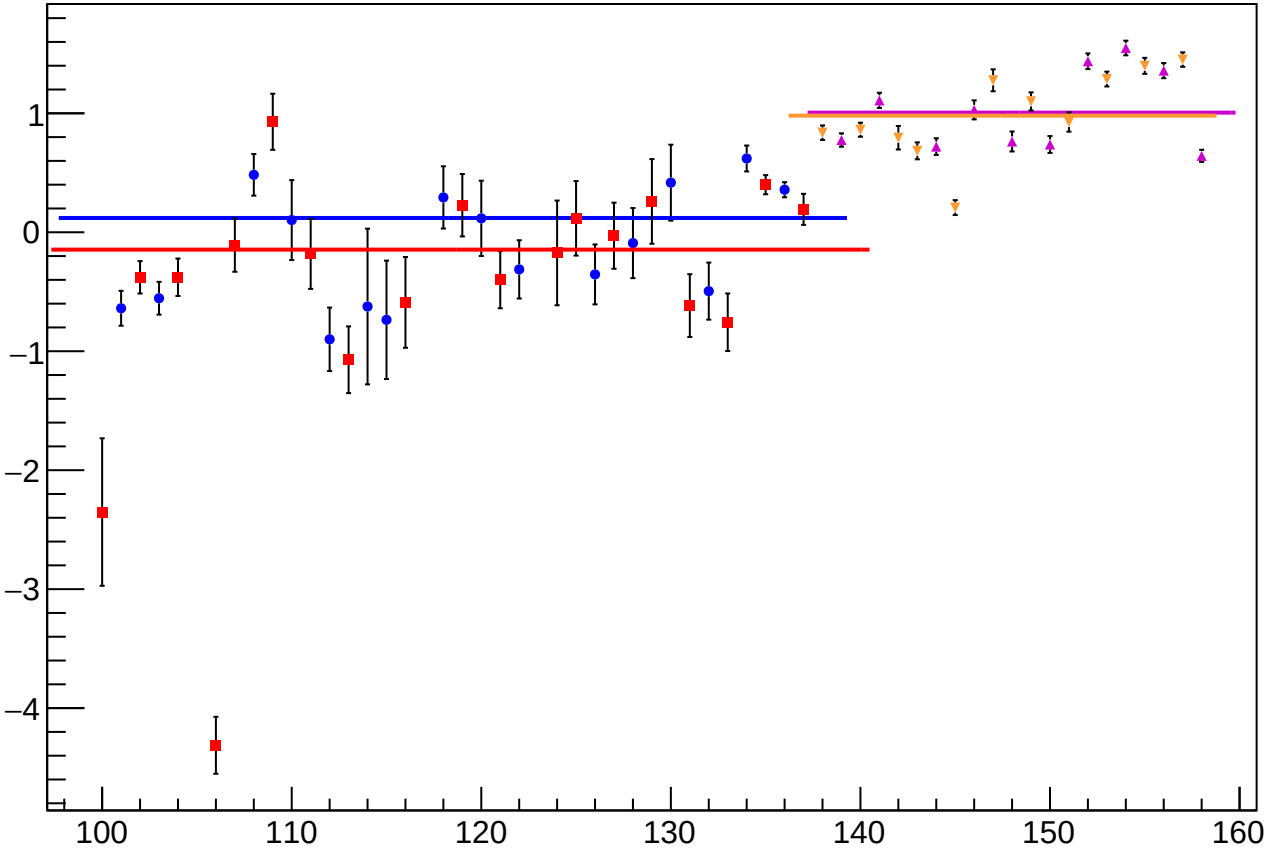
Left In: -104.758+/-0.460 χ^2/NDF:1053.6/9

+ sign -103.572+/-0.396 χ^2/NDF: 1537.3/26

All: -103.336+/-0.283 χ^2/NDF: 3885.2/55

- sign -103.090+/-0.404 χ^2/NDF: 2347.2/28

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/15

Left Out: 0.980+/-0.021 χ^2/NDF:319.4/10

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

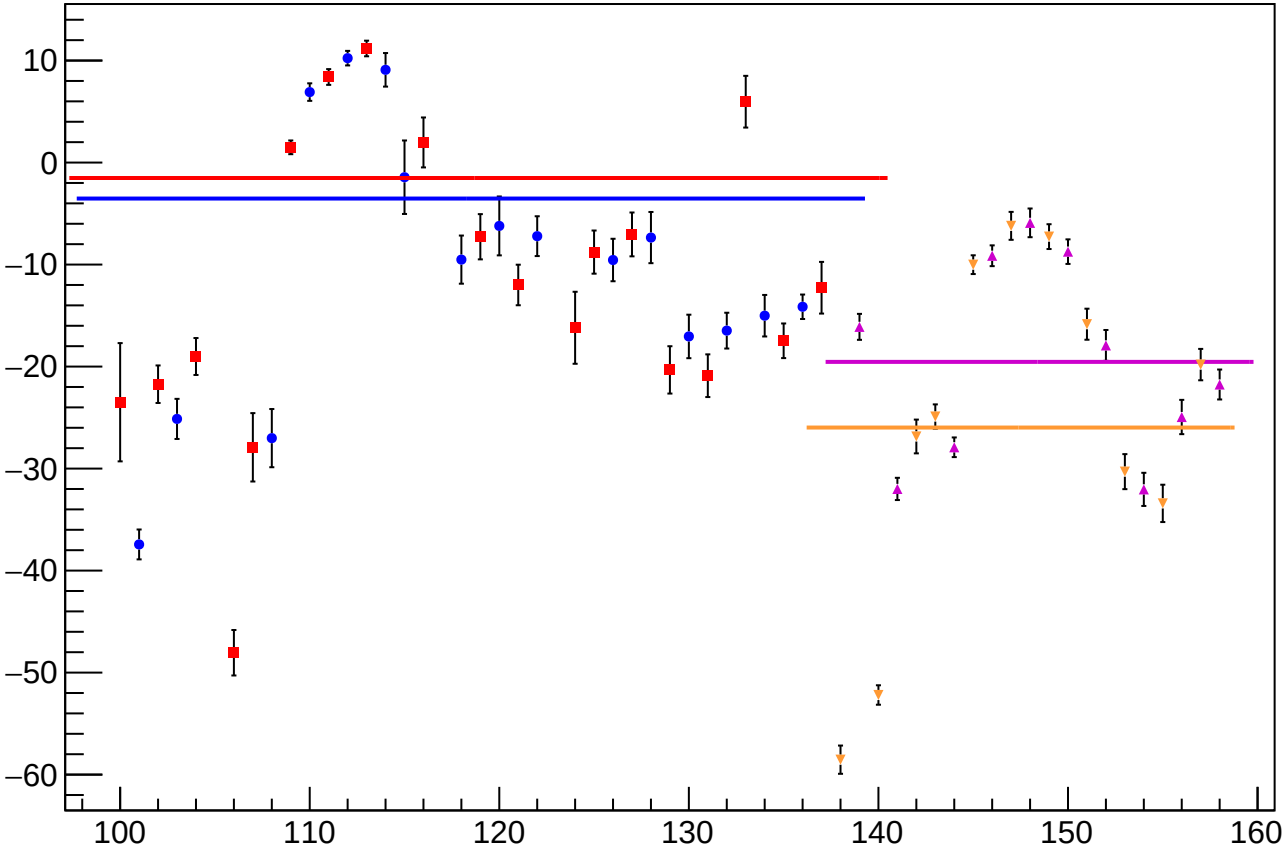
Left In: 1.006+/-0.020 χ^2/NDF:260.6/9

+ sign 0.805+/-0.019 χ^2/NDF: 790.0/26

All: 0.806+/-0.013 χ^2/NDF: 2016.8/55

- sign 0.807+/-0.019 χ^2/NDF: 1226.7/28

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -3.527+/-0.377 χ^2/NDF: 1529.1/15

Left Out: -25.976+/-0.390 χ^2/NDF:2140.1/10

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

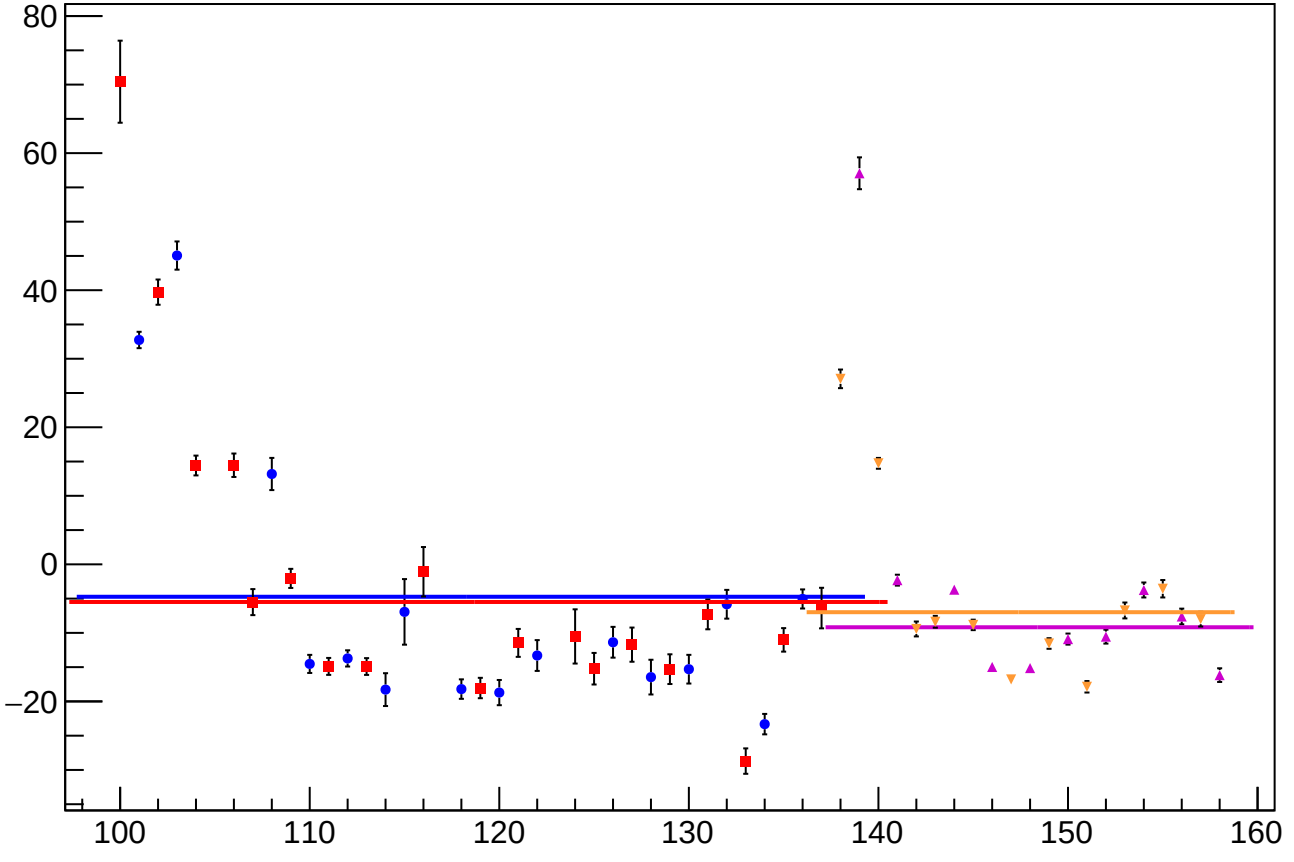
Left In: -19.539+/-0.397 χ^2/NDF:565.0/9

+ sign -14.365+/-0.271 χ^2/NDF: 5383.3/26

All: -11.595+/-0.187 χ^2/NDF: 8864.3/55

- sign -9.090+/-0.258 χ^2/NDF: 3282.0/28

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: -6.982+/-0.269 χ^2/NDF:1848.4/10

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

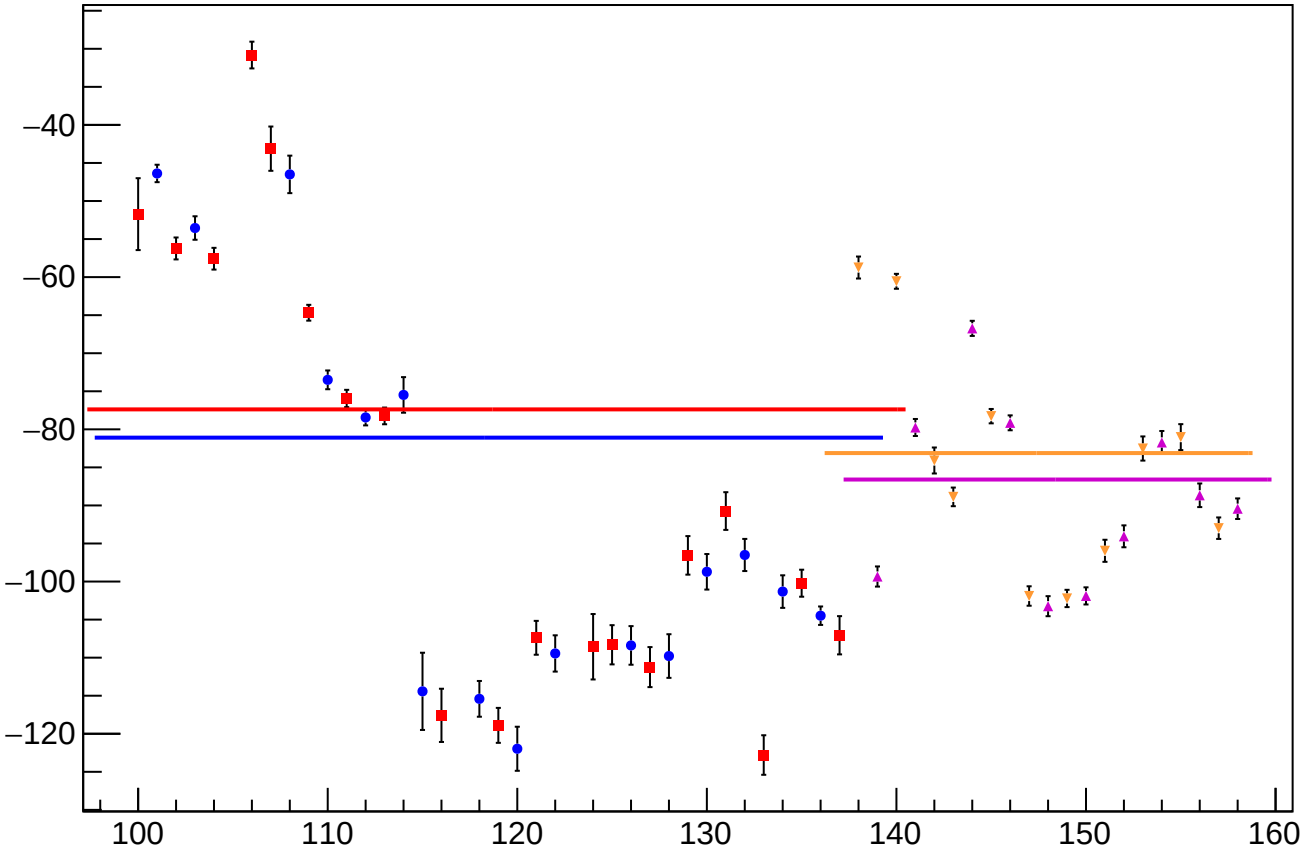
Left In: -9.181+/-0.270 χ^2/NDF:1196.7/9

+ sign -6.351+/-0.228 χ^2/NDF: 4016.1/26

All: -7.234+/-0.161 χ^2/NDF: 6805.5/55

- sign -8.111+/-0.227 χ^2/NDF: 2759.5/28

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -83.119+/-0.385 χ^2/NDF:1491.0/10

Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

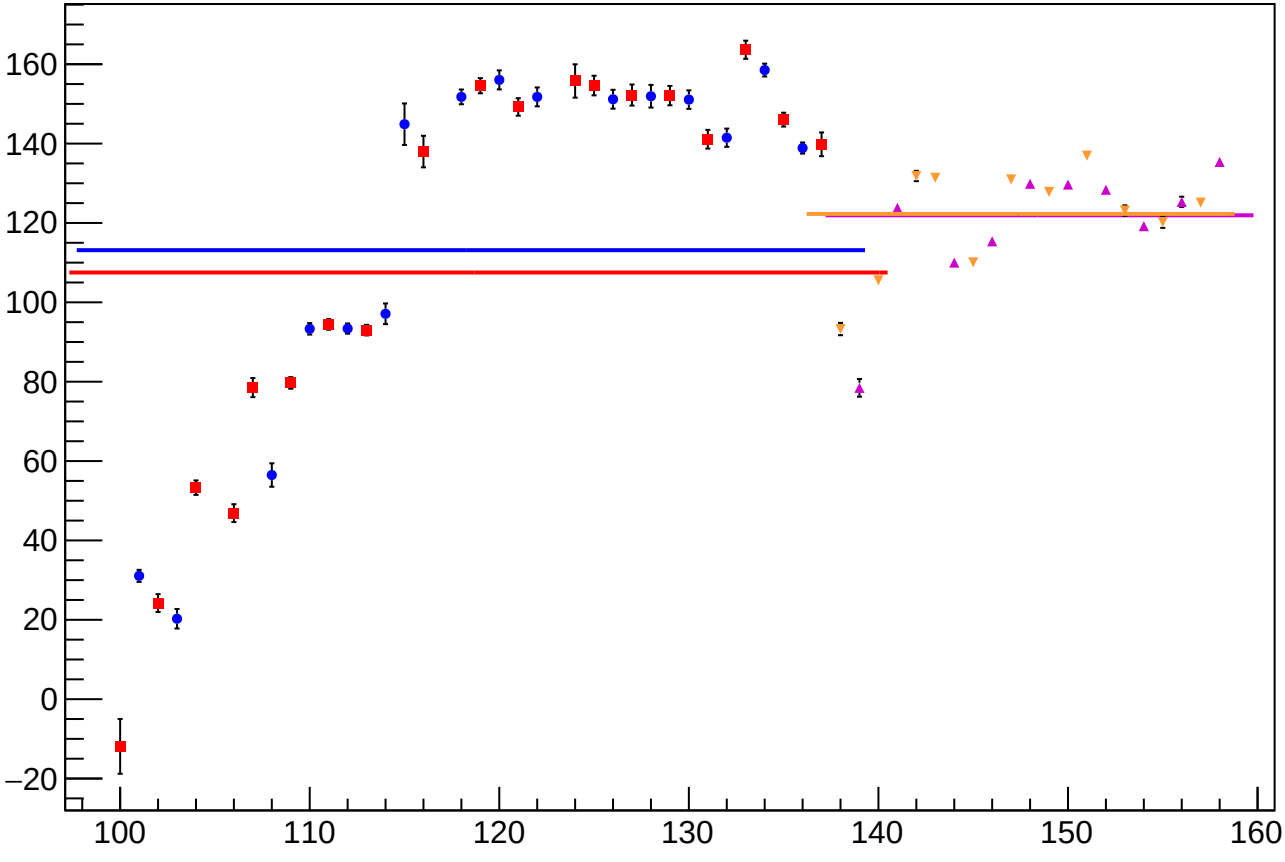
Left In: -86.596+/-0.387 χ^2/NDF:979.3/9

+ sign -82.237+/-0.289 χ^2/NDF: 4373.4/26

All: -82.284+/-0.202 χ^2/NDF: 8745.0/55

- sign -82.329+/-0.284 χ^2/NDF: 4371.5/28

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 113.143+/-0.489 χ^2/NDF: 8204.1/15

Left Out: 122.281+/-0.325 χ^2/NDF:1319.3/10

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

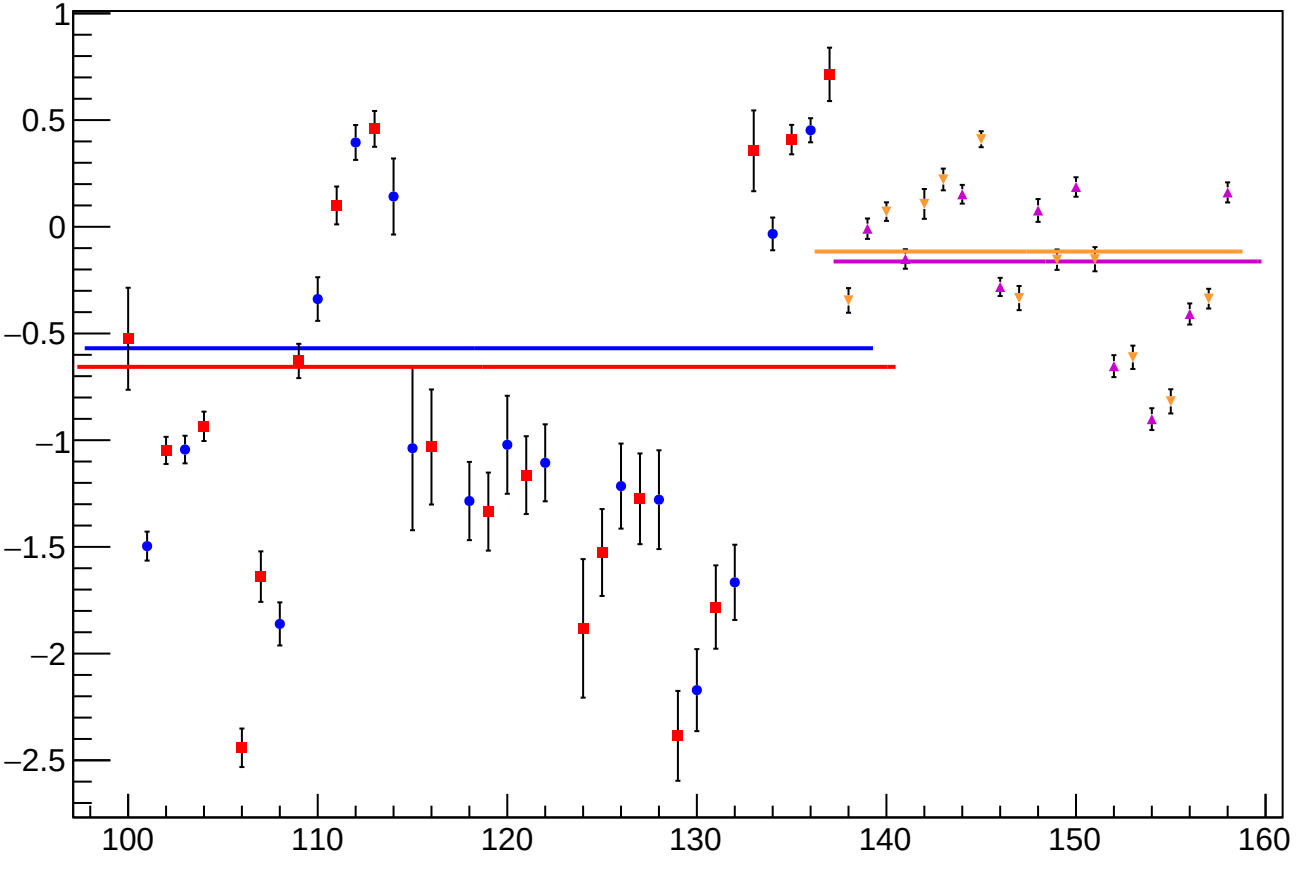
Left In: 121.930+/-0.323 χ^2/NDF:1008.0/9

+ sign 119.478+/-0.271 χ^2/NDF: 9765.5/26

All: 118.446+/-0.190 χ^2/NDF: 18968.7/55

- sign 117.438+/-0.268 χ^2/NDF: 9174.5/28

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: -0.116+/-0.015 χ^2/NDF:560.2/10

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

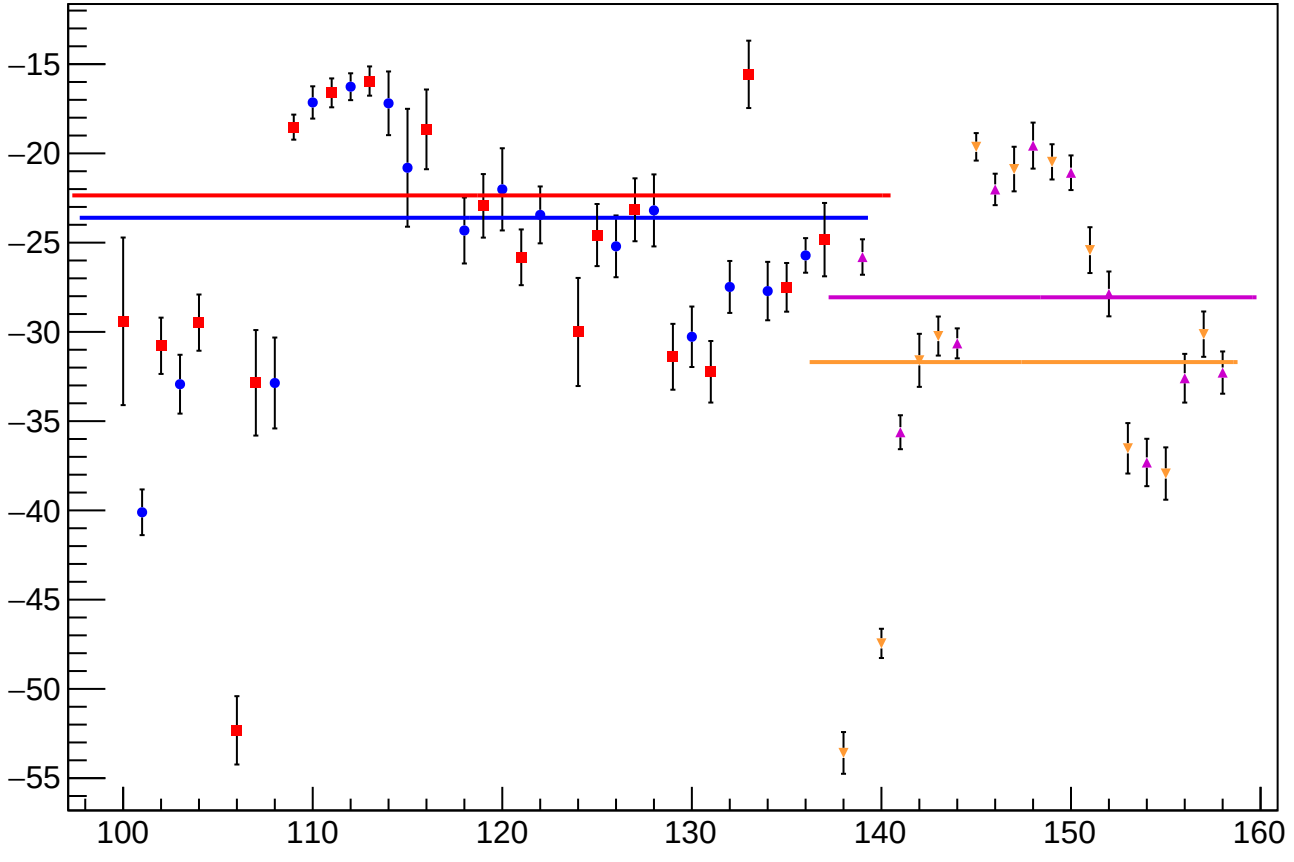
Left In: -0.163+/-0.015 χ^2/NDF:519.9/9

+ sign -0.233+/-0.013 χ^2/NDF: 1886.5/26

All: -0.263+/-0.009 χ^2/NDF: 4015.0/55

- sign -0.292+/-0.013 χ^2/NDF: 2118.3/28

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

Left Out: -31.691+/-0.332 χ^2/NDF:1226.9/10

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

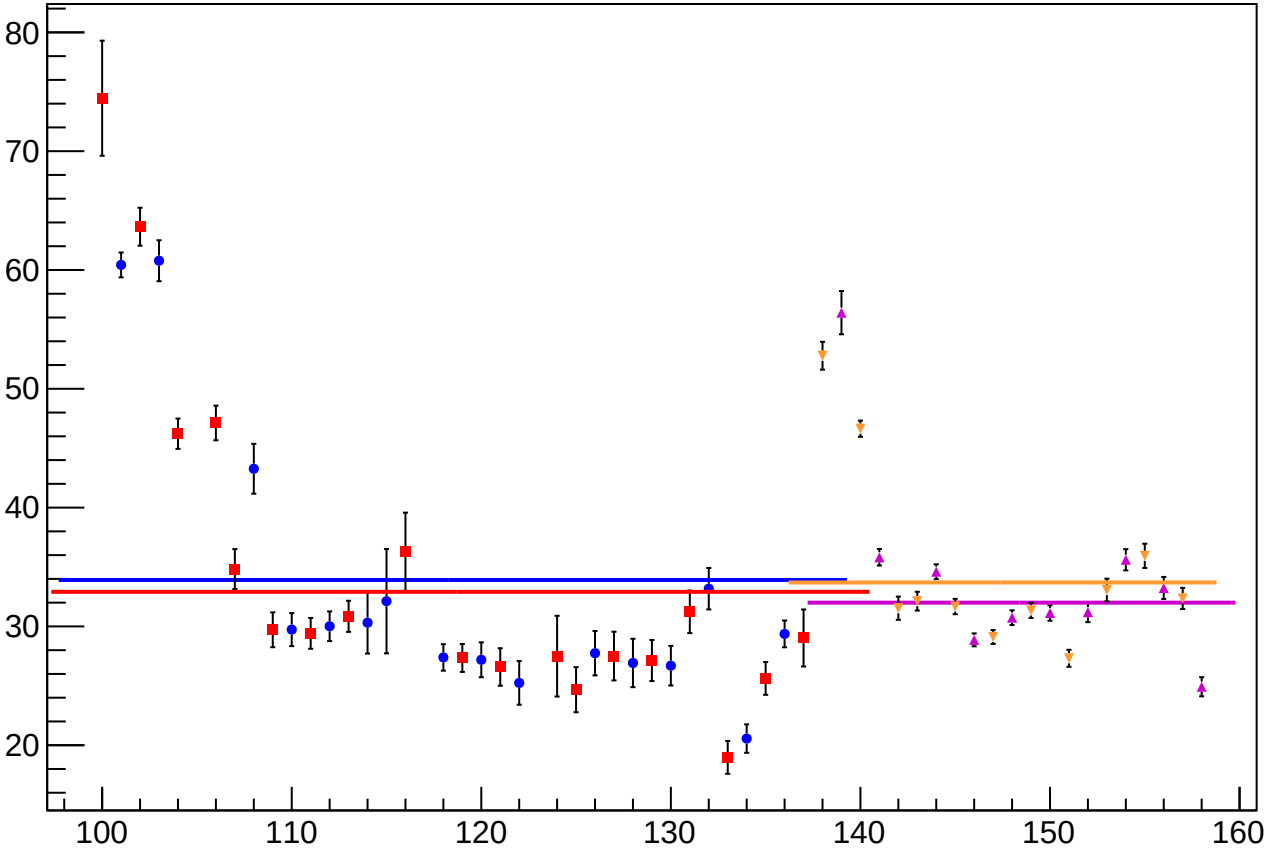
Left In: -28.062+/-0.334 χ^2/NDF:292.3/9

+ sign -27.839+/-0.240 χ^2/NDF: 1915.3/26

All: -26.419+/-0.167 χ^2/NDF: 2978.0/55

- sign -25.098+/-0.232 χ^2/NDF: 995.3/28

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 33.697+/-0.232 χ^2/NDF:806.0/10

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

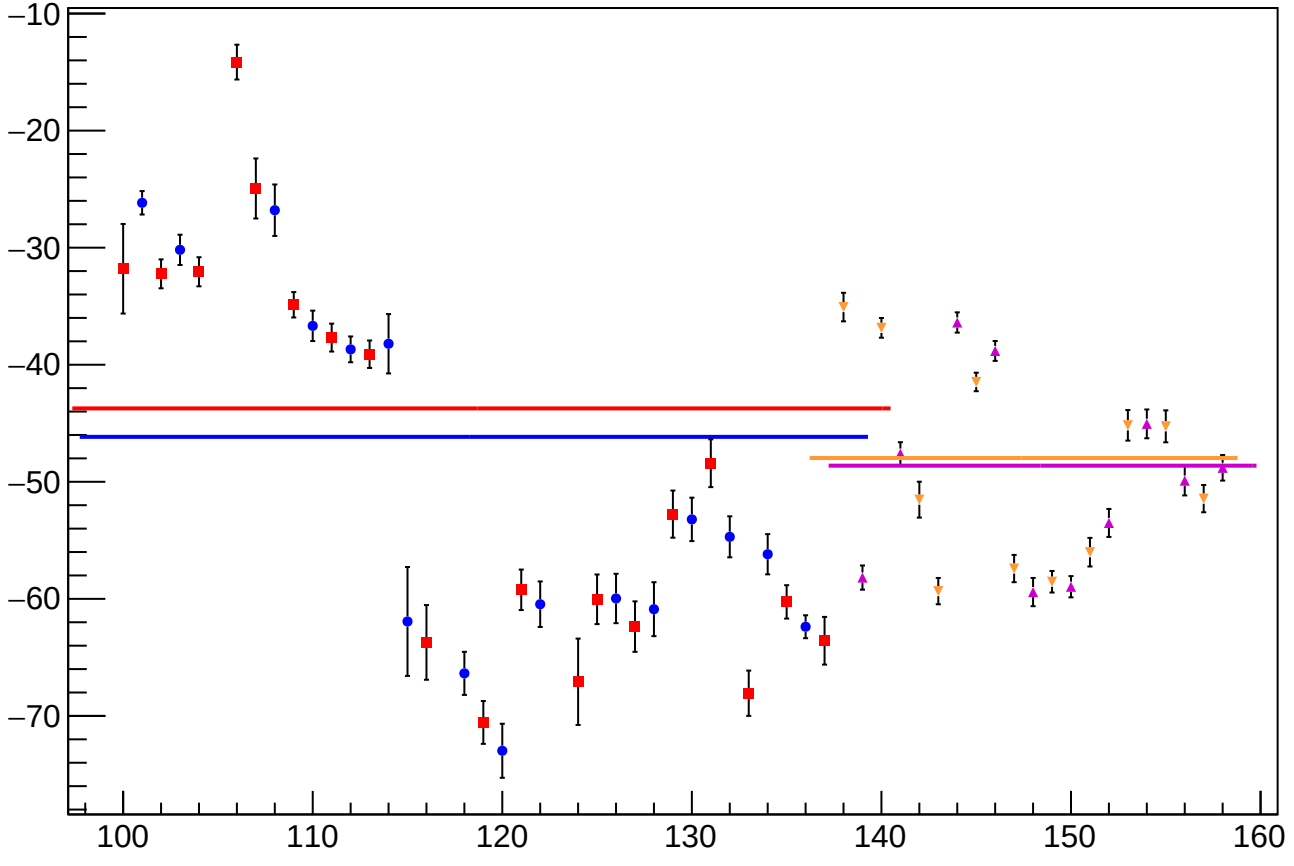
Left In: 31.998+/-0.232 χ^2/NDF:362.1/9

+ sign 33.755+/-0.197 χ^2/NDF: 1990.7/26

All: 33.003+/-0.139 χ^2/NDF: 3261.2/55

- sign 32.253+/-0.197 χ^2/NDF: 1241.4/28

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -47.969+/-0.327 χ^2/NDF:718.8/10

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

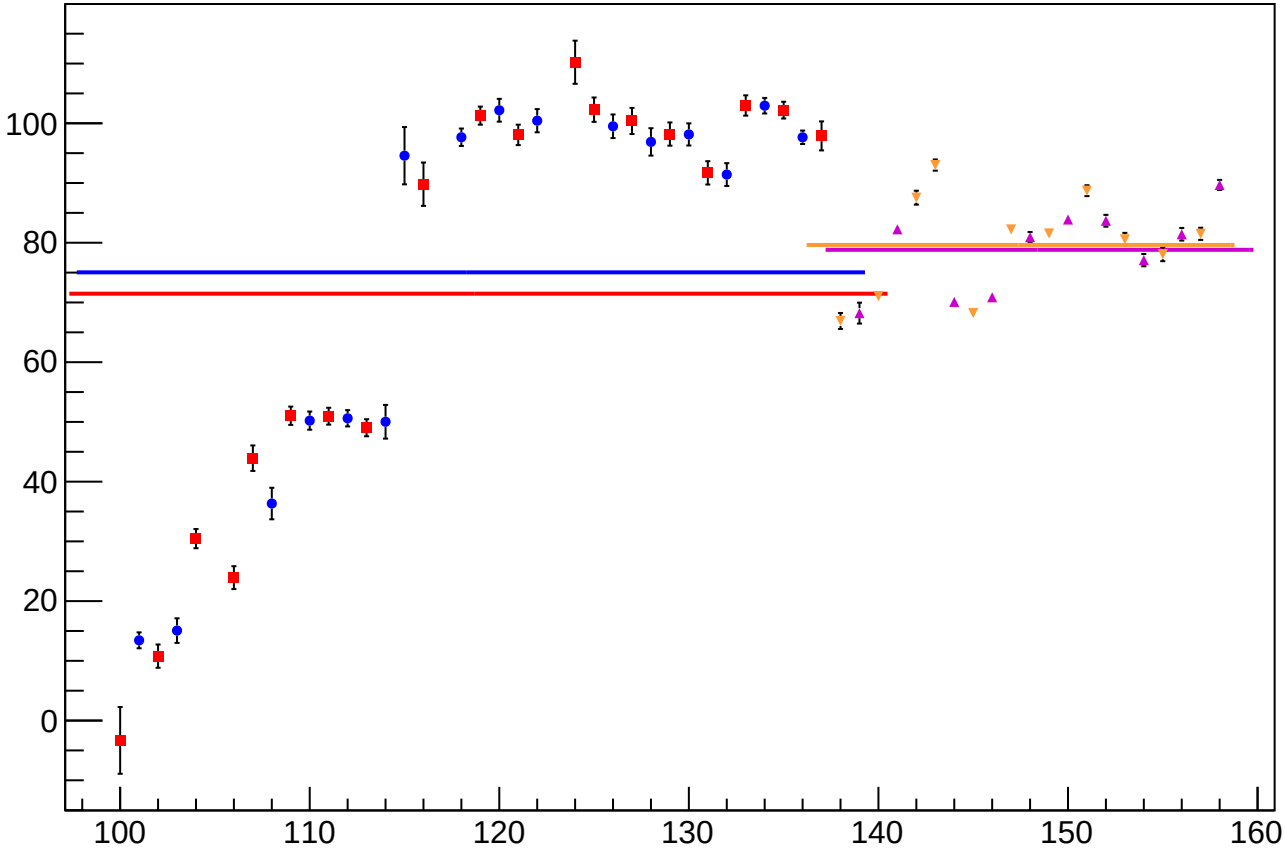
Left In: -48.622+/-0.325 χ^2/NDF:656.1/9

\+ sign -47.221+/-0.251 χ^2/NDF: 2221.1/26

All: -46.876+/-0.176 χ^2/NDF: 4640.4/55

\- sign -46.542+/-0.247 χ^2/NDF: 2415.5/28

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 79.630+/-0.279 χ^2/NDF:812.9/10

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

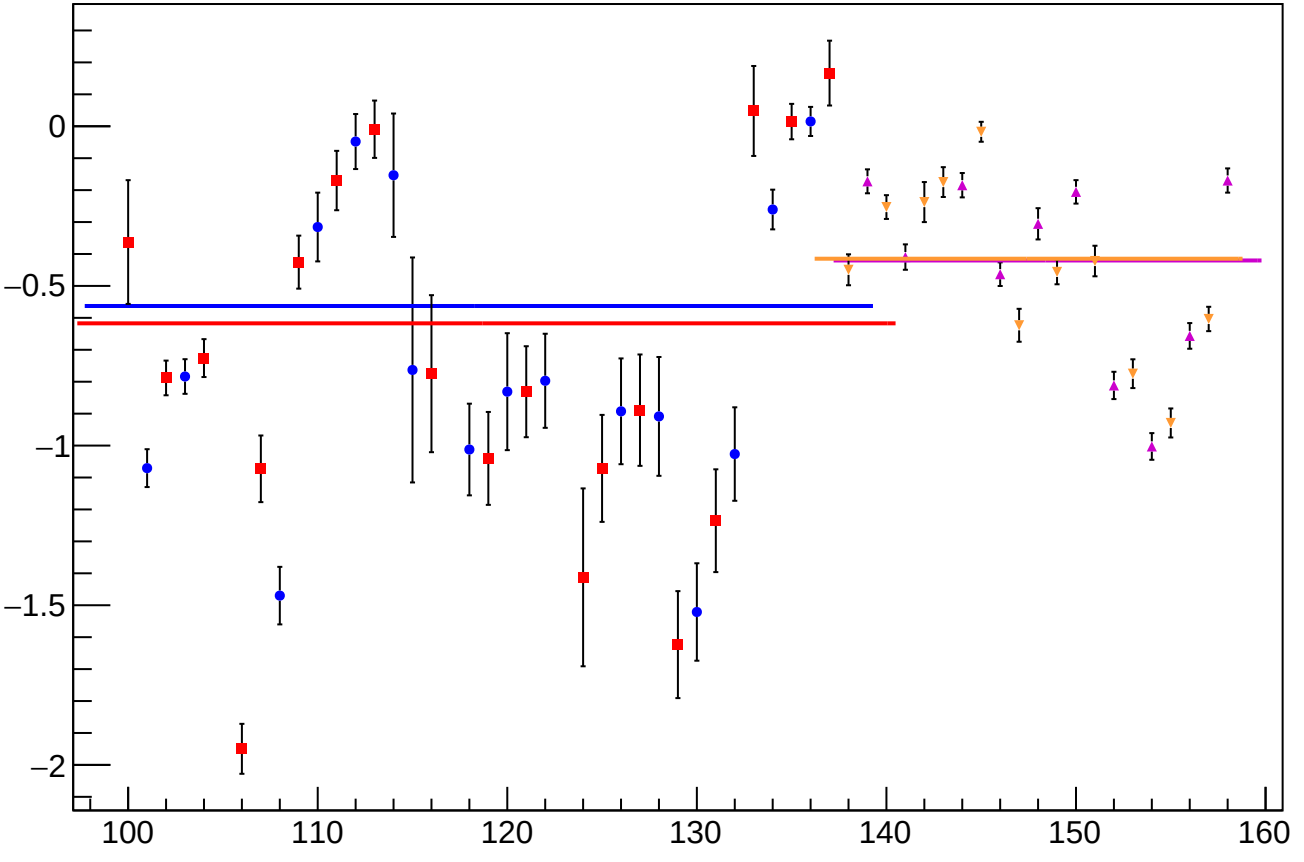
Left In: 78.815+/-0.275 χ^2/NDF:586.3/9

+ sign 78.259+/-0.234 χ^2/NDF: 6722.0/26

All: 77.448+/-0.164 χ^2/NDF: 13170.8/55

- sign 76.657+/-0.231 χ^2/NDF: 6425.0/28

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.415+/-0.013 χ^2/NDF:450.0/10

Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

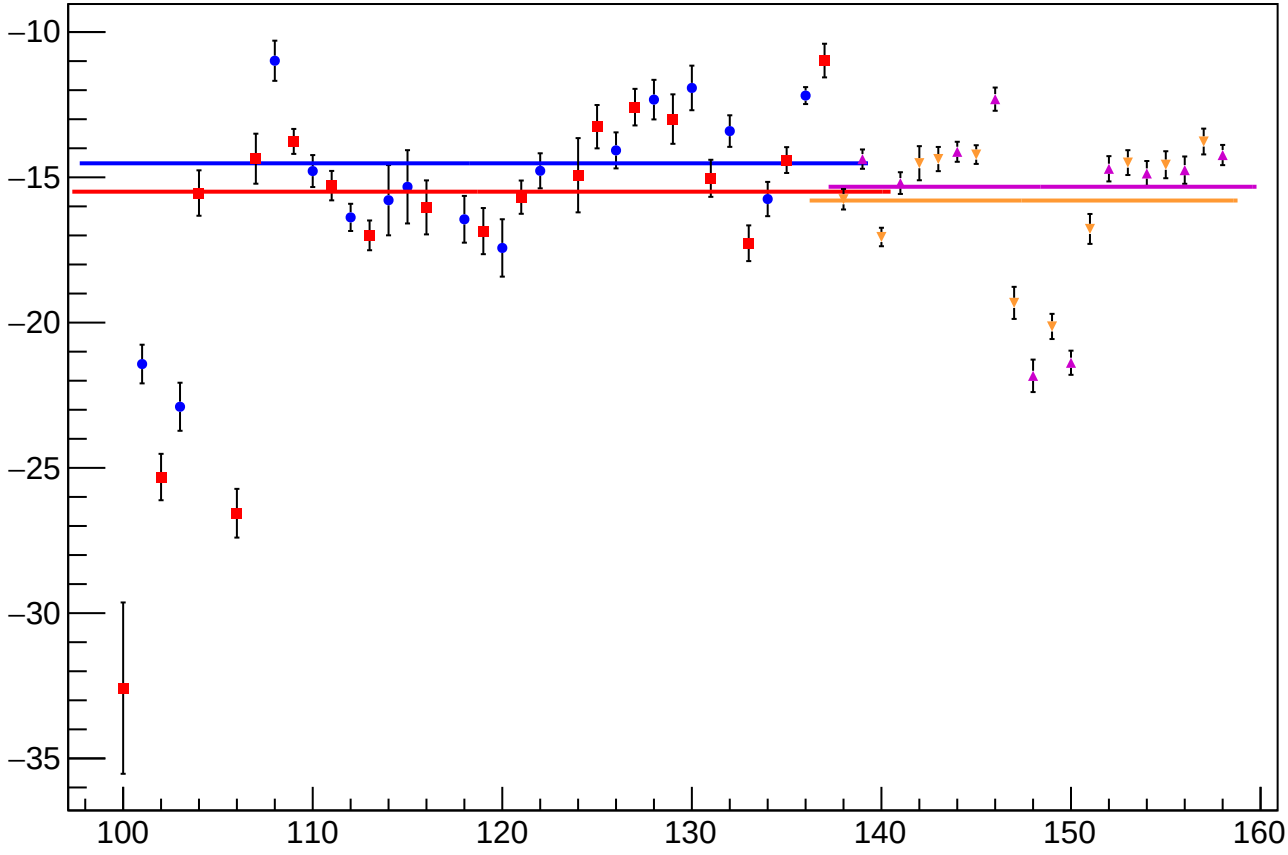
Left In: -0.420+/-0.013 χ^2/NDF:479.4/9

+ sign -0.452+/-0.011 χ^2/NDF: 976.2/26

All: -0.460+/-0.008 χ^2/NDF: 2206.4/55

- sign -0.468+/-0.011 χ^2/NDF: 1229.1/28

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -14.518+/-0.149 χ^2/NDF: 363.3/15

Left Out: -15.798+/-0.125 χ^2/NDF:238.0/10

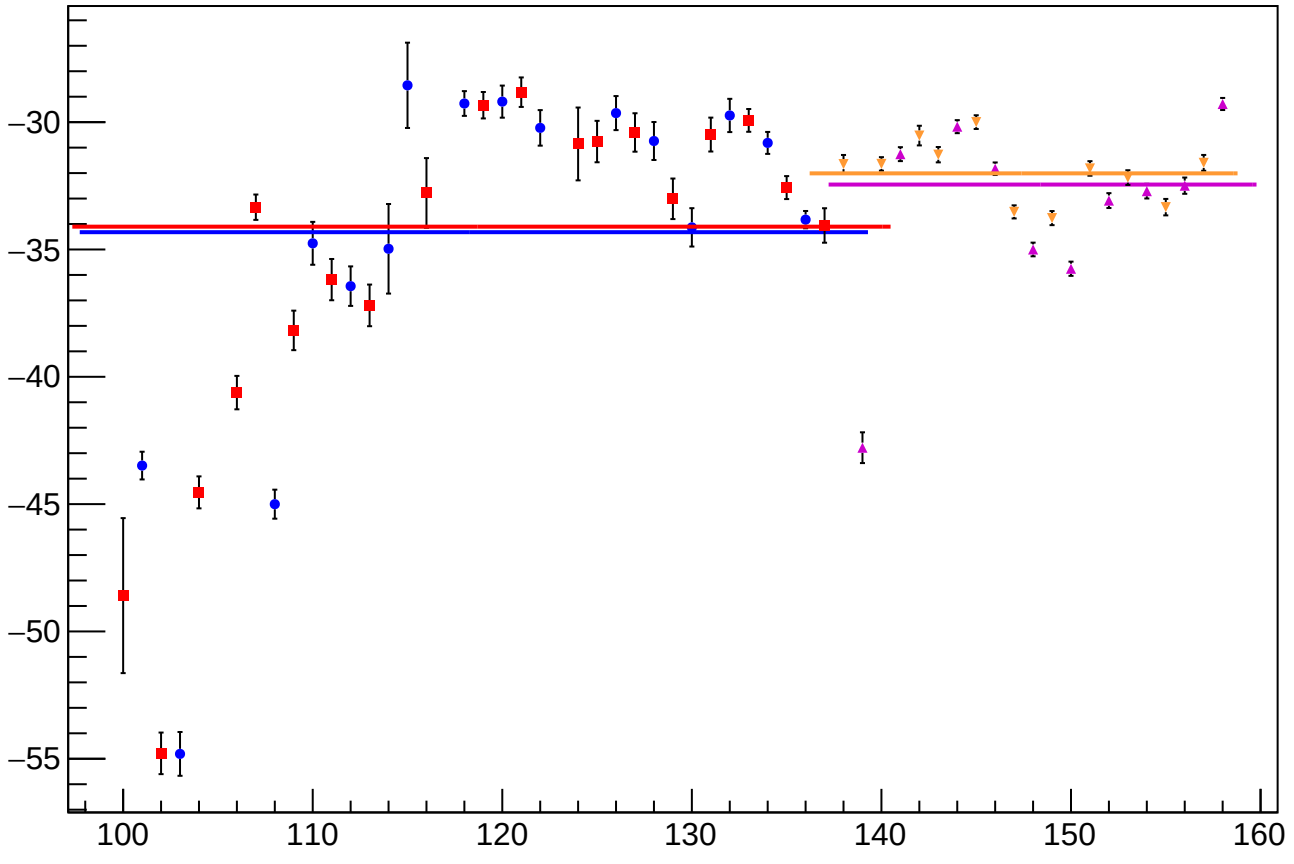
Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

Left In: -15.324+/-0.126 χ^2/NDF:439.6/9

+ sign -15.270+/-0.096 χ^2/NDF: 644.5/26

All: -15.332+/-0.068 χ^2/NDF: 1589.5/55

- sign -15.394+/-0.096 χ^2/NDF: 944.2/28



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -32.011+/-0.089 χ^2/NDF:173.8/10

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

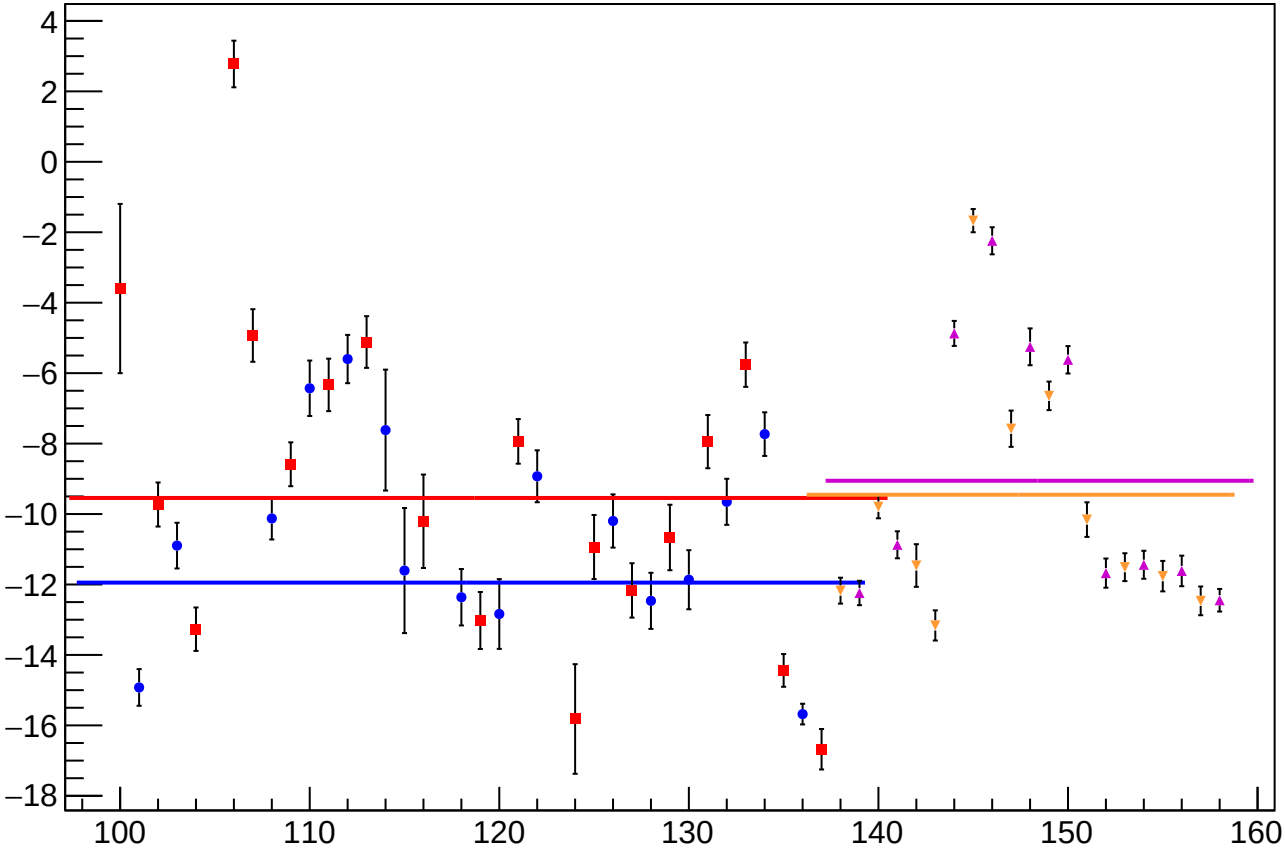
Left In: -32.450+/-0.089 χ^2/NDF:809.6/9

+ sign -32.595+/-0.077 χ^2/NDF: 1964.0/26

All: -32.730+/-0.055 χ^2/NDF: 4300.8/55

- sign -32.865+/-0.077 χ^2/NDF: 2330.6/28

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: -11.946+/-0.160 χ^2/NDF: 430.0/15

Left Out: -9.452+/-0.123 χ^2/NDF:871.6/10

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

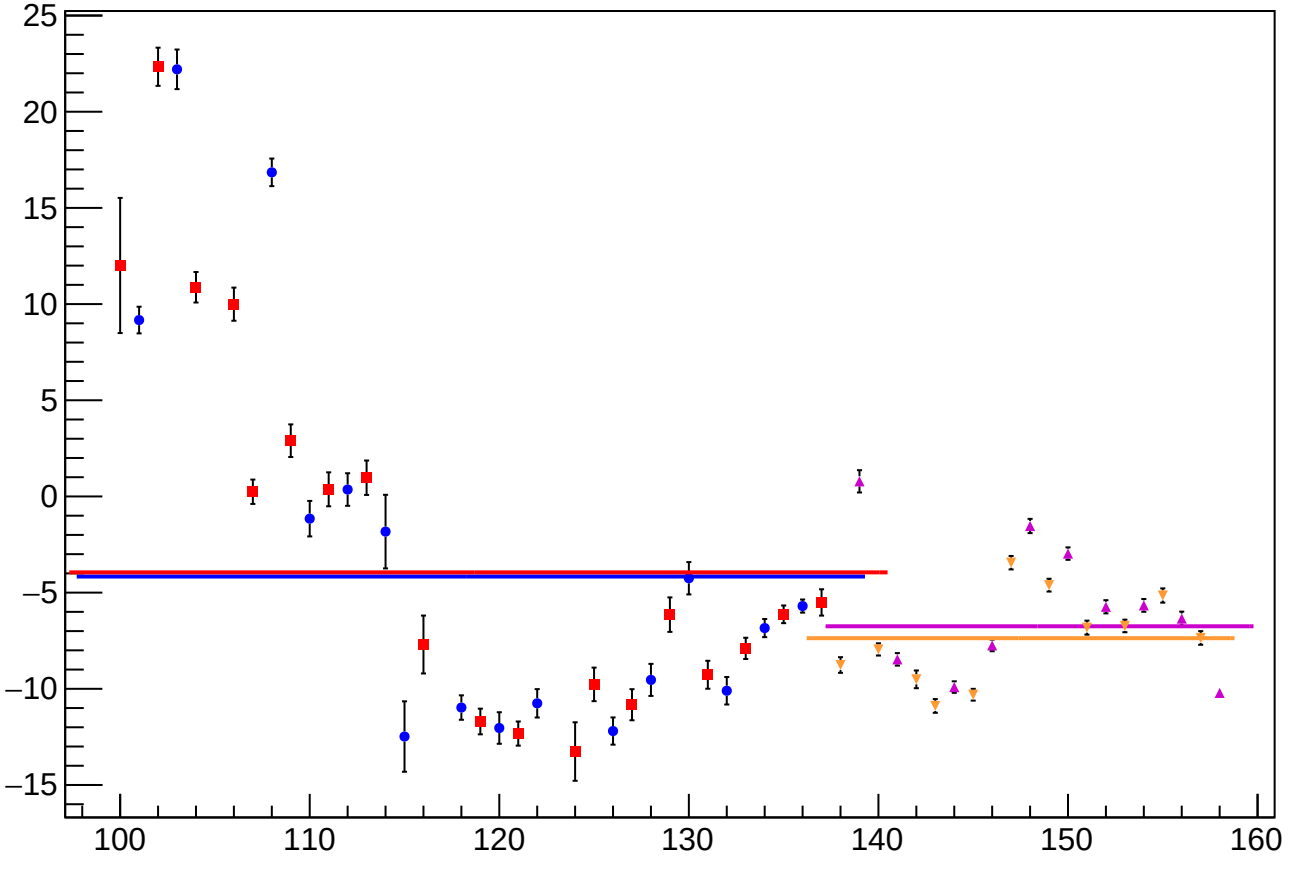
Left In: -9.055+/-0.122 χ^2/NDF:913.1/9

+ sign -10.379+/-0.098 χ^2/NDF: 1454.0/26

All: -9.806+/-0.069 χ^2/NDF: 3289.2/55

- sign -9.228+/-0.098 χ^2/NDF: 1765.9/28

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -4.163+/-0.172 χ^2/NDF: 2525.0/15

Left Out: -7.369+/-0.106 χ^2/NDF:461.9/10

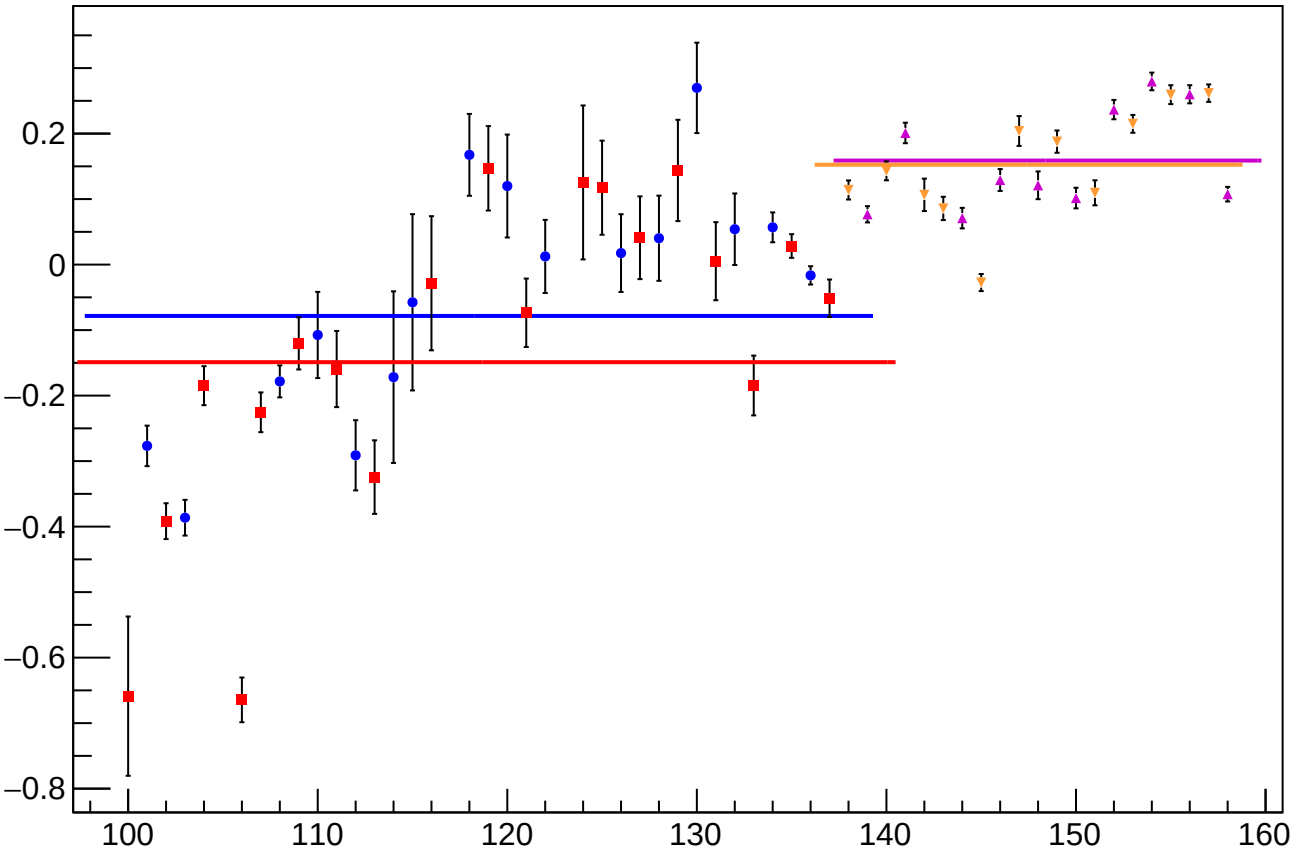
Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

Left In: -6.750+/-0.104 χ^2/NDF:867.4/9

+ sign -6.481+/-0.090 χ^2/NDF: 3238.3/26

All: -6.251+/-0.064 χ^2/NDF: 6416.7/55

- sign -6.025+/-0.090 χ^2/NDF: 3165.5/28



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.152+/-0.005 χ^2/NDF:372.8/10

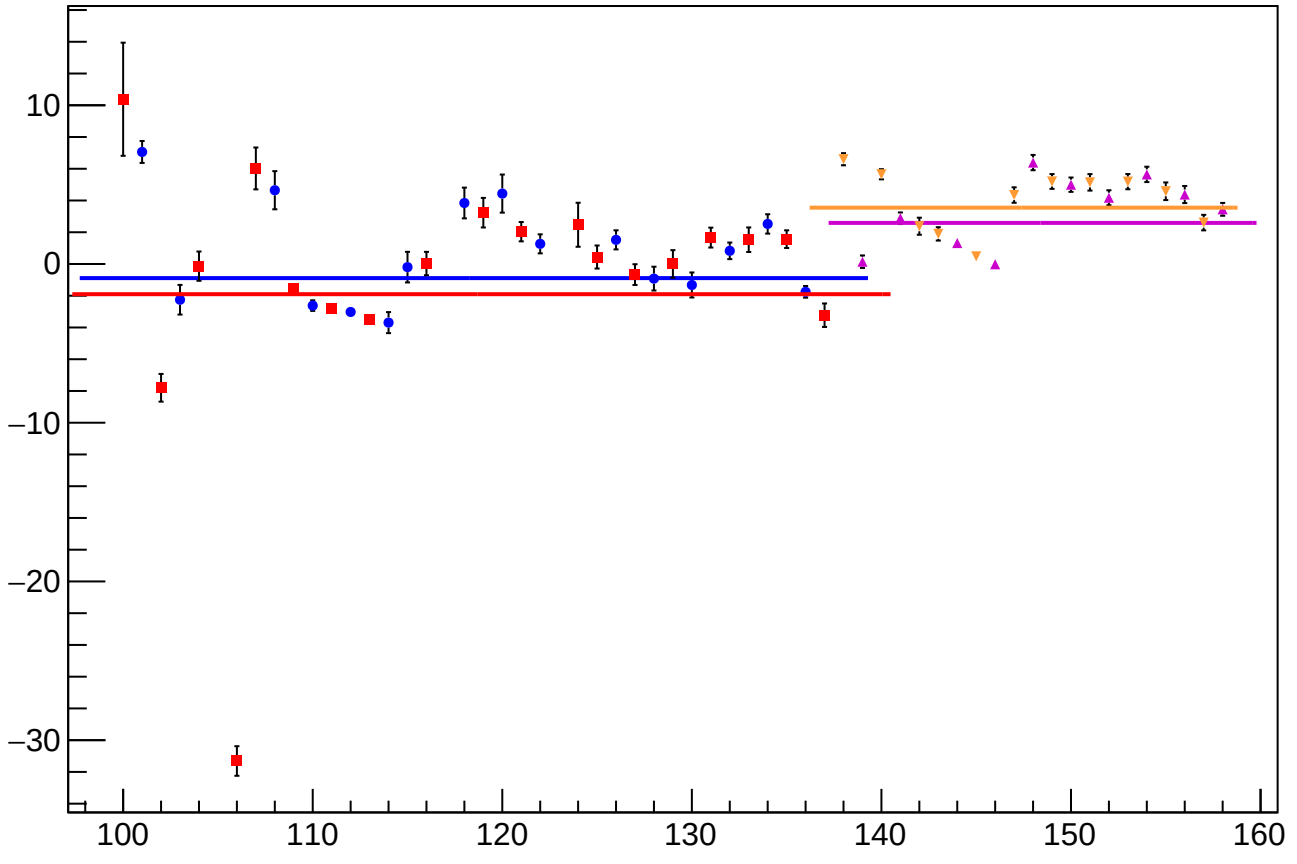
Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

Left In: 0.159+/-0.005 χ^2/NDF:284.3/9

+ sign 0.098+/-0.004 χ^2/NDF: 1245.9/26

All: 0.097+/-0.003 χ^2/NDF: 2972.3/55

- sign 0.096+/-0.004 χ^2/NDF: 1726.4/28



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 3.550+/-0.123 χ^2/NDF:327.1/10

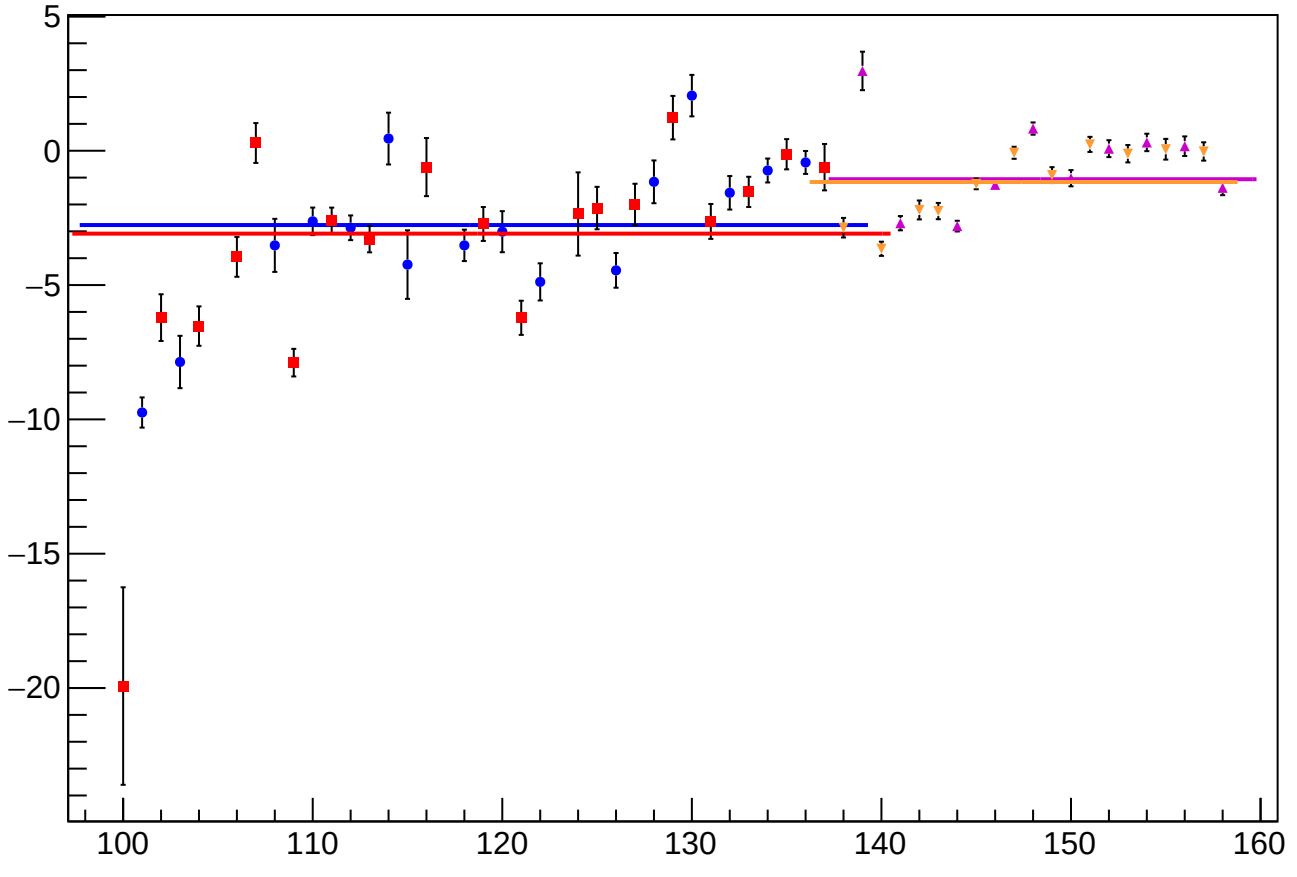
Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 2.589+/-0.123 χ^2/NDF:293.2/9

+ sign 1.570+/-0.091 χ^2/NDF: 1292.5/26

All: 0.990+/-0.064 χ^2/NDF: 3635.4/55

- sign 0.441+/-0.089 χ^2/NDF: 2264.1/28



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -1.164+/-0.086 χ^2/NDF:212.5/10

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

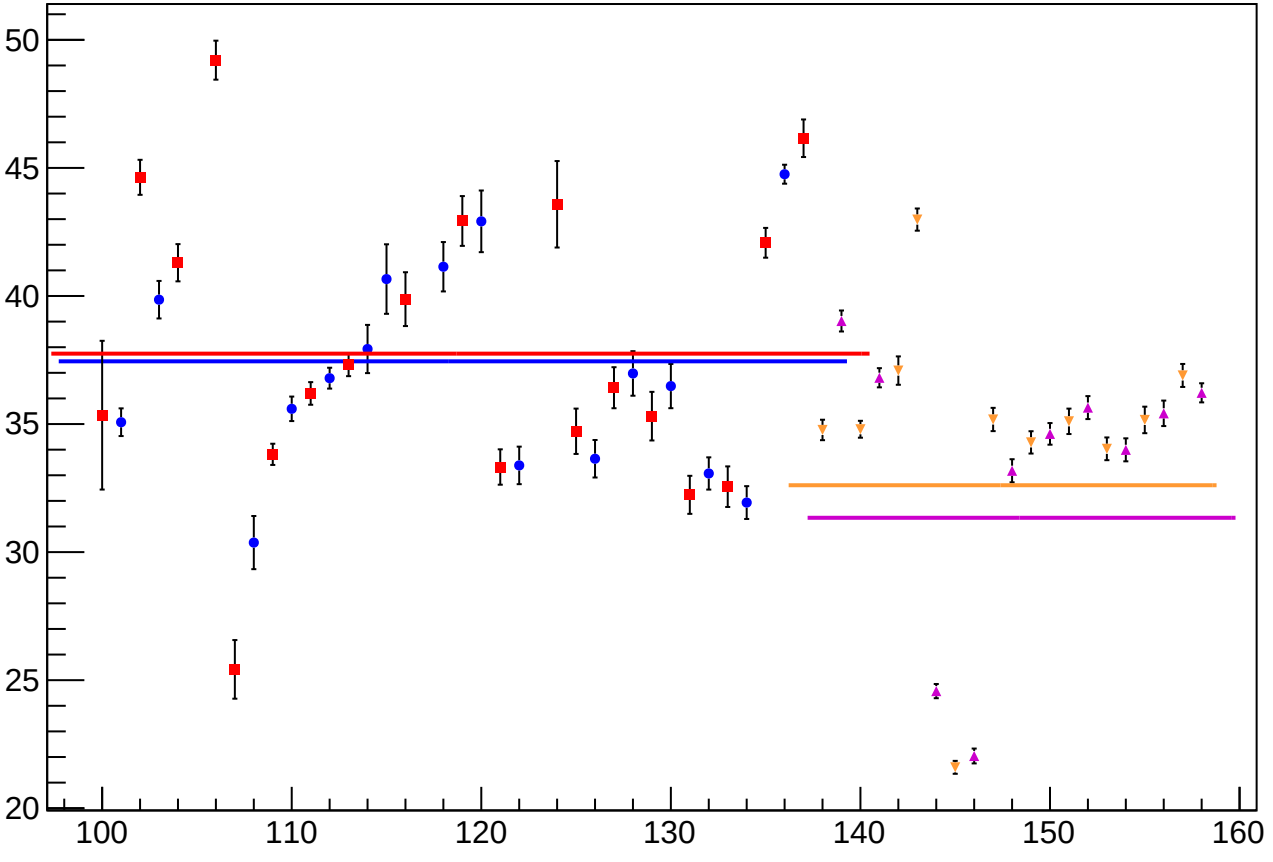
Left In: -1.060+/-0.083 χ^2/NDF:259.9/9

+ sign -1.538+/-0.075 χ^2/NDF: 603.2/26

All: -1.520+/-0.053 χ^2/NDF: 1264.8/55

- sign -1.504+/-0.074 χ^2/NDF: 661.5/28

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 37.449+/-0.161 χ^2/NDF: 706.9/15

Left Out: 32.611+/-0.122 χ^2/NDF:2813.1/10

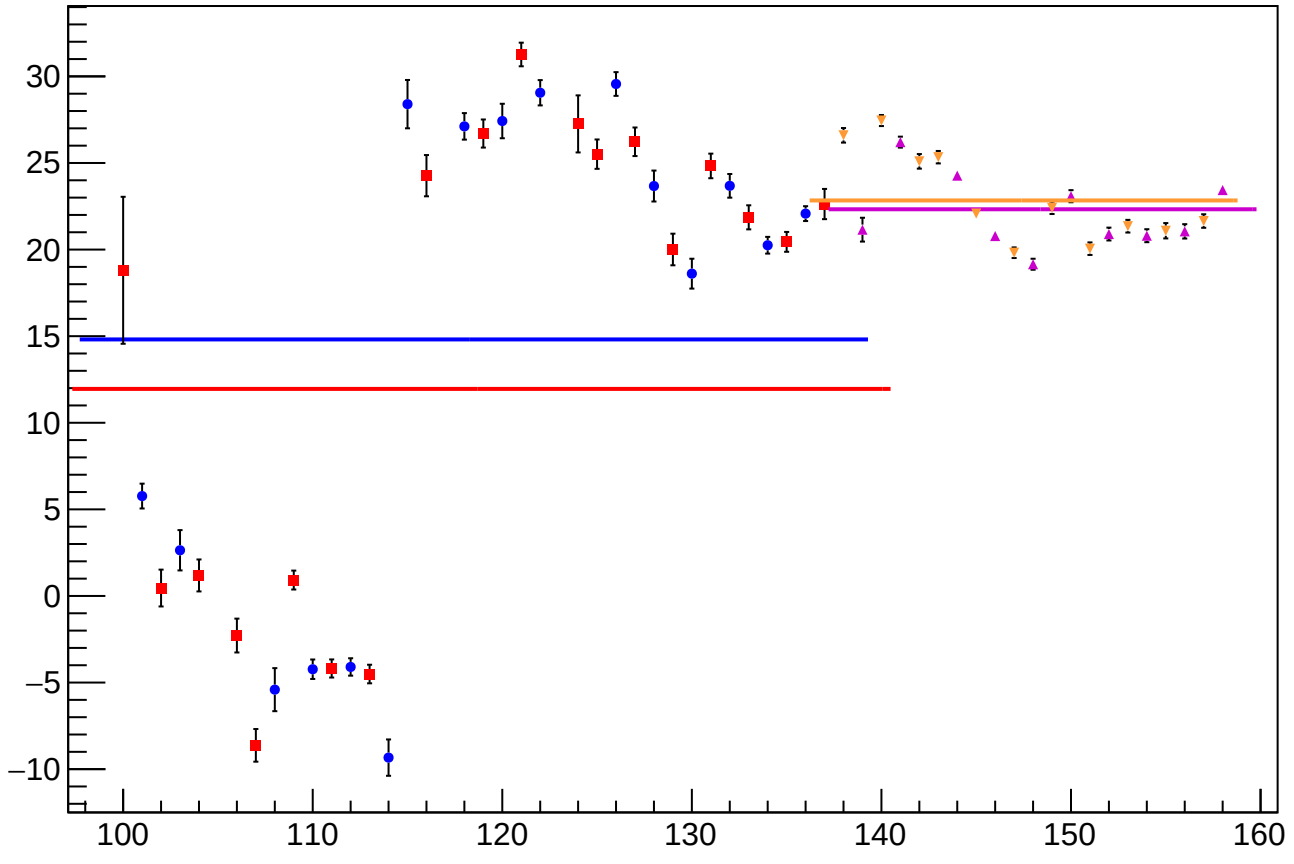
Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

Left In: 31.340+/-0.120 χ^2/NDF:2627.9/9

+ sign 34.371+/-0.097 χ^2/NDF: 4096.4/26

All: 34.009+/-0.068 χ^2/NDF: 8748.0/55

- sign 33.655+/-0.096 χ^2/NDF: 4623.9/28



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 22.837+/-0.104 χ^2/NDF:575.3/10

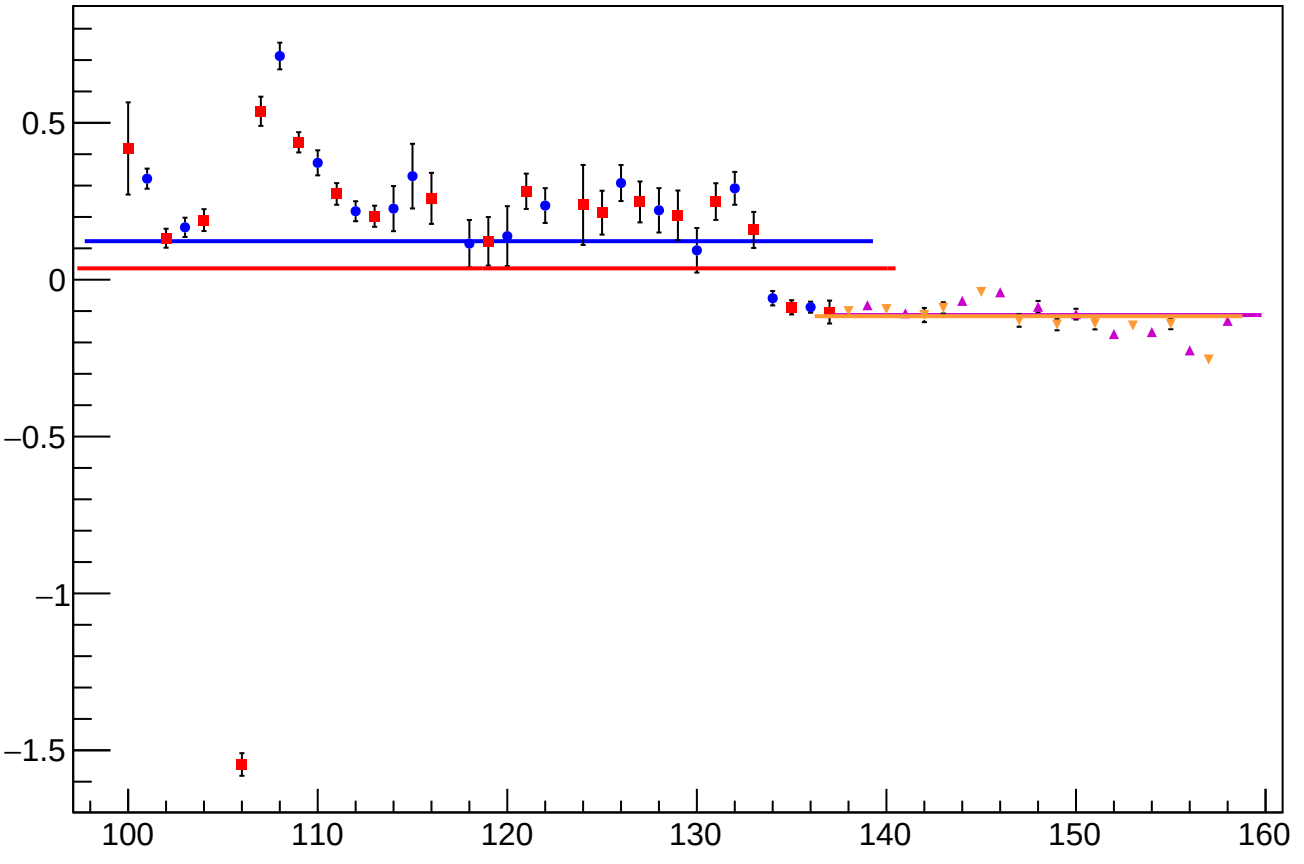
Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 22.327+/-0.100 χ^2/NDF:430.7/9

+ sign 20.733+/-0.089 χ^2/NDF: 7833.4/26

All: 20.270+/-0.062 χ^2/NDF: 17034.9/55

- sign 19.831+/-0.087 χ^2/NDF: 9148.8/28



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.116+/-0.005 χ^2/NDF:163.5/10

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

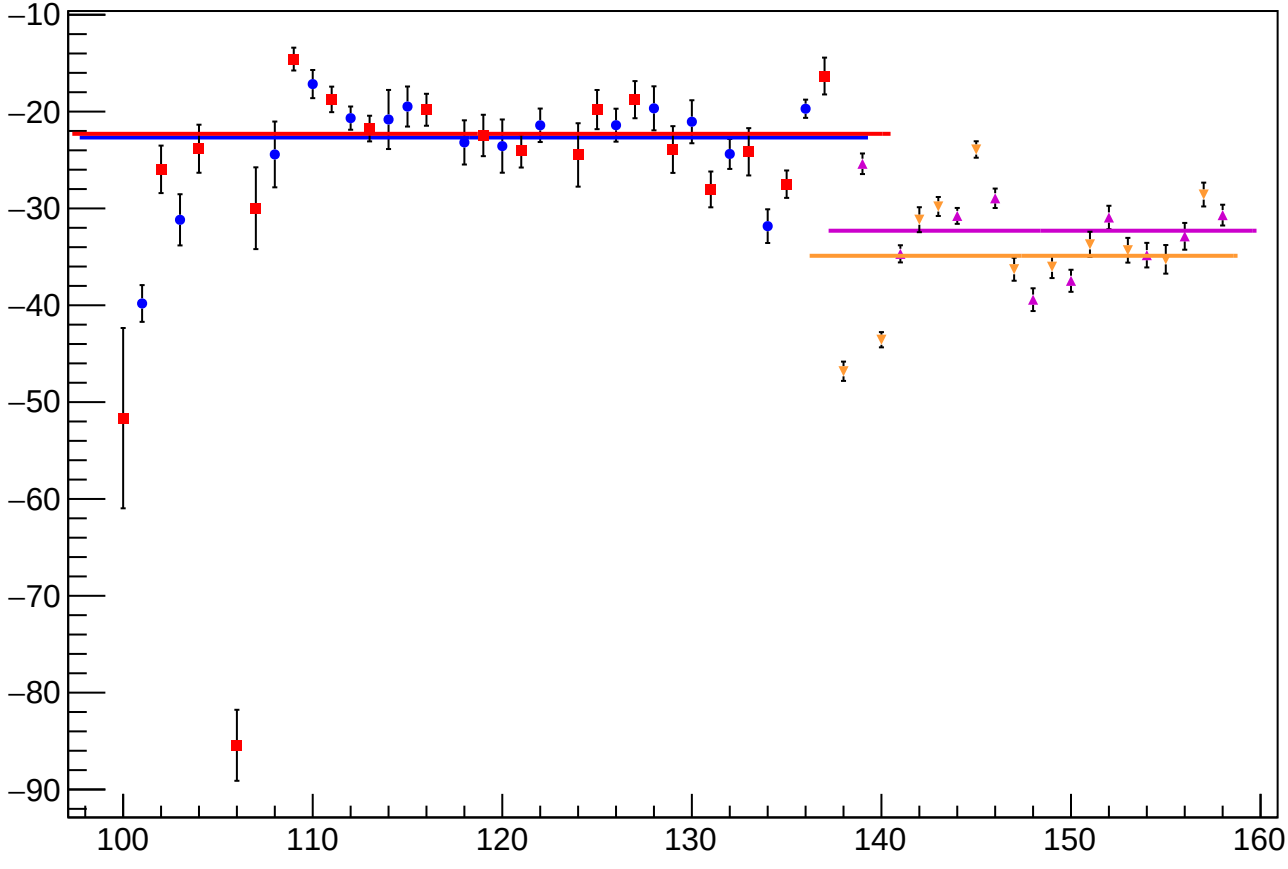
Left In: -0.113+/-0.005 χ^2/NDF:133.1/9

+ sign -0.067+/-0.004 χ^2/NDF: 1197.0/26

All: -0.077+/-0.003 χ^2/NDF: 3943.0/55

- sign -0.085+/-0.004 χ^2/NDF: 2737.0/28

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -22.675+/-0.435 χ^2/NDF: 154.4/15

Left Out: -34.890+/-0.326 χ^2/NDF:496.9/10

Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

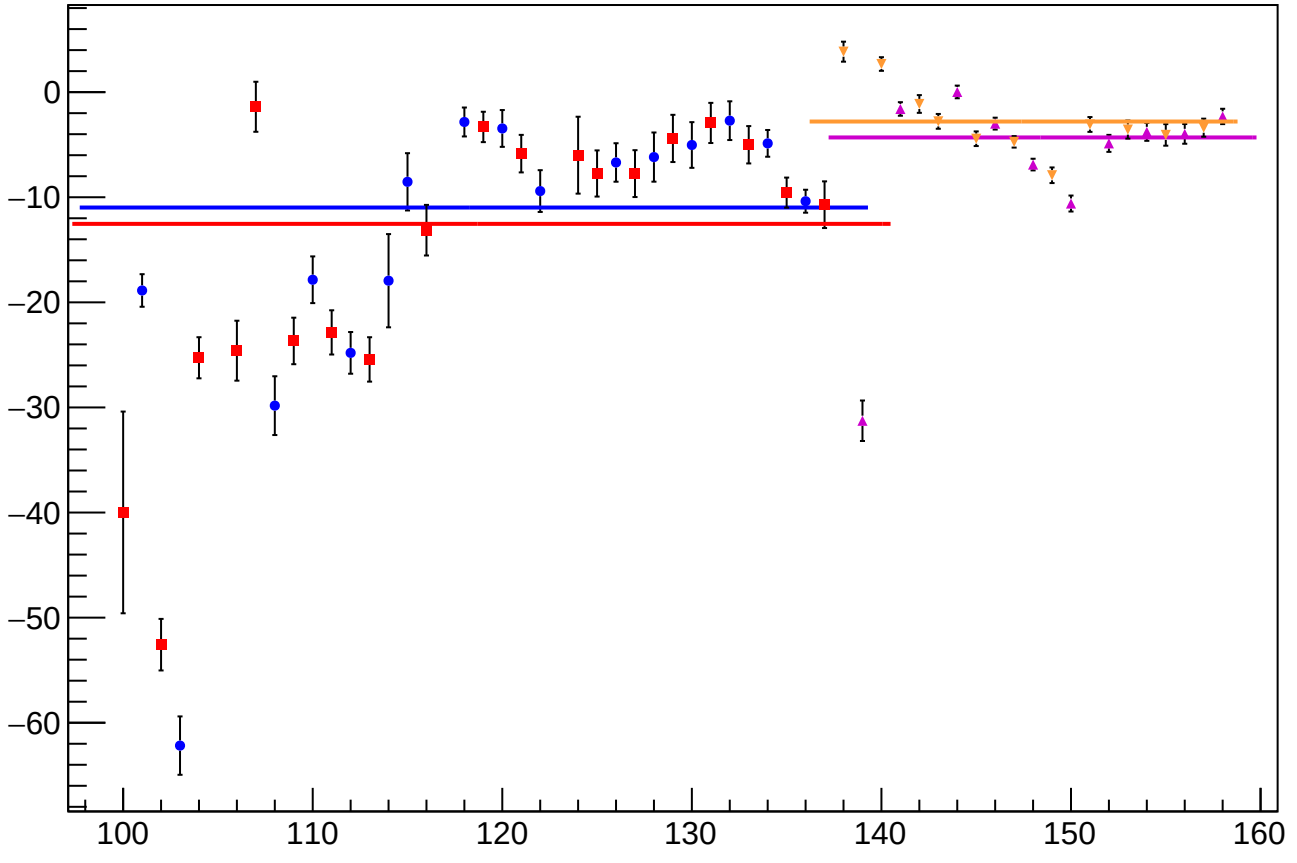
Left In: -32.301+/-0.337 χ^2/NDF:129.2/9

+ sign -30.491+/-0.261 χ^2/NDF: 1157.0/26

All: -29.543+/-0.186 χ^2/NDF: 2049.4/55

- sign -28.556+/-0.266 χ^2/NDF: 865.5/28

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: -2.795+/-0.225 χ^2/NDF:192.2/10

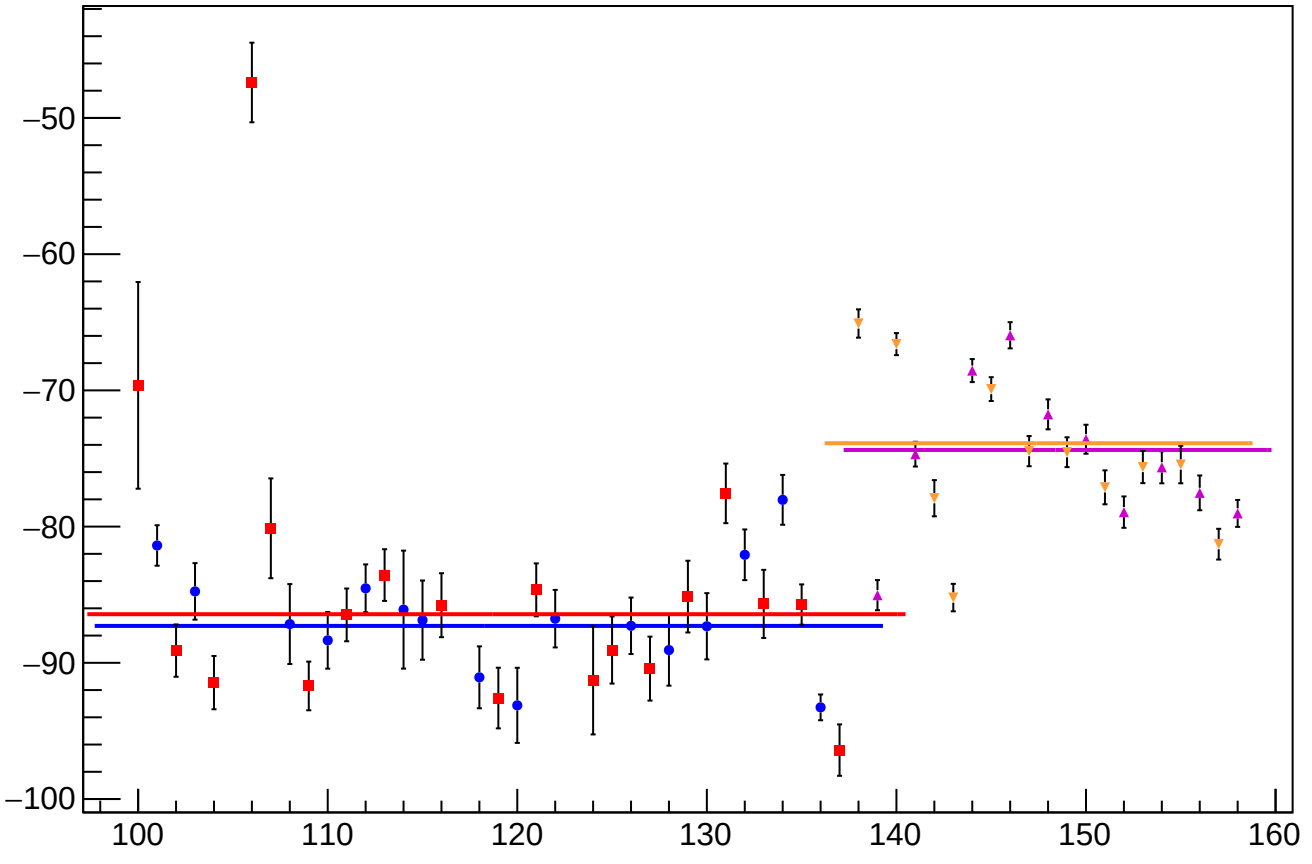
Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

Left In: -4.311+/-0.227 χ^2/NDF:369.0/9

+ sign -4.410+/-0.201 χ^2/NDF: 1041.0/26

All: -5.095+/-0.144 χ^2/NDF: 2244.8/55

- sign -5.805+/-0.205 χ^2/NDF: 1180.3/28



Right In: -87.291+/-0.481 χ^2/NDF: 101.2/15

Left Out: -73.879+/-0.322 χ^2/NDF:362.7/10

Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

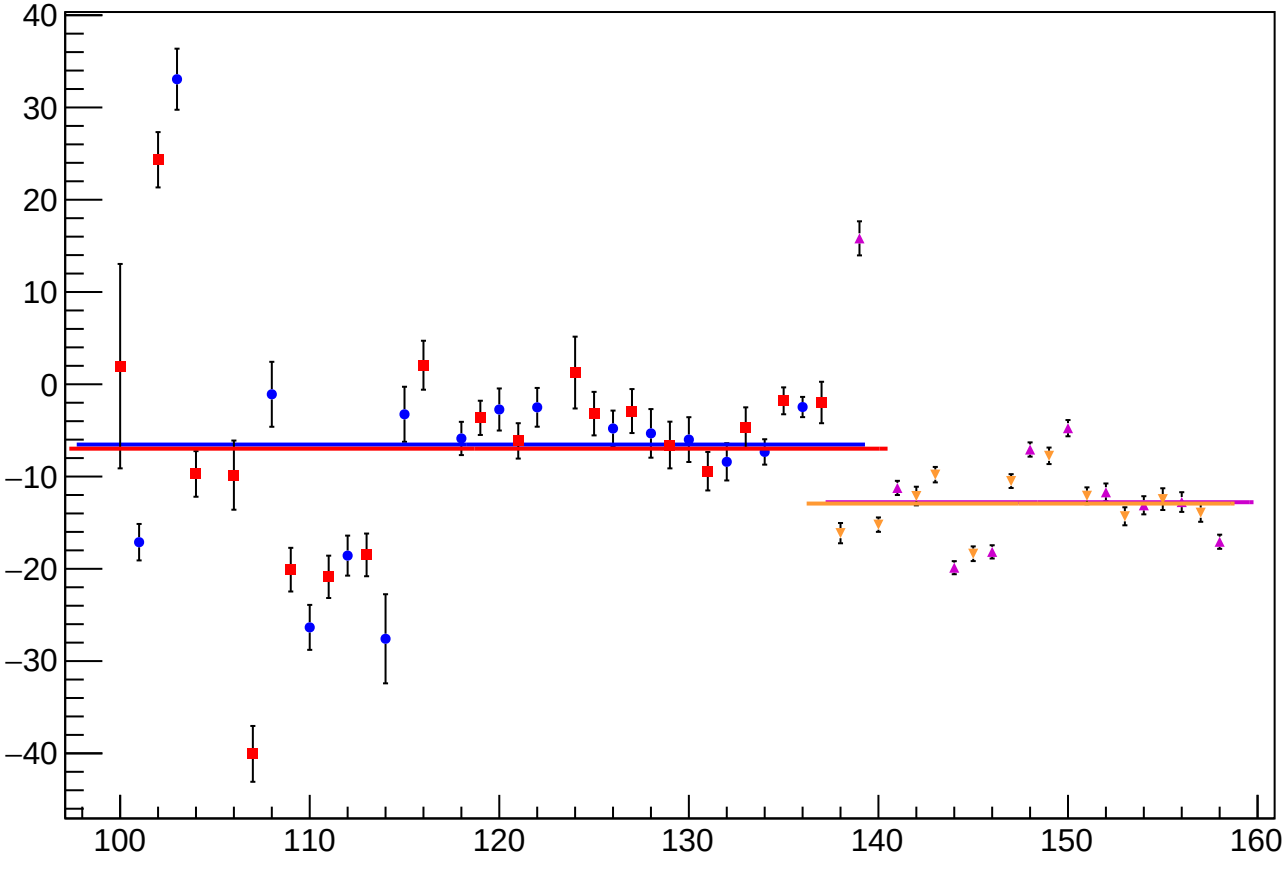
Left In: -74.374+/-0.327 χ^2/NDF:268.3/9

+ sign -78.036+/-0.268 χ^2/NDF: 1001.3/26

All: -77.986+/-0.192 χ^2/NDF: 1934.7/55

- sign -77.933+/-0.275 χ^2/NDF: 933.4/28

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -6.535+/-0.508 χ^2/NDF: 313.9/15

Left Out: -12.928+/-0.272 χ^2/NDF:126.3/10

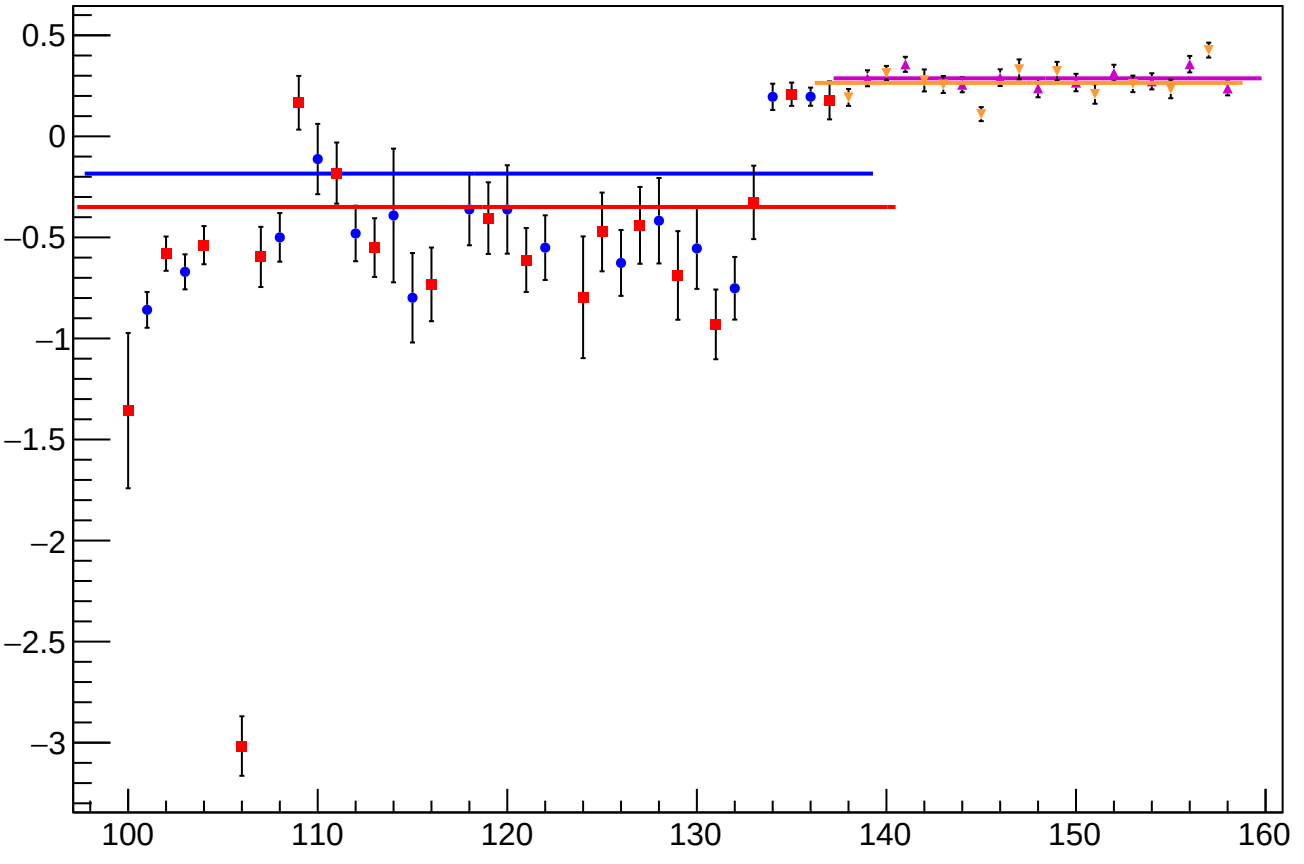
Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

Left In: -12.782+/-0.271 χ^2/NDF:569.8/9

+ sign -11.500+/-0.240 χ^2/NDF: 563.3/26

All: -11.558+/-0.171 χ^2/NDF: 1593.3/55

- sign -11.617+/-0.243 χ^2/NDF: 1029.9/28



Right In: -0.184+/-0.027 χ^2/NDF: 247.3/15

Left Out: 0.265+/-0.013 χ^2/NDF:49.2/10

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

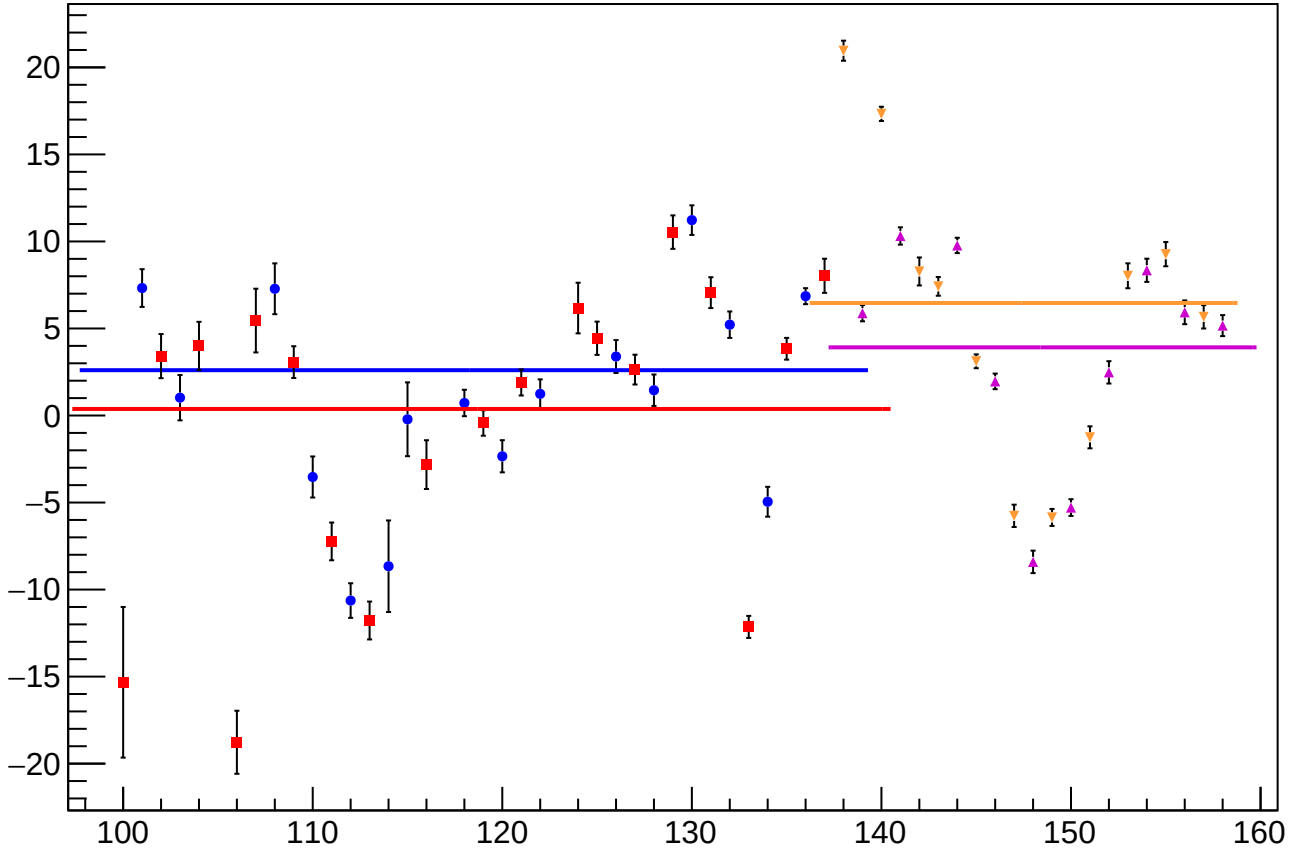
Left In: 0.287+/-0.013 χ^2/NDF:11.2/9

+ sign 0.182+/-0.011 χ^2/NDF: 526.2/26

All: 0.185+/-0.008 χ^2/NDF: 1452.3/55

- sign 0.189+/-0.012 χ^2/NDF: 926.0/28

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.604+/-0.224 χ^2/NDF: 573.1/15

Left Out: 6.466+/-0.167 χ^2/NDF:2591.2/10

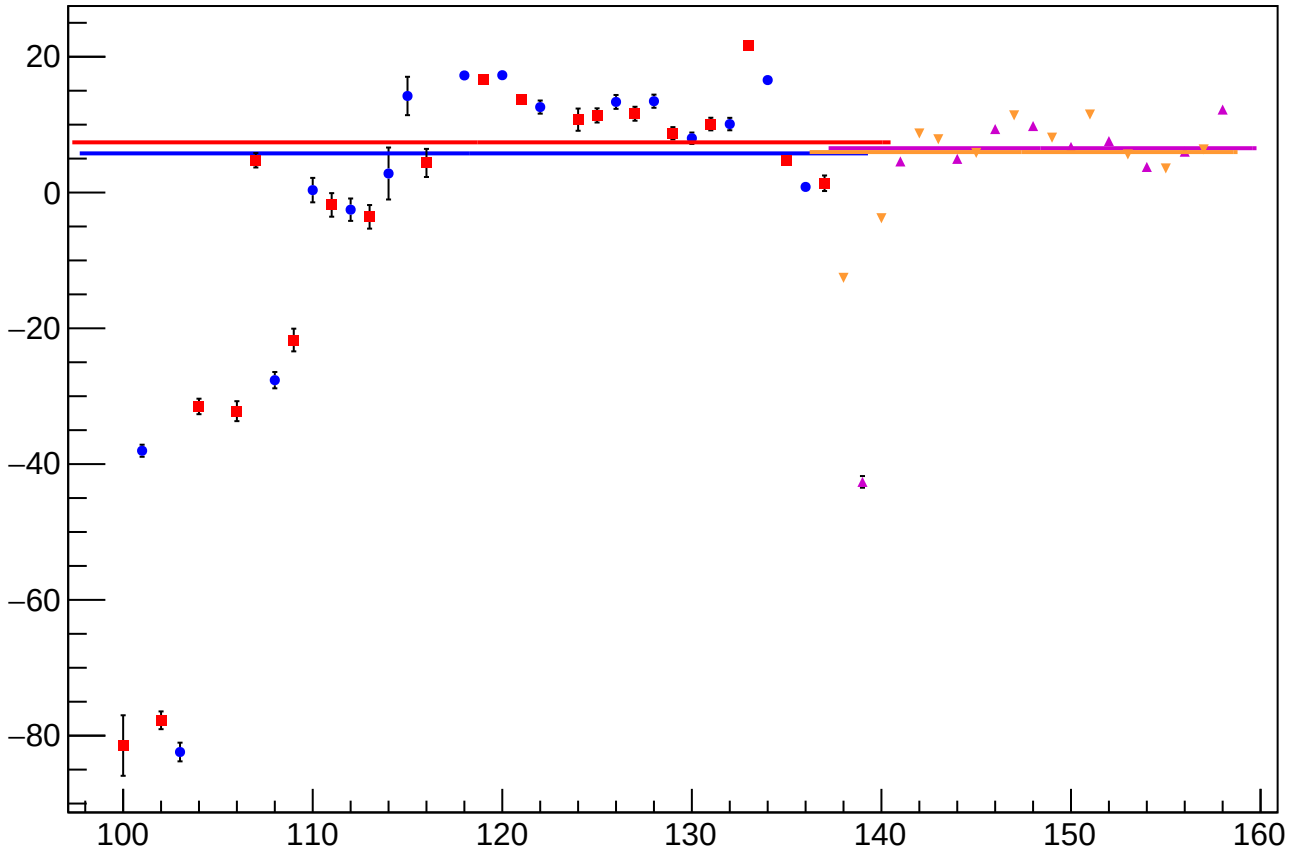
Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

Left In: 3.916+/-0.169 χ^2/NDF:1171.2/9

+ sign 5.083+/-0.134 χ^2/NDF: 3355.0/26

All: 3.855+/-0.095 χ^2/NDF: 5886.0/55

- sign 2.619+/-0.135 χ^2/NDF: 2362.8/28



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: 5.959+/-0.117 χ^2/NDF:2518.7/10

Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

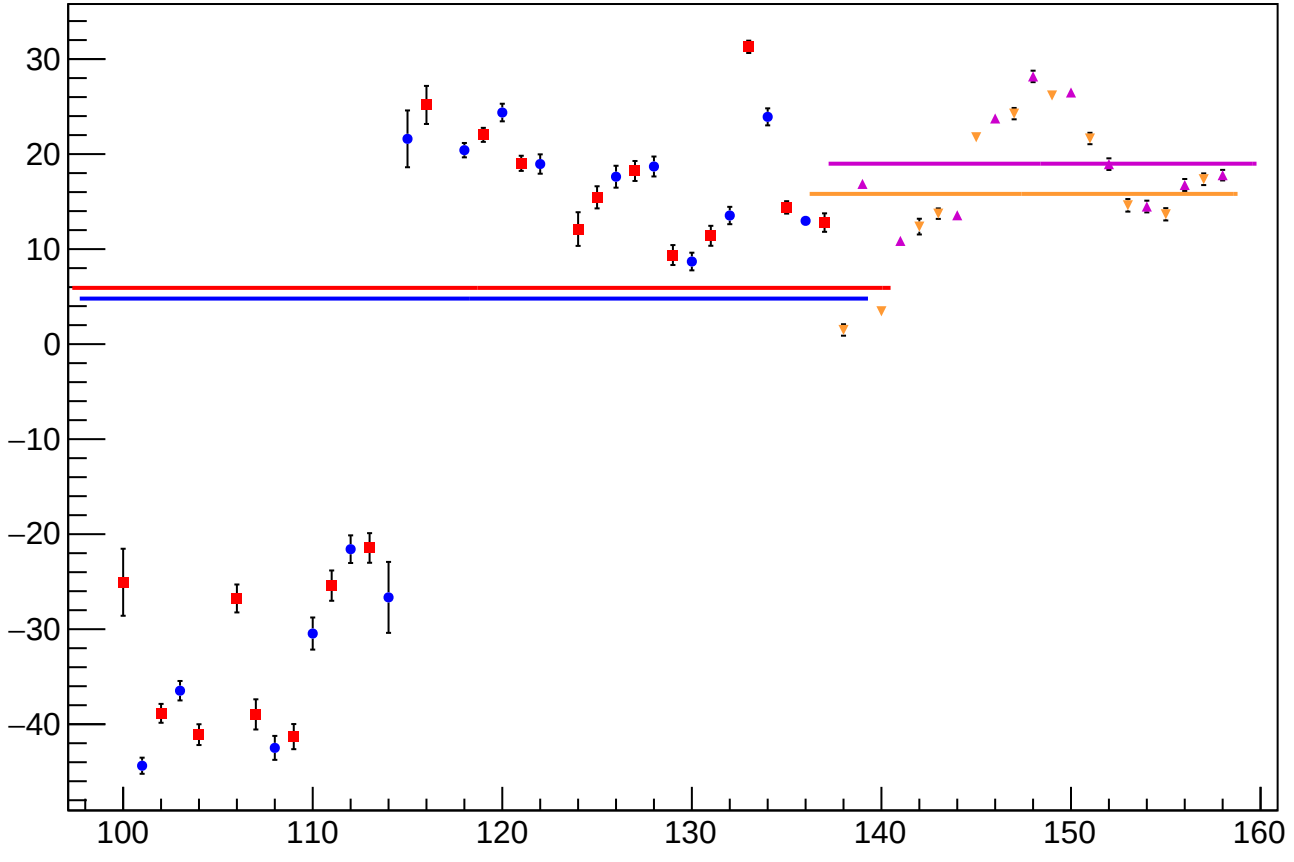
Left In: 6.530+/-0.118 χ^2/NDF:3780.5/9

+ sign 5.914+/-0.102 χ^2/NDF: 11453.1/26

All: 6.324+/-0.072 χ^2/NDF: 23669.6/55

- sign 6.738+/-0.103 χ^2/NDF: 12184.0/28

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 15.812+/-0.165 χ^2/NDF:2505.0/10

Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

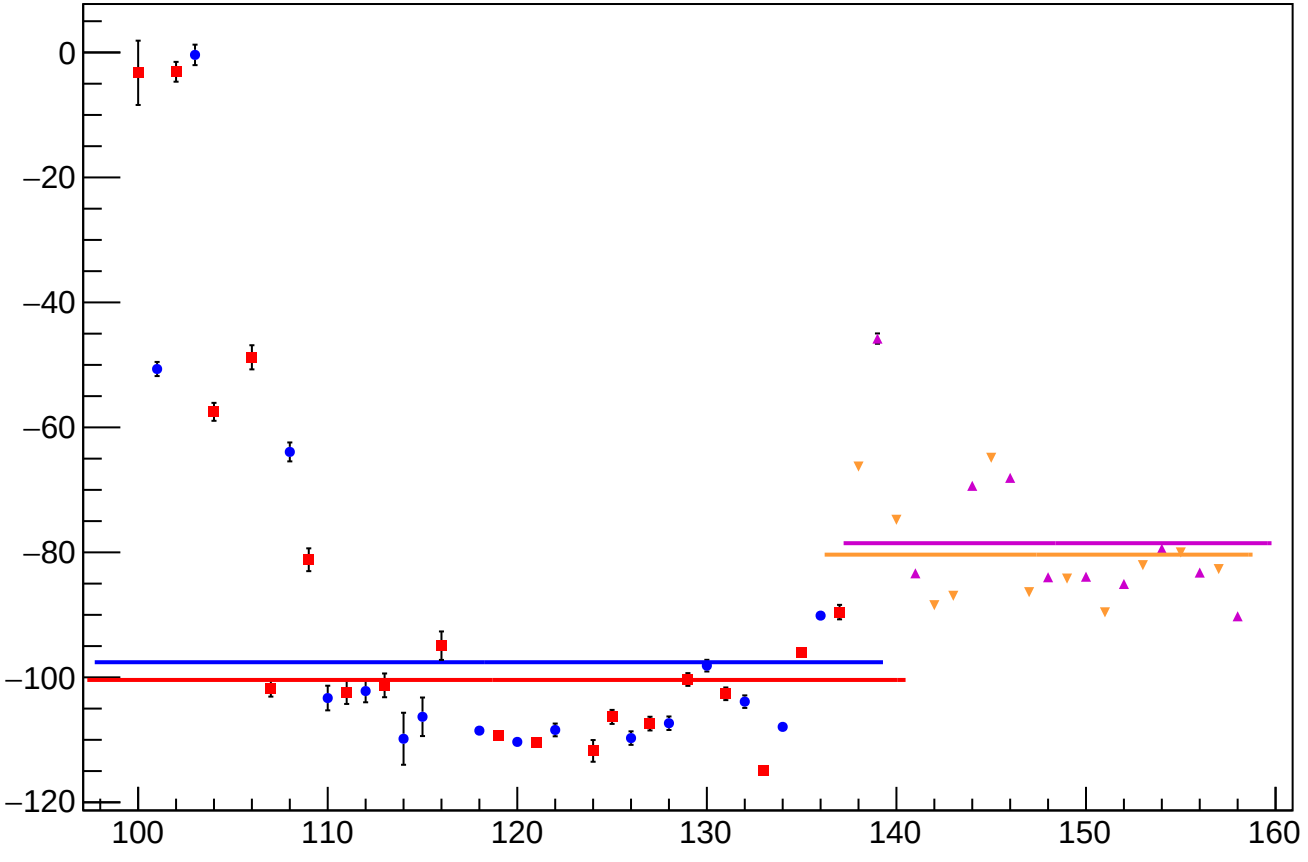
Left In: 18.990+/-0.164 χ^2/NDF:1116.0/9

+ sign 12.229+/-0.135 χ^2/NDF: 13455.4/26

All: 13.519+/-0.096 χ^2/NDF: 26832.3/55

- sign 14.814+/-0.136 χ^2/NDF: 13195.0/28

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -80.365+/-0.141 χ^2/NDF:3463.5/10

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

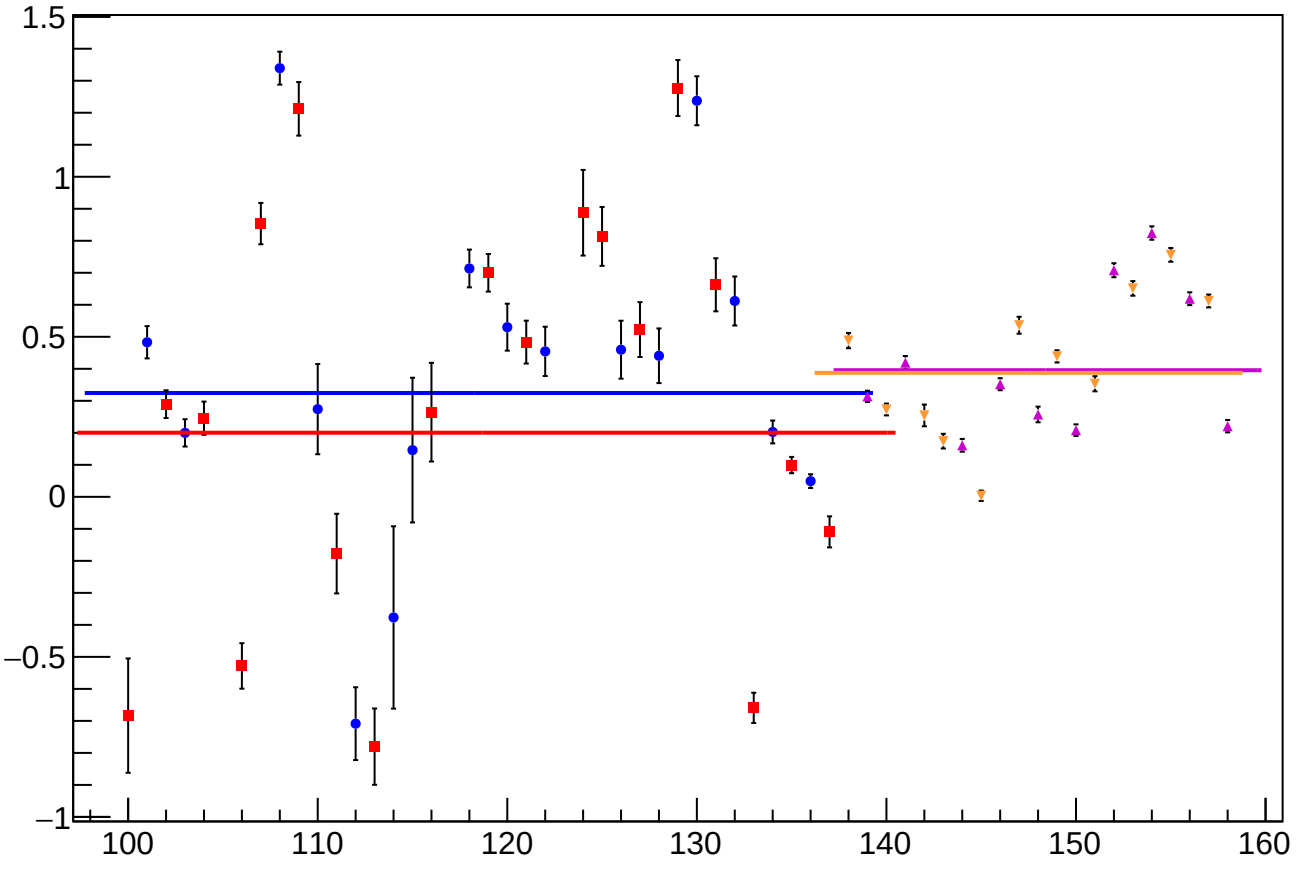
Left In: -78.533+/-0.140 χ^2/NDF:4566.5/9

+ sign -84.719+/-0.122 χ^2/NDF: 14398.6/26

All: -84.371+/-0.086 χ^2/NDF: 32274.2/55

- sign -84.027+/-0.121 χ^2/NDF: 17859.3/28

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.324+/-0.013 χ^2/NDF: 886.5/15

Left Out: 0.387+/-0.006 χ^2/NDF:1312.2/10

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

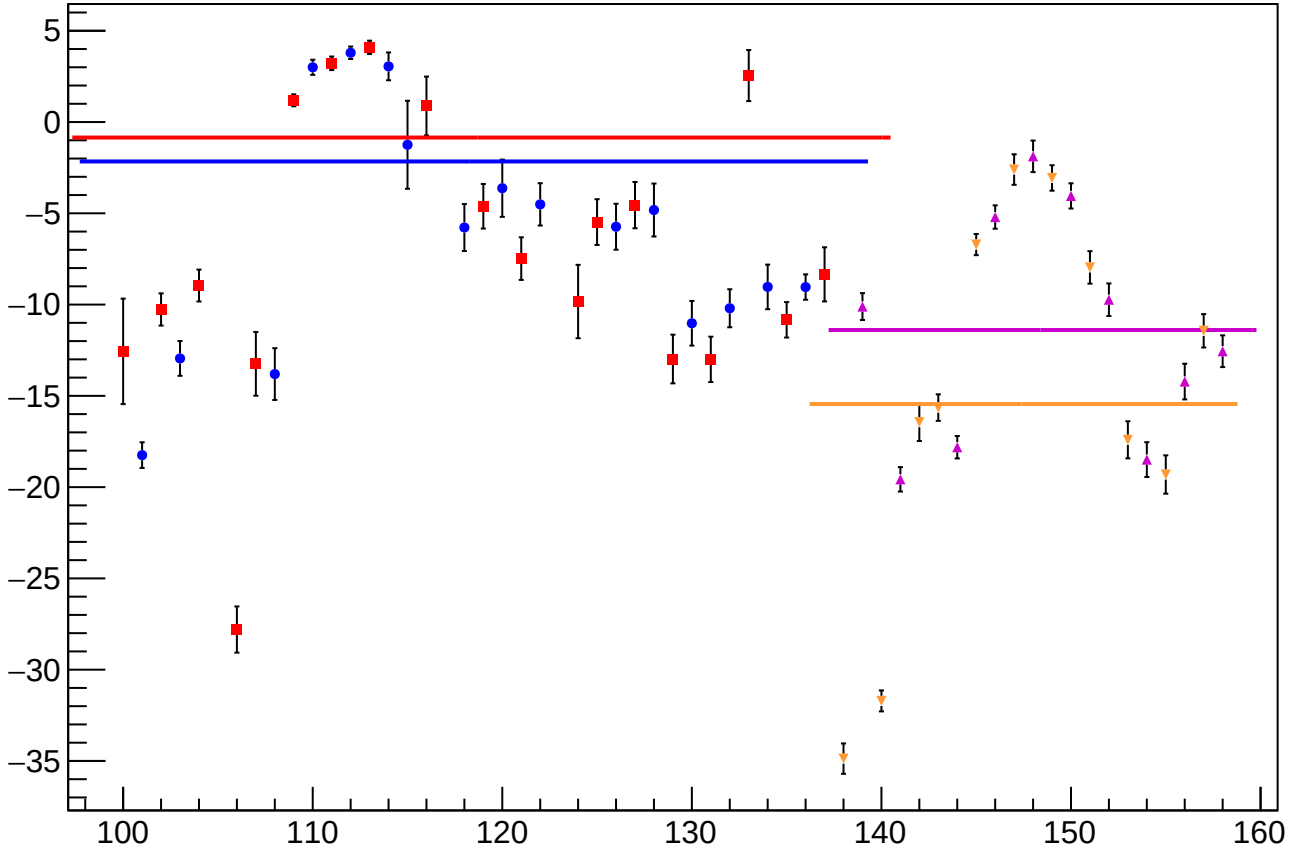
Left In: 0.396+/-0.006 χ^2/NDF:1130.3/9

+ sign 0.375+/-0.006 χ^2/NDF: 2216.8/26

All: 0.368+/-0.004 χ^2/NDF: 4720.5/55

- sign 0.362+/-0.006 χ^2/NDF: 2501.0/28

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -2.159+/-0.192 χ^2/NDF: 1491.0/15

Left Out: -15.448+/-0.235 χ^2/NDF:2234.3/10

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

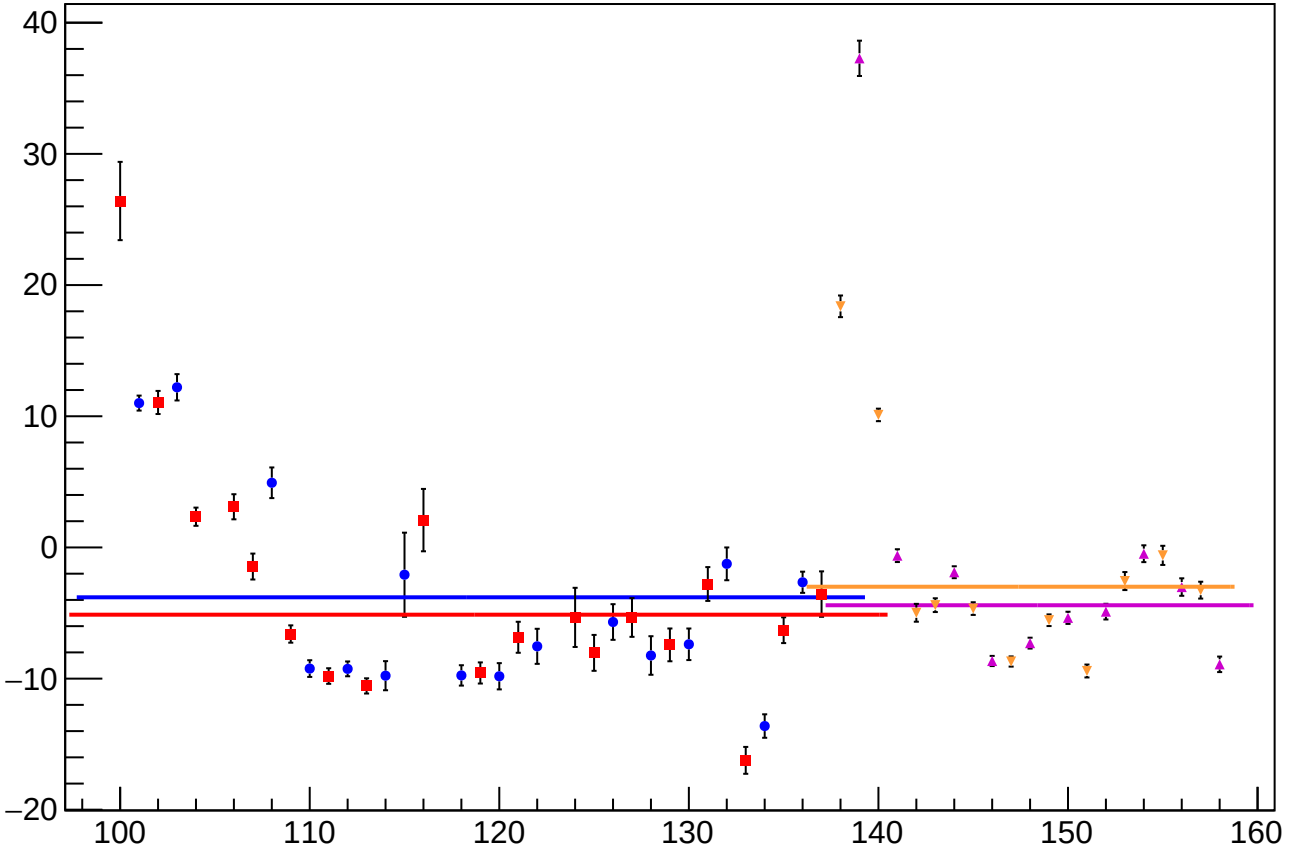
Left In: -11.392+/-0.240 χ^2/NDF:659.4/9

+ sign -7.478+/-0.149 χ^2/NDF: 5643.0/26

All: -5.824+/-0.102 χ^2/NDF: 9282.0/55

- sign -4.380+/-0.139 χ^2/NDF: 3407.2/28

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: -3.800+/-0.226 χ^2/NDF: 1425.5/15

Left Out: -2.994+/-0.162 χ^2/NDF:1879.3/10

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

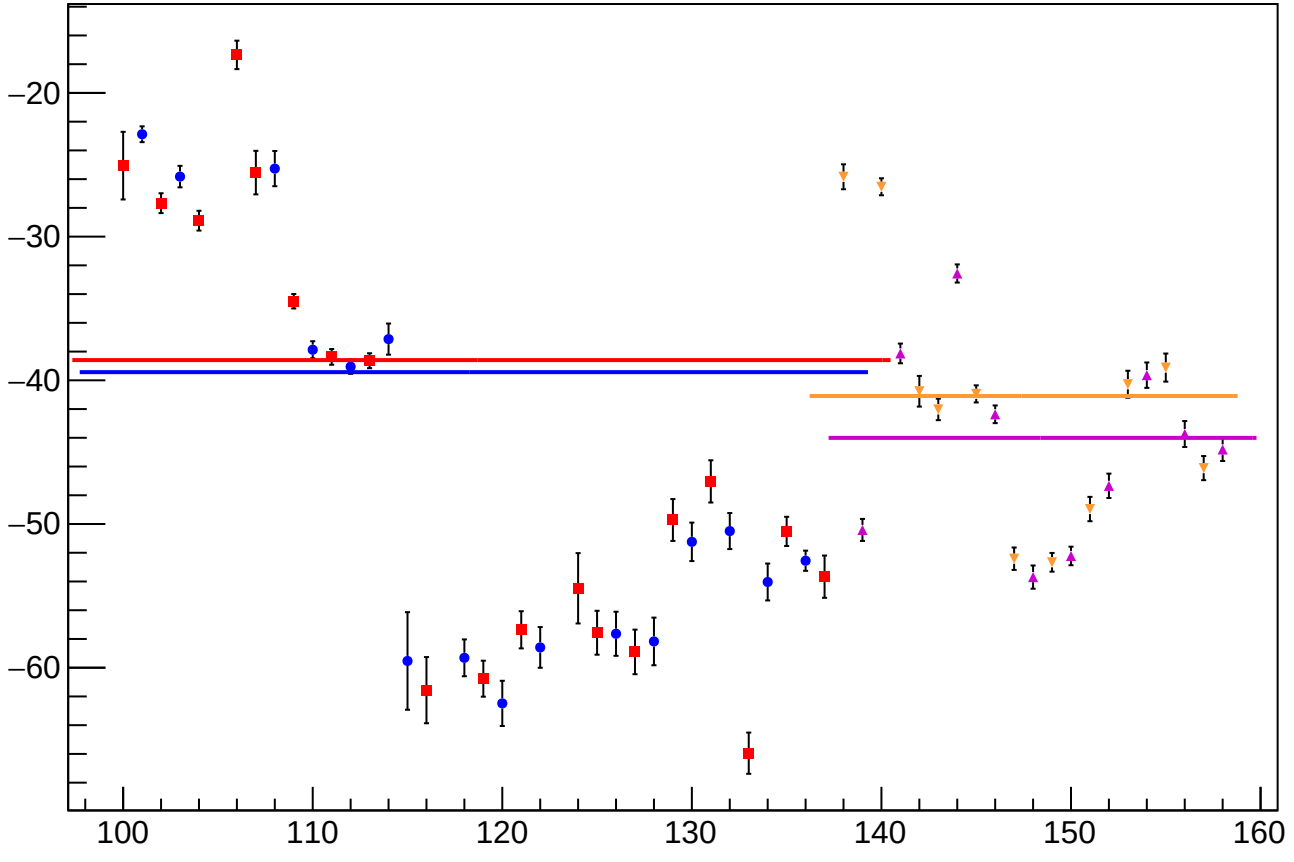
Left In: -4.406+/-0.164 χ^2/NDF:1323.2/9

+ sign -3.268+/-0.132 χ^2/NDF: 3313.2/26

All: -3.968+/-0.093 χ^2/NDF: 5680.4/55

- sign -4.666+/-0.131 χ^2/NDF: 2310.7/28

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -41.091+/-0.231 χ^2/NDF:1571.9/10

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

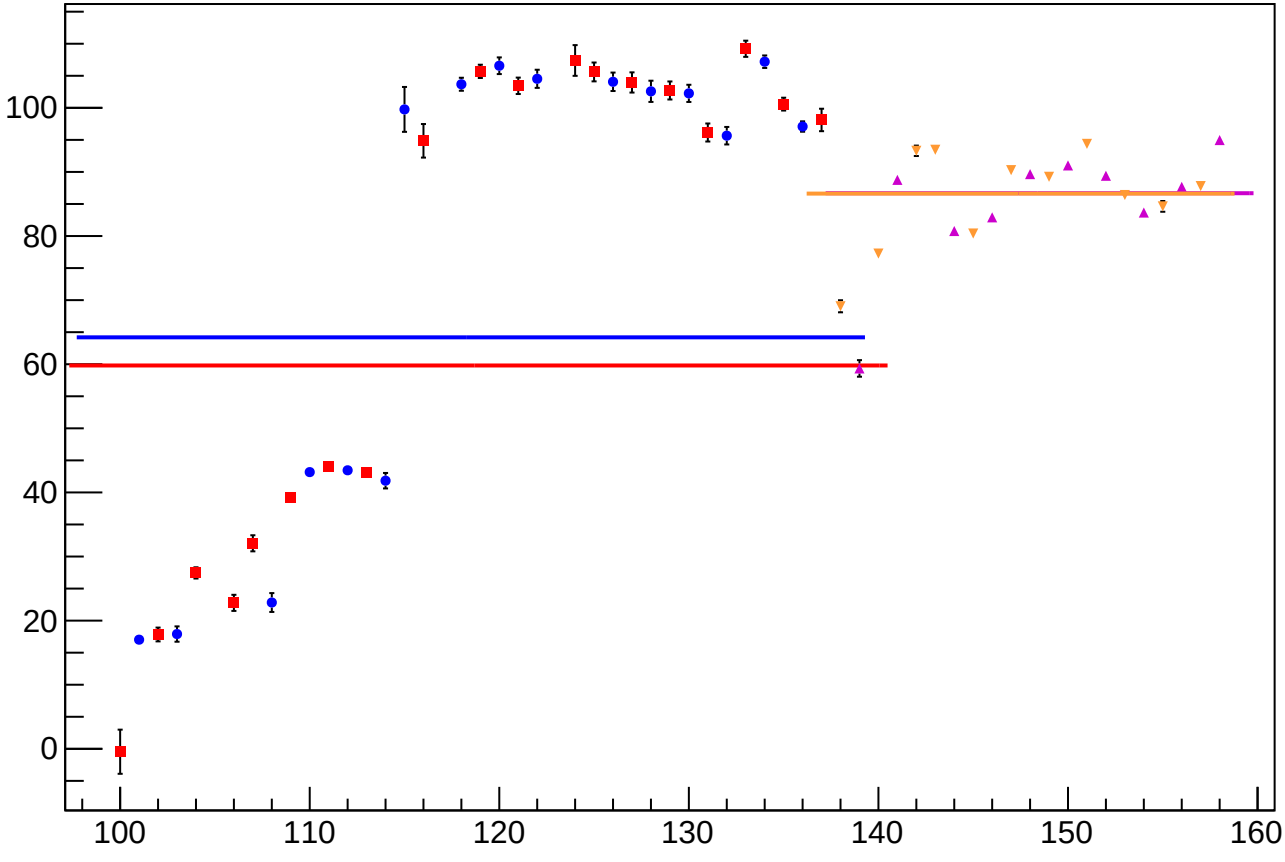
Left In: -44.006+/-0.233 χ^2/NDF:824.5/9

+ sign -40.240+/-0.161 χ^2/NDF: 4556.4/26

All: -40.654+/-0.113 χ^2/NDF: 8459.8/55

- sign -41.046+/-0.157 χ^2/NDF: 3890.6/28

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 86.620+/-0.196 χ^2/NDF:1161.8/10

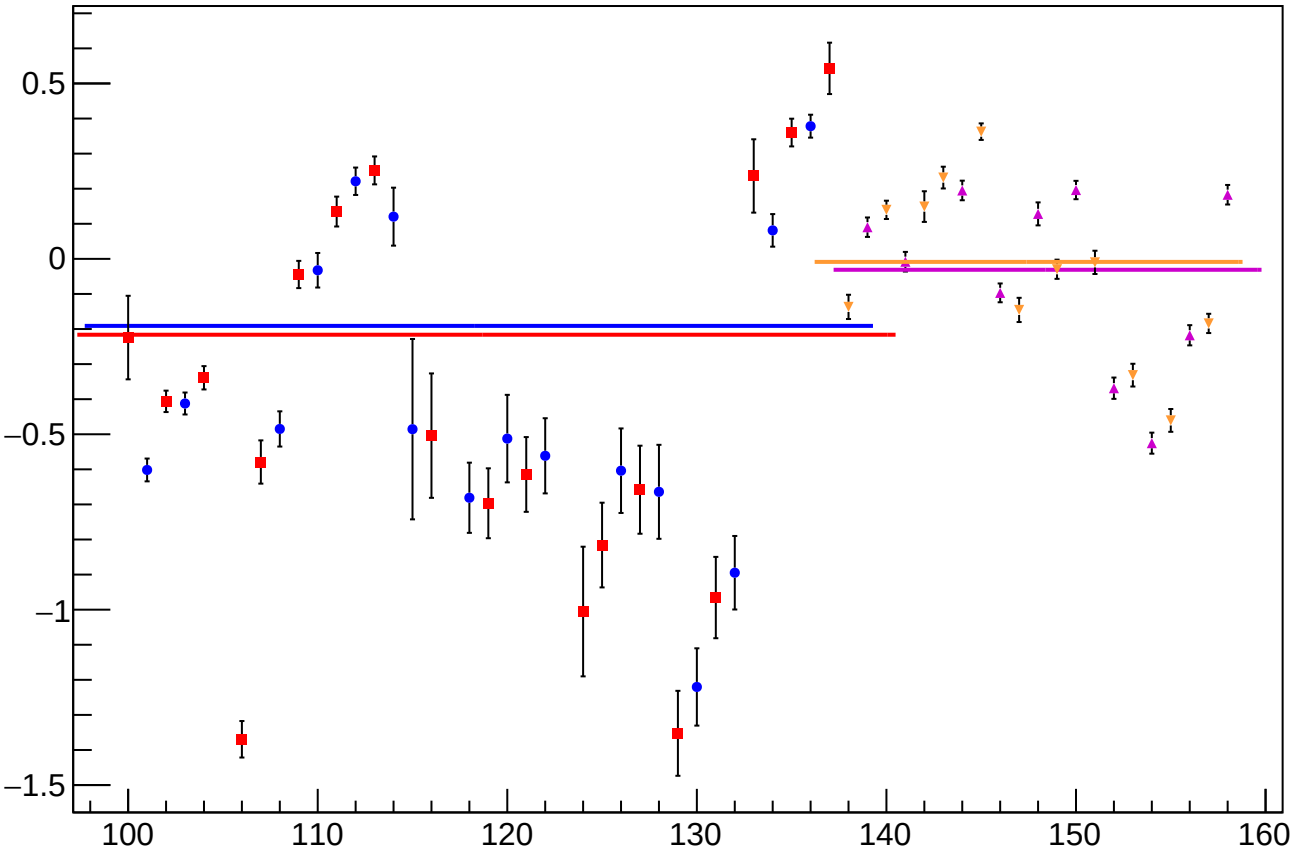
Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 86.680+/-0.196 χ^2/NDF:947.9/9

+ sign 78.402+/-0.156 χ^2/NDF: 24562.6/26

All: 77.391+/-0.109 χ^2/NDF: 50236.1/55

- sign 76.407+/-0.154 χ^2/NDF: 25590.5/28



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: -0.009+/-0.009 χ^2/NDF:717.0/10

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

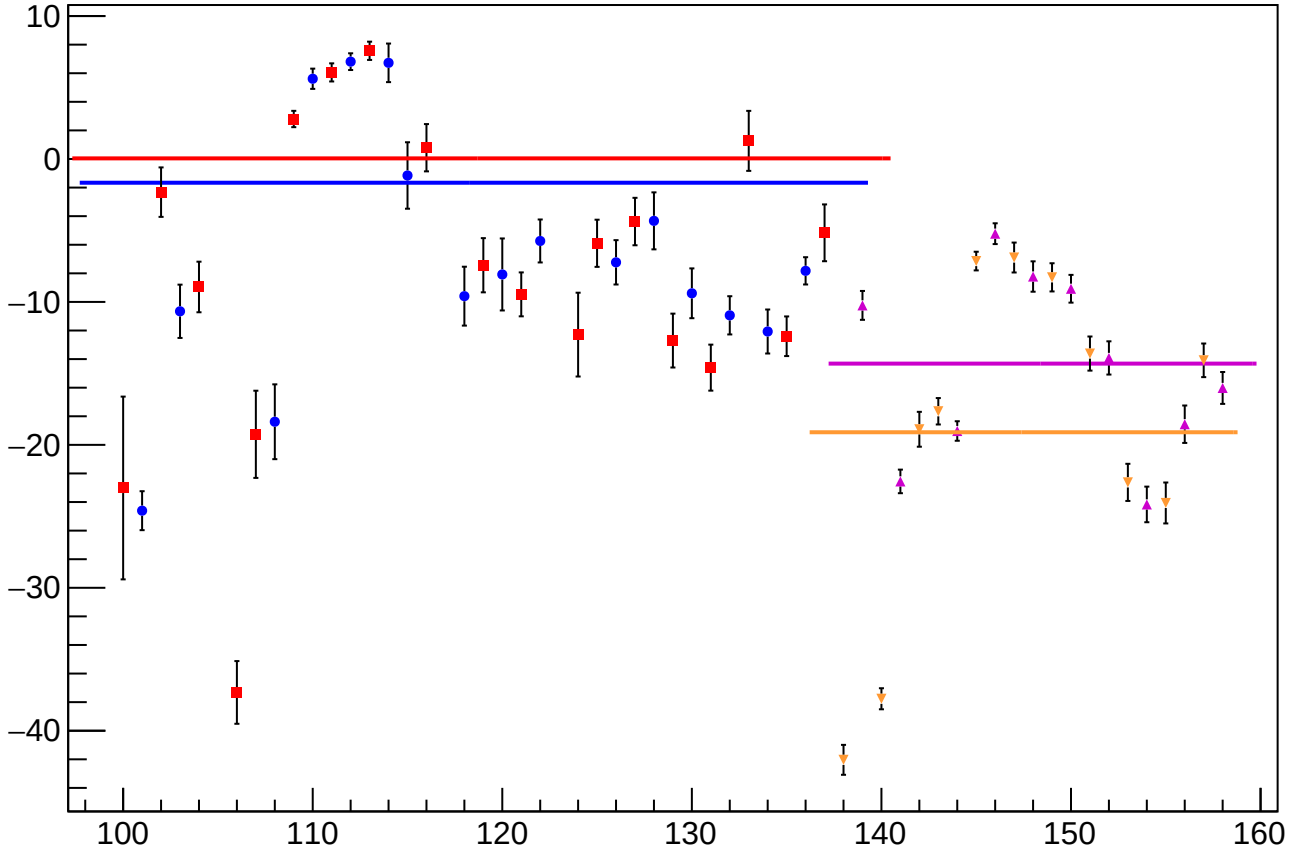
Left In: -0.031+/-0.009 χ^2/NDF:686.8/9

+ sign -0.066+/-0.008 χ^2/NDF: 1761.4/26

All: -0.079+/-0.005 χ^2/NDF: 3959.8/55

- sign -0.092+/-0.007 χ^2/NDF: 2192.8/28

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -1.661+/-0.308 χ^2/NDF: 900.3/15

Left Out: -19.118+/-0.296 χ^2/NDF:1774.8/10

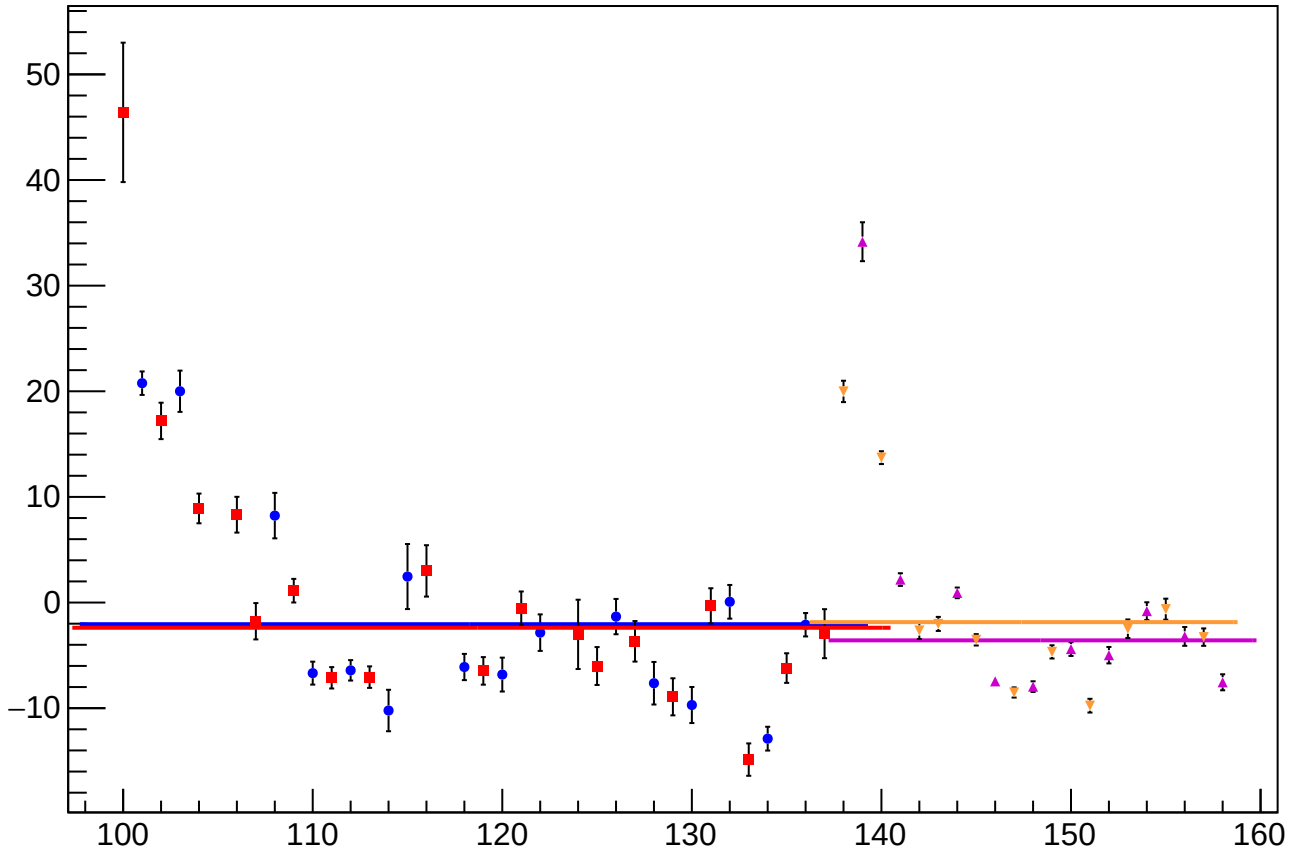
Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

Left In: -14.316+/-0.299 χ^2/NDF:457.3/9

+ sign -10.729+/-0.214 χ^2/NDF: 4343.0/26

All: -8.643+/-0.148 χ^2/NDF: 7136.5/55

- sign -6.720+/-0.205 χ^2/NDF: 2610.1/28



Right In: -2.050+/-0.356 χ^2/NDF: 771.9/15

Left Out: -1.854+/-0.204 χ^2/NDF:1496.1/10

Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

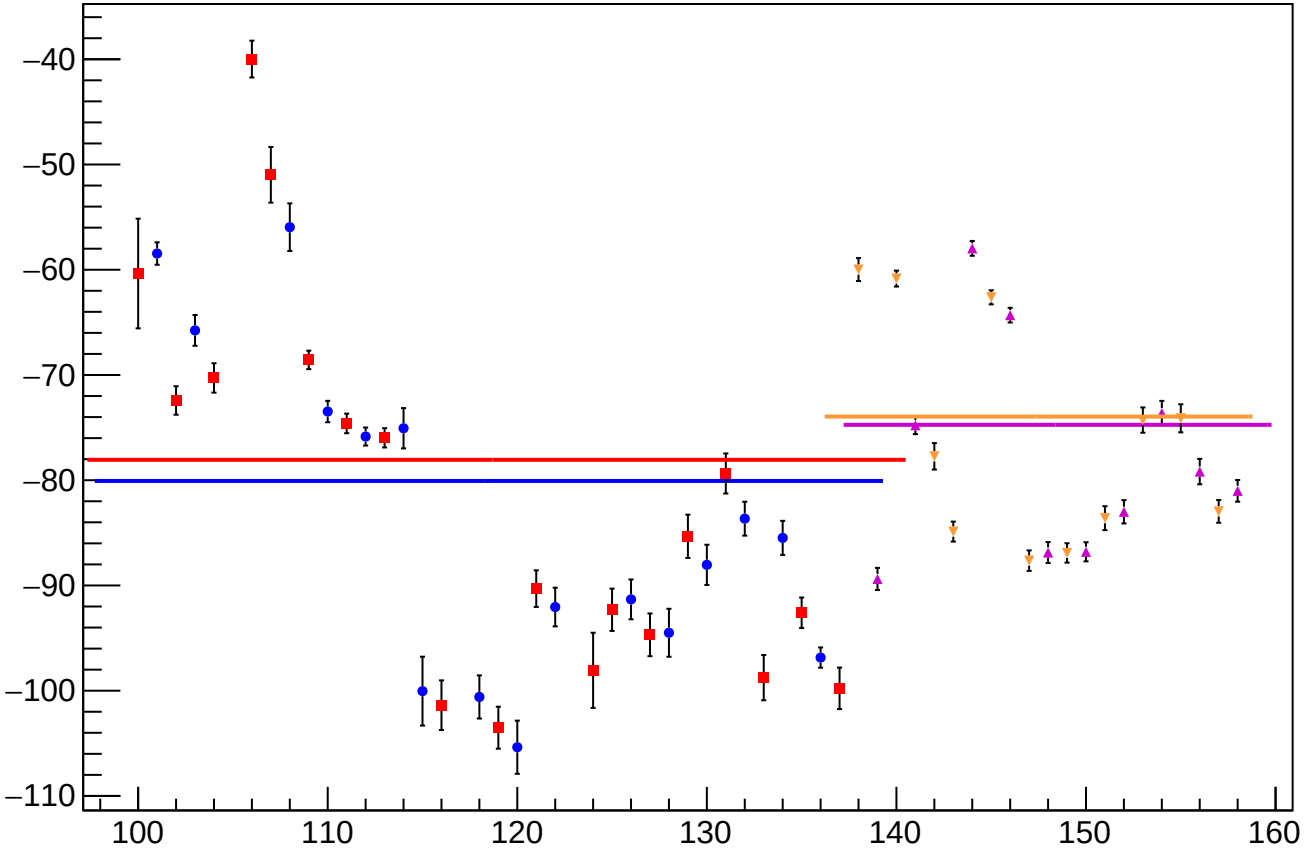
Left In: -3.580+/-0.201 χ^2/NDF:790.7/9

+ sign -1.903+/-0.177 χ^2/NDF: 2268.2/26

All: -2.606+/-0.125 χ^2/NDF: 3549.5/55

- sign -3.290+/-0.175 χ^2/NDF: 1250.2/28

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -73.949+/-0.293 χ^2/NDF:1425.8/10

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

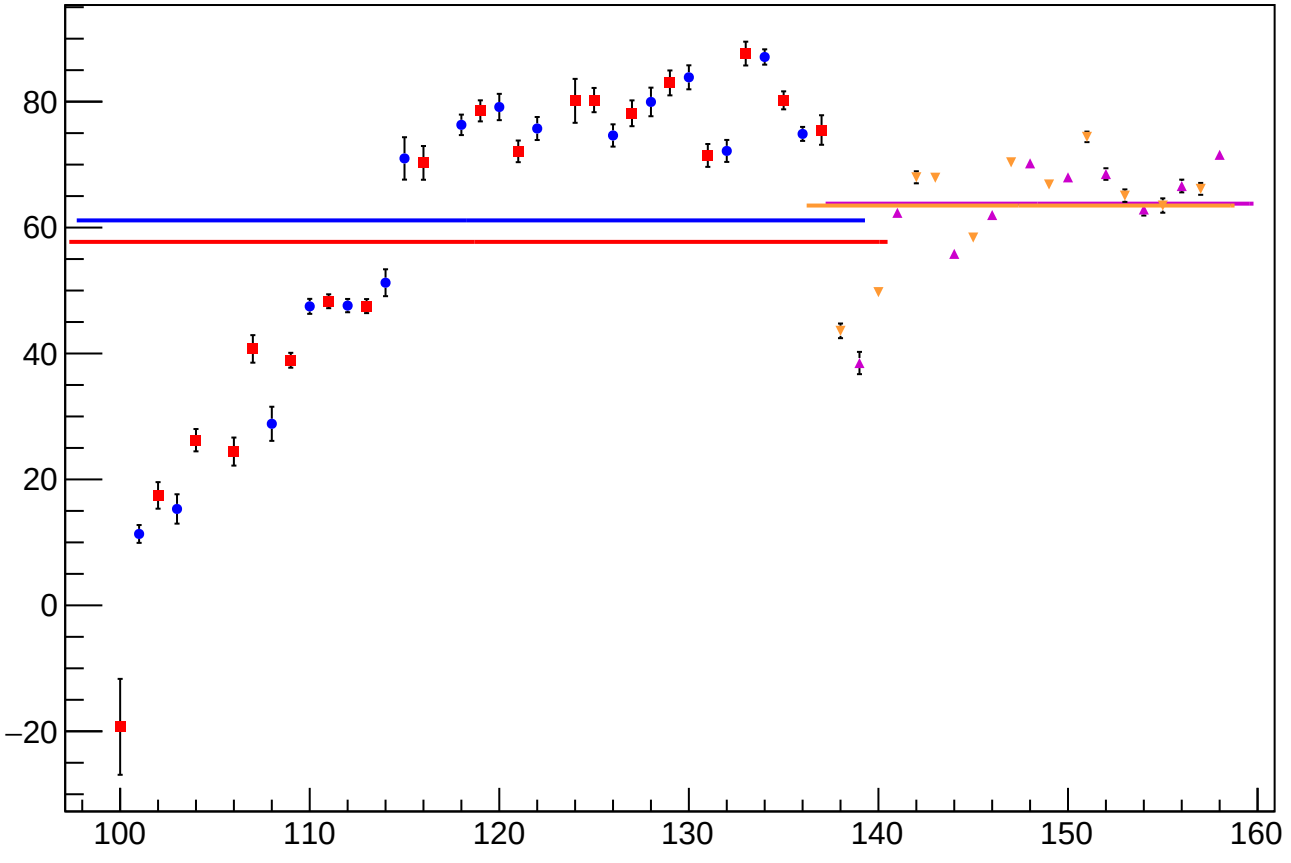
Left In: -74.736+/-0.291 χ^2/NDF:1416.4/9

+ sign -76.352+/-0.228 χ^2/NDF: 2984.3/26

All: -76.214+/-0.160 χ^2/NDF: 6015.2/55

- sign -76.080+/-0.225 χ^2/NDF: 3030.2/28

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 63.498+/-0.248 χ^2/NDF:1074.7/10

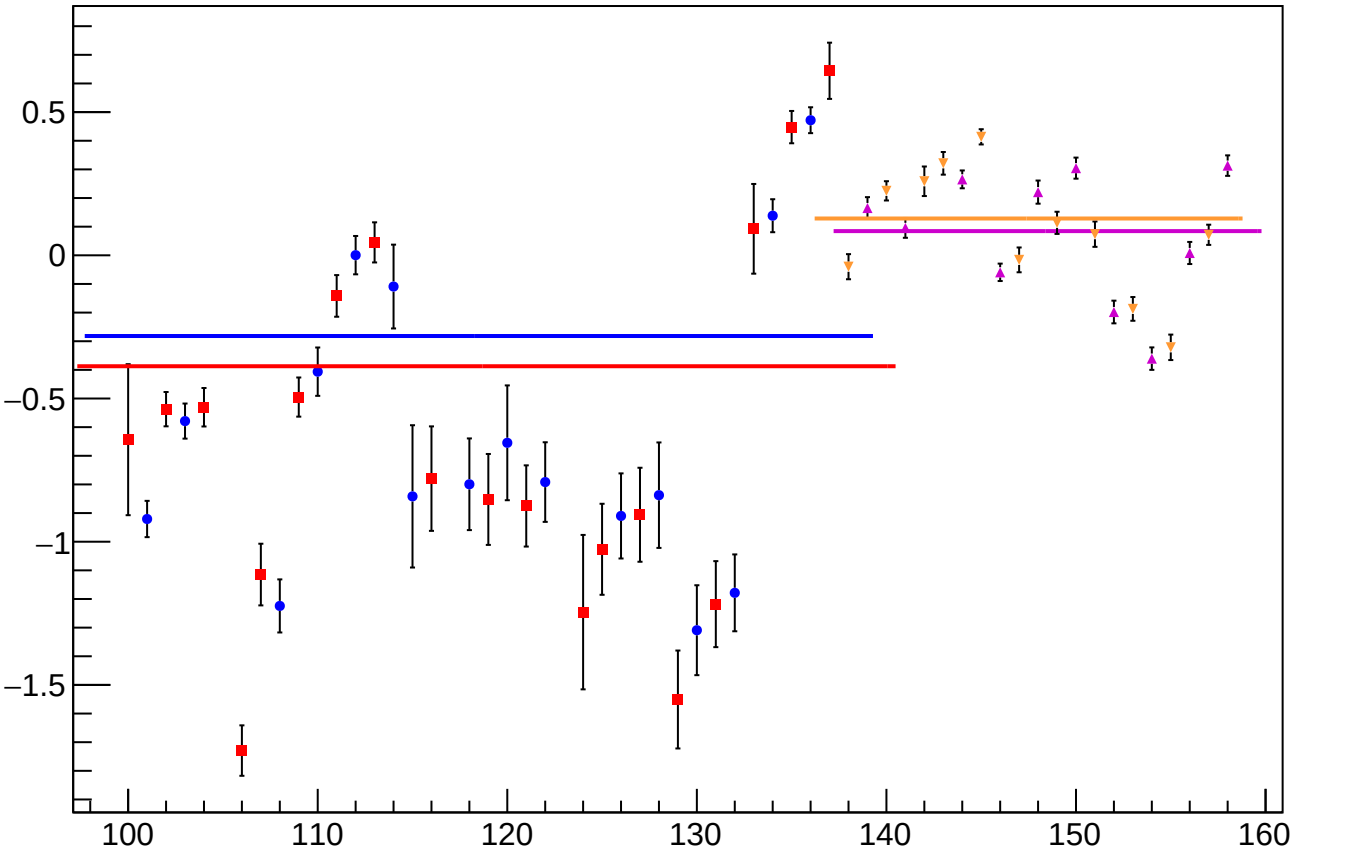
Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

Left In: 63.798+/-0.241 χ^2/NDF:646.3/9

+ sign 62.846+/-0.211 χ^2/NDF: 4329.1/26

All: 62.506+/-0.147 χ^2/NDF: 7924.9/55

- sign 62.179+/-0.207 χ^2/NDF: 3590.7/28



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: 0.129+/-0.012 χ^2/NDF:343.6/10

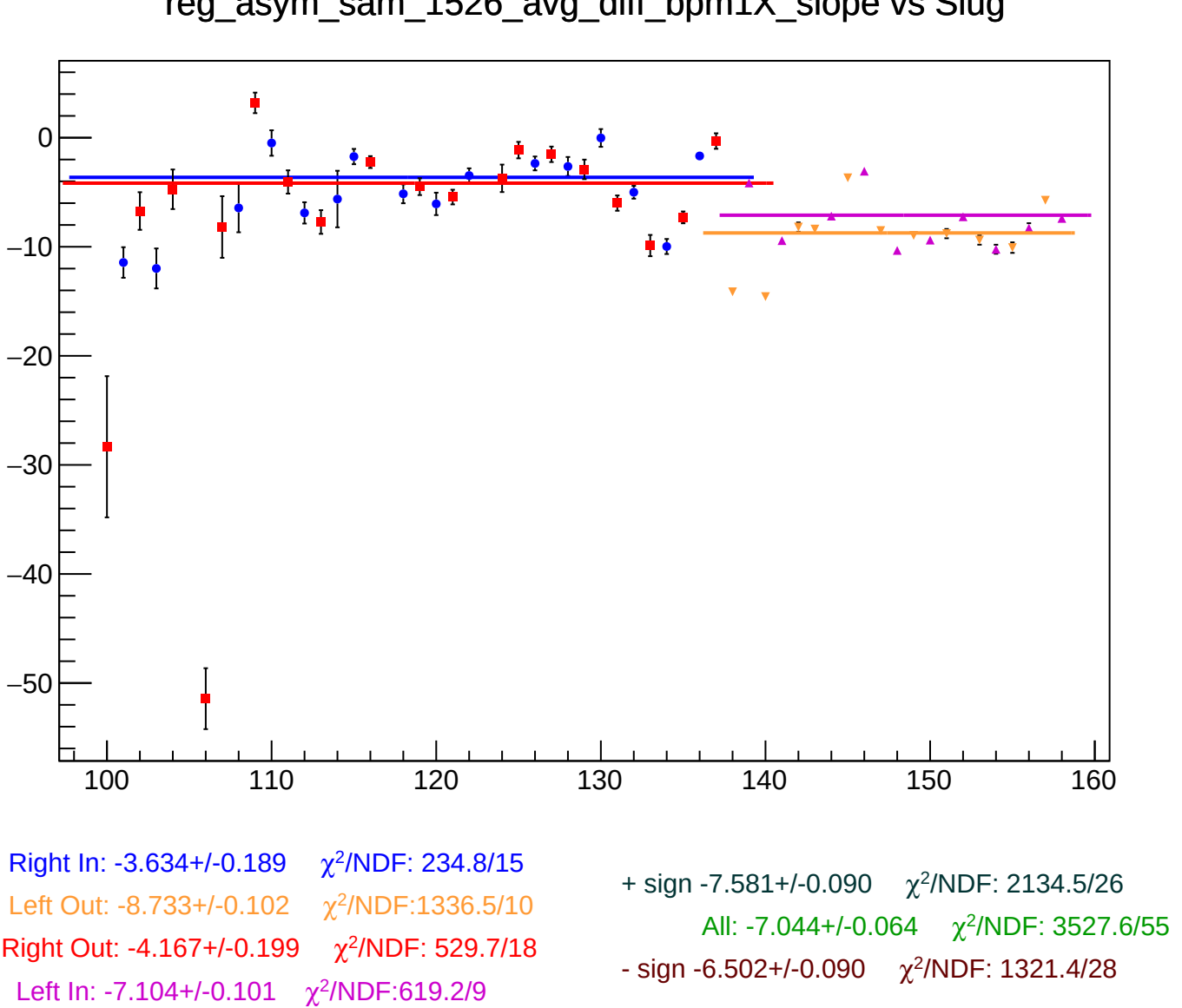
Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

Left In: 0.084+/-0.011 χ^2/NDF:332.5/9

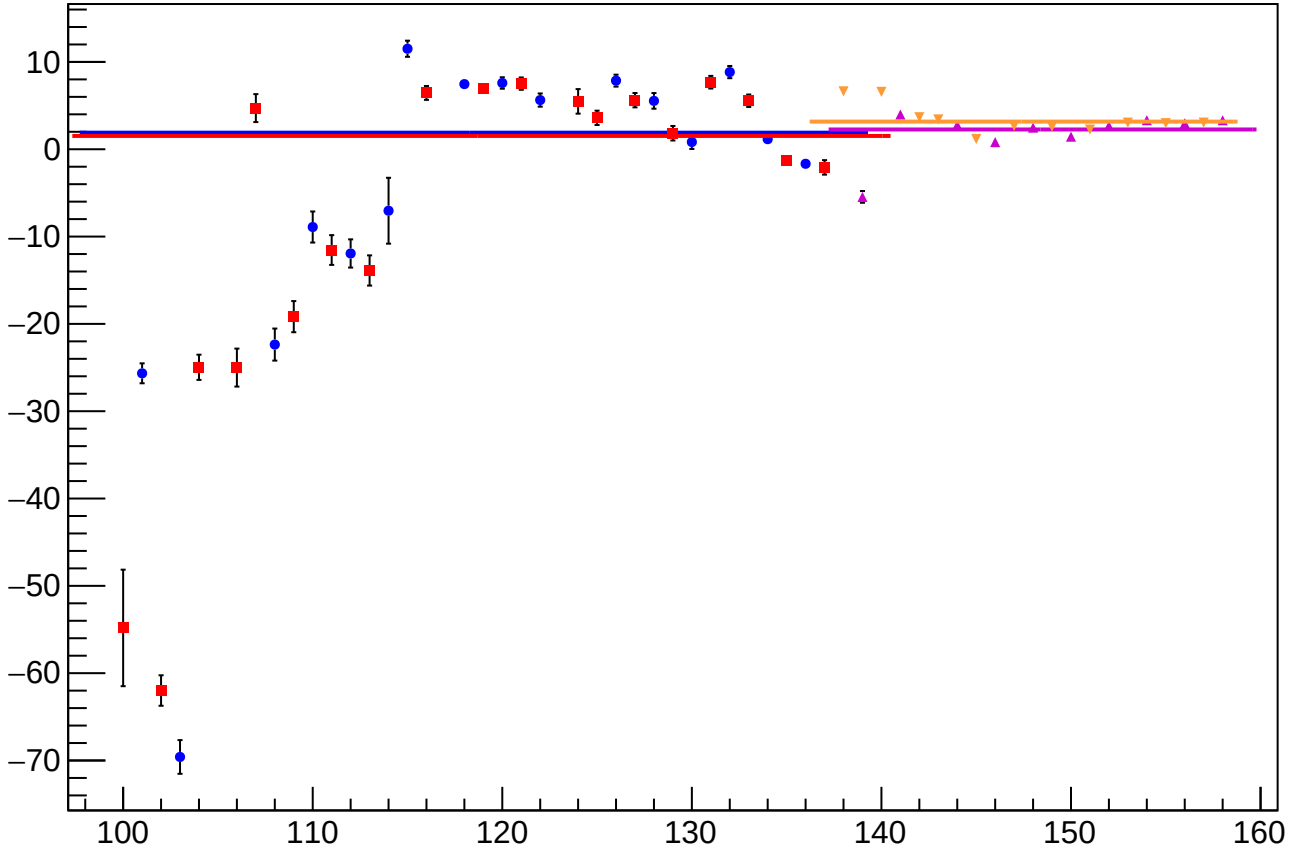
+ sign 0.037+/-0.010 χ^2/NDF: 1351.3/26

All: 0.010+/-0.007 χ^2/NDF: 2881.3/55

- sign -0.016+/-0.010 χ^2/NDF: 1516.7/28


reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug
0
−10
−20
−30
−40
−50
100
110
120
130
140
150
160
Right In: -3.634+/-0.189 χ²/NDF: 234.8/15
Left Out: -8.733+/-0.102 χ²/NDF:1336.5/10
Right Out: -4.167+/-0.199 χ²/NDF: 529.7/18
Left In: -7.104+/-0.101 χ²/NDF:619.2/9
+ sign -7.581+/-0.090 χ²/NDF: 2134.5/26
All: -7.044+/-0.064 χ²/NDF: 3527.6/55
- sign -6.502+/-0.090 χ²/NDF: 1321.4/28

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 1.898+/-0.189 χ^2/NDF: 2838.2/15

Left Out: 3.166+/-0.071 χ^2/NDF:507.4/10

Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

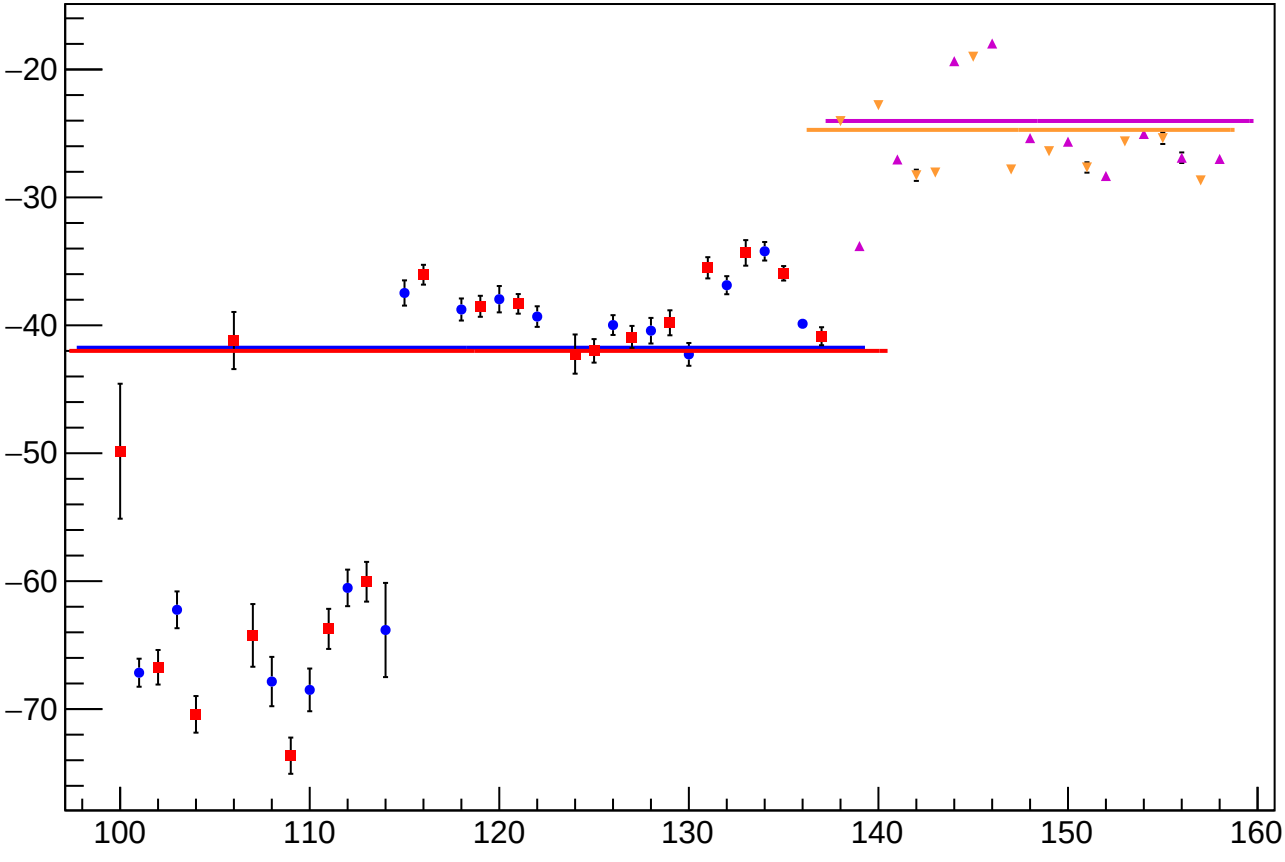
Left In: 2.265+/-0.068 χ^2/NDF:371.6/9

+ sign 3.010+/-0.066 χ^2/NDF: 3385.0/26

All: 2.590+/-0.046 χ^2/NDF: 6405.5/55

- sign 2.194+/-0.064 χ^2/NDF: 2942.8/28

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -41.751+/-0.208 χ^2/NDF: 1633.9/15

Left Out: -24.721+/-0.101 χ^2/NDF:1174.7/10

Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

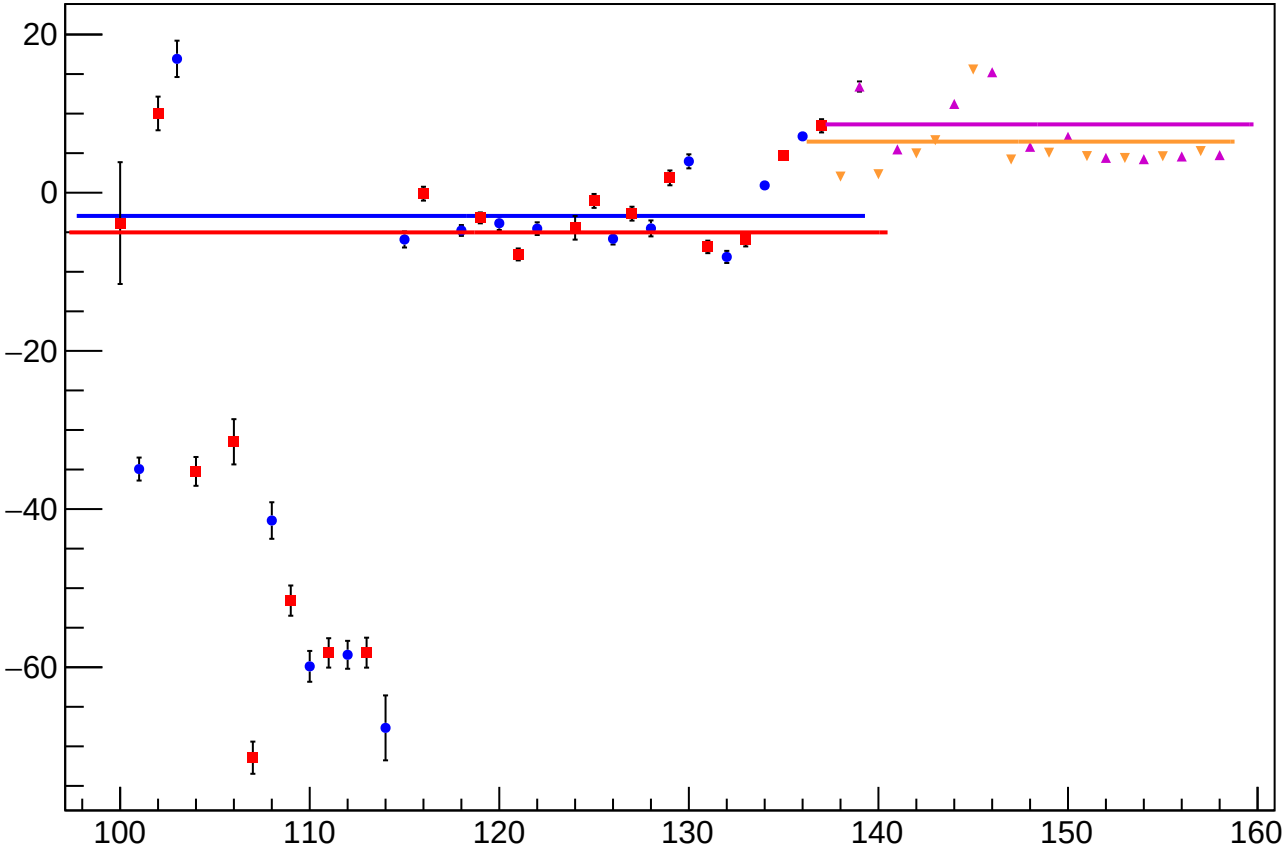
Left In: -24.026+/-0.099 χ^2/NDF:2196.0/9

+ sign -27.984+/-0.091 χ^2/NDF: 8247.4/26

All: -27.416+/-0.064 χ^2/NDF: 17730.8/55

- sign -26.853+/-0.091 χ^2/NDF: 9405.7/28

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 6.458+/-0.086 χ^2/NDF:2645.8/10

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

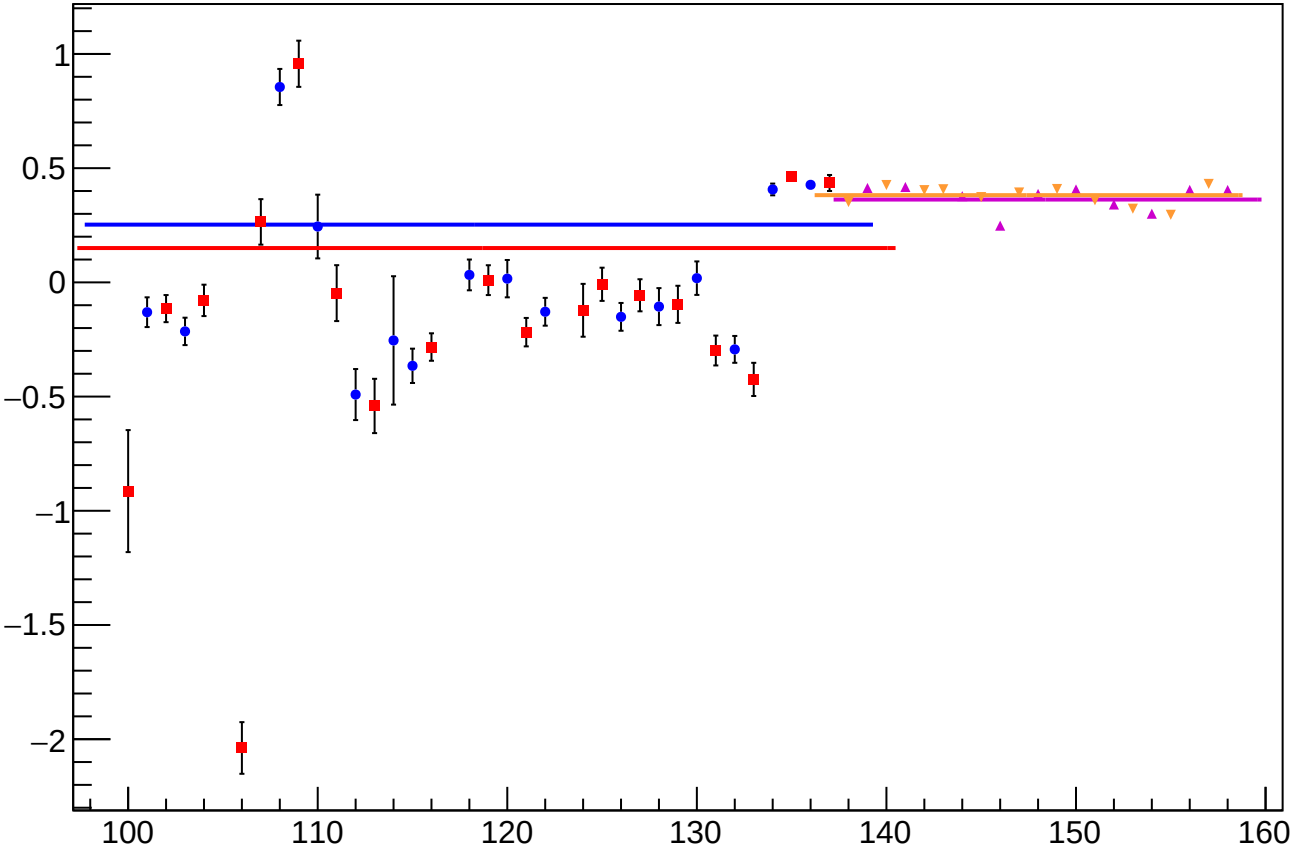
Left In: 8.637+/-0.081 χ^2/NDF:2747.8/9

+ sign 5.117+/-0.079 χ^2/NDF: 8092.4/26

All: 6.160+/-0.055 χ^2/NDF: 18643.5/55

- sign 7.140+/-0.077 χ^2/NDF: 10214.8/28

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.253+/-0.011 χ^2/NDF: 631.0/15

Left Out: 0.382+/-0.004 χ^2/NDF:99.1/10

Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

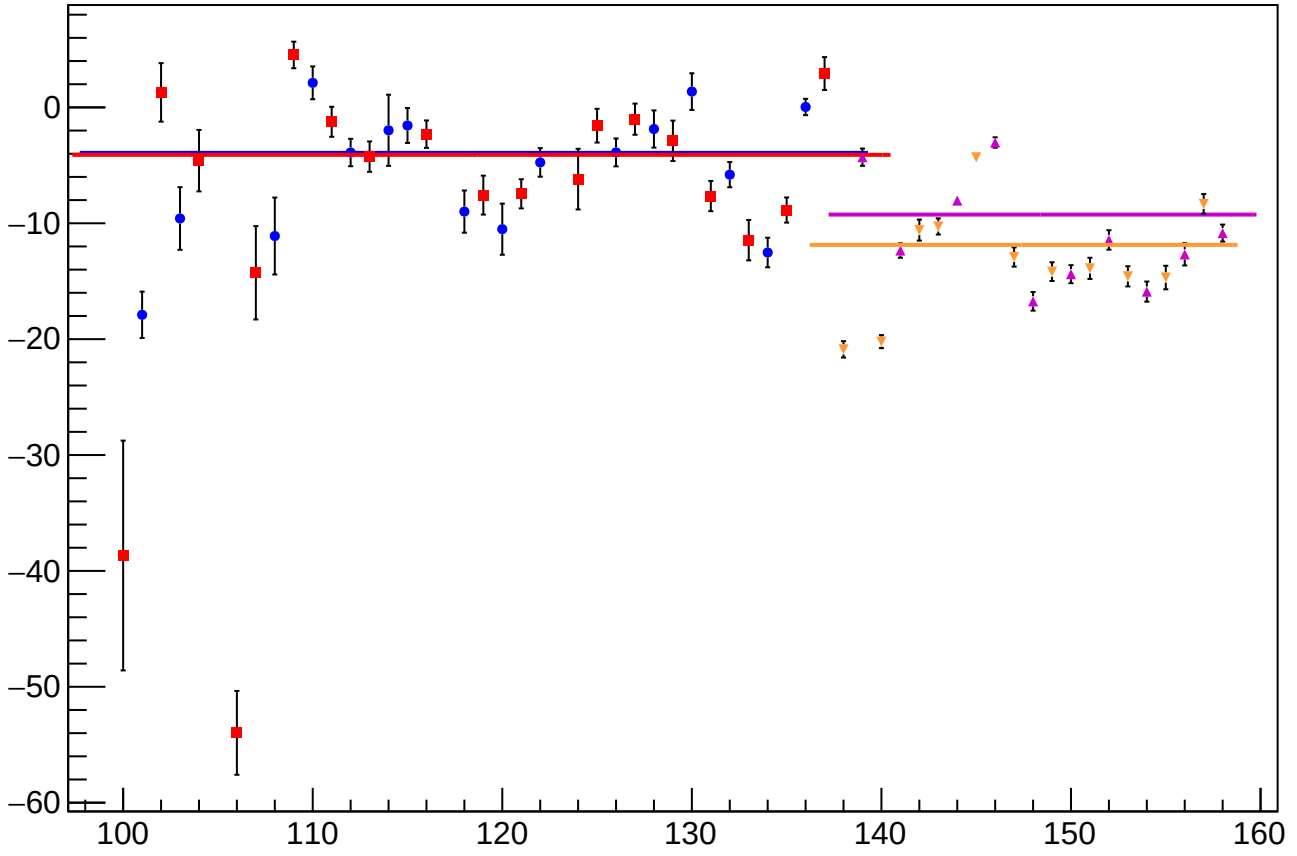
Left In: 0.363+/-0.004 χ^2/NDF:239.2/9

+ sign 0.368+/-0.004 χ^2/NDF: 843.0/26

All: 0.357+/-0.003 χ^2/NDF: 2350.4/55

- sign 0.346+/-0.004 χ^2/NDF: 1490.4/28

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -11.865+/-0.210 χ^2/NDF:809.2/10

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

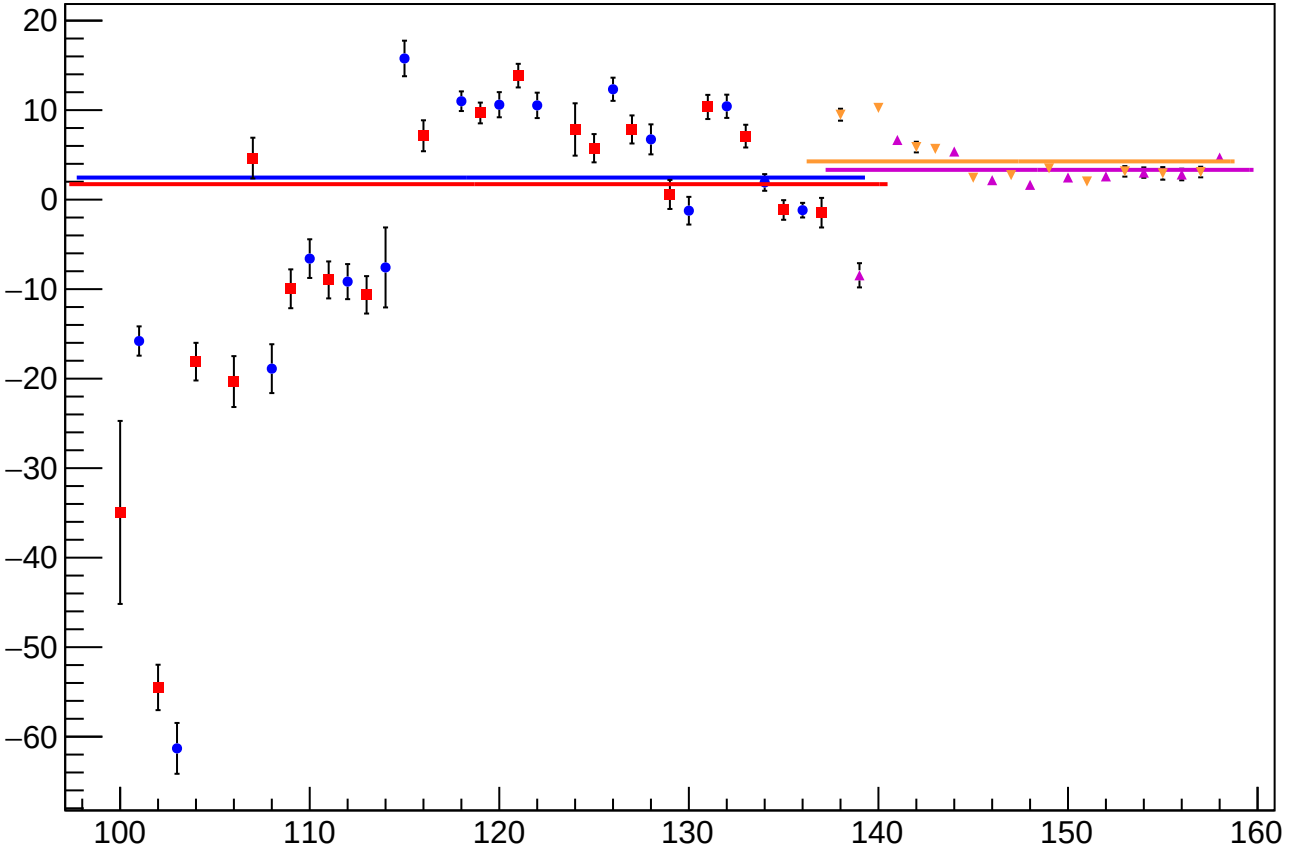
Left In: -9.251+/-0.206 χ^2/NDF:482.5/9

+ sign -9.732+/-0.179 χ^2/NDF: 1383.2/26

All: -8.843+/-0.126 χ^2/NDF: 2438.0/55

- sign -7.964+/-0.178 χ^2/NDF: 1005.9/28

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 2.465+/-0.357 χ^2/NDF: 1046.7/15

Left Out: 4.272+/-0.147 χ^2/NDF:326.8/10

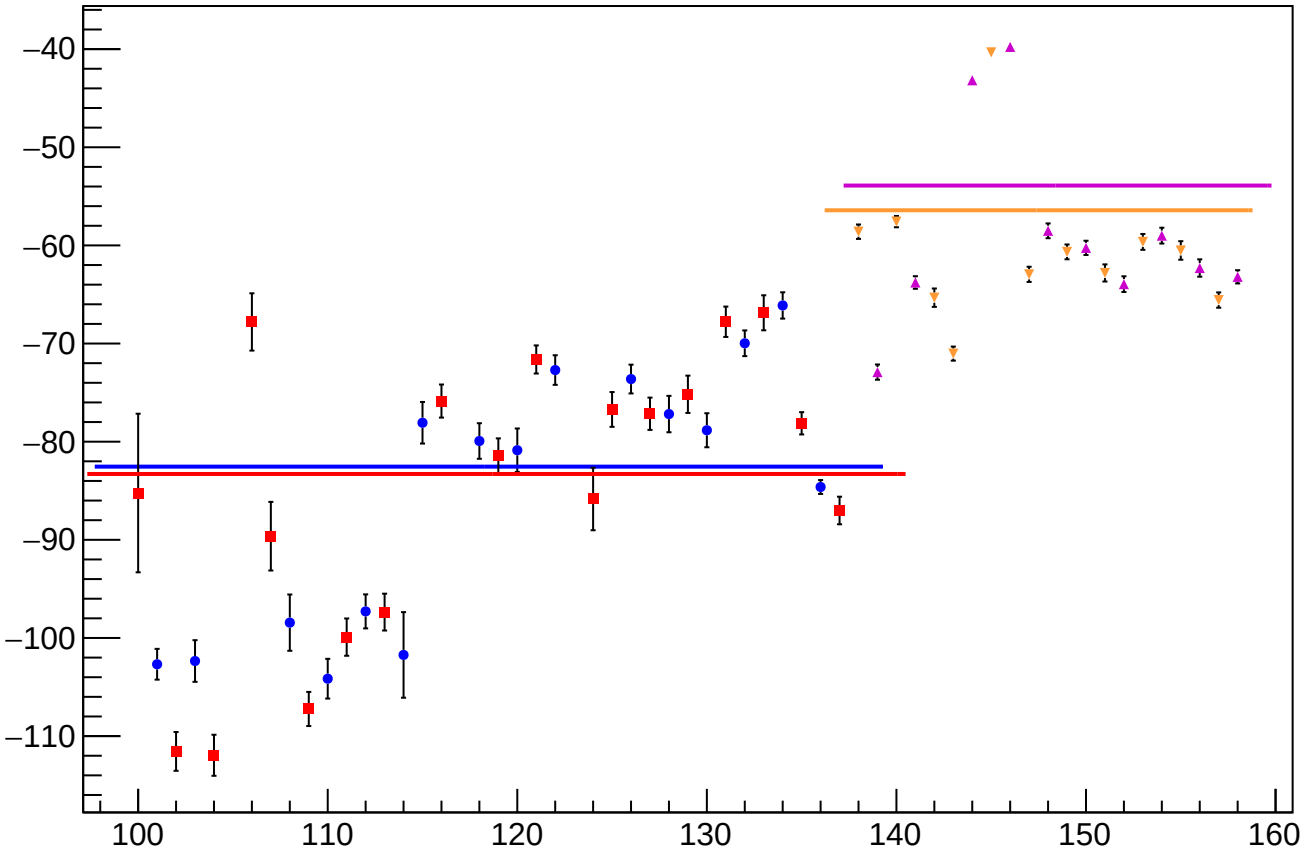
Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

Left In: 3.327+/-0.138 χ^2/NDF:223.0/9

+ sign 4.009+/-0.136 χ^2/NDF: 1395.4/26

All: 3.557+/-0.094 χ^2/NDF: 2637.8/55

- sign 3.147+/-0.130 χ^2/NDF: 1221.3/28



Right In: -82.542+/-0.384 χ^2/NDF: 838.8/15

Left Out: -56.421+/-0.208 χ^2/NDF:2413.7/10

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

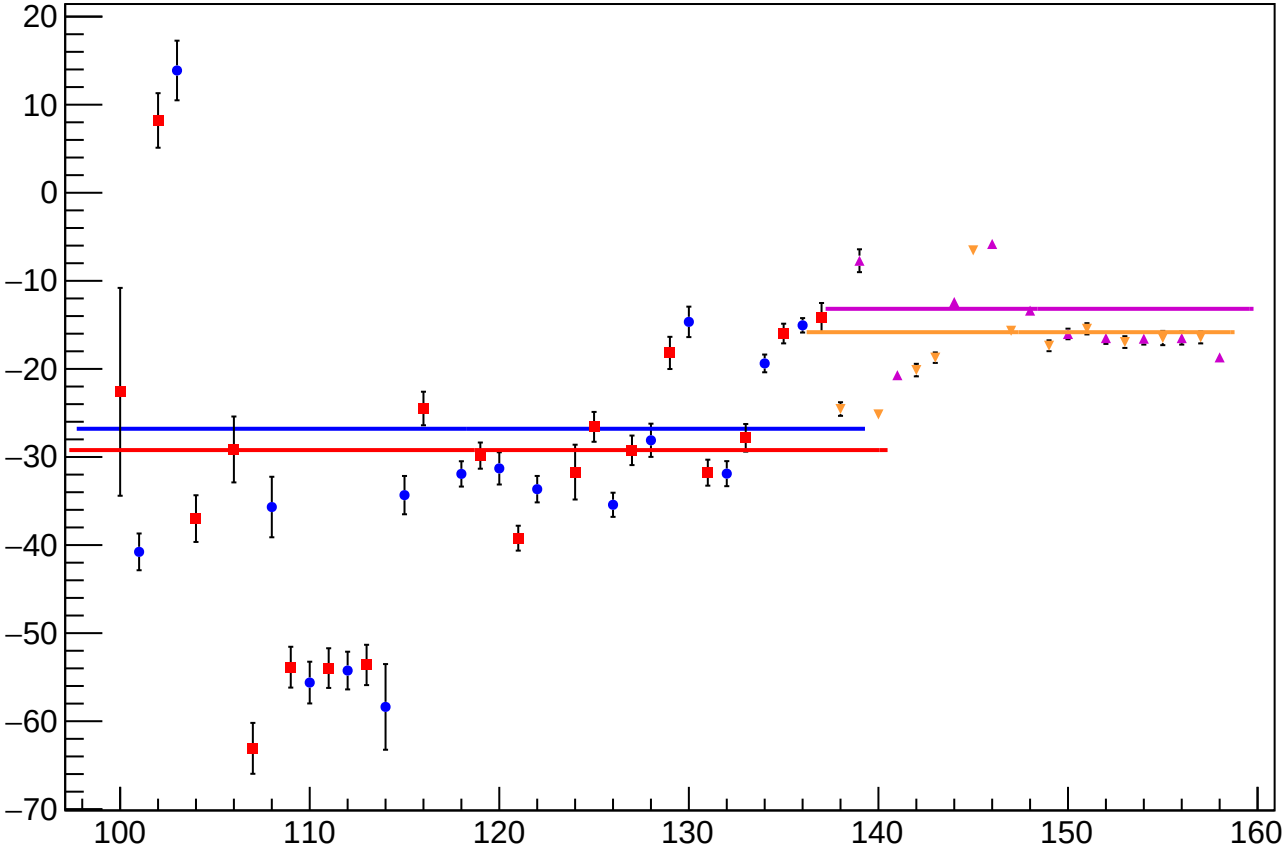
Left In: -53.901+/-0.201 χ^2/NDF:3086.9/9

+ sign -62.356+/-0.183 χ^2/NDF: 6822.4/26

All: -60.910+/-0.129 χ^2/NDF: 15199.1/55

- sign -59.500+/-0.181 χ^2/NDF: 8253.6/28

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -26.796+/-0.396 χ^2/NDF: 963.5/15

Left Out: -15.829+/-0.177 χ^2/NDF:1119.7/10

Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

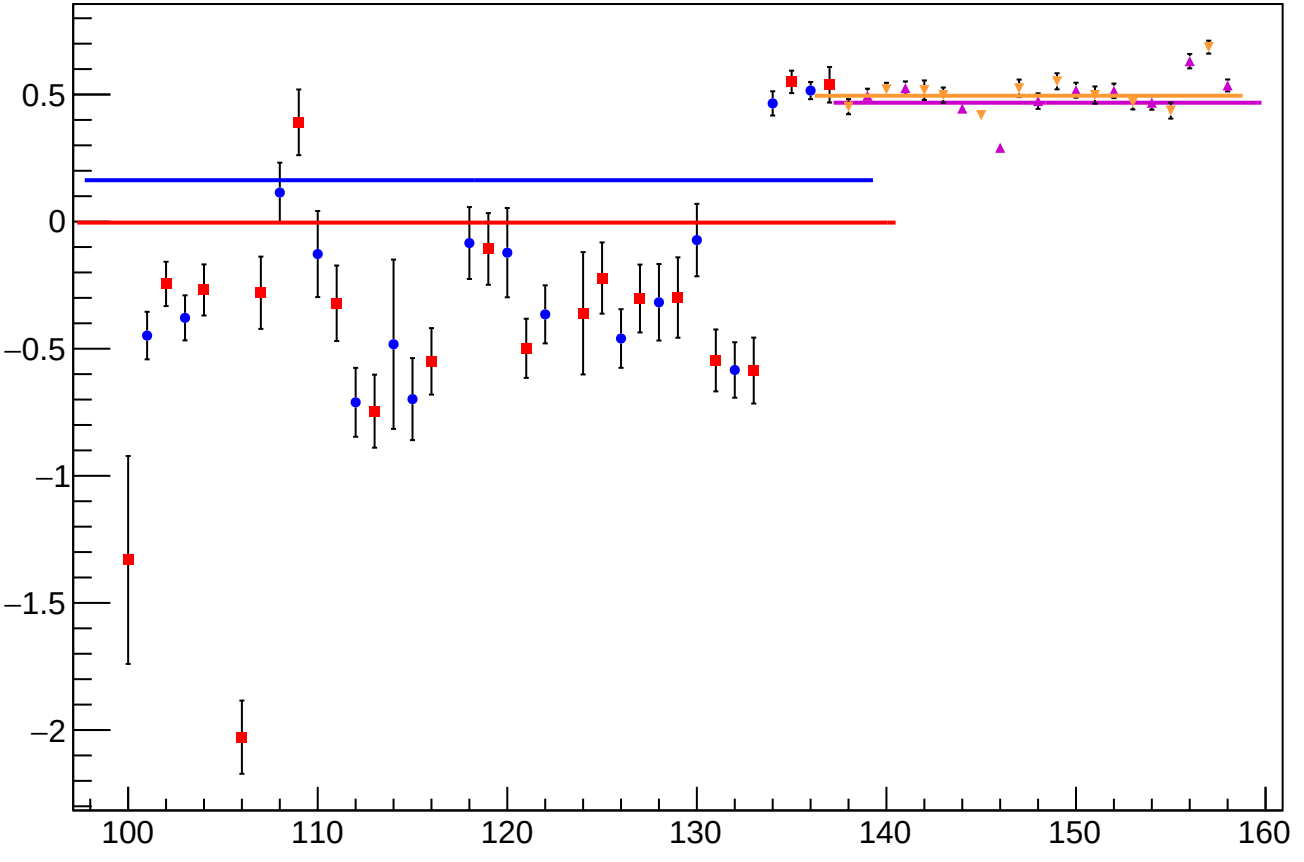
Left In: -13.177+/-0.165 χ^2/NDF:911.9/9

+ sign -17.664+/-0.162 χ^2/NDF: 2723.1/26

All: -16.393+/-0.112 χ^2/NDF: 5920.2/55

- sign -15.235+/-0.154 χ^2/NDF: 3079.1/28

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.495+/-0.008 χ^2/NDF:90.1/10

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

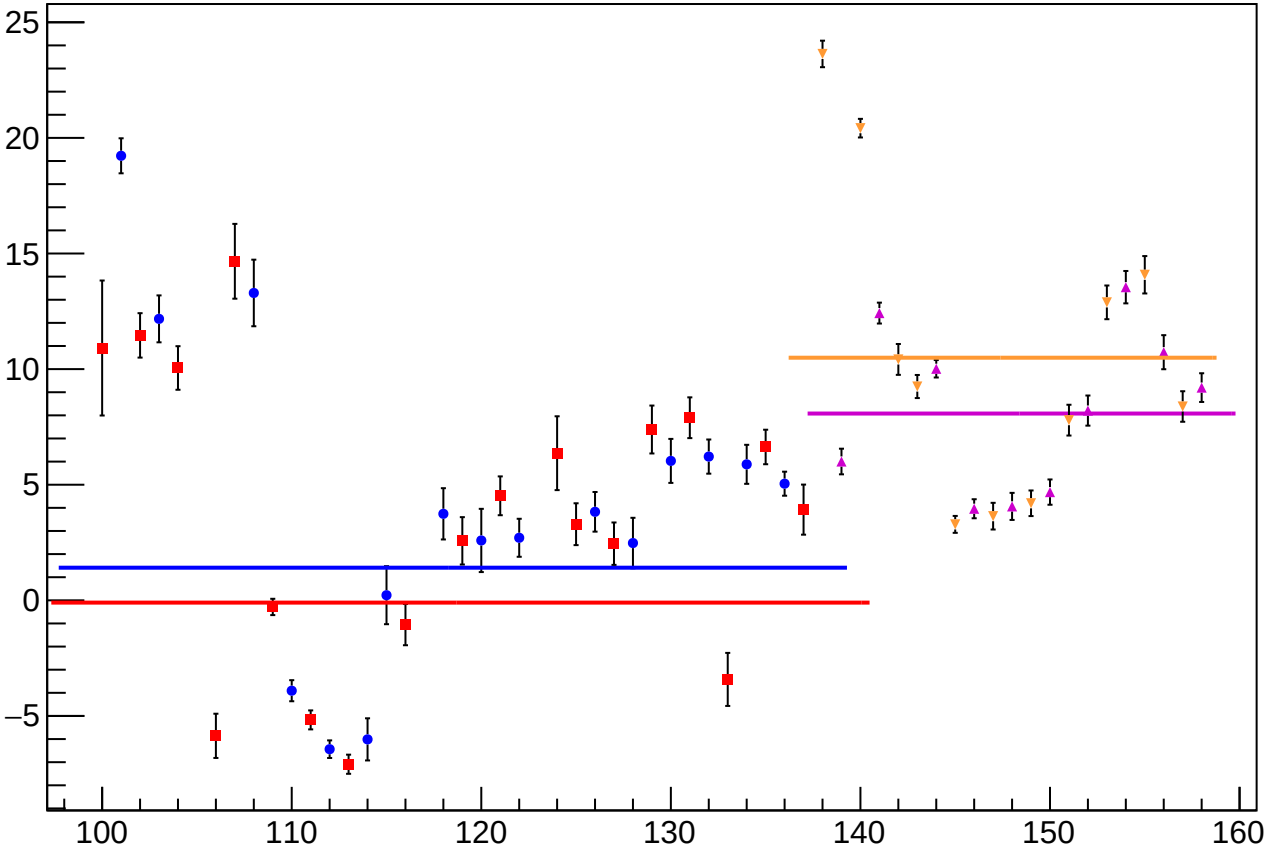
Left In: 0.468+/-0.008 χ^2/NDF:144.1/9

+ sign 0.453+/-0.008 χ^2/NDF: 722.9/26

All: 0.437+/-0.005 χ^2/NDF: 1785.9/55

- sign 0.423+/-0.008 χ^2/NDF: 1055.4/28

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 1.412+/-0.183 χ^2/NDF: 1522.1/15

Left Out: 10.493+/-0.164 χ^2/NDF:1855.0/10

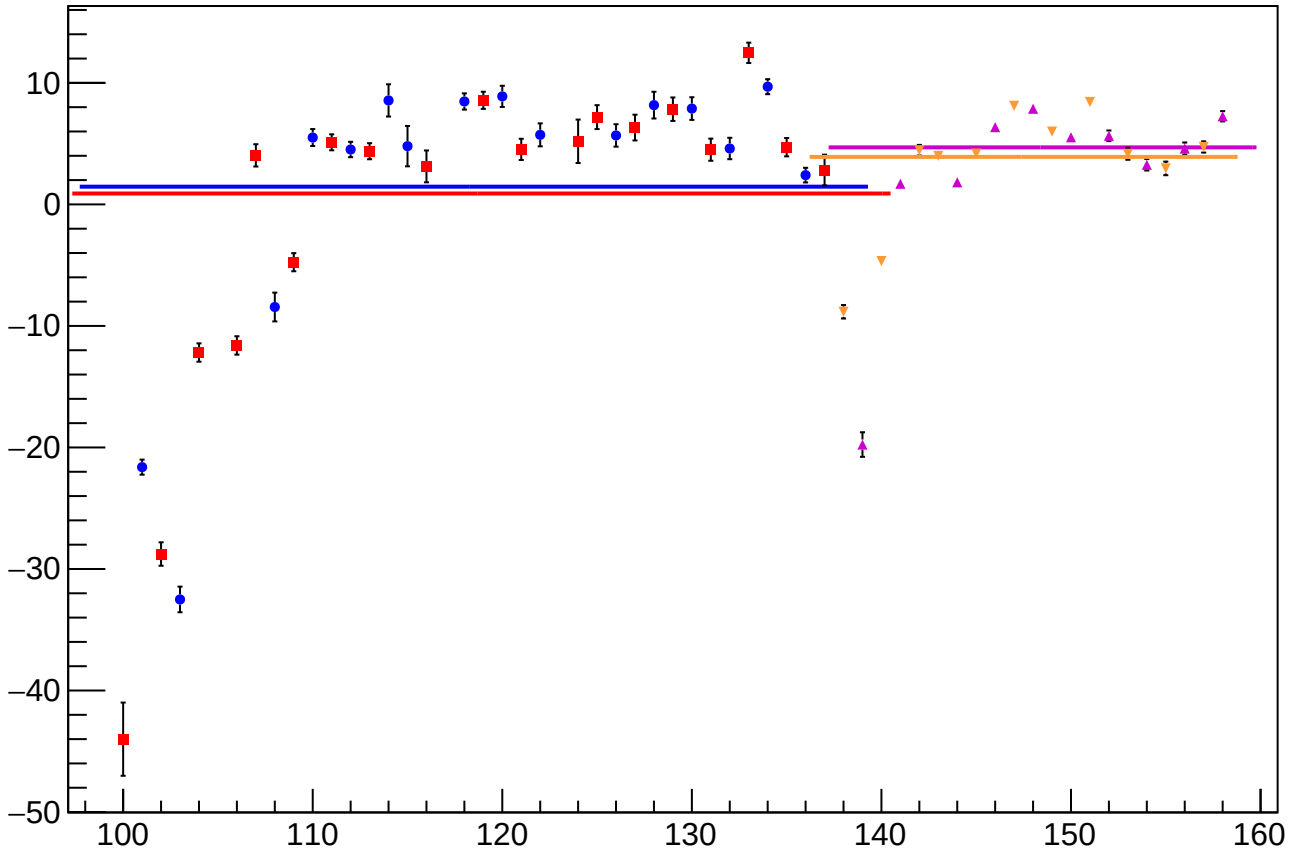
Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

Left In: 8.079+/-0.166 χ^2/NDF:395.8/9

+ sign 6.450+/-0.122 χ^2/NDF: 4742.0/26

All: 5.192+/-0.085 χ^2/NDF: 7691.4/55

- sign 4.018+/-0.118 χ^2/NDF: 2744.3/28



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: 3.909+/-0.113 χ^2/NDF:1642.7/10

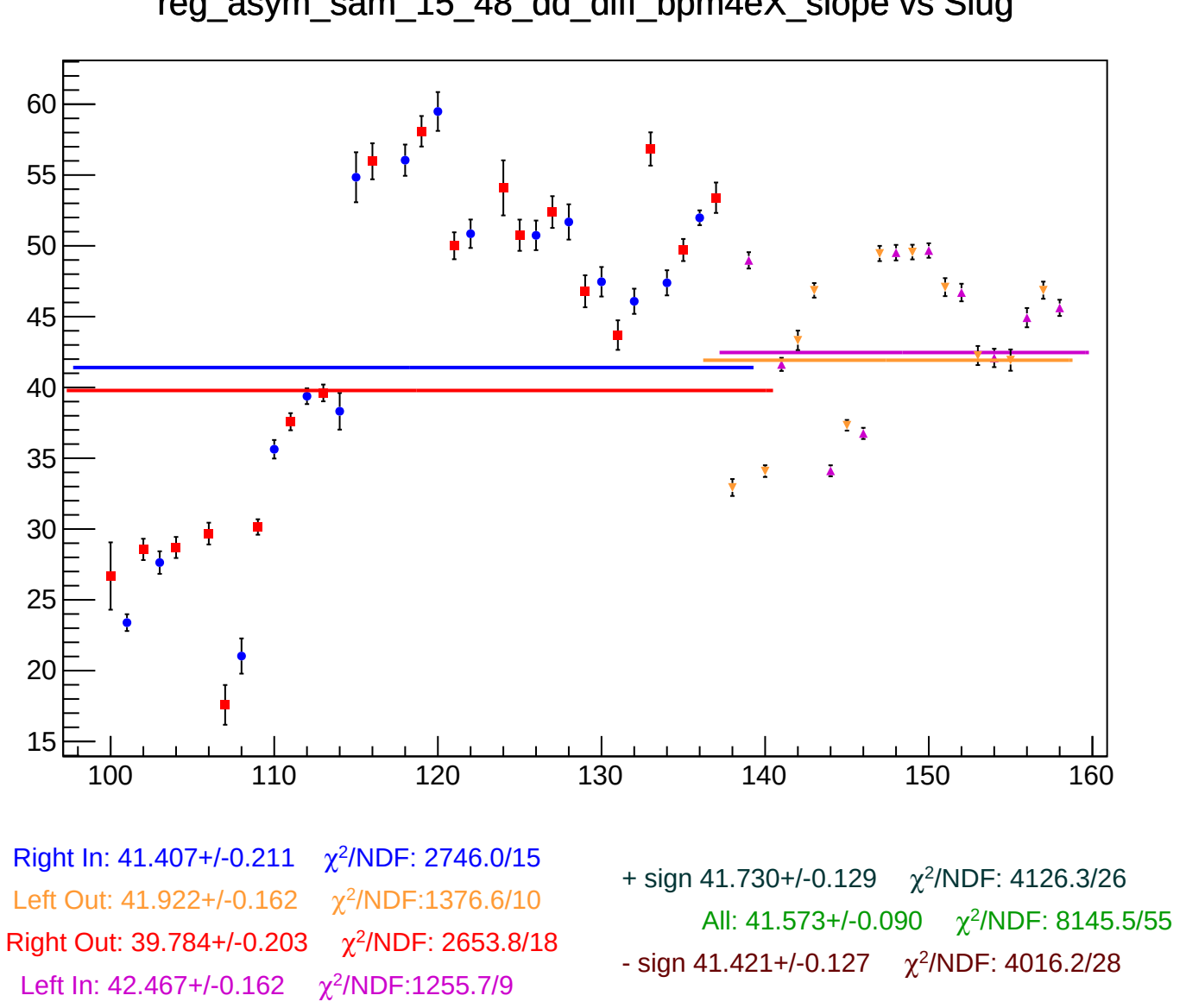
Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

Left In: 4.693+/-0.112 χ^2/NDF:1009.9/9

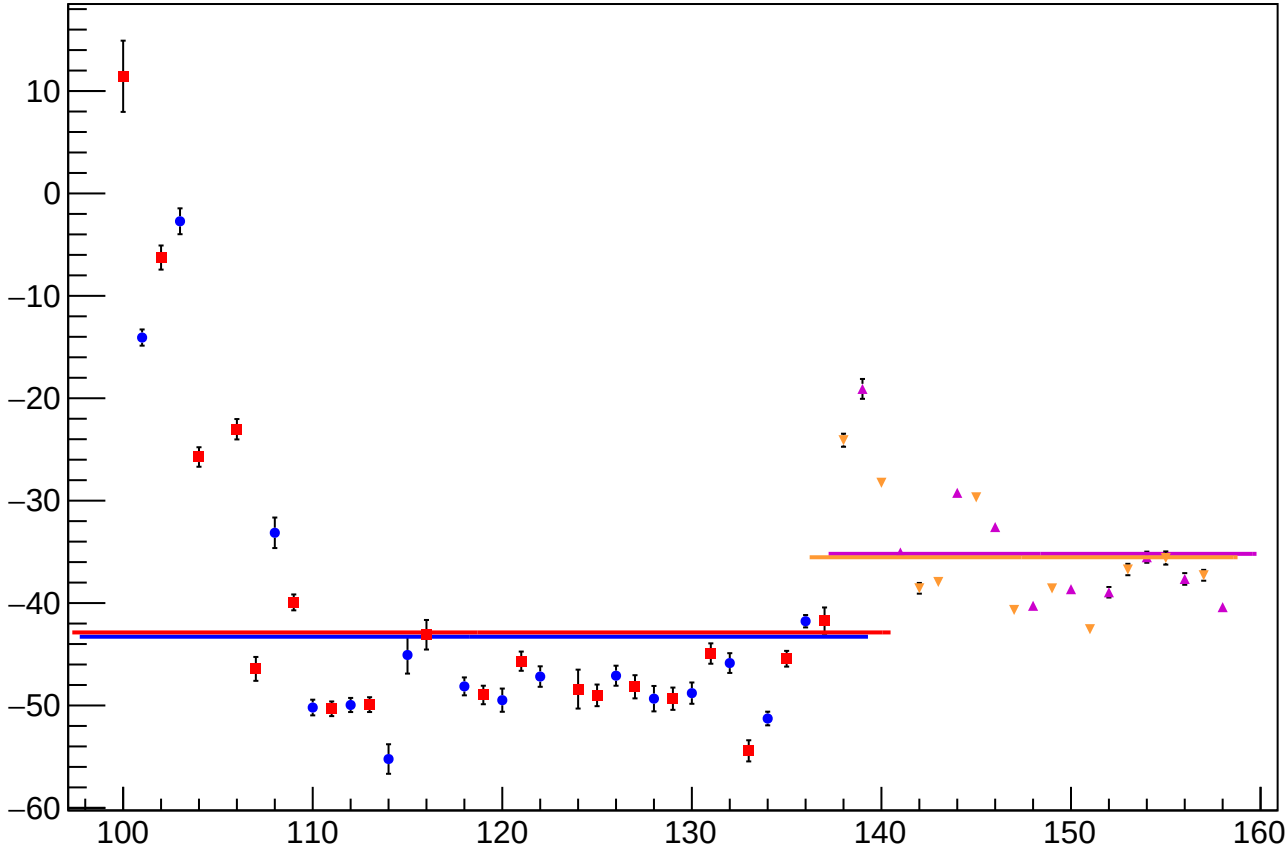
+ sign 3.330+/-0.099 χ^2/NDF: 4833.7/26

All: 3.570+/-0.069 χ^2/NDF: 8502.9/55

- sign 3.805+/-0.098 χ^2/NDF: 3657.6/28


reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug
60
55
50
45
40
35
30
25
20
15
100
110
120
130
140
150
160
Right In: 41.407+/-0.211 χ²/NDF: 2746.0/15
Left Out: 41.922+/-0.162 χ²/NDF:1376.6/10
Right Out: 39.784+/-0.203 χ²/NDF: 2653.8/18
Left In: 42.467+/-0.162 χ²/NDF:1255.7/9
+ sign 41.730+/-0.129 χ²/NDF: 4126.3/26
All: 41.573+/-0.090 χ²/NDF: 8145.5/55
- sign 41.421+/-0.127 χ²/NDF: 4016.2/28

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -43.285+/-0.229 χ^2/NDF: 2985.2/15

Left Out: -35.527+/-0.137 χ^2/NDF:1499.0/10

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

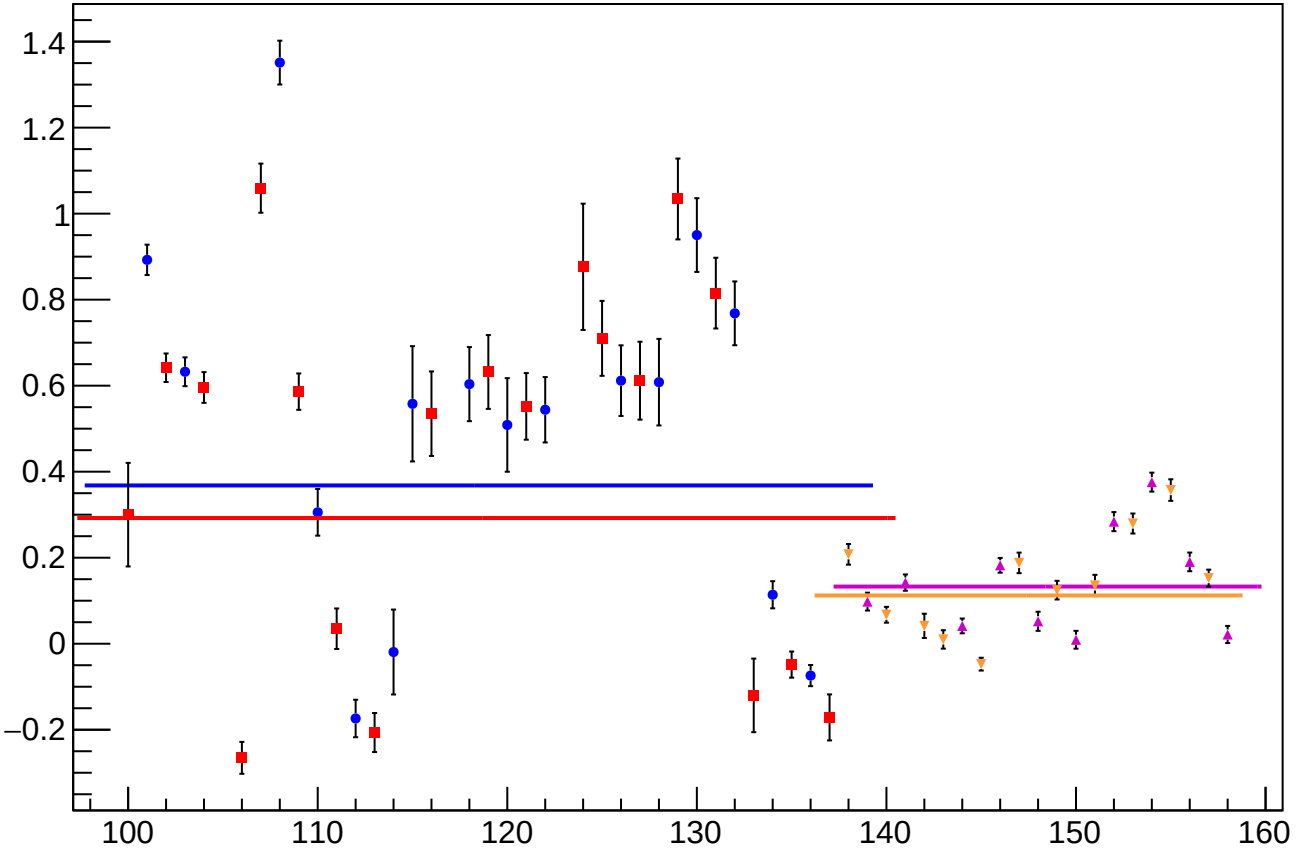
Left In: -35.194+/-0.134 χ^2/NDF:1133.2/9

+ sign -37.571+/-0.118 χ^2/NDF: 5327.2/26

All: -37.359+/-0.083 χ^2/NDF: 9756.6/55

- sign -37.155+/-0.116 χ^2/NDF: 4423.1/28

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.368+/-0.012 χ^2/NDF: 1320.9/15

Left Out: 0.112+/-0.006 χ^2/NDF:328.3/10

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

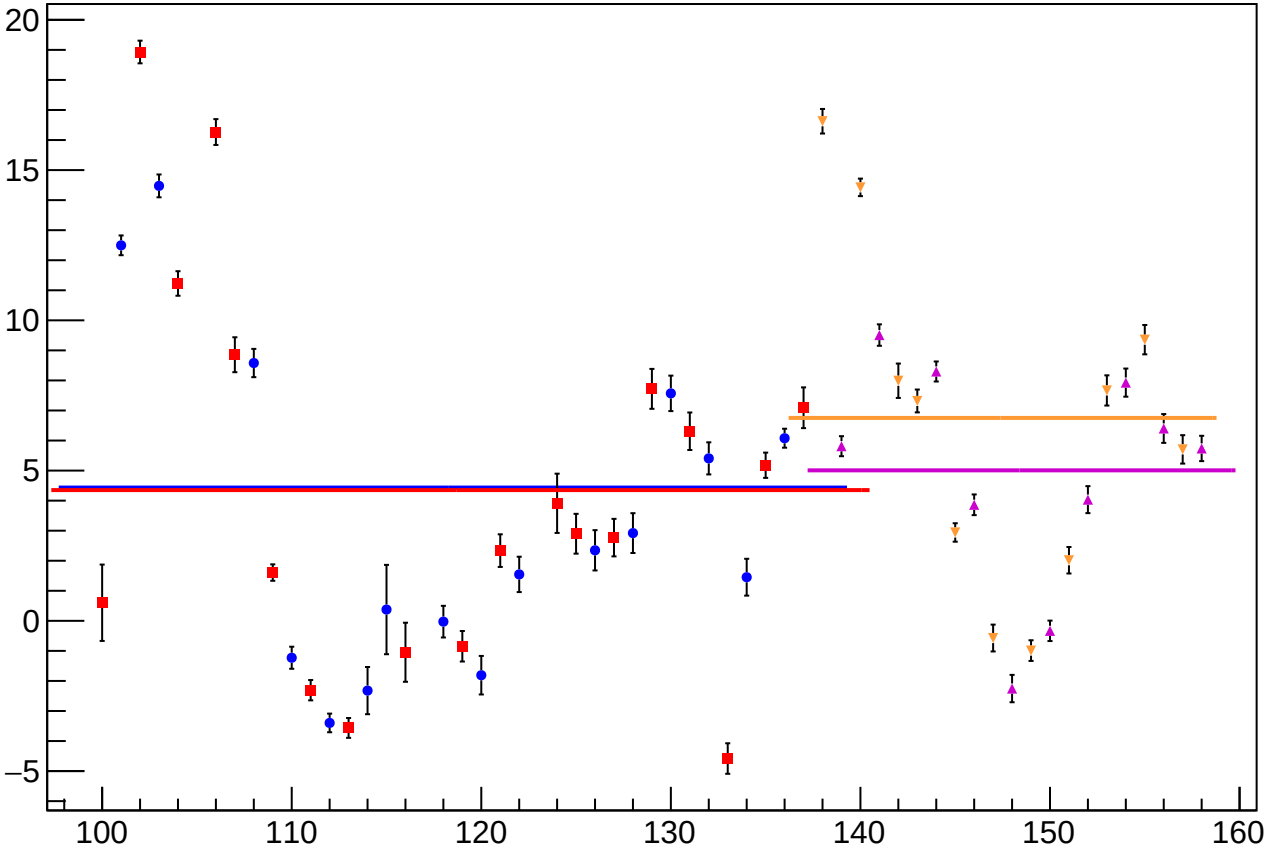
Left In: 0.133+/-0.006 χ^2/NDF:294.4/9

+ sign 0.168+/-0.006 χ^2/NDF: 1993.1/26

All: 0.168+/-0.004 χ^2/NDF: 3622.8/55

- sign 0.167+/-0.006 χ^2/NDF: 1629.8/28

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 4.435+/-0.117 χ^2/NDF: 2622.0/15

Left Out: 6.753+/-0.120 χ^2/NDF:2364.7/10

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

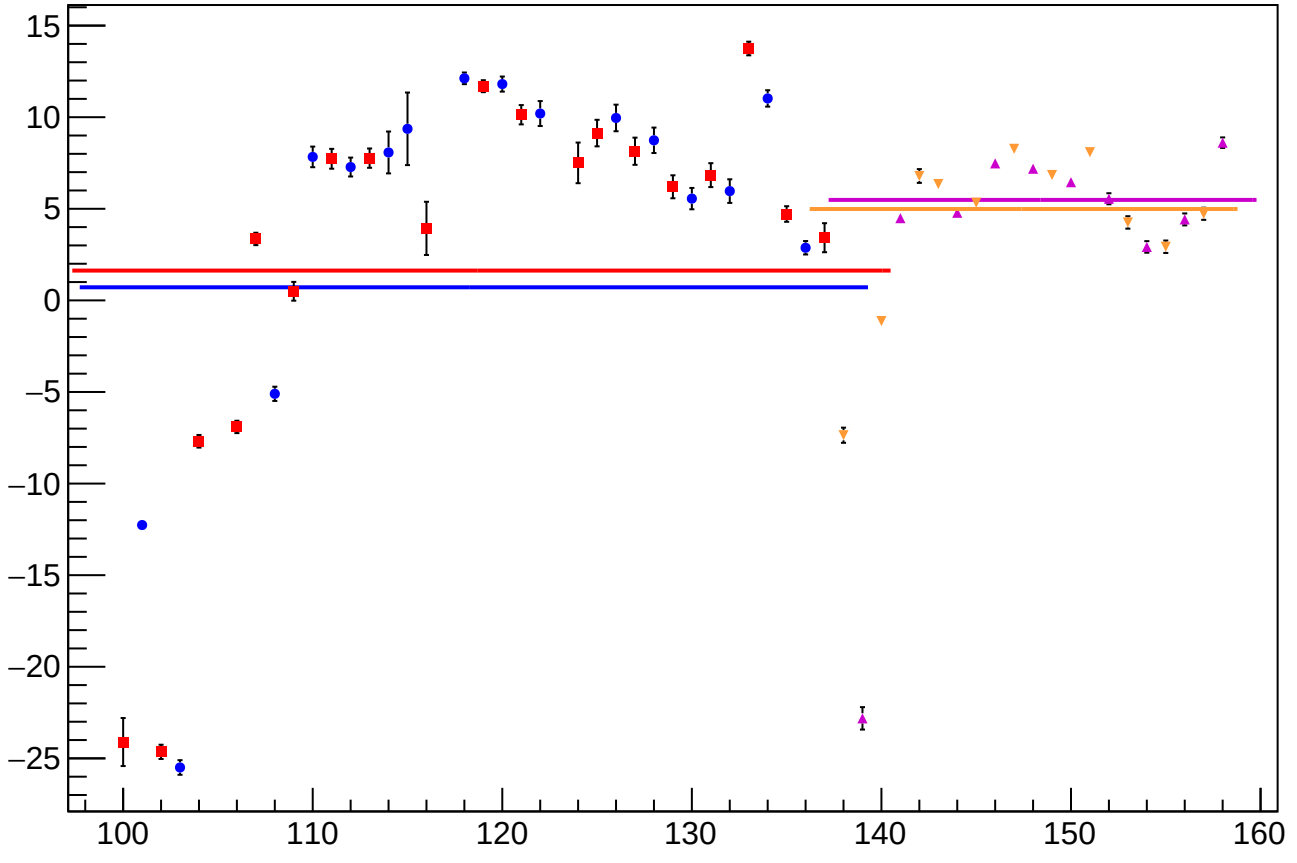
Left In: 5.008+/-0.122 χ^2/NDF:829.5/9

+ sign 5.565+/-0.084 χ^2/NDF: 5178.1/26

All: 5.090+/-0.058 χ^2/NDF: 10291.5/55

- sign 4.643+/-0.081 χ^2/NDF: 5050.9/28

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: 0.715+/-0.116 χ^2/NDF: 10454.0/15

Left Out: 4.988+/-0.083 χ^2/NDF:2084.7/10

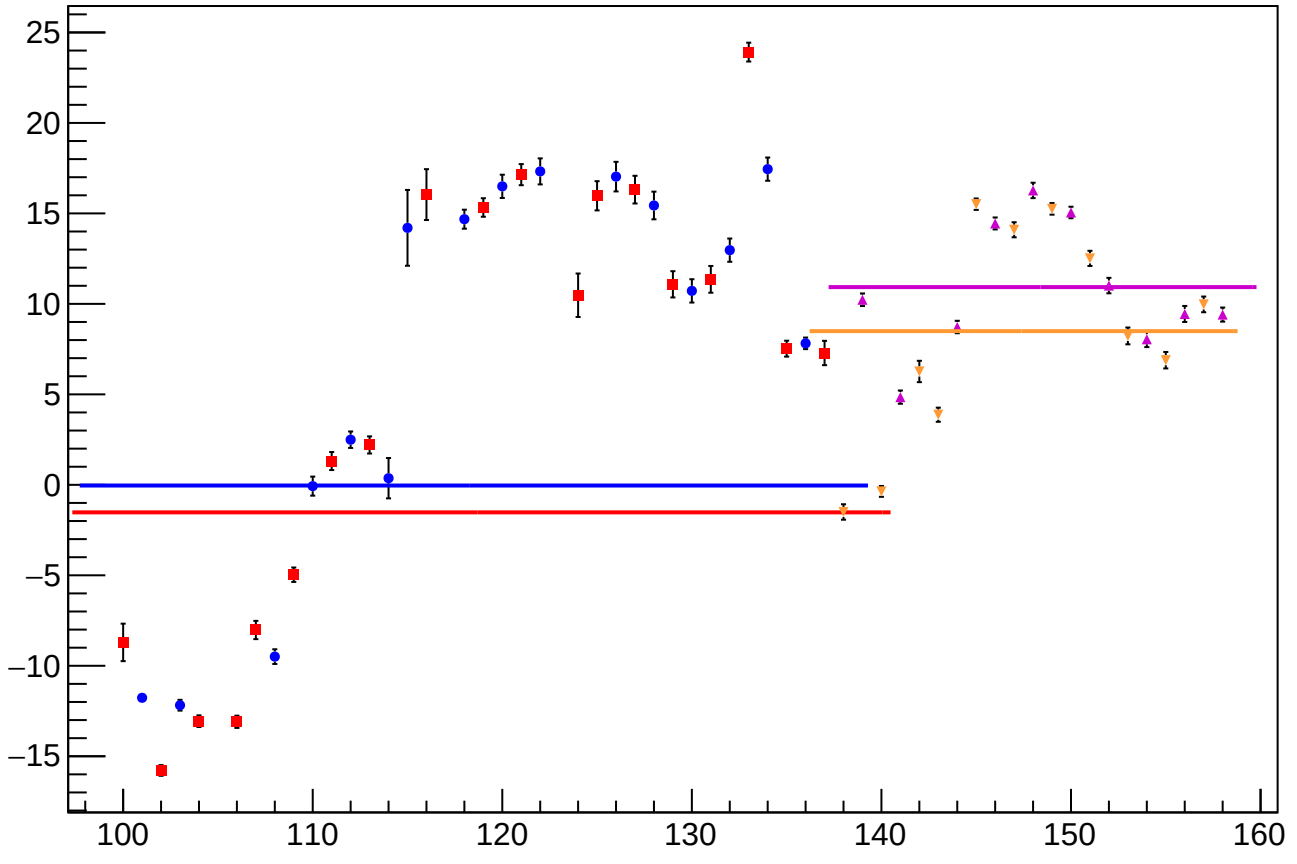
Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

Left In: 5.485+/-0.085 χ^2/NDF:2525.1/9

+ sign 3.535+/-0.068 χ^2/NDF: 13435.6/26

All: 3.798+/-0.048 χ^2/NDF: 26008.2/55

- sign 4.061+/-0.067 χ^2/NDF: 12542.4/28



Right In: -0.038+/-0.119 χ^2/NDF: 9274.3/15

Left Out: 8.494+/-0.118 χ^2/NDF:2809.6/10

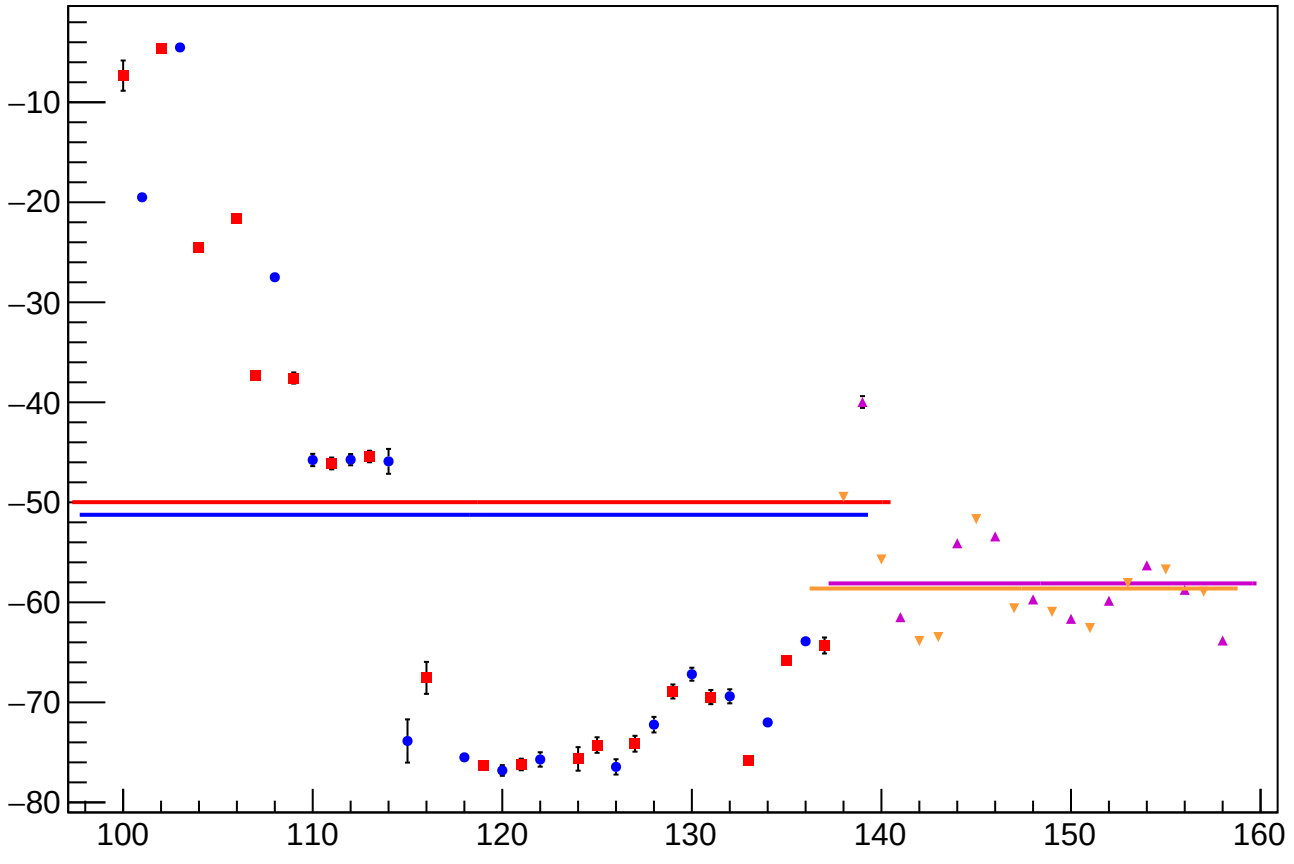
Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

Left In: 10.927+/-0.118 χ^2/NDF:830.0/9

+ sign 4.282+/-0.084 χ^2/NDF: 14671.4/26

All: 4.405+/-0.059 χ^2/NDF: 33317.5/55

- sign 4.524+/-0.083 χ^2/NDF: 18641.9/28



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -58.618+/-0.100 χ^2/NDF:1712.8/10

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

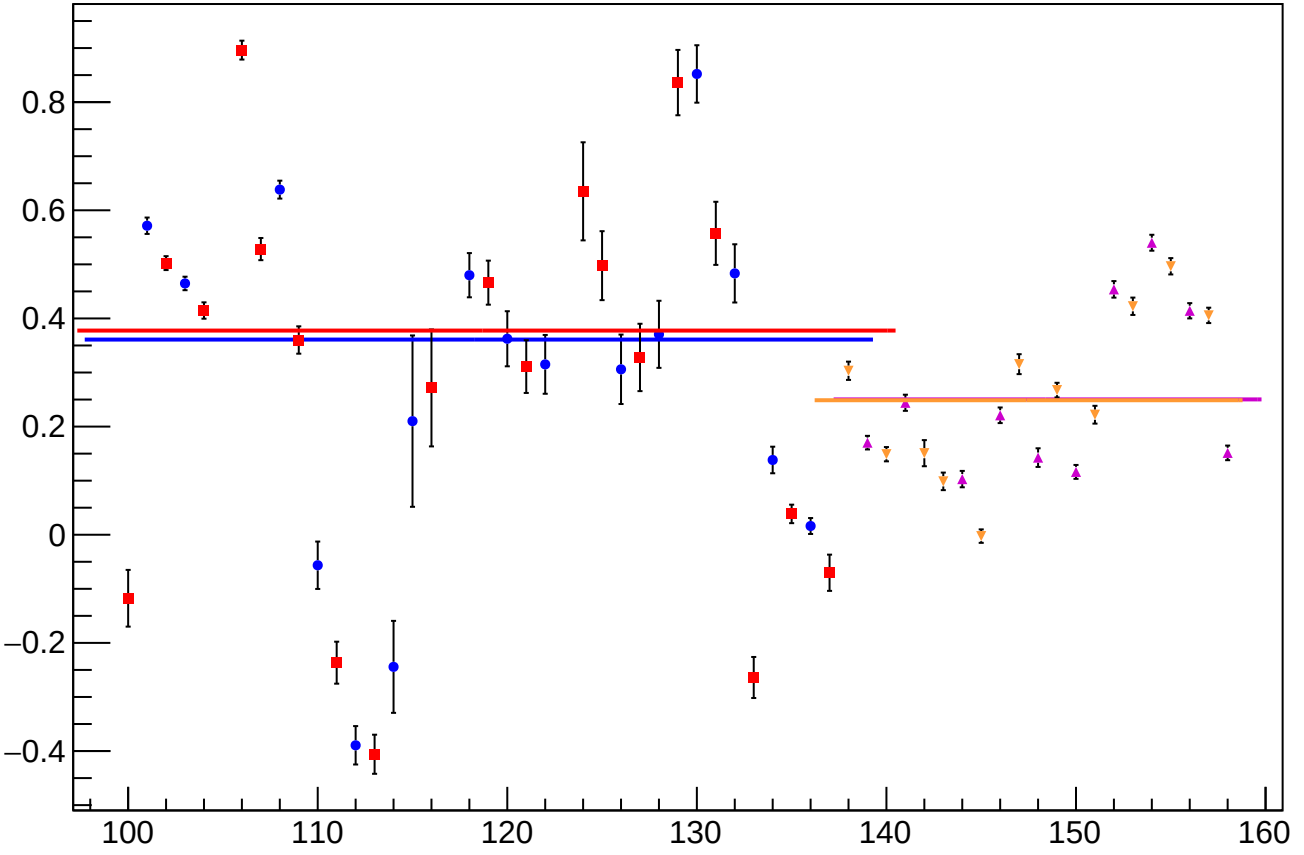
Left In: -58.107+/-0.101 χ^2/NDF:2205.6/9

+ sign -56.015+/-0.081 χ^2/NDF: 37385.7/26

All: -55.545+/-0.057 χ^2/NDF: 75978.6/55

- sign -55.086+/-0.080 χ^2/NDF: 38525.8/28

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.361+/-0.006 χ^2/NDF: 1860.0/15

Left Out: 0.249+/-0.005 χ^2/NDF:1101.1/10

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

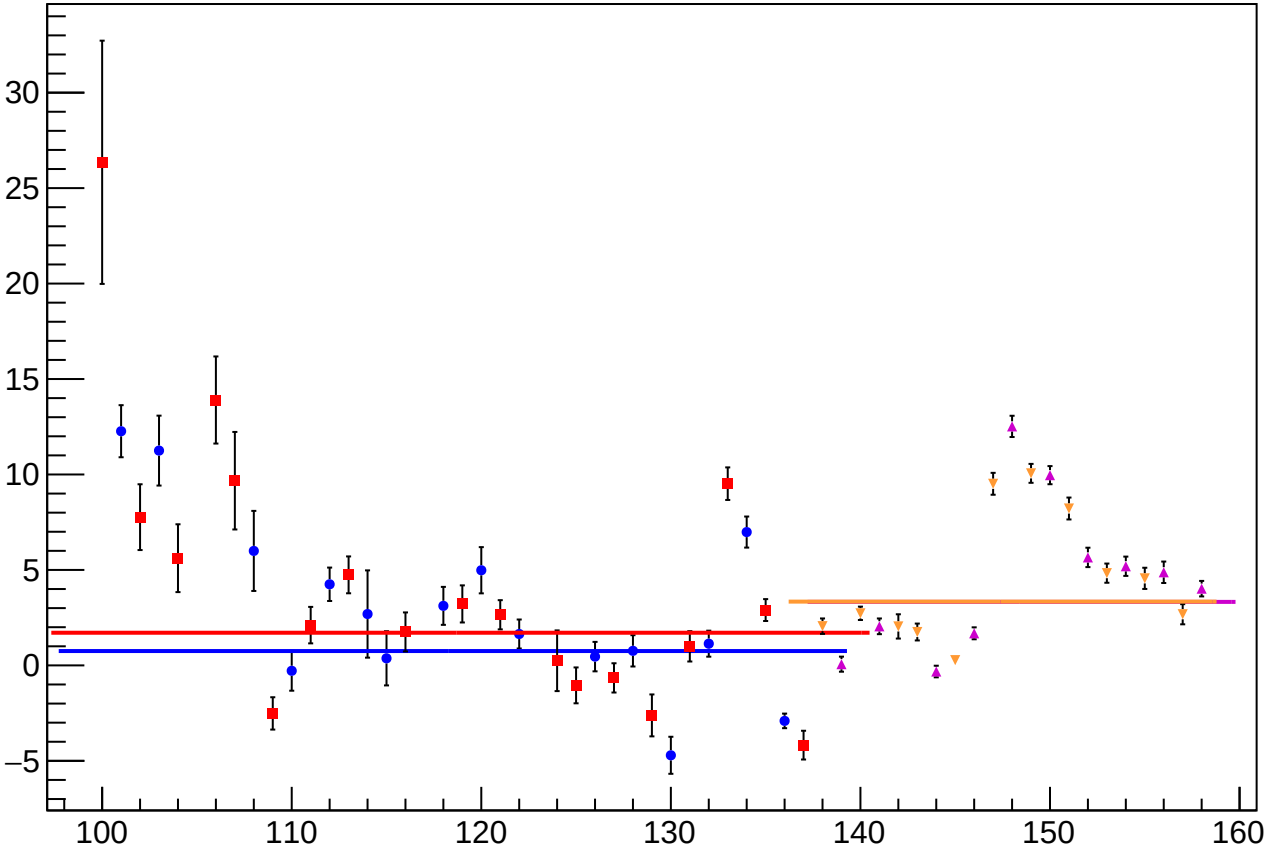
Left In: 0.250+/-0.005 χ^2/NDF:1039.3/9

+ sign 0.288+/-0.004 χ^2/NDF: 3164.1/26

All: 0.292+/-0.003 χ^2/NDF: 7275.9/55

- sign 0.295+/-0.004 χ^2/NDF: 4109.7/28

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.752+/-0.212 χ^2/NDF: 330.1/15

Left Out: 3.341+/-0.132 χ^2/NDF:553.0/10

Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

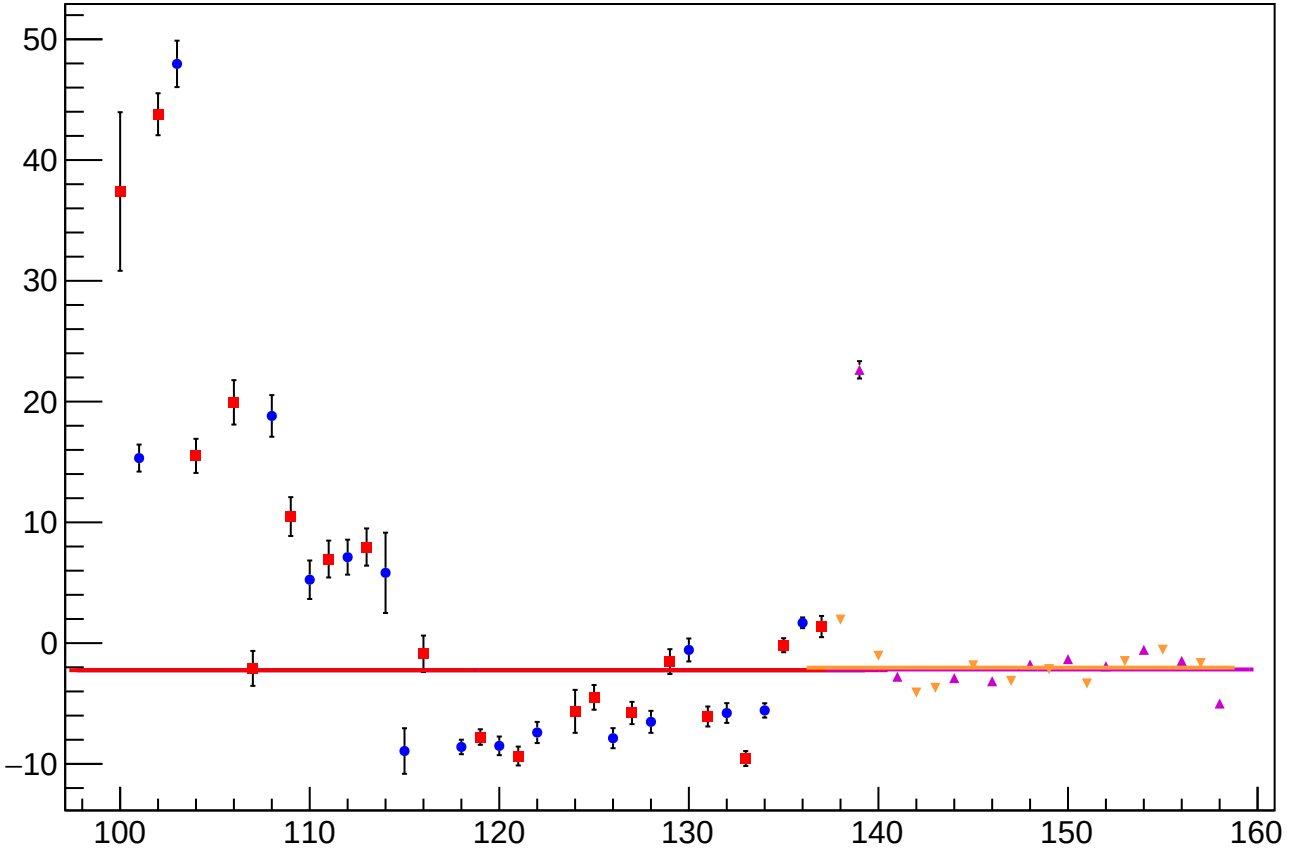
Left In: 3.326+/-0.131 χ^2/NDF:762.8/9

+ sign 2.618+/-0.112 χ^2/NDF: 990.2/26

All: 2.763+/-0.080 χ^2/NDF: 2089.1/55

- sign 2.910+/-0.113 χ^2/NDF: 1095.6/28

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: -2.245+/-0.215 χ^2/NDF: 1572.5/15

Left Out: -2.031+/-0.094 χ^2/NDF:218.5/10

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

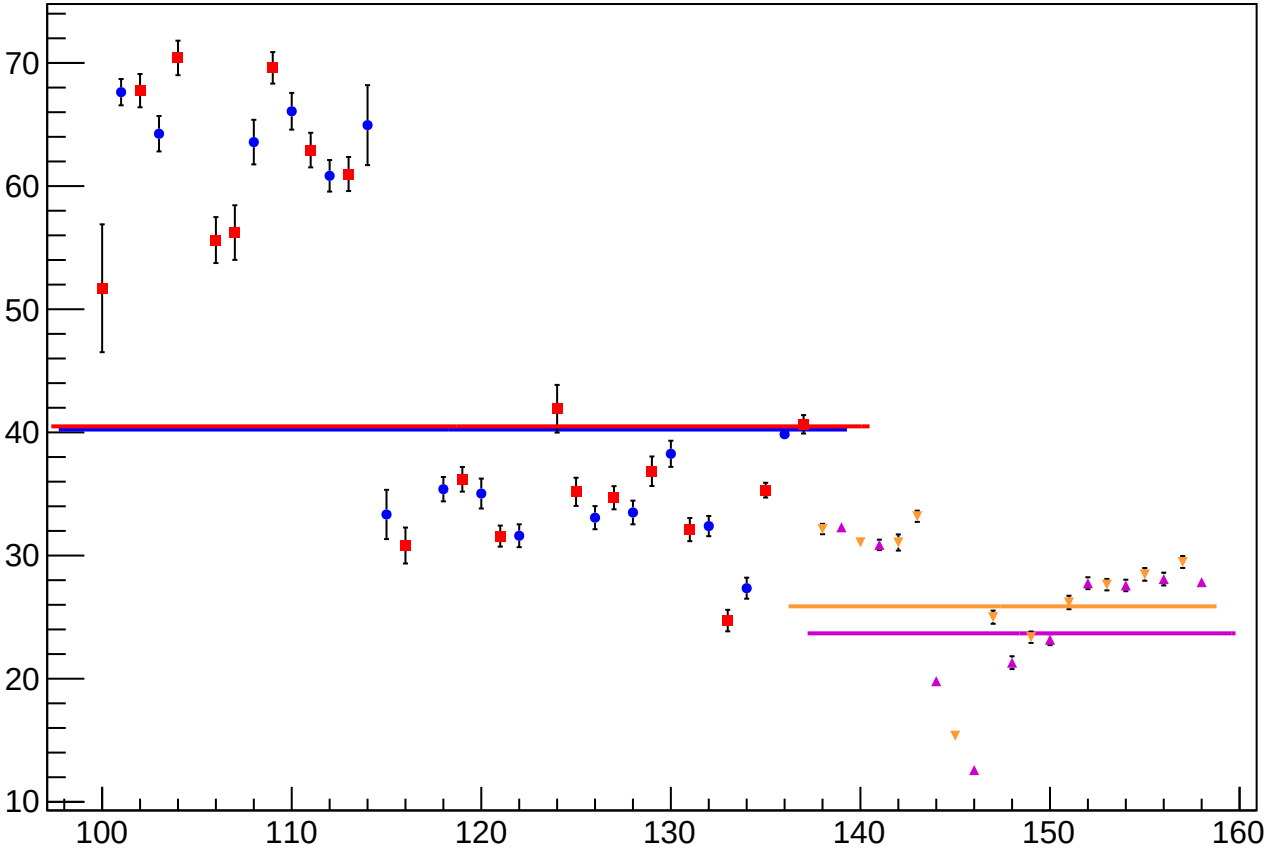
Left In: -2.180+/-0.091 χ^2/NDF:1374.4/9

+ sign -2.066+/-0.086 χ^2/NDF: 1791.9/26

All: -2.128+/-0.060 χ^2/NDF: 4723.0/55

- sign -2.189+/-0.084 χ^2/NDF: 2930.1/28

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 40.232+/-0.231 χ^2/NDF: 2291.1/15

Left Out: 25.875+/-0.131 χ^2/NDF:2373.5/10

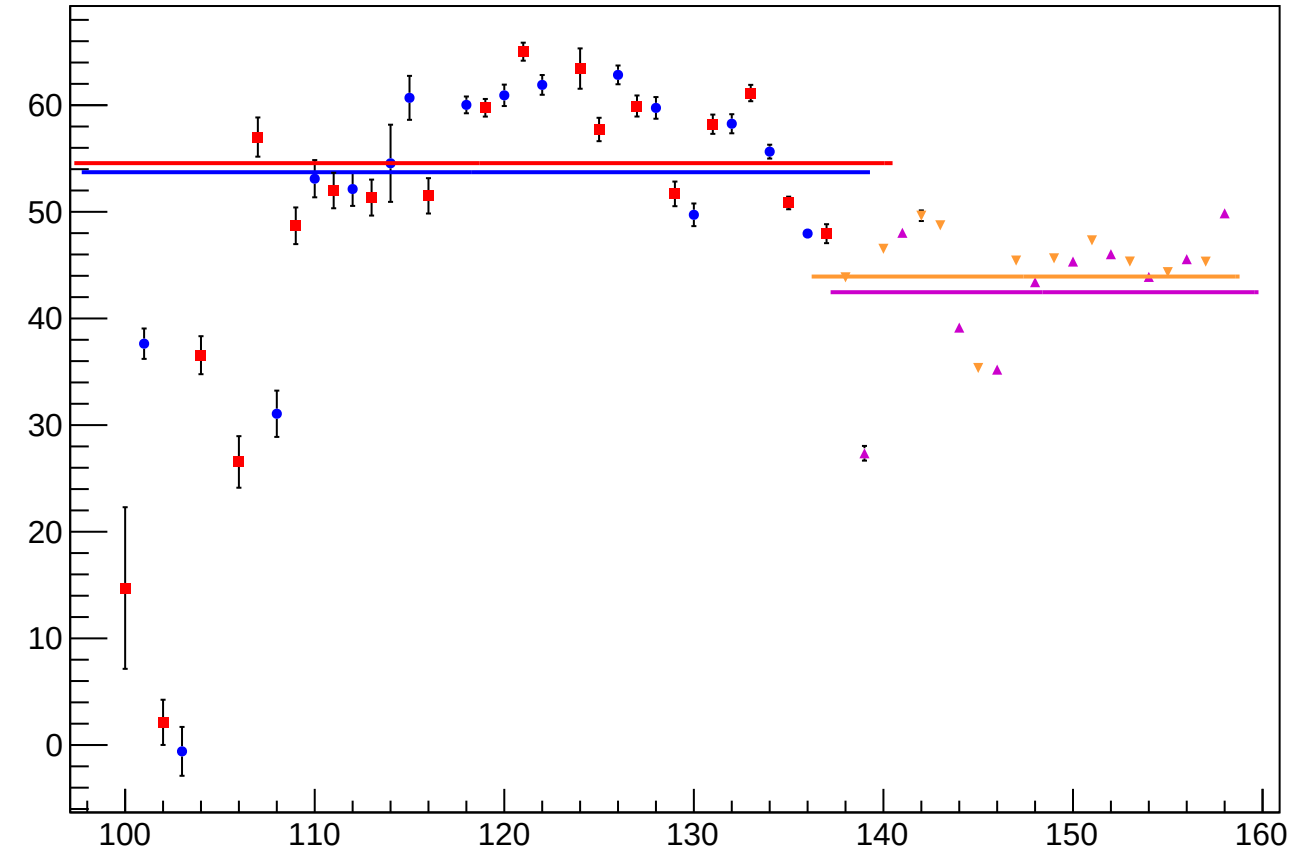
Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 23.683+/-0.128 χ^2/NDF:2593.2/9

+ sign 29.363+/-0.114 χ^2/NDF: 7577.8/26

All: 28.261+/-0.081 χ^2/NDF: 16627.5/55

- sign 27.161+/-0.114 χ^2/NDF: 8863.2/28



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 43.931+/-0.113 χ^2/NDF:1692.0/10

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

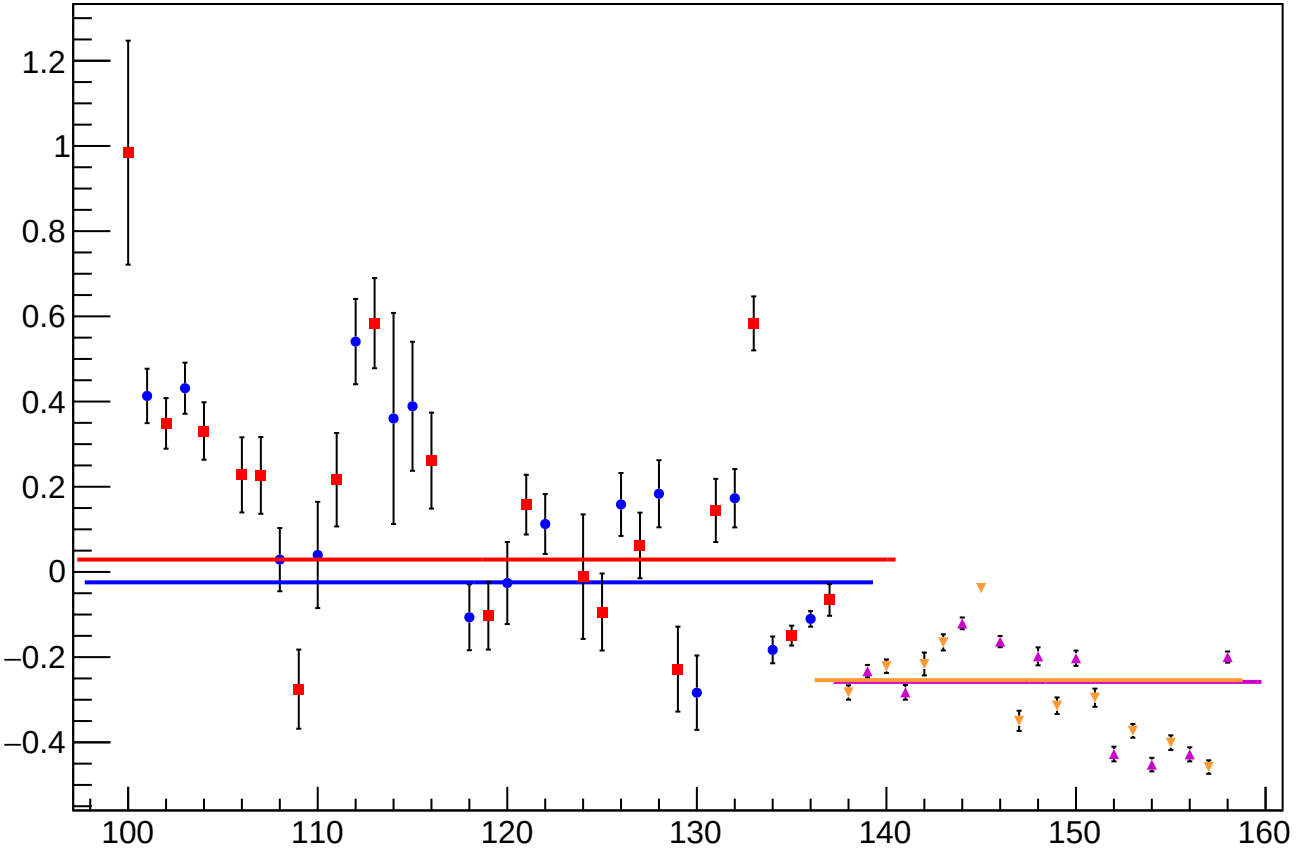
Left In: 42.462+/-0.107 χ^2/NDF:2671.6/9

+ sign 45.710+/-0.102 χ^2/NDF: 4425.8/26

All: 44.971+/-0.071 χ^2/NDF: 10441.3/55

- sign 44.272+/-0.099 χ^2/NDF: 5913.1/28

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.024+/-0.013 χ^2/NDF: 229.7/15

Left Out: -0.254+/-0.005 χ^2/NDF:755.8/10

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

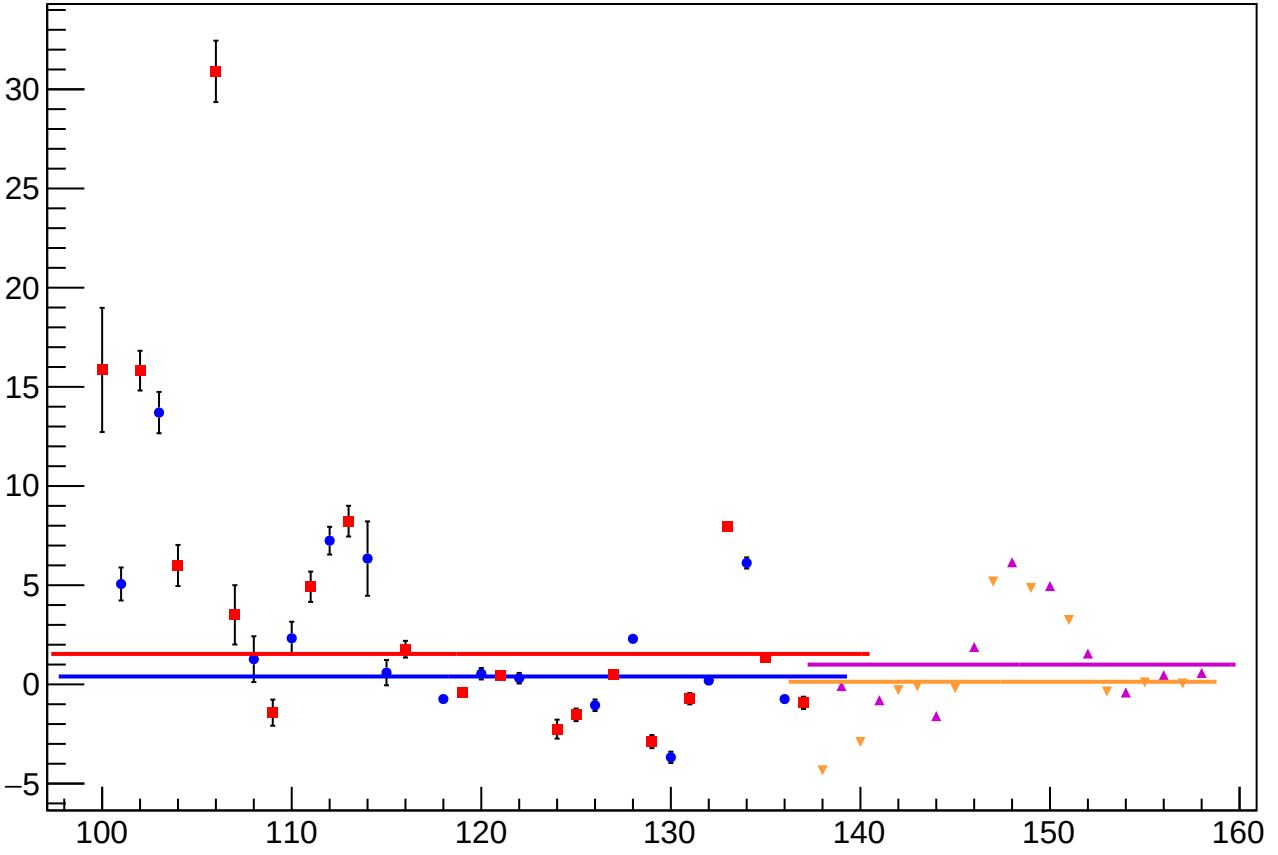
Left In: -0.258+/-0.005 χ^2/NDF:544.5/9

+ sign -0.222+/-0.005 χ^2/NDF: 1262.6/26

All: -0.225+/-0.003 χ^2/NDF: 2447.0/55

- sign -0.227+/-0.005 χ^2/NDF: 1183.8/28

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.398+/-0.077 χ^2/NDF: 1097.4/15

Left Out: 0.133+/-0.048 χ^2/NDF:3242.6/10

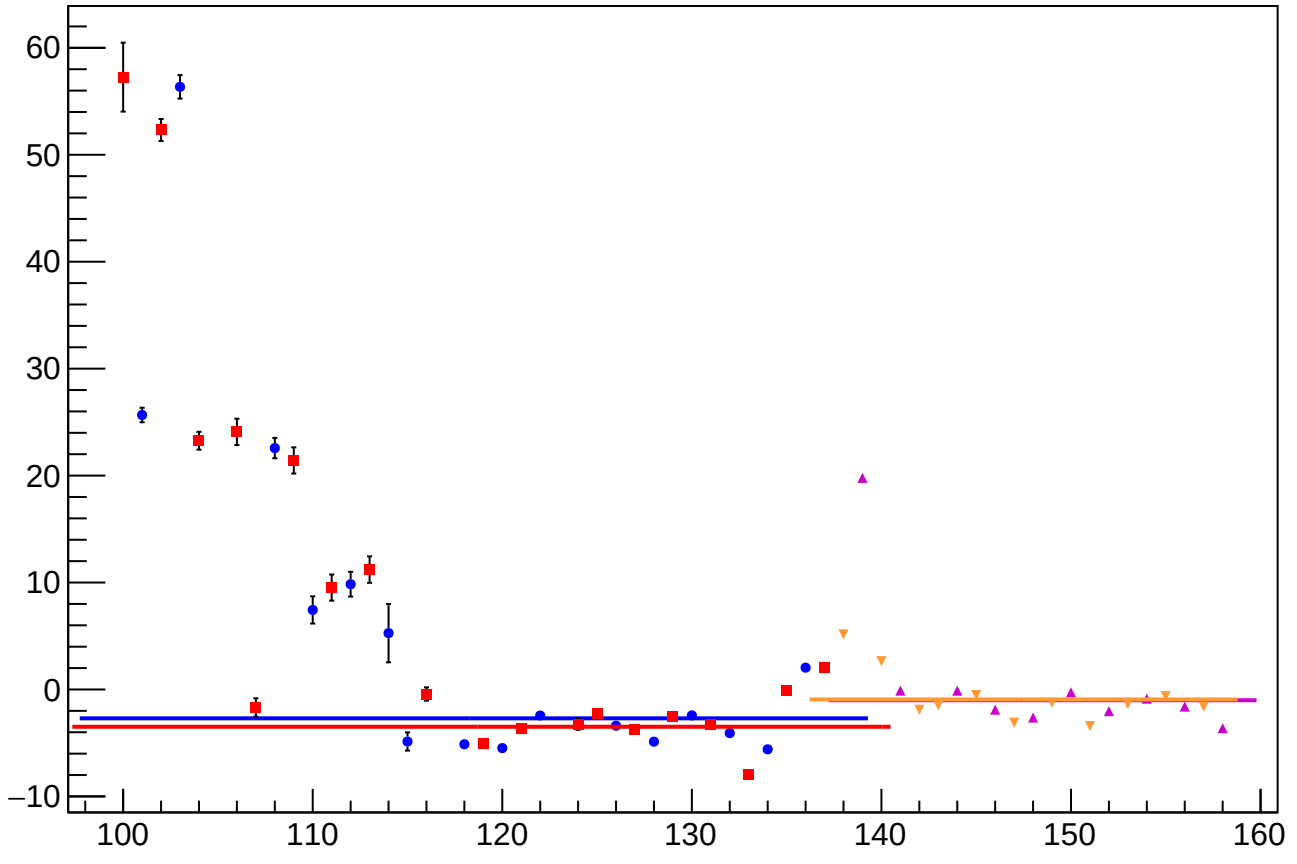
Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

Left In: 0.998+/-0.048 χ^2/NDF:2333.4/9

+ sign 0.208+/-0.041 χ^2/NDF: 4348.4/26

All: 0.678+/-0.029 χ^2/NDF: 9390.3/55

- sign 1.145+/-0.041 χ^2/NDF: 4778.9/28



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: -0.932+/-0.034 χ^2/NDF:3710.6/10

Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

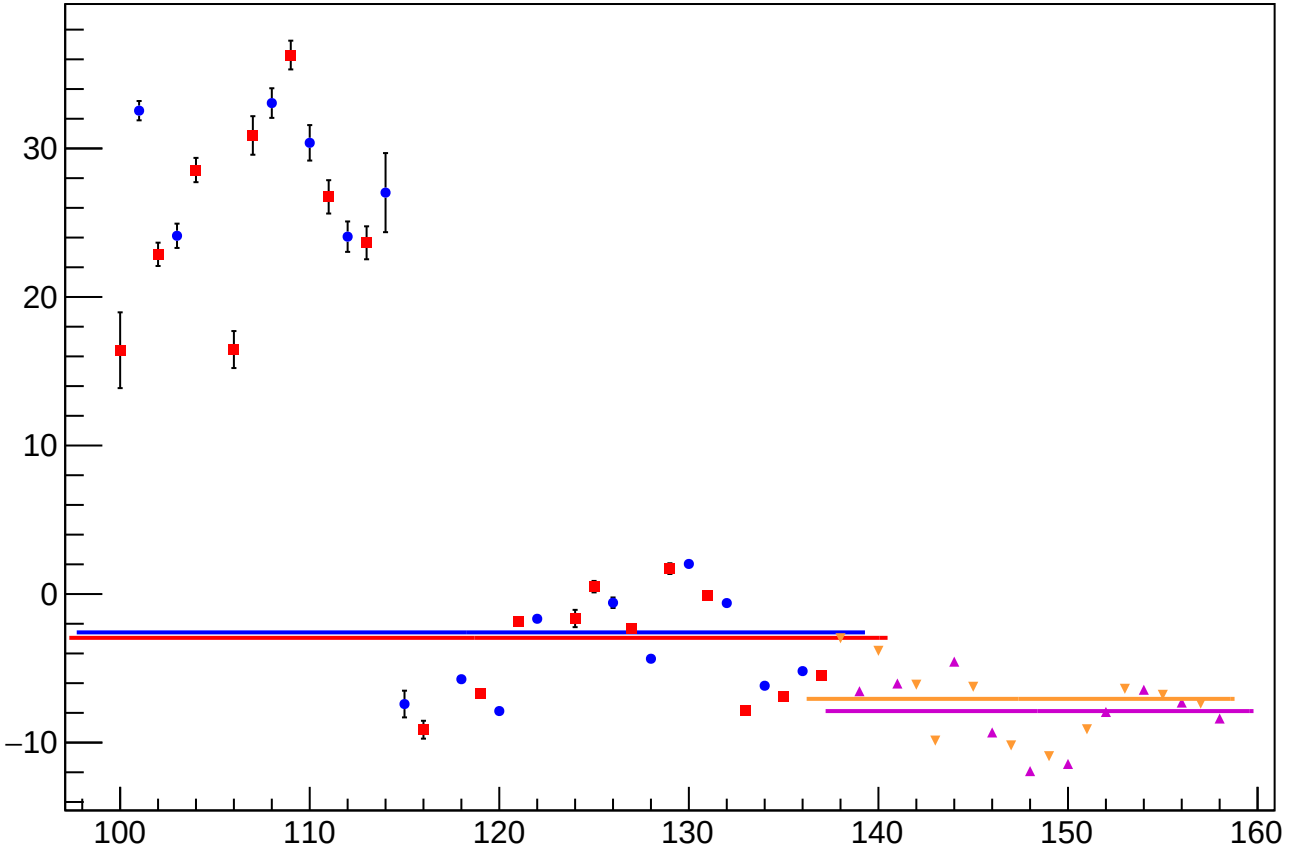
Left In: -1.007+/-0.033 χ^2/NDF:7889.8/9

+ sign -1.267+/-0.031 χ^2/NDF: 11320.2/26

All: -1.363+/-0.022 χ^2/NDF: 27391.6/55

- sign -1.455+/-0.030 χ^2/NDF: 16052.4/28

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -2.582+/-0.083 χ^2/NDF: 8159.7/15

Left Out: -7.057+/-0.048 χ^2/NDF:2745.8/10

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

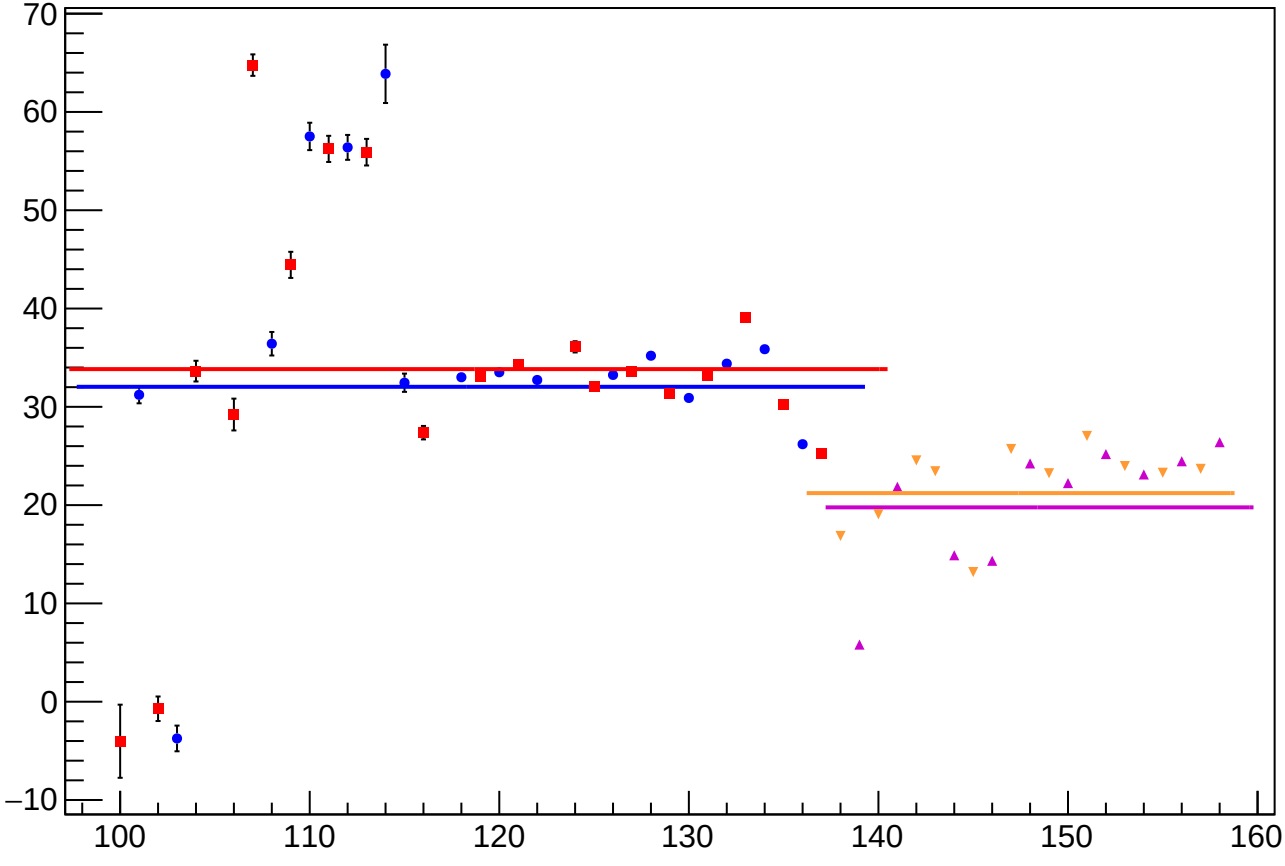
Left In: -7.880+/-0.047 χ^2/NDF:2513.6/9

+ sign -5.945+/-0.041 χ^2/NDF: 13085.4/26

All: -6.345+/-0.029 χ^2/NDF: 26568.3/55

- sign -6.735+/-0.041 χ^2/NDF: 13298.6/28

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 32.038+/-0.081 χ^2/NDF: 3255.9/15

Left Out: 21.222+/-0.041 χ^2/NDF:13105.0/10

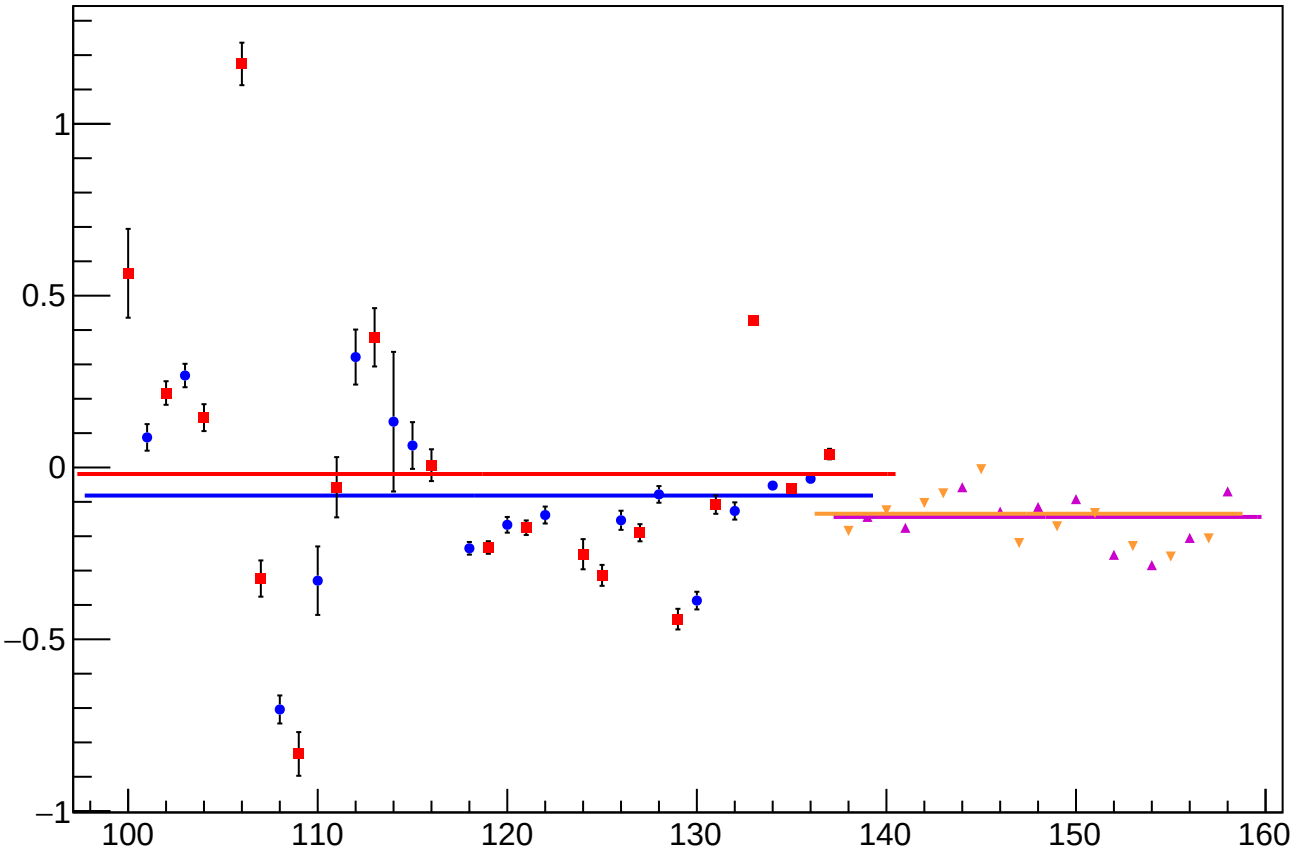
Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

Left In: 19.771+/-0.040 χ^2/NDF:16836.3/9

+ sign 23.418+/-0.037 χ^2/NDF: 30469.4/26

All: 22.917+/-0.026 χ^2/NDF: 75965.3/55

- sign 22.444+/-0.036 χ^2/NDF: 45131.8/28



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.135+/-0.002 χ^2/NDF:2049.8/10

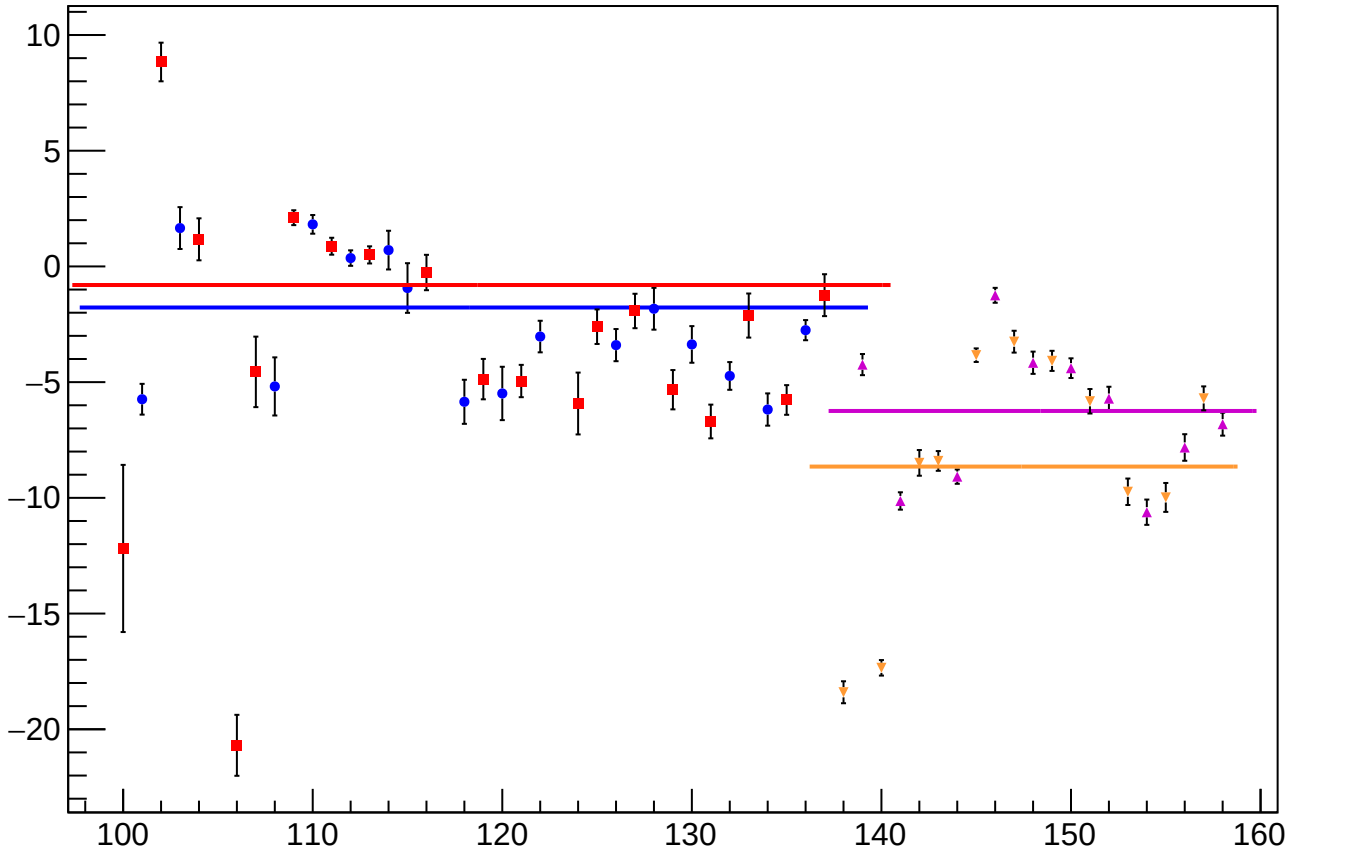
Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

Left In: -0.144+/-0.002 χ^2/NDF:1452.4/9

+ sign -0.128+/-0.002 χ^2/NDF: 2843.1/26

All: -0.129+/-0.001 χ^2/NDF: 7084.3/55

- sign -0.130+/-0.002 χ^2/NDF: 4240.0/28



Right In: -1.775+/-0.157 χ^2/NDF: 297.7/15

Left Out: -8.649+/-0.133 χ^2/NDF:1674.6/10

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

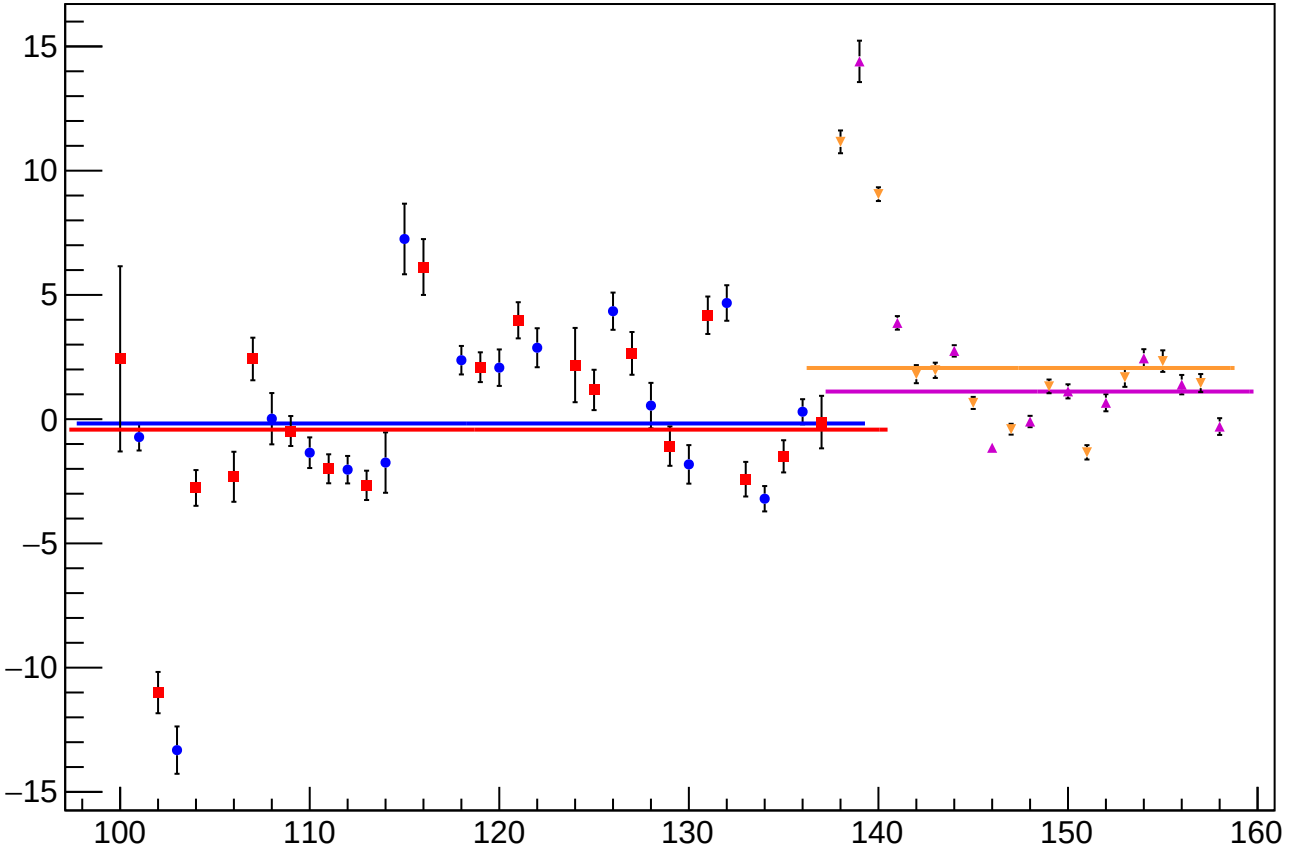
Left In: -6.246+/-0.134 χ^2/NDF:562.1/9

+ sign -5.776+/-0.102 χ^2/NDF: 3086.2/26

All: -4.769+/-0.071 χ^2/NDF: 5317.3/55

- sign -3.807+/-0.099 χ^2/NDF: 2038.9/28

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 2.060+/-0.092 χ^2/NDF:1343.5/10

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

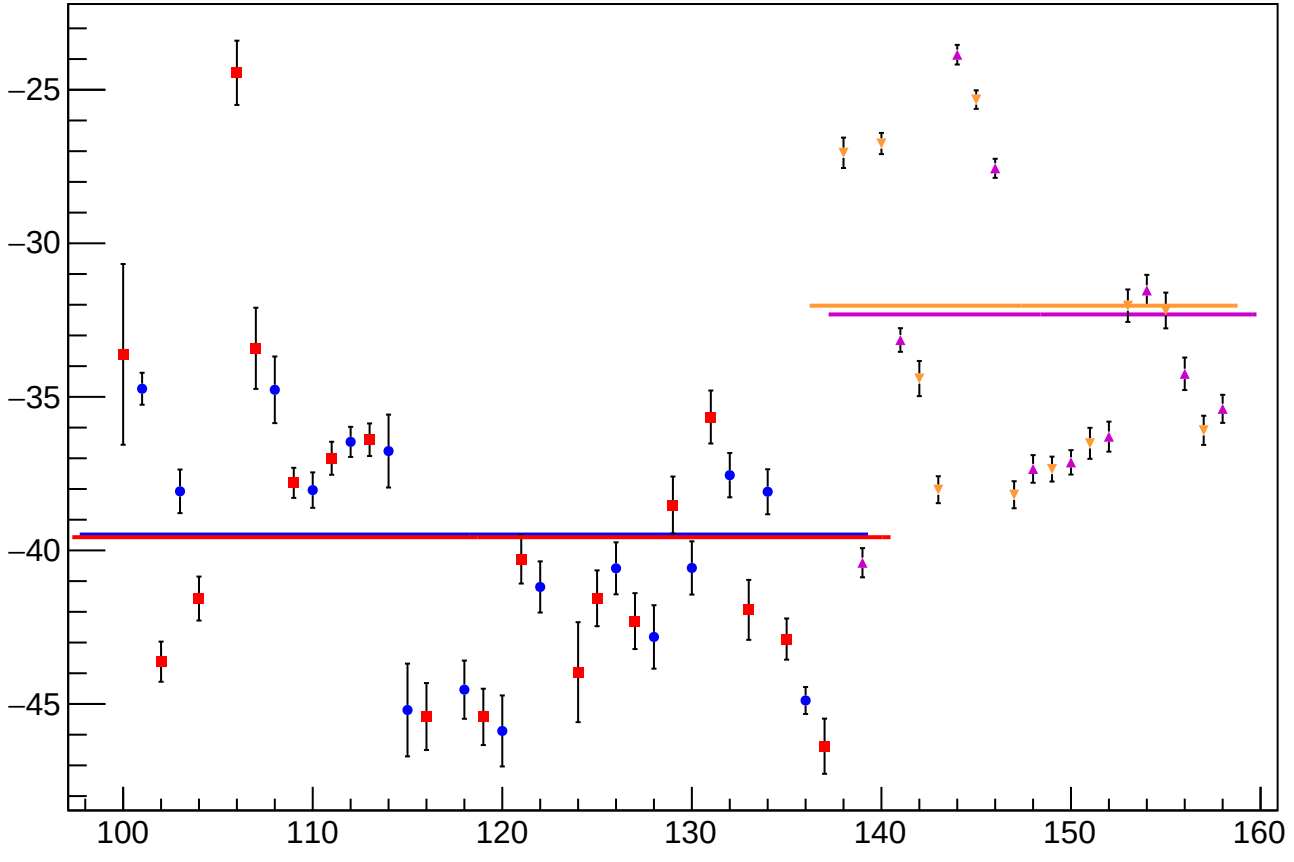
Left In: 1.111+/-0.090 χ^2/NDF:604.4/9

+ sign 1.569+/-0.081 χ^2/NDF: 1876.7/26

All: 1.179+/-0.057 χ^2/NDF: 2952.7/55

- sign 0.797+/-0.080 χ^2/NDF: 1030.1/28

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -39.484+/-0.180 χ^2/NDF: 409.3/15

Left Out: -32.031+/-0.131 χ^2/NDF:1554.5/10

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

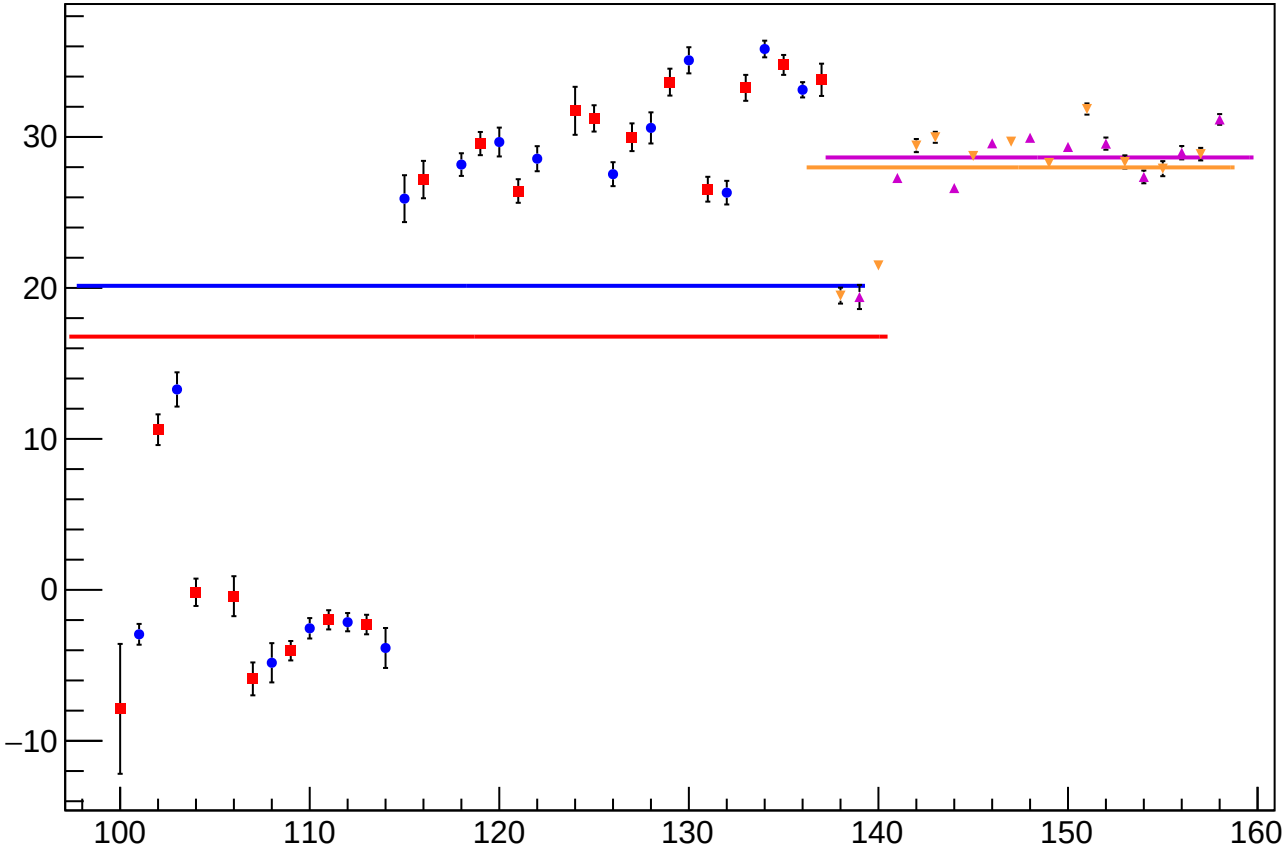
Left In: -32.316+/-0.130 χ^2/NDF:1626.8/9

+ sign -34.619+/-0.106 χ^2/NDF: 3079.8/26

All: -34.705+/-0.075 χ^2/NDF: 6320.2/55

- sign -34.789+/-0.106 χ^2/NDF: 3239.1/28

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 20.140+/-0.195 χ^2/NDF: 6684.6/15

Left Out: 27.984+/-0.111 χ^2/NDF:834.5/10

Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

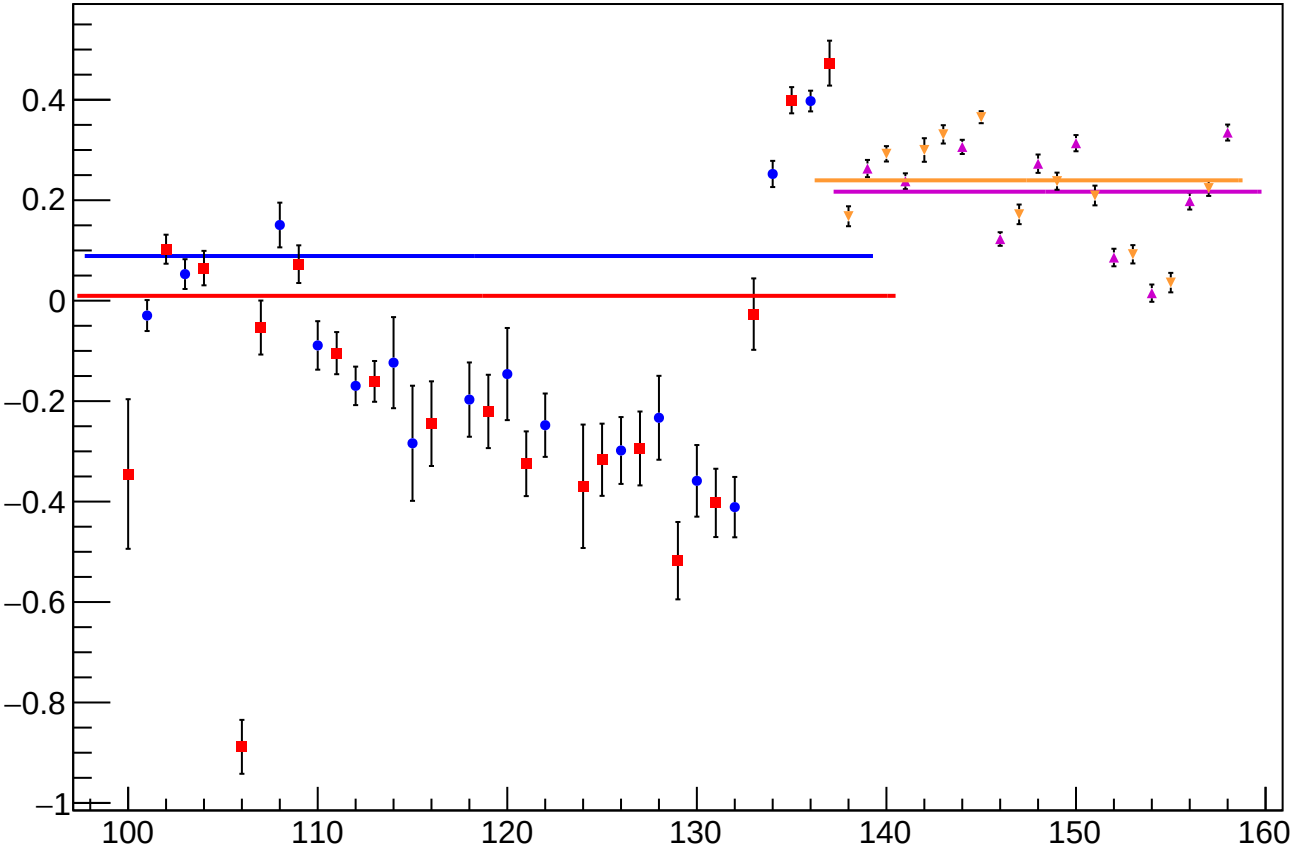
Left In: 28.643+/-0.108 χ^2/NDF:309.7/9

+ sign 26.058+/-0.096 χ^2/NDF: 8743.6/26

All: 26.008+/-0.068 χ^2/NDF: 18526.0/55

- sign 25.960+/-0.095 χ^2/NDF: 9781.9/28

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.240+/-0.005 χ^2/NDF:358.1/10

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

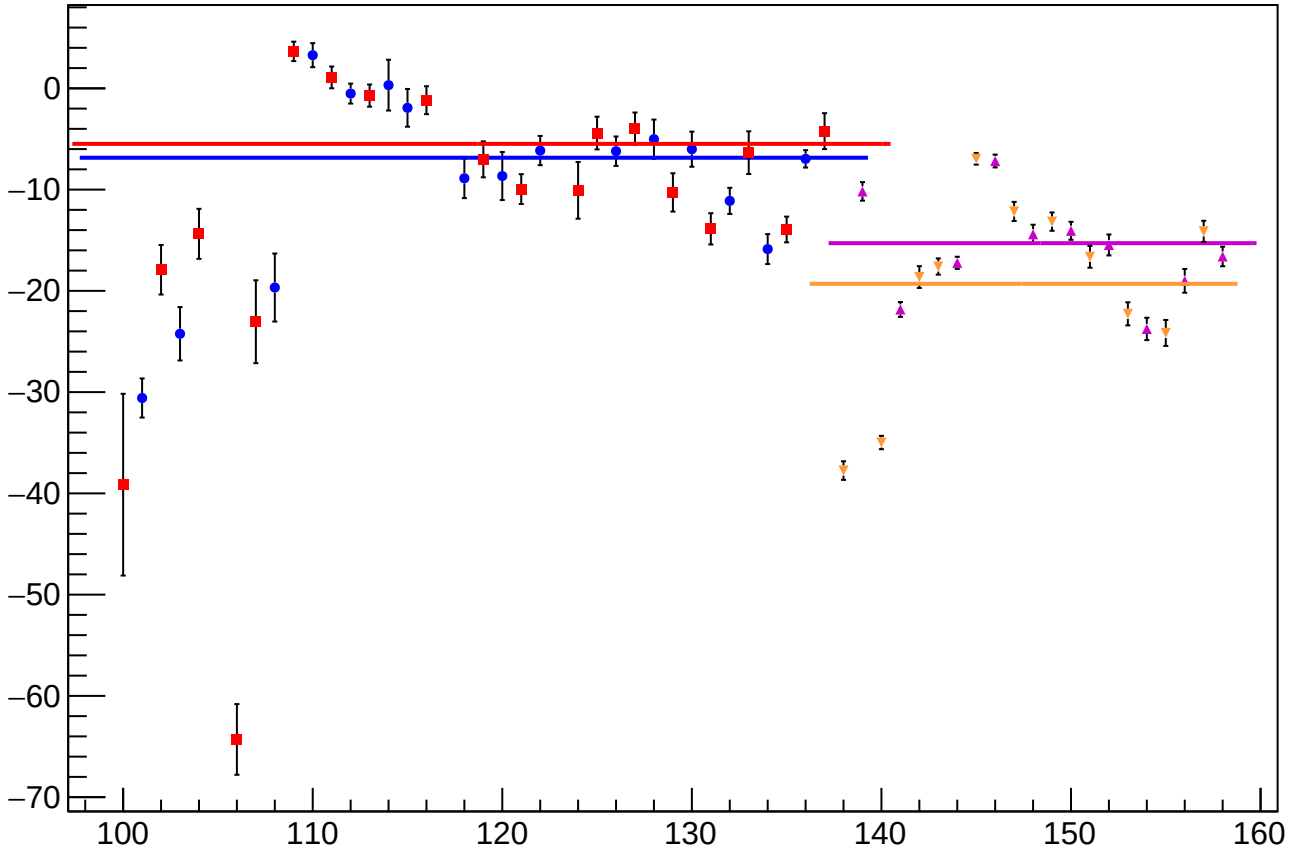
Left In: 0.217+/-0.005 χ^2/NDF:392.7/9

+ sign 0.210+/-0.005 χ^2/NDF: 1089.7/26

All: 0.195+/-0.003 χ^2/NDF: 2628.9/55

- sign 0.181+/-0.005 χ^2/NDF: 1519.7/28

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -6.853+/-0.376 χ^2/NDF: 390.1/15

Left Out: -19.304+/-0.263 χ^2/NDF:1584.6/10

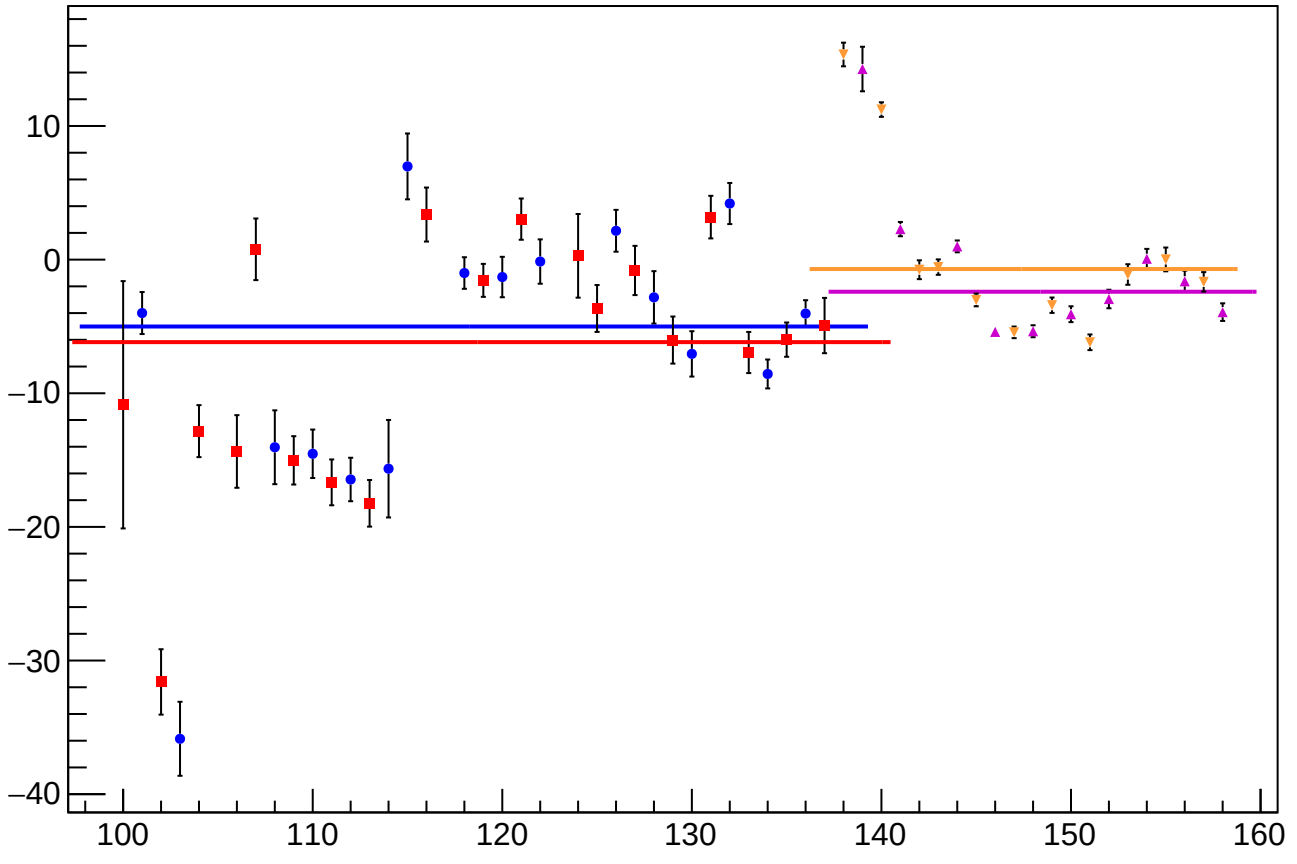
Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

Left In: -15.288+/-0.265 χ^2/NDF:358.0/9

+ sign -15.198+/-0.216 χ^2/NDF: 2711.2/26

All: -13.571+/-0.152 χ^2/NDF: 4255.1/55

- sign -11.951+/-0.215 χ^2/NDF: 1430.4/28



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: -0.704+/-0.182 χ^2/NDF:1065.1/10

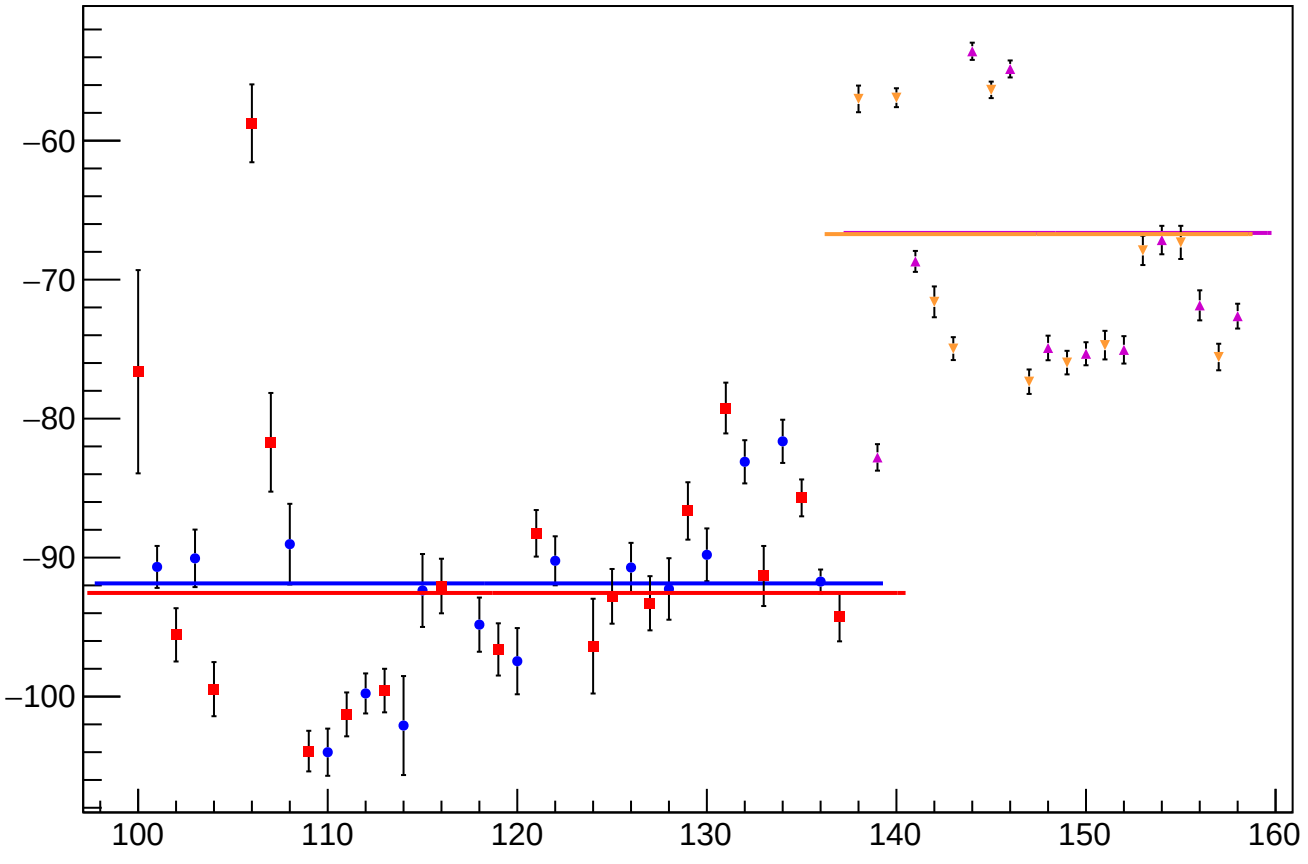
Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

Left In: -2.403+/-0.178 χ^2/NDF:369.4/9

+ sign -1.457+/-0.165 χ^2/NDF: 1504.4/26

All: -2.229+/-0.116 χ^2/NDF: 2355.3/55

- sign -2.983+/-0.163 χ^2/NDF: 807.8/28



Right In: -91.856+/-0.424 χ^2/NDF: 177.3/15

Left Out: -66.724+/-0.261 χ^2/NDF:1149.6/10

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

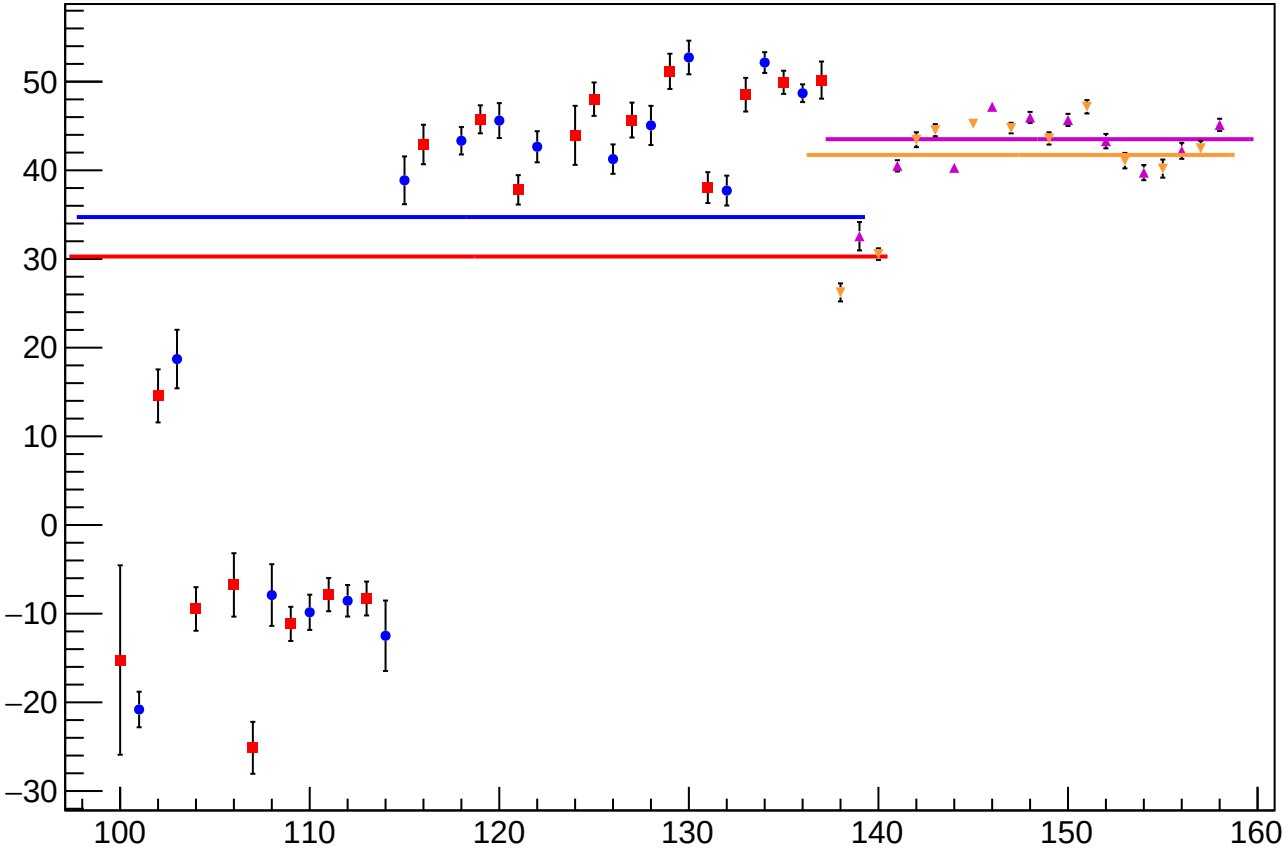
Left In: -66.639+/-0.258 χ^2/NDF:1451.8/9

+ sign -73.619+/-0.222 χ^2/NDF: 3875.9/26

All: -73.460+/-0.157 χ^2/NDF: 8300.2/55

- sign -73.300+/-0.223 χ^2/NDF: 4423.3/28

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 41.736+/-0.220 χ^2/NDF:673.6/10

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

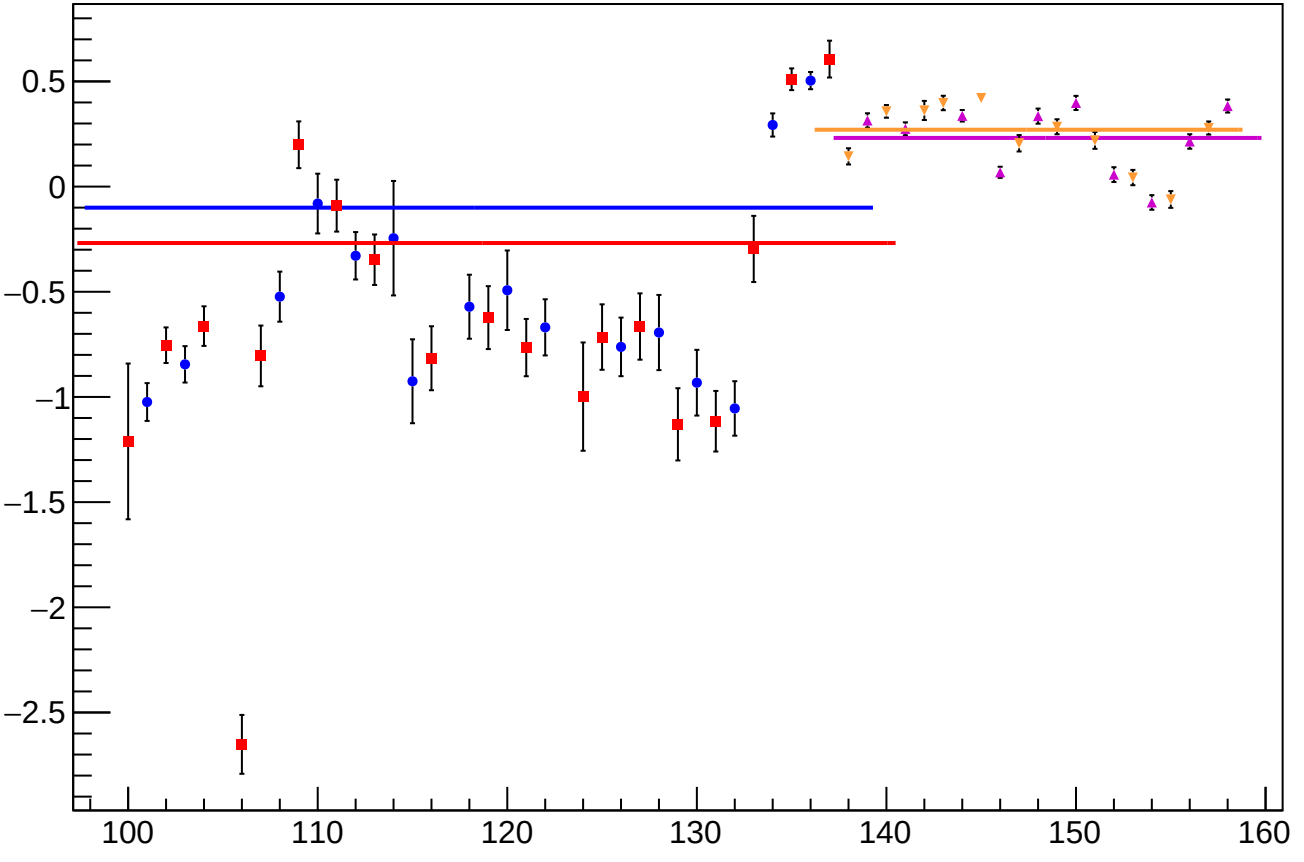
Left In: 43.513+/-0.214 χ^2/NDF:220.5/9

+ sign 40.340+/-0.197 χ^2/NDF: 3684.1/26

All: 40.790+/-0.138 χ^2/NDF: 7489.9/55

- sign 41.226+/-0.194 χ^2/NDF: 3795.6/28

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.270+/-0.010 χ^2/NDF:190.9/10

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

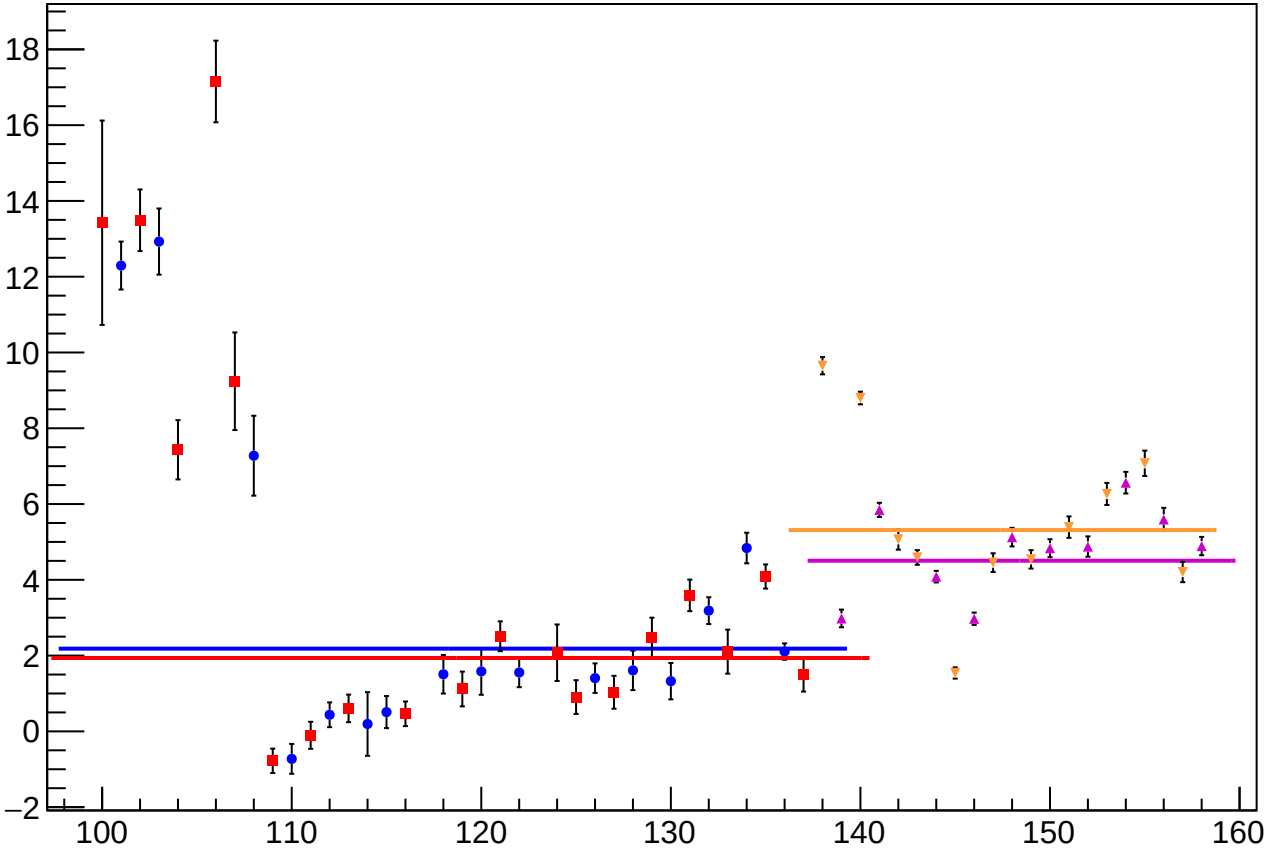
Left In: 0.231+/-0.010 χ^2/NDF:219.8/9

+ sign 0.213+/-0.009 χ^2/NDF: 1023.2/26

All: 0.190+/-0.007 χ^2/NDF: 2390.6/55

- sign 0.167+/-0.009 χ^2/NDF: 1355.9/28

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 2.184+/-0.105 χ^2/NDF: 599.3/15

Left Out: 5.313+/-0.067 χ^2/NDF:1531.3/10

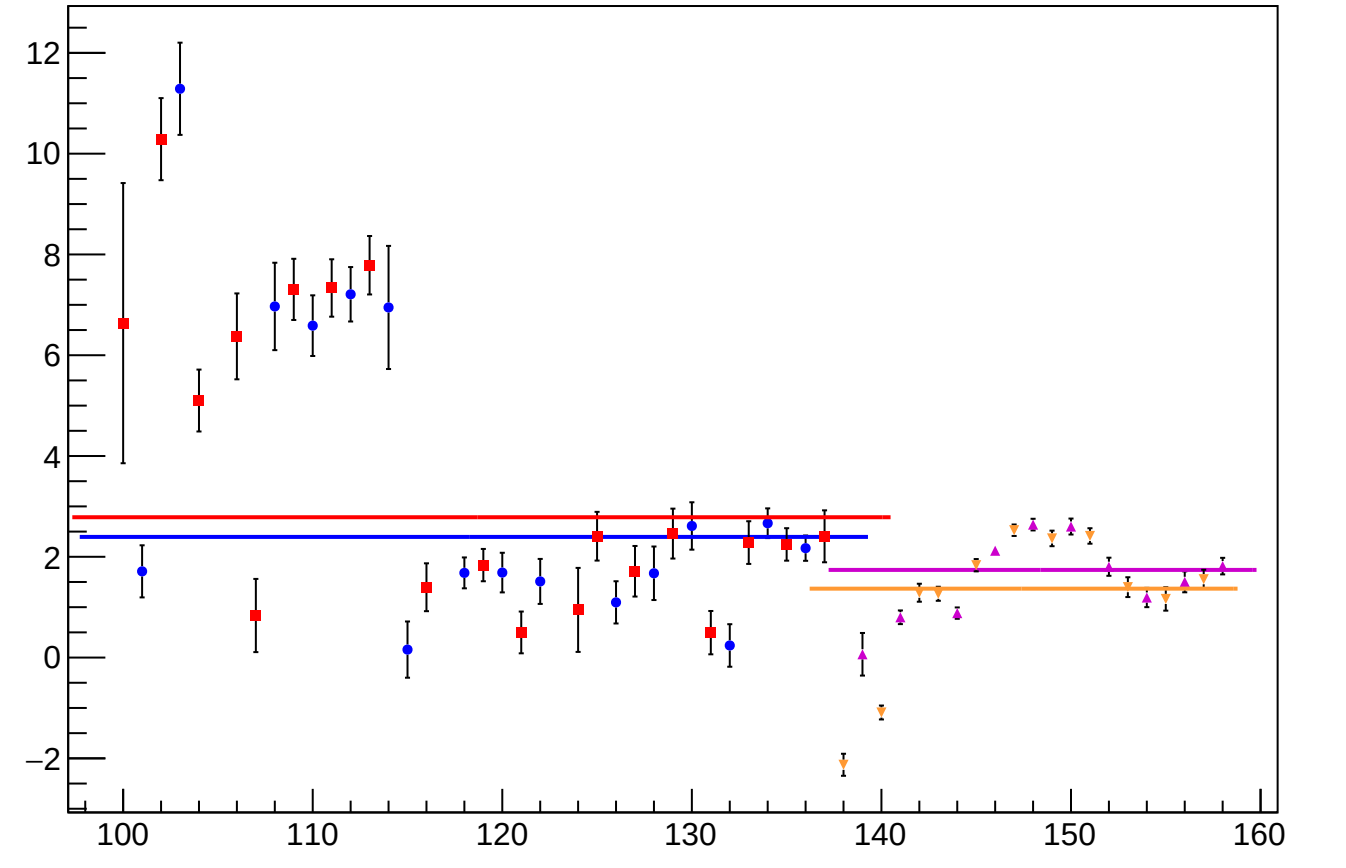
Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

Left In: 4.504+/-0.068 χ^2/NDF:267.7/9

\+ sign 4.400+/-0.057 χ^2/NDF: 2759.9/26

All: 4.078+/-0.040 χ^2/NDF: 4228.5/55

\- sign 3.749+/-0.057 χ^2/NDF: 1403.3/28



Right In: 2.394+/-0.108 χ^2/NDF: 333.9/15

Left Out: 1.368+/-0.047 χ^2/NDF:781.0/10

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

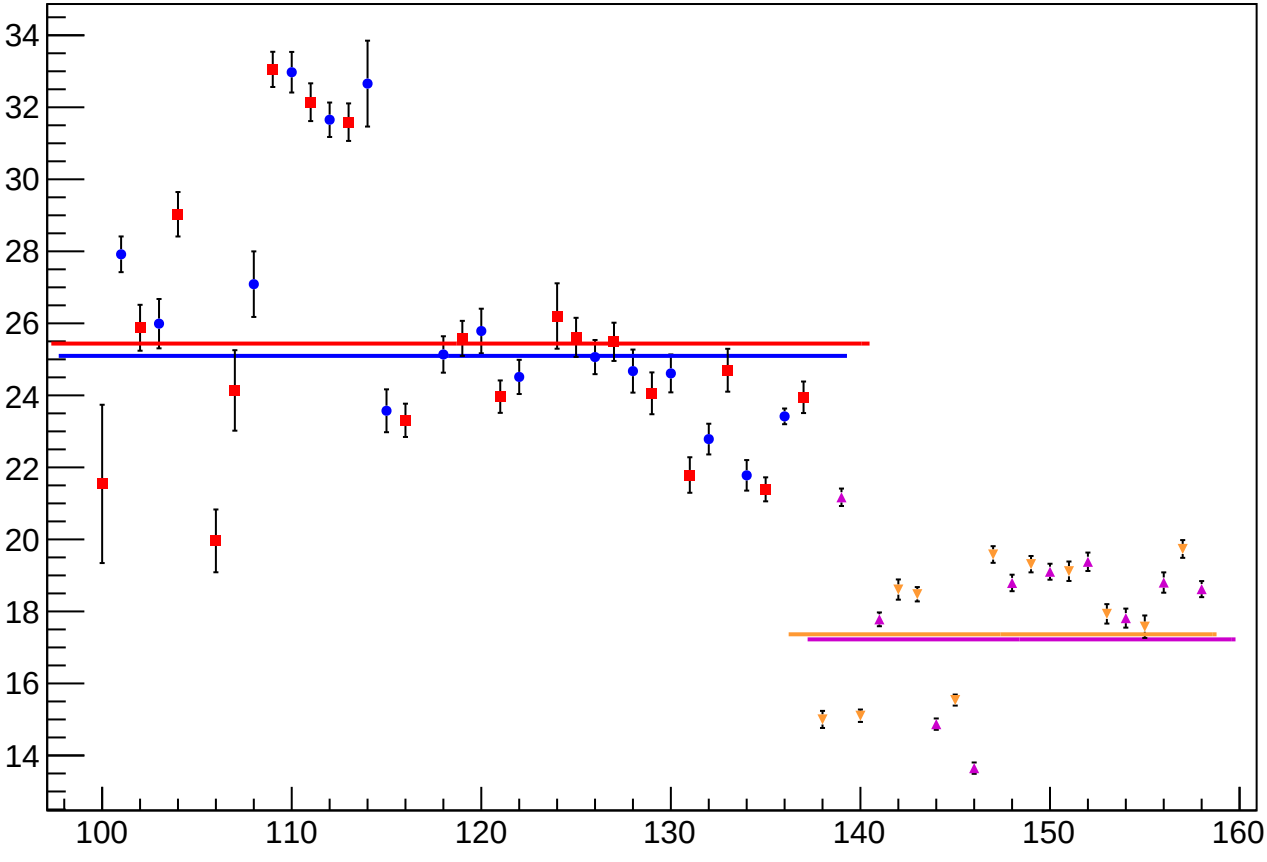
Left In: 1.740+/-0.045 χ^2/NDF:237.6/9

+ sign 1.529+/-0.043 χ^2/NDF: 1190.6/26

All: 1.706+/-0.030 χ^2/NDF: 1943.4/55

- sign 1.879+/-0.042 χ^2/NDF: 719.0/28

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 25.096+/-0.118 χ^2/NDF: 622.9/15

Left Out: 17.365+/-0.067 χ^2/NDF:769.1/10

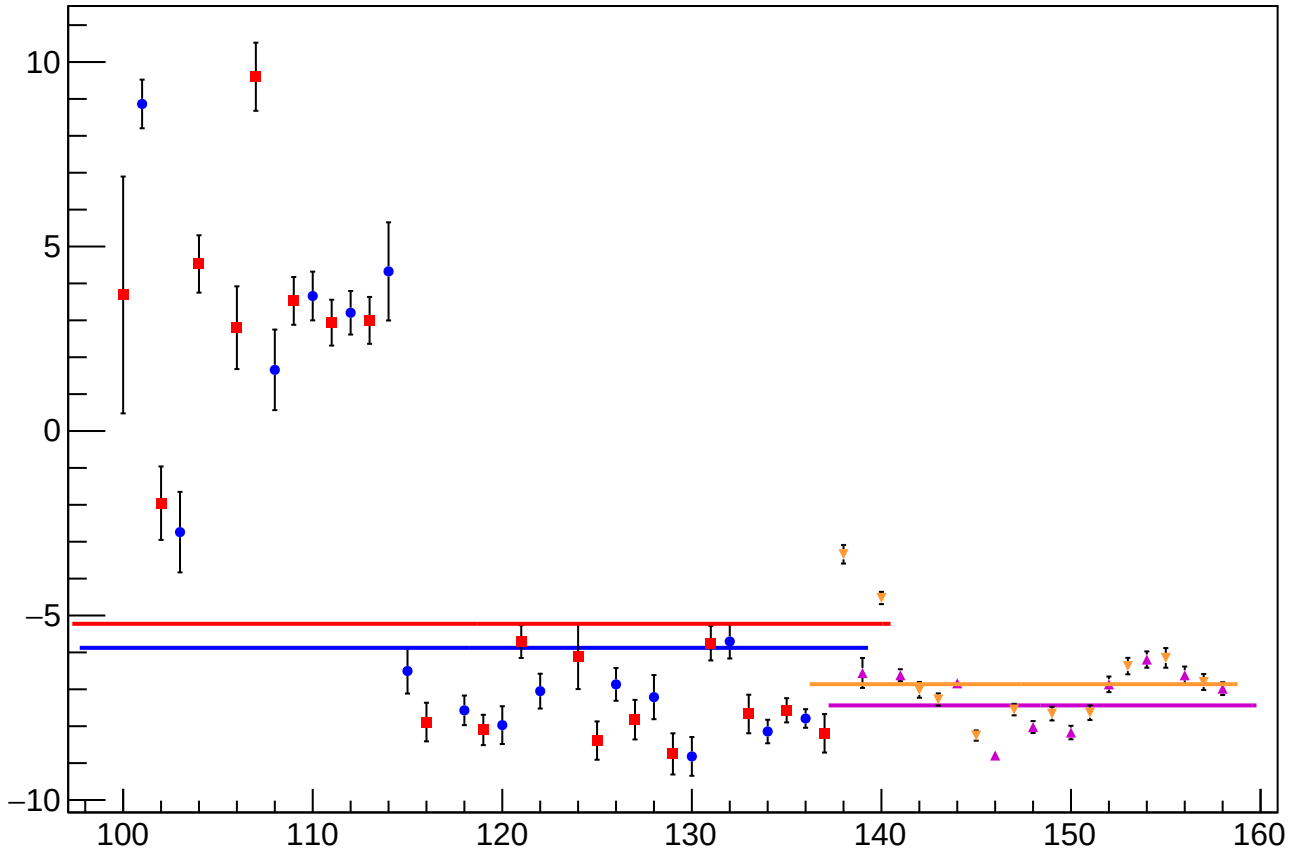
Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

Left In: 17.224+/-0.066 χ^2/NDF:1280.1/9

+ sign 19.251+/-0.058 χ^2/NDF: 4663.3/26

All: 19.153+/-0.041 χ^2/NDF: 10236.2/55

- sign 19.054+/-0.059 χ^2/NDF: 5567.2/28



Right In: -5.876+/-0.121 χ^2/NDF: 1251.4/15

Left Out: -6.861+/-0.057 χ^2/NDF:563.3/10

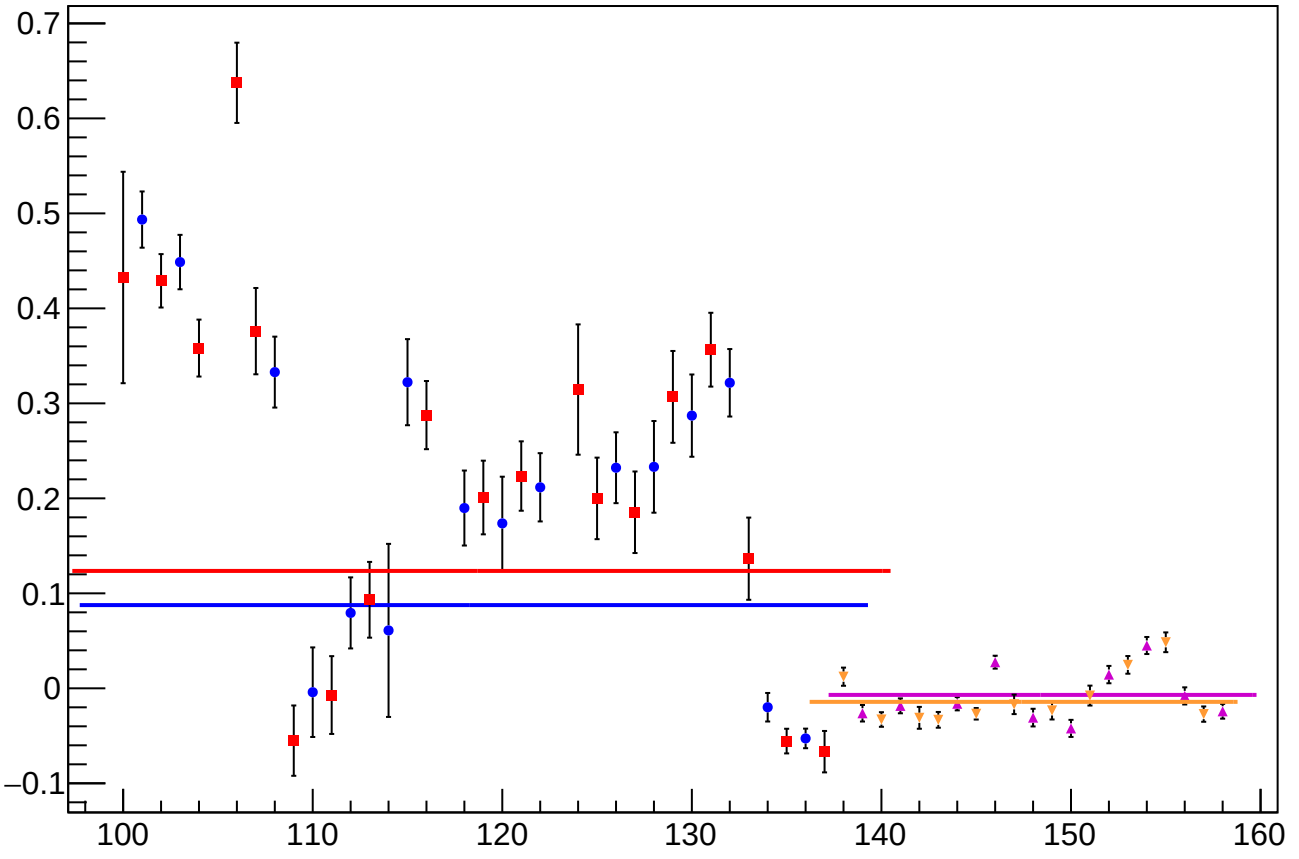
Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

Left In: -7.436+/-0.055 χ^2/NDF:266.2/9

+ sign -6.684+/-0.051 χ^2/NDF: 1869.3/26

All: -6.895+/-0.036 χ^2/NDF: 3708.8/55

- sign -7.101+/-0.050 χ^2/NDF: 1805.8/28



Right In: 0.088+/-0.007 χ^2/NDF: 768.0/15

Left Out: -0.014+/-0.003 χ^2/NDF:82.9/10

Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

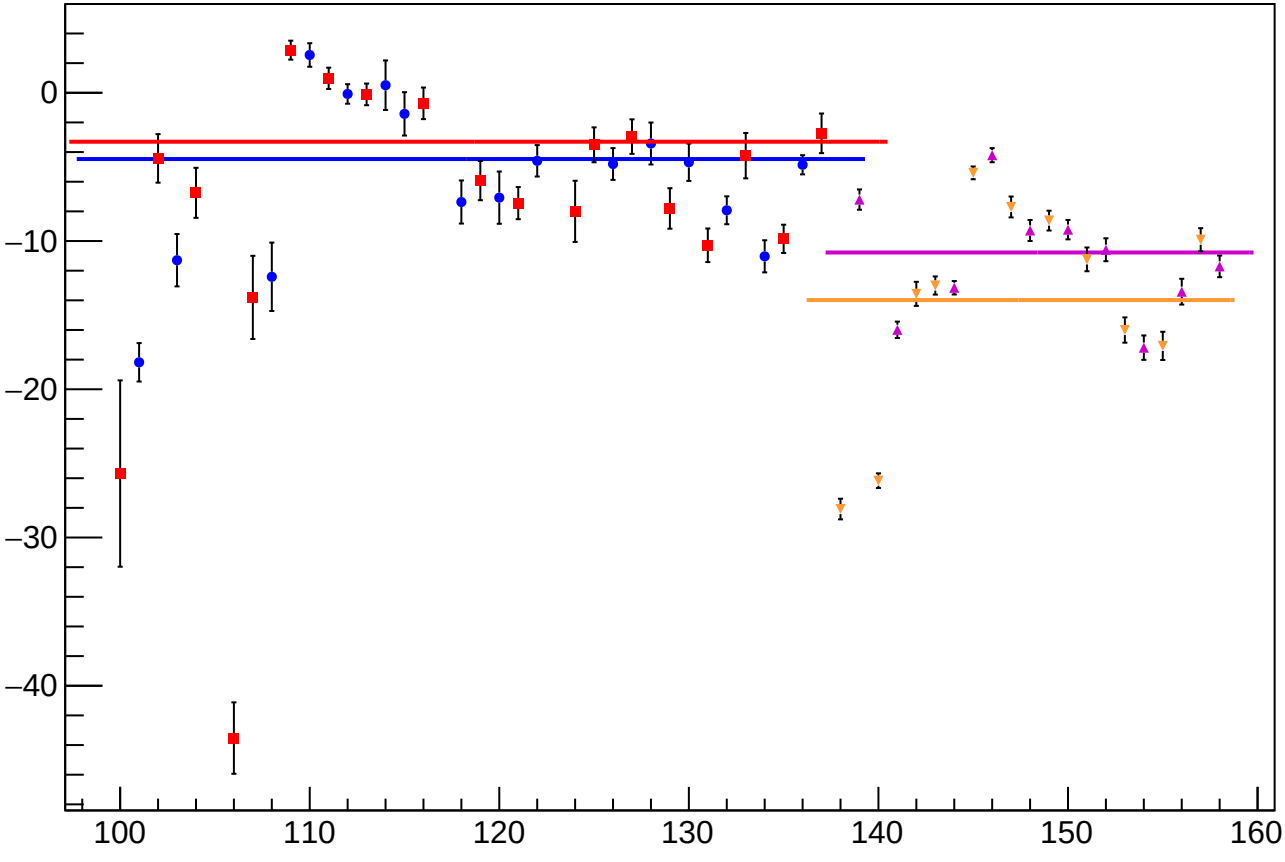
Left In: -0.007+/-0.003 χ^2/NDF:100.5/9

+ sign -0.000+/-0.002 χ^2/NDF: 1056.6/26

All: 0.004+/-0.002 χ^2/NDF: 2206.1/55

- sign 0.008+/-0.002 χ^2/NDF: 1144.6/28

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -13.982+/-0.198 χ^2/NDF:1609.6/10

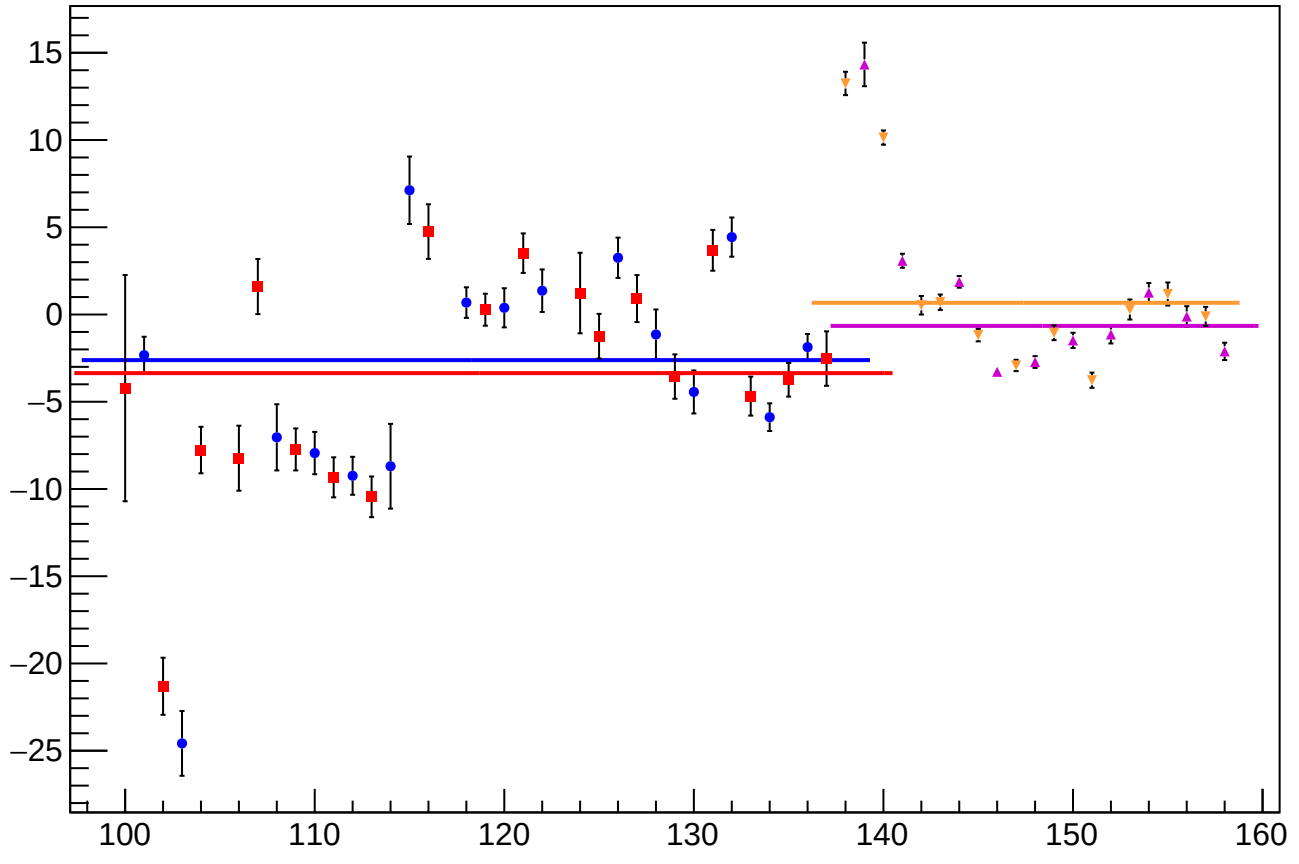
Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

Left In: -10.773+/-0.199 χ^2/NDF:415.4/9

+ sign -10.639+/-0.159 χ^2/NDF: 2755.6/26

All: -9.326+/-0.112 χ^2/NDF: 4410.3/55

- sign -8.032+/-0.158 χ^2/NDF: 1519.5/28



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 0.671+/-0.136 χ^2/NDF:1160.7/10

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

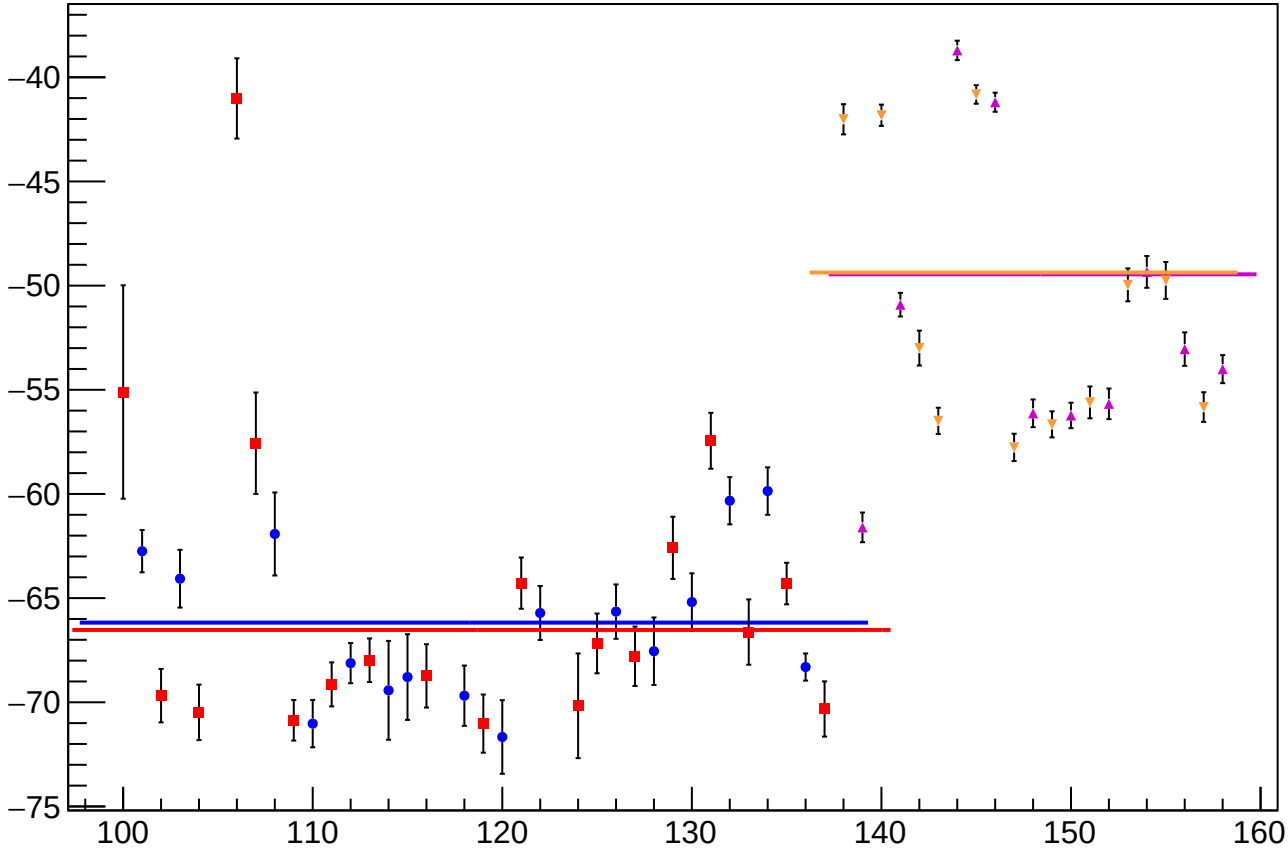
Left In: -0.653+/-0.133 χ^2/NDF:437.3/9

+ sign 0.061+/-0.123 χ^2/NDF: 1620.3/26

All: -0.527+/-0.087 χ^2/NDF: 2530.9/55

- sign -1.102+/-0.122 χ^2/NDF: 865.4/28

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -66.176+/-0.304 χ^2/NDF: 129.2/15

Left Out: -49.370+/-0.195 χ^2/NDF:1287.1/10

Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

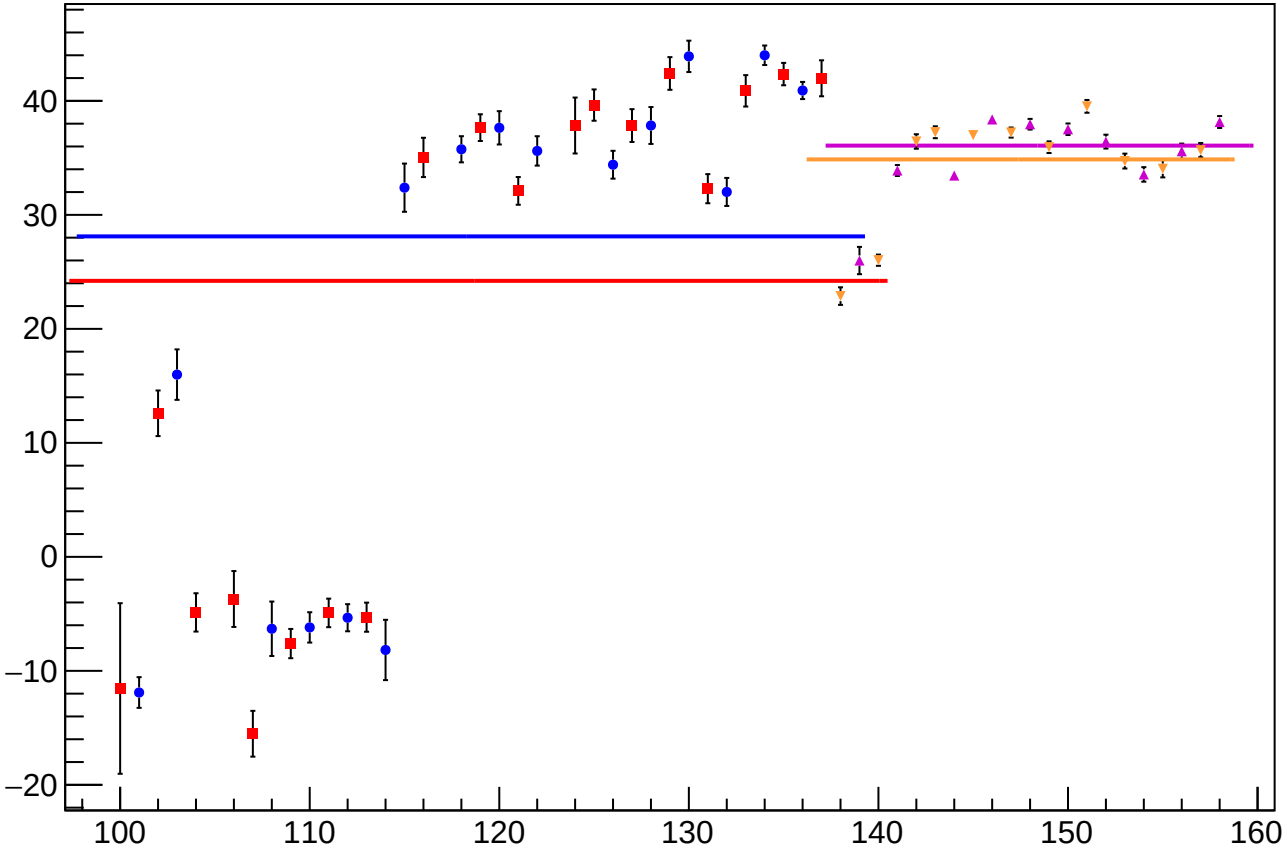
Left In: -49.458+/-0.194 χ^2/NDF:1512.3/9

+ sign -54.275+/-0.164 χ^2/NDF: 3575.8/26

All: -54.233+/-0.116 χ^2/NDF: 7566.3/55

- sign -54.191+/-0.165 χ^2/NDF: 3990.3/28

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 34.864+/-0.165 χ^2/NDF:722.3/10

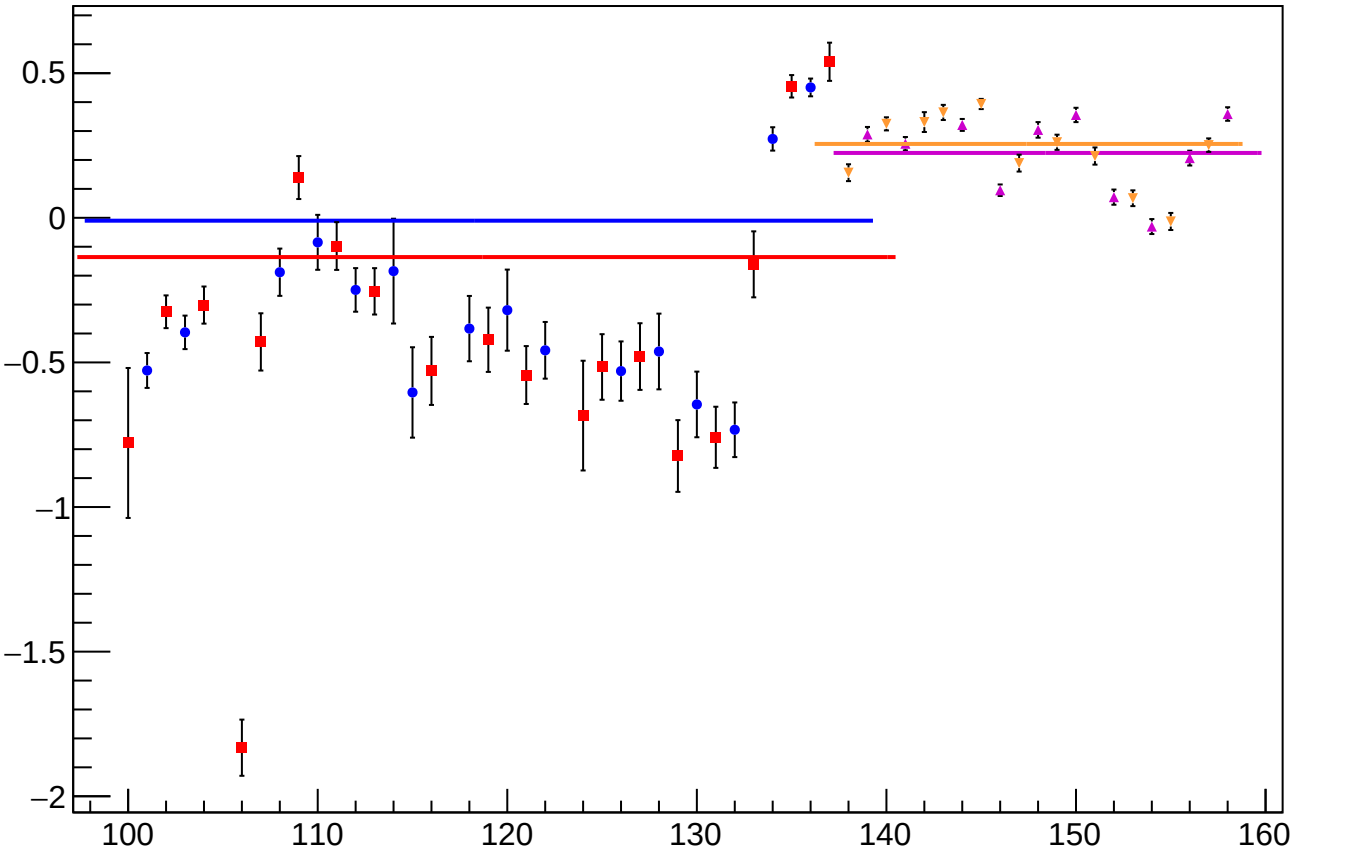
Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 36.075+/-0.160 χ^2/NDF:235.0/9

\+ sign 33.444+/-0.147 χ^2/NDF: 4801.7/26

All: 33.663+/-0.103 χ^2/NDF: 9900.6/55

\- sign 33.876+/-0.144 χ^2/NDF: 5094.6/28



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.255+/-0.008 χ^2/NDF:241.6/10

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

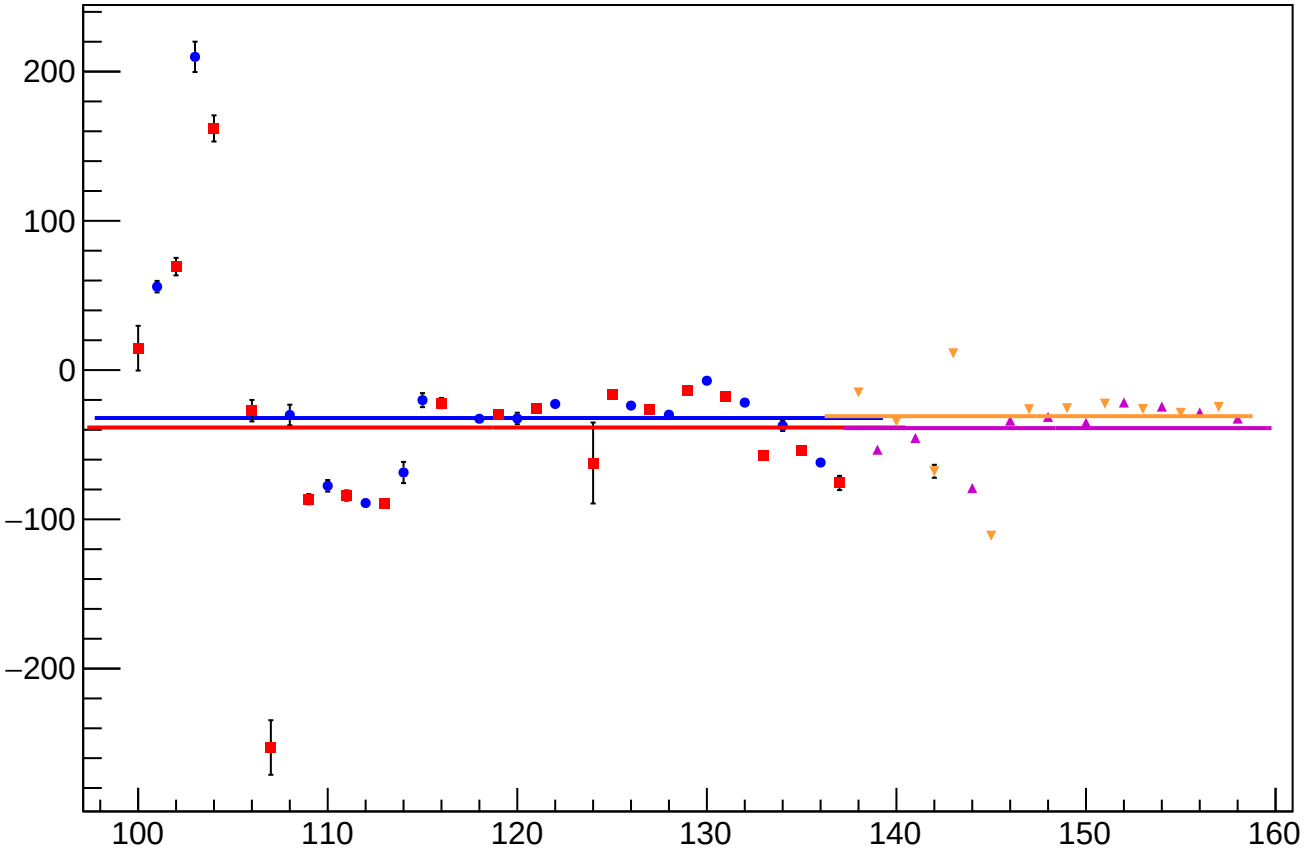
Left In: 0.224+/-0.008 χ^2/NDF:272.7/9

+ sign 0.211+/-0.007 χ^2/NDF: 1024.6/26

All: 0.193+/-0.005 χ^2/NDF: 2444.6/55

- sign 0.174+/-0.007 χ^2/NDF: 1406.1/28

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -30.882+/-0.892 χ^2/NDF:923.0/10

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

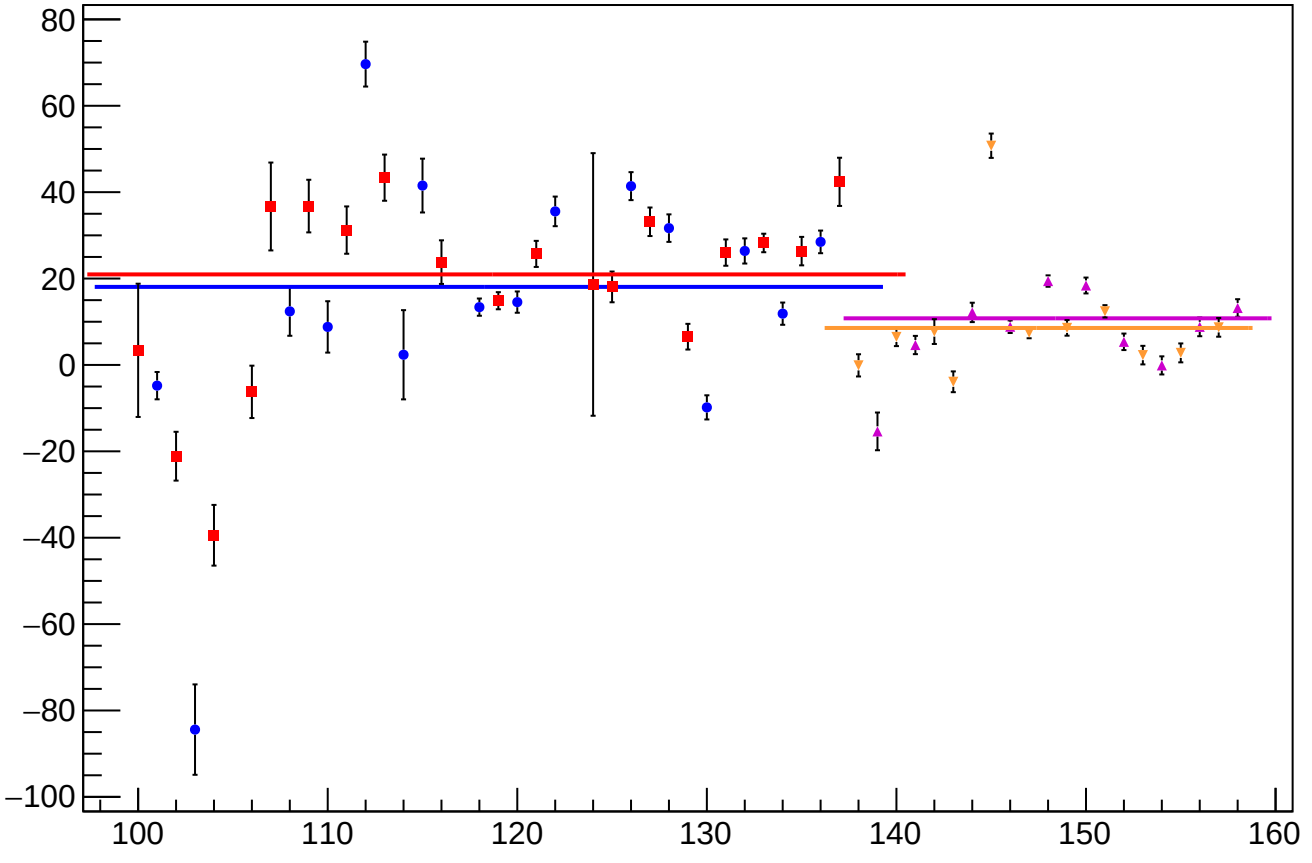
Left In: -38.878+/-0.894 χ^2/NDF:302.1/9

\+ sign -31.535+/-0.613 χ^2/NDF: 2801.4/26

All: -35.047+/-0.436 χ^2/NDF: 5142.9/55

\- sign -38.663+/-0.622 χ^2/NDF: 2274.7/28

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 18.068+/-0.823 χ^2/NDF: 499.6/15

Left Out: 8.559+/-0.595 χ^2/NDF:287.2/10

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

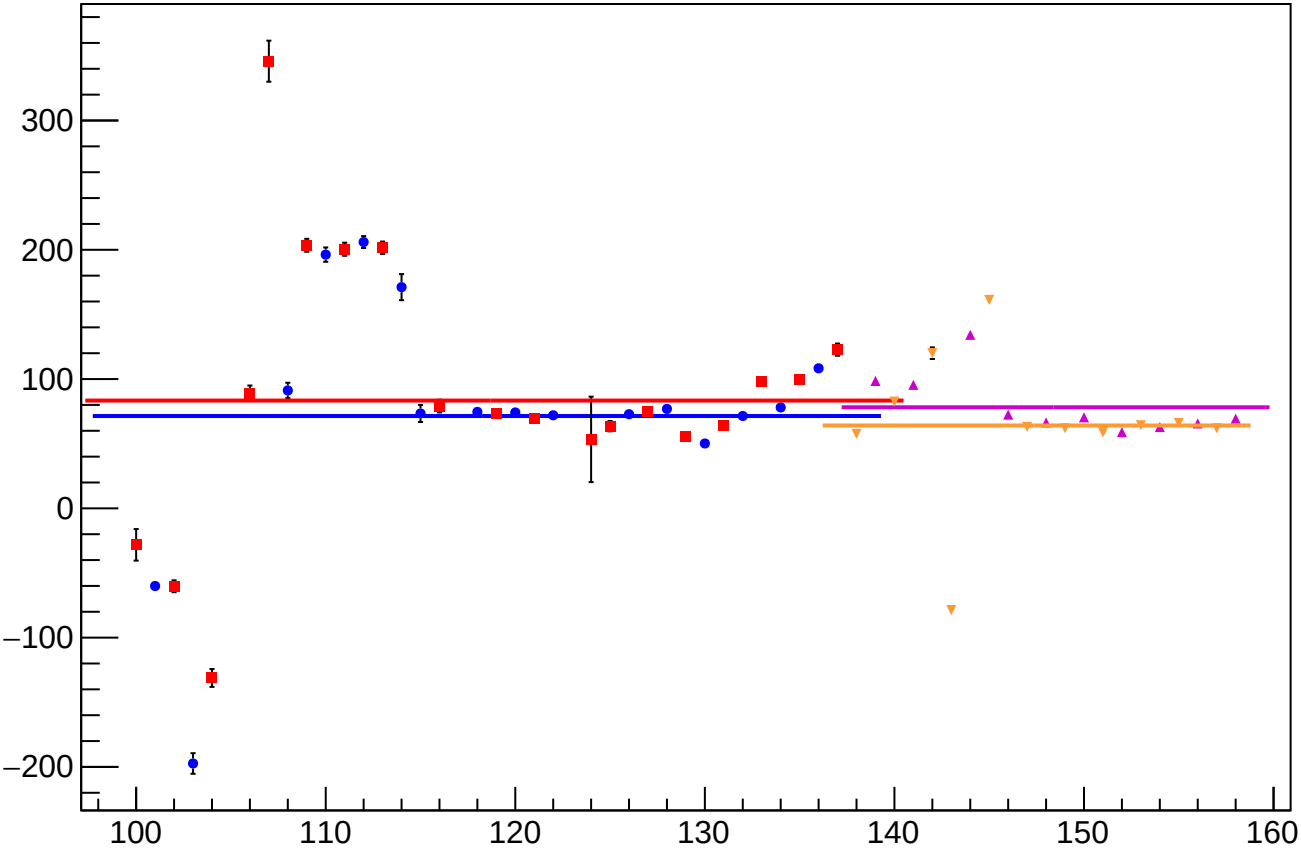
Left In: 10.793+/-0.600 χ^2/NDF:143.9/9

+ sign 11.823+/-0.482 χ^2/NDF: 874.5/26

All: 12.924+/-0.345 χ^2/NDF: 1384.4/55

- sign 14.081+/-0.494 χ^2/NDF: 499.2/28

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 64.102+/-0.868 χ^2/NDF:2877.0/10

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

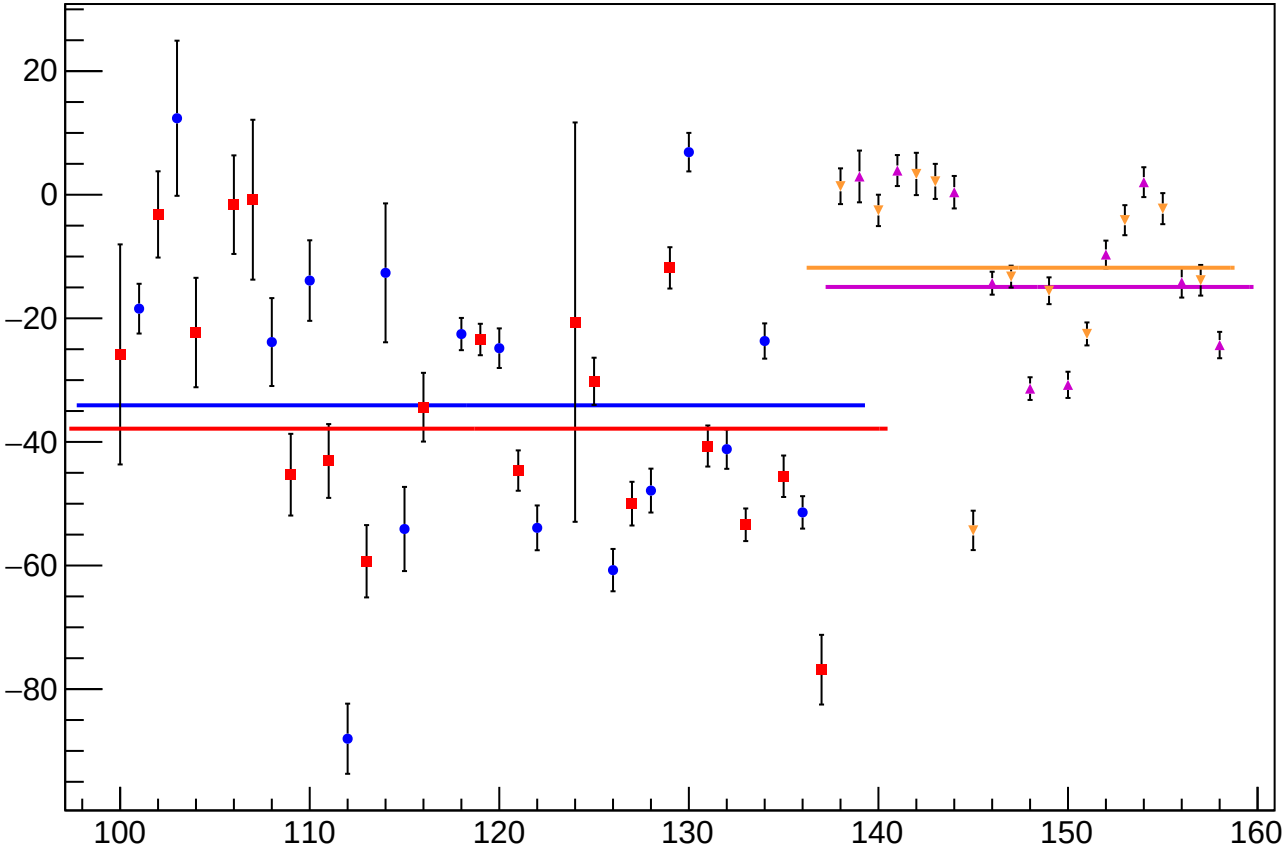
Left In: 78.177+/-0.863 χ^2/NDF:562.1/9

+ sign 67.506+/-0.635 χ^2/NDF: 7729.6/26

All: 73.829+/-0.454 χ^2/NDF: 12807.6/55

- sign 80.439+/-0.649 χ^2/NDF: 4875.2/28

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: -11.814+/-0.726 χ^2/NDF:317.9/10

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

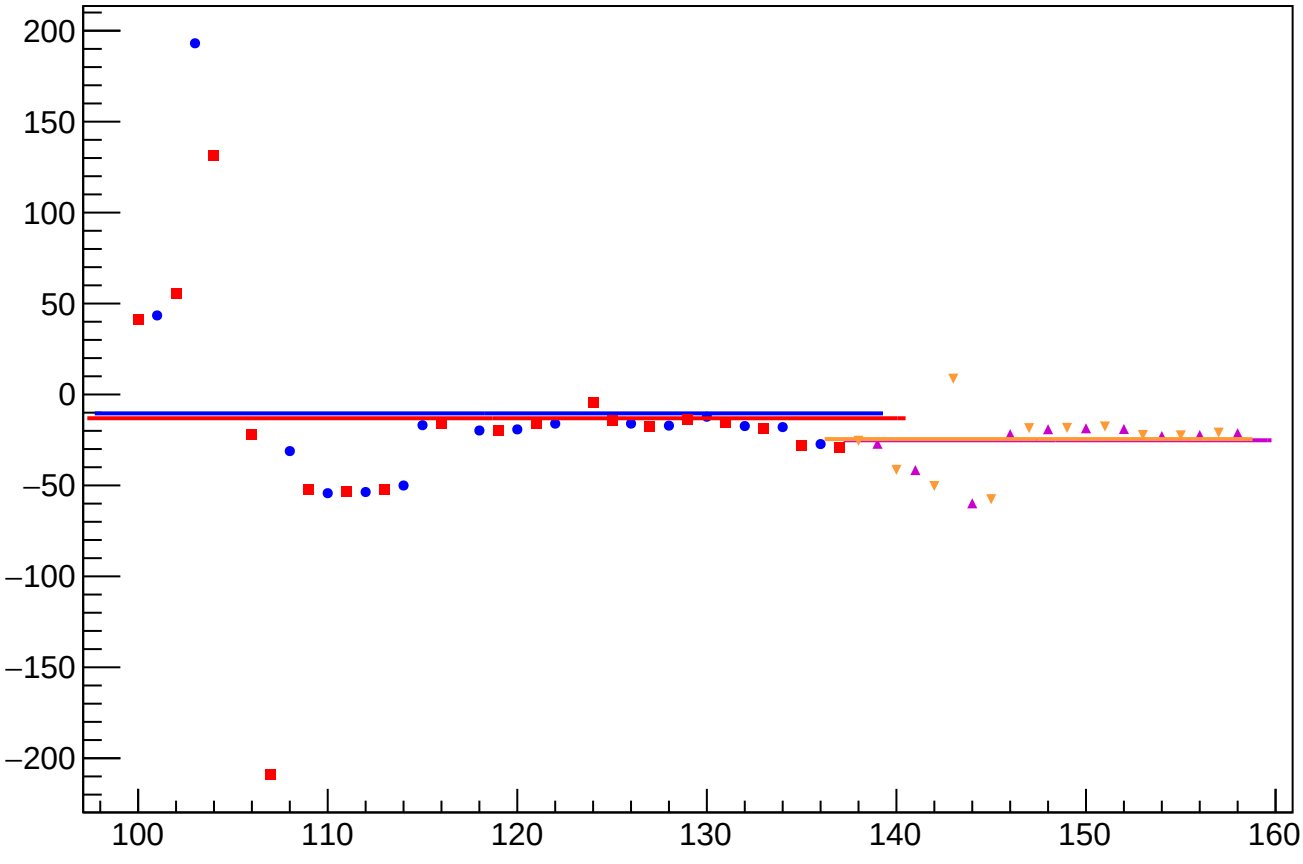
Left In: -14.921+/-0.721 χ^2/NDF:319.1/9

+ sign -20.114+/-0.575 χ^2/NDF: 1179.2/26

All: -21.453+/-0.410 χ^2/NDF: 2132.8/55

- sign -22.830+/-0.584 χ^2/NDF: 942.6/28

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -24.528+/-0.034 χ^2/NDF:175983.1/10

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

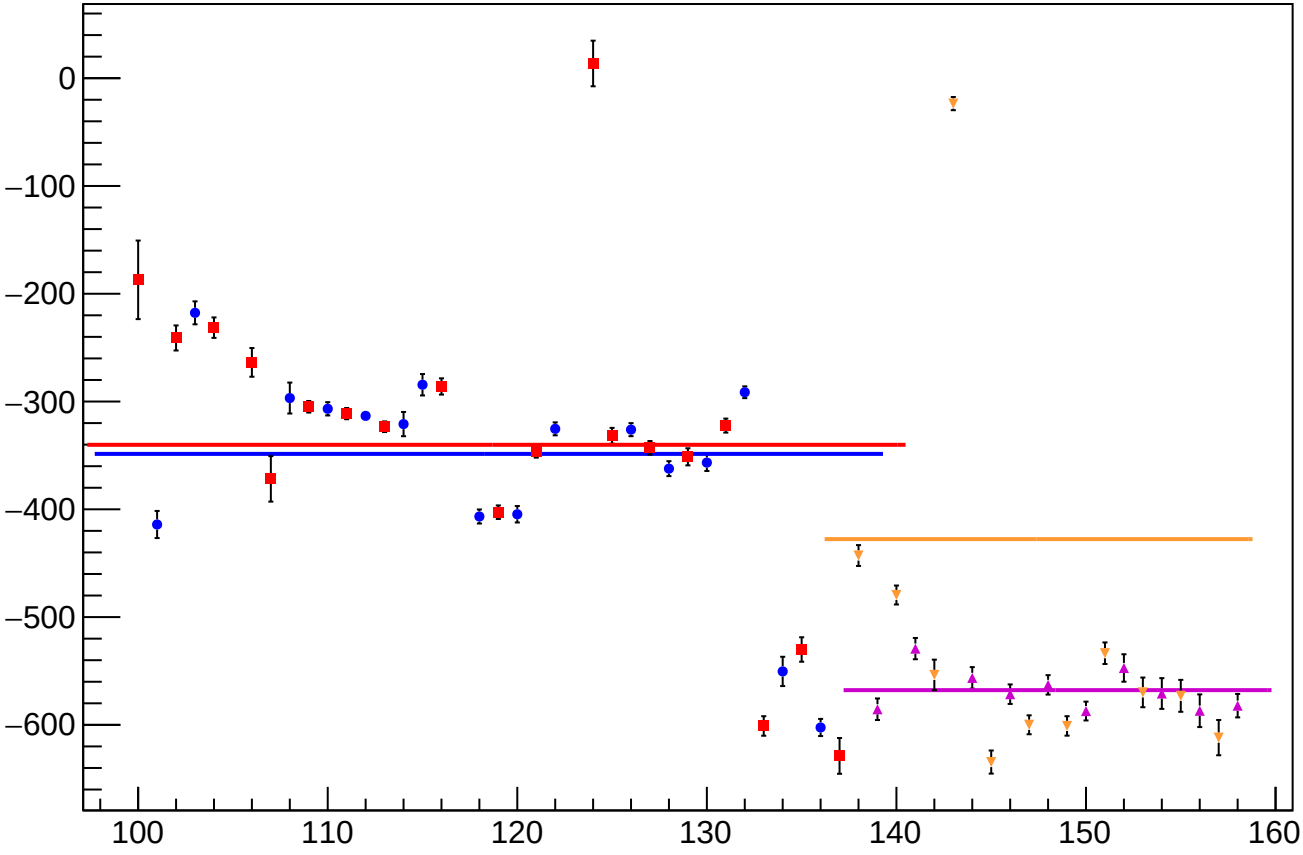
Left In: -25.179+/-0.032 χ^2/NDF:95752.7/9

+ sign -20.874+/-0.029 χ^2/NDF: 744154.2/26

All: -21.747+/-0.020 χ^2/NDF: 1320794.0/55

- sign -22.615+/-0.029 χ^2/NDF: 574819.7/28

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -427.640+/-2.978 χ^2/NDF:6041.8/10

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

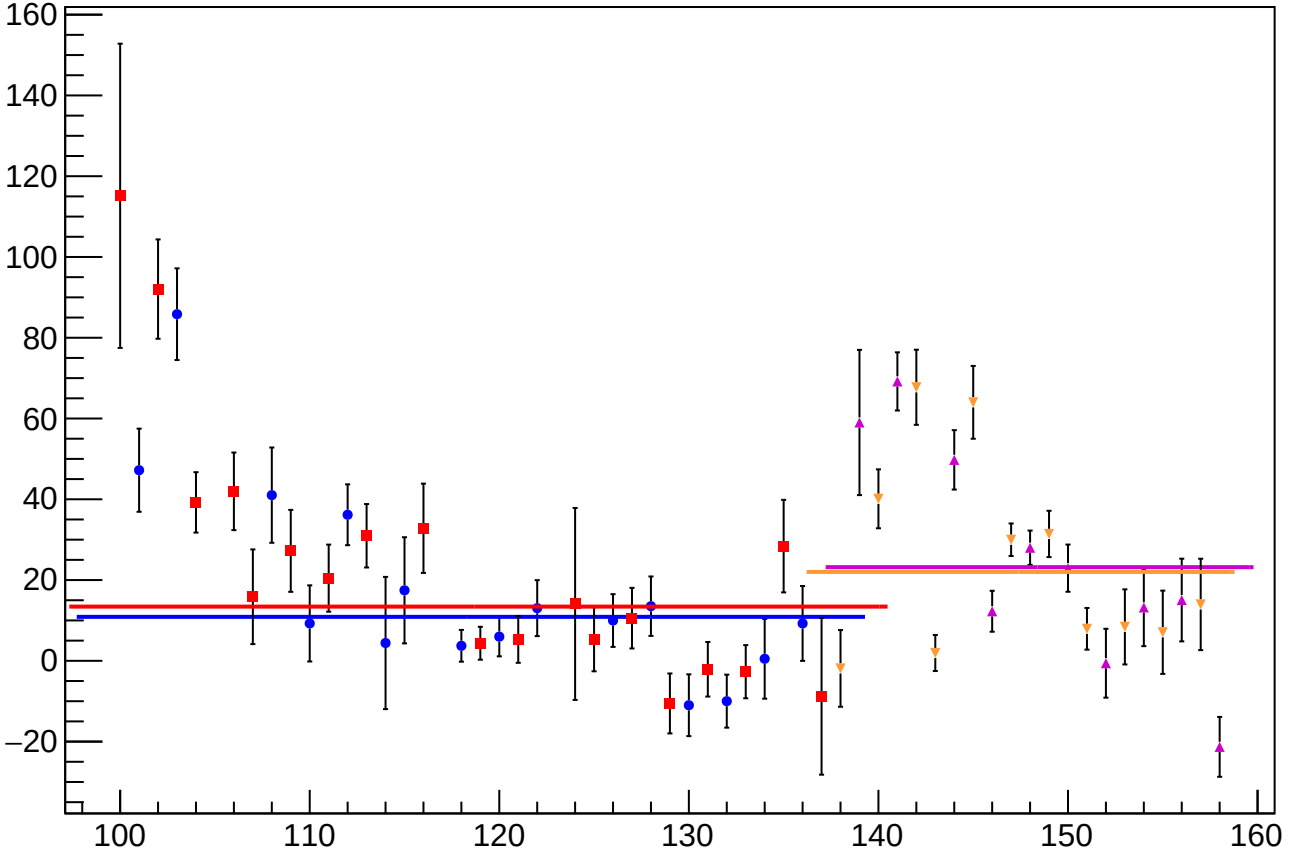
Left In: -567.776+/-3.301 χ^2/NDF:31.1/9

\+ sign -370.168+/-1.556 χ^2/NDF: 8412.5/26

All: -380.361+/-1.099 χ^2/NDF: 14430.4/55

\- sign -390.513+/-1.553 χ^2/NDF: 5932.2/28

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 22.014+/-1.953 χ^2/NDF:97.3/10

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

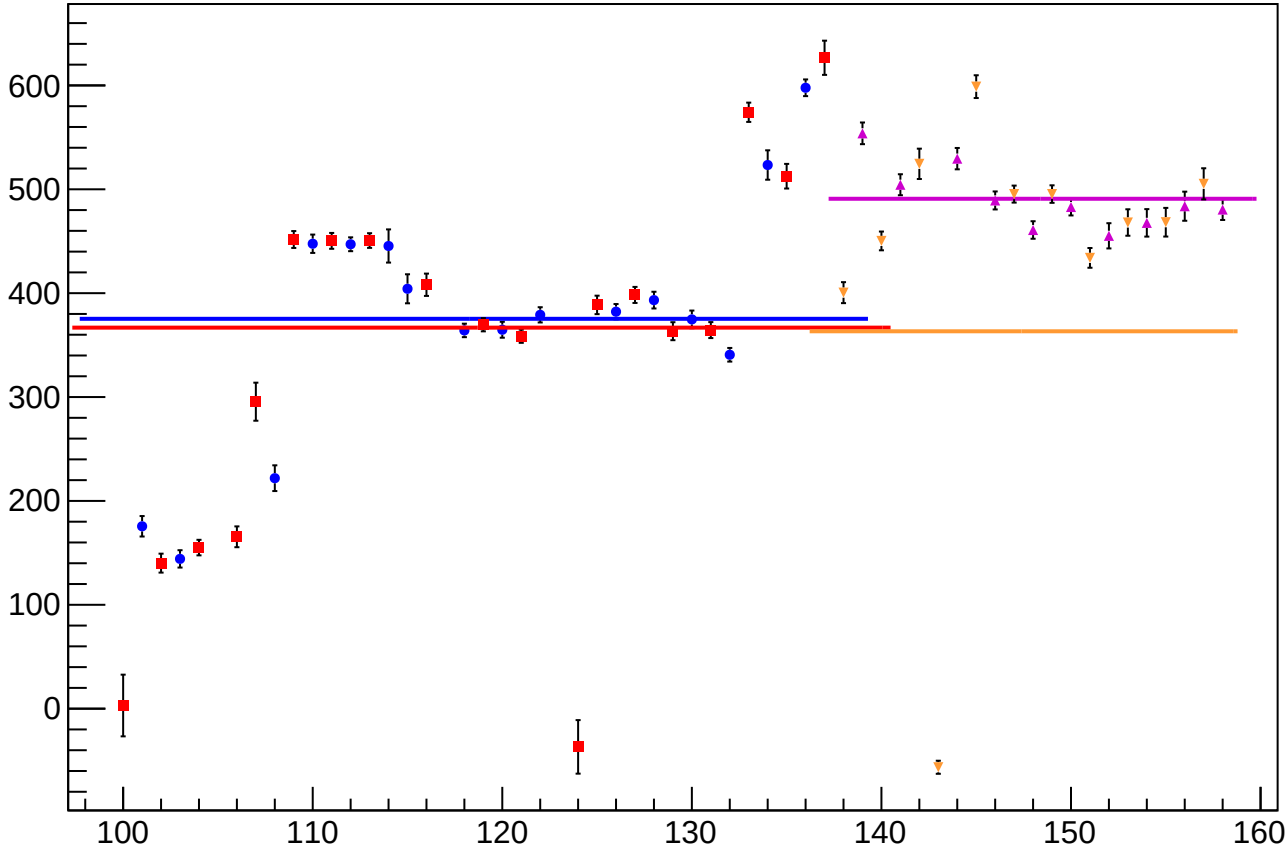
Left In: 23.194+/-2.147 χ^2/NDF:109.3/9

+ sign 16.127+/-1.340 χ^2/NDF: 212.8/26

All: 16.830+/-0.969 χ^2/NDF: 446.9/55

- sign 17.600+/-1.403 χ^2/NDF: 233.5/28

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 363.305+/-2.933 χ^2/NDF:5909.2/10

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

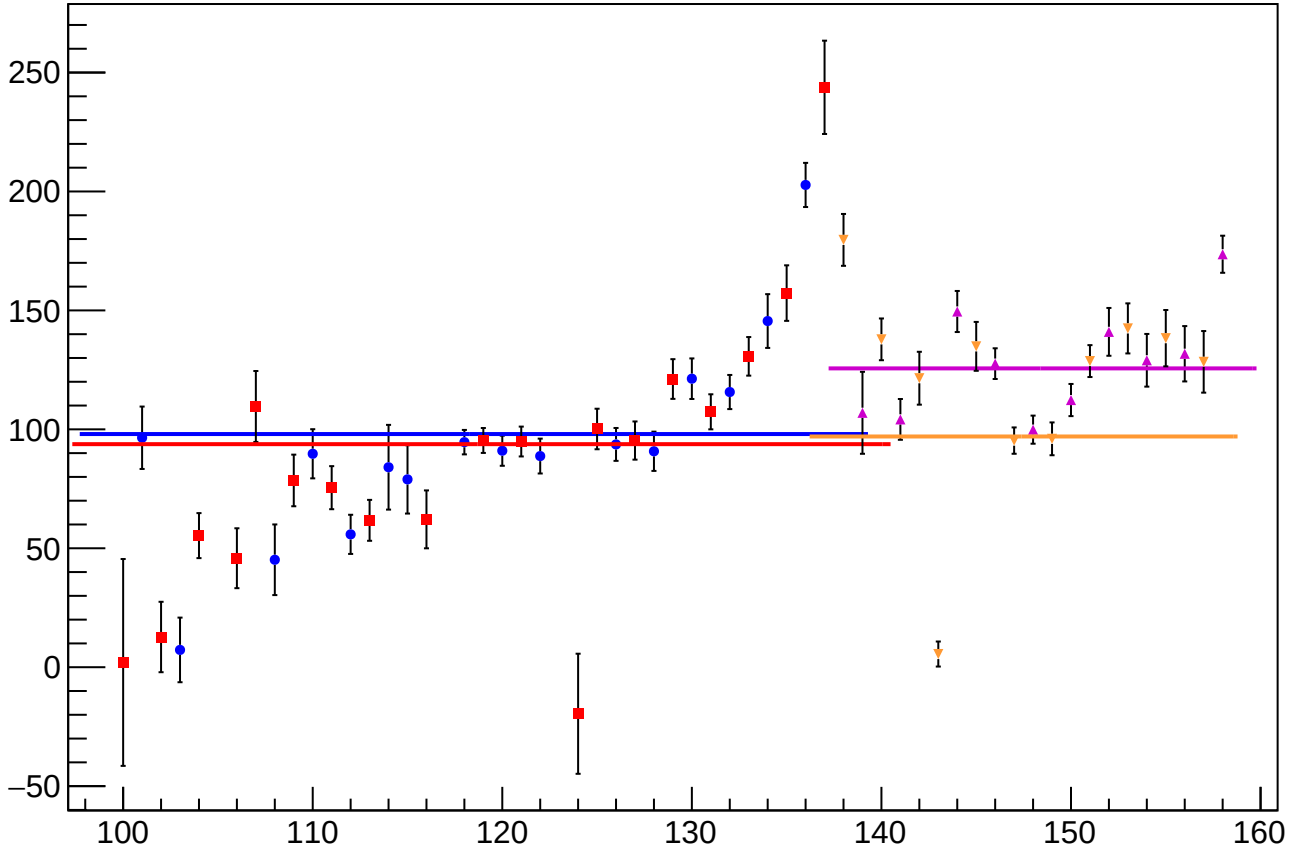
Left In: 490.882+/-3.188 χ^2/NDF:79.1/9

+ sign 371.242+/-1.709 χ^2/NDF: 8369.7/26

All: 387.031+/-1.214 χ^2/NDF: 13233.2/55

- sign 403.097+/-1.724 χ^2/NDF: 4691.3/28

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 96.998+/-2.404 χ^2/NDF:458.7/10

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

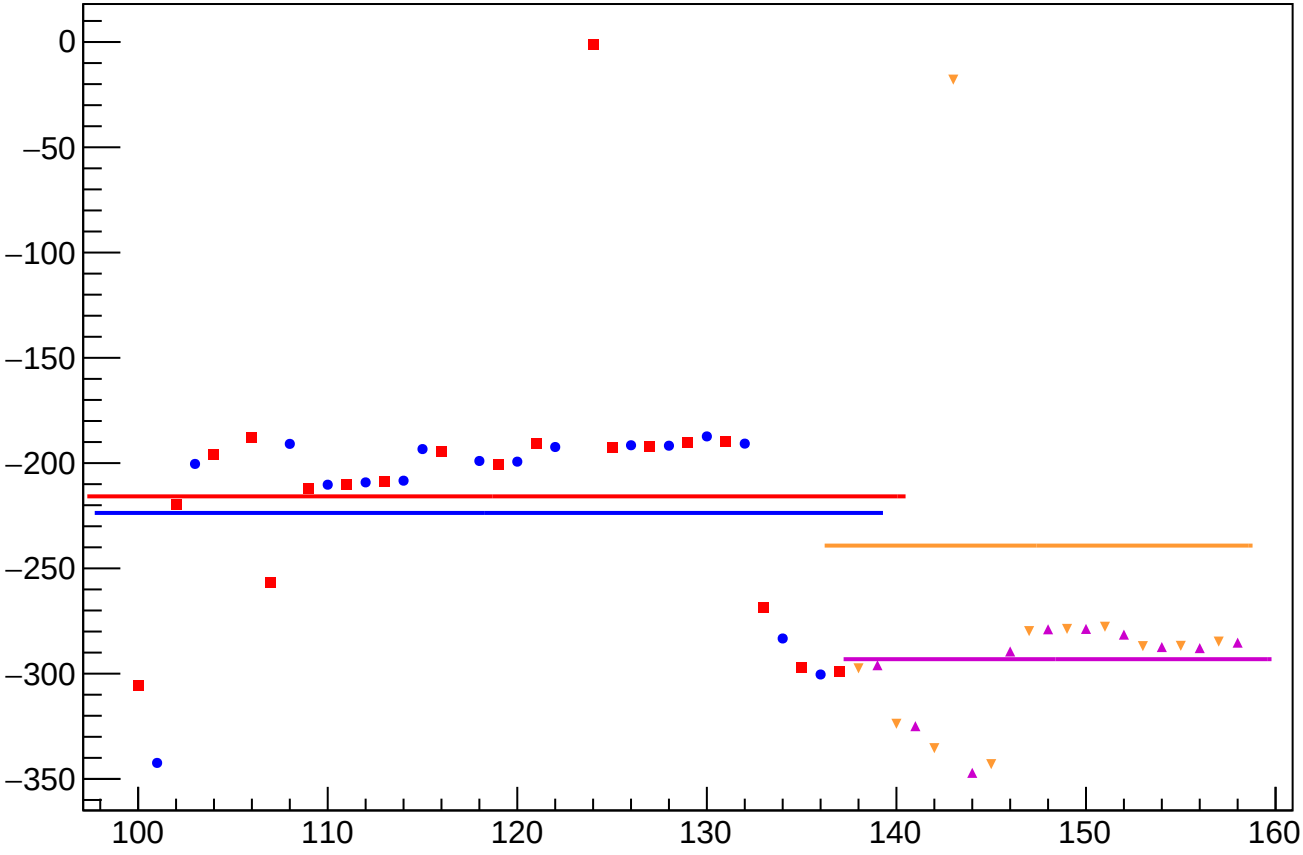
Left In: 125.622+/-2.610 χ^2/NDF:78.7/9

+ sign 97.567+/-1.600 χ^2/NDF: 708.3/26

All: 101.917+/-1.150 χ^2/NDF: 1128.5/55

- sign 106.566+/-1.654 χ^2/NDF: 404.9/28

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -239.178+/-0.118 χ^2/NDF:930890.0/10

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

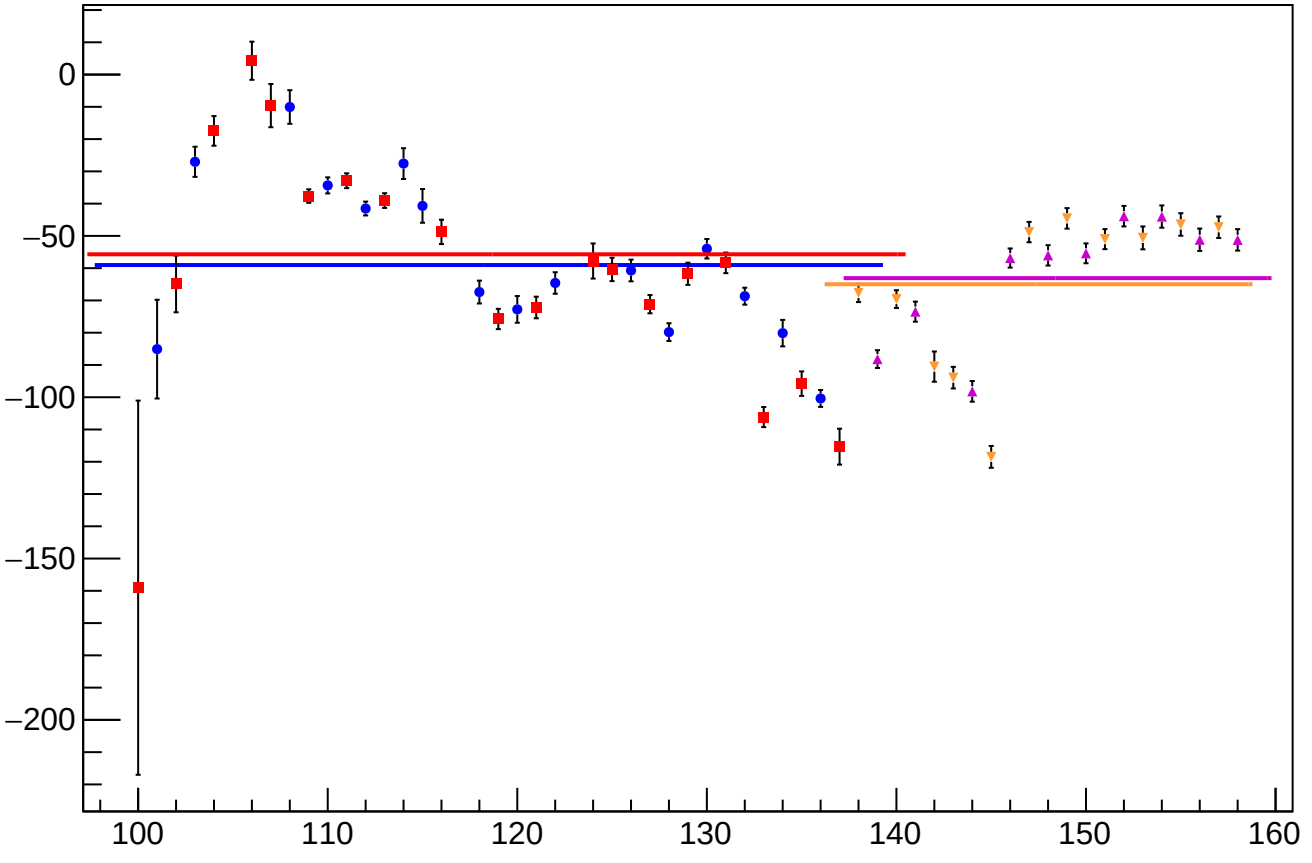
Left In: -293.127+/-0.123 χ^2/NDF:24919.4/9

+ sign -232.621+/-0.090 χ^2/NDF: 1059681.8/26

All: -245.118+/-0.064 χ^2/NDF: 1385368.5/55

- sign -257.841+/-0.091 χ^2/NDF: 286698.2/28

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -64.984+/-0.985 χ^2/NDF:517.6/10

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

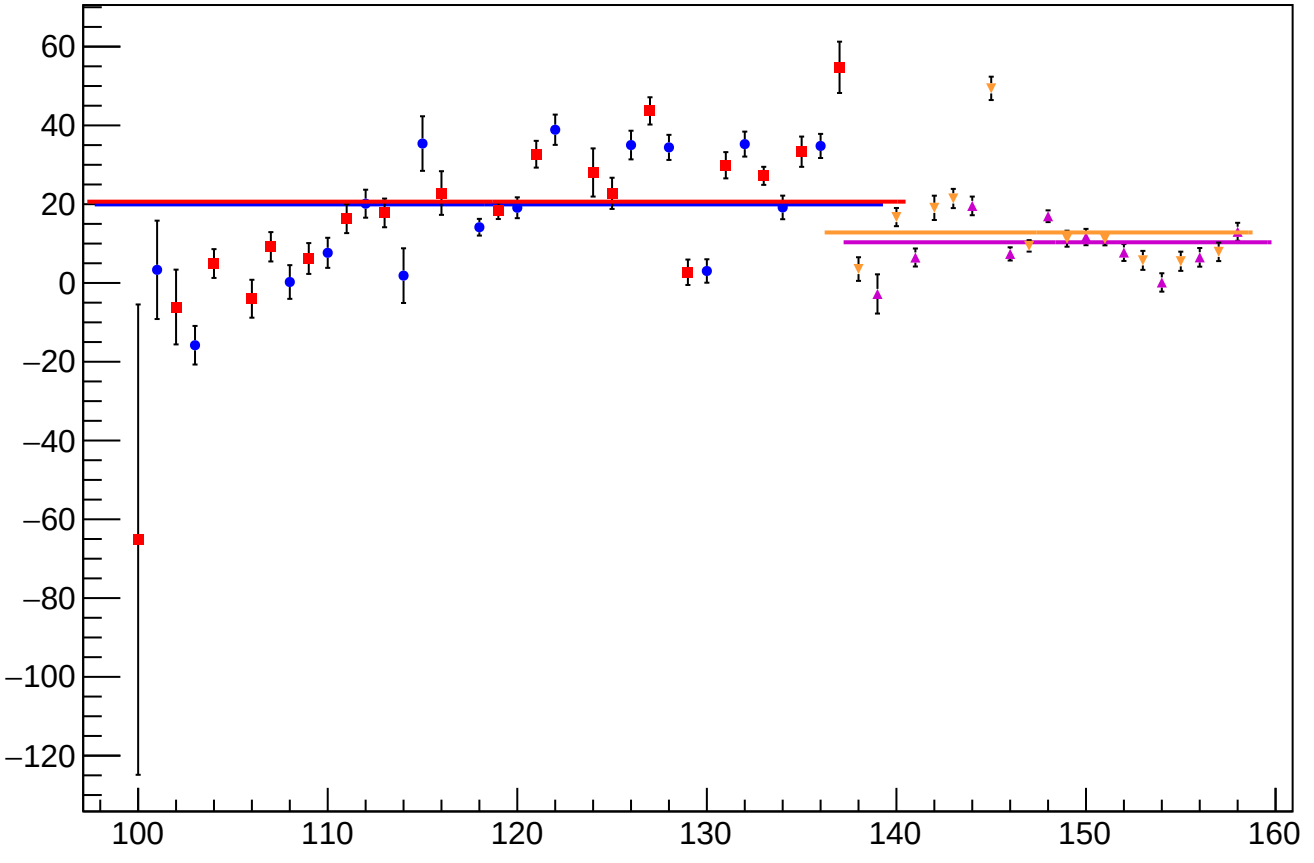
Left In: -63.084+/-0.997 χ^2/NDF:320.6/9

+ sign -61.499+/-0.634 χ^2/NDF: 1266.3/26

All: -59.988+/-0.443 χ^2/NDF: 2672.9/55

- sign -58.550+/-0.619 χ^2/NDF: 1395.5/28

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 12.821+/-0.659 χ^2/NDF:210.4/10

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

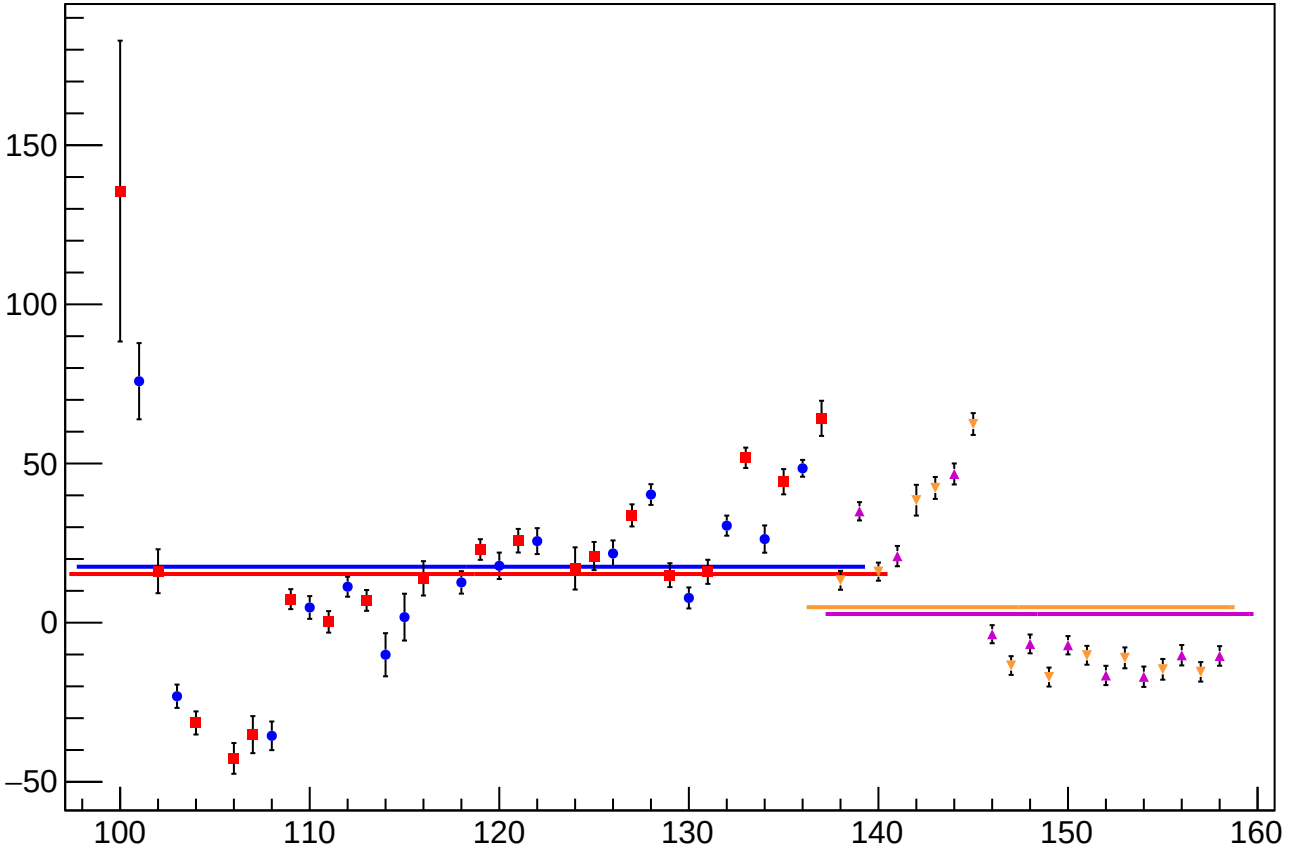
Left In: 10.330+/-0.671 χ^2/NDF:72.7/9

+ sign 15.429+/-0.525 χ^2/NDF: 500.4/26

All: 14.879+/-0.371 χ^2/NDF: 891.5/55

- sign 14.328+/-0.525 χ^2/NDF: 388.9/28

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: 4.870+/-0.960 χ^2/NDF:693.5/10

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

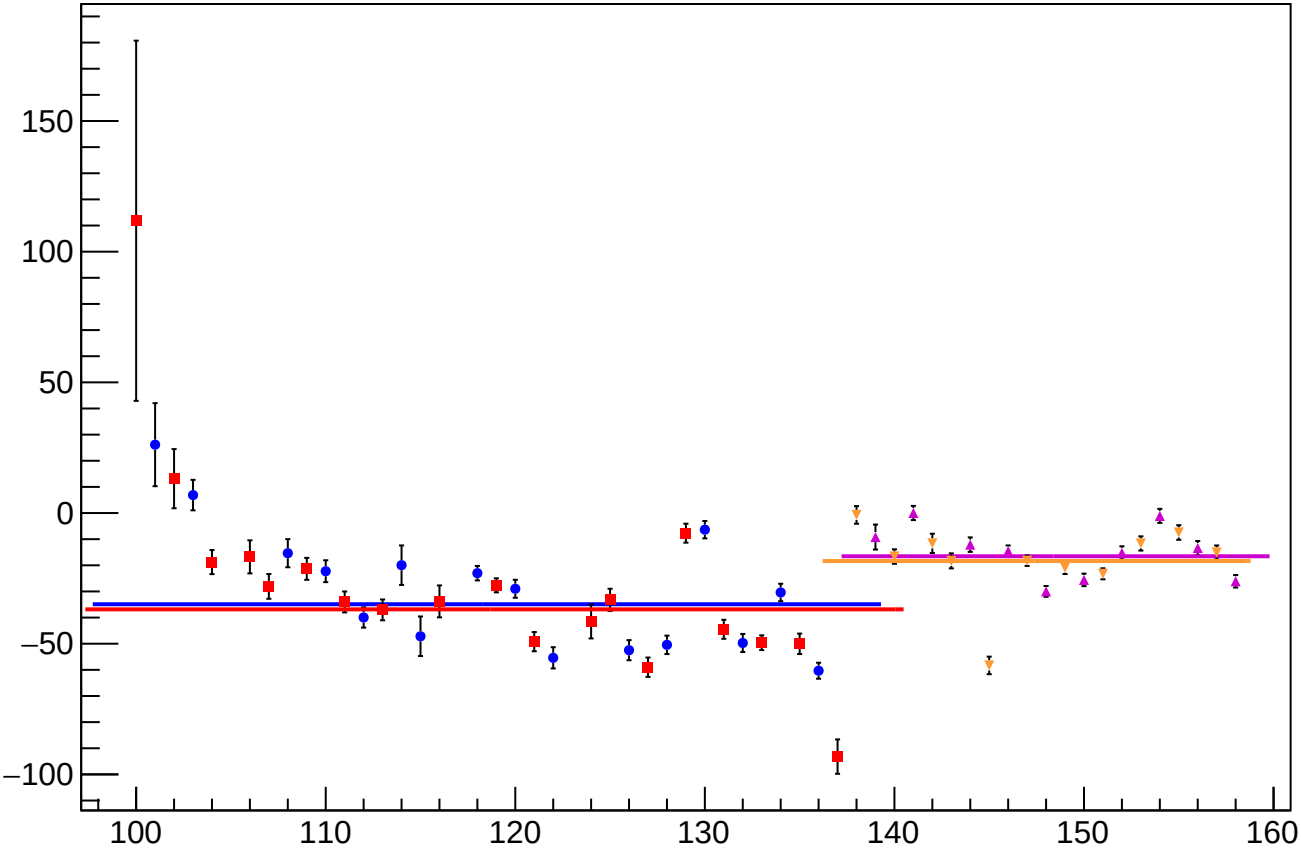
Left In: 2.723+/-0.963 χ^2/NDF:475.7/9

+ sign 11.244+/-0.678 χ^2/NDF: 1327.6/26

All: 10.208+/-0.477 χ^2/NDF: 2625.6/55

- sign 9.194+/-0.670 χ^2/NDF: 1293.4/28

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -34.899+/-0.990 χ^2/NDF: 346.6/15

Left Out: -18.363+/-0.804 χ^2/NDF:202.2/10

Right Out: -36.853+/-0.970 χ^2/NDF: 301.4/18

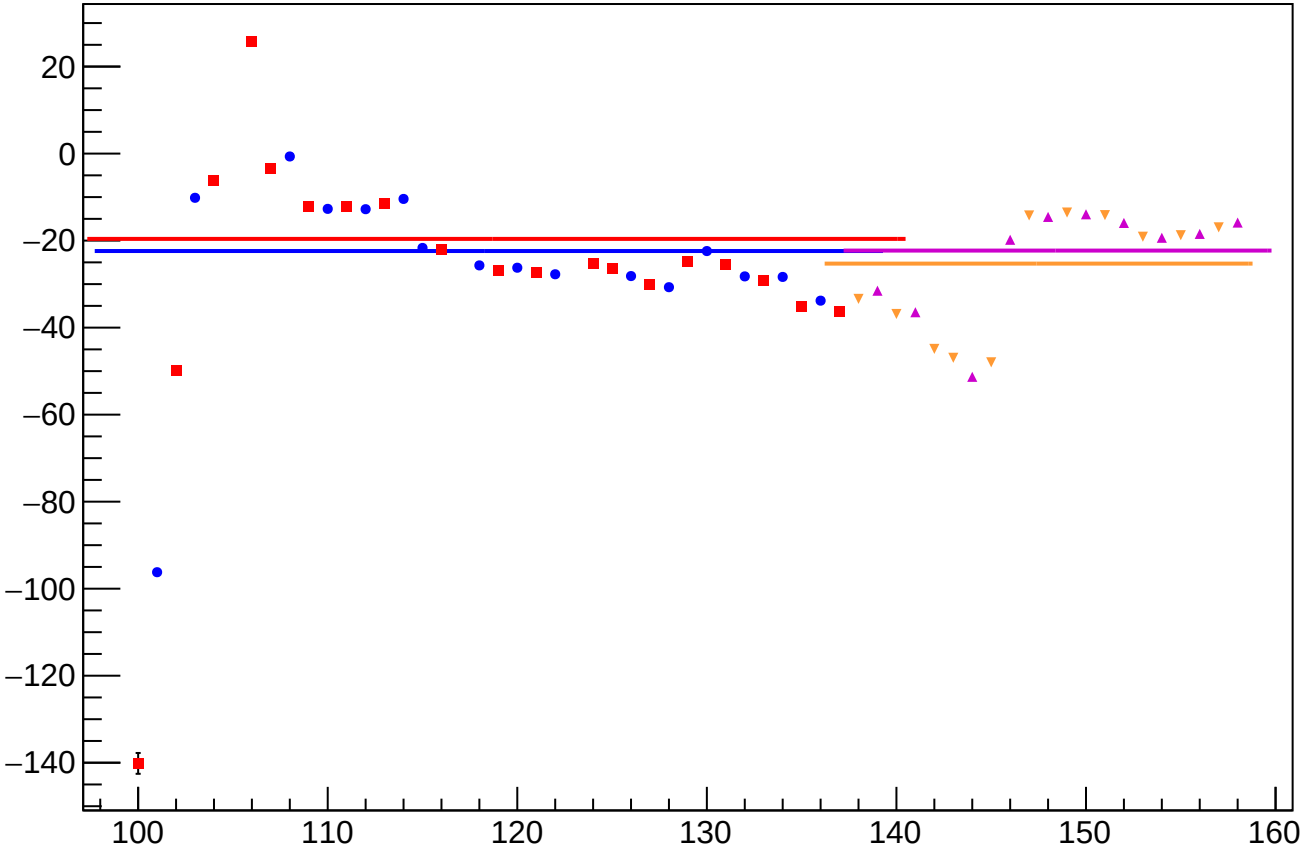
Left In: -16.539+/-0.805 χ^2/NDF:149.9/9

+ sign -24.929+/-0.624 χ^2/NDF: 716.9/26

All: -24.877+/-0.440 χ^2/NDF: 1428.2/55

- sign -24.826+/-0.619 χ^2/NDF: 711.3/28

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -25.287+/-0.037 χ^2/NDF:113040.8/10

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

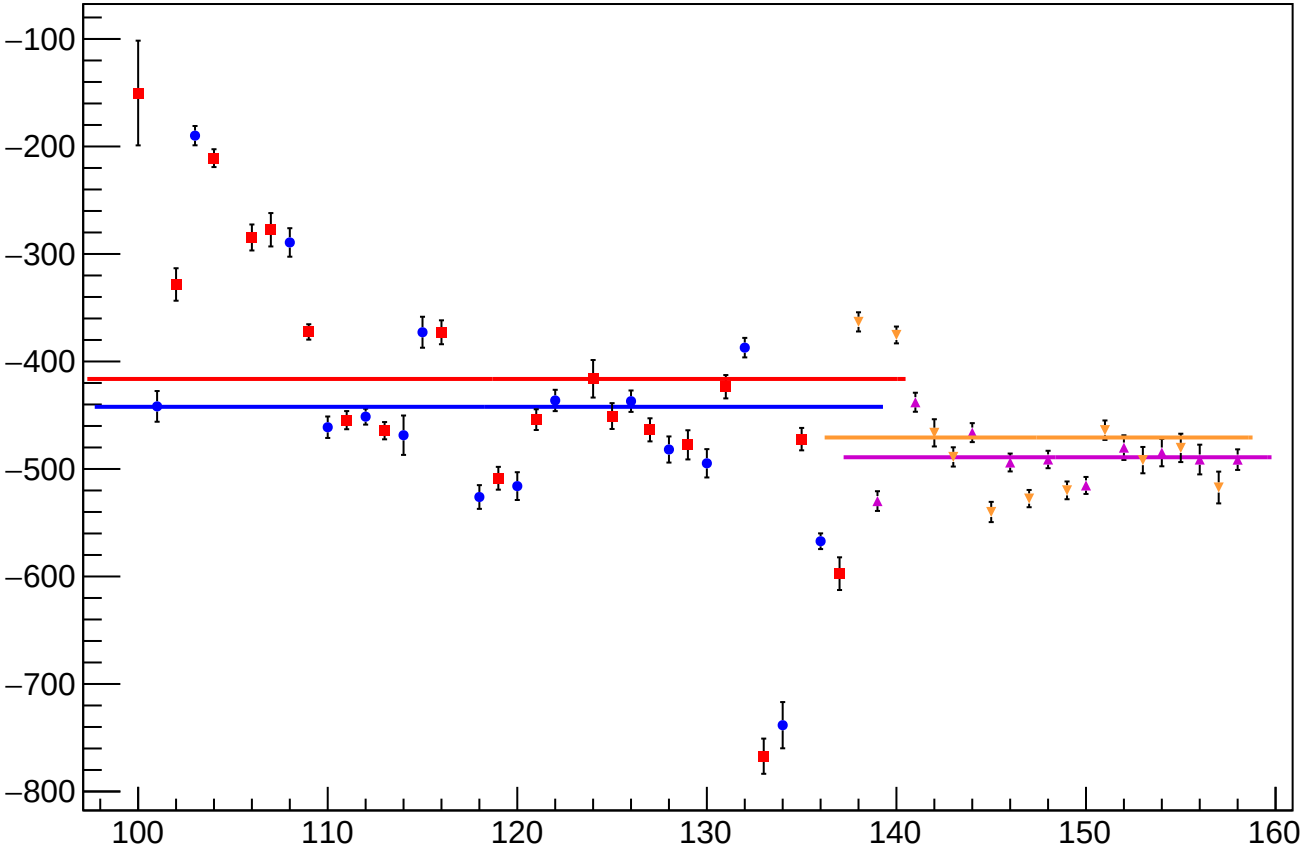
Left In: -22.291+/-0.036 χ^2/NDF:77425.0/9

+ sign -24.454+/-0.031 χ^2/NDF: 161314.7/26

All: -22.992+/-0.022 χ^2/NDF: 328408.8/55

- sign -21.564+/-0.031 χ^2/NDF: 162779.4/28

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -470.712+/-2.909 χ^2/NDF:451.5/10

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

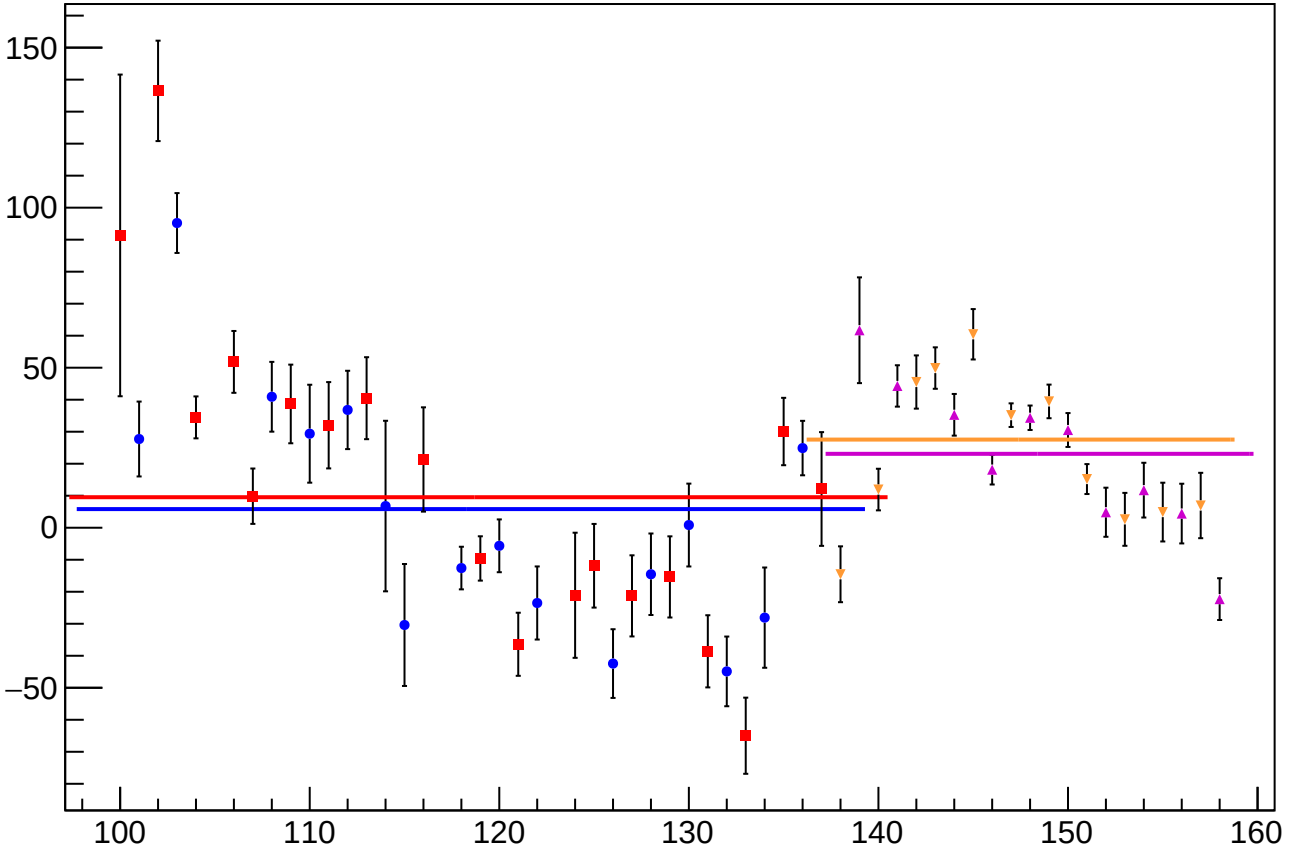
Left In: -489.091+/-2.974 χ^2/NDF:72.1/9

+ sign -455.291+/-1.972 χ^2/NDF: 2092.6/26

All: -450.907+/-1.377 χ^2/NDF: 4277.0/55

- sign -446.733+/-1.924 χ^2/NDF: 2174.8/28

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 27.542+/-1.880 χ^2/NDF:98.7/10

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

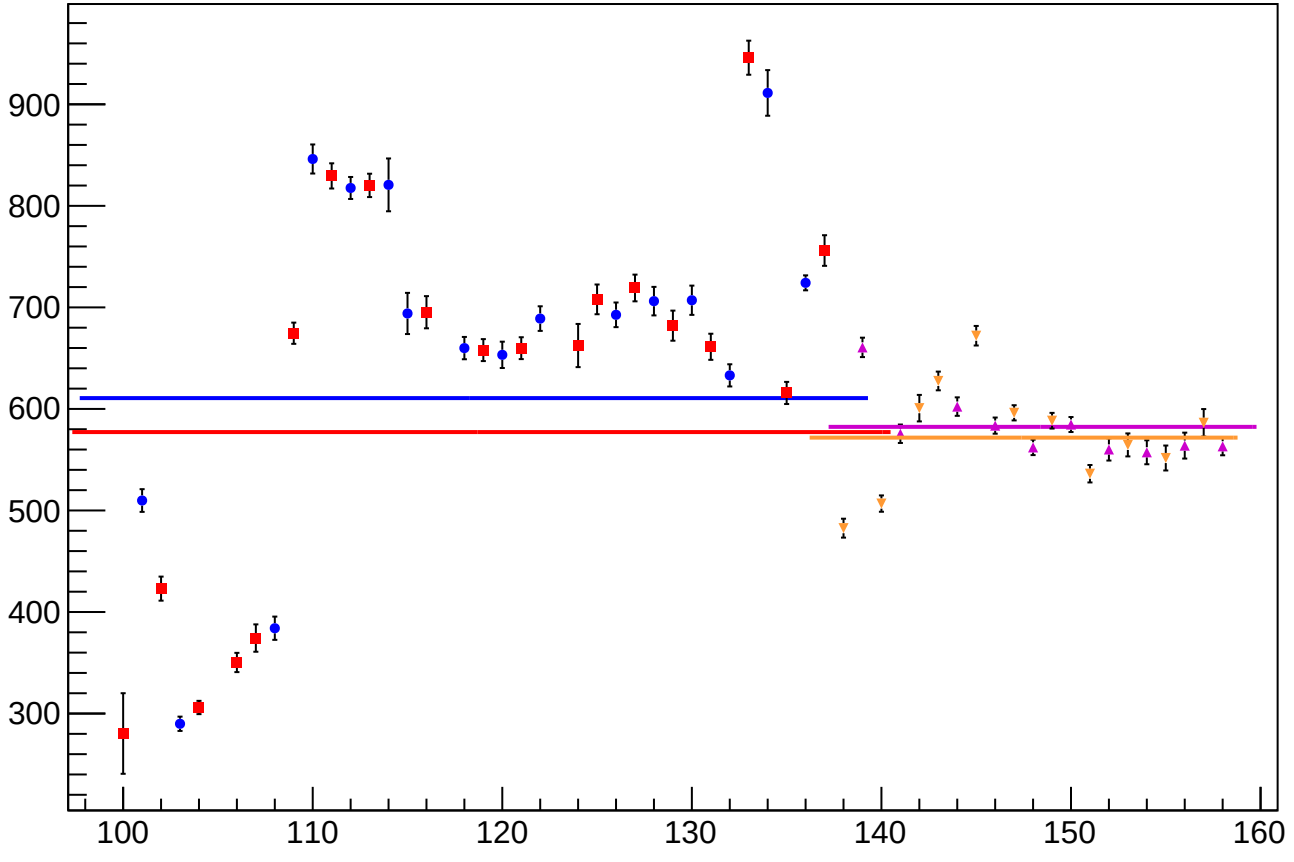
Left In: 23.091+/-1.933 χ^2/NDF:91.4/9

+ sign 20.548+/-1.548 χ^2/NDF: 329.8/26

All: 19.349+/-1.092 χ^2/NDF: 662.4/55

- sign 18.159+/-1.542 χ^2/NDF: 331.4/28

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 571.743+/-2.847 χ^2/NDF:343.6/10

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

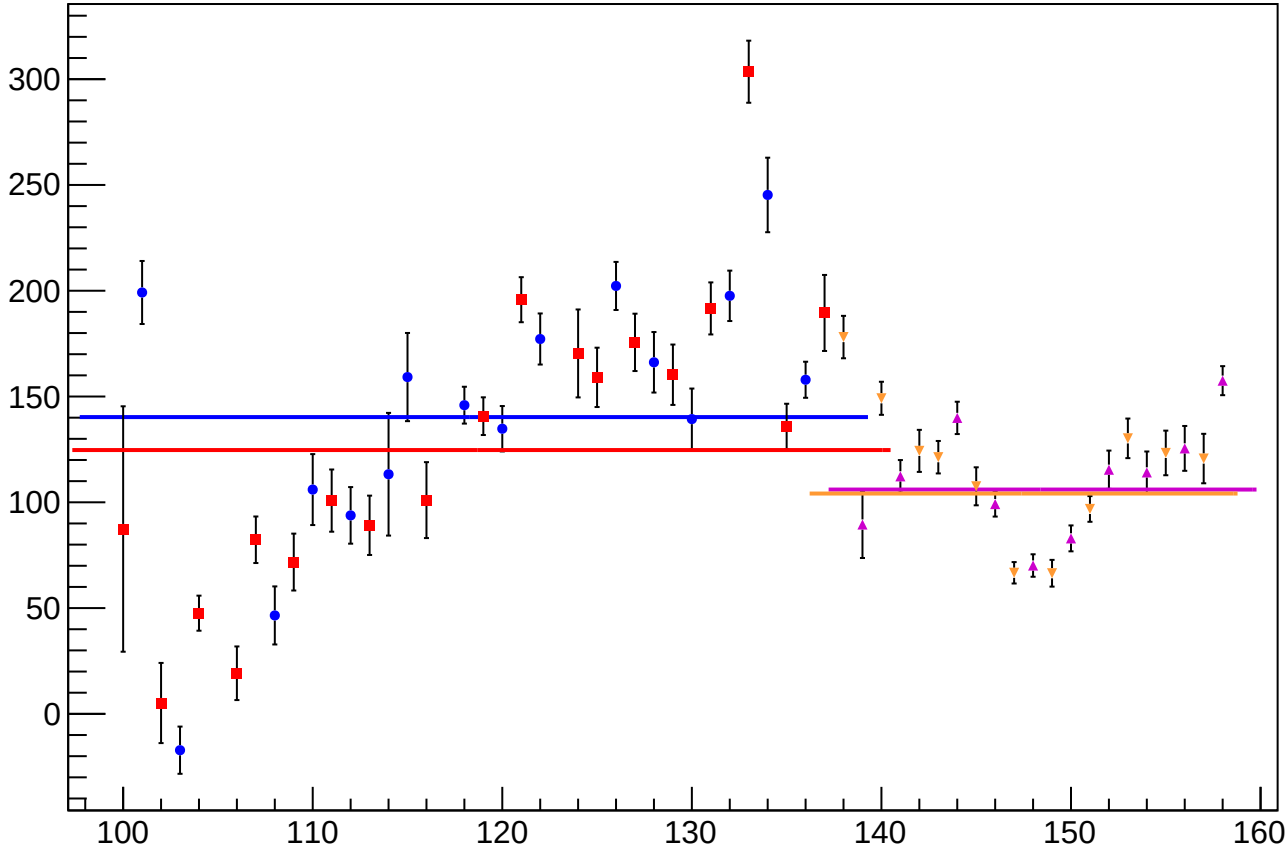
Left In: 582.346+/-2.873 χ^2/NDF:95.0/9

\+ sign 590.894+/-2.029 χ^2/NDF: 4328.1/26

All: 585.168+/-1.420 χ^2/NDF: 9240.7/55

\- sign 579.668+/-1.988 χ^2/NDF: 4897.0/28

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 104.138+/-2.326 χ^2/NDF:201.7/10

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

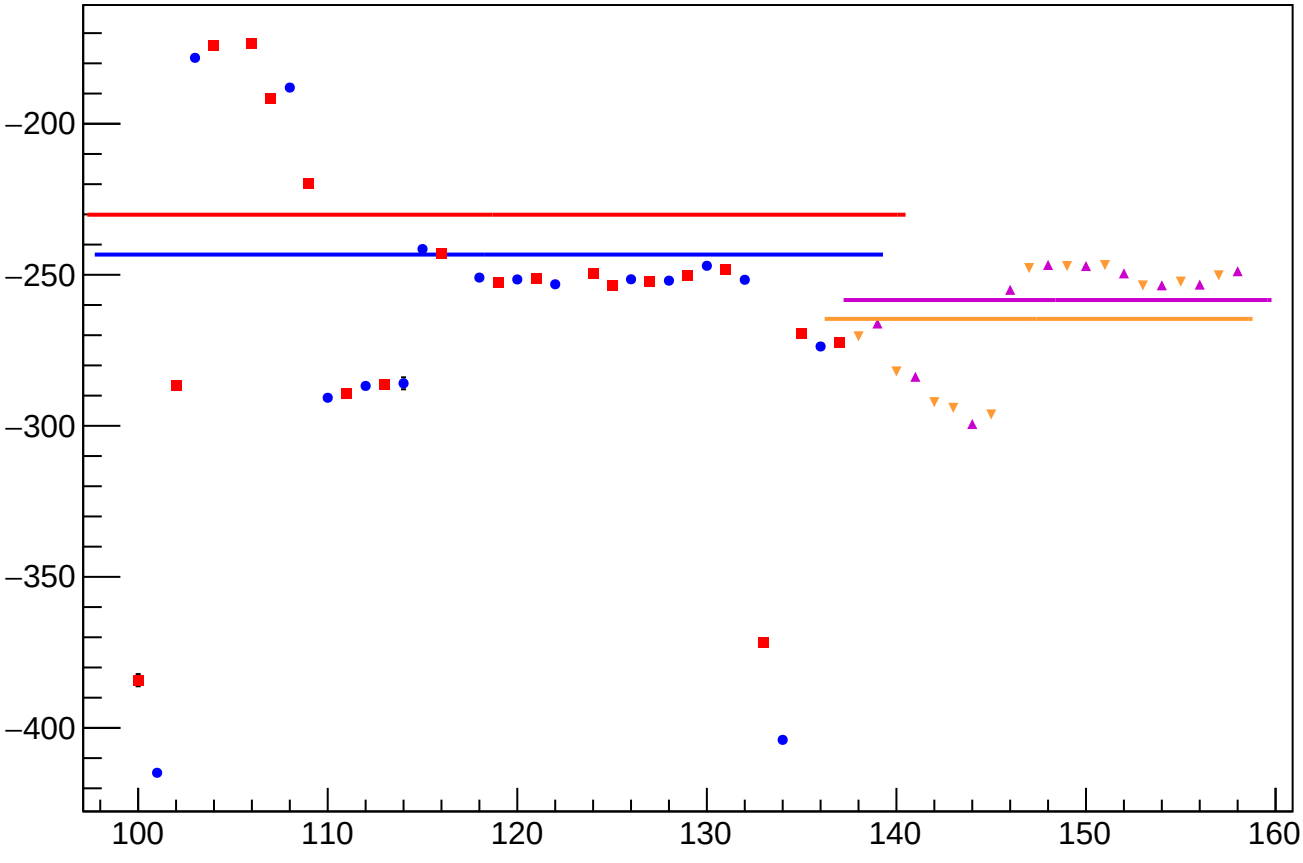
Left In: 106.027+/-2.348 χ^2/NDF:144.0/9

+ sign 116.887+/-1.872 χ^2/NDF: 672.2/26

All: 115.008+/-1.314 χ^2/NDF: 1350.9/55

- sign 113.184+/-1.844 χ^2/NDF: 676.8/28

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -264.595+/-0.114 χ^2/NDF:28881.7/10

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

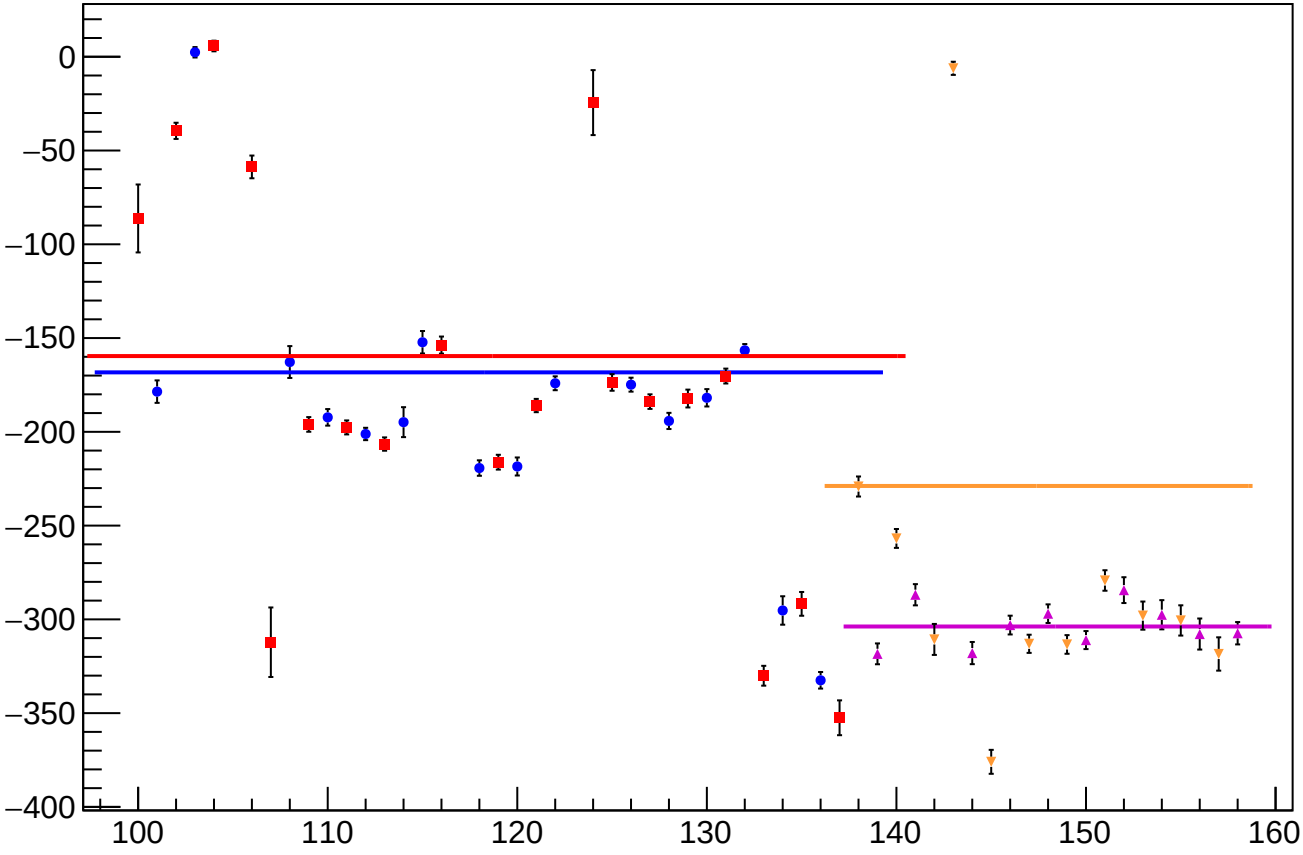
Left In: -258.355+/-0.111 χ^2/NDF:20051.6/9

+ sign -257.549+/-0.093 χ^2/NDF: 213847.6/26

All: -253.136+/-0.065 χ^2/NDF: 362207.0/55

- sign -248.991+/-0.091 χ^2/NDF: 144039.7/28

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -228.861+/-1.673 χ^2/NDF:5628.0/10

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

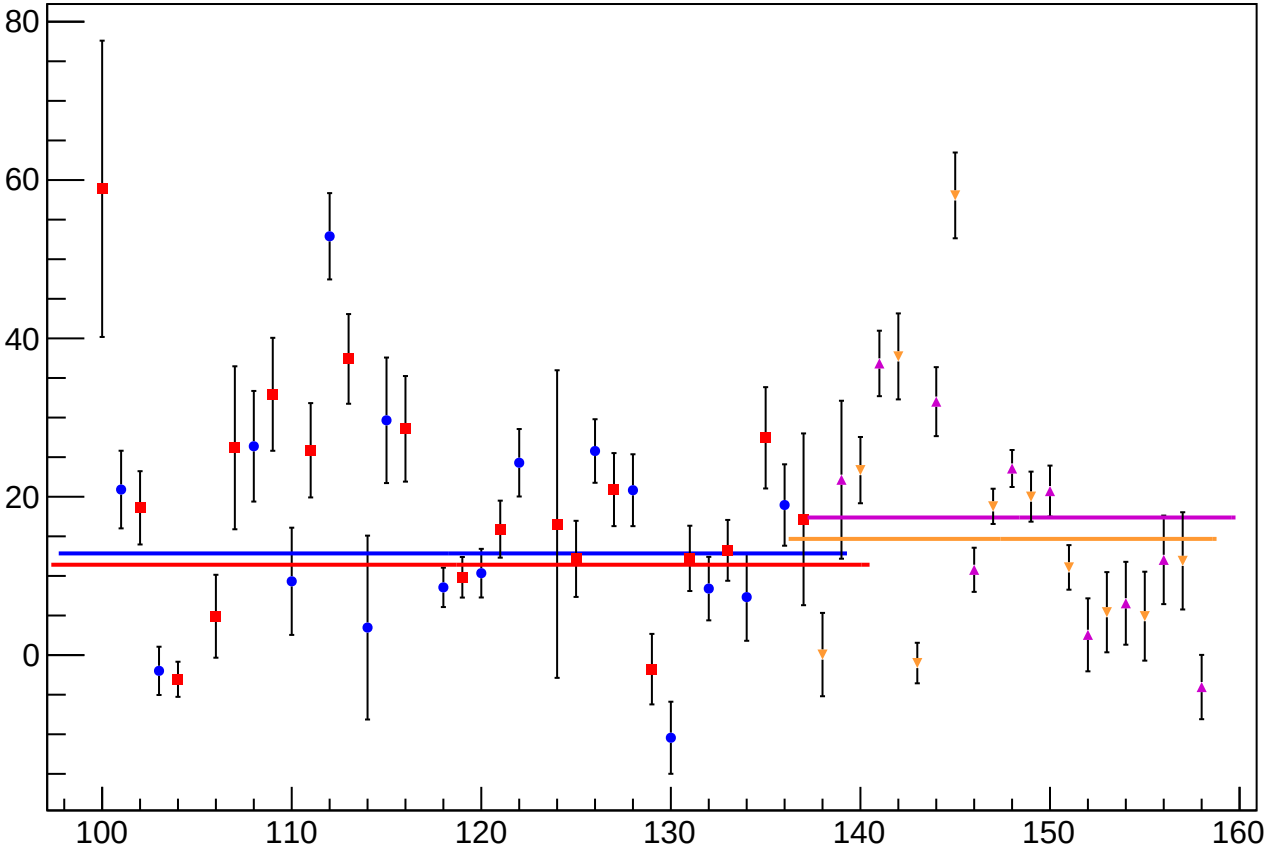
Left In: -303.801+/-1.837 χ^2/NDF:34.9/9

+ sign -186.005+/-0.905 χ^2/NDF: 12462.7/26

All: -190.352+/-0.640 χ^2/NDF: 24402.3/55

- sign -194.715+/-0.907 χ^2/NDF: 11893.3/28

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

Left Out: 14.677+/-1.092 χ^2/NDF:146.2/10

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

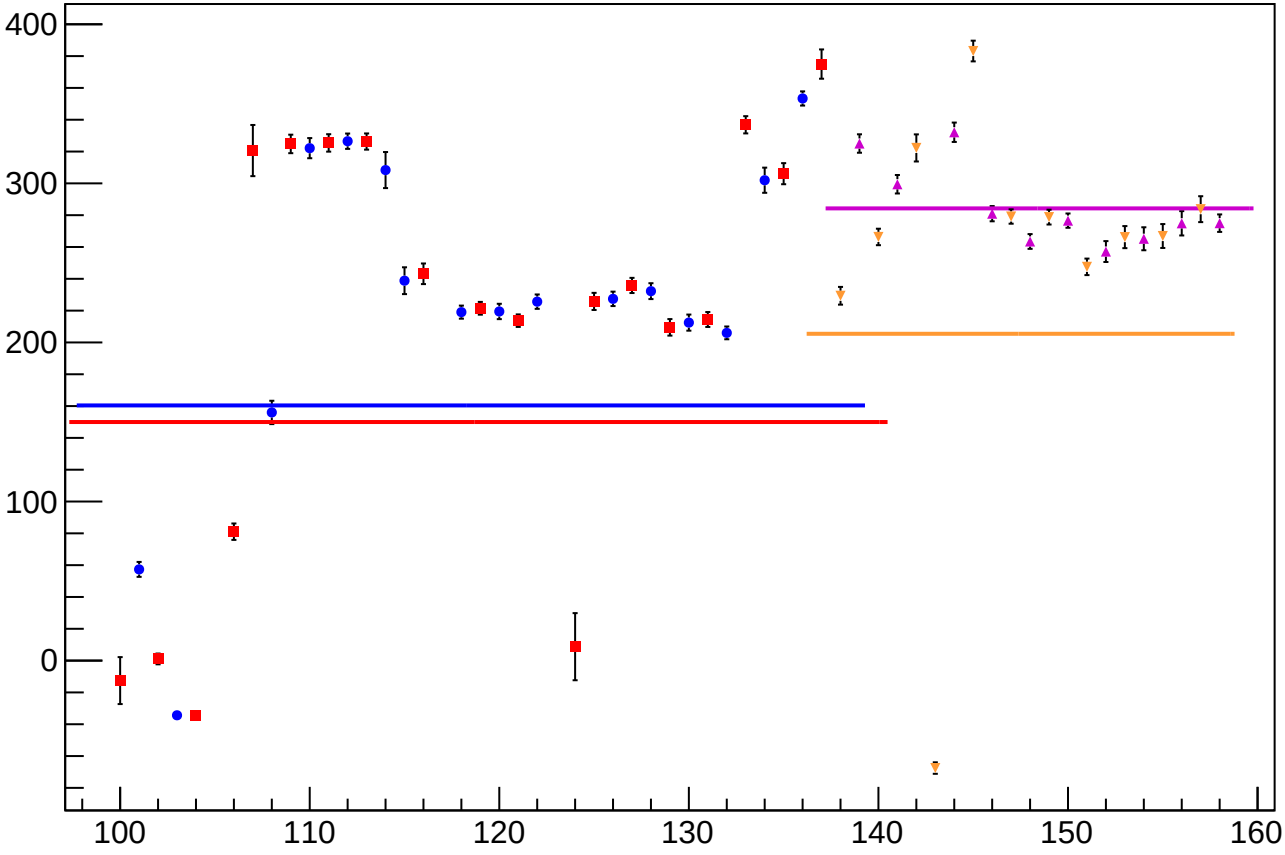
Left In: 17.379+/-1.190 χ^2/NDF:90.7/9

+ sign 13.747+/-0.766 χ^2/NDF: 291.3/26

All: 13.863+/-0.547 χ^2/NDF: 515.9/55

- sign 13.984+/-0.781 χ^2/NDF: 224.6/28

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 205.439+/-1.645 χ^2/NDF:7626.5/10

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

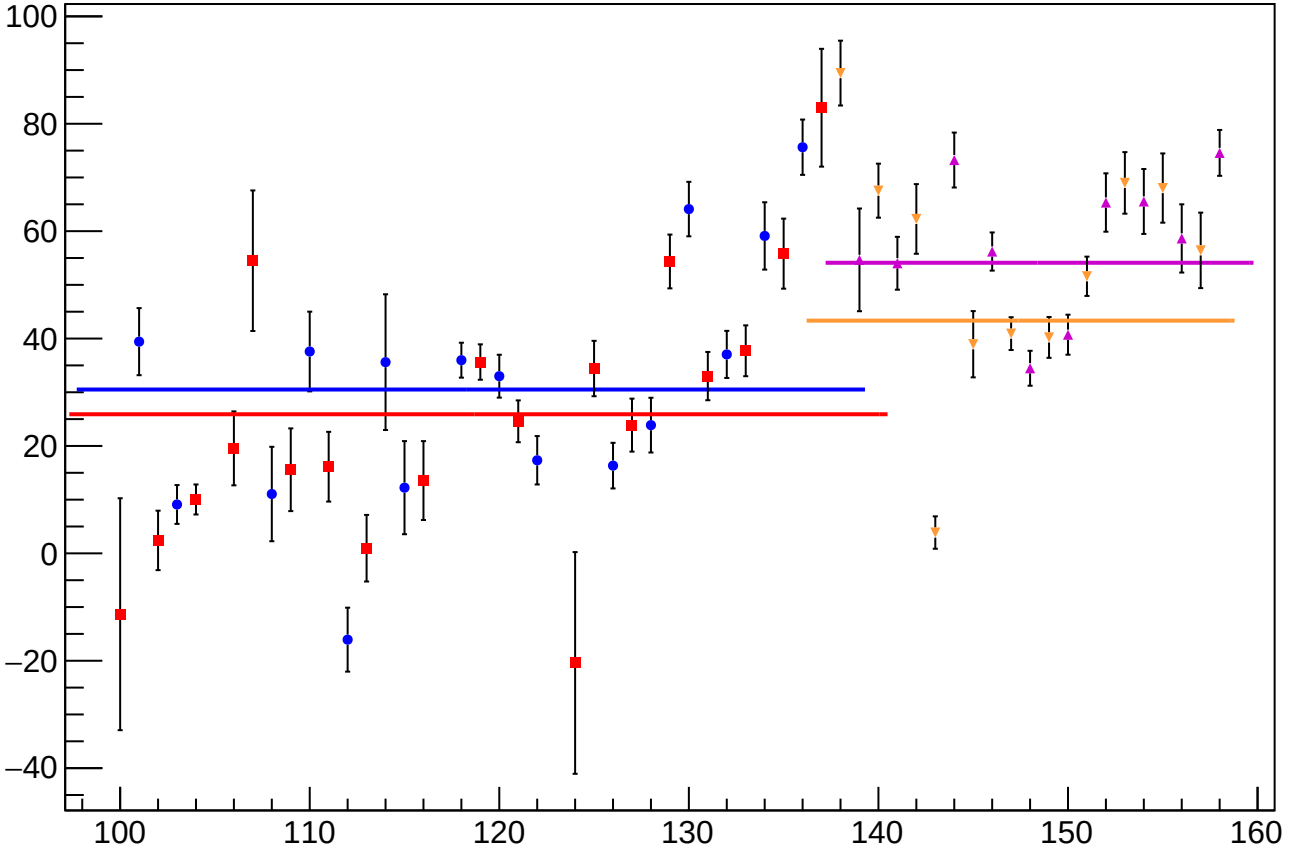
Left In: 284.265+/-1.772 χ^2/NDF:170.0/9

+ sign 175.002+/-0.936 χ^2/NDF: 22082.9/26

All: 181.320+/-0.663 χ^2/NDF: 42742.0/55

- sign 187.670+/-0.939 χ^2/NDF: 20567.8/28

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 43.339+/-1.345 χ^2/NDF:306.1/10

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

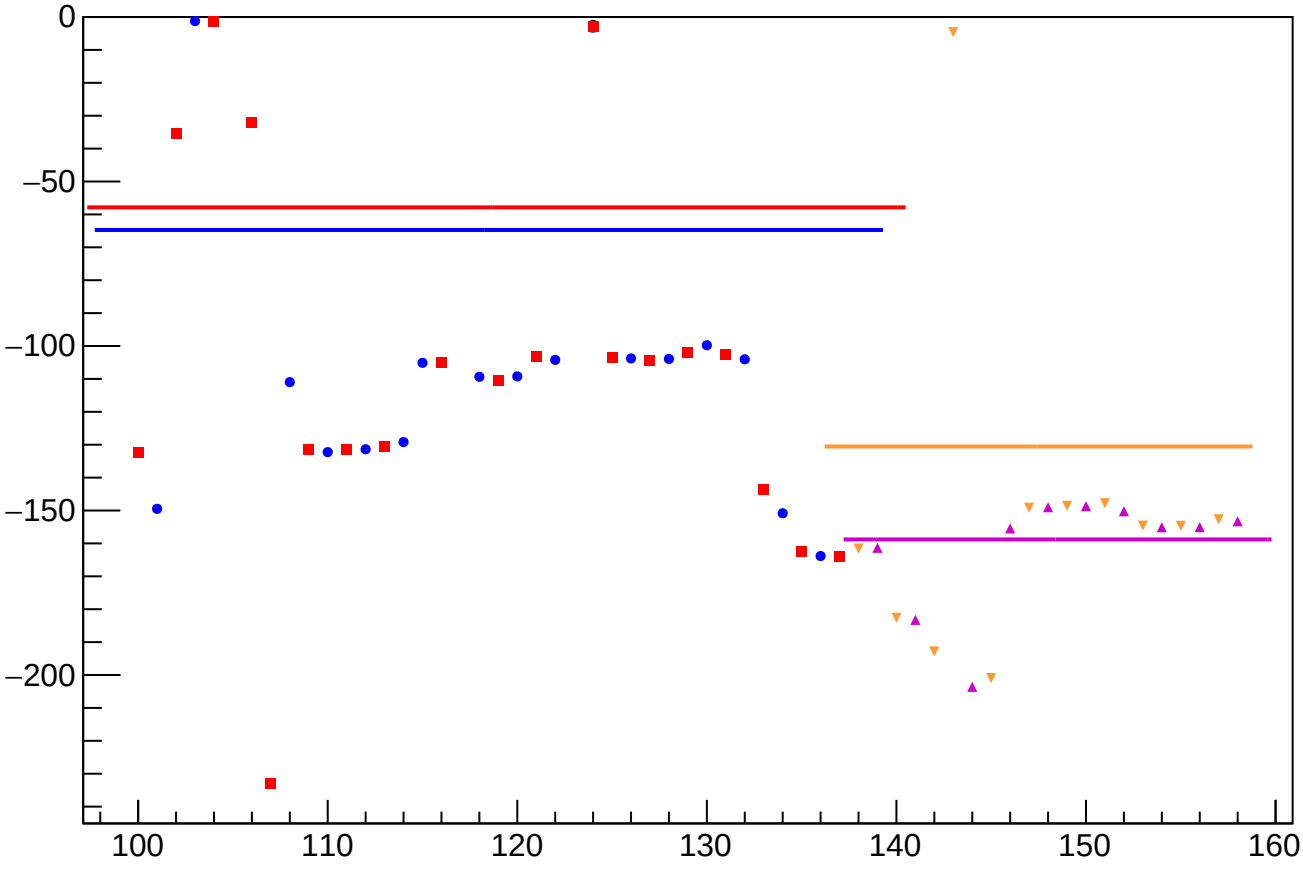
Left In: 54.115+/-1.448 χ^2/NDF:95.1/9

+ sign 36.478+/-0.917 χ^2/NDF: 631.7/26

All: 37.002+/-0.653 χ^2/NDF: 1138.4/55

- sign 37.540+/-0.930 χ^2/NDF: 506.0/28

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -130.540+/-0.066 χ^2/NDF:933028.0/10

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

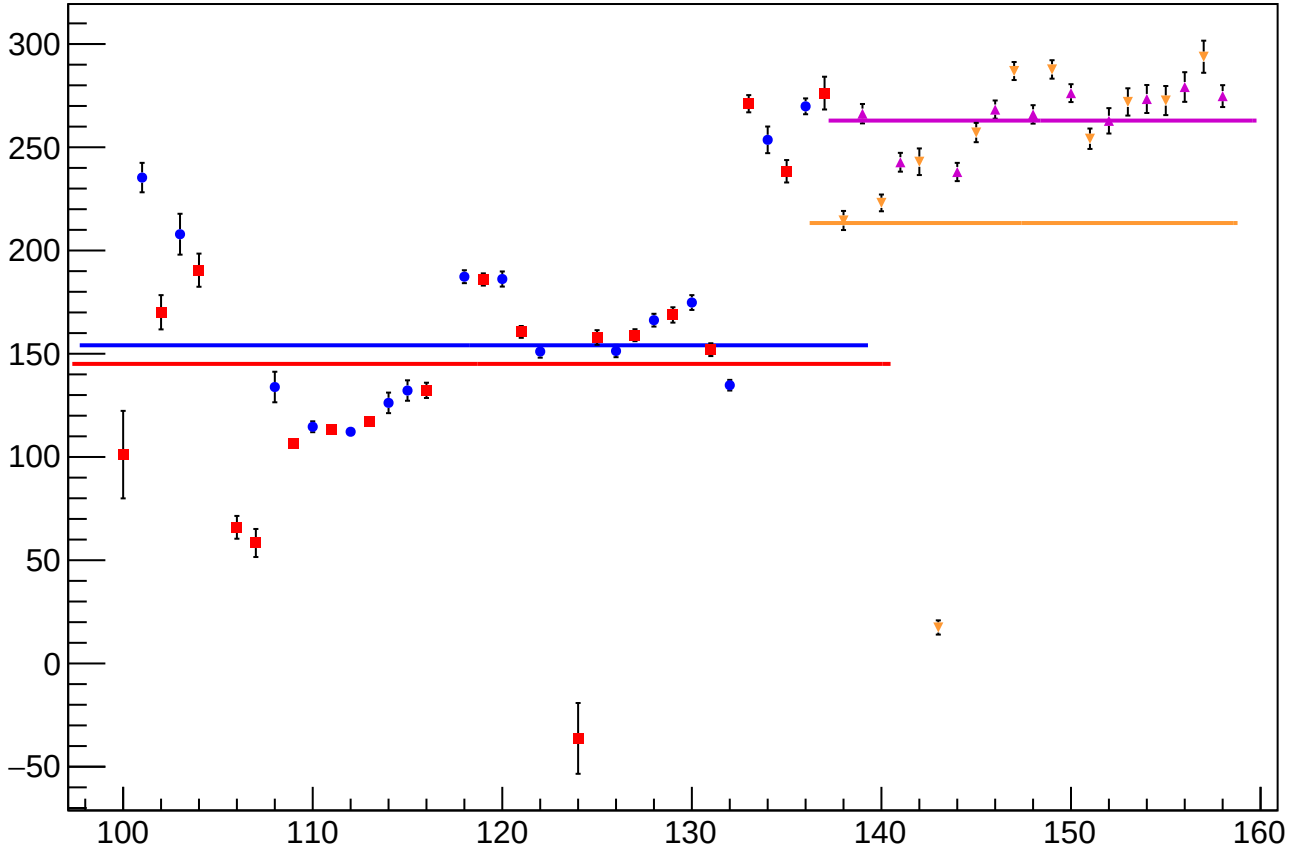
Left In: -158.789+/-0.068 χ^2/NDF:46267.5/9

+ sign -96.416+/-0.046 χ^2/NDF: 2489989.0/26

All: -100.048+/-0.032 χ^2/NDF: 4621972.1/55

- sign -103.678+/-0.046 χ^2/NDF: 2119485.5/28

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 213.309+/-1.467 χ^2/NDF:4235.1/10

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

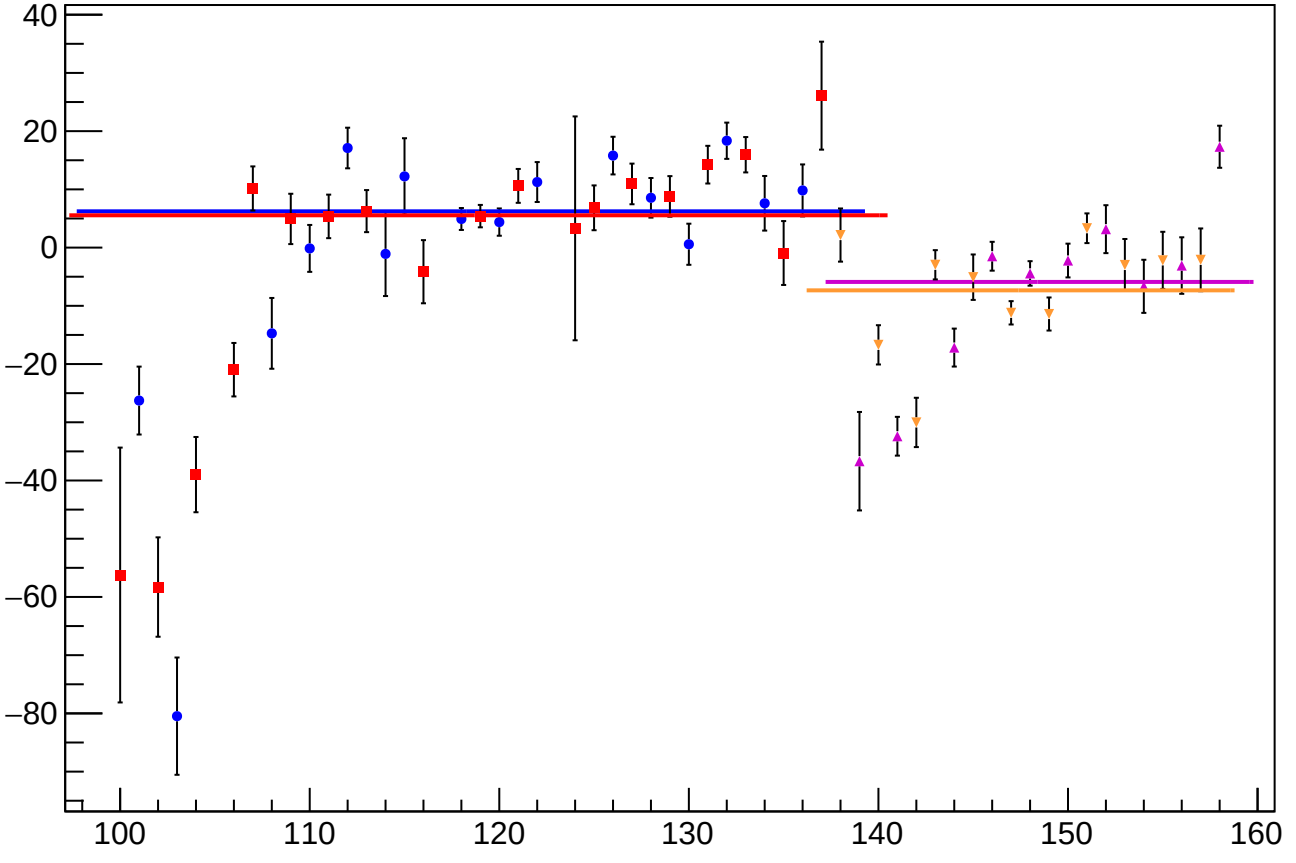
Left In: 262.922+/-1.575 χ^2/NDF:75.8/9

\+ sign 169.481+/-0.748 χ^2/NDF: 7722.3/26

All: 170.005+/-0.523 χ^2/NDF: 15148.2/55

\- sign 170.507+/-0.732 χ^2/NDF: 7424.9/28

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 6.229+/-0.890 χ^2/NDF: 162.1/15

Left Out: -7.342+/-0.967 χ^2/NDF:70.3/10

Right Out: 5.548+/-0.889 χ^2/NDF: 181.1/18

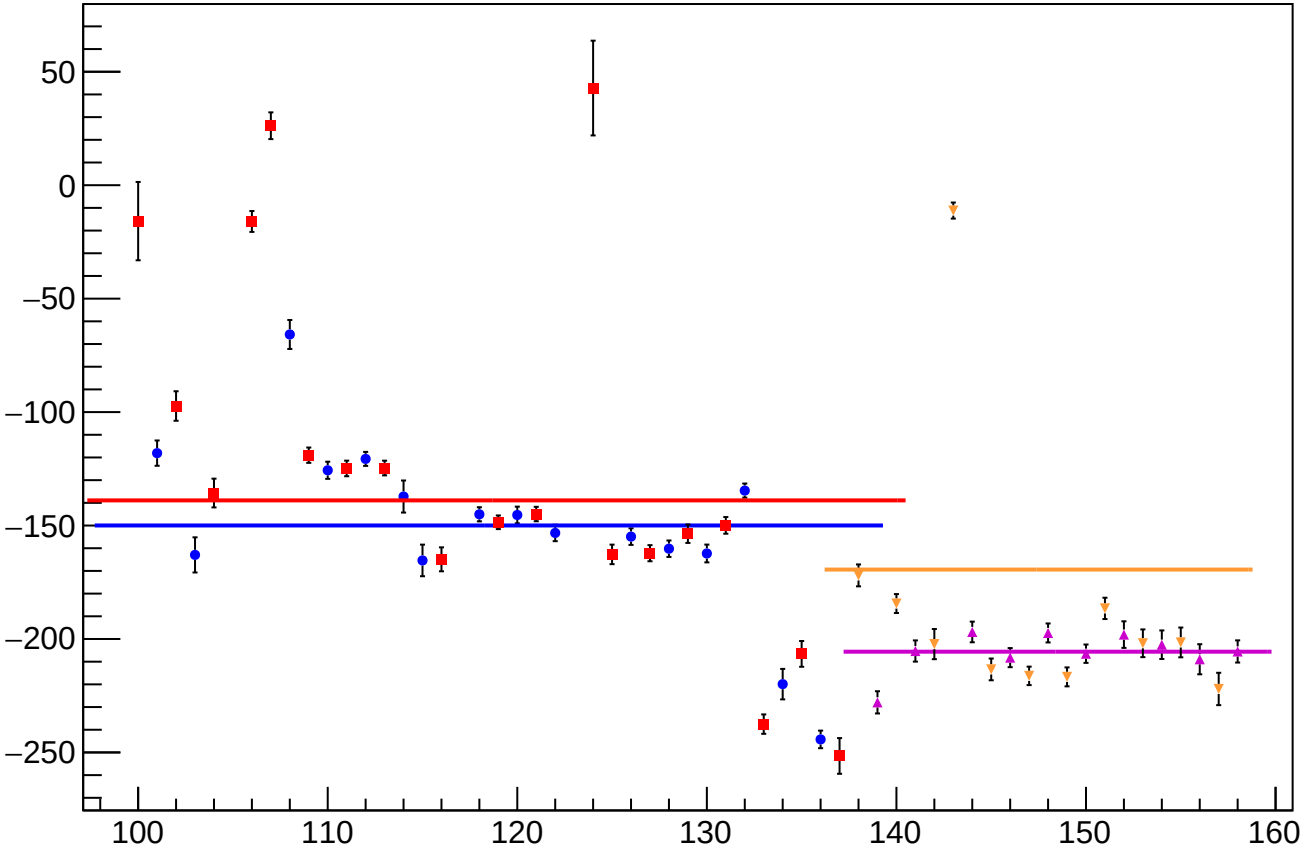
Left In: -5.896+/-1.036 χ^2/NDF:140.3/9

+ sign 0.008+/-0.655 χ^2/NDF: 339.0/26

All: 0.339+/-0.470 χ^2/NDF: 731.2/55

- sign 0.691+/-0.675 χ^2/NDF: 391.7/28

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -169.408+/-1.445 χ^2/NDF:2496.8/10

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

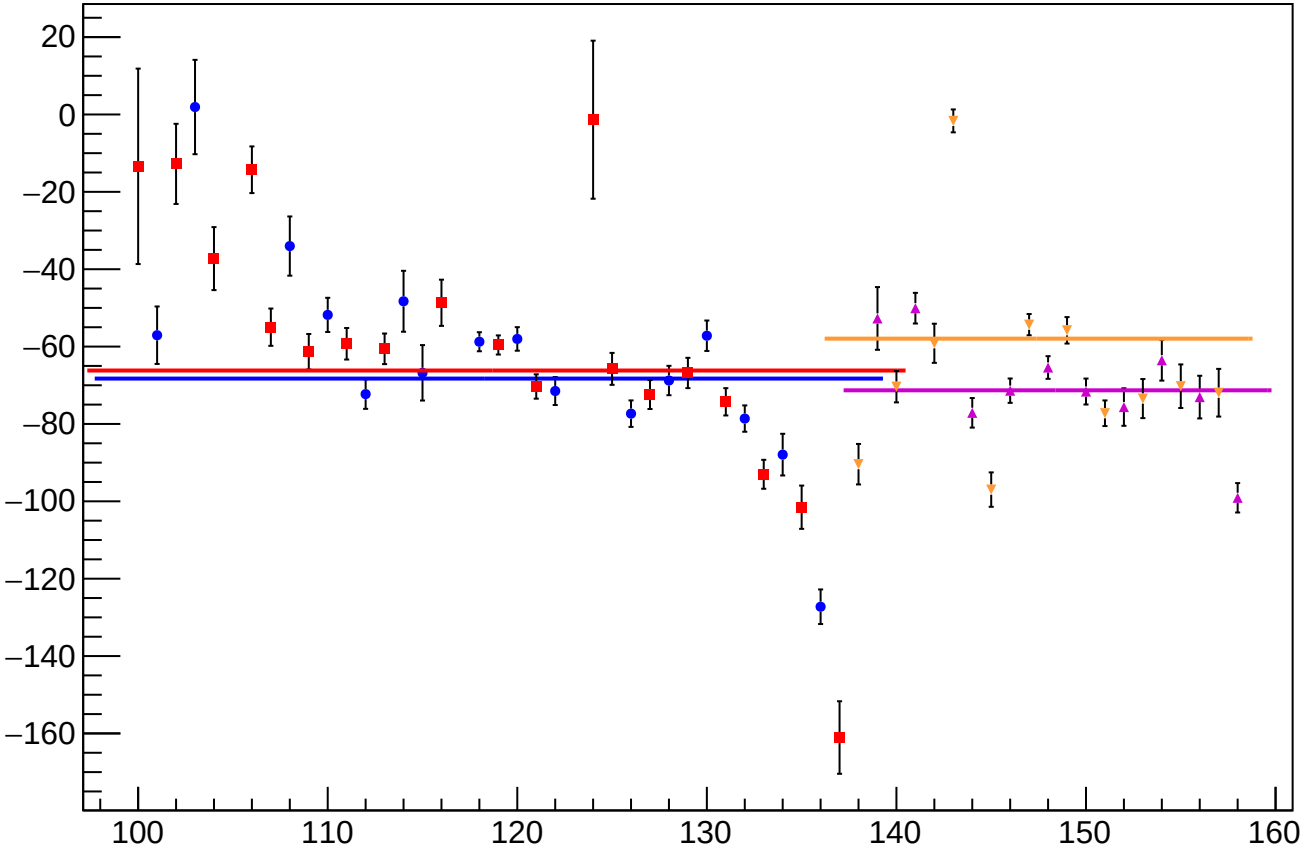
Left In: -205.602+/-1.526 χ^2/NDF:30.9/9

+ sign -156.483+/-0.836 χ^2/NDF: 3716.6/26

All: -157.633+/-0.590 χ^2/NDF: 7844.1/55

- sign -158.771+/-0.832 χ^2/NDF: 4123.8/28

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -57.946+/-1.189 χ^2/NDF:541.3/10

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

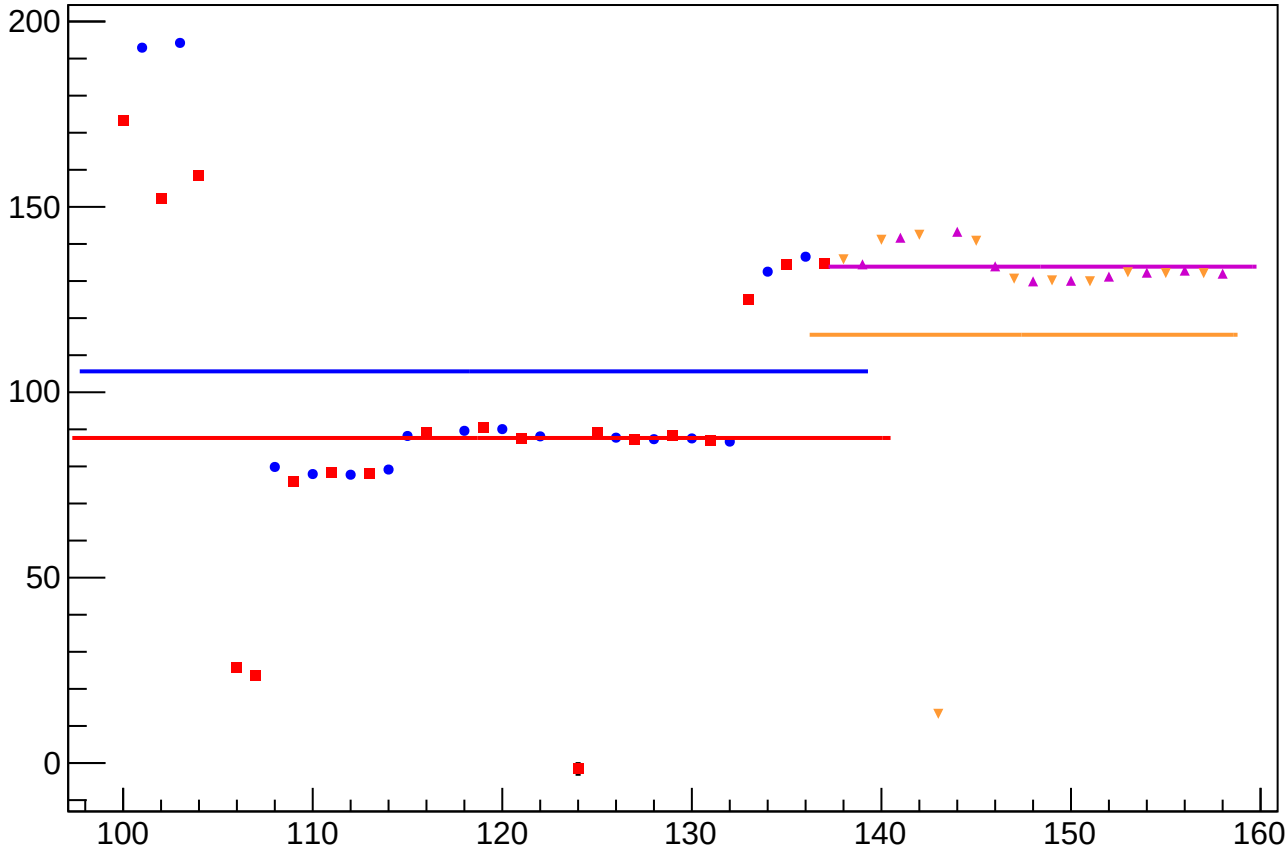
Left In: -71.303+/-1.255 χ^2/NDF:96.9/9

+ sign -63.831+/-0.780 χ^2/NDF: 899.7/26

All: -65.993+/-0.556 χ^2/NDF: 1380.5/55

- sign -68.230+/-0.793 χ^2/NDF: 465.2/28

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 115.510+/-0.058 χ^2/NDF:577919.1/10

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

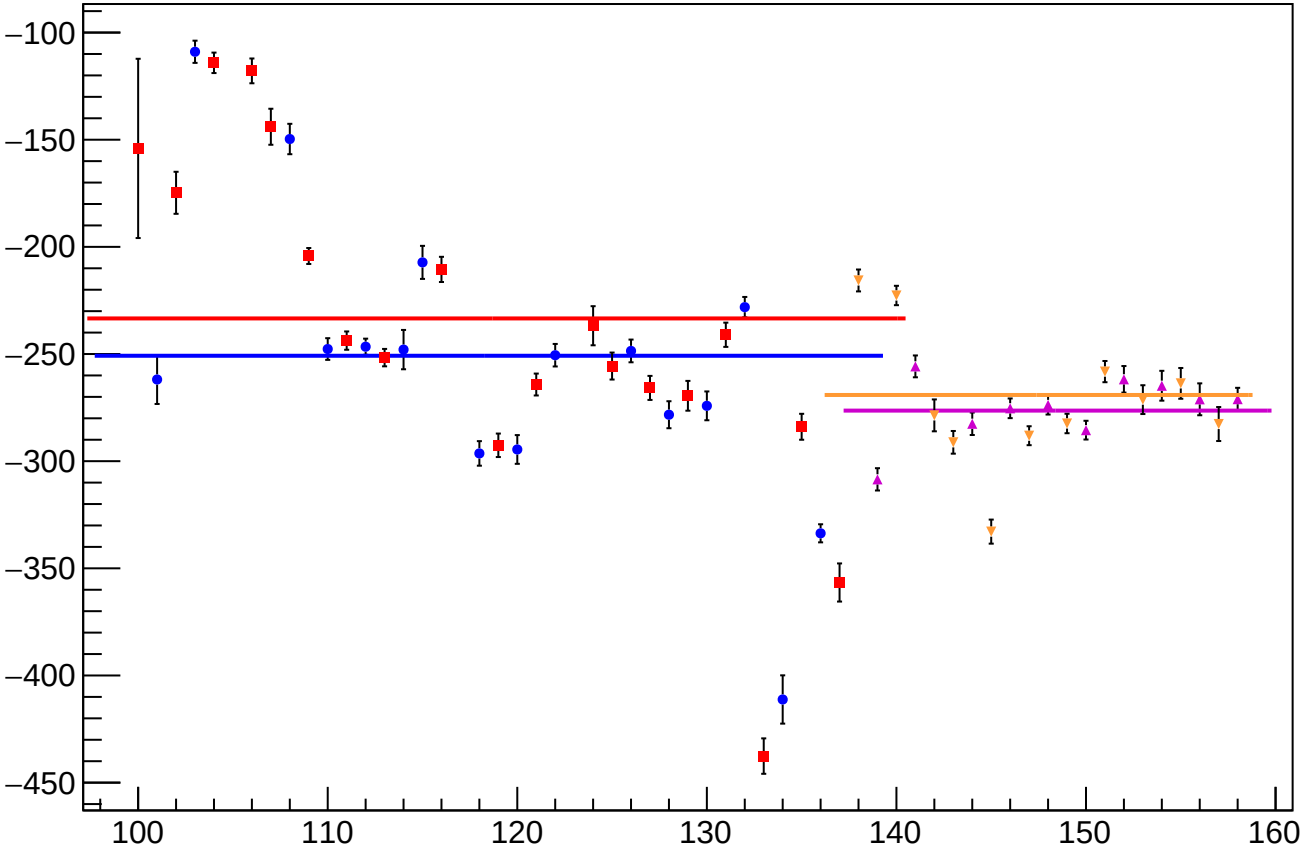
Left In: 133.877+/-0.059 χ^2/NDF:5272.4/9

+ sign 111.540+/-0.045 χ^2/NDF: 829141.7/26

All: 112.420+/-0.031 χ^2/NDF: 1484080.5/55

- sign 113.257+/-0.044 χ^2/NDF: 654190.6/28

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -269.109+/-1.642 χ^2/NDF:398.4/10

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

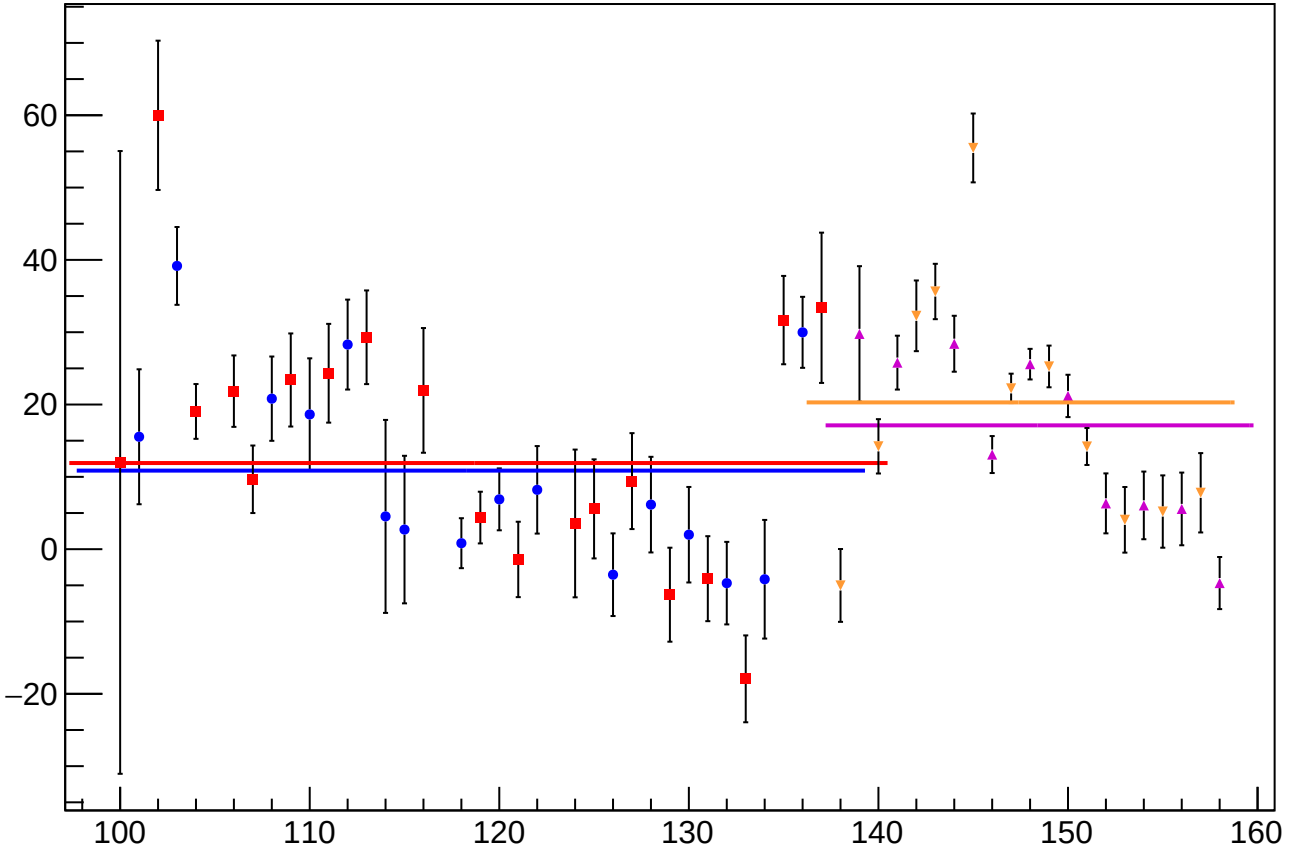
Left In: -276.405+/-1.663 χ^2/NDF:70.4/9

+ sign -258.754+/-1.082 χ^2/NDF: 2204.3/26

All: -254.323+/-0.750 χ^2/NDF: 5092.7/55

- sign -250.228+/-1.040 χ^2/NDF: 2856.1/28

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 20.295+/-1.053 χ^2/NDF:141.2/10

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

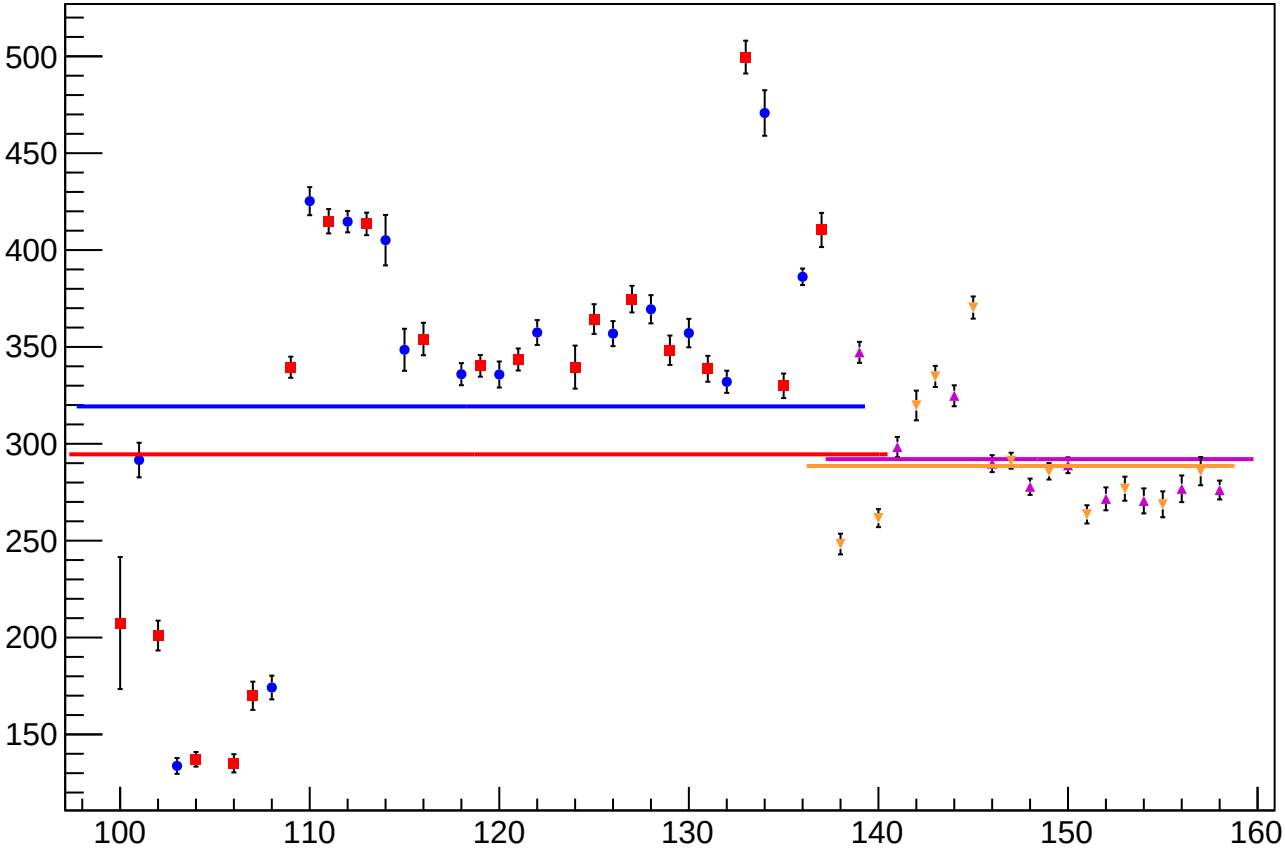
Left In: 17.121+/-1.076 χ^2/NDF:90.5/9

+ sign 17.100+/-0.856 χ^2/NDF: 253.1/26

All: 16.103+/-0.602 χ^2/NDF: 467.1/55

- sign 15.130+/-0.846 χ^2/NDF: 211.4/28

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 288.561+/-1.602 χ^2/NDF:424.8/10

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

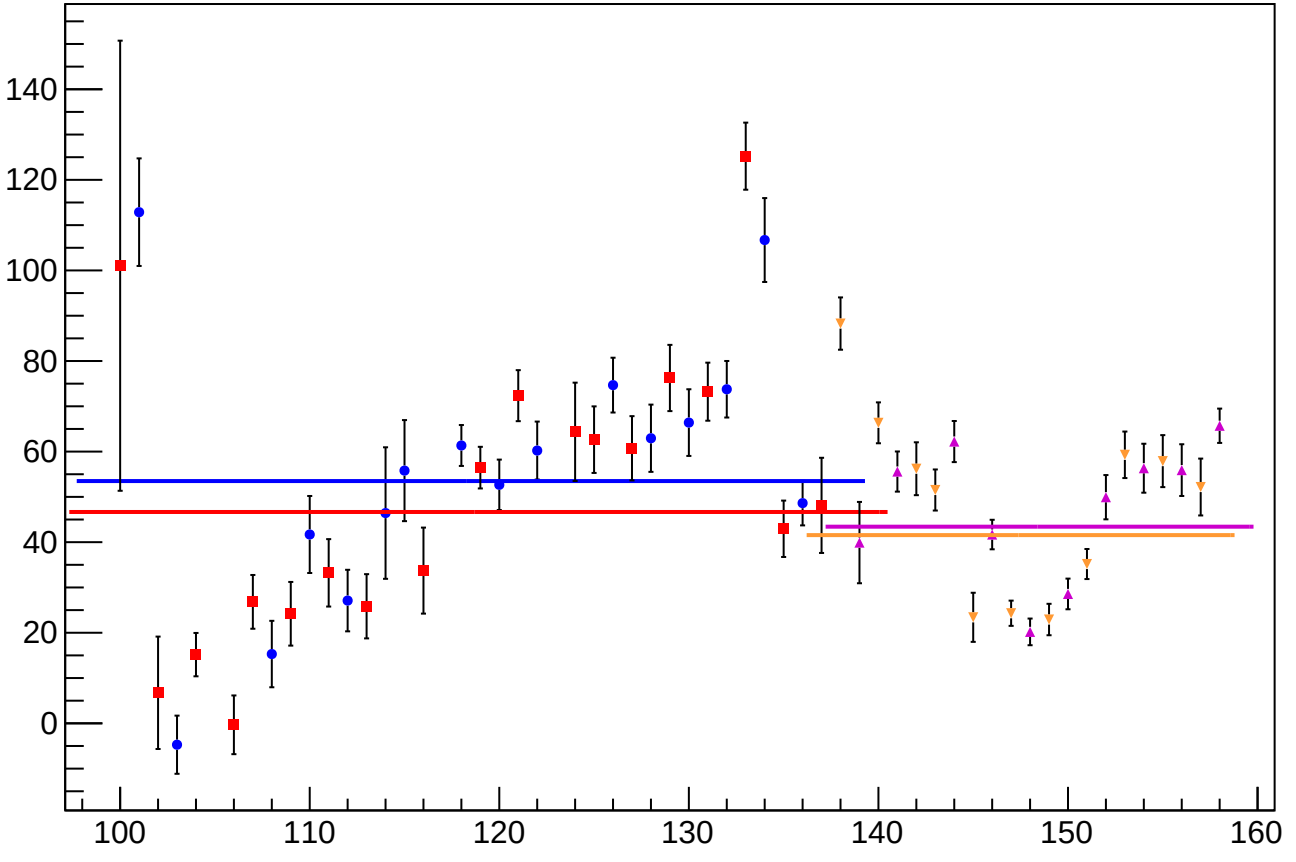
Left In: 292.092+/-1.603 χ^2/NDF:192.5/9

+ sign 304.080+/-1.127 χ^2/NDF: 4403.6/26

All: 298.565+/-0.783 χ^2/NDF: 10146.8/55

- sign 293.427+/-1.088 χ^2/NDF: 5697.0/28

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 41.558+/-1.305 χ^2/NDF:211.7/10

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

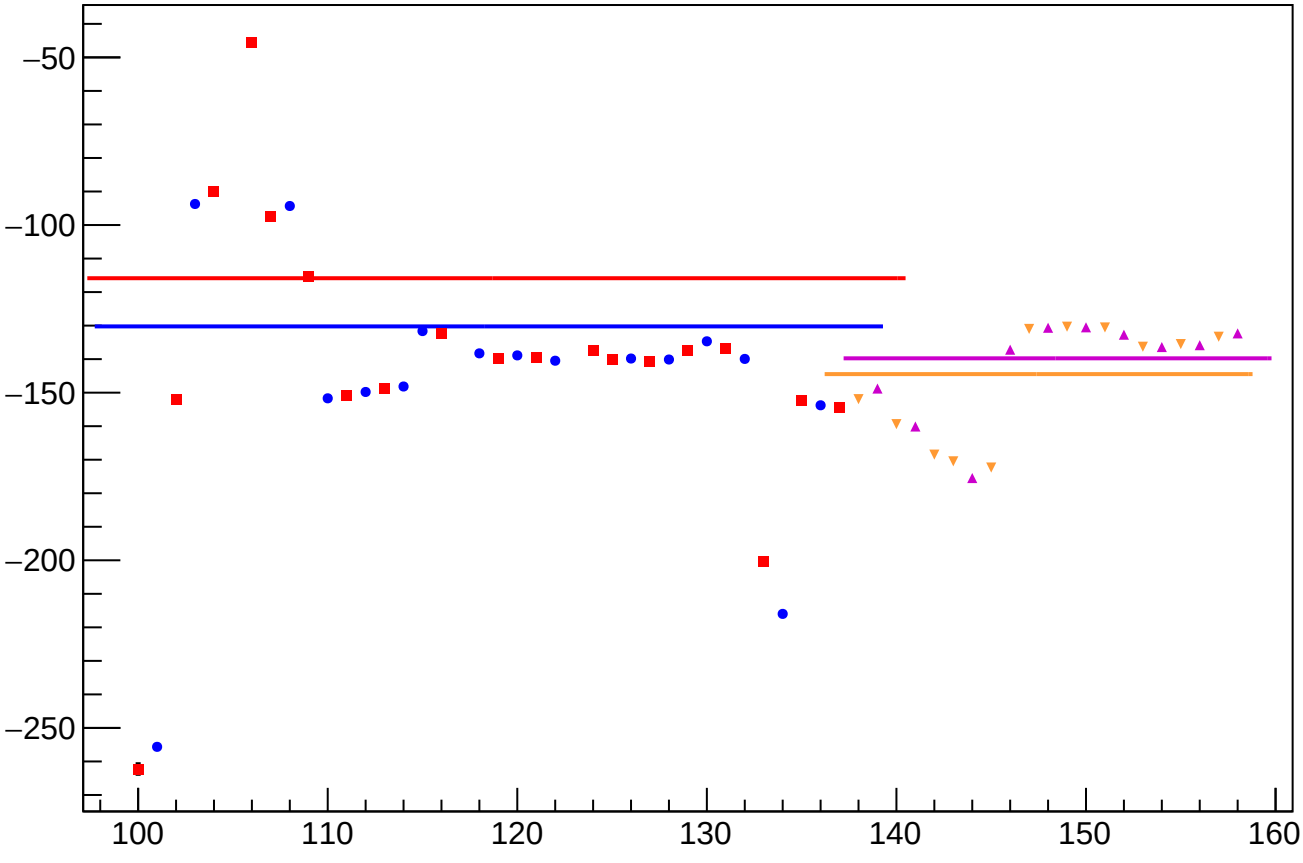
Left In: 43.420+/-1.307 χ^2/NDF:153.5/9

+ sign 45.986+/-1.035 χ^2/NDF: 460.0/26

All: 45.341+/-0.723 χ^2/NDF: 942.4/55

- sign 44.726+/-1.011 χ^2/NDF: 481.6/28

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -130.236+/-0.091 χ^2/NDF: 174208.5/15

Left Out: -144.465+/-0.064 χ^2/NDF:62960.5/10

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

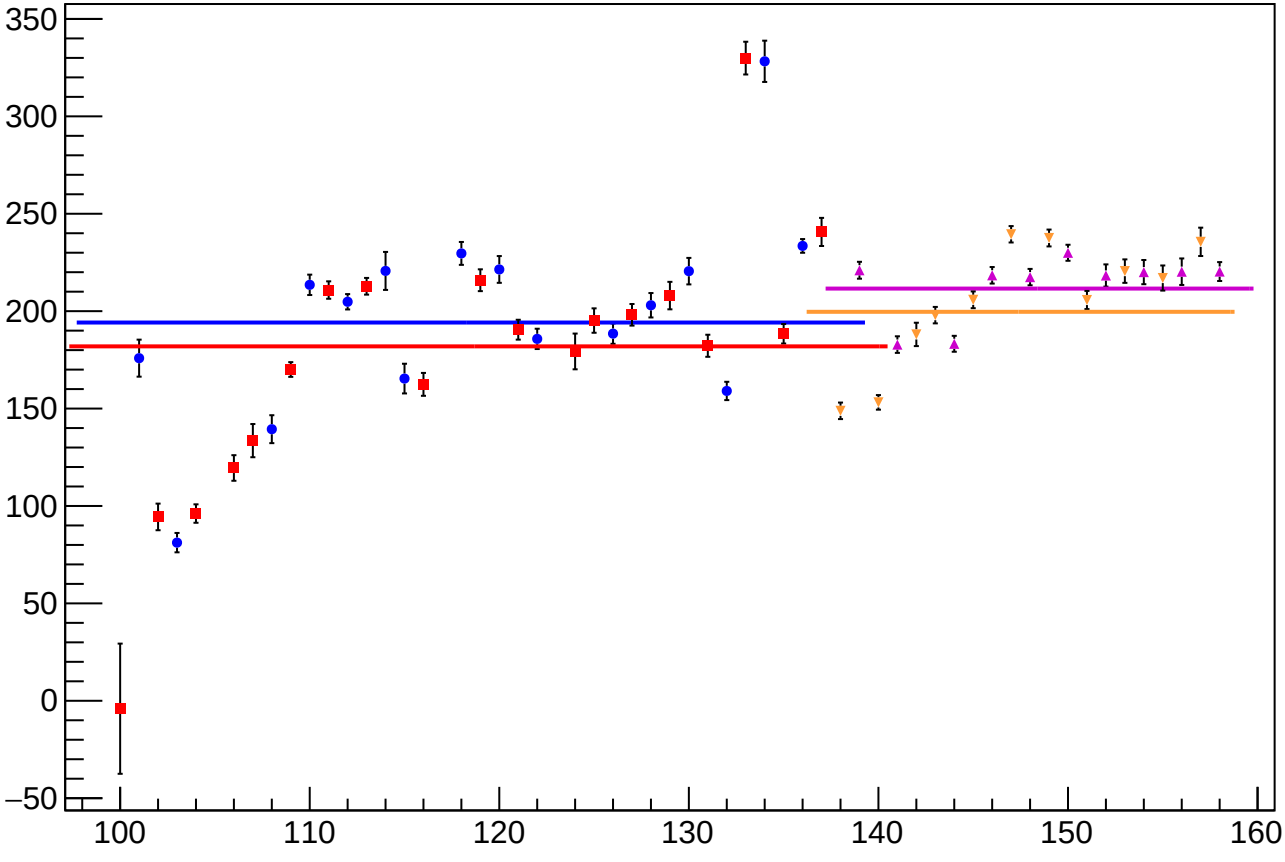
Left In: -139.759+/-0.062 χ^2/NDF:42670.5/9

+ sign -139.750+/-0.052 χ^2/NDF: 253487.5/26

All: -135.493+/-0.036 χ^2/NDF: 565870.8/55

- sign -131.614+/-0.050 χ^2/NDF: 299783.7/28

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 194.164+/-1.407 χ^2/NDF: 1035.2/15

Left Out: 199.669+/-1.426 χ^2/NDF:514.9/10

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

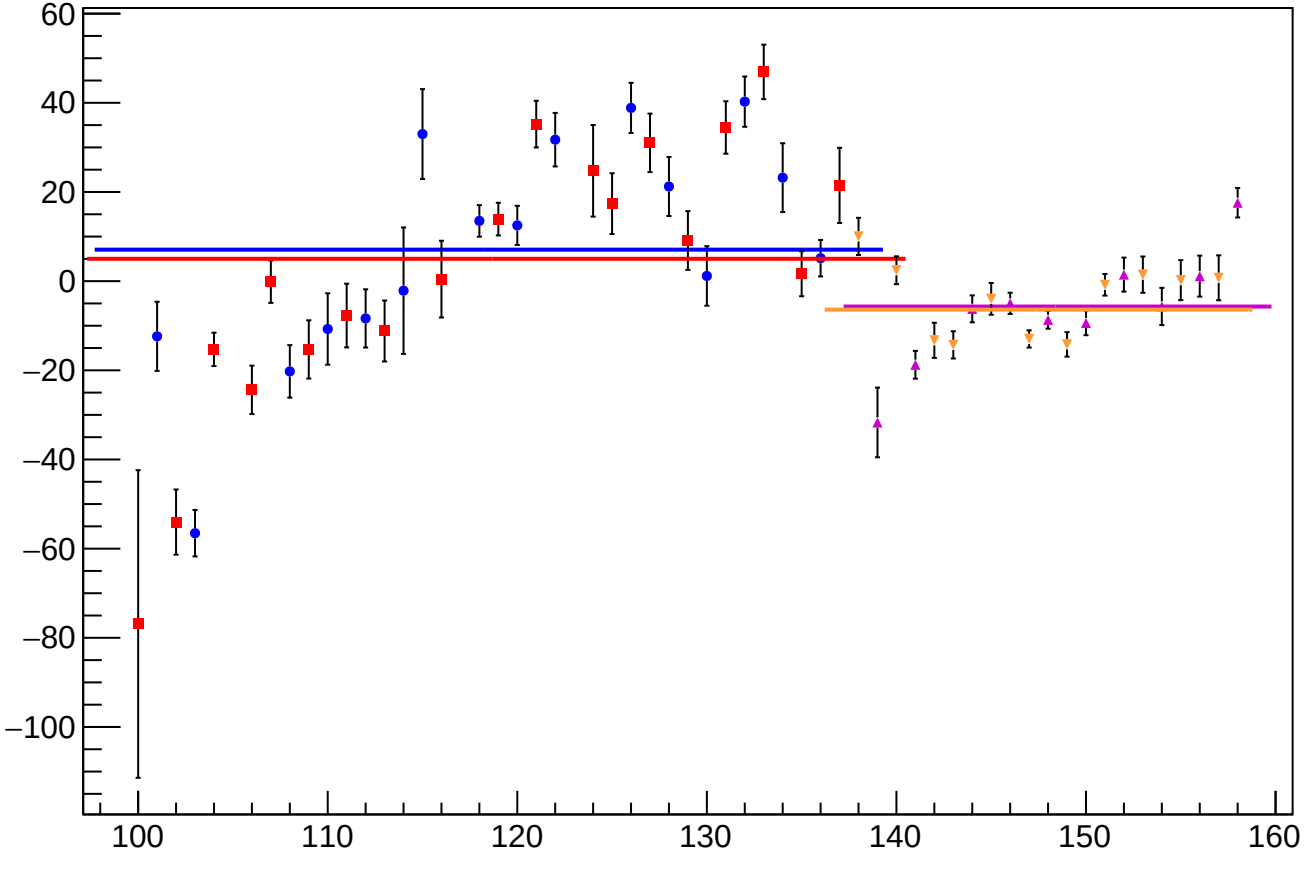
Left In: 211.591+/-1.474 χ^2/NDF:131.0/9

\+ sign 196.878+/-1.002 χ^2/NDF: 1557.6/26

All: 195.999+/-0.702 χ^2/NDF: 3119.5/55

\- sign 195.151+/-0.984 χ^2/NDF: 1560.3/28

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 7.066+/-1.443 χ^2/NDF: 292.6/15

Left Out: -6.388+/-0.940 χ^2/NDF:66.6/10

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

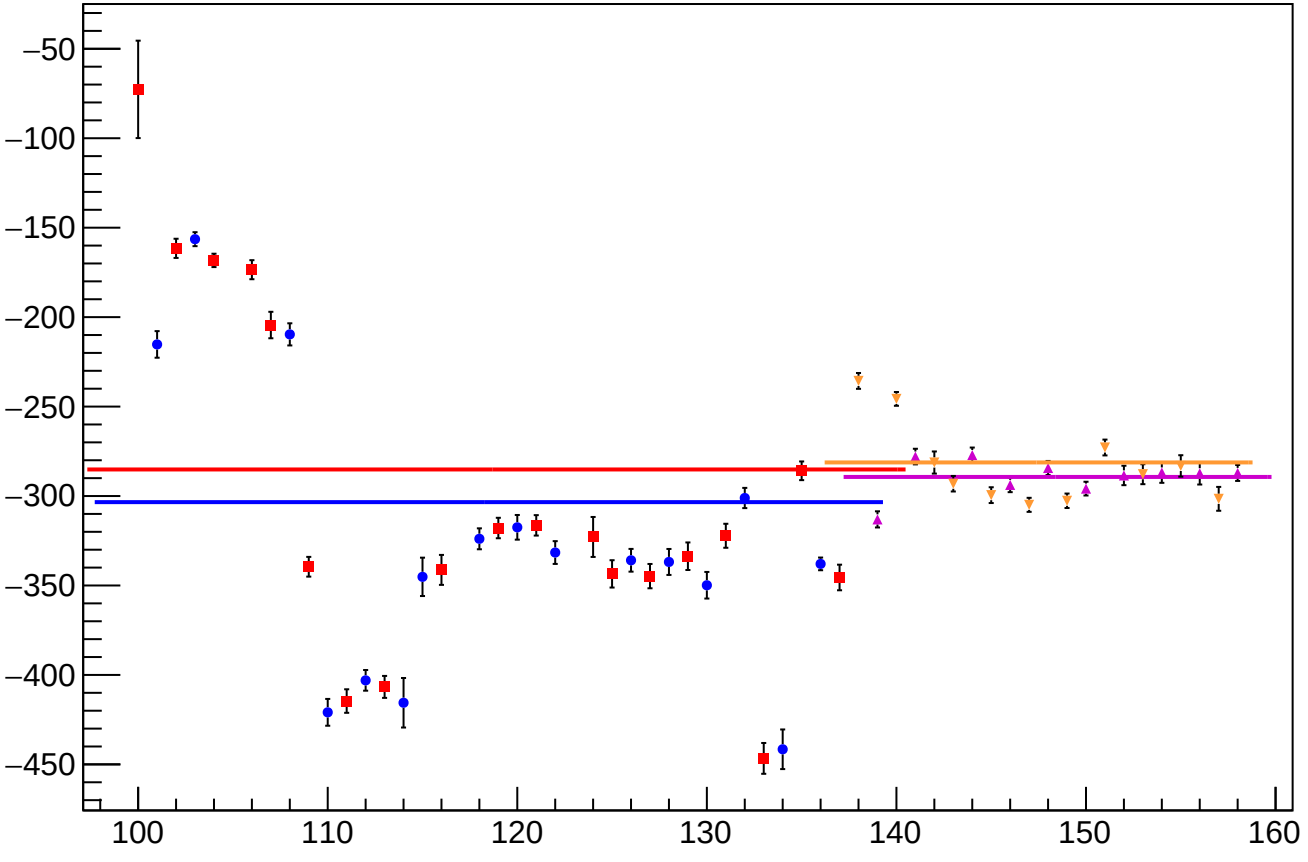
Left In: -5.696+/-0.973 χ^2/NDF:88.2/9

+ sign -2.378+/-0.788 χ^2/NDF: 420.2/26

All: -2.216+/-0.558 χ^2/NDF: 838.2/55

- sign -2.053+/-0.790 χ^2/NDF: 418.0/28

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -281.219+/-1.402 χ^2/NDF:294.7/10

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

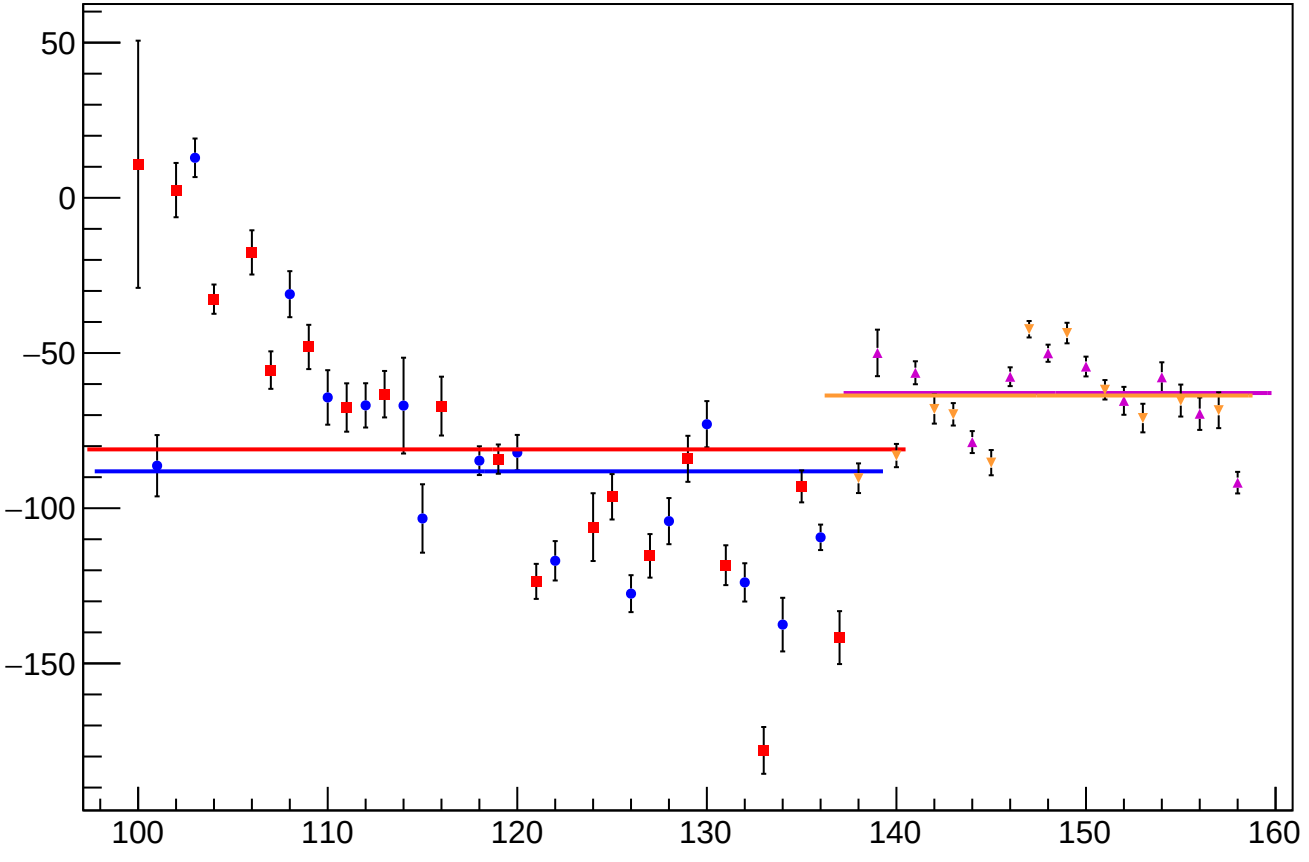
Left In: -289.326+/-1.428 χ^2/NDF:49.1/9

+ sign -291.347+/-1.034 χ^2/NDF: 3194.5/26

All: -289.277+/-0.725 χ^2/NDF: 7010.5/55

- sign -287.270+/-1.018 χ^2/NDF: 3808.1/28

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -63.689+/-1.157 χ^2/NDF:195.1/10

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

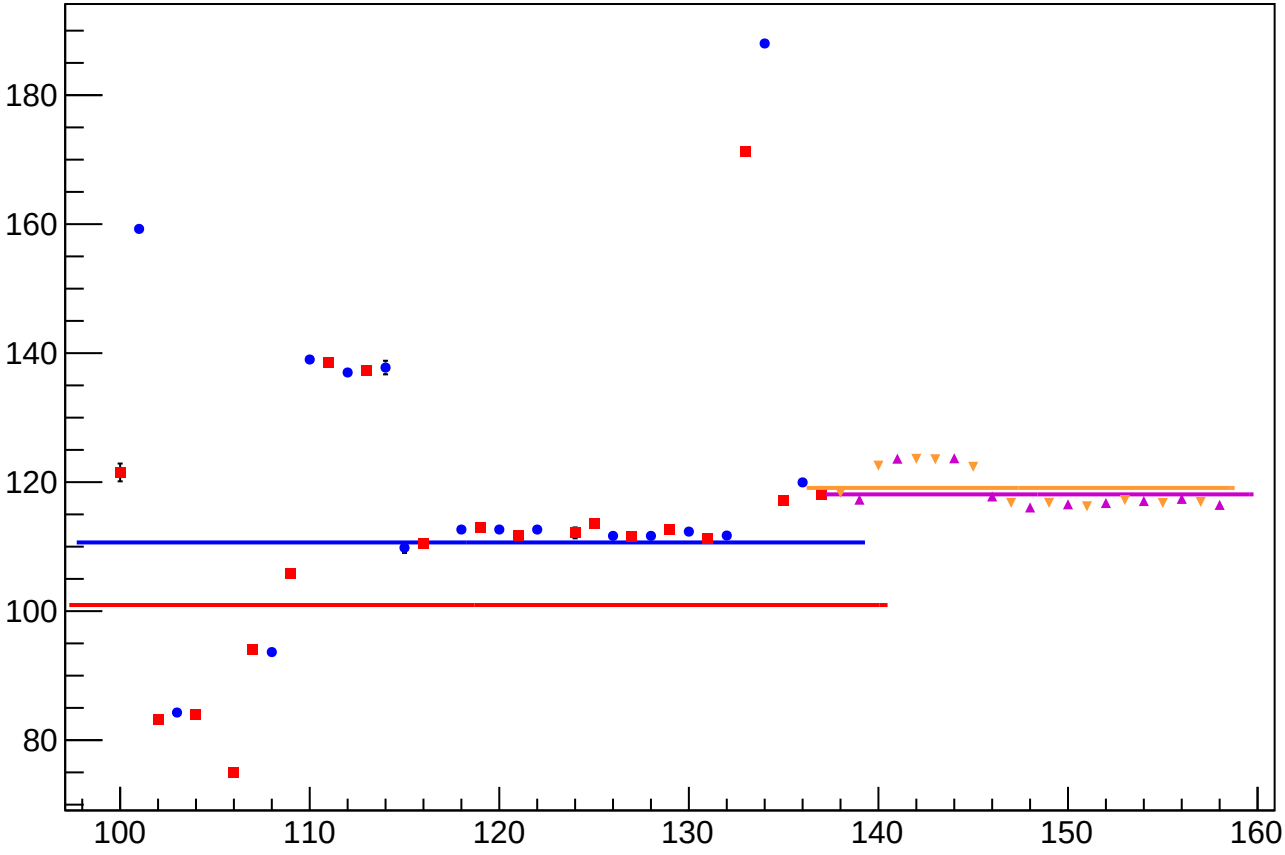
Left In: -62.890+/-1.177 χ^2/NDF:129.9/9

+ sign -71.707+/-0.948 χ^2/NDF: 853.4/26

All: -70.562+/-0.668 χ^2/NDF: 1749.4/55

- sign -69.432+/-0.942 χ^2/NDF: 893.1/28

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 119.107+/-0.056 χ^2/NDF:2651.1/10

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

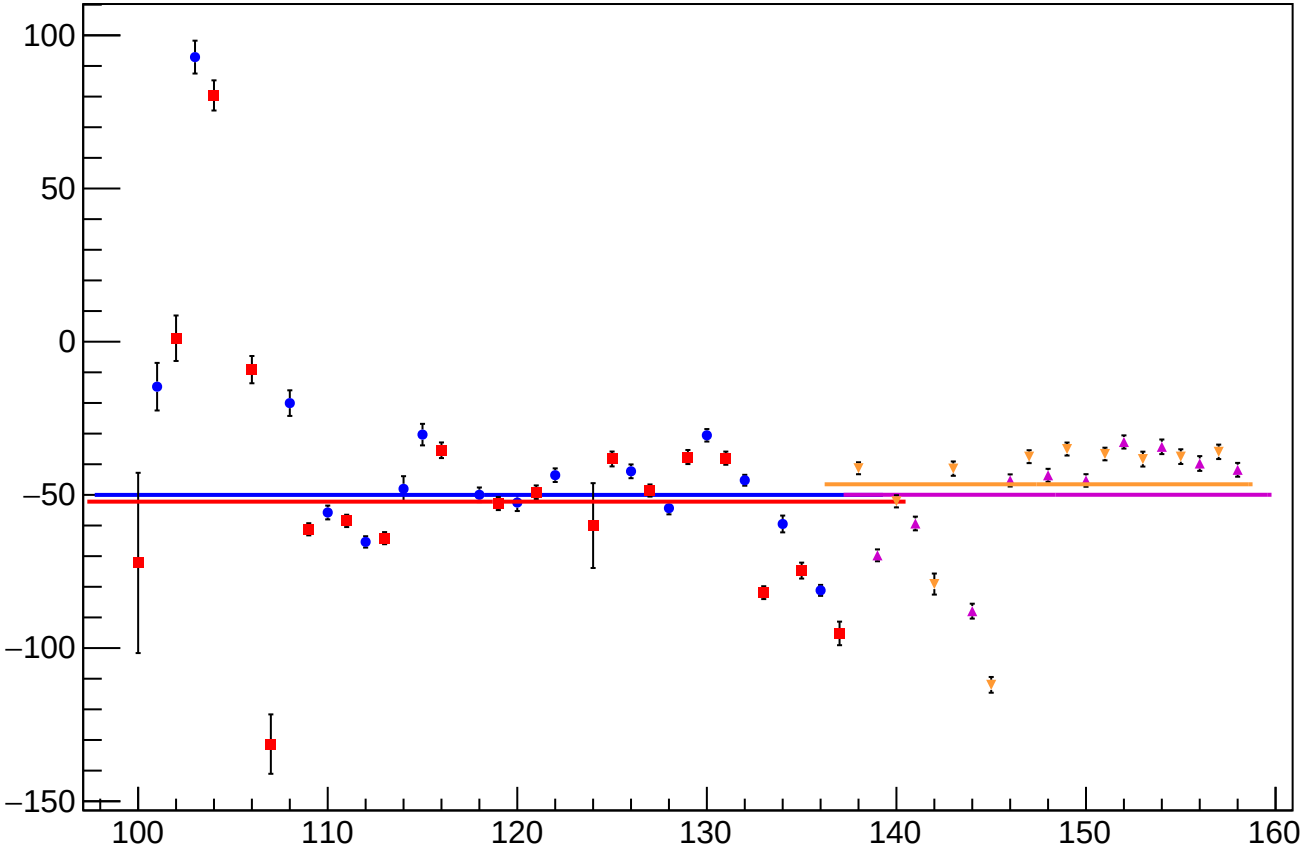
Left In: 118.104+/-0.055 χ^2/NDF:2327.8/9

+ sign 116.571+/-0.047 χ^2/NDF: 92969.2/26

All: 114.563+/-0.033 χ^2/NDF: 191528.6/55

- sign 112.679+/-0.046 χ^2/NDF: 95023.0/28

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -46.542+/-0.684 χ^2/NDF:873.3/10

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

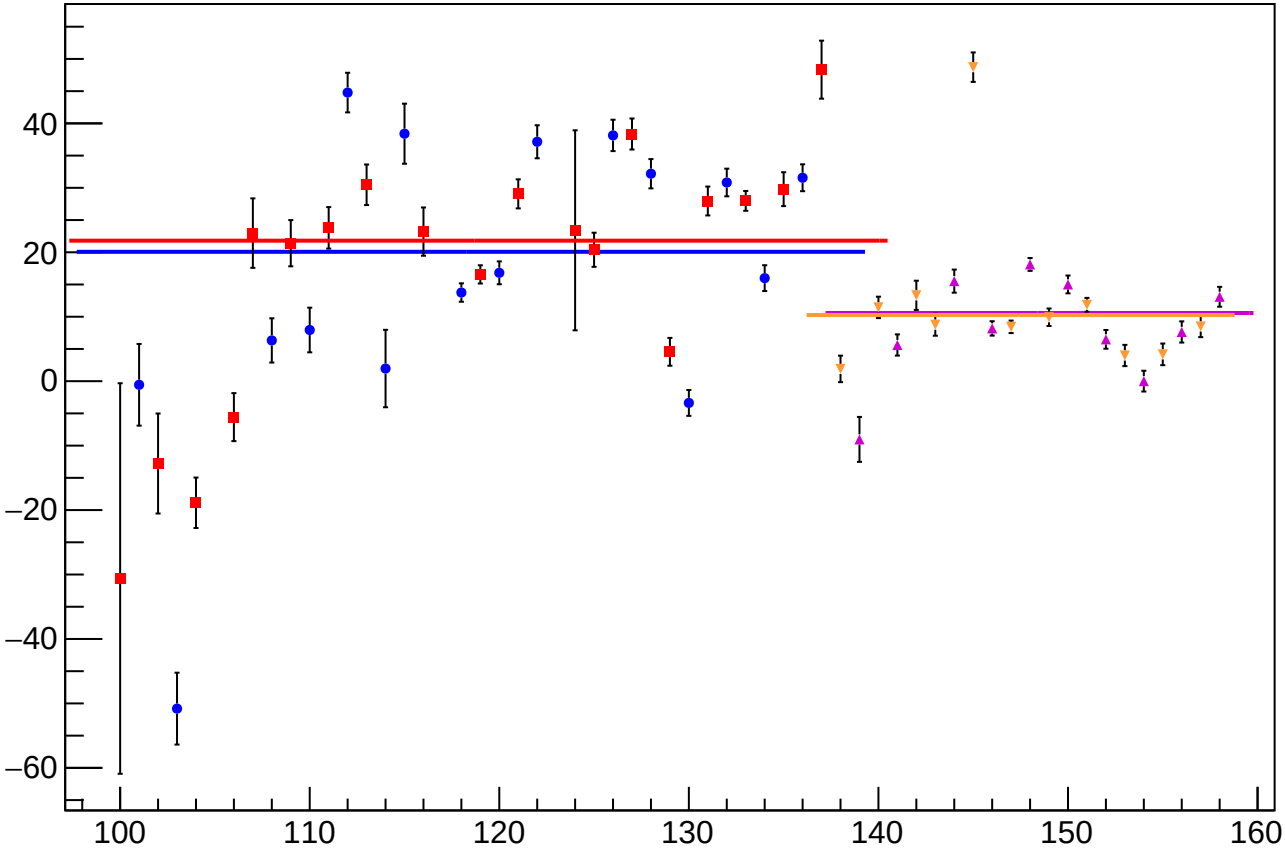
Left In: -49.966+/-0.689 χ^2/NDF:522.9/9

\+ sign -48.473+/-0.455 χ^2/NDF: 2214.9/26

All: -49.855+/-0.322 χ^2/NDF: 4332.5/55

\- sign -51.231+/-0.455 χ^2/NDF: 2099.2/28

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 10.264+/-0.452 χ^2/NDF:337.5/10

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

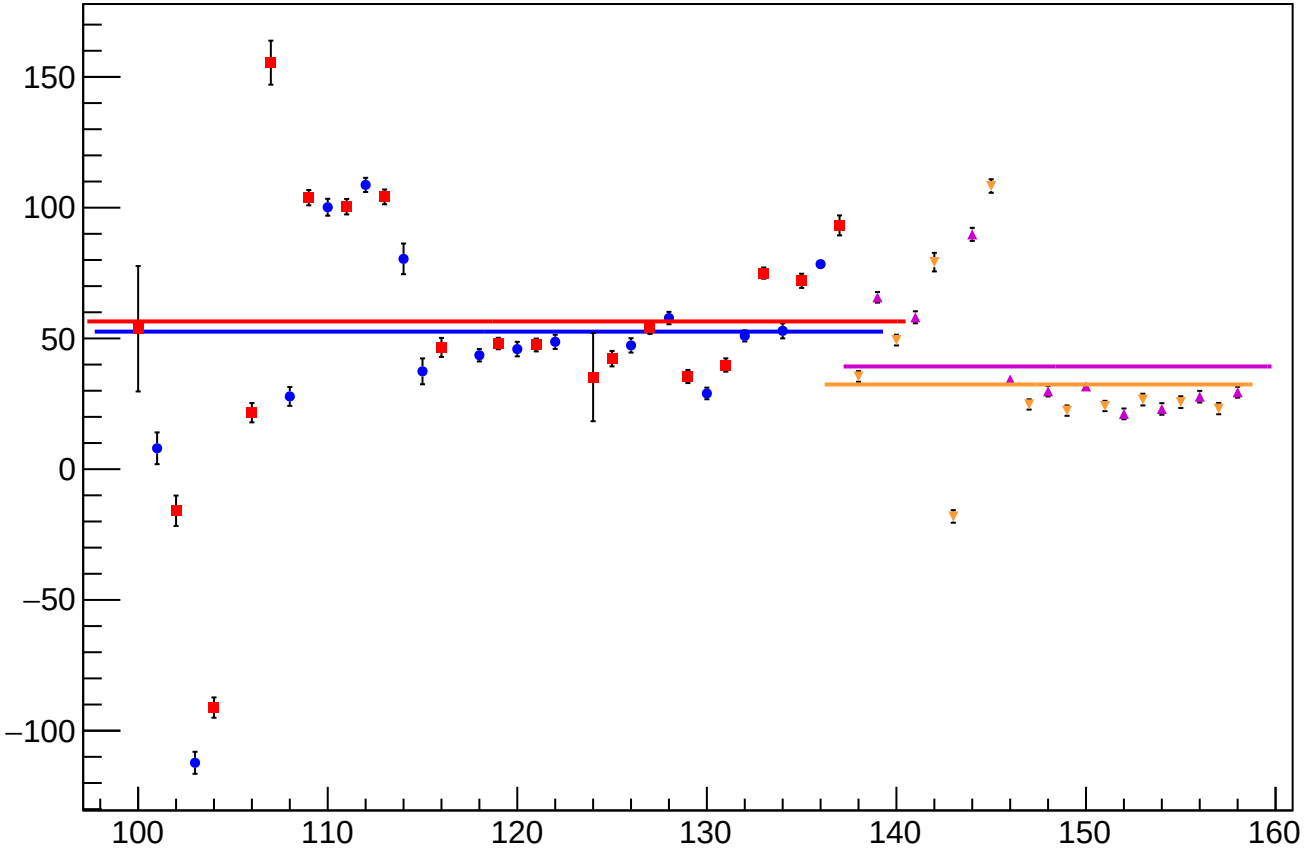
Left In: 10.583+/-0.459 χ^2/NDF:177.1/9

\+ sign 13.731+/-0.364 χ^2/NDF: 1139.8/26

All: 14.129+/-0.259 χ^2/NDF: 1926.1/55

\- sign 14.539+/-0.369 χ^2/NDF: 783.9/28

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 32.392+/-0.665 χ^2/NDF:1630.2/10

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

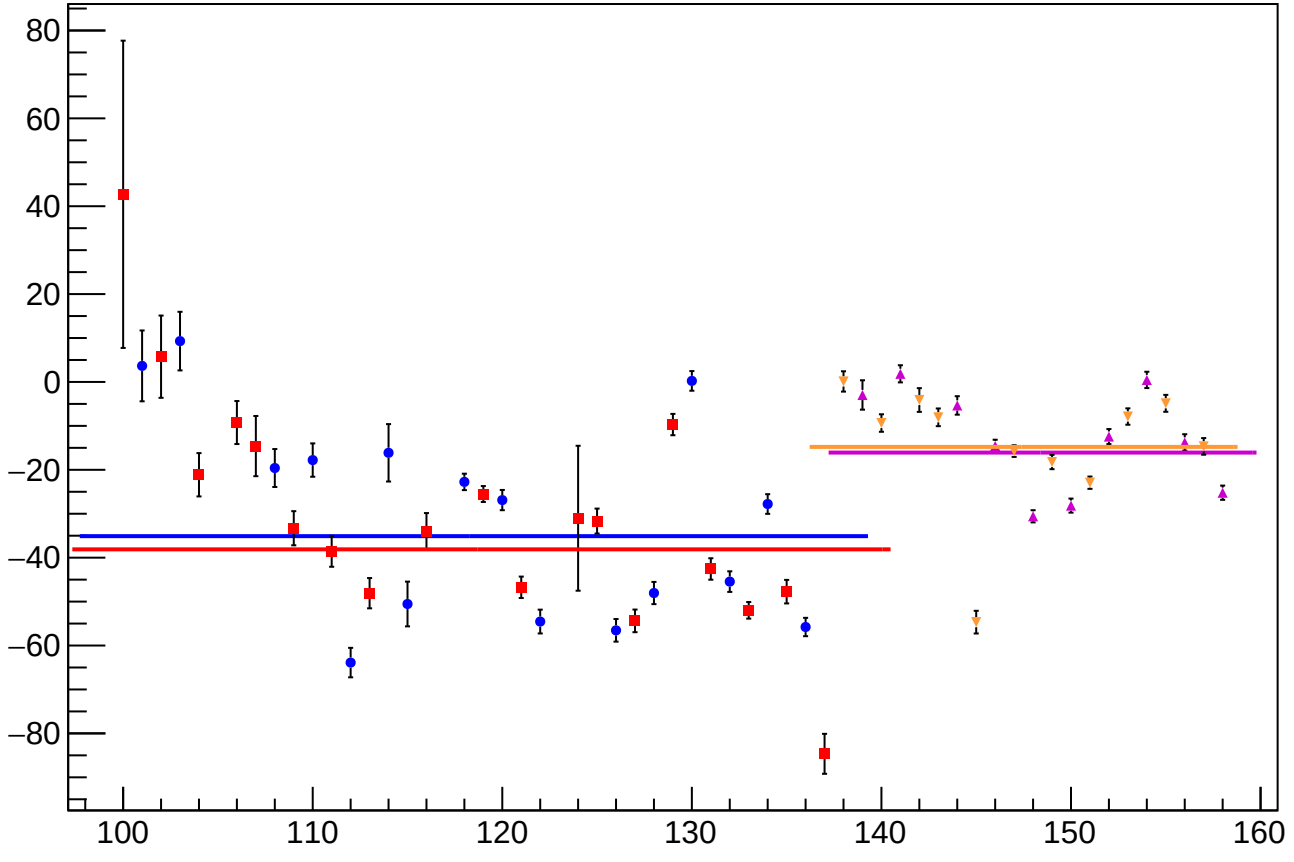
Left In: 39.282+/-0.664 χ^2/NDF:871.0/9

+ sign 42.036+/-0.481 χ^2/NDF: 4730.2/26

All: 44.688+/-0.341 χ^2/NDF: 8943.8/55

- sign 47.367+/-0.483 χ^2/NDF: 4152.5/28

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -35.104+/-0.700 χ^2/NDF: 773.2/15

Left Out: -14.785+/-0.554 χ^2/NDF:393.3/10

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

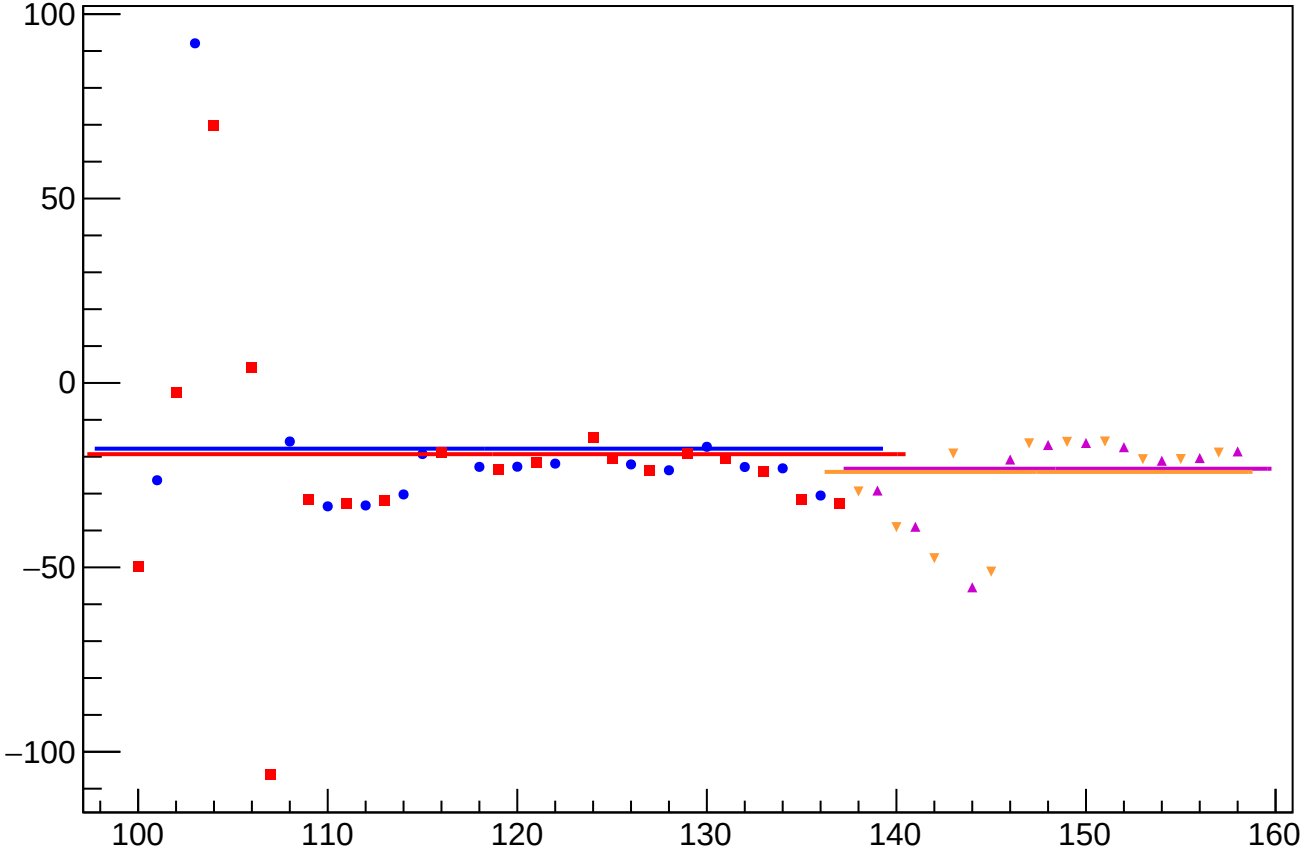
Left In: -16.077+/-0.552 χ^2/NDF:410.4/9

+ sign -22.603+/-0.434 χ^2/NDF: 1684.8/26

All: -23.456+/-0.308 χ^2/NDF: 3213.8/55

- sign -24.318+/-0.437 χ^2/NDF: 1521.3/28

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -24.112+/-0.026 χ^2/NDF:168542.8/10

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

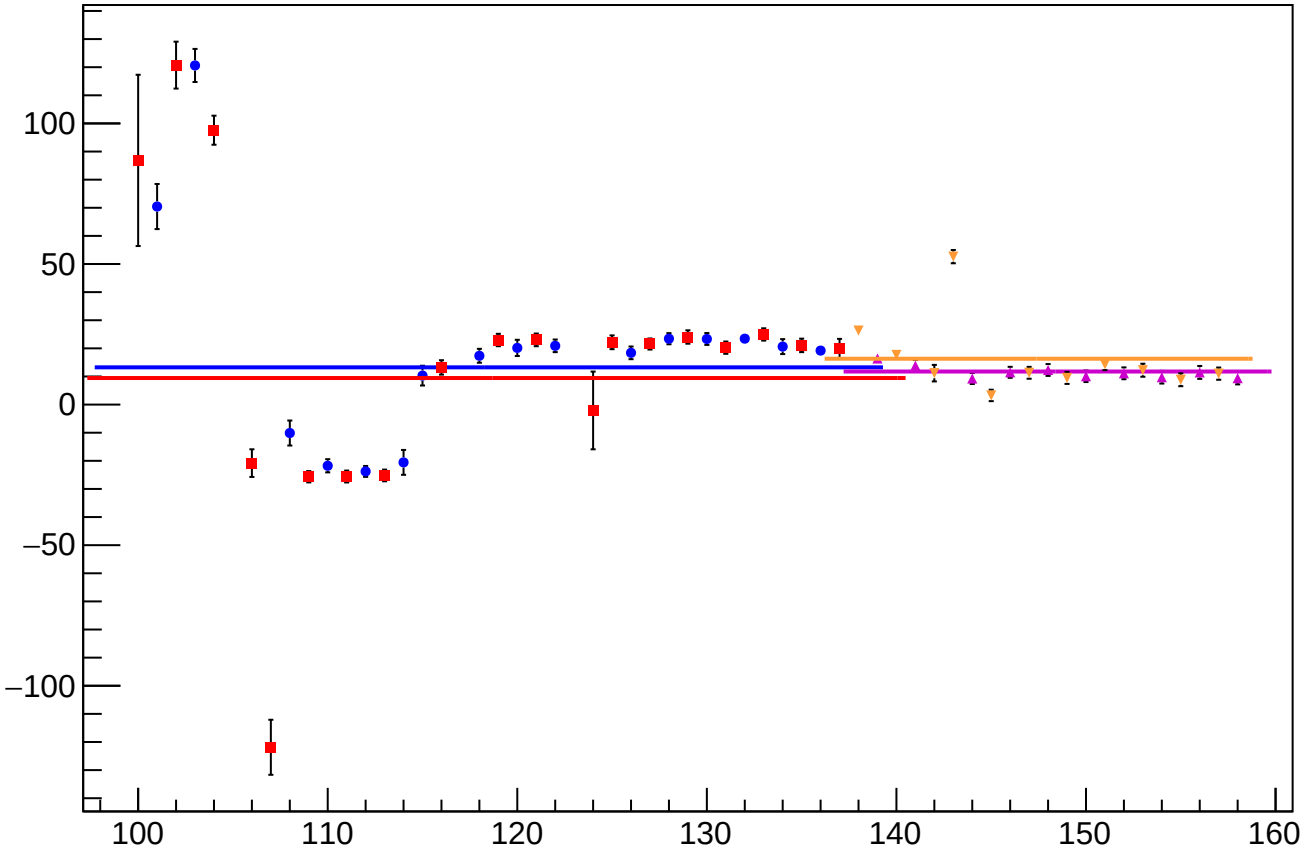
Left In: -23.258+/-0.025 χ^2/NDF:145236.0/9

+ sign -22.466+/-0.022 χ^2/NDF: 610305.0/26

All: -22.415+/-0.016 χ^2/NDF: 1105853.3/55

- sign -22.364+/-0.022 χ^2/NDF: 495537.6/28

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 16.311+/-0.640 χ^2/NDF:349.3/10

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

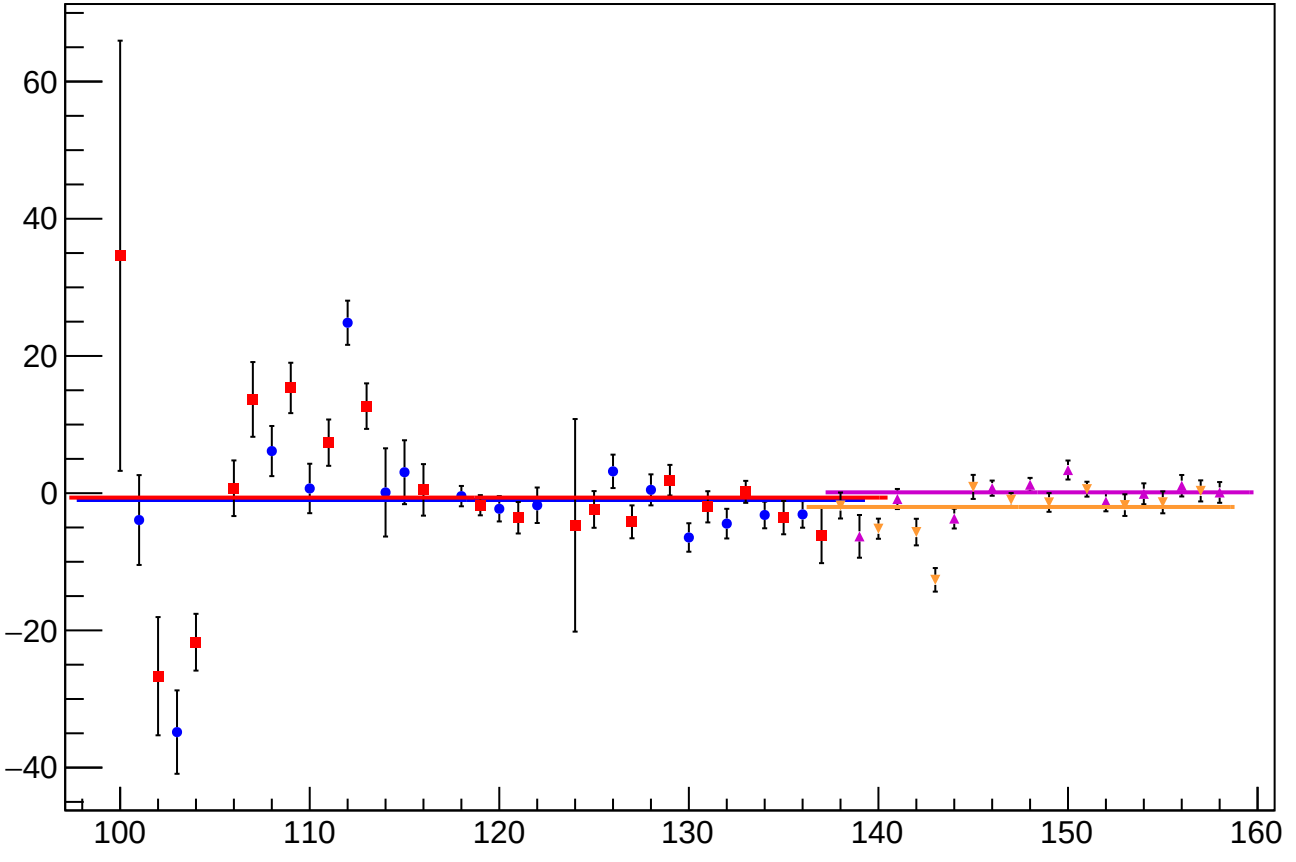
Left In: 11.763+/-0.647 χ^2/NDF:12.8/9

+ sign 14.718+/-0.443 χ^2/NDF: 1543.7/26

All: 12.644+/-0.314 χ^2/NDF: 3443.8/55

- sign 10.549+/-0.446 χ^2/NDF: 1856.1/28

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -2.011+/-0.433 χ^2/NDF:58.9/10

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

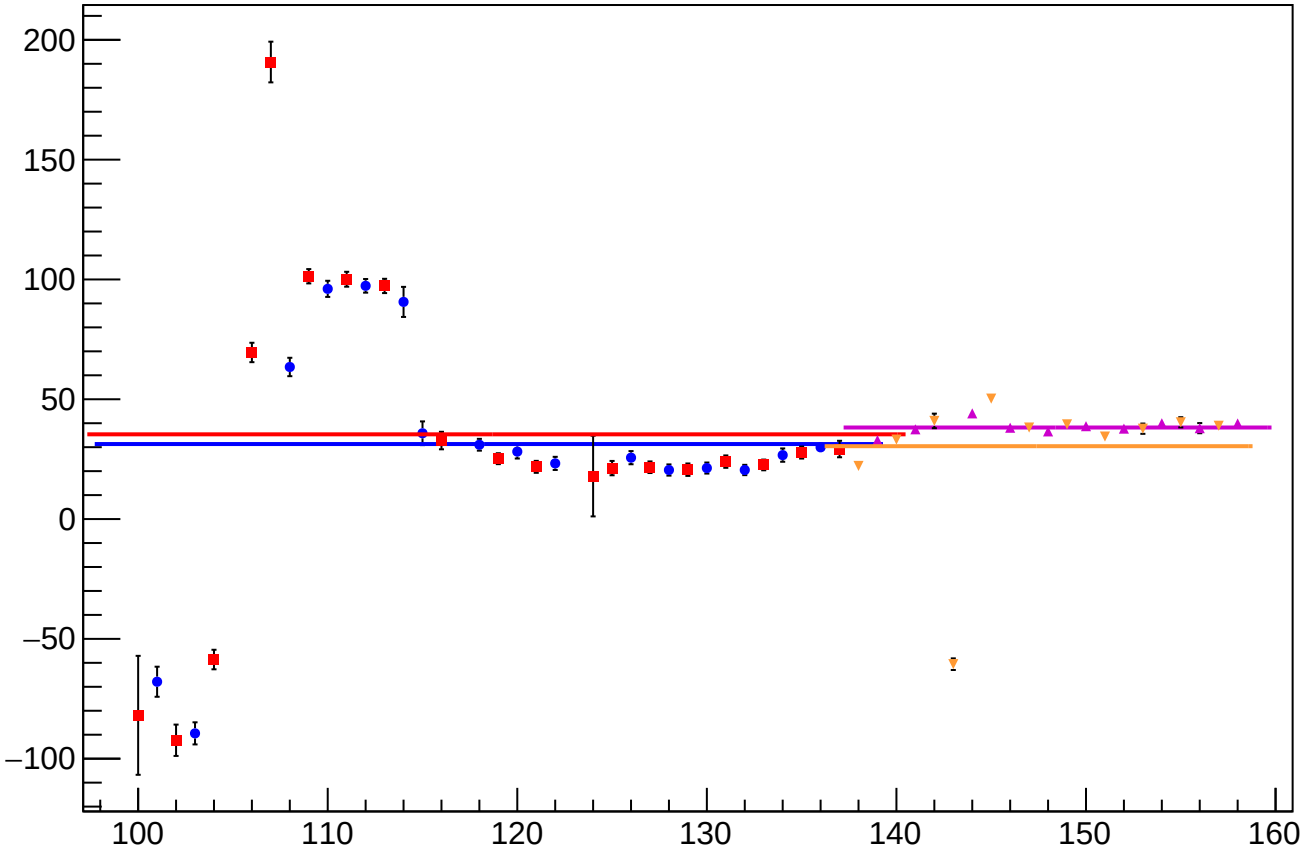
Left In: 0.122+/-0.440 χ^2/NDF:20.0/9

+ sign -1.677+/-0.355 χ^2/NDF: 177.0/26

All: -0.916+/-0.253 χ^2/NDF: 301.6/55

- sign -0.126+/-0.362 χ^2/NDF: 115.2/28

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 30.414+/-0.625 χ^2/NDF:1623.0/10

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

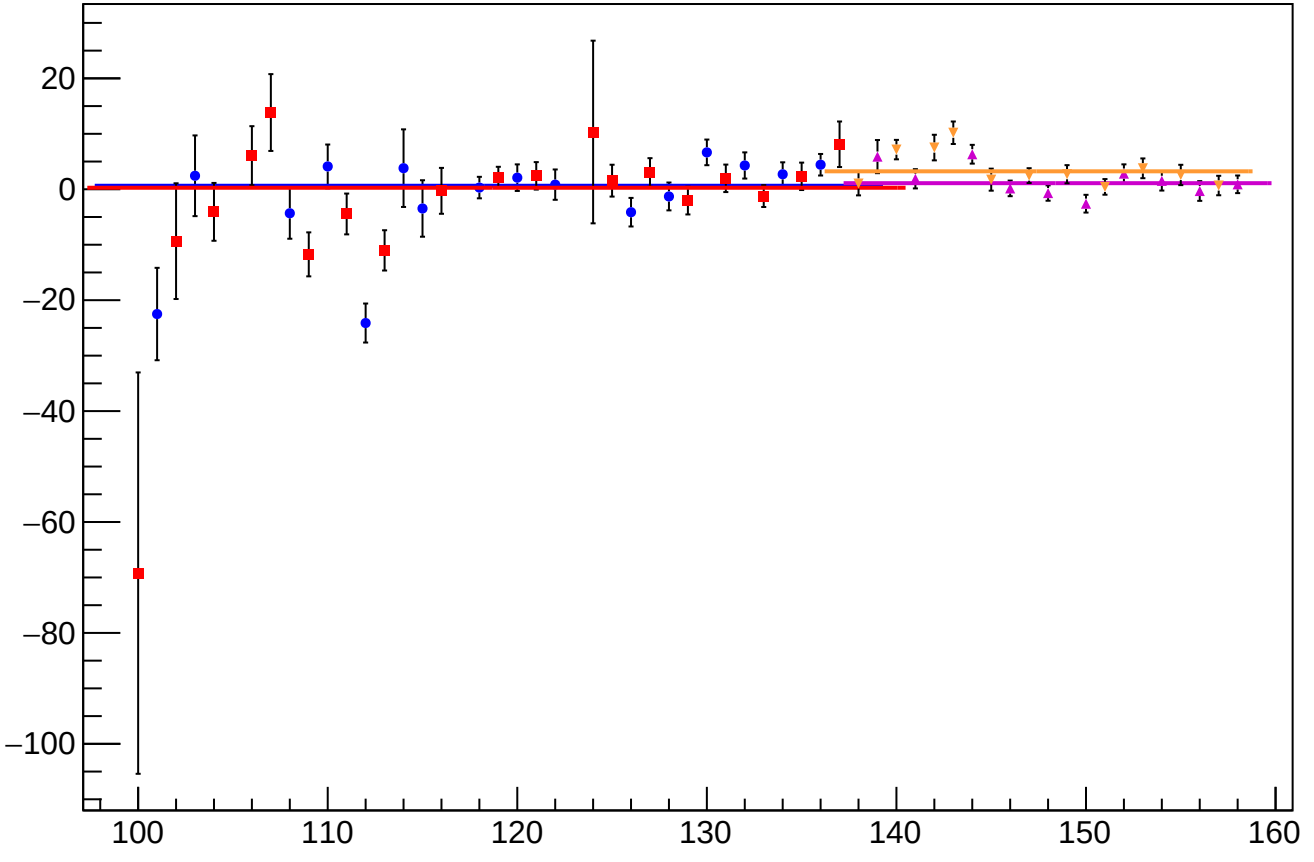
Left In: 38.211+/-0.626 χ^2/NDF:19.5/9

\+ sign 30.812+/-0.466 χ^2/NDF: 3709.8/26

All: 33.862+/-0.332 χ^2/NDF: 6722.4/55

\- sign 36.981+/-0.472 χ^2/NDF: 2926.1/28

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 3.237+/-0.527 χ^2/NDF:28.6/10

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

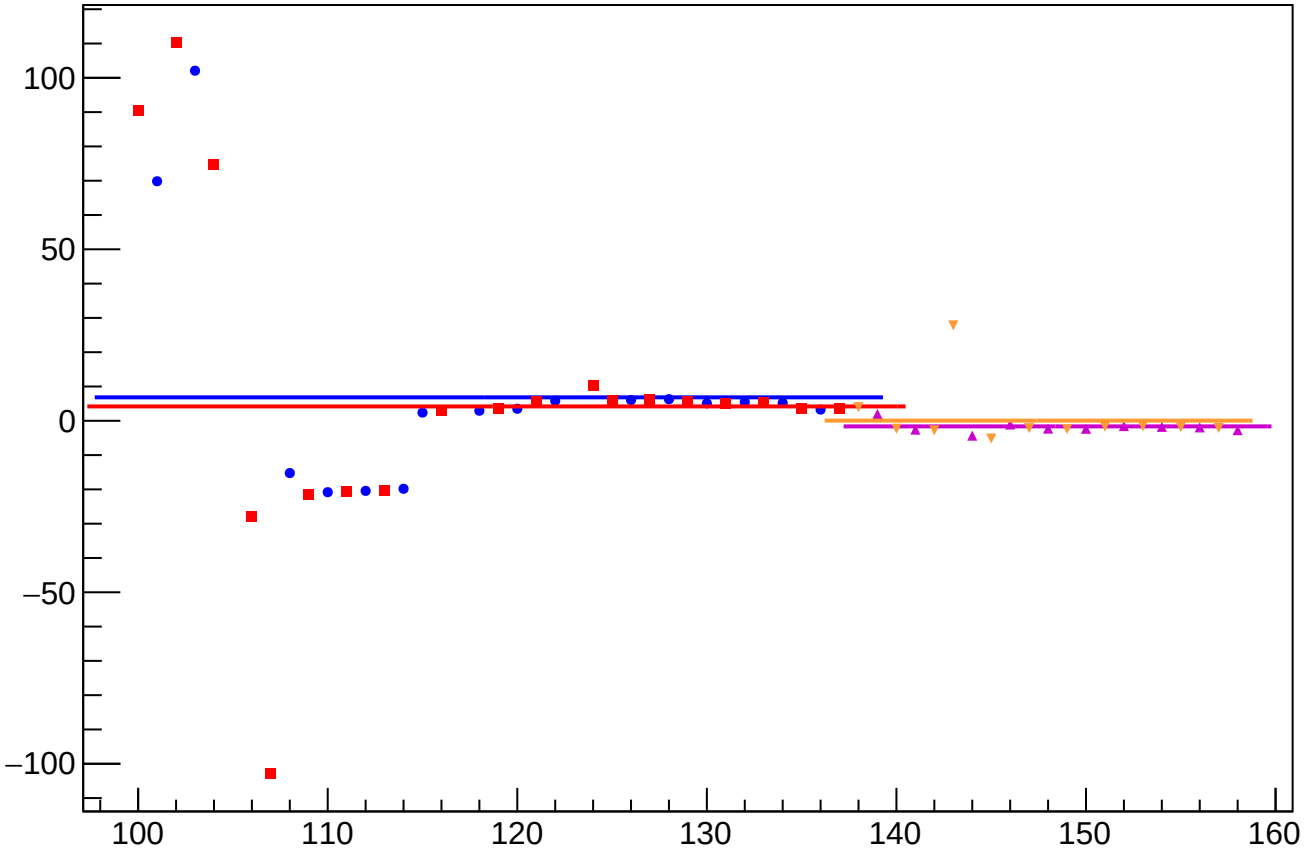
Left In: 1.099+/-0.526 χ^2/NDF:21.5/9

+ sign 2.303+/-0.422 χ^2/NDF: 115.8/26

All: 1.567+/-0.300 χ^2/NDF: 184.8/55

- sign 0.815+/-0.426 χ^2/NDF: 62.8/28

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: 0.050+/-0.024 χ^2/NDF:88591.0/10

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

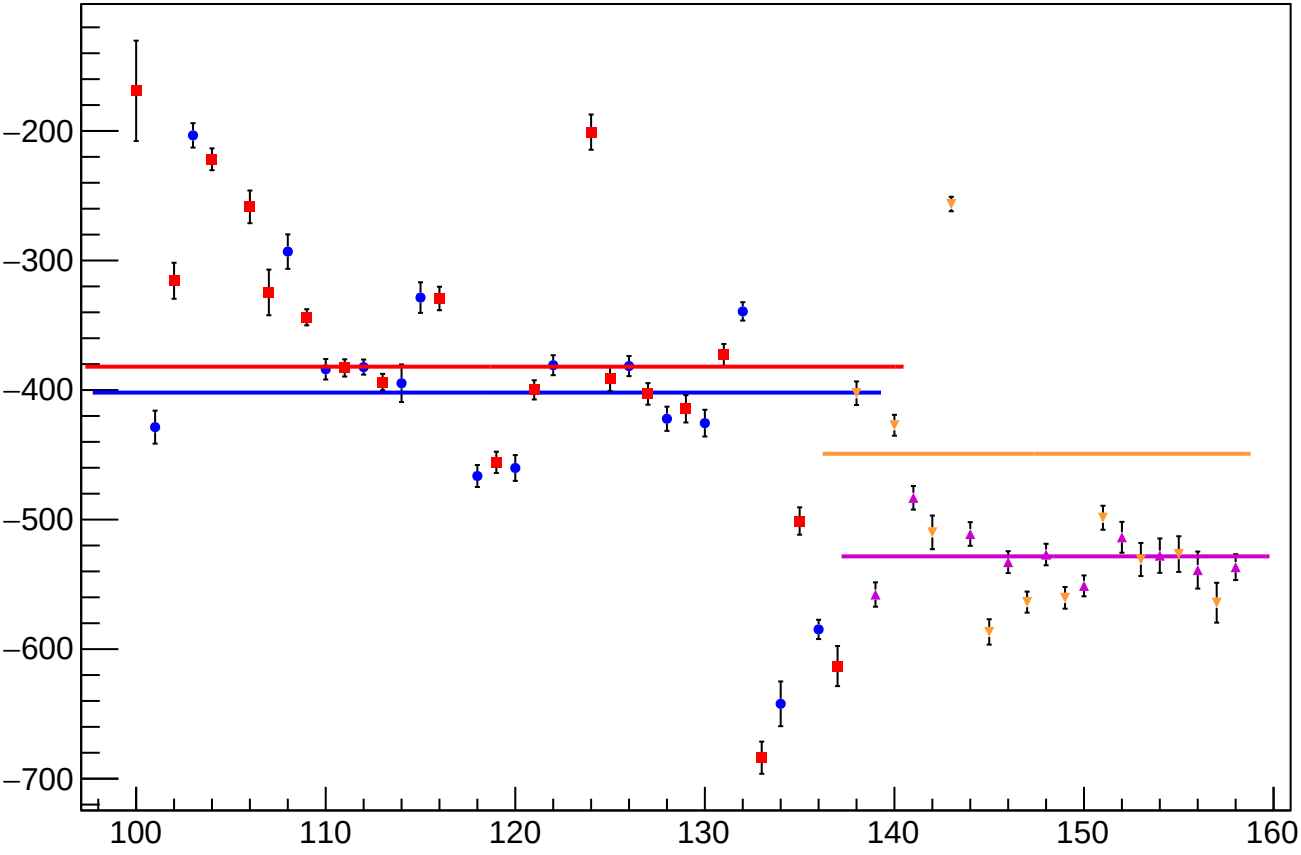
Left In: -1.630+/-0.024 χ^2/NDF:4665.0/9

+ sign 1.686+/-0.021 χ^2/NDF: 428595.4/26

All: 0.626+/-0.015 χ^2/NDF: 885427.7/55

- sign -0.431+/-0.021 χ^2/NDF: 451760.9/28

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -449.181+/-2.748 χ^2/NDF:1975.0/10

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

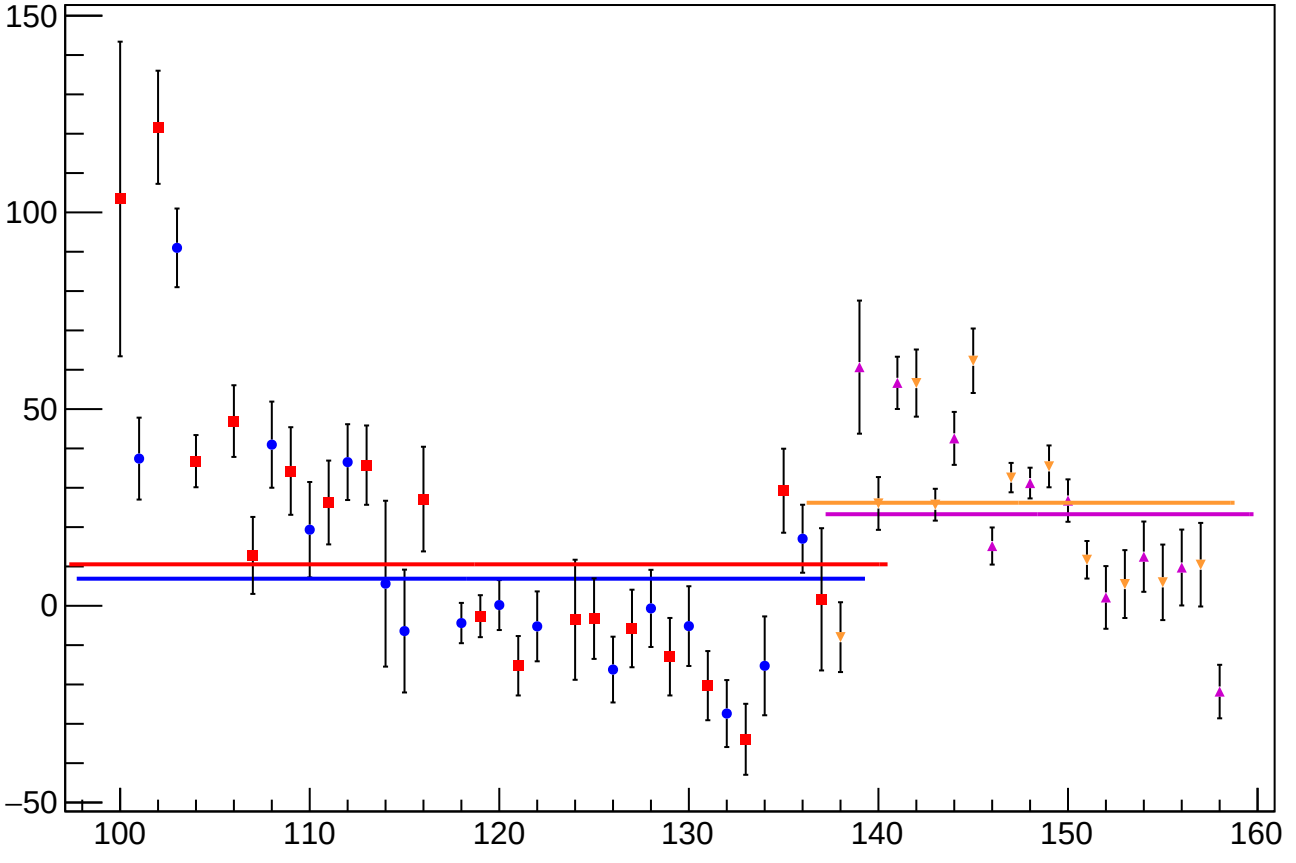
Left In: -528.391+/-3.058 χ^2/NDF:49.1/9

+ sign -420.772+/-1.734 χ^2/NDF: 3715.9/26

All: -425.172+/-1.230 χ^2/NDF: 7142.4/55

- sign -429.623+/-1.745 χ^2/NDF: 3413.6/28

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

Left Out: 26.192+/-1.800 χ^2/NDF:74.5/10

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

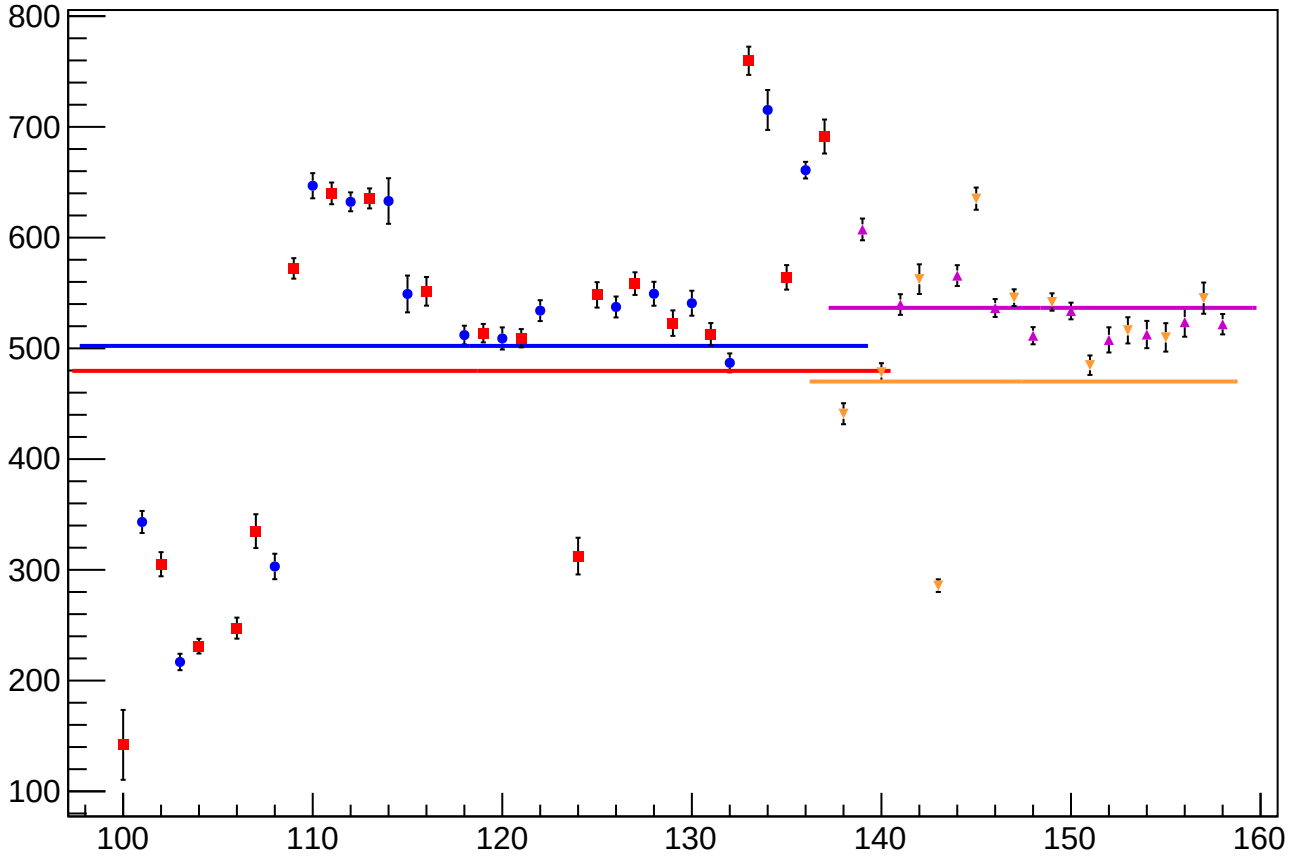
Left In: 23.279+/-1.985 χ^2/NDF:100.2/9

+ sign 18.717+/-1.409 χ^2/NDF: 257.5/26

All: 18.162+/-1.018 χ^2/NDF: 556.5/55

- sign 17.555+/-1.473 χ^2/NDF: 298.7/28

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 470.057+/-2.708 χ^2/NDF:1599.5/10

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

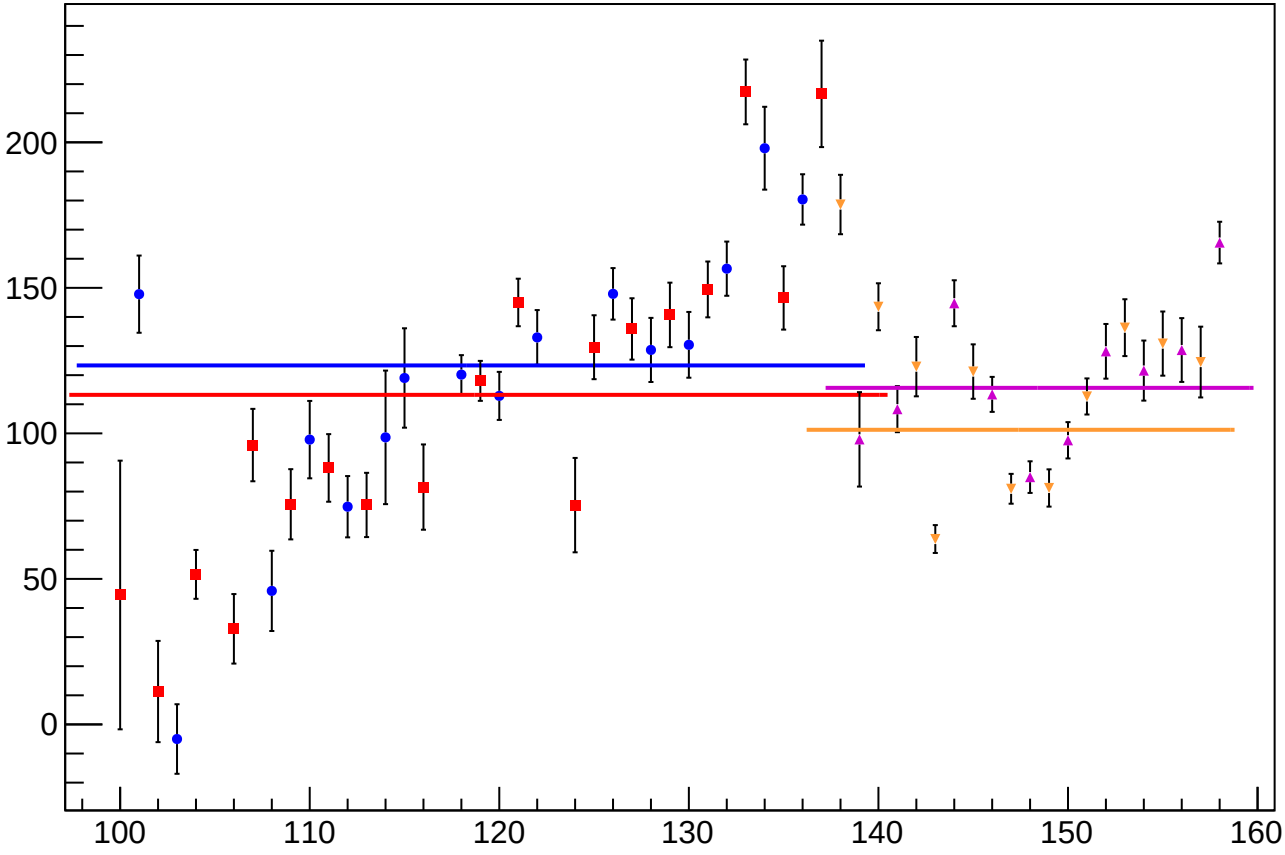
Left In: 536.575+/-2.954 χ^2/NDF:86.3/9

+ sign 487.465+/-1.834 χ^2/NDF: 4811.0/26

All: 494.769+/-1.307 χ^2/NDF: 9291.6/55

- sign 502.298+/-1.862 χ^2/NDF: 4448.4/28

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 101.231+/-2.217 χ^2/NDF:208.1/10

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

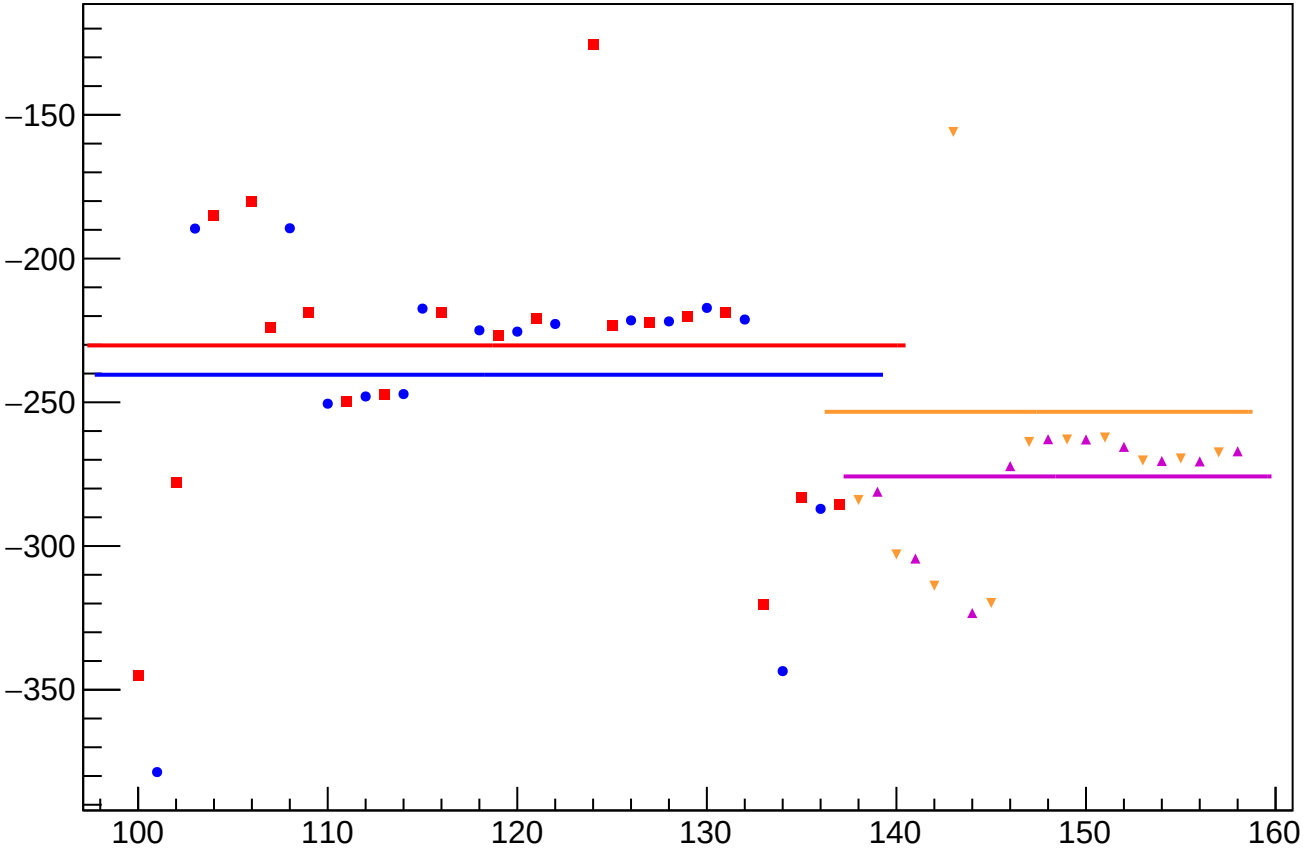
Left In: 115.639+/-2.414 χ^2/NDF:108.1/9

+ sign 110.426+/-1.694 χ^2/NDF: 520.9/26

All: 112.396+/-1.218 χ^2/NDF: 978.0/55

- sign 114.500+/-1.751 χ^2/NDF: 454.3/28

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -253.303+/-0.109 χ^2/NDF:236531.4/10

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

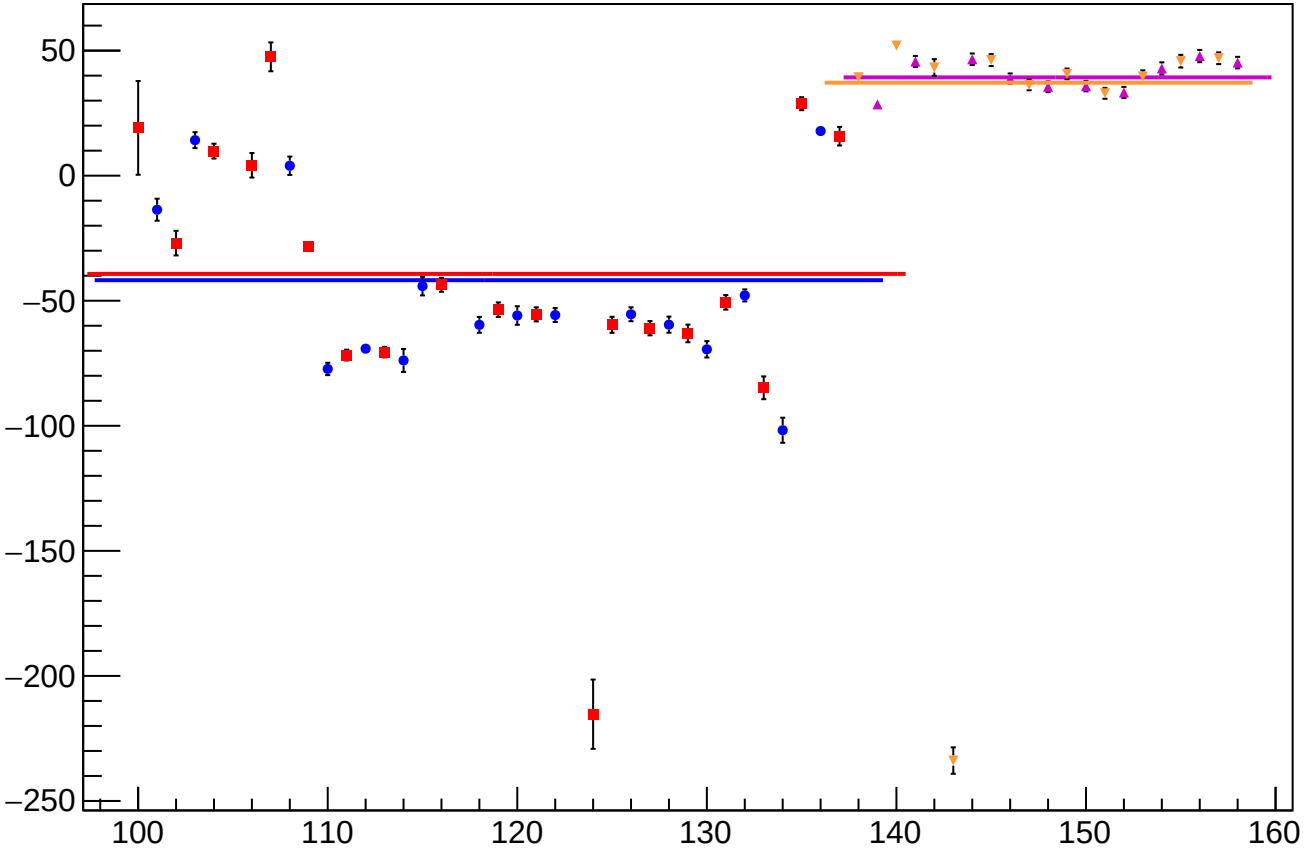
Left In: -275.786+/-0.114 χ^2/NDF:23799.8/9

+ sign -248.847+/-0.089 χ^2/NDF: 375477.5/26

All: -253.633+/-0.063 χ^2/NDF: 548904.1/55

- sign -258.578+/-0.090 χ^2/NDF: 167486.7/28

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 37.172+/-0.715 χ^2/NDF:2737.3/10

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

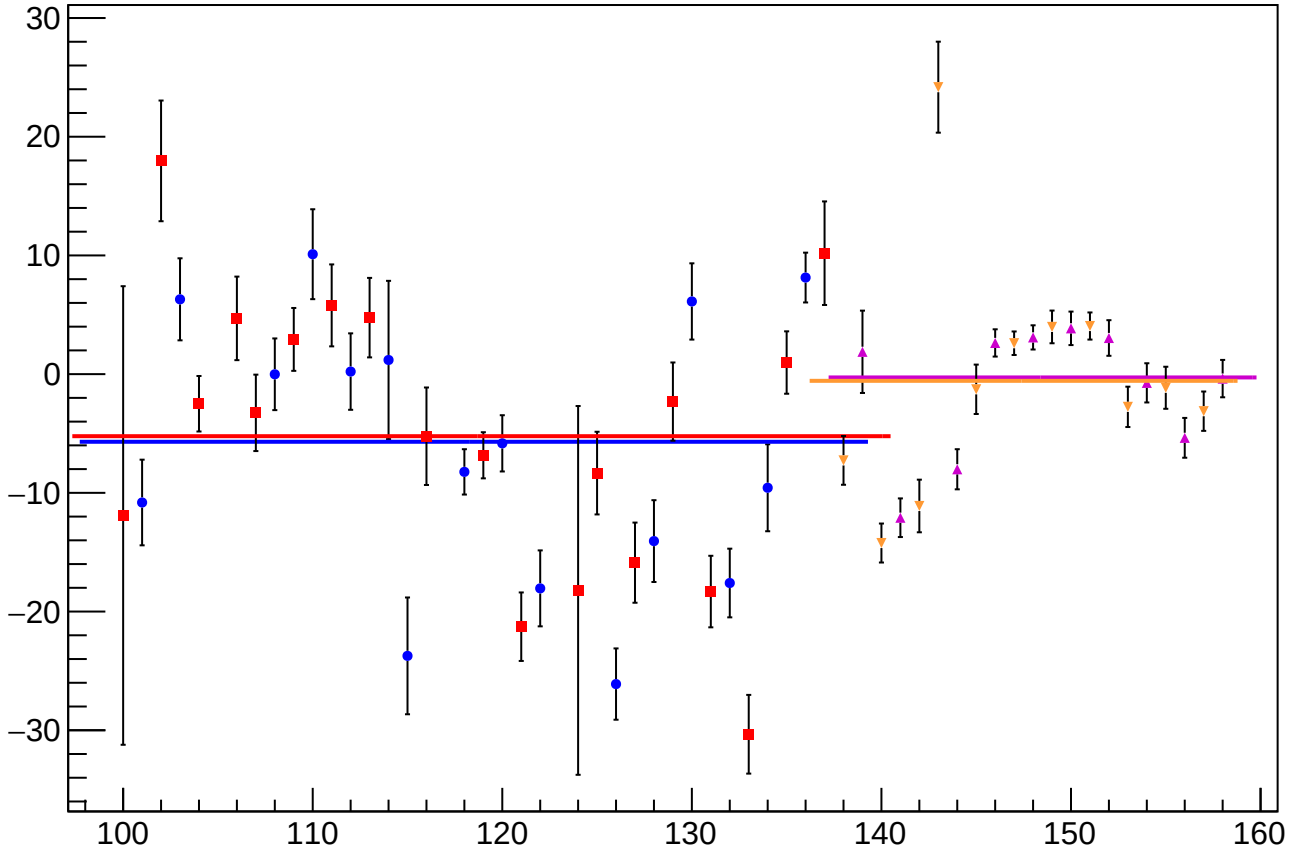
Left In: 39.290+/-0.695 χ^2/NDF:83.7/9

+ sign -1.839+/-0.508 χ^2/NDF: 11175.1/26

All: -1.341+/-0.351 χ^2/NDF: 20265.2/55

- sign -0.887+/-0.486 χ^2/NDF: 9088.3/28

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

Left Out: -0.564+/-0.474 χ^2/NDF:185.9/10

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

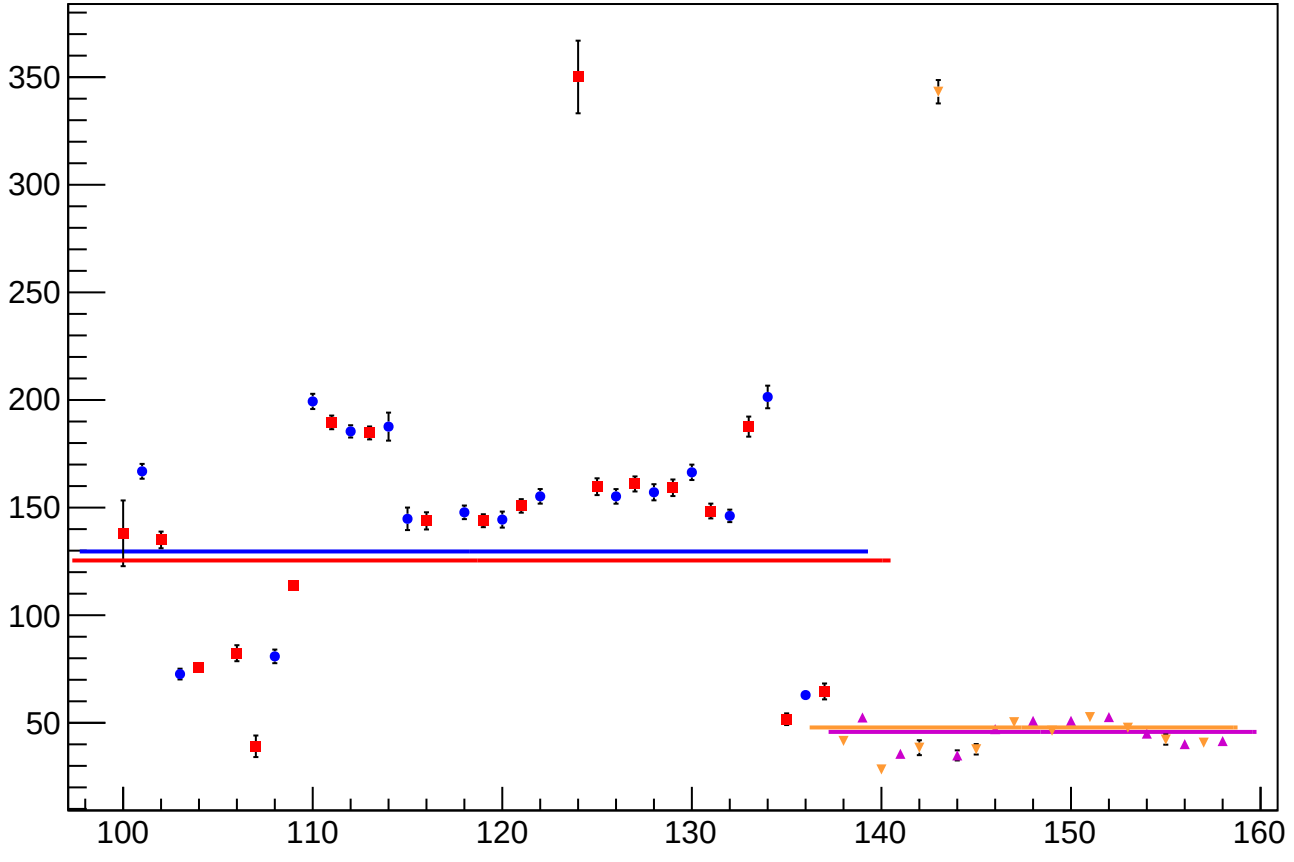
Left In: -0.279+/-0.466 χ^2/NDF:114.2/9

+ sign -2.020+/-0.401 χ^2/NDF: 415.9/26

All: -1.849+/-0.281 χ^2/NDF: 759.8/55

- sign -1.684+/-0.394 χ^2/NDF: 343.6/28

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 47.847+/-0.694 χ^2/NDF:3100.4/10

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

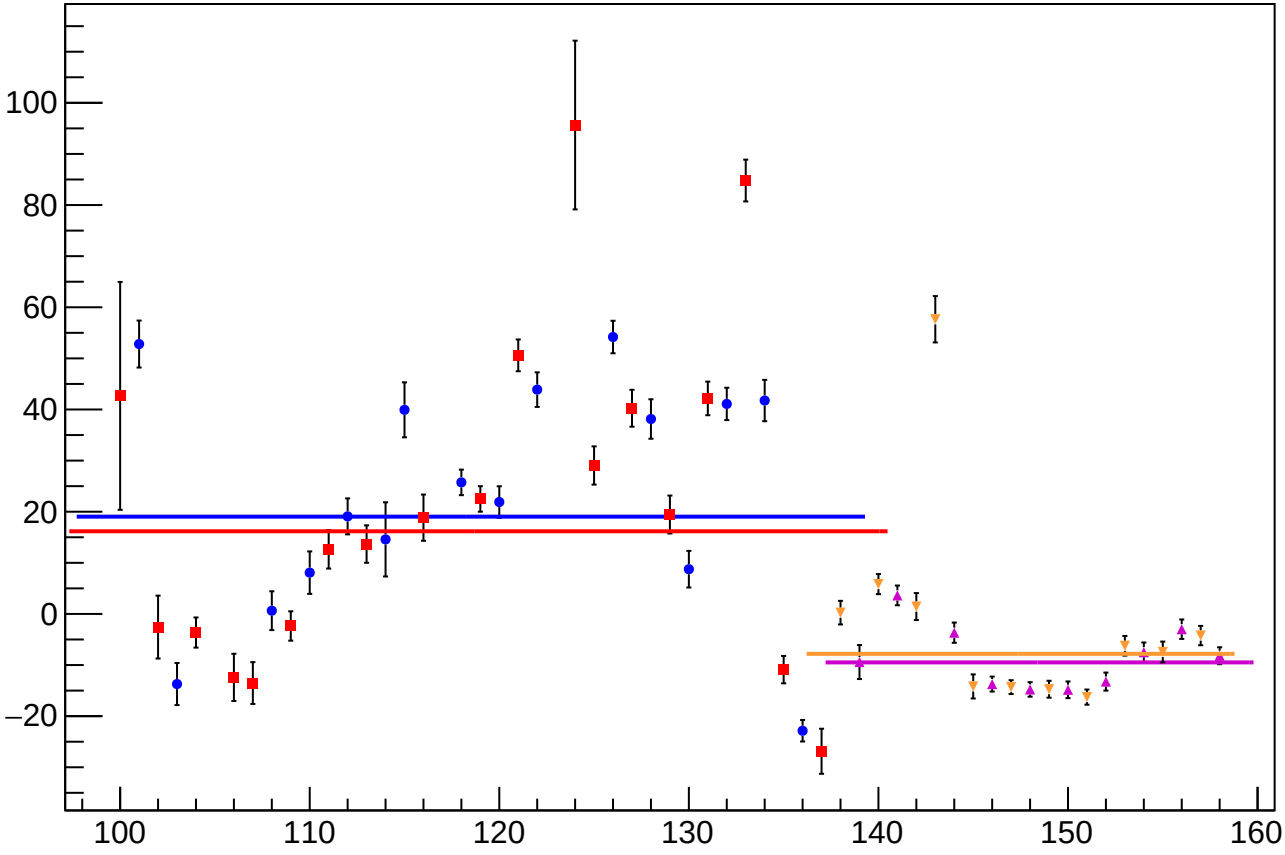
Left In: 45.777+/-0.671 χ^2/NDF:87.4/9

+ sign 82.909+/-0.524 χ^2/NDF: 12683.9/26

All: 81.001+/-0.366 χ^2/NDF: 22206.5/55

- sign 79.185+/-0.511 χ^2/NDF: 9496.7/28

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: -7.808+/-0.580 χ^2/NDF:365.8/10

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

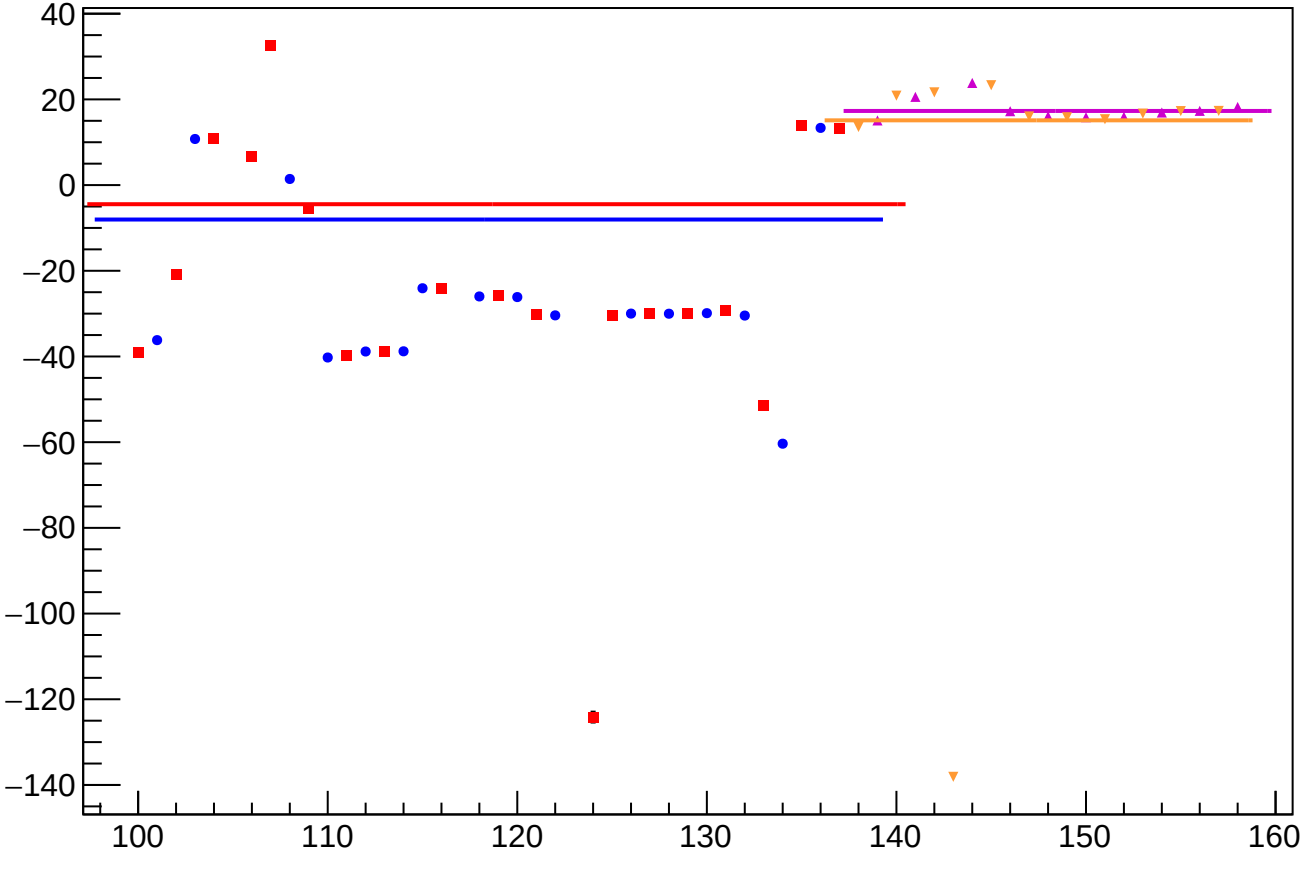
Left In: -9.482+/-0.560 χ^2/NDF:105.7/9

+ sign 0.584+/-0.481 χ^2/NDF: 1893.6/26

All: -0.576+/-0.335 χ^2/NDF: 3591.6/55

- sign -1.670+/-0.467 χ^2/NDF: 1686.6/28

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 15.111+/-0.027 χ^2/NDF:473752.5/10

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

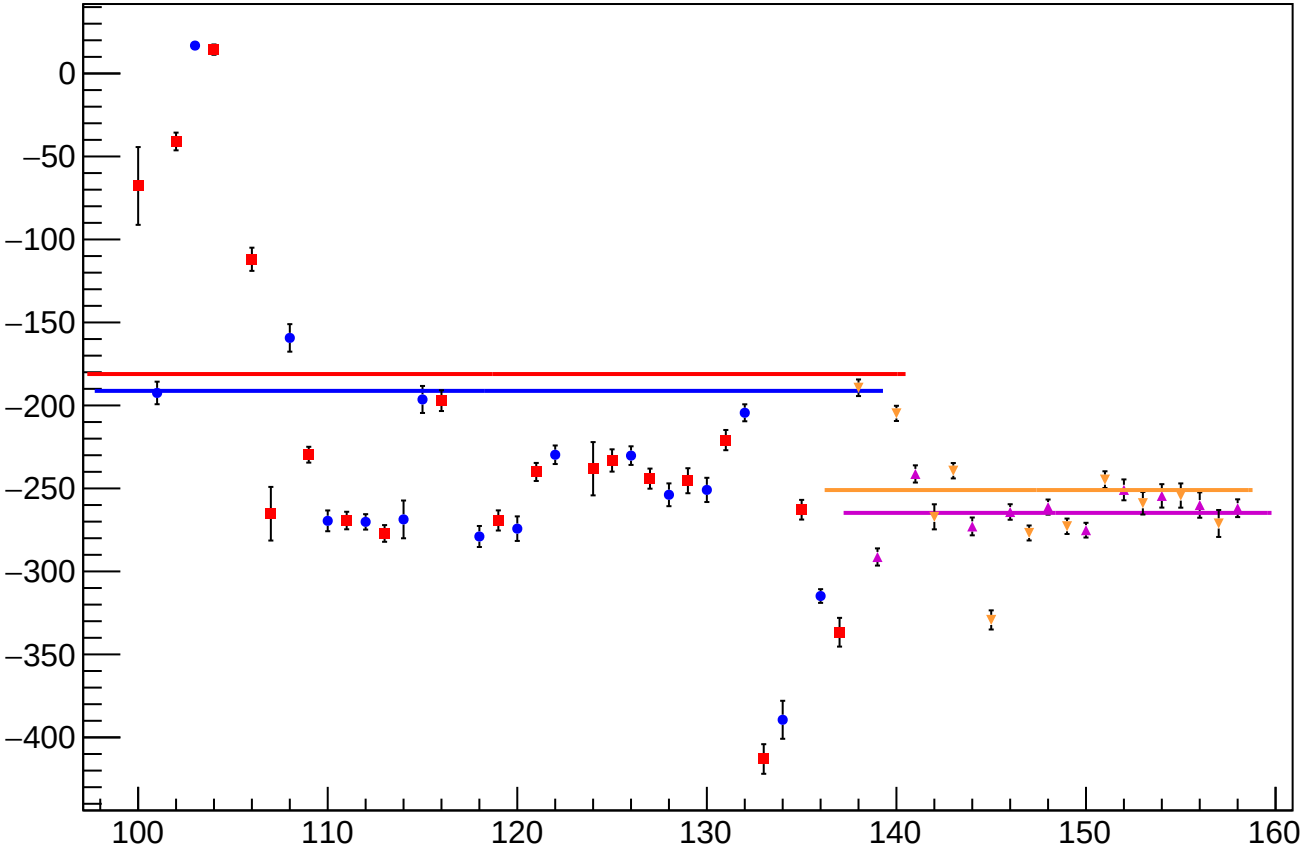
Left In: 17.300+/-0.025 χ^2/NDF:7134.1/9

+ sign 9.229+/-0.023 χ^2/NDF: 931954.3/26

All: 10.870+/-0.016 χ^2/NDF: 1344656.2/55

- sign 12.390+/-0.022 χ^2/NDF: 402983.4/28

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -250.981+/-1.639 χ^2/NDF:512.7/10

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

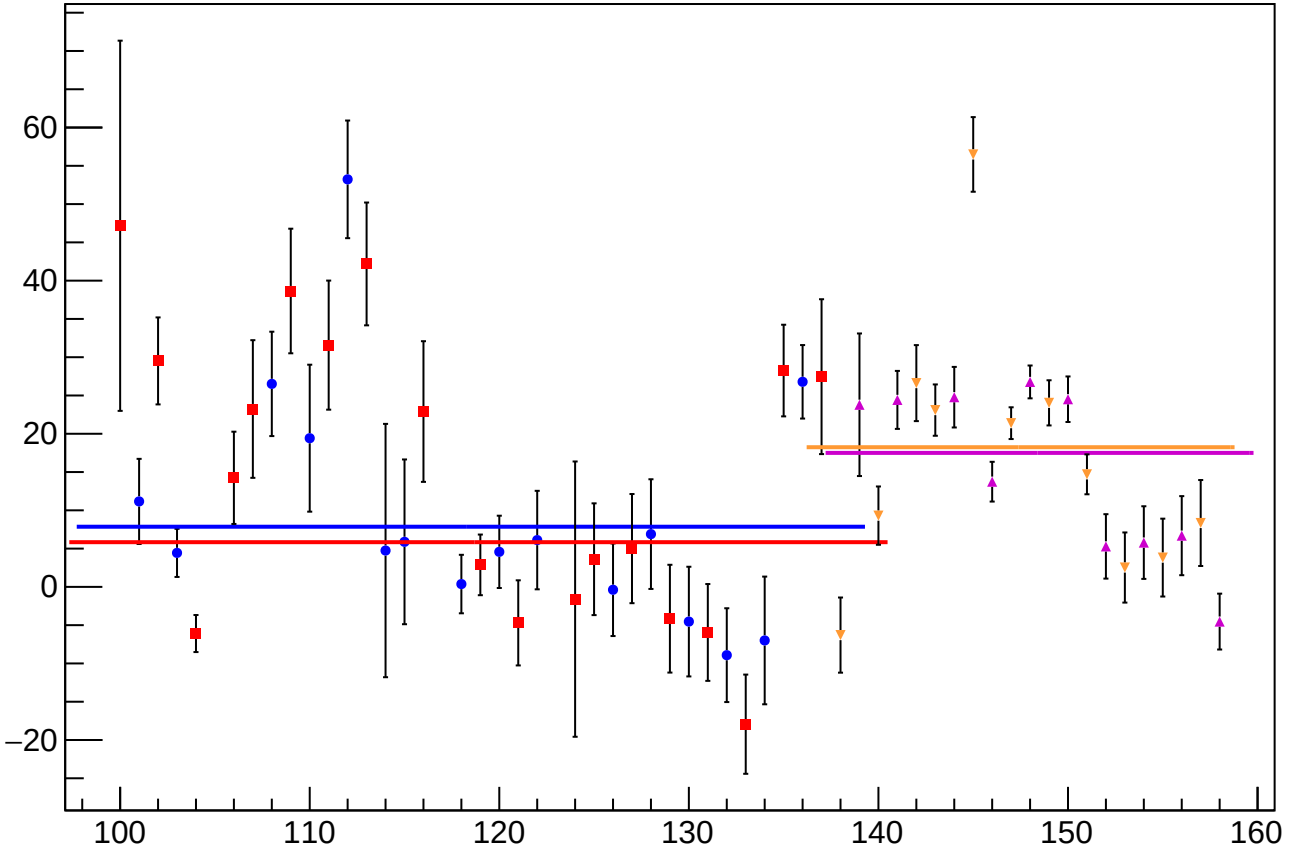
Left In: -264.733+/-1.687 χ^2/NDF:62.8/9

+ sign -216.818+/-1.073 χ^2/NDF: 8497.4/26

All: -215.745+/-0.757 χ^2/NDF: 17406.6/55

- sign -214.678+/-1.069 χ^2/NDF: 8907.3/28

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 7.859+/-1.438 χ^2/NDF: 80.9/15

Left Out: 18.243+/-1.057 χ^2/NDF:127.9/10

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

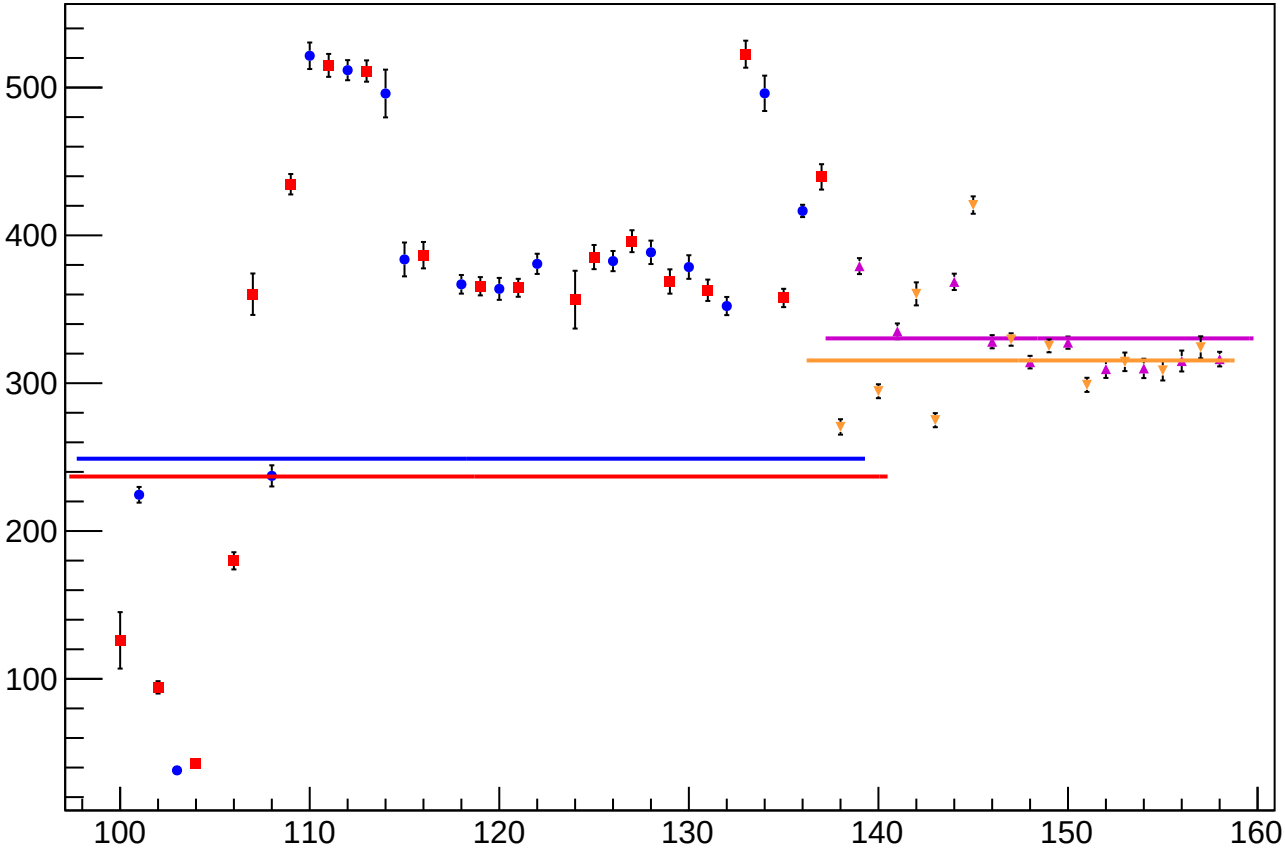
Left In: 17.502+/-1.093 χ^2/NDF:88.9/9

+ sign 14.600+/-0.852 χ^2/NDF: 242.7/26

All: 13.753+/-0.602 χ^2/NDF: 520.3/55

- sign 12.908+/-0.851 χ^2/NDF: 275.6/28

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 315.387+/-1.602 χ^2/NDF:549.0/10

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

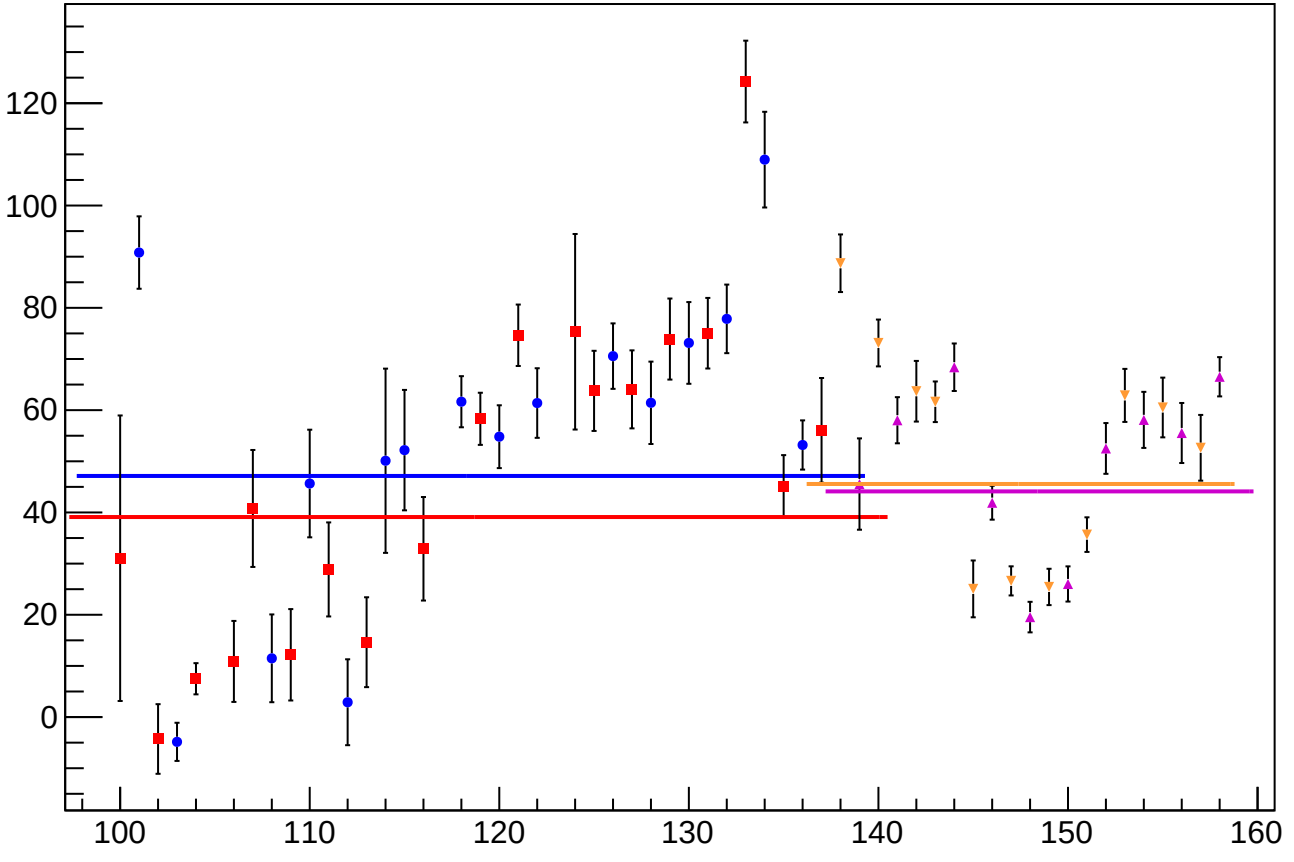
Left In: 330.308+/-1.627 χ^2/NDF:179.9/9

+ sign 278.204+/-1.063 χ^2/NDF: 16813.6/26

All: 277.524+/-0.752 χ^2/NDF: 34539.1/55

- sign 276.842+/-1.064 χ^2/NDF: 17724.7/28

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 45.565+/-1.308 χ^2/NDF:238.2/10

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

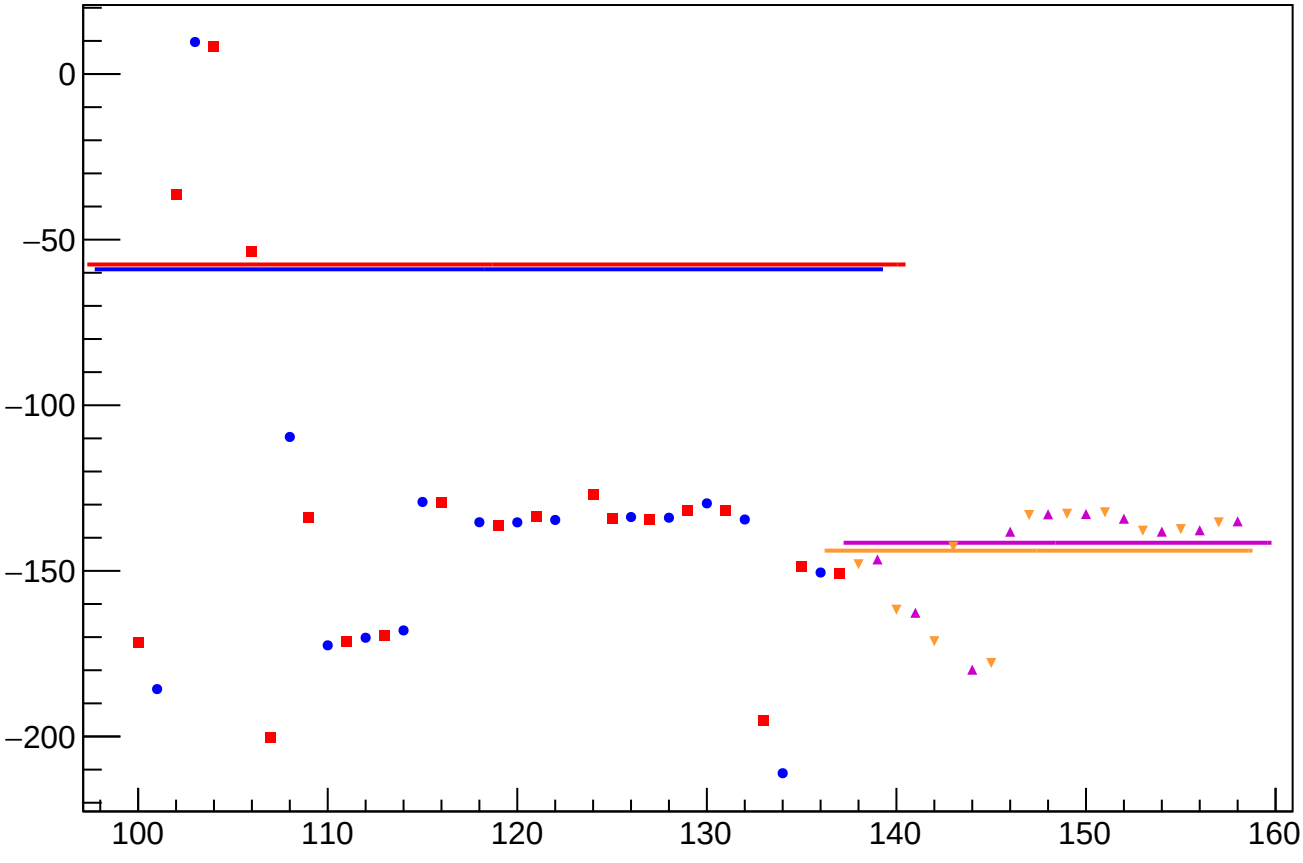
Left In: 44.115+/-1.328 χ^2/NDF:180.0/9

+ sign 46.164+/-1.029 χ^2/NDF: 624.1/26

All: 44.098+/-0.725 χ^2/NDF: 1234.4/55

- sign 42.065+/-1.021 χ^2/NDF: 602.3/28

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -143.889+/-0.064 χ^2/NDF:49634.5/10

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

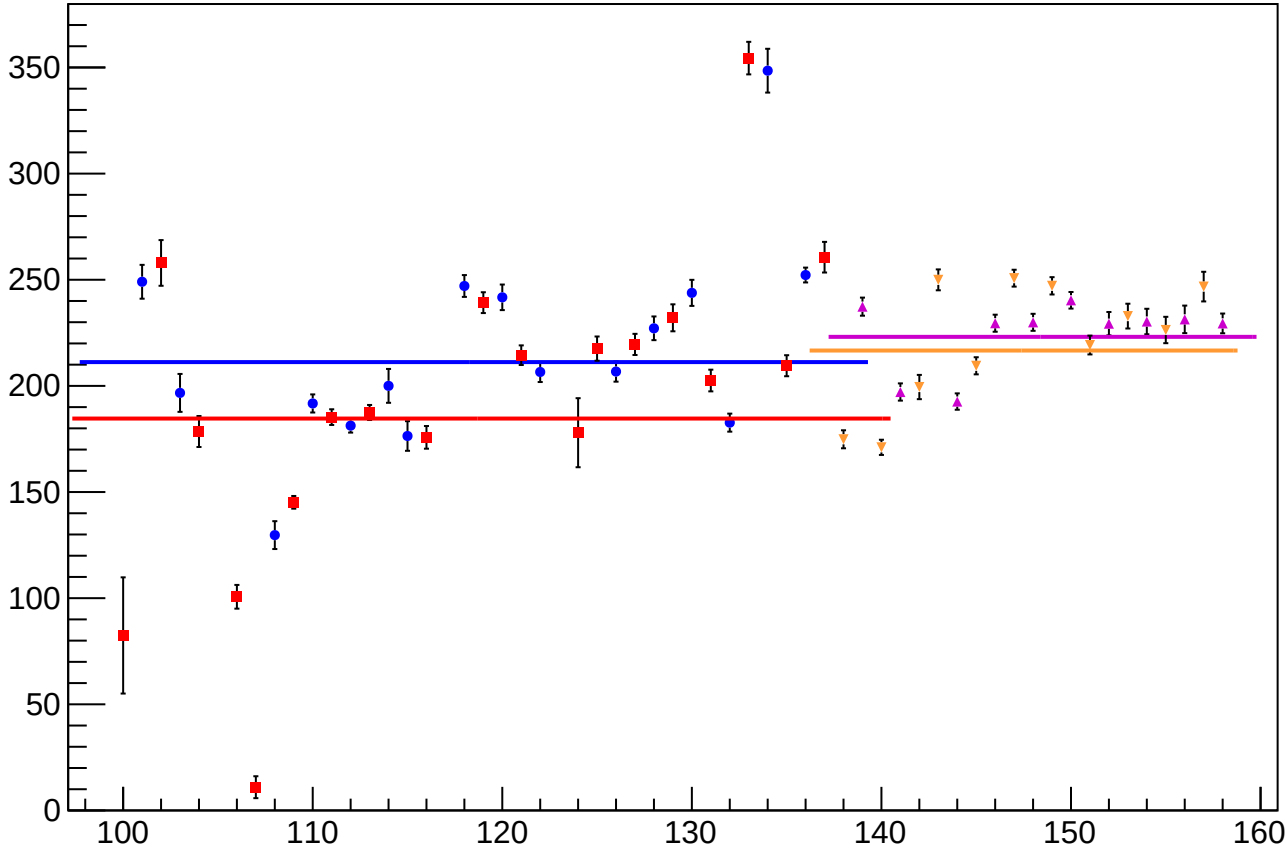
Left In: -141.509+/-0.063 χ^2/NDF:42479.5/9

+ sign -106.610+/-0.048 χ^2/NDF: 2044476.1/26

All: -106.626+/-0.034 χ^2/NDF: 3706947.2/55

- sign -106.642+/-0.048 χ^2/NDF: 1662470.9/28

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 216.658+/-1.391 χ^2/NDF:475.4/10

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

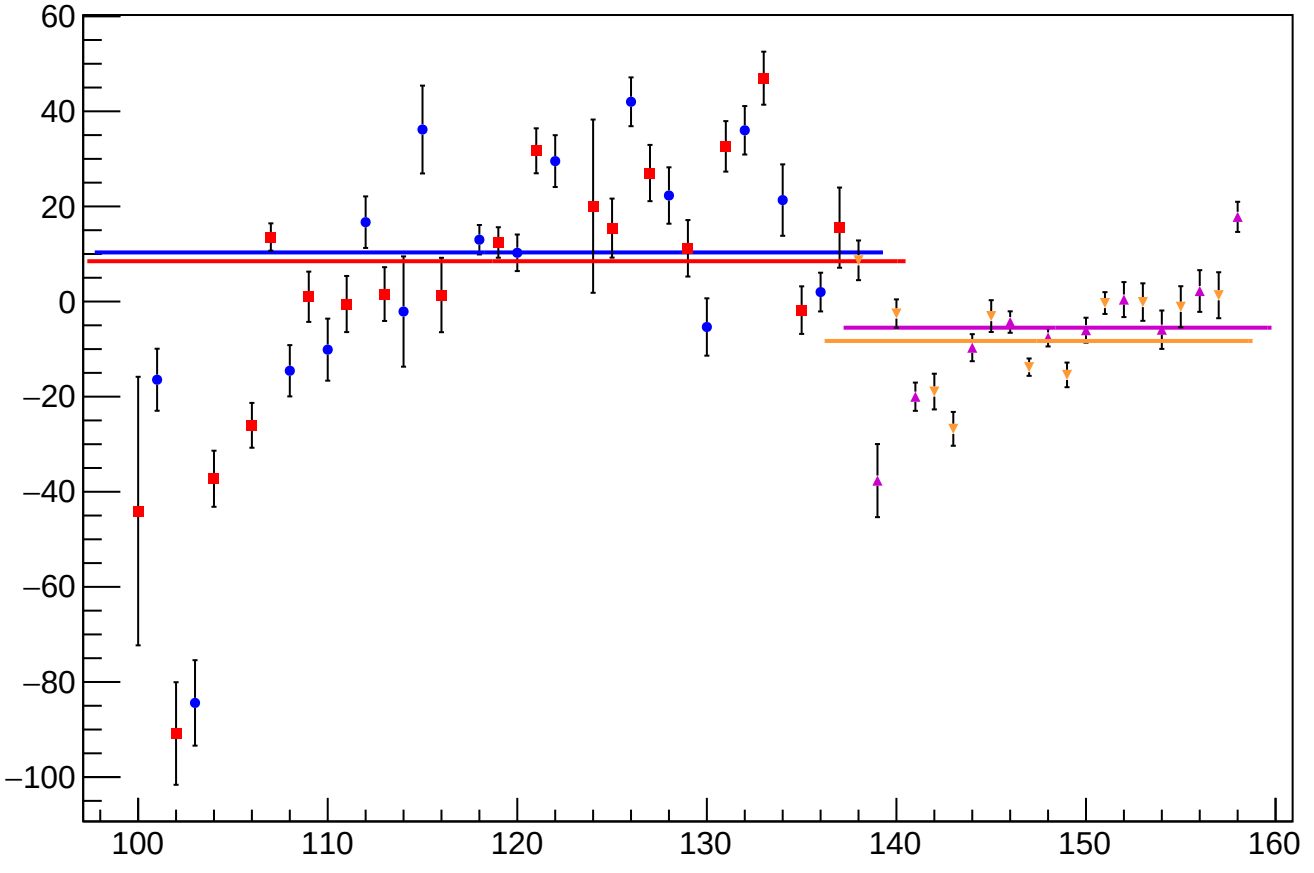
Left In: 223.105+/-1.409 χ^2/NDF:145.8/9

+ sign 213.741+/-0.948 χ^2/NDF: 1266.6/26

All: 206.961+/-0.657 χ^2/NDF: 4485.6/55

- sign 200.704+/-0.911 χ^2/NDF: 3120.7/28

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 10.329+/-1.333 χ^2/NDF: 263.3/15

Left Out: -8.289+/-0.910 χ^2/NDF:97.5/10

Right Out: 8.480+/-1.225 χ^2/NDF: 322.3/18

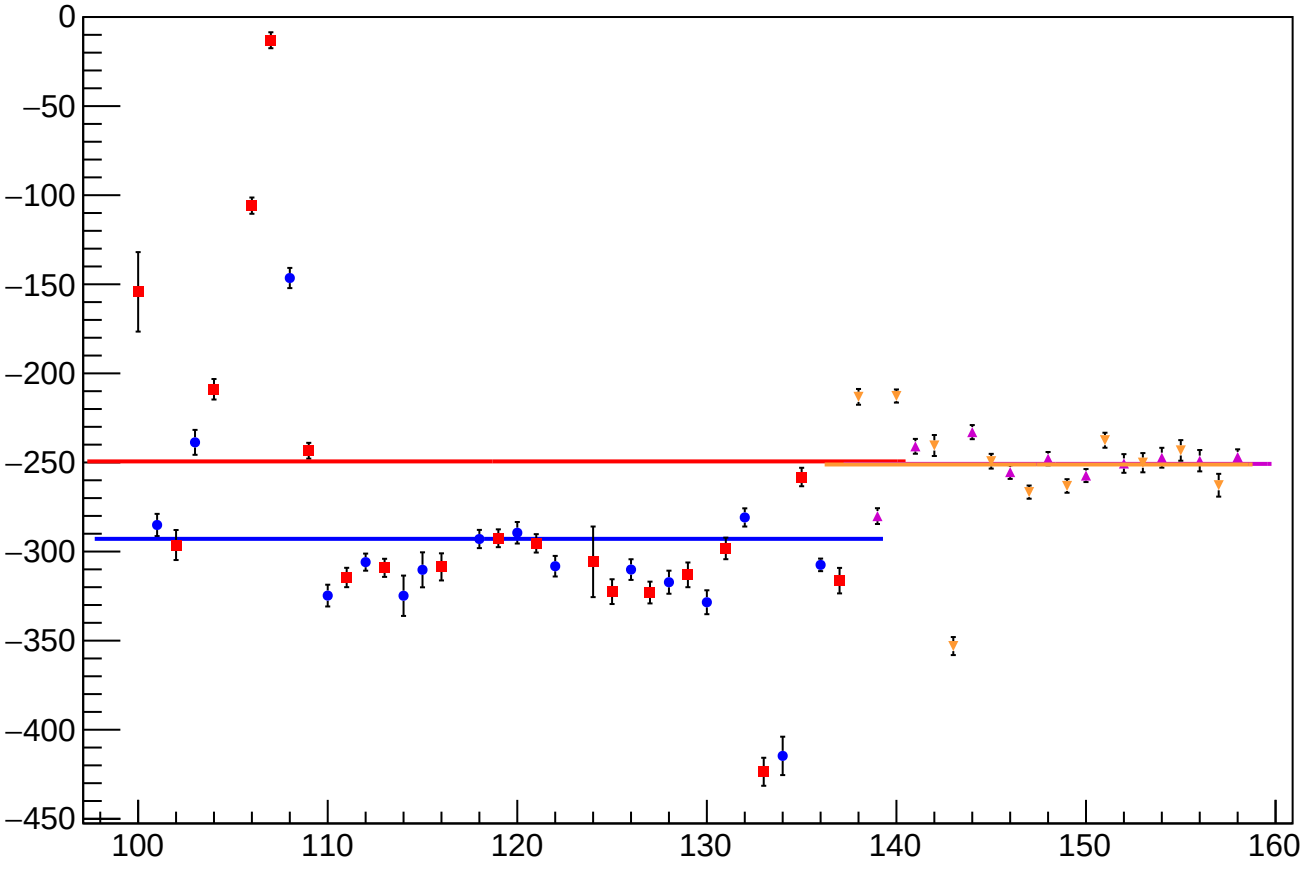
Left In: -5.499+/-0.927 χ^2/NDF:104.9/9

+ sign -2.372+/-0.751 χ^2/NDF: 493.9/26

All: -1.373+/-0.527 χ^2/NDF: 1007.4/55

- sign -0.407+/-0.739 χ^2/NDF: 510.0/28

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -251.142+/-1.364 χ^2/NDF:634.0/10

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

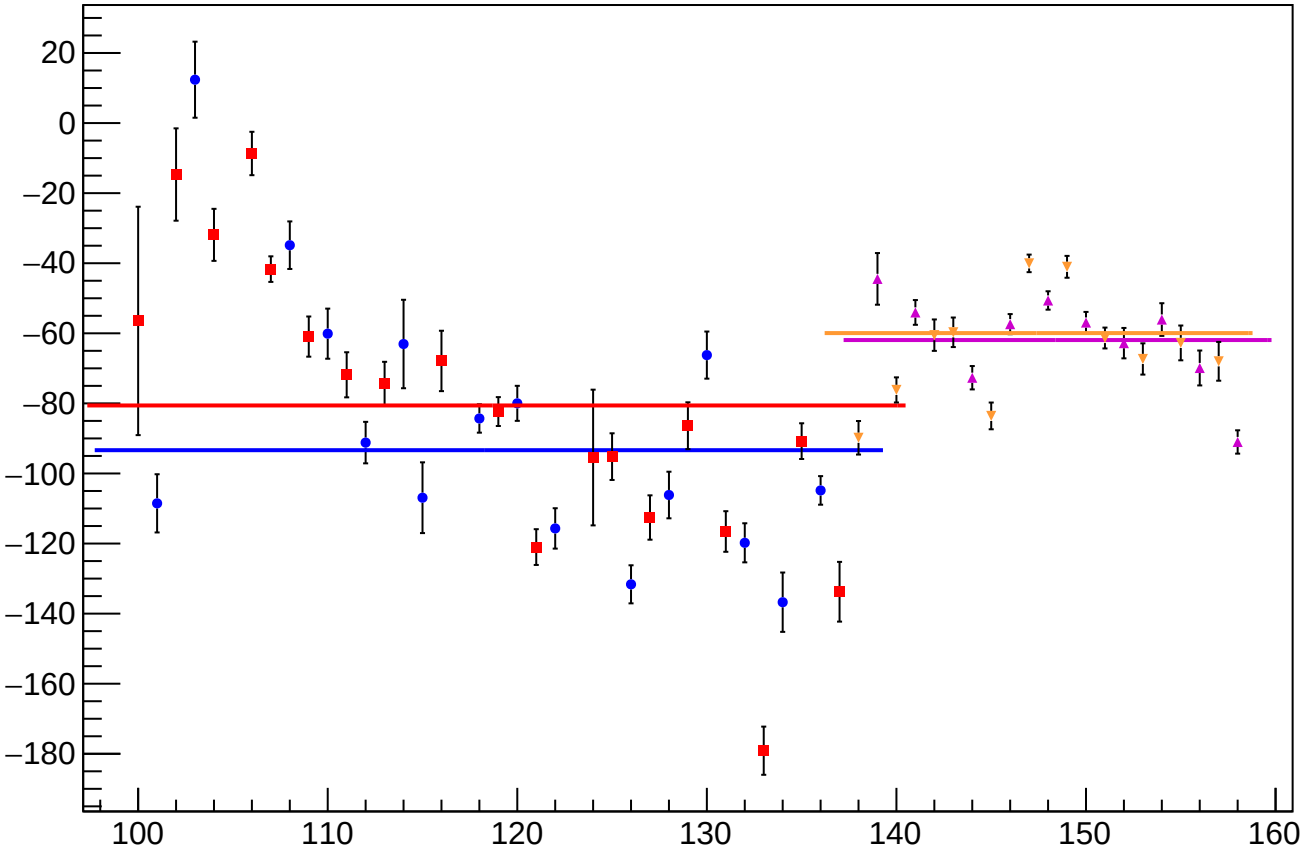
Left In: -250.799+/-1.365 χ^2/NDF:76.0/9

+ sign -270.482+/-0.999 χ^2/NDF: 2051.3/26

All: -259.955+/-0.695 χ^2/NDF: 7711.1/55

- sign -250.105+/-0.966 χ^2/NDF: 5444.9/28

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -59.937+/-1.122 χ^2/NDF:203.0/10

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

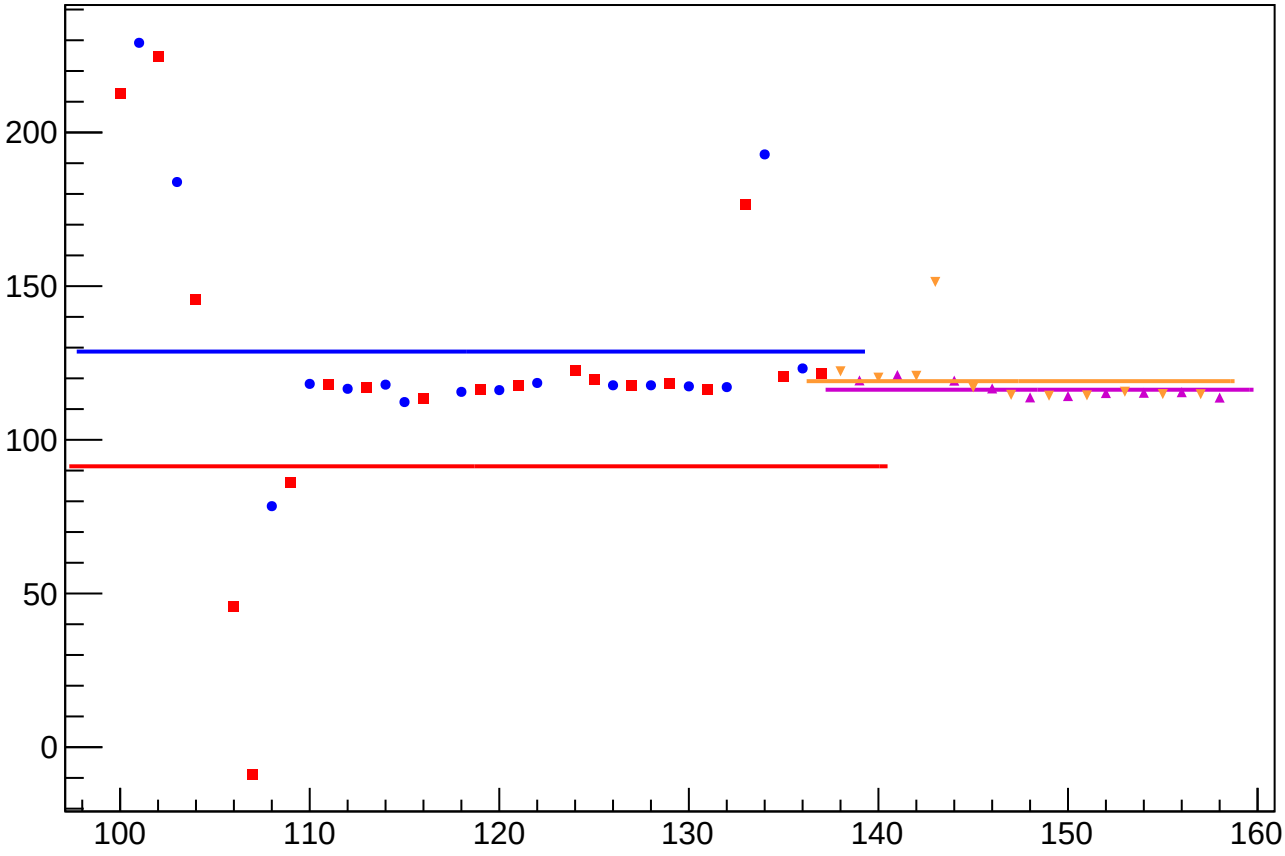
Left In: -61.924+/-1.123 χ^2/NDF:125.1/9

+ sign -71.580+/-0.906 χ^2/NDF: 867.5/26

All: -70.296+/-0.632 χ^2/NDF: 1817.8/55

- sign -69.080+/-0.882 χ^2/NDF: 946.4/28

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 119.084+/-0.055 χ^2/NDF:27565.9/10

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

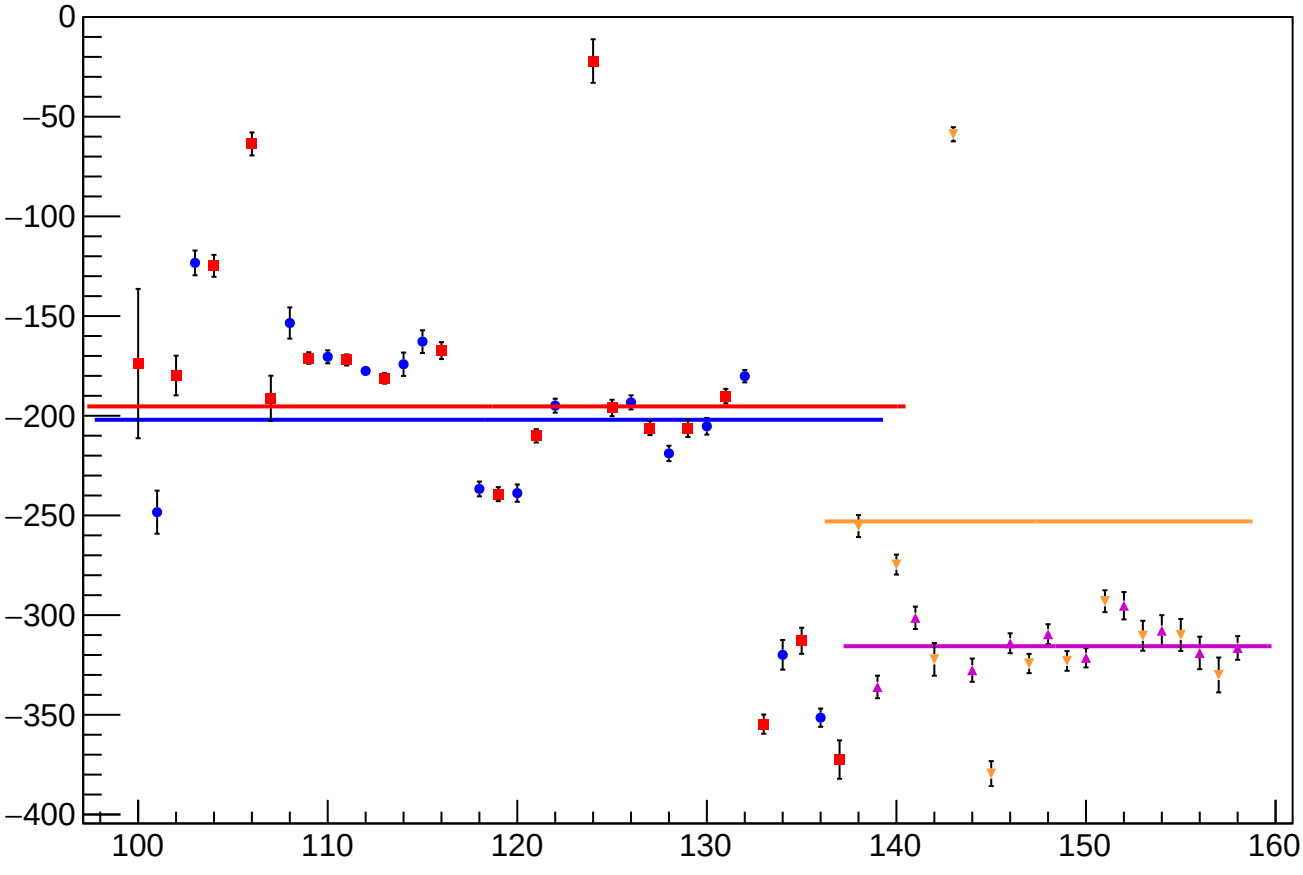
Left In: 116.299+/-0.053 χ^2/NDF:2268.3/9

+ sign 121.714+/-0.047 χ^2/NDF: 219574.9/26

All: 114.780+/-0.032 χ^2/NDF: 937314.4/55

- sign 108.633+/-0.044 χ^2/NDF: 675928.6/28

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -252.997+/-1.677 χ^2/NDF:4132.2/10

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

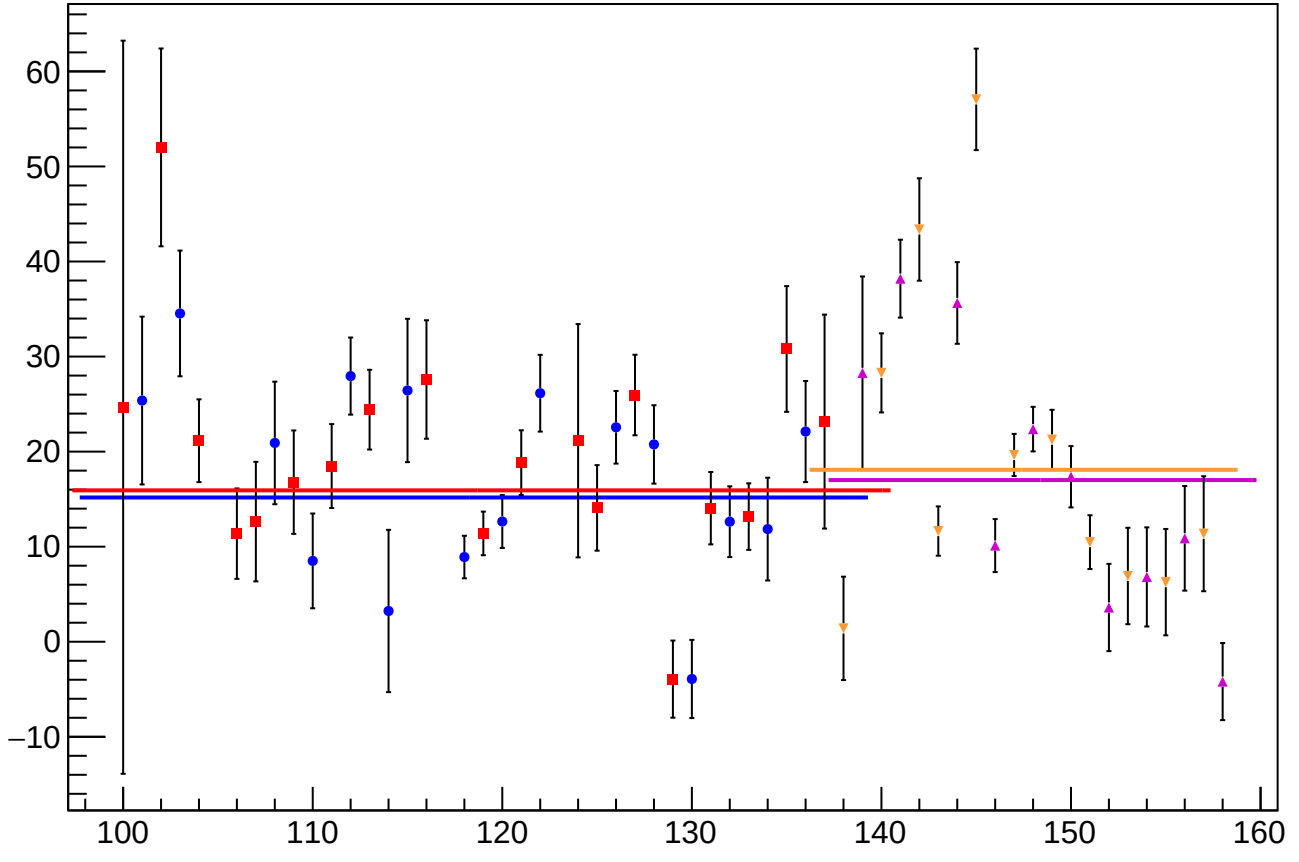
Left In: -315.604+/-1.834 χ^2/NDF:36.8/9

+ sign -215.860+/-0.874 χ^2/NDF: 6845.3/26

All: -218.869+/-0.613 χ^2/NDF: 13362.4/55

- sign -221.784+/-0.860 χ^2/NDF: 6493.7/28

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 18.085+/-1.093 χ^2/NDF:116.2/10

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

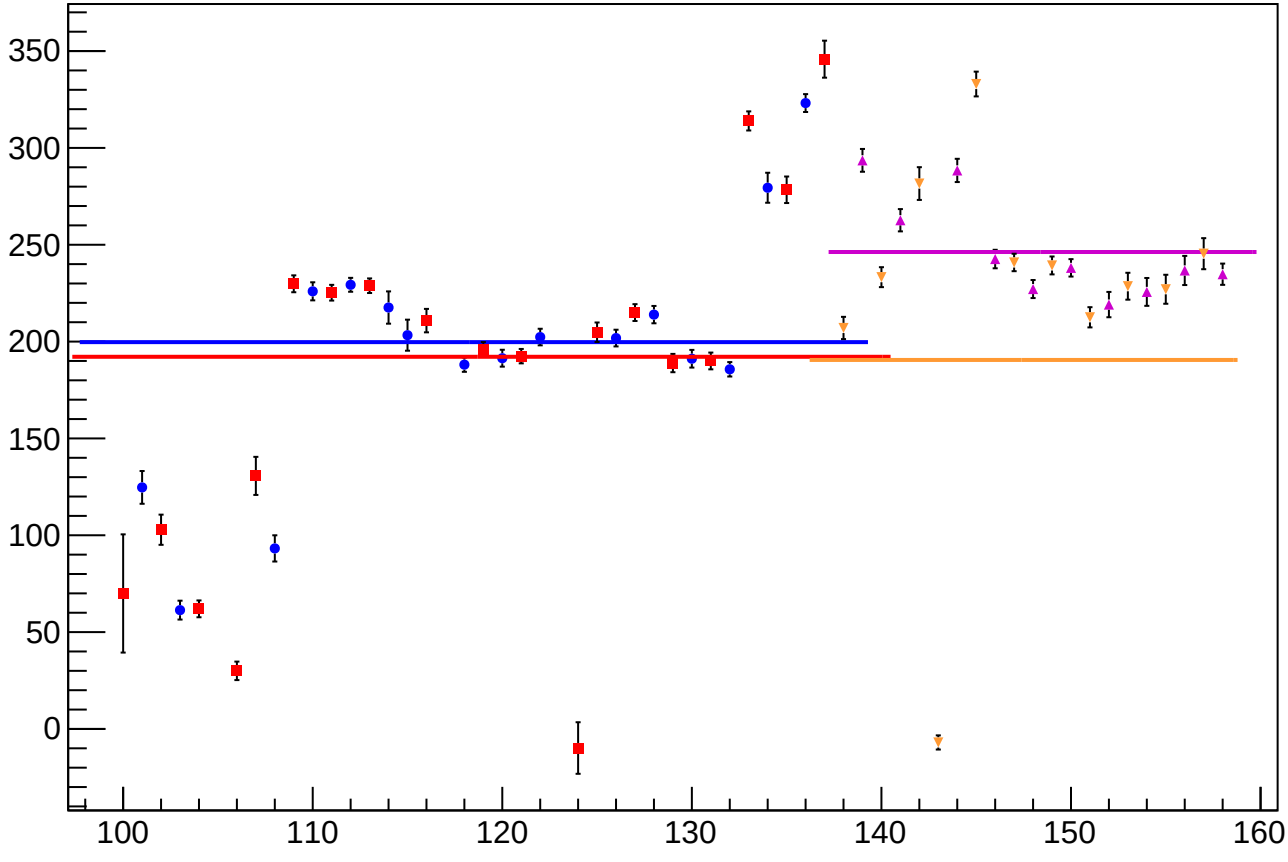
Left In: 17.007+/-1.188 χ^2/NDF:99.1/9

+ sign 16.569+/-0.756 χ^2/NDF: 192.2/26

All: 16.484+/-0.543 χ^2/NDF: 355.3/55

- sign 16.393+/-0.781 χ^2/NDF: 163.1/28

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 199.722+/-1.196 χ^2/NDF: 2101.6/15

Left Out: 190.522+/-1.648 χ^2/NDF:3956.2/10

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

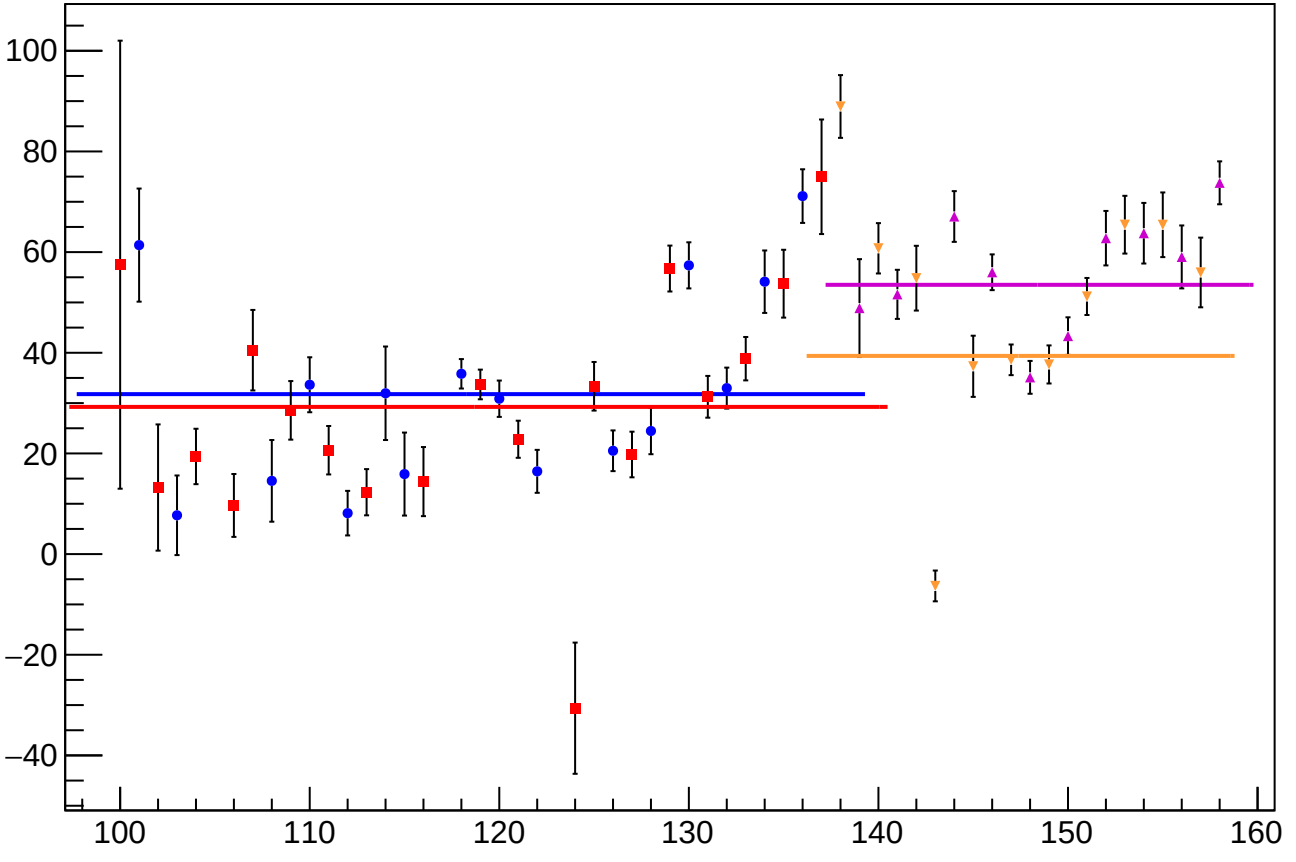
Left In: 246.257+/-1.768 χ^2/NDF:174.1/9

+ sign 196.549+/-0.968 χ^2/NDF: 6078.2/26

All: 202.418+/-0.683 χ^2/NDF: 10760.3/55

- sign 208.245+/-0.964 χ^2/NDF: 4608.9/28

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 39.378+/-1.347 χ^2/NDF:364.0/10

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

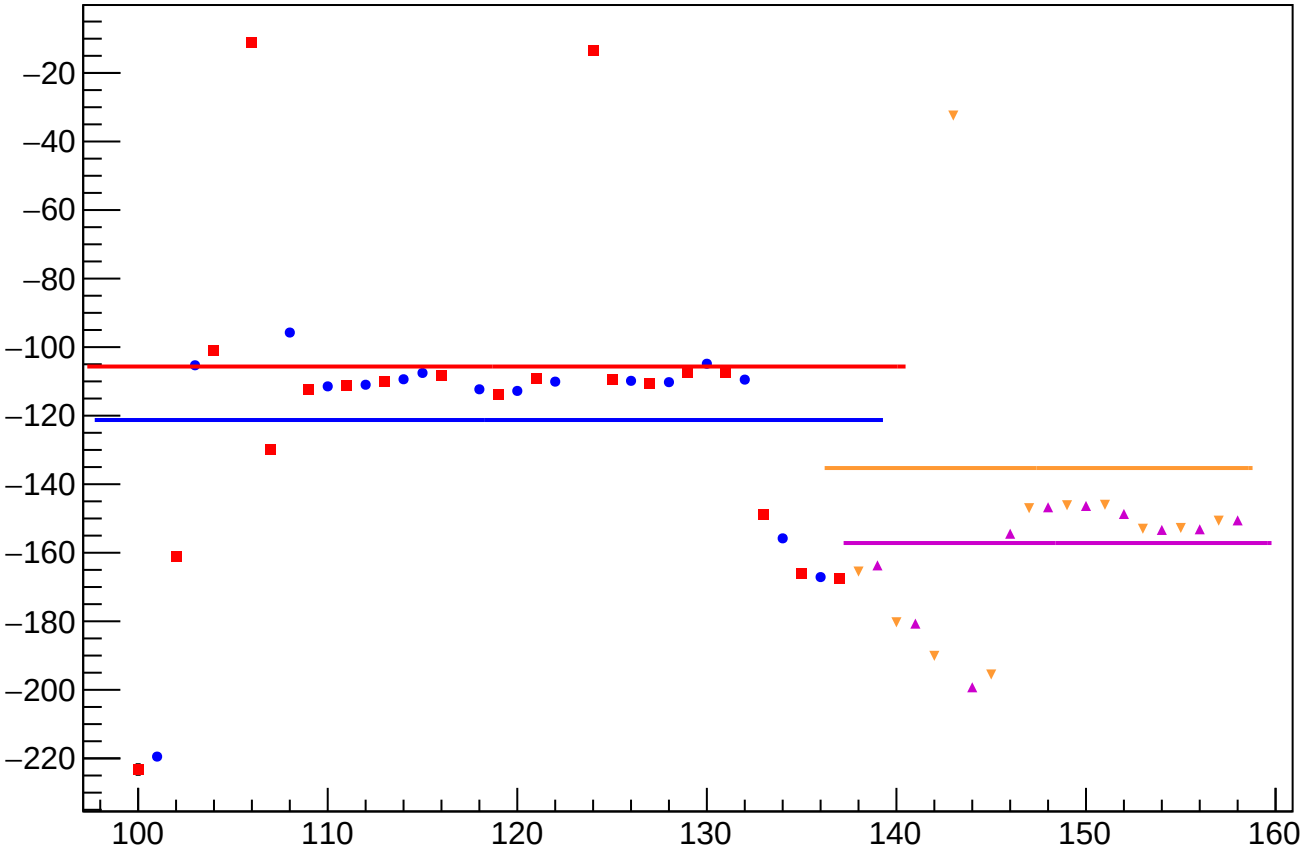
Left In: 53.500+/-1.444 χ^2/NDF:76.5/9

+ sign 35.194+/-0.903 χ^2/NDF: 558.6/26

All: 37.115+/-0.645 χ^2/NDF: 952.4/55

- sign 39.116+/-0.921 χ^2/NDF: 384.6/28

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -135.282+/-0.066 χ^2/NDF:618096.0/10

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

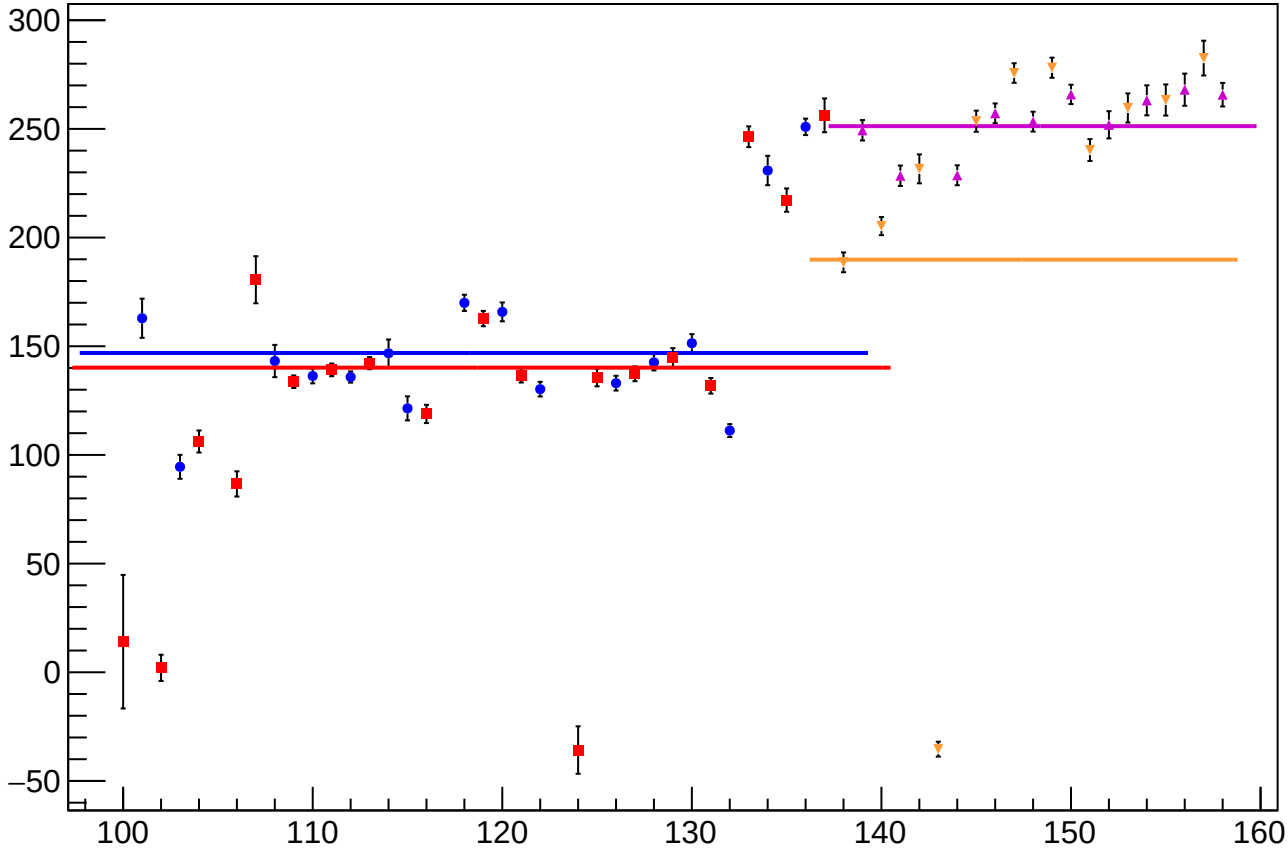
Left In: -157.162+/-0.068 χ^2/NDF:45133.4/9

+ sign -129.511+/-0.051 χ^2/NDF: 755898.6/26

All: -131.682+/-0.036 χ^2/NDF: 1419507.2/55

- sign -133.808+/-0.050 χ^2/NDF: 659998.0/28

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 189.840+/-1.492 χ^2/NDF:5741.7/10

Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

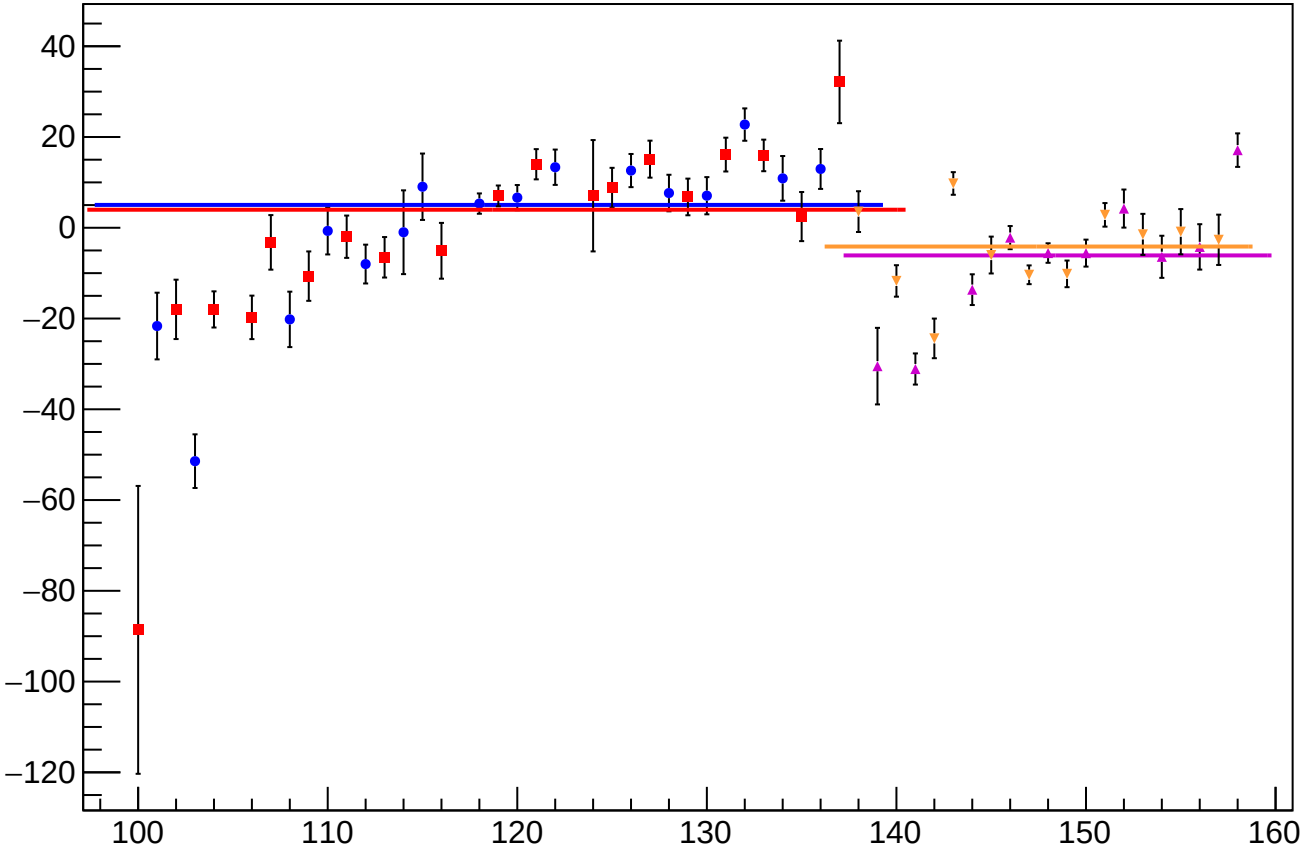
Left In: 251.260+/-1.613 χ^2/NDF:76.0/9

+ sign 160.275+/-0.833 χ^2/NDF: 7613.9/26

All: 164.787+/-0.586 χ^2/NDF: 13202.3/55

- sign 169.217+/-0.825 χ^2/NDF: 5530.2/28

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: -4.136+/-0.987 χ^2/NDF:81.8/10

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

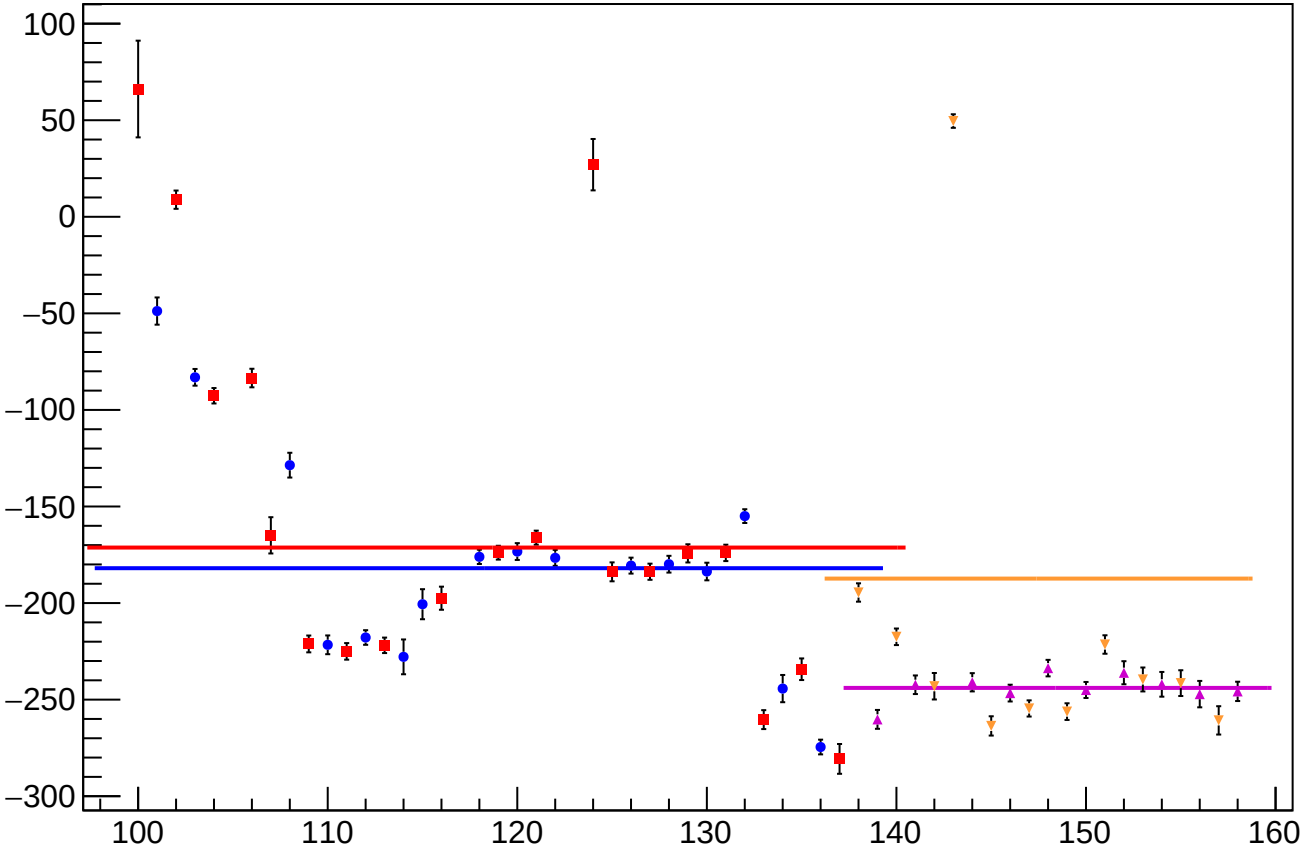
Left In: -6.094+/-1.063 χ^2/NDF:114.5/9

+ sign 0.296+/-0.710 χ^2/NDF: 295.4/26

All: -0.241+/-0.510 χ^2/NDF: 603.1/55

- sign -0.814+/-0.733 χ^2/NDF: 306.5/28

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -181.947+/-1.154 χ^2/NDF: 1870.4/15

Left Out: -187.328+/-1.471 χ^2/NDF:5689.1/10

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

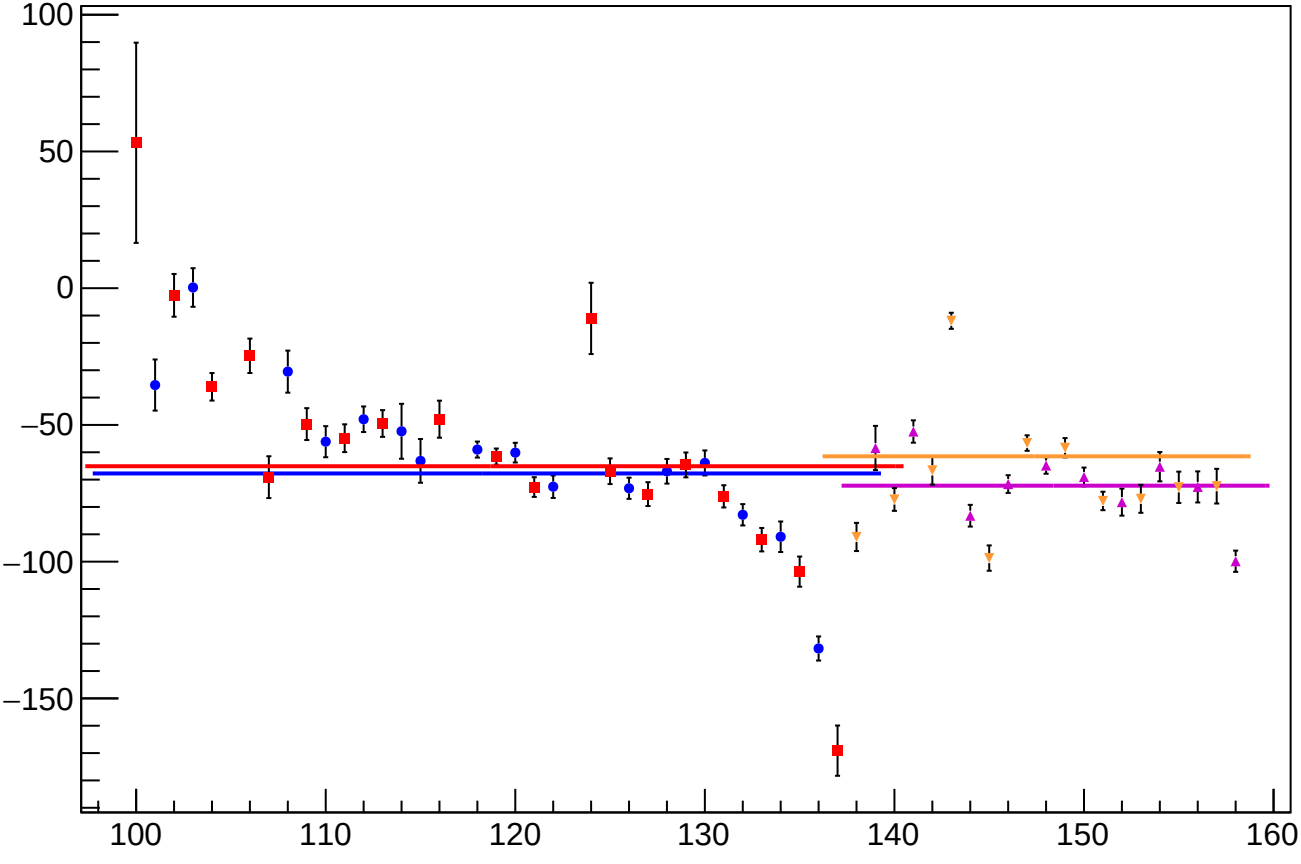
Left In: -243.931+/-1.563 χ^2/NDF:20.0/9

+ sign -183.997+/-0.908 χ^2/NDF: 7567.8/26

All: -189.846+/-0.641 χ^2/NDF: 12735.2/55

- sign -195.664+/-0.906 χ^2/NDF: 5084.6/28

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.745+/-1.181 χ^2/NDF: 414.0/15

Left Out: -61.478+/-1.212 χ^2/NDF:440.0/10

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

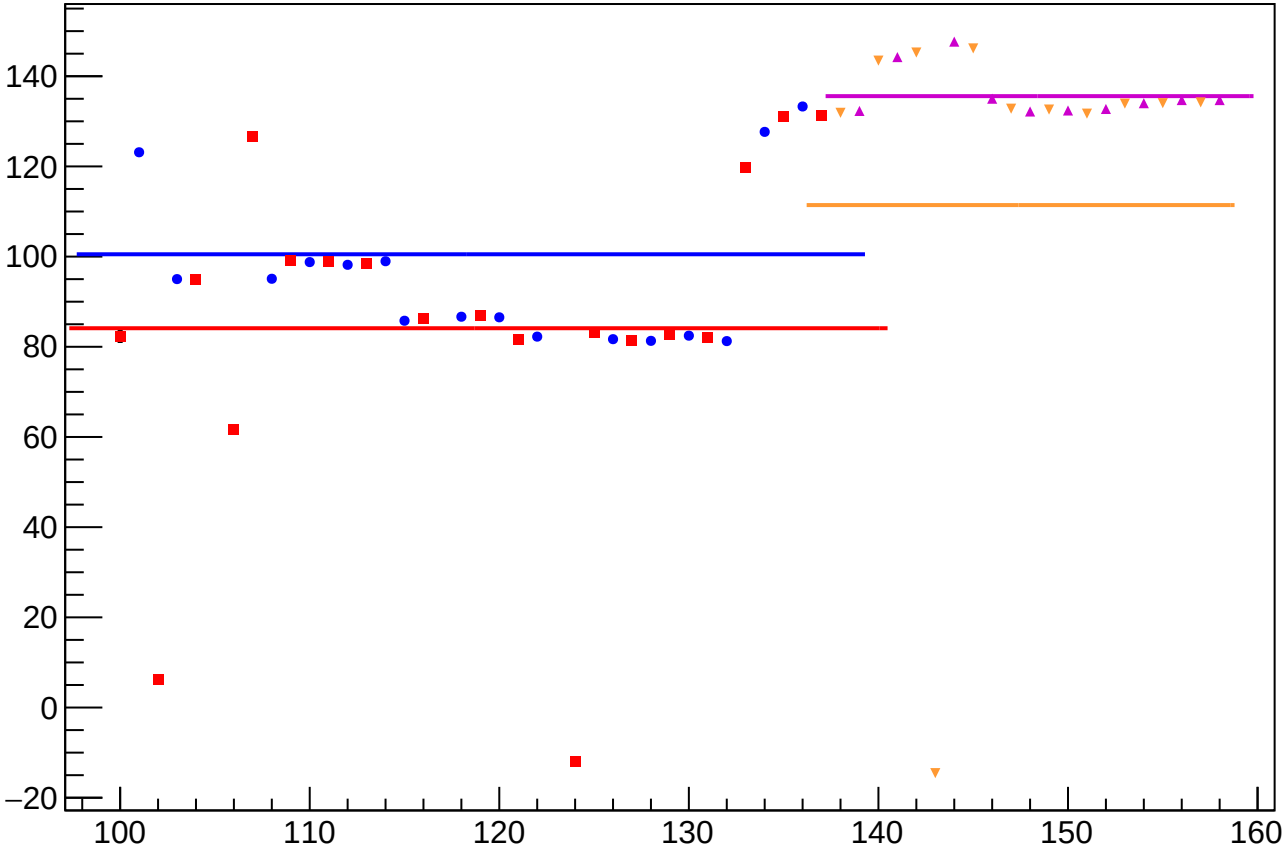
Left In: -72.218+/-1.288 χ^2/NDF:94.7/9

+ sign -64.694+/-0.846 χ^2/NDF: 867.8/26

All: -66.463+/-0.605 χ^2/NDF: 1417.2/55

- sign -68.310+/-0.865 χ^2/NDF: 540.5/28

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 111.425+/-0.059 χ^2/NDF:898048.1/10

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

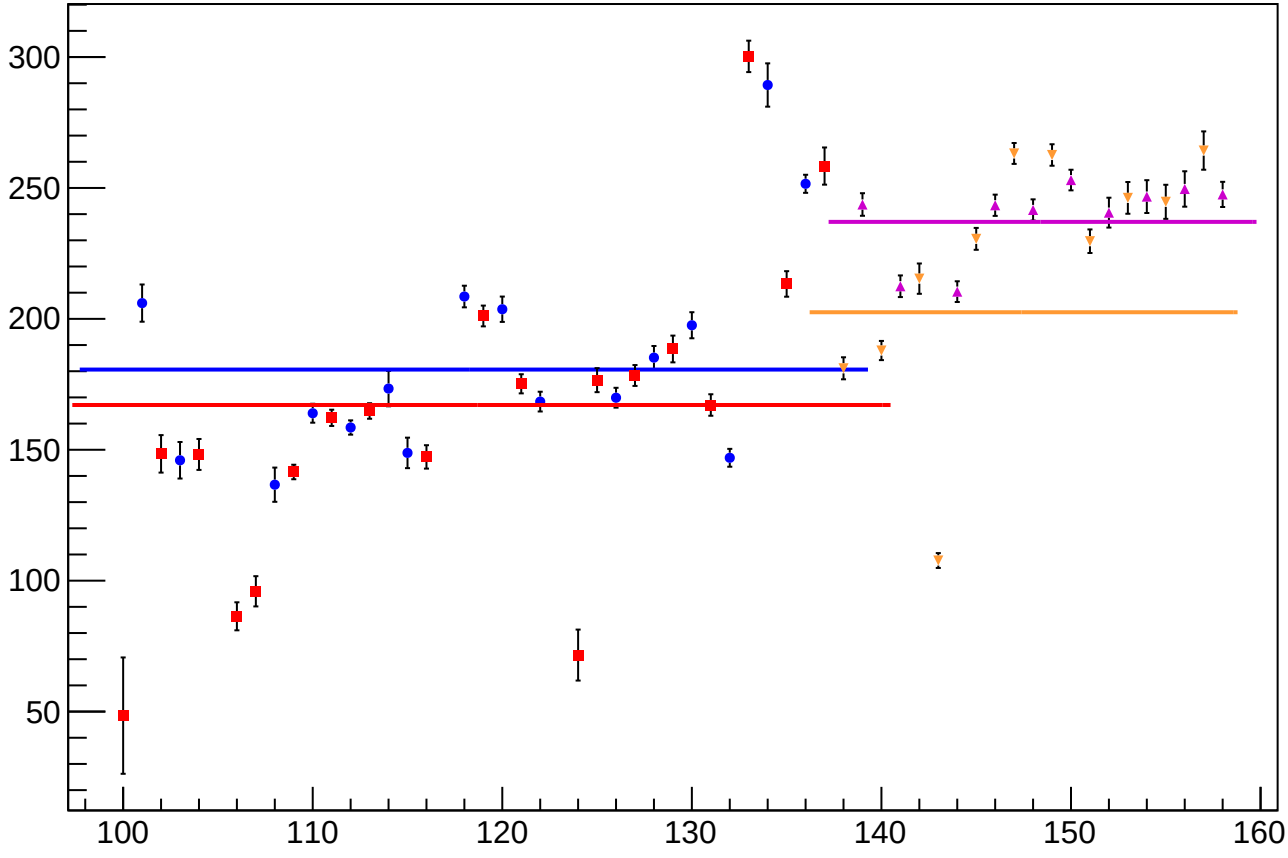
Left In: 135.585+/-0.060 χ^2/NDF:6571.0/9

\+ sign 107.172+/-0.046 χ^2/NDF: 978783.5/26

All: 110.329+/-0.032 χ^2/NDF: 1572869.7/55

\- sign 113.386+/-0.045 χ^2/NDF: 584891.7/28

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 202.530+/-1.310 χ^2/NDF:1852.1/10

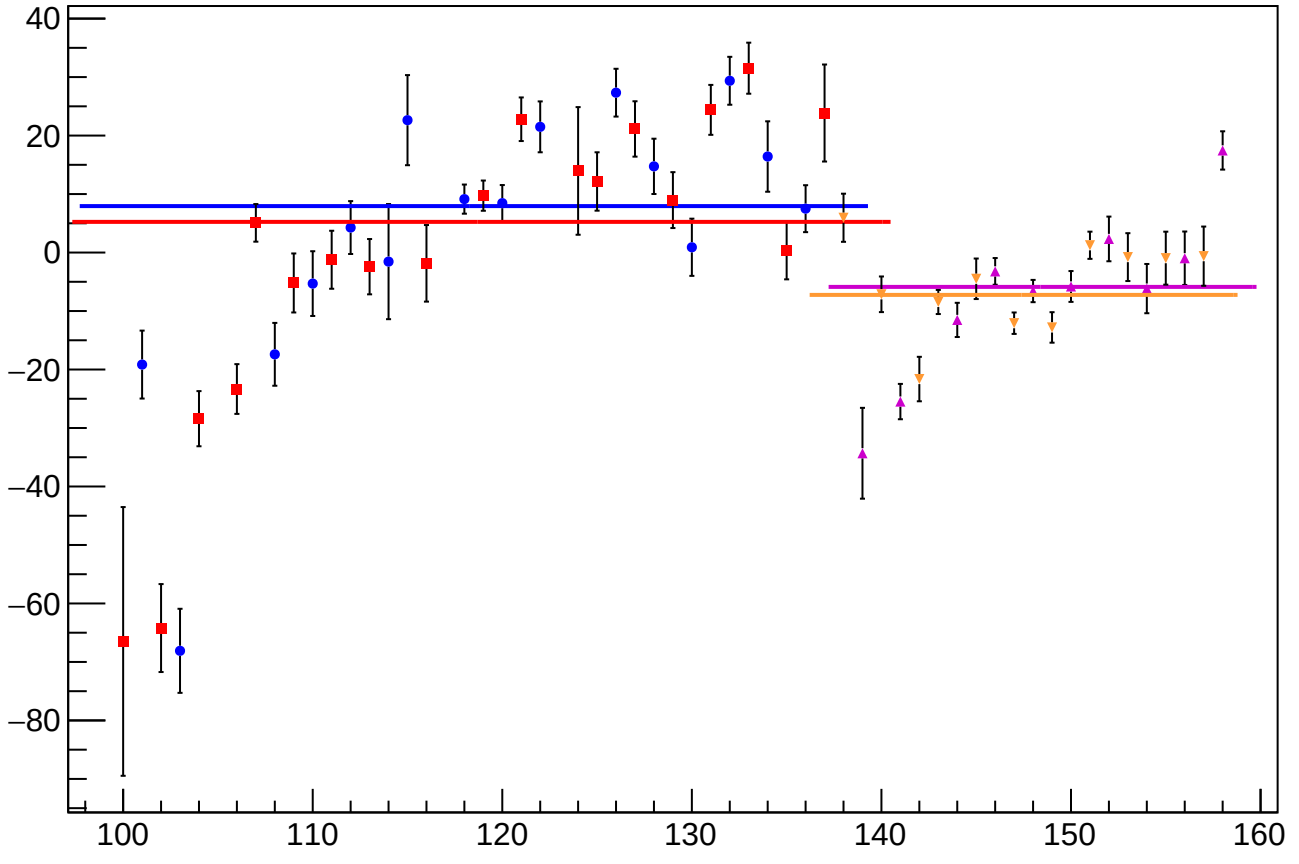
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 237.044+/-1.438 χ^2/NDF:114.1/9

+ sign 189.590+/-0.838 χ^2/NDF: 3010.7/26

All: 190.070+/-0.590 χ^2/NDF: 6183.5/55

- sign 190.544+/-0.832 χ^2/NDF: 3172.2/28



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -7.242+/-0.866 χ^2/NDF:56.6/10

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

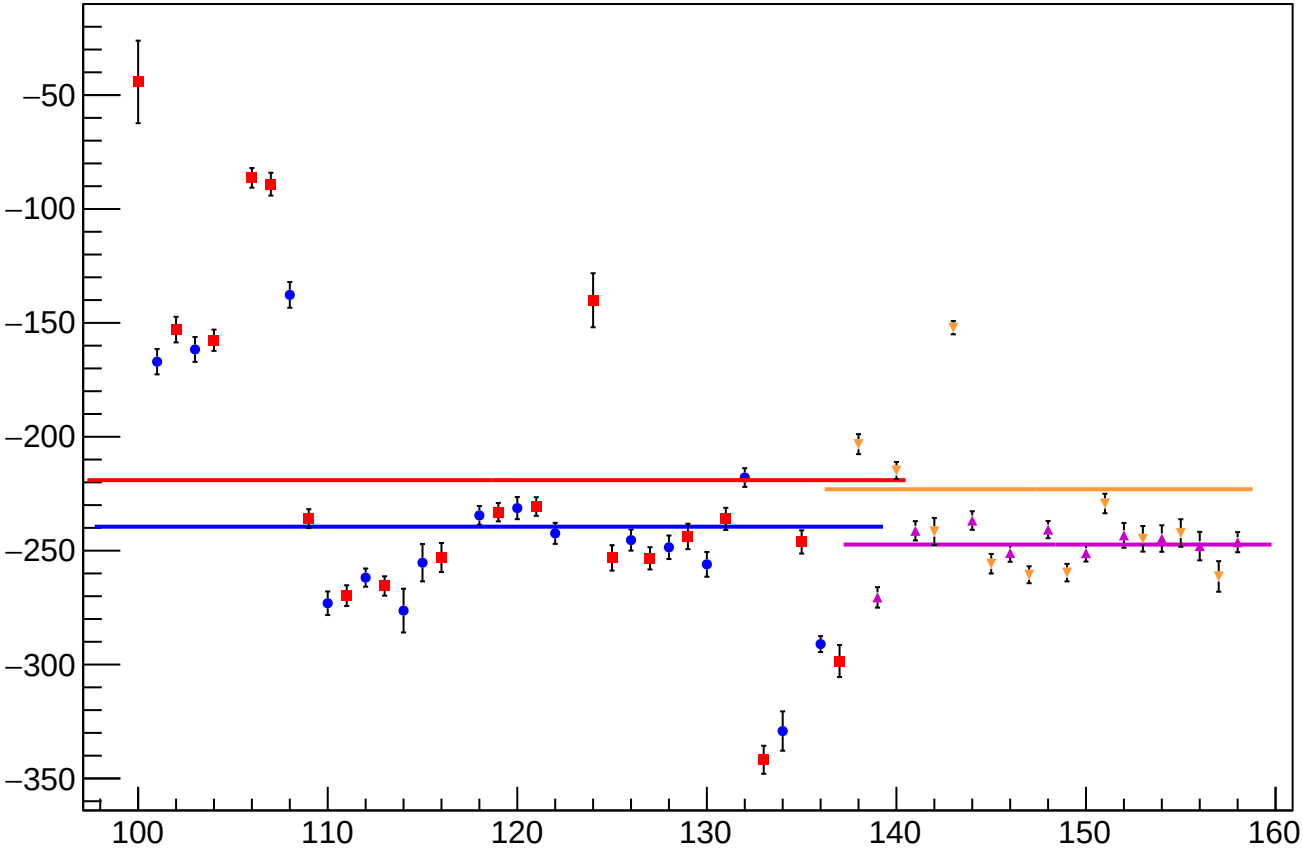
Left In: -5.873+/-0.944 χ^2/NDF:117.3/9

+ sign -1.515+/-0.684 χ^2/NDF: 405.3/26

All: -1.248+/-0.491 χ^2/NDF: 887.0/55

- sign -0.964+/-0.706 χ^2/NDF: 481.4/28

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -223.032+/-1.293 χ^2/NDF:934.7/10

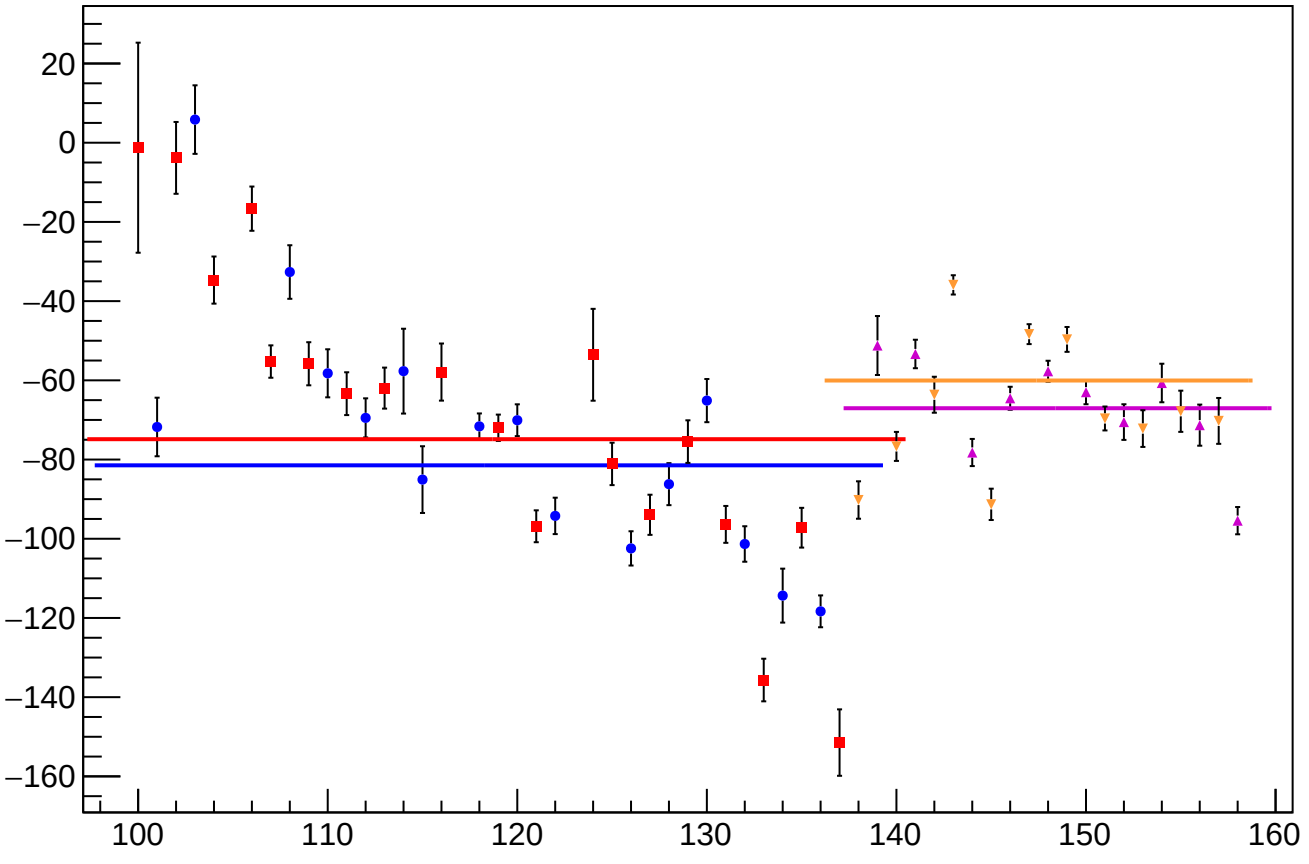
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -247.311+/-1.393 χ^2/NDF:41.2/9

+ sign -231.559+/-0.897 χ^2/NDF: 2180.7/26

All: -231.187+/-0.635 χ^2/NDF: 5511.7/55

- sign -230.814+/-0.899 χ^2/NDF: 3330.7/28



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -60.044+/-1.064 χ^2/NDF:277.6/10

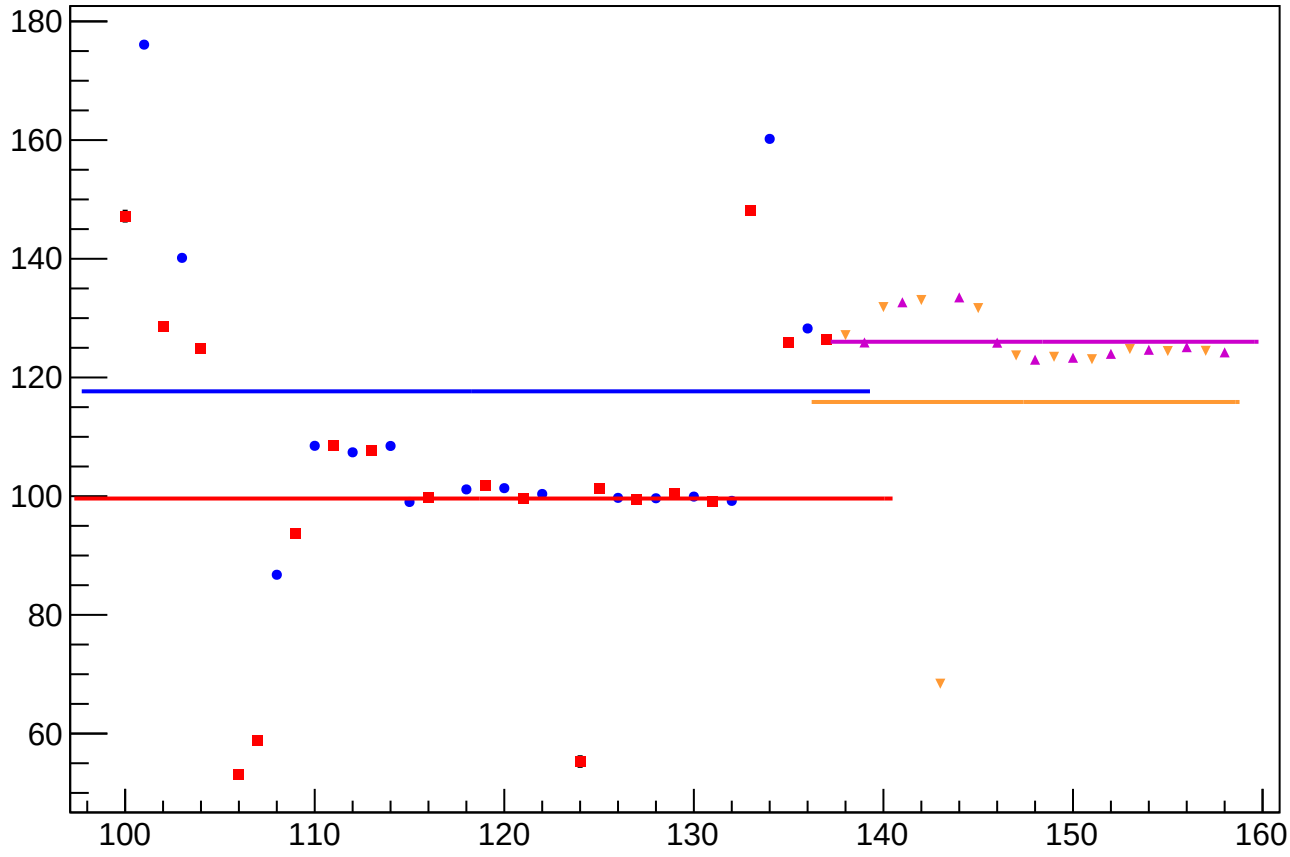
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -67.042+/-1.145 χ^2/NDF:115.6/9

\+ sign -68.742+/-0.820 χ^2/NDF: 808.6/26

All: -69.687+/-0.586 χ^2/NDF: 1525.2/55

\- sign -70.673+/-0.838 χ^2/NDF: 713.8/28



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 115.872+/-0.052 χ^2/NDF:190704.1/10

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

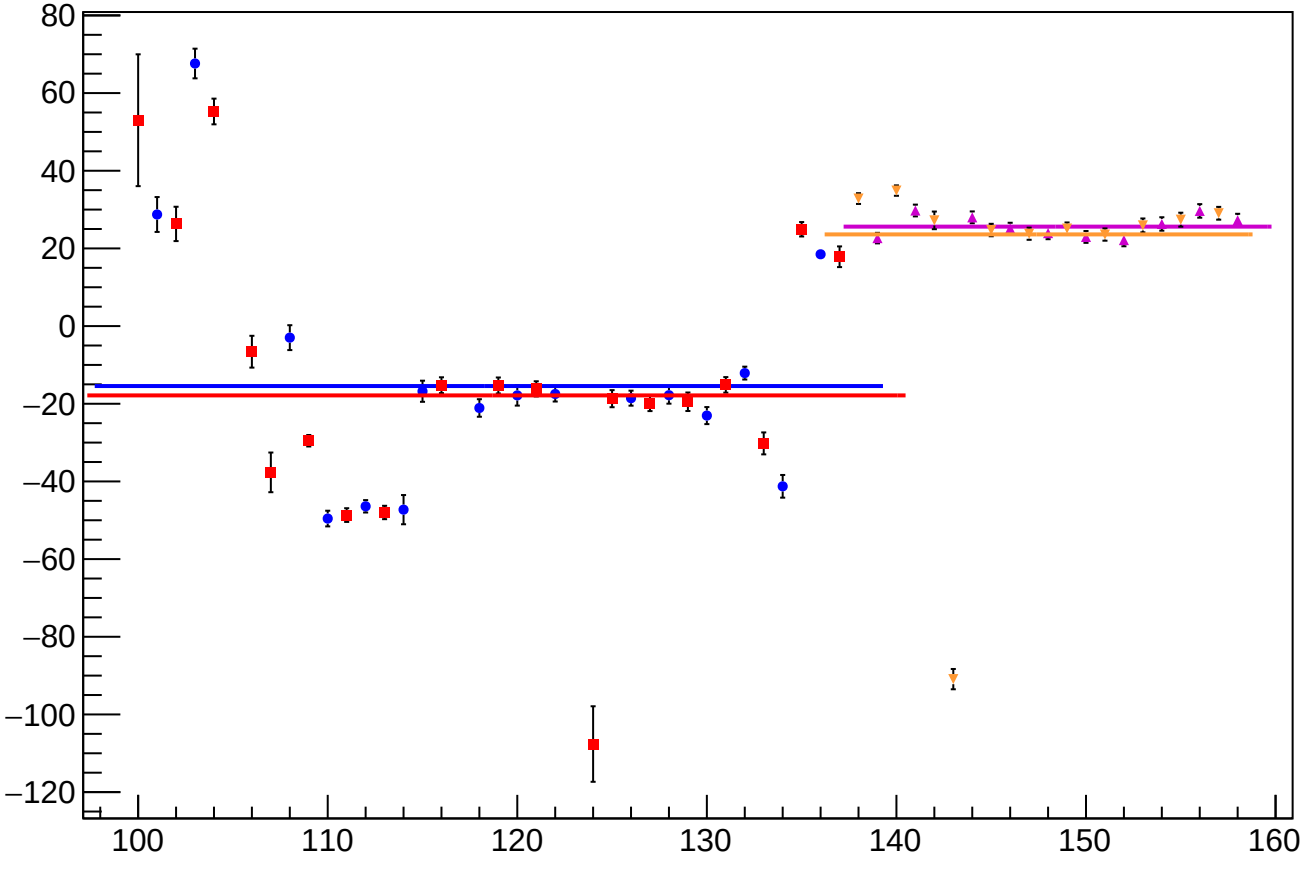
Left In: 126.018+/-0.054 χ^2/NDF:4171.3/9

+ sign 116.424+/-0.043 χ^2/NDF: 286465.0/26

All: 116.332+/-0.030 χ^2/NDF: 545794.7/55

- sign 116.242+/-0.043 χ^2/NDF: 259320.7/28

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 23.610+/-0.499 χ^2/NDF:2057.7/10

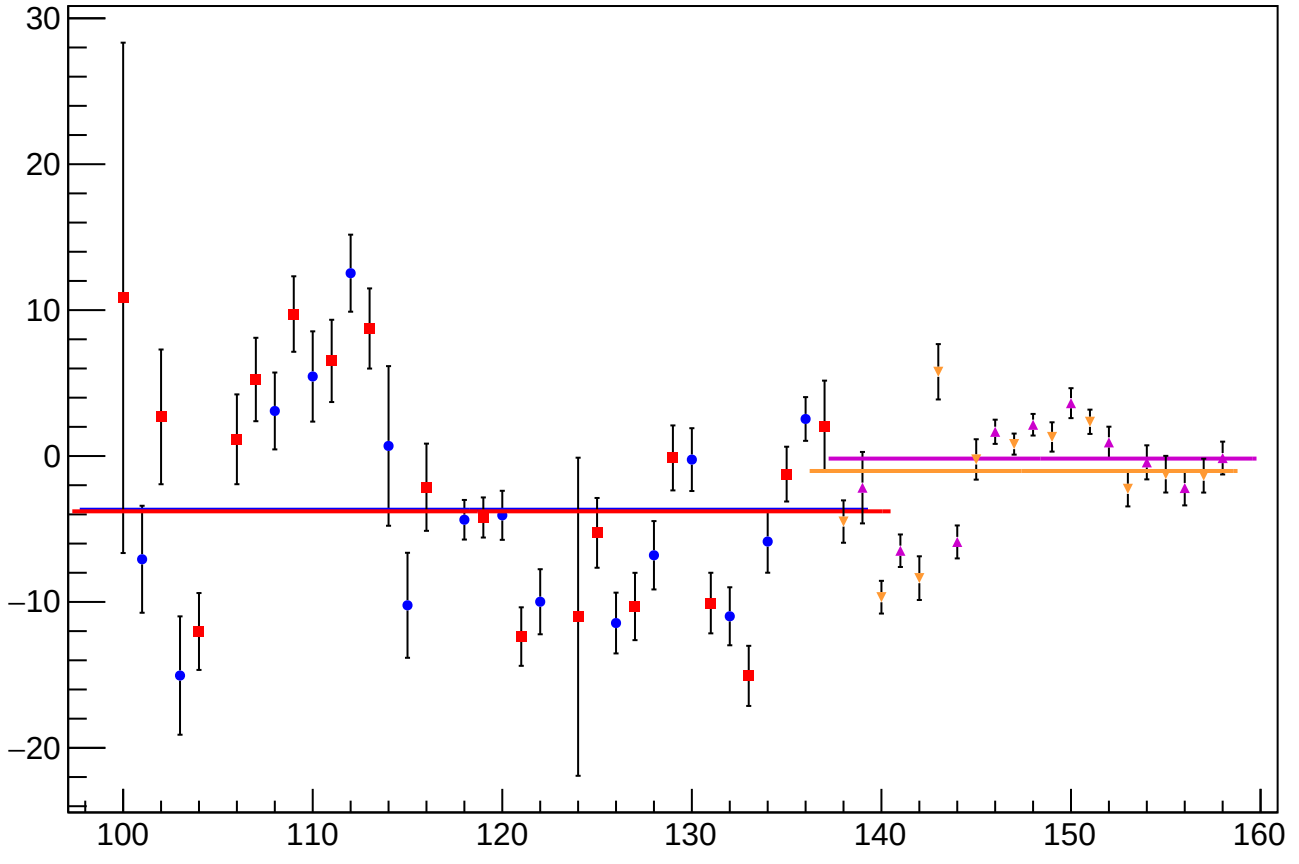
Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 25.611+/-0.492 χ^2/NDF:30.2/9

+ sign 5.575+/-0.366 χ^2/NDF: 7005.7/26

All: 5.523+/-0.257 χ^2/NDF: 12774.2/55

- sign 5.473+/-0.361 χ^2/NDF: 5768.5/28



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -1.025+/-0.335 χ^2/NDF:131.9/10

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

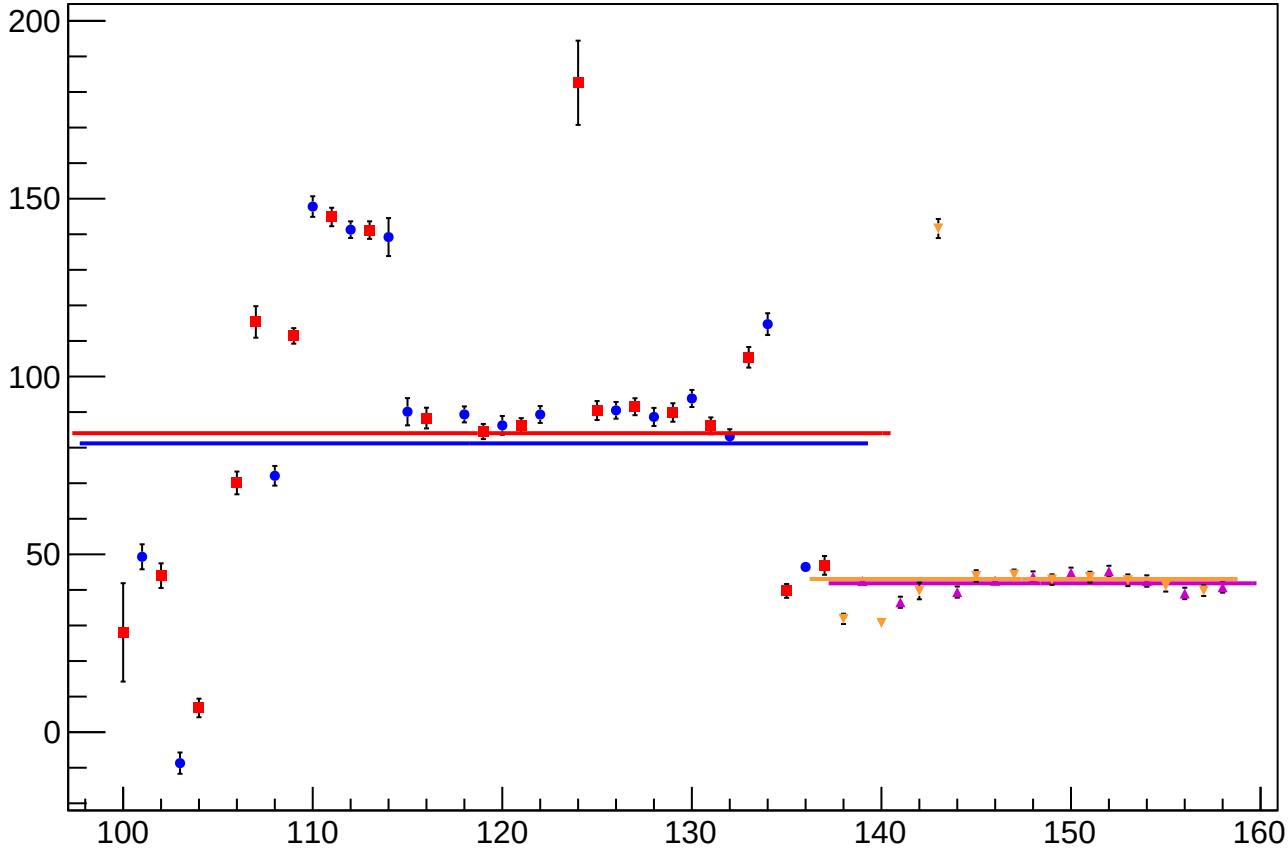
Left In: -0.175+/-0.332 χ^2/NDF:90.7/9

\+ sign -1.738+/-0.286 χ^2/NDF: 272.8/26

All: -1.422+/-0.202 χ^2/NDF: 557.7/55

\- sign -1.106+/-0.286 χ^2/NDF: 282.5/28

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 43.070+/-0.486 χ^2/NDF:1494.8/10

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

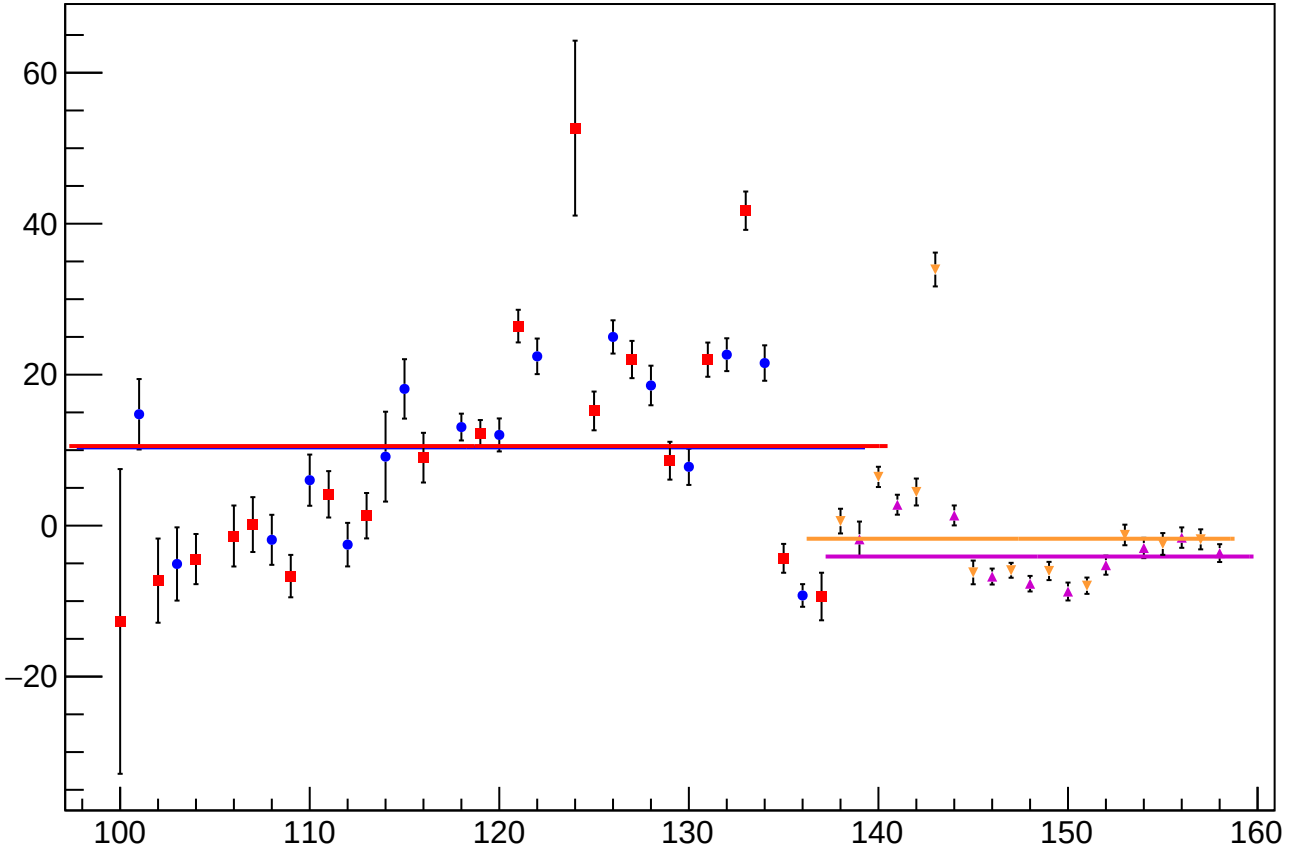
Left In: 41.853+/-0.476 χ^2/NDF:29.5/9

+ sign 57.970+/-0.379 χ^2/NDF: 7129.4/26

All: 57.794+/-0.267 χ^2/NDF: 13305.0/55

- sign 57.621+/-0.377 χ^2/NDF: 6175.2/28

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: -1.736+/-0.408 χ^2/NDF:376.7/10

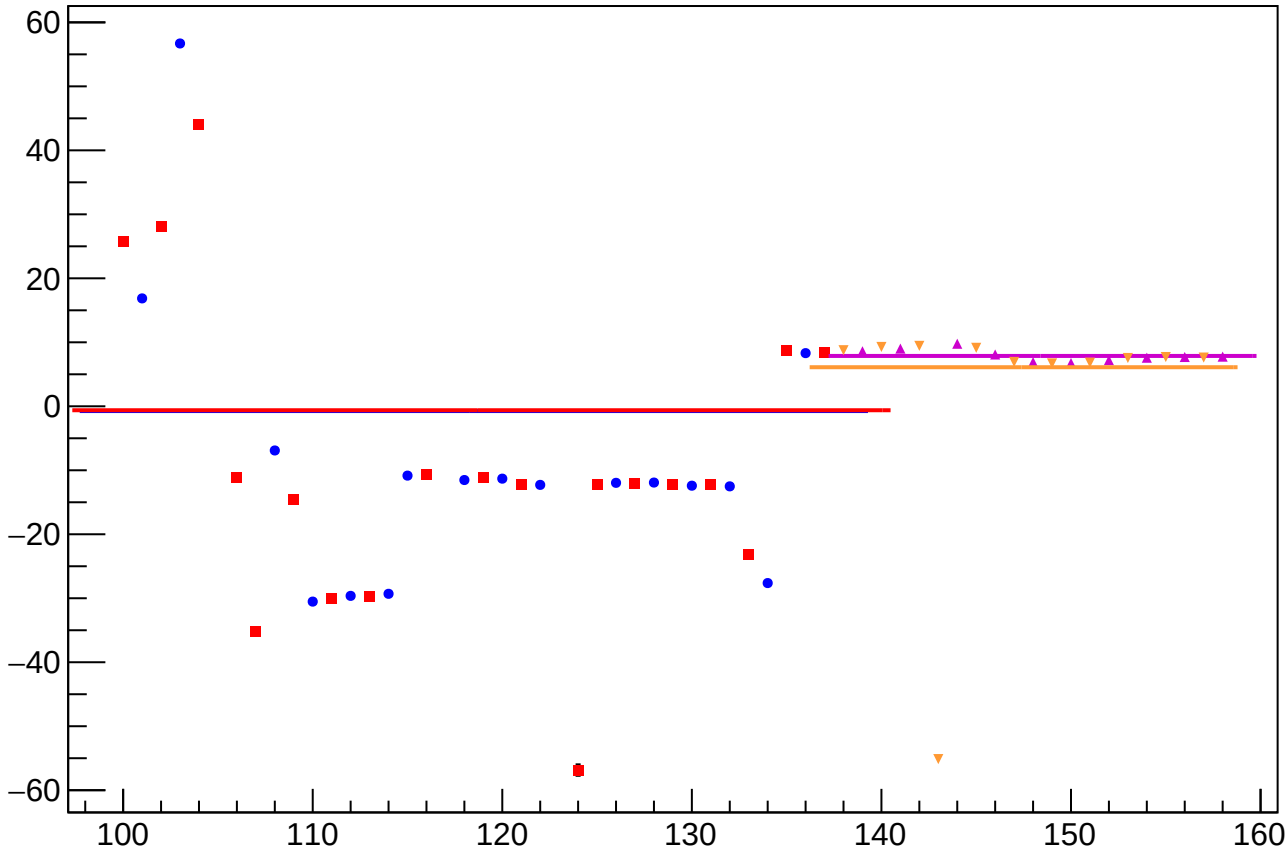
Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -4.094+/-0.398 χ^2/NDF:83.8/9

+ sign 1.870+/-0.342 χ^2/NDF: 998.4/26

All: 0.916+/-0.240 χ^2/NDF: 1945.2/55

- sign -0.017+/-0.338 χ^2/NDF: 931.3/28



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 6.105+/-0.019 χ^2/NDF:311406.5/10

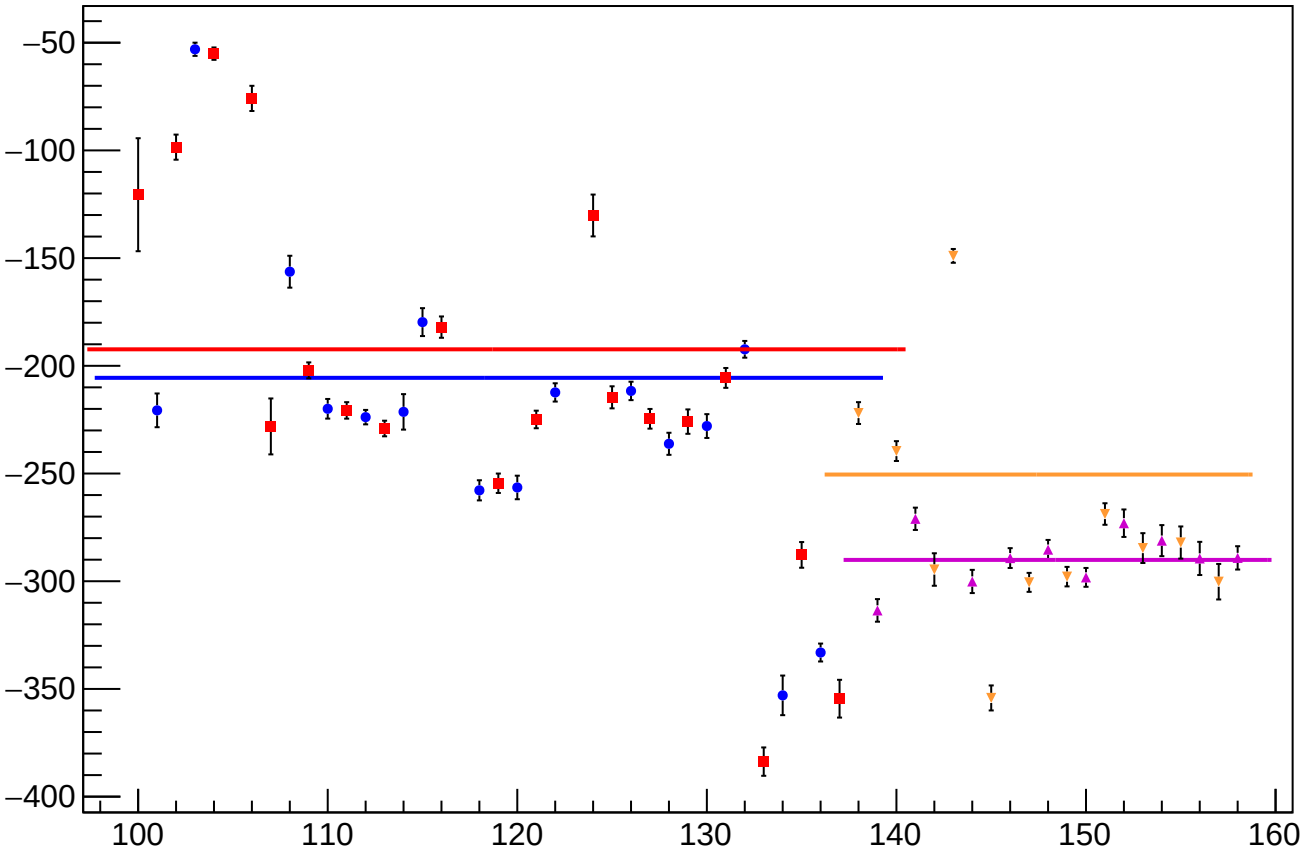
Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 7.869+/-0.018 χ^2/NDF:2109.4/9

+ sign 4.634+/-0.017 χ^2/NDF: 708020.7/26

All: 5.479+/-0.012 χ^2/NDF: 1073646.0/55

- sign 6.278+/-0.016 χ^2/NDF: 360598.3/28



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -250.471+/-1.535 χ^2/NDF:1722.4/10

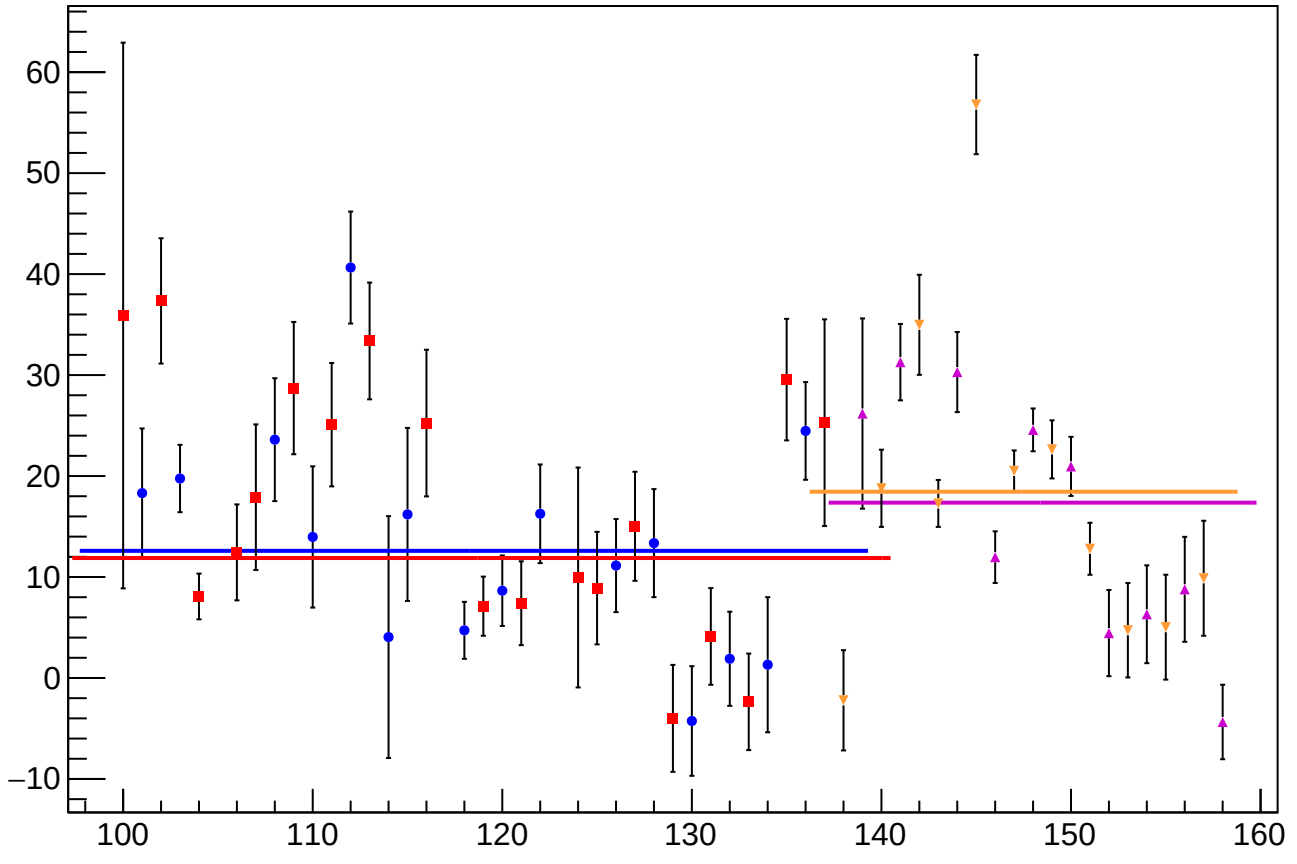
Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -290.102+/-1.686 χ^2/NDF:50.3/9

\+ sign -222.337+/-0.938 χ^2/NDF: 6314.5/26

All: -222.351+/-0.662 χ^2/NDF: 13663.7/55

\- sign -222.365+/-0.934 χ^2/NDF: 7349.3/28



Right In: 12.592+/-1.203 χ^2/NDF: 68.5/15

Left Out: 18.448+/-0.997 χ^2/NDF:115.0/10

Right Out: 11.880+/-1.122 χ^2/NDF: 84.9/18

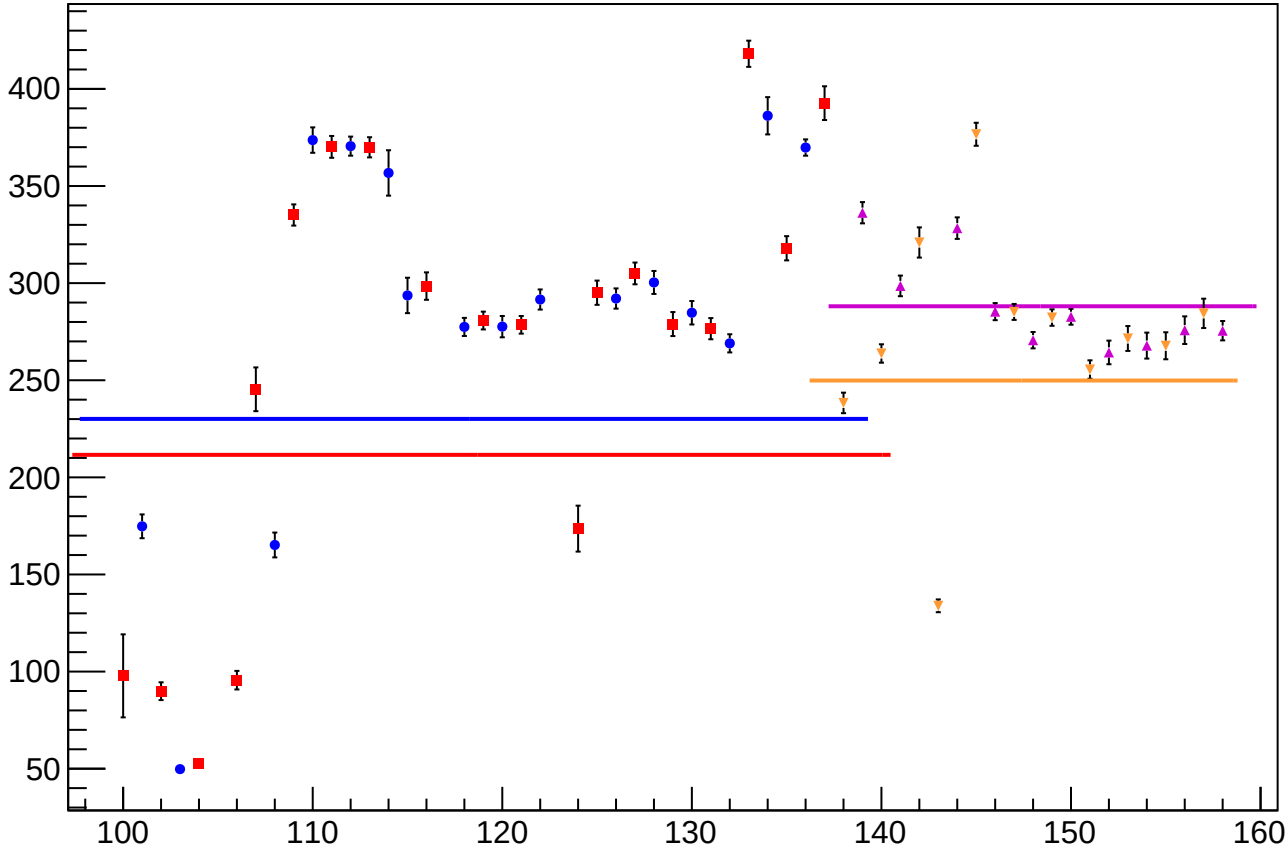
Left In: 17.364+/-1.088 χ^2/NDF:94.3/9

+ sign 16.063+/-0.768 χ^2/NDF: 197.6/26

All: 15.395+/-0.547 χ^2/NDF: 390.7/55

- sign 14.705+/-0.781 χ^2/NDF: 191.6/28

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 230.095+/-1.260 χ^2/NDF: 9375.6/15

Left Out: 249.854+/-1.508 χ^2/NDF:1964.7/10

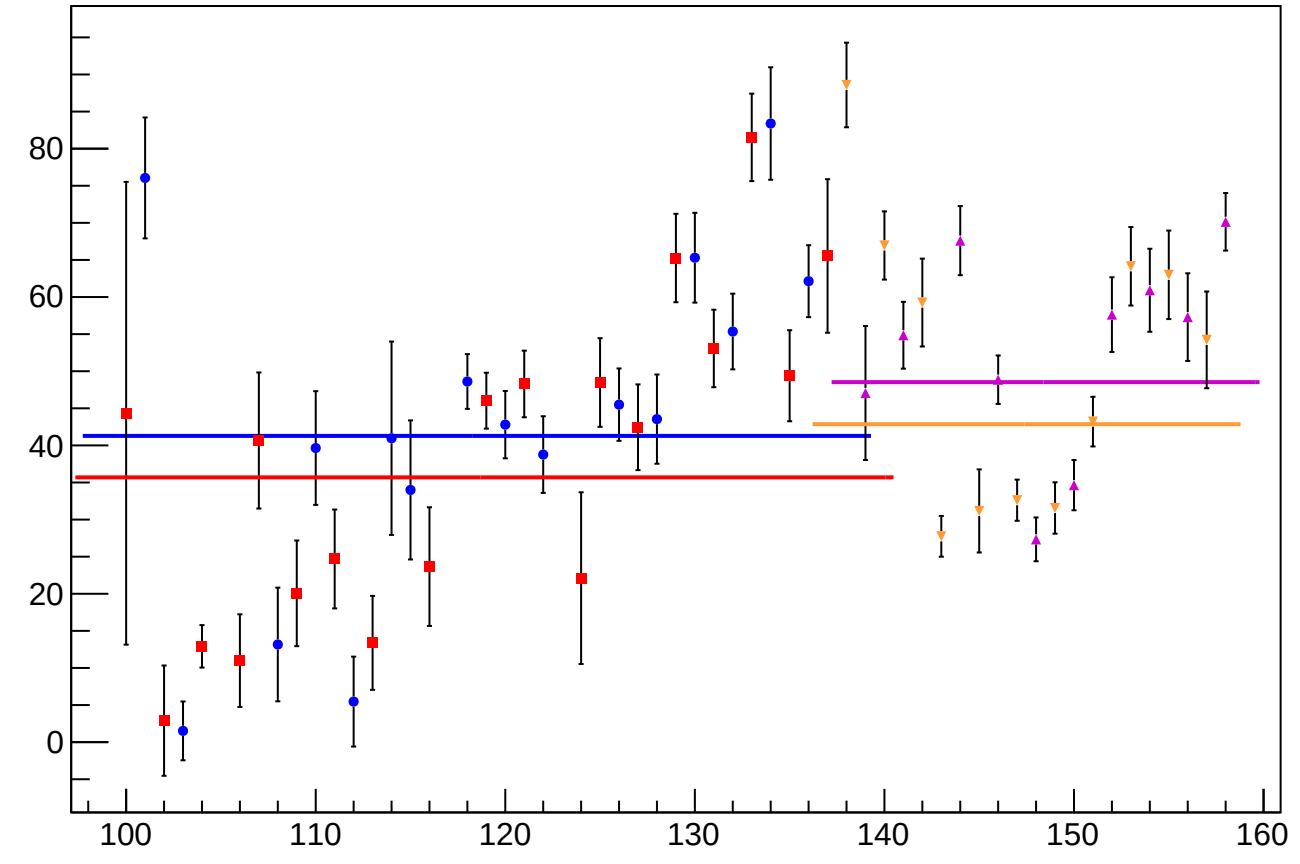
Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 288.082+/-1.625 χ^2/NDF:187.2/9

+ sign 238.213+/-0.967 χ^2/NDF: 11441.4/26

All: 238.327+/-0.682 χ^2/NDF: 24538.4/55

- sign 238.440+/-0.963 χ^2/NDF: 13097.0/28



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 42.853+/-1.230 χ^2/NDF:188.9/10

Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

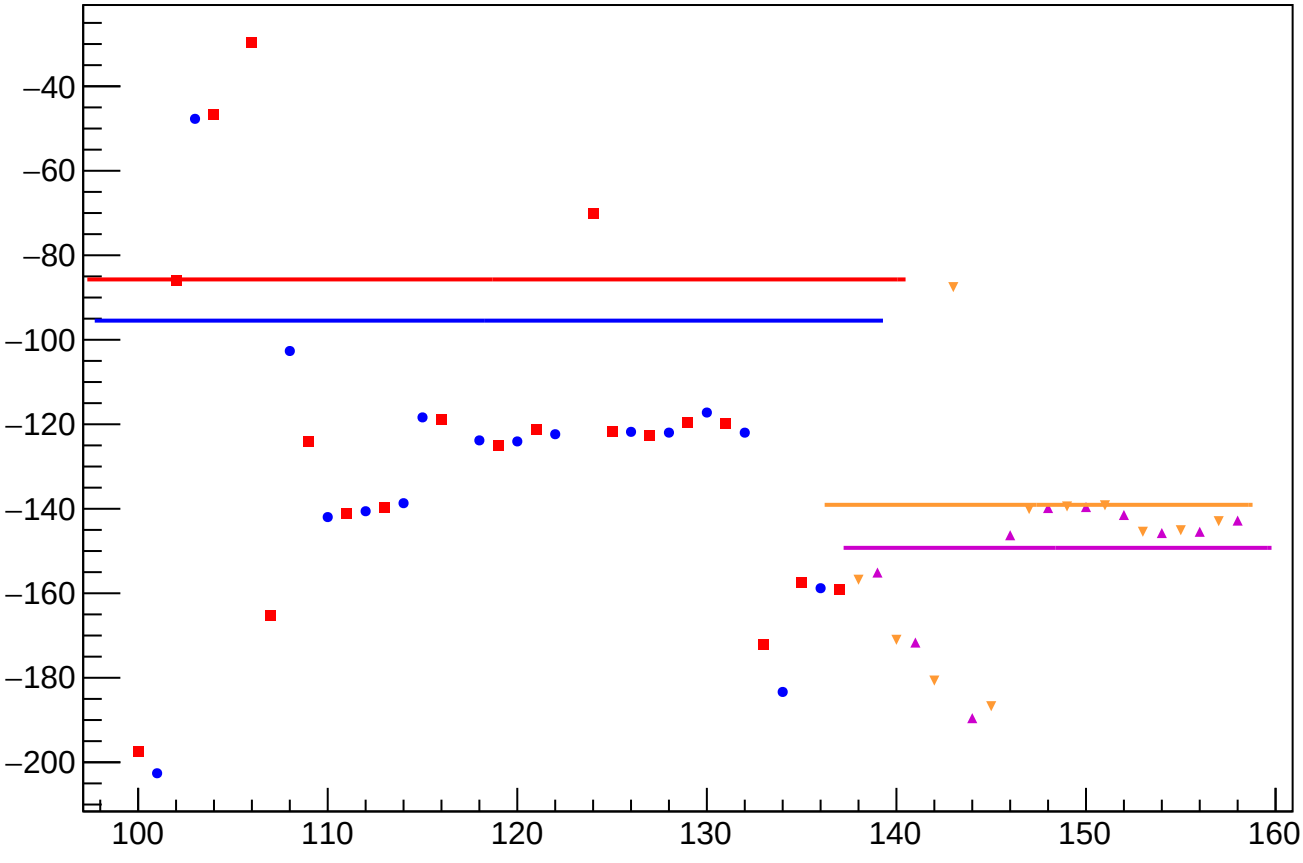
Left In: 48.530+/-1.324 χ^2/NDF:128.6/9

\+ sign 42.167+/-0.924 χ^2/NDF: 435.3/26

All: 42.121+/-0.657 χ^2/NDF: 864.4/55

\- sign 42.075+/-0.934 χ^2/NDF: 429.0/28

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -139.063+/-0.061 χ^2/NDF:230449.3/10

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

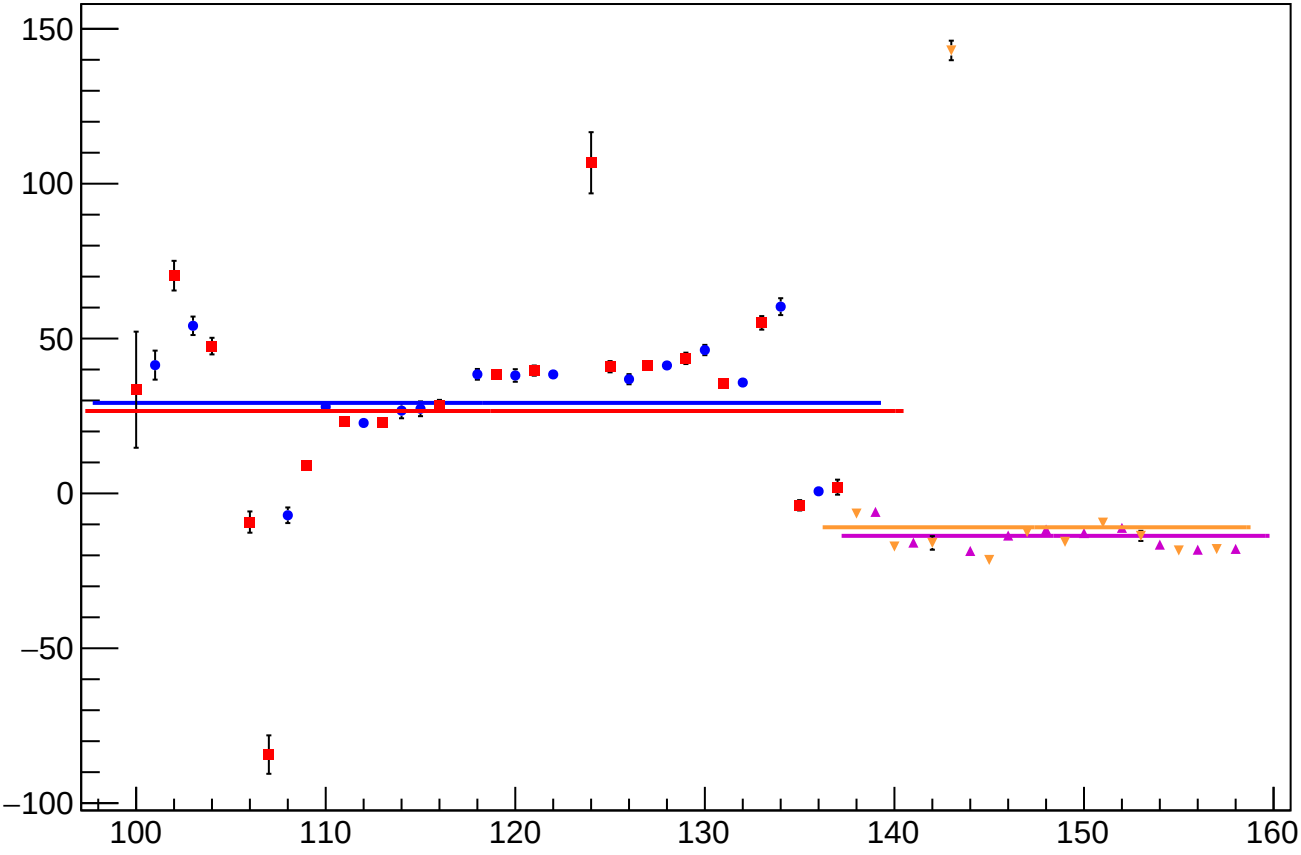
Left In: -149.247+/-0.063 χ^2/NDF:47609.2/9

+ sign -120.138+/-0.046 χ^2/NDF: 973362.4/26

All: -119.871+/-0.032 χ^2/NDF: 1983986.4/55

- sign -119.606+/-0.046 χ^2/NDF: 1010556.4/28

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -10.933+/-0.467 χ^2/NDF:2525.3/10

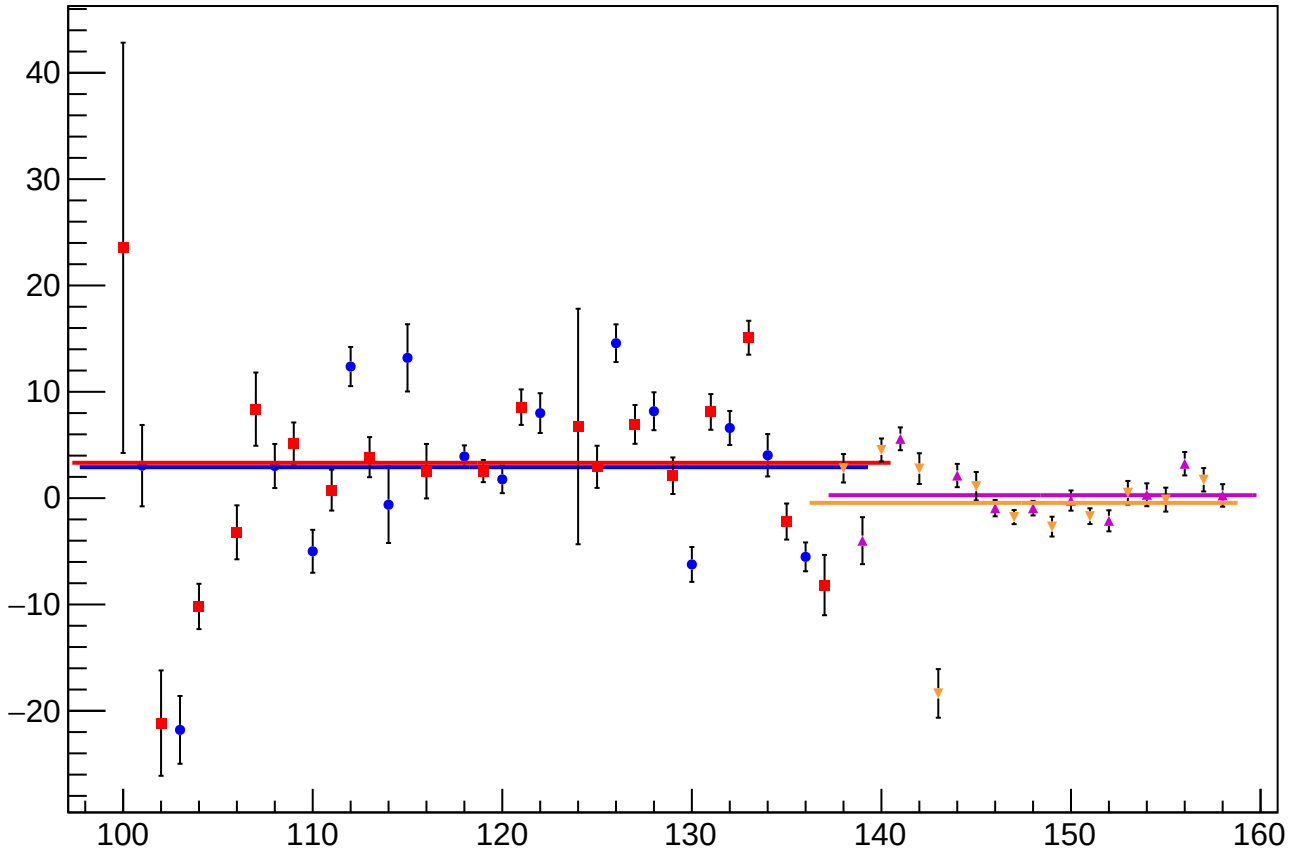
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -13.700+/-0.457 χ^2/NDF:76.8/9

\+ sign 11.082+/-0.314 χ^2/NDF: 7916.9/26

All: 9.739+/-0.220 χ^2/NDF: 14217.7/55

\- sign 8.455+/-0.307 χ^2/NDF: 6265.0/28



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: -0.442+/-0.312 χ^2/NDF:112.2/10

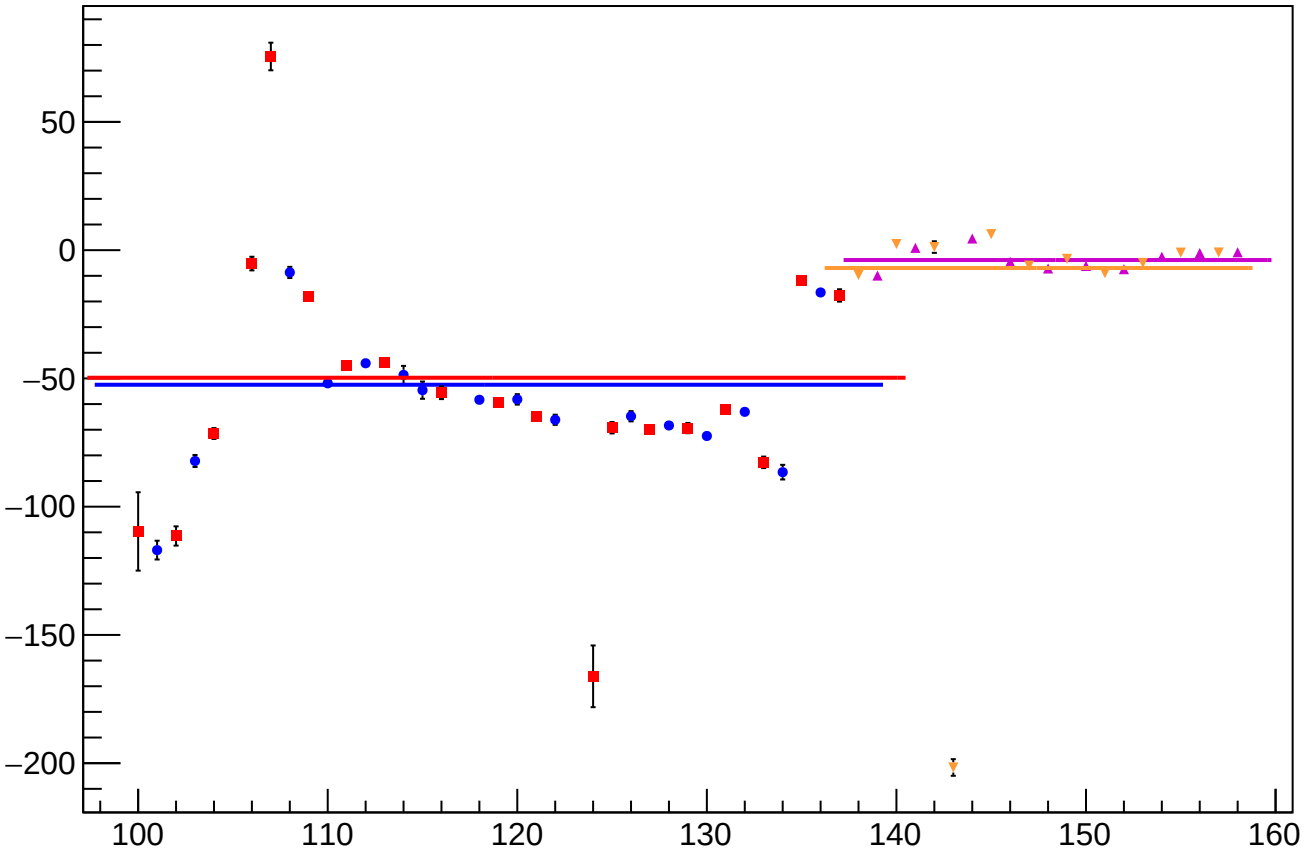
Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.277+/-0.309 χ^2/NDF:50.2/9

+ sign 0.670+/-0.255 χ^2/NDF: 400.6/26

All: 0.956+/-0.180 χ^2/NDF: 666.0/55

- sign 1.243+/-0.255 χ^2/NDF: 262.8/28



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -6.952+/-0.454 χ^2/NDF:3783.9/10

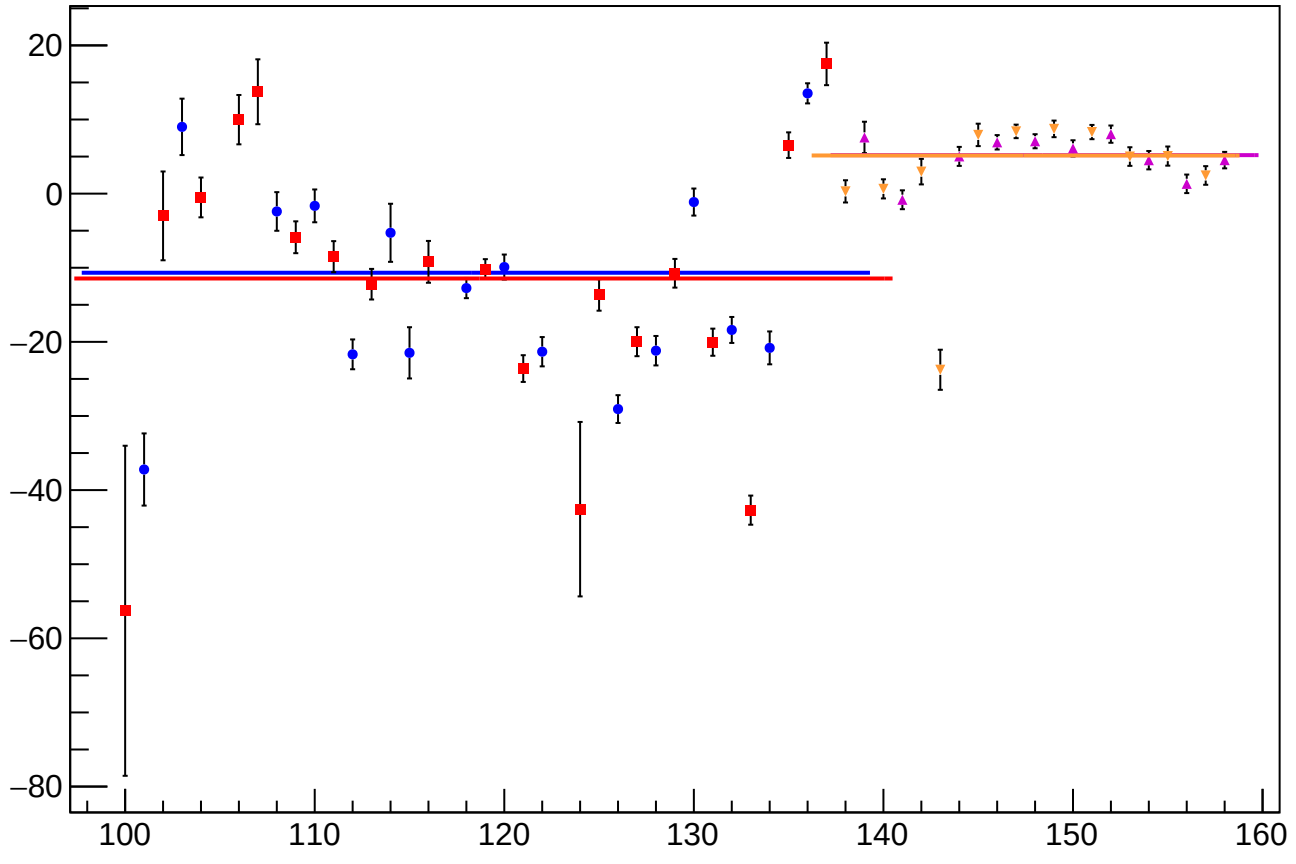
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -3.846+/-0.442 χ^2/NDF:87.3/9

+ sign -28.085+/-0.332 χ^2/NDF: 10778.3/26

All: -26.152+/-0.234 χ^2/NDF: 18732.7/55

- sign -24.254+/-0.329 χ^2/NDF: 7887.4/28



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 5.148+/-0.381 χ^2/NDF:180.2/10

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

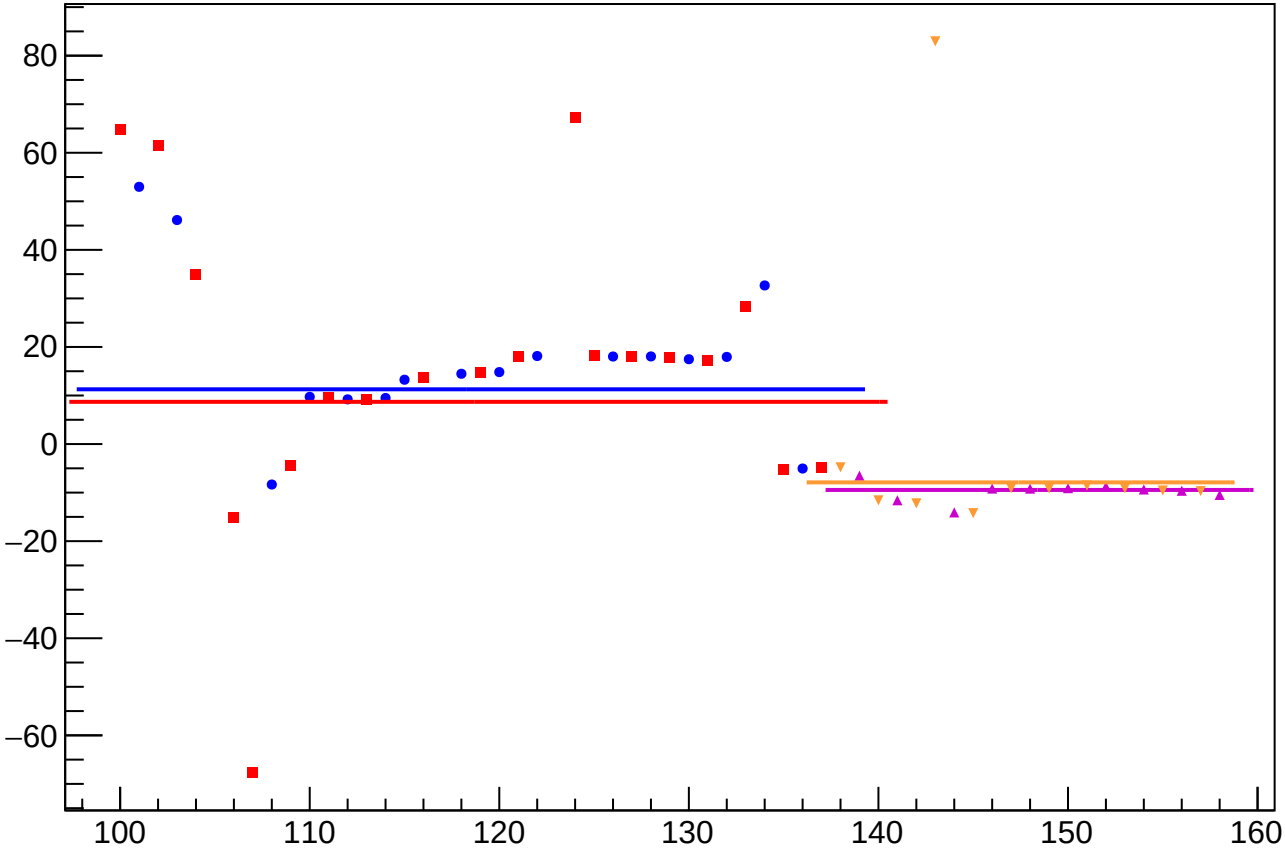
Left In: 5.194+/-0.370 χ^2/NDF:47.6/9

+ sign -0.578+/-0.304 χ^2/NDF: 1471.9/26

All: -0.522+/-0.214 χ^2/NDF: 2871.7/55

- sign -0.467+/-0.301 χ^2/NDF: 1399.8/28

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -7.894+/-0.017 χ^2/NDF:476479.1/10

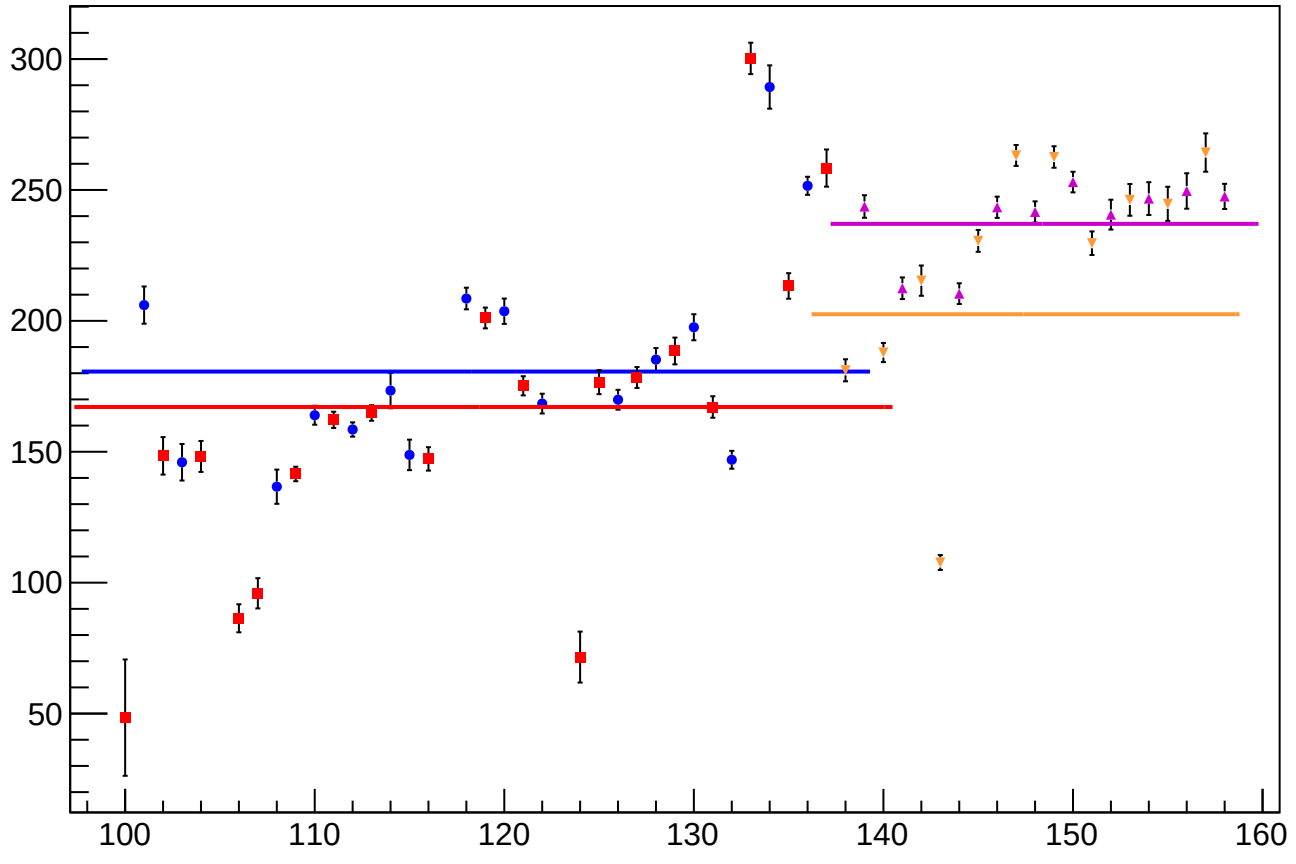
Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.453+/-0.017 χ^2/NDF:10727.4/9

\+ sign -3.019+/-0.015 χ^2/NDF: 1131927.7/26

All: -4.284+/-0.011 χ^2/NDF: 1853206.7/55

\- sign -5.483+/-0.015 χ^2/NDF: 707590.7/28



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 202.530+/-1.310 χ^2/NDF:1852.1/10

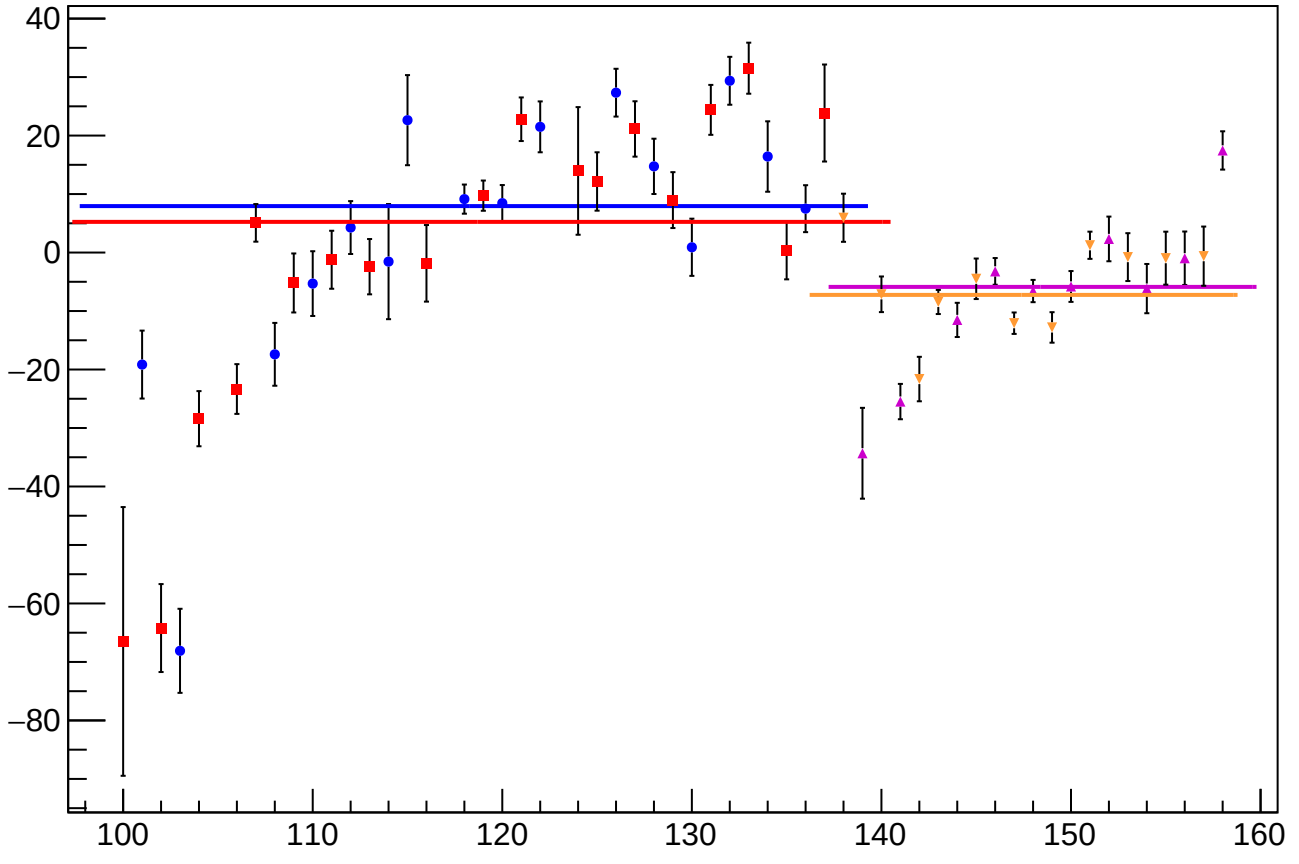
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 237.044+/-1.438 χ^2/NDF:114.1/9

+ sign 189.590+/-0.838 χ^2/NDF: 3010.7/26

All: 190.070+/-0.590 χ^2/NDF: 6183.5/55

- sign 190.544+/-0.832 χ^2/NDF: 3172.2/28



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -7.242+/-0.866 χ^2/NDF:56.6/10

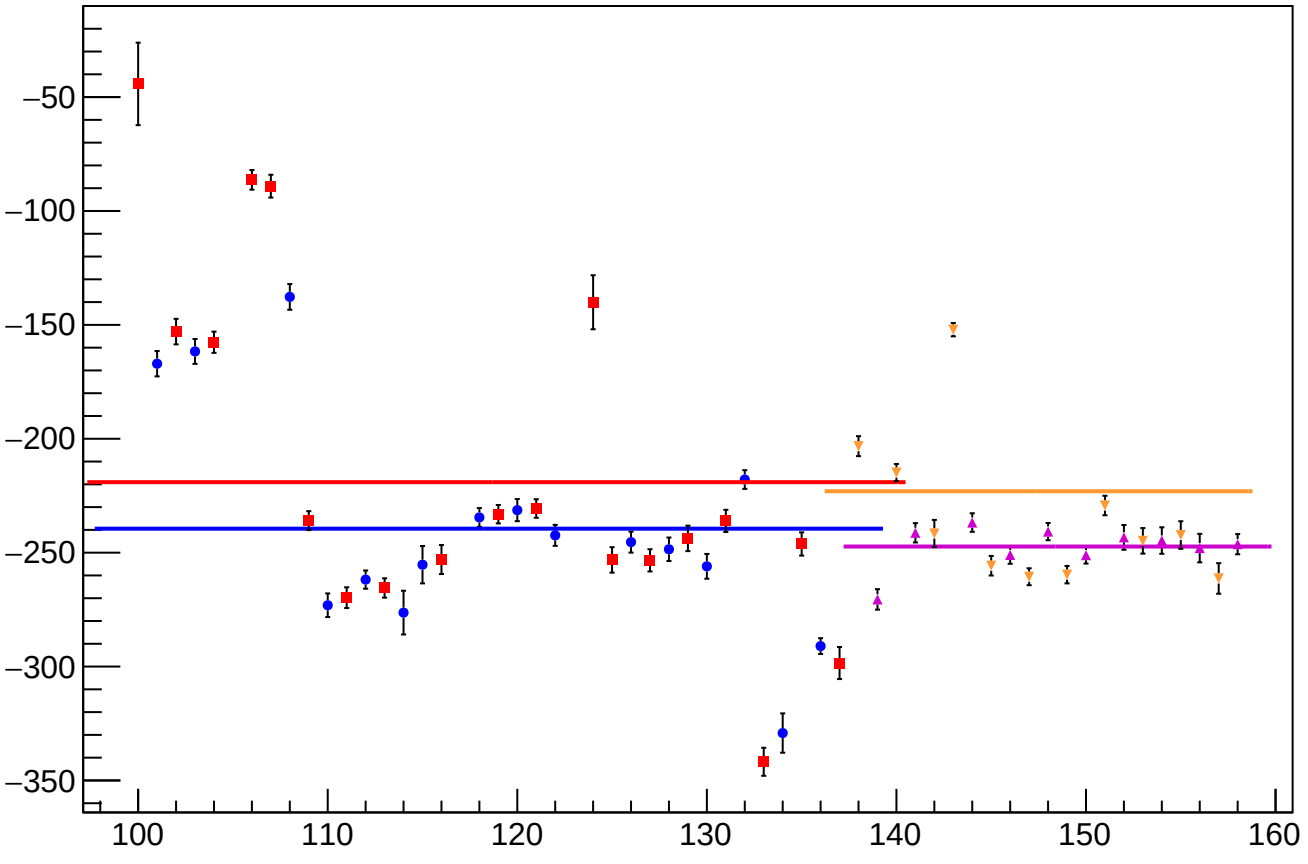
Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -5.873+/-0.944 χ^2/NDF:117.3/9

+ sign -1.515+/-0.684 χ^2/NDF: 405.3/26

All: -1.248+/-0.491 χ^2/NDF: 887.0/55

- sign -0.964+/-0.706 χ^2/NDF: 481.4/28



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -223.032+/-1.293 χ^2/NDF:934.7/10

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

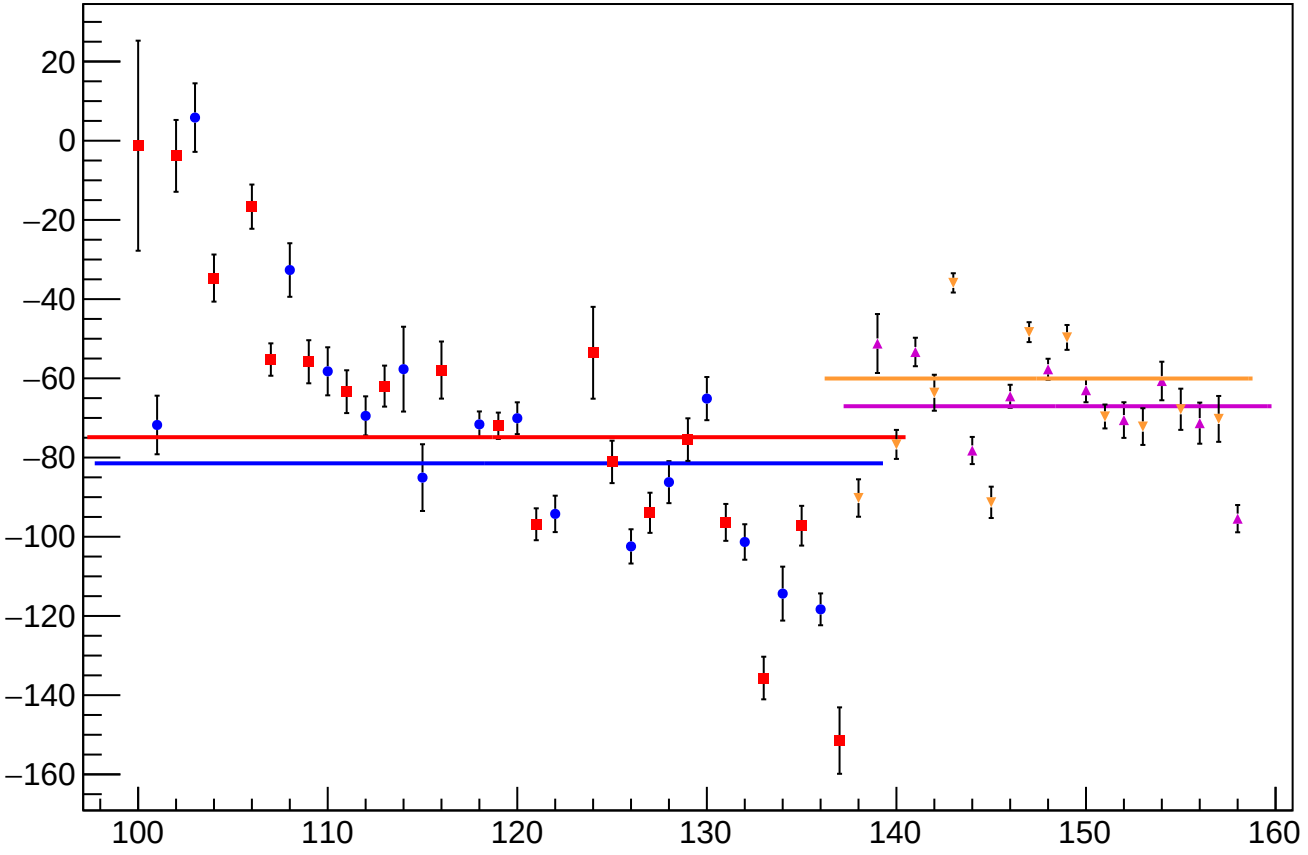
Left In: -247.311+/-1.393 χ^2/NDF:41.2/9

+ sign -231.559+/-0.897 χ^2/NDF: 2180.7/26

All: -231.187+/-0.635 χ^2/NDF: 5511.7/55

- sign -230.814+/-0.899 χ^2/NDF: 3330.7/28

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -60.044+/-1.064 χ^2/NDF:277.6/10

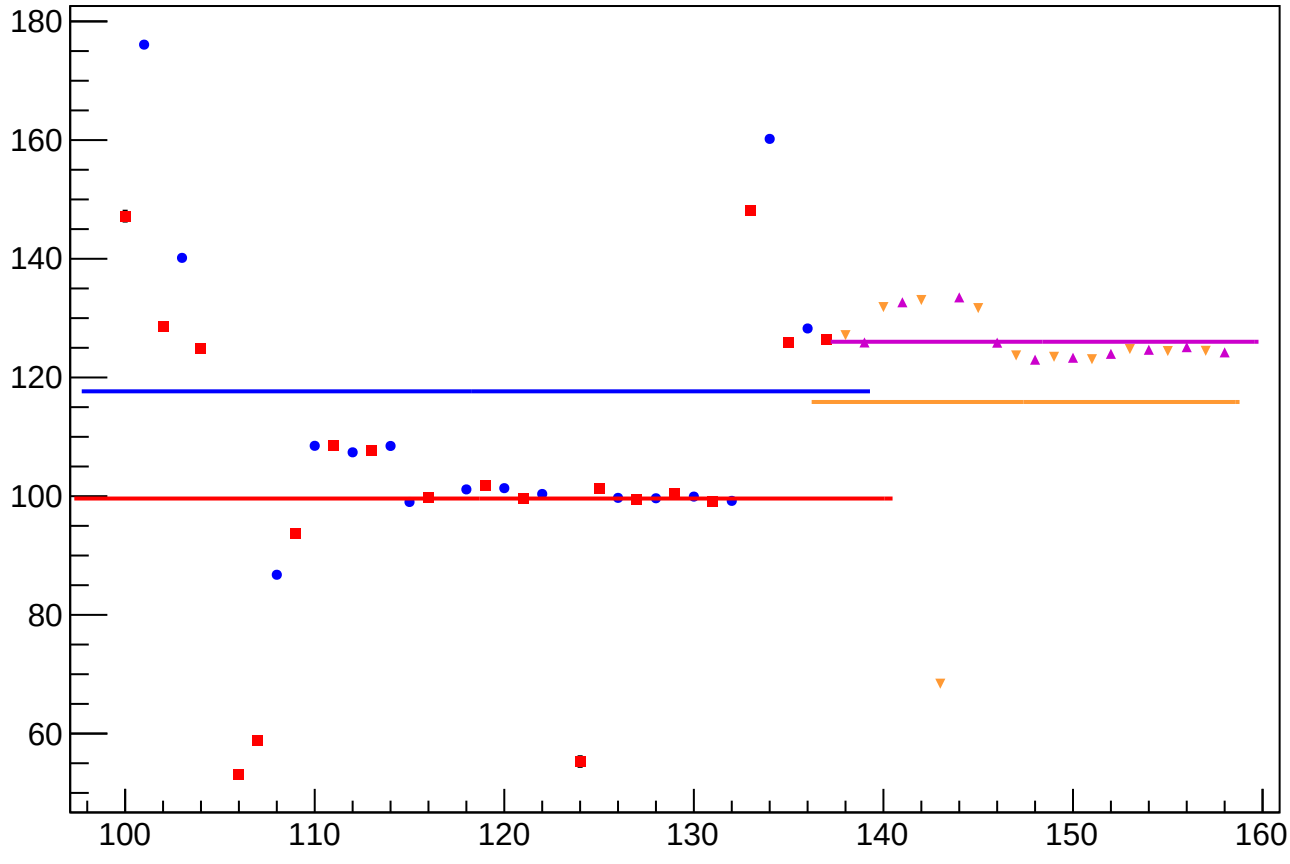
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -67.042+/-1.145 χ^2/NDF:115.6/9

+ sign -68.742+/-0.820 χ^2/NDF: 808.6/26

All: -69.687+/-0.586 χ^2/NDF: 1525.2/55

- sign -70.673+/-0.838 χ^2/NDF: 713.8/28



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 115.872+/-0.052 χ^2/NDF:190704.1/10

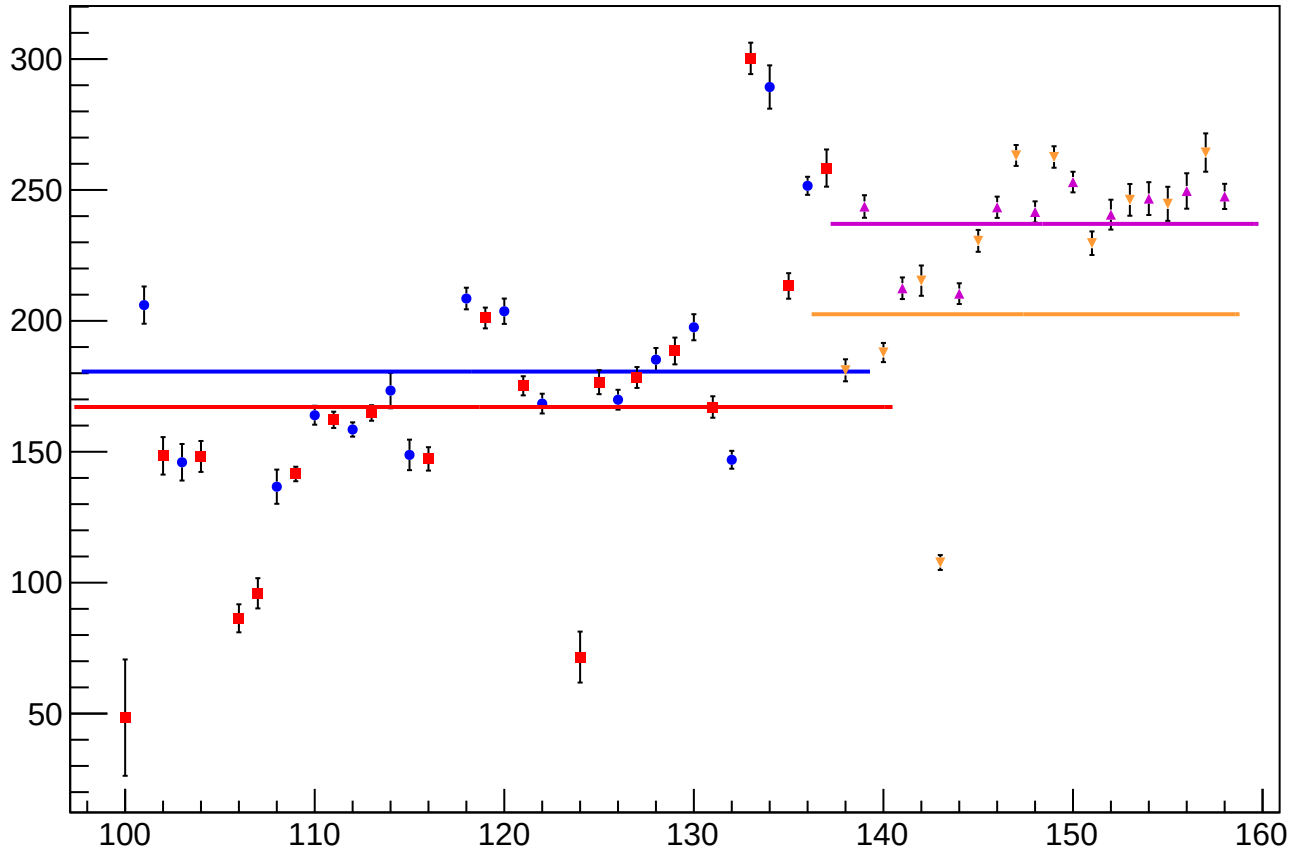
Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 126.018+/-0.054 χ^2/NDF:4171.3/9

+ sign 116.424+/-0.043 χ^2/NDF: 286465.0/26

All: 116.332+/-0.030 χ^2/NDF: 545794.7/55

- sign 116.242+/-0.043 χ^2/NDF: 259320.7/28



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 202.530+/-1.310 χ^2/NDF:1852.1/10

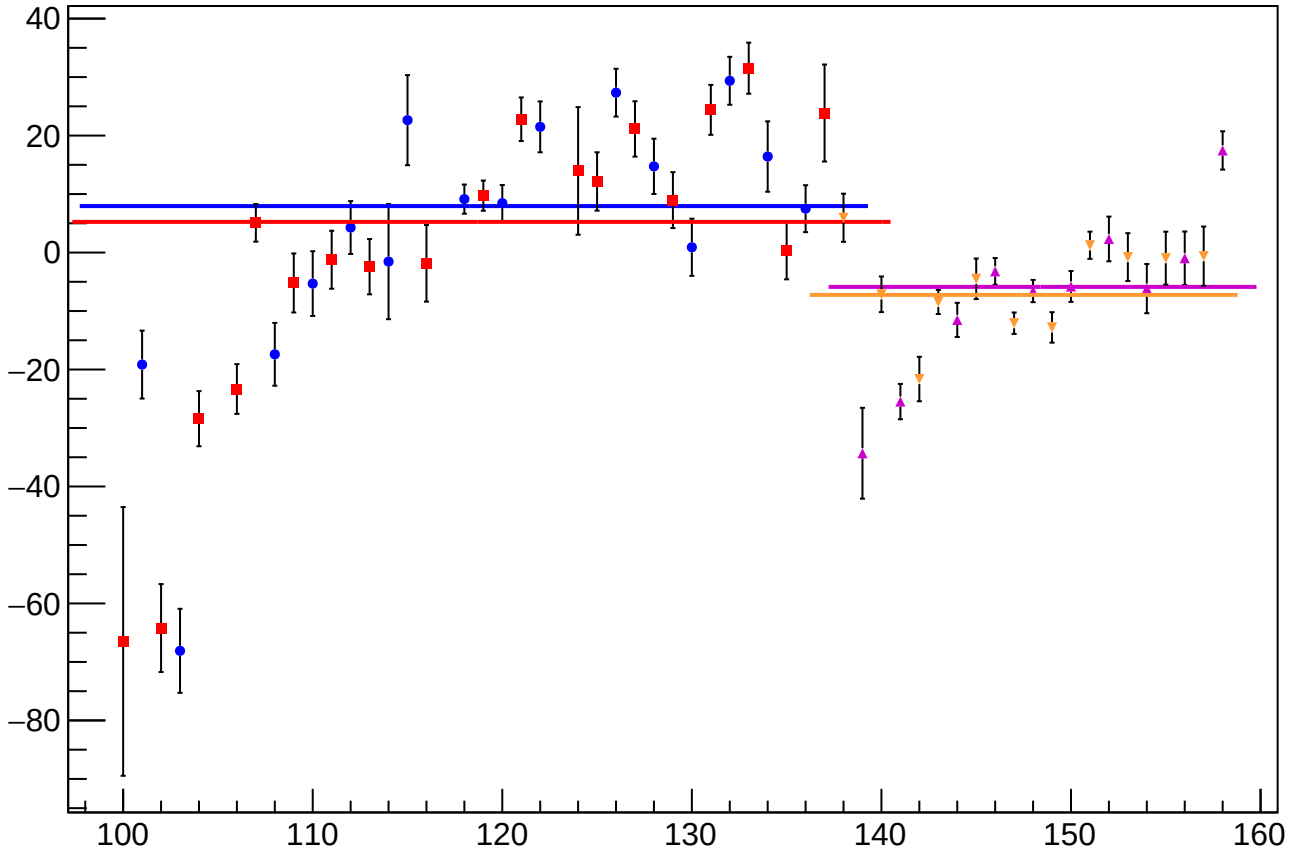
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 237.044+/-1.438 χ^2/NDF:114.1/9

+ sign 189.590+/-0.838 χ^2/NDF: 3010.7/26

All: 190.070+/-0.590 χ^2/NDF: 6183.5/55

- sign 190.544+/-0.832 χ^2/NDF: 3172.2/28



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -7.242+/-0.866 χ^2/NDF:56.6/10

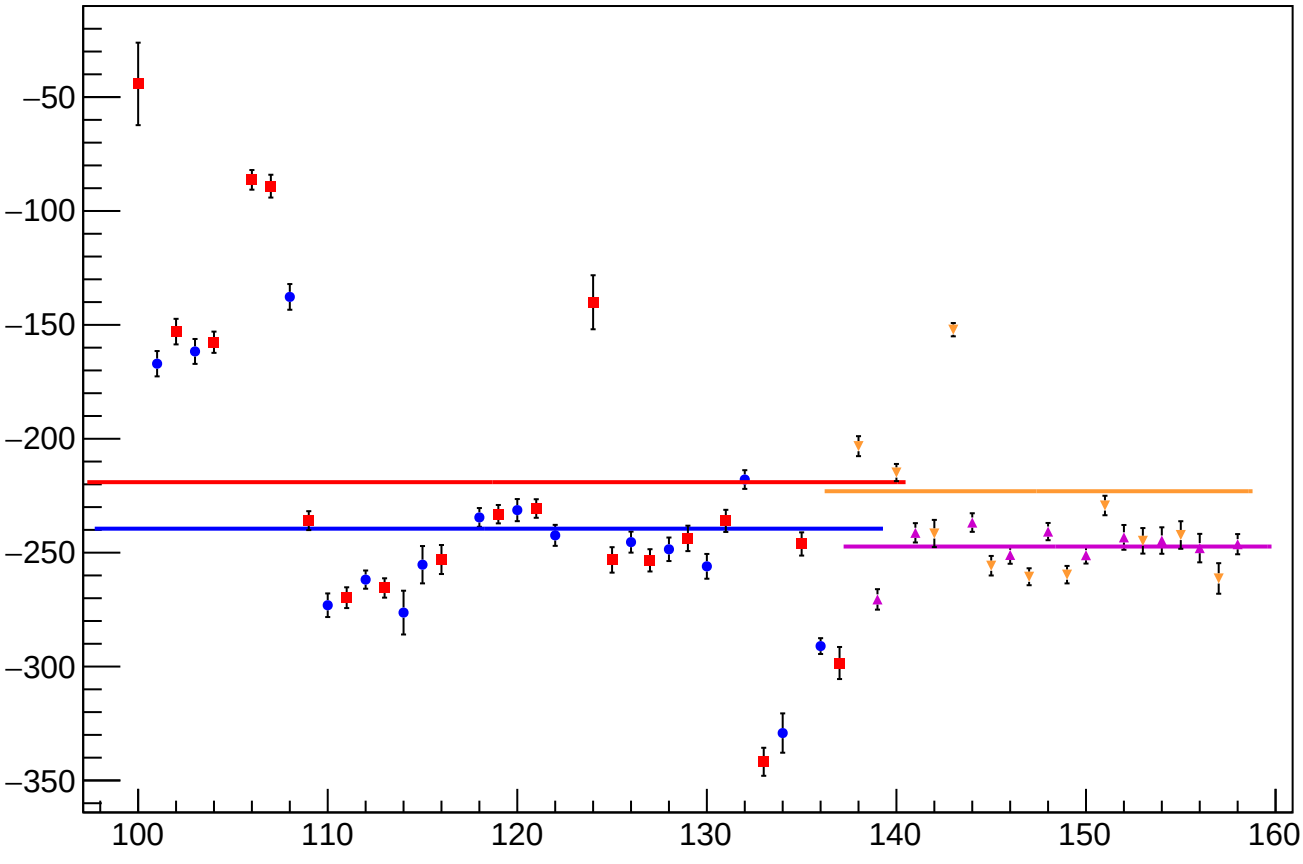
Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -5.873+/-0.944 χ^2/NDF:117.3/9

+ sign -1.515+/-0.684 χ^2/NDF: 405.3/26

All: -1.248+/-0.491 χ^2/NDF: 887.0/55

- sign -0.964+/-0.706 χ^2/NDF: 481.4/28



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -223.032+/-1.293 χ^2/NDF:934.7/10

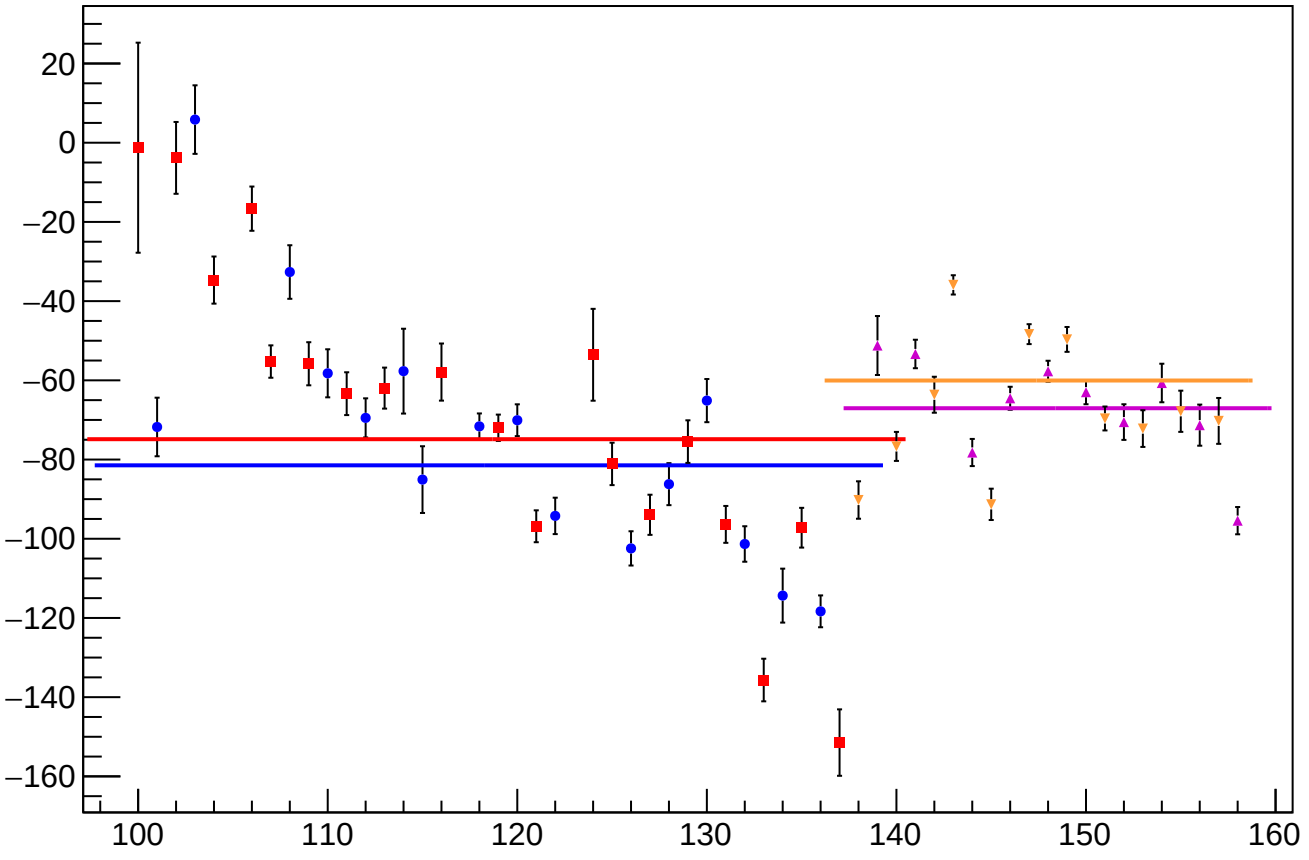
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -247.311+/-1.393 χ^2/NDF:41.2/9

+ sign -231.559+/-0.897 χ^2/NDF: 2180.7/26

All: -231.187+/-0.635 χ^2/NDF: 5511.7/55

- sign -230.814+/-0.899 χ^2/NDF: 3330.7/28



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -60.044+/-1.064 χ^2/NDF:277.6/10

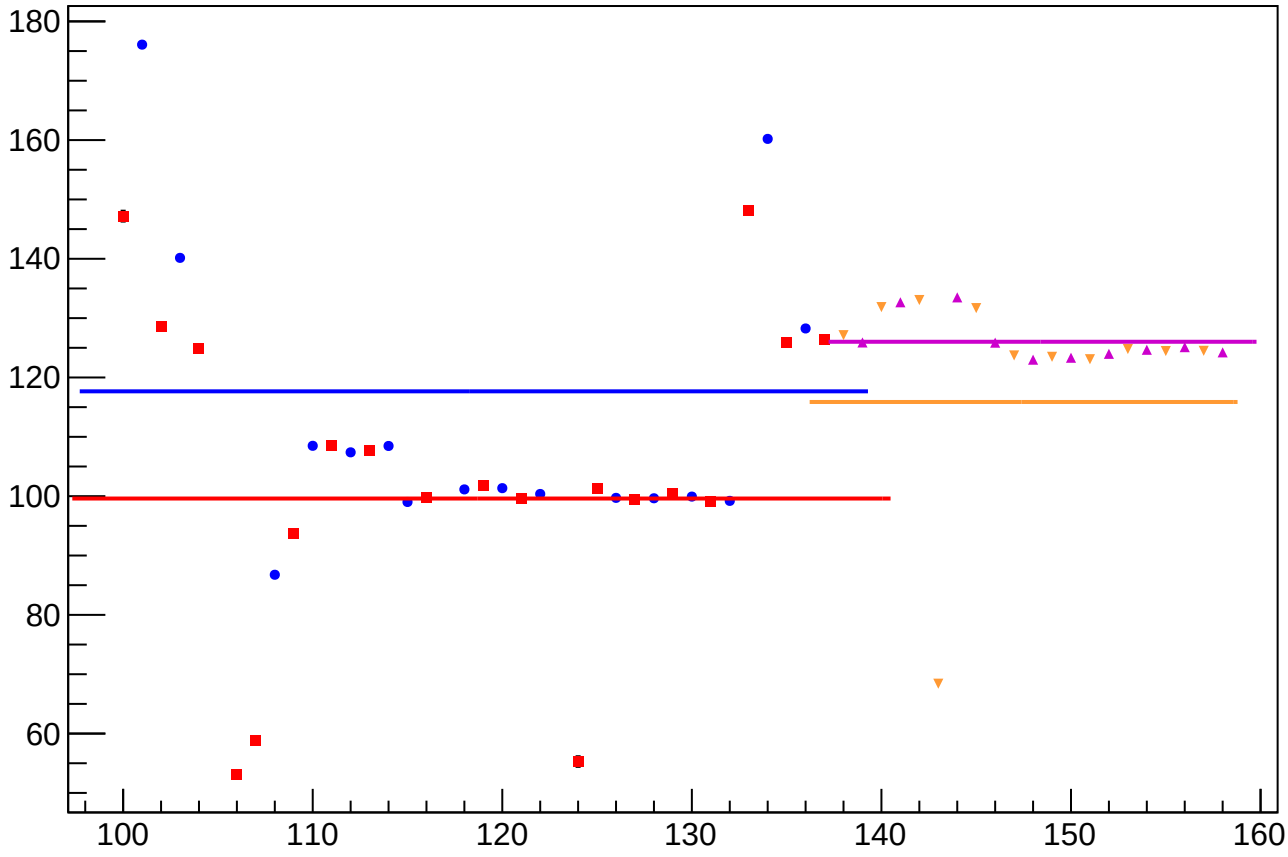
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -67.042+/-1.145 χ^2/NDF:115.6/9

+ sign -68.742+/-0.820 χ^2/NDF: 808.6/26

All: -69.687+/-0.586 χ^2/NDF: 1525.2/55

- sign -70.673+/-0.838 χ^2/NDF: 713.8/28



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 115.872+/-0.052 χ^2/NDF:190704.1/10

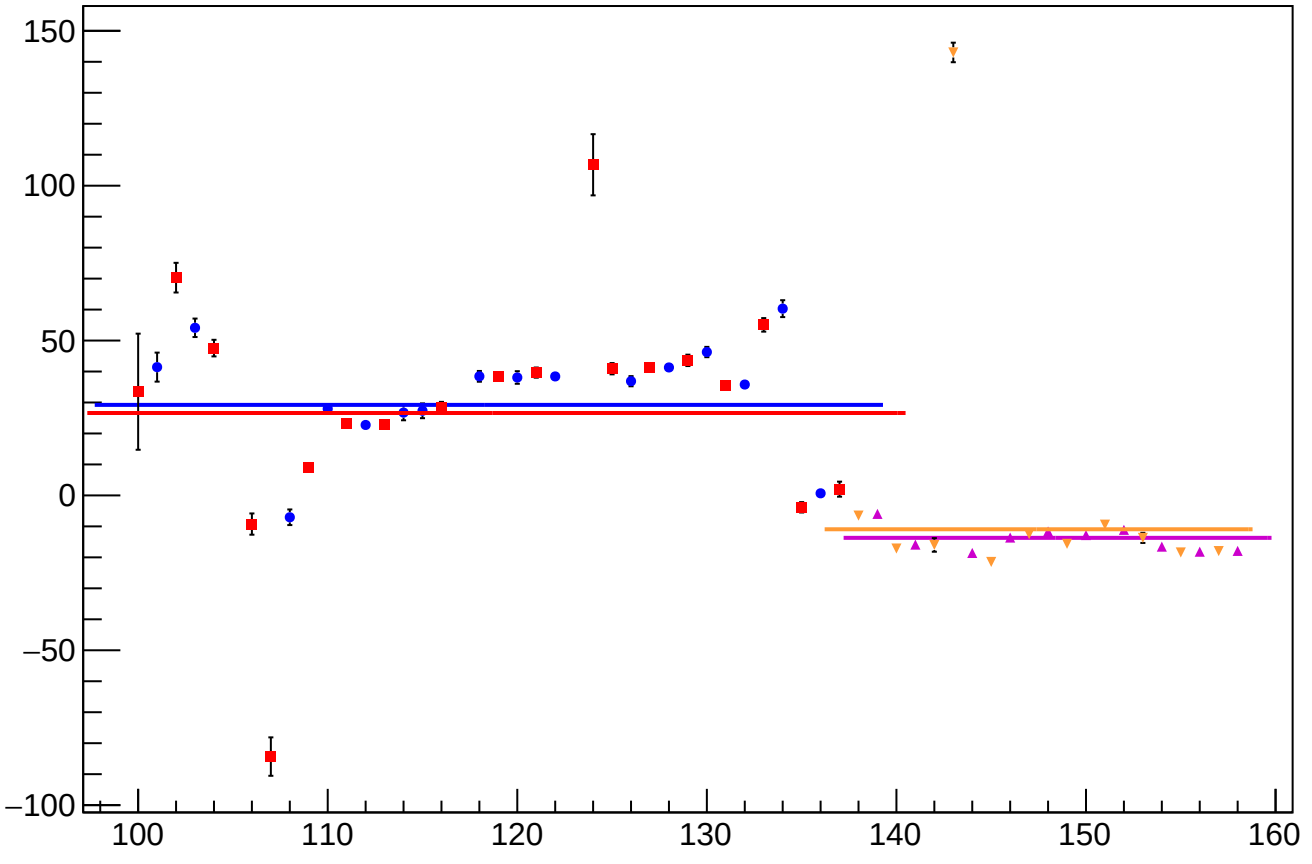
Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 126.018+/-0.054 χ^2/NDF:4171.3/9

+ sign 116.424+/-0.043 χ^2/NDF: 286465.0/26

All: 116.332+/-0.030 χ^2/NDF: 545794.7/55

- sign 116.242+/-0.043 χ^2/NDF: 259320.7/28



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -10.933+/-0.467 χ^2/NDF:2525.3/10

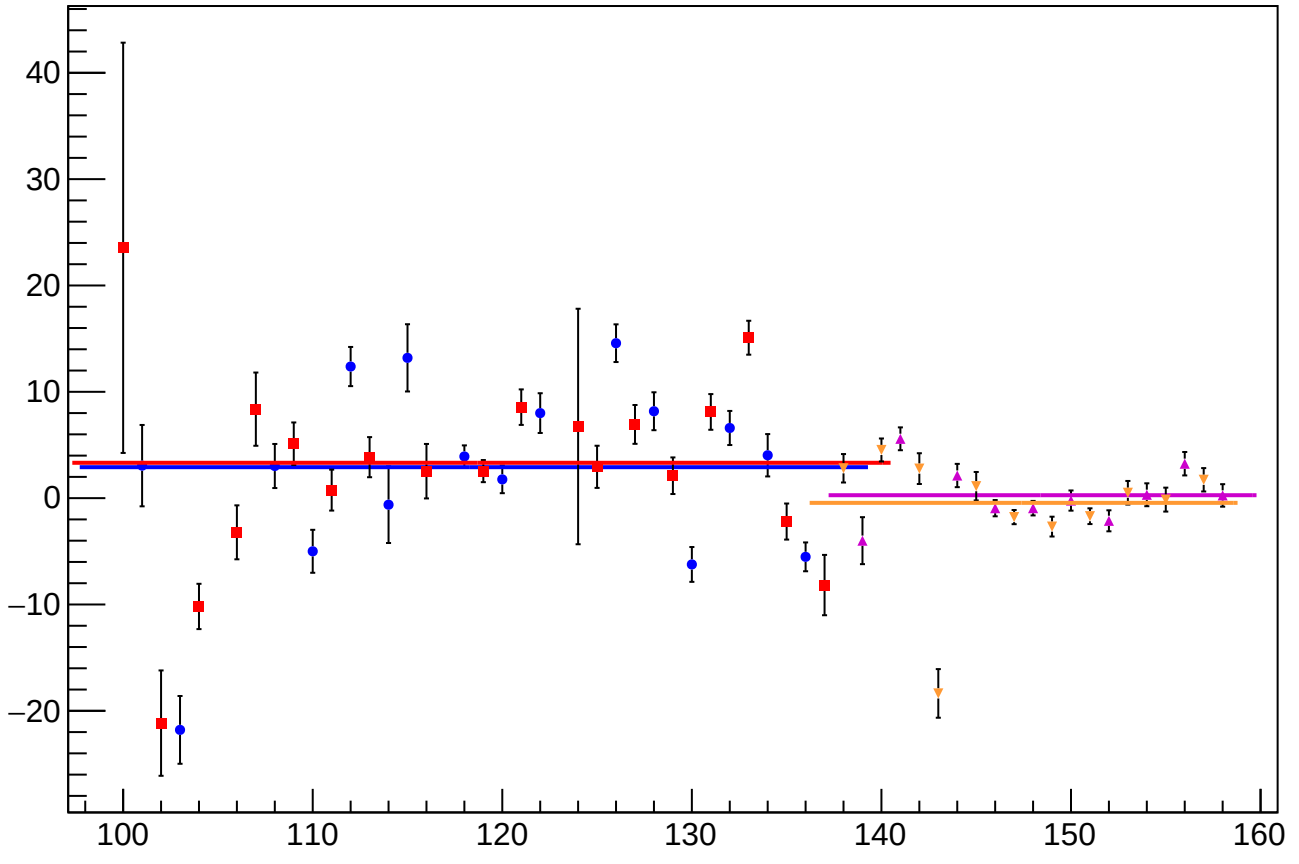
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -13.700+/-0.457 χ^2/NDF:76.8/9

\+ sign 11.082+/-0.314 χ^2/NDF: 7916.9/26

All: 9.739+/-0.220 χ^2/NDF: 14217.7/55

\- sign 8.455+/-0.307 χ^2/NDF: 6265.0/28



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: -0.442+/-0.312 χ^2/NDF:112.2/10

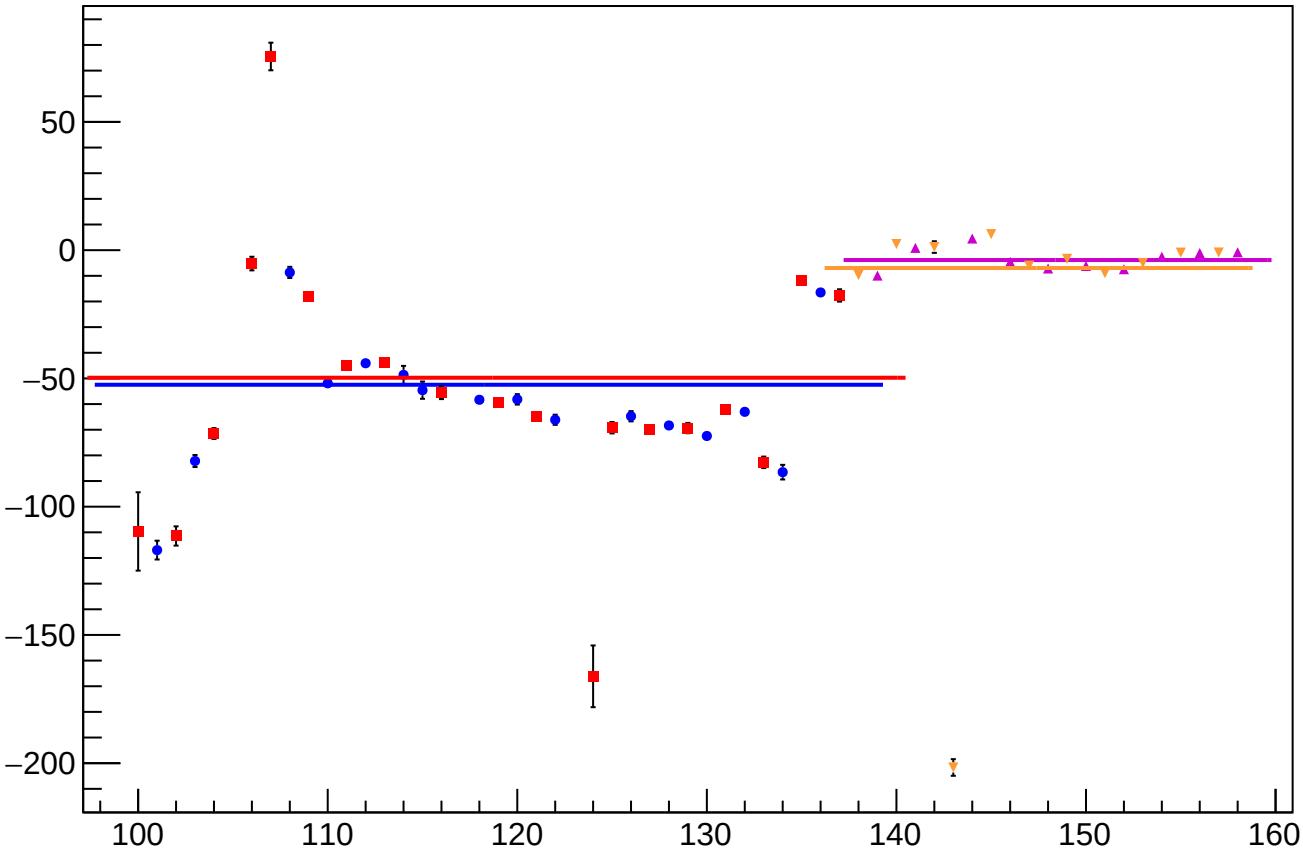
Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.277+/-0.309 χ^2/NDF:50.2/9

+ sign 0.670+/-0.255 χ^2/NDF: 400.6/26

All: 0.956+/-0.180 χ^2/NDF: 666.0/55

- sign 1.243+/-0.255 χ^2/NDF: 262.8/28



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -6.952+/-0.454 χ^2/NDF:3783.9/10

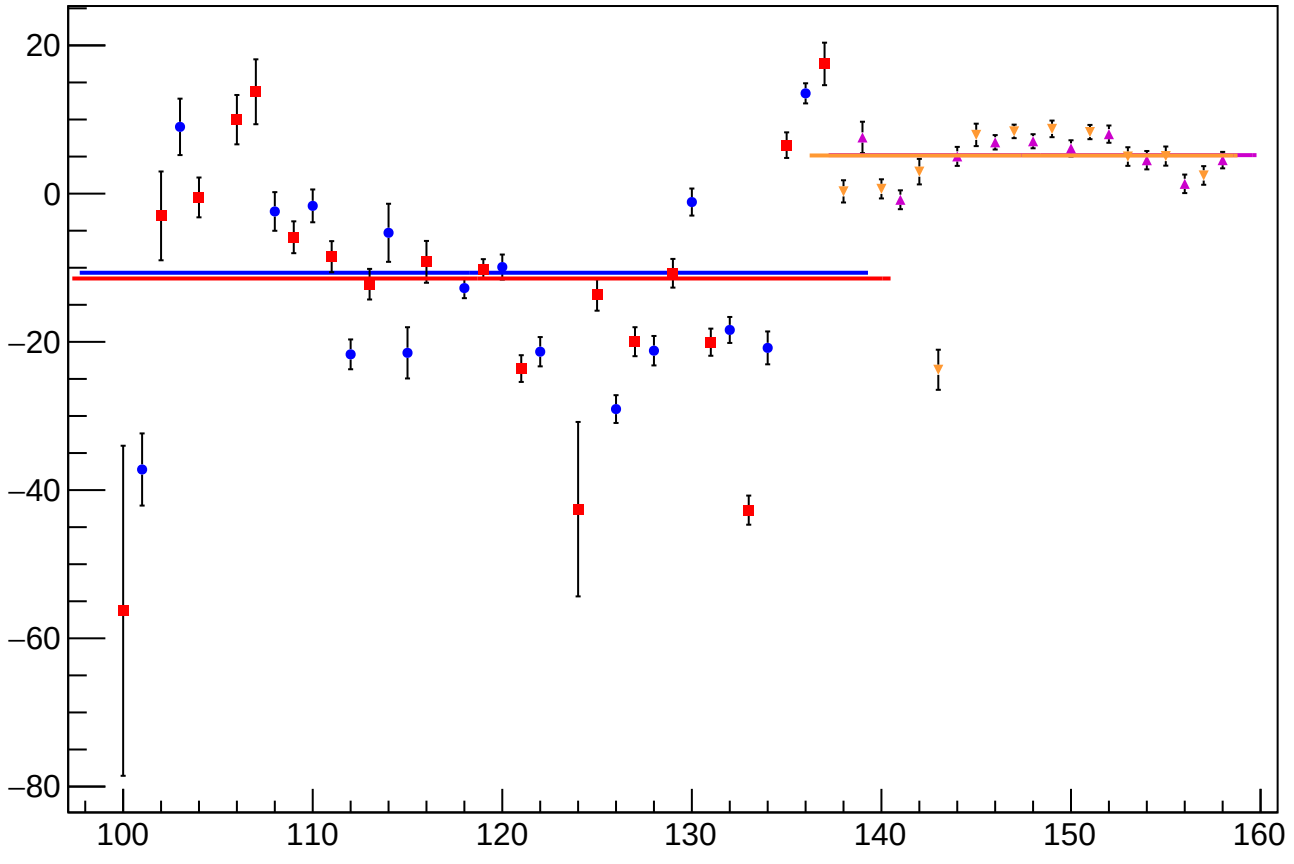
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -3.846+/-0.442 χ^2/NDF:87.3/9

+ sign -28.085+/-0.332 χ^2/NDF: 10778.3/26

All: -26.152+/-0.234 χ^2/NDF: 18732.7/55

- sign -24.254+/-0.329 χ^2/NDF: 7887.4/28



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 5.148+/-0.381 χ^2/NDF:180.2/10

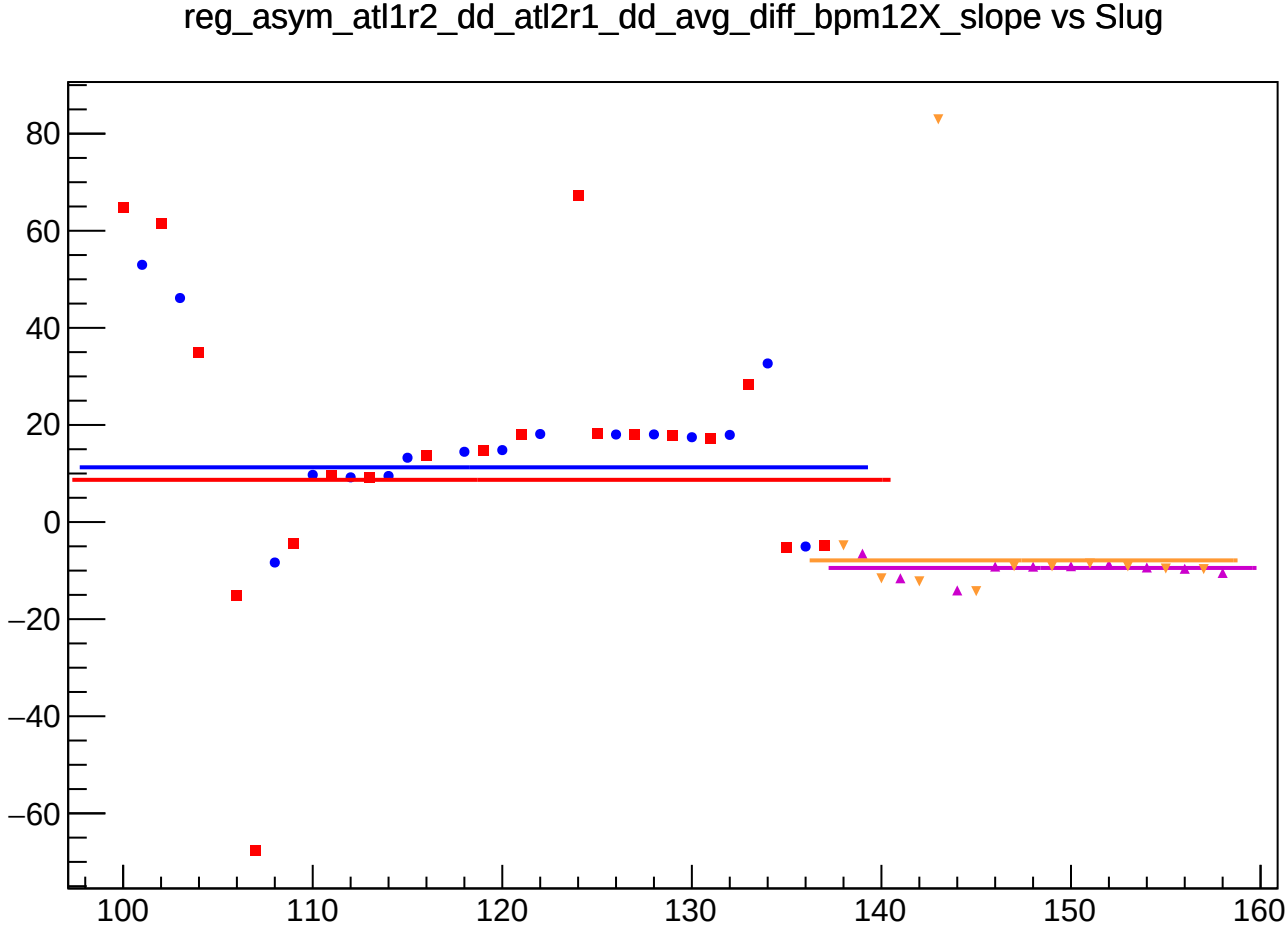
Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 5.194+/-0.370 χ^2/NDF:47.6/9

+ sign -0.578+/-0.304 χ^2/NDF: 1471.9/26

All: -0.522+/-0.214 χ^2/NDF: 2871.7/55

- sign -0.467+/-0.301 χ^2/NDF: 1399.8/28



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -7.894+/-0.017 χ^2/NDF:476479.1/10

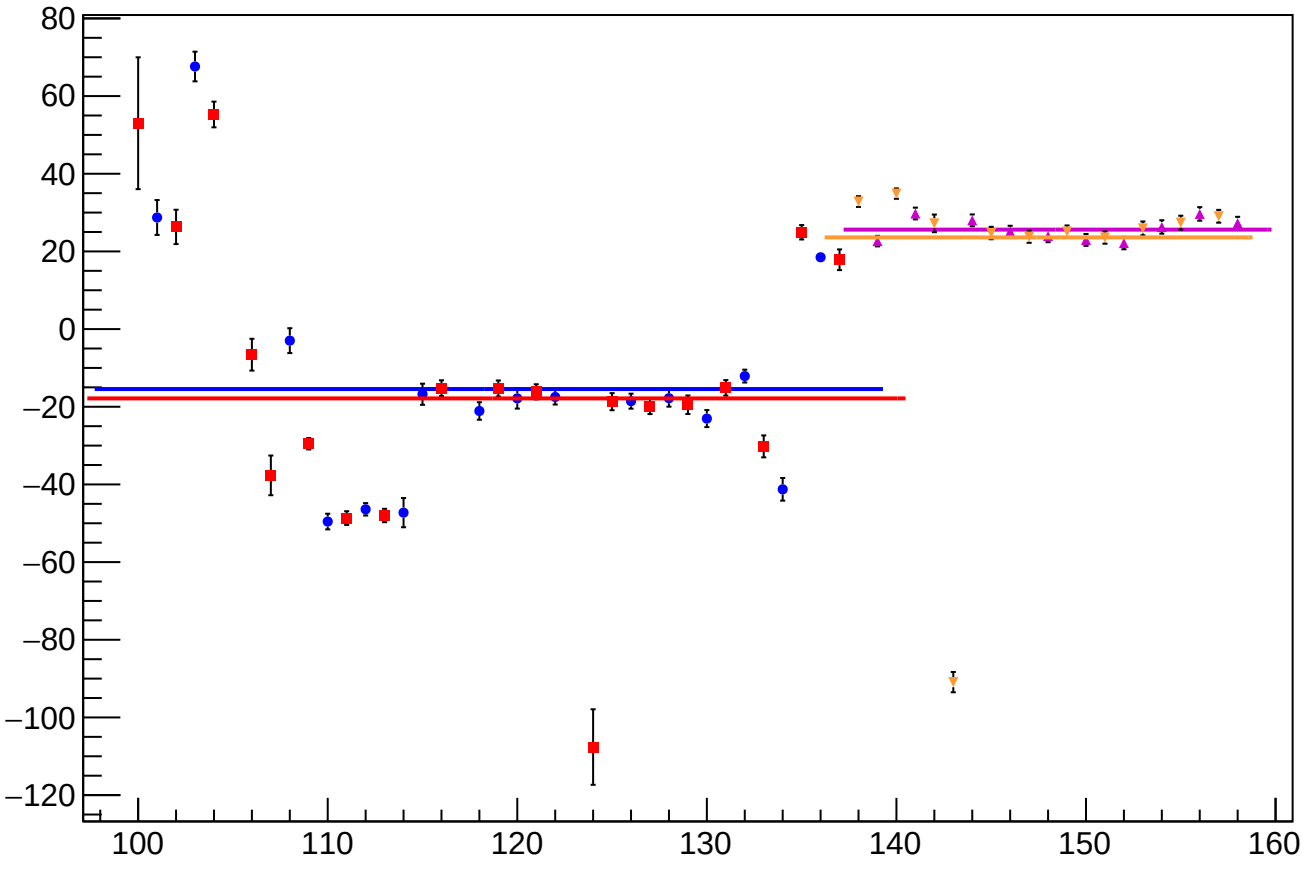
Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.453+/-0.017 χ^2/NDF:10727.4/9

+ sign -3.019+/-0.015 χ^2/NDF: 1131927.7/26

All: -4.284+/-0.011 χ^2/NDF: 1853206.7/55

- sign -5.483+/-0.015 χ^2/NDF: 707590.7/28



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 23.610+/-0.499 χ^2/NDF:2057.7/10

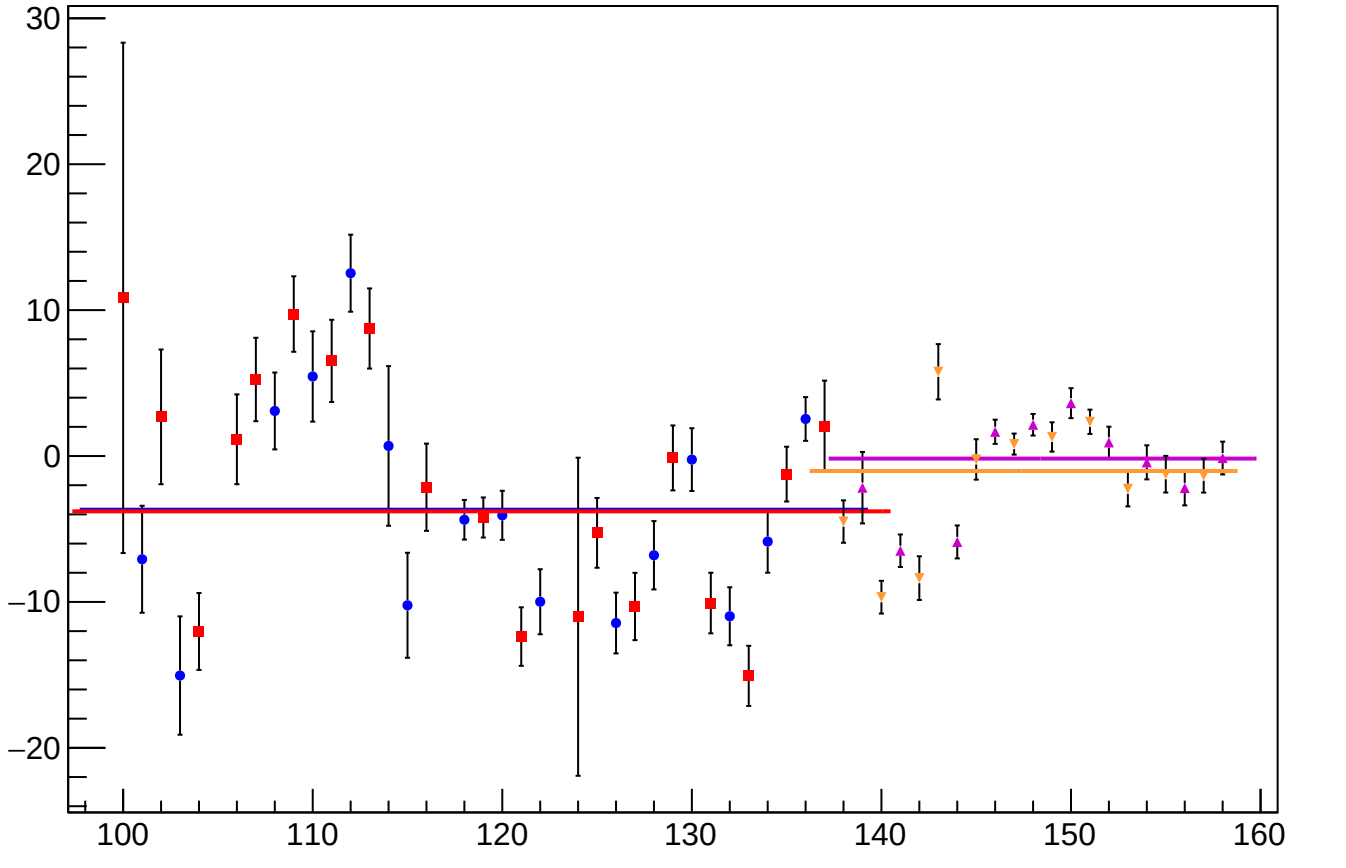
Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 25.611+/-0.492 χ^2/NDF:30.2/9

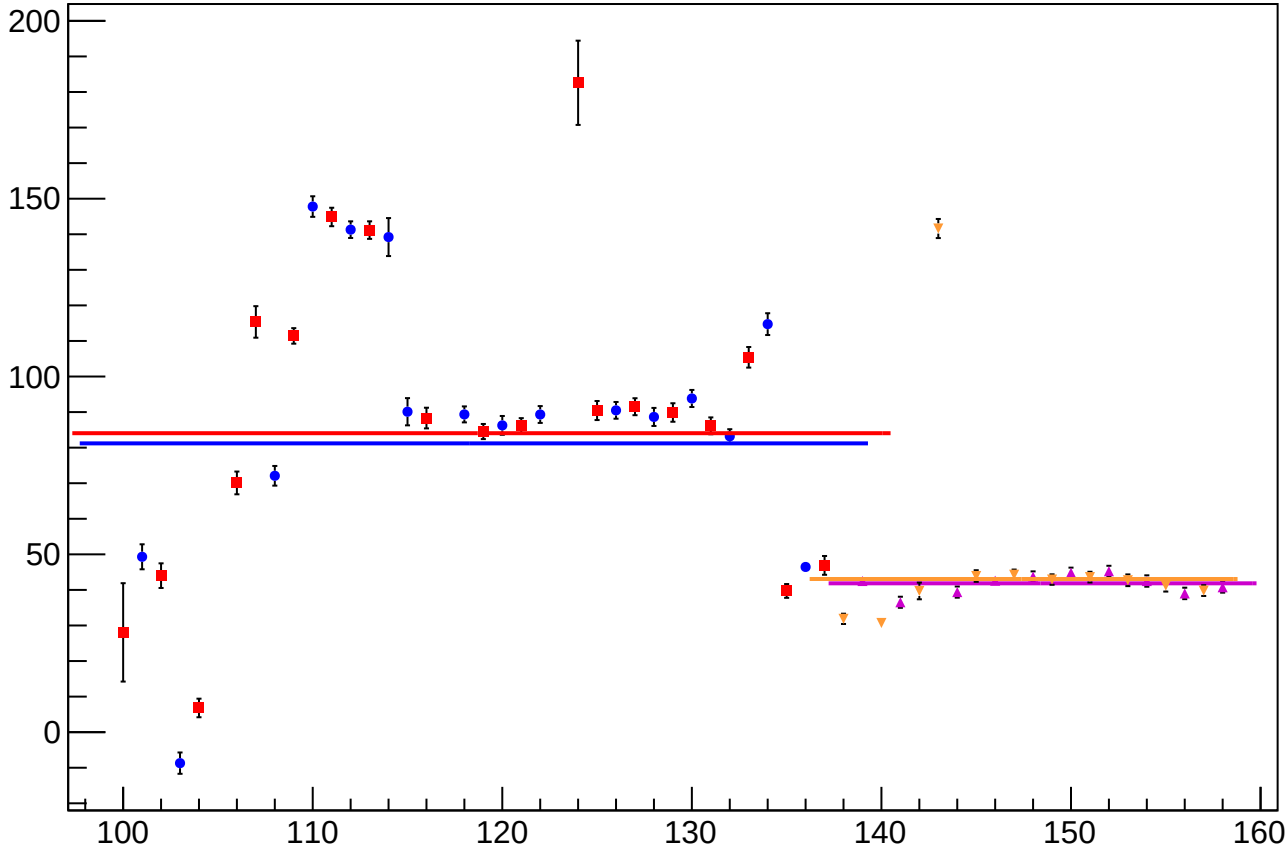
+ sign 5.575+/-0.366 χ^2/NDF: 7005.7/26

All: 5.523+/-0.257 χ^2/NDF: 12774.2/55

- sign 5.473+/-0.361 χ^2/NDF: 5768.5/28


reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug
30
20
10
0
−10
−20
100
110
120
130
140
150
160
Right In: -3.679+/-0.552 χ²/NDF: 124.0/15
Left Out: -1.025+/-0.335 χ²/NDF:131.9/10
Right Out: -3.790+/-0.564 χ²/NDF: 161.2/18
Left In: -0.175+/-0.332 χ²/NDF:90.7/9
+ sign -1.738+/-0.286 χ²/NDF: 272.8/26
All: -1.422+/-0.202 χ²/NDF: 557.7/55
- sign -1.106+/-0.286 χ²/NDF: 282.5/28

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs Slug



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 43.070+/-0.486 χ^2/NDF:1494.8/10

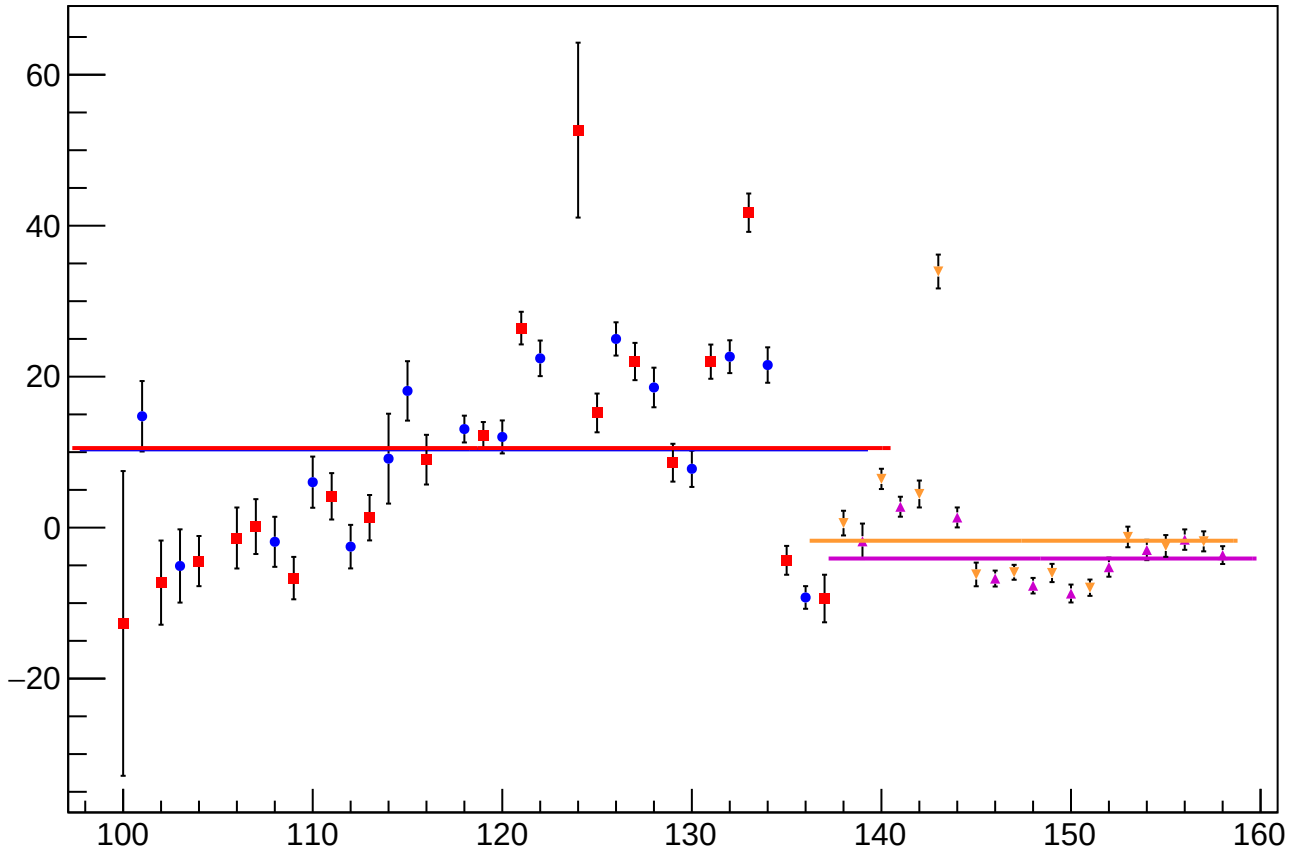
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 41.853+/-0.476 χ^2/NDF:29.5/9

+ sign 57.970+/-0.379 χ^2/NDF: 7129.4/26

All: 57.794+/-0.267 χ^2/NDF: 13305.0/55

- sign 57.621+/-0.377 χ^2/NDF: 6175.2/28



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: -1.736+/-0.408 χ^2/NDF:376.7/10

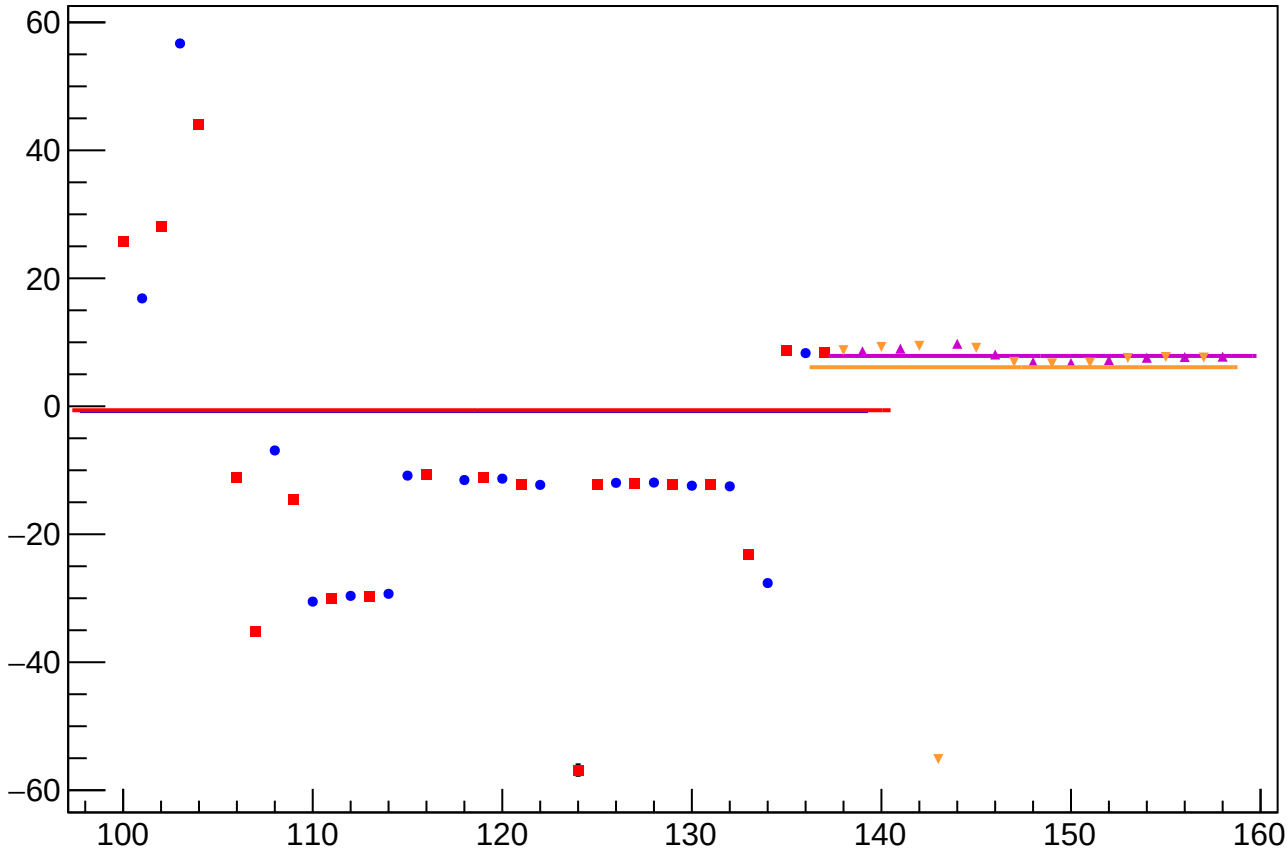
Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -4.094+/-0.398 χ^2/NDF:83.8/9

+ sign 1.870+/-0.342 χ^2/NDF: 998.4/26

All: 0.916+/-0.240 χ^2/NDF: 1945.2/55

- sign -0.017+/-0.338 χ^2/NDF: 931.3/28



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 6.105+/-0.019 χ^2/NDF:311406.5/10

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

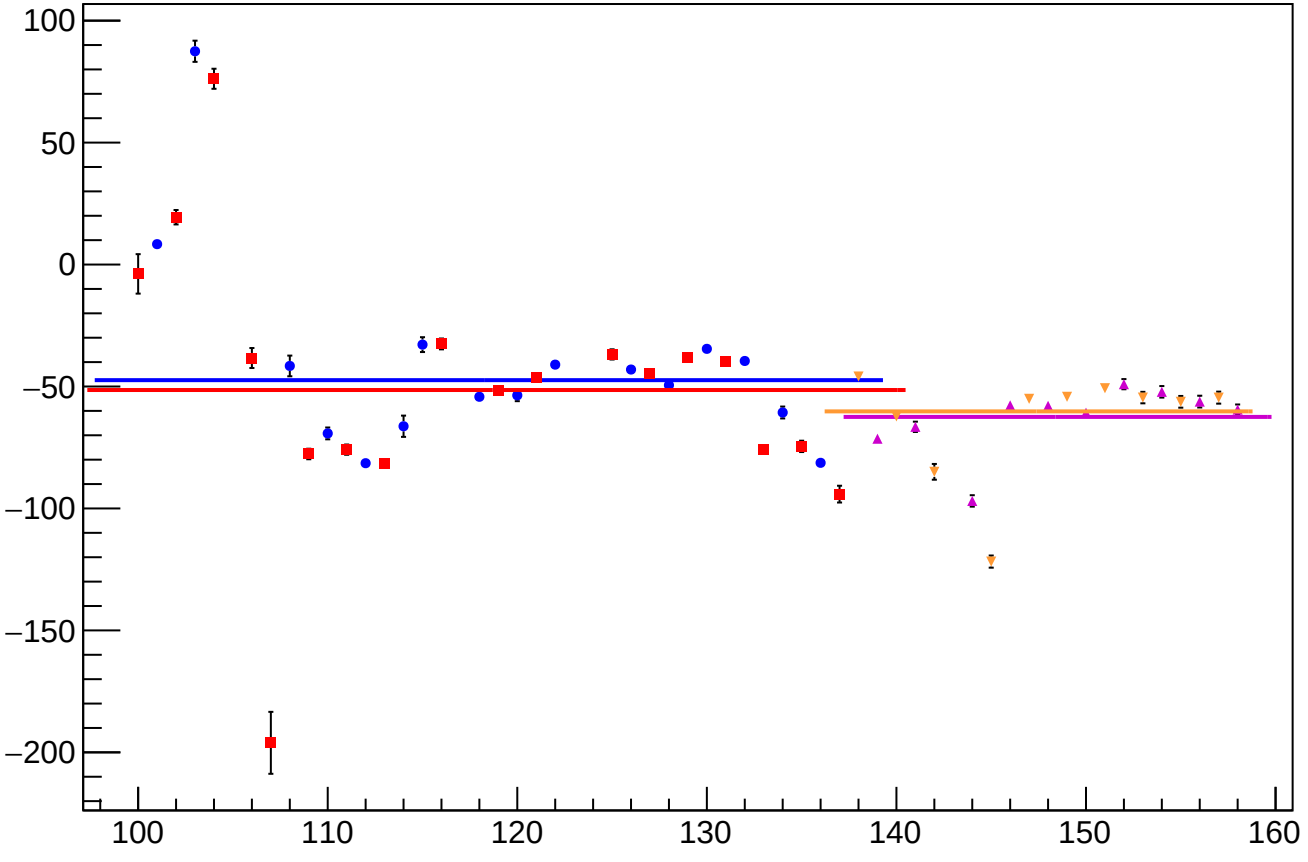
Left In: 7.869+/-0.018 χ^2/NDF:2109.4/9

+ sign 4.634+/-0.017 χ^2/NDF: 708020.7/26

All: 5.479+/-0.012 χ^2/NDF: 1073646.0/55

- sign 6.278+/-0.016 χ^2/NDF: 360598.3/28

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -47.398+/-0.535 χ^2/NDF: 2769.0/15

Left Out: -60.204+/-0.673 χ^2/NDF:790.6/9

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

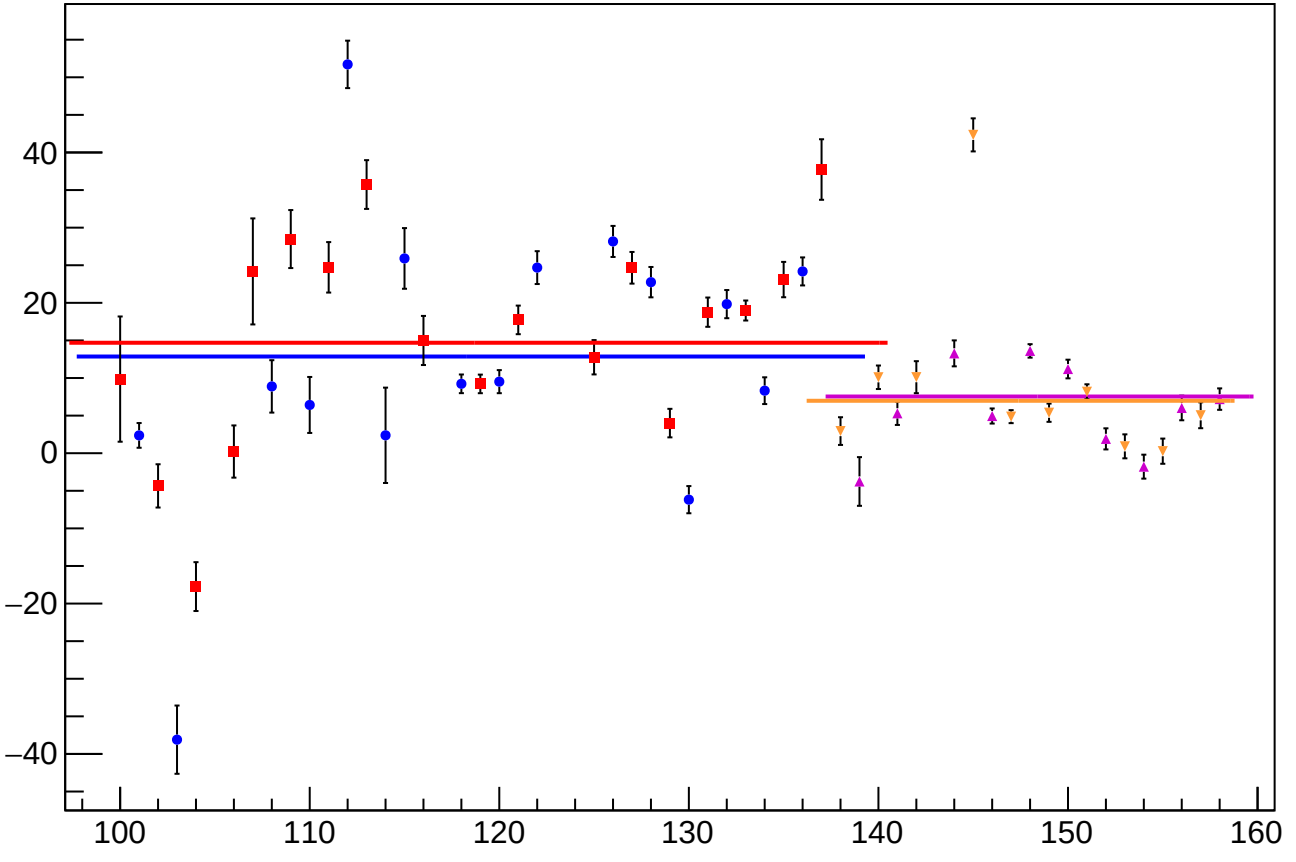
Left In: -62.469+/-0.645 χ^2/NDF:326.9/9

\+ sign -52.360+/-0.419 χ^2/NDF: 3781.6/25

All: -54.208+/-0.295 χ^2/NDF: 7190.3/53

\- sign -56.035+/-0.416 χ^2/NDF: 3370.0/27

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 6.973+/-0.437 χ^2/NDF:310.3/9

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

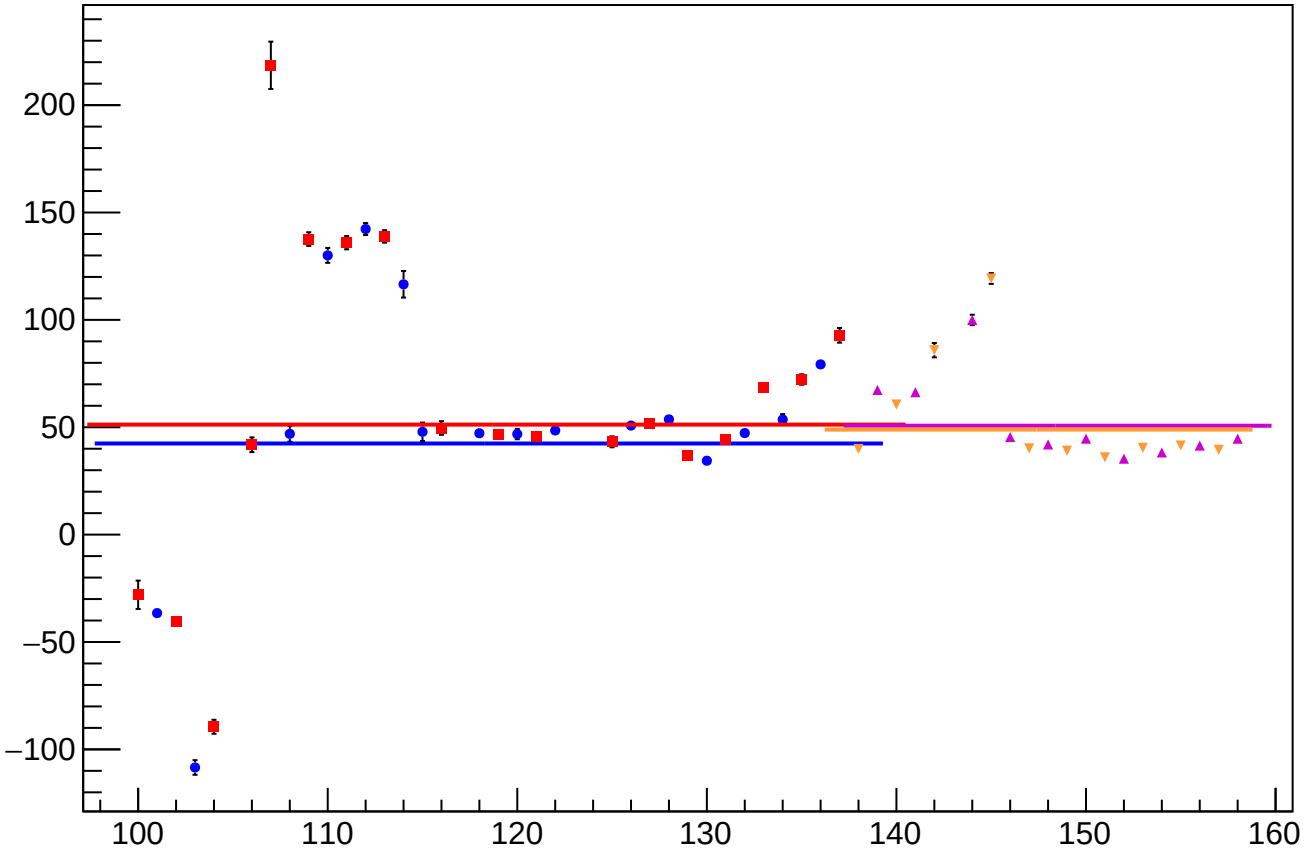
Left In: 7.540+/-0.426 χ^2/NDF:137.8/9

+ sign 9.414+/-0.334 χ^2/NDF: 1011.2/25

All: 9.835+/-0.237 χ^2/NDF: 1623.3/53

- sign 10.261+/-0.336 χ^2/NDF: 608.8/27

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 48.908+/-0.651 χ^2/NDF:1113.5/9

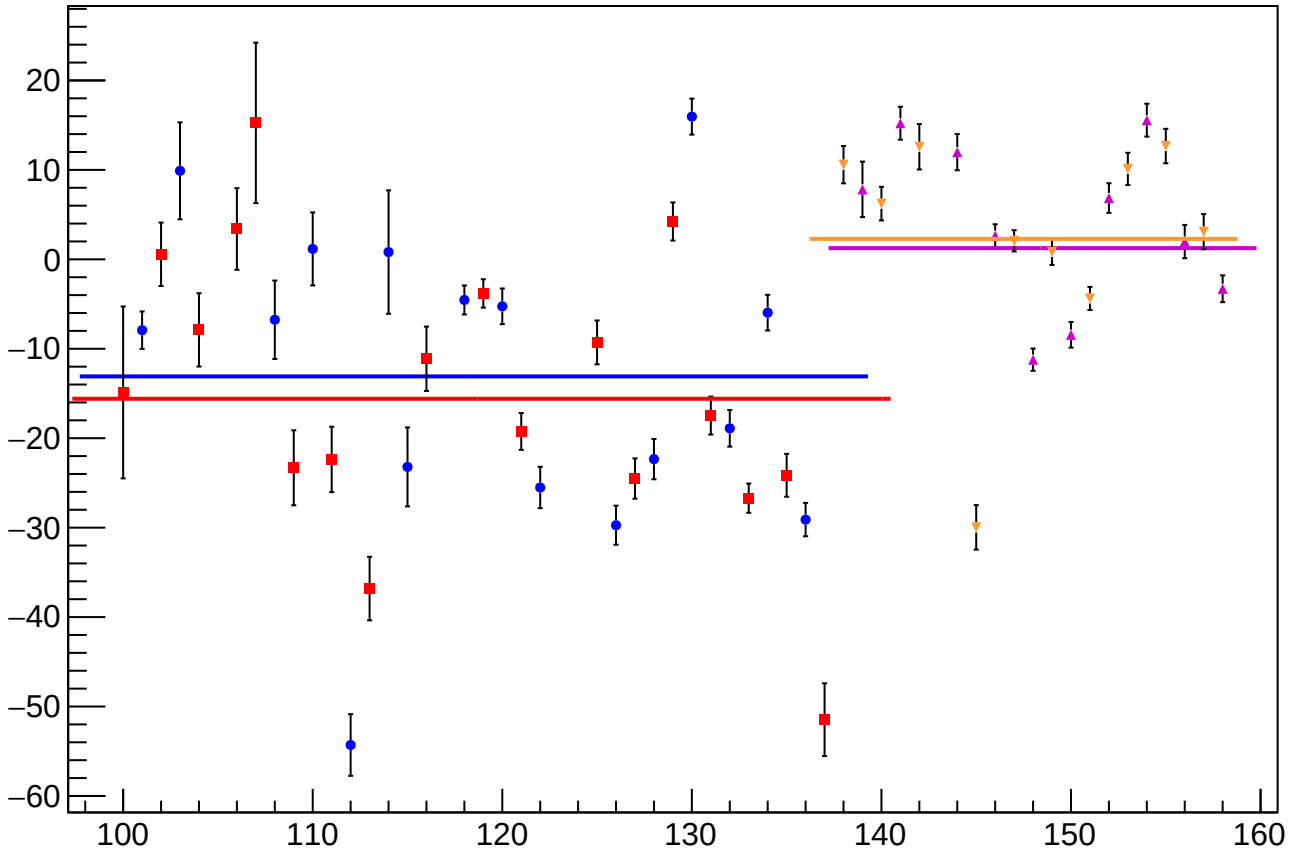
Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

Left In: 50.706+/-0.622 χ^2/NDF:711.4/9

\+ sign 45.322+/-0.435 χ^2/NDF: 8337.1/25

All: 48.131+/-0.308 χ^2/NDF: 15744.0/53

\- sign 50.969+/-0.437 χ^2/NDF: 7323.0/27



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 2.290+/-0.538 χ^2/NDF:280.4/9

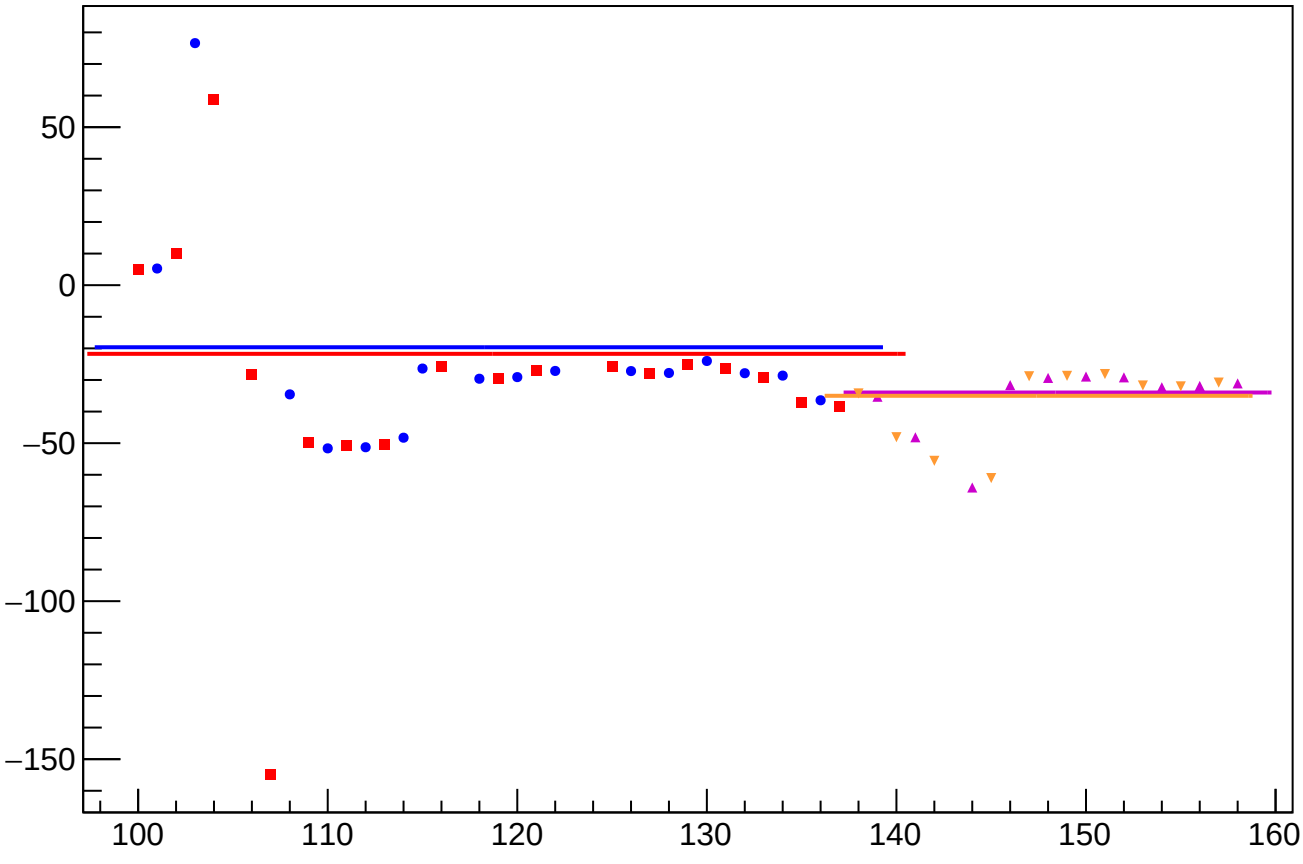
Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 1.252+/-0.515 χ^2/NDF:318.3/9

+ sign -4.575+/-0.401 χ^2/NDF: 1284.4/25

All: -5.055+/-0.282 χ^2/NDF: 2438.6/53

- sign -5.528+/-0.398 χ^2/NDF: 1151.3/27



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

Left Out: -35.004+/-0.025 χ^2/NDF:144424.8/9

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

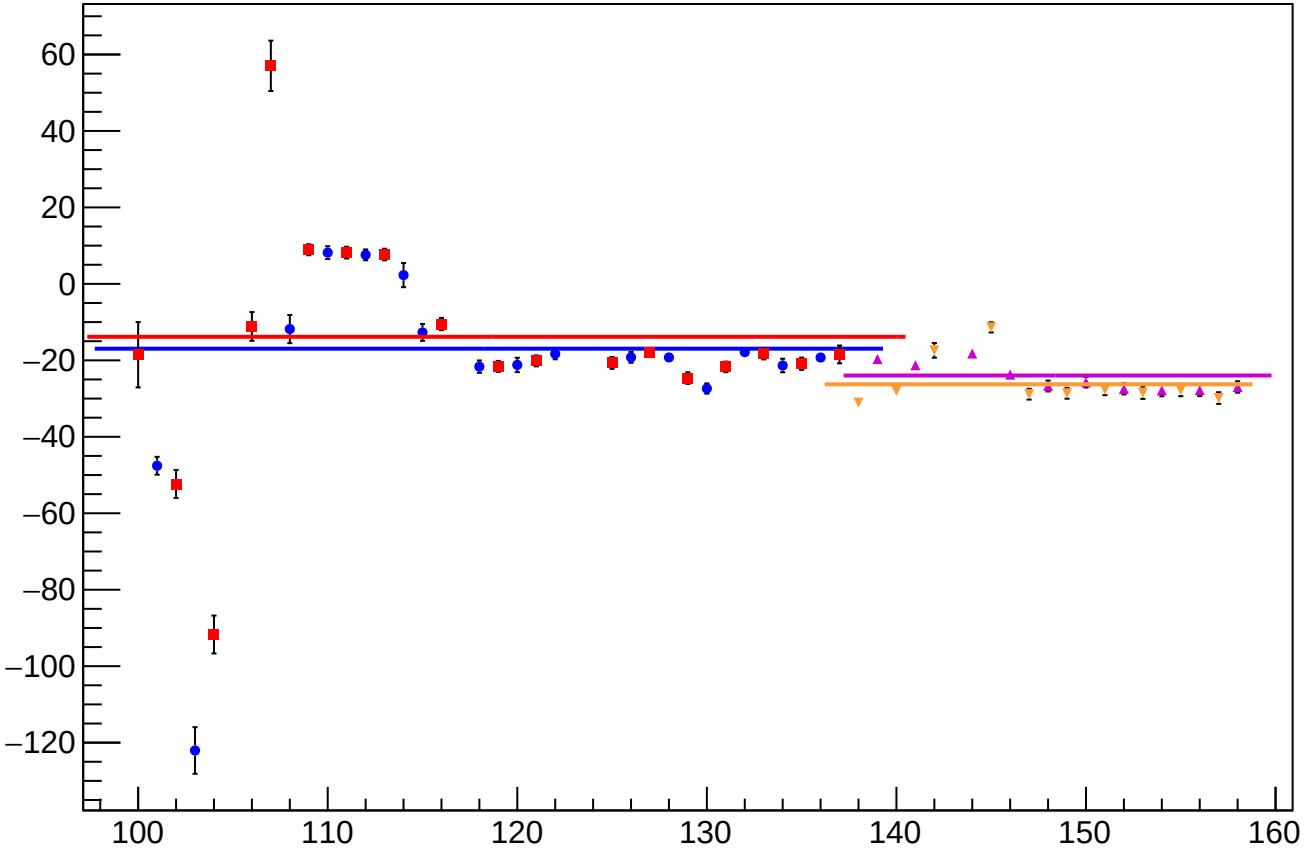
Left In: -33.969+/-0.023 χ^2/NDF:121019.7/9

+ sign -29.939+/-0.021 χ^2/NDF: 912614.8/25

All: -30.331+/-0.014 χ^2/NDF: 1653589.6/53

- sign -30.700+/-0.020 χ^2/NDF: 740279.7/27

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



Right In: -16.949+/-0.404 χ^2/NDF: 1128.2/15

Left Out: -26.270+/-0.449 χ^2/NDF:179.2/9

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

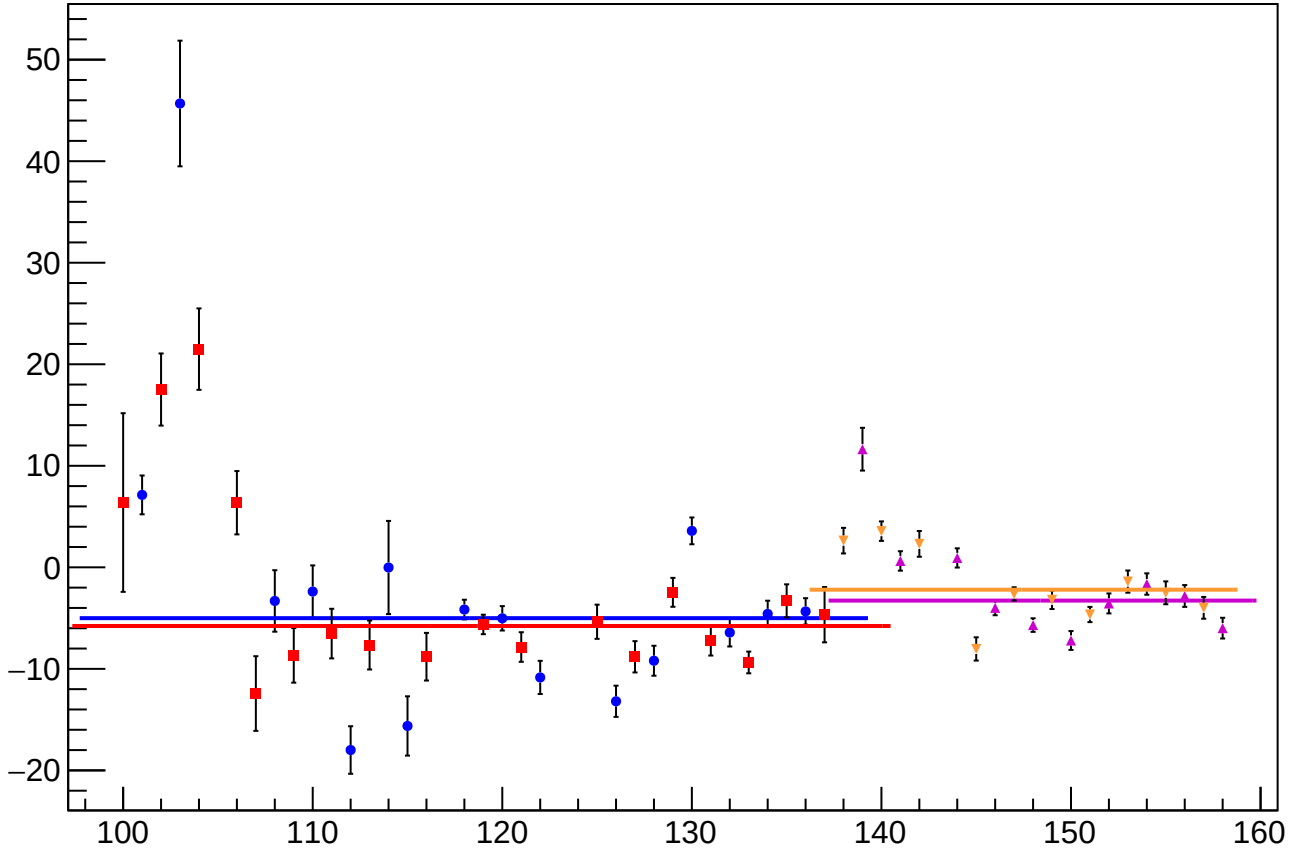
Left In: -23.965+/-0.434 χ^2/NDF:65.4/9

+ sign -21.123+/-0.300 χ^2/NDF: 1545.9/25

All: -19.852+/-0.211 χ^2/NDF: 3268.1/53

- sign -18.600+/-0.298 χ^2/NDF: 1686.6/27

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -5.006+/-0.401 χ^2/NDF: 247.8/15

Left Out: -2.204+/-0.302 χ^2/NDF:105.0/9

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

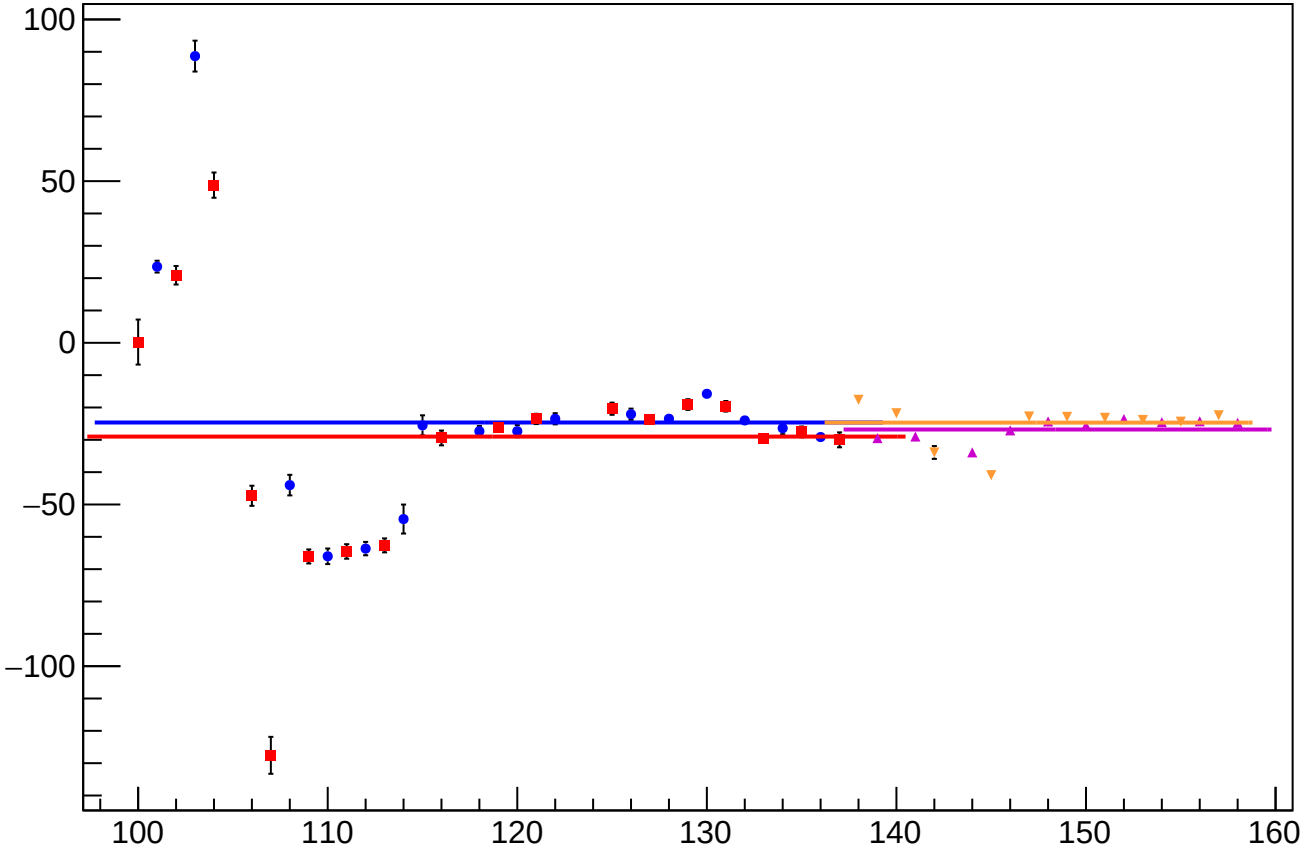
Left In: -3.277+/-0.295 χ^2/NDF:128.2/9

\+ sign -3.218+/-0.241 χ^2/NDF: 383.9/25

All: -3.661+/-0.171 χ^2/NDF: 682.0/53

\- sign -4.105+/-0.241 χ^2/NDF: 291.3/27

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -24.641+/-0.455 χ^2/NDF: 2051.8/15

Left Out: -24.677+/-0.437 χ^2/NDF:209.8/9

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

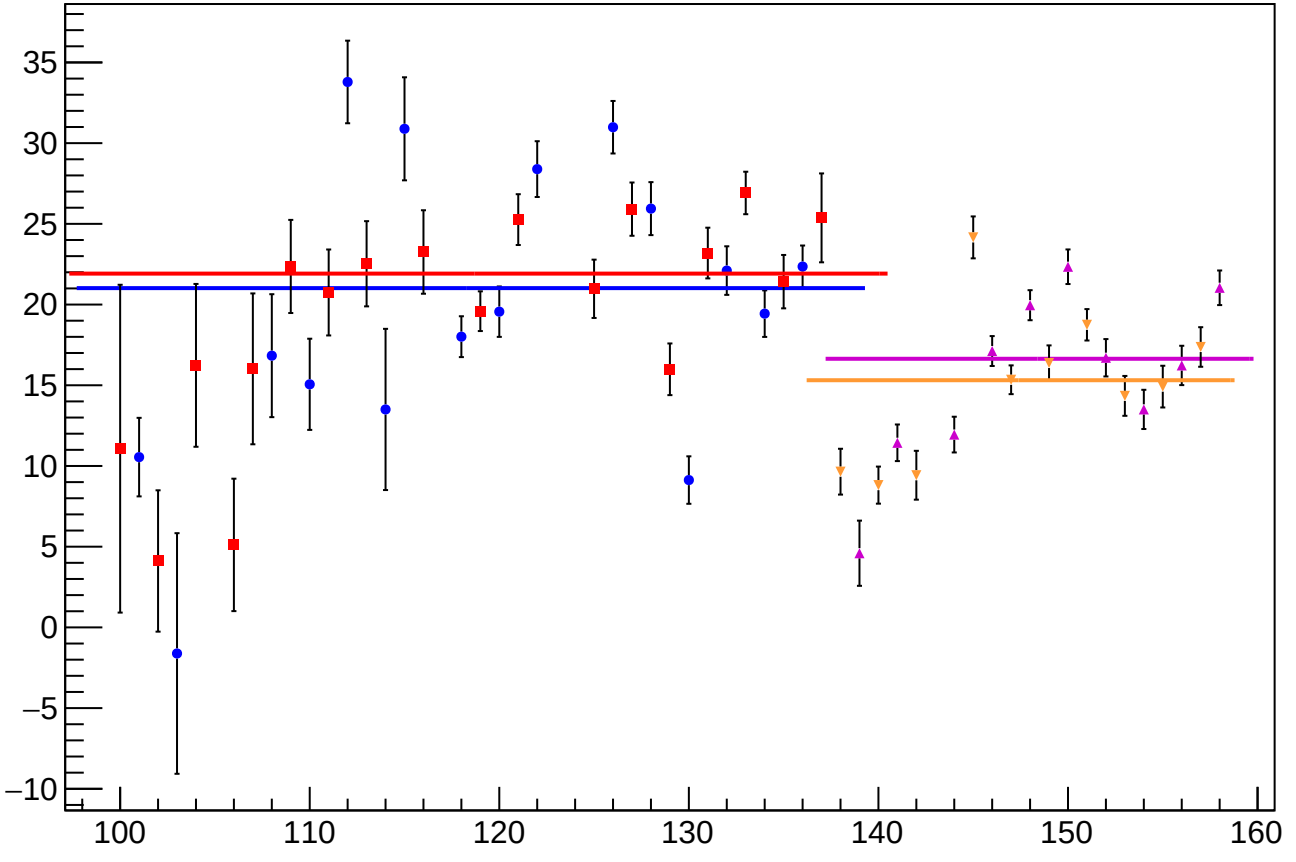
Left In: -26.814+/-0.421 χ^2/NDF:54.1/9

+ sign -24.660+/-0.315 χ^2/NDF: 2261.6/25

All: -26.218+/-0.223 χ^2/NDF: 4328.7/53

- sign -27.776+/-0.315 χ^2/NDF: 2018.2/27

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 15.312+/-0.369 χ^2/NDF:126.5/9

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

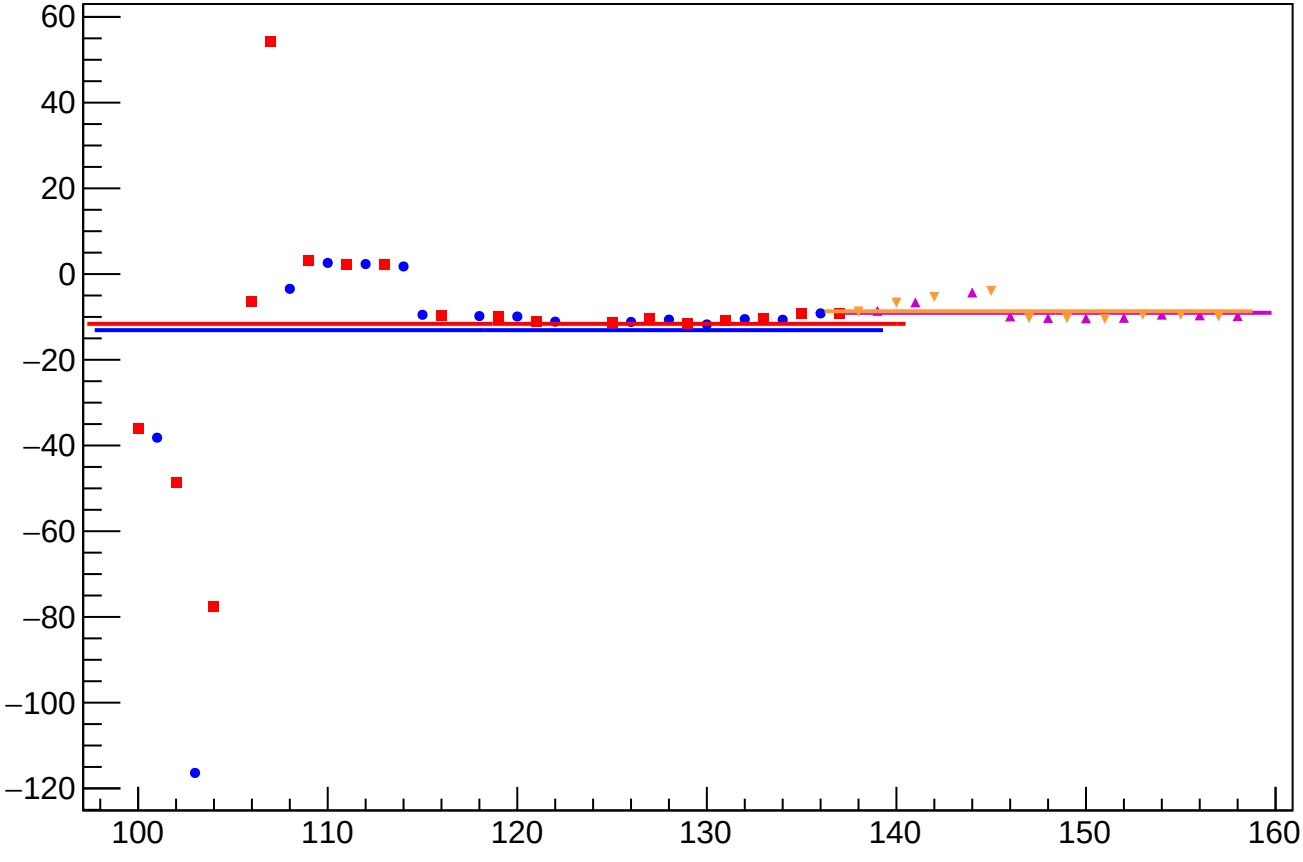
Left In: 16.641+/-0.354 χ^2/NDF:139.6/9

+ sign 17.554+/-0.287 χ^2/NDF: 430.3/25

All: 18.034+/-0.202 χ^2/NDF: 736.7/53

- sign 18.505+/-0.284 χ^2/NDF: 300.8/27

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -8.679+/-0.017 χ^2/NDF:14957.4/9

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

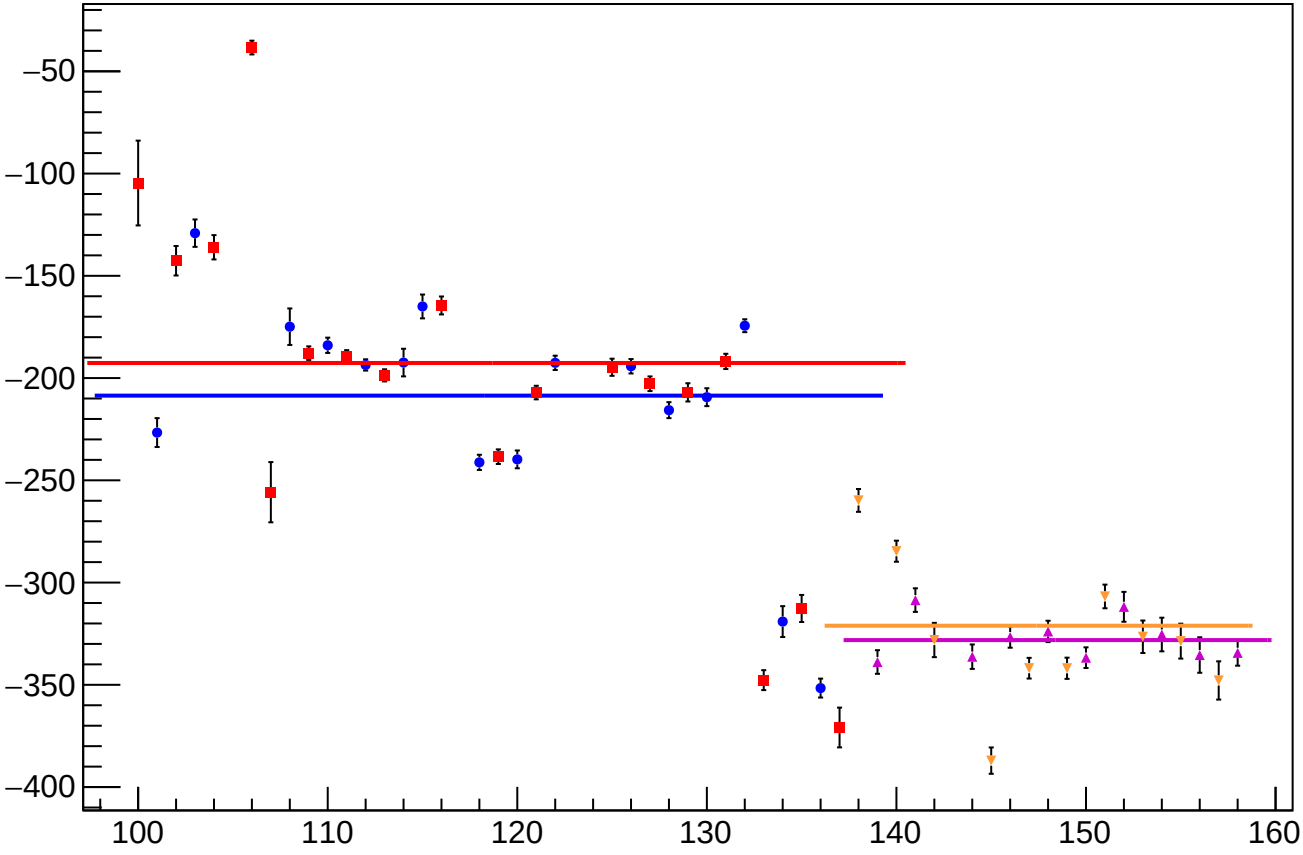
Left In: -9.037+/-0.016 χ^2/NDF:11072.9/9

+ sign -9.830+/-0.015 χ^2/NDF: 377675.9/25

All: -9.700+/-0.010 χ^2/NDF: 708571.7/53

- sign -9.577+/-0.014 χ^2/NDF: 330739.2/27

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -321.101+/-1.979 χ^2/NDF:324.7/9

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

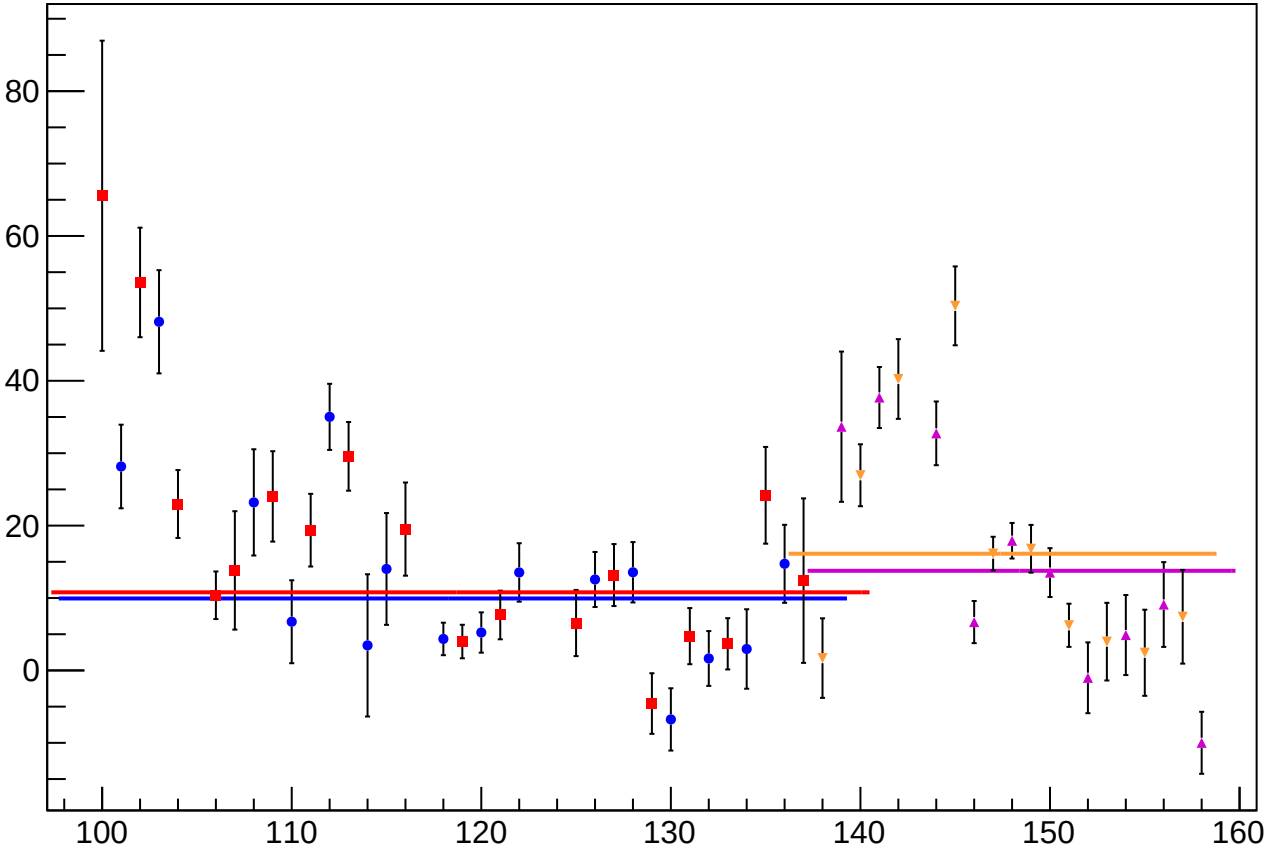
Left In: -328.123+/-1.914 χ^2/NDF:27.2/9

\+ sign -233.901+/-0.939 χ^2/NDF: 4579.9/25

All: -227.405+/-0.644 χ^2/NDF: 12844.8/53

\- sign -221.628+/-0.885 χ^2/NDF: 8174.4/27

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



Right In: 9.938+/-1.065 χ^2/NDF: 106.6/15

Left Out: 16.118+/-1.259 χ^2/NDF:95.3/9

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

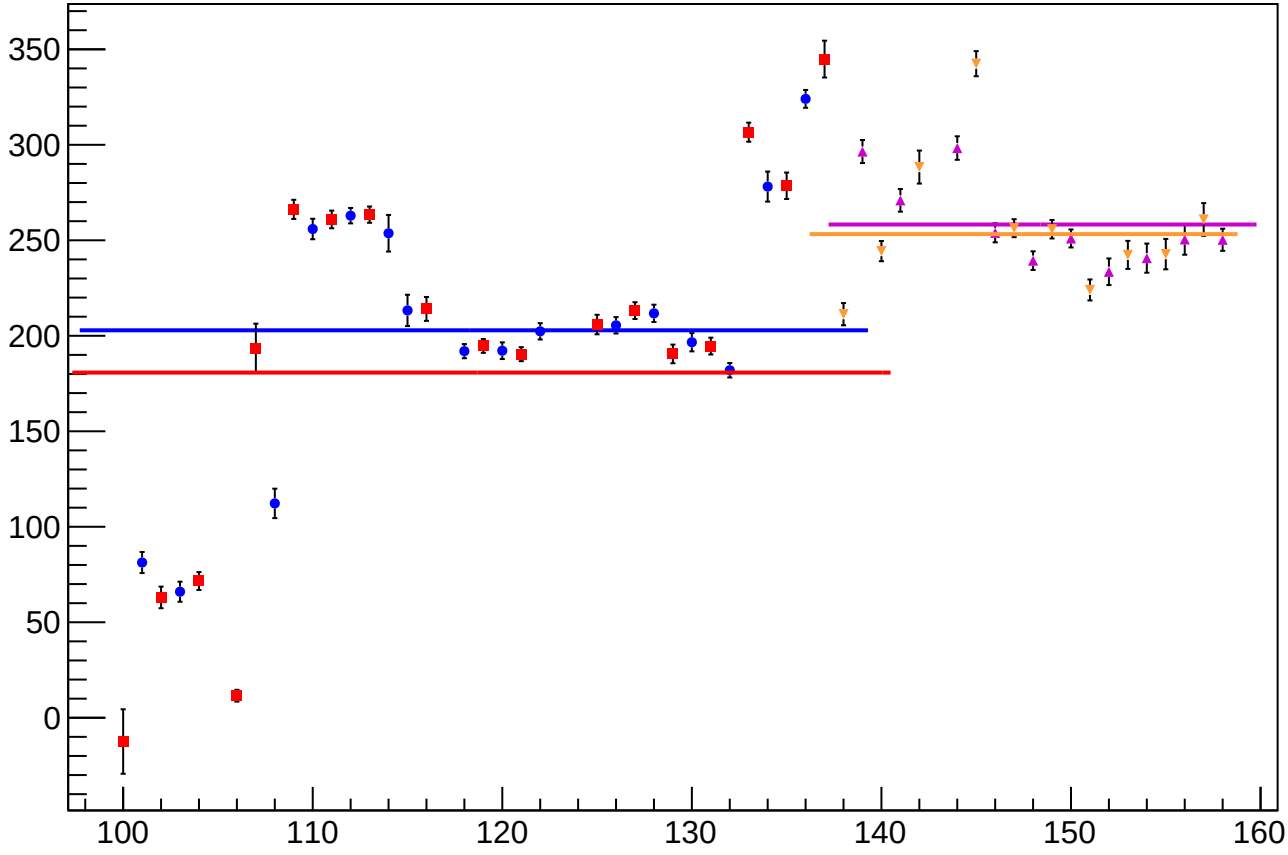
Left In: 13.760+/-1.243 χ^2/NDF:106.4/9

\+ sign 12.517+/-0.813 χ^2/NDF: 215.9/25

All: 12.262+/-0.570 χ^2/NDF: 430.9/53

\- sign 12.016+/-0.799 χ^2/NDF: 214.8/27

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 202.874+/-1.226 χ^2/NDF: 2464.2/15

Left Out: 253.234+/-1.924 χ^2/NDF:289.2/9

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

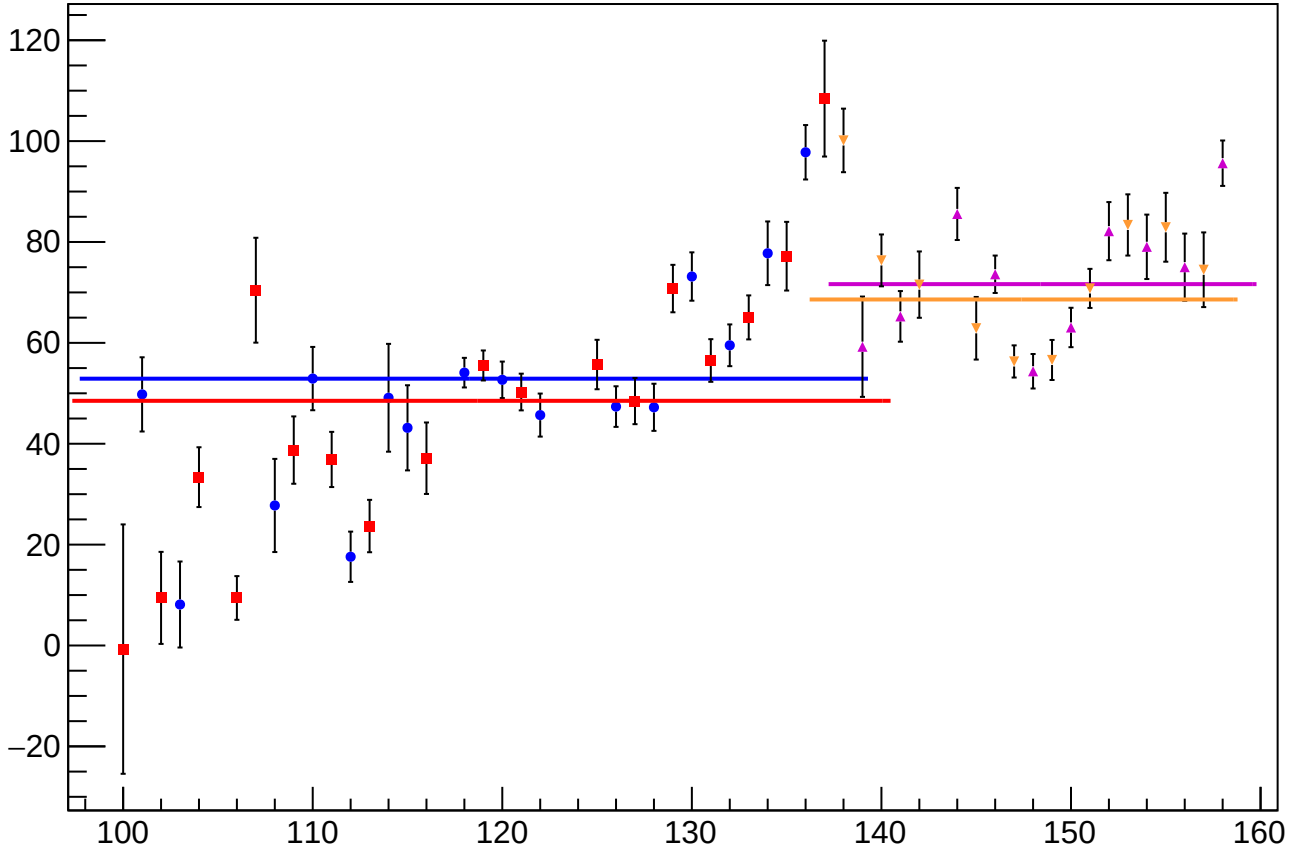
Left In: 258.267+/-1.848 χ^2/NDF:126.1/9

\+ sign 217.413+/-1.034 χ^2/NDF: 3240.9/25

All: 209.348+/-0.708 χ^2/NDF: 11103.0/53

\- sign 202.210+/-0.972 χ^2/NDF: 7747.3/27

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 52.899+/-1.242 χ^2/NDF: 198.3/15

Left Out: 68.602+/-1.567 χ^2/NDF:63.6/9

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

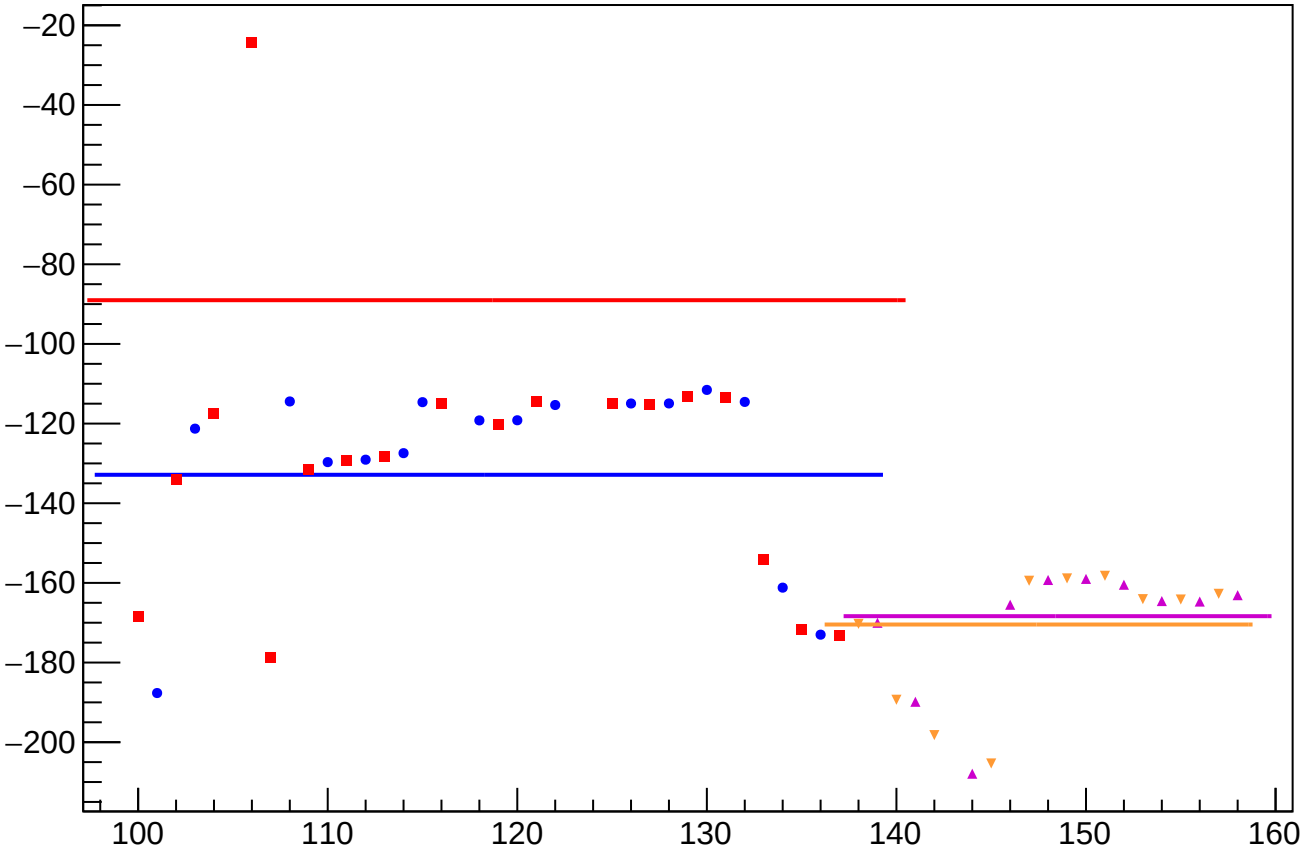
Left In: 71.645+/-1.512 χ^2/NDF:74.4/9

+ sign 58.956+/-0.973 χ^2/NDF: 323.6/25

All: 58.251+/-0.679 χ^2/NDF: 781.4/53

- sign 57.583+/-0.947 χ^2/NDF: 456.7/27

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

Left Out: -170.450+/-0.077 χ^2/NDF:41521.0/9

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

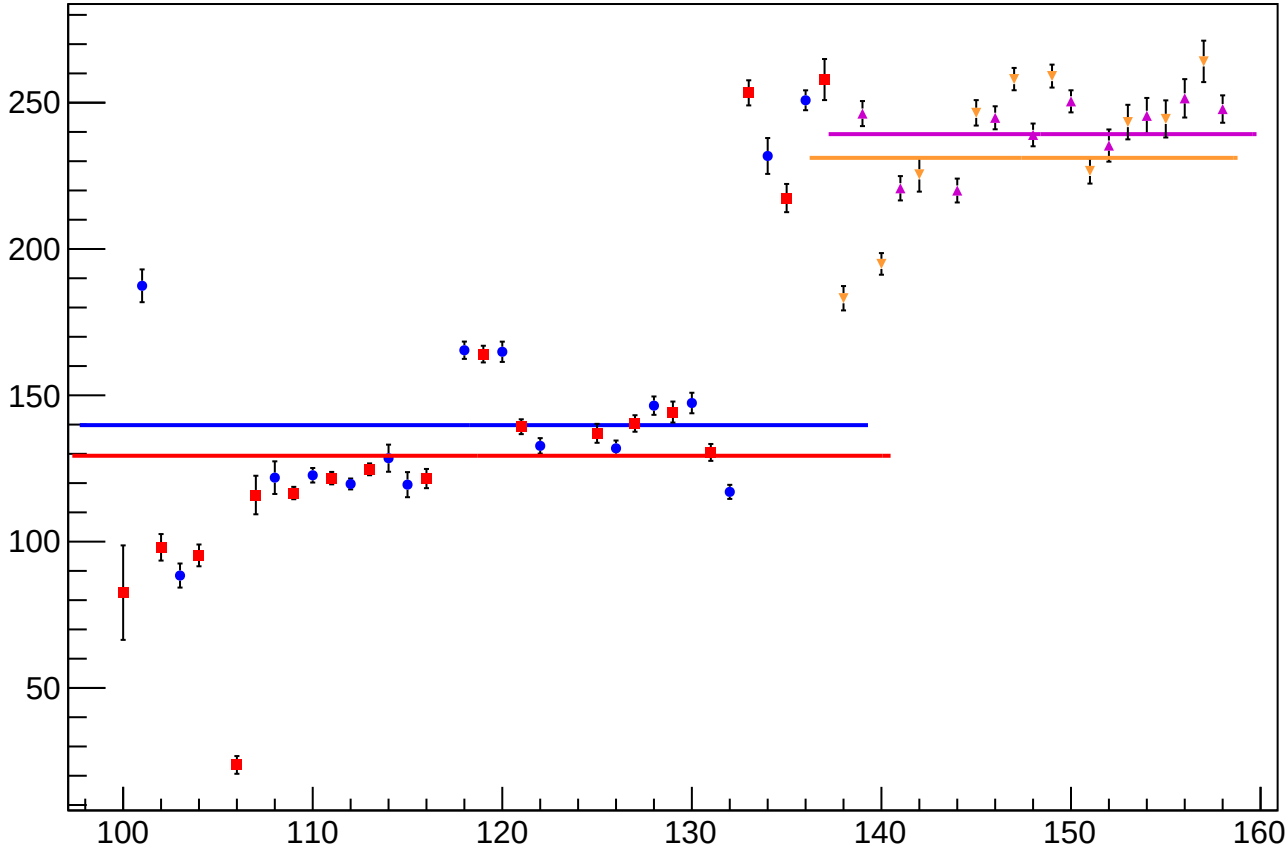
Left In: -168.356+/-0.071 χ^2/NDF:35239.4/9

+ sign -152.699+/-0.056 χ^2/NDF: 247733.3/25

All: -136.418+/-0.036 χ^2/NDF: 1842761.2/53

- sign -124.581+/-0.048 χ^2/NDF: 1448536.7/27

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 231.144+/-1.454 χ^2/NDF:374.2/9

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

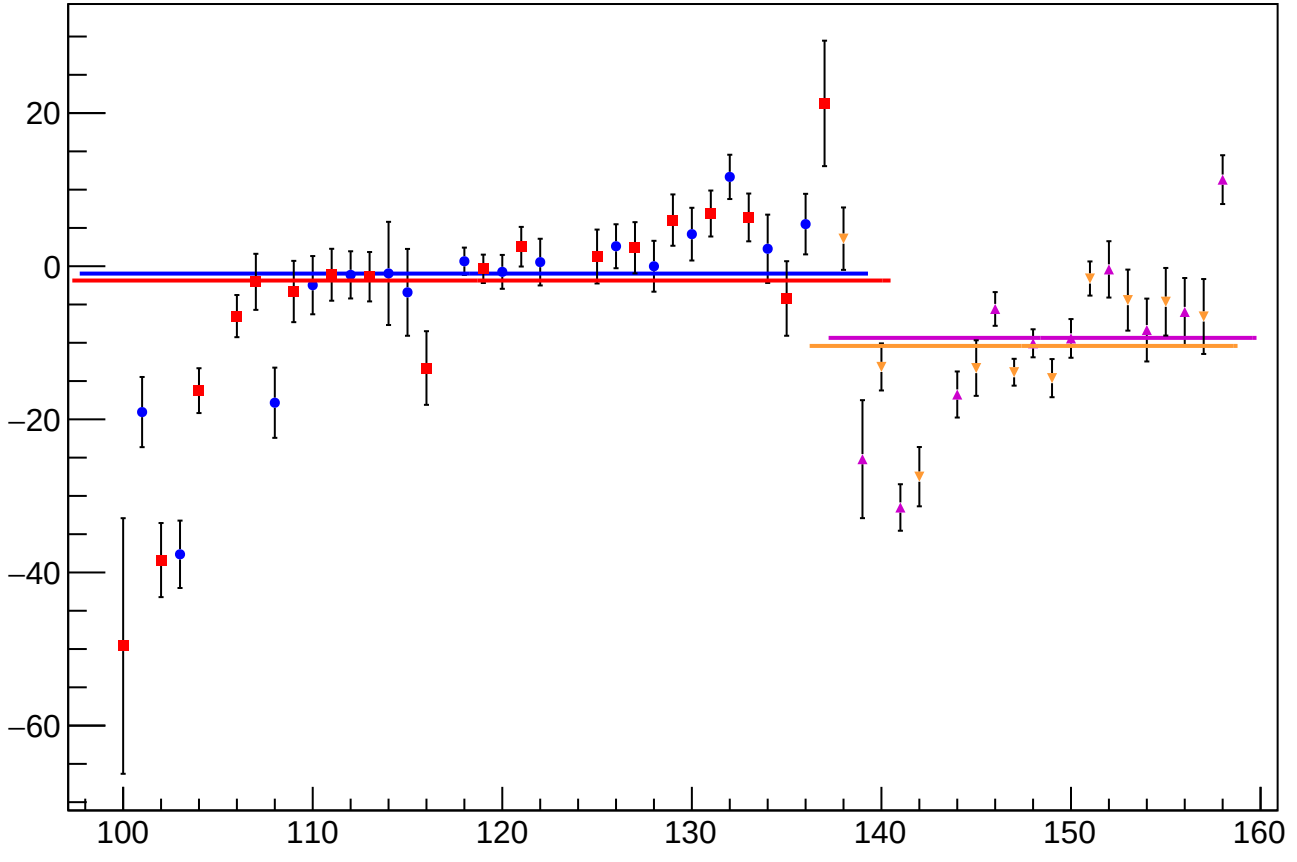
Left In: 239.250+/-1.411 χ^2/NDF:64.0/9

+ sign 160.412+/-0.690 χ^2/NDF: 5396.0/25

All: 156.364+/-0.474 χ^2/NDF: 13422.5/53

- sign 152.762+/-0.651 χ^2/NDF: 7961.5/27

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -10.411+/-0.932 χ^2/NDF:59.5/9

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

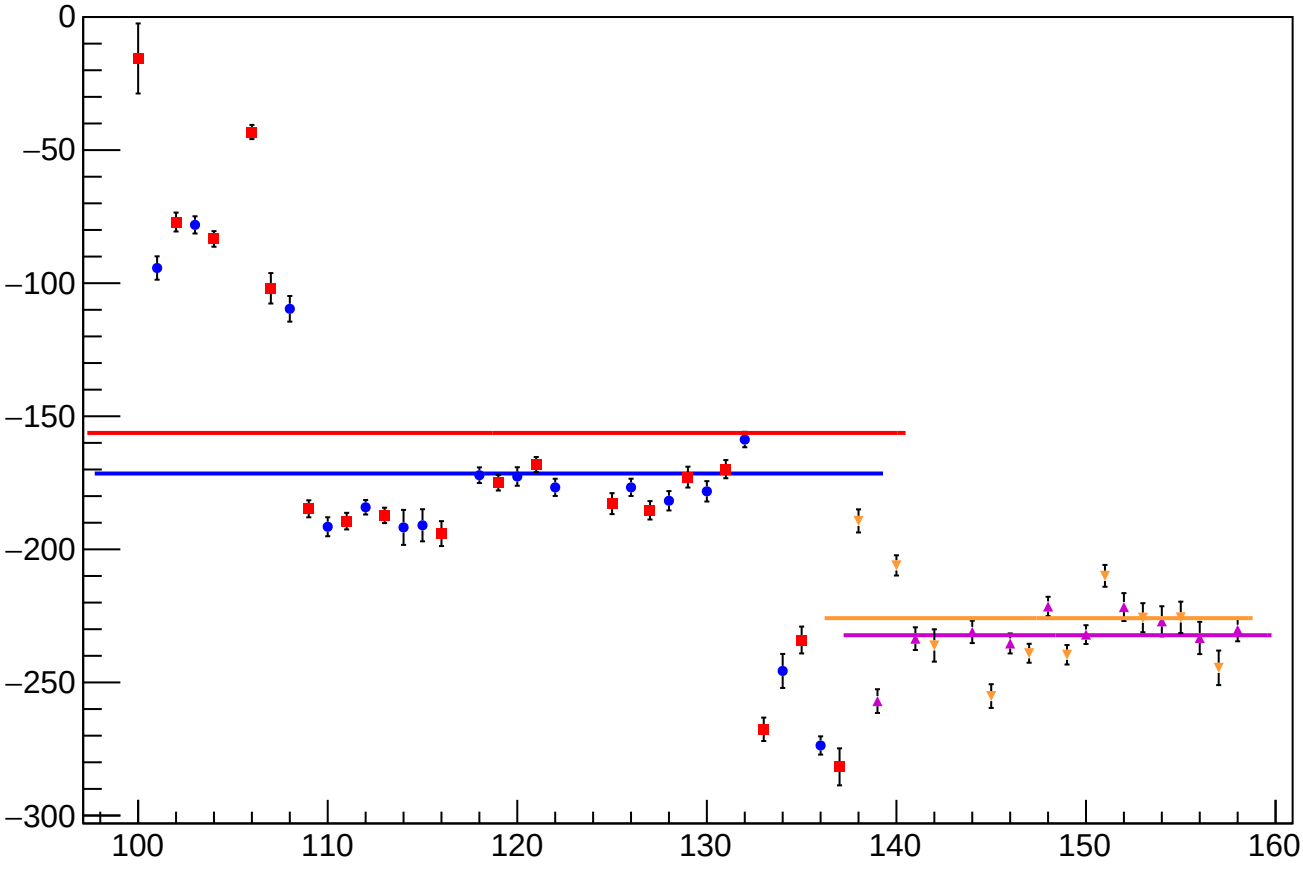
Left In: -9.359+/-0.921 χ^2/NDF:115.1/9

+ sign -5.021+/-0.610 χ^2/NDF: 244.3/25

All: -5.018+/-0.427 χ^2/NDF: 531.0/53

- sign -5.015+/-0.597 χ^2/NDF: 286.7/27

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -225.847+/-1.417 χ^2/NDF:195.1/9

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

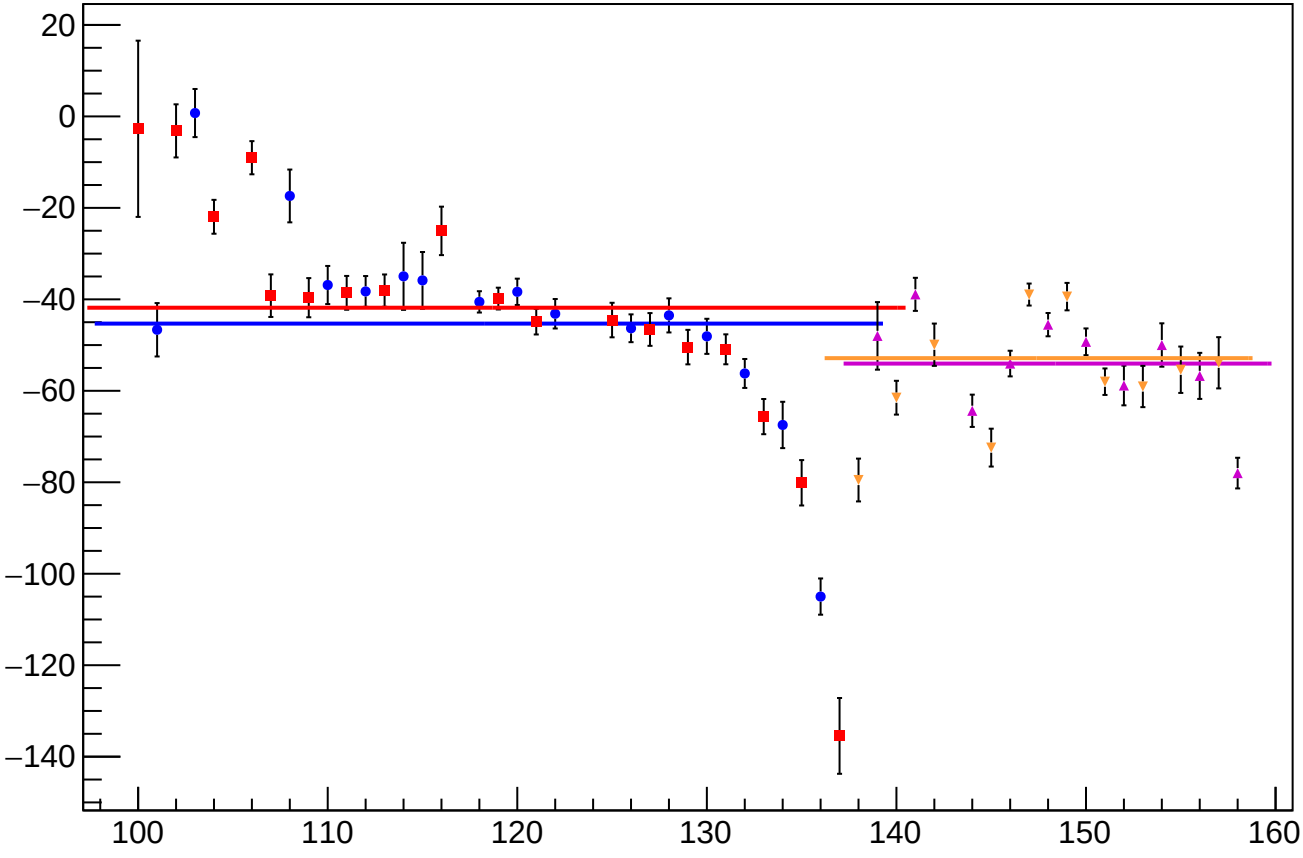
Left In: -232.256+/-1.365 χ^2/NDF:45.6/9

+ sign -187.301+/-0.764 χ^2/NDF: 3681.7/25

All: -182.061+/-0.524 χ^2/NDF: 10958.7/53

- sign -177.405+/-0.720 χ^2/NDF: 7188.1/27

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -52.860+/-1.157 χ^2/NDF:119.5/9

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

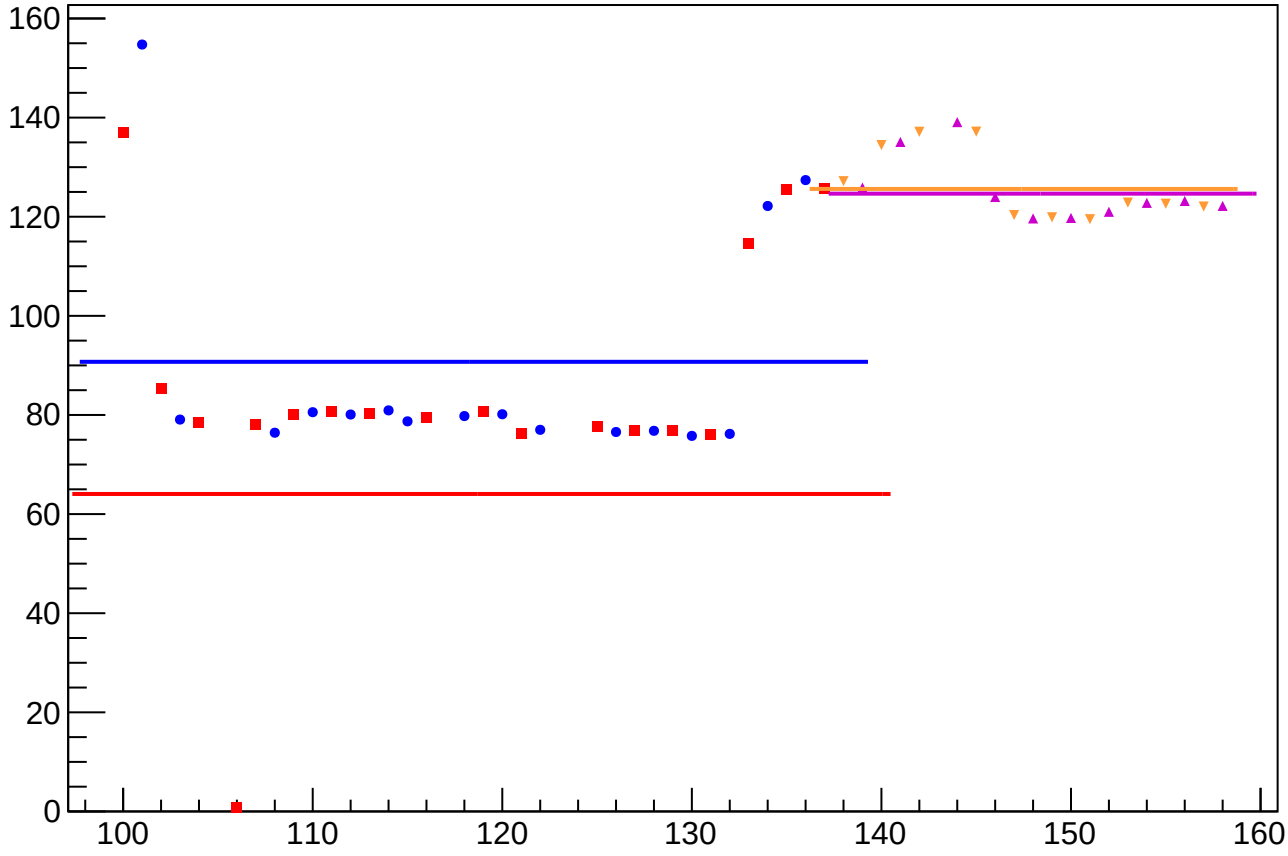
Left In: -54.048+/-1.119 χ^2/NDF:93.8/9

+ sign -48.299+/-0.728 χ^2/NDF: 527.3/25

All: -47.471+/-0.507 χ^2/NDF: 1109.7/53

- sign -46.693+/-0.706 χ^2/NDF: 579.9/27

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 90.726+/-0.058 χ^2/NDF: 161153.0/15

Left Out: 125.608+/-0.057 χ^2/NDF:13826.3/9

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

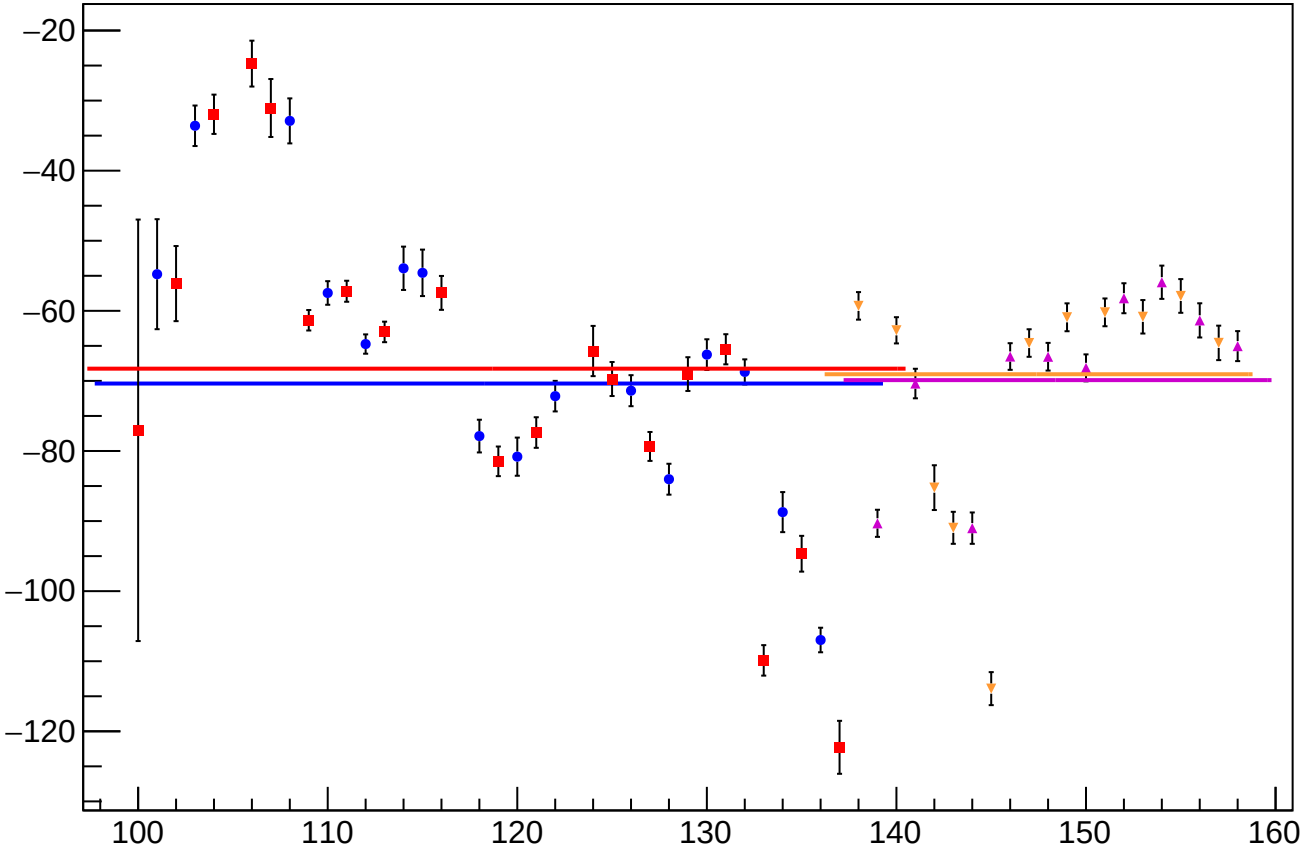
Left In: 124.656+/-0.053 χ^2/NDF:12656.0/9

+ sign 108.702+/-0.041 χ^2/NDF: 358311.6/25

All: 99.512+/-0.027 χ^2/NDF: 1827509.2/53

- sign 92.323+/-0.036 χ^2/NDF: 1378396.0/27

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -69.048+/-0.660 χ^2/NDF:594.6/10

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

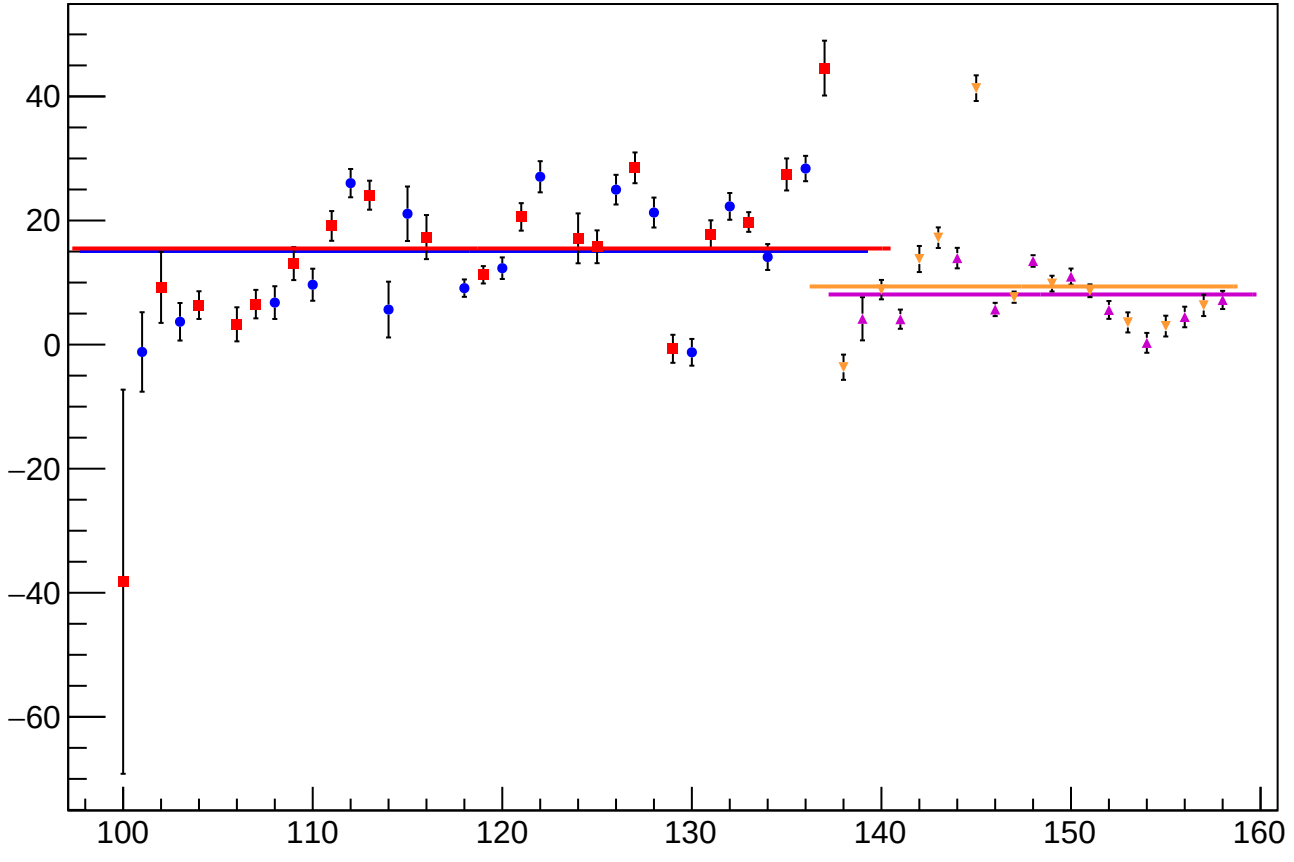
Left In: -69.887+/-0.663 χ^2/NDF:289.2/9

\+ sign -69.822+/-0.426 χ^2/NDF: 1571.8/26

All: -69.338+/-0.296 χ^2/NDF: 3173.2/55

\- sign -68.885+/-0.412 χ^2/NDF: 1598.9/28

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 9.368+/-0.433 χ^2/NDF:341.3/10

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

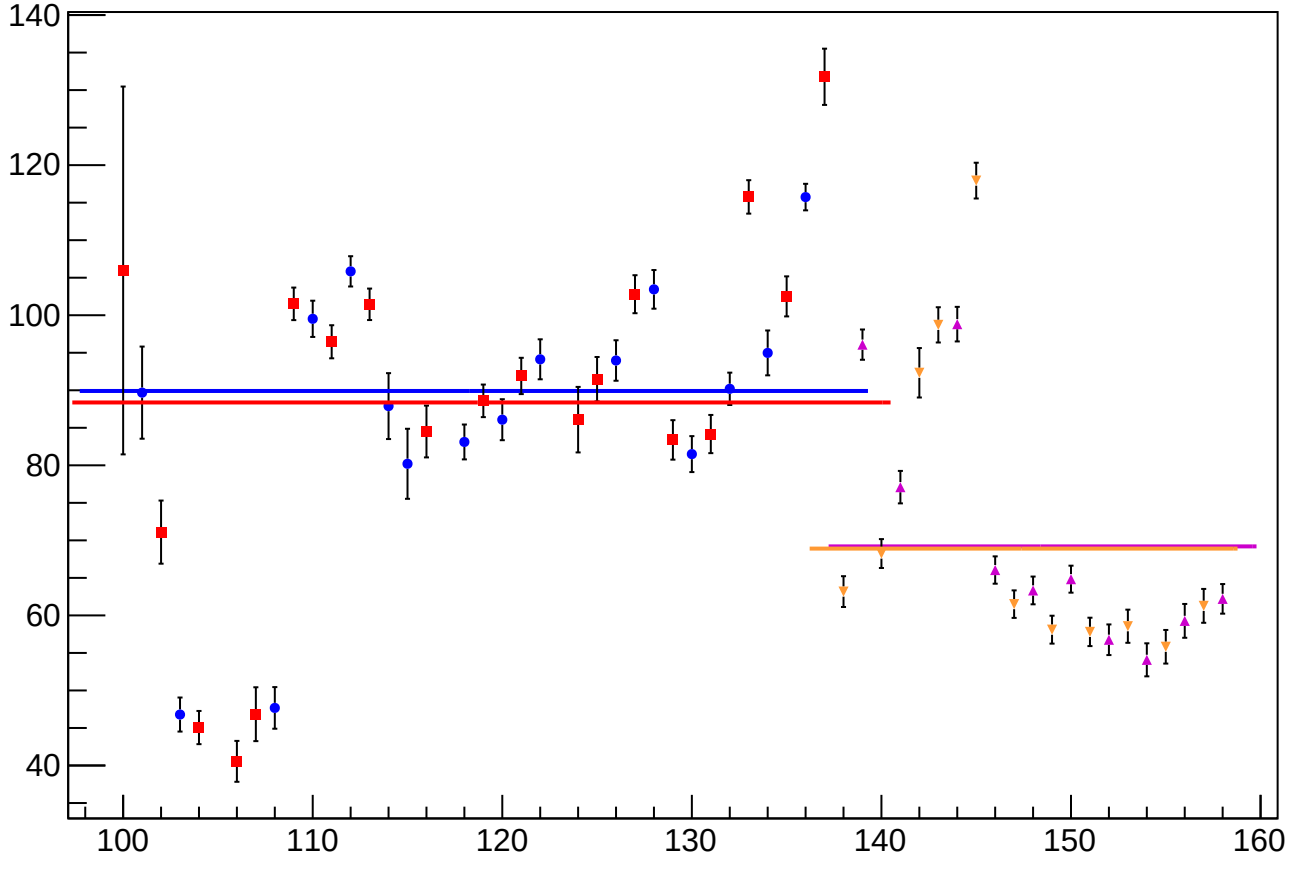
Left In: 8.080+/-0.439 χ^2/NDF:95.9/9

+ sign 11.413+/-0.347 χ^2/NDF: 646.1/26

All: 11.160+/-0.245 χ^2/NDF: 1091.4/55

- sign 10.911+/-0.345 χ^2/NDF: 444.2/28

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



Right In: 89.907+/-0.641 χ^2/NDF: 947.7/15

Left Out: 68.903+/-0.642 χ^2/NDF:794.9/10

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

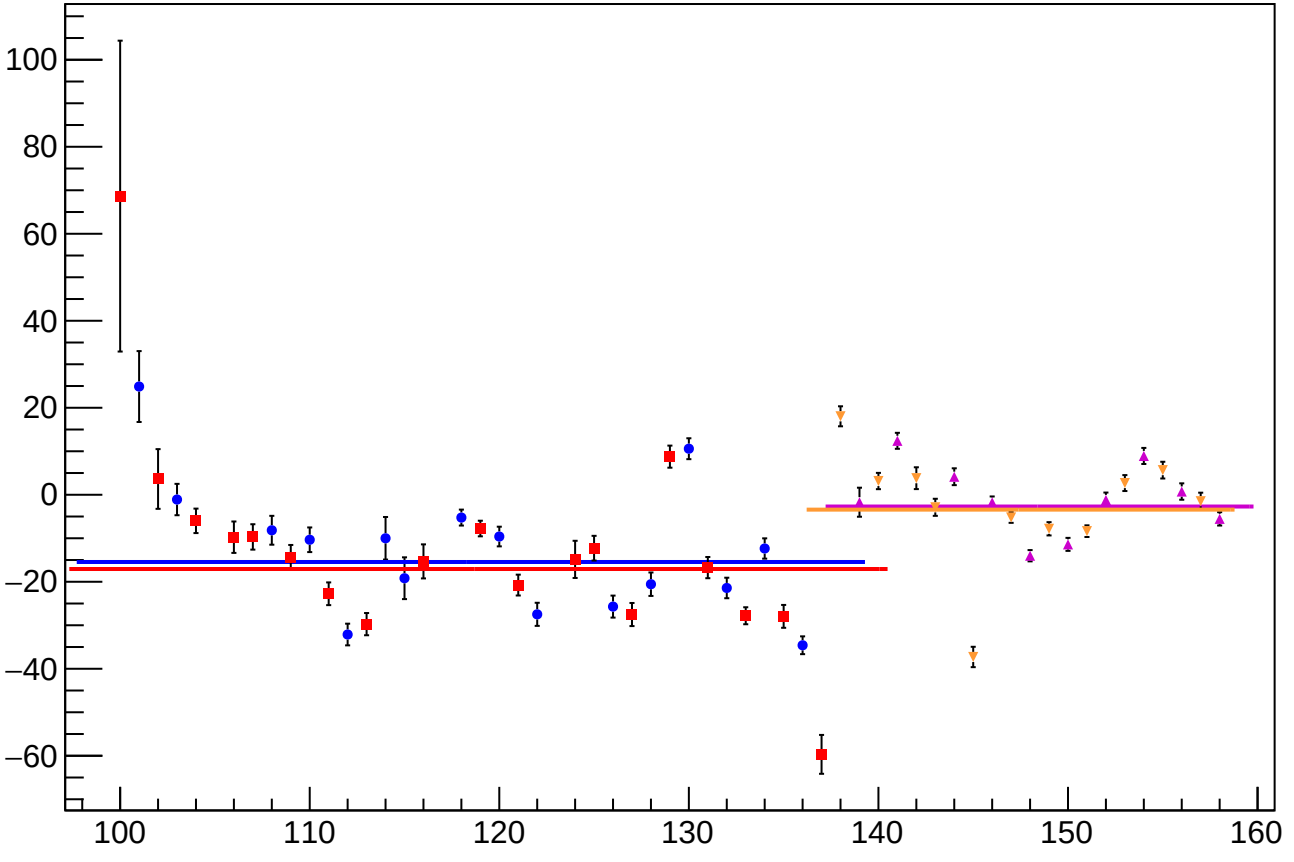
Left In: 69.196+/-0.639 χ^2/NDF:491.4/9

+ sign 79.432+/-0.454 χ^2/NDF: 2278.6/26

All: 79.267+/-0.317 χ^2/NDF: 4525.2/55

- sign 79.110+/-0.444 χ^2/NDF: 2246.3/28

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: -3.417+/-0.532 χ^2/NDF:375.3/10

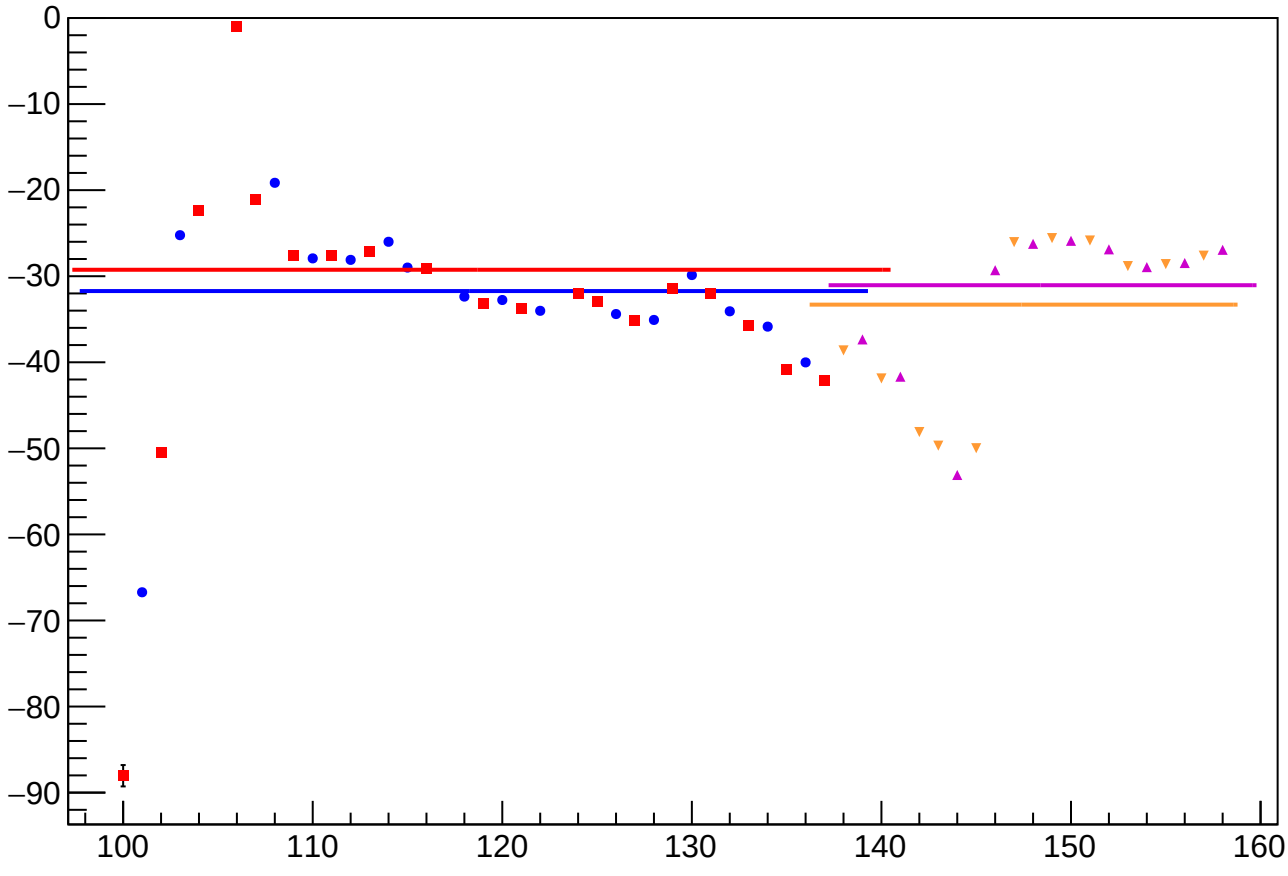
Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: -2.702+/-0.528 χ^2/NDF:237.8/9

+ sign -8.106+/-0.415 χ^2/NDF: 961.5/26

All: -8.299+/-0.291 χ^2/NDF: 1858.2/55

- sign -8.486+/-0.408 χ^2/NDF: 896.3/28



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -33.302+/-0.025 χ^2/NDF:127350.0/10

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

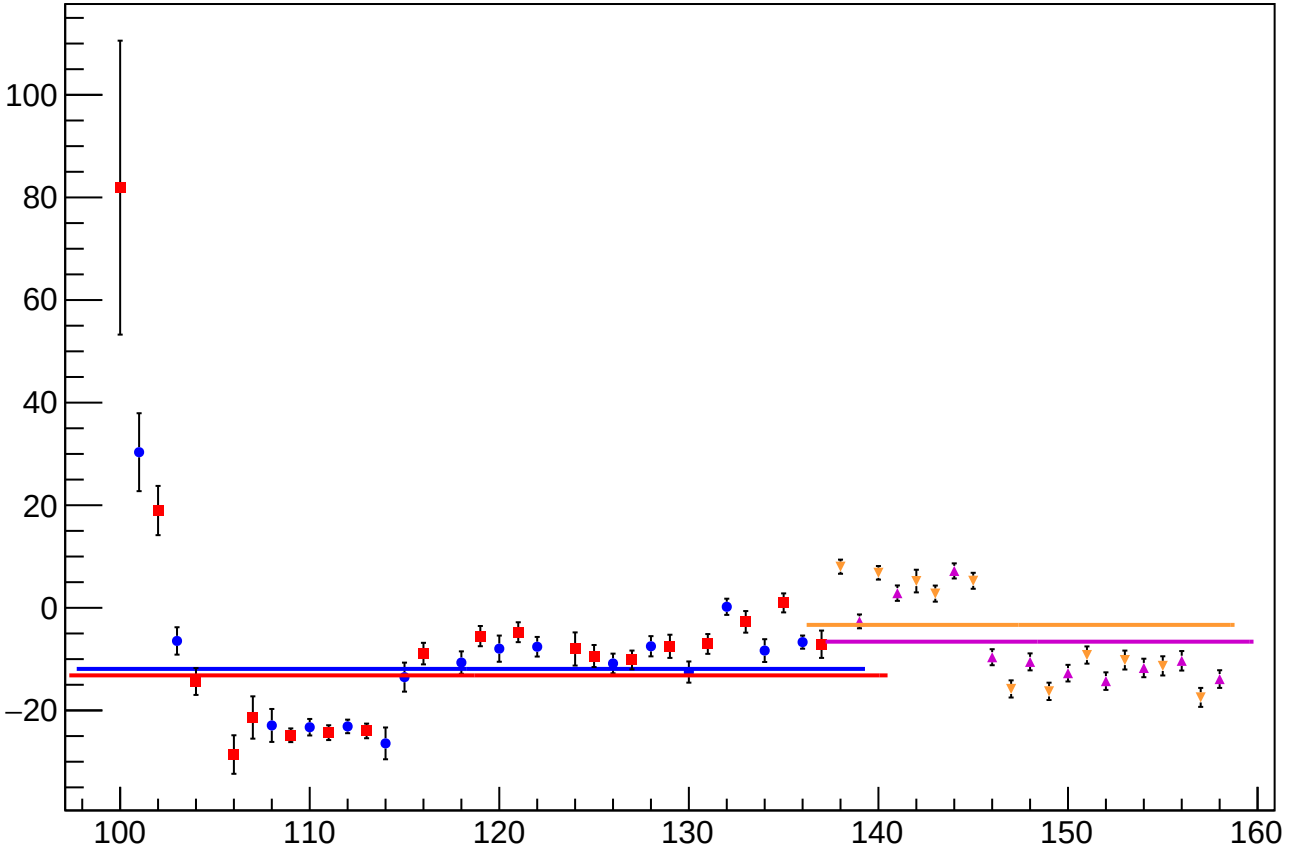
Left In: -31.046+/-0.024 χ^2/NDF:86306.3/9

+ sign -32.833+/-0.021 χ^2/NDF: 168165.3/26

All: -31.655+/-0.015 χ^2/NDF: 357413.7/55

- sign -30.538+/-0.020 χ^2/NDF: 183108.1/28

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: -11.906+/-0.497 χ^2/NDF: 282.1/15

Left Out: -3.325+/-0.497 χ^2/NDF:404.3/10

Right Out: -13.169+/-0.480 χ^2/NDF: 421.5/18

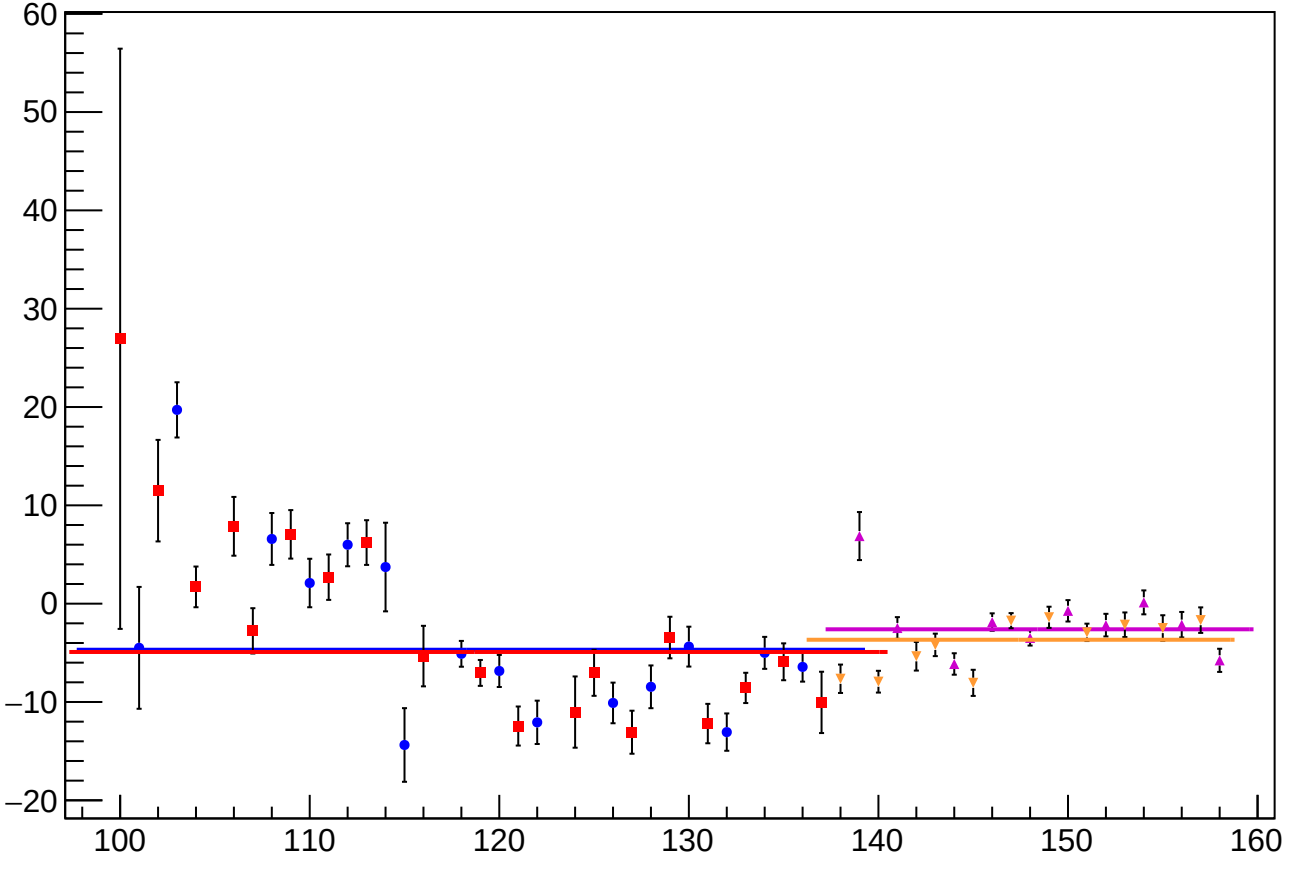
Left In: -6.600+/-0.508 χ^2/NDF:209.5/9

+ sign -7.615+/-0.351 χ^2/NDF: 835.6/26

All: -8.851+/-0.248 χ^2/NDF: 1579.5/55

- sign -10.072+/-0.349 χ^2/NDF: 719.3/28

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -3.670+/-0.338 χ^2/NDF:51.1/10

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

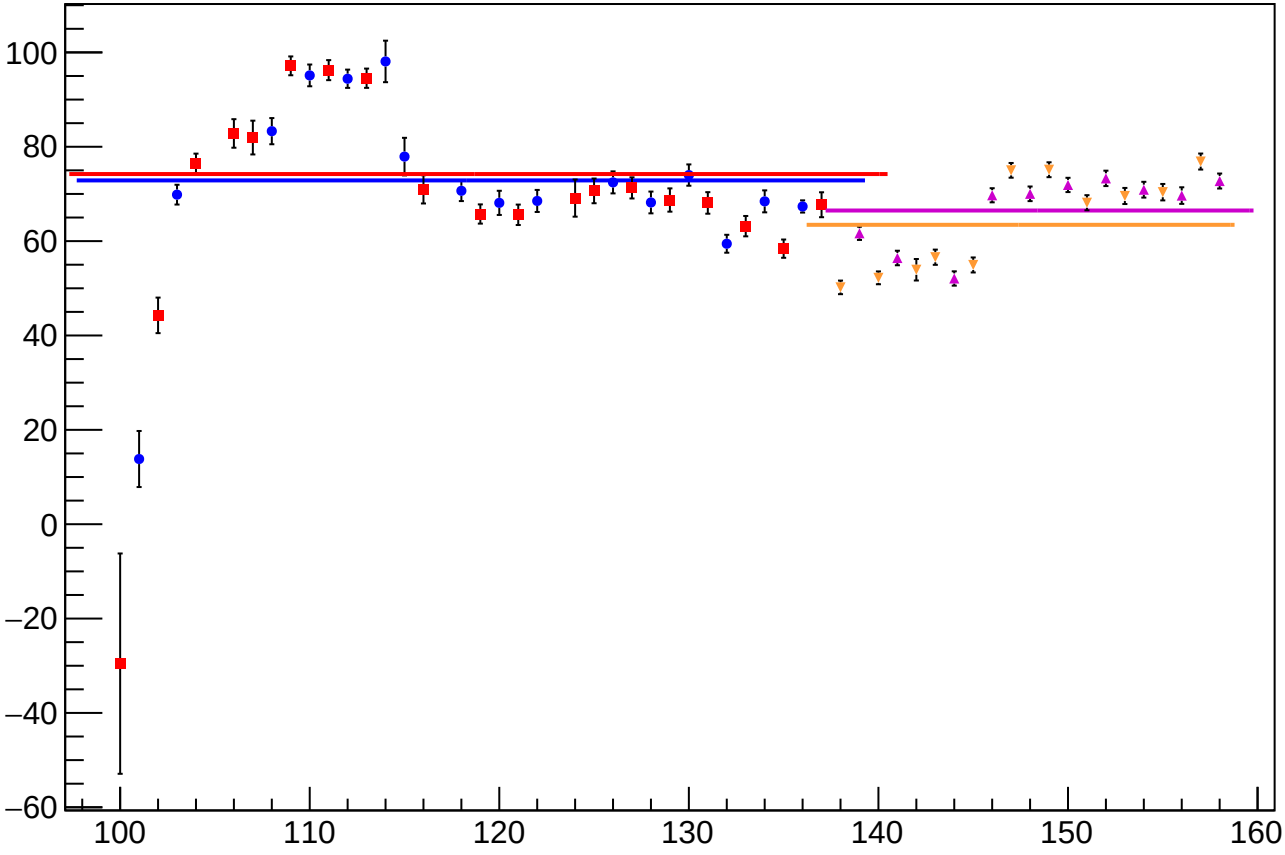
Left In: -2.607+/-0.346 χ^2/NDF:43.0/9

+ sign -3.974+/-0.283 χ^2/NDF: 232.8/26

All: -3.657+/-0.202 χ^2/NDF: 448.1/55

- sign -3.330+/-0.287 χ^2/NDF: 212.7/28

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 63.456+/-0.487 χ^2/NDF:426.2/10

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

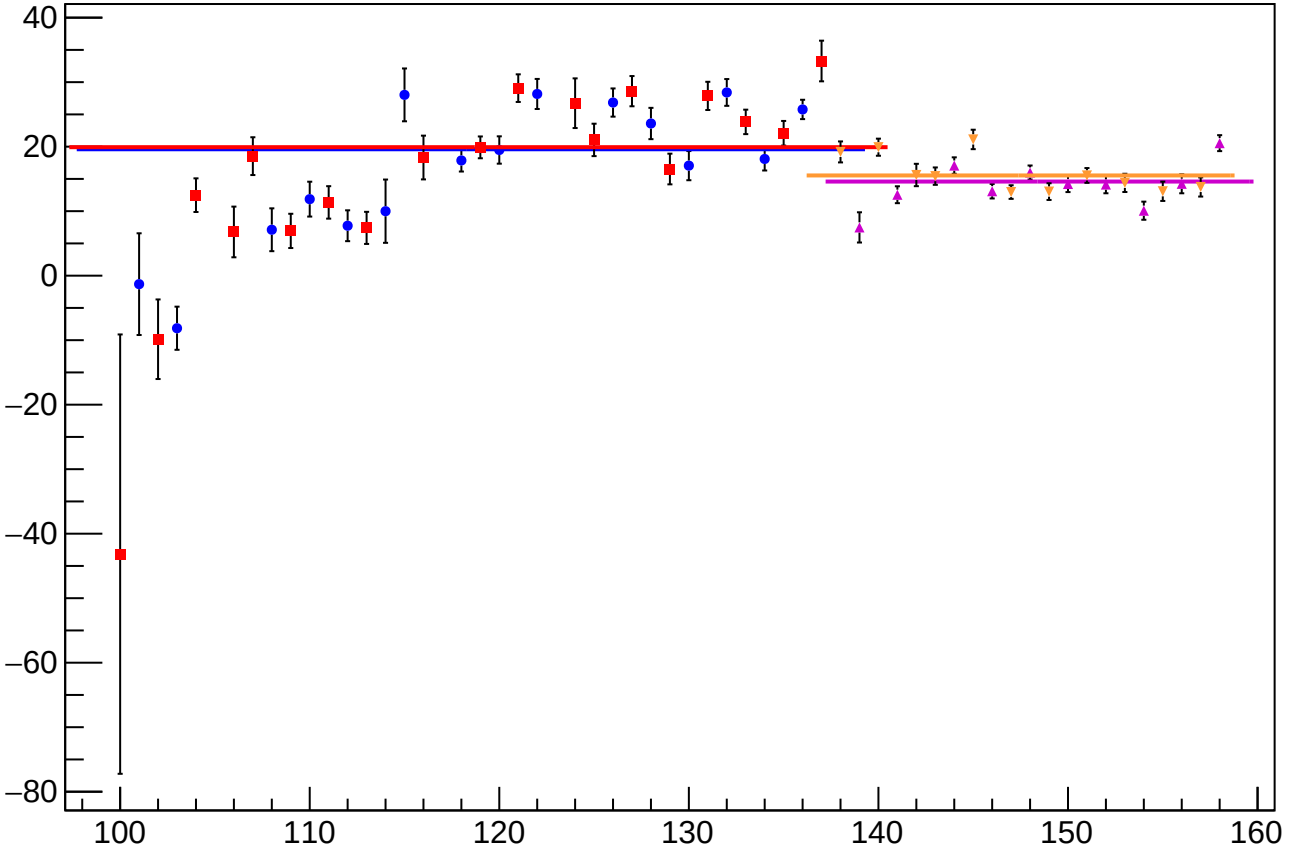
Left In: 66.488+/-0.493 χ^2/NDF:210.3/9

\+ sign 67.464+/-0.369 χ^2/NDF: 1036.0/26

All: 68.651+/-0.262 χ^2/NDF: 1960.0/55

\- sign 69.848+/-0.371 χ^2/NDF: 903.3/28

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 19.598+/-0.585 χ^2/NDF: 196.0/15

Left Out: 15.537+/-0.411 χ^2/NDF:44.2/10

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

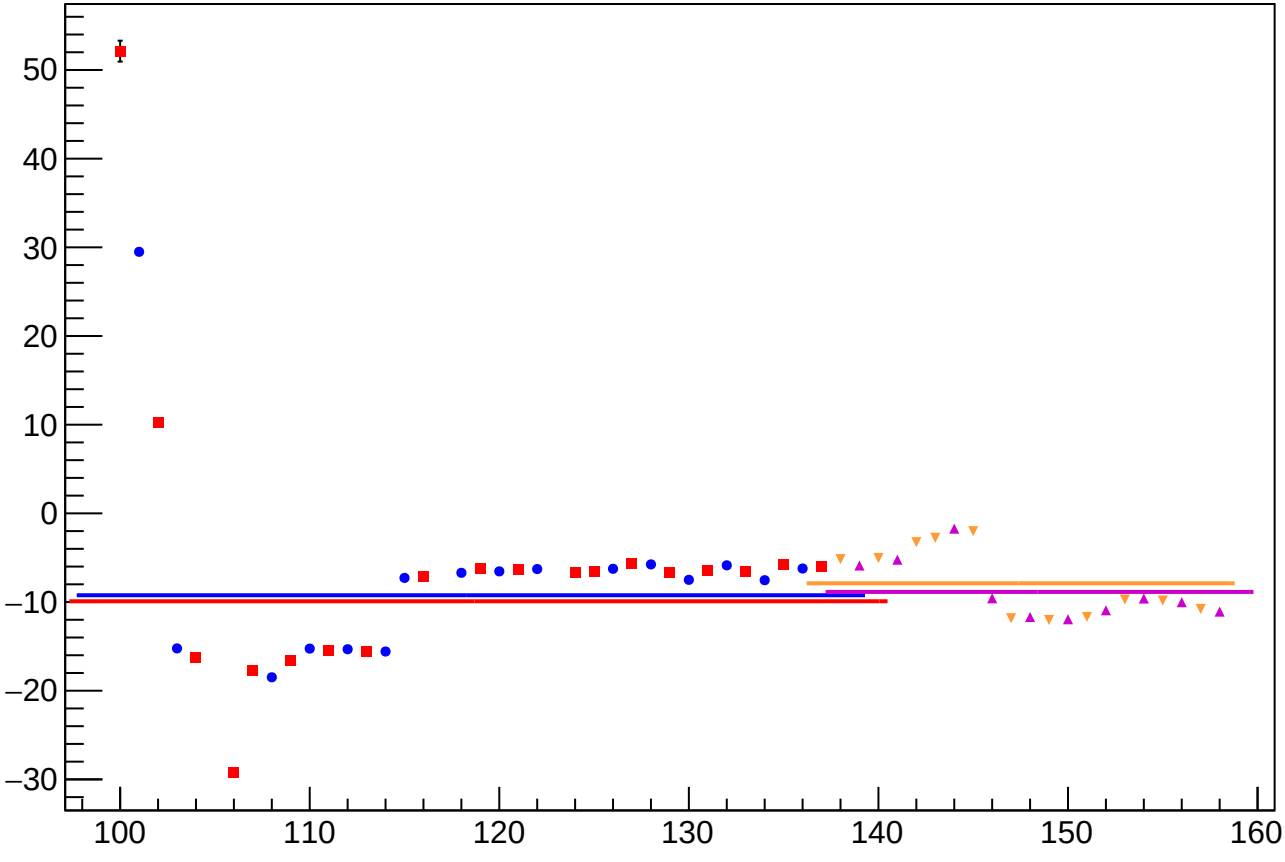
Left In: 14.589+/-0.415 χ^2/NDF:52.6/9

\+ sign 16.877+/-0.336 χ^2/NDF: 272.4/26

All: 16.625+/-0.239 χ^2/NDF: 562.7/55

\- sign 16.371+/-0.338 χ^2/NDF: 289.2/28

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: -9.235+/-0.033 χ^2/NDF: 31159.3/15

Left Out: -7.885+/-0.019 χ^2/NDF:37292.6/10

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

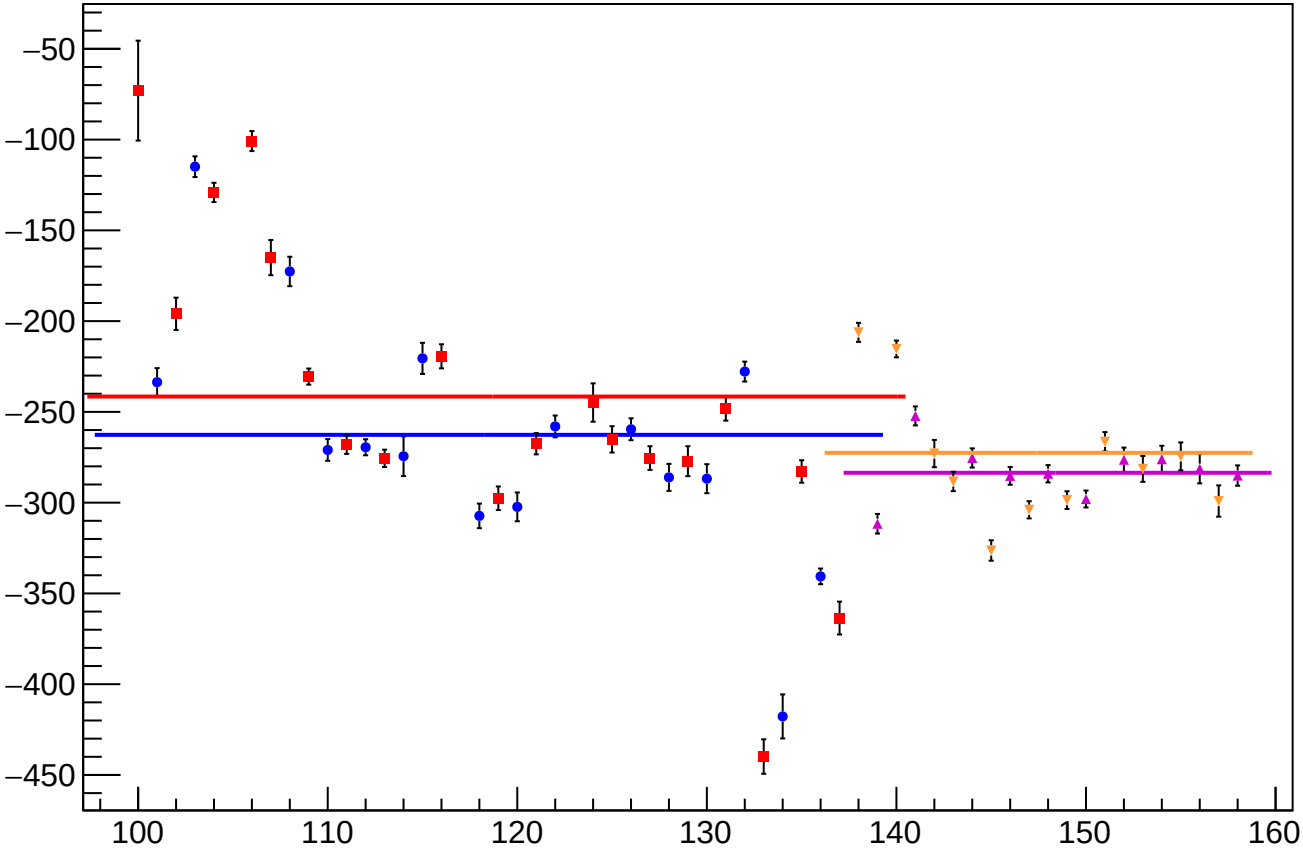
Left In: -8.859+/-0.019 χ^2/NDF:26084.0/9

+ sign -8.222+/-0.016 χ^2/NDF: 69718.4/26

All: -8.661+/-0.012 χ^2/NDF: 151813.9/55

- sign -9.098+/-0.016 χ^2/NDF: 80670.9/28

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -262.643+/-1.614 χ^2/NDF: 1454.3/15

Left Out: -272.553+/-1.716 χ^2/NDF:498.6/10

Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

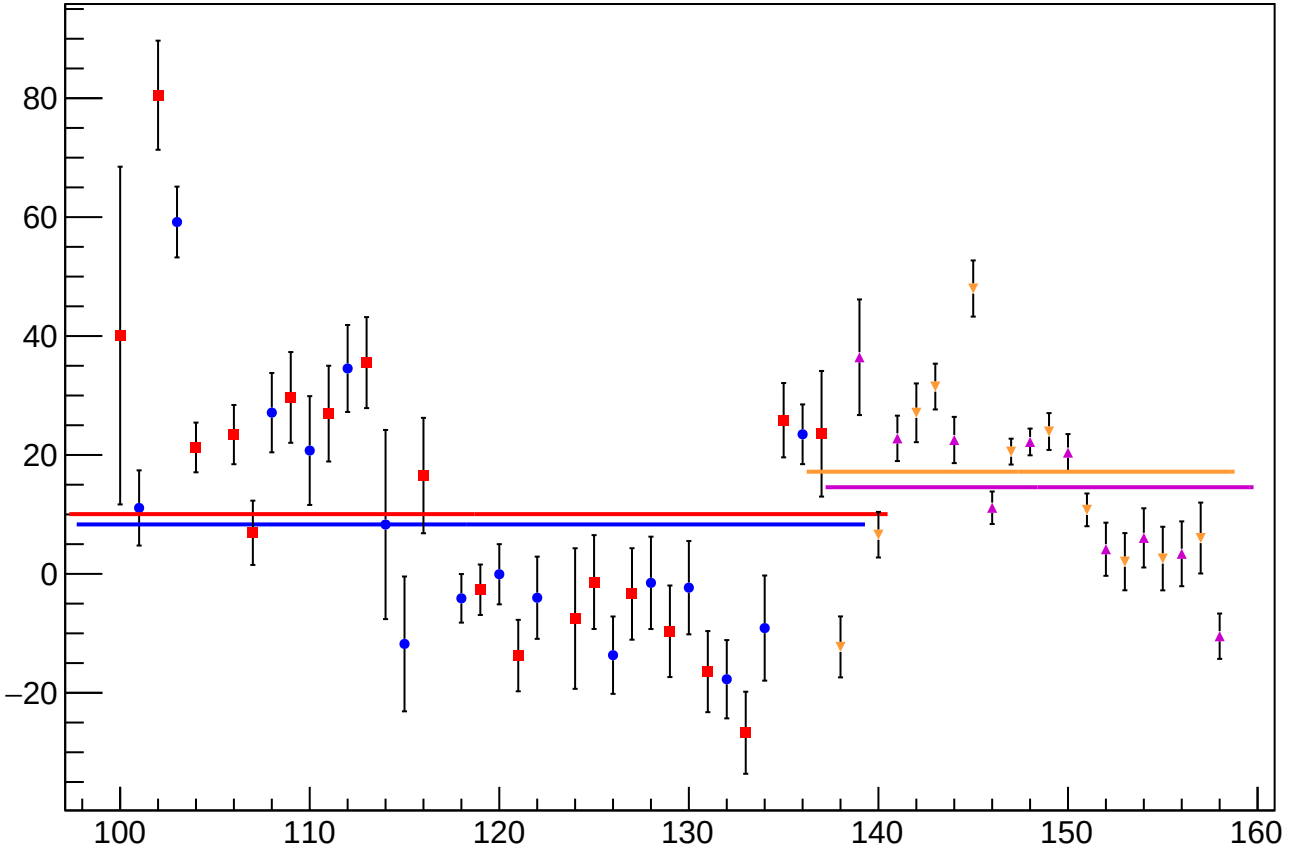
Left In: -283.541+/-1.750 χ^2/NDF:77.4/9

+ sign -267.295+/-1.176 χ^2/NDF: 1970.6/26

All: -263.238+/-0.819 χ^2/NDF: 4540.5/55

- sign -259.412+/-1.142 χ^2/NDF: 2546.7/28

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: 17.187+/-1.109 χ^2/NDF:134.5/10

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

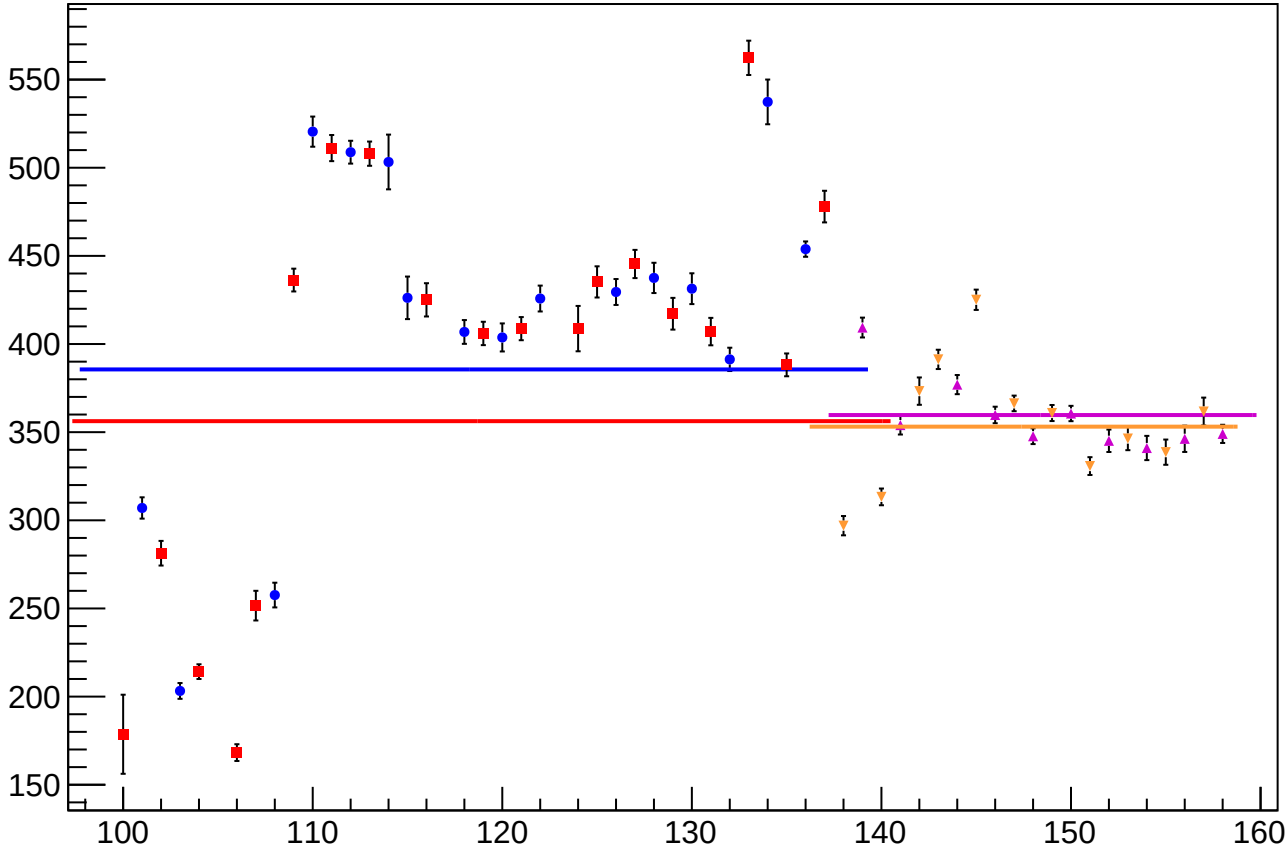
Left In: 14.576+/-1.137 χ^2/NDF:86.2/9

+ sign 14.413+/-0.920 χ^2/NDF: 312.1/26

All: 13.691+/-0.648 χ^2/NDF: 592.6/55

- sign 12.977+/-0.915 χ^2/NDF: 279.2/28

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 385.590+/-1.742 χ^2/NDF: 3373.1/15

Left Out: 353.130+/-1.678 χ^2/NDF:425.0/10

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

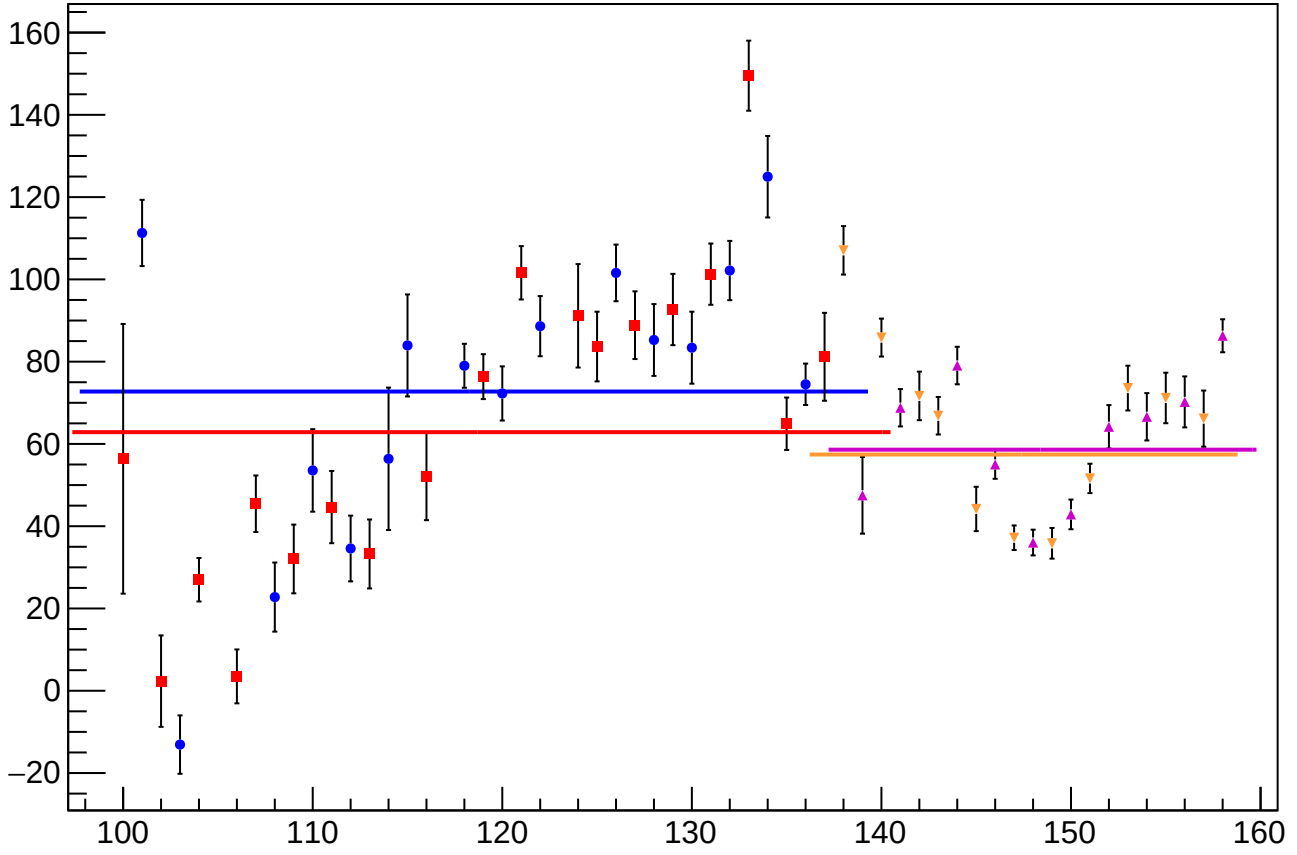
Left In: 359.715+/-1.690 χ^2/NDF:116.4/9

\+ sign 368.754+/-1.209 χ^2/NDF: 3978.2/26

All: 363.211+/-0.844 χ^2/NDF: 9408.1/55

\- sign 357.935+/-1.179 χ^2/NDF: 5388.8/28

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug



Right In: 72.740+/-1.897 χ^2/NDF: 304.3/15

Left Out: 57.426+/-1.372 χ^2/NDF:222.5/10

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

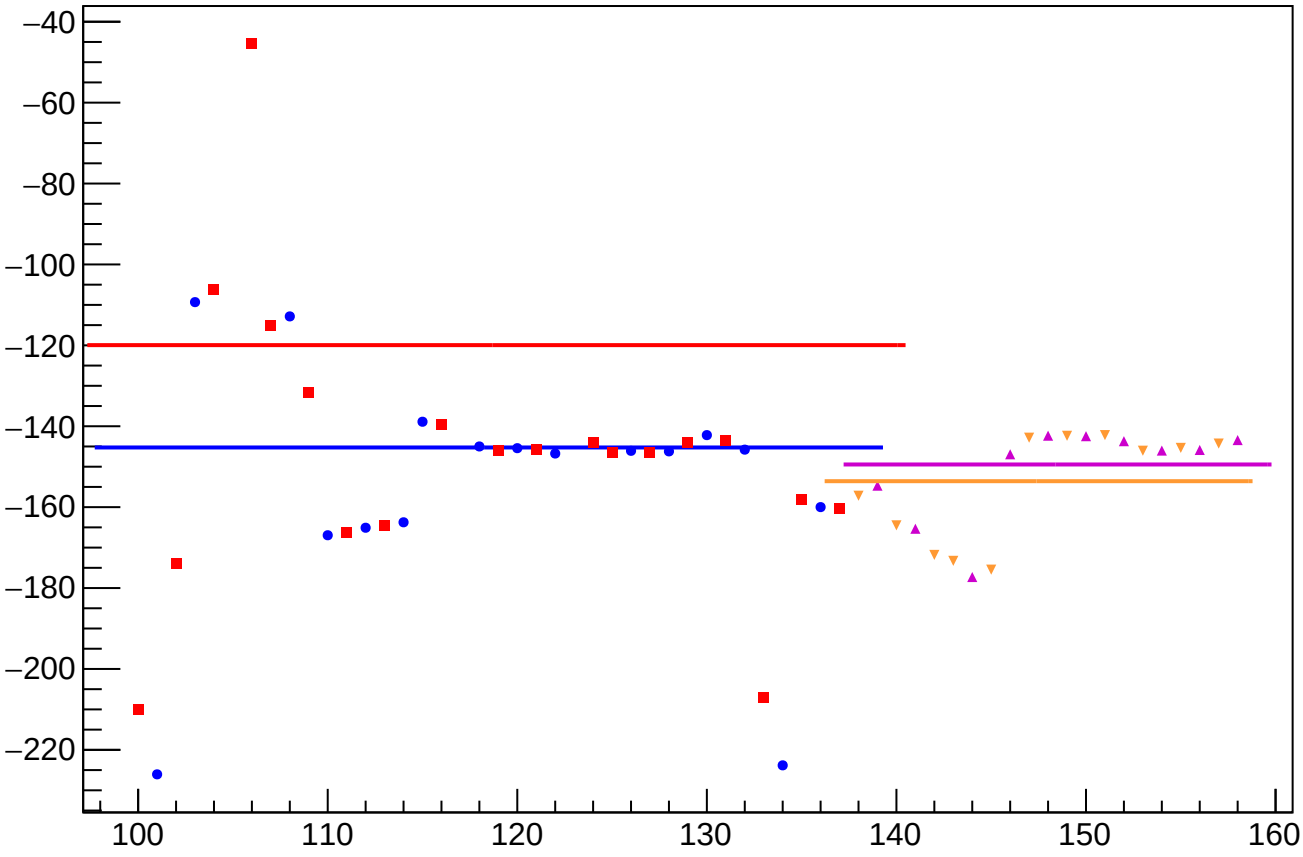
Left In: 58.606+/-1.381 χ^2/NDF:153.0/9

+ sign 62.688+/-1.112 χ^2/NDF: 569.6/26

All: 61.419+/-0.780 χ^2/NDF: 1132.3/55

- sign 60.190+/-1.095 χ^2/NDF: 560.1/28

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -153.582+/-0.067 χ^2/NDF:36012.6/10

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

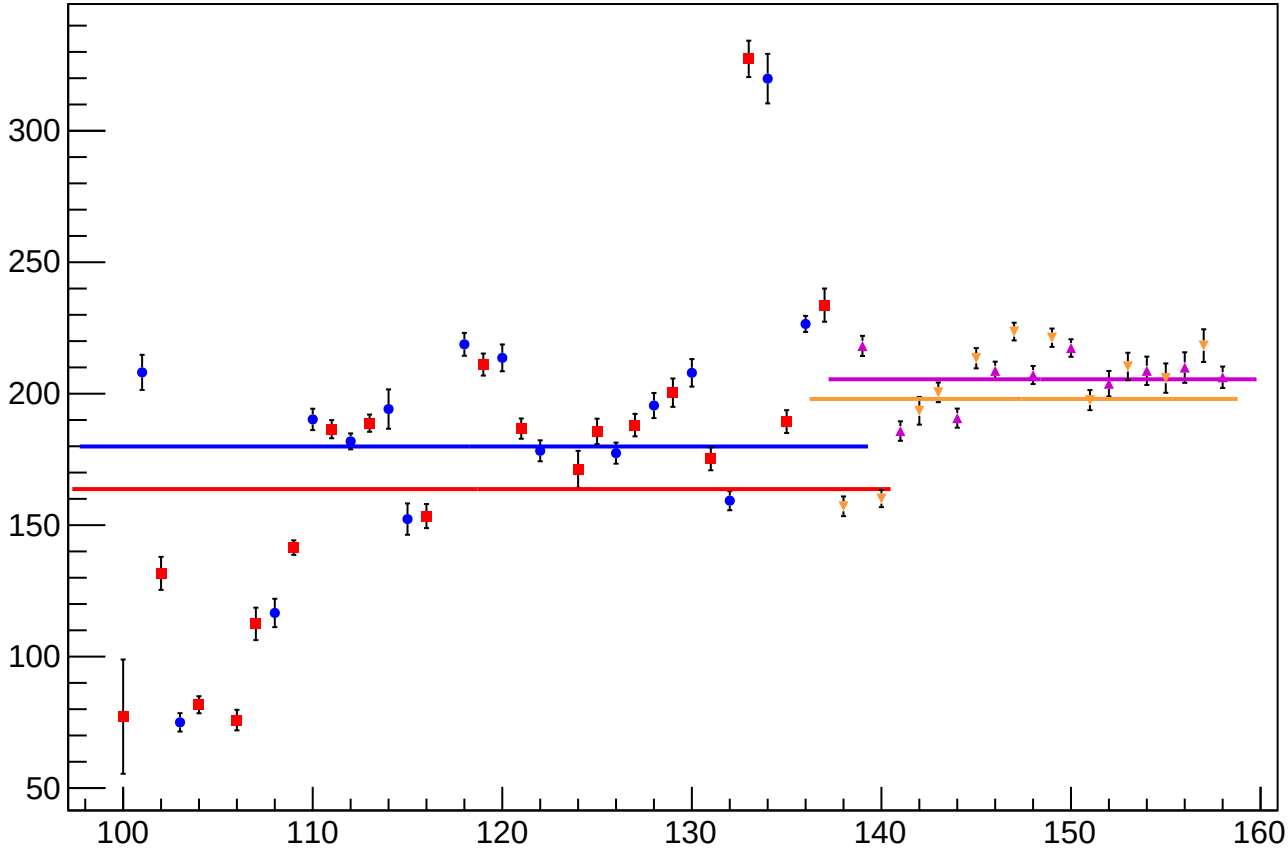
Left In: -149.450+/-0.065 χ^2/NDF:24465.3/9

+ sign -150.921+/-0.056 χ^2/NDF: 172961.8/26

All: -144.712+/-0.038 χ^2/NDF: 563045.4/55

- sign -139.157+/-0.053 χ^2/NDF: 366419.7/28

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 198.000+/-1.219 χ^2/NDF:390.1/10

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

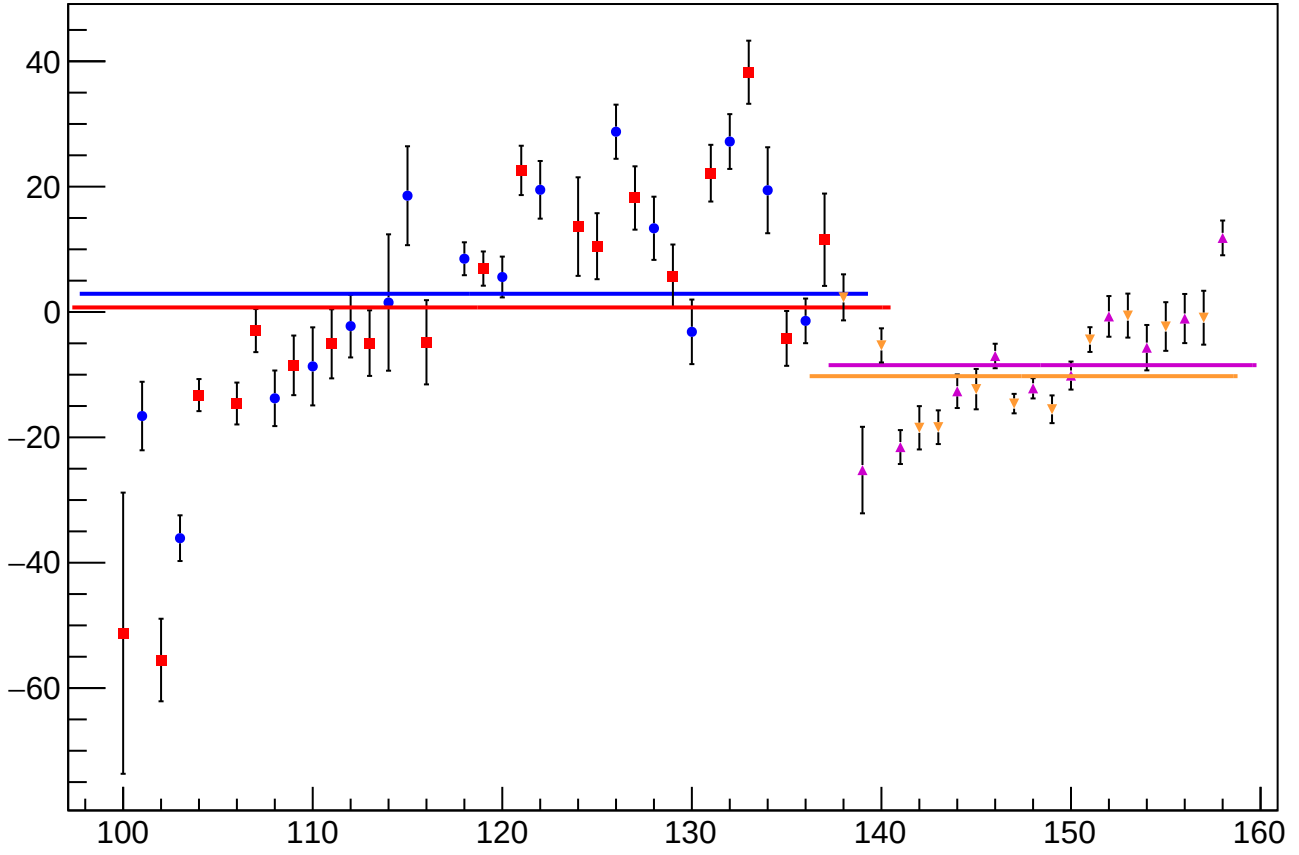
Left In: 205.478+/-1.250 χ^2/NDF:70.6/9

\+ sign 187.942+/-0.812 χ^2/NDF: 2245.2/26

All: 183.837+/-0.563 χ^2/NDF: 5462.3/55

\- sign 180.038+/-0.781 χ^2/NDF: 3167.9/28

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -10.237+/-0.789 χ^2/NDF:69.1/10

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

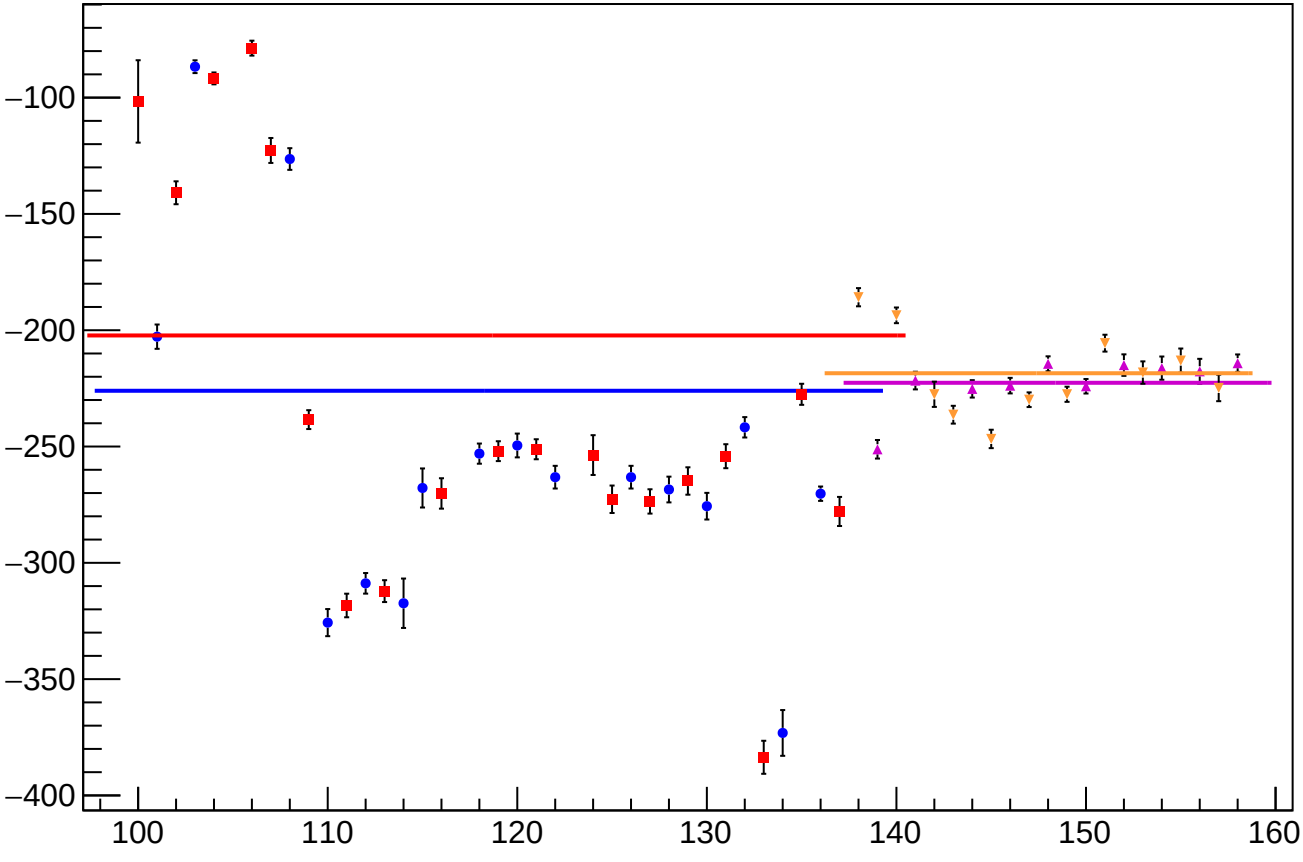
Left In: -8.481+/-0.814 χ^2/NDF:101.6/9

+ sign -5.795+/-0.642 χ^2/NDF: 410.3/26

All: -5.324+/-0.451 χ^2/NDF: 836.8/55

- sign -4.864+/-0.634 χ^2/NDF: 425.4/28

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -218.490+/-1.194 χ^2/NDF:235.6/10

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

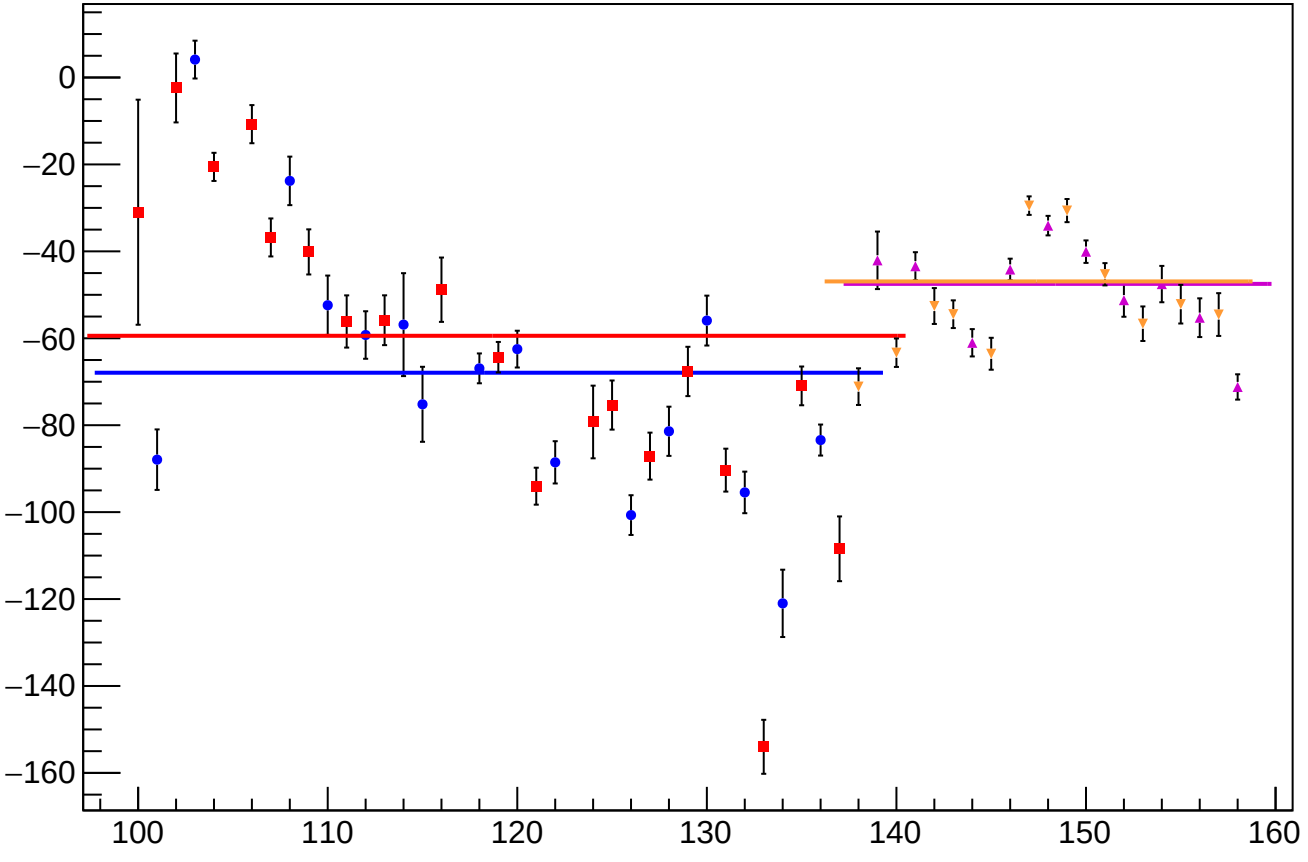
Left In: -222.598+/-1.208 χ^2/NDF:68.9/9

+ sign -222.319+/-0.837 χ^2/NDF: 4794.9/26

All: -216.641+/-0.581 χ^2/NDF: 11800.2/55

- sign -211.355+/-0.808 χ^2/NDF: 6916.5/28

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.927+/-1.278 χ^2/NDF: 534.0/15

Left Out: -46.919+/-0.976 χ^2/NDF:200.7/10

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

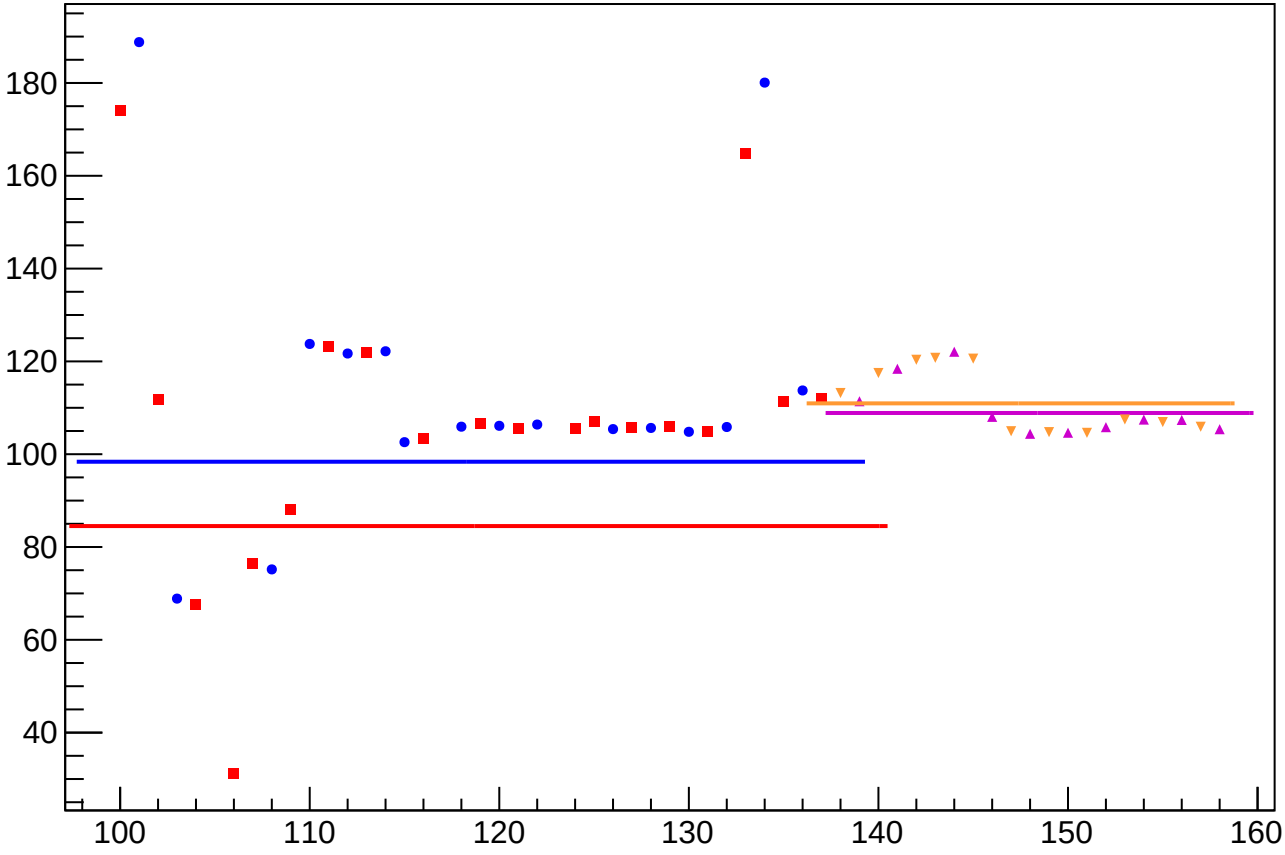
Left In: -47.485+/-0.989 χ^2/NDF:136.7/9

+ sign -54.659+/-0.776 χ^2/NDF: 905.4/26

All: -53.500+/-0.542 χ^2/NDF: 1901.2/55

- sign -52.390+/-0.759 χ^2/NDF: 991.5/28

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 98.377+/-0.066 χ^2/NDF: 228419.7/15

Left Out: 110.955+/-0.048 χ^2/NDF:18963.6/10

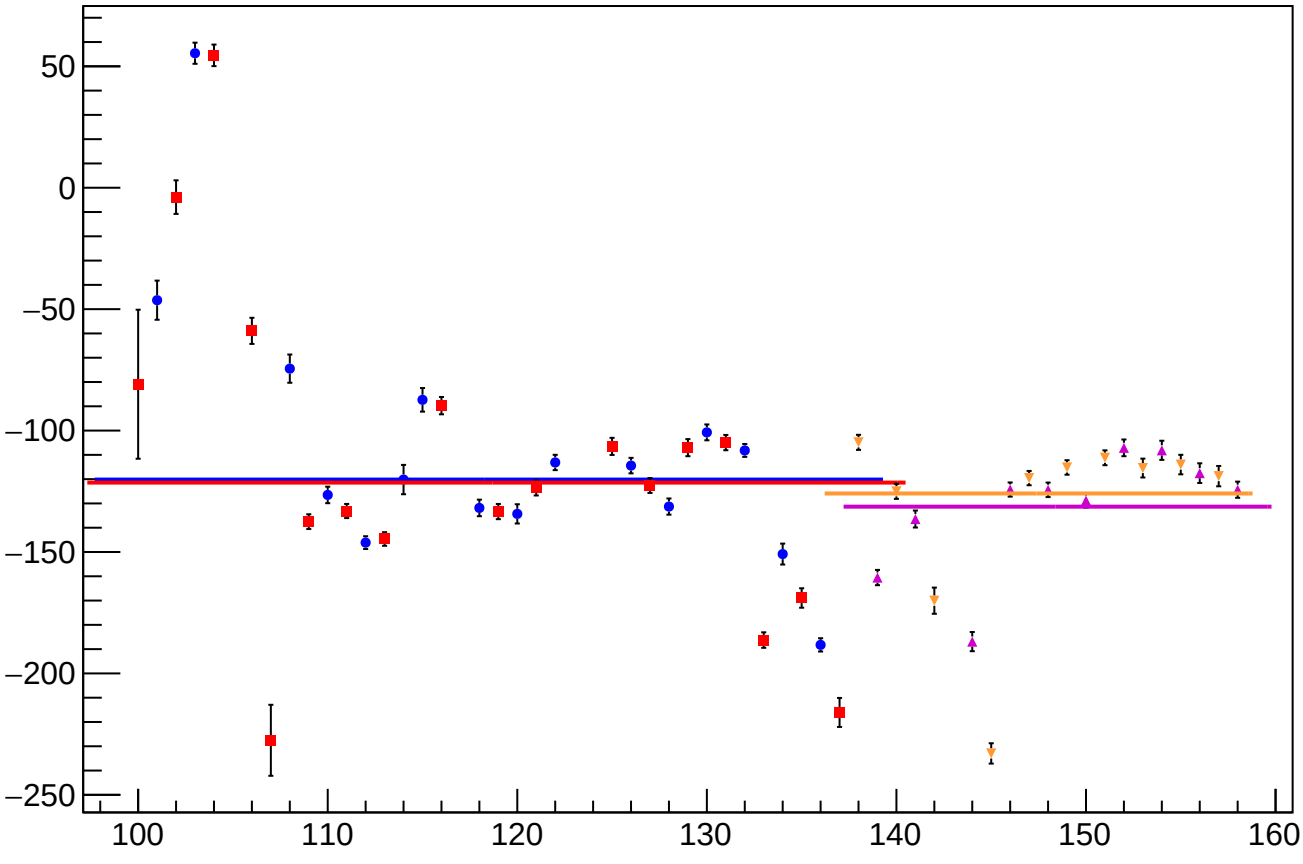
Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

Left In: 108.884+/-0.047 χ^2/NDF:13831.3/9

+ sign 106.613+/-0.039 χ^2/NDF: 271134.7/26

All: 103.054+/-0.027 χ^2/NDF: 671445.7/55

- sign 99.825+/-0.037 χ^2/NDF: 384270.0/28



Right In: -120.177+/-0.891 χ^2/NDF: 2691.2/15

Left Out: -125.901+/-1.105 χ^2/NDF:826.6/9

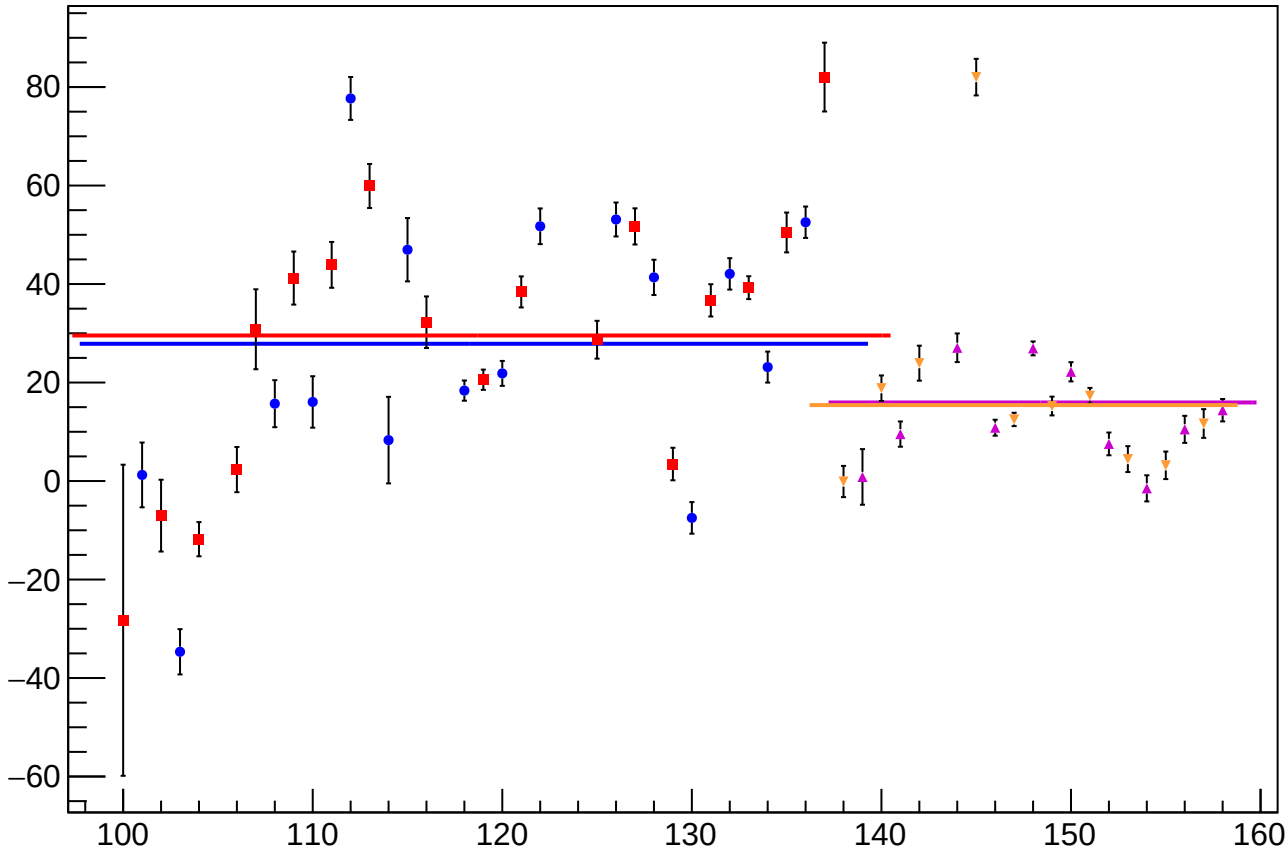
Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

Left In: -131.328+/-1.057 χ^2/NDF:398.3/9

+ sign -122.430+/-0.693 χ^2/NDF: 3534.0/25

All: -123.983+/-0.483 χ^2/NDF: 7120.6/53

- sign -125.450+/-0.674 χ^2/NDF: 3576.8/27



Right In: 27.872+/-0.888 χ^2/NDF: 699.6/15

Left Out: 15.420+/-0.706 χ^2/NDF:397.2/9

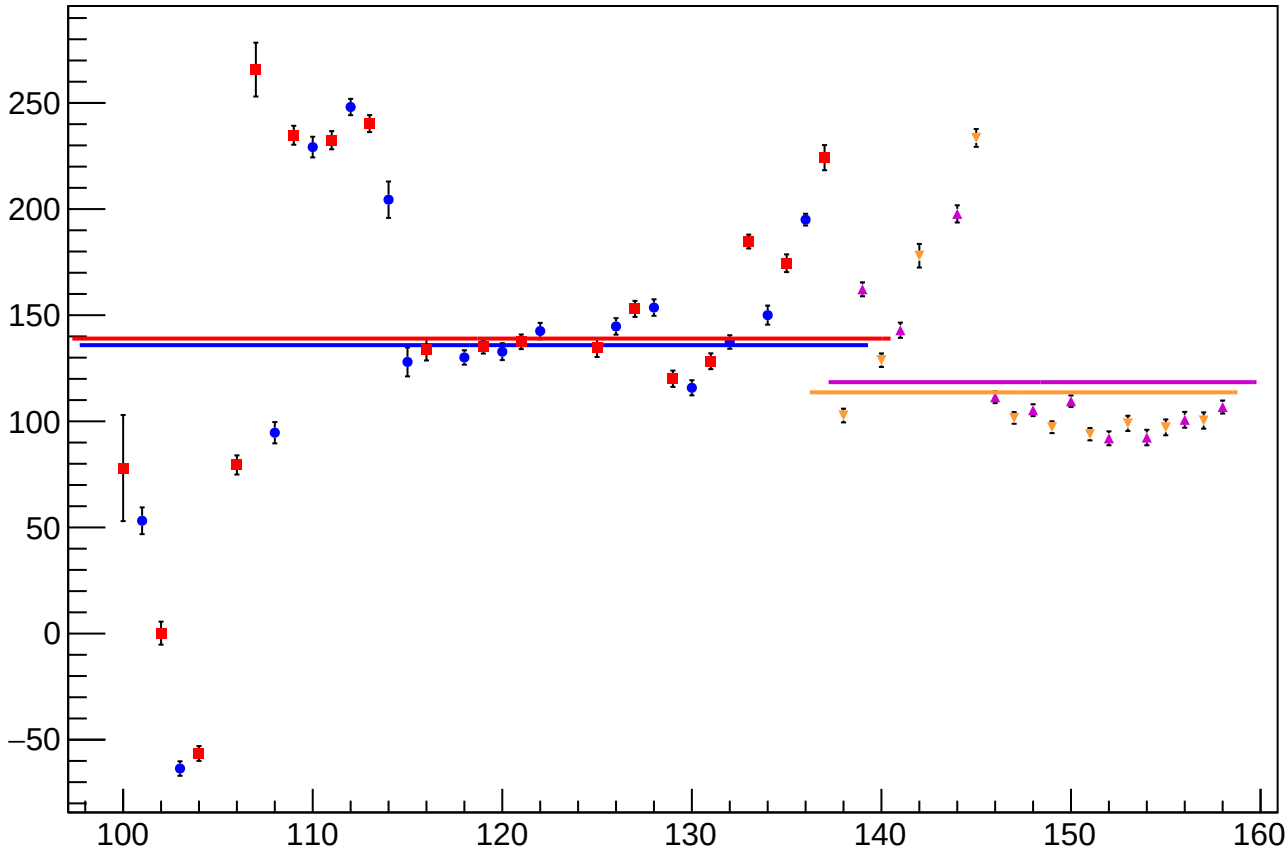
Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 15.951+/-0.689 χ^2/NDF:169.9/9

+ sign 20.238+/-0.552 χ^2/NDF: 1217.3/25

All: 20.651+/-0.388 χ^2/NDF: 2031.8/53

- sign 21.053+/-0.545 χ^2/NDF: 813.4/27



Right In: 135.883+/-0.999 χ^2/NDF: 5463.6/15

Left Out: 113.654+/-1.068 χ^2/NDF:1122.1/9

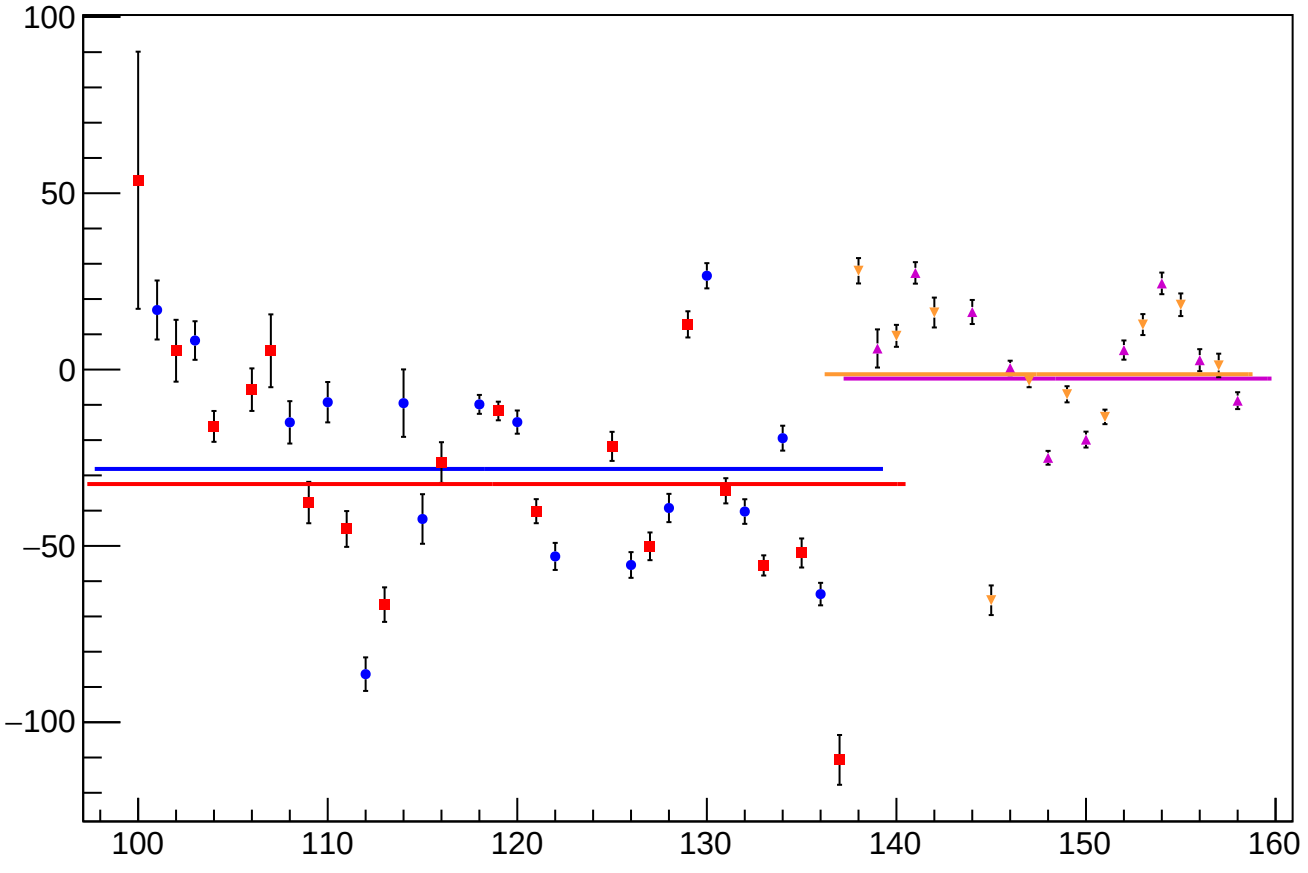
Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 118.451+/-1.016 χ^2/NDF:796.8/9

\+ sign 125.512+/-0.729 χ^2/NDF: 6816.9/25

All: 127.245+/-0.509 χ^2/NDF: 13989.1/53

\- sign 128.897+/-0.712 χ^2/NDF: 7161.1/27



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: -1.322+/-0.874 χ^2/NDF:430.5/9

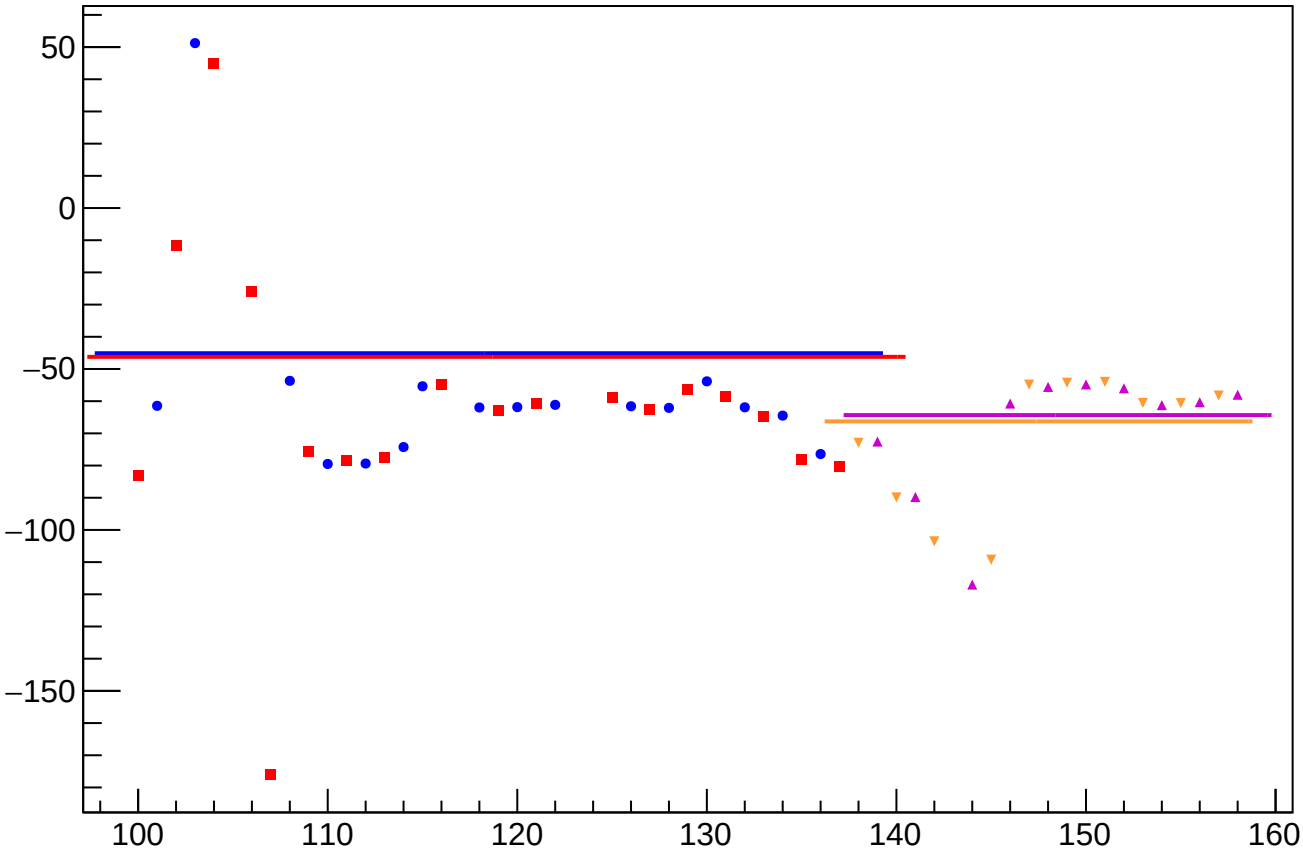
Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: -2.555+/-0.834 χ^2/NDF:418.3/9

+ sign -12.663+/-0.664 χ^2/NDF: 1620.3/25

All: -13.570+/-0.464 χ^2/NDF: 3133.9/53

- sign -14.431+/-0.647 χ^2/NDF: 1509.9/27



Right In: -45.106+/-0.060 χ^2/NDF: 575184.2/15

Left Out: -66.283+/-0.042 χ^2/NDF:162562.8/9

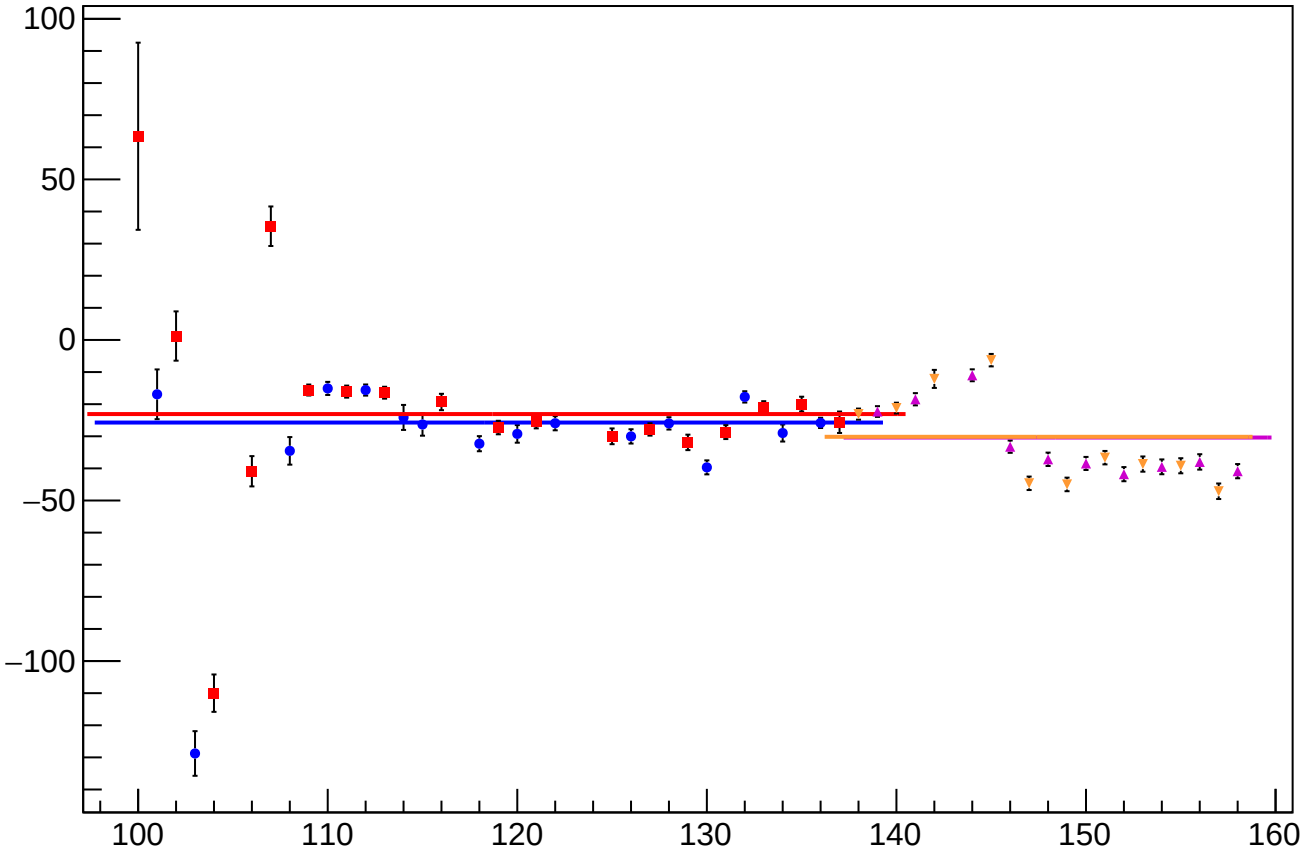
Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

Left In: -64.319+/-0.038 χ^2/NDF:142640.7/9

+ sign -59.402+/-0.034 χ^2/NDF: 821468.8/25

All: -59.379+/-0.024 χ^2/NDF: 1518358.3/53

- sign -59.358+/-0.033 χ^2/NDF: 696888.7/27



Right In: -25.721+/-0.590 χ^2/NDF: 363.0/15

Left Out: -30.163+/-0.661 χ^2/NDF:420.7/9

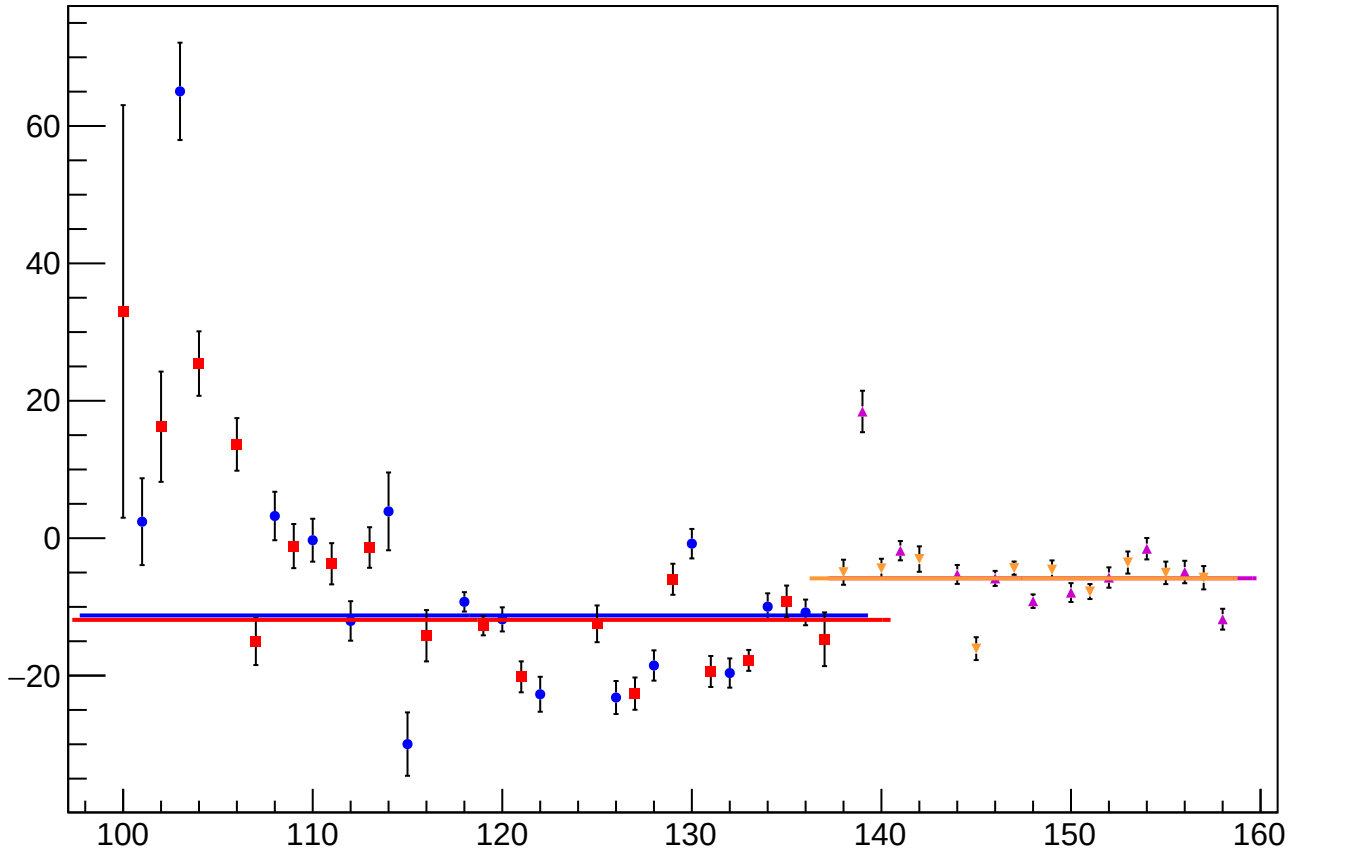
Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -30.388+/-0.641 χ^2/NDF:274.7/9

+ sign -27.692+/-0.440 χ^2/NDF: 808.8/25

All: -27.023+/-0.308 χ^2/NDF: 1596.4/53

- sign -26.383+/-0.431 χ^2/NDF: 783.1/27



Right In: -11.246+/-0.600 χ^2/NDF: 271.1/15

Left Out: -5.845+/-0.446 χ^2/NDF:50.0/9

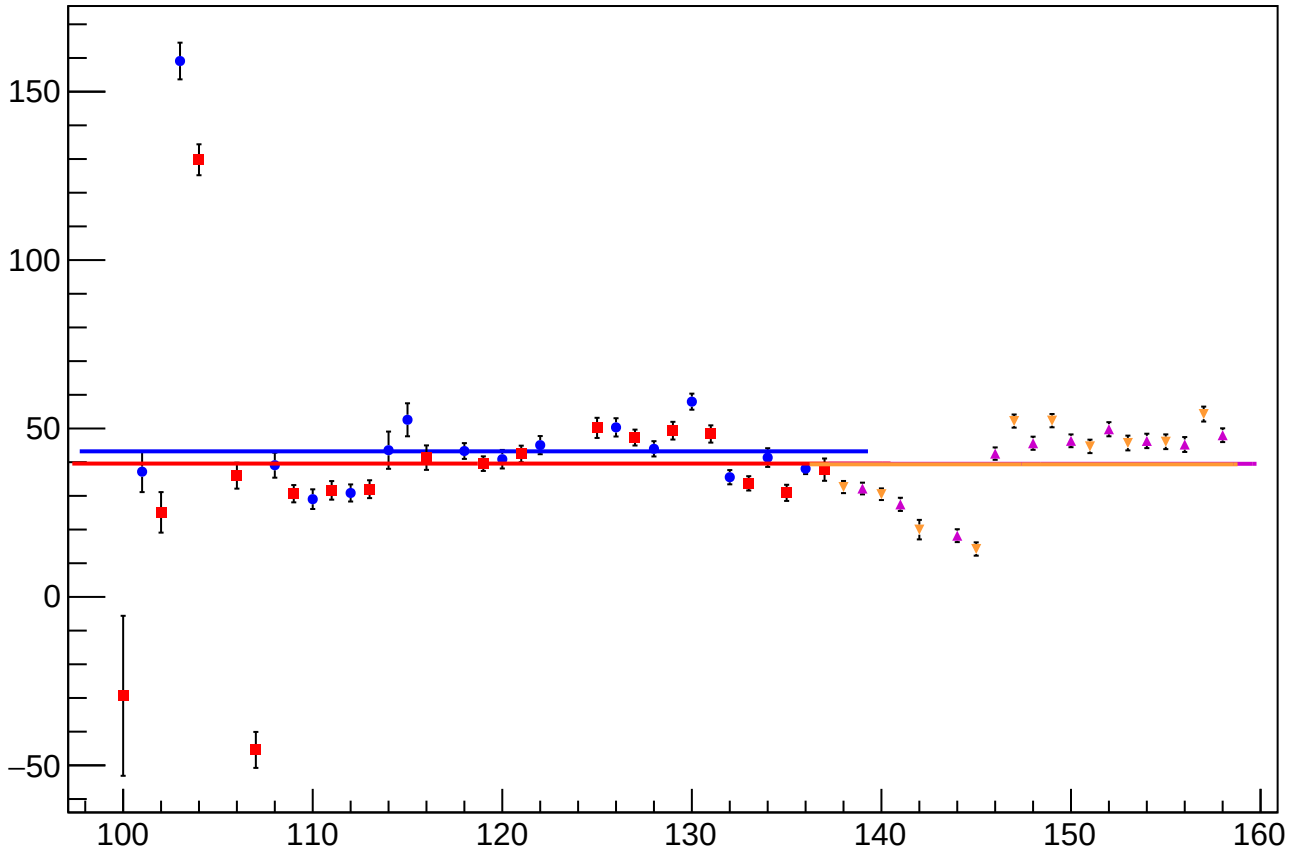
Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: -5.835+/-0.438 χ^2/NDF:110.2/9

\+ sign -7.768+/-0.358 χ^2/NDF: 373.3/25

All: -7.838+/-0.252 χ^2/NDF: 773.5/53

\- sign -7.907+/-0.355 χ^2/NDF: 400.1/27



Right In: 43.222+/-0.678 χ^2/NDF: 576.0/15

Left Out: 39.369+/-0.645 χ^2/NDF:402.5/9

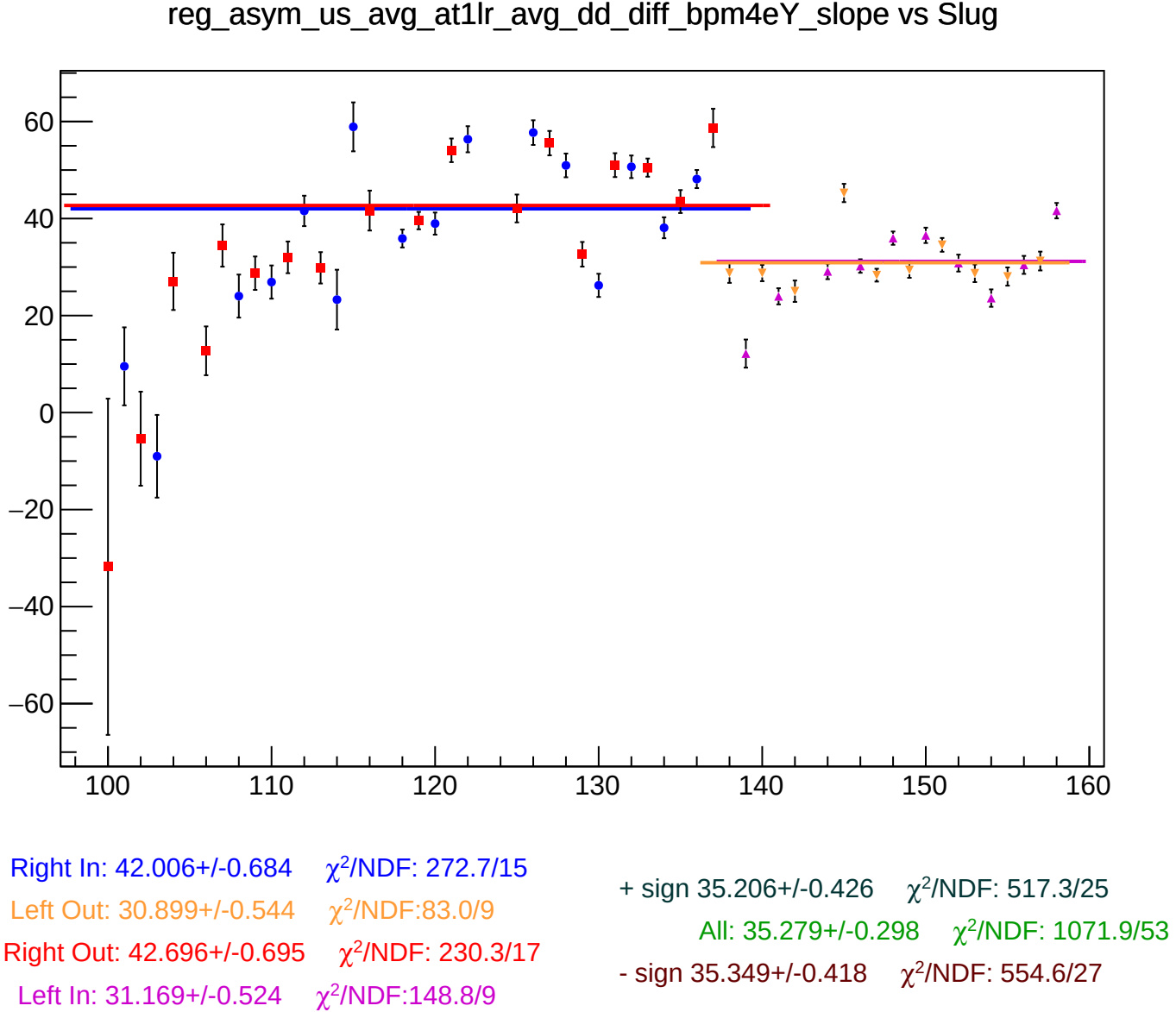
Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

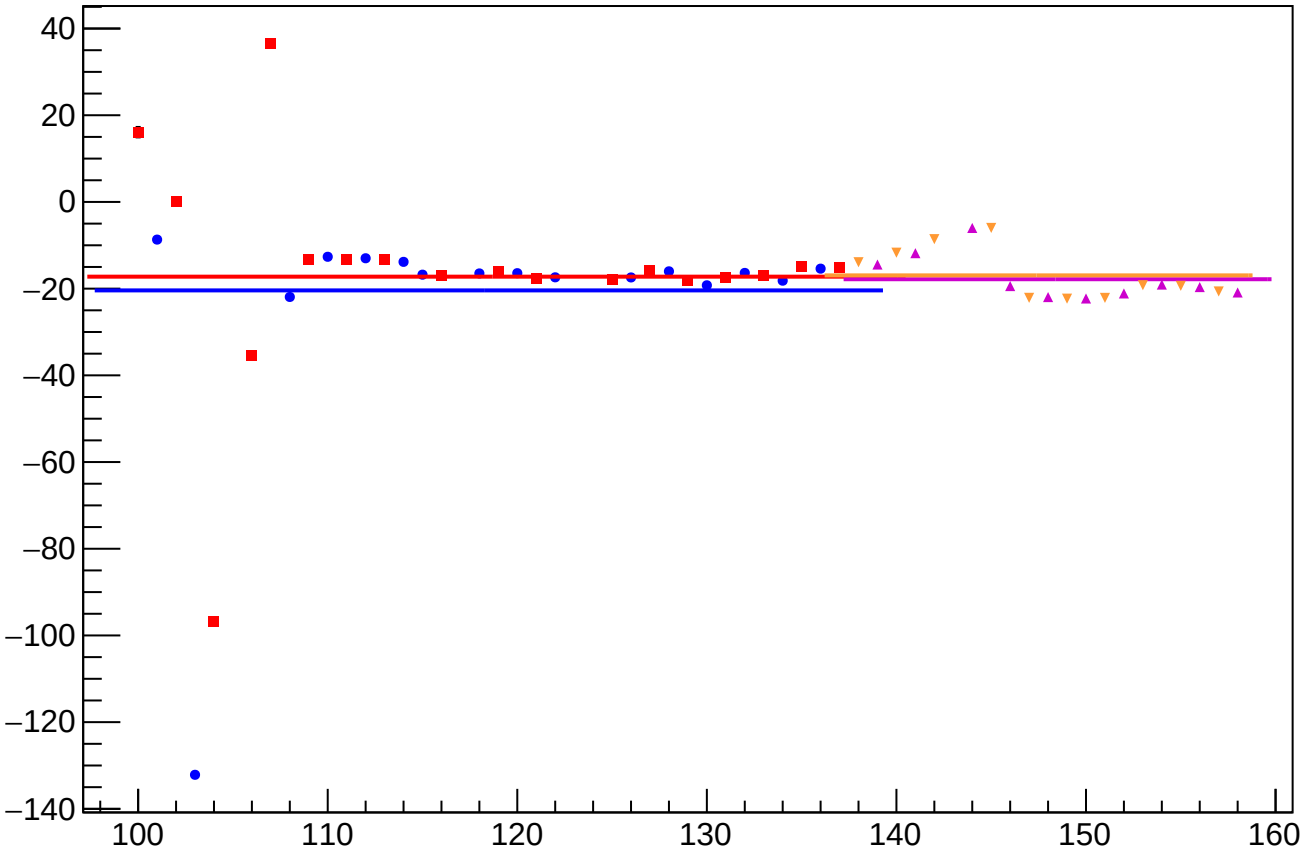
Left In: 39.520+/-0.622 χ^2/NDF:263.2/9

\+ sign 41.199+/-0.467 χ^2/NDF: 995.5/25

All: 40.362+/-0.328 χ^2/NDF: 2019.0/53

\- sign 39.550+/-0.460 χ^2/NDF: 1017.3/27


reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
Right In: 42.006+/-0.684 χ²/NDF: 272.7/15
Left Out: 30.899+/-0.544 χ²/NDF:83.0/9
Right Out: 42.696+/-0.695 χ²/NDF: 230.3/17
Left In: 31.169+/-0.524 χ²/NDF:148.8/9
+ sign 35.206+/-0.426 χ²/NDF: 517.3/25
All: 35.279+/-0.298 χ²/NDF: 1071.9/53
- sign 35.349+/-0.418 χ²/NDF: 554.6/27



Right In: -20.405+/-0.042 χ^2/NDF: 245611.9/15

Left Out: -16.940+/-0.025 χ^2/NDF:47957.6/9

Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

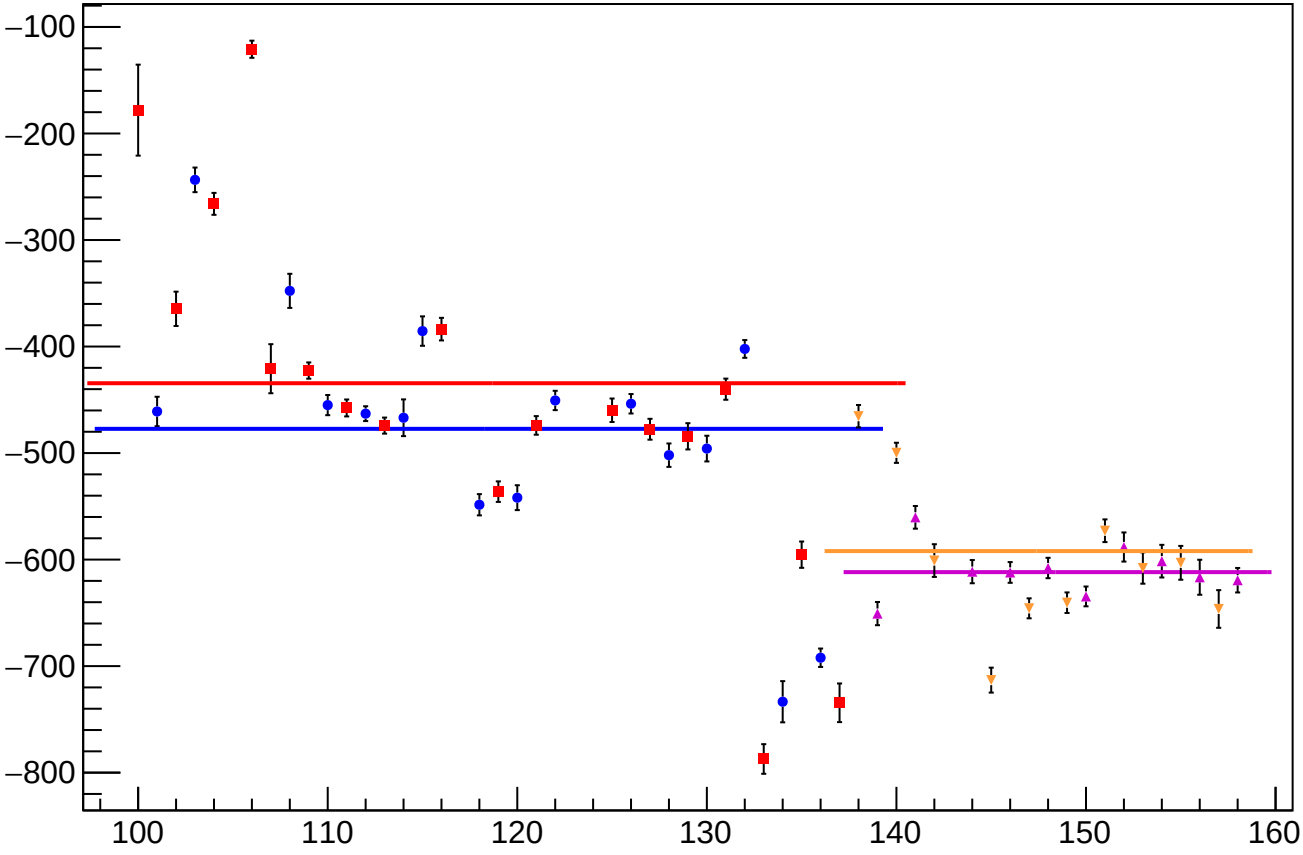
Left In: -17.828+/-0.024 χ^2/NDF:38974.8/9

+ sign -17.849+/-0.021 χ^2/NDF: 298613.5/25

All: -17.770+/-0.015 χ^2/NDF: 542411.6/53

- sign -17.697+/-0.021 χ^2/NDF: 243772.2/27

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -477.255+/-2.633 χ^2/NDF: 1510.8/15

Left Out: -592.023+/-3.664 χ^2/NDF:419.9/9

Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

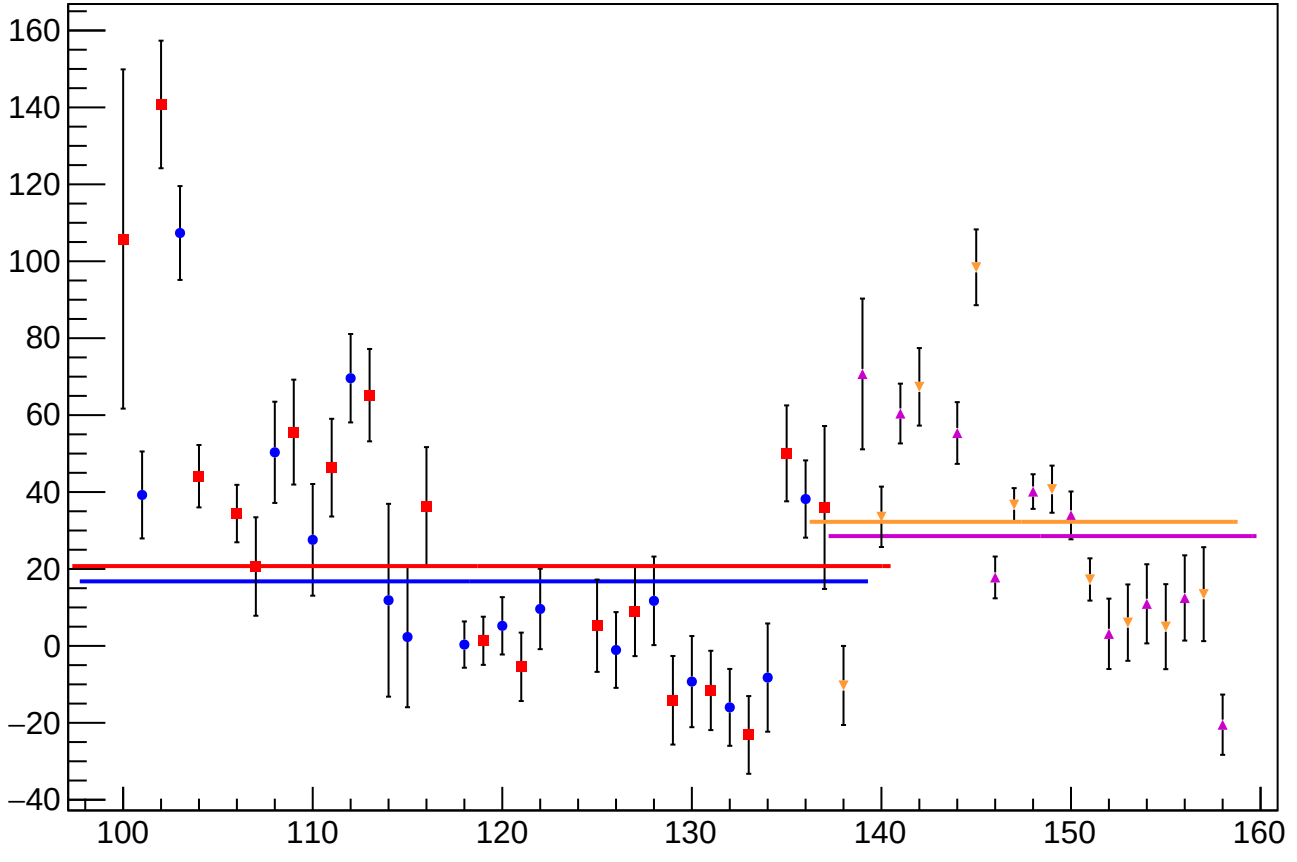
Left In: -611.769+/-3.544 χ^2/NDF:46.3/9

\+ sign -516.340+/-2.138 χ^2/NDF: 2577.7/25

All: -503.611+/-1.470 χ^2/NDF: 7540.9/53

\- sign -492.217+/-2.023 χ^2/NDF: 4896.0/27

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 16.780+/-2.654 χ^2/NDF: 125.0/15

Left Out: 32.261+/-2.327 χ^2/NDF:100.2/9

Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

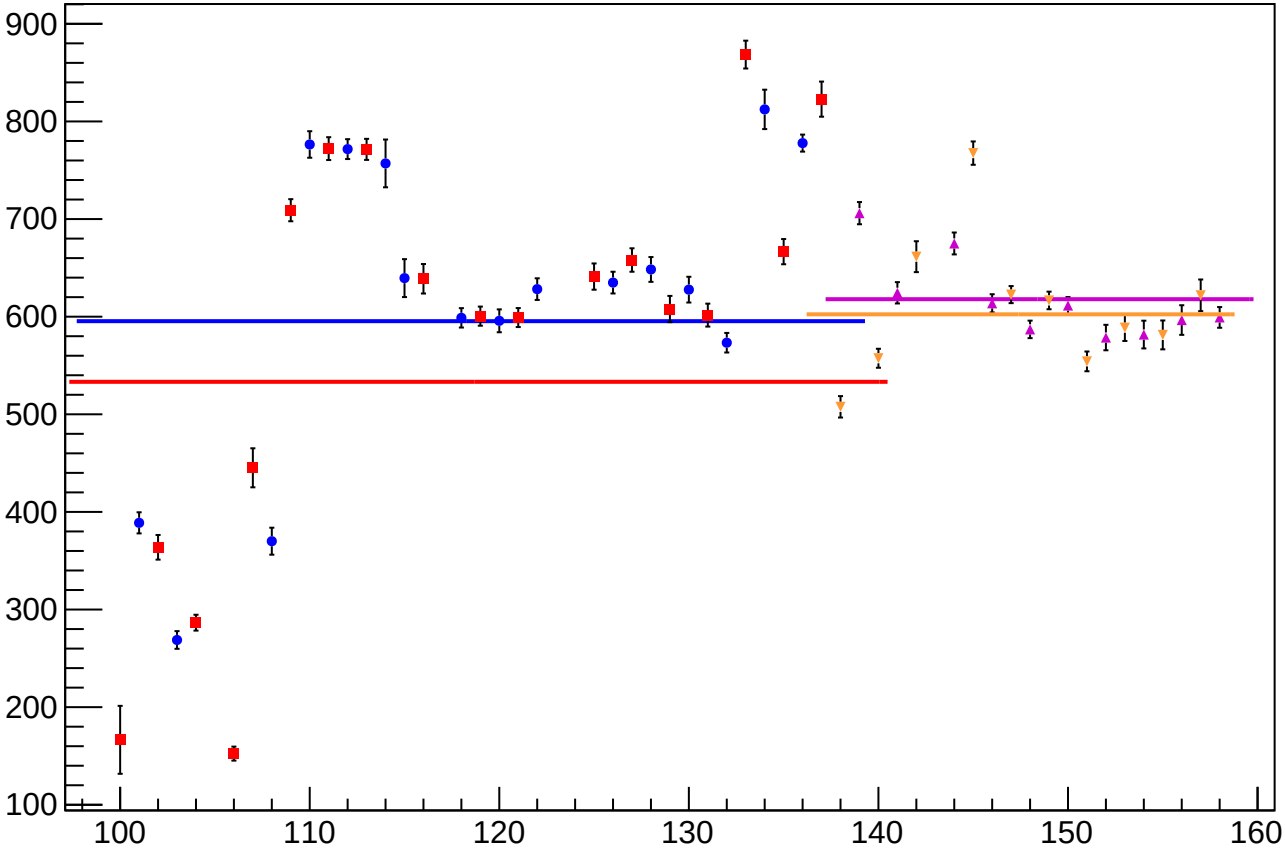
Left In: 28.548+/-2.297 χ^2/NDF:95.8/9

+ sign 25.533+/-1.750 χ^2/NDF: 244.5/25

All: 25.286+/-1.222 χ^2/NDF: 503.4/53

- sign 25.052+/-1.706 χ^2/NDF: 258.9/27

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 595.406+/-2.930 χ^2/NDF: 3059.7/15

Left Out: 602.406+/-3.562 χ^2/NDF:335.5/9

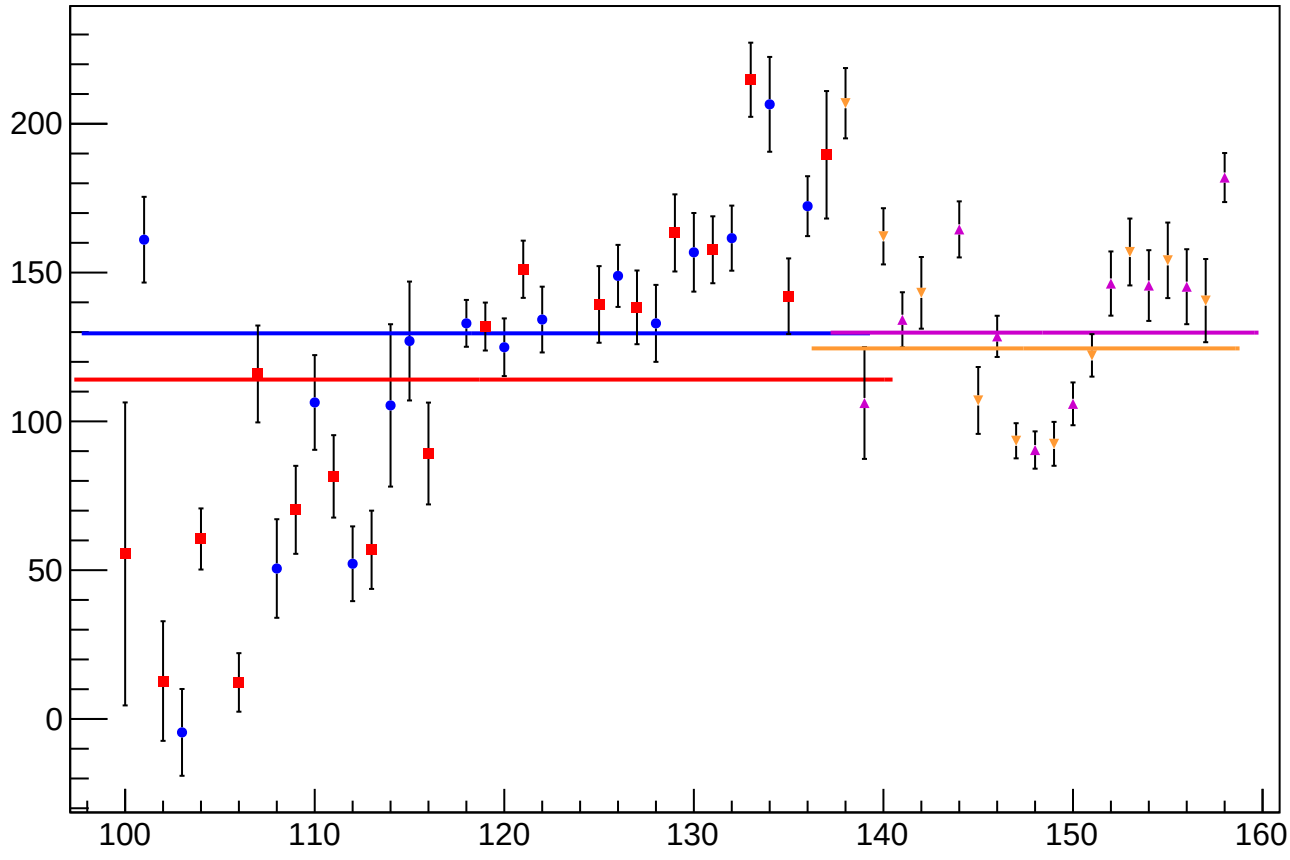
Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 617.923+/-3.421 χ^2/NDF:119.7/9

+ sign 598.231+/-2.263 χ^2/NDF: 3397.5/25

All: 581.467+/-1.555 χ^2/NDF: 10496.5/53

- sign 566.451+/-2.141 χ^2/NDF: 6994.9/27



Right In: 129.586+/-3.081 χ^2/NDF: 211.2/15

Left Out: 124.520+/-2.897 χ^2/NDF:131.1/9

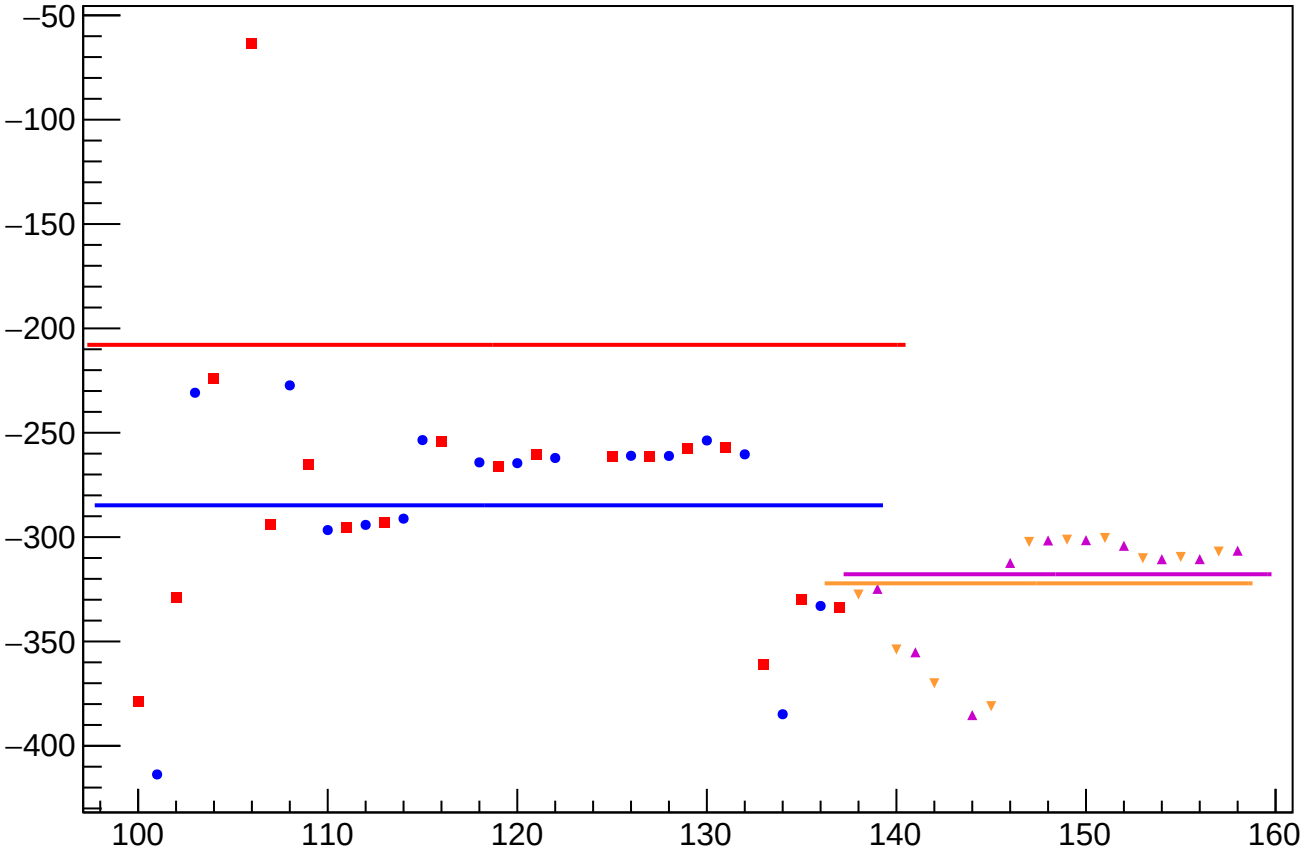
Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 129.820+/-2.794 χ^2/NDF:111.7/9

+ sign 126.898+/-2.111 χ^2/NDF: 343.7/25

All: 124.585+/-1.466 χ^2/NDF: 808.6/53

- sign 122.432+/-2.037 χ^2/NDF: 462.5/27



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -322.146+/-0.143 χ^2/NDF:37007.5/9

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

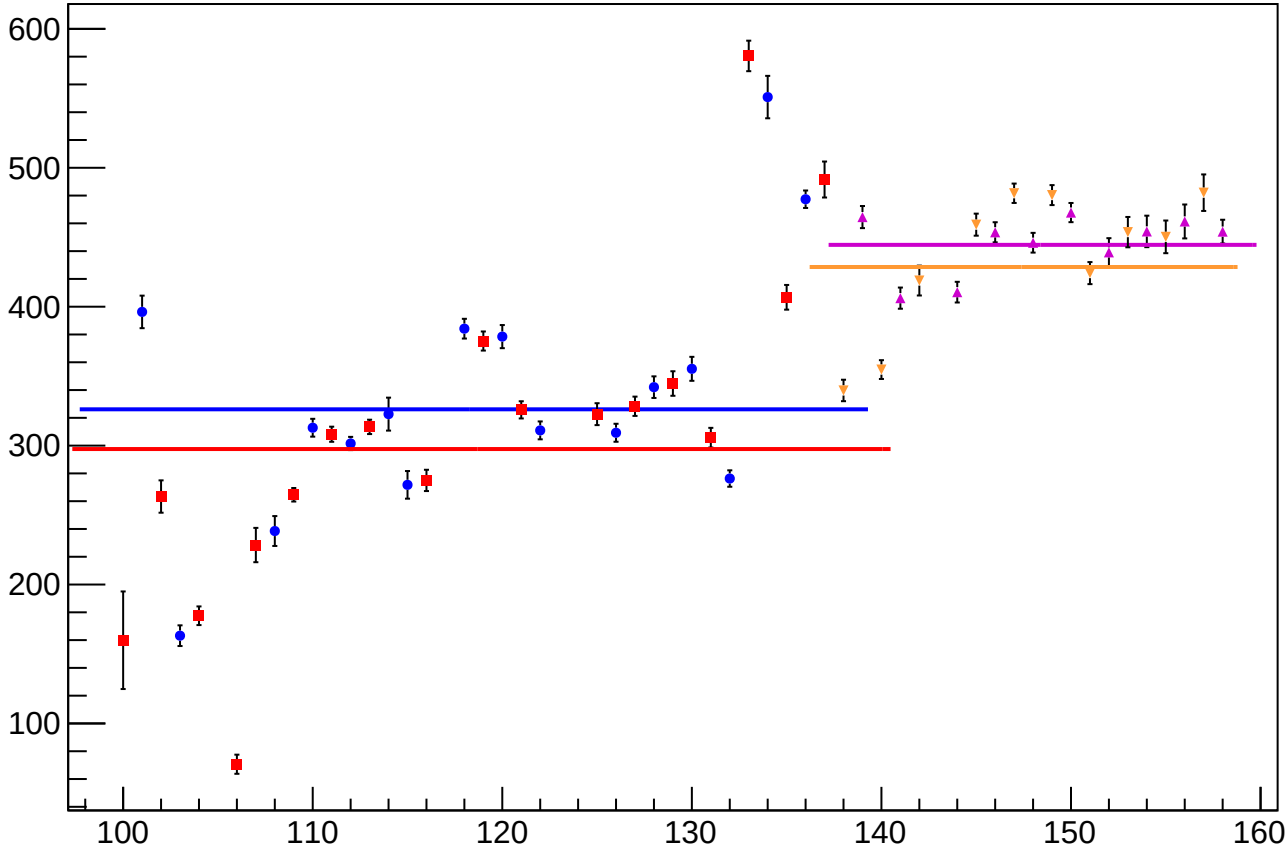
Left In: -317.790+/-0.132 χ^2/NDF:31847.8/9

+ sign -307.479+/-0.111 χ^2/NDF: 168311.2/25

All: -286.189+/-0.074 χ^2/NDF: 1107672.8/53

- sign -269.403+/-0.099 χ^2/NDF: 873825.6/27

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 326.133+/-1.857 χ^2/NDF: 1642.9/15

Left Out: 428.575+/-2.670 χ^2/NDF:402.3/9

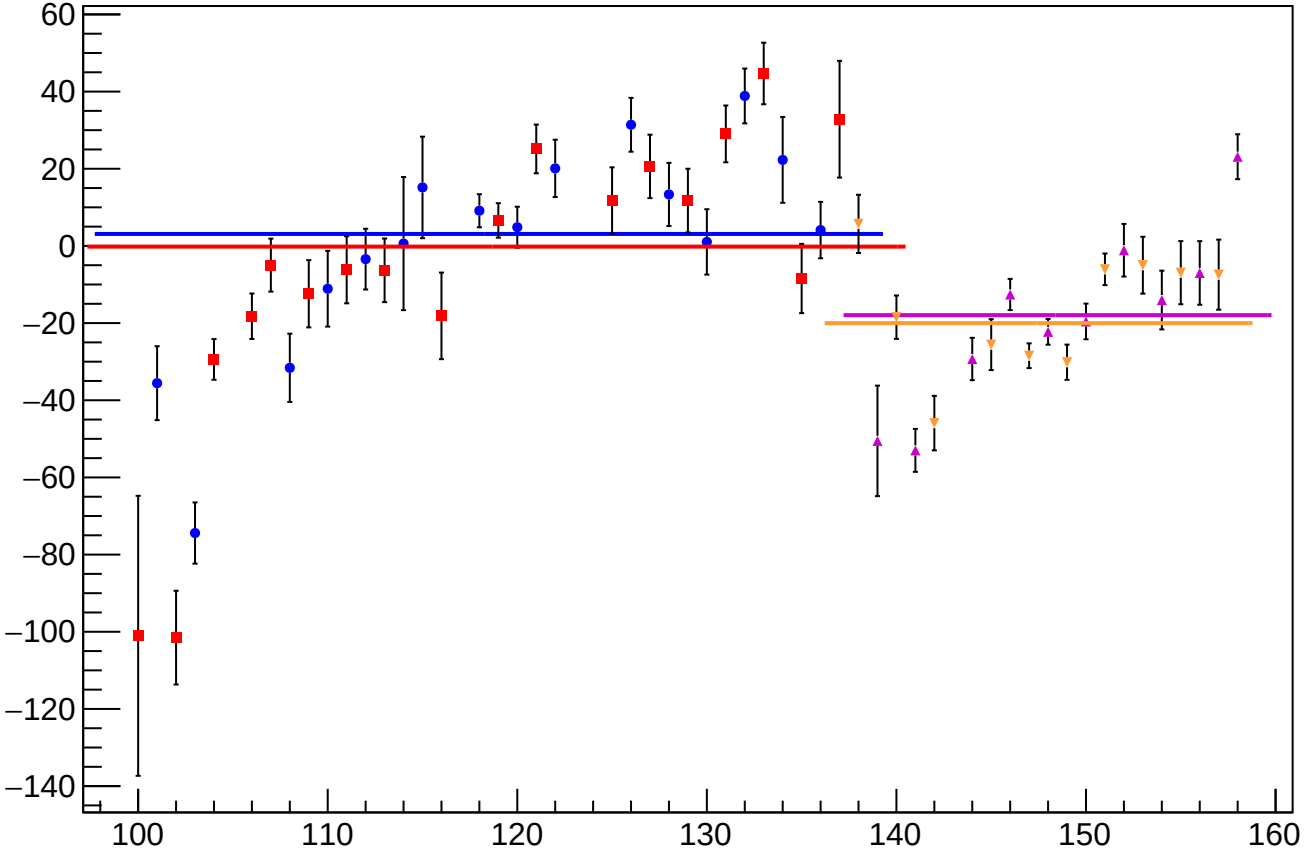
Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 444.517+/-2.592 χ^2/NDF:69.7/9

\+ sign 359.530+/-1.524 χ^2/NDF: 3037.6/25

All: 350.802+/-1.047 χ^2/NDF: 8165.3/53

\- sign 342.995+/-1.442 χ^2/NDF: 5065.6/27



Right In: 3.101+/-1.892 χ^2/NDF: 184.5/15

Left Out: -20.010+/-1.708 χ^2/NDF:58.0/9

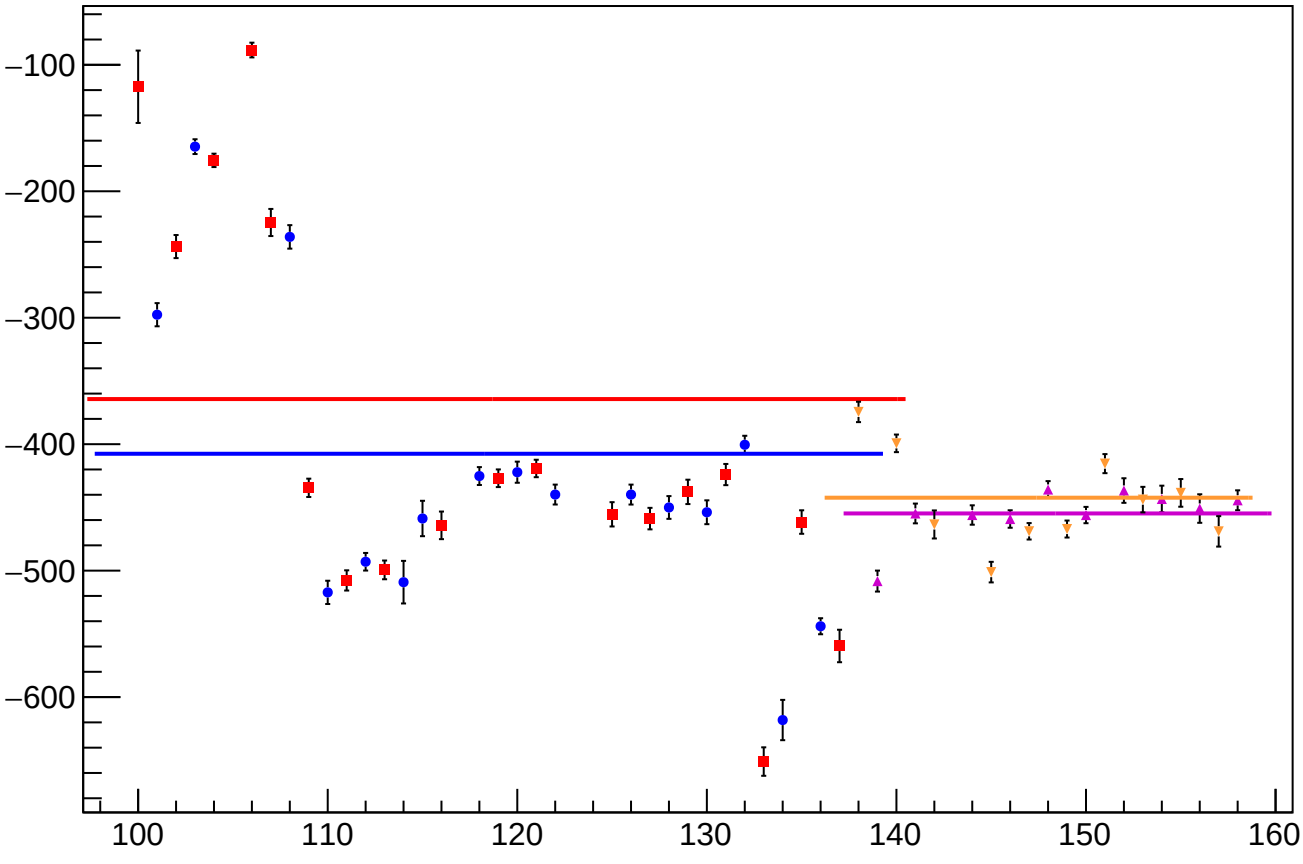
Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -17.939+/-1.688 χ^2/NDF:110.5/9

+ sign -9.633+/-1.268 χ^2/NDF: 324.7/25

All: -9.608+/-0.882 χ^2/NDF: 692.5/53

- sign -9.583+/-1.229 χ^2/NDF: 367.8/27



Right In: -407.575+/-2.074 χ^2/NDF: 3280.5/15

Left Out: -442.321+/-2.602 χ^2/NDF:213.0/9

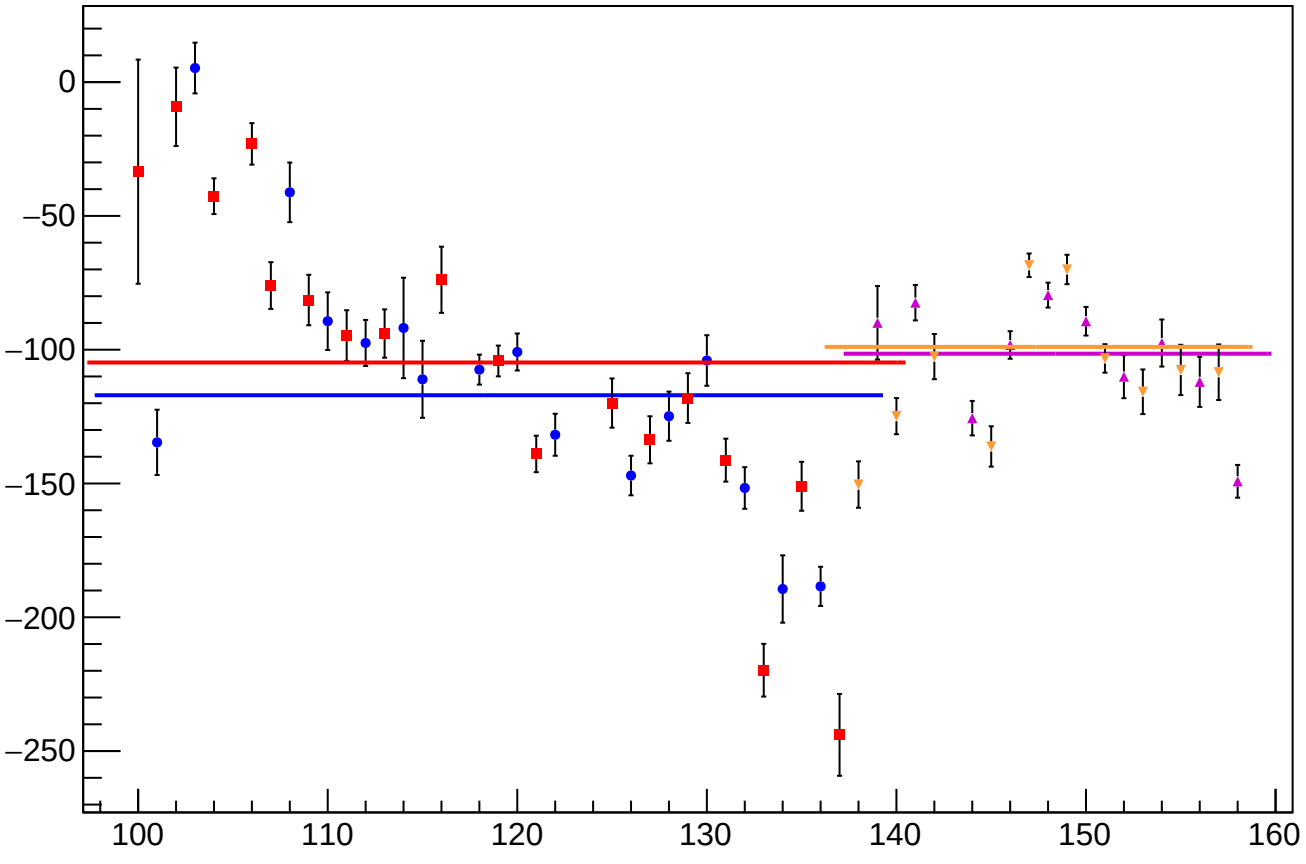
Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -454.771+/-2.507 χ^2/NDF:56.7/9

+ sign -421.074+/-1.622 χ^2/NDF: 3602.7/25

All: -409.041+/-1.115 χ^2/NDF: 10797.6/53

- sign -398.254+/-1.535 χ^2/NDF: 7090.5/27



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -98.948+/-2.122 χ^2/NDF:156.7/9

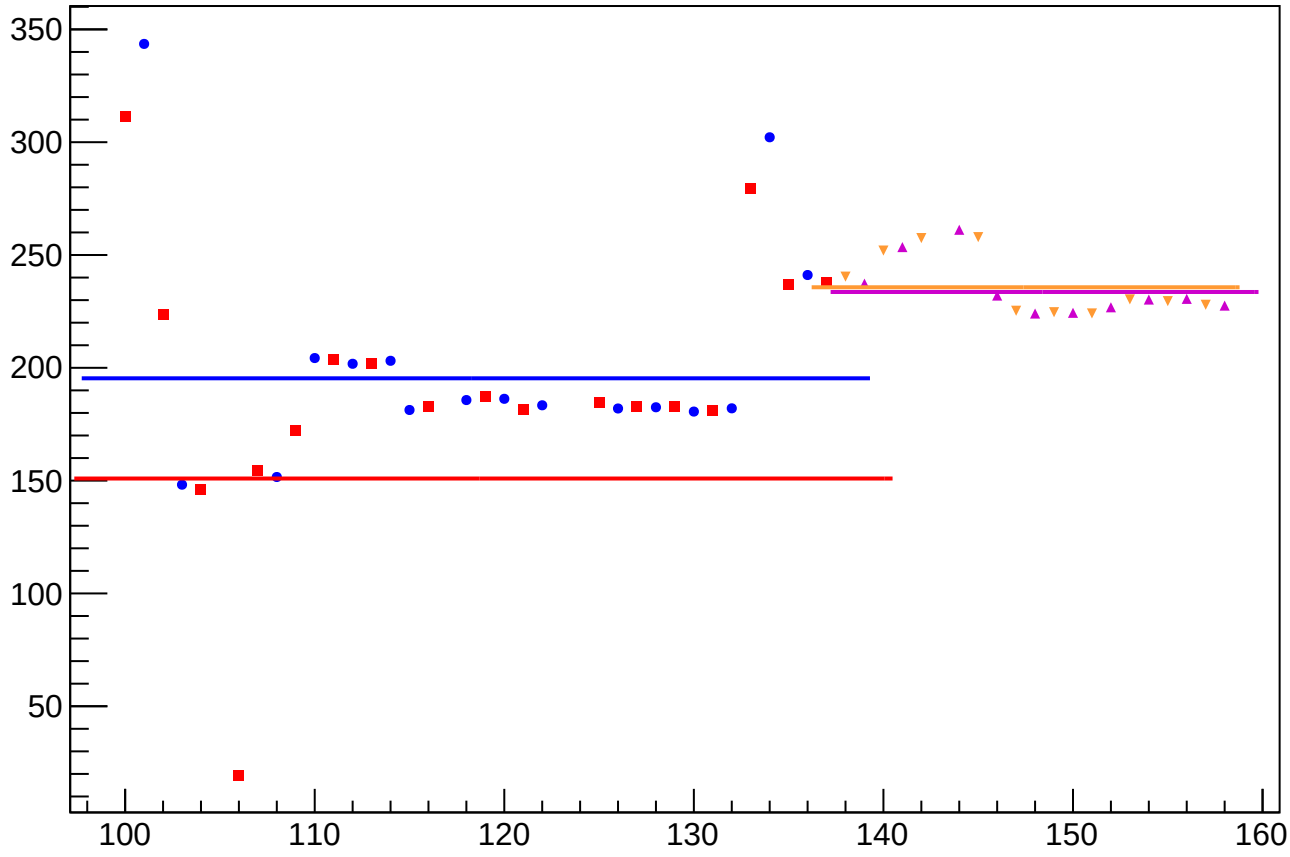
Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -101.497+/-2.052 χ^2/NDF:114.0/9

+ sign -107.684+/-1.526 χ^2/NDF: 599.6/25

All: -105.302+/-1.056 χ^2/NDF: 1294.6/53

- sign -103.108+/-1.464 χ^2/NDF: 690.3/27



Right In: 195.351+/-0.125 χ^2/NDF: 176975.5/15

Left Out: 235.700+/-0.104 χ^2/NDF:15210.9/9

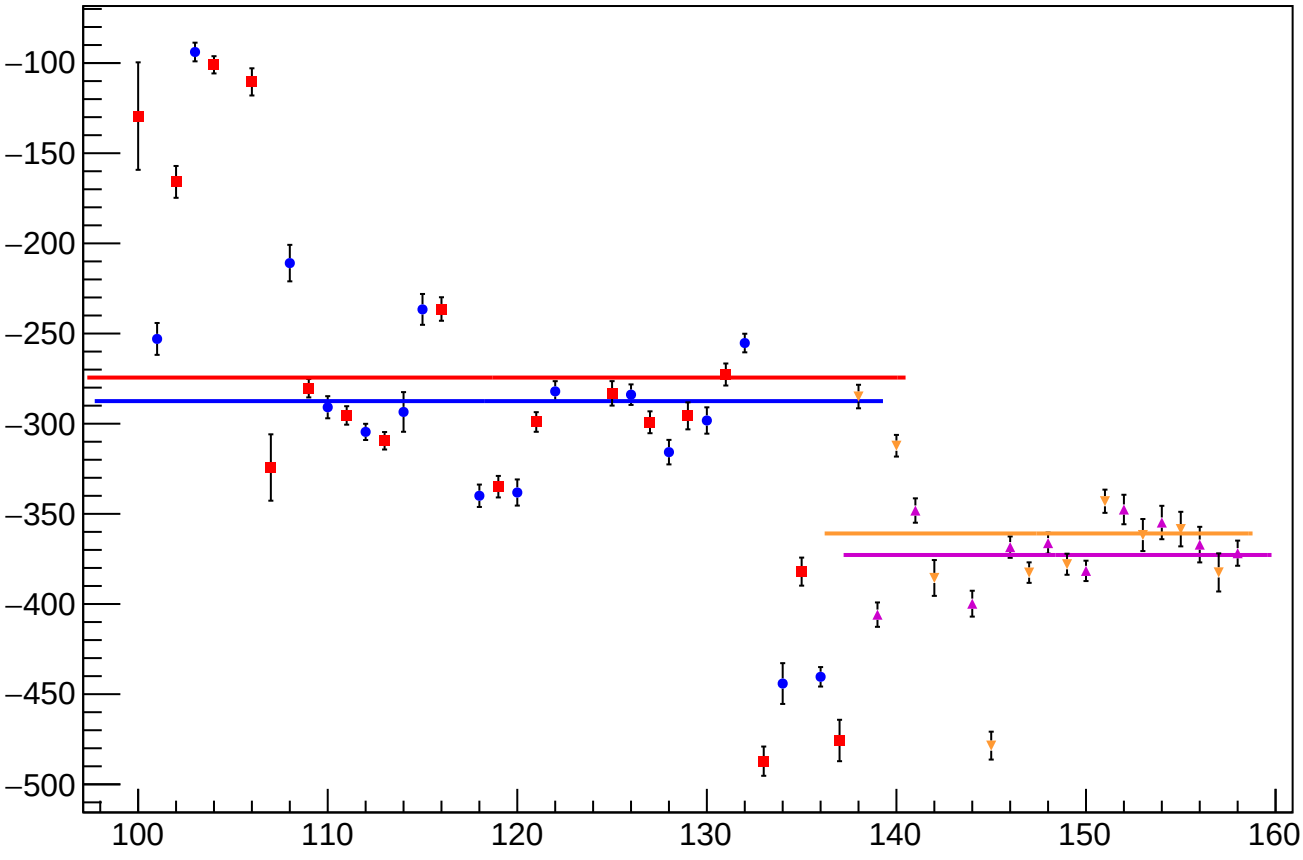
Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

Left In: 233.610+/-0.097 χ^2/NDF:14022.9/9

+ sign 219.078+/-0.080 χ^2/NDF: 253823.4/25

All: 207.288+/-0.054 χ^2/NDF: 1124192.7/53

- sign 197.527+/-0.073 χ^2/NDF: 830656.8/27



Right In: -287.476+/-1.611 χ^2/NDF: 2696.5/15

Left Out: -360.876+/-2.265 χ^2/NDF:473.6/9

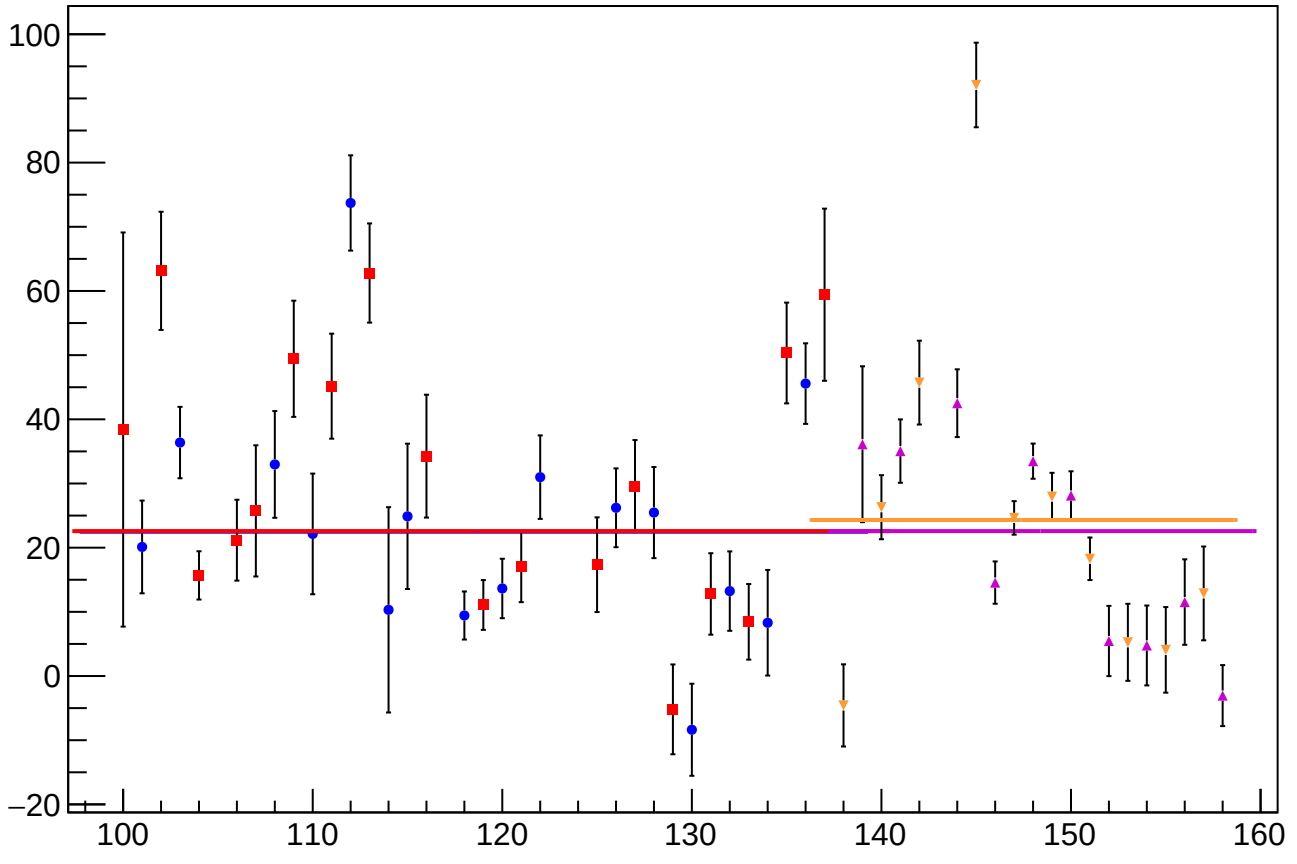
Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

Left In: -372.808+/-2.182 χ^2/NDF:69.3/9

\+ sign -312.133+/-1.313 χ^2/NDF: 3867.3/25

All: -309.702+/-0.911 χ^2/NDF: 8707.0/53

\- sign -307.449+/-1.264 χ^2/NDF: 4833.1/27



Right In: 22.492+/-1.621 χ^2/NDF: 111.4/15

Left Out: 24.312+/-1.428 χ^2/NDF:163.1/9

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

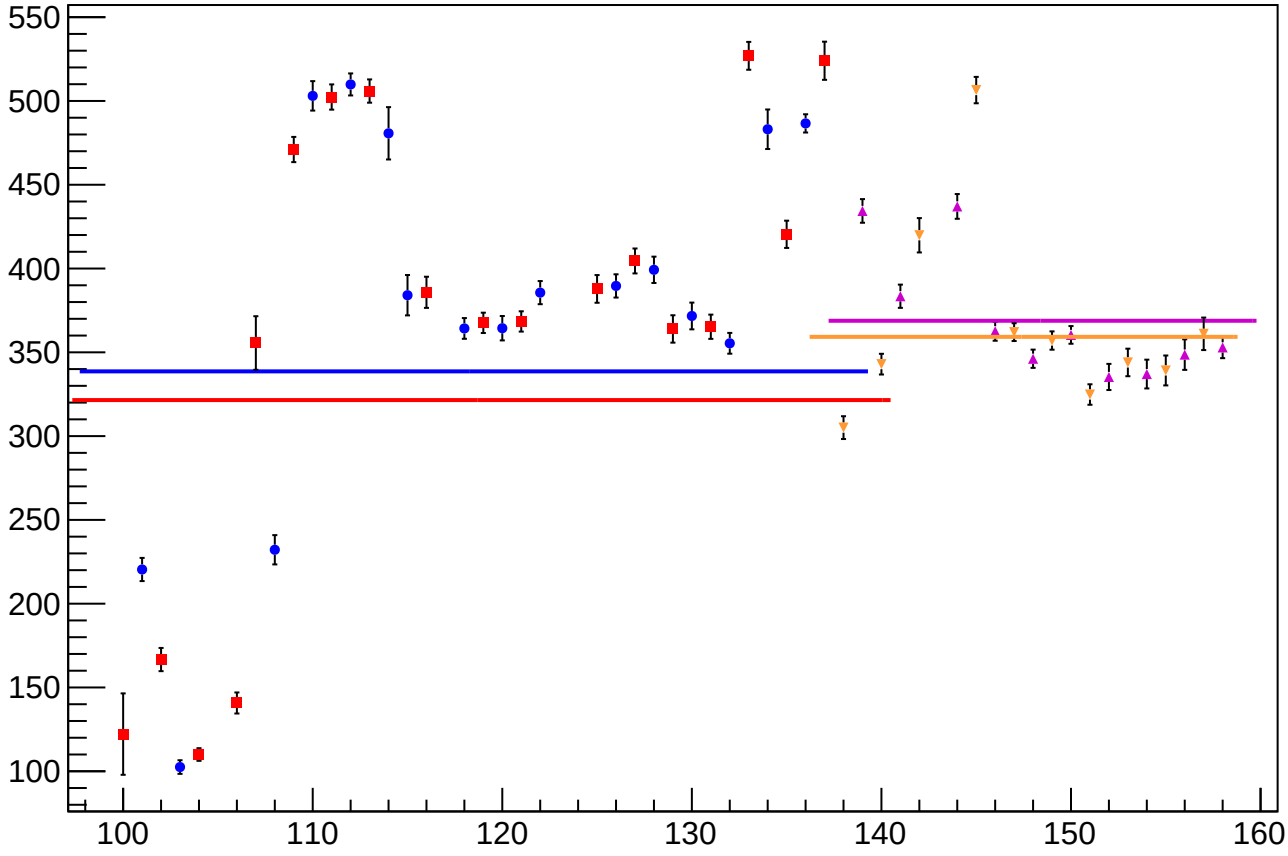
Left In: 22.584+/-1.407 χ^2/NDF:95.6/9

+ sign 23.517+/-1.072 χ^2/NDF: 275.2/25

All: 23.039+/-0.749 χ^2/NDF: 494.5/53

- sign 22.582+/-1.048 χ^2/NDF: 218.9/27

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 338.633+/-1.748 χ^2/NDF: 6042.6/15

Left Out: 359.233+/-2.196 χ^2/NDF:495.5/9

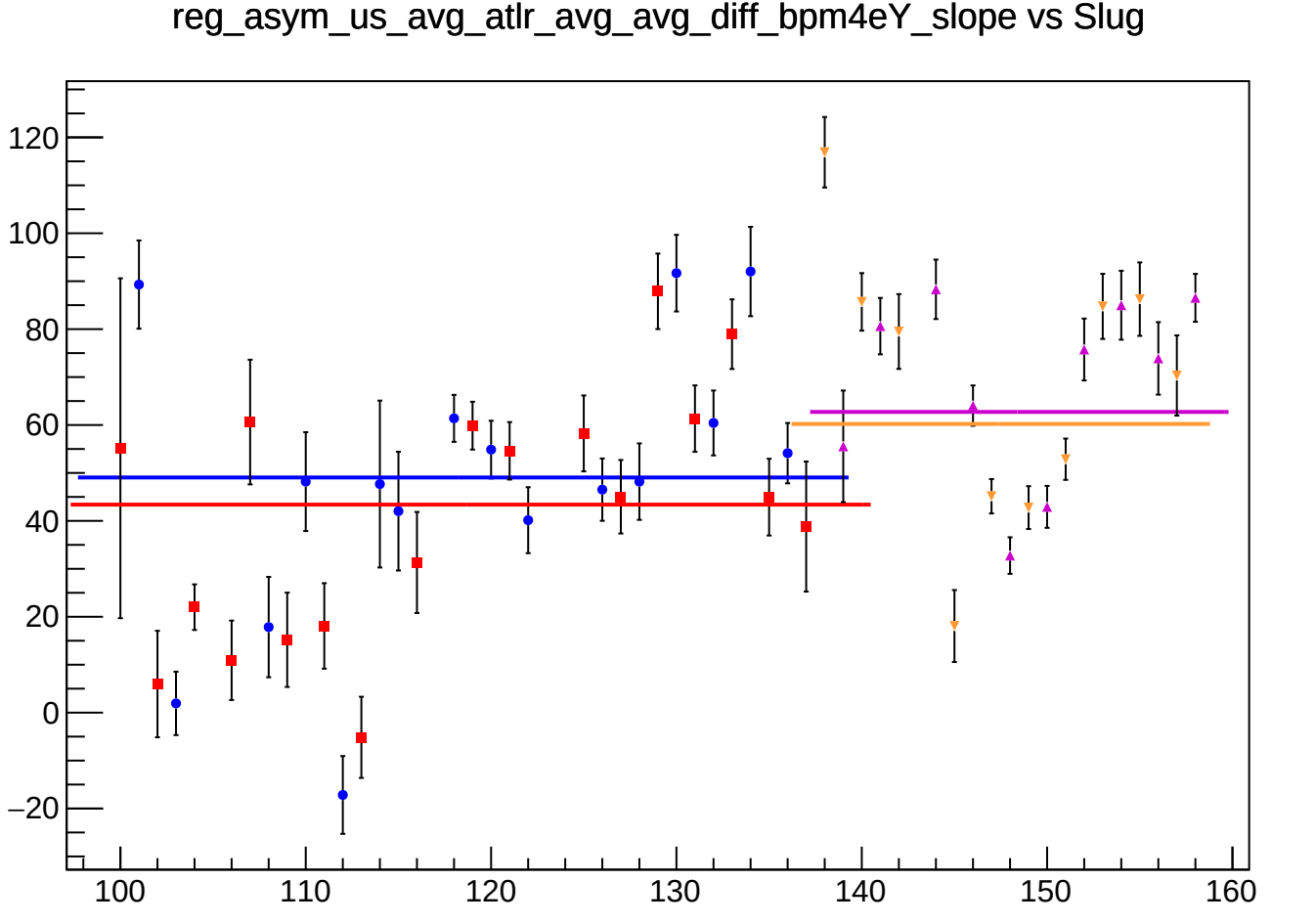
Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 368.833+/-2.102 χ^2/NDF:240.5/9

+ sign 346.622+/-1.368 χ^2/NDF: 6592.0/25

All: 343.262+/-0.950 χ^2/NDF: 14872.3/53

- sign 340.138+/-1.319 χ^2/NDF: 8268.6/27



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 60.223+/-1.781 χ^2/NDF:177.0/9

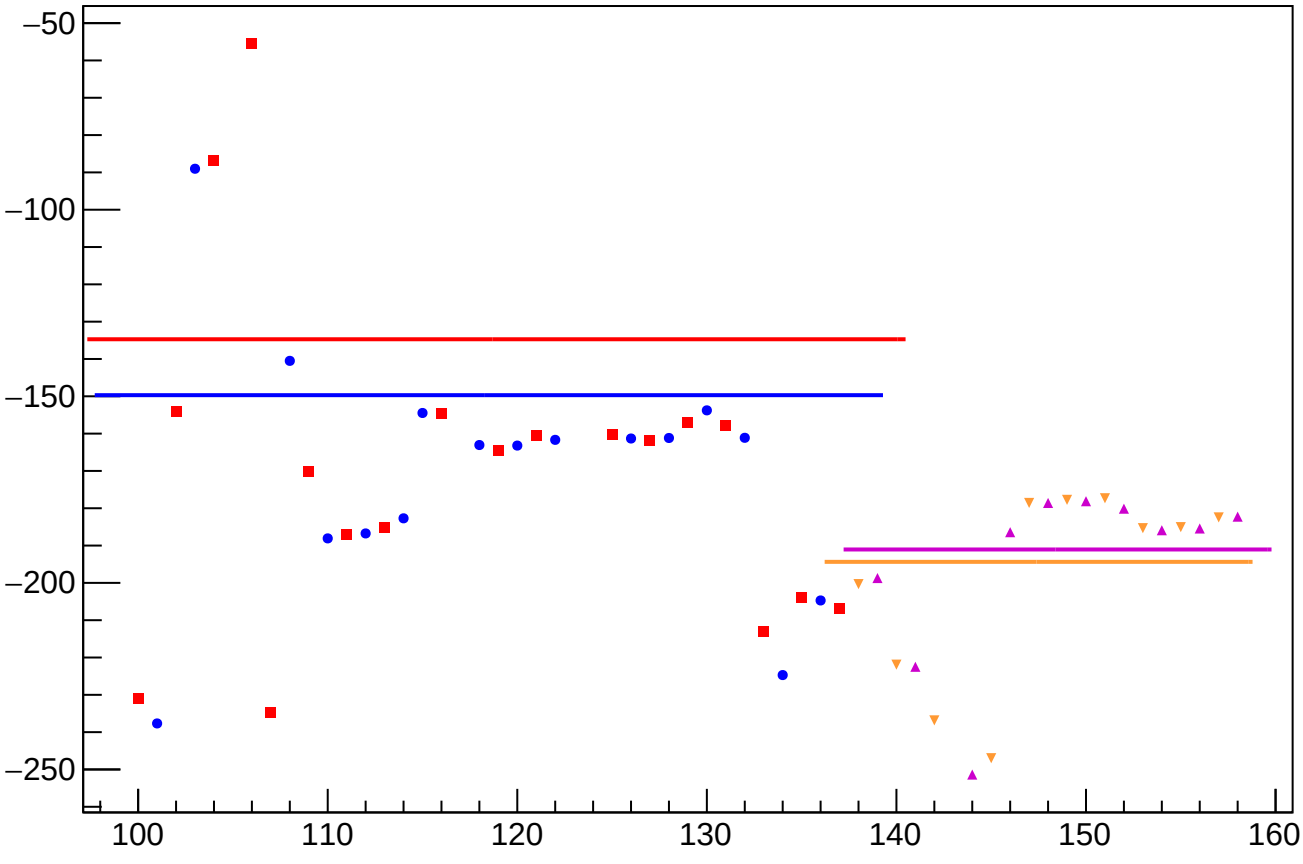
Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 62.731+/-1.713 χ^2/NDF:147.5/9

+ sign 54.947+/-1.294 χ^2/NDF: 403.5/25

All: 54.313+/-0.900 χ^2/NDF: 790.9/53

- sign 53.720+/-1.252 χ^2/NDF: 386.9/27



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -194.362+/-0.088 χ^2/NDF:67117.3/9

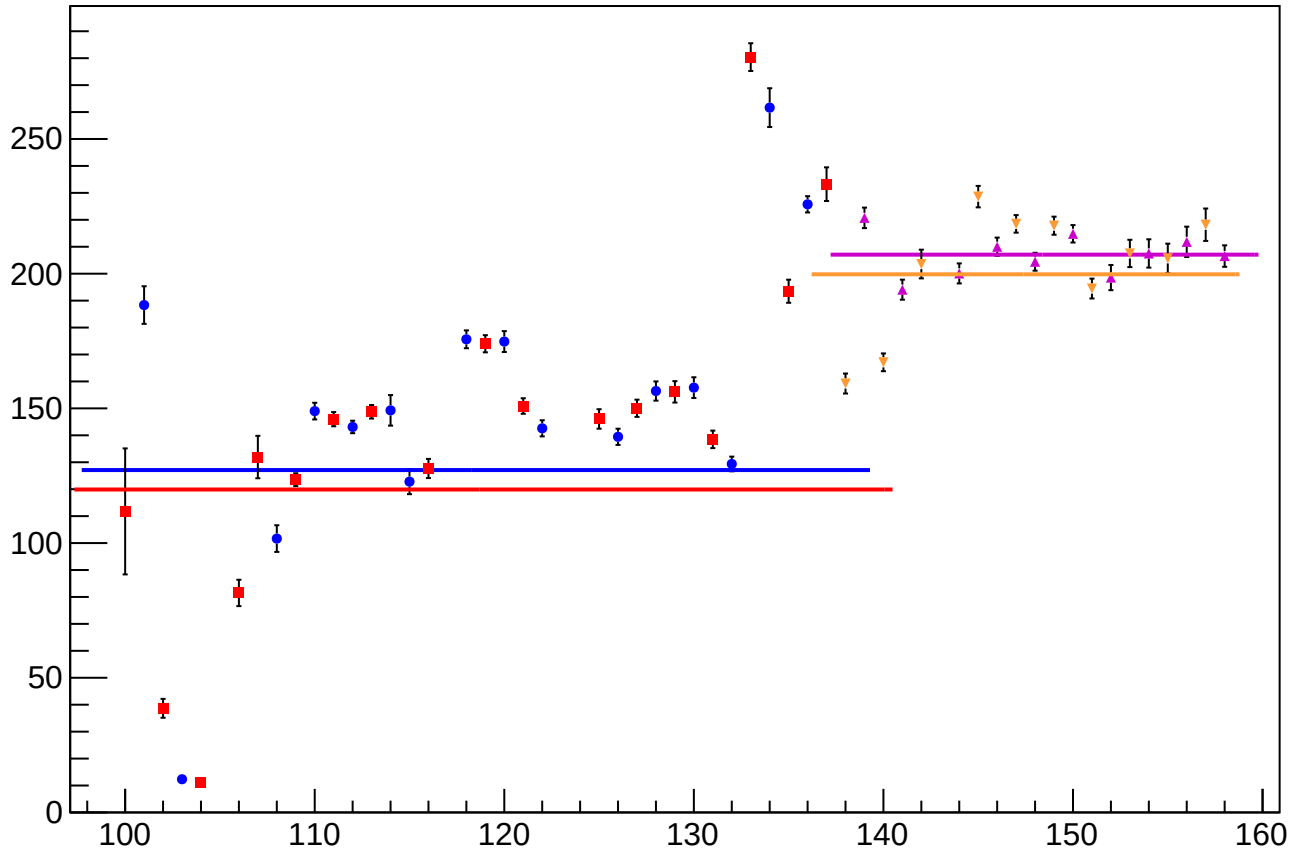
Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

Left In: -191.049+/-0.081 χ^2/NDF:57224.9/9

+ sign -175.104+/-0.066 χ^2/NDF: 435226.3/25

All: -171.295+/-0.045 χ^2/NDF: 1010272.2/53

- sign -167.942+/-0.062 χ^2/NDF: 568820.9/27



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 199.769+/-1.270 χ^2/NDF:347.3/9

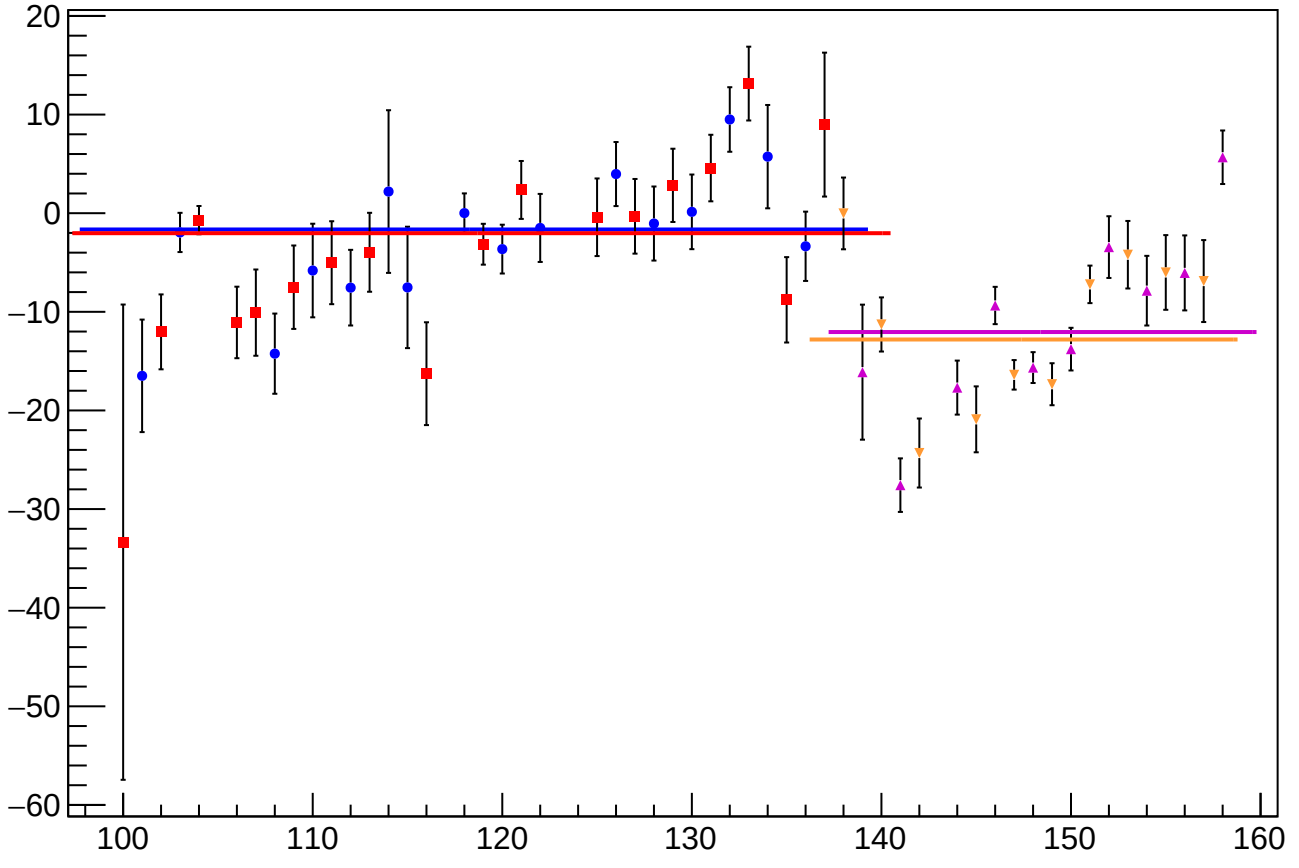
Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 207.066+/-1.228 χ^2/NDF:39.8/9

+ sign 148.138+/-0.683 χ^2/NDF: 8836.0/25

All: 146.343+/-0.473 χ^2/NDF: 19146.9/53

- sign 144.695+/-0.655 χ^2/NDF: 10297.7/27



Right In: -1.651+/-0.833 χ^2/NDF: 39.1/15

Left Out: -12.807+/-0.807 χ^2/NDF:59.8/9

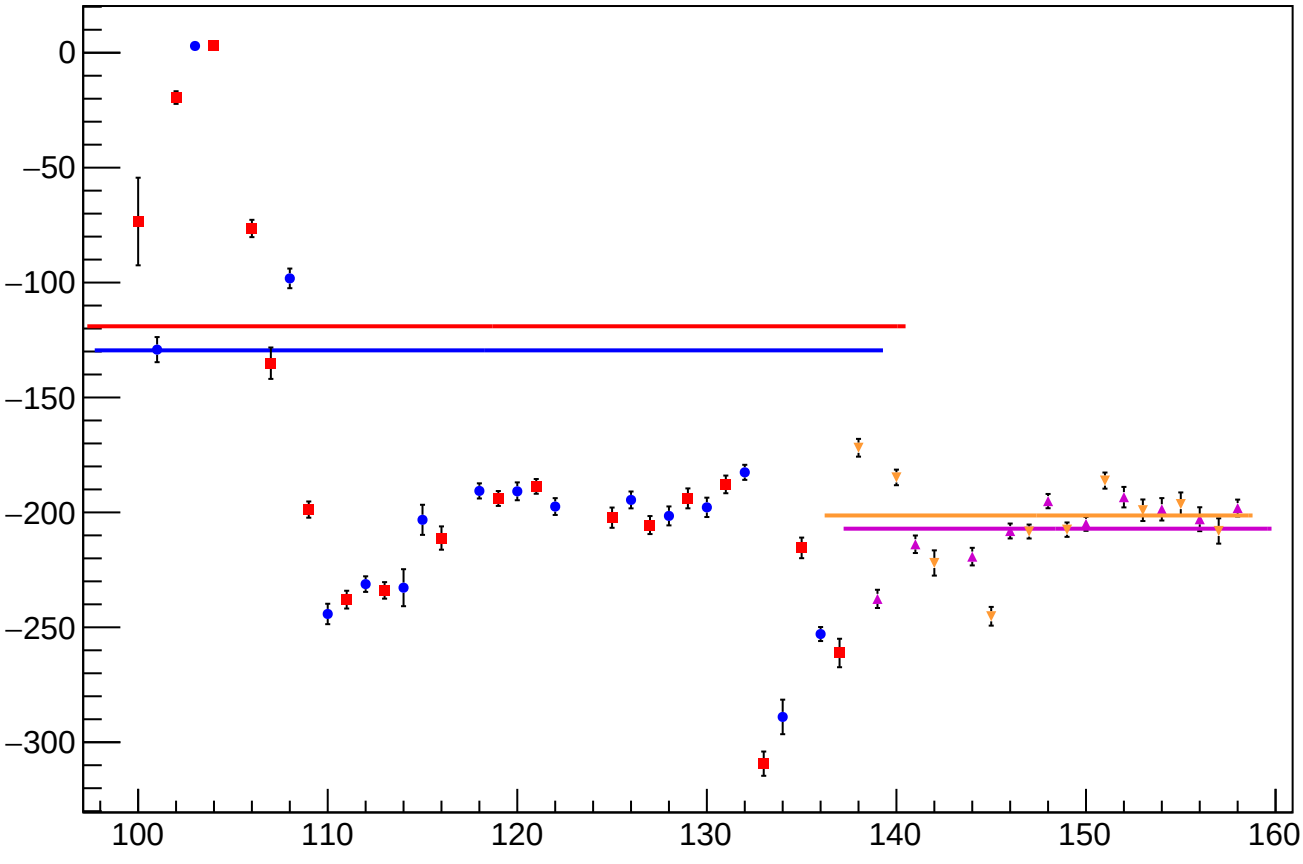
Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -12.049+/-0.796 χ^2/NDF:99.4/9

+ sign -7.404+/-0.579 χ^2/NDF: 191.4/25

All: -7.127+/-0.400 χ^2/NDF: 431.7/53

- sign -6.875+/-0.553 χ^2/NDF: 239.8/27



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -201.334+/-1.235 χ^2/NDF:242.5/9

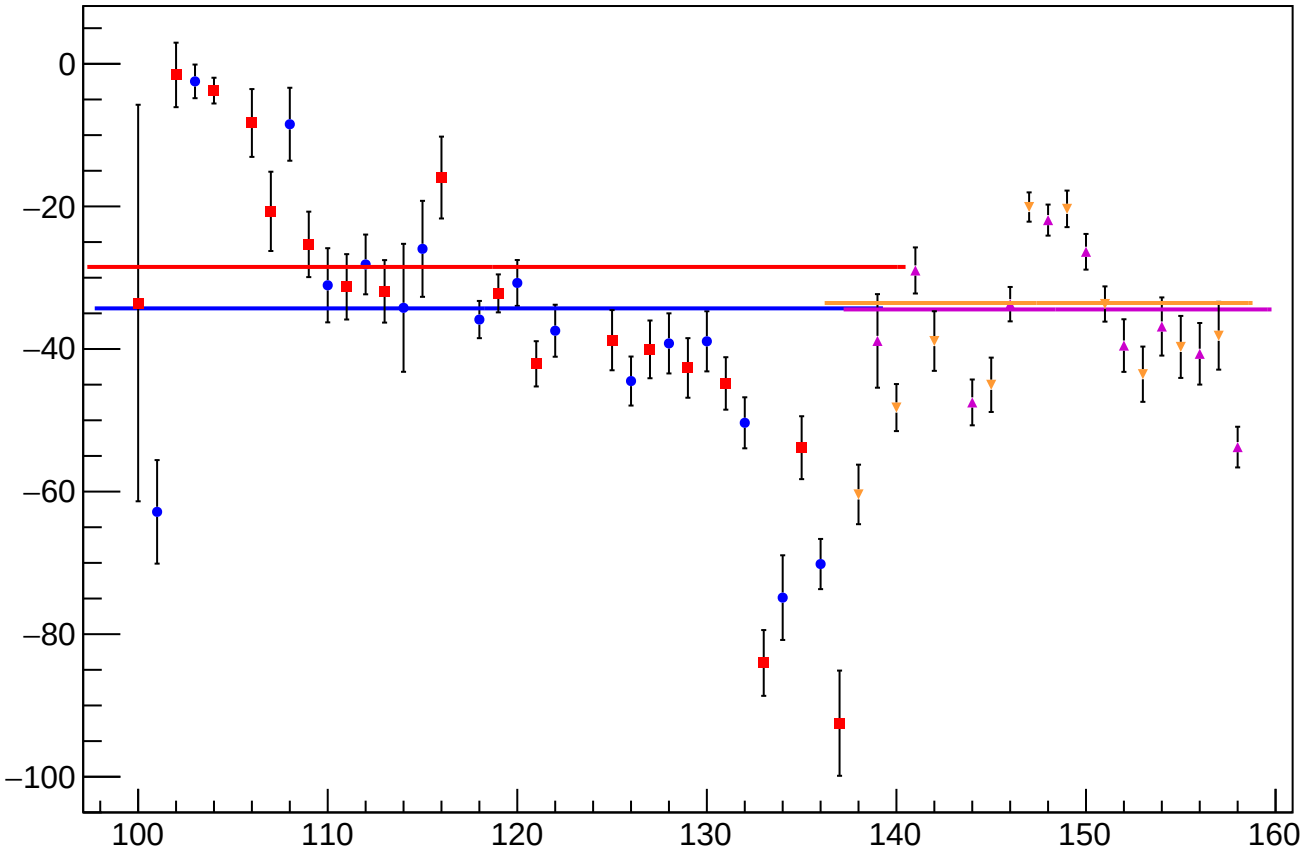
Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -207.087+/-1.185 χ^2/NDF:107.1/9

+ sign -152.467+/-0.698 χ^2/NDF: 17233.7/25

All: -149.728+/-0.483 χ^2/NDF: 37304.4/53

- sign -147.204+/-0.670 χ^2/NDF: 20041.1/27



Right In: -34.301+/-0.968 χ^2/NDF: 411.3/15

Left Out: -33.546+/-1.004 χ^2/NDF:150.9/9

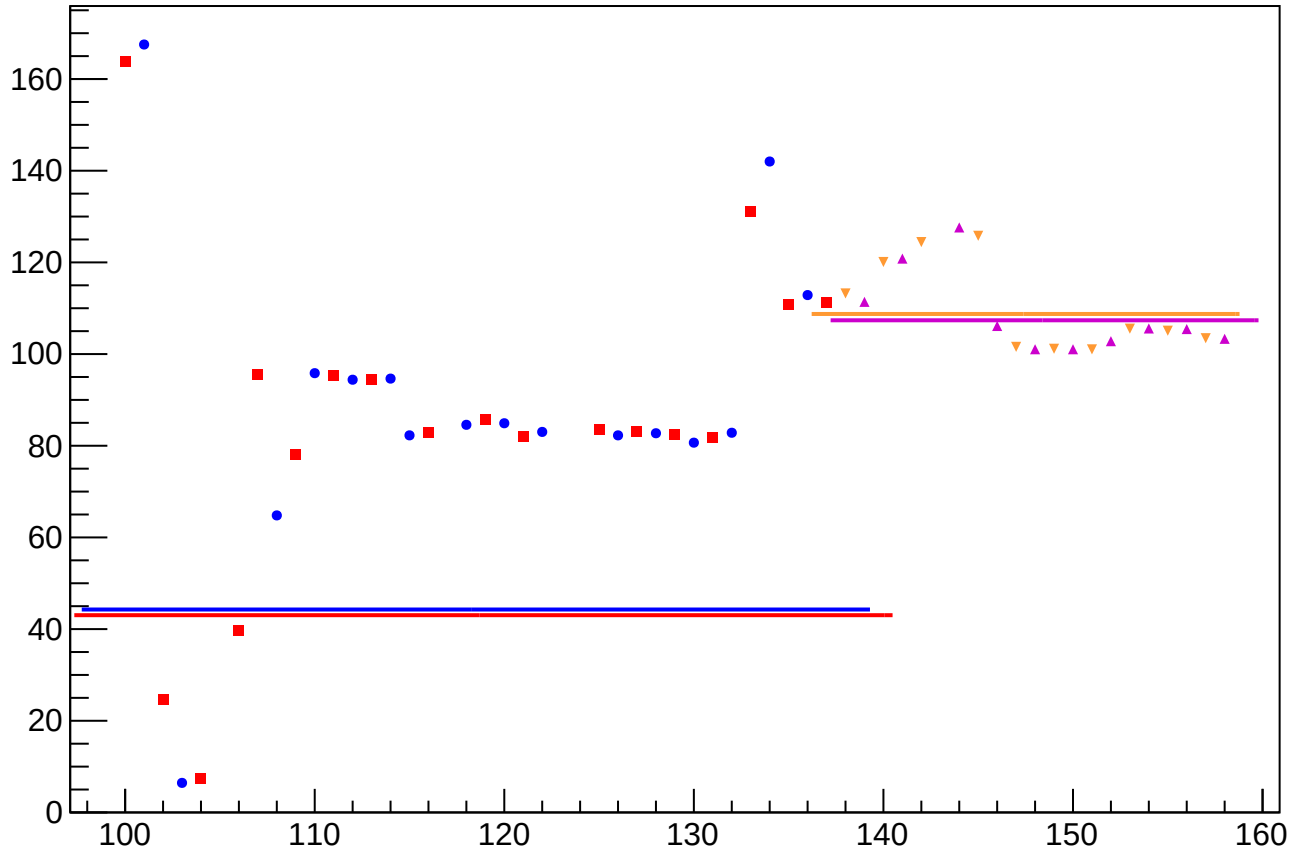
Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: -34.450+/-0.968 χ^2/NDF:113.5/9

\+ sign -33.937+/-0.697 χ^2/NDF: 562.5/25

All: -32.538+/-0.480 χ^2/NDF: 1271.9/53

\- sign -31.276+/-0.662 χ^2/NDF: 701.7/27



Right In: 44.274+/-0.045 χ^2/NDF: 1085082.2/15

Left Out: 108.748+/-0.049 χ^2/NDF:33354.0/9

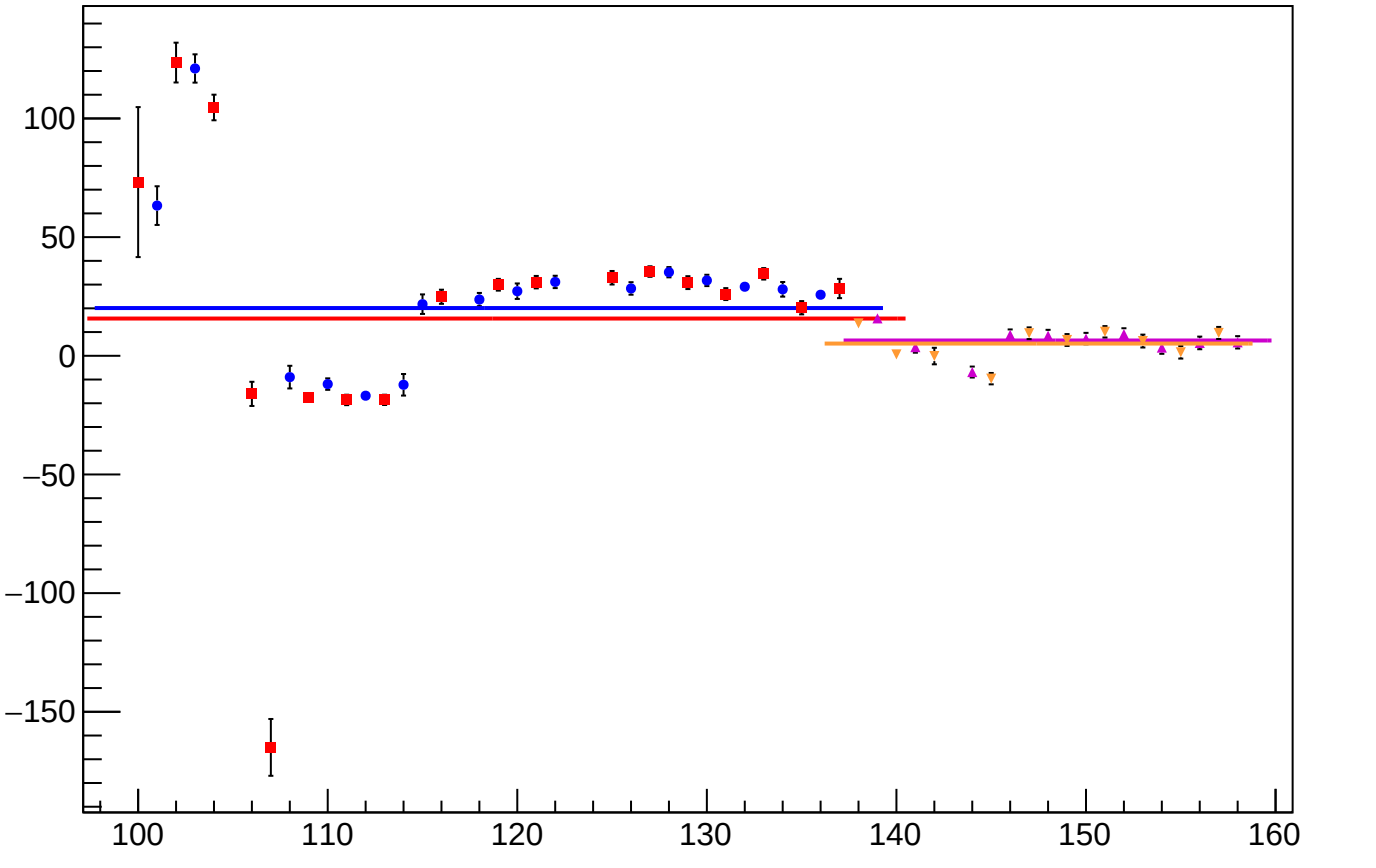
Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 107.368+/-0.046 χ^2/NDF:29516.6/9

+ sign 73.494+/-0.033 χ^2/NDF: 2051193.8/25

All: 74.136+/-0.023 χ^2/NDF: 3892029.1/53

- sign 74.735+/-0.032 χ^2/NDF: 1840113.7/27



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 5.153+/-0.779 χ^2/NDF:74.7/9

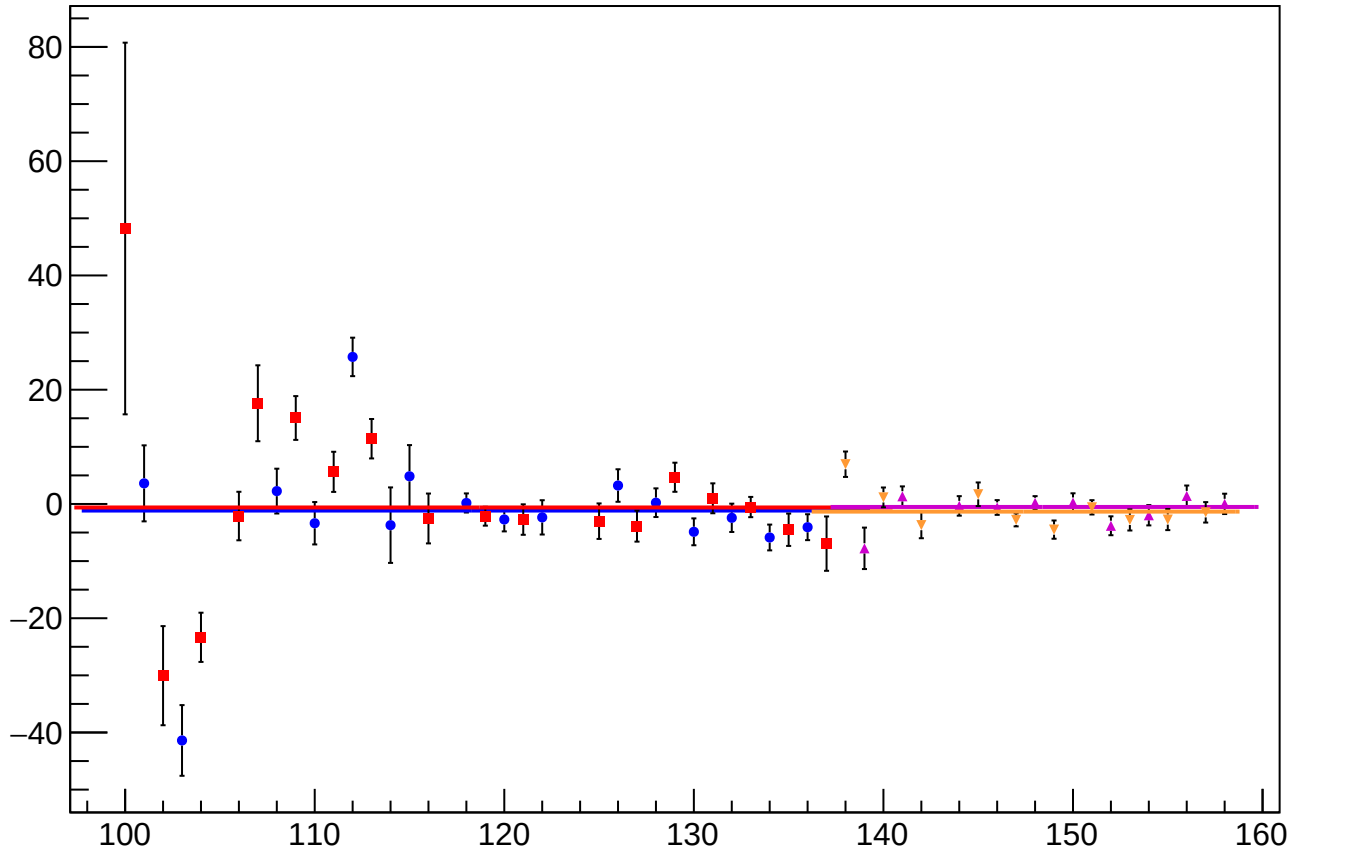
Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 6.448+/-0.757 χ^2/NDF:60.8/9

+ sign 13.566+/-0.515 χ^2/NDF: 1330.5/25

All: 12.543+/-0.361 χ^2/NDF: 3255.3/53

- sign 11.553+/-0.507 χ^2/NDF: 1917.1/27



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: -1.337+/-0.523 χ^2/NDF:26.2/9

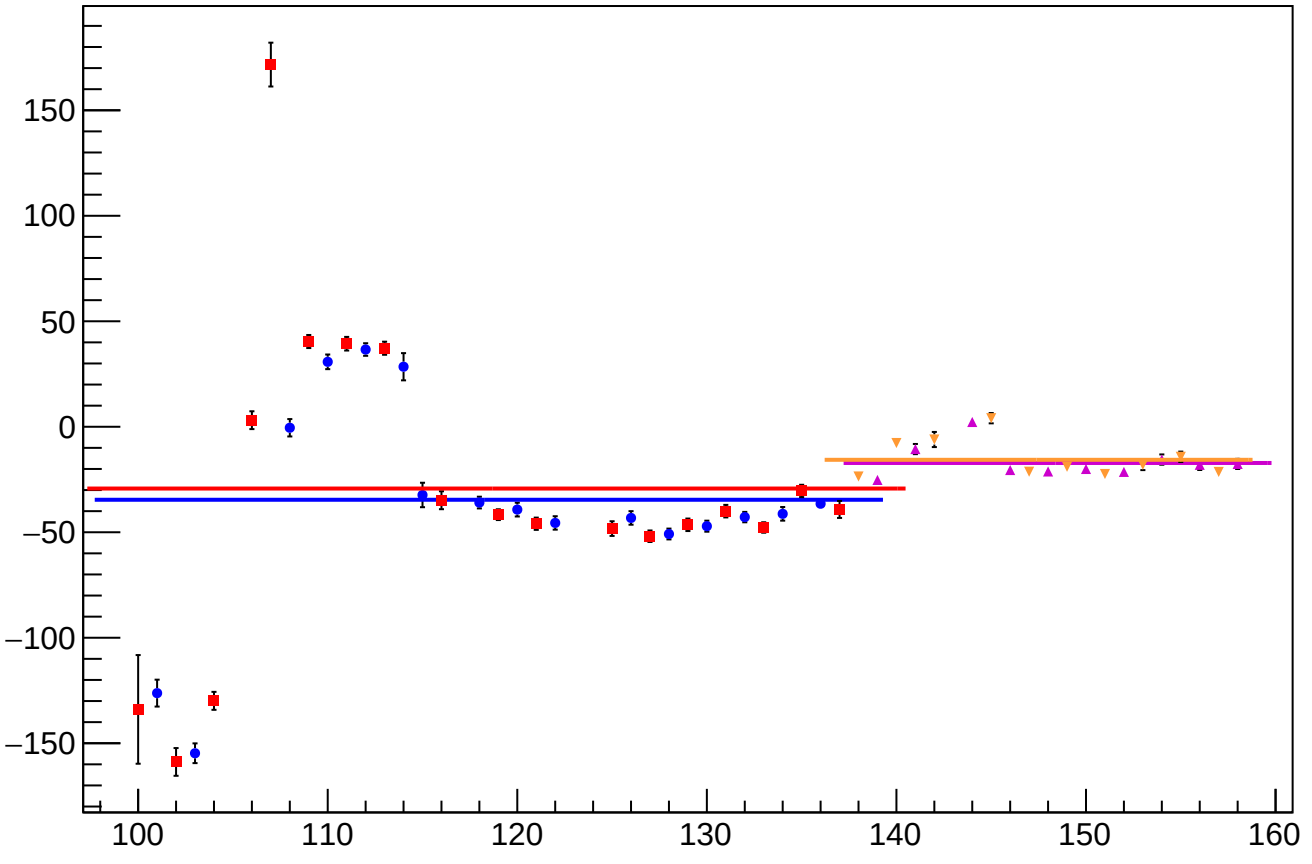
Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

Left In: -0.523+/-0.515 χ^2/NDF:11.6/9

+ sign -1.270+/-0.419 χ^2/NDF: 148.1/25

All: -0.911+/-0.296 χ^2/NDF: 254.6/53

- sign -0.554+/-0.418 χ^2/NDF: 105.0/27



Right In: -34.598+/-0.786 χ^2/NDF: 2058.4/15

Left Out: -15.661+/-0.757 χ^2/NDF:123.4/9

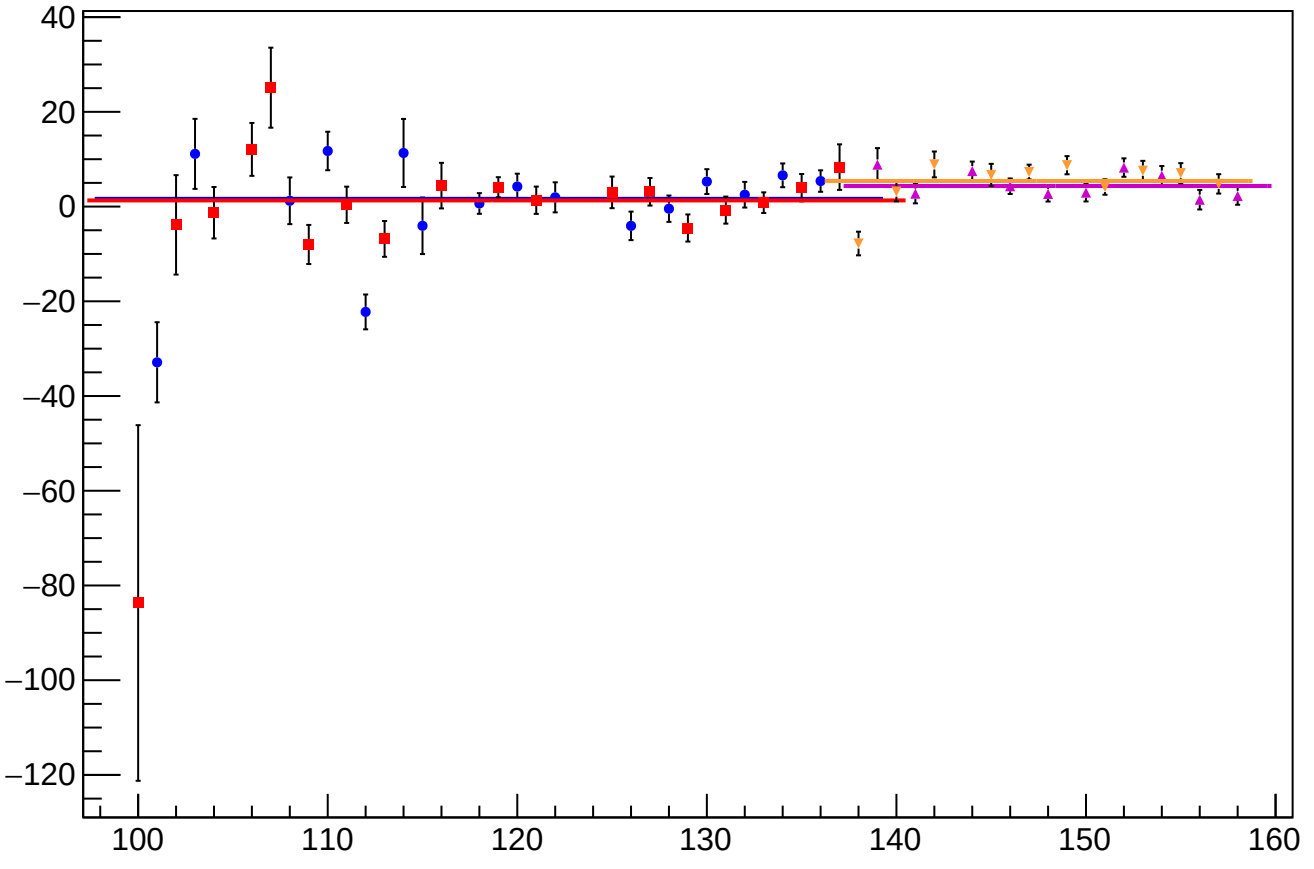
Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -17.163+/-0.733 χ^2/NDF:100.0/9

\+ sign -24.771+/-0.545 χ^2/NDF: 2482.9/25

All: -23.722+/-0.384 χ^2/NDF: 5796.0/53

\- sign -22.691+/-0.540 χ^2/NDF: 3305.8/27



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 5.399+/-0.637 χ^2/NDF:37.9/9

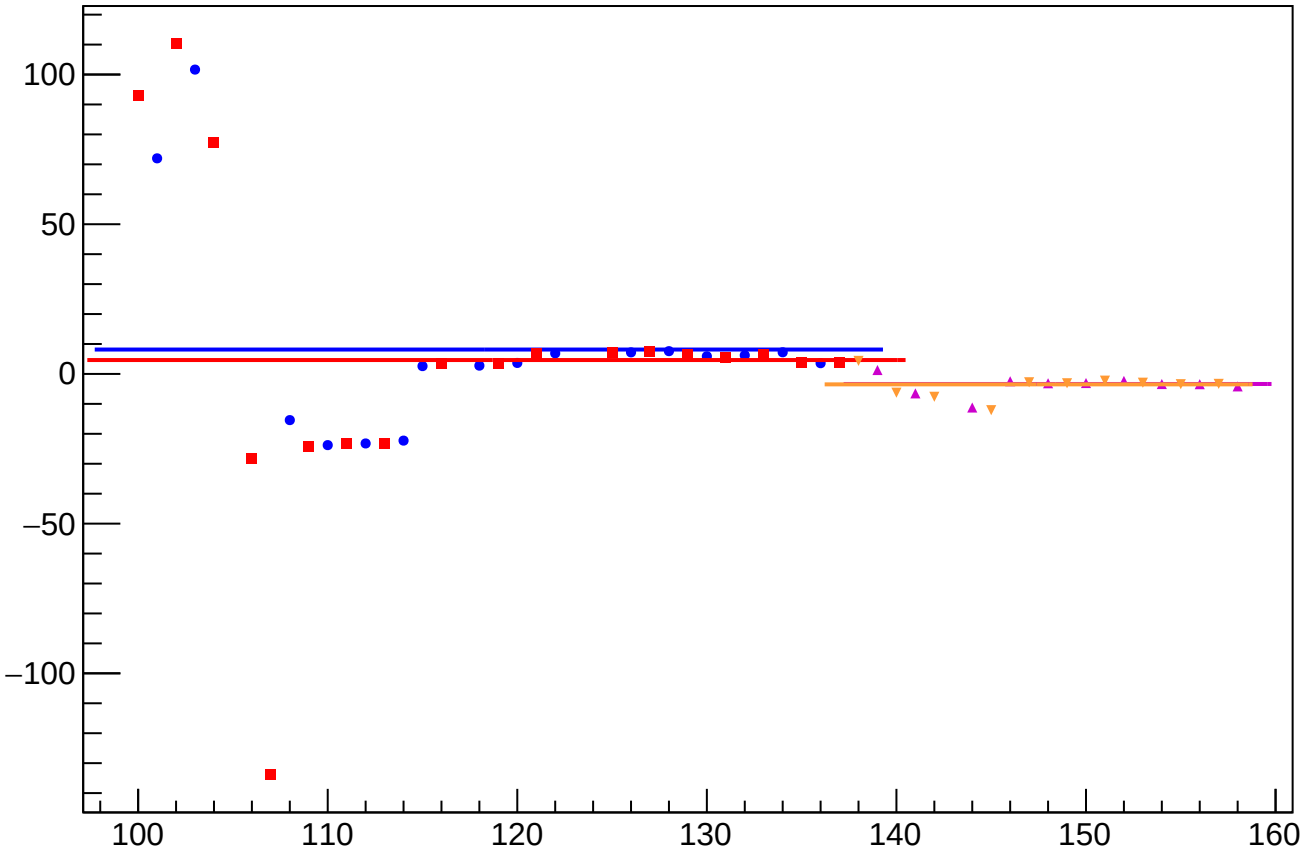
Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 4.345+/-0.617 χ^2/NDF:14.7/9

\+ sign 3.929+/-0.498 χ^2/NDF: 134.9/25

All: 3.580+/-0.350 χ^2/NDF: 197.0/53

\- sign 3.239+/-0.492 χ^2/NDF: 61.1/27



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

Left Out: -3.485+/-0.029 χ^2/NDF:18364.4/9

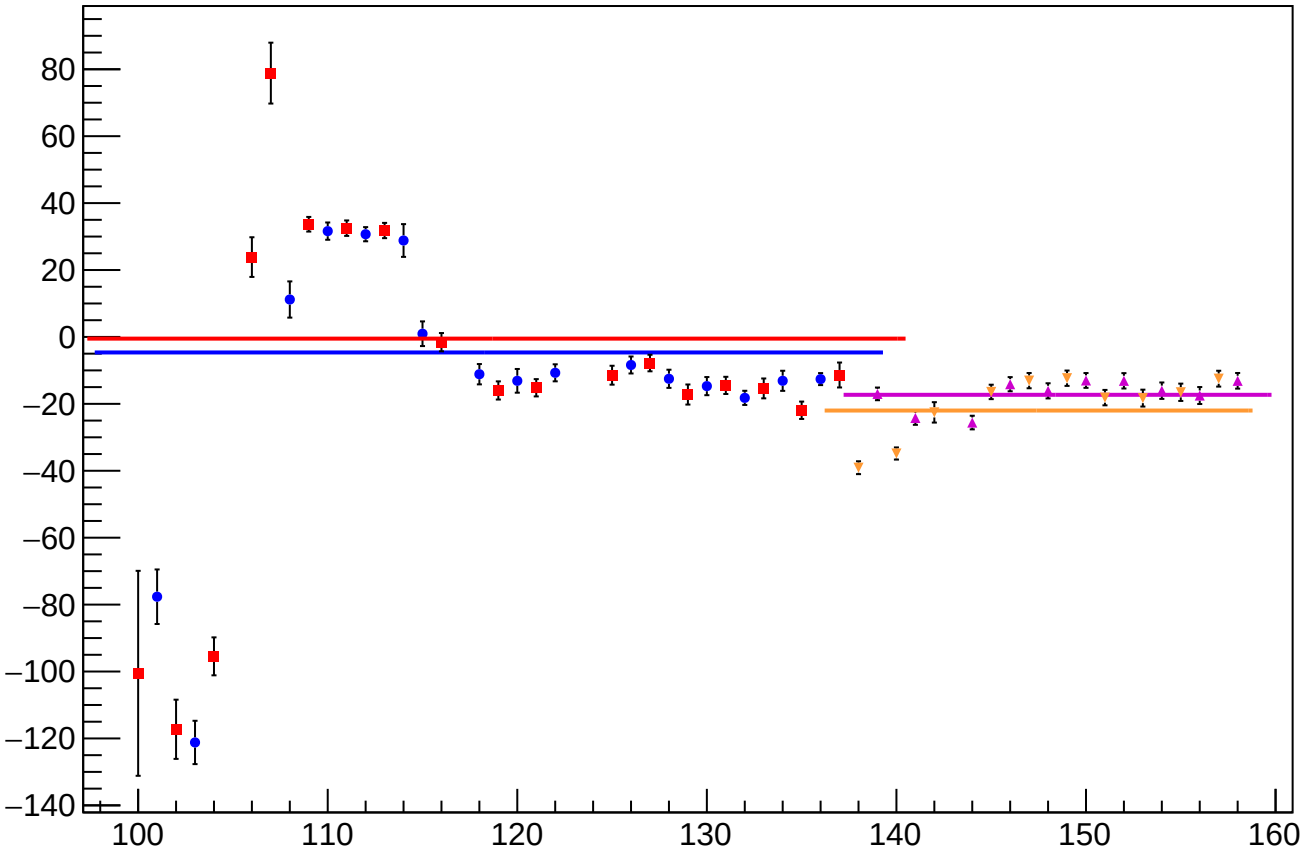
Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -3.358+/-0.028 χ^2/NDF:10755.3/9

\+ sign -0.402+/-0.025 χ^2/NDF: 374206.3/25

All: -1.008+/-0.017 χ^2/NDF: 851555.8/53

\- sign -1.587+/-0.024 χ^2/NDF: 476192.3/27



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -21.997+/-0.716 χ^2/NDF:194.2/9

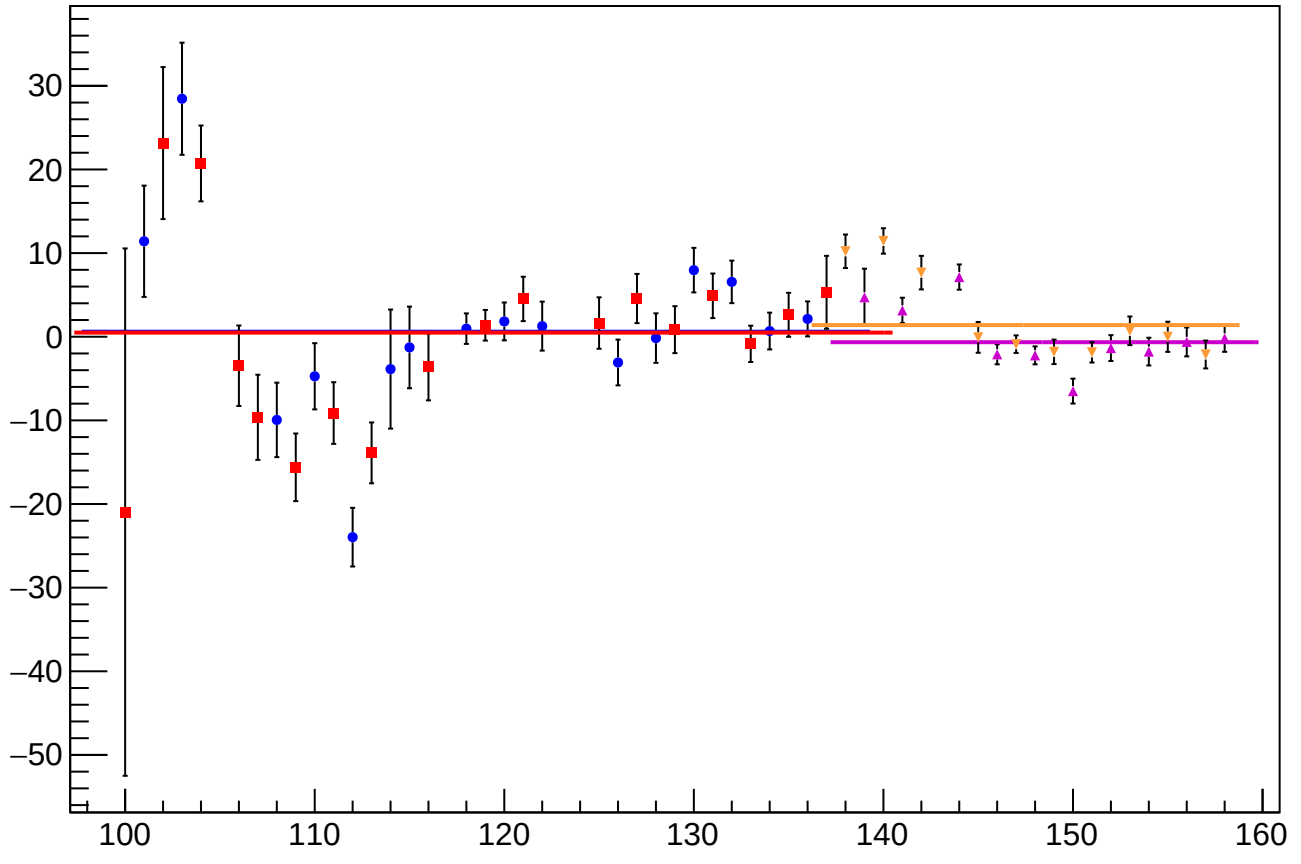
Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -17.298+/-0.695 χ^2/NDF:40.8/9

+ sign -13.266+/-0.505 χ^2/NDF: 1536.2/25

All: -11.145+/-0.354 χ^2/NDF: 3354.8/53

- sign -9.088+/-0.497 χ^2/NDF: 1783.9/27



Right In: 0.602+/-0.727 χ^2/NDF: 92.9/15

Left Out: 1.393+/-0.483 χ^2/NDF:95.6/9

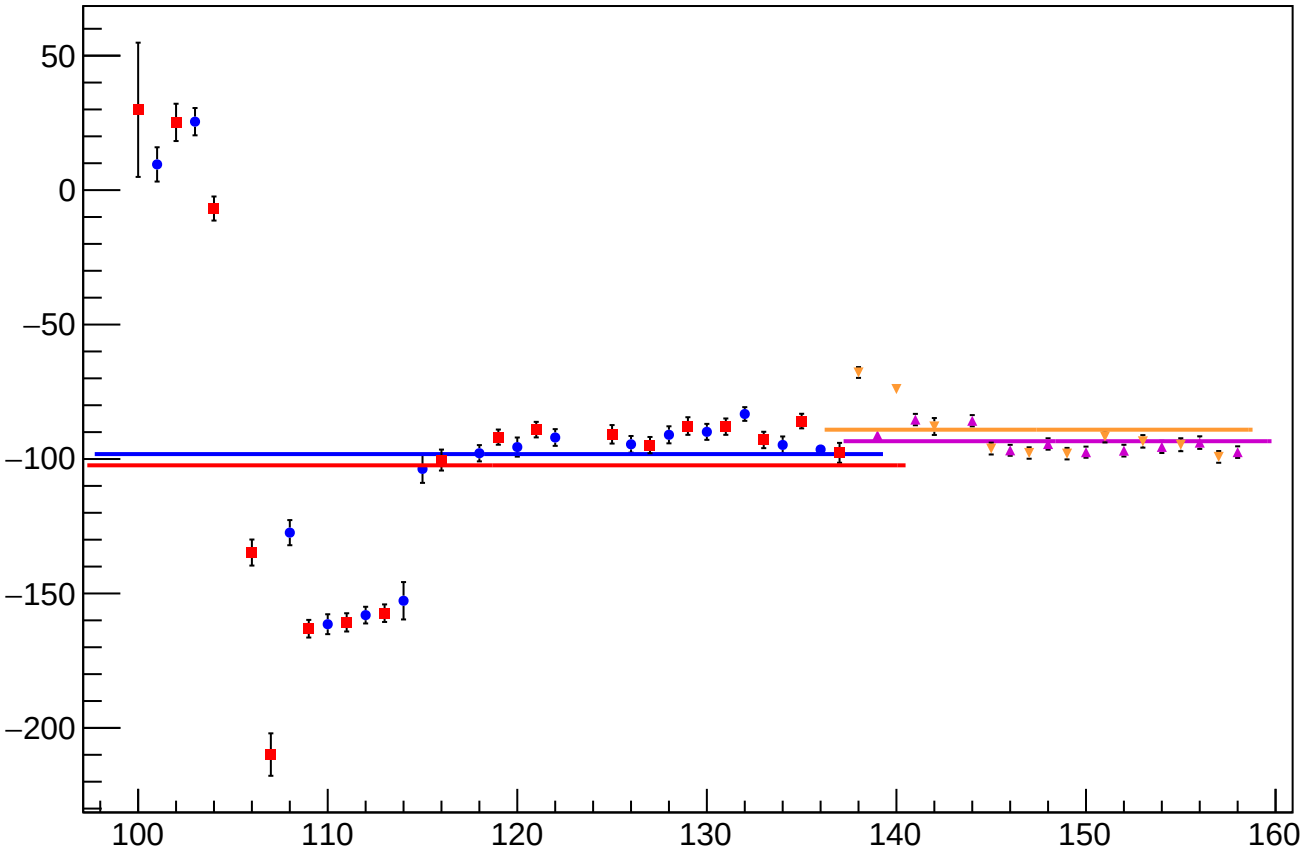
Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: -0.653+/-0.472 χ^2/NDF:55.2/9

+ sign 1.151+/-0.402 χ^2/NDF: 189.3/25

All: 0.406+/-0.284 χ^2/NDF: 333.1/53

- sign -0.330+/-0.400 χ^2/NDF: 137.0/27



Right In: -98.168+/-0.813 χ^2/NDF: 1699.9/15

Left Out: -89.096+/-0.698 χ^2/NDF:253.8/9

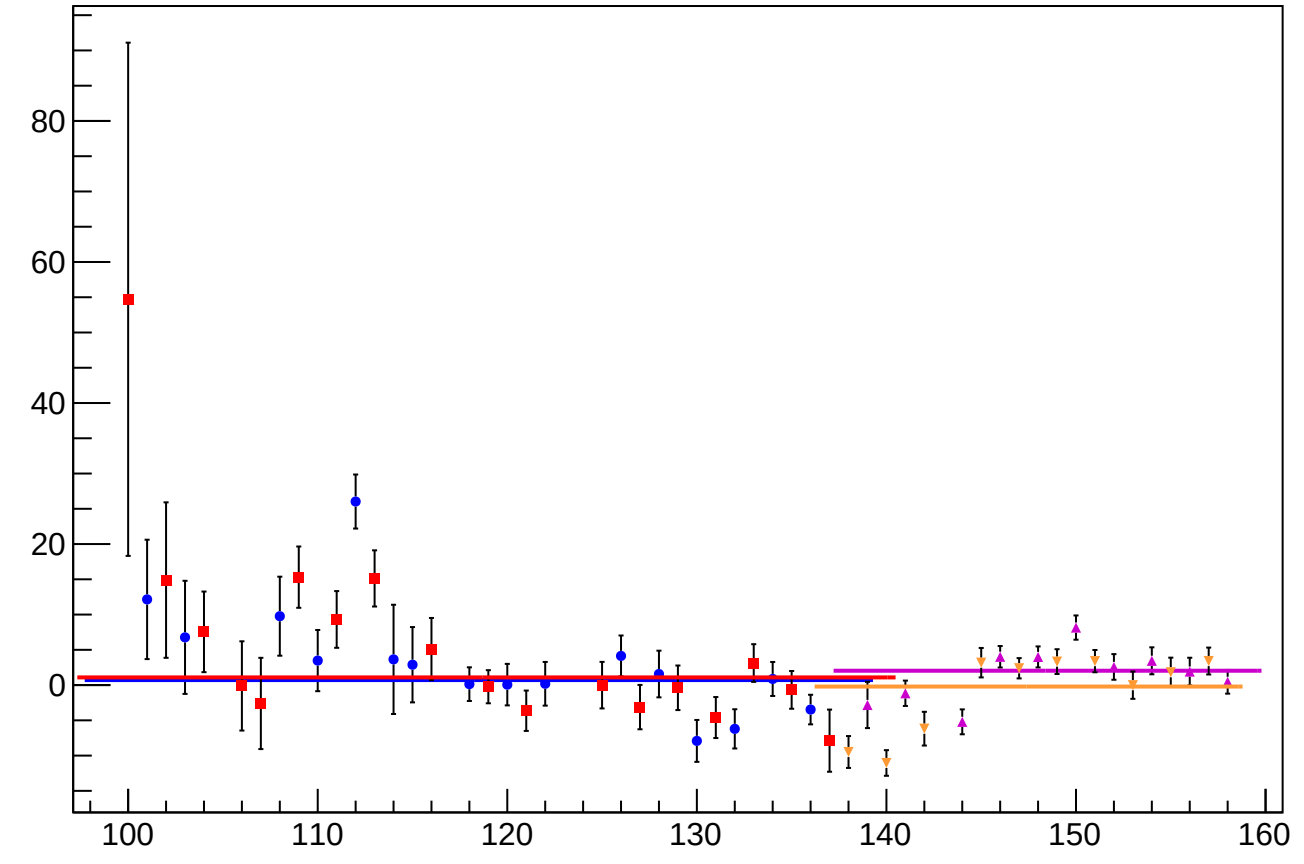
Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -93.377+/-0.674 χ^2/NDF:42.8/9

+ sign -92.945+/-0.529 χ^2/NDF: 2025.4/25

All: -94.942+/-0.373 χ^2/NDF: 4283.7/53

- sign -96.904+/-0.525 χ^2/NDF: 2230.1/27



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -0.207+/-0.589 χ^2/NDF:78.4/9

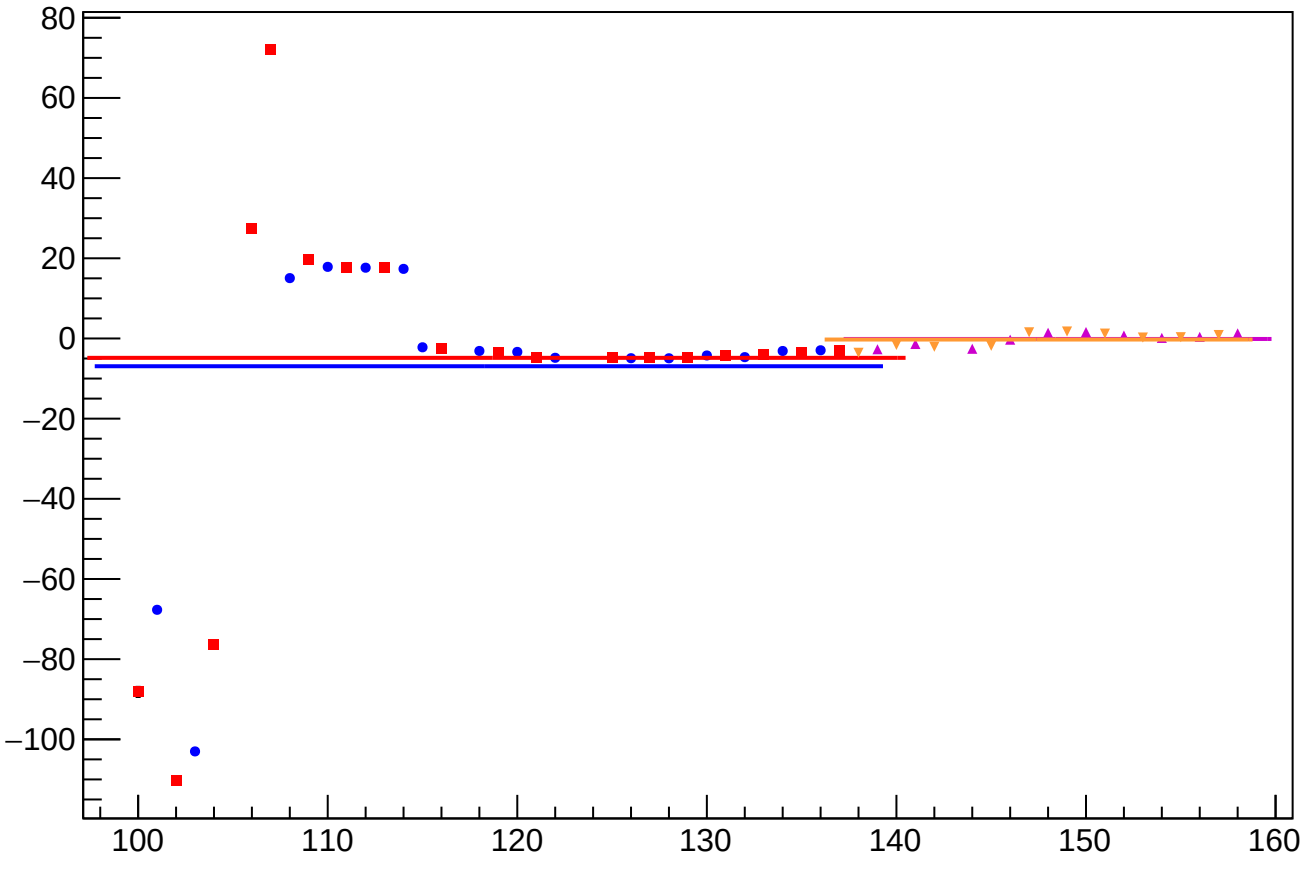
Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: 2.034+/-0.565 χ^2/NDF:39.8/9

+ sign 0.104+/-0.478 χ^2/NDF: 148.8/25

All: 0.938+/-0.336 χ^2/NDF: 243.1/53

- sign 1.747+/-0.472 χ^2/NDF: 88.3/27



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: -0.266+/-0.027 χ^2/NDF:4027.9/9

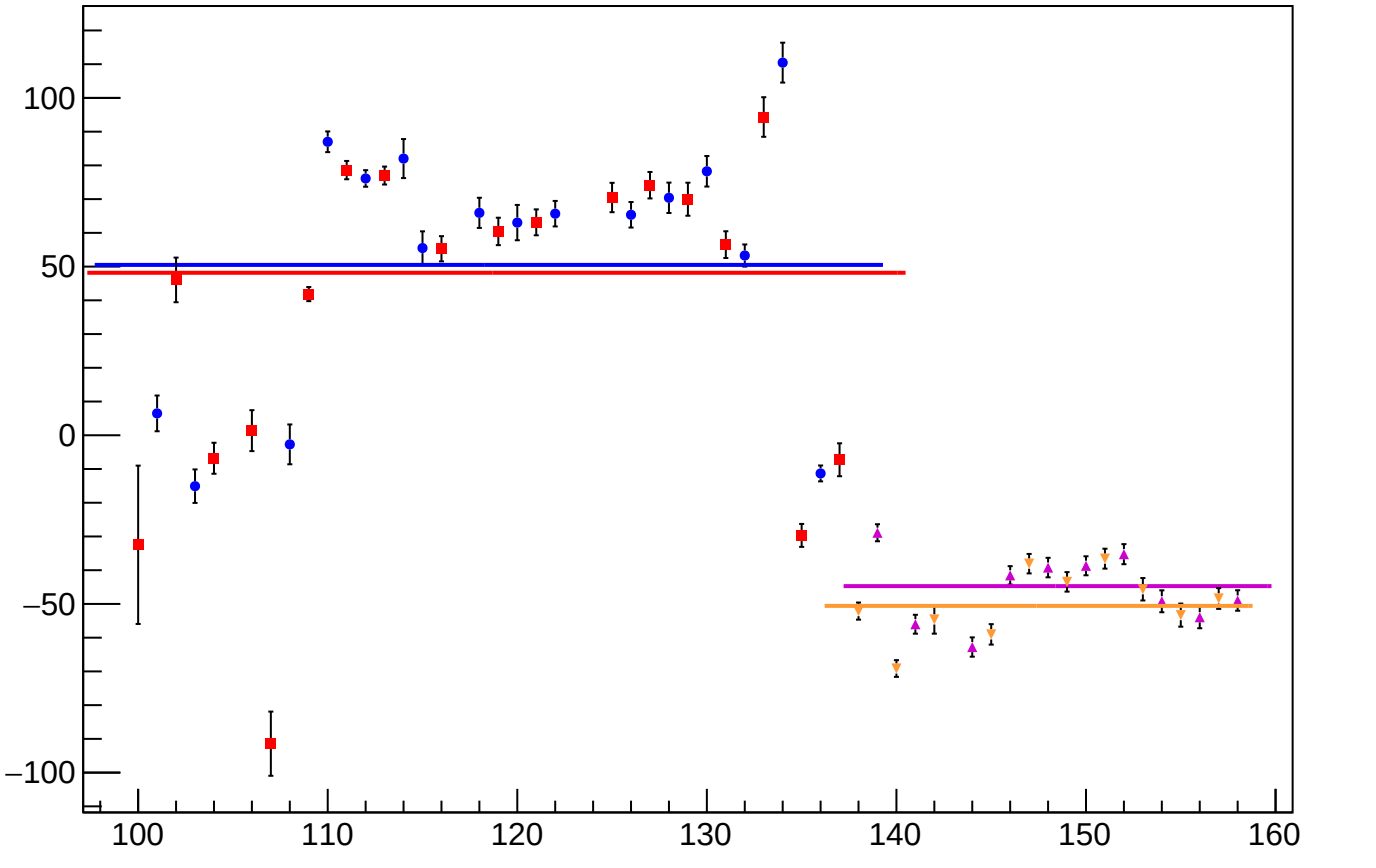
Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

Left In: -0.123+/-0.025 χ^2/NDF:3499.1/9

+ sign -1.833+/-0.024 χ^2/NDF: 283621.4/25

All: -1.411+/-0.016 χ^2/NDF: 633567.9/53

- sign -1.010+/-0.023 χ^2/NDF: 349318.8/27



Right In: 50.503+/-0.965 χ^2/NDF: 1503.6/15

Left Out: -50.577+/-0.946 χ^2/NDF:115.7/9

Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

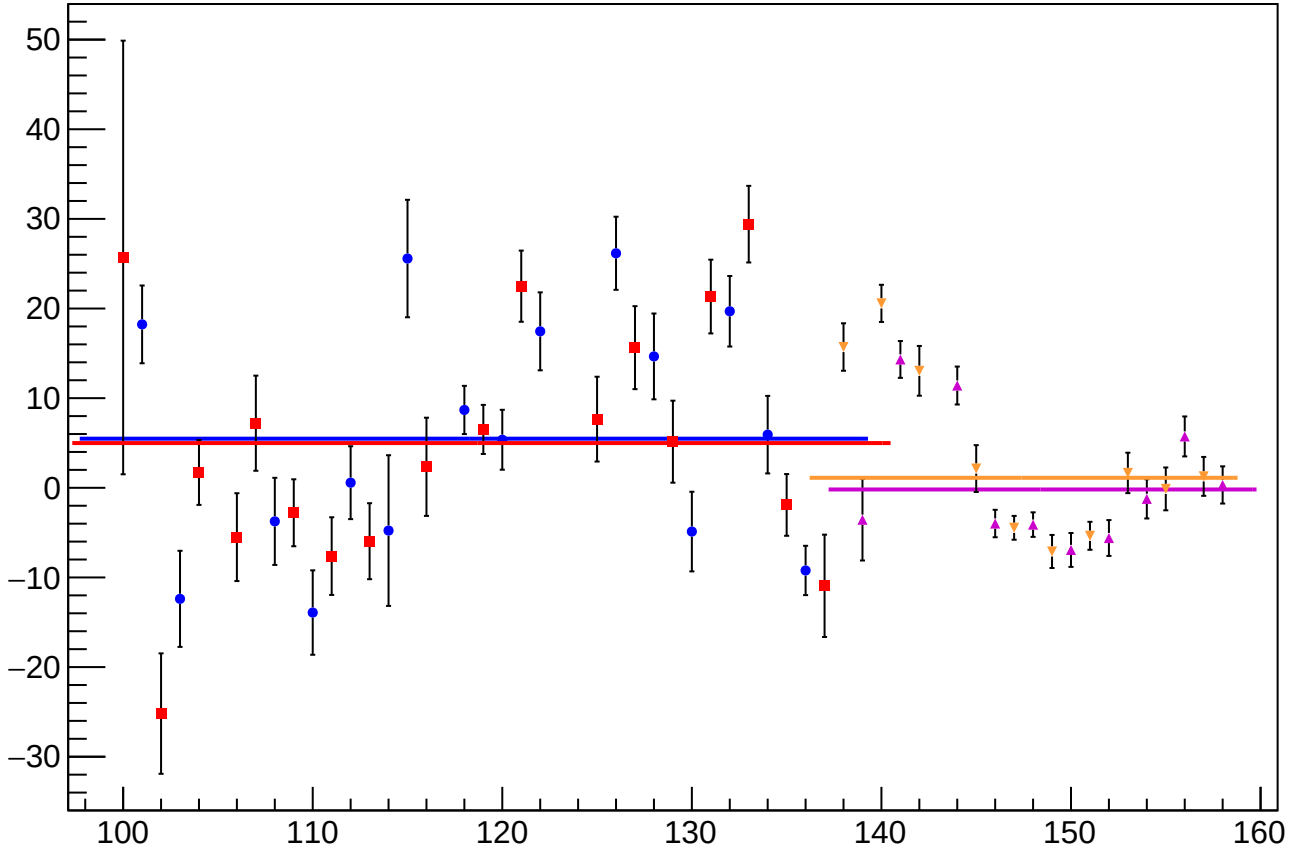
Left In: -44.718+/-0.914 χ^2/NDF:126.9/9

\+ sign -1.072+/-0.676 χ^2/NDF: 7213.6/25

All: 0.377+/-0.467 χ^2/NDF: 14032.5/53

\- sign 1.704+/-0.646 χ^2/NDF: 6810.1/27

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 5.481+/-1.021 χ^2/NDF: 138.2/15

Left Out: 1.117+/-0.632 χ^2/NDF:192.2/9

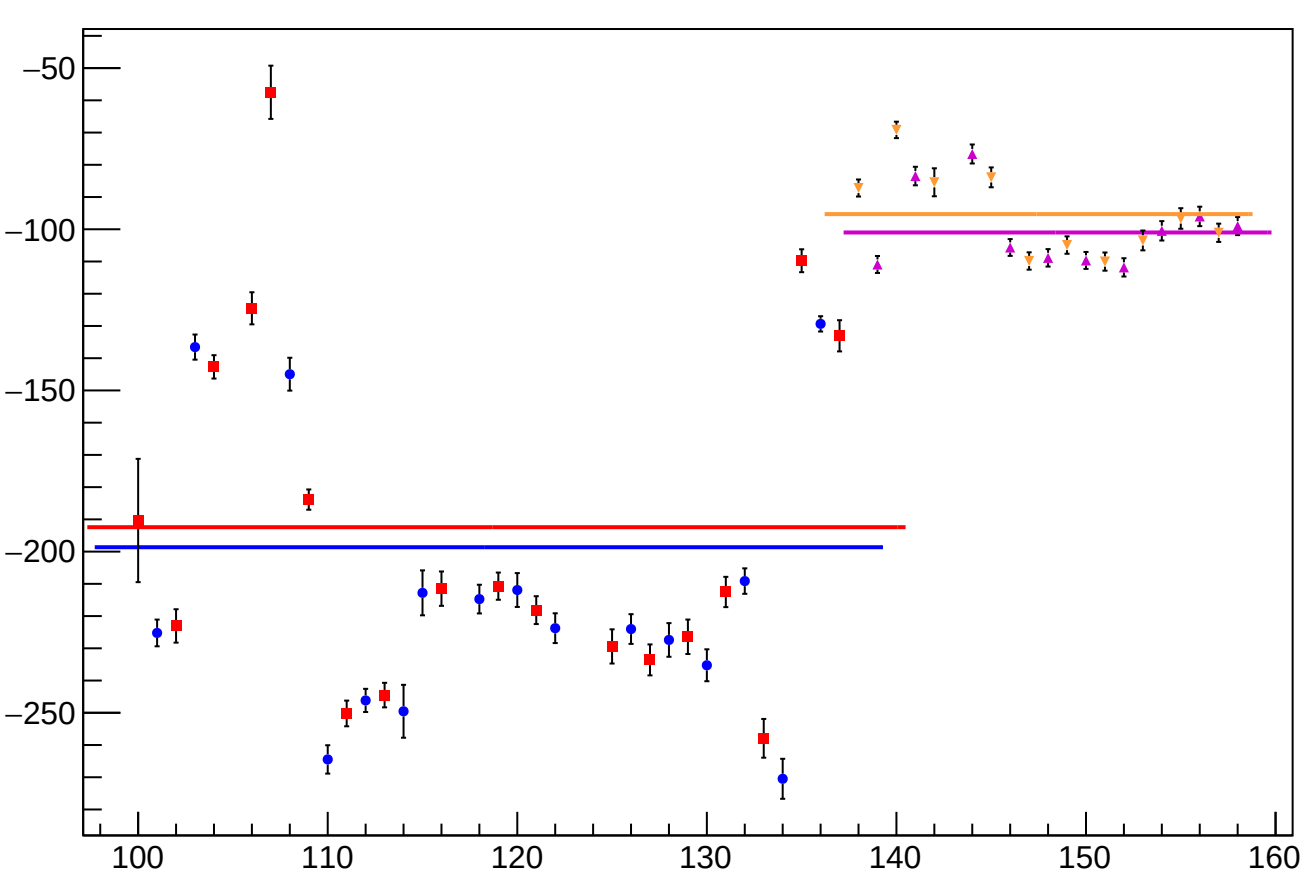
Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: -0.186+/-0.615 χ^2/NDF:122.2/9

+ sign 2.324+/-0.537 χ^2/NDF: 343.6/25

All: 1.747+/-0.376 χ^2/NDF: 618.6/53

- sign 1.190+/-0.527 χ^2/NDF: 272.8/27



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -95.300+/-0.919 χ^2/NDF:213.5/9

Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

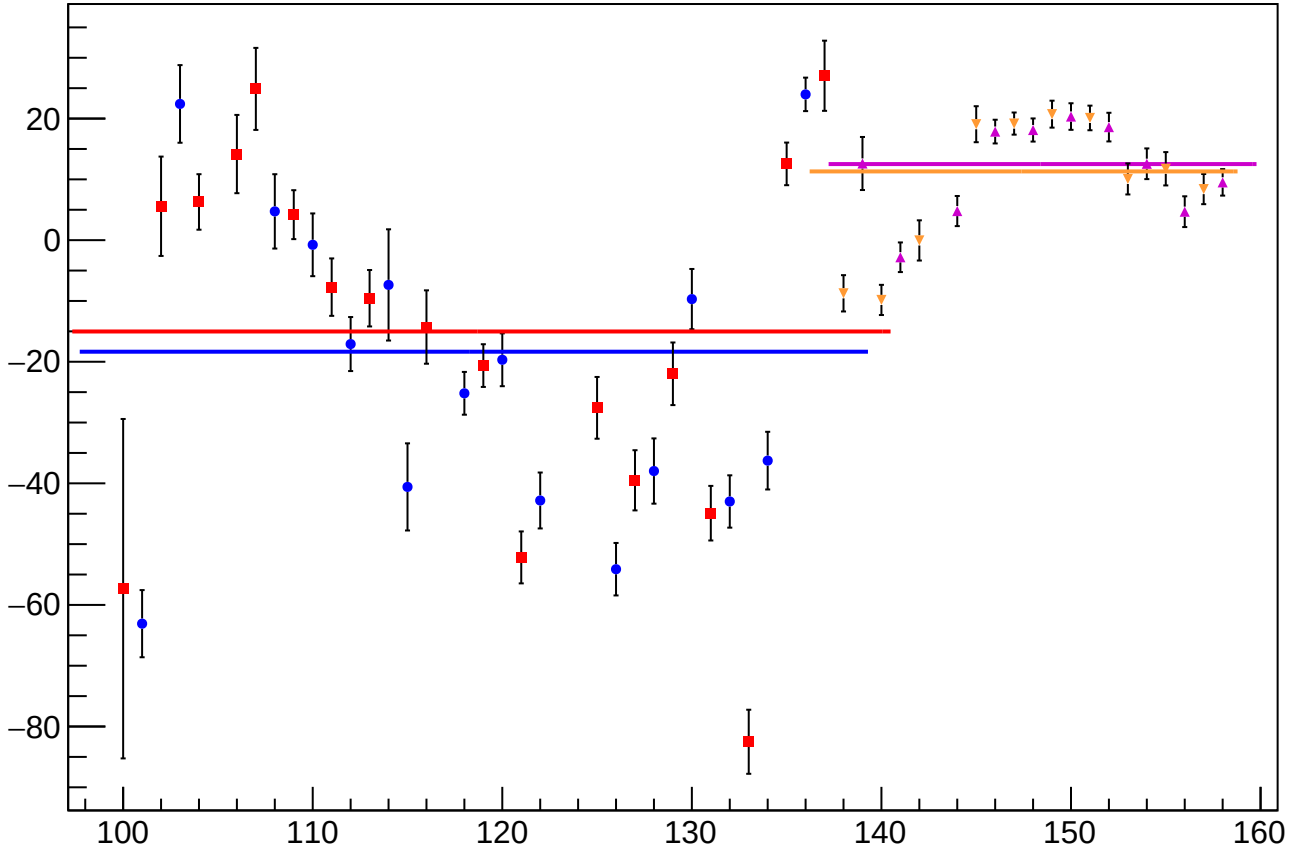
Left In: -100.995+/-0.884 χ^2/NDF:160.0/9

+ sign -138.553+/-0.701 χ^2/NDF: 7506.2/25

All: -138.097+/-0.489 χ^2/NDF: 14100.9/53

- sign -137.663+/-0.684 χ^2/NDF: 6593.9/27

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -18.348+/-1.159 χ^2/NDF: 543.9/15

Left Out: 11.307+/-0.772 χ^2/NDF:193.6/9

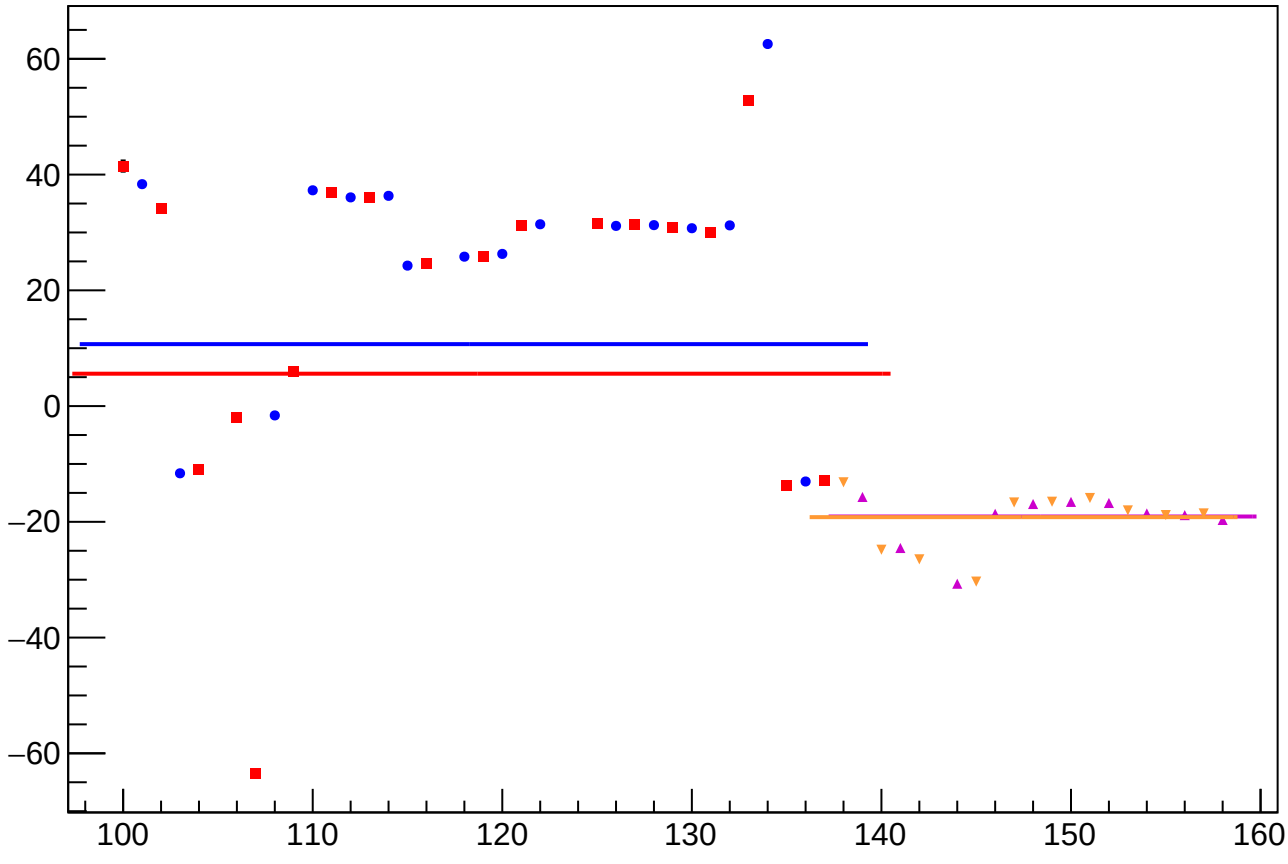
Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: 12.516+/-0.738 χ^2/NDF:96.4/9

+ sign 2.200+/-0.642 χ^2/NDF: 1190.8/25

All: 3.436+/-0.447 χ^2/NDF: 2241.1/53

- sign 4.599+/-0.623 χ^2/NDF: 1043.1/27



Right In: 10.704+/-0.063 χ^2/NDF: 164860.8/15

Left Out: -19.191+/-0.035 χ^2/NDF:17976.4/9

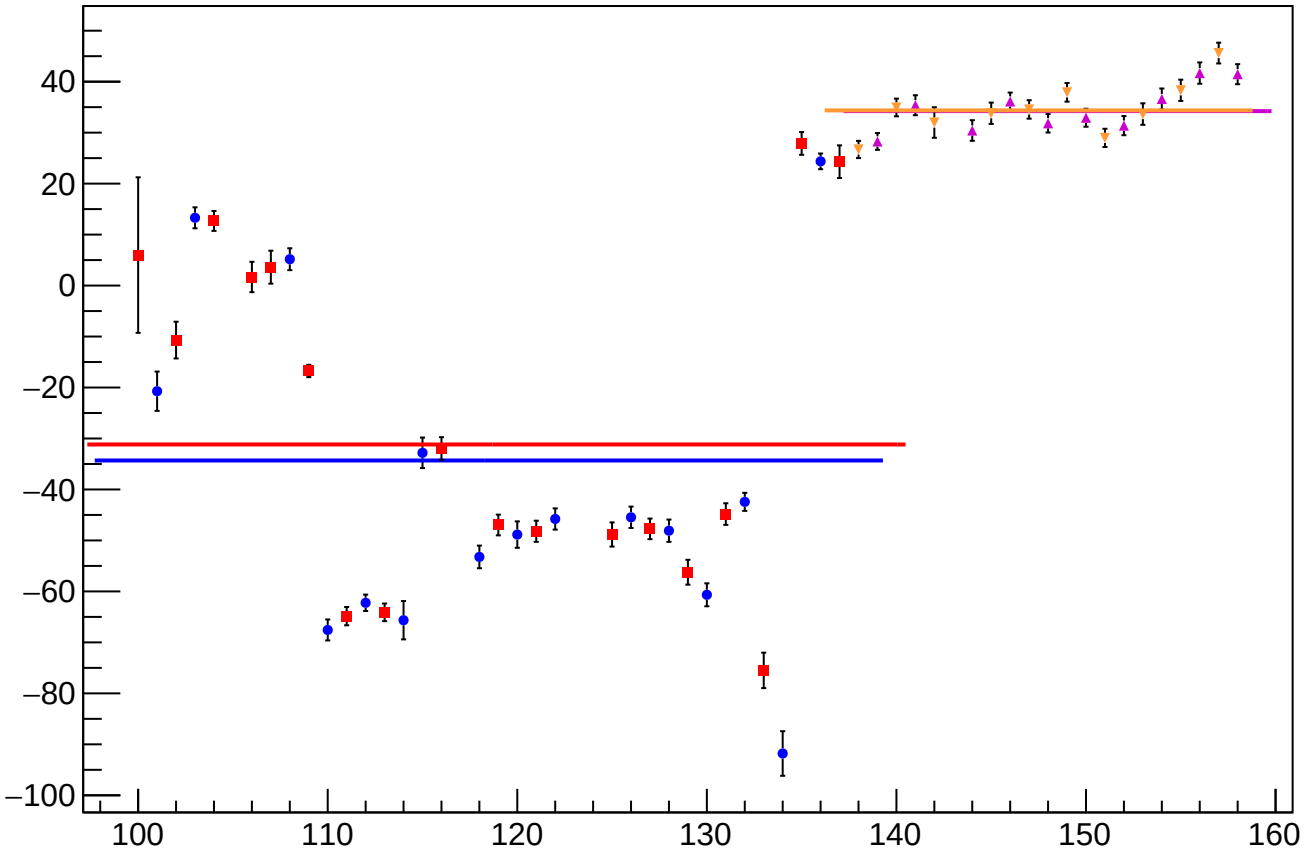
Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

Left In: -19.079+/-0.033 χ^2/NDF:12775.1/9

+ sign -11.980+/-0.031 χ^2/NDF: 354226.7/25

All: -12.916+/-0.021 χ^2/NDF: 641793.9/53

- sign -13.770+/-0.030 χ^2/NDF: 285812.0/27



Right In: -34.315+/-0.548 χ^2/NDF: 3500.2/15

Left Out: 34.365+/-0.616 χ^2/NDF:68.4/9

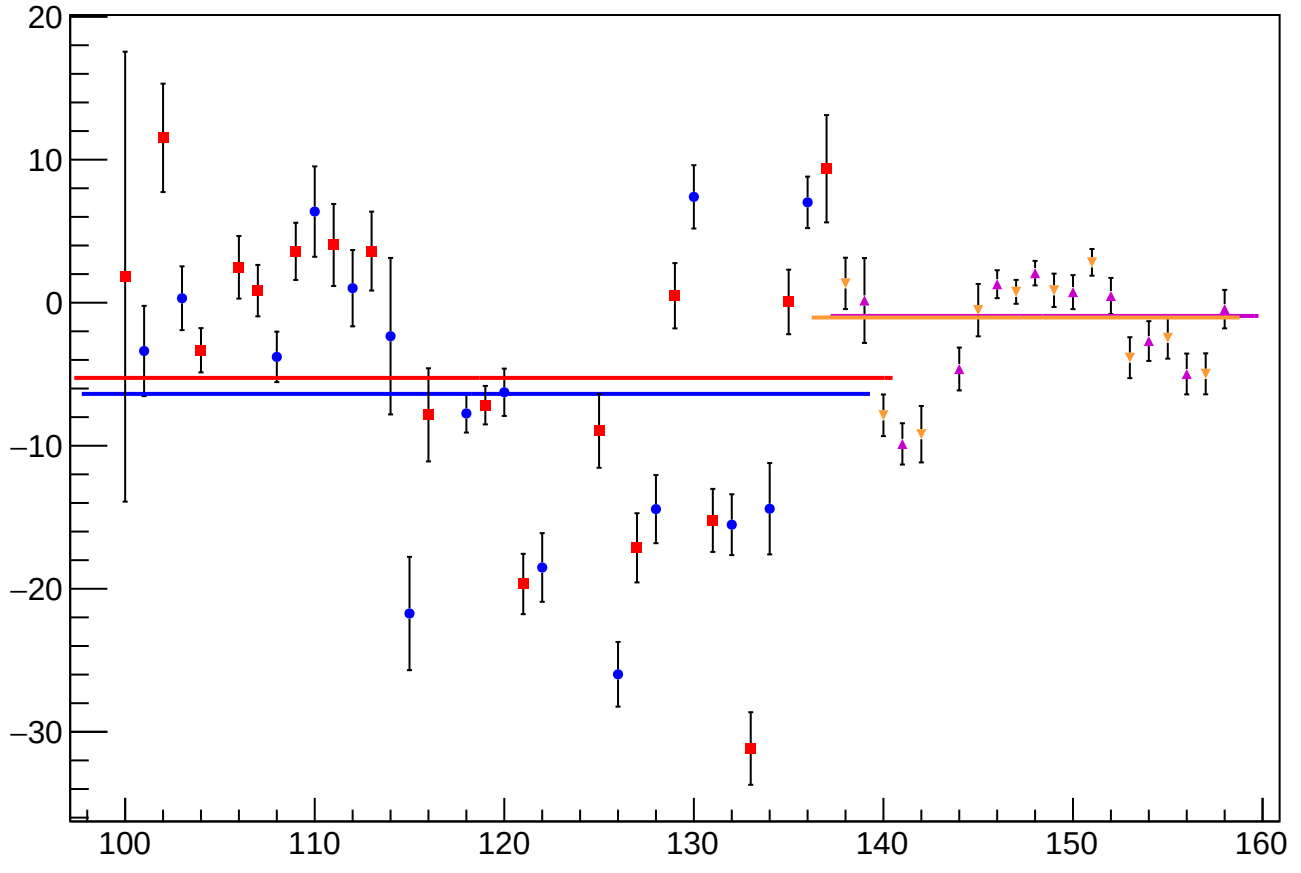
Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 34.222+/-0.594 χ^2/NDF:50.3/9

\+ sign -3.992+/-0.409 χ^2/NDF: 10509.1/25

All: -3.501+/-0.282 χ^2/NDF: 20675.9/53

\- sign -3.057+/-0.389 χ^2/NDF: 10164.0/27



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

Left Out: -1.035+/-0.405 χ^2/NDF:77.7/9

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

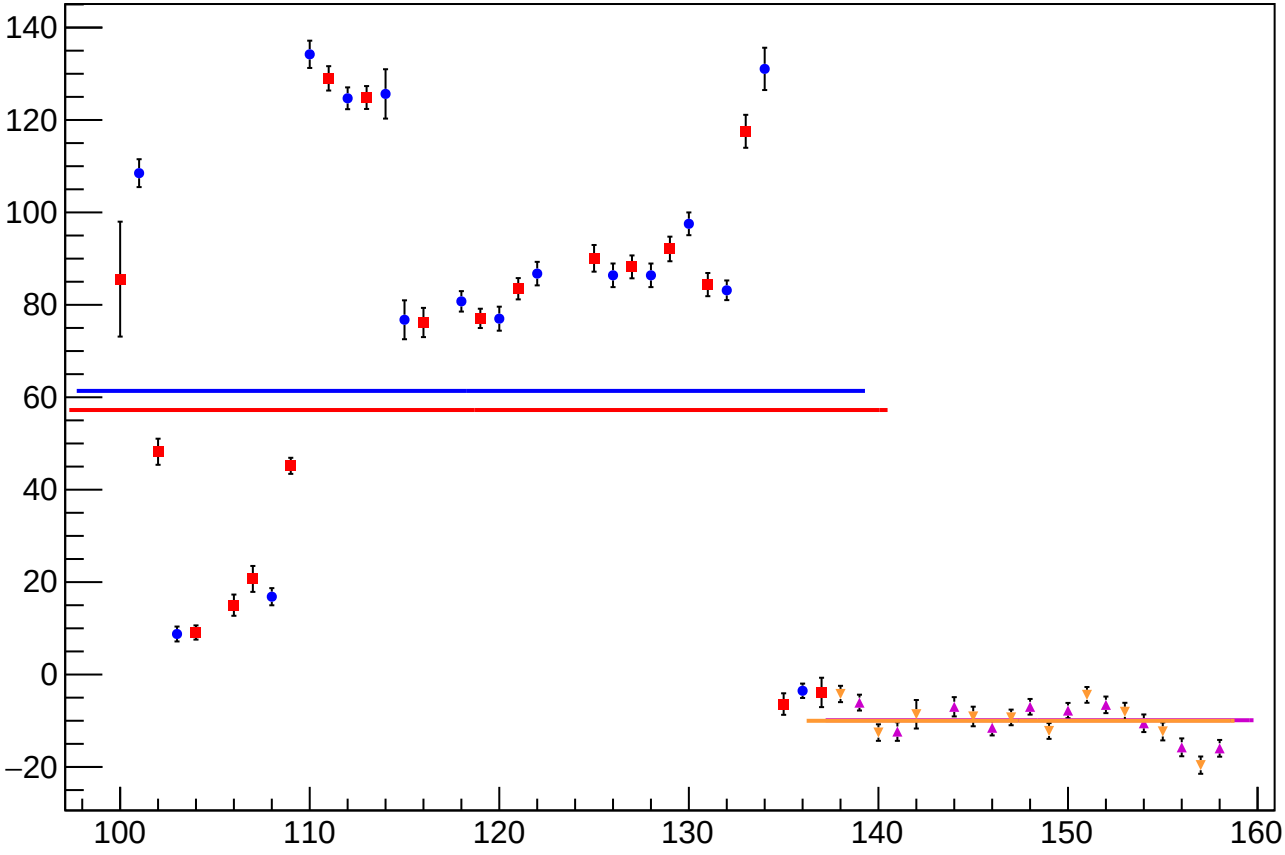
Left In: -0.924+/-0.397 χ^2/NDF:75.1/9

+ sign -2.896+/-0.327 χ^2/NDF: 422.0/25

All: -2.678+/-0.228 χ^2/NDF: 853.4/53

- sign -2.471+/-0.318 χ^2/NDF: 430.6/27

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 61.377+/-0.594 χ^2/NDF: 6066.8/15

Left Out: -10.008+/-0.596 χ^2/NDF:54.6/9

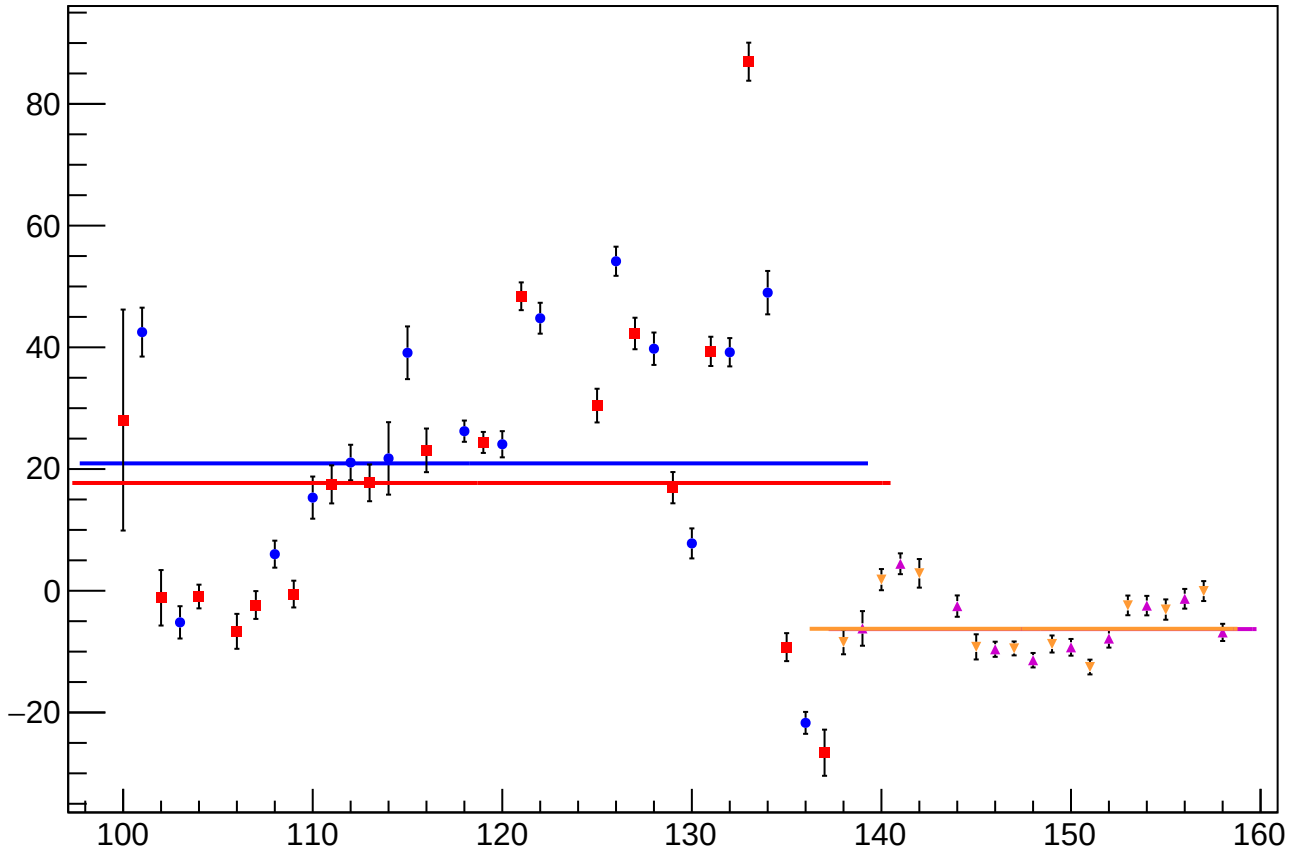
Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: -9.888+/-0.573 χ^2/NDF:37.9/9

+ sign 25.802+/-0.421 χ^2/NDF: 13311.3/25

All: 24.475+/-0.293 χ^2/NDF: 25418.1/53

- sign 23.230+/-0.408 χ^2/NDF: 12087.5/27



Right In: 20.931+/-0.640 χ^2/NDF: 1245.4/15

Left Out: -6.248+/-0.496 χ^2/NDF:101.3/9

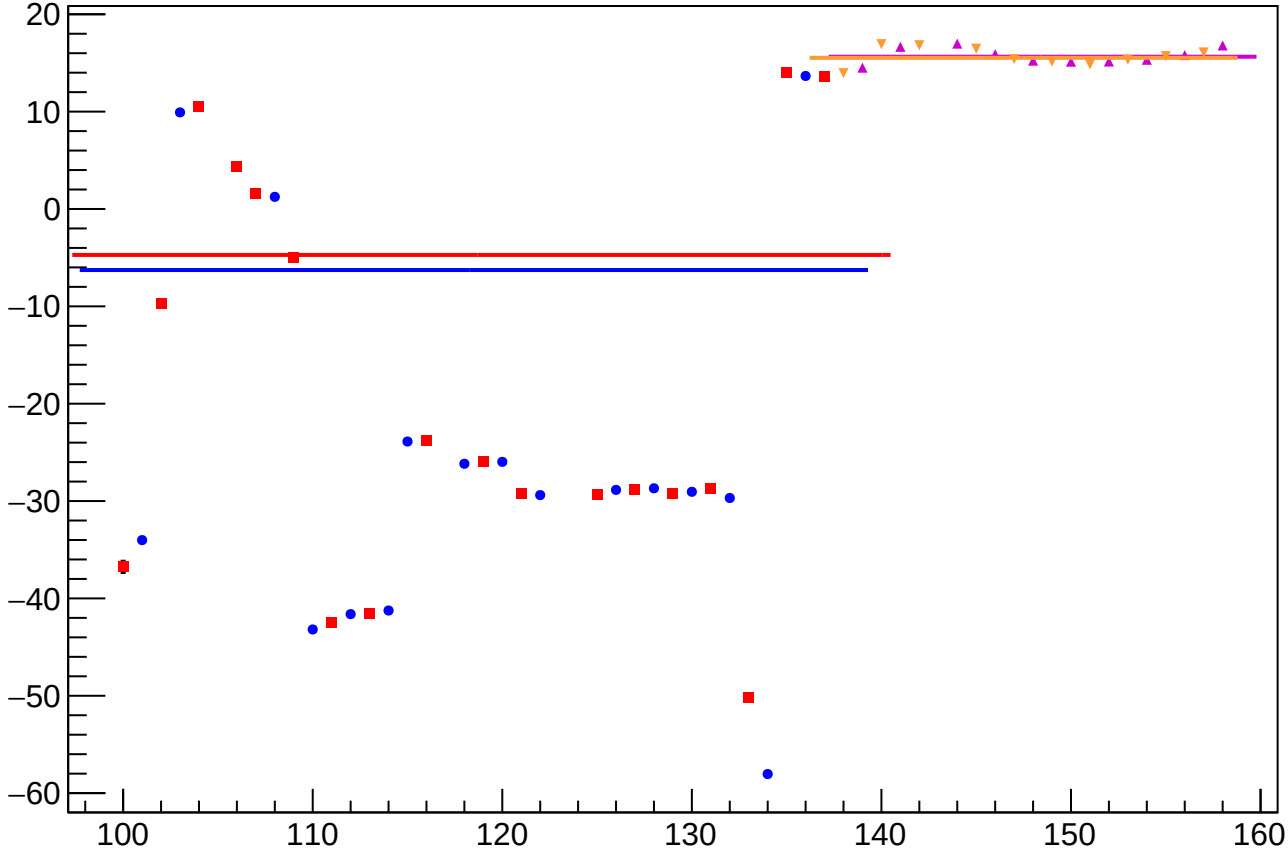
Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

Left In: -6.297+/-0.477 χ^2/NDF:90.8/9

+ sign 3.958+/-0.392 χ^2/NDF: 2472.5/25

All: 3.285+/-0.272 χ^2/NDF: 4996.6/53

- sign 2.661+/-0.378 χ^2/NDF: 2518.5/27



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 15.529+/-0.023 χ^2/NDF:1298.3/9

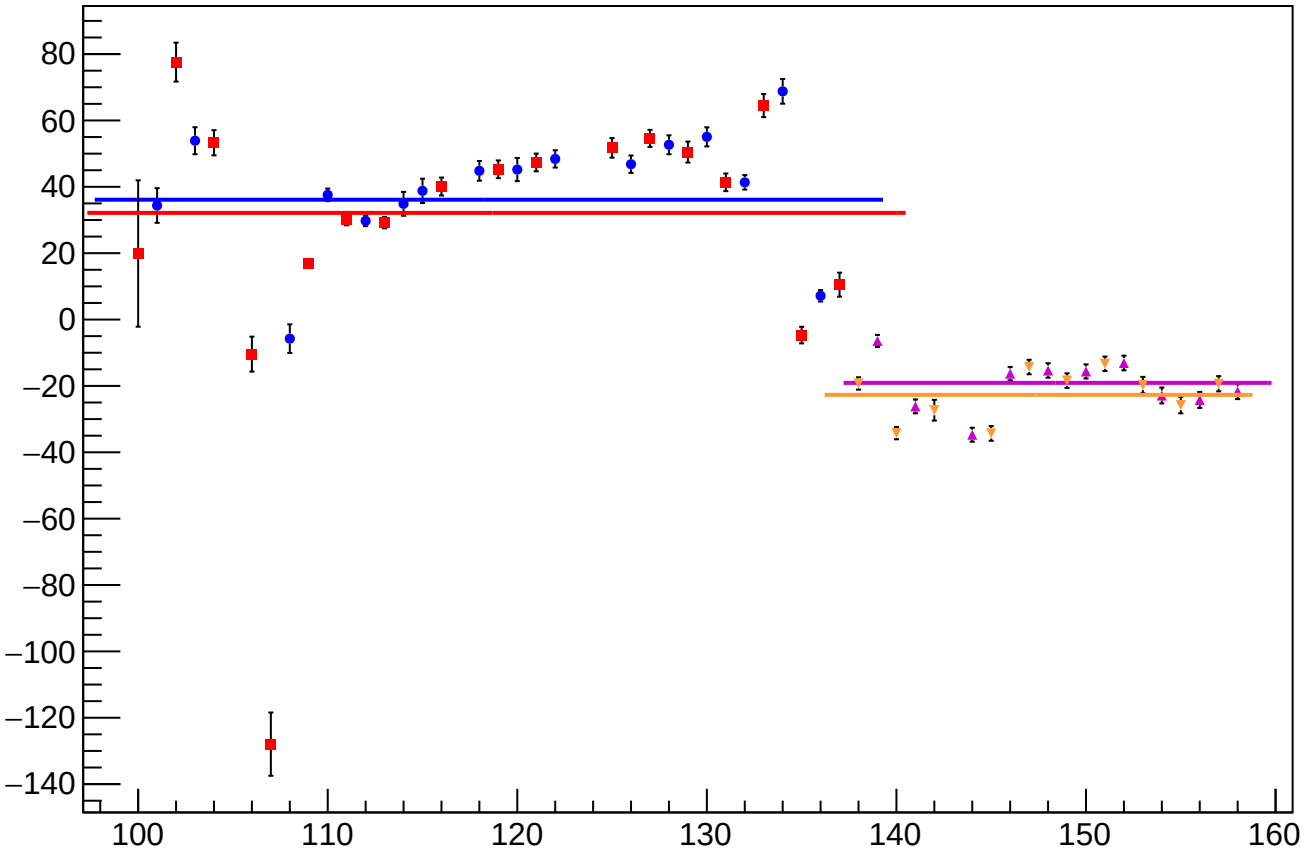
Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 15.641+/-0.022 χ^2/NDF:1231.5/9

+ sign 8.554+/-0.019 χ^2/NDF: 701174.6/25

All: 9.172+/-0.013 χ^2/NDF: 1270567.8/53

- sign 9.742+/-0.018 χ^2/NDF: 567336.8/27



Right In: 36.118+/-0.656 χ^2/NDF: 622.8/15

Left Out: -22.693+/-0.702 χ^2/NDF:114.2/9

Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

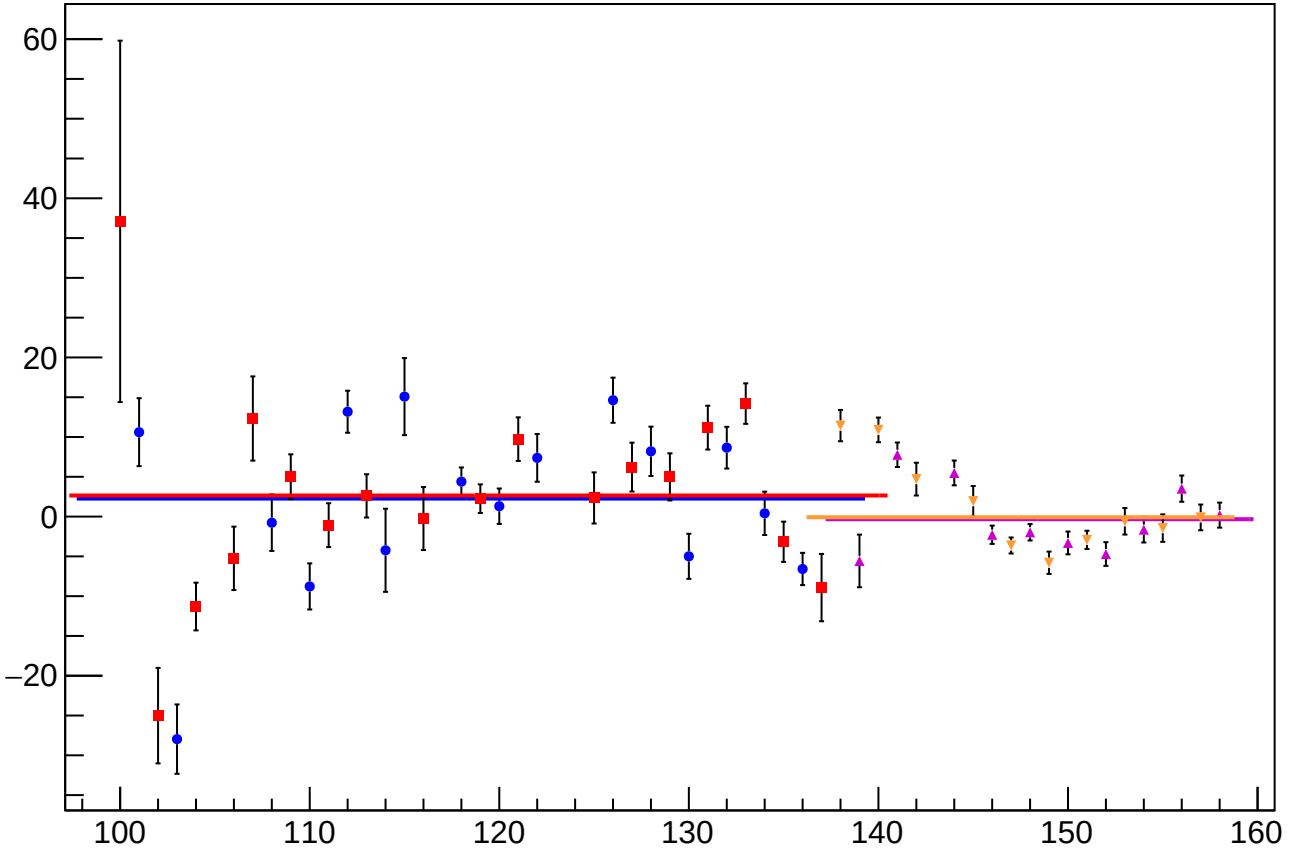
Left In: -19.077+/-0.680 χ^2/NDF:137.0/9

\+ sign 8.675+/-0.479 χ^2/NDF: 4482.6/25

All: 8.567+/-0.333 χ^2/NDF: 8785.3/53

\- sign 8.465+/-0.462 χ^2/NDF: 4302.5/27

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 2.265+/-0.701 χ^2/NDF: 152.0/15

Left Out: -0.082+/-0.470 χ^2/NDF:127.0/9

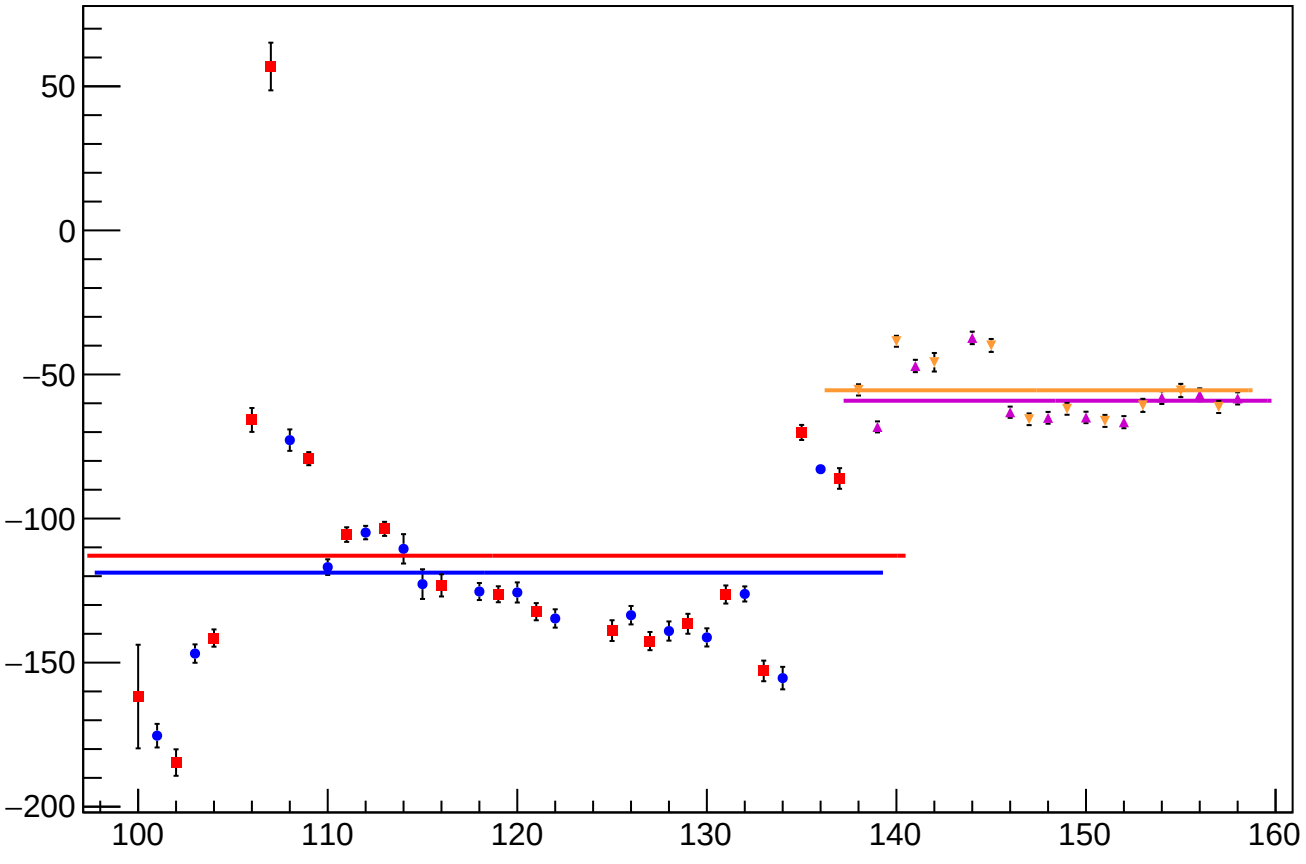
Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

Left In: -0.328+/-0.461 χ^2/NDF:68.7/9

+ sign 0.646+/-0.391 χ^2/NDF: 286.7/25

All: 0.595+/-0.275 χ^2/NDF: 475.0/53

- sign 0.545+/-0.387 χ^2/NDF: 188.2/27



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -55.489+/-0.682 χ^2/NDF:209.8/9

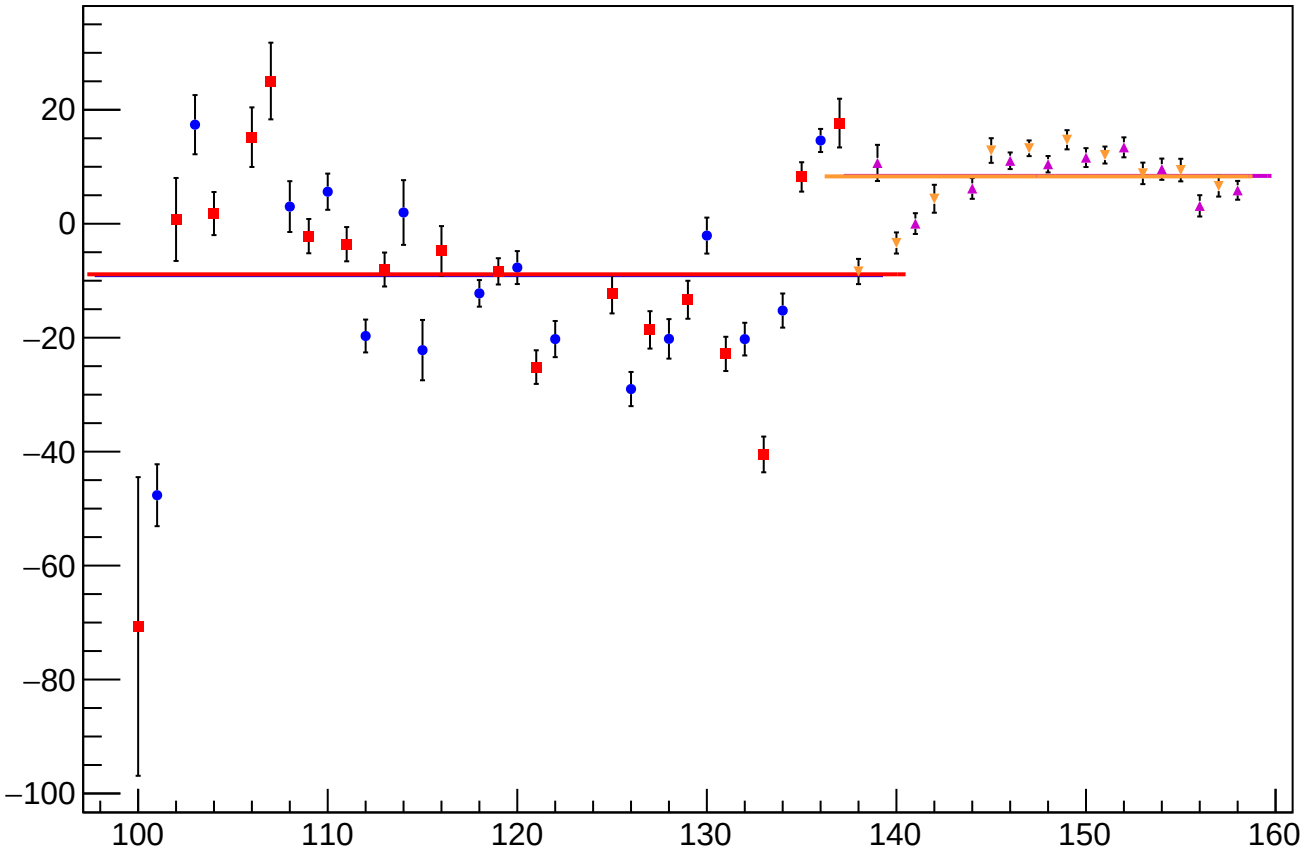
Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -59.116+/-0.658 χ^2/NDF:190.2/9

\+ sign -83.869+/-0.507 χ^2/NDF: 5186.6/25

All: -82.982+/-0.355 χ^2/NDF: 10103.8/53

\- sign -82.127+/-0.498 χ^2/NDF: 4911.1/27



Right In: -9.022+/-0.796 χ^2/NDF: 358.0/15

Left Out: 8.312+/-0.574 χ^2/NDF:138.6/9

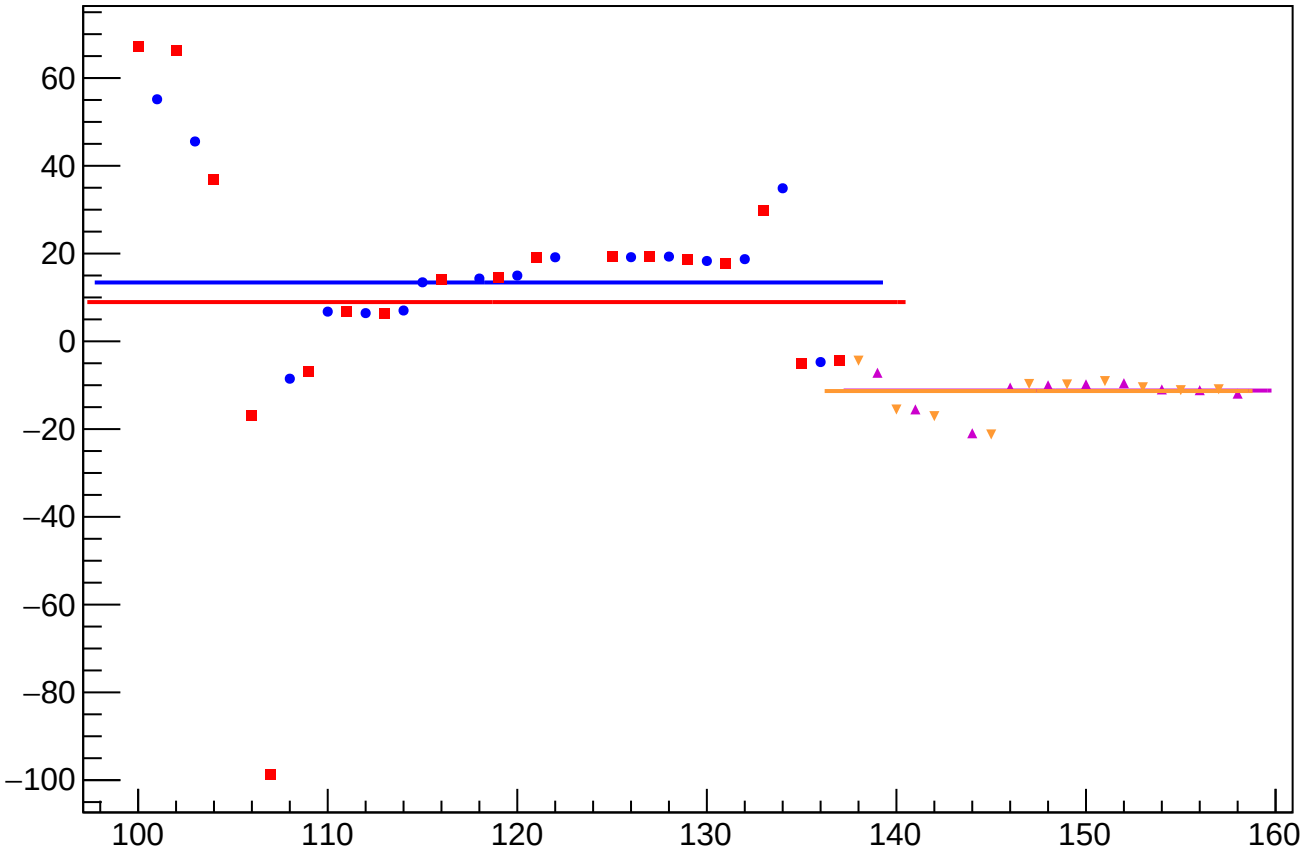
Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 8.397+/-0.552 χ^2/NDF:50.9/9

\+ sign 2.378+/-0.466 χ^2/NDF: 808.7/25

All: 2.657+/-0.326 χ^2/NDF: 1489.5/53

\- sign 2.925+/-0.456 χ^2/NDF: 680.1/27



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -11.329+/-0.026 χ^2/NDF:26510.9/9

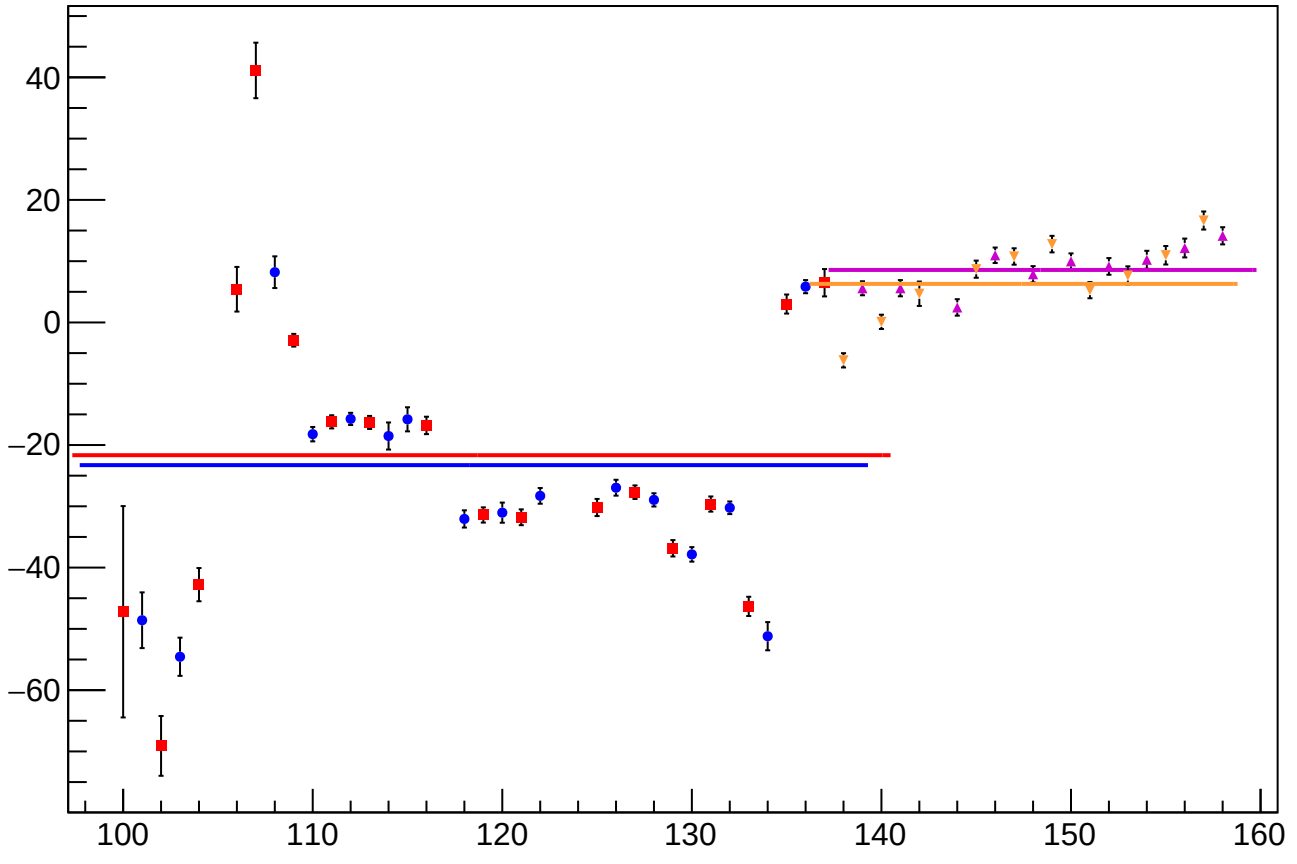
Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -11.220+/-0.025 χ^2/NDF:17212.5/9

+ sign -5.100+/-0.023 χ^2/NDF: 433583.5/25

All: -6.025+/-0.016 χ^2/NDF: 887222.2/53

- sign -6.890+/-0.022 χ^2/NDF: 450429.5/27



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: 6.298+/-0.436 χ^2/NDF:240.6/9

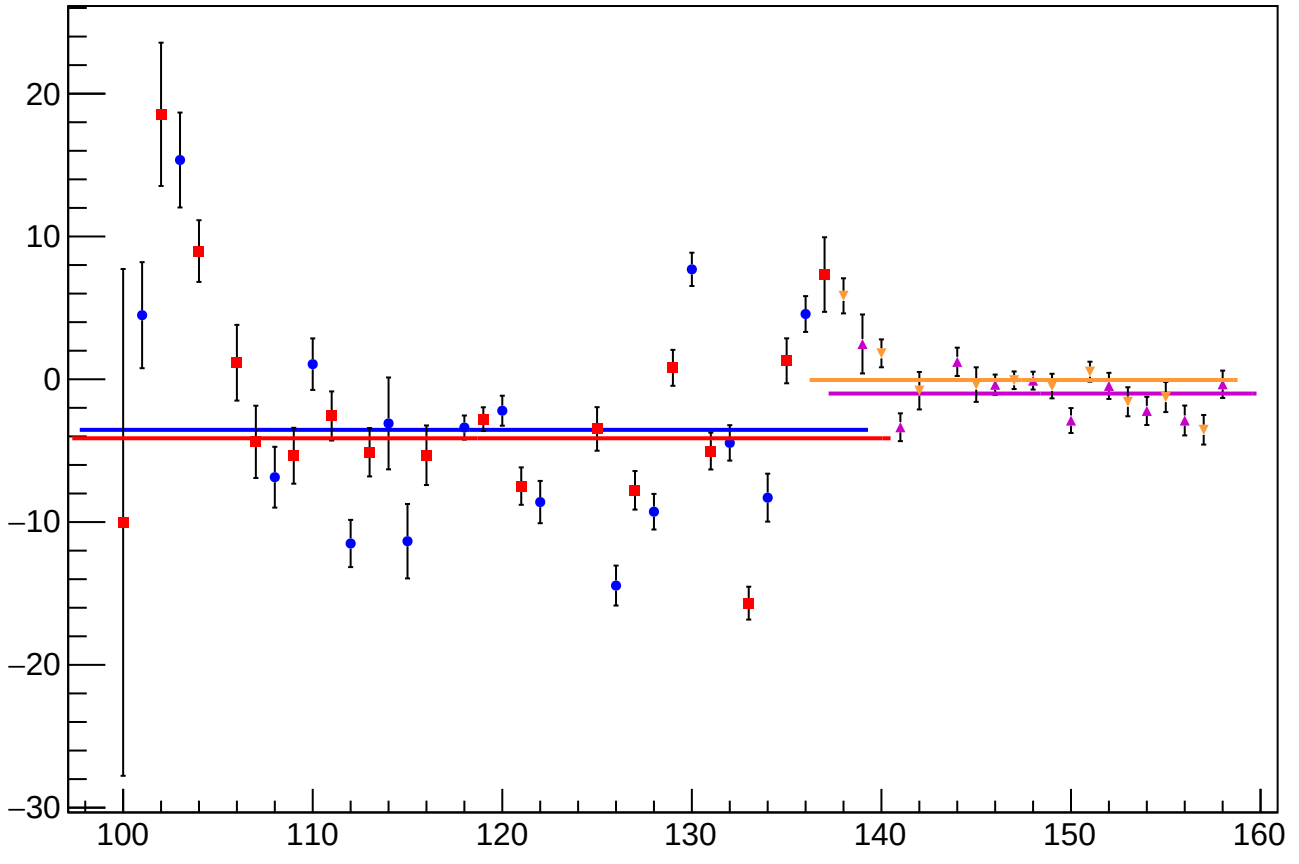
Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: 8.570+/-0.422 χ^2/NDF:60.4/9

\+ sign -11.684+/-0.273 χ^2/NDF: 4602.2/25

All: -10.542+/-0.191 χ^2/NDF: 9572.2/53

\- sign -9.442+/-0.268 χ^2/NDF: 4935.6/27



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: -0.052+/-0.291 χ^2/NDF:42.9/9

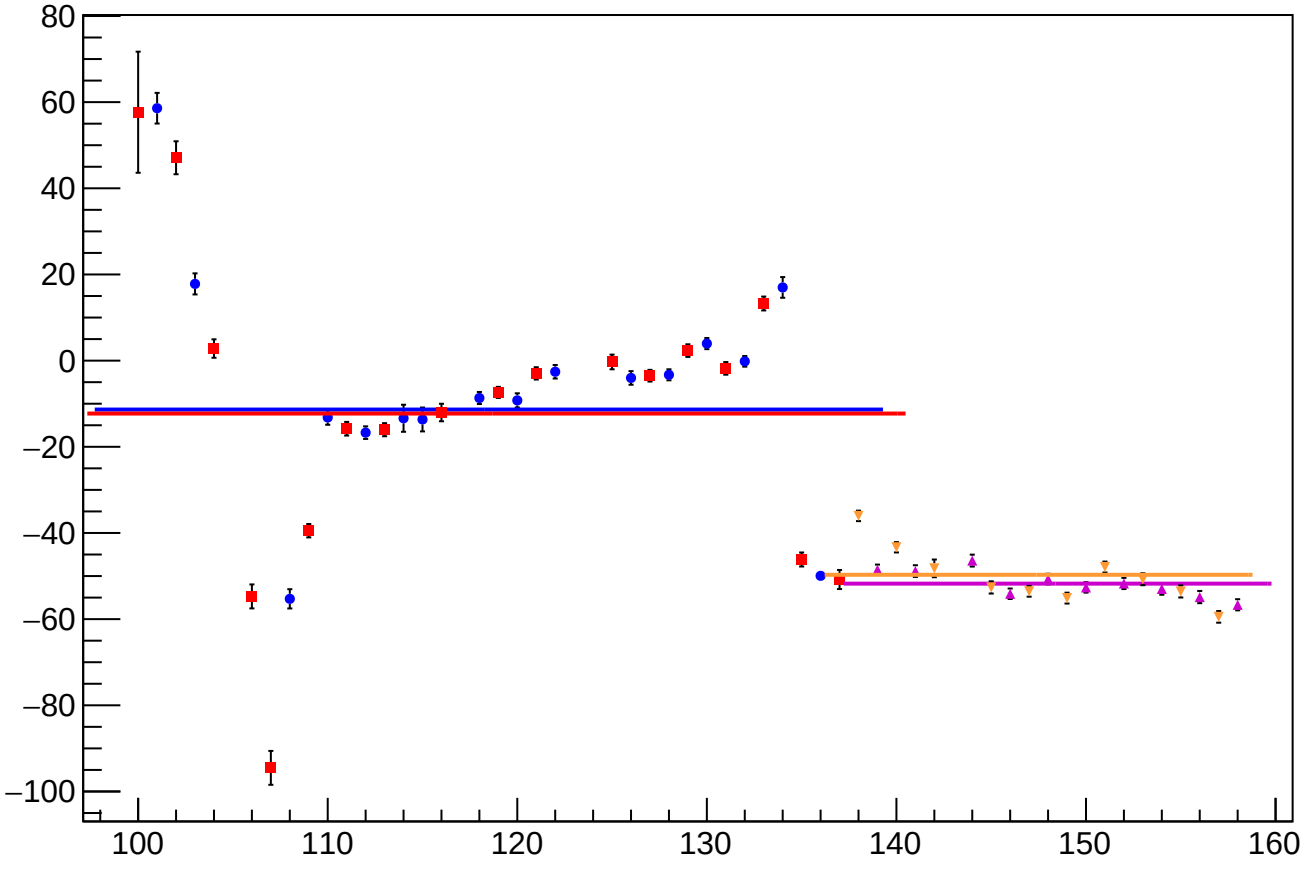
Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: -0.999+/-0.284 χ^2/NDF:26.8/9

+ sign -1.418+/-0.227 χ^2/NDF: 416.0/25

All: -1.791+/-0.160 χ^2/NDF: 720.6/53

- sign -2.159+/-0.226 χ^2/NDF: 299.3/27



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -49.709+/-0.424 χ^2/NDF:249.2/9

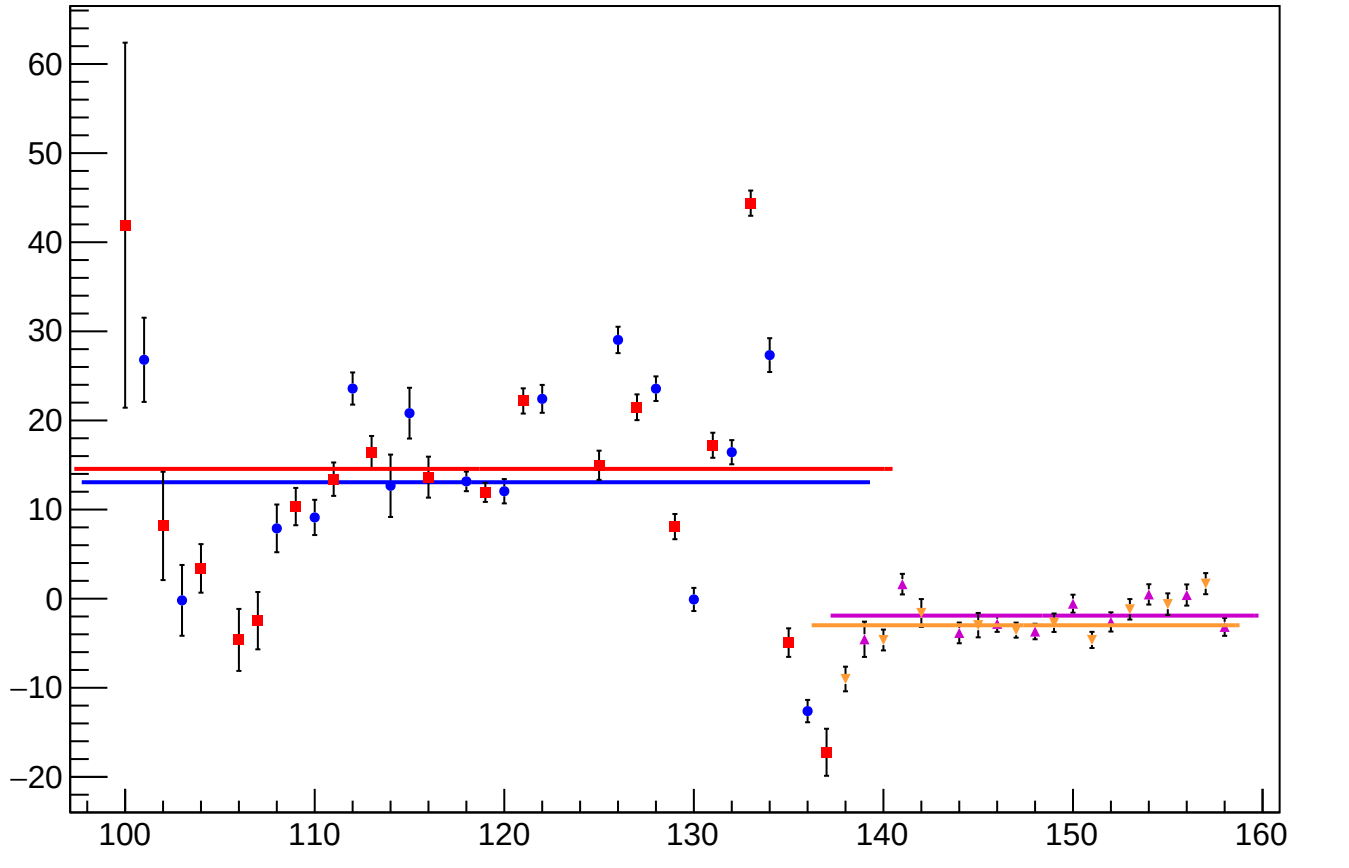
Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

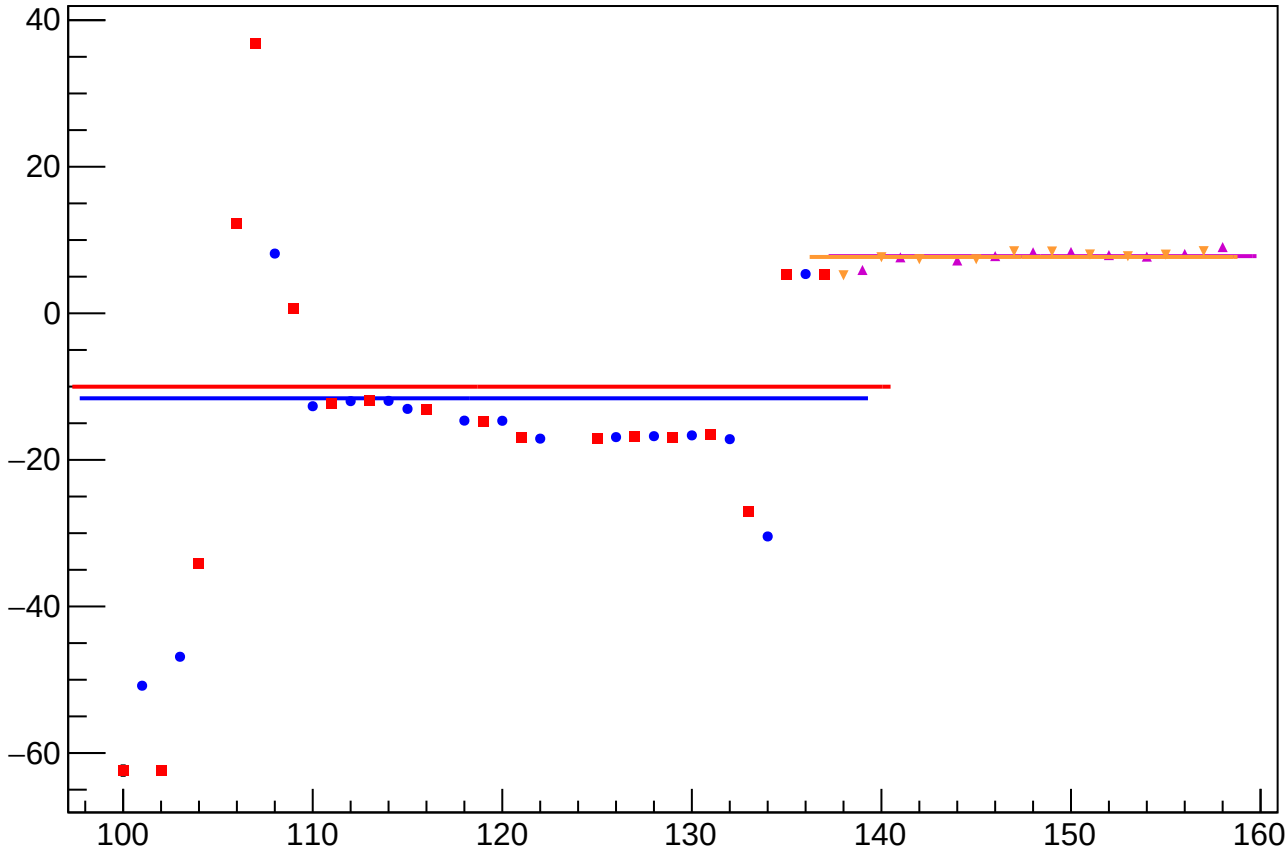
Left In: -51.758+/-0.408 χ^2/NDF:52.0/9

+ sign -29.692+/-0.293 χ^2/NDF: 7184.3/25

All: -31.002+/-0.206 χ^2/NDF: 14492.7/53

- sign -32.285+/-0.290 χ^2/NDF: 7268.9/27


reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs Slug
60
50
40
30
20
10
0
−10
−20
100
110
120
130
140
150
160
Right In: 13.066+/-0.415 χ²/NDF: 863.4/15
Left Out: -2.984+/-0.355 χ²/NDF:47.4/9
Right Out: 14.563+/-0.423 χ²/NDF: 903.1/17
Left In: -1.902+/-0.341 χ²/NDF:31.1/9
+ sign 3.813+/-0.270 χ²/NDF: 1774.3/25
All: 4.209+/-0.189 χ²/NDF: 3632.4/53
- sign 4.592+/-0.265 χ²/NDF: 1853.9/27



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 7.691+/-0.016 χ^2/NDF:3575.2/9

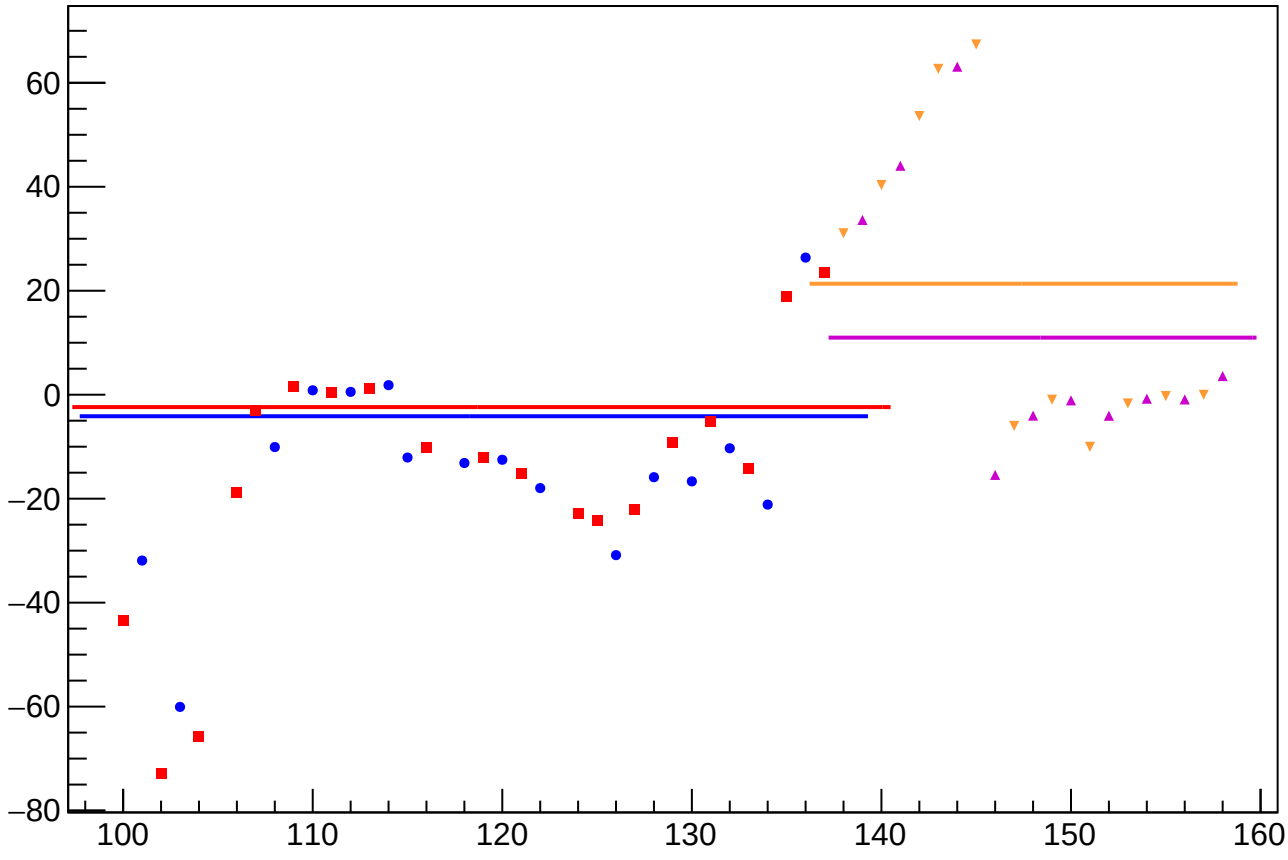
Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

Left In: 7.802+/-0.015 χ^2/NDF:3126.4/9

\+ sign 2.330+/-0.014 χ^2/NDF: 752106.7/25

All: 2.965+/-0.010 χ^2/NDF: 1476480.5/53

\- sign 3.557+/-0.013 χ^2/NDF: 720323.5/27



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 21.348+/-0.081 χ^2/NDF:99128.1/10

Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

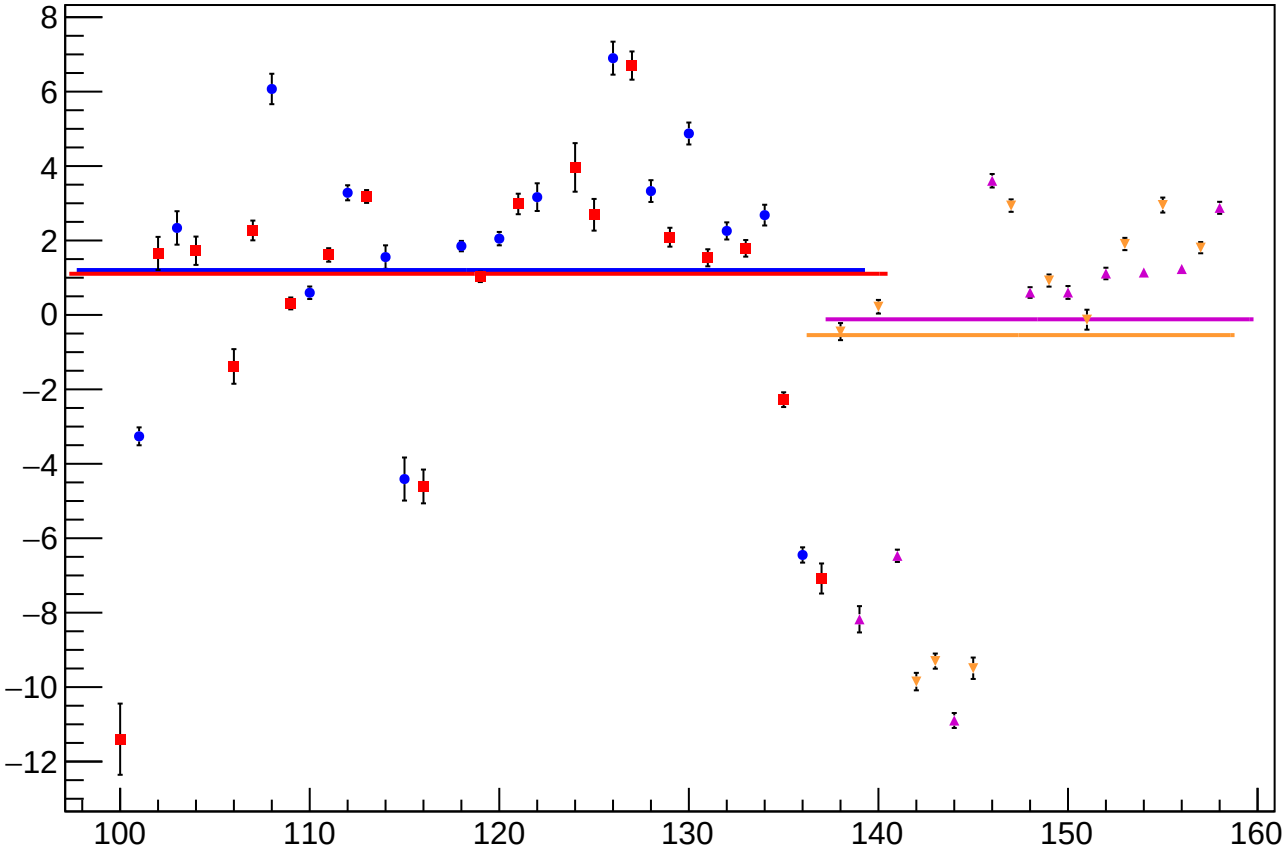
Left In: 10.980+/-0.069 χ^2/NDF:98833.6/9

+ sign 3.813+/-0.045 χ^2/NDF: 242242.1/26

All: 2.606+/-0.029 χ^2/NDF: 448933.4/55

- sign 1.743+/-0.038 χ^2/NDF: 205477.3/28

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/15

Left Out: -0.542+/-0.058 χ^2/NDF:5687.1/10

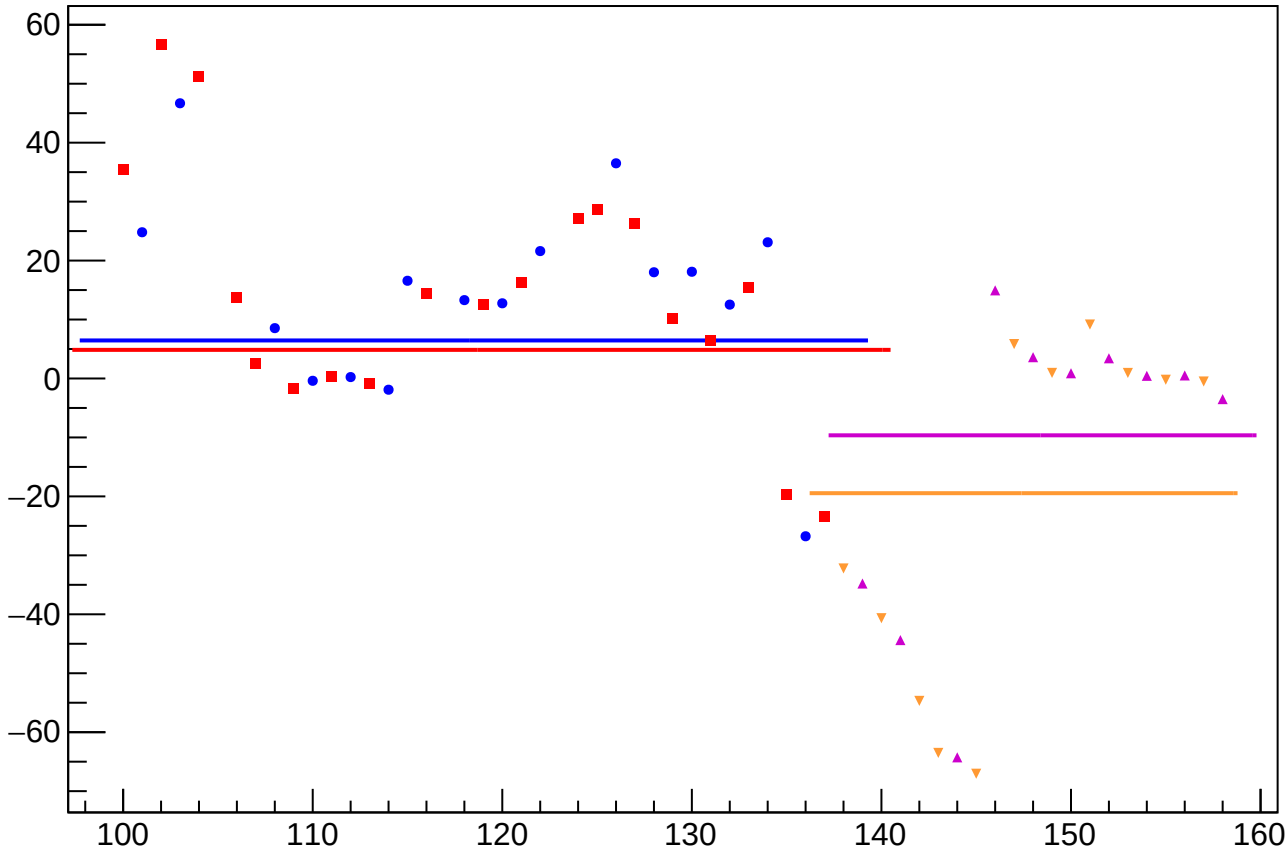
Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

Left In: -0.118+/-0.048 χ^2/NDF:6024.7/9

+ sign 0.299+/-0.042 χ^2/NDF: 8705.9/26

All: 0.349+/-0.028 χ^2/NDF: 16588.6/55

- sign 0.388+/-0.037 χ^2/NDF: 7880.1/28



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -19.457+/-0.079 χ^2/NDF:102076.4/10

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

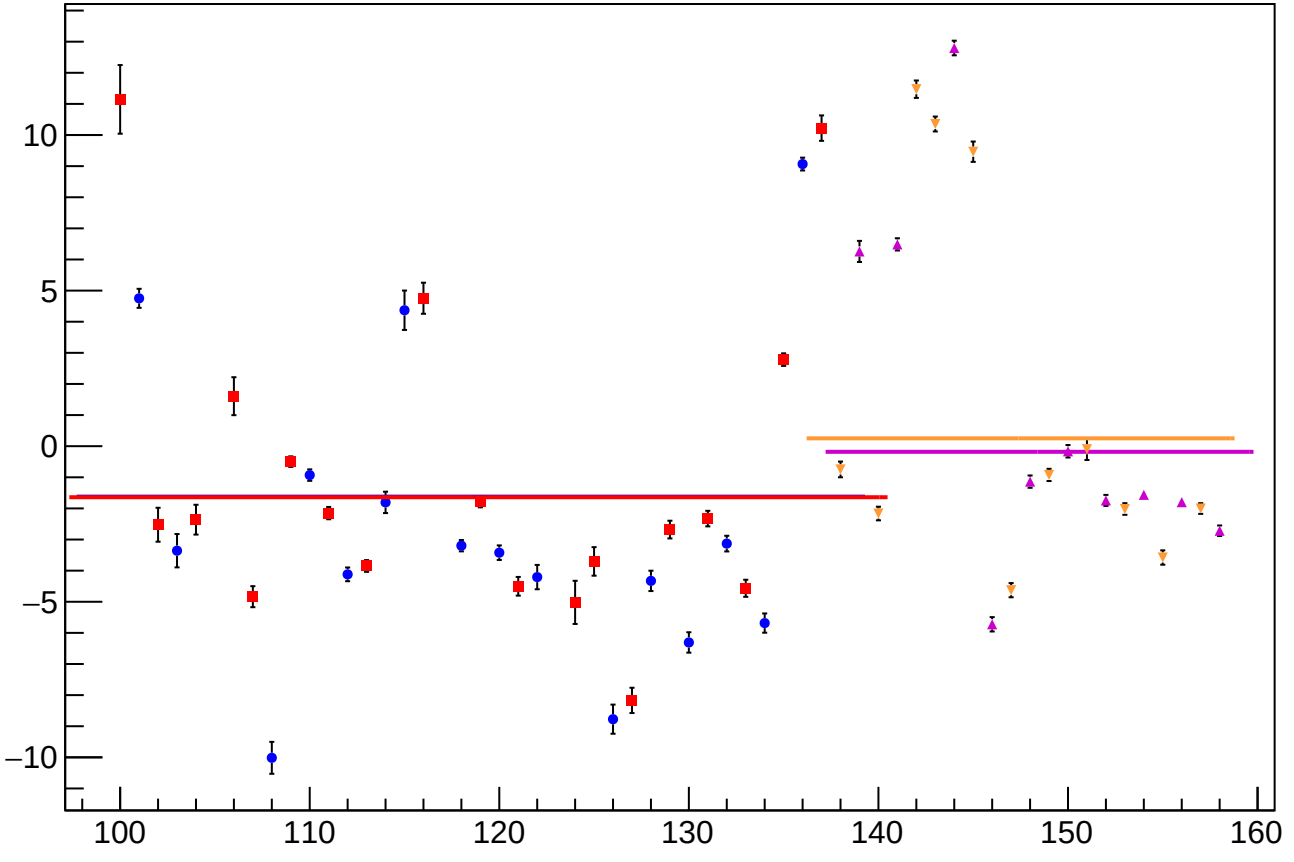
Left In: -9.640+/-0.066 χ^2/NDF:99877.0/9

+ sign -4.022+/-0.050 χ^2/NDF: 236567.2/26

All: -2.655+/-0.033 χ^2/NDF: 439778.9/55

- sign -1.608+/-0.044 χ^2/NDF: 201908.7/28

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: 0.252+/-0.069 χ^2/NDF:5404.0/10

Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

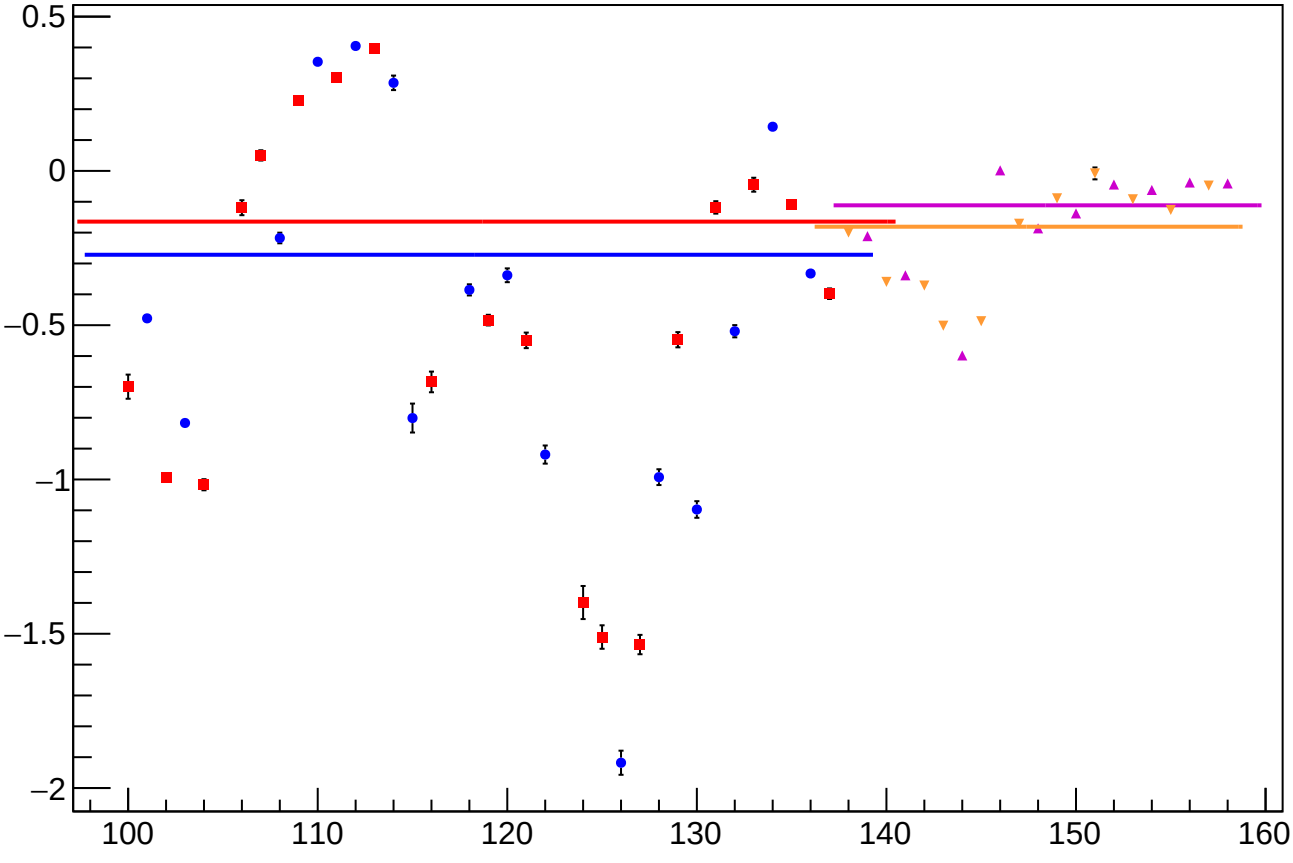
Left In: -0.181+/-0.056 χ^2/NDF:5746.9/9

+ sign -0.676+/-0.049 χ^2/NDF: 10295.0/26

All: -0.751+/-0.032 χ^2/NDF: 18800.3/55

- sign -0.806+/-0.042 χ^2/NDF: 8501.2/28

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.181+/-0.003 χ^2/NDF:2490.5/10

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

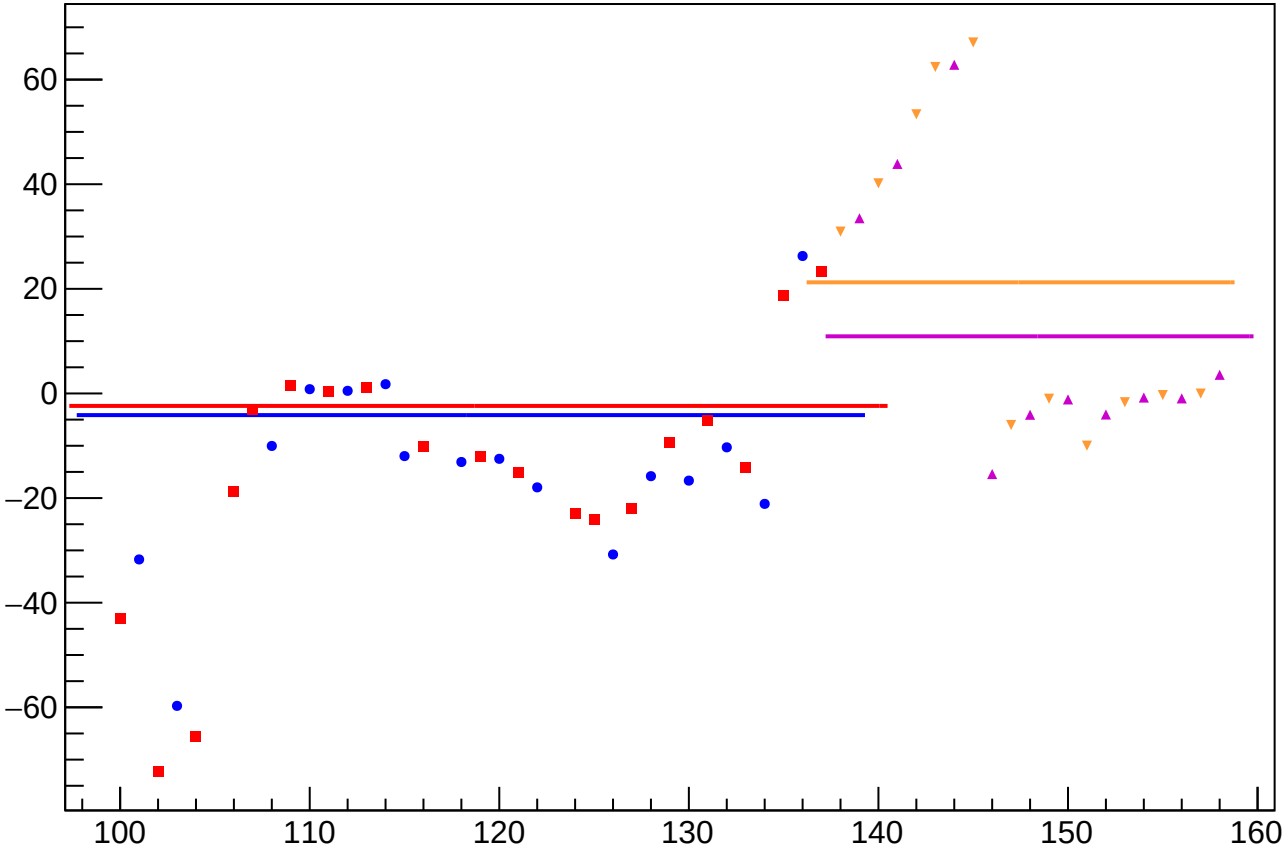
Left In: -0.112+/-0.002 χ^2/NDF:2908.3/9

+ sign -0.212+/-0.002 χ^2/NDF: 14855.2/26

All: -0.161+/-0.002 χ^2/NDF: 34144.5/55

- sign -0.126+/-0.002 χ^2/NDF: 18545.2/28

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 21.244+/-0.081 χ^2/NDF:99051.0/10

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

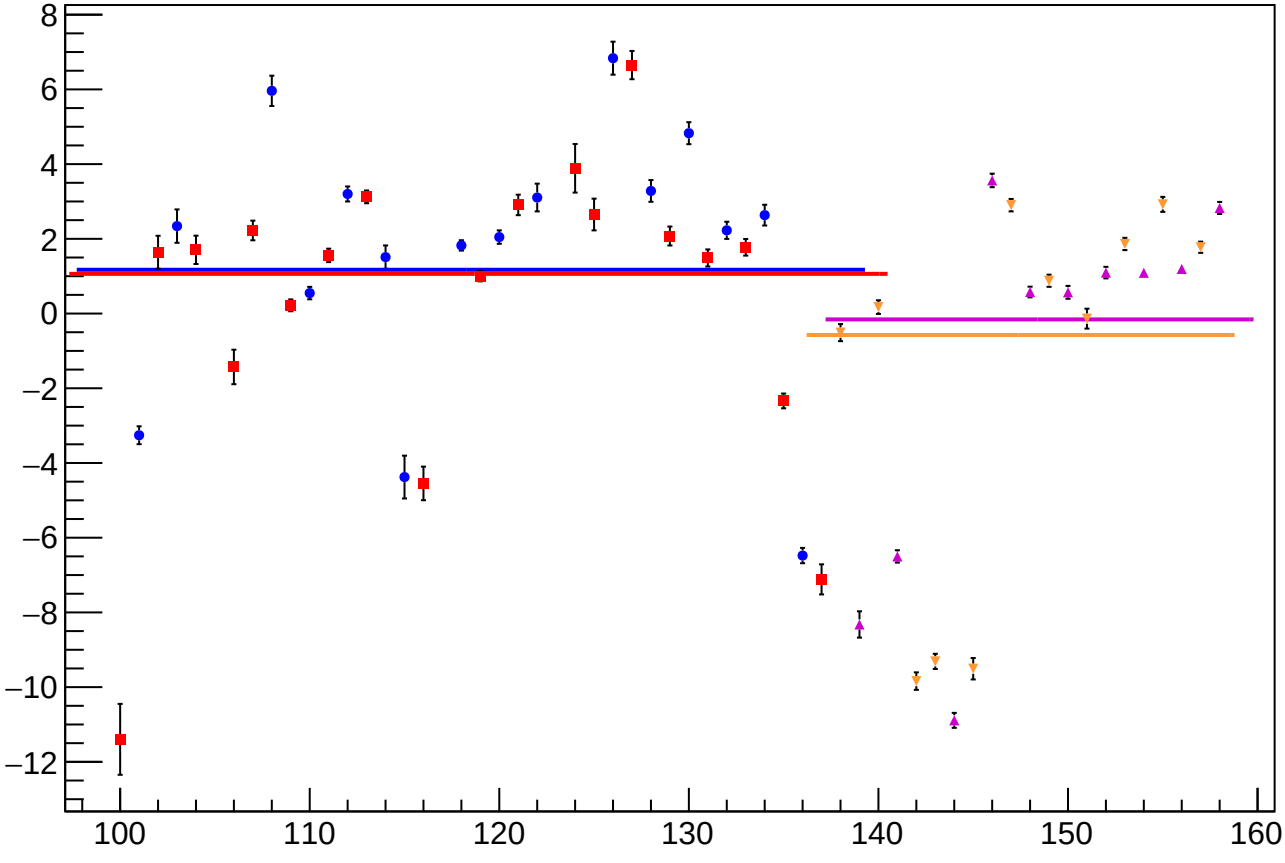
Left In: 10.922+/-0.069 χ^2/NDF:98792.6/9

\+ sign 3.754+/-0.045 χ^2/NDF: 242126.6/26

All: 2.560+/-0.029 χ^2/NDF: 448650.4/55

\- sign 1.705+/-0.038 χ^2/NDF: 205321.7/28

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: -0.574+/-0.058 χ^2/NDF:5693.1/10

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

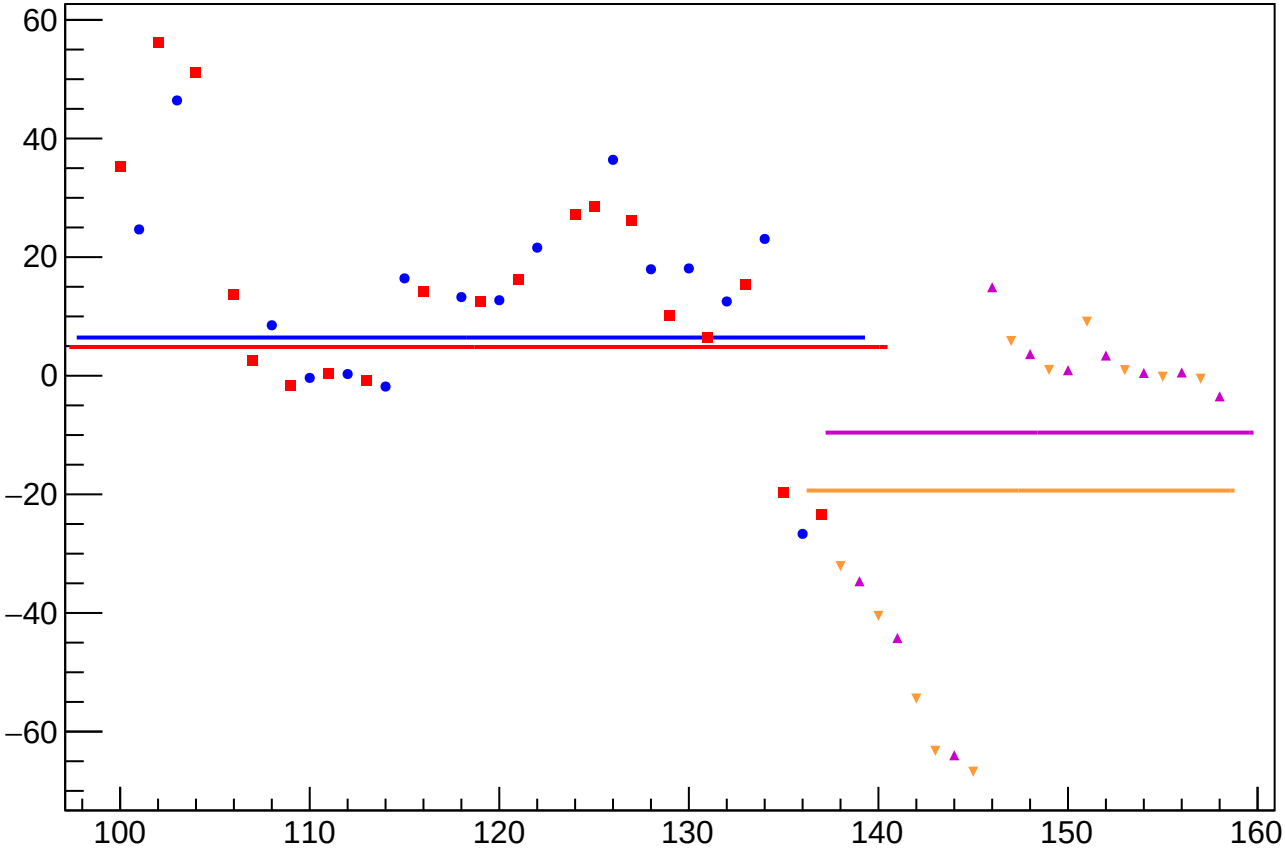
Left In: -0.157+/-0.048 χ^2/NDF:6042.2/9

+ sign 0.267+/-0.042 χ^2/NDF: 8714.8/26

All: 0.313+/-0.028 χ^2/NDF: 16624.4/55

- sign 0.349+/-0.037 χ^2/NDF: 7907.4/28

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -19.359+/-0.079 χ^2/NDF:101989.3/10

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

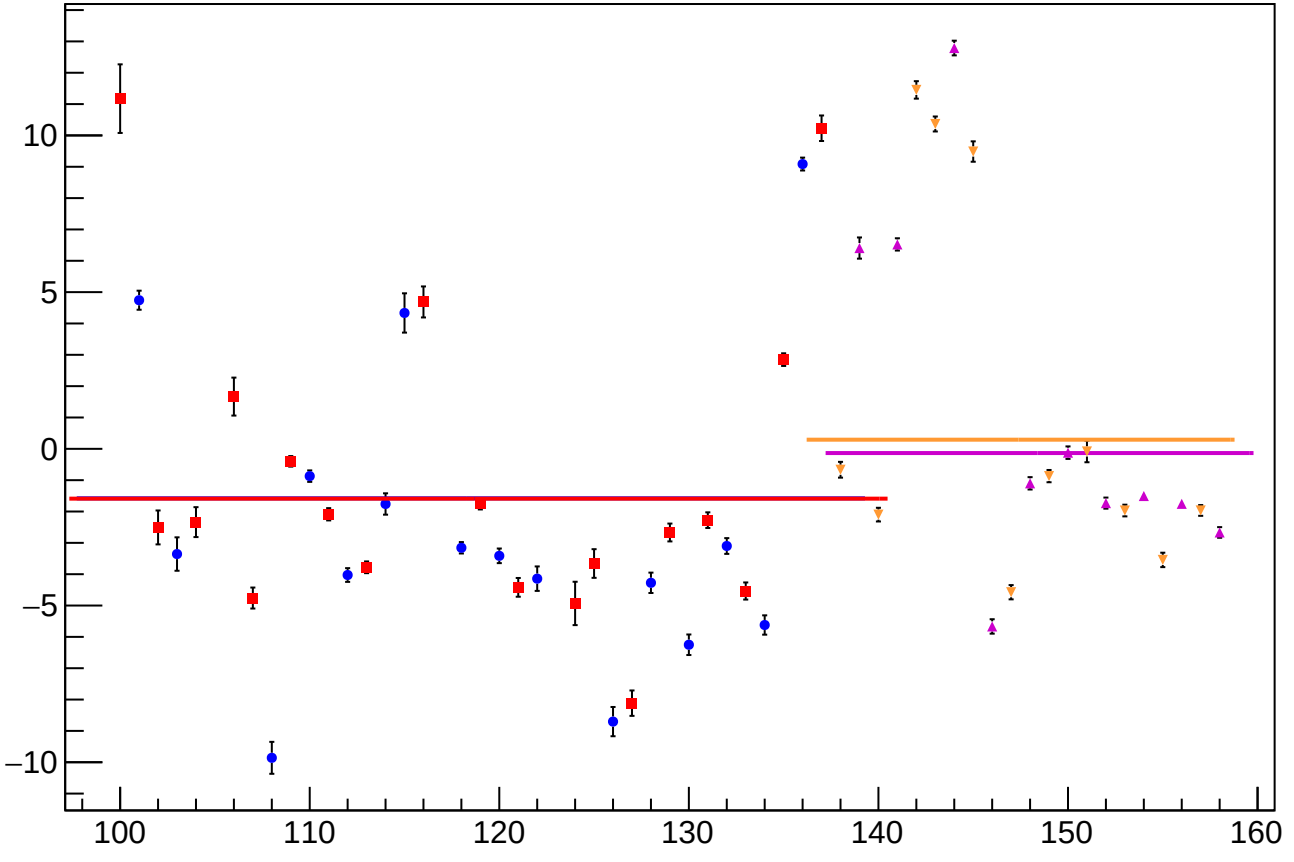
Left In: -9.586+/-0.066 χ^2/NDF:99824.9/9

+ sign -3.962+/-0.050 χ^2/NDF: 236443.9/26

All: -2.605+/-0.033 χ^2/NDF: 439483.1/55

- sign -1.566+/-0.044 χ^2/NDF: 201743.6/28

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: 0.292+/-0.069 χ^2/NDF:5404.3/10

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

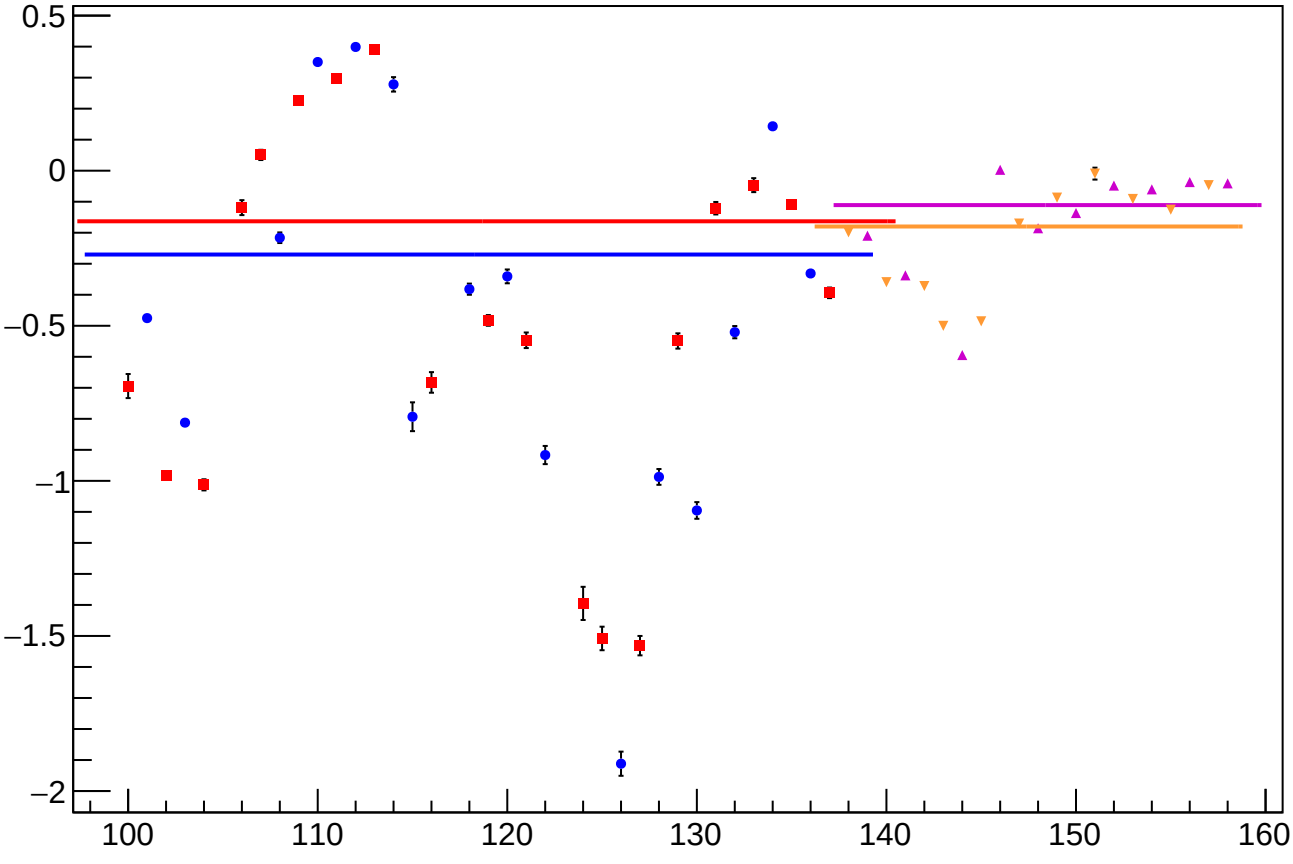
Left In: -0.135+/-0.056 χ^2/NDF:5764.1/9

+ sign -0.637+/-0.049 χ^2/NDF: 10297.0/26

All: -0.707+/-0.032 χ^2/NDF: 18829.4/55

- sign -0.760+/-0.042 χ^2/NDF: 8528.7/28

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.180+/-0.003 χ^2/NDF:2507.6/10

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

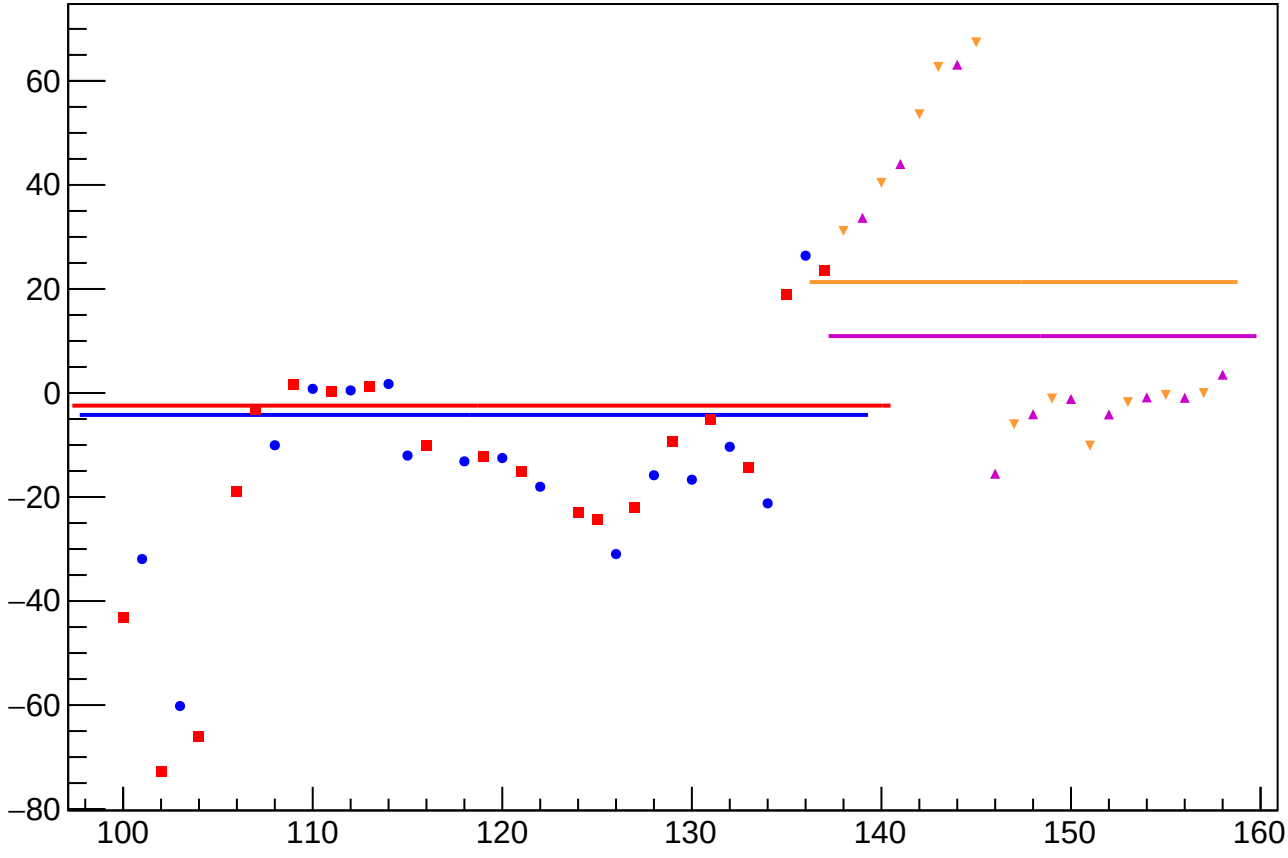
Left In: -0.111+/-0.002 χ^2/NDF:2894.5/9

+ sign -0.211+/-0.002 χ^2/NDF: 14859.5/26

All: -0.160+/-0.002 χ^2/NDF: 34146.5/55

- sign -0.125+/-0.002 χ^2/NDF: 18542.6/28

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 21.333+/-0.081 χ^2/NDF:99295.3/10

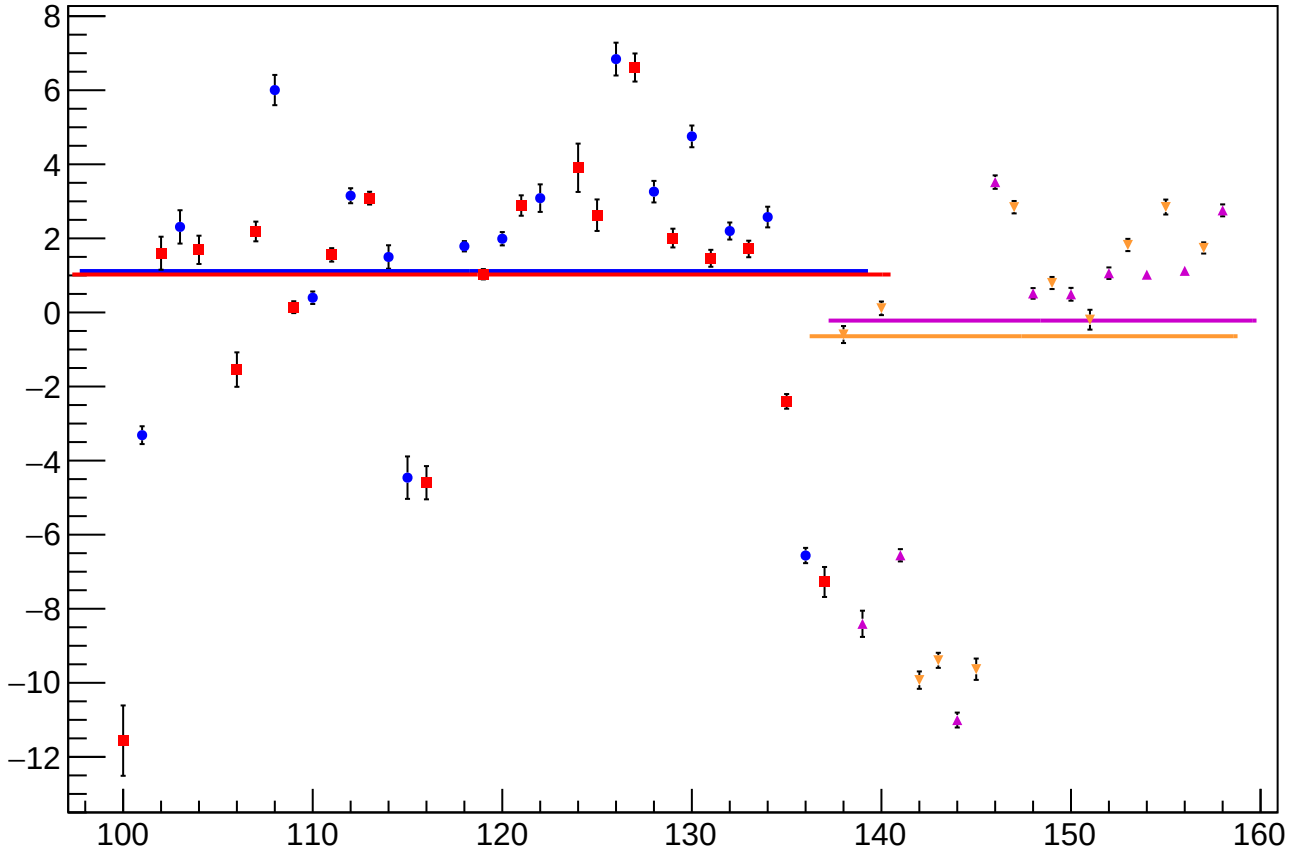
Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

Left In: 10.939+/-0.069 χ^2/NDF:98936.2/9

+ sign 3.754+/-0.045 χ^2/NDF: 242524.2/26

All: 2.557+/-0.029 χ^2/NDF: 449247.2/55

- sign 1.700+/-0.038 χ^2/NDF: 205528.8/28



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: -0.642+/-0.058 χ^2/NDF:5684.9/10

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

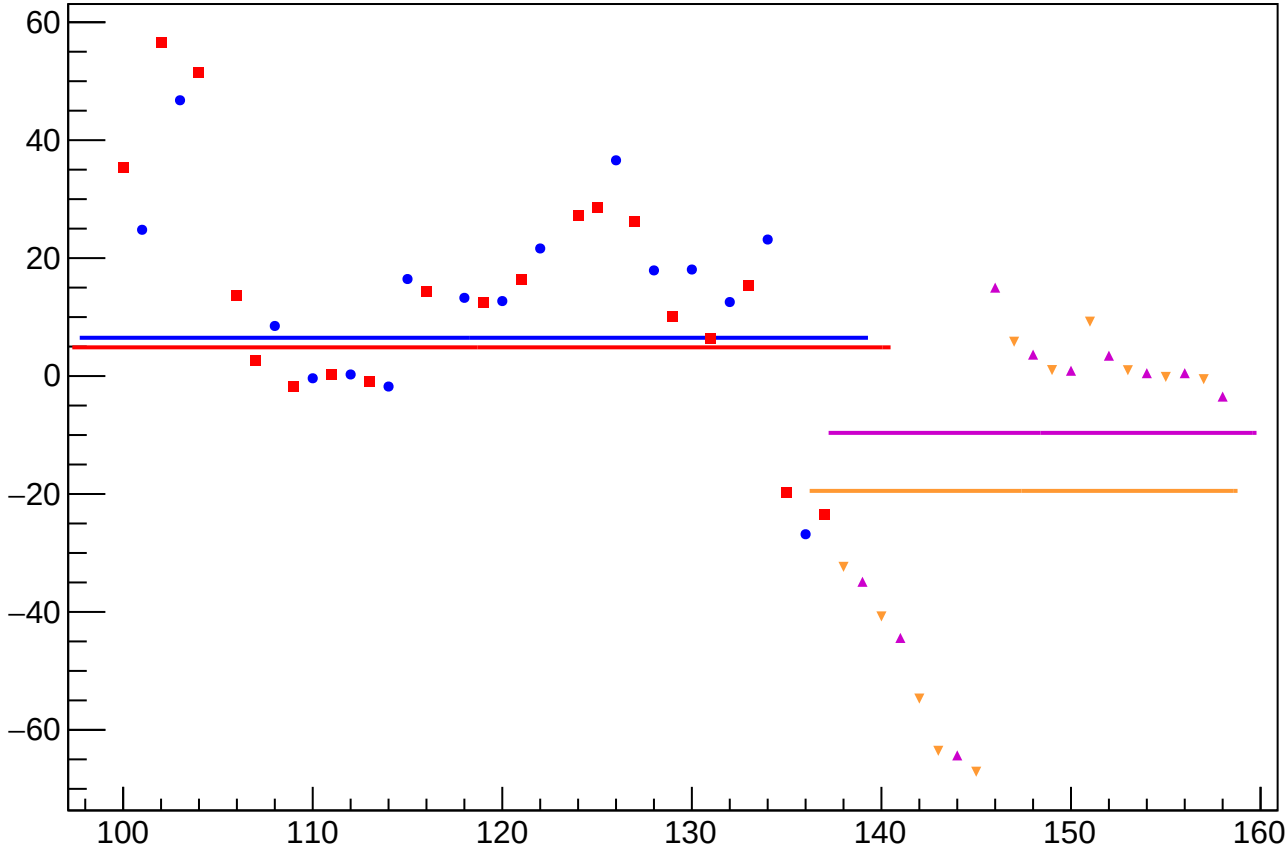
Left In: -0.220+/-0.048 χ^2/NDF:6022.3/9

+ sign 0.206+/-0.042 χ^2/NDF: 8716.7/26

All: 0.256+/-0.028 χ^2/NDF: 16630.7/55

- sign 0.295+/-0.037 χ^2/NDF: 7911.4/28

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -19.472+/-0.079 χ^2/NDF:102254.9/10

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

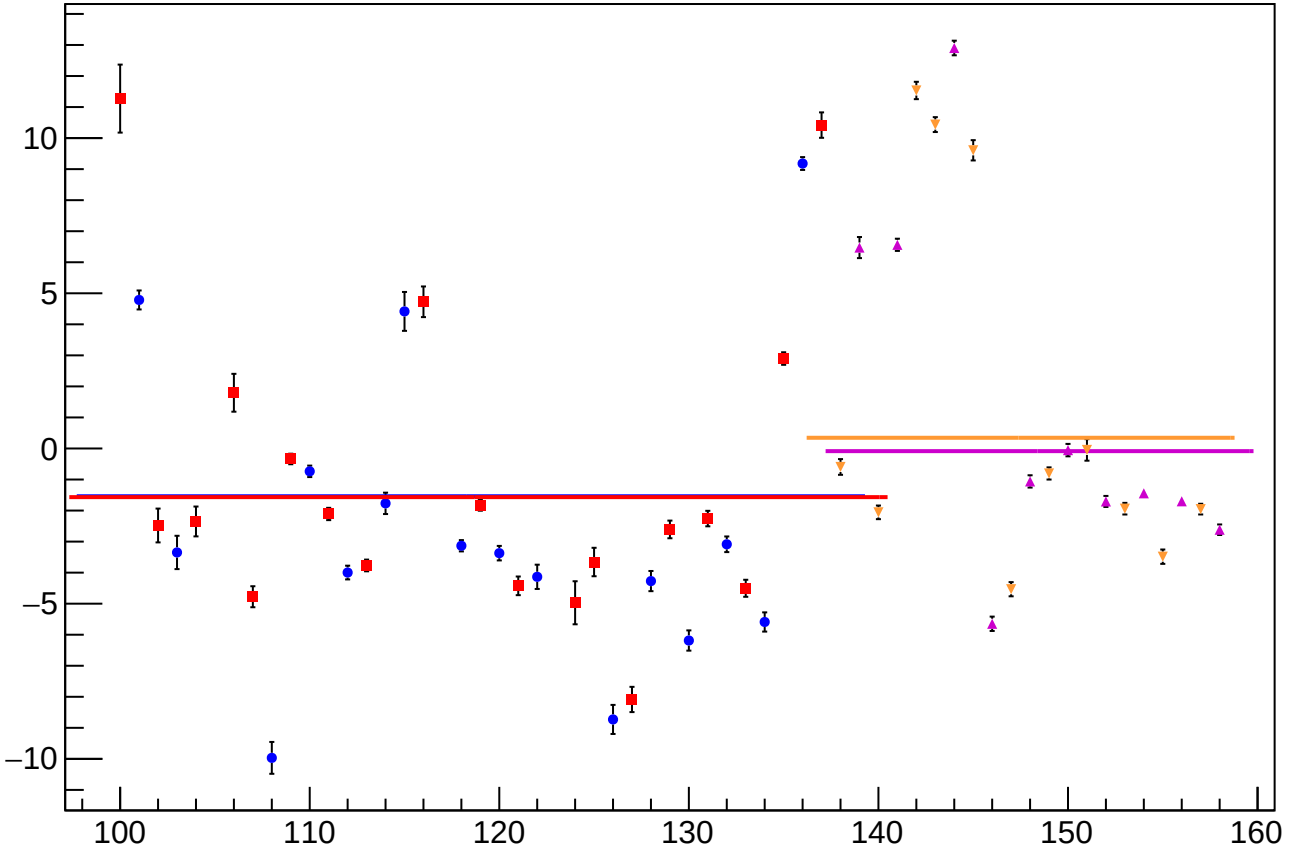
Left In: -9.635+/-0.066 χ^2/NDF:99971.5/9

+ sign -3.994+/-0.050 χ^2/NDF: 236874.1/26

All: -2.636+/-0.033 χ^2/NDF: 440156.2/55

- sign -1.597+/-0.044 χ^2/NDF: 201998.9/28

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: 0.345+/-0.069 χ^2/NDF:5398.4/10

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

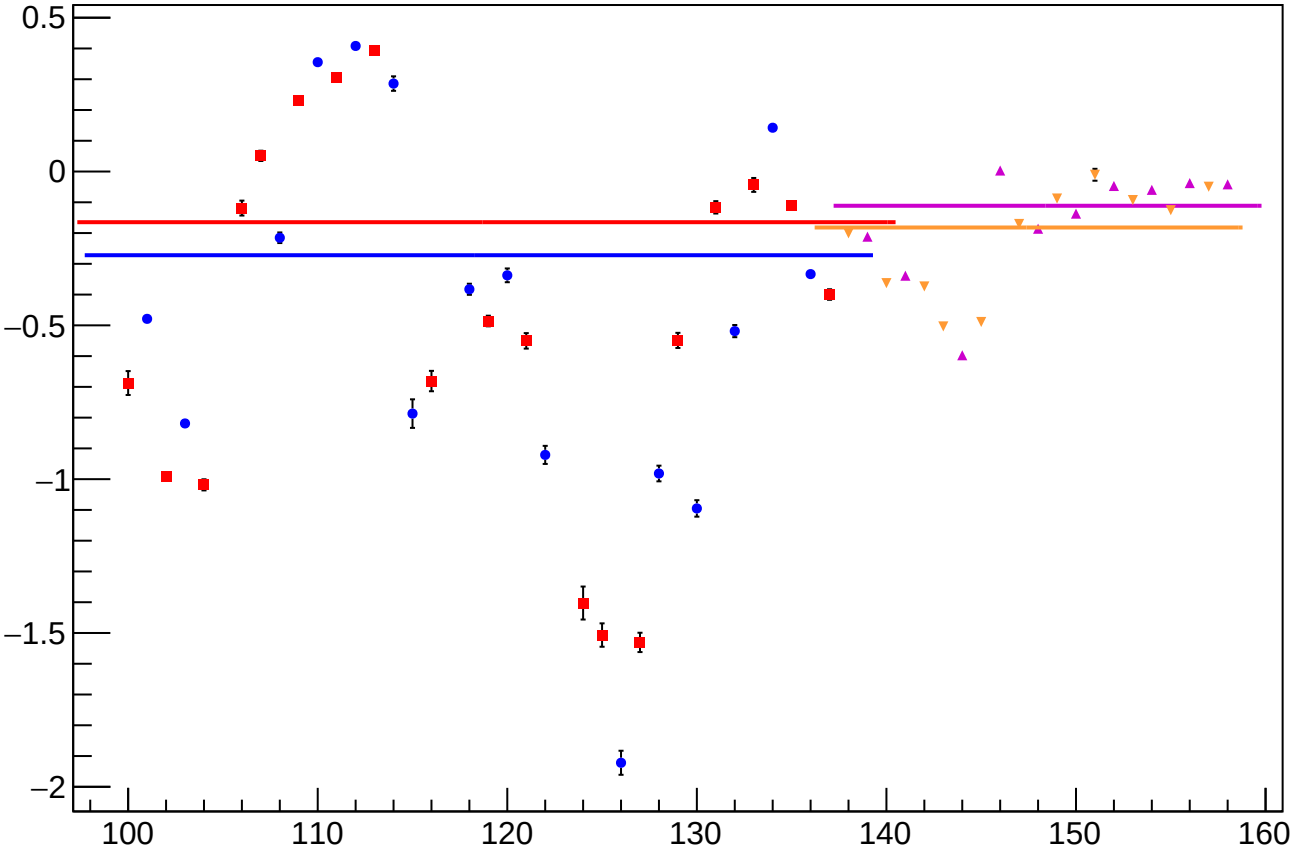
Left In: -0.086+/-0.056 χ^2/NDF:5751.2/9

+ sign -0.589+/-0.049 χ^2/NDF: 10304.4/26

All: -0.665+/-0.032 χ^2/NDF: 18857.4/55

- sign -0.721+/-0.042 χ^2/NDF: 8548.9/28

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: -0.272+/-0.004 χ^2/NDF: 12063.6/15

Left Out: -0.182+/-0.003 χ^2/NDF:2503.2/10

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

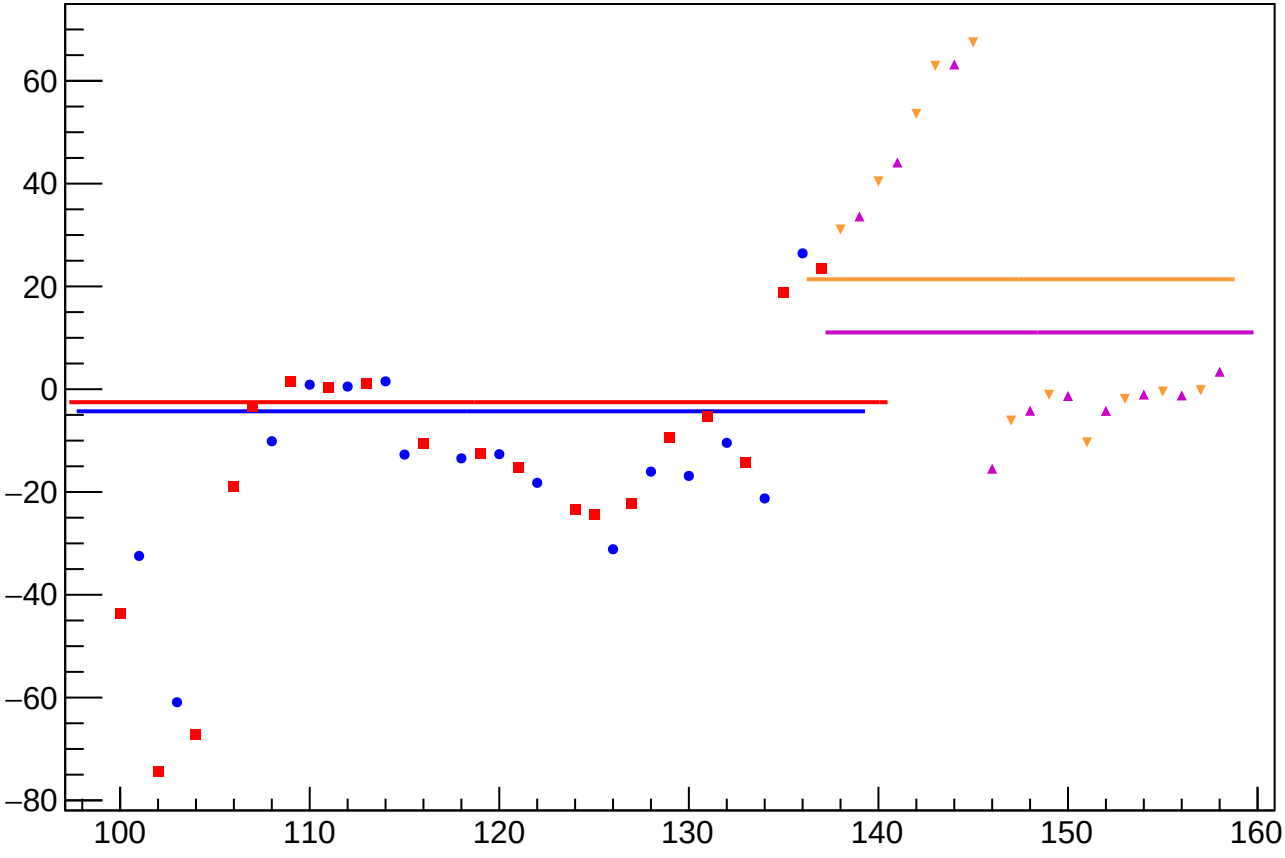
Left In: -0.111+/-0.002 χ^2/NDF:2900.6/9

+ sign -0.212+/-0.002 χ^2/NDF: 14877.5/26

All: -0.161+/-0.002 χ^2/NDF: 34170.5/55

- sign -0.126+/-0.002 χ^2/NDF: 18534.0/28

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 21.391+/-0.082 χ^2/NDF:97864.8/10

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

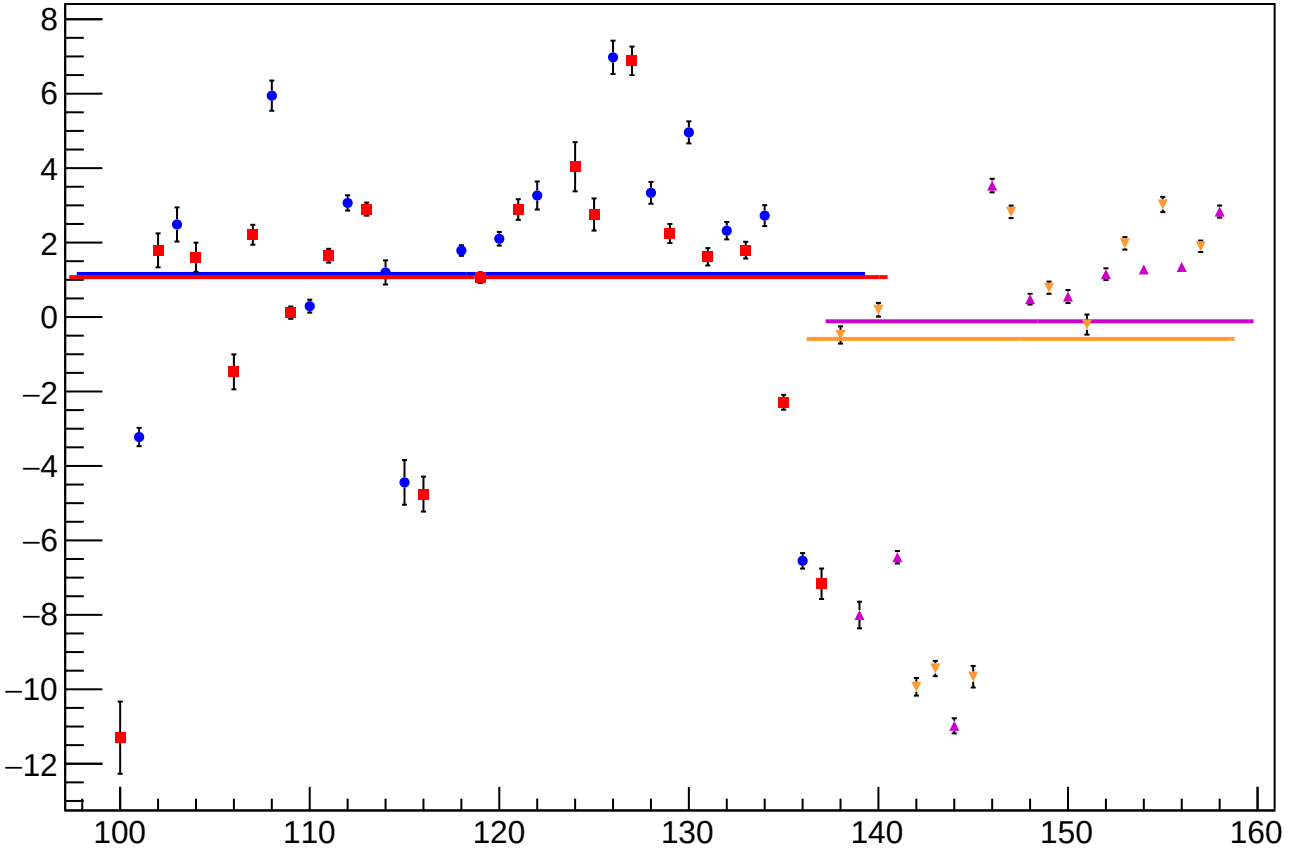
Left In: 11.046+/-0.070 χ^2/NDF:97207.6/9

+ sign 3.795+/-0.046 χ^2/NDF: 238992.4/26

All: 2.569+/-0.030 χ^2/NDF: 442888.6/55

- sign 1.681+/-0.039 χ^2/NDF: 202677.3/28

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: -0.587+/-0.059 χ^2/NDF:5687.8/10

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

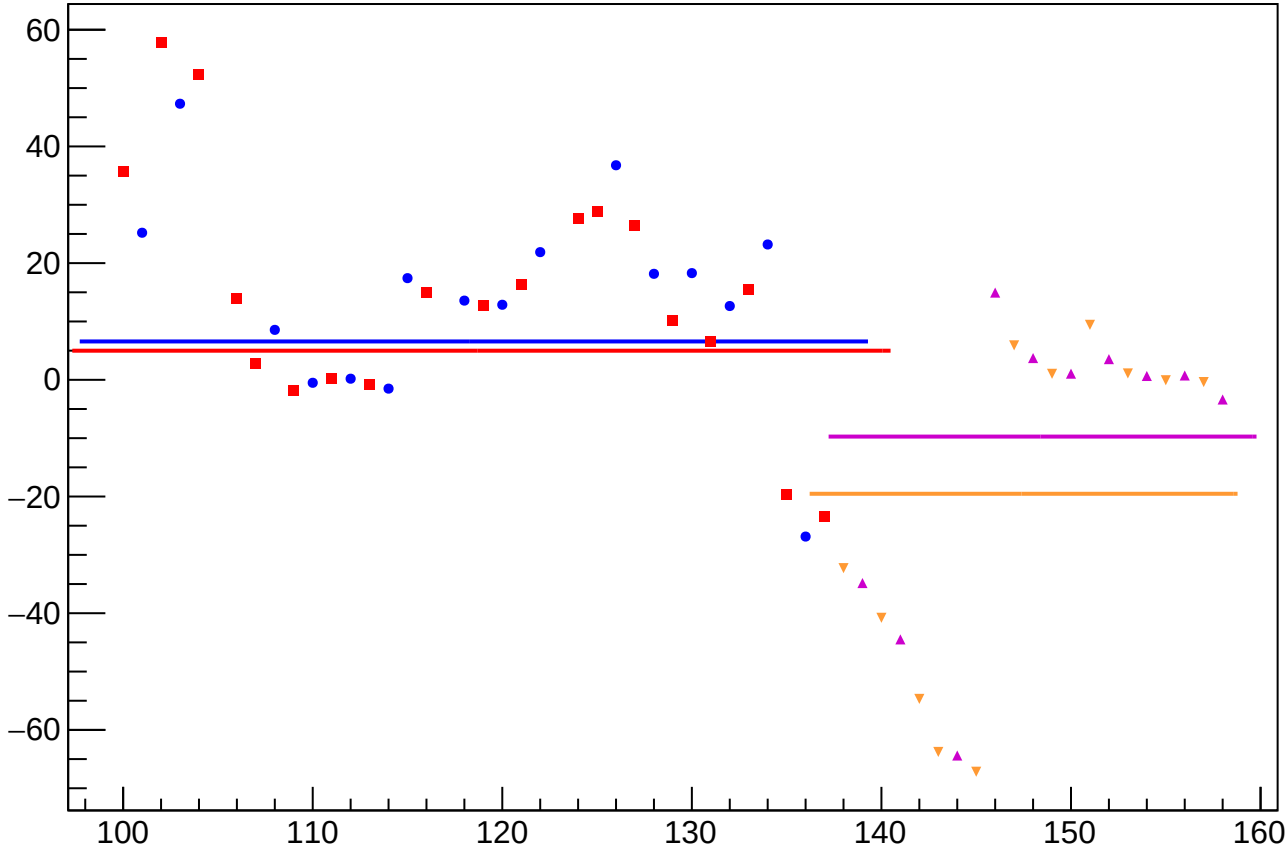
Left In: -0.115+/-0.049 χ^2/NDF:5922.3/9

+ sign 0.247+/-0.043 χ^2/NDF: 8657.6/26

All: 0.320+/-0.028 χ^2/NDF: 16379.0/55

- sign 0.377+/-0.038 χ^2/NDF: 7716.2/28

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -19.530+/-0.080 χ^2/NDF:100754.7/10

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

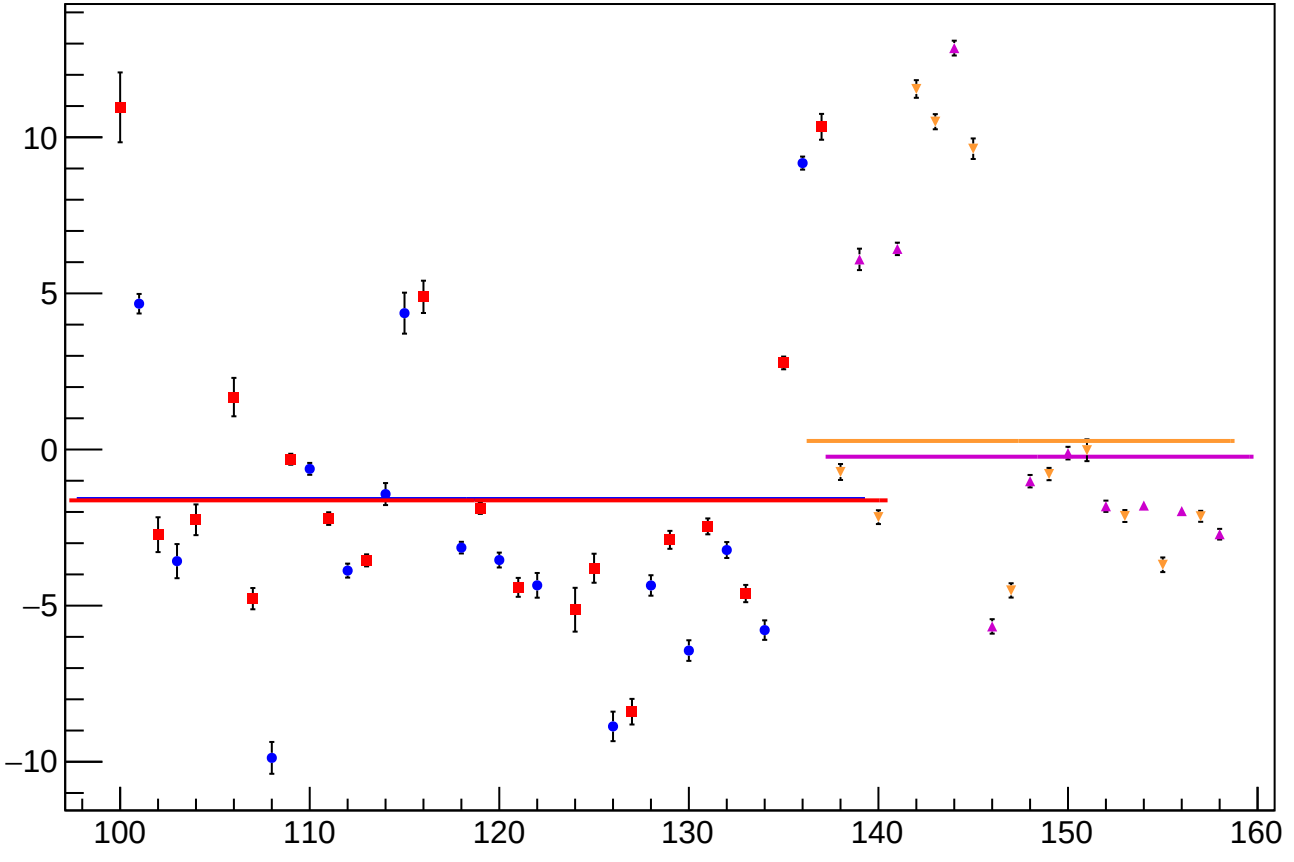
Left In: -9.727+/-0.067 χ^2/NDF:98240.3/9

+ sign -4.043+/-0.051 χ^2/NDF: 233387.2/26

All: -2.648+/-0.034 χ^2/NDF: 433863.6/55

- sign -1.569+/-0.045 χ^2/NDF: 199157.5/28

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: 0.274+/-0.070 χ^2/NDF:5411.0/10

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

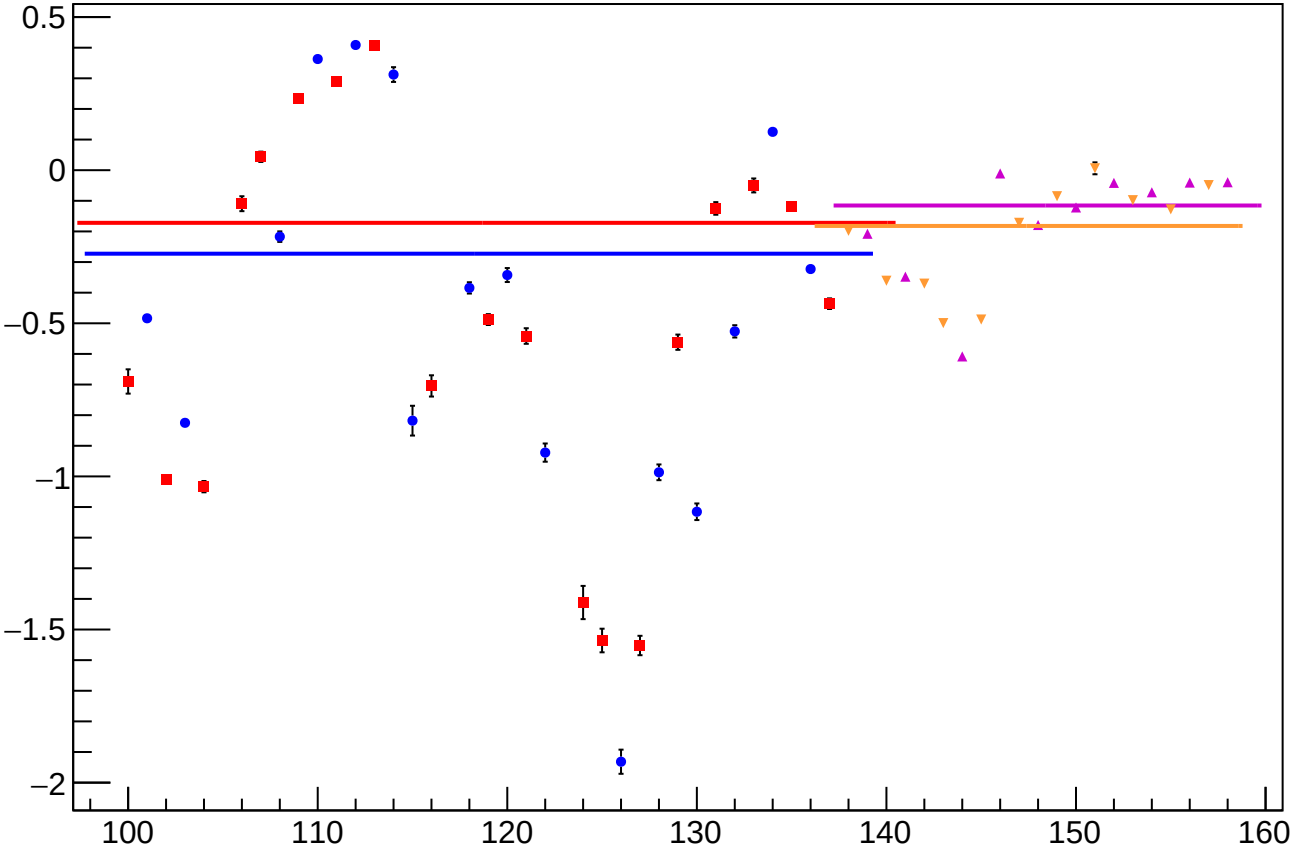
Left In: -0.230+/-0.057 χ^2/NDF:5673.2/9

+ sign -0.642+/-0.050 χ^2/NDF: 10233.7/26

All: -0.750+/-0.033 χ^2/NDF: 18594.5/55

- sign -0.830+/-0.043 χ^2/NDF: 8352.7/28

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: -0.273+/-0.004 χ^2/NDF: 11856.3/15

Left Out: -0.182+/-0.003 χ^2/NDF:2417.9/10

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

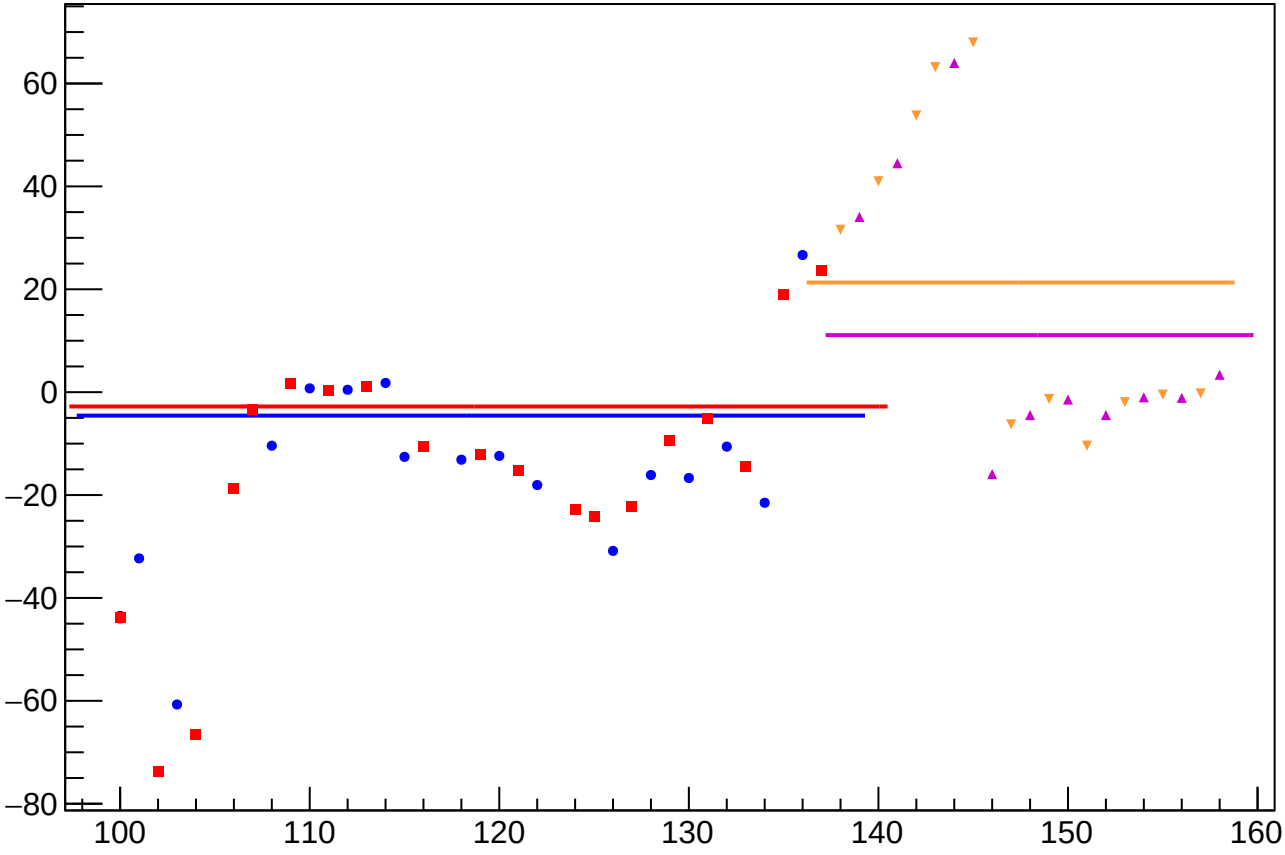
Left In: -0.115+/-0.002 χ^2/NDF:2850.4/9

+ sign -0.213+/-0.002 χ^2/NDF: 14579.3/26

All: -0.164+/-0.002 χ^2/NDF: 33560.4/55

- sign -0.131+/-0.002 χ^2/NDF: 18327.2/28

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 21.317+/-0.083 χ^2/NDF:97215.2/10

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

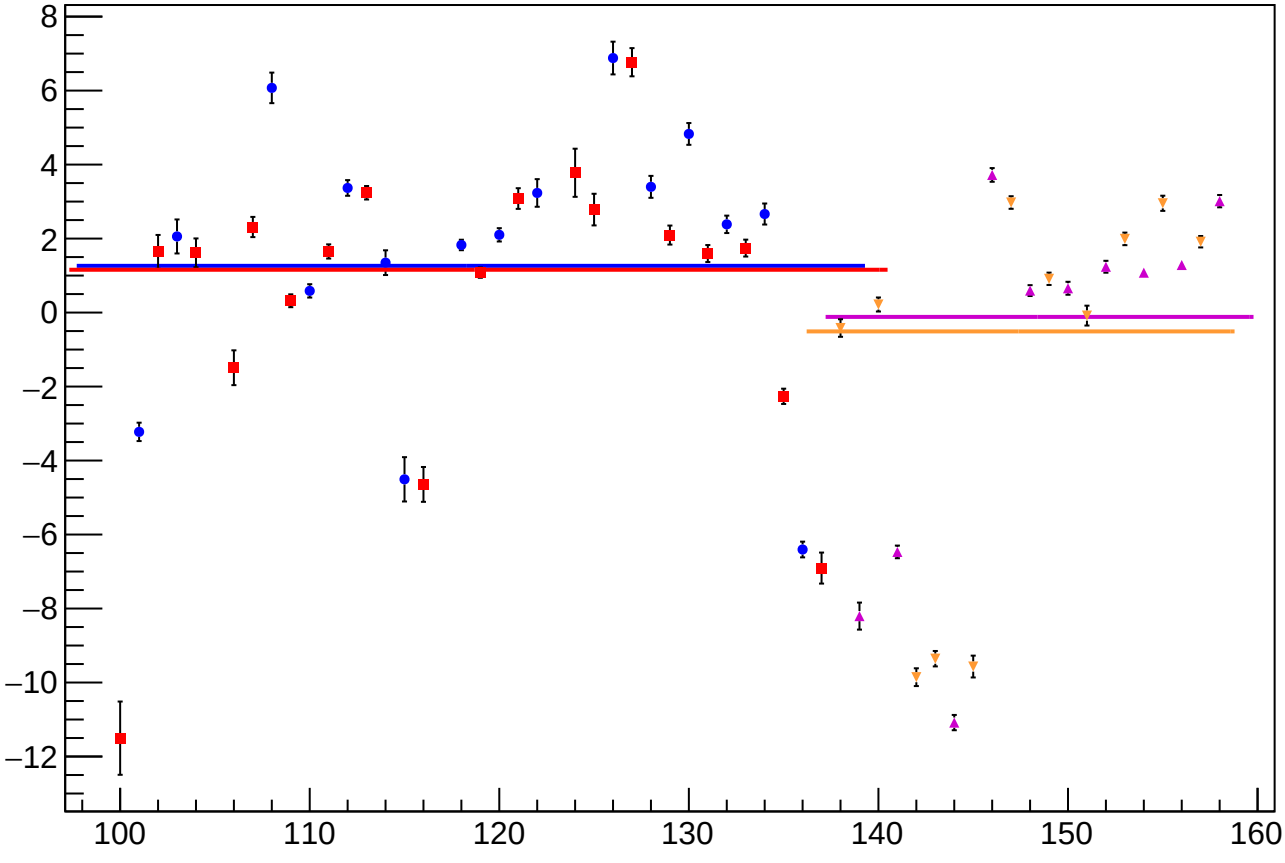
Left In: 11.094+/-0.072 χ^2/NDF:96157.2/9

+ sign 3.651+/-0.047 χ^2/NDF: 235673.1/26

All: 2.452+/-0.031 χ^2/NDF: 436529.8/55

- sign 1.573+/-0.040 χ^2/NDF: 199725.6/28

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: -0.509+/-0.060 χ^2/NDF:5512.1/10

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

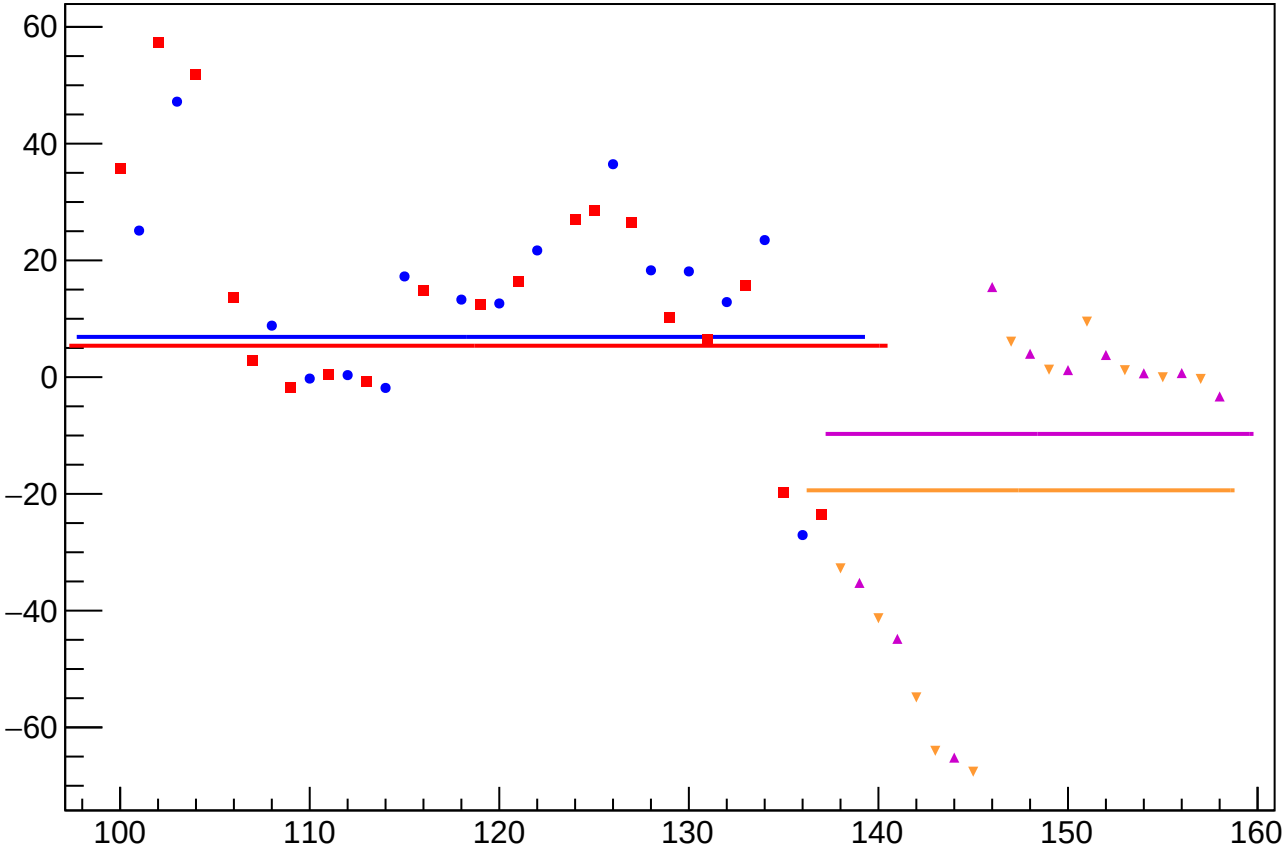
Left In: -0.117+/-0.050 χ^2/NDF:5835.9/9

+ sign 0.341+/-0.043 χ^2/NDF: 8380.7/26

All: 0.381+/-0.029 χ^2/NDF: 15980.1/55

- sign 0.413+/-0.038 χ^2/NDF: 7597.8/28

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -19.389+/-0.081 χ^2/NDF:99960.1/10

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

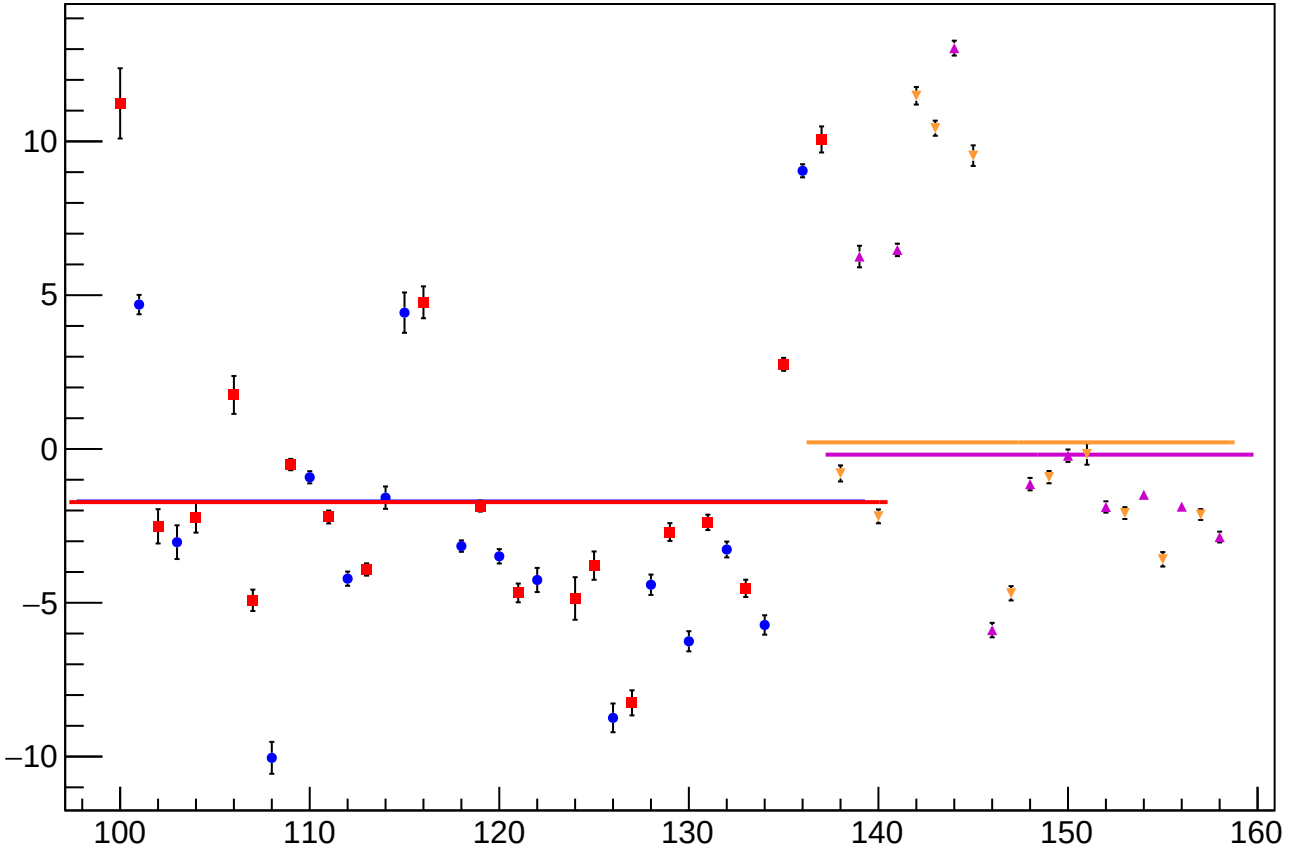
Left In: -9.725+/-0.069 χ^2/NDF:97142.2/9

+ sign -3.816+/-0.052 χ^2/NDF: 230046.8/26

All: -2.447+/-0.034 χ^2/NDF: 427484.1/55

- sign -1.375+/-0.046 χ^2/NDF: 196194.4/28

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: 0.215+/-0.071 χ^2/NDF:5240.7/10

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

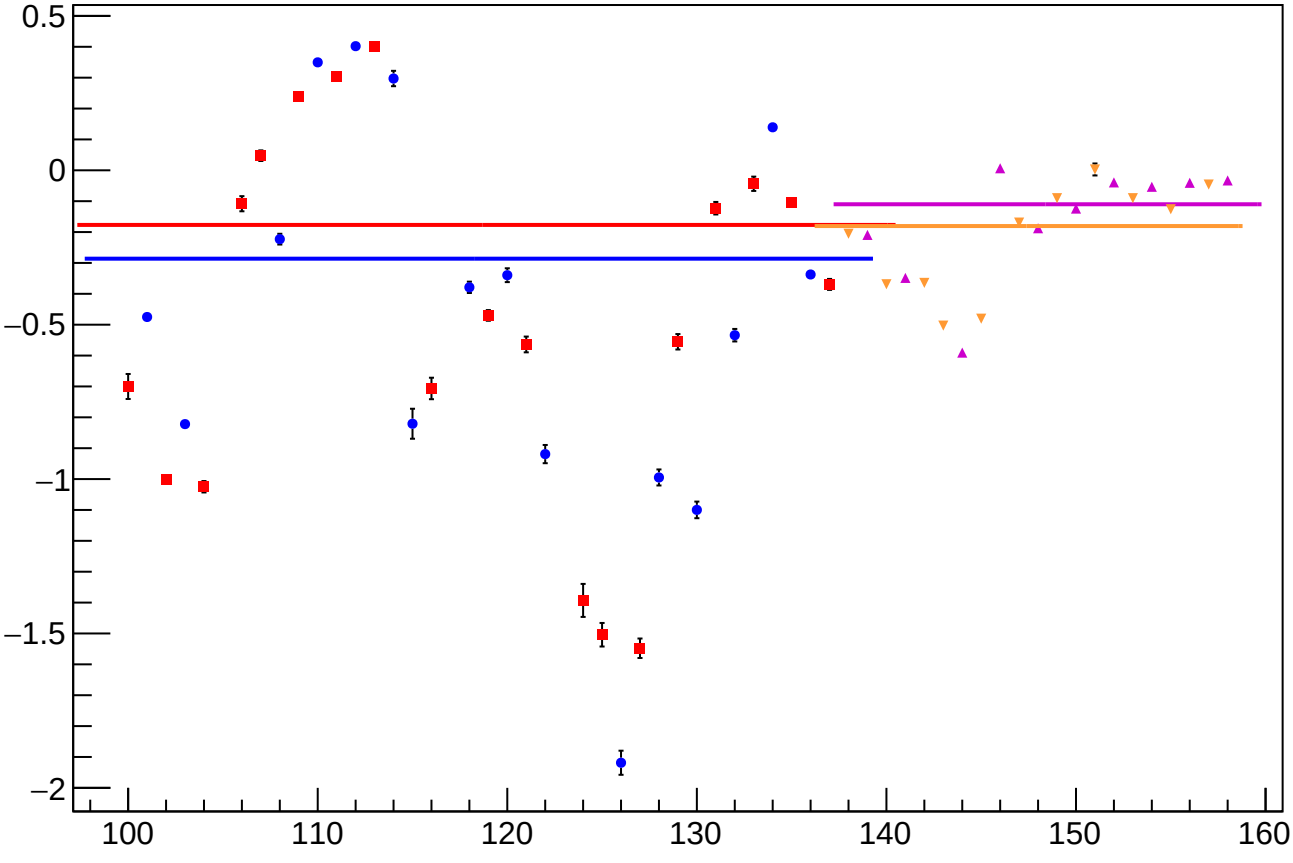
Left In: -0.184+/-0.058 χ^2/NDF:5590.2/9

+ sign -0.733+/-0.050 χ^2/NDF: 9896.3/26

All: -0.799+/-0.033 χ^2/NDF: 18102.5/55

- sign -0.849+/-0.044 χ^2/NDF: 8203.2/28

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.181+/-0.003 χ^2/NDF:2404.0/10

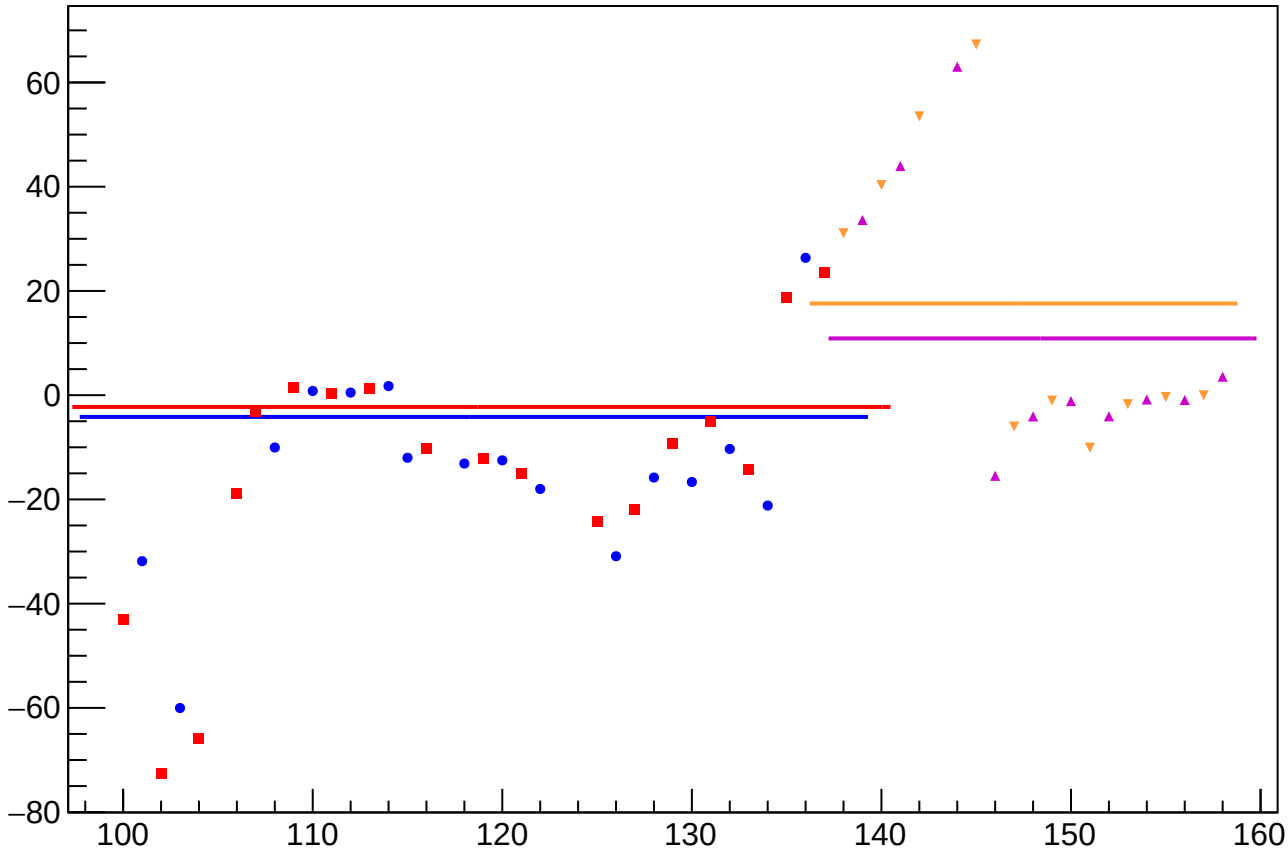
Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.110+/-0.002 χ^2/NDF:2775.1/9

+ sign -0.216+/-0.002 χ^2/NDF: 14169.1/26

All: -0.165+/-0.002 χ^2/NDF: 32651.4/55

- sign -0.129+/-0.002 χ^2/NDF: 17750.5/28



Right In: -4.173+/-0.054 χ^2/NDF: 75394.5/15

Left Out: 17.589+/-0.085 χ^2/NDF:76218.9/9

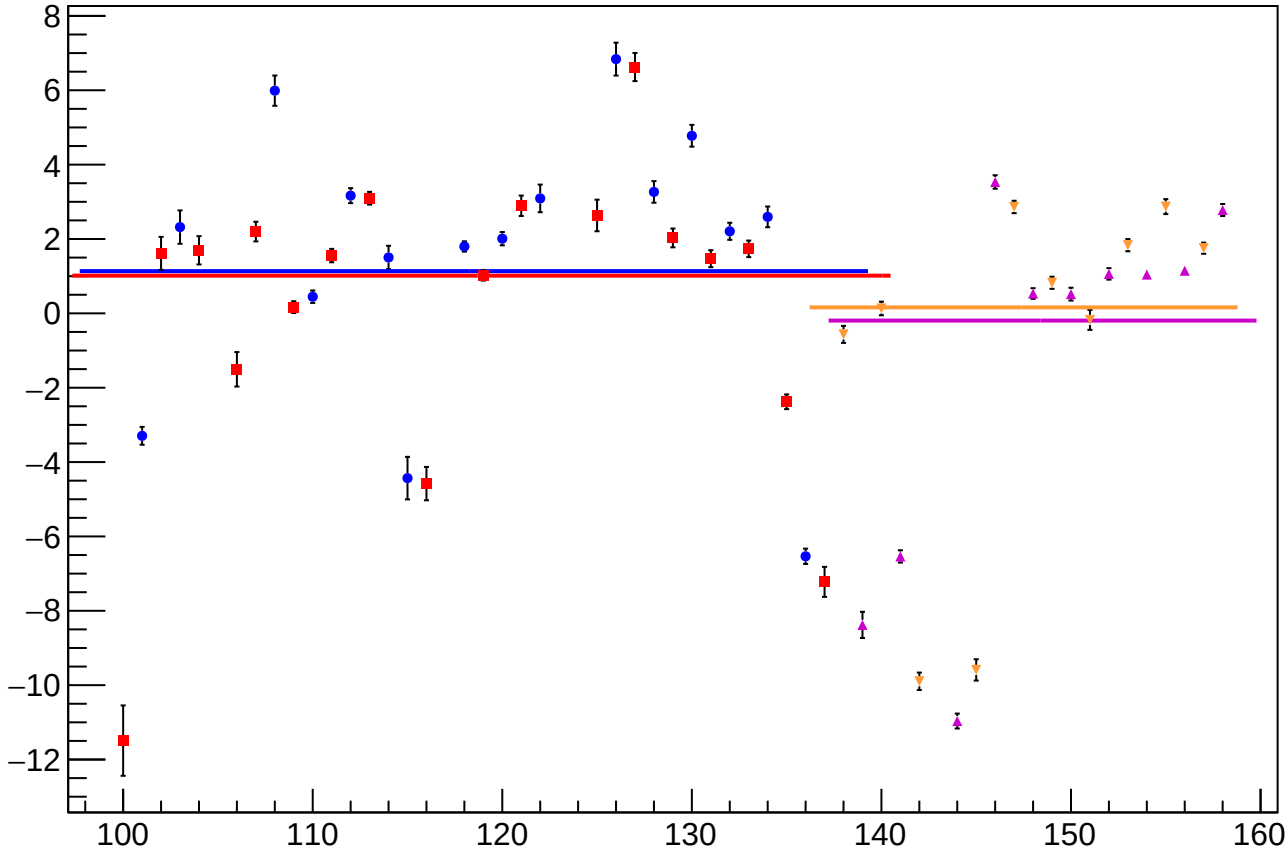
Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 10.886+/-0.069 χ^2/NDF:99195.2/9

+ sign 2.207+/-0.046 χ^2/NDF: 198443.7/25

All: 1.971+/-0.029 χ^2/NDF: 402534.7/53

- sign 1.806+/-0.038 χ^2/NDF: 204045.8/27



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/15

Left Out: 0.161+/-0.061 χ^2/NDF:3679.5/9

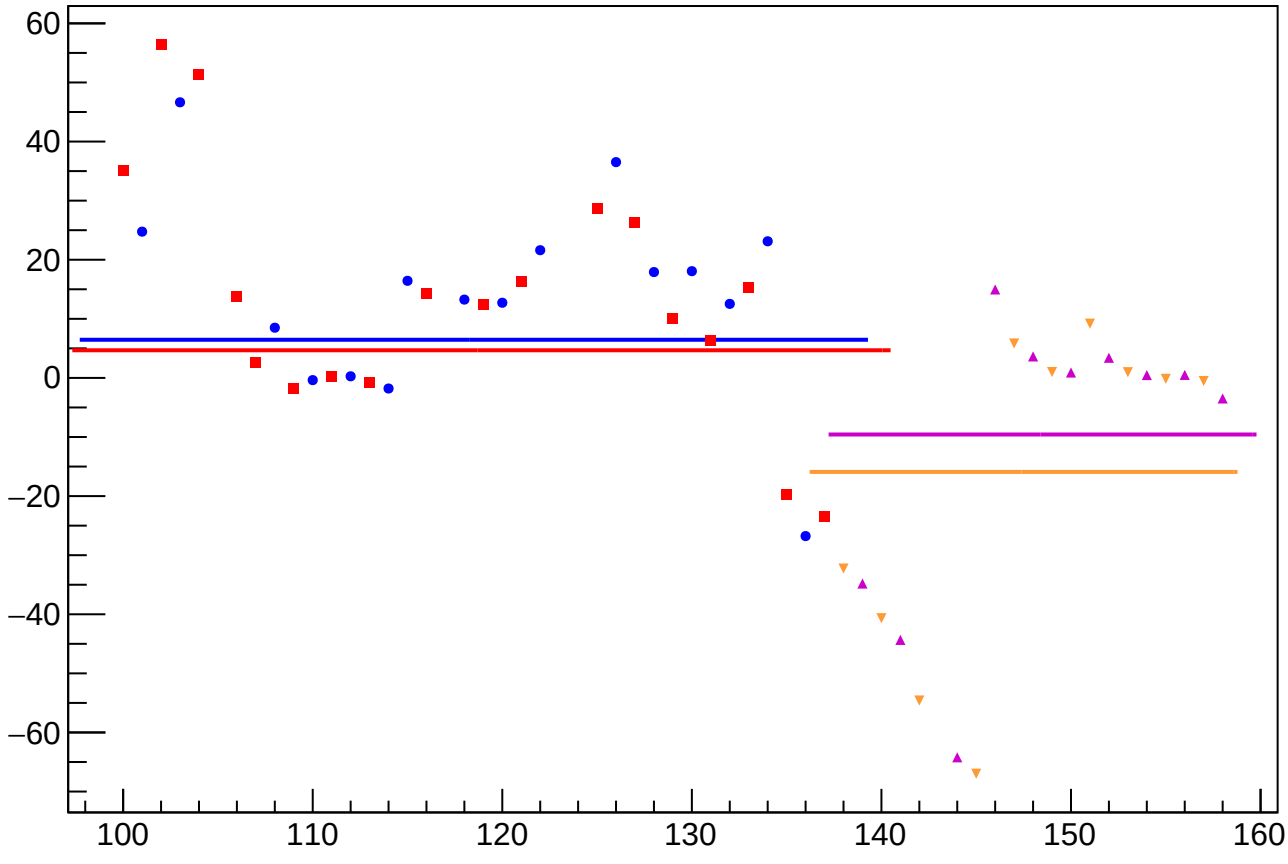
Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: -0.194+/-0.048 χ^2/NDF:6042.7/9

+ sign 0.651+/-0.043 χ^2/NDF: 6405.4/25

All: 0.451+/-0.028 χ^2/NDF: 14341.9/53

- sign 0.303+/-0.037 χ^2/NDF: 7898.3/27



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -15.906+/-0.082 χ^2/NDF:77672.6/9

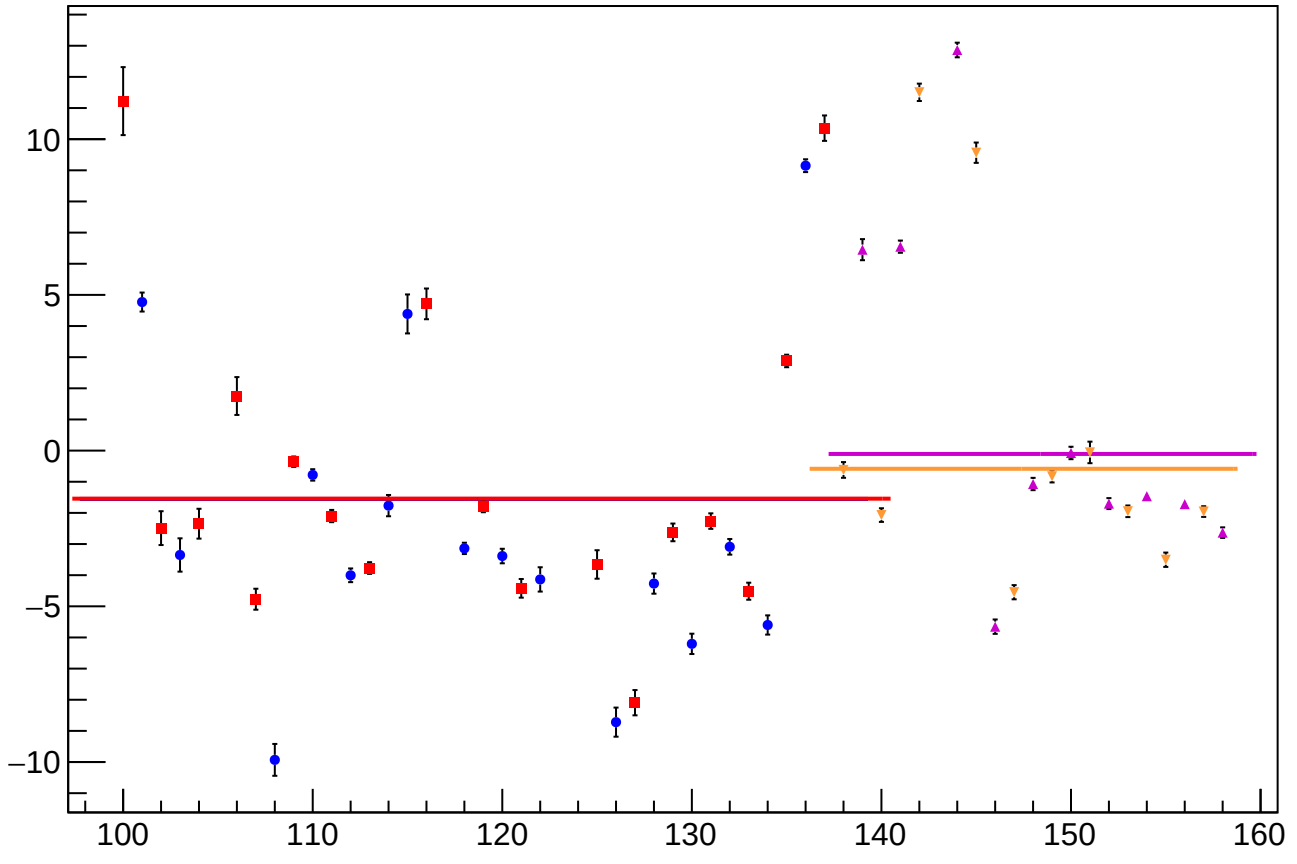
Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -9.576+/-0.066 χ^2/NDF:100216.0/9

\+ sign -2.156+/-0.051 χ^2/NDF: 194115.3/25

All: -1.892+/-0.033 χ^2/NDF: 394806.2/53

\- sign -1.696+/-0.044 χ^2/NDF: 200644.2/27



Right In: -1.552+/-0.069 χ^2/NDF: 4543.6/15

Left Out: -0.583+/-0.072 χ^2/NDF:3474.8/9

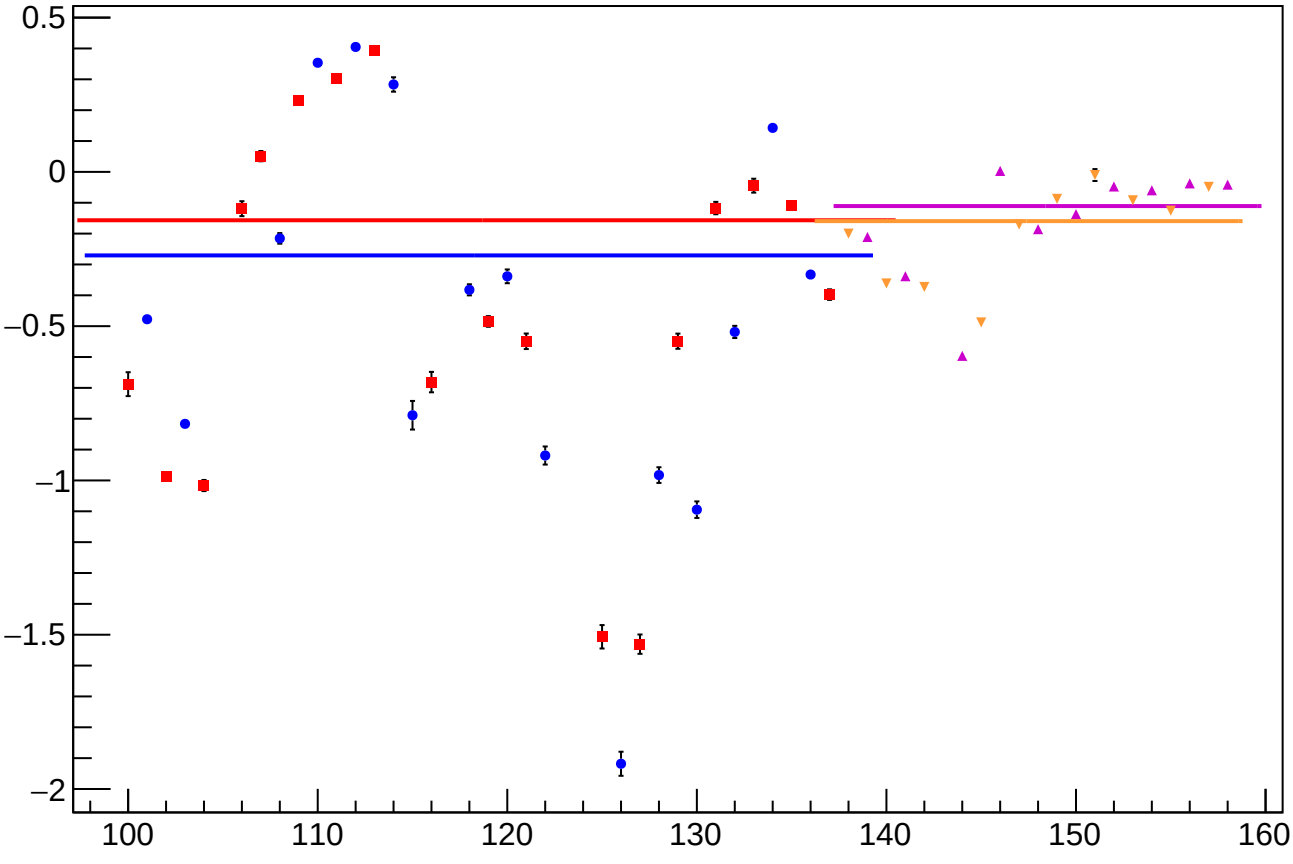
Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: -0.107+/-0.056 χ^2/NDF:5768.3/9

+ sign -1.085+/-0.050 χ^2/NDF: 8112.6/25

All: -0.872+/-0.032 χ^2/NDF: 16668.7/53

- sign -0.720+/-0.042 χ^2/NDF: 8524.9/27



Right In: -0.271+/-0.004 χ^2/NDF: 12096.1/15

Left Out: -0.160+/-0.003 χ^2/NDF:1725.9/9

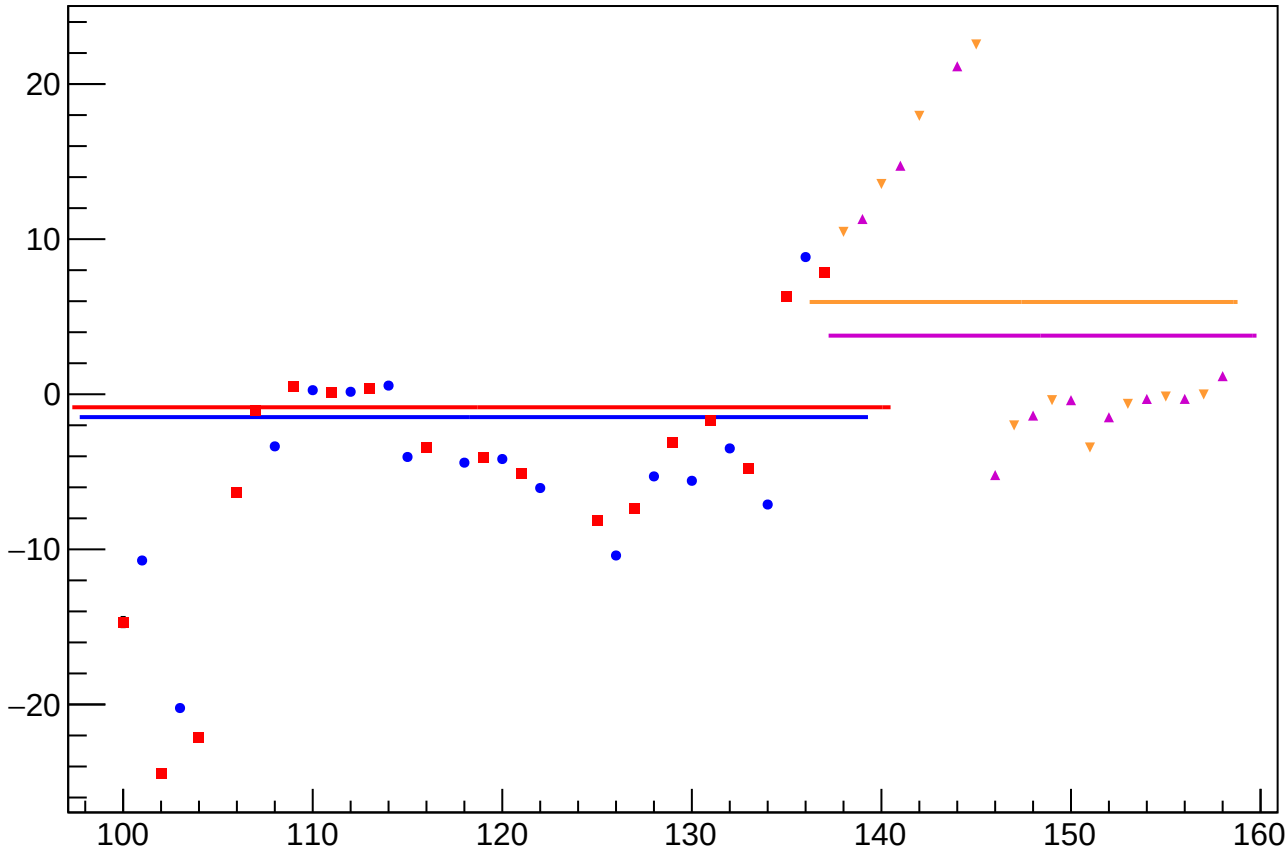
Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

Left In: -0.111+/-0.002 χ^2/NDF:2907.7/9

+ sign -0.199+/-0.002 χ^2/NDF: 14287.4/25

All: -0.153+/-0.002 χ^2/NDF: 32888.4/53

- sign -0.123+/-0.002 χ^2/NDF: 18033.3/27



Right In: -1.474+/-0.019 χ^2/NDF: 73722.2/15

Left Out: 5.949+/-0.029 χ^2/NDF:74816.9/9

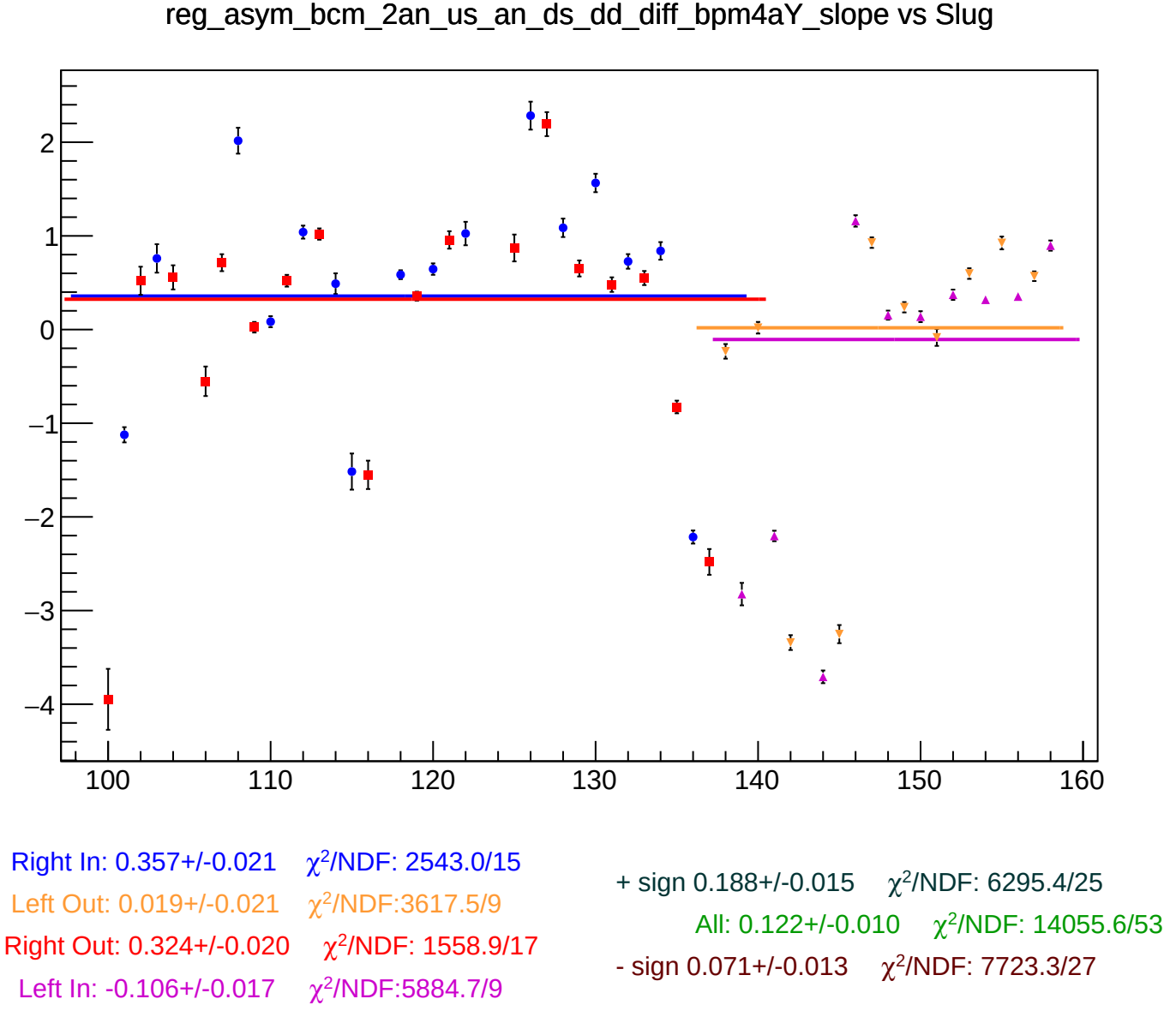
Right Out: -0.838+/-0.016 χ^2/NDF: 78013.1/17

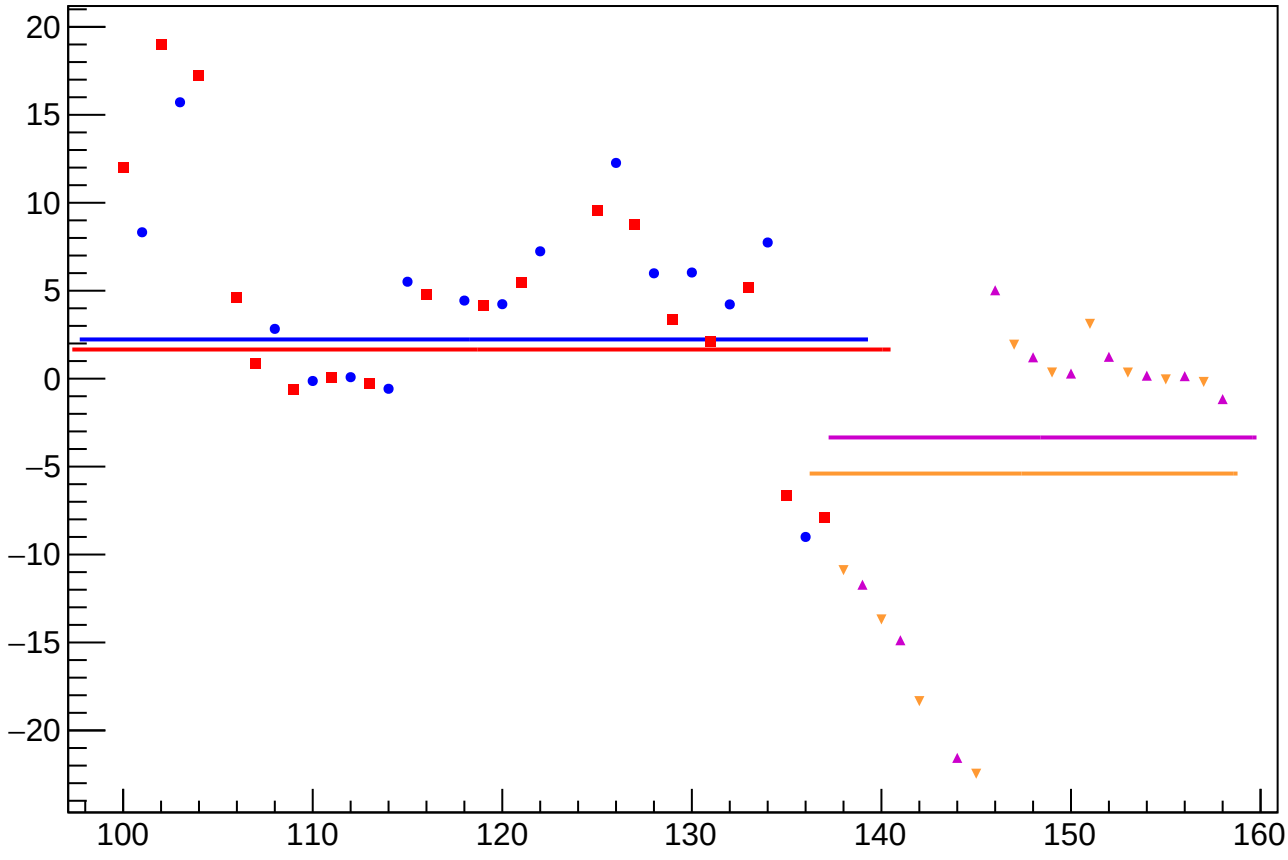
Left In: 3.779+/-0.024 χ^2/NDF:96487.4/9

+ sign 0.734+/-0.016 χ^2/NDF: 195212.5/25

All: 0.661+/-0.010 χ^2/NDF: 395763.5/53

- sign 0.609+/-0.013 χ^2/NDF: 200514.4/27


reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs Slug
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
Right In: 0.357+/-0.021 χ²/NDF: 2543.0/15
Left Out: 0.019+/-0.021 χ²/NDF:3617.5/9
Right Out: 0.324+/-0.020 χ²/NDF: 1558.9/17
Left In: -0.106+/-0.017 χ²/NDF:5884.7/9
+ sign 0.188+/-0.015 χ²/NDF: 6295.4/25
All: 0.122+/-0.010 χ²/NDF: 14055.6/53
- sign 0.071+/-0.013 χ²/NDF: 7723.3/27



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -5.396+/-0.028 χ^2/NDF:76273.0/9

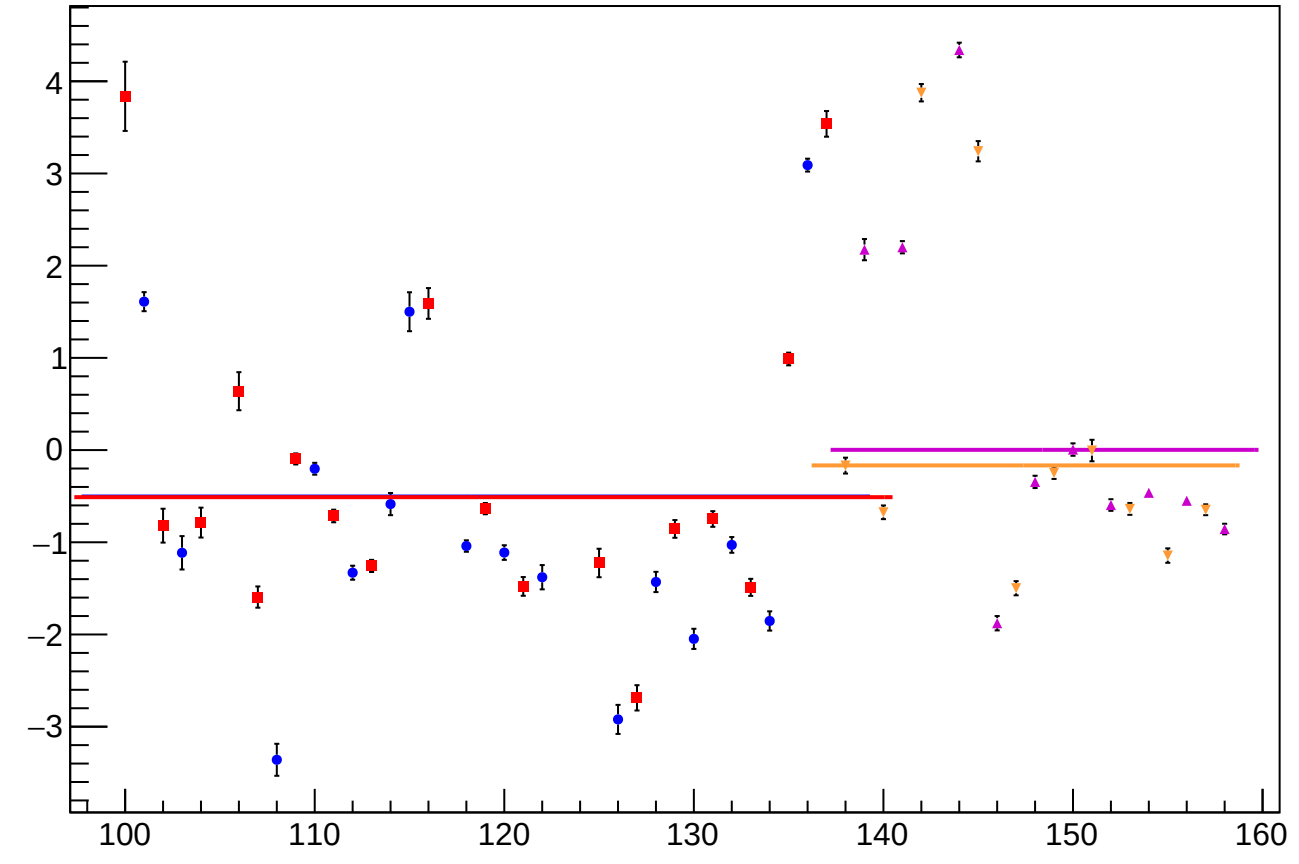
Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: -3.344+/-0.023 χ^2/NDF:97630.5/9

+ sign -0.728+/-0.017 χ^2/NDF: 190966.8/25

All: -0.647+/-0.011 χ^2/NDF: 388249.4/53

- sign -0.585+/-0.015 χ^2/NDF: 197244.8/27



Right In: -0.504+/-0.024 χ^2/NDF: 4447.2/15

Left Out: -0.166+/-0.024 χ^2/NDF:3419.6/9

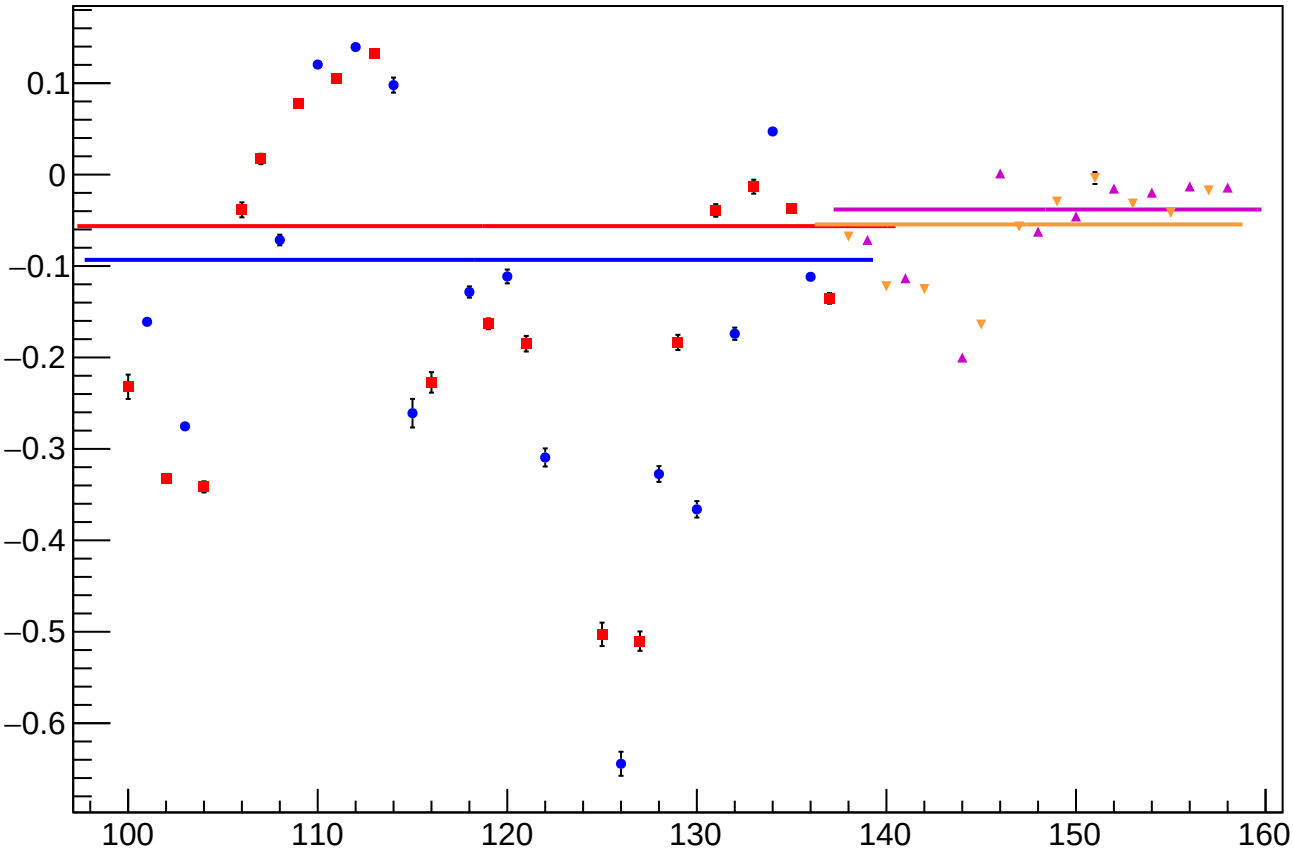
Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

Left In: 0.003+/-0.019 χ^2/NDF:5628.7/9

+ sign -0.340+/-0.017 χ^2/NDF: 7965.0/25

All: -0.269+/-0.011 χ^2/NDF: 16352.3/53

- sign -0.217+/-0.015 χ^2/NDF: 8357.0/27



Right In: -0.093+/-0.001 χ^2/NDF: 11742.4/15

Left Out: -0.054+/-0.001 χ^2/NDF:1680.3/9

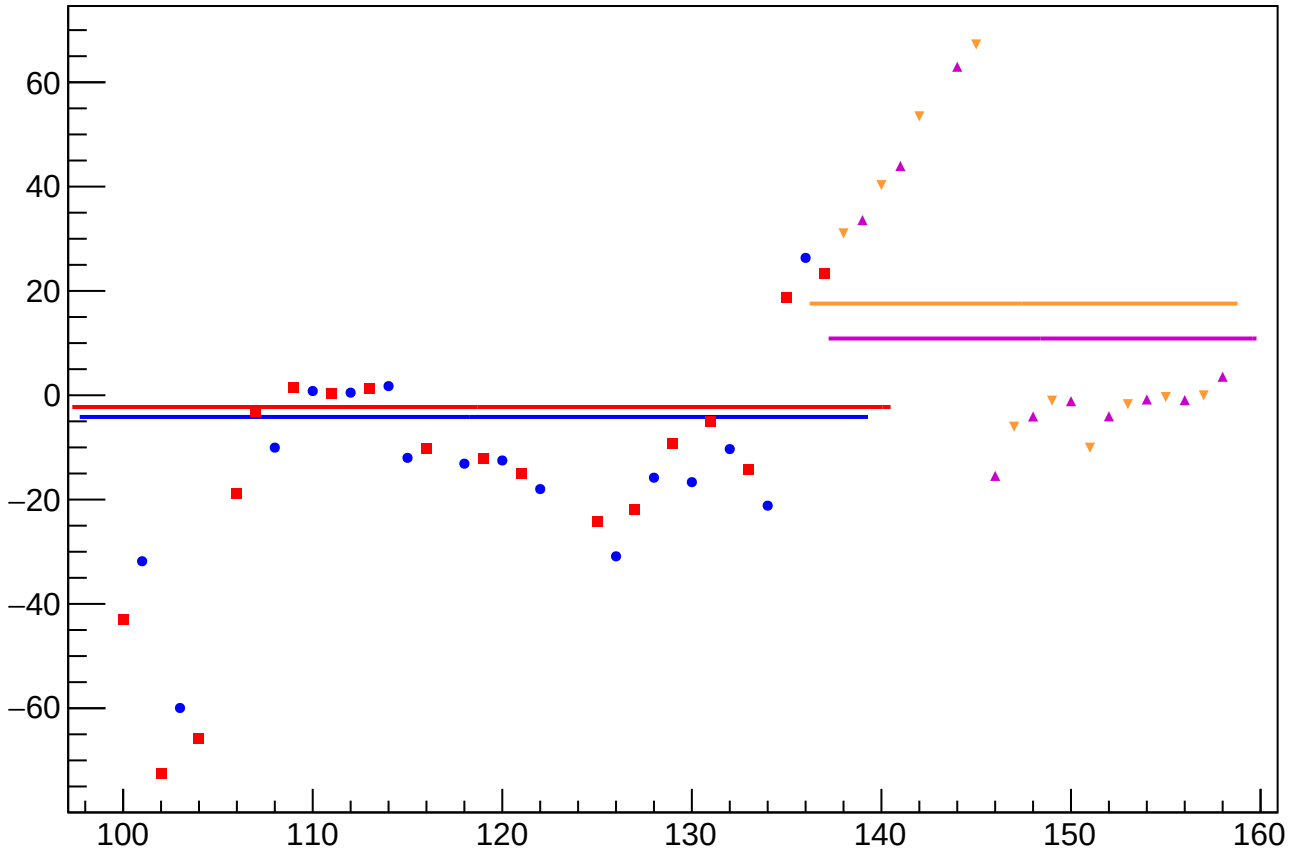
Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.038+/-0.001 χ^2/NDF:2828.9/9

+ sign -0.068+/-0.001 χ^2/NDF: 13908.5/25

All: -0.053+/-0.001 χ^2/NDF: 31862.6/53

- sign -0.043+/-0.001 χ^2/NDF: 17426.4/27



Right In: -4.159+/-0.054 χ^2/NDF: 75420.4/15

Left Out: 17.577+/-0.084 χ^2/NDF:76206.2/9

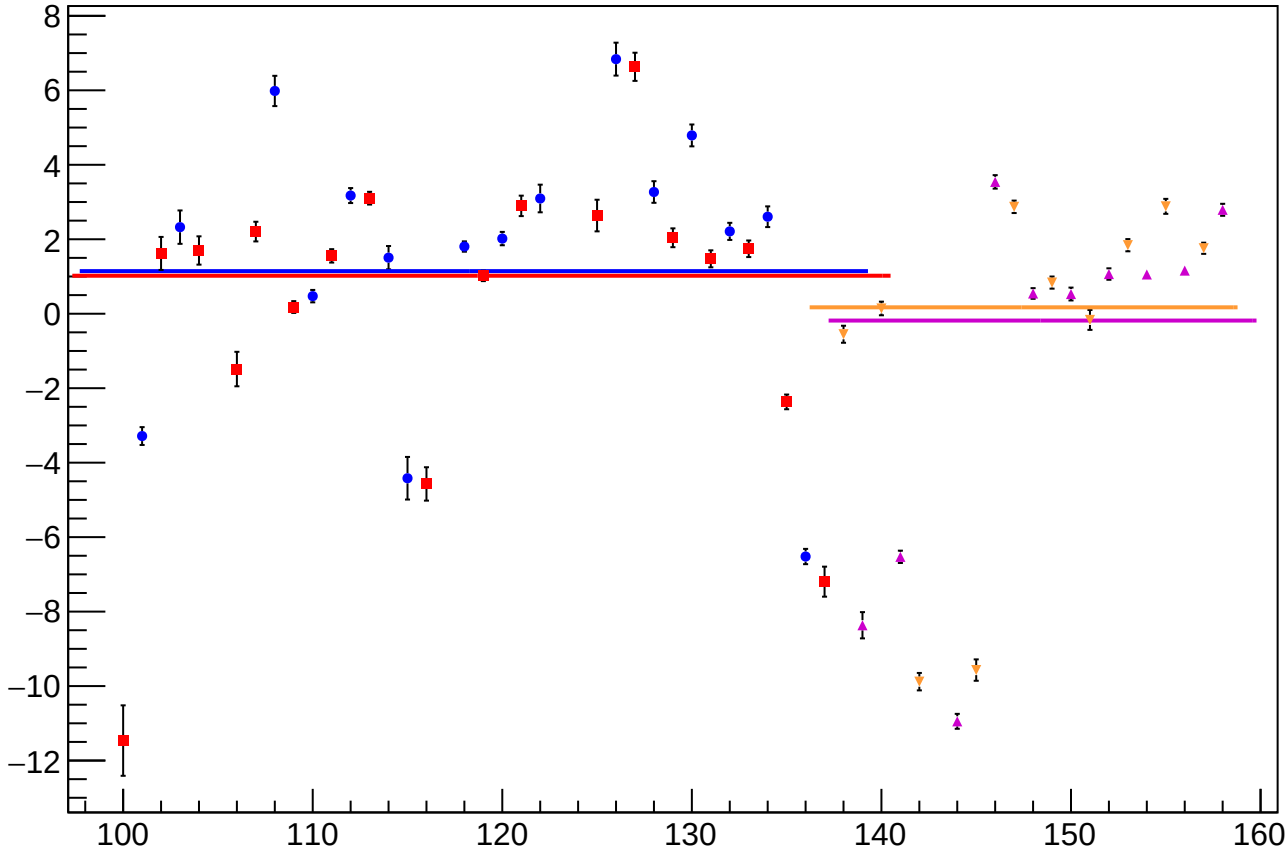
Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 10.878+/-0.069 χ^2/NDF:99210.1/9

+ sign 2.209+/-0.046 χ^2/NDF: 198439.7/25

All: 1.972+/-0.029 χ^2/NDF: 402547.4/53

- sign 1.806+/-0.038 χ^2/NDF: 204062.0/27



Right In: 1.144+/-0.060 χ^2/NDF: 2595.3/15

Left Out: 0.172+/-0.061 χ^2/NDF:3680.4/9

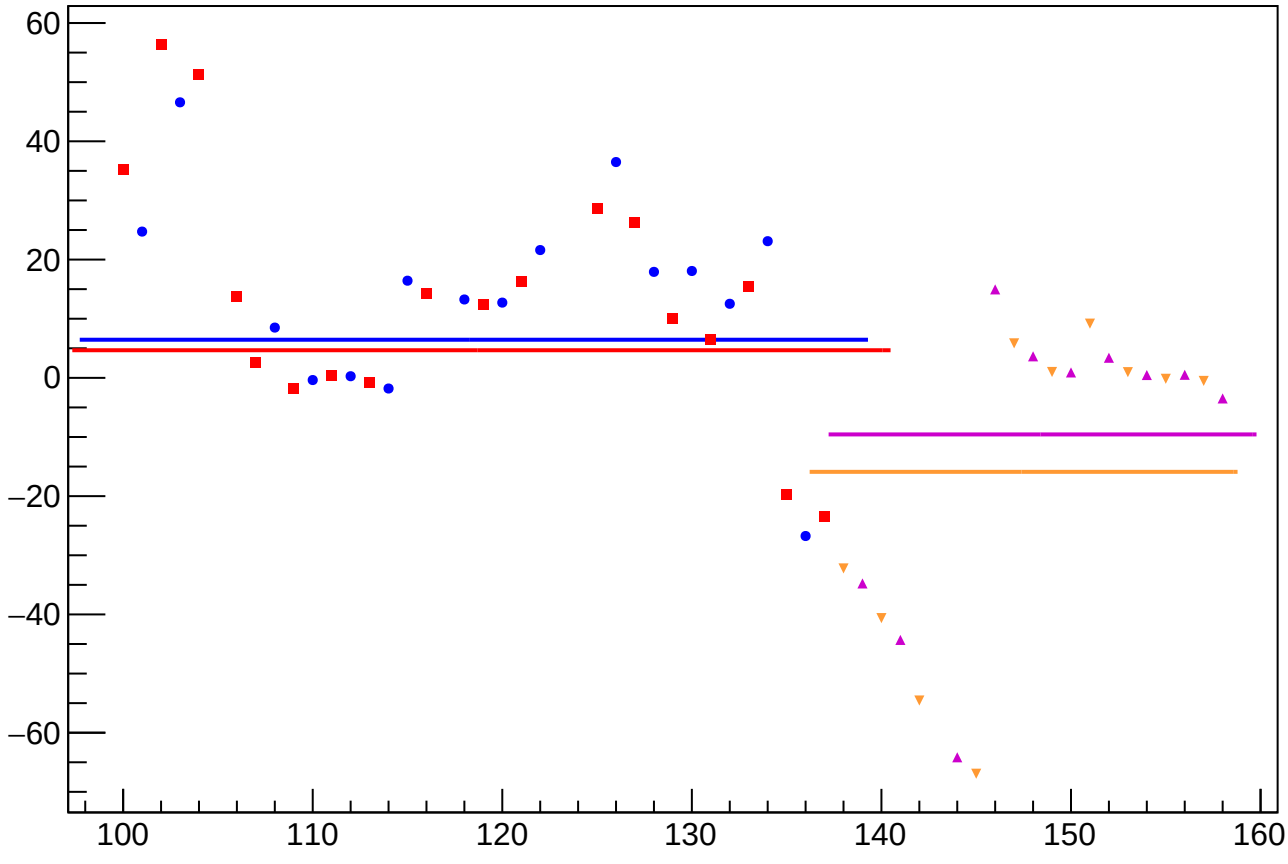
Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: -0.183+/-0.048 χ^2/NDF:6047.7/9

+ sign 0.661+/-0.043 χ^2/NDF: 6405.5/25

All: 0.461+/-0.028 χ^2/NDF: 14344.2/53

- sign 0.312+/-0.037 χ^2/NDF: 7900.2/27



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -15.891+/-0.082 χ^2/NDF:77658.6/9

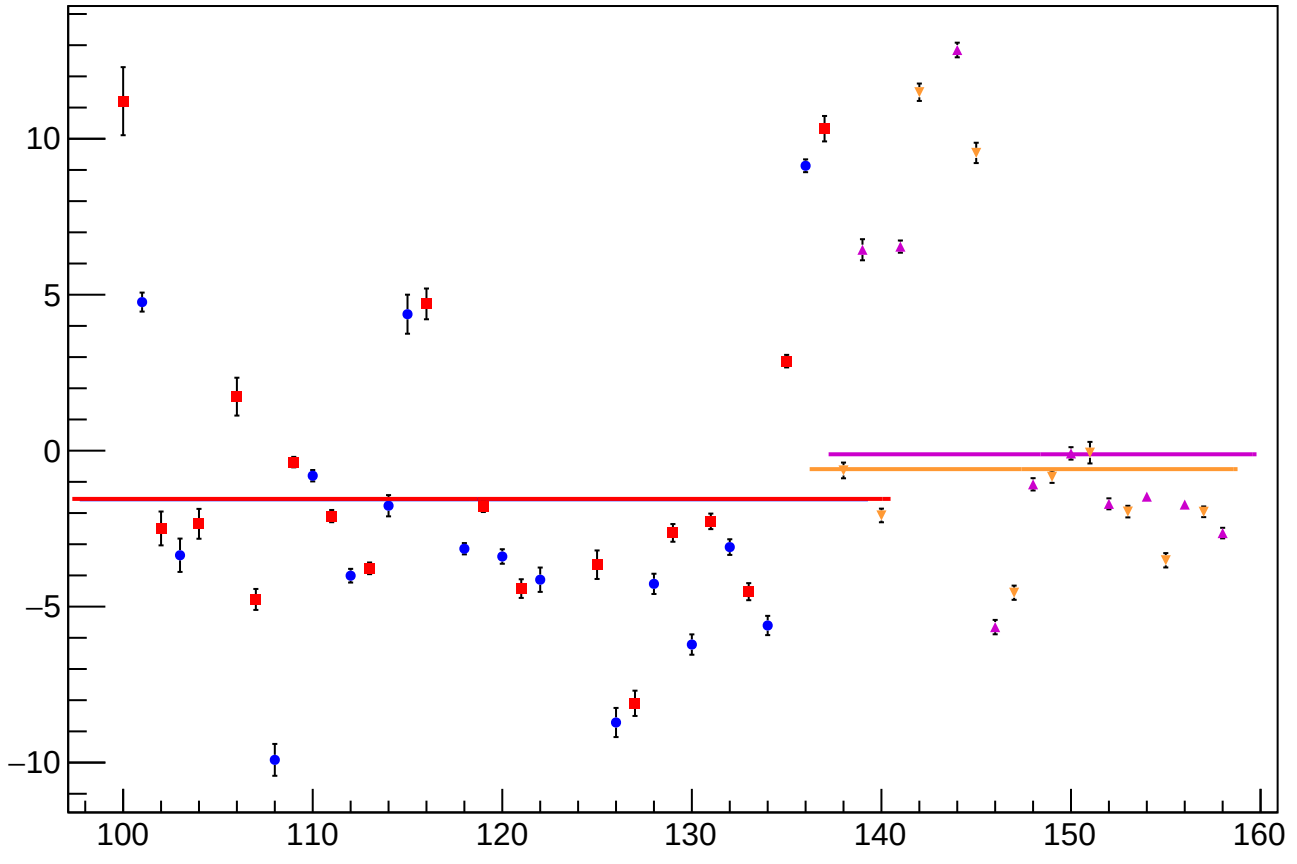
Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -9.563+/-0.066 χ^2/NDF:100228.8/9

+ sign -2.153+/-0.051 χ^2/NDF: 194107.0/25

All: -1.887+/-0.033 χ^2/NDF: 394805.7/53

- sign -1.690+/-0.044 χ^2/NDF: 200651.3/27



Right In: -1.558+/-0.069 χ^2/NDF: 4543.1/15

Left Out: -0.592+/-0.072 χ^2/NDF:3475.3/9

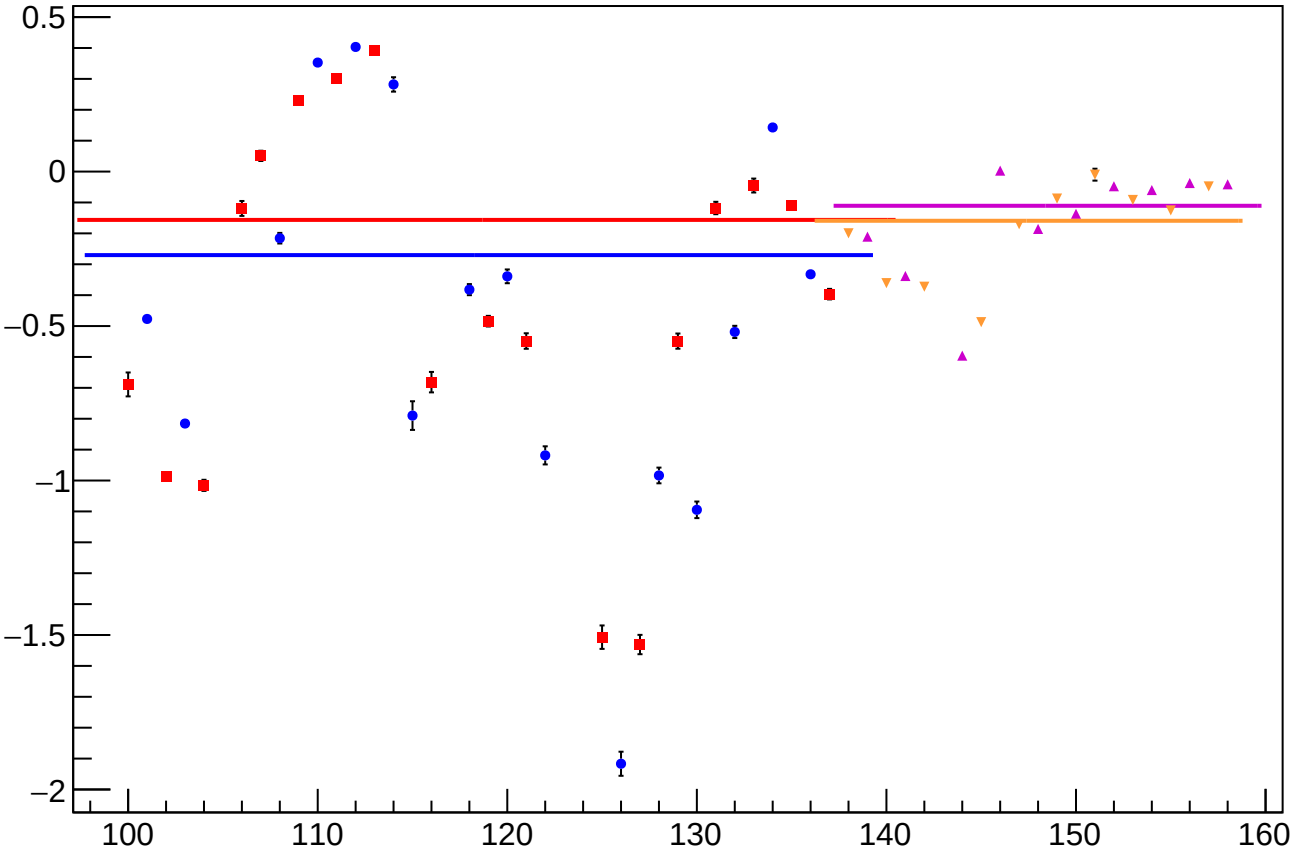
Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: -0.116+/-0.056 χ^2/NDF:5772.1/9

\+ sign -1.092+/-0.050 χ^2/NDF: 8112.4/25

All: -0.879+/-0.032 χ^2/NDF: 16668.1/53

\- sign -0.726+/-0.042 χ^2/NDF: 8524.3/27



Right In: -0.270+/-0.004 χ^2/NDF: 12096.8/15

Left Out: -0.159+/-0.003 χ^2/NDF:1727.3/9

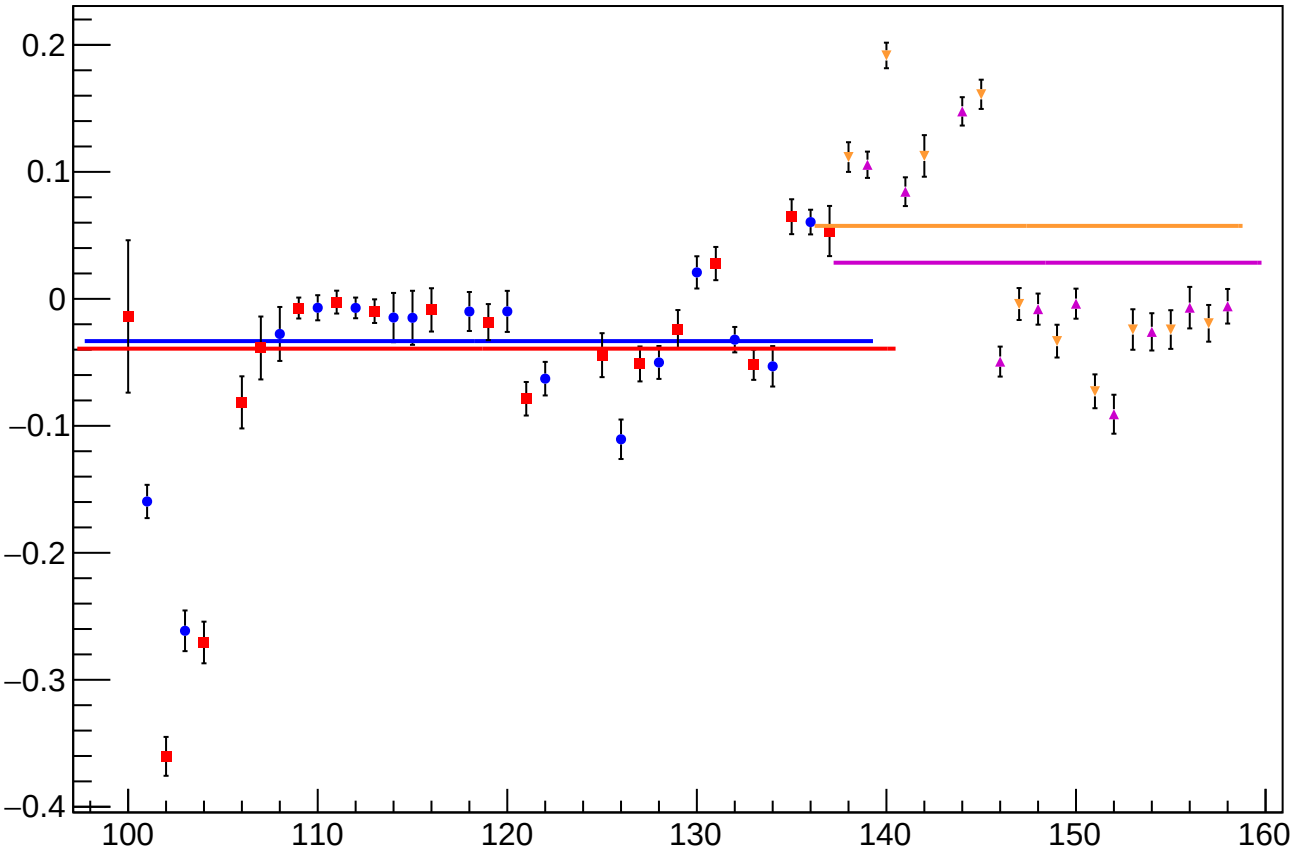
Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.111+/-0.002 χ^2/NDF:2907.9/9

+ sign -0.199+/-0.002 χ^2/NDF: 14290.1/25

All: -0.153+/-0.002 χ^2/NDF: 32900.0/53

- sign -0.123+/-0.002 χ^2/NDF: 18043.4/27



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.057+/-0.004 χ^2/NDF:543.4/9

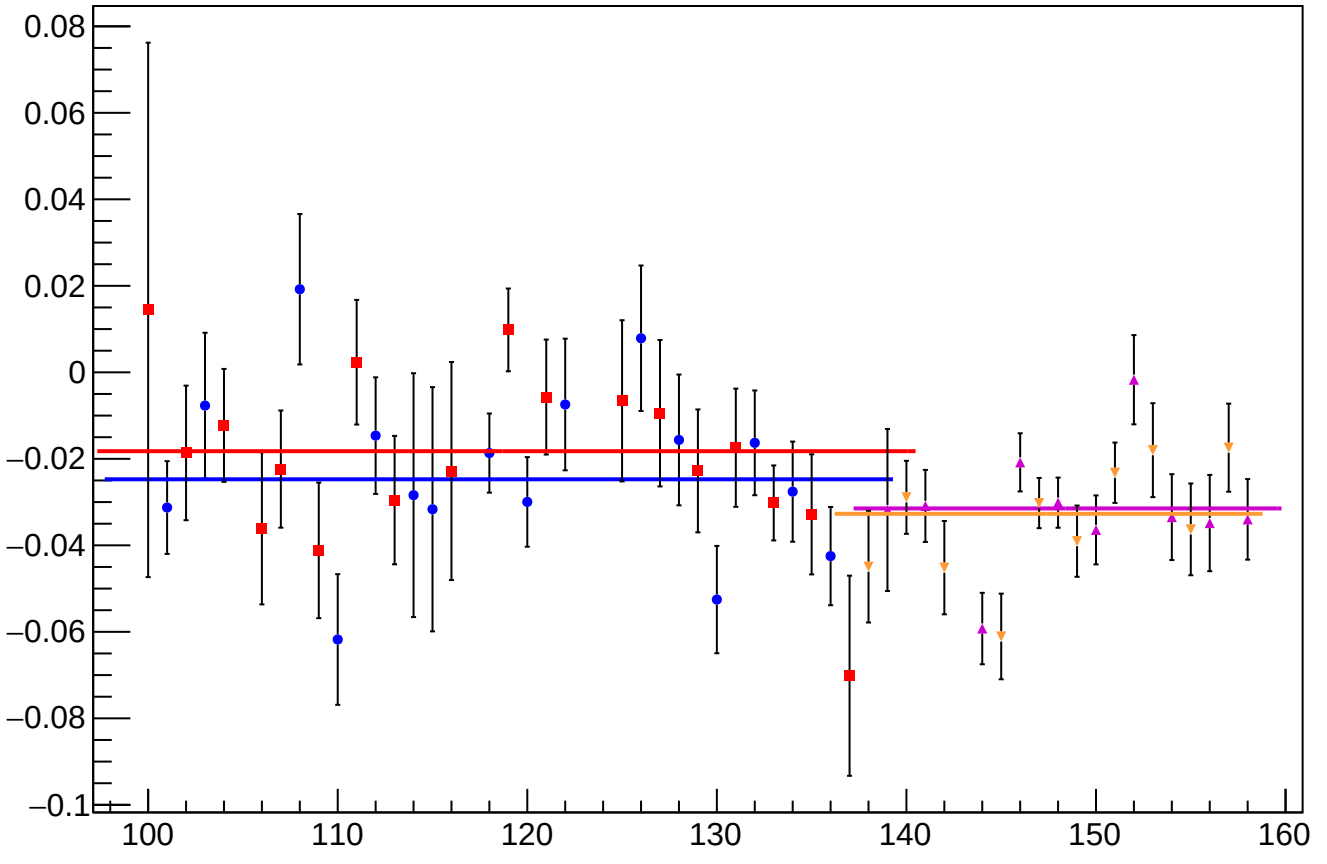
Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: 0.028+/-0.004 χ^2/NDF:338.8/9

+ sign 0.001+/-0.003 χ^2/NDF: 1310.0/25

All: -0.006+/-0.002 χ^2/NDF: 2649.7/53

- sign -0.013+/-0.002 χ^2/NDF: 1324.5/27



Right In: -0.025+/-0.003 χ^2/NDF: 28.5/15

Left Out: -0.033+/-0.003 χ^2/NDF:17.5/9

Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

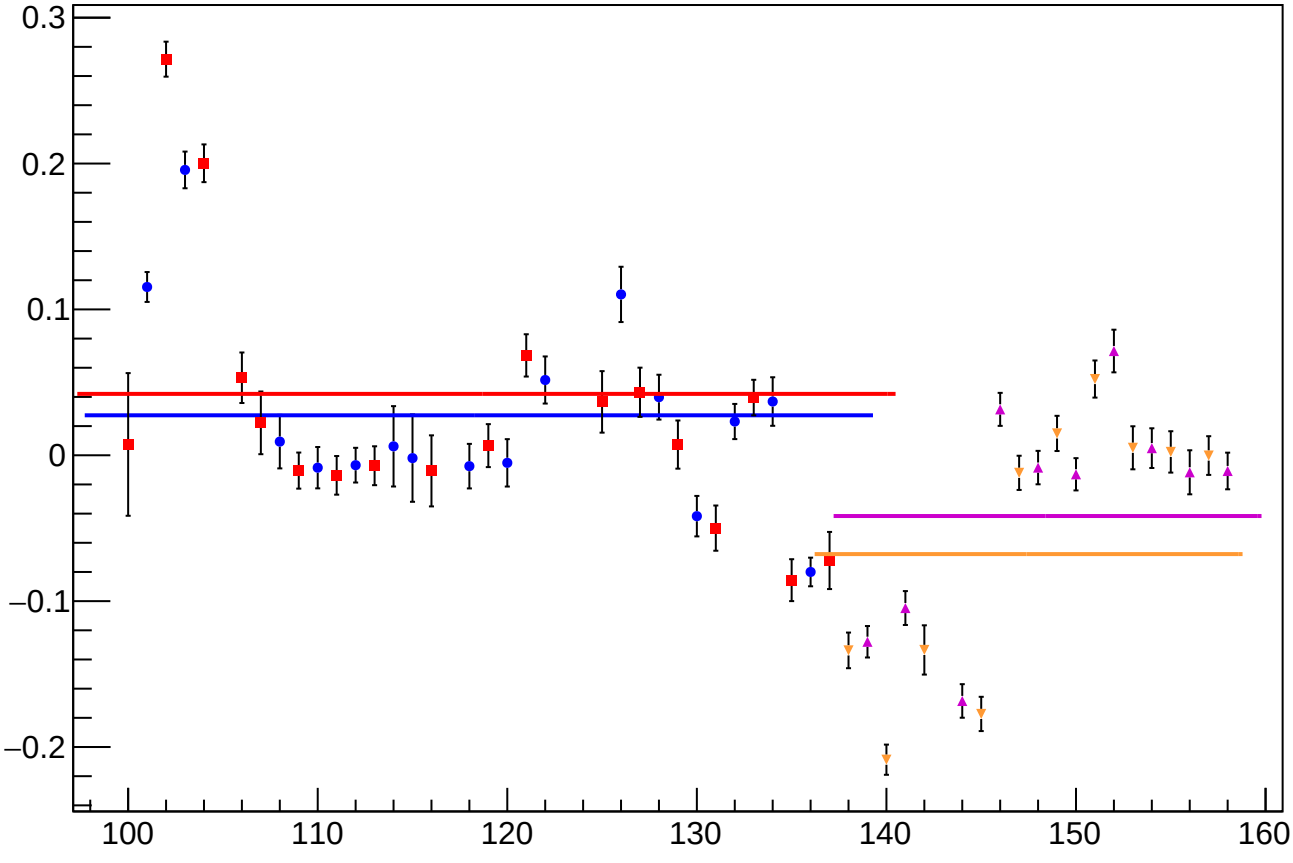
Left In: -0.031+/-0.003 χ^2/NDF:22.8/9

+ sign -0.029+/-0.002 χ^2/NDF: 49.4/25

All: -0.028+/-0.001 χ^2/NDF: 107.4/53

- sign -0.026+/-0.002 χ^2/NDF: 56.9/27

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.027+/-0.004 χ^2/NDF: 446.1/15

Left Out: -0.068+/-0.004 χ^2/NDF:550.0/9

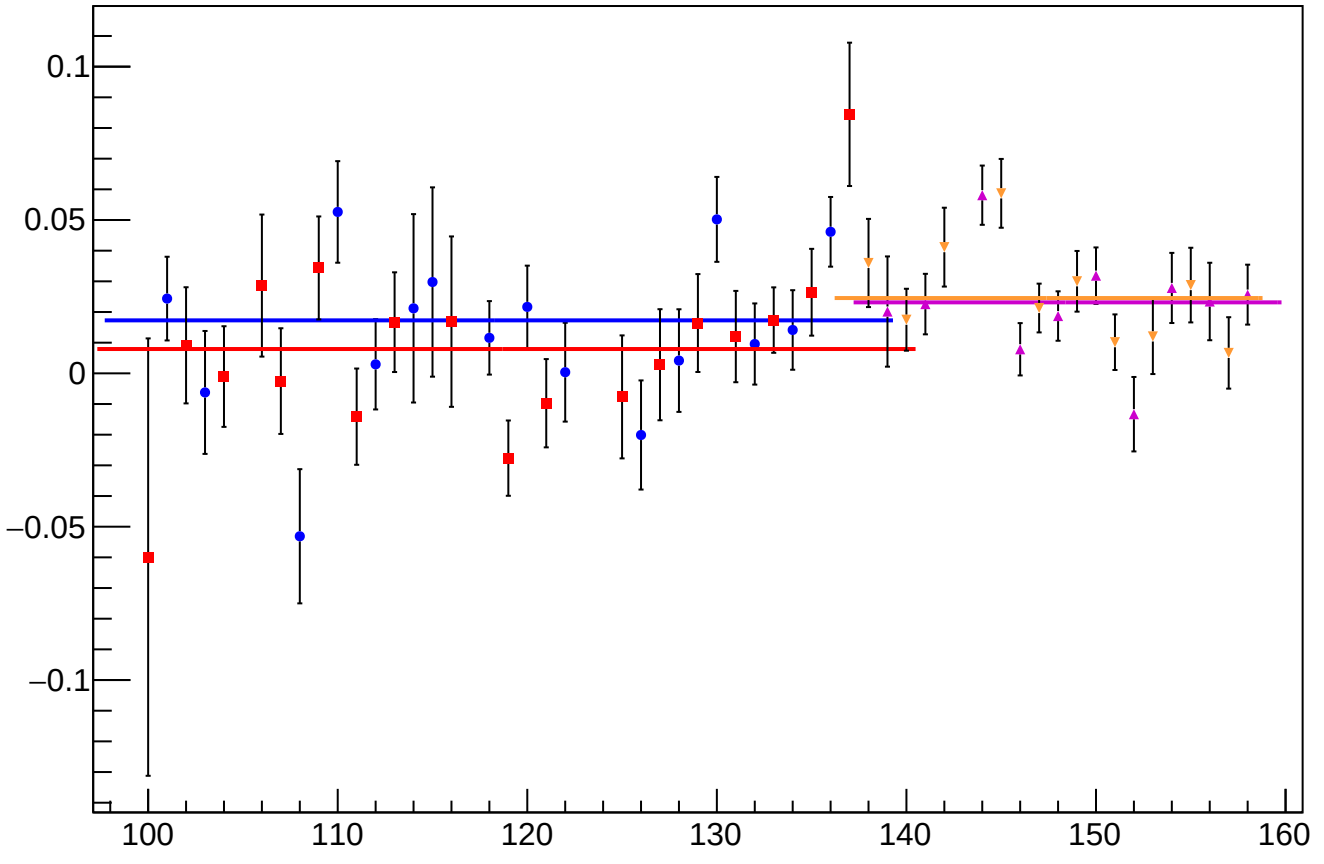
Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.042+/-0.004 χ^2/NDF:353.2/9

+ sign -0.015+/-0.003 χ^2/NDF: 1310.3/25

All: -0.006+/-0.002 χ^2/NDF: 2668.6/53

- sign 0.002+/-0.003 χ^2/NDF: 1337.2/27



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.025+/-0.003 χ^2/NDF:18.6/9

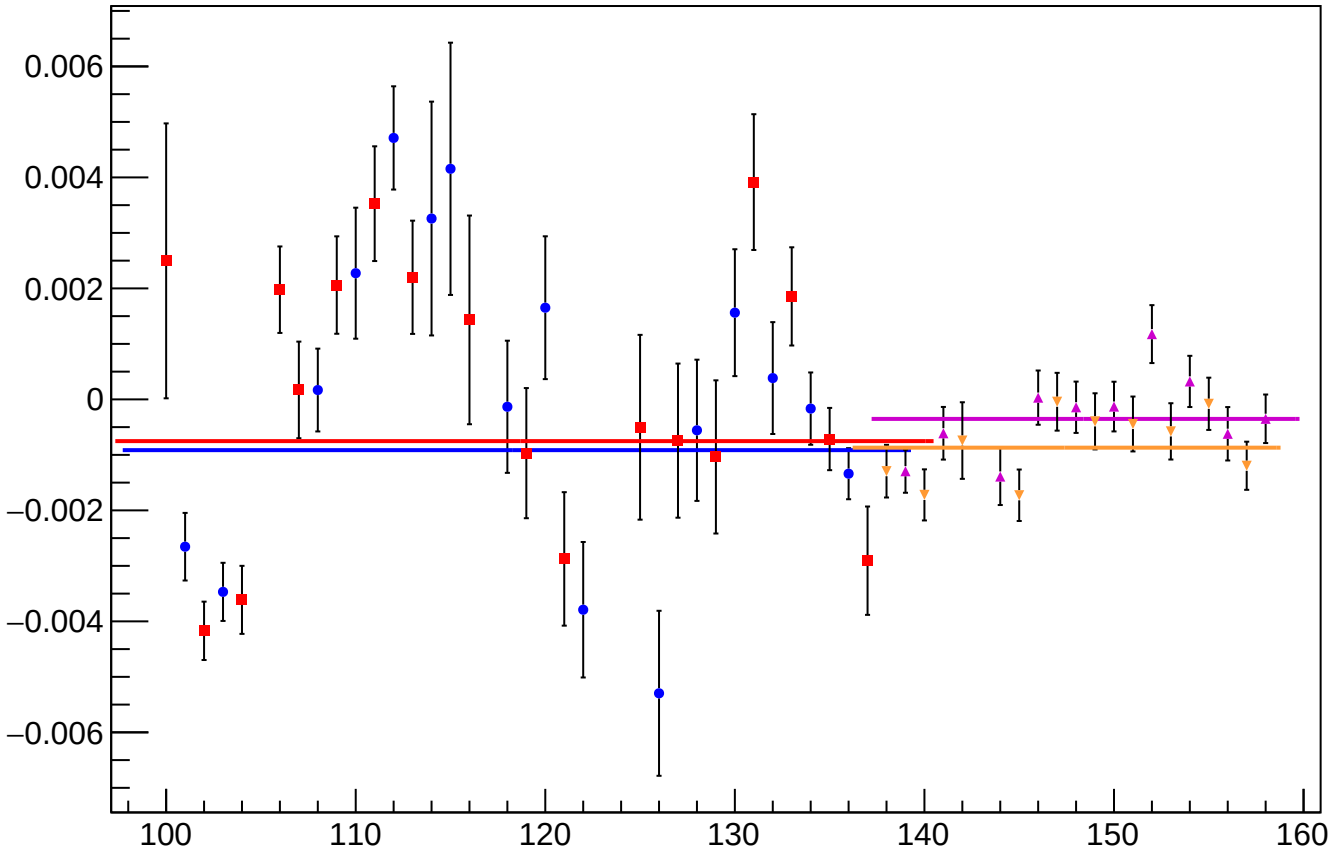
Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.023+/-0.003 χ^2/NDF:26.8/9

+ sign 0.021+/-0.003 χ^2/NDF: 57.3/25

All: 0.019+/-0.002 χ^2/NDF: 126.0/53

- sign 0.017+/-0.002 χ^2/NDF: 67.2/27



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.001+/-0.000 χ^2/NDF:15.5/9

Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

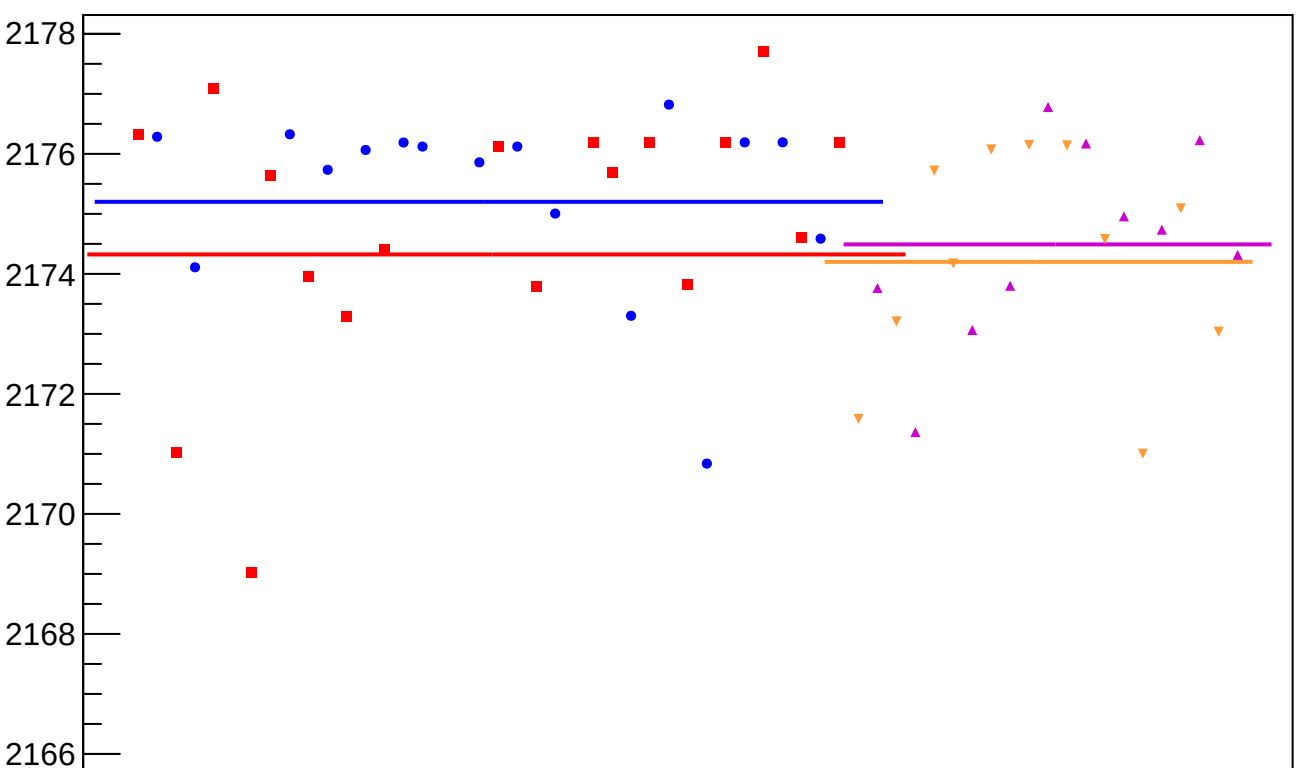
Left In: -0.000+/-0.000 χ^2/NDF:22.4/9

+ sign -0.001+/-0.000 χ^2/NDF: 129.6/25

All: -0.001+/-0.000 χ^2/NDF: 307.4/53

- sign -0.000+/-0.000 χ^2/NDF: 172.3/27

HALLA_p_mean vs Slug



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

Left Out: 2174.200+/-0.000 χ^2/NDF:2802719302615784283174965658779648.0/10

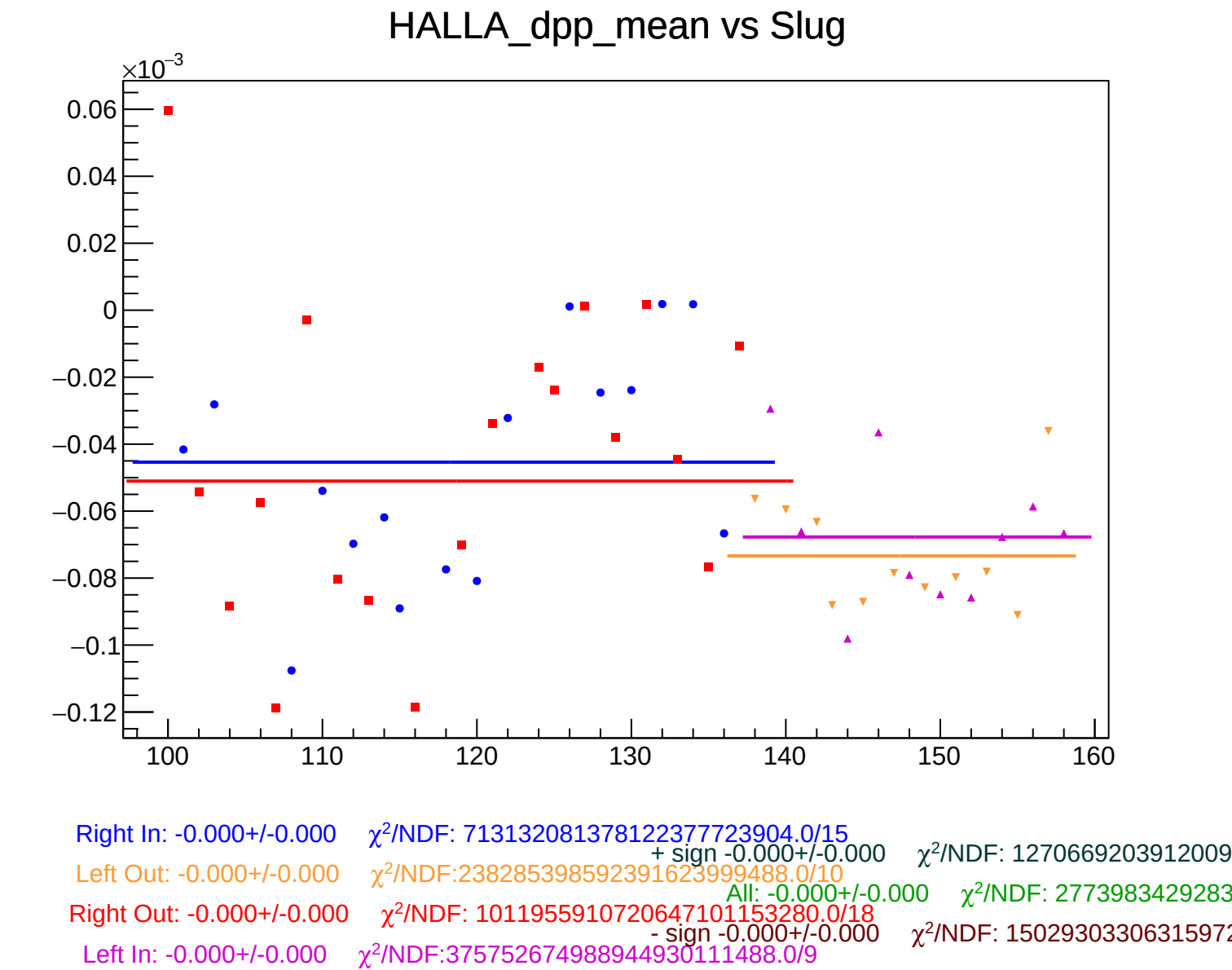
Right Out: 2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171827 2.0/18

Left In: 2174.491+/-0.000 χ^2/NDF:219447033903628173611521503186124 8.0/9

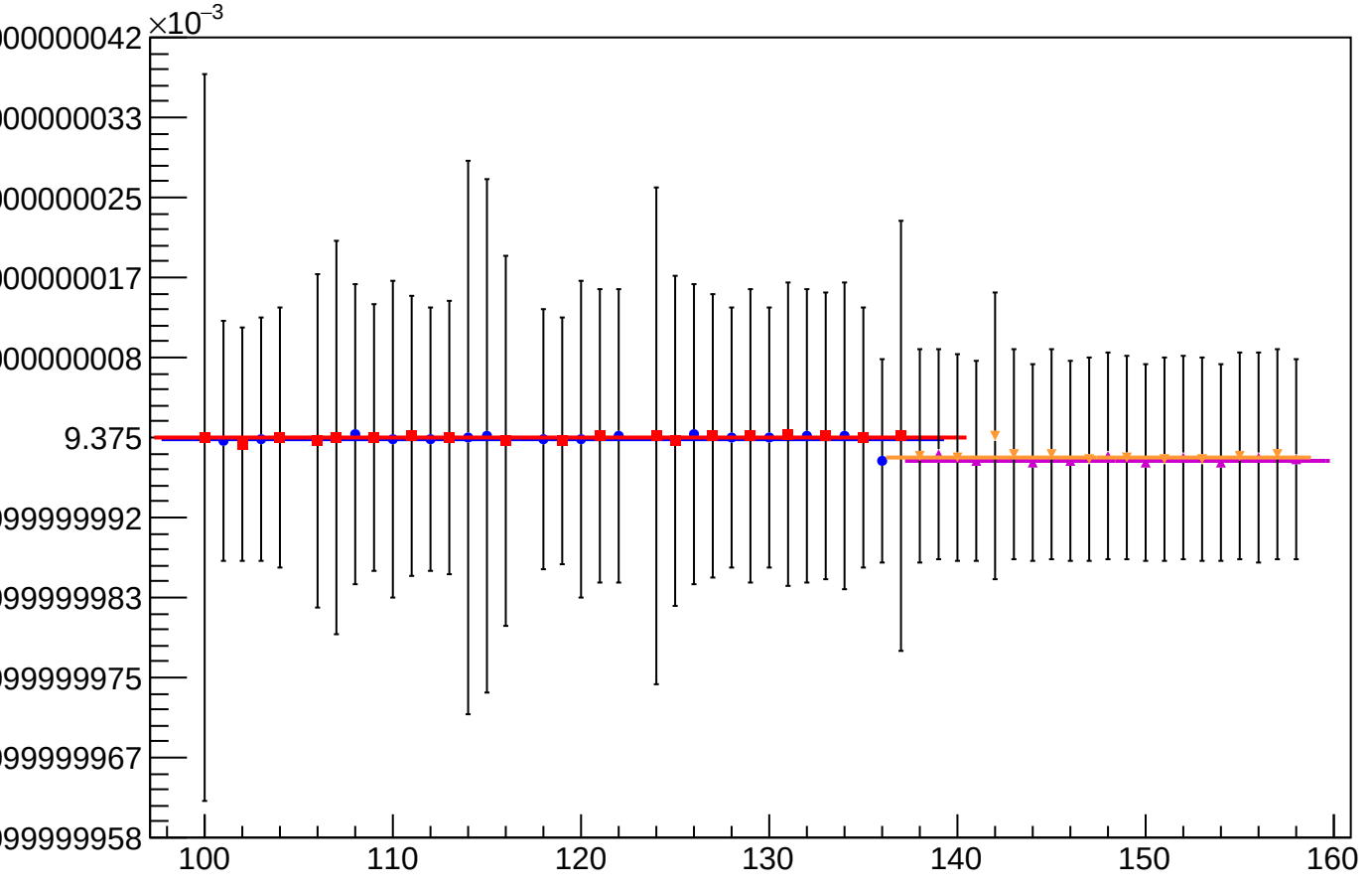
+ sign 2174.651+/-0.000 χ^2/NDF: 4976118415130

All: 2174.532+/-0.000 χ^2/NDF: 1277072922

- sign 2174.415+/-0.000 χ^2/NDF: 774828109072


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
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 713132081378122377723904.0/15
Left Out: -0.000+/-0.000 χ²/NDF:2382853985923916239994880/10
Right Out: -0.000+/-0.000 χ²/NDF: 10119559107206471011532800/18
Left In: -0.000+/-0.000 χ²/NDF:3757526749889449301114880/9
+ sign -0.000+/-0.000 χ²/NDF: 1270669203912009
All: -0.000+/-0.000 χ²/NDF: 2773983429283
- sign -0.000+/-0.000 χ²/NDF: 1502930330631597

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/10

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

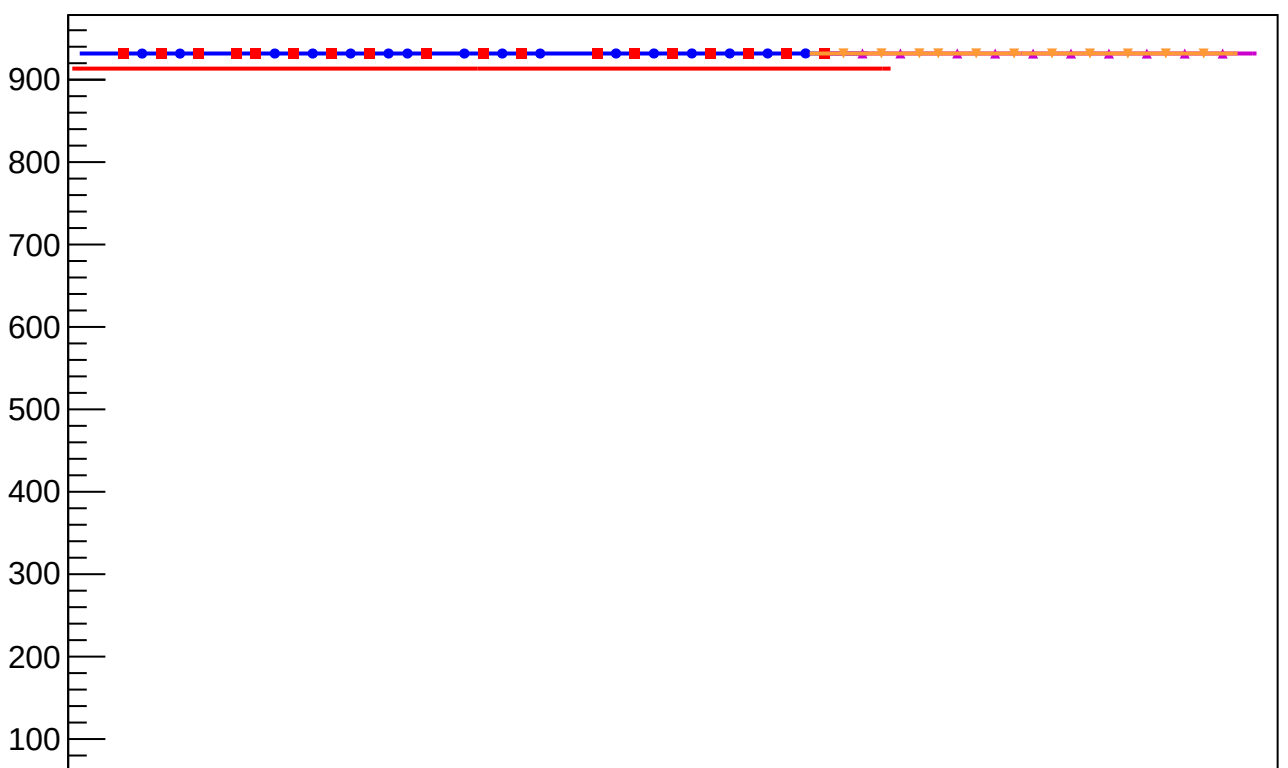
Left In: 0.009+/-0.000 χ^2/NDF:0.0/9

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/26

All: 0.009+/-0.000 χ^2/NDF: 0.4/55

- sign 0.009+/-0.000 χ^2/NDF: 0.2/28

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 931.769+/-0.000 χ^2/NDF: 2757217223595001187167685836800.0/15

+ sign 931.781+/-0.000 χ^2/NDF: 681377451898357

Left Out: 931.791+/-0.000 χ^2/NDF:385821310004609800918526643404 8.0/10

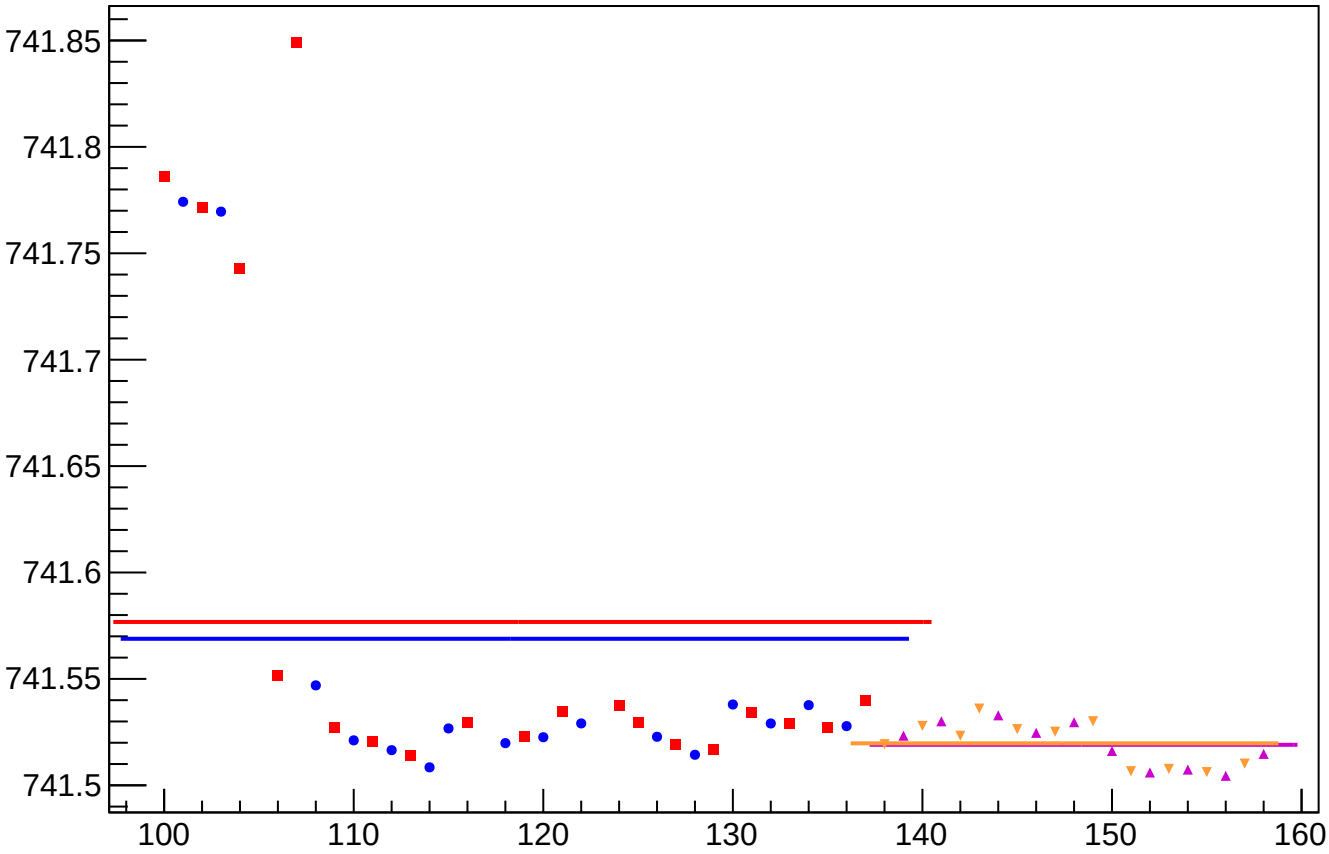
All: 927.556+/-0.000 χ^2/NDF: 12963245090

Right Out: 913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

- sign 923.387+/-0.000 χ^2/NDF: 129048949237012

Left In: 931.776+/-0.000 χ^2/NDF:351061785889417209076390245171 2.0/9

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.569+/-0.000 χ^2/NDF: 643295117612794706193889938636 8.0/15

Left Out: 741.520+/-0.000 χ^2/NDF:95901848809286484217837912064.0/10

Right Out: 741.577+/-0.000 χ^2/NDF: 769226394789261471153747761561 6.0/18

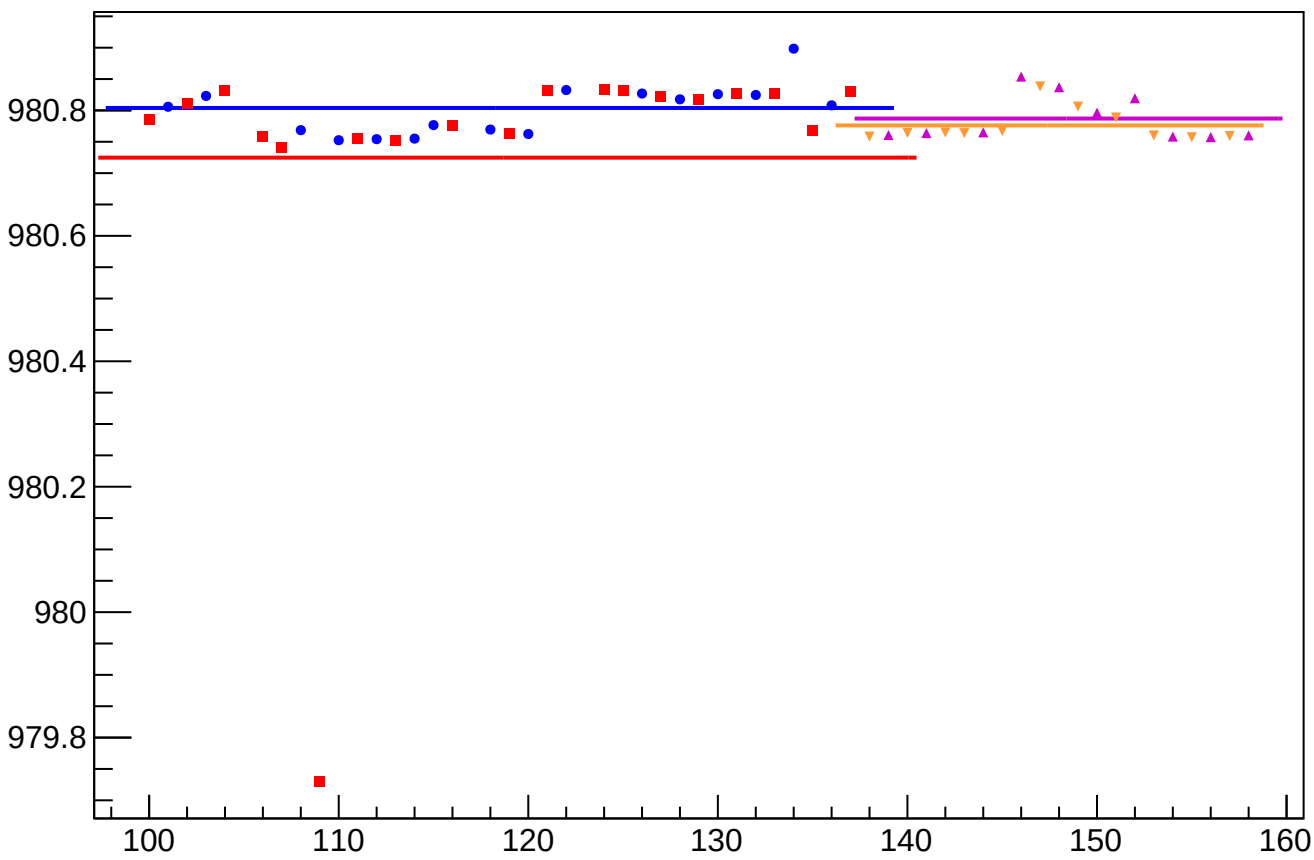
Left In: 741.519+/-0.000 χ^2/NDF:92266527285633119534333296640.0/9

+ sign 741.542+/-0.000 χ^2/NDF: 751165585515009

All: 741.544+/-0.000 χ^2/NDF: 16685900823

- sign 741.545+/-0.000 χ^2/NDF: 916355908609483

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.804+/-0.000 χ^2/NDF: 9333132768848077867742459330560.0/15

Left Out: 980.776+/-0.000 χ^2/NDF:5746416230187274316923115929600.0/10

Right Out: 980.725+/-0.000 χ^2/NDF: 560402056173583362216628762705920.0/18

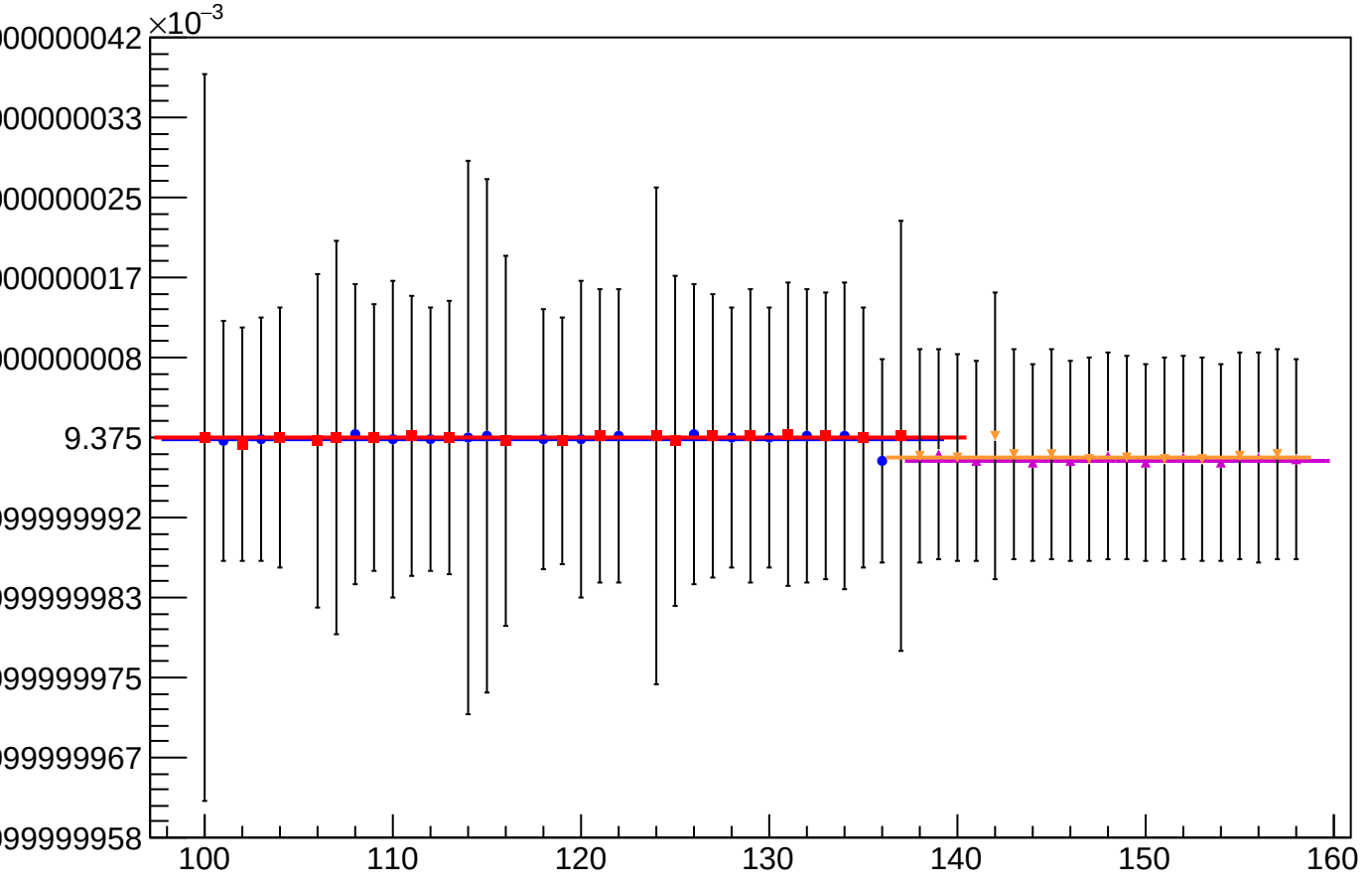
Left In: 980.787+/-0.000 χ^2/NDF:109634526793541328385176554700 8.0/9

+ sign 980.789+/-0.000 χ^2/NDF: 182325973194613

All: 980.773+/-0.000 χ^2/NDF: 613192636989

- sign 980.758+/-0.000 χ^2/NDF: 587450295235151

MQ172RM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/10

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

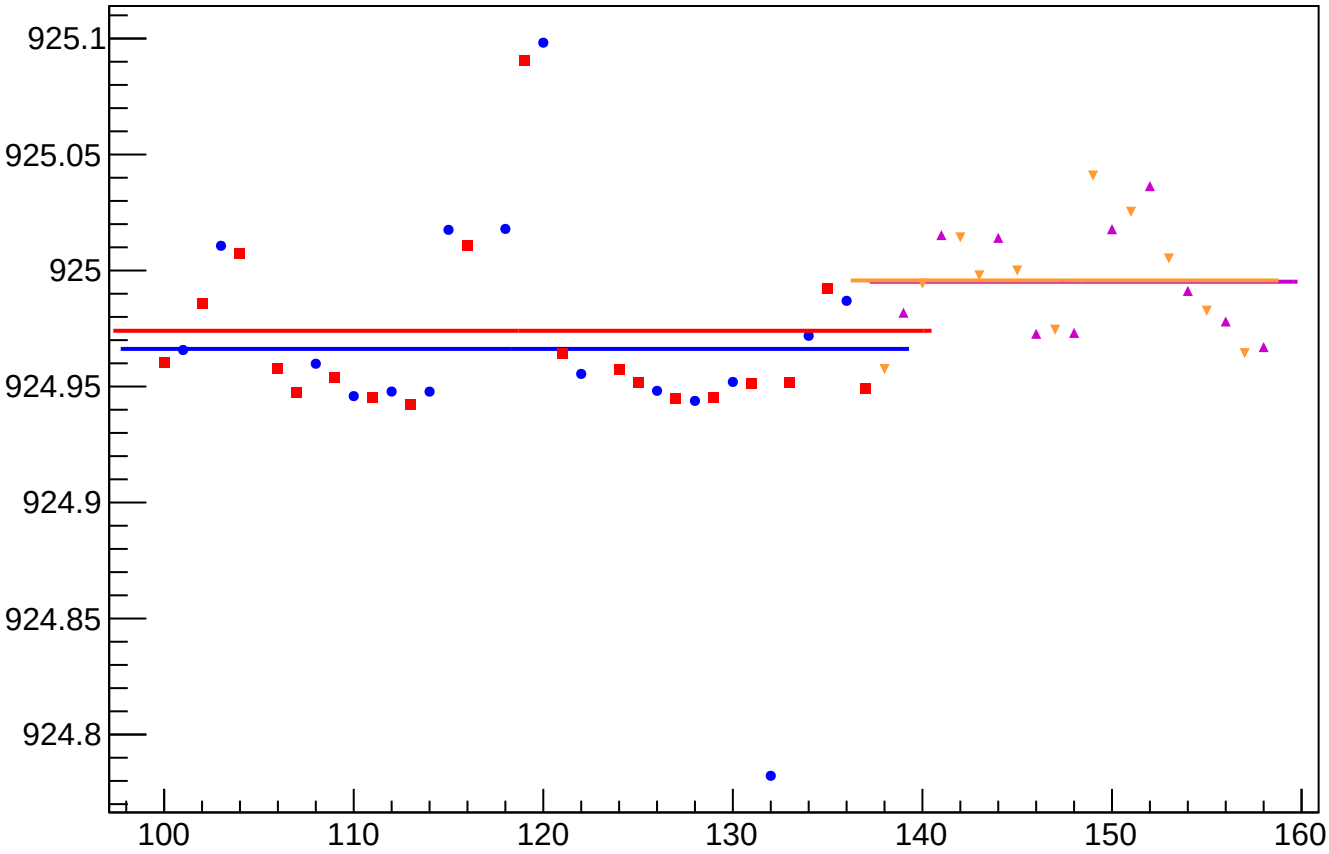
Left In: 0.009+/-0.000 χ^2/NDF:0.0/9

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/26

All: 0.009+/-0.000 χ^2/NDF: 0.4/55

- sign 0.009+/-0.000 χ^2/NDF: 0.2/28

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.966+/-0.000 χ^2/NDF: 254437050808765880053303712153 6.0/15

Left Out: 924.996+/-0.000 χ^2/NDF:53969334663718521716736209715 2.0/10

Right Out: 924.974+/-0.000 χ^2/NDF: 124198152111689090023635183206 4.0/18

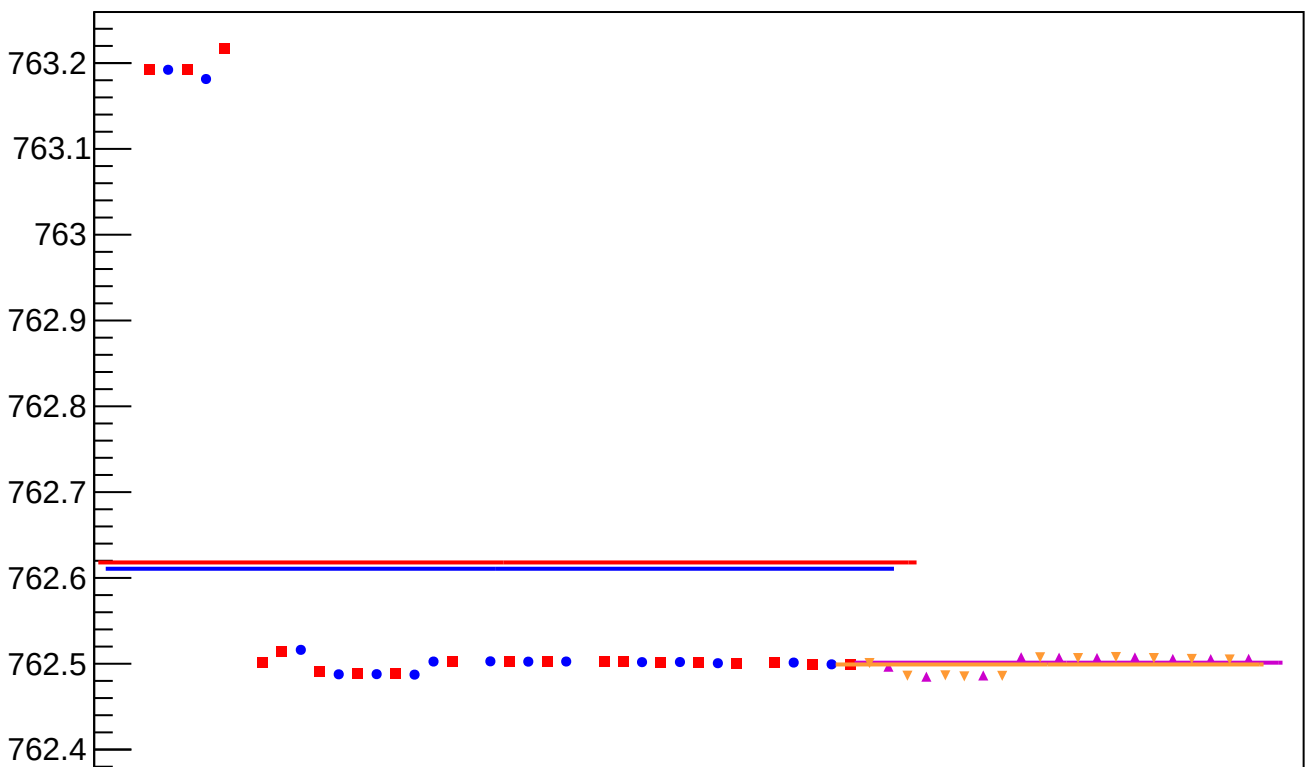
Left In: 924.995+/-0.000 χ^2/NDF:47345377715976393169297211392 0.0/9

+ sign 924.982+/-0.000 χ^2/NDF: 343859900855832

All: 924.984+/-0.000 χ^2/NDF: 534683507646

- sign 924.986+/-0.000 χ^2/NDF: 190038902772846

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.611+/-0.000 χ^2/NDF: 52161453489138778834460408283136.0/15

Left Out: 762.499+/-0.000 χ^2/NDF:8245949049635176193432590745 6.0/10

Right Out: 762.618+/-0.000 χ^2/NDF: 53134338532630395841297843748864.0/18

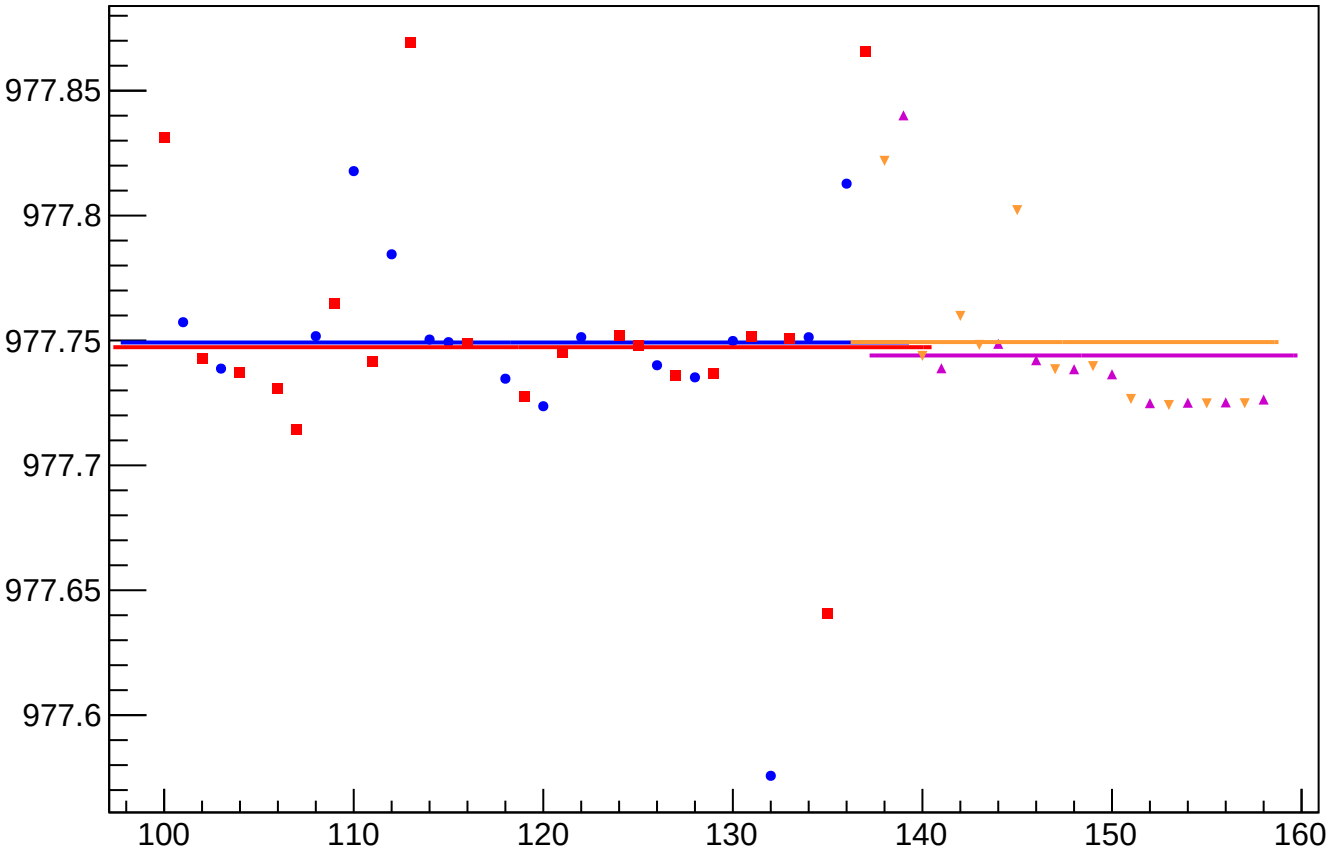
Left In: 762.501+/-0.000 χ^2/NDF:65976535961338559041988722688.0/9

+ sign 762.549+/-0.000 χ^2/NDF: 573102166134618

All: 762.552+/-0.000 χ^2/NDF: 116178761211

- sign 762.555+/-0.000 χ^2/NDF: 588452571569976

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.749+/-0.000 χ^2/NDF: 19595783310723160744482245181440.0/15

Left Out: 977.749+/-0.000 χ^2/NDF:8909026056920833393932013404160.0/10

Right Out: 977.747+/-0.000 χ^2/NDF: 178222687781691472632796623667 2.0/18

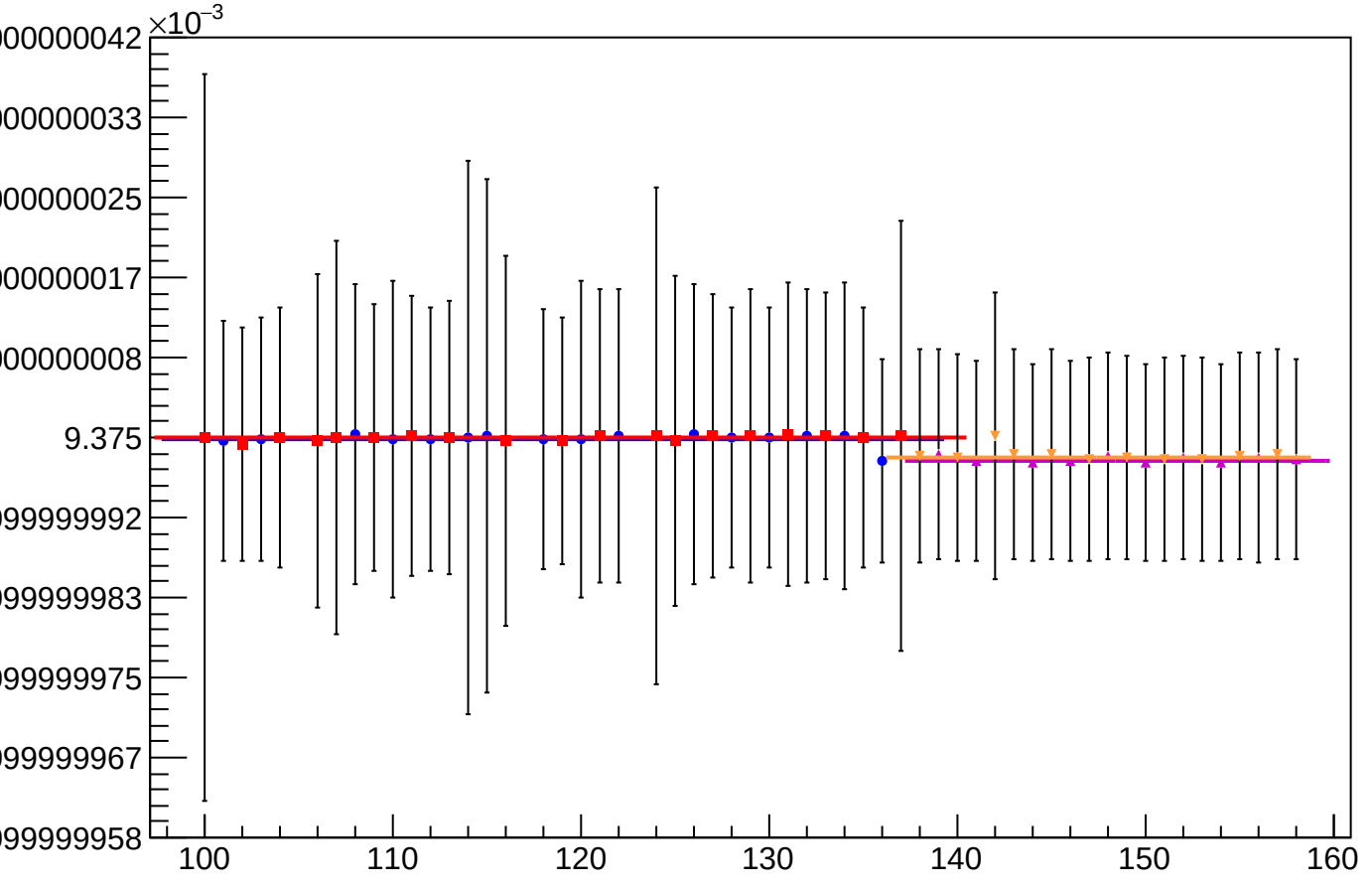
Left In: 977.744+/-0.000 χ^2/NDF:913855141672914348994272952320.0/9

+ sign 977.749+/-0.000 χ^2/NDF: 285049185336425

All: 977.747+/-0.000 χ^2/NDF: 556288907974

- sign 977.746+/-0.000 χ^2/NDF: 270061202114141

hesDipole_current_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/10

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

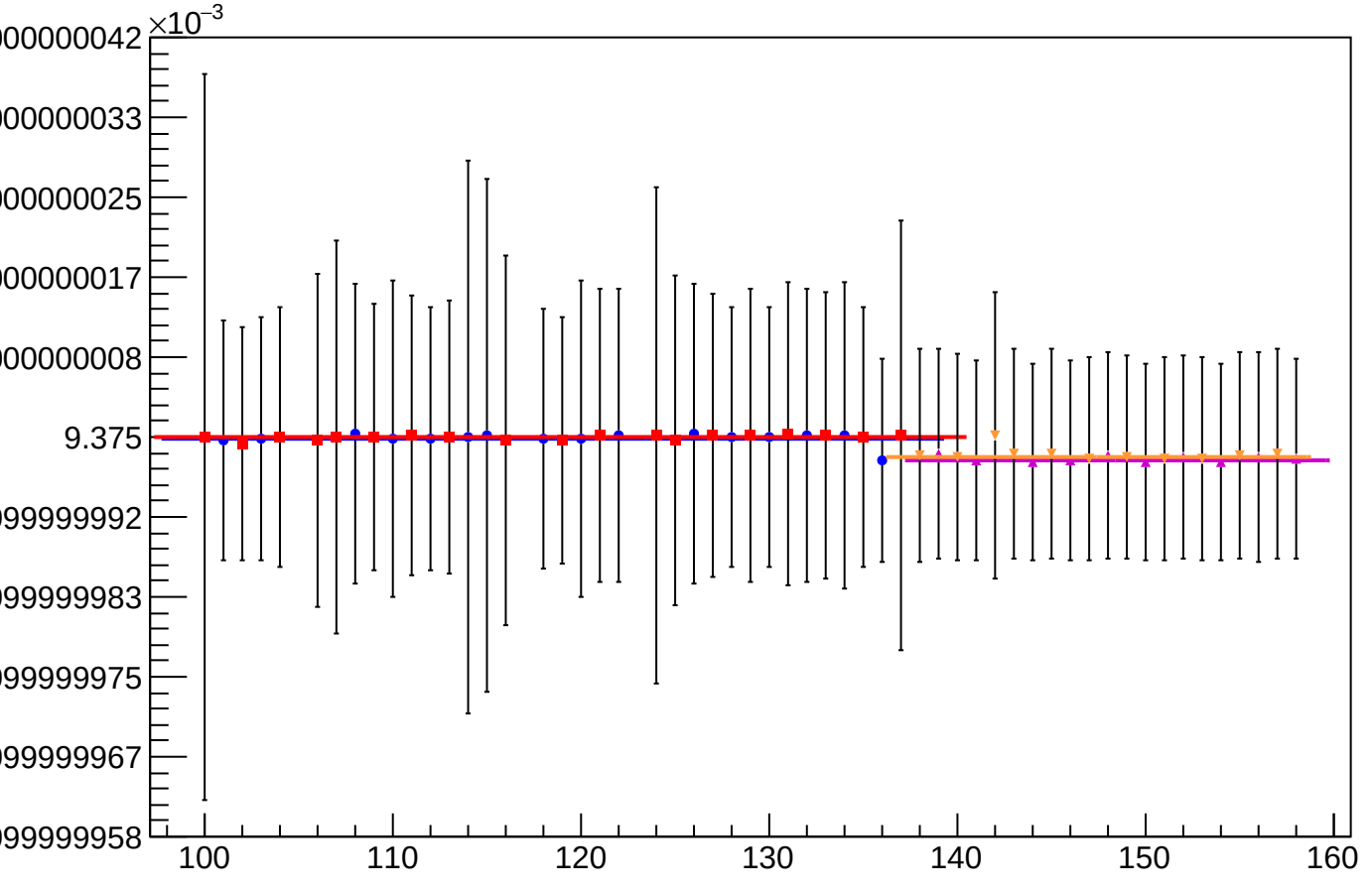
Left In: 0.009+/-0.000 χ^2/NDF:0.0/9

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/26

All: 0.009+/-0.000 χ^2/NDF: 0.4/55

- sign 0.009+/-0.000 χ^2/NDF: 0.2/28

MSUPERBIGBITEreadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/10

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

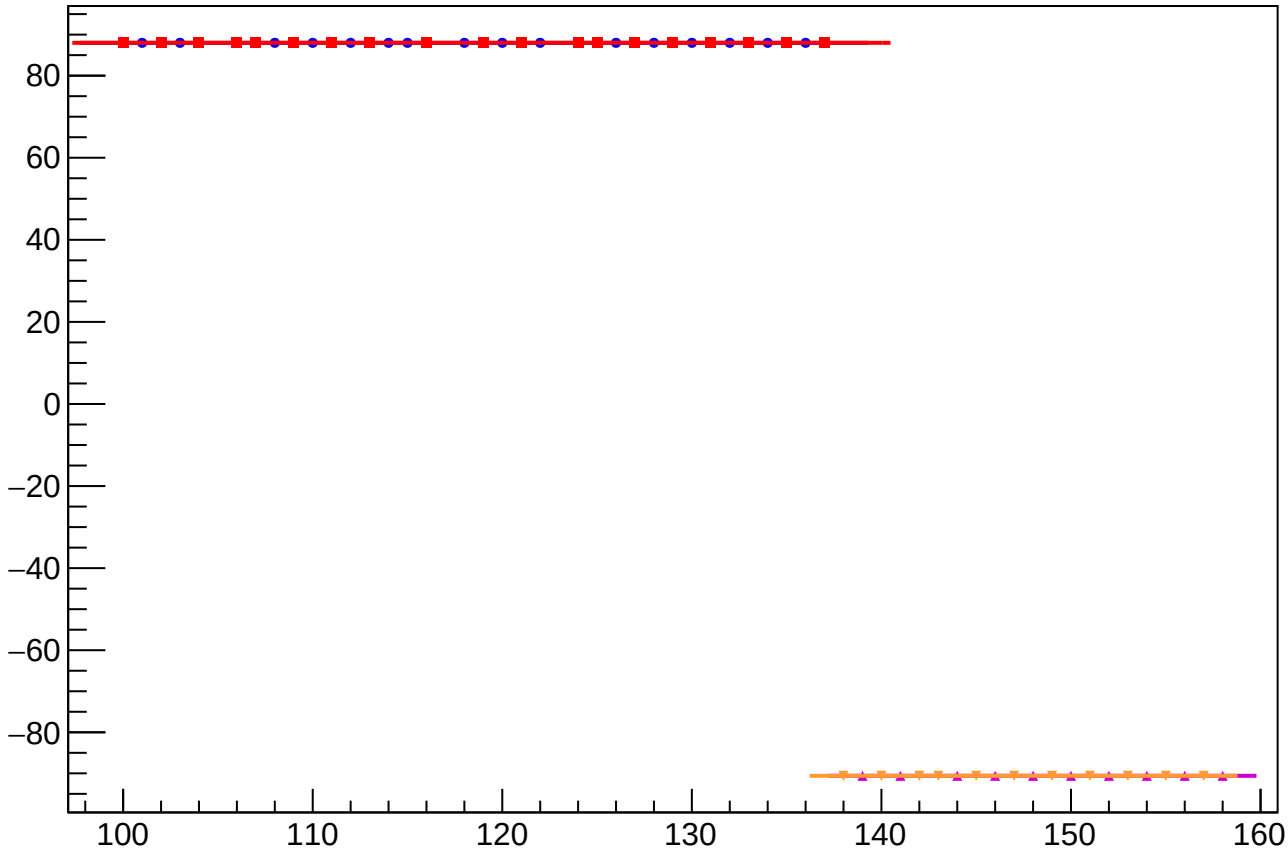
Left In: 0.009+/-0.000 χ^2/NDF:0.0/9

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/26

All: 0.009+/-0.000 χ^2/NDF: 0.4/55

- sign 0.009+/-0.000 χ^2/NDF: 0.2/28

VWienAngle_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF: 1500072.7/15

Left Out: -90.599+/-0.000 χ^2/NDF:2927847.8/10

Right Out: 88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

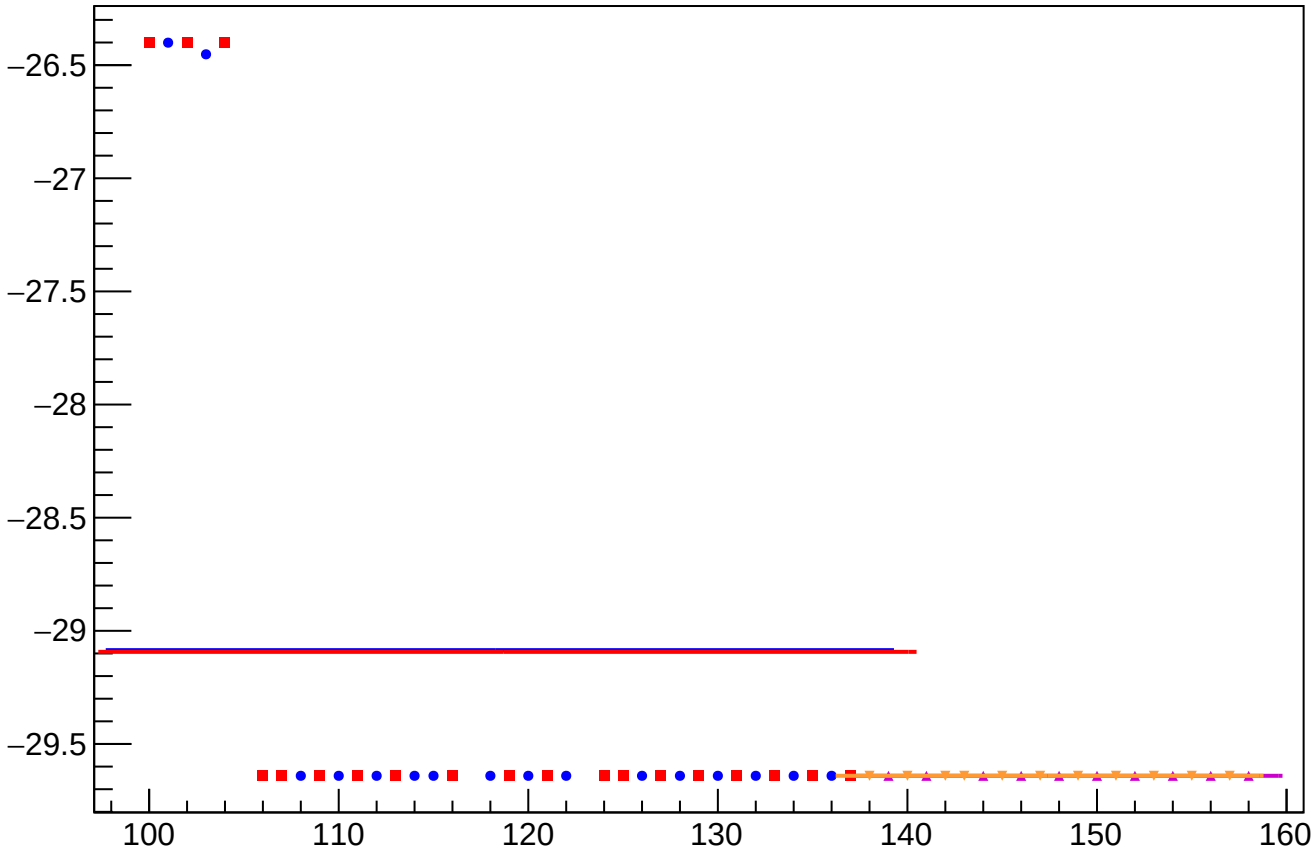
Left In: -90.599+/-0.000 χ^2/NDF:661381.0/9

+ sign -10.148+/-0.000 χ^2/NDF: 129892371291428

All: -9.495+/-0.000 χ^2/NDF: 2618939796531

- sign -8.851+/-0.000 χ^2/NDF: 13198769017310792

HWienAngle_mean vs Slug



Right In: -29.085+/-0.000 χ^2/NDF: 109436788525160987735503641195315 2.0/15

Left Out: -29.641+/-0.000 χ^2/NDF:173940.7/10

Right Out: -29.093+/-0.000 χ^2/NDF: 112523815674969284979780589977600 0.0/18

Left In: -29.641+/-0.000 χ^2/NDF:88655.3/9

+ sign -29.391+/-0.000 χ^2/NDF: 121993669641337

All: -29.390+/-0.000 χ^2/NDF: 246933400248

- sign -29.390+/-0.000 χ^2/NDF: 124939702171565

Right In: 1473.467+/-0.000 χ^2/NDF: 10689419486070617687848579370477158 4.0/15

Left Out: 1468.114+/-0.000 χ^2/NDF:133025308432353874865815333896192.0/10

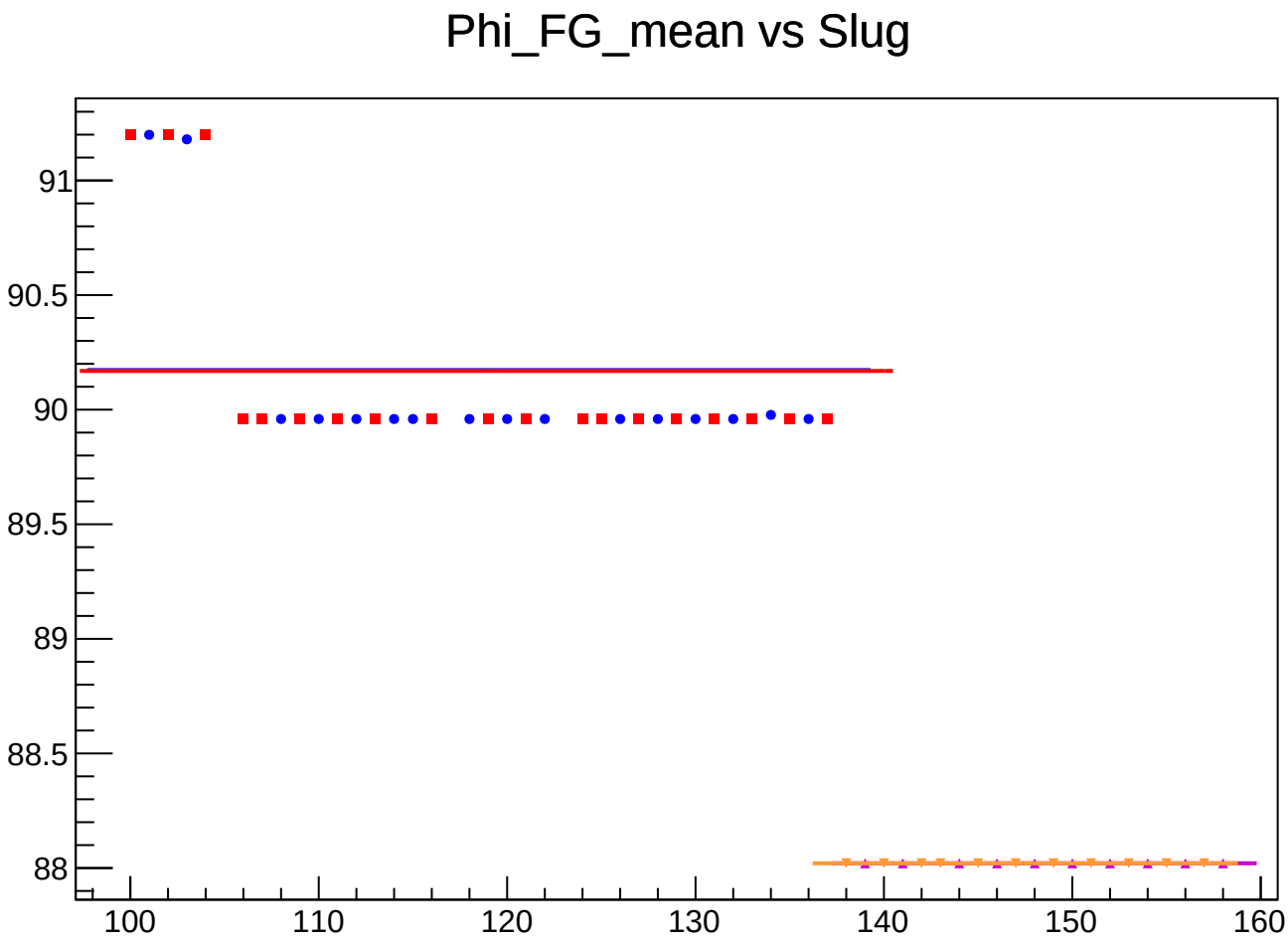
Right Out: 1473.393+/-0.000 χ^2/NDF: 10990949973340107876106784330062233 6.0/18

Left In: 1467.987+/-0.000 χ^2/NDF:866548672293382984379431649 28.0/9

+ sign 1470.525+/-0.000 χ^2/NDF: 11869892164507

All: 1470.493+/-0.000 χ^2/NDF: 2407036399

- sign 1470.462+/-0.000 χ^2/NDF: 12200135266766



Right In: 90.173+/-0.000 χ^2/NDF: 160010492173064584437589858058240.0/15

Left Out: 88.021+/-0.000 χ^2/NDF:2449028.1/10

Right Out: 90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

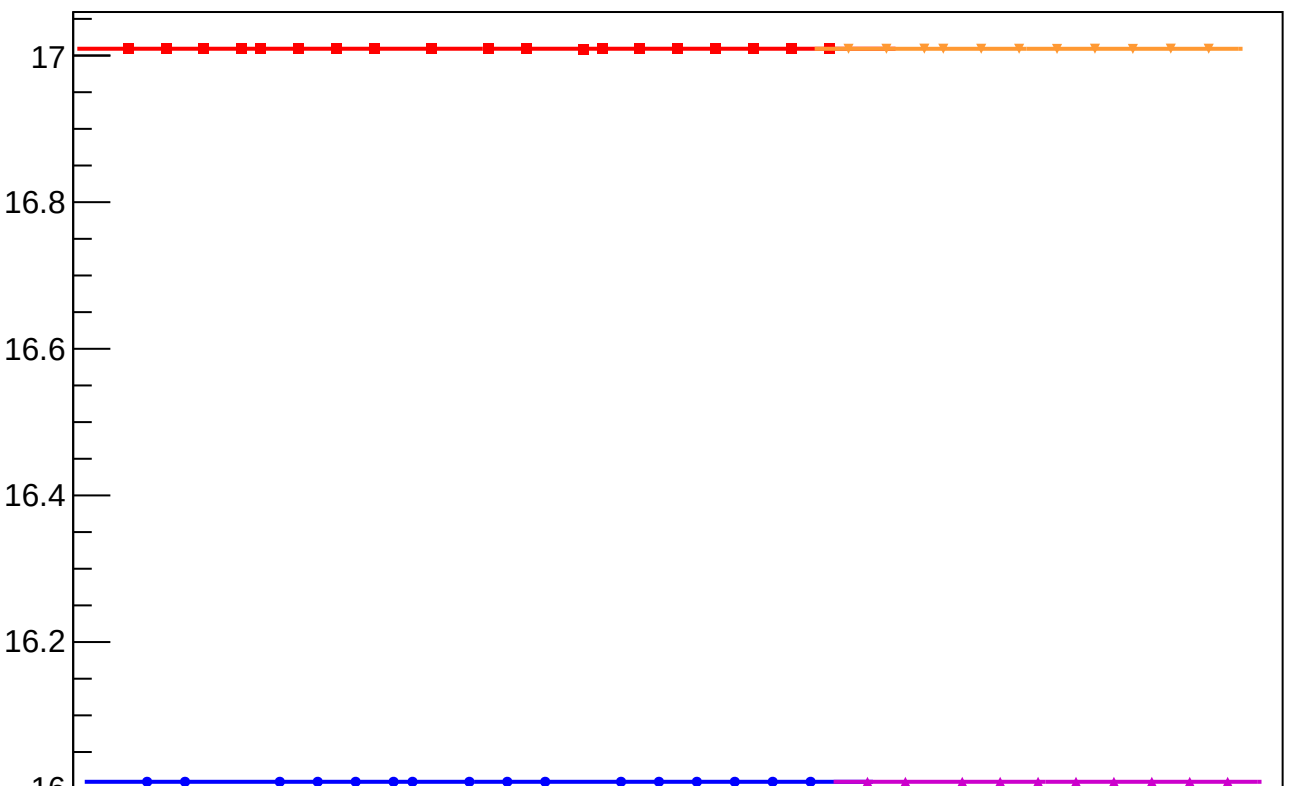
Left In: 88.021+/-0.000 χ^2/NDF:438430.0/9

+ sign 88.990+/-0.000 χ^2/NDF: 2045946954850506

All: 88.997+/-0.000 χ^2/NDF: 41204357721

- sign 89.004+/-0.000 χ^2/NDF: 2074329722832567

IGL1I00DI24_24M_mean vs Slug



Right In: 16.009+/-0.000 χ^2/NDF: 44239.3/15

Left Out: 17.009+/-0.000 χ^2/NDF:984838507190113763380428 8.0/10

Right Out: 17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

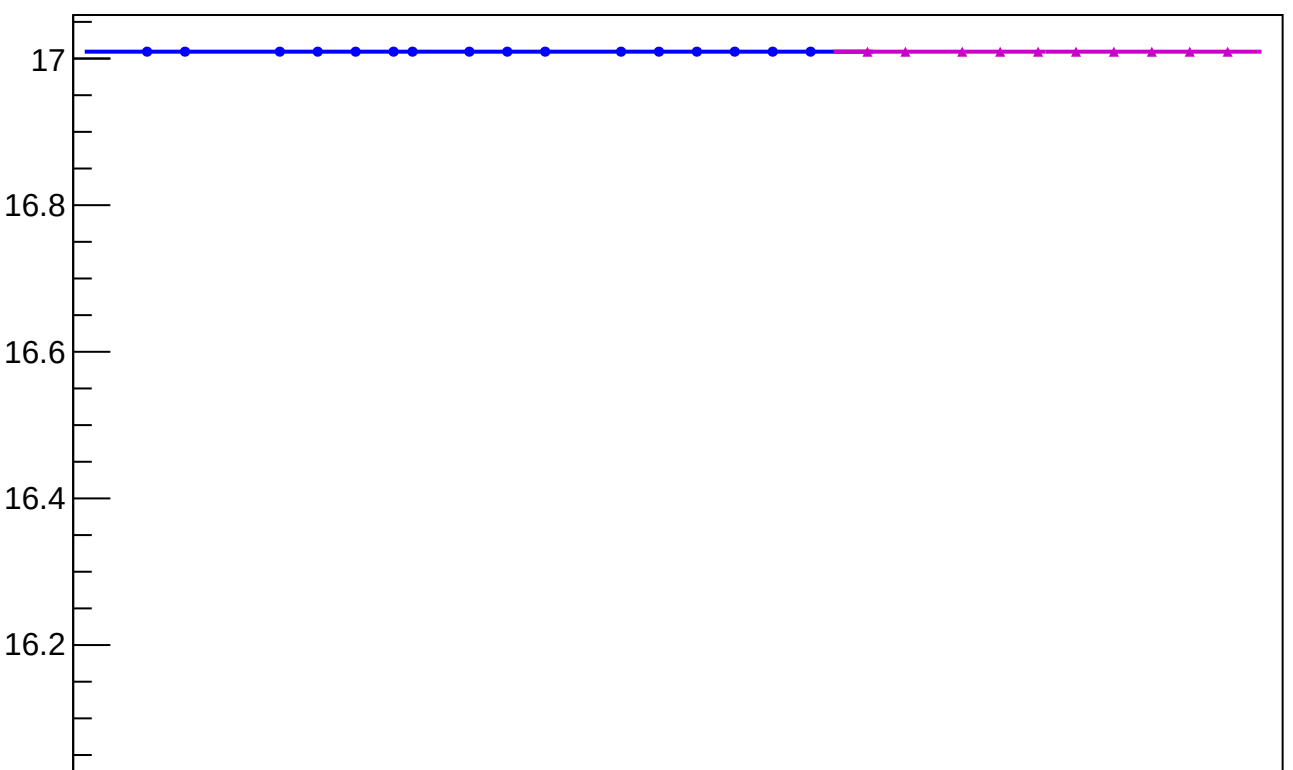
Left In: 16.009+/-0.000 χ^2/NDF:103284.0/9

+ sign 16.543+/-0.000 χ^2/NDF: 3746563934092618

All: 16.500+/-0.000 χ^2/NDF: 761570042185

- sign 16.459+/-0.000 χ^2/NDF: 3814856687334515

IGL1I00OD16_16_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF: 126634.3/15

Left Out: 16.009+/-0.000 χ^2/NDF:45047.1/10

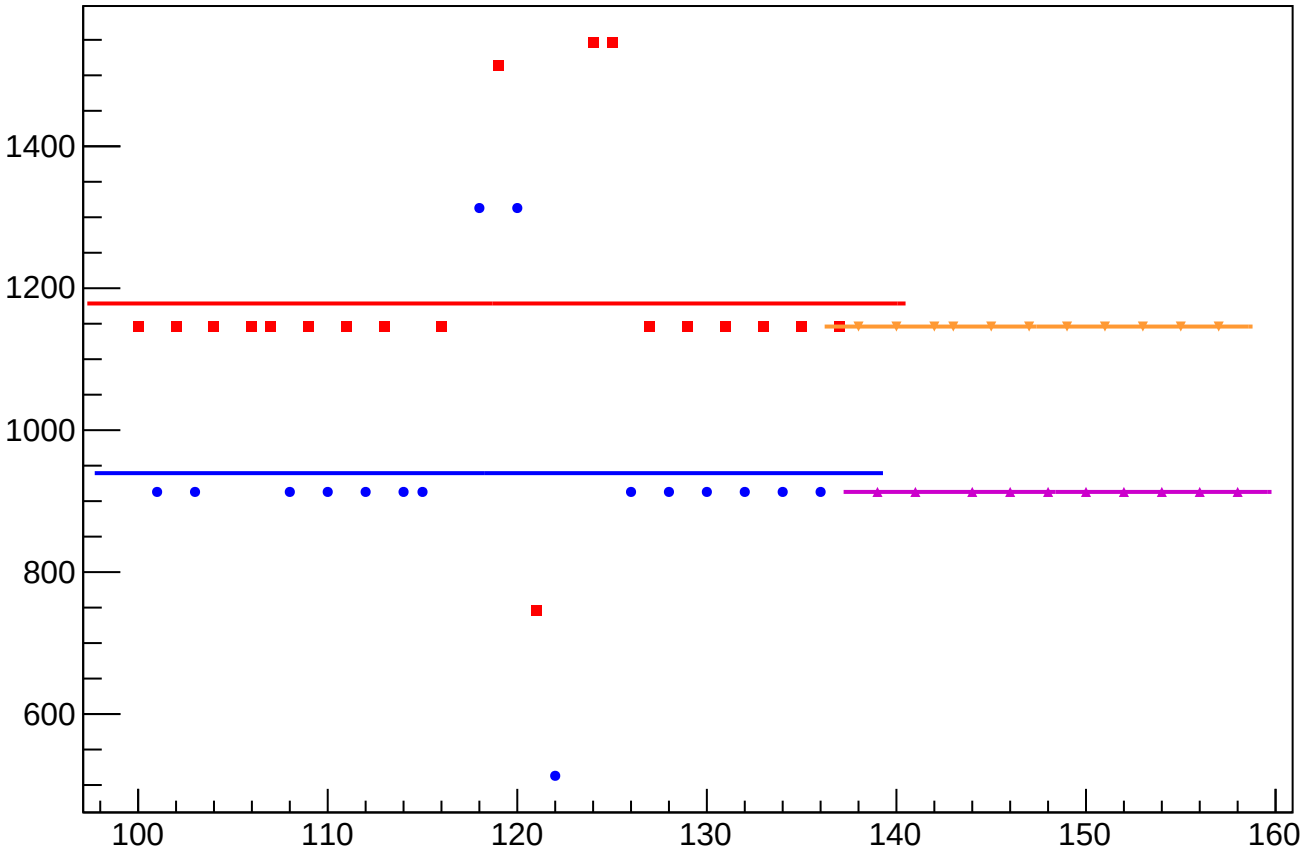
Right Out: 16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: 17.009+/-0.000 χ^2/NDF:3433.1/9

+ sign 16.451+/-0.000 χ^2/NDF: 3949843945068659

All: 16.503+/-0.000 χ^2/NDF: 816108422664

- sign 16.553+/-0.000 χ^2/NDF: 4125892964521596



Right In: 939.446+/-0.000 χ^2/NDF: 21082933856092788763552768673189986304.0/15

+ sign 1052.962+/-0.000 χ^2/NDF: 3845826349478

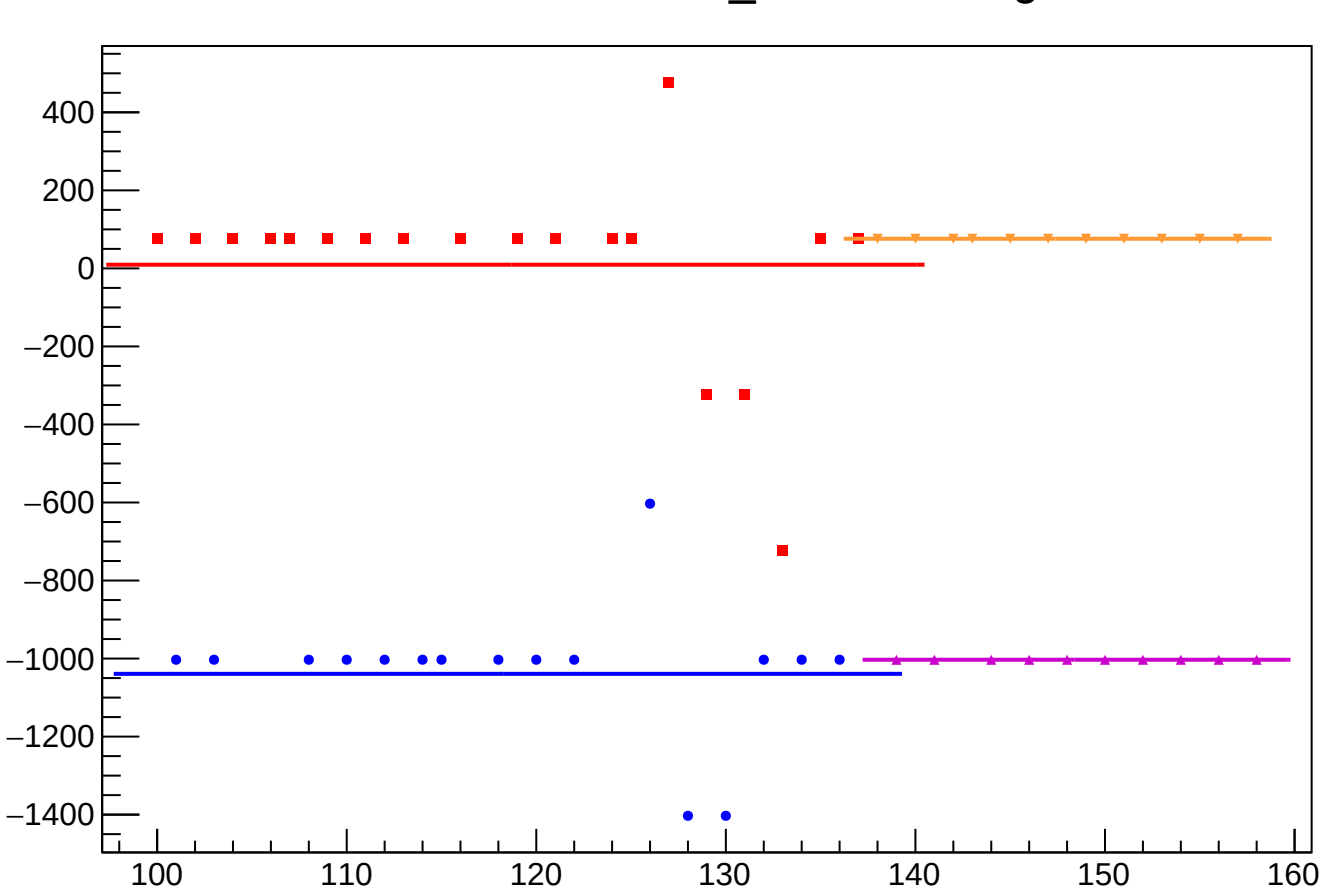
Left Out: 1146.011+/-0.000 χ^2/NDF:280444506457245617081443942 4.0/10

All: 1043.682+/-0.000 χ^2/NDF: 900508650

Right Out: 1178.513+/-0.000 χ^2/NDF: 22140259958123277565481106114837741568.0/18

- sign 1034.524+/-0.000 χ^2/NDF: 51311120856986

Left In: 912.994+/-0.000 χ^2/NDF:10282041872709593162498179072.0/9



Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911104.0/15

+ sign -426.323+/-0.000 χ^2/NDF: 52927843747547

Left Out: 76.010+/-0.000 χ^2/NDF:3051899921058532227471638528.0/10

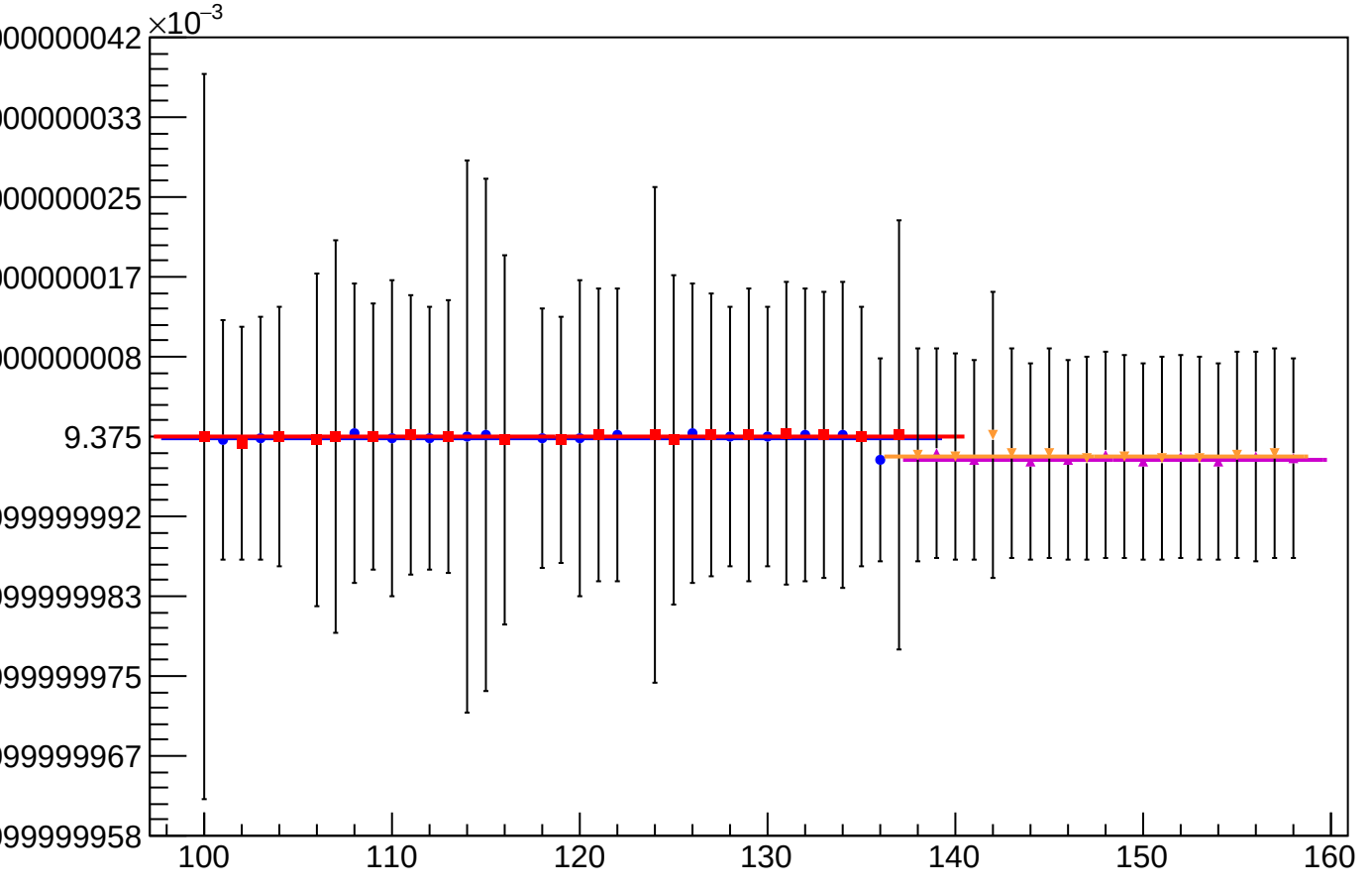
All: -483.336+/-0.000 χ^2/NDF: 10100691155

Right Out: 9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515409920.0/18

- sign -539.597+/-0.000 χ^2/NDF: 47016717847716

Left In: -1002.990+/-0.000 χ^2/NDF:14786867856529608613266718720.0/9

RTPPITA1CNT_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/10

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

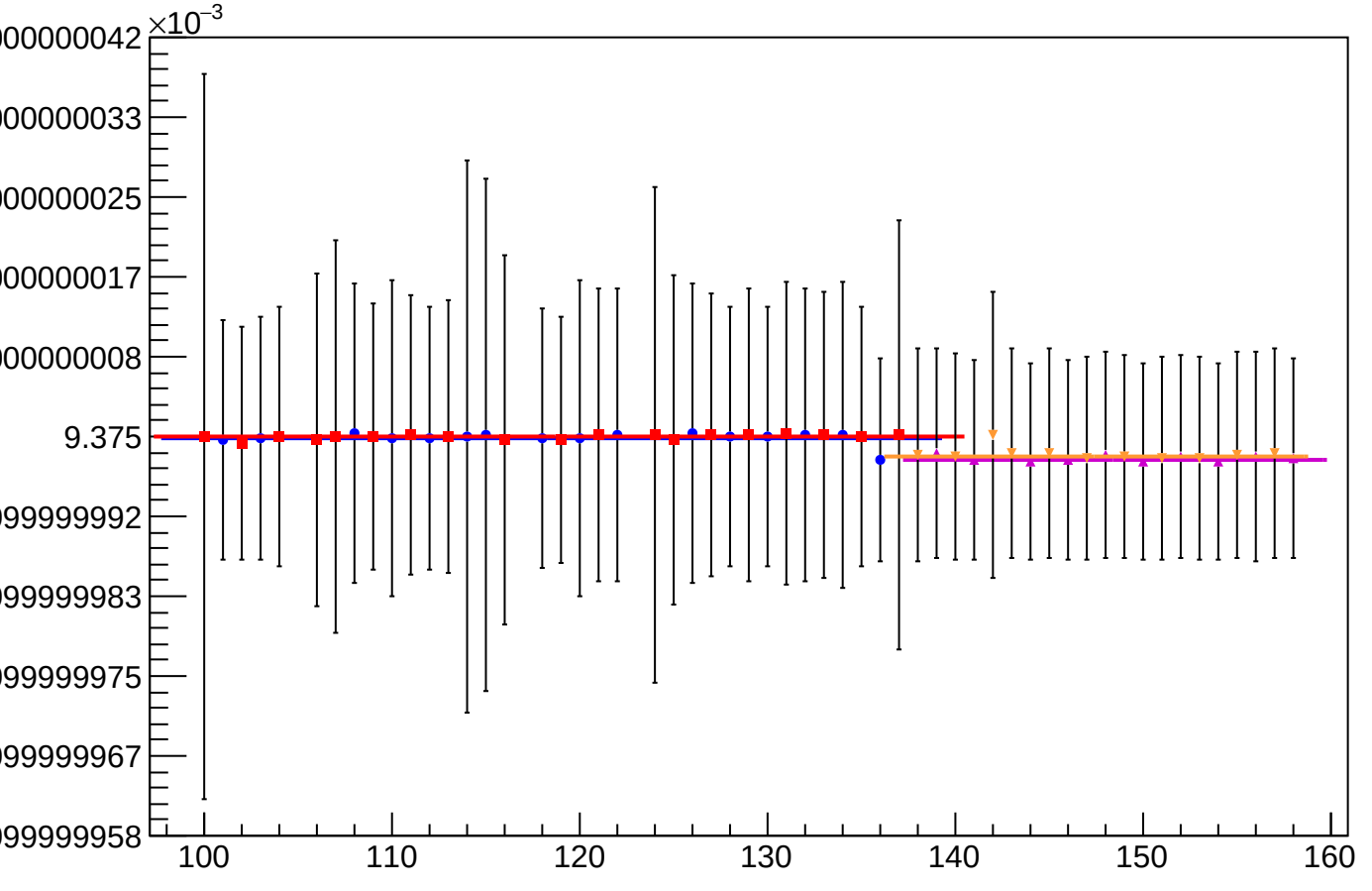
Left In: 0.009+/-0.000 χ^2/NDF:0.0/9

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/26

All: 0.009+/-0.000 χ^2/NDF: 0.4/55

- sign 0.009+/-0.000 χ^2/NDF: 0.2/28

RTPPITA2CNT_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/10

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: 0.009+/-0.000 χ^2/NDF:0.0/9

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/26

All: 0.009+/-0.000 χ^2/NDF: 0.4/55

- sign 0.009+/-0.000 χ^2/NDF: 0.2/28