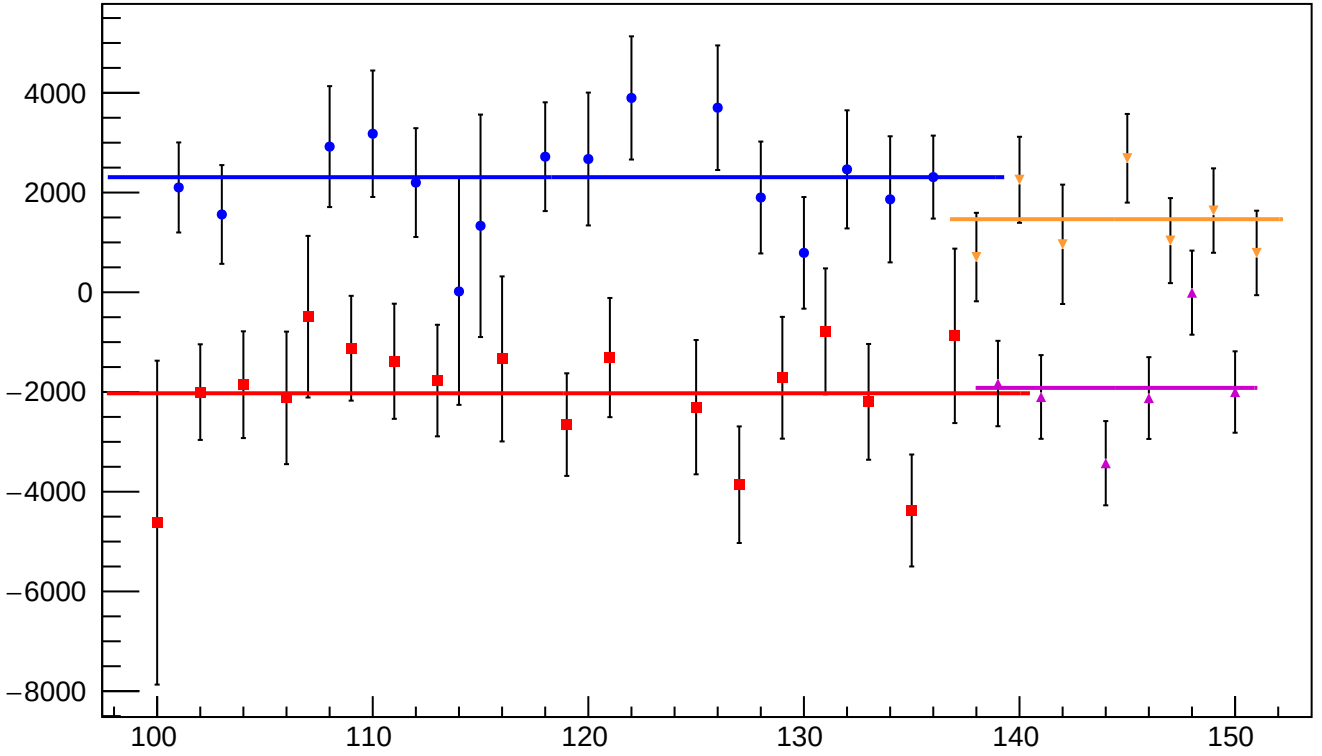
reg_asym_us_avg_mean vs Slug



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

Left Out: 1465.570+/-338.260 χ^2/NDF:4.6/6

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

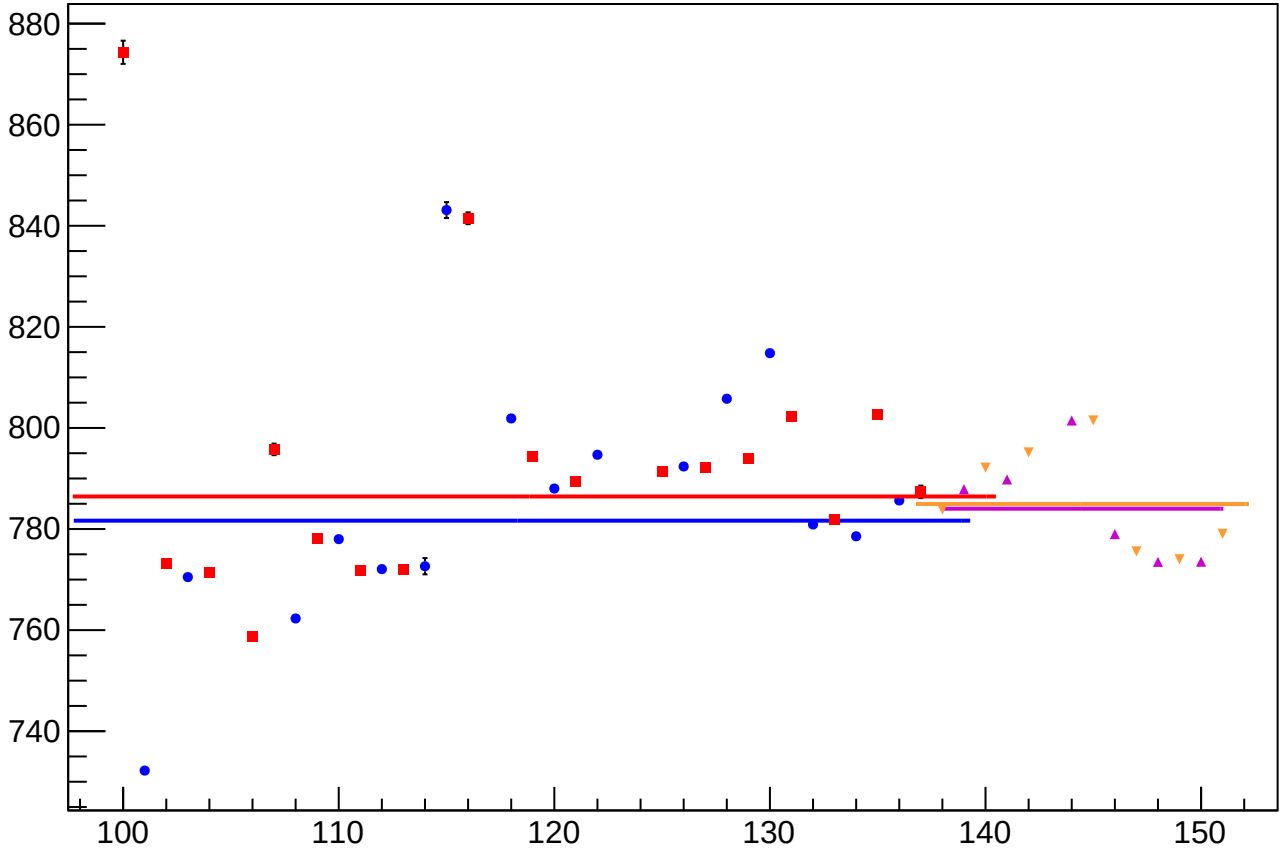
Left In: -1917.511+/-341.479 χ^2/NDF:8.5/5

+ sign 1950.595+/-220.353 χ^2/NDF: 15.9/22

All: -9.523+/-156.025 χ^2/NDF: 195.1/46

- sign -1980.361+/-220.955 χ^2/NDF: 20.5/23

reg_asym_us_avg_rms vs Slug



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

Left Out: 784.951+/-0.239 χ^2/NDF:1651.2/6

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

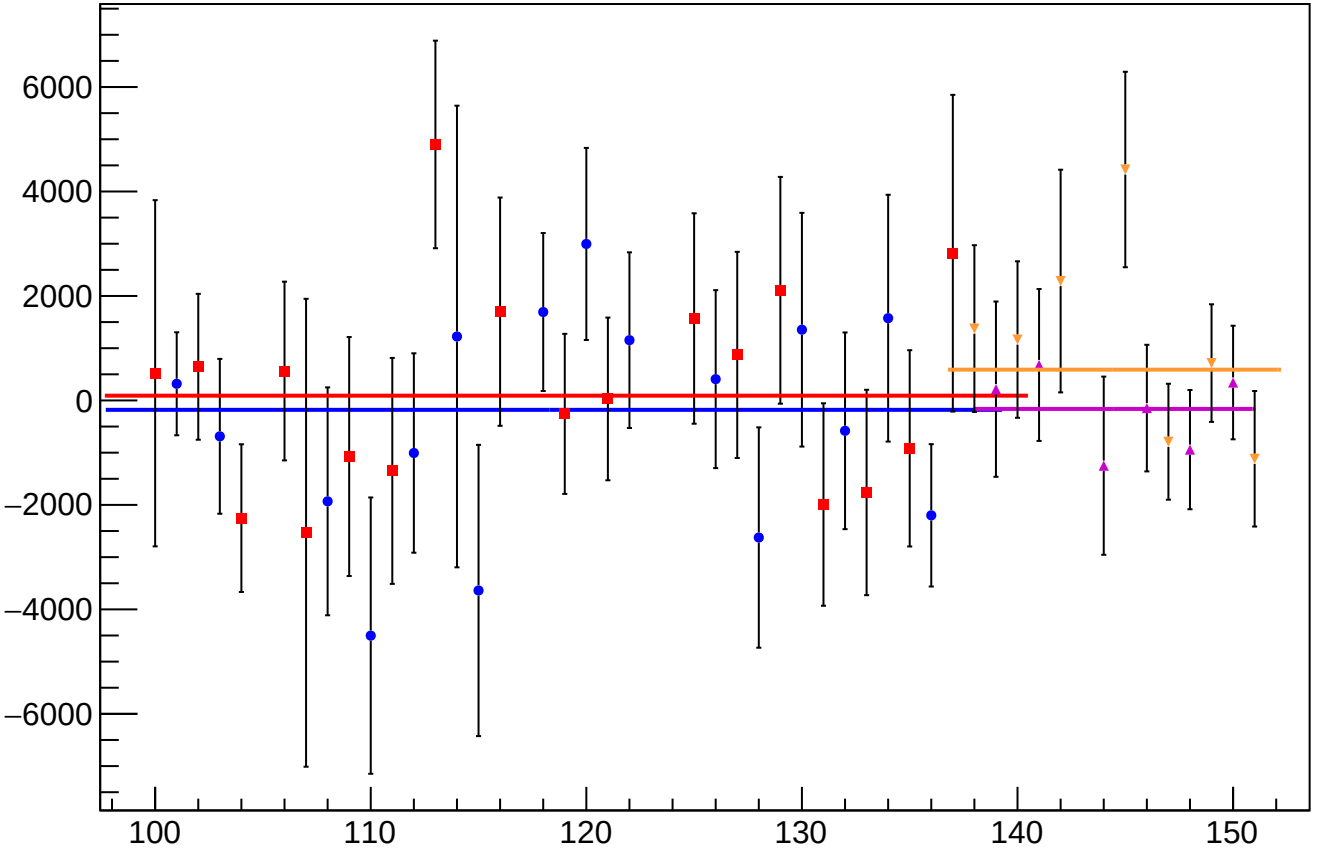
Left In: 784.020+/-0.241 χ^2/NDF:1706.0/5

+ sign 783.053+/-0.156 χ^2/NDF: 14079.6/22

All: 784.238+/-0.110 χ^2/NDF: 23161.7/46

- sign 785.429+/-0.156 χ^2/NDF: 8966.1/23

asym_us_avg_reg_correction_mean vs Slug



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

Left Out: 588.911+/-531.527 χ^2/NDF:8.5/6

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

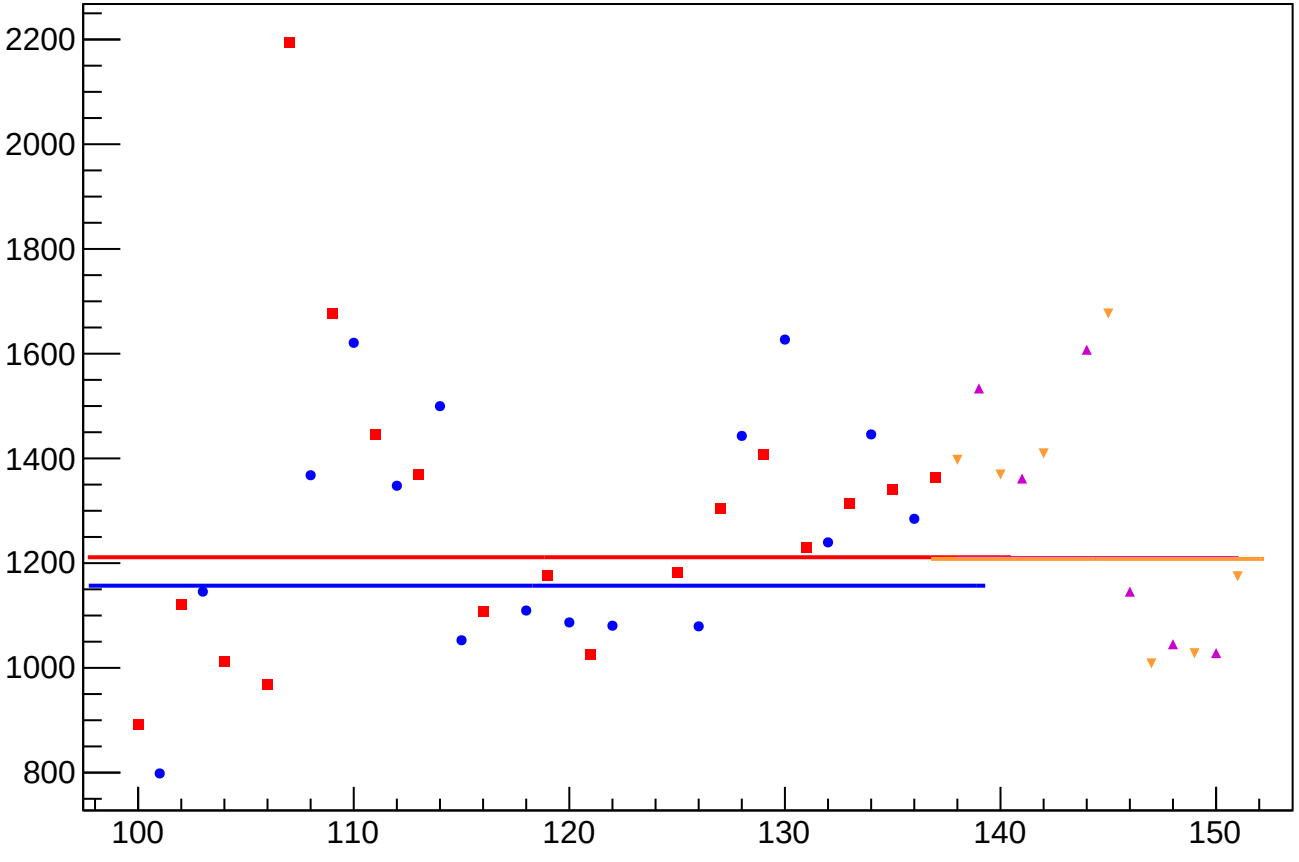
Left In: -162.839+/-537.063 χ^2/NDF:1.5/5

+ sign 133.346+/-339.290 χ^2/NDF: 25.1/22

All: 60.932+/-242.621 χ^2/NDF: 42.0/46

- sign -14.846+/-347.077 χ^2/NDF: 16.8/23

asym_us_avg_reg_correction_rms vs Slug



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

Left Out: 1208.163+/-0.376 χ^2/NDF:311866.3/6

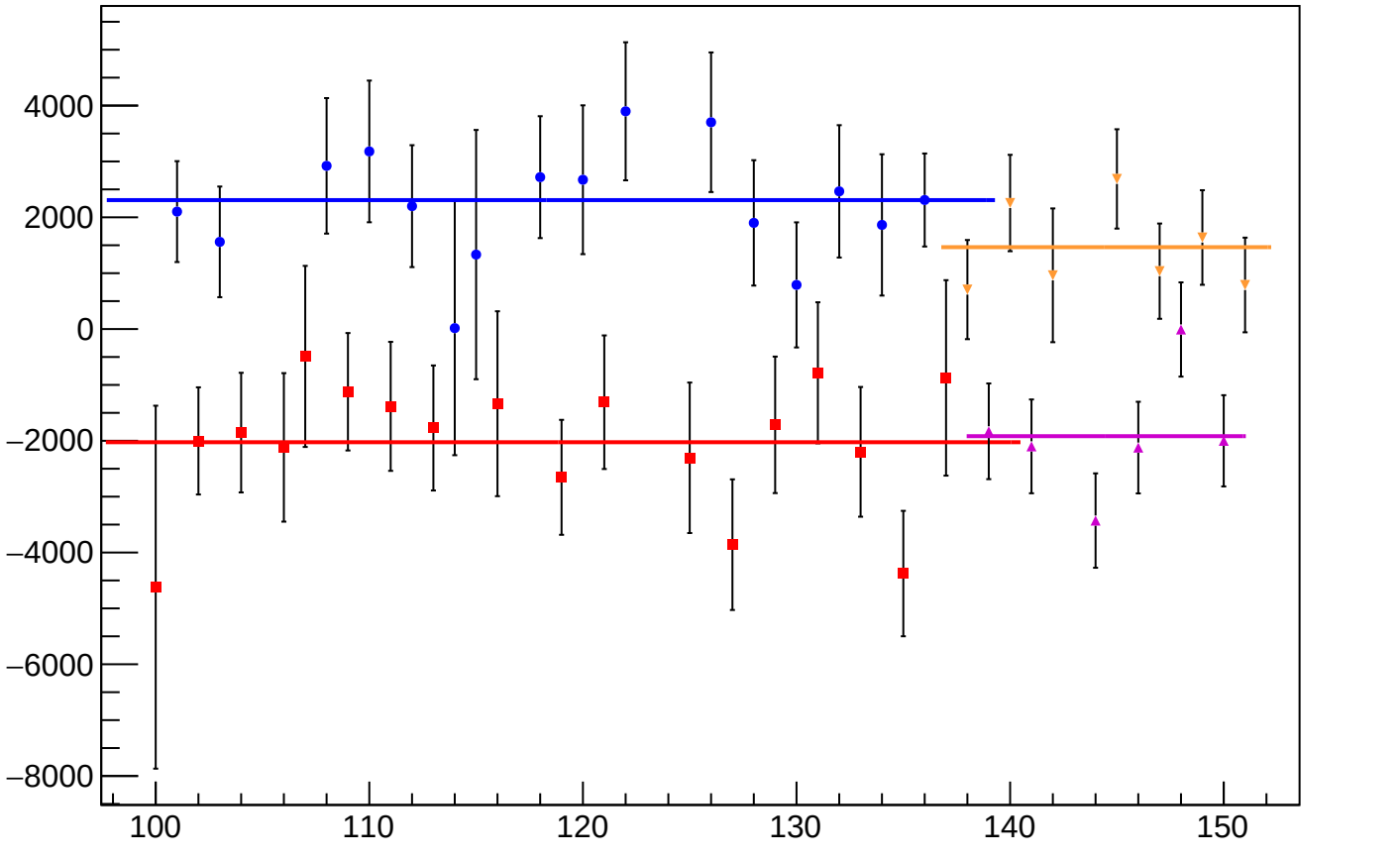
Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

Left In: 1209.762+/-0.380 χ^2/NDF:308137.5/5

\+ sign 1177.816+/-0.240 χ^2/NDF: 891988.5/22

All: 1193.854+/-0.172 χ^2/NDF: 1606994.4/46

\- sign 1210.637+/-0.245 χ^2/NDF: 705861.1/23



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

Left Out: 1465.570+/-338.260 χ^2/NDF:4.6/6

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

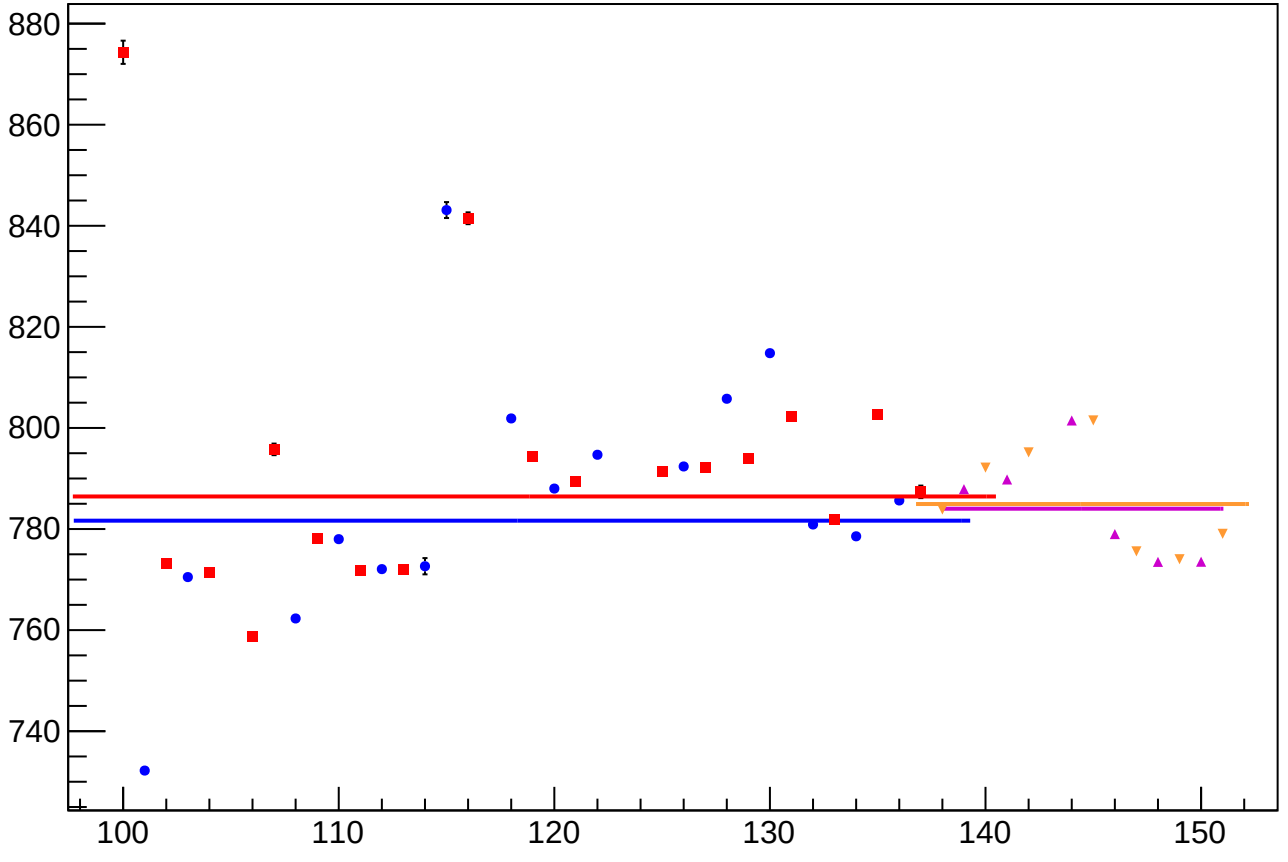
Left In: -1917.511+/-341.479 χ^2/NDF:8.5/5

+ sign 1950.595+/-220.353 χ^2/NDF: 15.9/22

All: -9.523+/-156.025 χ^2/NDF: 195.1/46

- sign -1980.361+/-220.955 χ^2/NDF: 20.5/23

cor_asym_us_avg_rms vs Slug



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

Left Out: 784.951+/-0.239 χ^2/NDF:1651.2/6

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

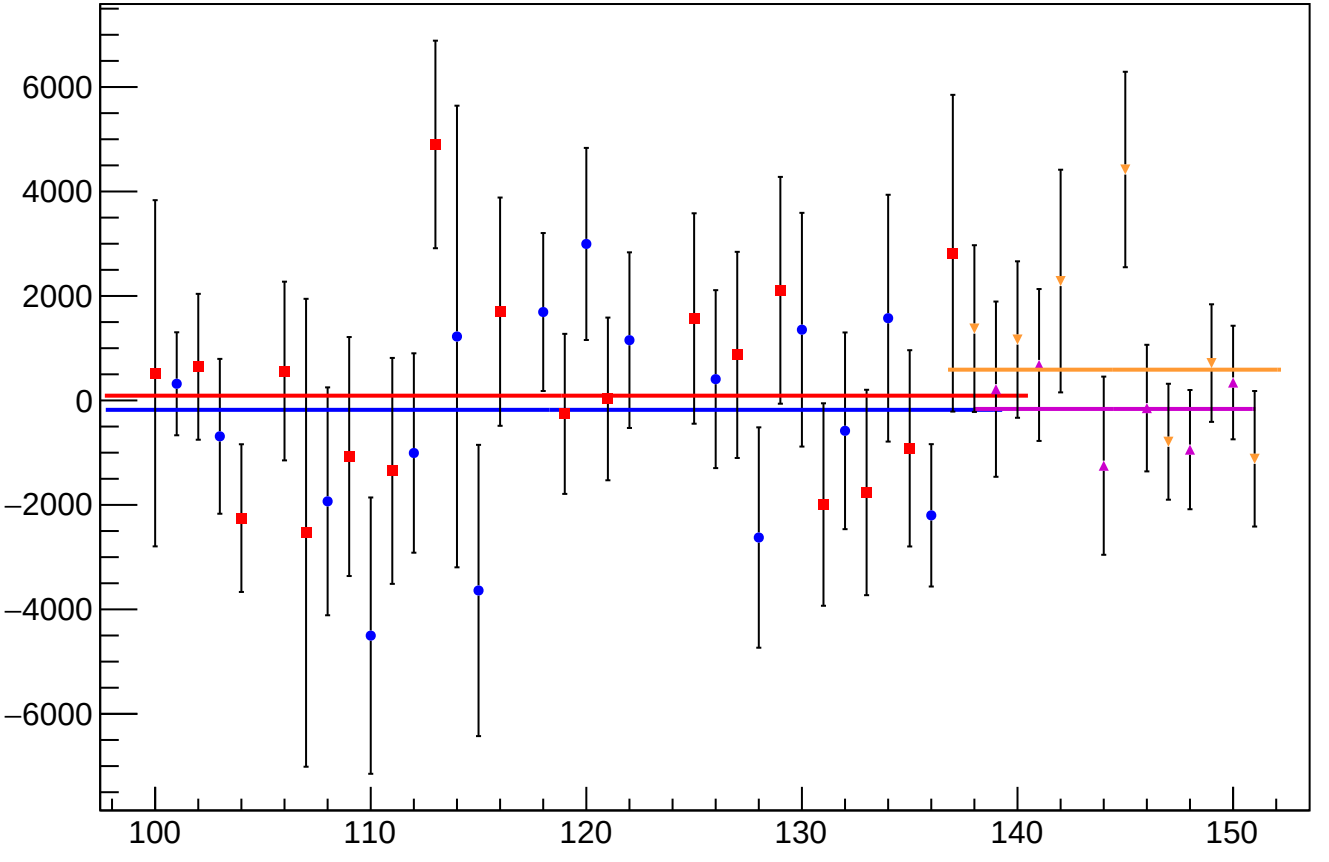
Left In: 784.020+/-0.241 χ^2/NDF:1706.0/5

+ sign 783.053+/-0.156 χ^2/NDF: 14079.6/22

All: 784.238+/-0.110 χ^2/NDF: 23161.7/46

- sign 785.429+/-0.156 χ^2/NDF: 8966.1/23

asym_us_avg_cor_correction_mean vs Slug



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

Left Out: 588.911+/-531.527 χ^2/NDF:8.5/6

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

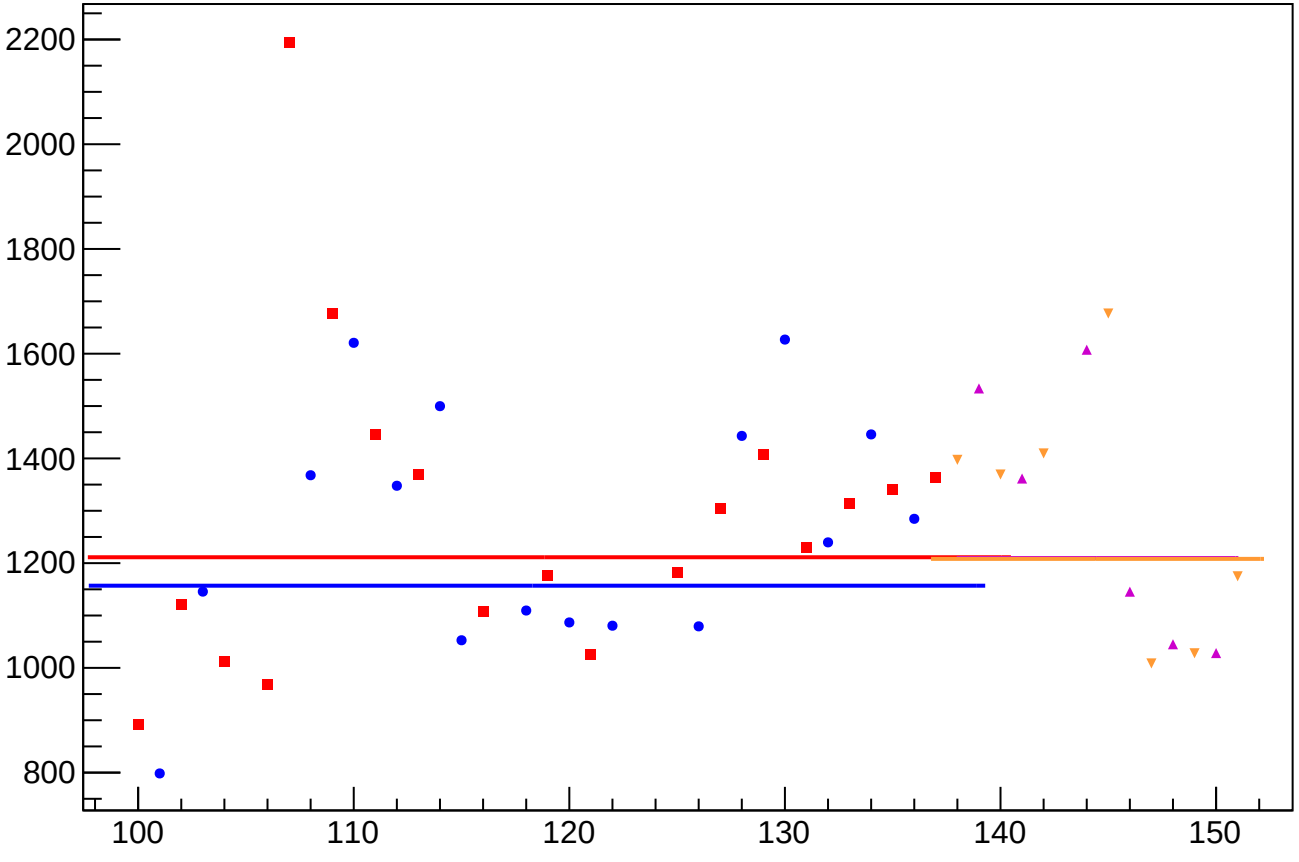
Left In: -162.839+/-537.063 χ^2/NDF:1.5/5

+ sign 133.346+/-339.290 χ^2/NDF: 25.1/22

All: 60.932+/-242.621 χ^2/NDF: 42.0/46

- sign -14.846+/-347.077 χ^2/NDF: 16.8/23

asym_us_avg_cor_correction_rms vs Slug



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

Left Out: 1208.163+/-0.376 χ^2/NDF:311866.3/6

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

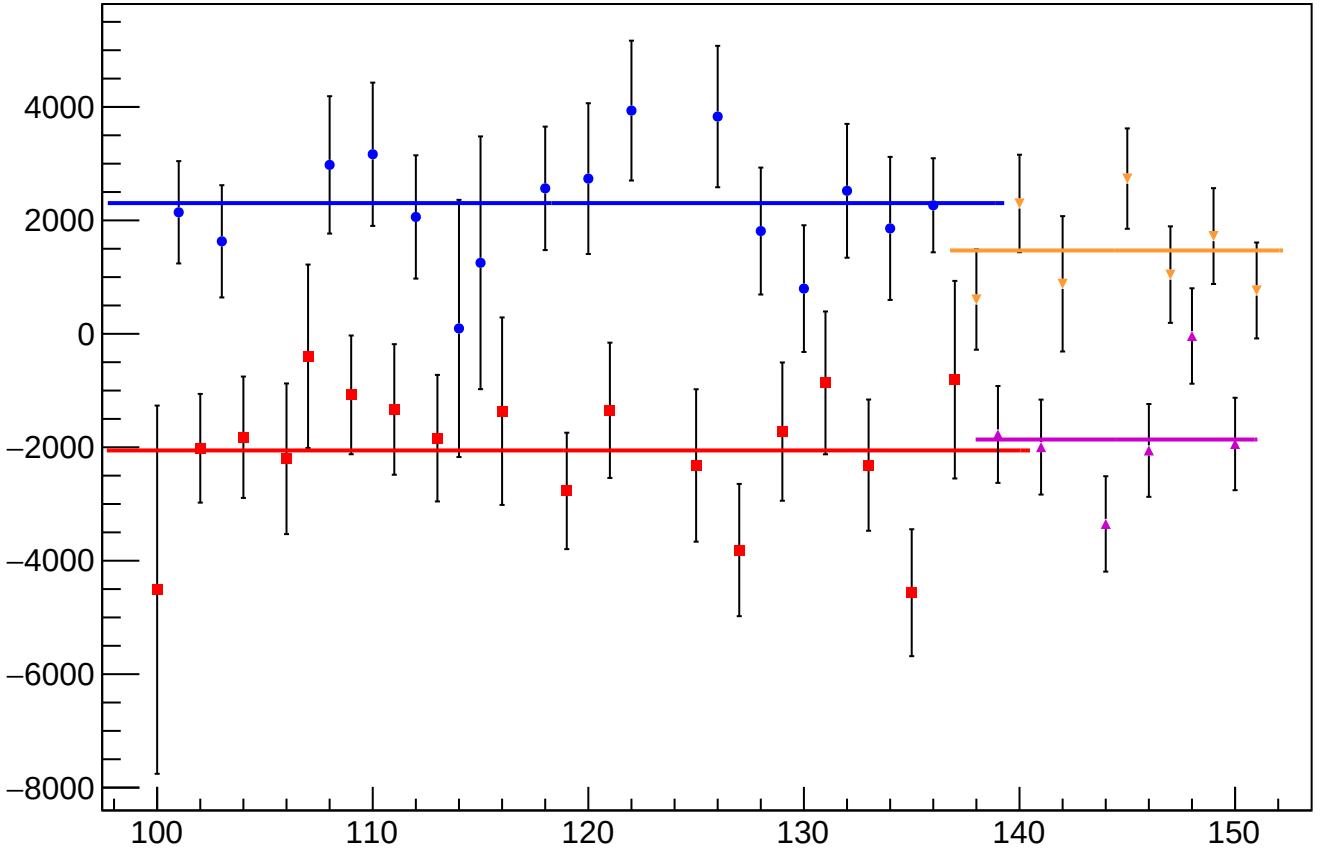
Left In: 1209.762+/-0.380 χ^2/NDF:308137.5/5

+ sign 1177.816+/-0.240 χ^2/NDF: 891988.5/22

All: 1193.854+/-0.172 χ^2/NDF: 1606994.4/46

- sign 1210.637+/-0.245 χ^2/NDF: 705861.1/23

overload_cor_asym_us_avg_mean vs Slug



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

Left Out: 1470.054+/-337.240 χ^2/NDF:5.2/6

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

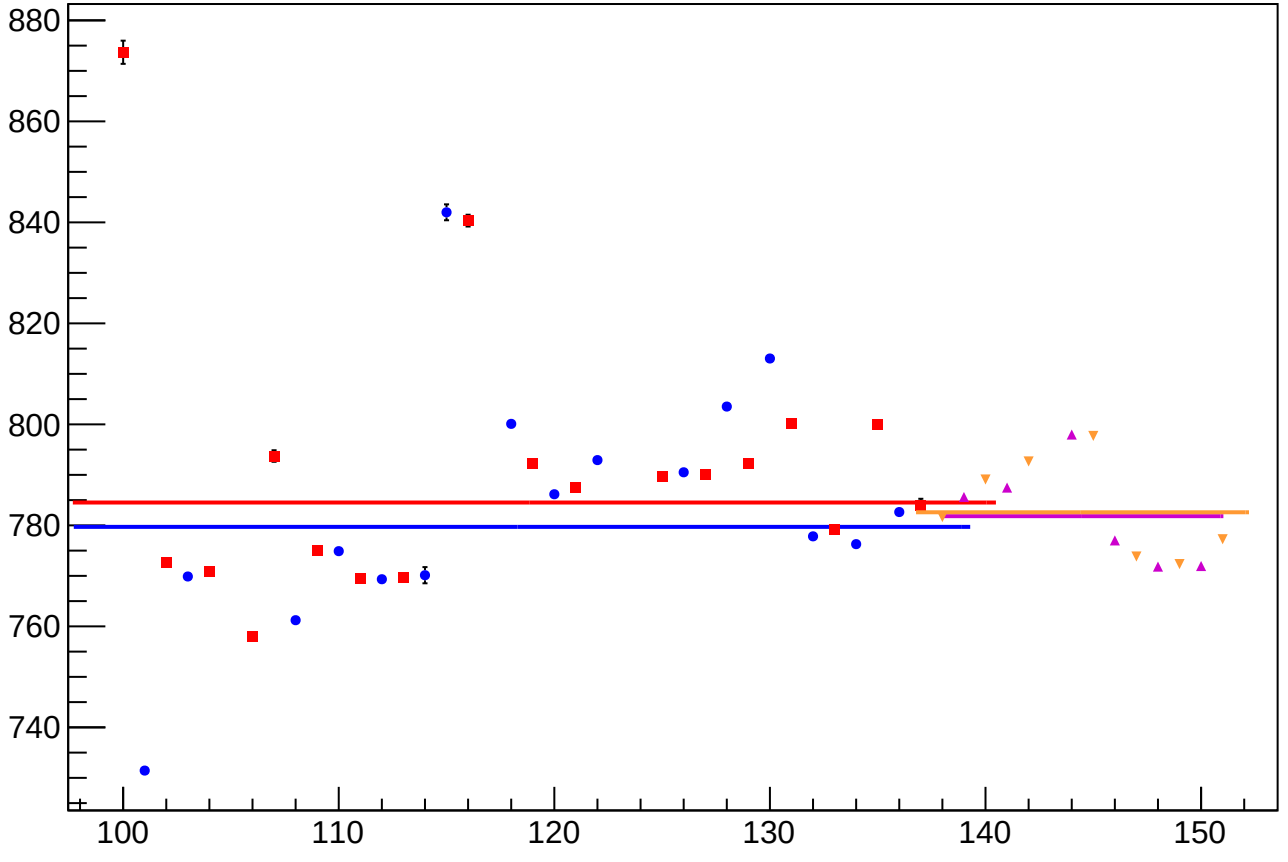
Left In: -1863.330+/-340.518 χ^2/NDF:7.9/5

+ sign 1950.387+/-219.753 χ^2/NDF: 16.8/22

All: -6.759+/-155.610 χ^2/NDF: 196.9/46

- sign -1975.105+/-220.381 χ^2/NDF: 21.0/23

overload_cor_asym_us_avg_rms vs Slug



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

Left Out: 782.592+/-0.238 χ^2/NDF:1429.1/6

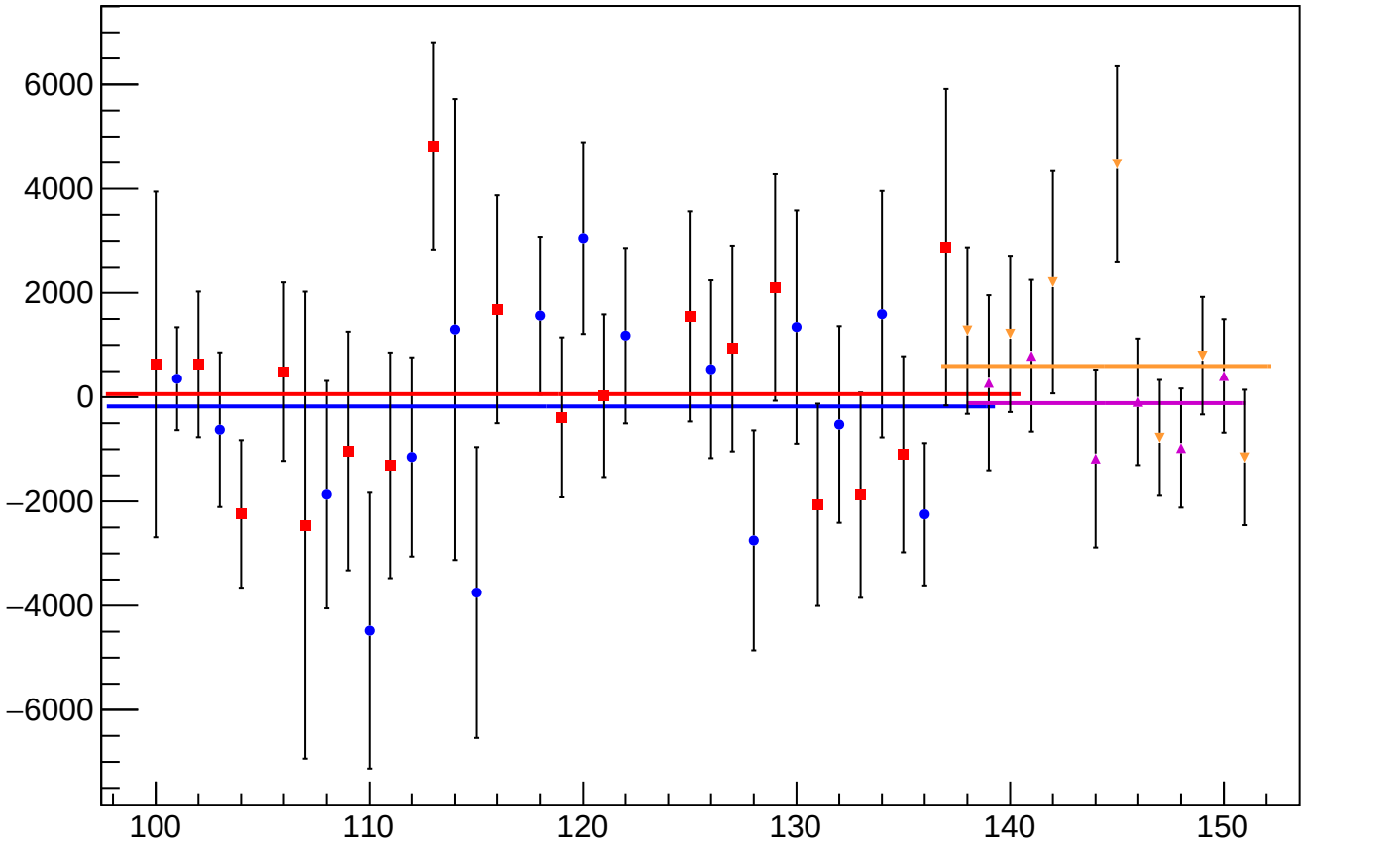
Right Out: 784.524+/-0.204 χ^2/NDF: 7160.0/17

Left In: 781.823+/-0.241 χ^2/NDF:1514.0/5

+ sign 780.929+/-0.155 χ^2/NDF: 13573.8/22

All: 782.158+/-0.110 χ^2/NDF: 22446.4/46

- sign 783.393+/-0.156 χ^2/NDF: 8747.3/23



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

Left Out: 597.681+/-532.150 χ^2/NDF:8.6/6

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

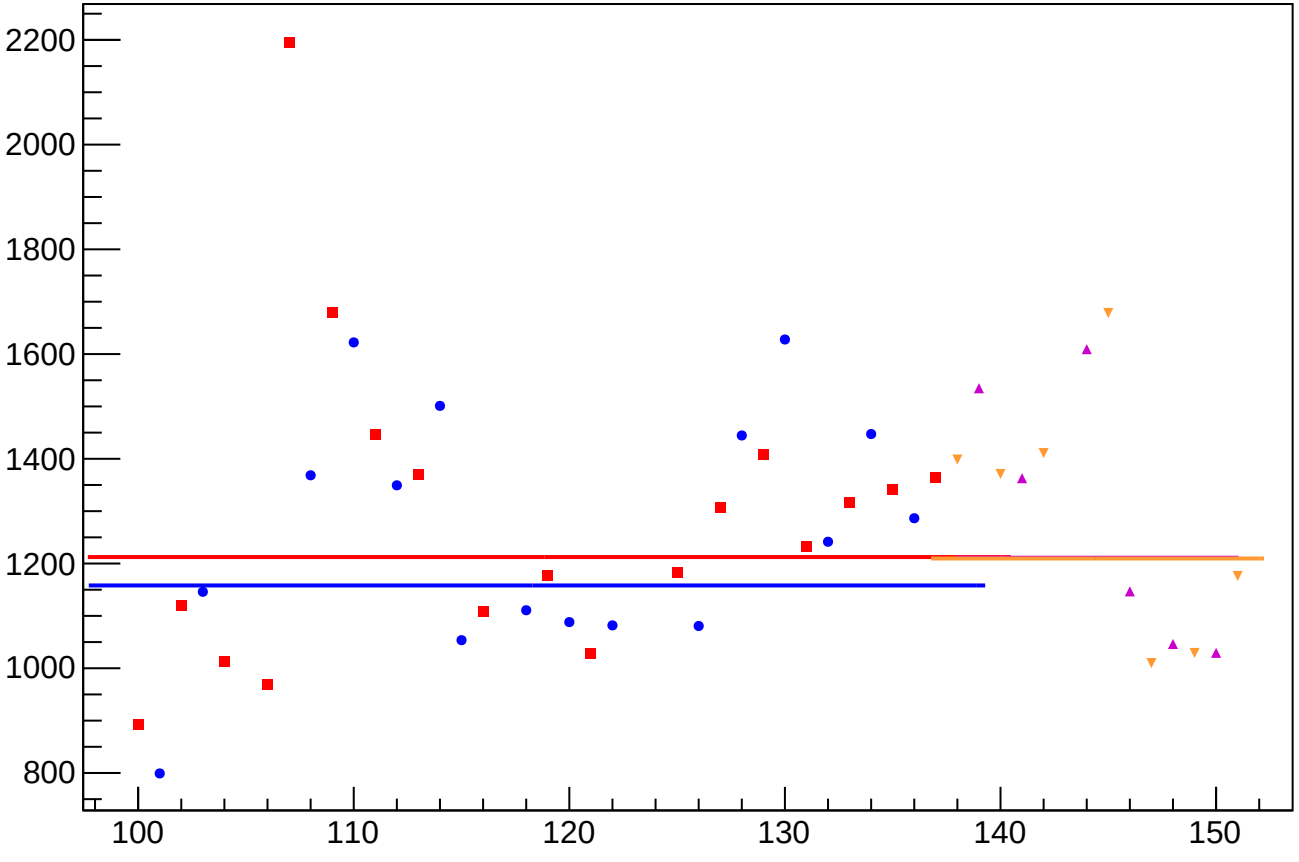
Left In: -114.728+/-537.645 χ^2/NDF:1.6/5

+ sign 137.733+/-339.655 χ^2/NDF: 25.6/22

All: 63.532+/-242.869 χ^2/NDF: 42.6/46

- sign -14.099+/-347.415 χ^2/NDF: 17.0/23

asym_us_avg_overload_cor_correction_rms vs Slug



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

Left Out: 1209.618+/-0.376 χ^2/NDF:311497.2/6

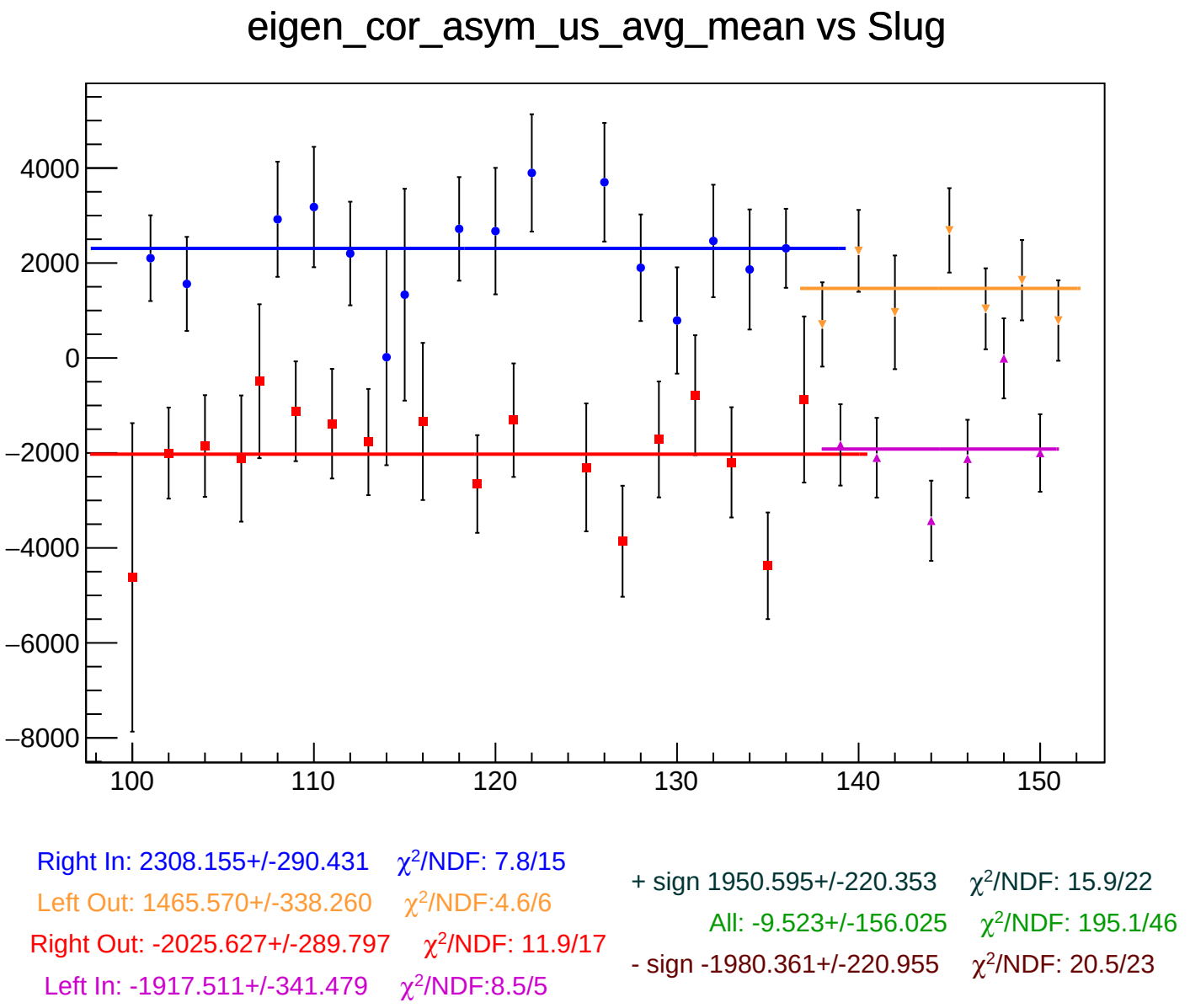
Right Out: 1212.347+/-0.322 χ^2/NDF: 397938.1/17

Left In: 1211.102+/-0.380 χ^2/NDF:307796.2/5

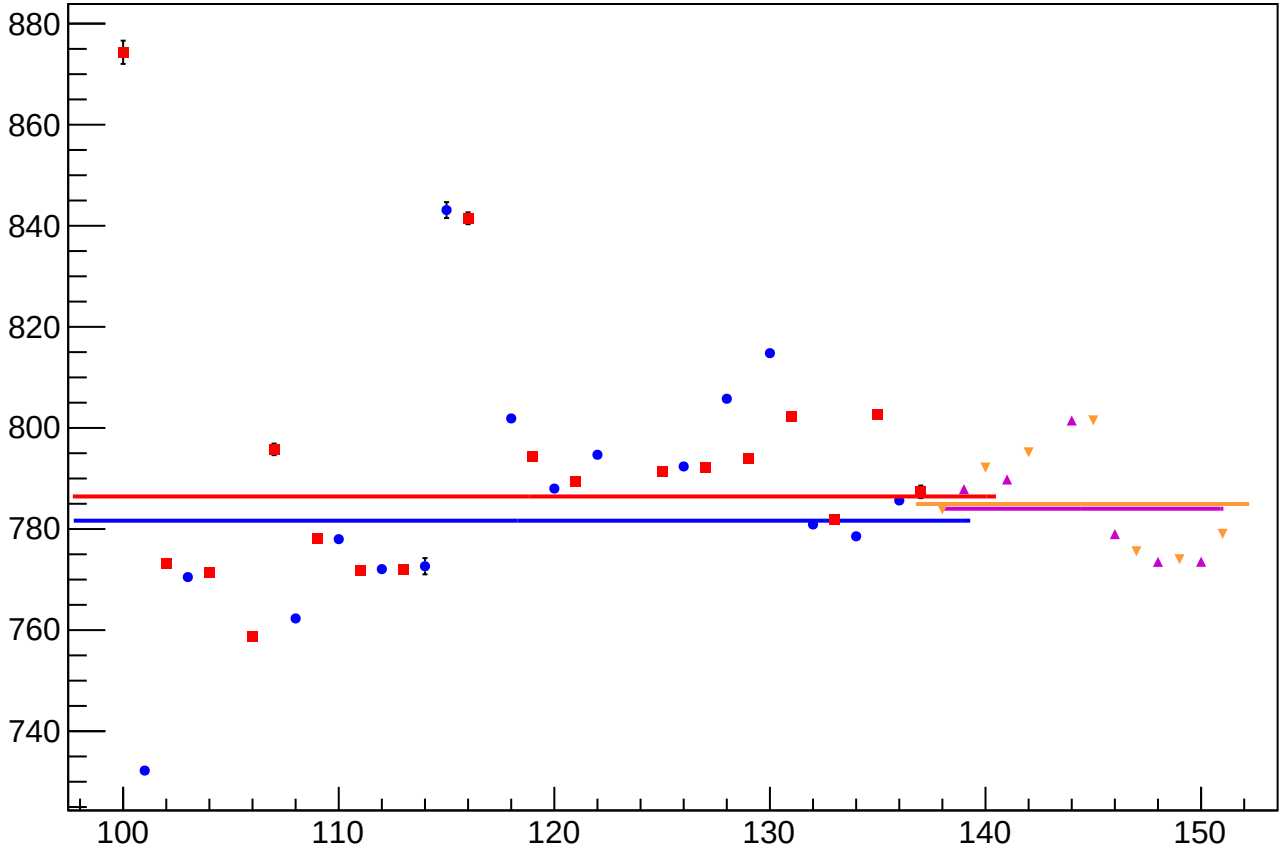
\+ sign 1179.108+/-0.240 χ^2/NDF: 891735.9/22

All: 1195.098+/-0.172 χ^2/NDF: 1606546.5/46

\- sign 1211.827+/-0.246 χ^2/NDF: 705740.5/23


eigen_cor_asym_us_avg_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
Right In: 2308.155+/-290.431 χ²/NDF: 7.8/15
Left Out: 1465.570+/-338.260 χ²/NDF:4.6/6
Right Out: -2025.627+/-289.797 χ²/NDF: 11.9/17
Left In: -1917.511+/-341.479 χ²/NDF:8.5/5
+ sign 1950.595+/-220.353 χ²/NDF: 15.9/22
All: -9.523+/-156.025 χ²/NDF: 195.1/46
- sign -1980.361+/-220.955 χ²/NDF: 20.5/23

eigen_cor_asym_us_avg_rms vs Slug



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

Left Out: 784.951+/-0.239 χ^2/NDF:1651.2/6

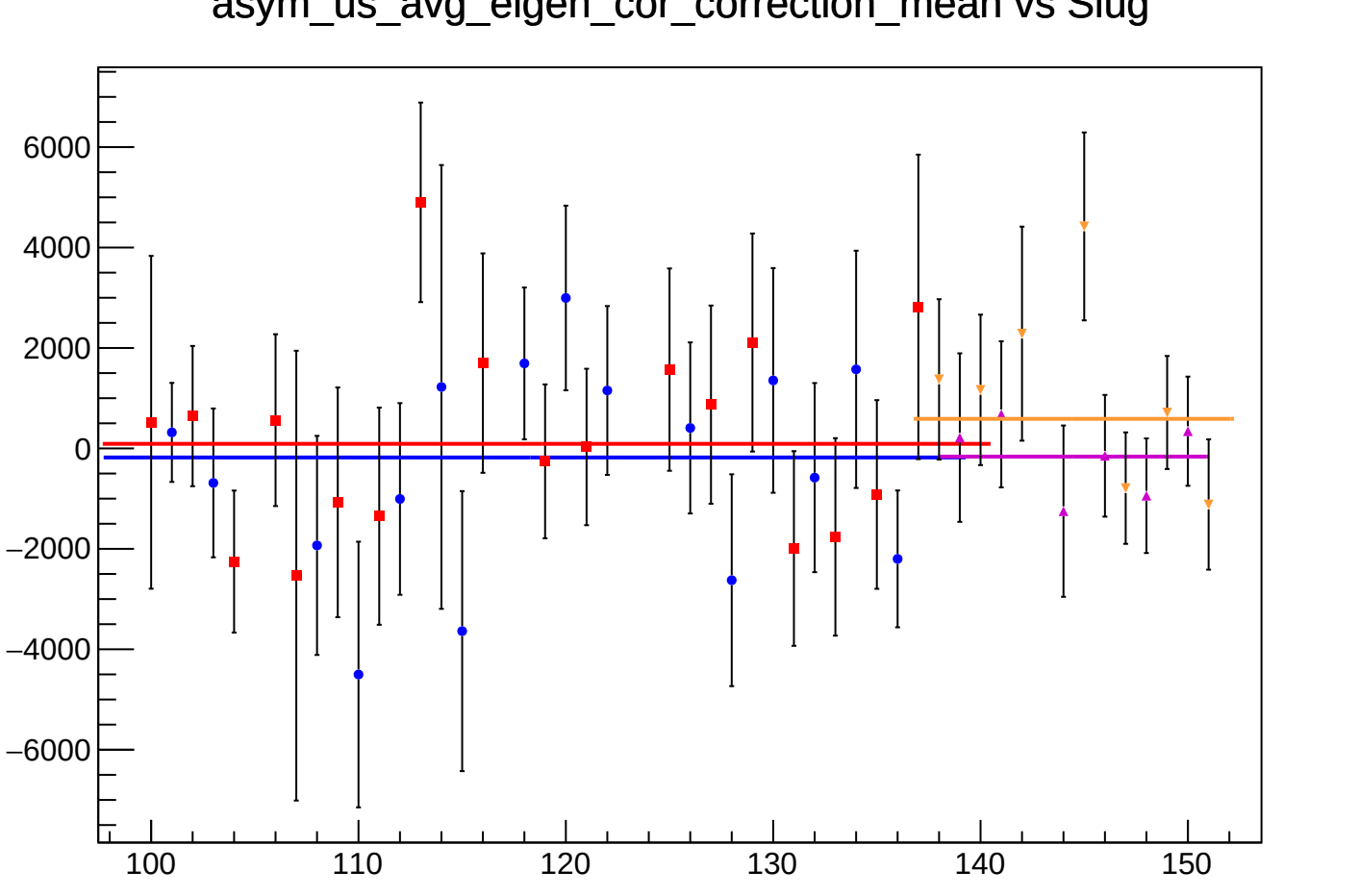
Right Out: 786.443+/-0.205 χ^2/NDF: 7201.6/17

Left In: 784.020+/-0.241 χ^2/NDF:1706.0/5

+ sign 783.053+/-0.156 χ^2/NDF: 14079.6/22

All: 784.238+/-0.110 χ^2/NDF: 23161.7/46

- sign 785.429+/-0.156 χ^2/NDF: 8966.1/23



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

Left Out: 588.911+/-531.527 χ^2/NDF:8.5/6

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

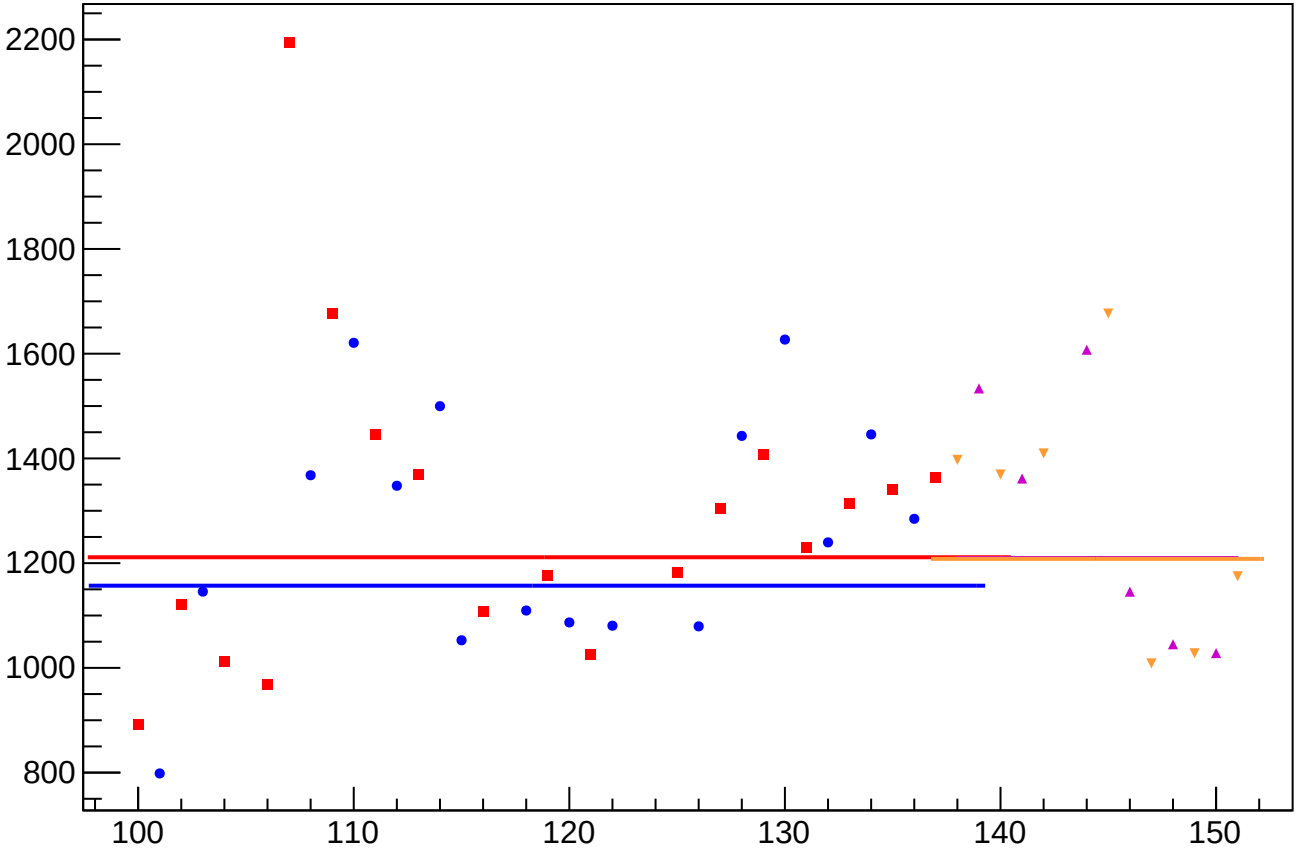
Left In: -162.839+/-537.063 χ^2/NDF:1.5/5

+ sign 133.346+/-339.290 χ^2/NDF: 25.1/22

All: 60.932+/-242.621 χ^2/NDF: 42.0/46

- sign -14.846+/-347.077 χ^2/NDF: 16.8/23

asym_us_avg_eigen_cor_correction_rms vs Slug



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

Left Out: 1208.163+/-0.376 χ^2/NDF:311866.3/6

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

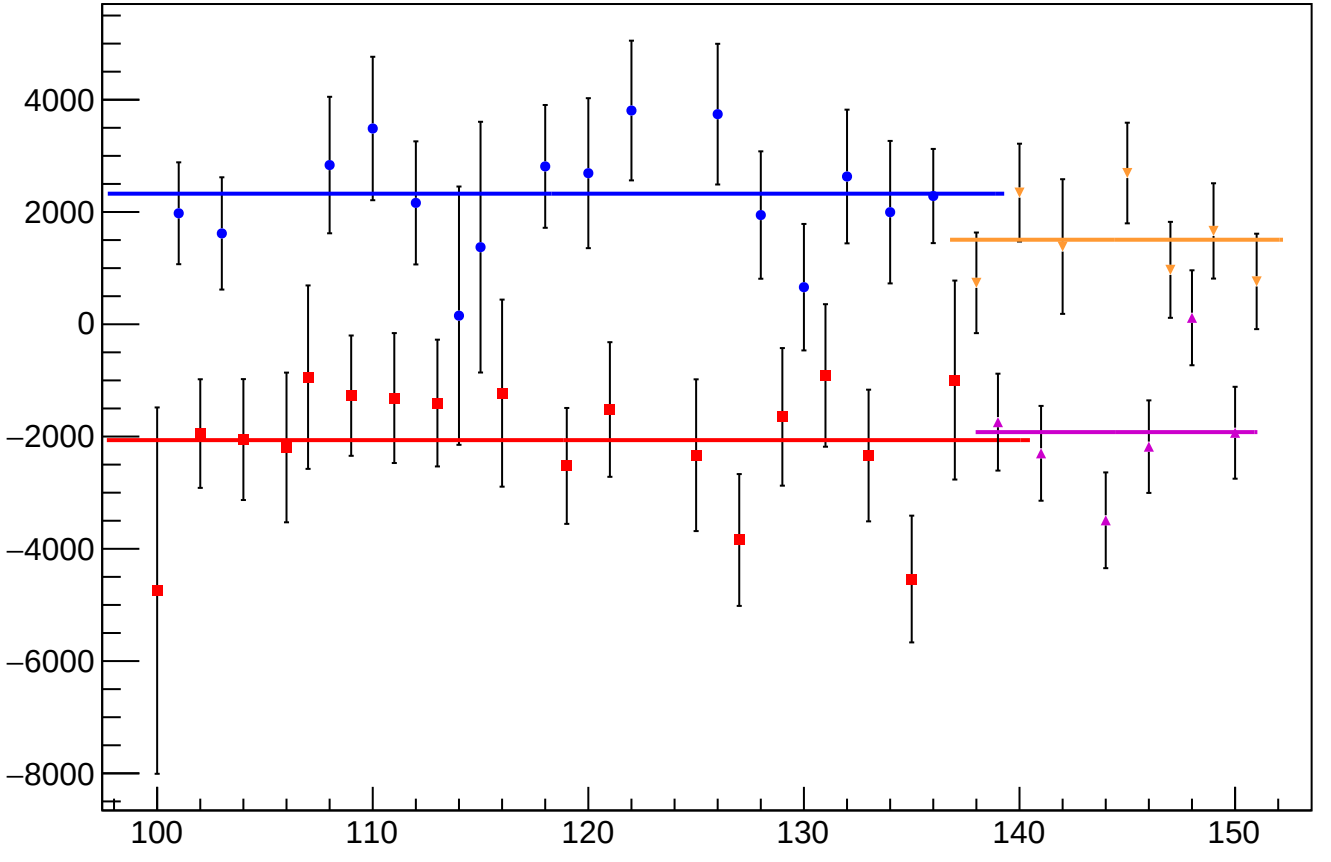
Left In: 1209.762+/-0.380 χ^2/NDF:308137.5/5

+ sign 1177.816+/-0.240 χ^2/NDF: 891988.5/22

All: 1193.854+/-0.172 χ^2/NDF: 1606994.4/46

- sign 1210.637+/-0.245 χ^2/NDF: 705861.1/23

dit_asym_us_avg_mean vs Slug



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

Left Out: 1506.030+/-340.189 χ^2/NDF:4.6/6

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

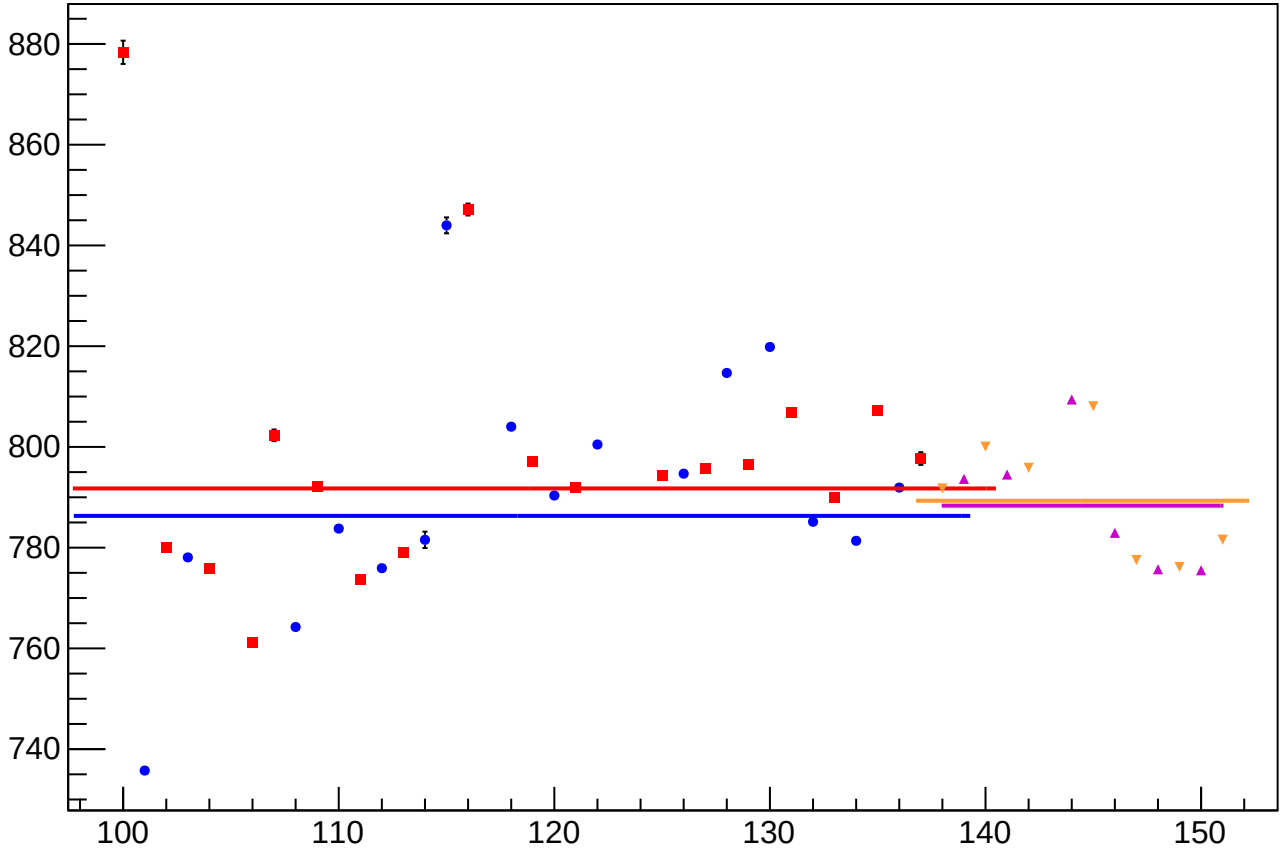
Left In: -1921.203+/-343.397 χ^2/NDF:9.5/5

+ sign 1978.163+/-221.648 χ^2/NDF: 16.1/22

All: -6.609+/-156.979 χ^2/NDF: 198.3/46

- sign -2004.113+/-222.357 χ^2/NDF: 21.3/23

dit_asym_us_avg_rms vs Slug



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

Left Out: 789.314+/-0.241 χ^2/NDF:2277.4/6

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

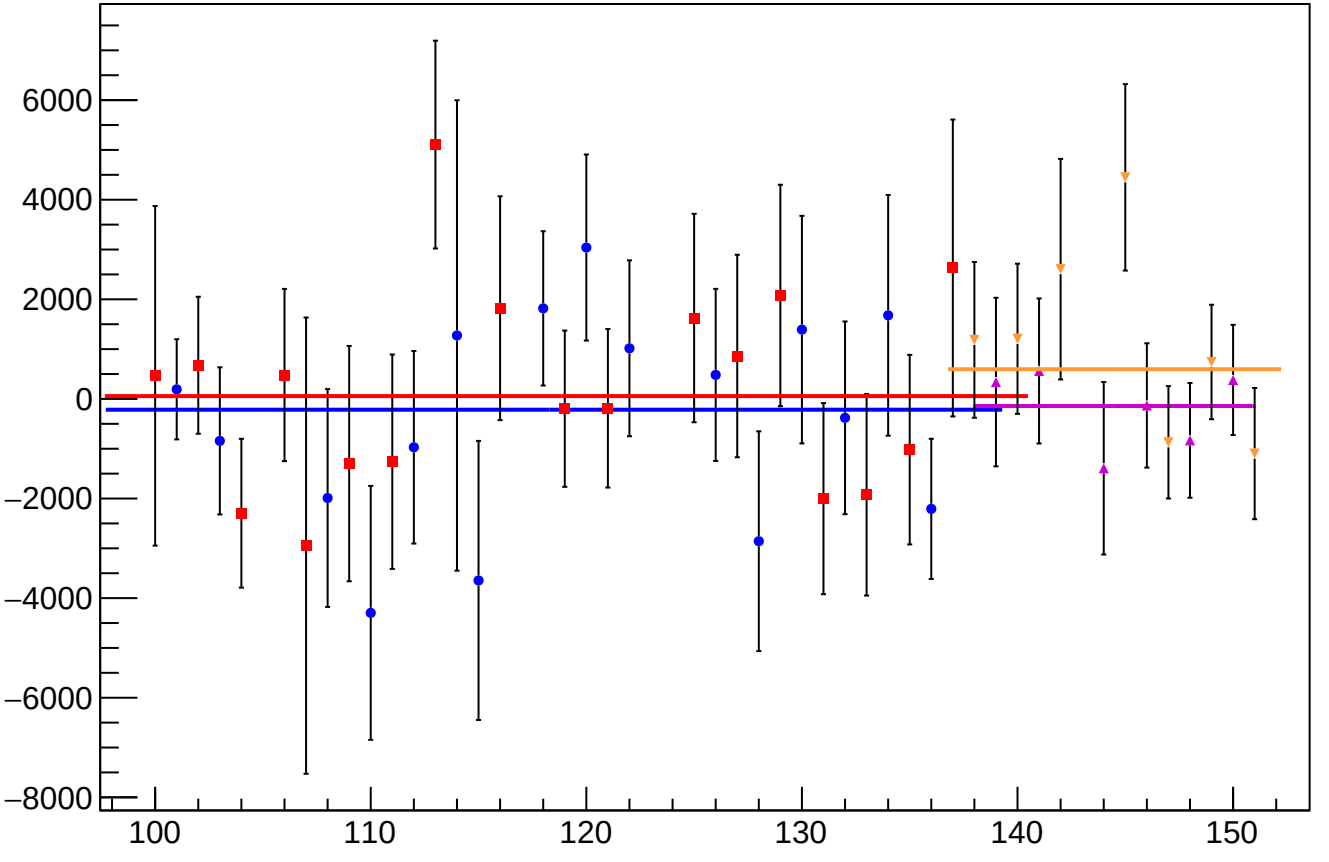
Left In: 788.342+/-0.243 χ^2/NDF:2426.2/5

\+ sign 787.585+/-0.157 χ^2/NDF: 14938.2/22

All: 788.951+/-0.111 χ^2/NDF: 24646.7/46

\- sign 790.325+/-0.157 χ^2/NDF: 9556.1/23

asym_us_avg_dit_correction_mean vs Slug



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

Left Out: 596.407+/-537.839 χ^2/NDF:8.7/6

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

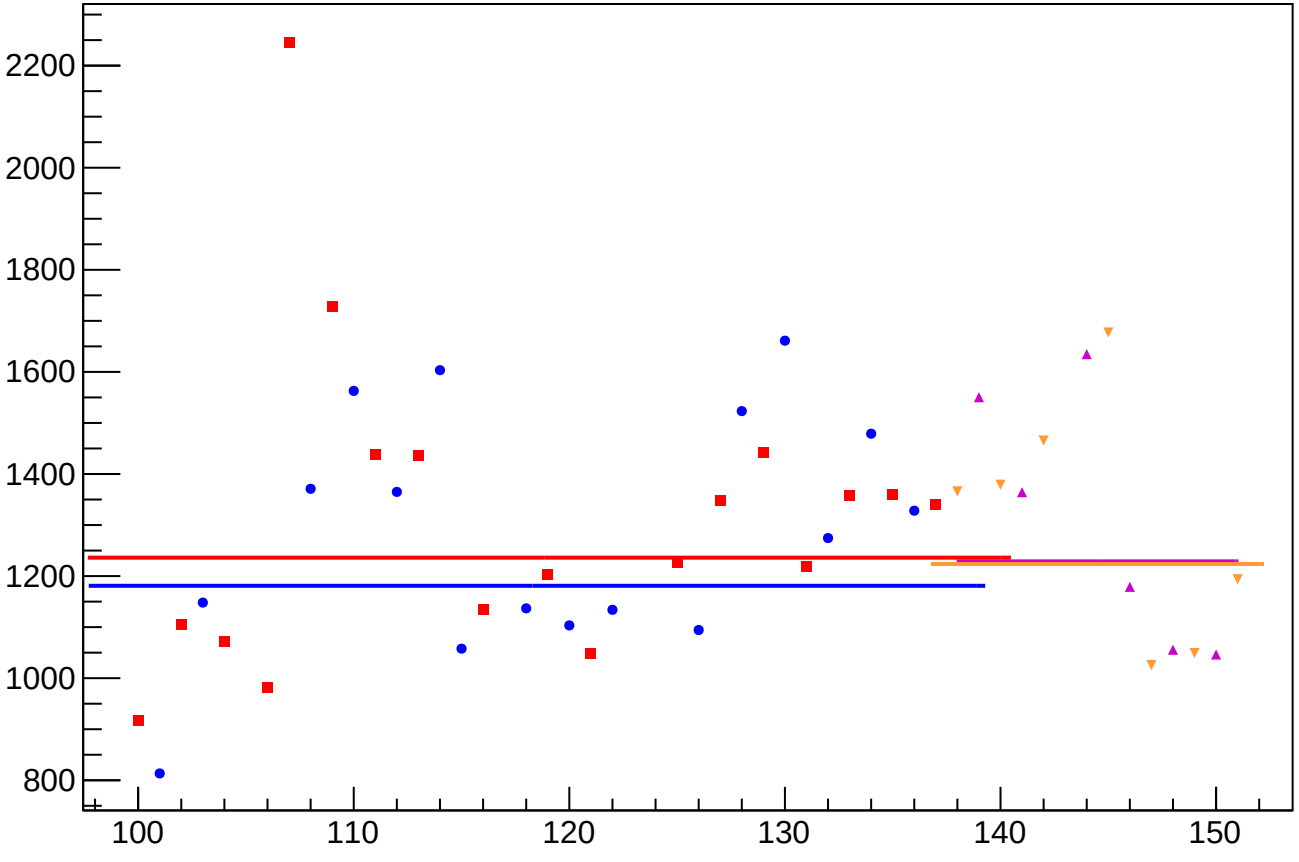
Left In: -142.379+/-545.039 χ^2/NDF:1.4/5

+ sign 118.017+/-344.922 χ^2/NDF: 25.3/22

All: 47.297+/-246.806 χ^2/NDF: 42.1/46

- sign -26.900+/-353.301 χ^2/NDF: 16.6/23

asym_us_avg_dit_correction_rms vs Slug



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

Left Out: 1223.789+/-0.380 χ^2/NDF:287731.9/6

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

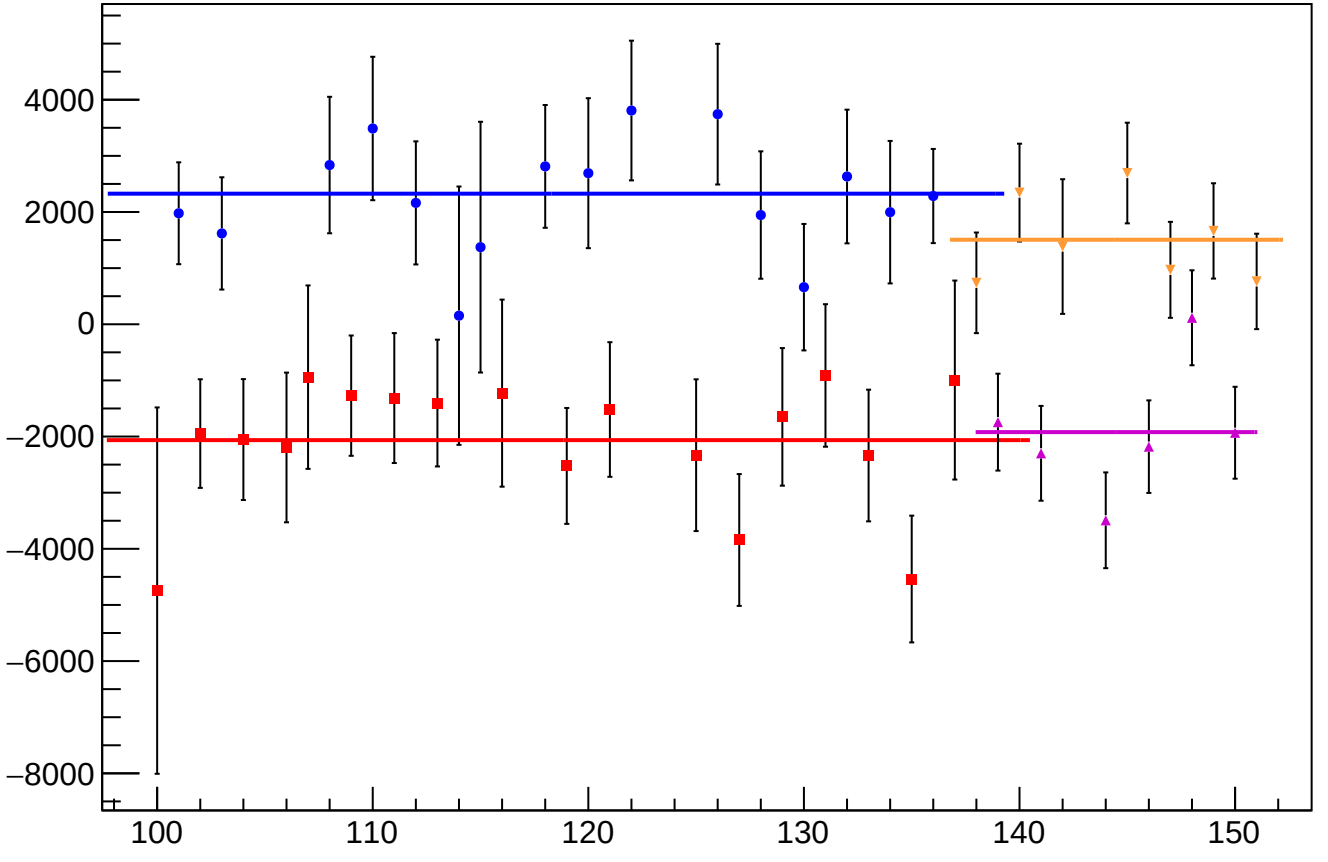
Left In: 1228.849+/-0.385 χ^2/NDF:302087.8/5

+ sign 1198.597+/-0.244 χ^2/NDF: 866292.8/22

All: 1215.421+/-0.175 χ^2/NDF: 1575580.9/46

- sign 1233.073+/-0.250 χ^2/NDF: 699537.2/23

eigen_dit_asym_us_avg_mean vs Slug



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

Left Out: 1506.030+/-340.189 χ^2/NDF:4.6/6

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

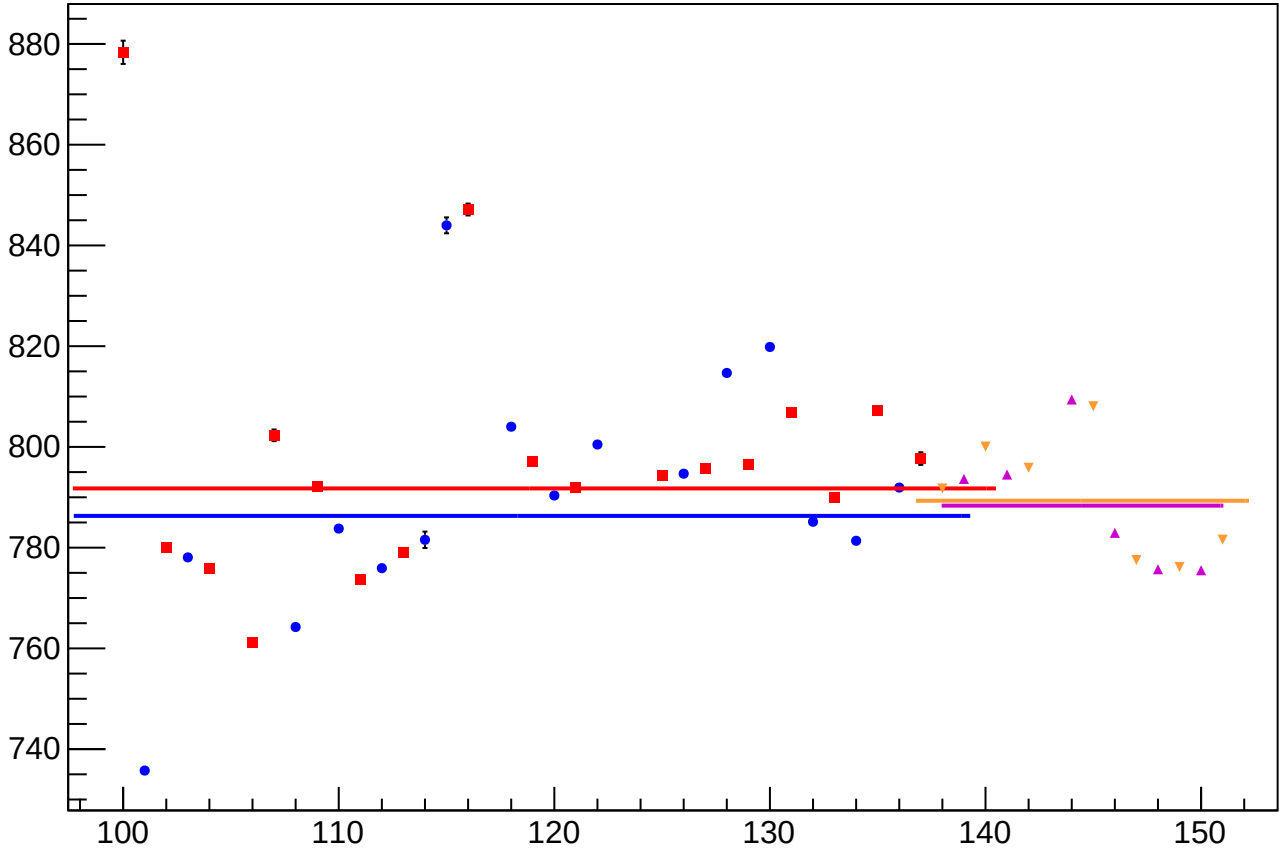
Left In: -1921.203+/-343.397 χ^2/NDF:9.5/5

+ sign 1978.163+/-221.648 χ^2/NDF: 16.1/22

All: -6.609+/-156.979 χ^2/NDF: 198.3/46

- sign -2004.113+/-222.357 χ^2/NDF: 21.3/23

eigen_dit_asym_us_avg_rms vs Slug



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

Left Out: 789.314+/-0.241 χ^2/NDF:2277.3/6

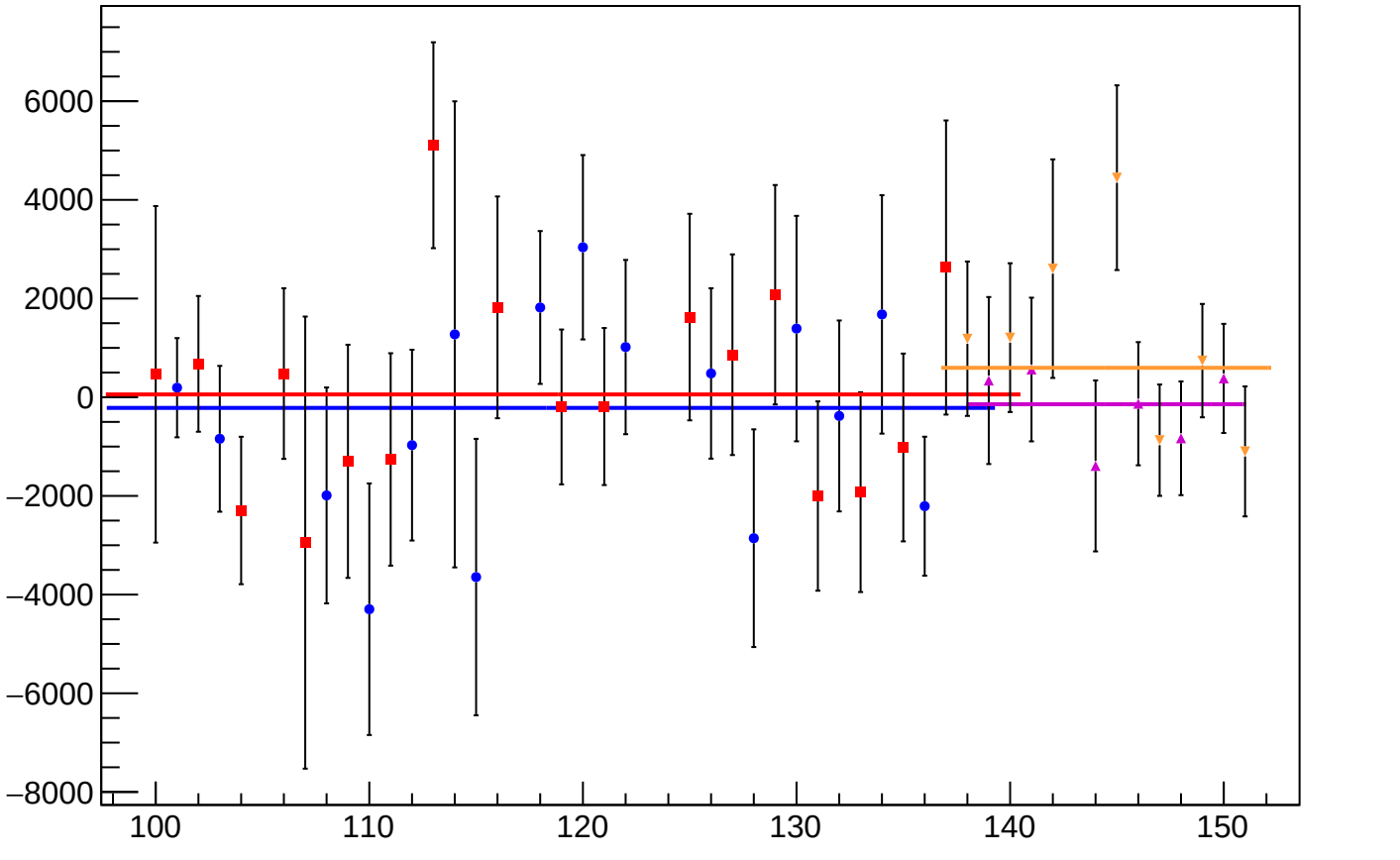
Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

Left In: 788.342+/-0.243 χ^2/NDF:2426.2/5

+ sign 787.585+/-0.157 χ^2/NDF: 14938.2/22

All: 788.950+/-0.111 χ^2/NDF: 24646.6/46

- sign 790.325+/-0.157 χ^2/NDF: 9556.1/23



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

Left Out: 596.403+/-537.840 χ^2/NDF:8.7/6

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

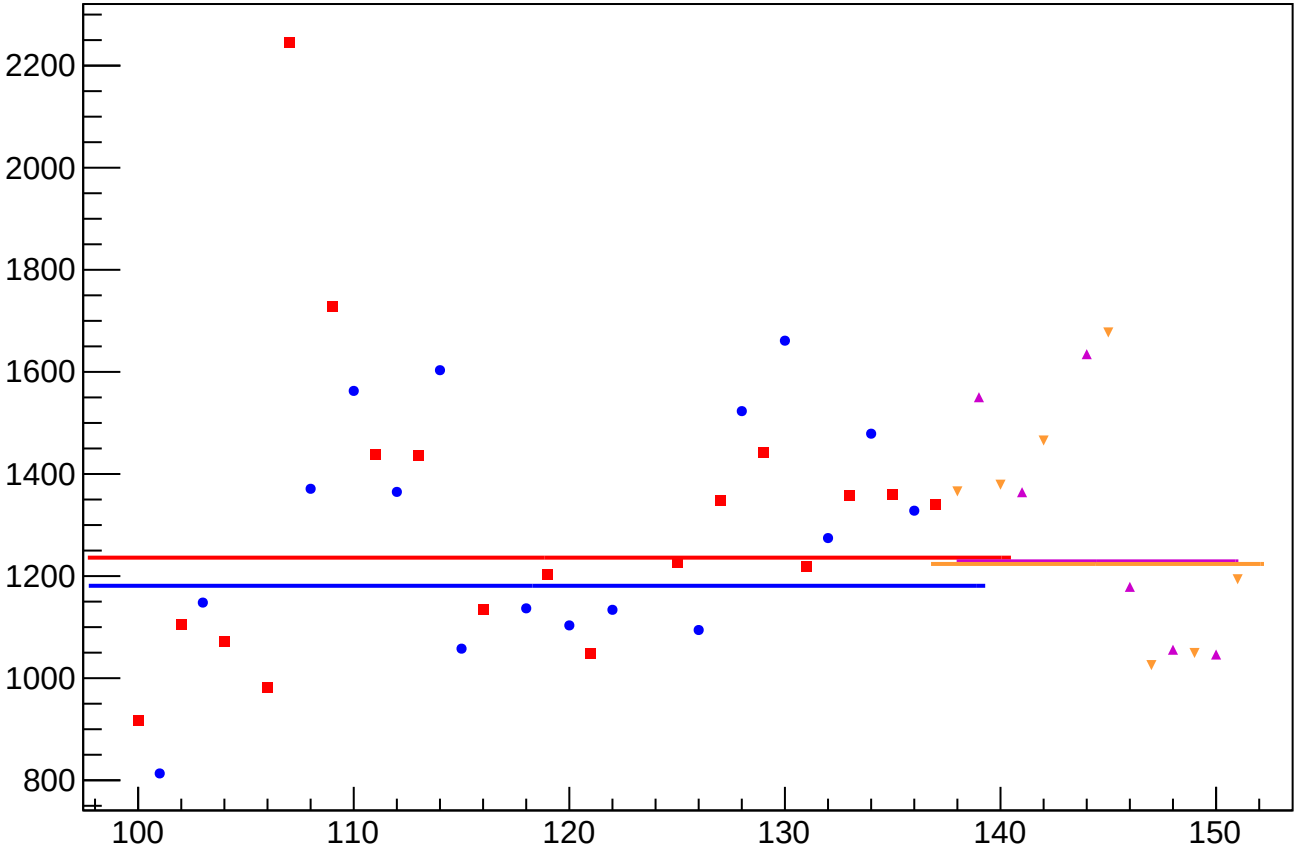
Left In: -142.380+/-545.040 χ^2/NDF:1.4/5

+ sign 118.015+/-344.921 χ^2/NDF: 25.3/22

All: 47.296+/-246.805 χ^2/NDF: 42.1/46

- sign -26.900+/-353.301 χ^2/NDF: 16.6/23

asym_us_avg_eigen_dit_correction_rms vs Slug



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

Left Out: 1223.791+/-0.380 χ^2/NDF:287733.3/6

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

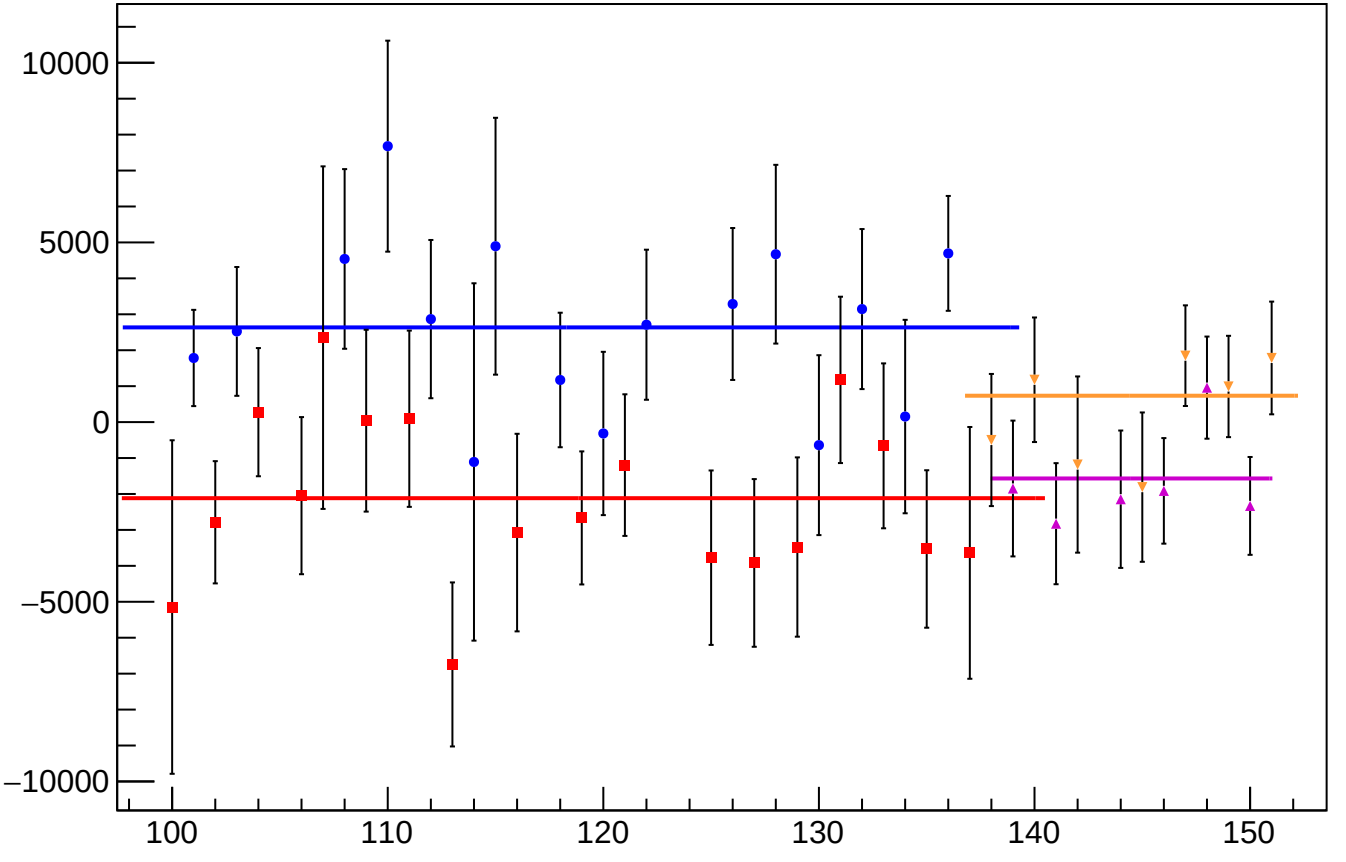
Left In: 1228.851+/-0.385 χ^2/NDF:302088.6/5

+ sign 1198.596+/-0.244 χ^2/NDF: 866293.8/22

All: 1215.420+/-0.175 χ^2/NDF: 1575581.0/46

- sign 1233.072+/-0.250 χ^2/NDF: 699536.2/23

asym_us_avg_mean vs Slug



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

Left Out: 734.134+/-639.406 χ^2/NDF:3.7/6

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

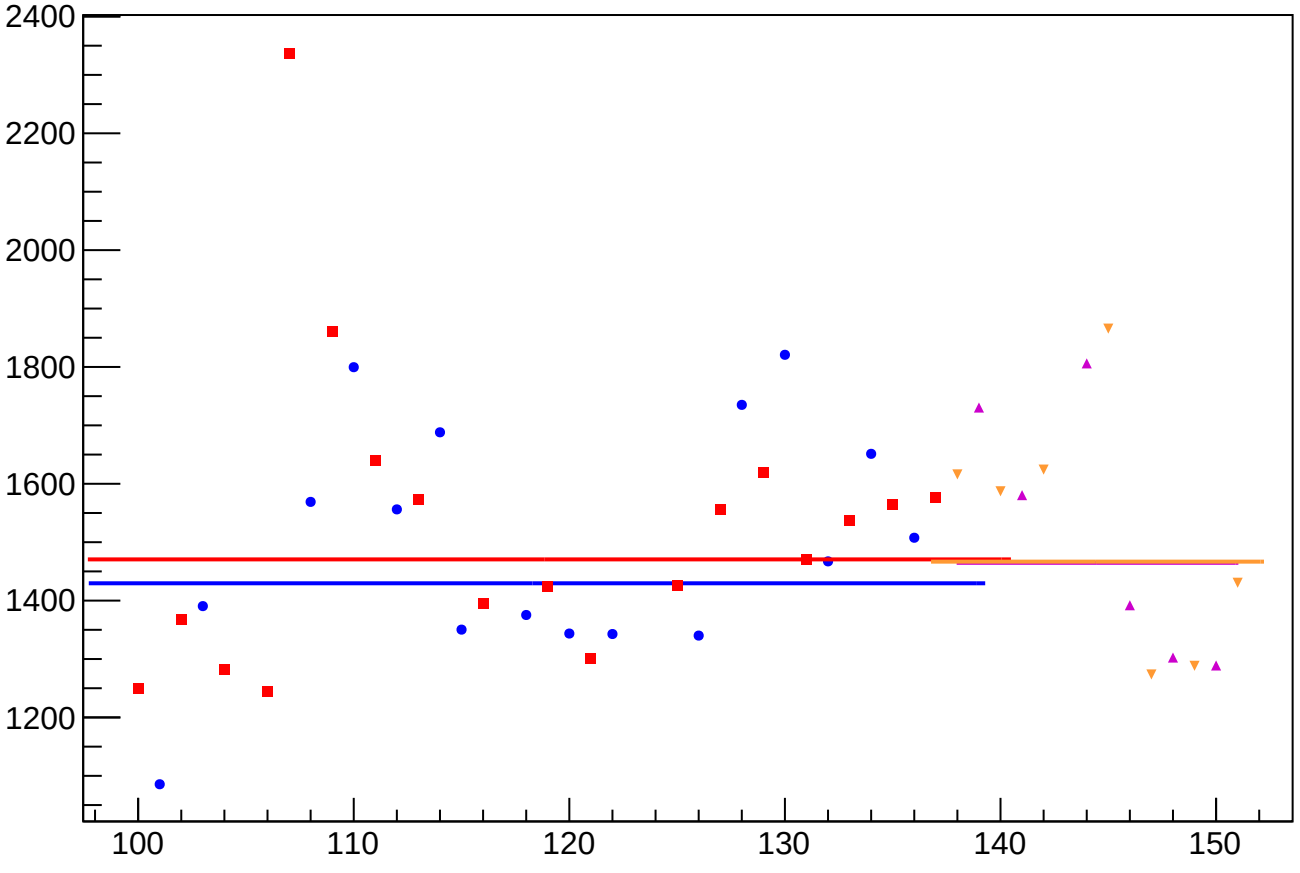
Left In: -1568.537+/-644.924 χ^2/NDF:4.2/5

+ sign 1847.250+/-411.679 χ^2/NDF: 21.2/22

All: 5.580+/-293.094 χ^2/NDF: 80.1/46

- sign -1887.384+/-417.373 χ^2/NDF: 18.4/23

asym_us_avg_rms vs Slug



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

Left Out: 1466.719+/-0.452 χ^2/NDF:175904.5/6

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

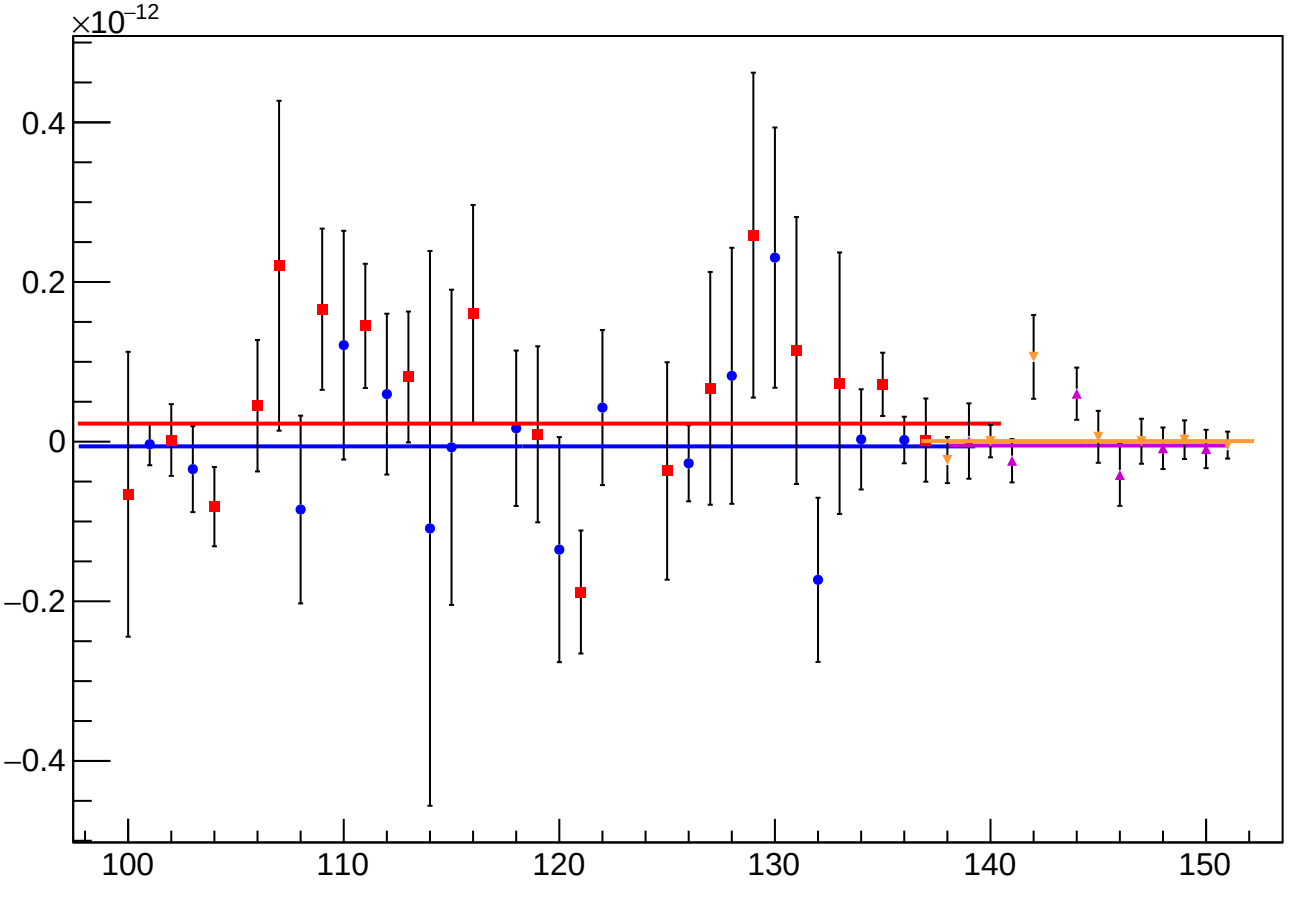
Left In: 1464.692+/-0.456 χ^2/NDF:177120.5/5

+ sign 1445.019+/-0.291 χ^2/NDF: 473227.6/22

All: 1456.404+/-0.207 χ^2/NDF: 871613.7/46

- sign 1468.105+/-0.295 χ^2/NDF: 395284.4/23

asym_us_avg_reg_vs_cor_diff_mean vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:4.8/6

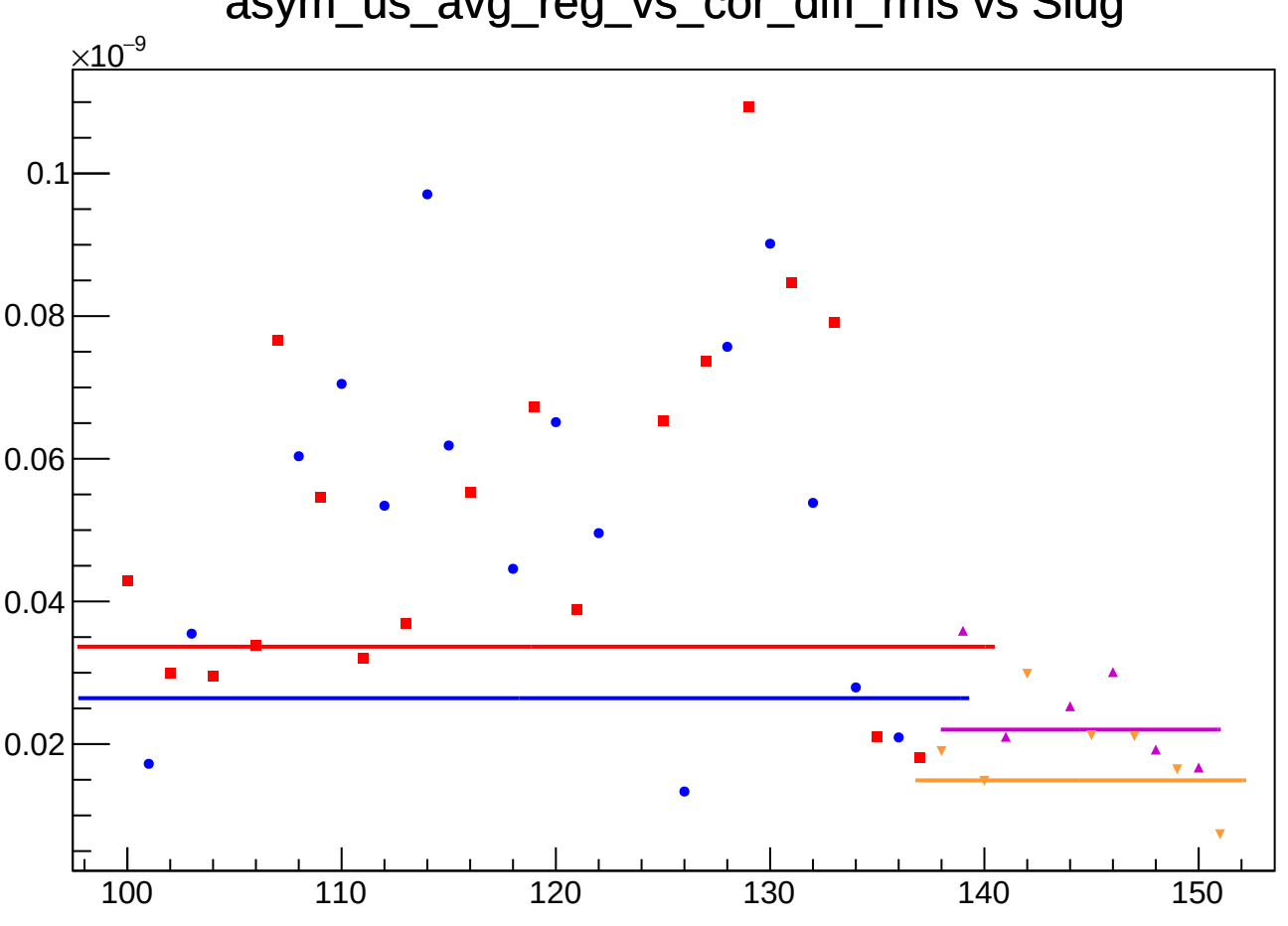
Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/17

Left In: -0.000+/-0.000 χ^2/NDF:5.4/5

+ sign -0.000+/-0.000 χ^2/NDF: 13.5/22

All: 0.000+/-0.000 χ^2/NDF: 43.7/46

- sign 0.000+/-0.000 χ^2/NDF: 30.0/23



Right In: 0.000+/-0.000 χ^2/NDF: 2138464.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:783482.3/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1711887.8/17

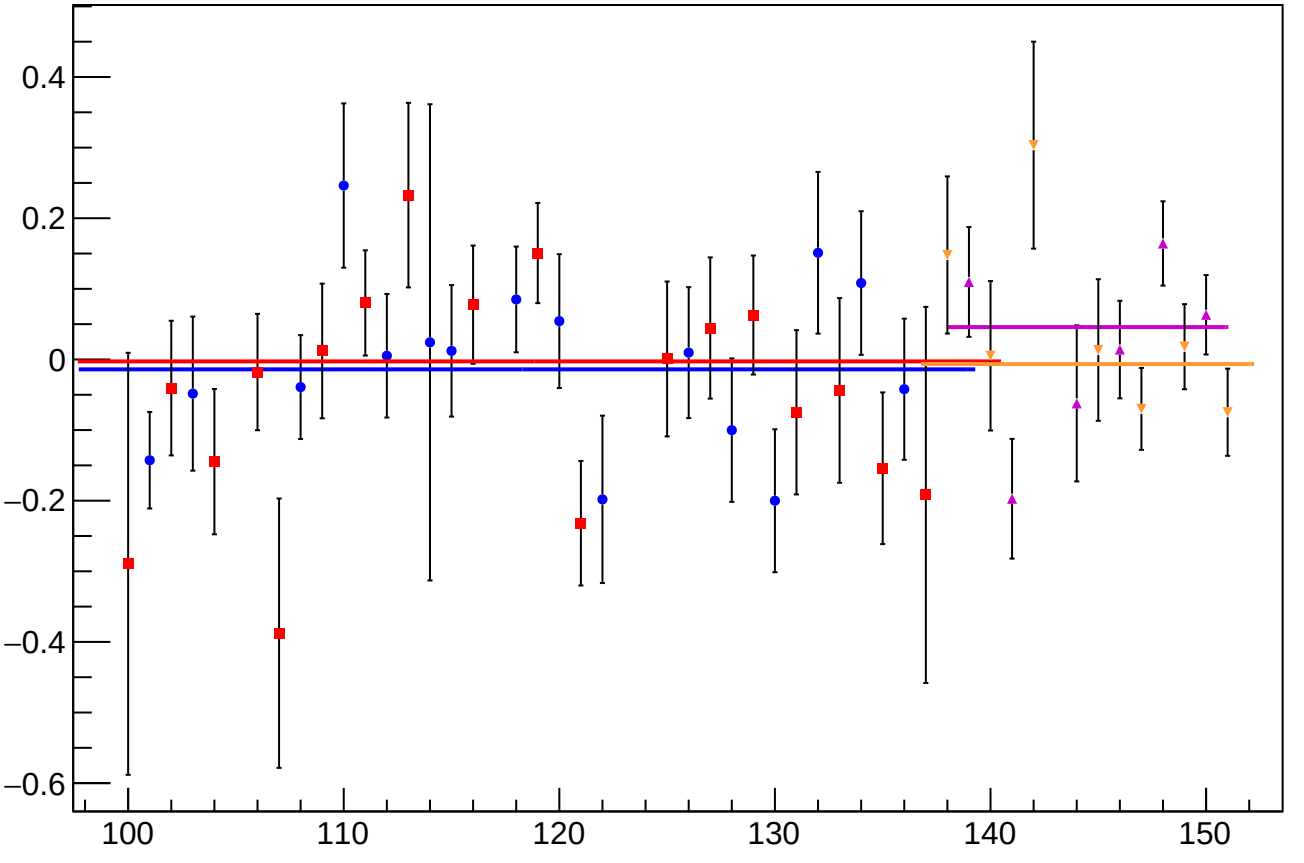
Left In: 0.000+/-0.000 χ^2/NDF:402999.4/5

+ sign 0.000+/-0.000 χ^2/NDF: 3756151.8/22

All: 0.000+/-0.000 χ^2/NDF: 7117938.7/46

- sign 0.000+/-0.000 χ^2/NDF: 2675818.2/23

asym_us_avg_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.007+/-0.029 χ^2/NDF:9.0/6

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

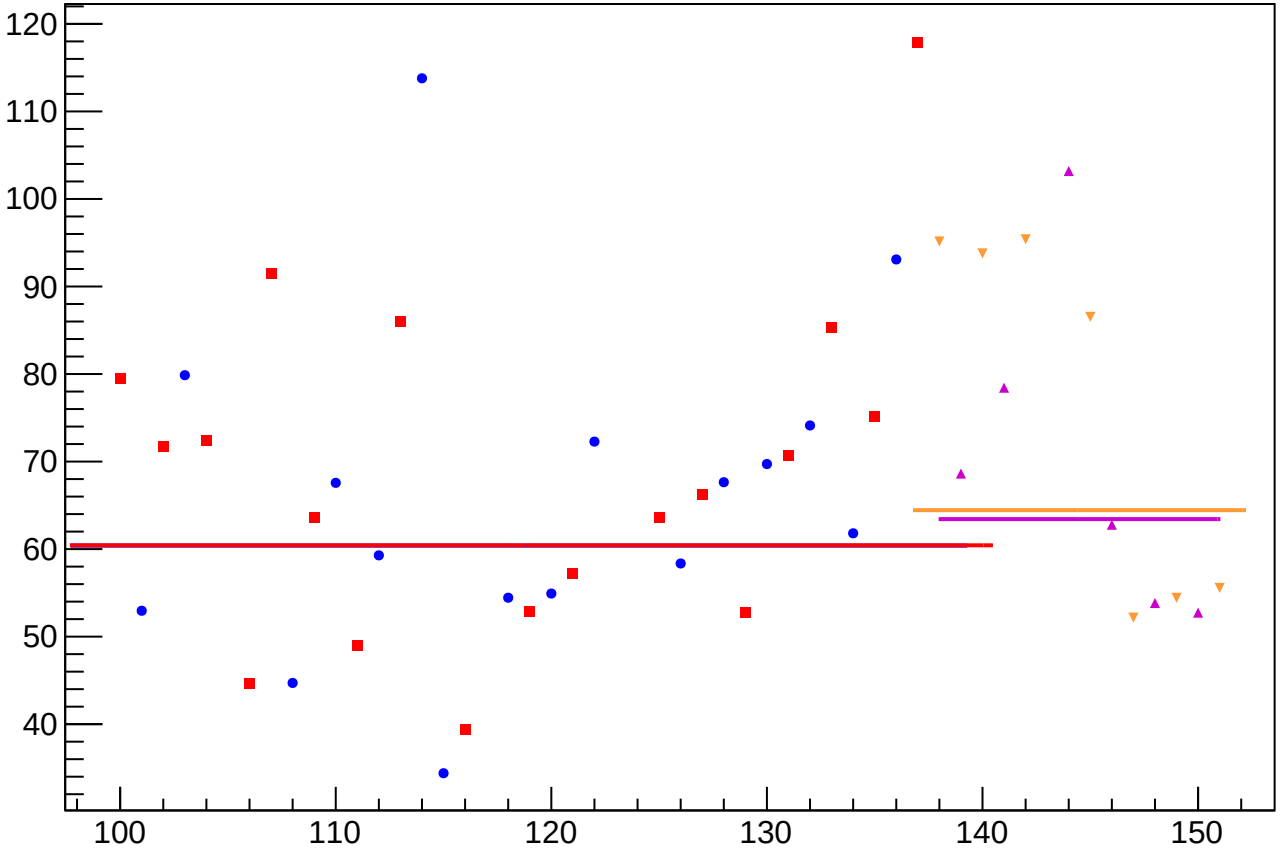
Left In: 0.046+/-0.029 χ^2/NDF:14.1/5

+ sign -0.011+/-0.019 χ^2/NDF: 30.4/22

All: 0.003+/-0.013 χ^2/NDF: 75.1/46

- sign 0.017+/-0.018 χ^2/NDF: 43.5/23

asym_us_avg_dit_vs_cor_diff_rms vs Slug



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

Left Out: 64.449+/-0.021 χ^2/NDF:678376.1/6

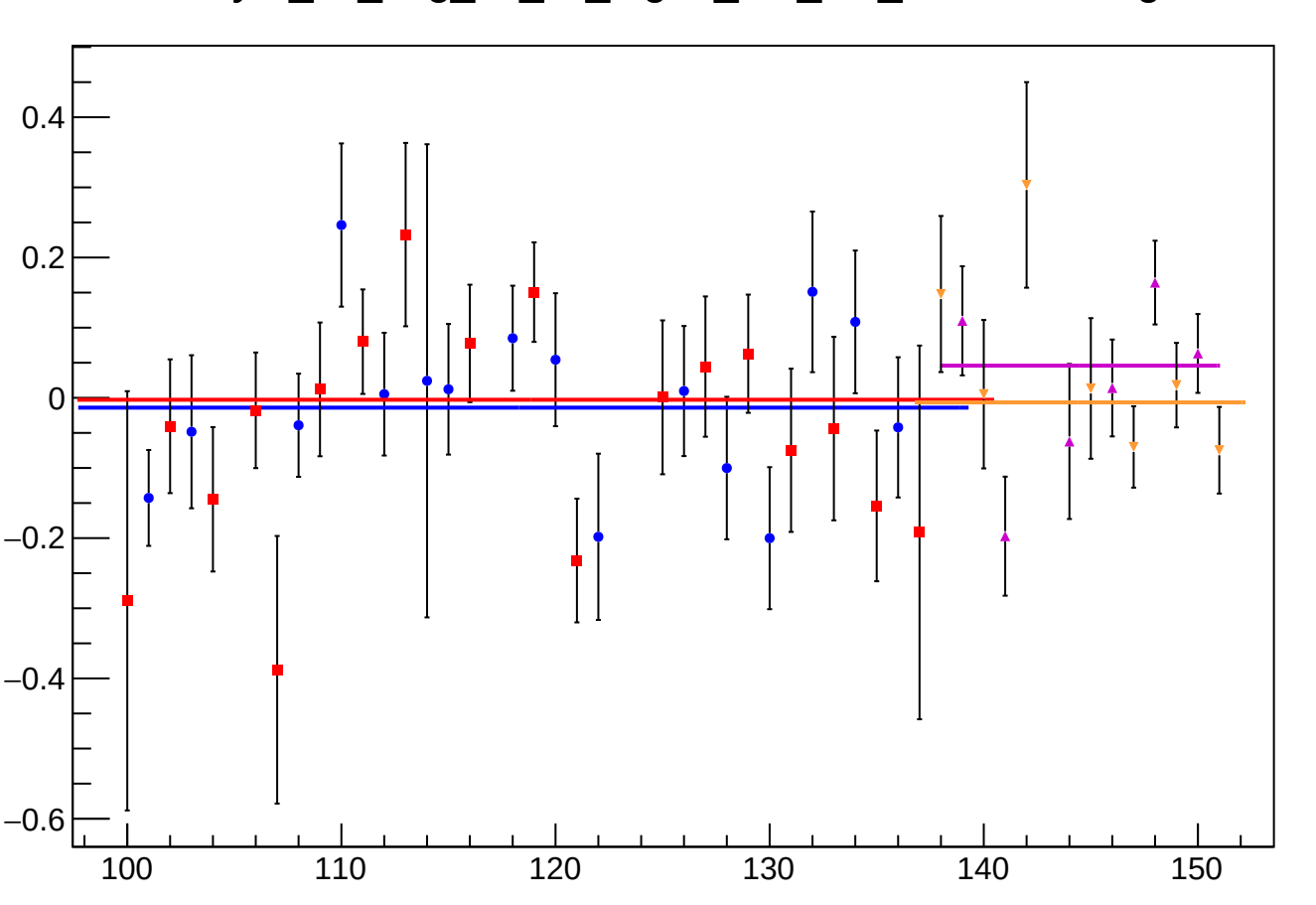
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 63.426+/-0.020 χ^2/NDF:454497.3/5

+ sign 62.003+/-0.013 χ^2/NDF: 1404340.4/22

All: 61.820+/-0.009 χ^2/NDF: 2583062.5/46

- sign 61.640+/-0.013 χ^2/NDF: 1178336.8/23



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

Left Out: -0.007+/-0.029 χ^2/NDF:9.0/6

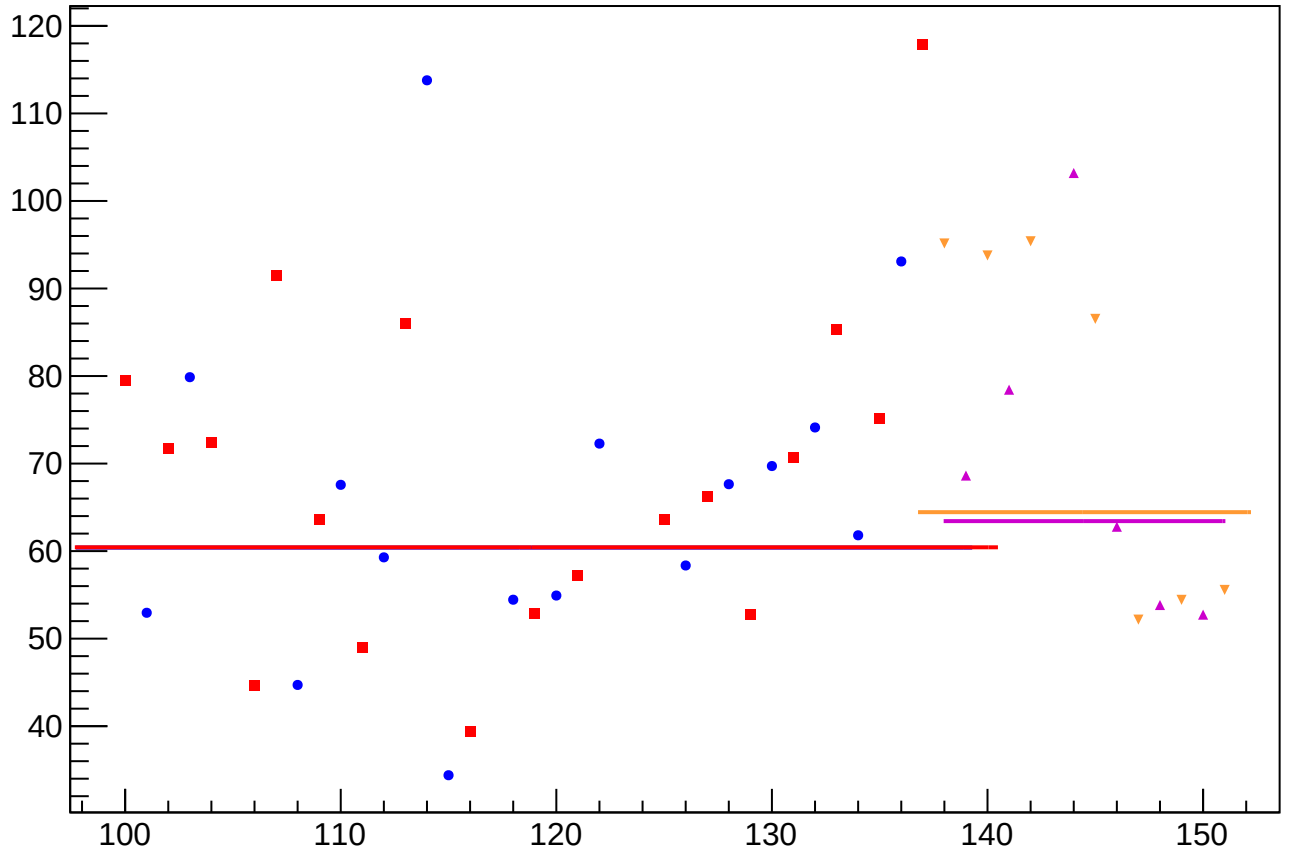
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: 0.046+/-0.029 χ^2/NDF:14.1/5

+ sign -0.011+/-0.019 χ^2/NDF: 30.4/22

All: 0.003+/-0.013 χ^2/NDF: 75.1/46

- sign 0.017+/-0.018 χ^2/NDF: 43.5/23



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

Left Out: 64.449+/-0.021 χ^2/NDF:678376.1/6

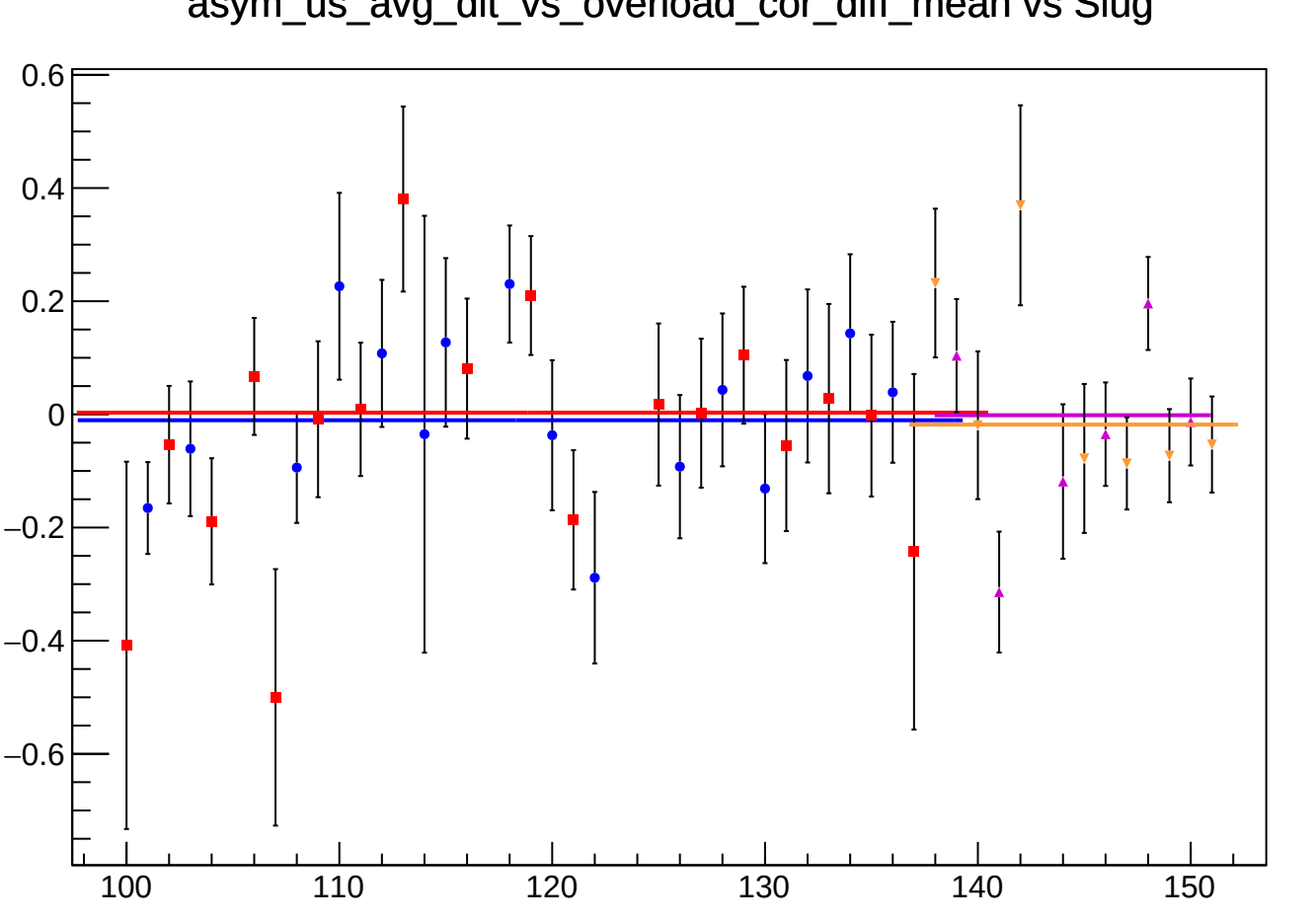
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 63.426+/-0.020 χ^2/NDF:454497.3/5

+ sign 62.003+/-0.013 χ^2/NDF: 1404340.4/22

All: 61.820+/-0.009 χ^2/NDF: 2583062.5/46

- sign 61.640+/-0.013 χ^2/NDF: 1178336.8/23



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

Left Out: -0.018+/-0.039 χ^2/NDF:10.0/6

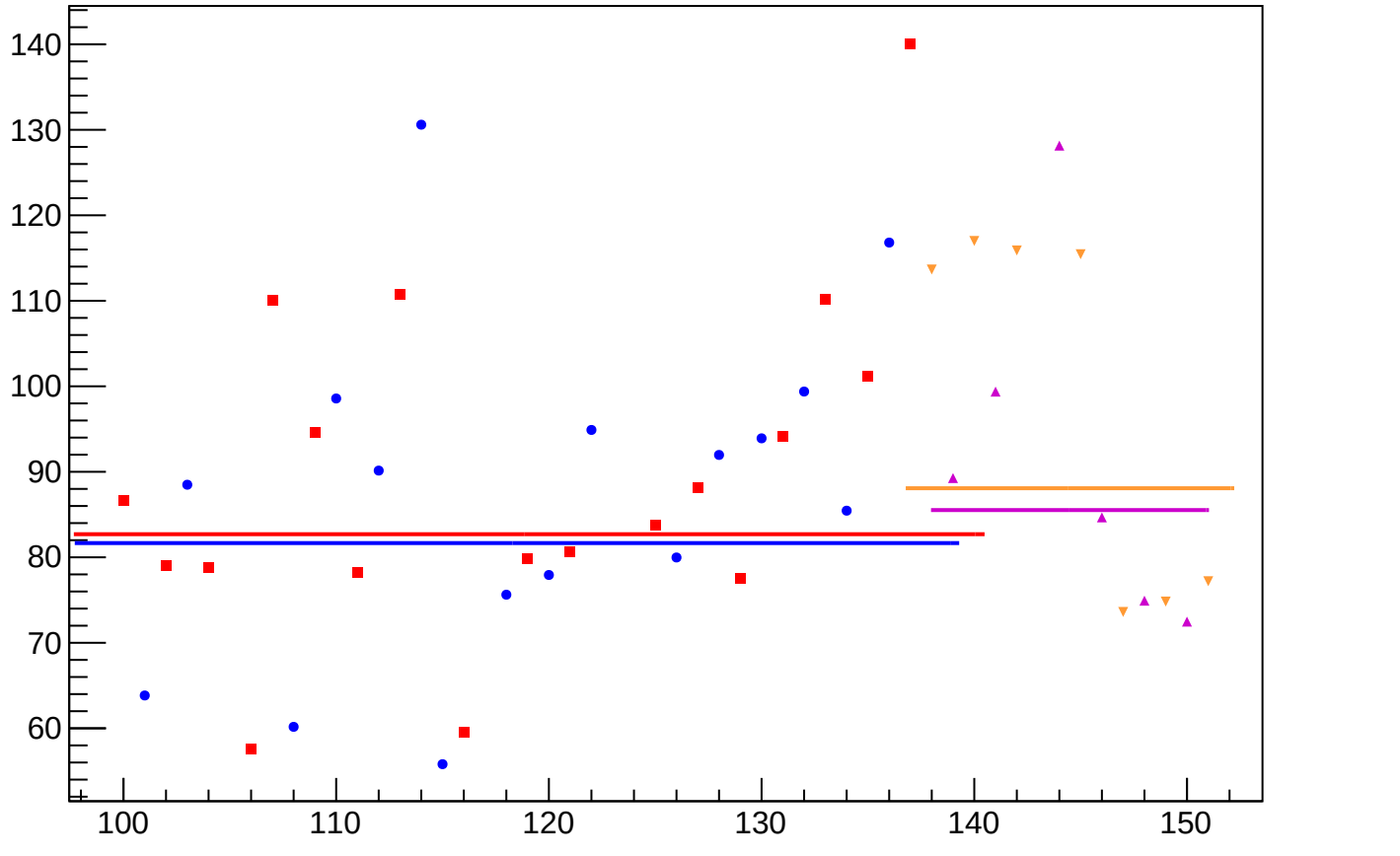
Right Out: 0.003+/-0.032 χ^2/NDF: 23.7/17

Left In: -0.001+/-0.038 χ^2/NDF:16.3/5

+ sign -0.013+/-0.025 χ^2/NDF: 30.1/22

All: -0.006+/-0.017 χ^2/NDF: 70.3/46

- sign 0.001+/-0.024 χ^2/NDF: 40.0/23



Right In: 81.664+/-0.022 χ^2/NDF: 561848.8/15

Left Out: 88.077+/-0.028 χ^2/NDF:457759.7/6

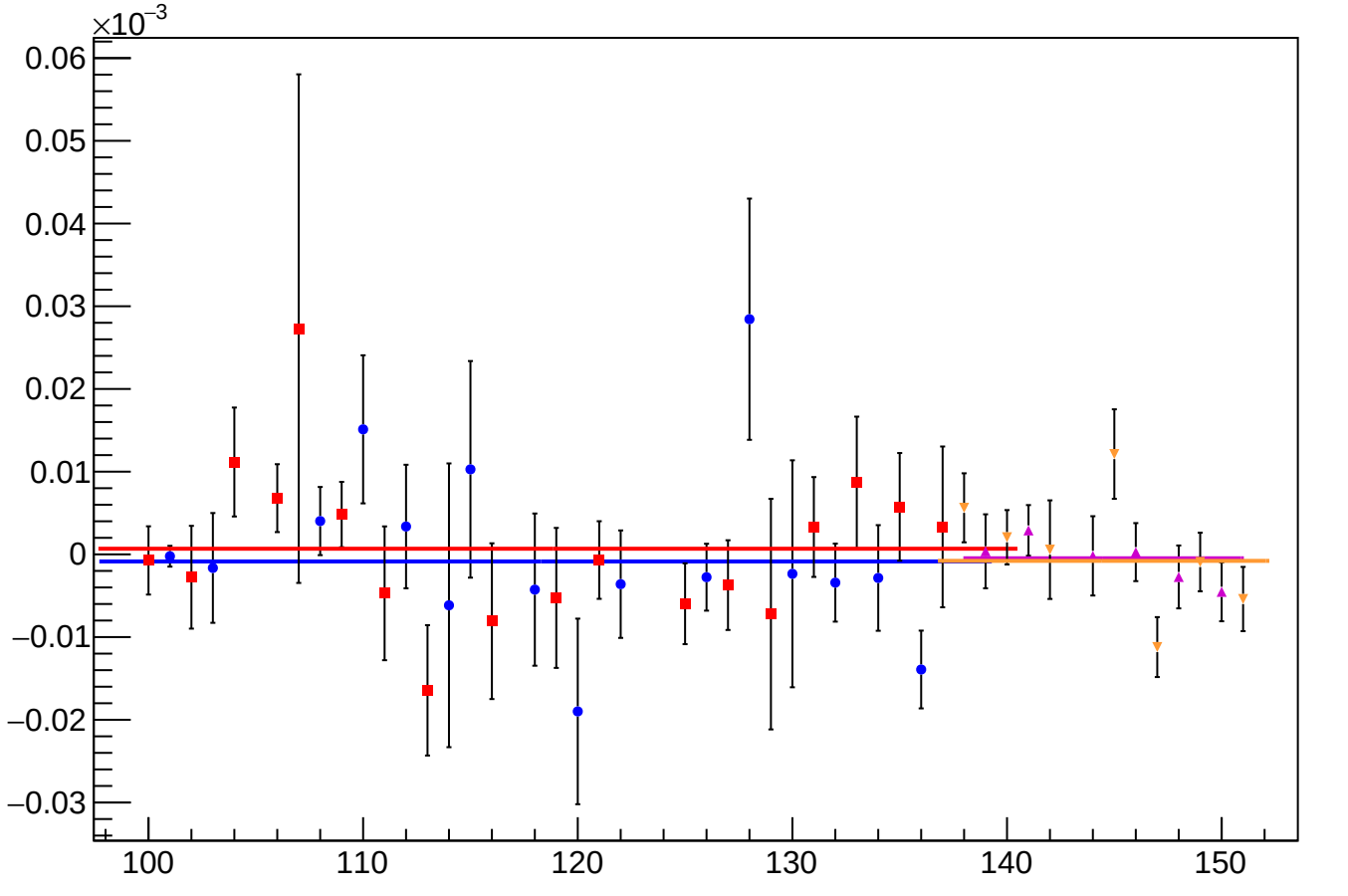
Right Out: 82.701+/-0.022 χ^2/NDF: 473065.7/17

Left In: 85.524+/-0.027 χ^2/NDF:322575.9/5

+ sign 84.173+/-0.017 χ^2/NDF: 1051832.5/22

All: 84.009+/-0.012 χ^2/NDF: 1854069.0/46

- sign 83.847+/-0.017 χ^2/NDF: 802059.7/23



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

Left Out: -0.000+/-0.000 χ^2/NDF:18.5/6

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

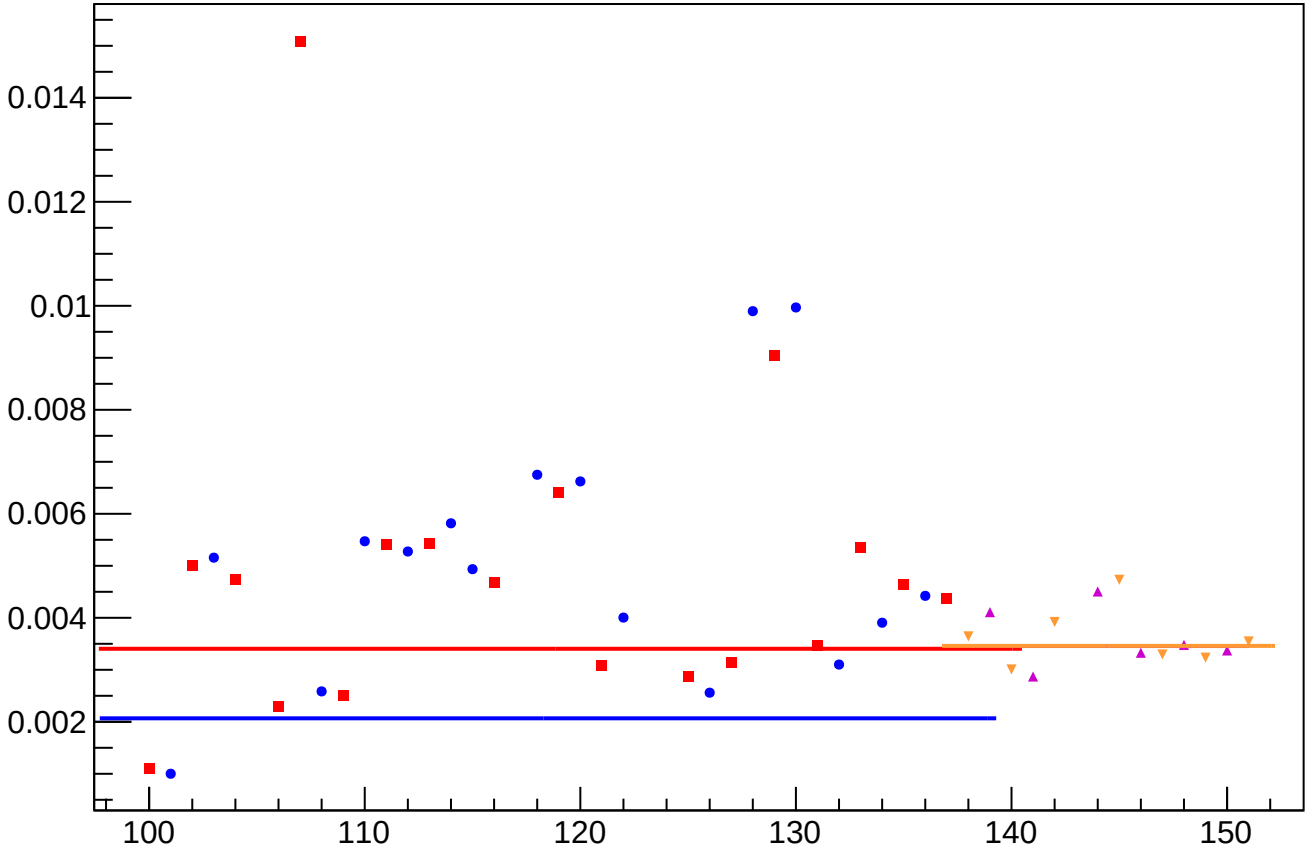
Left In: -0.000+/-0.000 χ^2/NDF:2.9/5

+ sign -0.000+/-0.000 χ^2/NDF: 39.9/22

All: -0.000+/-0.000 χ^2/NDF: 62.0/46

- sign 0.000+/-0.000 χ^2/NDF: 21.6/23

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: 0.003+/-0.000 χ^2/NDF:177400.5/6

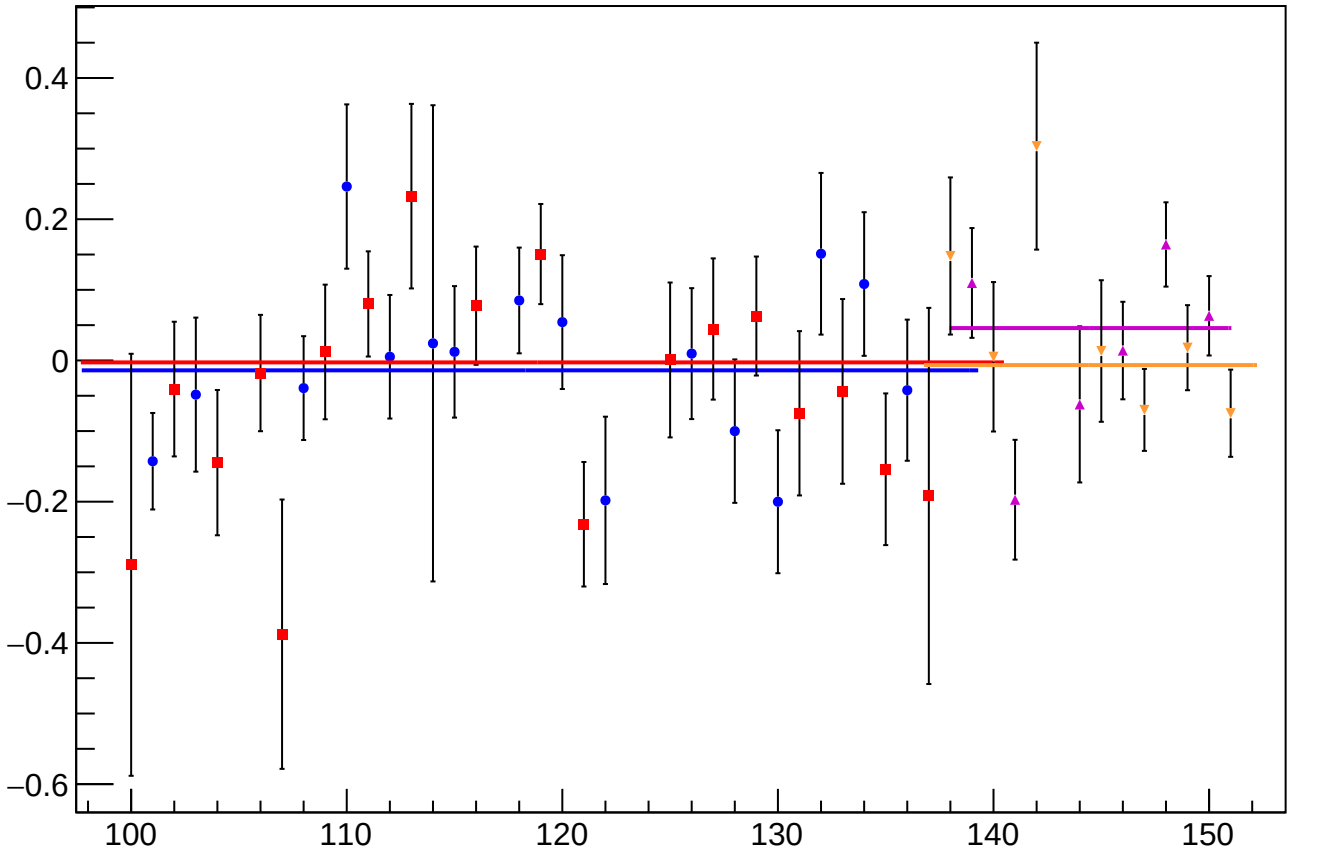
Right Out: 0.003+/-0.000 χ^2/NDF: 2491305.2/17

Left In: 0.003+/-0.000 χ^2/NDF:215569.2/5

+ sign 0.002+/-0.000 χ^2/NDF: 7160485.9/22

All: 0.003+/-0.000 χ^2/NDF: 10846163.8/46

- sign 0.003+/-0.000 χ^2/NDF: 2708149.8/23



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

Left Out: -0.007+/-0.029 χ^2/NDF:9.0/6

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

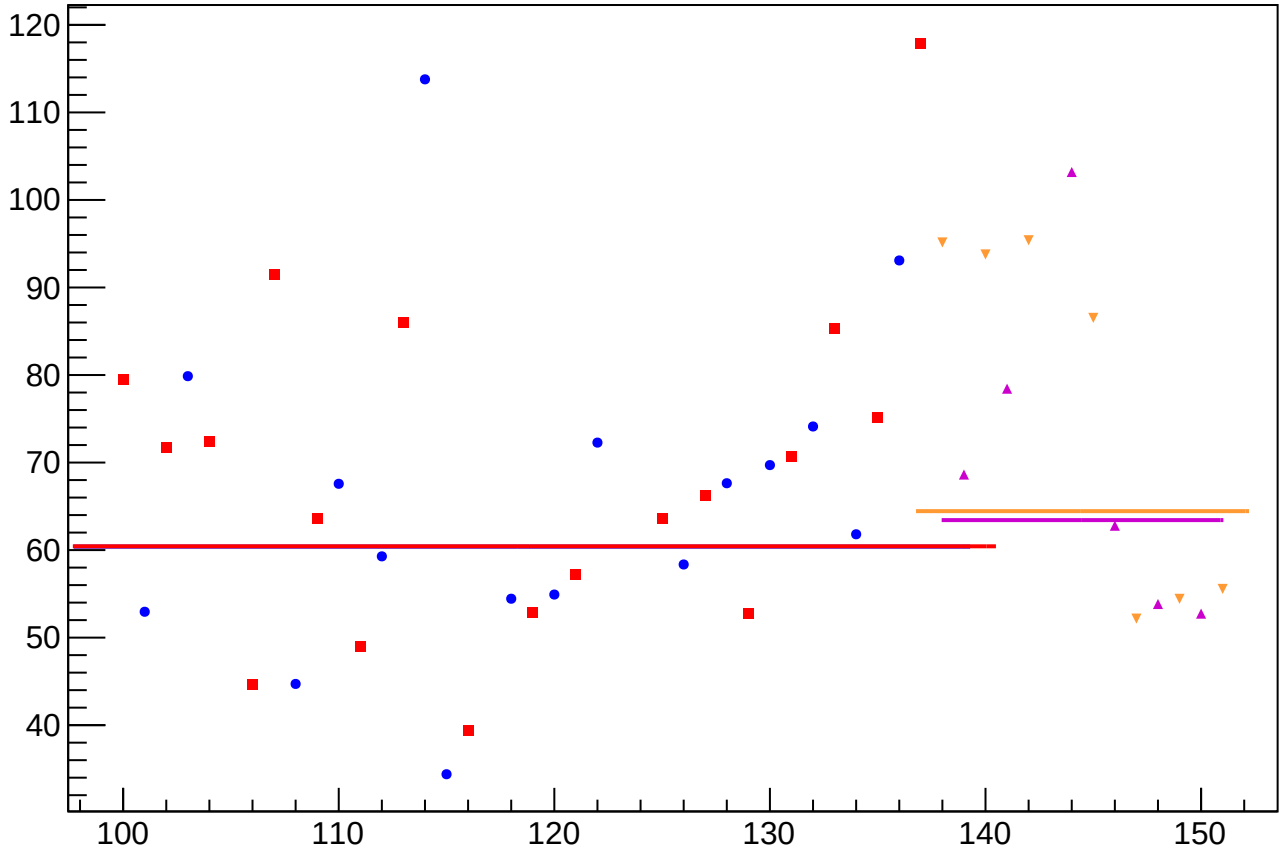
Left In: 0.046+/-0.029 χ^2/NDF:14.1/5

+ sign -0.011+/-0.019 χ^2/NDF: 30.4/22

All: 0.003+/-0.013 χ^2/NDF: 75.1/46

- sign 0.017+/-0.018 χ^2/NDF: 43.5/23

asym_us_avg_eigen_dit_vs_cor_diff_rms vs Slug



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

Left Out: 64.449+/-0.021 χ^2/NDF:678369.2/6

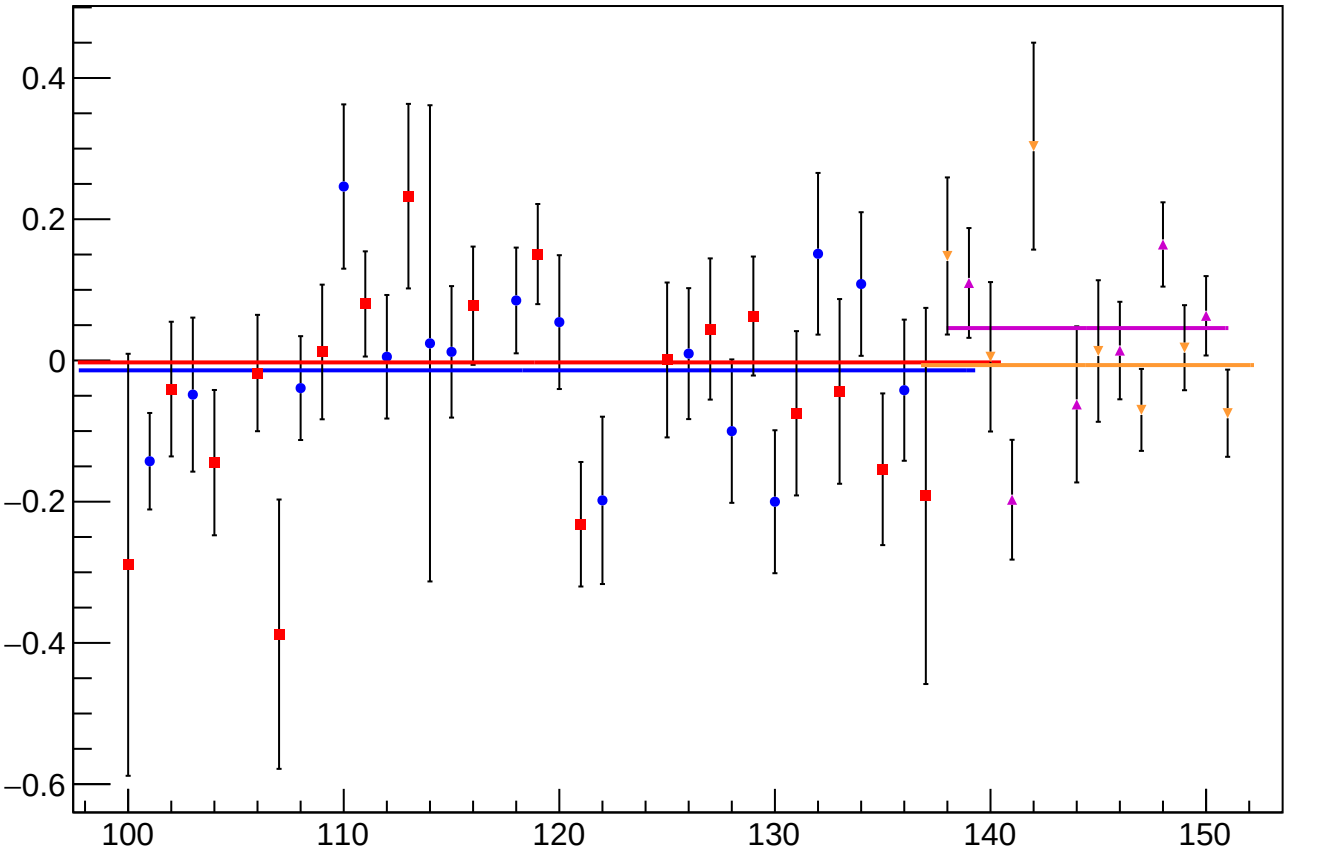
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

Left In: 63.426+/-0.020 χ^2/NDF:454494.8/5

+ sign 62.002+/-0.013 χ^2/NDF: 1404364.5/22

All: 61.819+/-0.009 χ^2/NDF: 2583129.7/46

- sign 61.639+/-0.013 χ^2/NDF: 1178379.6/23



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

Left Out: -0.007+/-0.029 χ^2/NDF:9.0/6

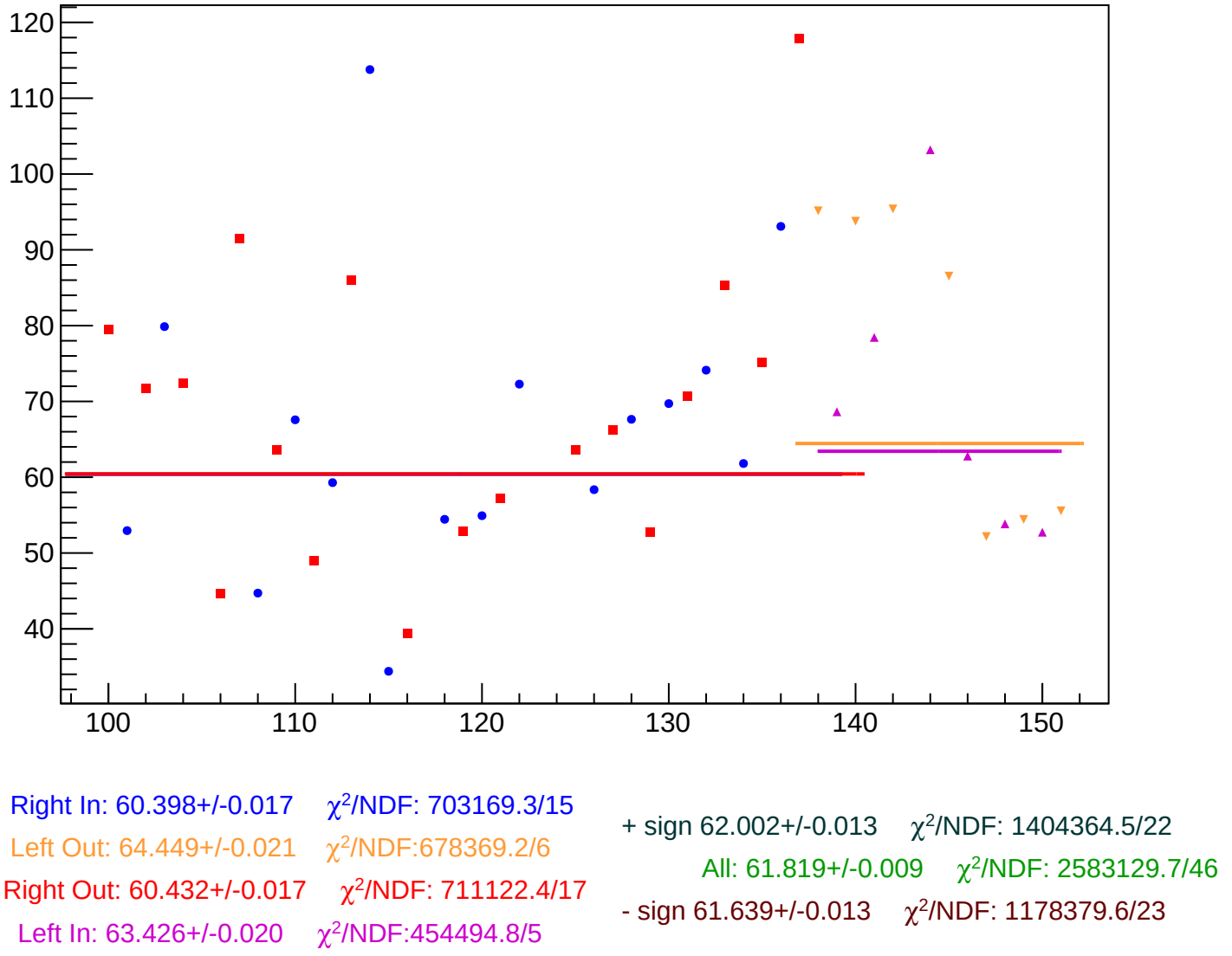
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

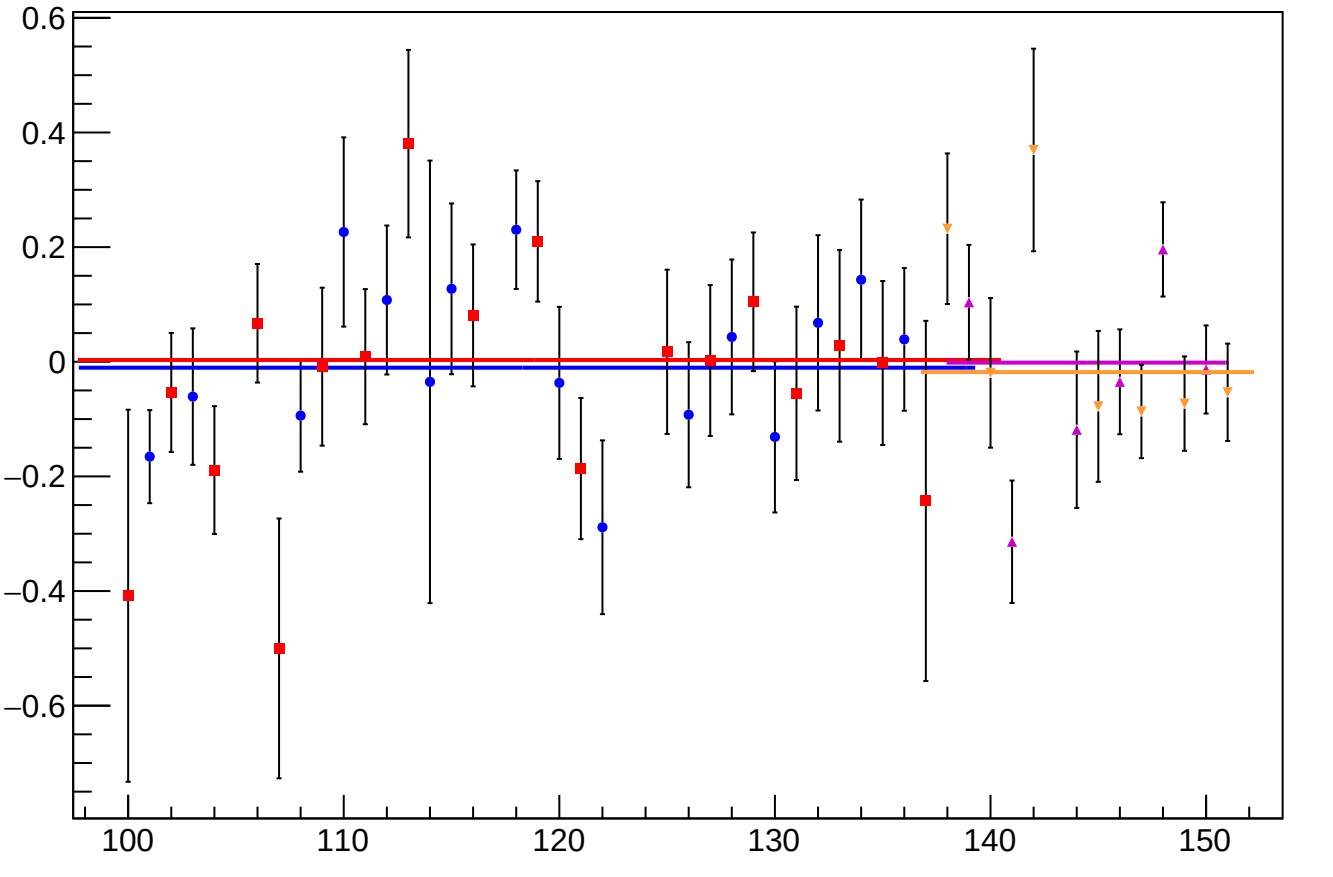
Left In: 0.046+/-0.029 χ^2/NDF:14.1/5

+ sign -0.011+/-0.019 χ^2/NDF: 30.4/22

All: 0.003+/-0.013 χ^2/NDF: 75.1/46

- sign 0.017+/-0.018 χ^2/NDF: 43.5/23


asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
120
110
100
90
80
70
60
50
40
100
110
120
130
140
150
Right In: 60.398+/-0.017 χ²/NDF: 703169.3/15
Left Out: 64.449+/-0.021 χ²/NDF:678369.2/6
Right Out: 60.432+/-0.017 χ²/NDF: 711122.4/17
Left In: 63.426+/-0.020 χ²/NDF:454494.8/5
+ sign 62.002+/-0.013 χ²/NDF: 1404364.5/22
All: 61.819+/-0.009 χ²/NDF: 2583129.7/46
- sign 61.639+/-0.013 χ²/NDF: 1178379.6/23



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

Left Out: -0.018+/-0.039 χ^2/NDF:10.0/6

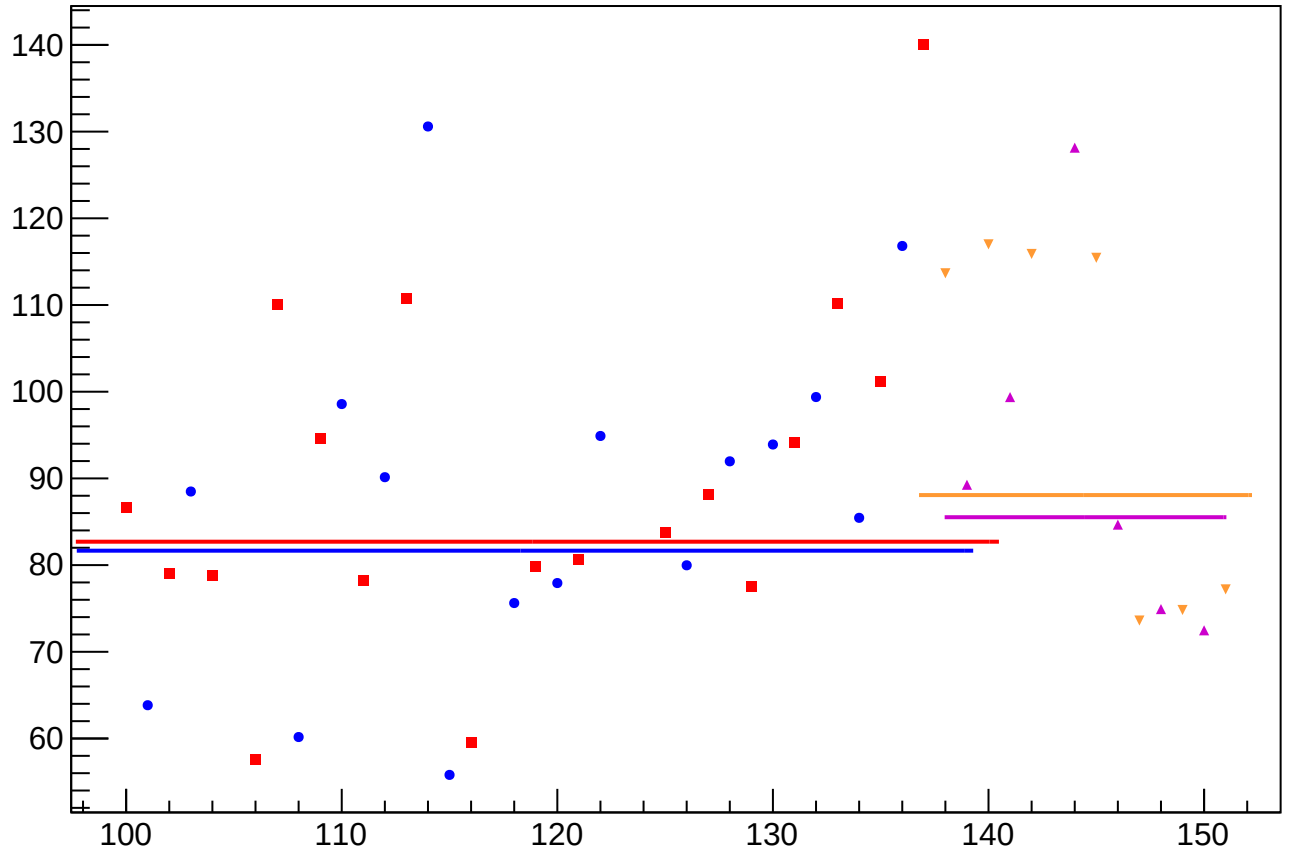
Right Out: 0.003+/-0.032 χ^2/NDF: 23.7/17

Left In: -0.001+/-0.038 χ^2/NDF:16.3/5

+ sign -0.013+/-0.025 χ^2/NDF: 30.2/22

All: -0.006+/-0.017 χ^2/NDF: 70.3/46

- sign 0.001+/-0.024 χ^2/NDF: 40.0/23



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

Left Out: 88.078+/-0.028 χ^2/NDF:457755.9/6

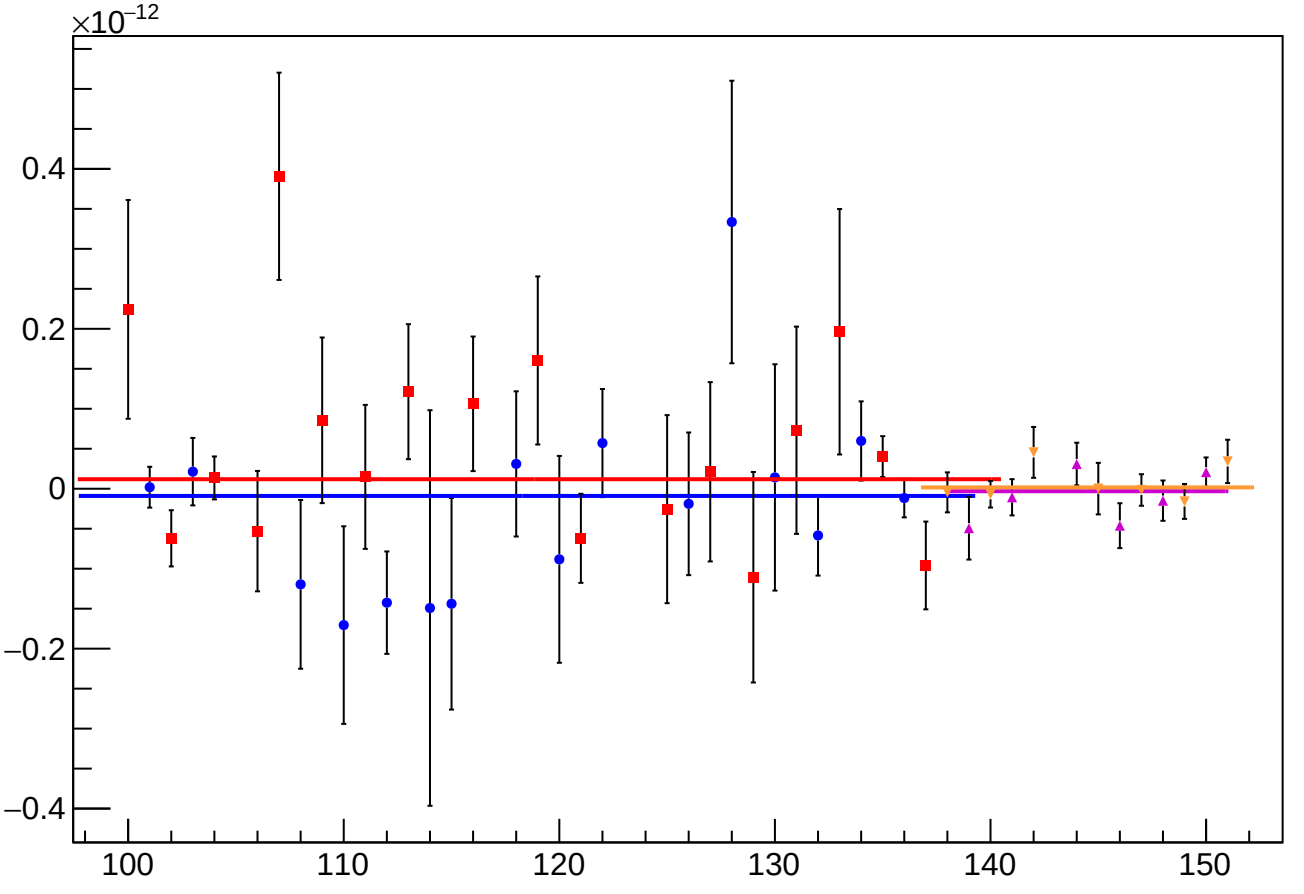
Right Out: 82.700+/-0.022 χ^2/NDF: 473062.4/17

Left In: 85.524+/-0.027 χ^2/NDF:322575.0/5

+ sign 84.173+/-0.017 χ^2/NDF: 1051826.7/22

All: 84.008+/-0.012 χ^2/NDF: 1854064.8/46

- sign 83.846+/-0.017 χ^2/NDF: 802061.2/23



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

Left Out: 0.000+/-0.000 χ^2/NDF:4.3/6

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

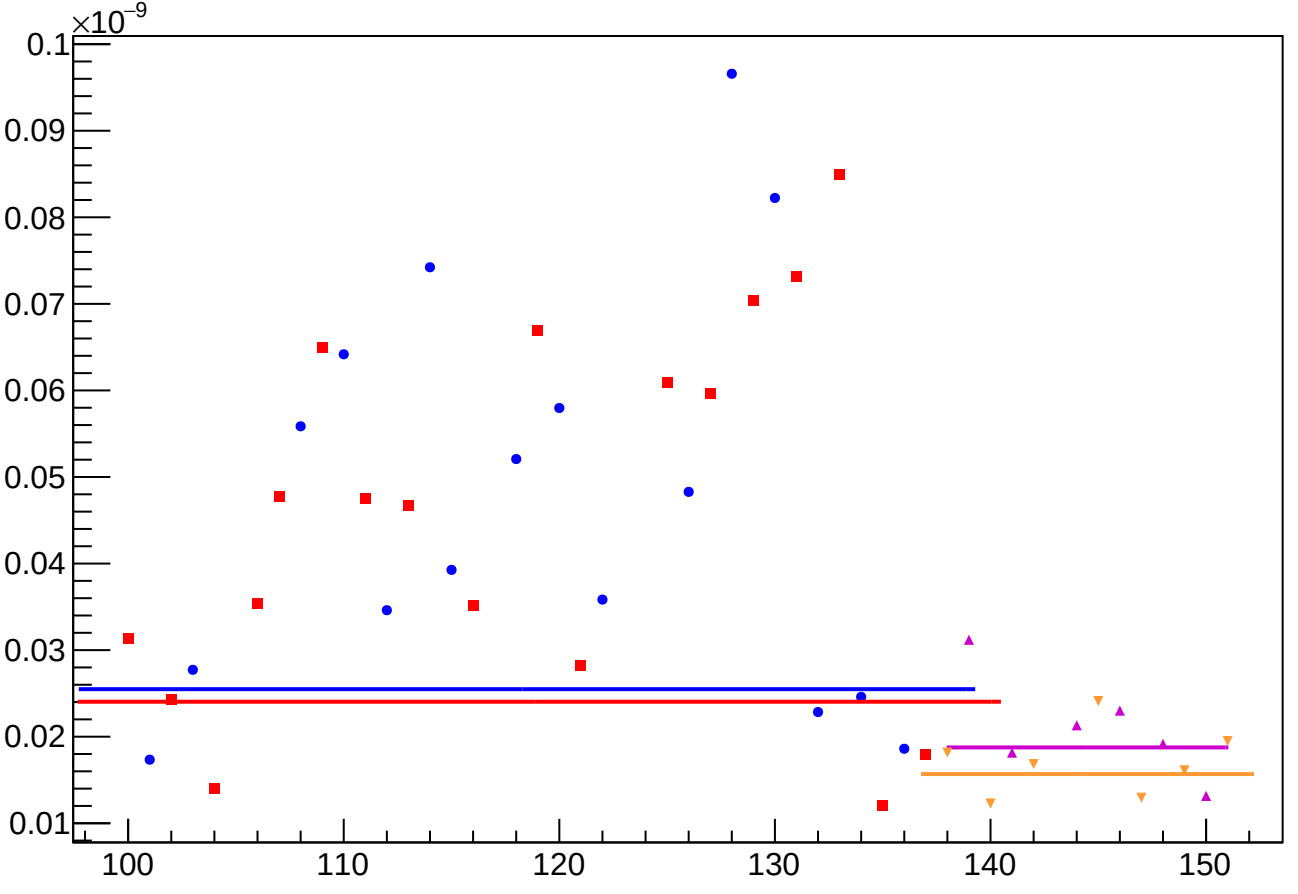
Left In: -0.000+/-0.000 χ^2/NDF:7.4/5

+ sign -0.000+/-0.000 χ^2/NDF: 22.2/22

All: 0.000+/-0.000 χ^2/NDF: 61.6/46

- sign 0.000+/-0.000 χ^2/NDF: 39.2/23

asym_us_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1999848.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:321724.2/6

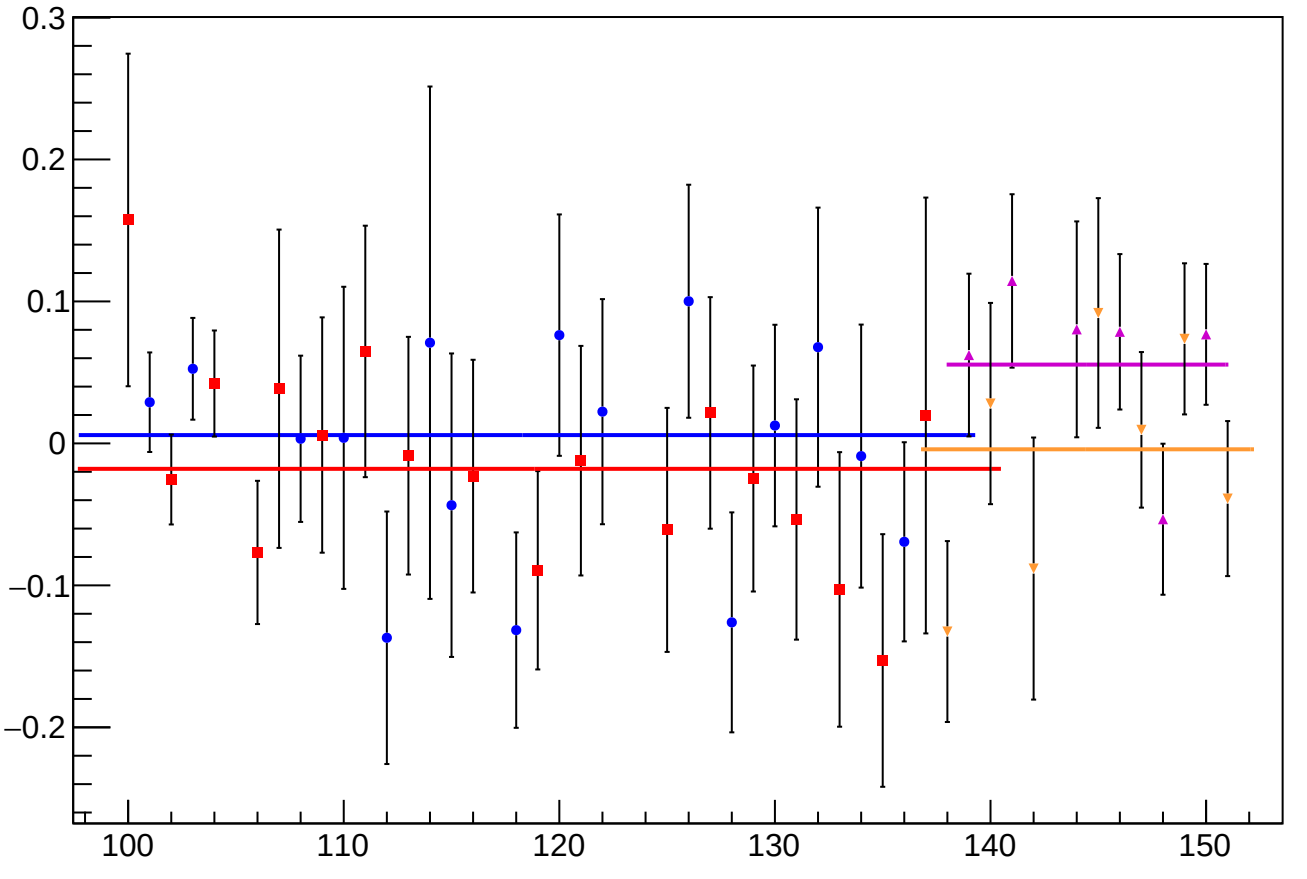
Right Out: 0.000+/-0.000 χ^2/NDF: 3084598.6/17

Left In: 0.000+/-0.000 χ^2/NDF:452522.4/5

+ sign 0.000+/-0.000 χ^2/NDF: 3087143.1/22

All: 0.000+/-0.000 χ^2/NDF: 6892357.8/46

- sign 0.000+/-0.000 χ^2/NDF: 3735314.5/23



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

Left Out: -0.004+/-0.024 χ^2/NDF:9.1/6

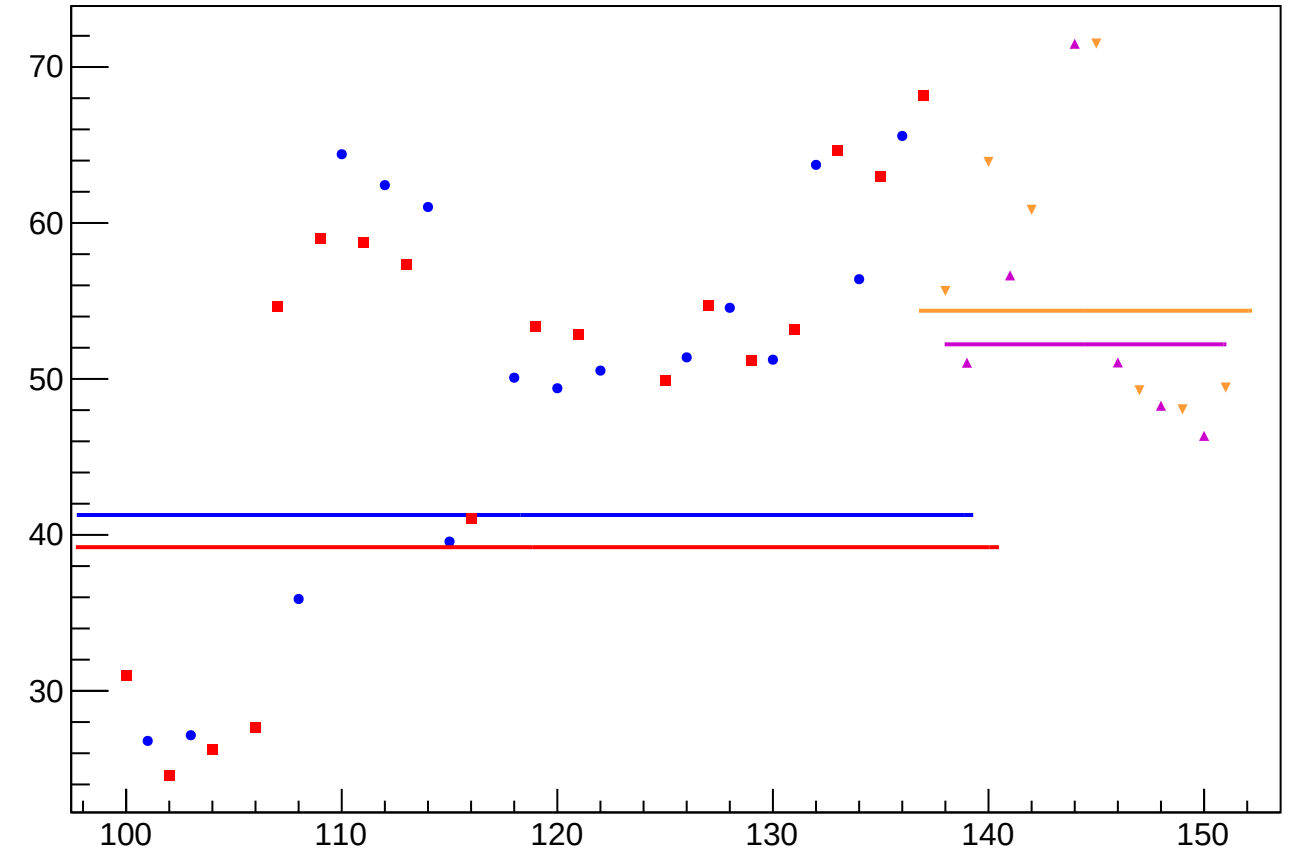
Right Out: -0.018+/-0.016 χ^2/NDF: 12.3/17

Left In: 0.056+/-0.023 χ^2/NDF:5.6/5

+ sign 0.003+/-0.014 χ^2/NDF: 24.8/22

All: 0.004+/-0.009 χ^2/NDF: 49.5/46

- sign 0.005+/-0.013 χ^2/NDF: 24.7/23



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

Left Out: 54.376+/-0.017 χ^2/NDF:198406.1/6

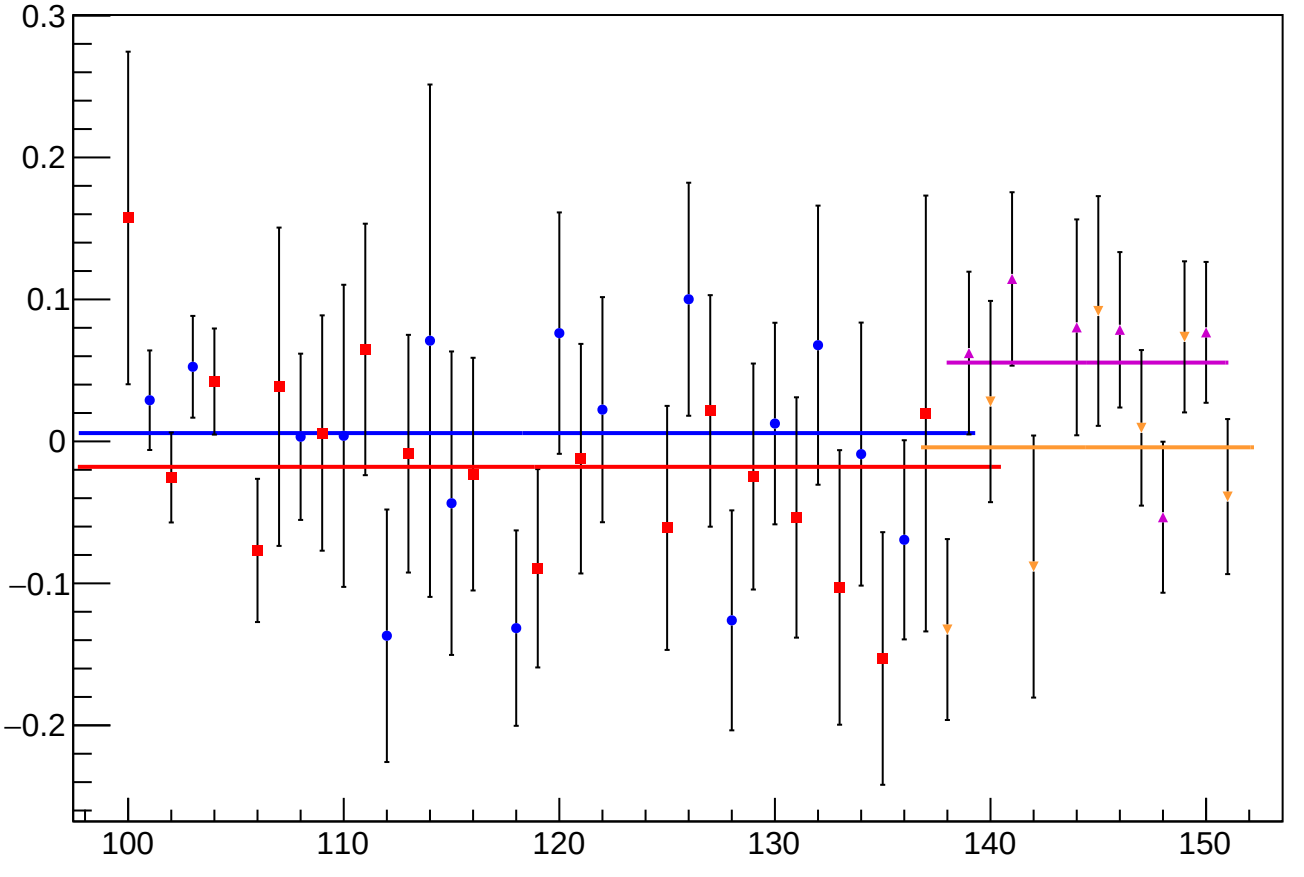
Right Out: 39.212+/-0.011 χ^2/NDF: 1819921.9/17

Left In: 52.218+/-0.016 χ^2/NDF:179654.0/5

+ sign 45.491+/-0.010 χ^2/NDF: 2107973.6/22

All: 44.339+/-0.007 χ^2/NDF: 4562580.6/46

- sign 43.281+/-0.009 χ^2/NDF: 2427102.1/23



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

Left Out: -0.004+/-0.024 χ^2/NDF:9.1/6

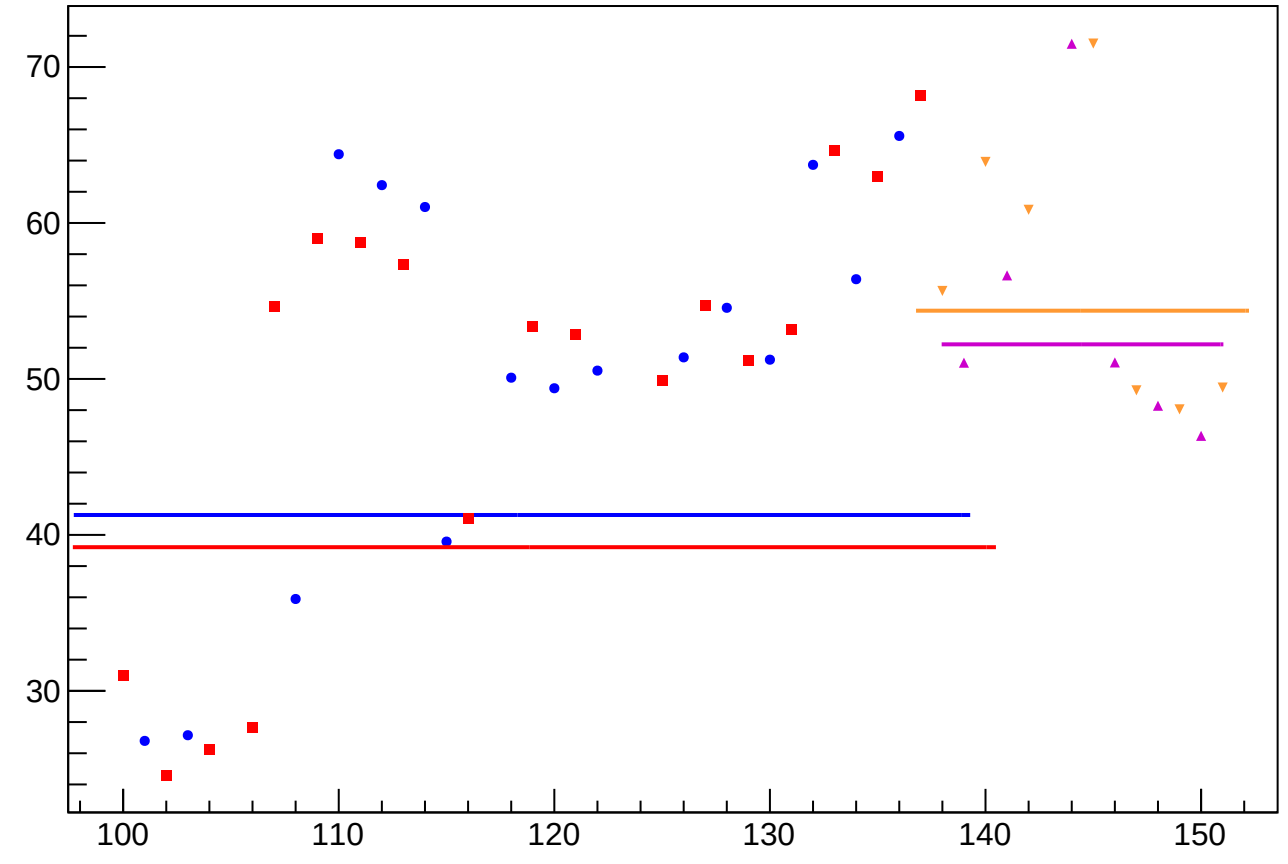
Right Out: -0.018+/-0.016 χ^2/NDF: 12.3/17

Left In: 0.056+/-0.023 χ^2/NDF:5.6/5

+ sign 0.003+/-0.014 χ^2/NDF: 24.8/22

All: 0.004+/-0.009 χ^2/NDF: 49.5/46

- sign 0.005+/-0.013 χ^2/NDF: 24.7/23



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

Left Out: 54.376+/-0.017 χ^2/NDF:198406.1/6

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

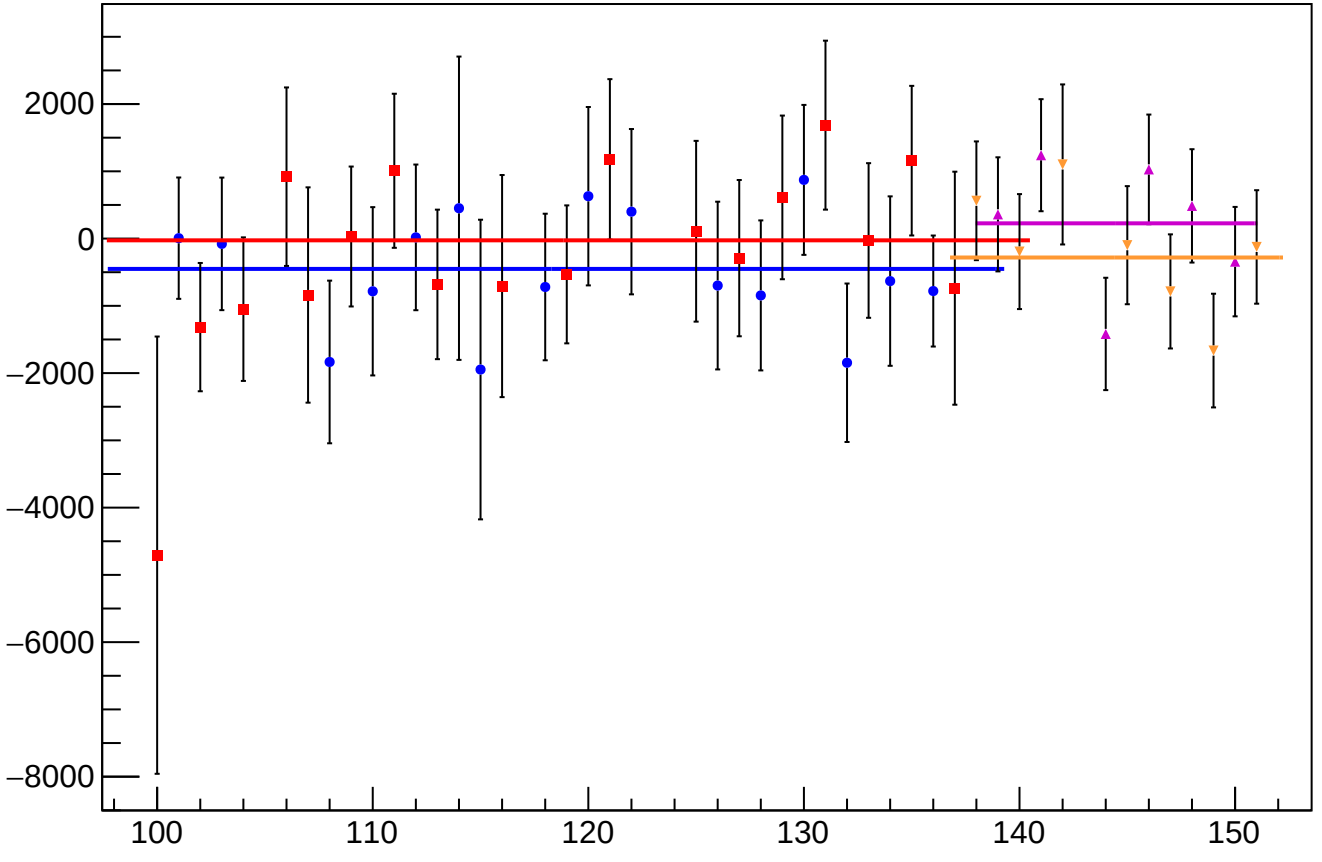
Left In: 52.218+/-0.016 χ^2/NDF:179654.0/5

+ sign 45.491+/-0.010 χ^2/NDF: 2107973.6/22

All: 44.339+/-0.007 χ^2/NDF: 4562580.6/46

- sign 43.281+/-0.009 χ^2/NDF: 2427102.1/23

reg_asym_us_dd_mean vs Slug



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

Left Out: -281.357+/-336.134 χ^2/NDF:5.4/6

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

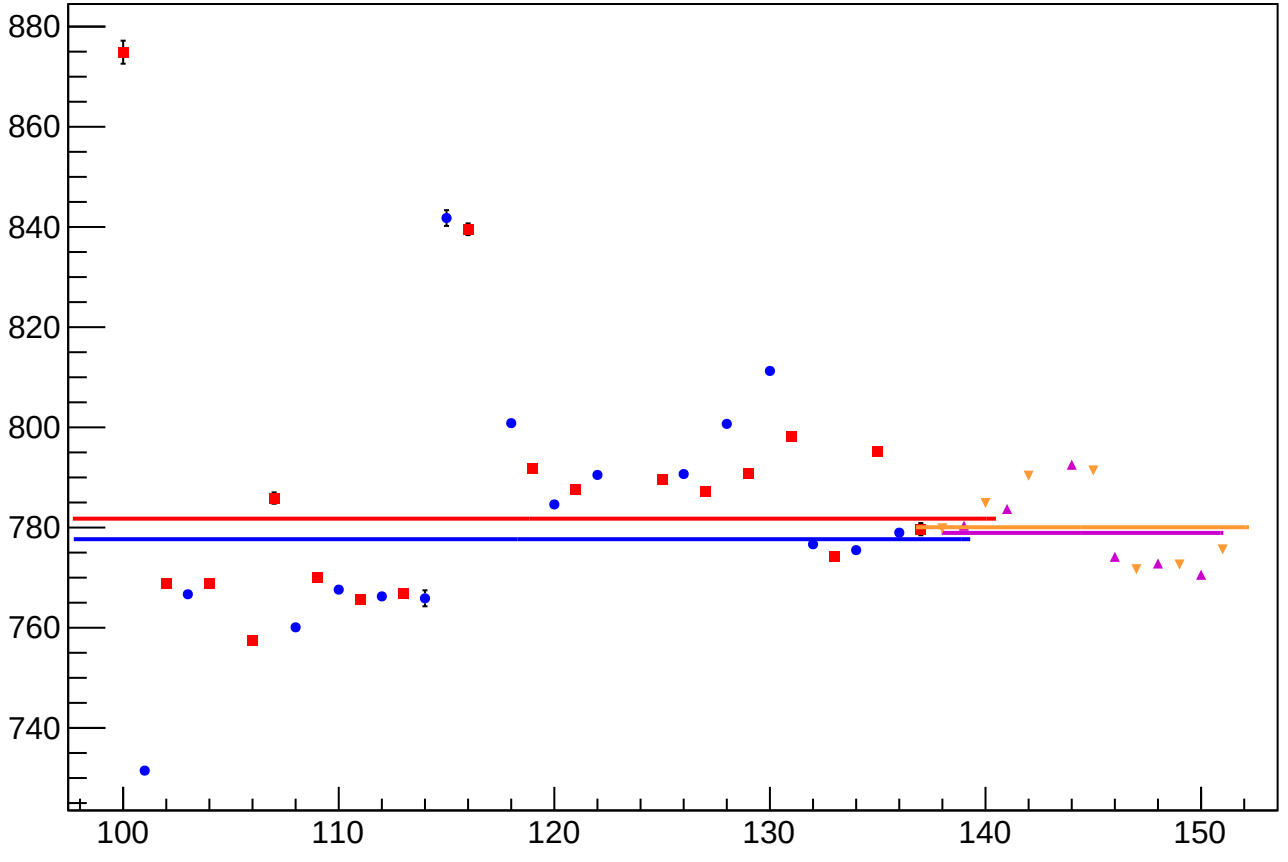
Left In: 226.704+/-339.231 χ^2/NDF:6.9/5

+ sign -378.884+/-219.118 χ^2/NDF: 12.5/22

All: -150.017+/-155.104 χ^2/NDF: 33.6/46

- sign 79.825+/-219.584 χ^2/NDF: 18.9/23

reg_asym_us_dd_rms vs Slug



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

Left Out: 780.061+/-0.238 χ^2/NDF:952.3/6

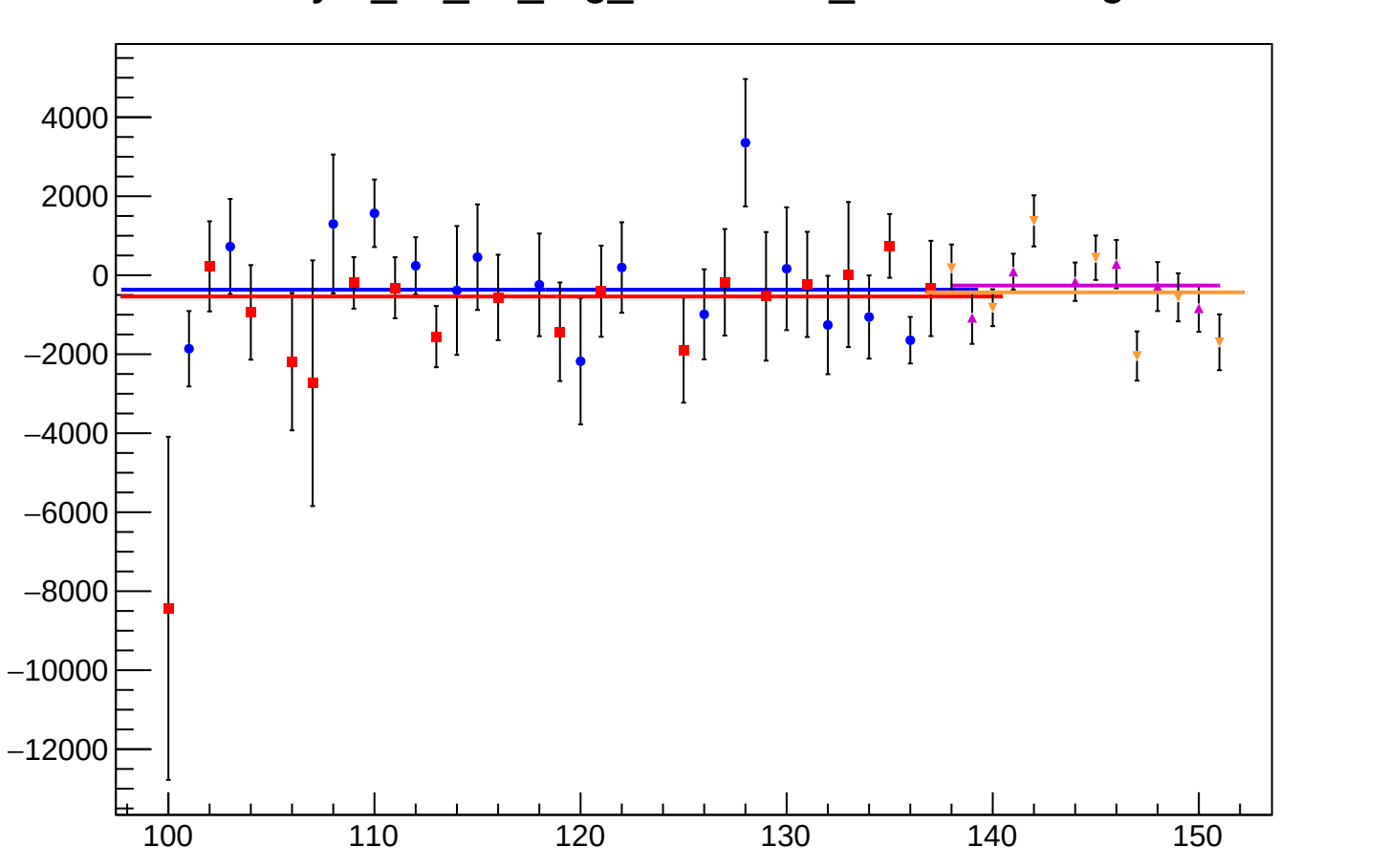
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 778.932+/-0.240 χ^2/NDF:986.6/5

+ sign 778.689+/-0.155 χ^2/NDF: 13065.7/22

All: 779.635+/-0.110 χ^2/NDF: 21835.0/46

- sign 780.585+/-0.155 χ^2/NDF: 8694.6/23



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

Left Out: -433.578+/-222.554 χ^2/NDF:21.9/6

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

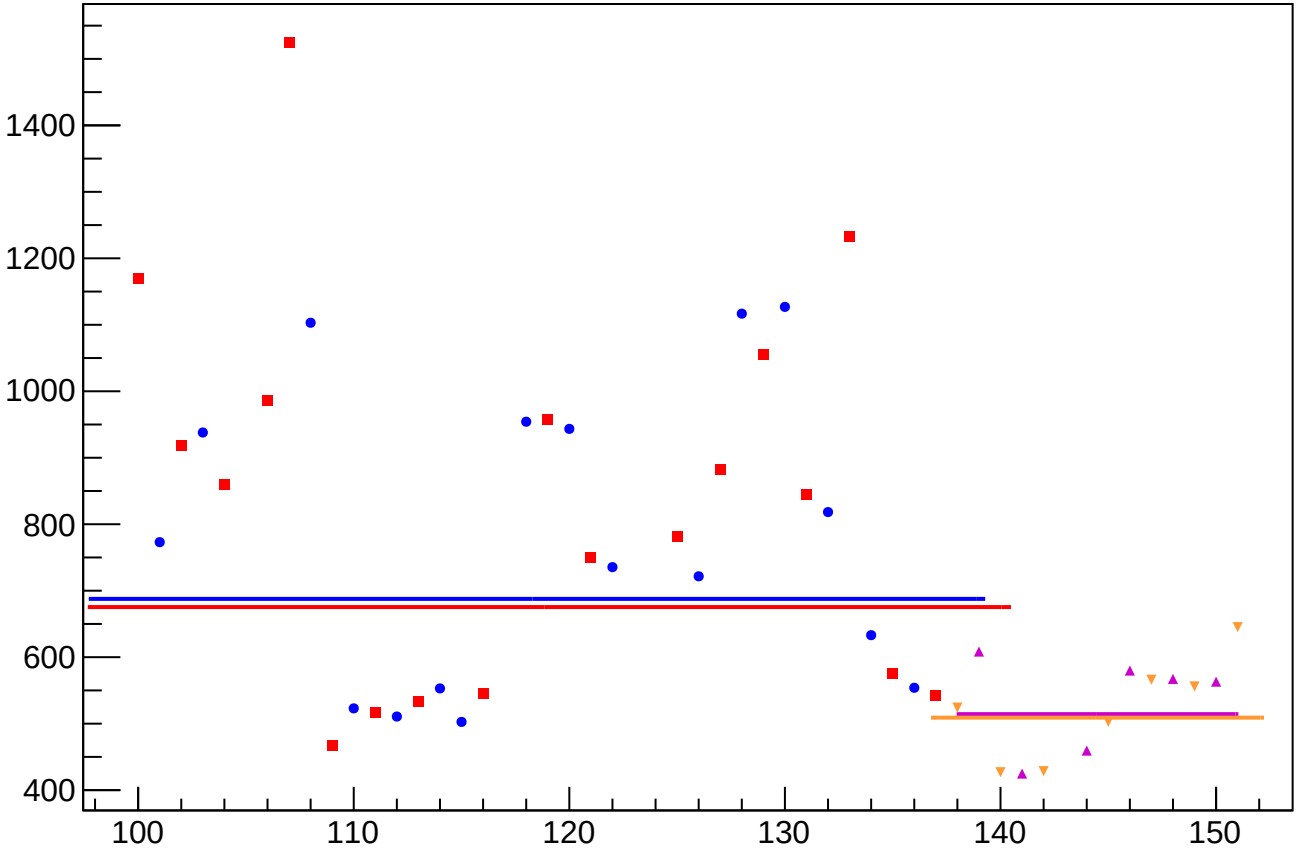
Left In: -260.554+/-226.648 χ^2/NDF:3.9/5

+ sign -406.251+/-170.874 χ^2/NDF: 45.3/22

All: -392.797+/-121.105 χ^2/NDF: 61.5/46

- sign -379.219+/-171.664 χ^2/NDF: 16.2/23

asym_us_dd_reg_correction_rms vs Slug



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

Left Out: 509.049+/-0.157 χ^2/NDF:197134.2/6

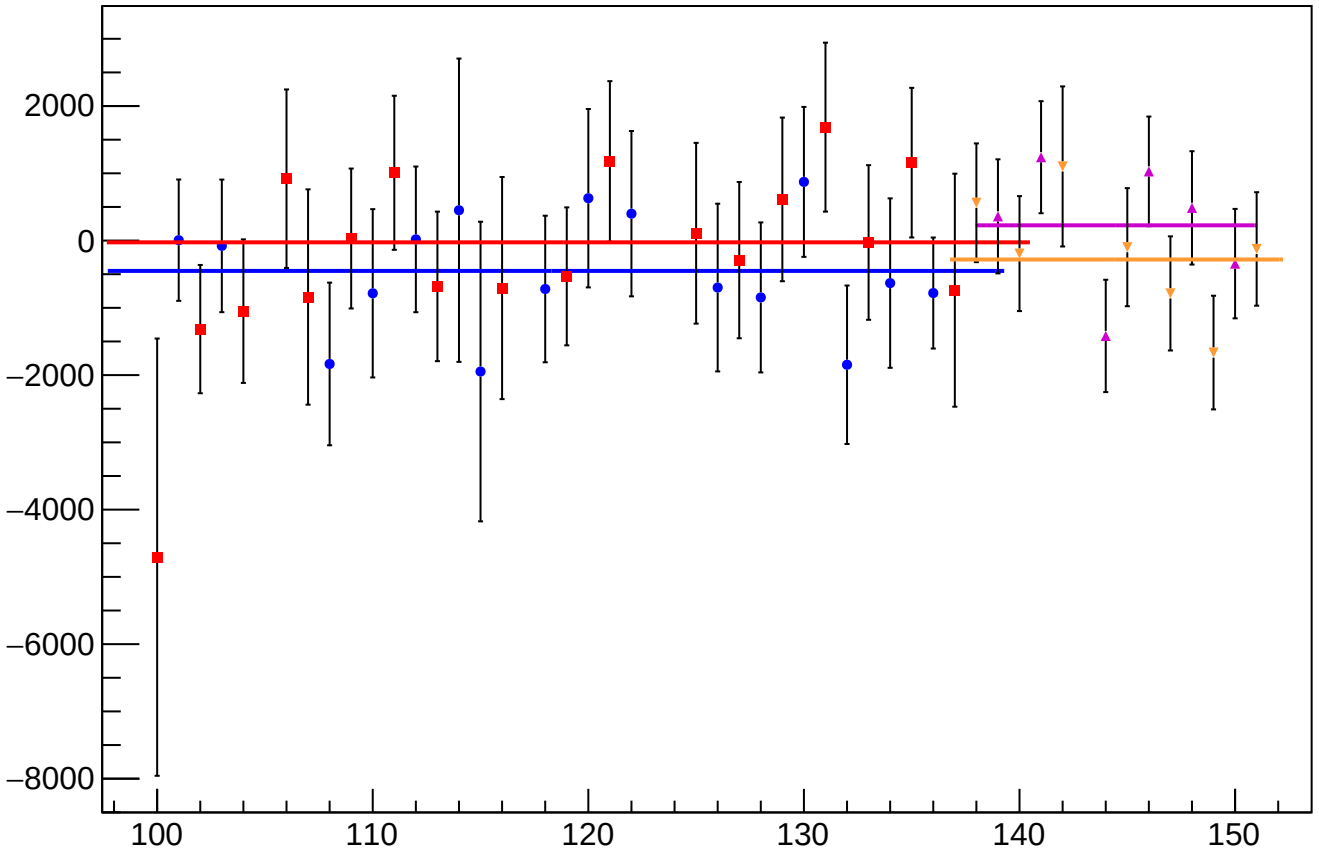
Right Out: 675.410+/-0.186 χ^2/NDF: 1313004.6/17

Left In: 514.325+/-0.160 χ^2/NDF:194650.4/5

+ sign 582.392+/-0.121 χ^2/NDF: 1758174.6/22

All: 582.696+/-0.086 χ^2/NDF: 3696554.0/46

- sign 583.002+/-0.121 χ^2/NDF: 1938366.7/23



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

Left Out: -281.357+/-336.134 χ^2/NDF:5.4/6

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

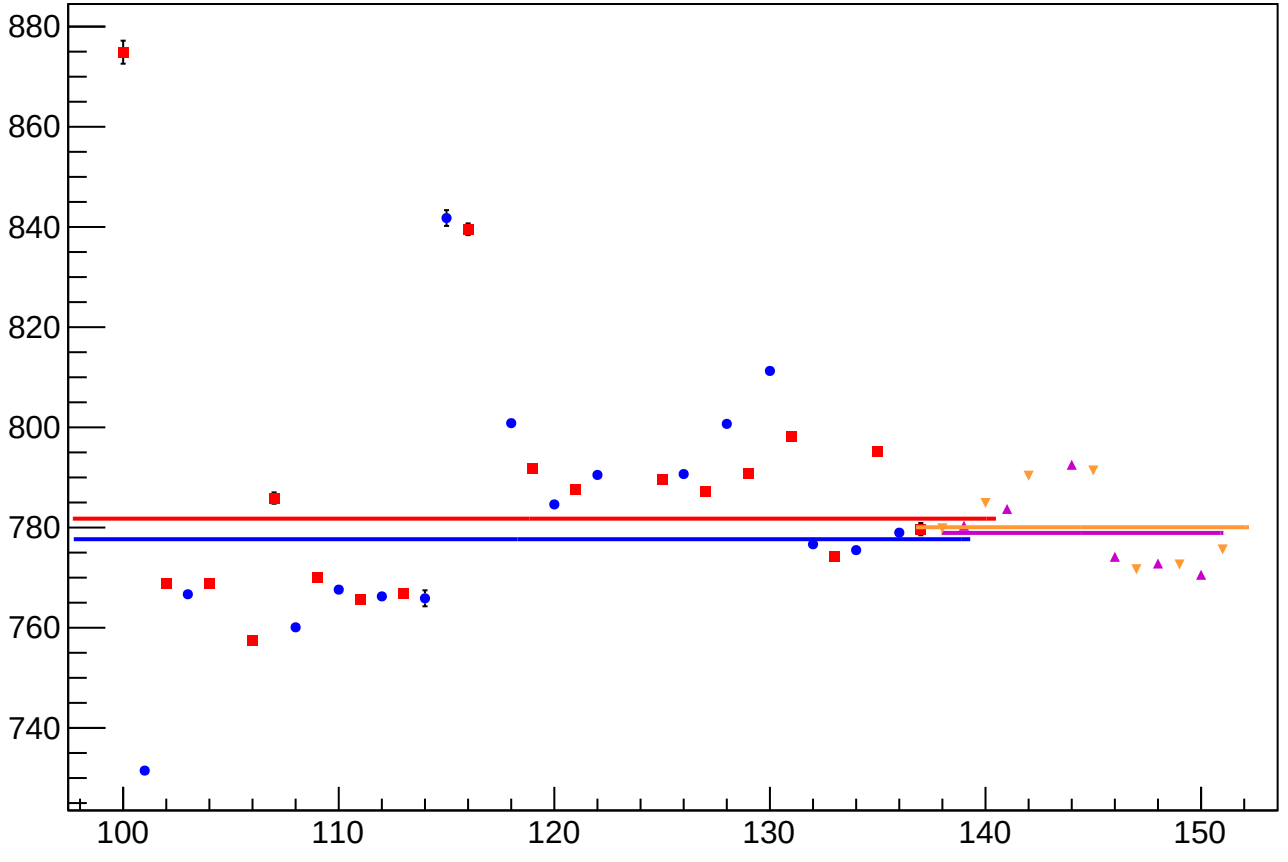
Left In: 226.704+/-339.231 χ^2/NDF:6.9/5

+ sign -378.884+/-219.118 χ^2/NDF: 12.5/22

All: -150.017+/-155.104 χ^2/NDF: 33.6/46

- sign 79.825+/-219.584 χ^2/NDF: 18.9/23

cor_asym_us_dd_rms vs Slug



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

Left Out: 780.061+/-0.238 χ^2/NDF:952.3/6

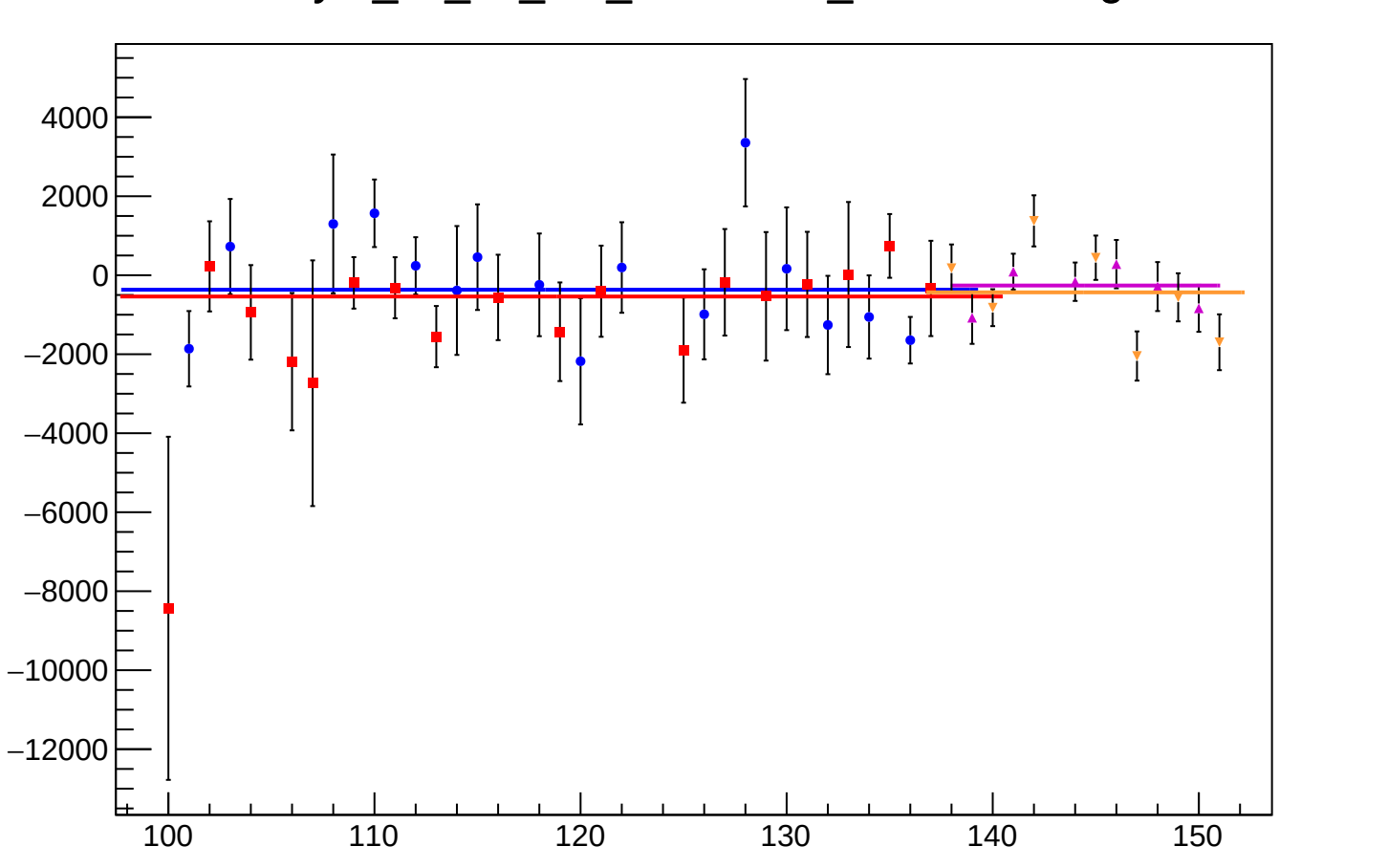
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 778.932+/-0.240 χ^2/NDF:986.6/5

+ sign 778.689+/-0.155 χ^2/NDF: 13065.7/22

All: 779.635+/-0.110 χ^2/NDF: 21835.0/46

- sign 780.585+/-0.155 χ^2/NDF: 8694.6/23



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

Left Out: -433.578+/-222.554 χ^2/NDF:21.9/6

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

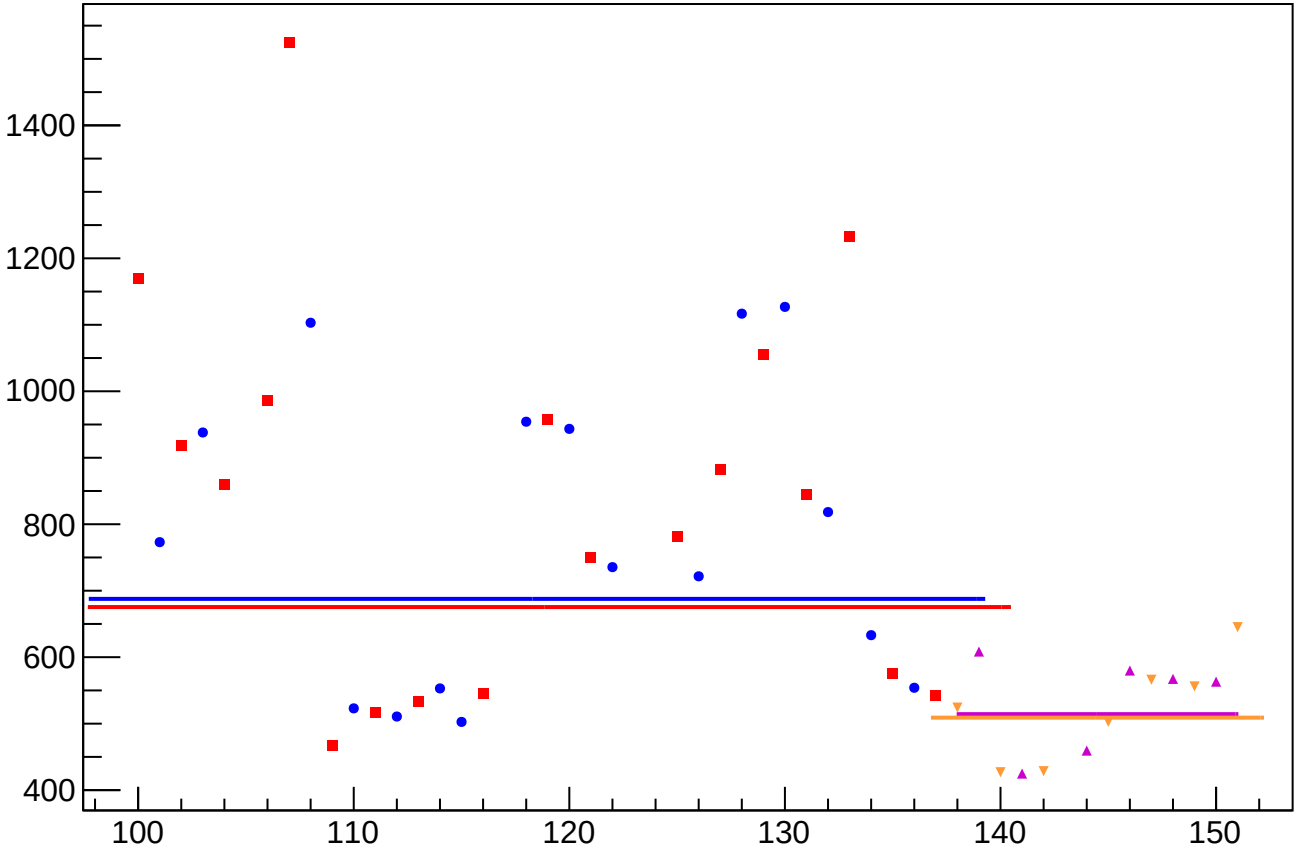
Left In: -260.554+/-226.648 χ^2/NDF:3.9/5

\+ sign -406.251+/-170.874 χ^2/NDF: 45.3/22

All: -392.797+/-121.105 χ^2/NDF: 61.5/46

\- sign -379.219+/-171.664 χ^2/NDF: 16.2/23

asym_us_dd_cor_correction_rms vs Slug



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

Left Out: 509.049+/-0.157 χ^2/NDF:197134.2/6

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

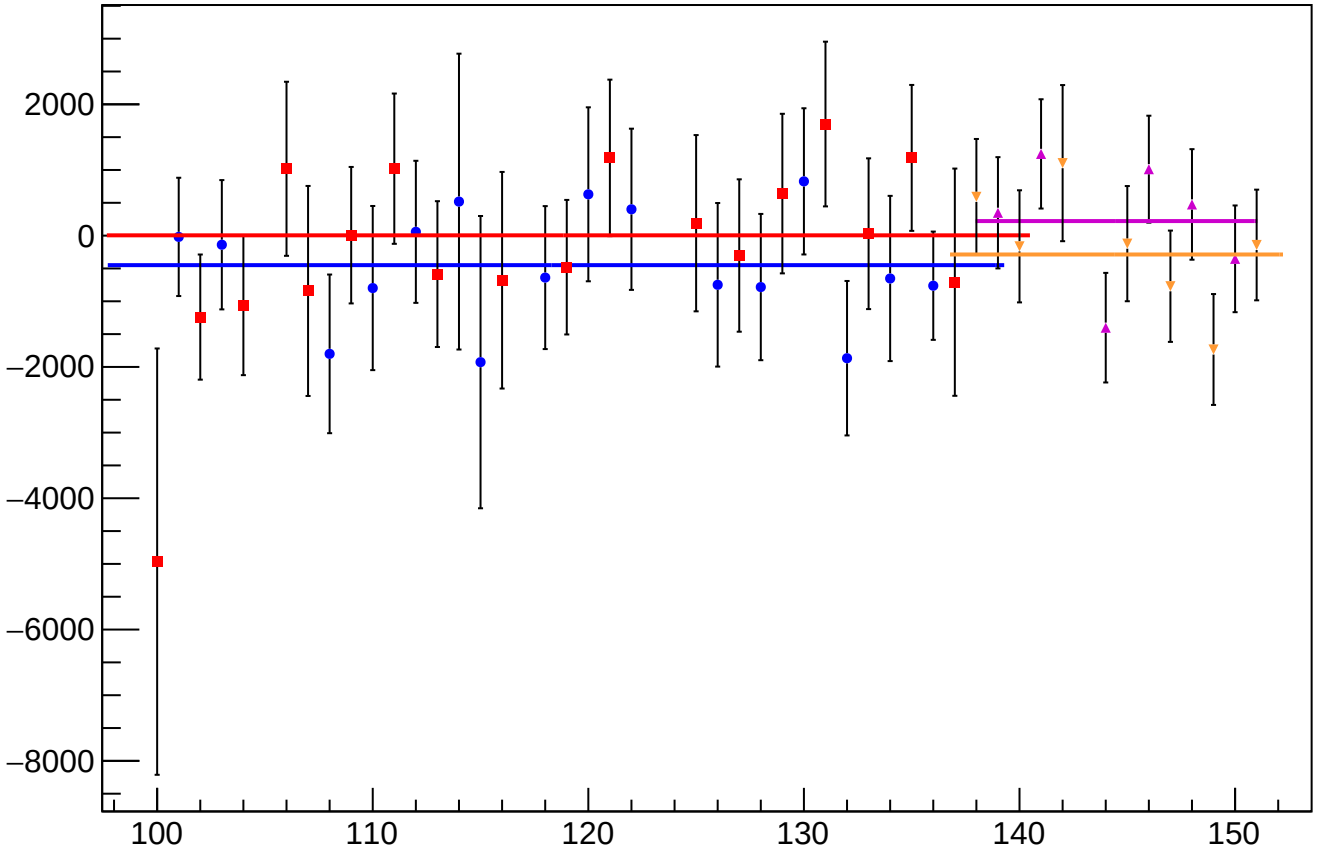
Left In: 514.325+/-0.160 χ^2/NDF:194650.4/5

+ sign 582.392+/-0.121 χ^2/NDF: 1758174.6/22

All: 582.696+/-0.086 χ^2/NDF: 3696554.0/46

- sign 583.002+/-0.121 χ^2/NDF: 1938366.7/23

overload_cor_asym_us_dd_mean vs Slug



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

Left Out: -287.190+/-335.835 χ^2/NDF:5.7/6

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

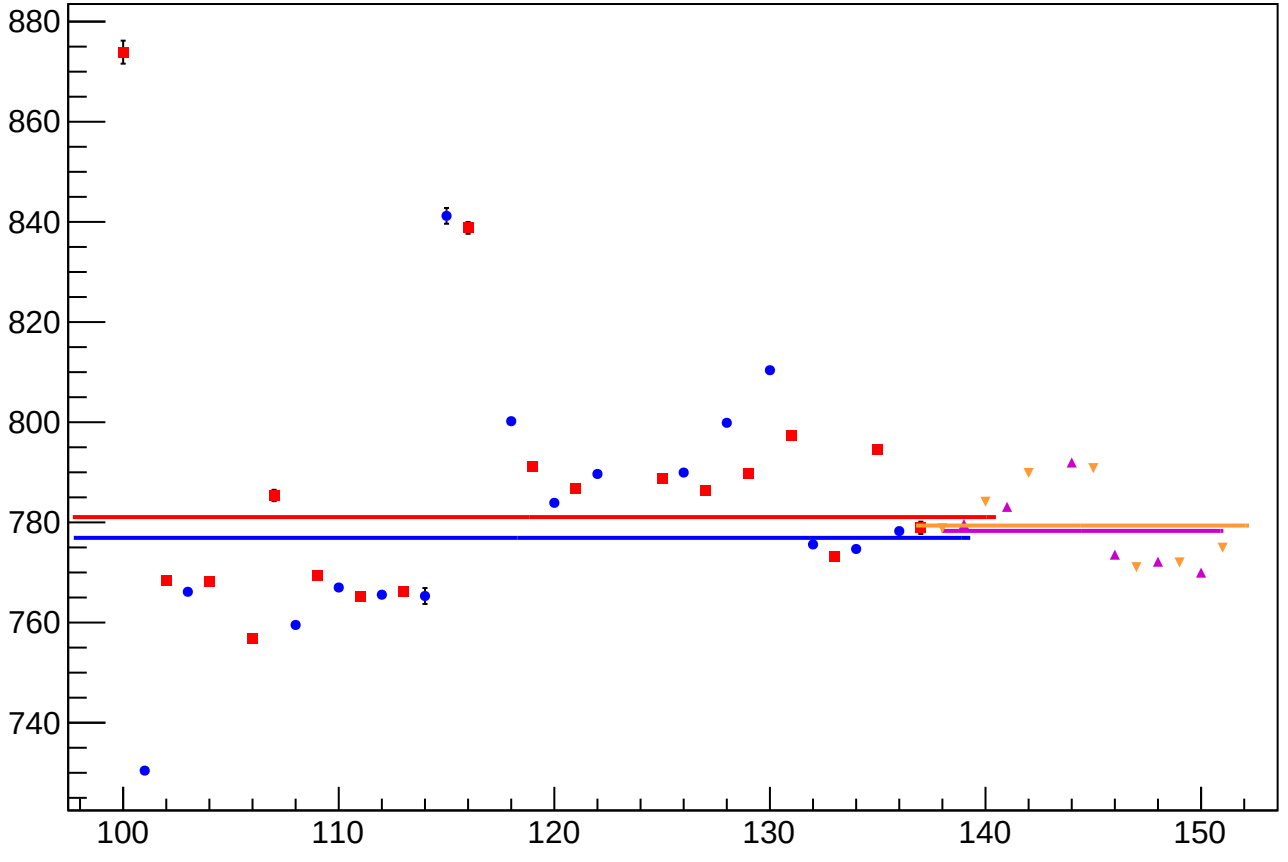
Left In: 221.784+/-338.958 χ^2/NDF:6.9/5

+ sign -380.494+/-218.912 χ^2/NDF: 12.6/22

All: -142.963+/-154.964 χ^2/NDF: 33.9/46

- sign 95.614+/-219.393 χ^2/NDF: 18.9/23

overload_cor_asym_us_dd_rms vs Slug



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

Left Out: 779.367+/-0.237 χ^2/NDF:959.7/6

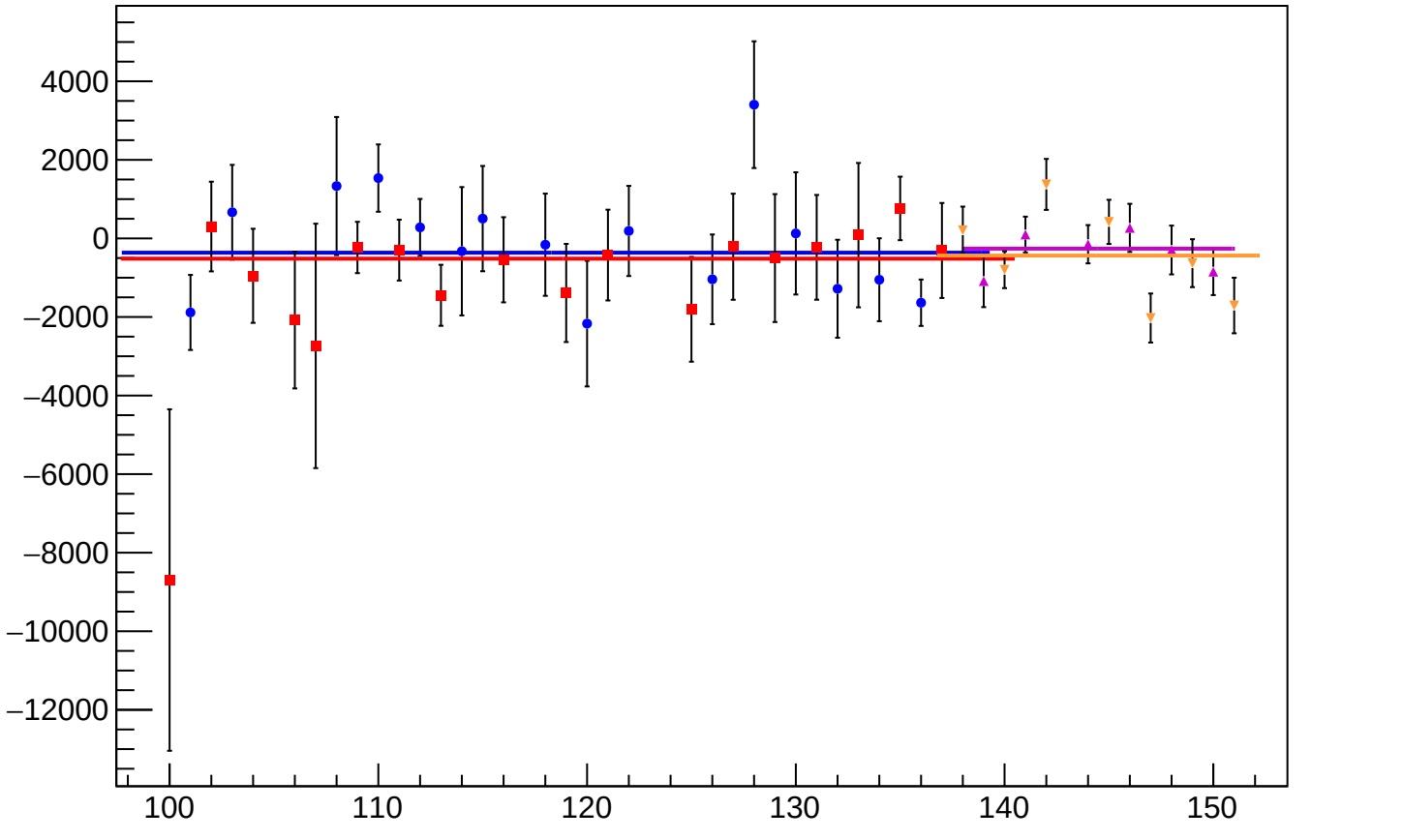
Right Out: 781.061+/-0.204 χ^2/NDF: 7585.8/17

Left In: 778.304+/-0.240 χ^2/NDF:992.0/5

+ sign 777.956+/-0.155 χ^2/NDF: 13144.7/22

All: 778.929+/-0.110 χ^2/NDF: 21878.6/46

- sign 779.906+/-0.155 χ^2/NDF: 8654.7/23



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

Left Out: -436.183+/-223.054 χ^2/NDF:21.7/6

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

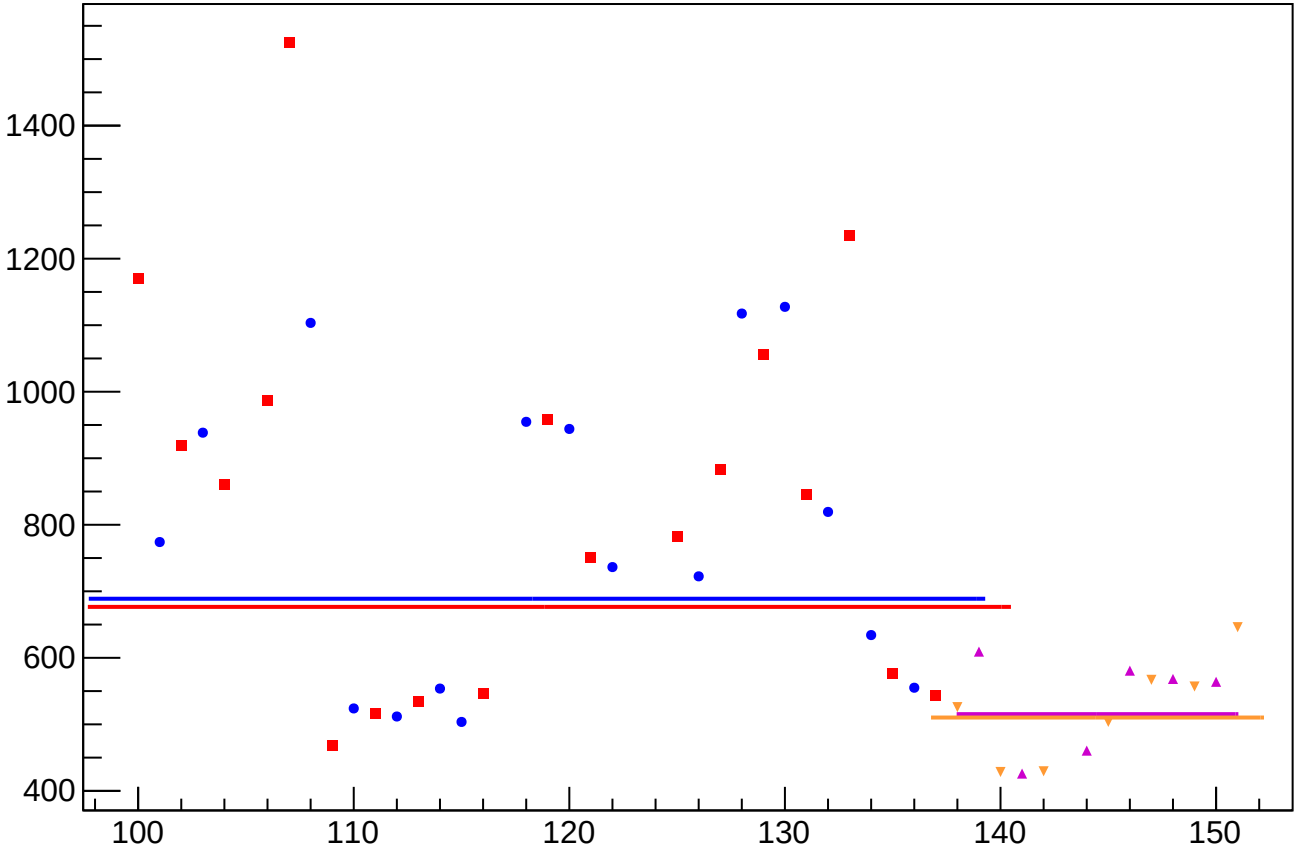
Left In: -260.379+/-227.085 χ^2/NDF:3.9/5

+ sign -406.035+/-171.202 χ^2/NDF: 45.1/22

All: -387.656+/-121.327 χ^2/NDF: 61.0/46

- sign -369.112+/-171.964 χ^2/NDF: 15.9/23

asym_us_dd_overload_cor_correction_rms vs Slug



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

Left Out: 510.256+/-0.158 χ^2/NDF:195473.4/6

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

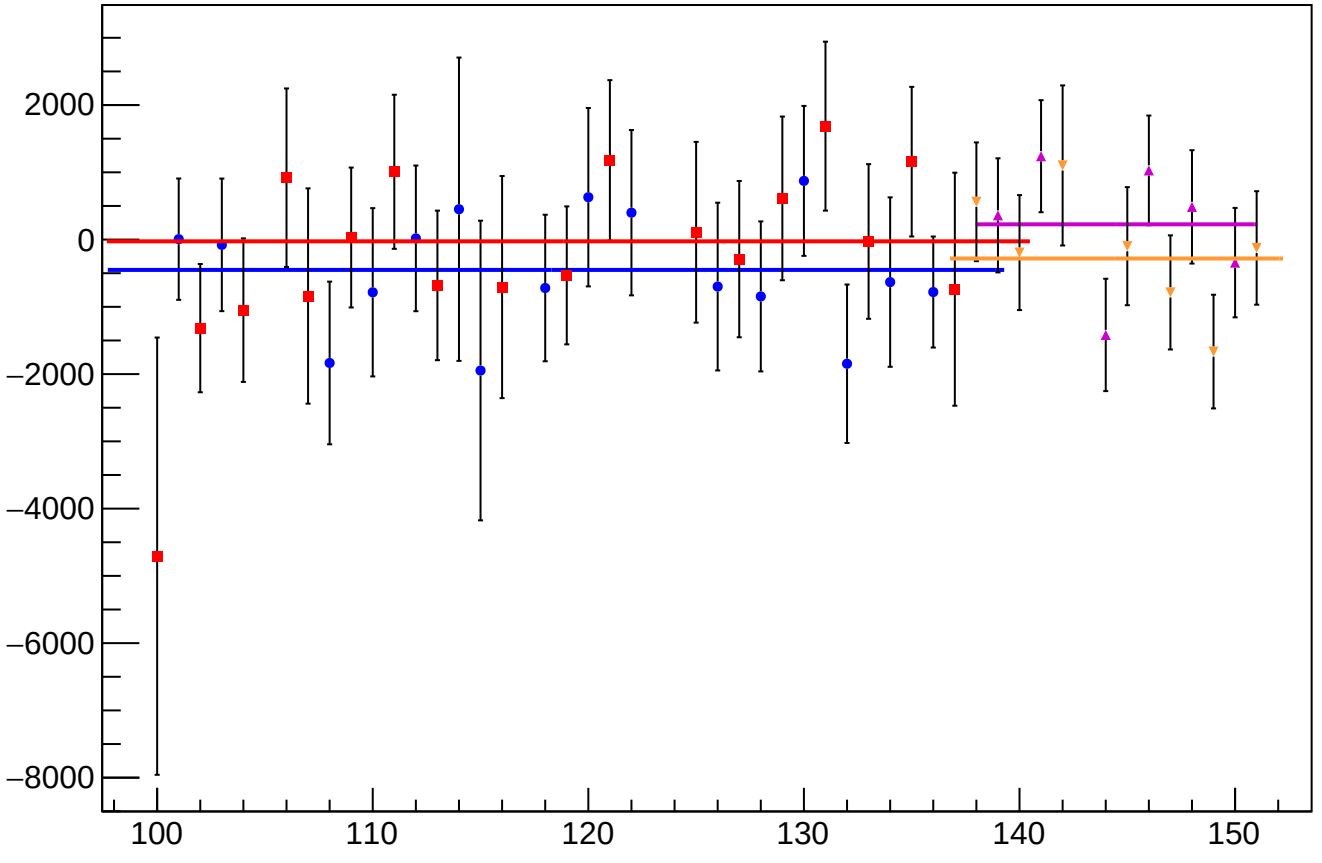
Left In: 515.356+/-0.161 χ^2/NDF:193320.2/5

+ sign 583.628+/-0.121 χ^2/NDF: 1750287.7/22

All: 583.874+/-0.086 χ^2/NDF: 3681619.3/46

- sign 584.122+/-0.122 χ^2/NDF: 1931323.3/23

eigen_cor_asym_us_dd_mean vs Slug



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

Left Out: -281.357+/-336.134 χ^2/NDF:5.4/6

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

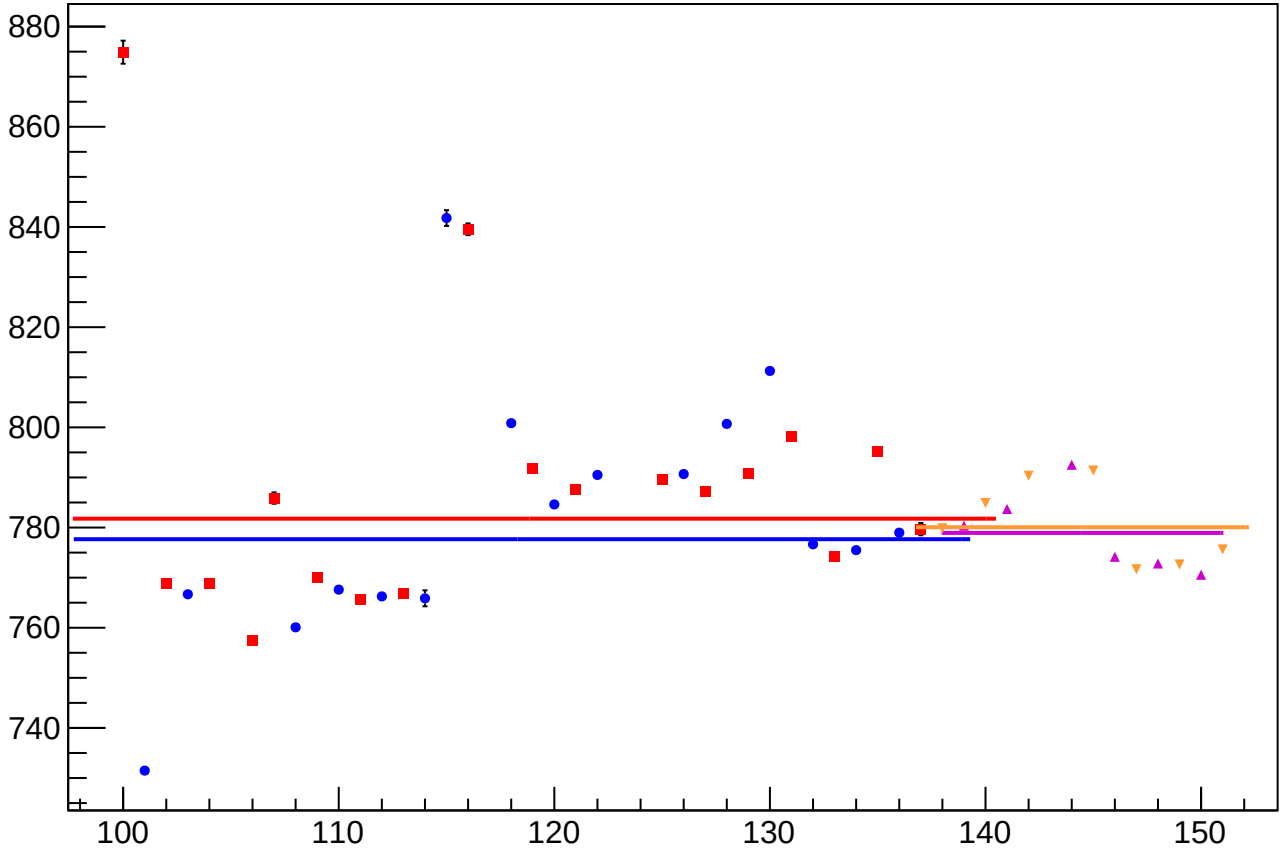
Left In: 226.704+/-339.231 χ^2/NDF:6.9/5

+ sign -378.884+/-219.118 χ^2/NDF: 12.5/22

All: -150.017+/-155.104 χ^2/NDF: 33.6/46

- sign 79.825+/-219.584 χ^2/NDF: 18.9/23

eigen_cor_asym_us_dd_rms vs Slug



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

Left Out: 780.061+/-0.238 χ^2/NDF:952.3/6

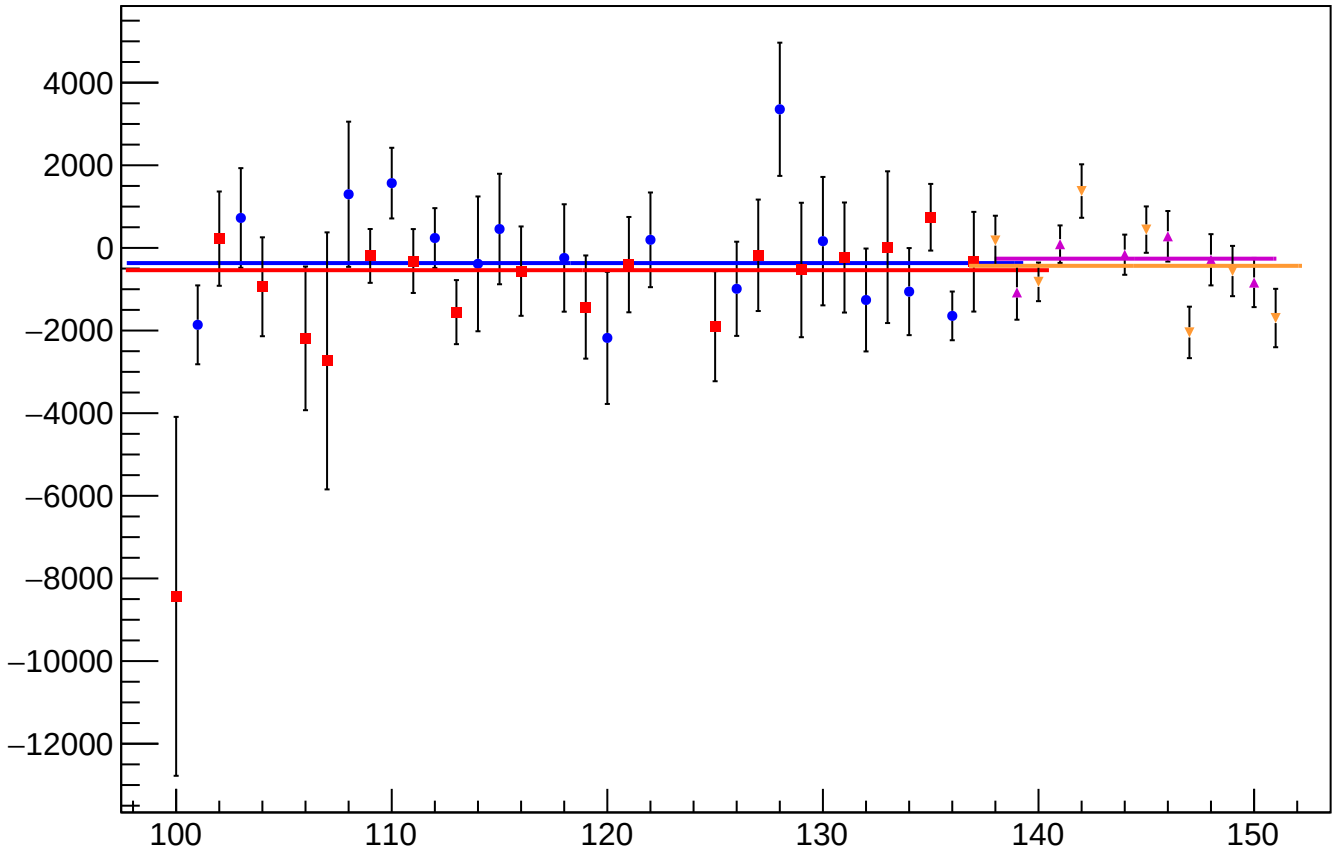
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 778.932+/-0.240 χ^2/NDF:986.6/5

+ sign 778.689+/-0.155 χ^2/NDF: 13065.7/22

All: 779.635+/-0.110 χ^2/NDF: 21835.0/46

- sign 780.585+/-0.155 χ^2/NDF: 8694.6/23



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

Left Out: -433.578+/-222.554 χ^2/NDF:21.9/6

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

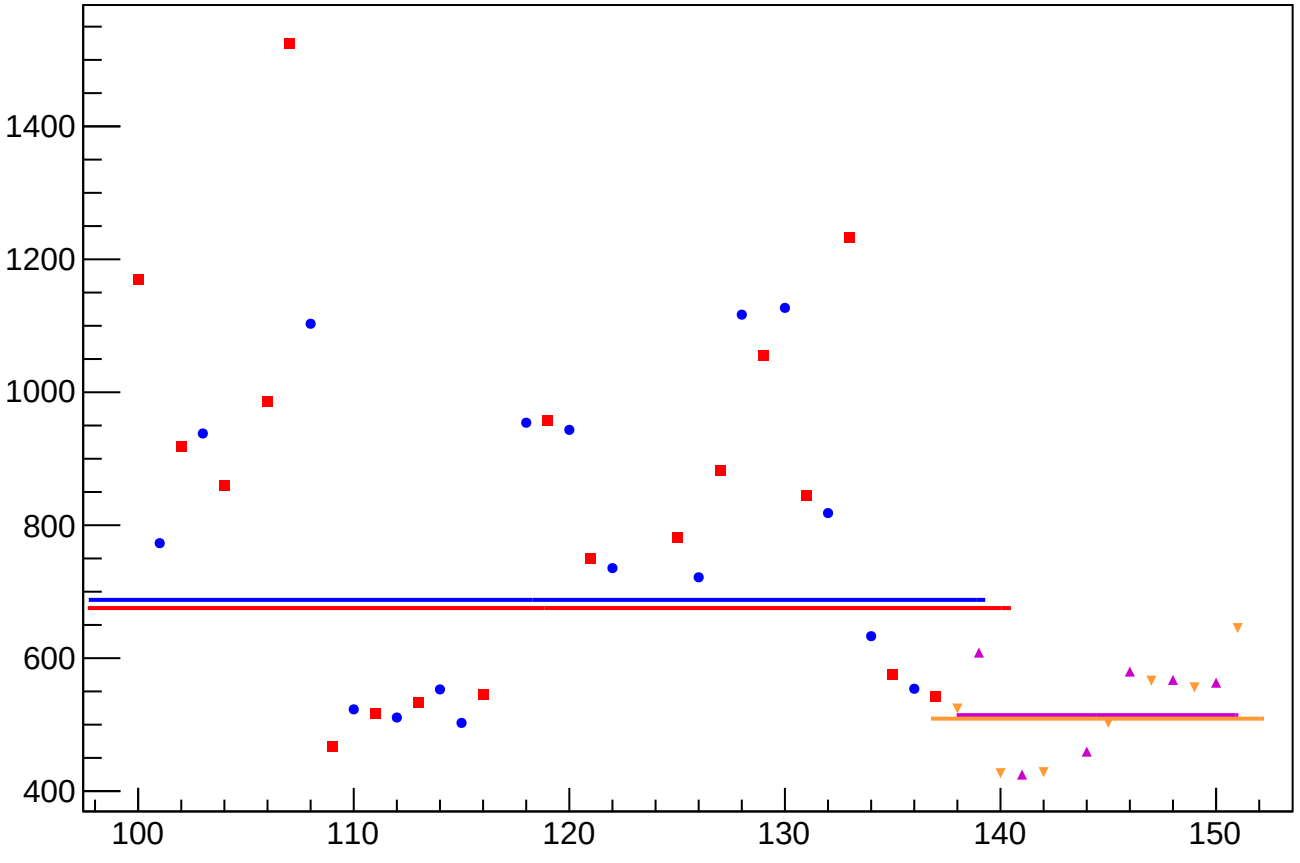
Left In: -260.554+/-226.648 χ^2/NDF:3.9/5

+ sign -406.251+/-170.874 χ^2/NDF: 45.3/22

All: -392.797+/-121.105 χ^2/NDF: 61.5/46

- sign -379.219+/-171.664 χ^2/NDF: 16.2/23

asym_us_dd_eigen_cor_correction_rms vs Slug



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

Left Out: 509.049+/-0.157 χ^2/NDF:197134.2/6

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

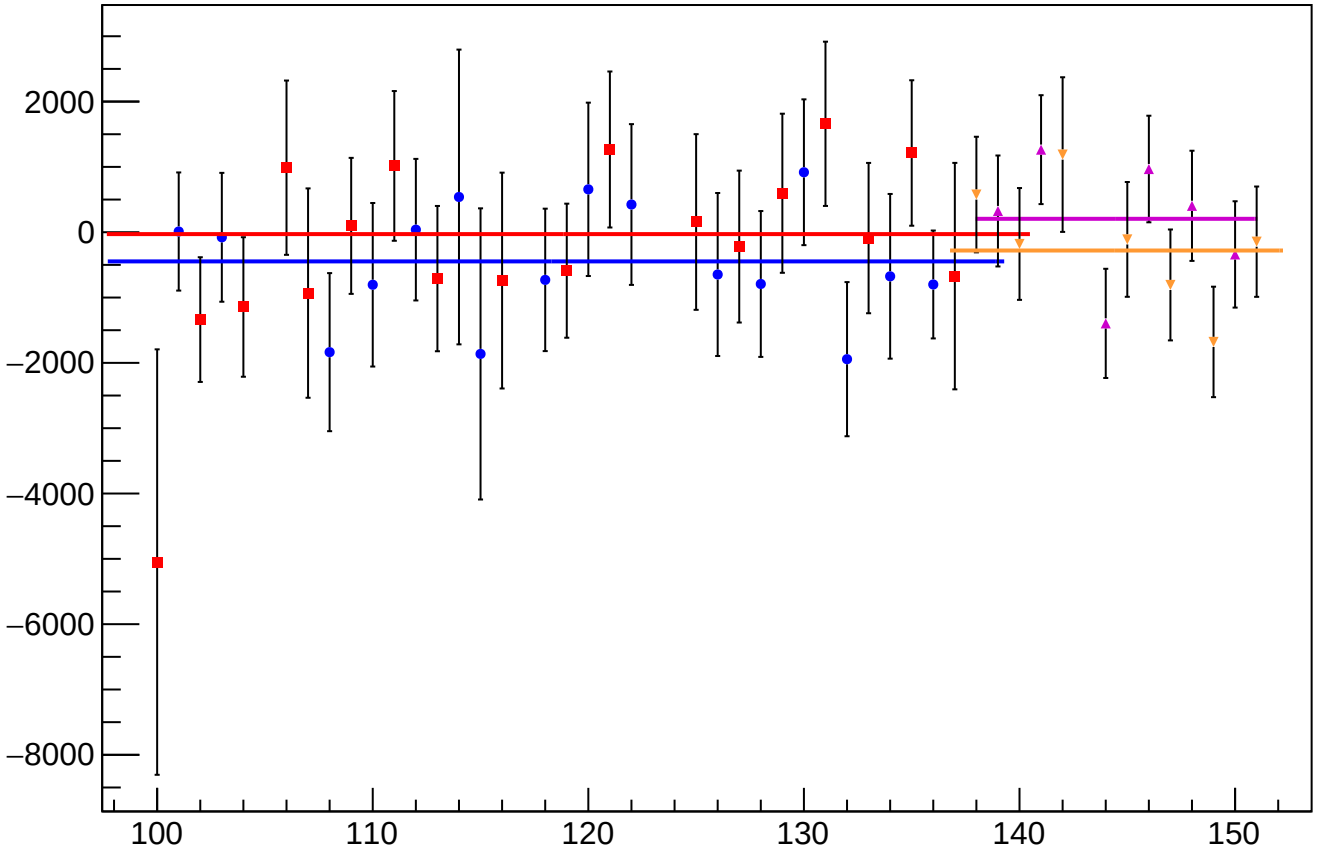
Left In: 514.325+/-0.160 χ^2/NDF:194650.4/5

+ sign 582.392+/-0.121 χ^2/NDF: 1758174.6/22

All: 582.696+/-0.086 χ^2/NDF: 3696554.0/46

- sign 583.002+/-0.121 χ^2/NDF: 1938366.7/23

dit_asym_us_dd_mean vs Slug



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

Left Out: -279.989+/-336.344 χ^2/NDF:5.7/6

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

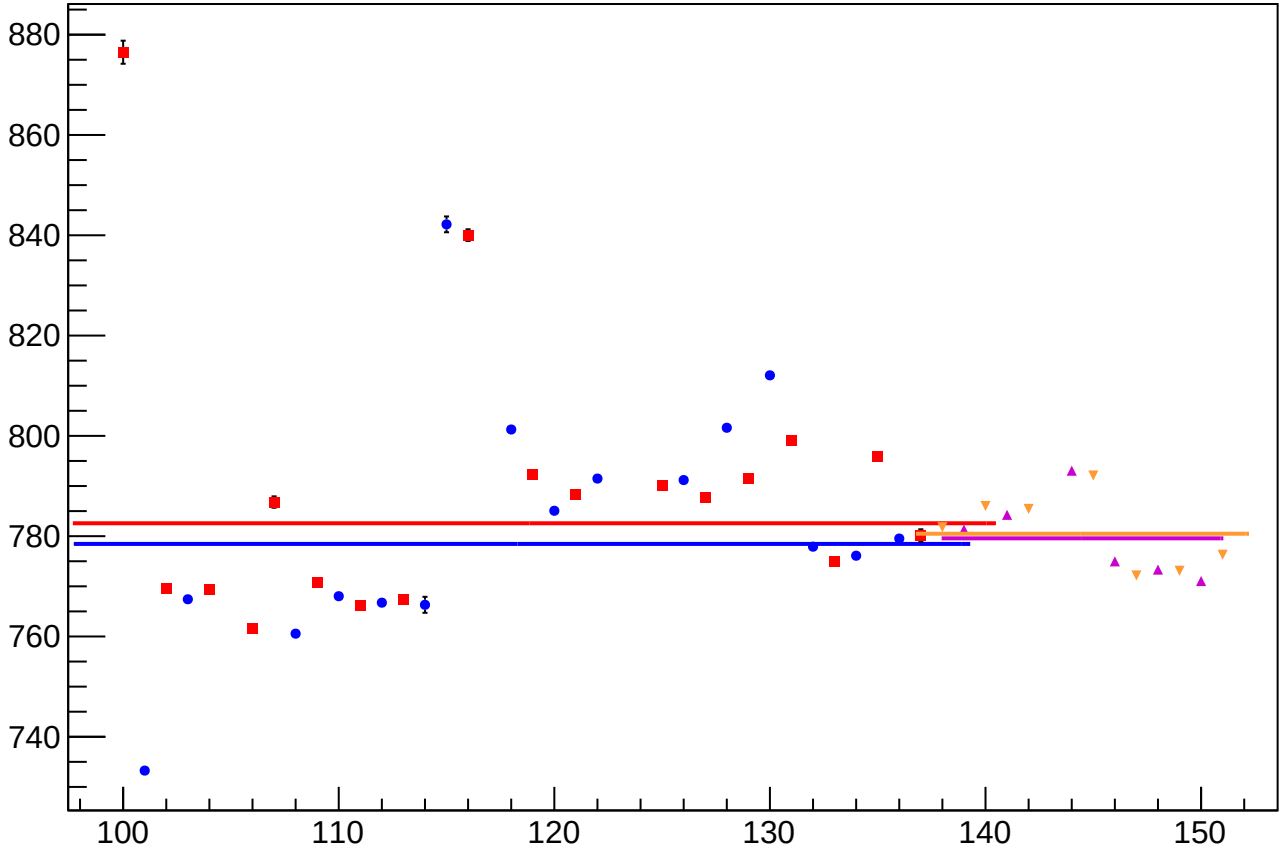
Left In: 205.246+/-339.509 χ^2/NDF:6.7/5

+ sign -375.803+/-219.302 χ^2/NDF: 13.1/22

All: -153.748+/-155.242 χ^2/NDF: 34.7/46

- sign 69.294+/-219.789 χ^2/NDF: 19.6/23

dit_asym_us_dd_rms vs Slug



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

Left Out: 780.488+/-0.238 χ^2/NDF:866.0/6

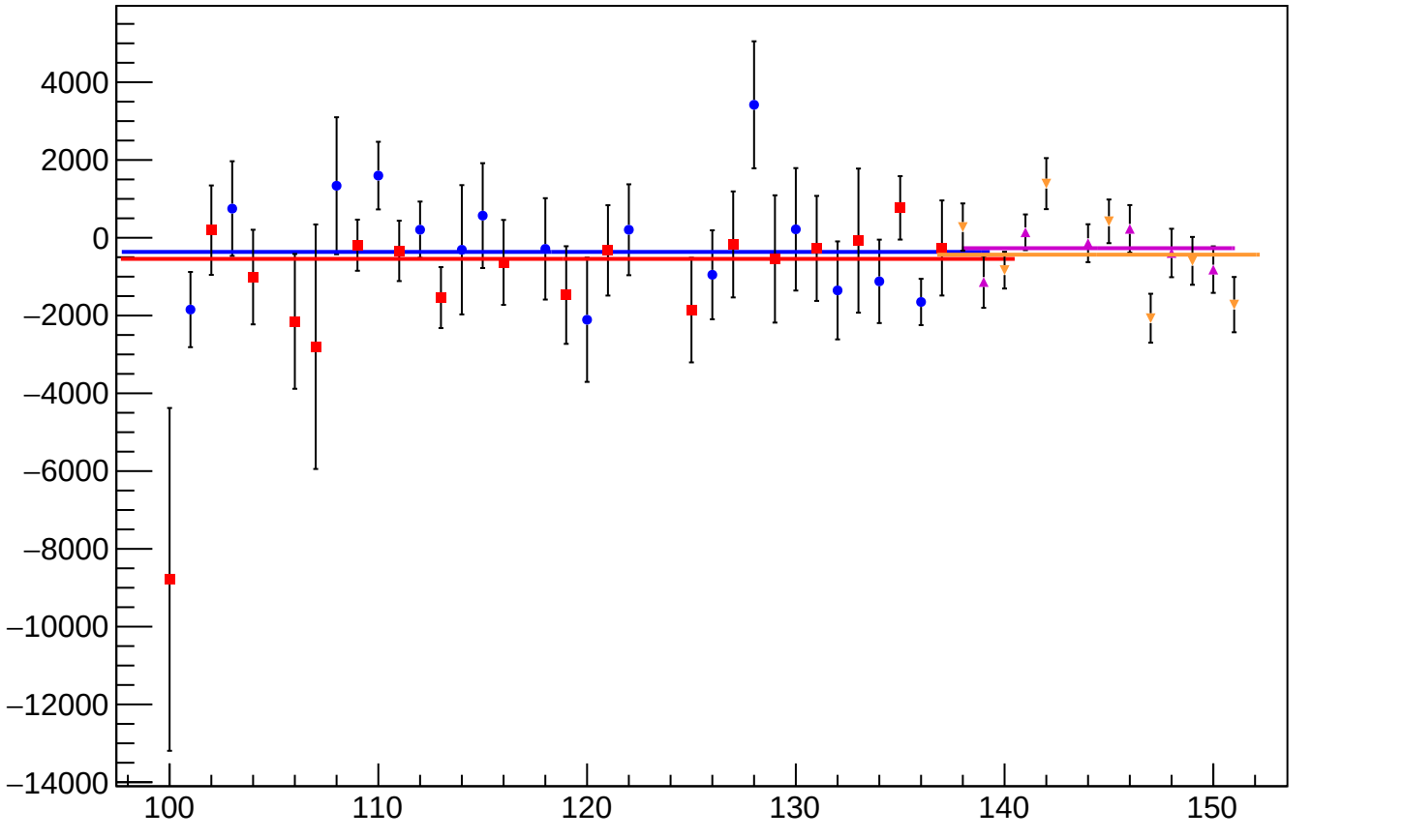
Right Out: 782.575+/-0.204 χ^2/NDF: 7481.4/17

Left In: 779.568+/-0.240 χ^2/NDF:984.4/5

+ sign 779.320+/-0.155 χ^2/NDF: 12703.2/22

All: 780.315+/-0.110 χ^2/NDF: 21342.7/46

- sign 781.315+/-0.155 χ^2/NDF: 8557.0/23



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

Left Out: -434.390+/-224.643 χ^2/NDF:22.2/6

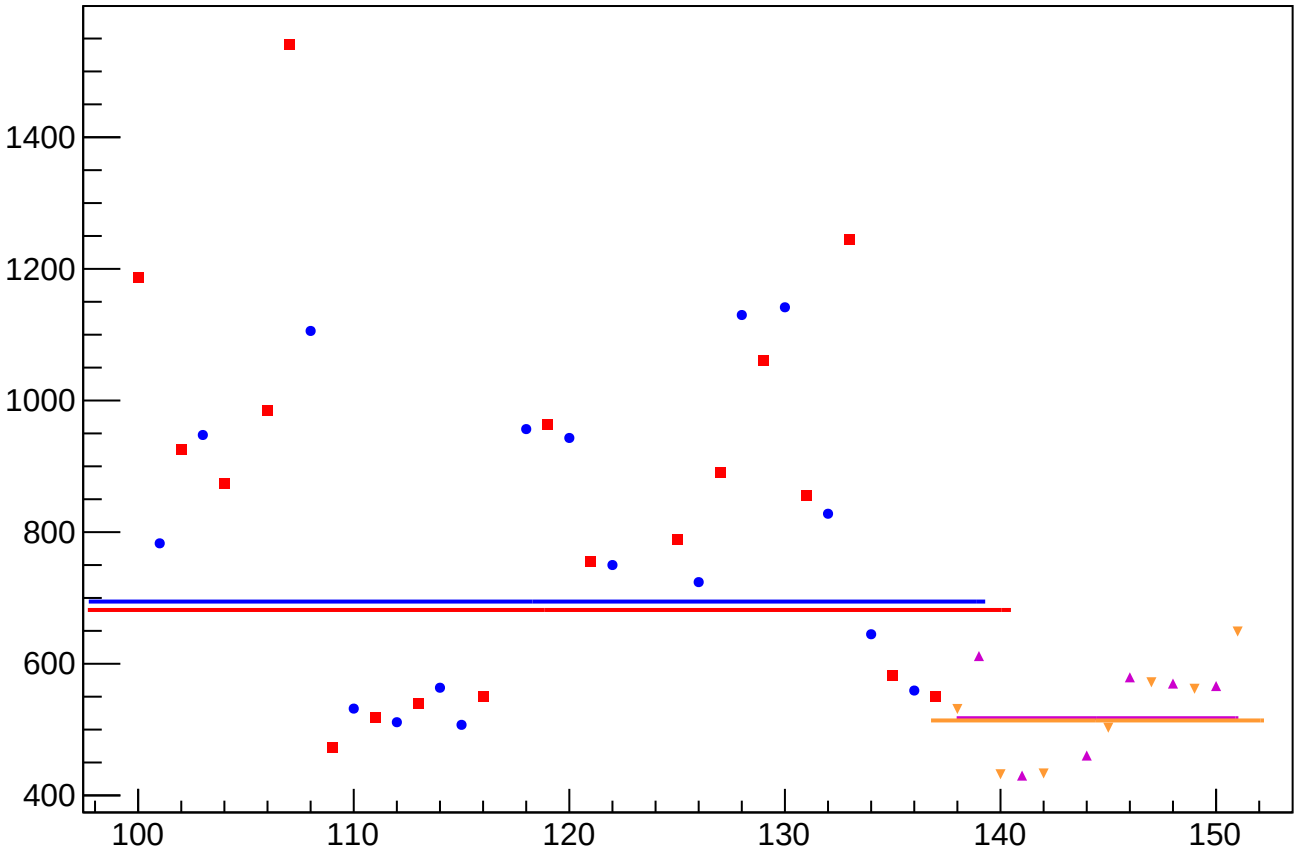
Right Out: -542.879+/-265.273 χ^2/NDF: 11.8/17

Left In: -268.427+/-227.835 χ^2/NDF:4.1/5

+ sign -405.500+/-172.508 χ^2/NDF: 45.6/22

All: -395.237+/-122.098 χ^2/NDF: 62.1/46

- sign -384.935+/-172.838 χ^2/NDF: 16.5/23



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

Left Out: 513.877+/-0.159 χ^2/NDF:193805.7/6

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

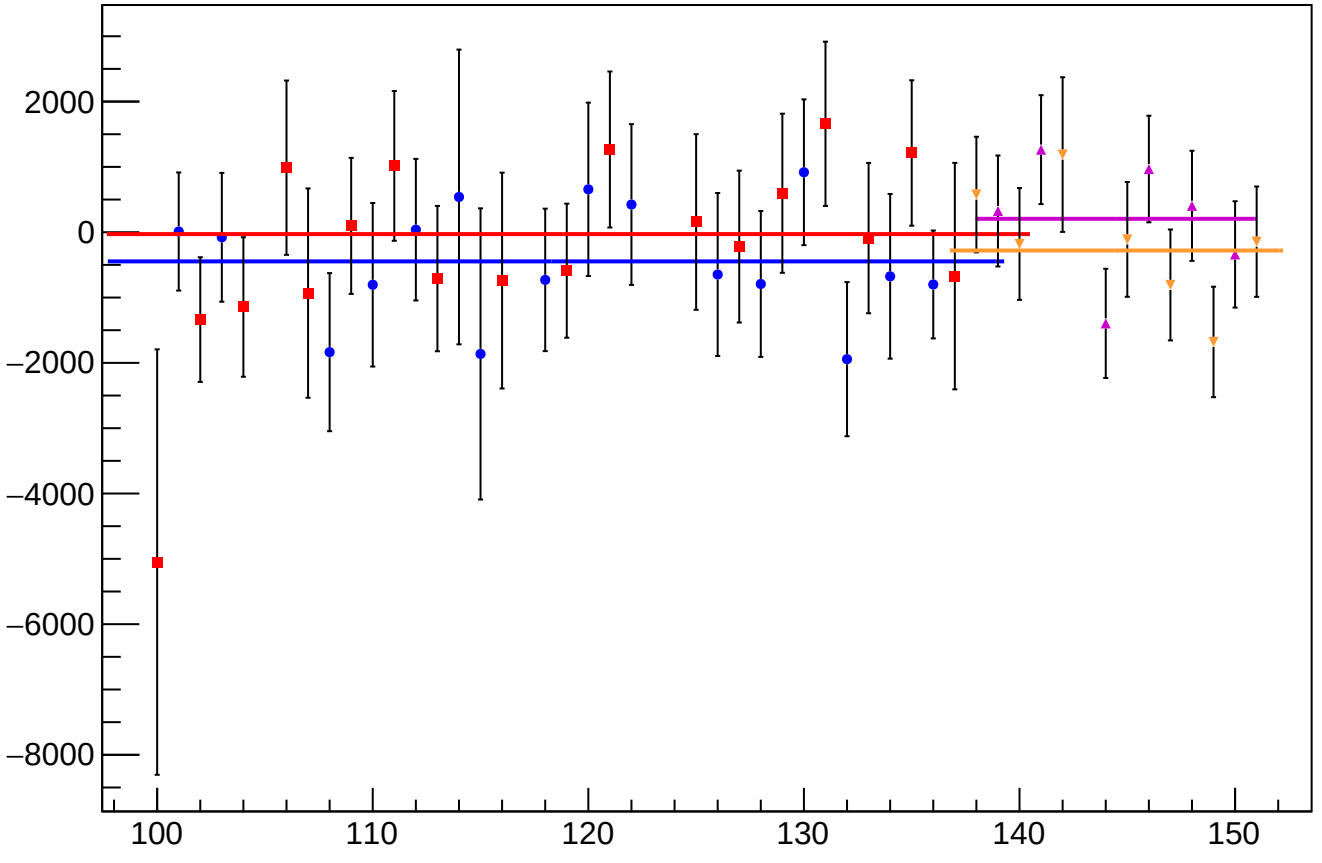
Left In: 517.283+/-0.161 χ^2/NDF:187861.6/5

+ sign 587.995+/-0.122 χ^2/NDF: 1754325.2/22

All: 587.548+/-0.086 χ^2/NDF: 3695923.5/46

- sign 587.099+/-0.122 χ^2/NDF: 1941571.4/23

eigen_dit_asym_us_dd_mean vs Slug



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

Left Out: -279.991+/-336.344 χ^2/NDF:5.7/6

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

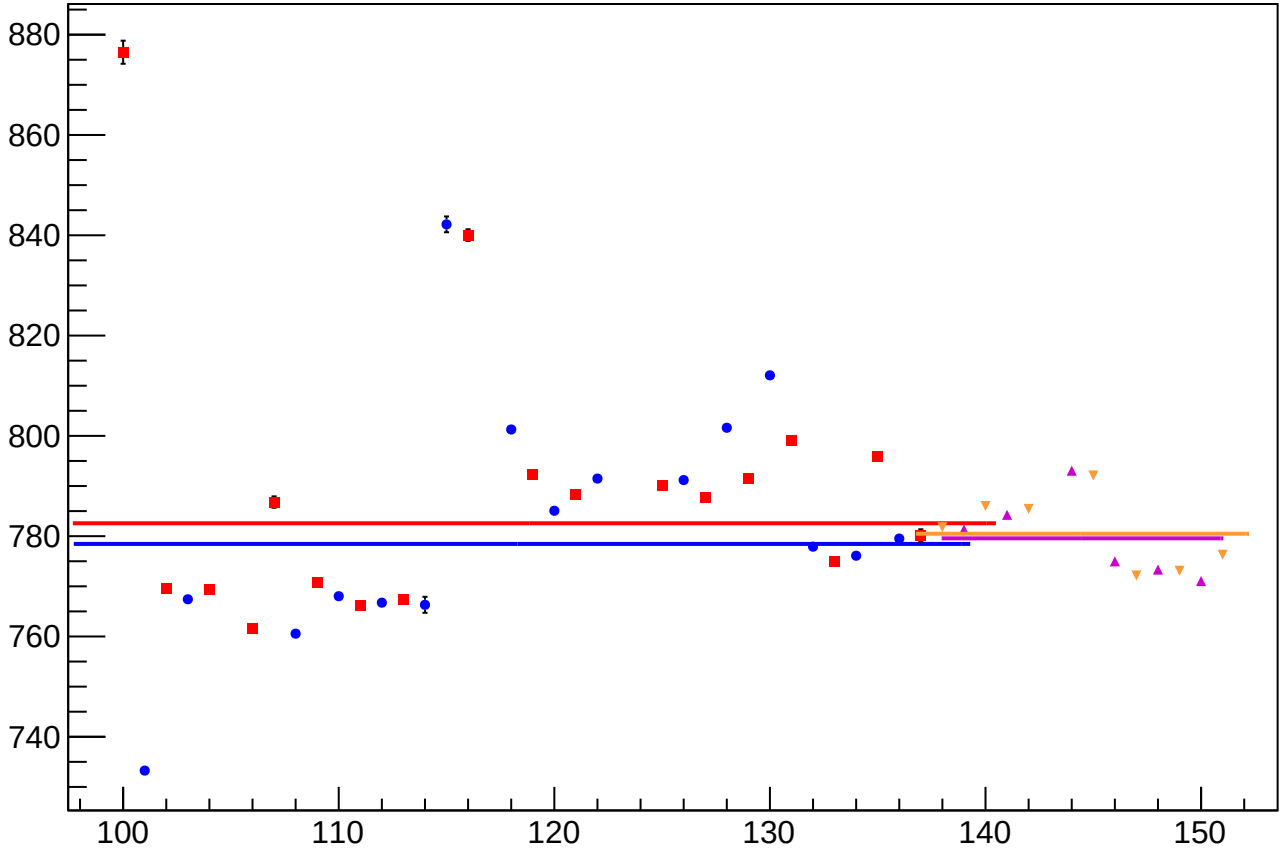
Left In: 205.244+/-339.509 χ^2/NDF:6.7/5

+ sign -375.804+/-219.302 χ^2/NDF: 13.1/22

All: -153.749+/-155.242 χ^2/NDF: 34.7/46

- sign 69.295+/-219.789 χ^2/NDF: 19.6/23

eigen_dit_asym_us_dd_rms vs Slug



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

Left Out: 780.488+/-0.238 χ^2/NDF:866.0/6

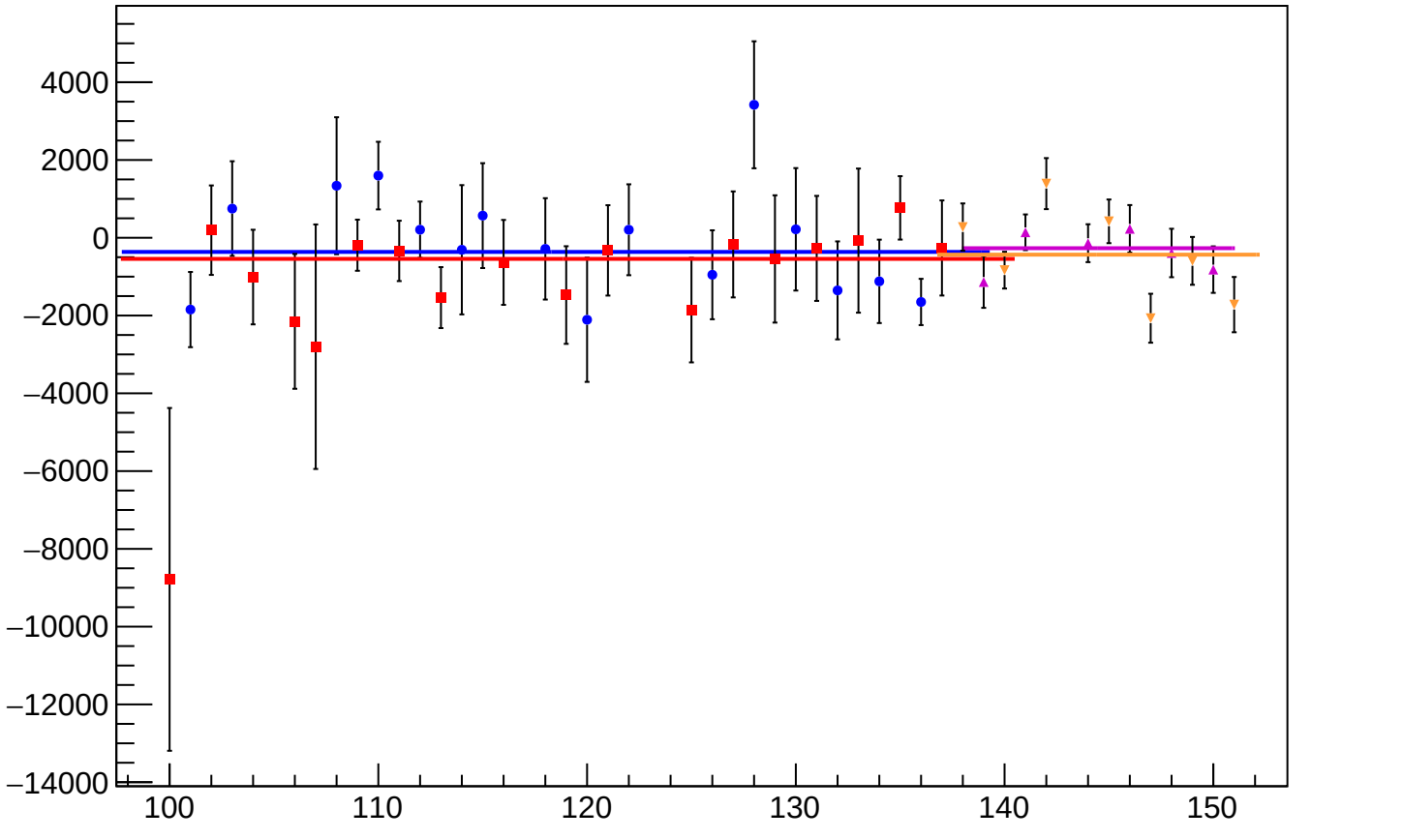
Right Out: 782.575+/-0.204 χ^2/NDF: 7481.4/17

Left In: 779.568+/-0.240 χ^2/NDF:984.4/5

+ sign 779.320+/-0.155 χ^2/NDF: 12703.1/22

All: 780.315+/-0.110 χ^2/NDF: 21342.7/46

- sign 781.315+/-0.155 χ^2/NDF: 8557.0/23



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

Left Out: -434.391+/-224.643 χ^2/NDF:22.2/6

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

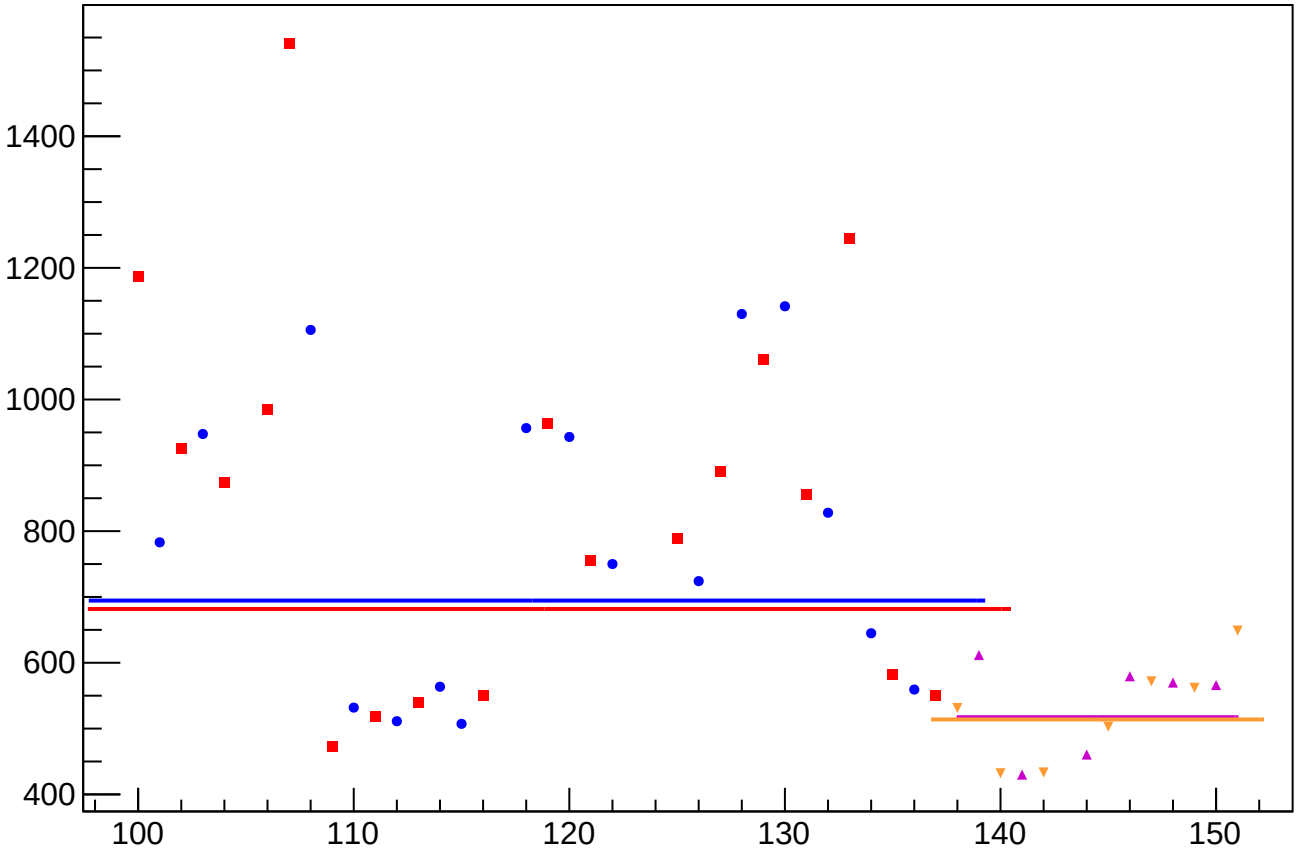
Left In: -268.425+/-227.835 χ^2/NDF:4.1/5

+ sign -405.498+/-172.508 χ^2/NDF: 45.6/22

All: -395.236+/-122.098 χ^2/NDF: 62.1/46

- sign -384.934+/-172.837 χ^2/NDF: 16.5/23

asym_us_dd_eigen_dit_correction_rms vs Slug



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

Left Out: 513.877+/-0.159 χ^2/NDF:193814.4/6

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

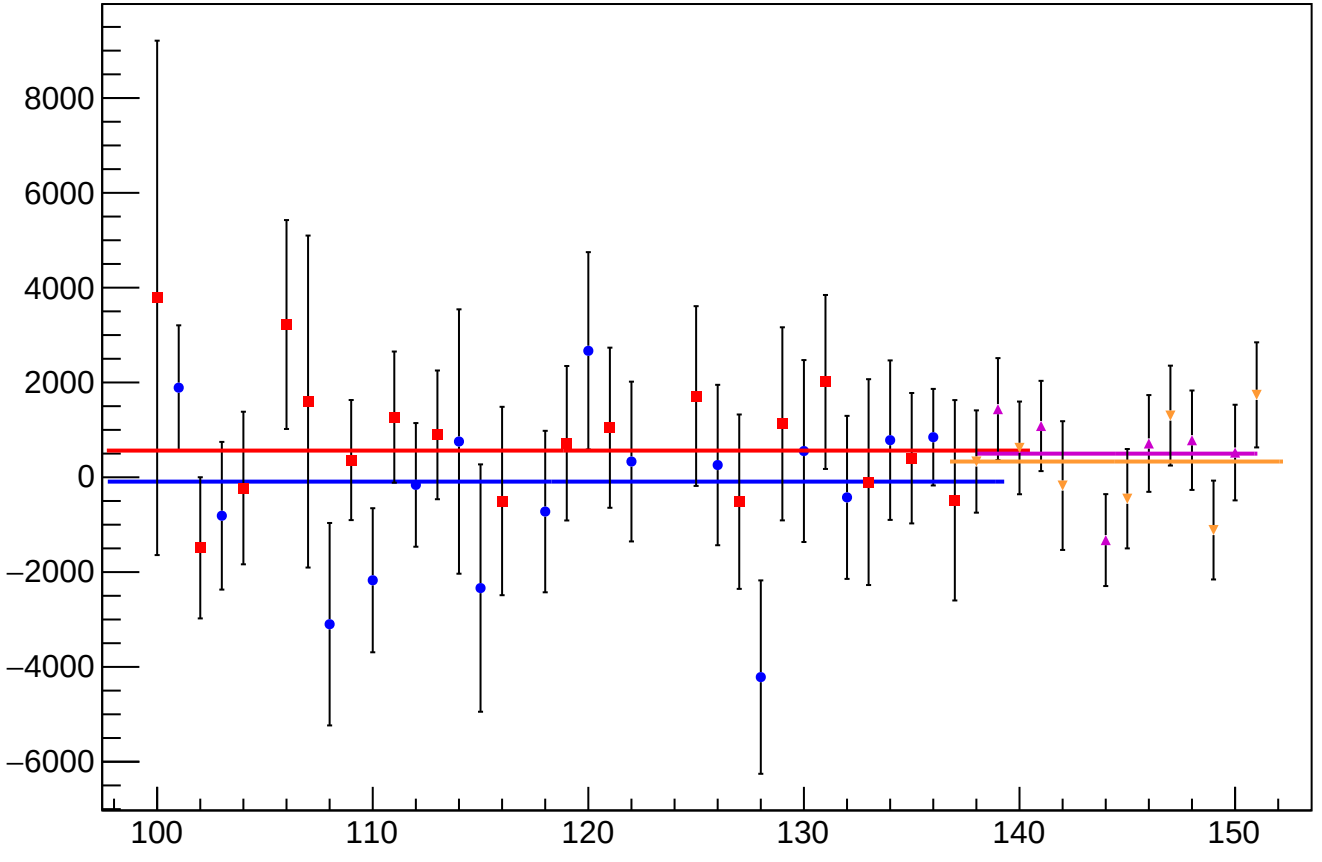
Left In: 517.283+/-0.161 χ^2/NDF:187870.2/5

+ sign 587.994+/-0.122 χ^2/NDF: 1754329.6/22

All: 587.546+/-0.086 χ^2/NDF: 3695941.9/46

- sign 587.097+/-0.122 χ^2/NDF: 1941585.4/23

asym_us_dd_mean vs Slug



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

Left Out: 332.328+/-408.505 χ^2/NDF:5.2/6

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

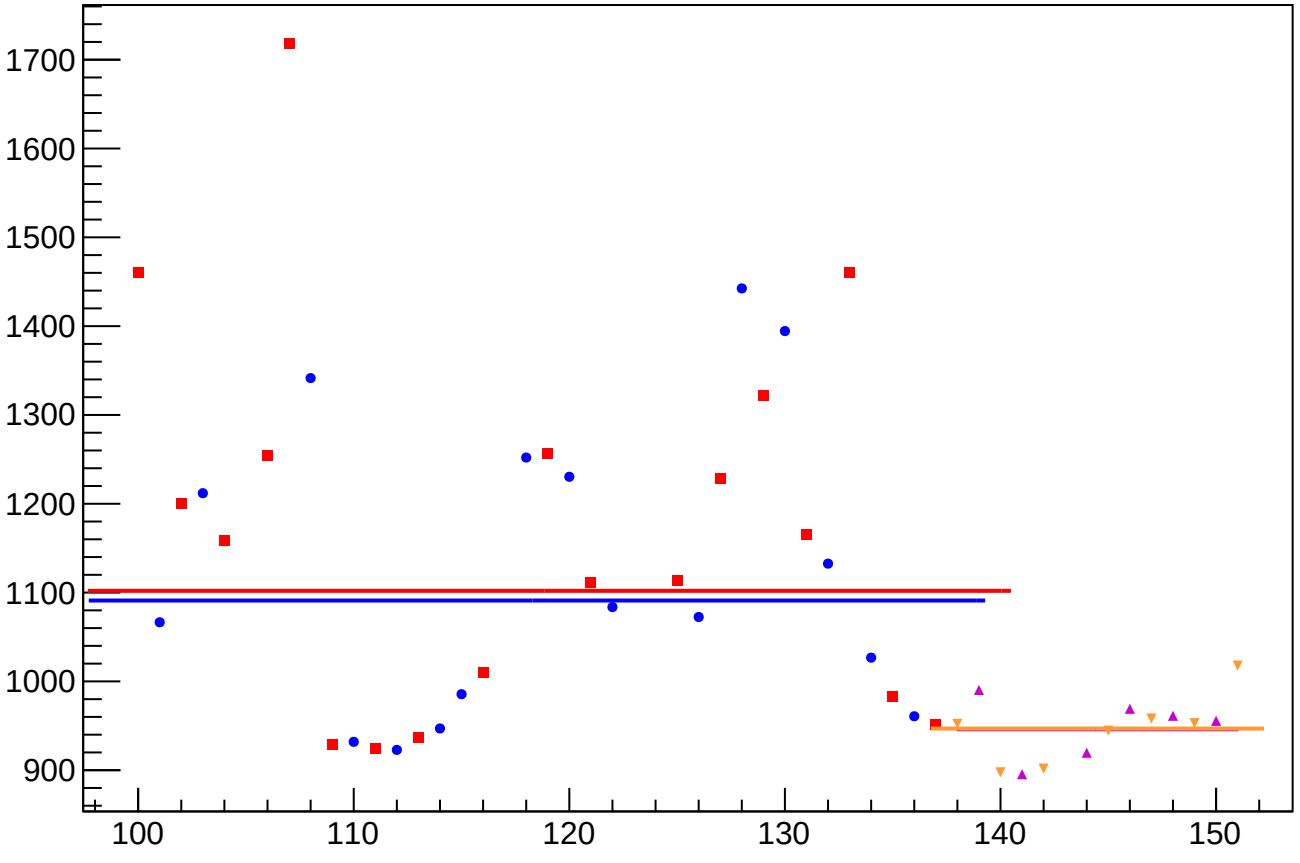
Left In: 498.688+/-412.306 χ^2/NDF:4.8/5

+ sign 121.263+/-289.368 χ^2/NDF: 20.2/22

All: 324.805+/-205.288 χ^2/NDF: 32.6/46

- sign 531.048+/-291.282 χ^2/NDF: 11.3/23

asym_us_dd_rms vs Slug



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

Left Out: 946.870+/-0.289 χ^2/NDF:15821.2/6

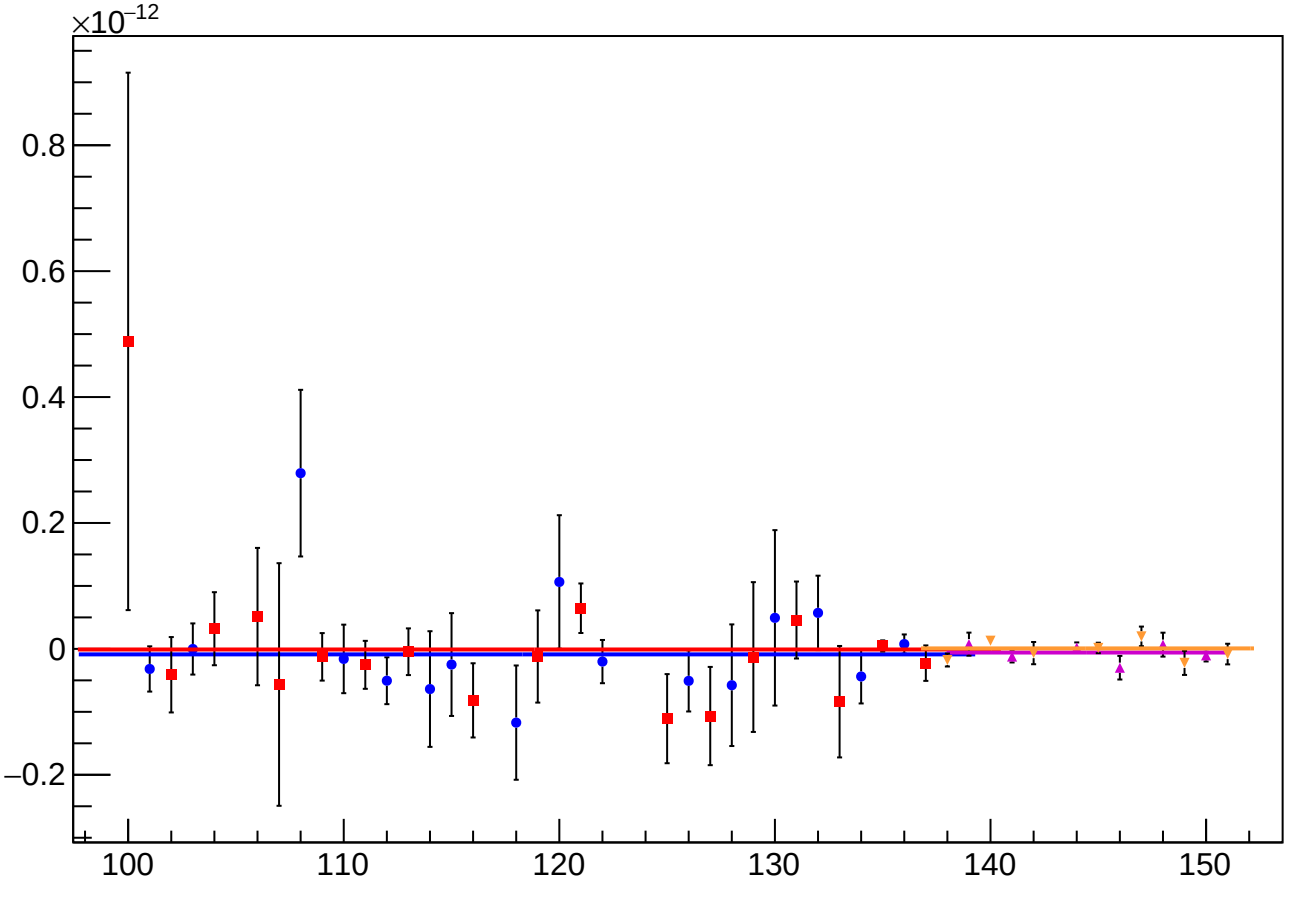
Right Out: 1101.953+/-0.291 χ^2/NDF: 328107.6/17

Left In: 946.025+/-0.292 χ^2/NDF:12140.2/5

+ sign 1018.700+/-0.205 χ^2/NDF: 417239.3/22

All: 1021.397+/-0.145 χ^2/NDF: 901117.6/46

- sign 1024.129+/-0.206 χ^2/NDF: 483528.5/23



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

Left Out: 0.000+/-0.000 χ^2/NDF:9.1/6

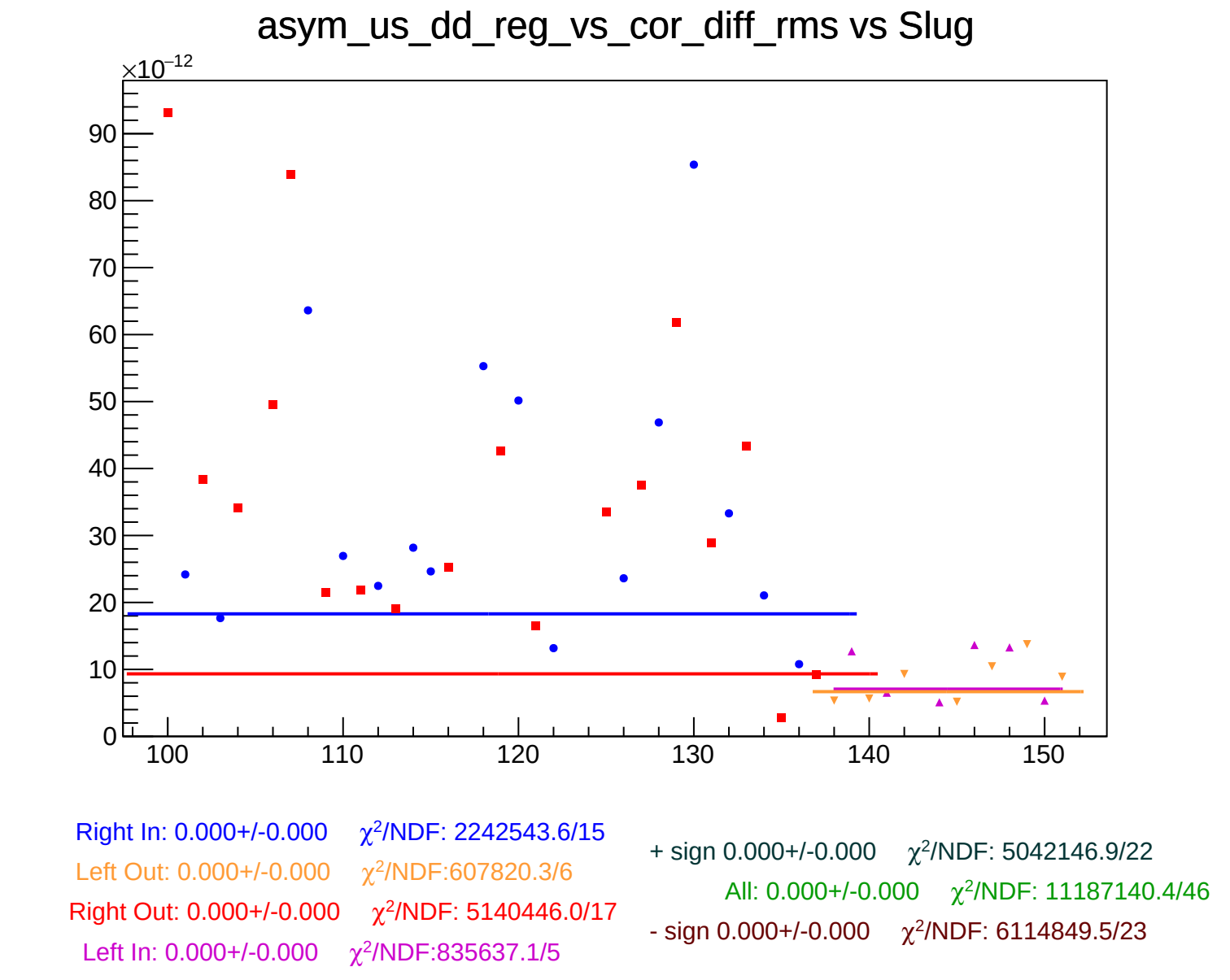
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/17

Left In: -0.000+/-0.000 χ^2/NDF:4.2/5

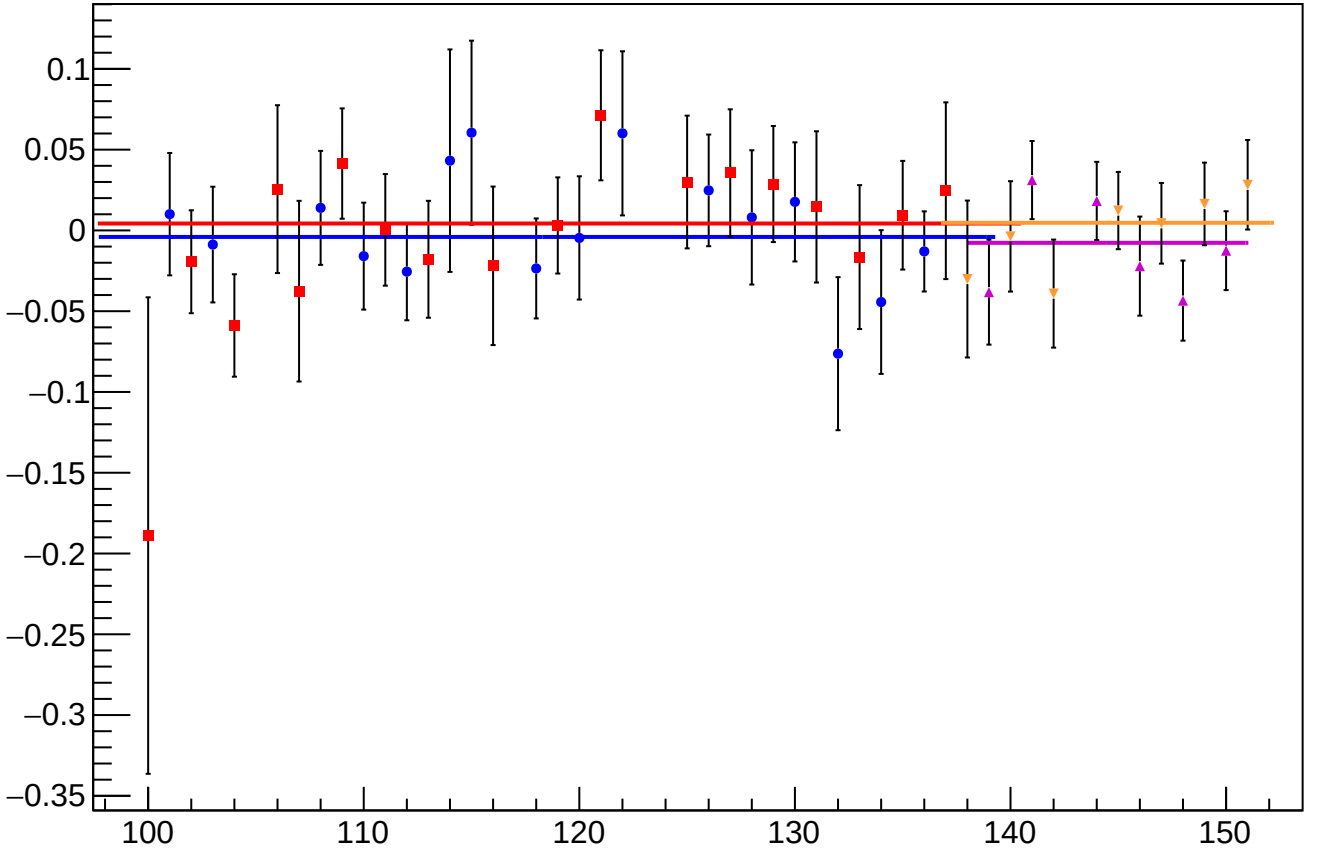
\+ sign -0.000+/-0.000 χ^2/NDF: 23.7/22

All: -0.000+/-0.000 χ^2/NDF: 43.0/46

\- sign -0.000+/-0.000 χ^2/NDF: 18.8/23


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
Right In: 0.000+/-0.000 χ²/NDF: 2242543.6/15
Left Out: 0.000+/-0.000 χ²/NDF:607820.3/6
Right Out: 0.000+/-0.000 χ²/NDF: 5140446.0/17
Left In: 0.000+/-0.000 χ²/NDF:835637.1/5
+ sign 0.000+/-0.000 χ²/NDF: 5042146.9/22
All: 0.000+/-0.000 χ²/NDF: 11187140.4/46
- sign 0.000+/-0.000 χ²/NDF: 6114849.5/23

asym_us_dd_dit_vs_cor_diff_mean vs Slug



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

Left Out: 0.005+/-0.011 χ^2/NDF:3.3/6

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

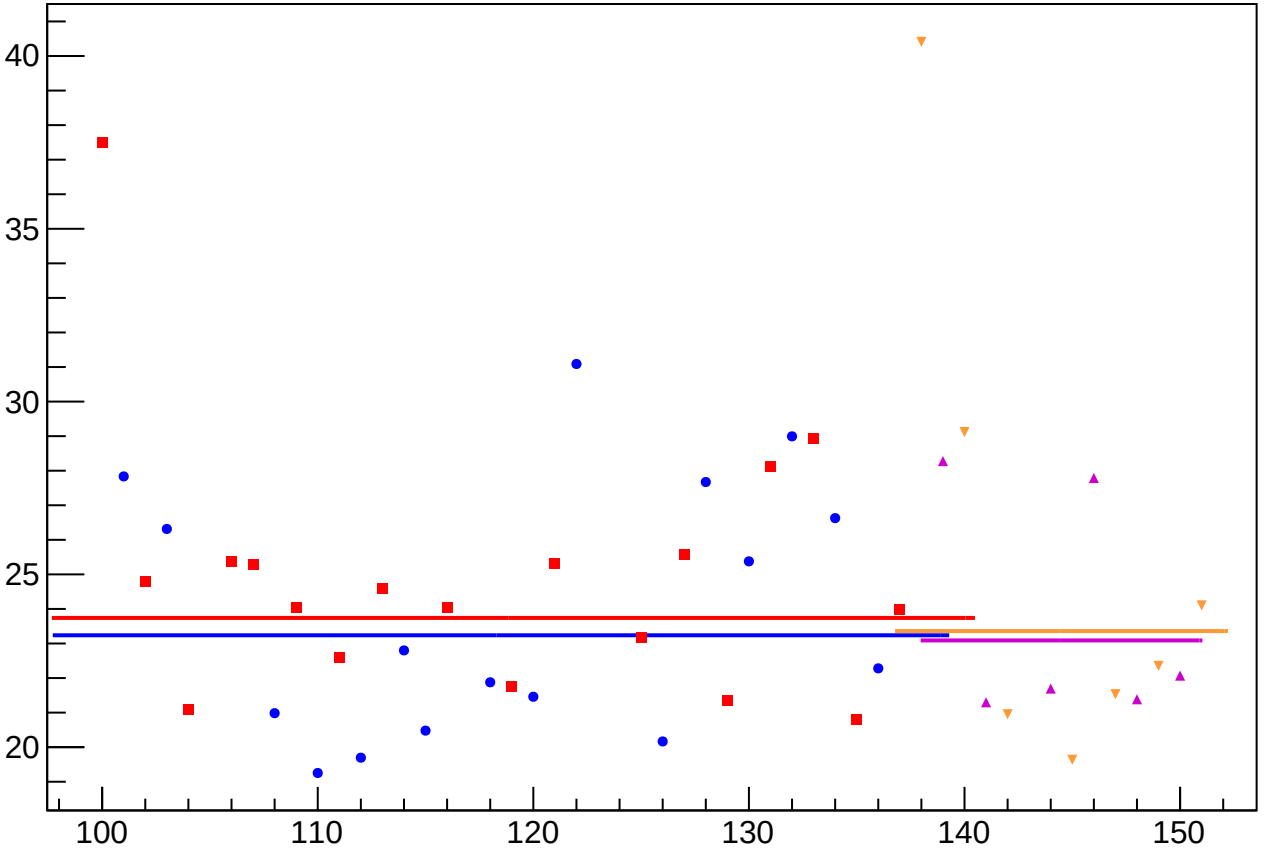
Left In: -0.008+/-0.011 χ^2/NDF:7.0/5

+ sign -0.000+/-0.007 χ^2/NDF: 12.9/22

All: -0.001+/-0.005 χ^2/NDF: 34.1/46

- sign -0.001+/-0.007 χ^2/NDF: 21.2/23

asym_us_dd_dit_vs_cor_diff_rms vs Slug



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

Left Out: 23.359+/-0.008 χ^2/NDF:377450.5/6

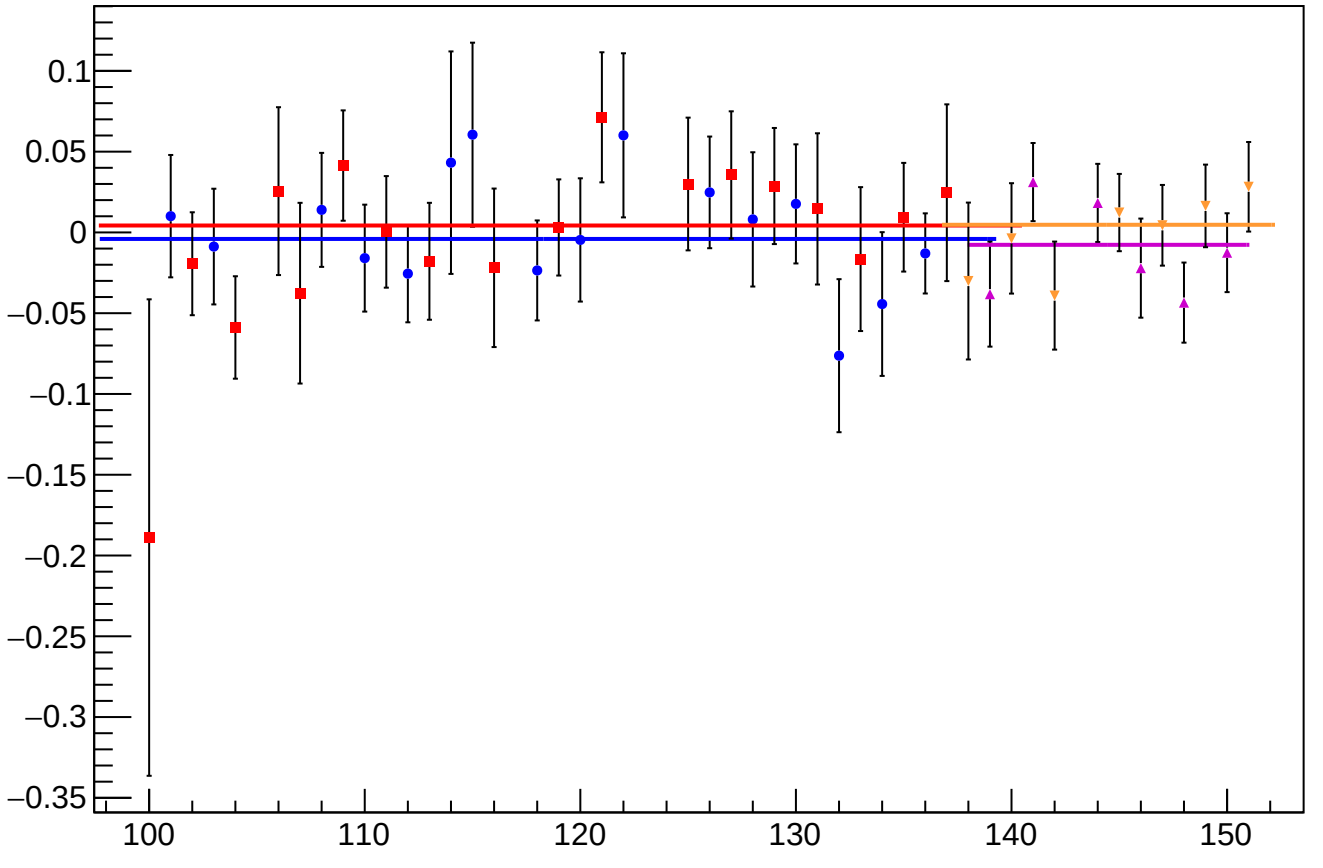
Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

Left In: 23.089+/-0.008 χ^2/NDF:128500.2/5

+ sign 23.289+/-0.005 χ^2/NDF: 636829.3/22

All: 23.375+/-0.004 χ^2/NDF: 896316.2/46

- sign 23.459+/-0.005 χ^2/NDF: 258898.7/23



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

Left Out: 0.005+/-0.011 χ^2/NDF:3.3/6

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

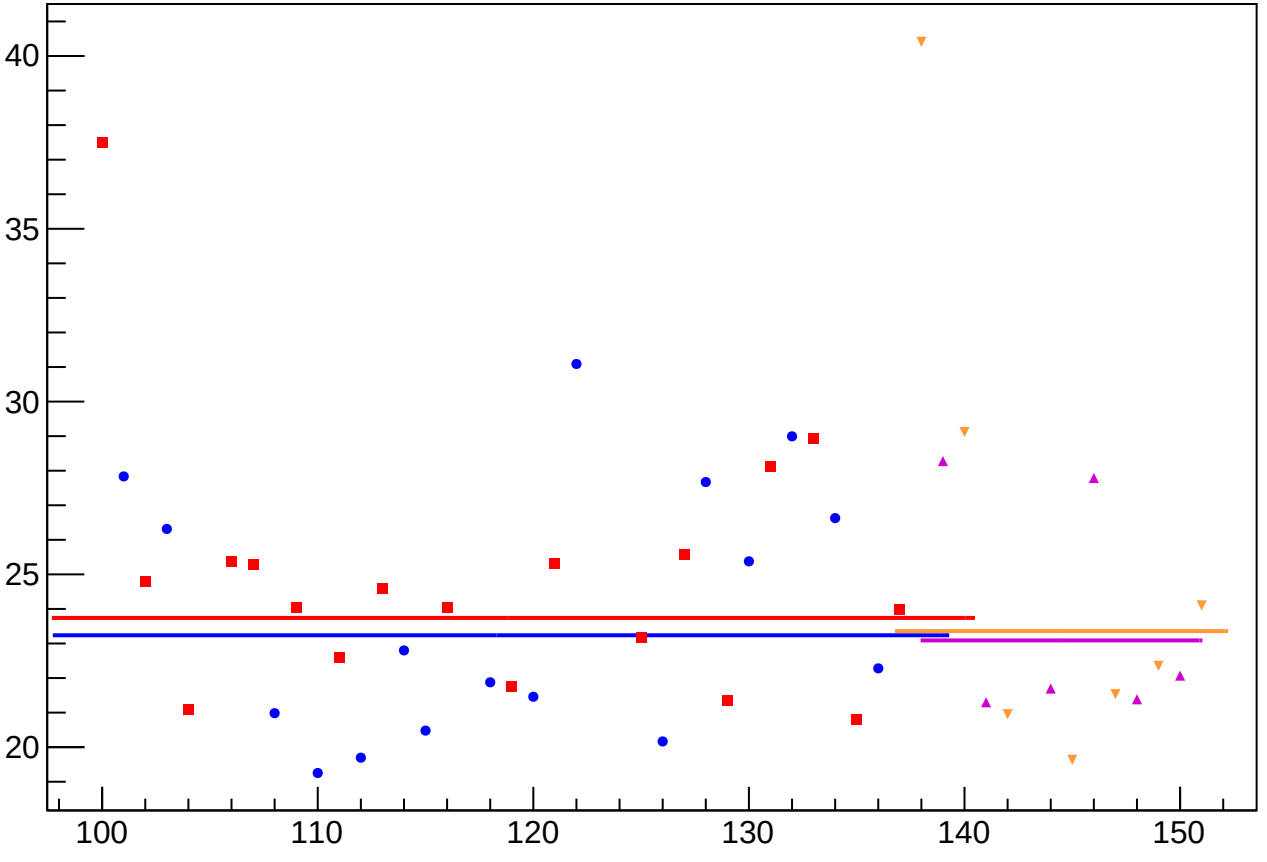
Left In: -0.008+/-0.011 χ^2/NDF:7.0/5

+ sign -0.000+/-0.007 χ^2/NDF: 12.9/22

All: -0.001+/-0.005 χ^2/NDF: 34.1/46

- sign -0.001+/-0.007 χ^2/NDF: 21.2/23

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: 23.359+/-0.008 χ^2/NDF:377450.5/6

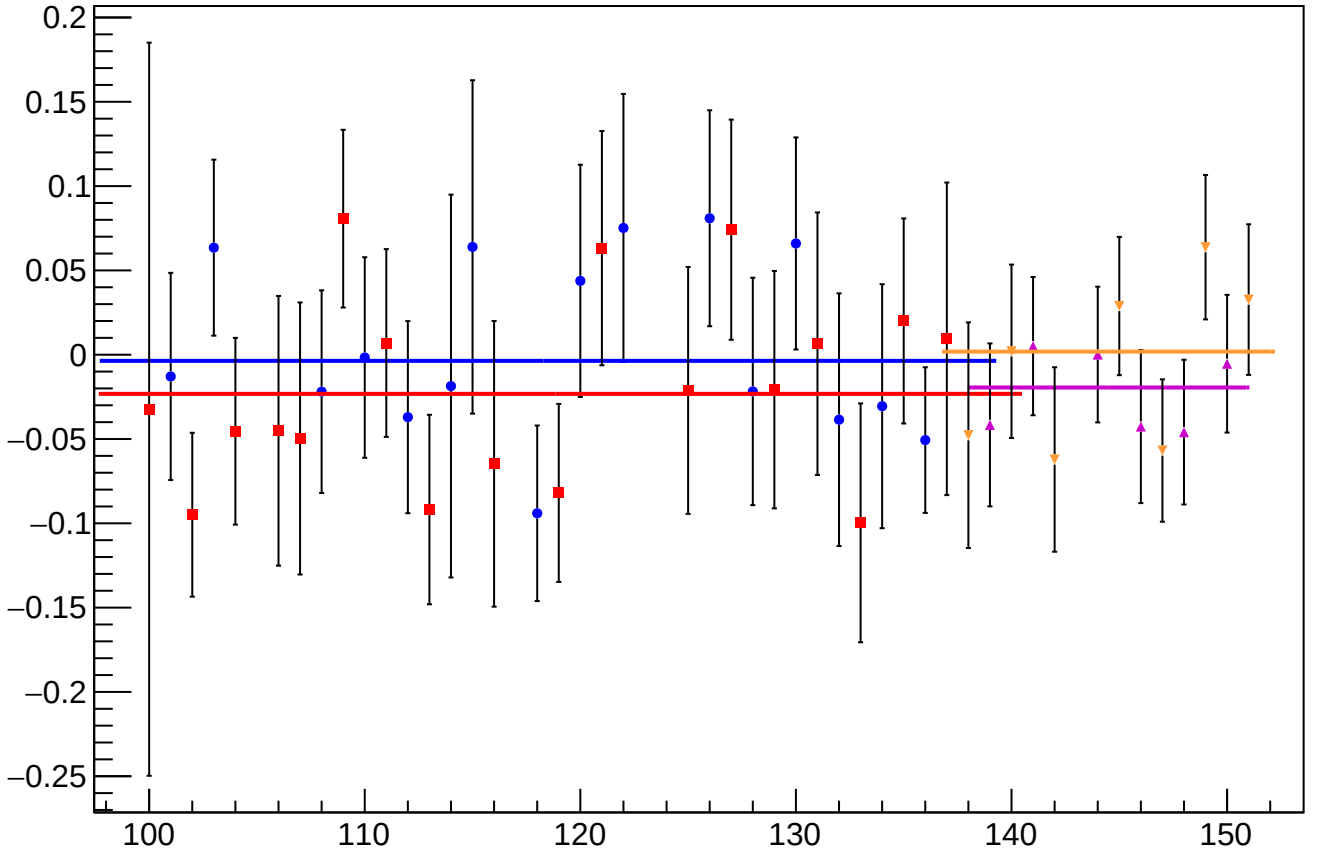
Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

Left In: 23.089+/-0.008 χ^2/NDF:128500.2/5

+ sign 23.289+/-0.005 χ^2/NDF: 636829.3/22

All: 23.375+/-0.004 χ^2/NDF: 896316.2/46

- sign 23.459+/-0.005 χ^2/NDF: 258898.7/23



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

Left Out: 0.002+/-0.018 χ^2/NDF:6.8/6

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

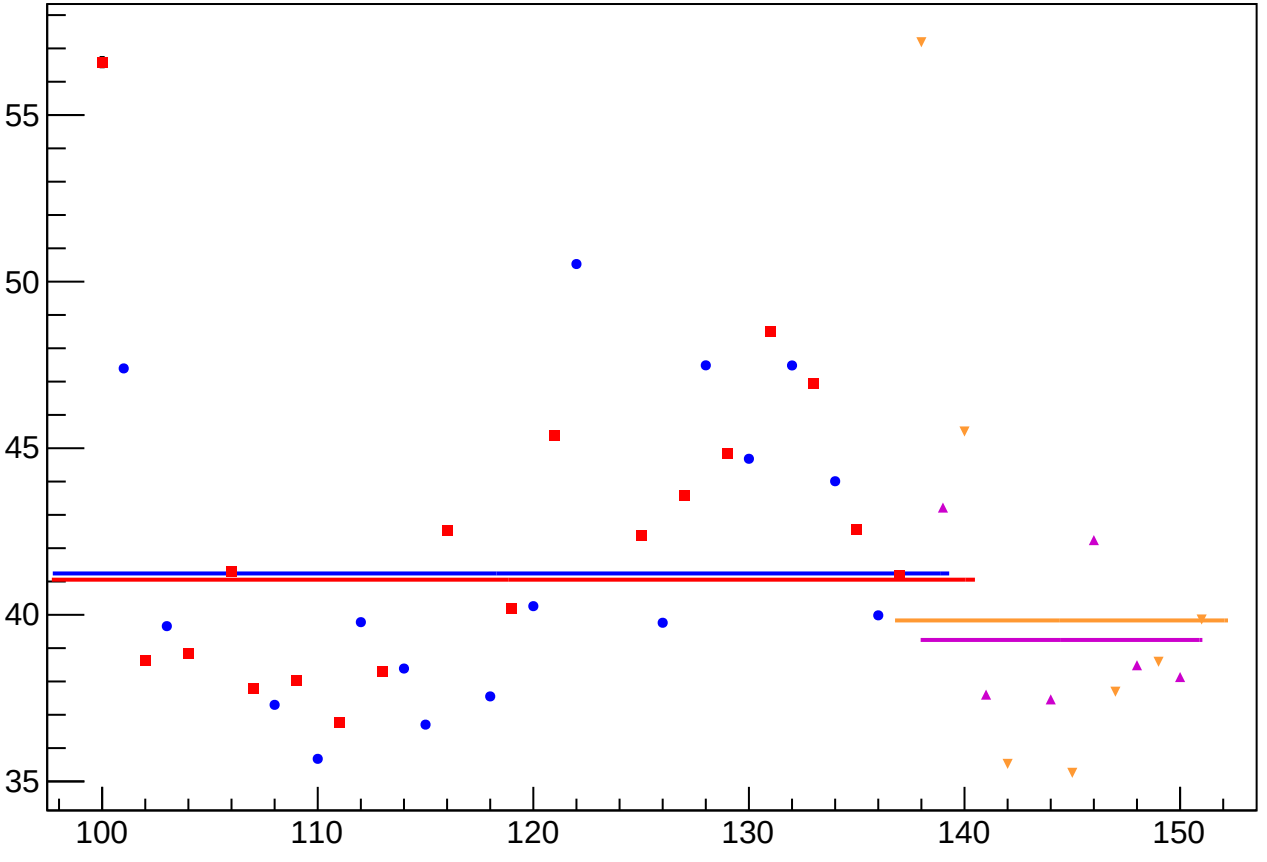
Left In: -0.019+/-0.017 χ^2/NDF:1.6/5

+ sign -0.001+/-0.012 χ^2/NDF: 18.6/22

All: -0.012+/-0.008 χ^2/NDF: 37.0/46

- sign -0.022+/-0.012 χ^2/NDF: 17.0/23

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: 39.831+/-0.013 χ^2/NDF:202957.3/6

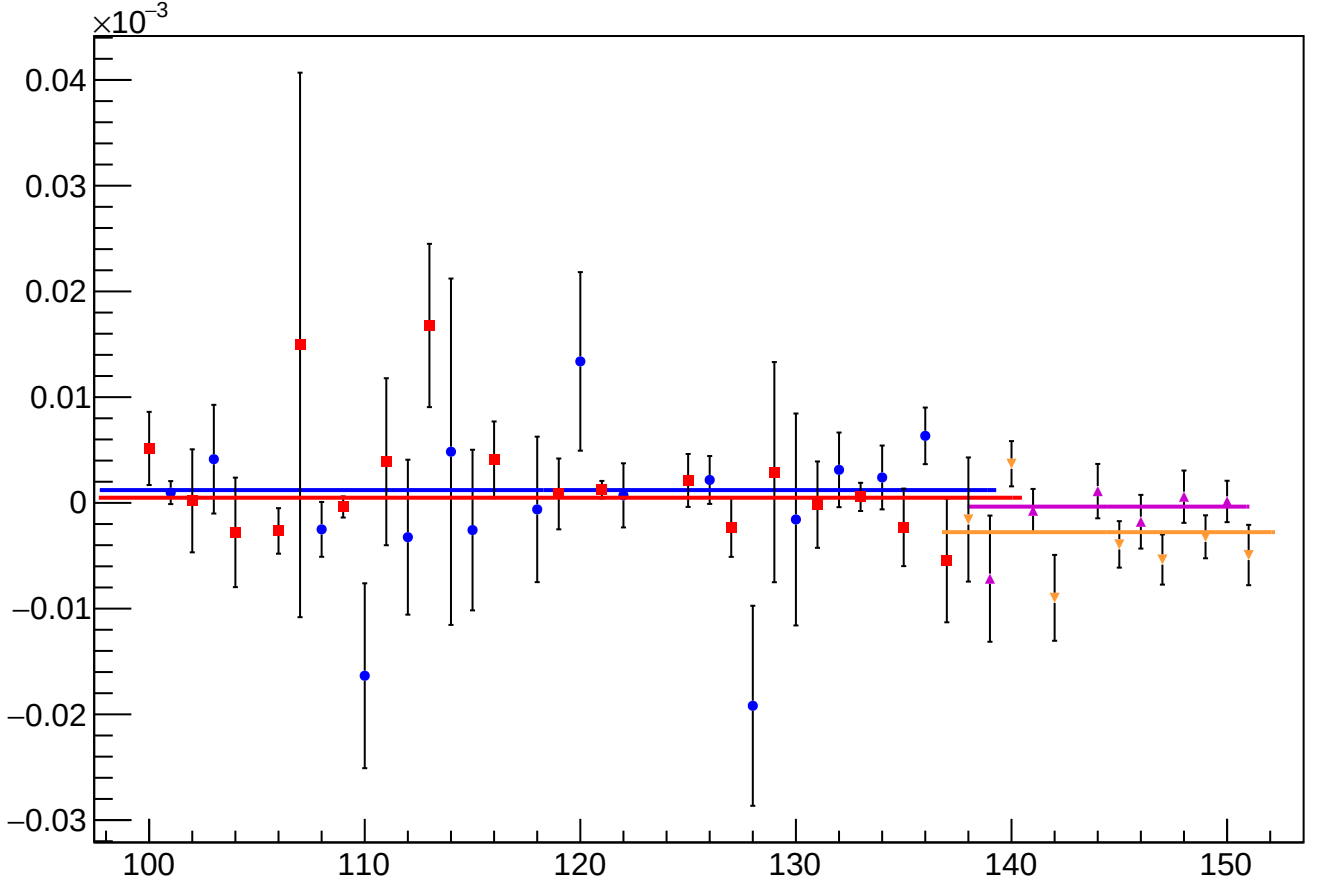
Right Out: 41.055+/-0.011 χ^2/NDF: 96560.6/17

Left In: 39.246+/-0.012 χ^2/NDF:31481.9/5

+ sign 40.625+/-0.008 χ^2/NDF: 345259.8/22

All: 40.439+/-0.006 χ^2/NDF: 486254.3/46

- sign 40.259+/-0.008 χ^2/NDF: 140015.7/23



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

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/6

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

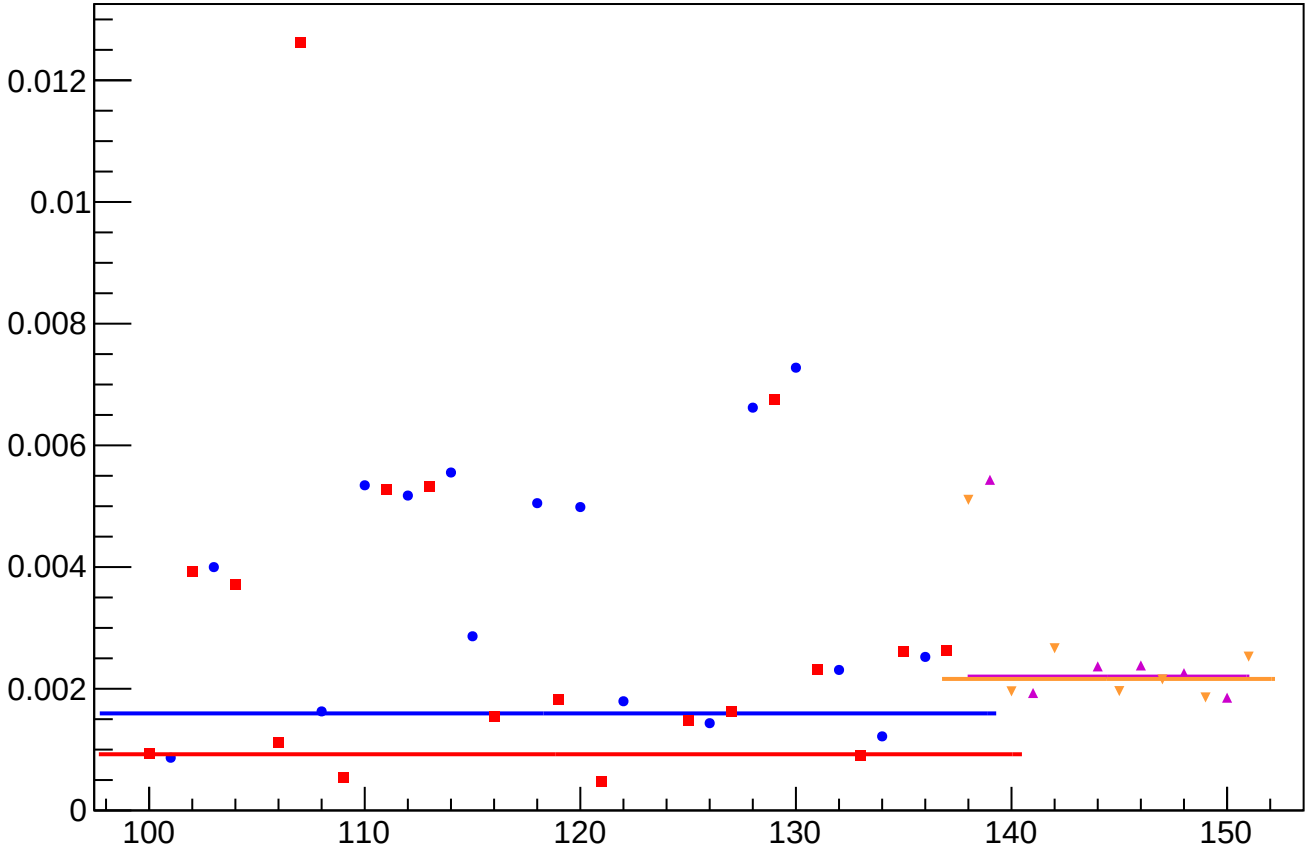
Left In: -0.000+/-0.000 χ^2/NDF:2.2/5

+ sign -0.000+/-0.000 χ^2/NDF: 42.4/22

All: 0.000+/-0.000 χ^2/NDF: 60.8/46

- sign 0.000+/-0.000 χ^2/NDF: 17.7/23

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:646114.4/6

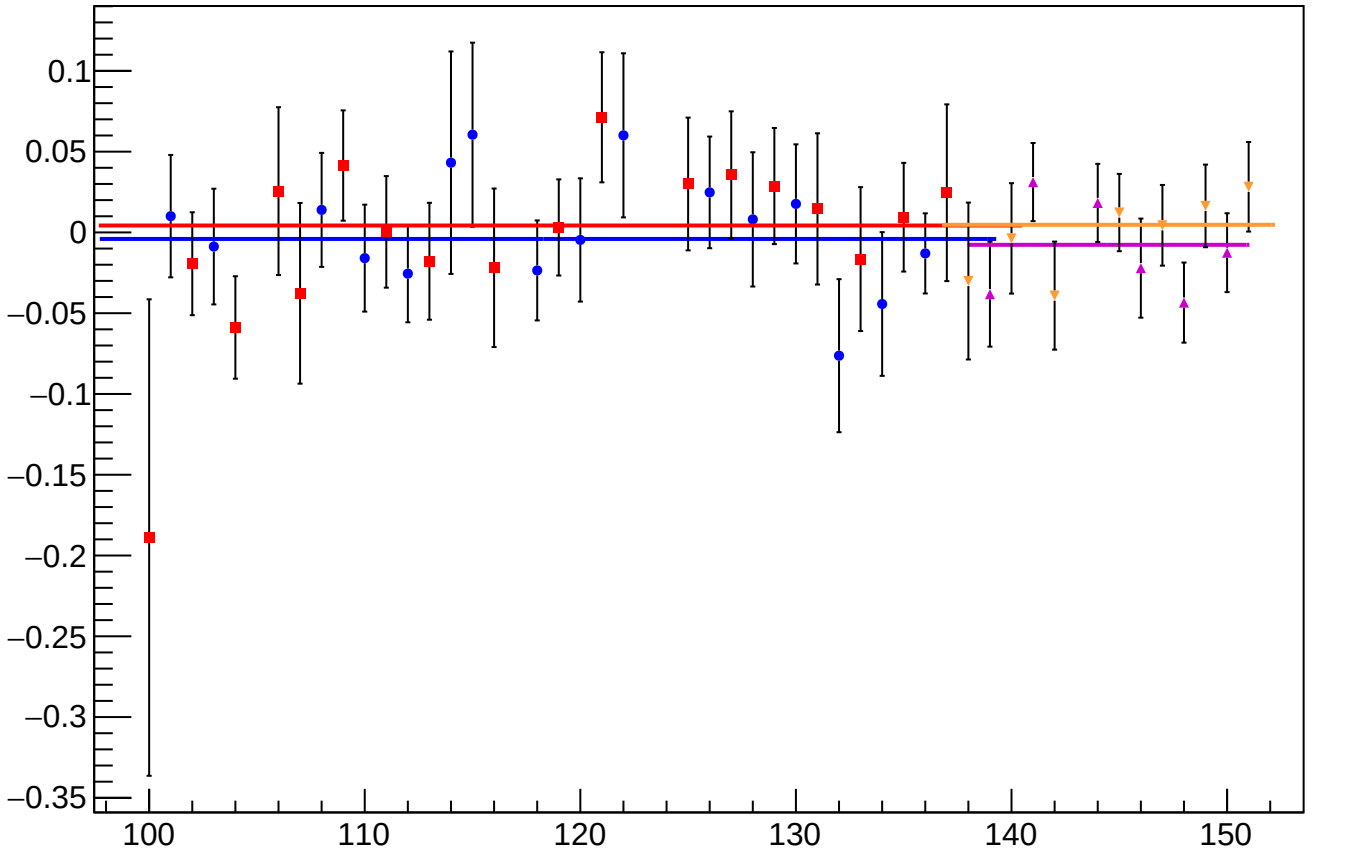
Right Out: 0.001+/-0.000 χ^2/NDF: 5780451.3/17

Left In: 0.002+/-0.000 χ^2/NDF:704403.5/5

+ sign 0.002+/-0.000 χ^2/NDF: 5833771.8/22

All: 0.001+/-0.000 χ^2/NDF: 16364286.7/46

- sign 0.001+/-0.000 χ^2/NDF: 9086359.7/23



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

Left Out: 0.005+/-0.011 χ^2/NDF:3.3/6

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

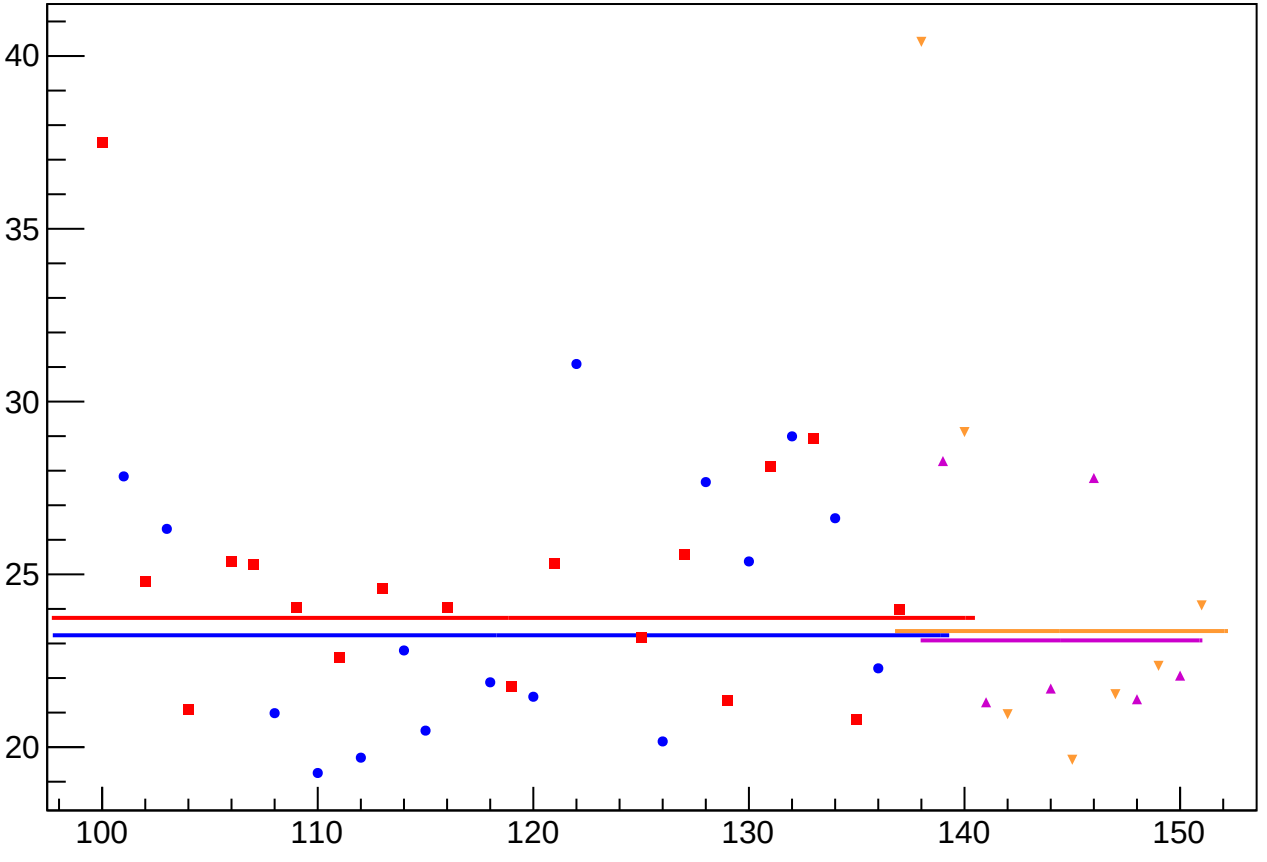
Left In: -0.008+/-0.011 χ^2/NDF:7.0/5

+ sign -0.000+/-0.007 χ^2/NDF: 12.9/22

All: -0.001+/-0.005 χ^2/NDF: 34.1/46

- sign -0.001+/-0.007 χ^2/NDF: 21.2/23

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: 23.359+/-0.008 χ^2/NDF:377444.7/6

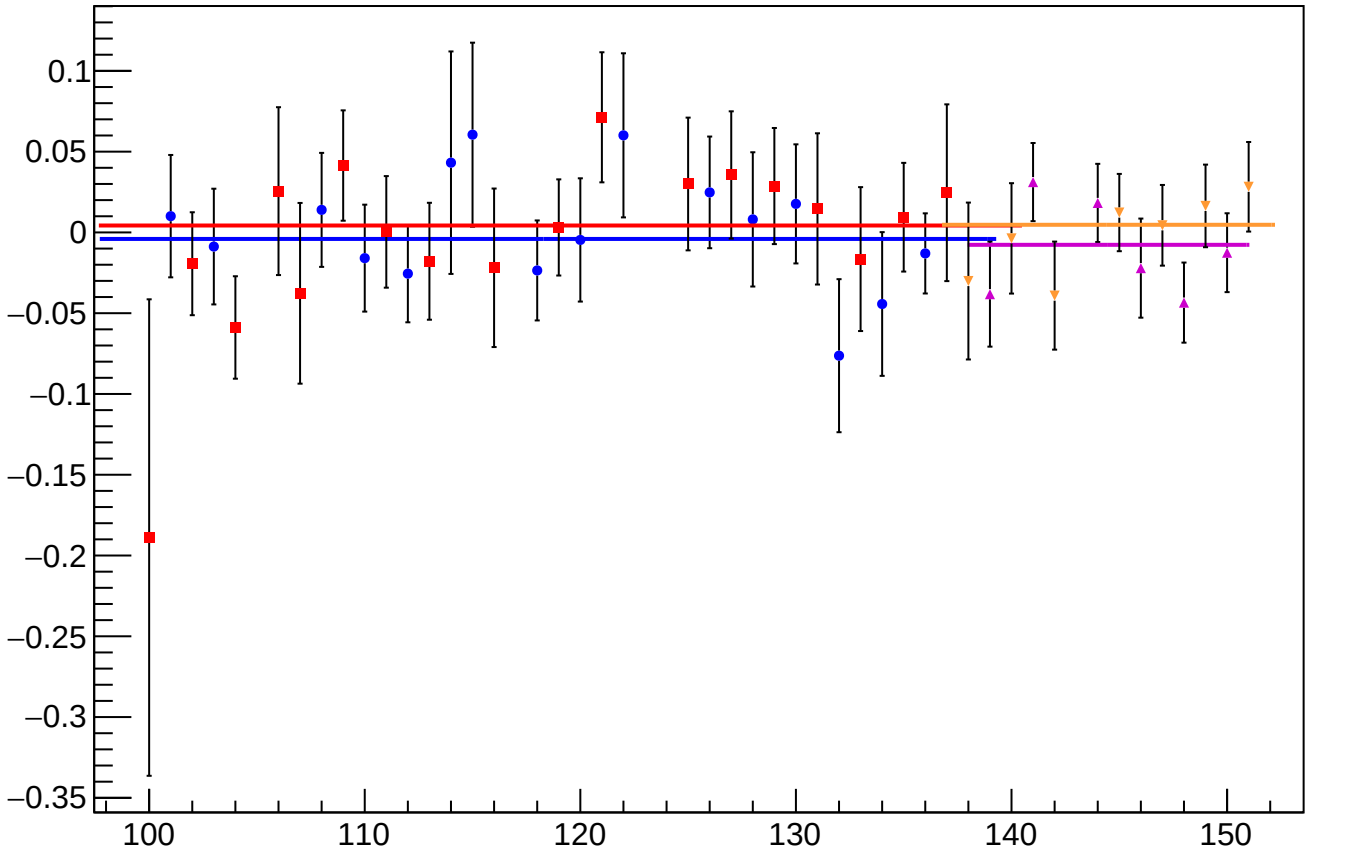
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 23.089+/-0.008 χ^2/NDF:128513.7/5

+ sign 23.288+/-0.005 χ^2/NDF: 636814.1/22

All: 23.374+/-0.004 χ^2/NDF: 896269.4/46

- sign 23.460+/-0.005 χ^2/NDF: 258863.9/23



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

Left Out: 0.005+/-0.011 χ^2/NDF:3.3/6

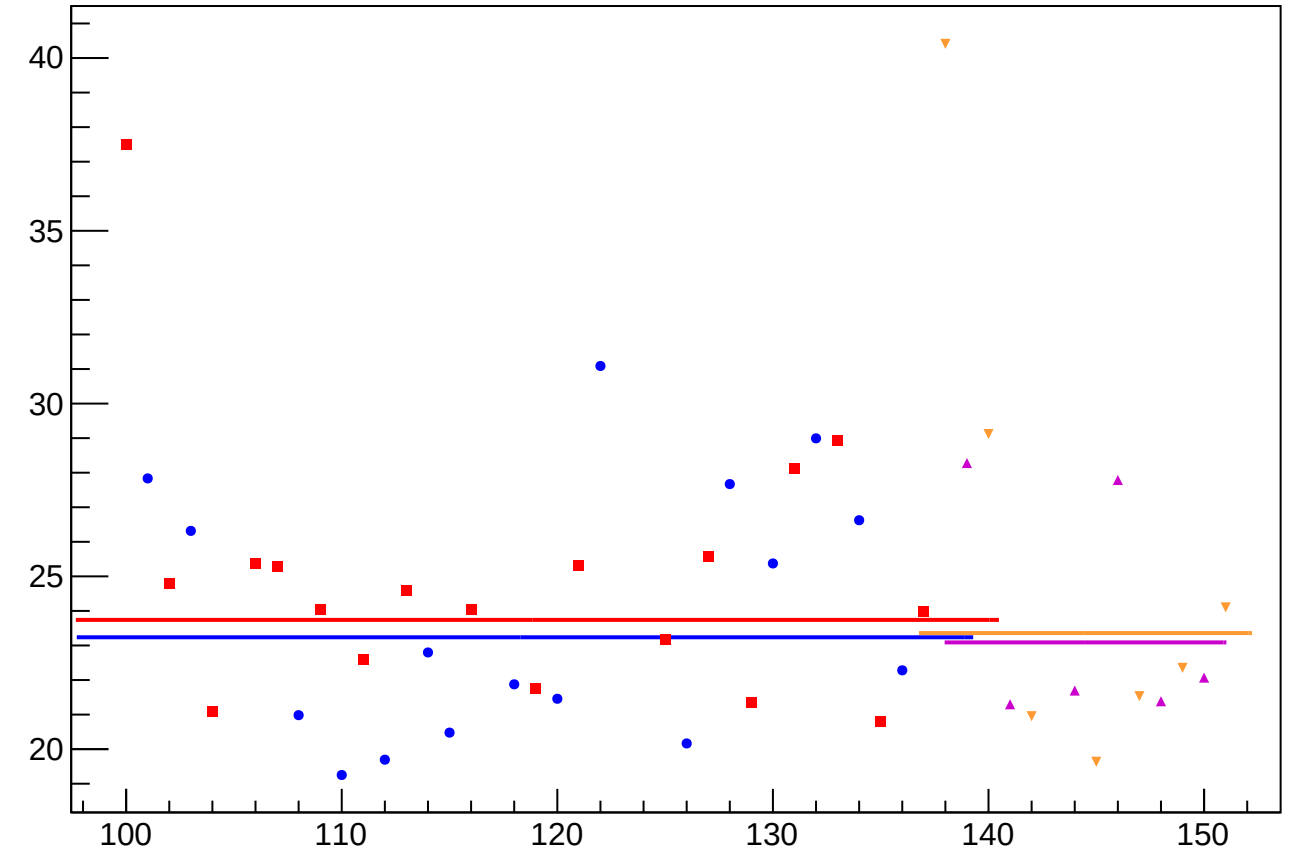
Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

Left In: -0.008+/-0.011 χ^2/NDF:7.0/5

+ sign -0.000+/-0.007 χ^2/NDF: 12.9/22

All: -0.001+/-0.005 χ^2/NDF: 34.1/46

- sign -0.001+/-0.007 χ^2/NDF: 21.2/23



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

Left Out: 23.359+/-0.008 χ^2/NDF:377444.7/6

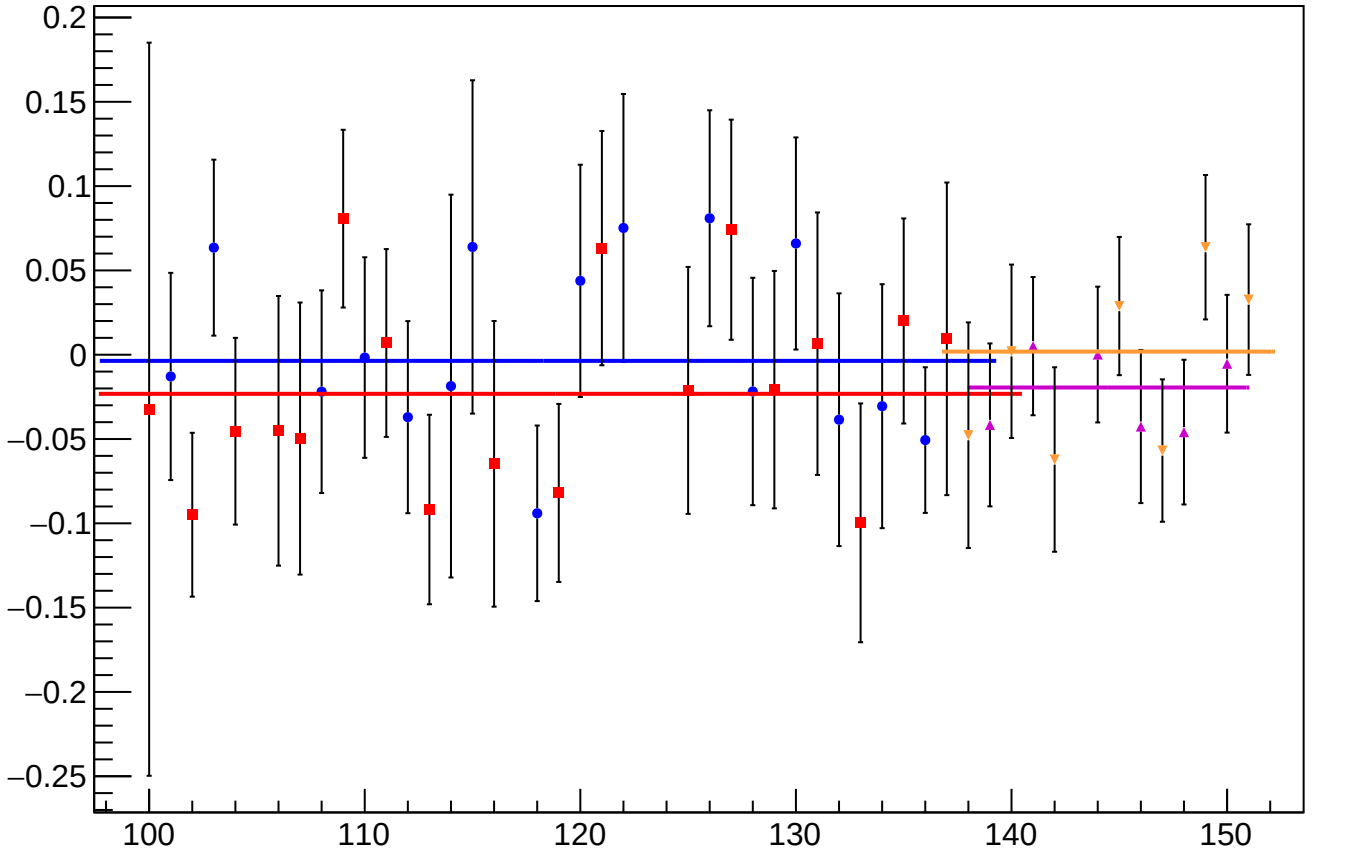
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 23.089+/-0.008 χ^2/NDF:128513.7/5

+ sign 23.288+/-0.005 χ^2/NDF: 636814.1/22

All: 23.374+/-0.004 χ^2/NDF: 896269.4/46

- sign 23.460+/-0.005 χ^2/NDF: 258863.9/23



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

Left Out: 0.002+/-0.018 χ^2/NDF:6.8/6

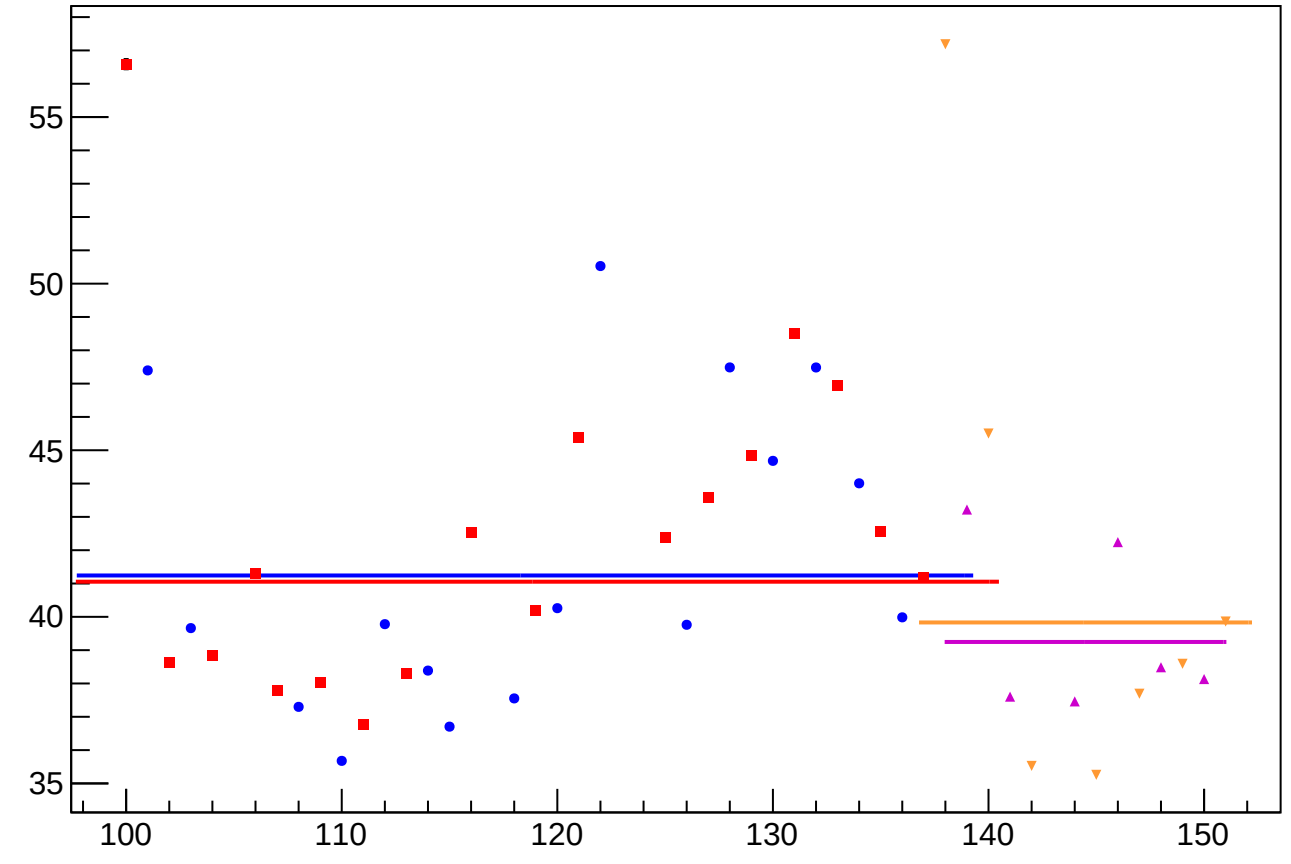
Right Out: -0.023+/-0.016 χ^2/NDF: 15.4/17

Left In: -0.019+/-0.017 χ^2/NDF:1.6/5

+ sign -0.001+/-0.012 χ^2/NDF: 18.6/22

All: -0.012+/-0.008 χ^2/NDF: 37.0/46

- sign -0.022+/-0.012 χ^2/NDF: 17.0/23



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

Left Out: 39.832+/-0.013 χ^2/NDF:202957.0/6

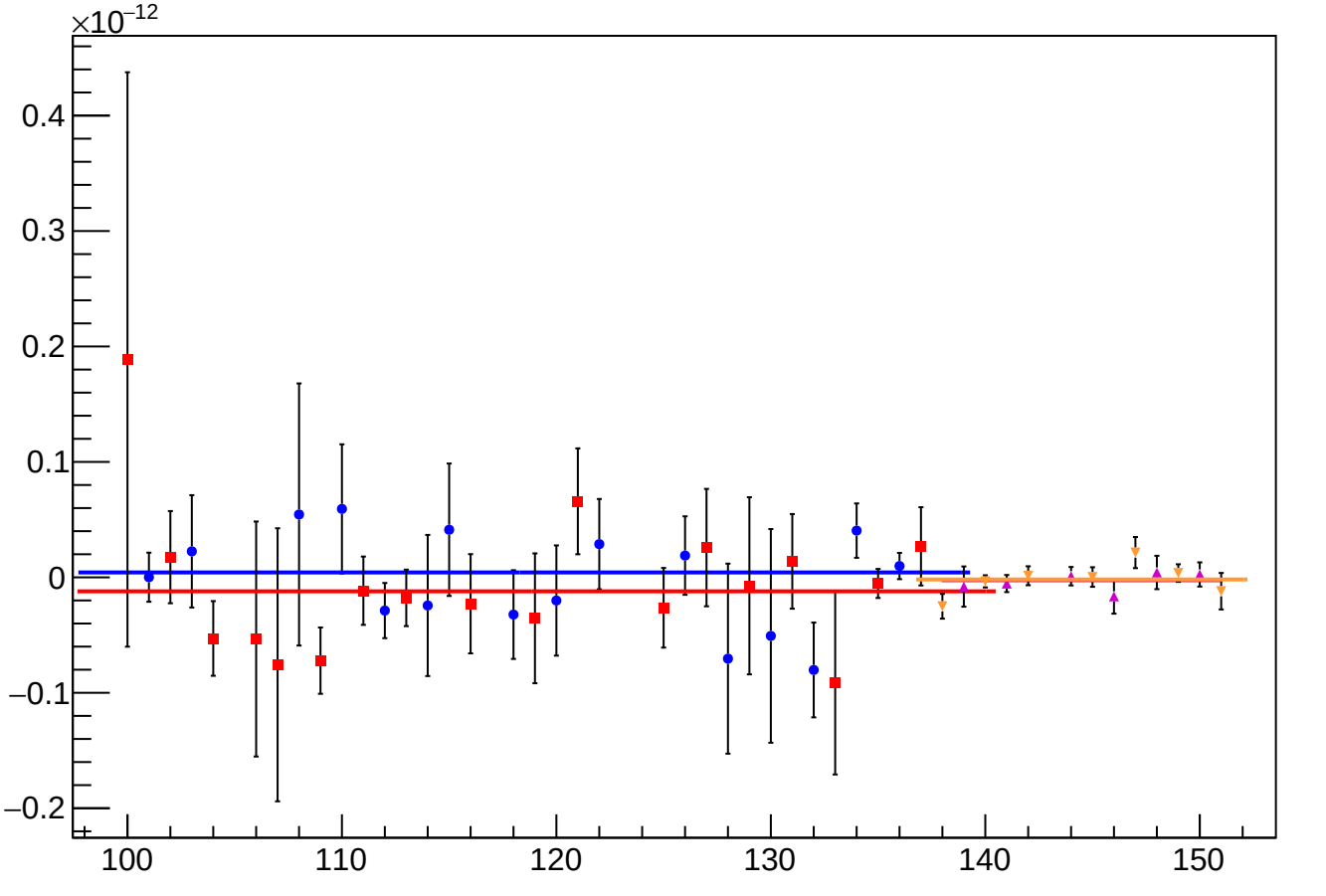
Right Out: 41.055+/-0.011 χ^2/NDF: 96549.4/17

Left In: 39.246+/-0.012 χ^2/NDF:31487.4/5

\+ sign 40.625+/-0.008 χ^2/NDF: 345234.4/22

All: 40.439+/-0.006 χ^2/NDF: 486221.5/46

\- sign 40.259+/-0.008 χ^2/NDF: 140008.9/23



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

Left Out: -0.000+/-0.000 χ^2/NDF:8.9/6

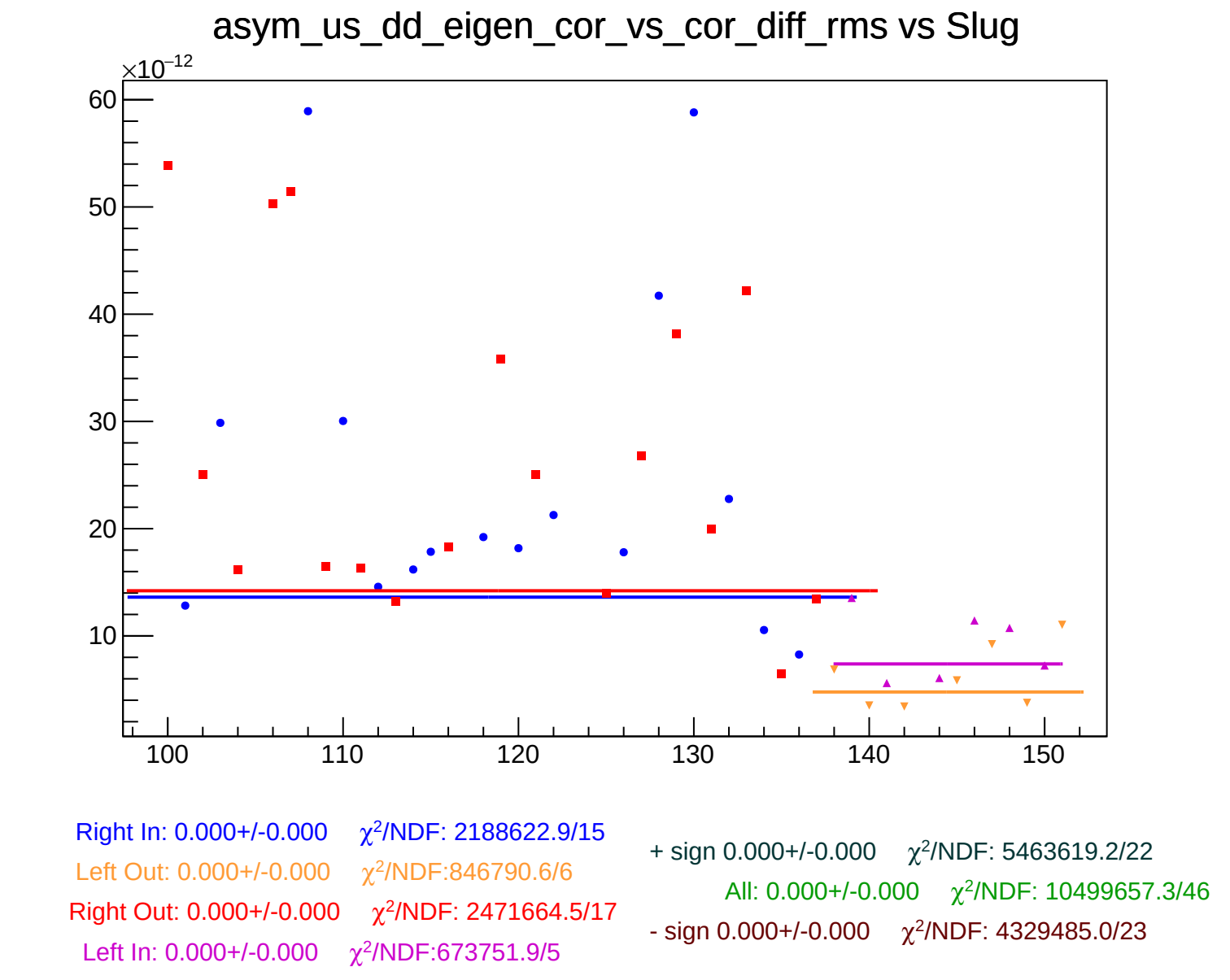
Right Out: -0.000+/-0.000 χ^2/NDF: 14.5/17

Left In: -0.000+/-0.000 χ^2/NDF:1.8/5

+ sign -0.000+/-0.000 χ^2/NDF: 23.1/22

All: -0.000+/-0.000 χ^2/NDF: 41.3/46

- sign -0.000+/-0.000 χ^2/NDF: 17.5/23


asym_us_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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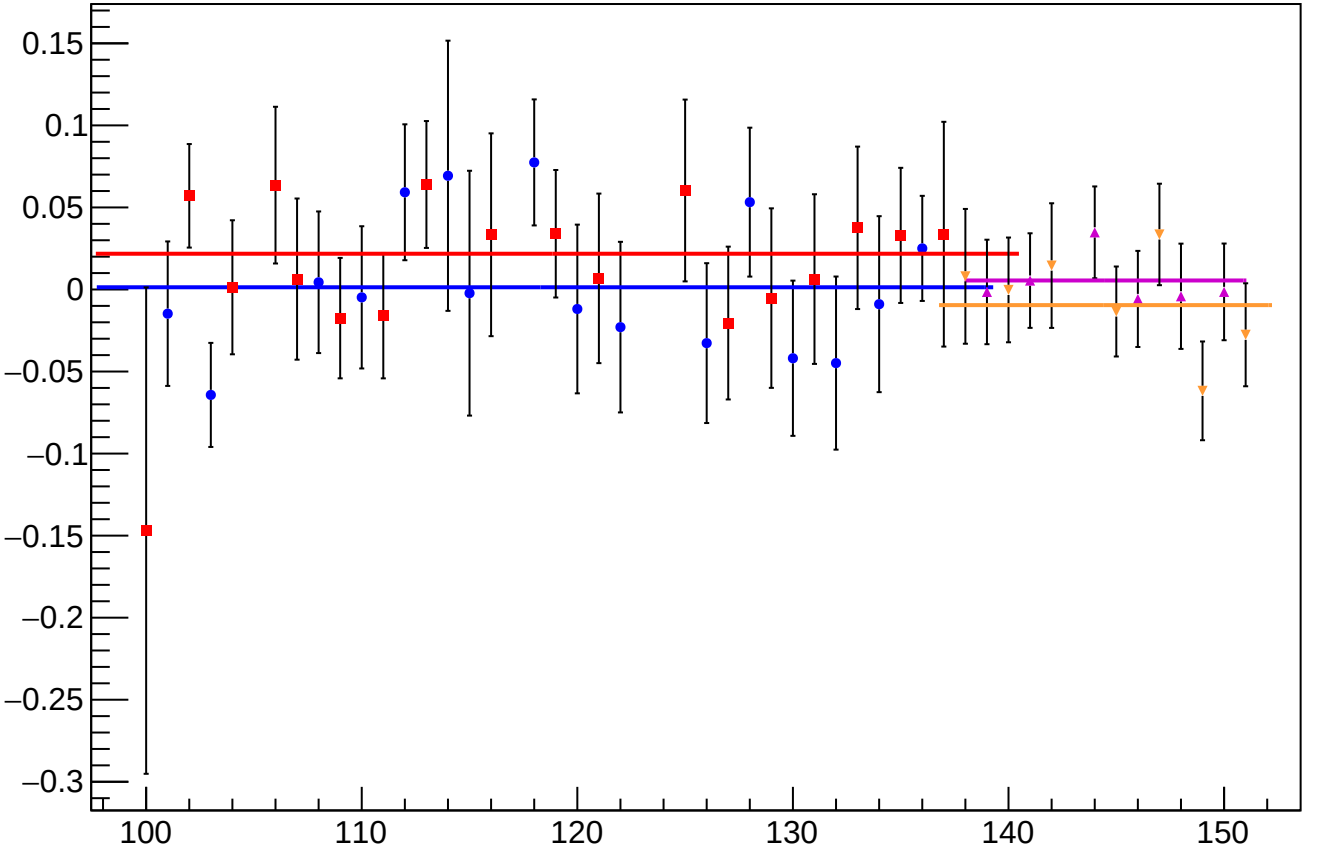
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2188622.9/15
Left Out: 0.000+/-0.000 χ²/NDF:846790.6/6
Right Out: 0.000+/-0.000 χ²/NDF: 2471664.5/17
Left In: 0.000+/-0.000 χ²/NDF:673751.9/5
+ sign 0.000+/-0.000 χ²/NDF: 5463619.2/22
All: 0.000+/-0.000 χ²/NDF: 10499657.3/46
- sign 0.000+/-0.000 χ²/NDF: 4329485.0/23

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug



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

Left Out: -0.010+/-0.012 χ^2/NDF:6.0/6

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

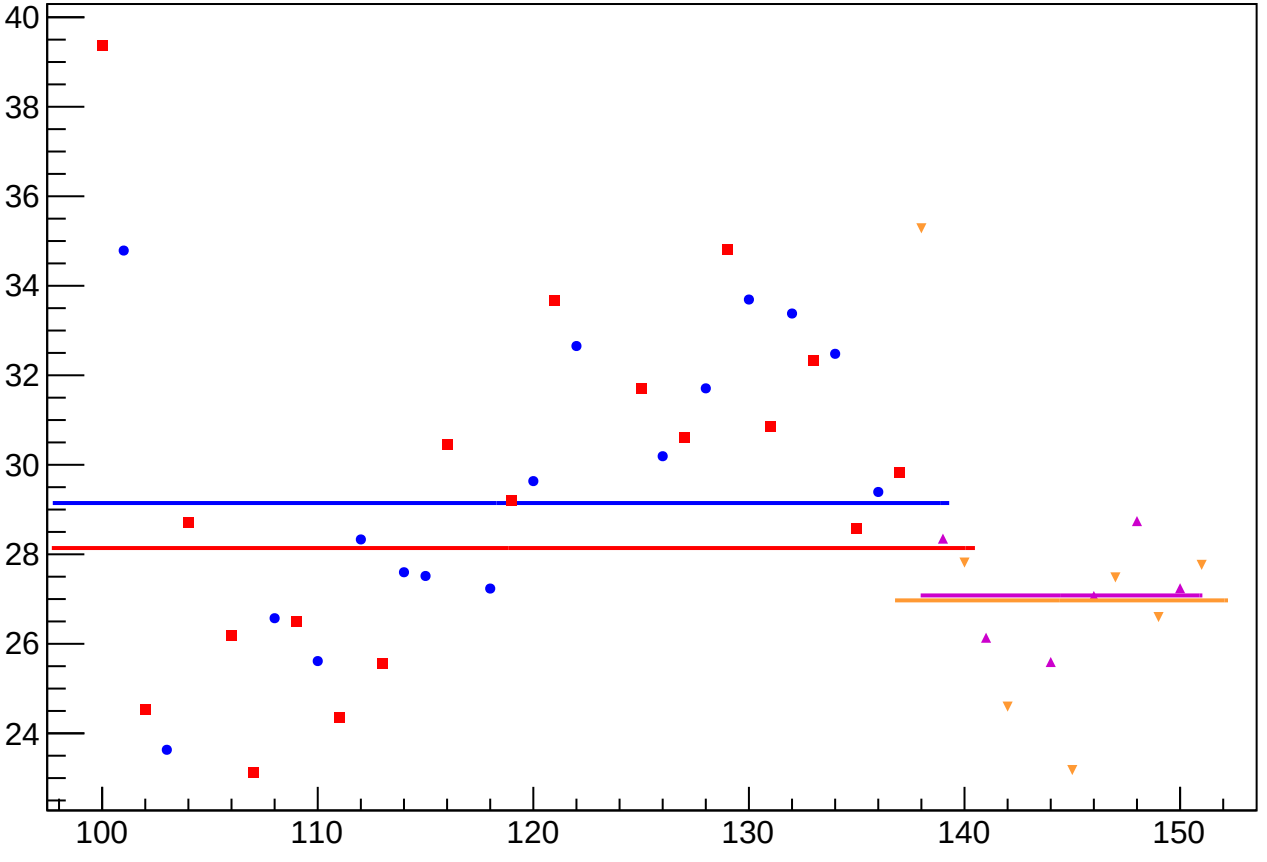
Left In: 0.005+/-0.012 χ^2/NDF:1.4/5

\+ sign -0.004+/-0.008 χ^2/NDF: 21.7/22

All: 0.006+/-0.006 χ^2/NDF: 35.7/46

\- sign 0.015+/-0.008 χ^2/NDF: 11.5/23

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug



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

Left Out: 26.971+/-0.009 χ^2/NDF:131539.7/6

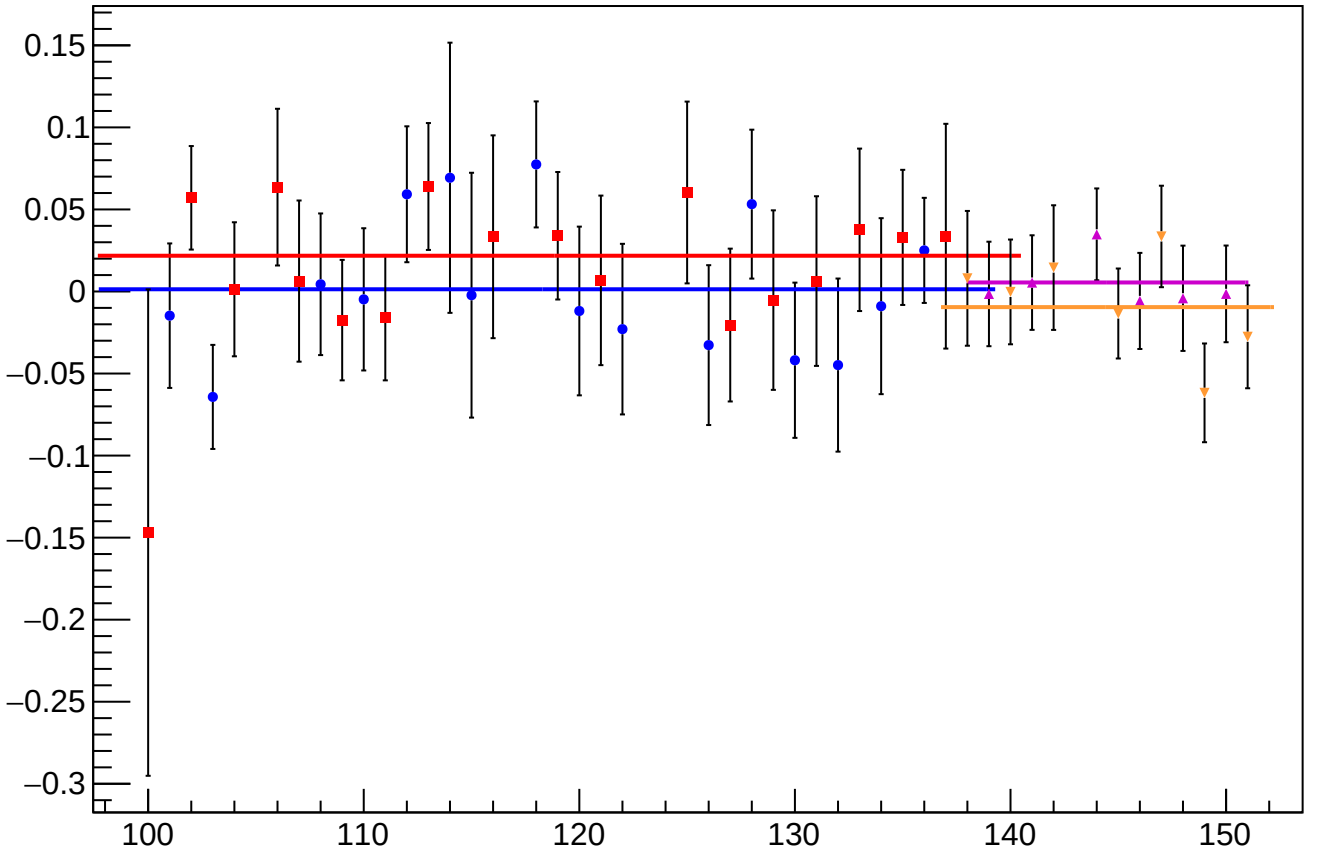
Right Out: 28.140+/-0.008 χ^2/NDF: 187103.8/17

Left In: 27.081+/-0.009 χ^2/NDF:16403.3/5

+ sign 28.146+/-0.006 χ^2/NDF: 343013.2/22

All: 27.905+/-0.004 χ^2/NDF: 558356.9/46

- sign 27.674+/-0.006 χ^2/NDF: 211997.5/23



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

Left Out: -0.010+/-0.012 χ^2/NDF:6.0/6

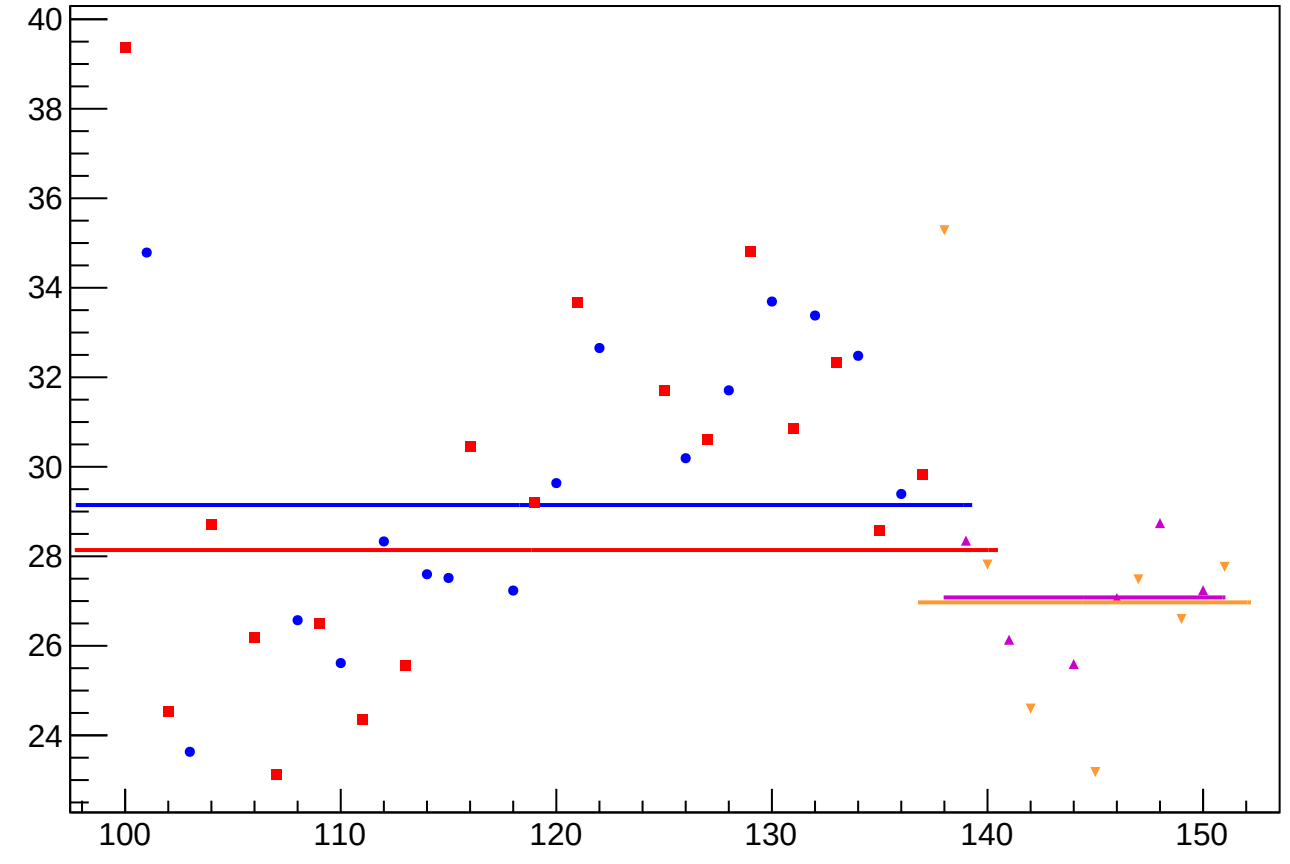
Right Out: 0.022+/-0.011 χ^2/NDF: 9.0/17

Left In: 0.005+/-0.012 χ^2/NDF:1.4/5

+ sign -0.004+/-0.008 χ^2/NDF: 21.7/22

All: 0.006+/-0.006 χ^2/NDF: 35.7/46

- sign 0.015+/-0.008 χ^2/NDF: 11.5/23



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

Left Out: 26.971+/-0.009 χ^2/NDF:131539.7/6

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

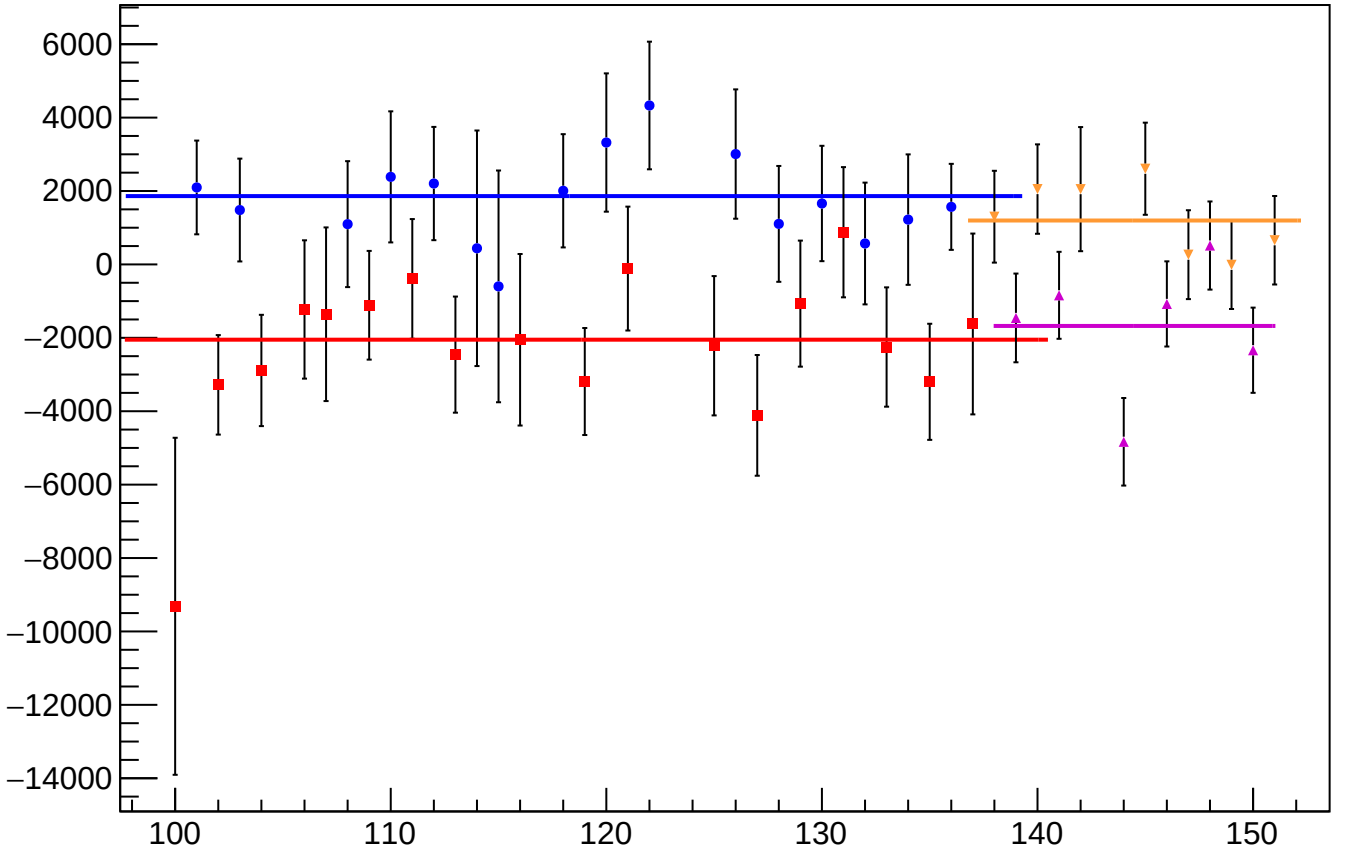
Left In: 27.081+/-0.009 χ^2/NDF:16403.3/5

+ sign 28.146+/-0.006 χ^2/NDF: 343013.2/22

All: 27.905+/-0.004 χ^2/NDF: 558356.9/46

- sign 27.674+/-0.006 χ^2/NDF: 211997.5/23

reg_asym_usl_mean vs Slug



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

Left Out: 1196.401+/-479.026 χ^2/NDF:3.8/6

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

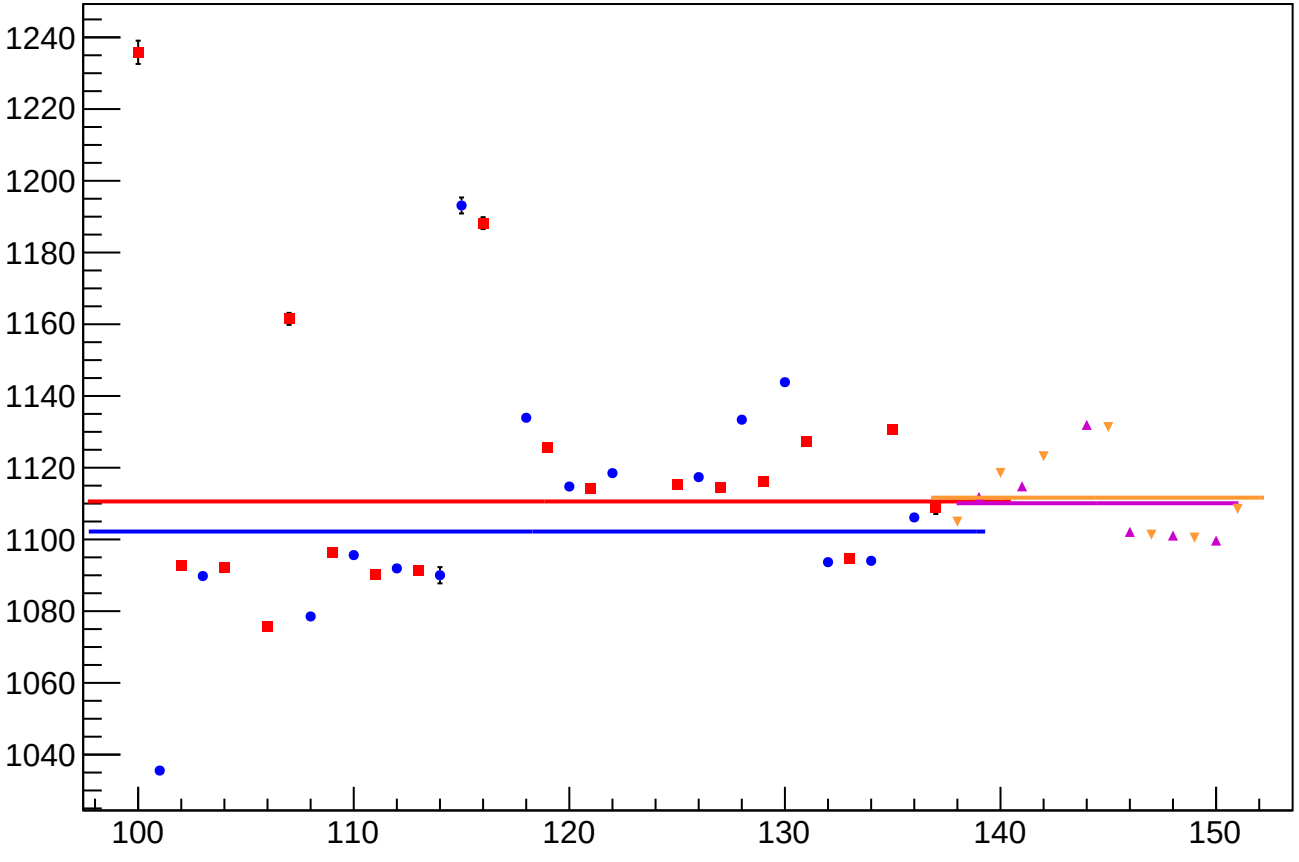
Left In: -1676.316+/-483.482 χ^2/NDF:11.5/5

+ sign 1580.672+/-311.277 χ^2/NDF: 10.3/22

All: -150.840+/-220.491 χ^2/NDF: 96.7/46

- sign -1894.508+/-312.368 χ^2/NDF: 24.3/23

reg_asym_usl_rms vs Slug



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

Left Out: 1111.647+/-0.339 χ^2/NDF:1036.0/6

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

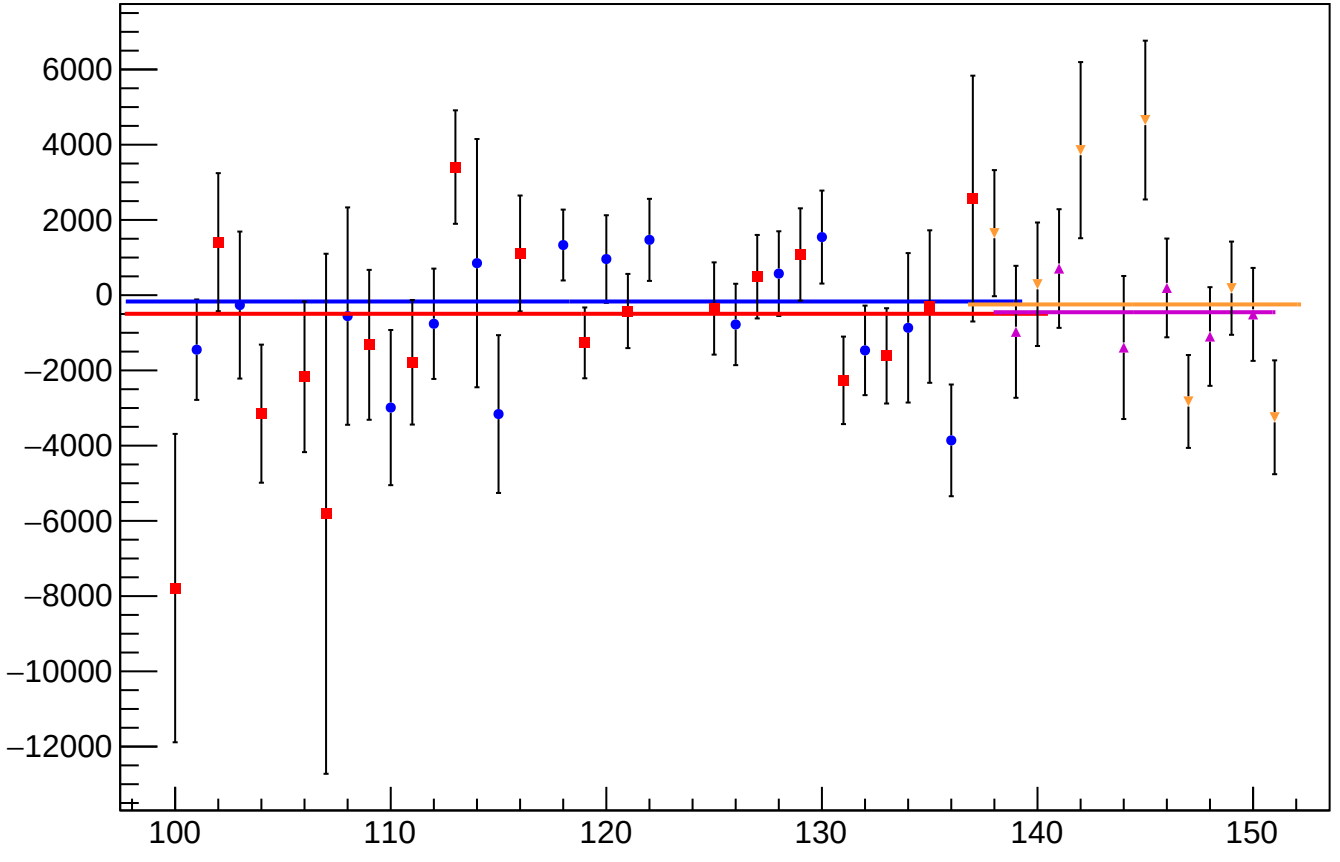
Left In: 1110.097+/-0.342 χ^2/NDF:1075.3/5

+ sign 1106.192+/-0.220 χ^2/NDF: 12833.9/22

All: 1108.281+/-0.156 χ^2/NDF: 21787.3/46

- sign 1110.385+/-0.221 χ^2/NDF: 8772.6/23

asym_usl_reg_correction_mean vs Slug



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

Left Out: -246.146+/-589.467 χ^2/NDF:18.3/6

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

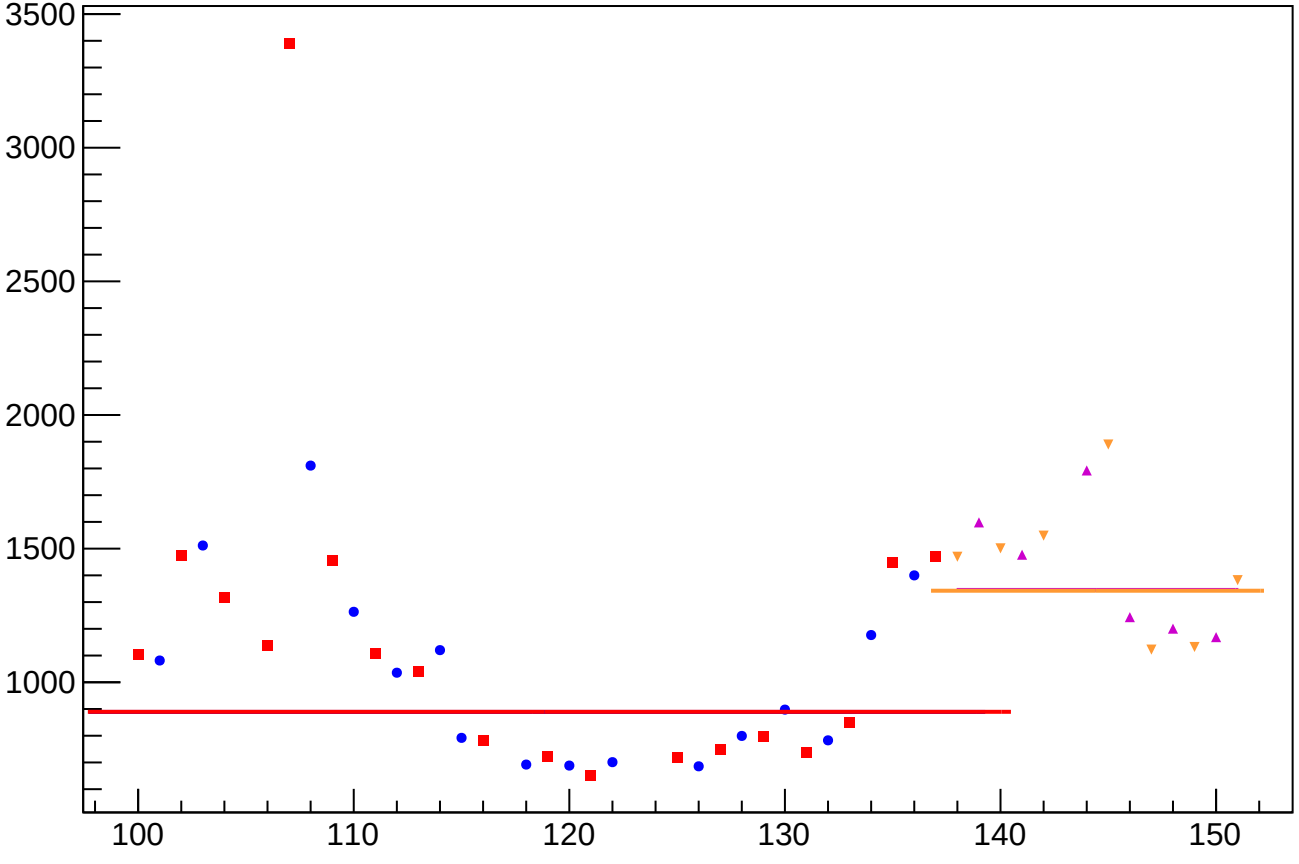
Left In: -453.249+/-595.458 χ^2/NDF:1.4/5

+ sign -187.896+/-298.035 χ^2/NDF: 39.3/22

All: -336.008+/-210.925 χ^2/NDF: 64.4/46

- sign -484.634+/-298.550 χ^2/NDF: 24.7/23

asym_usl_reg_correction_rms vs Slug



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

Left Out: 1342.545+/-0.417 χ^2/NDF:302806.2/6

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

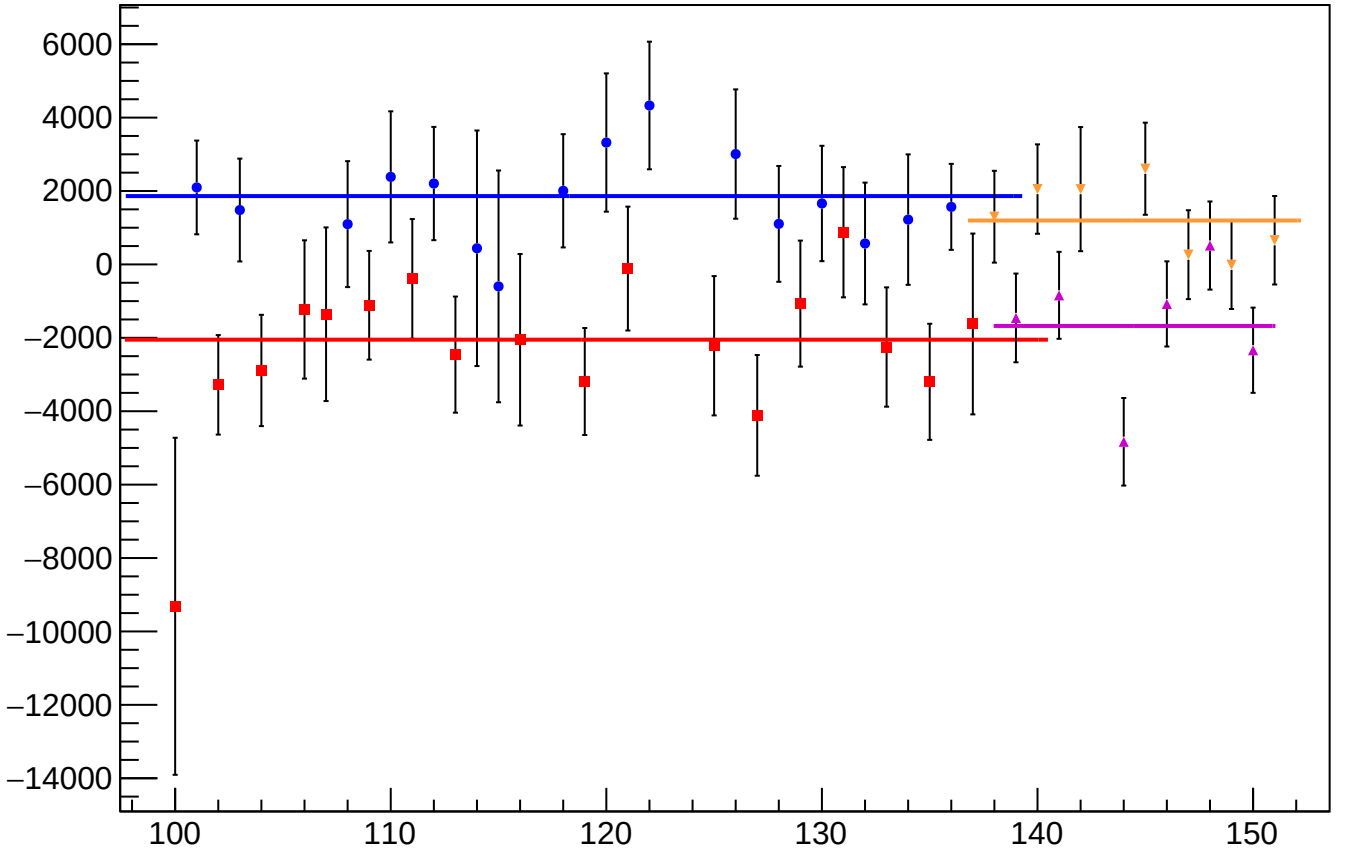
Left In: 1345.431+/-0.421 χ^2/NDF:243284.3/5

+ sign 1004.908+/-0.211 χ^2/NDF: 2317074.6/22

All: 1004.503+/-0.149 χ^2/NDF: 4783983.2/46

- sign 1004.096+/-0.211 χ^2/NDF: 2466901.2/23

cor_asym_usl_mean vs Slug



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

Left Out: 1196.401+/-479.026 χ^2/NDF:3.8/6

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

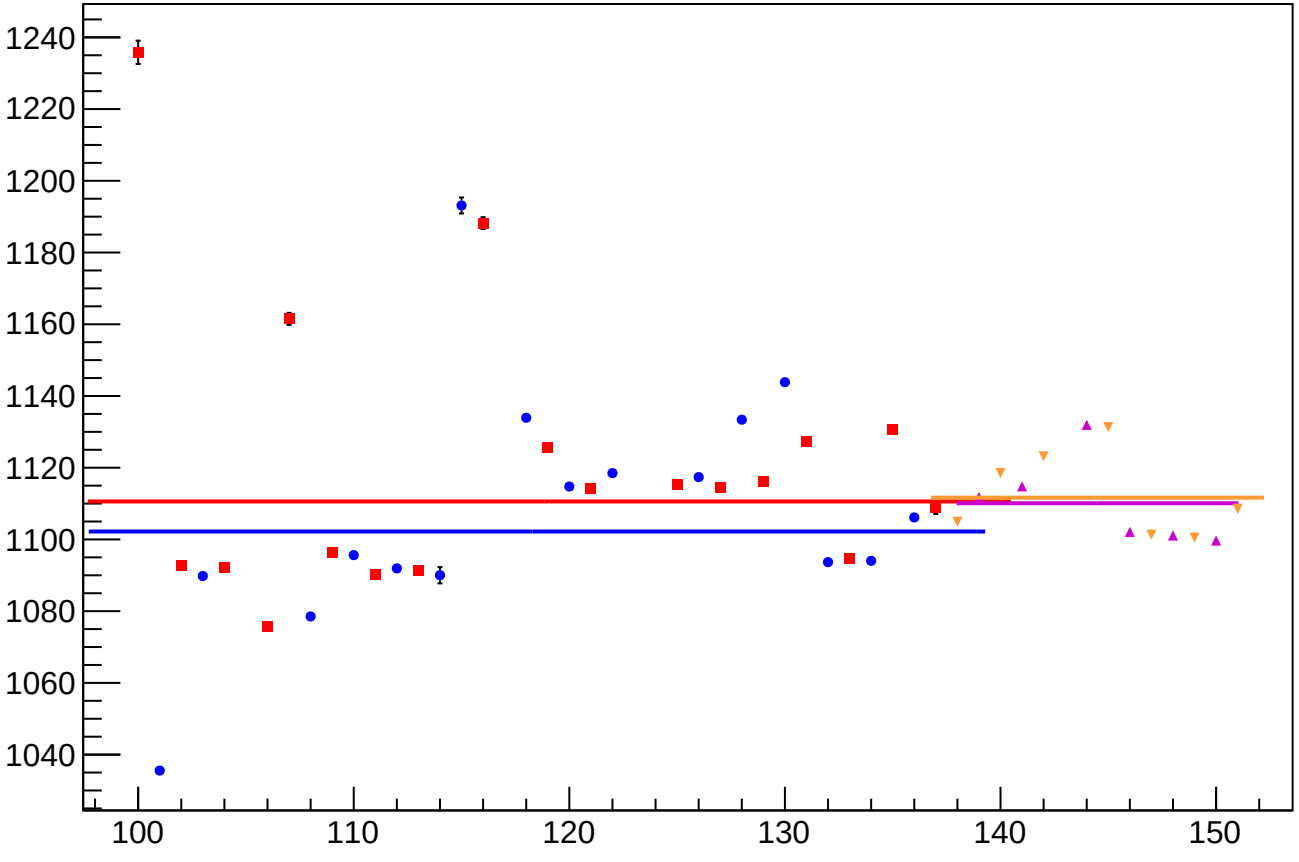
Left In: -1676.316+/-483.482 χ^2/NDF:11.5/5

+ sign 1580.672+/-311.277 χ^2/NDF: 10.3/22

All: -150.840+/-220.491 χ^2/NDF: 96.7/46

- sign -1894.508+/-312.368 χ^2/NDF: 24.3/23

cor_asym_usl_rms vs Slug



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

Left Out: 1111.647+/-0.339 χ^2/NDF:1036.0/6

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

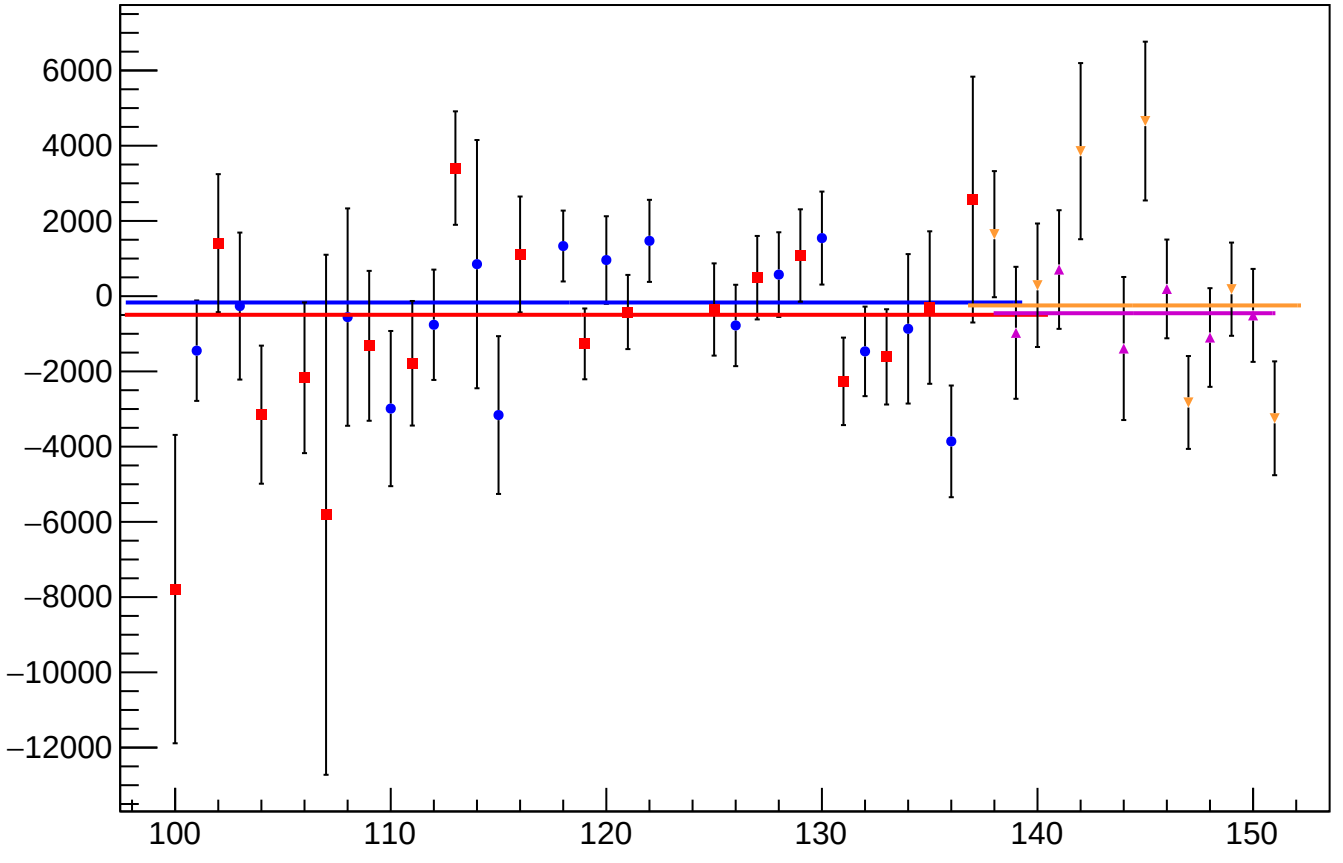
Left In: 1110.097+/-0.342 χ^2/NDF:1075.3/5

+ sign 1106.192+/-0.220 χ^2/NDF: 12833.9/22

All: 1108.281+/-0.156 χ^2/NDF: 21787.3/46

- sign 1110.385+/-0.221 χ^2/NDF: 8772.6/23

asym_usl_cor_correction_mean vs Slug



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

Left Out: -246.146+/-589.467 χ^2/NDF:18.3/6

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

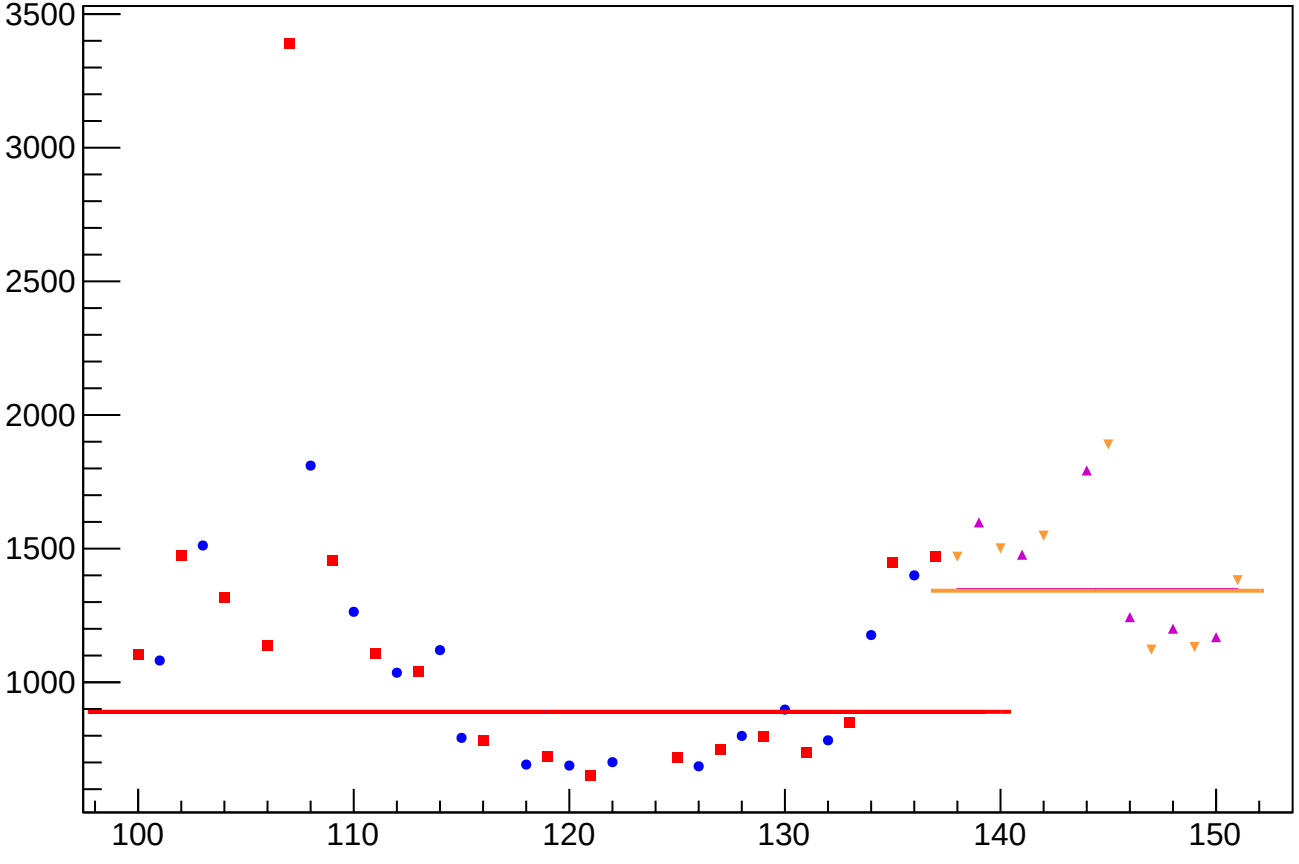
Left In: -453.249+/-595.458 χ^2/NDF:1.4/5

+ sign -187.896+/-298.035 χ^2/NDF: 39.3/22

All: -336.008+/-210.925 χ^2/NDF: 64.4/46

- sign -484.634+/-298.550 χ^2/NDF: 24.7/23

asym_usl_cor_correction_rms vs Slug



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

Left Out: 1342.545+/-0.417 χ^2/NDF:302806.2/6

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

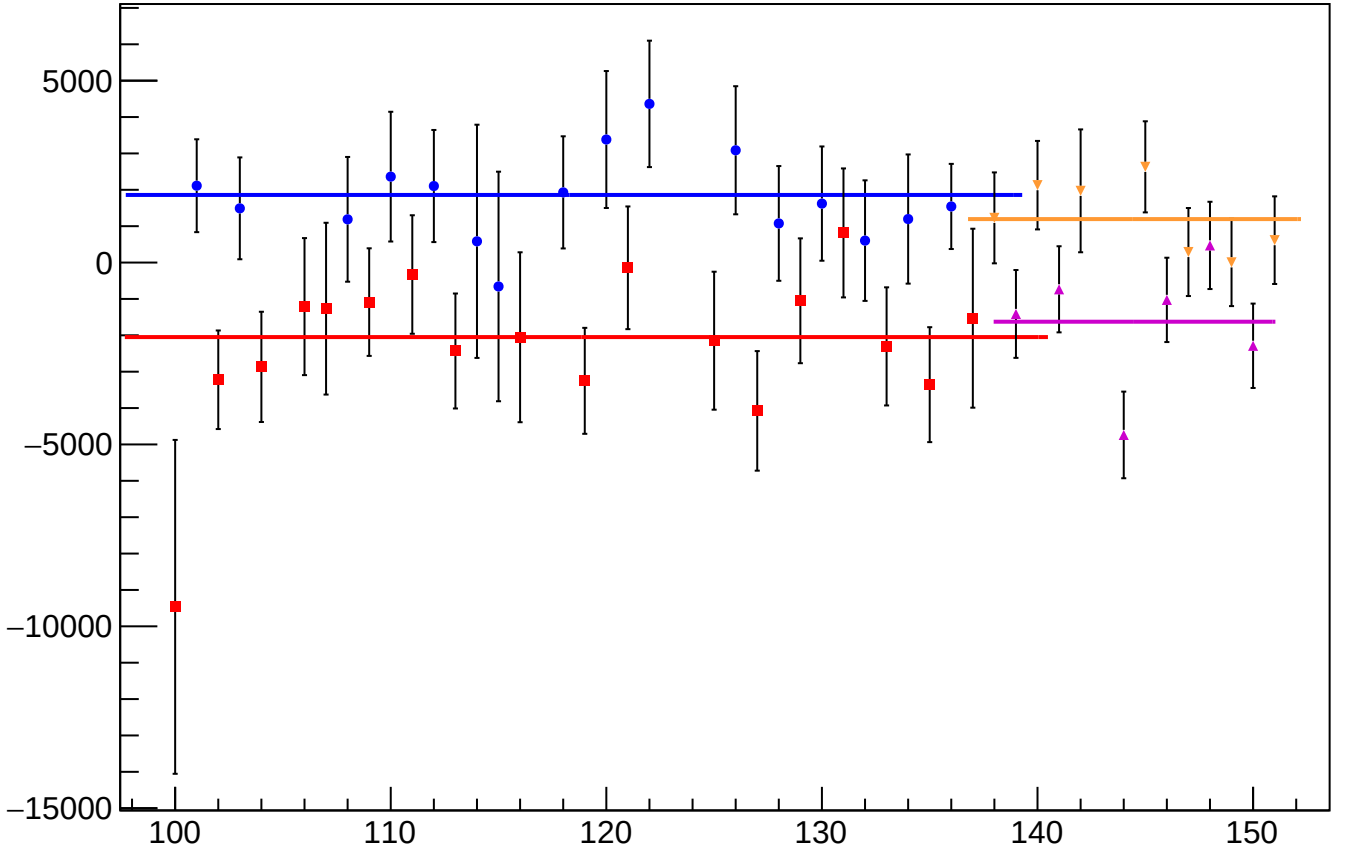
Left In: 1345.431+/-0.421 χ^2/NDF:243284.3/5

+ sign 1004.908+/-0.211 χ^2/NDF: 2317074.6/22

All: 1004.503+/-0.149 χ^2/NDF: 4783983.2/46

- sign 1004.096+/-0.211 χ^2/NDF: 2466901.2/23

overload_cor_asym_usl_mean vs Slug



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

Left Out: 1194.879+/-478.473 χ^2/NDF:3.9/6

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

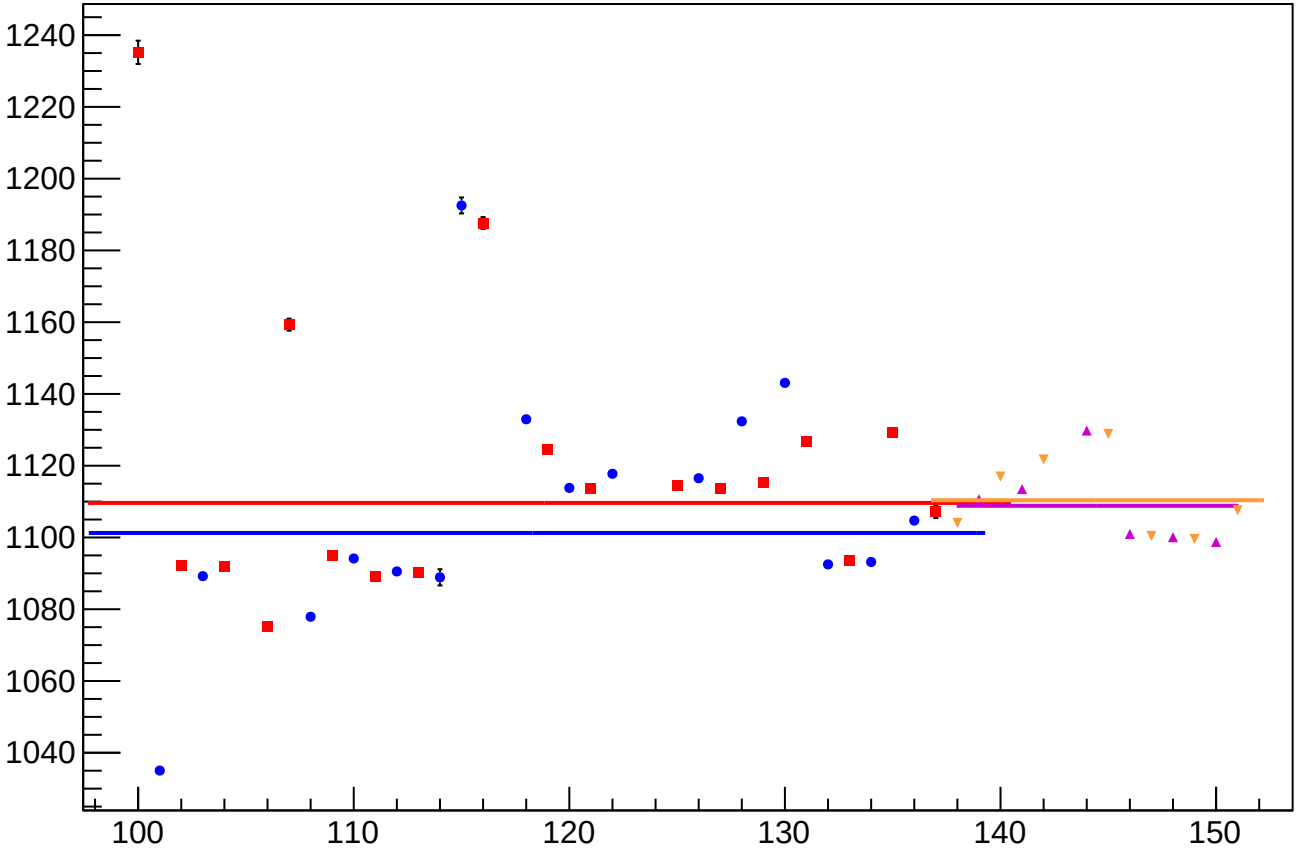
Left In: -1626.360+/-482.928 χ^2/NDF:11.1/5

+ sign 1578.294+/-310.970 χ^2/NDF: 10.4/22

All: -140.981+/-220.273 χ^2/NDF: 96.1/46

- sign -1872.336+/-312.060 χ^2/NDF: 24.3/23

overload_cor_asym_usl_rms vs Slug



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

Left Out: 1110.371+/-0.338 χ^2/NDF:943.9/6

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

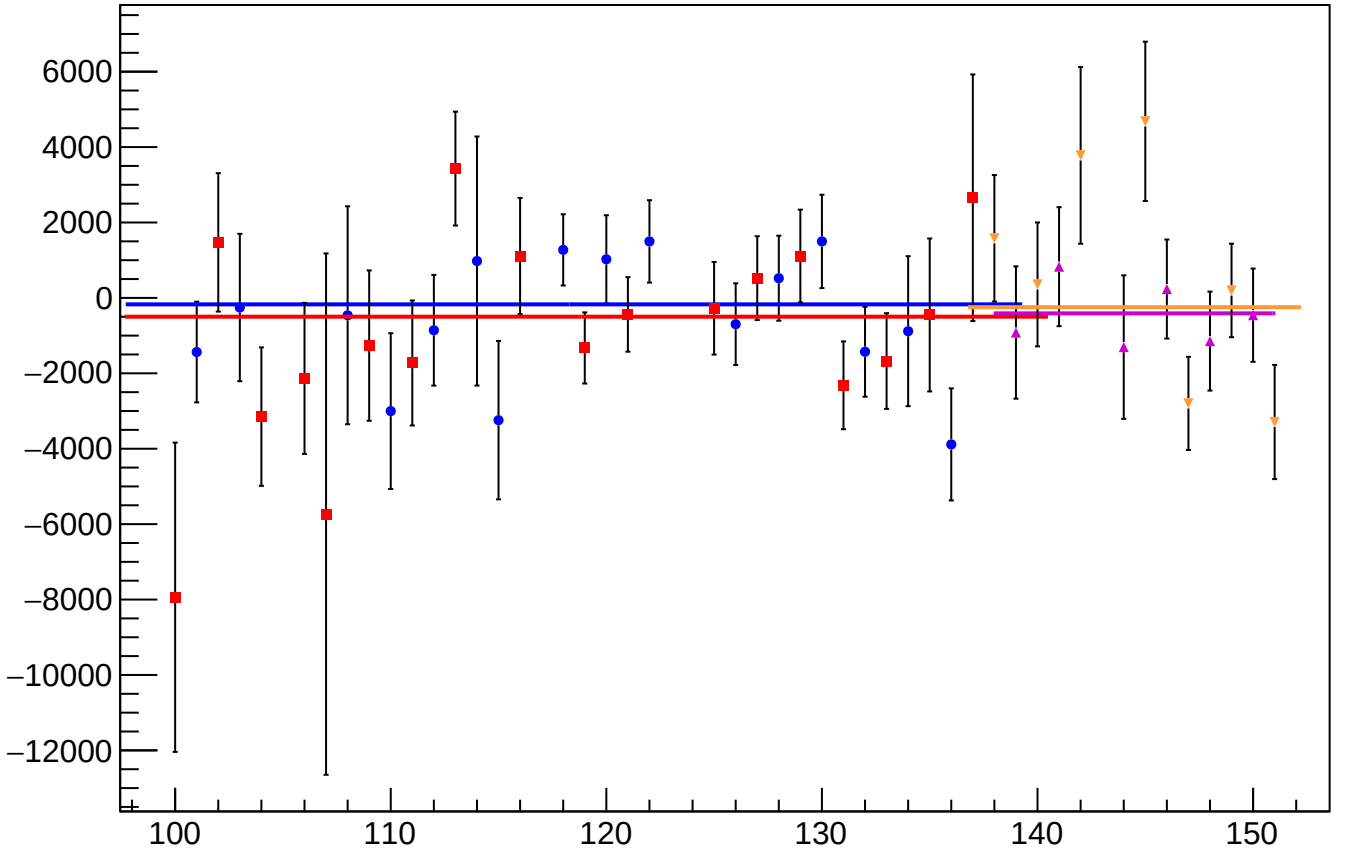
Left In: 1108.831+/-0.341 χ^2/NDF:1004.5/5

+ sign 1105.105+/-0.220 χ^2/NDF: 12671.6/22

All: 1107.193+/-0.156 χ^2/NDF: 21533.3/46

- sign 1109.295+/-0.221 χ^2/NDF: 8680.8/23

asym_usl_overload_cor_correction_mean vs Slug



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

Left Out: -245.956+/-589.886 χ^2/NDF:18.2/6

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

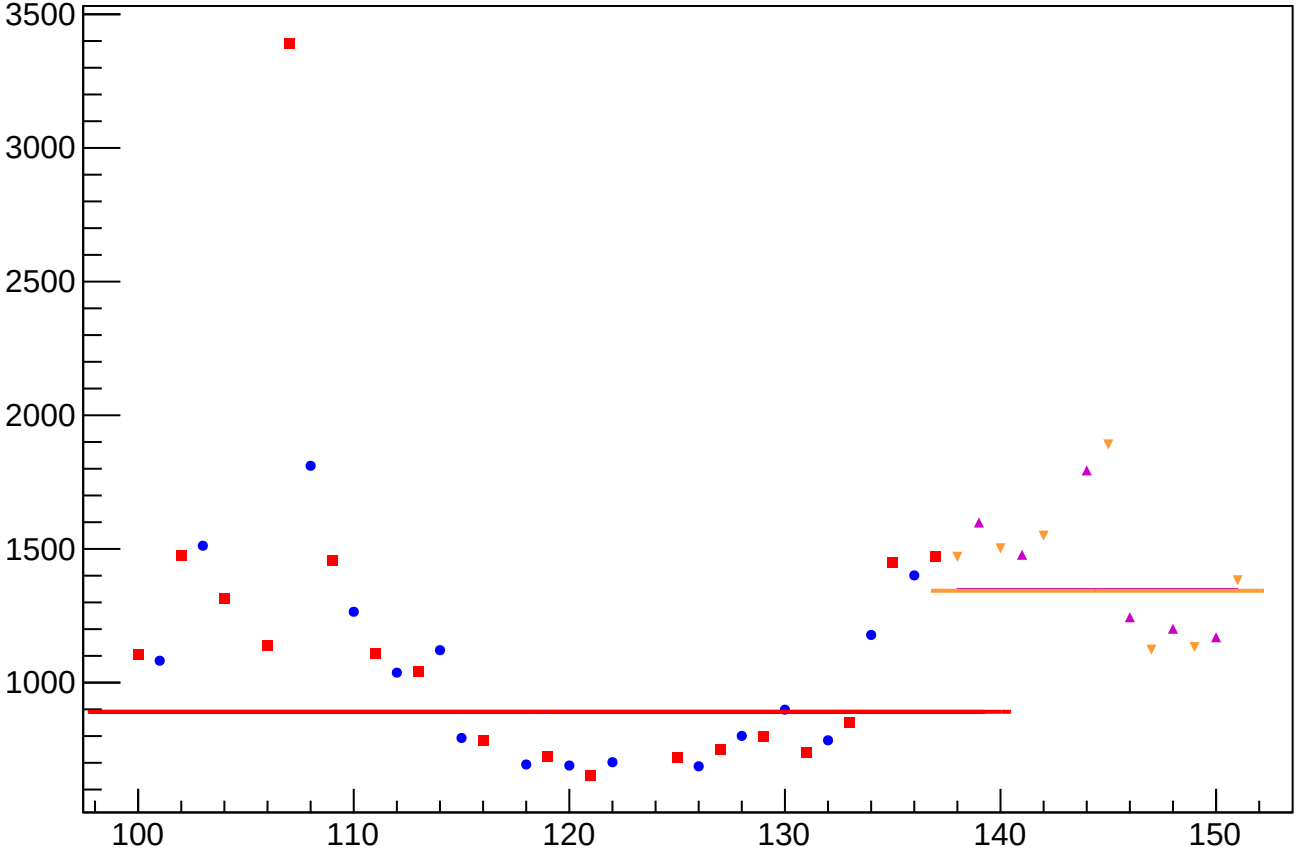
Left In: -409.942+/-595.881 χ^2/NDF:1.5/5

+ sign -190.133+/-298.436 χ^2/NDF: 39.1/22

All: -332.731+/-211.202 χ^2/NDF: 65.0/46

- sign -475.806+/-298.935 χ^2/NDF: 25.4/23

asym_usl_overload_cor_correction_rms vs Slug



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

Left Out: 1343.521+/-0.417 χ^2/NDF:302628.2/6

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

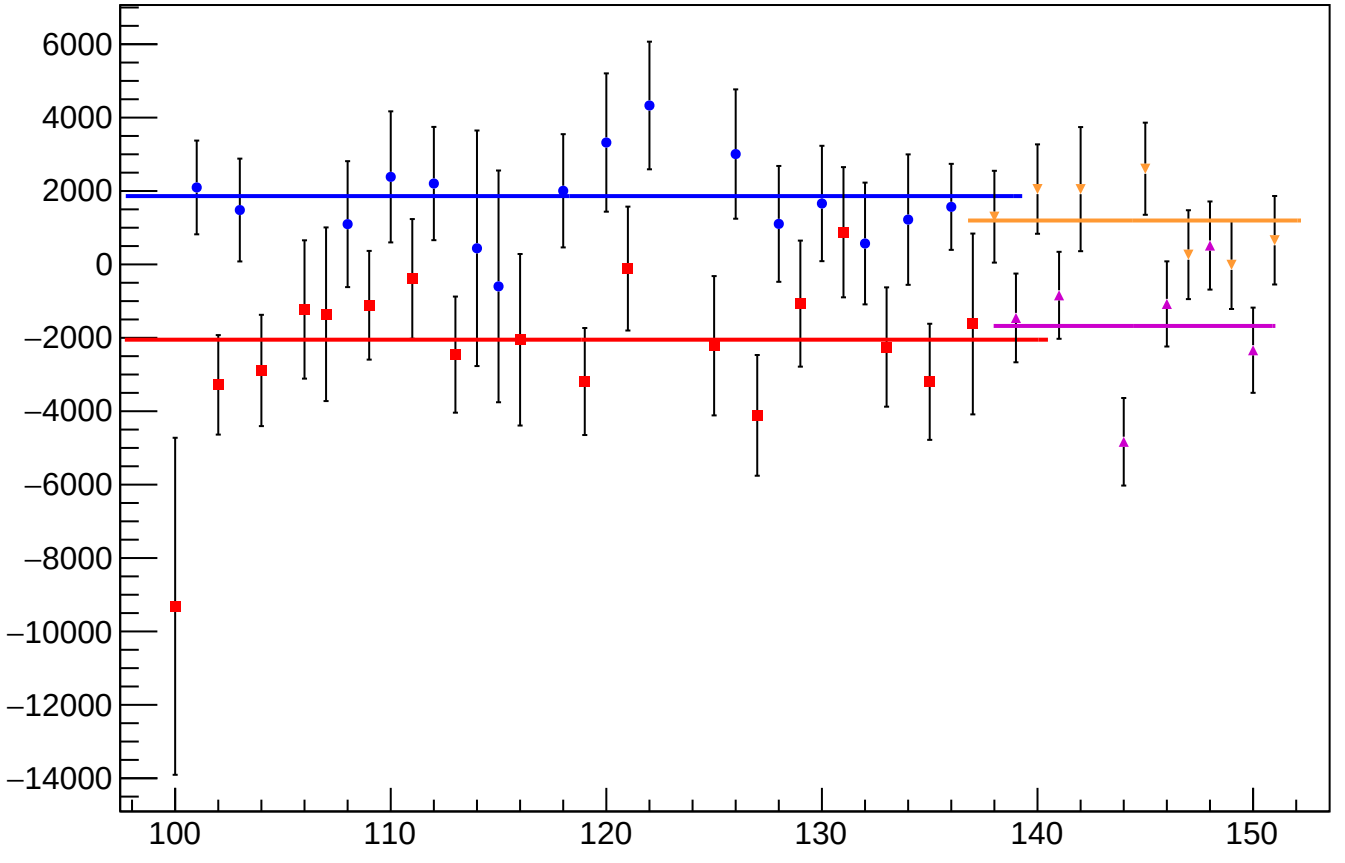
Left In: 1346.403+/-0.421 χ^2/NDF:243154.0/5

+ sign 1006.449+/-0.211 χ^2/NDF: 2309052.9/22

All: 1006.008+/-0.149 χ^2/NDF: 4768423.1/46

- sign 1005.566+/-0.211 χ^2/NDF: 2459361.5/23

eigen_cor_asym_usl_mean vs Slug



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

Left Out: 1196.401+/-479.026 χ^2/NDF:3.8/6

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

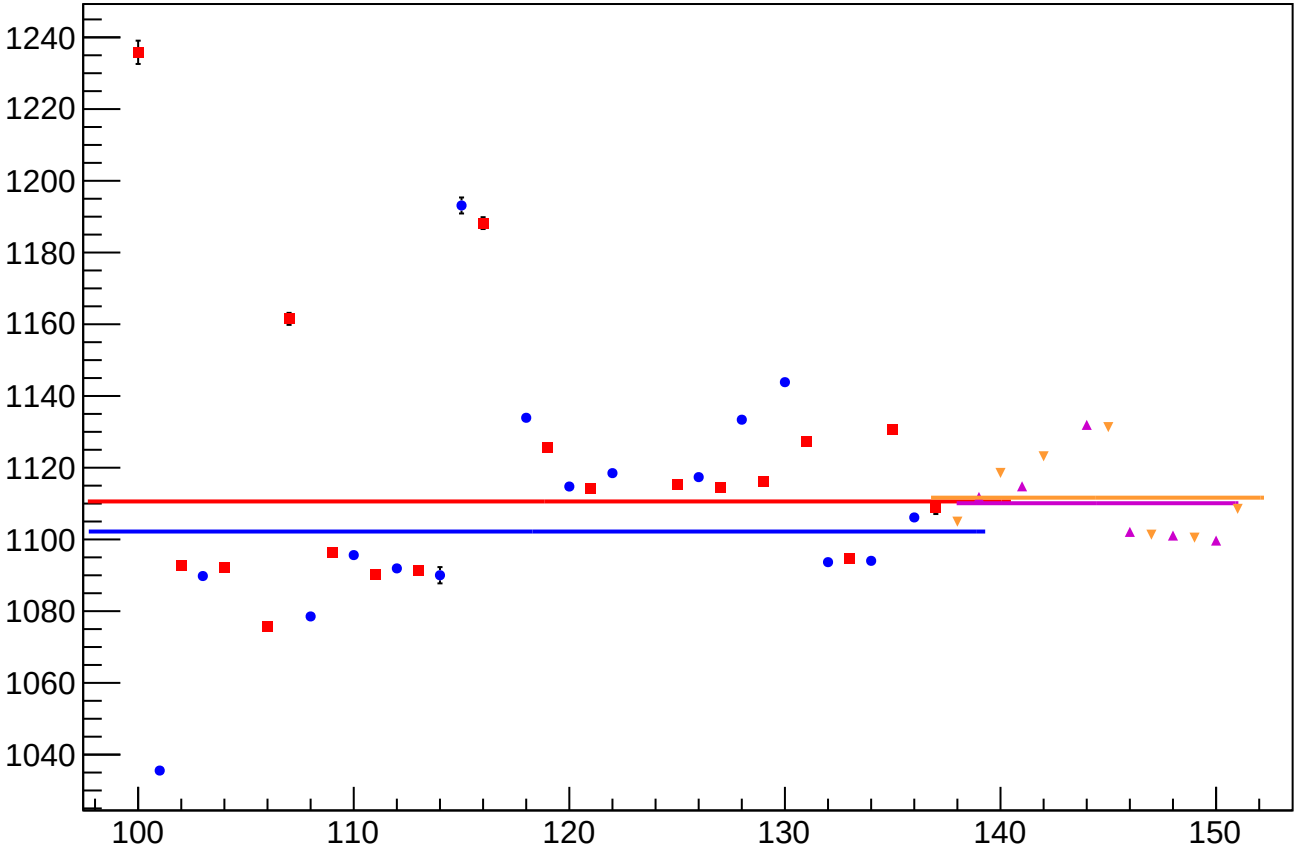
Left In: -1676.316+/-483.482 χ^2/NDF:11.5/5

+ sign 1580.672+/-311.277 χ^2/NDF: 10.3/22

All: -150.840+/-220.491 χ^2/NDF: 96.7/46

- sign -1894.508+/-312.368 χ^2/NDF: 24.3/23

eigen_cor_asym_usl_rms vs Slug



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

Left Out: 1111.647+/-0.339 χ^2/NDF:1036.0/6

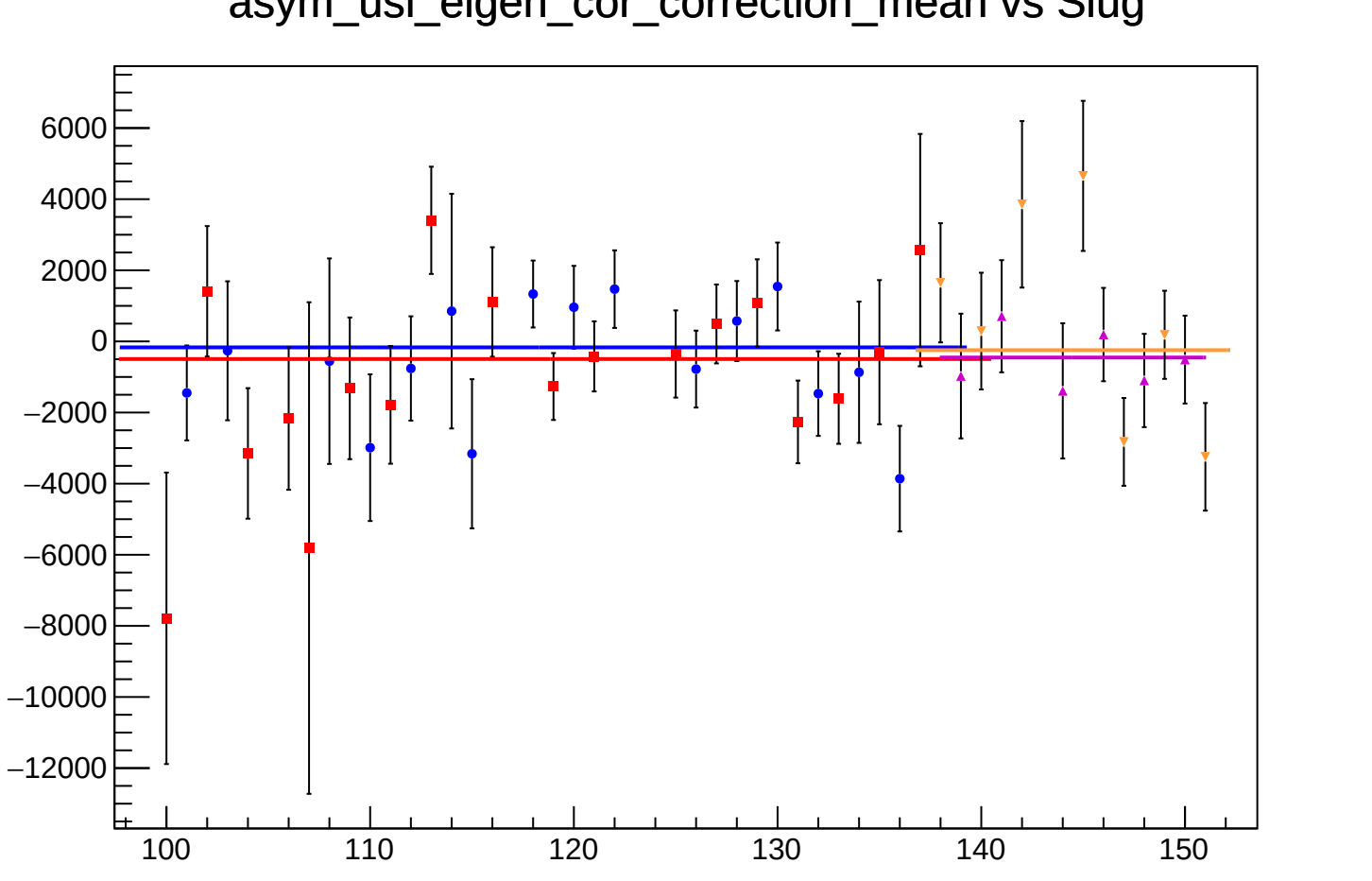
Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

Left In: 1110.097+/-0.342 χ^2/NDF:1075.3/5

+ sign 1106.192+/-0.220 χ^2/NDF: 12833.9/22

All: 1108.281+/-0.156 χ^2/NDF: 21787.3/46

- sign 1110.385+/-0.221 χ^2/NDF: 8772.6/23



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

Left Out: -246.146+/-589.467 χ^2/NDF:18.3/6

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

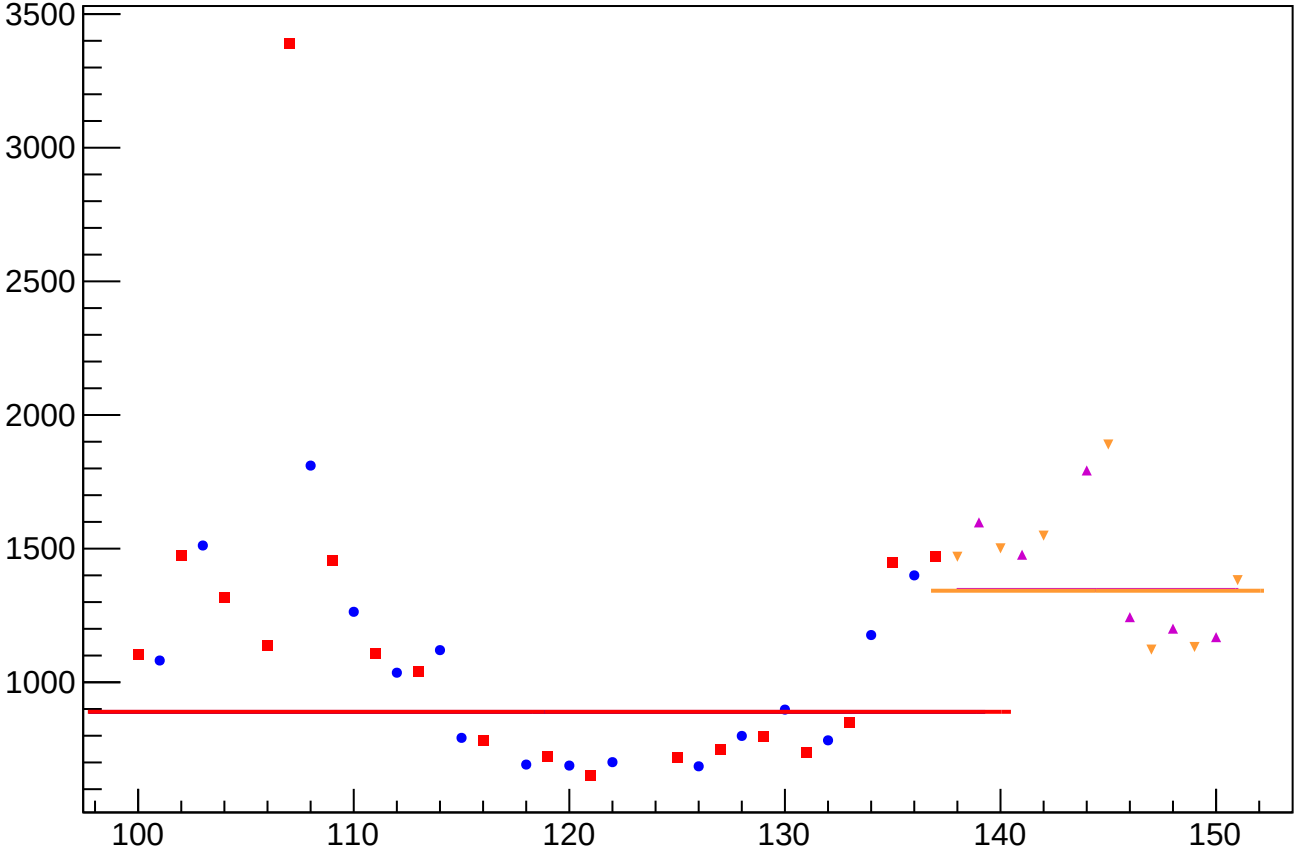
Left In: -453.249+/-595.458 χ^2/NDF:1.4/5

+ sign -187.896+/-298.035 χ^2/NDF: 39.3/22

All: -336.008+/-210.925 χ^2/NDF: 64.4/46

- sign -484.634+/-298.550 χ^2/NDF: 24.7/23

asym_usl_eigen_cor_correction_rms vs Slug



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

Left Out: 1342.545+/-0.417 χ^2/NDF:302806.2/6

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

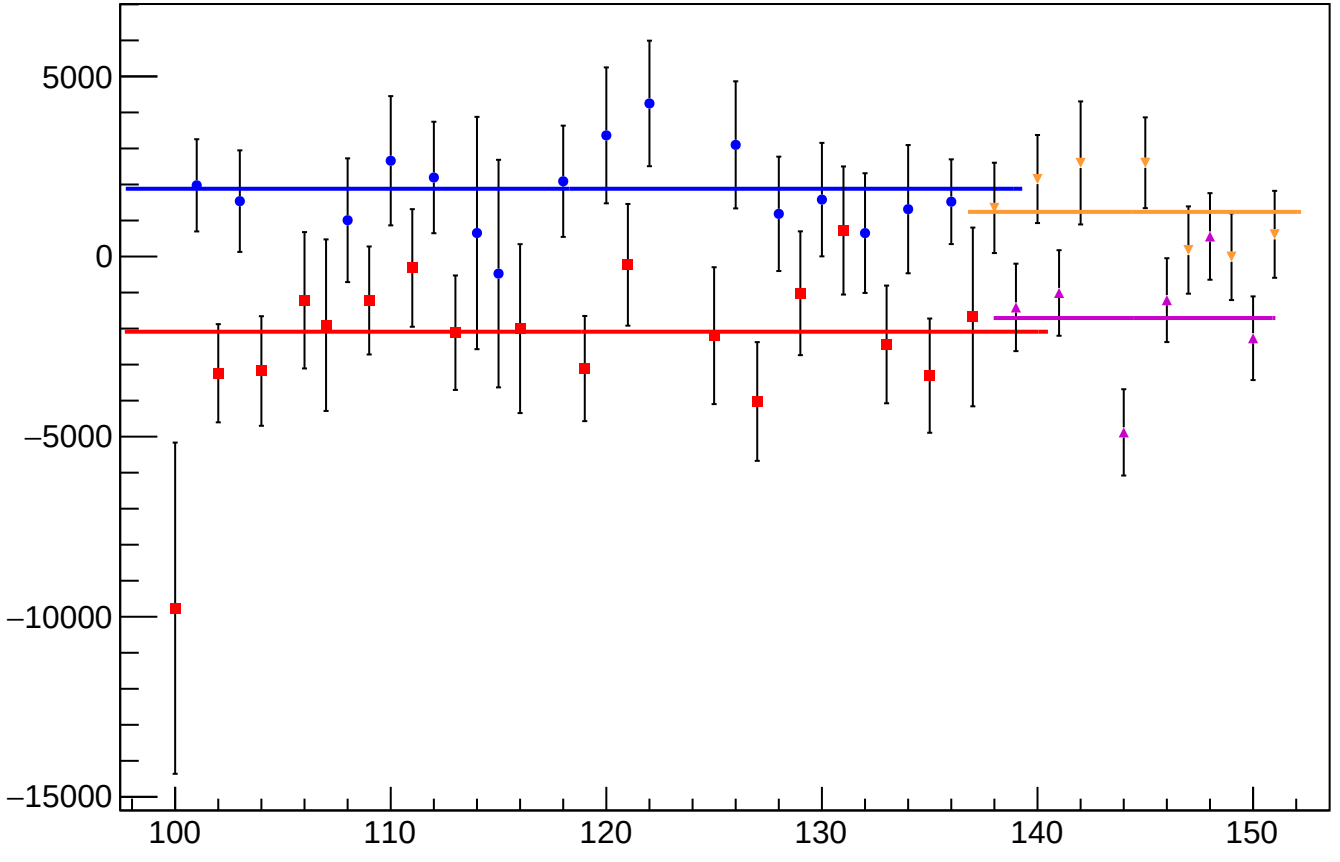
Left In: 1345.431+/-0.421 χ^2/NDF:243284.3/5

+ sign 1004.908+/-0.211 χ^2/NDF: 2317074.6/22

All: 1004.503+/-0.149 χ^2/NDF: 4783983.2/46

- sign 1004.096+/-0.211 χ^2/NDF: 2466901.2/23

dit_asym_usl_mean vs Slug



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

Left Out: 1239.534+/-480.325 χ^2/NDF:4.5/6

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

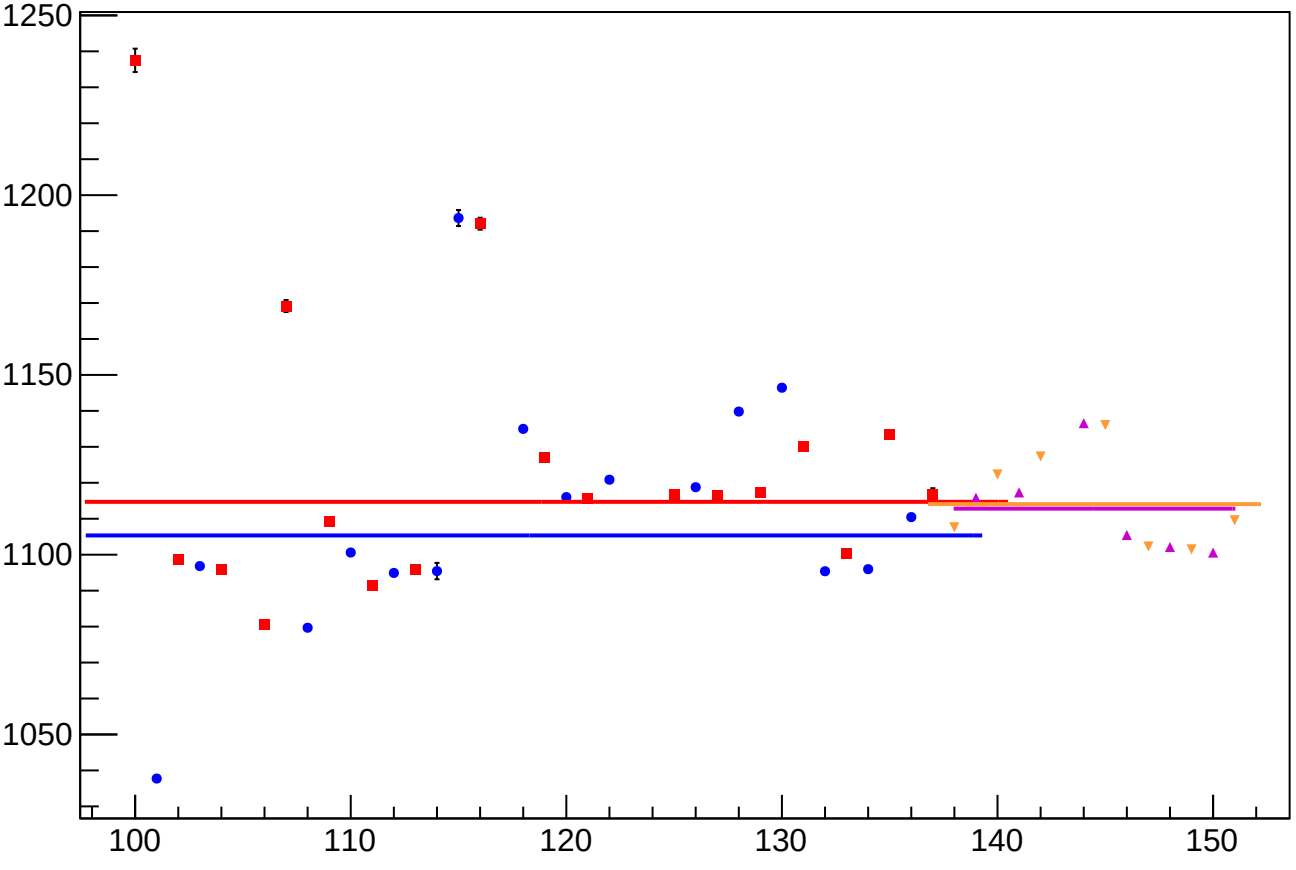
Left In: -1707.150+/-484.690 χ^2/NDF:11.4/5

+ sign 1610.389+/-312.150 χ^2/NDF: 10.7/22

All: -151.941+/-221.156 χ^2/NDF: 98.8/46

- sign -1928.146+/-313.376 χ^2/NDF: 24.1/23

dit_asym_usl_rms vs Slug



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

Left Out: 1114.069+/-0.340 χ^2/NDF:1307.2/6

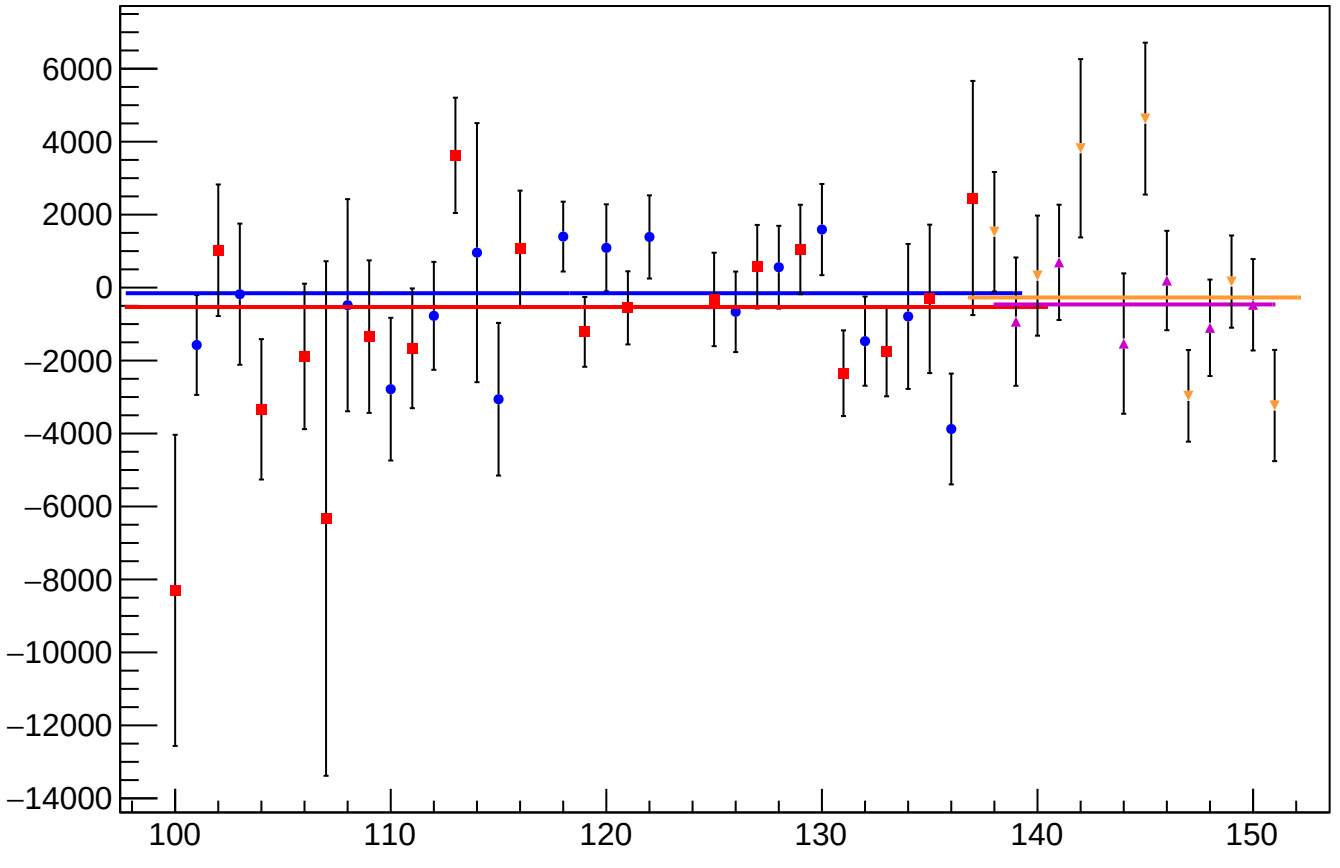
Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.3/17

Left In: 1112.812+/-0.343 χ^2/NDF:1287.8/5

+ sign 1109.035+/-0.221 χ^2/NDF: 13018.3/22

All: 1111.465+/-0.156 χ^2/NDF: 21897.4/46

- sign 1113.914+/-0.222 χ^2/NDF: 8635.8/23



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

Left Out: -270.760+/-594.549 χ^2/NDF:18.2/6

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

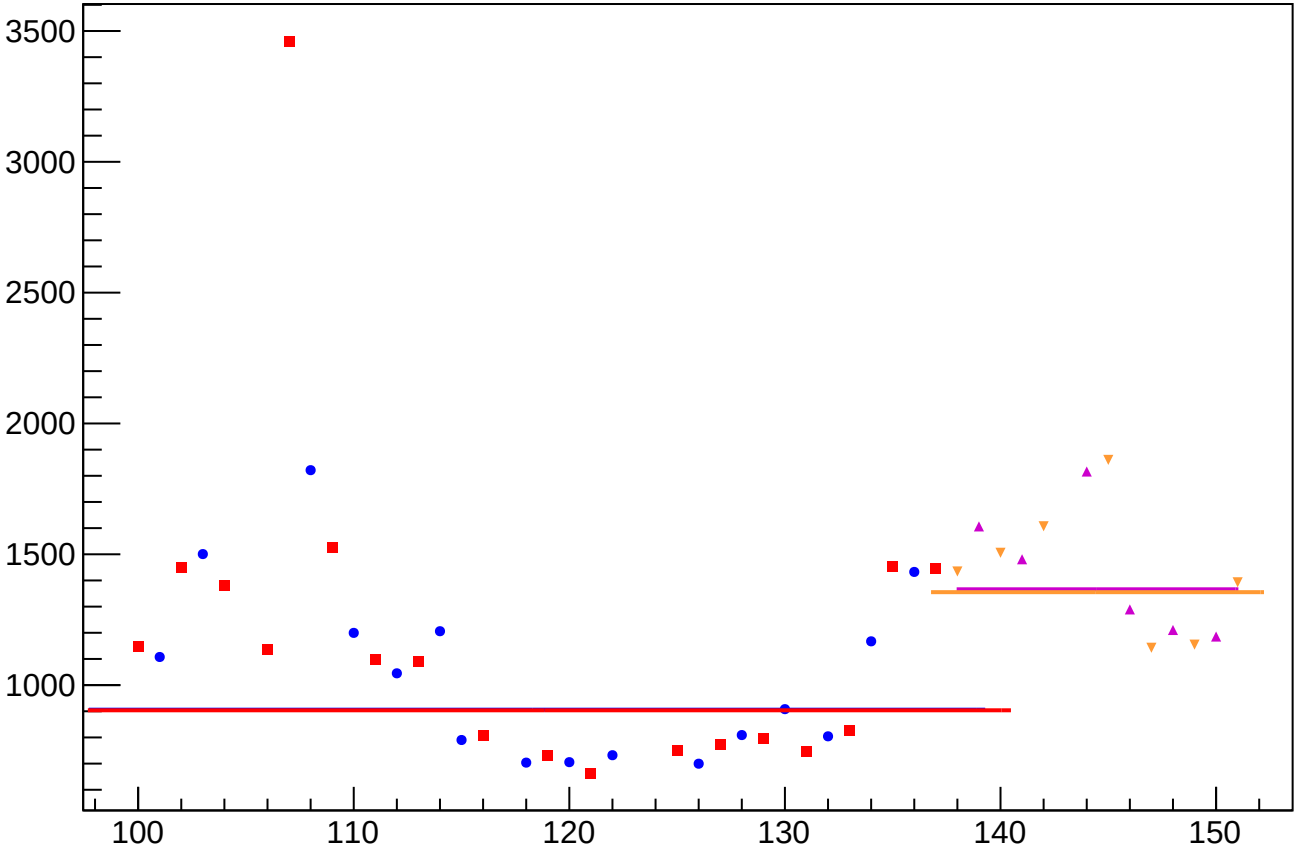
Left In: -461.394+/-603.947 χ^2/NDF:1.4/5

+ sign -184.217+/-302.460 χ^2/NDF: 38.7/22

All: -348.934+/-214.093 χ^2/NDF: 63.9/46

- sign -514.334+/-303.087 χ^2/NDF: 24.6/23

asym_usl_dit_correction_rms vs Slug



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

Left Out: 1355.250+/-0.420 χ^2/NDF:269278.0/6

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

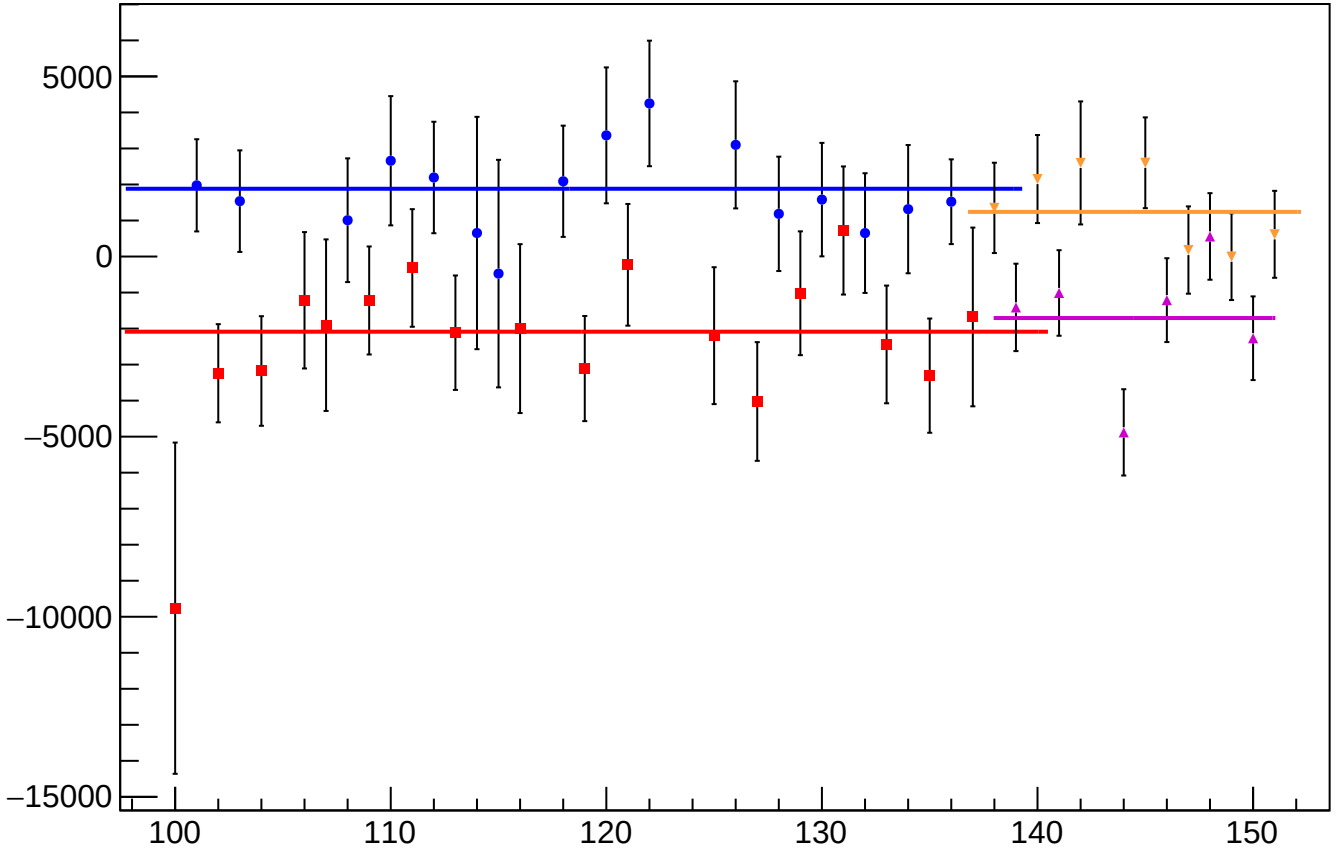
Left In: 1366.180+/-0.427 χ^2/NDF:232892.5/5

+ sign 1022.291+/-0.214 χ^2/NDF: 2194961.8/22

All: 1021.255+/-0.151 χ^2/NDF: 4645104.6/46

- sign 1020.214+/-0.214 χ^2/NDF: 2450095.8/23

eigen_dit_asym_usl_mean vs Slug



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

Left Out: 1239.532+/-480.325 χ^2/NDF:4.5/6

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

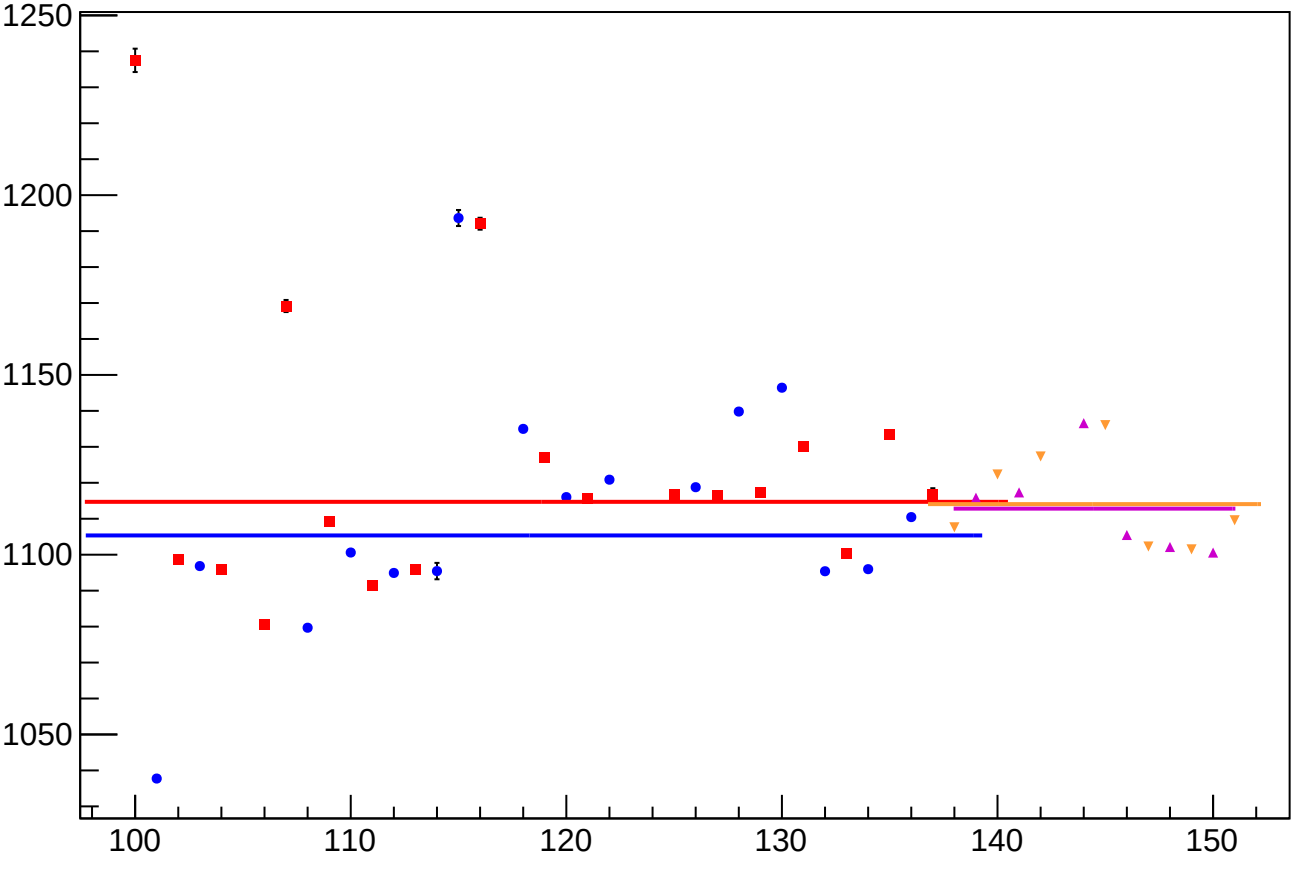
Left In: -1707.152+/-484.690 χ^2/NDF:11.4/5

+ sign 1610.388+/-312.150 χ^2/NDF: 10.7/22

All: -151.942+/-221.156 χ^2/NDF: 98.8/46

- sign -1928.145+/-313.376 χ^2/NDF: 24.1/23

eigen_dit_asym_usl_rms vs Slug



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

Left Out: 1114.069+/-0.340 χ^2/NDF:1307.2/6

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

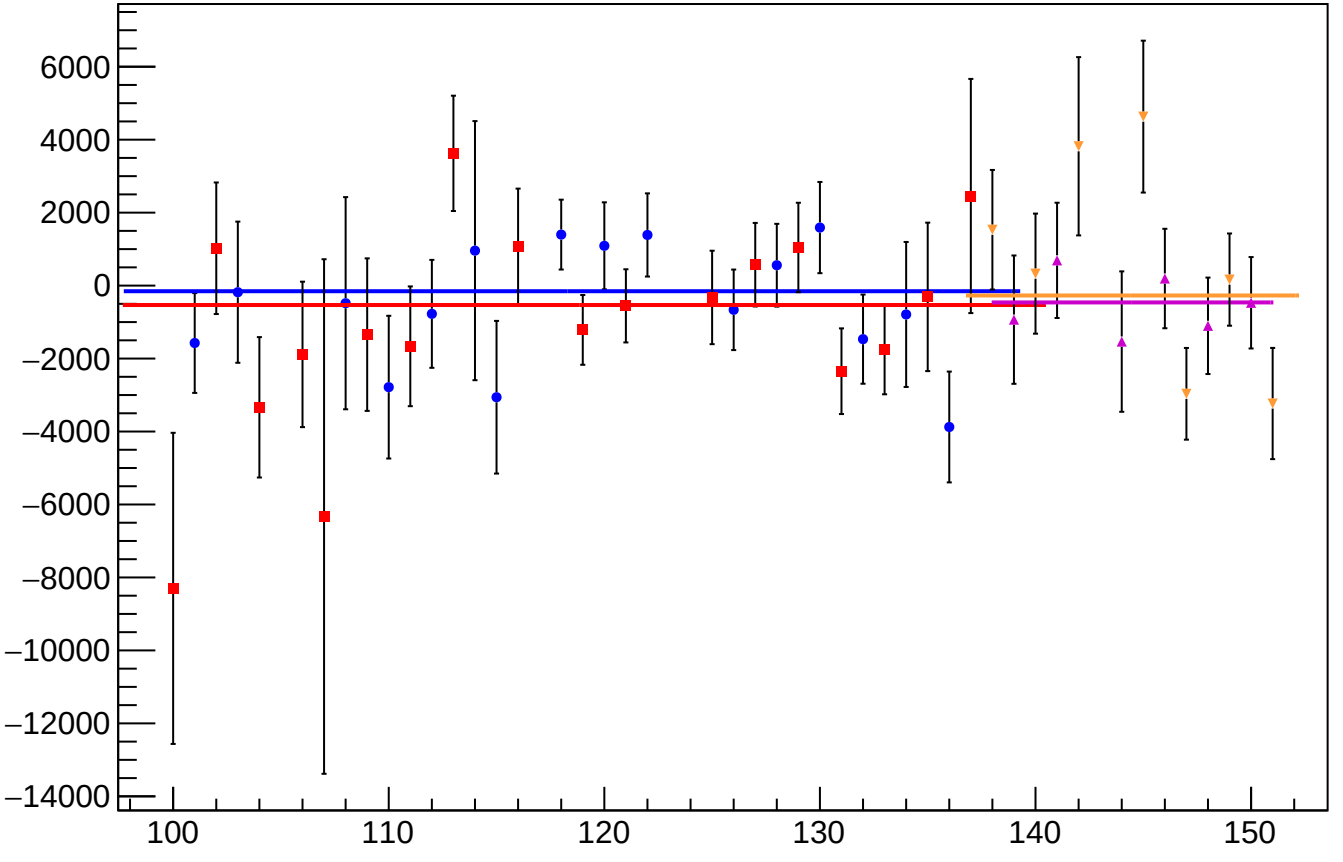
Left In: 1112.812+/-0.343 χ^2/NDF:1287.7/5

+ sign 1109.035+/-0.221 χ^2/NDF: 13018.3/22

All: 1111.465+/-0.156 χ^2/NDF: 21897.4/46

- sign 1113.914+/-0.222 χ^2/NDF: 8635.7/23

asym_usl_eigen_dit_correction_mean vs Slug



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

Left Out: -270.763+/-594.550 χ^2/NDF:18.2/6

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

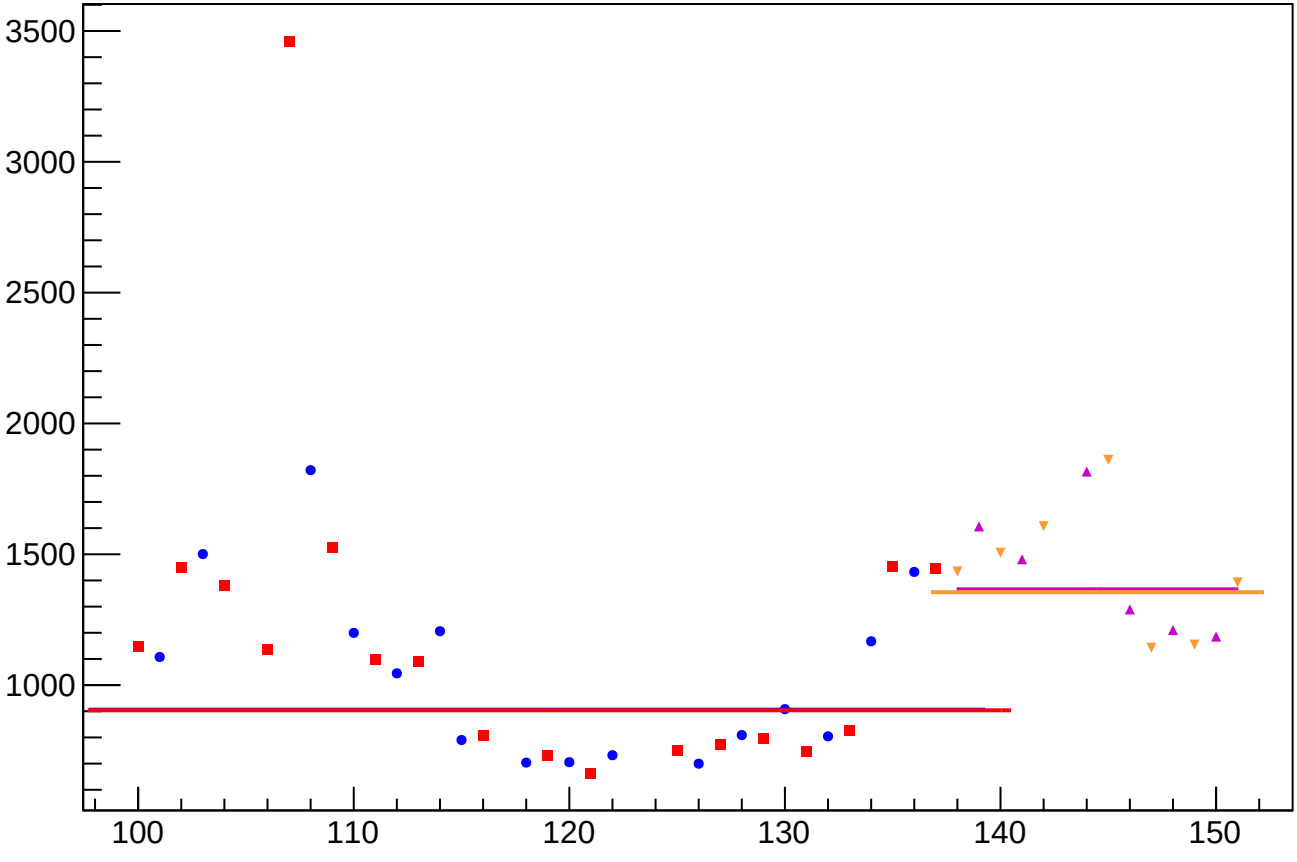
Left In: -461.397+/-603.948 χ^2/NDF:1.4/5

+ sign -184.216+/-302.460 χ^2/NDF: 38.7/22

All: -348.933+/-214.093 χ^2/NDF: 63.9/46

- sign -514.334+/-303.087 χ^2/NDF: 24.6/23

asym_usl_eigen_dit_correction_rms vs Slug



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

Left Out: 1355.252+/-0.420 χ^2/NDF:269276.6/6

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

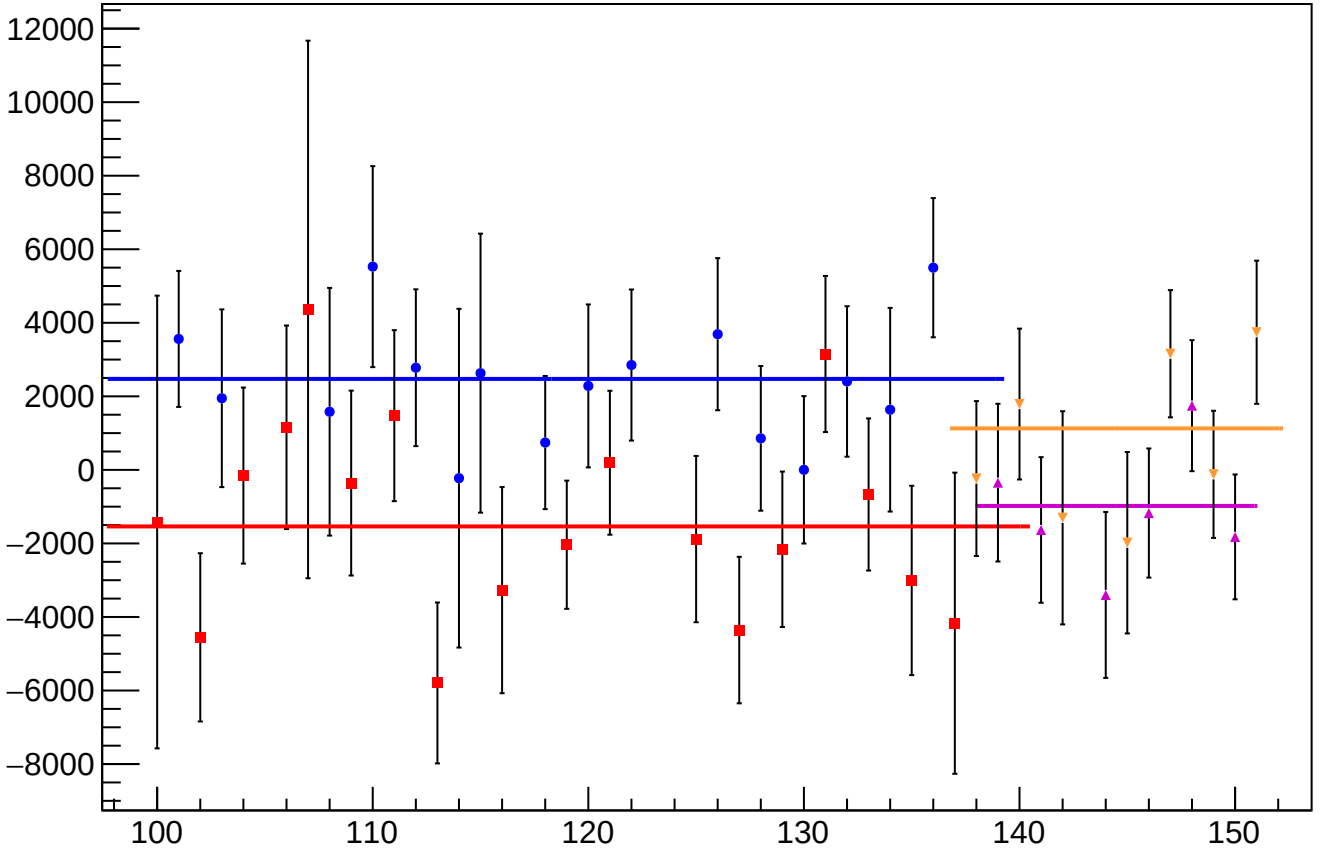
Left In: 1366.183+/-0.427 χ^2/NDF:232891.4/5

+ sign 1022.290+/-0.214 χ^2/NDF: 2194980.3/22

All: 1021.254+/-0.151 χ^2/NDF: 4645140.9/46

- sign 1020.213+/-0.214 χ^2/NDF: 2450113.6/23

asym_usl_mean vs Slug



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

Left Out: 1128.005+/-771.807 χ^2/NDF:6.5/6

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

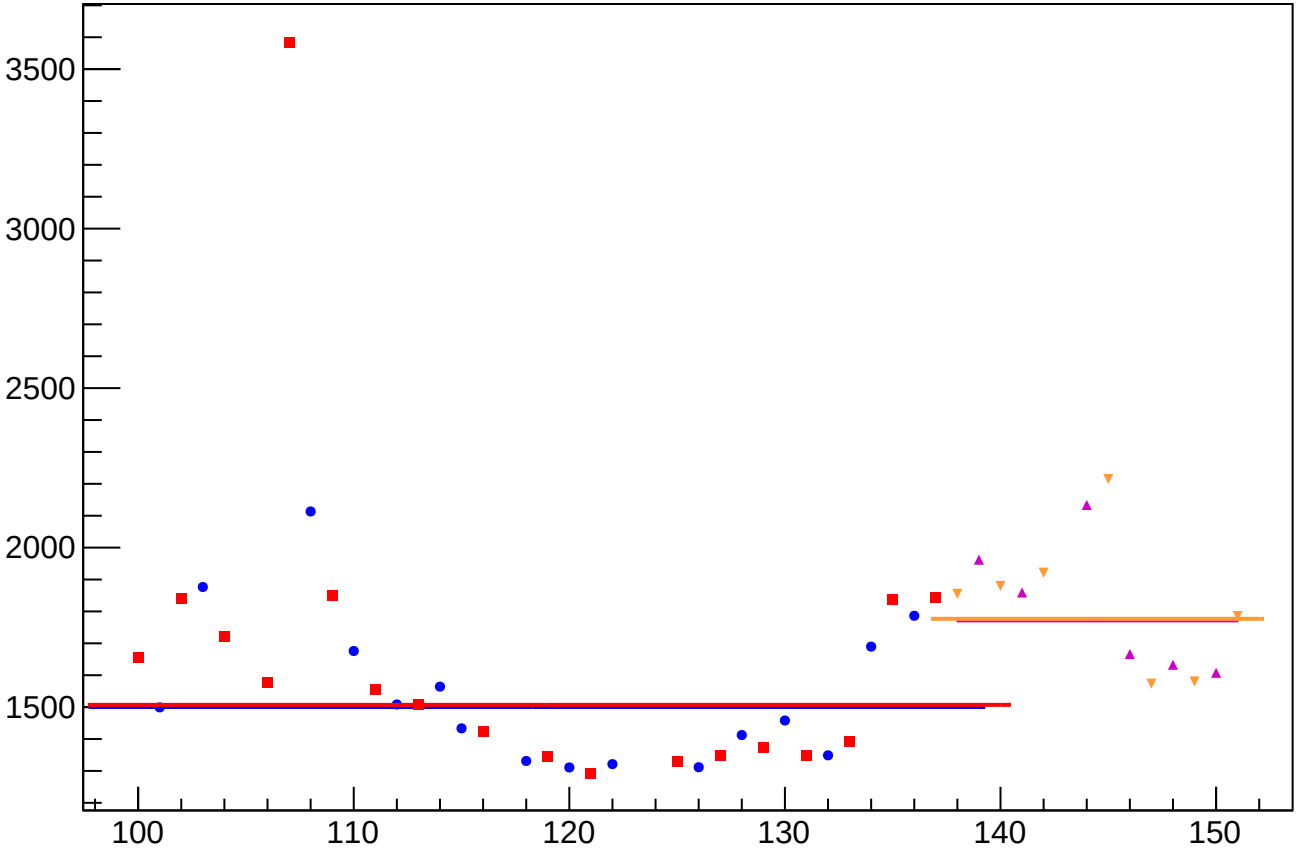
Left In: -980.127+/-777.274 χ^2/NDF:3.9/5

+ sign 2006.794+/-454.738 χ^2/NDF: 16.7/22

All: 336.264+/-322.082 χ^2/NDF: 66.6/46

- sign -1345.411+/-456.252 χ^2/NDF: 22.8/23

asym_usl_rms vs Slug



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

Left Out: 1776.858+/-0.546 χ^2/NDF:129394.8/6

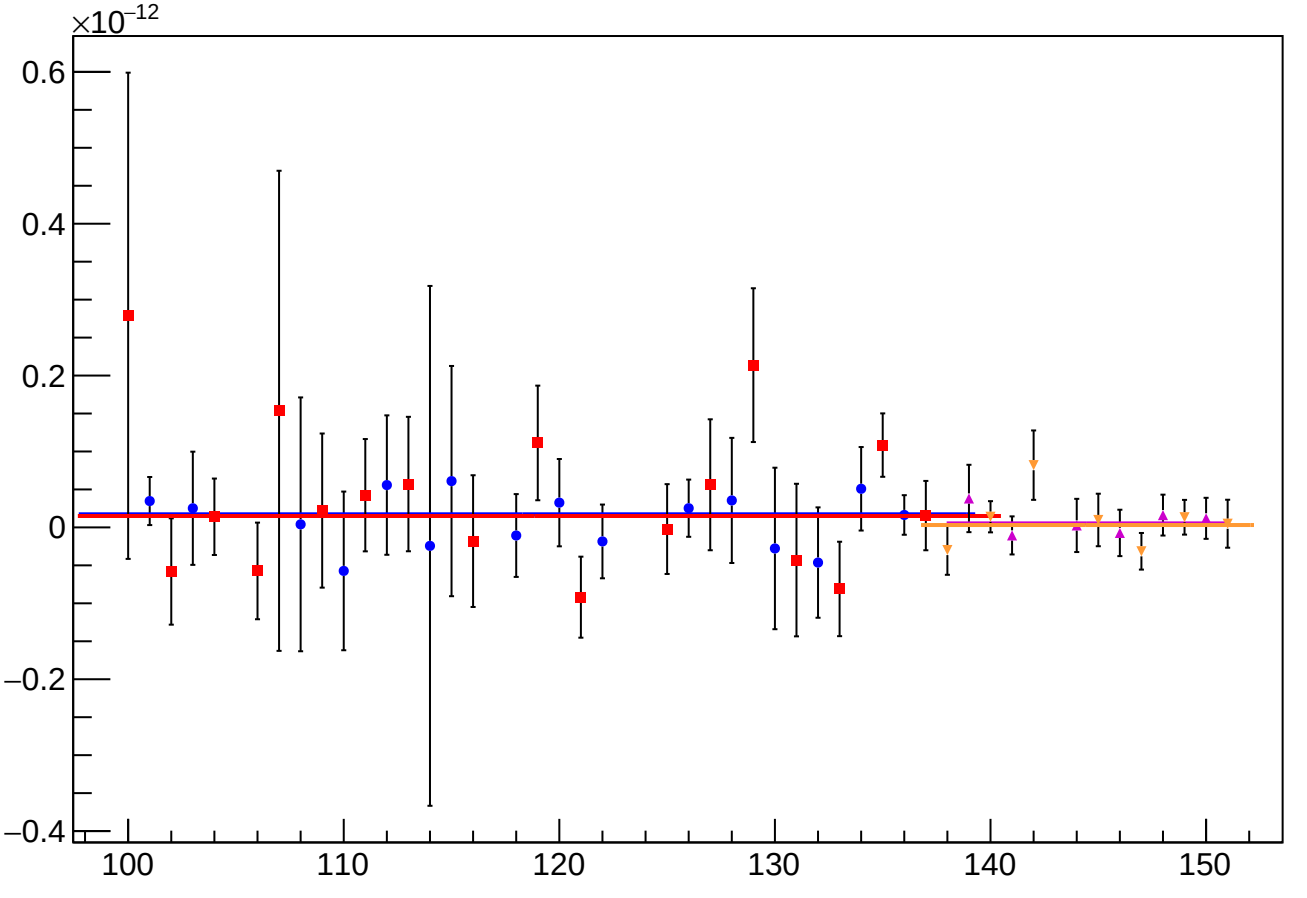
Right Out: 1507.098+/-0.398 χ^2/NDF: 401227.7/17

Left In: 1771.838+/-0.550 χ^2/NDF:109184.6/5

+ sign 1596.355+/-0.322 χ^2/NDF: 555745.1/22

All: 1597.332+/-0.228 χ^2/NDF: 1218249.7/46

- sign 1598.316+/-0.323 χ^2/NDF: 662486.1/23



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

Left Out: 0.000+/-0.000 χ^2/NDF:6.6/6

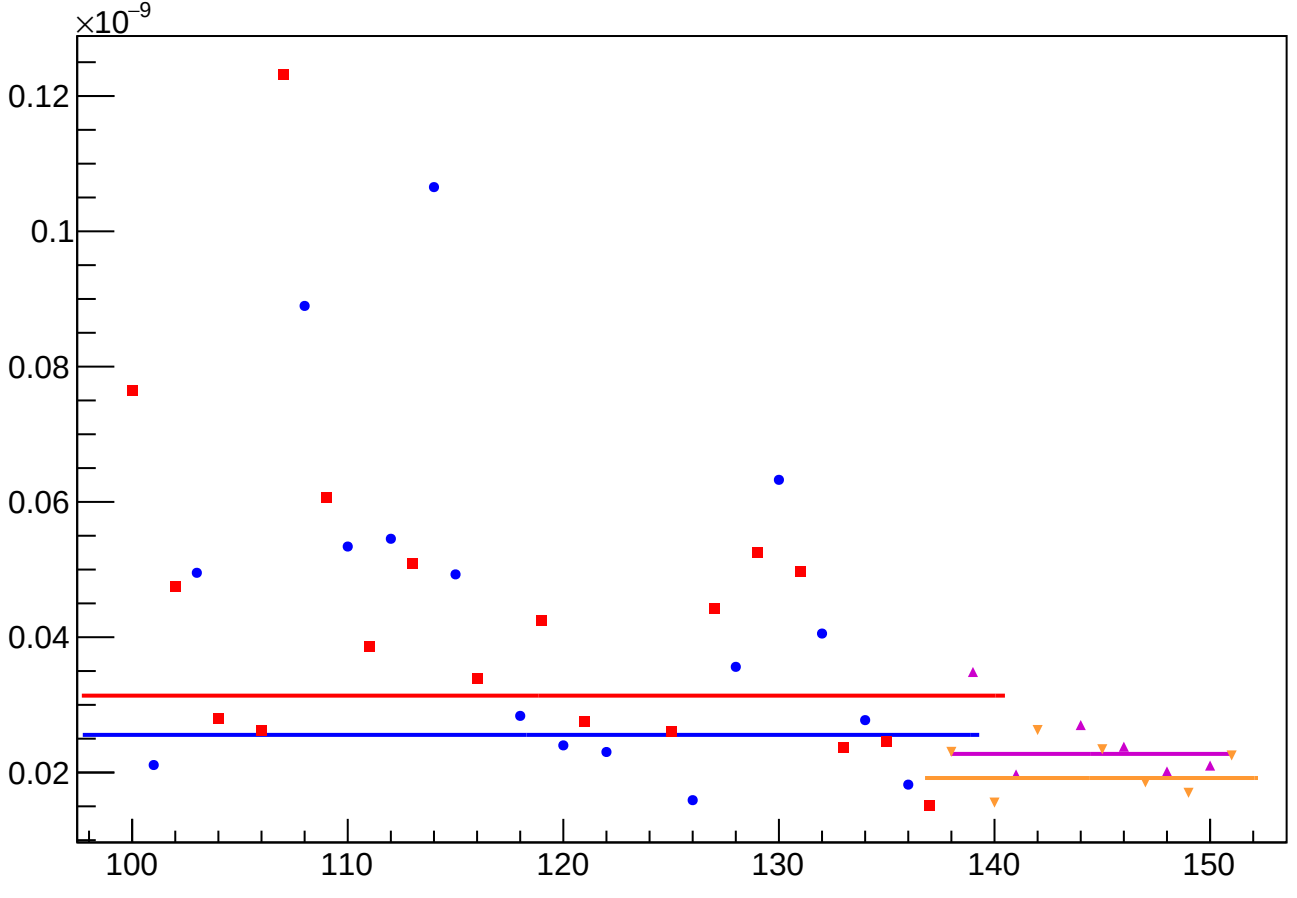
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/17

Left In: 0.000+/-0.000 χ^2/NDF:1.3/5

+ sign 0.000+/-0.000 χ^2/NDF: 10.7/22

All: 0.000+/-0.000 χ^2/NDF: 33.5/46

- sign 0.000+/-0.000 χ^2/NDF: 22.9/23



Right In: 0.000+/-0.000 χ^2/NDF: 1707801.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:210981.1/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1228078.8/17

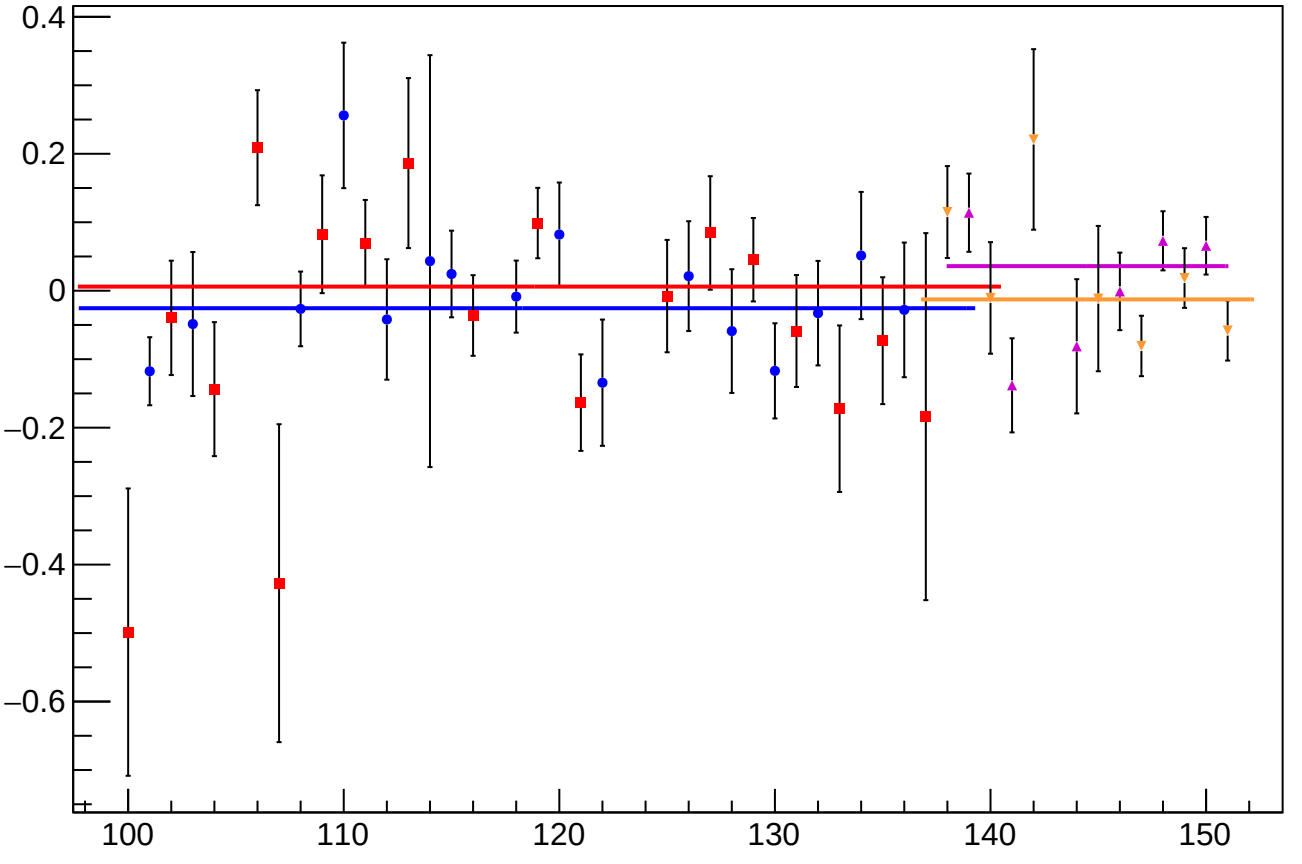
Left In: 0.000+/-0.000 χ^2/NDF:237118.0/5

+ sign 0.000+/-0.000 χ^2/NDF: 2198221.4/22

All: 0.000+/-0.000 χ^2/NDF: 4258811.6/46

- sign 0.000+/-0.000 χ^2/NDF: 1829109.1/23

asym_usl_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.013+/-0.022 χ^2/NDF:10.7/6

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

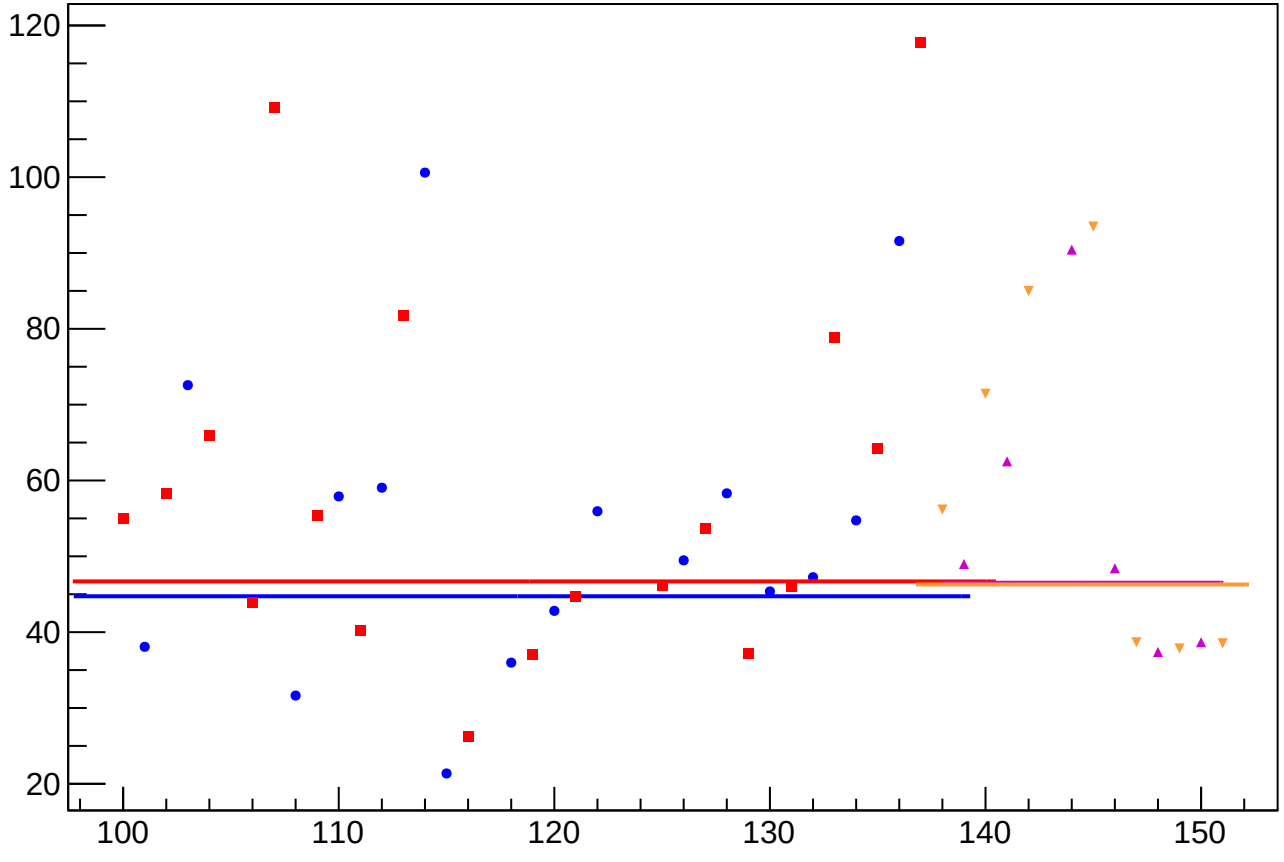
Left In: 0.036+/-0.022 χ^2/NDF:11.4/5

+ sign -0.020+/-0.014 χ^2/NDF: 28.5/22

All: -0.001+/-0.010 χ^2/NDF: 81.1/46

- sign 0.019+/-0.015 χ^2/NDF: 48.9/23

asym_usl_dit_vs_cor_diff_rms vs Slug



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

Left Out: 46.286+/-0.016 χ^2/NDF:998512.5/6

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

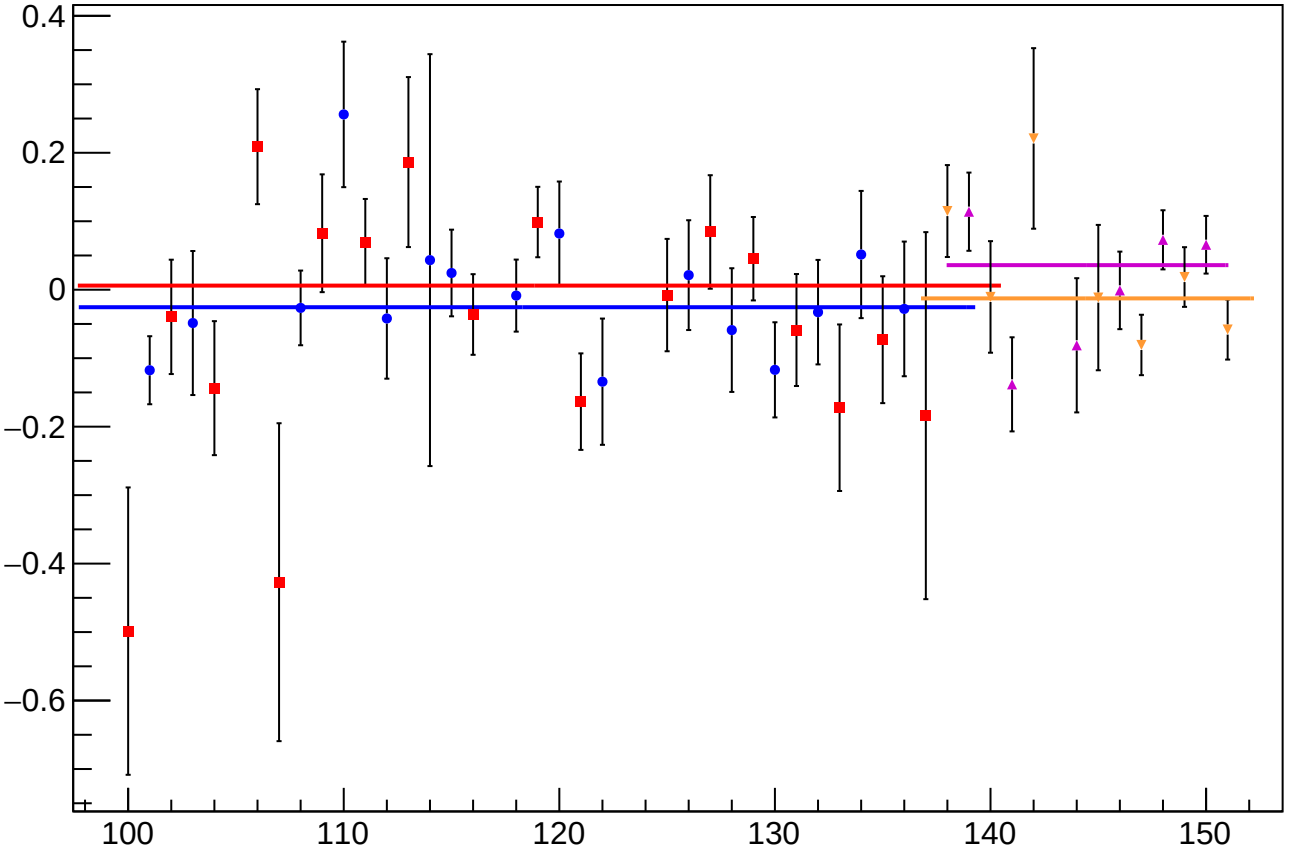
Left In: 46.517+/-0.016 χ^2/NDF:675184.4/5

+ sign 45.389+/-0.010 χ^2/NDF: 2338839.5/22

All: 45.988+/-0.007 χ^2/NDF: 4216775.7/46

- sign 46.615+/-0.010 χ^2/NDF: 1870718.7/23

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



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

Left Out: -0.013+/-0.022 χ^2/NDF:10.7/6

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

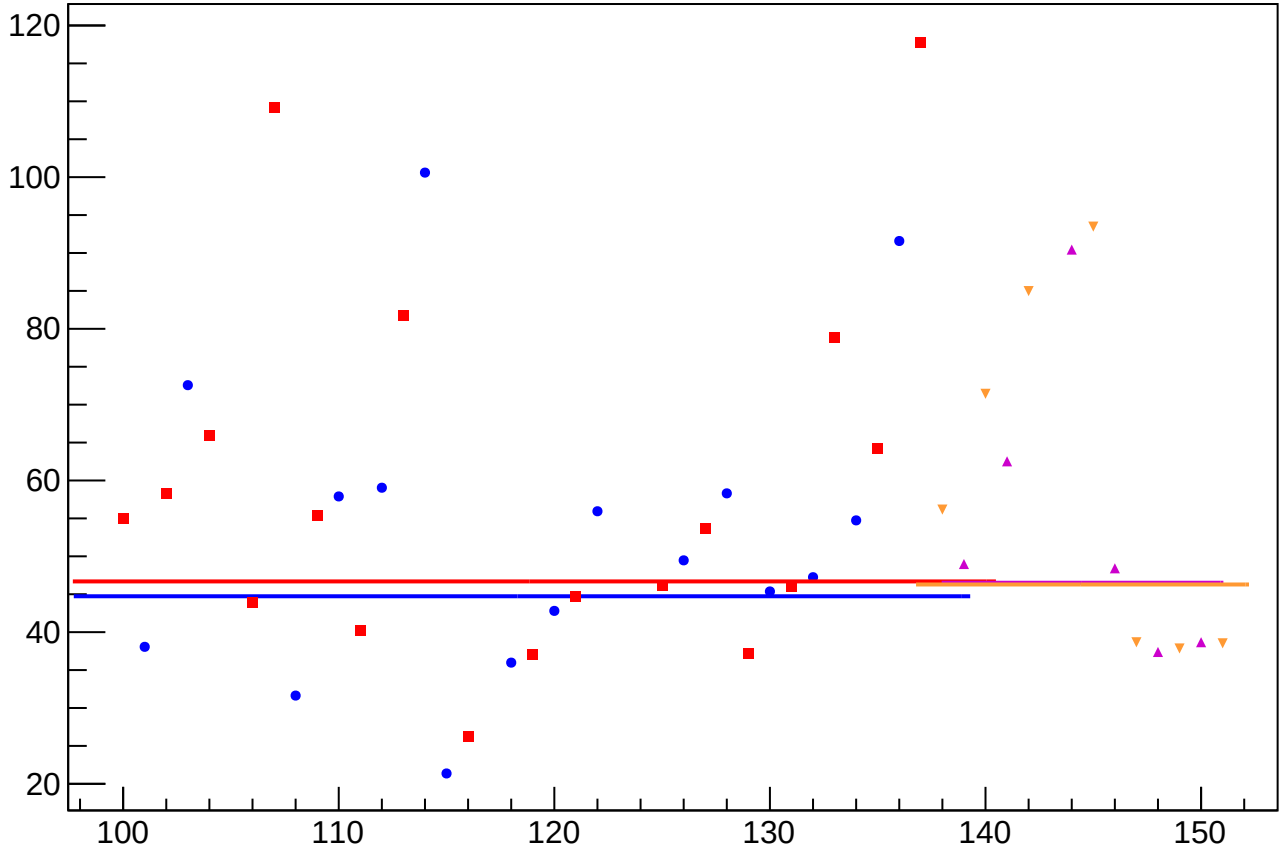
Left In: 0.036+/-0.022 χ^2/NDF:11.4/5

+ sign -0.020+/-0.014 χ^2/NDF: 28.5/22

All: -0.001+/-0.010 χ^2/NDF: 81.1/46

- sign 0.019+/-0.015 χ^2/NDF: 48.9/23

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



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

Left Out: 46.286+/-0.016 χ^2/NDF:998512.5/6

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

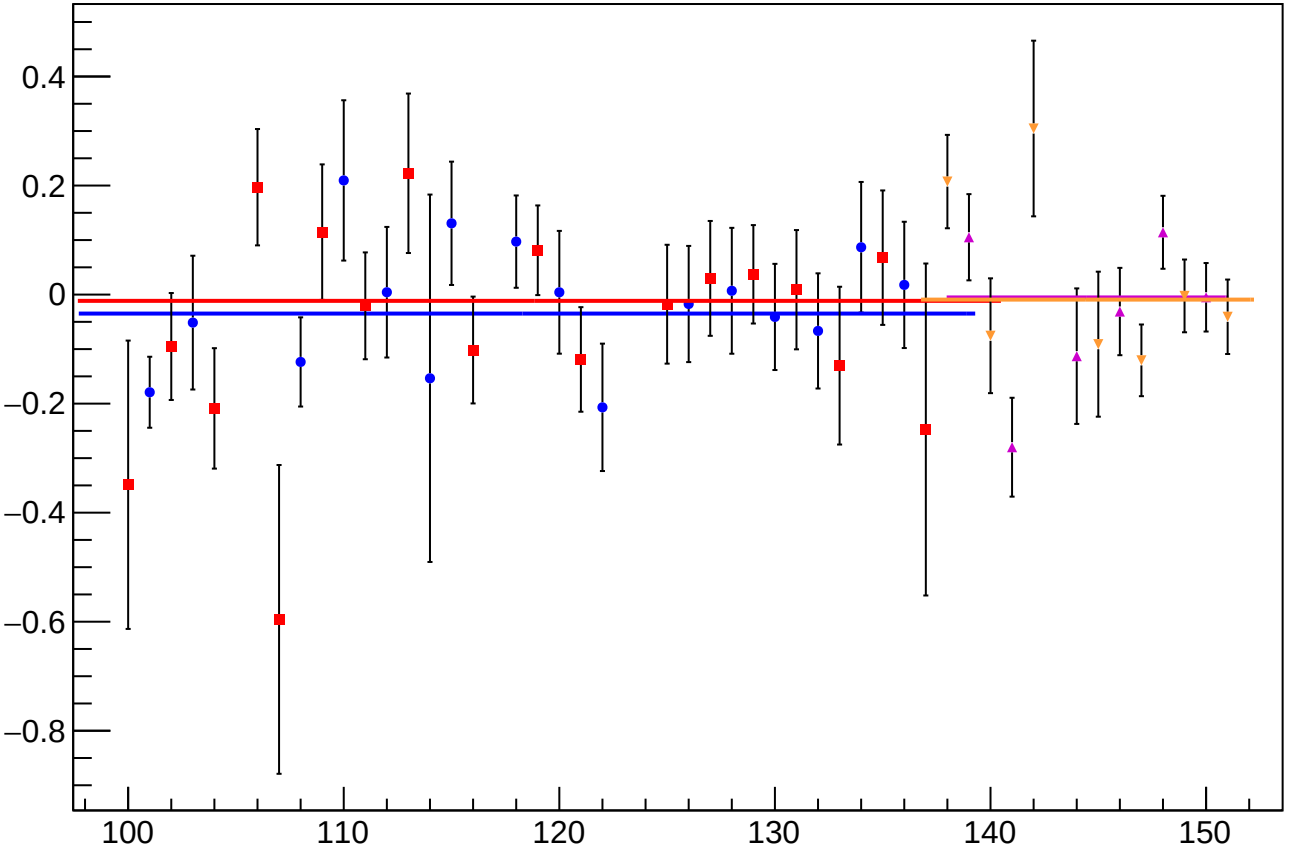
Left In: 46.517+/-0.016 χ^2/NDF:675184.4/5

+ sign 45.389+/-0.010 χ^2/NDF: 2338839.5/22

All: 45.988+/-0.007 χ^2/NDF: 4216775.7/46

- sign 46.615+/-0.010 χ^2/NDF: 1870718.7/23

asym_usl_dit_vs_overload_cor_diff_mean vs Slug



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

Left Out: -0.009+/-0.032 χ^2/NDF:14.1/6

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

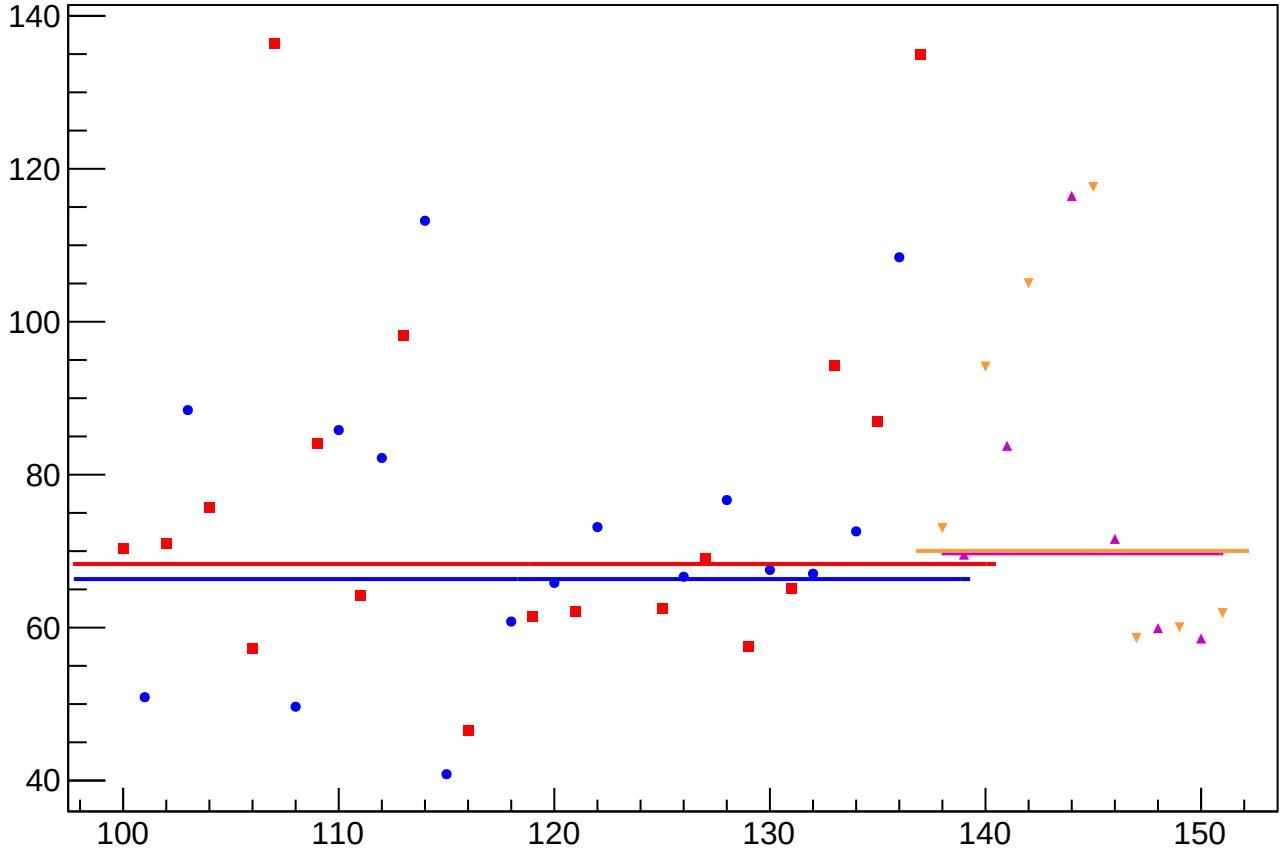
Left In: -0.005+/-0.032 χ^2/NDF:15.2/5

+ sign -0.024+/-0.020 χ^2/NDF: 31.9/22

All: -0.017+/-0.014 χ^2/NDF: 70.1/46

- sign -0.009+/-0.021 χ^2/NDF: 38.0/23

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



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

Left Out: 70.028+/-0.022 χ^2/NDF:590754.9/6

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

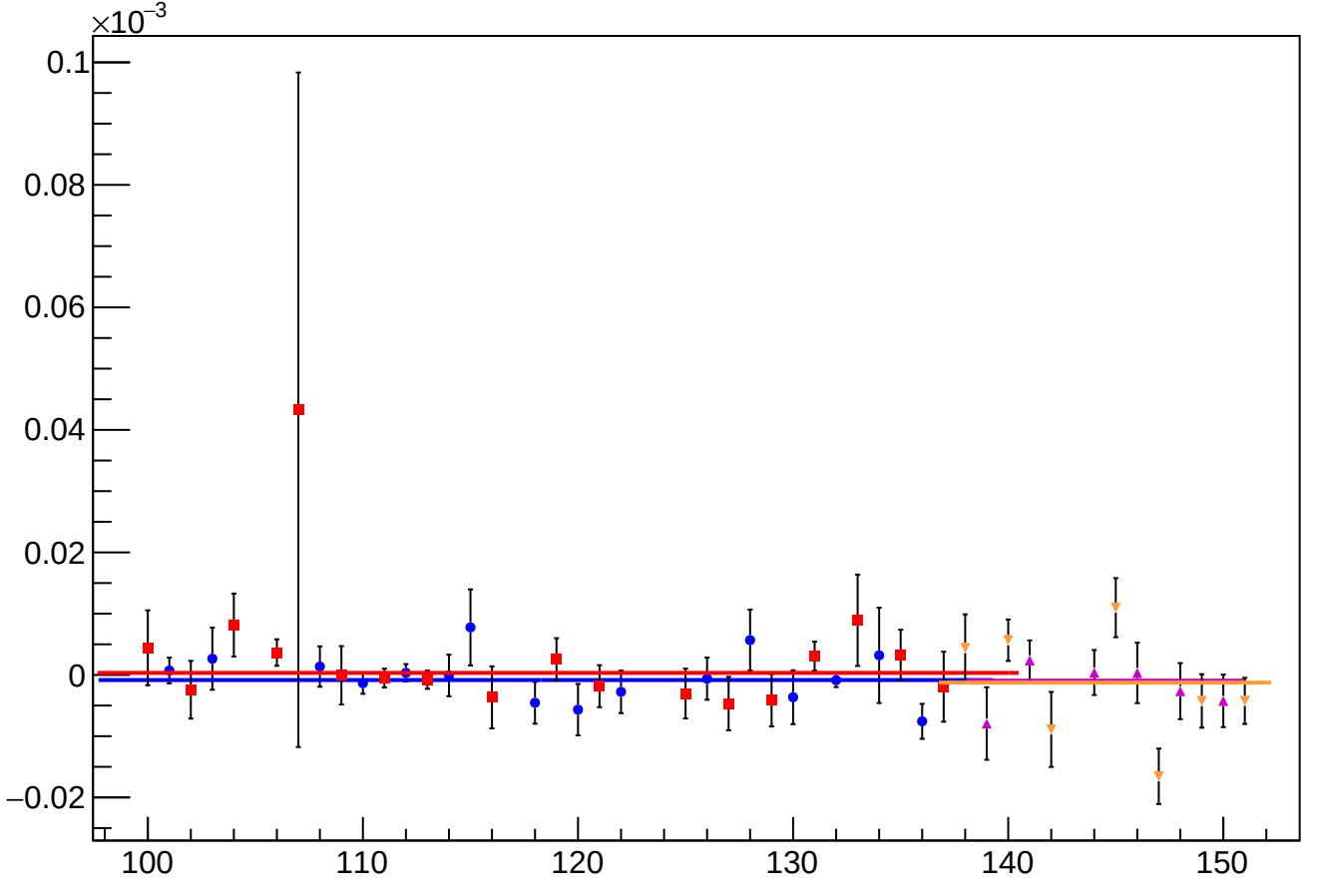
Left In: 69.712+/-0.023 χ^2/NDF:437642.3/5

+ sign 67.844+/-0.014 χ^2/NDF: 1379348.5/22

All: 68.362+/-0.010 χ^2/NDF: 2451544.1/46

- sign 68.898+/-0.015 χ^2/NDF: 1069526.0/23

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:25.8/6

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

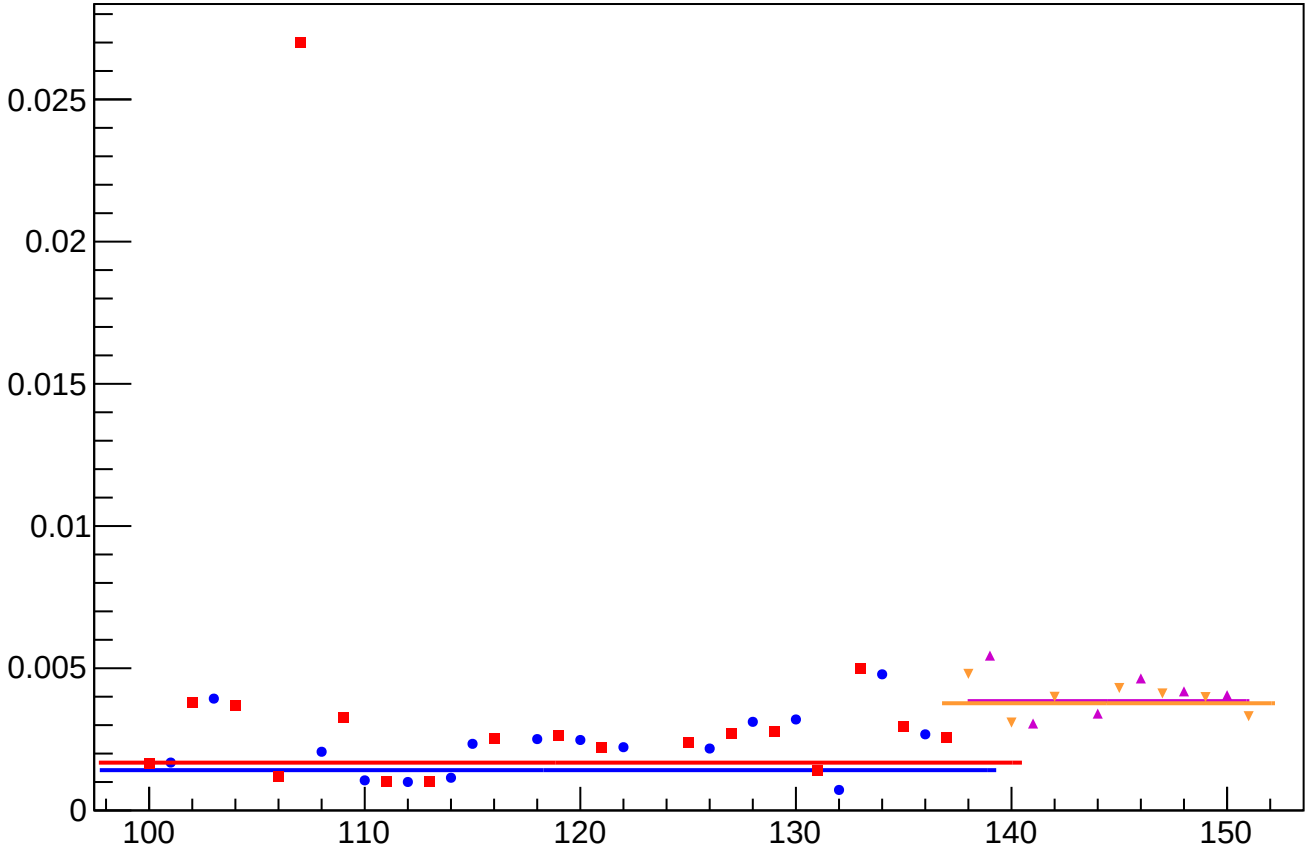
Left In: -0.000+/-0.000 χ^2/NDF:3.4/5

+ sign -0.000+/-0.000 χ^2/NDF: 40.8/22

All: -0.000+/-0.000 χ^2/NDF: 60.8/46

- sign 0.000+/-0.000 χ^2/NDF: 18.6/23

asym_usl_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 3547259.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:224725.6/6

Right Out: 0.002+/-0.000 χ^2/NDF: 3427218.5/17

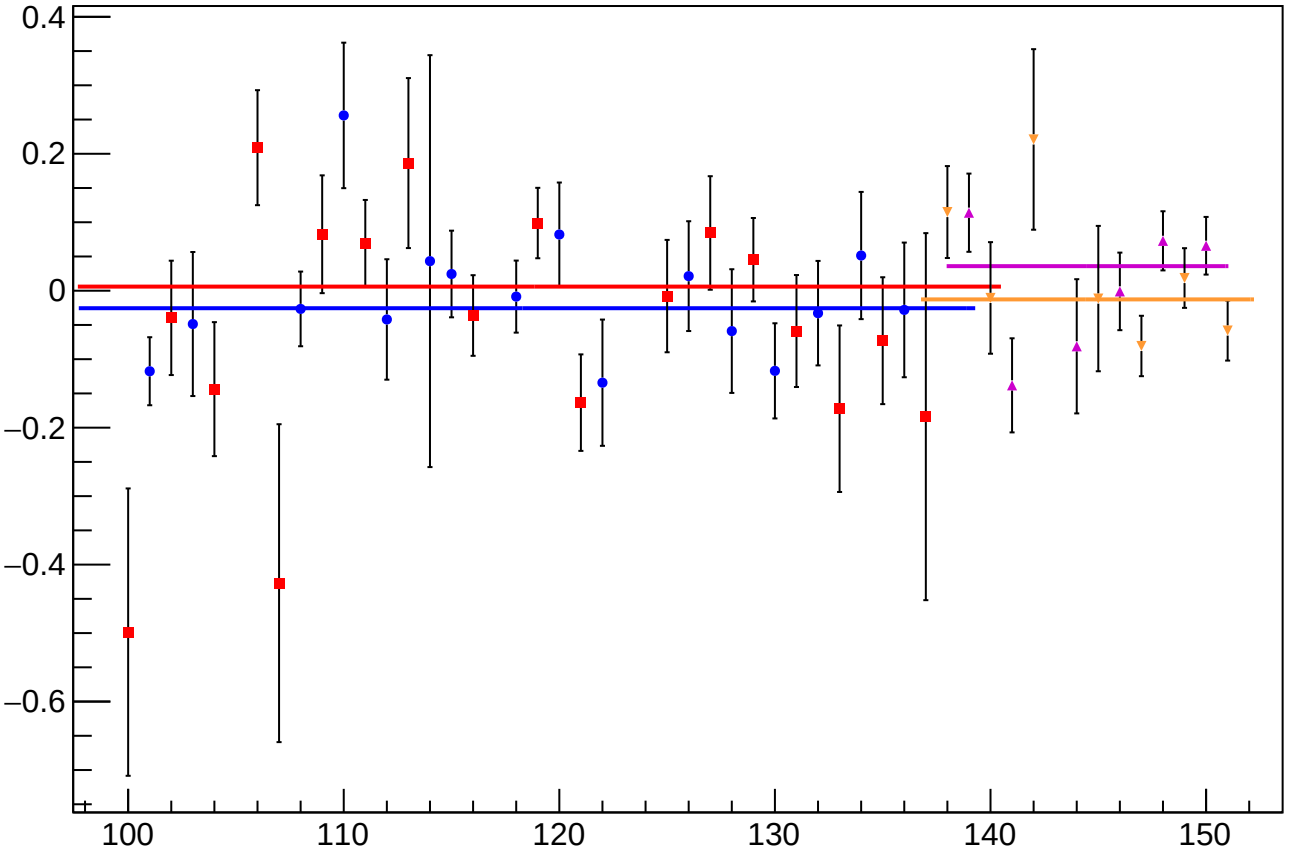
Left In: 0.004+/-0.000 χ^2/NDF:359225.0/5

+ sign 0.002+/-0.000 χ^2/NDF: 7296861.4/22

All: 0.002+/-0.000 χ^2/NDF: 14023226.7/46

- sign 0.002+/-0.000 χ^2/NDF: 6484494.8/23

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.013+/-0.022 χ^2/NDF:10.7/6

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

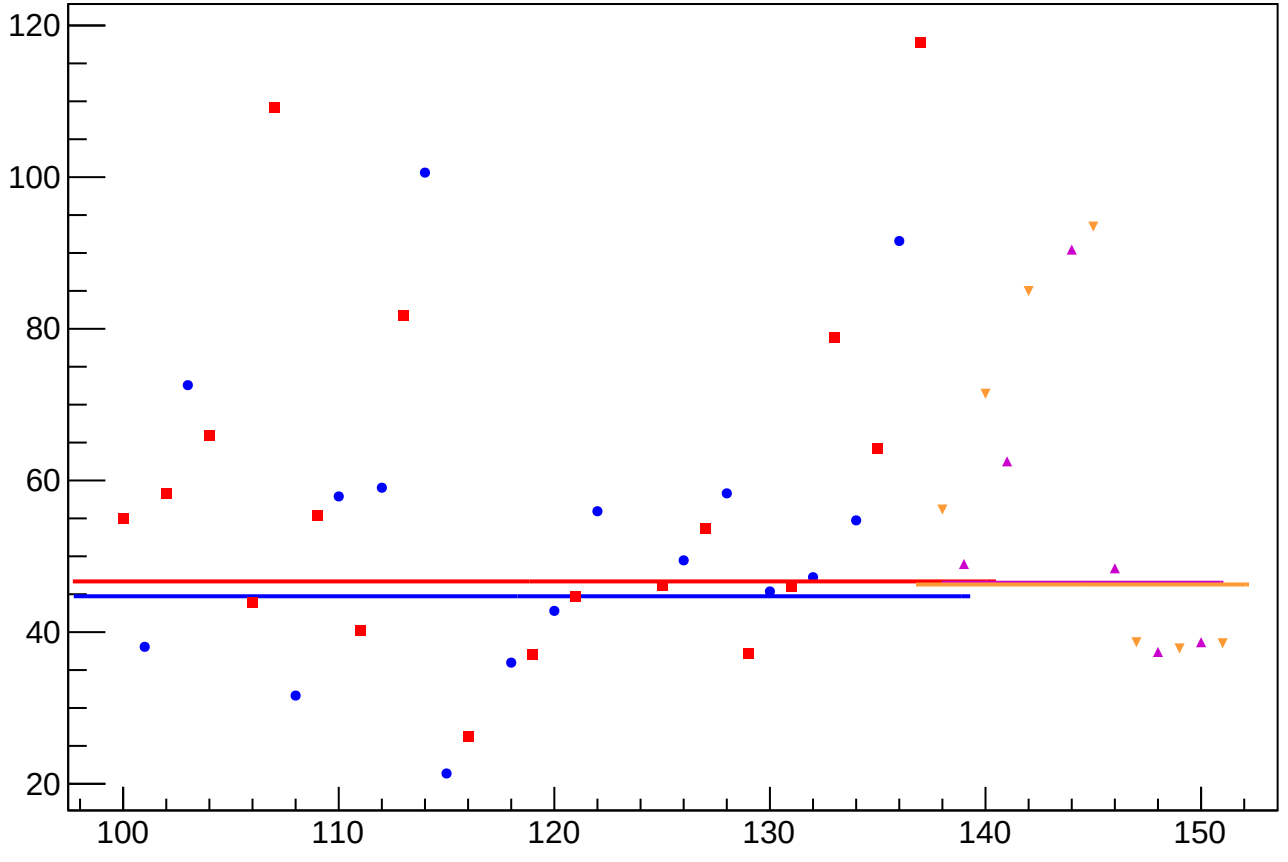
Left In: 0.036+/-0.022 χ^2/NDF:11.4/5

+ sign -0.020+/-0.014 χ^2/NDF: 28.5/22

All: -0.001+/-0.010 χ^2/NDF: 81.1/46

- sign 0.019+/-0.015 χ^2/NDF: 48.9/23

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 46.286+/-0.016 χ^2/NDF:998455.6/6

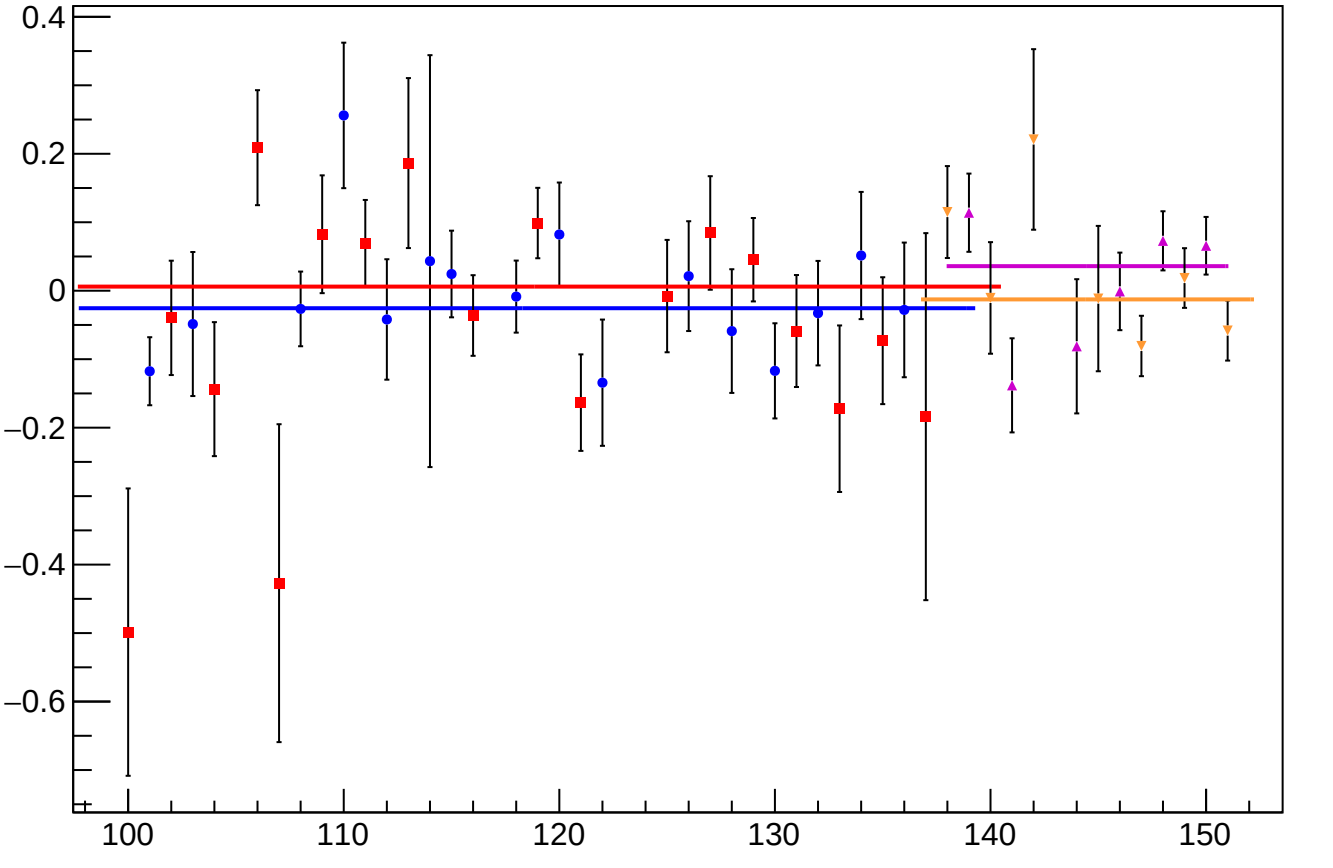
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 46.517+/-0.016 χ^2/NDF:675141.0/5

+ sign 45.389+/-0.010 χ^2/NDF: 2338856.7/22

All: 45.988+/-0.007 χ^2/NDF: 4216788.5/46

- sign 46.615+/-0.010 χ^2/NDF: 1870713.6/23



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

Left Out: -0.013+/-0.022 χ^2/NDF:10.7/6

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

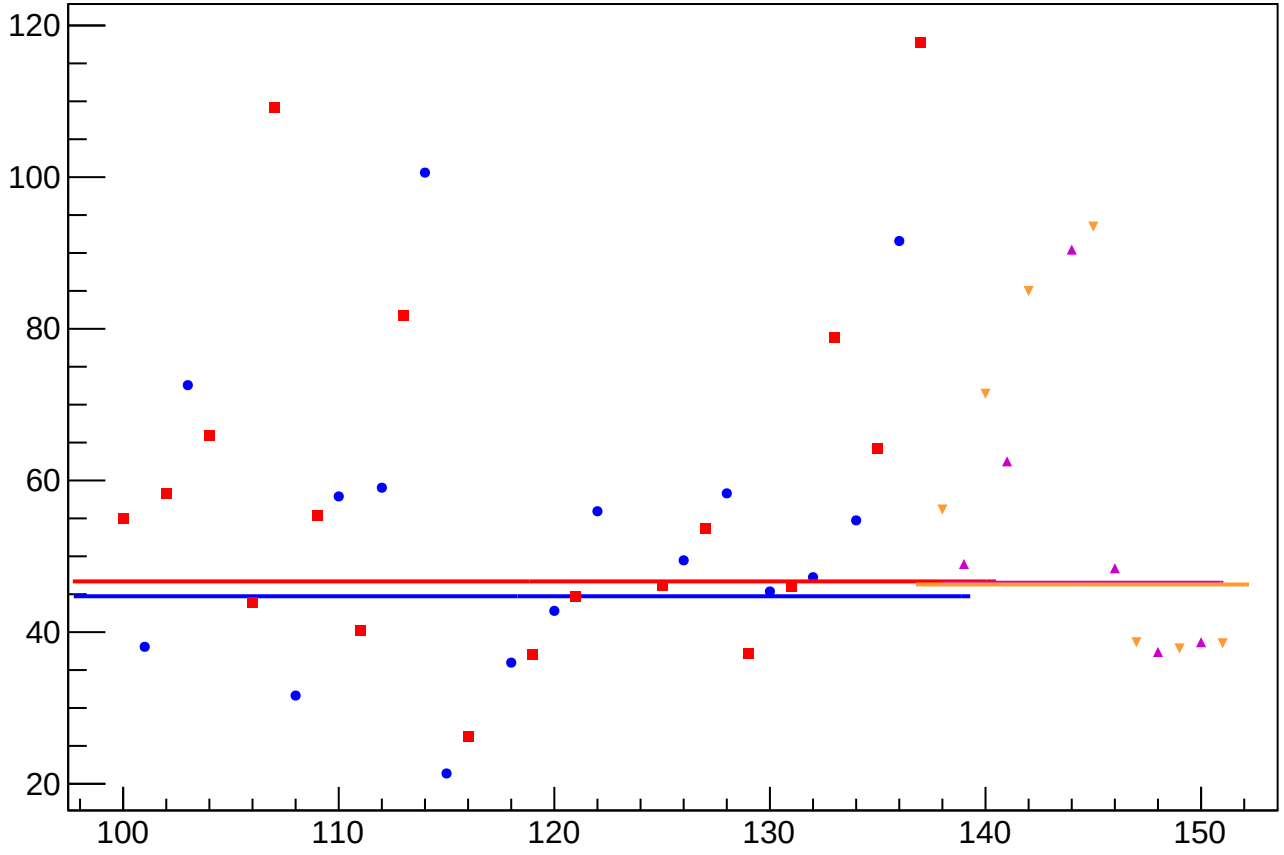
Left In: 0.036+/-0.022 χ^2/NDF:11.4/5

+ sign -0.020+/-0.014 χ^2/NDF: 28.5/22

All: -0.001+/-0.010 χ^2/NDF: 81.1/46

- sign 0.019+/-0.015 χ^2/NDF: 48.9/23

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: 46.286+/-0.016 χ^2/NDF:998455.6/6

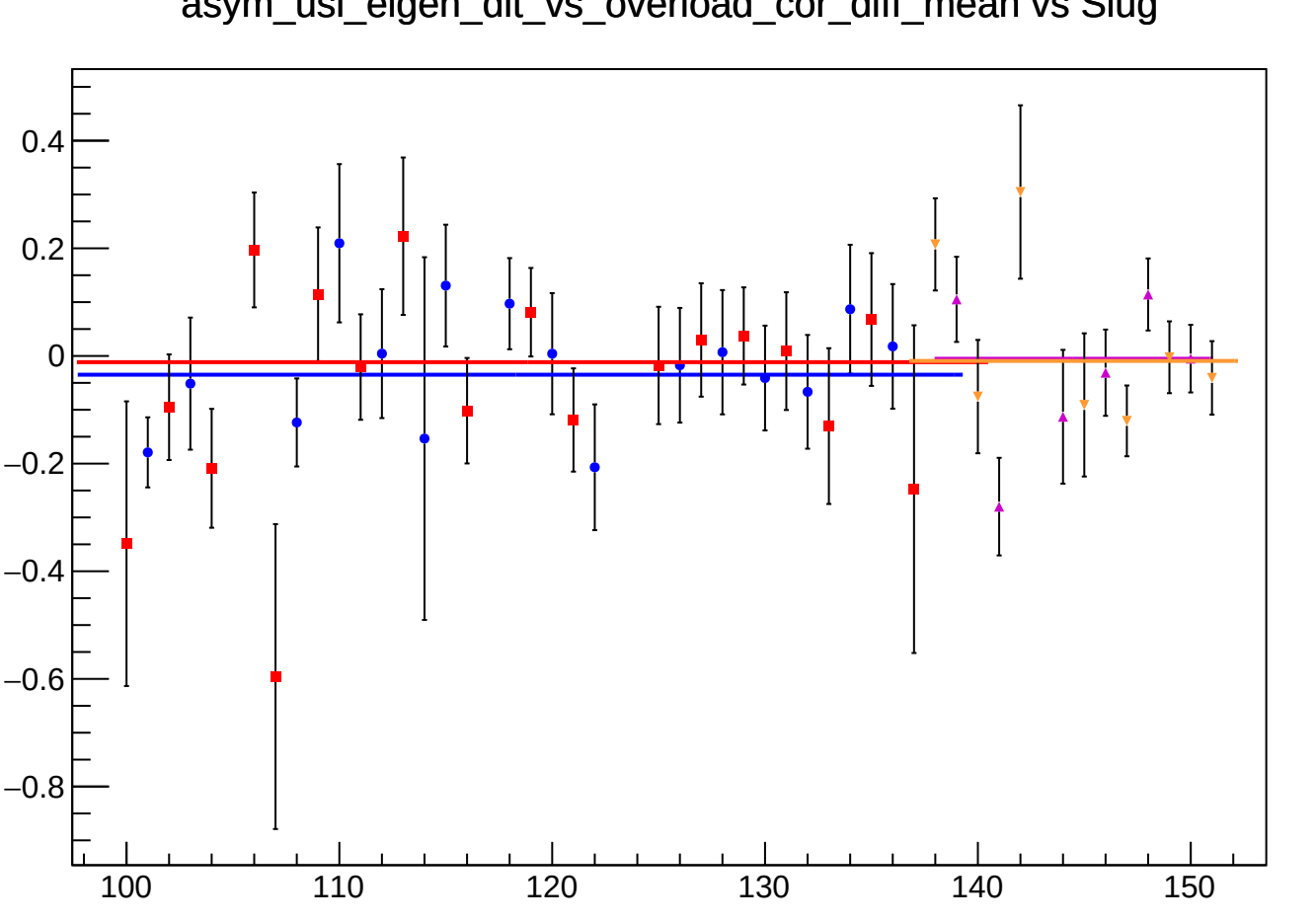
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

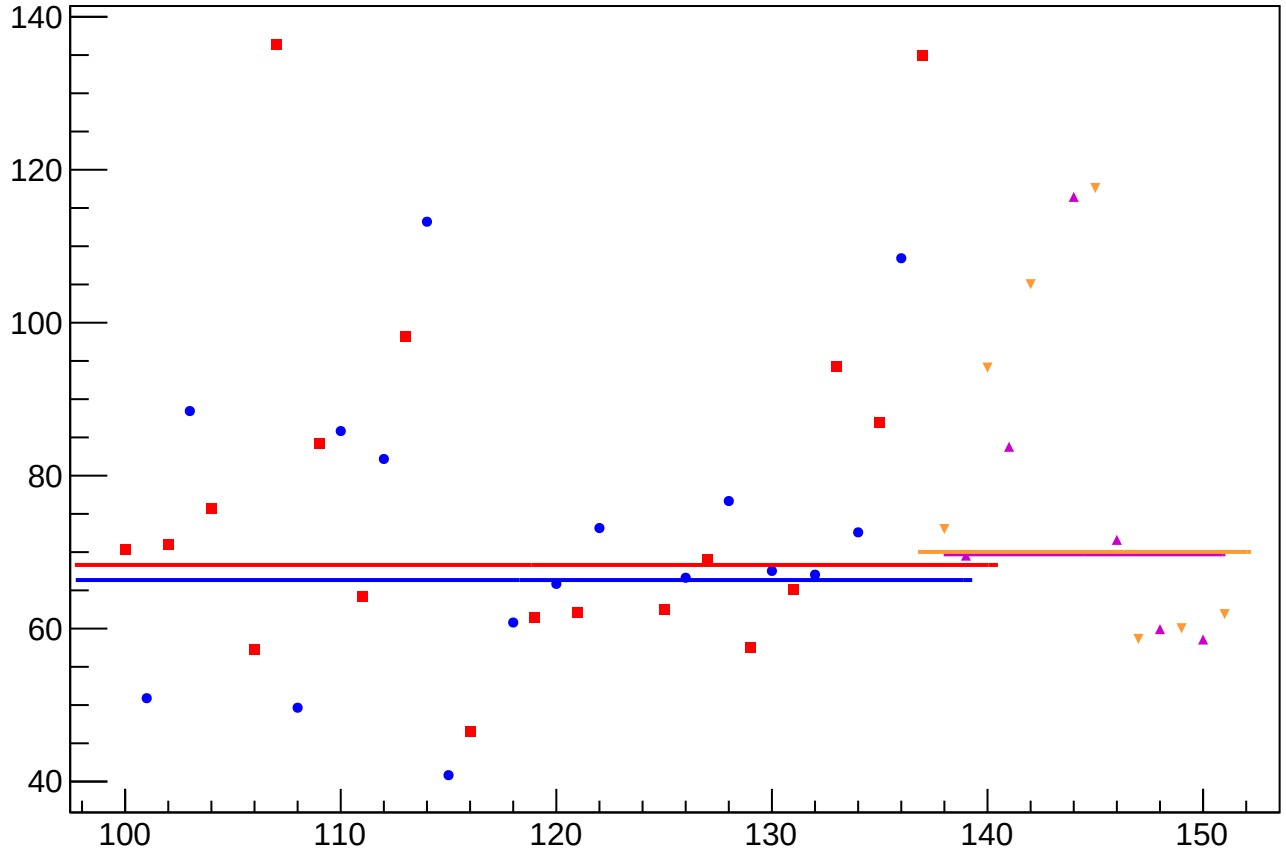
Left In: 46.517+/-0.016 χ^2/NDF:675141.0/5

+ sign 45.389+/-0.010 χ^2/NDF: 2338856.7/22

All: 45.988+/-0.007 χ^2/NDF: 4216788.5/46

- sign 46.615+/-0.010 χ^2/NDF: 1870713.6/23


asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
Right In: -0.035+/-0.026 χ²/NDF: 17.4/15
Left Out: -0.009+/-0.032 χ²/NDF:14.1/6
Right Out: -0.012+/-0.027 χ²/NDF: 22.8/17
Left In: -0.005+/-0.032 χ²/NDF:15.2/5
+ sign -0.024+/-0.020 χ²/NDF: 31.9/22
All: -0.017+/-0.014 χ²/NDF: 70.1/46
- sign -0.009+/-0.021 χ²/NDF: 38.0/23



Right In: 66.348+/-0.019 χ^2/NDF: 772660.4/15

Left Out: 70.028+/-0.022 χ^2/NDF:590735.7/6

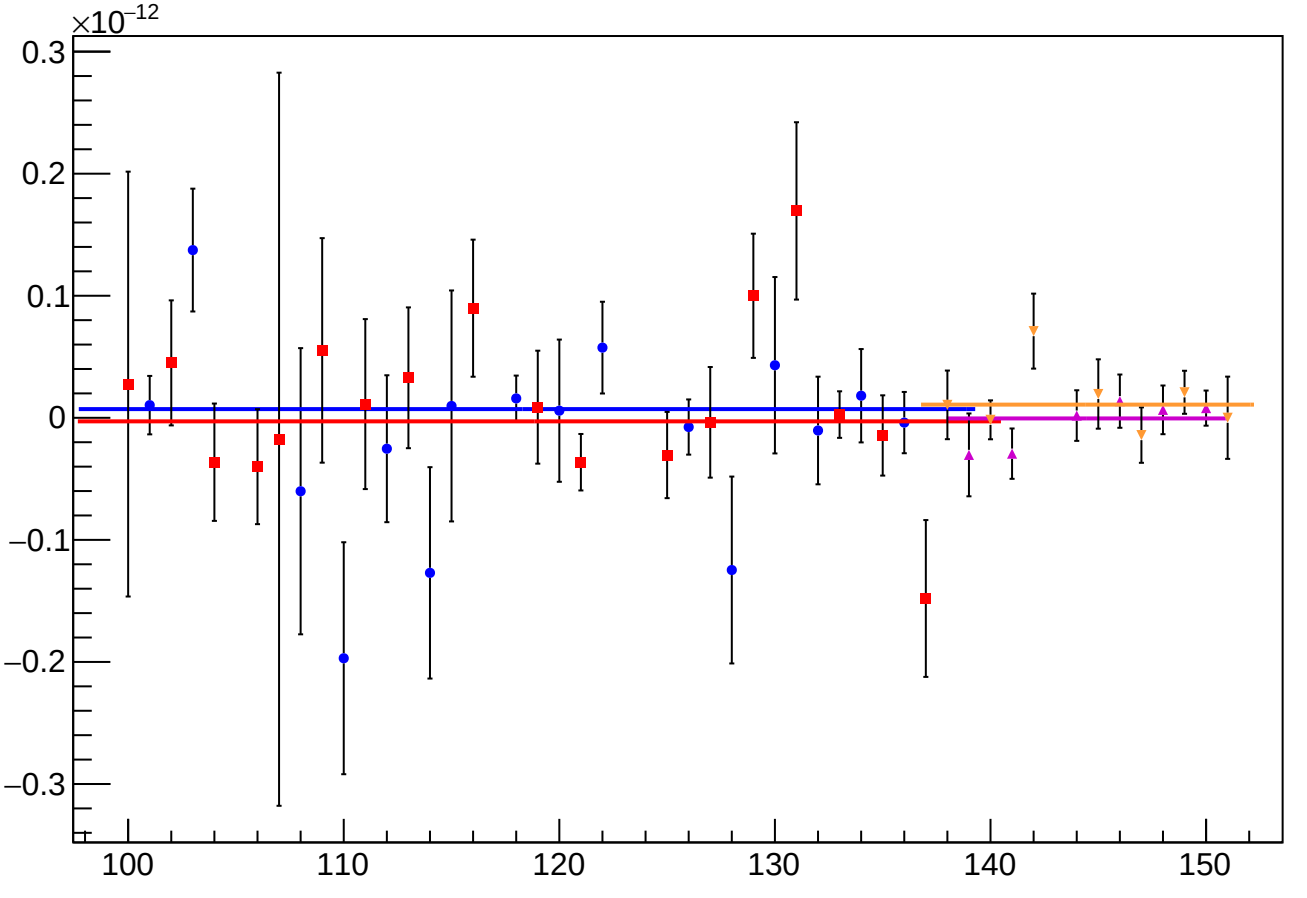
Right Out: 68.321+/-0.019 χ^2/NDF: 629665.7/17

Left In: 69.712+/-0.023 χ^2/NDF:437628.3/5

+ sign 67.843+/-0.014 χ^2/NDF: 1379343.5/22

All: 68.362+/-0.010 χ^2/NDF: 2451524.1/46

- sign 68.898+/-0.015 χ^2/NDF: 1069511.4/23



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.2/6

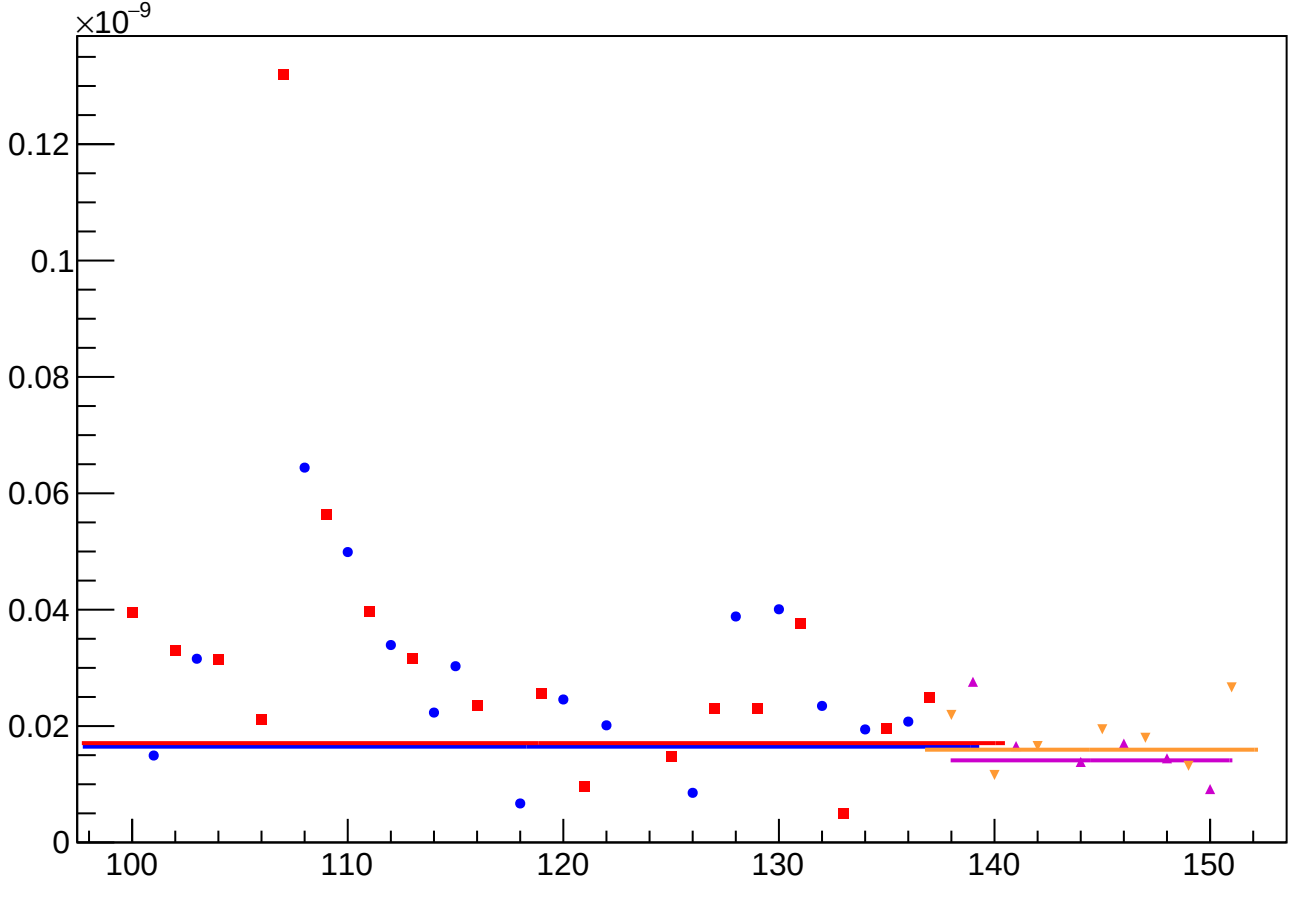
Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/17

Left In: -0.000+/-0.000 χ^2/NDF:3.6/5

+ sign 0.000+/-0.000 χ^2/NDF: 26.7/22

All: 0.000+/-0.000 χ^2/NDF: 55.2/46

- sign -0.000+/-0.000 χ^2/NDF: 27.0/23



Right In: 0.000+/-0.000 χ^2/NDF: 2345888.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:537604.2/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2791354.7/17

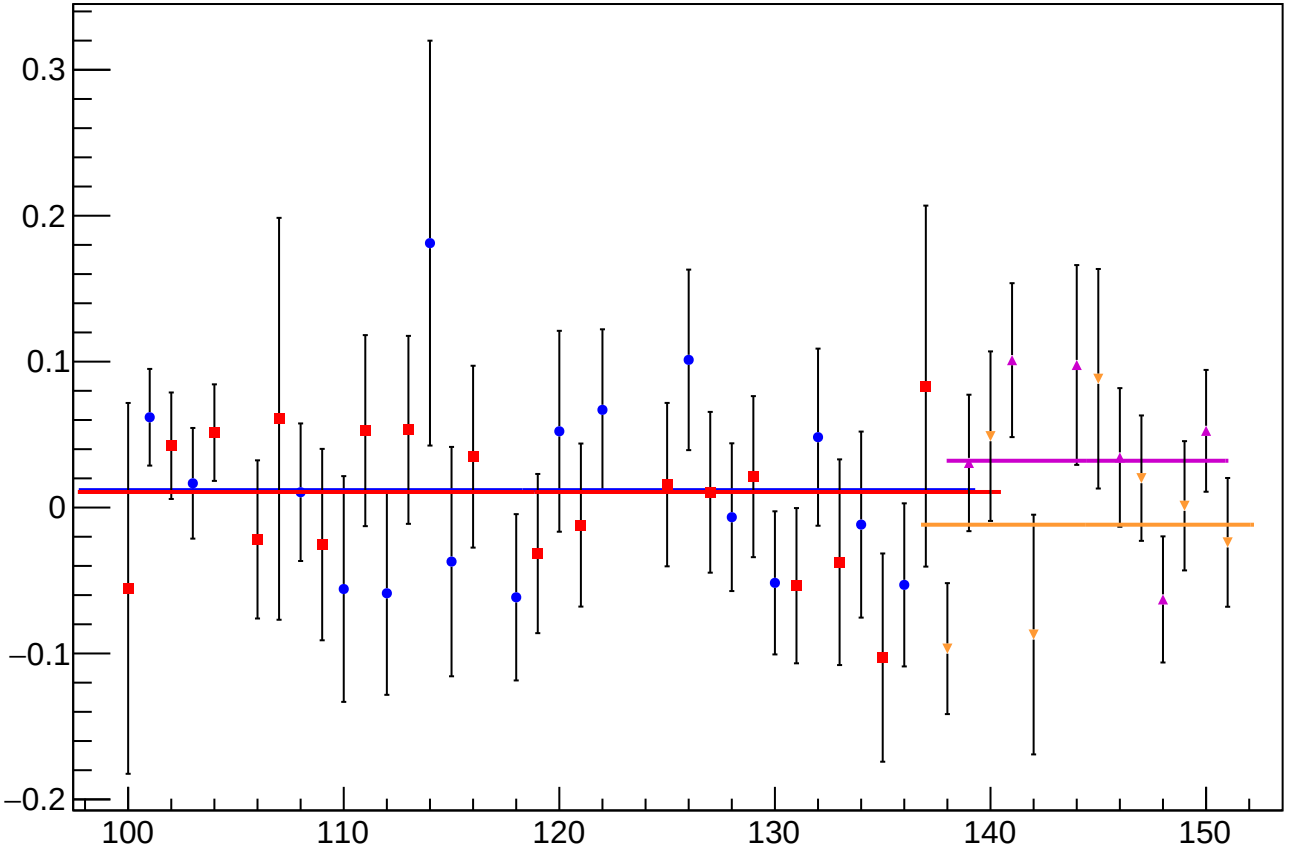
Left In: 0.000+/-0.000 χ^2/NDF:616365.7/5

+ sign 0.000+/-0.000 χ^2/NDF: 2886921.0/22

All: 0.000+/-0.000 χ^2/NDF: 6421010.7/46

- sign 0.000+/-0.000 χ^2/NDF: 3515130.5/23

asym_usl_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.012+/-0.019 χ^2/NDF:8.0/6

Right Out: 0.011+/-0.013 χ^2/NDF: 9.9/17

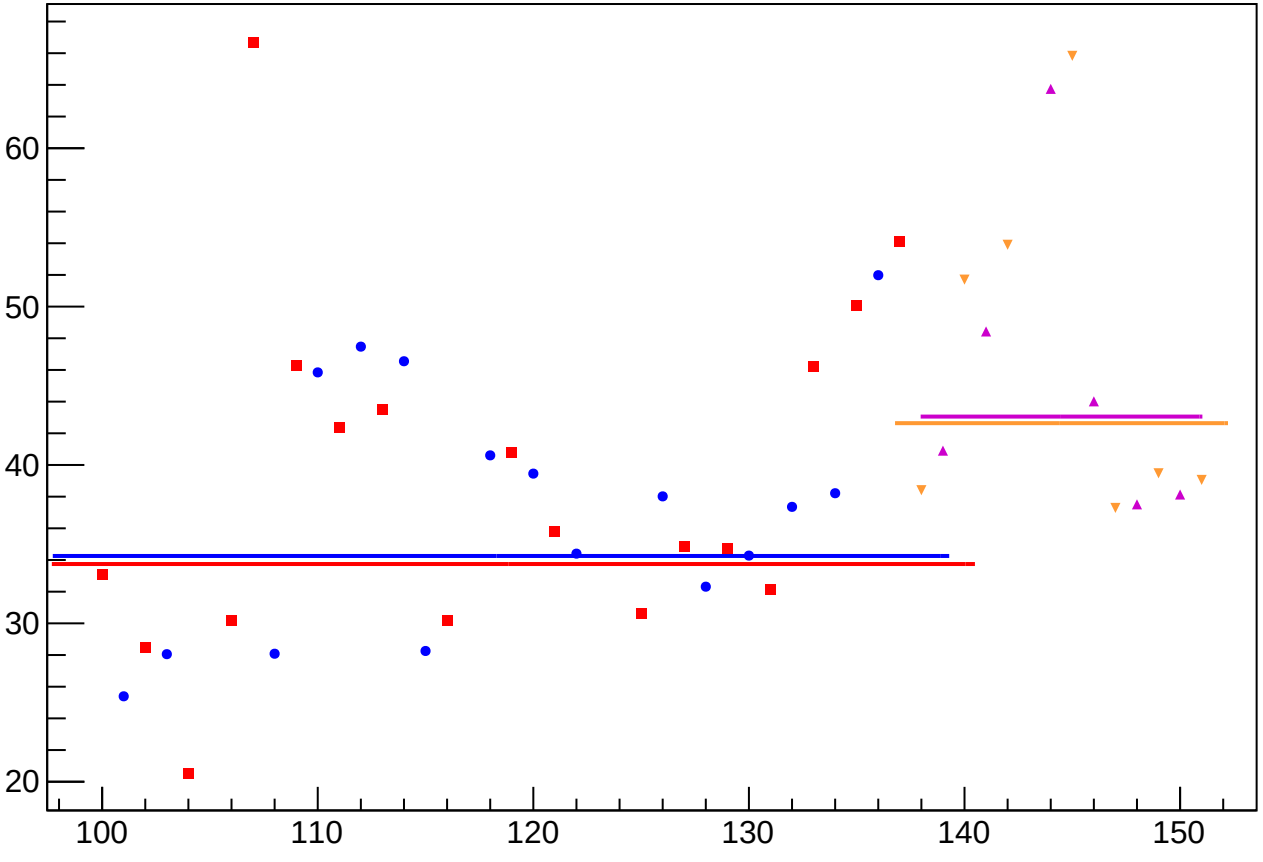
Left In: 0.032+/-0.020 χ^2/NDF:7.7/5

+ sign 0.004+/-0.011 χ^2/NDF: 23.7/22

All: 0.011+/-0.008 χ^2/NDF: 42.9/46

- sign 0.017+/-0.011 χ^2/NDF: 18.5/23

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 42.640+/-0.014 χ^2/NDF:348603.5/6

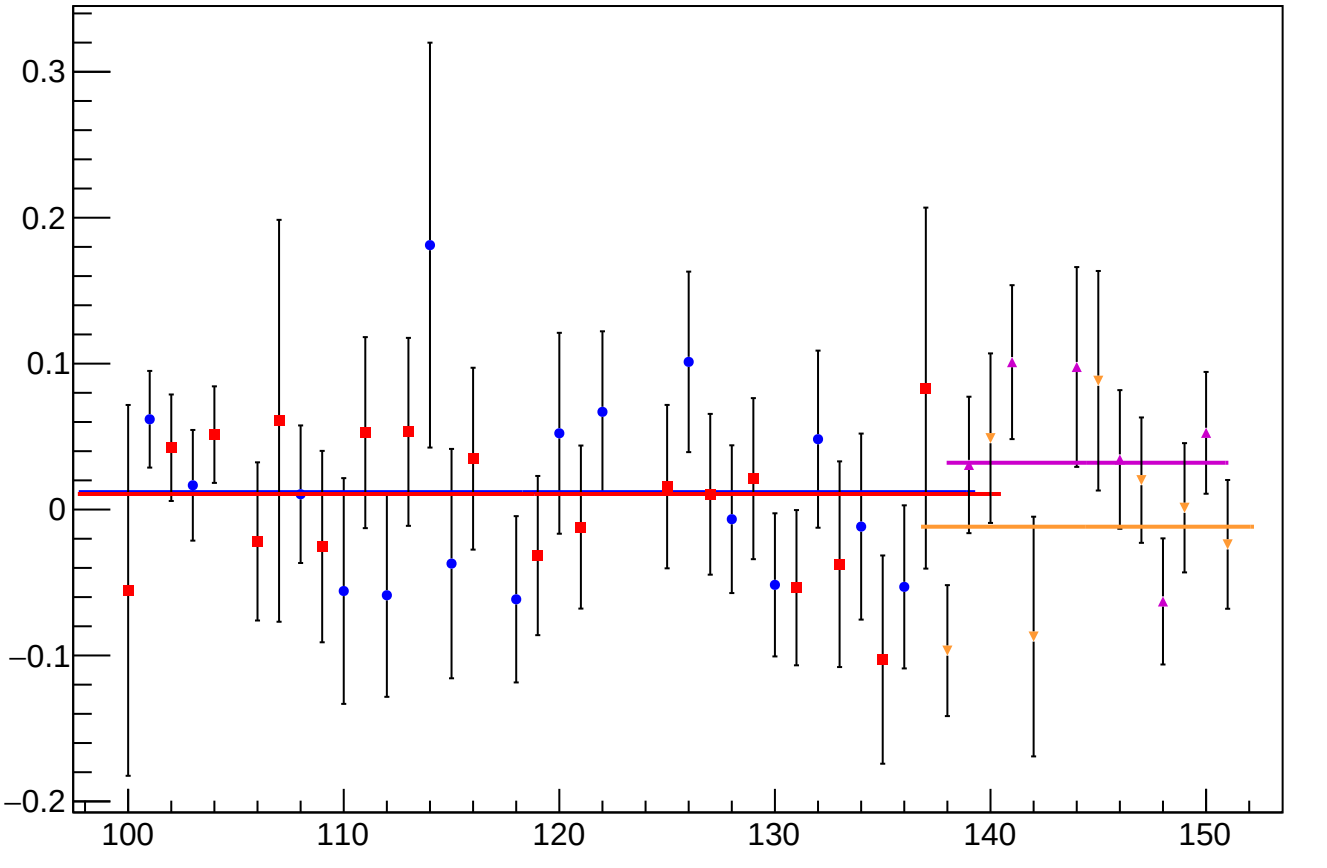
Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 43.055+/-0.014 χ^2/NDF:269170.1/5

+ sign 37.039+/-0.008 χ^2/NDF: 1236607.5/22

All: 36.873+/-0.006 χ^2/NDF: 2723821.5/46

- sign 36.708+/-0.008 χ^2/NDF: 1486328.9/23



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.012+/-0.019 χ^2/NDF:8.0/6

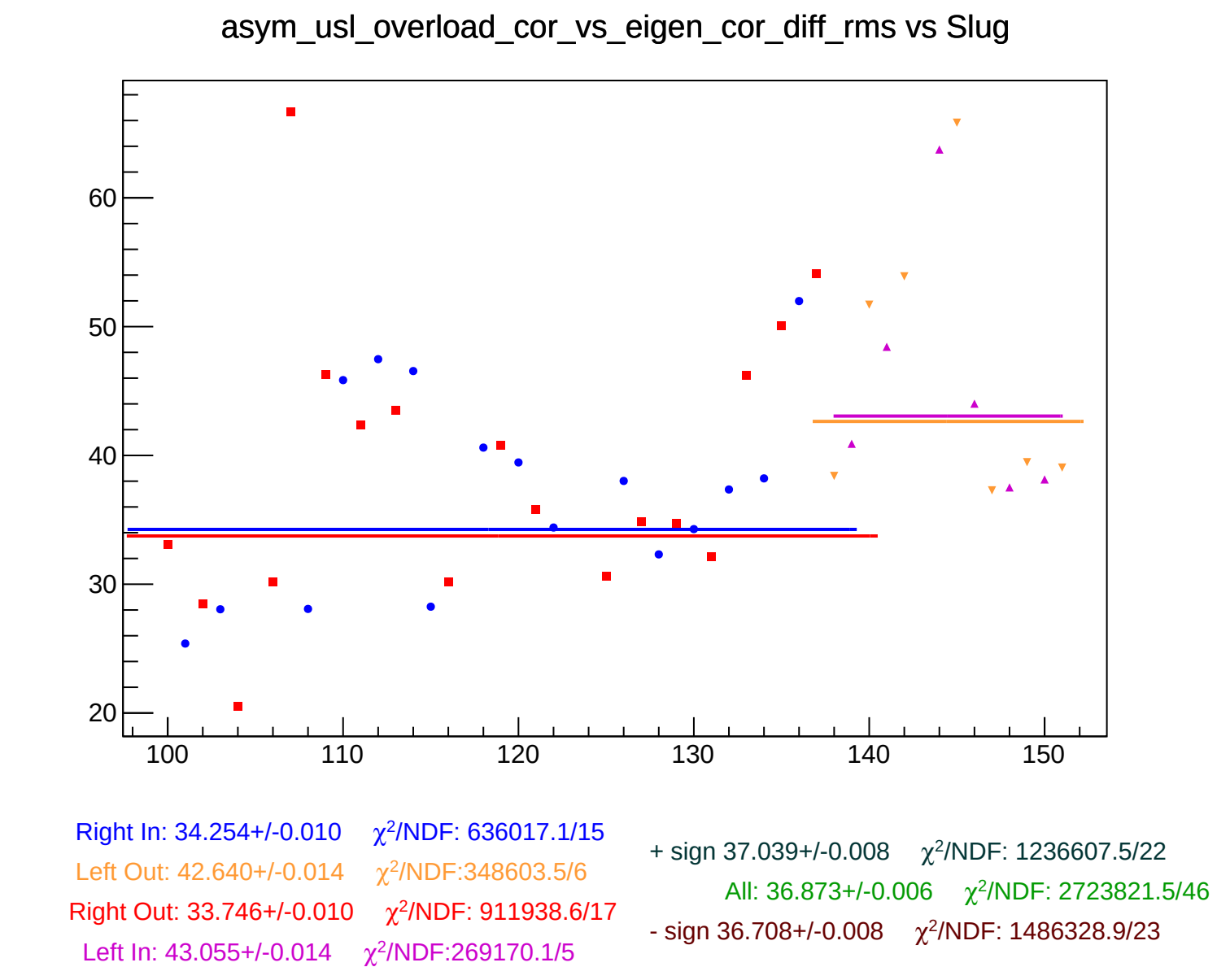
Right Out: 0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: 0.032+/-0.020 χ^2/NDF:7.7/5

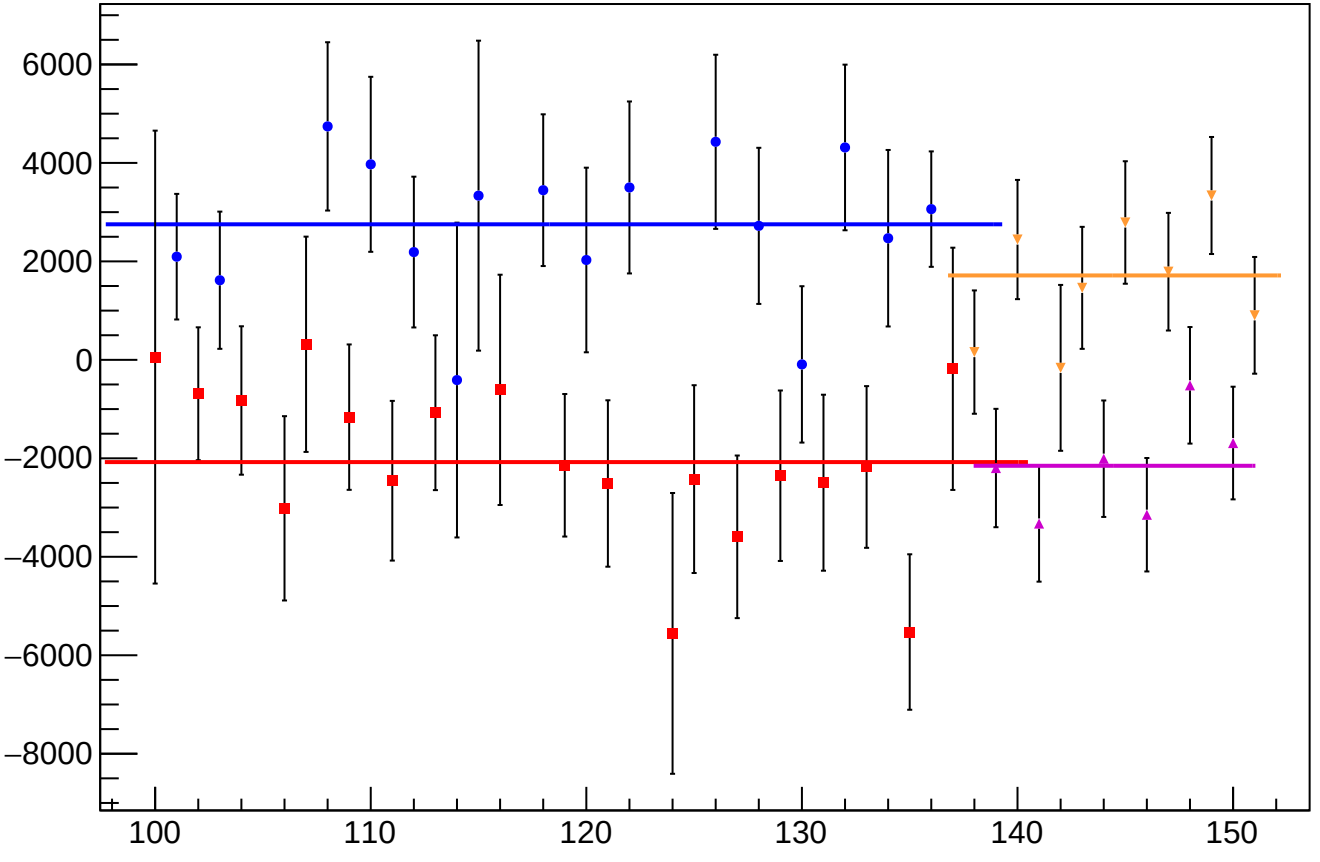
\+ sign 0.004+/-0.011 χ^2/NDF: 23.7/22

All: 0.011+/-0.008 χ^2/NDF: 42.9/46

\- sign 0.017+/-0.011 χ^2/NDF: 18.5/23


asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug
60
50
40
30
20
100
110
120
130
140
150
Right In: 34.254+/-0.010 χ²/NDF: 636017.1/15
Left Out: 42.640+/-0.014 χ²/NDF:348603.5/6
Right Out: 33.746+/-0.010 χ²/NDF: 911938.6/17
Left In: 43.055+/-0.014 χ²/NDF:269170.1/5
+ sign 37.039+/-0.008 χ²/NDF: 1236607.5/22
All: 36.873+/-0.006 χ²/NDF: 2723821.5/46
- sign 36.708+/-0.008 χ²/NDF: 1486328.9/23

reg_asym_usr_mean vs Slug



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1714.526+/-443.283 χ^2/NDF:6.3/7

Right Out: -2076.471+/-403.796 χ^2/NDF: 12.5/18

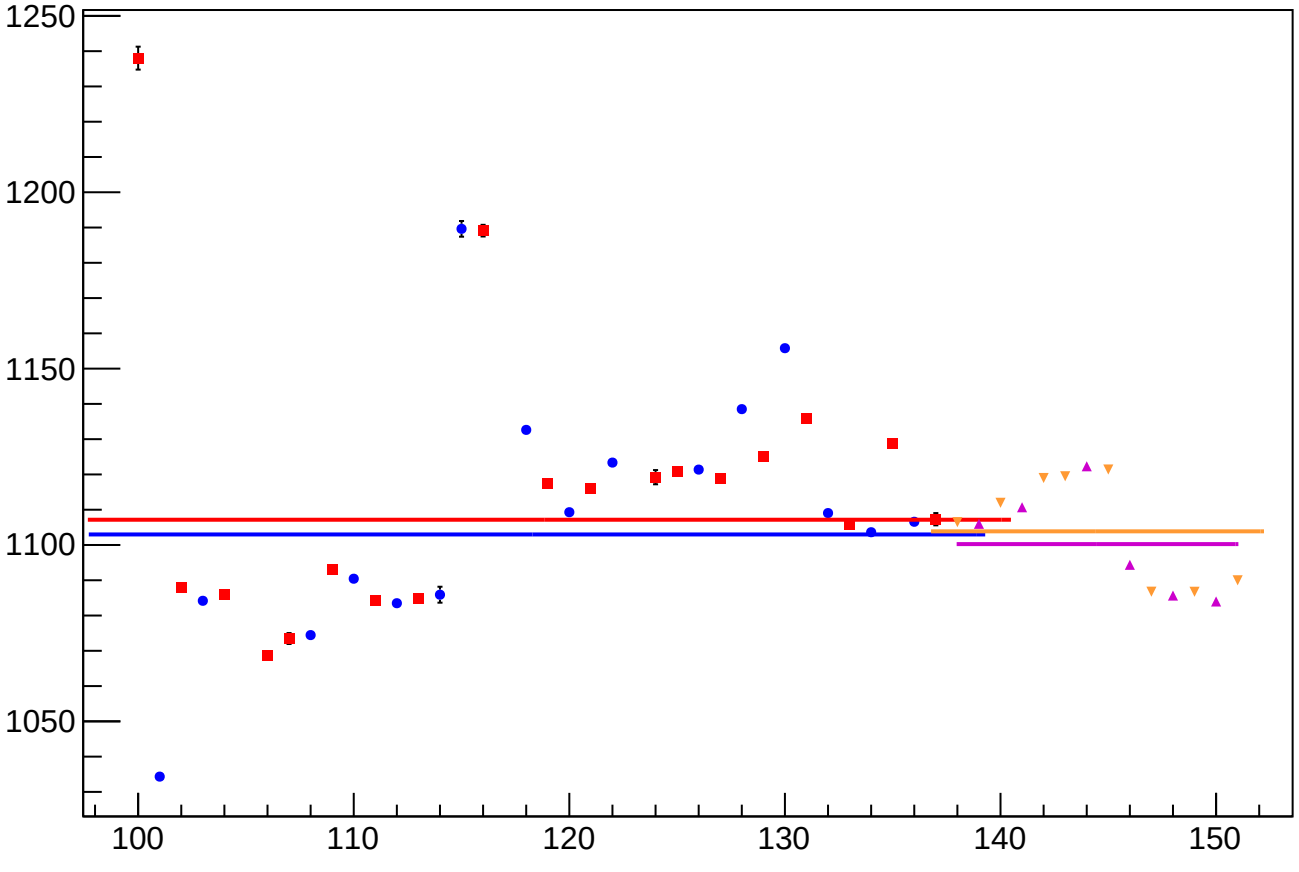
Left In: -2151.600+/-479.188 χ^2/NDF:3.8/5

+ sign 2274.480+/-300.929 χ^2/NDF: 18.7/23

All: 139.841+/-215.512 χ^2/NDF: 138.4/48

- sign -2107.667+/-308.782 χ^2/NDF: 16.4/24

reg_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1103.870+/-0.313 χ^2/NDF:2073.5/7

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

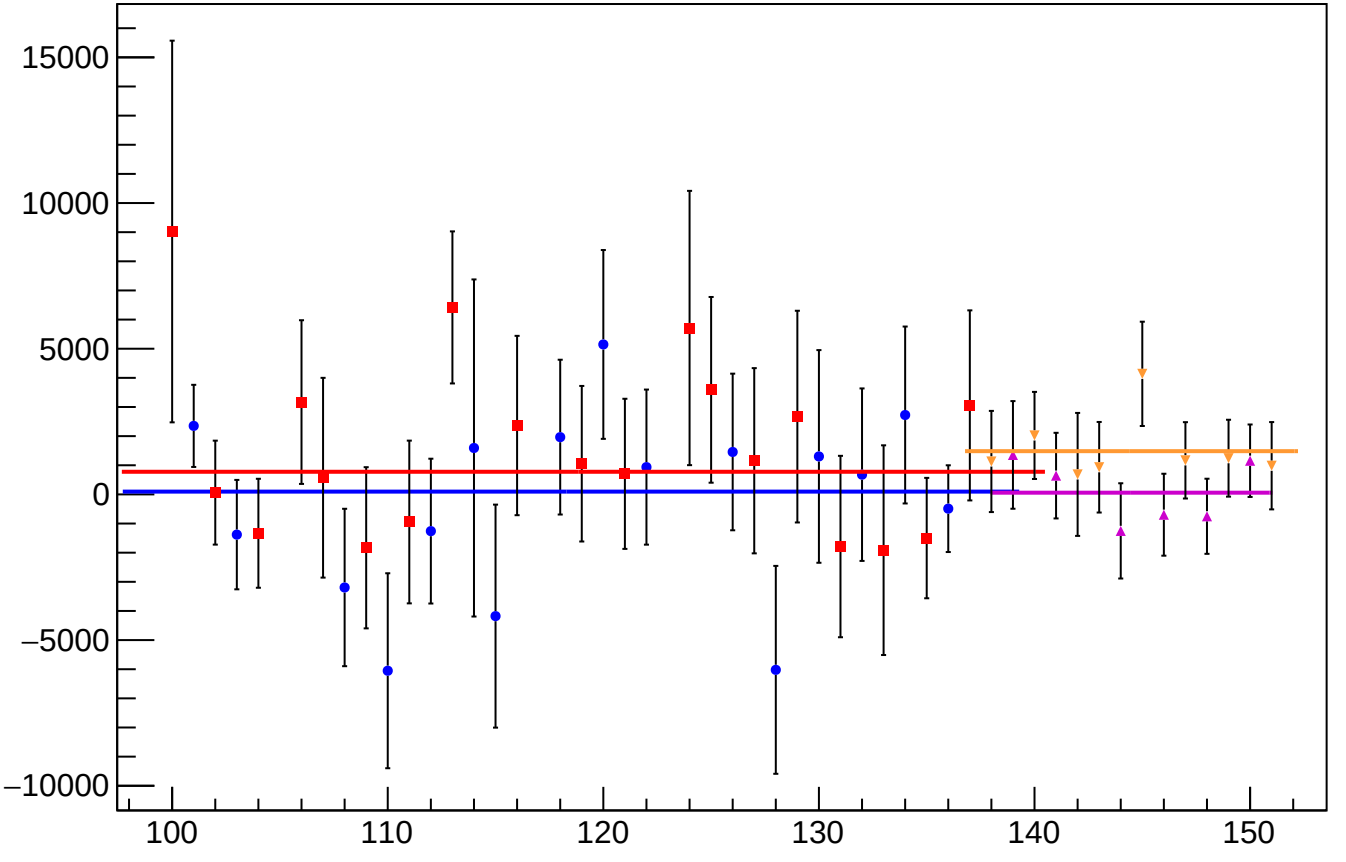
Left In: 1100.253+/-0.339 χ^2/NDF:1658.0/5

+ sign 1103.394+/-0.213 χ^2/NDF: 15301.5/23

All: 1103.831+/-0.152 χ^2/NDF: 25894.5/48

- sign 1104.291+/-0.218 χ^2/NDF: 10584.3/24

asym_usr_reg_correction_mean vs Slug



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1484.078+/-547.771 χ^2/NDF:2.8/7

Right Out: 776.996+/-636.966 χ^2/NDF: 15.1/18

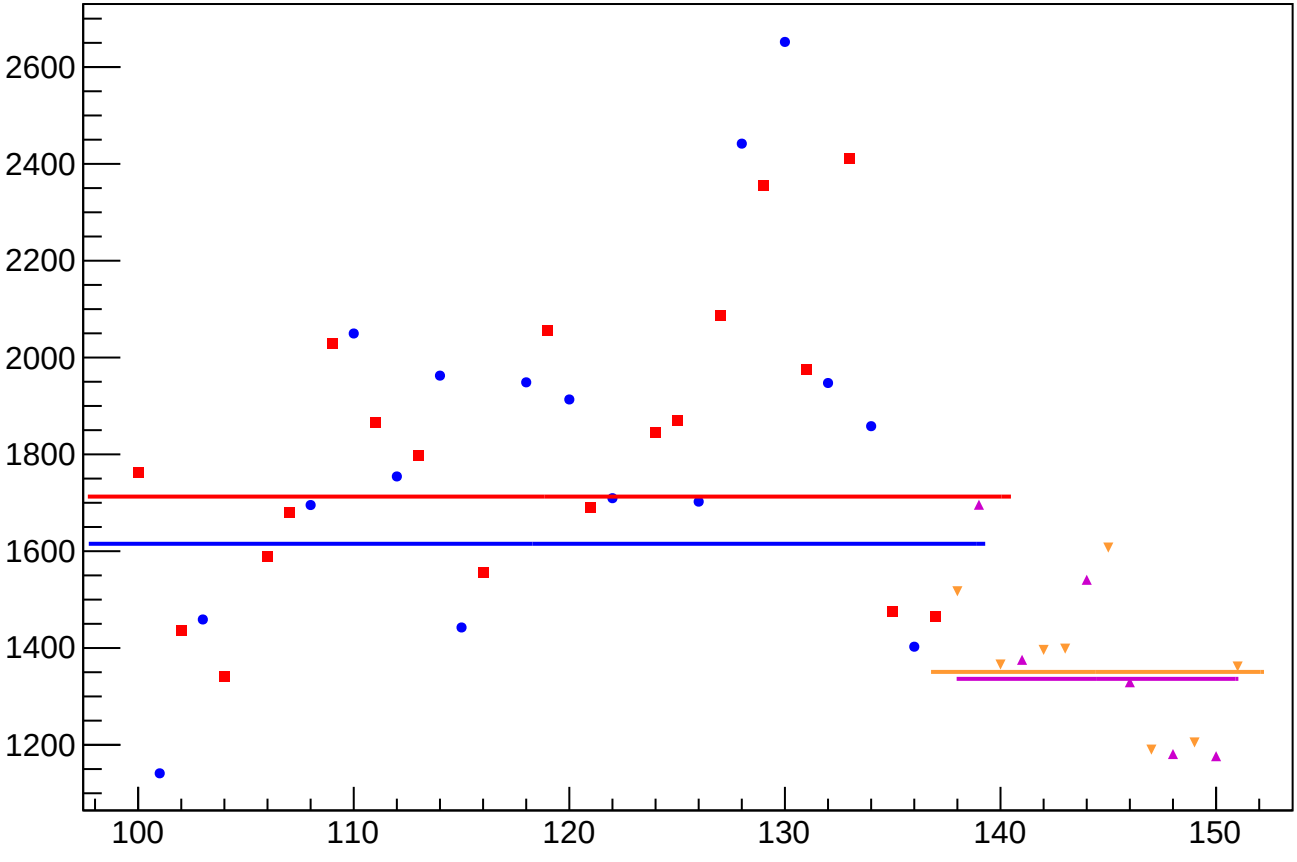
Left In: 58.904+/-588.771 χ^2/NDF:2.8/5

+ sign 873.443+/-409.951 χ^2/NDF: 22.6/23

All: 644.459+/-297.486 χ^2/NDF: 41.8/48

- sign 389.758+/-432.359 χ^2/NDF: 18.5/24

asym_usr_reg_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1350.686+/-0.387 χ^2/NDF:117165.6/7

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

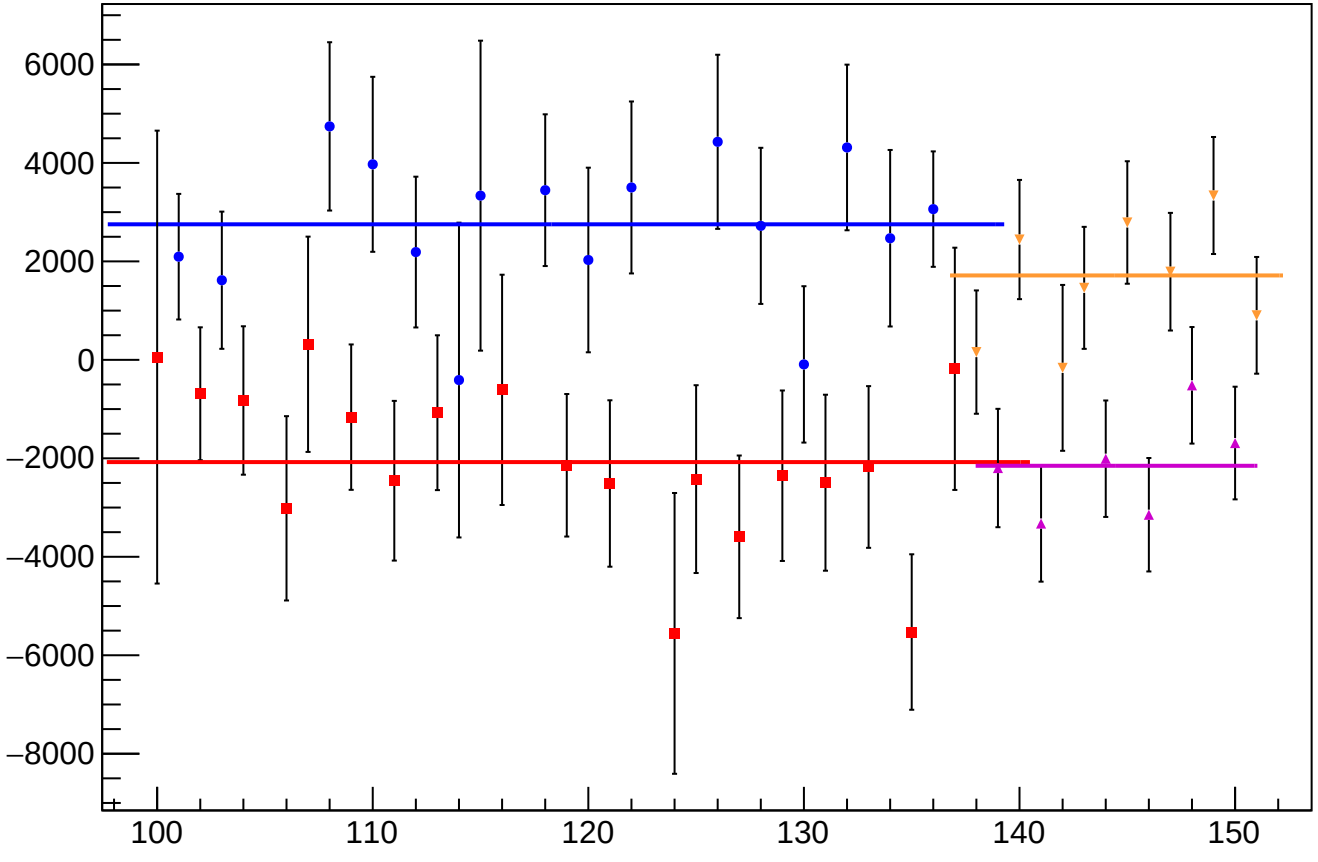
Left In: 1336.320+/-0.416 χ^2/NDF:170670.8/5

+ sign 1467.096+/-0.290 χ^2/NDF: 1016130.3/23

All: 1487.303+/-0.210 χ^2/NDF: 2001897.0/48

- sign 1509.779+/-0.306 χ^2/NDF: 975502.9/24

cor_asym_usr_mean vs Slug



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1714.526+/-443.283 χ^2/NDF:6.3/7

Right Out: -2076.471+/-403.796 χ^2/NDF: 12.5/18

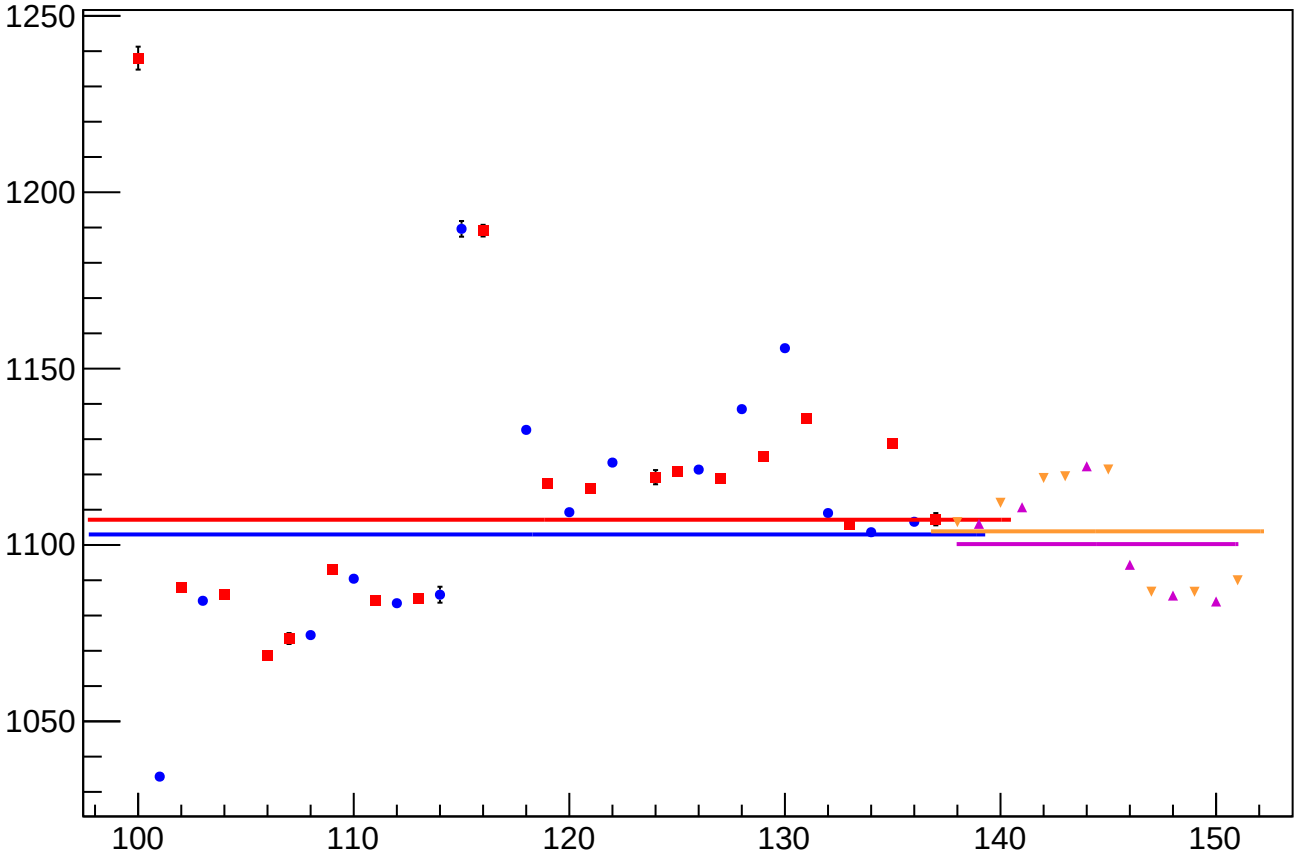
Left In: -2151.600+/-479.188 χ^2/NDF:3.8/5

+ sign 2274.480+/-300.929 χ^2/NDF: 18.7/23

All: 139.841+/-215.512 χ^2/NDF: 138.4/48

- sign -2107.667+/-308.782 χ^2/NDF: 16.4/24

cor_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1103.870+/-0.313 χ^2/NDF:2073.5/7

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

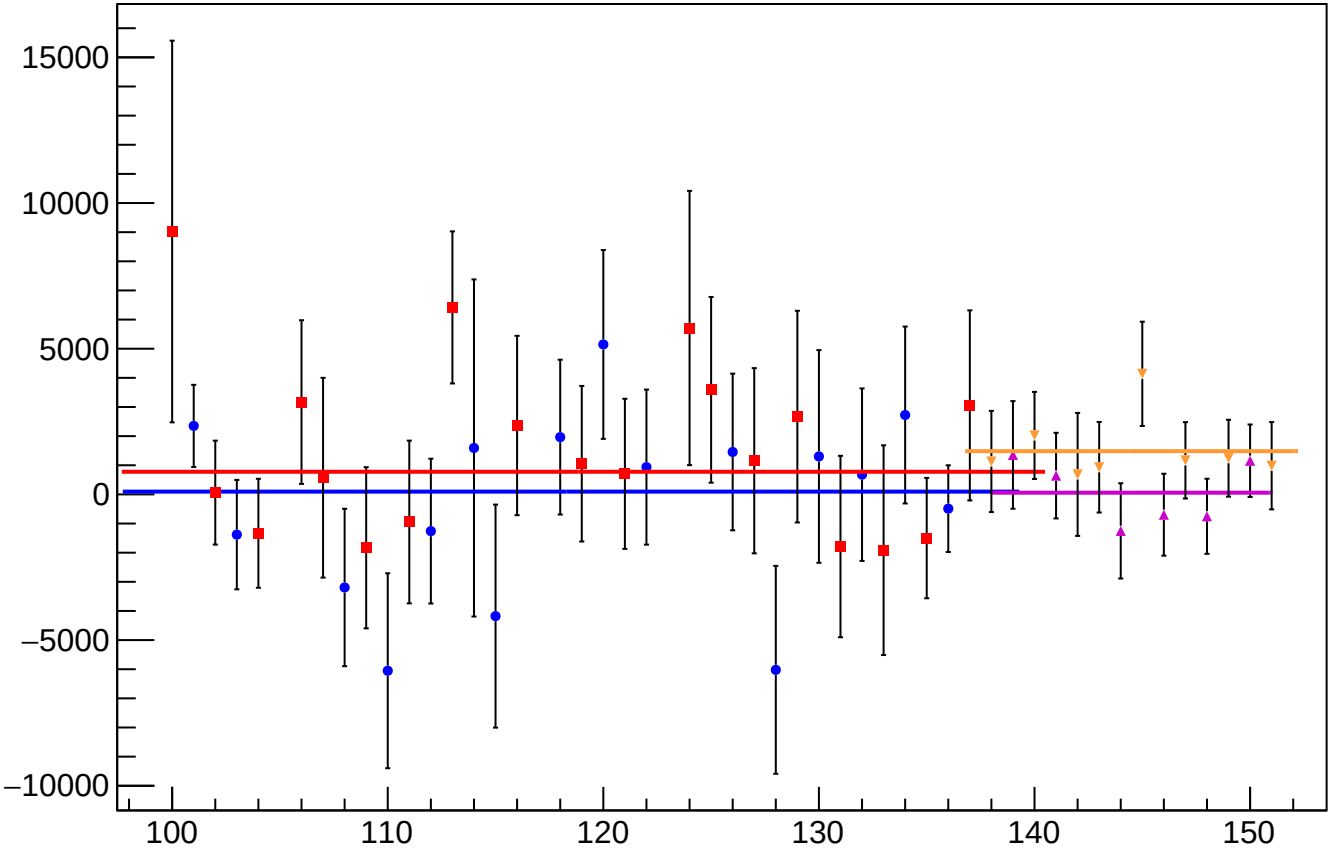
Left In: 1100.253+/-0.339 χ^2/NDF:1658.0/5

+ sign 1103.394+/-0.213 χ^2/NDF: 15301.5/23

All: 1103.831+/-0.152 χ^2/NDF: 25894.5/48

- sign 1104.291+/-0.218 χ^2/NDF: 10584.3/24

asym_usr_cor_correction_mean vs Slug



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1484.078+/-547.771 χ^2/NDF:2.8/7

Right Out: 776.996+/-636.966 χ^2/NDF: 15.1/18

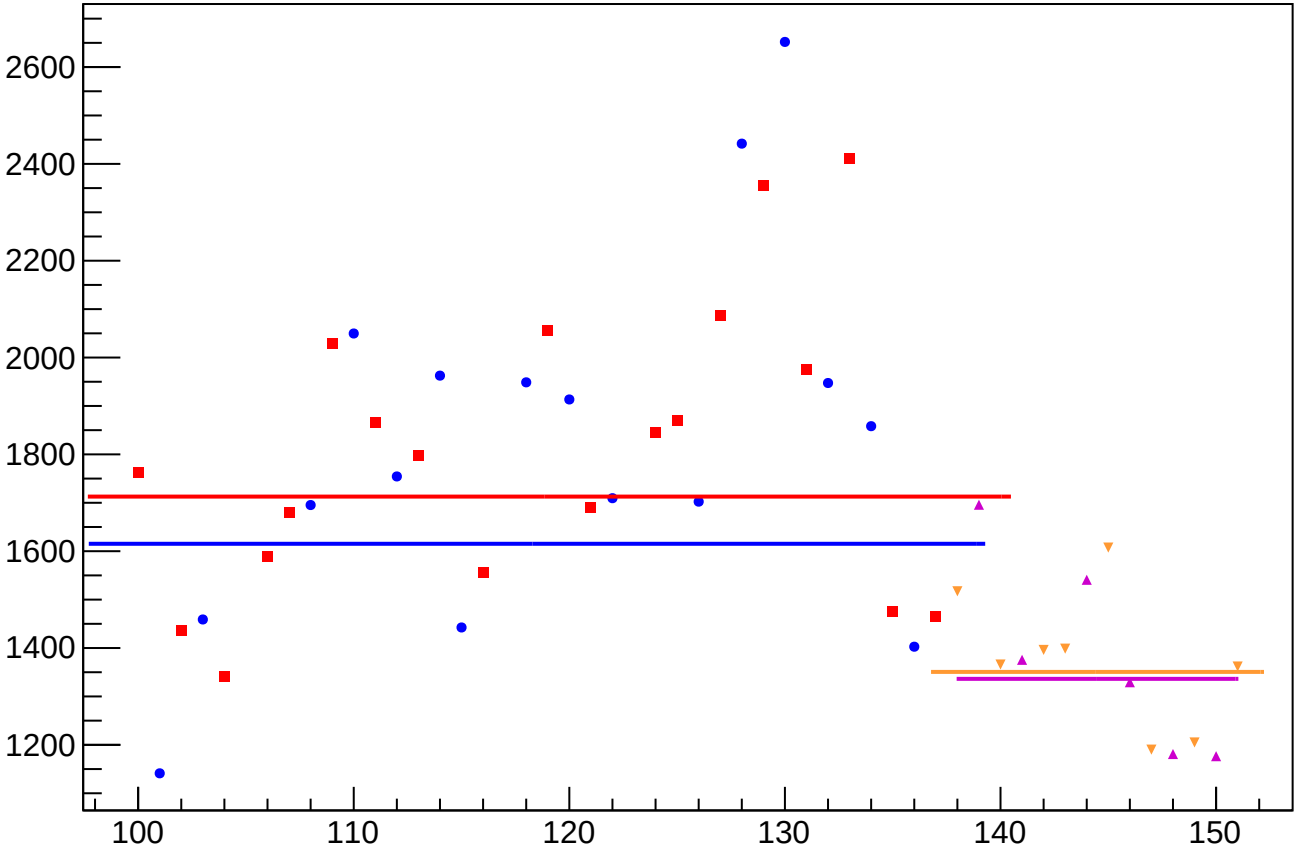
Left In: 58.904+/-588.771 χ^2/NDF:2.8/5

+ sign 873.443+/-409.951 χ^2/NDF: 22.6/23

All: 644.459+/-297.486 χ^2/NDF: 41.8/48

- sign 389.758+/-432.359 χ^2/NDF: 18.5/24

asym_usr_cor_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1350.686+/-0.387 χ^2/NDF:117165.6/7

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

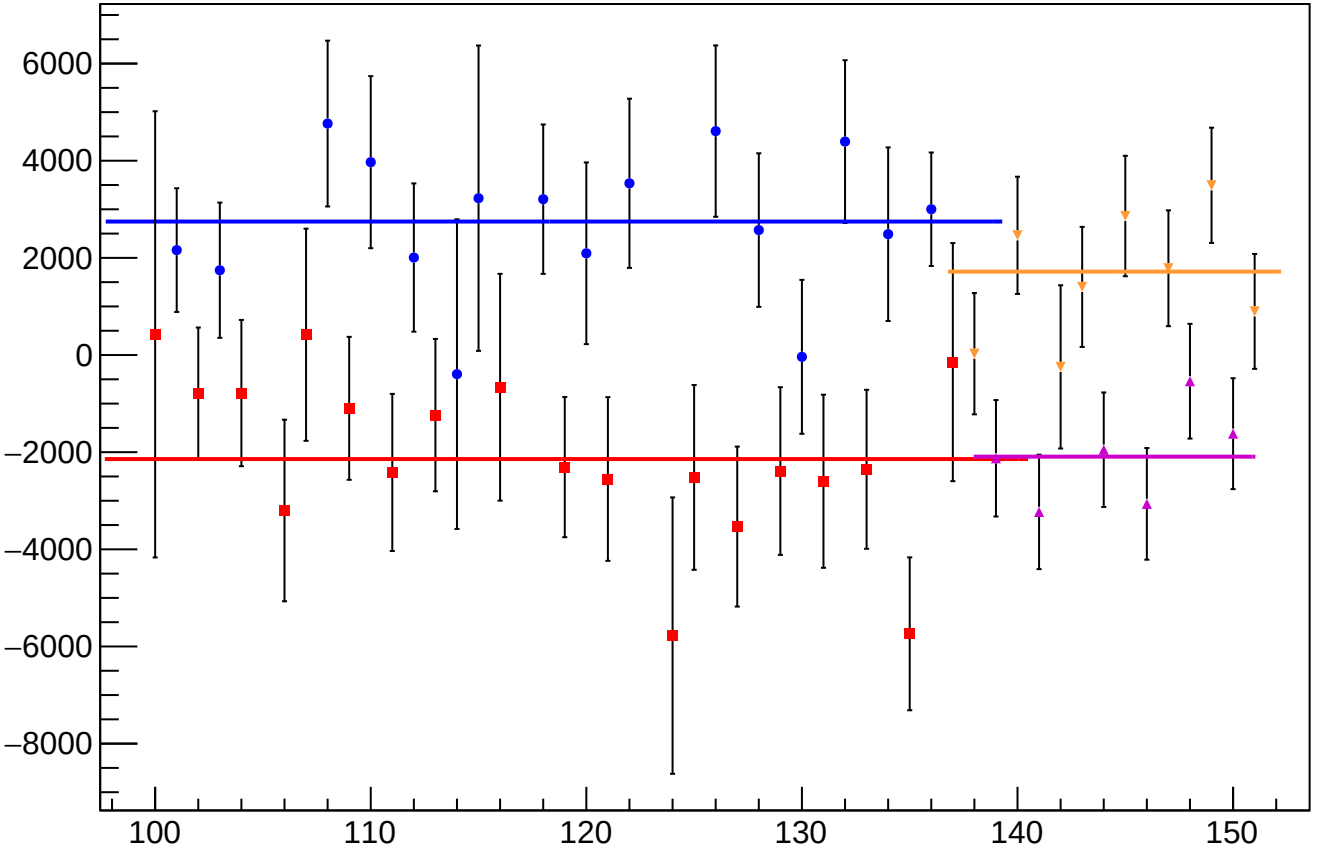
Left In: 1336.320+/-0.416 χ^2/NDF:170670.8/5

+ sign 1467.096+/-0.290 χ^2/NDF: 1016130.3/23

All: 1487.303+/-0.210 χ^2/NDF: 2001897.0/48

- sign 1509.779+/-0.306 χ^2/NDF: 975502.9/24

overload_cor_asym_usr_mean vs Slug



Right In: 2747.939+/-408.759 χ^2/NDF: 9.5/15

Left Out: 1716.814+/-442.053 χ^2/NDF:7.2/7

Right Out: -2141.169+/-402.789 χ^2/NDF: 13.6/18

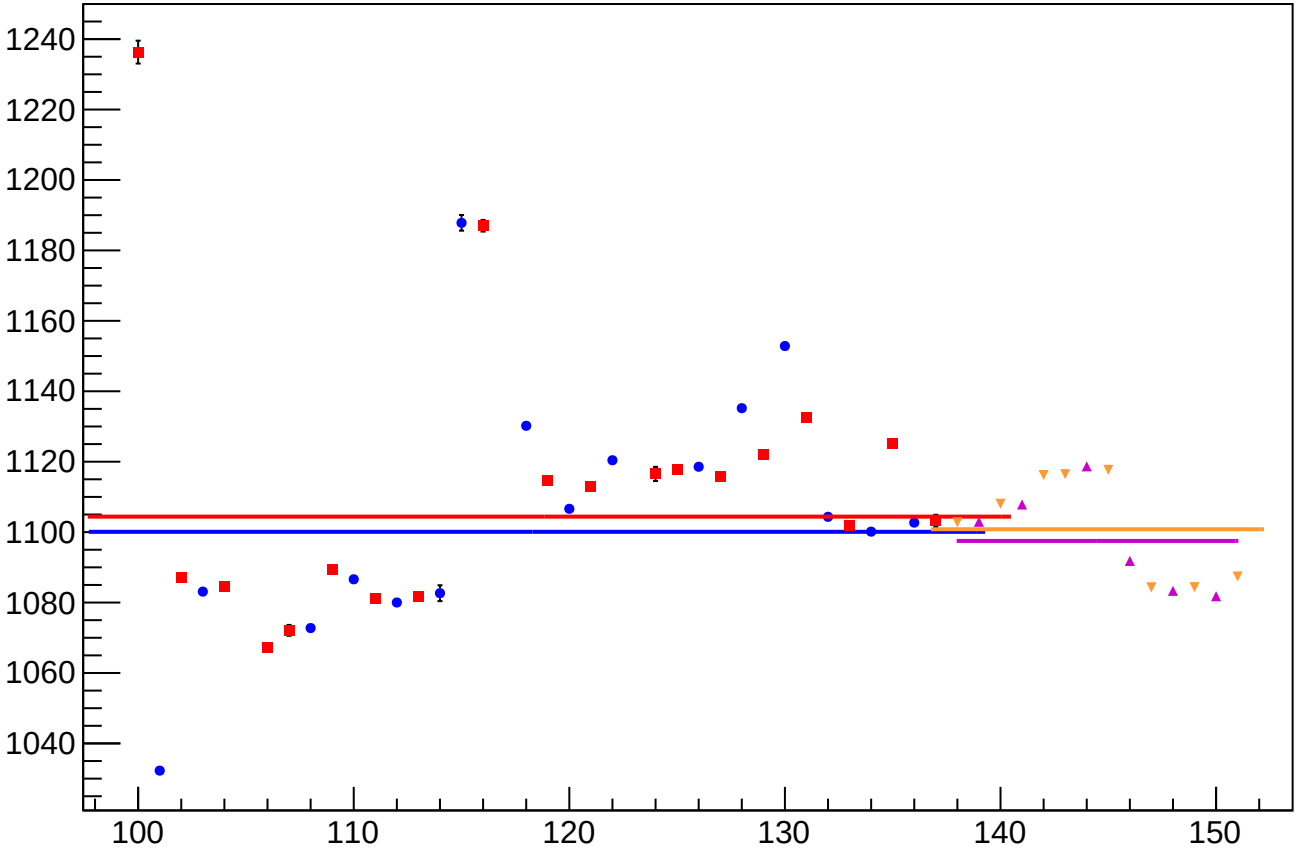
Left In: -2092.261+/-477.988 χ^2/NDF:3.6/5

+ sign 2272.665+/-300.117 χ^2/NDF: 19.7/23

All: 132.921+/-214.951 χ^2/NDF: 141.2/48

- sign -2120.861+/-308.011 χ^2/NDF: 17.1/24

overload_cor_asym_usr_rms vs Slug



Right In: 1100.090+/-0.289 χ^2/NDF: 13077.1/15

Left Out: 1100.812+/-0.313 χ^2/NDF:1959.5/7

Right Out: 1104.403+/-0.285 χ^2/NDF: 8543.5/18

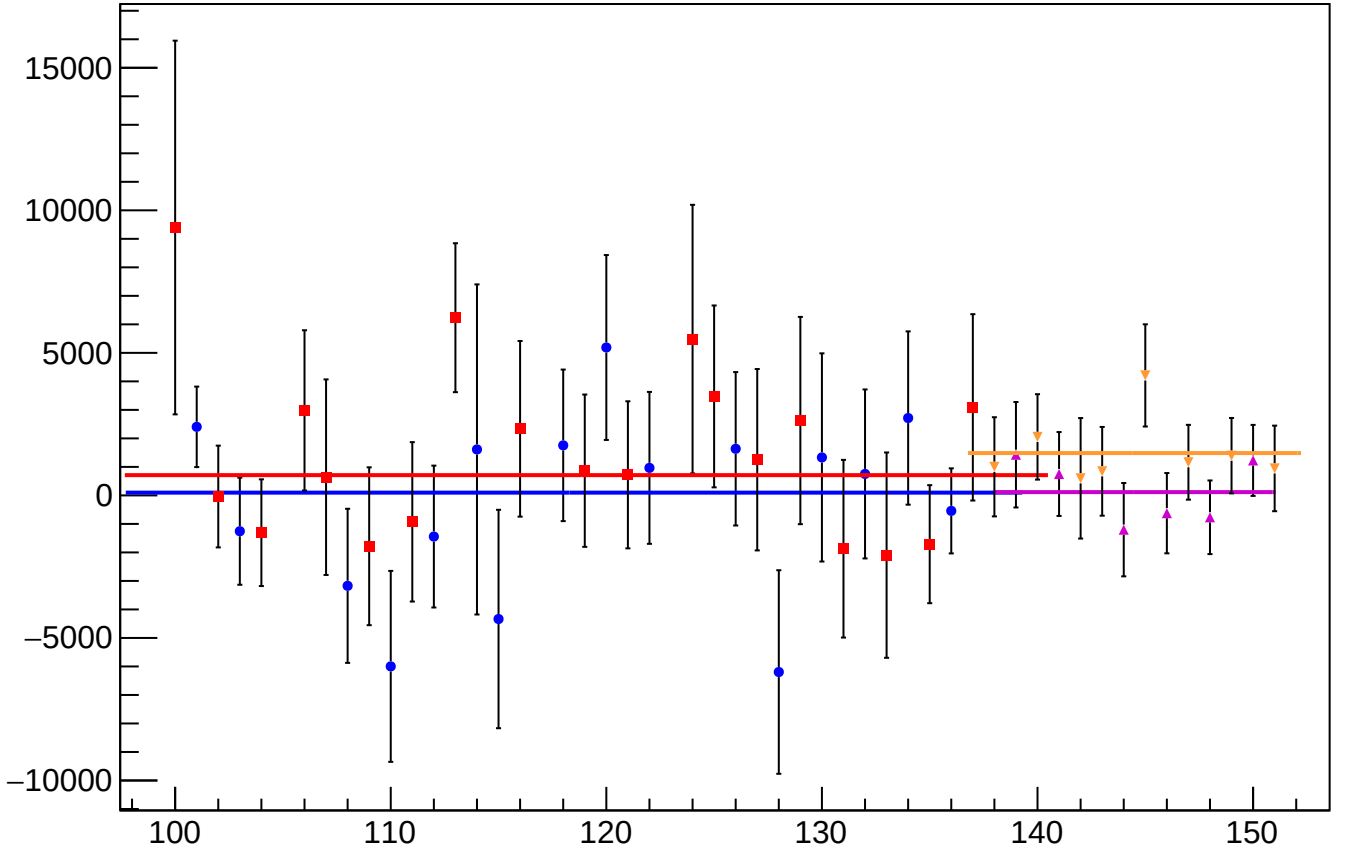
Left In: 1097.502+/-0.338 χ^2/NDF:1556.1/5

+ sign 1100.423+/-0.212 χ^2/NDF: 15039.5/23

All: 1100.966+/-0.152 χ^2/NDF: 25396.3/48

- sign 1101.537+/-0.218 χ^2/NDF: 10343.4/24

asym_usr_overload_cor_correction_mean vs Slug



Right In: 97.435+/-618.876 χ^2/NDF: 17.2/15

Left Out: 1485.313+/-548.764 χ^2/NDF:3.1/7

Right Out: 711.287+/-637.587 χ^2/NDF: 14.9/18

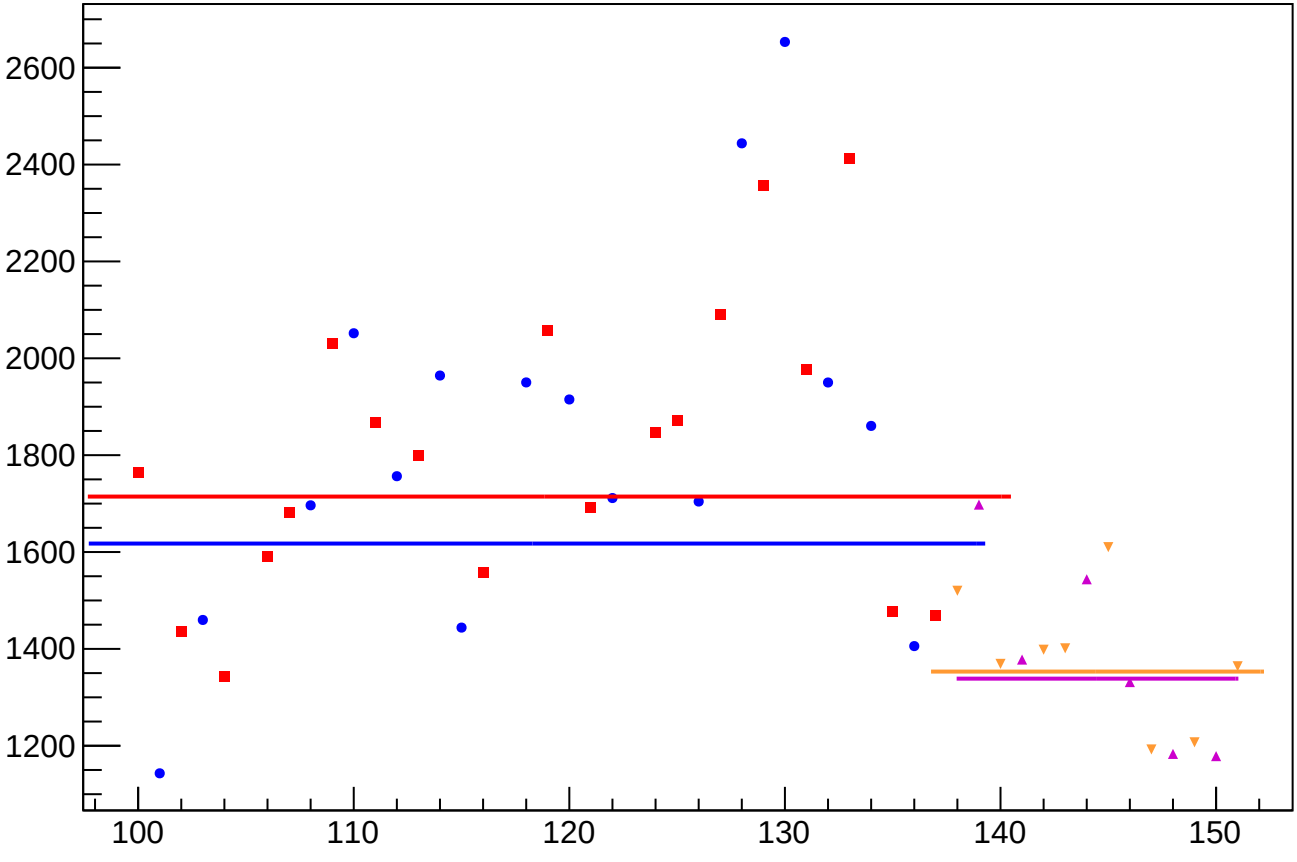
Left In: 115.701+/-589.744 χ^2/NDF:2.9/5

\+ sign 874.411+/-410.595 χ^2/NDF: 23.1/23

All: 645.176+/-297.921 χ^2/NDF: 42.1/48

\- sign 390.313+/-432.939 χ^2/NDF: 18.3/24

asym_usr_overload_cor_correction_rms vs Slug



Right In: 1617.491+/-0.438 χ^2/NDF: 691725.3/15

Left Out: 1353.173+/-0.388 χ^2/NDF:117072.8/7

Right Out: 1714.508+/-0.451 χ^2/NDF: 427709.9/18

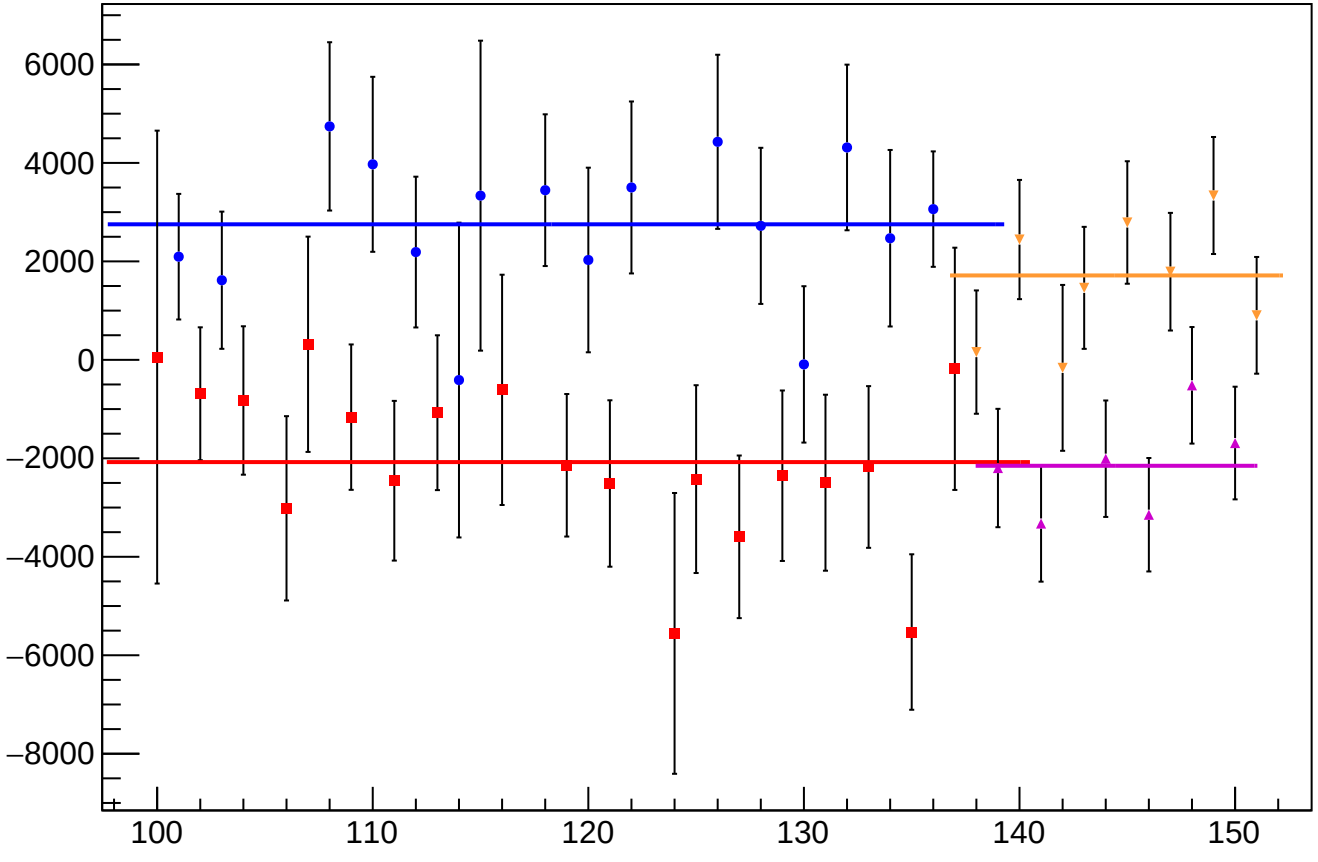
Left In: 1338.573+/-0.417 χ^2/NDF:170331.4/5

+ sign 1469.518+/-0.290 χ^2/NDF: 1013034.1/23

All: 1489.591+/-0.211 χ^2/NDF: 1995884.7/48

- sign 1511.908+/-0.306 χ^2/NDF: 972756.0/24

eigen_cor_asym_usr_mean vs Slug



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1714.526+/-443.283 χ^2/NDF:6.3/7

Right Out: -2076.471+/-403.796 χ^2/NDF: 12.5/18

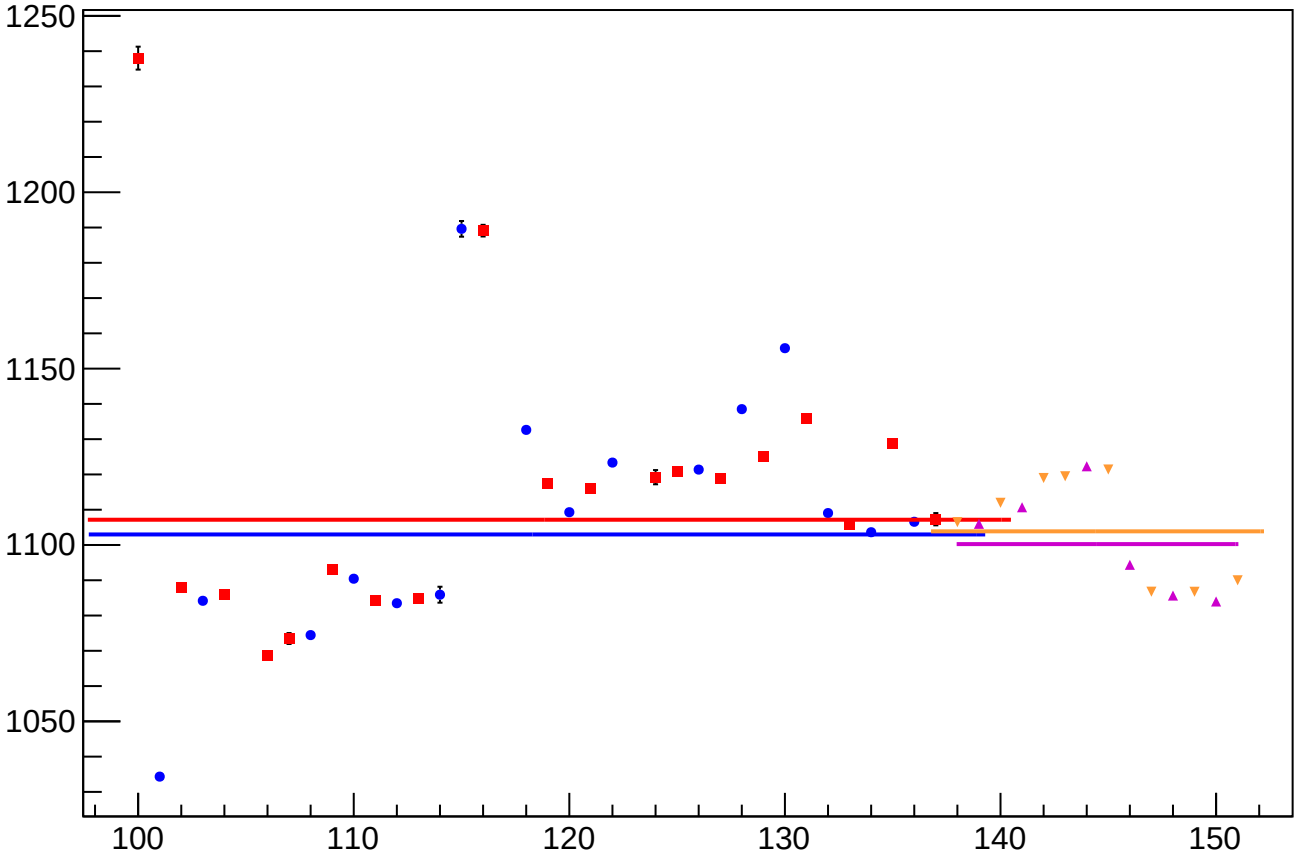
Left In: -2151.600+/-479.188 χ^2/NDF:3.8/5

+ sign 2274.480+/-300.929 χ^2/NDF: 18.7/23

All: 139.841+/-215.512 χ^2/NDF: 138.4/48

- sign -2107.667+/-308.782 χ^2/NDF: 16.4/24

eigen_cor_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1103.870+/-0.313 χ^2/NDF:2073.5/7

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

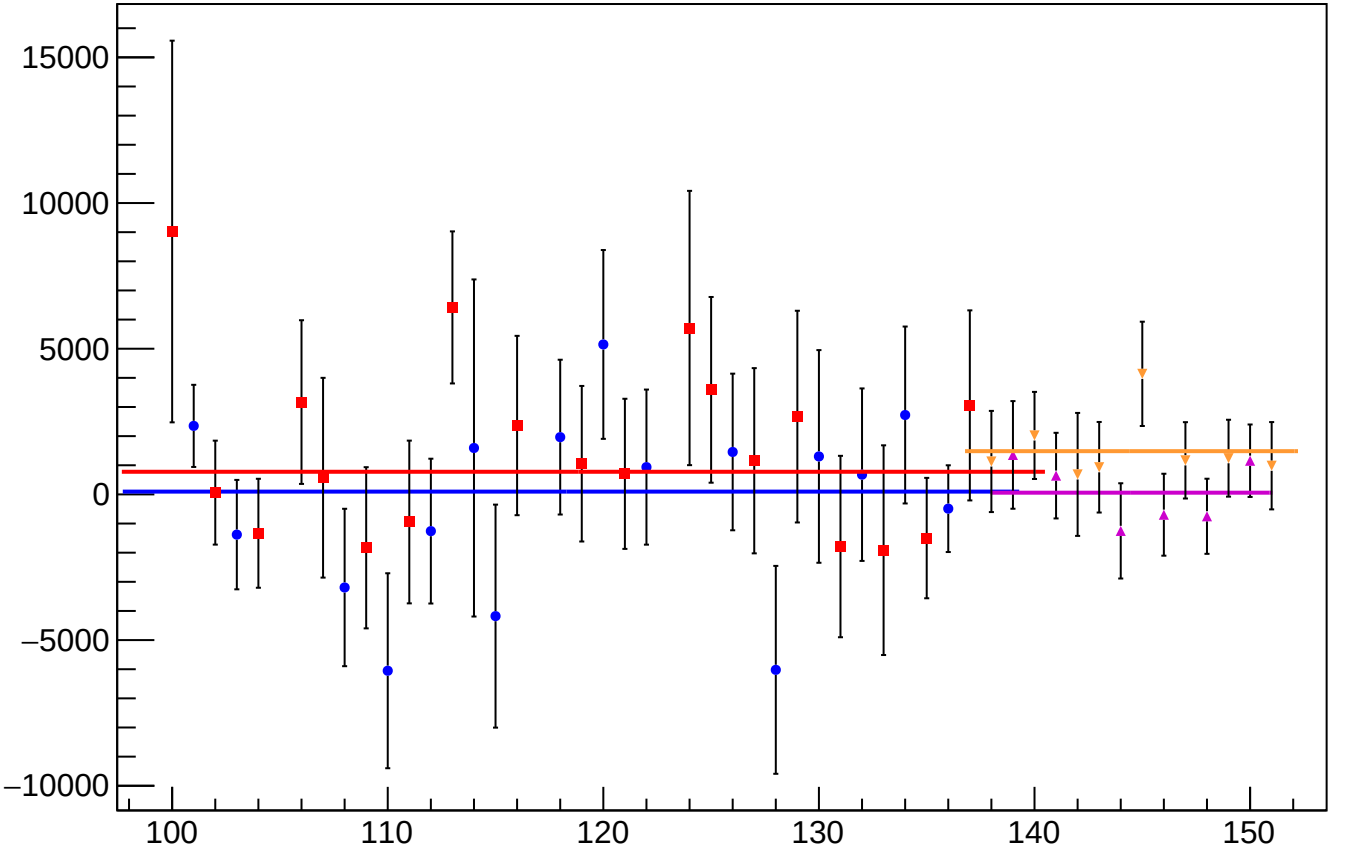
Left In: 1100.253+/-0.339 χ^2/NDF:1658.0/5

+ sign 1103.394+/-0.213 χ^2/NDF: 15301.5/23

All: 1103.831+/-0.152 χ^2/NDF: 25894.5/48

- sign 1104.291+/-0.218 χ^2/NDF: 10584.3/24

asym_usr_eigen_cor_correction_mean vs Slug



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1484.078+/-547.771 χ^2/NDF:2.8/7

Right Out: 776.996+/-636.966 χ^2/NDF: 15.1/18

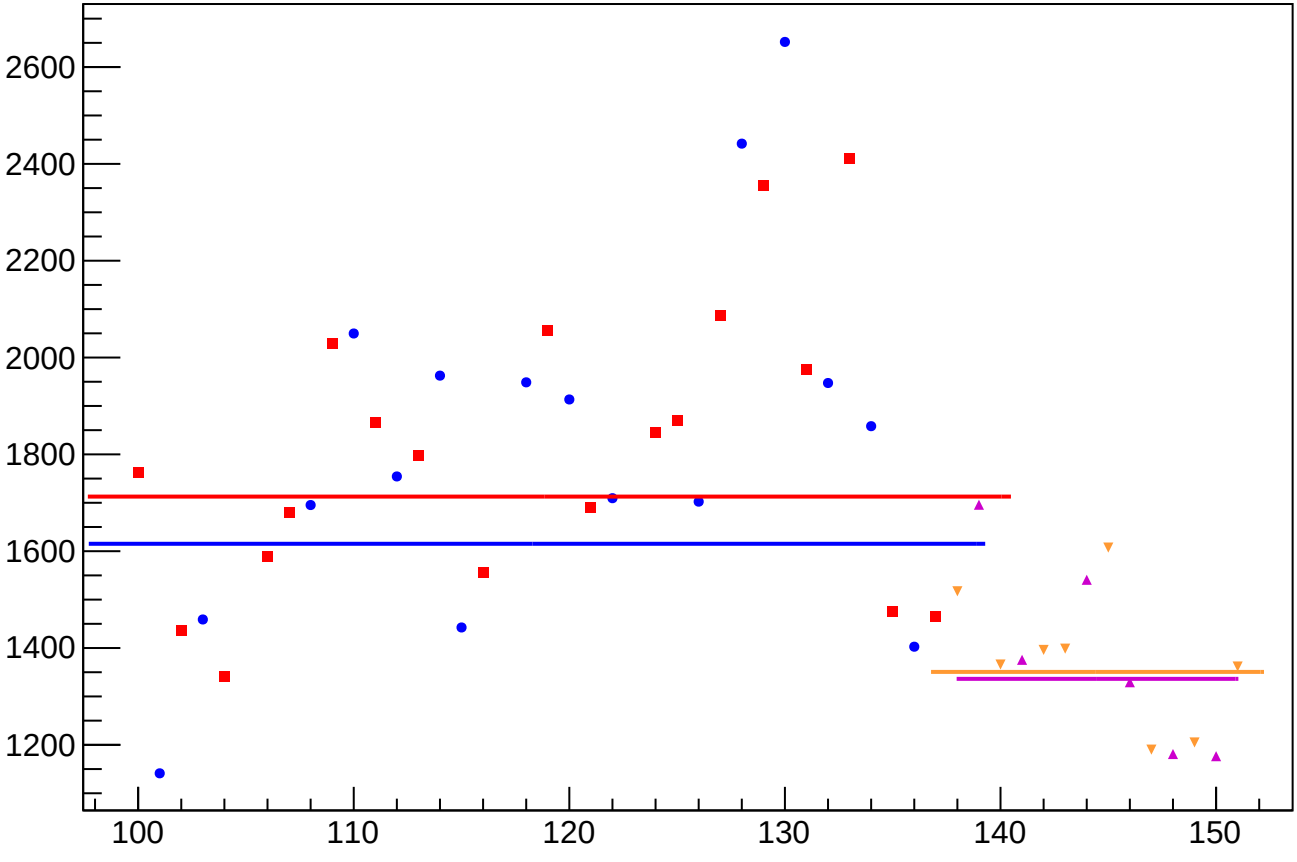
Left In: 58.904+/-588.771 χ^2/NDF:2.8/5

+ sign 873.443+/-409.951 χ^2/NDF: 22.6/23

All: 644.459+/-297.486 χ^2/NDF: 41.8/48

- sign 389.758+/-432.359 χ^2/NDF: 18.5/24

asym_usr_eigen_cor_correction_rms vs Slug



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Left Out: 1350.686+/-0.387 χ^2/NDF:117165.6/7

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

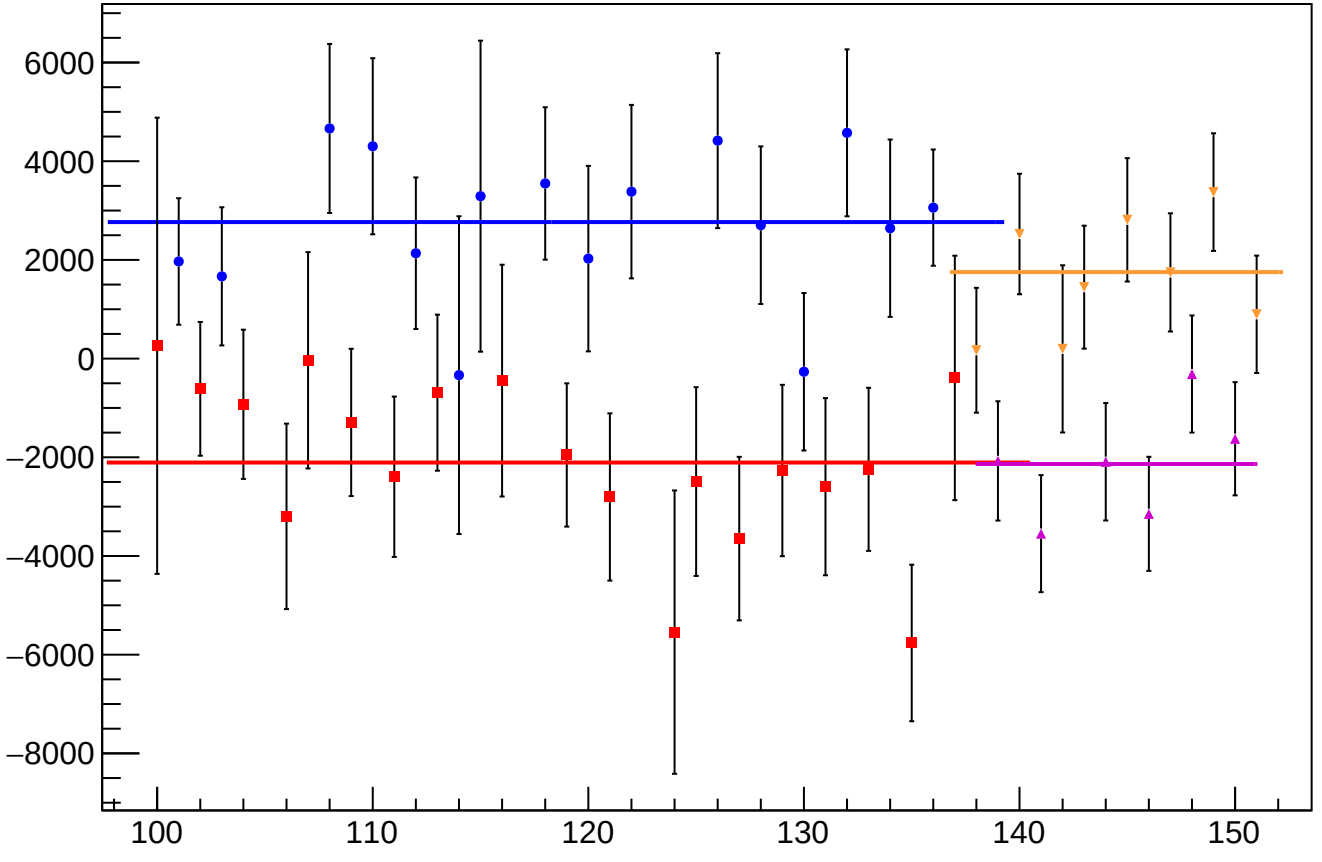
Left In: 1336.320+/-0.416 χ^2/NDF:170670.8/5

+ sign 1467.096+/-0.290 χ^2/NDF: 1016130.3/23

All: 1487.303+/-0.210 χ^2/NDF: 2001897.0/48

- sign 1509.779+/-0.306 χ^2/NDF: 975502.9/24

dit_asym_usr_mean vs Slug



Right In: 2766.657+/-411.563 χ^2/NDF: 10.3/15

Left Out: 1752.900+/-445.604 χ^2/NDF:6.0/7

Right Out: -2106.358+/-405.586 χ^2/NDF: 13.4/18

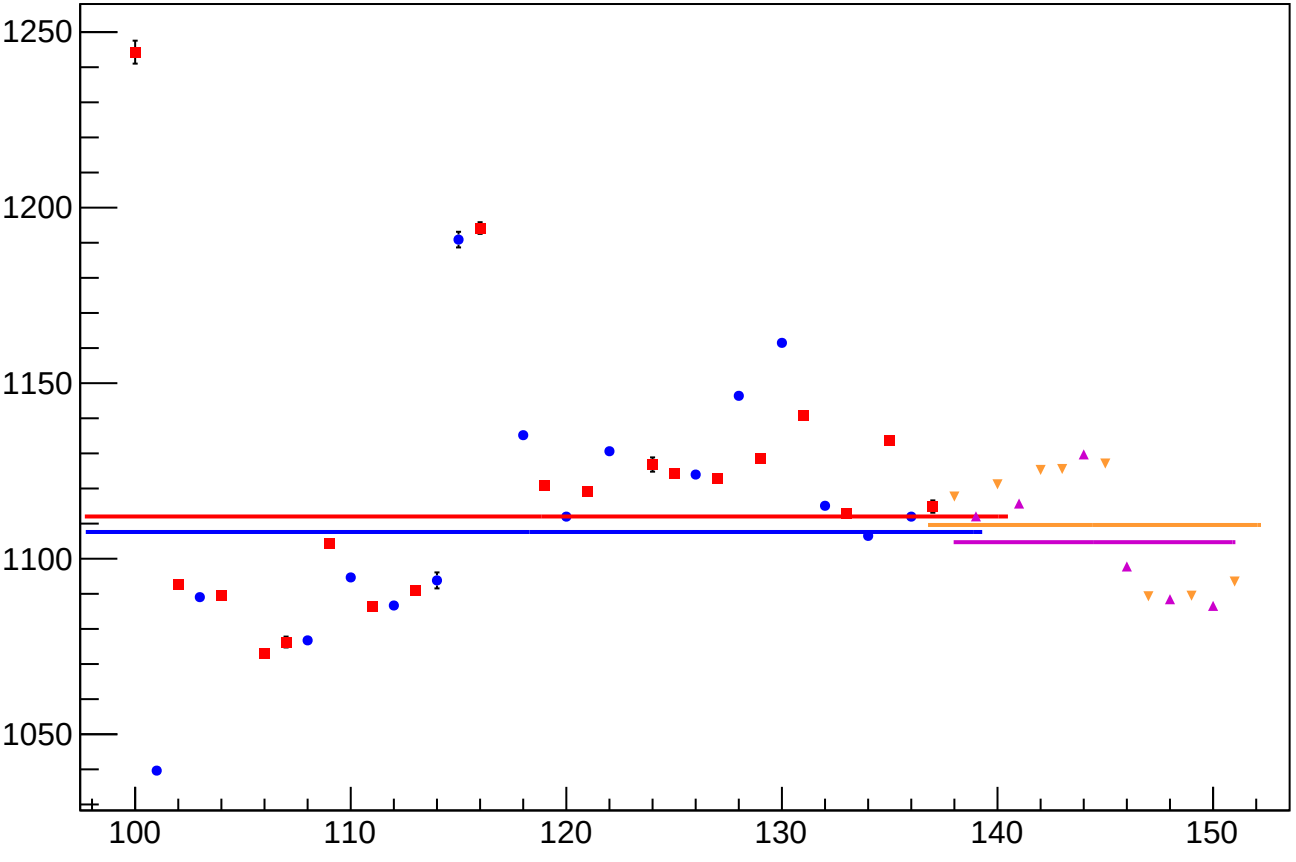
Left In: -2136.168+/-481.148 χ^2/NDF:4.7/5

+ sign 2299.974+/-302.338 χ^2/NDF: 19.1/23

All: 146.664+/-216.480 χ^2/NDF: 141.3/48

- sign -2118.741+/-310.107 χ^2/NDF: 18.1/24

dit_asym_usr_rms vs Slug



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.8/15

Left Out: 1109.611+/-0.315 χ^2/NDF:2666.5/7

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

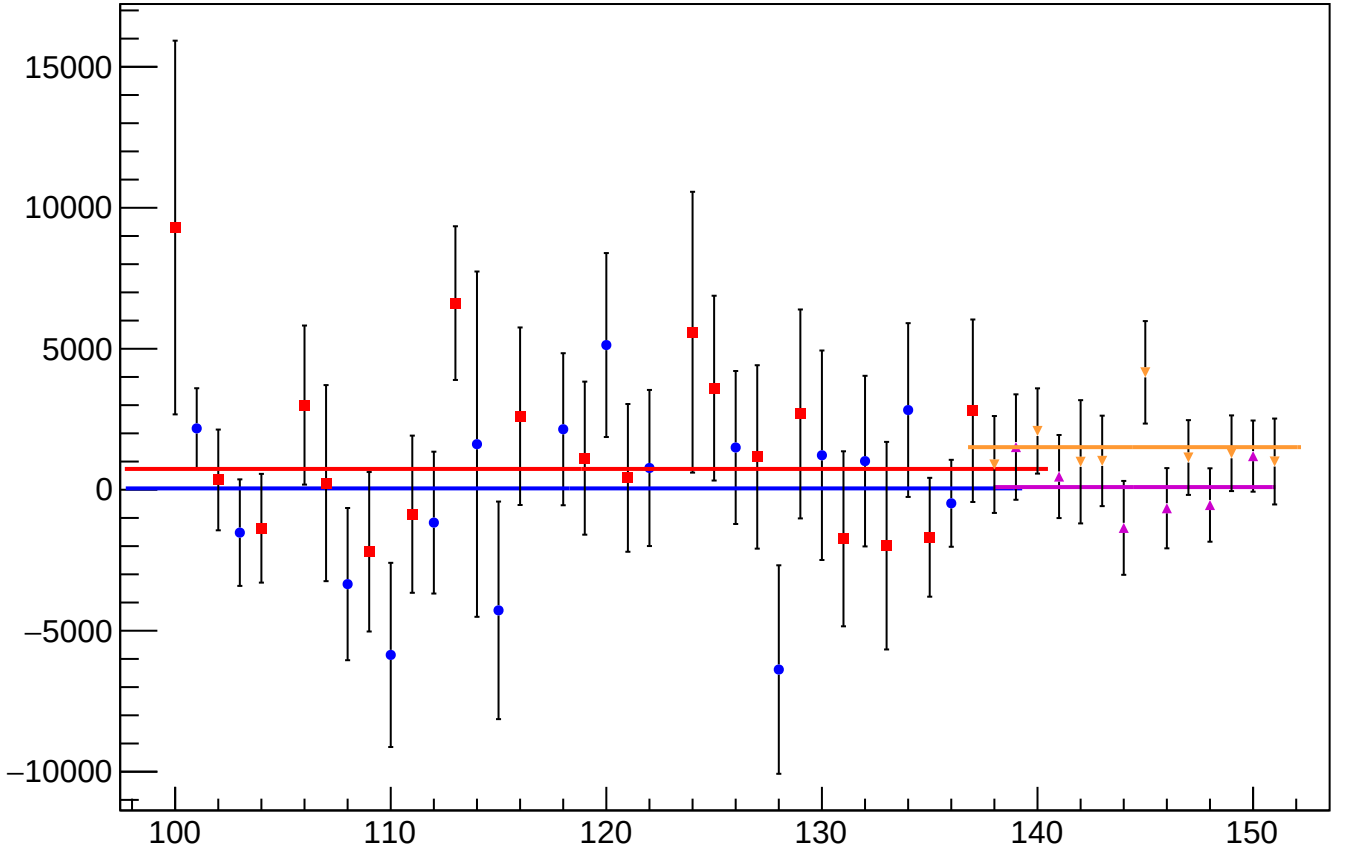
Left In: 1104.711+/-0.340 χ^2/NDF:2075.6/5

+ sign 1108.533+/-0.214 χ^2/NDF: 15909.0/23

All: 1108.755+/-0.153 χ^2/NDF: 26910.8/48

- sign 1108.989+/-0.219 χ^2/NDF: 10999.5/24

asym_usr_dit_correction_mean vs Slug



Right In: 47.817+/-628.060 χ^2/NDF: 16.9/15

Left Out: 1510.609+/-556.318 χ^2/NDF:2.8/7

Right Out: 738.185+/-647.795 χ^2/NDF: 14.9/18

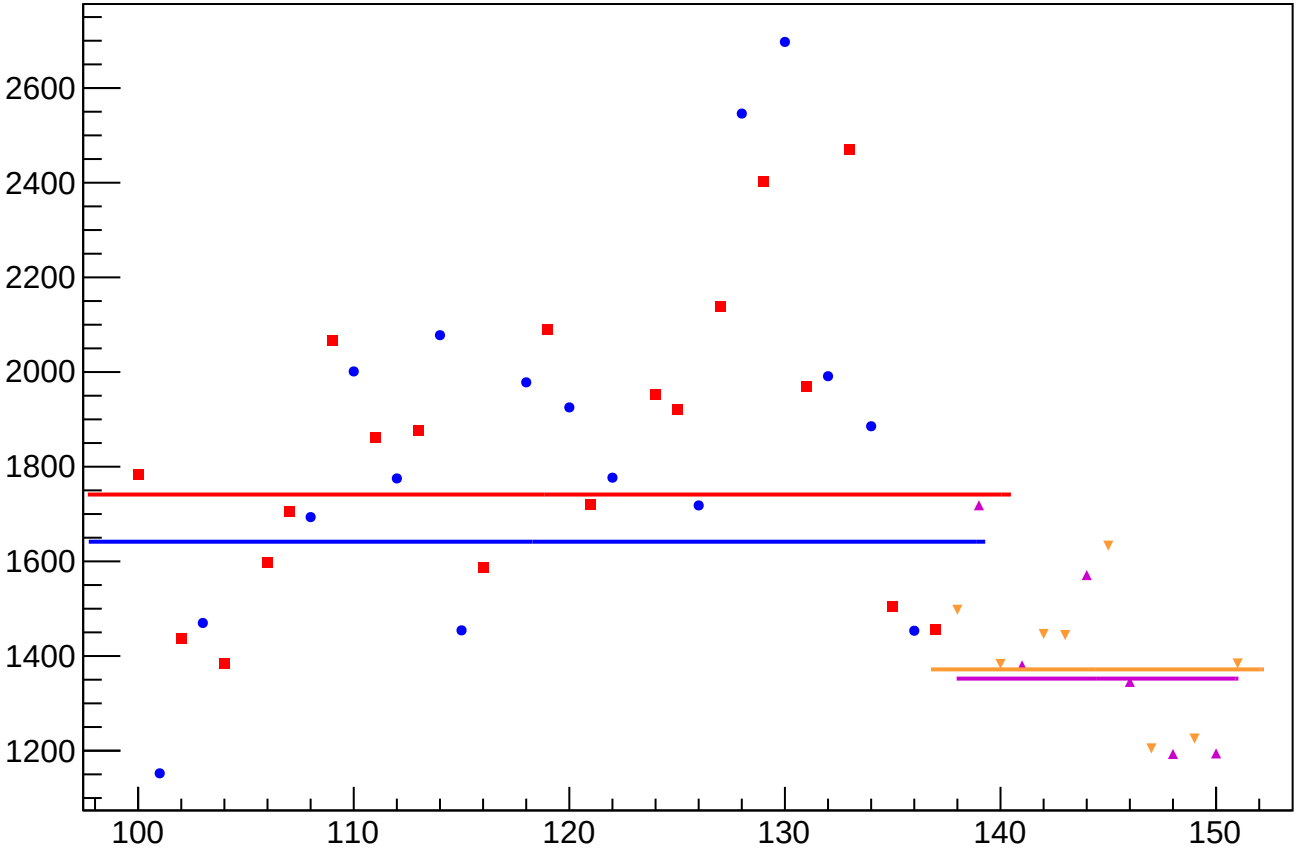
Left In: 94.821+/-595.609 χ^2/NDF:2.7/5

+ sign 867.496+/-416.441 χ^2/NDF: 22.7/23

All: 640.818+/-301.949 χ^2/NDF: 41.5/48

- sign 389.548+/-438.449 χ^2/NDF: 18.2/24

asym_usr_dit_correction_rms vs Slug



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1371.775+/-0.393 χ^2/NDF:114186.9/7

Right Out: 1741.200+/-0.458 χ^2/NDF: 438336.6/18

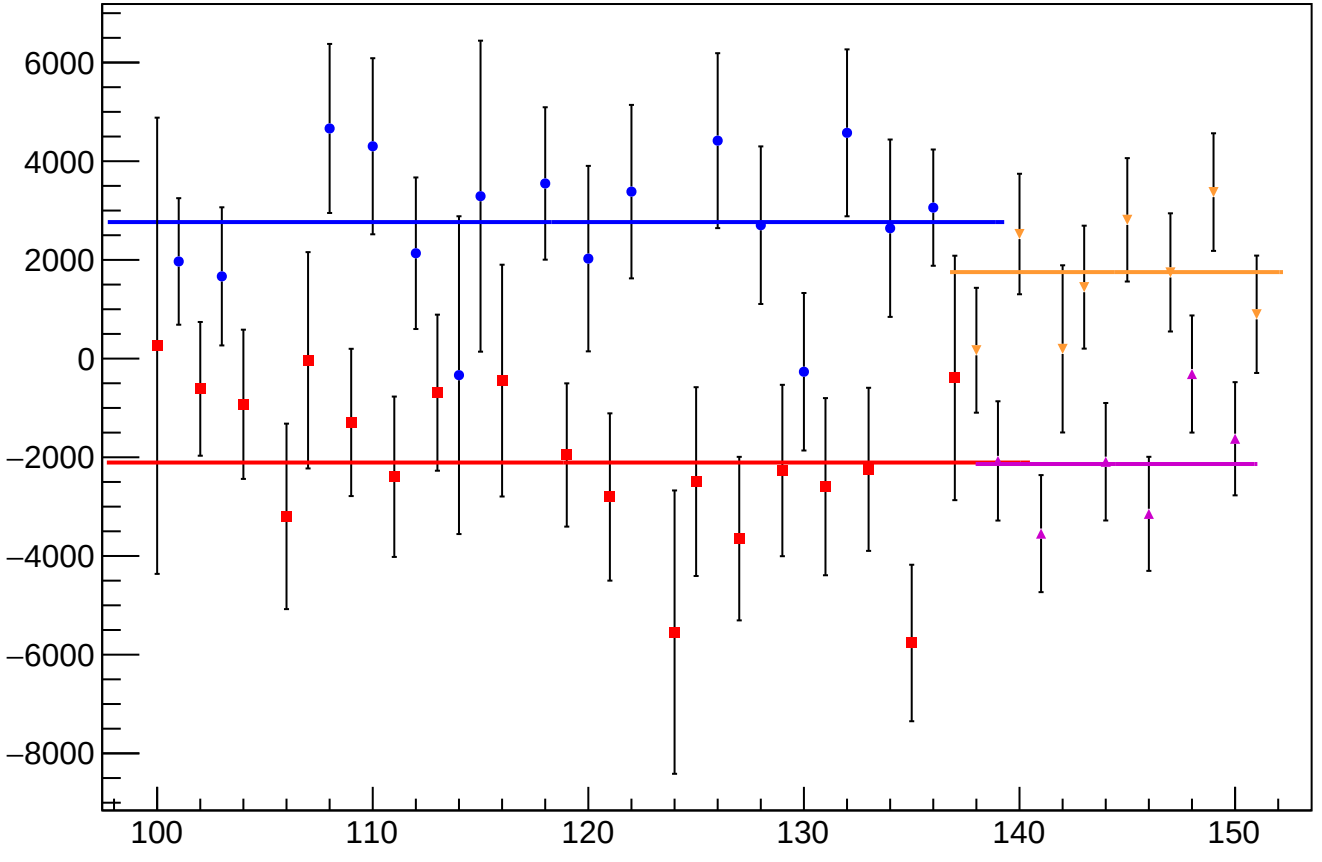
Left In: 1352.322+/-0.421 χ^2/NDF:173249.9/5

+ sign 1490.376+/-0.294 χ^2/NDF: 1022251.8/23

All: 1509.390+/-0.214 χ^2/NDF: 2033199.3/48

- sign 1530.468+/-0.310 χ^2/NDF: 1002155.7/24

eigen_dit_asym_usr_mean vs Slug



Right In: 2766.656+/-411.563 χ^2/NDF: 10.3/15

Left Out: 1752.901+/-445.604 χ^2/NDF:6.0/7

Right Out: -2106.360+/-405.586 χ^2/NDF: 13.4/18

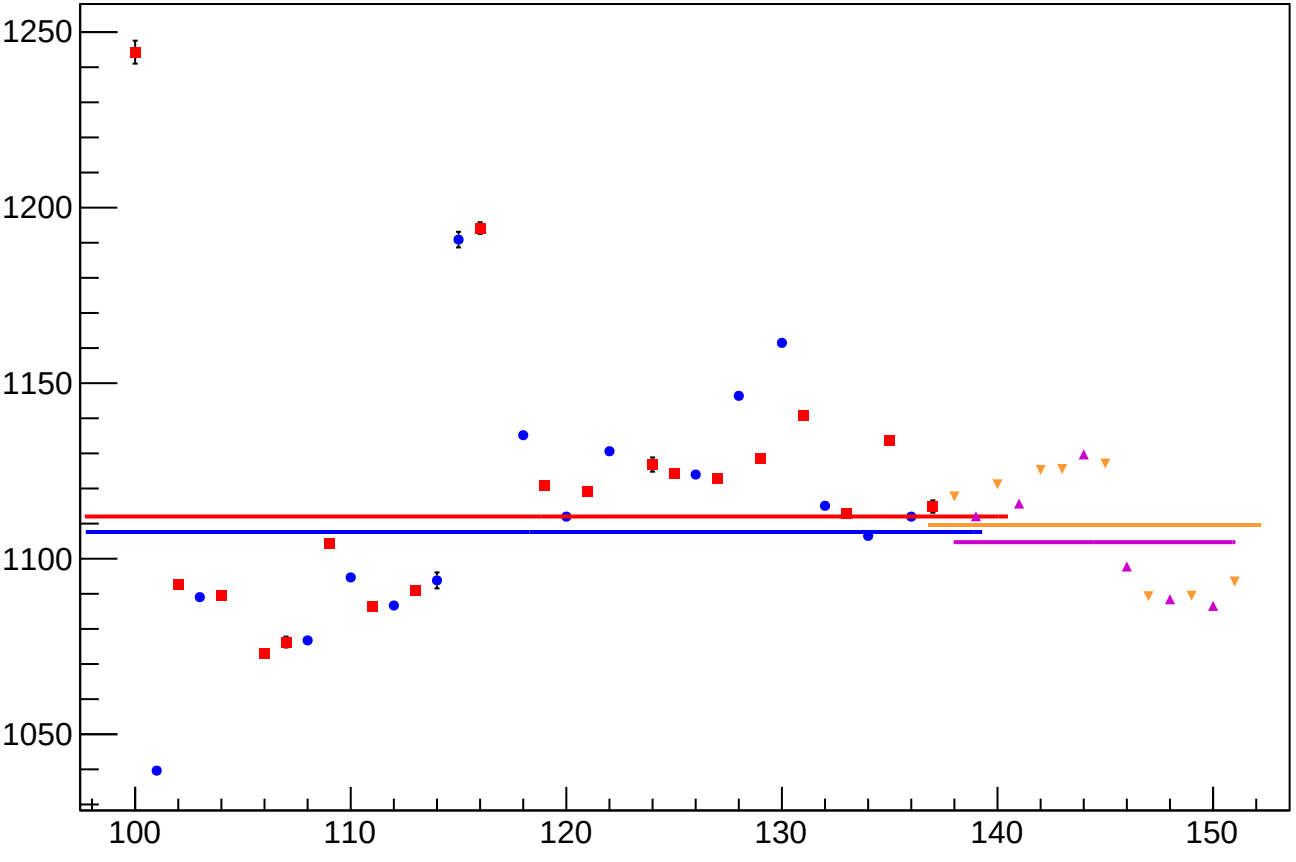
Left In: -2136.167+/-481.148 χ^2/NDF:4.7/5

+ sign 2299.975+/-302.338 χ^2/NDF: 19.1/23

All: 146.663+/-216.480 χ^2/NDF: 141.3/48

- sign -2118.742+/-310.107 χ^2/NDF: 18.1/24

eigen_dit_asym_usr_rms vs Slug



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1109.611+/-0.315 χ^2/NDF:2666.5/7

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

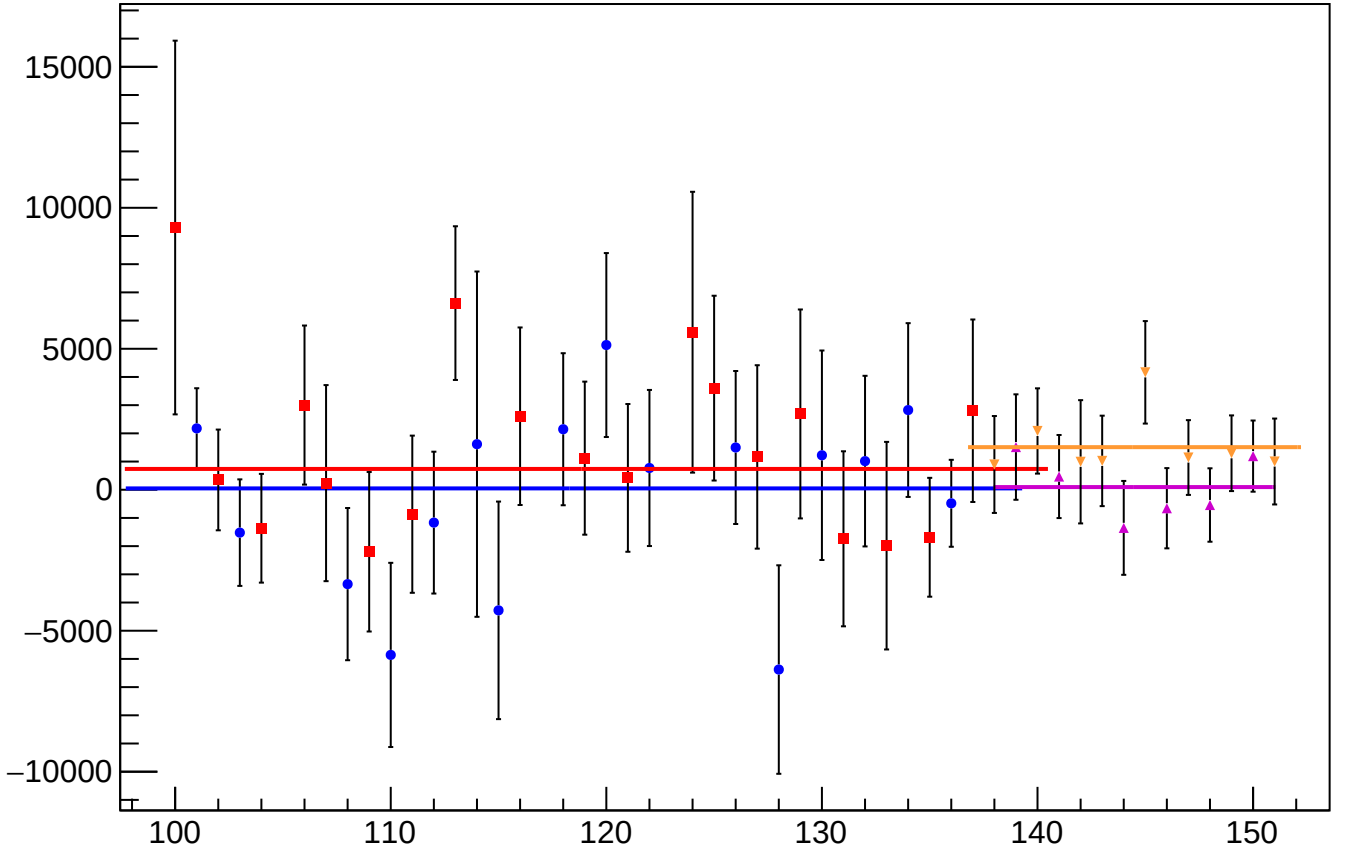
Left In: 1104.711+/-0.340 χ^2/NDF:2075.6/5

+ sign 1108.533+/-0.214 χ^2/NDF: 15908.9/23

All: 1108.755+/-0.153 χ^2/NDF: 26910.7/48

- sign 1108.989+/-0.219 χ^2/NDF: 10999.5/24

asym_usr_eigen_dit_correction_mean vs Slug



Right In: 47.813+/-628.059 χ^2/NDF: 16.9/15

Left Out: 1510.609+/-556.319 χ^2/NDF:2.8/7

Right Out: 738.188+/-647.795 χ^2/NDF: 14.9/18

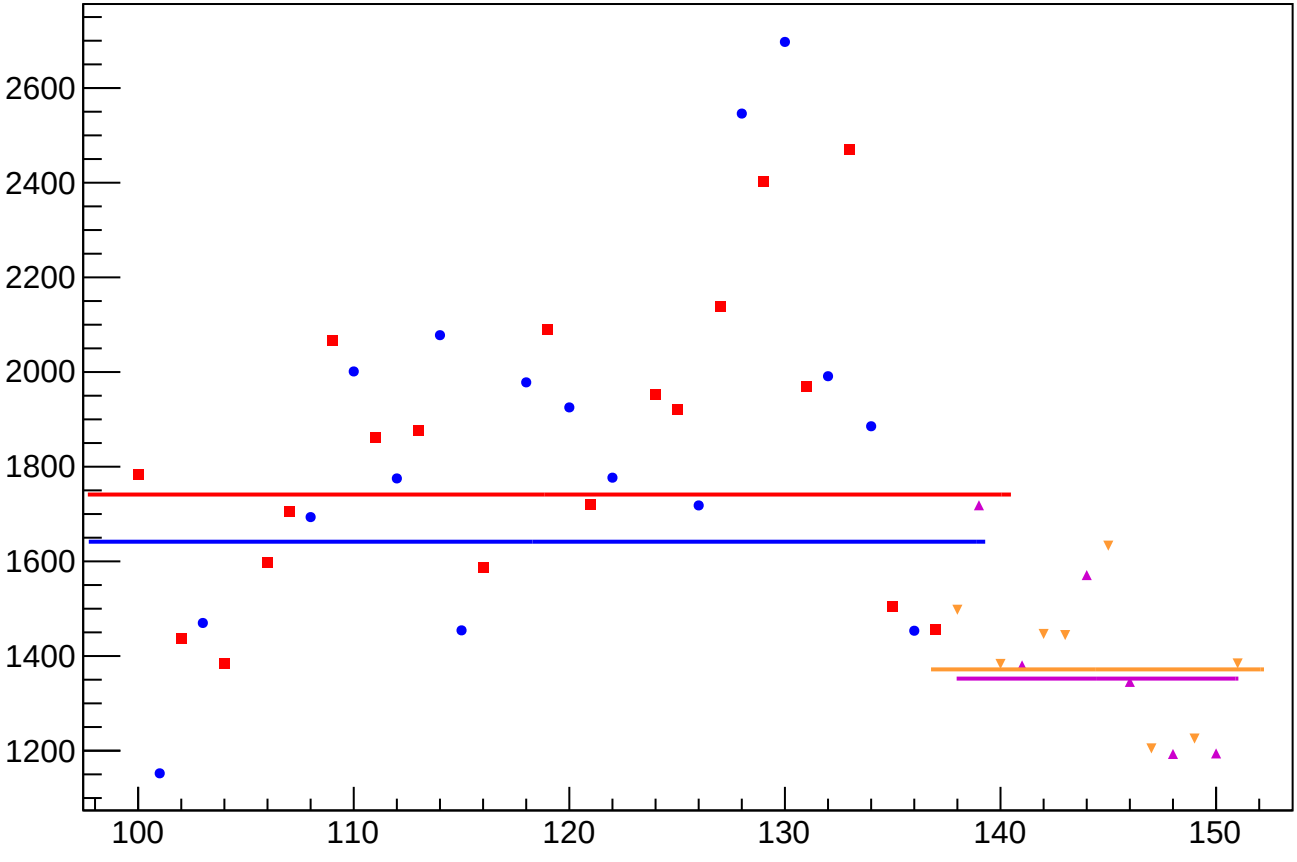
Left In: 94.821+/-595.610 χ^2/NDF:2.7/5

+ sign 867.492+/-416.441 χ^2/NDF: 22.7/23

All: 640.817+/-301.949 χ^2/NDF: 41.5/48

- sign 389.550+/-438.450 χ^2/NDF: 18.2/24

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1371.777+/-0.393 χ^2/NDF:114188.8/7

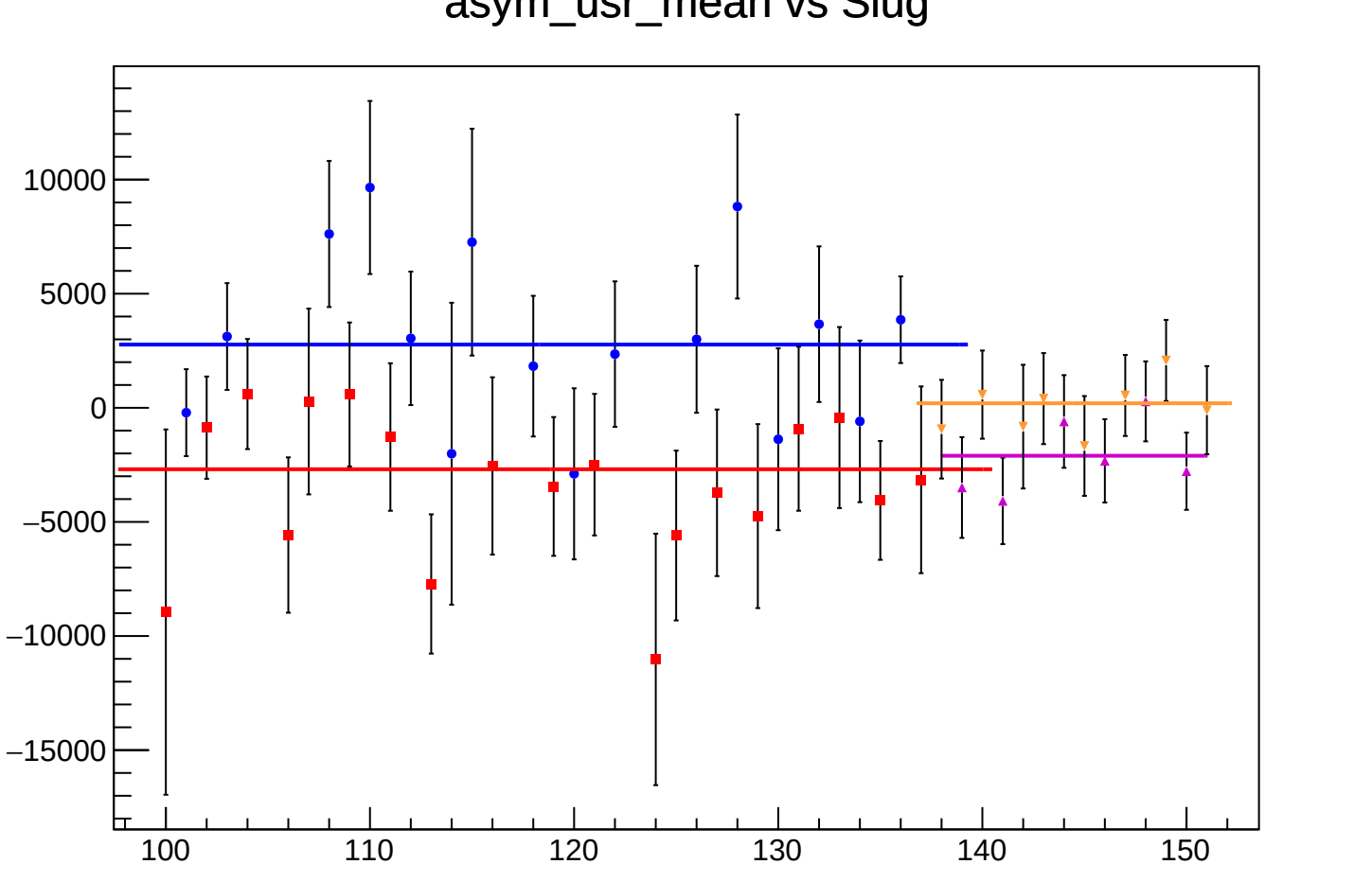
Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1352.324+/-0.421 χ^2/NDF:173252.6/5

+ sign 1490.377+/-0.294 χ^2/NDF: 1022234.3/23

All: 1509.392+/-0.214 χ^2/NDF: 2033164.6/48

- sign 1530.470+/-0.310 χ^2/NDF: 1002138.3/24



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: 198.667+/-710.658 χ^2/NDF:2.4/7

Right Out: -2692.625+/-765.754 χ^2/NDF: 12.5/18

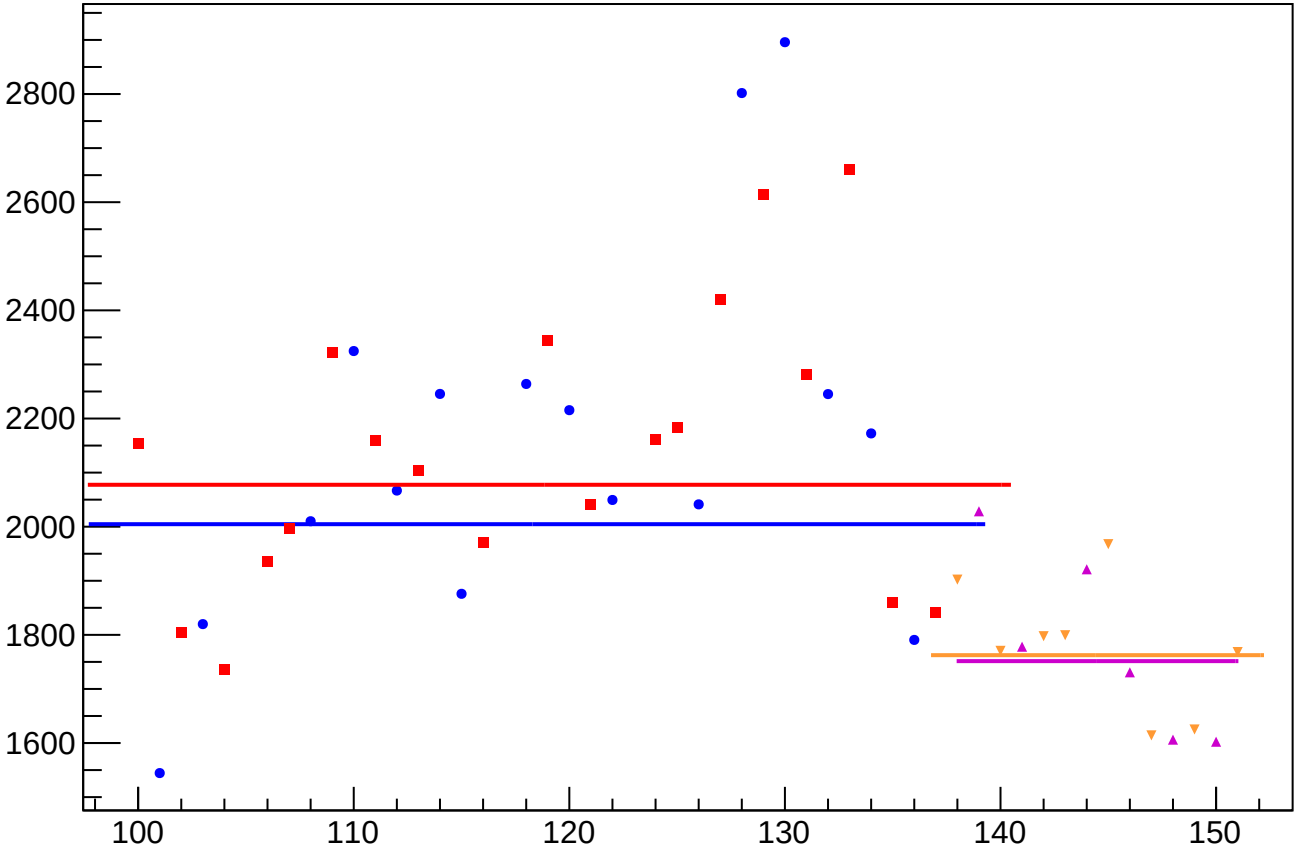
Left In: -2101.306+/-766.509 χ^2/NDF:4.1/5

+ sign 1403.016+/-518.155 χ^2/NDF: 24.9/23

All: -412.610+/-374.450 χ^2/NDF: 67.5/48

- sign -2397.257+/-541.736 χ^2/NDF: 16.9/24

asym_usr_rms vs Slug



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1762.455+/-0.503 χ^2/NDF:52933.9/7

Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

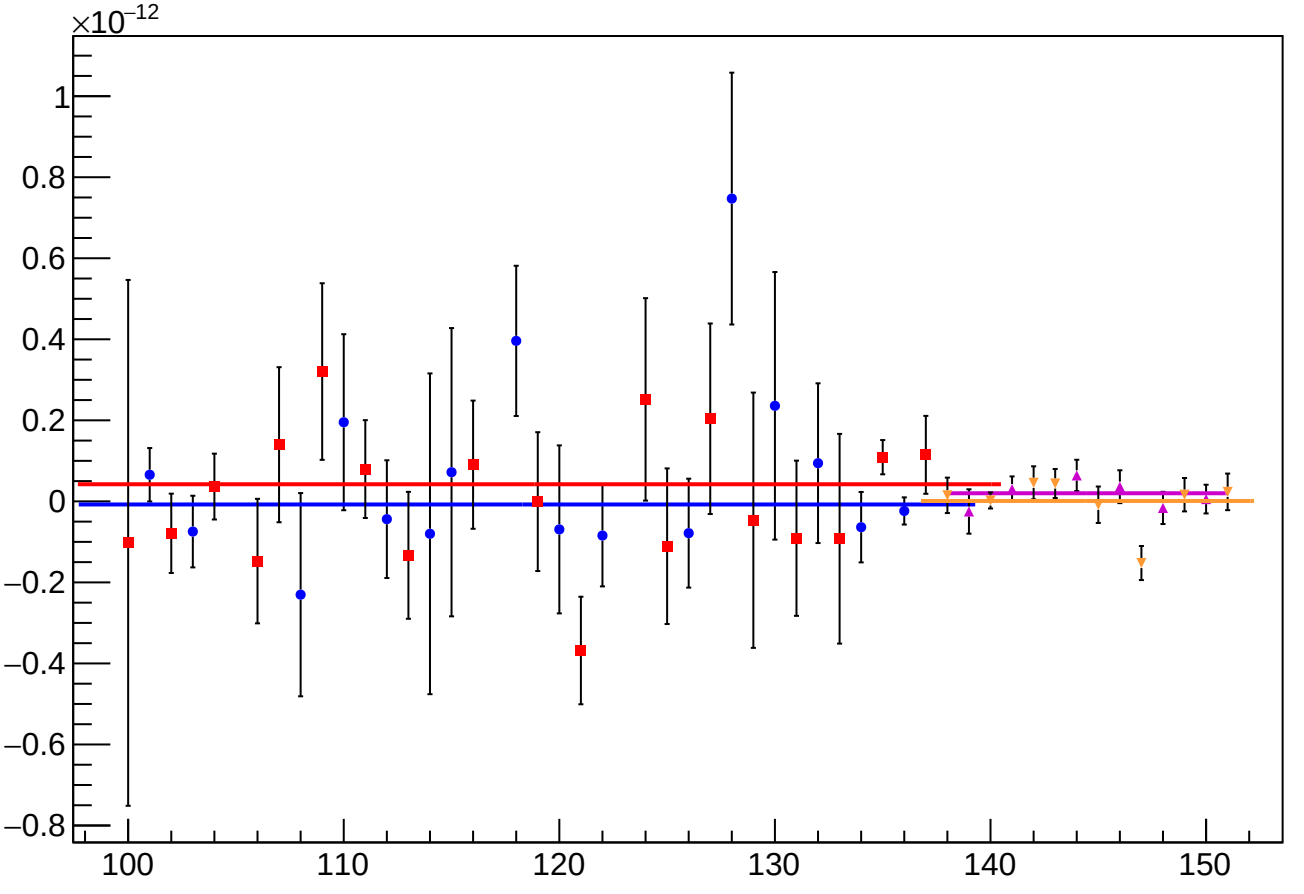
Left In: 1751.430+/-0.542 χ^2/NDF:75395.7/5

+ sign 1875.888+/-0.366 χ^2/NDF: 549291.3/23

All: 1894.396+/-0.265 χ^2/NDF: 1041650.3/48

- sign 1914.626+/-0.383 χ^2/NDF: 487018.4/24

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:16.5/7

Right Out: 0.000+/-0.000 χ^2/NDF: 21.8/18

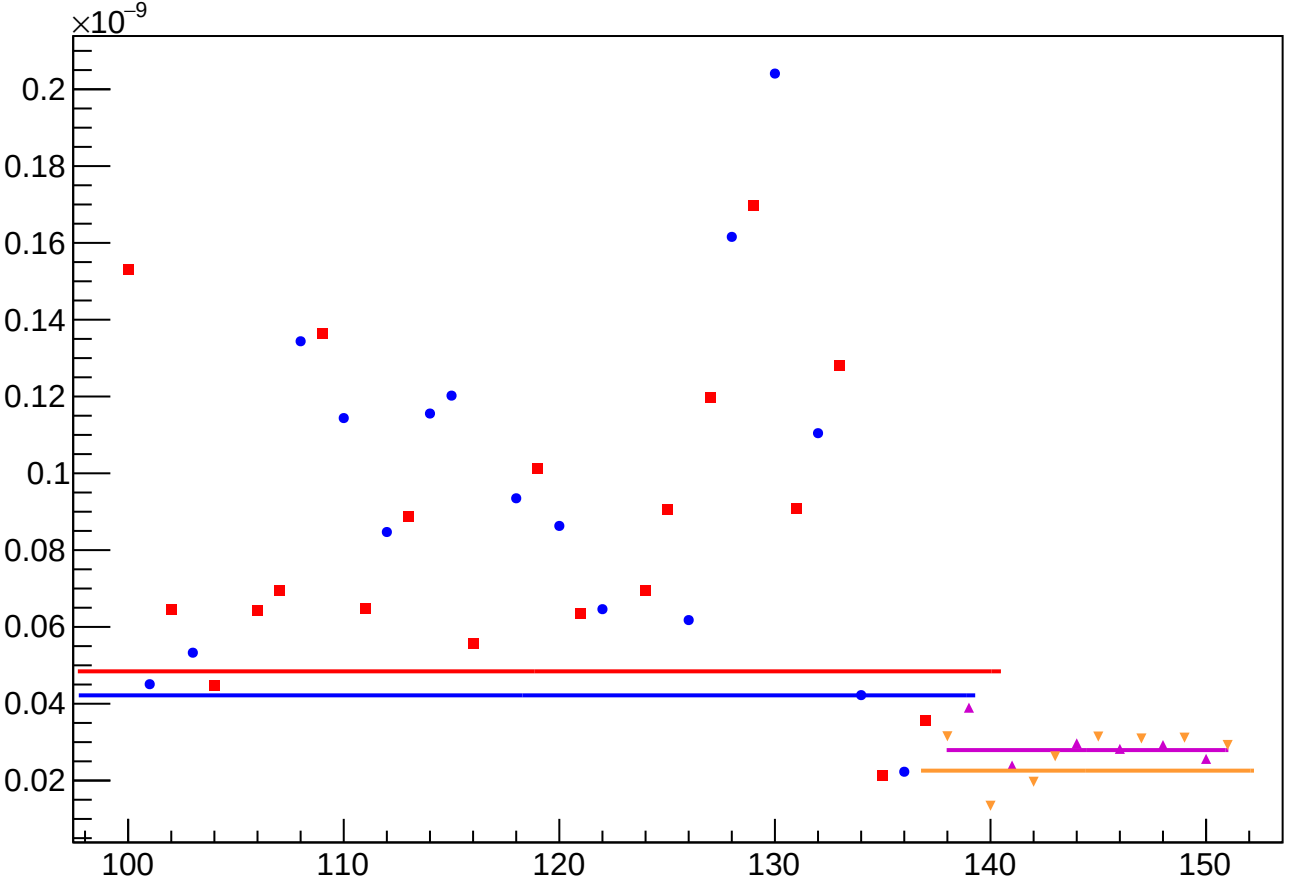
Left In: 0.000+/-0.000 χ^2/NDF:3.2/5

+ sign -0.000+/-0.000 χ^2/NDF: 33.0/23

All: 0.000+/-0.000 χ^2/NDF: 60.8/48

- sign 0.000+/-0.000 χ^2/NDF: 25.5/24

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:829481.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2604483.4/18

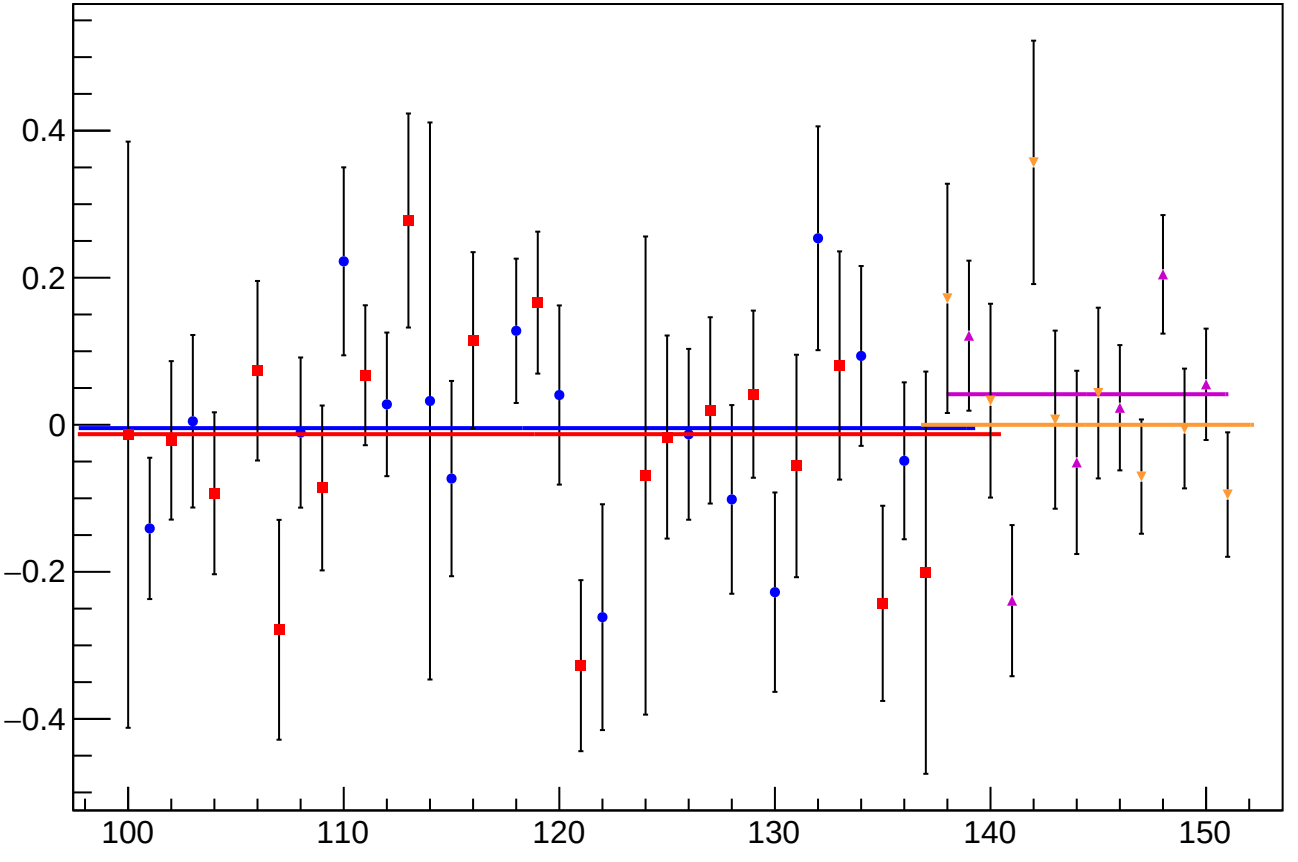
Left In: 0.000+/-0.000 χ^2/NDF:128770.5/5

+ sign 0.000+/-0.000 χ^2/NDF: 4799694.6/23

All: 0.000+/-0.000 χ^2/NDF: 8673179.8/48

- sign 0.000+/-0.000 χ^2/NDF: 3594085.6/24

asym_usr_dit_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.037 χ^2/NDF:8.2/7

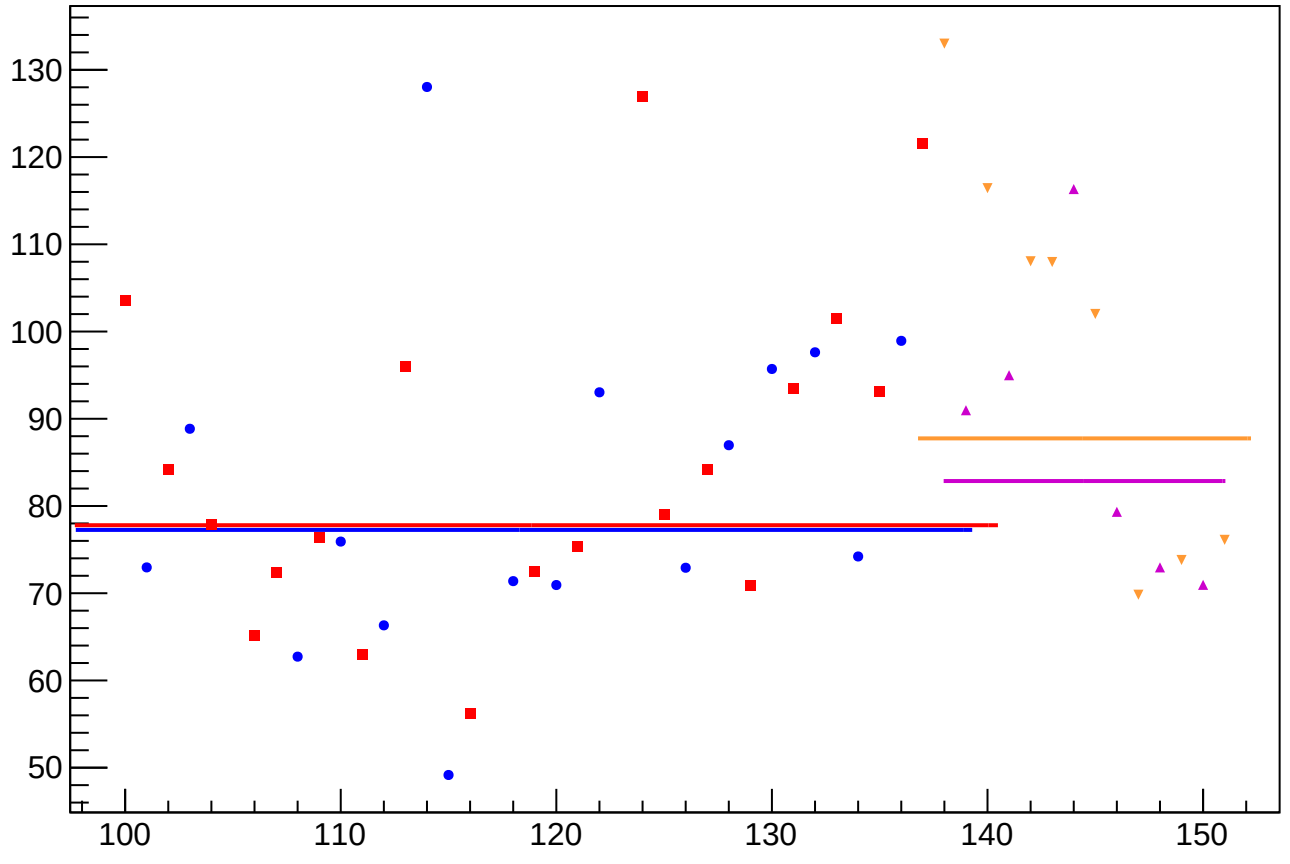
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.042+/-0.037 χ^2/NDF:12.8/5

+ sign -0.003+/-0.023 χ^2/NDF: 25.5/23

All: 0.003+/-0.016 χ^2/NDF: 65.1/48

- sign 0.008+/-0.023 χ^2/NDF: 39.6/24



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 87.750+/-0.026 χ^2/NDF:581958.2/7

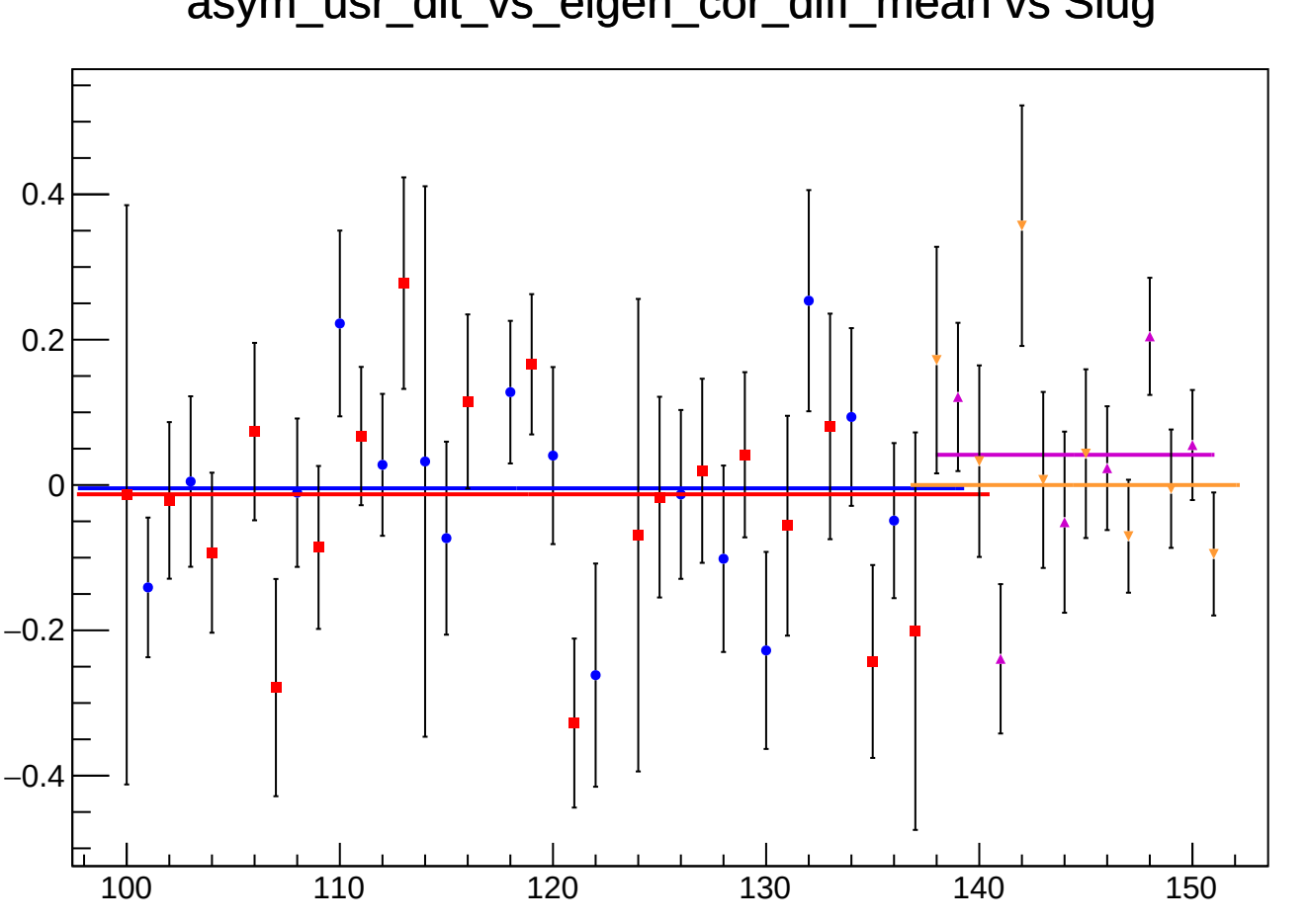
Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 82.862+/-0.026 χ^2/NDF:267762.3/5

+ sign 81.439+/-0.016 χ^2/NDF: 1098381.1/23

All: 80.601+/-0.012 χ^2/NDF: 1790385.3/48

- sign 79.768+/-0.016 χ^2/NDF: 686845.0/24



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.037 χ^2/NDF:8.2/7

Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

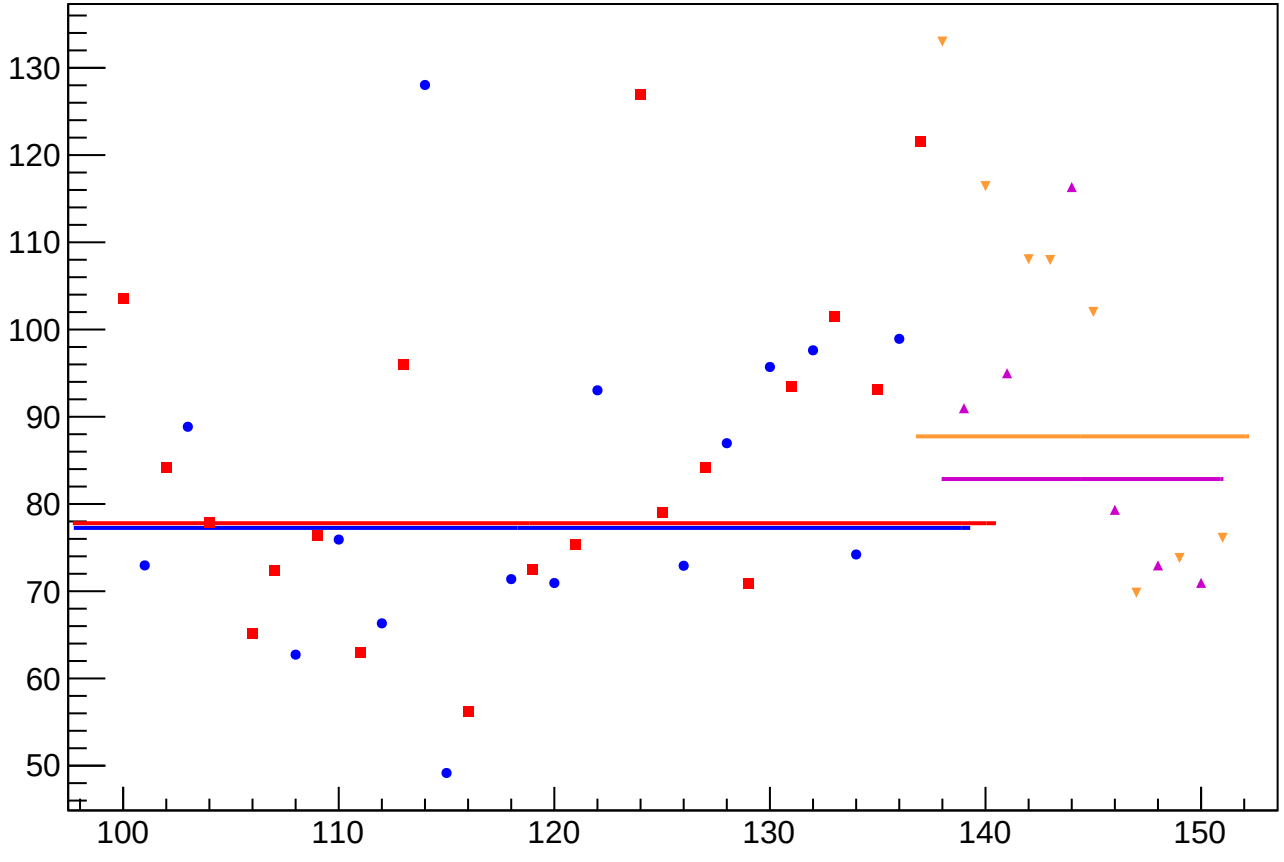
Left In: 0.042+/-0.037 χ^2/NDF:12.8/5

+ sign -0.003+/-0.023 χ^2/NDF: 25.5/23

All: 0.003+/-0.016 χ^2/NDF: 65.1/48

- sign 0.008+/-0.023 χ^2/NDF: 39.6/24

asym_usr_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 87.750+/-0.026 χ^2/NDF:581958.2/7

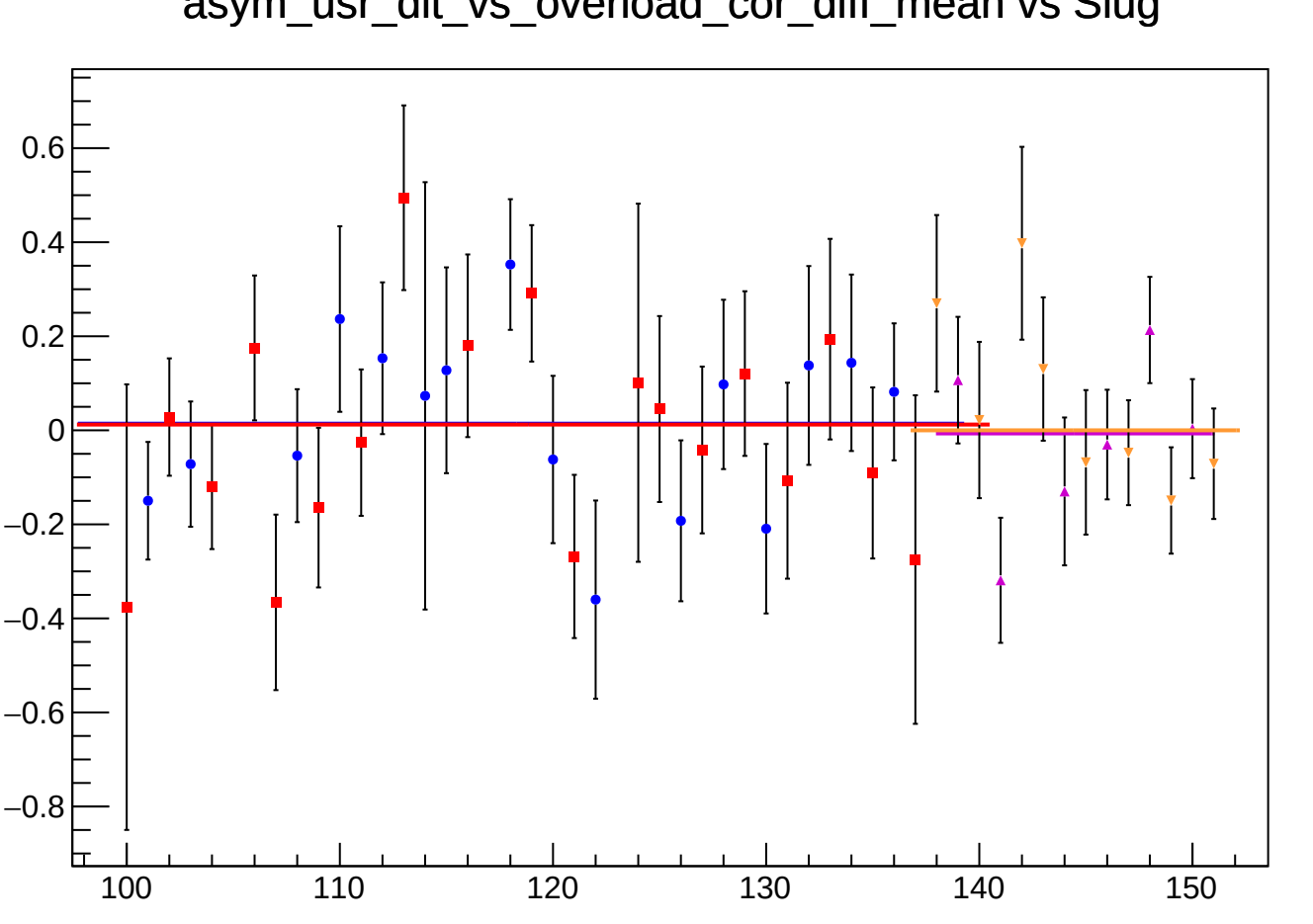
Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 82.862+/-0.026 χ^2/NDF:267762.3/5

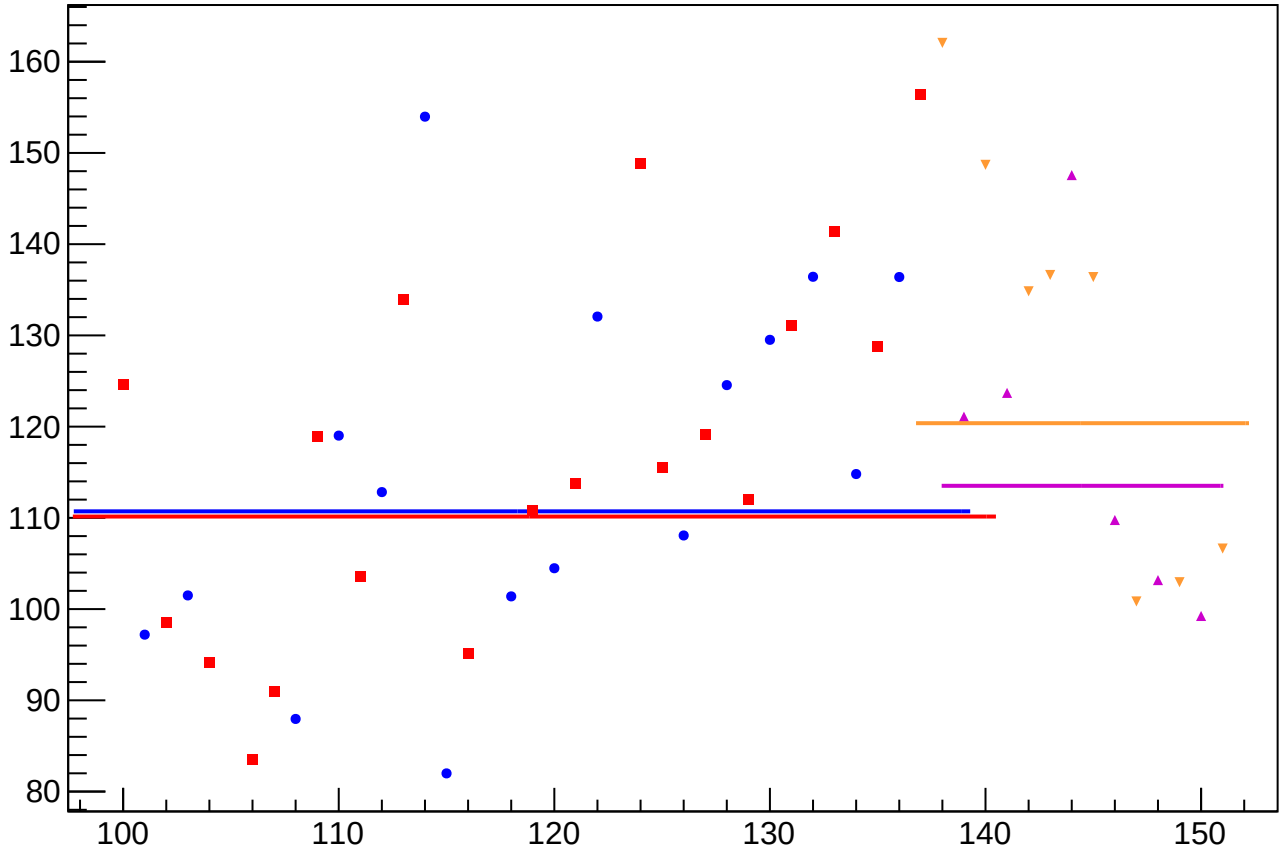
+ sign 81.439+/-0.016 χ^2/NDF: 1098381.1/23

All: 80.601+/-0.012 χ^2/NDF: 1790385.3/48

- sign 79.768+/-0.016 χ^2/NDF: 686845.0/24


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
Right In: 0.014+/-0.042 χ²/NDF: 18.2/15
Left Out: -0.000+/-0.050 χ²/NDF:9.1/7
Right Out: 0.012+/-0.041 χ²/NDF: 23.8/18
Left In: -0.007+/-0.050 χ²/NDF:10.7/5
+ sign 0.008+/-0.032 χ²/NDF: 27.3/23
All: 0.006+/-0.023 χ²/NDF: 61.8/48
- sign 0.005+/-0.032 χ²/NDF: 34.5/24

asym_usr_dit_vs_overload_cor_diff_rms vs Slug



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 120.377+/-0.035 χ^2/NDF:347307.0/7

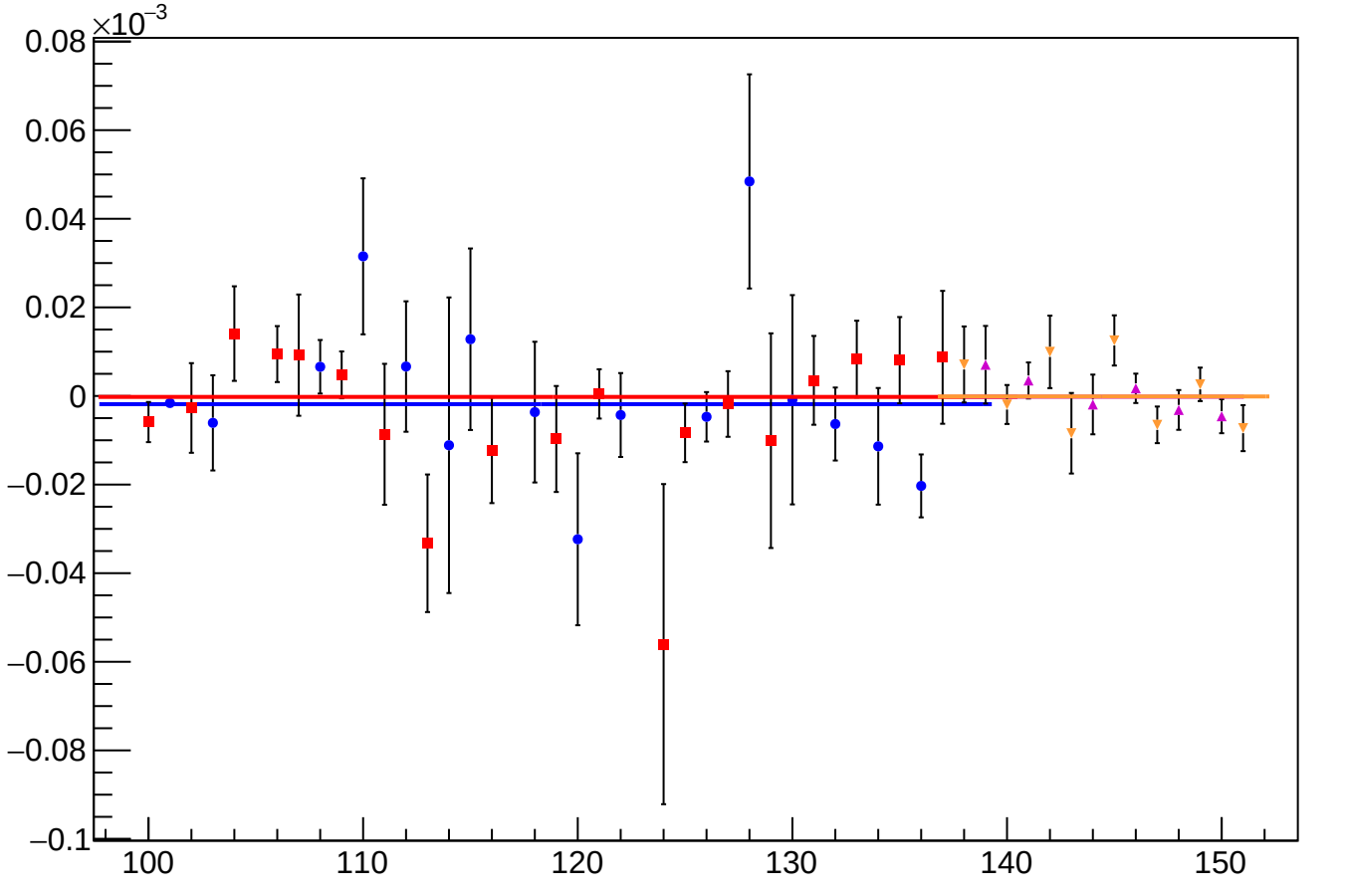
Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 113.514+/-0.036 χ^2/NDF:167427.8/5

+ sign 114.770+/-0.023 χ^2/NDF: 691139.3/23

All: 113.121+/-0.016 χ^2/NDF: 1201037.9/48

- sign 111.500+/-0.023 χ^2/NDF: 499504.1/24



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.0/7

Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

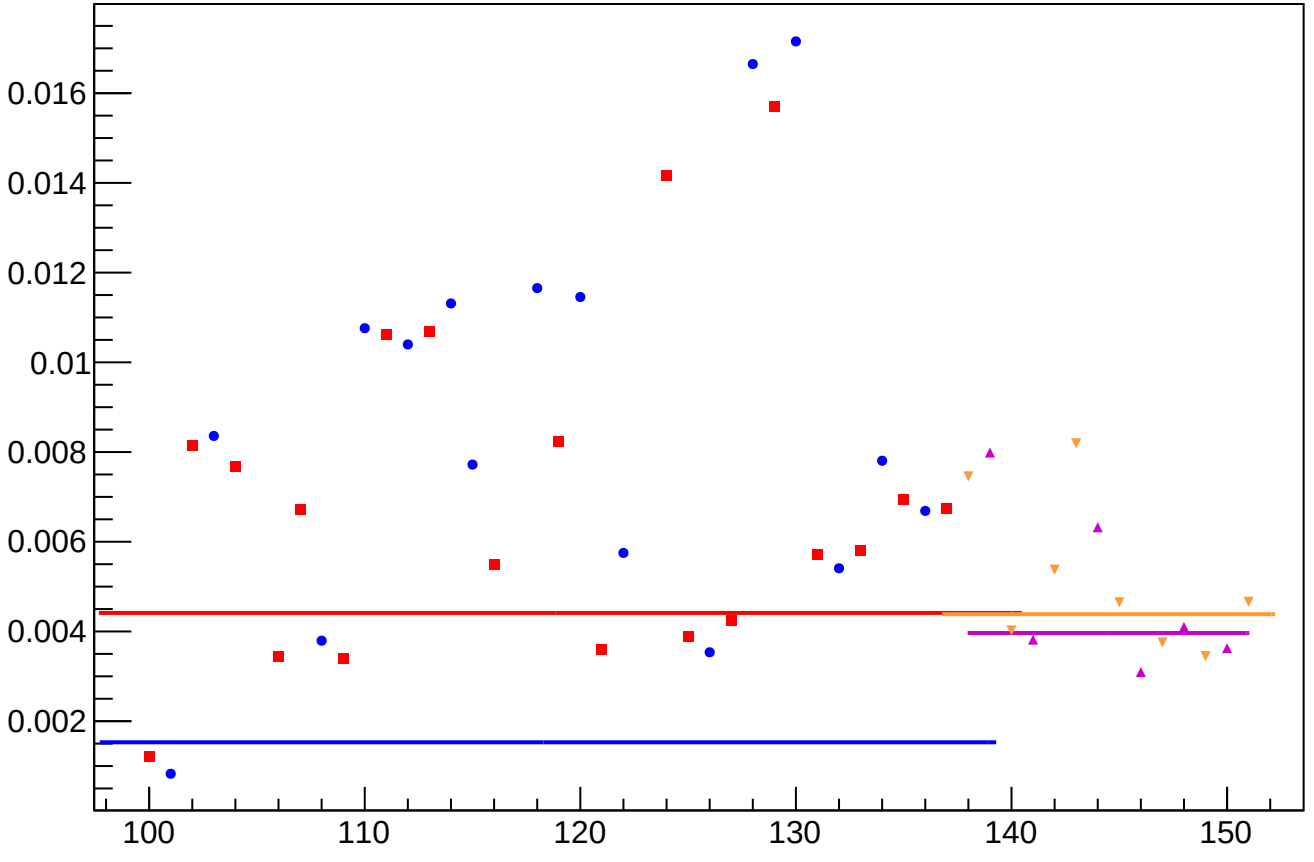
Left In: -0.000+/-0.000 χ^2/NDF:3.6/5

+ sign -0.000+/-0.000 χ^2/NDF: 35.1/23

All: -0.000+/-0.000 χ^2/NDF: 59.3/48

- sign -0.000+/-0.000 χ^2/NDF: 23.5/24

asym_usr_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 9222940.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:829180.6/7

Right Out: 0.004+/-0.000 χ^2/NDF: 3388069.5/18

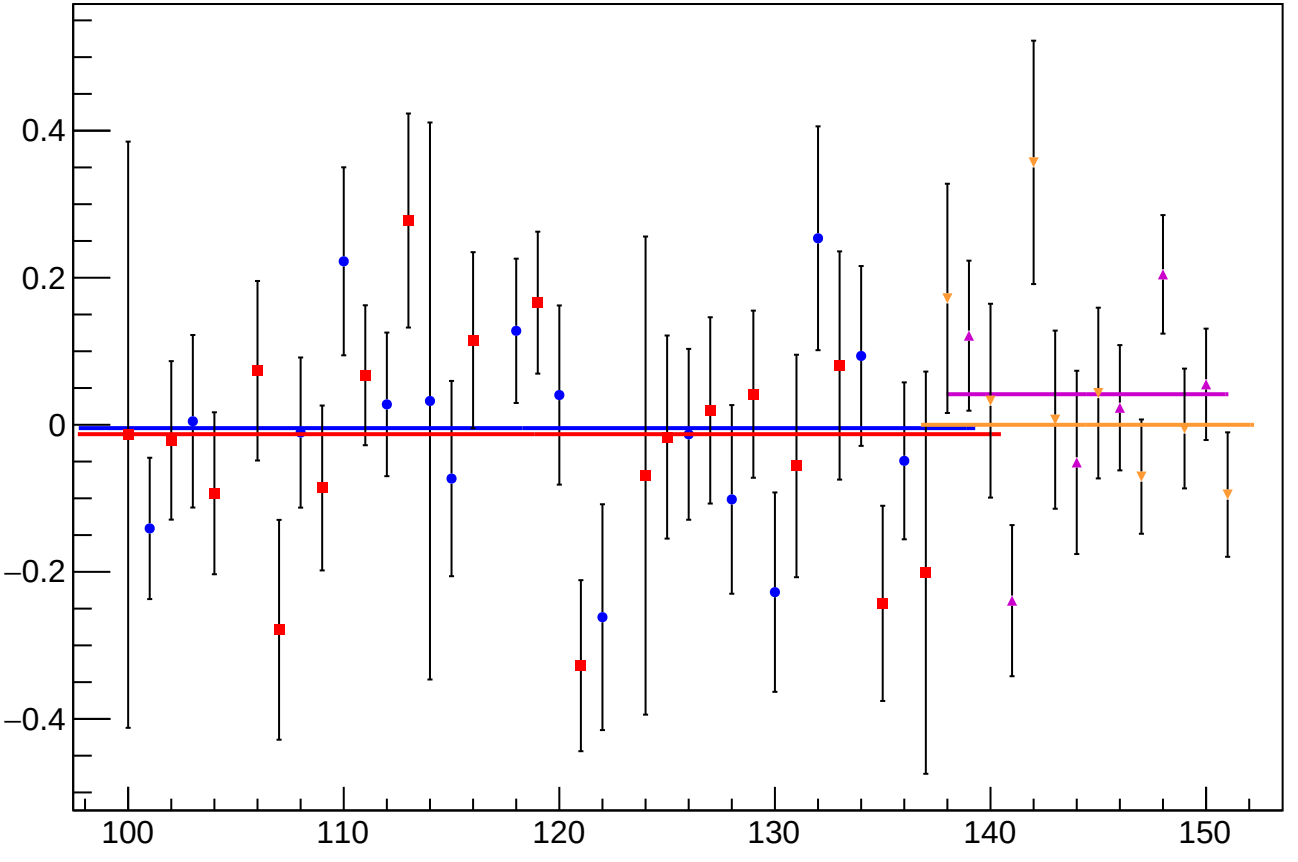
Left In: 0.004+/-0.000 χ^2/NDF:824135.2/5

+ sign 0.002+/-0.000 χ^2/NDF: 13756653.9/23

All: 0.003+/-0.000 χ^2/NDF: 21350515.4/48

- sign 0.004+/-0.000 χ^2/NDF: 4269518.0/24

asym_usr_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.037 χ^2/NDF:8.2/7

Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

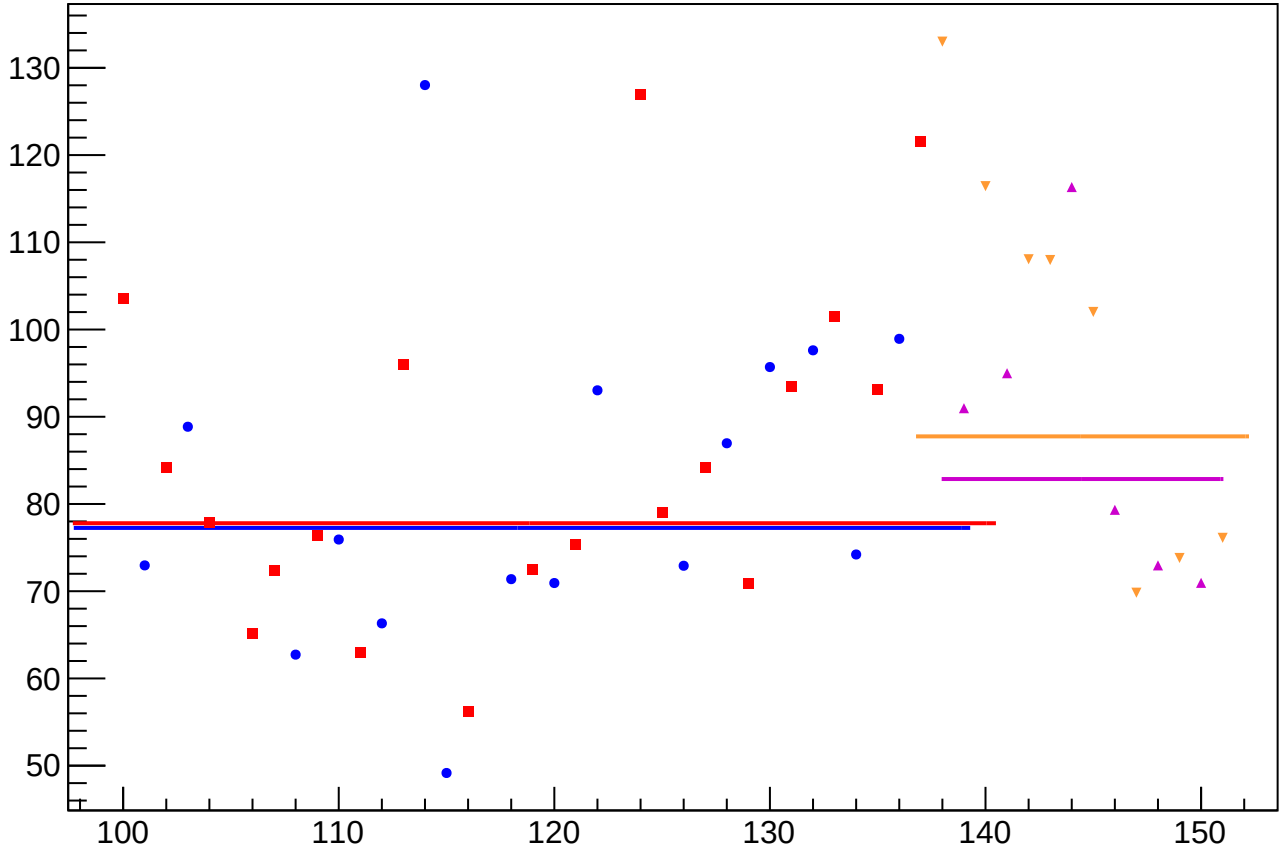
Left In: 0.042+/-0.037 χ^2/NDF:12.8/5

+ sign -0.003+/-0.023 χ^2/NDF: 25.5/23

All: 0.003+/-0.016 χ^2/NDF: 65.1/48

- sign 0.008+/-0.023 χ^2/NDF: 39.6/24

asym_usr_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 87.750+/-0.026 χ^2/NDF:581969.2/7

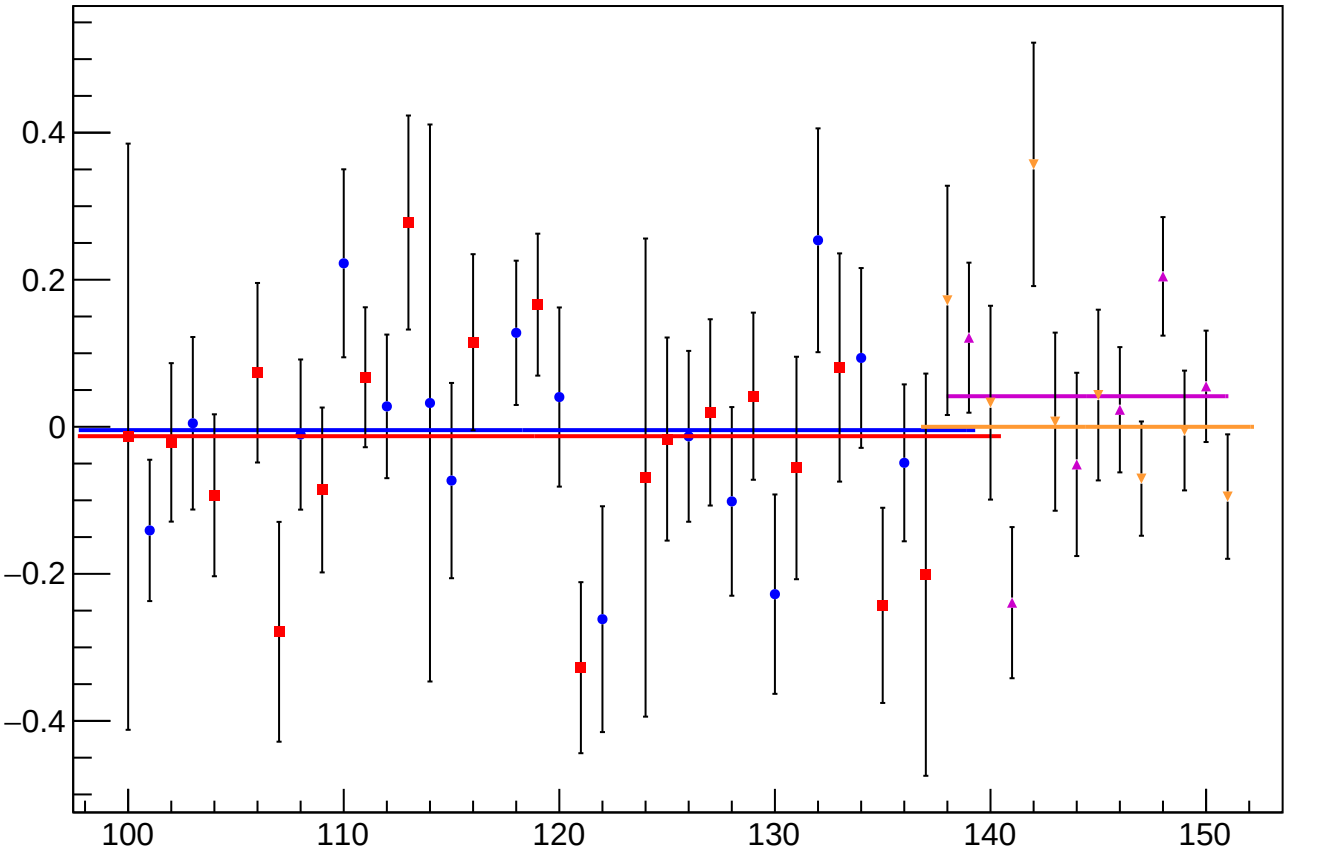
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 82.862+/-0.026 χ^2/NDF:267772.5/5

+ sign 81.438+/-0.016 χ^2/NDF: 1098410.4/23

All: 80.600+/-0.012 χ^2/NDF: 1790436.0/48

- sign 79.767+/-0.016 χ^2/NDF: 686866.1/24



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.037 χ^2/NDF:8.2/7

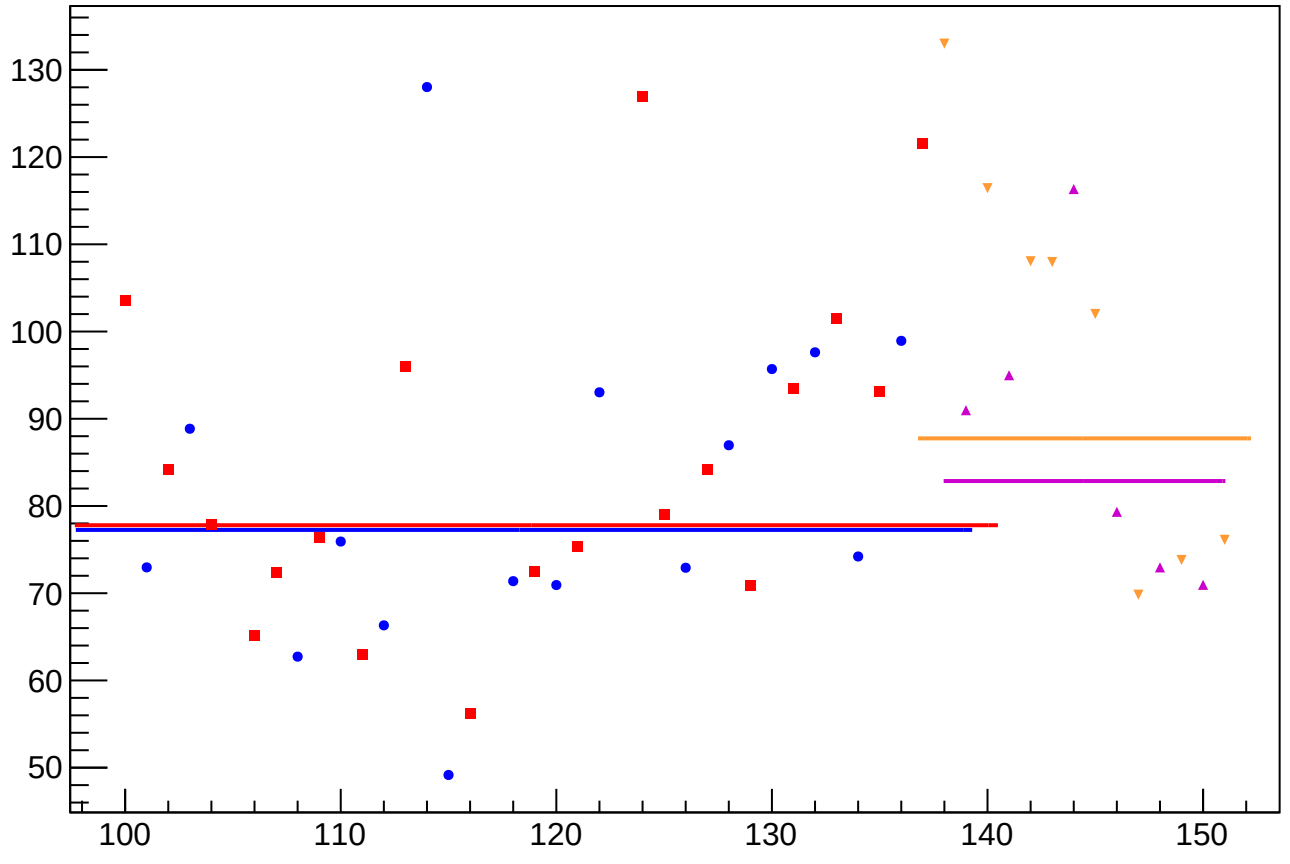
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.042+/-0.037 χ^2/NDF:12.8/5

+ sign -0.003+/-0.023 χ^2/NDF: 25.5/23

All: 0.003+/-0.016 χ^2/NDF: 65.1/48

- sign 0.008+/-0.023 χ^2/NDF: 39.6/24



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 87.750+/-0.026 χ^2/NDF:581969.2/7

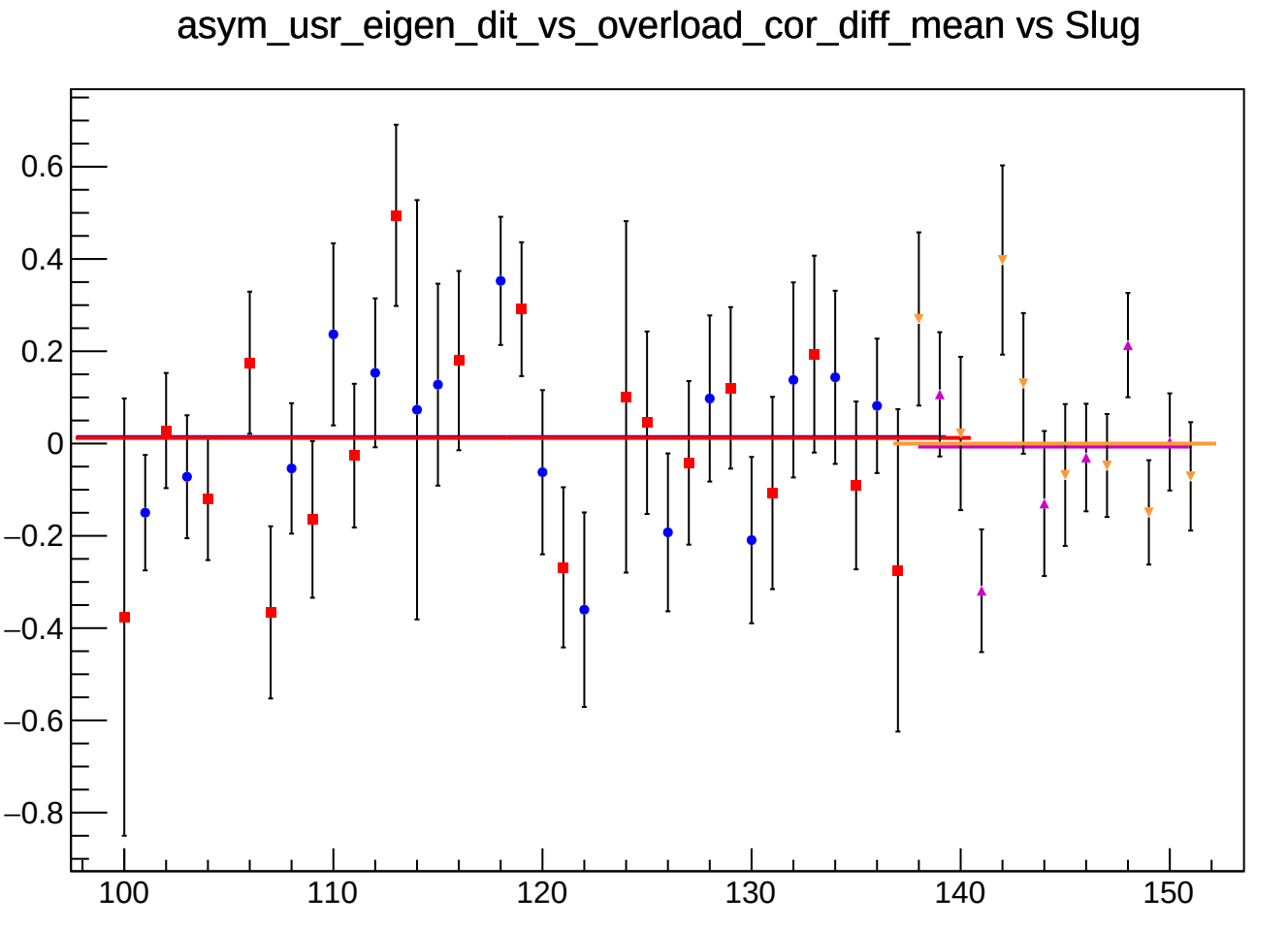
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 82.862+/-0.026 χ^2/NDF:267772.5/5

+ sign 81.438+/-0.016 χ^2/NDF: 1098410.4/23

All: 80.600+/-0.012 χ^2/NDF: 1790436.0/48

- sign 79.767+/-0.016 χ^2/NDF: 686866.1/24



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.050 χ^2/NDF:9.1/7

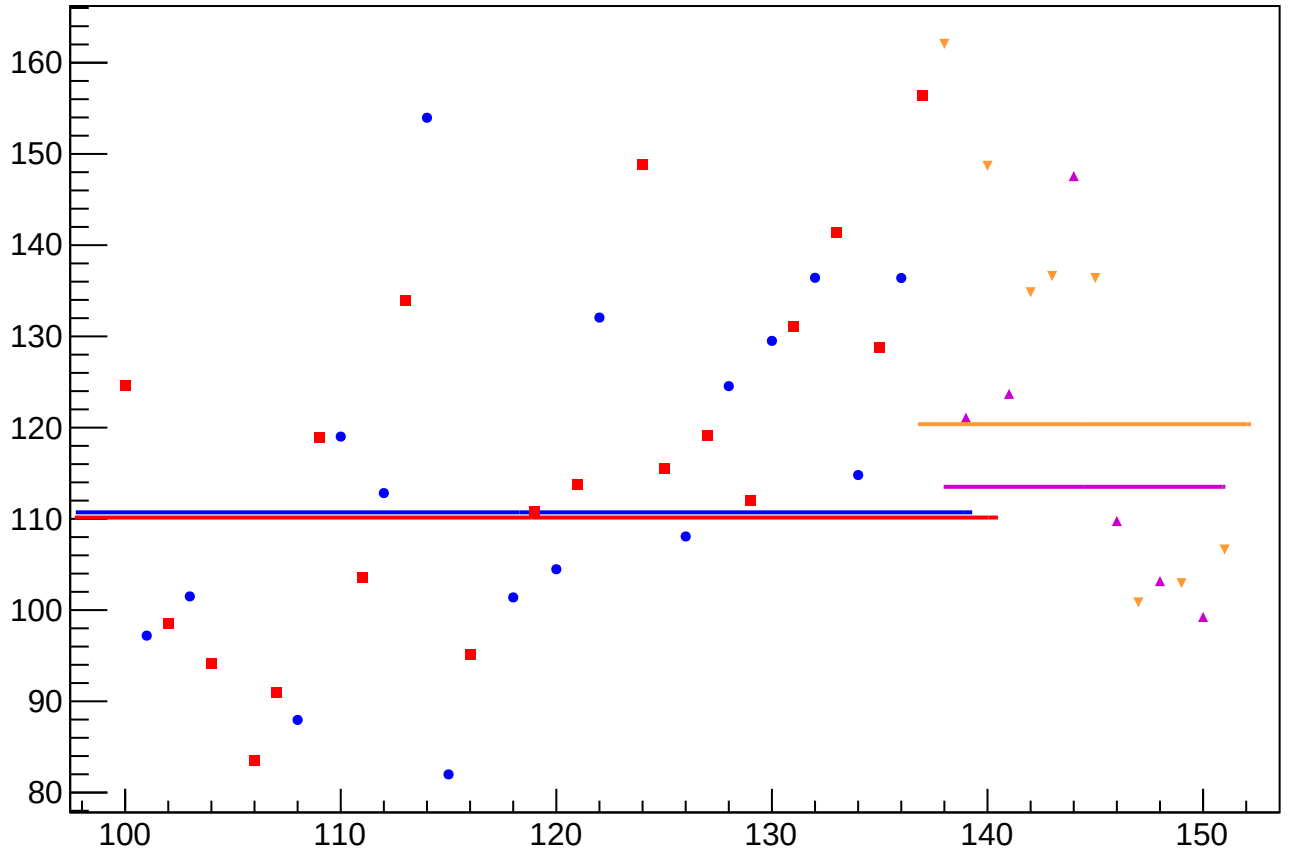
Right Out: 0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: -0.007+/-0.050 χ^2/NDF:10.7/5

+ sign 0.008+/-0.032 χ^2/NDF: 27.3/23

All: 0.006+/-0.023 χ^2/NDF: 61.8/48

- sign 0.005+/-0.032 χ^2/NDF: 34.5/24



Right In: 110.714+/-0.030 χ^2/NDF: 299948.2/15

Left Out: 120.377+/-0.035 χ^2/NDF:347309.8/7

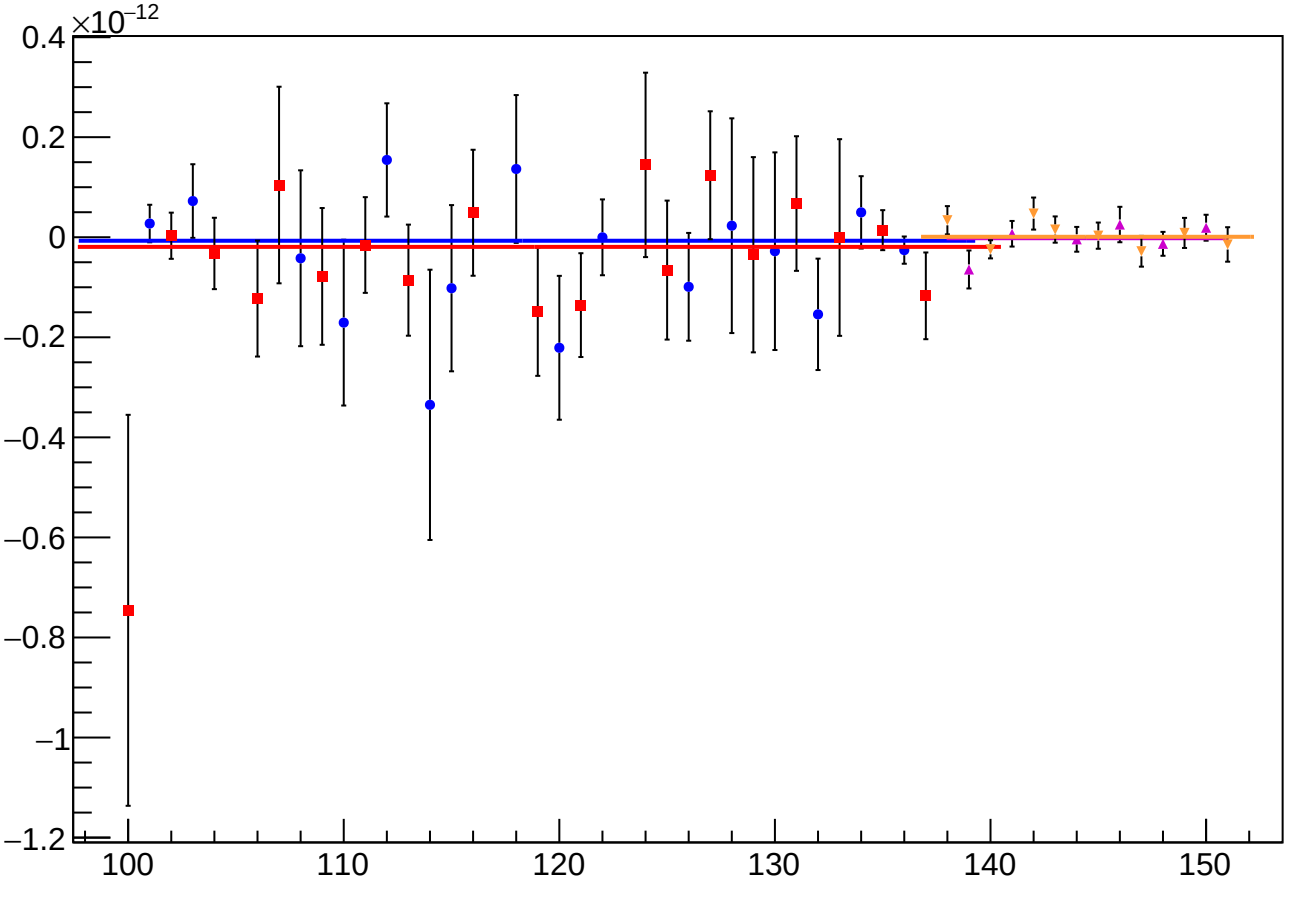
Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 113.514+/-0.036 χ^2/NDF:167432.8/5

+ sign 114.769+/-0.023 χ^2/NDF: 691126.8/23

All: 113.121+/-0.016 χ^2/NDF: 1201002.9/48

- sign 111.499+/-0.023 χ^2/NDF: 499481.9/24



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

Left Out: 0.000+/-0.000 χ^2/NDF:6.8/7

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

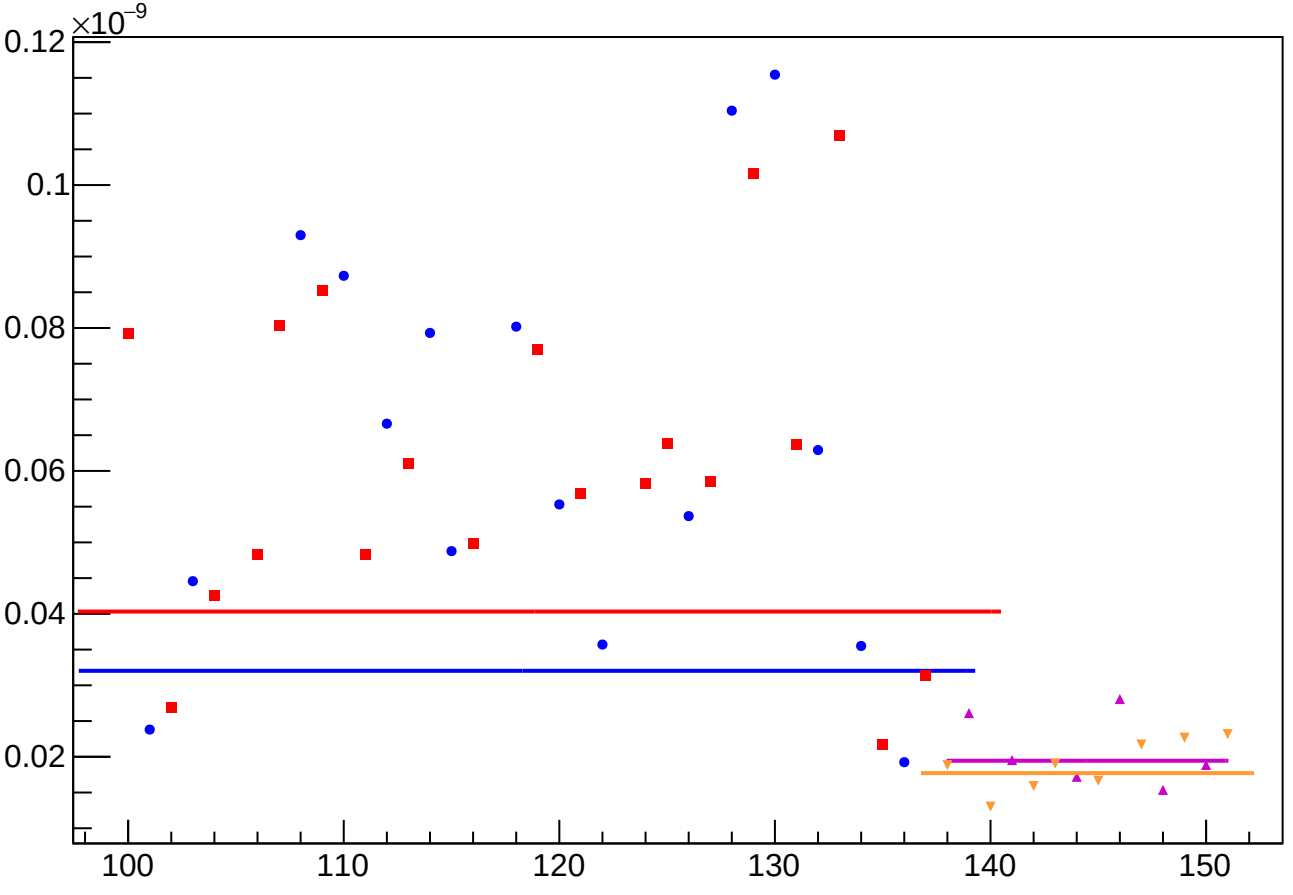
Left In: -0.000+/-0.000 χ^2/NDF:4.3/5

+ sign -0.000+/-0.000 χ^2/NDF: 20.6/23

All: -0.000+/-0.000 χ^2/NDF: 38.2/48

- sign -0.000+/-0.000 χ^2/NDF: 17.4/24

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:290488.9/7

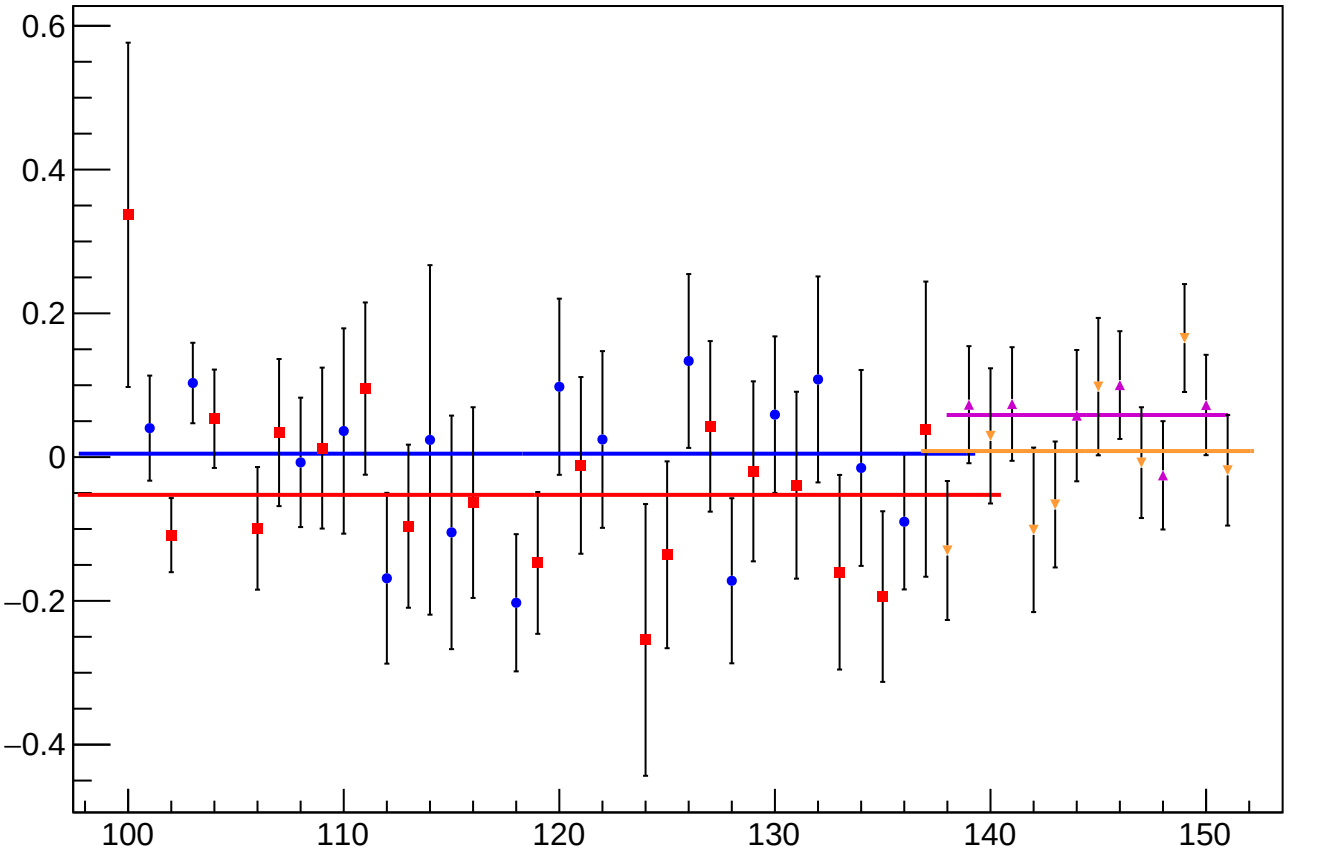
Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

Left In: 0.000+/-0.000 χ^2/NDF:256449.1/5

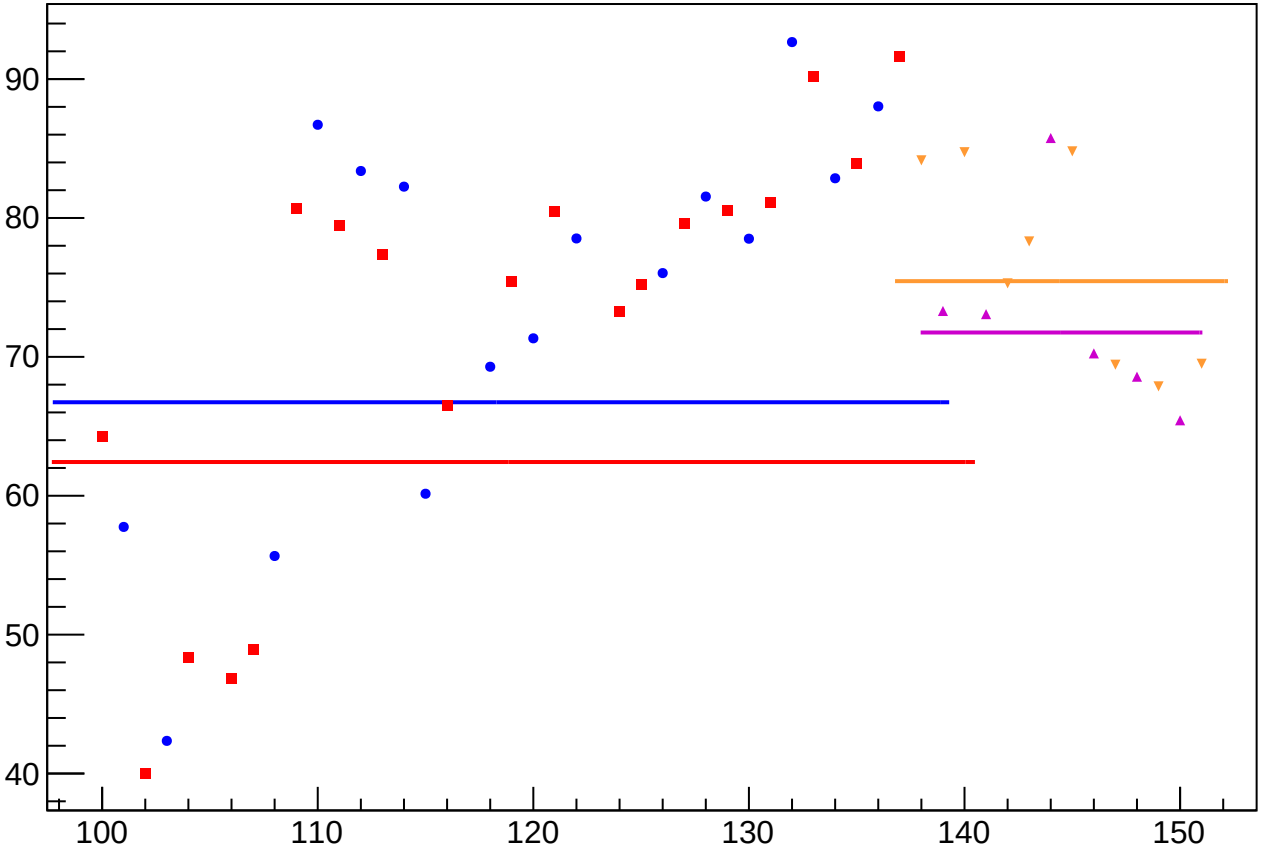
+ sign 0.000+/-0.000 χ^2/NDF: 3748175.0/23

All: 0.000+/-0.000 χ^2/NDF: 7516597.6/48

- sign 0.000+/-0.000 χ^2/NDF: 3644515.1/24


asym_usr_overload_cor_vs_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
Right In: 0.005+/-0.026 χ²/NDF: 16.6/15
Left Out: 0.008+/-0.031 χ²/NDF:9.2/7
Right Out: -0.053+/-0.024 χ²/NDF: 14.8/18
Left In: 0.059+/-0.032 χ²/NDF:1.7/5
+ sign 0.006+/-0.020 χ²/NDF: 25.8/23
All: -0.003+/-0.014 χ²/NDF: 50.5/48
- sign -0.012+/-0.019 χ²/NDF: 24.2/24

asym_usr_overload_cor_vs_cor_diff_rms vs Slug



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 75.452+/-0.022 χ^2/NDF:101471.4/7

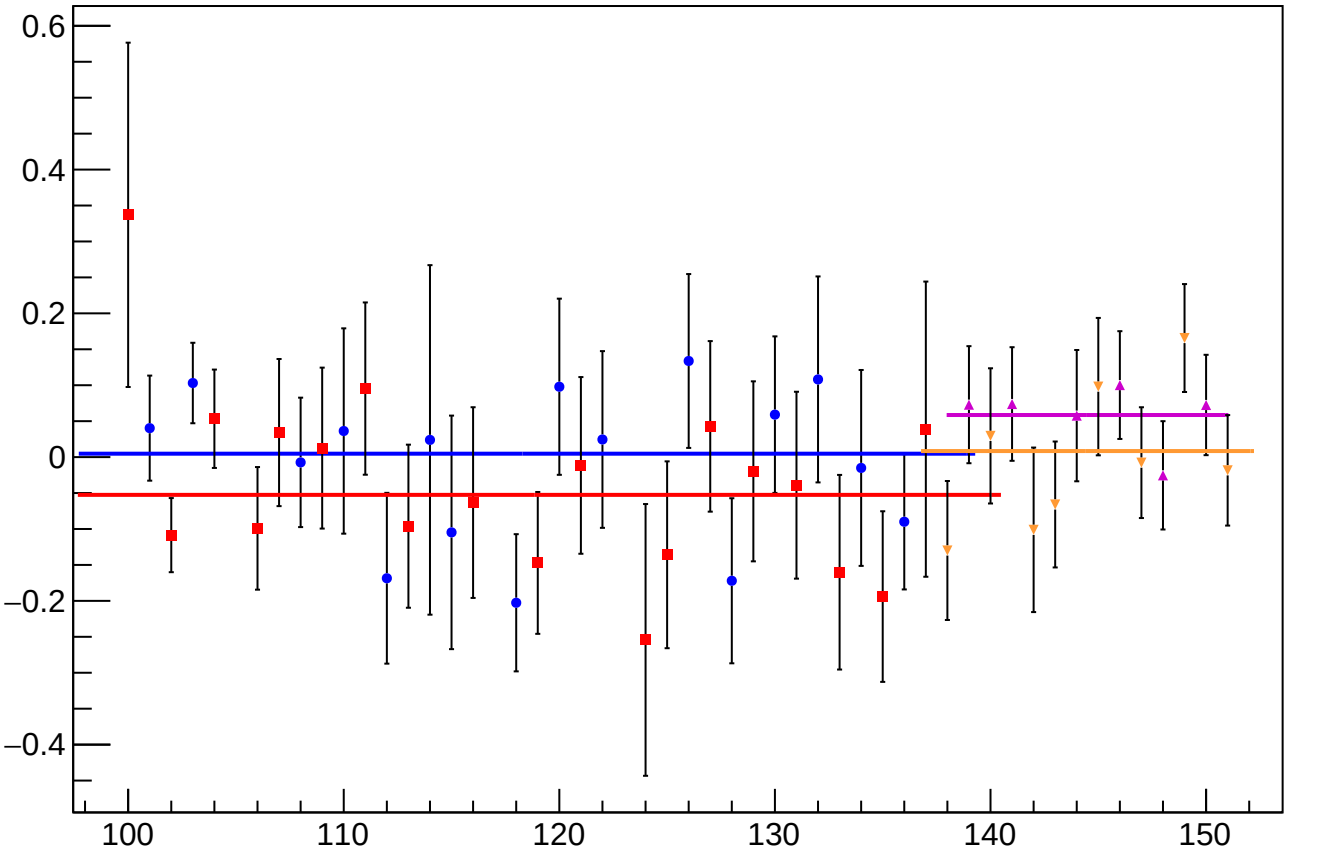
Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 71.754+/-0.022 χ^2/NDF:69071.9/5

+ sign 70.338+/-0.014 χ^2/NDF: 1011975.4/23

All: 68.011+/-0.010 χ^2/NDF: 2357801.9/48

- sign 65.832+/-0.014 χ^2/NDF: 1292512.6/24



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.008+/-0.031 χ^2/NDF:9.2/7

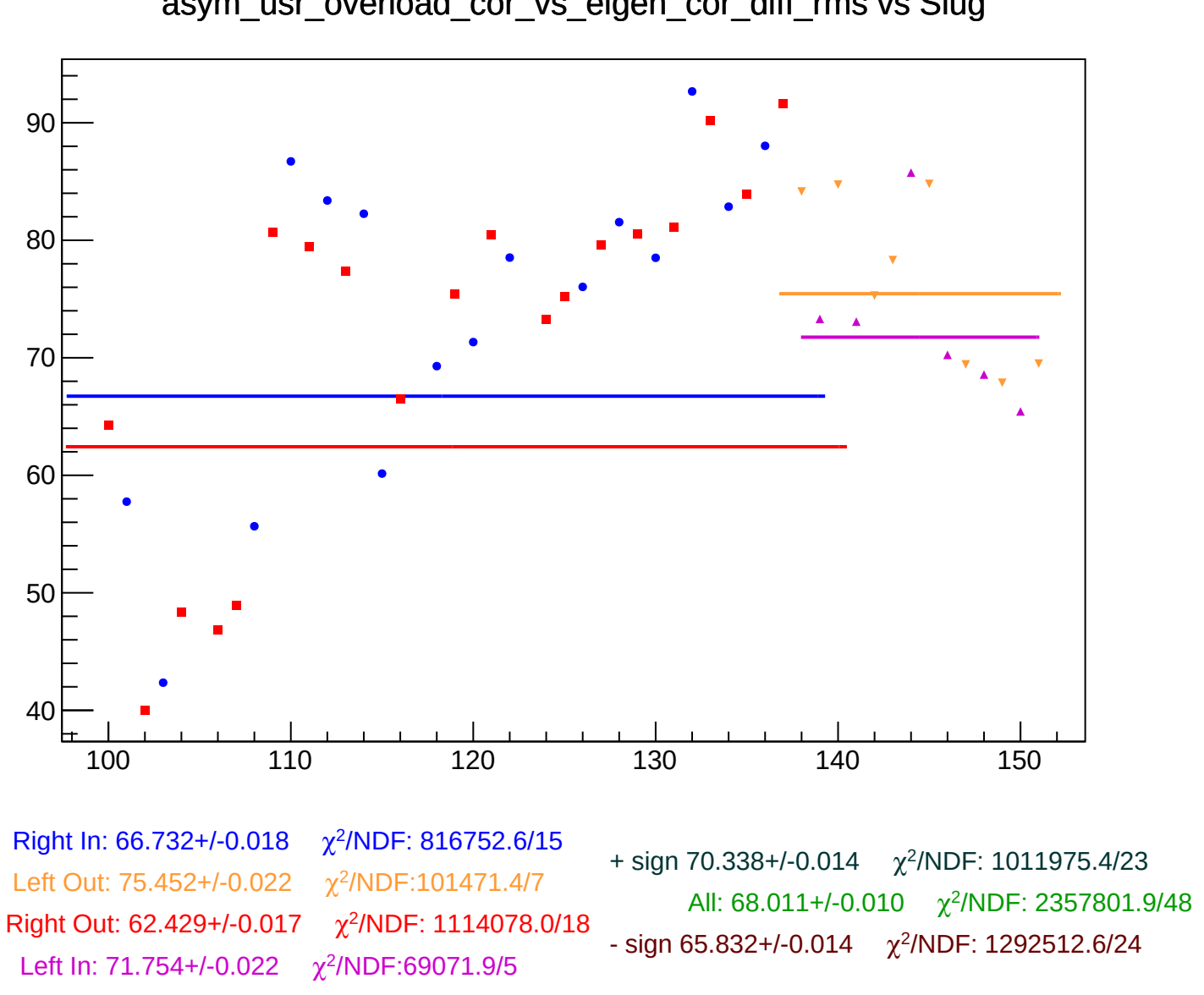
Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: 0.059+/-0.032 χ^2/NDF:1.7/5

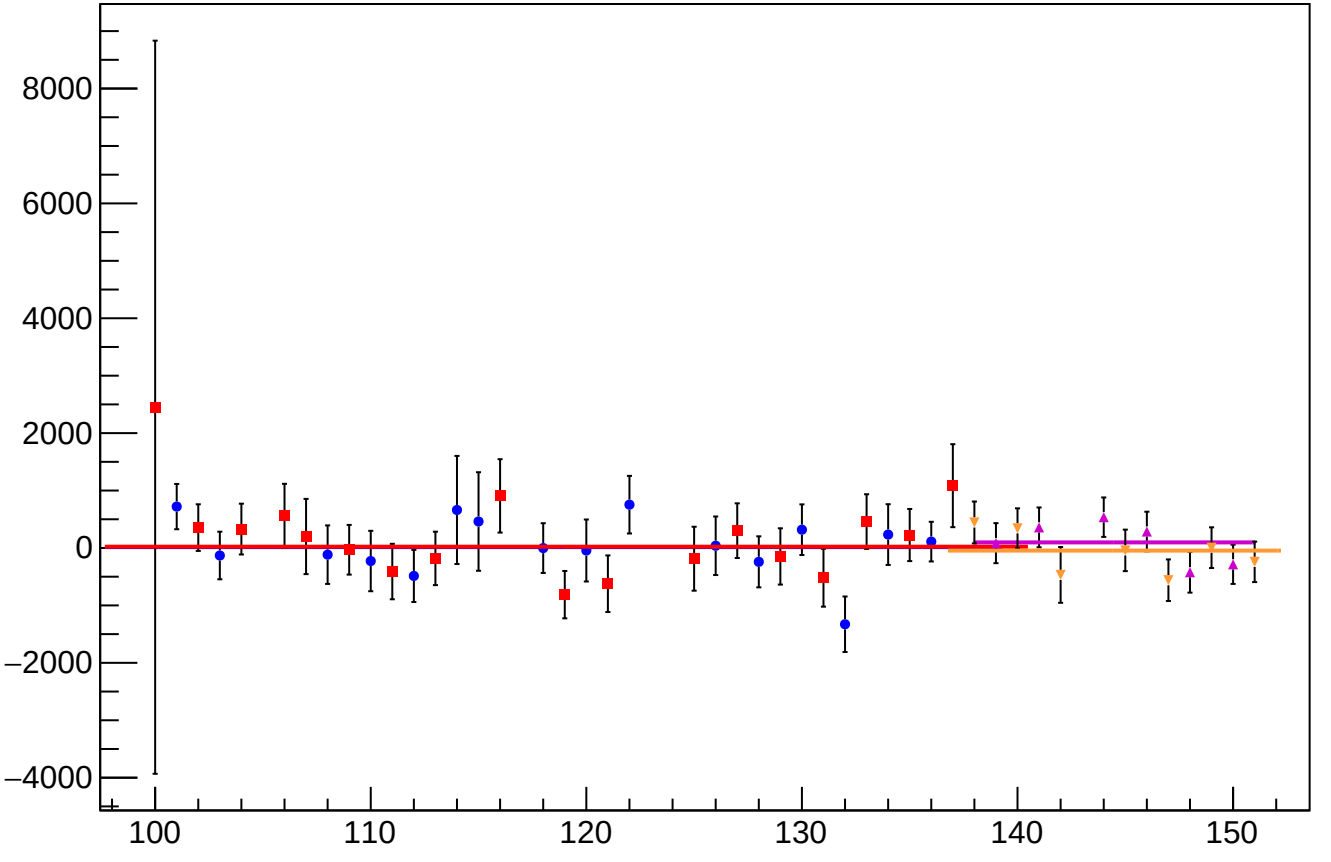
+ sign 0.006+/-0.020 χ^2/NDF: 25.8/23

All: -0.003+/-0.014 χ^2/NDF: 50.5/48

- sign -0.012+/-0.019 χ^2/NDF: 24.2/24


asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug
90
80
70
60
50
40
100
110
120
130
140
150
Right In: 66.732+/-0.018 χ²/NDF: 816752.6/15
Left Out: 75.452+/-0.022 χ²/NDF:101471.4/7
Right Out: 62.429+/-0.017 χ²/NDF: 1114078.0/18
Left In: 71.754+/-0.022 χ²/NDF:69071.9/5
+ sign 70.338+/-0.014 χ²/NDF: 1011975.4/23
All: 68.011+/-0.010 χ²/NDF: 2357801.9/48
- sign 65.832+/-0.014 χ²/NDF: 1292512.6/24

asym_dsl_mean vs Slug



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: -45.542+/-139.579 χ^2/NDF:6.2/6

Right Out: 22.145+/-119.211 χ^2/NDF: 16.0/17

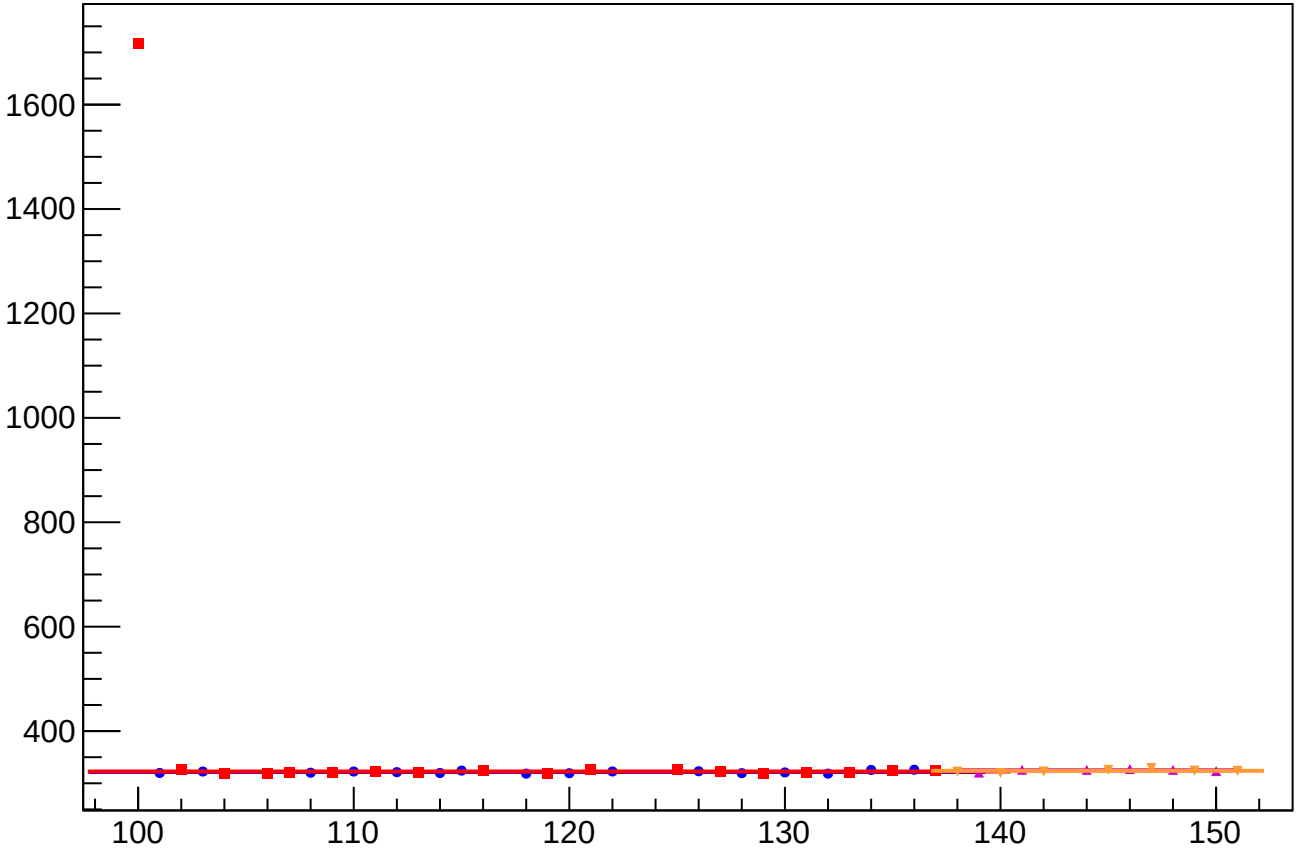
Left In: 97.217+/-141.506 χ^2/NDF:5.9/5

+ sign -10.291+/-90.746 χ^2/NDF: 22.8/22

All: 21.360+/-64.317 χ^2/NDF: 45.1/46

- sign 53.308+/-91.171 χ^2/NDF: 22.0/23

asym_dsl_rms vs Slug



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 323.919+/-0.099 χ^2/NDF:815.6/6

Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

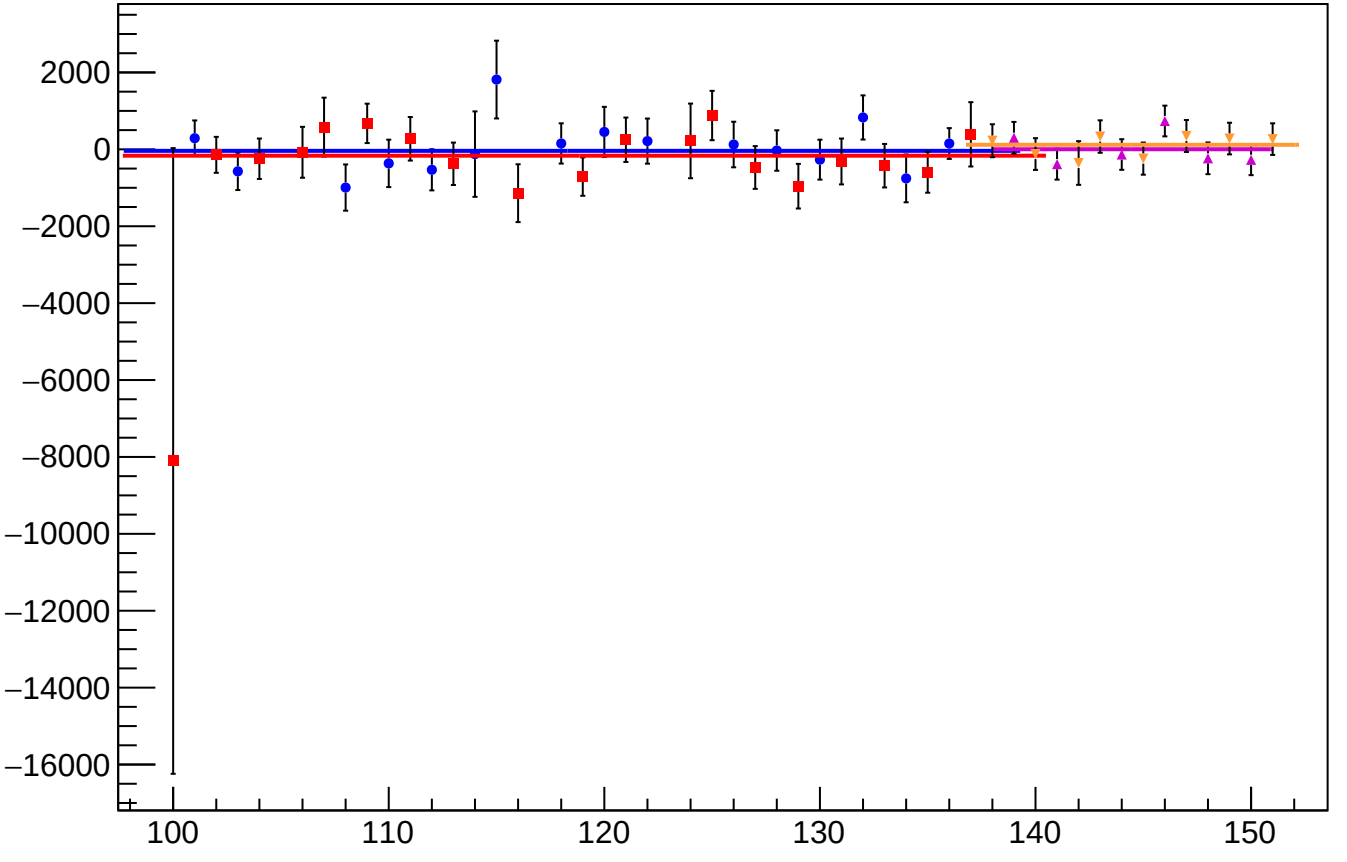
Left In: 324.929+/-0.100 χ^2/NDF:488.3/5

+ sign 322.583+/-0.064 χ^2/NDF: 1956.2/22

All: 323.059+/-0.045 χ^2/NDF: 99776.7/46

- sign 323.539+/-0.064 χ^2/NDF: 97709.9/23

asym_dsr_mean vs Slug



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: 118.631+/-151.826 χ^2/NDF:2.7/7

Right Out: -164.639+/-138.962 χ^2/NDF: 15.1/18

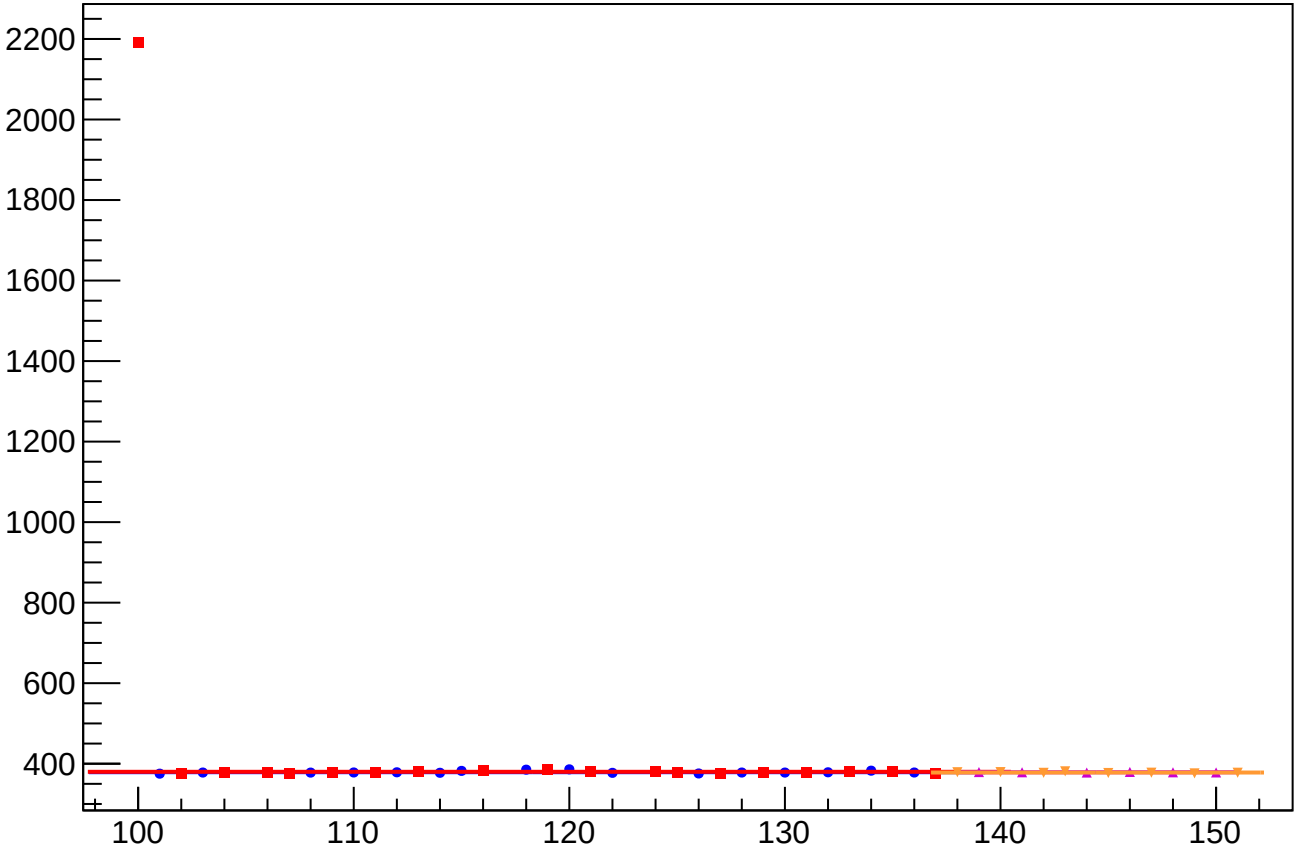
Left In: 2.743+/-164.964 χ^2/NDF:5.7/5

+ sign 33.886+/-103.207 χ^2/NDF: 17.0/23

All: -28.747+/-74.041 χ^2/NDF: 39.2/48

- sign -95.164+/-106.279 χ^2/NDF: 21.5/24

asym_dsr_rms vs Slug



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 378.093+/-0.107 χ^2/NDF:193.8/7

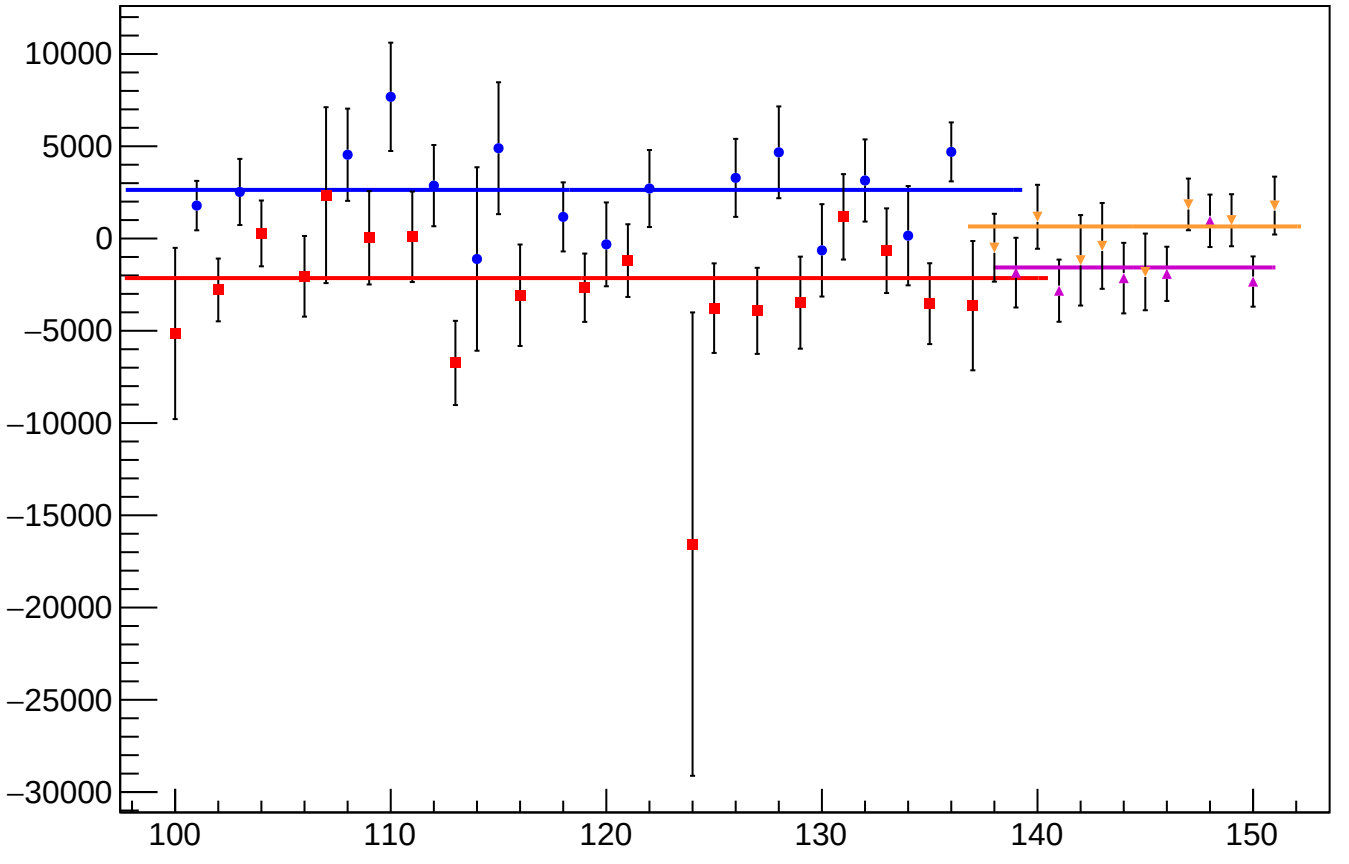
Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

Left In: 378.776+/-0.117 χ^2/NDF:19.3/5

+ sign 378.533+/-0.073 χ^2/NDF: 1076.1/23

All: 378.964+/-0.052 χ^2/NDF: 100840.9/48

- sign 379.421+/-0.075 χ^2/NDF: 99692.9/24



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

Left Out: 654.484+/-616.549 χ^2/NDF:4.0/7

Right Out: -2144.569+/-546.963 χ^2/NDF: 15.0/18

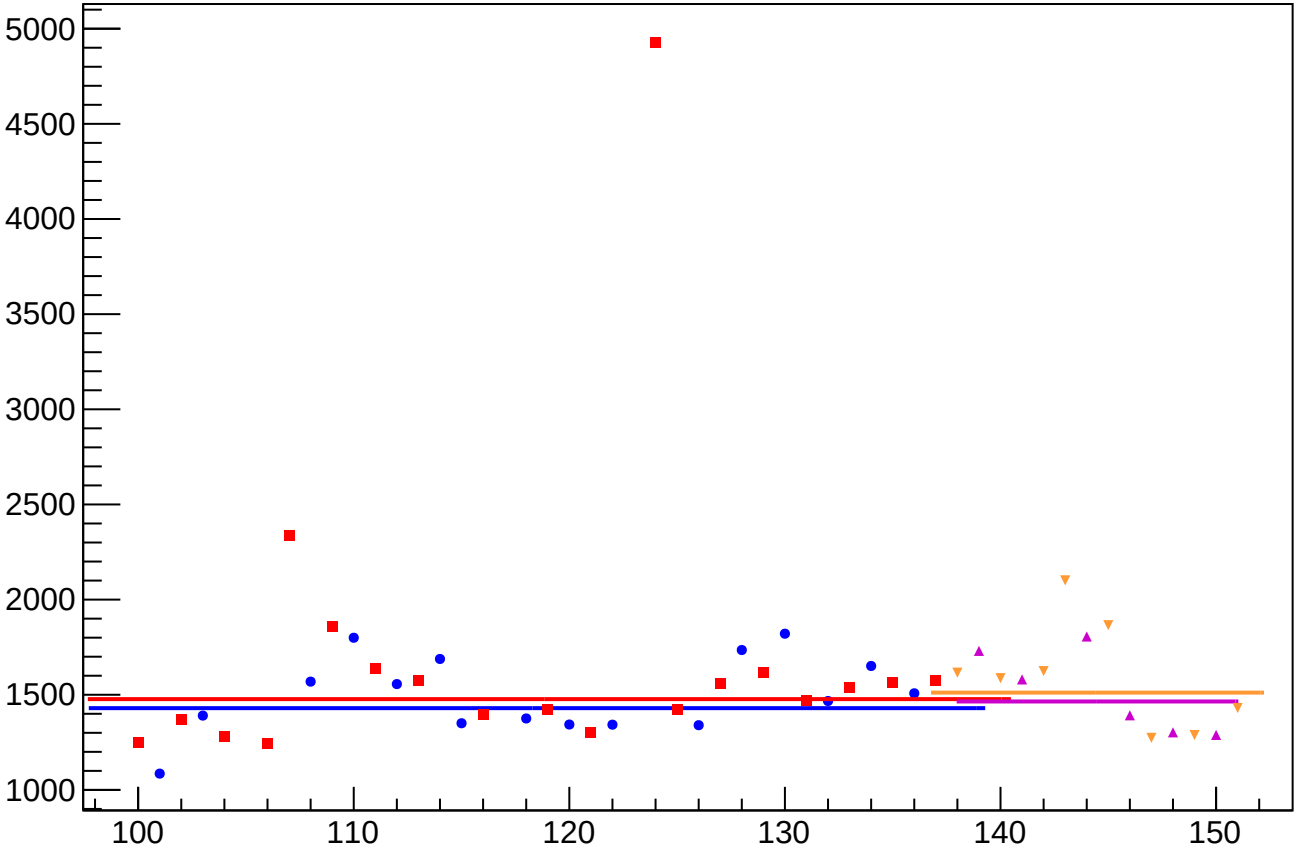
Left In: -1568.537+/-644.924 χ^2/NDF:4.2/5

+ sign 1779.028+/-405.383 χ^2/NDF: 22.1/23

All: -9.636+/-290.718 χ^2/NDF: 81.9/48

- sign -1903.579+/-417.143 χ^2/NDF: 19.7/24

asym_us_agg_avg_rms vs Slug



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

Left Out: 1511.266+/-0.436 χ^2/NDF:314159.4/7

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

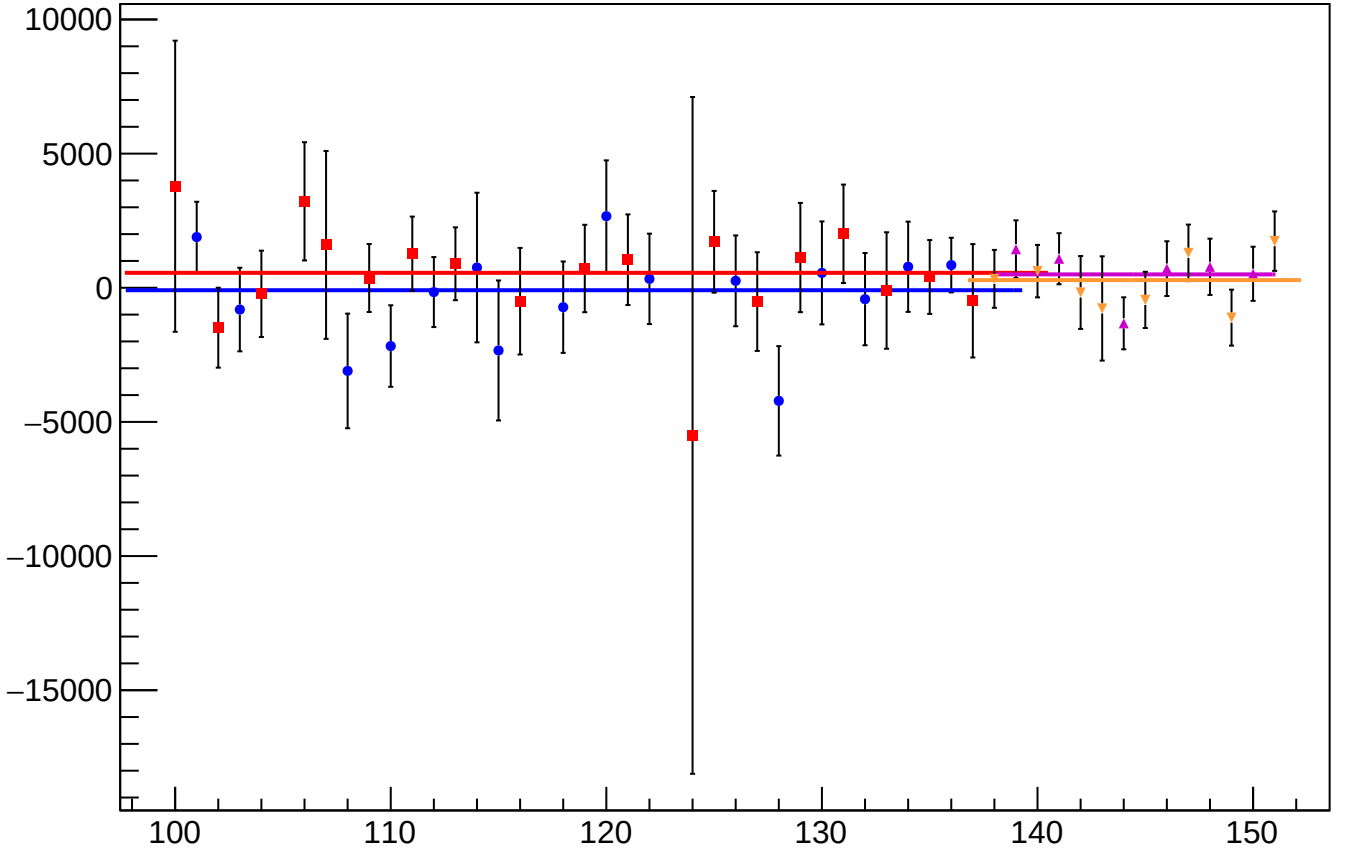
Left In: 1464.692+/-0.456 χ^2/NDF:177120.5/5

+ sign 1464.936+/-0.287 χ^2/NDF: 627441.7/23

All: 1468.330+/-0.206 χ^2/NDF: 1174713.8/48

- sign 1471.924+/-0.295 χ^2/NDF: 546983.4/24

asym_us_agg_dd_mean vs Slug



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

Left Out: 285.645+/-399.767 χ^2/NDF:5.5/7

Right Out: 556.840+/-411.346 χ^2/NDF: 6.8/18

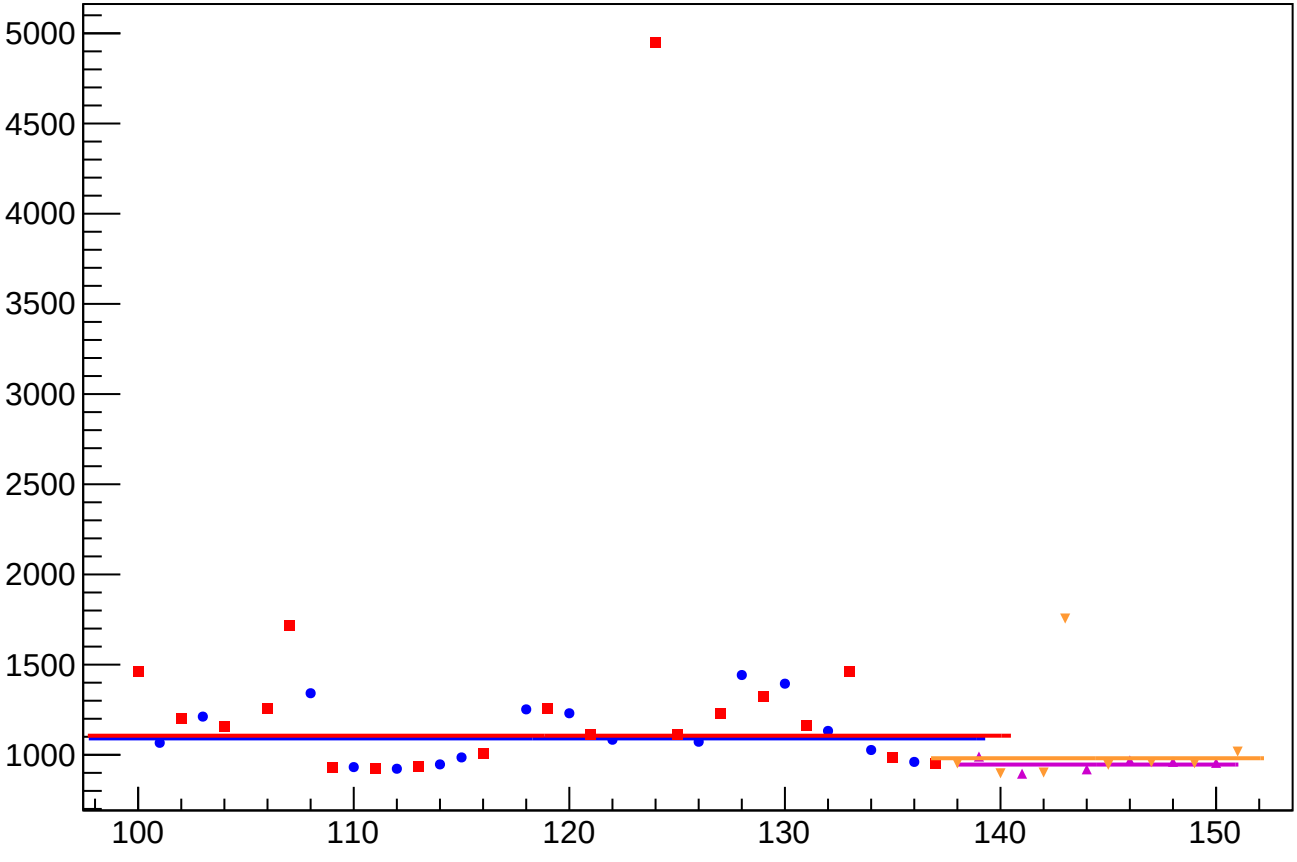
Left In: 498.688+/-412.306 χ^2/NDF:4.8/5

+ sign 101.913+/-286.212 χ^2/NDF: 20.4/23

All: 311.191+/-204.125 χ^2/NDF: 33.1/48

- sign 527.832+/-291.204 χ^2/NDF: 11.6/24

asym_us_agg_dd_rms vs Slug



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

Left Out: 981.096+/-0.283 χ^2/NDF:347530.2/7

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

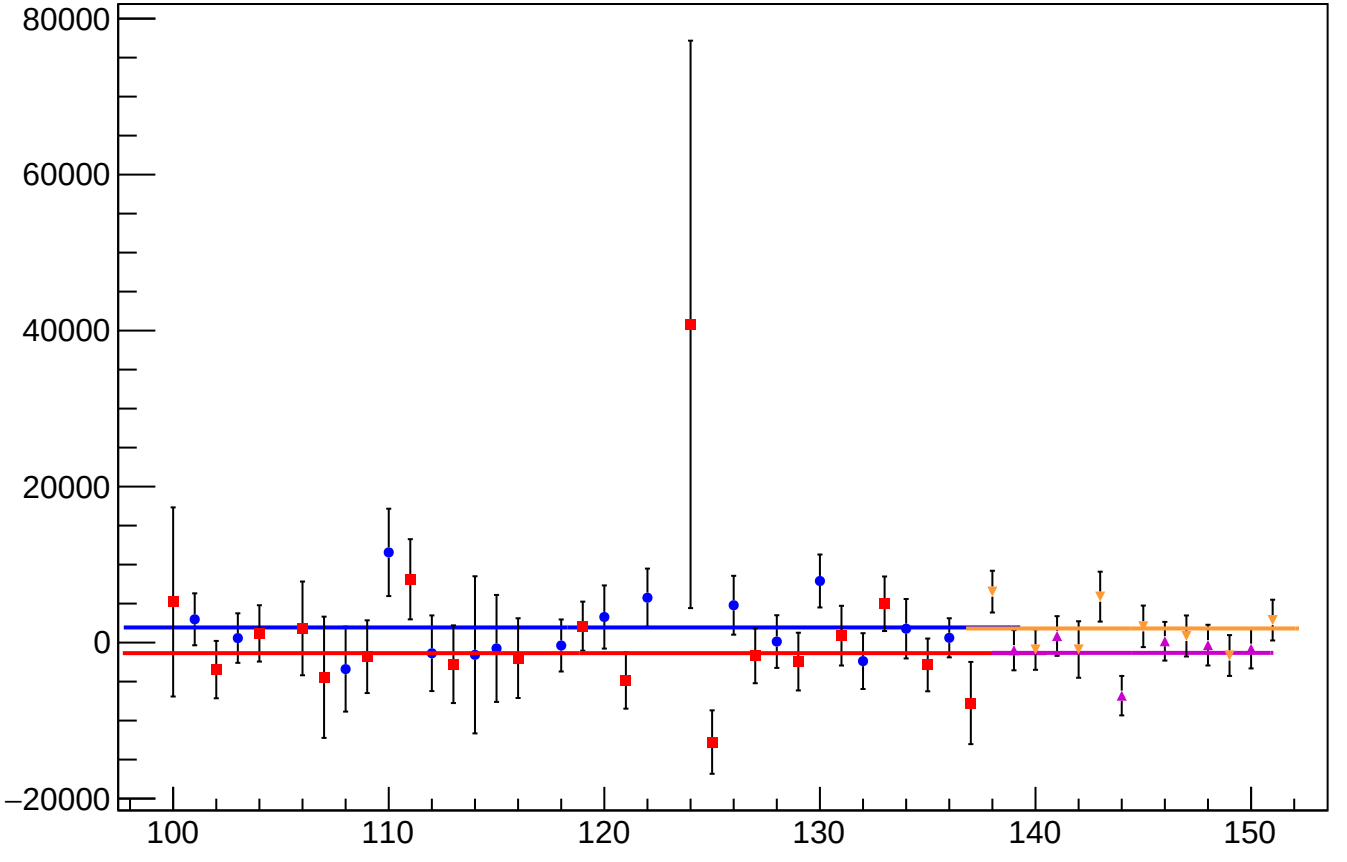
Left In: 946.025+/-0.292 χ^2/NDF:12140.2/5

+ sign 1034.685+/-0.202 χ^2/NDF: 698569.7/23

All: 1030.527+/-0.144 χ^2/NDF: 1376648.9/48

- sign 1026.222+/-0.206 χ^2/NDF: 677220.0/24

reg_asym_atl1_mean vs Slug



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1811.729+/-980.759 χ^2/NDF:8.4/7

Right Out: -1353.428+/-985.119 χ^2/NDF: 21.8/18

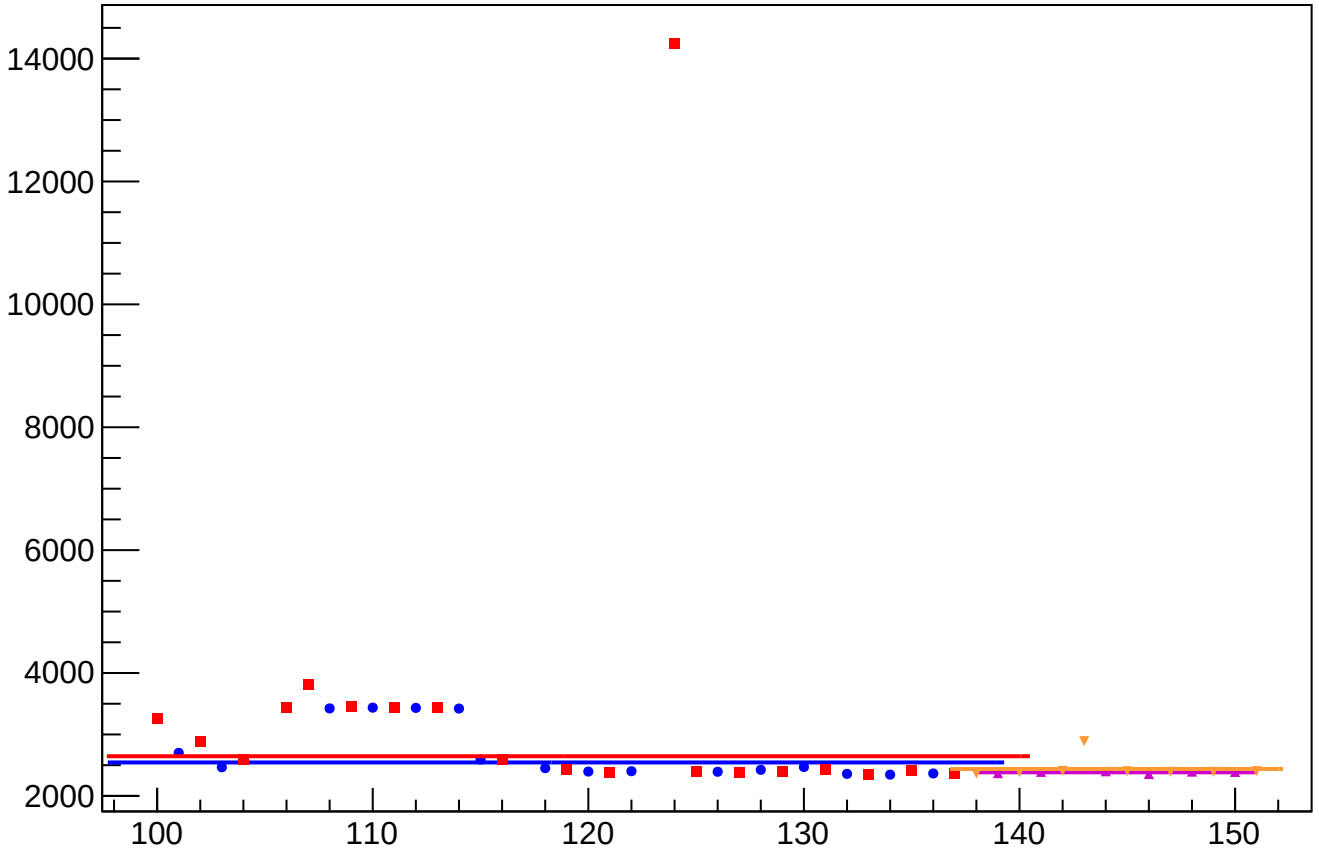
Left In: -1319.141+/-1038.281 χ^2/NDF:6.0/5

+ sign 1877.560+/-683.305 χ^2/NDF: 20.7/23

All: 342.209+/-493.876 χ^2/NDF: 59.1/48

- sign -1337.185+/-714.639 χ^2/NDF: 27.8/24

reg_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2438.148+/-0.694 χ^2/NDF:44411.5/7

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

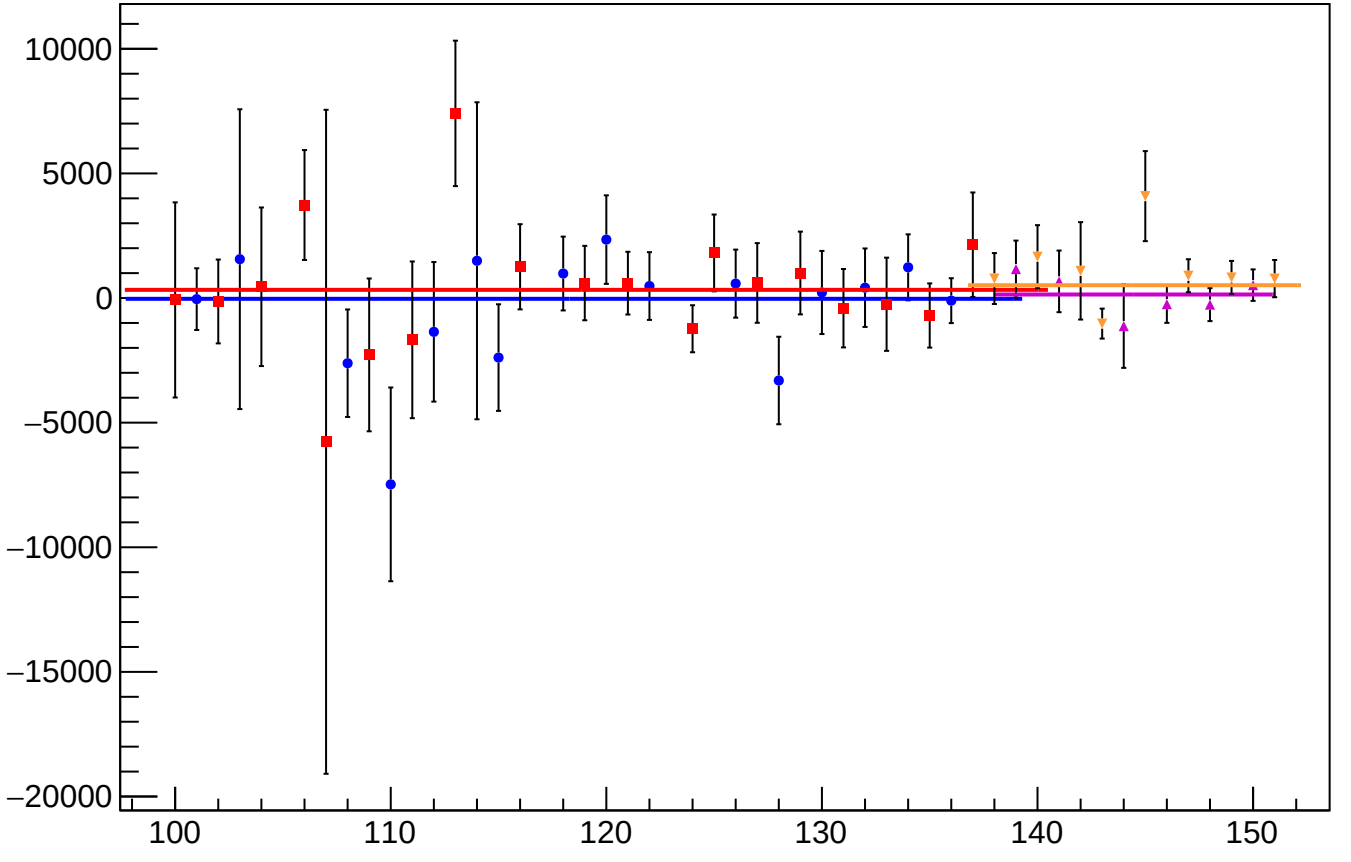
Left In: 2384.111+/-0.734 χ^2/NDF:459.2/5

+ sign 2492.833+/-0.483 χ^2/NDF: 282108.4/23

All: 2506.642+/-0.349 χ^2/NDF: 888024.9/48

- sign 2521.745+/-0.505 χ^2/NDF: 604206.3/24

asym_atl1_reg_correction_mean vs Slug



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 514.498+/-298.248 χ^2/NDF:12.1/7

Right Out: 328.475+/-398.568 χ^2/NDF: 15.6/18

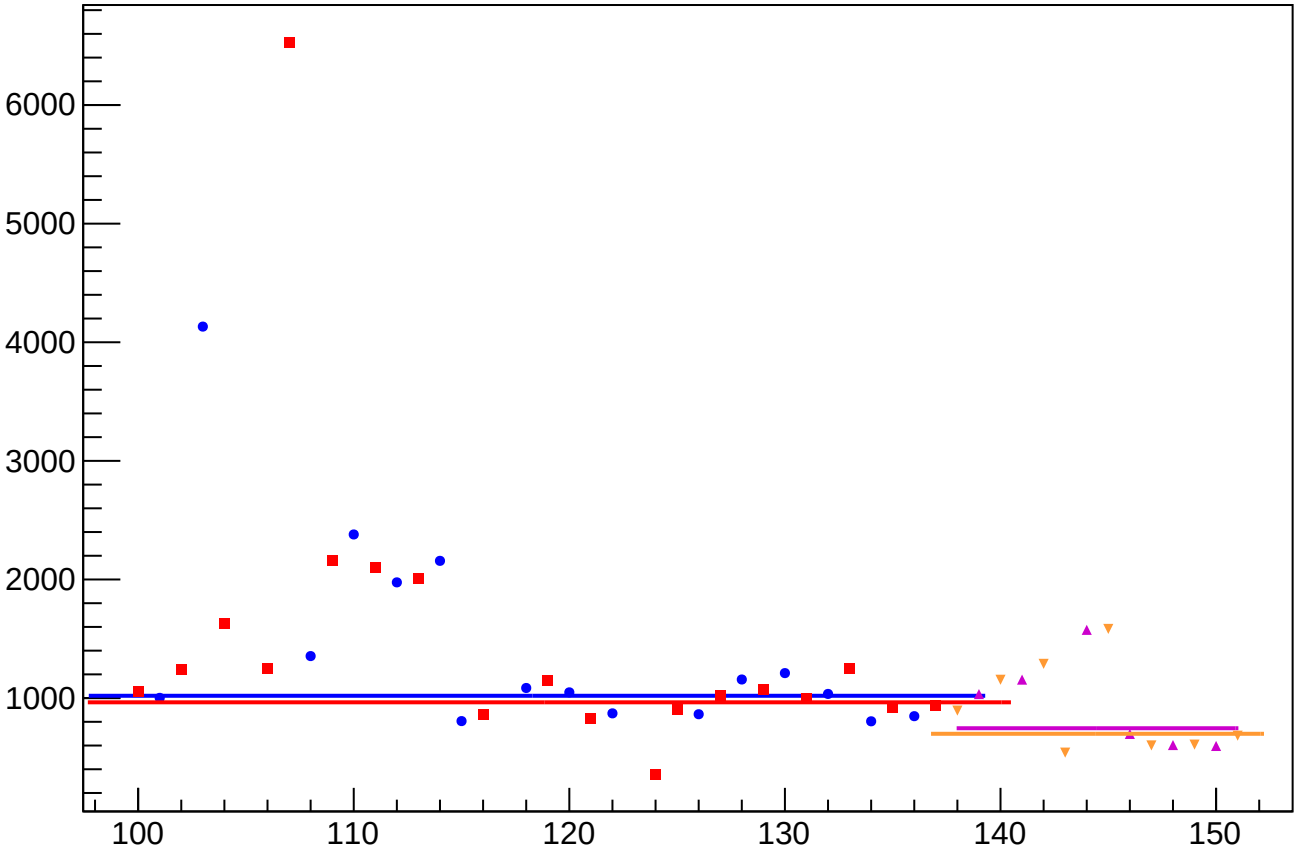
Left In: 142.285+/-346.129 χ^2/NDF:2.5/5

+ sign 323.068+/-240.306 χ^2/NDF: 27.1/23

All: 276.917+/-176.891 χ^2/NDF: 45.5/48

- sign 222.334+/-261.337 χ^2/NDF: 18.3/24

asym_atl1_reg_correction_rms vs Slug



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 699.047+/-0.211 χ^2/NDF:1215765.9/7

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

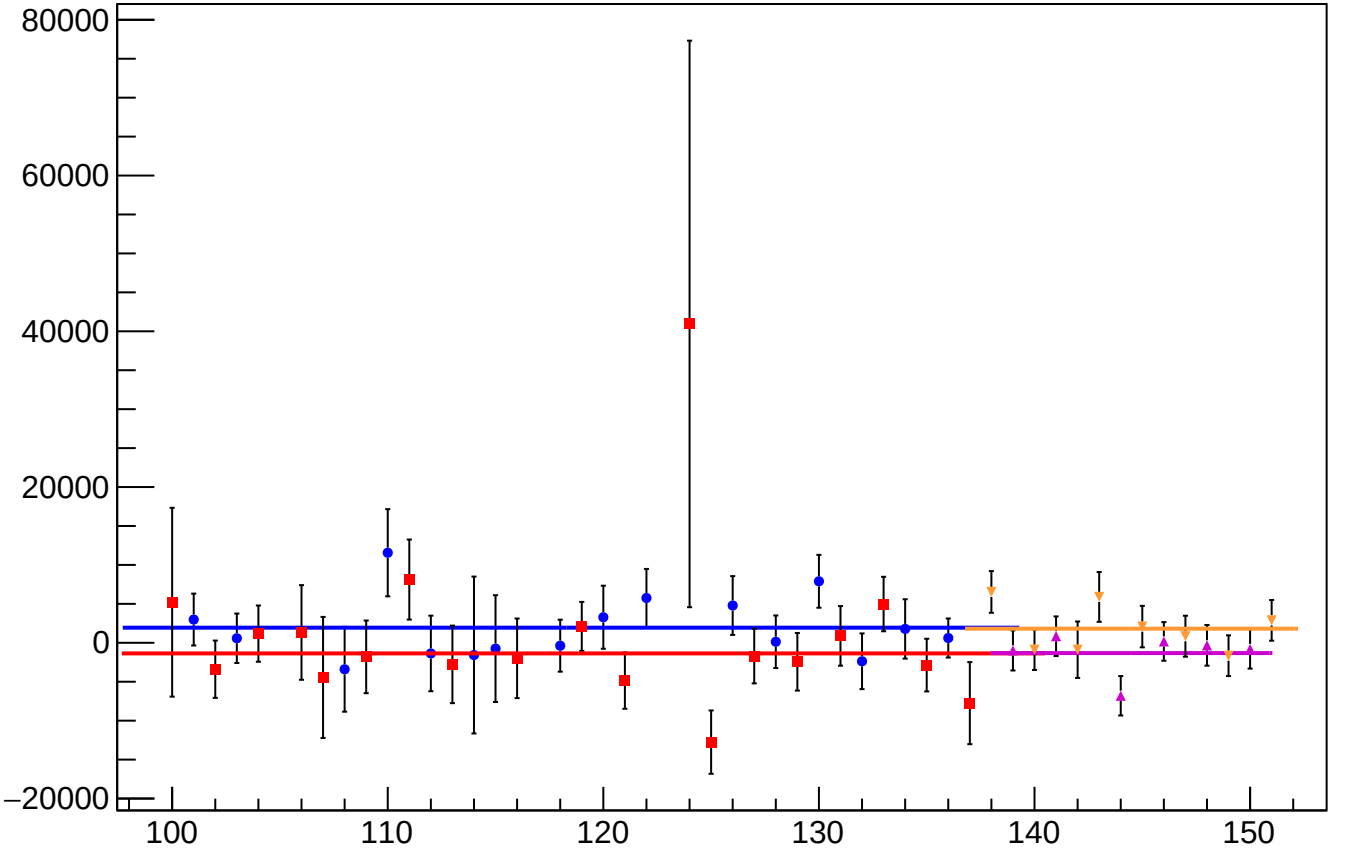
Left In: 745.835+/-0.245 χ^2/NDF:1048177.4/5

\+ sign 811.471+/-0.170 χ^2/NDF: 3390597.4/23

All: 824.447+/-0.125 χ^2/NDF: 7103653.6/48

\- sign 839.794+/-0.185 χ^2/NDF: 3700327.5/24

cor_asym_atl1_mean vs Slug



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1811.502+/-980.759 χ^2/NDF:8.4/7

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

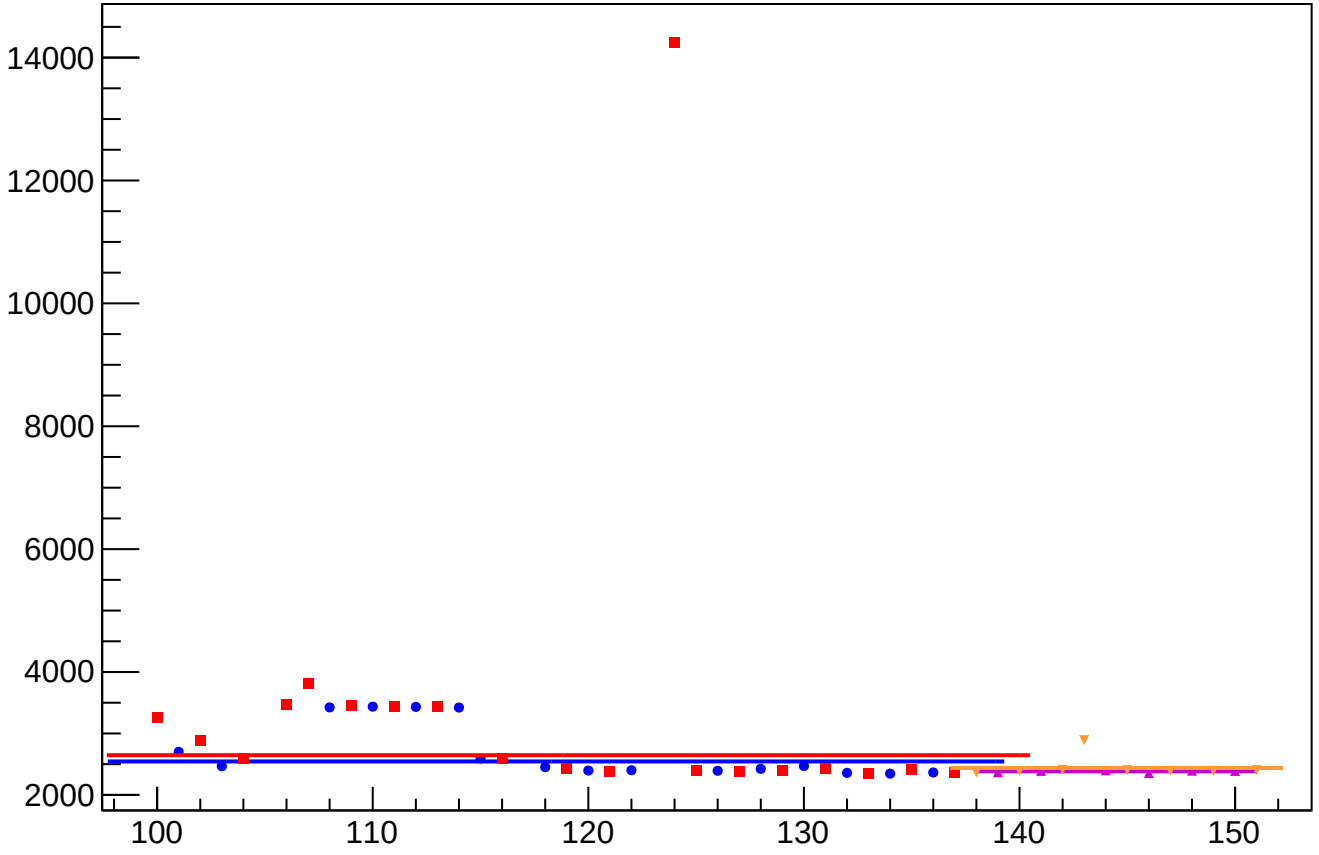
Left In: -1319.321+/-1038.281 χ^2/NDF:6.0/5

+ sign 1877.629+/-683.305 χ^2/NDF: 20.7/23

All: 340.037+/-493.914 χ^2/NDF: 59.0/48

- sign -1342.347+/-714.754 χ^2/NDF: 27.7/24

cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2438.148+/-0.694 χ^2/NDF:44411.5/7

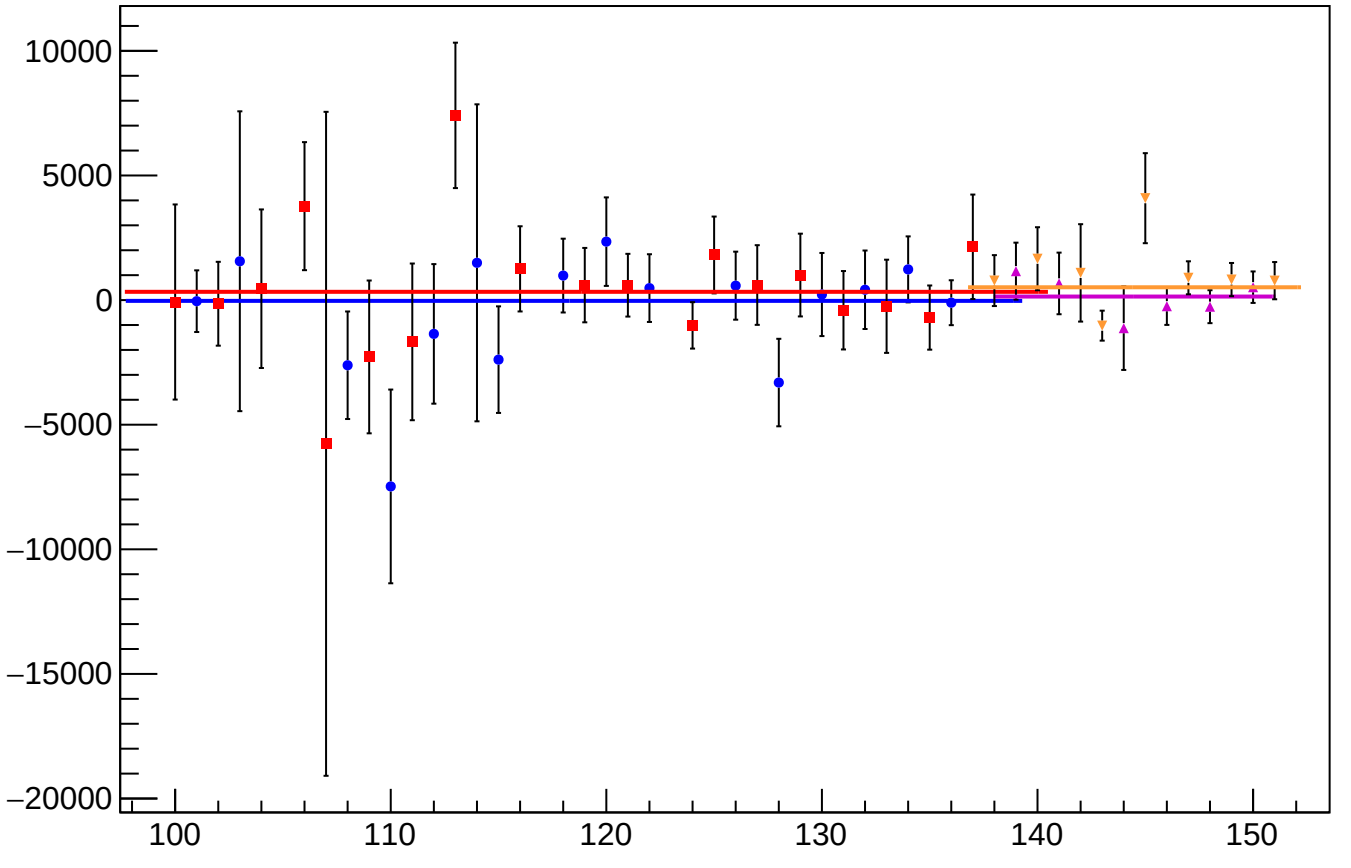
Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2384.111+/-0.734 χ^2/NDF:459.2/5

+ sign 2492.833+/-0.483 χ^2/NDF: 282108.4/23

All: 2506.760+/-0.349 χ^2/NDF: 890901.2/48

- sign 2521.998+/-0.505 χ^2/NDF: 607052.9/24



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 514.395+/-298.252 χ^2/NDF:12.1/7

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

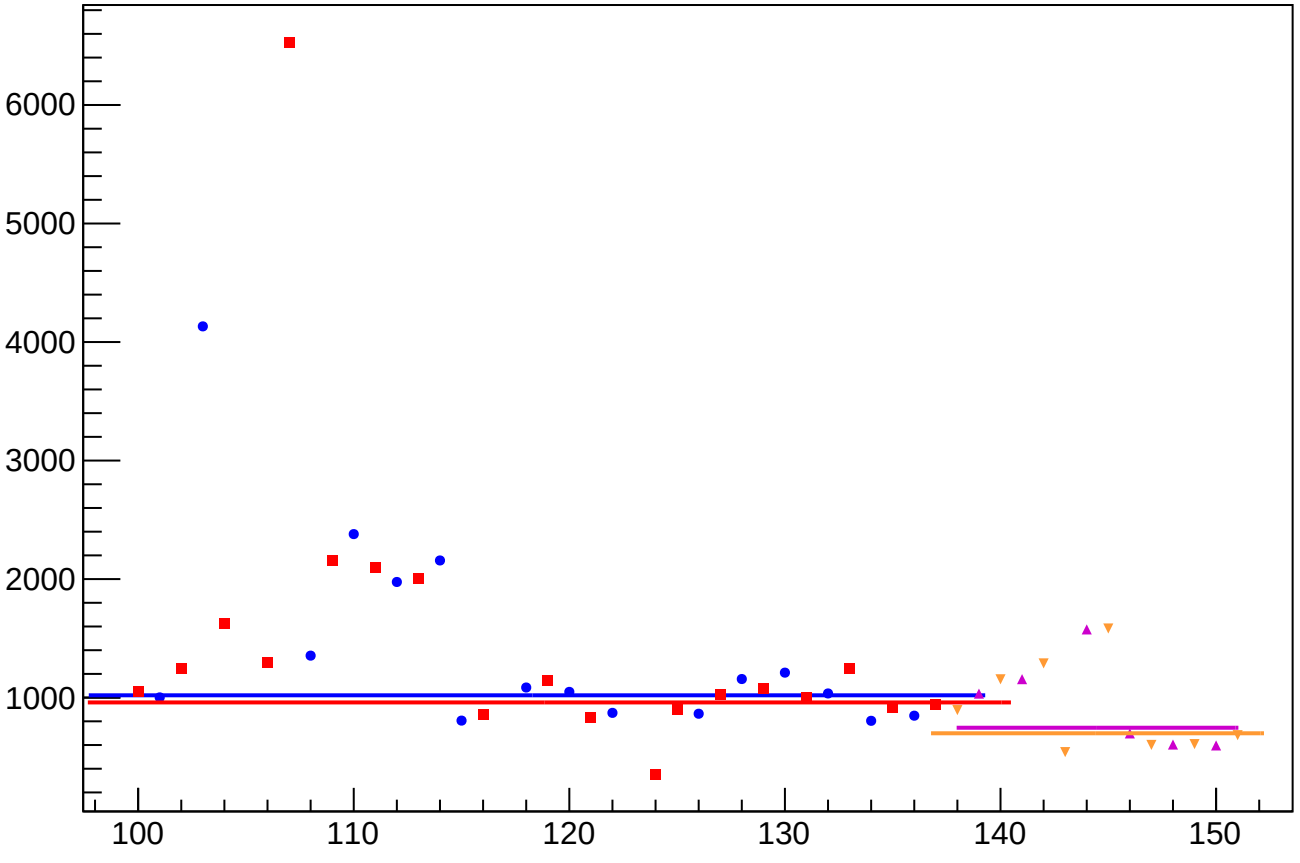
Left In: 142.112+/-346.124 χ^2/NDF:2.5/5

\+ sign 322.974+/-240.308 χ^2/NDF: 27.1/23

All: 277.465+/-176.958 χ^2/NDF: 44.2/48

\- sign 223.555+/-261.551 χ^2/NDF: 17.1/24

asym_atl1_cor_correction_rms vs Slug



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 699.058+/-0.211 χ^2/NDF:1215708.0/7

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

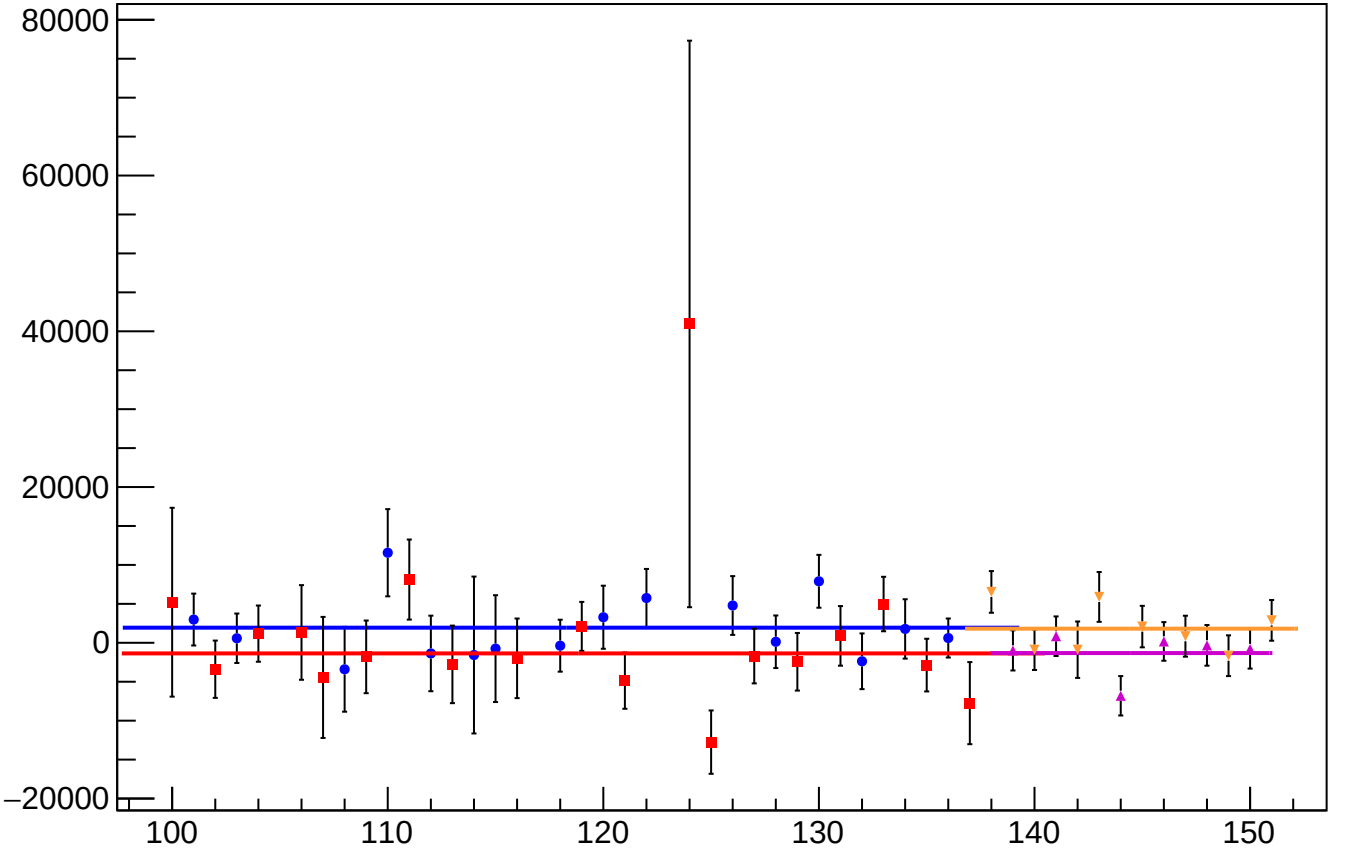
Left In: 745.823+/-0.245 χ^2/NDF:1048217.1/5

\+ sign 811.478+/-0.170 χ^2/NDF: 3390433.5/23

All: 823.353+/-0.125 χ^2/NDF: 7120256.9/48

\- sign 837.420+/-0.185 χ^2/NDF: 3719154.5/24

eigen_cor_asym_atl1_mean vs Slug



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1811.502+/-980.759 χ^2/NDF:8.4/7

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

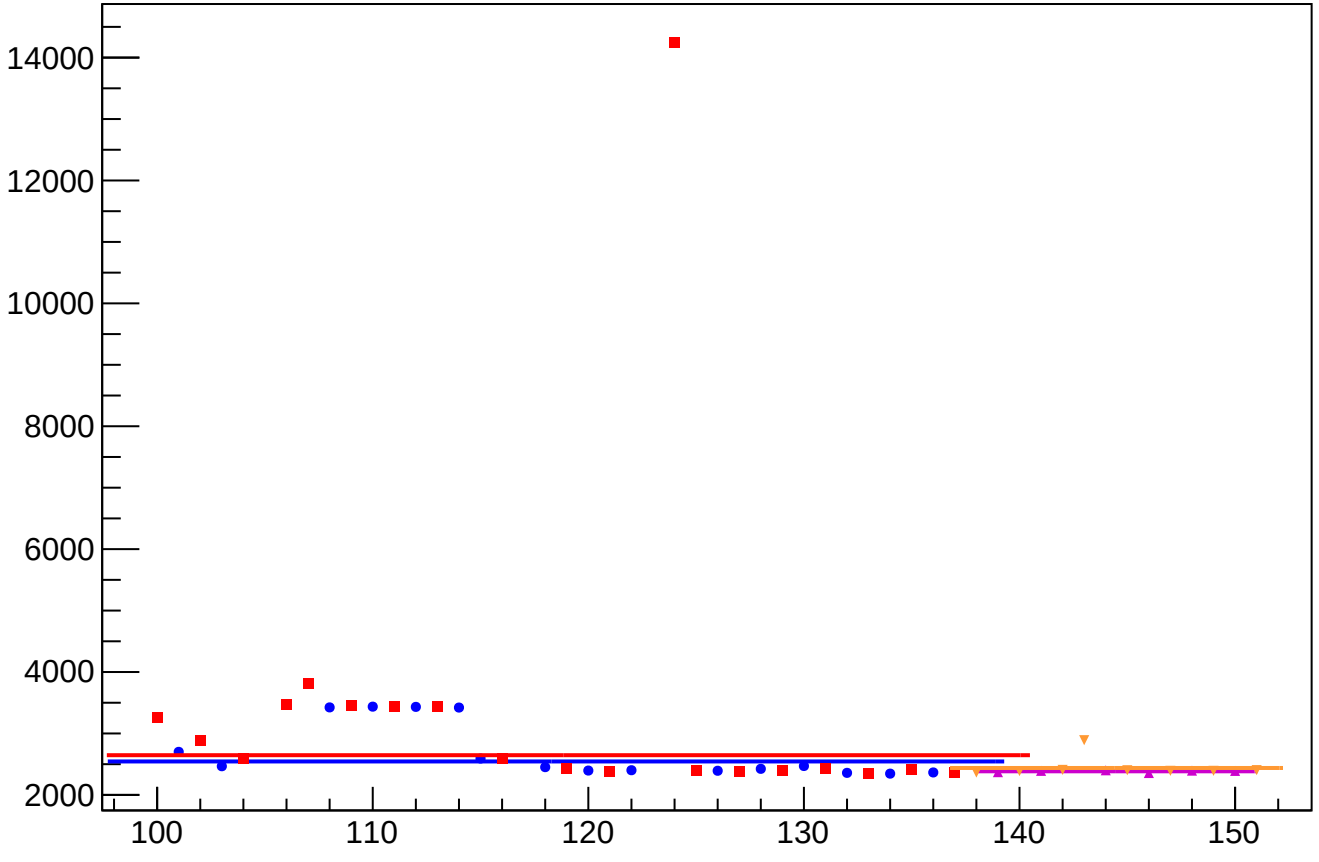
Left In: -1319.321+/-1038.281 χ^2/NDF:6.0/5

+ sign 1877.629+/-683.305 χ^2/NDF: 20.7/23

All: 340.037+/-493.914 χ^2/NDF: 59.0/48

- sign -1342.347+/-714.754 χ^2/NDF: 27.7/24

eigen_cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2438.148+/-0.694 χ^2/NDF:44411.5/7

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

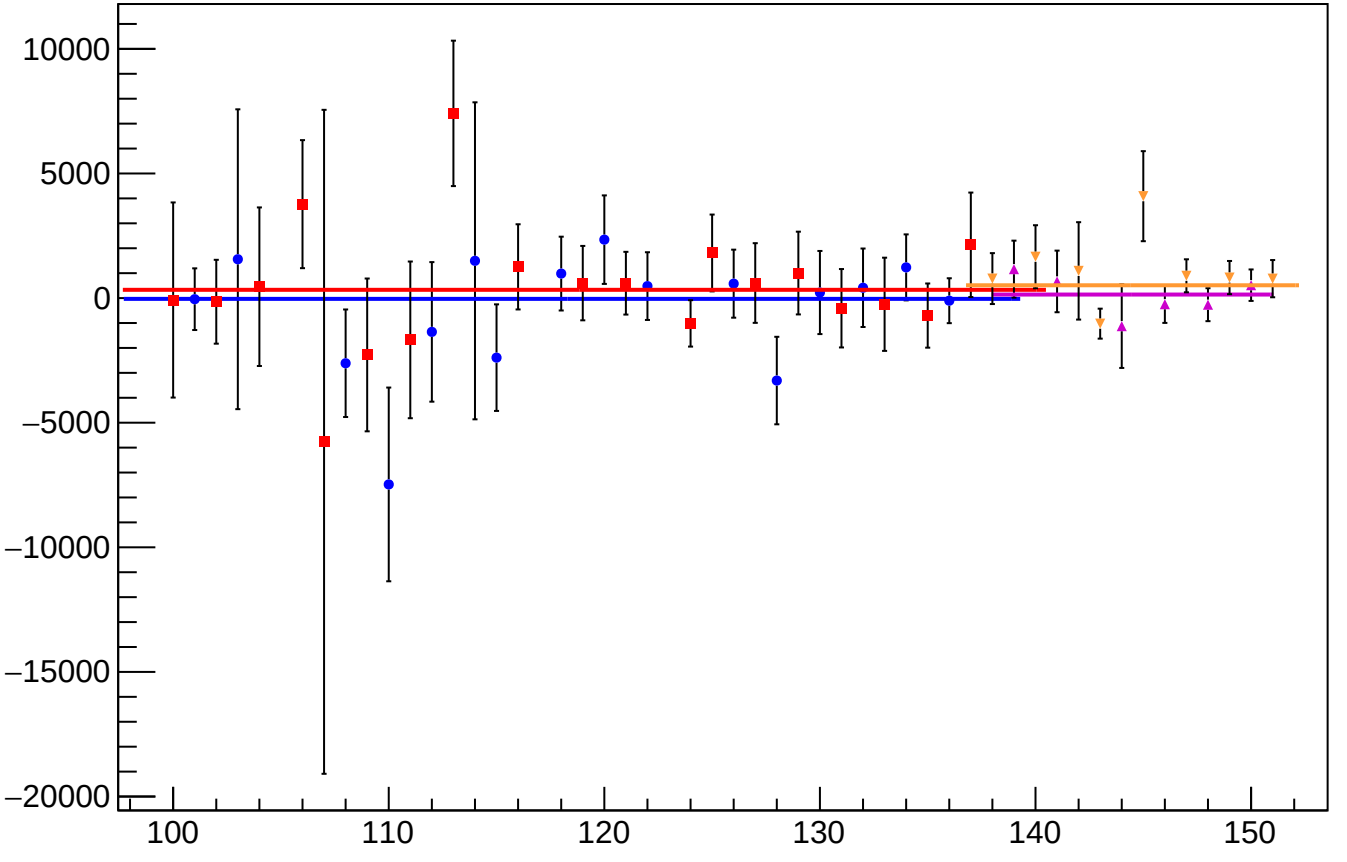
Left In: 2384.111+/-0.734 χ^2/NDF:459.2/5

+ sign 2492.833+/-0.483 χ^2/NDF: 282108.4/23

All: 2506.760+/-0.349 χ^2/NDF: 890901.2/48

- sign 2521.998+/-0.505 χ^2/NDF: 607052.9/24

asym_atl1_eigen_cor_correction_mean vs Slug



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 514.395+/-298.252 χ^2/NDF:12.1/7

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

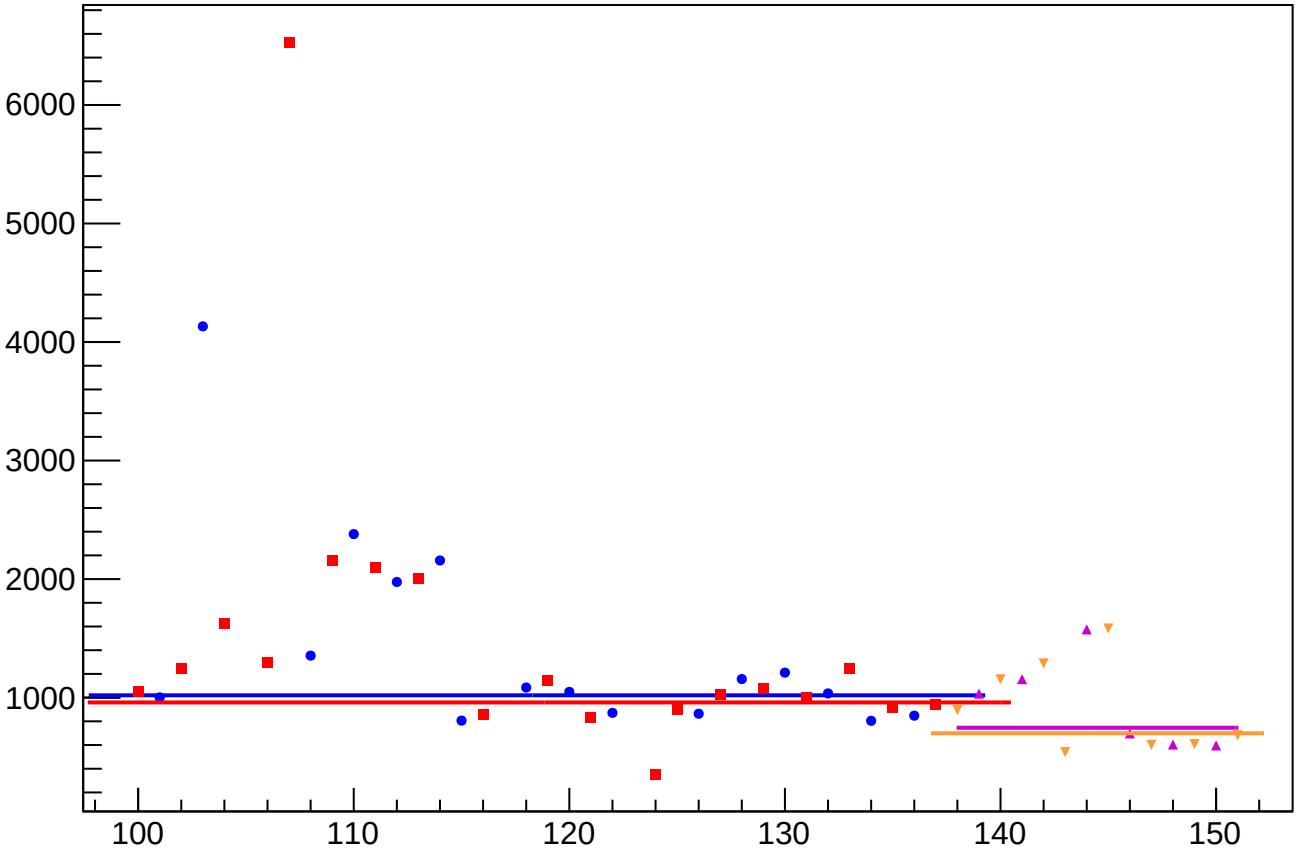
Left In: 142.112+/-346.124 χ^2/NDF:2.5/5

+ sign 322.974+/-240.308 χ^2/NDF: 27.1/23

All: 277.465+/-176.958 χ^2/NDF: 44.2/48

- sign 223.555+/-261.551 χ^2/NDF: 17.1/24

asym_atl1_eigen_cor_correction_rms vs Slug



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 699.058+/-0.211 χ^2/NDF:1215708.0/7

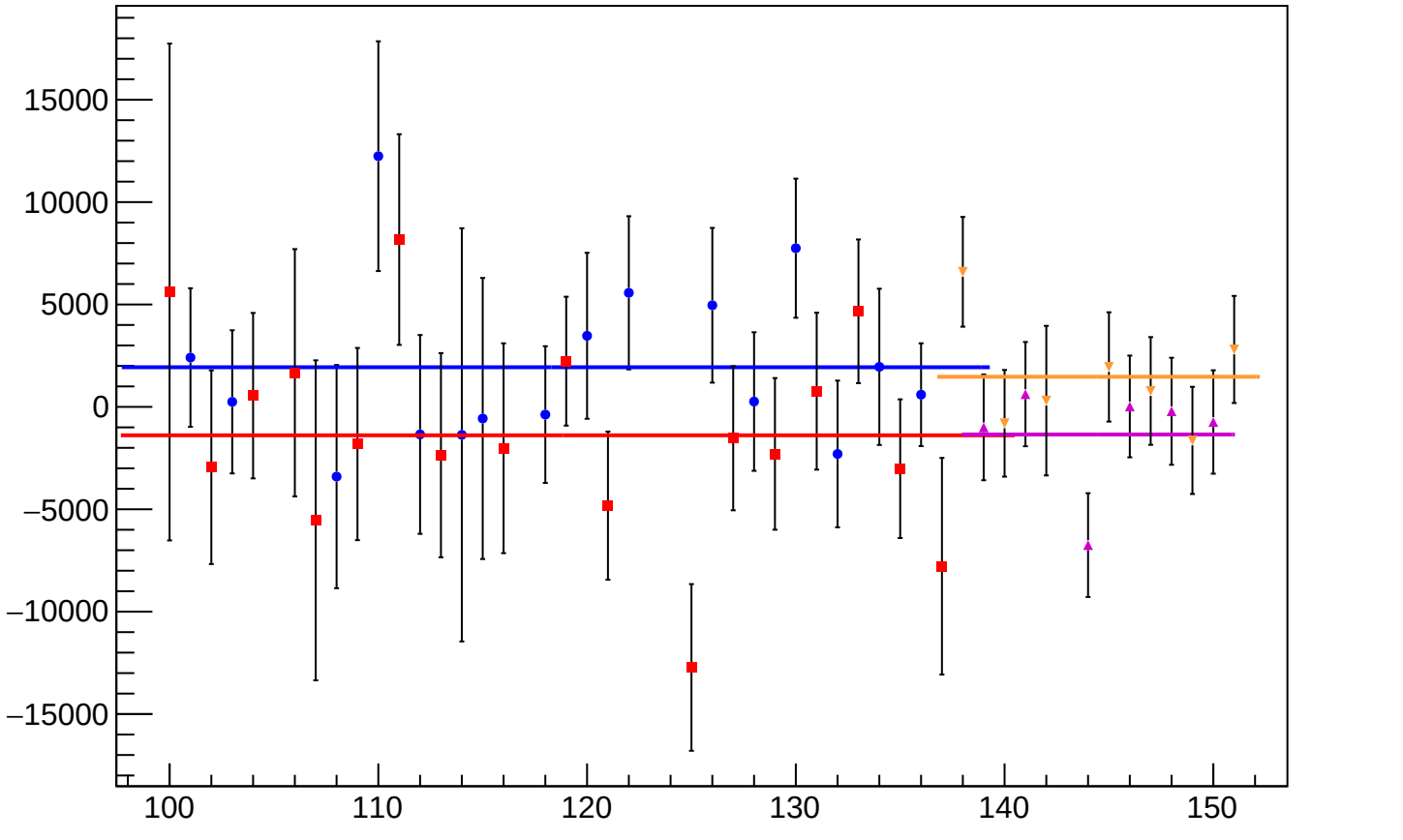
Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 745.823+/-0.245 χ^2/NDF:1048217.1/5

\+ sign 811.478+/-0.170 χ^2/NDF: 3390433.5/23

All: 823.353+/-0.125 χ^2/NDF: 7120256.9/48

\- sign 837.420+/-0.185 χ^2/NDF: 3719154.5/24



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1470.441+/-1032.052 χ^2/NDF:6.3/6

Right Out: -1387.548+/-1009.105 χ^2/NDF: 19.8/17

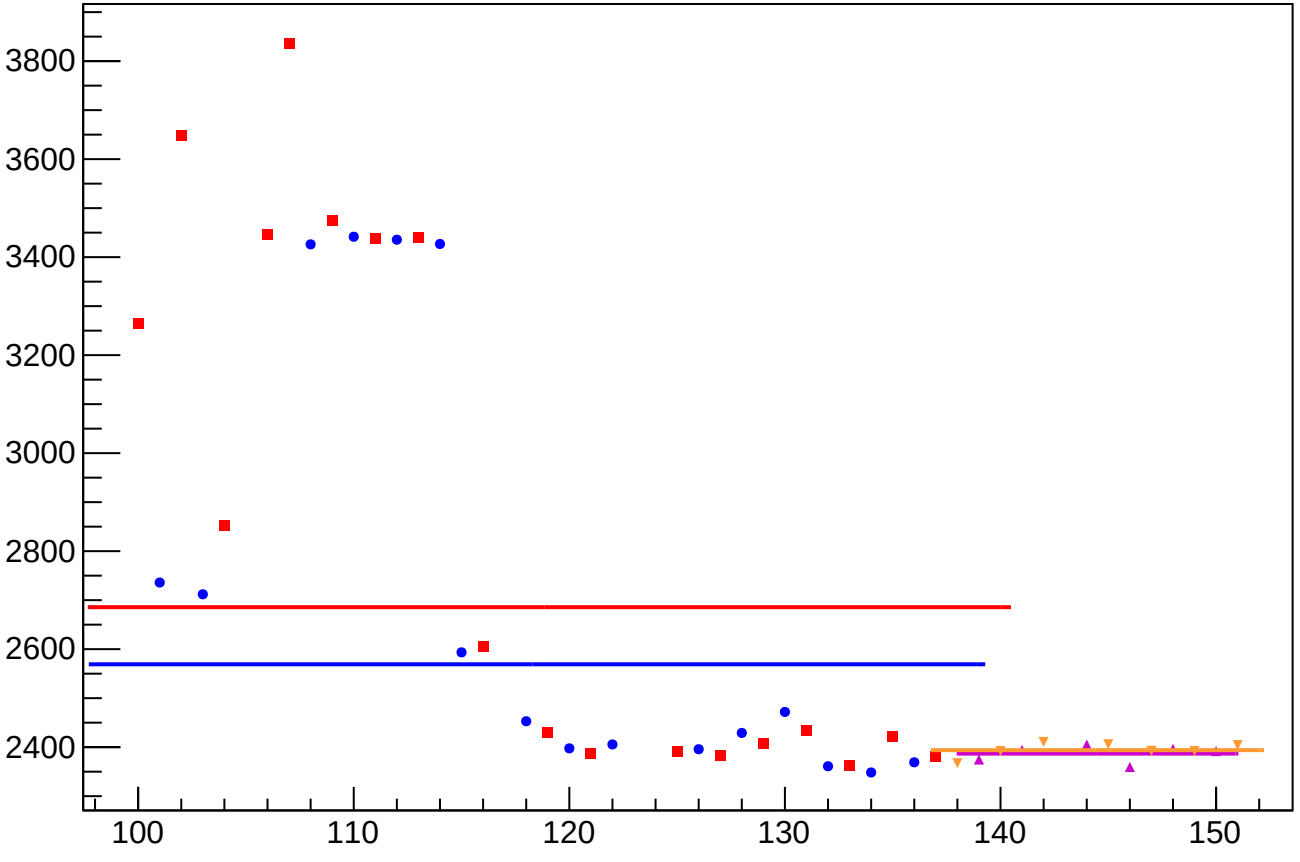
Left In: -1348.366+/-1039.494 χ^2/NDF:5.7/5

+ sign 1719.474+/-703.826 χ^2/NDF: 18.8/22

All: 219.197+/-504.678 χ^2/NDF: 53.6/46

- sign -1368.538+/-724.050 χ^2/NDF: 25.5/23

dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2393.903+/-0.730 χ^2/NDF:313.5/6

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

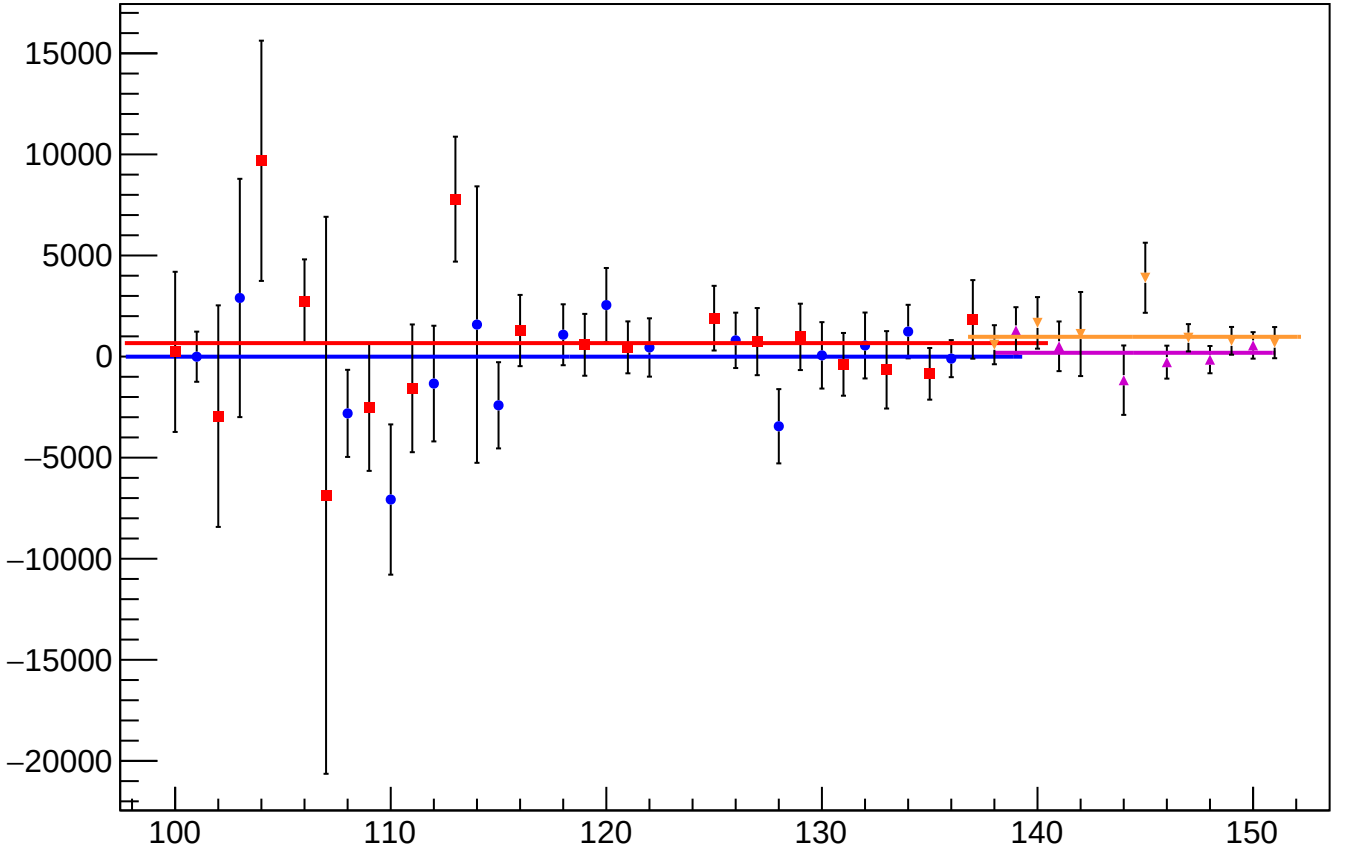
Left In: 2386.870+/-0.735 χ^2/NDF:442.5/5

+ sign 2487.636+/-0.498 χ^2/NDF: 260641.2/22

All: 2513.418+/-0.357 χ^2/NDF: 770952.3/46

- sign 2540.704+/-0.512 χ^2/NDF: 504787.1/23

asym_atl1_dit_correction_mean vs Slug



Right In: -5.169+/-412.248 χ^2/NDF: 14.5/15

Left Out: 977.437+/-348.281 χ^2/NDF:3.5/6

Right Out: 665.952+/-460.513 χ^2/NDF: 14.4/17

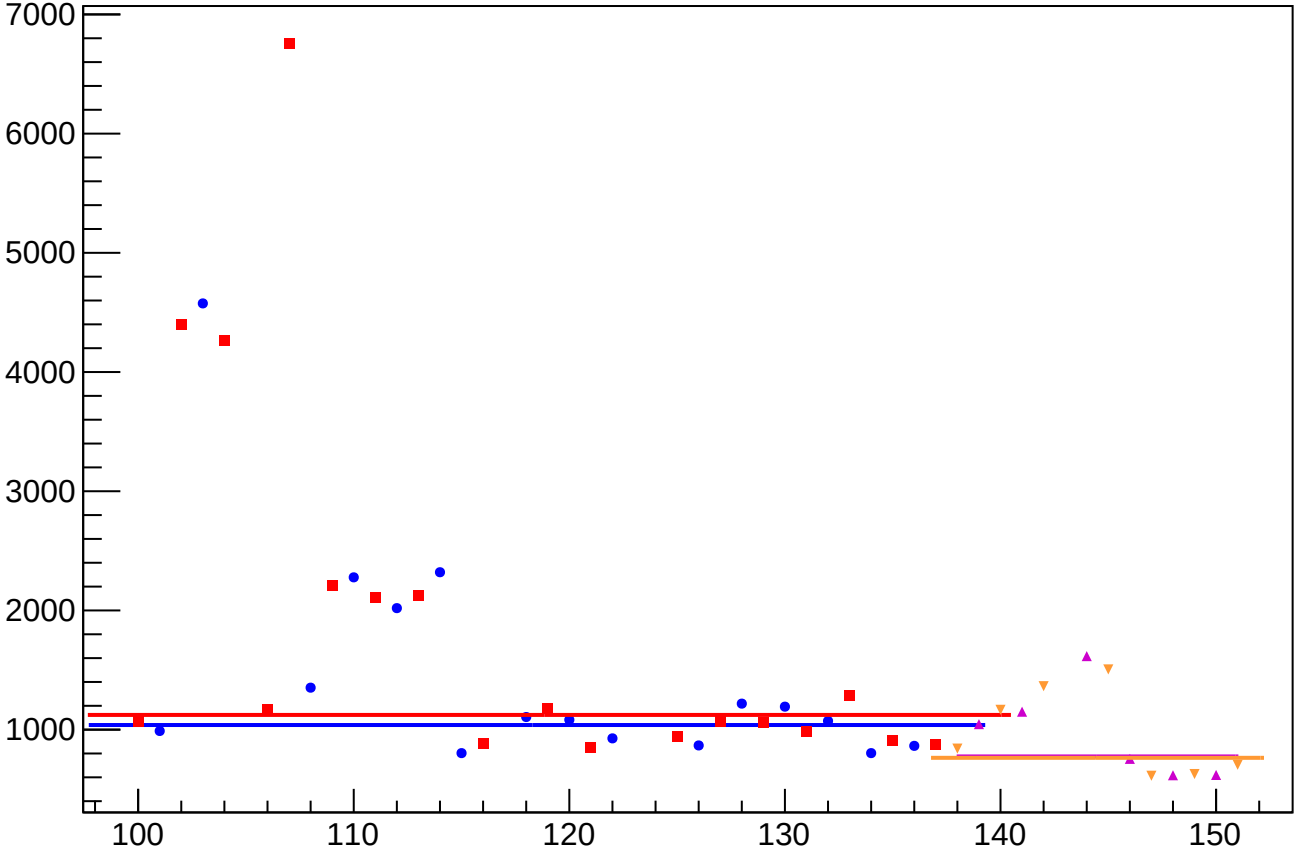
Left In: 186.865+/-358.204 χ^2/NDF:2.5/5

+ sign 568.198+/-266.046 χ^2/NDF: 21.4/22

All: 473.931+/-193.756 χ^2/NDF: 39.2/46

- sign 367.462+/-282.741 χ^2/NDF: 17.5/23

asym_atl1_dit_correction_rms vs Slug



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 763.662+/-0.246 χ^2/NDF:934302.6/6

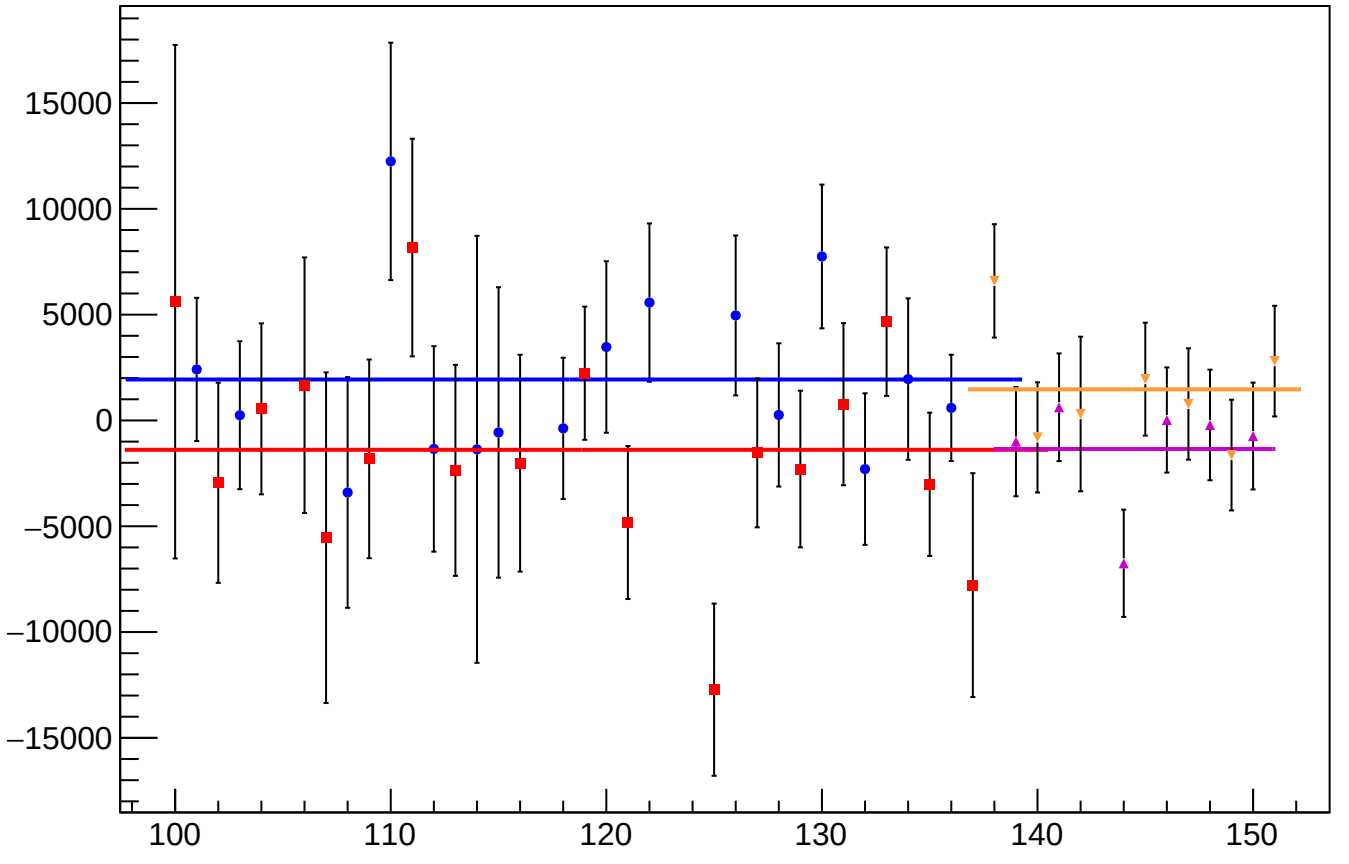
Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

Left In: 775.260+/-0.253 χ^2/NDF:1001479.0/5

\+ sign 878.254+/-0.188 χ^2/NDF: 2993881.4/22

All: 891.529+/-0.137 χ^2/NDF: 7253928.9/46

\- sign 906.523+/-0.200 χ^2/NDF: 4249443.5/23



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1470.443+/-1032.052 χ^2/NDF:6.3/6

Right Out: -1387.545+/-1009.105 χ^2/NDF: 19.8/17

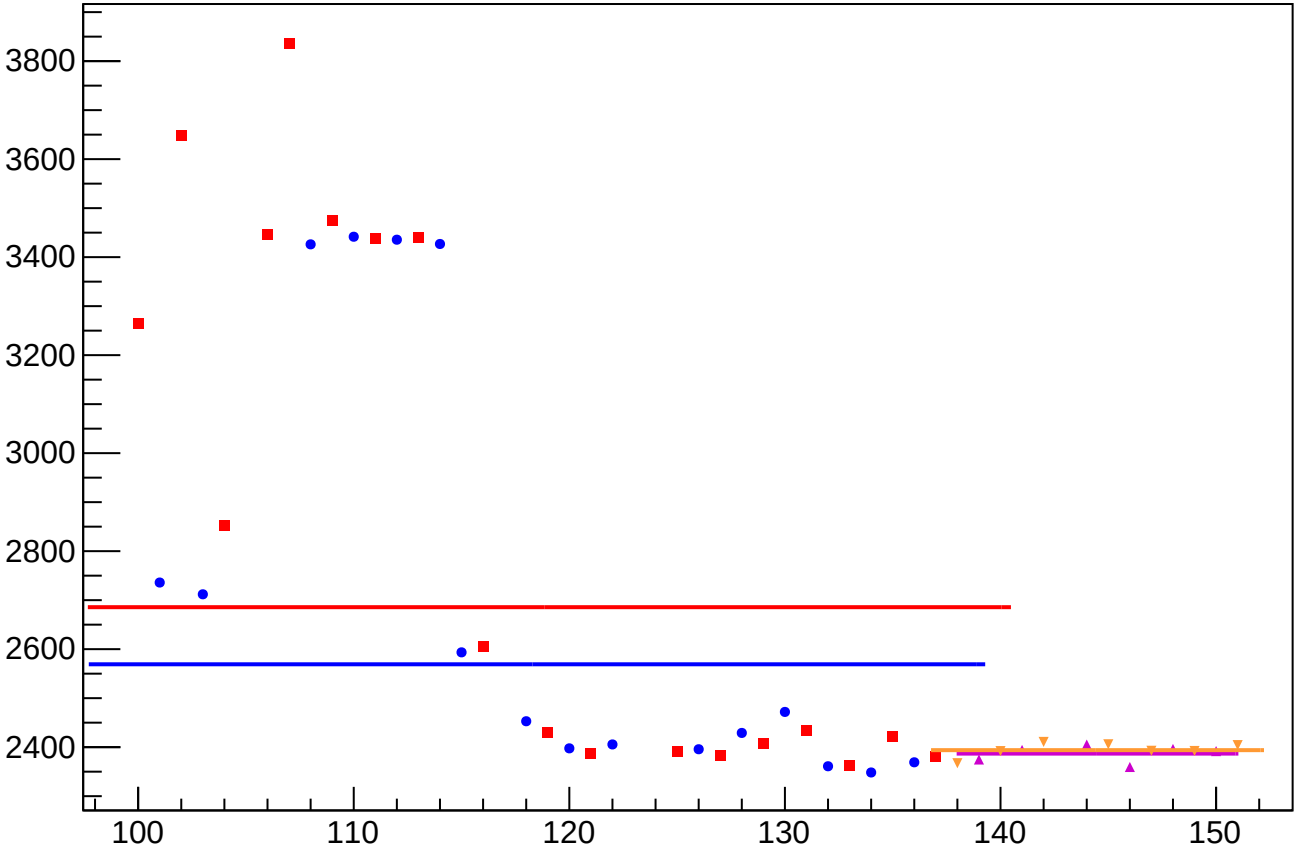
Left In: -1348.366+/-1039.494 χ^2/NDF:5.7/5

+ sign 1719.473+/-703.826 χ^2/NDF: 18.8/22

All: 219.198+/-504.678 χ^2/NDF: 53.6/46

- sign -1368.537+/-724.050 χ^2/NDF: 25.5/23

eigen_dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2393.903+/-0.730 χ^2/NDF:313.5/6

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

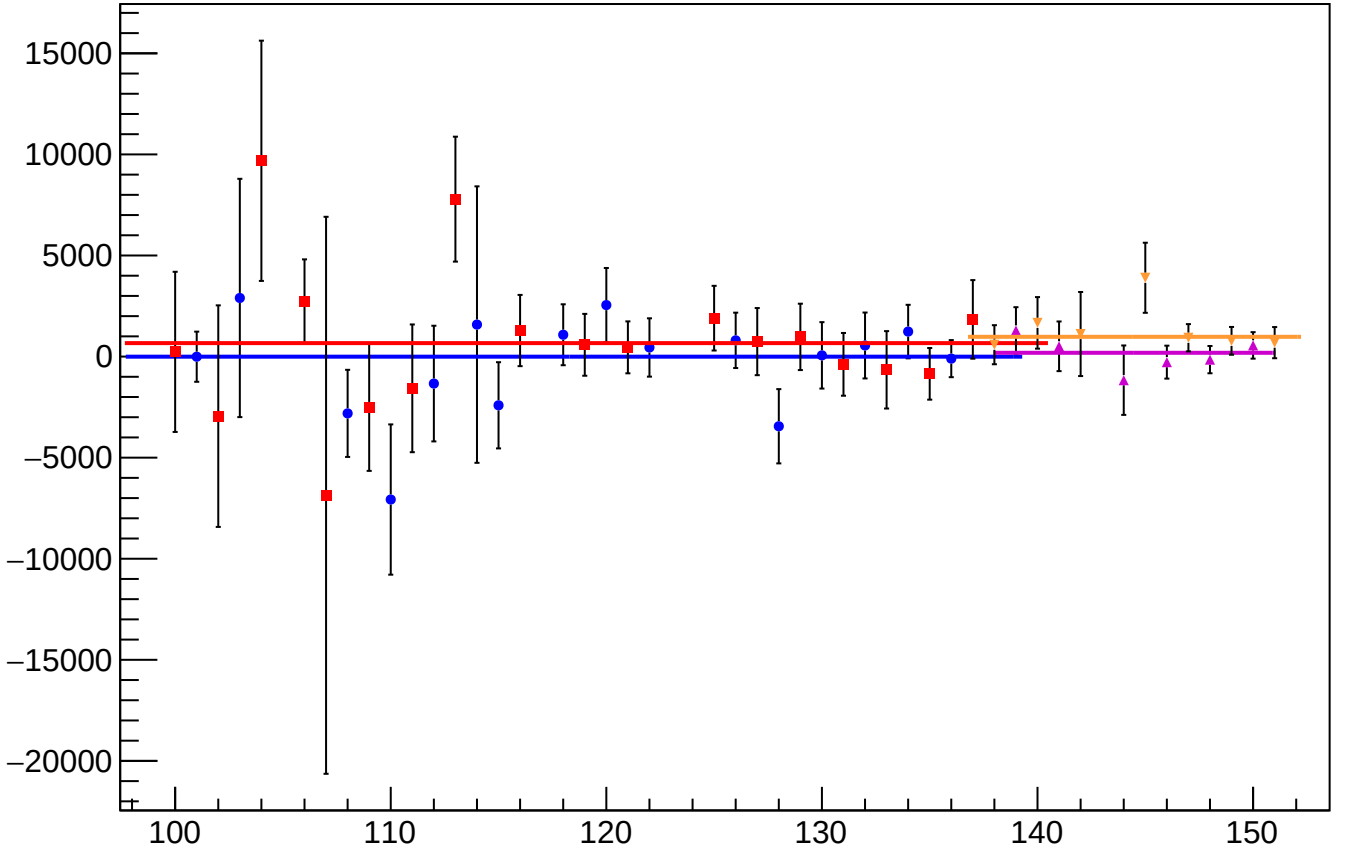
Left In: 2386.870+/-0.735 χ^2/NDF:442.5/5

+ sign 2487.635+/-0.498 χ^2/NDF: 260640.8/22

All: 2513.418+/-0.357 χ^2/NDF: 770951.1/46

- sign 2540.703+/-0.512 χ^2/NDF: 504786.3/23

asym_atl1_eigen_dit_correction_mean vs Slug



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 977.437+/-348.282 χ^2/NDF:3.5/6

Right Out: 665.953+/-460.513 χ^2/NDF: 14.4/17

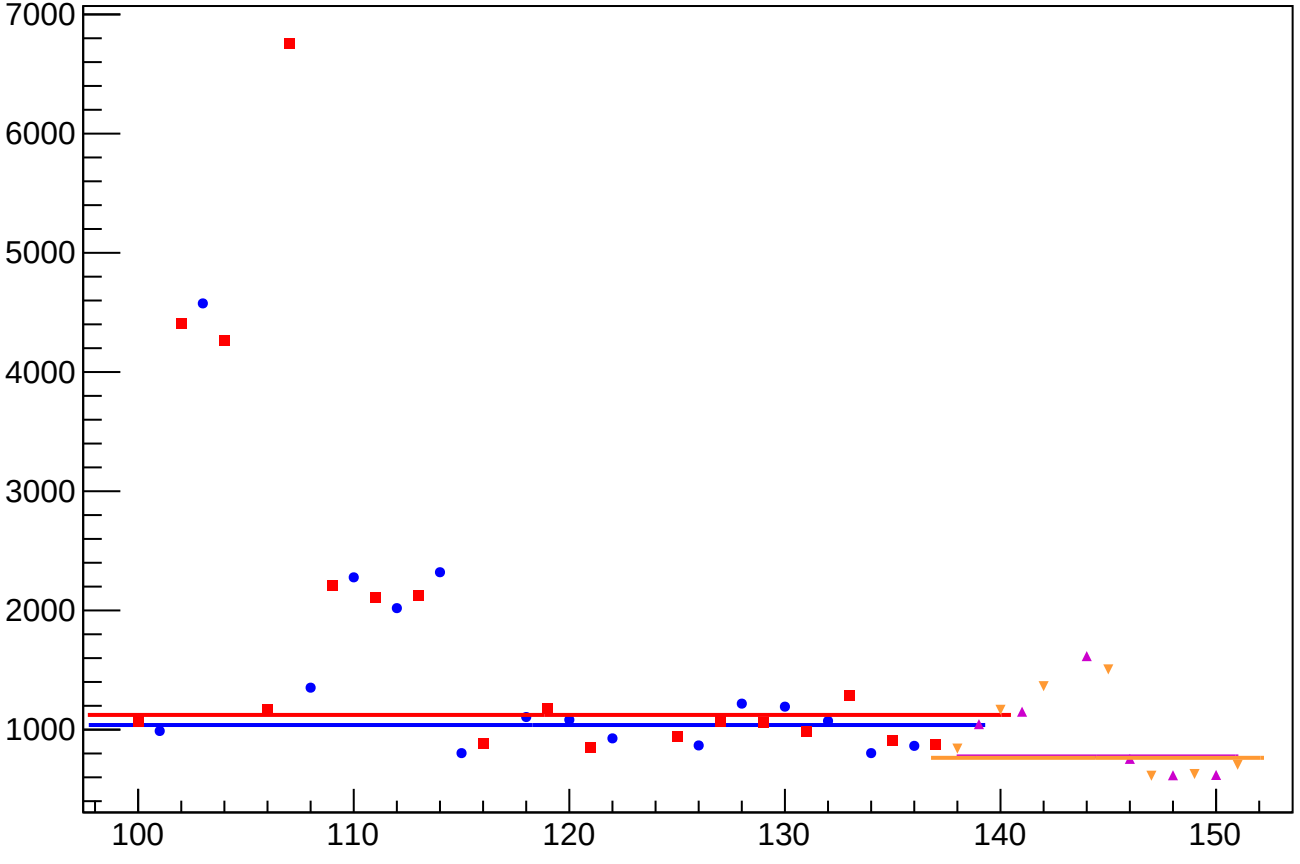
Left In: 186.865+/-358.205 χ^2/NDF:2.5/5

+ sign 568.197+/-266.046 χ^2/NDF: 21.4/22

All: 473.930+/-193.757 χ^2/NDF: 39.2/46

- sign 367.462+/-282.741 χ^2/NDF: 17.5/23

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 1038.804+/-0.292 χ^2/NDF: 1539724.8/15

Left Out: 763.663+/-0.246 χ^2/NDF:934300.0/6

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

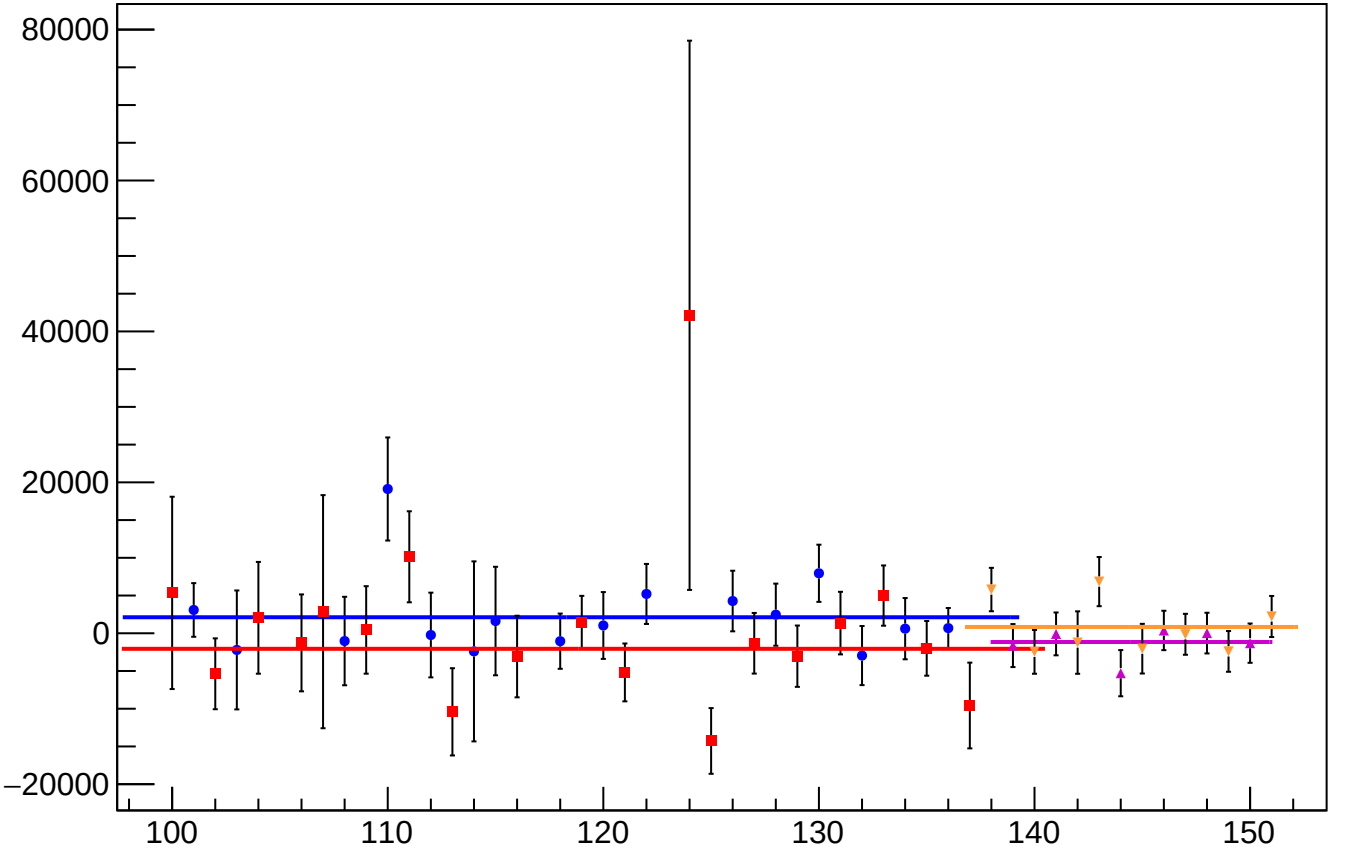
Left In: 775.262+/-0.253 χ^2/NDF:1001476.5/5

+ sign 878.255+/-0.188 χ^2/NDF: 2993870.0/22

All: 891.530+/-0.137 χ^2/NDF: 7253906.6/46

- sign 906.524+/-0.200 χ^2/NDF: 4249432.5/23

asym_atl1_mean vs Slug



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 834.038+/-1058.493 χ^2/NDF:10.5/7

Right Out: -2059.741+/-1136.807 χ^2/NDF: 24.3/18

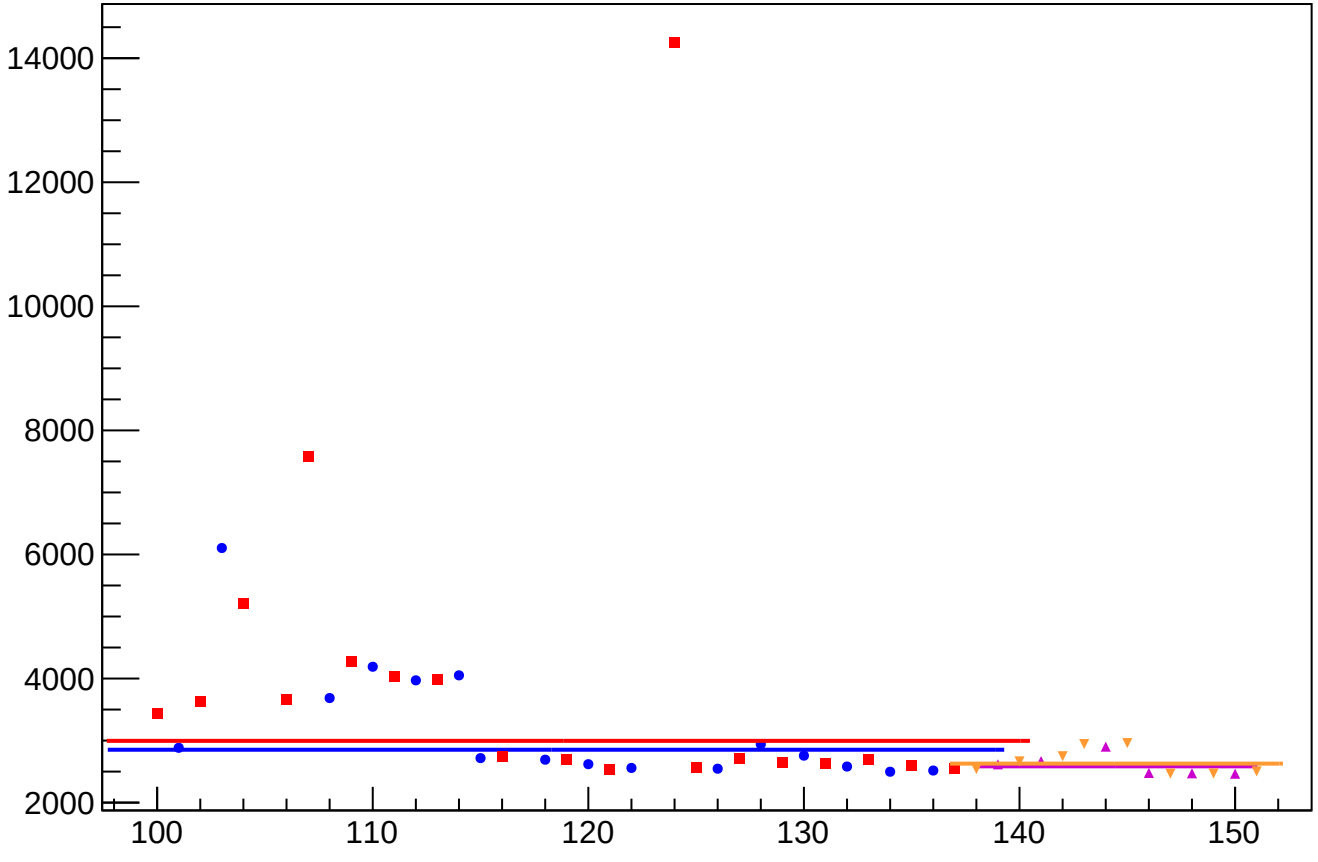
Left In: -1159.742+/-1127.930 χ^2/NDF:2.5/5

+ sign 1462.268+/-757.563 χ^2/NDF: 24.6/23

All: 12.882+/-550.292 χ^2/NDF: 59.5/48

- sign -1606.214+/-800.687 χ^2/NDF: 27.2/24

asym_atl1_rms vs Slug



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2628.443+/-0.748 χ^2/NDF:60969.5/7

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

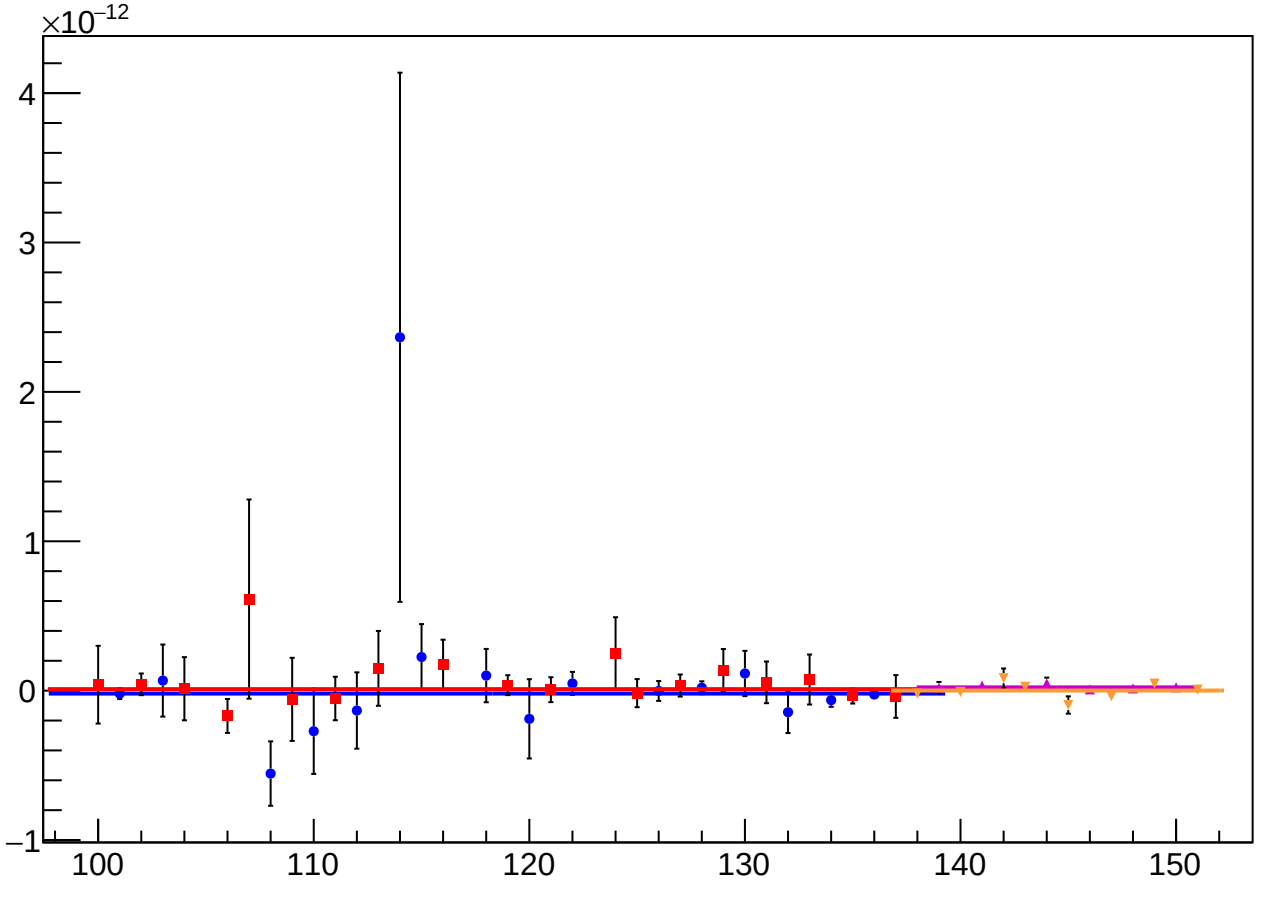
Left In: 2584.643+/-0.798 χ^2/NDF:34455.8/5

+ sign 2737.589+/-0.536 χ^2/NDF: 753280.9/23

All: 2761.624+/-0.389 χ^2/NDF: 1902827.2/48

- sign 2788.474+/-0.566 χ^2/NDF: 1145284.1/24

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:12.4/7

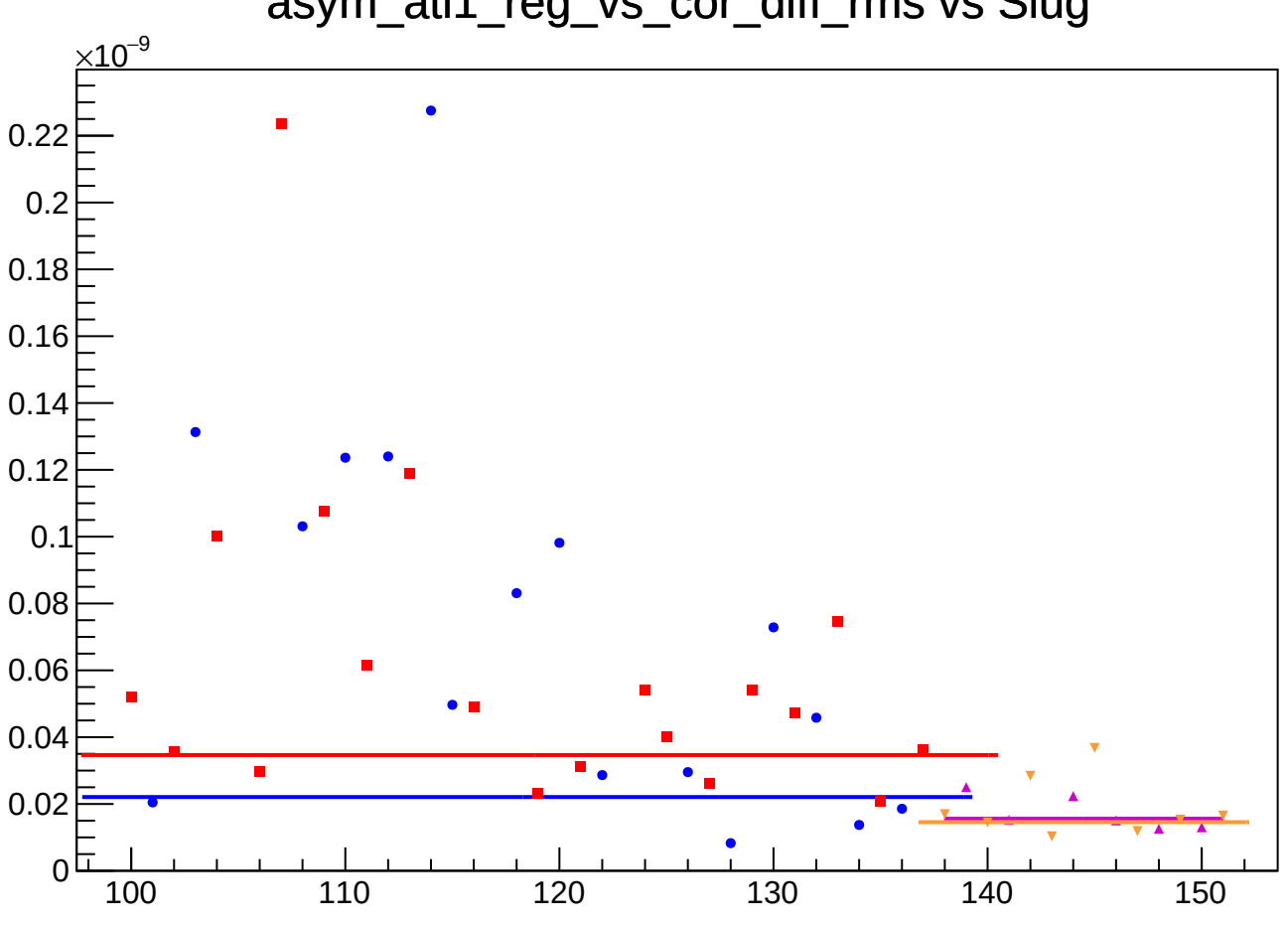
Right Out: 0.000+/-0.000 χ^2/NDF: 8.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1.0/5

+ sign -0.000+/-0.000 χ^2/NDF: 28.9/23

All: 0.000+/-0.000 χ^2/NDF: 41.6/48

- sign 0.000+/-0.000 χ^2/NDF: 9.5/24



Right In: 0.000+/-0.000 χ^2/NDF: 2344133.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:538724.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

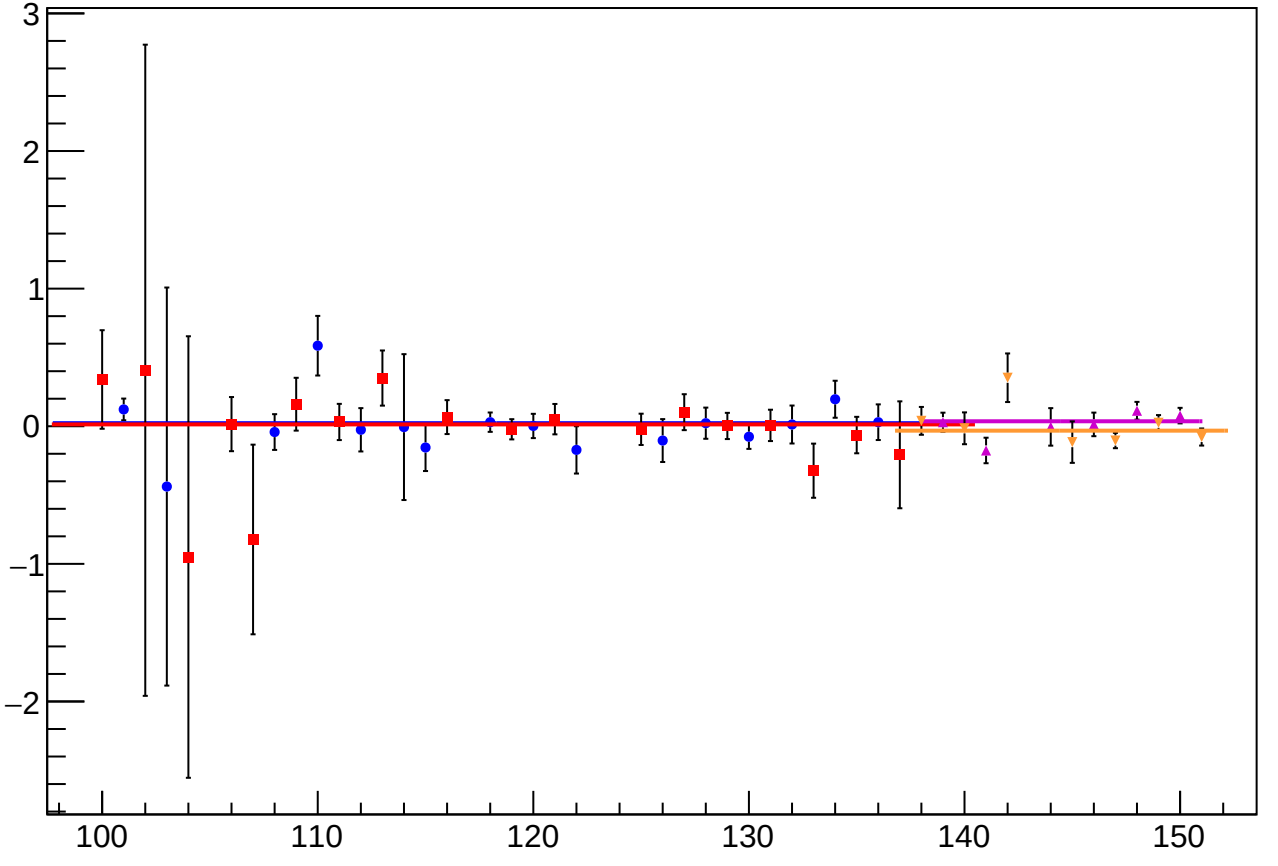
Left In: 0.000+/-0.000 χ^2/NDF:247199.8/5

+ sign 0.000+/-0.000 χ^2/NDF: 3175198.5/23

All: 0.000+/-0.000 χ^2/NDF: 5740324.5/48

- sign 0.000+/-0.000 χ^2/NDF: 2482454.4/24

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: -0.032+/-0.029 χ^2/NDF:8.8/6

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

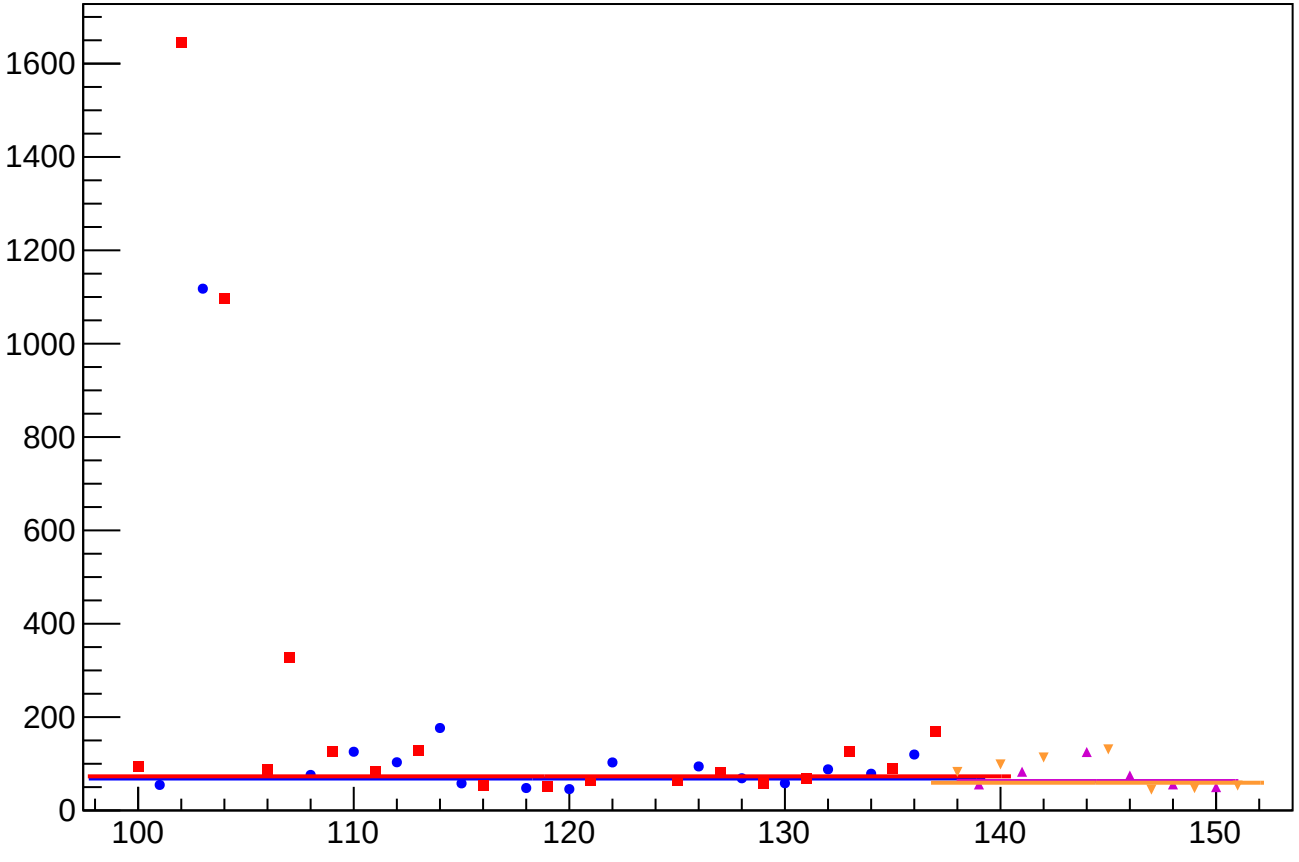
Left In: 0.036+/-0.031 χ^2/NDF:7.3/5

+ sign -0.006+/-0.021 χ^2/NDF: 25.3/22

All: 0.009+/-0.015 χ^2/NDF: 44.7/46

- sign 0.026+/-0.023 χ^2/NDF: 18.4/23

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 59.404+/-0.021 χ^2/NDF:1216099.0/6

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

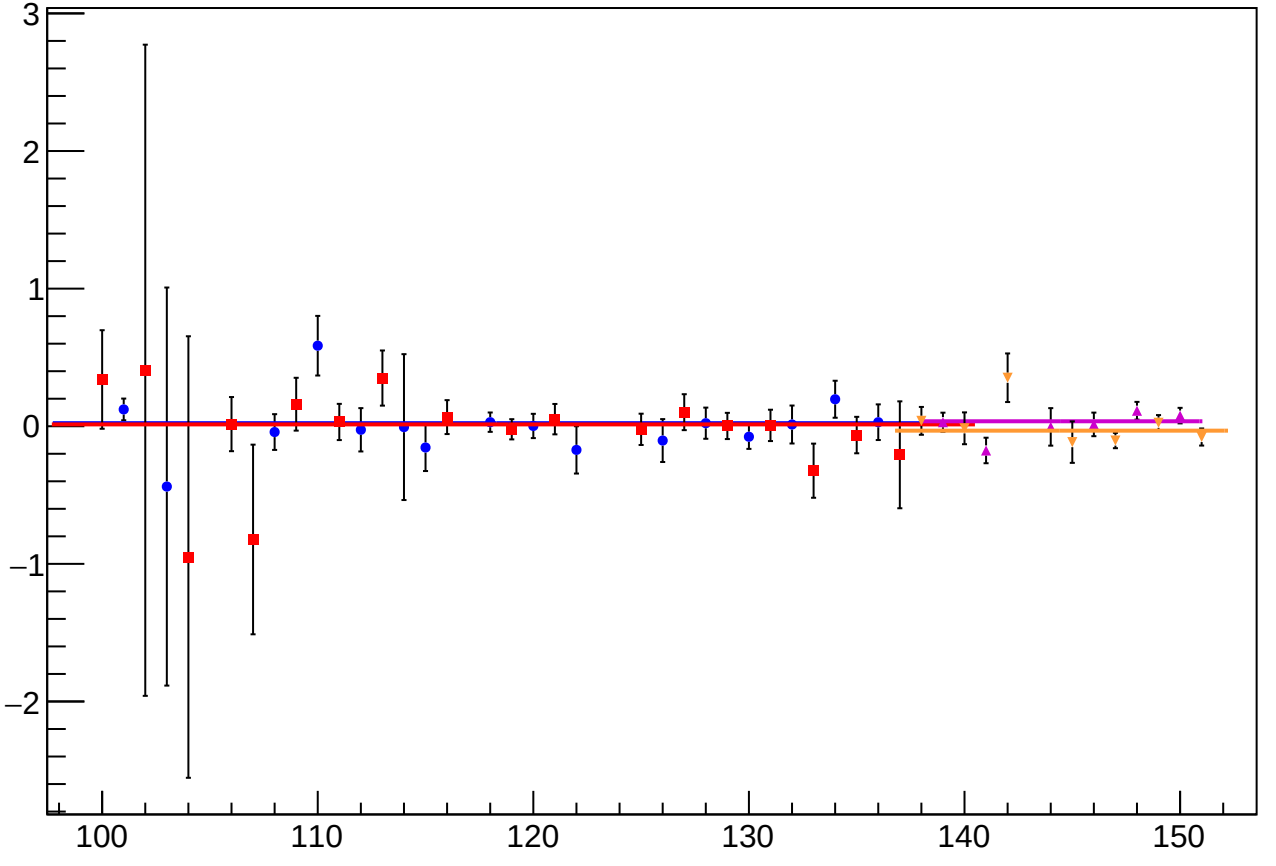
Left In: 63.008+/-0.022 χ^2/NDF:700067.9/5

+ sign 63.817+/-0.015 χ^2/NDF: 3585775.9/22

All: 65.572+/-0.011 χ^2/NDF: 7327297.8/46

- sign 67.585+/-0.016 χ^2/NDF: 3711757.6/23

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: -0.032+/-0.029 χ^2/NDF:8.8/6

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

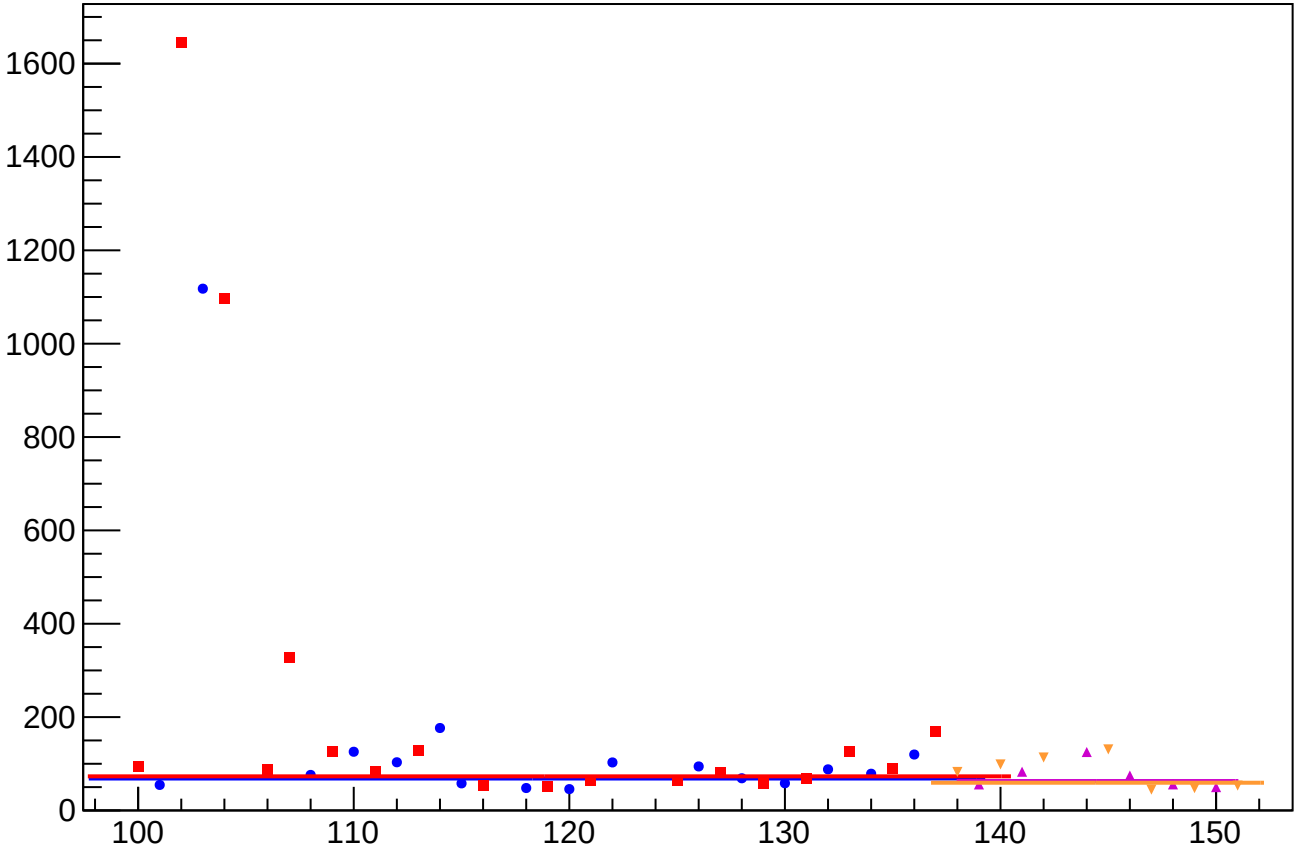
Left In: 0.036+/-0.031 χ^2/NDF:7.3/5

+ sign -0.006+/-0.021 χ^2/NDF: 25.3/22

All: 0.009+/-0.015 χ^2/NDF: 44.7/46

- sign 0.026+/-0.023 χ^2/NDF: 18.4/23

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 59.404+/-0.021 χ^2/NDF:1216099.0/6

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

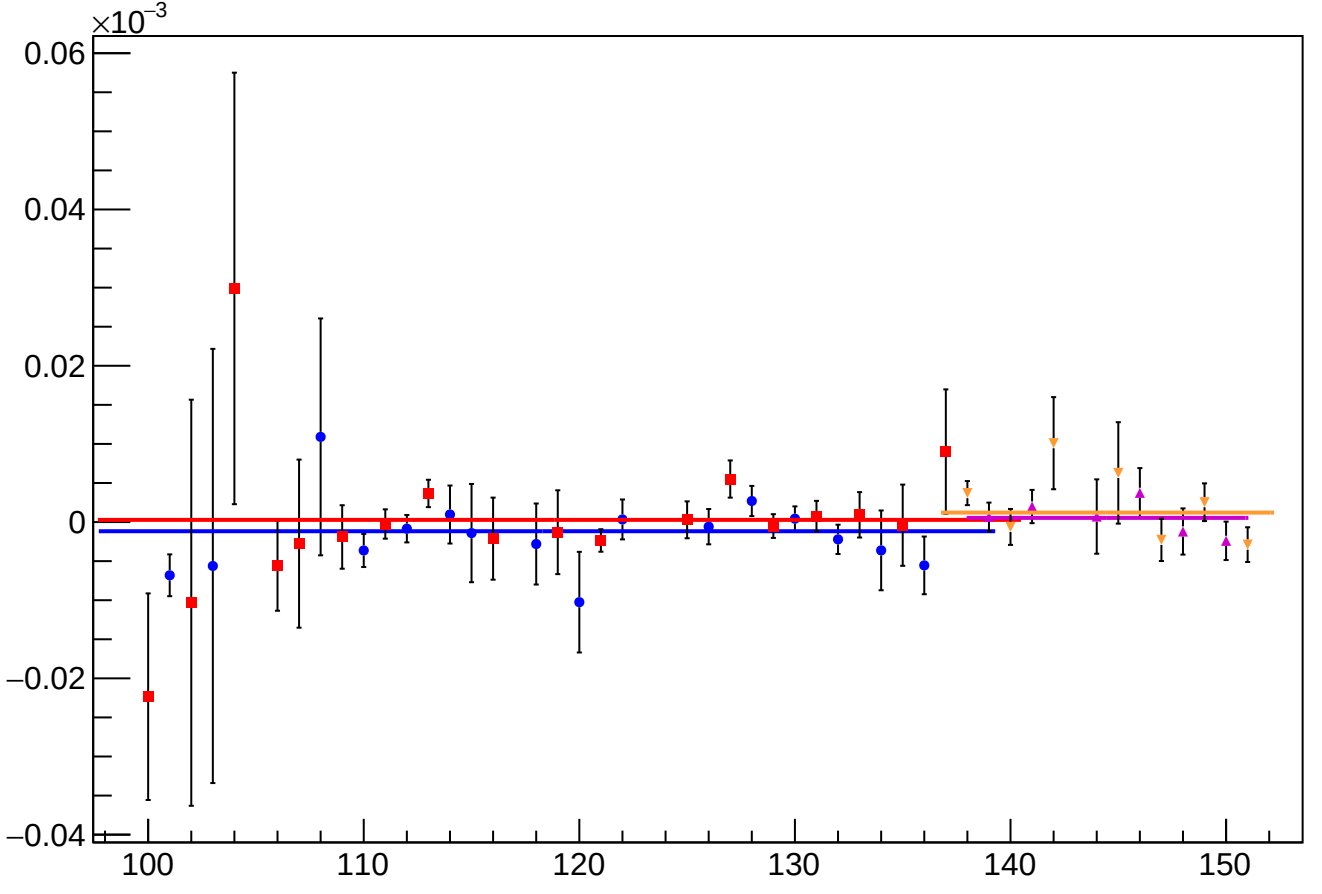
Left In: 63.008+/-0.022 χ^2/NDF:700067.9/5

+ sign 63.817+/-0.015 χ^2/NDF: 3585775.9/22

All: 65.572+/-0.011 χ^2/NDF: 7327297.8/46

- sign 67.585+/-0.016 χ^2/NDF: 3711757.6/23

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:11.5/6

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

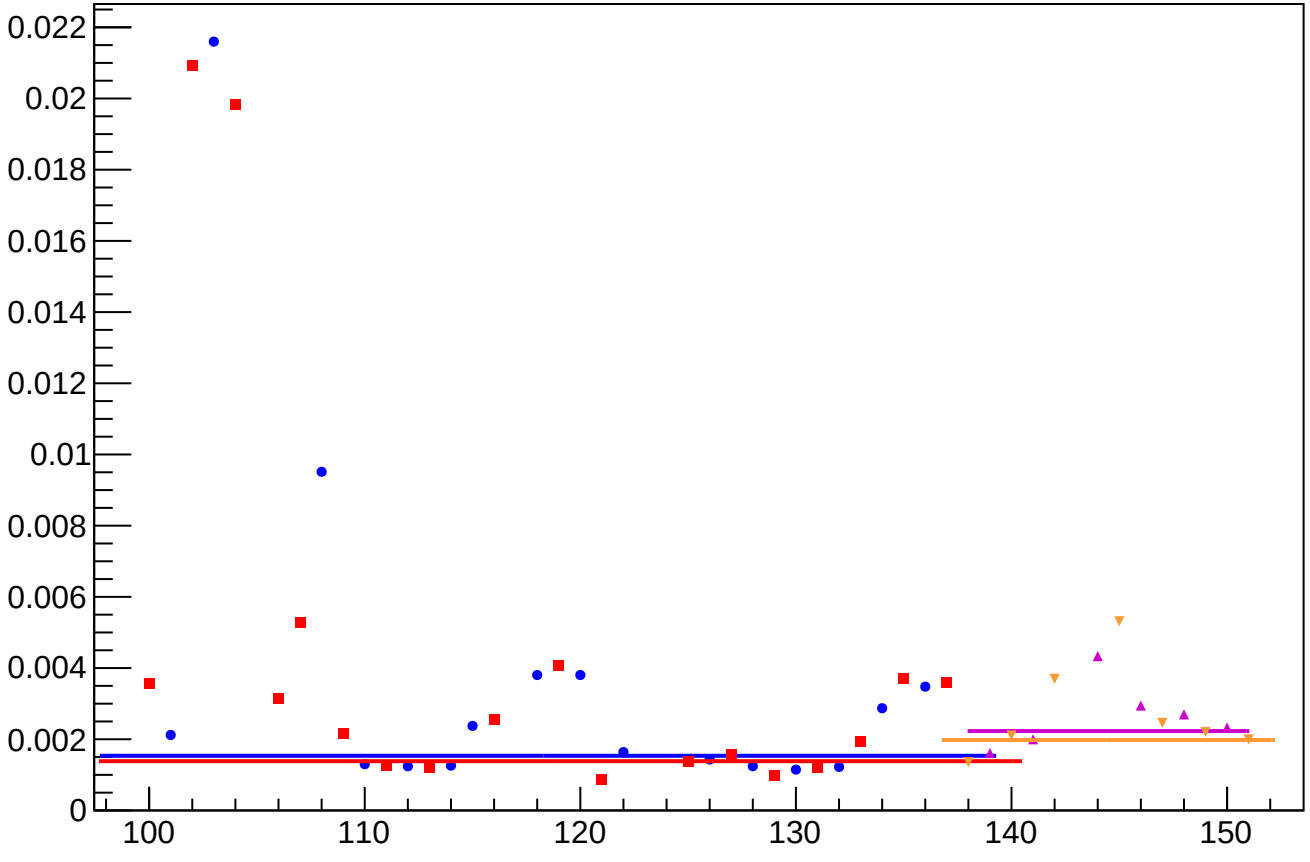
Left In: 0.000+/-0.000 χ^2/NDF:3.3/5

+ sign -0.000+/-0.000 χ^2/NDF: 32.2/22

All: -0.000+/-0.000 χ^2/NDF: 55.9/46

- sign 0.000+/-0.000 χ^2/NDF: 22.9/23

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:1111213.7/6

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

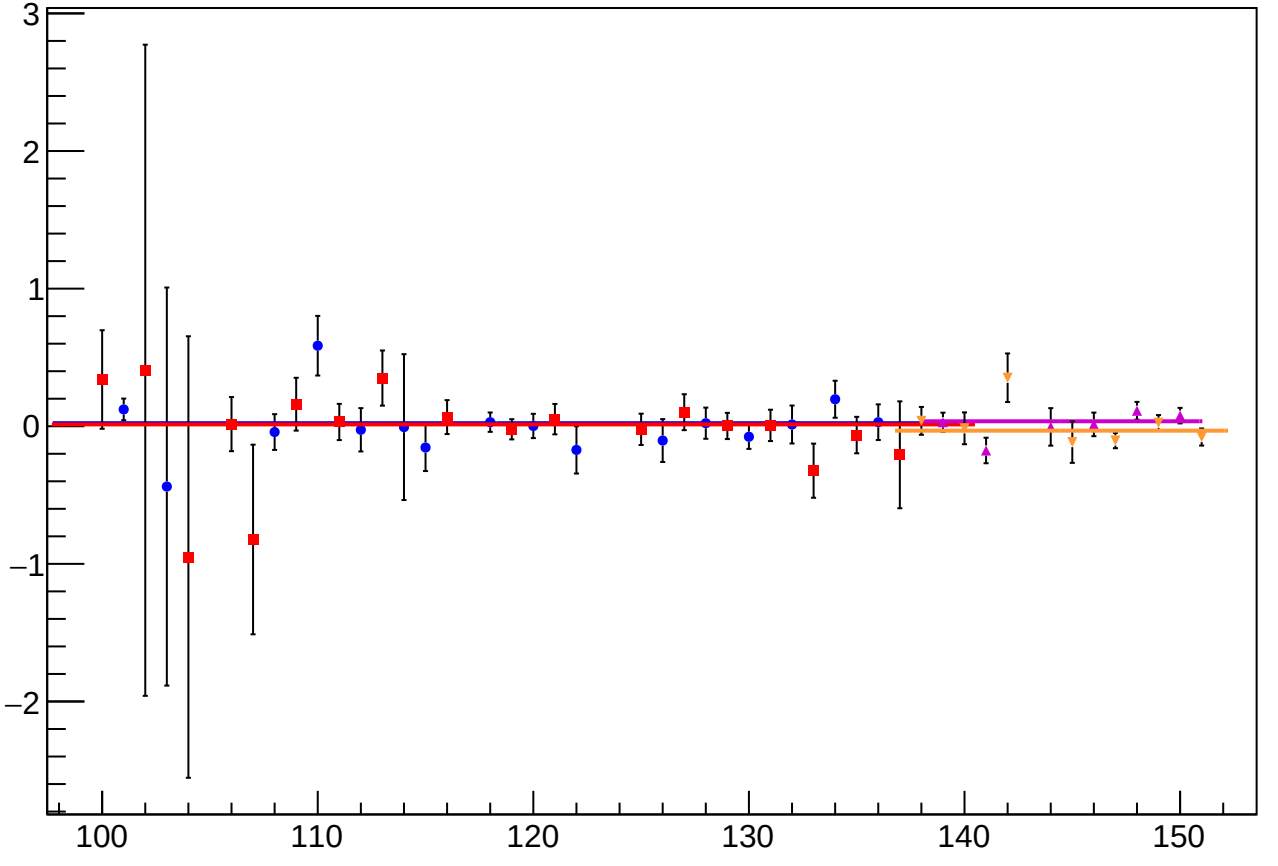
Left In: 0.002+/-0.000 χ^2/NDF:796508.0/5

+ sign 0.002+/-0.000 χ^2/NDF: 4786994.6/22

All: 0.002+/-0.000 χ^2/NDF: 10850086.9/46

- sign 0.002+/-0.000 χ^2/NDF: 6045859.8/23

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: -0.032+/-0.029 χ^2/NDF:8.8/6

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

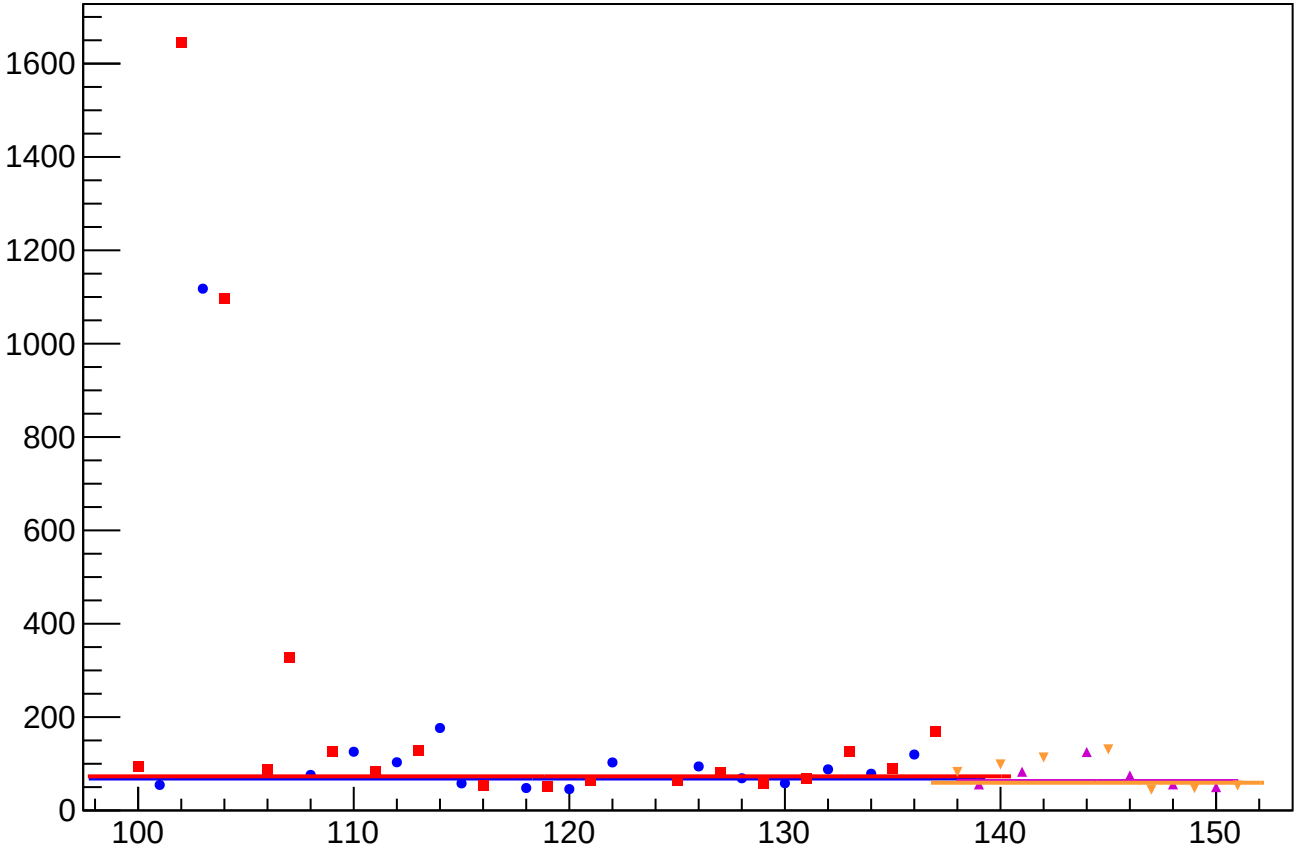
Left In: 0.036+/-0.031 χ^2/NDF:7.3/5

+ sign -0.006+/-0.021 χ^2/NDF: 25.3/22

All: 0.009+/-0.015 χ^2/NDF: 44.7/46

- sign 0.026+/-0.023 χ^2/NDF: 18.4/23

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 59.405+/-0.021 χ^2/NDF:1216019.2/6

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

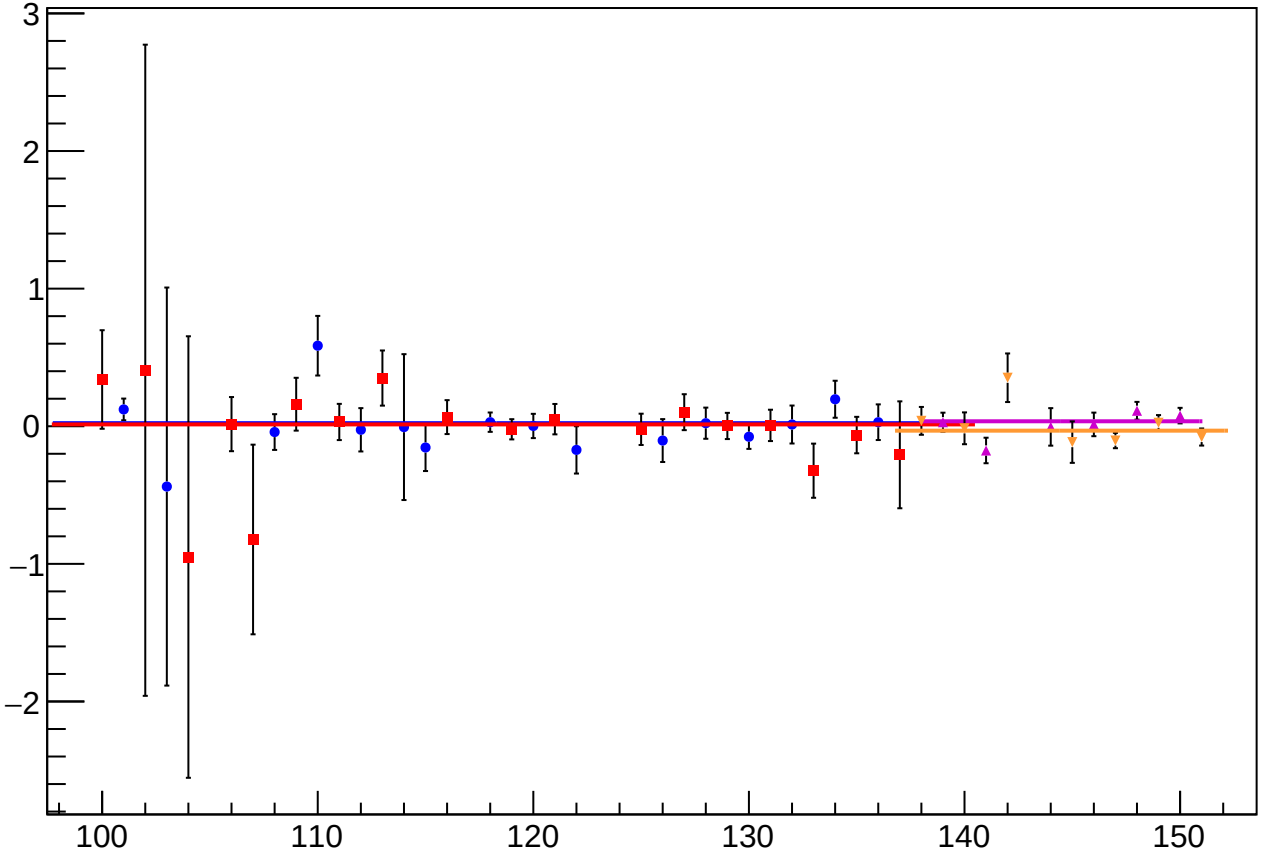
Left In: 63.008+/-0.022 χ^2/NDF:700074.6/5

+ sign 63.817+/-0.015 χ^2/NDF: 3585737.7/22

All: 65.572+/-0.011 χ^2/NDF: 7327265.4/46

- sign 67.585+/-0.016 χ^2/NDF: 3711771.5/23

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: -0.032+/-0.029 χ^2/NDF:8.8/6

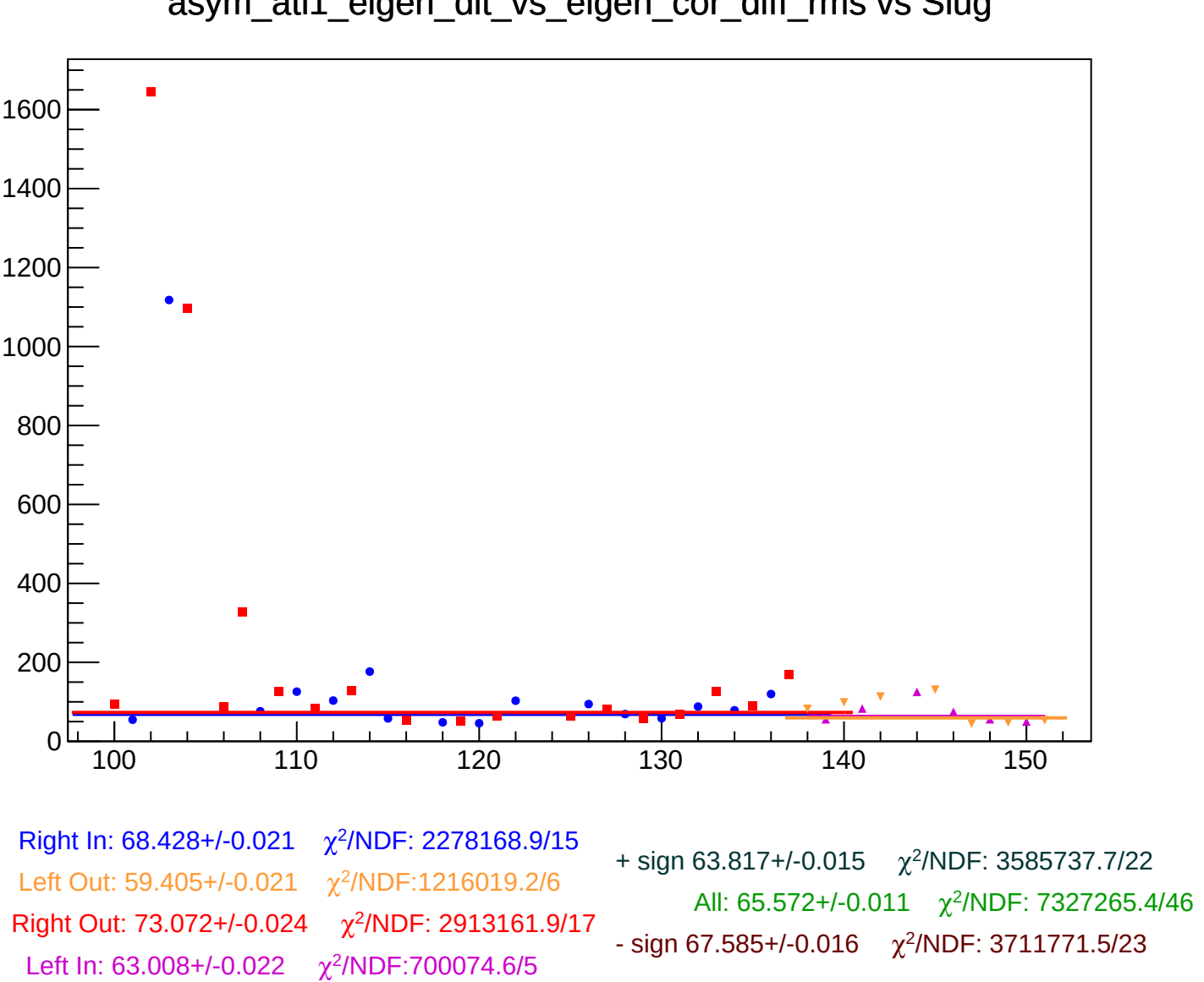
Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.036+/-0.031 χ^2/NDF:7.3/5

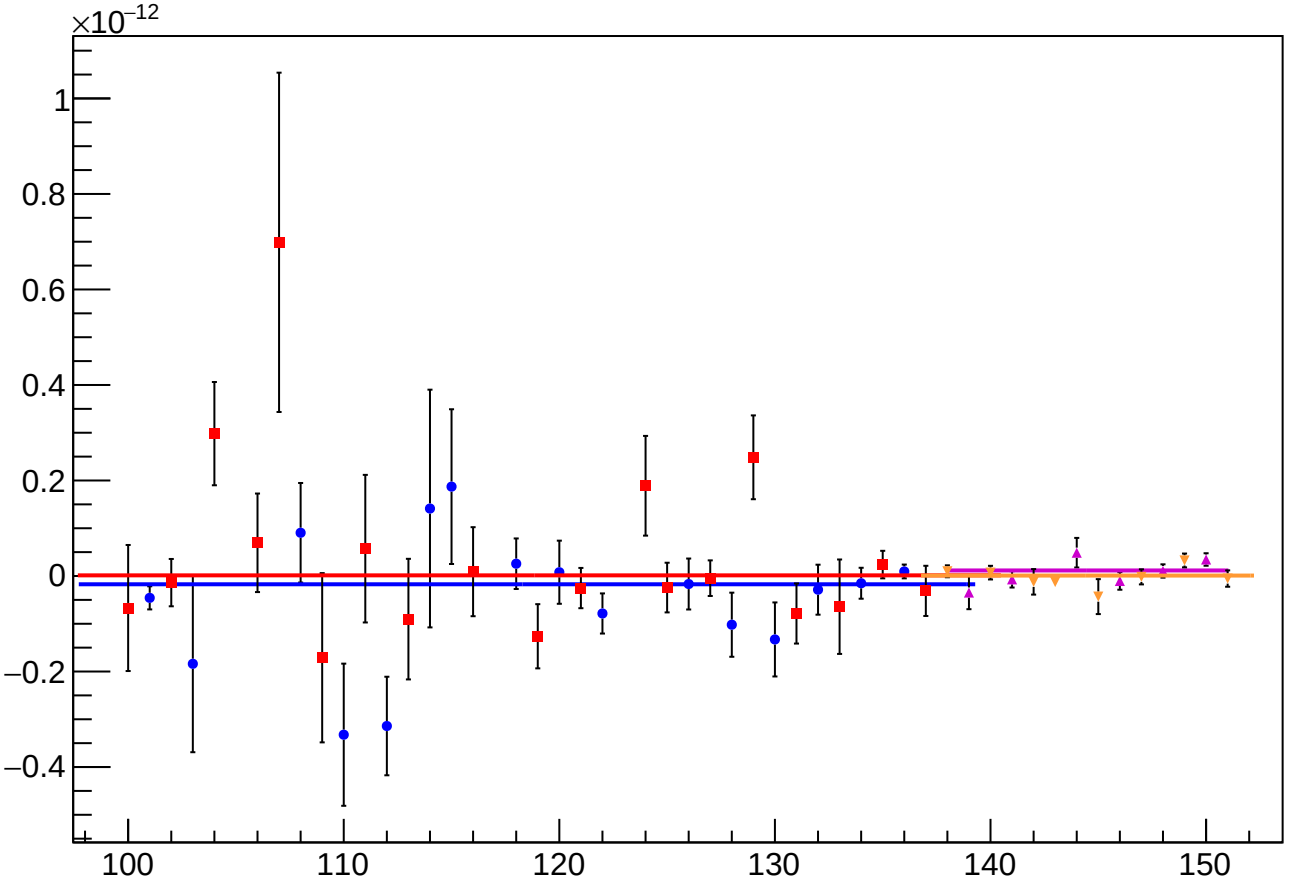
+ sign -0.006+/-0.021 χ^2/NDF: 25.3/22

All: 0.009+/-0.015 χ^2/NDF: 44.7/46

- sign 0.026+/-0.023 χ^2/NDF: 18.4/23


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
Right In: 68.428+/-0.021 χ²/NDF: 2278168.9/15
Left Out: 59.405+/-0.021 χ²/NDF:1216019.2/6
Right Out: 73.072+/-0.024 χ²/NDF: 2913161.9/17
Left In: 63.008+/-0.022 χ²/NDF:700074.6/5
+ sign 63.817+/-0.015 χ²/NDF: 3585737.7/22
All: 65.572+/-0.011 χ²/NDF: 7327265.4/46
- sign 67.585+/-0.016 χ²/NDF: 3711771.5/23

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:9.4/7

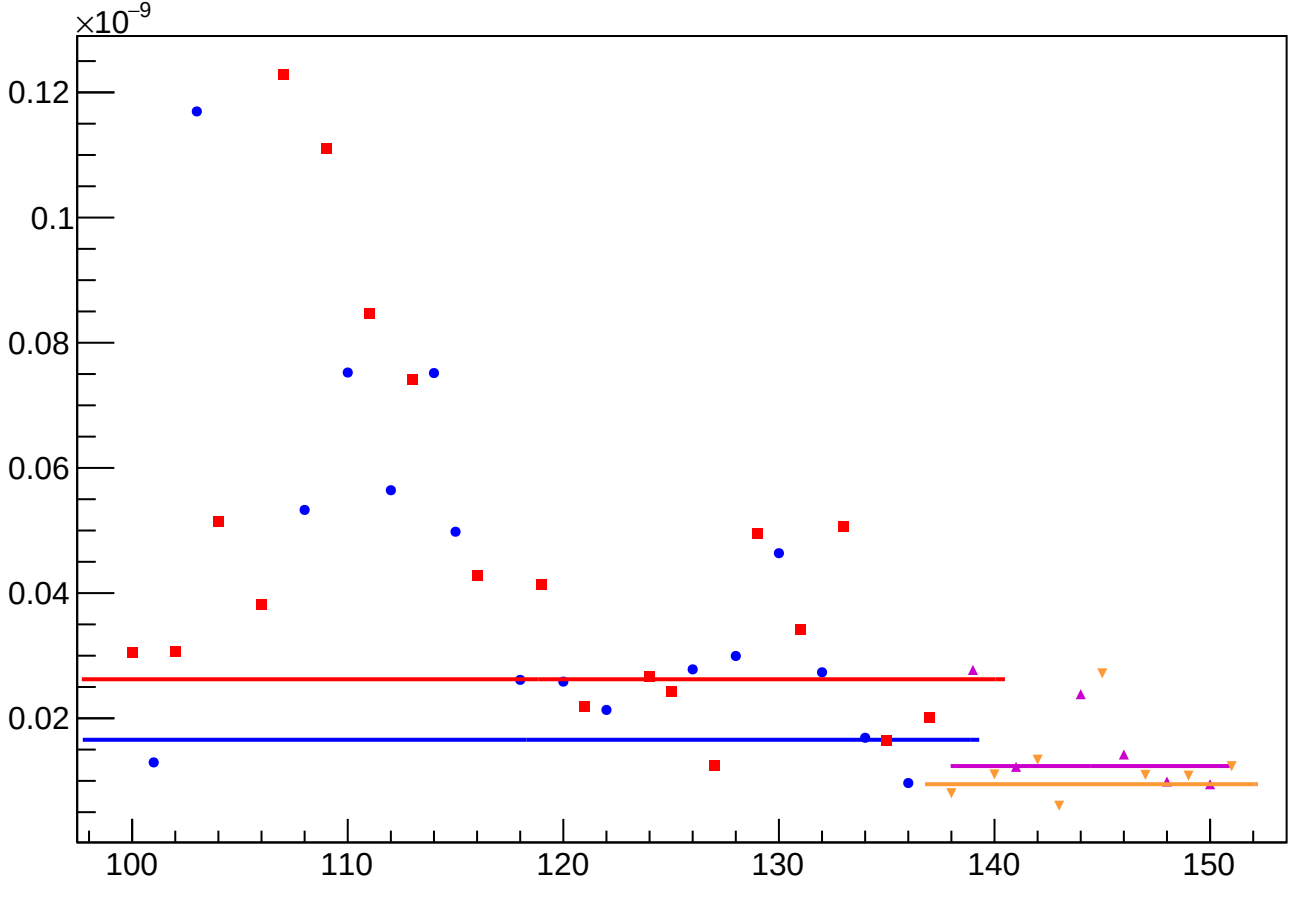
Right Out: 0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: 0.000+/-0.000 χ^2/NDF:8.9/5

+ sign -0.000+/-0.000 χ^2/NDF: 40.3/23

All: 0.000+/-0.000 χ^2/NDF: 84.4/48

- sign 0.000+/-0.000 χ^2/NDF: 41.6/24



Right In: 0.000+/-0.000 χ^2/NDF: 2823424.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:925220.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2346394.7/18

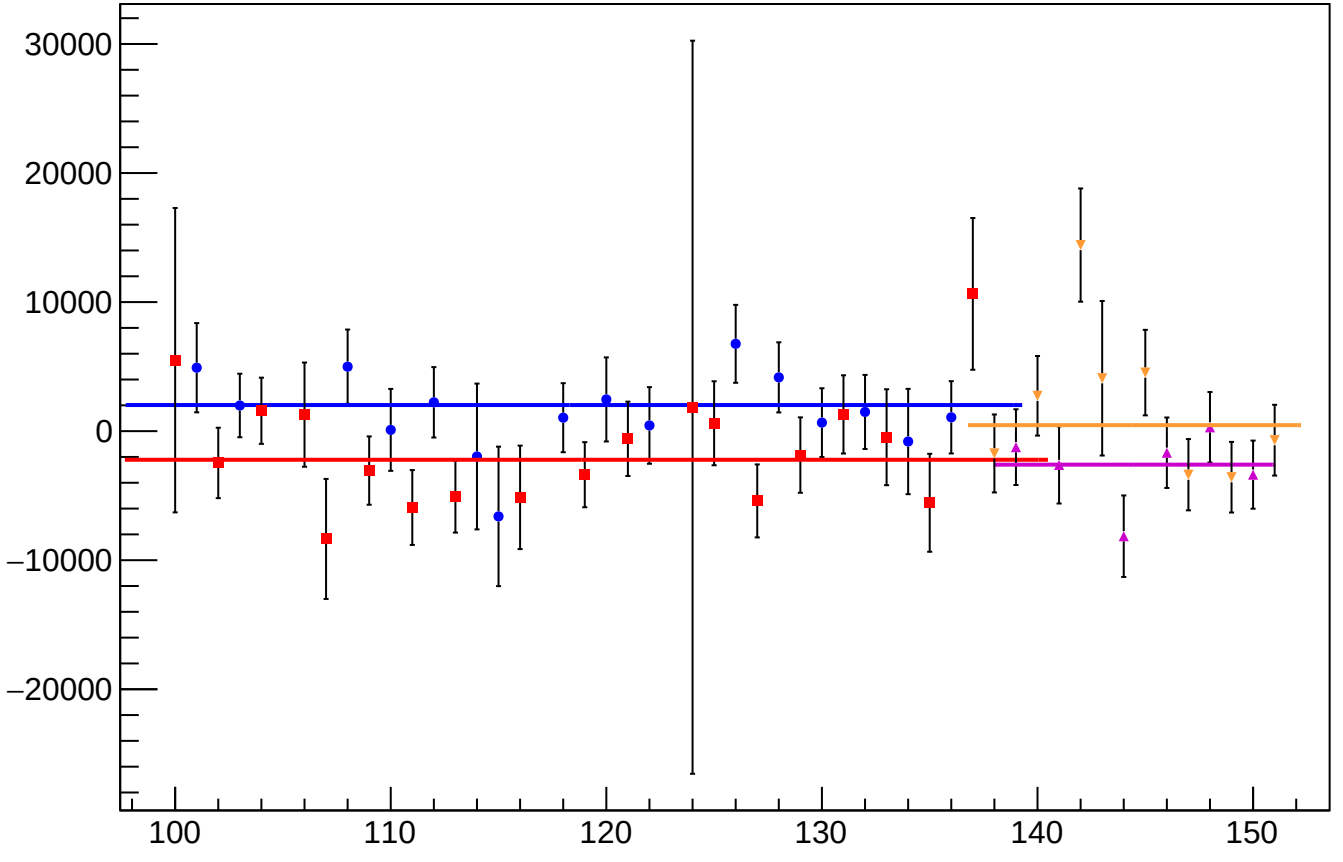
Left In: 0.000+/-0.000 χ^2/NDF:844600.9/5

+ sign 0.000+/-0.000 χ^2/NDF: 4543762.0/23

All: 0.000+/-0.000 χ^2/NDF: 9808832.7/48

- sign 0.000+/-0.000 χ^2/NDF: 4698090.1/24

reg_asym_atl2_mean vs Slug



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 464.054+/-1129.933 χ^2/NDF:17.4/7

Right Out: -2217.261+/-756.139 χ^2/NDF: 18.1/18

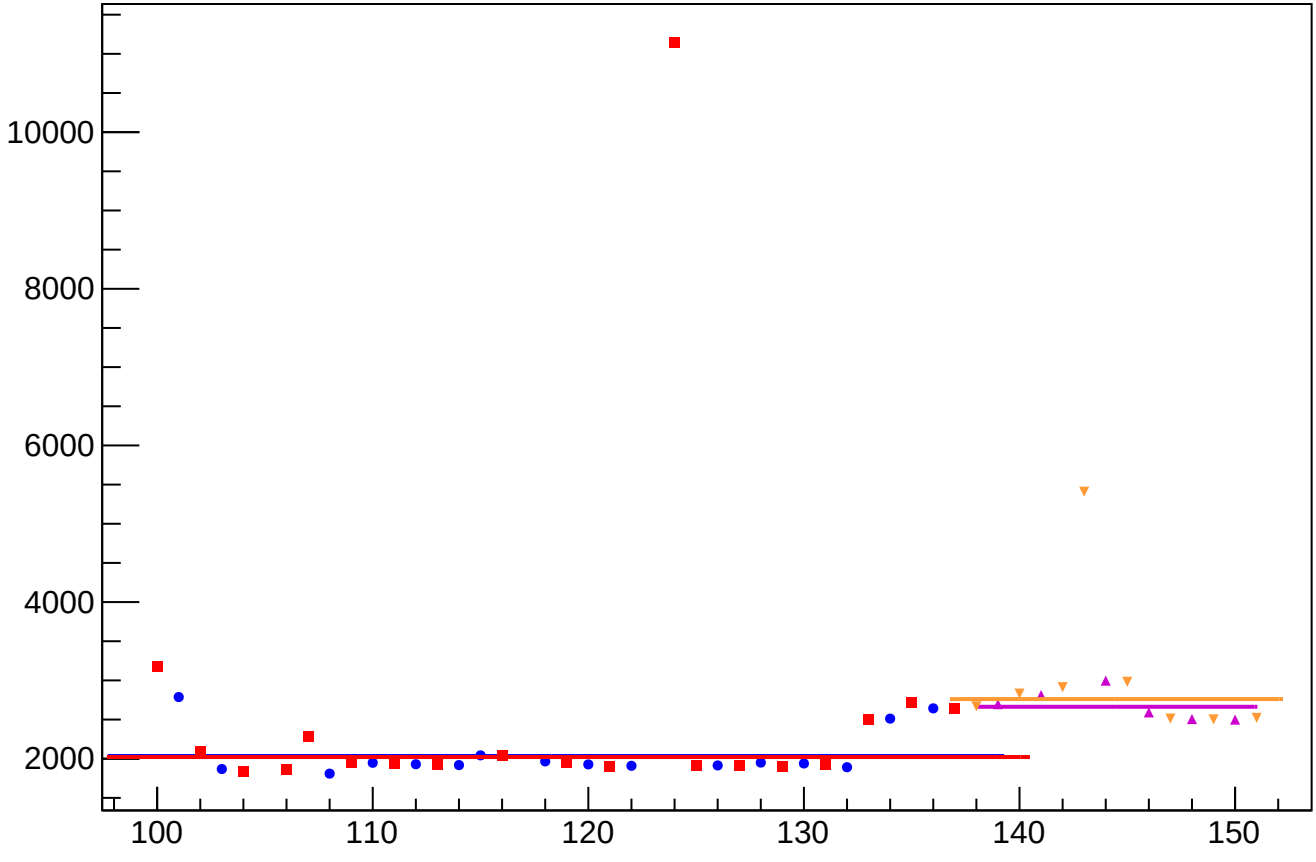
Left In: -2597.269+/-1162.543 χ^2/NDF:4.6/5

+ sign 1533.370+/-633.107 χ^2/NDF: 28.3/23

All: -396.136+/-447.940 χ^2/NDF: 69.7/48

- sign -2330.230+/-633.859 χ^2/NDF: 22.8/24

reg_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 2761.400+/-0.799 χ^2/NDF:454860.4/7

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

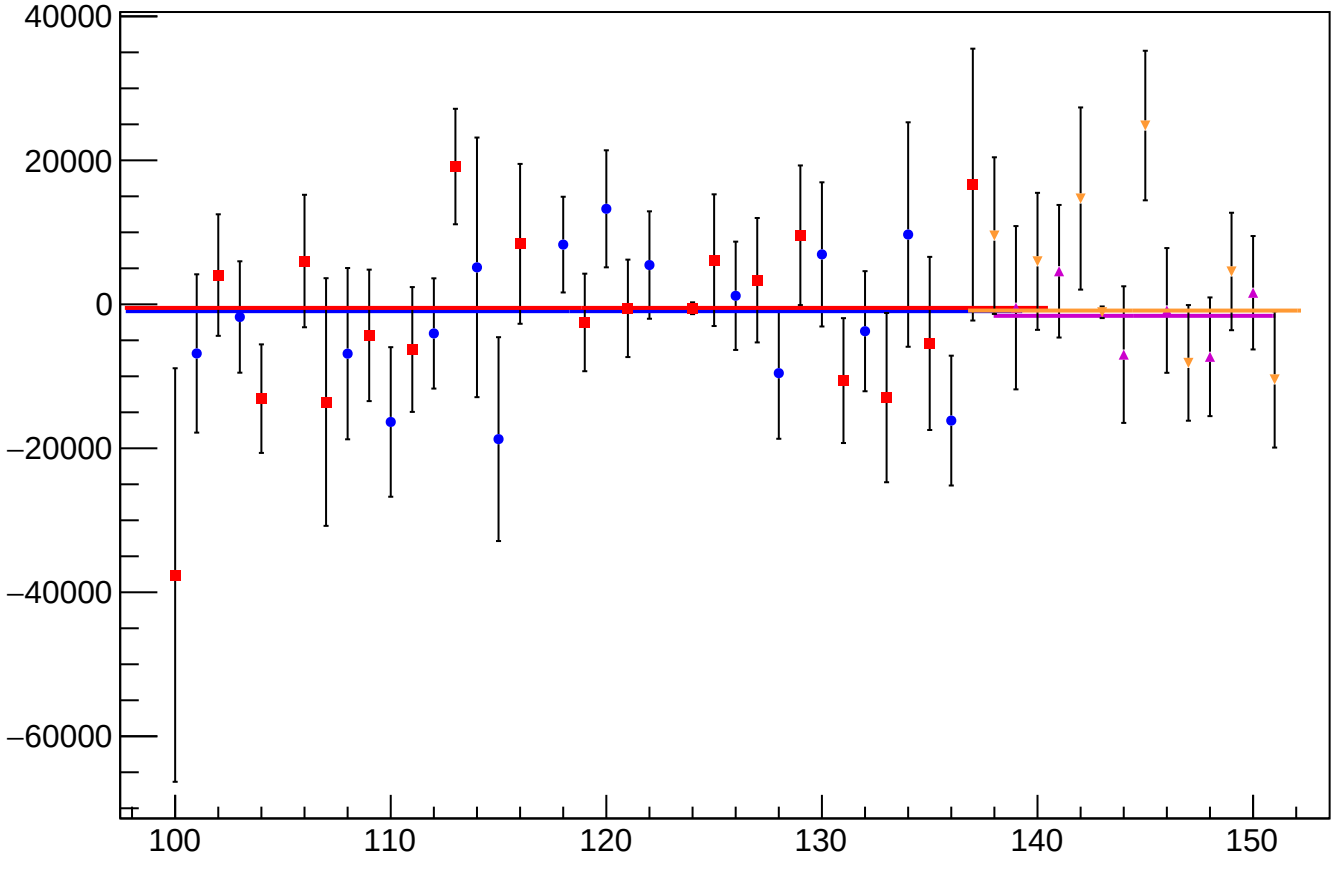
Left In: 2663.176+/-0.822 χ^2/NDF:43249.0/5

+ sign 2262.470+/-0.448 χ^2/NDF: 1286206.3/23

All: 2237.409+/-0.317 χ^2/NDF: 2154169.7/48

- sign 2212.289+/-0.448 χ^2/NDF: 861688.7/24

asym_atl2_reg_correction_mean vs Slug



Right In: -950.519+/-2278.532 χ^2/NDF: 15.3/15

Left Out: -868.016+/-787.713 χ^2/NDF:11.4/7

Right Out: -497.346+/-768.286 χ^2/NDF: 18.5/18

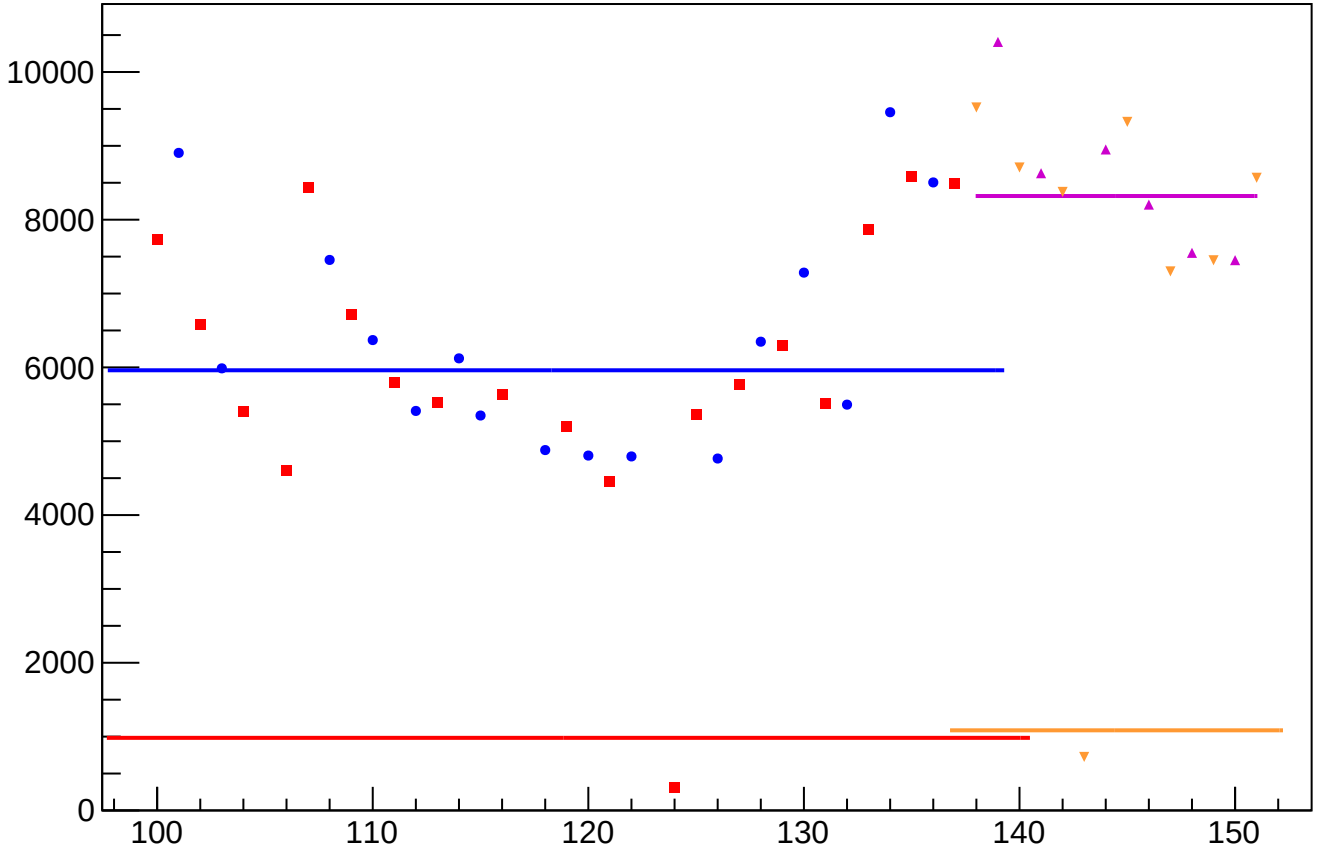
Left In: -1598.896+/-3655.659 χ^2/NDF:1.4/5

+ sign -876.824+/-744.480 χ^2/NDF: 26.8/23

All: -712.025+/-529.017 χ^2/NDF: 46.8/48

- sign -543.942+/-751.862 χ^2/NDF: 20.0/24

asym_atl2_reg_correction_rms vs Slug



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 1085.112+/-0.557 χ^2/NDF:8470308.0/7

Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

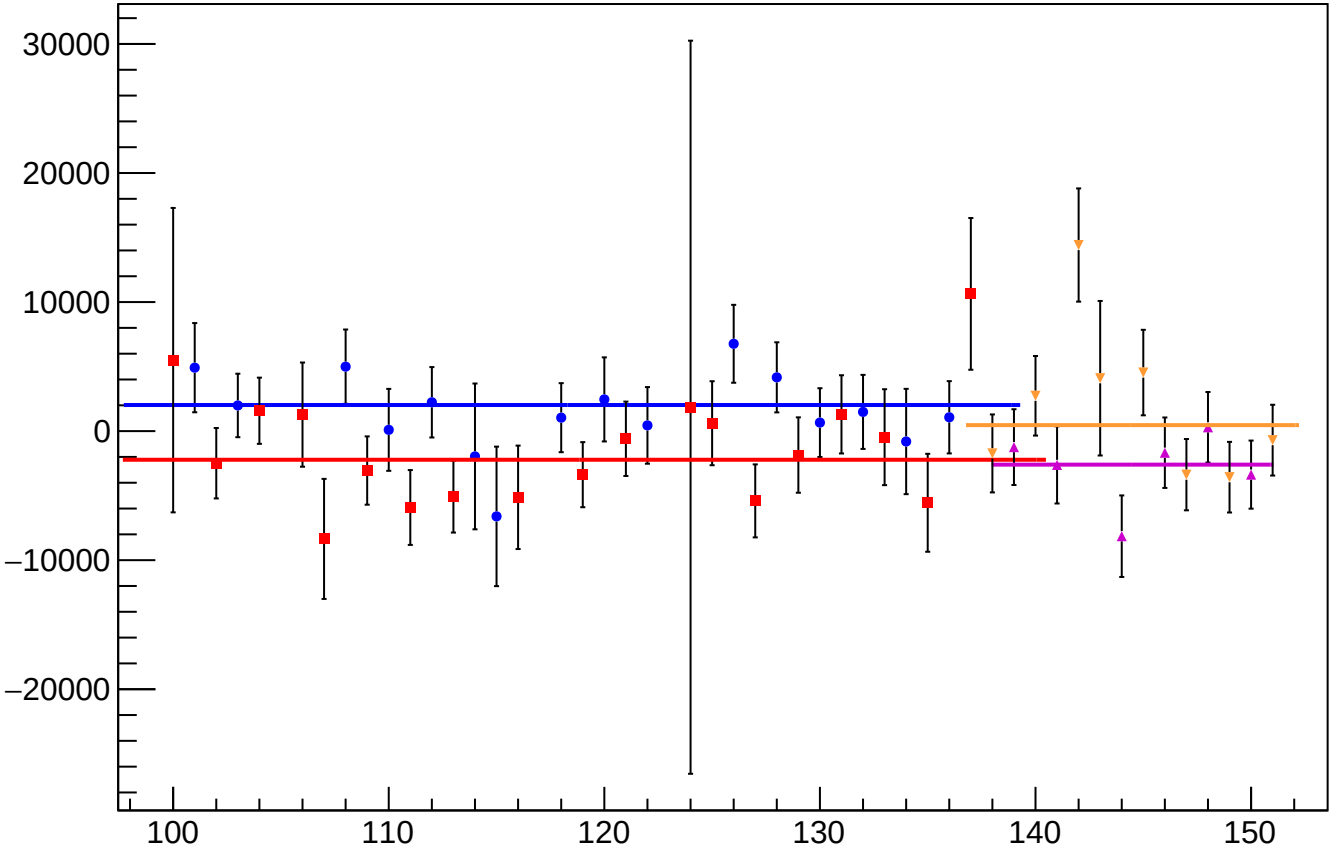
Left In: 8320.696+/-2.585 χ^2/NDF:120880.6/5

+ sign 1605.625+/-0.526 χ^2/NDF: 17339732.1/23

All: 1451.197+/-0.374 χ^2/NDF: 36767443.4/4

- sign 1293.690+/-0.532 χ^2/NDF: 19253884.7/24

cor_asym_atl2_mean vs Slug



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 464.098+/-1129.933 χ^2/NDF:17.4/7

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

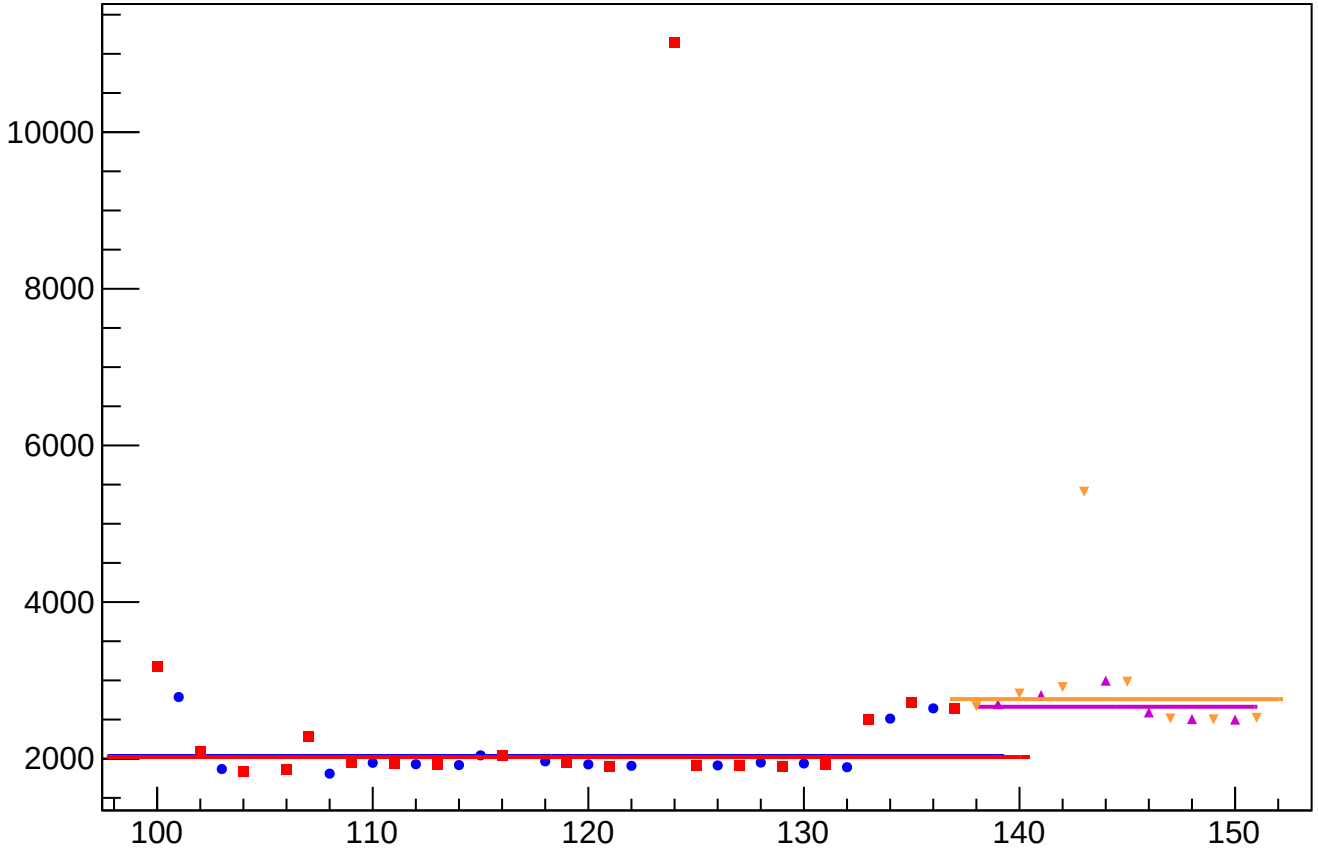
Left In: -2597.382+/-1162.543 χ^2/NDF:4.6/5

+ sign 1533.470+/-633.107 χ^2/NDF: 28.3/23

All: -396.734+/-447.941 χ^2/NDF: 69.7/48

- sign -2331.557+/-633.864 χ^2/NDF: 22.8/24

cor_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2761.400+/-0.799 χ^2/NDF:454860.4/7

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

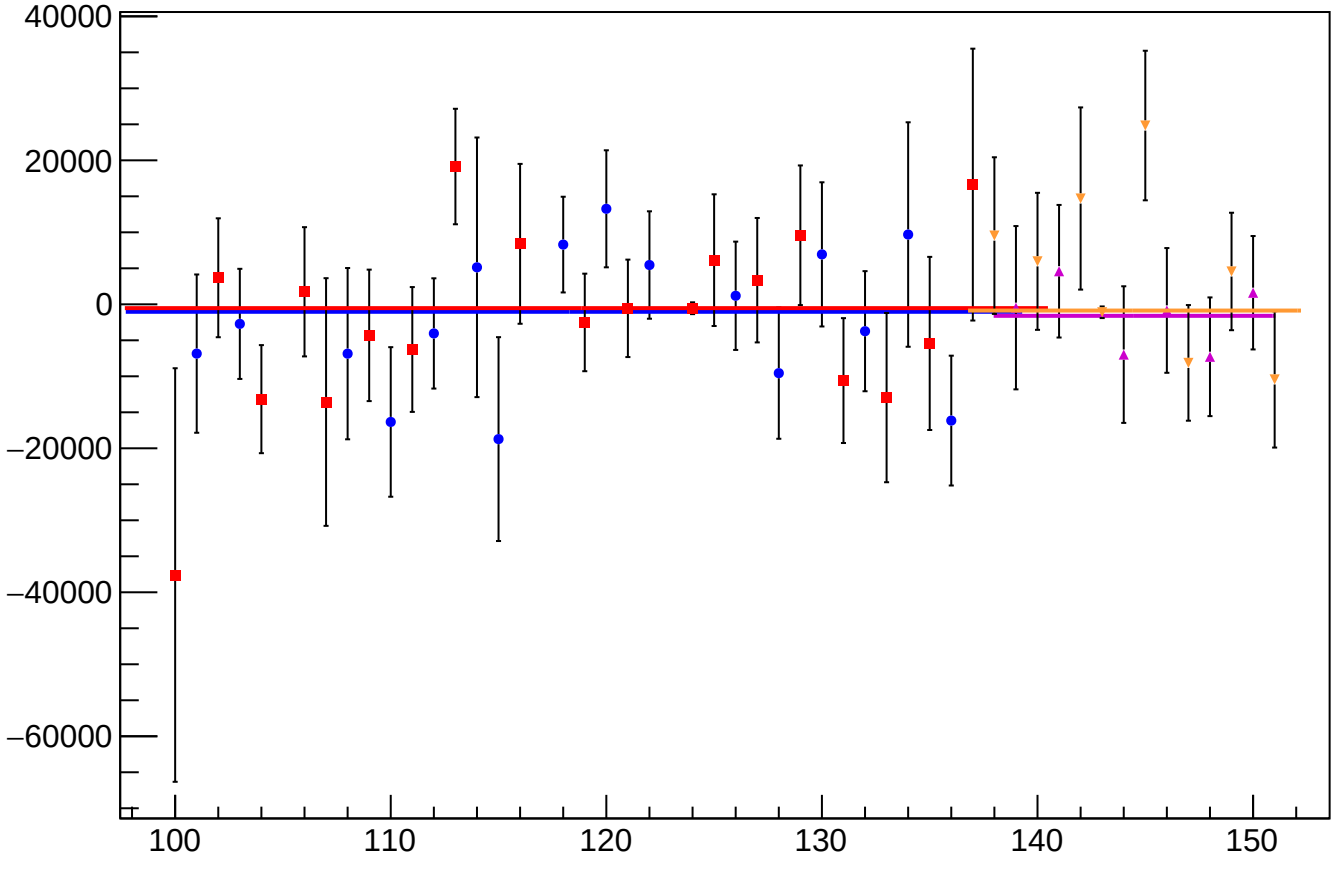
Left In: 2663.176+/-0.822 χ^2/NDF:43249.0/5

+ sign 2262.470+/-0.448 χ^2/NDF: 1286206.4/23

All: 2237.418+/-0.317 χ^2/NDF: 2154145.7/48

- sign 2212.307+/-0.448 χ^2/NDF: 861669.1/24

asym_atl2_cor_correction_mean vs Slug



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -867.809+/-787.640 χ^2/NDF:11.4/7

Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

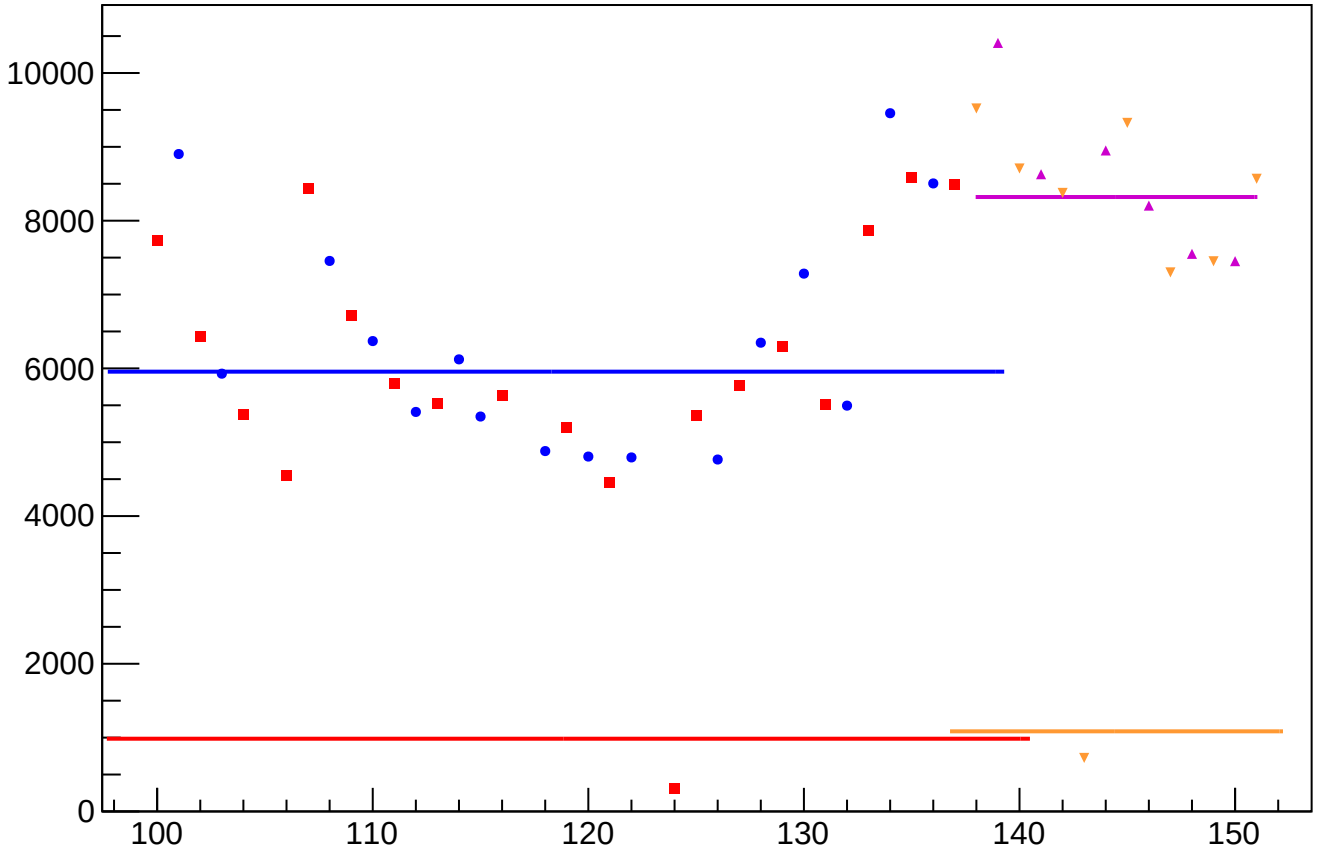
Left In: -1598.994+/-3655.655 χ^2/NDF:1.4/5

+ sign -886.003+/-744.336 χ^2/NDF: 26.8/23

All: -732.403+/-528.855 χ^2/NDF: 46.5/48

- sign -575.814+/-751.543 χ^2/NDF: 19.6/24

asym_atl2_cor_correction_rms vs Slug



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1084.981+/-0.557 χ^2/NDF:8470536.0/7

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

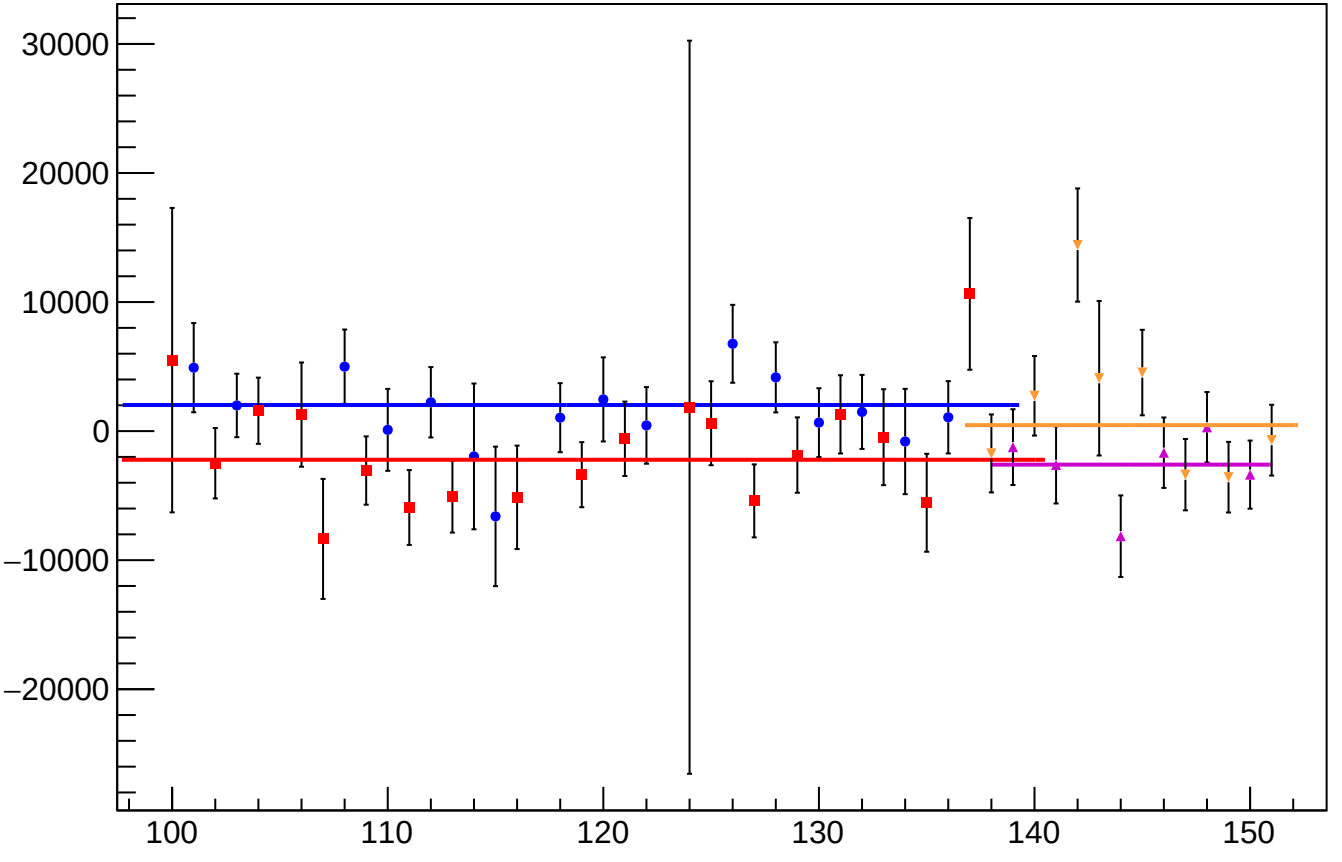
Left In: 8320.685+/-2.585 χ^2/NDF:120881.3/5

+ sign 1605.830+/-0.526 χ^2/NDF: 17338189.6/23

All: 1451.954+/-0.374 χ^2/NDF: 36757489.6/4

- sign 1295.083+/-0.531 χ^2/NDF: 19246688.1/24

eigen_cor_asym_atl2_mean vs Slug



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 464.098+/-1129.933 χ^2/NDF:17.4/7

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

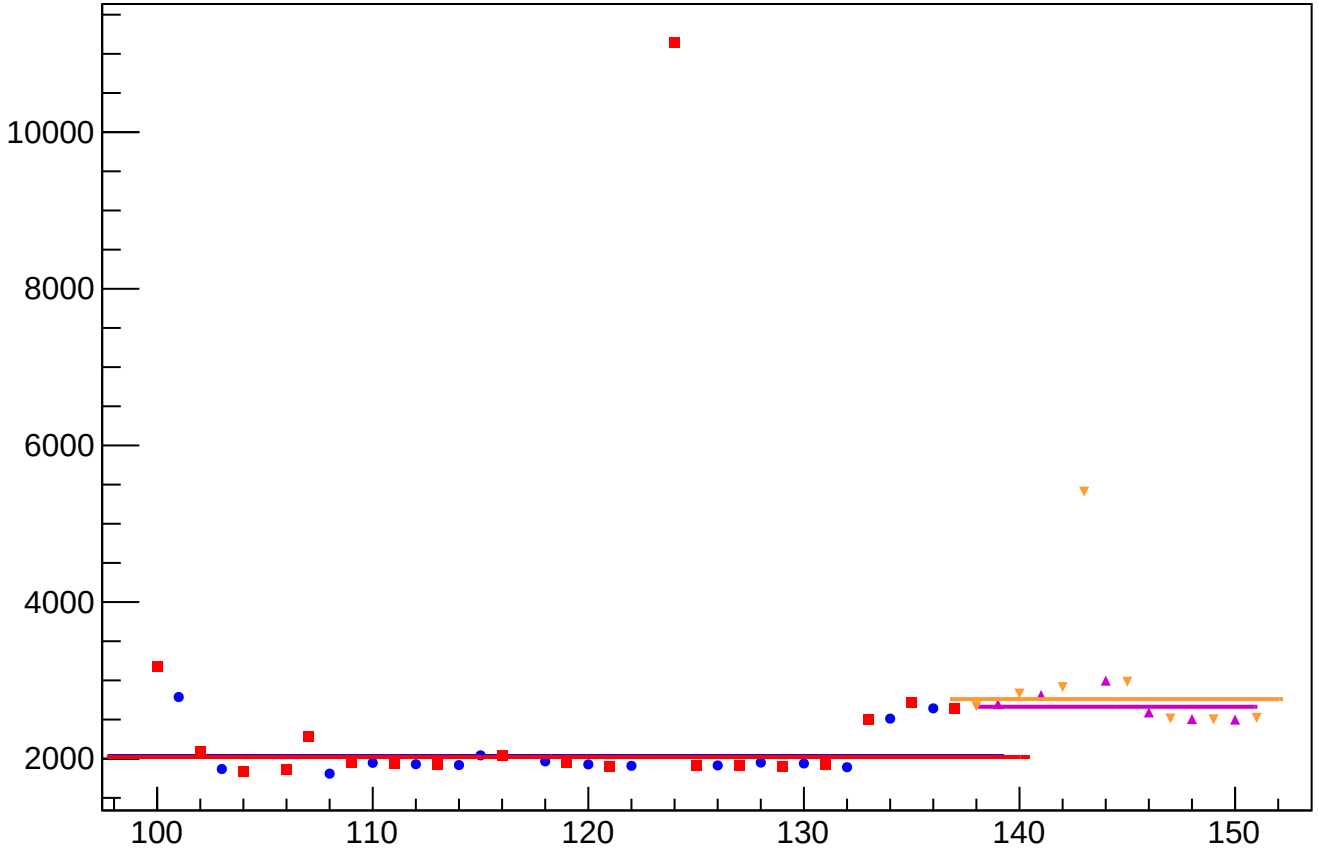
Left In: -2597.382+/-1162.543 χ^2/NDF:4.6/5

+ sign 1533.470+/-633.107 χ^2/NDF: 28.3/23

All: -396.734+/-447.941 χ^2/NDF: 69.7/48

- sign -2331.557+/-633.864 χ^2/NDF: 22.8/24

eigen_cor_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2761.400+/-0.799 χ^2/NDF:454860.4/7

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

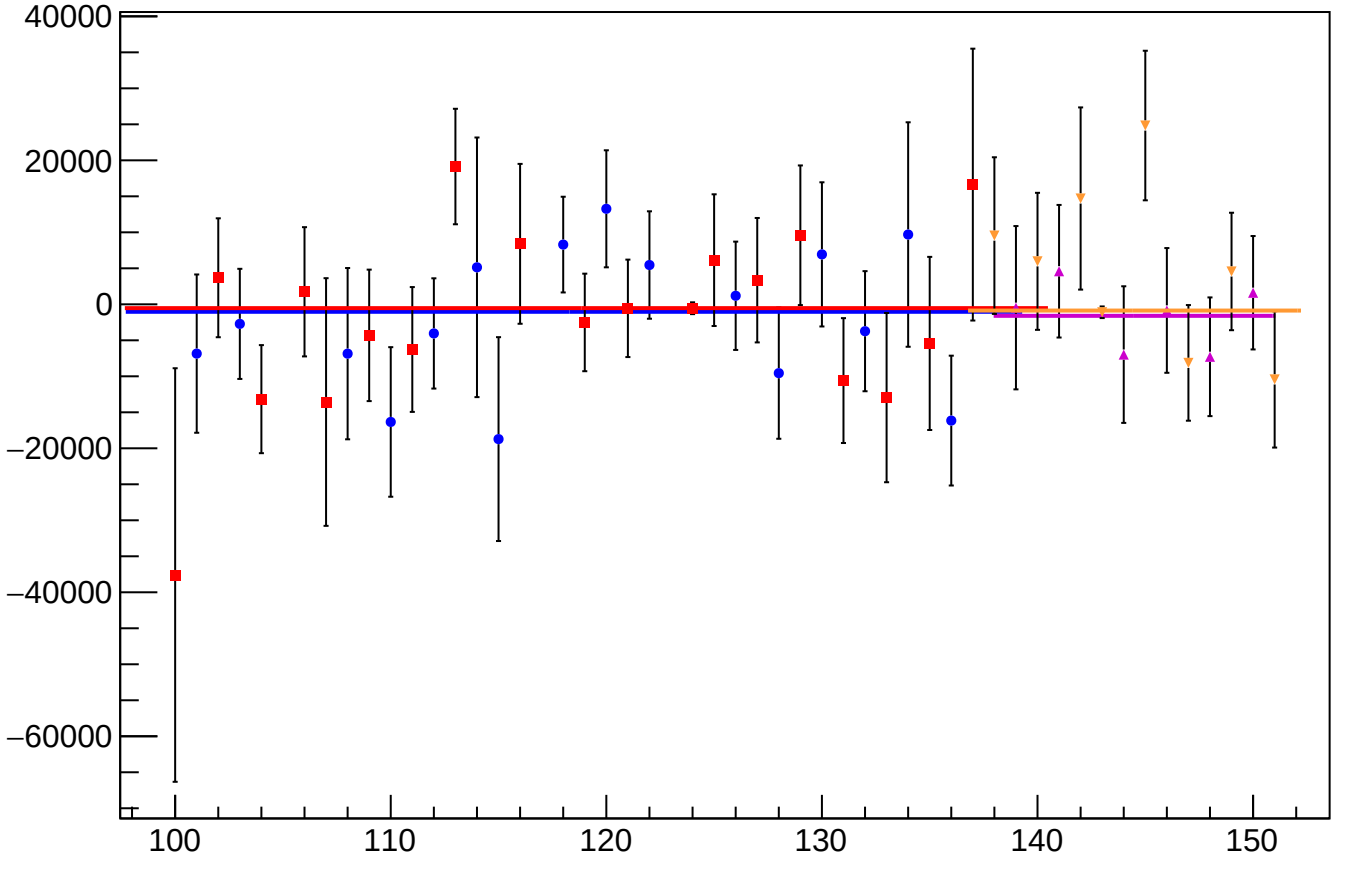
Left In: 2663.176+/-0.822 χ^2/NDF:43249.0/5

+ sign 2262.470+/-0.448 χ^2/NDF: 1286206.4/23

All: 2237.418+/-0.317 χ^2/NDF: 2154145.7/48

- sign 2212.307+/-0.448 χ^2/NDF: 861669.1/24

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -867.809+/-787.640 χ^2/NDF:11.4/7

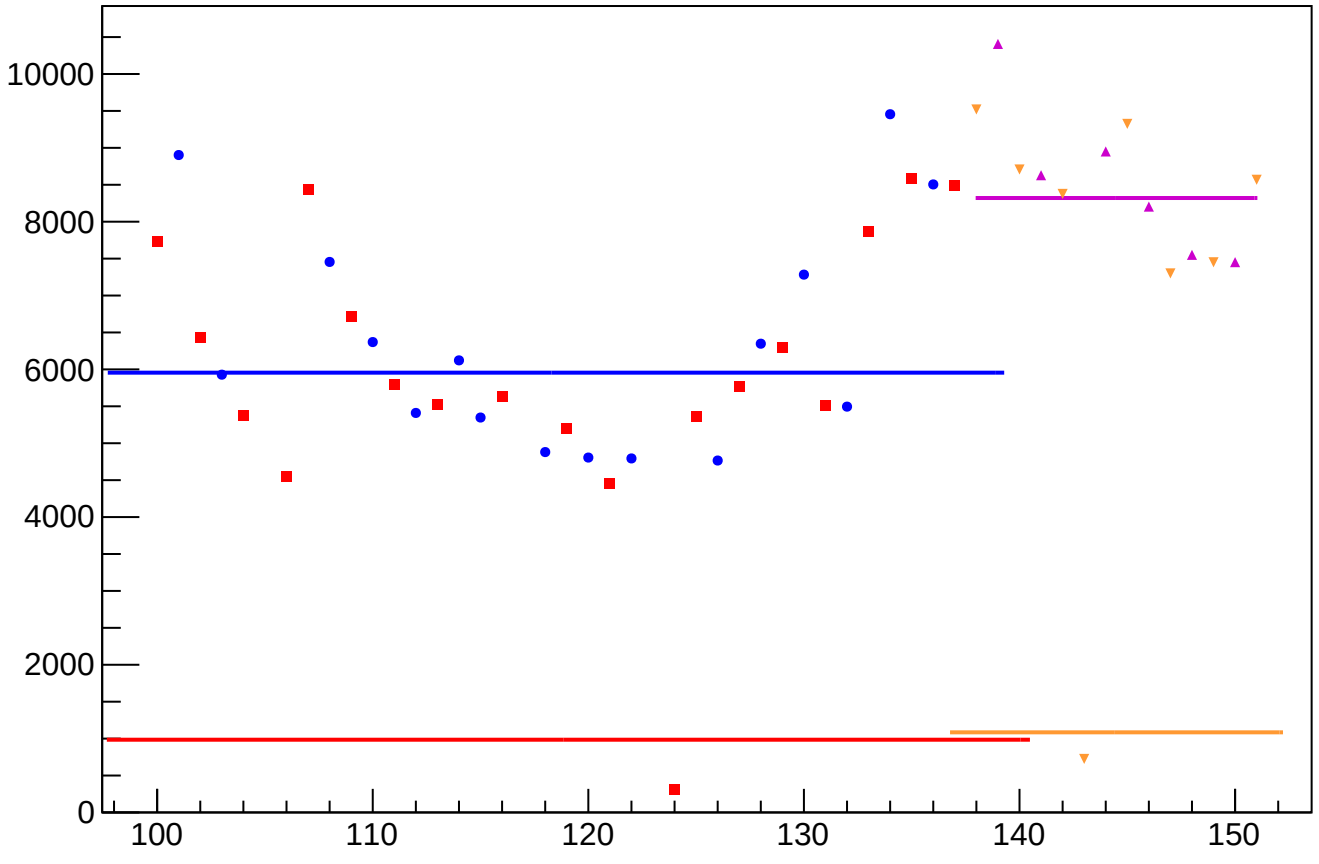
Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

Left In: -1598.994+/-3655.655 χ^2/NDF:1.4/5

+ sign -886.003+/-744.336 χ^2/NDF: 26.8/23

All: -732.403+/-528.855 χ^2/NDF: 46.5/48

- sign -575.814+/-751.543 χ^2/NDF: 19.6/24



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1084.981+/-0.557 χ^2/NDF:8470536.0/7

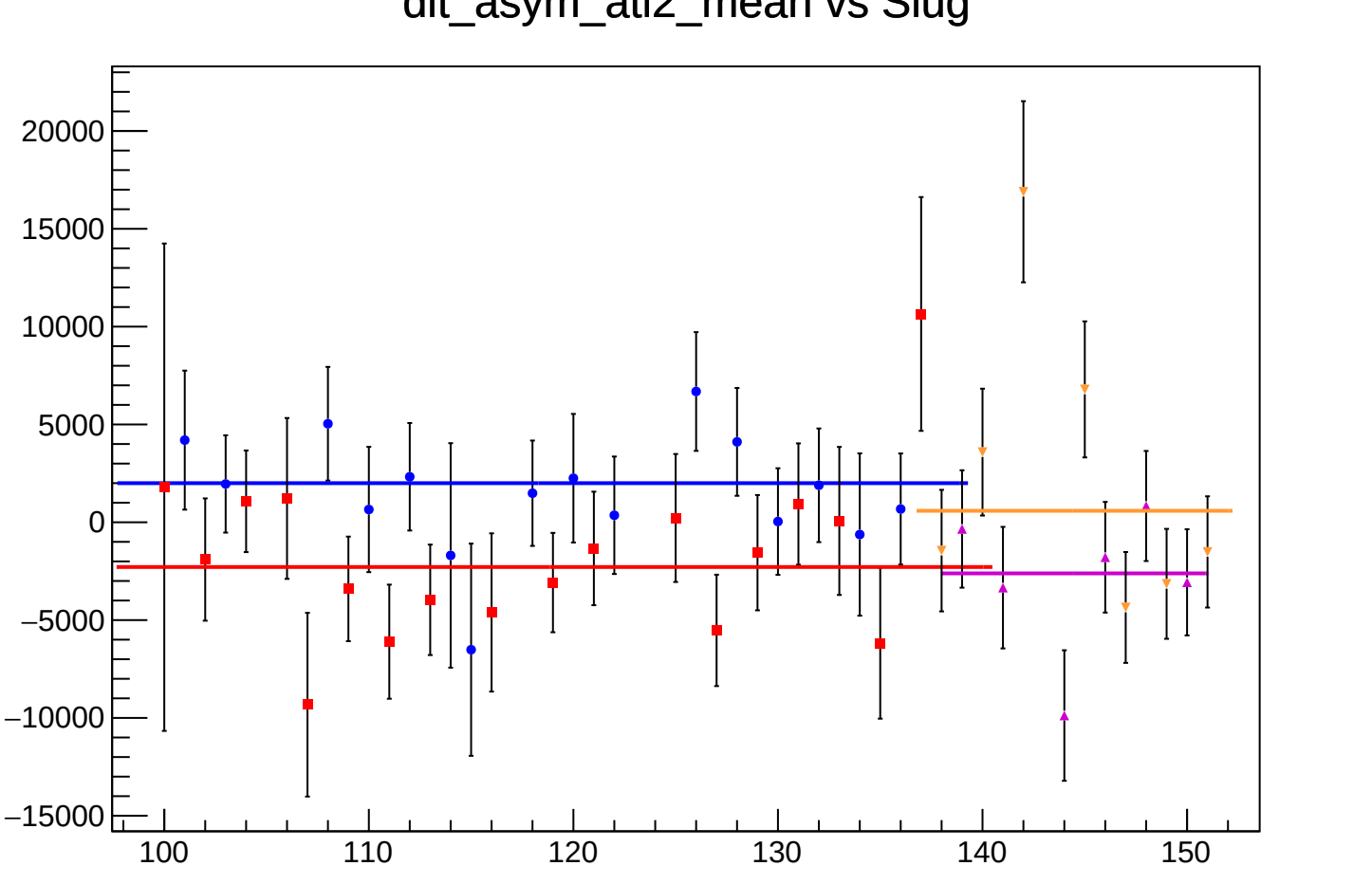
Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 8320.685+/-2.585 χ^2/NDF:120881.3/5

+ sign 1605.830+/-0.526 χ^2/NDF: 17338189.6/23

All: 1451.954+/-0.374 χ^2/NDF: 36757489.6/4

- sign 1295.083+/-0.531 χ^2/NDF: 19246688.1/24



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: 587.136+/-1192.561 χ^2/NDF:22.2/6

Right Out: -2285.899+/-771.299 χ^2/NDF: 16.7/17

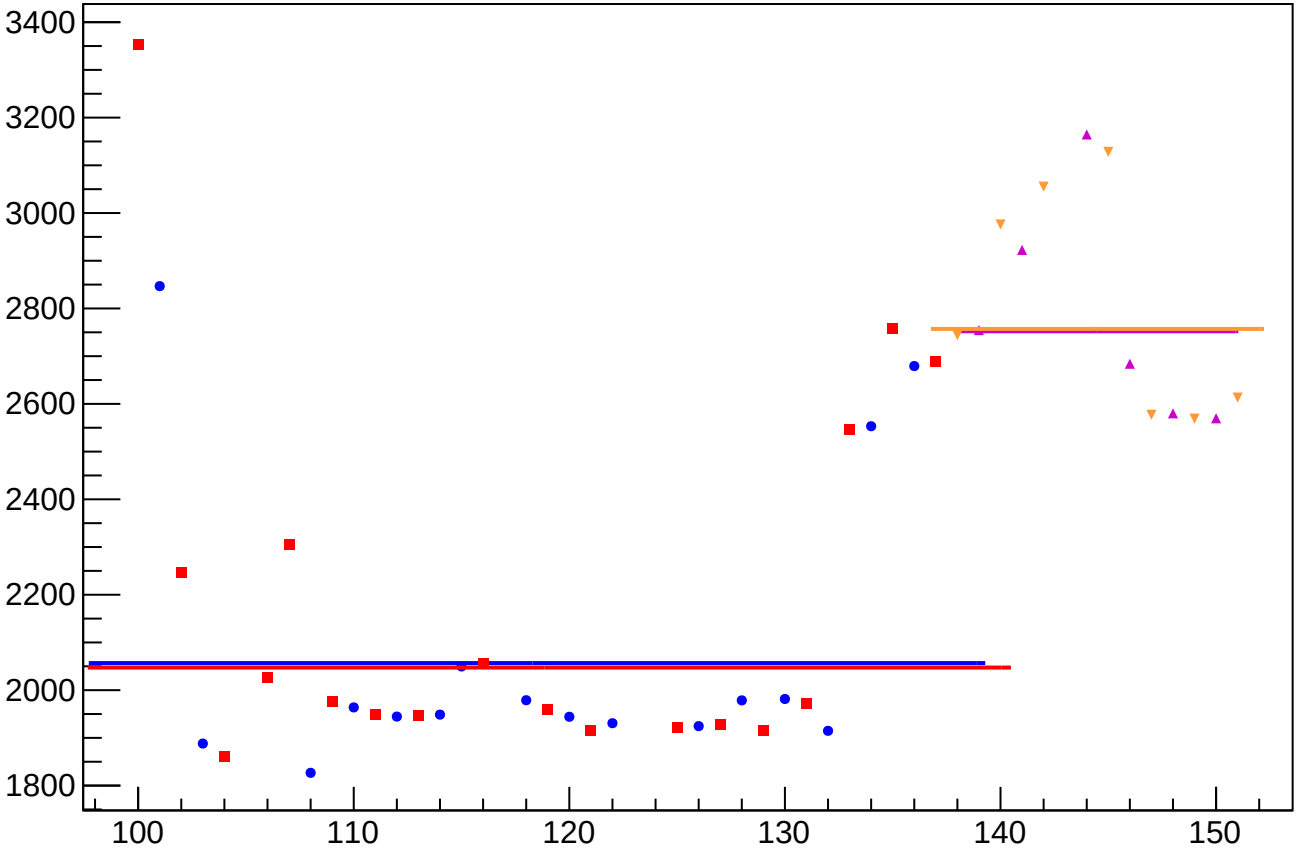
Left In: -2612.181+/-1202.221 χ^2/NDF:7.0/5

+ sign 1581.047+/-648.972 χ^2/NDF: 32.2/22

All: -399.354+/-458.967 χ^2/NDF: 74.5/46

- sign -2381.038+/-649.182 χ^2/NDF: 23.7/23

dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2757.177+/-0.843 χ^2/NDF:62388.6/6

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

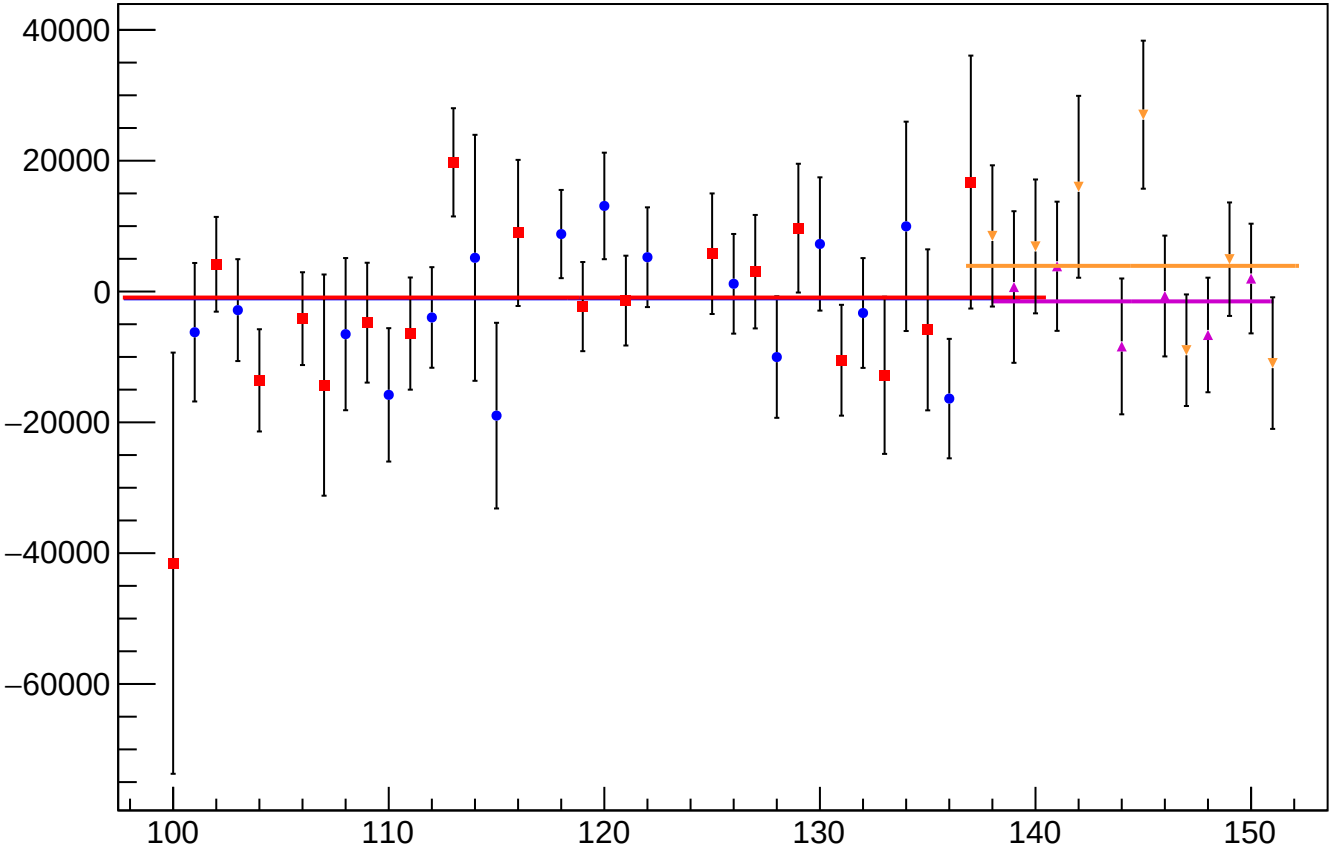
Left In: 2752.195+/-0.850 χ^2/NDF:54287.0/5

+ sign 2264.204+/-0.459 χ^2/NDF: 818385.7/22

All: 2258.331+/-0.324 χ^2/NDF: 1556891.5/46

- sign 2252.468+/-0.459 χ^2/NDF: 738178.5/23

asym_atl2_dit_correction_mean vs Slug



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: 3924.703+/-3834.342 χ^2/NDF:9.7/6

Right Out: -919.663+/-2150.895 χ^2/NDF: 18.4/17

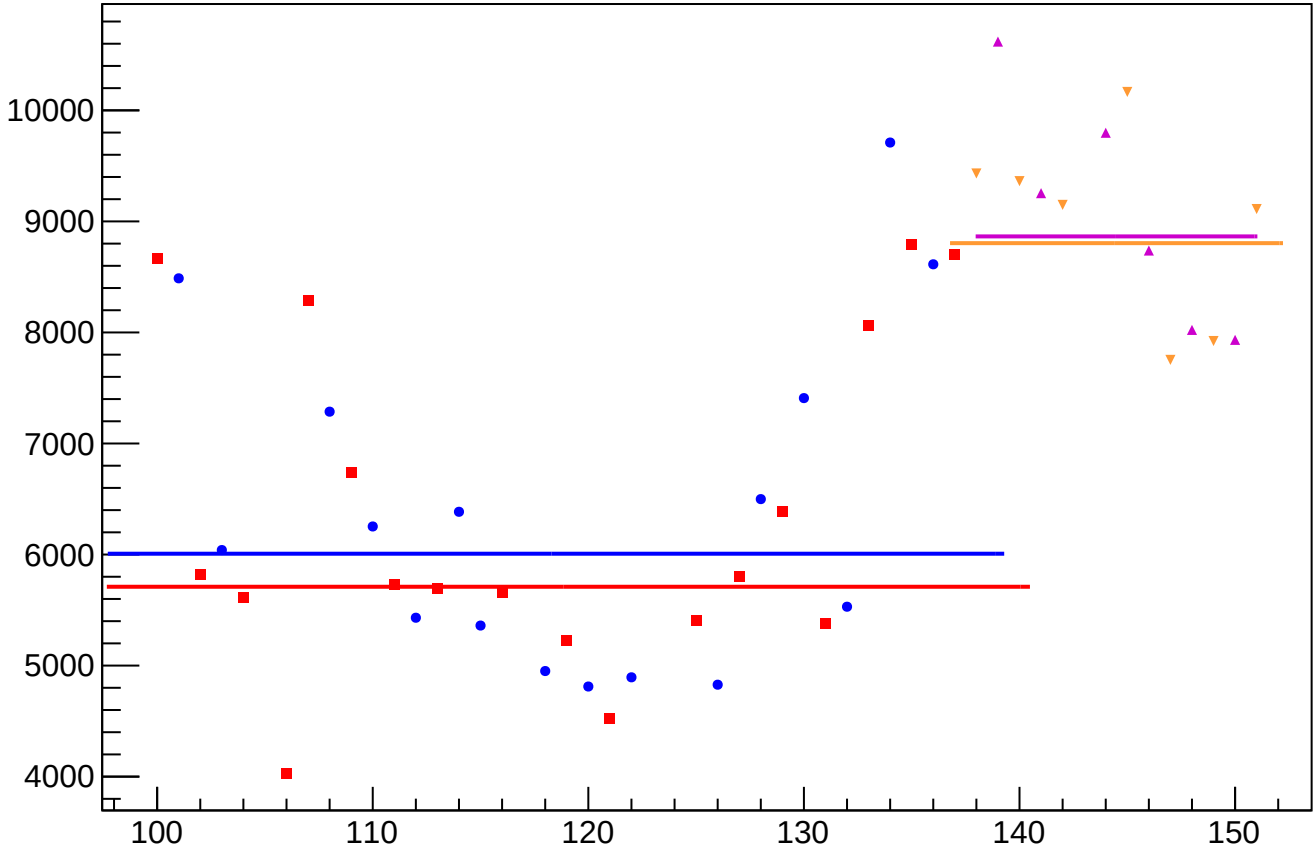
Left In: -1507.276+/-3893.676 χ^2/NDF:1.3/5

+ sign 267.295+/-1968.967 χ^2/NDF: 26.2/22

All: -424.514+/-1360.757 χ^2/NDF: 46.1/46

- sign -1057.051+/-1882.731 χ^2/NDF: 19.7/23

asym_atl2_dit_correction_rms vs Slug



Right In: 6007.425+/-1.623 χ^2/NDF: 653996.7/15

Left Out: 8804.145+/-2.711 χ^2/NDF:95777.5/6

Right Out: 5709.903+/-1.521 χ^2/NDF: 535926.2/17

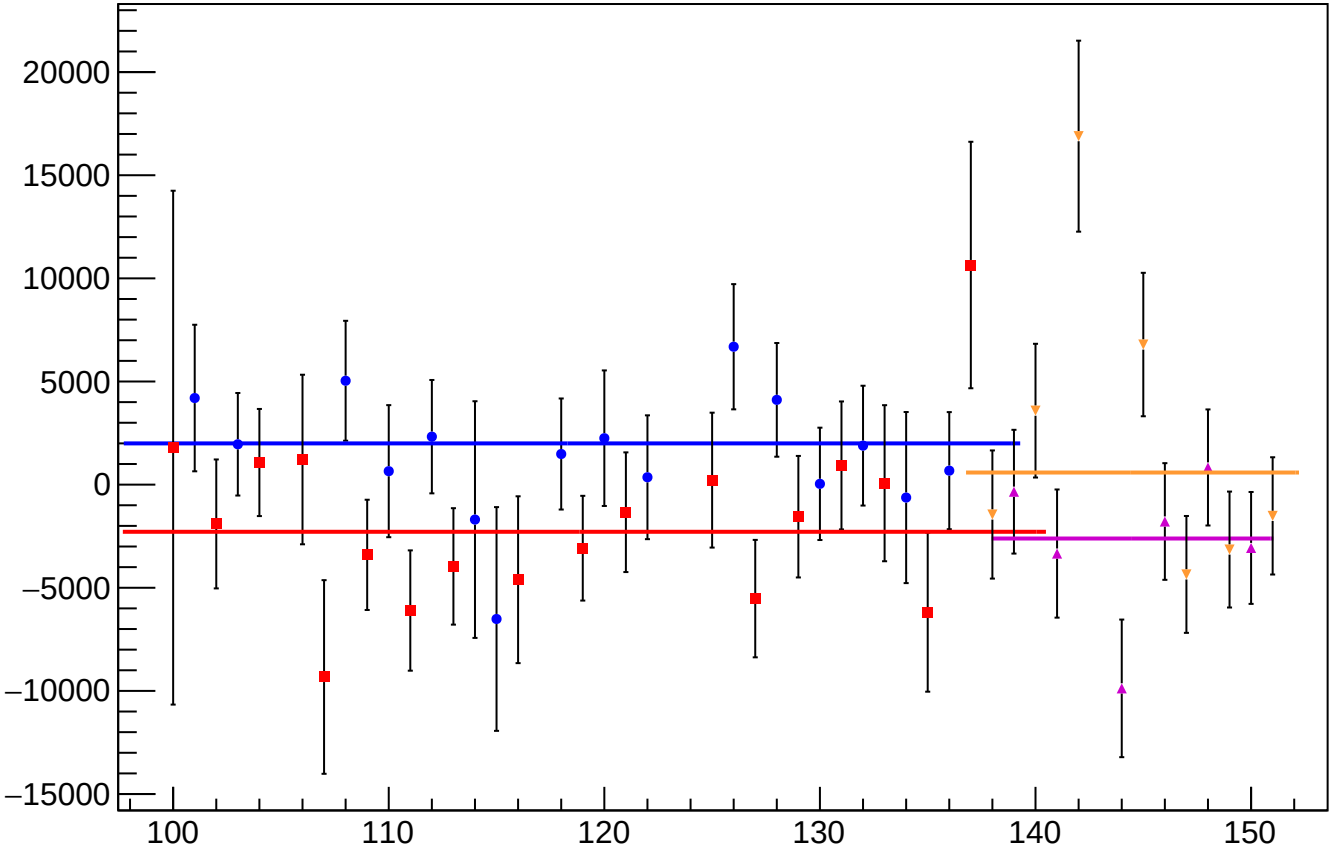
Left In: 8864.923+/-2.753 χ^2/NDF:108646.5/5

+ sign 6744.894+/-1.392 χ^2/NDF: 1533215.8/22

All: 6589.578+/-0.962 χ^2/NDF: 3207739.8/46

- sign 6447.568+/-1.331 χ^2/NDF: 1650700.5/23

eigen_dit_asym_atl2_mean vs Slug



Right In: 1999.218+/-773.538 χ^2/NDF: 9.0/15

Left Out: 587.141+/-1192.561 χ^2/NDF:22.2/6

Right Out: -2285.903+/-771.299 χ^2/NDF: 16.7/17

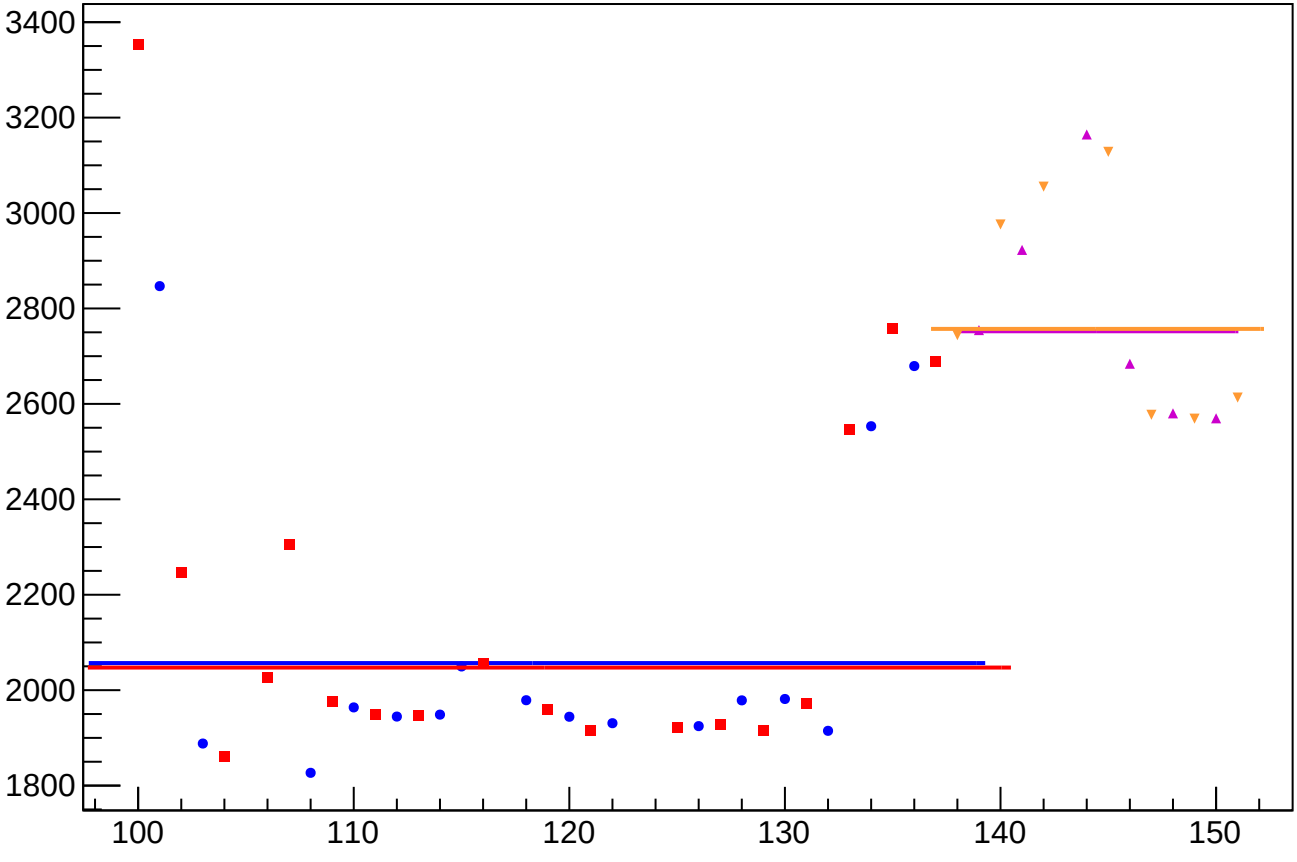
Left In: -2612.184+/-1202.222 χ^2/NDF:7.0/5

+ sign 1581.052+/-648.972 χ^2/NDF: 32.2/22

All: -399.353+/-458.967 χ^2/NDF: 74.5/46

- sign -2381.042+/-649.182 χ^2/NDF: 23.7/23

eigen_dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2757.179+/-0.843 χ^2/NDF:62389.9/6

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

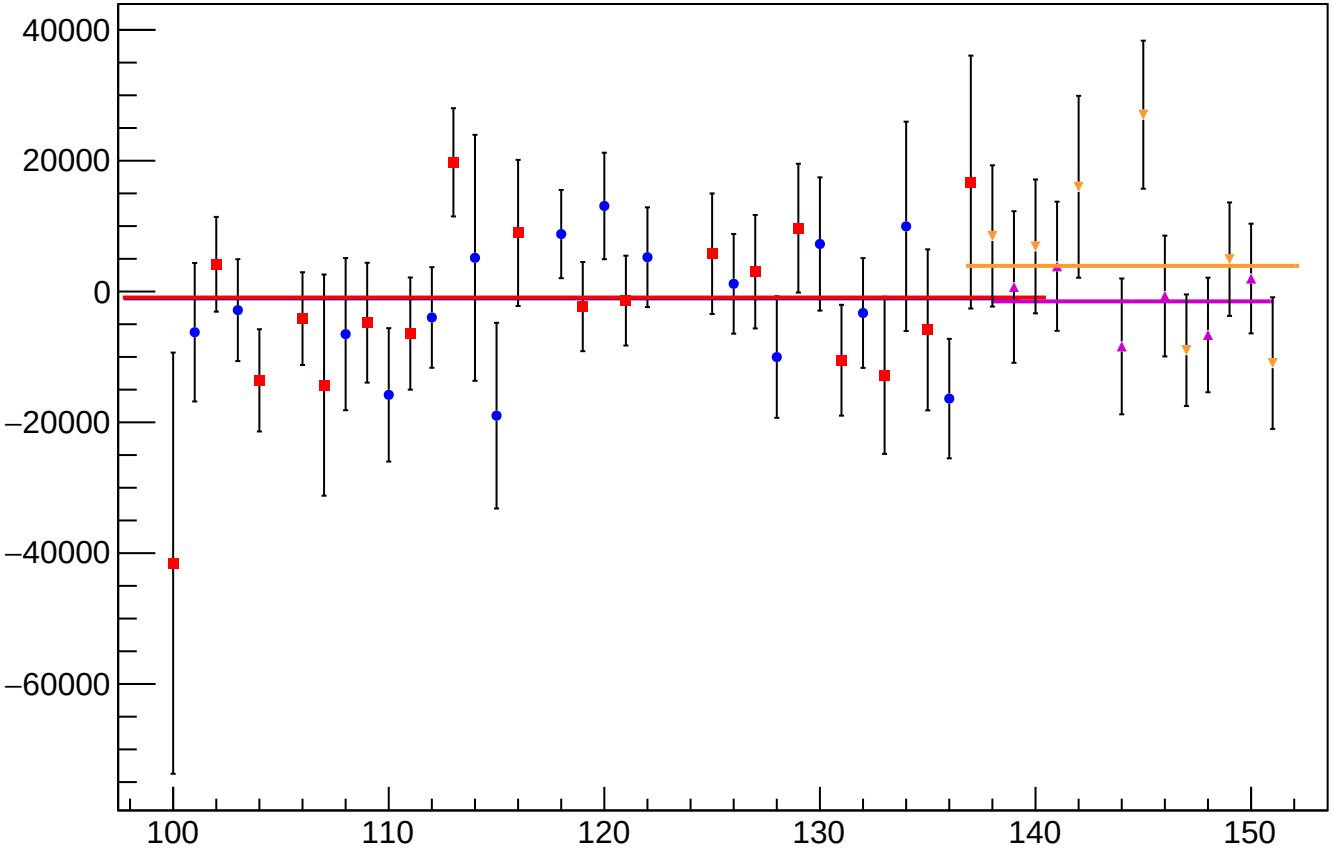
Left In: 2752.197+/-0.850 χ^2/NDF:54287.8/5

+ sign 2264.204+/-0.459 χ^2/NDF: 818388.6/22

All: 2258.332+/-0.324 χ^2/NDF: 1556897.8/46

- sign 2252.468+/-0.459 χ^2/NDF: 738181.9/23

asym_atl2_eigen_dit_correction_mean vs Slug



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: 3924.695+/-3834.347 χ^2/NDF:9.7/6

Right Out: -919.667+/-2150.889 χ^2/NDF: 18.4/17

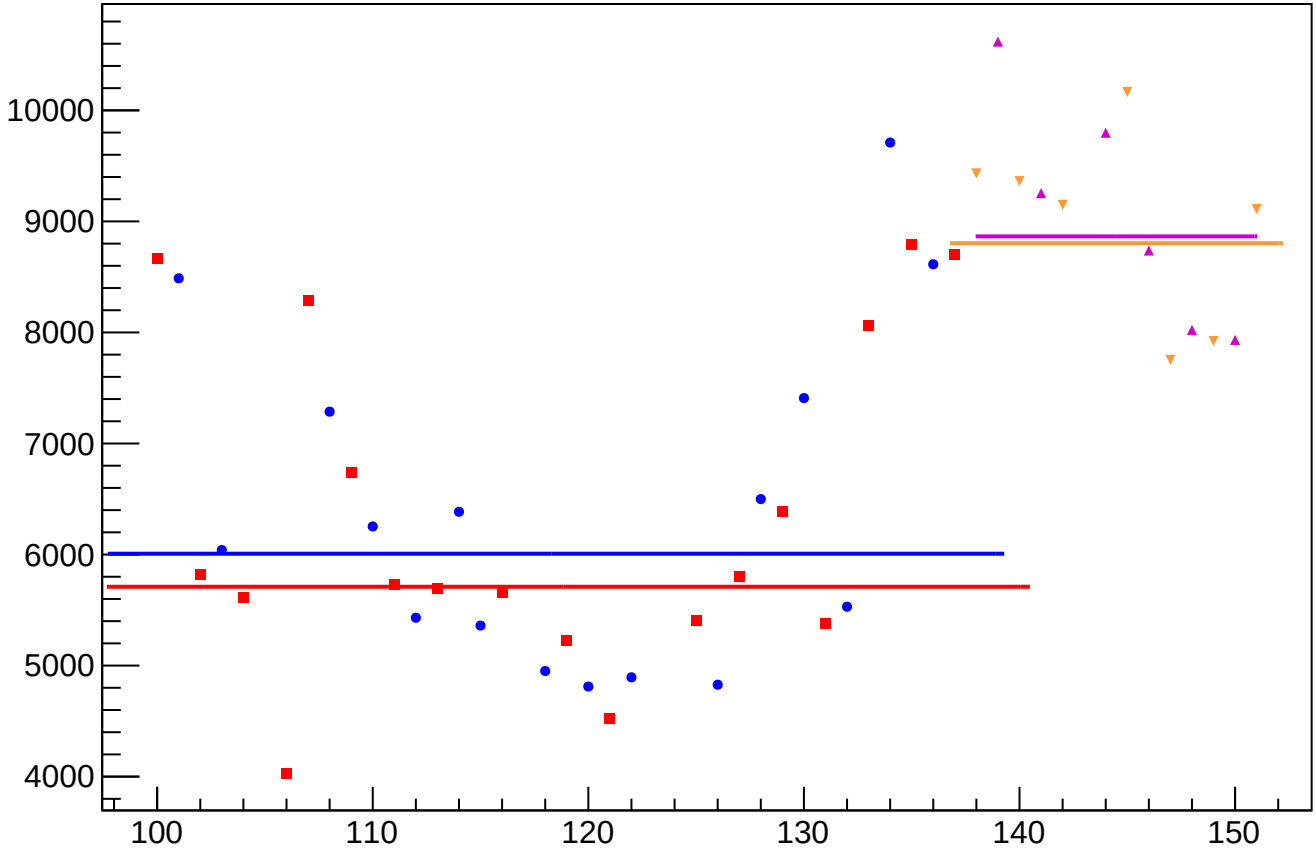
Left In: -1507.278+/-3893.680 χ^2/NDF:1.3/5

+ sign 267.294+/-1968.963 χ^2/NDF: 26.2/22

All: -424.516+/-1360.755 χ^2/NDF: 46.1/46

- sign -1057.054+/-1882.728 χ^2/NDF: 19.7/23

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 8804.156+/-2.711 χ^2/NDF:95779.8/6

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

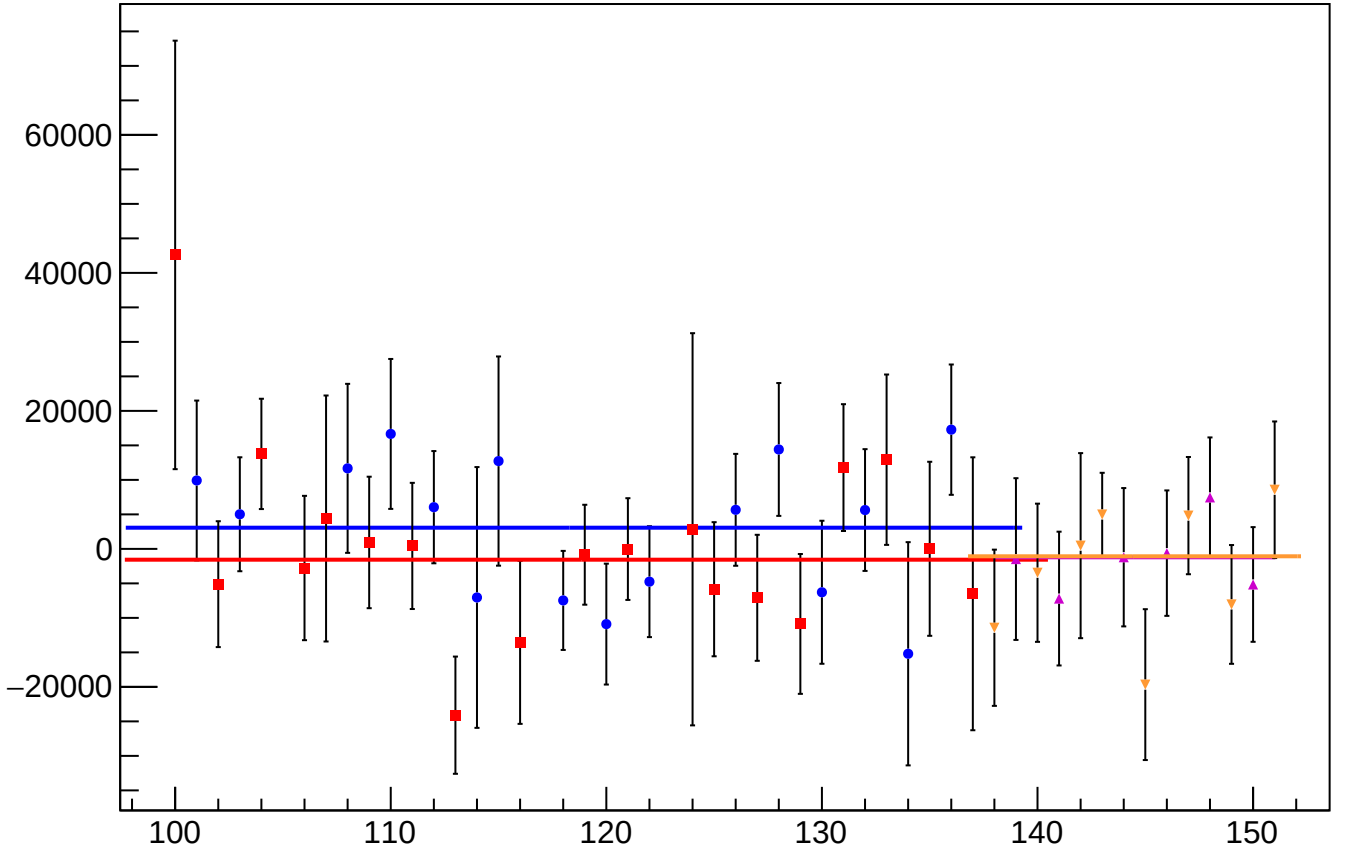
Left In: 8864.933+/-2.753 χ^2/NDF:108648.9/5

+ sign 6744.878+/-1.392 χ^2/NDF: 1533243.1/22

All: 6589.562+/-0.962 χ^2/NDF: 3207789.8/46

- sign 6447.552+/-1.331 χ^2/NDF: 1650723.3/23

asym_atl2_mean vs Slug



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: -1073.218+/-3216.902 χ^2/NDF:6.9/7

Right Out: -1567.088+/-2335.884 χ^2/NDF: 19.2/18

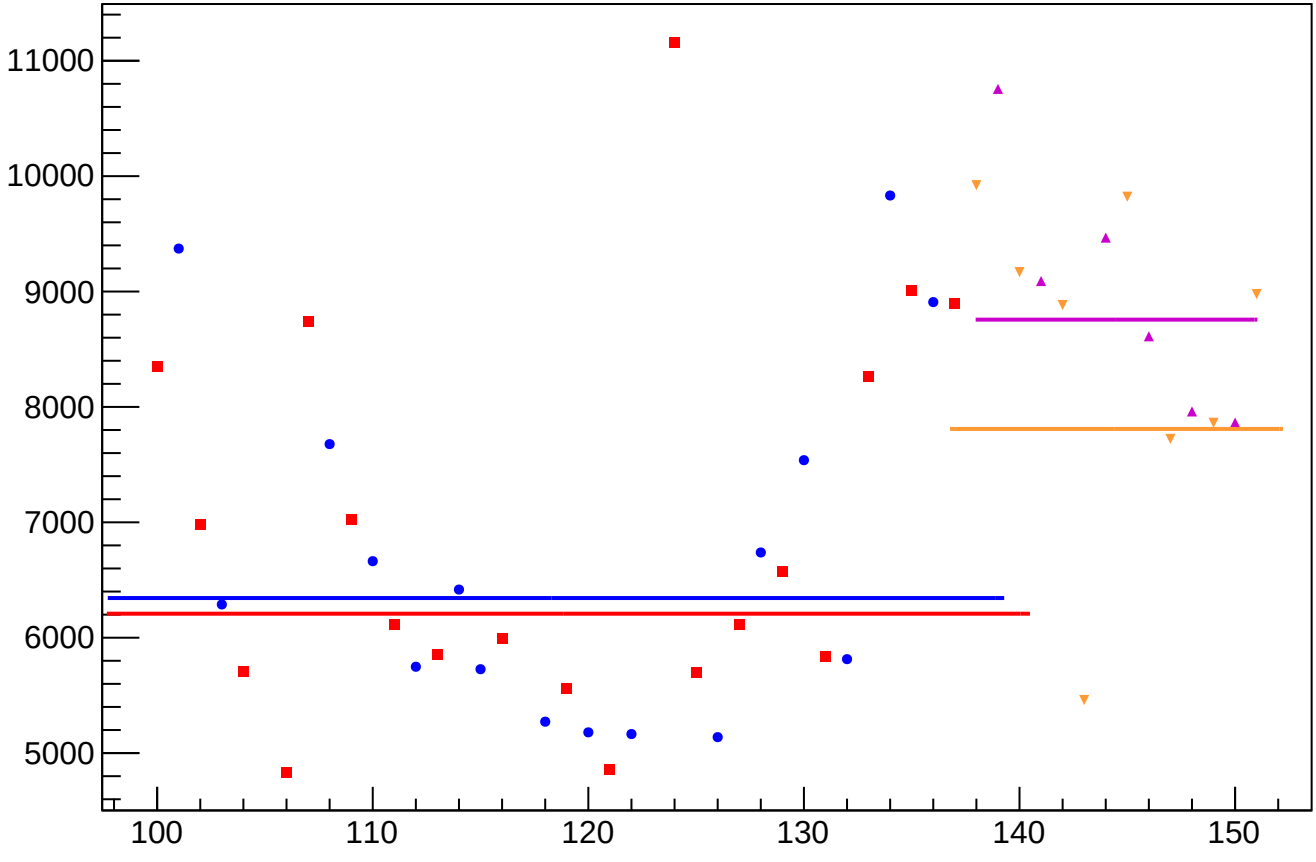
Left In: -1220.774+/-3843.392 χ^2/NDF:1.6/5

+ sign 1572.267+/-1934.252 χ^2/NDF: 22.8/23

All: 97.241+/-1389.084 χ^2/NDF: 44.8/48

- sign -1473.672+/-1996.132 χ^2/NDF: 20.8/24

asym_atl2_rms vs Slug



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 7809.270+/-2.275 χ^2/NDF:517351.2/7

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

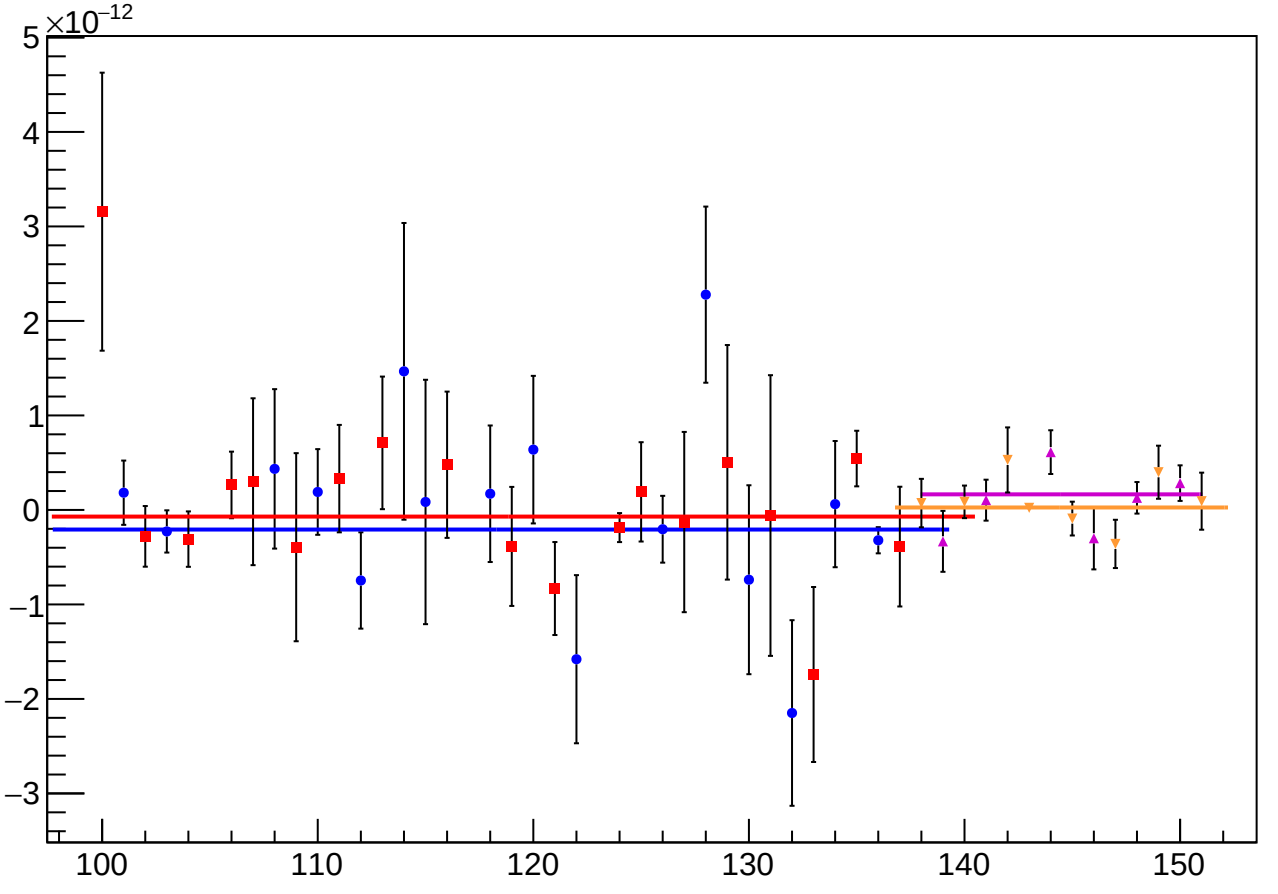
Left In: 8756.577+/-2.718 χ^2/NDF:110978.8/5

+ sign 6873.616+/-1.368 χ^2/NDF: 1403592.5/23

All: 6884.227+/-0.982 χ^2/NDF: 2628690.1/48

- sign 6895.529+/-1.411 χ^2/NDF: 1224973.3/24

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:6.8/7

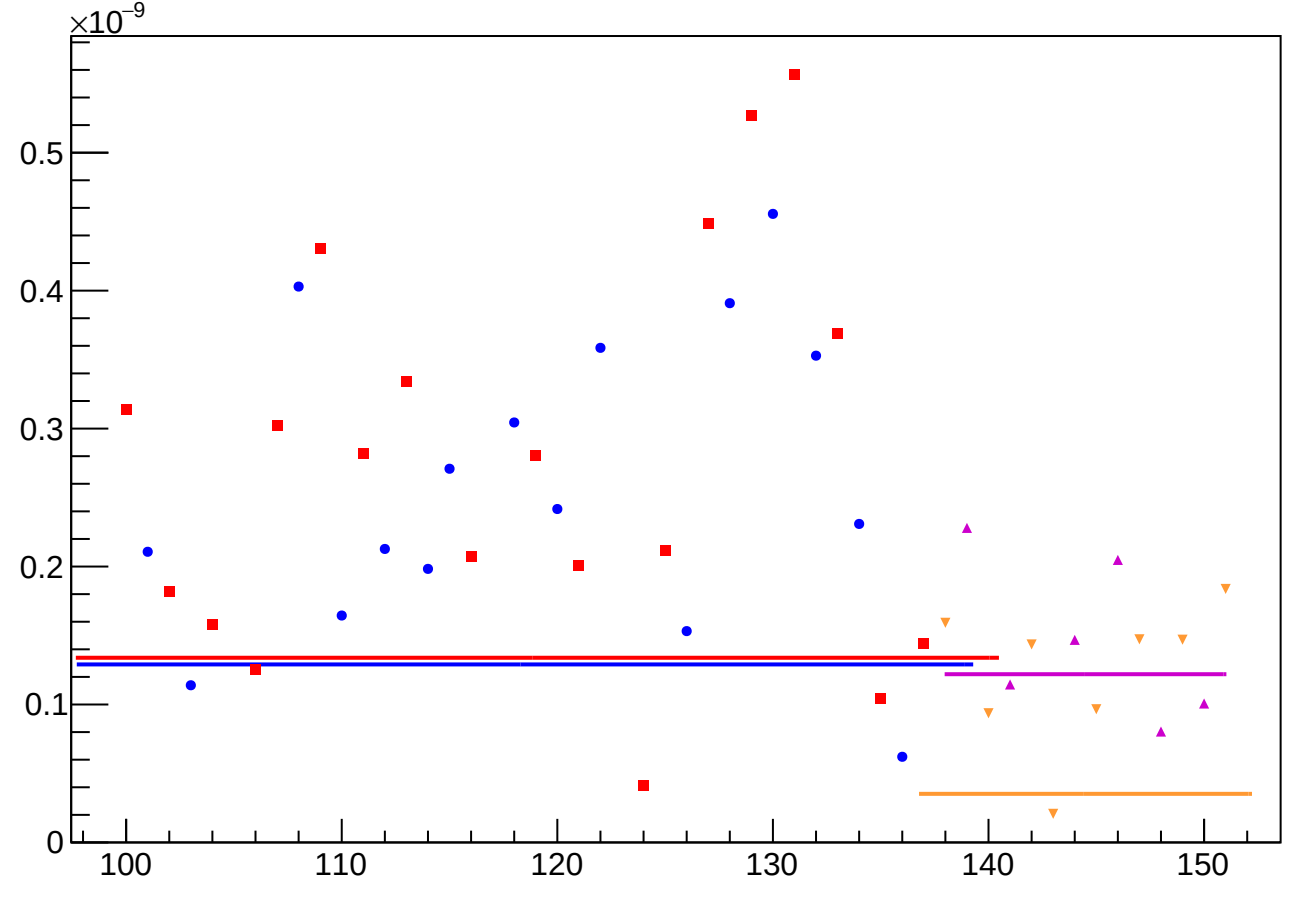
Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: 0.000+/-0.000 χ^2/NDF:8.6/5

+ sign 0.000+/-0.000 χ^2/NDF: 33.1/23

All: 0.000+/-0.000 χ^2/NDF: 66.3/48

- sign 0.000+/-0.000 χ^2/NDF: 32.7/24



Right In: 0.000+/-0.000 χ^2/NDF: 1720321.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2647846.7/7

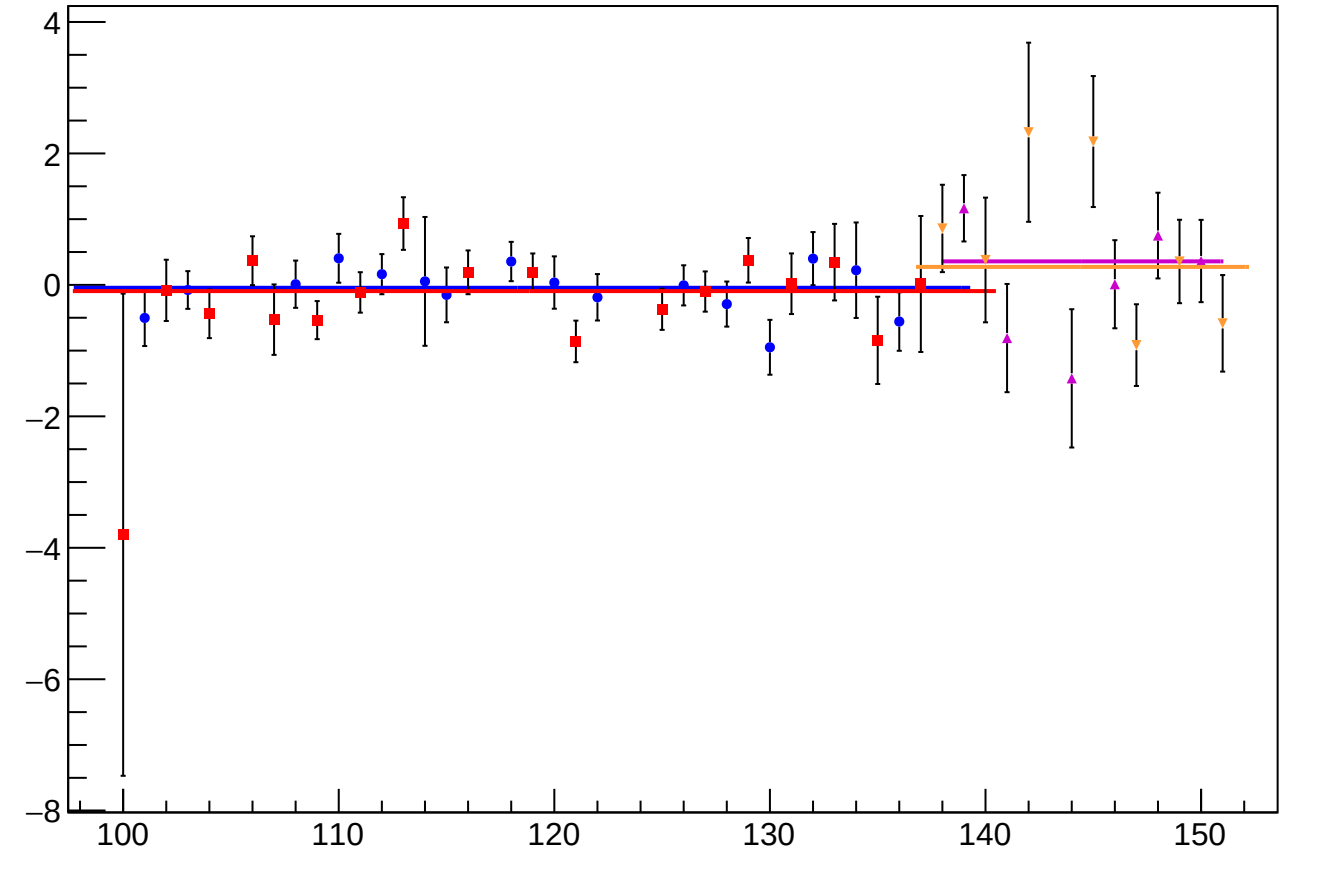
Right Out: 0.000+/-0.000 χ^2/NDF: 2304489.5/18

Left In: 0.000+/-0.000 χ^2/NDF:517657.0/5

+ sign 0.000+/-0.000 χ^2/NDF: 6099266.5/23

All: 0.000+/-0.000 χ^2/NDF: 11500586.4/48

- sign 0.000+/-0.000 χ^2/NDF: 2838583.2/24



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.274+/-0.291 χ^2/NDF:11.8/6

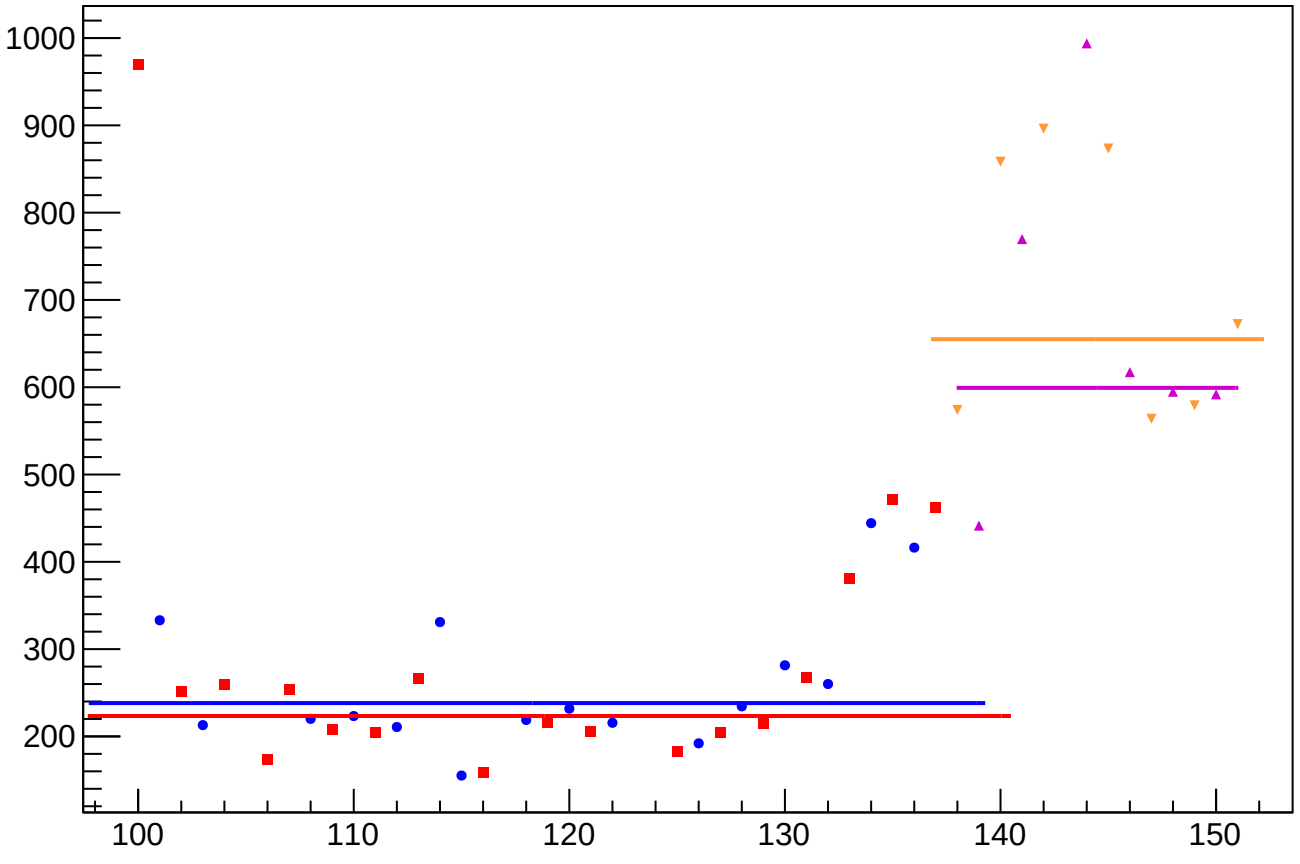
Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: 0.358+/-0.273 χ^2/NDF:8.1/5

+ sign -0.014+/-0.089 χ^2/NDF: 25.9/22

All: -0.033+/-0.062 χ^2/NDF: 61.8/46

- sign -0.050+/-0.086 χ^2/NDF: 35.8/23



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 655.029+/-0.205 χ^2/NDF:352992.6/6

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

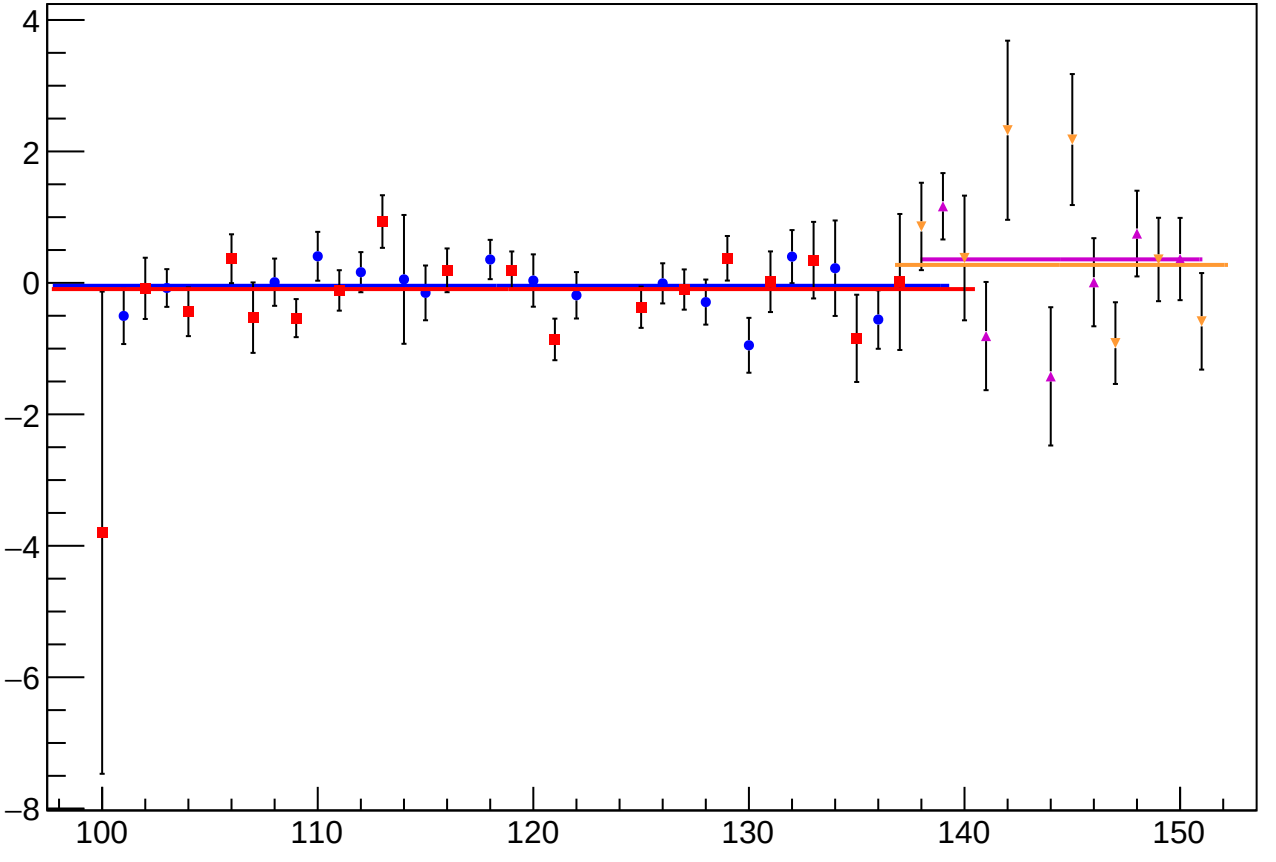
Left In: 599.301+/-0.193 χ^2/NDF:564388.6/5

+ sign 277.509+/-0.063 χ^2/NDF: 4888458.1/22

All: 268.533+/-0.044 χ^2/NDF: 9777348.0/46

- sign 260.298+/-0.060 χ^2/NDF: 4850114.1/23

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.274+/-0.291 χ^2/NDF:11.8/6

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

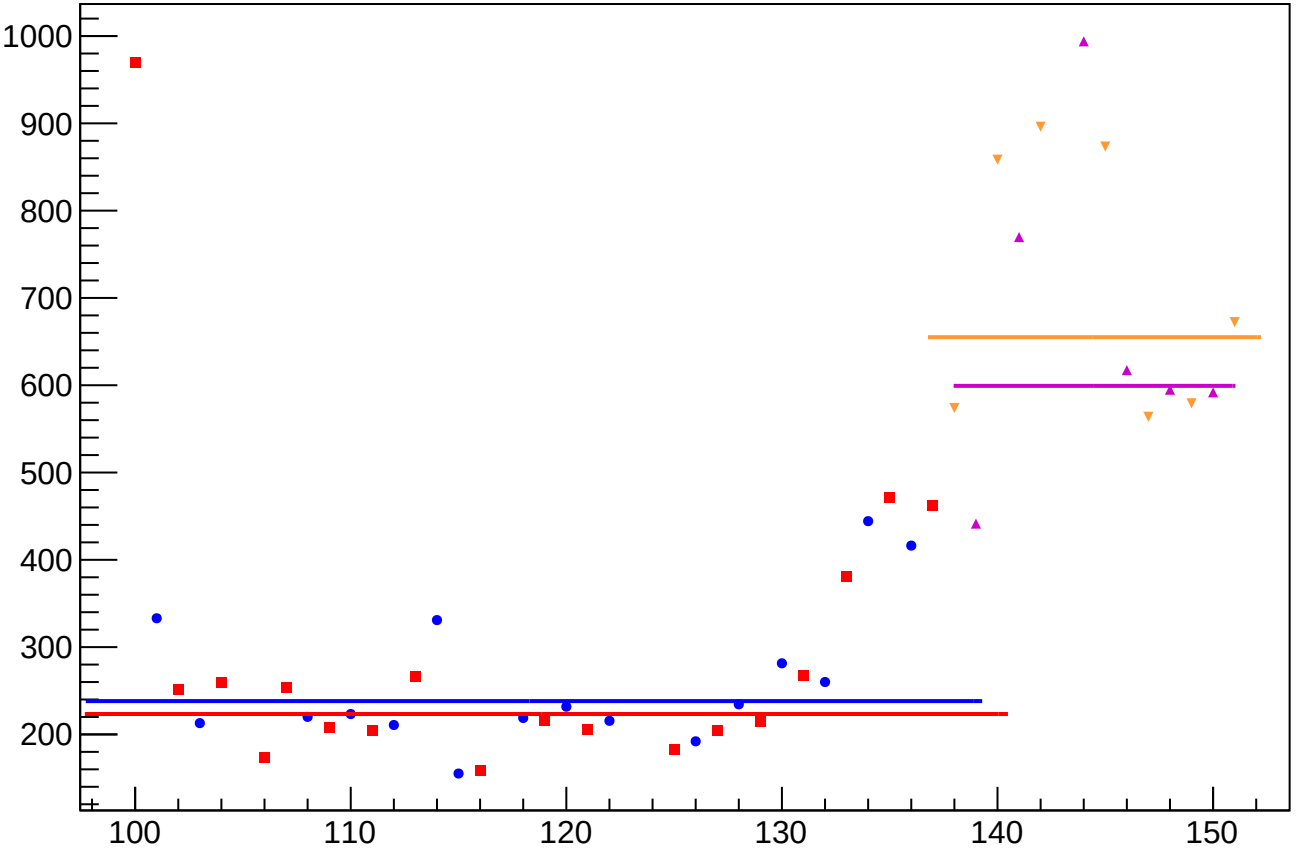
Left In: 0.358+/-0.273 χ^2/NDF:8.1/5

+ sign -0.014+/-0.089 χ^2/NDF: 25.9/22

All: -0.033+/-0.062 χ^2/NDF: 61.8/46

- sign -0.050+/-0.086 χ^2/NDF: 35.8/23

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 655.029+/-0.205 χ^2/NDF:352992.6/6

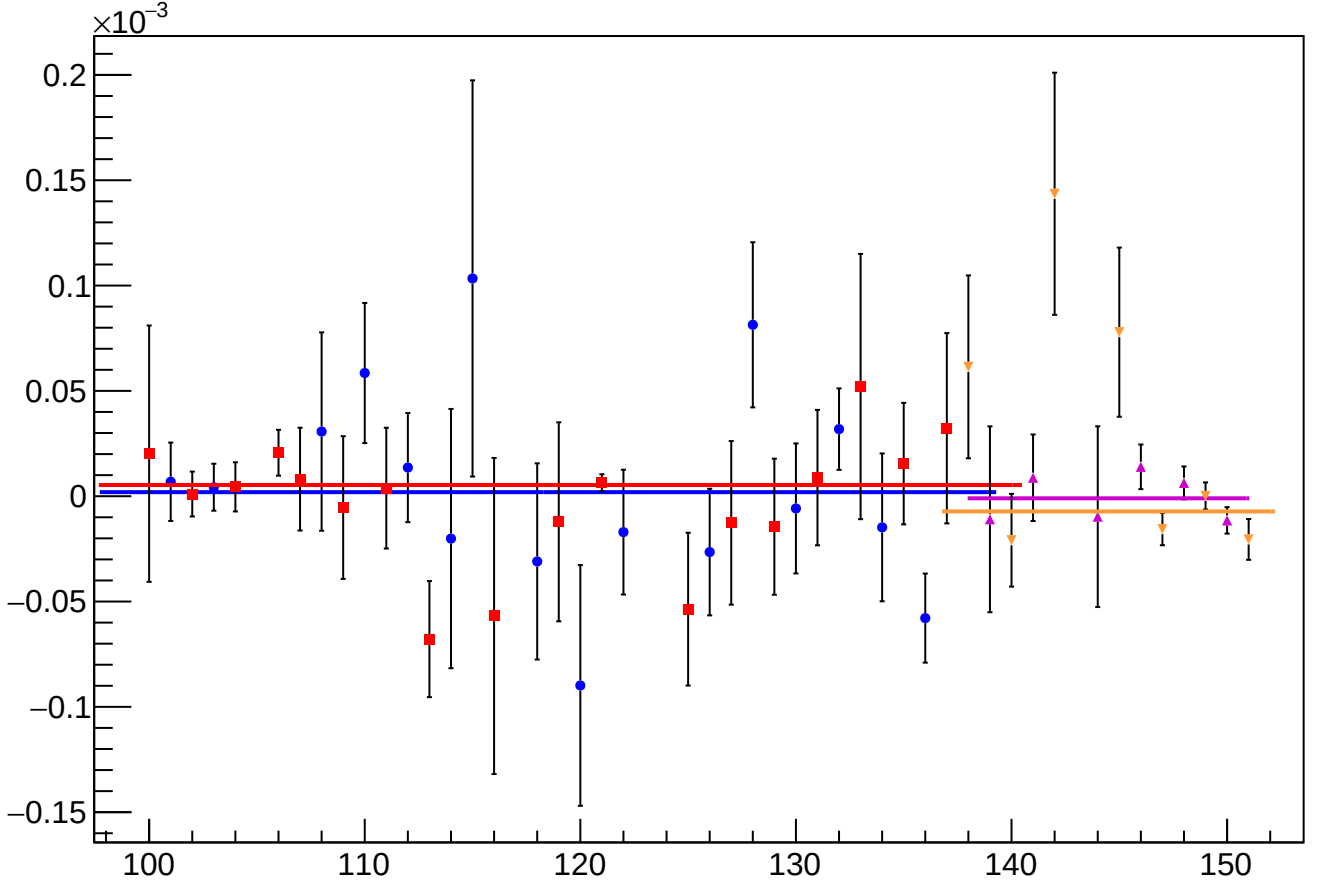
Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 599.301+/-0.193 χ^2/NDF:564388.6/5

+ sign 277.509+/-0.063 χ^2/NDF: 4888458.1/22

All: 268.533+/-0.044 χ^2/NDF: 9777348.0/46

- sign 260.298+/-0.060 χ^2/NDF: 4850114.1/23



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.7/6

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

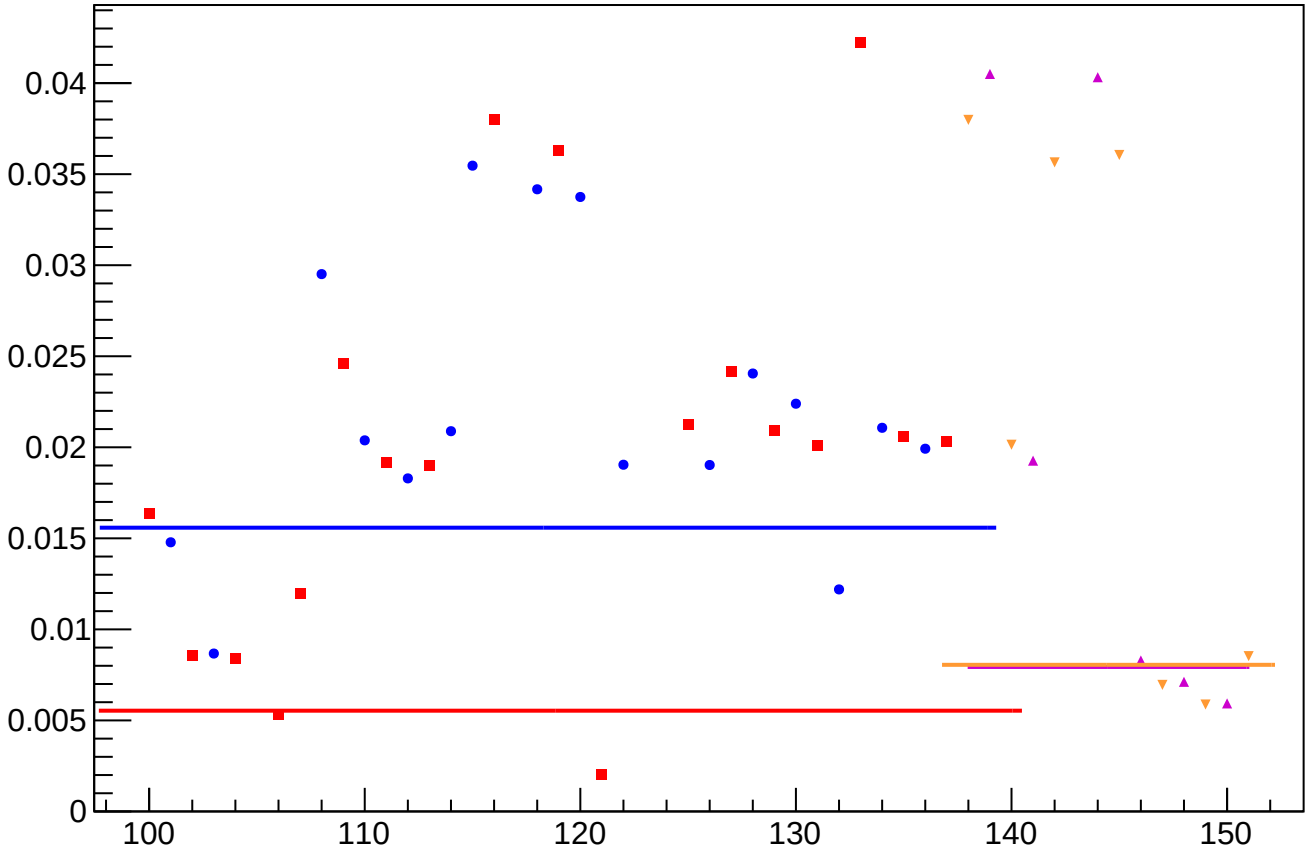
Left In: -0.000+/-0.000 χ^2/NDF:6.0/5

+ sign -0.000+/-0.000 χ^2/NDF: 44.1/22

All: 0.000+/-0.000 χ^2/NDF: 69.0/46

- sign 0.000+/-0.000 χ^2/NDF: 21.9/23

asym_atl2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:3262602.1/6

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

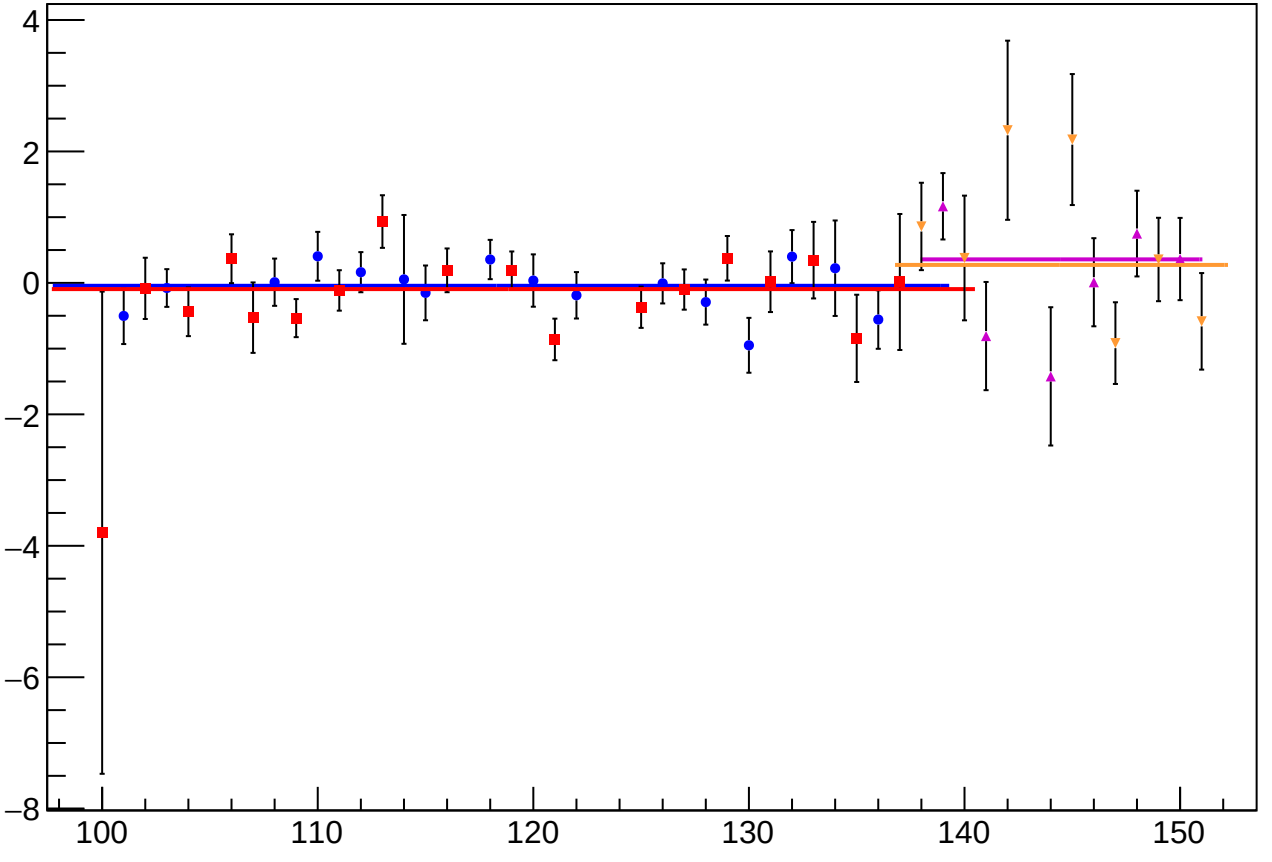
Left In: 0.008+/-0.000 χ^2/NDF:3067154.2/5

+ sign 0.010+/-0.000 χ^2/NDF: 7270248.4/22

All: 0.008+/-0.000 χ^2/NDF: 20352553.7/46

- sign 0.006+/-0.000 χ^2/NDF: 11424480.4/23

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.274+/-0.291 χ^2/NDF:11.8/6

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

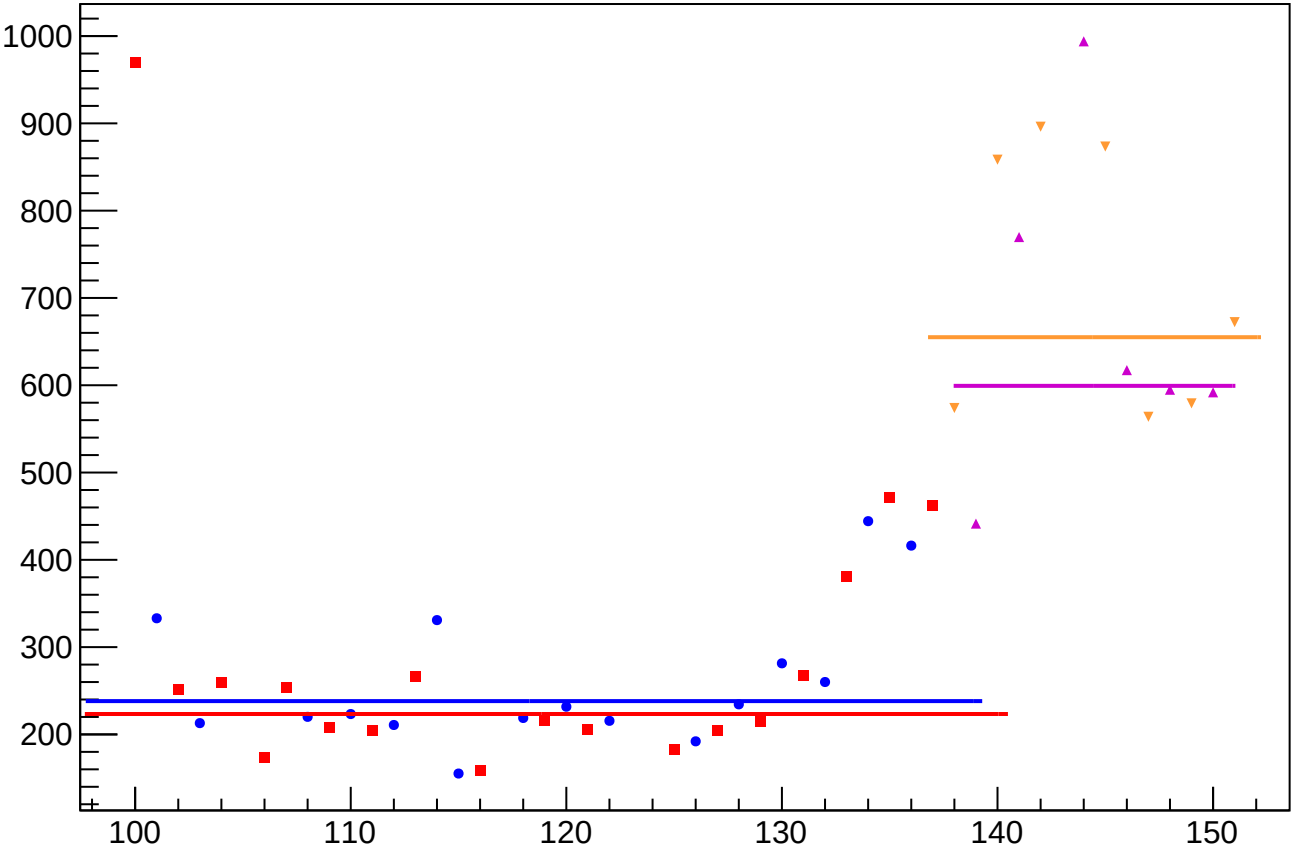
Left In: 0.358+/-0.273 χ^2/NDF:8.1/5

+ sign -0.014+/-0.089 χ^2/NDF: 25.9/22

All: -0.033+/-0.062 χ^2/NDF: 61.8/46

- sign -0.050+/-0.086 χ^2/NDF: 35.8/23

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 655.033+/-0.205 χ^2/NDF:353021.6/6

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

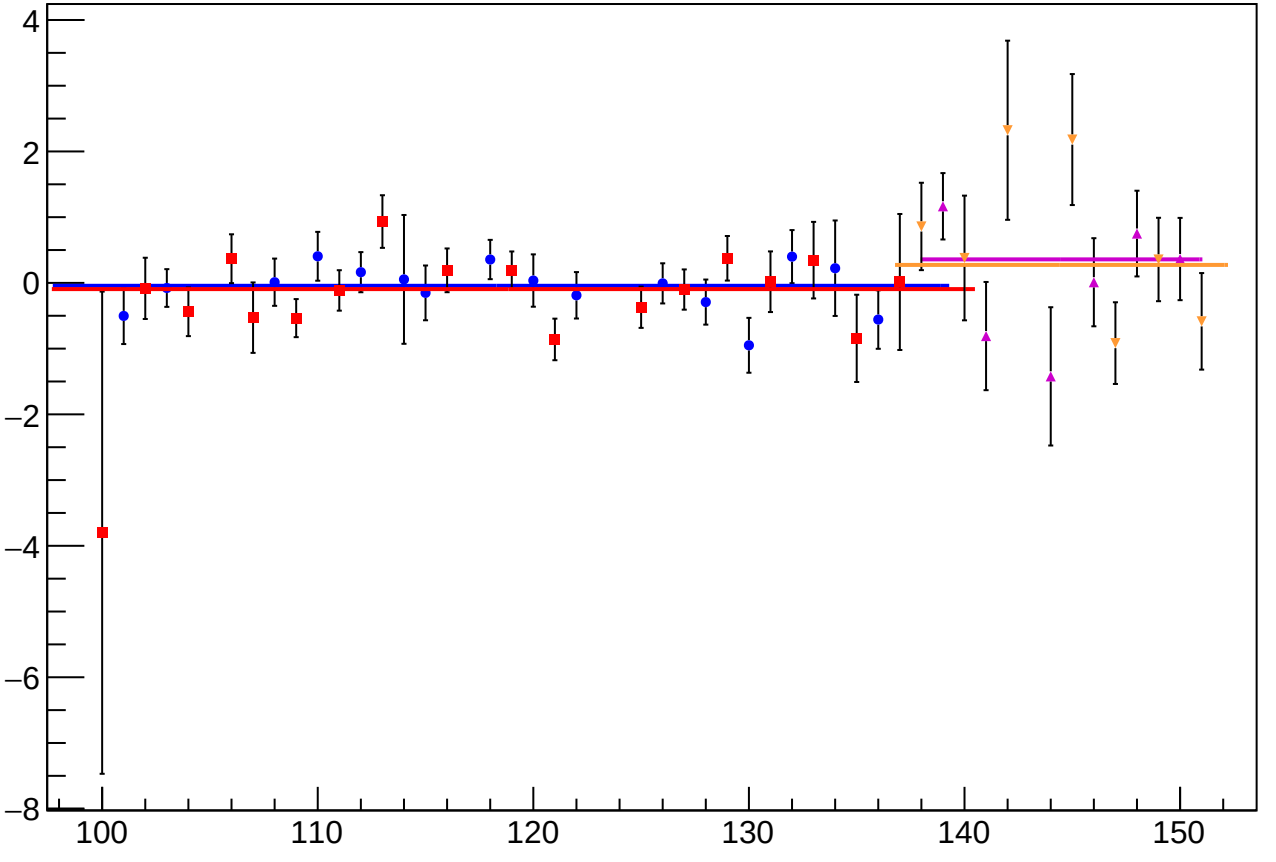
Left In: 599.309+/-0.193 χ^2/NDF:564367.9/5

+ sign 277.509+/-0.063 χ^2/NDF: 4888460.7/22

All: 268.534+/-0.044 χ^2/NDF: 9777304.0/46

- sign 260.300+/-0.060 χ^2/NDF: 4850072.0/23

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.274+/-0.291 χ^2/NDF:11.8/6

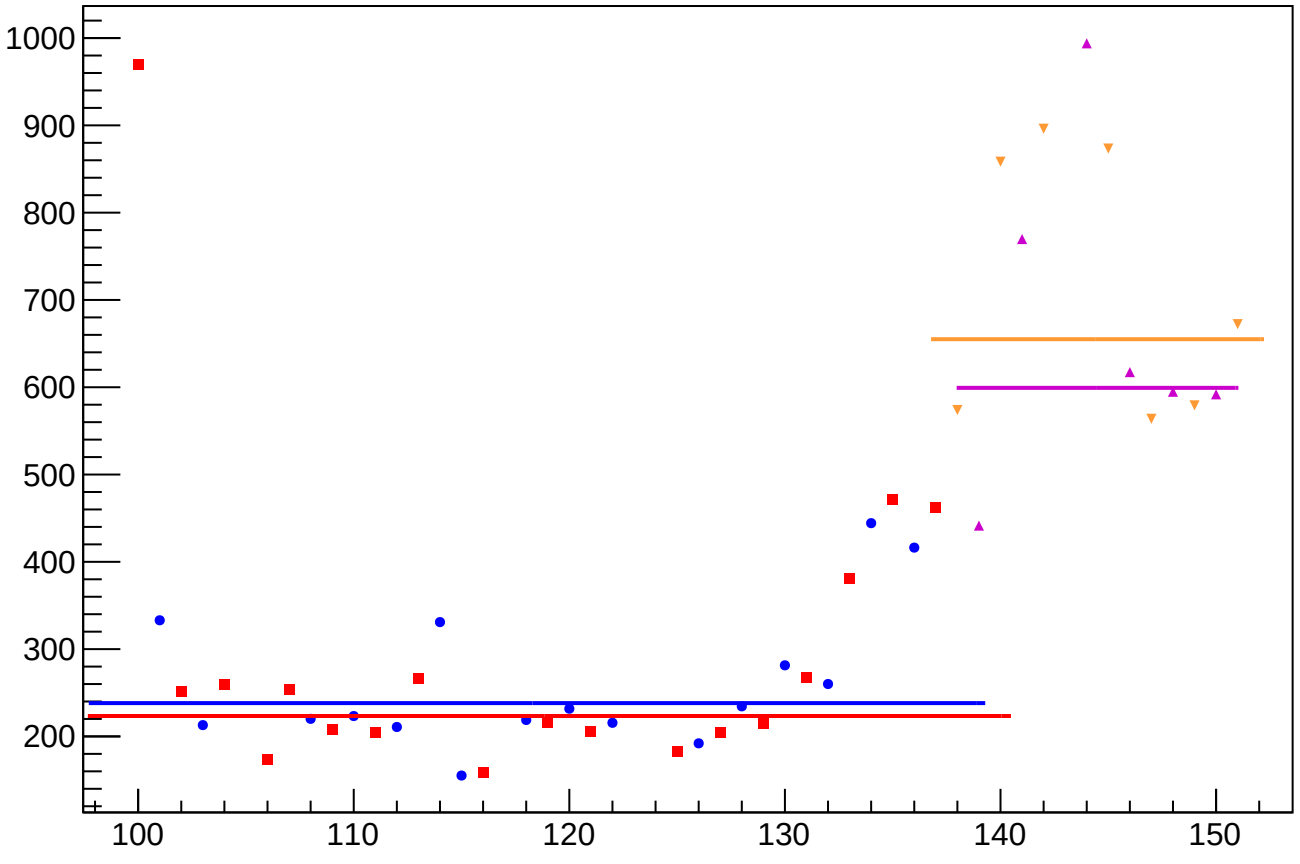
Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: 0.358+/-0.273 χ^2/NDF:8.1/5

+ sign -0.014+/-0.089 χ^2/NDF: 25.9/22

All: -0.033+/-0.062 χ^2/NDF: 61.8/46

- sign -0.050+/-0.086 χ^2/NDF: 35.8/23



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 655.033+/-0.205 χ^2/NDF:353021.6/6

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

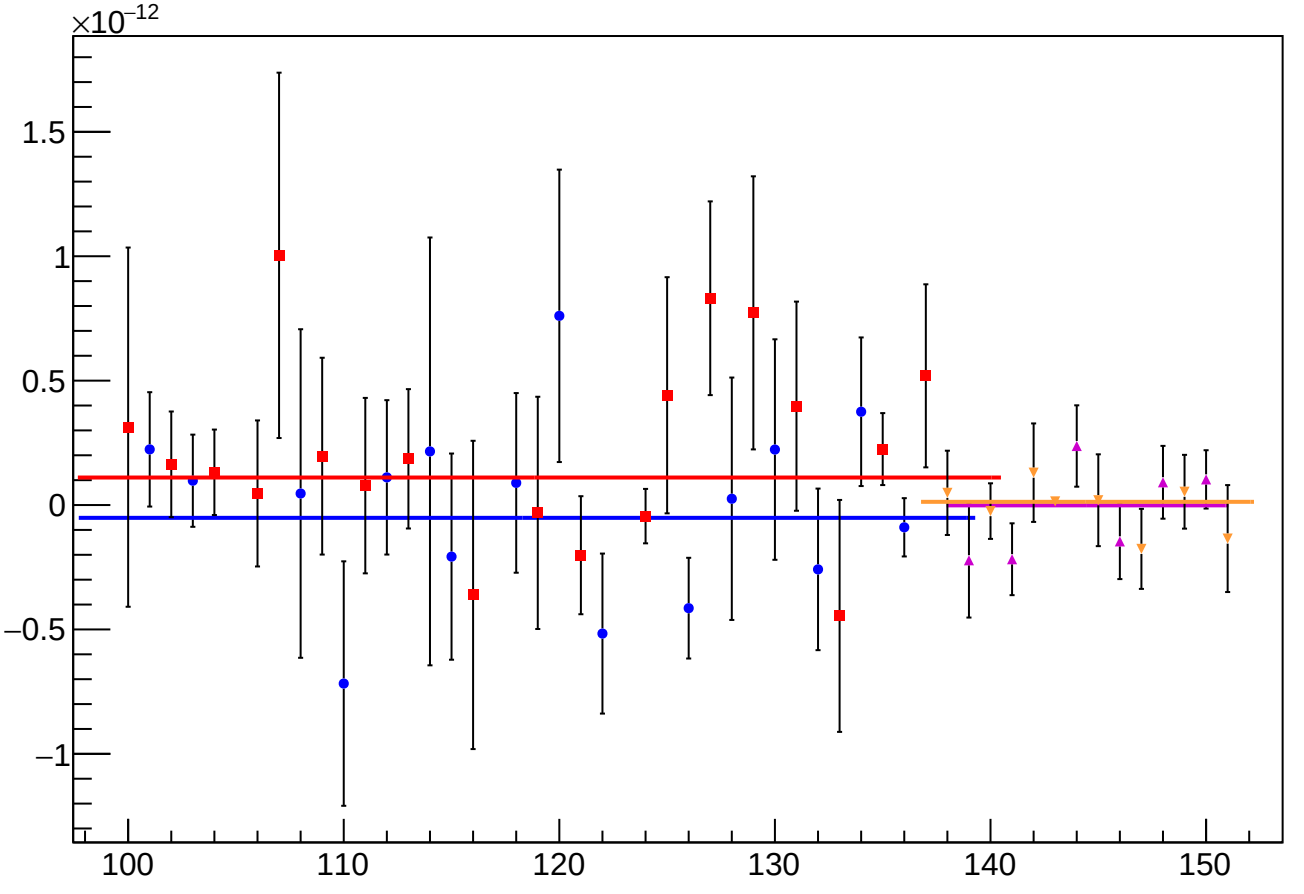
Left In: 599.309+/-0.193 χ^2/NDF:564367.9/5

+ sign 277.509+/-0.063 χ^2/NDF: 4888460.7/22

All: 268.534+/-0.044 χ^2/NDF: 9777304.0/46

- sign 260.300+/-0.060 χ^2/NDF: 4850072.0/23

asym_atl2_eigen_cor_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:2.4/7

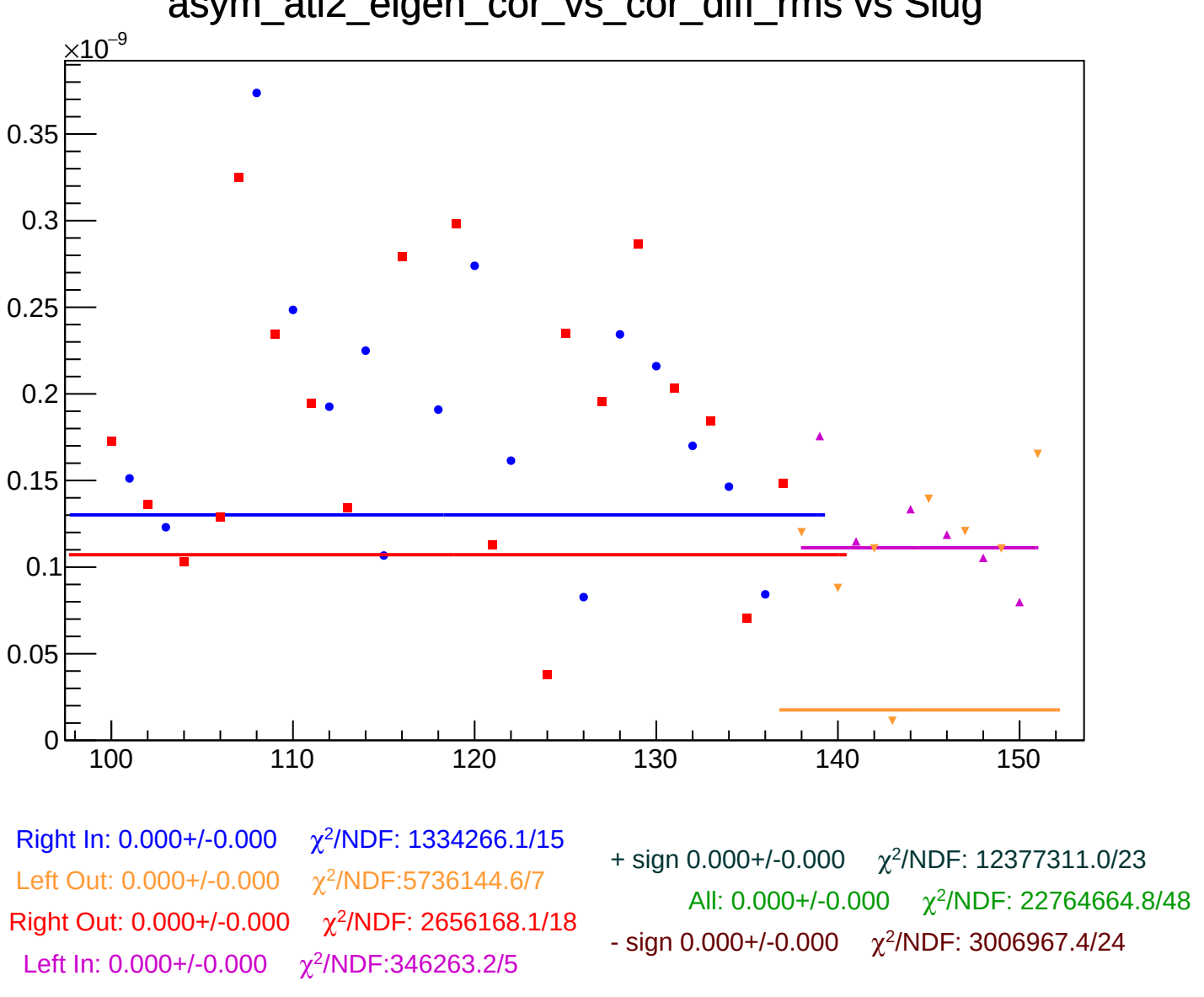
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:7.4/5

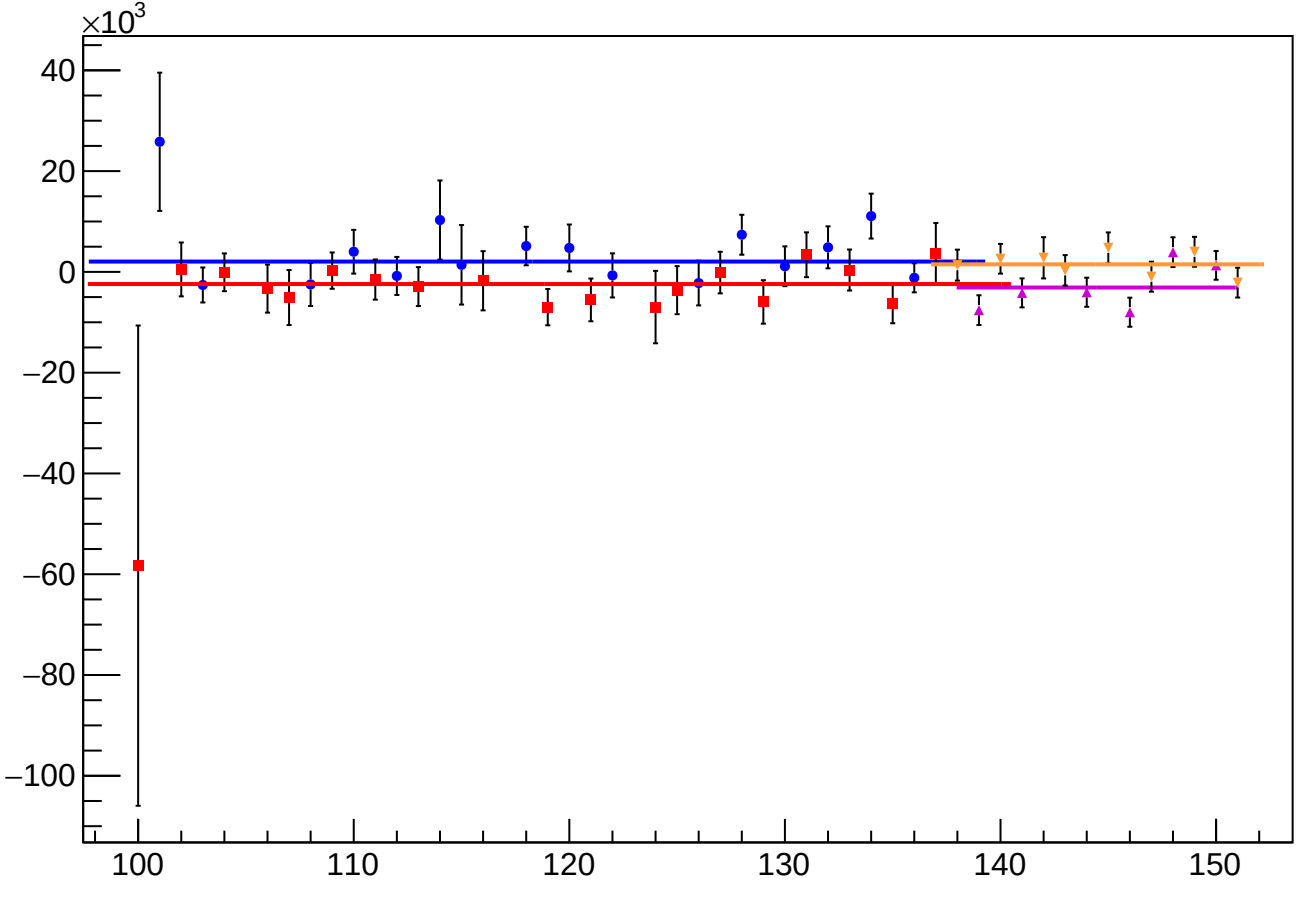
+ sign 0.000+/-0.000 χ^2/NDF: 18.1/23

All: 0.000+/-0.000 χ^2/NDF: 43.7/48

- sign 0.000+/-0.000 χ^2/NDF: 24.5/24


asym_atl2_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1334266.1/15
Left Out: 0.000+/-0.000 χ²/NDF:5736144.6/7
Right Out: 0.000+/-0.000 χ²/NDF: 2656168.1/18
Left In: 0.000+/-0.000 χ²/NDF:346263.2/5
+ sign 0.000+/-0.000 χ²/NDF: 12377311.0/23
All: 0.000+/-0.000 χ²/NDF: 22764664.8/48
- sign 0.000+/-0.000 χ²/NDF: 3006967.4/24

reg_asym_atr1_mean vs Slug



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 1501.004+/-1092.136 χ^2/NDF:4.4/7

Right Out: -2411.858+/-1035.471 χ^2/NDF: 10.8/18

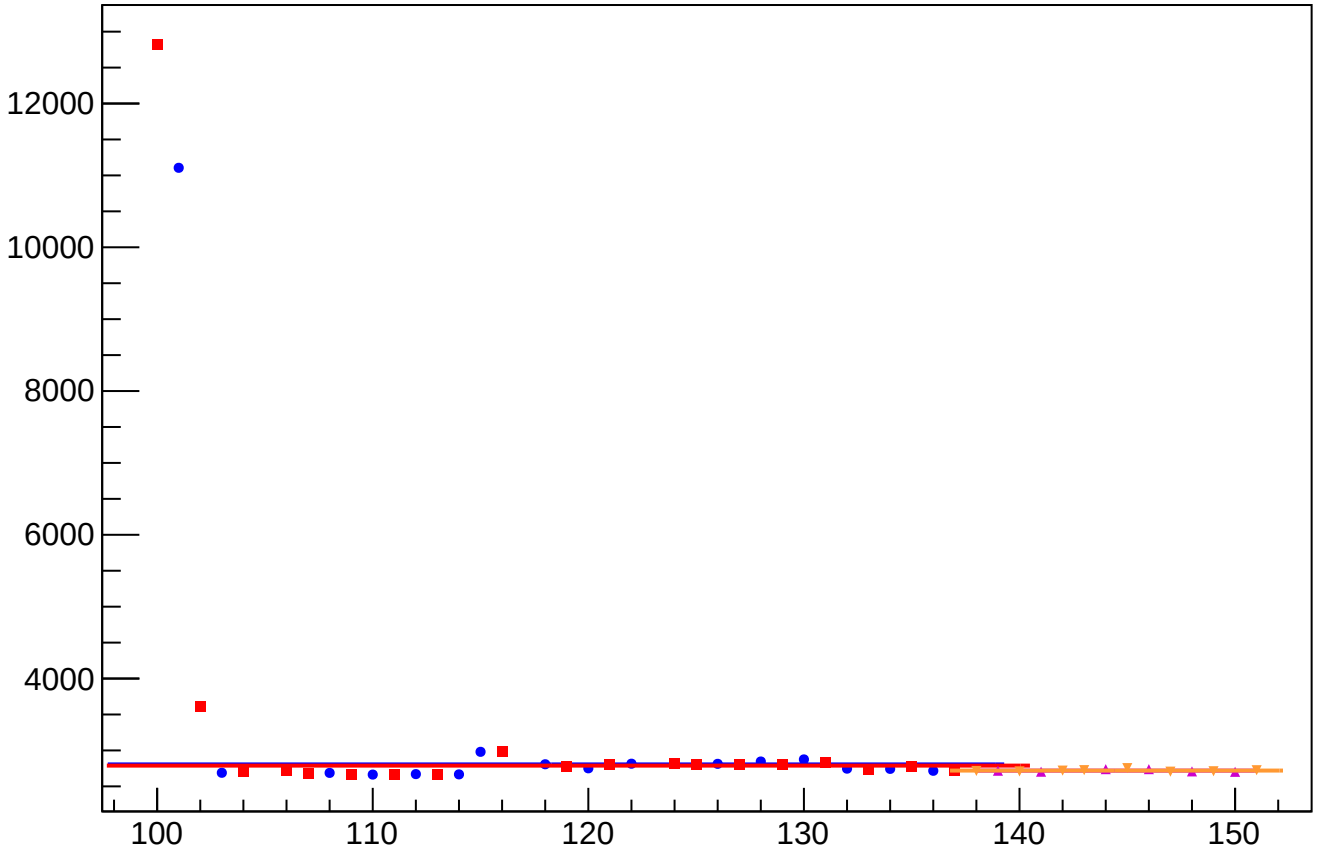
Left In: -3103.015+/-1184.012 χ^2/NDF:13.5/5

+ sign 1780.762+/-764.454 χ^2/NDF: 22.4/23

All: -421.693+/-545.774 χ^2/NDF: 63.7/48

- sign -2711.387+/-779.447 χ^2/NDF: 24.4/24

reg_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2719.862+/-0.772 χ^2/NDF:370.0/7

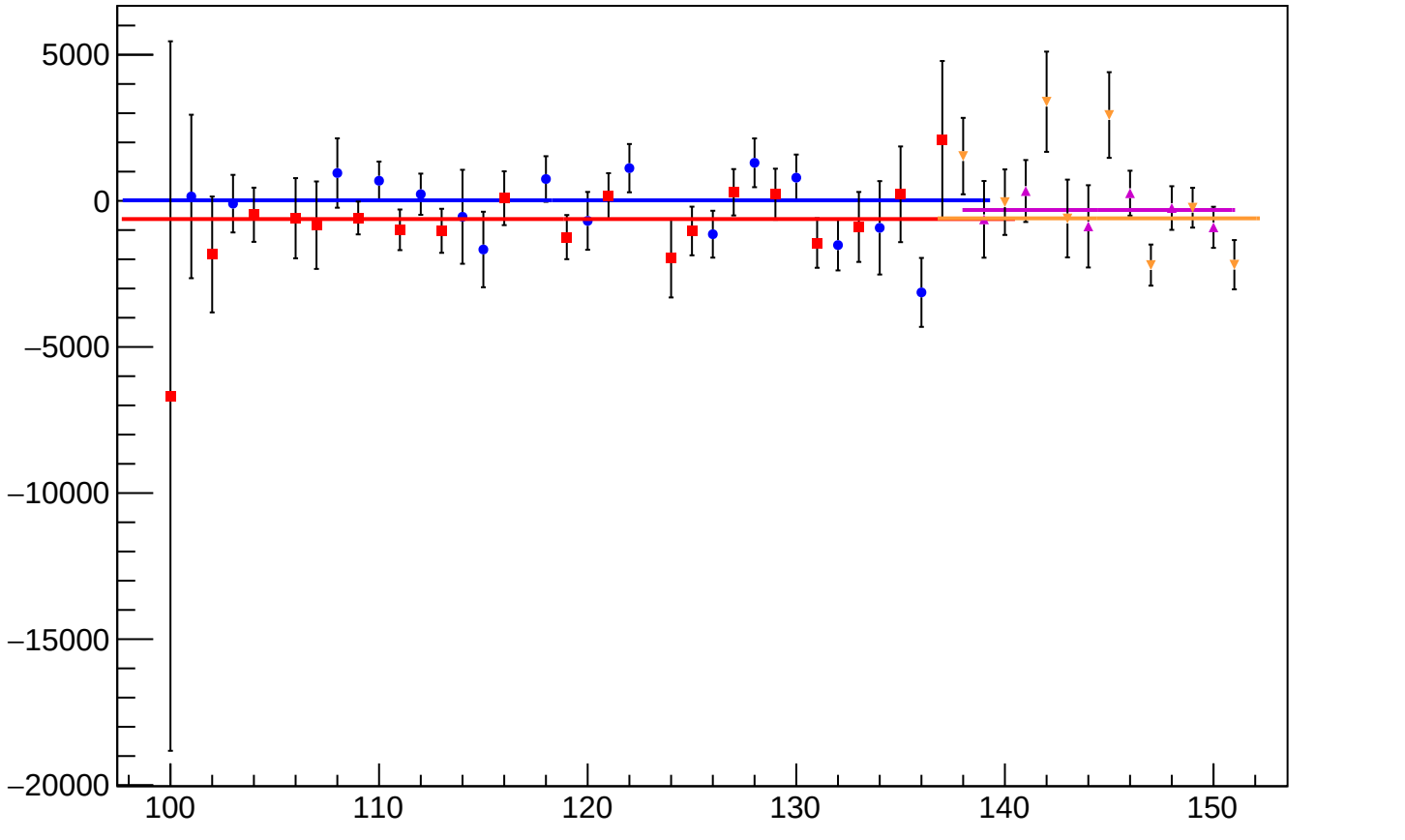
Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

Left In: 2718.773+/-0.837 χ^2/NDF:349.2/5

+ sign 2763.514+/-0.541 χ^2/NDF: 752874.9/23

All: 2761.038+/-0.386 χ^2/NDF: 904231.7/48

- sign 2758.464+/-0.551 χ^2/NDF: 151314.0/24



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: -598.878+/-346.328 χ^2/NDF:23.1/7

Right Out: -623.107+/-215.948 χ^2/NDF: 9.3/18

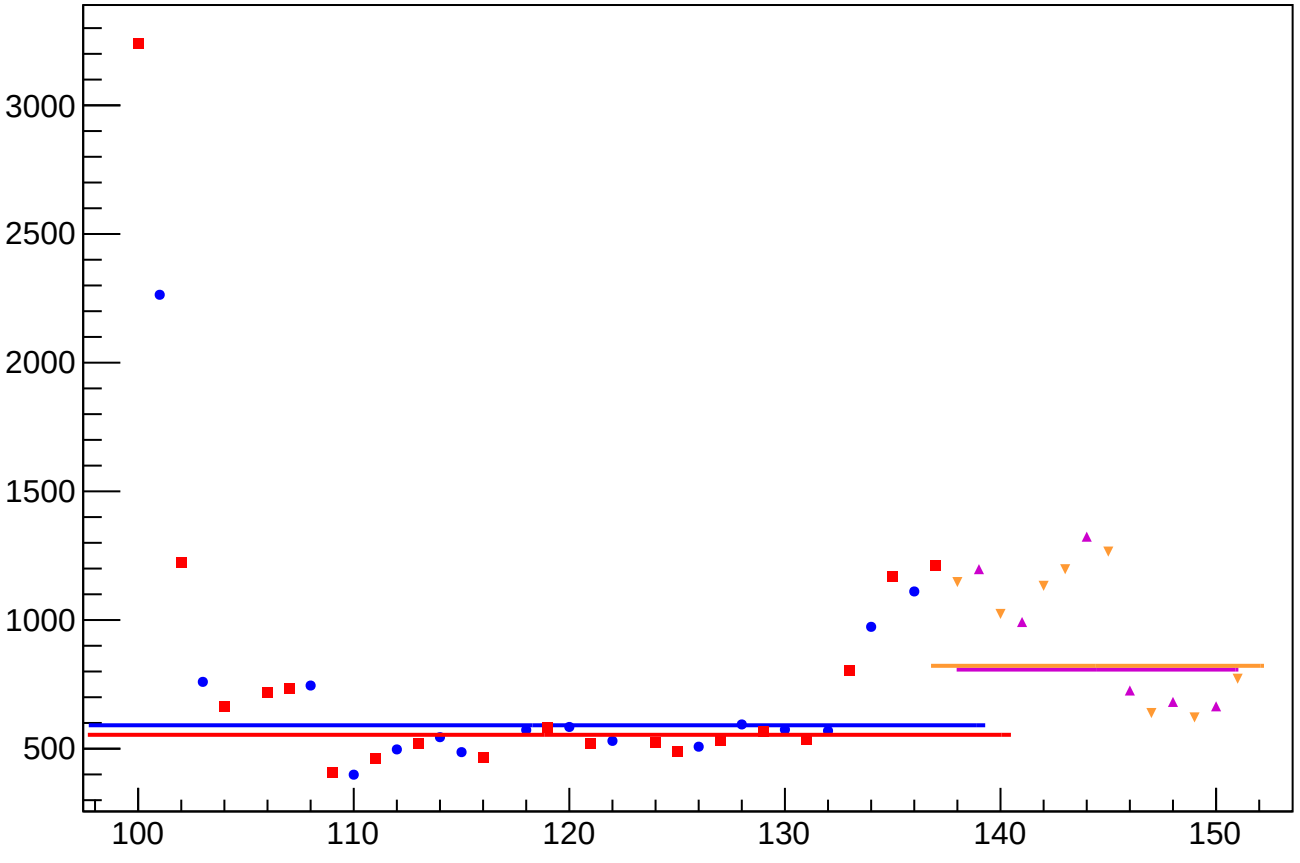
Left In: -312.218+/-365.496 χ^2/NDF:1.9/5

\+ sign -174.087+/-193.597 χ^2/NDF: 48.1/23

All: -365.826+/-134.098 χ^2/NDF: 61.6/48

\- sign -542.662+/-185.921 χ^2/NDF: 11.7/24

asym_atr1_reg_correction_rms vs Slug



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 822.109+/-0.245 χ^2/NDF:913078.4/7

Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

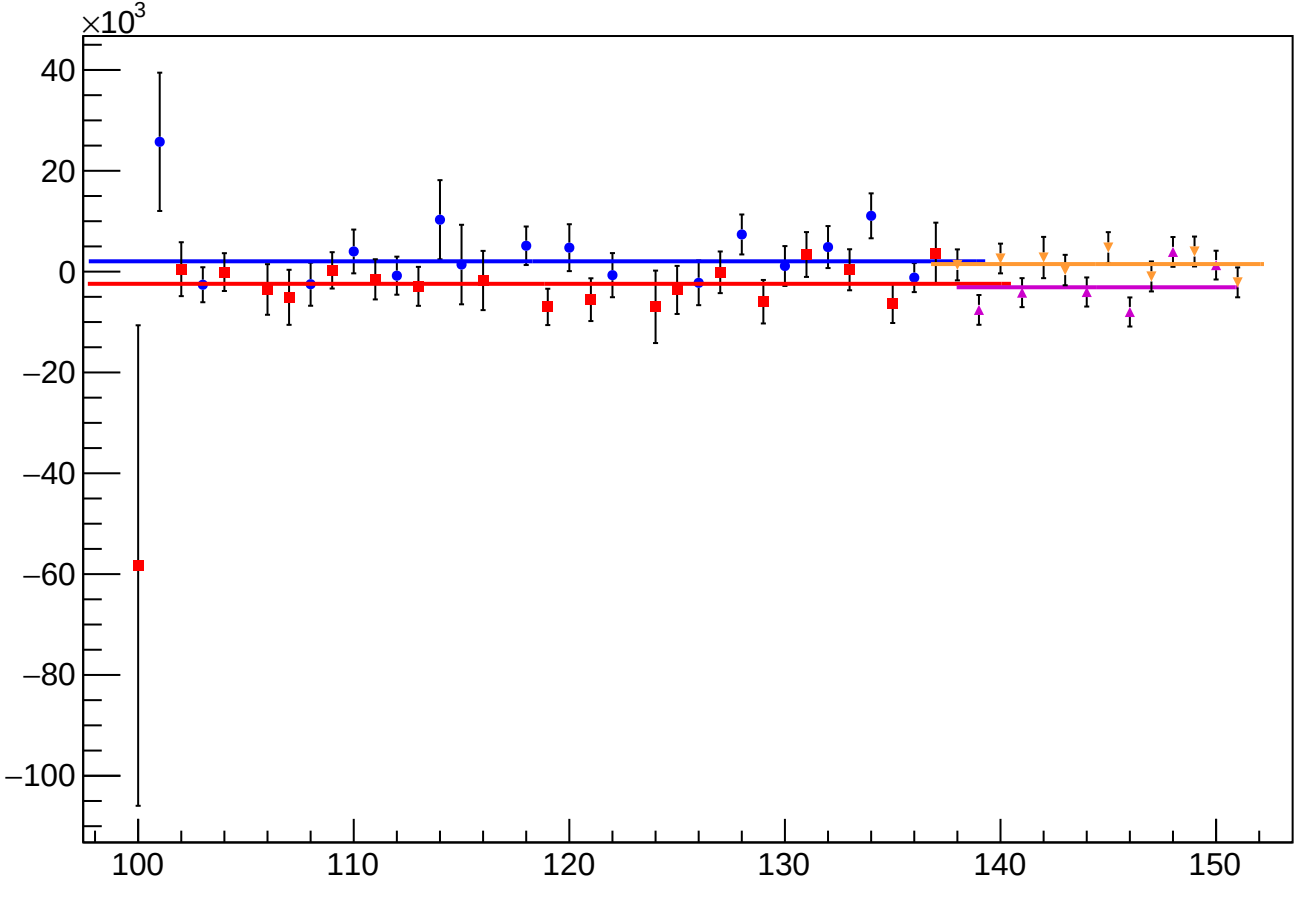
Left In: 807.446+/-0.258 χ^2/NDF:668262.0/5

+ sign 663.245+/-0.137 χ^2/NDF: 3092838.7/23

All: 640.523+/-0.095 χ^2/NDF: 5643920.9/48

- sign 619.568+/-0.131 χ^2/NDF: 2498124.3/24

cor_asym_atr1_mean vs Slug



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 1501.091+/-1092.136 χ^2/NDF:4.4/7

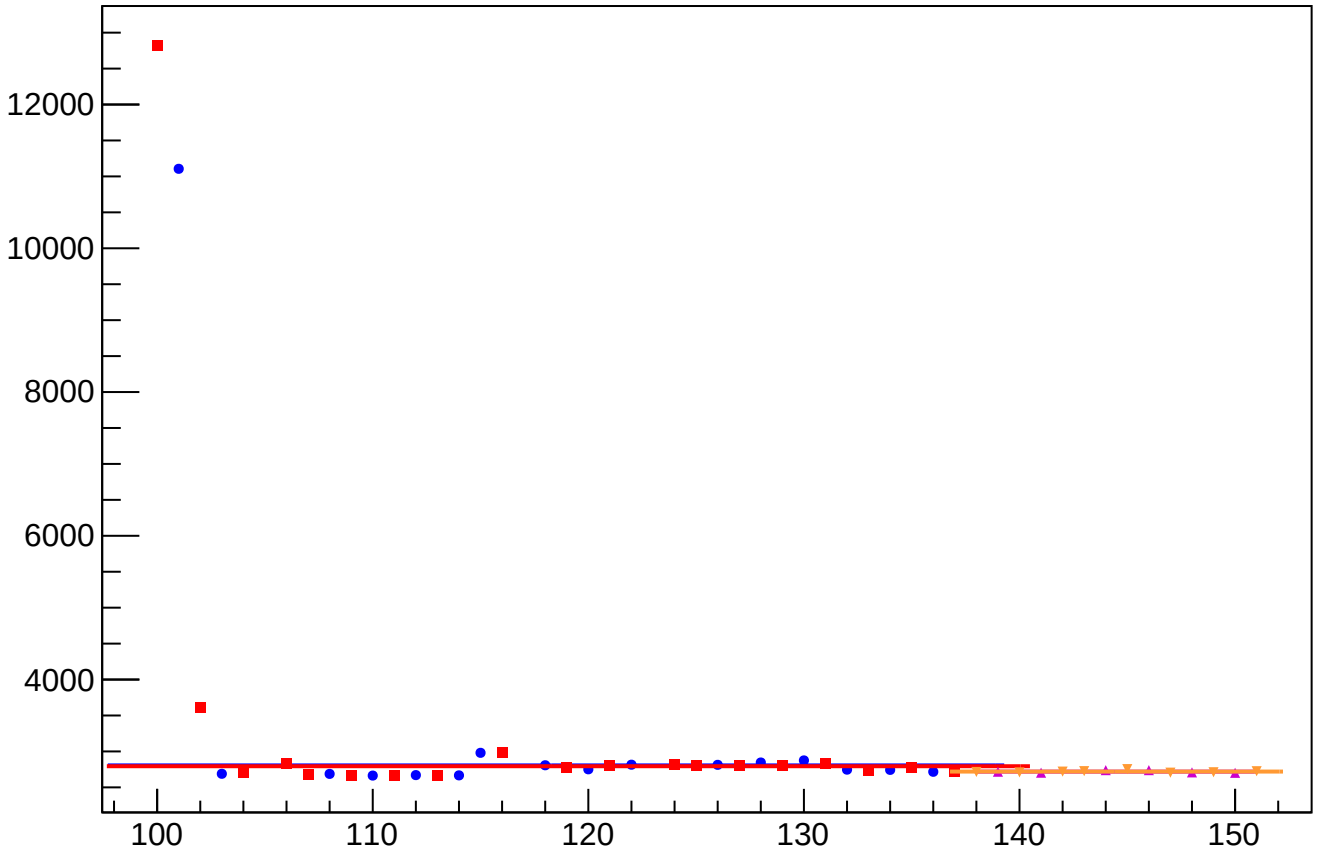
Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: -3103.295+/-1184.012 χ^2/NDF:13.5/5

+ sign 1780.394+/-764.454 χ^2/NDF: 22.3/23

All: -421.075+/-546.123 χ^2/NDF: 63.7/48

- sign -2715.711+/-780.463 χ^2/NDF: 24.4/24



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2719.862+/-0.772 χ^2/NDF:370.0/7

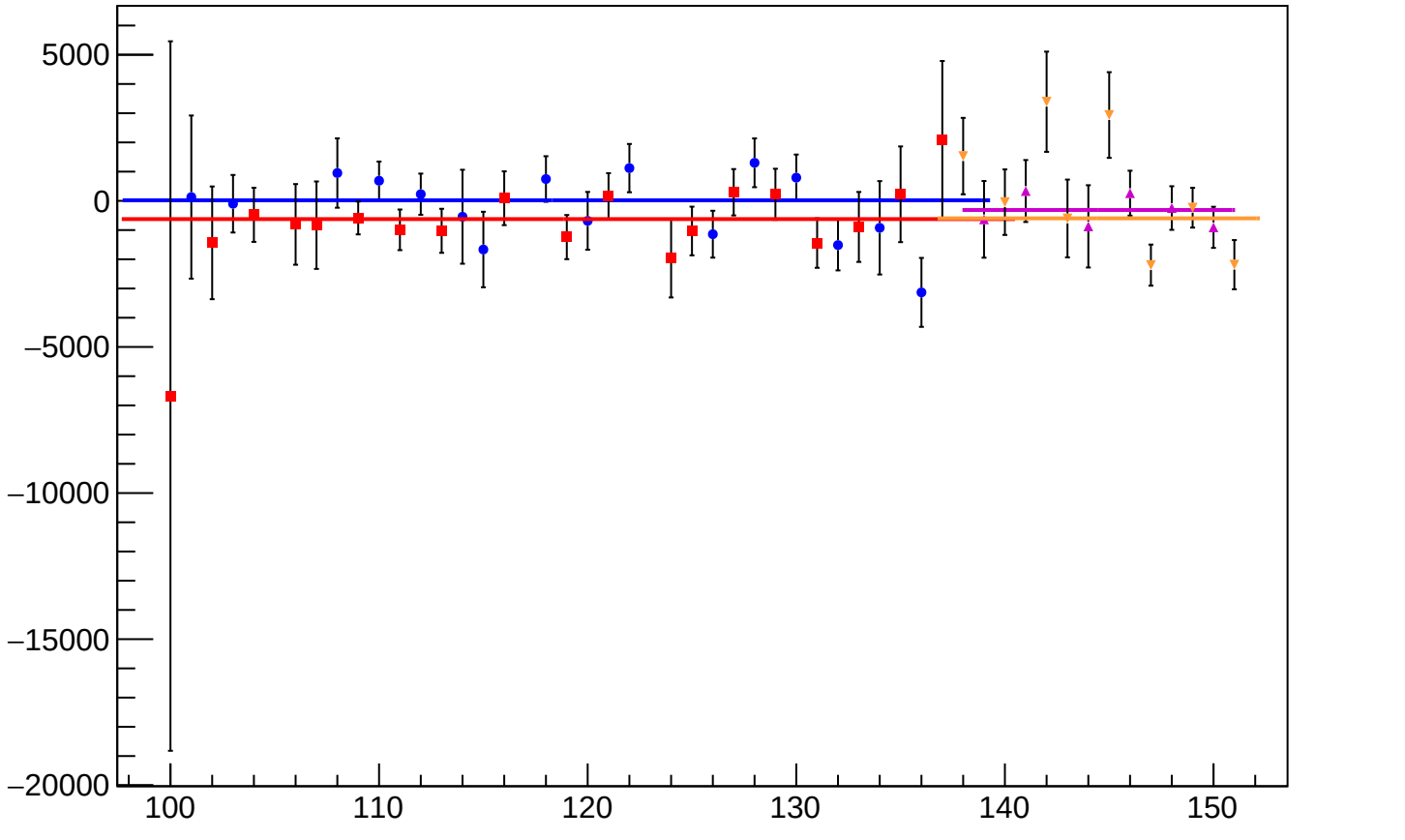
Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2718.773+/-0.837 χ^2/NDF:349.2/5

+ sign 2763.514+/-0.541 χ^2/NDF: 752874.1/23

All: 2762.480+/-0.386 χ^2/NDF: 904559.7/48

- sign 2761.403+/-0.552 χ^2/NDF: 151678.2/24



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -598.830+/-346.326 χ^2/NDF:23.1/7

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

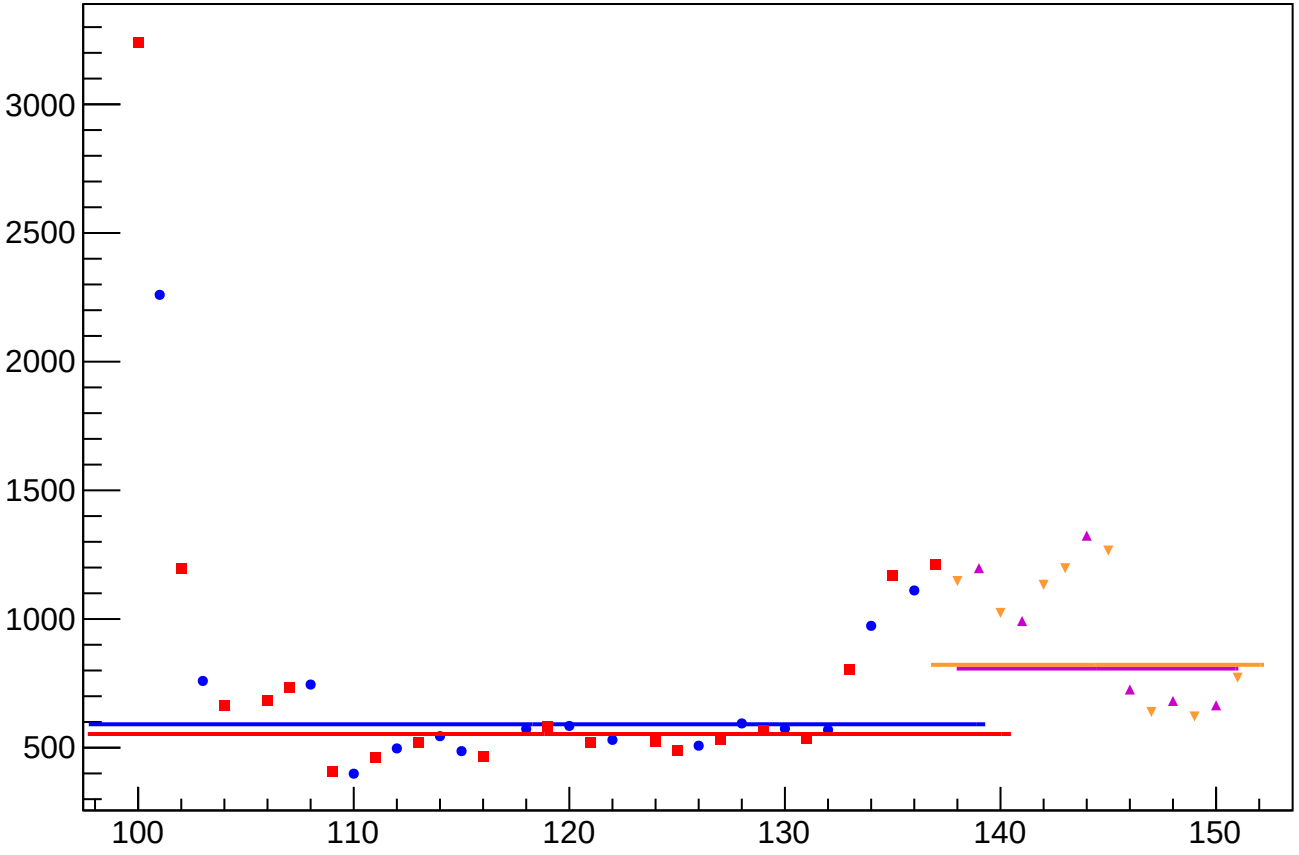
Left In: -312.358+/-365.497 χ^2/NDF:1.9/5

\+ sign -174.088+/-193.590 χ^2/NDF: 48.1/23

All: -366.309+/-134.084 χ^2/NDF: 61.5/48

\- sign -543.547+/-185.892 χ^2/NDF: 11.5/24

asym_atr1_cor_correction_rms vs Slug



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 822.102+/-0.245 χ^2/NDF:913085.7/7

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

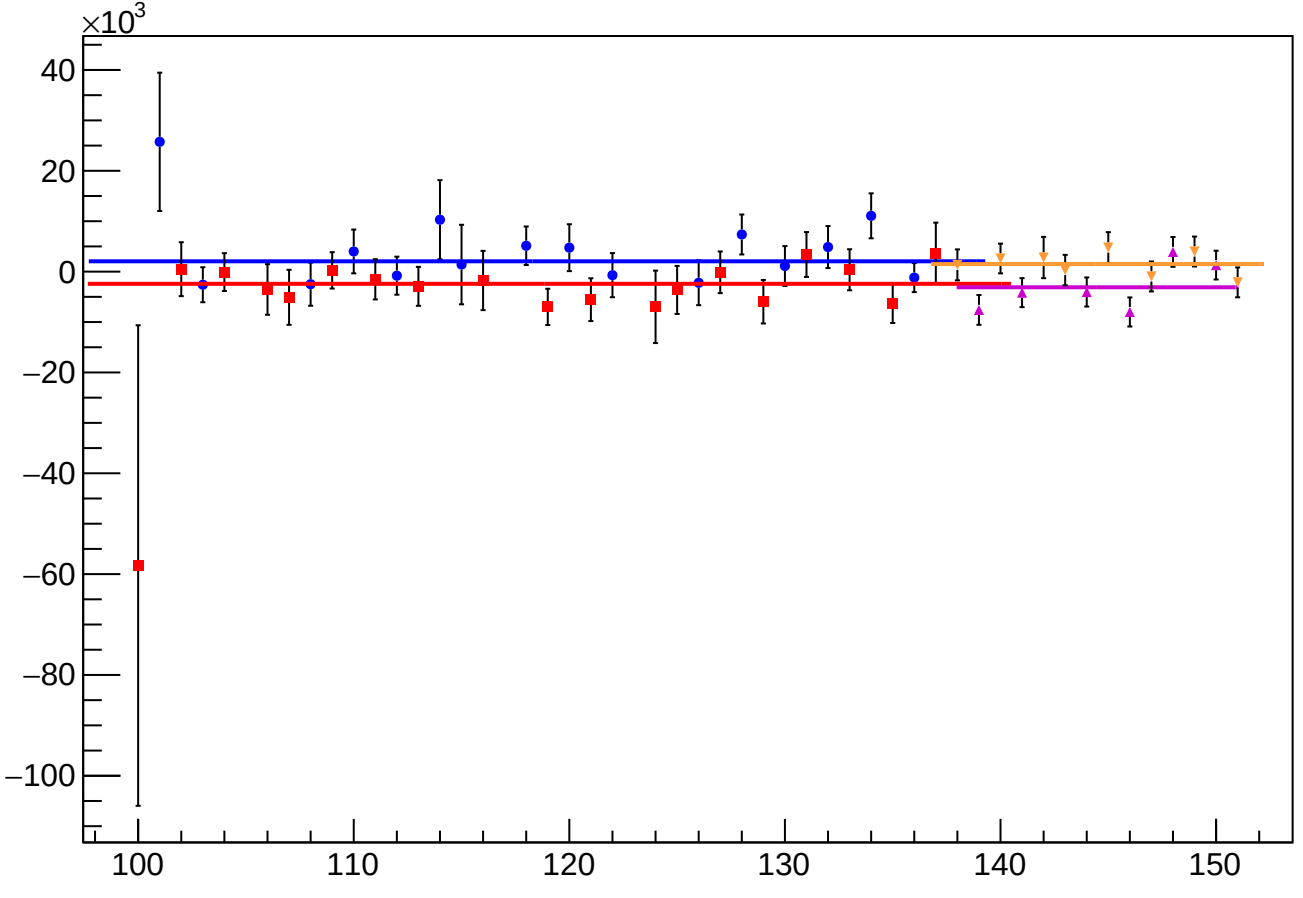
Left In: 807.447+/-0.258 χ^2/NDF:668252.1/5

+ sign 663.237+/-0.137 χ^2/NDF: 3091811.9/23

All: 640.217+/-0.095 χ^2/NDF: 5633321.1/48

- sign 618.992+/-0.131 χ^2/NDF: 2487154.1/24

eigen_cor_asym_atr1_mean vs Slug



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 1501.091+/-1092.136 χ^2/NDF:4.4/7

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

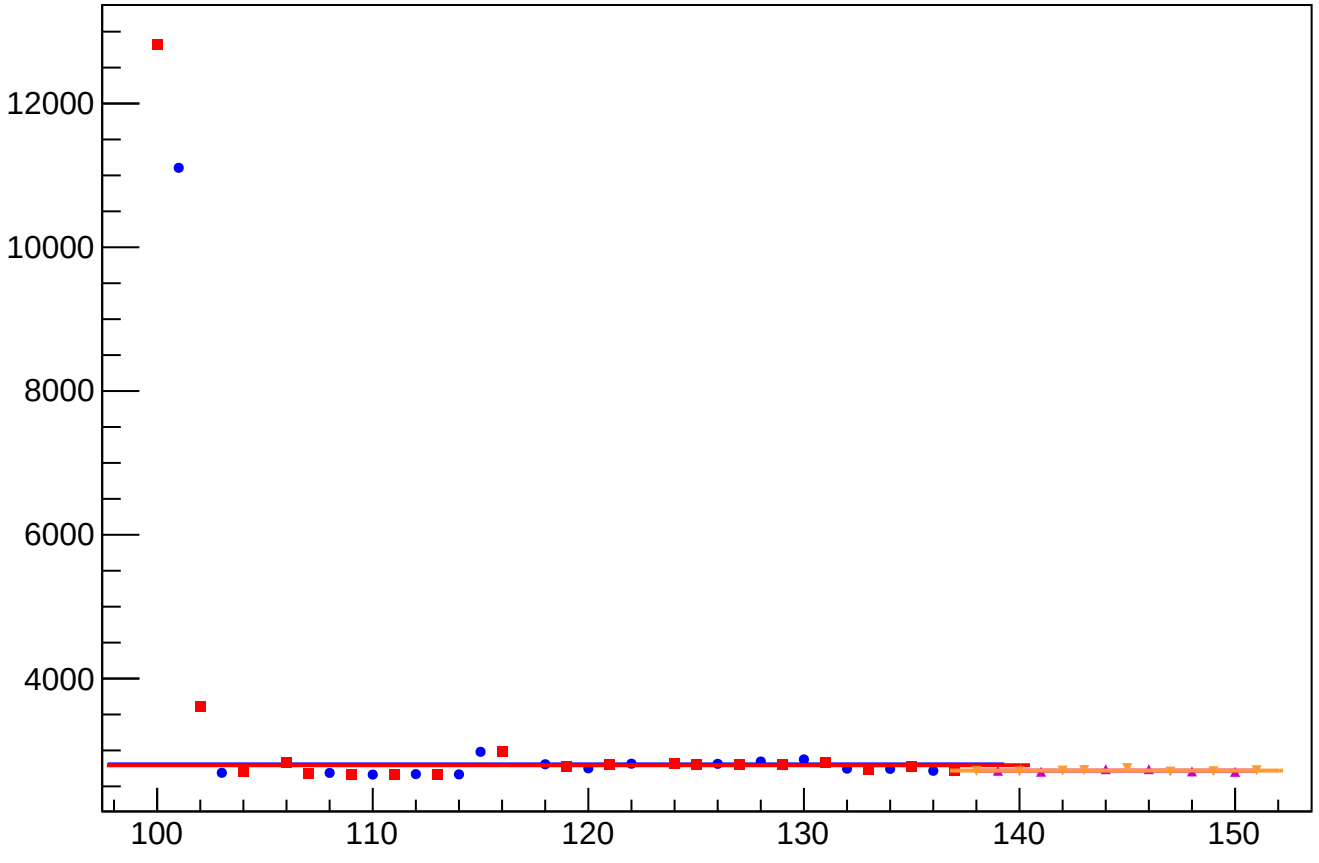
Left In: -3103.295+/-1184.012 χ^2/NDF:13.5/5

+ sign 1780.394+/-764.454 χ^2/NDF: 22.3/23

All: -421.075+/-546.123 χ^2/NDF: 63.7/48

- sign -2715.711+/-780.463 χ^2/NDF: 24.4/24

eigen_cor_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2719.862+/-0.772 χ^2/NDF:370.0/7

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

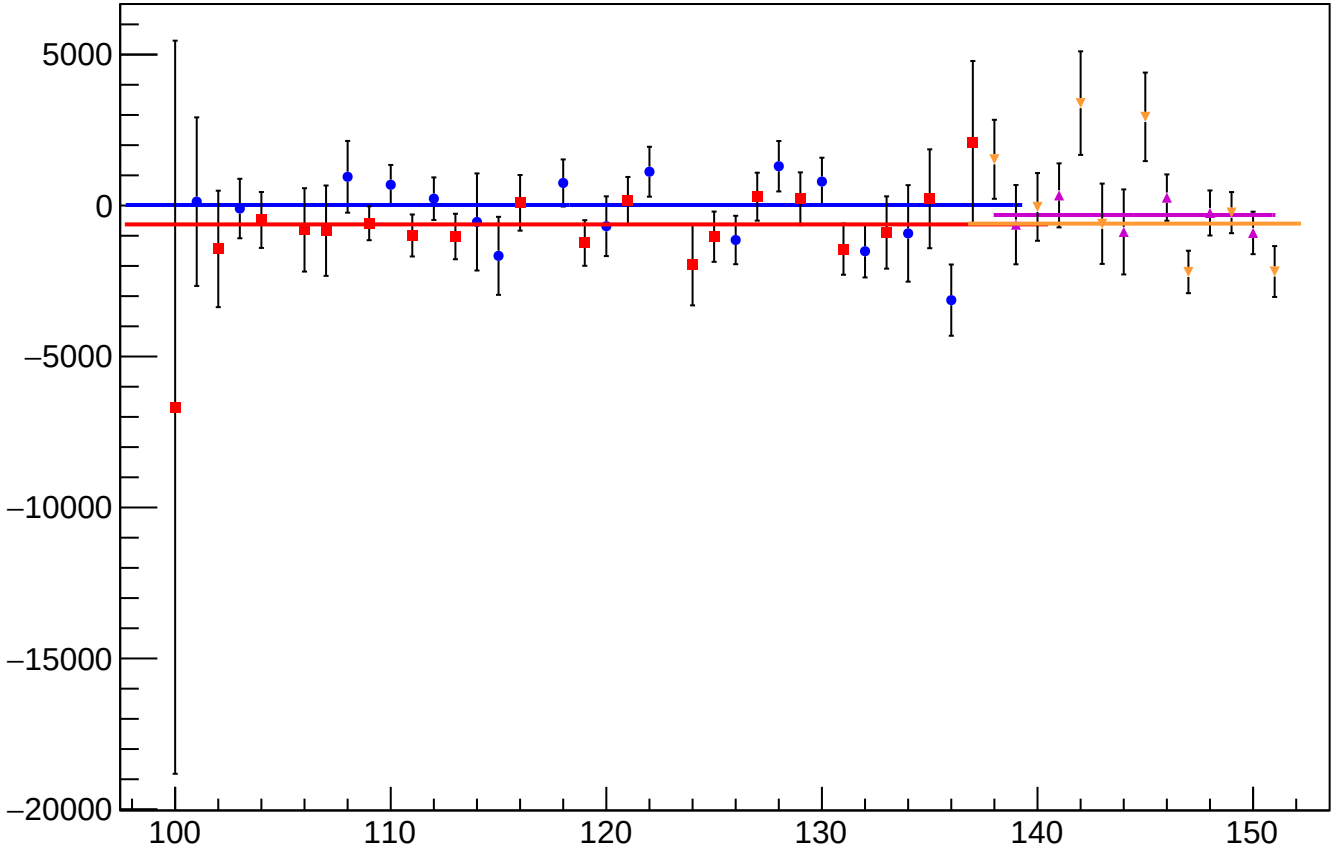
Left In: 2718.773+/-0.837 χ^2/NDF:349.2/5

+ sign 2763.514+/-0.541 χ^2/NDF: 752874.1/23

All: 2762.480+/-0.386 χ^2/NDF: 904559.7/48

- sign 2761.403+/-0.552 χ^2/NDF: 151678.2/24

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -598.830+/-346.326 χ^2/NDF:23.1/7

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

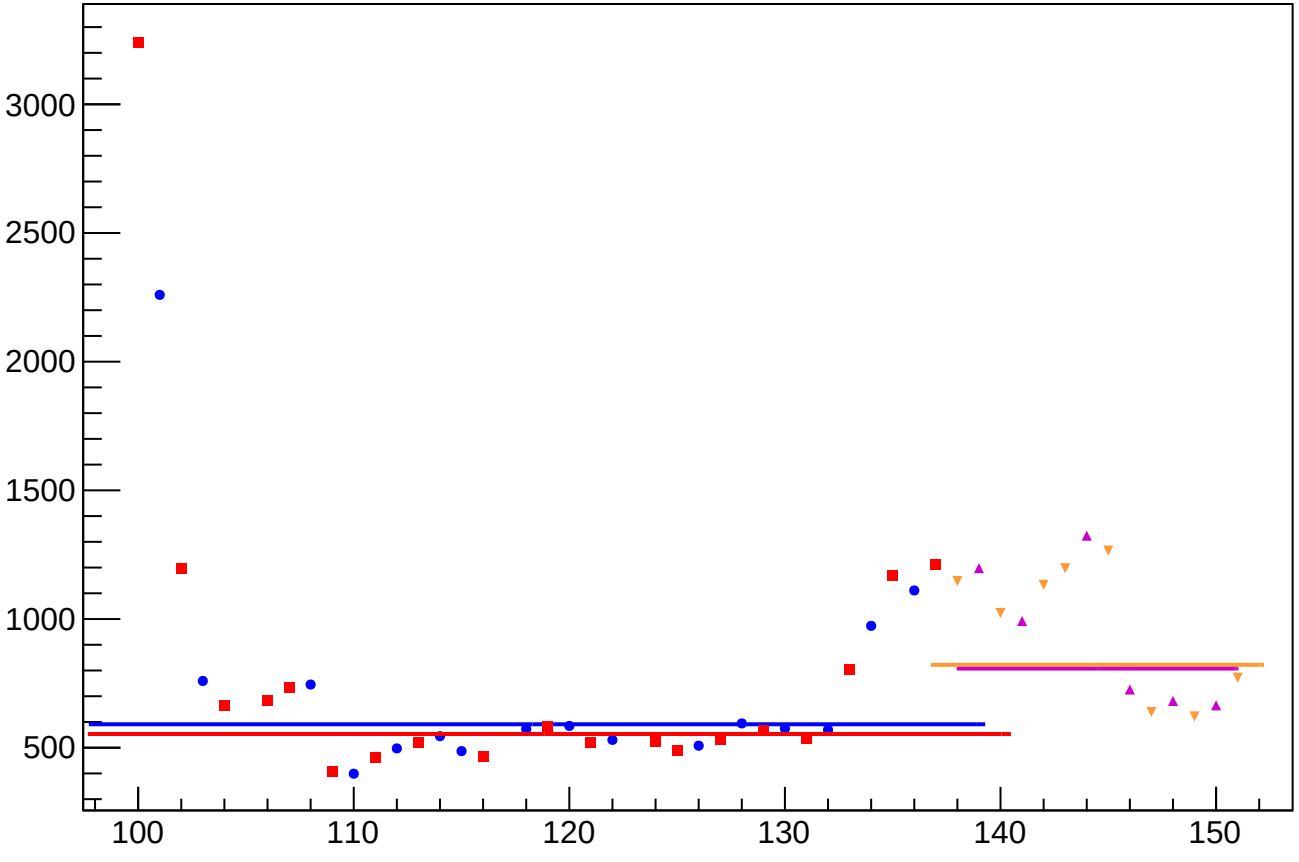
Left In: -312.358+/-365.497 χ^2/NDF:1.9/5

\+ sign -174.088+/-193.590 χ^2/NDF: 48.1/23

All: -366.309+/-134.084 χ^2/NDF: 61.5/48

\- sign -543.547+/-185.892 χ^2/NDF: 11.5/24

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 822.102+/-0.245 χ^2/NDF:913085.7/7

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

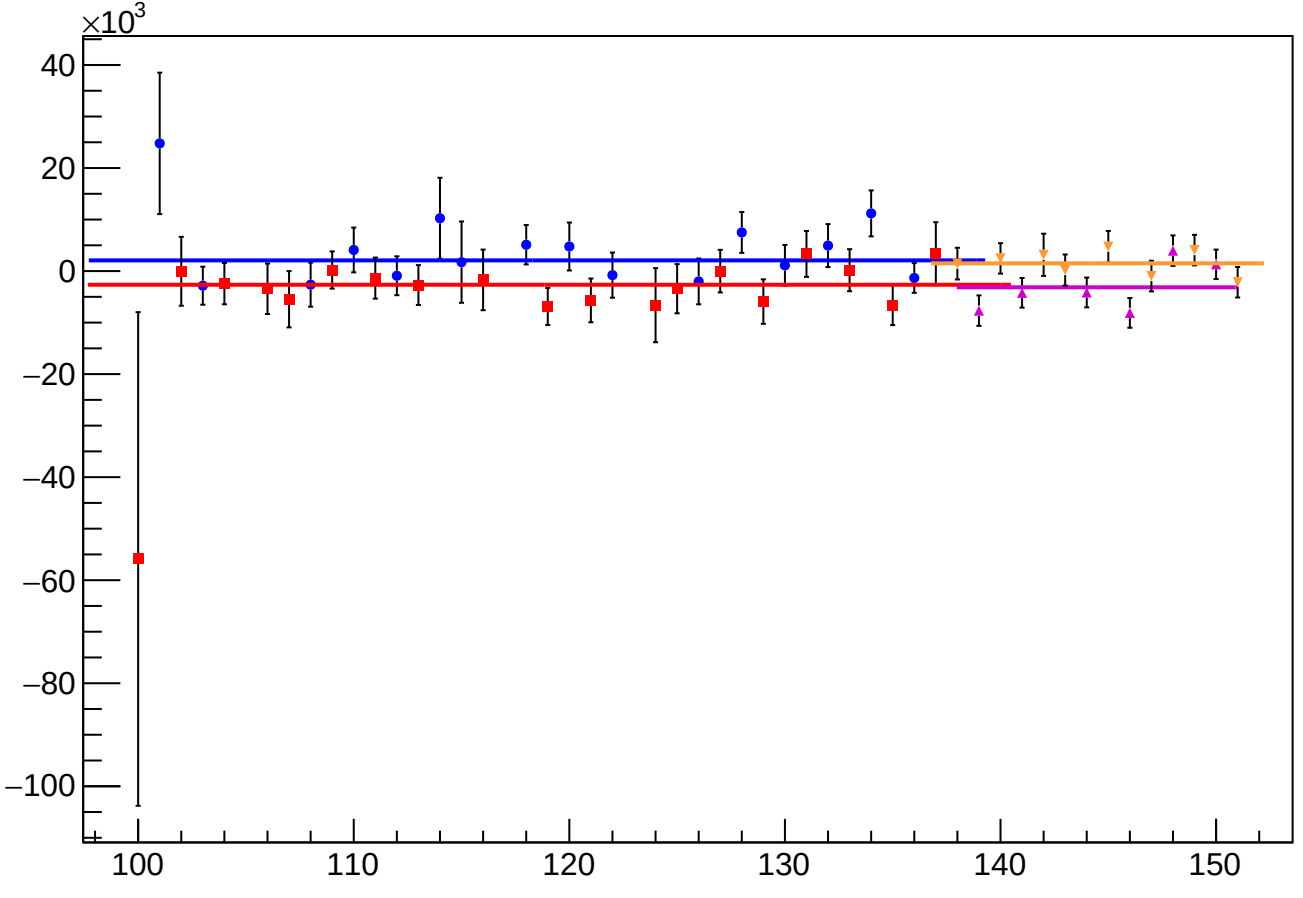
Left In: 807.447+/-0.258 χ^2/NDF:668252.1/5

+ sign 663.237+/-0.137 χ^2/NDF: 3091811.9/23

All: 640.217+/-0.095 χ^2/NDF: 5633321.1/48

- sign 618.992+/-0.131 χ^2/NDF: 2487154.1/24

dit_asym_atr1_mean vs Slug



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 1503.740+/-1092.965 χ^2/NDF:4.5/7

Right Out: -2657.301+/-1049.868 χ^2/NDF: 9.9/18

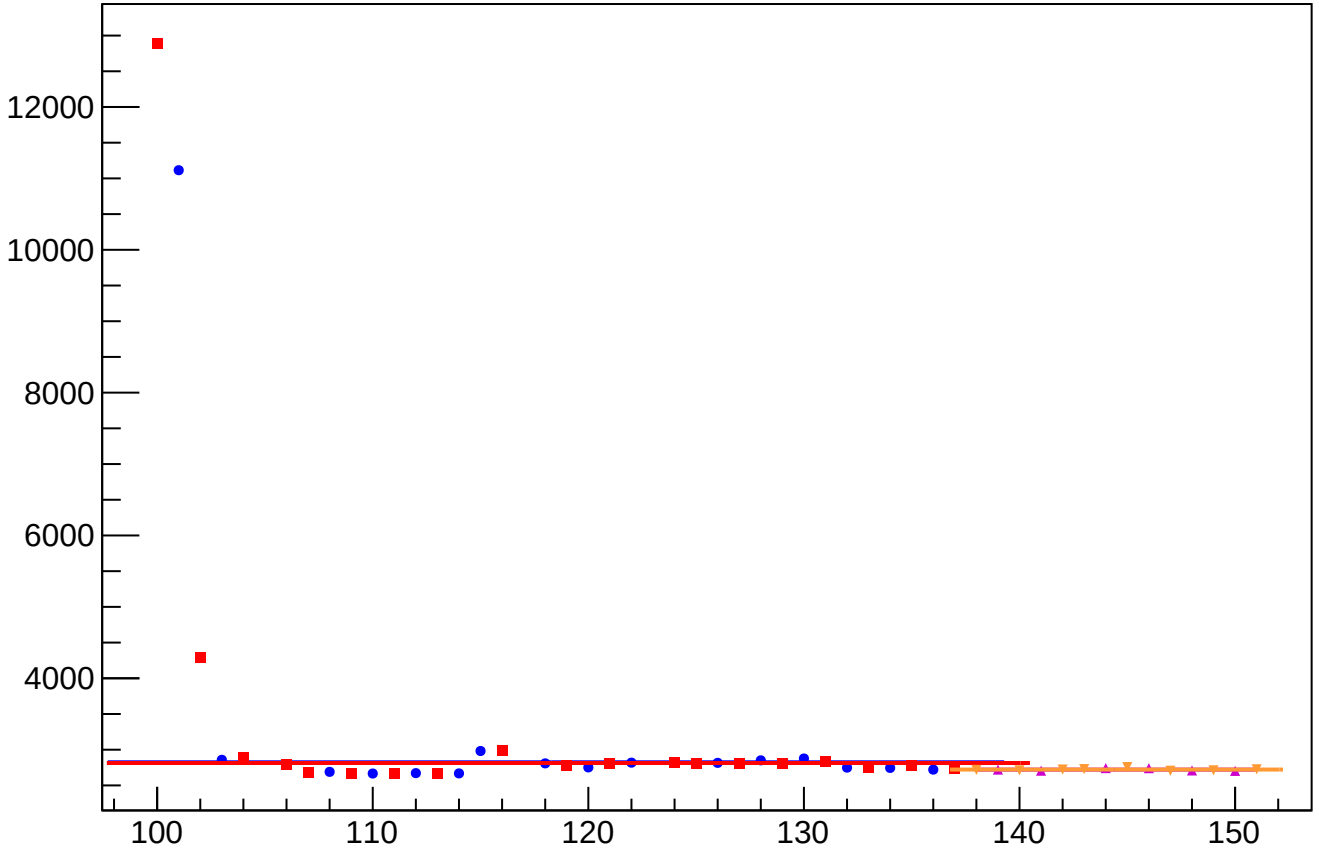
Left In: -3149.481+/-1184.885 χ^2/NDF:13.8/5

+ sign 1793.406+/-767.202 χ^2/NDF: 22.6/23

All: -484.331+/-548.947 χ^2/NDF: 64.4/48

- sign -2873.763+/-785.788 χ^2/NDF: 23.8/24

dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2721.919+/-0.773 χ^2/NDF:385.2/7

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

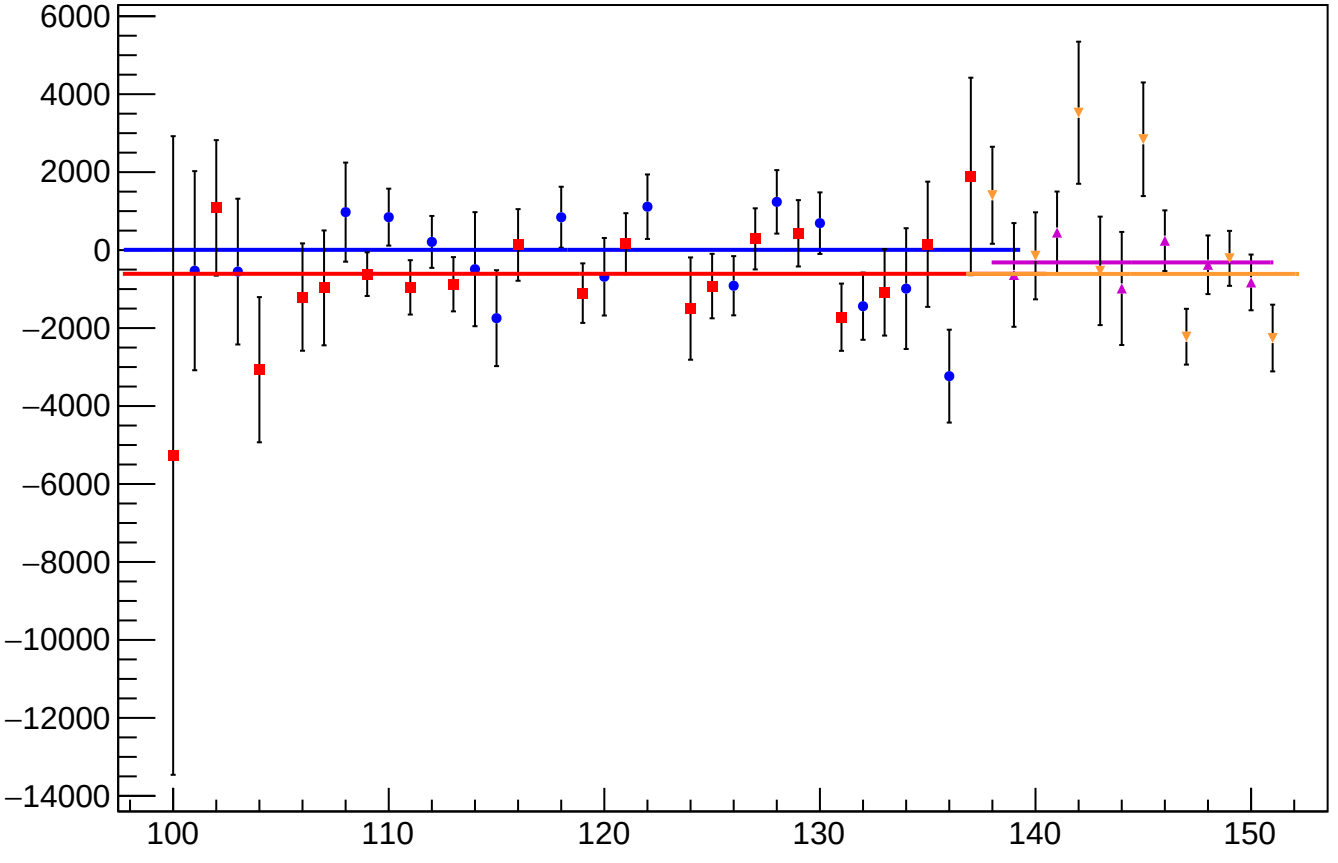
Left In: 2720.757+/-0.838 χ^2/NDF:367.4/5

+ sign 2773.422+/-0.542 χ^2/NDF: 753056.0/23

All: 2773.163+/-0.388 χ^2/NDF: 960847.6/48

- sign 2772.891+/-0.556 χ^2/NDF: 207791.1/24

asym_atr1_dit_correction_mean vs Slug



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

Left Out: -610.617+/-352.148 χ^2/NDF:22.6/7

Right Out: -607.647+/-217.093 χ^2/NDF: 12.2/18

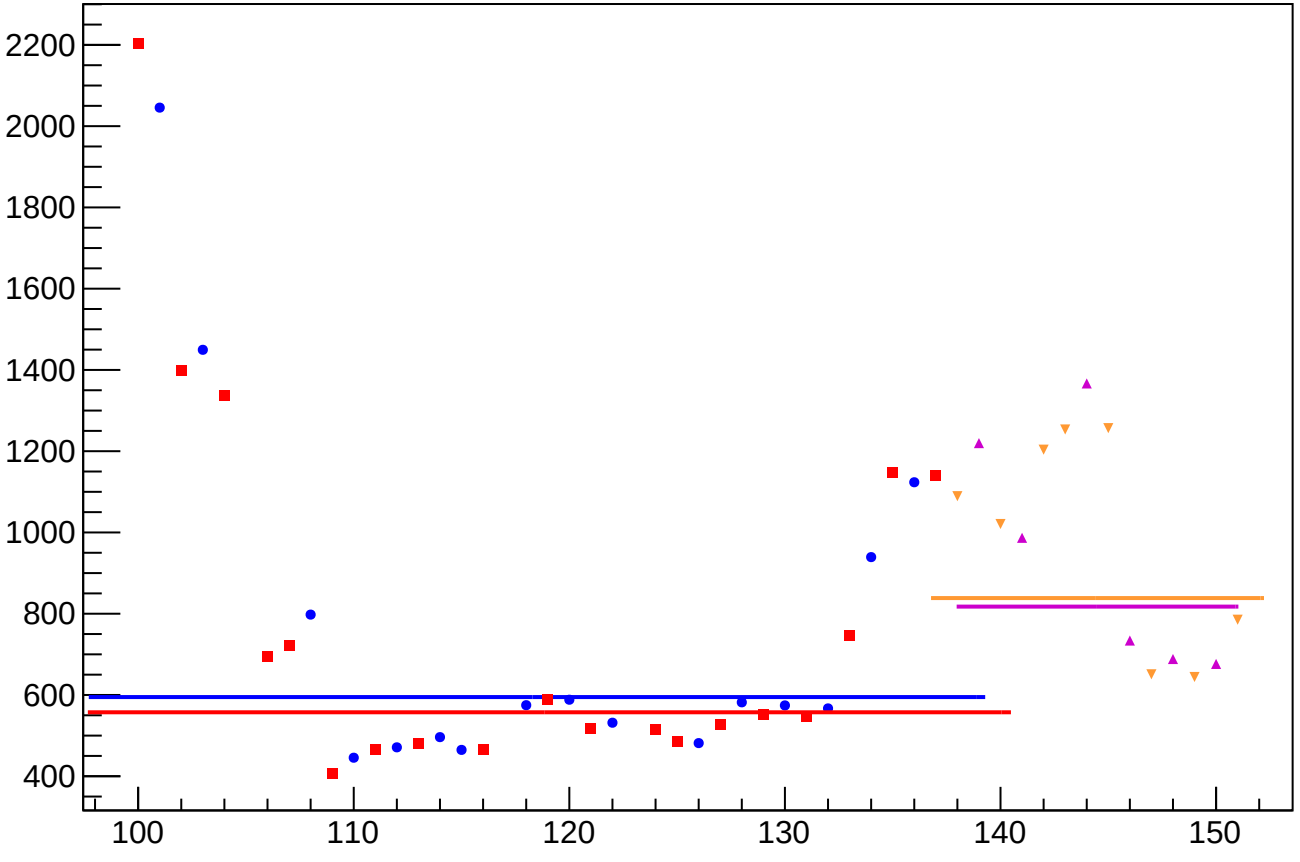
Left In: -315.816+/-369.682 χ^2/NDF:1.8/5

\+ sign -186.013+/-196.878 χ^2/NDF: 47.6/23

All: -368.145+/-135.663 χ^2/NDF: 63.6/48

\- sign -532.814+/-187.201 χ^2/NDF: 14.5/24

asym_atr1_dit_correction_rms vs Slug



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 838.515+/-0.249 χ^2/NDF:854311.0/7

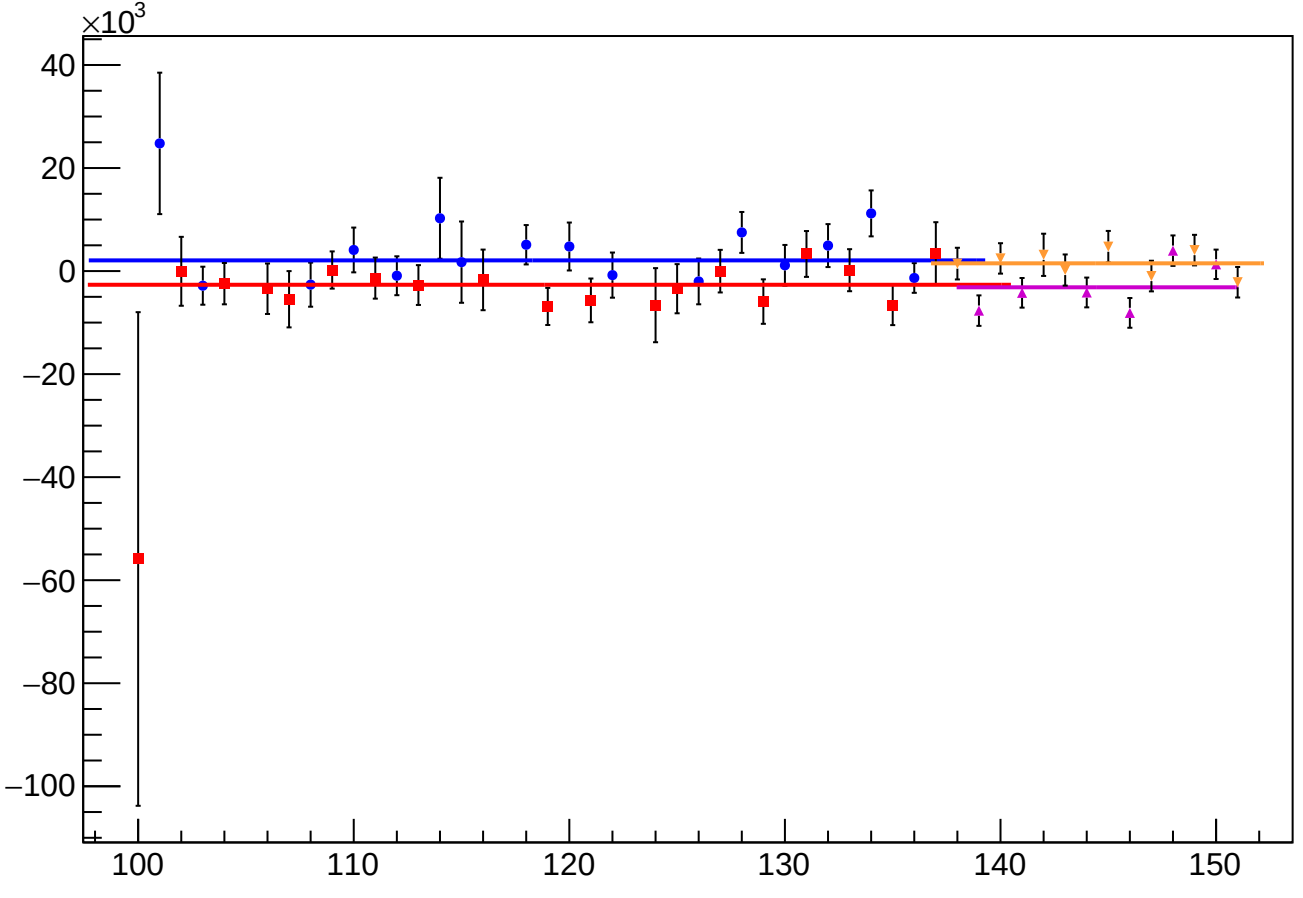
Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

Left In: 817.497+/-0.261 χ^2/NDF:681495.2/5

+ sign 671.017+/-0.139 χ^2/NDF: 3365180.7/23

All: 646.374+/-0.096 χ^2/NDF: 6473820.8/48

- sign 624.093+/-0.132 χ^2/NDF: 3048974.5/24



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 1503.742+/-1092.965 χ^2/NDF:4.5/7

Right Out: -2657.300+/-1049.868 χ^2/NDF: 9.9/18

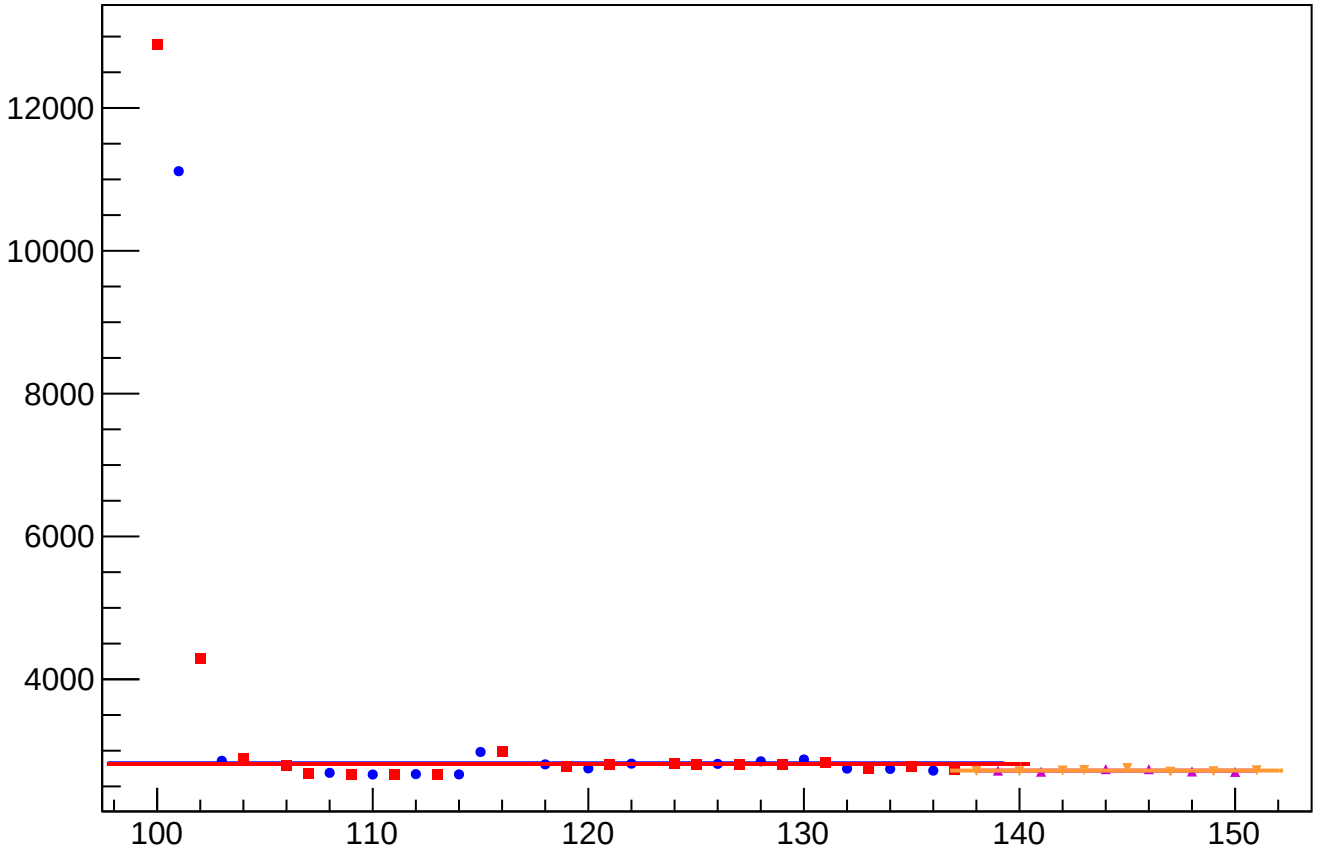
Left In: -3149.481+/-1184.885 χ^2/NDF:13.8/5

+ sign 1793.406+/-767.202 χ^2/NDF: 22.6/23

All: -484.331+/-548.947 χ^2/NDF: 64.4/48

- sign -2873.763+/-785.788 χ^2/NDF: 23.8/24

eigen_dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2721.919+/-0.773 χ^2/NDF:385.2/7

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

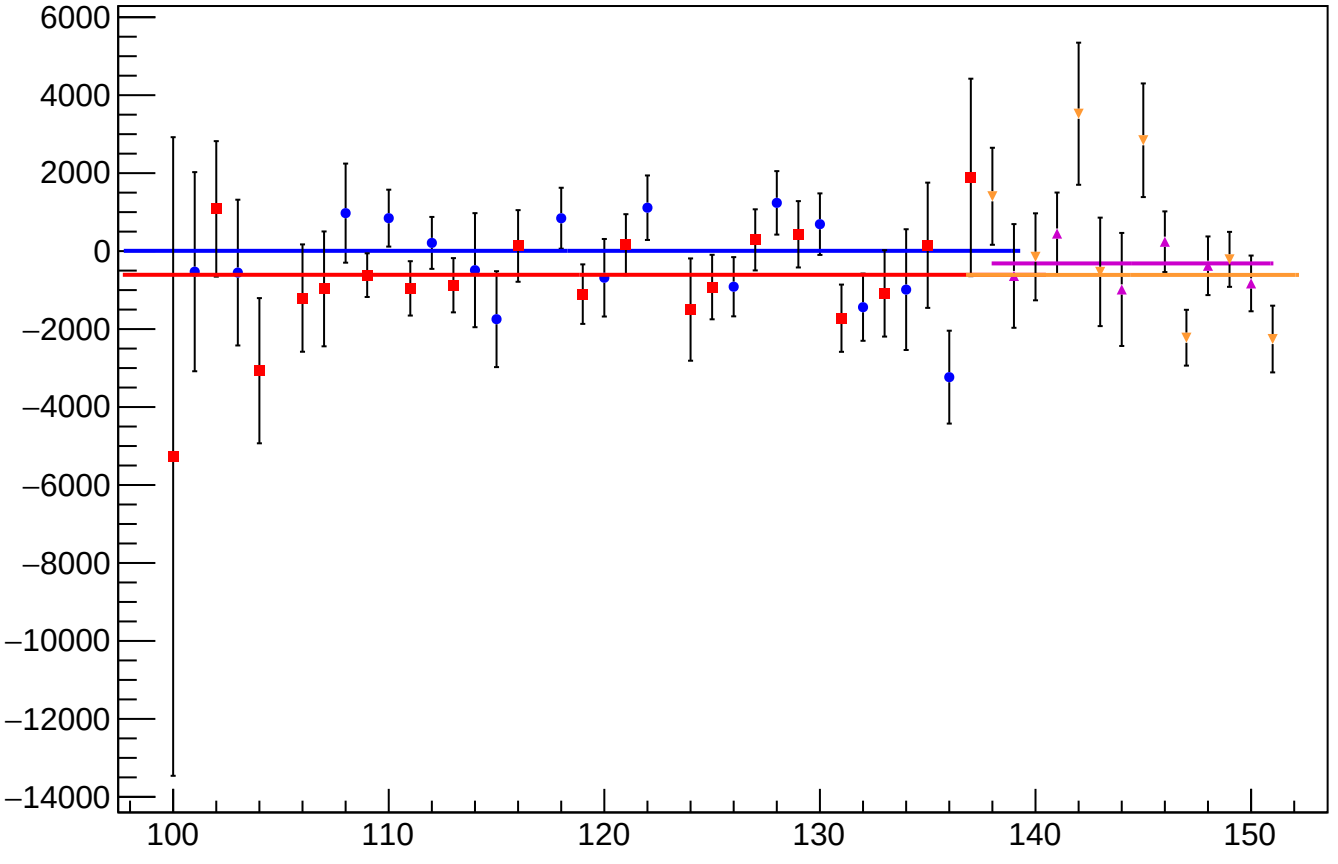
Left In: 2720.757+/-0.838 χ^2/NDF:367.4/5

+ sign 2773.422+/-0.542 χ^2/NDF: 753055.9/23

All: 2773.163+/-0.388 χ^2/NDF: 960847.3/48

- sign 2772.891+/-0.556 χ^2/NDF: 207790.9/24

asym_atr1_eigen_dit_correction_mean vs Slug



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: -610.617+/-352.148 χ^2/NDF:22.6/7

Right Out: -607.647+/-217.094 χ^2/NDF: 12.2/18

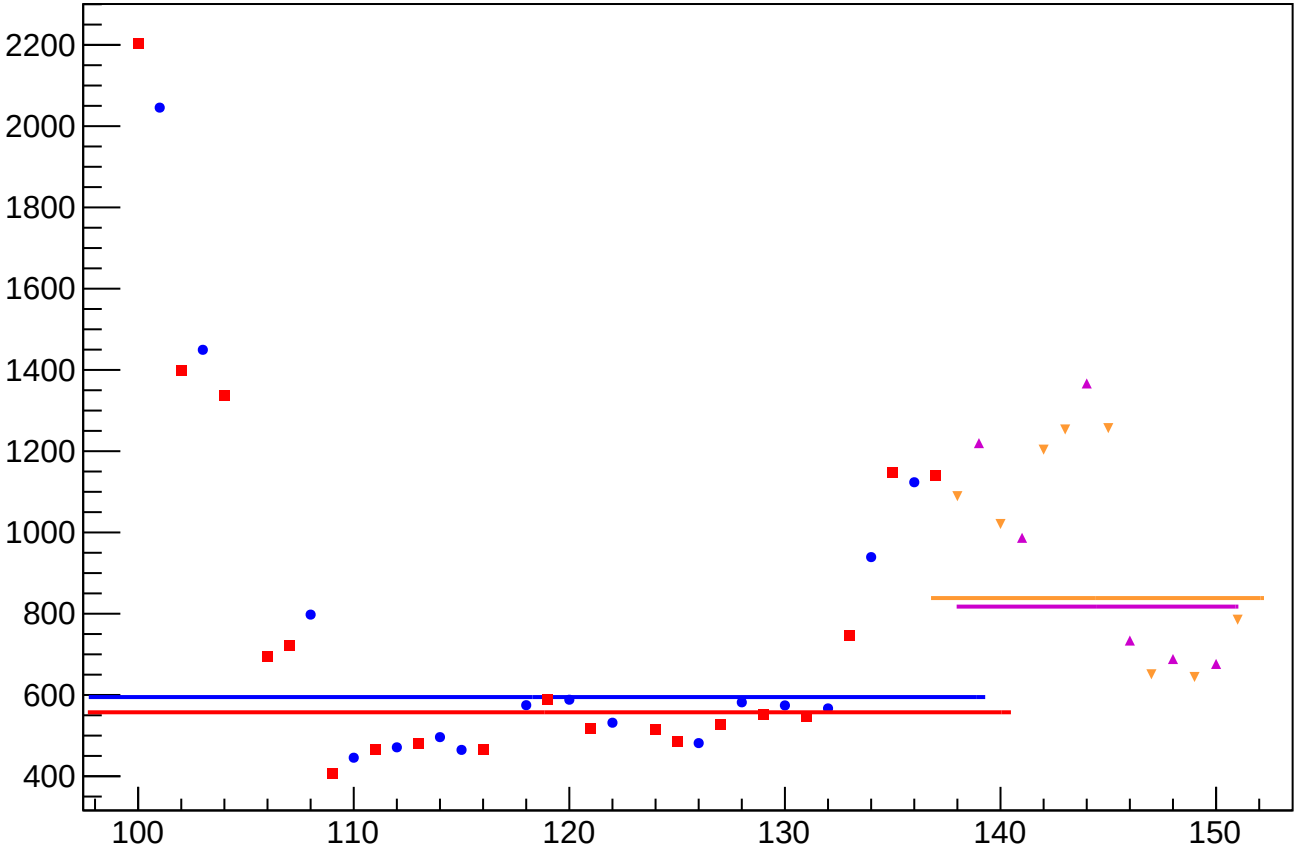
Left In: -315.816+/-369.682 χ^2/NDF:1.8/5

\+ sign -186.013+/-196.878 χ^2/NDF: 47.6/23

All: -368.145+/-135.663 χ^2/NDF: 63.6/48

\- sign -532.814+/-187.201 χ^2/NDF: 14.5/24

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 838.515+/-0.249 χ^2/NDF:854311.8/7

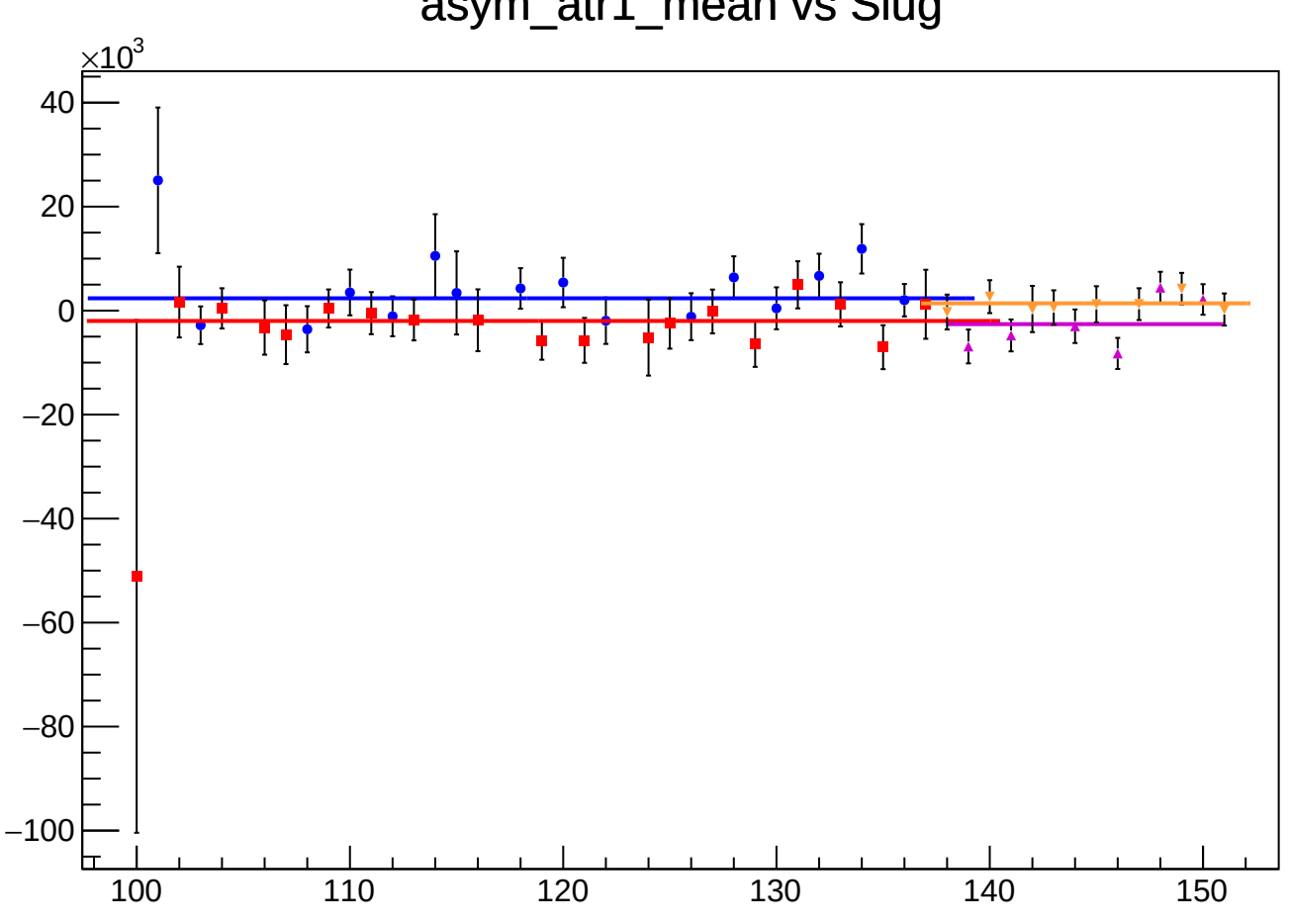
Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

Left In: 817.497+/-0.261 χ^2/NDF:681495.4/5

+ sign 671.017+/-0.139 χ^2/NDF: 3365175.6/23

All: 646.374+/-0.096 χ^2/NDF: 6473814.8/48

- sign 624.093+/-0.132 χ^2/NDF: 3048973.2/24



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 1399.096+/-1167.209 χ^2/NDF:1.5/7

Right Out: -1987.039+/-1075.310 χ^2/NDF: 10.3/18

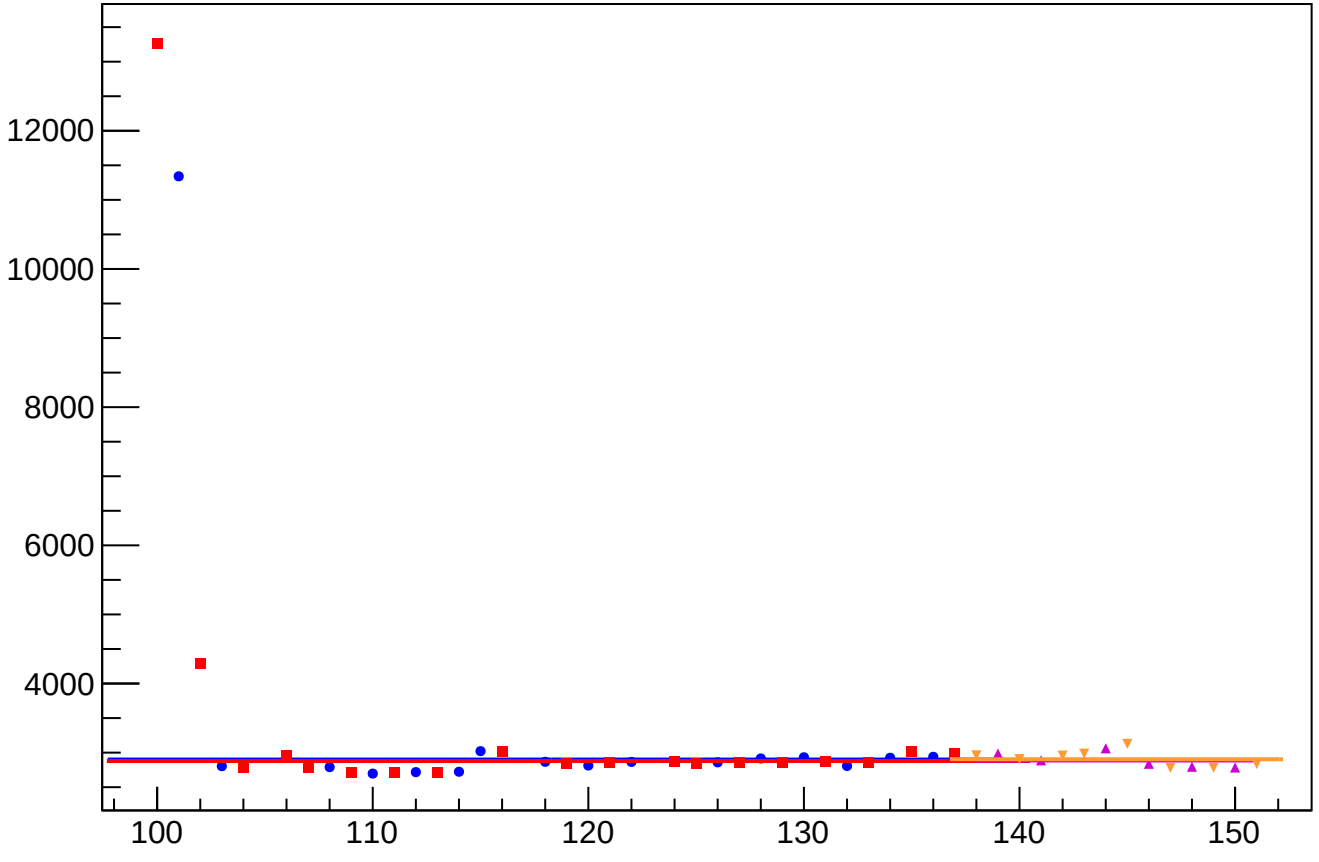
Left In: -2601.908+/-1257.893 χ^2/NDF:13.7/5

+ sign 1909.094+/-802.905 χ^2/NDF: 18.7/23

All: -131.702+/-572.782 χ^2/NDF: 56.1/48

- sign -2246.650+/-817.361 χ^2/NDF: 24.2/24

asym_atr1_rms vs Slug



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2903.964+/-0.825 χ^2/NDF:17780.0/7

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

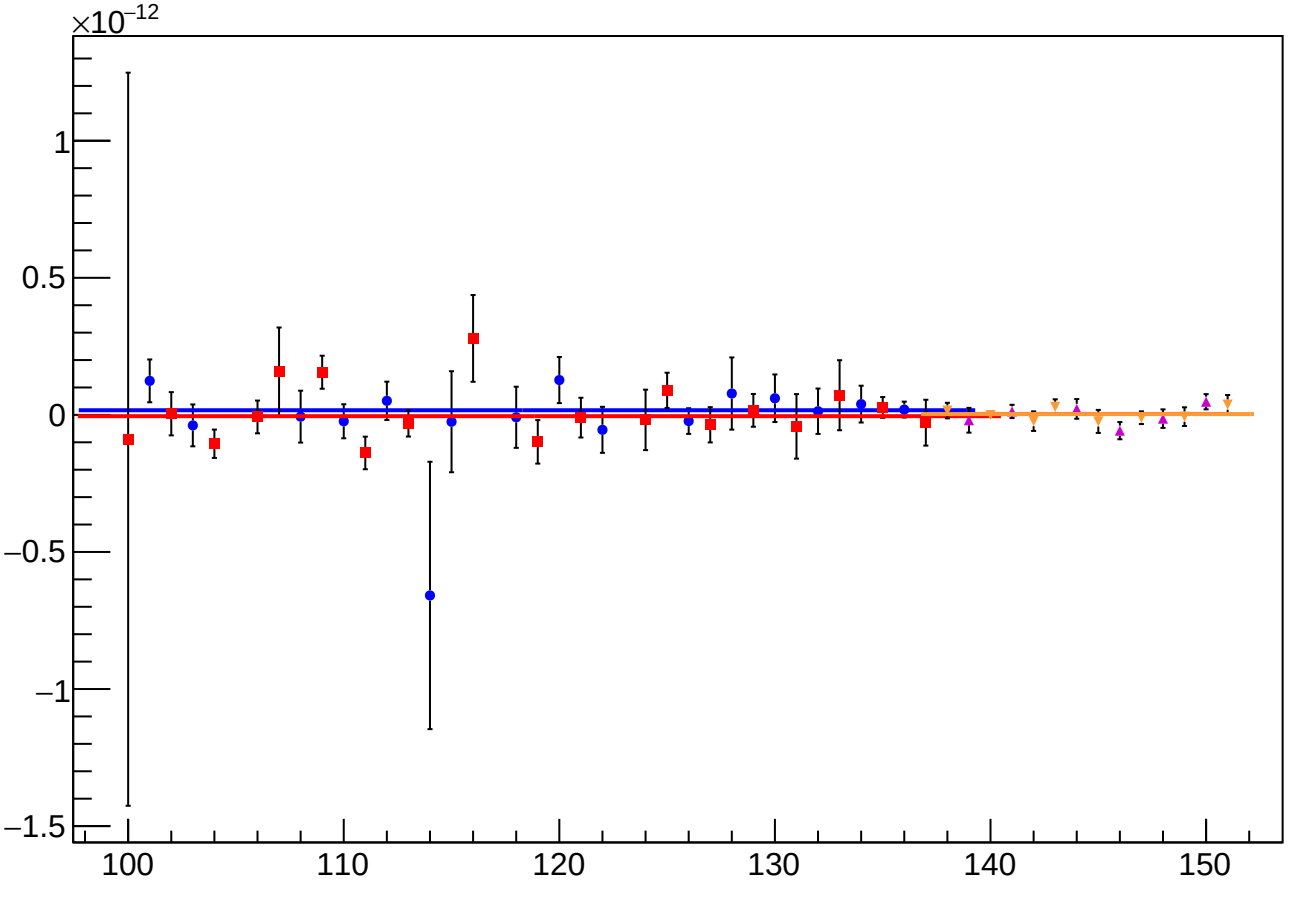
Left In: 2886.251+/-0.889 χ^2/NDF:12533.0/5

\+ sign 2901.785+/-0.568 χ^2/NDF: 759611.4/23

All: 2892.087+/-0.405 χ^2/NDF: 966059.9/48

\- sign 2882.037+/-0.578 χ^2/NDF: 205854.3/24

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:3.4/7

Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

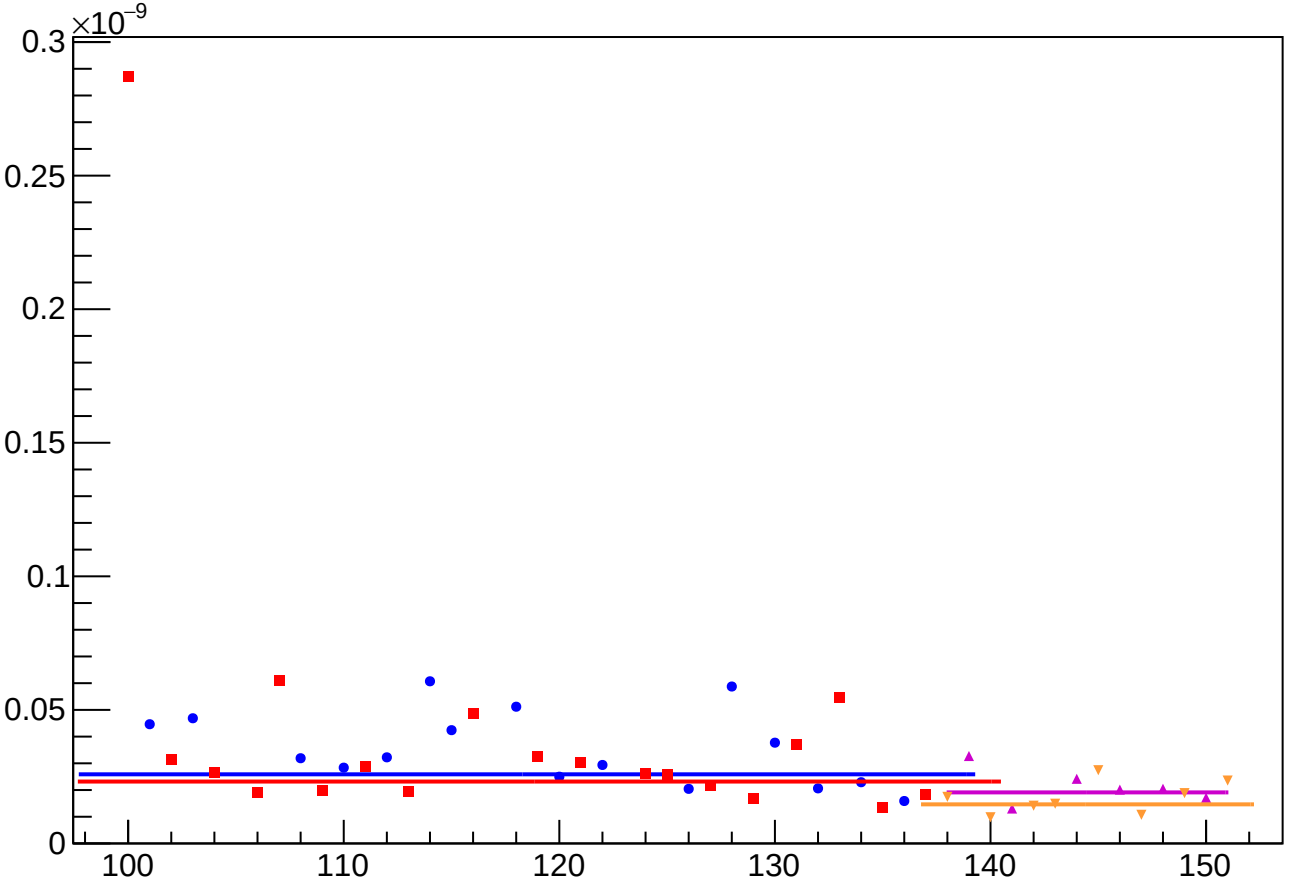
Left In: 0.000+/-0.000 χ^2/NDF:7.3/5

+ sign 0.000+/-0.000 χ^2/NDF: 12.8/23

All: 0.000+/-0.000 χ^2/NDF: 46.2/48

- sign 0.000+/-0.000 χ^2/NDF: 33.2/24

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:558602.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

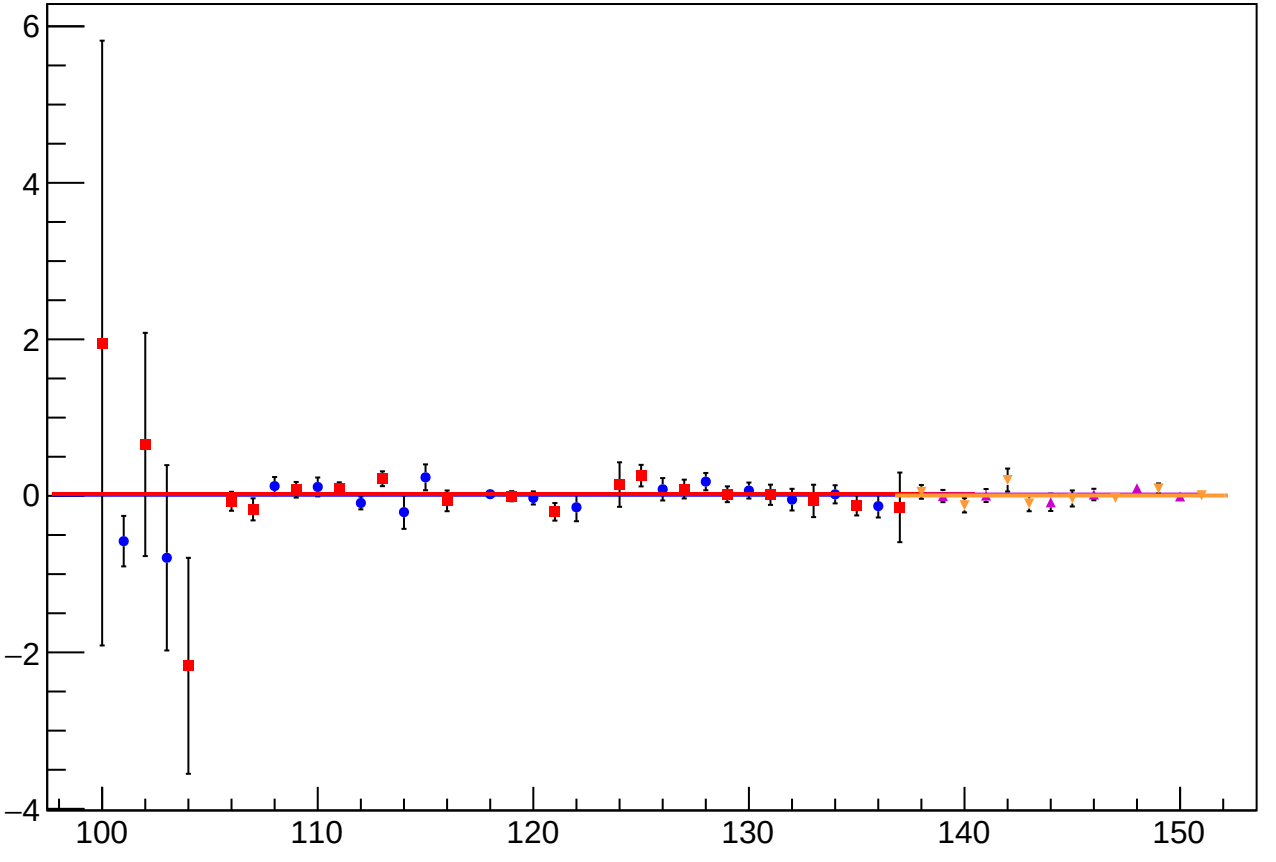
Left In: 0.000+/-0.000 χ^2/NDF:362442.8/5

+ sign 0.000+/-0.000 χ^2/NDF: 2087959.7/23

All: 0.000+/-0.000 χ^2/NDF: 3344145.5/48

- sign 0.000+/-0.000 χ^2/NDF: 1132029.2/24

asym_atr1_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.005+/-0.028 χ^2/NDF:7.3/7

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

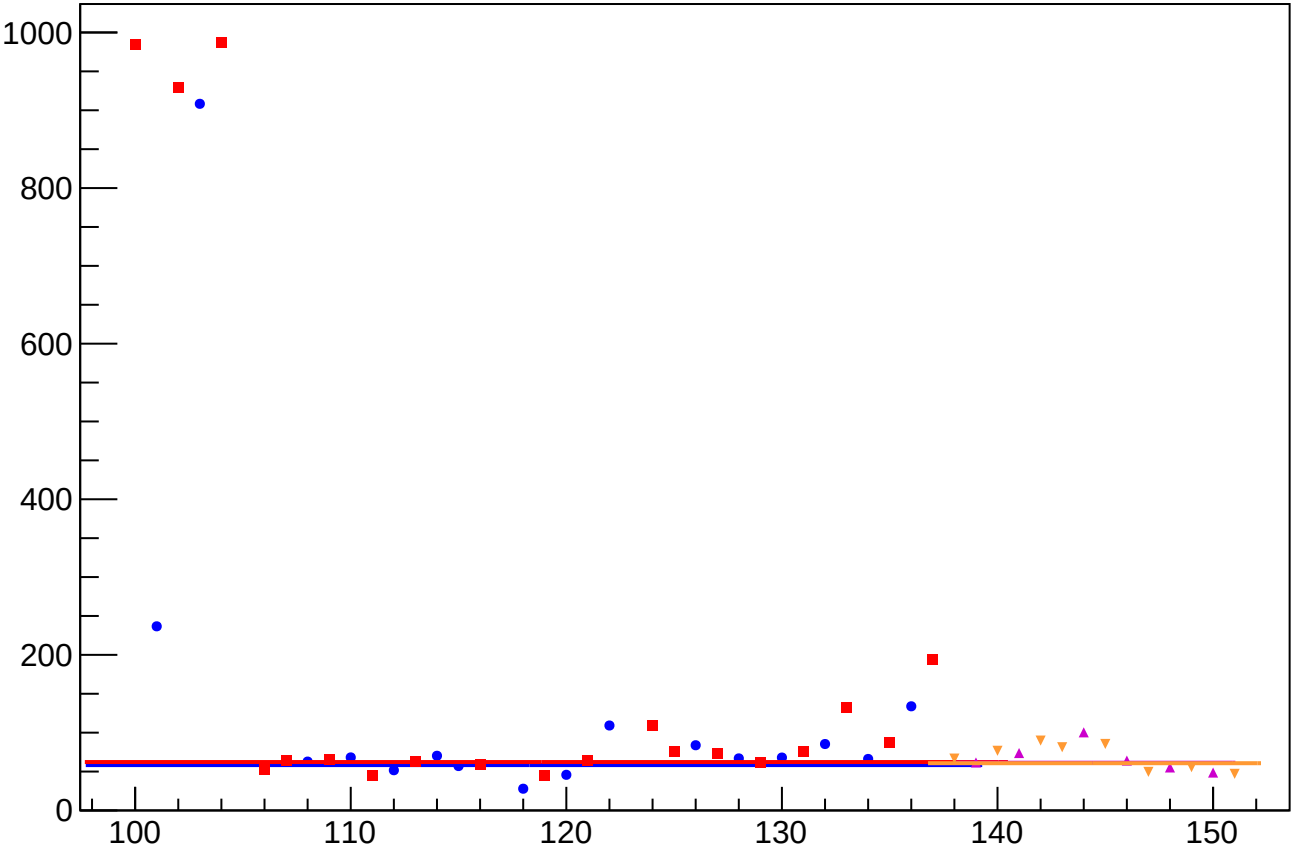
Left In: 0.016+/-0.030 χ^2/NDF:2.7/5

+ sign 0.010+/-0.020 χ^2/NDF: 22.4/23

All: 0.015+/-0.014 χ^2/NDF: 46.1/48

- sign 0.020+/-0.020 χ^2/NDF: 23.5/24

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 60.736+/-0.020 χ^2/NDF:543748.2/7

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

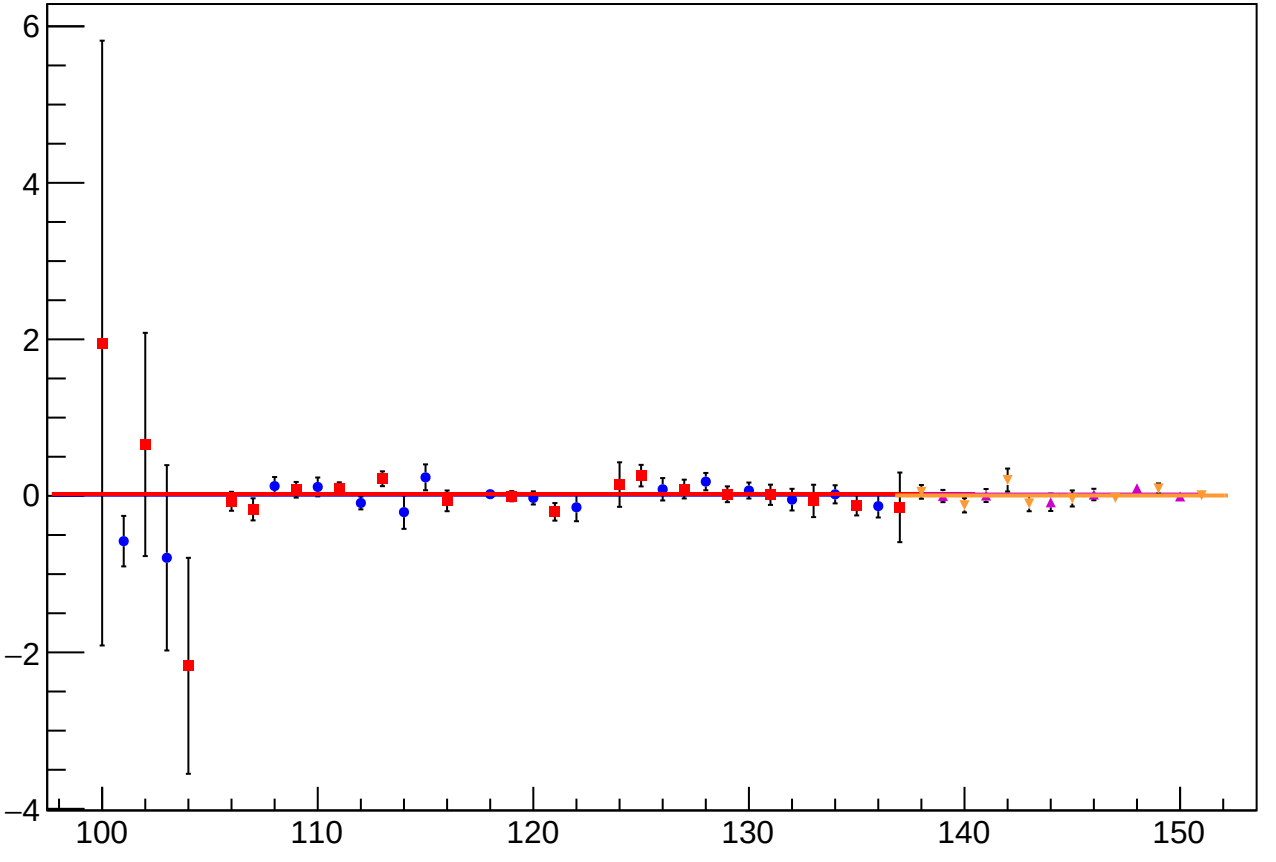
Left In: 61.353+/-0.021 χ^2/NDF:413551.0/5

+ sign 59.534+/-0.014 χ^2/NDF: 3811794.8/23

All: 60.633+/-0.010 χ^2/NDF: 6866379.8/48

- sign 61.818+/-0.014 χ^2/NDF: 3041518.5/24

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.005+/-0.028 χ^2/NDF:7.3/7

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

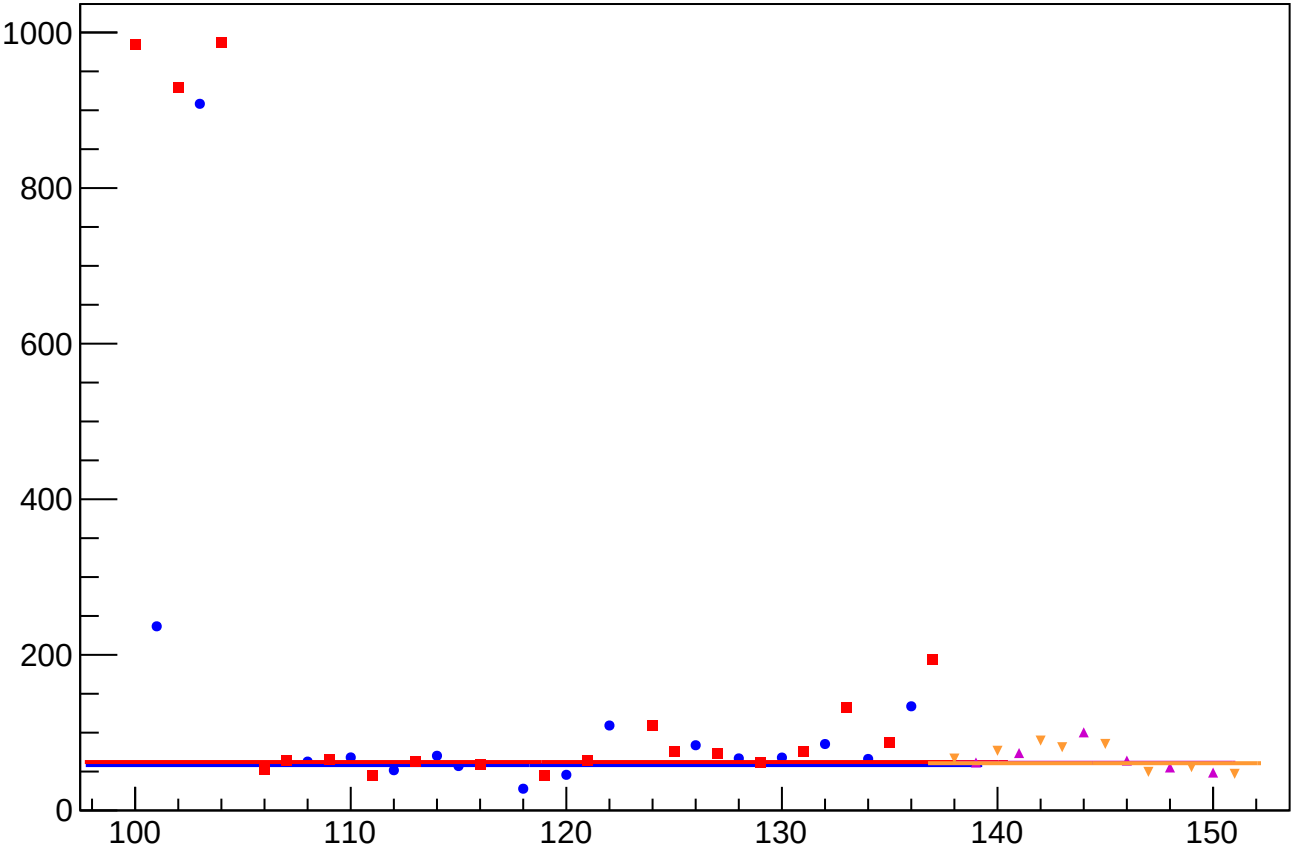
Left In: 0.016+/-0.030 χ^2/NDF:2.7/5

+ sign 0.010+/-0.020 χ^2/NDF: 22.4/23

All: 0.015+/-0.014 χ^2/NDF: 46.1/48

- sign 0.020+/-0.020 χ^2/NDF: 23.5/24

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 60.736+/-0.020 χ^2/NDF:543748.2/7

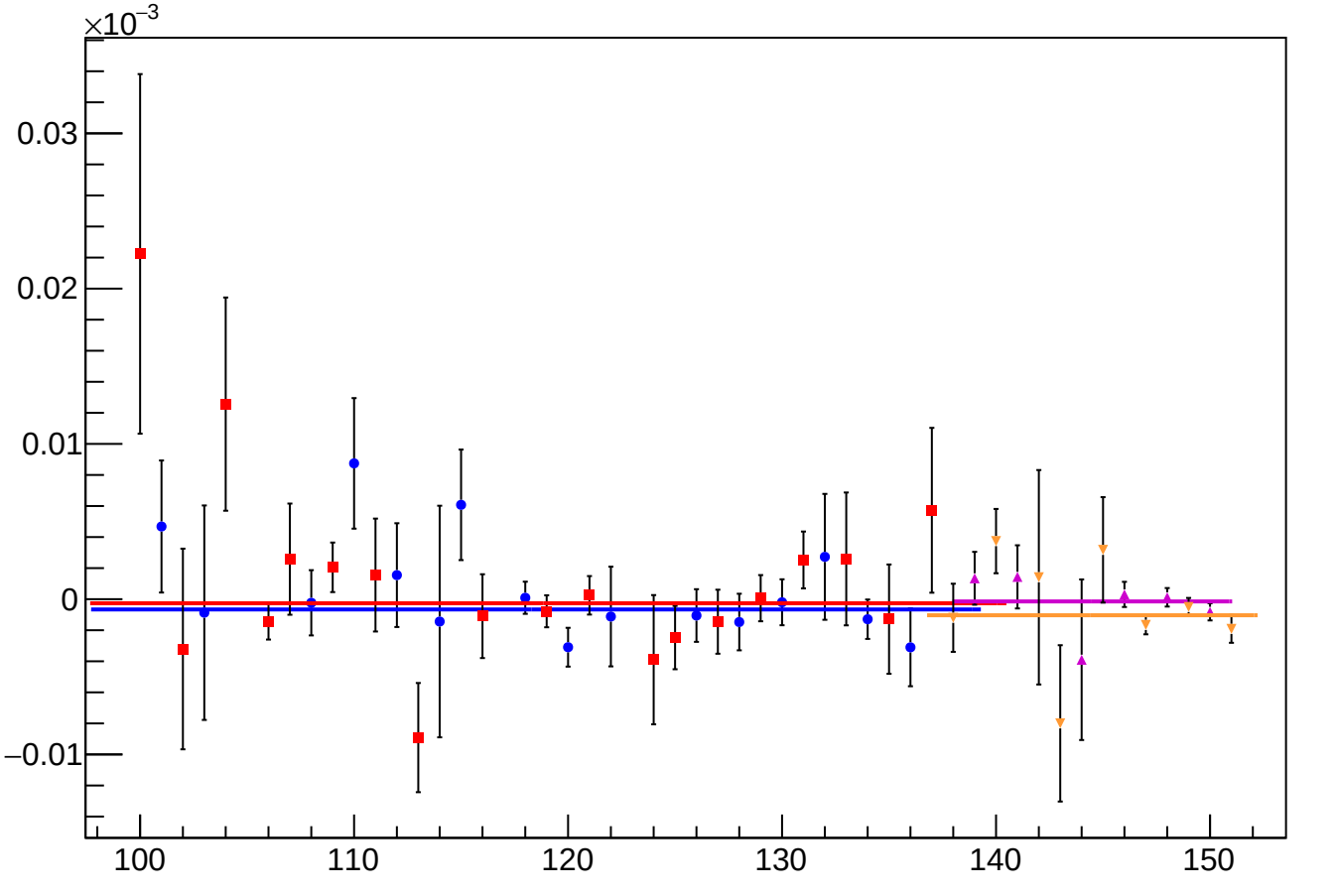
Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 61.353+/-0.021 χ^2/NDF:413551.0/5

+ sign 59.534+/-0.014 χ^2/NDF: 3811794.8/23

All: 60.633+/-0.010 χ^2/NDF: 6866379.8/48

- sign 61.818+/-0.014 χ^2/NDF: 3041518.5/24



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.7/7

Right Out: -0.000+/-0.000 χ^2/NDF: 24.6/18

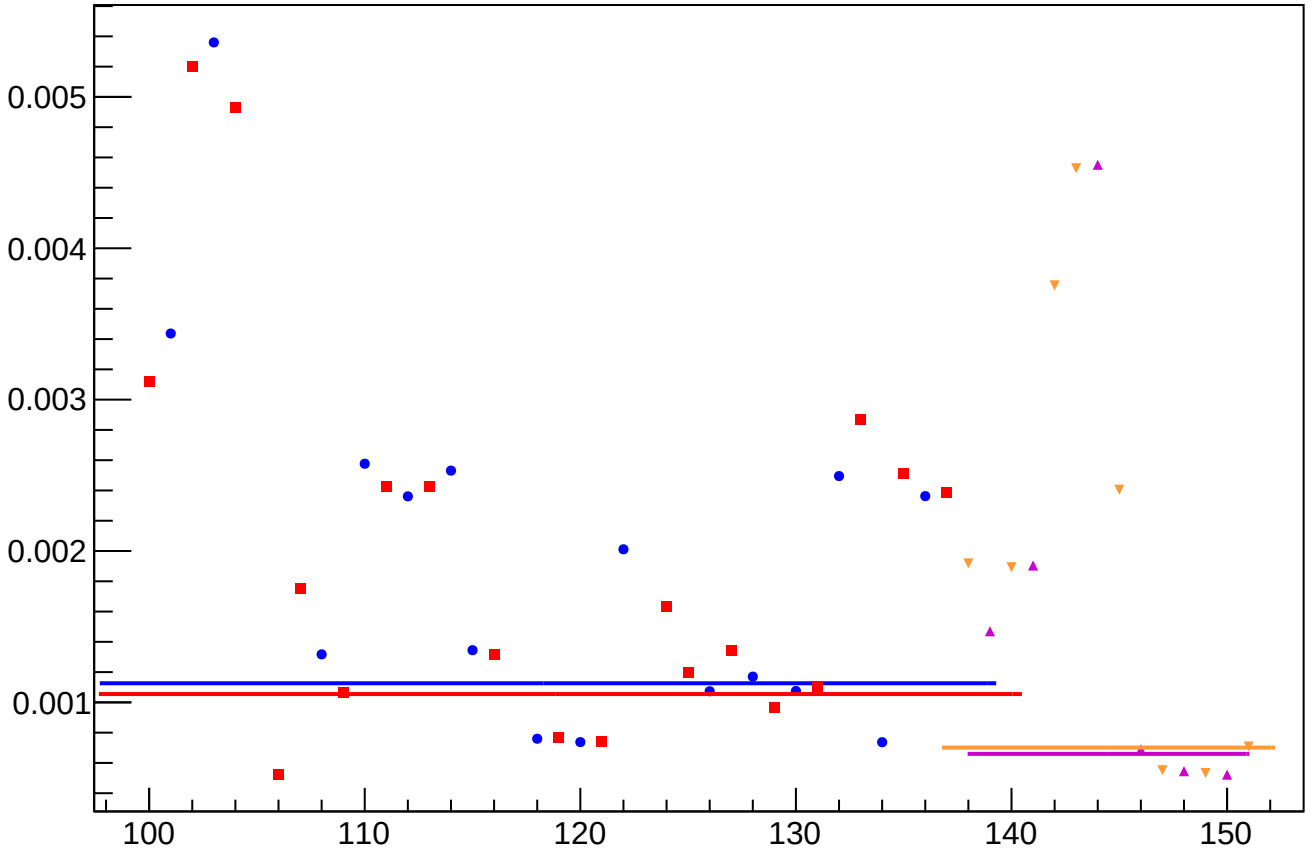
Left In: -0.000+/-0.000 χ^2/NDF:3.9/5

+ sign -0.000+/-0.000 χ^2/NDF: 29.3/23

All: -0.000+/-0.000 χ^2/NDF: 61.0/48

- sign -0.000+/-0.000 χ^2/NDF: 28.5/24

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:3615651.4/7

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

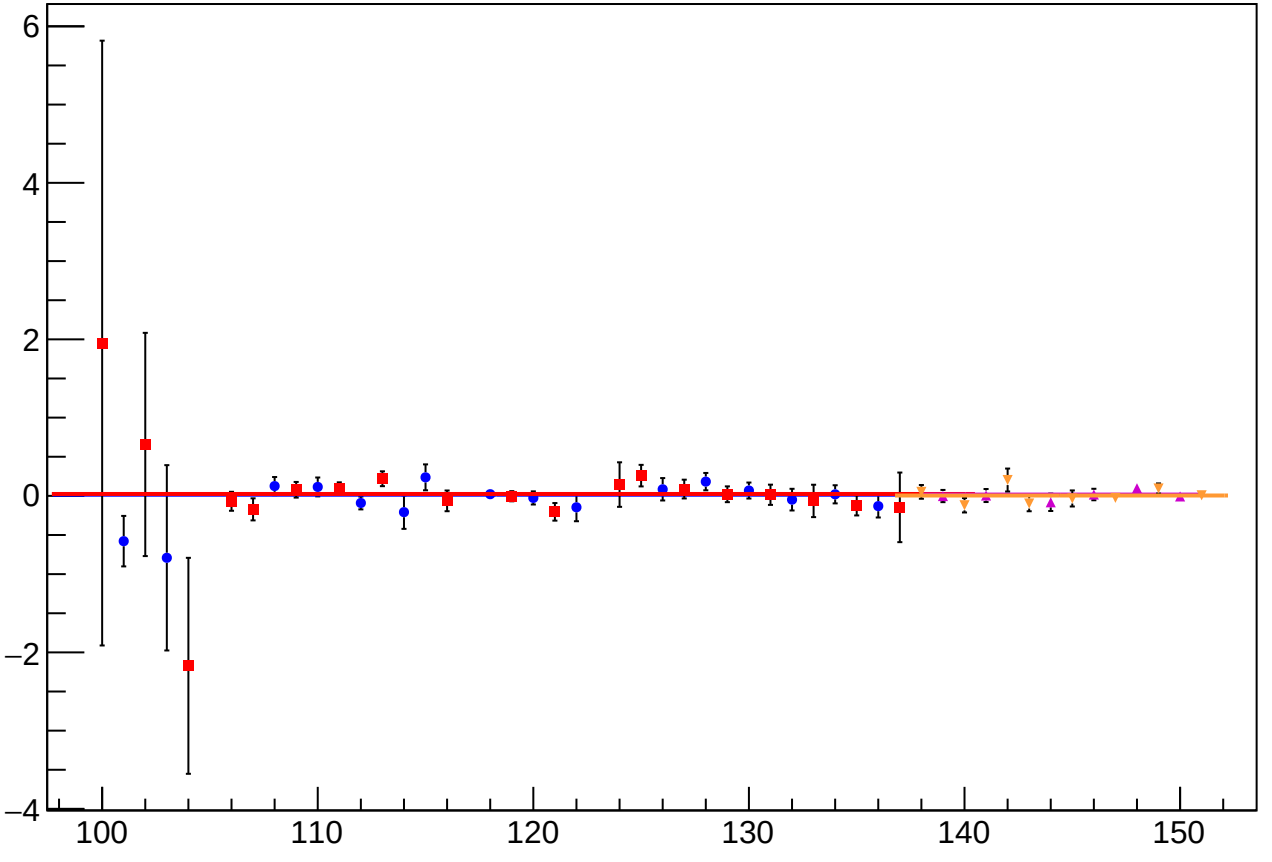
Left In: 0.001+/-0.000 χ^2/NDF:2534764.1/5

+ sign 0.001+/-0.000 χ^2/NDF: 8034403.9/23

All: 0.001+/-0.000 χ^2/NDF: 15374940.4/48

- sign 0.001+/-0.000 χ^2/NDF: 7308467.5/24

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.005+/-0.028 χ^2/NDF:7.3/7

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

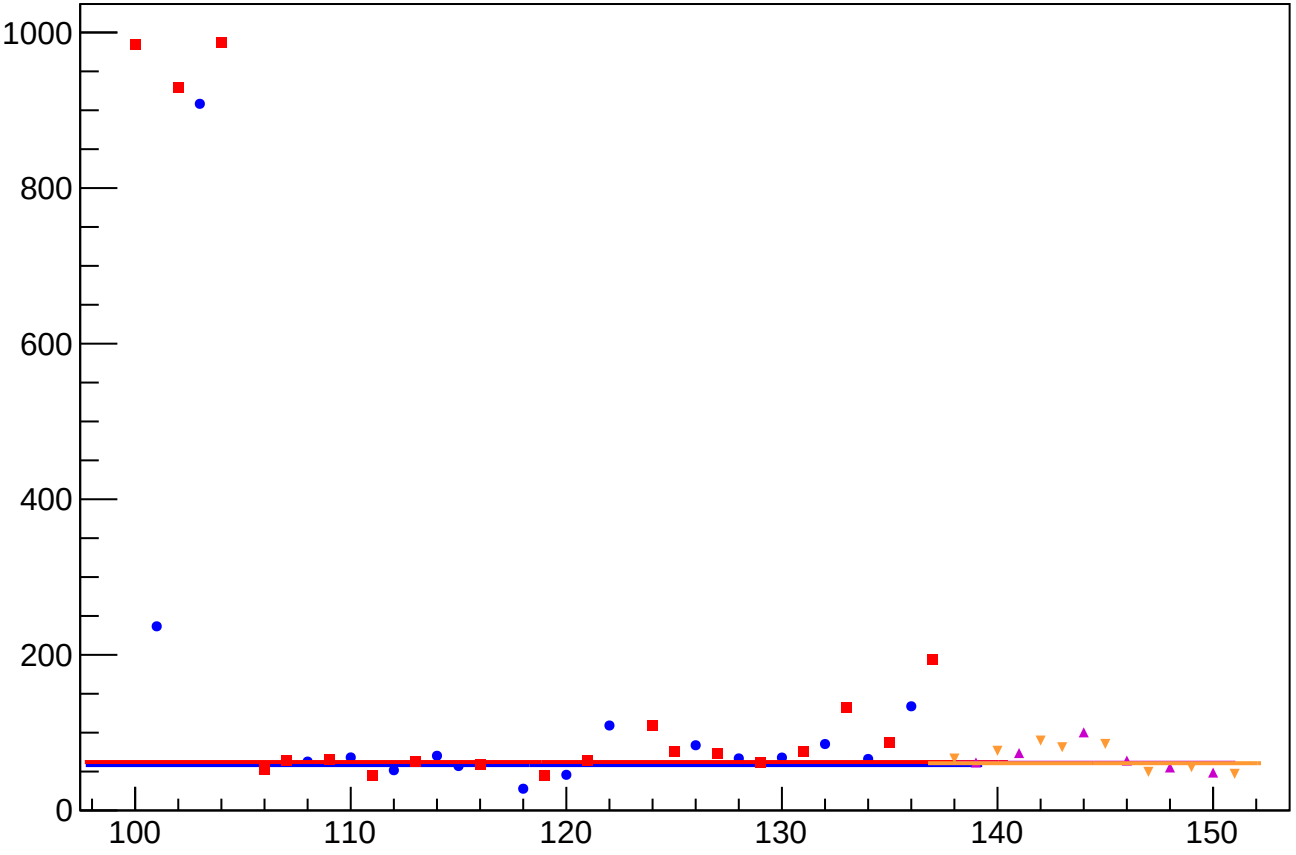
Left In: 0.016+/-0.030 χ^2/NDF:2.7/5

+ sign 0.010+/-0.020 χ^2/NDF: 22.4/23

All: 0.015+/-0.014 χ^2/NDF: 46.1/48

- sign 0.020+/-0.020 χ^2/NDF: 23.5/24

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 60.735+/-0.020 χ^2/NDF:543755.0/7

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

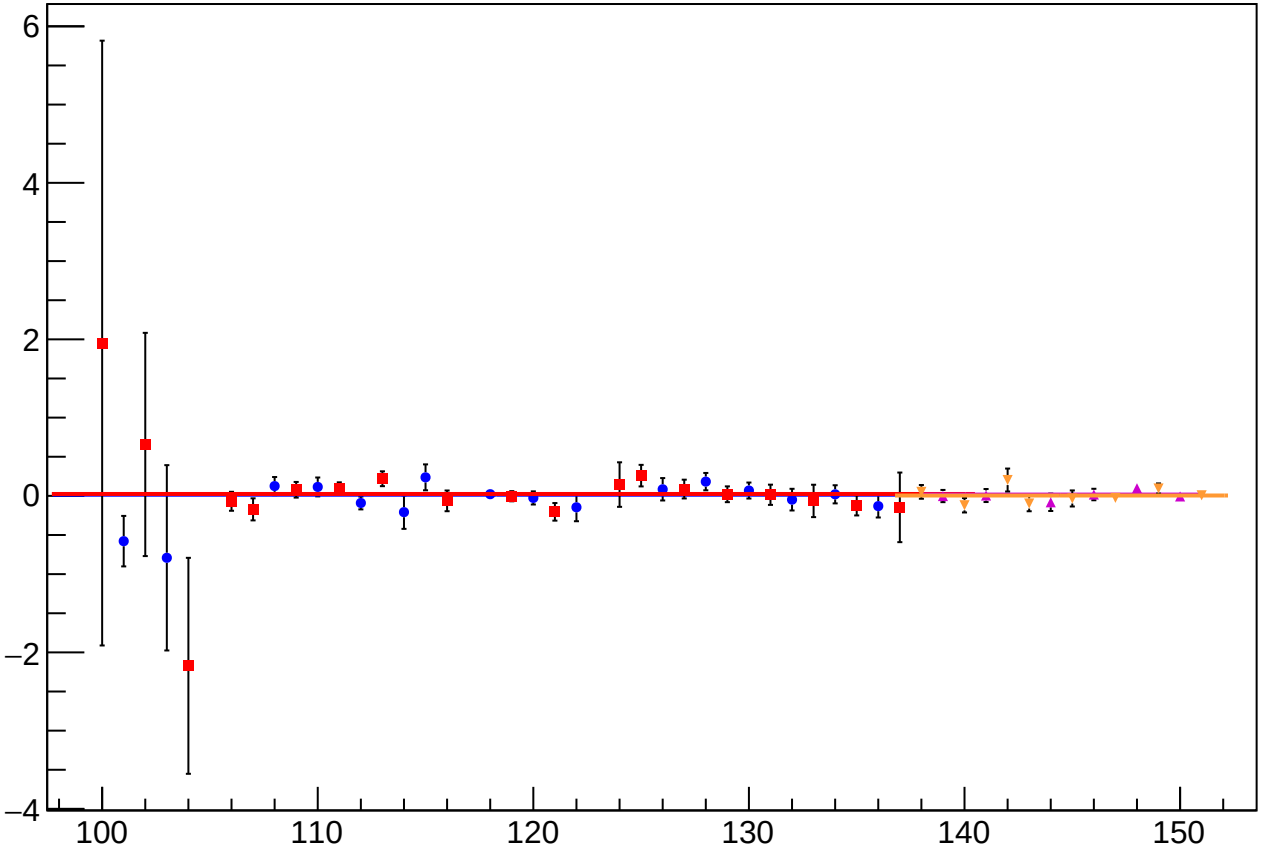
Left In: 61.353+/-0.021 χ^2/NDF:413565.0/5

+ sign 59.534+/-0.014 χ^2/NDF: 3811883.4/23

All: 60.633+/-0.010 χ^2/NDF: 6866481.7/48

- sign 61.818+/-0.014 χ^2/NDF: 3041524.0/24

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: 0.005+/-0.028 χ^2/NDF:7.3/7

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

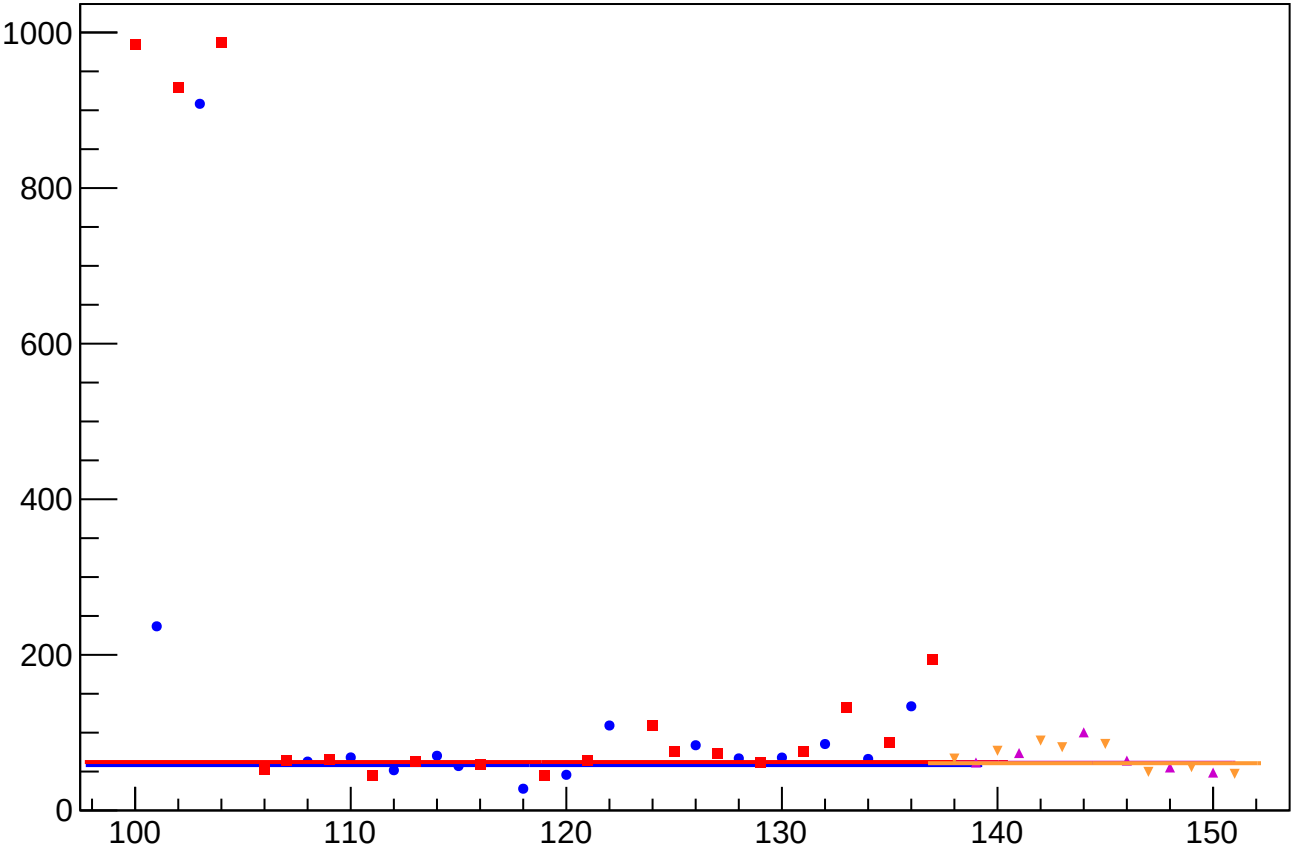
Left In: 0.016+/-0.030 χ^2/NDF:2.7/5

+ sign 0.010+/-0.020 χ^2/NDF: 22.4/23

All: 0.015+/-0.014 χ^2/NDF: 46.1/48

- sign 0.020+/-0.020 χ^2/NDF: 23.5/24

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: 60.735+/-0.020 χ^2/NDF:543755.0/7

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

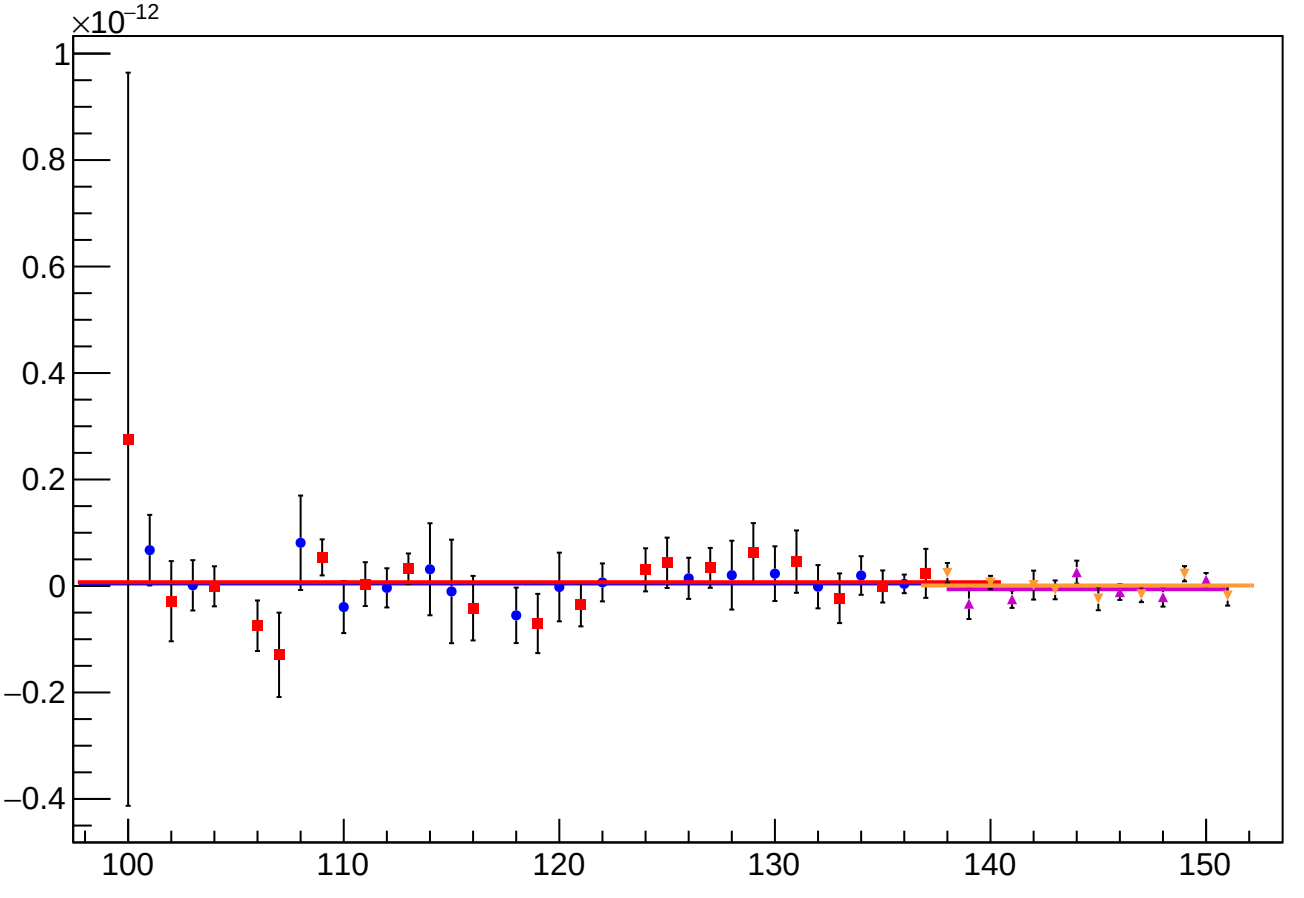
Left In: 61.353+/-0.021 χ^2/NDF:413565.0/5

+ sign 59.534+/-0.014 χ^2/NDF: 3811883.4/23

All: 60.633+/-0.010 χ^2/NDF: 6866481.7/48

- sign 61.818+/-0.014 χ^2/NDF: 3041524.0/24

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:8.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

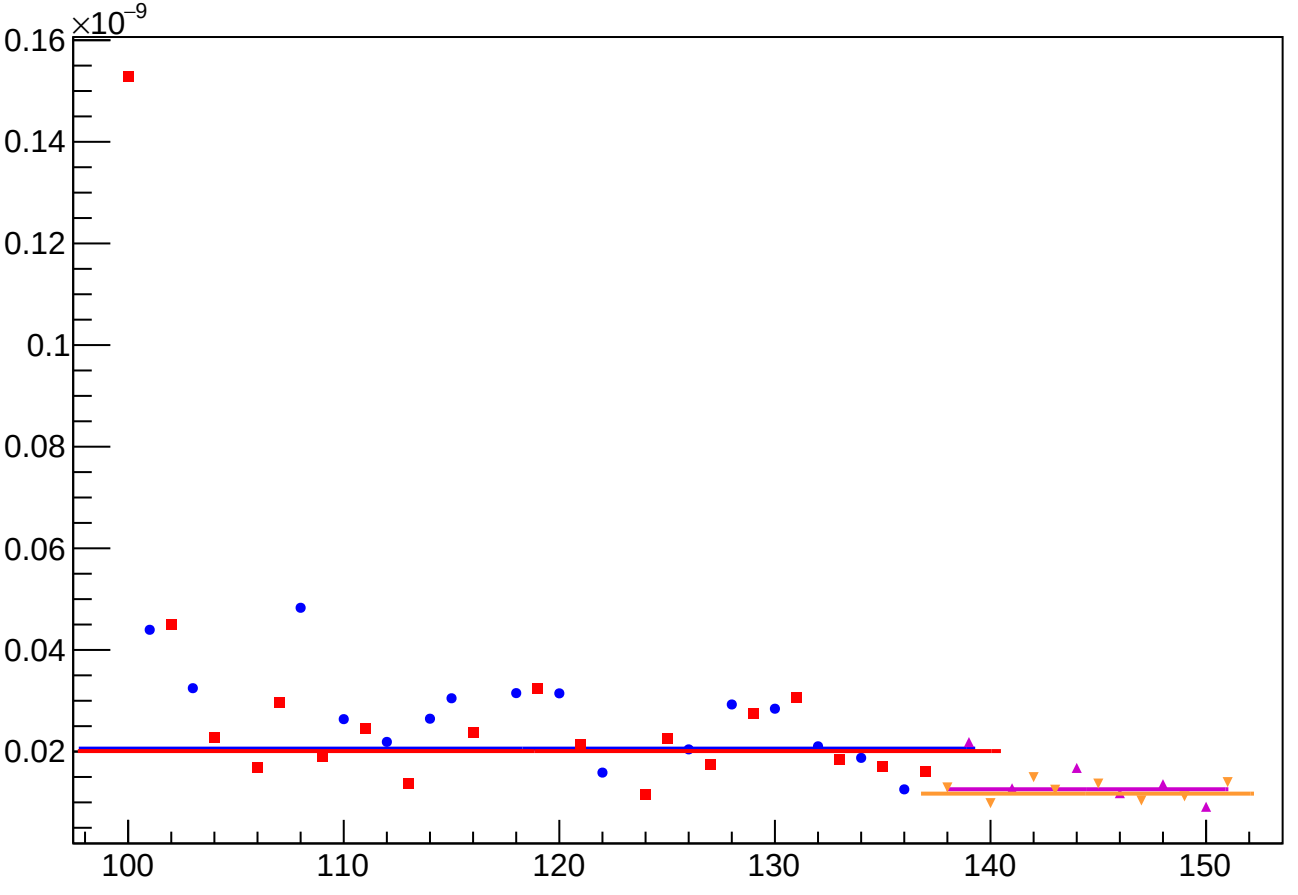
Left In: -0.000+/-0.000 χ^2/NDF:7.0/5

+ sign 0.000+/-0.000 χ^2/NDF: 12.5/23

All: 0.000+/-0.000 χ^2/NDF: 37.0/48

- sign -0.000+/-0.000 χ^2/NDF: 24.3/24

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:150001.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

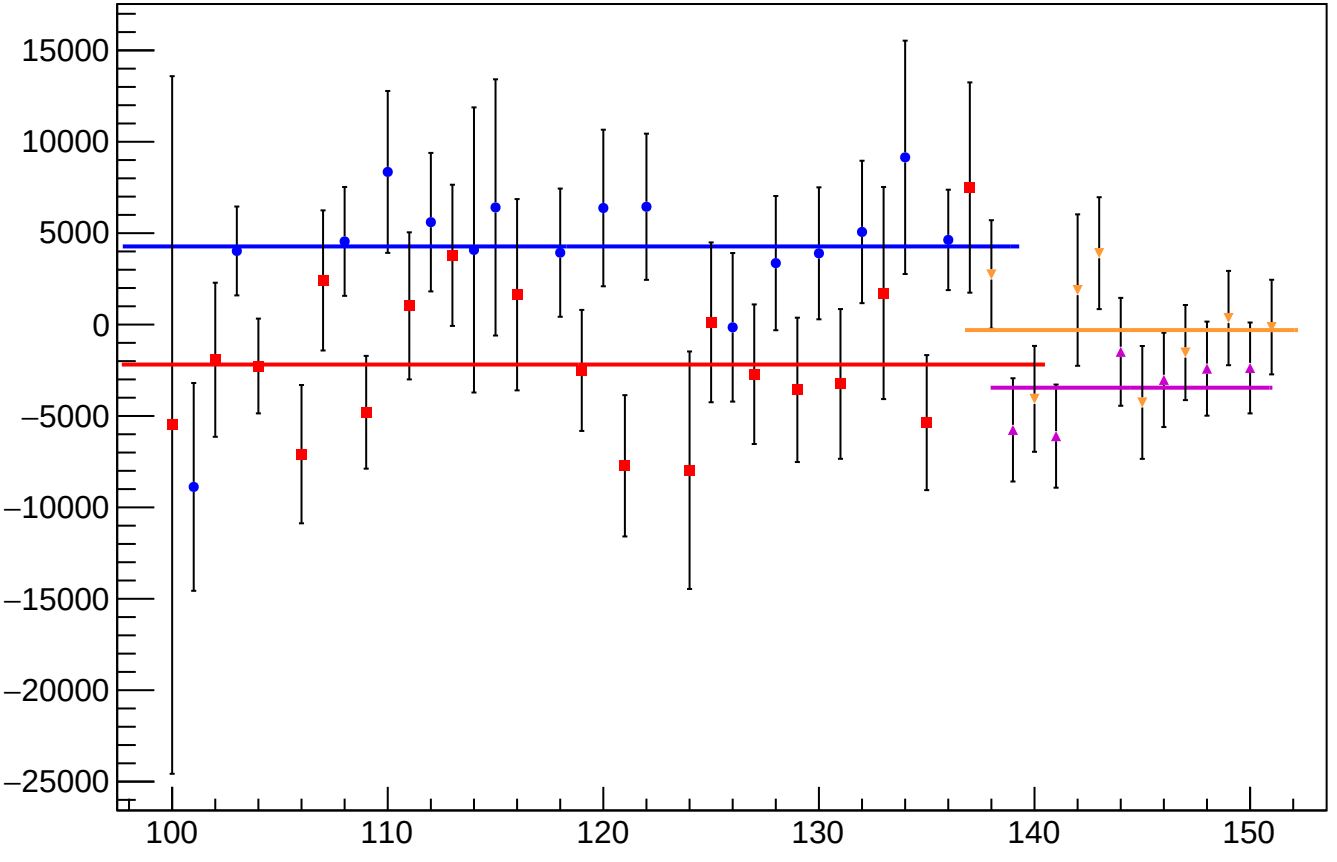
Left In: 0.000+/-0.000 χ^2/NDF:434241.8/5

+ sign 0.000+/-0.000 χ^2/NDF: 2585931.5/23

All: 0.000+/-0.000 χ^2/NDF: 4618010.7/48

- sign 0.000+/-0.000 χ^2/NDF: 1995511.5/24

reg_asym_atr2_mean vs Slug



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: -300.868+/-1025.953 χ^2/NDF:6.8/7

Right Out: -2186.264+/-922.104 χ^2/NDF: 14.8/18

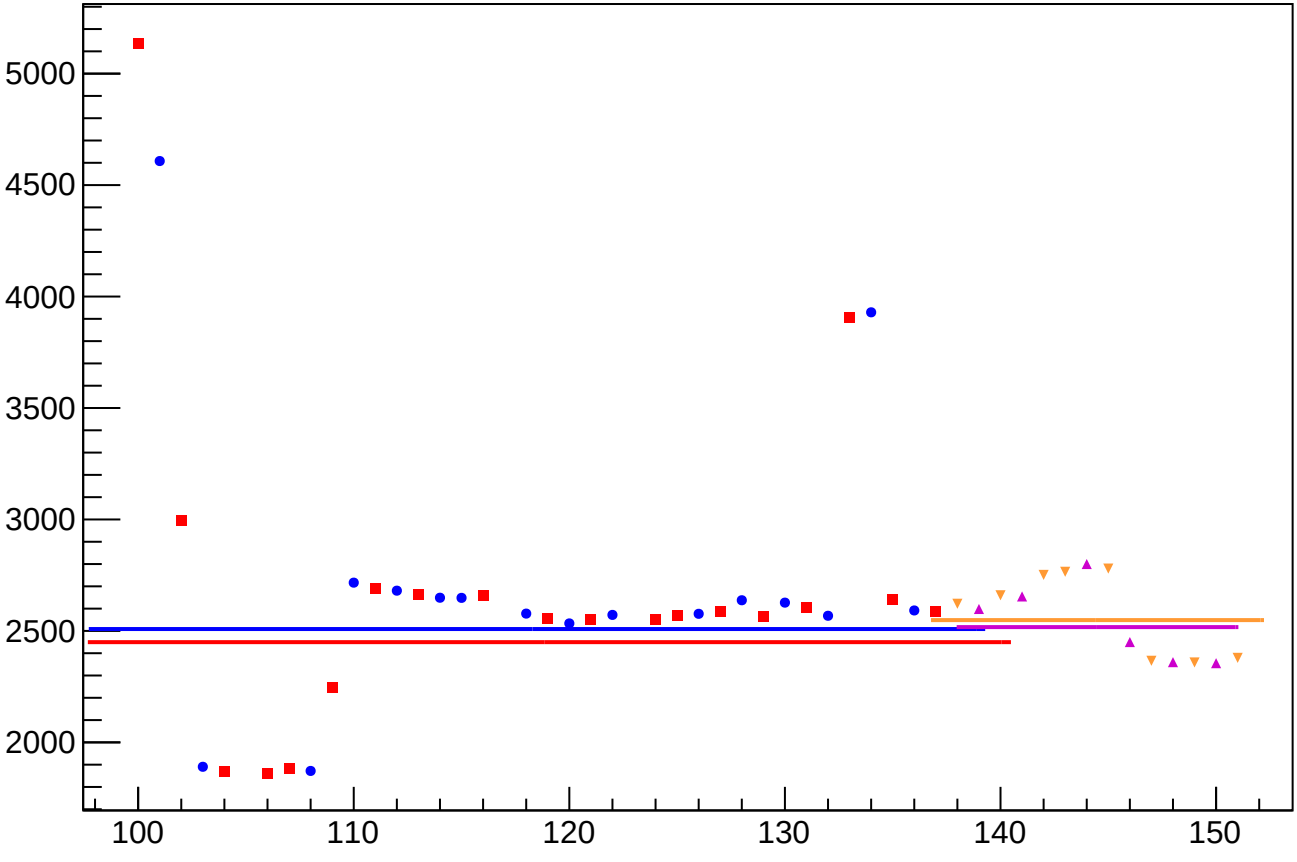
Left In: -3453.062+/-1098.449 χ^2/NDF:2.4/5

+ sign 2157.692+/-697.829 χ^2/NDF: 26.4/23

All: -246.942+/-496.389 χ^2/NDF: 68.4/48

- sign -2709.938+/-706.247 χ^2/NDF: 18.0/24

reg_asym_atr2_rms vs Slug



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2548.509+/-0.725 χ^2/NDF:59466.0/7

Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

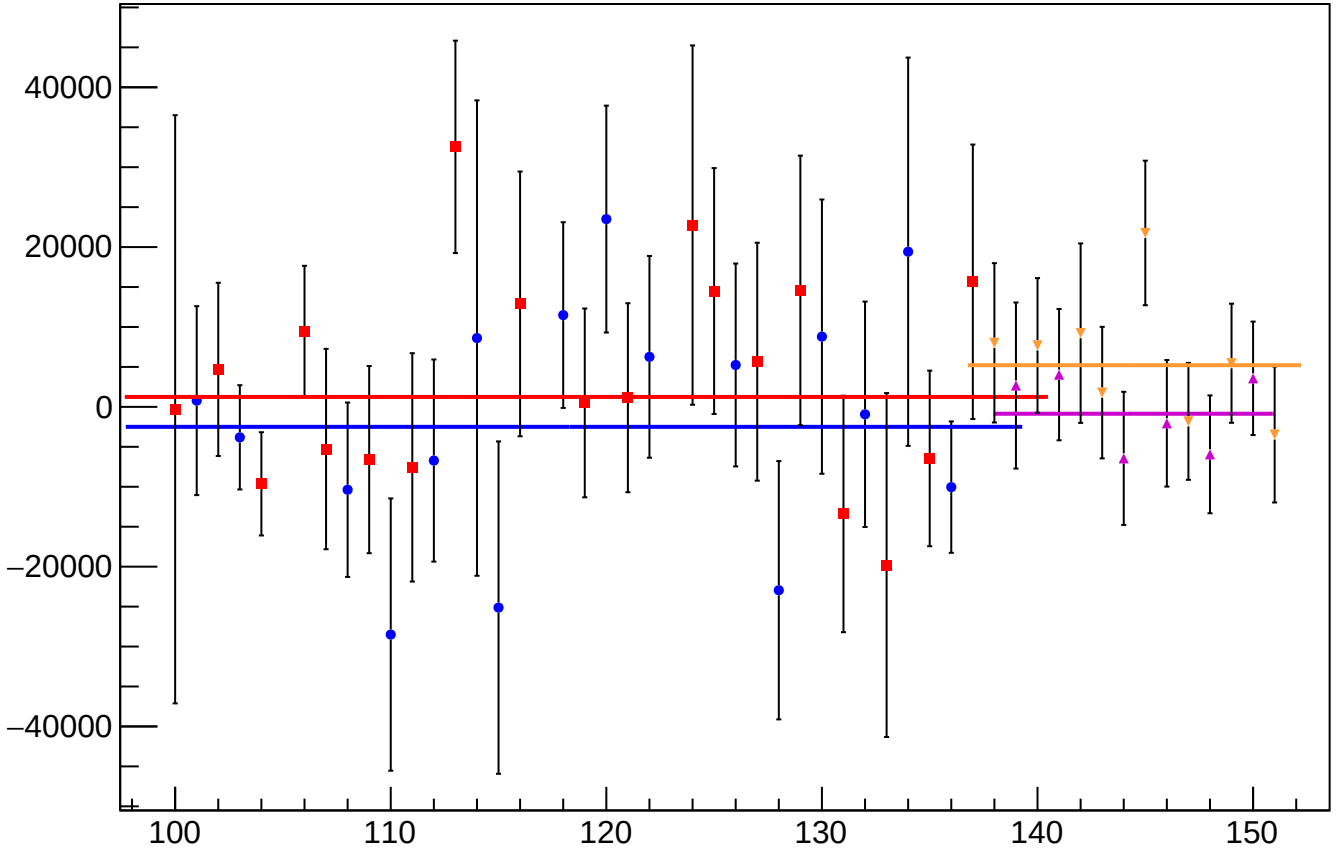
Left In: 2517.092+/-0.777 χ^2/NDF:42095.6/5

+ sign 2526.992+/-0.493 χ^2/NDF: 672692.8/23

All: 2502.549+/-0.351 χ^2/NDF: 1161082.7/48

- sign 2477.513+/-0.499 χ^2/NDF: 483422.9/24

asym_atr2_reg_correction_mean vs Slug



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 5215.502+/-3021.476 χ^2/NDF:5.8/7

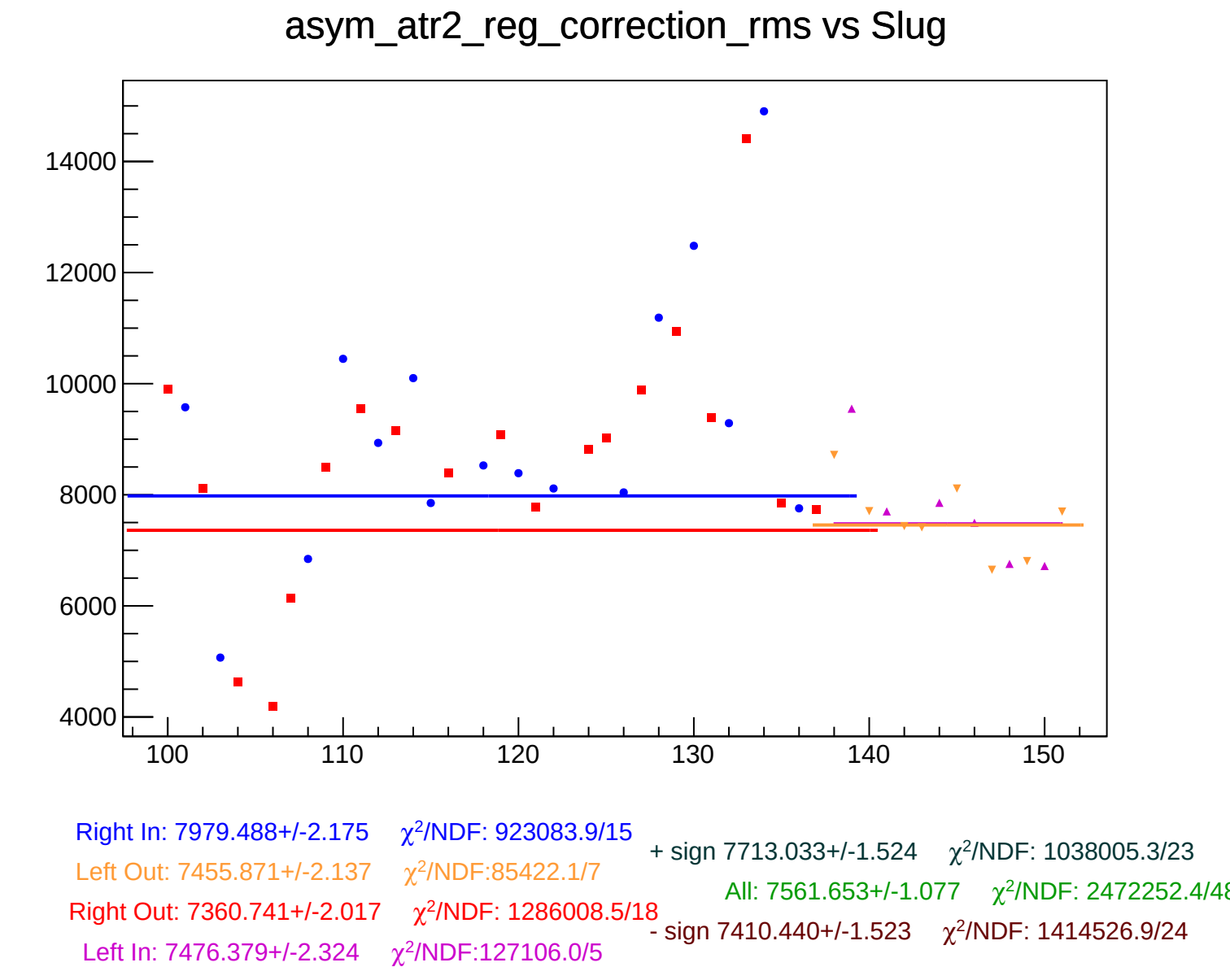
Right Out: 1244.352+/-2852.739 χ^2/NDF: 16.6/18

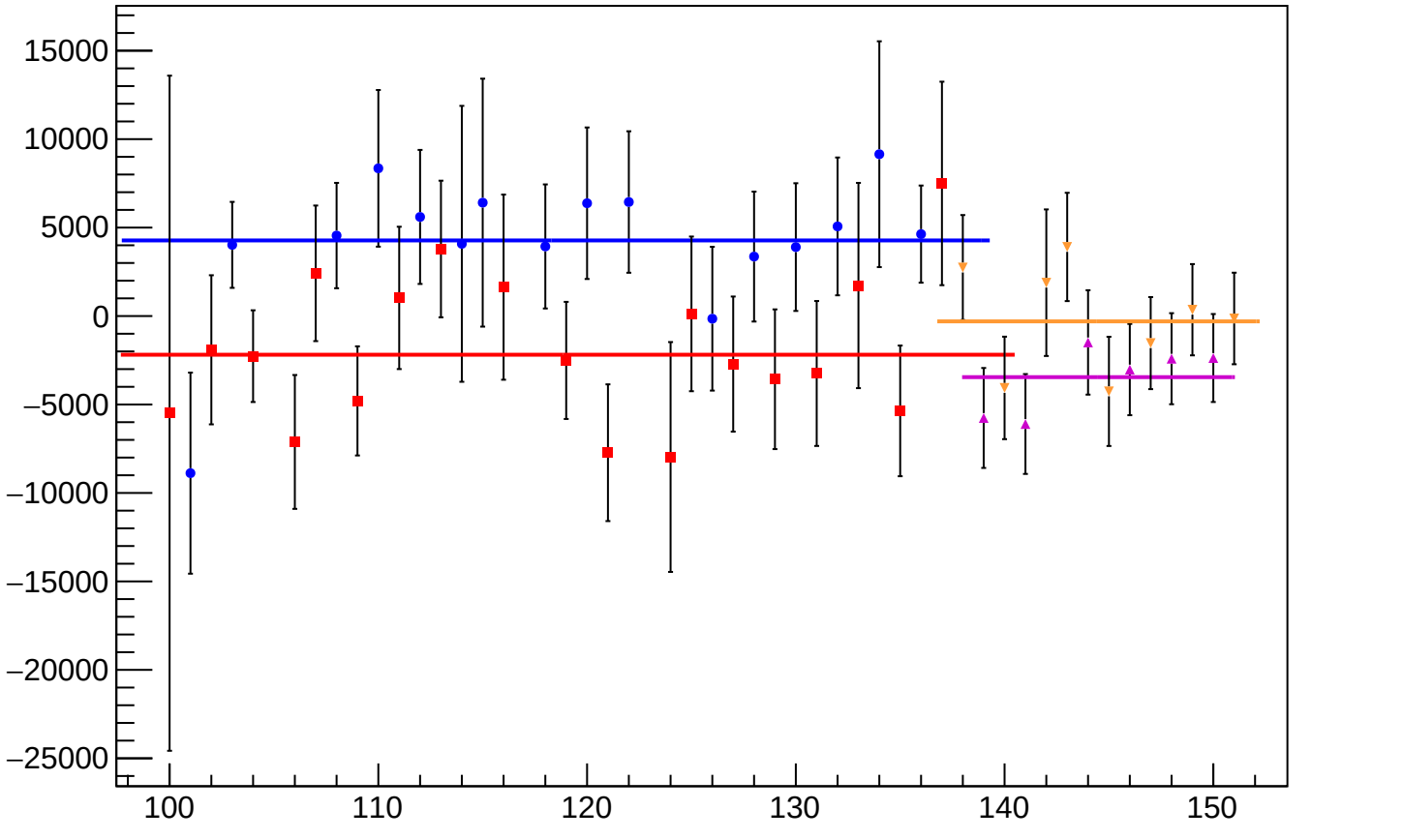
Left In: -859.111+/-3285.965 χ^2/NDF:1.8/5

+ sign 1425.915+/-2155.380 χ^2/NDF: 22.7/23

All: 882.824+/-1523.664 χ^2/NDF: 41.5/48

- sign 340.333+/-2154.192 χ^2/NDF: 18.6/24


asym_atr2_reg_correction_rms vs Slug
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
Right In: 7979.488+/-2.175 χ²/NDF: 923083.9/15
Left Out: 7455.871+/-2.137 χ²/NDF:85422.1/7
Right Out: 7360.741+/-2.017 χ²/NDF: 1286008.5/18
Left In: 7476.379+/-2.324 χ²/NDF:127106.0/5
+ sign 7713.033+/-1.524 χ²/NDF: 1038005.3/23
All: 7561.653+/-1.077 χ²/NDF: 2472252.4/48
- sign 7410.440+/-1.523 χ²/NDF: 1414526.9/24



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: -301.028+/-1025.953 χ^2/NDF:6.8/7

Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

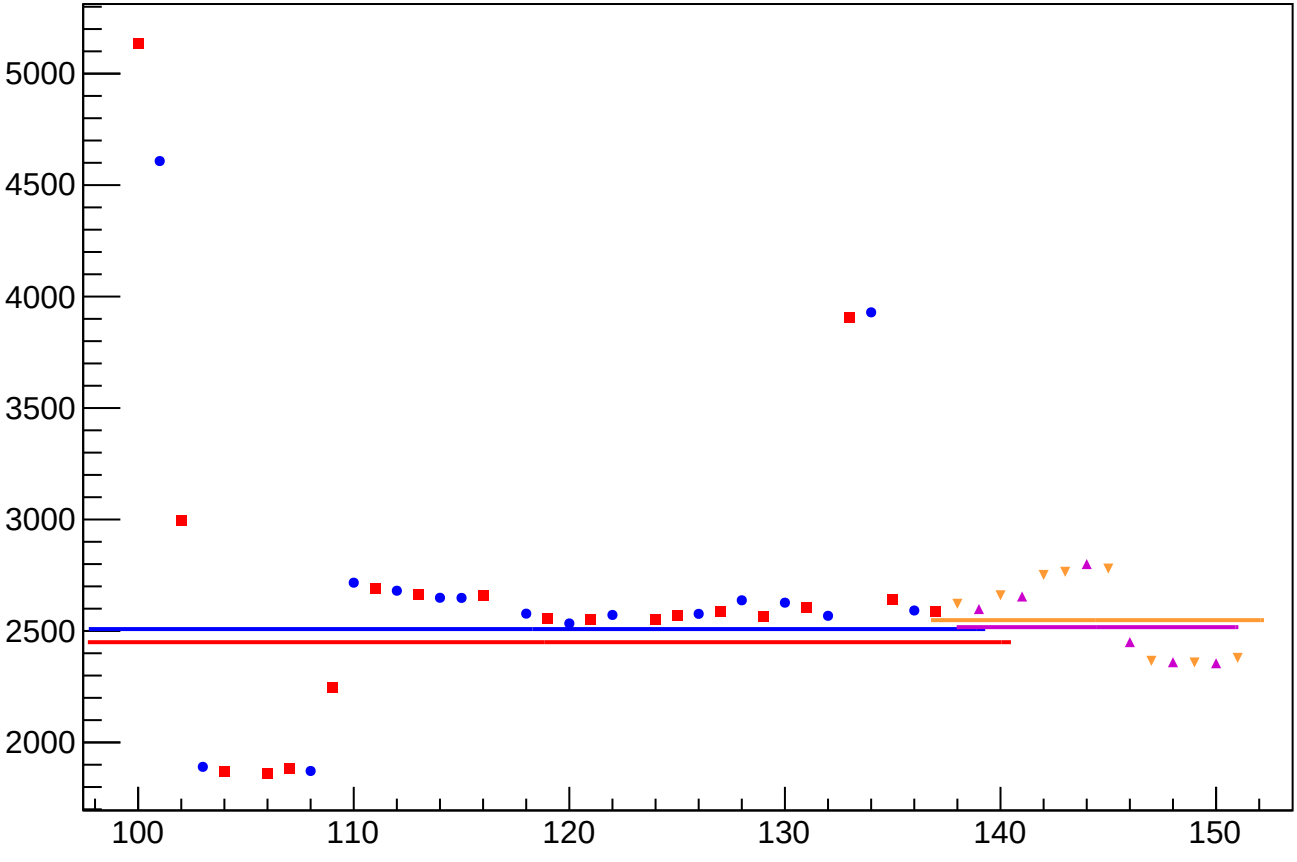
Left In: -3453.276+/-1098.449 χ^2/NDF:2.4/5

+ sign 2157.354+/-697.830 χ^2/NDF: 26.4/23

All: -247.328+/-496.390 χ^2/NDF: 68.4/48

- sign -2710.397+/-706.250 χ^2/NDF: 18.0/24

cor_asym_atr2_rms vs Slug



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2548.509+/-0.725 χ^2/NDF:59466.0/7

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

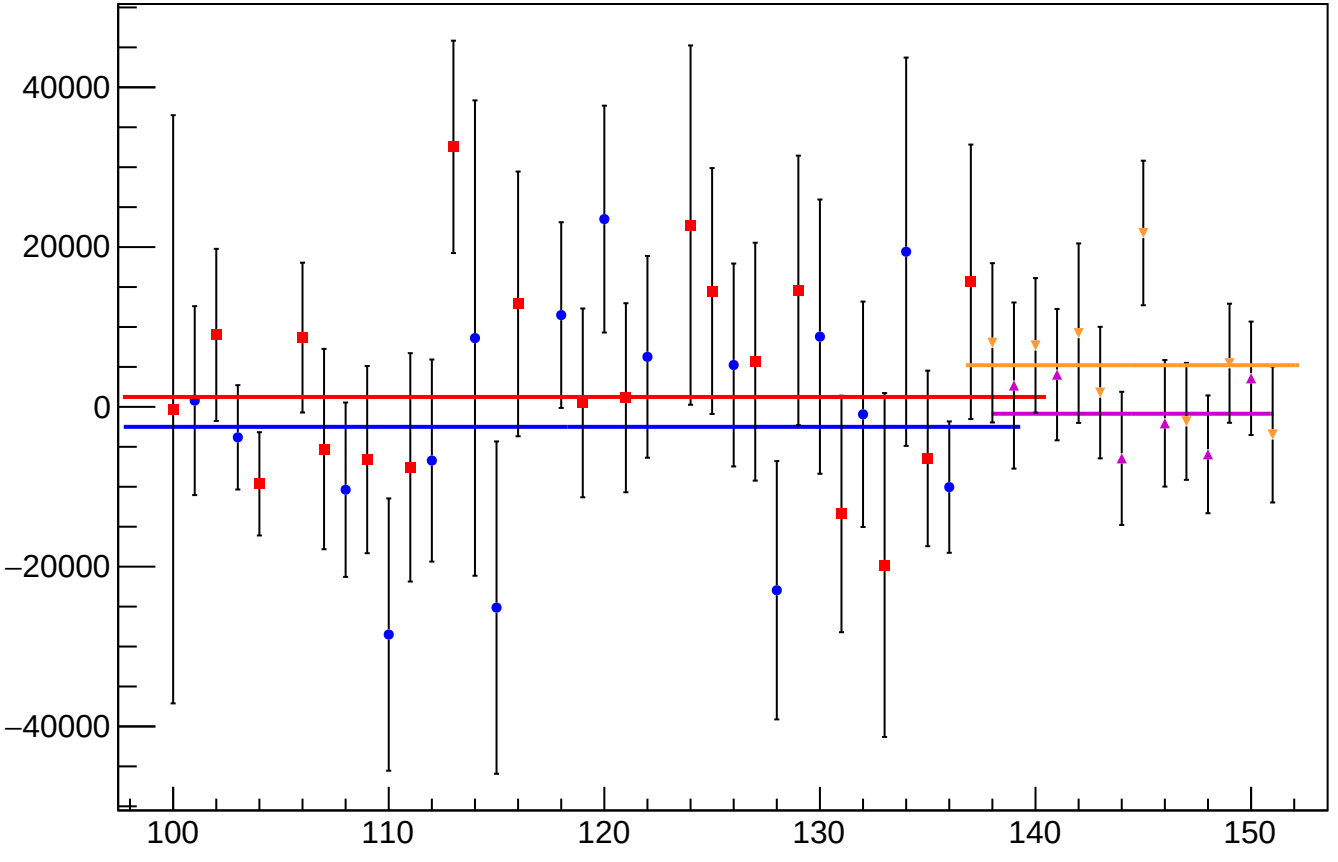
Left In: 2517.092+/-0.777 χ^2/NDF:42095.6/5

+ sign 2526.992+/-0.493 χ^2/NDF: 672690.5/23

All: 2502.557+/-0.351 χ^2/NDF: 1161020.0/48

- sign 2477.528+/-0.499 χ^2/NDF: 483365.3/24

asym_atr2_cor_correction_mean vs Slug



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 5215.480+/-3021.469 χ^2/NDF:5.8/7

Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

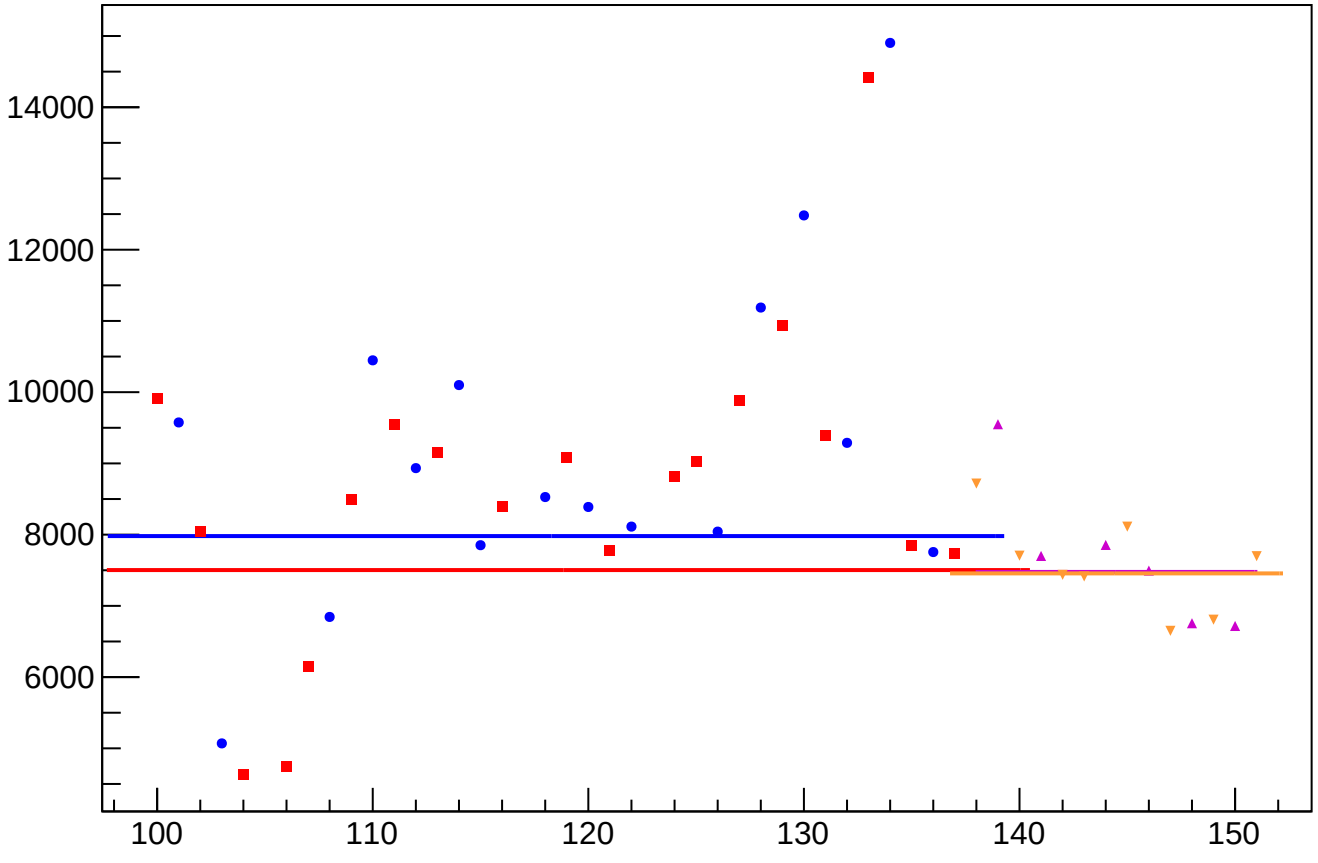
Left In: -859.316+/-3285.964 χ^2/NDF:1.8/5

+ sign 1426.132+/-2155.408 χ^2/NDF: 22.7/23

All: 878.731+/-1529.785 χ^2/NDF: 41.5/48

- sign 323.090+/-2171.567 χ^2/NDF: 18.7/24

asym_atr2_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 7455.853+/-2.137 χ^2/NDF:85422.9/7

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

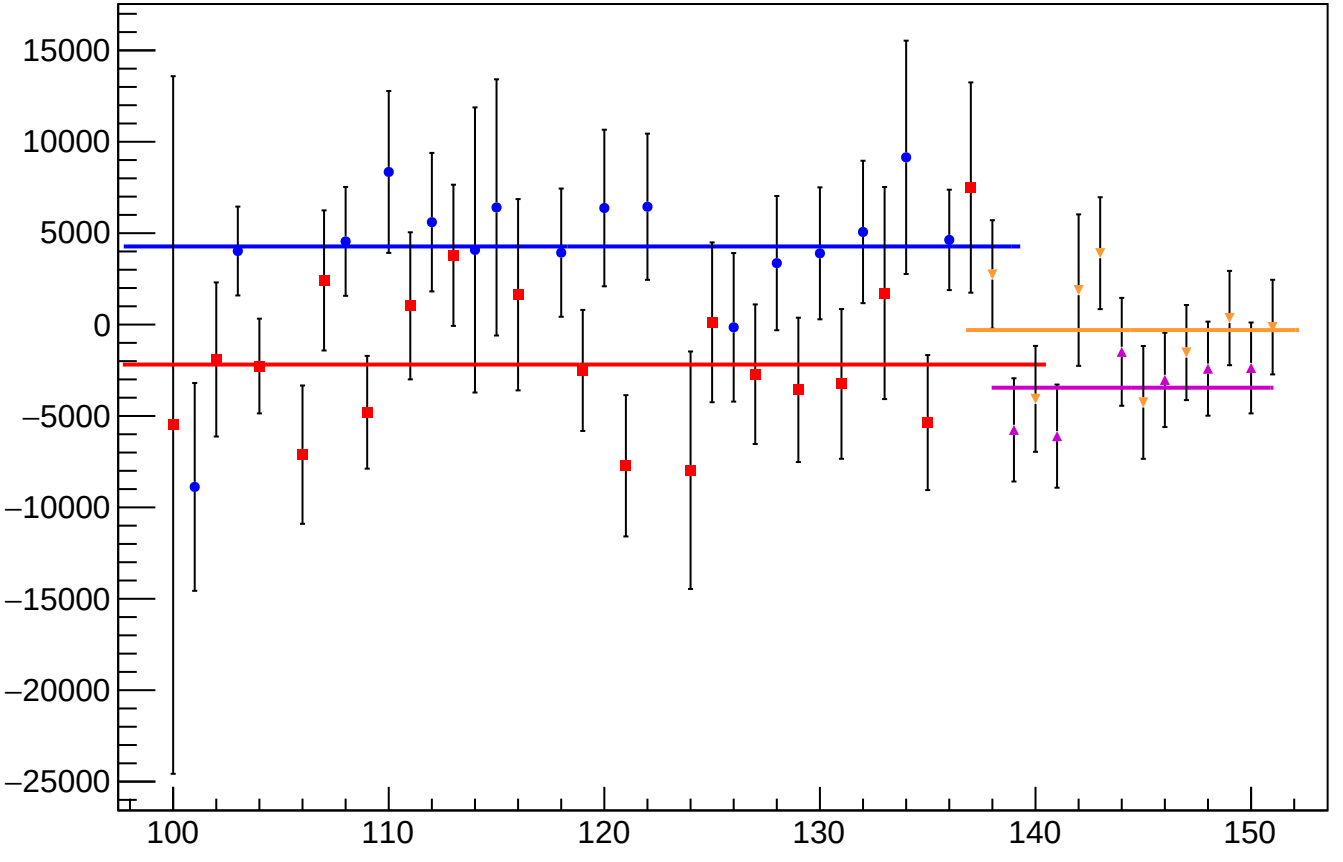
Left In: 7476.376+/-2.324 χ^2/NDF:127105.9/5

+ sign 7713.175+/-1.524 χ^2/NDF: 1037745.4/23

All: 7603.014+/-1.082 χ^2/NDF: 2310974.3/48

- sign 7491.195+/-1.536 χ^2/NDF: 1262701.7/24

eigen_cor_asym_atr2_mean vs Slug



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: -301.028+/-1025.953 χ^2/NDF:6.8/7

Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

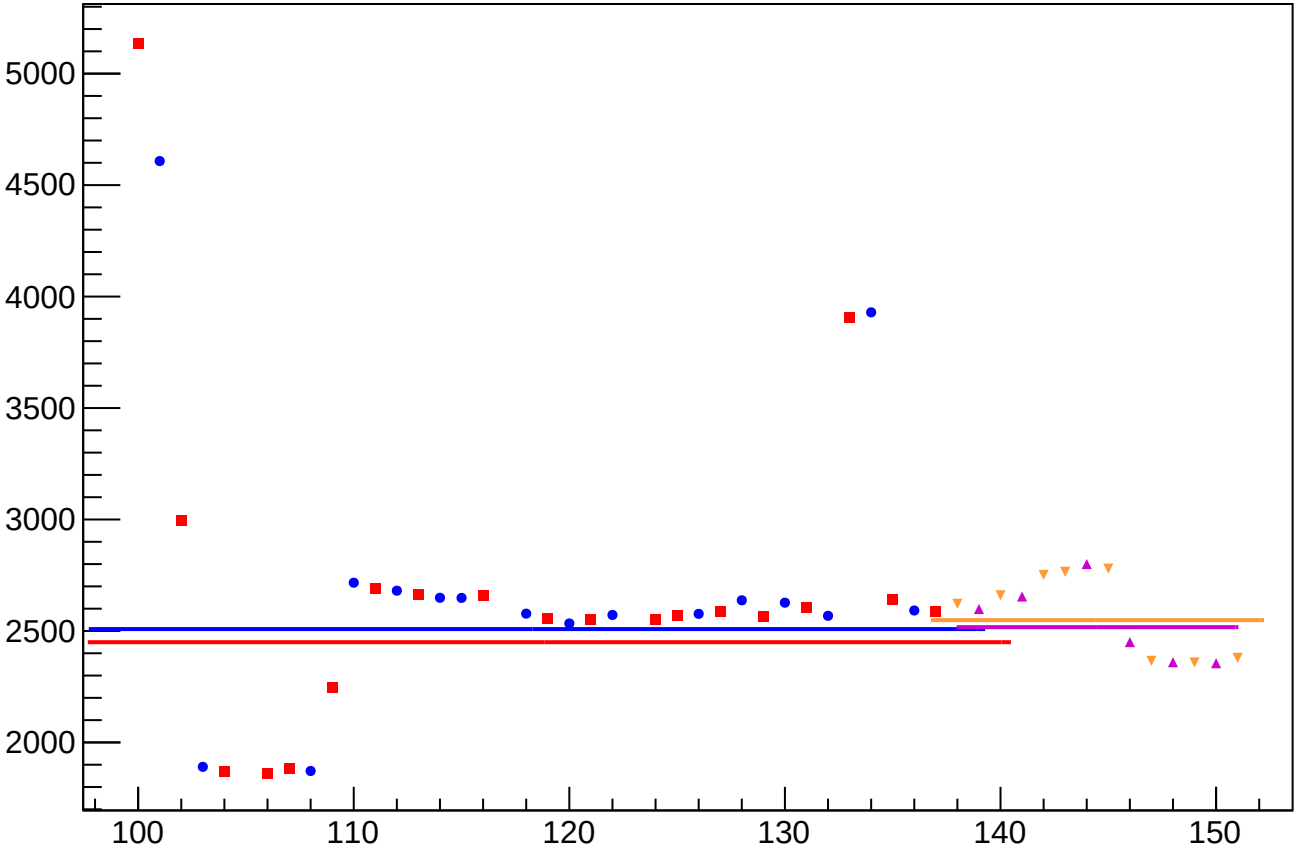
Left In: -3453.276+/-1098.449 χ^2/NDF:2.4/5

+ sign 2157.354+/-697.830 χ^2/NDF: 26.4/23

All: -247.328+/-496.390 χ^2/NDF: 68.4/48

- sign -2710.397+/-706.250 χ^2/NDF: 18.0/24

eigen_cor_asym_atr2_rms vs Slug



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2548.509+/-0.725 χ^2/NDF:59466.0/7

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

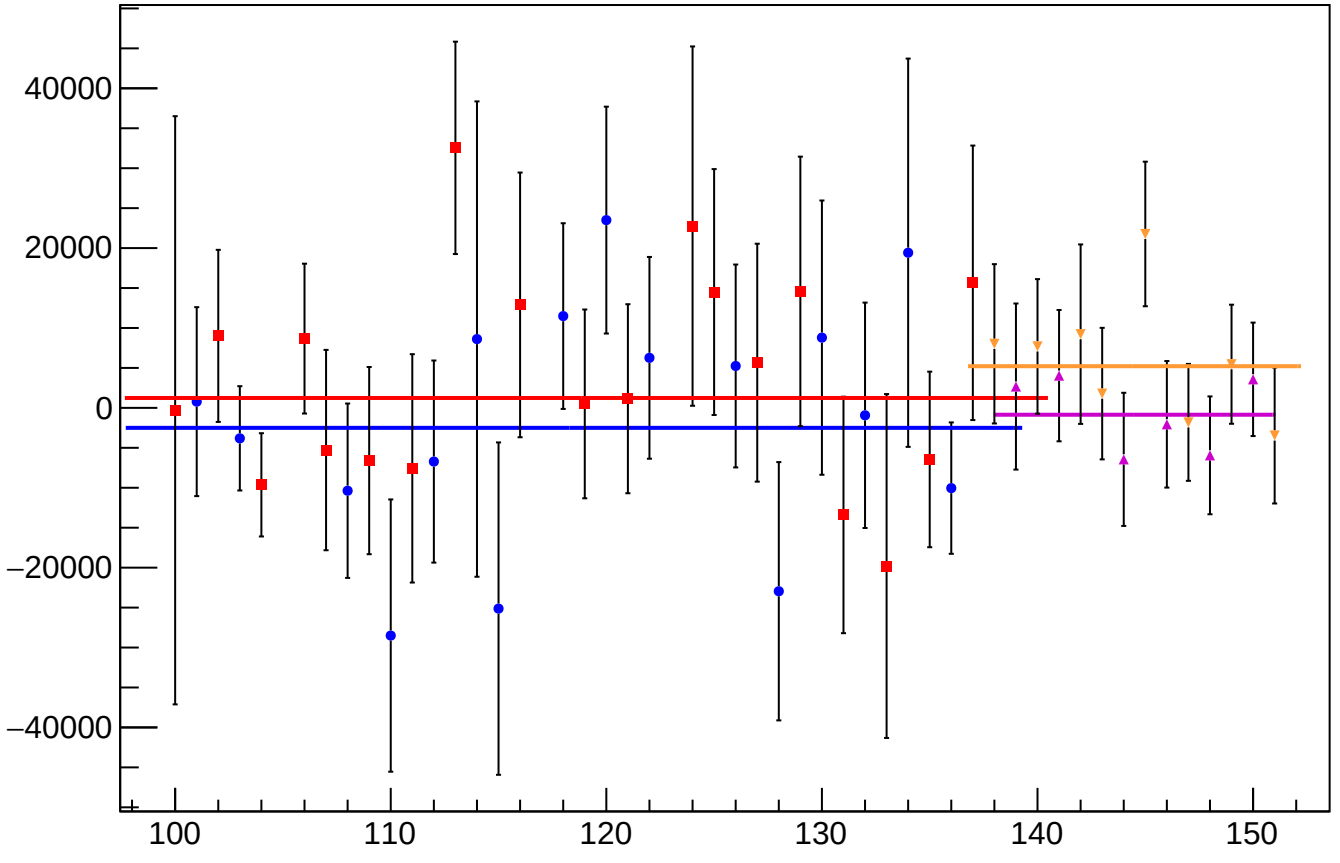
Left In: 2517.092+/-0.777 χ^2/NDF:42095.6/5

+ sign 2526.992+/-0.493 χ^2/NDF: 672690.5/23

All: 2502.557+/-0.351 χ^2/NDF: 1161020.0/48

- sign 2477.528+/-0.499 χ^2/NDF: 483365.3/24

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 5215.480+/-3021.469 χ^2/NDF:5.8/7

Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

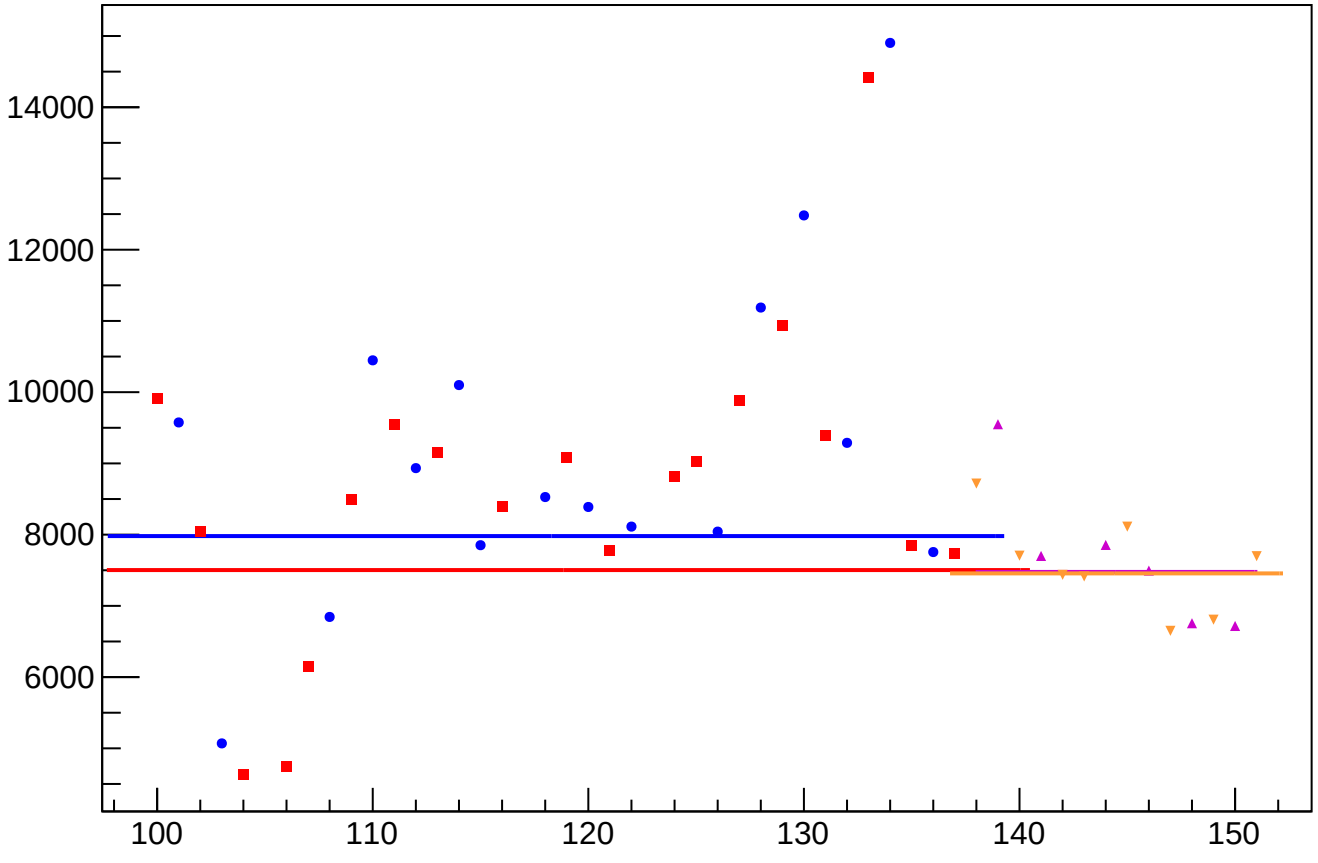
Left In: -859.316+/-3285.964 χ^2/NDF:1.8/5

+ sign 1426.132+/-2155.408 χ^2/NDF: 22.7/23

All: 878.731+/-1529.785 χ^2/NDF: 41.5/48

- sign 323.090+/-2171.567 χ^2/NDF: 18.7/24

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 7455.853+/-2.137 χ^2/NDF:85422.9/7

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

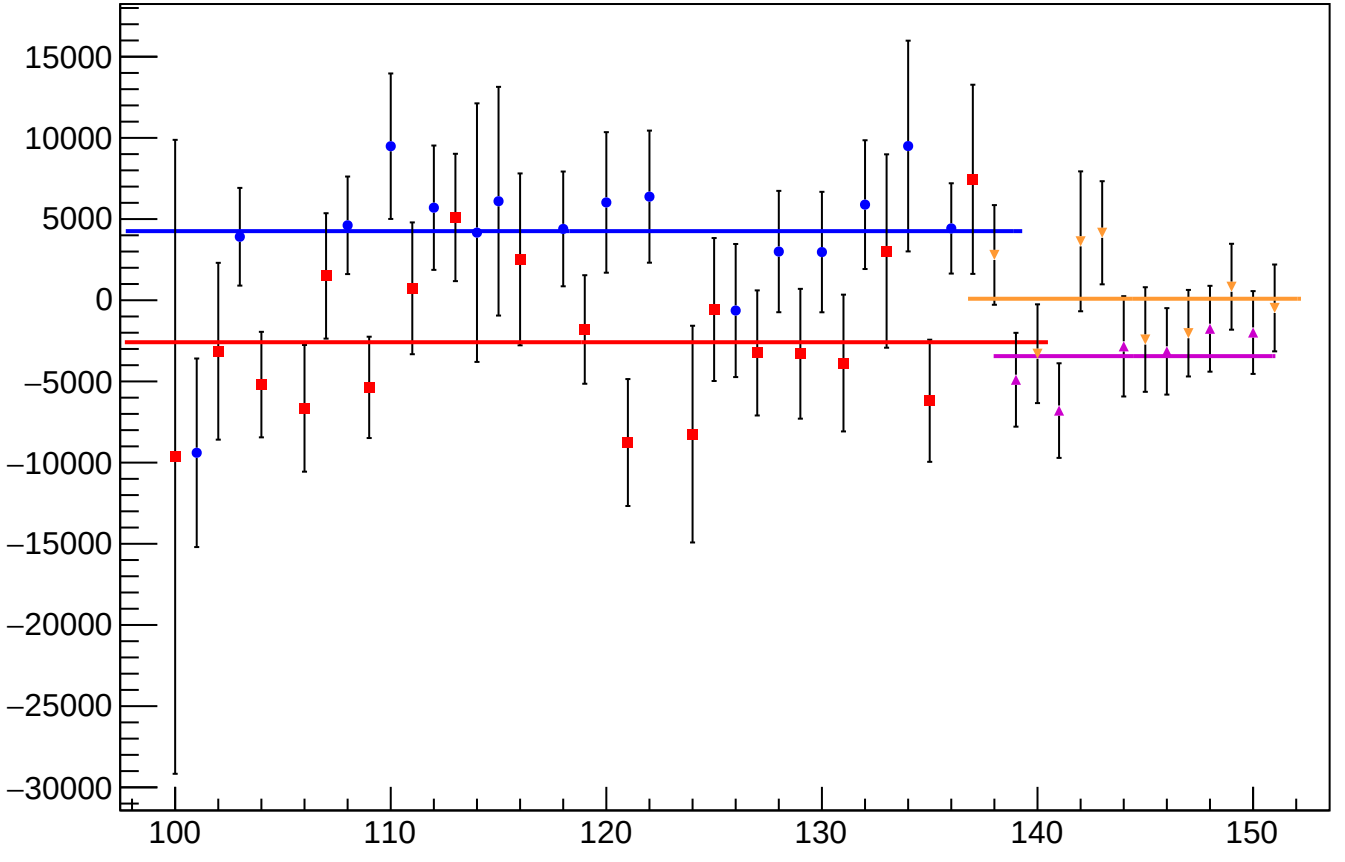
Left In: 7476.376+/-2.324 χ^2/NDF:127105.9/5

+ sign 7713.175+/-1.524 χ^2/NDF: 1037745.4/23

All: 7603.014+/-1.082 χ^2/NDF: 2310974.3/48

- sign 7491.195+/-1.536 χ^2/NDF: 1262701.7/24

dit_asym_atr2_mean vs Slug



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: 92.359+/-1061.728 χ^2/NDF:5.7/7

Right Out: -2584.689+/-966.049 χ^2/NDF: 17.6/18

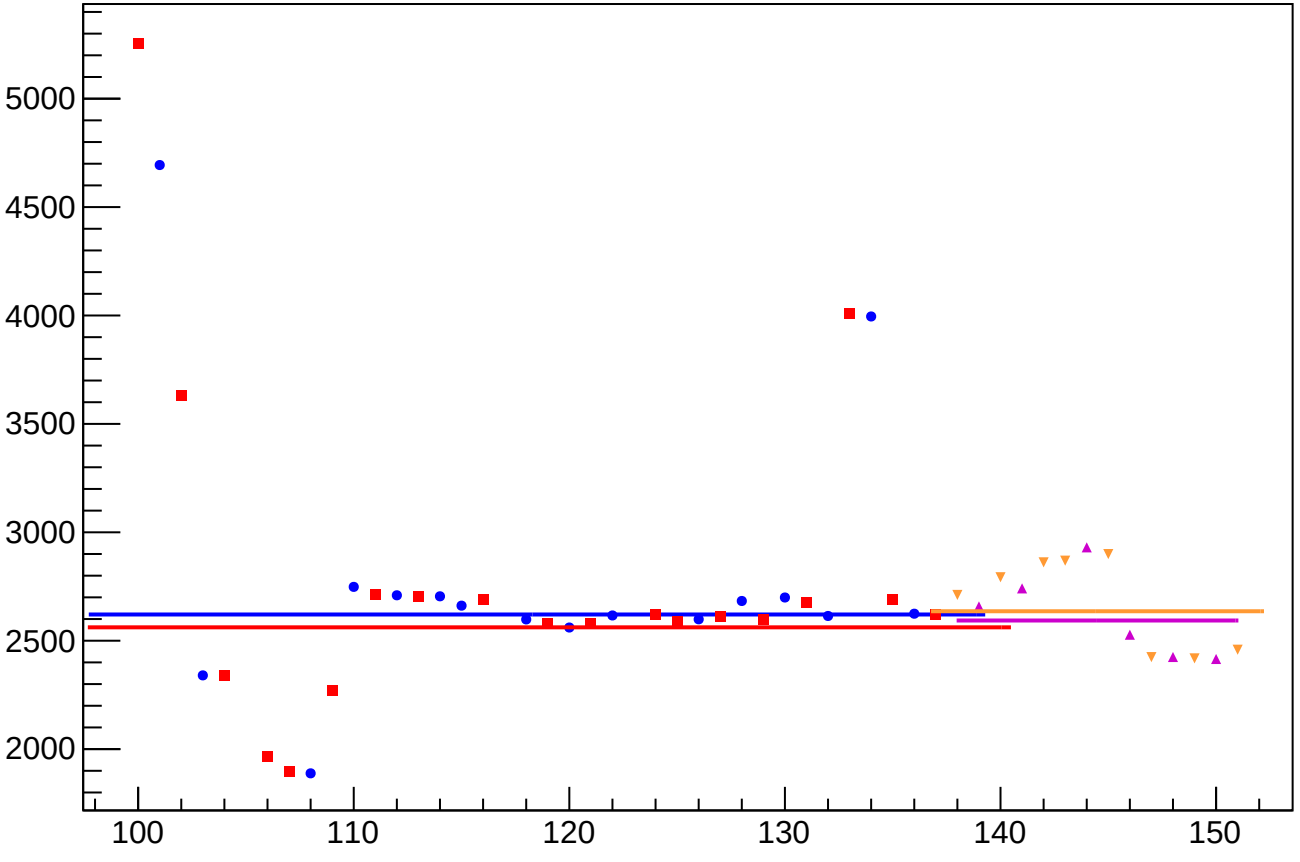
Left In: -3441.452+/-1132.133 χ^2/NDF:2.4/5

+ sign 2318.951+/-724.278 χ^2/NDF: 24.0/23

All: -275.140+/-515.847 χ^2/NDF: 70.3/48

- sign -2945.675+/-734.873 χ^2/NDF: 20.3/24

dit_asym_atr2_rms vs Slug



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2635.903+/-0.751 χ^2/NDF:71093.2/7

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

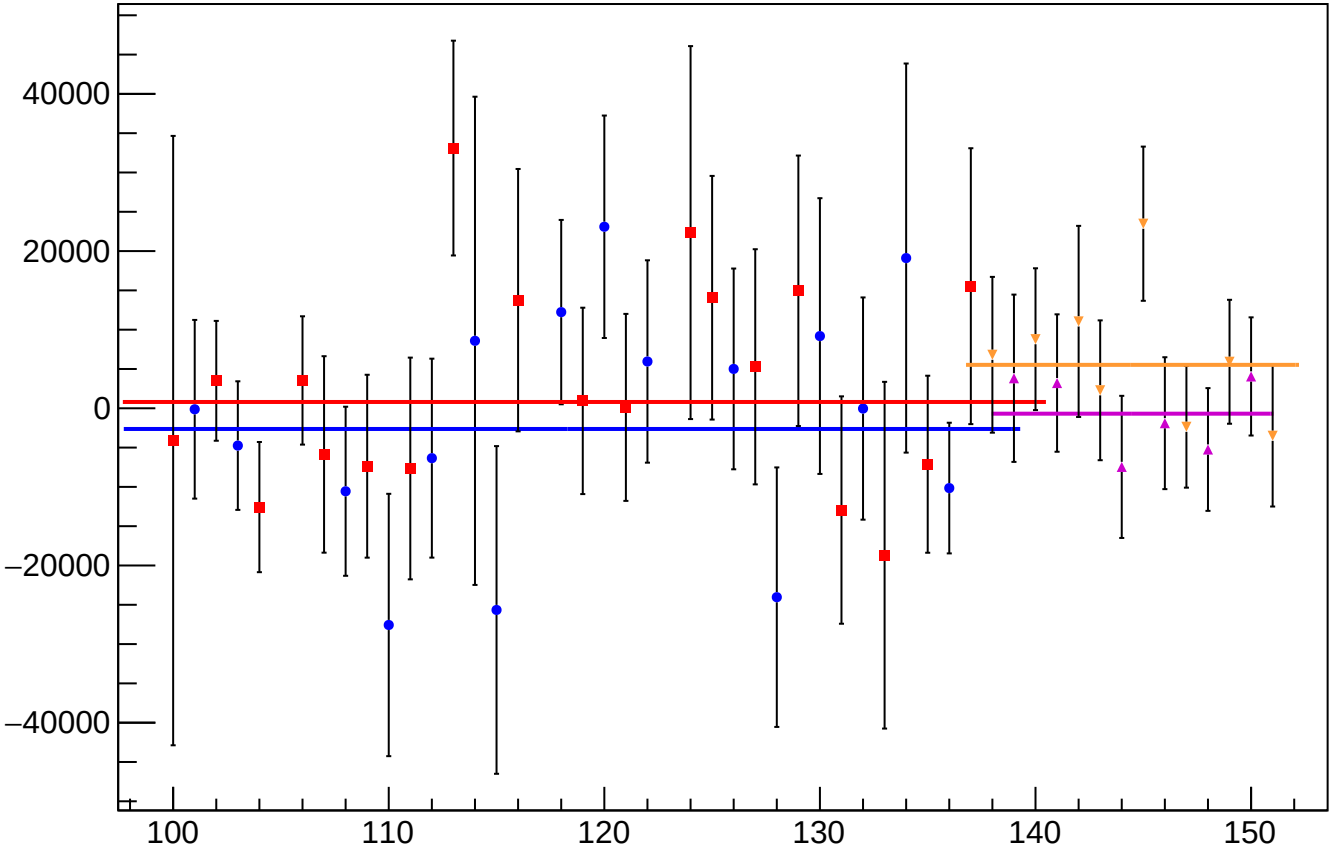
Left In: 2593.223+/-0.801 χ^2/NDF:49050.3/5

+ sign 2627.916+/-0.512 χ^2/NDF: 557219.0/23

All: 2601.825+/-0.365 χ^2/NDF: 990690.8/48

- sign 2574.983+/-0.519 χ^2/NDF: 428206.5/24

asym_atr2_dit_correction_mean vs Slug



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 5525.588+/-3204.855 χ^2/NDF:5.9/7

Right Out: 802.880+/-2872.934 χ^2/NDF: 15.4/18

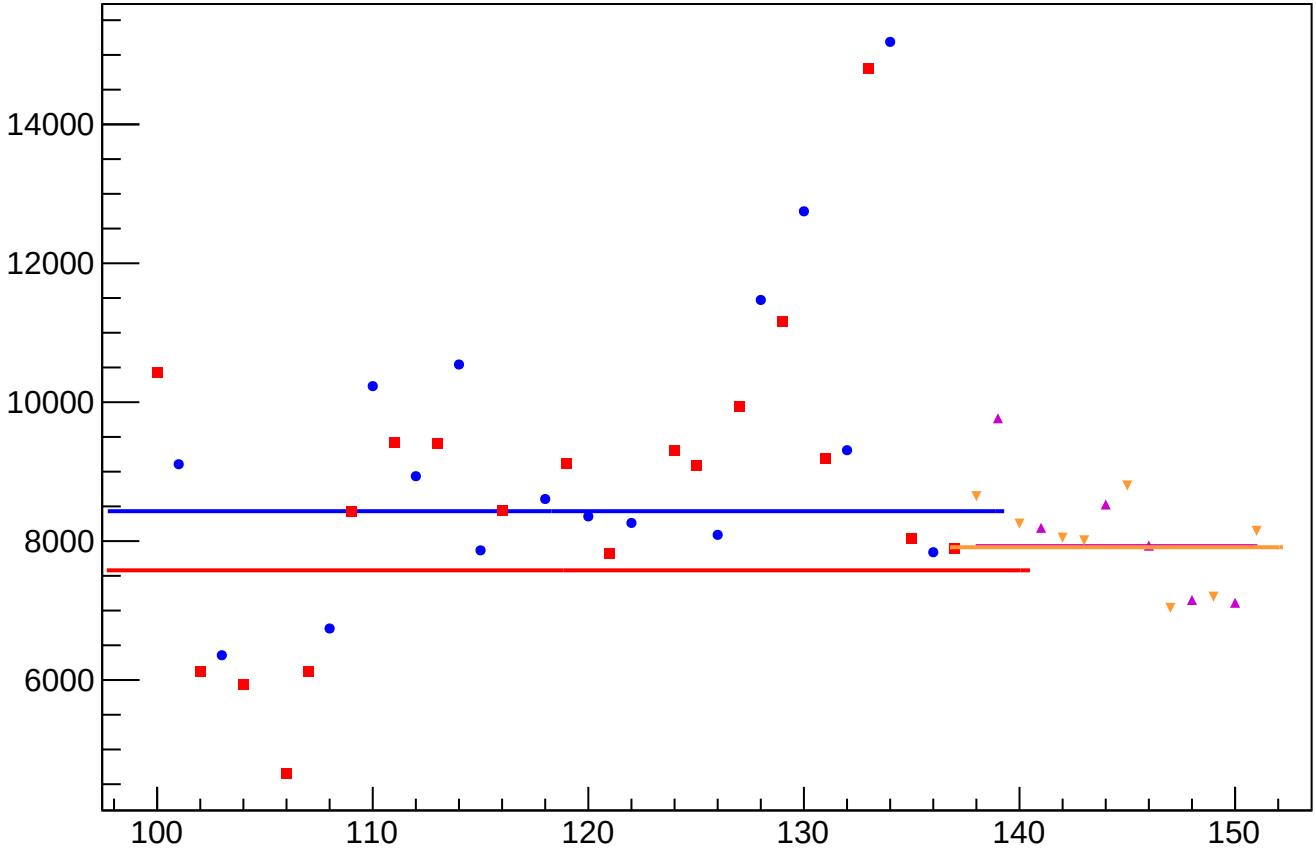
Left In: -686.836+/-3482.660 χ^2/NDF:1.7/5

+ sign 1455.289+/-2268.523 χ^2/NDF: 22.9/23

All: 812.811+/-1585.260 χ^2/NDF: 40.3/48

- sign 199.635+/-2216.186 χ^2/NDF: 17.2/24

asym_atr2_dit_correction_rms vs Slug



Right In: 8430.768+/-2.271 χ^2/NDF: 580295.1/15

Left Out: 7911.660+/-2.266 χ^2/NDF:73888.9/7

Right Out: 7579.112+/-2.031 χ^2/NDF: 974126.9/18

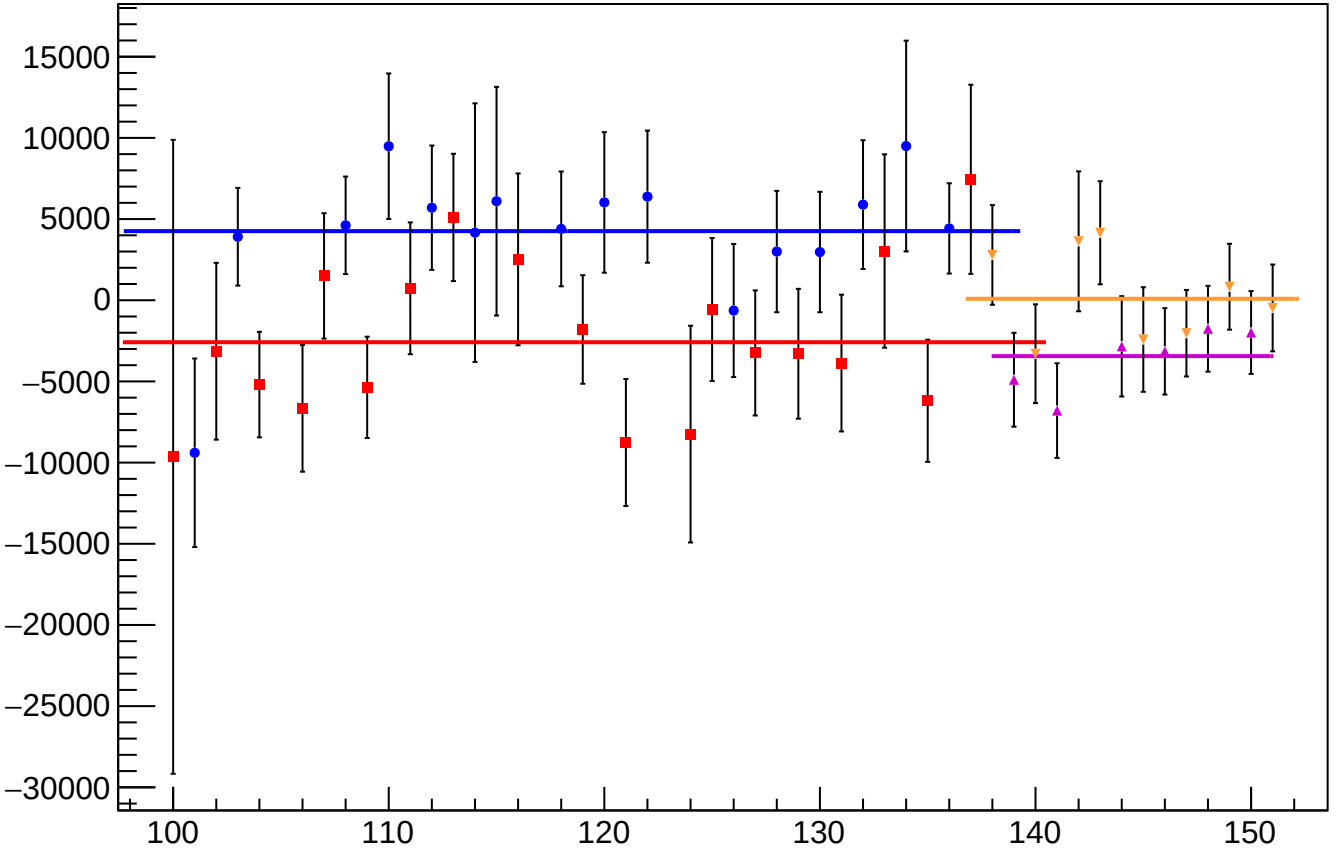
Left In: 7927.930+/-2.463 χ^2/NDF:113698.6/5

+ sign 8170.676+/-1.604 χ^2/NDF: 680365.7/23

All: 7940.265+/-1.121 χ^2/NDF: 1820454.1/48

- sign 7720.362+/-1.567 χ^2/NDF: 1099764.5/24

eigen_dit_asym_atr2_mean vs Slug



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: 92.355+/-1061.729 χ^2/NDF:5.7/7

Right Out: -2584.699+/-966.048 χ^2/NDF: 17.6/18

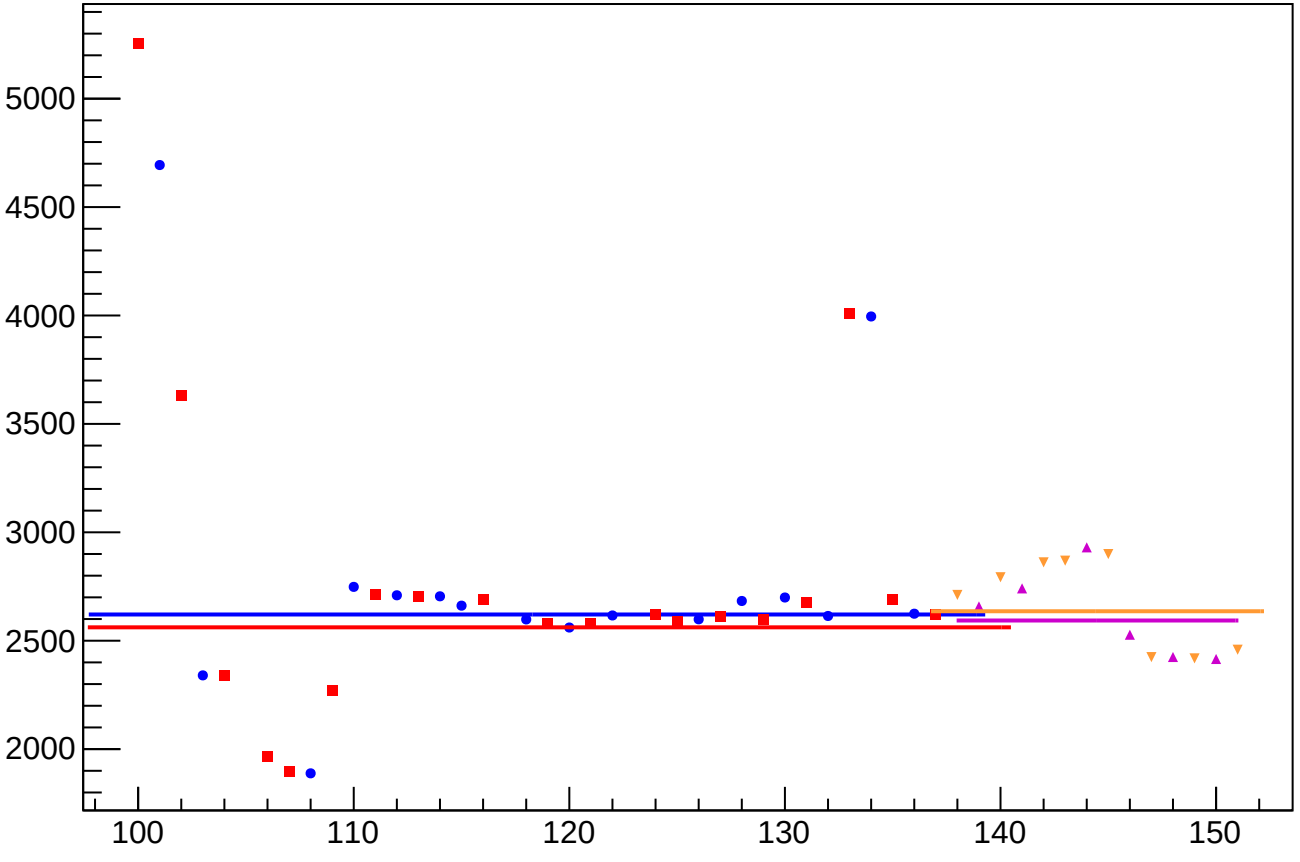
Left In: -3441.446+/-1132.134 χ^2/NDF:2.4/5

+ sign 2318.955+/-724.279 χ^2/NDF: 24.0/23

All: -275.139+/-515.847 χ^2/NDF: 70.3/48

- sign -2945.678+/-734.873 χ^2/NDF: 20.3/24

eigen_dit_asym_atr2_rms vs Slug



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2635.905+/-0.751 χ^2/NDF:71093.3/7

Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

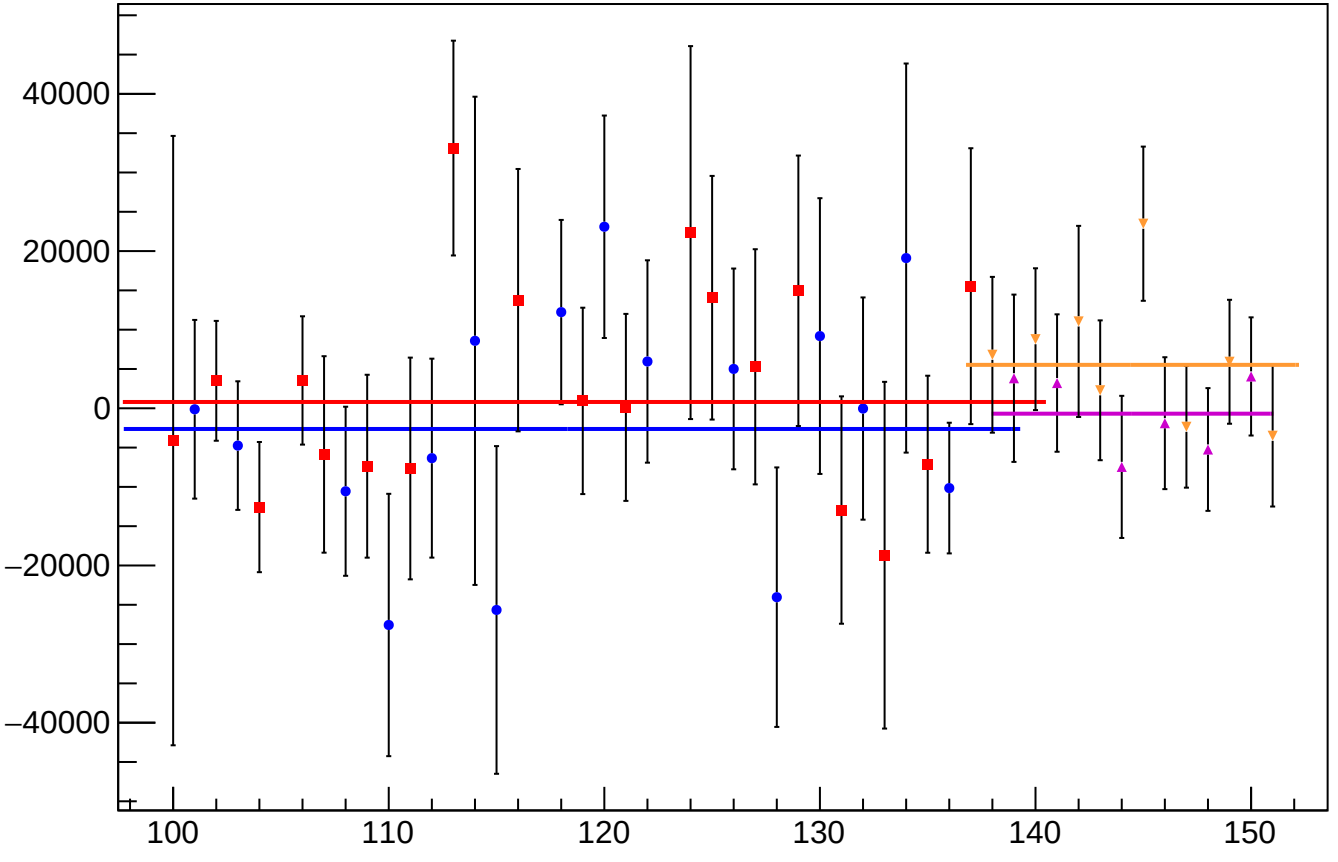
Left In: 2593.225+/-0.801 χ^2/NDF:49050.0/5

+ sign 2627.916+/-0.512 χ^2/NDF: 557219.5/23

All: 2601.825+/-0.365 χ^2/NDF: 990690.4/48

- sign 2574.984+/-0.519 χ^2/NDF: 428205.6/24

asym_atr2_eigen_dit_correction_mean vs Slug



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 5525.589+/-3204.860 χ^2/NDF:5.9/7

Right Out: 802.875+/-2872.930 χ^2/NDF: 15.4/18

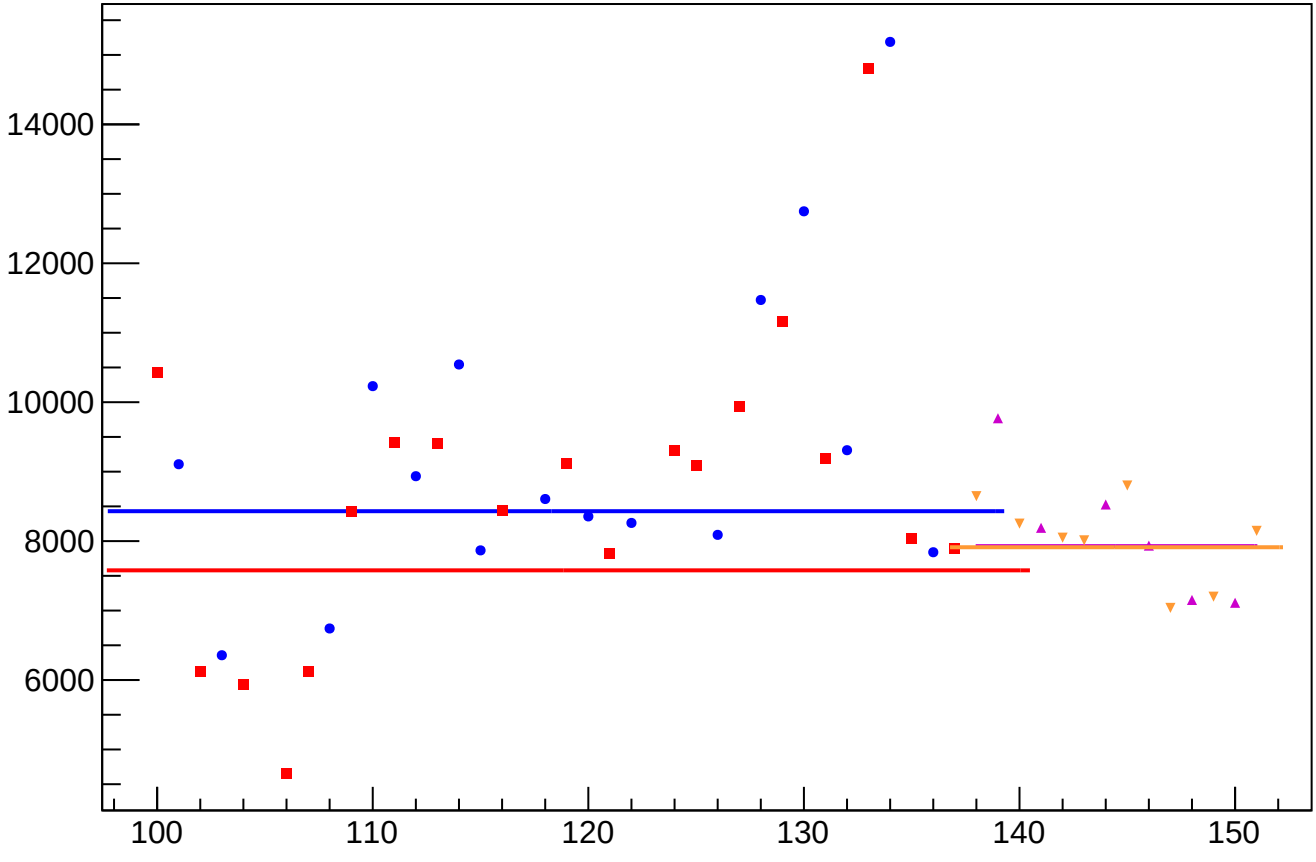
Left In: -686.827+/-3482.665 χ^2/NDF:1.7/5

+ sign 1455.295+/-2268.523 χ^2/NDF: 22.9/23

All: 812.815+/-1585.260 χ^2/NDF: 40.3/48

- sign 199.638+/-2216.185 χ^2/NDF: 17.2/24

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 8430.758+/-2.271 χ^2/NDF: 580289.4/15

Left Out: 7911.671+/-2.266 χ^2/NDF:73888.8/7

Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

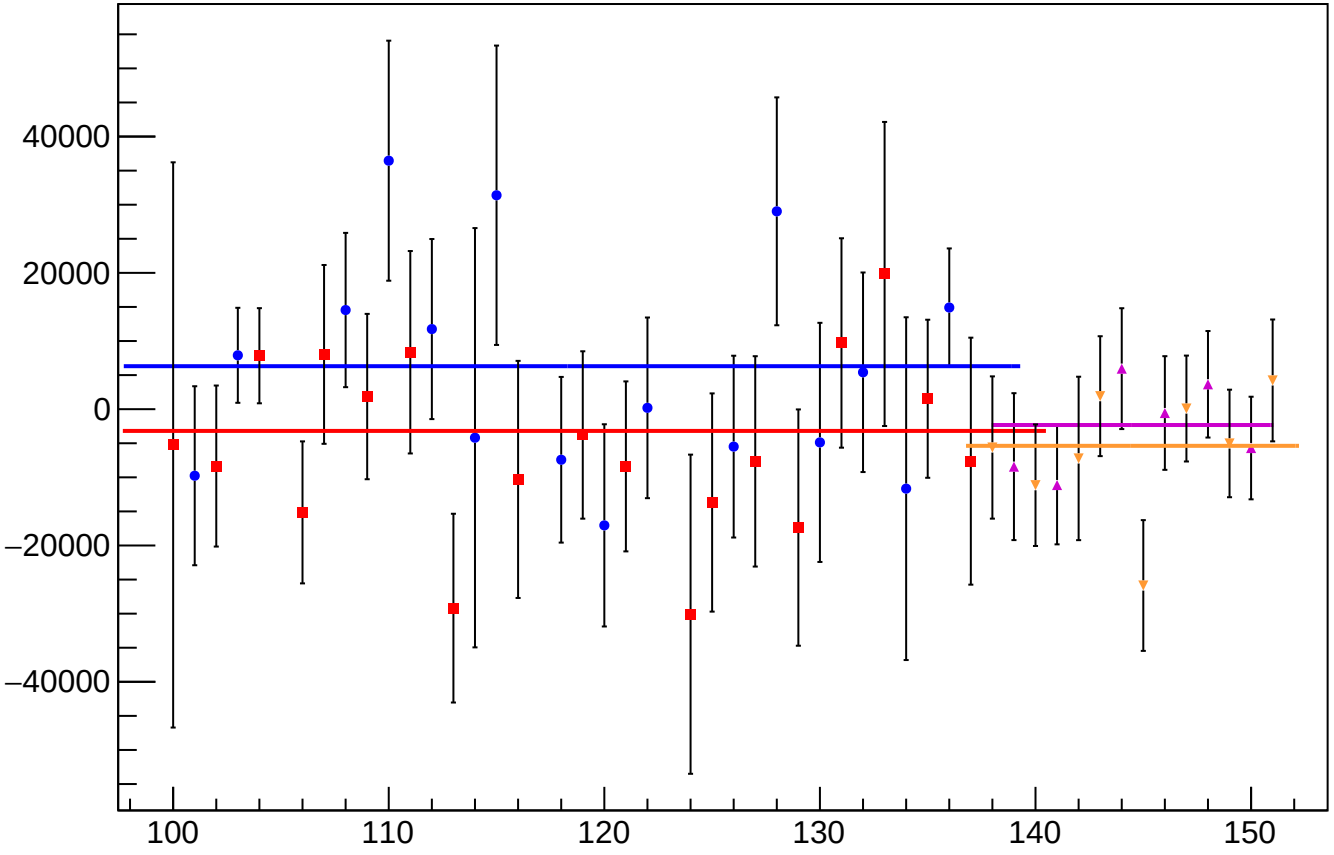
Left In: 7927.942+/-2.463 χ^2/NDF:113698.3/5

+ sign 8170.677+/-1.604 χ^2/NDF: 680357.7/23

All: 7940.264+/-1.121 χ^2/NDF: 1820444.4/48

- sign 7720.360+/-1.567 χ^2/NDF: 1099762.1/24

asym_atr2_mean vs Slug



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -5376.853+/-3200.171 χ^2/NDF:7.3/7

Right Out: -3189.356+/-3068.645 χ^2/NDF: 13.9/18

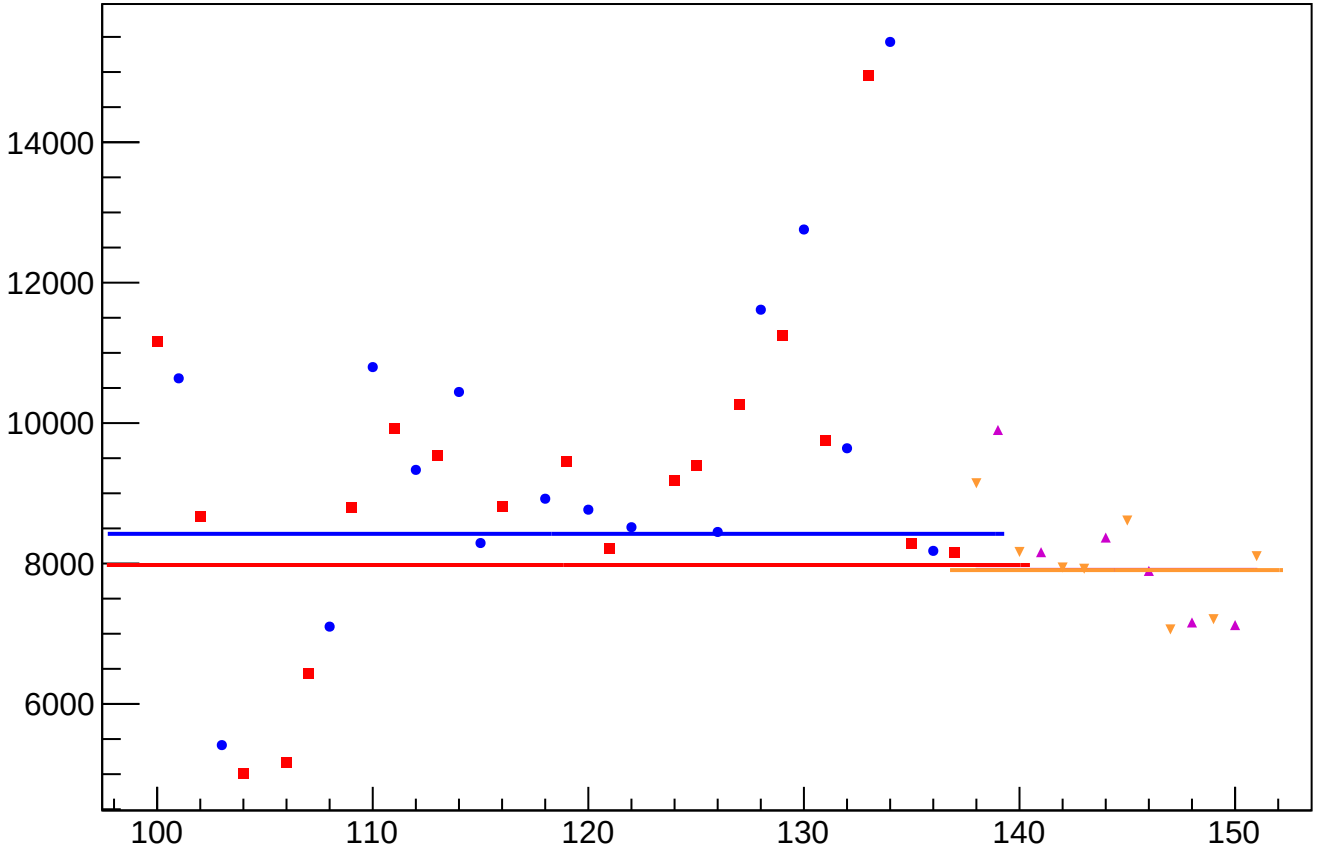
Left In: -2323.215+/-3472.290 χ^2/NDF:3.0/5

+ sign 393.370+/-2276.710 χ^2/NDF: 29.0/23

All: -1192.209+/-1617.836 χ^2/NDF: 47.0/48

- sign -2809.533+/-2299.389 χ^2/NDF: 17.0/24

asym_atr2_rms vs Slug



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 7906.450+/-2.263 χ^2/NDF:80946.5/7

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

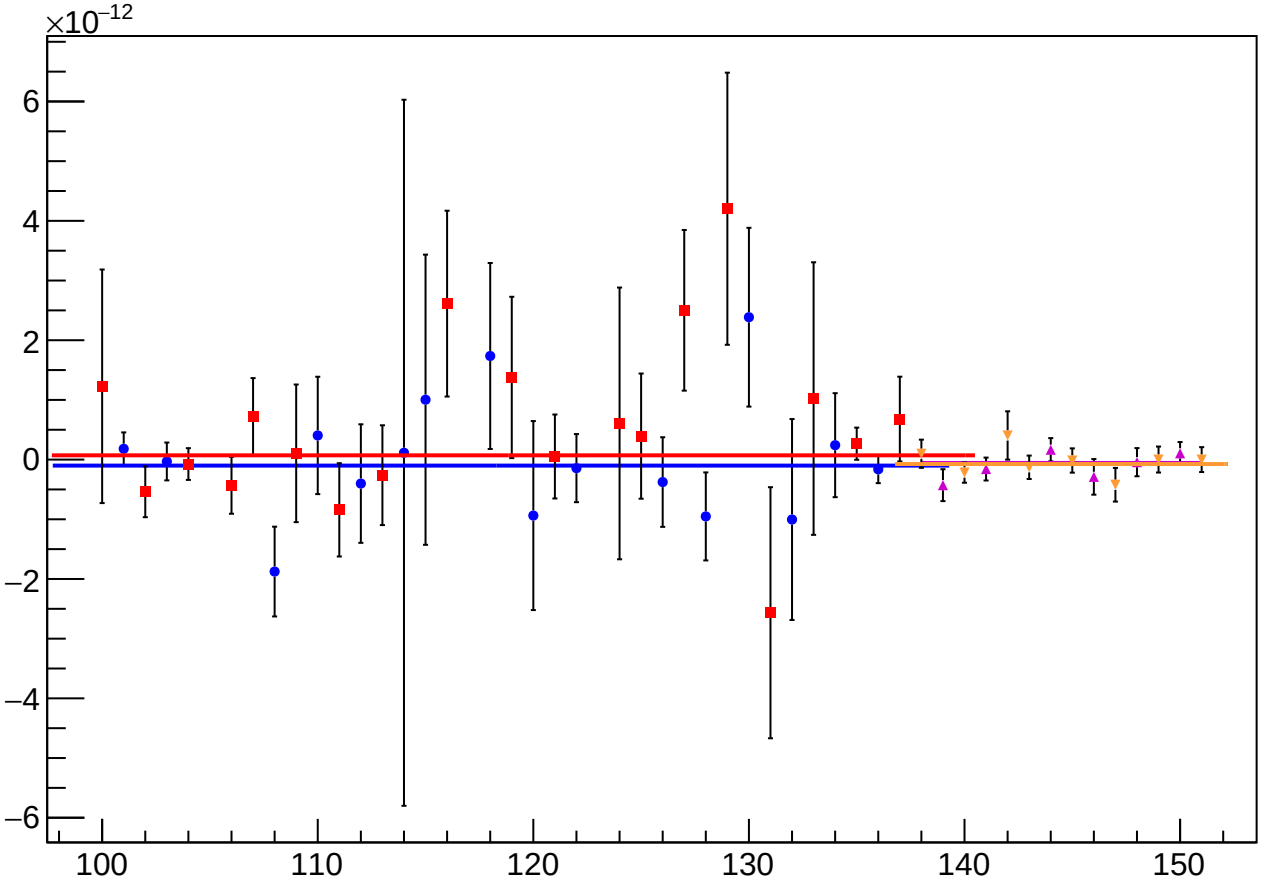
Left In: 7909.482+/-2.455 χ^2/NDF:115631.2/5

+ sign 8161.415+/-1.610 χ^2/NDF: 988486.6/23

All: 8056.018+/-1.144 χ^2/NDF: 2129245.0/48

- sign 7948.514+/-1.626 χ^2/NDF: 1132100.4/24

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:4.6/7

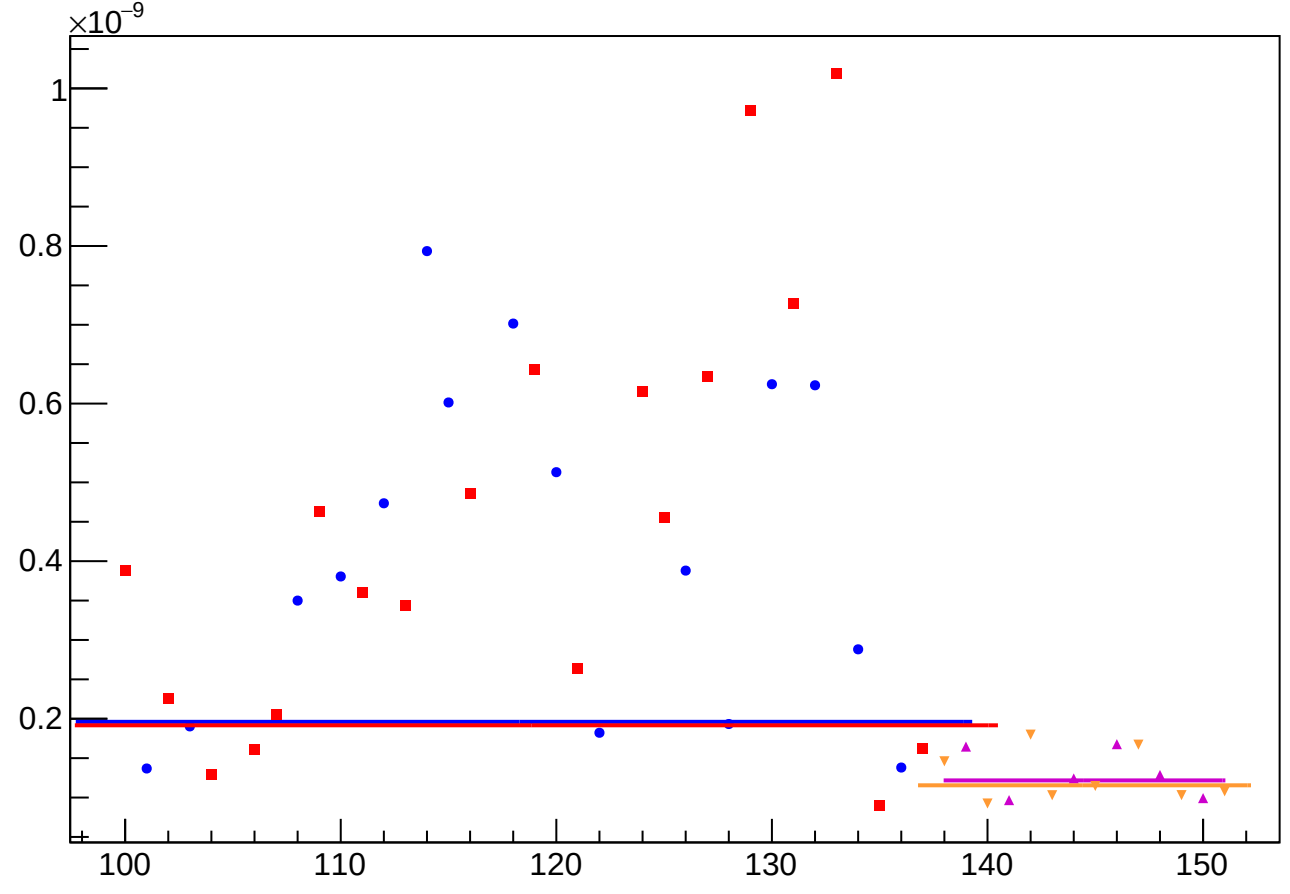
Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: -0.000+/-0.000 χ^2/NDF:4.9/5

+ sign -0.000+/-0.000 χ^2/NDF: 18.2/23

All: -0.000+/-0.000 χ^2/NDF: 43.7/48

- sign -0.000+/-0.000 χ^2/NDF: 25.1/24



Right In: 0.000+/-0.000 χ^2/NDF: 1342263.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:205246.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2066454.3/18

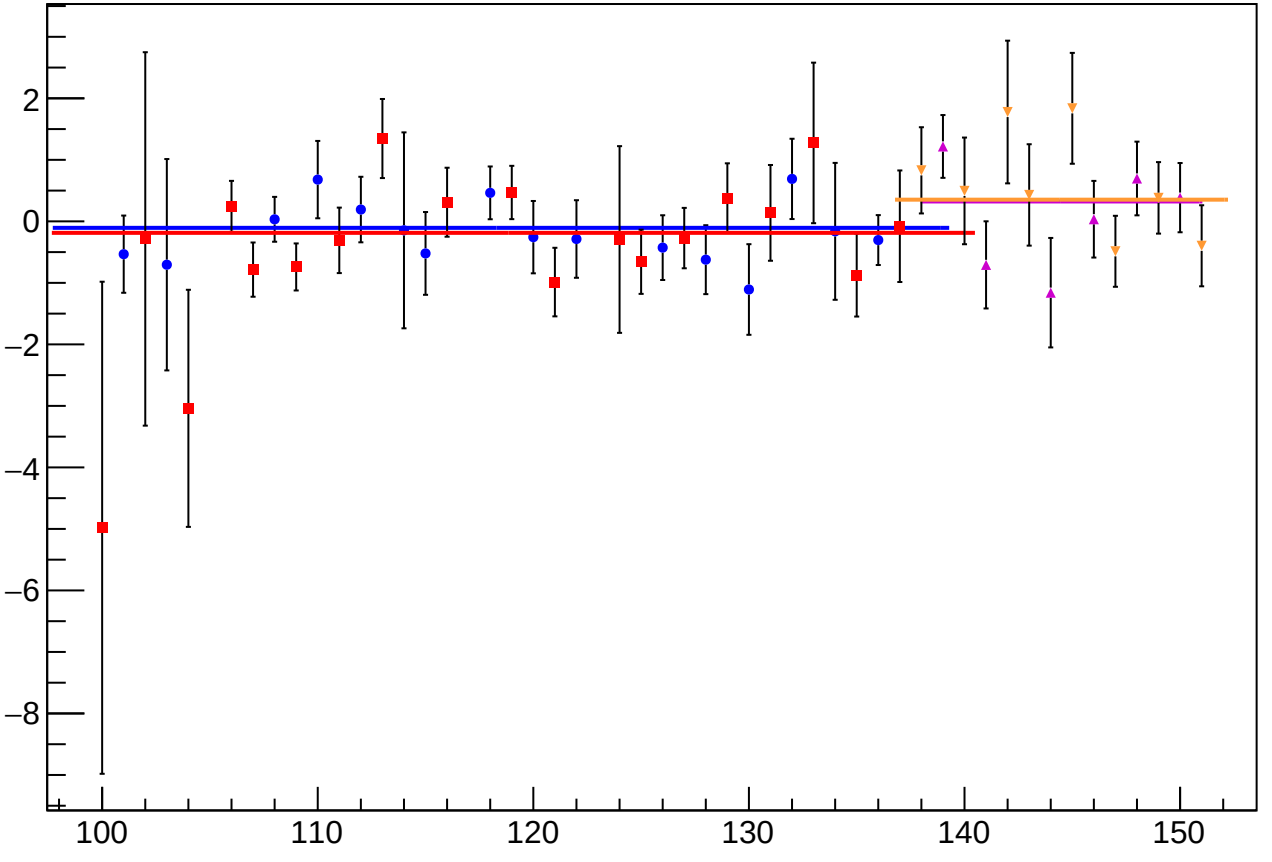
Left In: 0.000+/-0.000 χ^2/NDF:163401.2/5

+ sign 0.000+/-0.000 χ^2/NDF: 2086292.4/23

All: 0.000+/-0.000 χ^2/NDF: 4680790.0/48

- sign 0.000+/-0.000 χ^2/NDF: 2586316.0/24

asym_atr2_dit_vs_cor_diff_mean vs Slug



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.353+/-0.258 χ^2/NDF:8.1/7

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

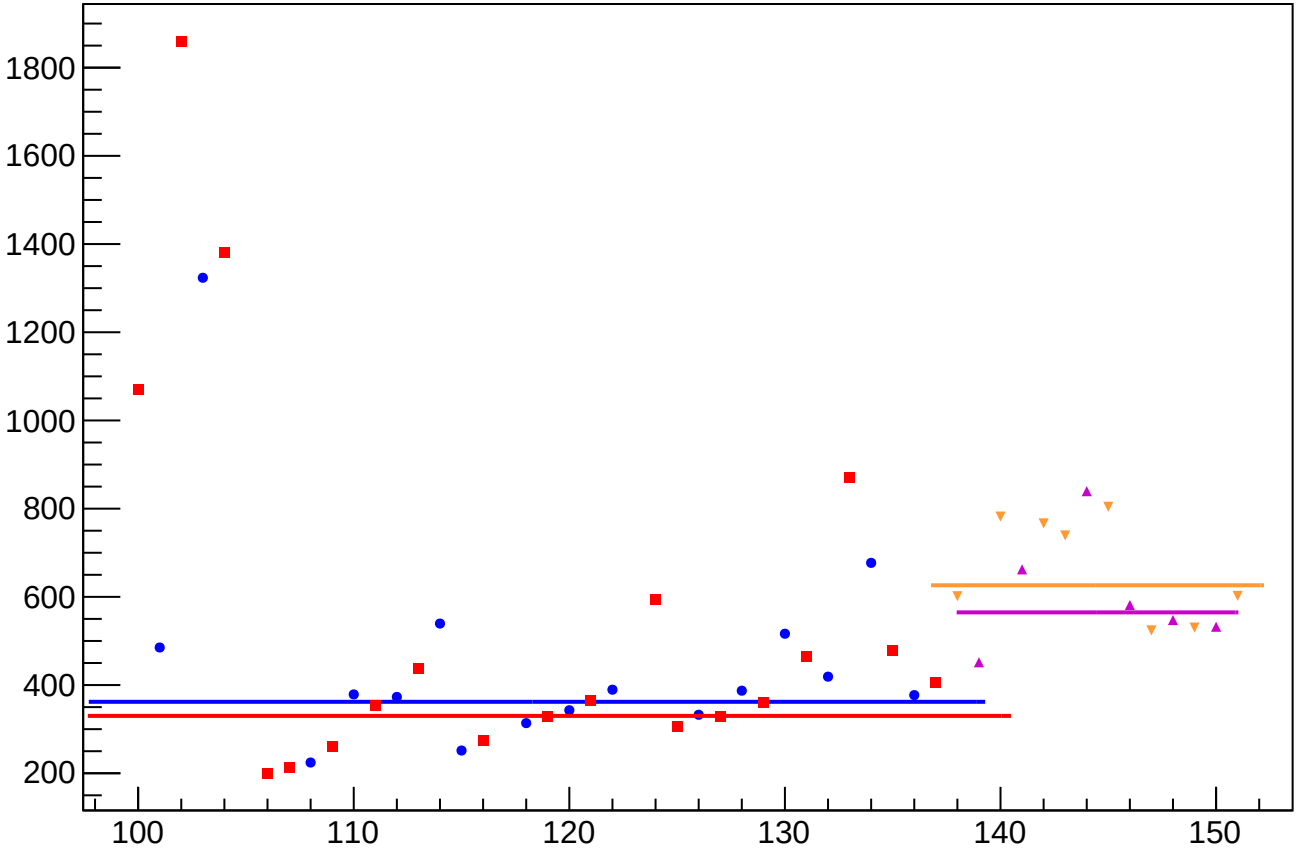
Left In: 0.323+/-0.253 χ^2/NDF:8.6/5

+ sign 0.004+/-0.126 χ^2/NDF: 20.2/23

All: -0.035+/-0.087 χ^2/NDF: 56.0/48

- sign -0.071+/-0.121 χ^2/NDF: 35.6/24

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 626.237+/-0.182 χ^2/NDF:331882.8/7

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

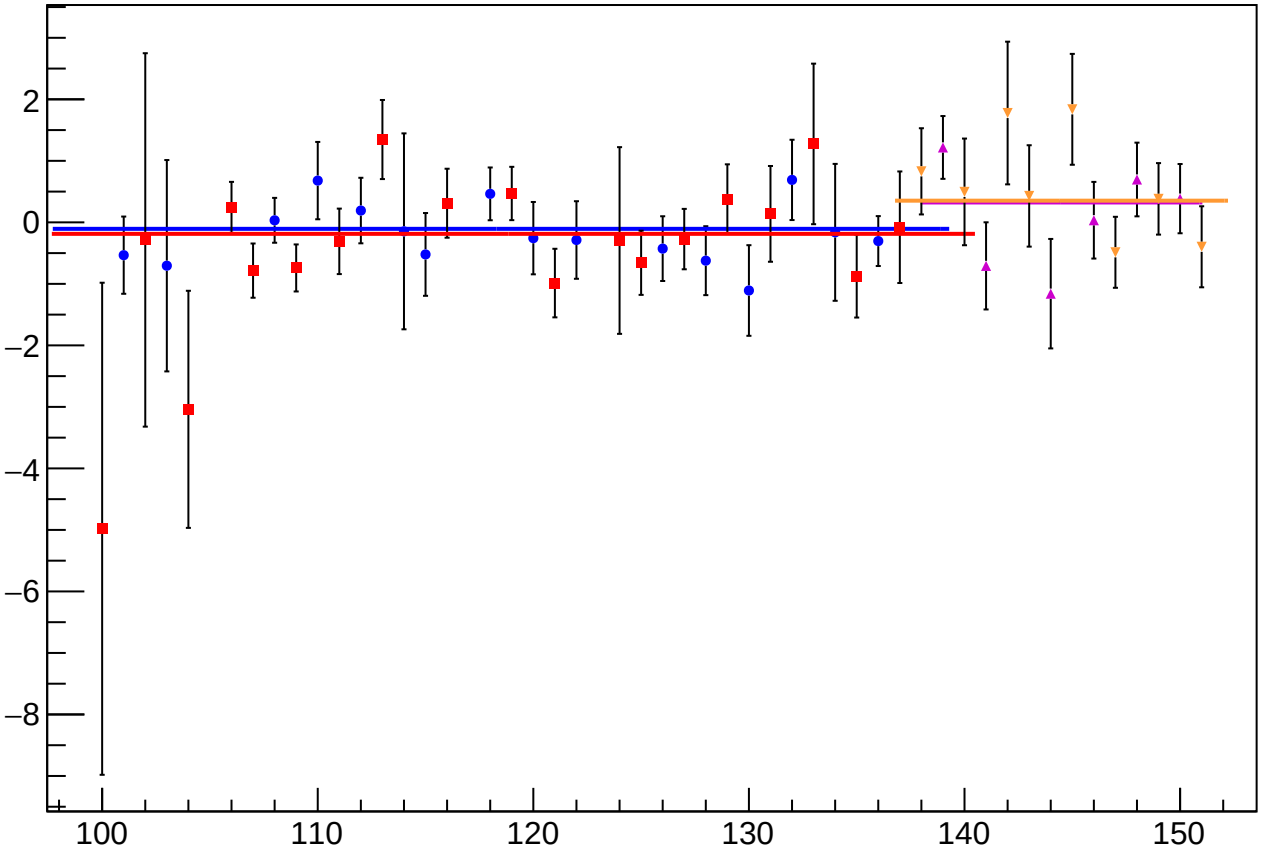
Left In: 564.792+/-0.179 χ^2/NDF:336556.1/5

+ sign 425.432+/-0.089 χ^2/NDF: 3309390.6/23

All: 403.564+/-0.062 χ^2/NDF: 7336150.4/48

- sign 383.522+/-0.085 χ^2/NDF: 3911560.0/24

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.353+/-0.258 χ^2/NDF:8.1/7

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

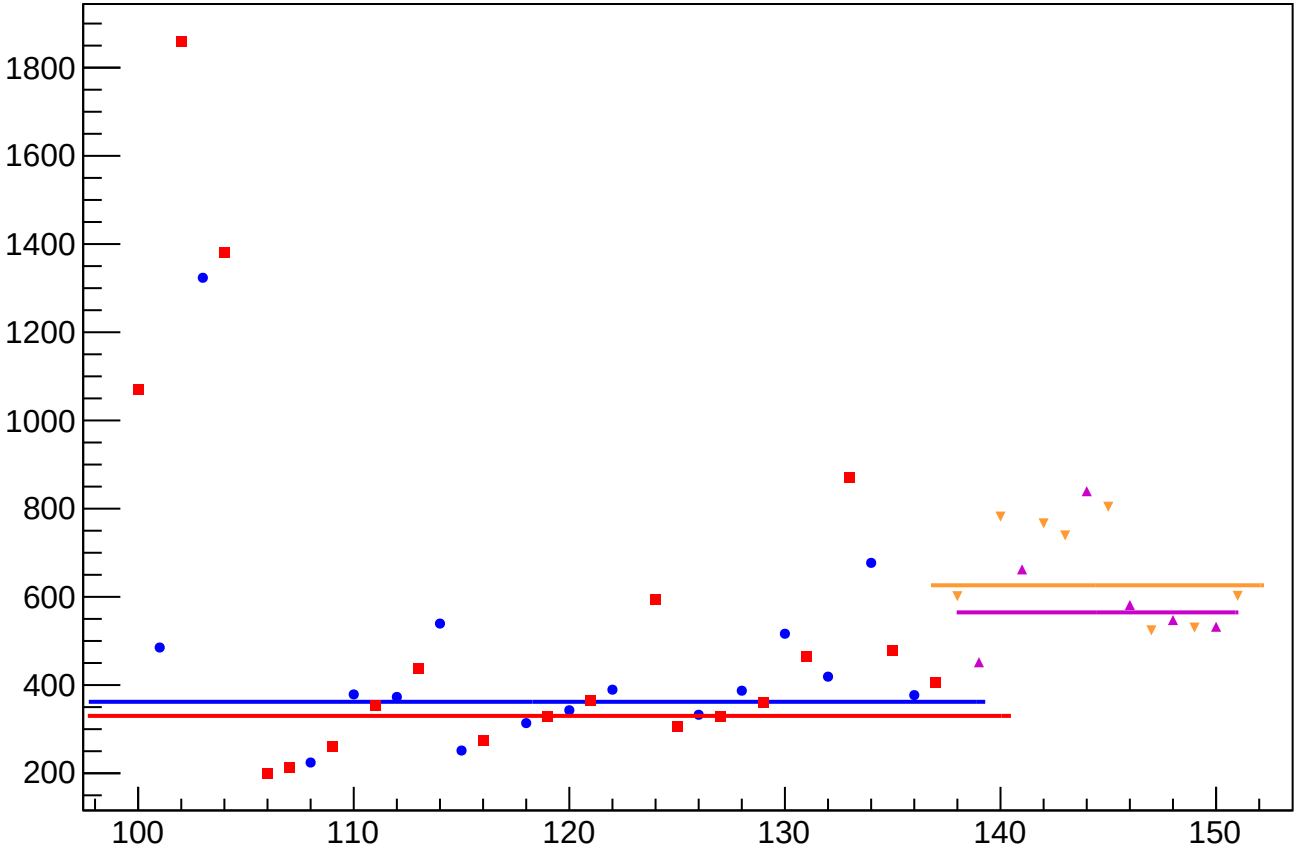
Left In: 0.323+/-0.253 χ^2/NDF:8.6/5

+ sign 0.004+/-0.126 χ^2/NDF: 20.2/23

All: -0.035+/-0.087 χ^2/NDF: 56.0/48

- sign -0.071+/-0.121 χ^2/NDF: 35.6/24

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 626.237+/-0.182 χ^2/NDF:331882.8/7

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

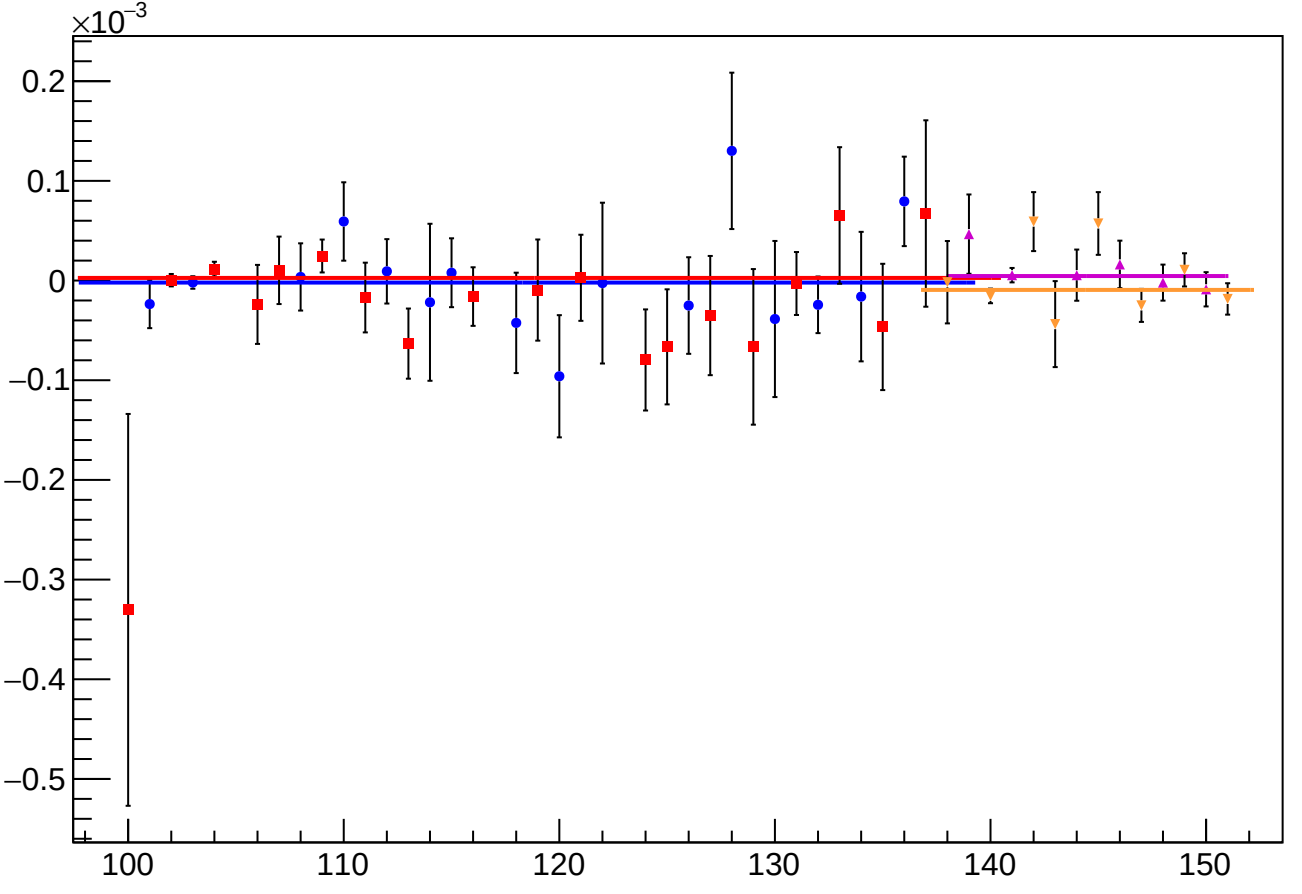
Left In: 564.792+/-0.179 χ^2/NDF:336556.1/5

+ sign 425.432+/-0.089 χ^2/NDF: 3309390.6/23

All: 403.564+/-0.062 χ^2/NDF: 7336150.4/48

- sign 383.522+/-0.085 χ^2/NDF: 3911560.0/24

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:13.9/7

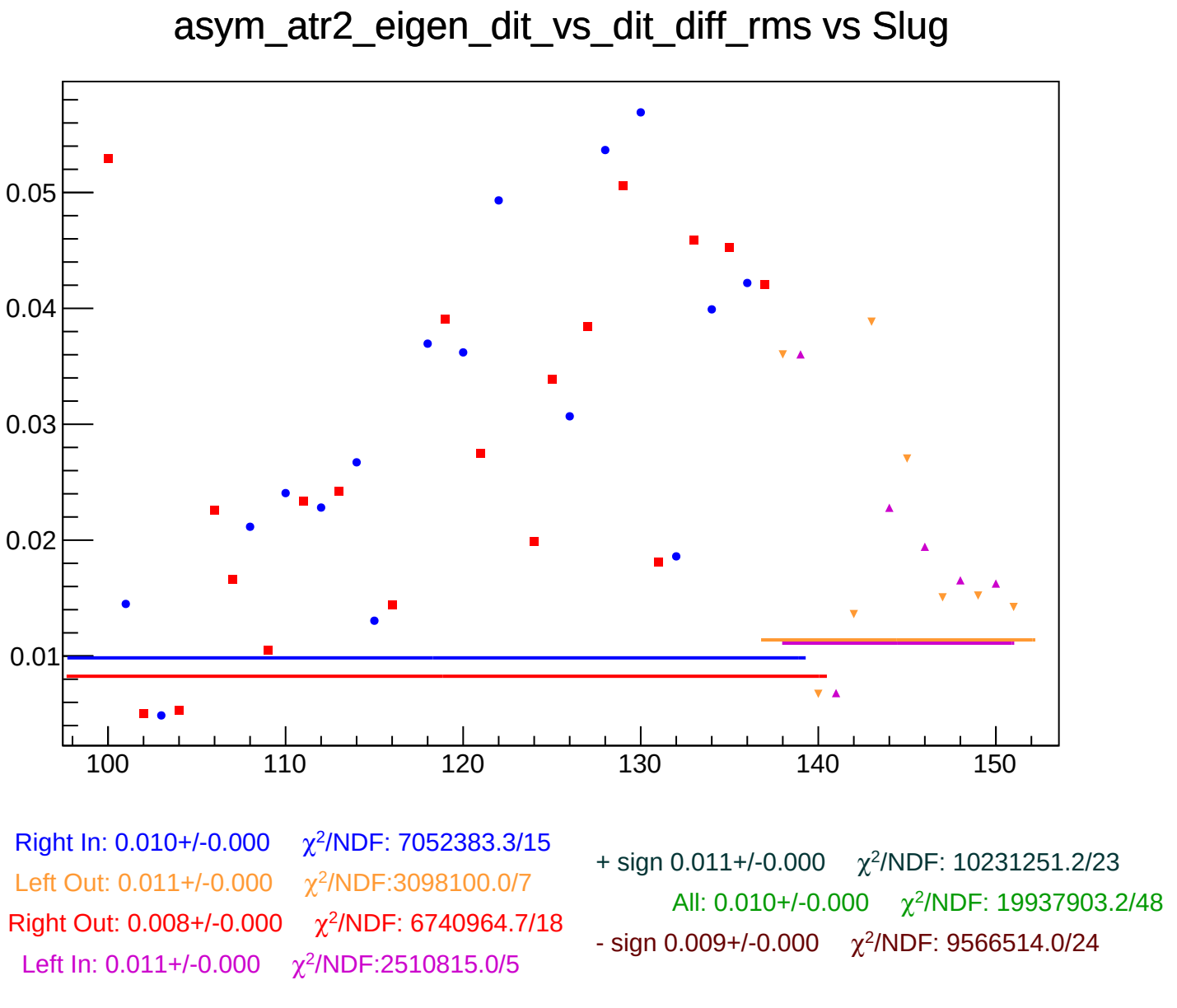
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

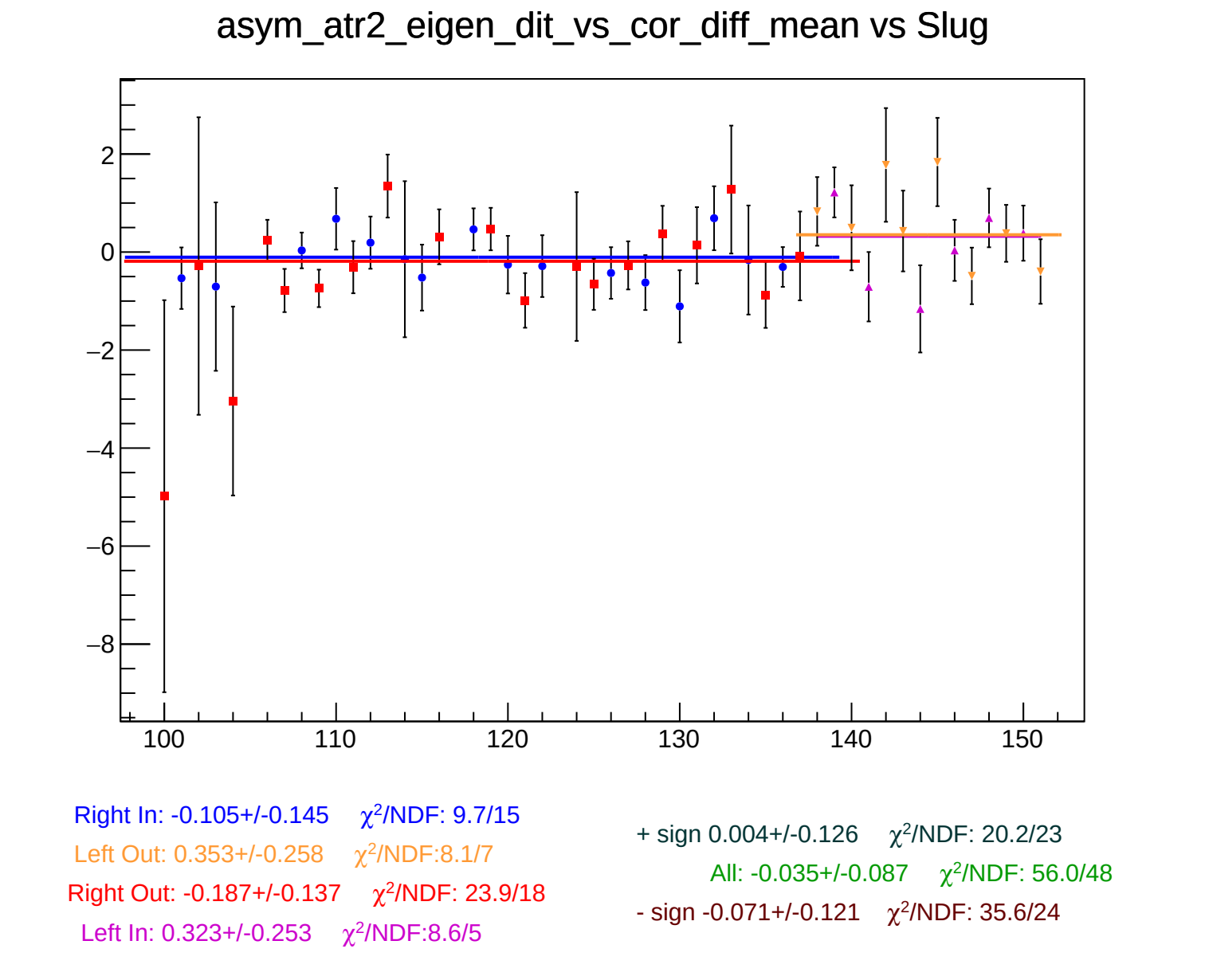
Left In: 0.000+/-0.000 χ^2/NDF:2.1/5

+ sign -0.000+/-0.000 χ^2/NDF: 28.5/23

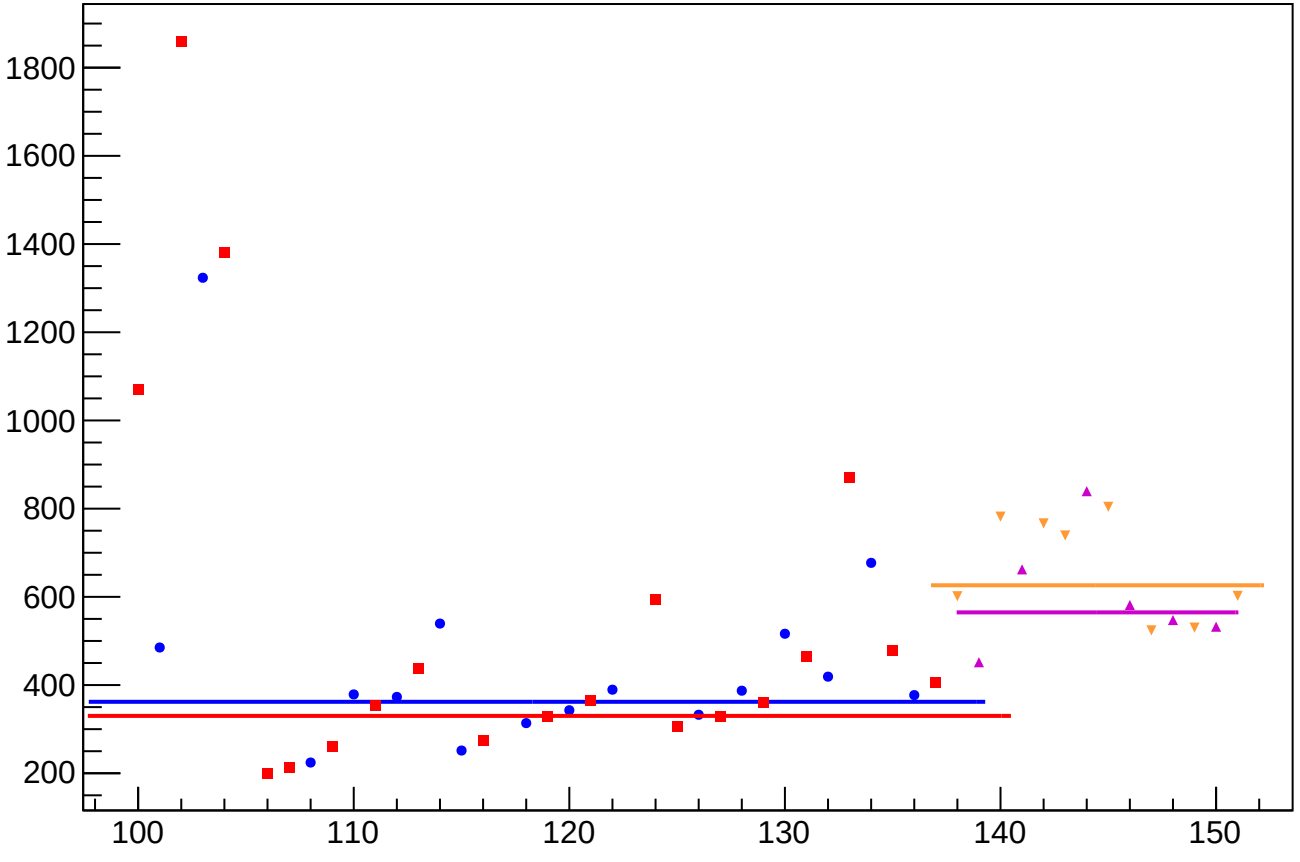
All: -0.000+/-0.000 χ^2/NDF: 51.9/48

- sign 0.000+/-0.000 χ^2/NDF: 20.4/24


asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug
0.05
0.04
0.03
0.02
0.01
100
110
120
130
140
150
Right In: 0.010+/-0.000 χ²/NDF: 7052383.3/15
Left Out: 0.011+/-0.000 χ²/NDF:3098100.0/7
Right Out: 0.008+/-0.000 χ²/NDF: 6740964.7/18
Left In: 0.011+/-0.000 χ²/NDF:2510815.0/5
+ sign 0.011+/-0.000 χ²/NDF: 10231251.2/23
All: 0.010+/-0.000 χ²/NDF: 19937903.2/48
- sign 0.009+/-0.000 χ²/NDF: 9566514.0/24


asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug
2
0
−2
−4
−6
−8
100
110
120
130
140
150
Right In: -0.105+/-0.145 χ²/NDF: 9.7/15
Left Out: 0.353+/-0.258 χ²/NDF:8.1/7
Right Out: -0.187+/-0.137 χ²/NDF: 23.9/18
Left In: 0.323+/-0.253 χ²/NDF:8.6/5
+ sign 0.004+/-0.126 χ²/NDF: 20.2/23
All: -0.035+/-0.087 χ²/NDF: 56.0/48
- sign -0.071+/-0.121 χ²/NDF: 35.6/24

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 626.246+/-0.182 χ^2/NDF:331869.0/7

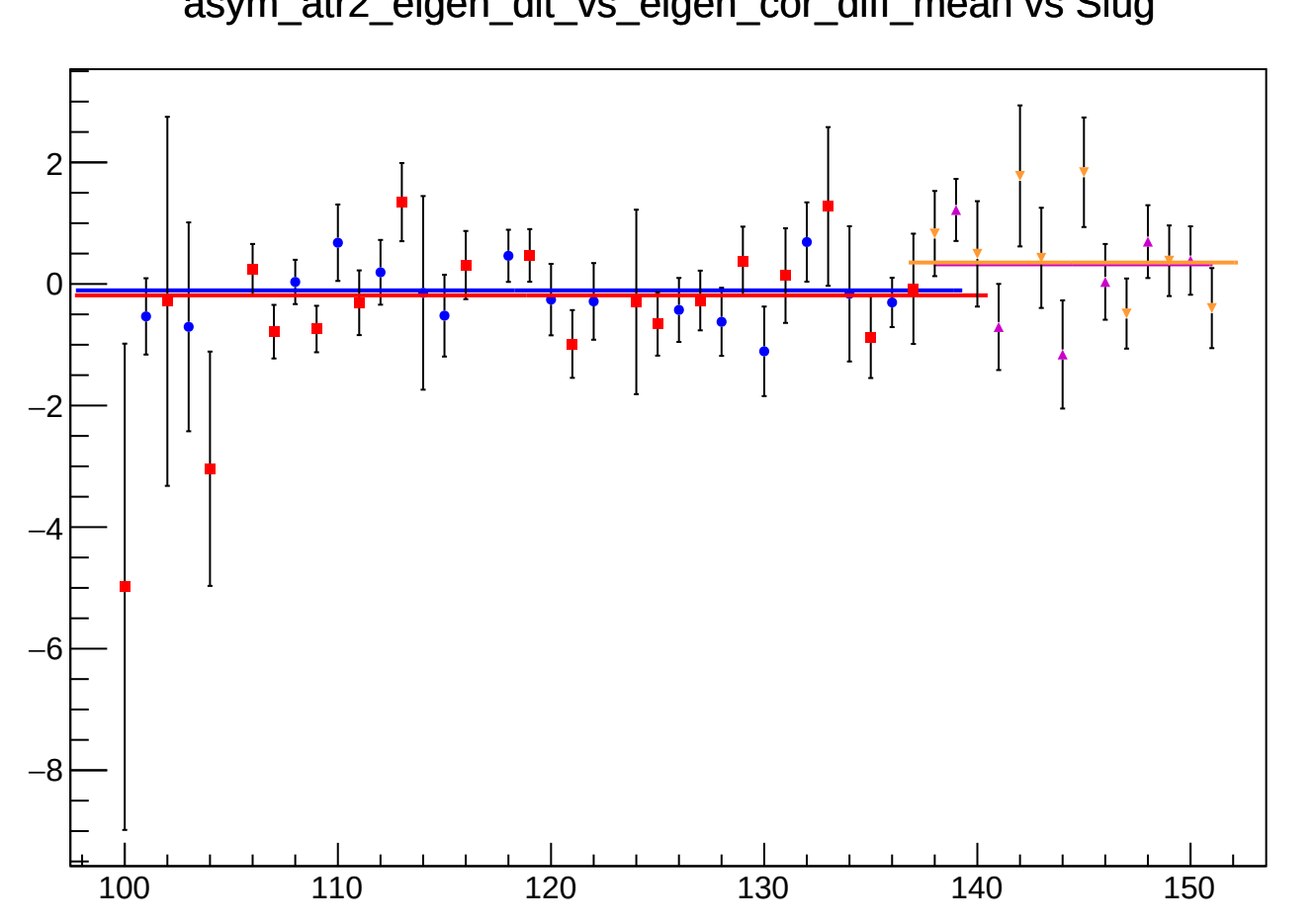
Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 564.801+/-0.179 χ^2/NDF:336540.2/5

+ sign 425.430+/-0.089 χ^2/NDF: 3309491.9/23

All: 403.563+/-0.062 χ^2/NDF: 7336308.3/48

- sign 383.521+/-0.085 χ^2/NDF: 3911623.5/24



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.353+/-0.258 χ^2/NDF:8.1/7

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

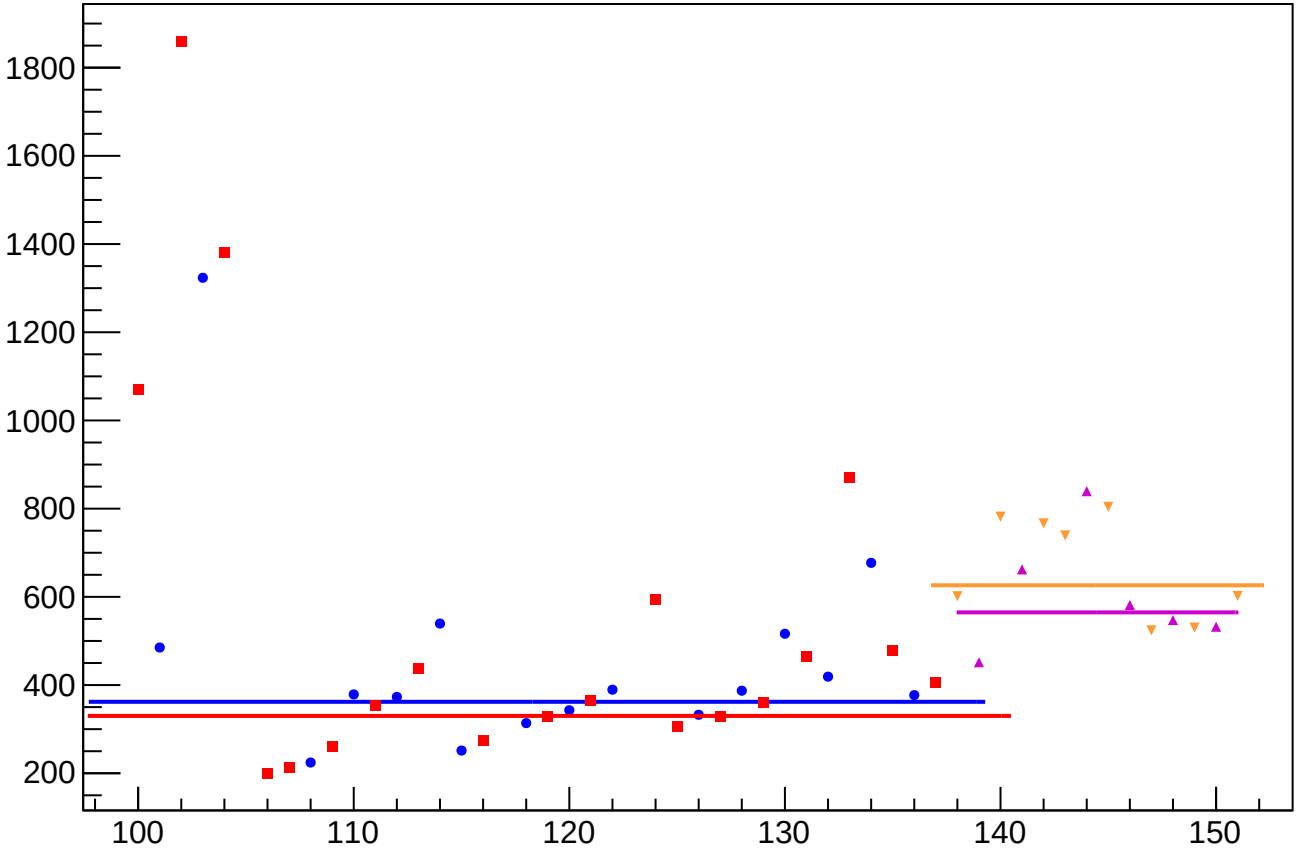
Left In: 0.323+/-0.253 χ^2/NDF:8.6/5

+ sign 0.004+/-0.126 χ^2/NDF: 20.2/23

All: -0.035+/-0.087 χ^2/NDF: 56.0/48

- sign -0.071+/-0.121 χ^2/NDF: 35.6/24

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 626.246+/-0.182 χ^2/NDF:331869.0/7

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

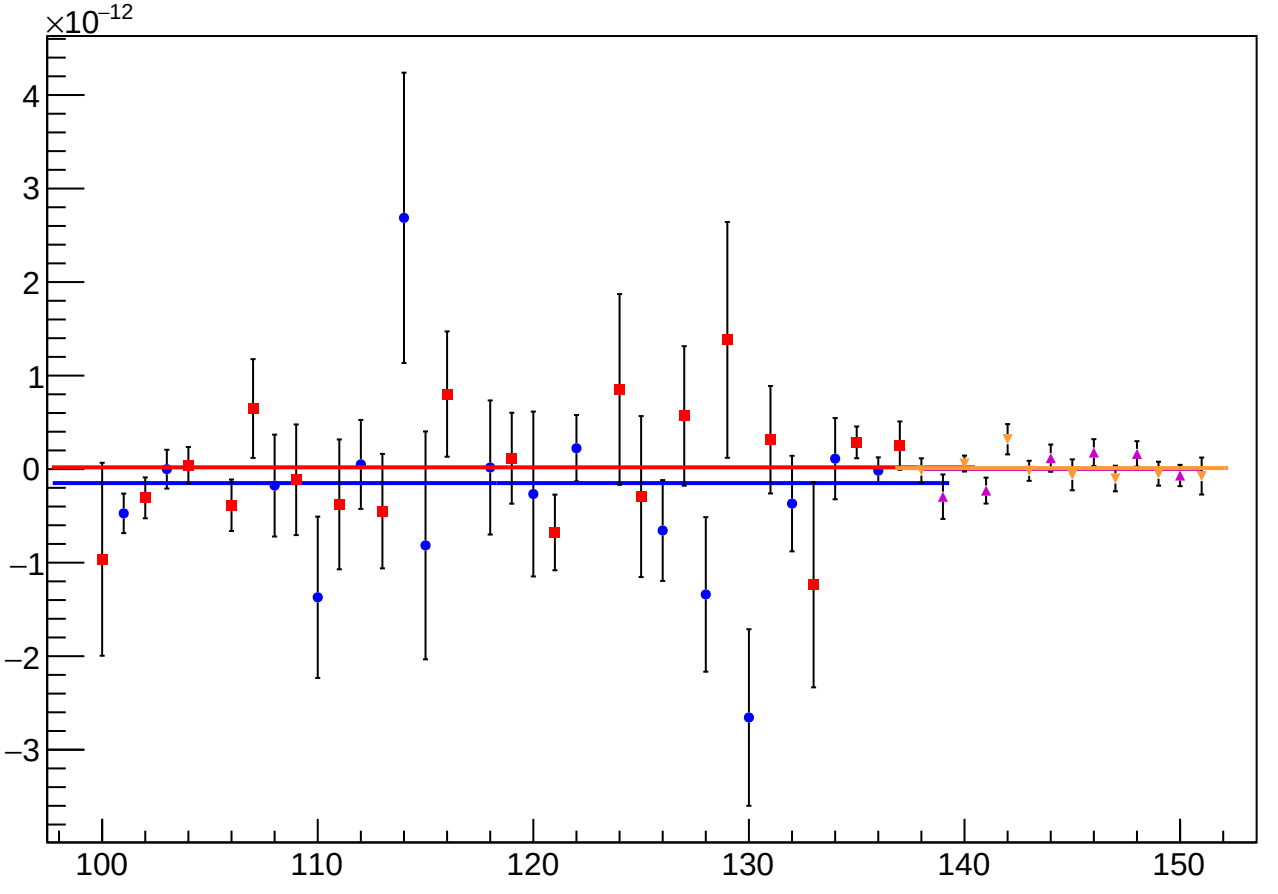
Left In: 564.801+/-0.179 χ^2/NDF:336540.2/5

+ sign 425.430+/-0.089 χ^2/NDF: 3309491.9/23

All: 403.563+/-0.062 χ^2/NDF: 7336308.3/48

- sign 383.521+/-0.085 χ^2/NDF: 3911623.5/24

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:5.3/7

Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

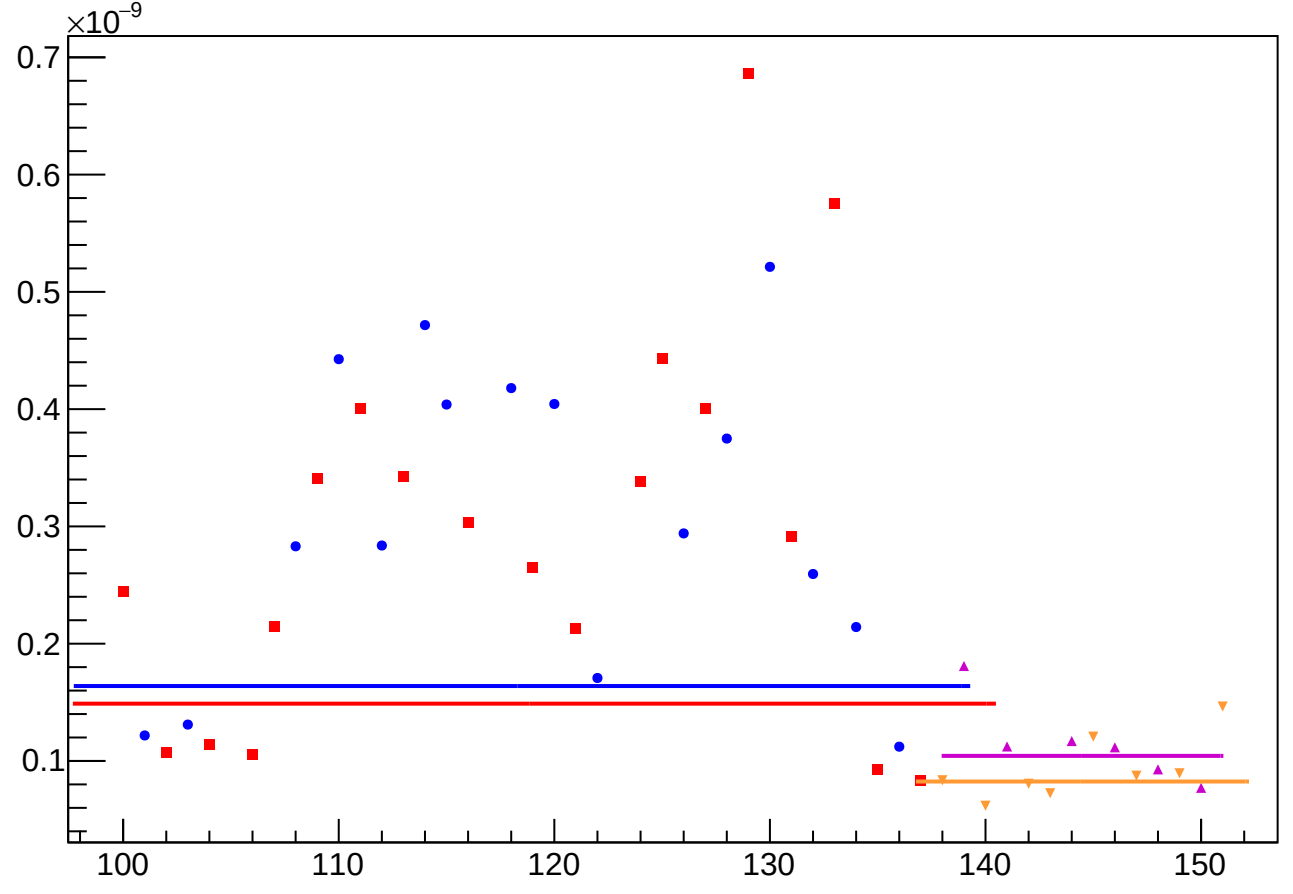
Left In: 0.000+/-0.000 χ^2/NDF:8.3/5

+ sign -0.000+/-0.000 χ^2/NDF: 29.2/23

All: -0.000+/-0.000 χ^2/NDF: 57.2/48

- sign 0.000+/-0.000 χ^2/NDF: 27.7/24

asym_atr2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:460620.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2846265.5/18

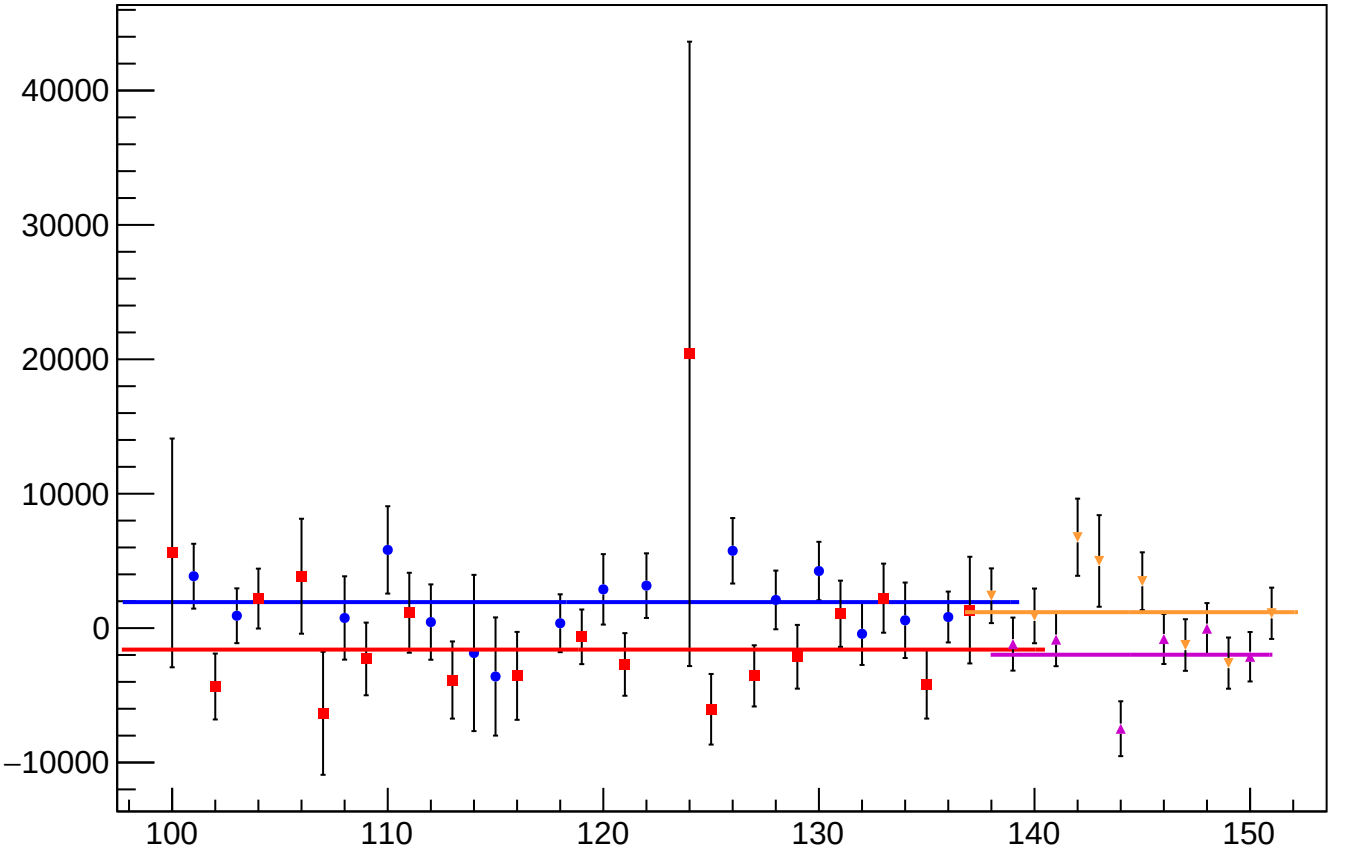
Left In: 0.000+/-0.000 χ^2/NDF:363965.4/5

+ sign 0.000+/-0.000 χ^2/NDF: 3849029.1/23

All: 0.000+/-0.000 χ^2/NDF: 7637304.0/48

- sign 0.000+/-0.000 χ^2/NDF: 3593571.7/24

reg_asym_atl_avg_mean vs Slug



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1186.514+/-760.530 χ^2/NDF:12.1/7

Right Out: -1597.959+/-642.207 χ^2/NDF: 19.4/18

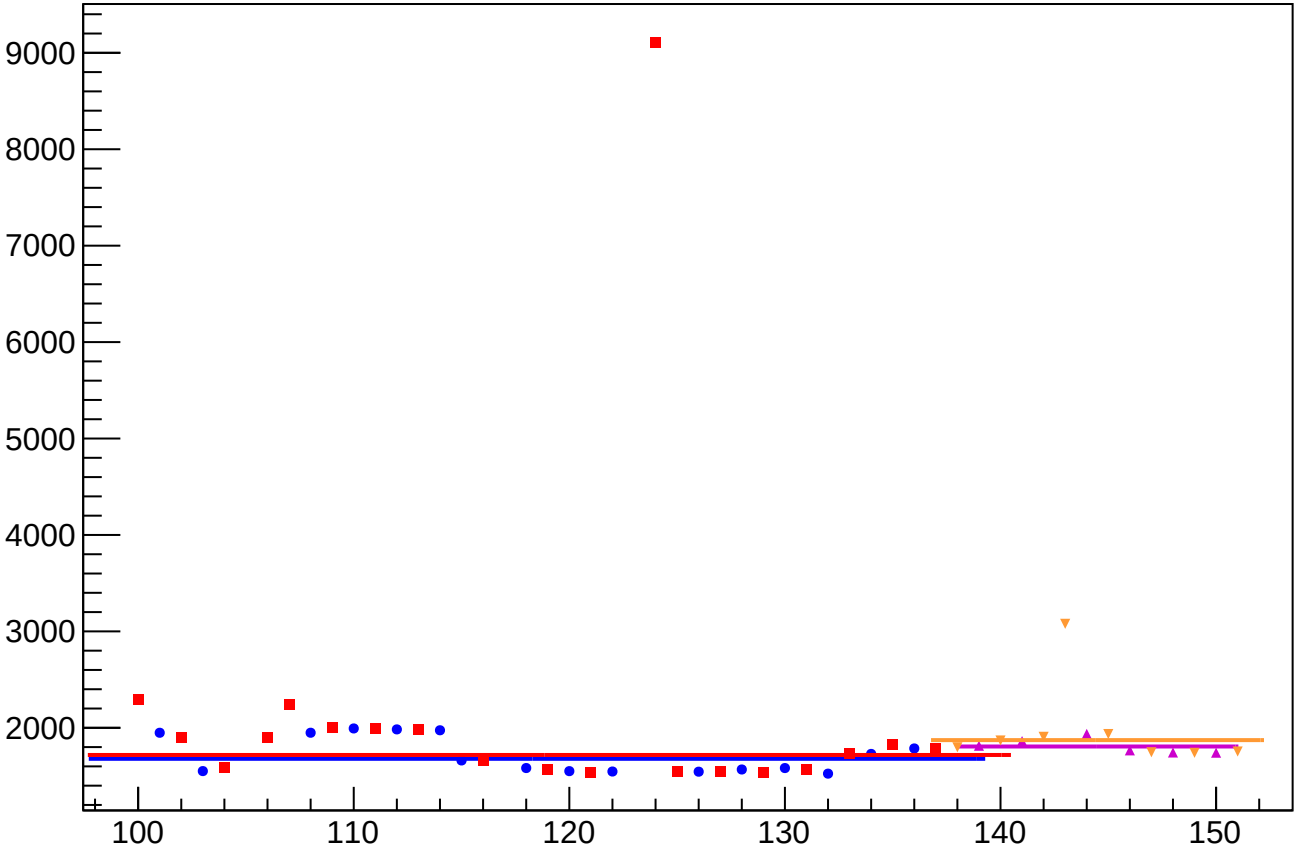
Left In: -1980.238+/-787.318 χ^2/NDF:9.2/5

+ sign 1631.479+/-484.189 χ^2/NDF: 23.6/23

All: -13.251+/-347.034 χ^2/NDF: 76.1/48

- sign -1750.689+/-497.648 χ^2/NDF: 28.7/24

reg_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1872.325+/-0.538 χ^2/NDF:281092.8/7

Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

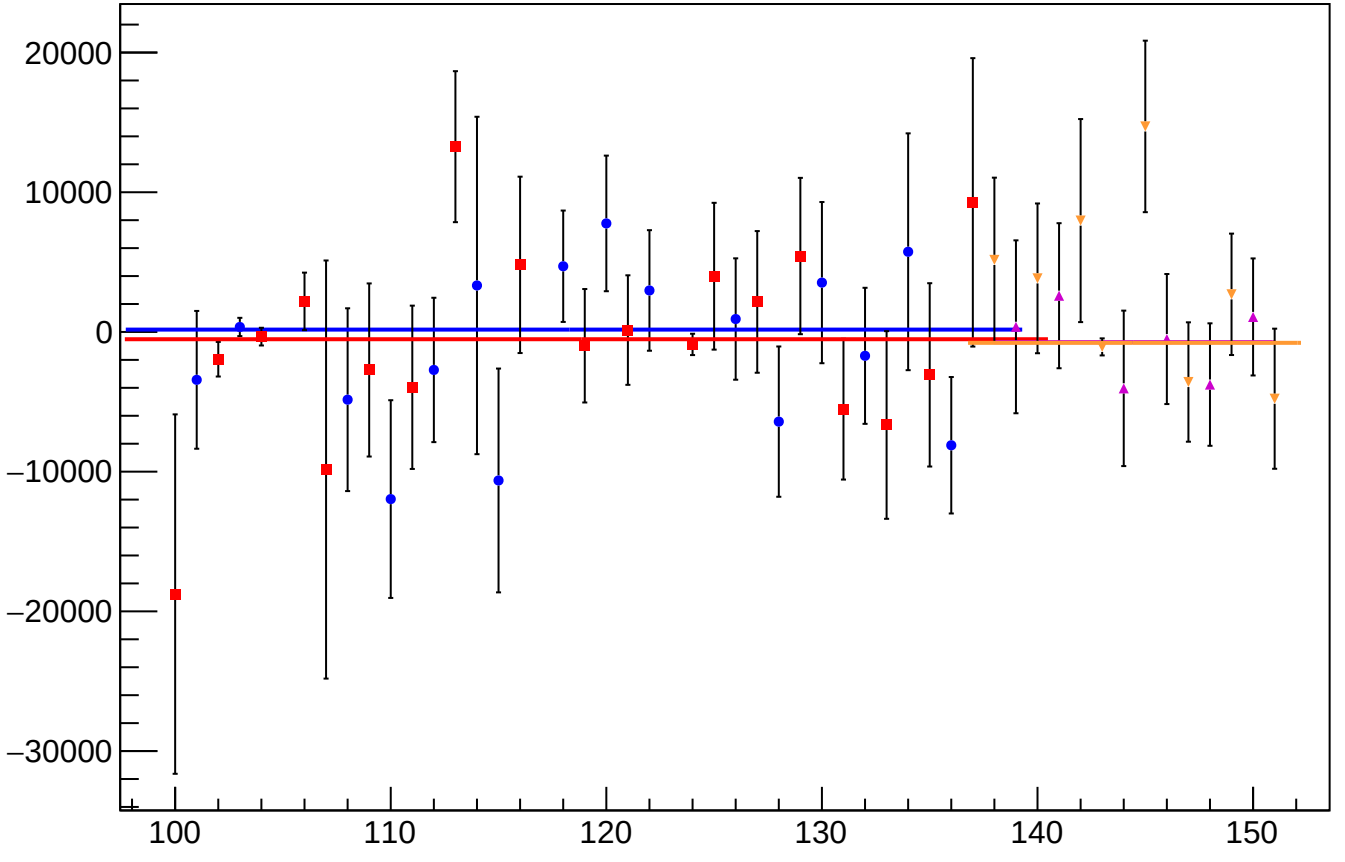
Left In: 1806.191+/-0.557 χ^2/NDF:15350.8/5

\+ sign 1757.086+/-0.342 χ^2/NDF: 499791.6/23

All: 1755.202+/-0.245 χ^2/NDF: 913402.5/48

\- sign 1753.222+/-0.351 χ^2/NDF: 413548.8/24

asym_atl_avg_reg_correction_mean vs Slug



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -779.094+/-583.149 χ^2/NDF:11.5/7

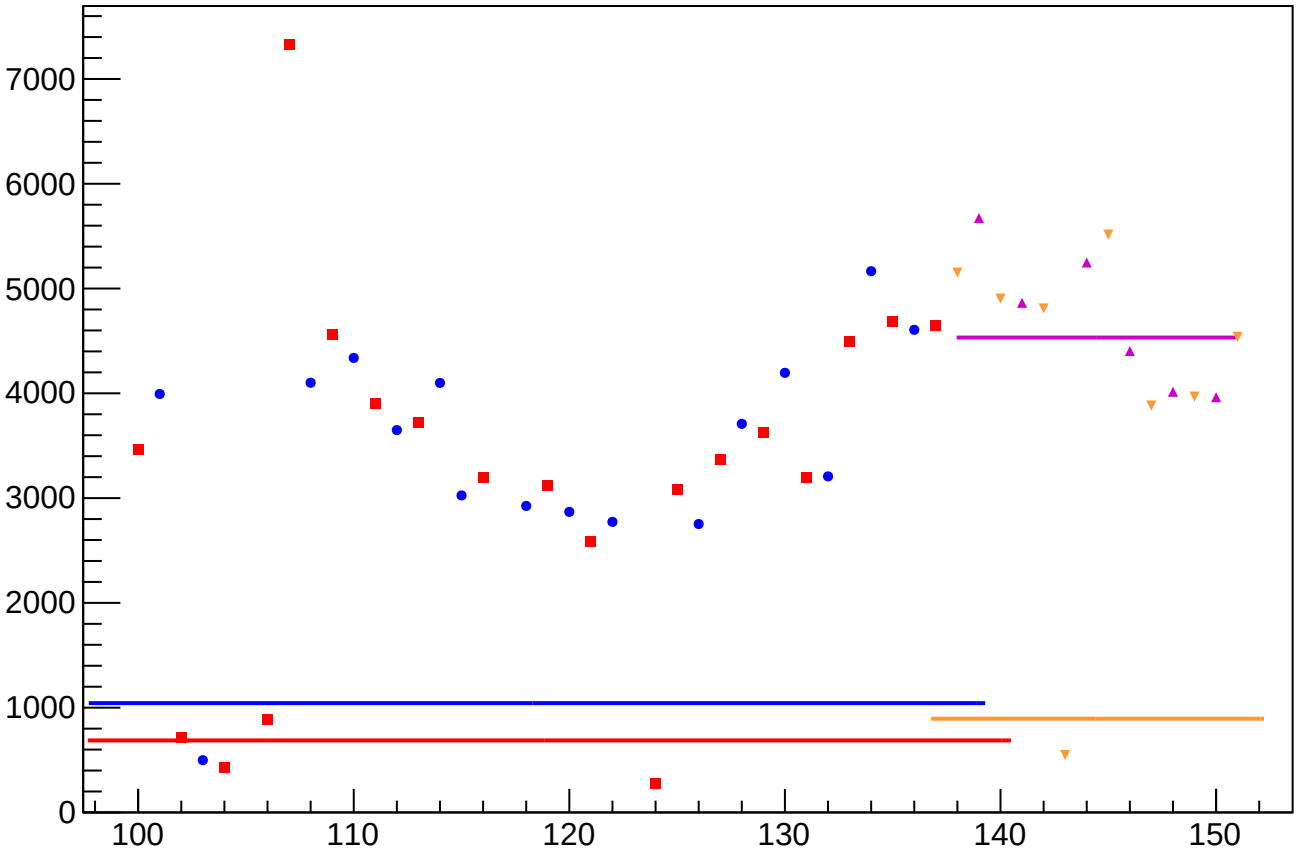
Right Out: -521.080+/-424.783 χ^2/NDF: 18.5/18

Left In: -729.363+/-1997.161 χ^2/NDF:1.5/5

\+ sign -312.226+/-415.306 χ^2/NDF: 28.6/23

All: -421.113+/-293.730 χ^2/NDF: 48.8/48

\- sign -530.095+/-415.489 χ^2/NDF: 20.0/24



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 894.857+/-0.412 χ^2/NDF:7558767.2/7

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

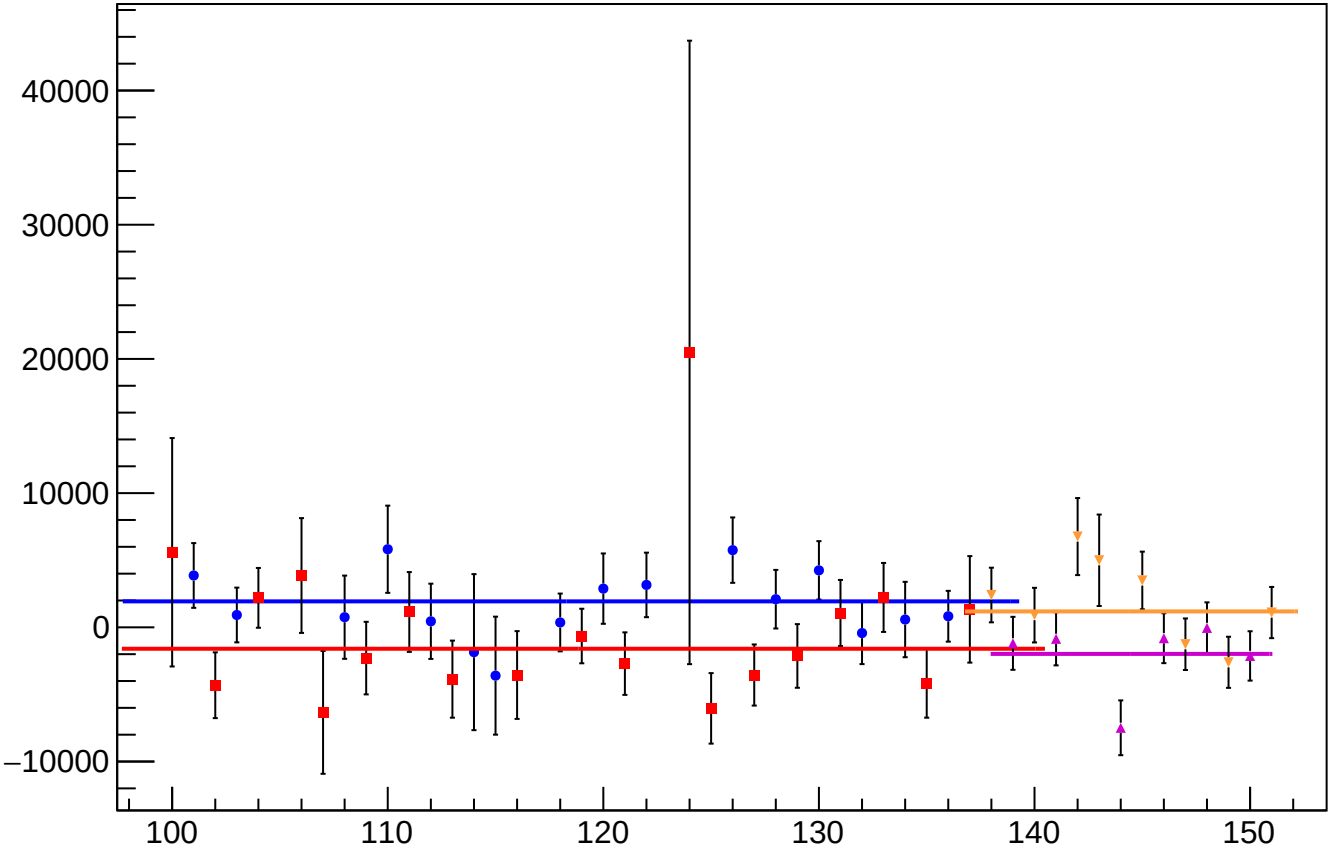
Left In: 4532.084+/-1.412 χ^2/NDF:175644.7/5

+ sign 967.920+/-0.294 χ^2/NDF: 15734371.9/23

All: 910.851+/-0.208 χ^2/NDF: 31708411.4/48

- sign 853.732+/-0.294 χ^2/NDF: 15898476.4/24

cor_asym_atl_avg_mean vs Slug



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1186.402+/-760.530 χ^2/NDF:12.1/7

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

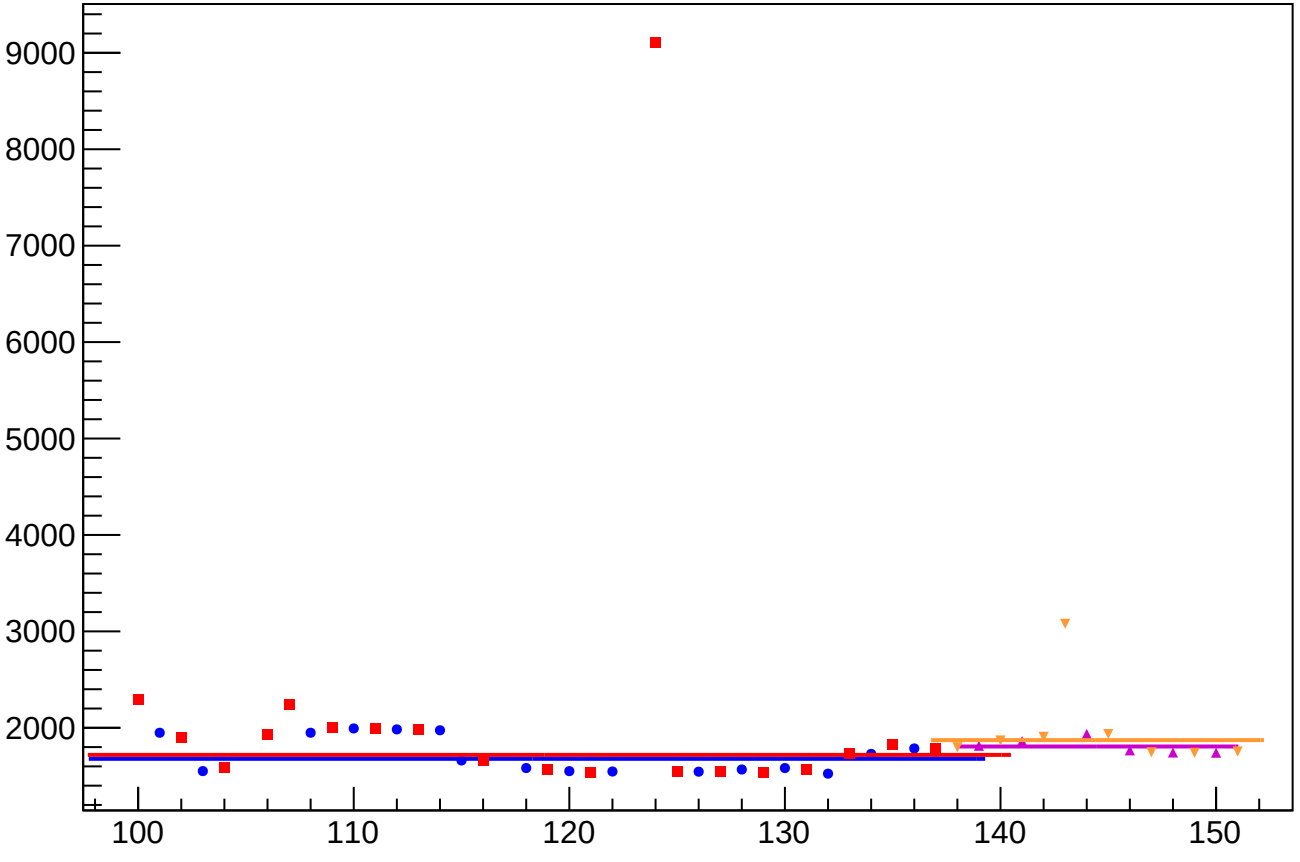
Left In: -1980.391+/-787.318 χ^2/NDF:9.2/5

+ sign 1631.502+/-484.189 χ^2/NDF: 23.6/23

All: -12.549+/-347.035 χ^2/NDF: 76.0/48

- sign -1749.288+/-497.650 χ^2/NDF: 28.7/24

cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1872.325+/-0.538 χ^2/NDF:281092.8/7

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

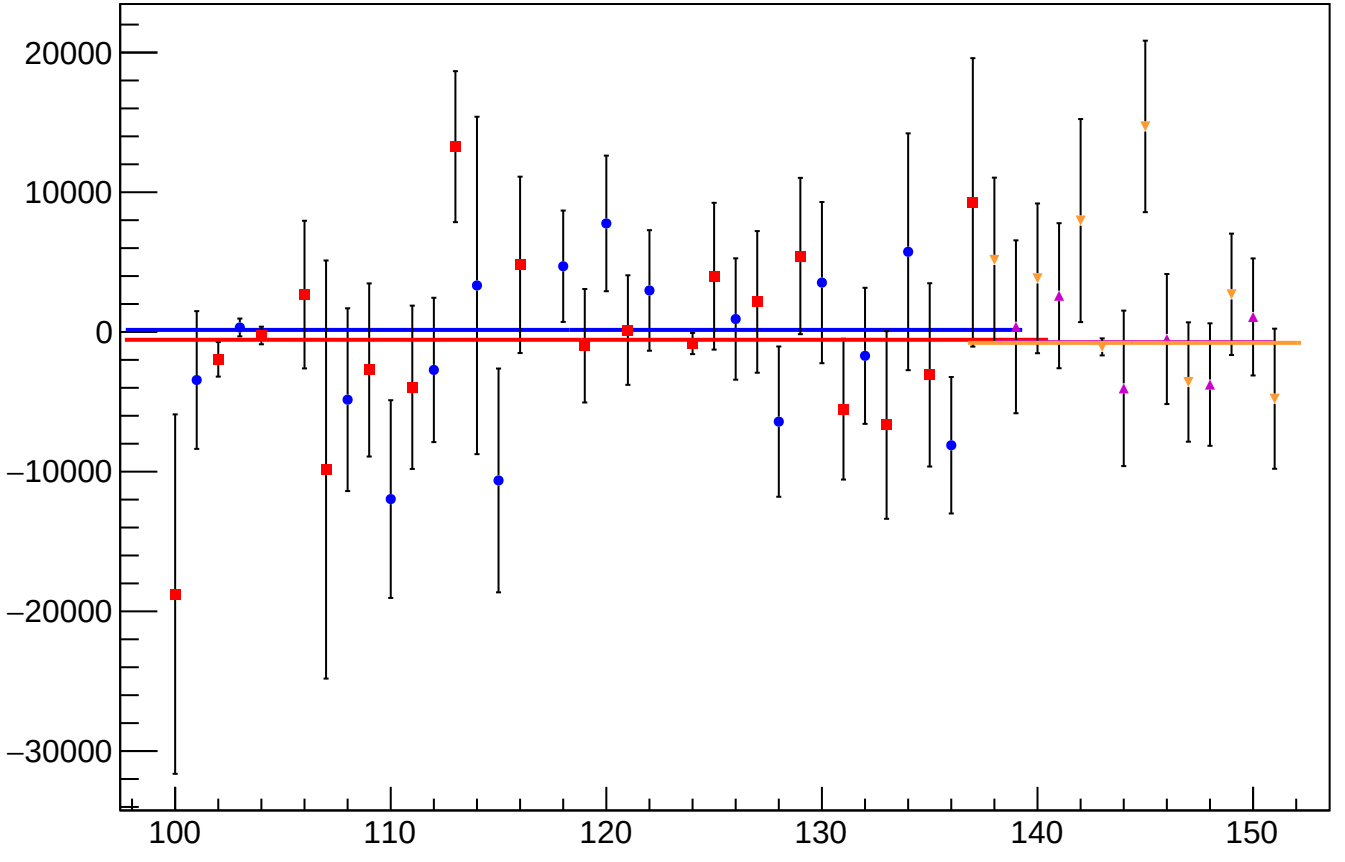
Left In: 1806.191+/-0.557 χ^2/NDF:15350.8/5

+ sign 1757.086+/-0.342 χ^2/NDF: 499791.8/23

All: 1755.458+/-0.245 χ^2/NDF: 914840.4/48

- sign 1753.746+/-0.351 χ^2/NDF: 415002.2/24

asym_atl_avg_cor_correction_mean vs Slug



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -778.748+/-583.127 χ^2/NDF:11.5/7

Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

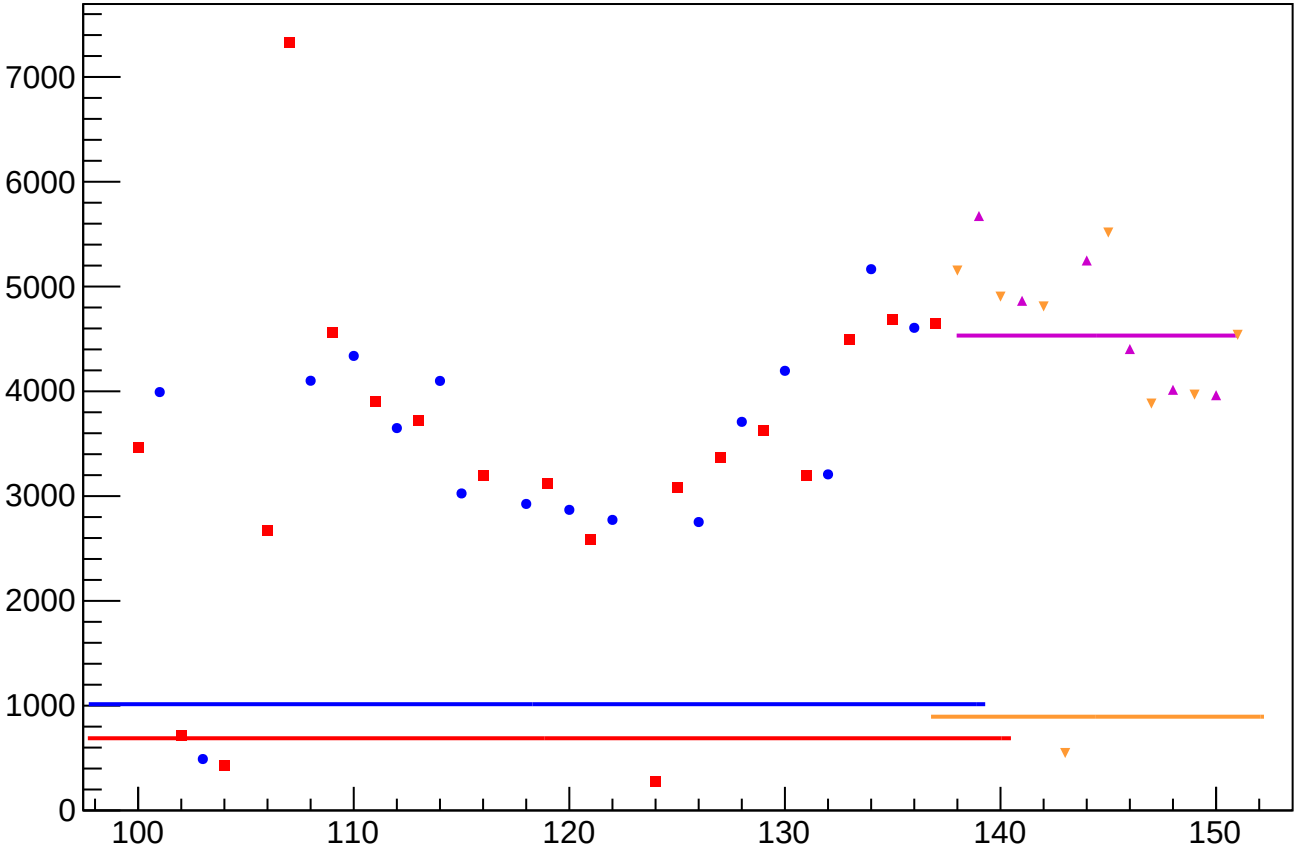
Left In: -729.466+/-1997.157 χ^2/NDF:1.5/5

+ sign -313.099+/-410.993 χ^2/NDF: 28.6/23

All: -437.948+/-294.072 χ^2/NDF: 47.4/48

- sign -568.918+/-420.947 χ^2/NDF: 18.7/24

asym_atl_avg_cor_correction_rms vs Slug



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 894.811+/-0.412 χ^2/NDF:7558905.2/7

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

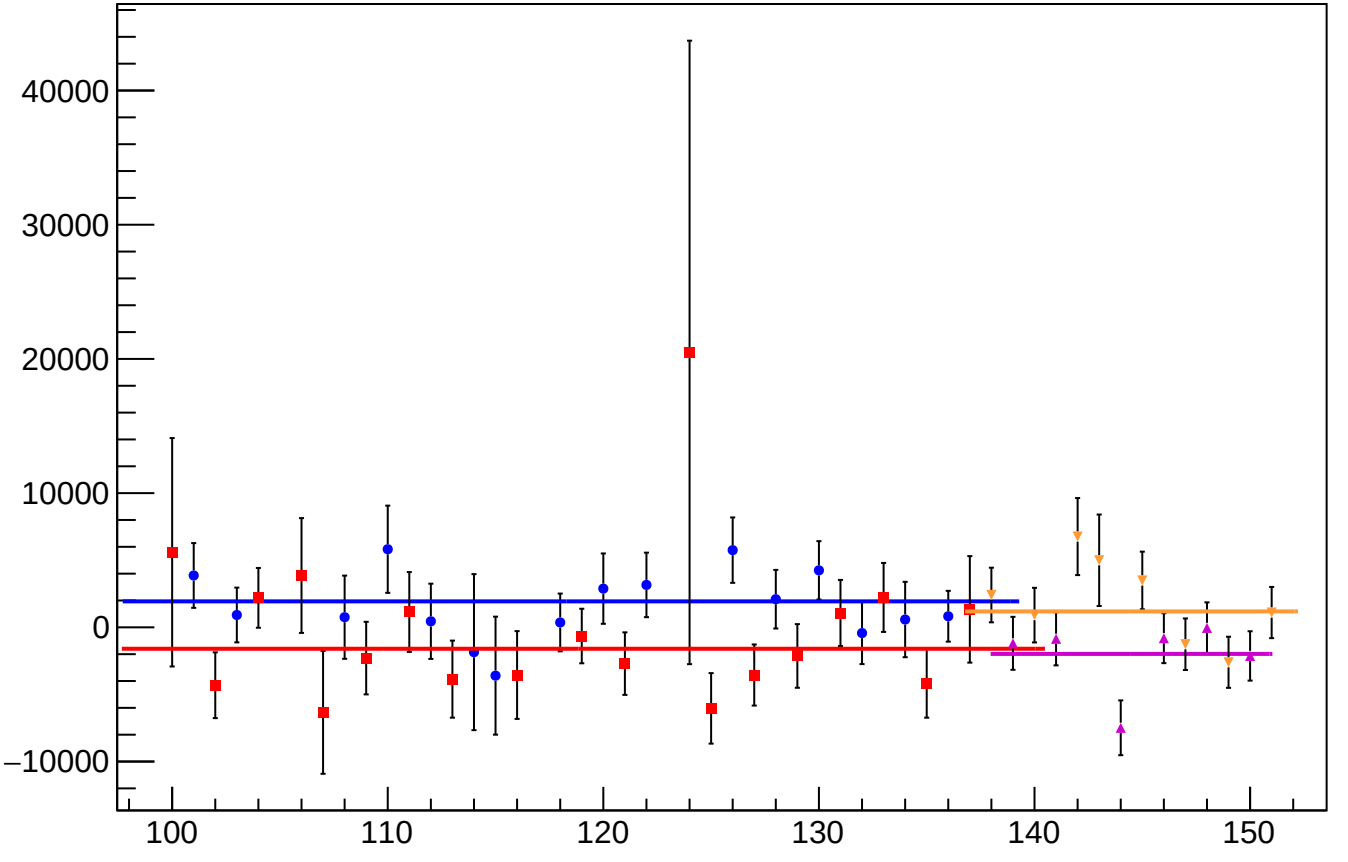
Left In: 4532.075+/-1.412 χ^2/NDF:175646.8/5

+ sign 954.840+/-0.291 χ^2/NDF: 15824038.0/23

All: 908.448+/-0.208 χ^2/NDF: 32038715.9/48

- sign 859.782+/-0.298 χ^2/NDF: 16162464.0/24

eigen_cor_asym_atl_avg_mean vs Slug



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1186.402+/-760.530 χ^2/NDF:12.1/7

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

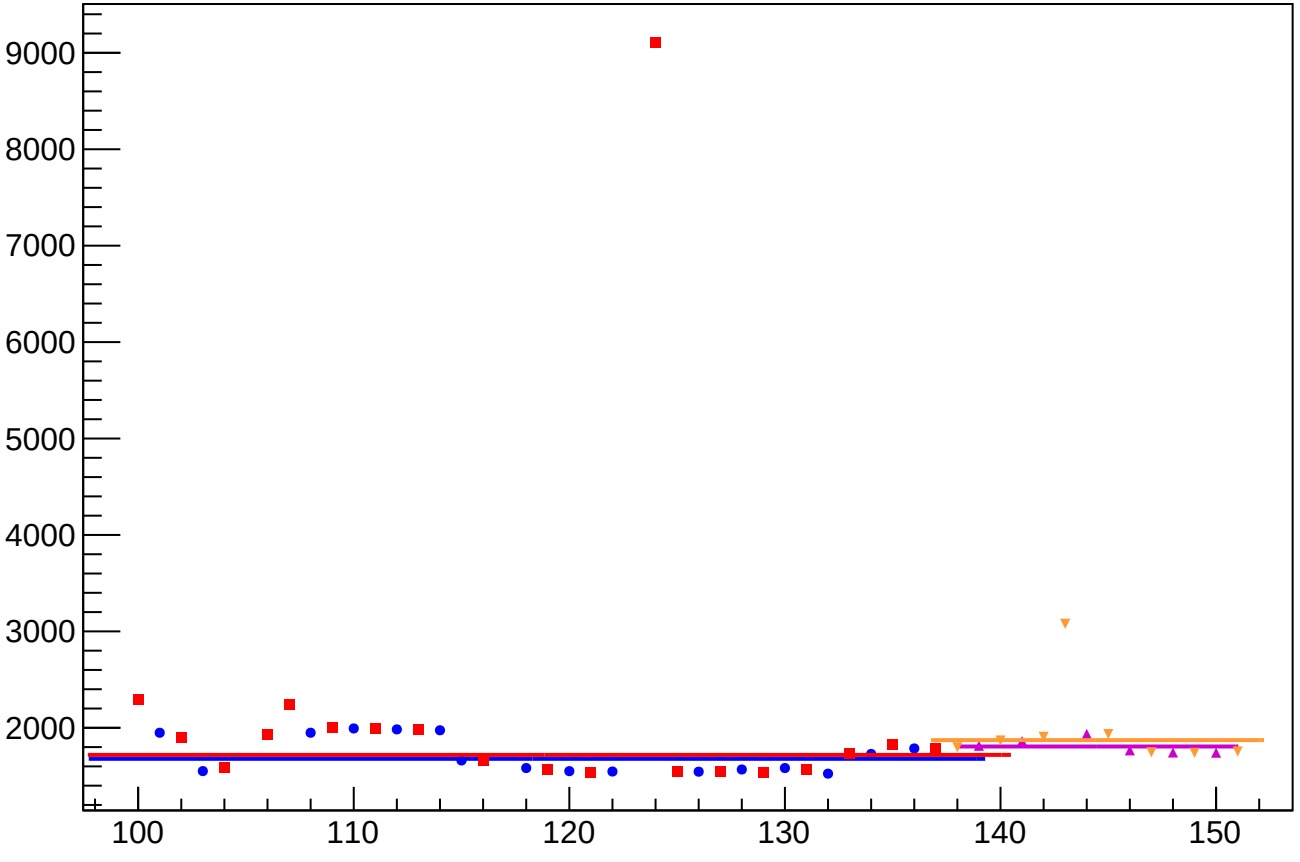
Left In: -1980.391+/-787.318 χ^2/NDF:9.2/5

+ sign 1631.502+/-484.189 χ^2/NDF: 23.6/23

All: -12.549+/-347.035 χ^2/NDF: 76.0/48

- sign -1749.288+/-497.650 χ^2/NDF: 28.7/24

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1872.325+/-0.538 χ^2/NDF:281092.8/7

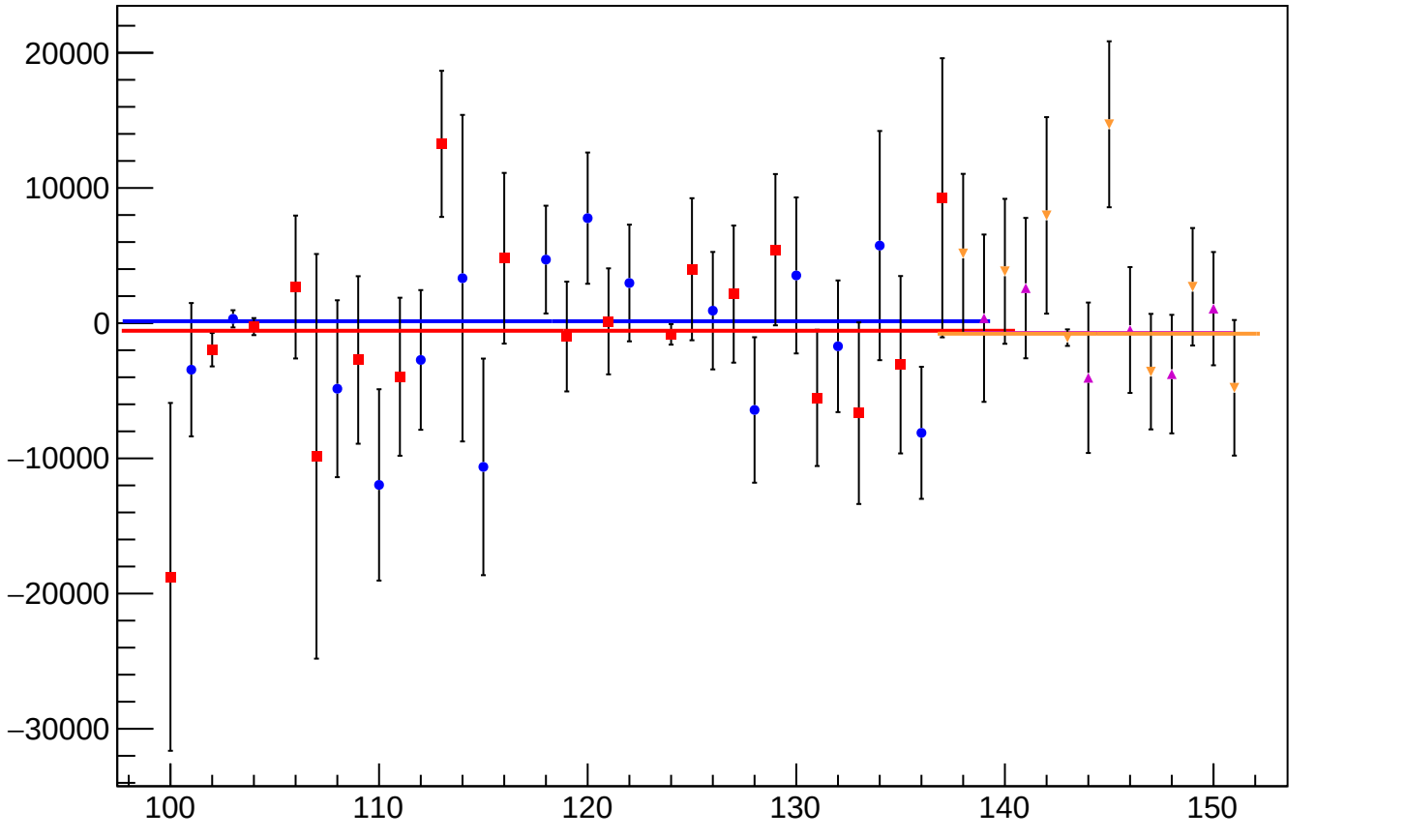
Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1806.191+/-0.557 χ^2/NDF:15350.8/5

+ sign 1757.086+/-0.342 χ^2/NDF: 499791.8/23

All: 1755.458+/-0.245 χ^2/NDF: 914840.4/48

- sign 1753.746+/-0.351 χ^2/NDF: 415002.2/24



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -778.748+/-583.127 χ^2/NDF:11.5/7

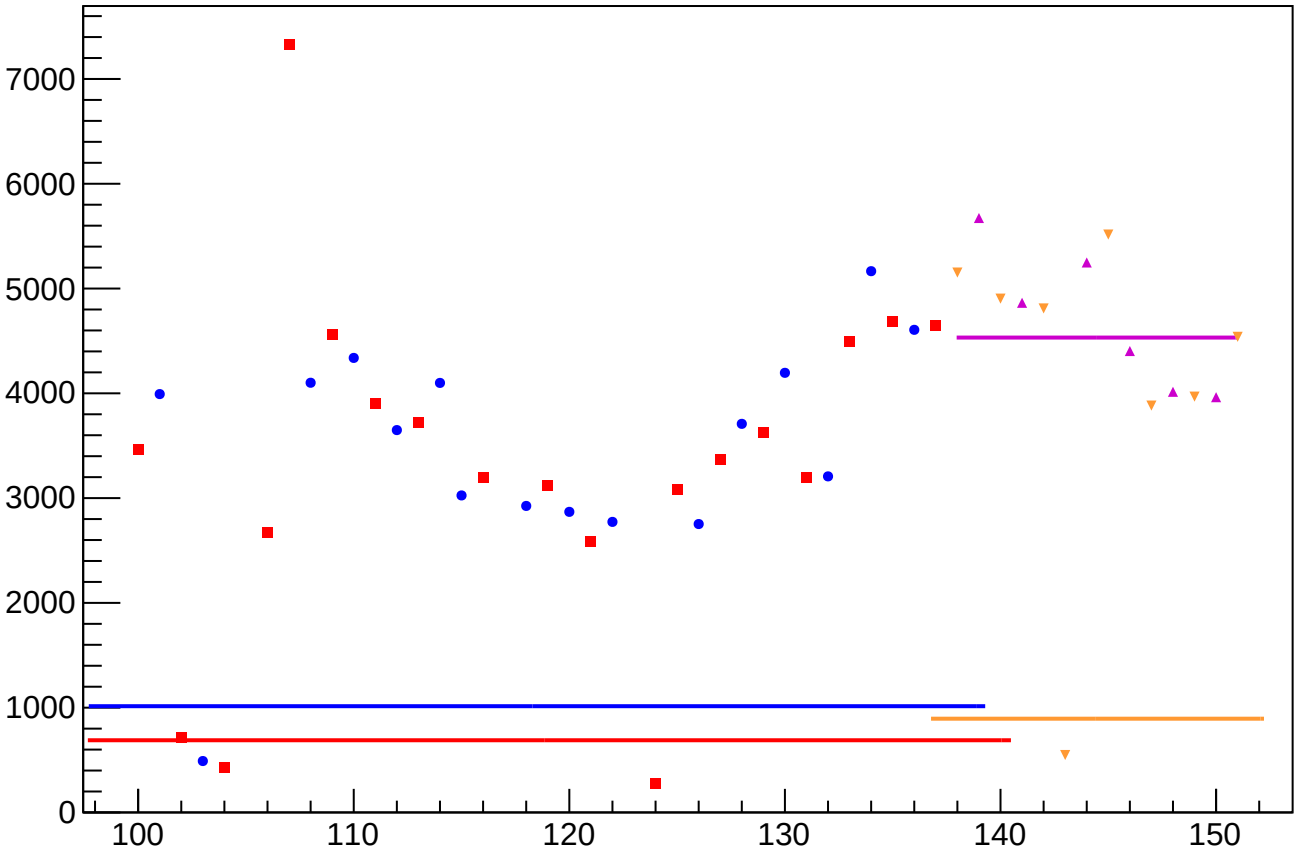
Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: -729.466+/-1997.157 χ^2/NDF:1.5/5

+ sign -313.099+/-410.993 χ^2/NDF: 28.6/23

All: -437.948+/-294.072 χ^2/NDF: 47.4/48

- sign -568.918+/-420.947 χ^2/NDF: 18.7/24



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 894.811+/-0.412 χ^2/NDF:7558905.2/7

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

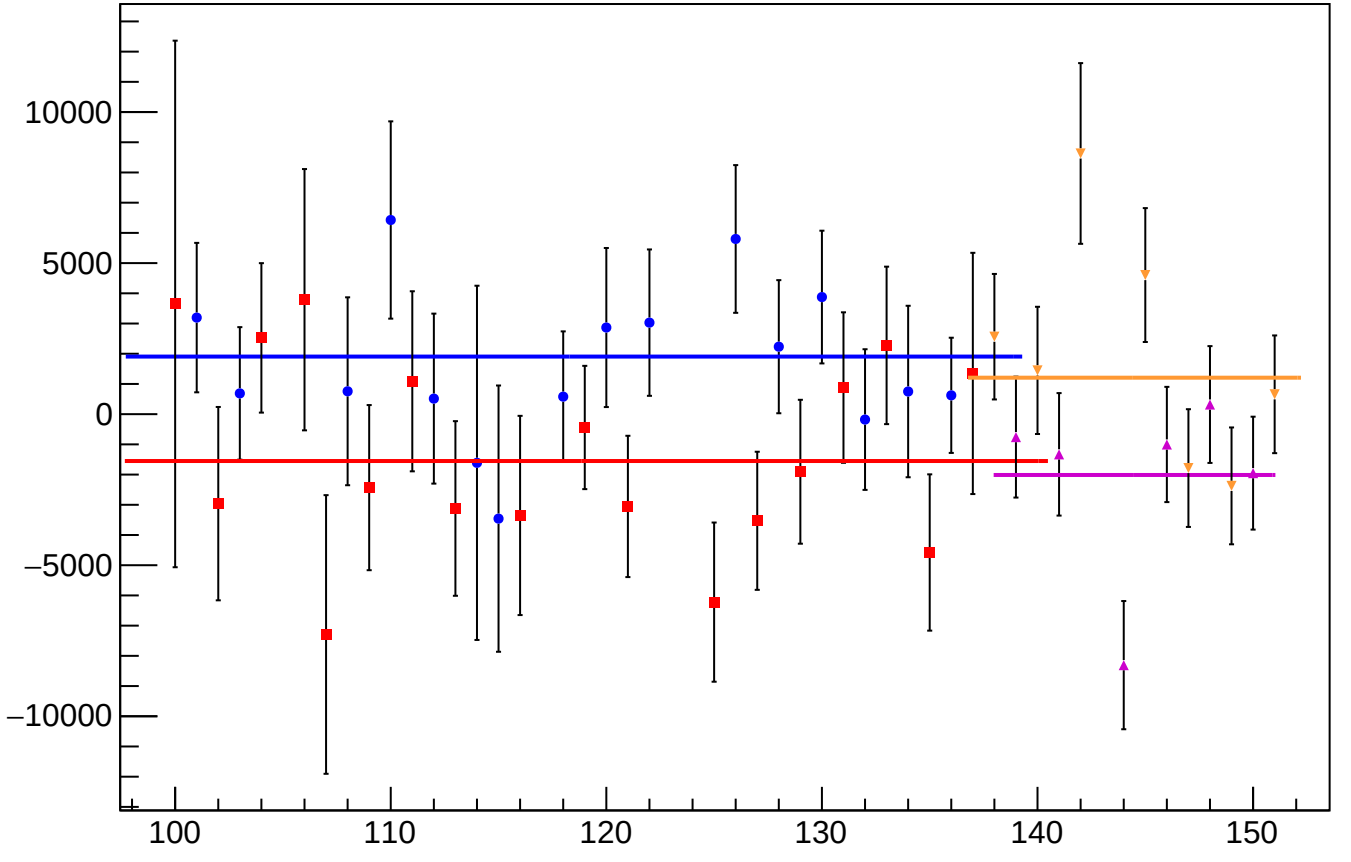
Left In: 4532.075+/-1.412 χ^2/NDF:175646.8/5

+ sign 954.840+/-0.291 χ^2/NDF: 15824038.0/23

All: 908.448+/-0.208 χ^2/NDF: 32038715.9/48

- sign 859.782+/-0.298 χ^2/NDF: 16162464.0/24

dit_asym_atl_avg_mean vs Slug



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 1207.304+/-798.869 χ^2/NDF:14.8/6

Right Out: -1550.986+/-661.054 χ^2/NDF: 17.5/17

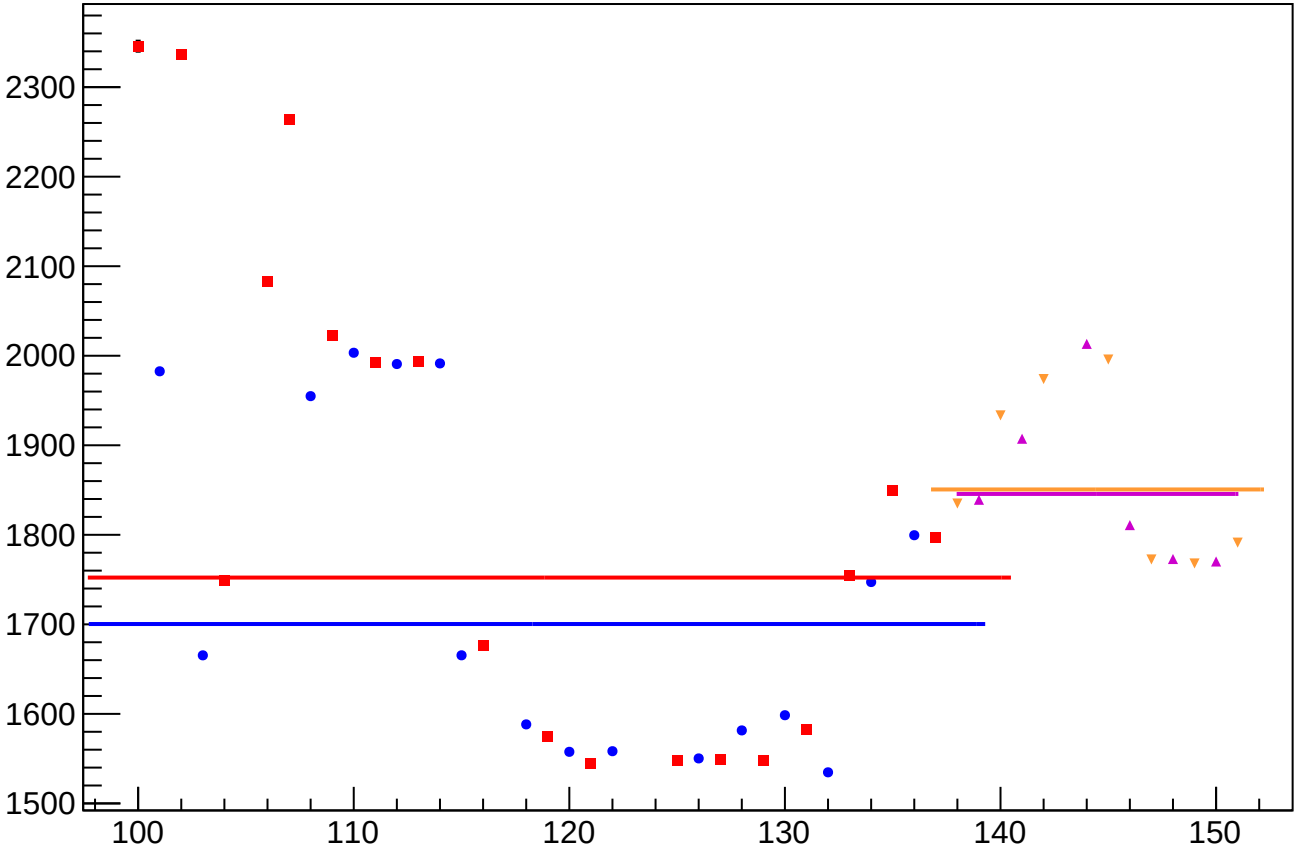
Left In: -2012.965+/-804.810 χ^2/NDF:11.0/5

+ sign 1634.850+/-497.779 χ^2/NDF: 25.5/22

All: -7.513+/-356.506 χ^2/NDF: 76.6/46

- sign -1737.101+/-510.826 χ^2/NDF: 28.7/23

dit_asym_atl_avg_rms vs Slug



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1850.663+/-0.565 χ^2/NDF:23911.0/6

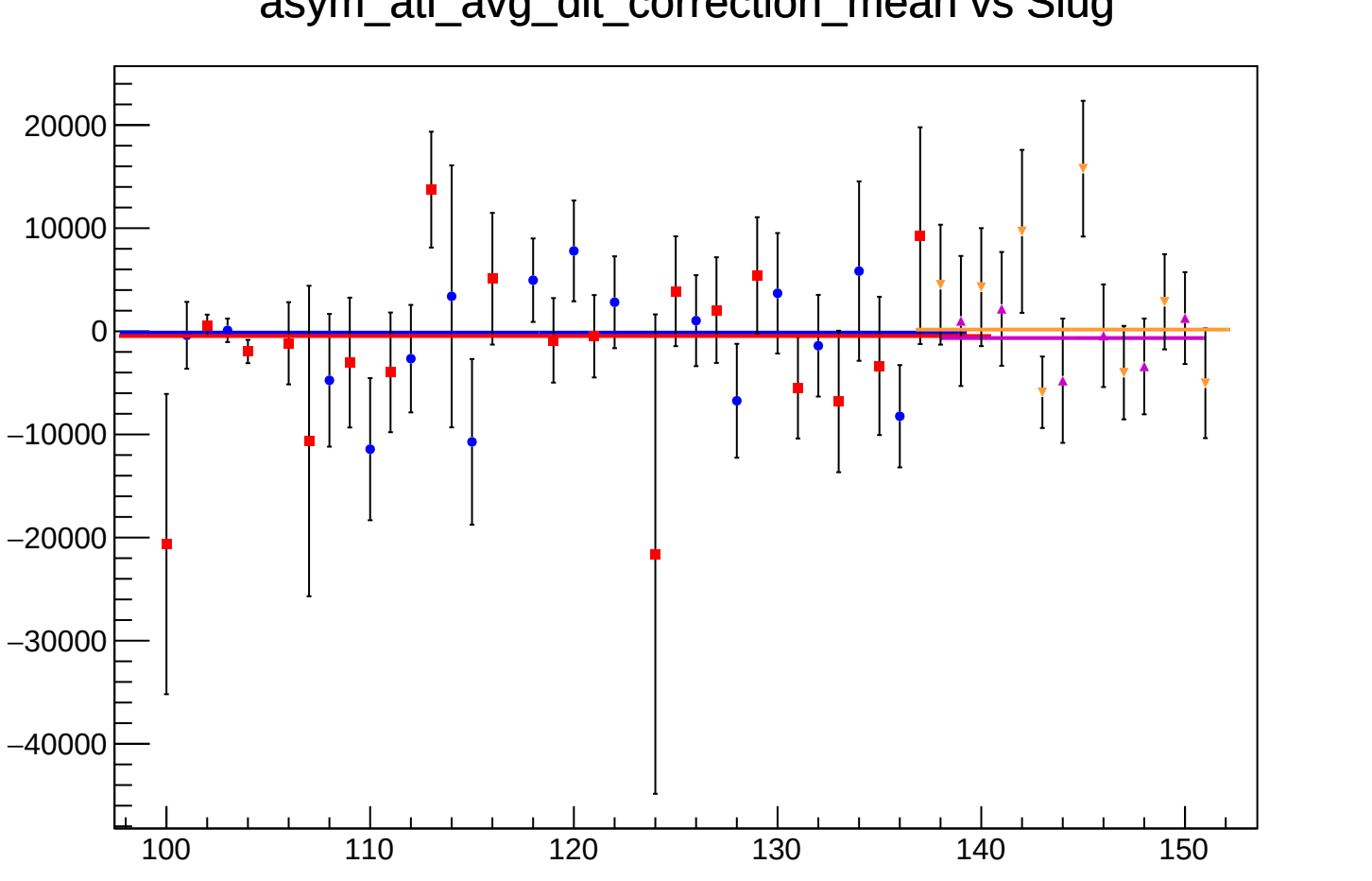
Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1845.651+/-0.569 χ^2/NDF:21104.4/5

+ sign 1758.715+/-0.352 χ^2/NDF: 202641.2/22

All: 1773.861+/-0.252 χ^2/NDF: 491613.3/46

- sign 1789.769+/-0.361 χ^2/NDF: 285175.5/23



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: 169.229+/-1785.812 χ^2/NDF:13.4/7

Right Out: -459.431+/-679.157 χ^2/NDF: 18.5/18

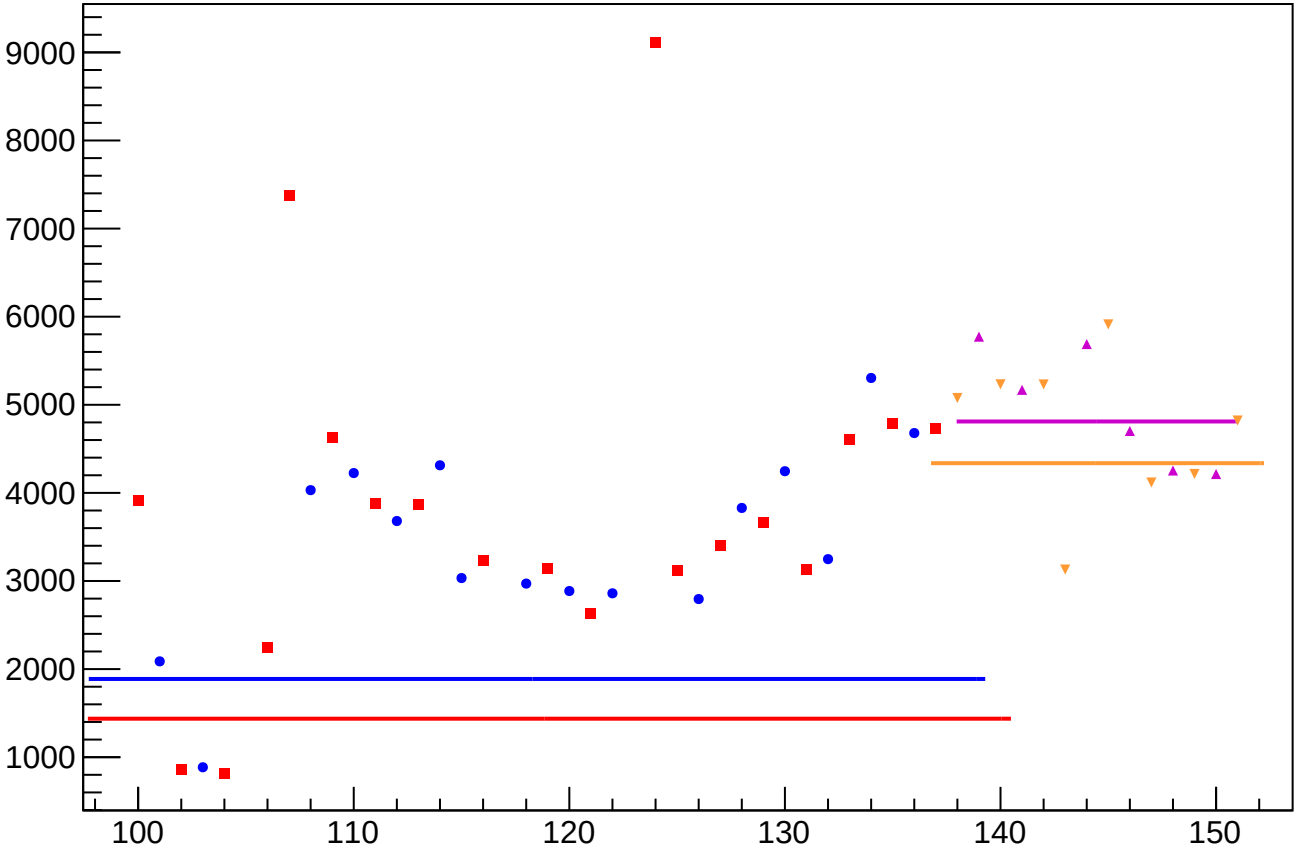
Left In: -654.656+/-2119.136 χ^2/NDF:1.3/5

+ sign -69.188+/-780.411 χ^2/NDF: 28.5/23

All: -311.319+/-497.974 χ^2/NDF: 48.5/48

- sign -477.615+/-646.754 χ^2/NDF: 19.8/24

asym_atl_avg_dit_correction_rms vs Slug



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 4337.236+/-1.263 χ^2/NDF:487263.4/7

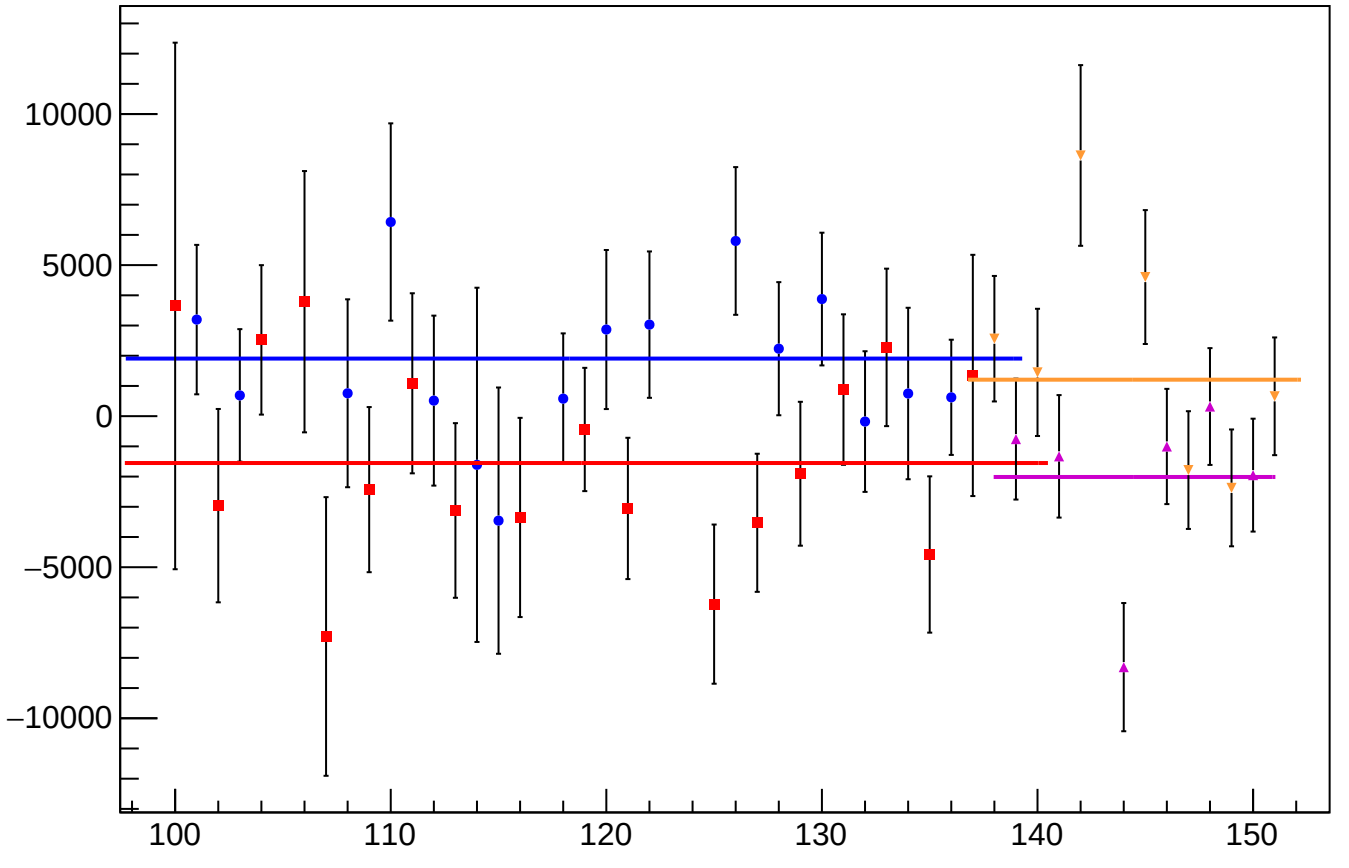
Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

Left In: 4810.662+/-1.498 χ^2/NDF:163131.6/5

+ sign 2355.740+/-0.552 χ^2/NDF: 7956520.6/23

All: 1997.428+/-0.352 χ^2/NDF: 19391492.4/4

- sign 1751.338+/-0.457 χ^2/NDF: 10723805.3/24



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 1207.311+/-798.869 χ^2/NDF:14.8/6

Right Out: -1550.983+/-661.054 χ^2/NDF: 17.5/17

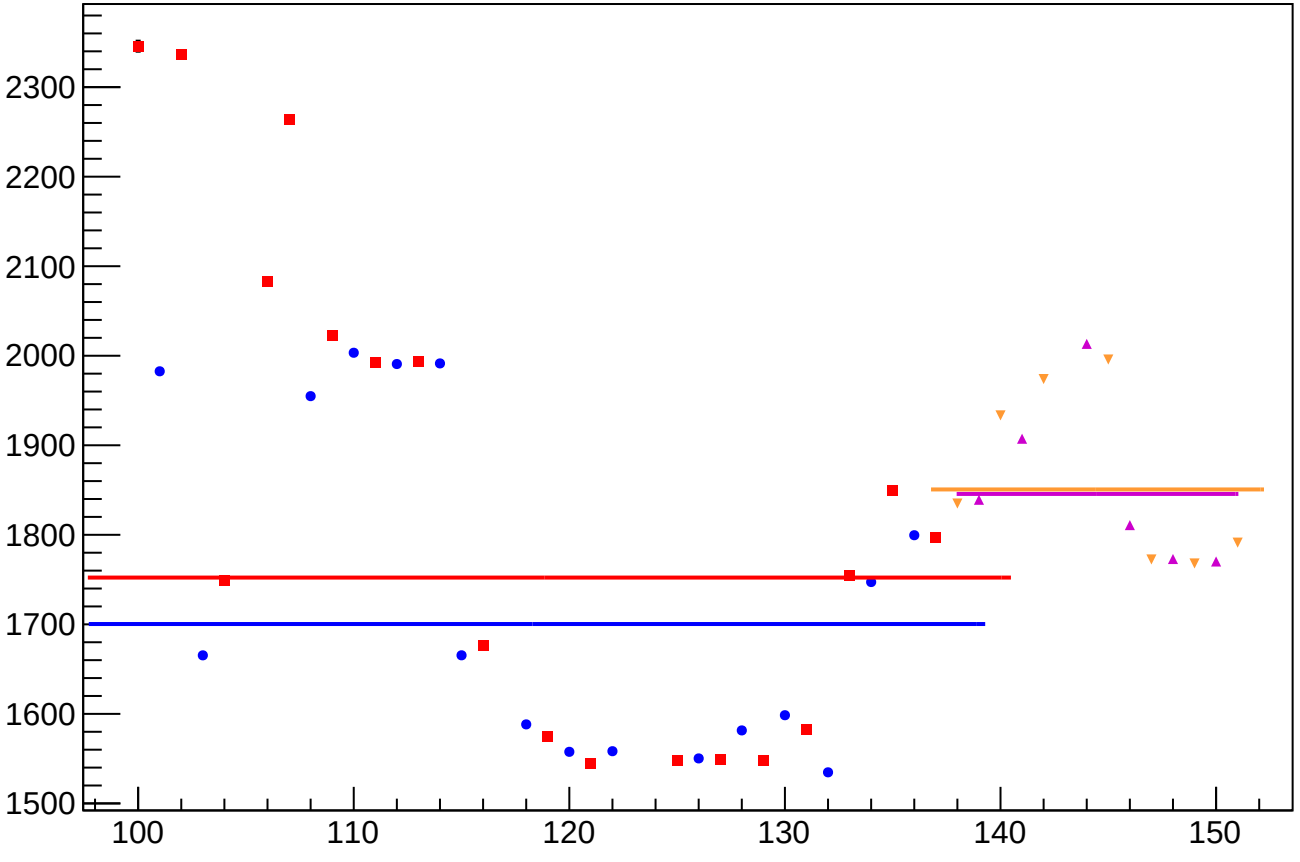
Left In: -2012.966+/-804.811 χ^2/NDF:11.0/5

+ sign 1634.852+/-497.779 χ^2/NDF: 25.5/22

All: -7.512+/-356.506 χ^2/NDF: 76.6/46

- sign -1737.100+/-510.826 χ^2/NDF: 28.7/23

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1850.664+/-0.565 χ^2/NDF:23911.5/6

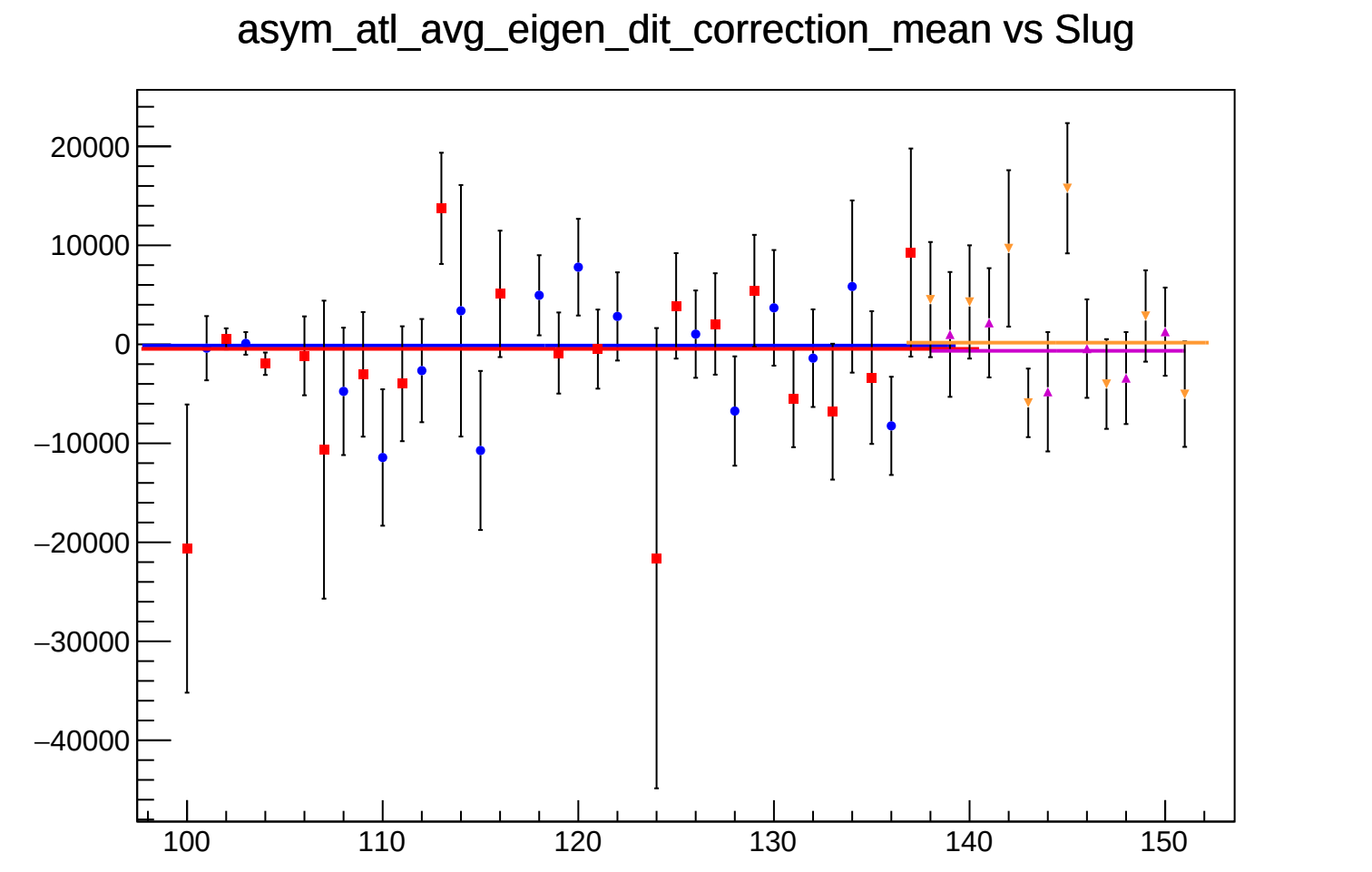
Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1845.652+/-0.569 χ^2/NDF:21104.7/5

+ sign 1758.715+/-0.352 χ^2/NDF: 202642.5/22

All: 1773.861+/-0.252 χ^2/NDF: 491615.0/46

- sign 1789.769+/-0.361 χ^2/NDF: 285175.9/23



Right In: -125.464+/-867.639 χ^2/NDF: 15.1/15

Left Out: 169.223+/-1785.814 χ^2/NDF:13.4/7

Right Out: -459.430+/-679.152 χ^2/NDF: 18.5/18

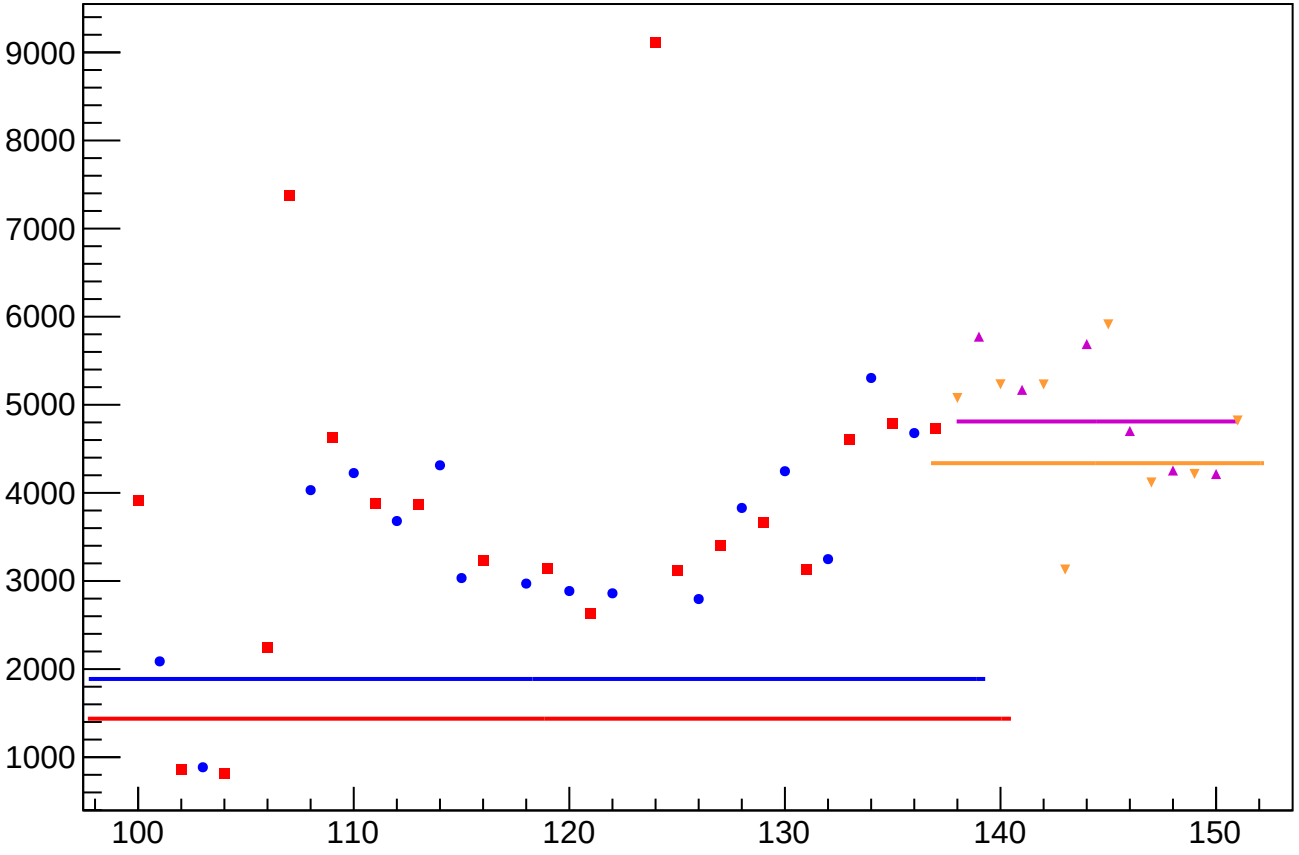
Left In: -654.658+/-2119.139 χ^2/NDF:1.3/5

+ sign -69.187+/-780.407 χ^2/NDF: 28.5/23

All: -311.318+/-497.971 χ^2/NDF: 48.5/48

- sign -477.614+/-646.749 χ^2/NDF: 19.8/24

asym_atl_avg_eigen_dit_correction_rms vs Slug



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 4337.240+/-1.263 χ^2/NDF:487268.0/7

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

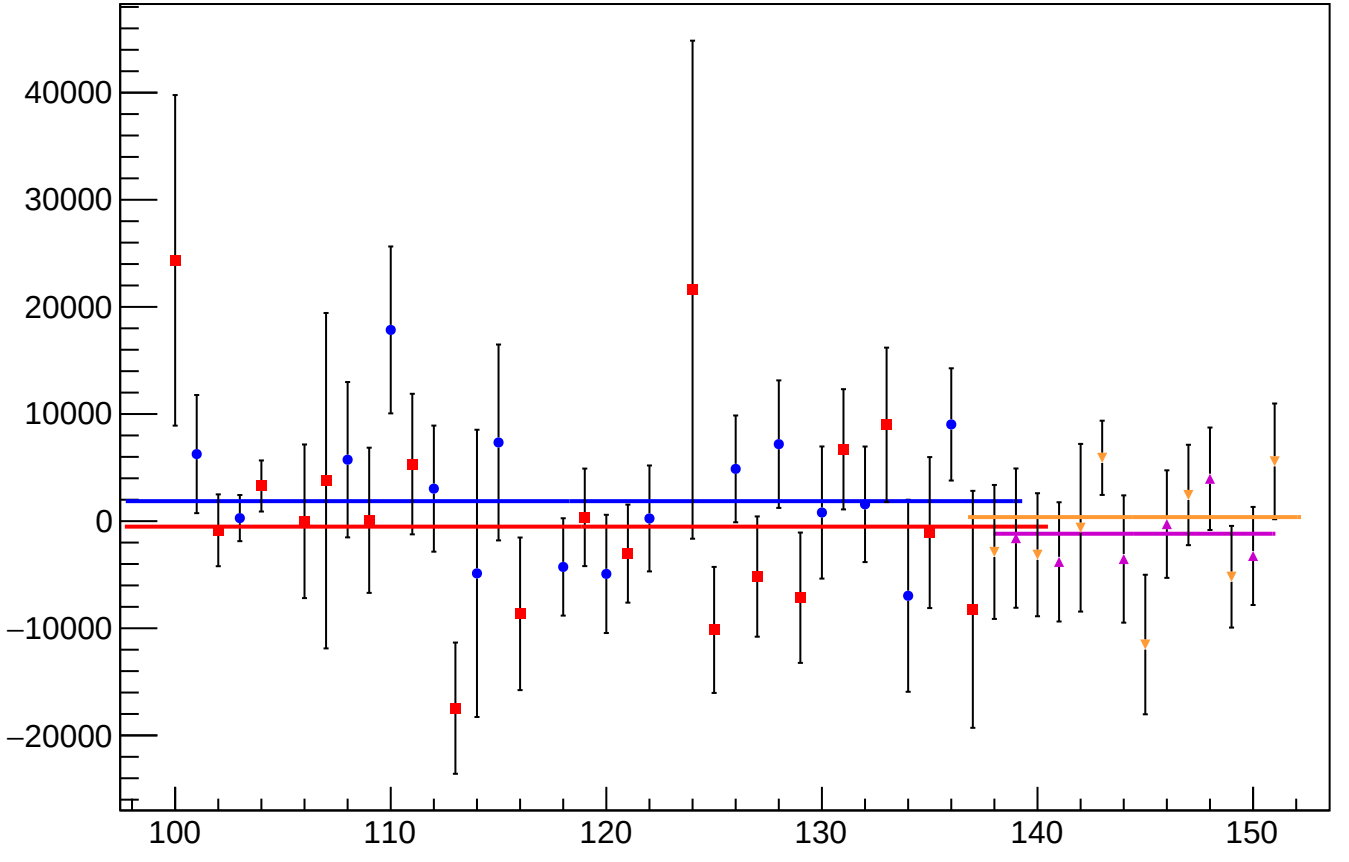
Left In: 4810.667+/-1.498 χ^2/NDF:163134.2/5

+ sign 2355.722+/-0.552 χ^2/NDF: 7956614.1/23

All: 1997.410+/-0.352 χ^2/NDF: 19391674.8/4

- sign 1751.321+/-0.457 χ^2/NDF: 10723889.9/24

asym_atl_avg_mean vs Slug



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: 378.815+/-1815.755 χ^2/NDF:9.0/7

Right Out: -512.528+/-1241.513 χ^2/NDF: 24.7/18

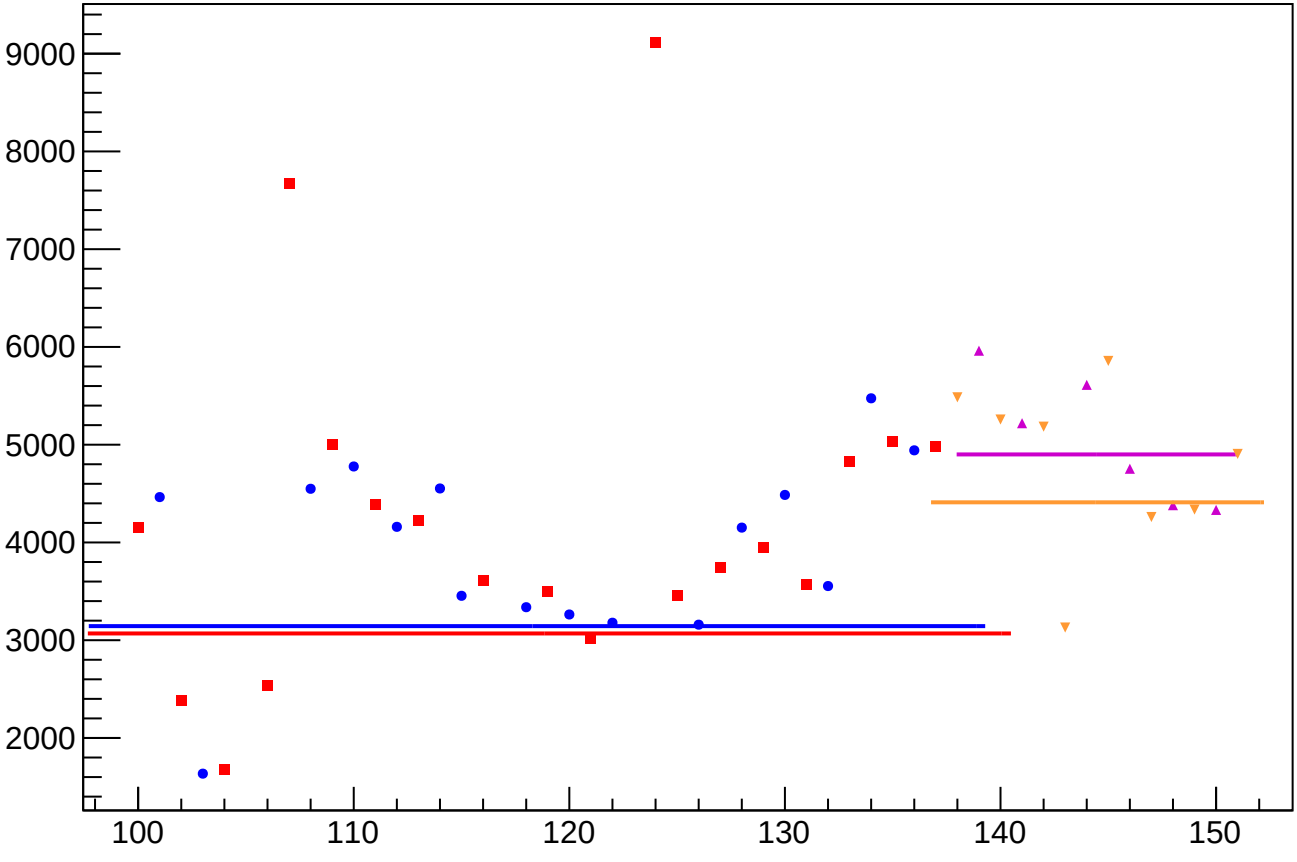
Left In: -1175.606+/-2154.629 χ^2/NDF:1.8/5

+ sign 1383.468+/-1034.727 χ^2/NDF: 23.3/23

All: 392.849+/-745.731 χ^2/NDF: 51.7/48

- sign -677.805+/-1075.714 χ^2/NDF: 26.5/24

asym_atl_avg_rms vs Slug



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 4410.549+/-1.284 χ^2/NDF:513447.0/7

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

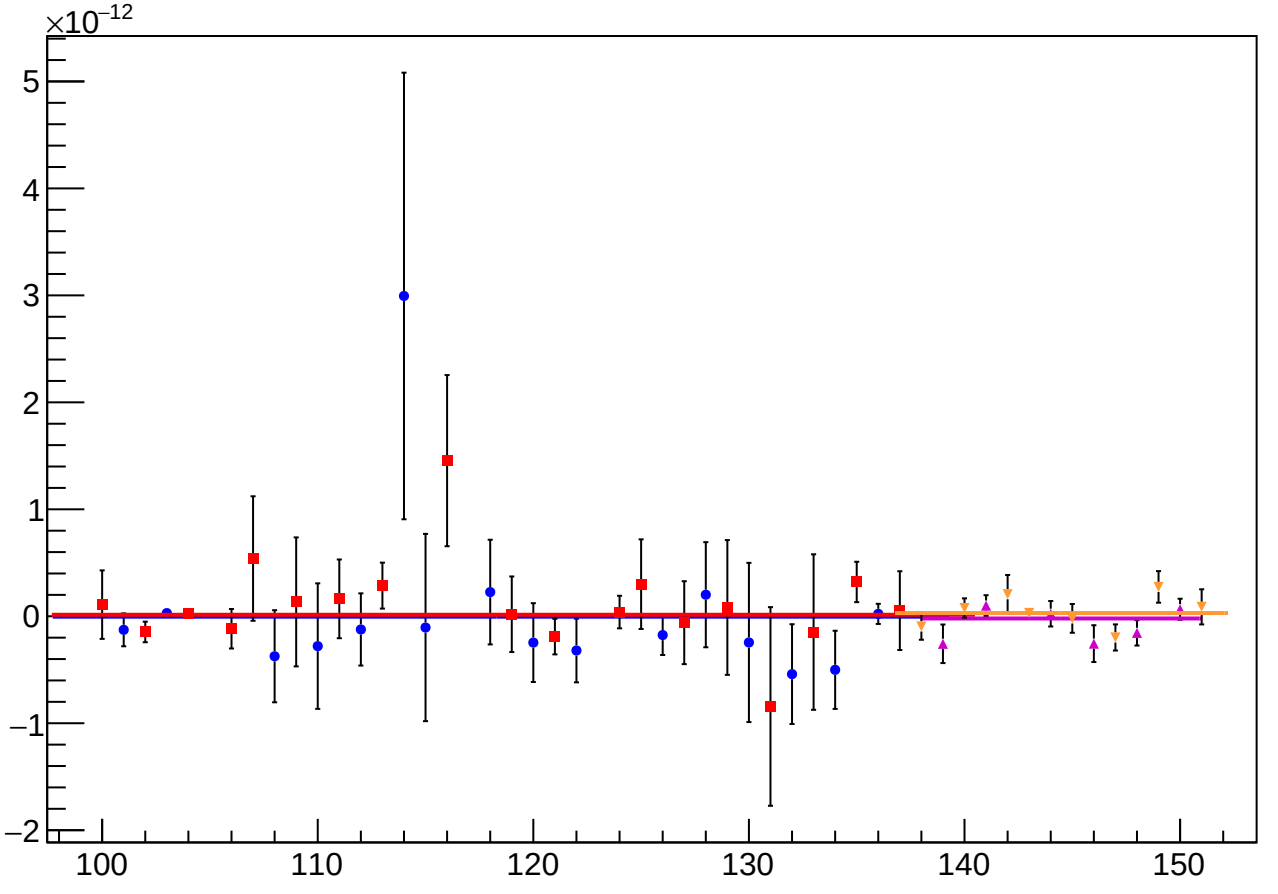
Left In: 4900.451+/-1.524 χ^2/NDF:144591.2/5

+ sign 3555.391+/-0.732 χ^2/NDF: 3053544.6/23

All: 3535.691+/-0.524 χ^2/NDF: 6174420.7/48

- sign 3514.898+/-0.752 χ^2/NDF: 3119386.0/24

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:8.7/7

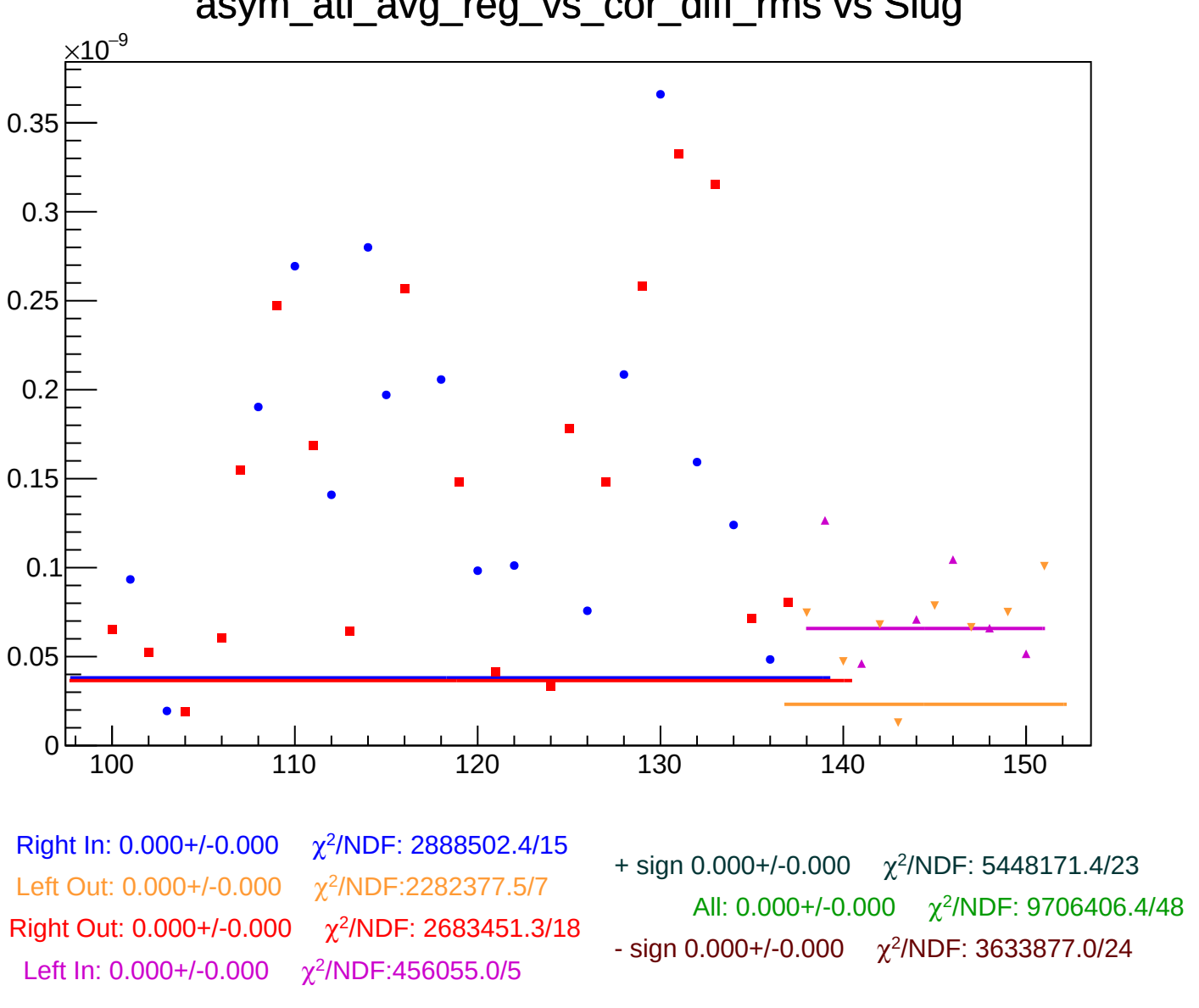
Right Out: 0.000+/-0.000 χ^2/NDF: 14.9/18

Left In: -0.000+/-0.000 χ^2/NDF:7.3/5

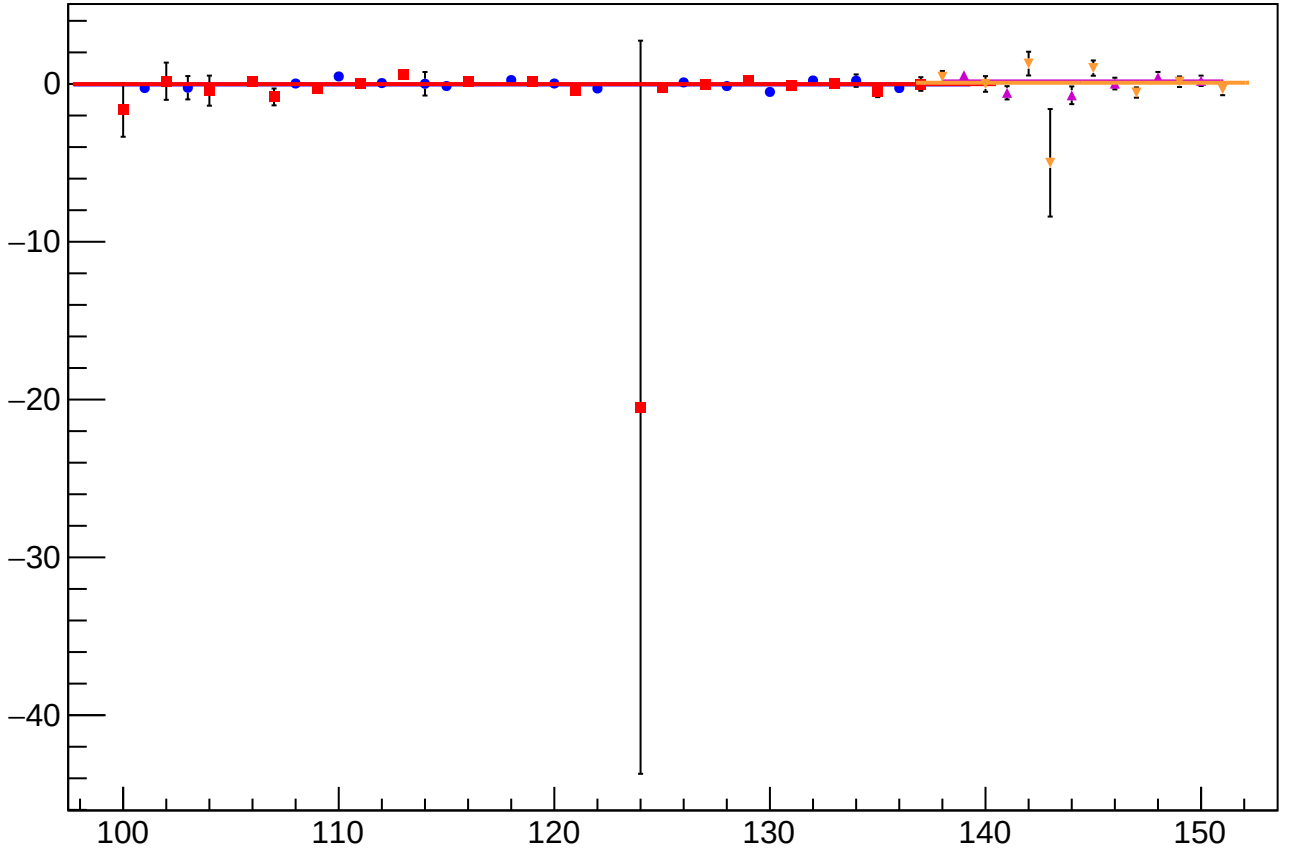
+ sign 0.000+/-0.000 χ^2/NDF: 20.1/23

All: 0.000+/-0.000 χ^2/NDF: 43.0/48

- sign 0.000+/-0.000 χ^2/NDF: 22.6/24


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
Right In: 0.000+/-0.000 χ²/NDF: 2888502.4/15
Left Out: 0.000+/-0.000 χ²/NDF:2282377.5/7
Right Out: 0.000+/-0.000 χ²/NDF: 2683451.3/18
Left In: 0.000+/-0.000 χ²/NDF:456055.0/5
+ sign 0.000+/-0.000 χ²/NDF: 5448171.4/23
All: 0.000+/-0.000 χ²/NDF: 9706406.4/48
- sign 0.000+/-0.000 χ²/NDF: 3633877.0/24

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.077+/-0.154 χ^2/NDF:14.3/7

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

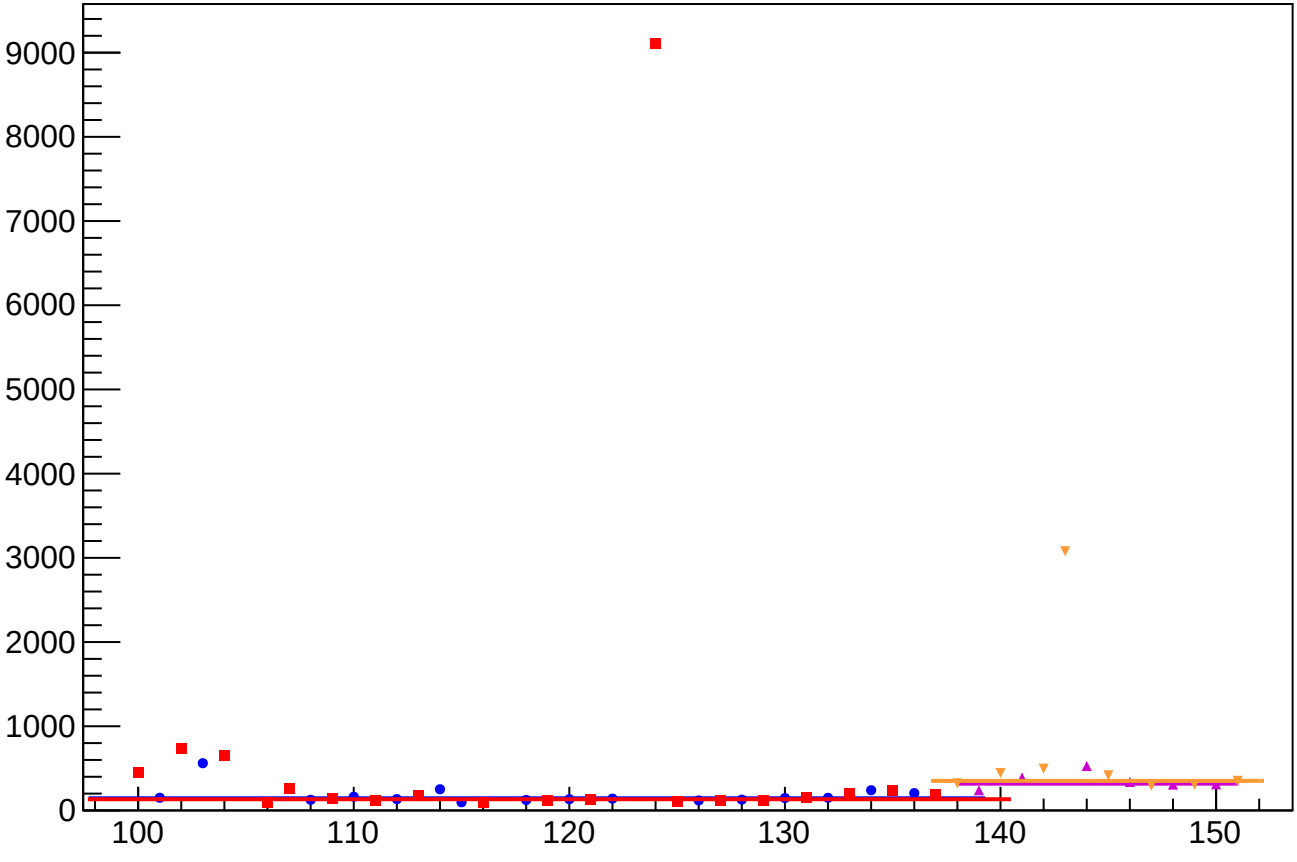
Left In: 0.161+/-0.145 χ^2/NDF:8.1/5

+ sign -0.016+/-0.054 χ^2/NDF: 32.0/23

All: -0.001+/-0.038 χ^2/NDF: 63.2/48

- sign 0.012+/-0.053 χ^2/NDF: 31.2/24

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 351.311+/-0.109 χ^2/NDF:1570087.4/7

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

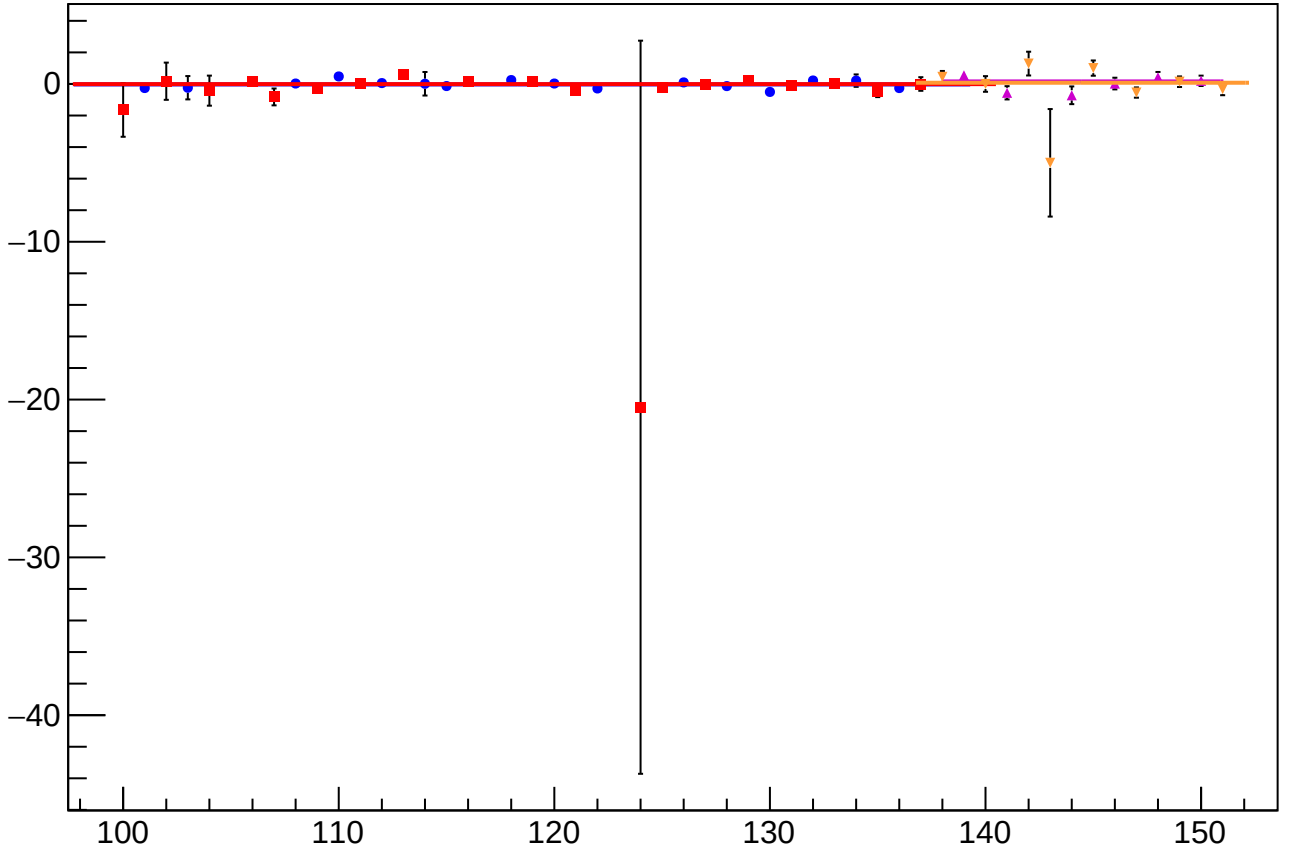
Left In: 318.542+/-0.103 χ^2/NDF:516590.0/5

+ sign 169.989+/-0.038 χ^2/NDF: 5880739.7/23

All: 163.671+/-0.027 χ^2/NDF: 11506693.6/48

- sign 157.691+/-0.037 χ^2/NDF: 5572894.7/24

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.077+/-0.154 χ^2/NDF:14.3/7

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

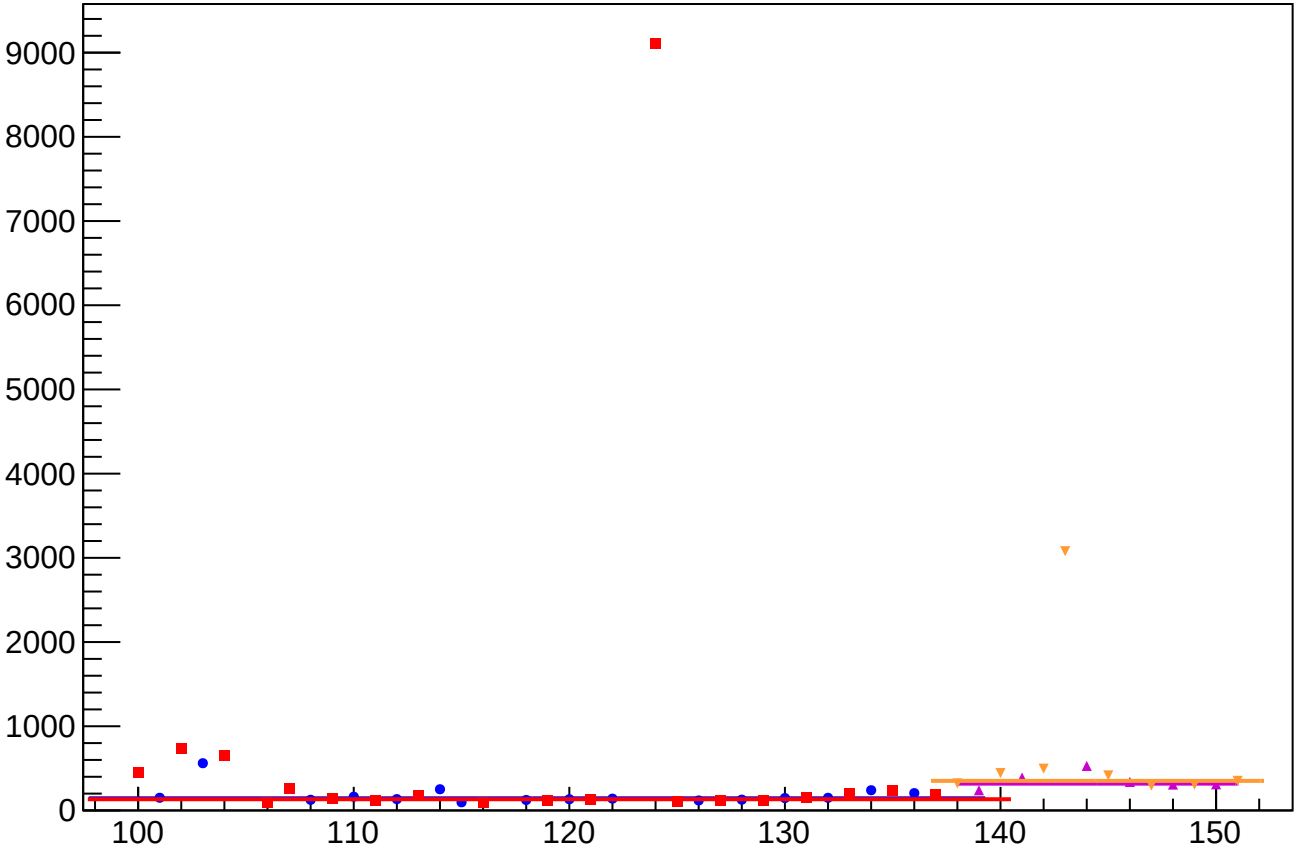
Left In: 0.161+/-0.145 χ^2/NDF:8.1/5

+ sign -0.016+/-0.054 χ^2/NDF: 32.0/23

All: -0.001+/-0.038 χ^2/NDF: 63.2/48

- sign 0.012+/-0.053 χ^2/NDF: 31.2/24

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 351.311+/-0.109 χ^2/NDF:1570087.4/7

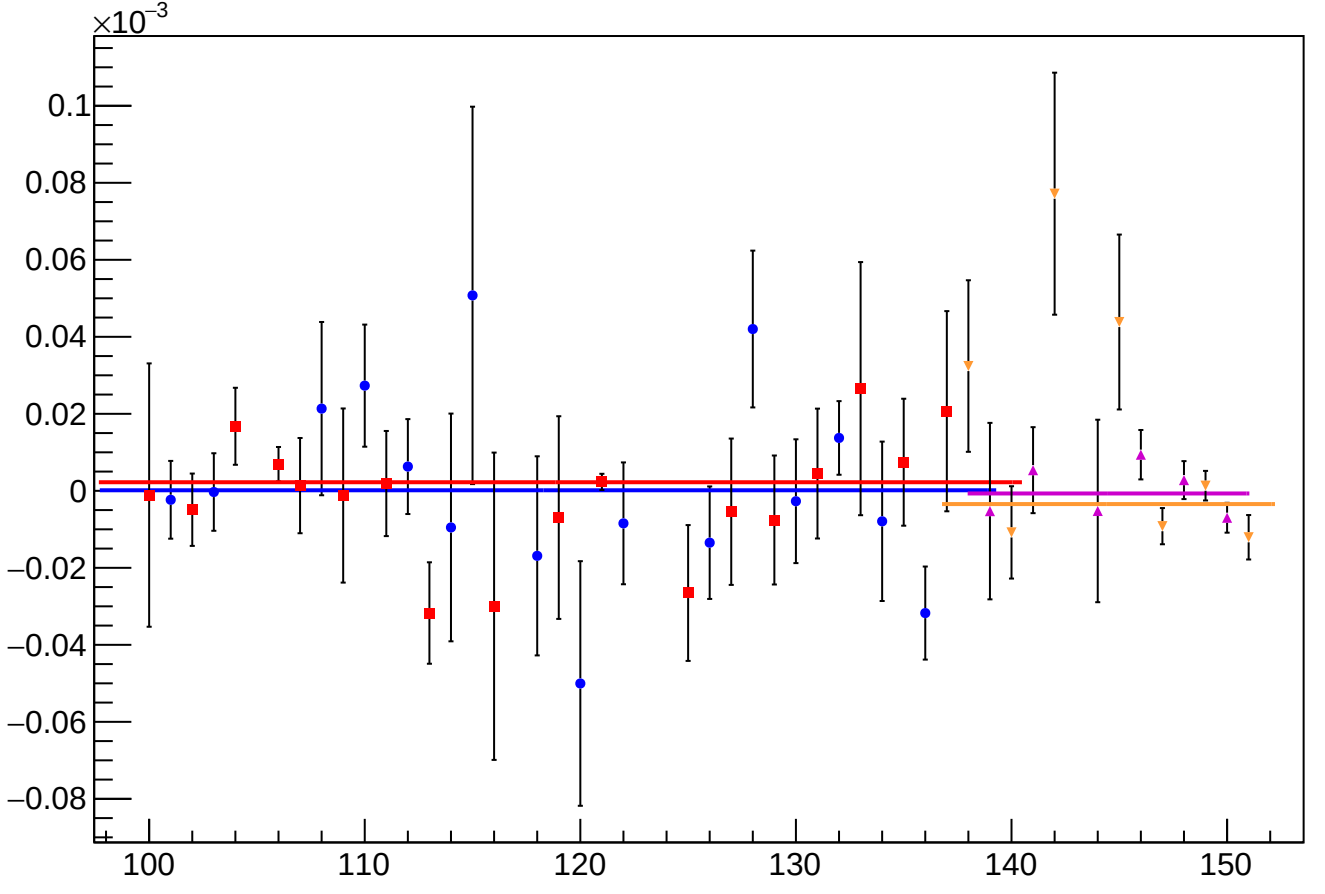
Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 318.542+/-0.103 χ^2/NDF:516590.0/5

+ sign 169.989+/-0.038 χ^2/NDF: 5880739.7/23

All: 163.671+/-0.027 χ^2/NDF: 11506693.6/48

- sign 157.691+/-0.037 χ^2/NDF: 5572894.7/24



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/6

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/17

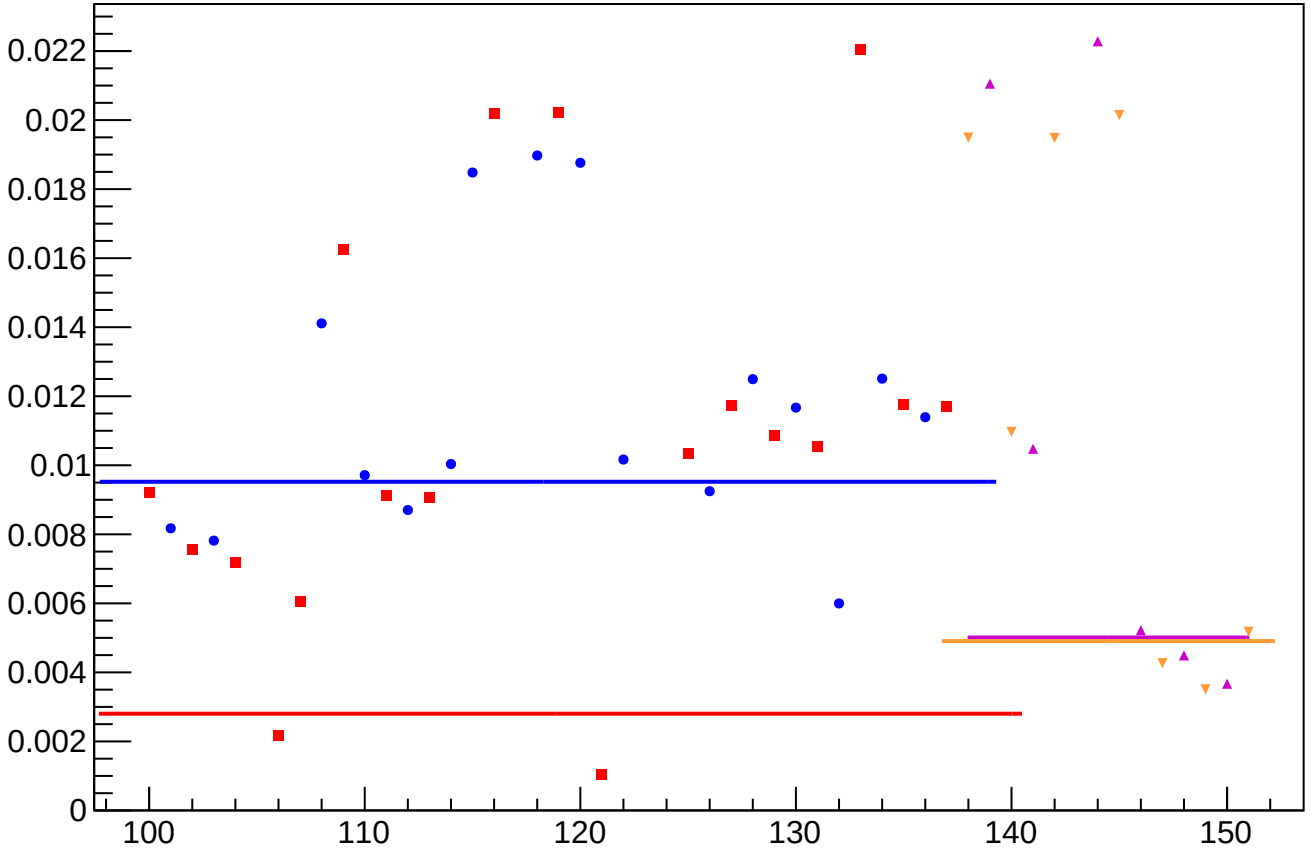
Left In: -0.000+/-0.000 χ^2/NDF:6.0/5

+ sign -0.000+/-0.000 χ^2/NDF: 42.6/22

All: 0.000+/-0.000 χ^2/NDF: 67.1/46

- sign 0.000+/-0.000 χ^2/NDF: 22.4/23

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: 0.005+/-0.000 χ^2/NDF:3005257.0/6

Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

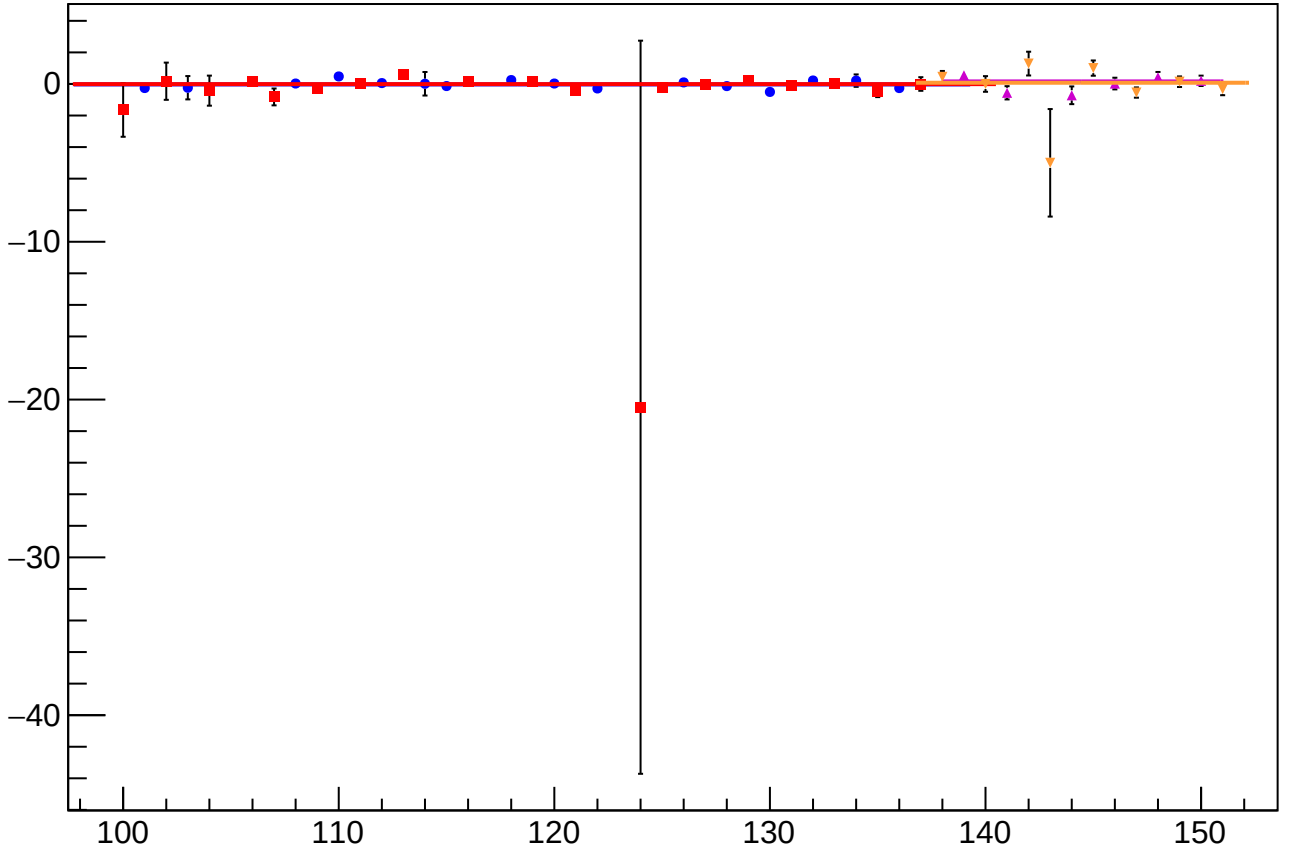
Left In: 0.005+/-0.000 χ^2/NDF:2785129.2/5

+ sign 0.006+/-0.000 χ^2/NDF: 6218098.4/22

All: 0.004+/-0.000 χ^2/NDF: 21145729.7/46

- sign 0.003+/-0.000 χ^2/NDF: 12335295.7/23

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.077+/-0.154 χ^2/NDF:14.3/7

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

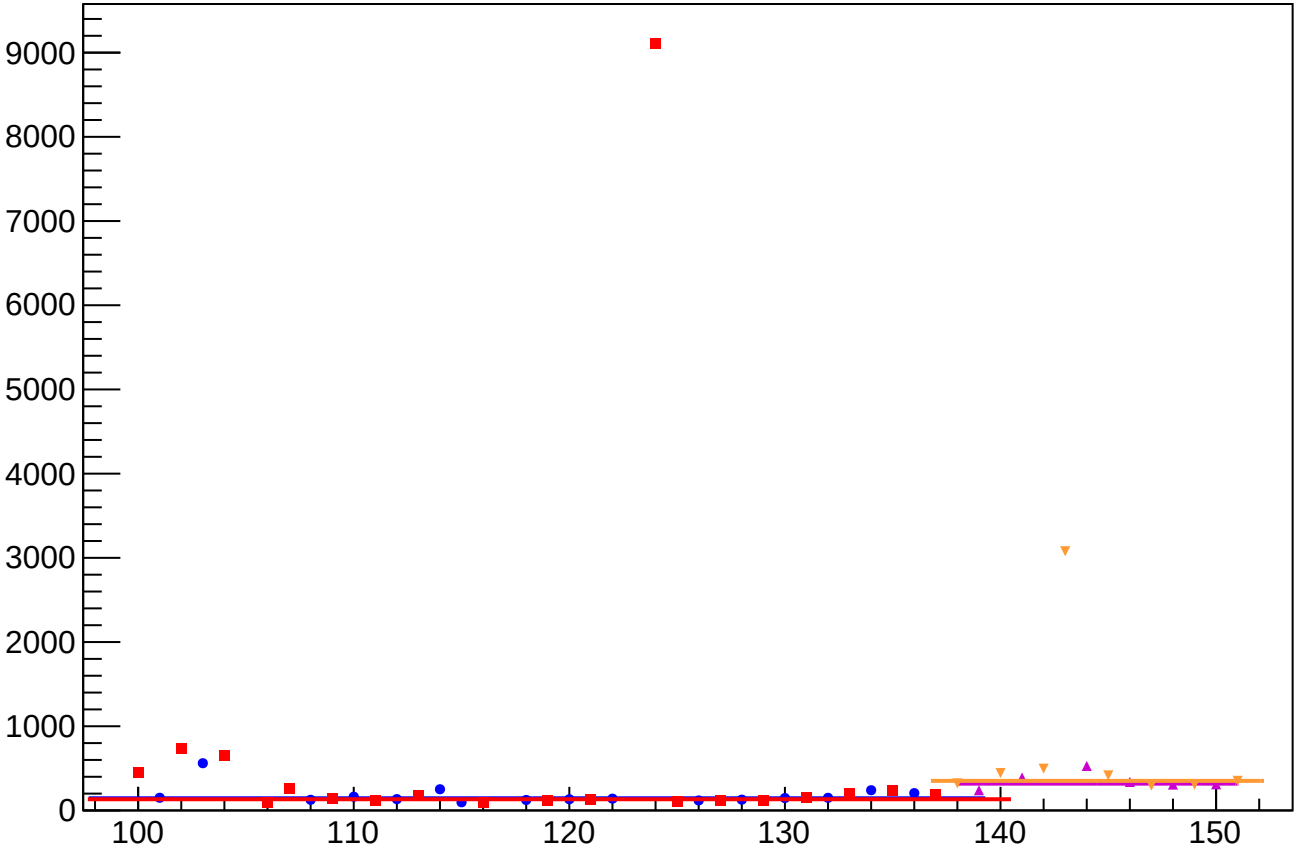
Left In: 0.161+/-0.145 χ^2/NDF:8.1/5

+ sign -0.016+/-0.054 χ^2/NDF: 32.0/23

All: -0.001+/-0.038 χ^2/NDF: 63.2/48

- sign 0.012+/-0.053 χ^2/NDF: 31.2/24

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: 351.313+/-0.109 χ^2/NDF:1570108.8/7

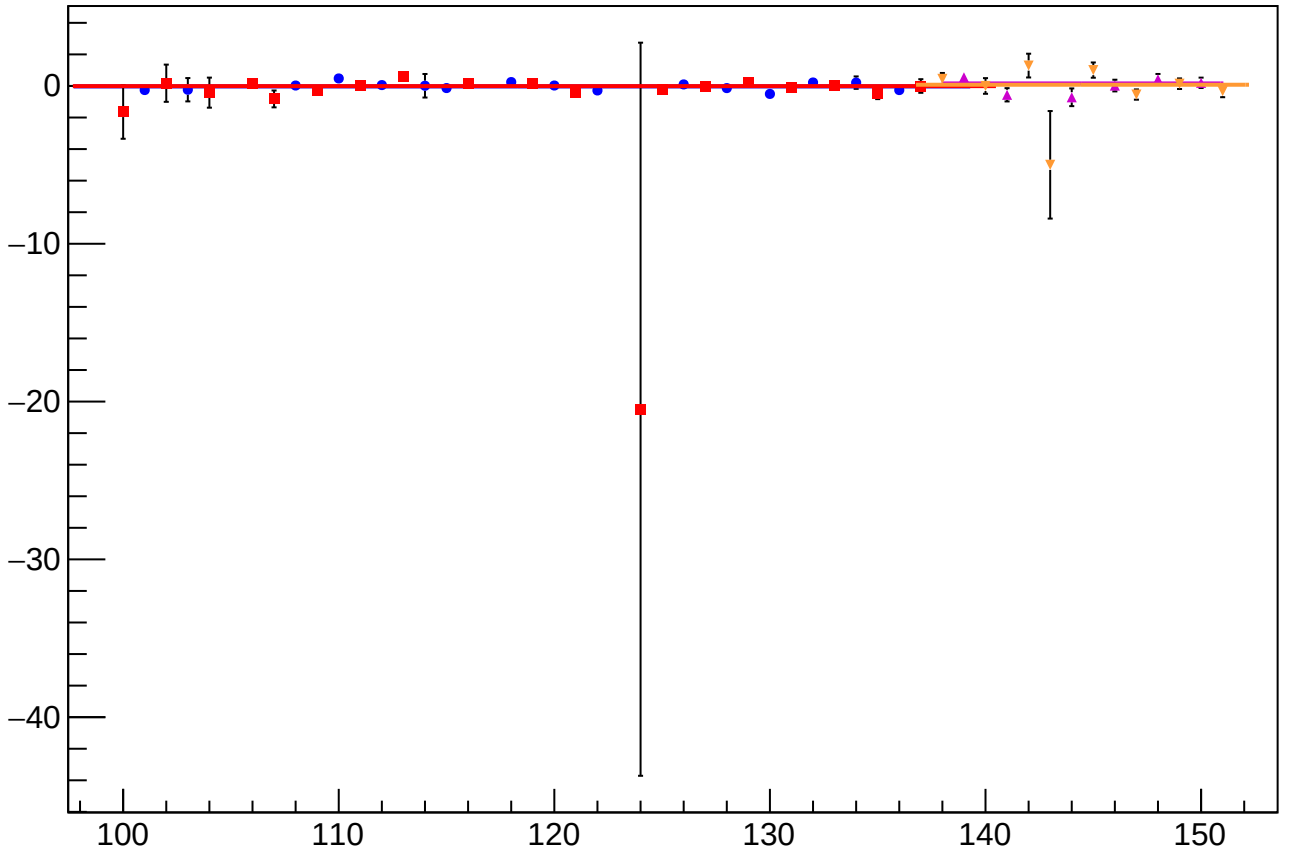
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 318.547+/-0.103 χ^2/NDF:516573.9/5

+ sign 169.987+/-0.038 χ^2/NDF: 5880872.3/23

All: 163.670+/-0.027 χ^2/NDF: 11506851.6/48

- sign 157.690+/-0.037 χ^2/NDF: 5572927.5/24



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.077+/-0.154 χ^2/NDF:14.3/7

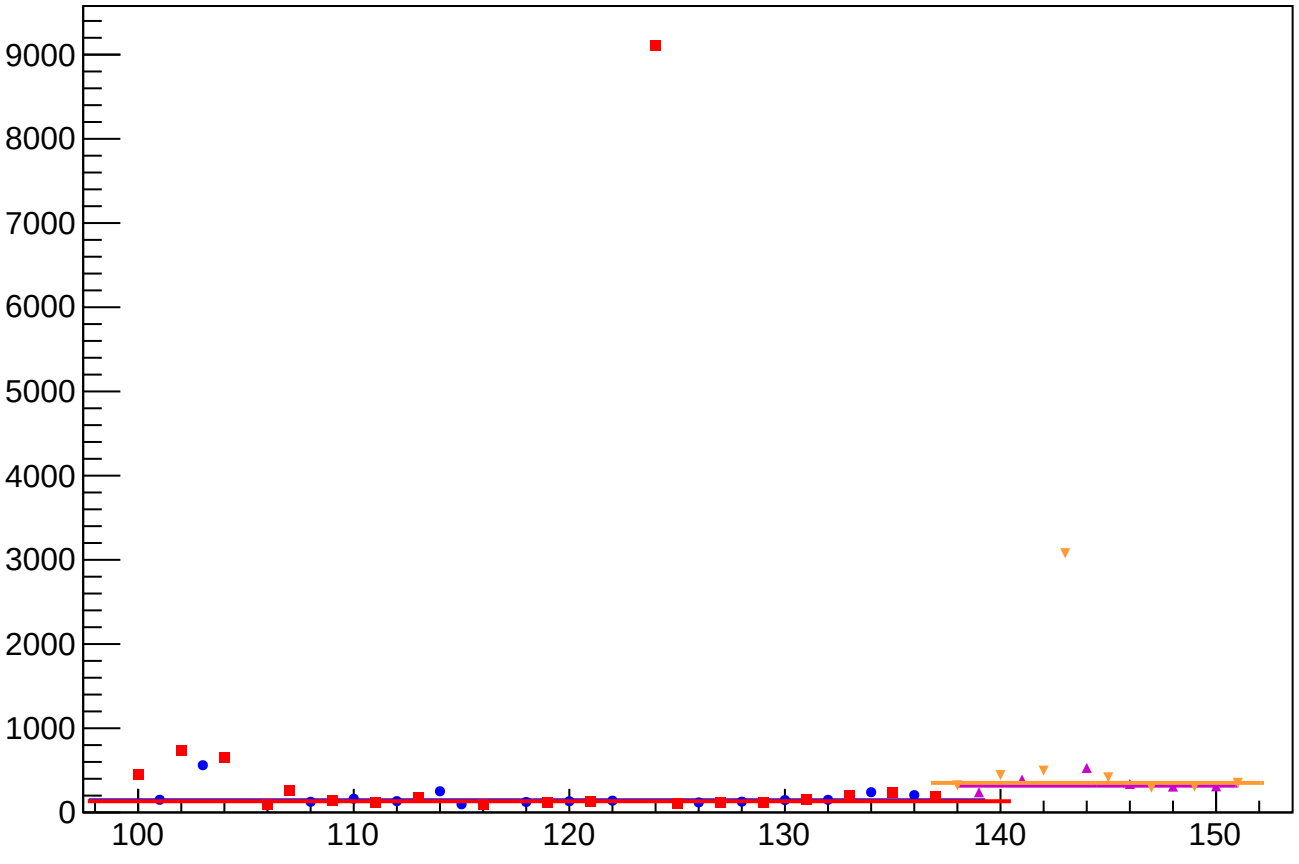
Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: 0.161+/-0.145 χ^2/NDF:8.1/5

+ sign -0.016+/-0.054 χ^2/NDF: 32.0/23

All: -0.001+/-0.038 χ^2/NDF: 63.2/48

- sign 0.012+/-0.053 χ^2/NDF: 31.2/24



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 351.313+/-0.109 χ^2/NDF:1570108.8/7

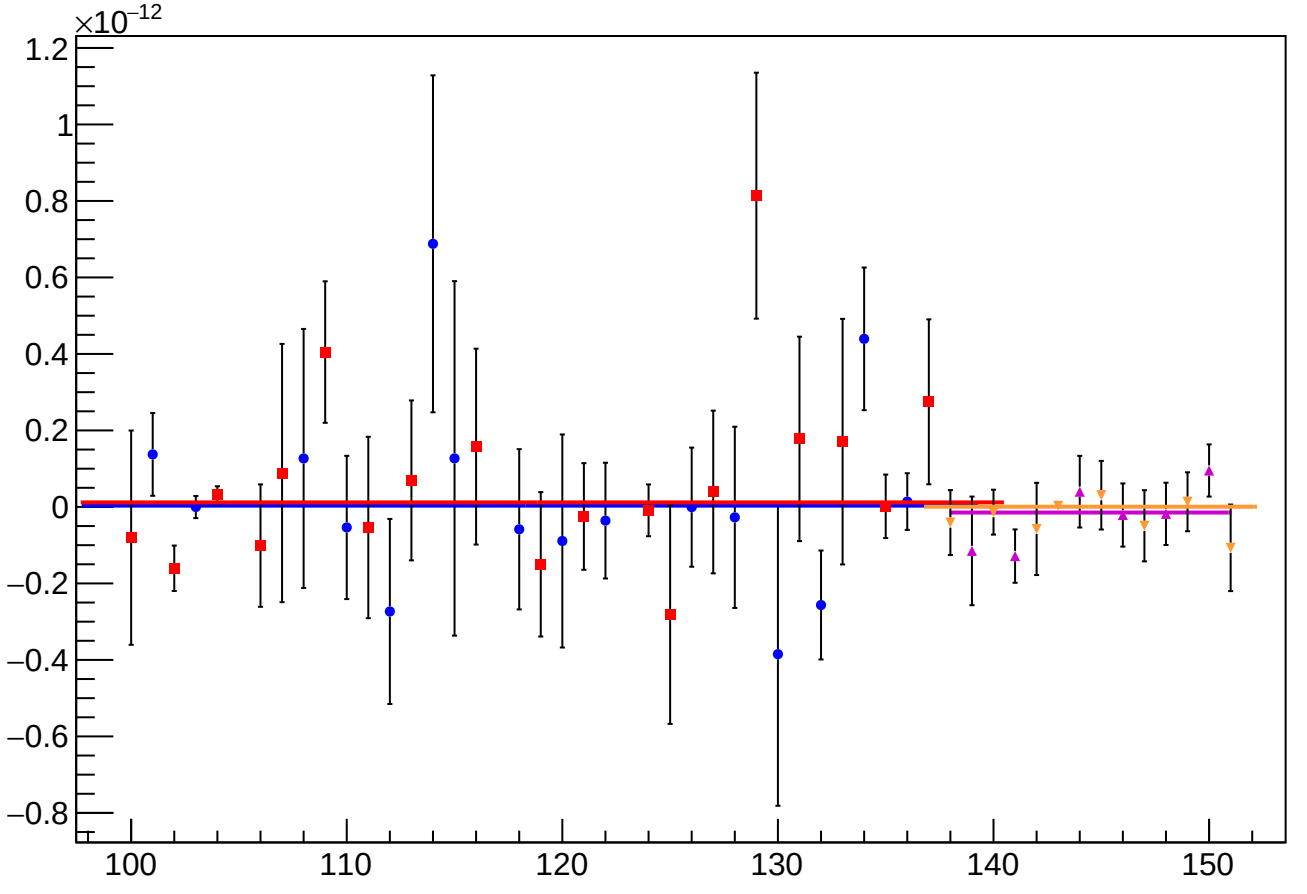
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 318.547+/-0.103 χ^2/NDF:516573.9/5

+ sign 169.987+/-0.038 χ^2/NDF: 5880872.3/23

All: 163.670+/-0.027 χ^2/NDF: 11506851.6/48

- sign 157.690+/-0.037 χ^2/NDF: 5572927.5/24



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

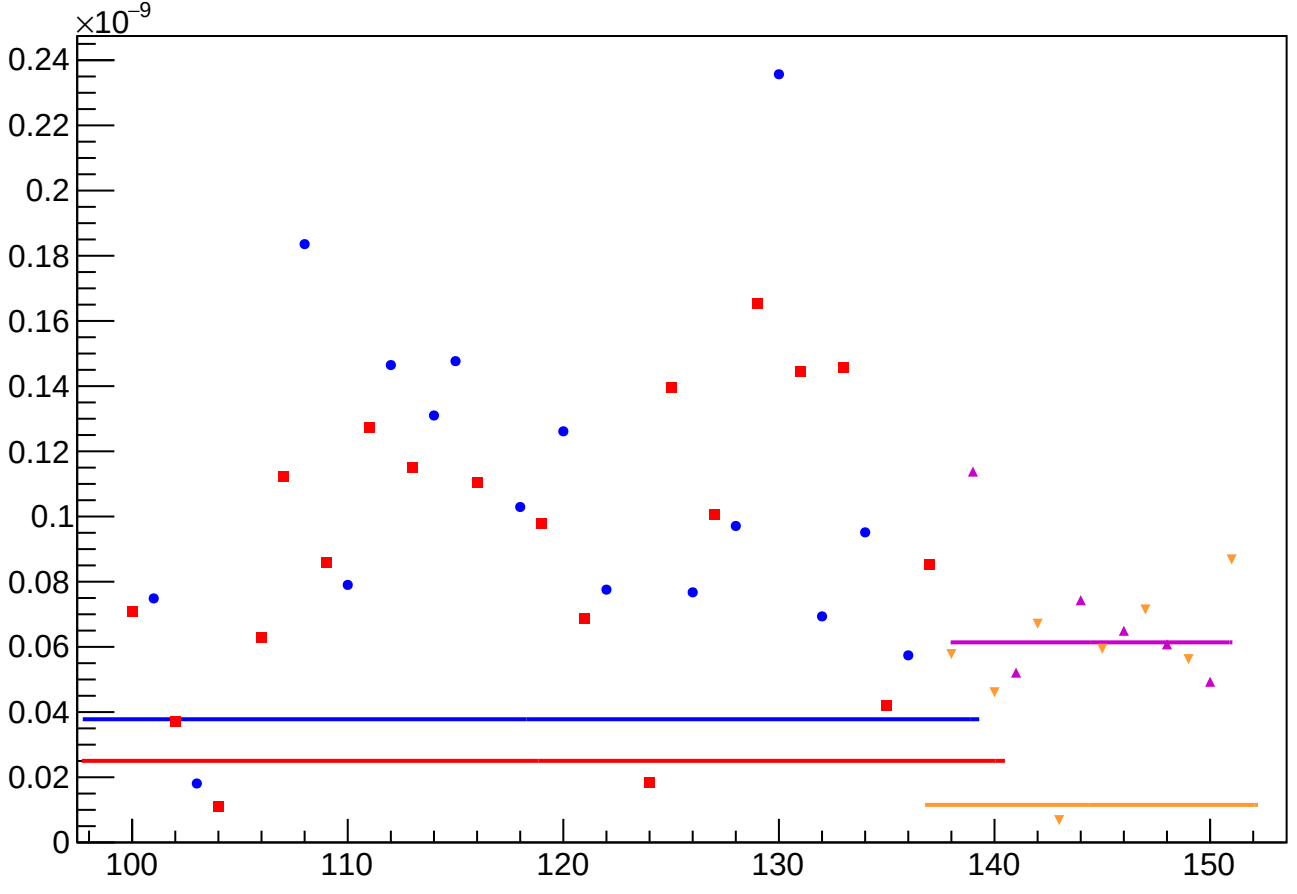
Left In: -0.000+/-0.000 χ^2/NDF:6.1/5

+ sign 0.000+/-0.000 χ^2/NDF: 17.5/23

All: 0.000+/-0.000 χ^2/NDF: 49.3/48

- sign 0.000+/-0.000 χ^2/NDF: 31.7/24

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:5108444.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

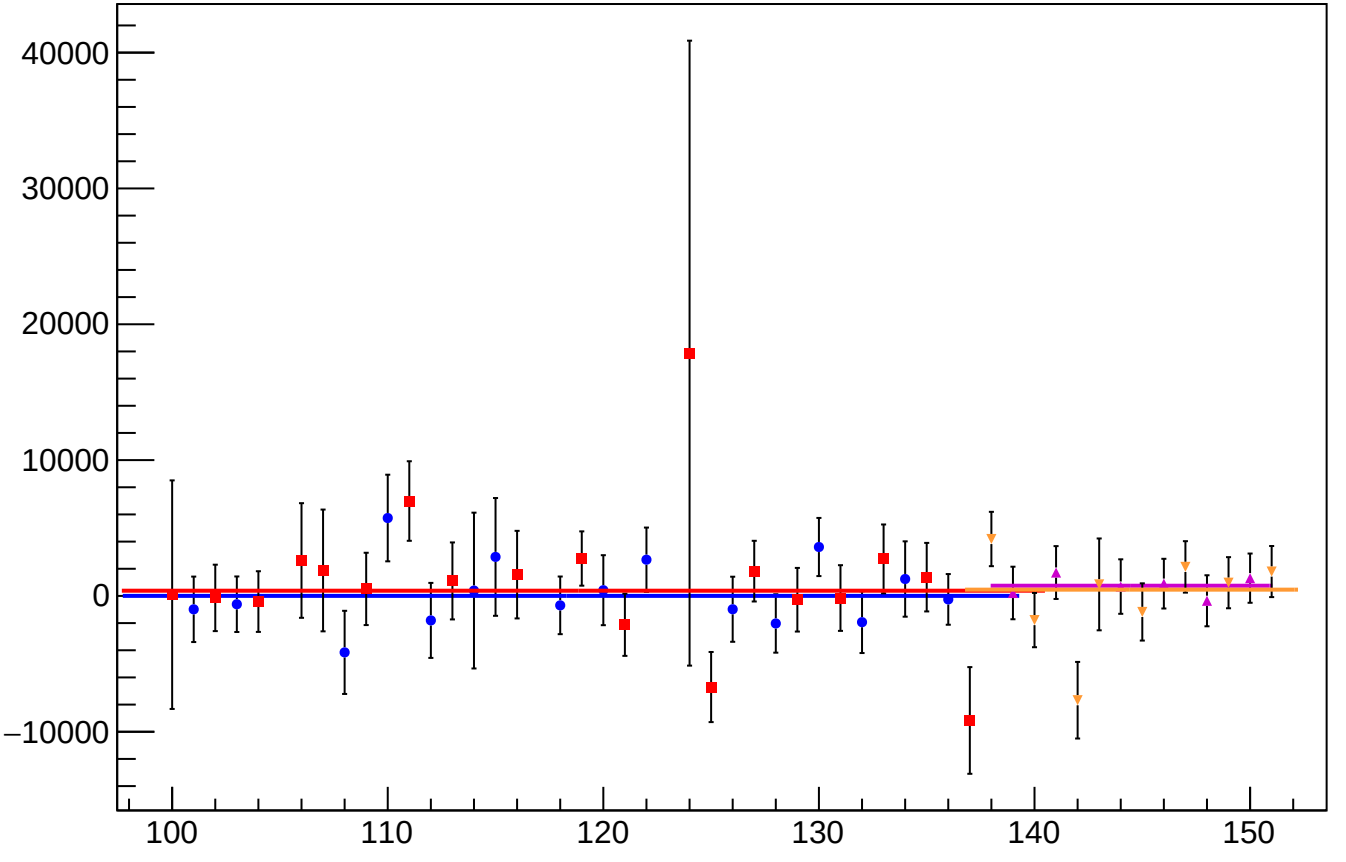
Left In: 0.000+/-0.000 χ^2/NDF:412448.6/5

+ sign 0.000+/-0.000 χ^2/NDF: 11130307.9/23

All: 0.000+/-0.000 χ^2/NDF: 19992895.1/48

- sign 0.000+/-0.000 χ^2/NDF: 6901850.5/24

reg_asym_atl_dd_mean vs Slug



Right In: 4.373+/-619.905 χ^2/NDF: 12.4/15

Left Out: 461.992+/-748.894 χ^2/NDF:15.0/7

Right Out: 384.758+/-633.682 χ^2/NDF: 24.1/18

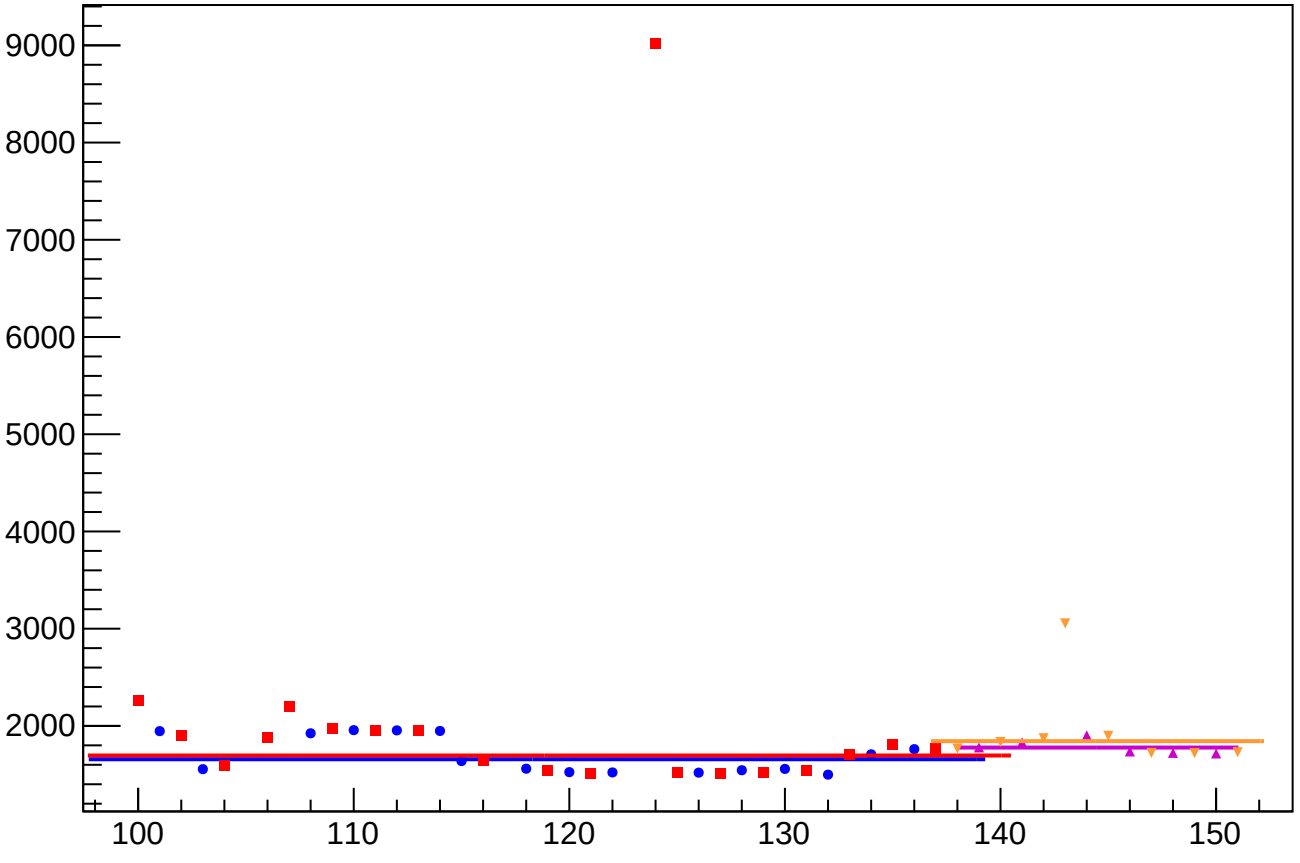
Left In: 751.219+/-774.632 χ^2/NDF:0.8/5

+ sign 190.438+/-477.530 χ^2/NDF: 27.7/23

All: 356.494+/-342.150 χ^2/NDF: 52.9/48

- sign 531.675+/-490.476 χ^2/NDF: 25.0/24

reg_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1843.363+/-0.530 χ^2/NDF:285290.5/7

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

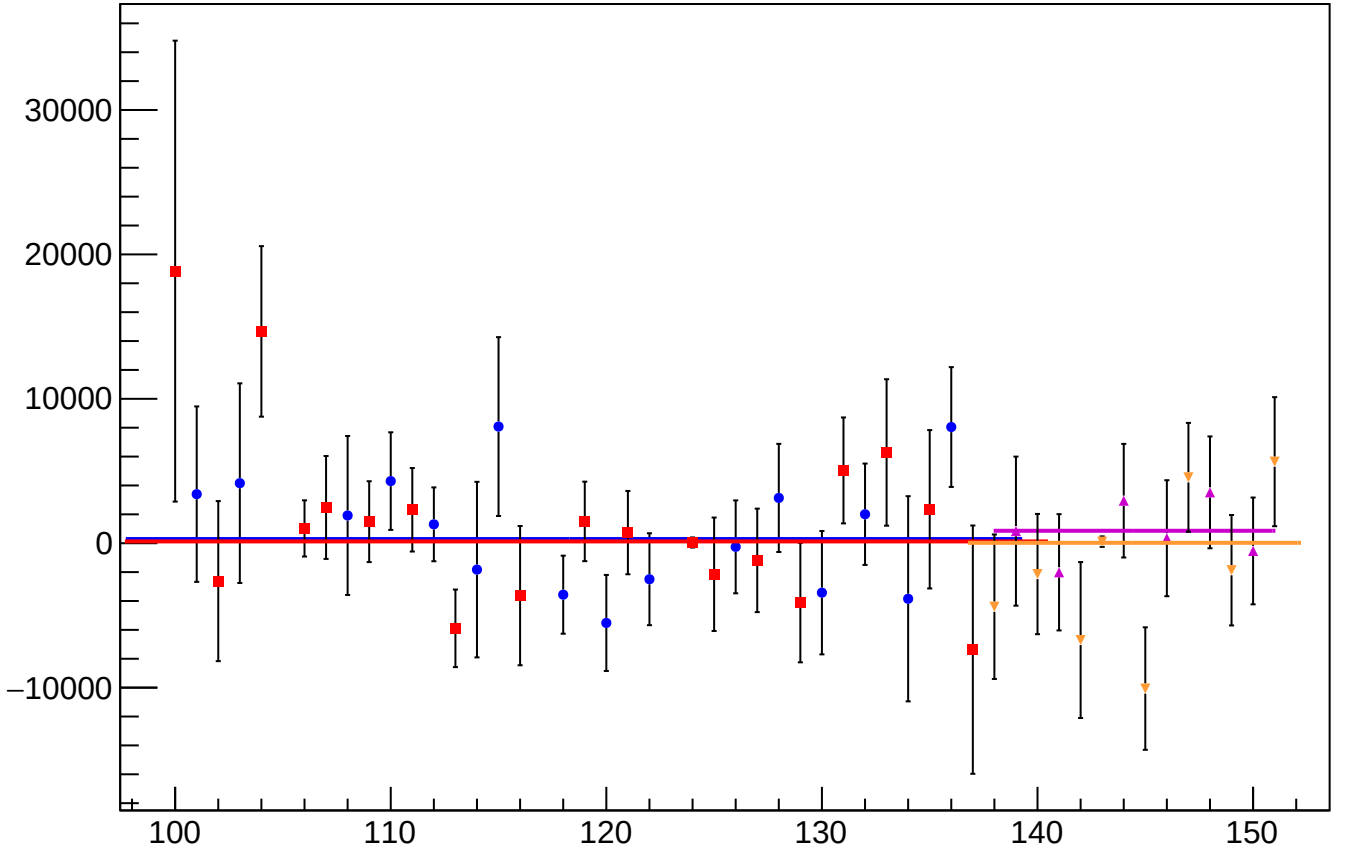
Left In: 1777.403+/-0.548 χ^2/NDF:14221.4/5

+ sign 1732.845+/-0.338 χ^2/NDF: 502674.2/23

All: 1730.599+/-0.242 χ^2/NDF: 916597.8/48

- sign 1728.244+/-0.346 χ^2/NDF: 413833.0/24

asym_atl_dd_reg_correction_mean vs Slug



Right In: 289.262+/-961.071 χ^2/NDF: 15.2/15

Left Out: 28.079+/-355.367 χ^2/NDF:11.6/7

Right Out: 125.586+/-323.715 χ^2/NDF: 20.8/18

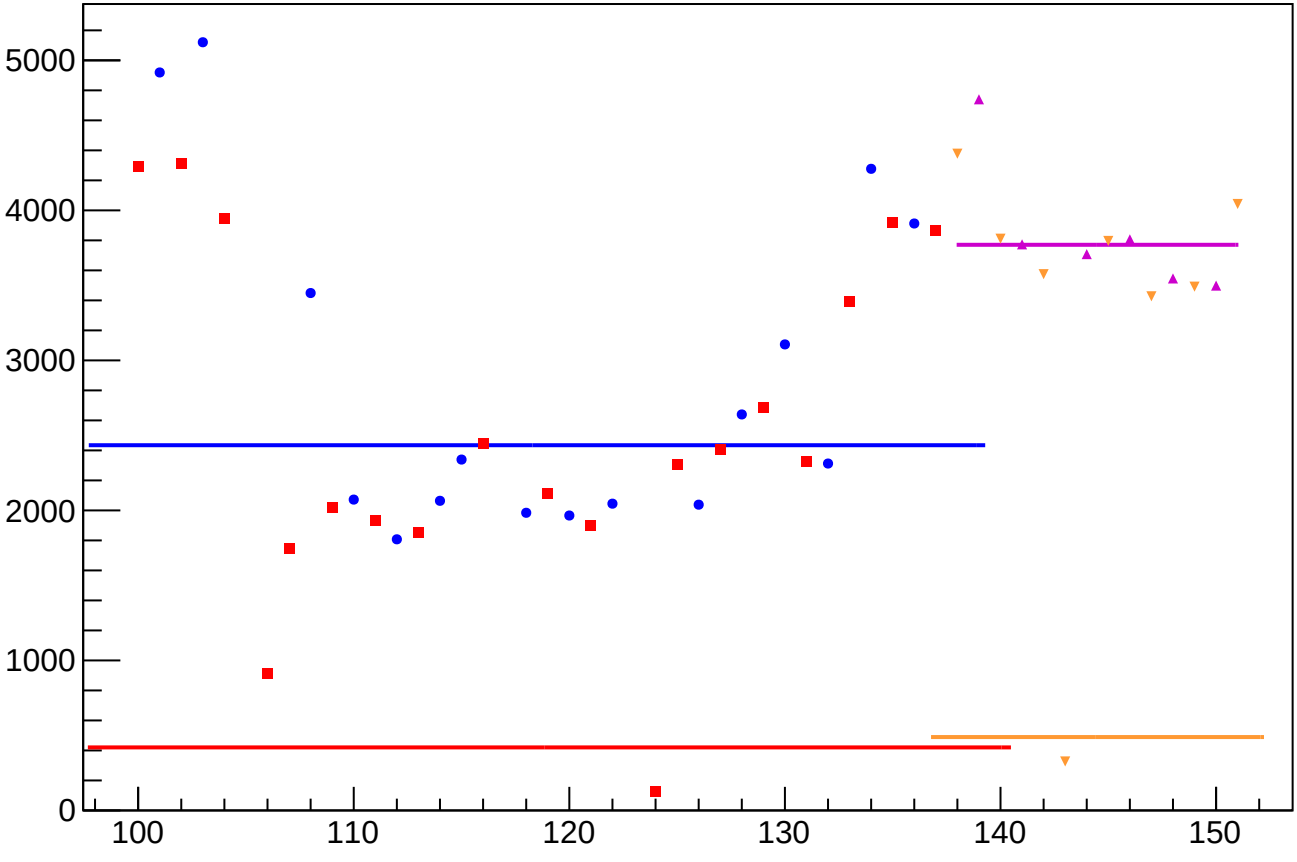
Left In: 862.012+/-1653.600 χ^2/NDF:1.4/5

+ sign 59.493+/-333.311 χ^2/NDF: 26.9/23

All: 108.368+/-229.963 χ^2/NDF: 49.4/48

- sign 152.767+/-317.684 χ^2/NDF: 22.5/24

asym_atl_dd_reg_correction_rms vs Slug



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 489.237+/-0.251 χ^2/NDF:8461212.7/7

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

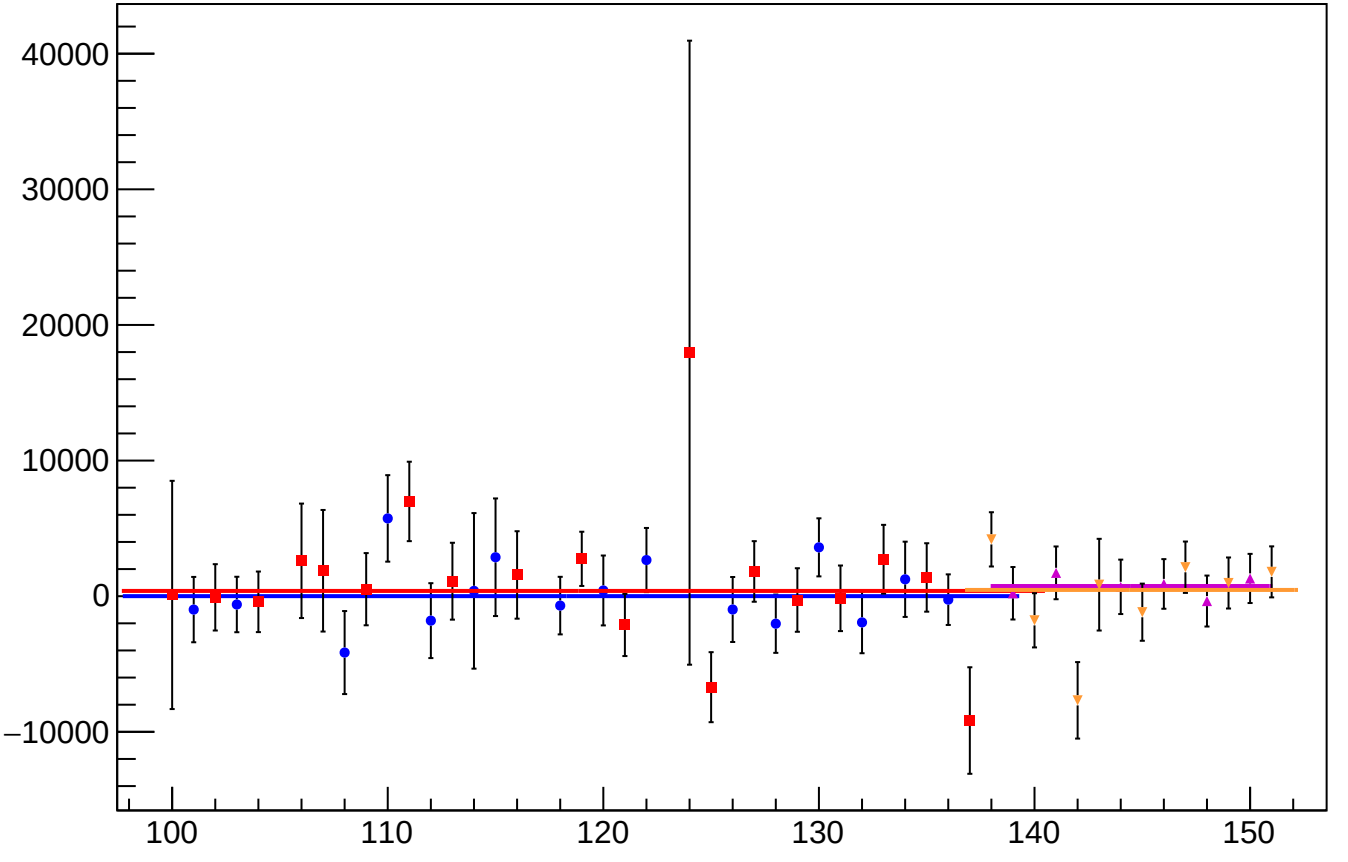
Left In: 3770.544+/-1.169 χ^2/NDF:88831.3/5

+ sign 723.222+/-0.236 χ^2/NDF: 17127726.3/23

All: 629.283+/-0.163 χ^2/NDF: 36490339.8/48

- sign 543.946+/-0.225 χ^2/NDF: 19059436.5/24

cor_asym_atl_dd_mean vs Slug



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 461.828+/-748.894 χ^2/NDF:15.0/7

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

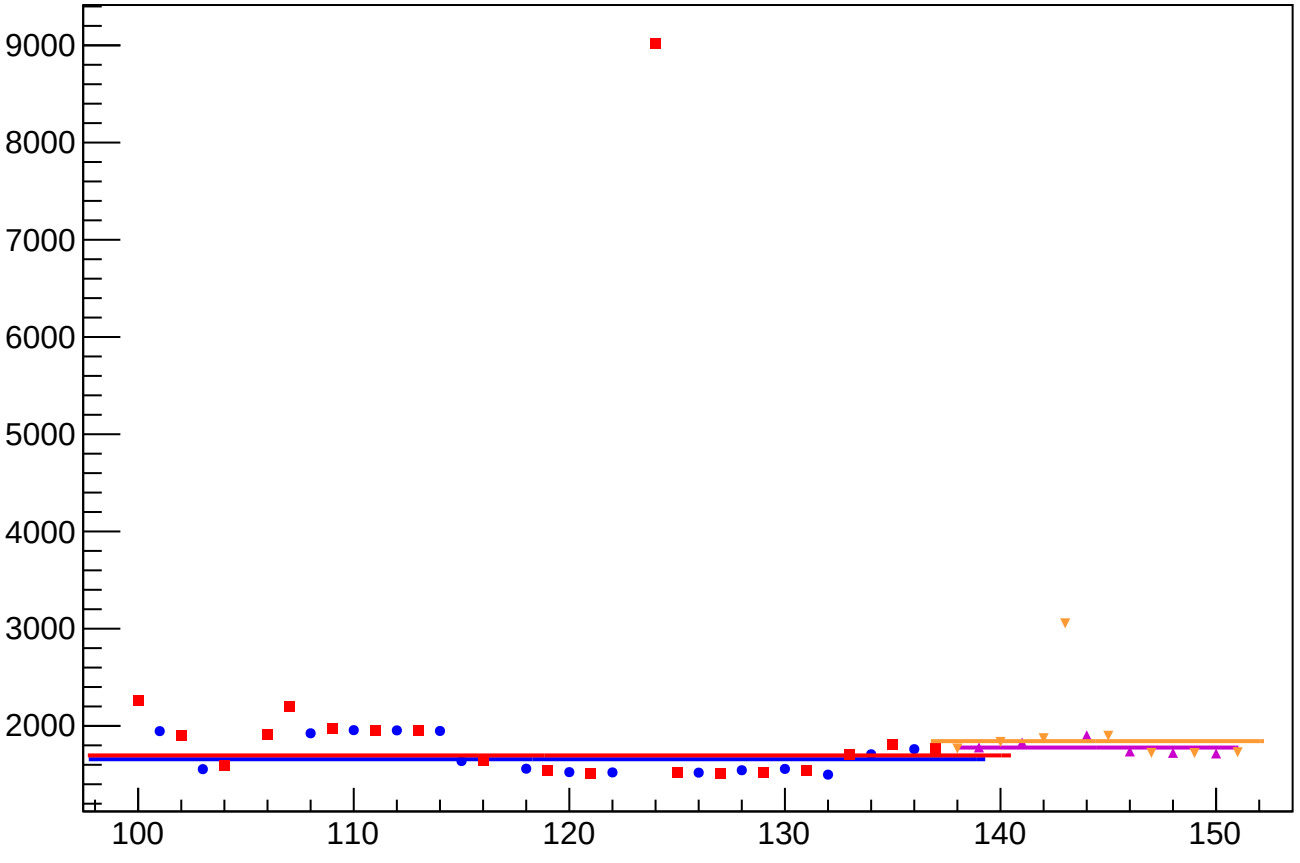
Left In: 751.184+/-774.632 χ^2/NDF:0.8/5

+ sign 190.325+/-477.531 χ^2/NDF: 27.7/23

All: 357.682+/-342.151 χ^2/NDF: 52.9/48

- sign 534.237+/-490.479 χ^2/NDF: 25.0/24

cor_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1843.363+/-0.530 χ^2/NDF:285290.5/7

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

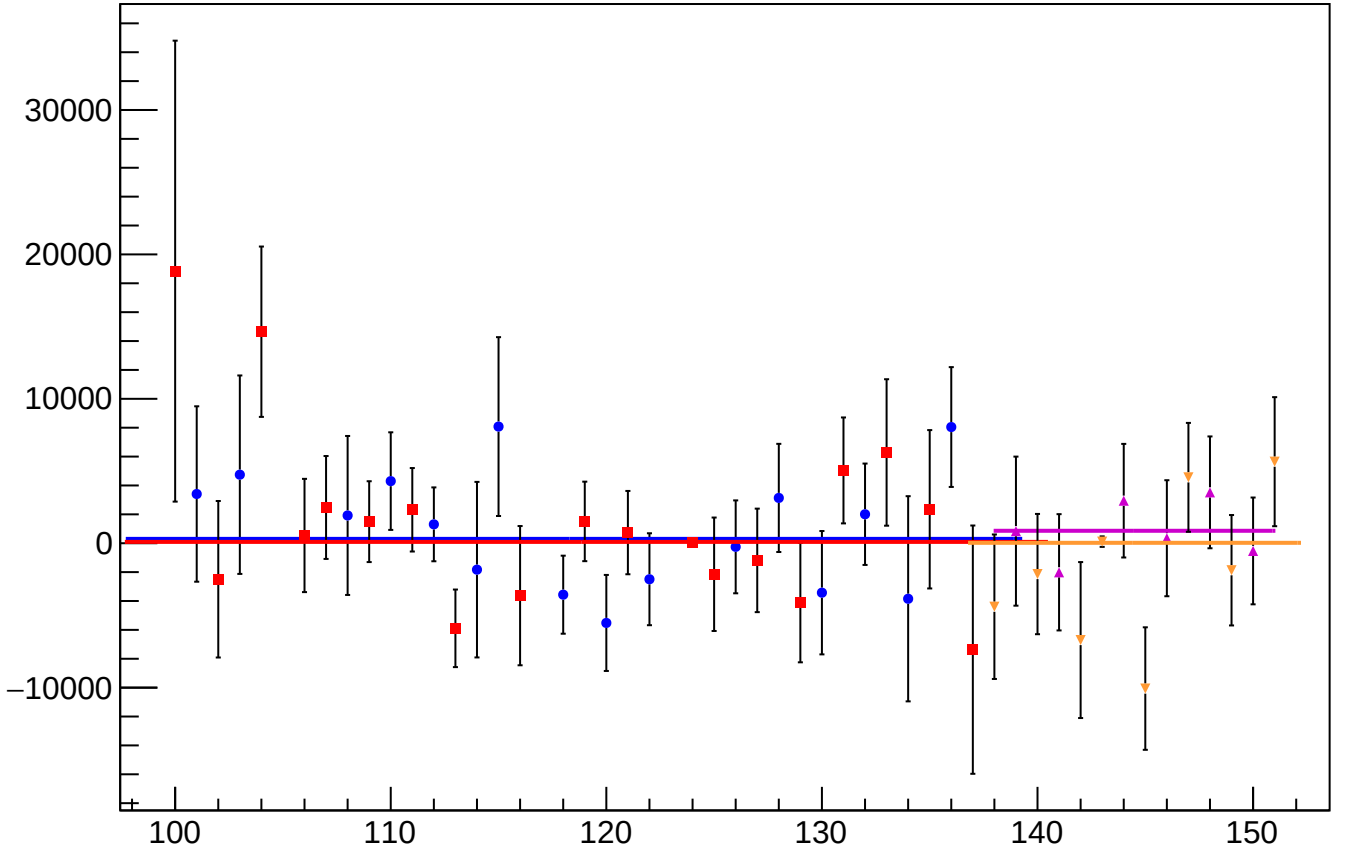
Left In: 1777.403+/-0.548 χ^2/NDF:14221.4/5

+ sign 1732.845+/-0.338 χ^2/NDF: 502674.3/23

All: 1730.842+/-0.242 χ^2/NDF: 918073.9/48

- sign 1728.740+/-0.346 χ^2/NDF: 415327.5/24

asym_atl_dd_cor_correction_mean vs Slug



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 28.534+/-355.340 χ^2/NDF:11.6/7

Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

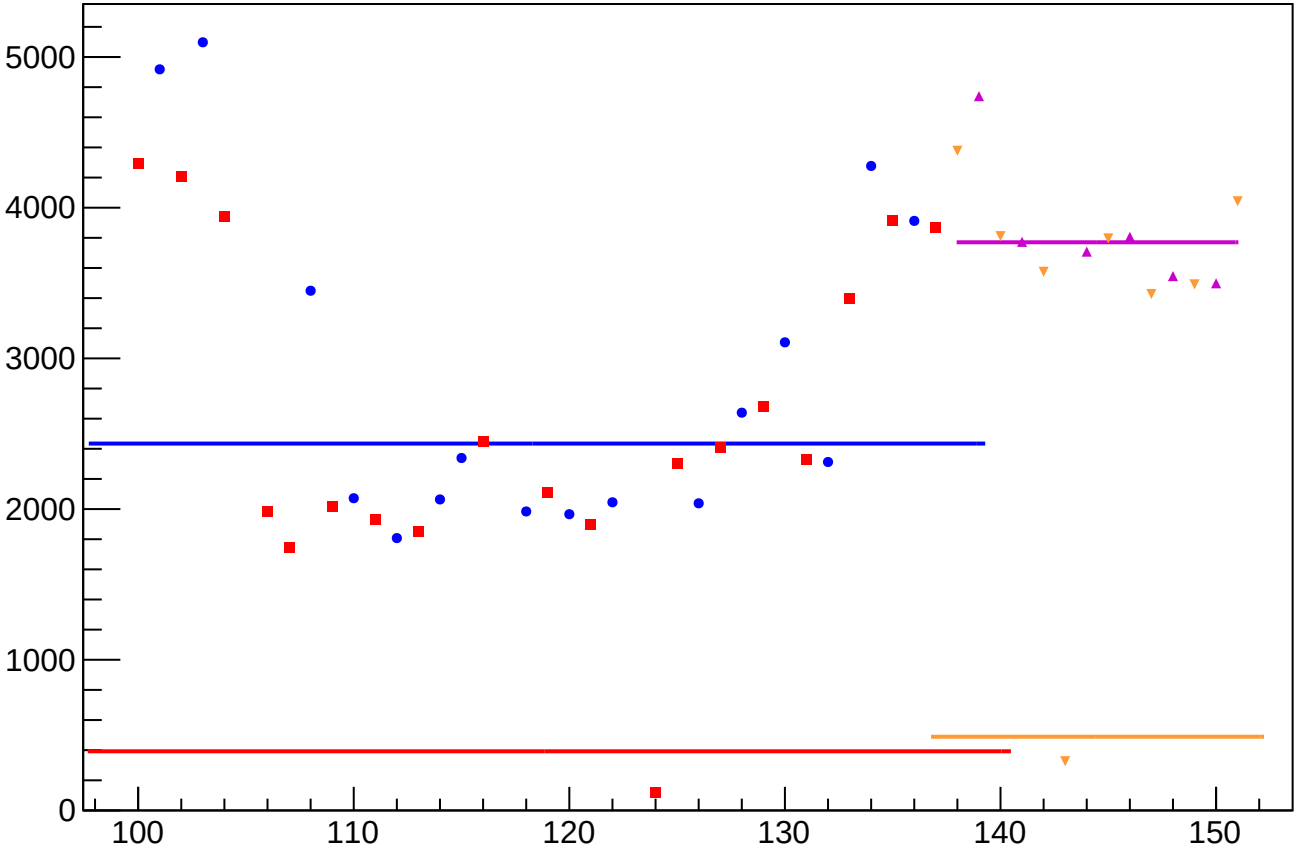
Left In: 862.017+/-1653.599 χ^2/NDF:1.4/5

+ sign 61.410+/-333.284 χ^2/NDF: 27.0/23

All: 92.446+/-227.049 χ^2/NDF: 49.3/48

- sign 119.323+/-310.153 χ^2/NDF: 22.3/24

asym_atl_dd_cor_correction_rms vs Slug



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 489.185+/-0.251 χ^2/NDF:8461412.4/7

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

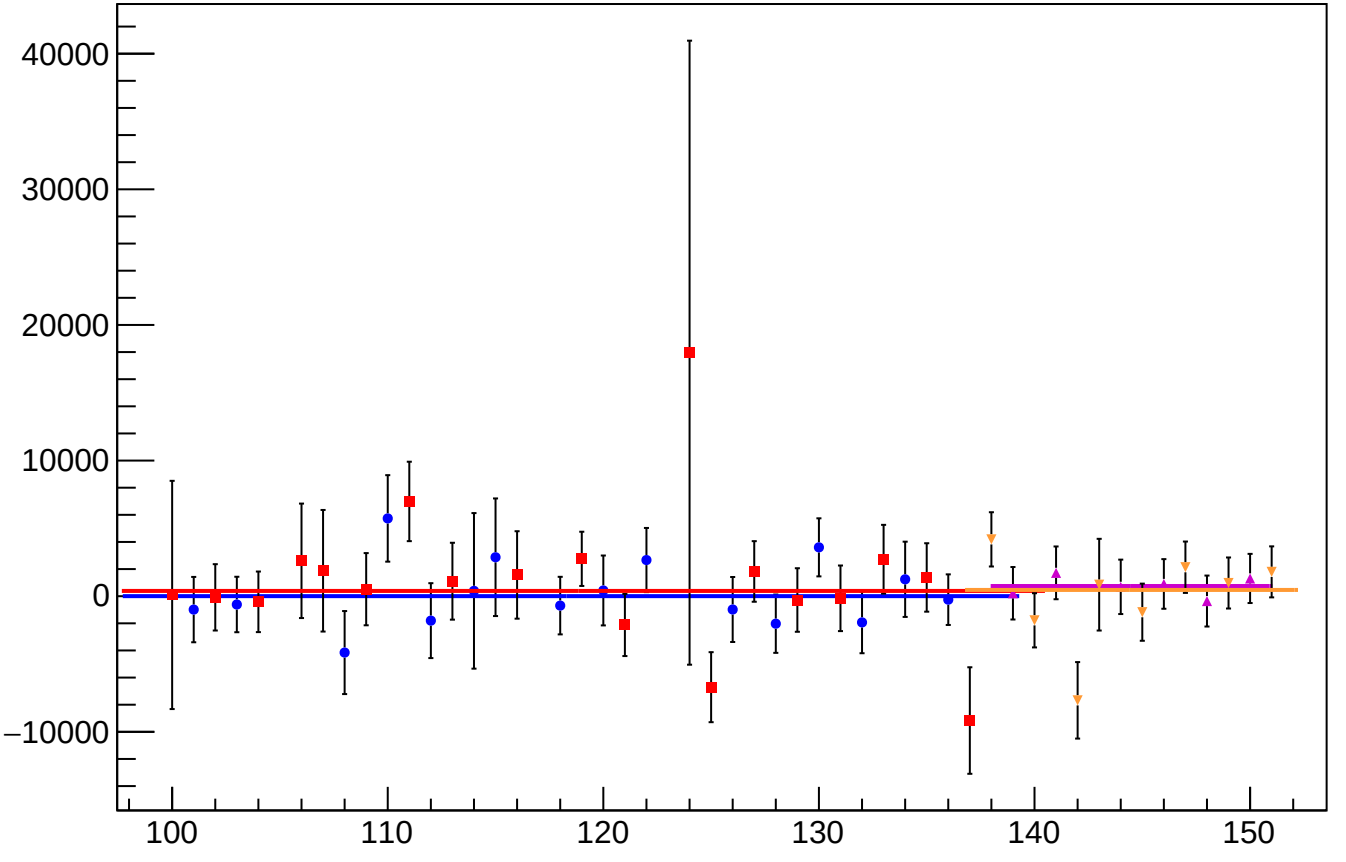
Left In: 3770.543+/-1.169 χ^2/NDF:88830.1/5

+ sign 723.216+/-0.236 χ^2/NDF: 17129536.8/23

All: 609.756+/-0.161 χ^2/NDF: 37110886.5/48

- sign 511.498+/-0.219 χ^2/NDF: 19548836.3/24

eigen_cor_asym_atl_dd_mean vs Slug



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 461.828+/-748.894 χ^2/NDF:15.0/7

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

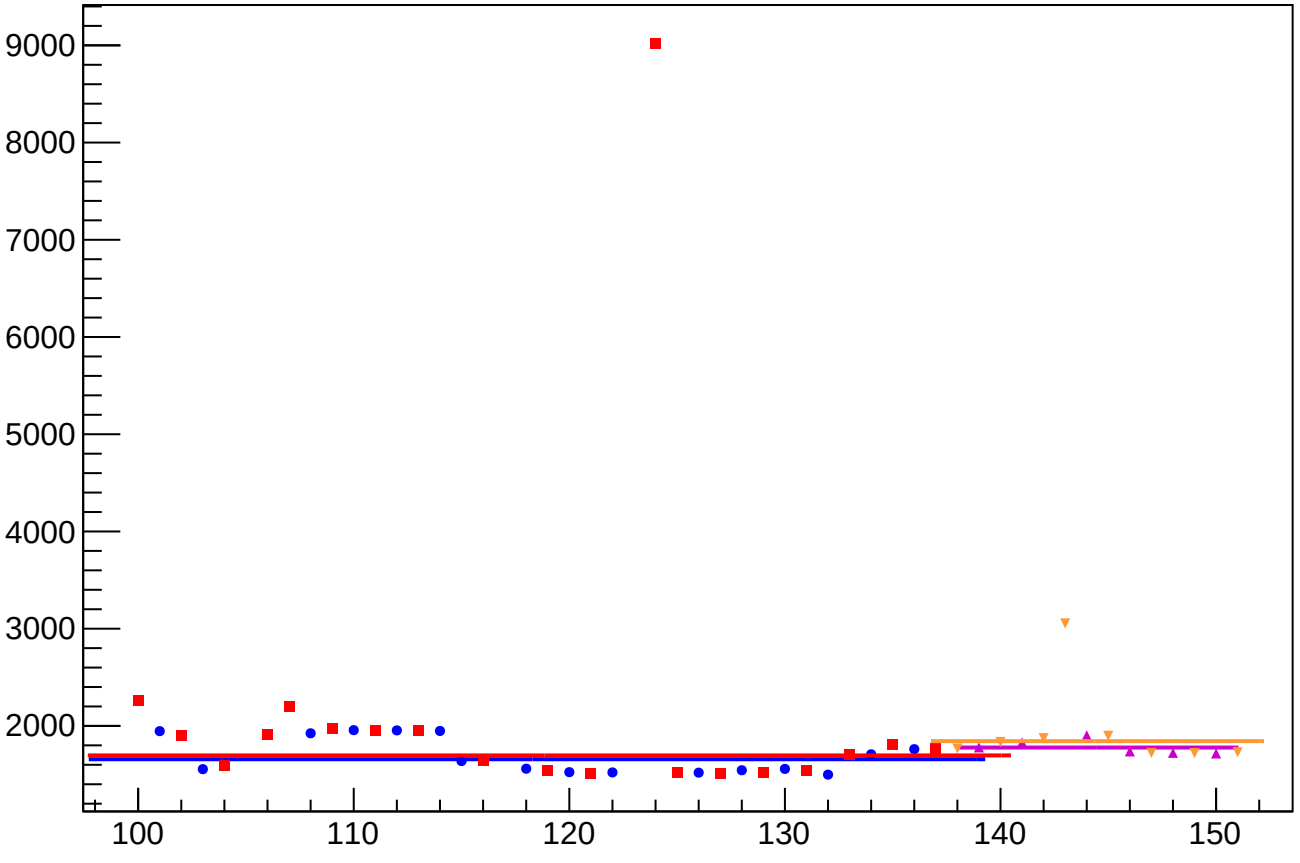
Left In: 751.184+/-774.632 χ^2/NDF:0.8/5

+ sign 190.325+/-477.531 χ^2/NDF: 27.7/23

All: 357.682+/-342.151 χ^2/NDF: 52.9/48

- sign 534.237+/-490.479 χ^2/NDF: 25.0/24

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1843.363+/-0.530 χ^2/NDF:285290.5/7

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

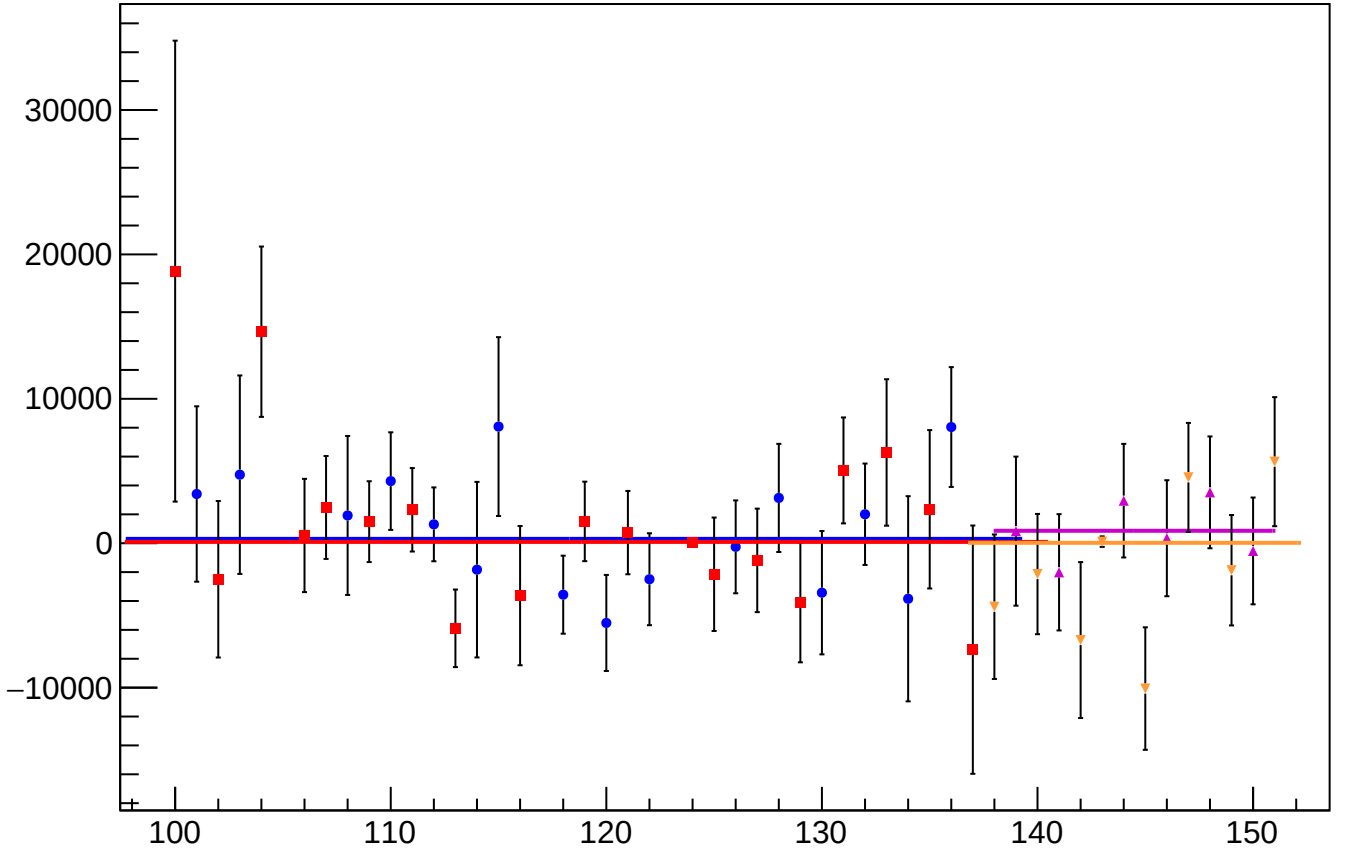
Left In: 1777.403+/-0.548 χ^2/NDF:14221.4/5

+ sign 1732.845+/-0.338 χ^2/NDF: 502674.3/23

All: 1730.842+/-0.242 χ^2/NDF: 918073.9/48

- sign 1728.740+/-0.346 χ^2/NDF: 415327.5/24

asym_atl_dd_eigen_cor_correction_mean vs Slug



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 28.534+/-355.340 χ^2/NDF:11.6/7

Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

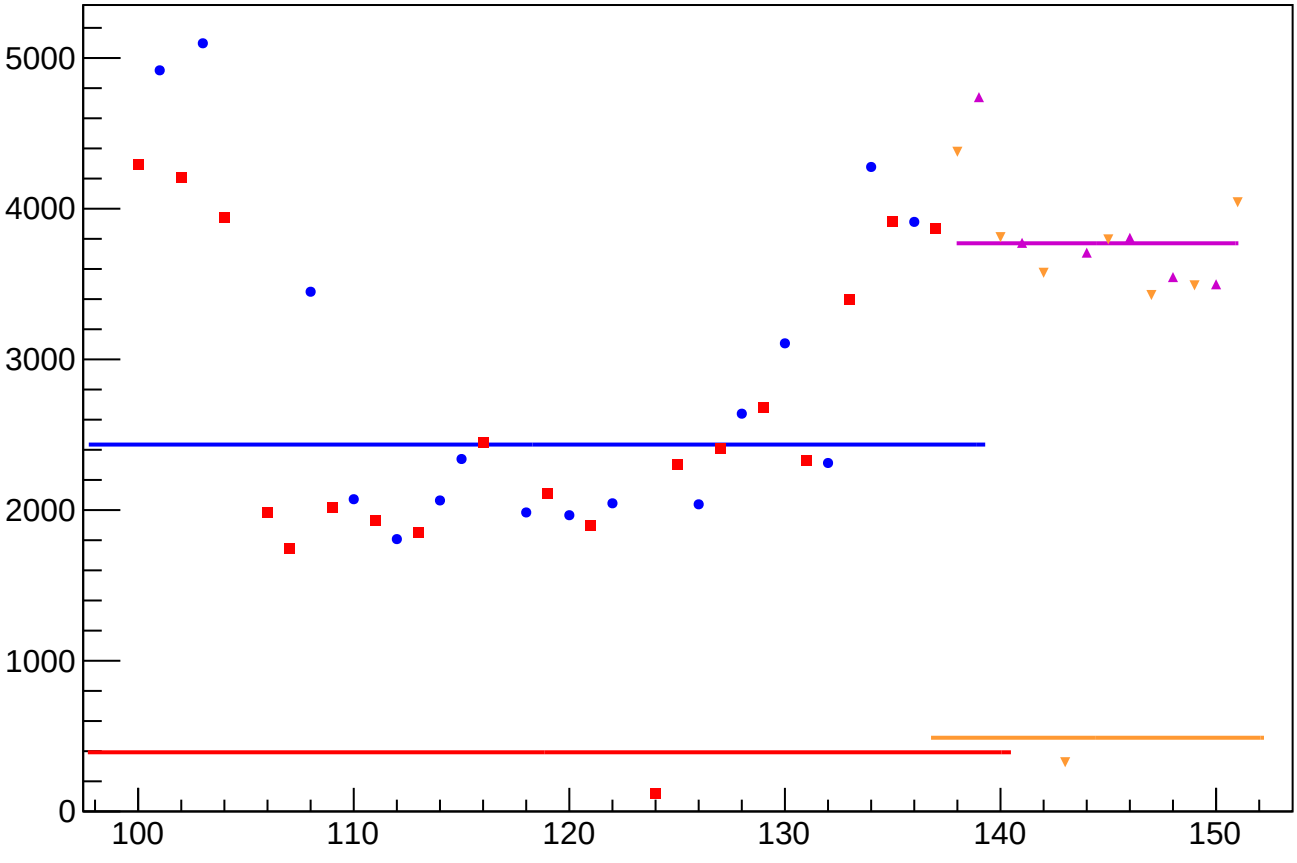
Left In: 862.017+/-1653.599 χ^2/NDF:1.4/5

+ sign 61.410+/-333.284 χ^2/NDF: 27.0/23

All: 92.446+/-227.049 χ^2/NDF: 49.3/48

- sign 119.323+/-310.153 χ^2/NDF: 22.3/24

asym_atl_dd_eigen_cor_correction_rms vs Slug



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 489.185+/-0.251 χ^2/NDF:8461412.4/7

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

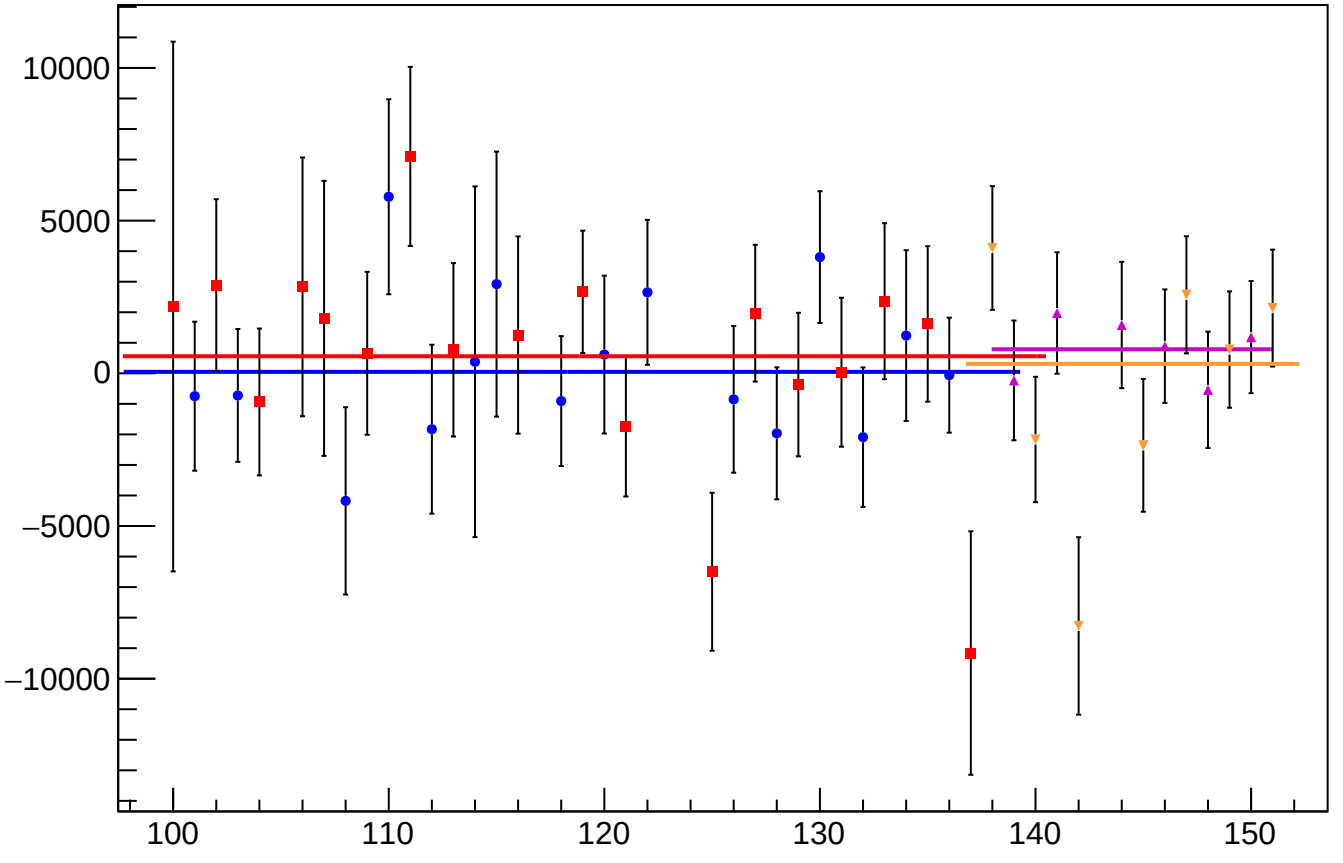
Left In: 3770.543+/-1.169 χ^2/NDF:88830.1/5

+ sign 723.216+/-0.236 χ^2/NDF: 17129536.8/23

All: 609.756+/-0.161 χ^2/NDF: 37110886.5/48

- sign 511.498+/-0.219 χ^2/NDF: 19548836.3/24

dit_asym_atl_dd_mean vs Slug



Right In: 48.331+/-626.151 χ^2/NDF: 12.8/15

Left Out: 309.802+/-782.926 χ^2/NDF:17.6/6

Right Out: 559.598+/-645.291 χ^2/NDF: 23.3/17

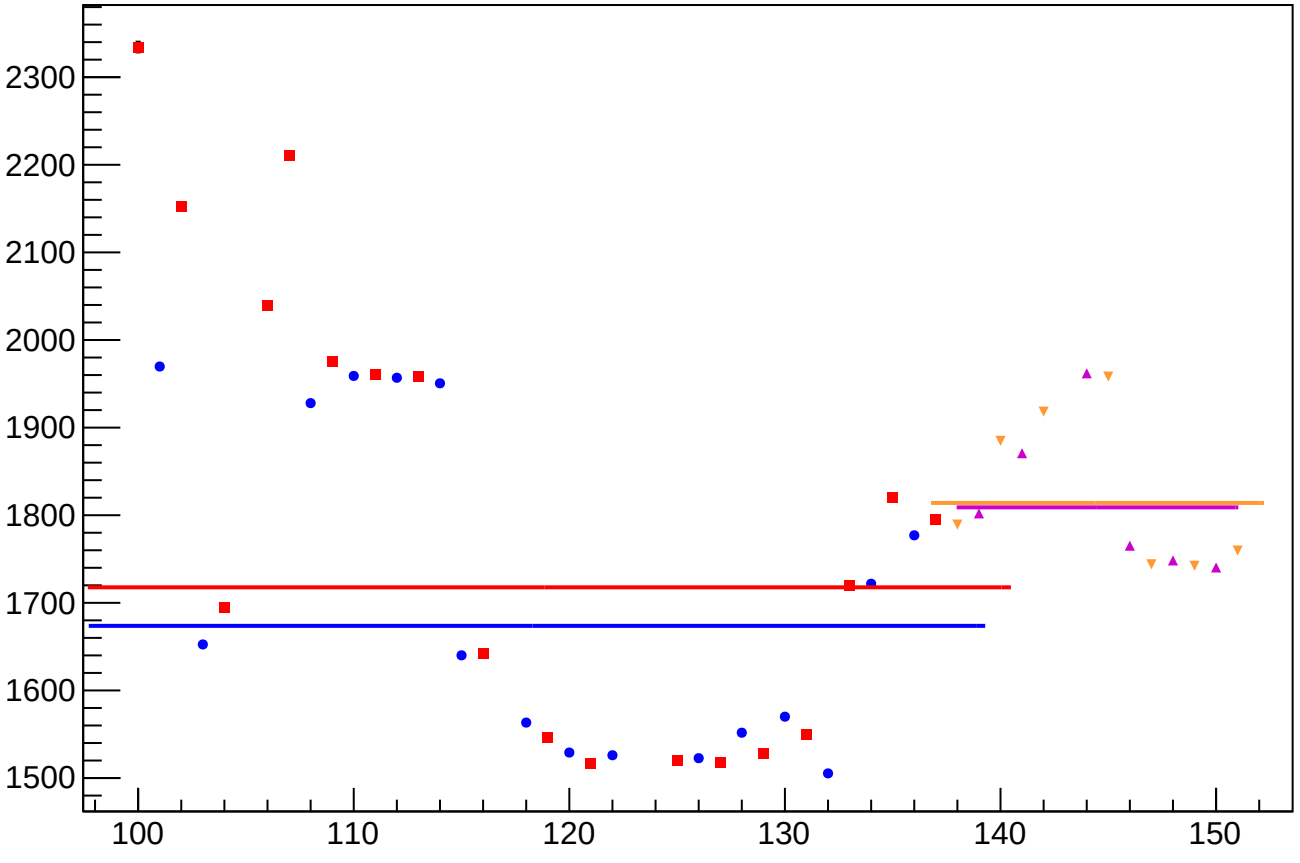
Left In: 789.387+/-788.619 χ^2/NDF:1.3/5

\+ sign 150.331+/-489.000 χ^2/NDF: 30.4/22

All: 395.760+/-349.397 χ^2/NDF: 55.6/46

\- sign 651.751+/-499.410 χ^2/NDF: 24.6/23

dit_asym_atl_dd_rms vs Slug



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1814.031+/-0.554 χ^2/NDF:21162.6/6

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

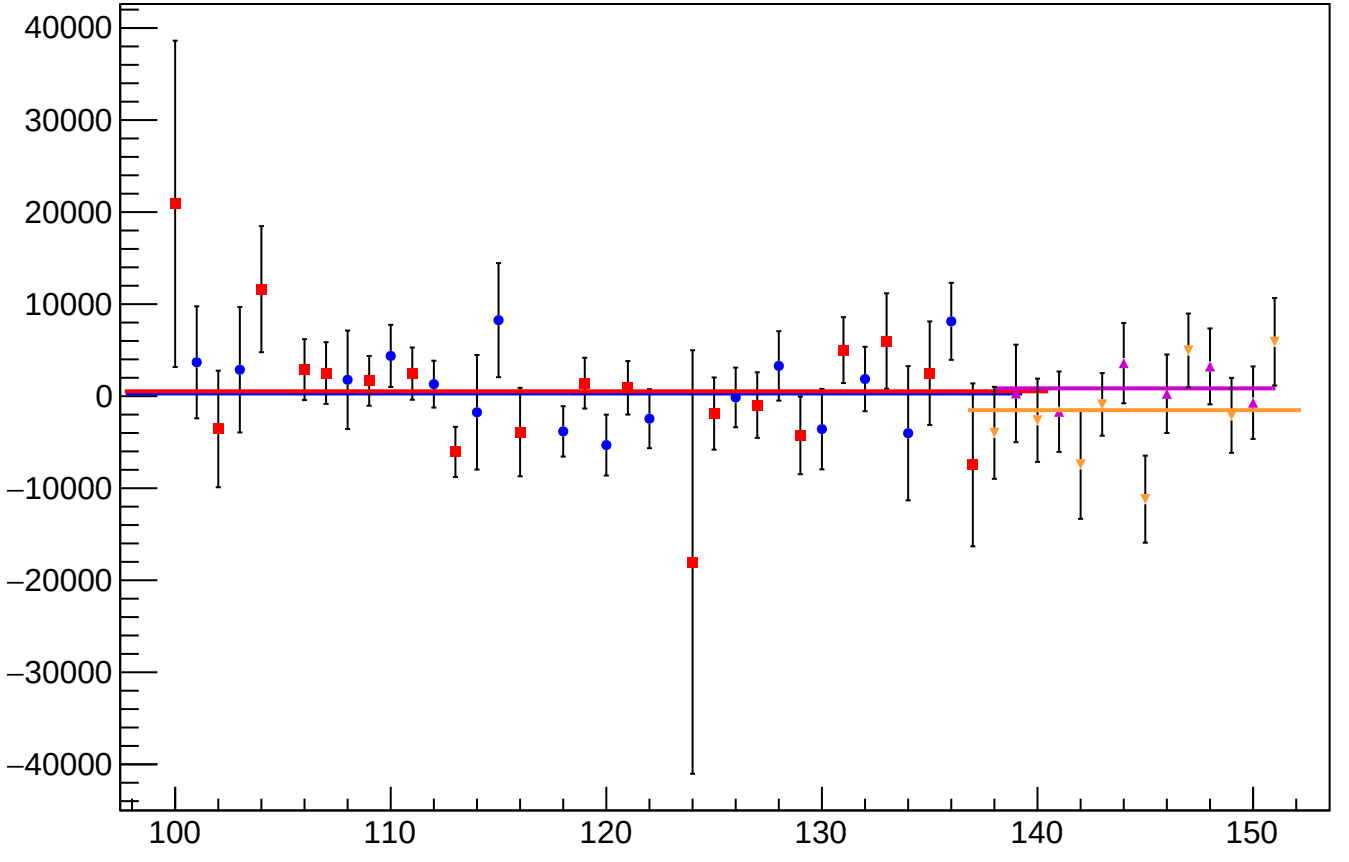
Left In: 1808.979+/-0.558 χ^2/NDF:18821.0/5

+ sign 1728.460+/-0.346 χ^2/NDF: 201207.8/22

All: 1741.083+/-0.247 χ^2/NDF: 466463.5/46

- sign 1754.212+/-0.353 χ^2/NDF: 262536.9/23

asym_atl_dd_dit_correction_mean vs Slug



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: -1518.691+/-1551.568 χ^2/NDF:10.6/7

Right Out: 531.007+/-883.969 χ^2/NDF: 18.8/18

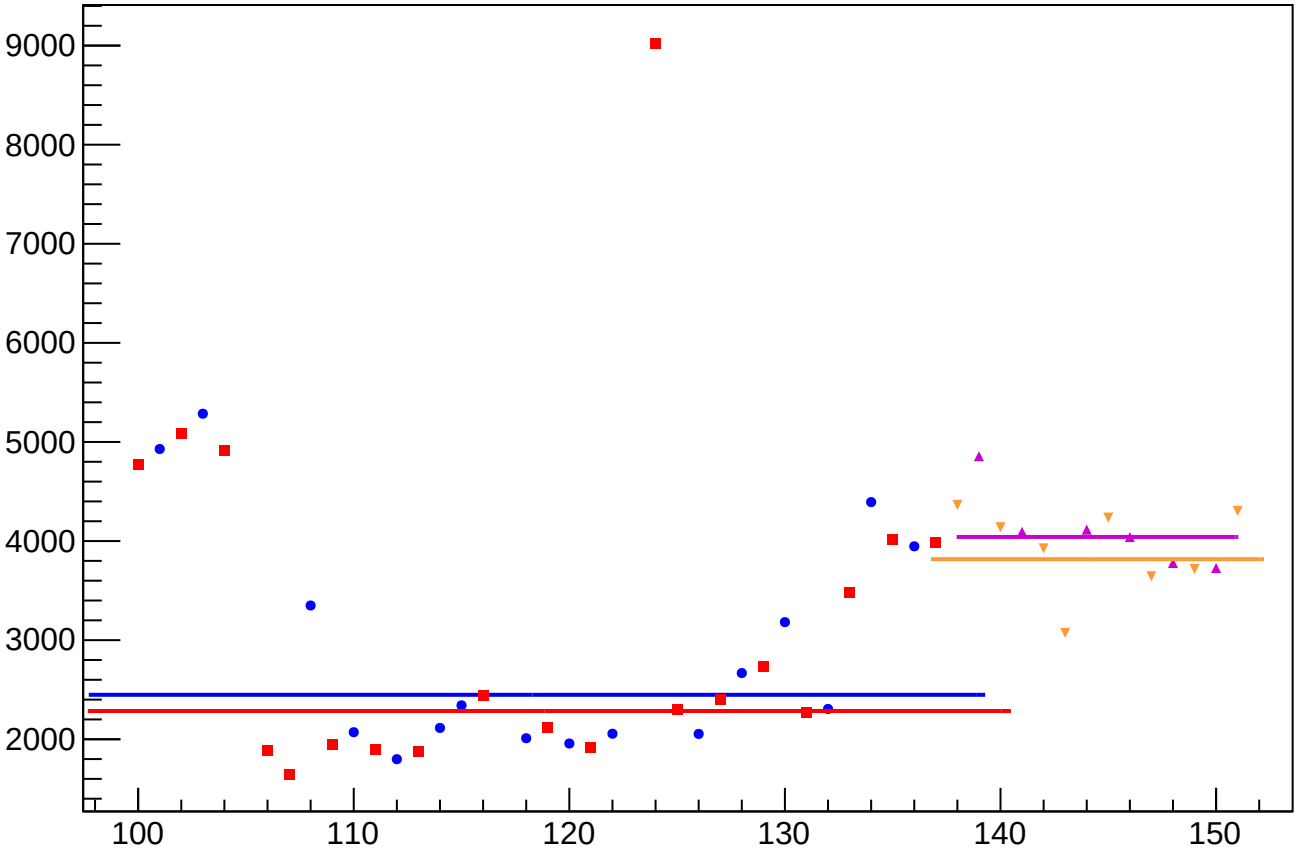
Left In: 847.432+/-1771.365 χ^2/NDF:1.3/5

+ sign -209.551+/-819.242 χ^2/NDF: 26.8/23

All: 206.388+/-569.026 χ^2/NDF: 47.4/48

- sign 594.096+/-790.952 χ^2/NDF: 20.0/24

asym_atl_dd_dit_correction_rms vs Slug



Right In: 2448.598+/-0.682 χ^2/NDF: 1517585.7/15

Left Out: 3817.230+/-1.097 χ^2/NDF:172141.6/7

Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

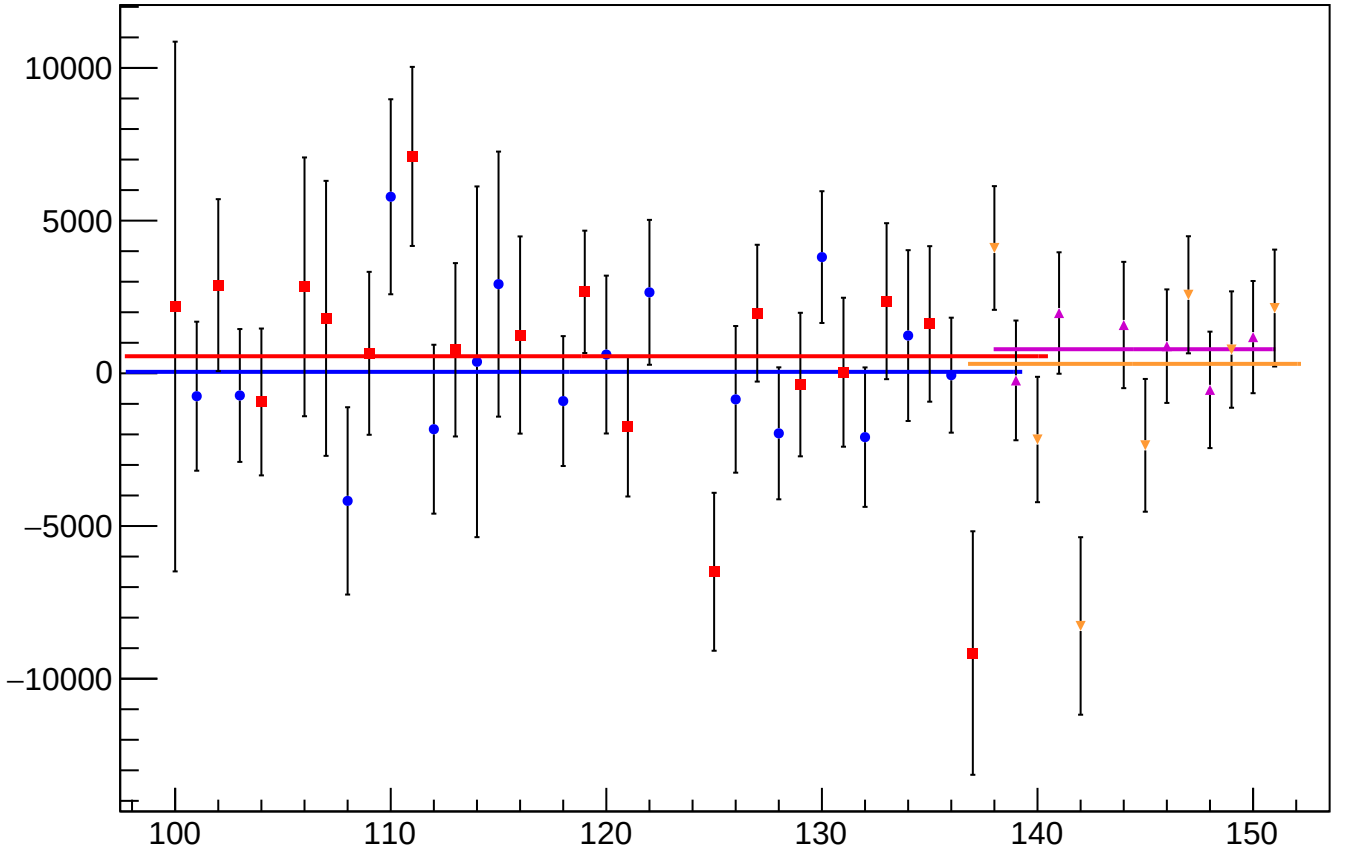
Left In: 4041.572+/-1.253 χ^2/NDF:68979.9/5

+ sign 2830.163+/-0.579 χ^2/NDF: 2812059.1/23

All: 2729.302+/-0.402 χ^2/NDF: 6062902.6/48

- sign 2635.287+/-0.559 χ^2/NDF: 3192271.8/24

eigen_dit_asym_atl_dd_mean vs Slug



Right In: 48.329+/-626.151 χ^2/NDF: 12.8/15

Left Out: 309.797+/-782.927 χ^2/NDF:17.6/6

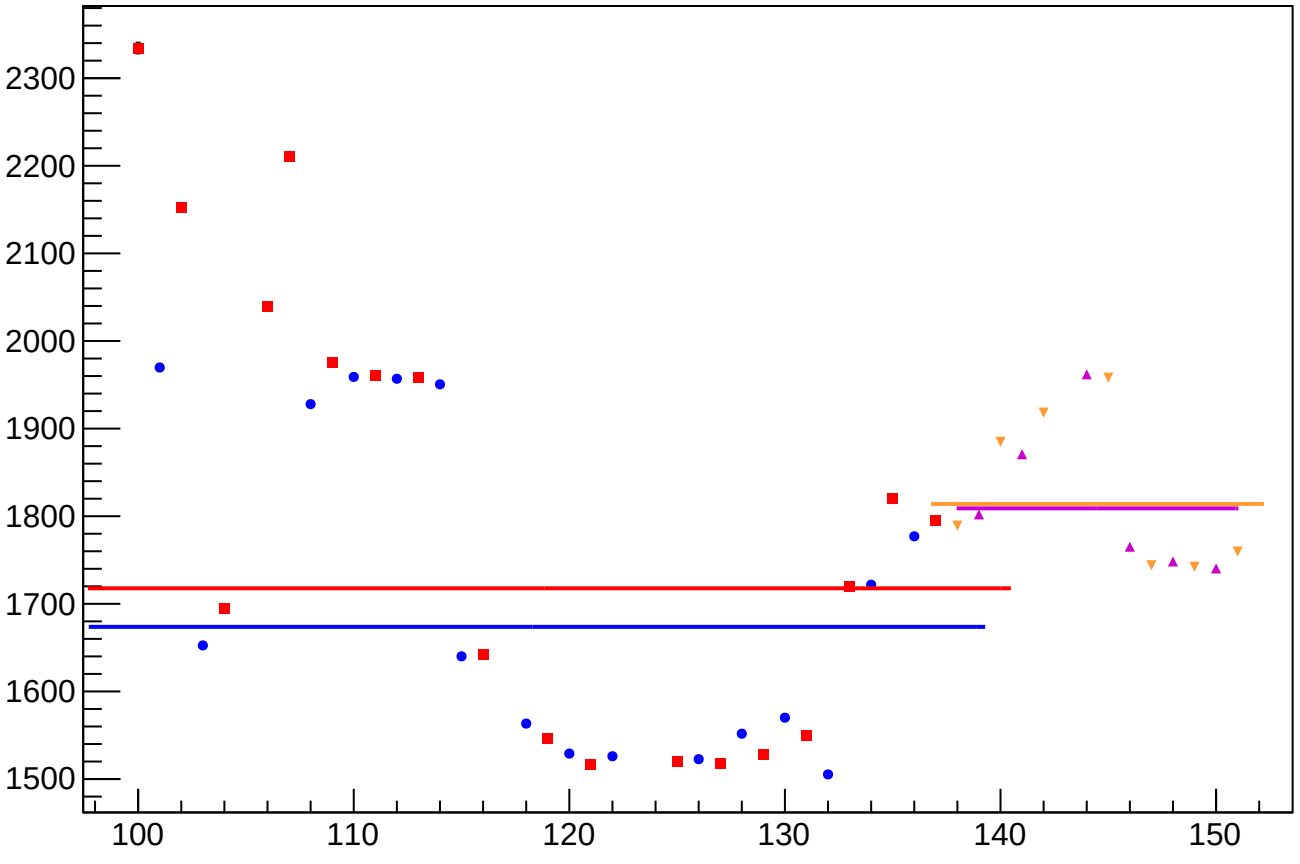
Right Out: 559.600+/-645.291 χ^2/NDF: 23.3/17

Left In: 789.389+/-788.619 χ^2/NDF:1.3/5

+ sign 150.327+/-489.000 χ^2/NDF: 30.4/22

All: 395.760+/-349.397 χ^2/NDF: 55.6/46

- sign 651.753+/-499.410 χ^2/NDF: 24.6/23



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1814.031+/-0.554 χ^2/NDF:21163.1/6

Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

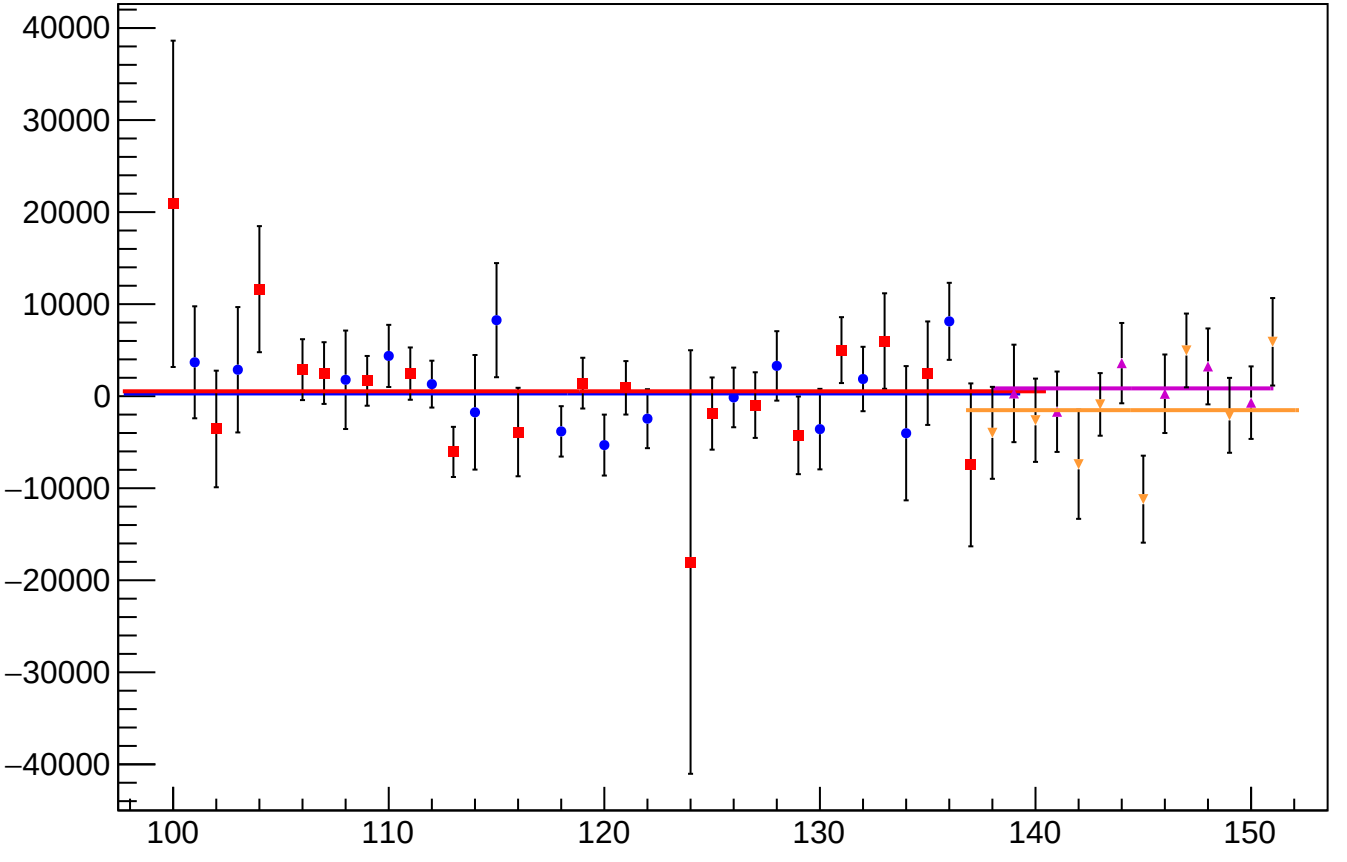
Left In: 1808.980+/-0.558 χ^2/NDF:18821.2/5

+ sign 1728.460+/-0.346 χ^2/NDF: 201208.8/22

All: 1741.083+/-0.247 χ^2/NDF: 466464.3/46

- sign 1754.213+/-0.353 χ^2/NDF: 262536.8/23

asym_atl_dd_eigen_dit_correction_mean vs Slug



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: -1518.687+/-1551.570 χ^2/NDF:10.6/7

Right Out: 531.009+/-883.966 χ^2/NDF: 18.8/18

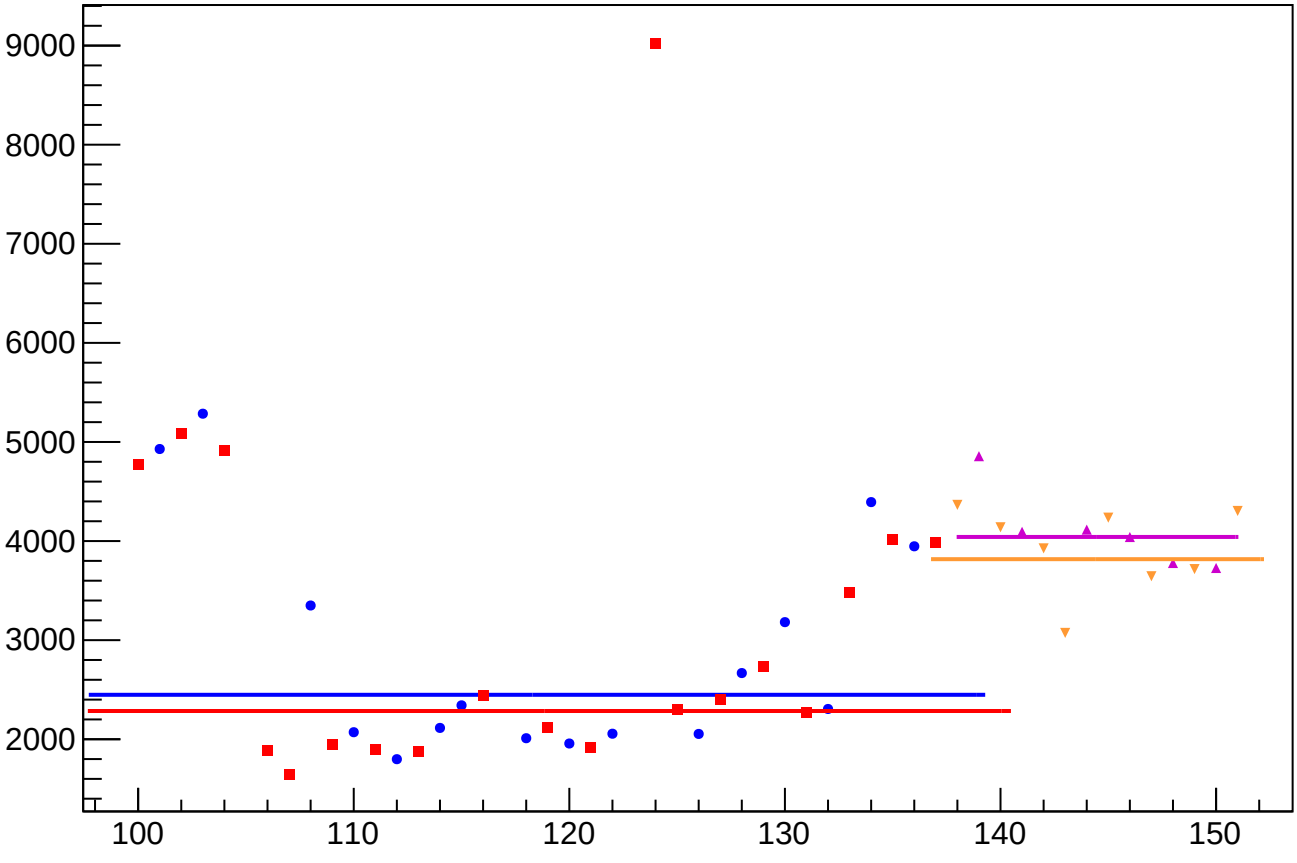
Left In: 847.433+/-1771.367 χ^2/NDF:1.3/5

+ sign -209.550+/-819.239 χ^2/NDF: 26.8/23

All: 206.389+/-569.024 χ^2/NDF: 47.4/48

- sign 594.097+/-790.949 χ^2/NDF: 20.0/24

asym_atl_dd_eigen_dit_correction_rms vs Slug



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 3817.234+/-1.097 χ^2/NDF:172144.5/7

Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

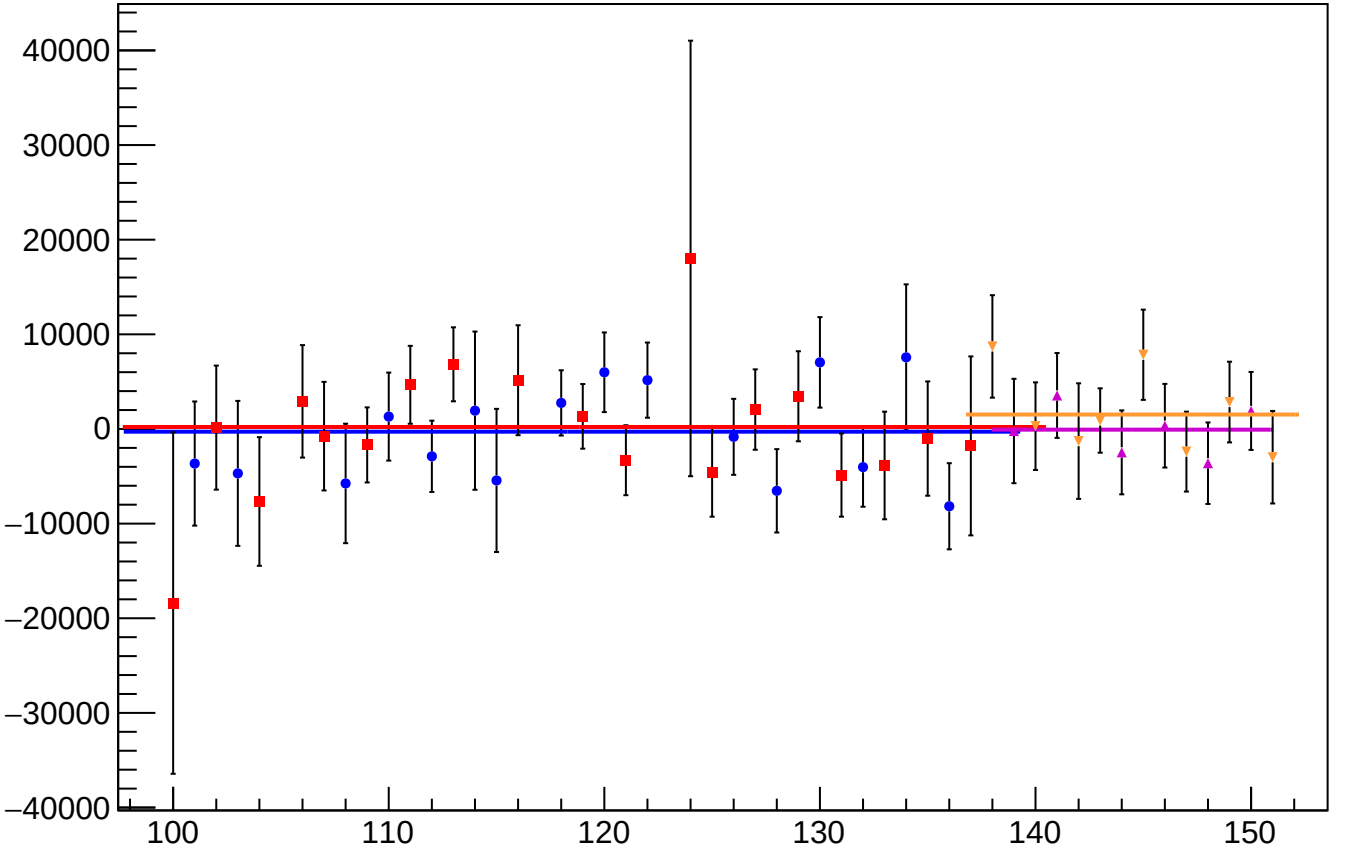
Left In: 4041.577+/-1.253 χ^2/NDF:68982.0/5

+ sign 2830.154+/-0.579 χ^2/NDF: 2812099.2/23

All: 2729.293+/-0.402 χ^2/NDF: 6062975.4/48

- sign 2635.278+/-0.559 χ^2/NDF: 3192304.7/24

asym_atl_dd_mean vs Slug



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: 1525.199+/-1599.091 χ^2/NDF:5.6/7

Right Out: 209.473+/-1153.742 χ^2/NDF: 12.9/18

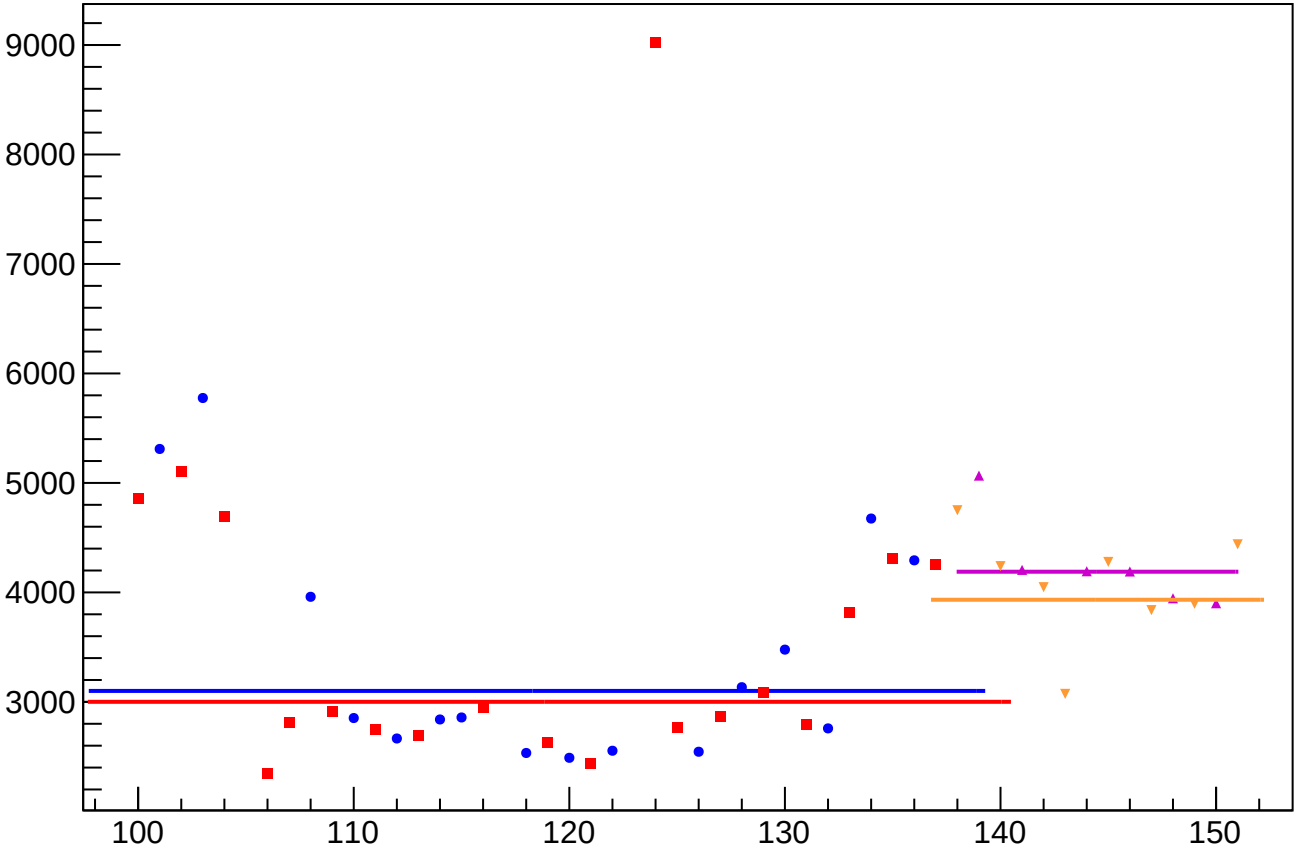
Left In: -72.402+/-1833.432 χ^2/NDF:1.9/5

+ sign 363.836+/-958.440 χ^2/NDF: 23.0/23

All: 248.861+/-684.011 χ^2/NDF: 37.8/48

- sign 129.515+/-976.488 χ^2/NDF: 14.7/24

asym_atl_dd_rms vs Slug



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 3932.949+/-1.131 χ^2/NDF:216009.3/7

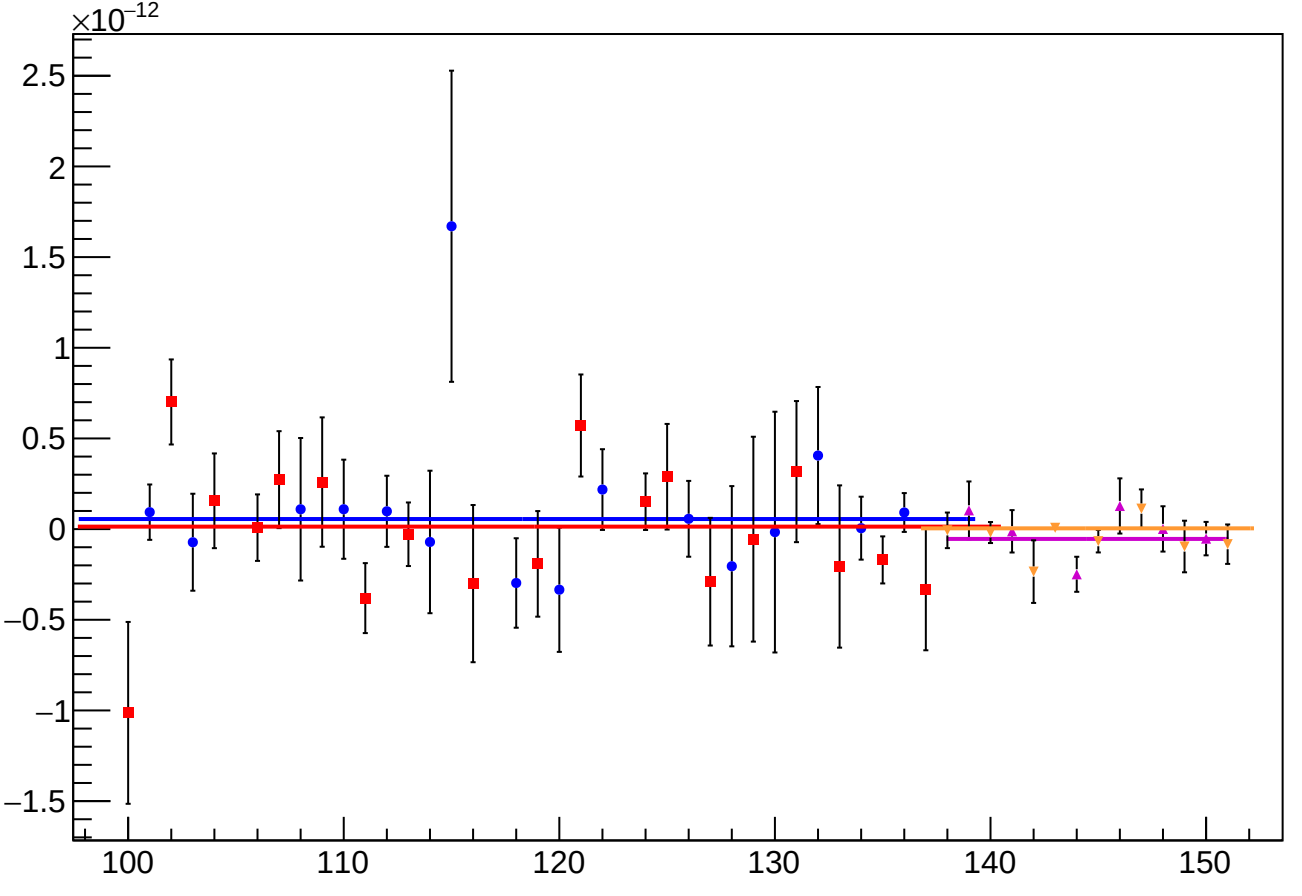
Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 4189.000+/-1.296 χ^2/NDF:66817.1/5

+ sign 3399.314+/-0.678 χ^2/NDF: 1527276.3/23

All: 3365.604+/-0.481 χ^2/NDF: 3012073.2/48

- sign 3331.290+/-0.684 χ^2/NDF: 1479804.4/24



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.7/7

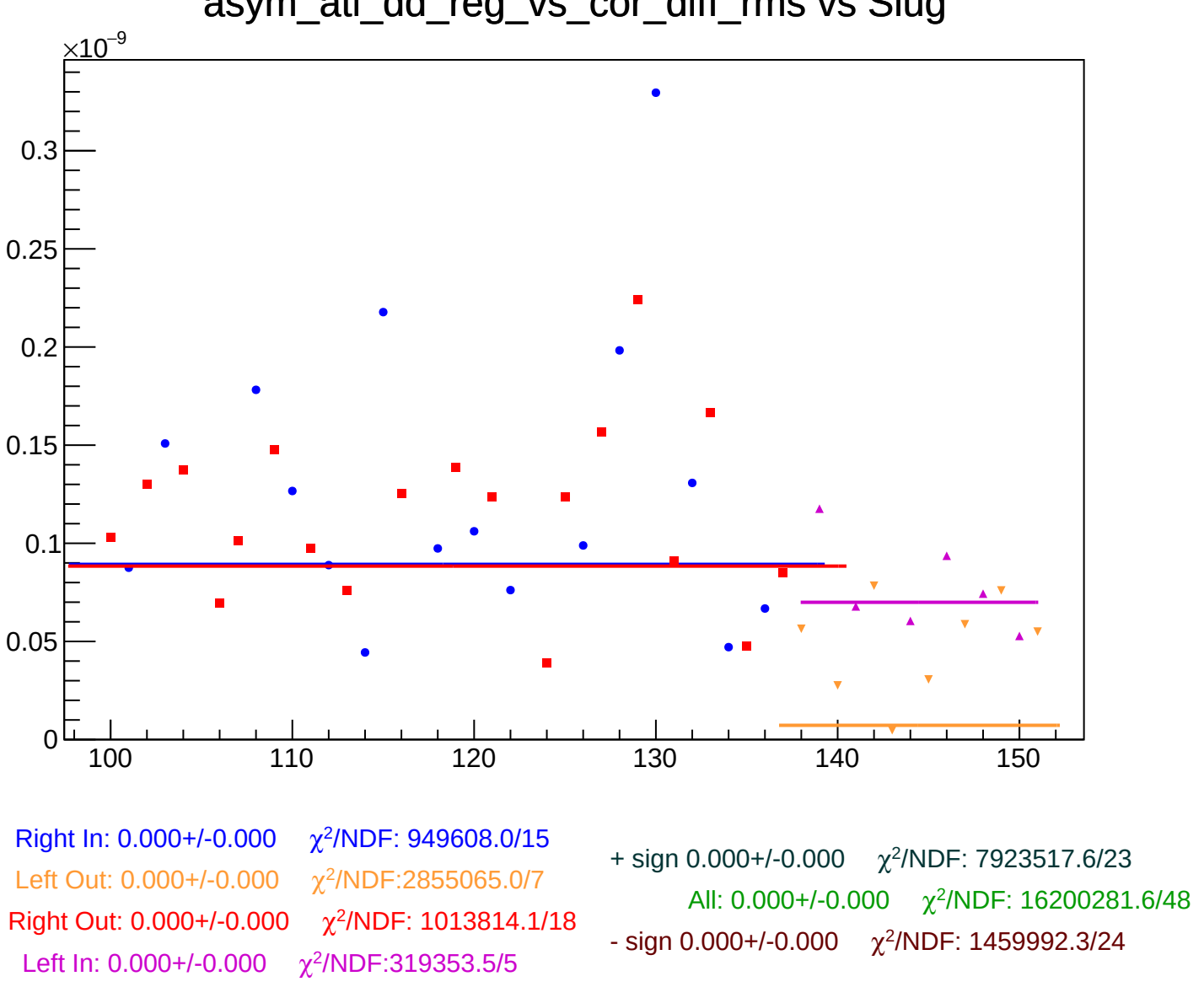
Right Out: 0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: -0.000+/-0.000 χ^2/NDF:6.8/5

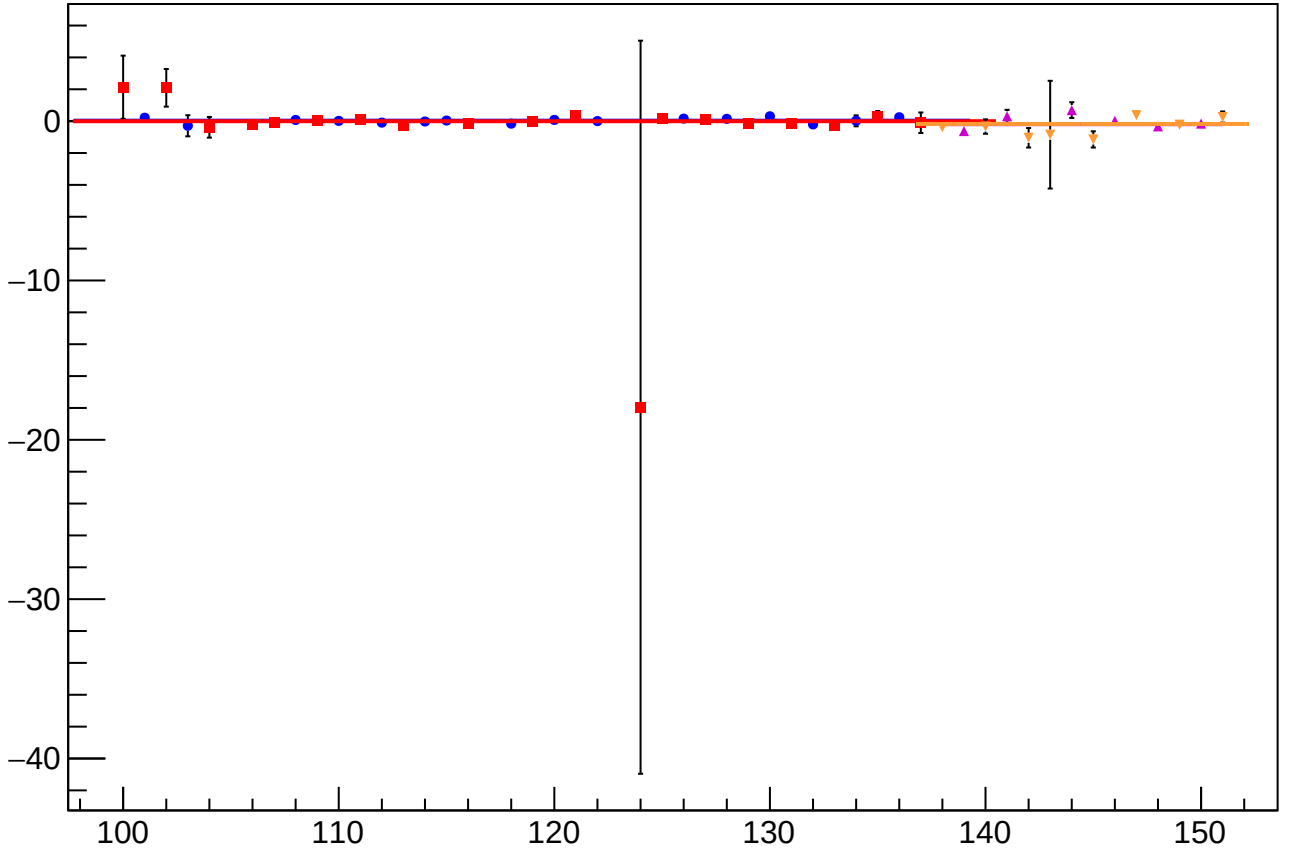
+ sign 0.000+/-0.000 χ^2/NDF: 15.8/23

All: 0.000+/-0.000 χ^2/NDF: 54.2/48

- sign -0.000+/-0.000 χ^2/NDF: 37.7/24


asym_atl_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 949608.0/15
Left Out: 0.000+/-0.000 χ²/NDF:2855065.0/7
Right Out: 0.000+/-0.000 χ²/NDF: 1013814.1/18
Left In: 0.000+/-0.000 χ²/NDF:319353.5/5
+ sign 0.000+/-0.000 χ²/NDF: 7923517.6/23
All: 0.000+/-0.000 χ²/NDF: 16200281.6/48
- sign 0.000+/-0.000 χ²/NDF: 1459992.3/24

asym_atl_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.177+/-0.136 χ^2/NDF:11.4/7

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

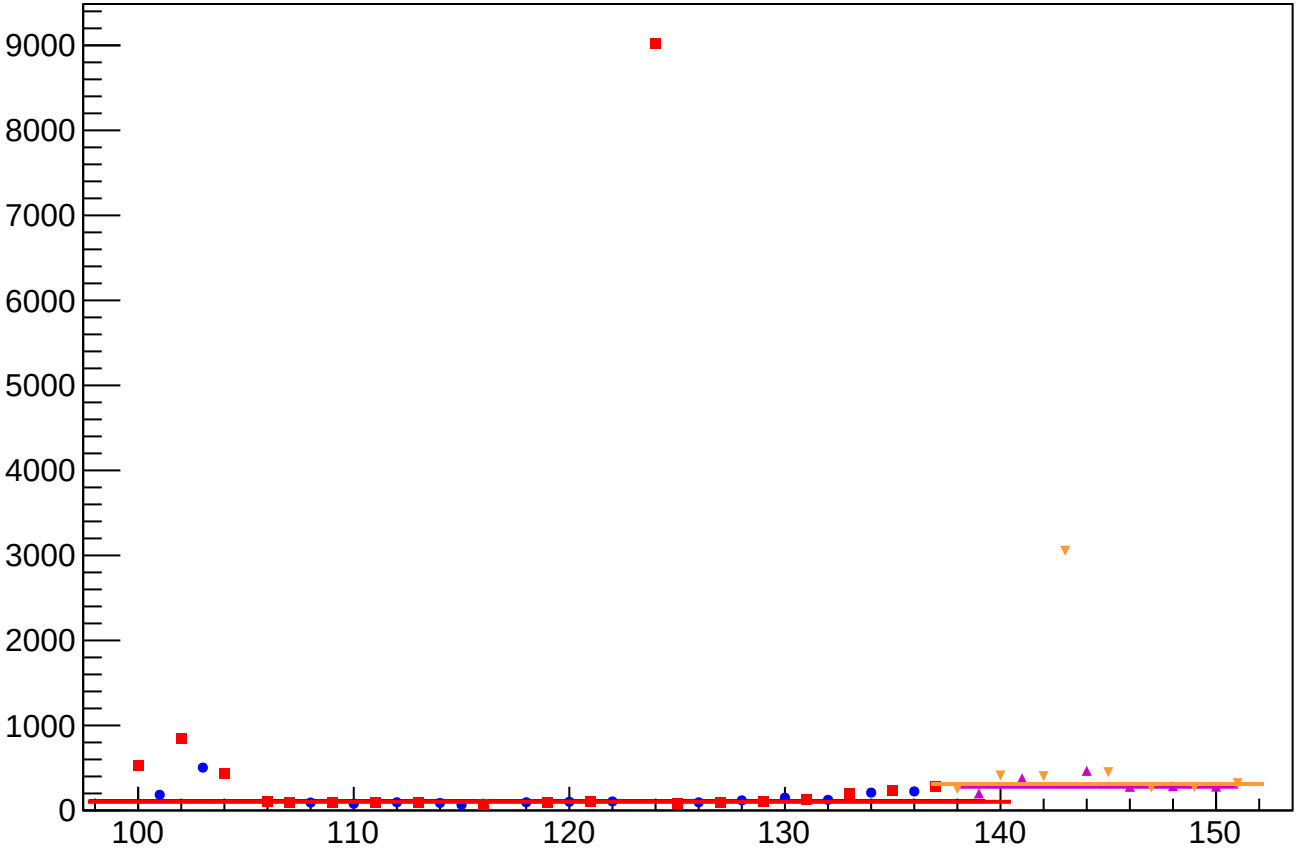
Left In: -0.191+/-0.128 χ^2/NDF:8.9/5

+ sign 0.008+/-0.043 χ^2/NDF: 22.3/23

All: -0.008+/-0.030 χ^2/NDF: 55.8/48

- sign -0.023+/-0.041 χ^2/NDF: 33.2/24

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 310.948+/-0.096 χ^2/NDF:1760765.5/7

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

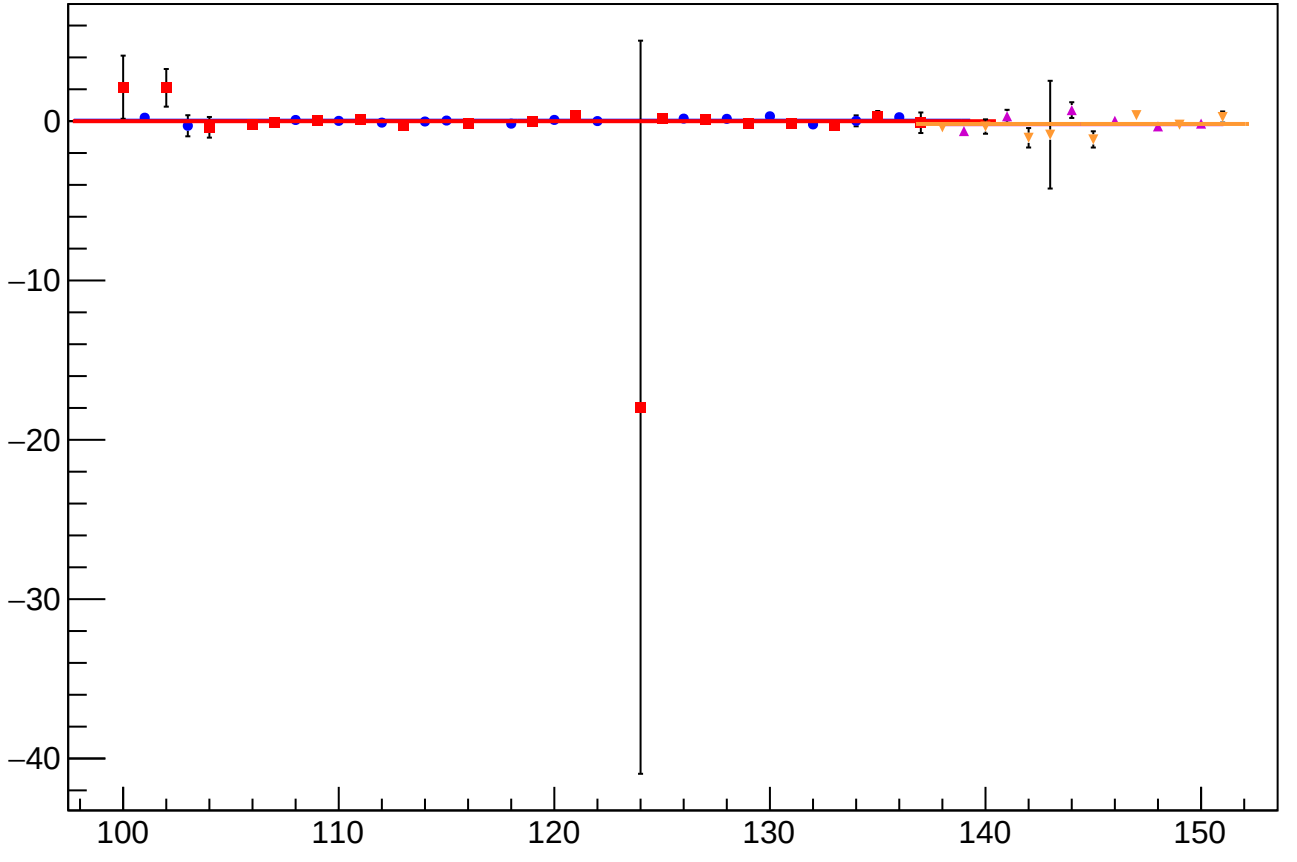
Left In: 279.363+/-0.090 χ^2/NDF:640985.9/5

+ sign 130.015+/-0.030 χ^2/NDF: 7613576.0/23

All: 124.874+/-0.021 χ^2/NDF: 14358259.0/48

- sign 120.180+/-0.029 χ^2/NDF: 6689957.9/24

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.177+/-0.136 χ^2/NDF:11.4/7

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

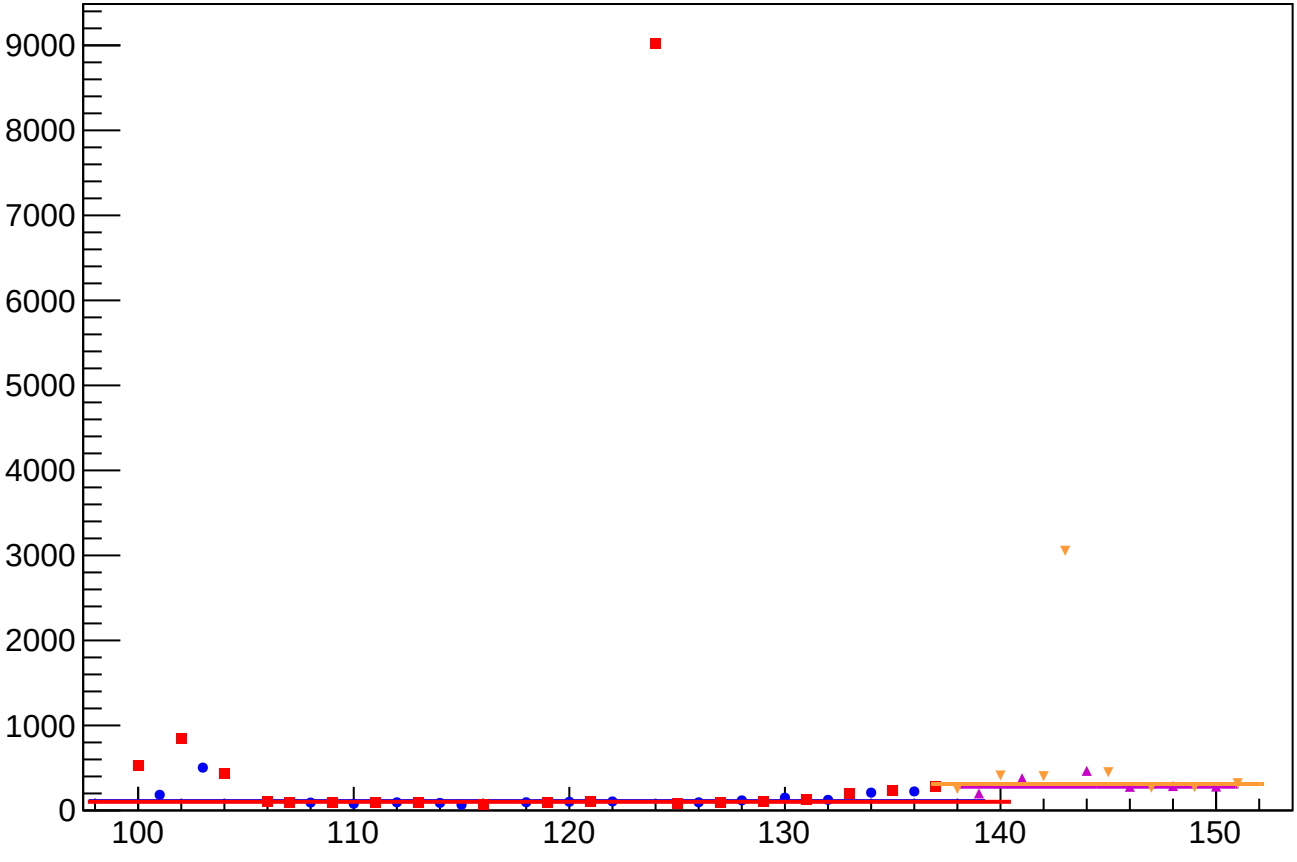
Left In: -0.191+/-0.128 χ^2/NDF:8.9/5

+ sign 0.008+/-0.043 χ^2/NDF: 22.3/23

All: -0.008+/-0.030 χ^2/NDF: 55.8/48

- sign -0.023+/-0.041 χ^2/NDF: 33.2/24

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: 310.948+/-0.096 χ^2/NDF:1760765.5/7

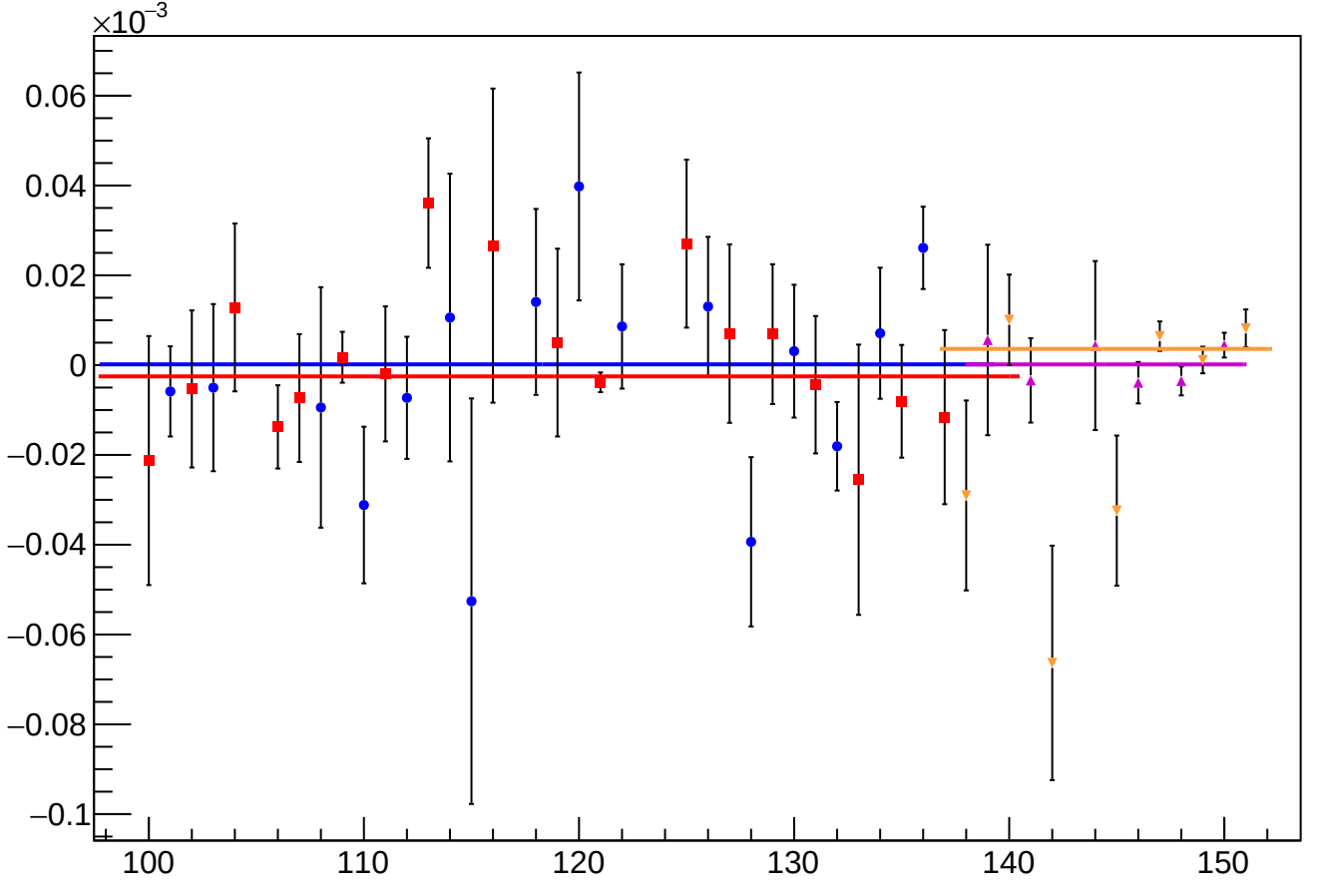
Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 279.363+/-0.090 χ^2/NDF:640985.9/5

+ sign 130.015+/-0.030 χ^2/NDF: 7613576.0/23

All: 124.874+/-0.021 χ^2/NDF: 14358259.0/48

- sign 120.180+/-0.029 χ^2/NDF: 6689957.9/24



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.2/6

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/17

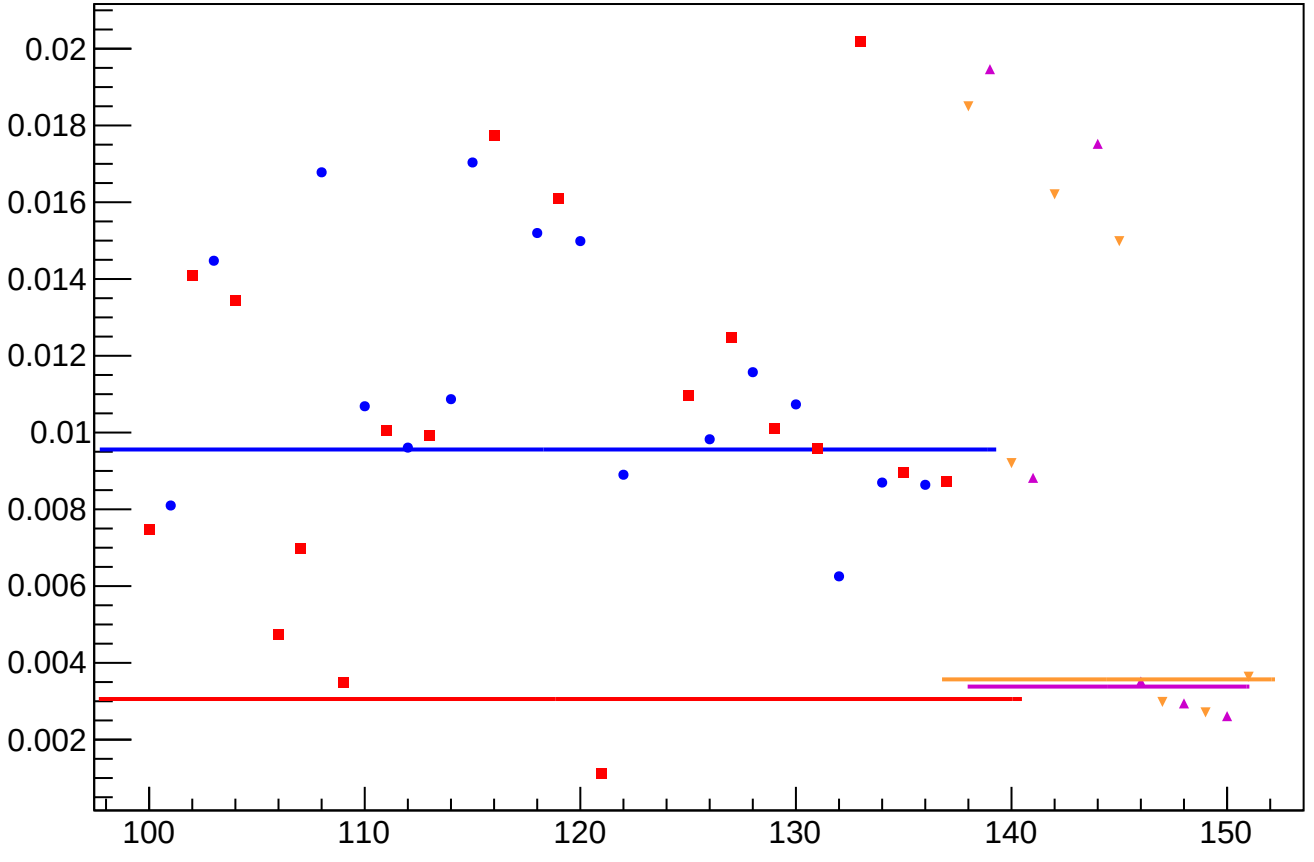
Left In: 0.000+/-0.000 χ^2/NDF:4.8/5

+ sign 0.000+/-0.000 χ^2/NDF: 43.5/22

All: 0.000+/-0.000 χ^2/NDF: 68.8/46

- sign -0.000+/-0.000 χ^2/NDF: 21.6/23

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 926018.8/15

Left Out: 0.004+/-0.000 χ^2/NDF:3257913.9/6

Right Out: 0.003+/-0.000 χ^2/NDF: 8122378.4/17

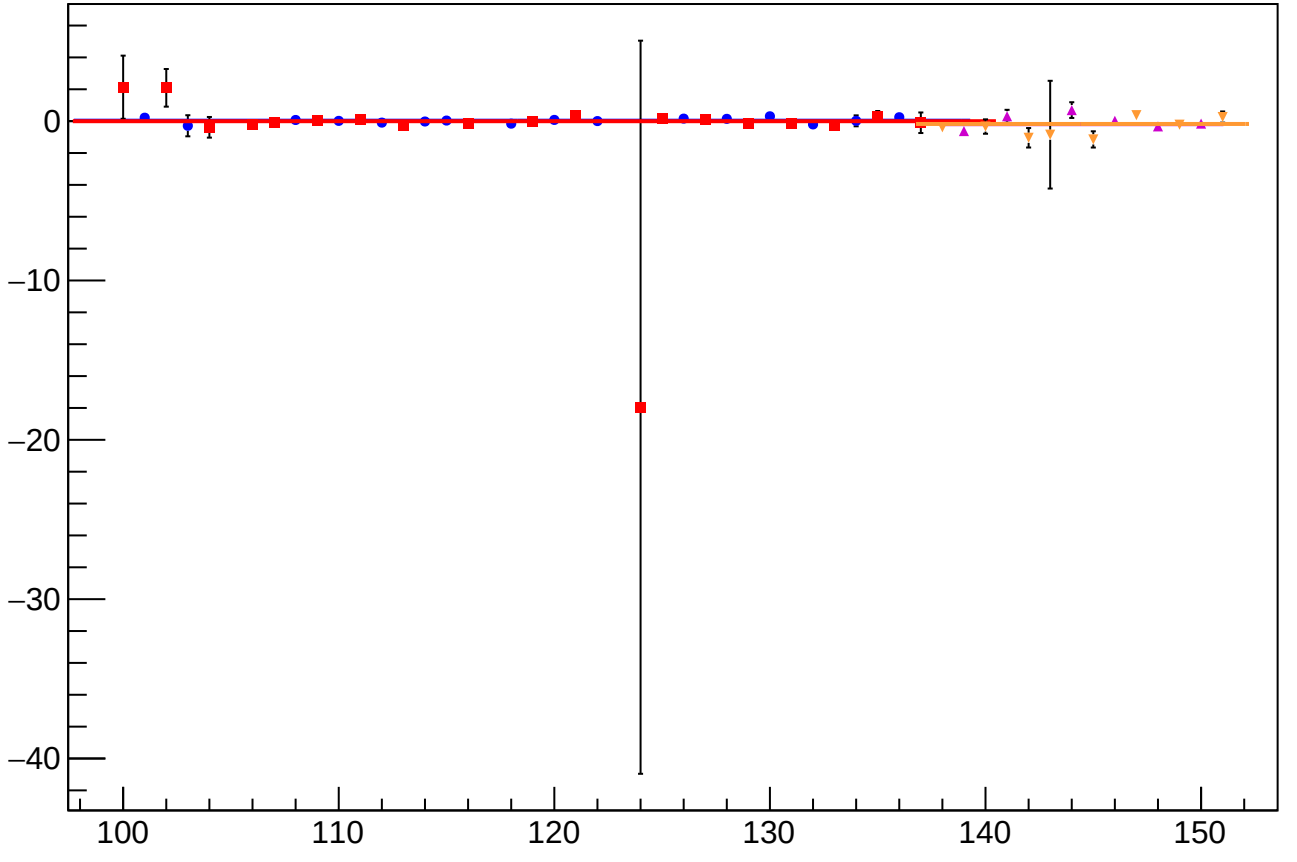
Left In: 0.003+/-0.000 χ^2/NDF:3141111.8/5

+ sign 0.005+/-0.000 χ^2/NDF: 8286853.9/22

All: 0.004+/-0.000 χ^2/NDF: 20674077.5/46

- sign 0.003+/-0.000 χ^2/NDF: 11294404.9/23

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.177+/-0.136 χ^2/NDF:11.4/7

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

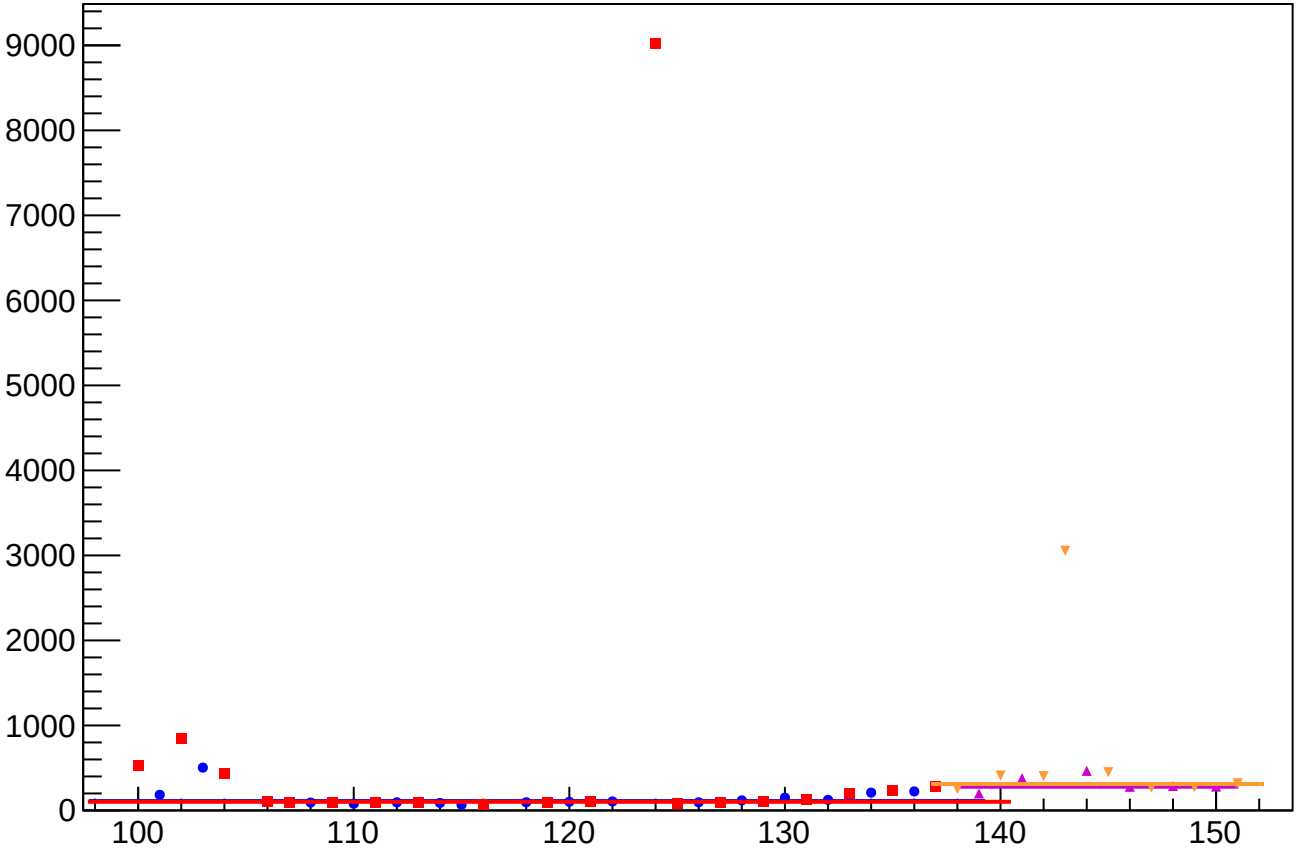
Left In: -0.191+/-0.128 χ^2/NDF:8.9/5

+ sign 0.008+/-0.043 χ^2/NDF: 22.3/23

All: -0.008+/-0.030 χ^2/NDF: 55.8/48

- sign -0.023+/-0.041 χ^2/NDF: 33.2/24

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: 310.950+/-0.096 χ^2/NDF:1760791.7/7

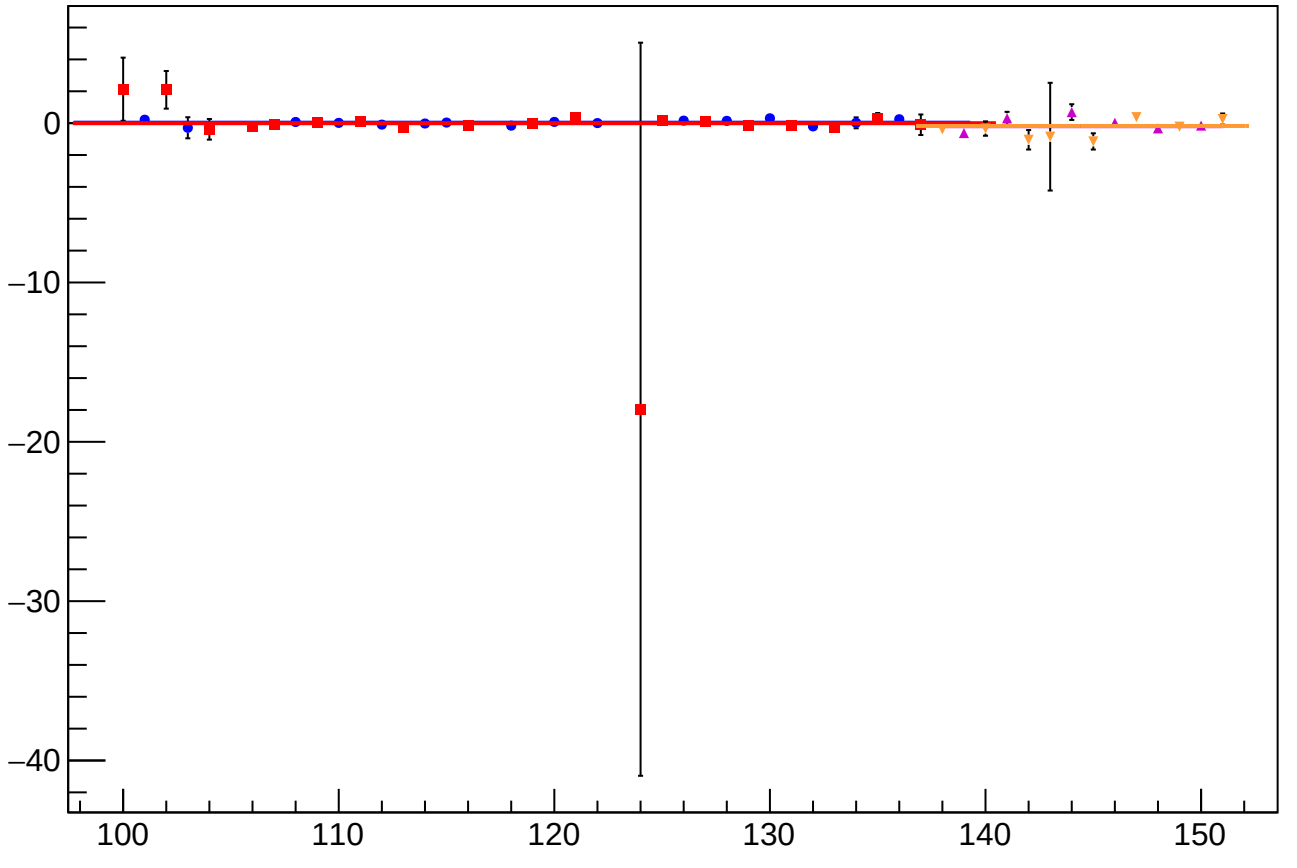
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 279.366+/-0.090 χ^2/NDF:640958.4/5

+ sign 130.016+/-0.030 χ^2/NDF: 7613517.5/23

All: 124.875+/-0.021 χ^2/NDF: 14358102.1/48

- sign 120.182+/-0.029 χ^2/NDF: 6689865.5/24



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.177+/-0.136 χ^2/NDF:11.4/7

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

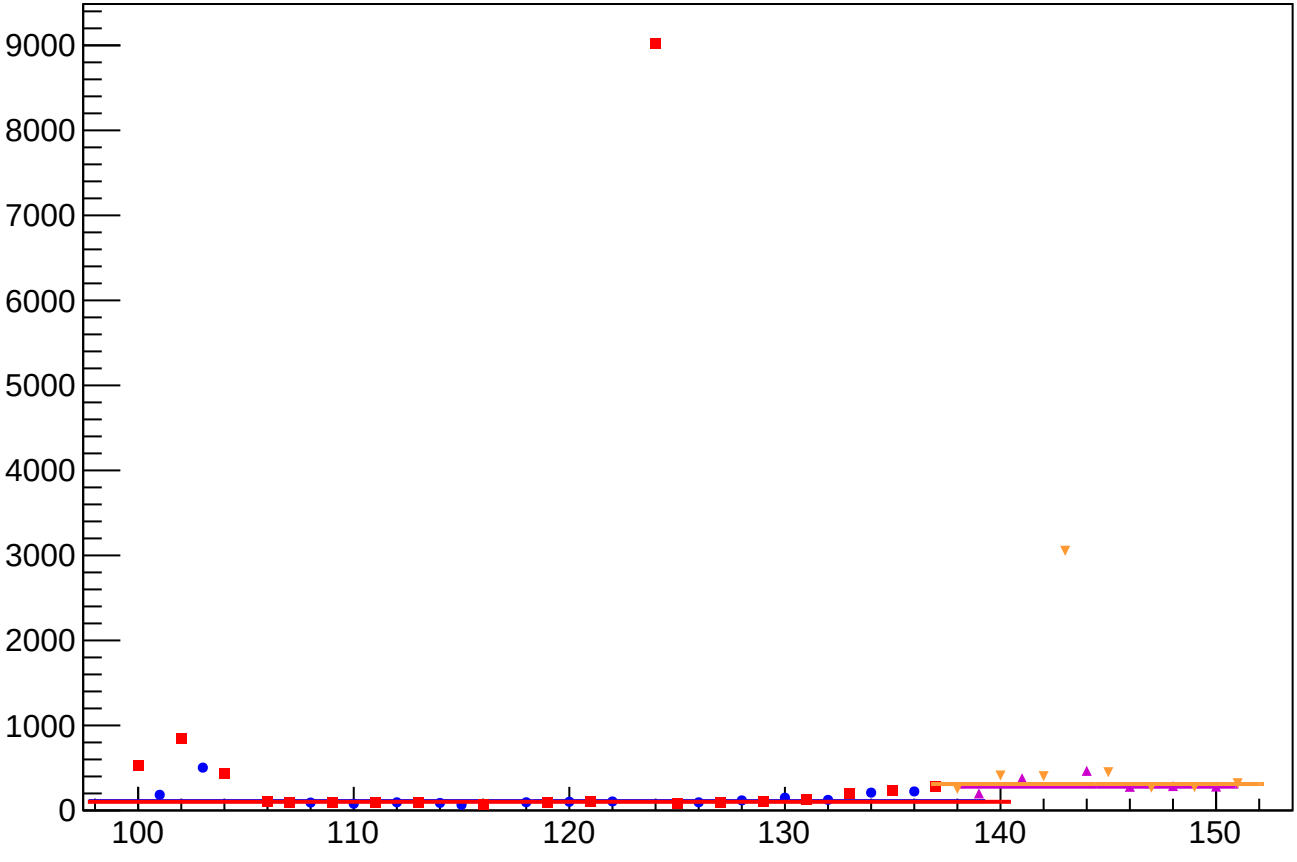
Left In: -0.191+/-0.128 χ^2/NDF:8.9/5

+ sign 0.008+/-0.043 χ^2/NDF: 22.3/23

All: -0.008+/-0.030 χ^2/NDF: 55.8/48

- sign -0.023+/-0.041 χ^2/NDF: 33.2/24

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: 310.950+/-0.096 χ^2/NDF:1760791.7/7

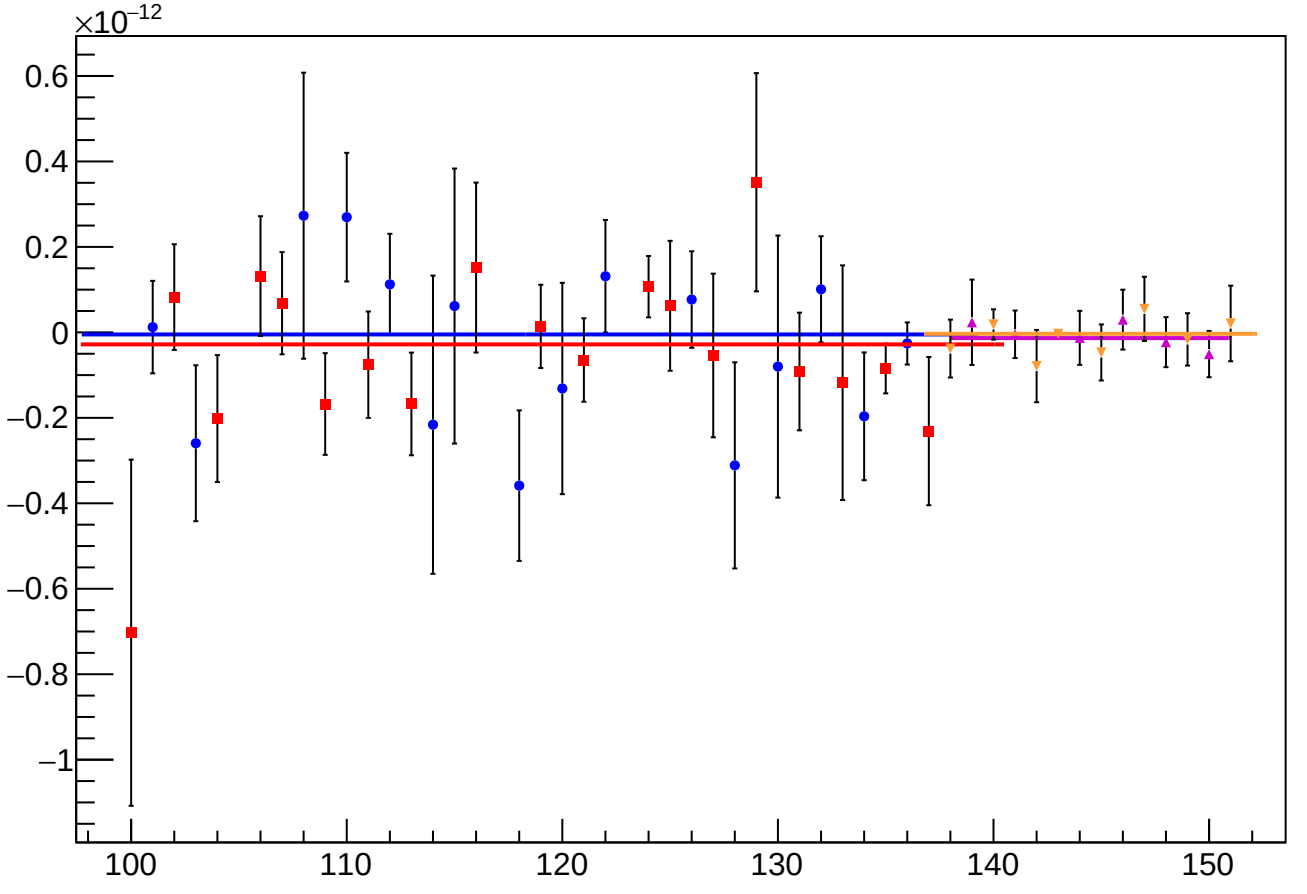
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 279.366+/-0.090 χ^2/NDF:640958.4/5

+ sign 130.016+/-0.030 χ^2/NDF: 7613517.5/23

All: 124.875+/-0.021 χ^2/NDF: 14358102.1/48

- sign 120.182+/-0.029 χ^2/NDF: 6689865.5/24



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.6/7

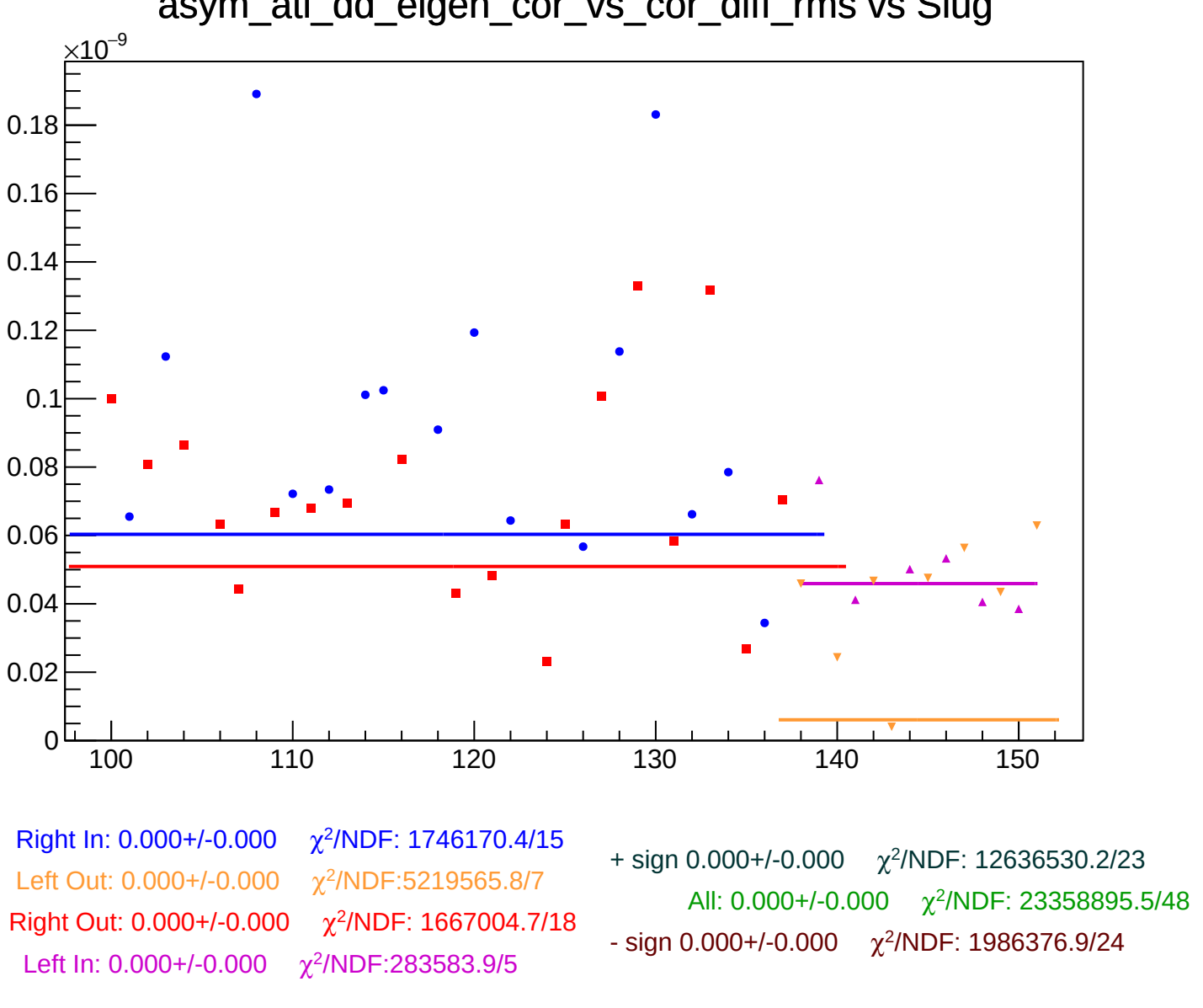
Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/18

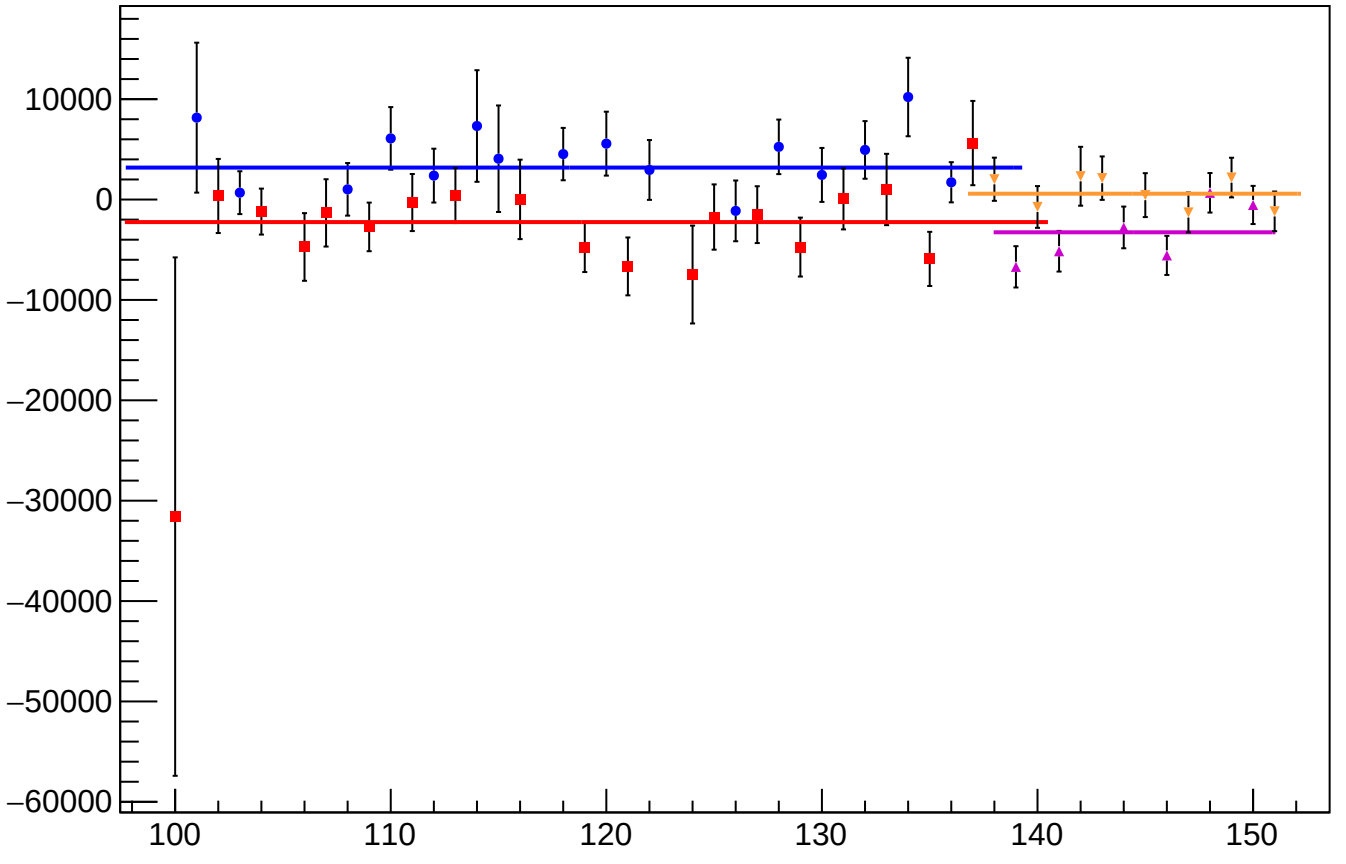
Left In: -0.000+/-0.000 χ^2/NDF:1.0/5

+ sign -0.000+/-0.000 χ^2/NDF: 20.1/23

All: -0.000+/-0.000 χ^2/NDF: 41.7/48

- sign -0.000+/-0.000 χ^2/NDF: 20.8/24


asym_atl_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
Right In: 0.000+/-0.000 χ²/NDF: 1746170.4/15
Left Out: 0.000+/-0.000 χ²/NDF:5219565.8/7
Right Out: 0.000+/-0.000 χ²/NDF: 1667004.7/18
Left In: 0.000+/-0.000 χ²/NDF:283583.9/5
+ sign 0.000+/-0.000 χ²/NDF: 12636530.2/23
All: 0.000+/-0.000 χ²/NDF: 23358895.5/48
- sign 0.000+/-0.000 χ²/NDF: 1986376.9/24



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 580.325+/-755.511 χ^2/NDF:4.1/7

Right Out: -2246.057+/-710.912 χ^2/NDF: 16.5/18

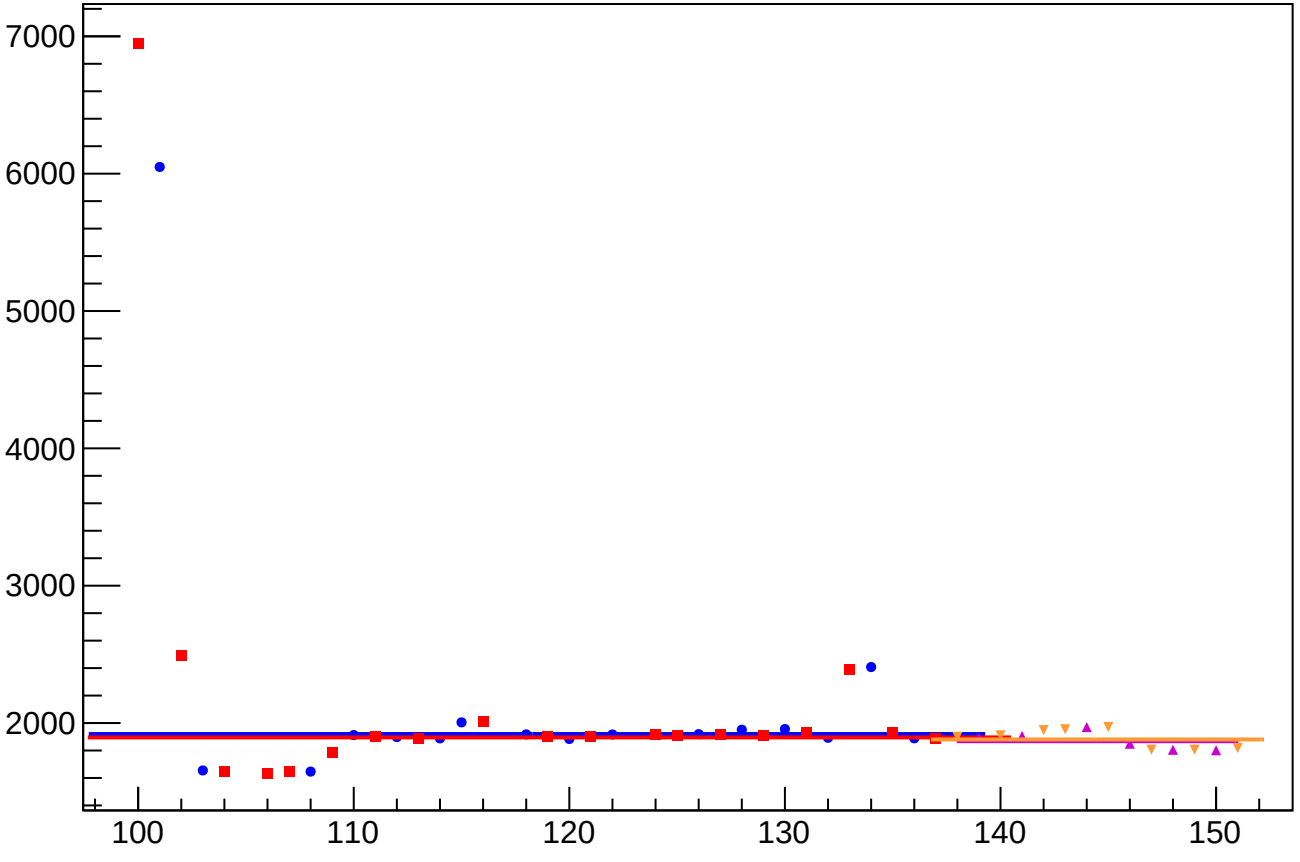
Left In: -3262.274+/-813.845 χ^2/NDF:11.2/5

+ sign 1924.693+/-525.396 χ^2/NDF: 21.9/23

All: -337.080+/-375.001 χ^2/NDF: 88.2/48

- sign -2685.873+/-535.408 χ^2/NDF: 28.6/24

reg_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1880.329+/-0.534 χ^2/NDF:15020.3/7

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

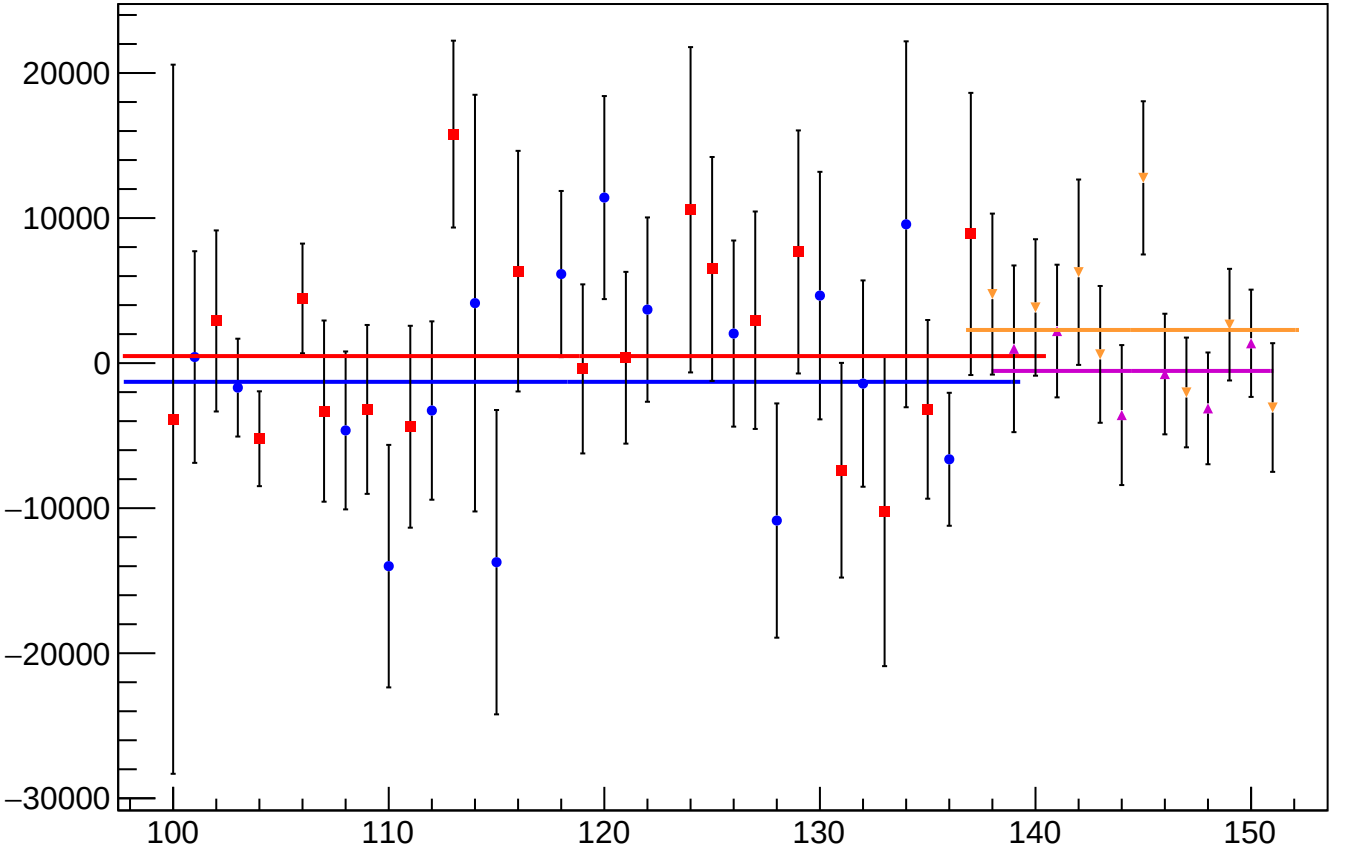
Left In: 1867.815+/-0.575 χ^2/NDF:10492.9/5

+ sign 1900.725+/-0.372 χ^2/NDF: 715174.7/23

All: 1892.251+/-0.265 χ^2/NDF: 950303.4/48

- sign 1883.486+/-0.378 χ^2/NDF: 234070.3/24

asym_atr_avg_reg_correction_mean vs Slug



Right In: -1290.495+/-1585.432 χ^2/NDF: 14.3/15

Left Out: 2285.536+/-1641.268 χ^2/NDF:7.5/7

Right Out: 485.214+/-1437.465 χ^2/NDF: 17.2/18

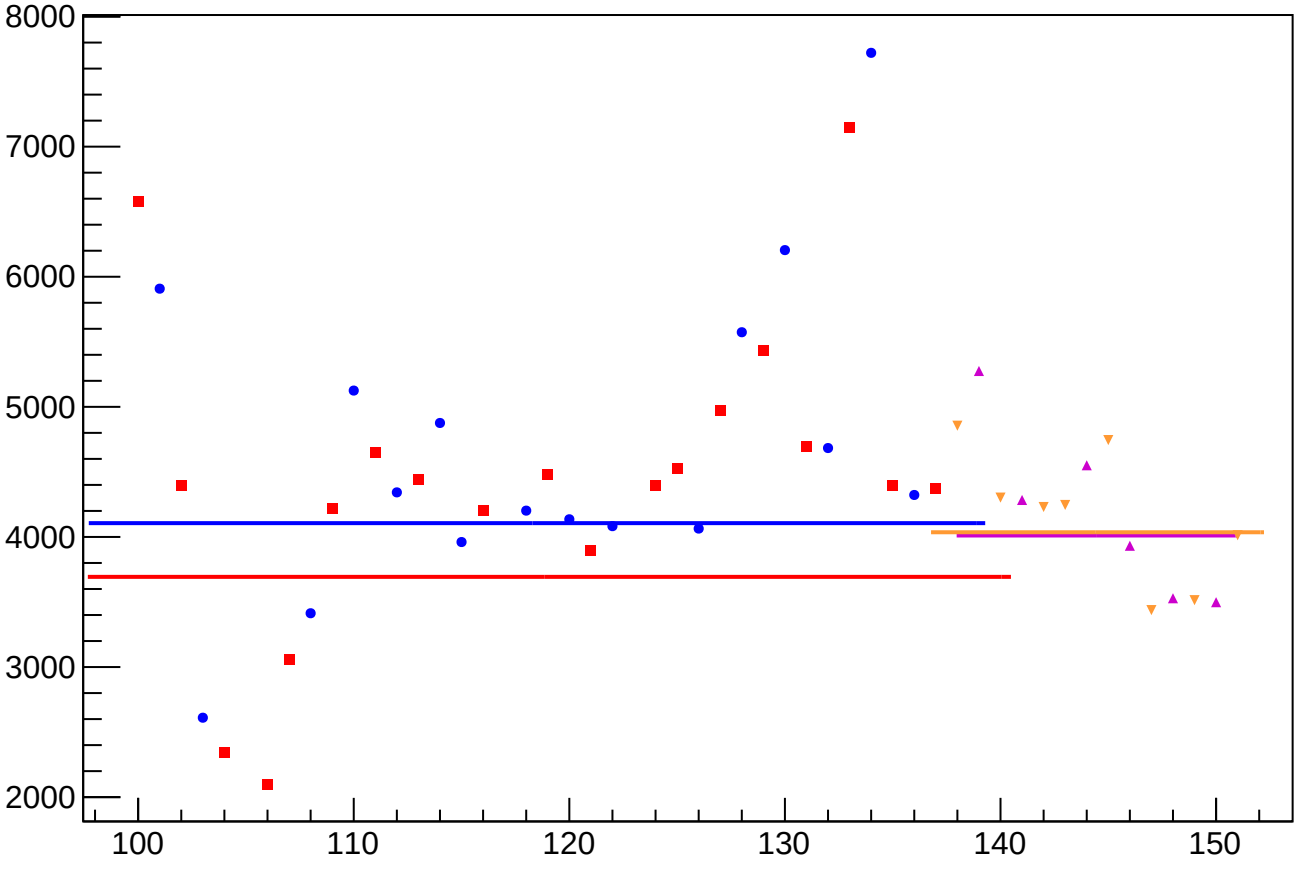
Left In: -538.214+/-1769.363 χ^2/NDF:1.5/5

+ sign 435.658+/-1140.299 χ^2/NDF: 24.2/23

All: 253.080+/-797.467 χ^2/NDF: 43.3/48

- sign 78.300+/-1115.681 χ^2/NDF: 19.0/24

asym_atr_avg_reg_correction_rms vs Slug



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4036.037+/-1.161 χ^2/NDF:178666.4/7

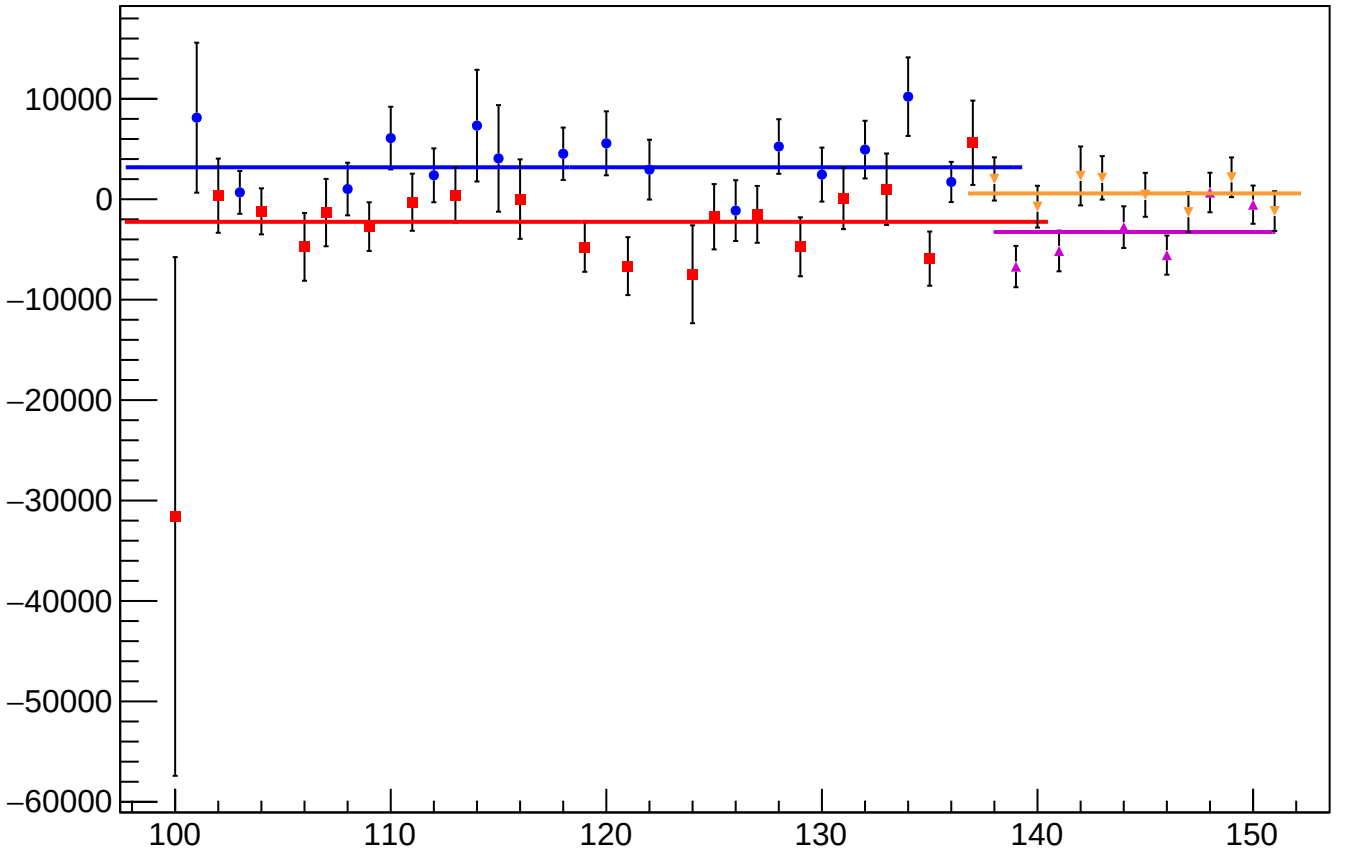
Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4011.178+/-1.251 χ^2/NDF:199534.5/5

+ sign 4072.302+/-0.806 χ^2/NDF: 1136684.4/23

All: 3943.228+/-0.564 χ^2/NDF: 2781913.1/48

- sign 3819.668+/-0.789 χ^2/NDF: 1595072.9/24



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 580.281+/-755.511 χ^2/NDF:4.1/7

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

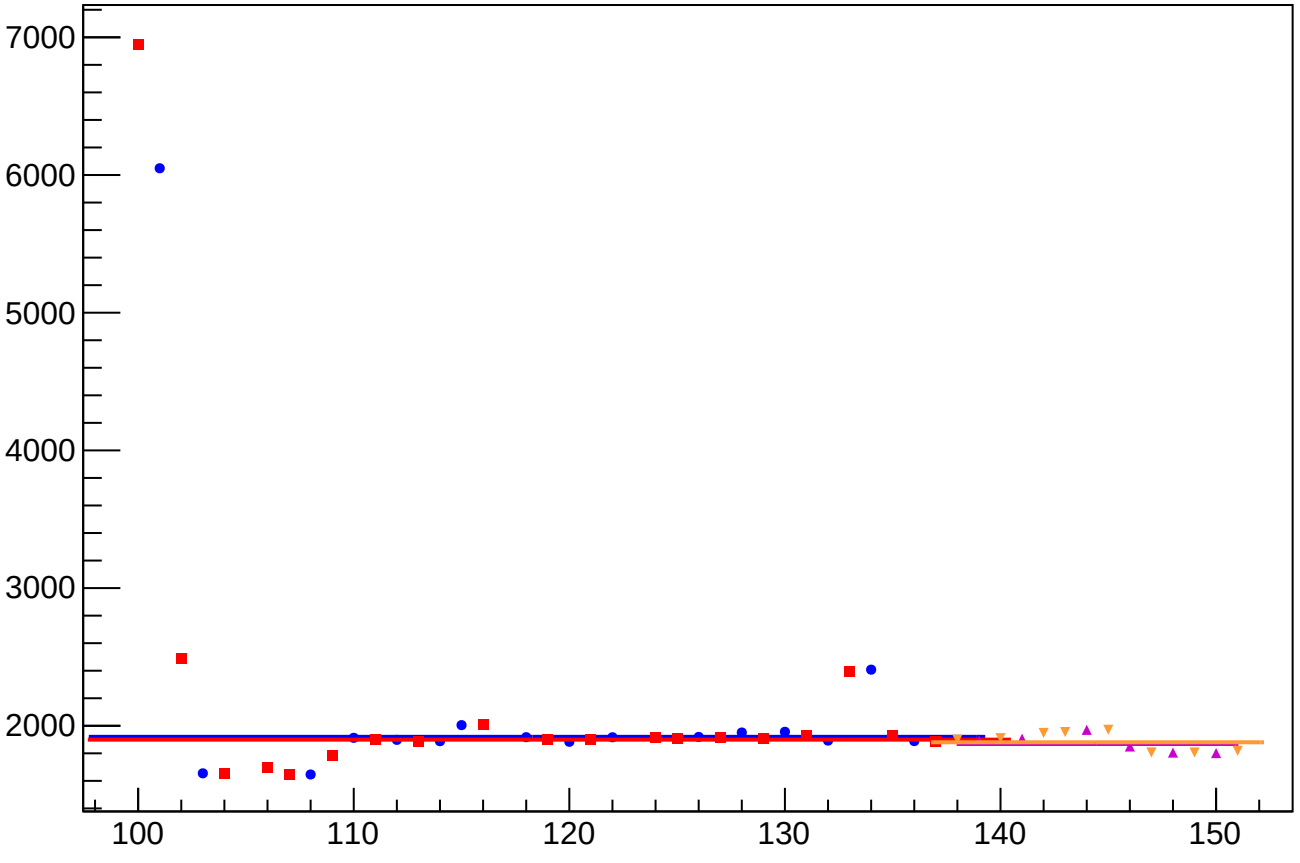
Left In: -3262.524+/-813.845 χ^2/NDF:11.2/5

+ sign 1924.294+/-525.396 χ^2/NDF: 21.9/23

All: -337.647+/-375.001 χ^2/NDF: 88.2/48

- sign -2686.629+/-535.409 χ^2/NDF: 28.6/24

cor_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1880.329+/-0.534 χ^2/NDF:15020.3/7

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

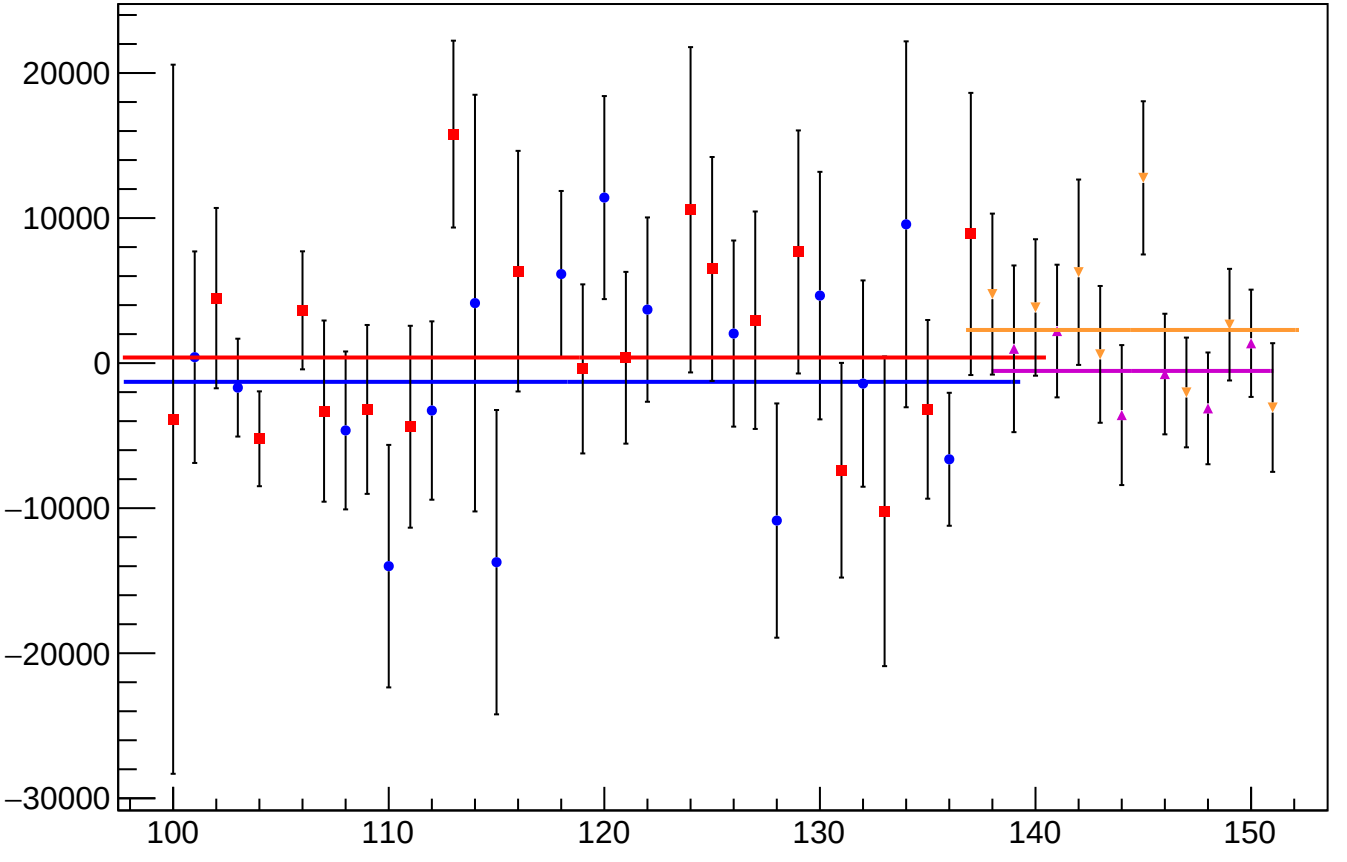
Left In: 1867.815+/-0.575 χ^2/NDF:10492.9/5

+ sign 1900.726+/-0.372 χ^2/NDF: 715173.8/23

All: 1893.365+/-0.265 χ^2/NDF: 943827.5/48

- sign 1885.734+/-0.378 χ^2/NDF: 227854.1/24

asym_atr_avg_cor_correction_mean vs Slug



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 2285.490+/-1641.261 χ^2/NDF:7.5/7

Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

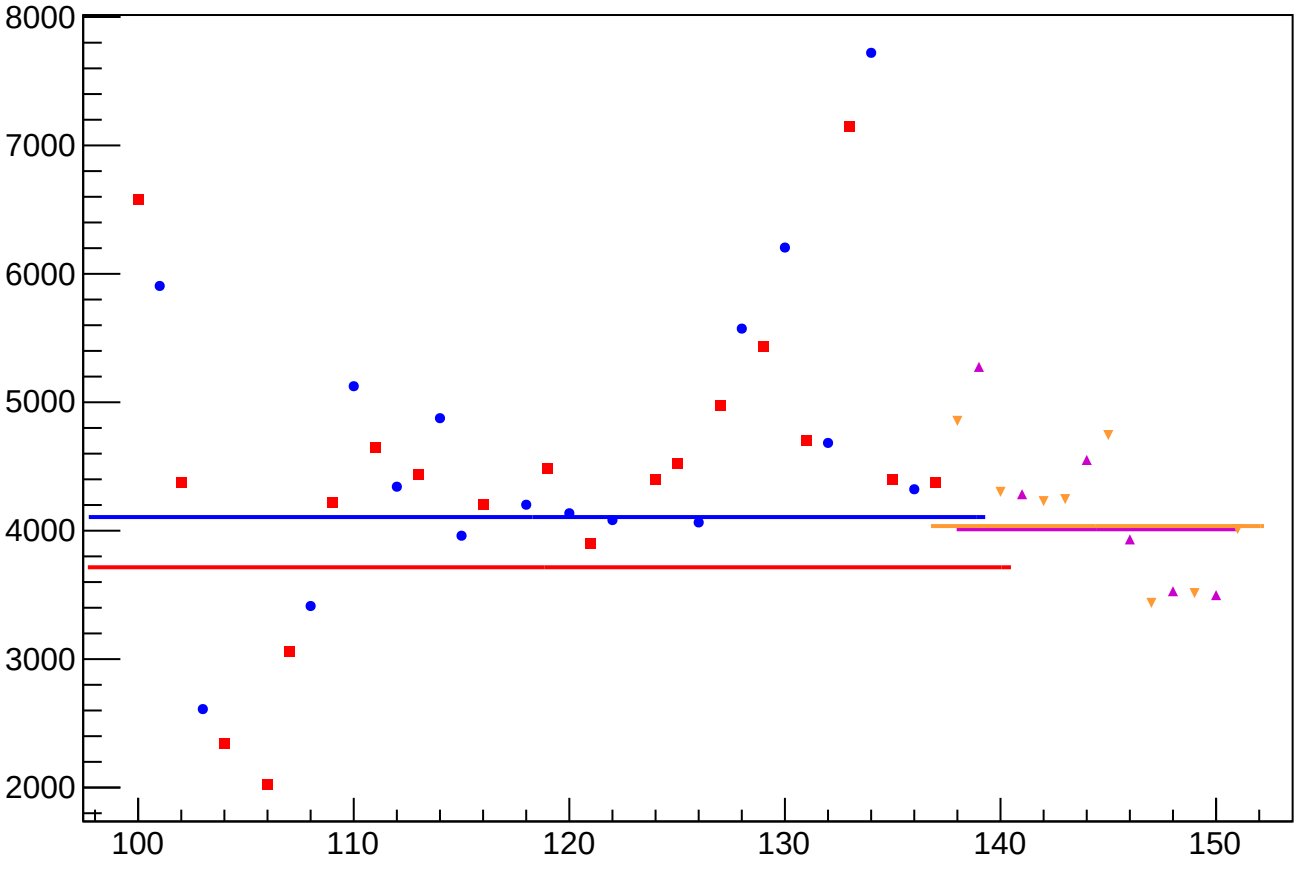
Left In: -538.260+/-1769.366 χ^2/NDF:1.5/5

+ sign 435.457+/-1140.297 χ^2/NDF: 24.2/23

All: 221.954+/-799.844 χ^2/NDF: 43.0/48

- sign 15.168+/-1122.219 χ^2/NDF: 18.7/24

asym_atr_avg_cor_correction_rms vs Slug



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4036.019+/-1.161 χ^2/NDF:178667.1/7

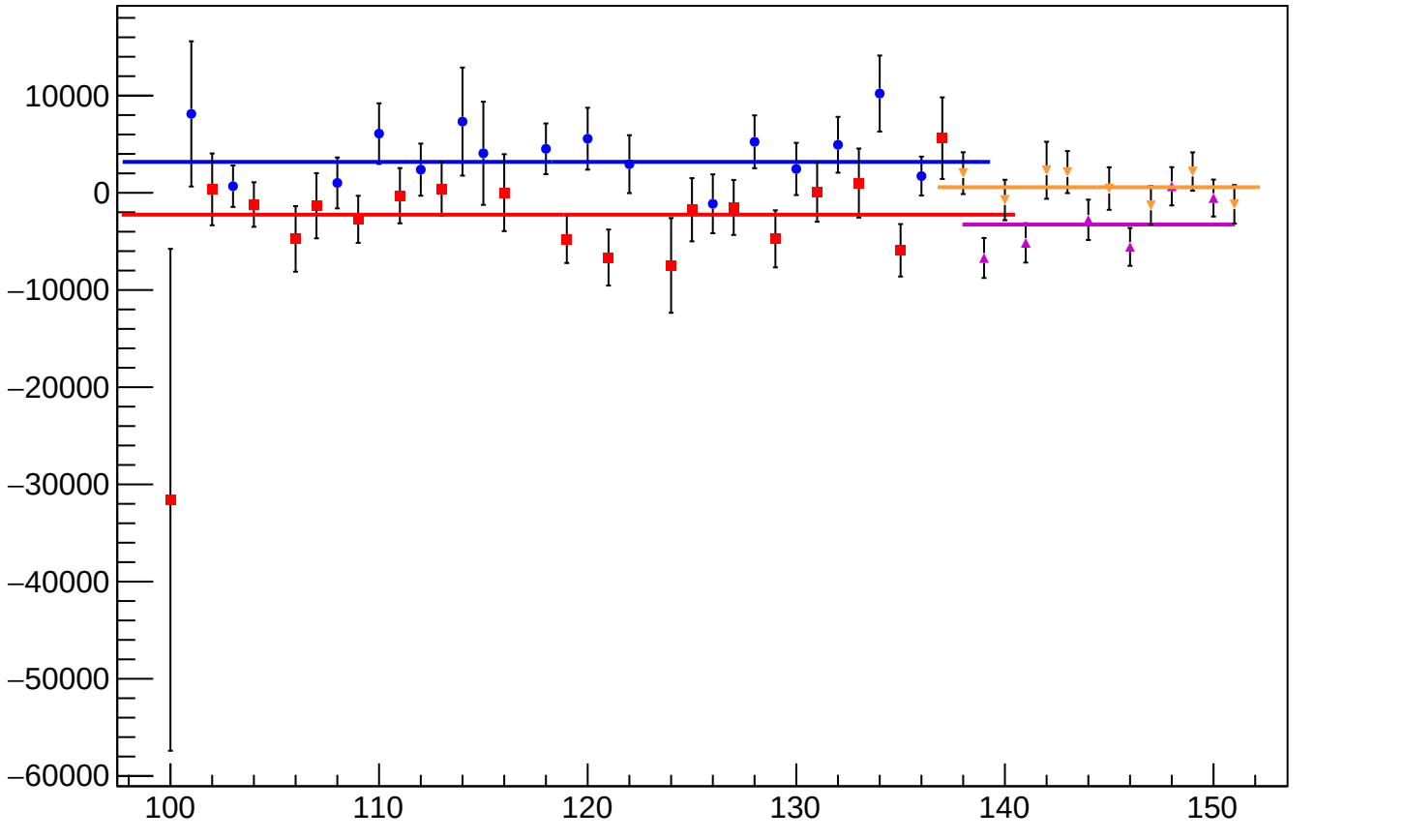
Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4011.185+/-1.251 χ^2/NDF:199533.8/5

+ sign 4072.341+/-0.806 χ^2/NDF: 1136191.8/23

All: 3951.402+/-0.566 χ^2/NDF: 2748565.2/48

- sign 3834.268+/-0.794 χ^2/NDF: 1568087.3/24



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 580.281+/-755.511 χ^2/NDF:4.1/7

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

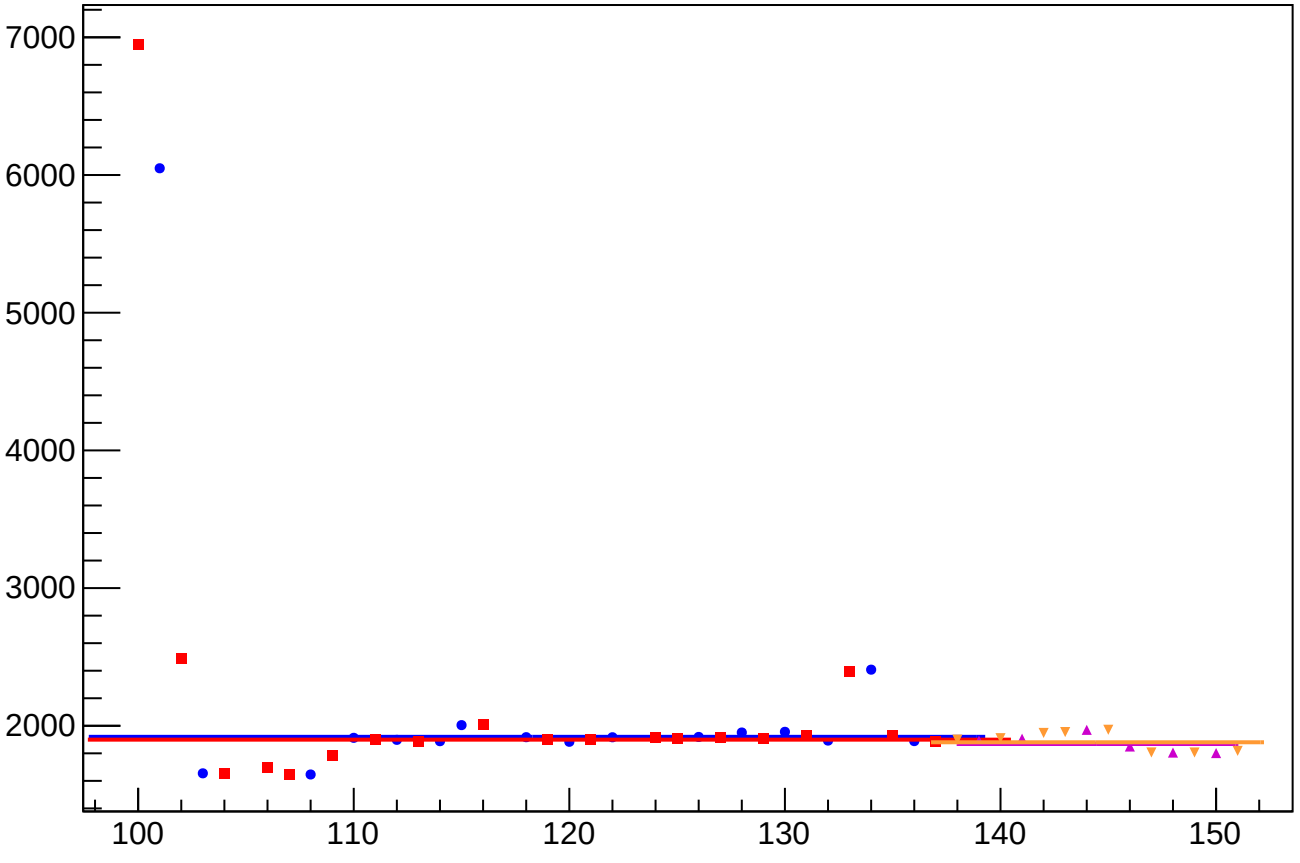
Left In: -3262.524+/-813.845 χ^2/NDF:11.2/5

+ sign 1924.294+/-525.396 χ^2/NDF: 21.9/23

All: -337.647+/-375.001 χ^2/NDF: 88.2/48

- sign -2686.629+/-535.409 χ^2/NDF: 28.6/24

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1880.329+/-0.534 χ^2/NDF:15020.3/7

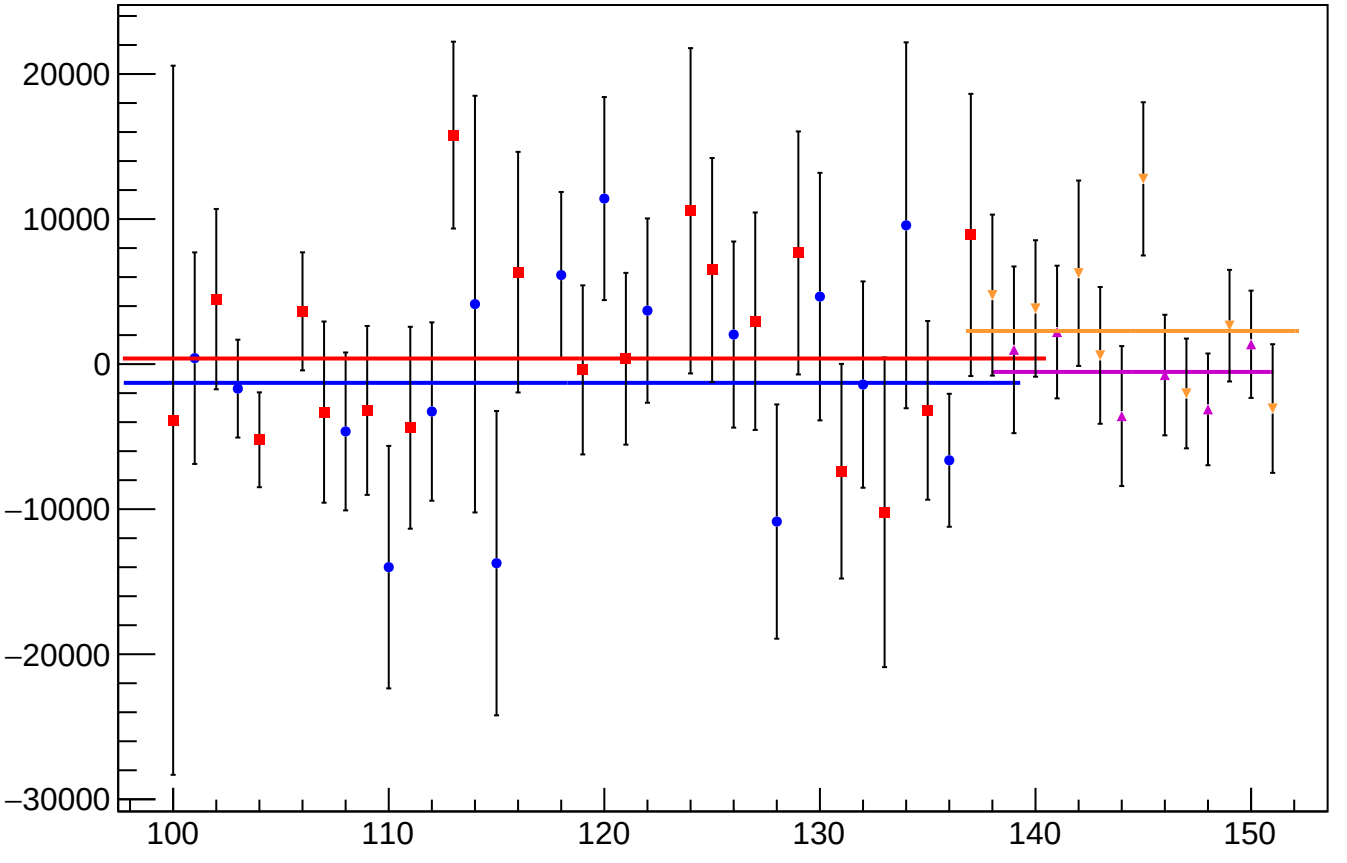
Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1867.815+/-0.575 χ^2/NDF:10492.9/5

\+ sign 1900.726+/-0.372 χ^2/NDF: 715173.8/23

All: 1893.365+/-0.265 χ^2/NDF: 943827.5/48

\- sign 1885.734+/-0.378 χ^2/NDF: 227854.1/24



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 2285.490+/-1641.261 χ^2/NDF:7.5/7

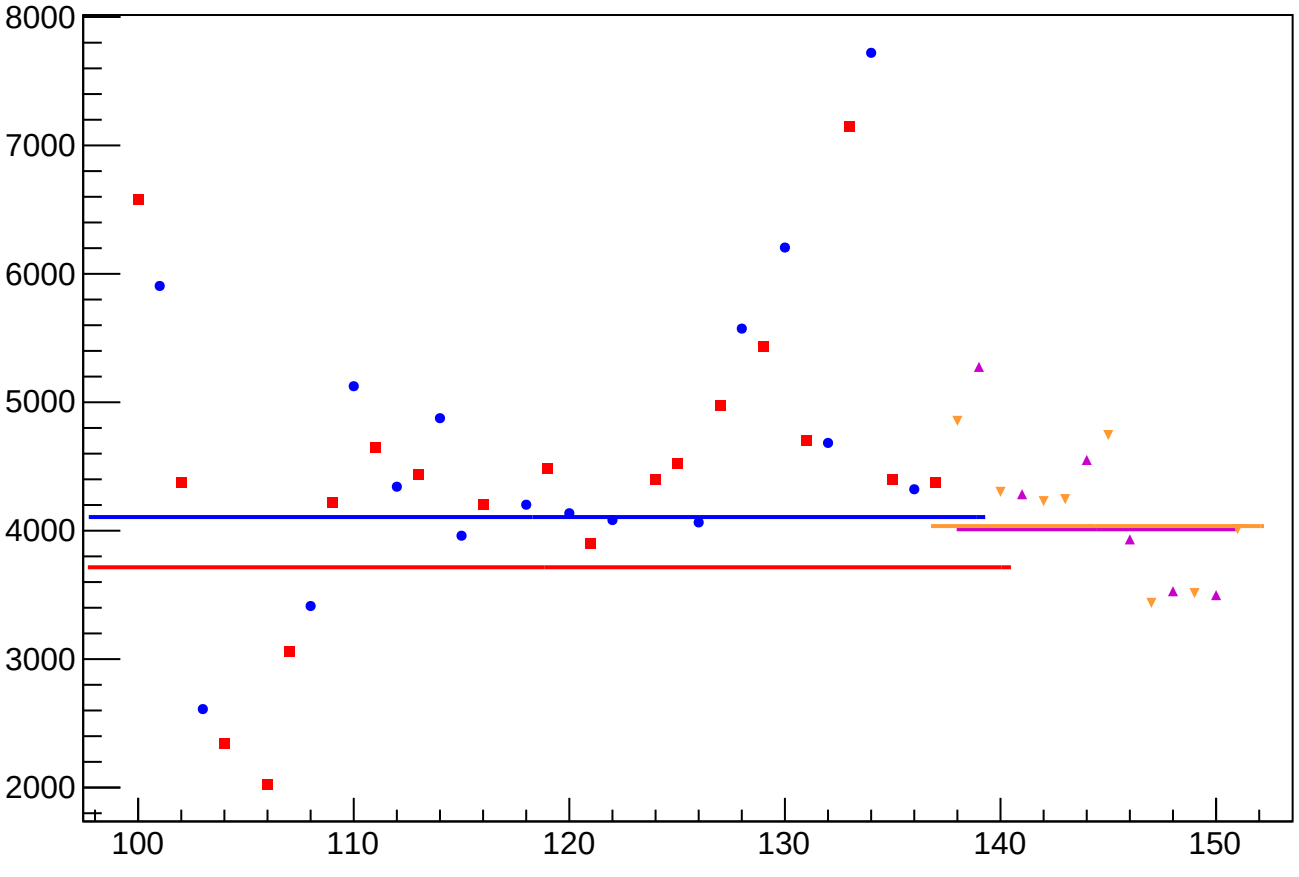
Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: -538.260+/-1769.366 χ^2/NDF:1.5/5

+ sign 435.457+/-1140.297 χ^2/NDF: 24.2/23

All: 221.954+/-799.844 χ^2/NDF: 43.0/48

- sign 15.168+/-1122.219 χ^2/NDF: 18.7/24



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4036.019+/-1.161 χ^2/NDF:178667.1/7

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

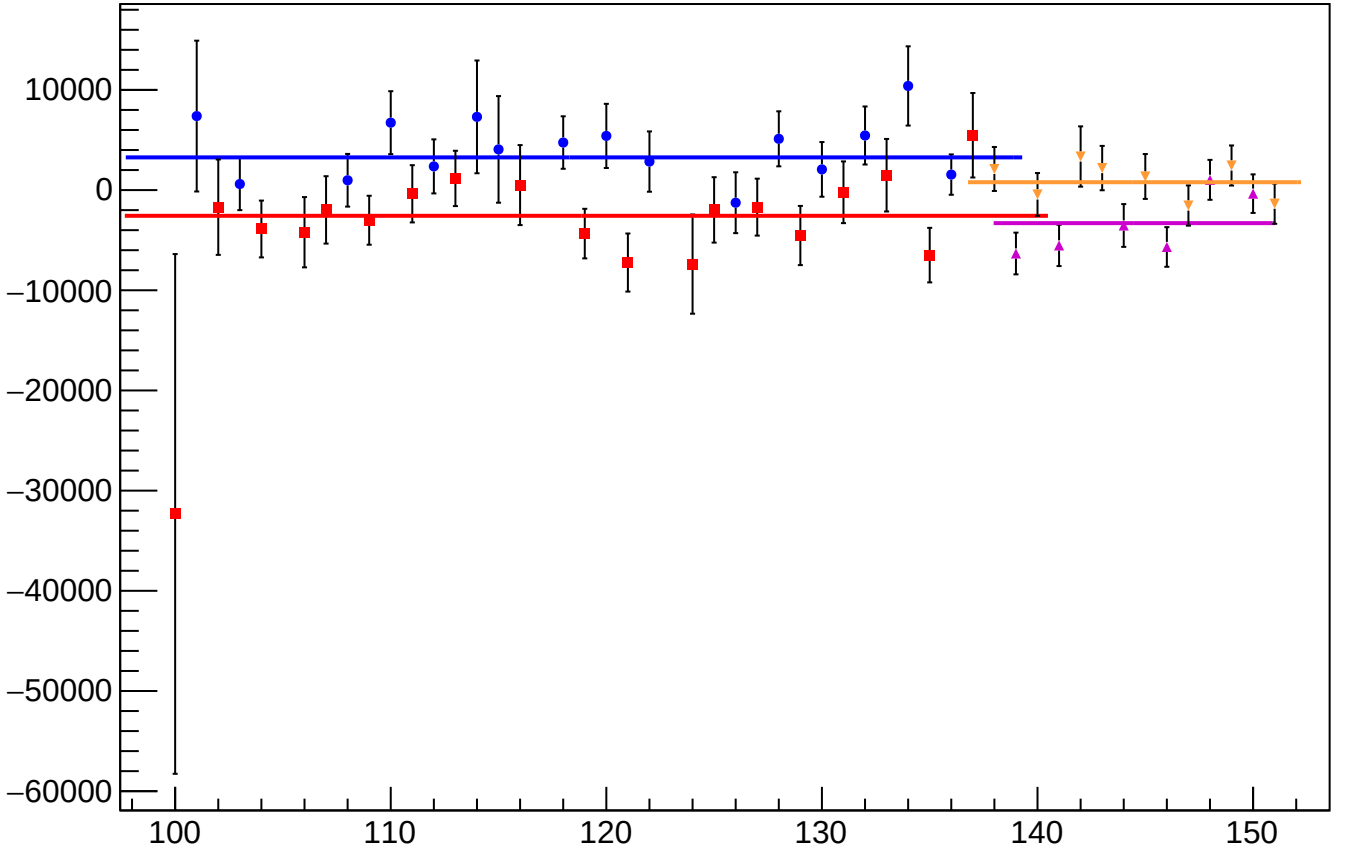
Left In: 4011.185+/-1.251 χ^2/NDF:199533.8/5

+ sign 4072.341+/-0.806 χ^2/NDF: 1136191.8/23

All: 3951.402+/-0.566 χ^2/NDF: 2748565.2/48

- sign 3834.268+/-0.794 χ^2/NDF: 1568087.3/24

dit_asym_atr_avg_mean vs Slug



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 787.259+/-770.031 χ^2/NDF:5.1/7

Right Out: -2566.683+/-734.876 χ^2/NDF: 17.0/18

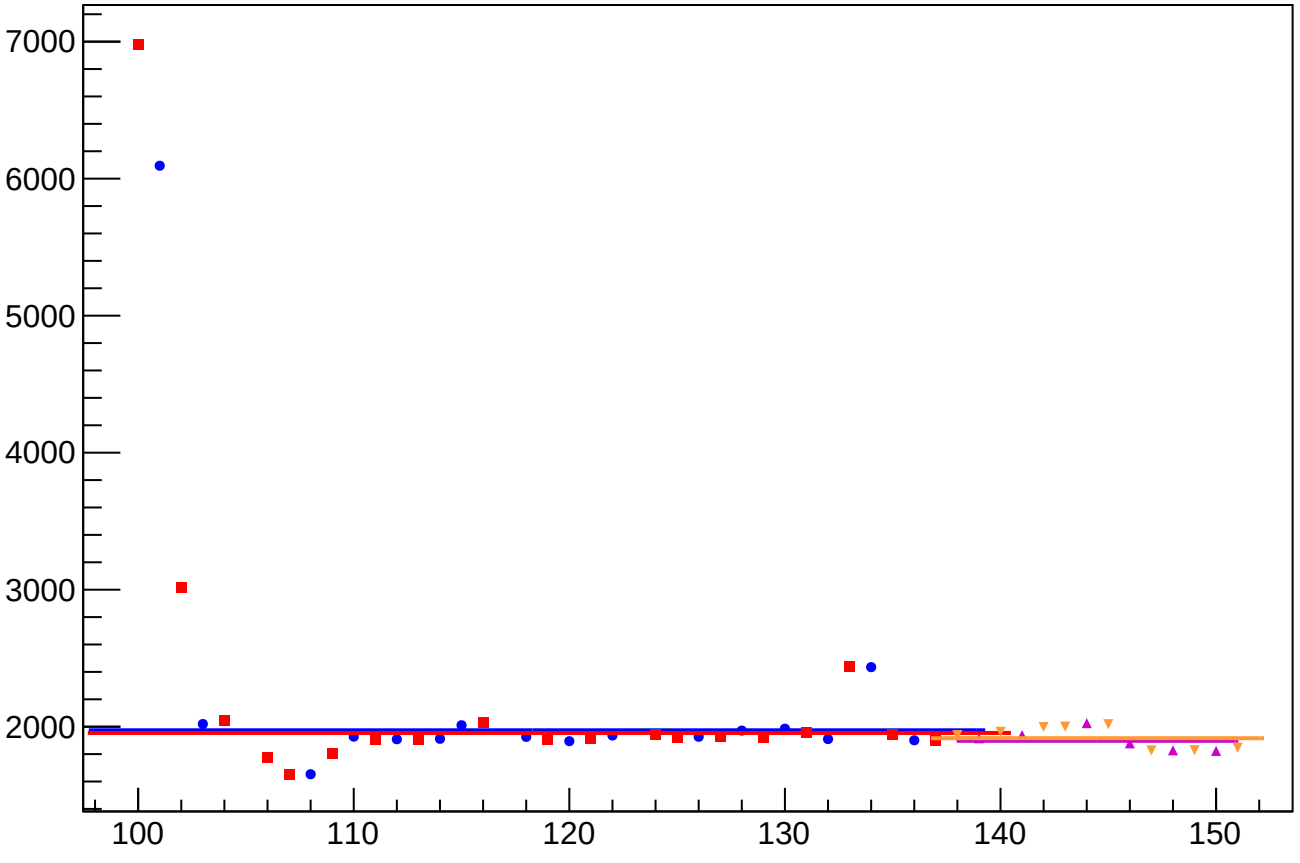
Left In: -3297.854+/-826.884 χ^2/NDF:11.8/5

+ sign 2057.164+/-537.590 χ^2/NDF: 22.5/23

All: -362.817+/-384.206 χ^2/NDF: 93.2/48

- sign -2889.342+/-549.297 χ^2/NDF: 29.2/24

dit_asym_atr_avg_rms vs Slug



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1916.017+/-0.544 χ^2/NDF:19960.4/7

Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

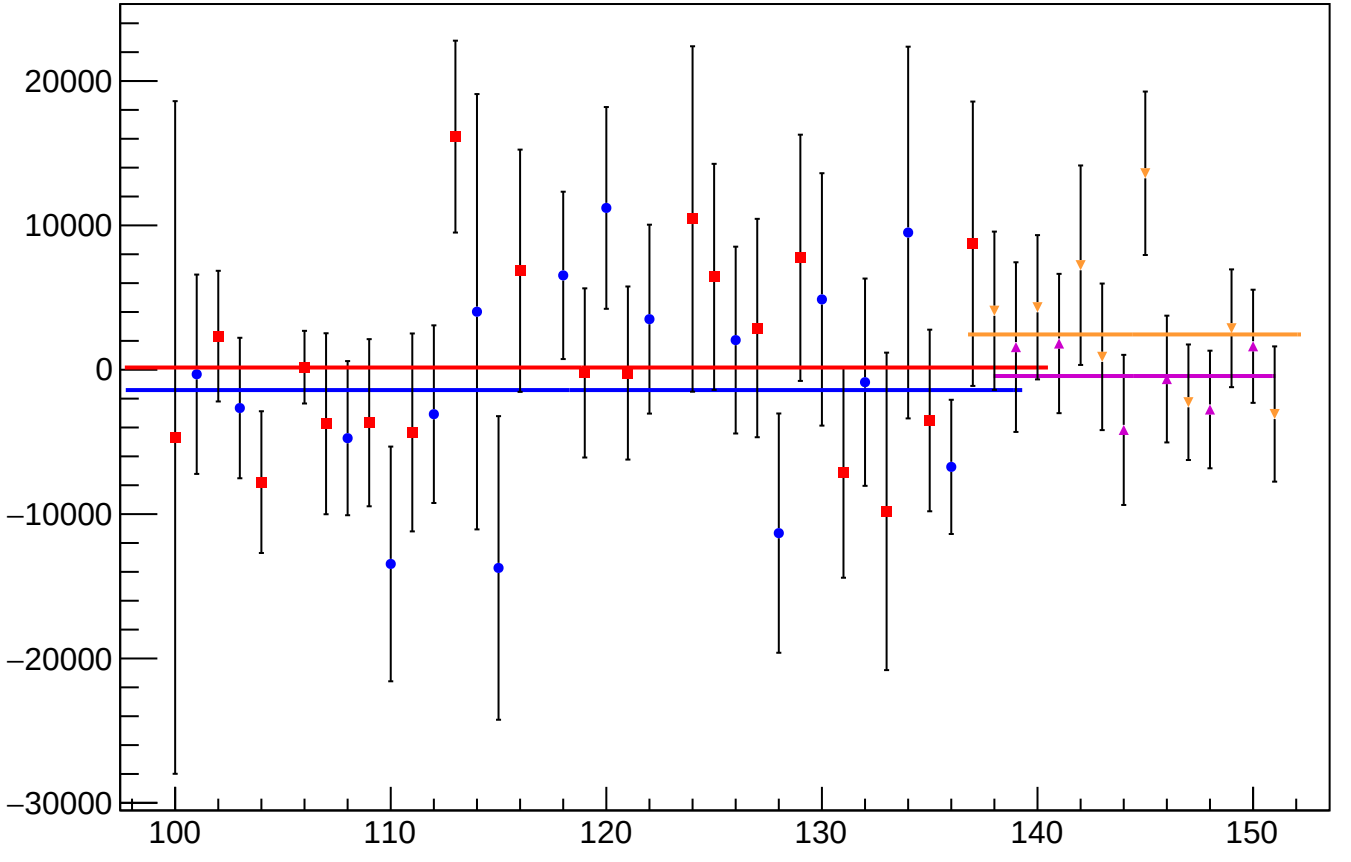
Left In: 1897.380+/-0.585 χ^2/NDF:13806.4/5

+ sign 1945.610+/-0.380 χ^2/NDF: 690847.0/23

All: 1937.592+/-0.272 χ^2/NDF: 957079.9/48

- sign 1929.228+/-0.388 χ^2/NDF: 265323.9/24

asym_atr_avg_dit_correction_mean vs Slug



Right In: -1407.382+/-1689.989 χ^2/NDF: 14.2/15

Left Out: 2445.718+/-1734.553 χ^2/NDF:7.5/7

Right Out: 155.271+/-1363.642 χ^2/NDF: 15.8/18

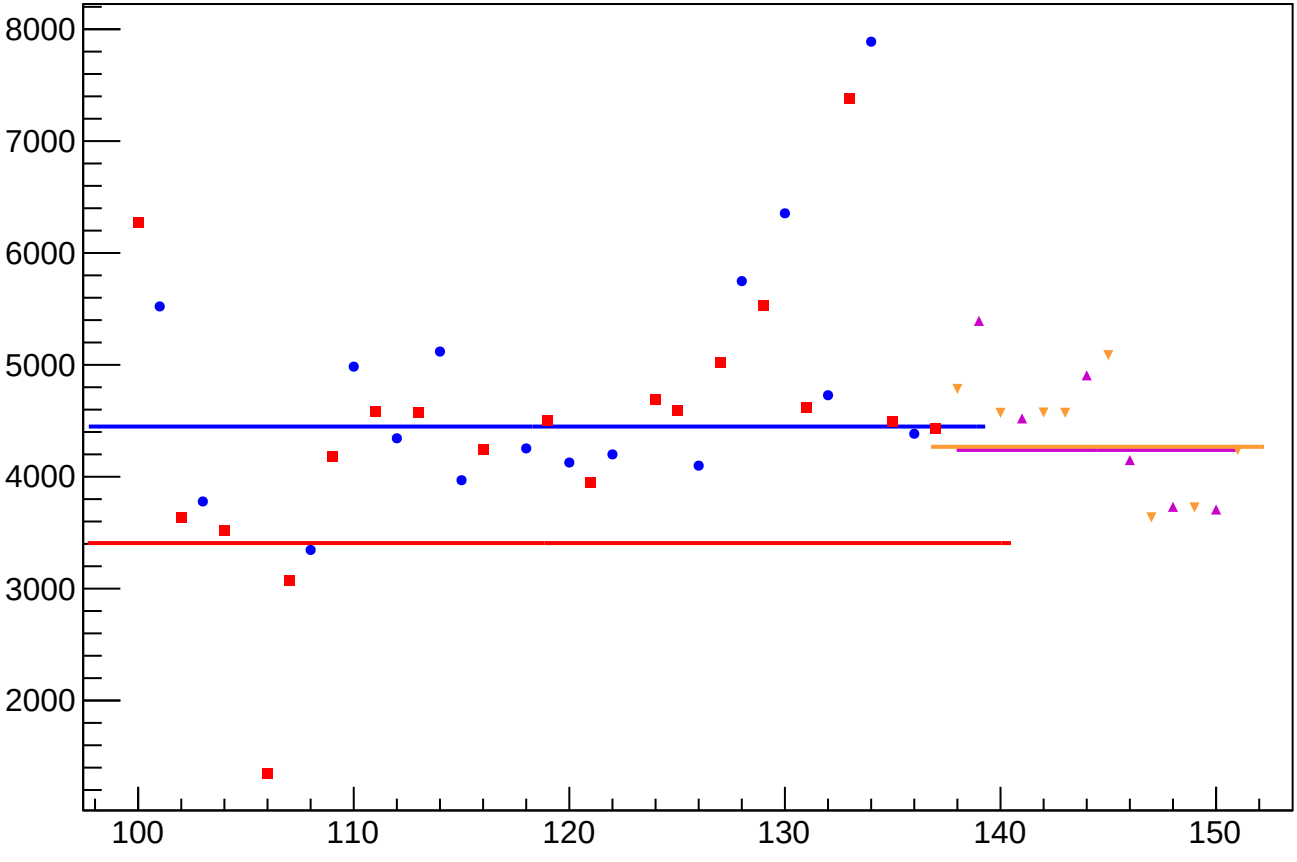
Left In: -433.593+/-1869.297 χ^2/NDF:1.5/5

+ sign 469.035+/-1210.451 χ^2/NDF: 24.2/23

All: 185.556+/-814.744 χ^2/NDF: 41.7/48

- sign -49.258+/-1101.661 χ^2/NDF: 17.3/24

asym_atr_avg_dit_correction_rms vs Slug



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4267.513+/-1.227 χ^2/NDF:163187.0/7

Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

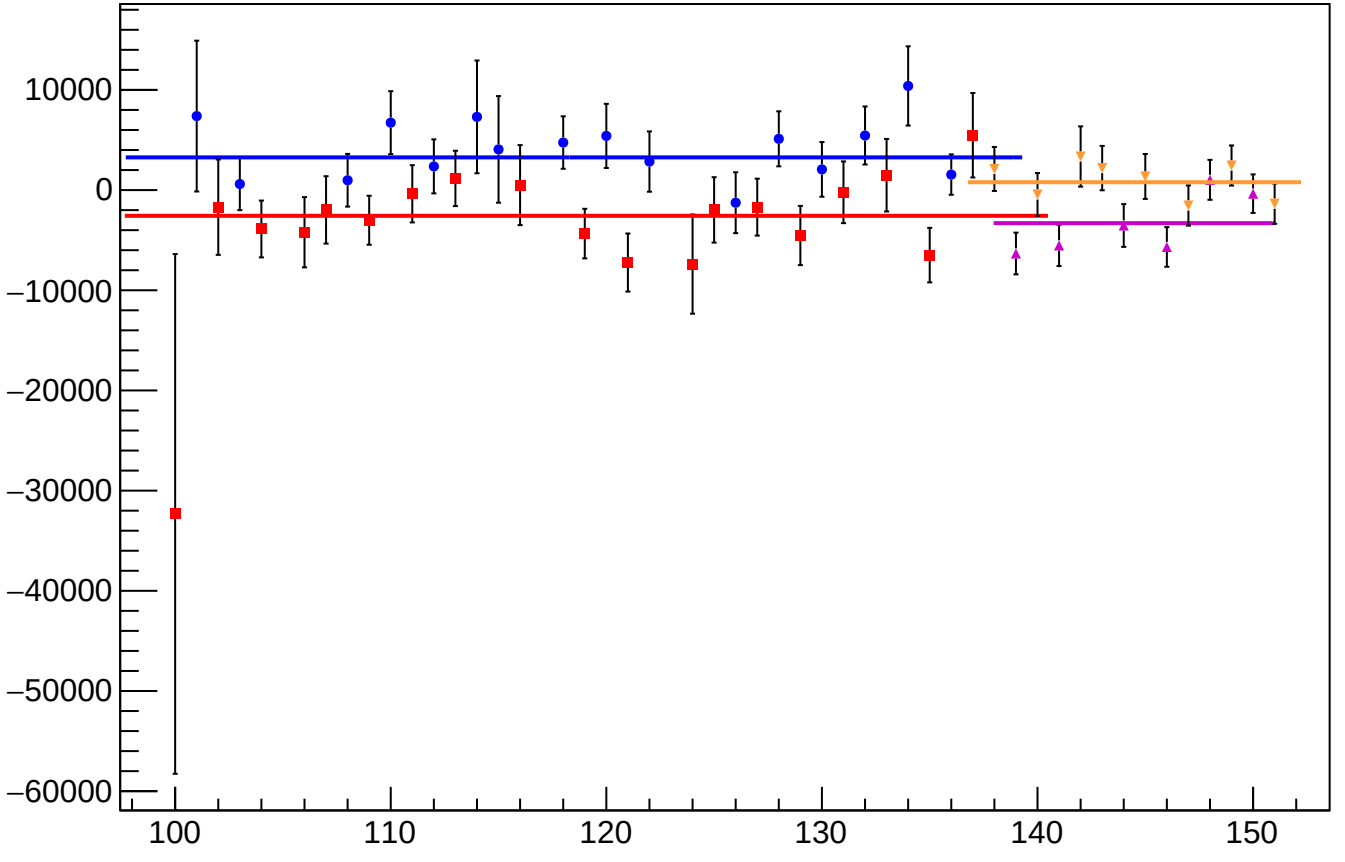
Left In: 4240.219+/-1.322 χ^2/NDF:185668.2/5

+ sign 4360.469+/-0.856 χ^2/NDF: 668997.1/23

All: 3997.304+/-0.576 χ^2/NDF: 3769150.9/48

- sign 3696.484+/-0.779 χ^2/NDF: 2770999.5/24

eigen_dit_asym_atr_avg_mean vs Slug



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 787.259+/-770.032 χ^2/NDF:5.1/7

Right Out: -2566.689+/-734.875 χ^2/NDF: 17.0/18

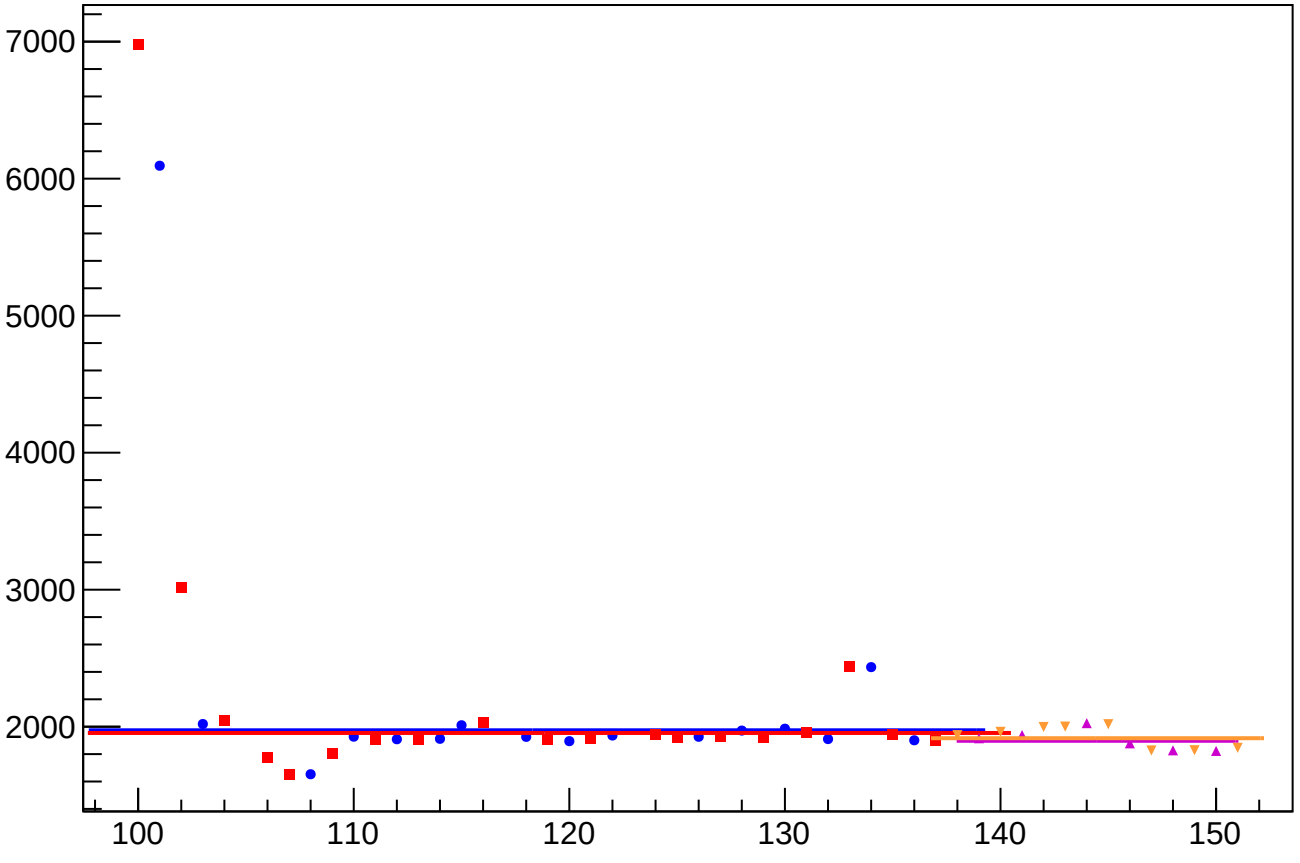
Left In: -3297.850+/-826.885 χ^2/NDF:11.8/5

+ sign 2057.167+/-537.590 χ^2/NDF: 22.5/23

All: -362.816+/-384.206 χ^2/NDF: 93.2/48

- sign -2889.343+/-549.297 χ^2/NDF: 29.2/24

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1916.018+/-0.544 χ^2/NDF:19960.5/7

Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

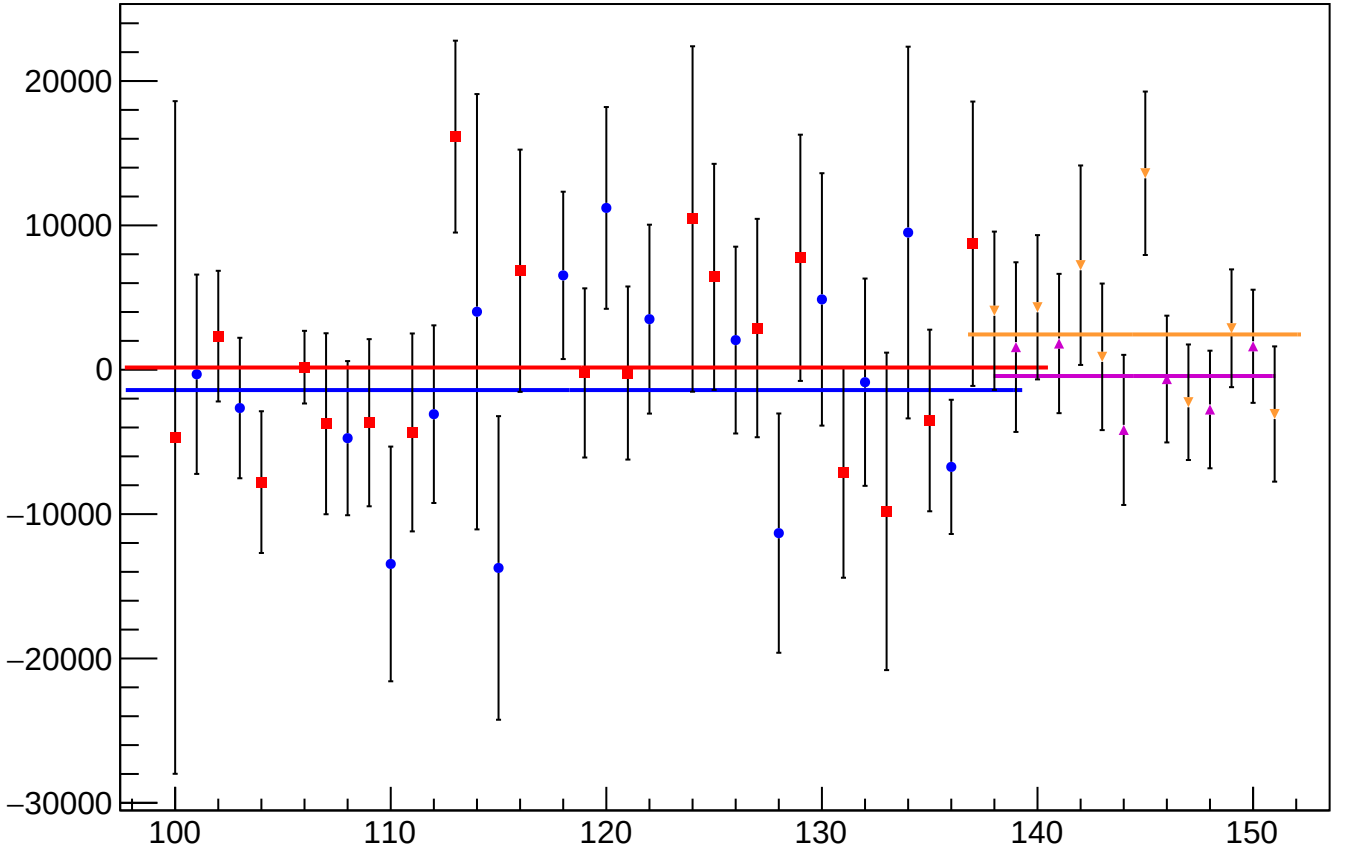
Left In: 1897.381+/-0.585 χ^2/NDF:13806.3/5

+ sign 1945.610+/-0.380 χ^2/NDF: 690846.9/23

All: 1937.592+/-0.272 χ^2/NDF: 957079.1/48

- sign 1929.228+/-0.388 χ^2/NDF: 265323.1/24

asym_atr_avg_eigen_dit_correction_mean vs Slug



Right In: -1407.363+/-1689.986 χ^2/NDF: 14.2/15

Left Out: 2445.718+/-1734.556 χ^2/NDF:7.5/7

Right Out: 155.272+/-1363.639 χ^2/NDF: 15.8/18

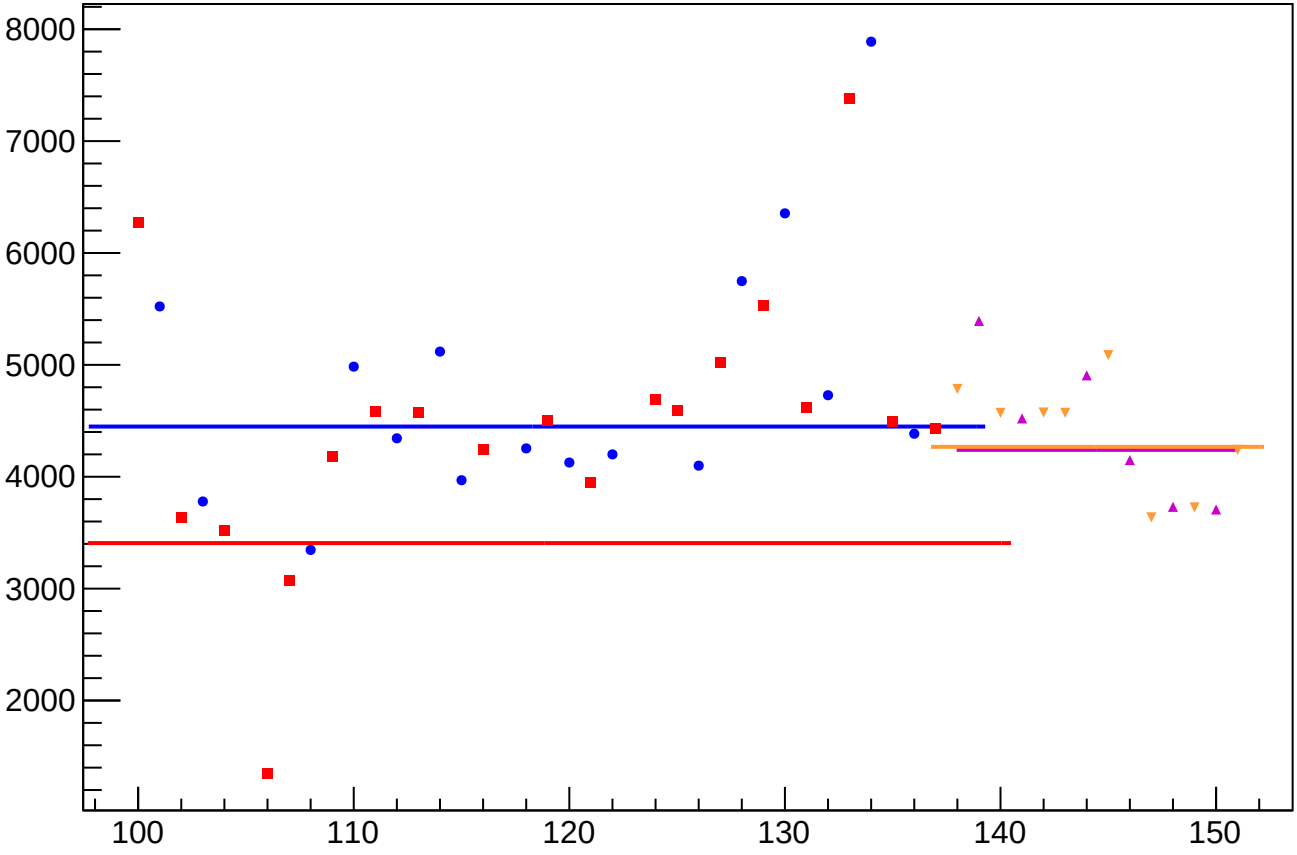
Left In: -433.589+/-1869.299 χ^2/NDF:1.5/5

+ sign 469.039+/-1210.451 χ^2/NDF: 24.2/23

All: 185.559+/-814.743 χ^2/NDF: 41.7/48

- sign -49.254+/-1101.660 χ^2/NDF: 17.3/24

asym_atr_avg_eigen_dit_correction_rms vs Slug



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4267.519+/-1.227 χ^2/NDF:163186.8/7

Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

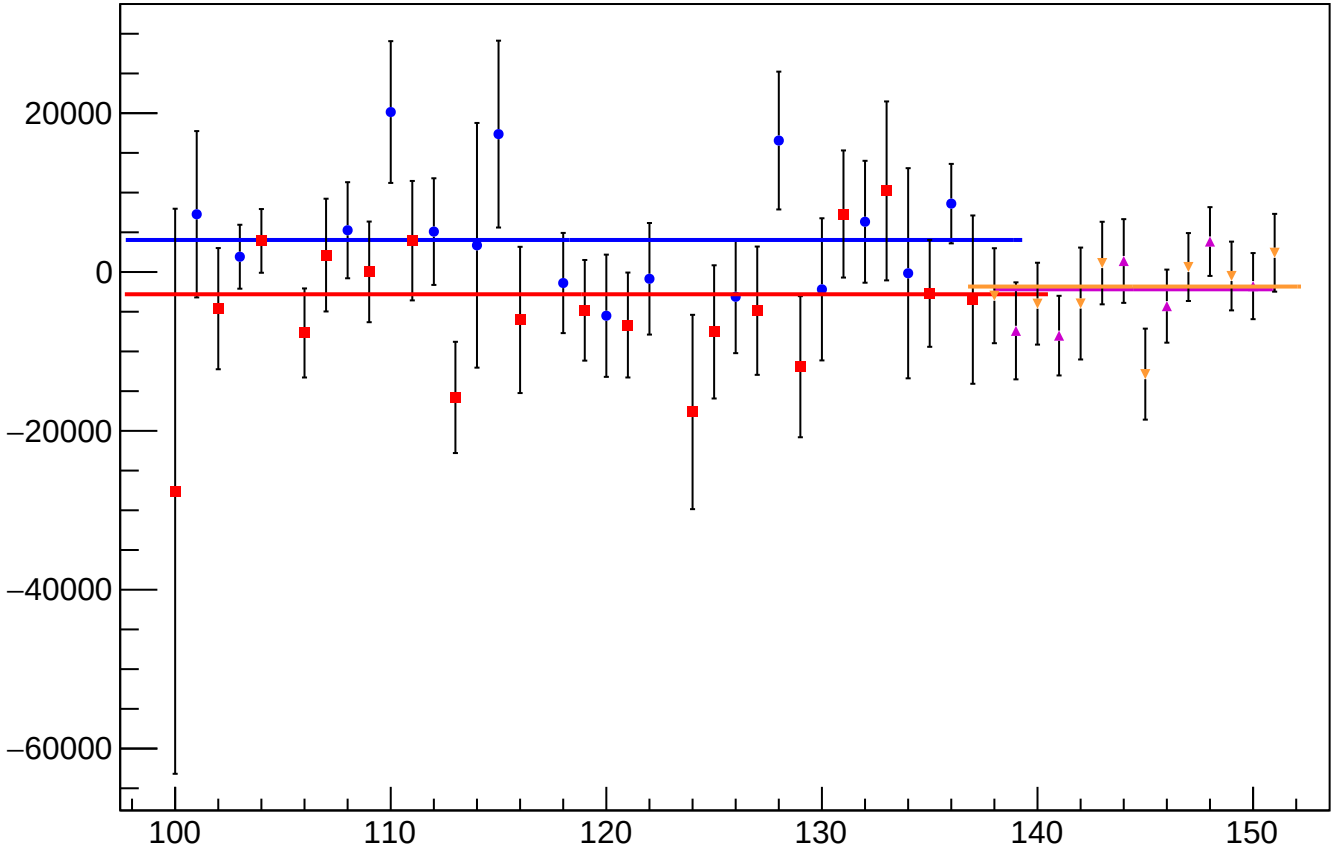
Left In: 4240.226+/-1.322 χ^2/NDF:185667.5/5

+ sign 4360.469+/-0.856 χ^2/NDF: 668992.4/23

All: 3997.301+/-0.576 χ^2/NDF: 3769162.7/48

- sign 3696.479+/-0.779 χ^2/NDF: 2771011.7/24

asym_atr_avg_mean vs Slug



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: -1830.611+/-1816.620 χ^2/NDF:5.5/7

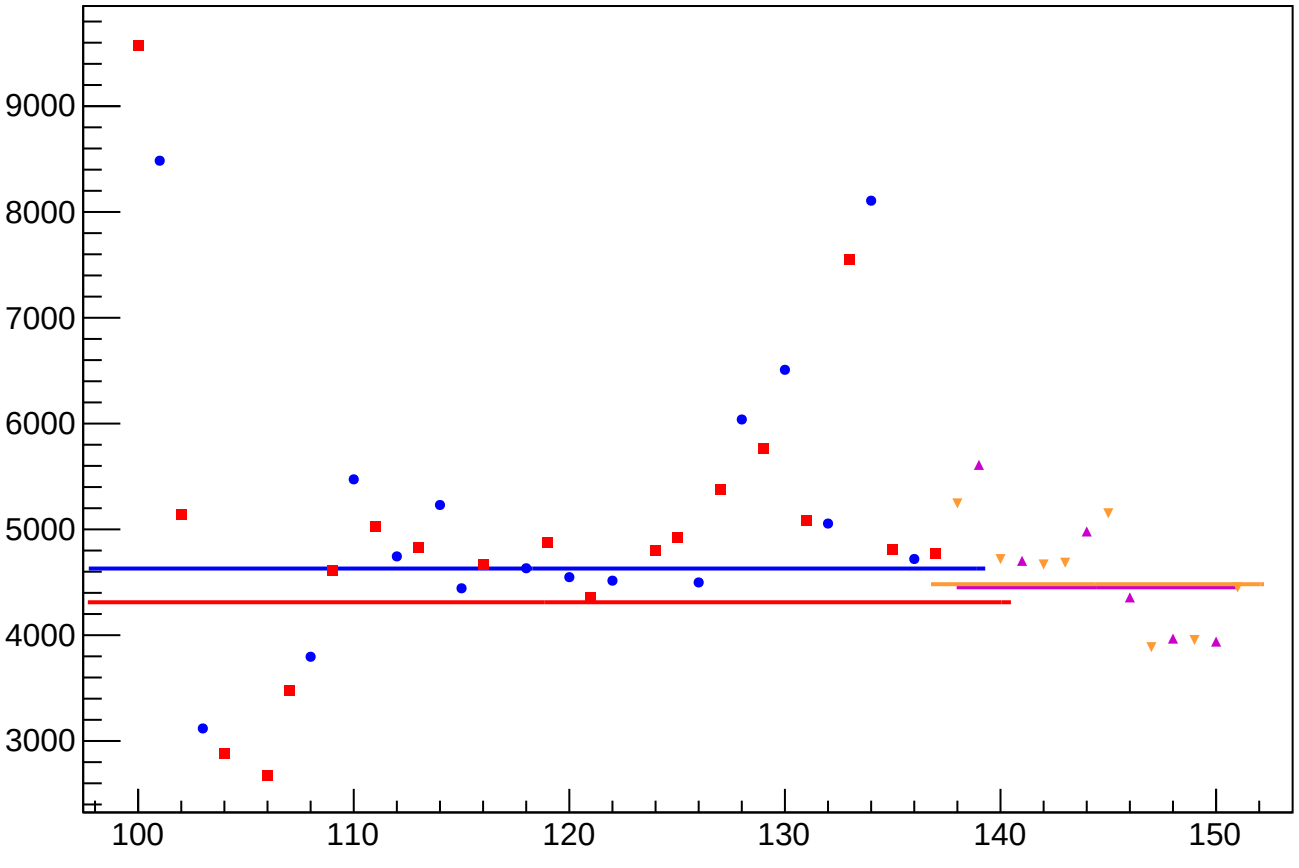
Right Out: -2800.547+/-1671.877 χ^2/NDF: 15.4/18

Left In: -2177.151+/-1957.734 χ^2/NDF:4.7/5

+ sign 1158.351+/-1272.139 χ^2/NDF: 23.2/23

All: -690.771+/-899.264 χ^2/NDF: 47.6/48

- sign -2537.643+/-1271.365 χ^2/NDF: 20.2/24



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 4481.802+/-1.285 χ^2/NDF:137212.1/7

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

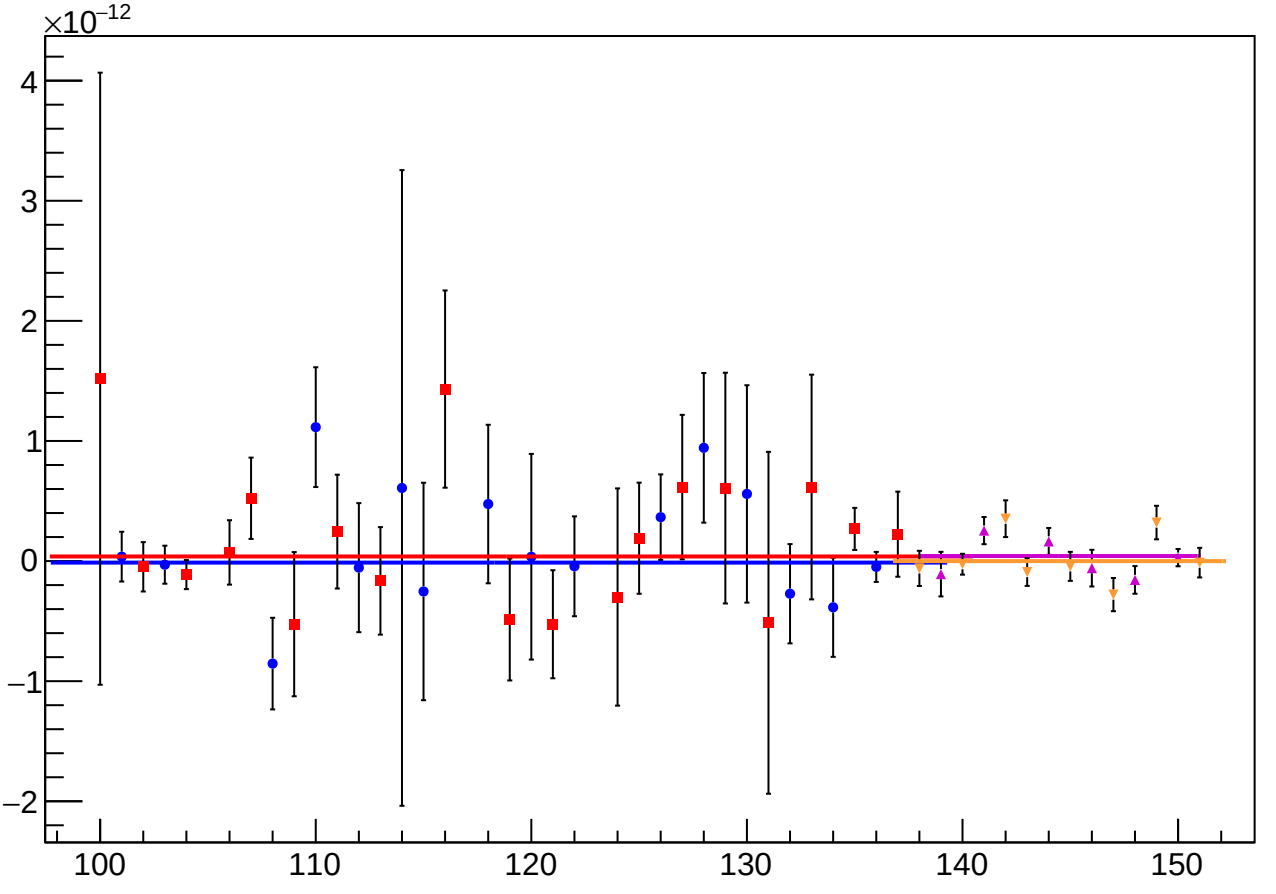
Left In: 4452.547+/-1.384 χ^2/NDF:153154.9/5

+ sign 4557.308+/-0.900 χ^2/NDF: 1044238.5/23

All: 4463.237+/-0.634 χ^2/NDF: 2129952.1/48

- sign 4370.222+/-0.894 χ^2/NDF: 1063963.5/24

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:15.7/7

Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

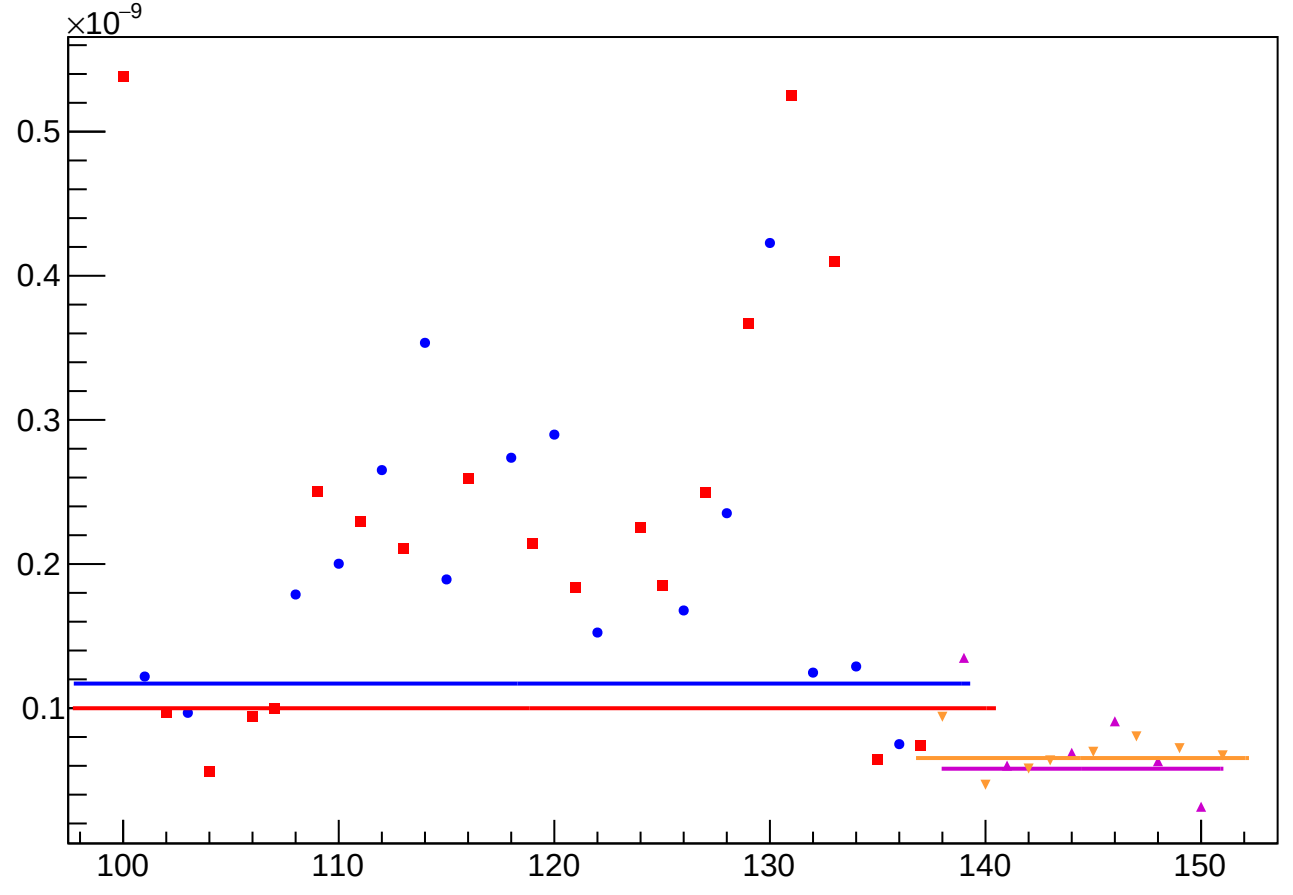
Left In: 0.000+/-0.000 χ^2/NDF:8.8/5

+ sign -0.000+/-0.000 χ^2/NDF: 31.6/23

All: 0.000+/-0.000 χ^2/NDF: 56.1/48

- sign 0.000+/-0.000 χ^2/NDF: 23.8/24

asym_atr_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1100462.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:204014.3/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1844111.3/18

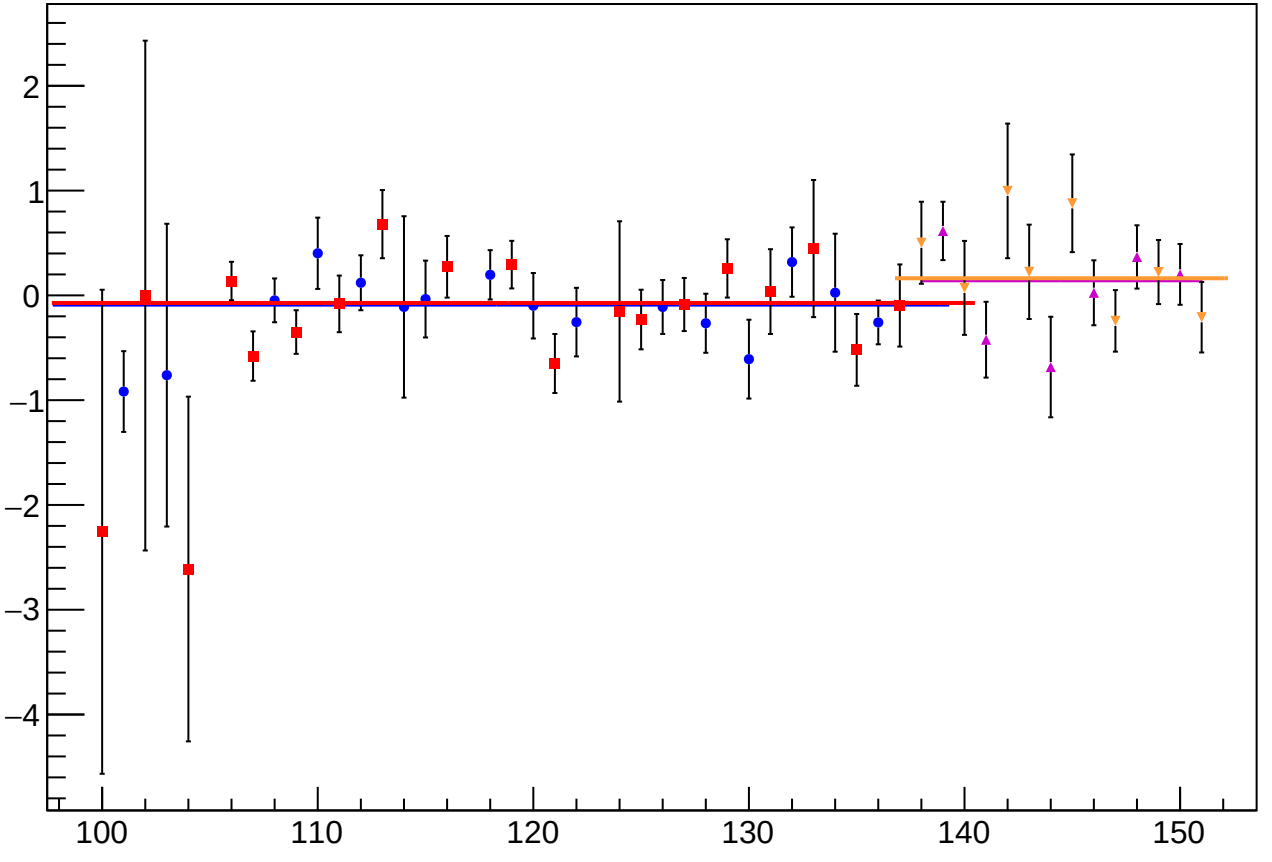
Left In: 0.000+/-0.000 χ^2/NDF:730593.3/5

+ sign 0.000+/-0.000 χ^2/NDF: 2011109.0/23

All: 0.000+/-0.000 χ^2/NDF: 5121648.9/48

- sign 0.000+/-0.000 χ^2/NDF: 3058327.0/24

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.163+/-0.135 χ^2/NDF:8.0/7

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

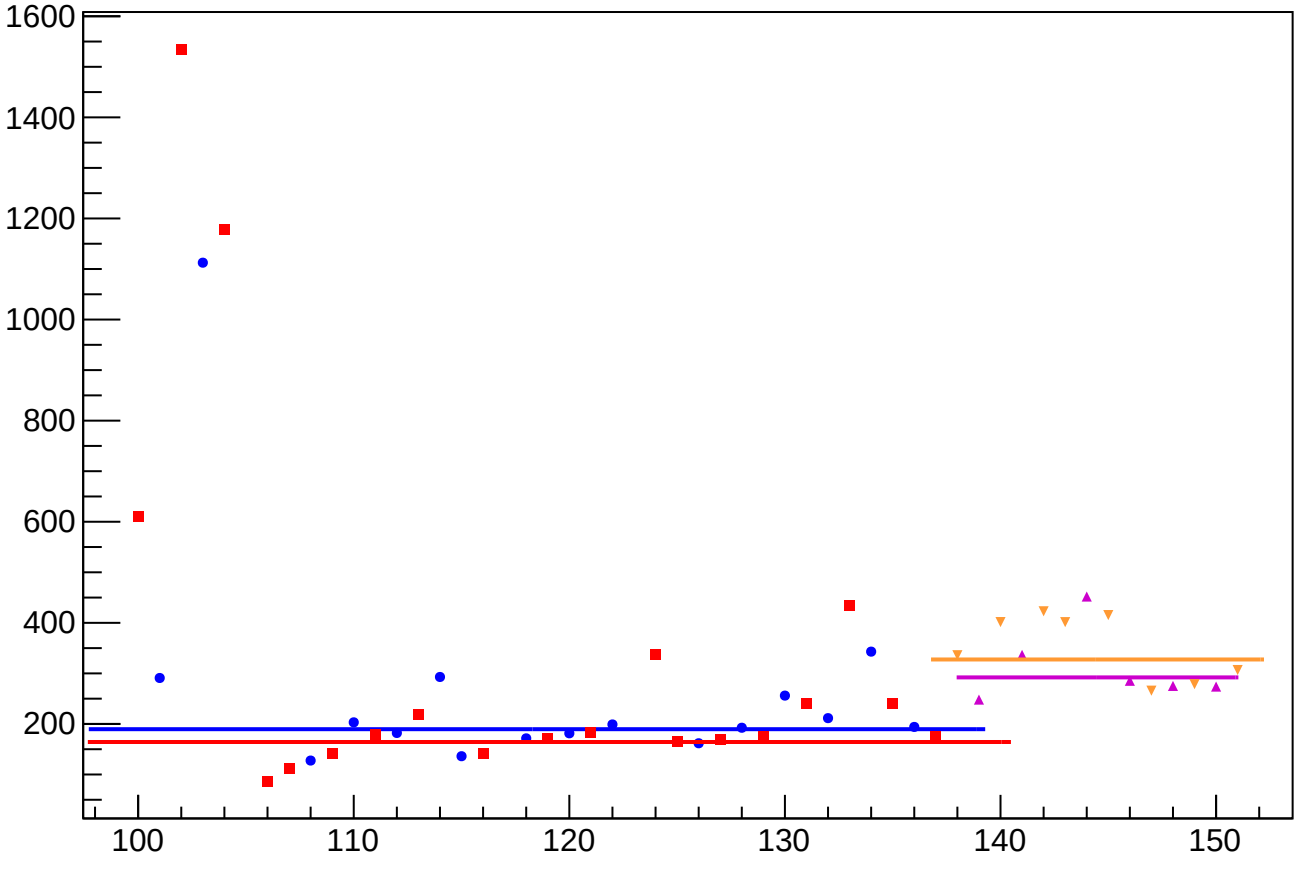
Left In: 0.144+/-0.131 χ^2/NDF:9.0/5

+ sign -0.027+/-0.067 χ^2/NDF: 24.5/23

All: -0.025+/-0.045 χ^2/NDF: 64.3/48

- sign -0.024+/-0.062 χ^2/NDF: 39.8/24

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 327.528+/-0.096 χ^2/NDF:371220.1/7

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

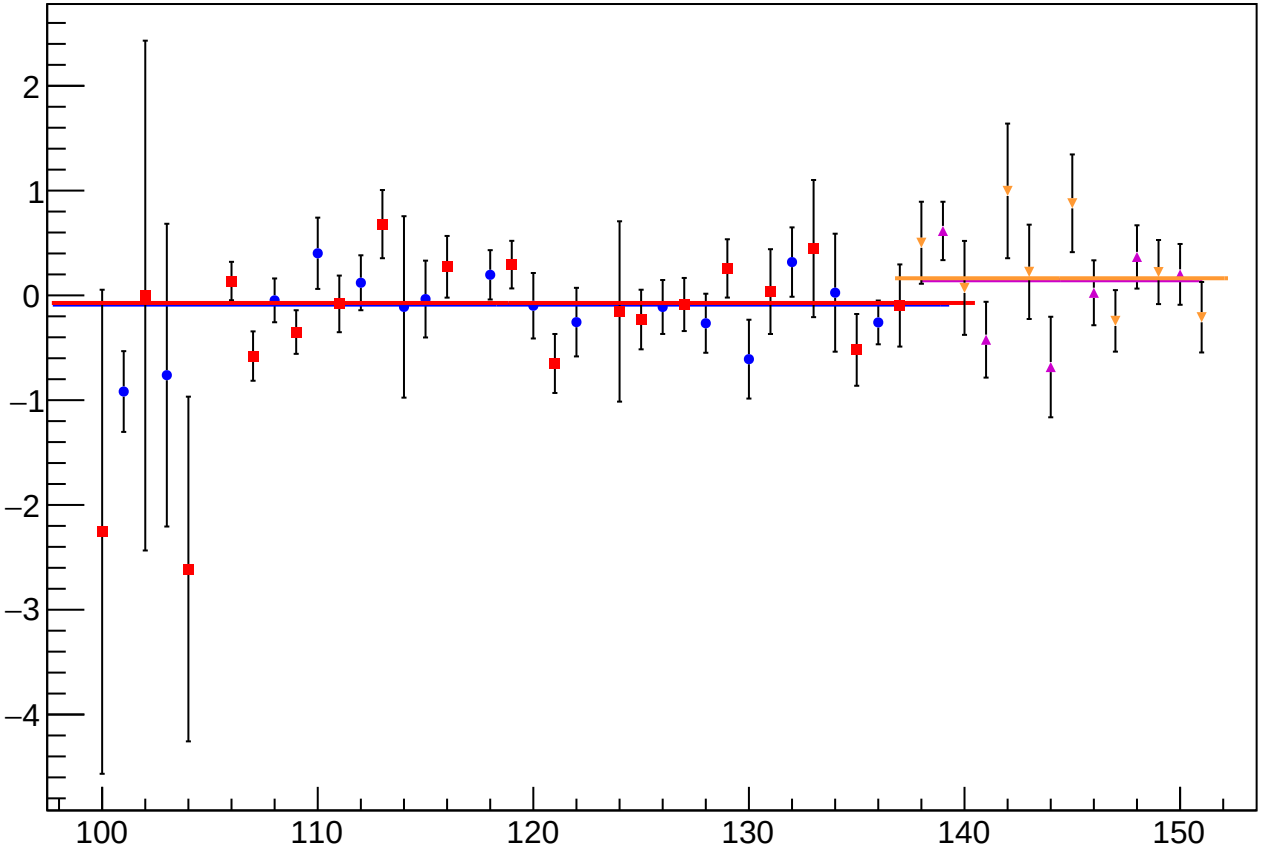
Left In: 292.075+/-0.093 χ^2/NDF:317433.2/5

+ sign 223.195+/-0.047 χ^2/NDF: 3407541.2/23

All: 206.723+/-0.032 χ^2/NDF: 8072053.6/48

- sign 192.630+/-0.044 χ^2/NDF: 4438682.5/24

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: 0.163+/-0.135 χ^2/NDF:8.0/7

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

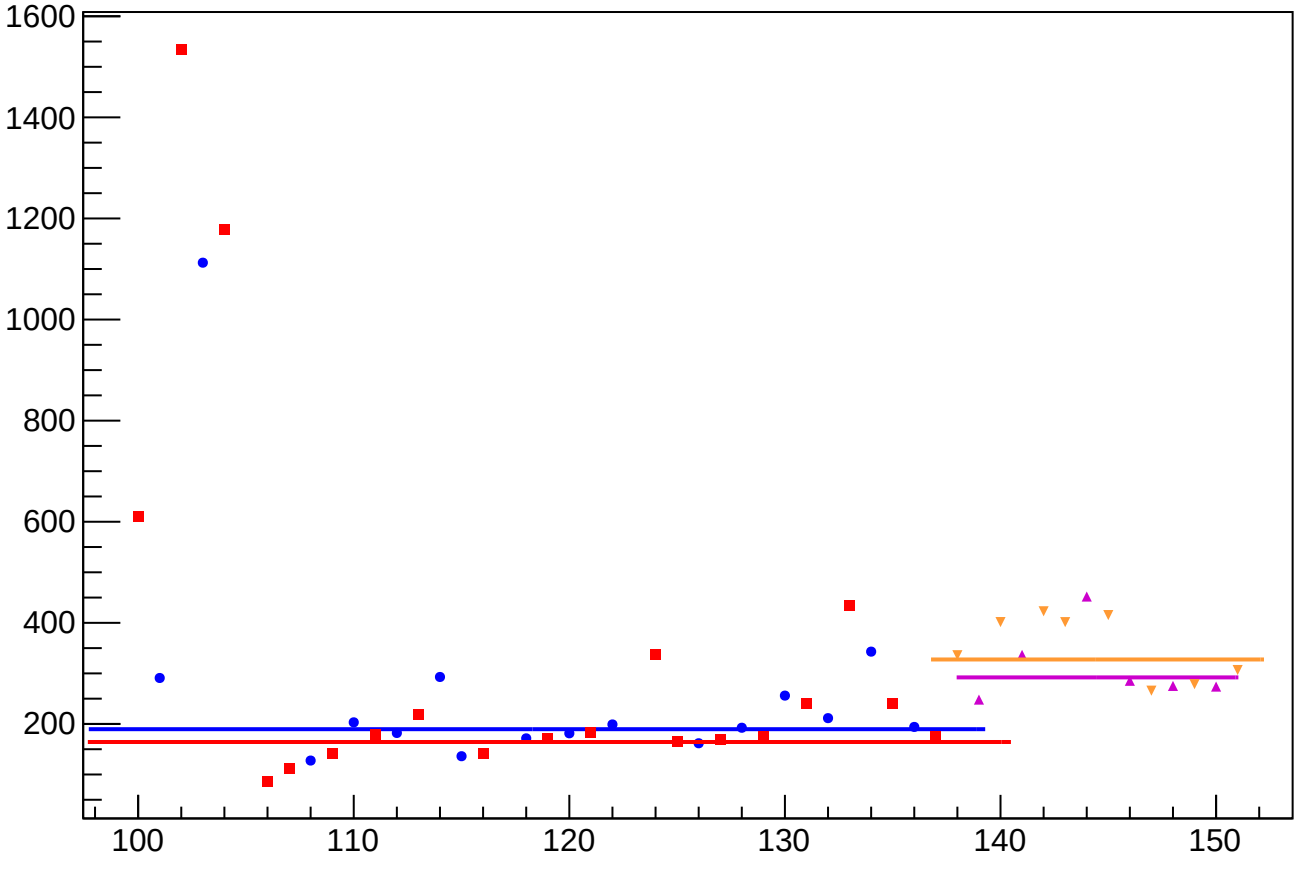
Left In: 0.144+/-0.131 χ^2/NDF:9.0/5

+ sign -0.027+/-0.067 χ^2/NDF: 24.5/23

All: -0.025+/-0.045 χ^2/NDF: 64.3/48

- sign -0.024+/-0.062 χ^2/NDF: 39.8/24

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: 327.528+/-0.096 χ^2/NDF:371220.1/7

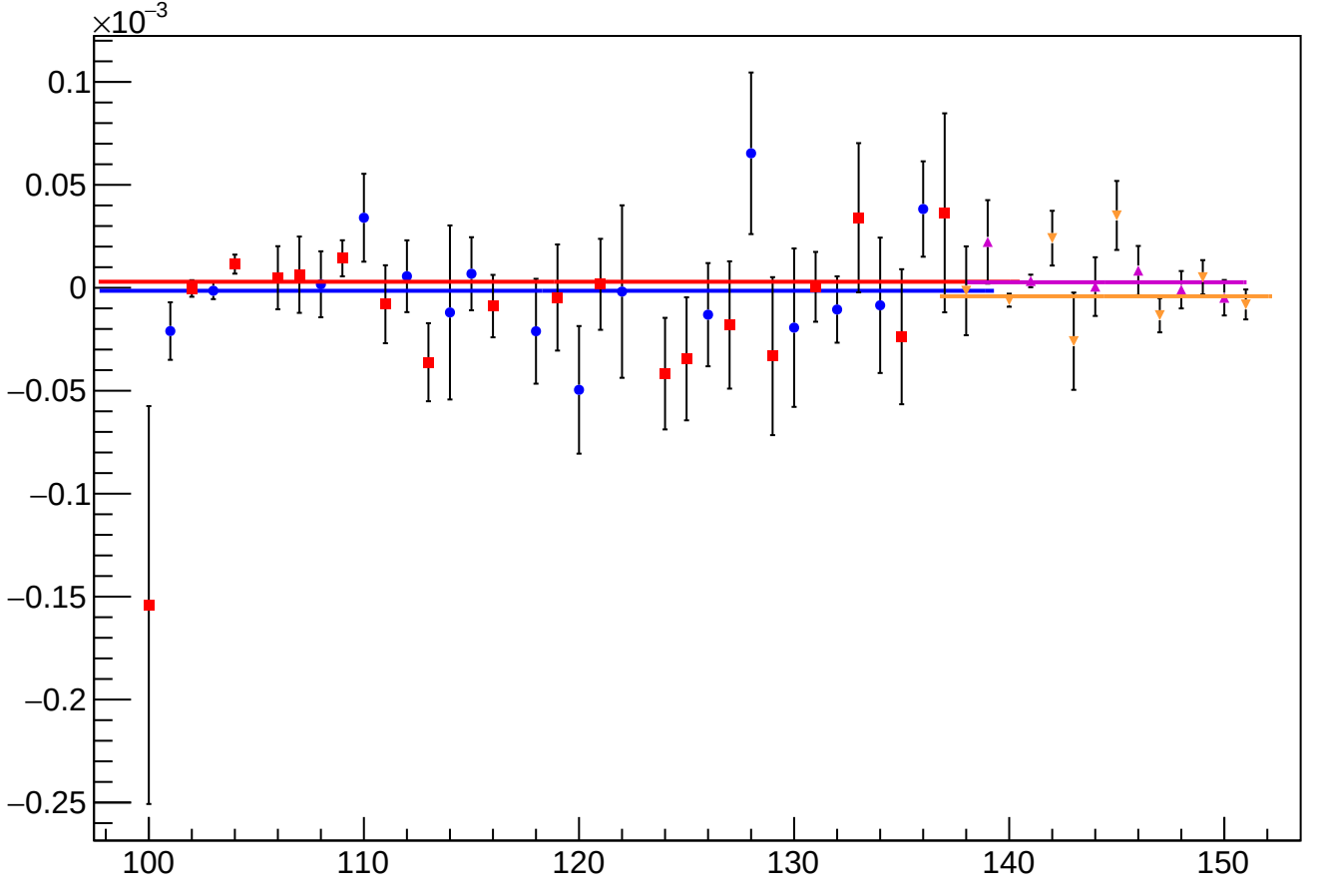
Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 292.075+/-0.093 χ^2/NDF:317433.2/5

+ sign 223.195+/-0.047 χ^2/NDF: 3407541.2/23

All: 206.723+/-0.032 χ^2/NDF: 8072053.6/48

- sign 192.630+/-0.044 χ^2/NDF: 4438682.5/24



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

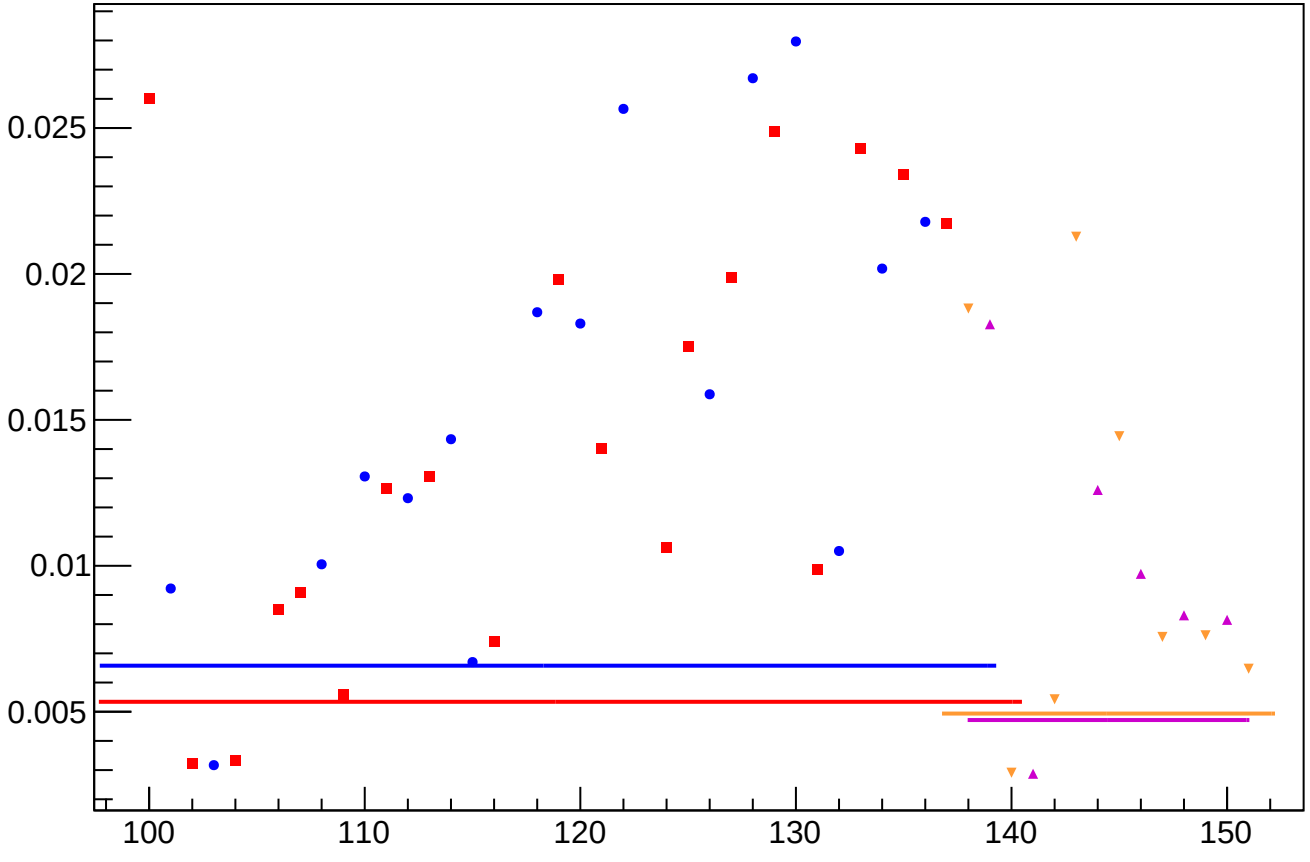
Left In: 0.000+/-0.000 χ^2/NDF:2.1/5

+ sign -0.000+/-0.000 χ^2/NDF: 29.2/23

All: 0.000+/-0.000 χ^2/NDF: 57.5/48

- sign 0.000+/-0.000 χ^2/NDF: 23.4/24

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 5928012.0/15

Left Out: 0.005+/-0.000 χ^2/NDF:3741068.1/7

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

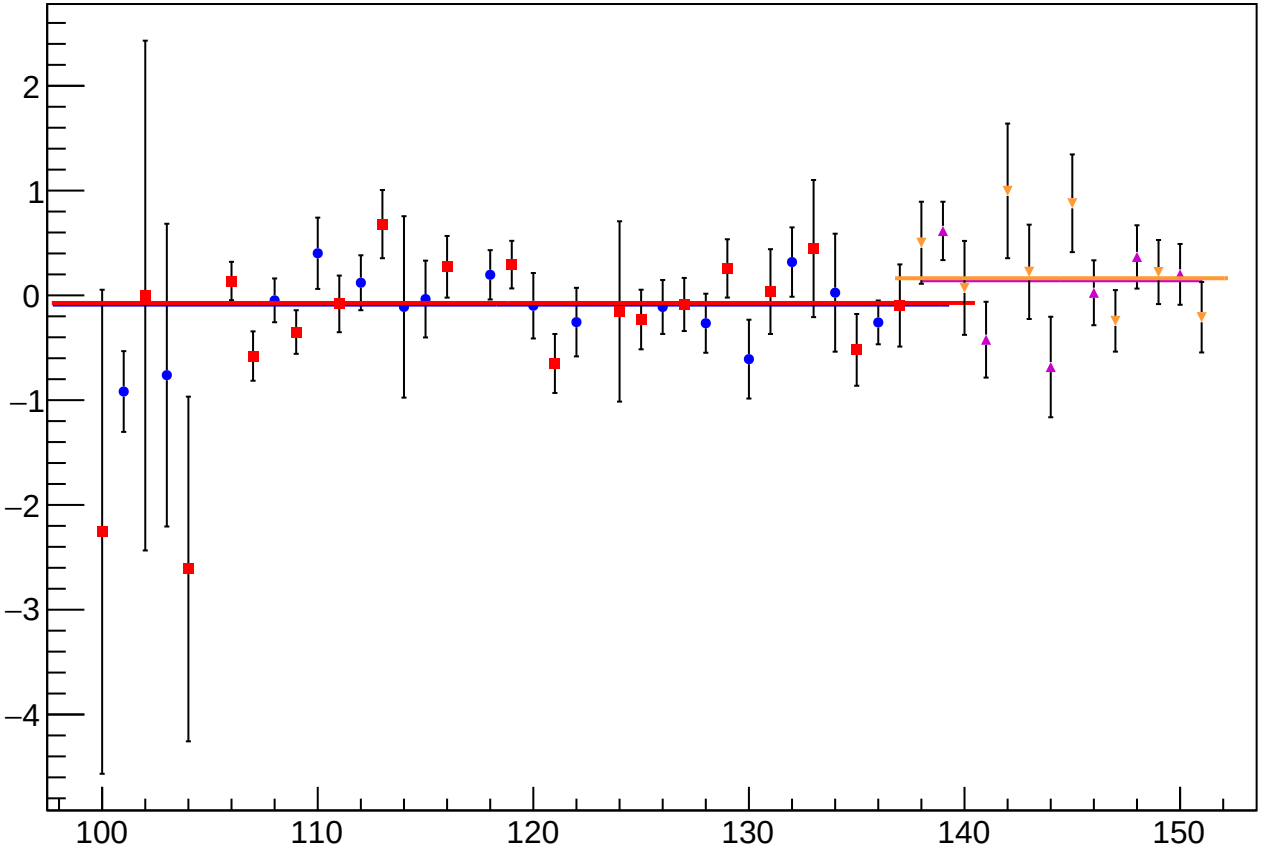
Left In: 0.005+/-0.000 χ^2/NDF:3212181.3/5

+ sign 0.006+/-0.000 χ^2/NDF: 9981747.9/23

All: 0.005+/-0.000 χ^2/NDF: 19006066.6/48

- sign 0.005+/-0.000 χ^2/NDF: 8956457.2/24

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: 0.163+/-0.135 χ^2/NDF:8.0/7

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

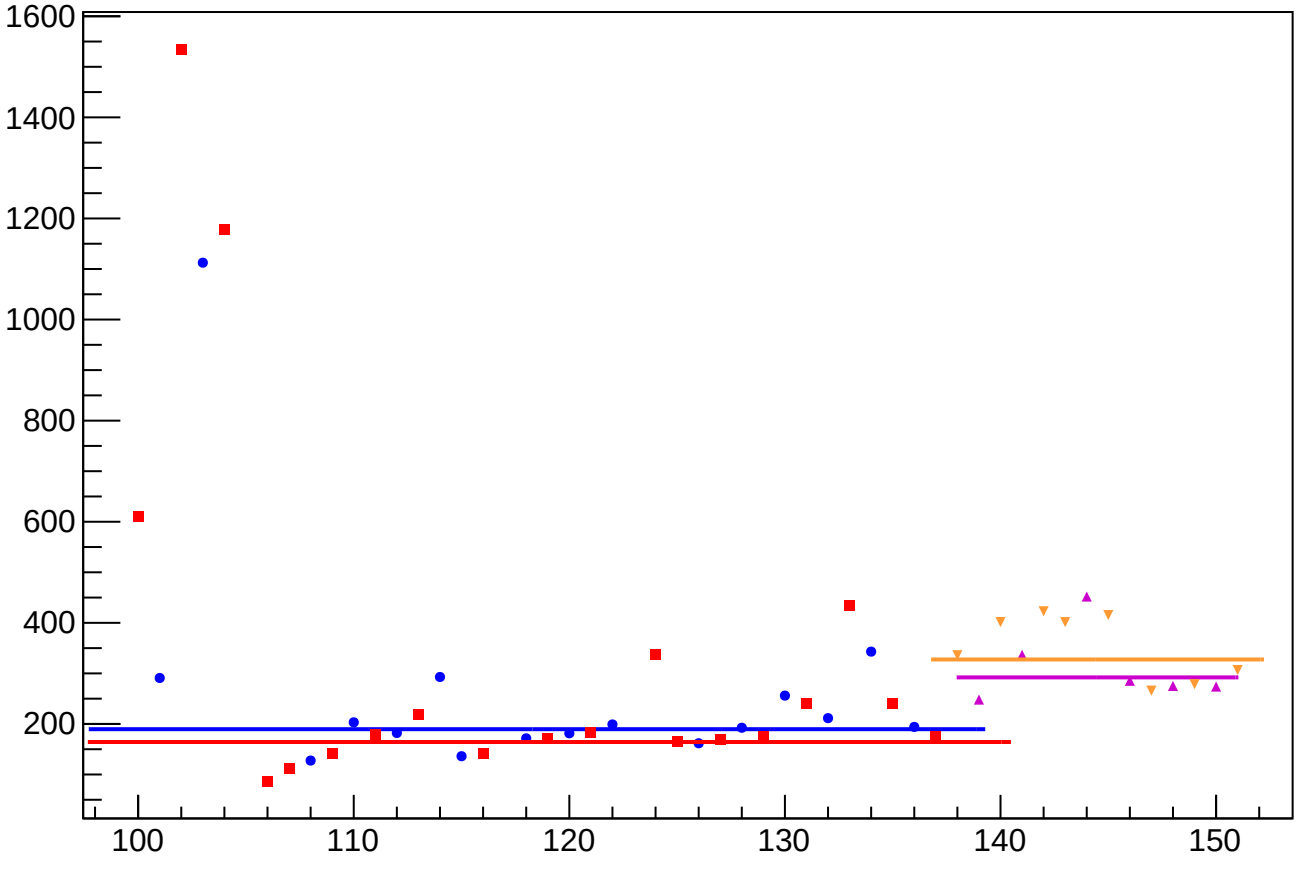
Left In: 0.144+/-0.131 χ^2/NDF:9.0/5

+ sign -0.027+/-0.067 χ^2/NDF: 24.5/23

All: -0.025+/-0.045 χ^2/NDF: 64.3/48

- sign -0.024+/-0.062 χ^2/NDF: 39.8/24

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: 327.532+/-0.096 χ^2/NDF:371206.8/7

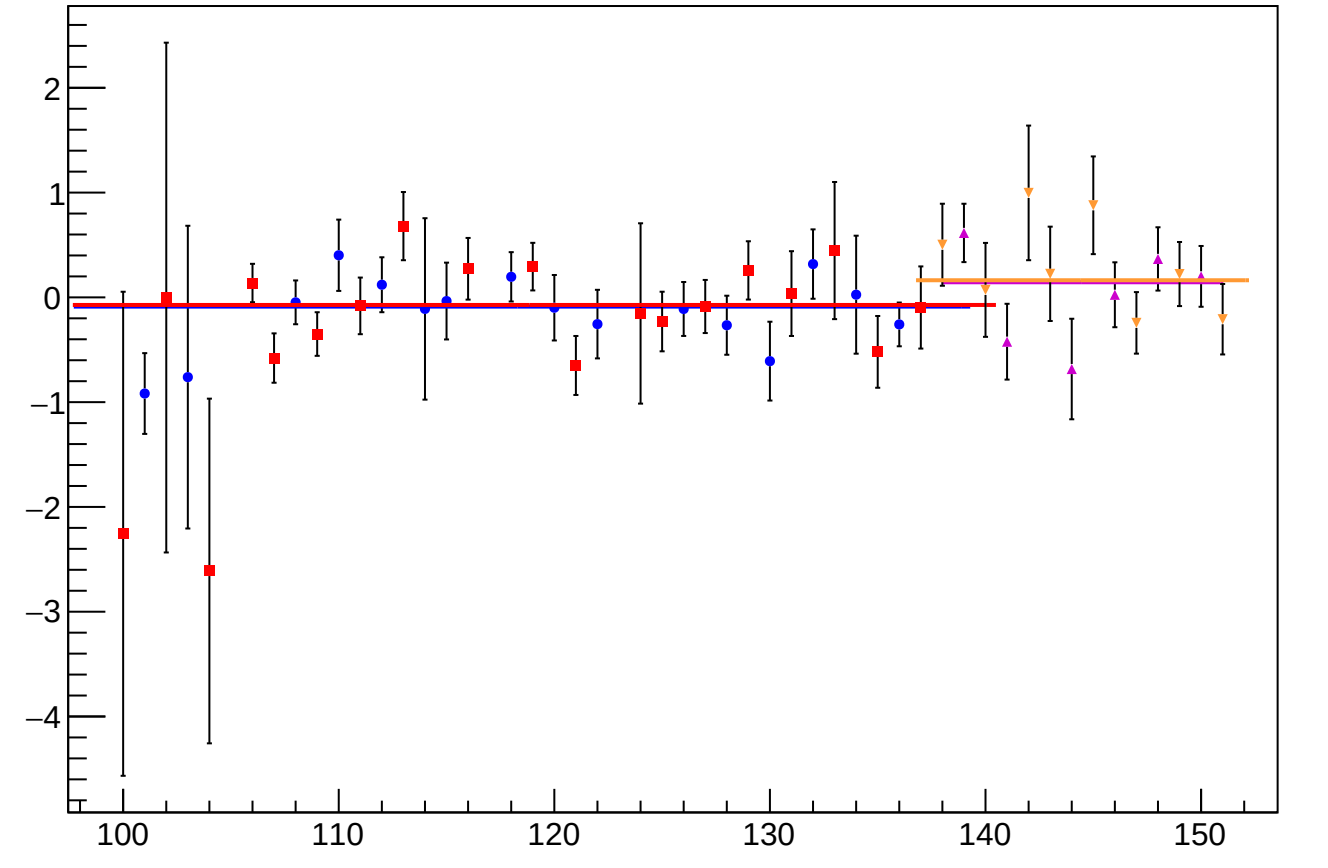
Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 292.080+/-0.093 χ^2/NDF:317419.9/5

+ sign 223.195+/-0.047 χ^2/NDF: 3407607.8/23

All: 206.722+/-0.032 χ^2/NDF: 8072178.5/48

- sign 192.630+/-0.044 χ^2/NDF: 4438738.3/24



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.163+/-0.135 χ^2/NDF:8.0/7

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

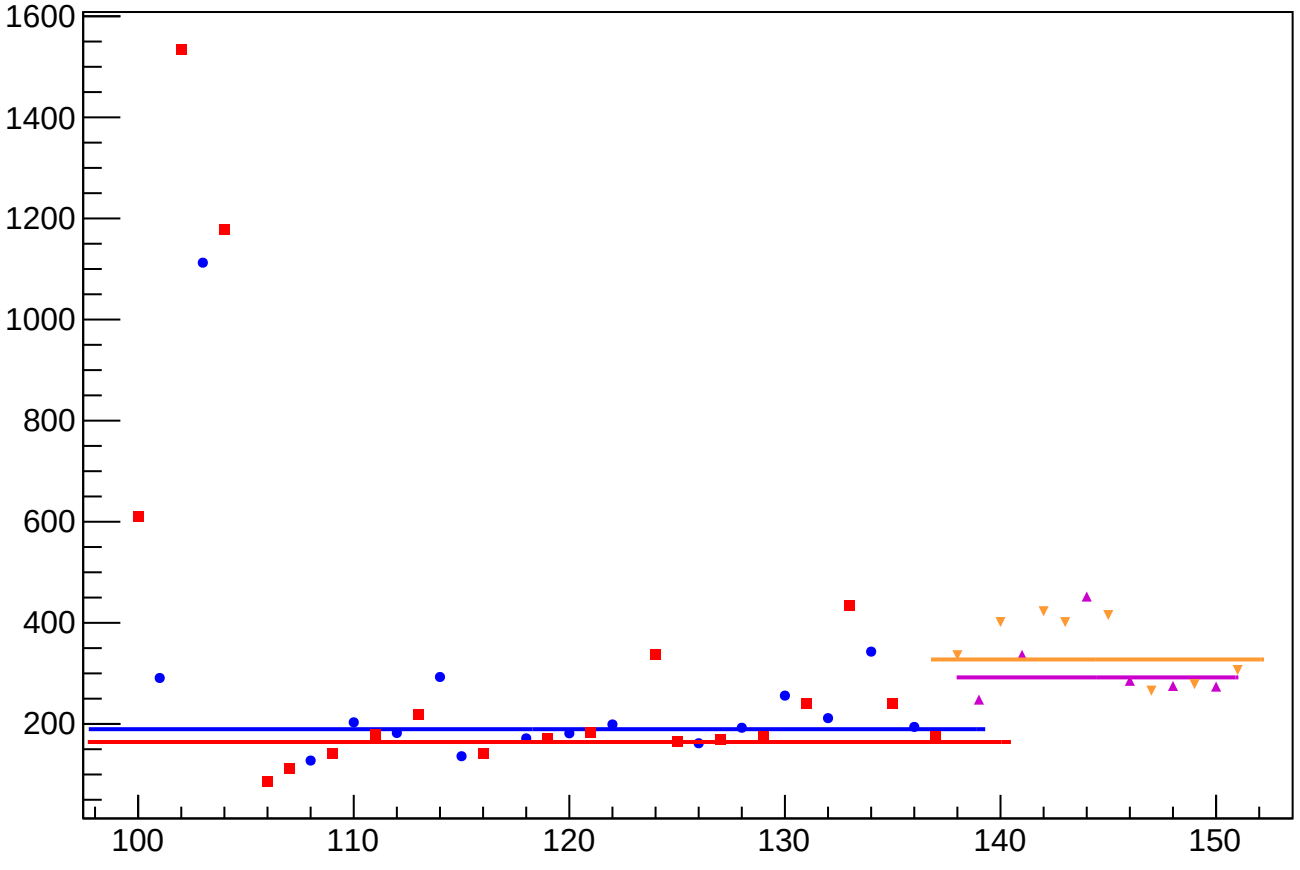
Left In: 0.144+/-0.131 χ^2/NDF:9.0/5

+ sign -0.027+/-0.067 χ^2/NDF: 24.5/23

All: -0.025+/-0.045 χ^2/NDF: 64.3/48

- sign -0.024+/-0.062 χ^2/NDF: 39.8/24

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 327.532+/-0.096 χ^2/NDF:371206.8/7

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

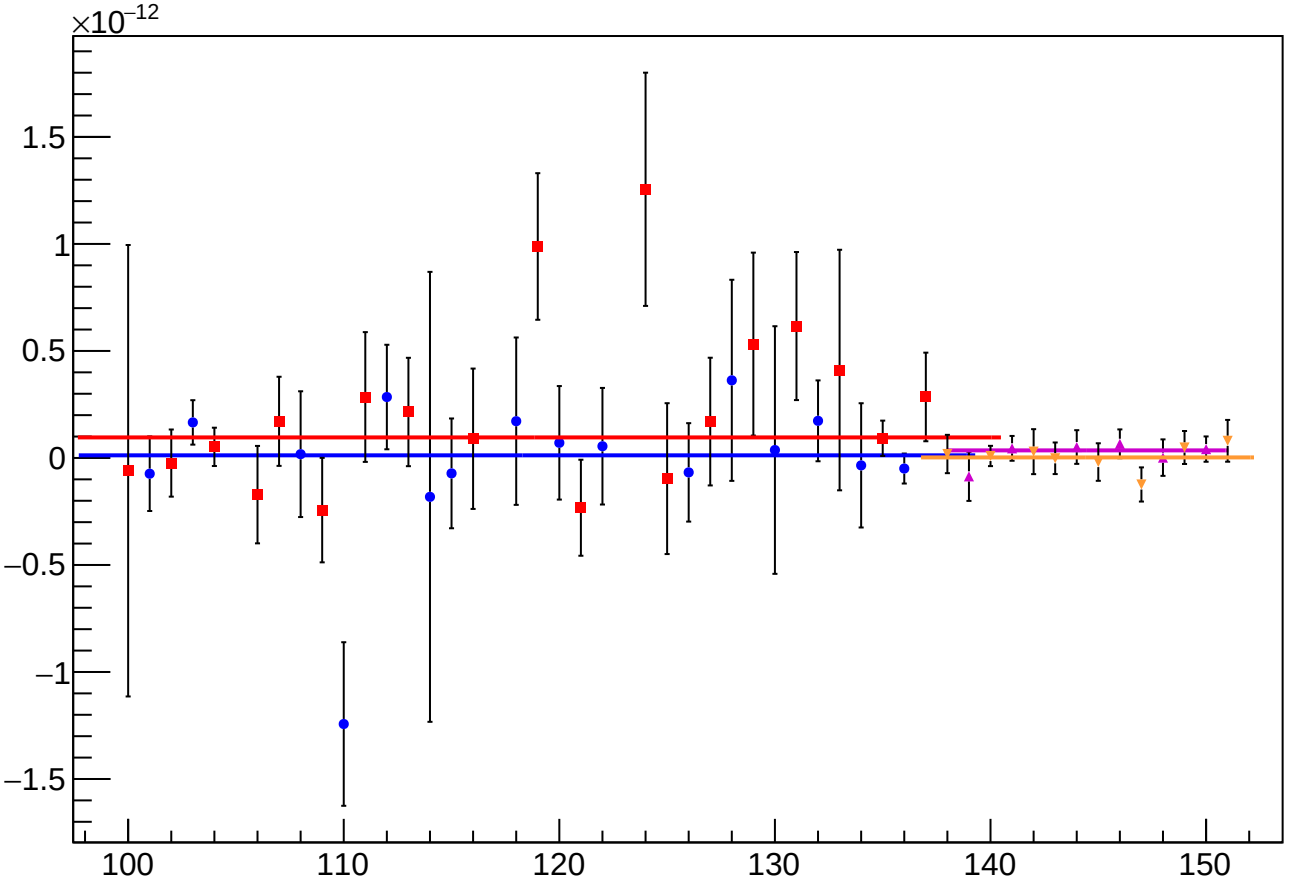
Left In: 292.080+/-0.093 χ^2/NDF:317419.9/5

+ sign 223.195+/-0.047 χ^2/NDF: 3407607.8/23

All: 206.722+/-0.032 χ^2/NDF: 8072178.5/48

- sign 192.630+/-0.044 χ^2/NDF: 4438738.3/24

asym_atr_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.7/7

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

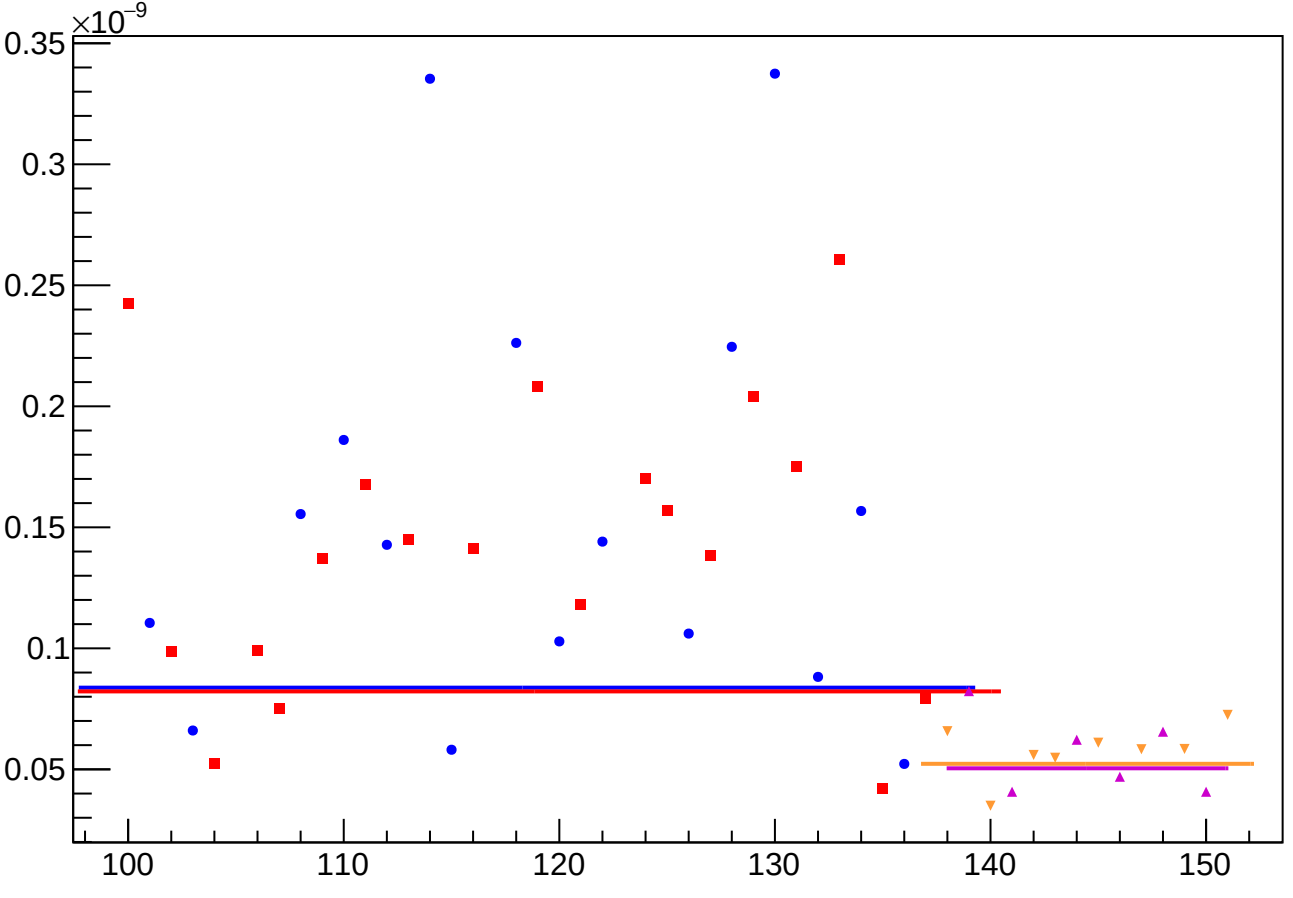
Left In: 0.000+/-0.000 χ^2/NDF:1.6/5

+ sign 0.000+/-0.000 χ^2/NDF: 20.8/23

All: 0.000+/-0.000 χ^2/NDF: 48.9/48

- sign 0.000+/-0.000 χ^2/NDF: 26.0/24

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:446710.1/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

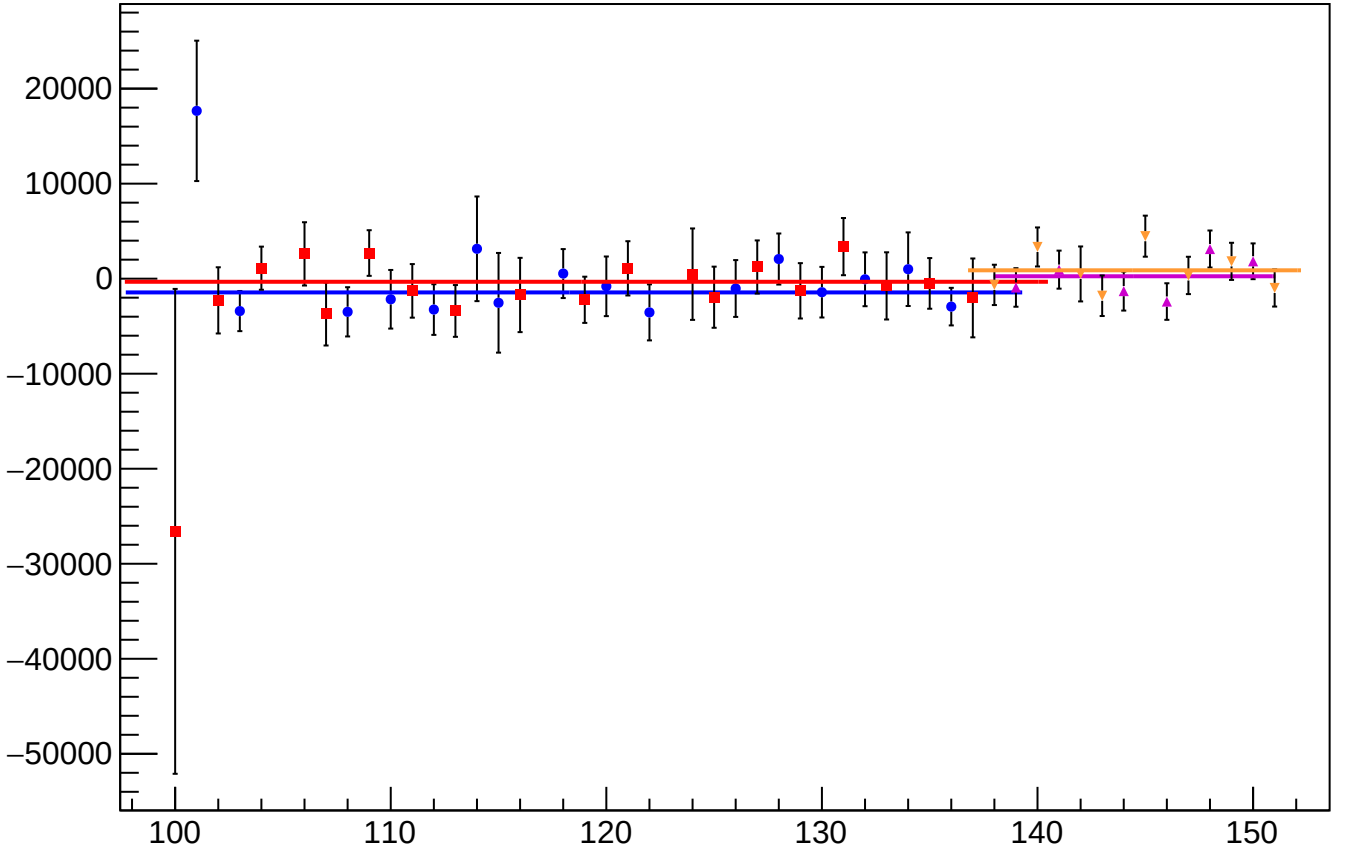
Left In: 0.000+/-0.000 χ^2/NDF:377103.7/5

+ sign 0.000+/-0.000 χ^2/NDF: 3265931.3/23

All: 0.000+/-0.000 χ^2/NDF: 6623828.0/48

- sign 0.000+/-0.000 χ^2/NDF: 3357556.5/24

reg_asym_atr_dd_mean vs Slug



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 880.362+/-746.426 χ^2/NDF:7.5/7

Right Out: -325.908+/-702.648 χ^2/NDF: 9.9/18

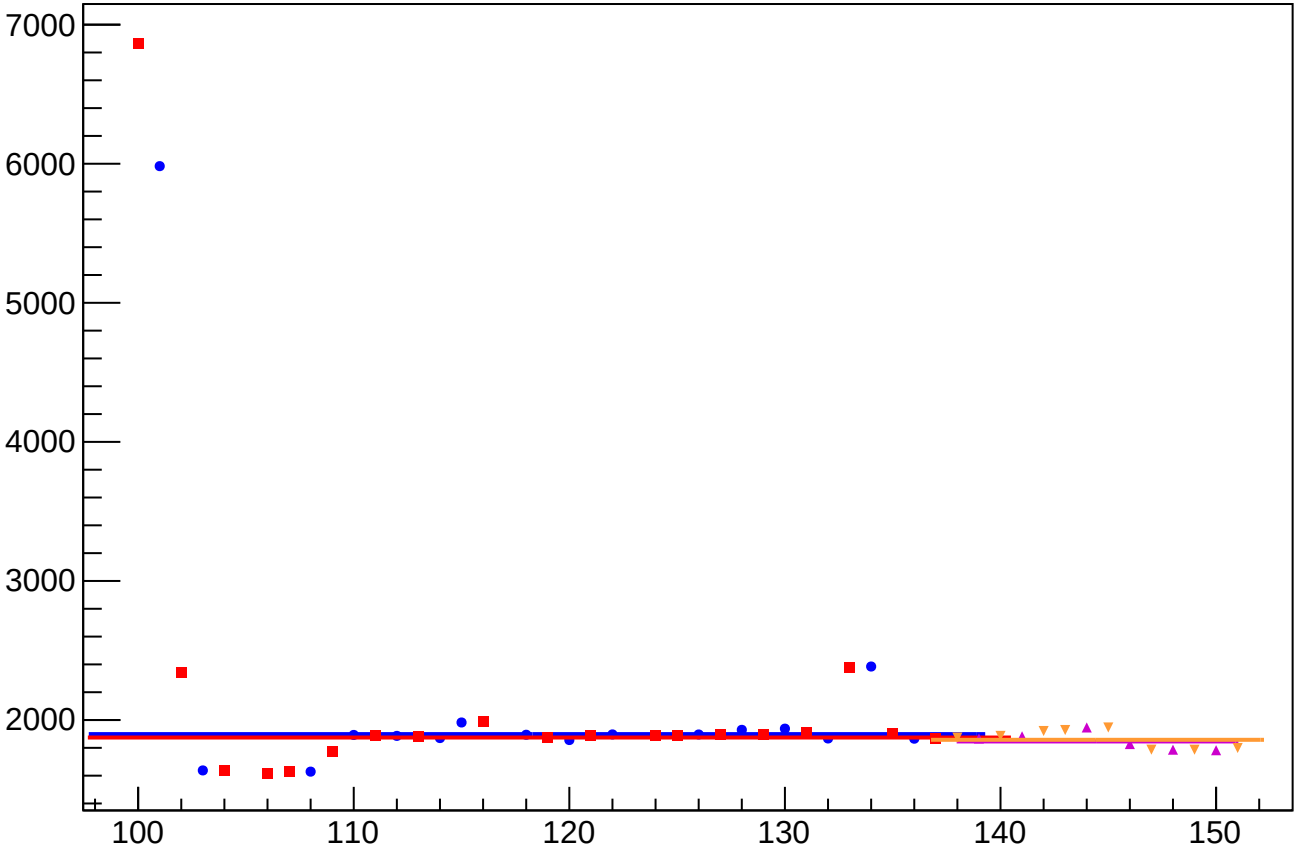
Left In: 253.248+/-804.288 χ^2/NDF:5.8/5

+ sign -319.954+/-519.375 χ^2/NDF: 26.0/23

All: -199.868+/-370.663 χ^2/NDF: 42.2/48

- sign -75.216+/-529.156 χ^2/NDF: 16.1/24

reg_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1857.788+/-0.528 χ^2/NDF:14039.8/7

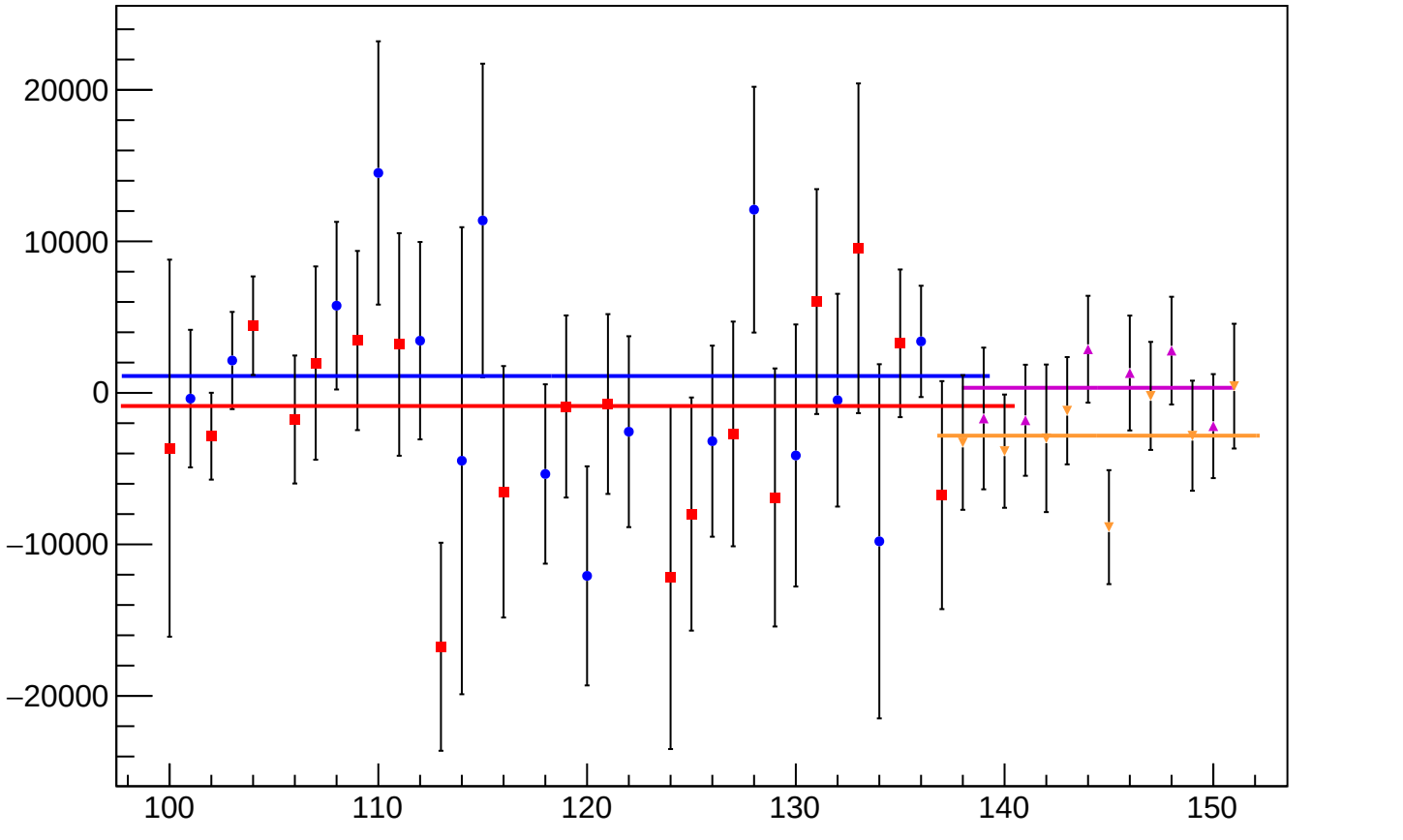
Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1845.975+/-0.569 χ^2/NDF:9994.0/5

+ sign 1878.957+/-0.367 χ^2/NDF: 714672.5/23

All: 1870.649+/-0.262 χ^2/NDF: 934771.3/48

- sign 1862.058+/-0.373 χ^2/NDF: 219057.8/24



Right In: 1112.704+/-1479.265 χ^2/NDF: 13.4/15

Left Out: -2823.345+/-1375.837 χ^2/NDF:4.1/7

Right Out: -866.976+/-1307.223 χ^2/NDF: 15.6/18

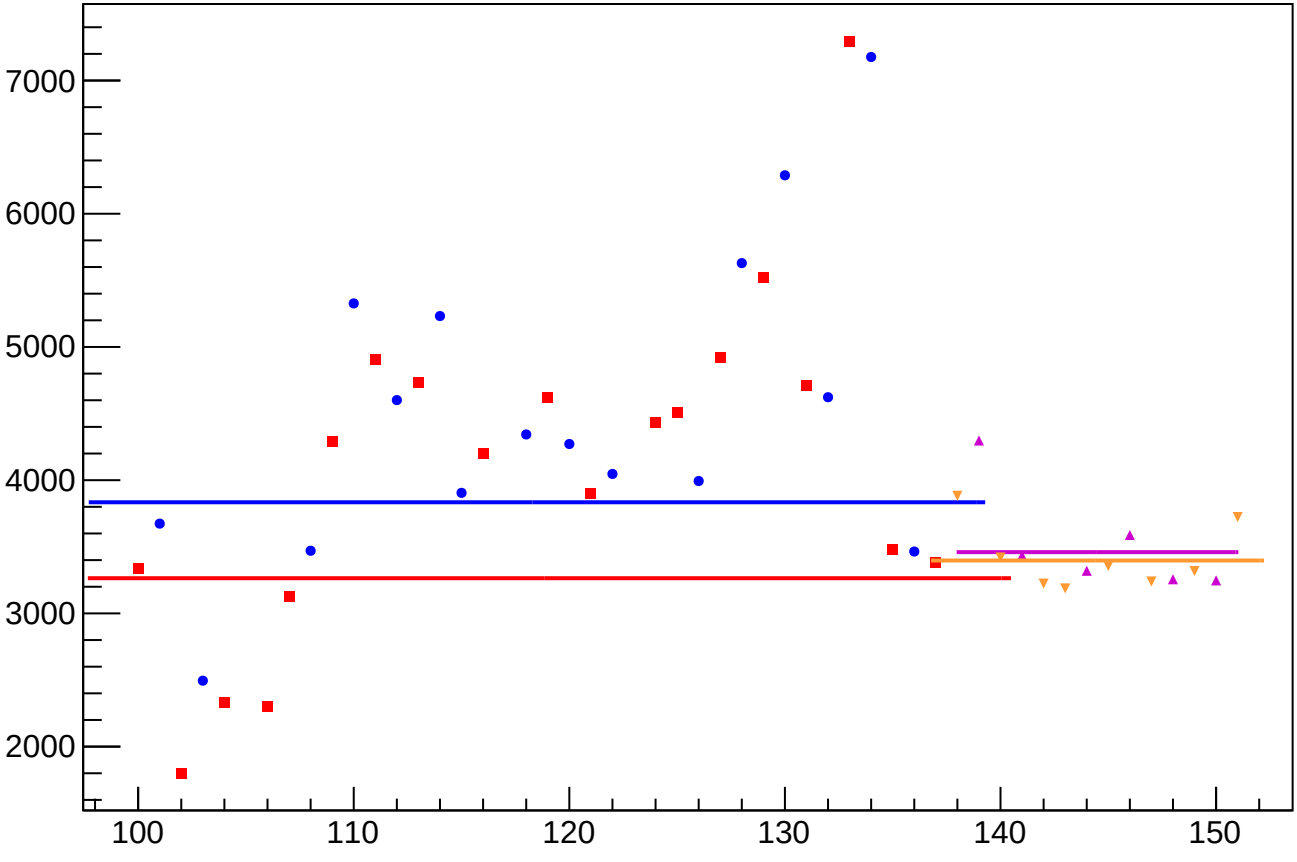
Left In: 335.427+/-1517.512 χ^2/NDF:2.1/5

\+ sign -997.720+/-1007.445 χ^2/NDF: 21.2/23

All: -670.778+/-706.275 χ^2/NDF: 39.5/48

\- sign -354.794+/-990.419 χ^2/NDF: 18.1/24

asym_atr_dd_reg_correction_rms vs Slug



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 3397.131+/-0.973 χ^2/NDF:51134.1/7

Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

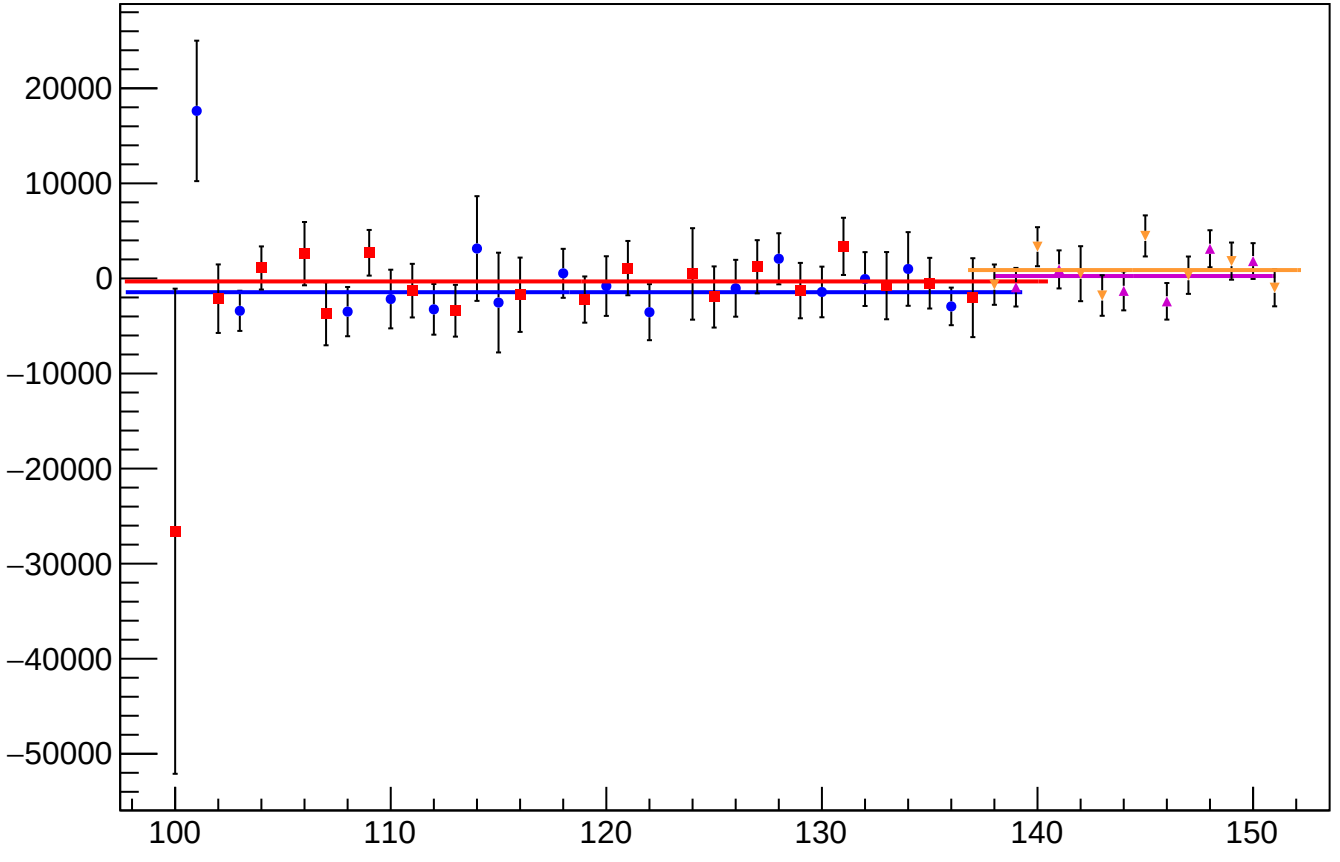
Left In: 3459.774+/-1.073 χ^2/NDF:84000.4/5

+ sign 3599.836+/-0.712 χ^2/NDF: 1101509.7/23

All: 3471.496+/-0.499 χ^2/NDF: 3132665.3/48

- sign 3347.456+/-0.700 χ^2/NDF: 1967328.3/24

cor_asym_atr_dd_mean vs Slug



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 880.469+/-746.426 χ^2/NDF:7.5/7

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

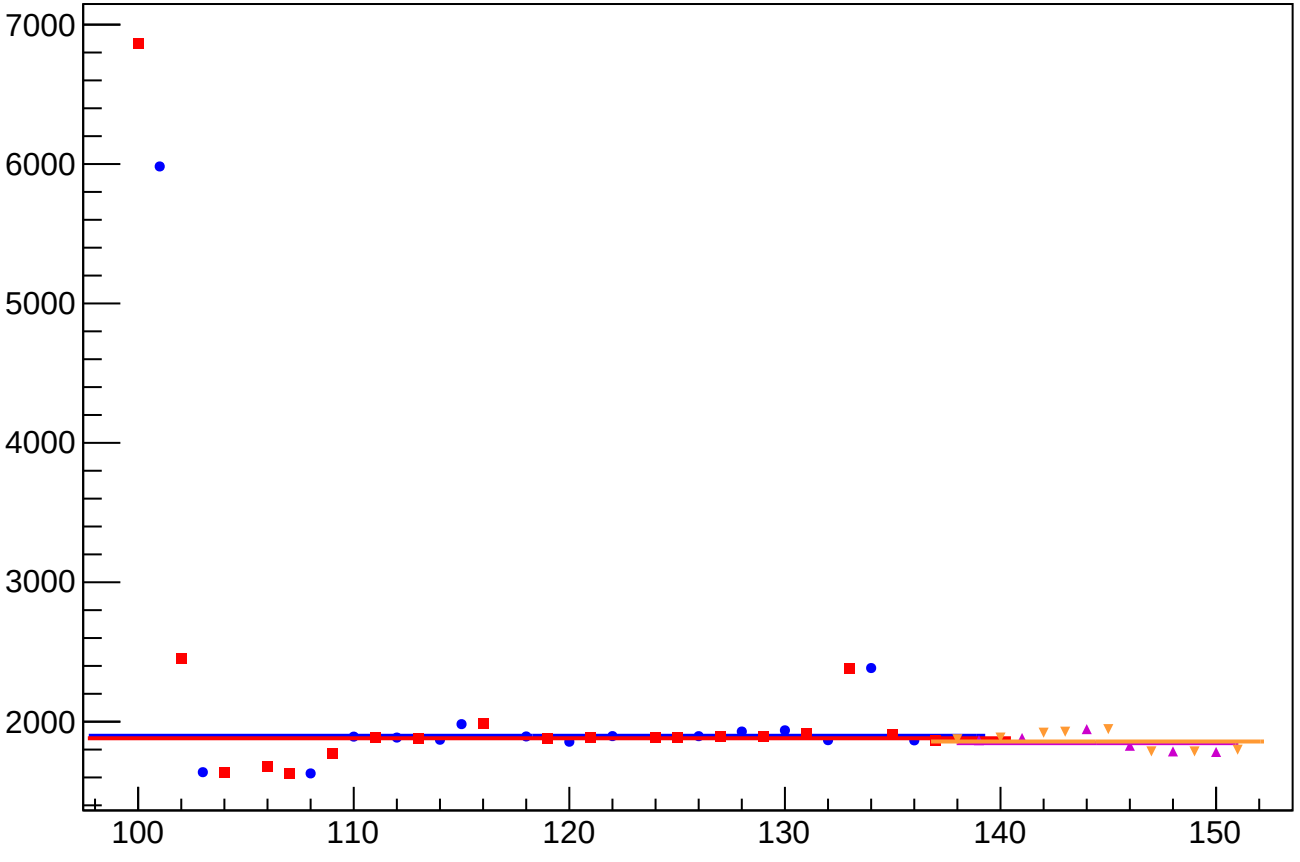
Left In: 253.221+/-804.288 χ^2/NDF:5.8/5

+ sign -320.101+/-519.375 χ^2/NDF: 26.0/23

All: -196.953+/-370.802 χ^2/NDF: 42.1/48

- sign -68.927+/-529.561 χ^2/NDF: 16.0/24

cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1857.788+/-0.528 χ^2/NDF:14039.8/7

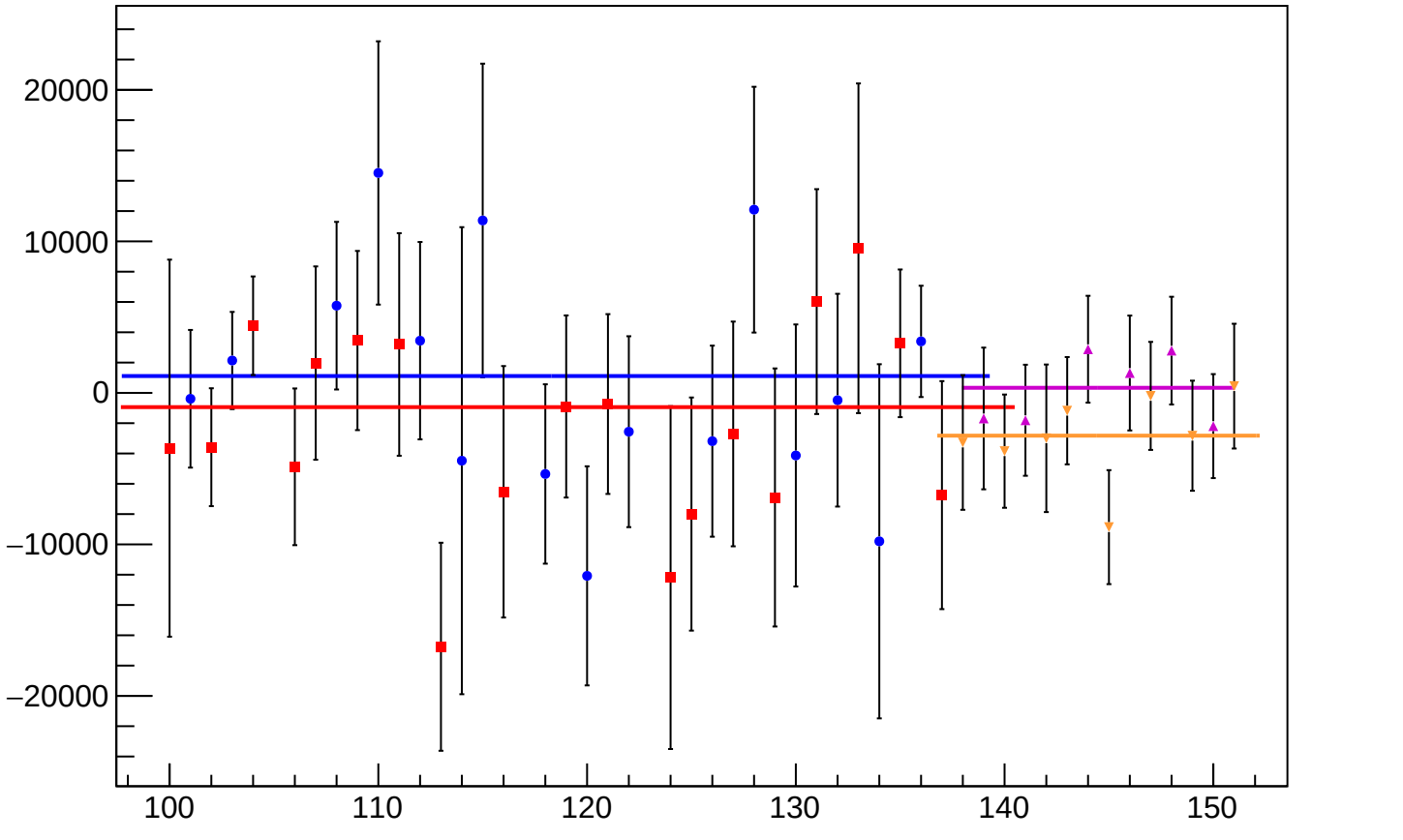
Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1845.975+/-0.569 χ^2/NDF:9994.0/5

+ sign 1878.957+/-0.367 χ^2/NDF: 714672.6/23

All: 1872.523+/-0.262 χ^2/NDF: 944008.7/48

- sign 1865.846+/-0.374 χ^2/NDF: 228710.7/24



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -2823.307+/-1375.836 χ^2/NDF:4.1/7

Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

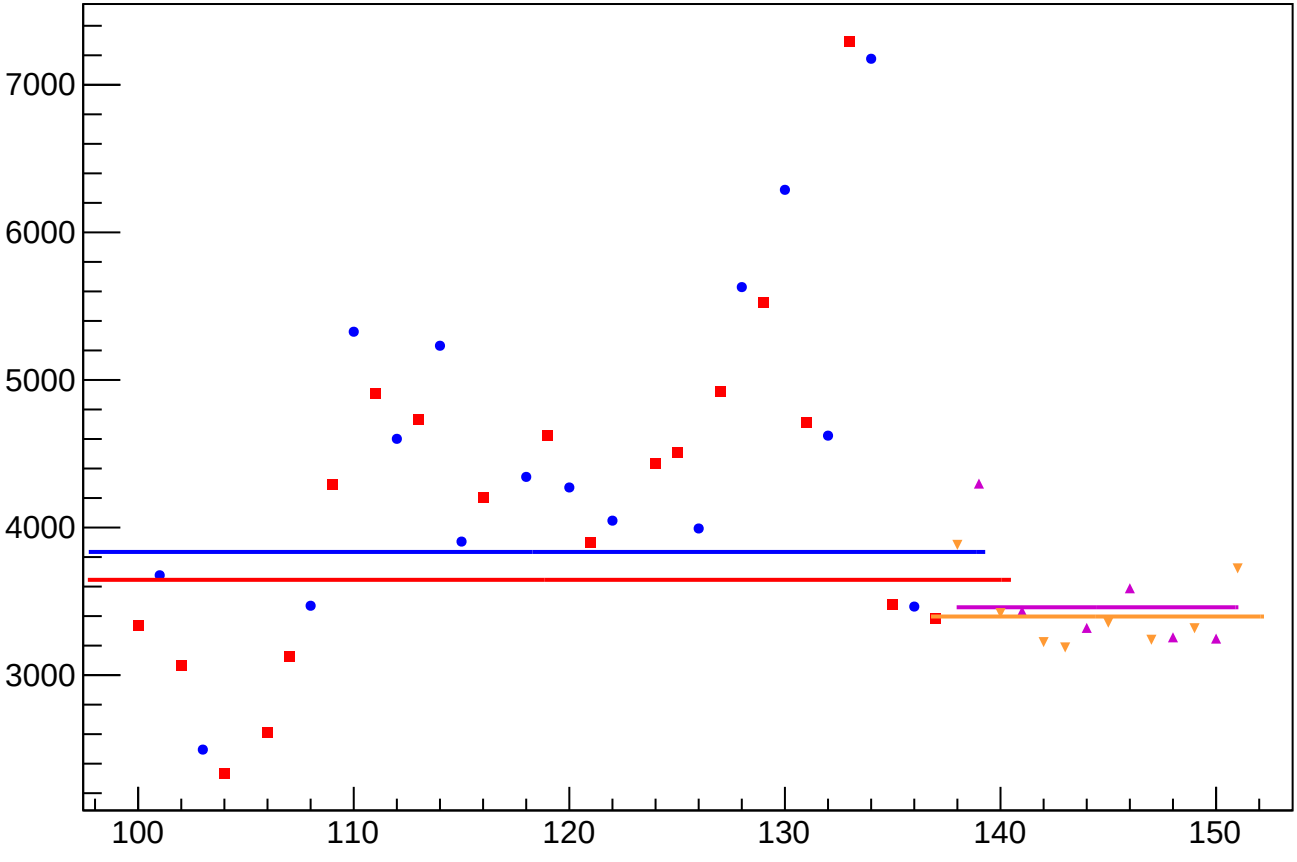
Left In: 335.584+/-1517.507 χ^2/NDF:2.1/5

+ sign -998.473+/-1007.500 χ^2/NDF: 21.2/23

All: -683.078+/-719.750 χ^2/NDF: 40.1/48

- sign -354.342+/-1028.587 χ^2/NDF: 18.7/24

asym_atr_dd_cor_correction_rms vs Slug



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3397.129+/-0.973 χ^2/NDF:51138.2/7

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

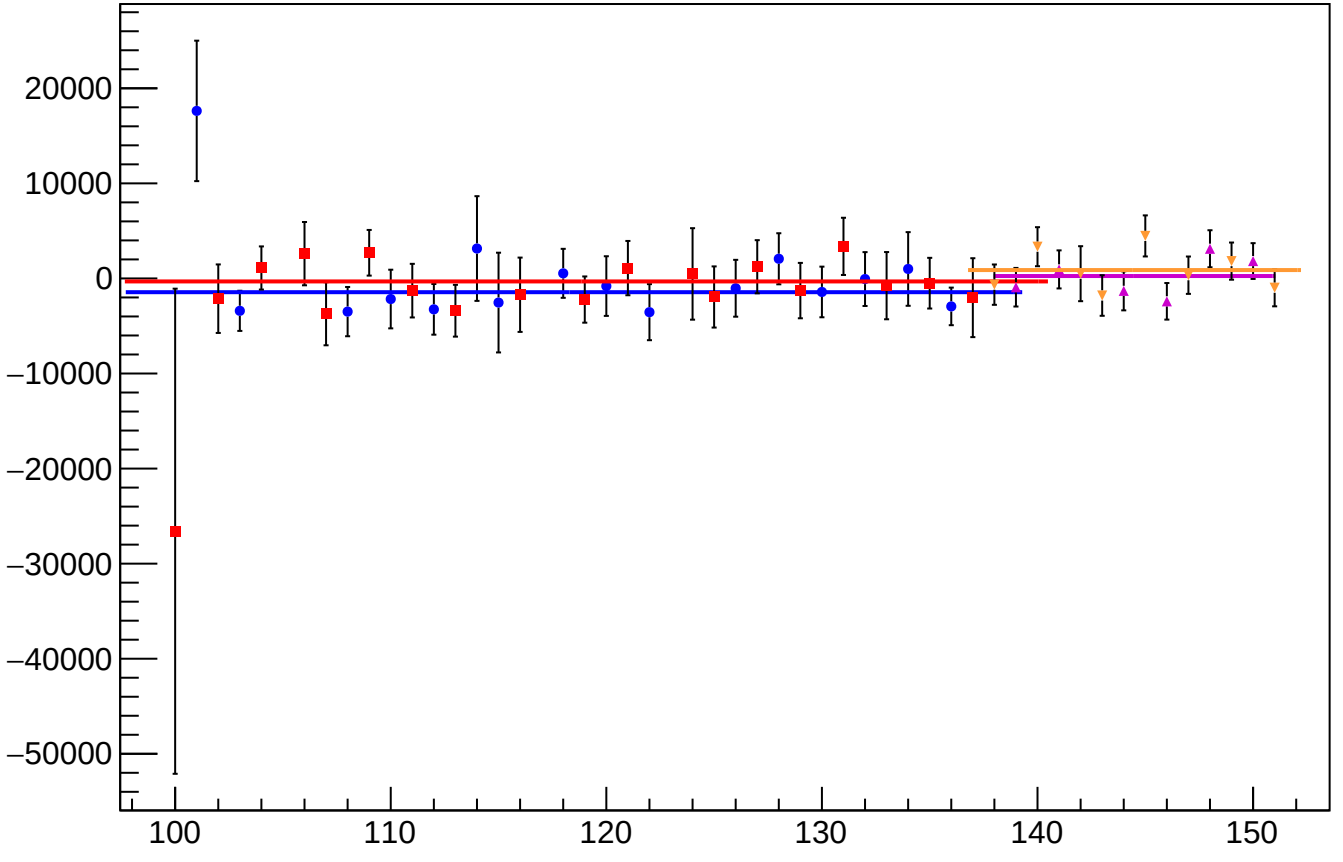
Left In: 3459.763+/-1.073 χ^2/NDF:84000.5/5

+ sign 3600.054+/-0.712 χ^2/NDF: 1101264.7/23

All: 3580.574+/-0.509 χ^2/NDF: 2328002.9/48

- sign 3560.269+/-0.727 χ^2/NDF: 1225211.2/24

eigen_cor_asym_atr_dd_mean vs Slug



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 880.469+/-746.426 χ^2/NDF:7.5/7

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

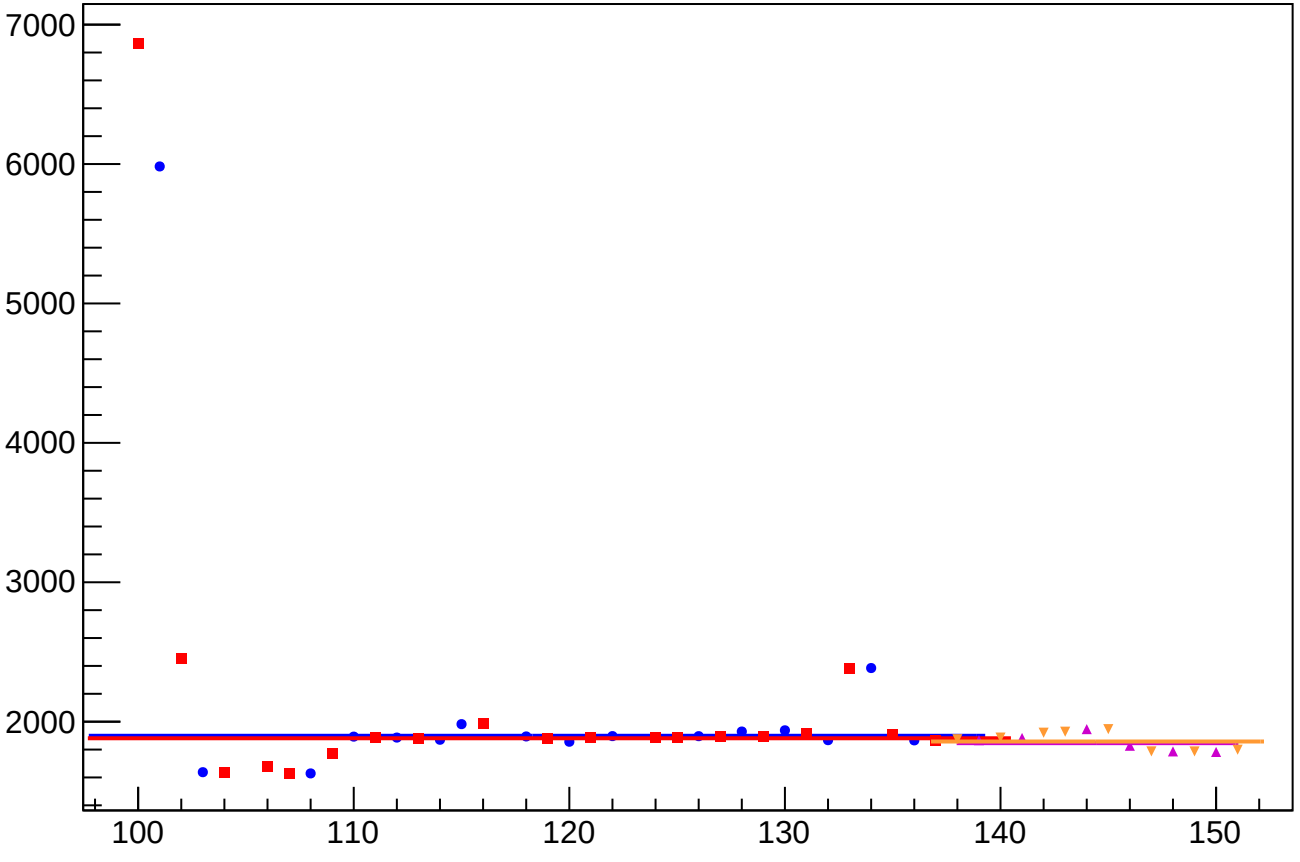
Left In: 253.221+/-804.288 χ^2/NDF:5.8/5

+ sign -320.101+/-519.375 χ^2/NDF: 26.0/23

All: -196.953+/-370.802 χ^2/NDF: 42.1/48

- sign -68.927+/-529.561 χ^2/NDF: 16.0/24

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1857.788+/-0.528 χ^2/NDF:14039.8/7

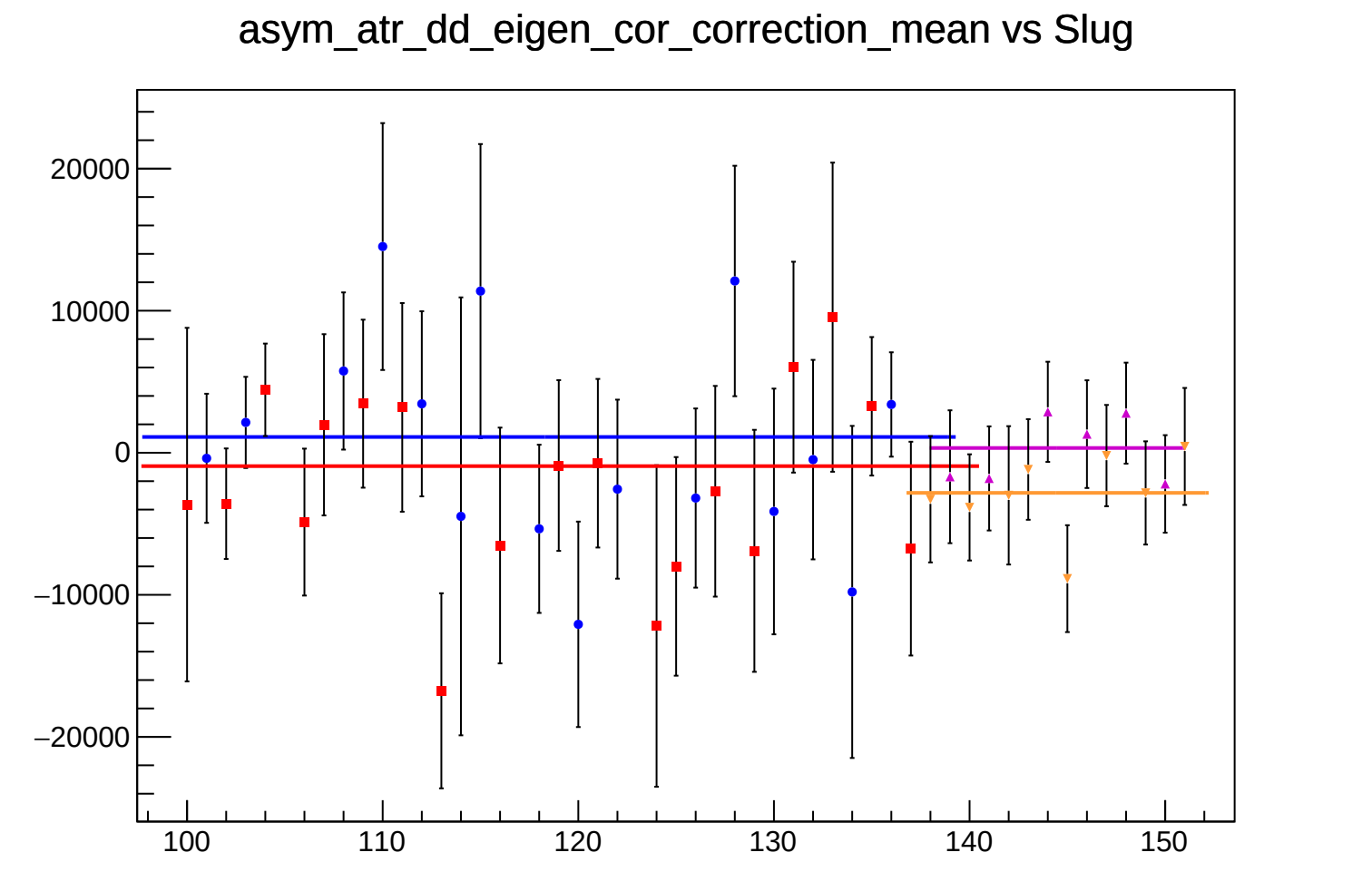
Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1845.975+/-0.569 χ^2/NDF:9994.0/5

+ sign 1878.957+/-0.367 χ^2/NDF: 714672.6/23

All: 1872.523+/-0.262 χ^2/NDF: 944008.7/48

- sign 1865.846+/-0.374 χ^2/NDF: 228710.7/24



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -2823.307+/-1375.836 χ^2/NDF:4.1/7

Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

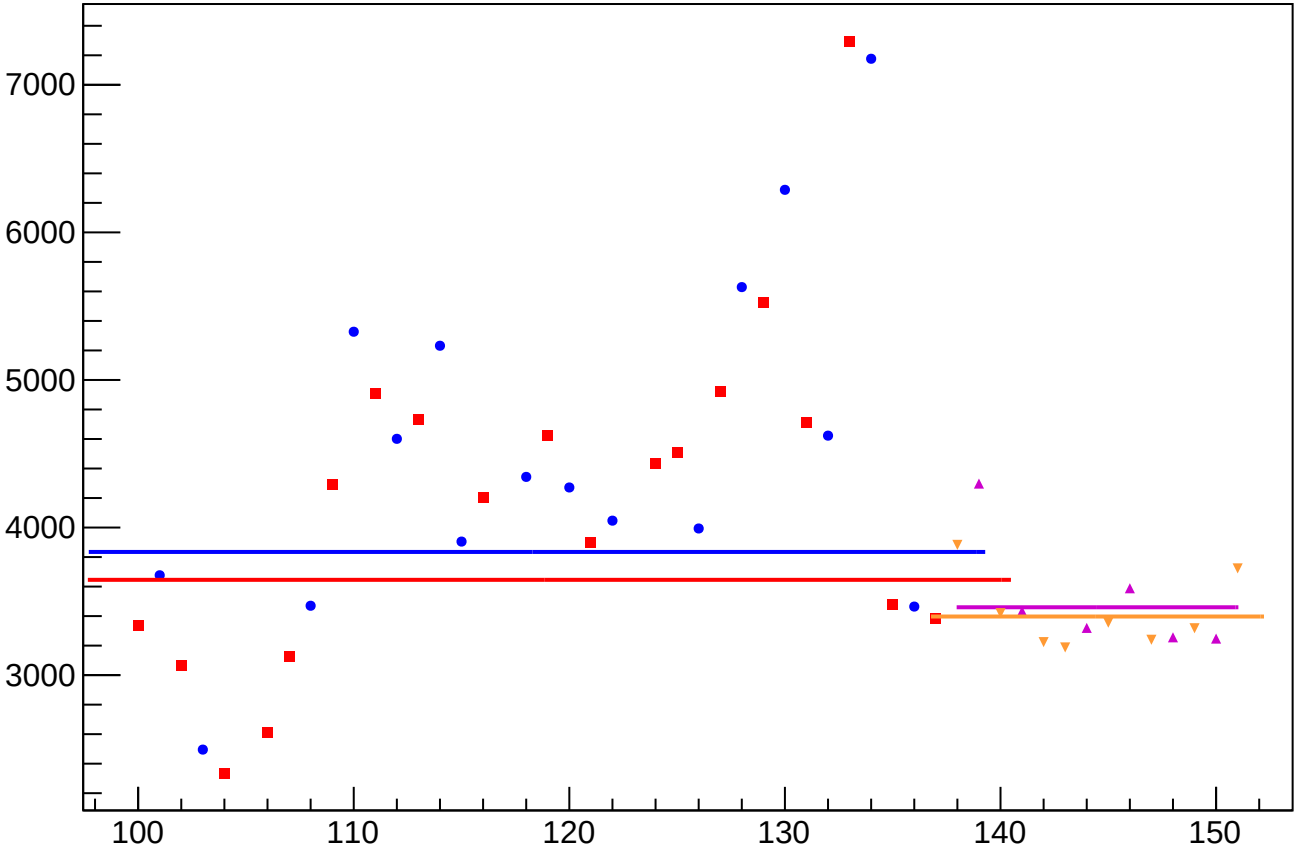
Left In: 335.584+/-1517.507 χ^2/NDF:2.1/5

+ sign -998.473+/-1007.500 χ^2/NDF: 21.2/23

All: -683.078+/-719.750 χ^2/NDF: 40.1/48

- sign -354.342+/-1028.587 χ^2/NDF: 18.7/24

asym_atr_dd_eigen_cor_correction_rms vs Slug



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3397.129+/-0.973 χ^2/NDF:51138.2/7

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

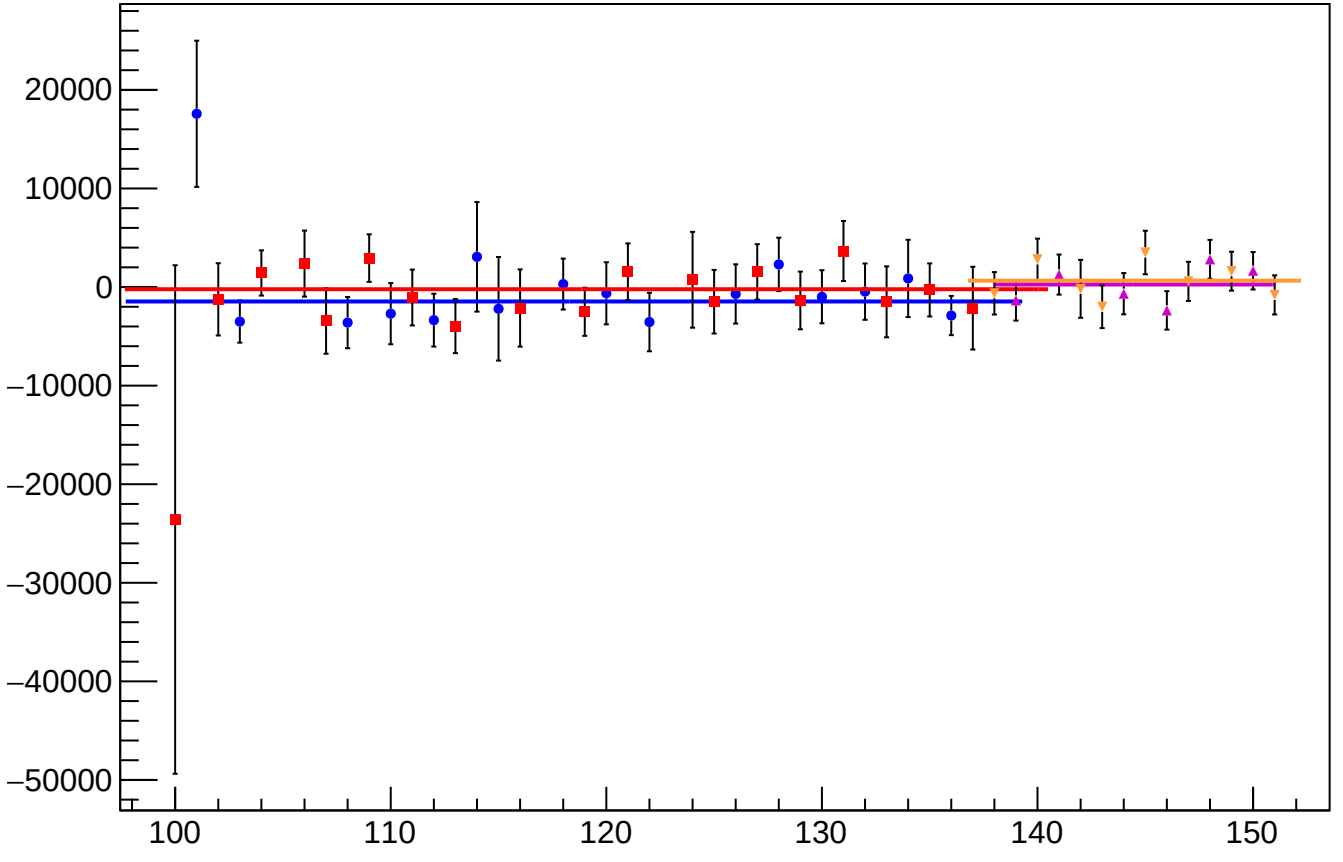
Left In: 3459.763+/-1.073 χ^2/NDF:84000.5/5

+ sign 3600.054+/-0.712 χ^2/NDF: 1101264.7/23

All: 3580.574+/-0.509 χ^2/NDF: 2328002.9/48

- sign 3560.269+/-0.727 χ^2/NDF: 1225211.2/24

dit_asym_atr_dd_mean vs Slug



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 649.280+/-758.010 χ^2/NDF:5.4/7

Right Out: -219.726+/-708.852 χ^2/NDF: 10.8/18

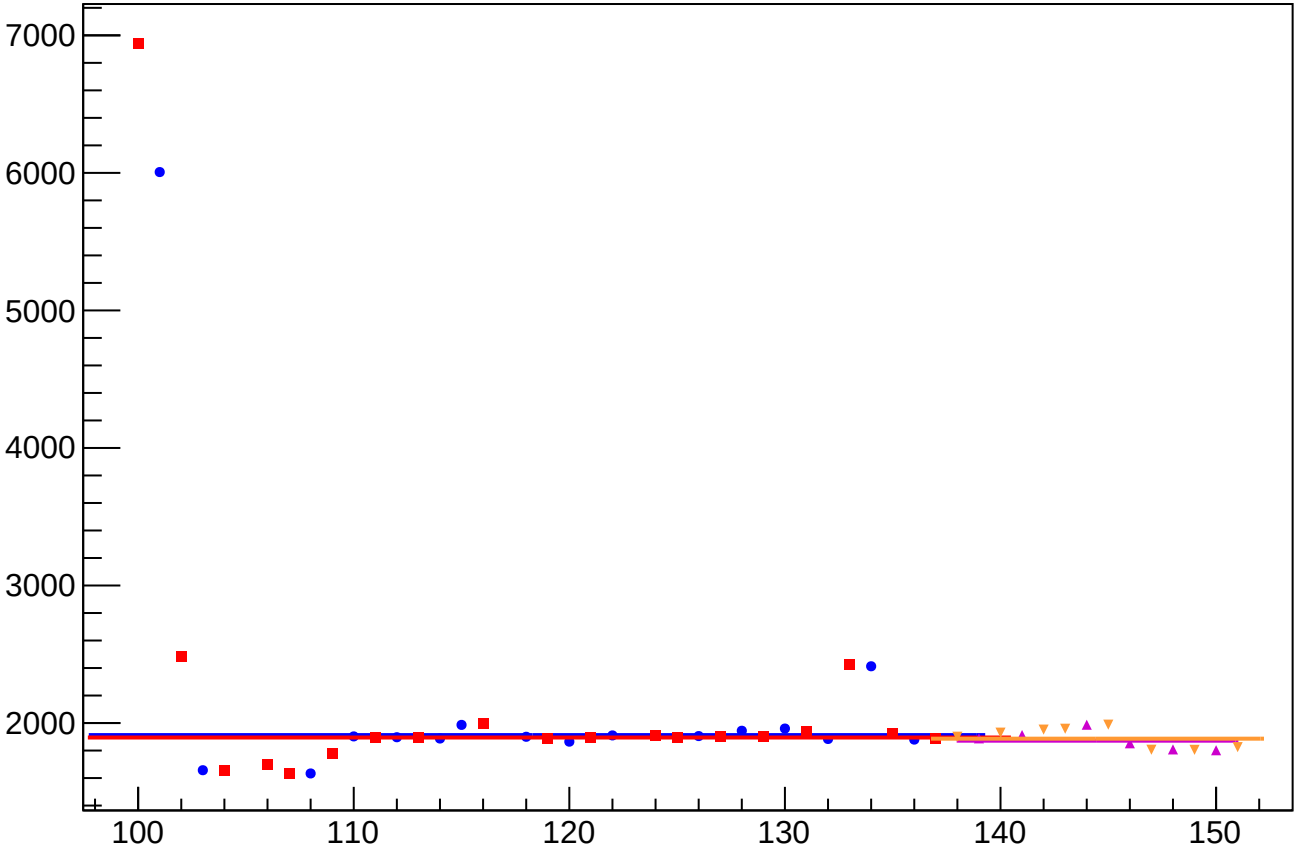
Left In: 260.101+/-815.602 χ^2/NDF:5.1/5

+ sign -448.916+/-525.165 χ^2/NDF: 23.0/23

All: -235.133+/-374.784 χ^2/NDF: 39.5/48

- sign -13.248+/-535.023 χ^2/NDF: 16.1/24

dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1886.335+/-0.536 χ^2/NDF:17042.5/7

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

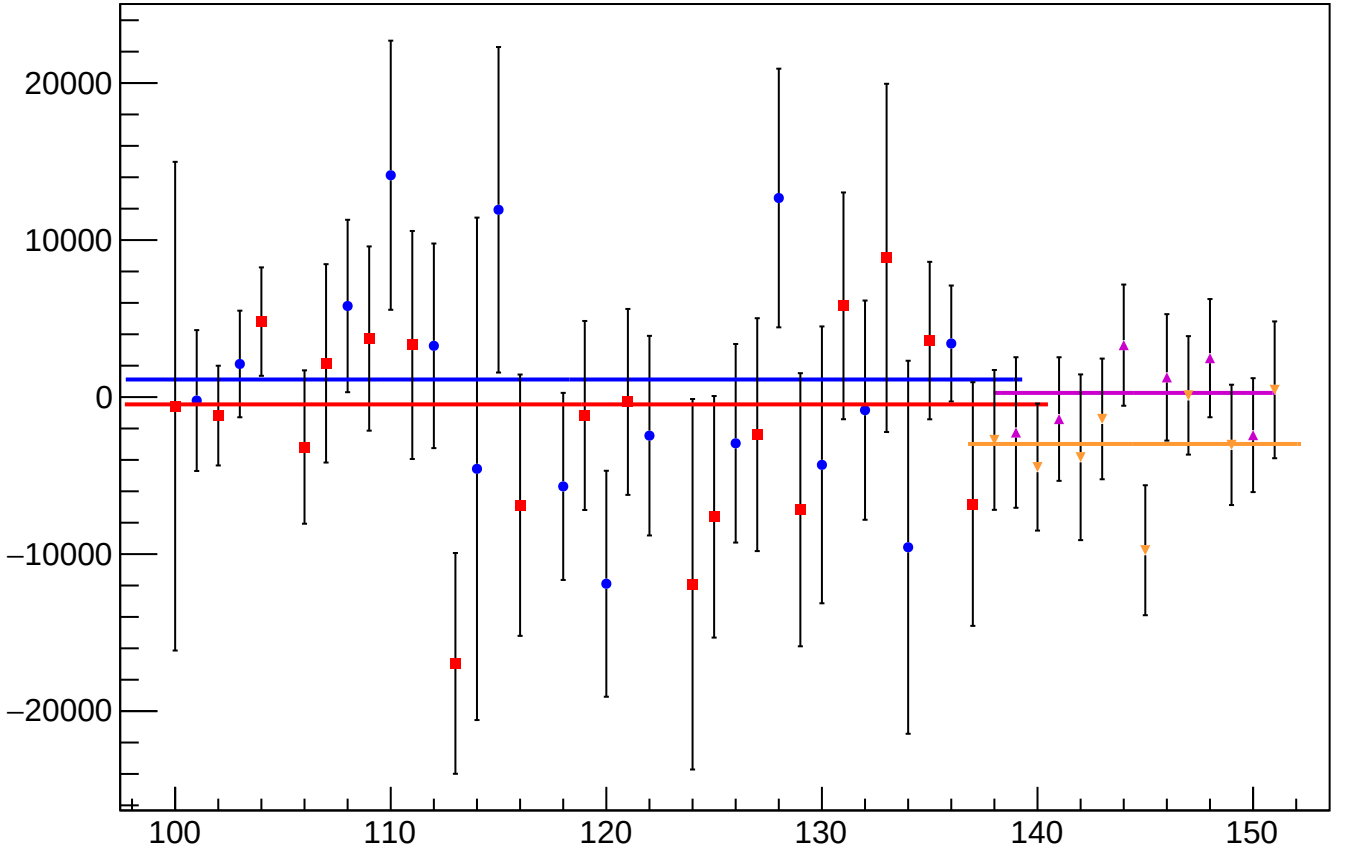
Left In: 1871.735+/-0.577 χ^2/NDF:12022.3/5

\+ sign 1899.877+/-0.371 χ^2/NDF: 714490.4/23

All: 1892.507+/-0.265 χ^2/NDF: 948005.7/48

\- sign 1884.867+/-0.378 χ^2/NDF: 232713.0/24

asym_atr_dd_dit_correction_mean vs Slug



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

Left Out: -2984.697+/-1466.973 χ^2/NDF:4.3/7

Right Out: -464.368+/-1370.818 χ^2/NDF: 15.0/18

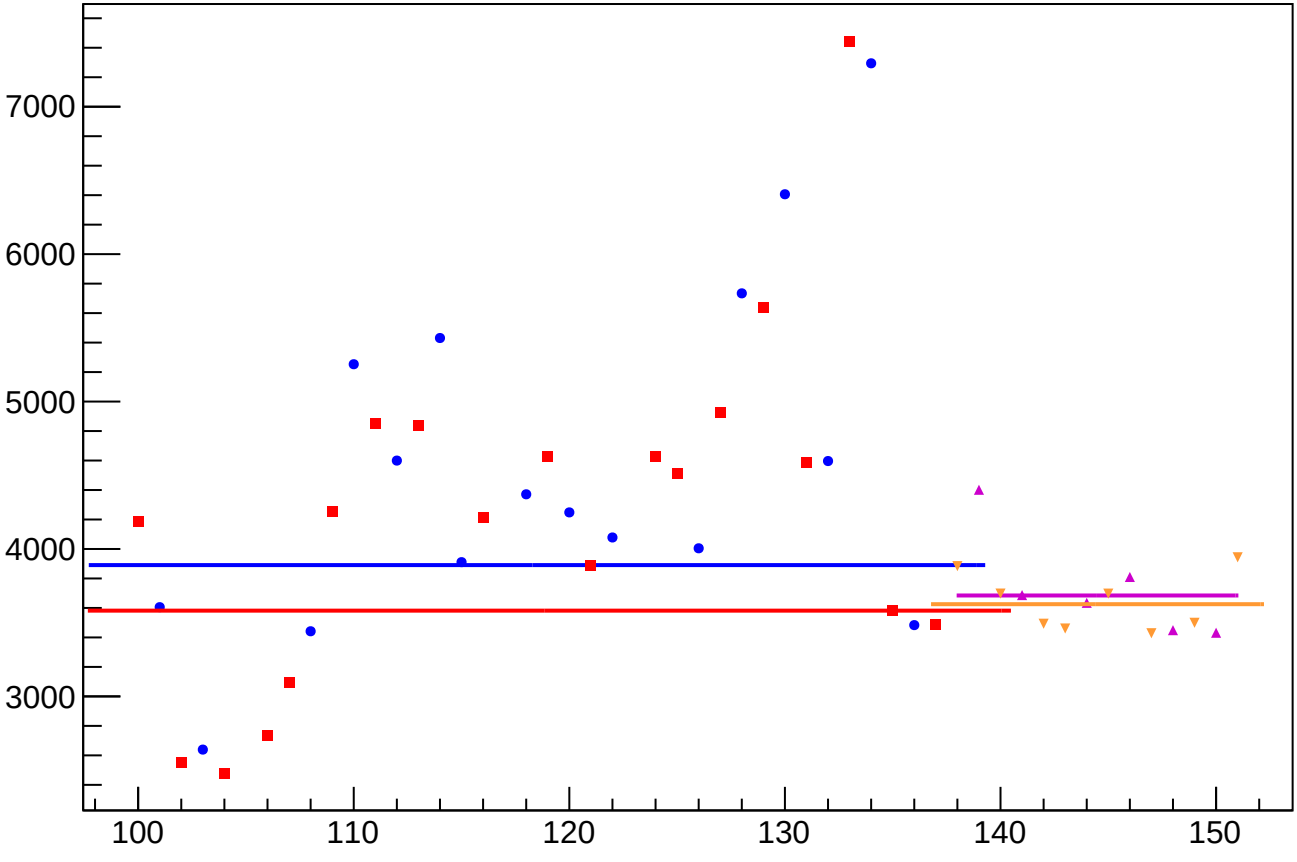
Left In: 266.046+/-1614.847 χ^2/NDF:2.0/5

+ sign -974.762+/-1047.991 χ^2/NDF: 21.6/23

All: -565.468+/-740.001 χ^2/NDF: 39.1/48

- sign -158.464+/-1045.055 χ^2/NDF: 17.2/24

asym_atr_dd_dit_correction_rms vs Slug



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 3625.521+/-1.037 χ^2/NDF:31183.7/7

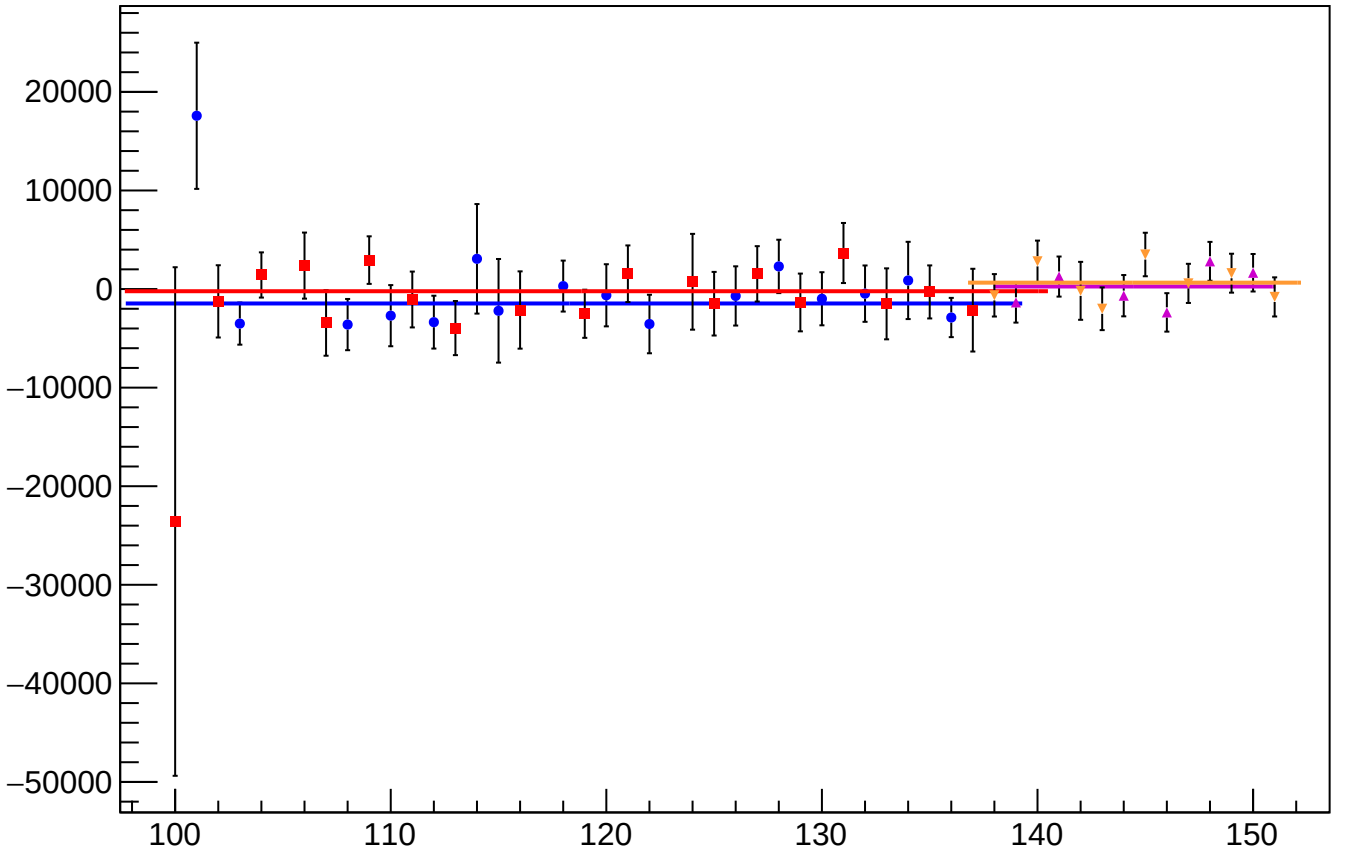
Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

Left In: 3684.584+/-1.142 χ^2/NDF:64551.2/5

+ sign 3755.369+/-0.741 χ^2/NDF: 941603.5/23

All: 3689.919+/-0.523 χ^2/NDF: 2248278.6/48

- sign 3624.835+/-0.739 χ^2/NDF: 1291117.3/24



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 649.280+/-758.010 χ^2/NDF:5.4/7

Right Out: -219.720+/-708.852 χ^2/NDF: 10.8/18

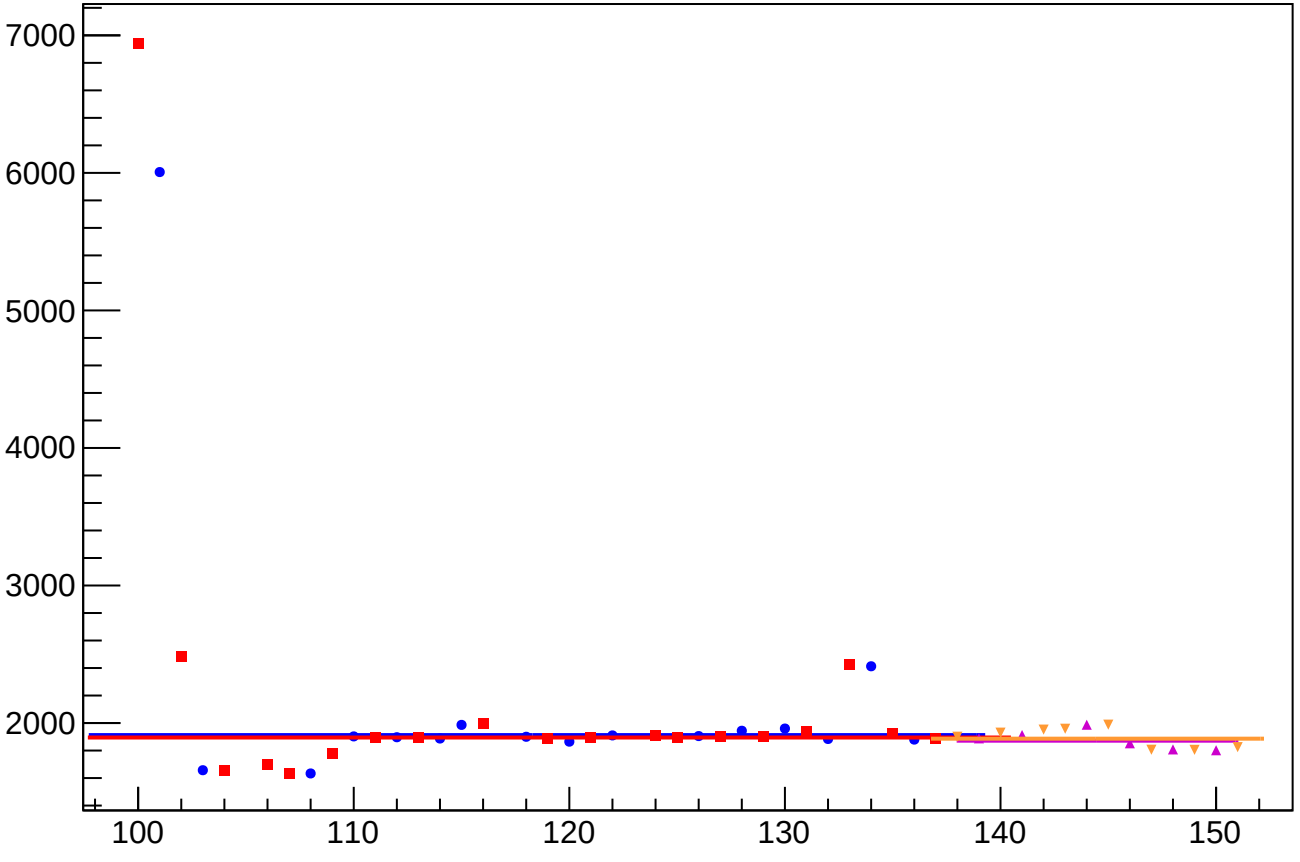
Left In: 260.098+/-815.602 χ^2/NDF:5.1/5

+ sign -448.919+/-525.165 χ^2/NDF: 23.0/23

All: -235.133+/-374.785 χ^2/NDF: 39.5/48

- sign -13.246+/-535.023 χ^2/NDF: 16.1/24

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1886.335+/-0.536 χ^2/NDF:17042.6/7

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

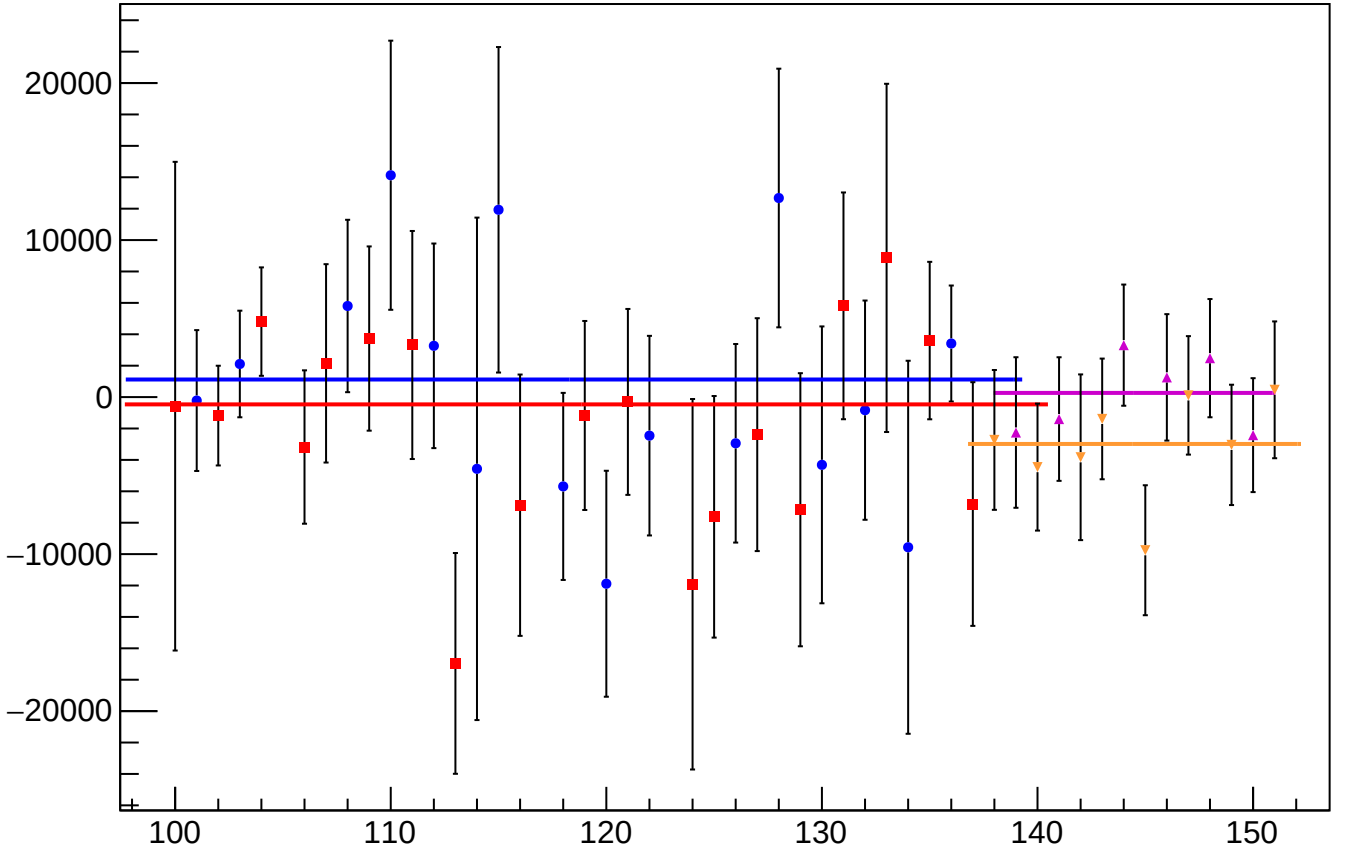
Left In: 1871.736+/-0.577 χ^2/NDF:12022.2/5

+ sign 1899.878+/-0.371 χ^2/NDF: 714490.3/23

All: 1892.507+/-0.265 χ^2/NDF: 948005.5/48

- sign 1884.867+/-0.378 χ^2/NDF: 232712.9/24

asym_atr_dd_eigen_dit_correction_mean vs Slug



Right In: 1120.159+/-1497.669 χ^2/NDF: 13.5/15

Left Out: -2984.699+/-1466.975 χ^2/NDF:4.3/7

Right Out: -464.367+/-1370.817 χ^2/NDF: 15.0/18

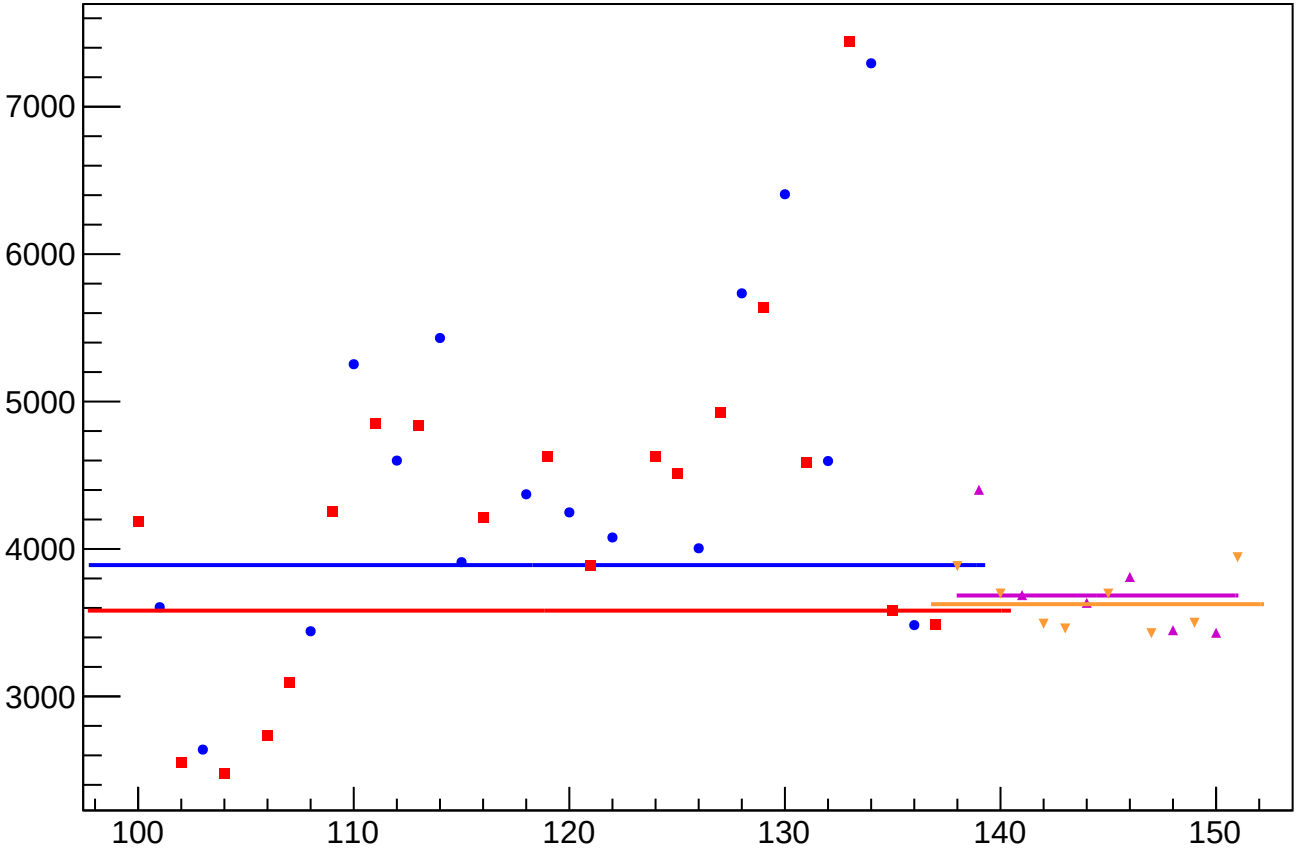
Left In: 266.043+/-1614.849 χ^2/NDF:2.0/5

+ sign -974.765+/-1047.991 χ^2/NDF: 21.6/23

All: -565.470+/-740.001 χ^2/NDF: 39.1/48

- sign -158.466+/-1045.055 χ^2/NDF: 17.2/24

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 3625.527+/-1.037 χ^2/NDF:31183.6/7

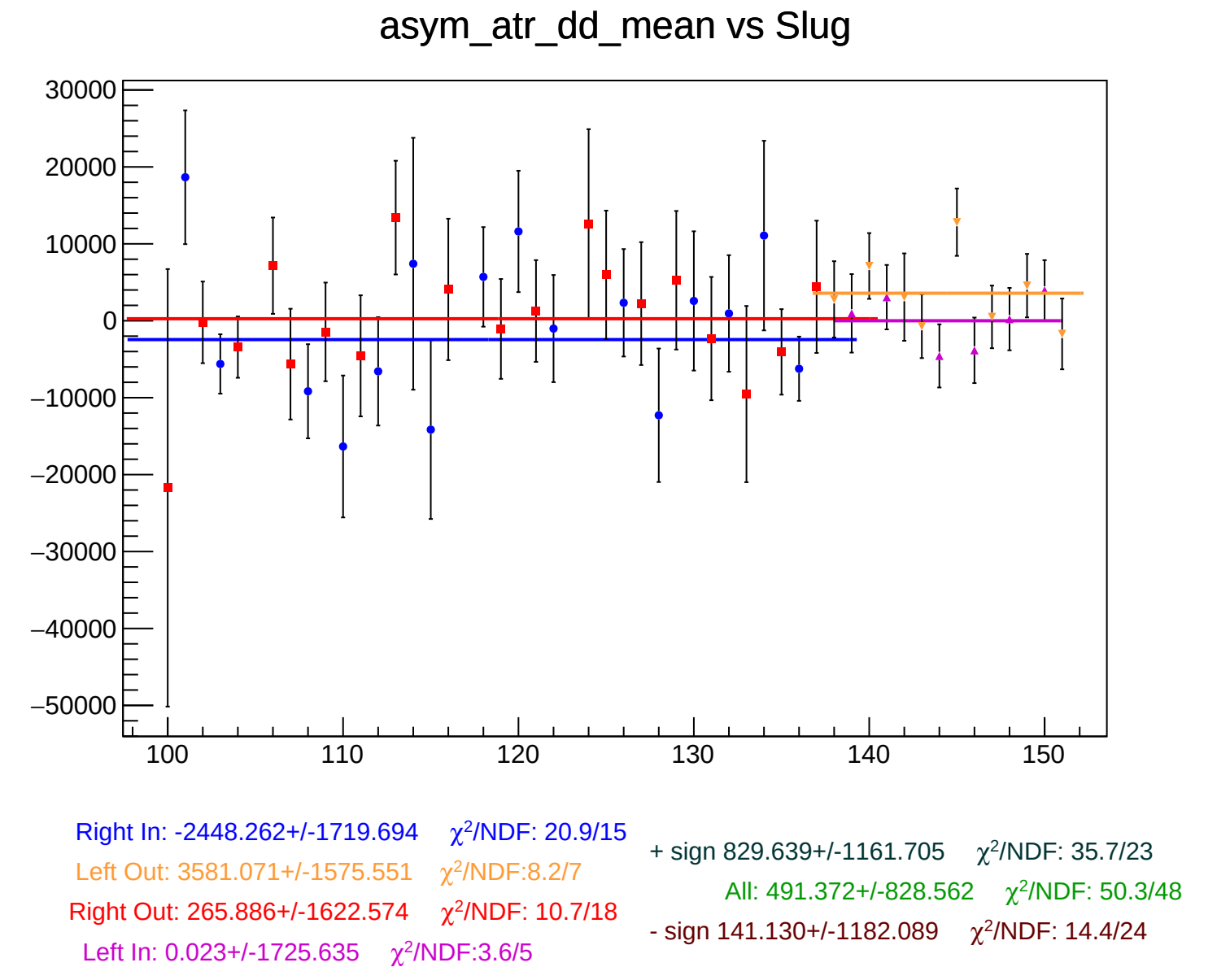
Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

Left In: 3684.589+/-1.142 χ^2/NDF:64551.6/5

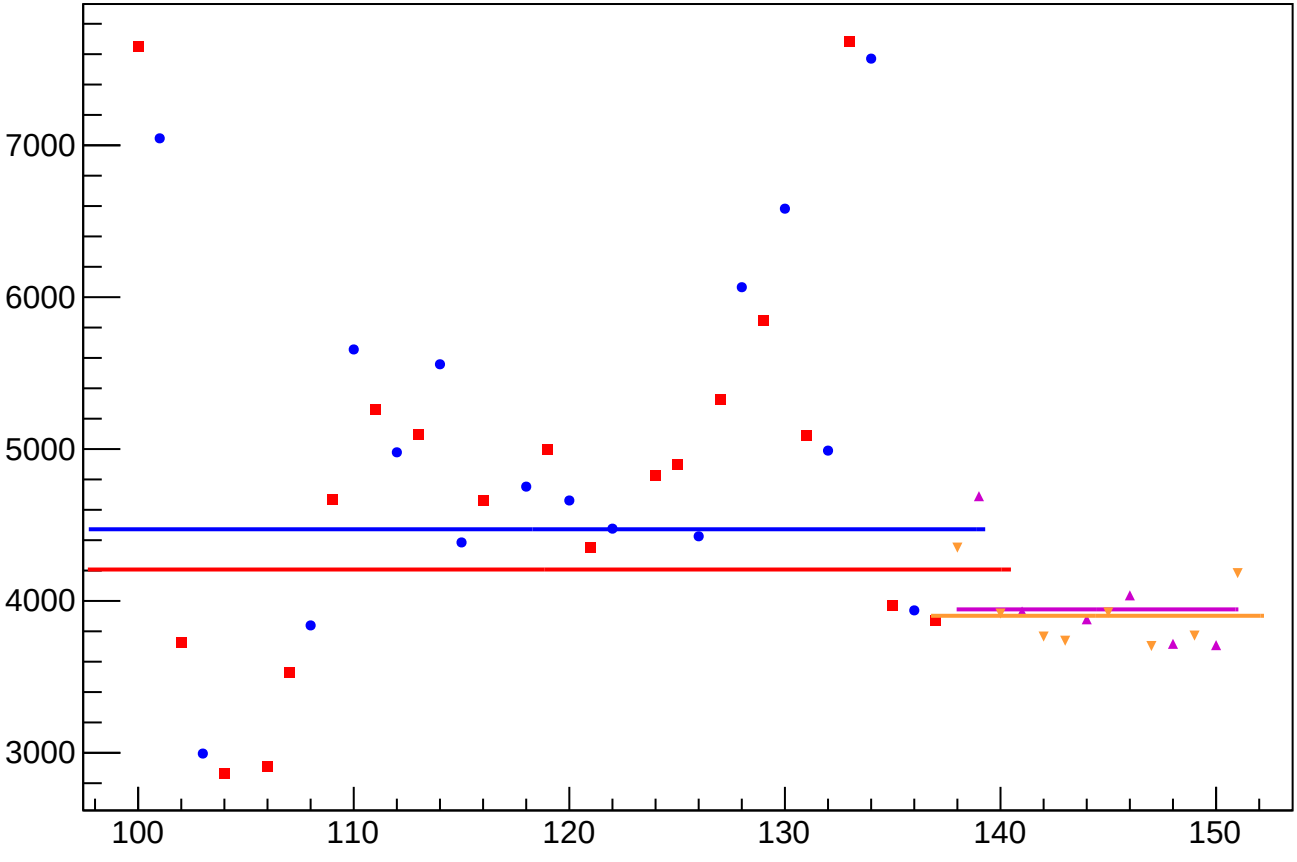
+ sign 3755.371+/-0.741 χ^2/NDF: 941592.6/23

All: 3689.920+/-0.523 χ^2/NDF: 2248260.4/48

- sign 3624.836+/-0.739 χ^2/NDF: 1291109.8/24


asym_atr_dd_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
Right In: -2448.262+/-1719.694 χ²/NDF: 20.9/15
Left Out: 3581.071+/-1575.551 χ²/NDF:8.2/7
Right Out: 265.886+/-1622.574 χ²/NDF: 10.7/18
Left In: 0.023+/-1725.635 χ²/NDF:3.6/5
+ sign 829.639+/-1161.705 χ²/NDF: 35.7/23
All: 491.372+/-828.562 χ²/NDF: 50.3/48
- sign 141.130+/-1182.089 χ²/NDF: 14.4/24

asym_atr_dd_rms vs Slug



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 3902.315+/-1.114 χ^2/NDF:34966.3/7

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

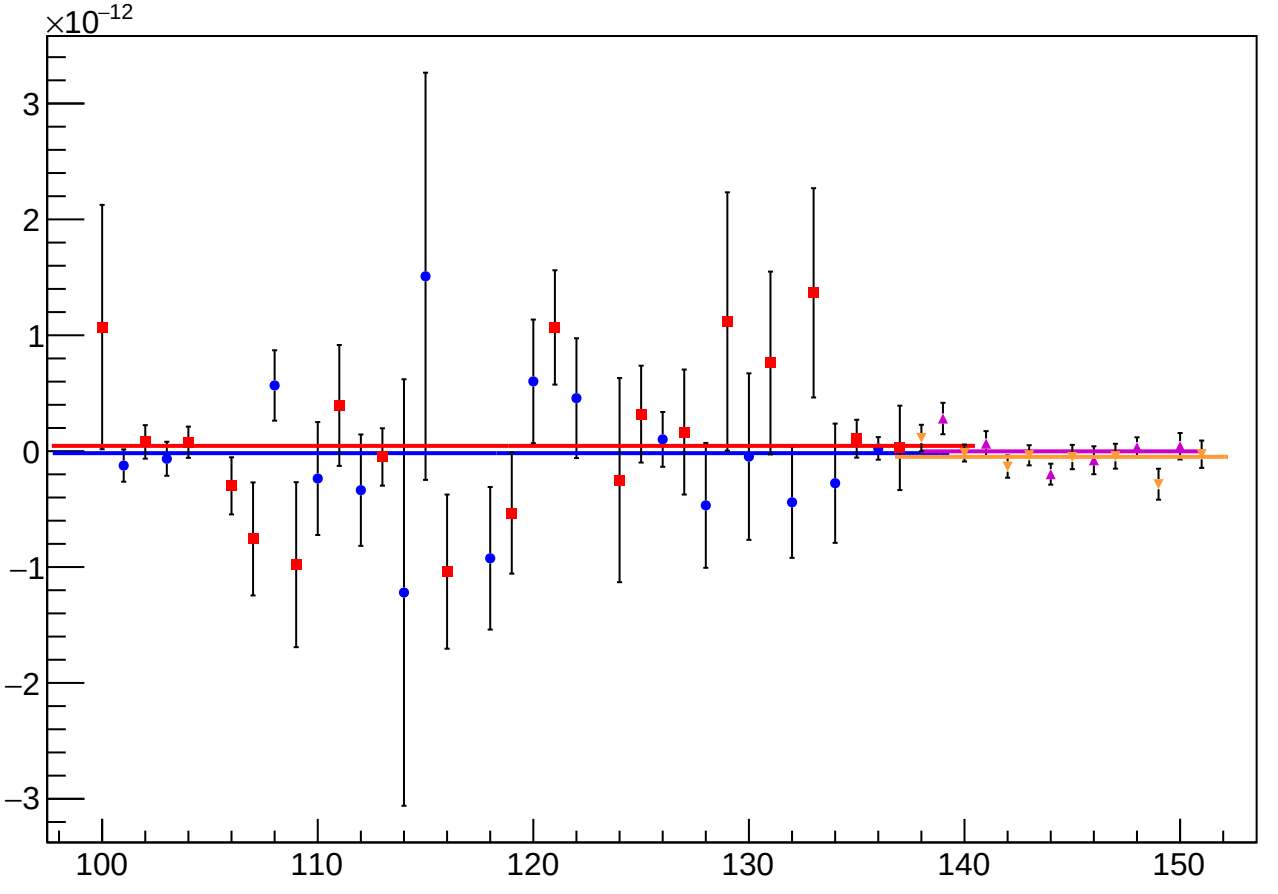
Left In: 3944.406+/-1.220 χ^2/NDF:57630.4/5

+ sign 4162.242+/-0.821 χ^2/NDF: 1045927.5/23

All: 4124.025+/-0.585 χ^2/NDF: 1979221.2/48

- sign 4084.799+/-0.832 χ^2/NDF: 928907.6/24

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:6.2/7

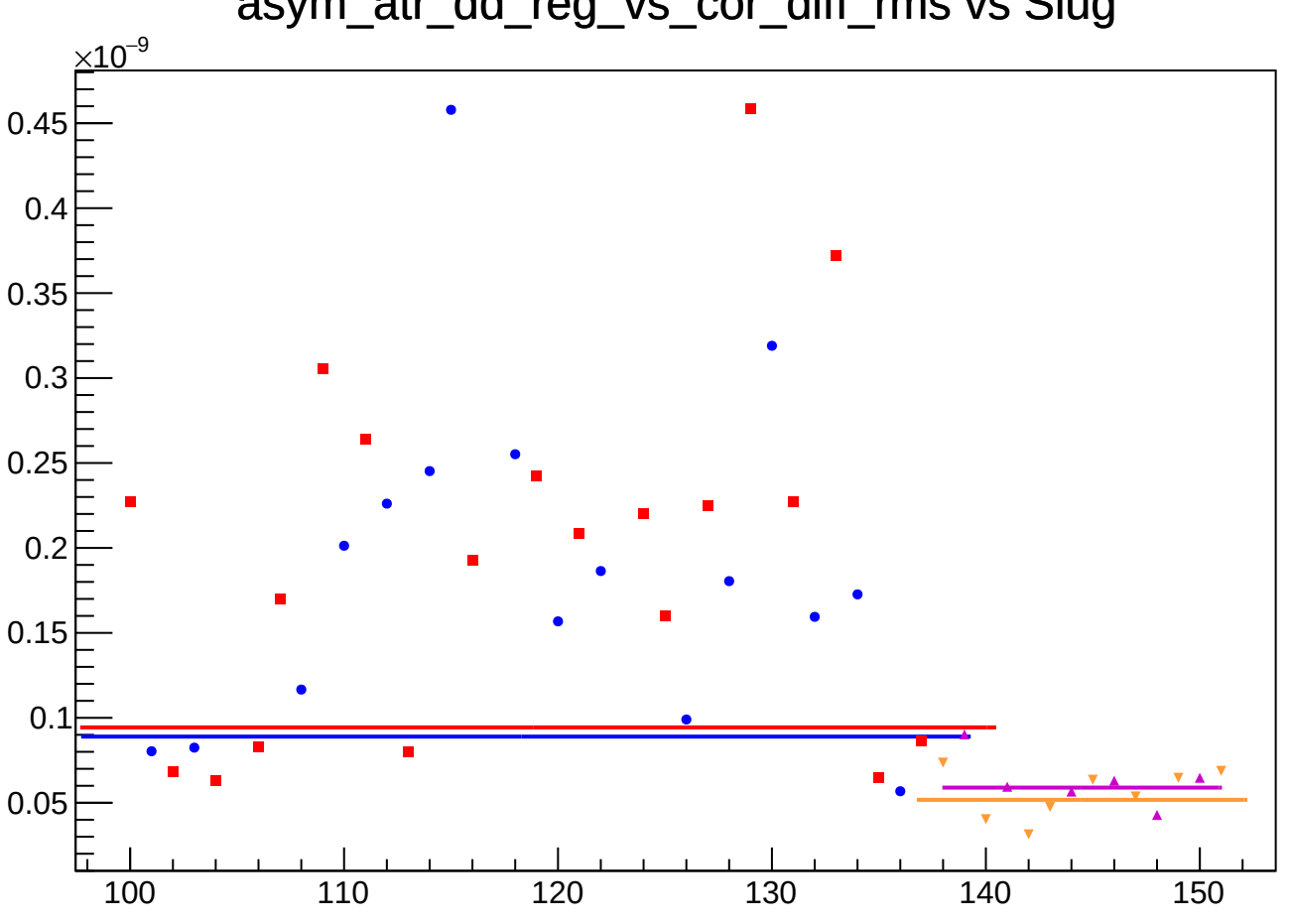
Right Out: 0.000+/-0.000 χ^2/NDF: 21.2/18

Left In: -0.000+/-0.000 χ^2/NDF:10.2/5

+ sign -0.000+/-0.000 χ^2/NDF: 19.1/23

All: -0.000+/-0.000 χ^2/NDF: 52.2/48

- sign 0.000+/-0.000 χ^2/NDF: 31.8/24



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:302422.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

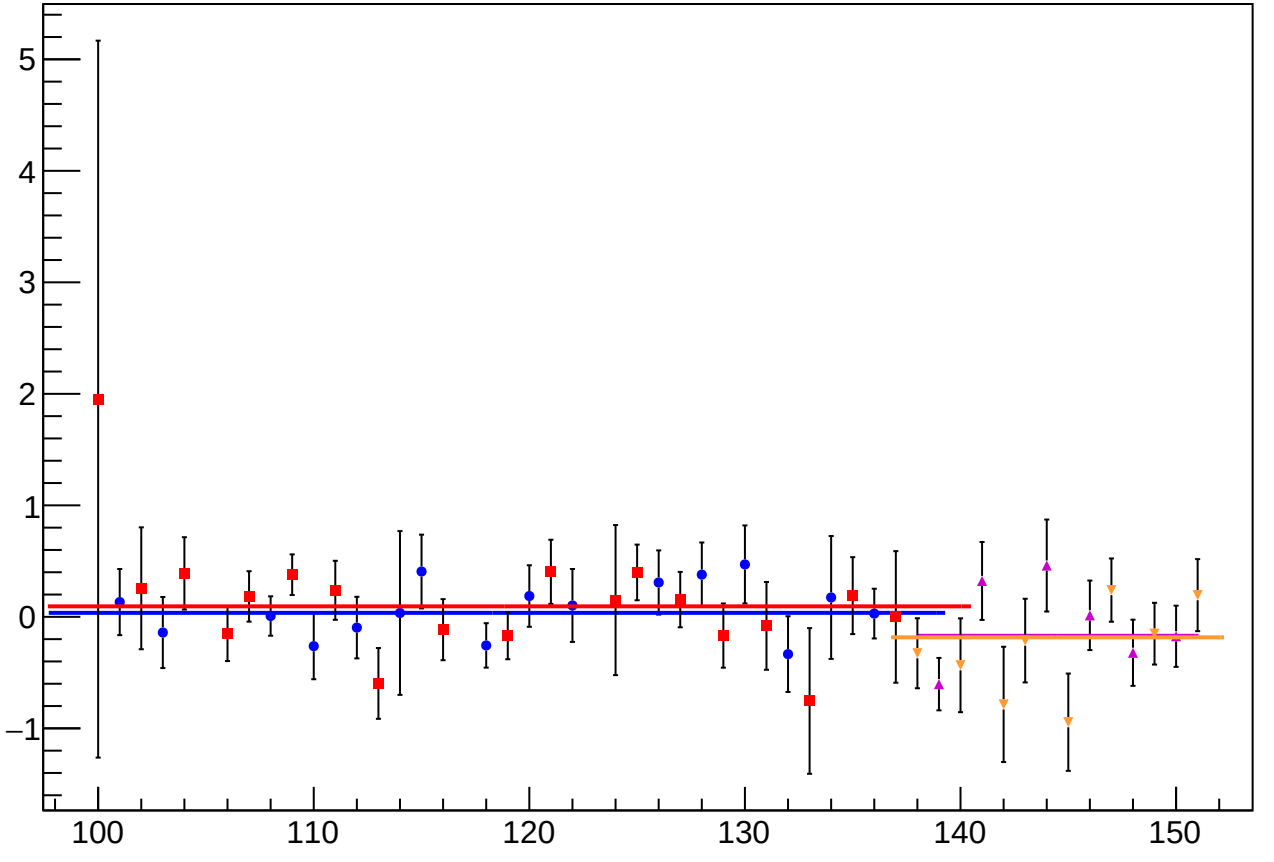
Left In: 0.000+/-0.000 χ^2/NDF:186241.4/5

+ sign 0.000+/-0.000 χ^2/NDF: 2084938.5/23

All: 0.000+/-0.000 χ^2/NDF: 4411975.7/48

- sign 0.000+/-0.000 χ^2/NDF: 2269242.3/24

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.184+/-0.122 χ^2/NDF:8.6/7

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

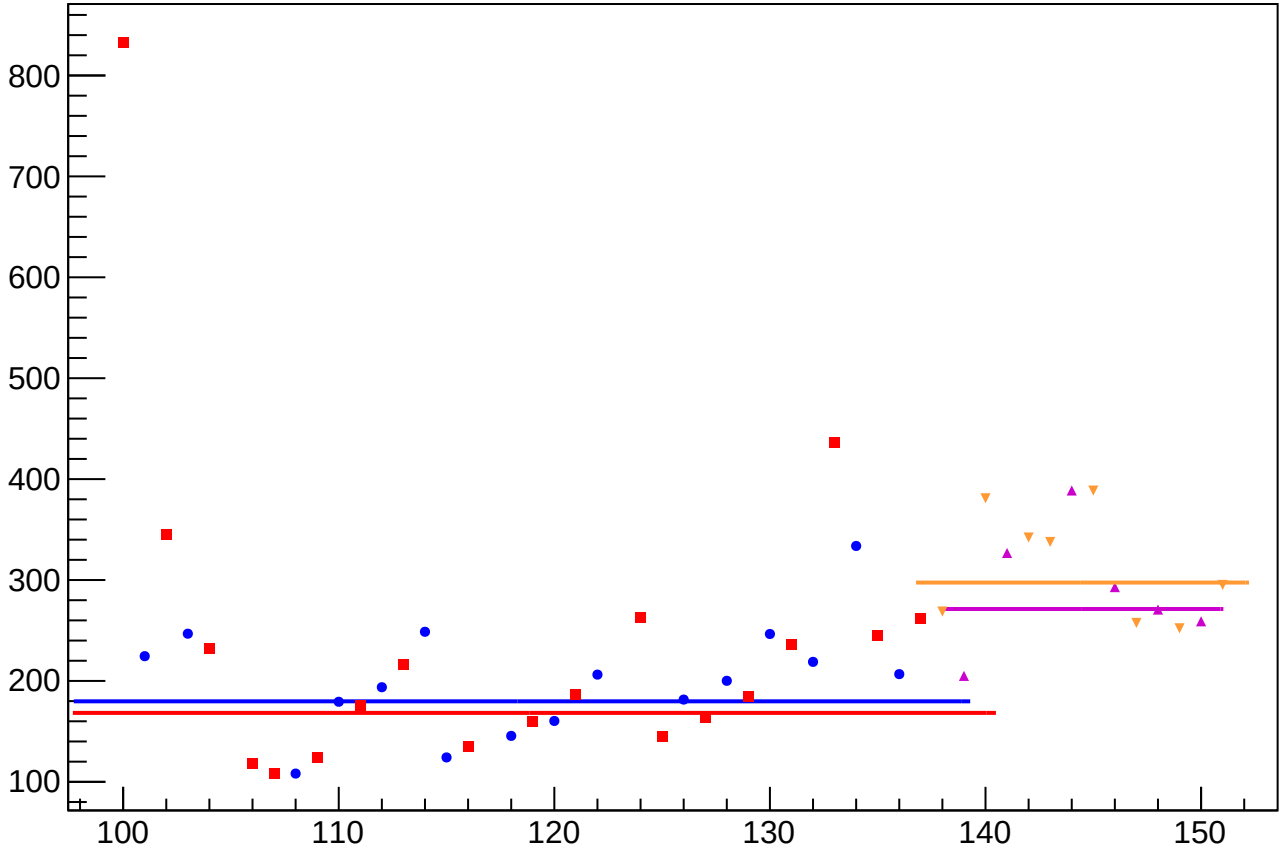
Left In: -0.170+/-0.122 χ^2/NDF:8.3/5

+ sign -0.019+/-0.061 χ^2/NDF: 21.5/23

All: 0.007+/-0.043 χ^2/NDF: 51.4/48

- sign 0.032+/-0.059 χ^2/NDF: 29.5/24

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 297.505+/-0.086 χ^2/NDF:314197.7/7

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

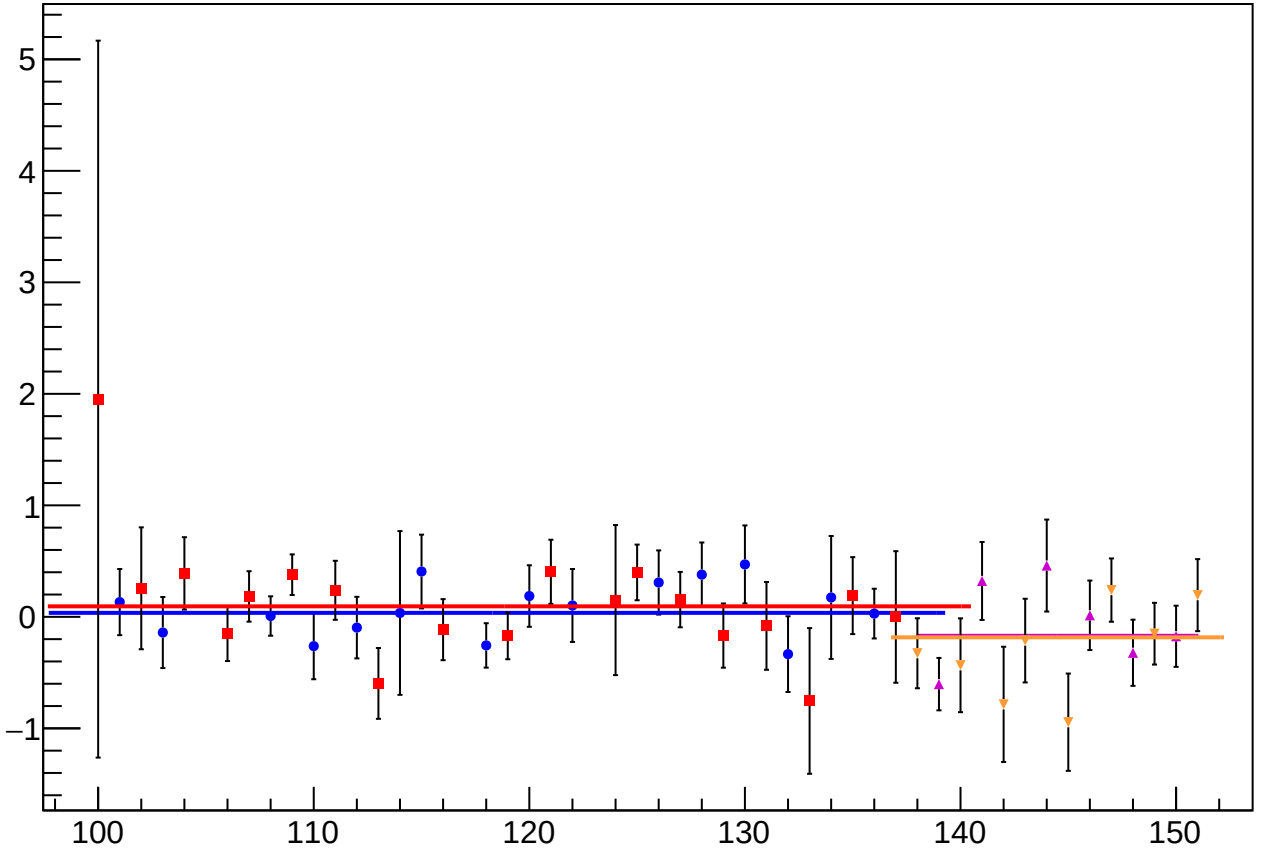
Left In: 271.296+/-0.086 χ^2/NDF:385230.6/5

+ sign 209.230+/-0.043 χ^2/NDF: 2623775.2/23

All: 200.602+/-0.030 χ^2/NDF: 5584231.6/48

- sign 192.519+/-0.042 χ^2/NDF: 2883265.6/24

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: -0.184+/-0.122 χ^2/NDF:8.6/7

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

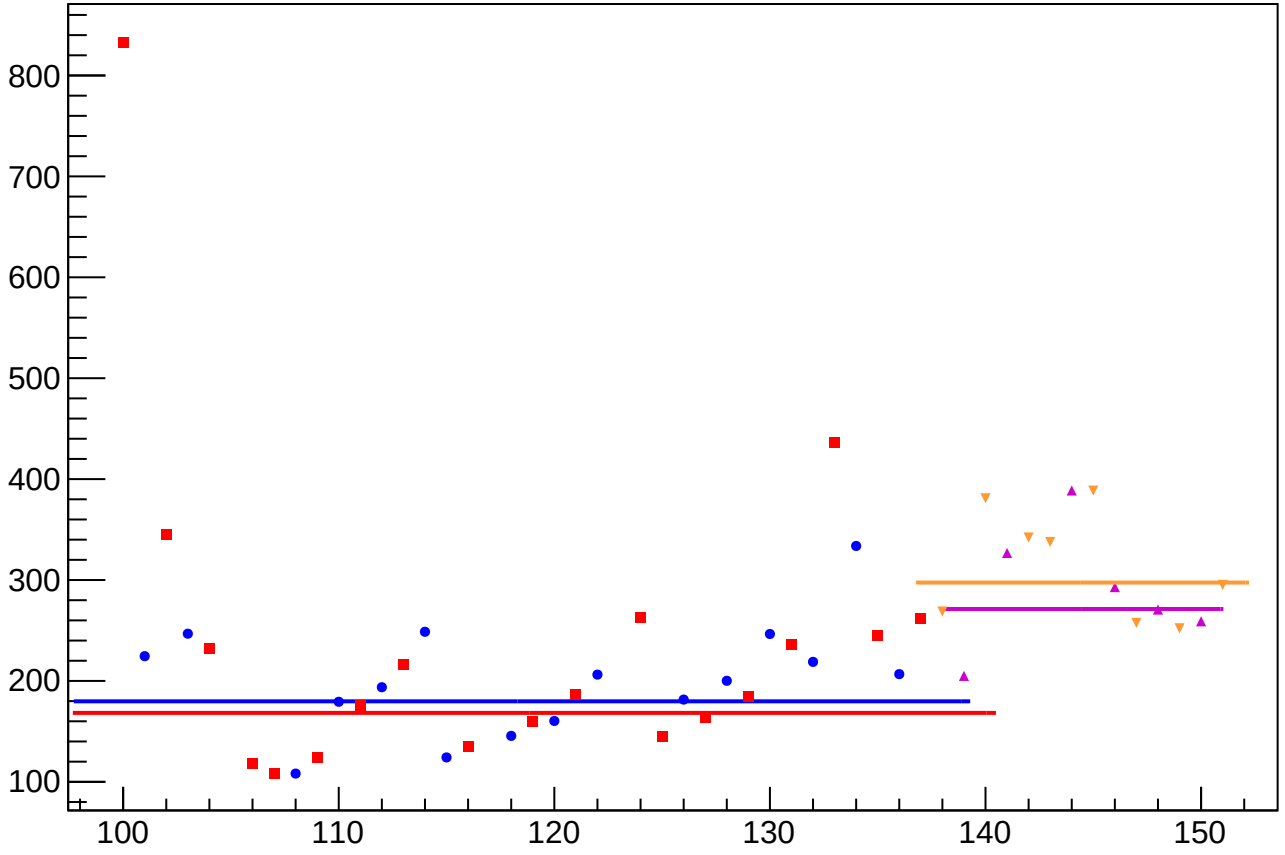
Left In: -0.170+/-0.122 χ^2/NDF:8.3/5

+ sign -0.019+/-0.061 χ^2/NDF: 21.5/23

All: 0.007+/-0.043 χ^2/NDF: 51.4/48

- sign 0.032+/-0.059 χ^2/NDF: 29.5/24

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: 297.505+/-0.086 χ^2/NDF:314197.7/7

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

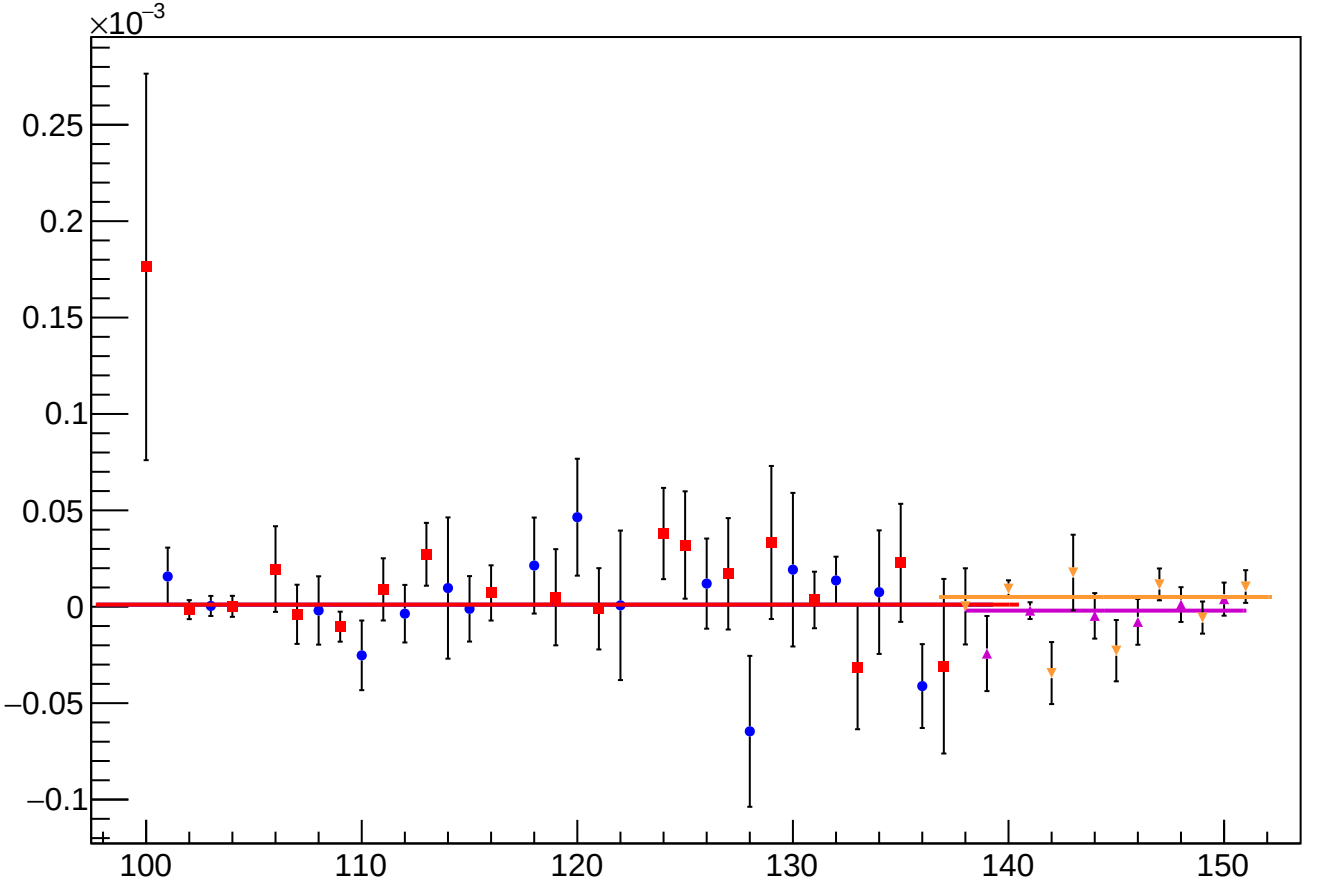
Left In: 271.296+/-0.086 χ^2/NDF:385230.6/5

+ sign 209.230+/-0.043 χ^2/NDF: 2623775.2/23

All: 200.602+/-0.030 χ^2/NDF: 5584231.6/48

- sign 192.519+/-0.042 χ^2/NDF: 2883265.6/24

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.2/7

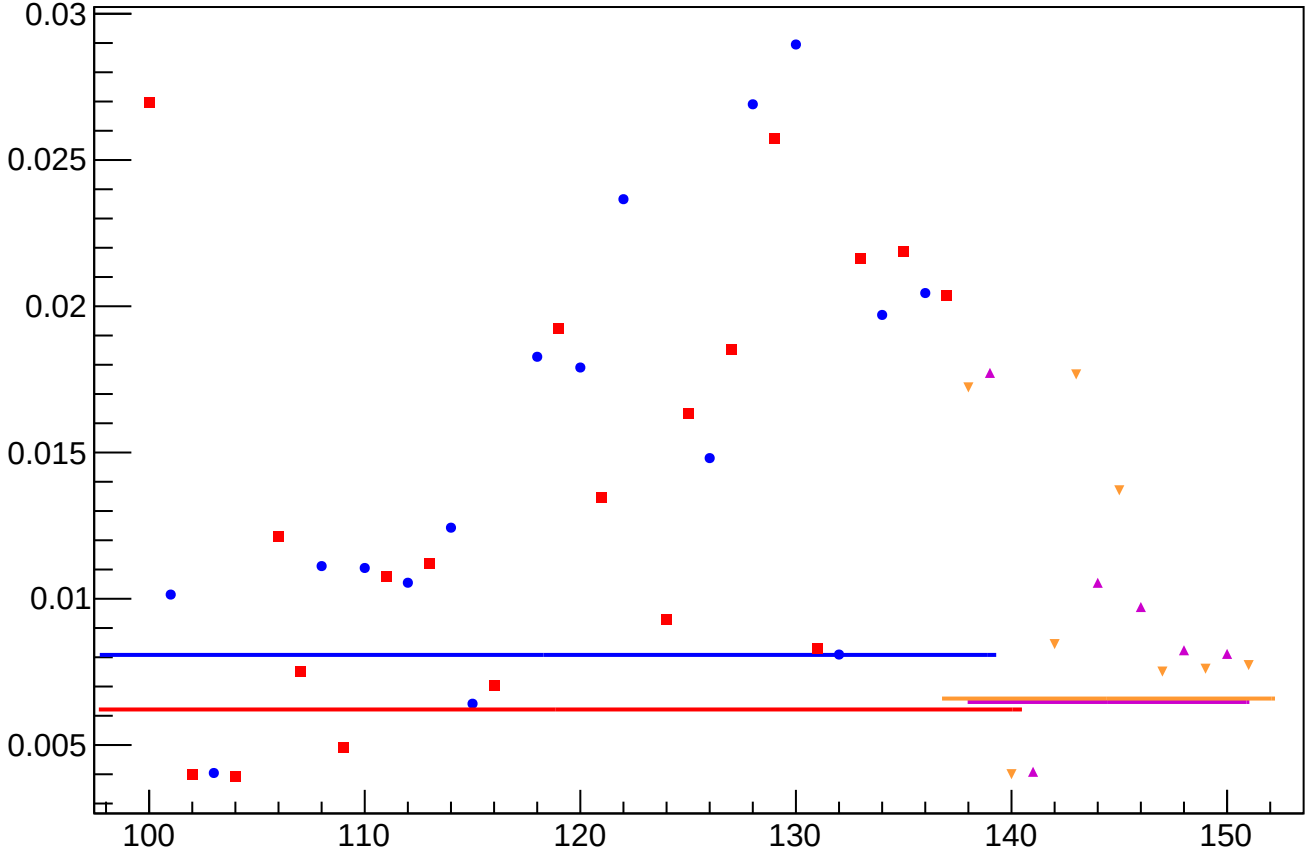
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:2.2/5

+ sign 0.000+/-0.000 χ^2/NDF: 28.2/23

All: 0.000+/-0.000 χ^2/NDF: 48.3/48

- sign -0.000+/-0.000 χ^2/NDF: 18.7/24



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.007+/-0.000 χ^2/NDF:2438694.4/7

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

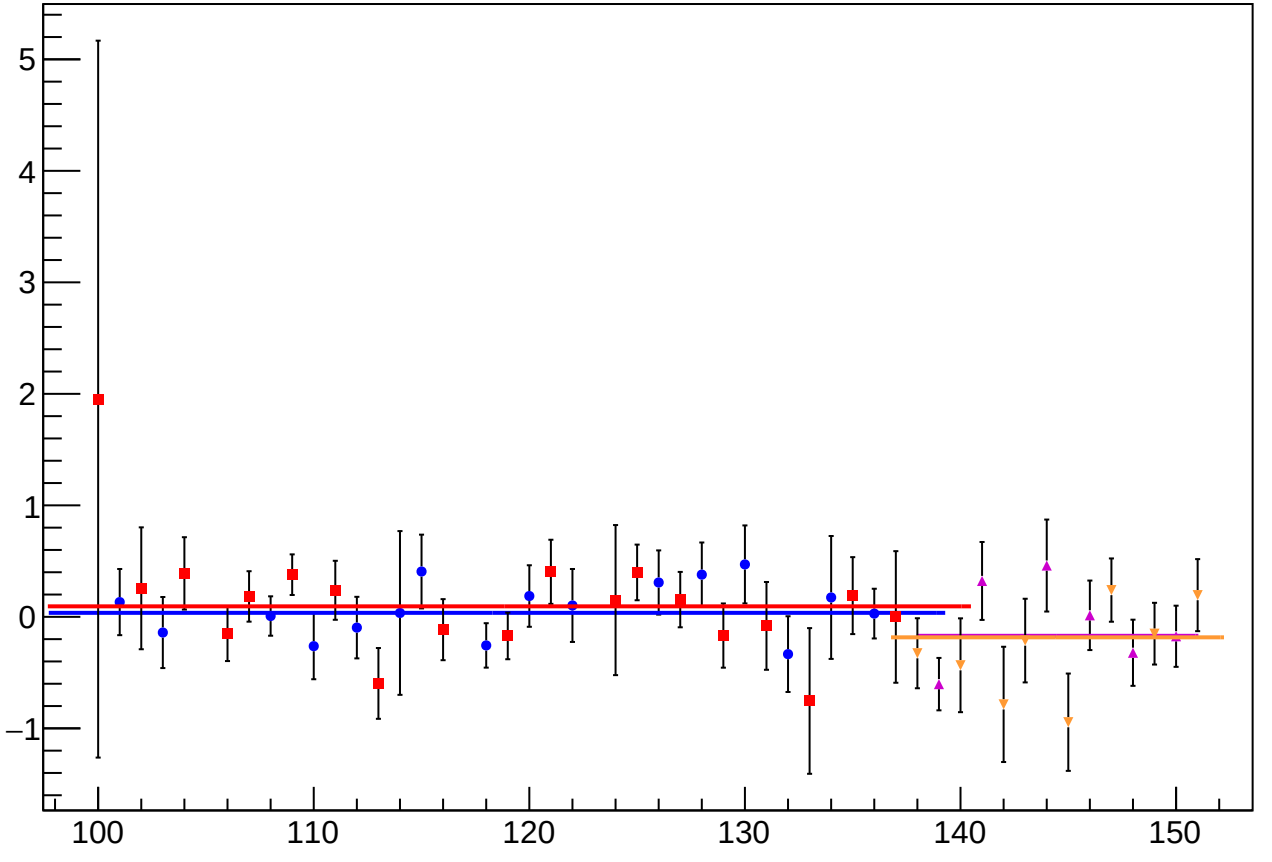
Left In: 0.006+/-0.000 χ^2/NDF:1807900.8/5

+ sign 0.007+/-0.000 χ^2/NDF: 7045710.5/23

All: 0.007+/-0.000 χ^2/NDF: 13569488.9/48

- sign 0.006+/-0.000 χ^2/NDF: 6376070.1/24

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: -0.184+/-0.122 χ^2/NDF:8.6/7

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

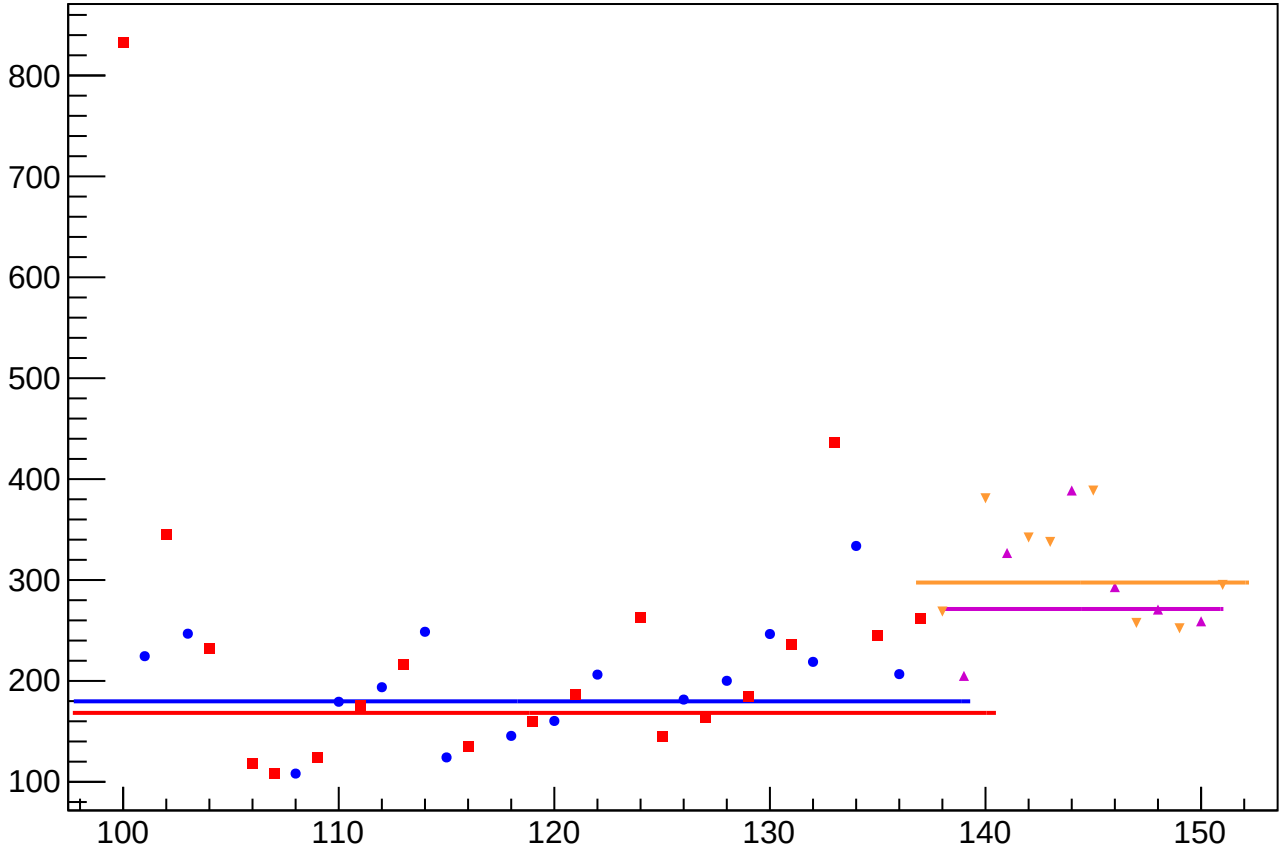
Left In: -0.170+/-0.122 χ^2/NDF:8.3/5

+ sign -0.019+/-0.061 χ^2/NDF: 21.5/23

All: 0.007+/-0.043 χ^2/NDF: 51.4/48

- sign 0.032+/-0.059 χ^2/NDF: 29.5/24

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: 297.509+/-0.086 χ^2/NDF:314181.3/7

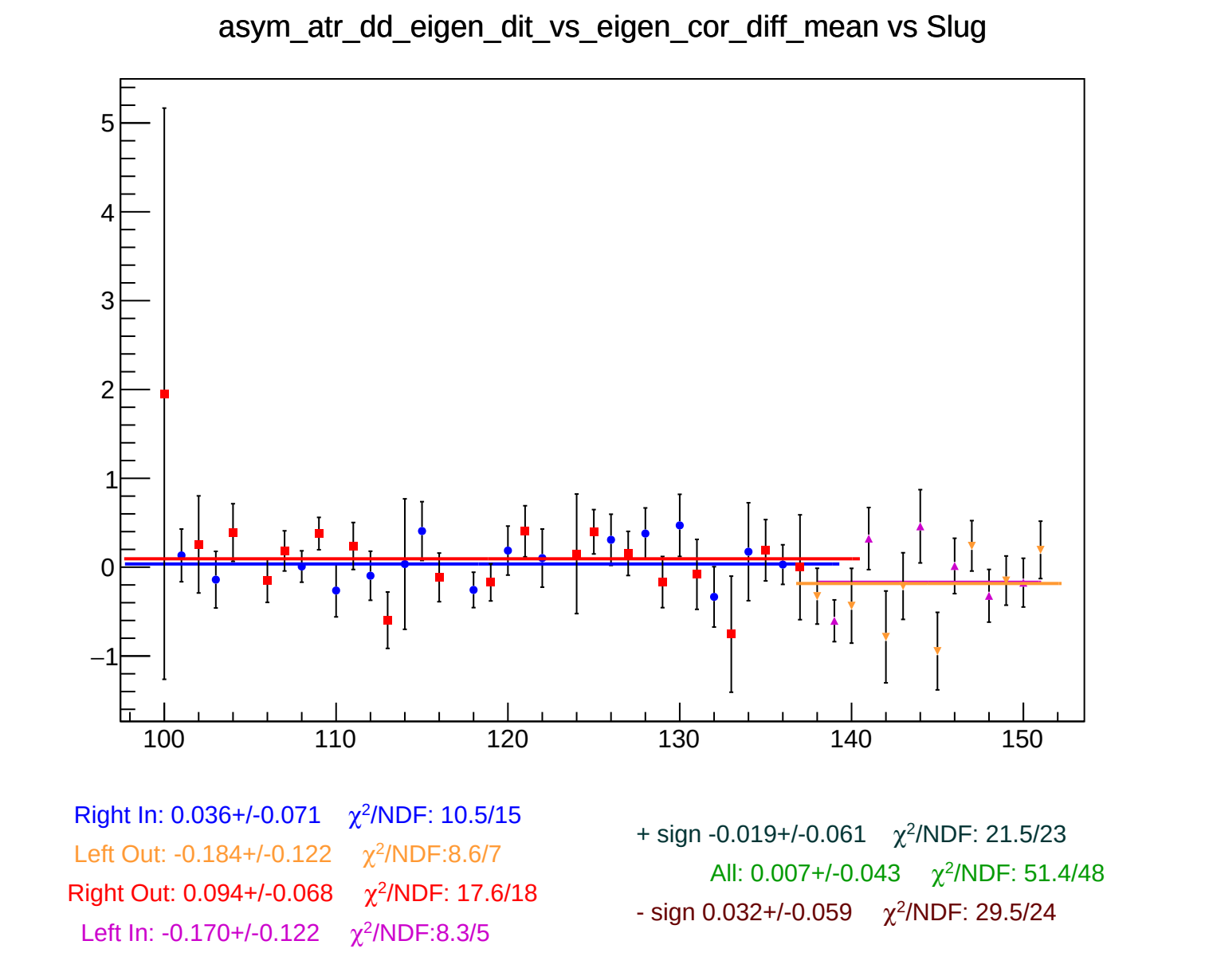
Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 271.301+/-0.086 χ^2/NDF:385211.3/5

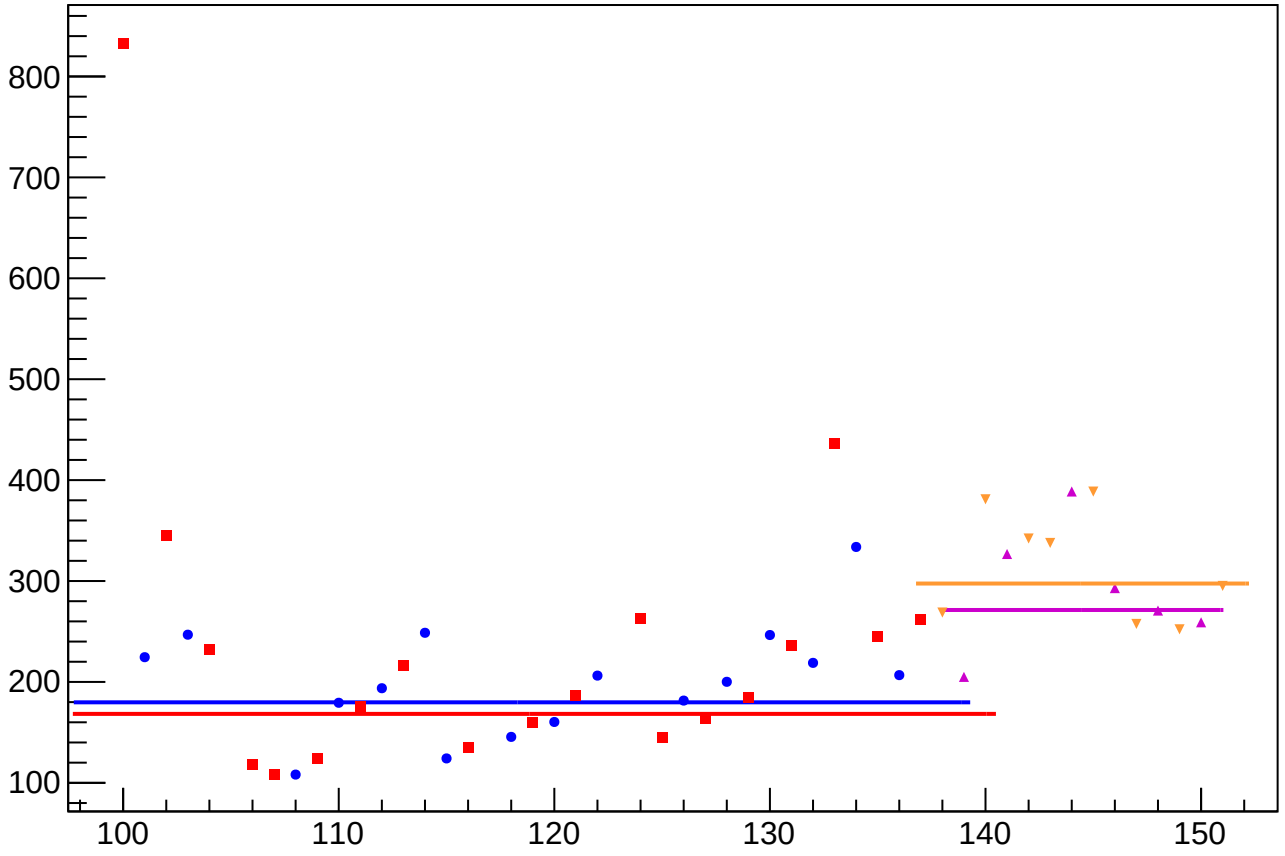
+ sign 209.228+/-0.043 χ^2/NDF: 2623946.8/23

All: 200.601+/-0.030 χ^2/NDF: 5584431.8/48

- sign 192.519+/-0.042 χ^2/NDF: 2883315.3/24


asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
5
4
3
2
1
0
−1
100
110
120
130
140
150
Right In: 0.036+/-0.071 χ²/NDF: 10.5/15
Left Out: -0.184+/-0.122 χ²/NDF:8.6/7
Right Out: 0.094+/-0.068 χ²/NDF: 17.6/18
Left In: -0.170+/-0.122 χ²/NDF:8.3/5
+ sign -0.019+/-0.061 χ²/NDF: 21.5/23
All: 0.007+/-0.043 χ²/NDF: 51.4/48
- sign 0.032+/-0.059 χ²/NDF: 29.5/24

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 297.509+/-0.086 χ^2/NDF:314181.3/7

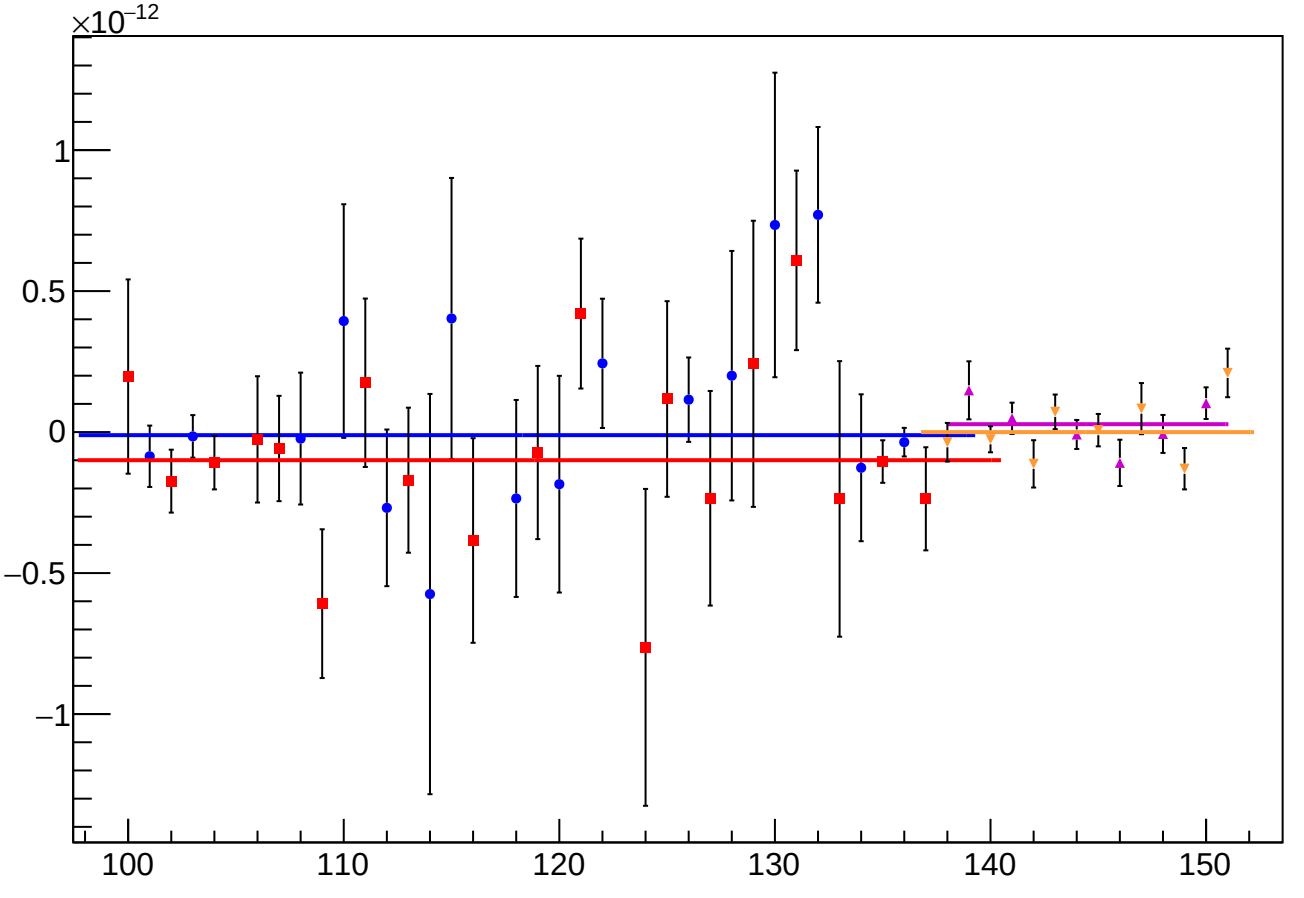
Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 271.301+/-0.086 χ^2/NDF:385211.3/5

+ sign 209.228+/-0.043 χ^2/NDF: 2623946.8/23

All: 200.601+/-0.030 χ^2/NDF: 5584431.8/48

- sign 192.519+/-0.042 χ^2/NDF: 2883315.3/24



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

Left Out: -0.000+/-0.000 χ^2/NDF:13.7/7

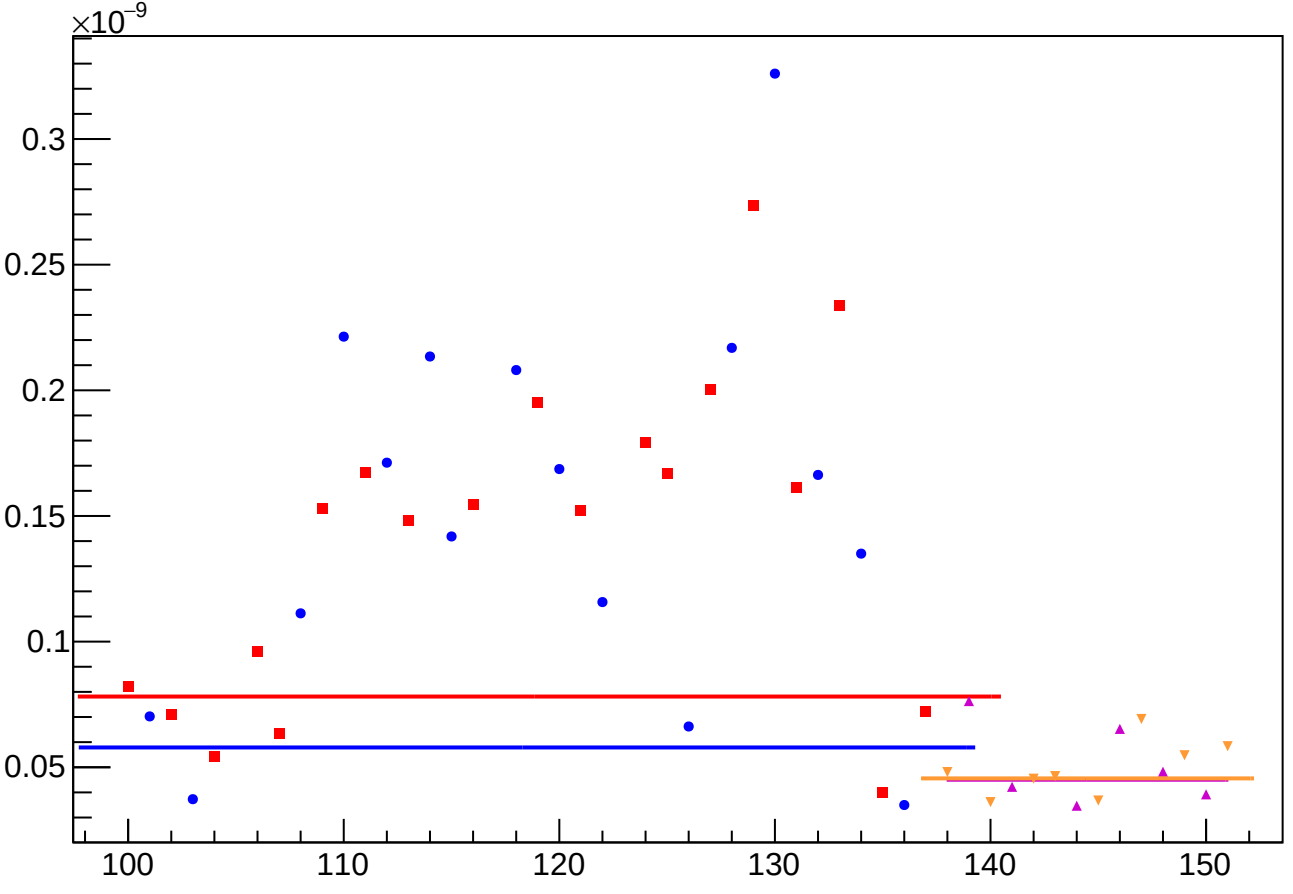
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:6.8/5

+ sign -0.000+/-0.000 χ^2/NDF: 28.8/23

All: -0.000+/-0.000 χ^2/NDF: 60.7/48

- sign -0.000+/-0.000 χ^2/NDF: 31.9/24



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:345096.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

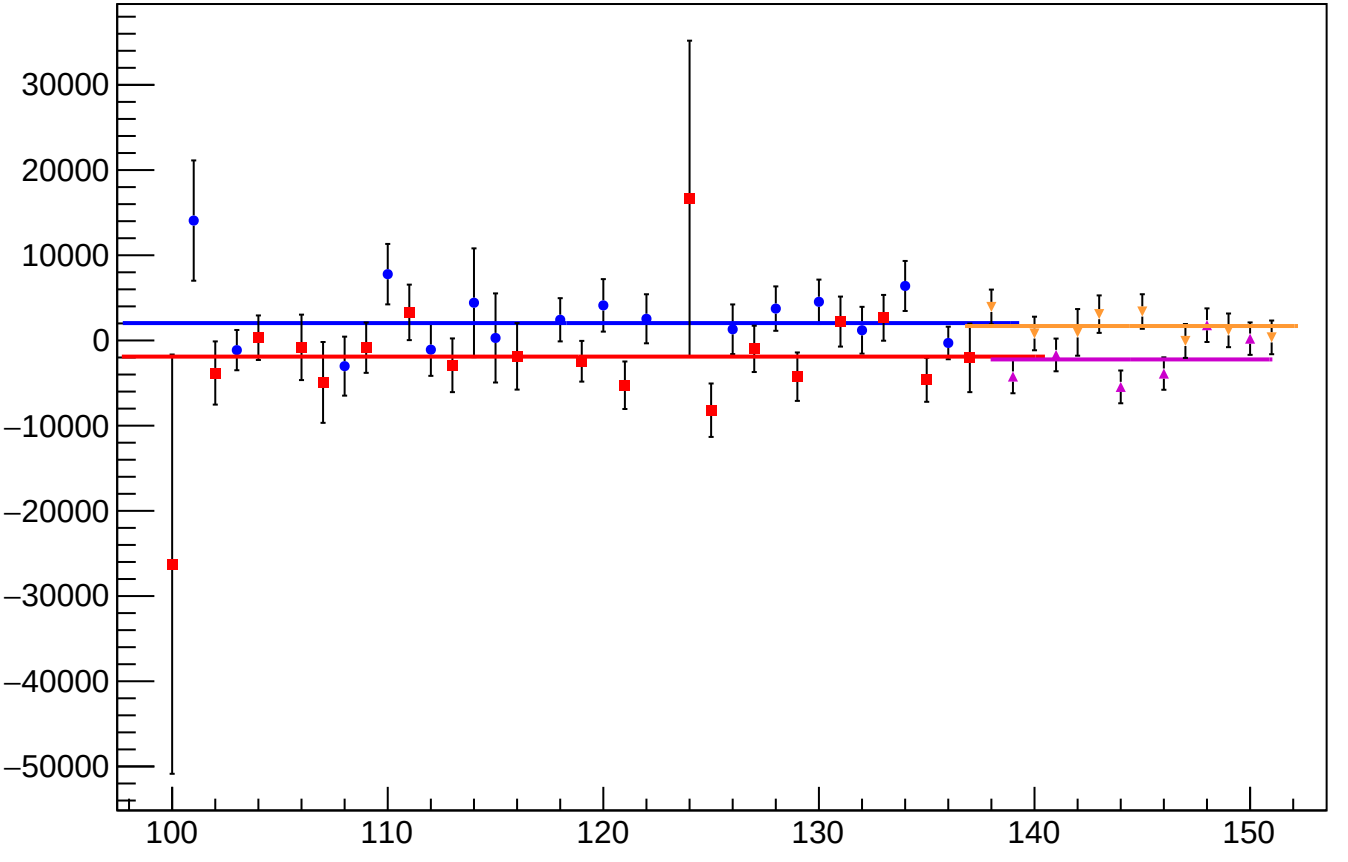
Left In: 0.000+/-0.000 χ^2/NDF:418272.3/5

+ sign 0.000+/-0.000 χ^2/NDF: 3837644.6/23

All: 0.000+/-0.000 χ^2/NDF: 7936871.8/48

- sign 0.000+/-0.000 χ^2/NDF: 4045252.6/24

reg_asym_at1_avg_mean vs Slug



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 1694.934+/-735.893 χ^2/NDF:3.9/7

Right Out: -1895.242+/-736.762 χ^2/NDF: 18.5/18

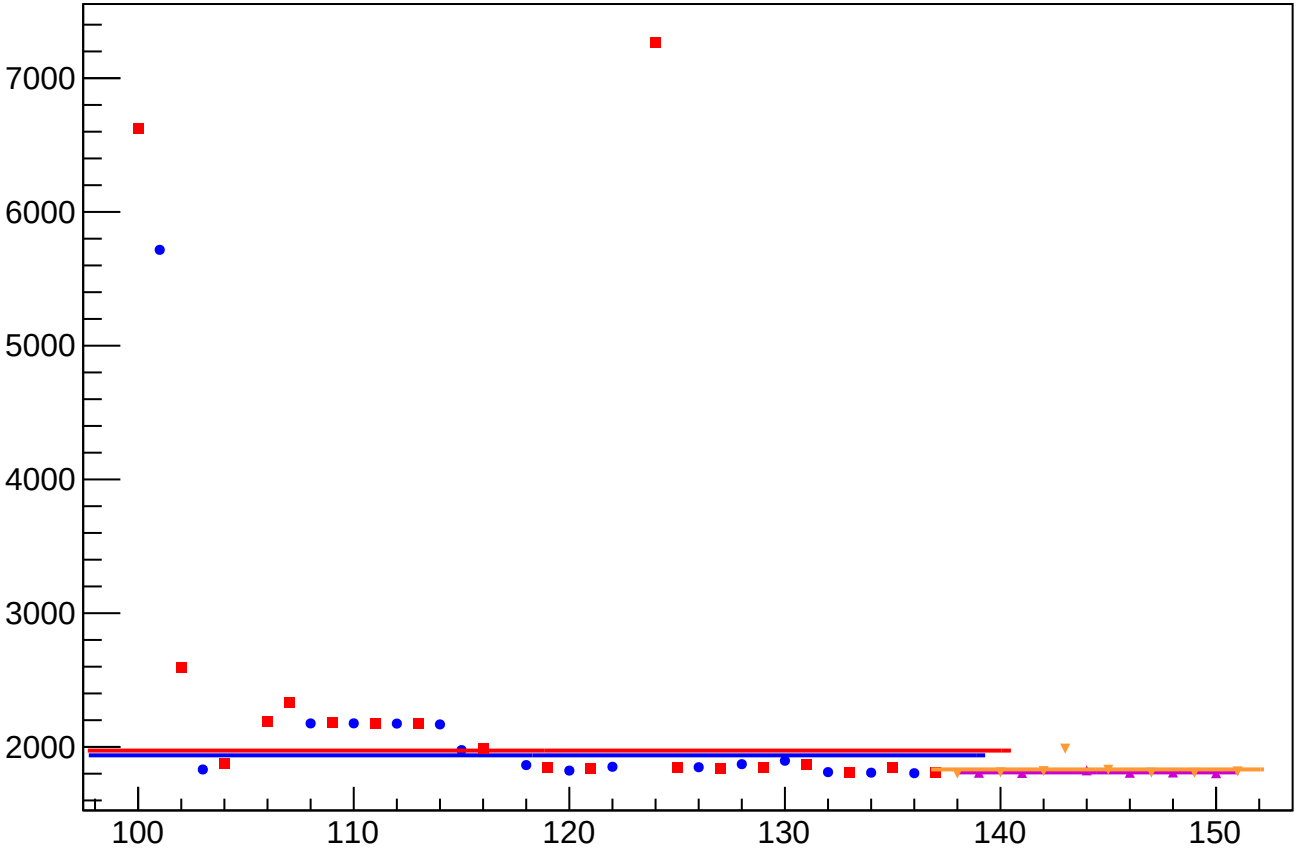
Left In: -2226.569+/-788.102 χ^2/NDF:10.5/5

+ sign 1866.998+/-520.467 χ^2/NDF: 20.4/23

All: -25.778+/-374.140 χ^2/NDF: 76.9/48

- sign -2049.763+/-538.205 χ^2/NDF: 29.1/24

reg_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1831.845+/-0.520 χ^2/NDF:11455.9/7

Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

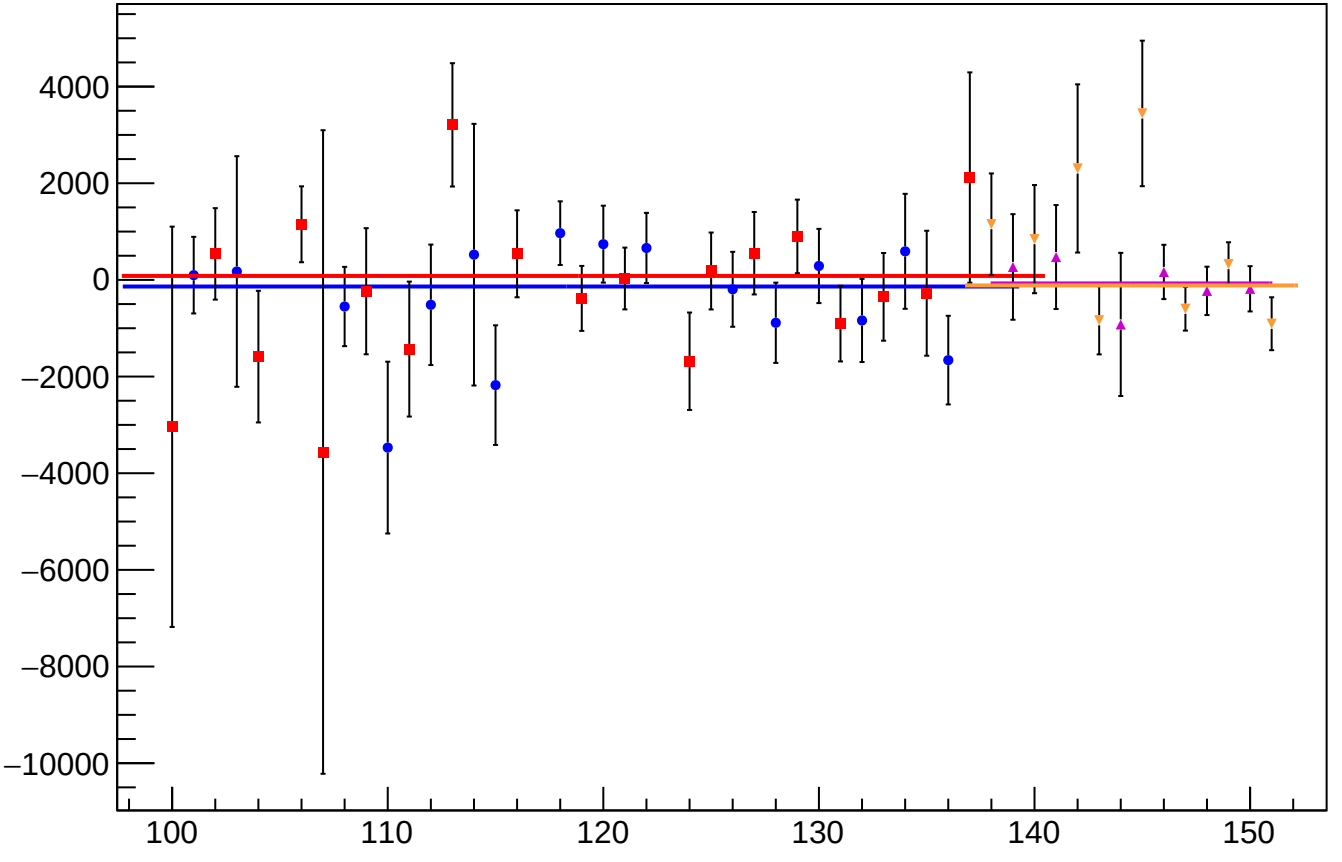
Left In: 1809.655+/-0.557 χ^2/NDF:164.8/5

+ sign 1884.525+/-0.368 χ^2/NDF: 670056.2/23

All: 1890.405+/-0.265 χ^2/NDF: 1093999.7/48

- sign 1896.693+/-0.381 χ^2/NDF: 423415.3/24

asym_at1_avg_reg_correction_mean vs Slug



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: -114.605+/-238.420 χ^2/NDF:14.9/7

Right Out: 82.296+/-222.019 χ^2/NDF: 19.7/18

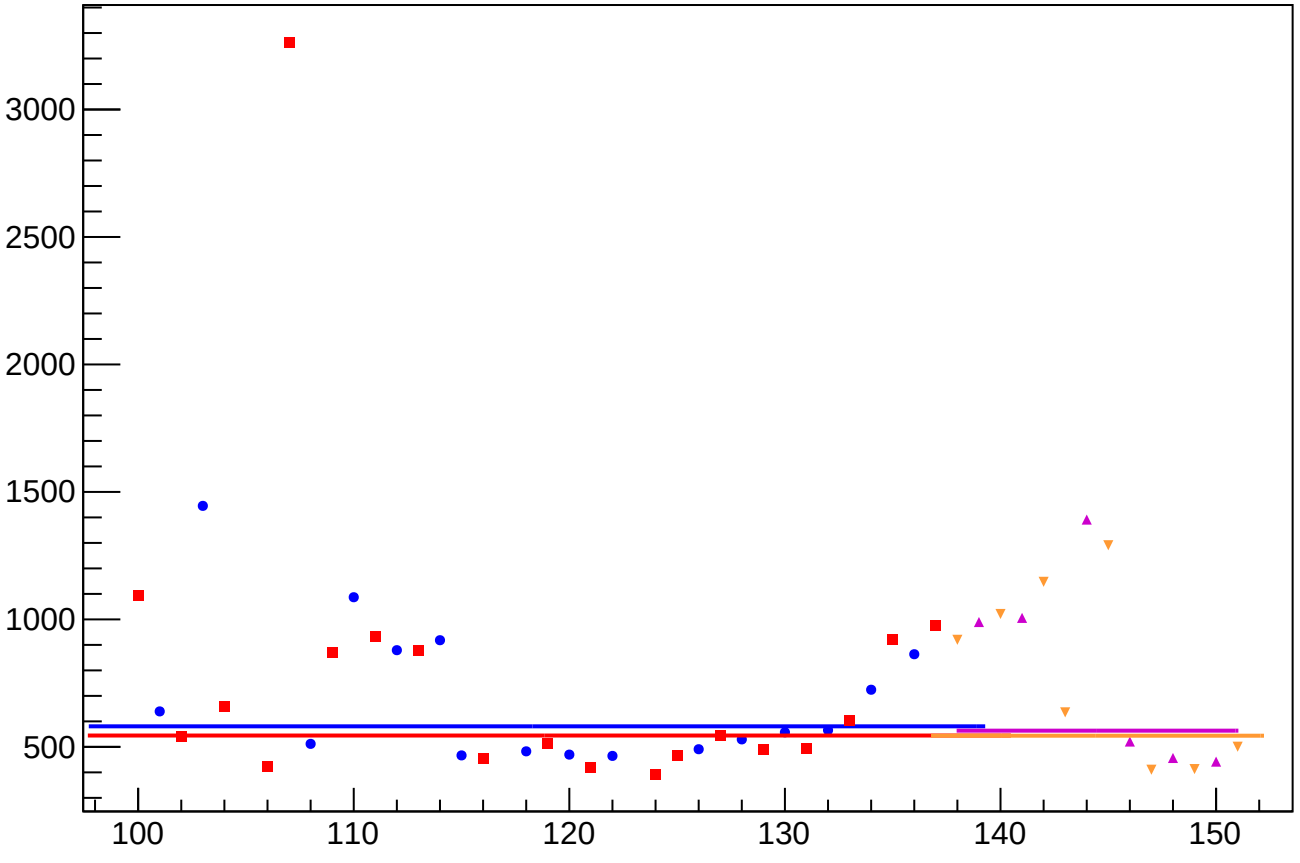
Left In: -72.826+/-268.395 χ^2/NDF:1.0/5

\+ sign -125.999+/-165.692 χ^2/NDF: 31.8/23

All: -55.684+/-119.019 χ^2/NDF: 53.2/48

\- sign 19.274+/-171.074 χ^2/NDF: 21.0/24

asym_at1_avg_reg_correction_rms vs Slug



Right In: 580.611+/-0.163 χ^2/NDF: 1003410.8/15

Left Out: 543.821+/-0.169 χ^2/NDF:1741711.4/7

Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

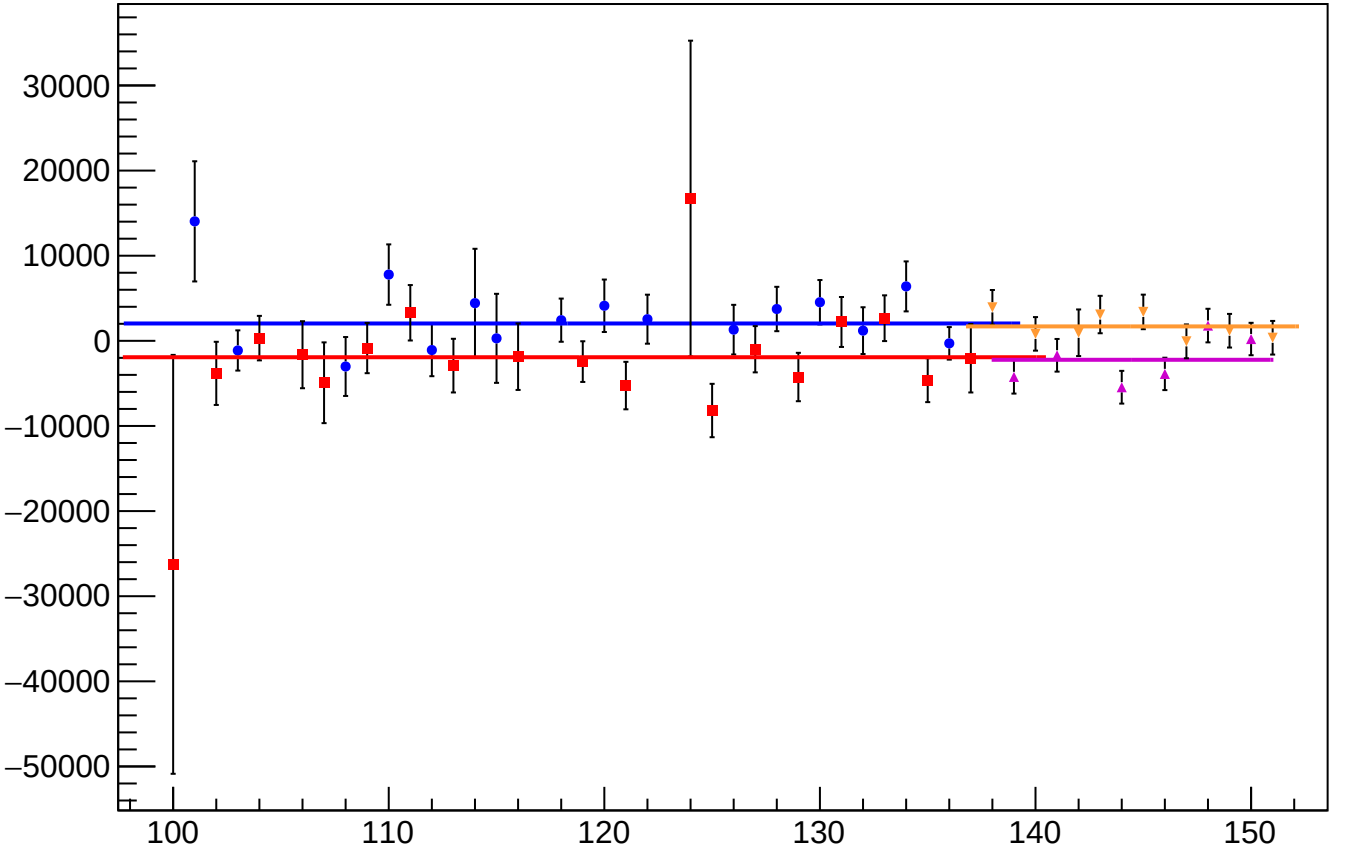
Left In: 563.624+/-0.190 χ^2/NDF:1505301.1/5

+ sign 562.842+/-0.117 χ^2/NDF: 2769744.4/23

All: 557.734+/-0.084 χ^2/NDF: 5572626.3/48

- sign 552.288+/-0.121 χ^2/NDF: 2798953.7/24

cor_asym_at1_avg_mean vs Slug



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 1694.857+/-735.893 χ^2/NDF:3.9/7

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

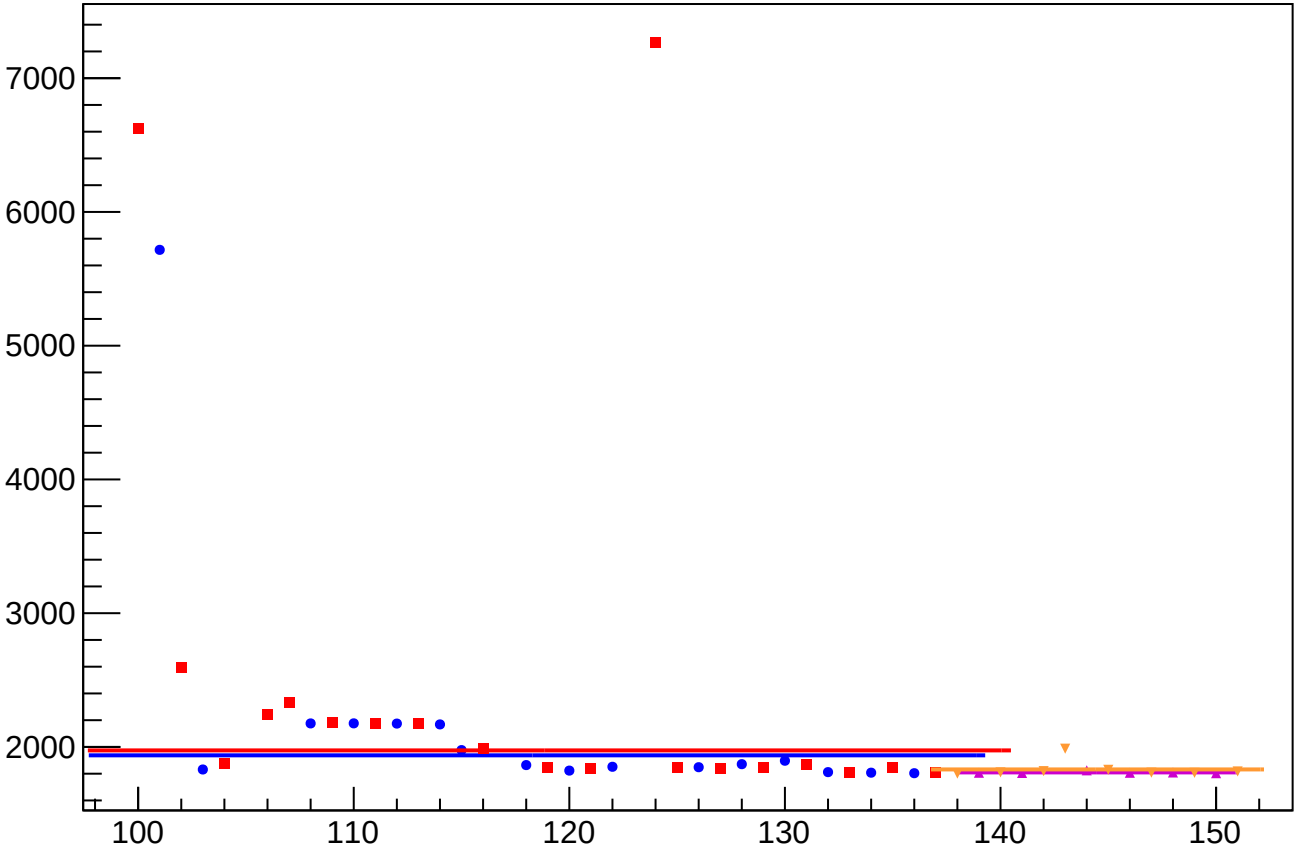
Left In: -2226.800+/-788.102 χ^2/NDF:10.5/5

+ sign 1866.775+/-520.467 χ^2/NDF: 20.4/23

All: -33.086+/-374.224 χ^2/NDF: 77.0/48

- sign -2066.556+/-538.457 χ^2/NDF: 29.0/24

cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1831.845+/-0.520 χ^2/NDF:11455.9/7

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

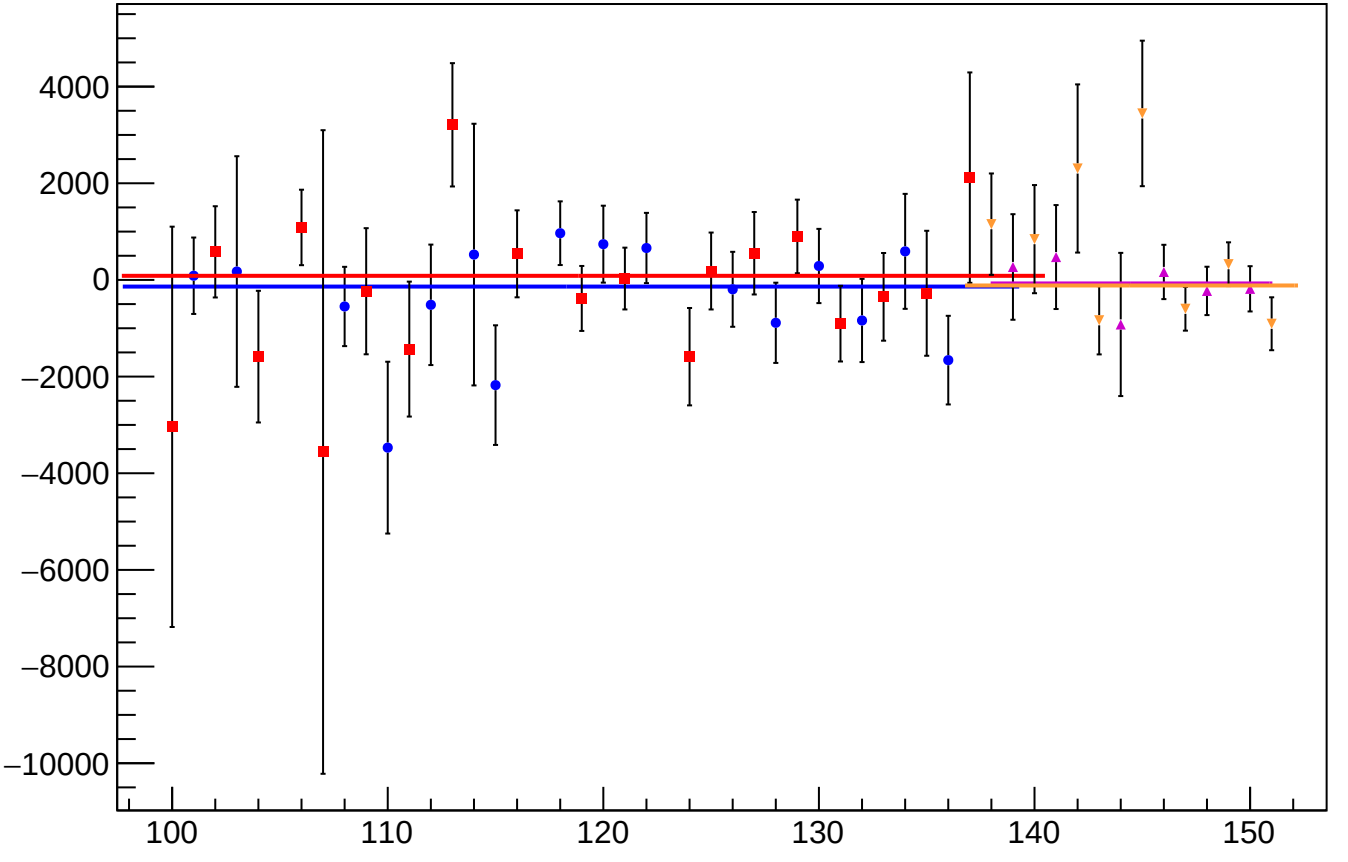
Left In: 1809.655+/-0.557 χ^2/NDF:164.8/5

+ sign 1884.525+/-0.368 χ^2/NDF: 670056.2/23

All: 1890.727+/-0.265 χ^2/NDF: 1097699.9/48

- sign 1897.365+/-0.381 χ^2/NDF: 427055.8/24

asym_at1_avg_cor_correction_mean vs Slug



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -114.954+/-238.419 χ^2/NDF:14.9/7

Right Out: 84.947+/-221.881 χ^2/NDF: 19.3/18

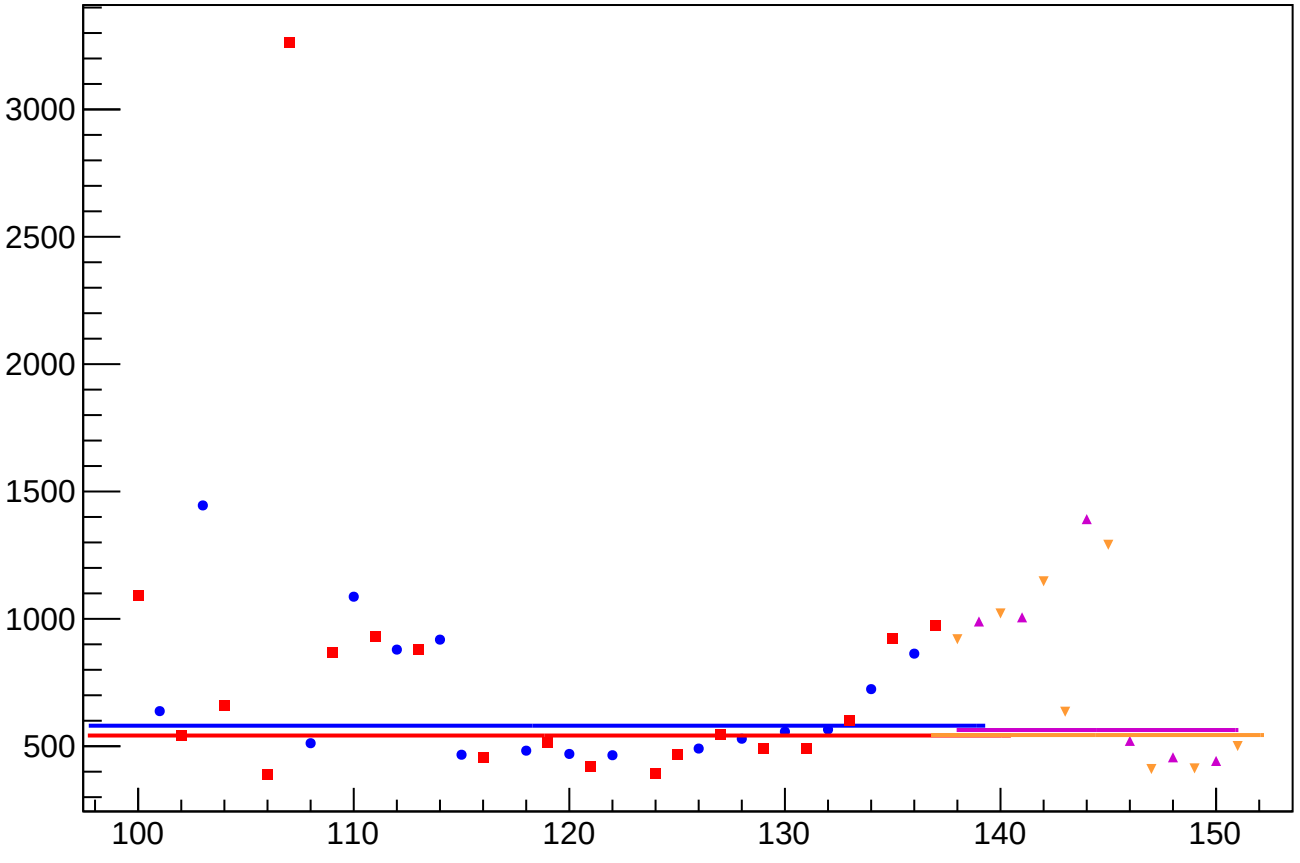
Left In: -72.815+/-268.396 χ^2/NDF:1.0/5

+ sign -126.609+/-165.673 χ^2/NDF: 31.8/23

All: -55.192+/-118.991 χ^2/NDF: 52.7/48

- sign 20.901+/-171.011 χ^2/NDF: 20.5/24

asym_at1_avg_cor_correction_rms vs Slug



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 543.817+/-0.169 χ^2/NDF:1741704.4/7

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

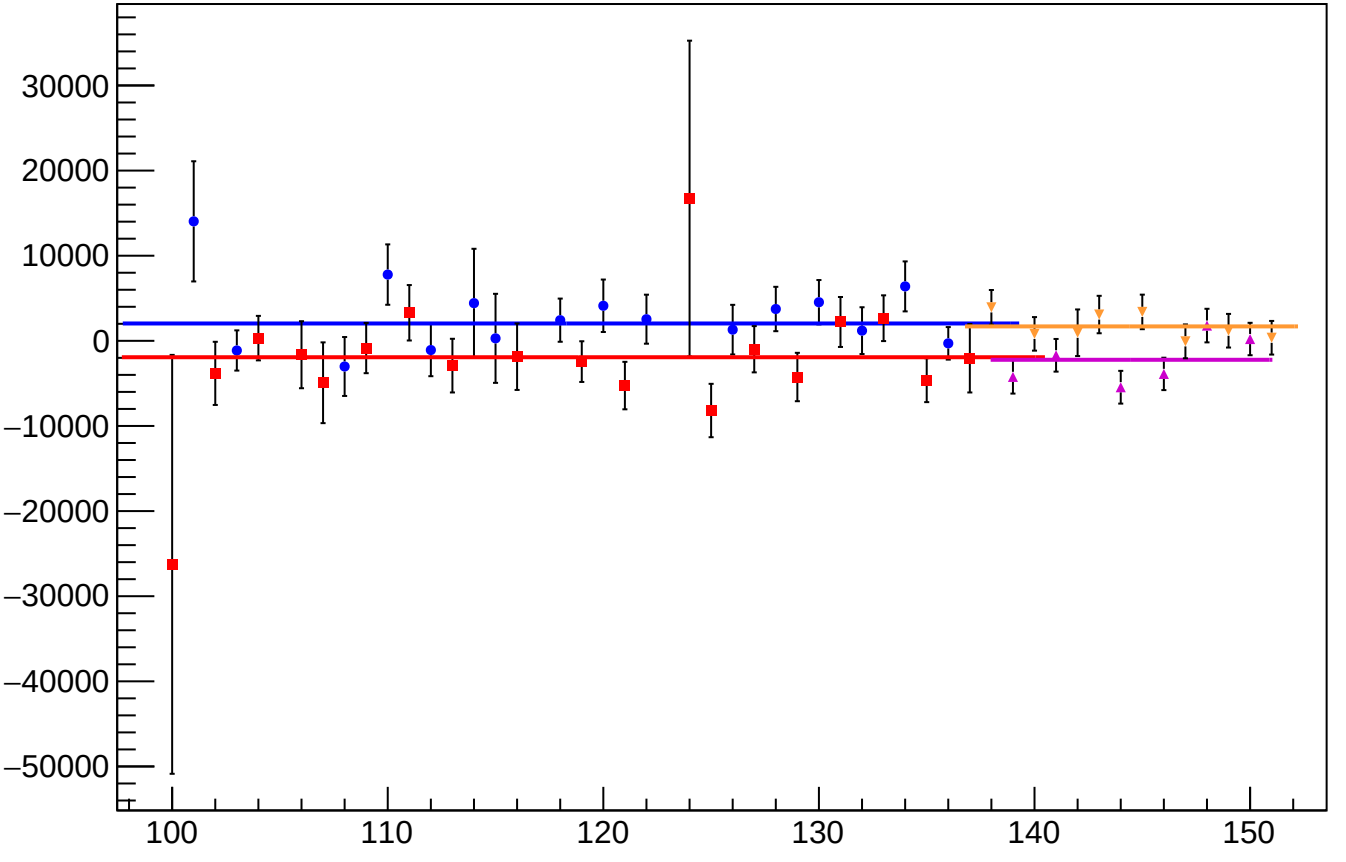
Left In: 563.625+/-0.190 χ^2/NDF:1505302.9/5

+ sign 562.797+/-0.117 χ^2/NDF: 2769114.6/23

All: 556.961+/-0.084 χ^2/NDF: 5606150.2/48

- sign 550.743+/-0.121 χ^2/NDF: 2831909.7/24

eigen_cor_asym_at1_avg_mean vs Slug



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 1694.857+/-735.893 χ^2/NDF:3.9/7

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

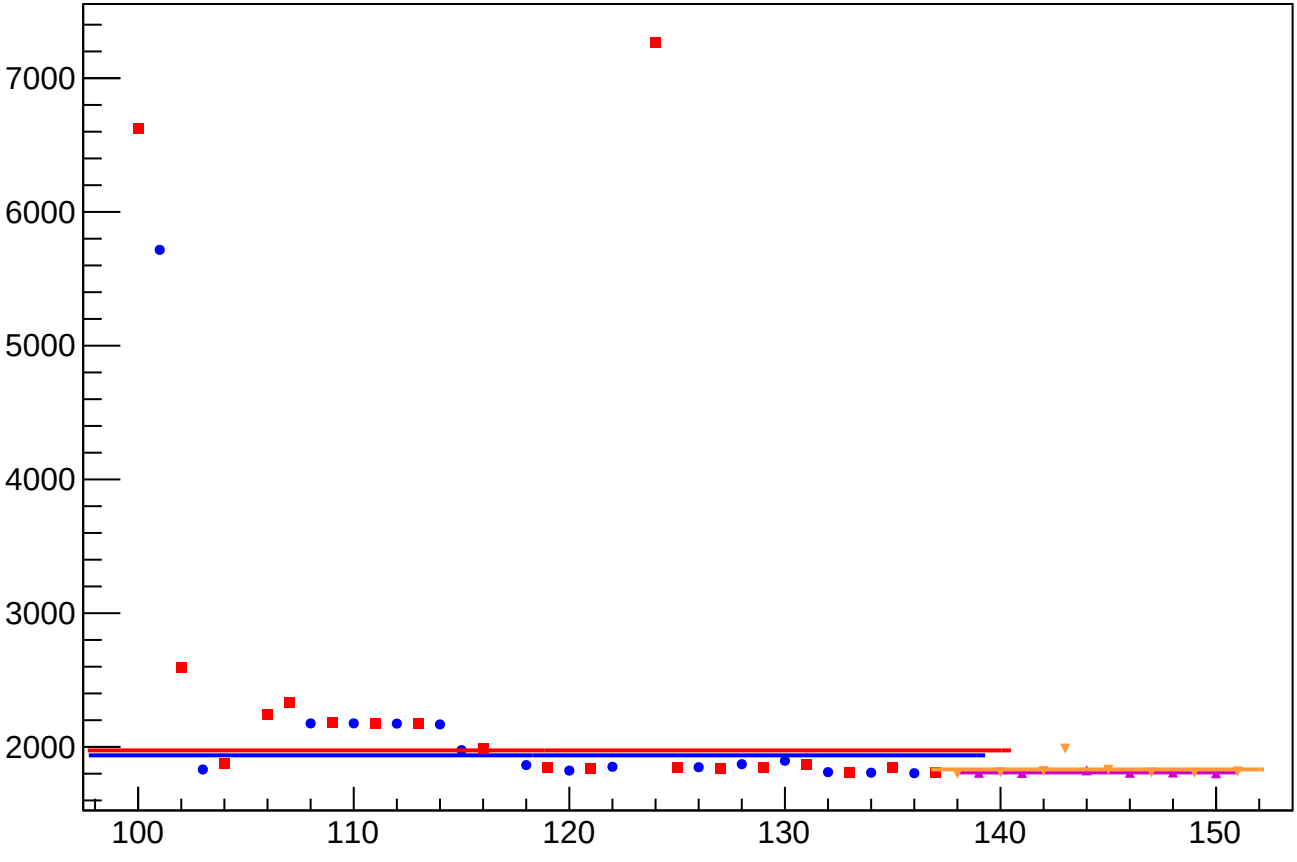
Left In: -2226.800+/-788.102 χ^2/NDF:10.5/5

+ sign 1866.775+/-520.467 χ^2/NDF: 20.4/23

All: -33.086+/-374.224 χ^2/NDF: 77.0/48

- sign -2066.556+/-538.457 χ^2/NDF: 29.0/24

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1831.845+/-0.520 χ^2/NDF:11455.9/7

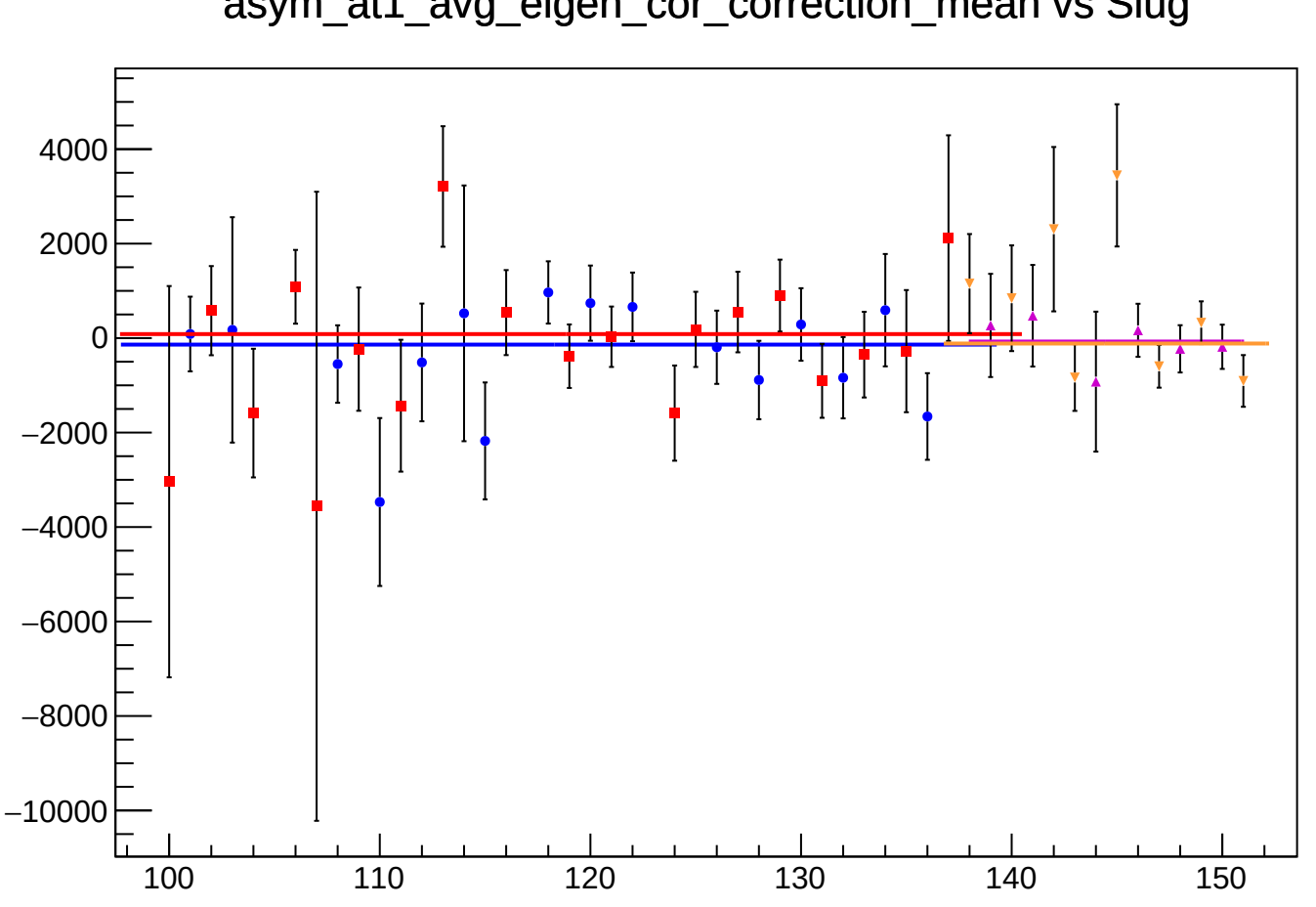
Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1809.655+/-0.557 χ^2/NDF:164.8/5

+ sign 1884.525+/-0.368 χ^2/NDF: 670056.2/23

All: 1890.727+/-0.265 χ^2/NDF: 1097699.9/48

- sign 1897.365+/-0.381 χ^2/NDF: 427055.8/24



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -114.954+/-238.419 χ^2/NDF:14.9/7

Right Out: 84.947+/-221.881 χ^2/NDF: 19.3/18

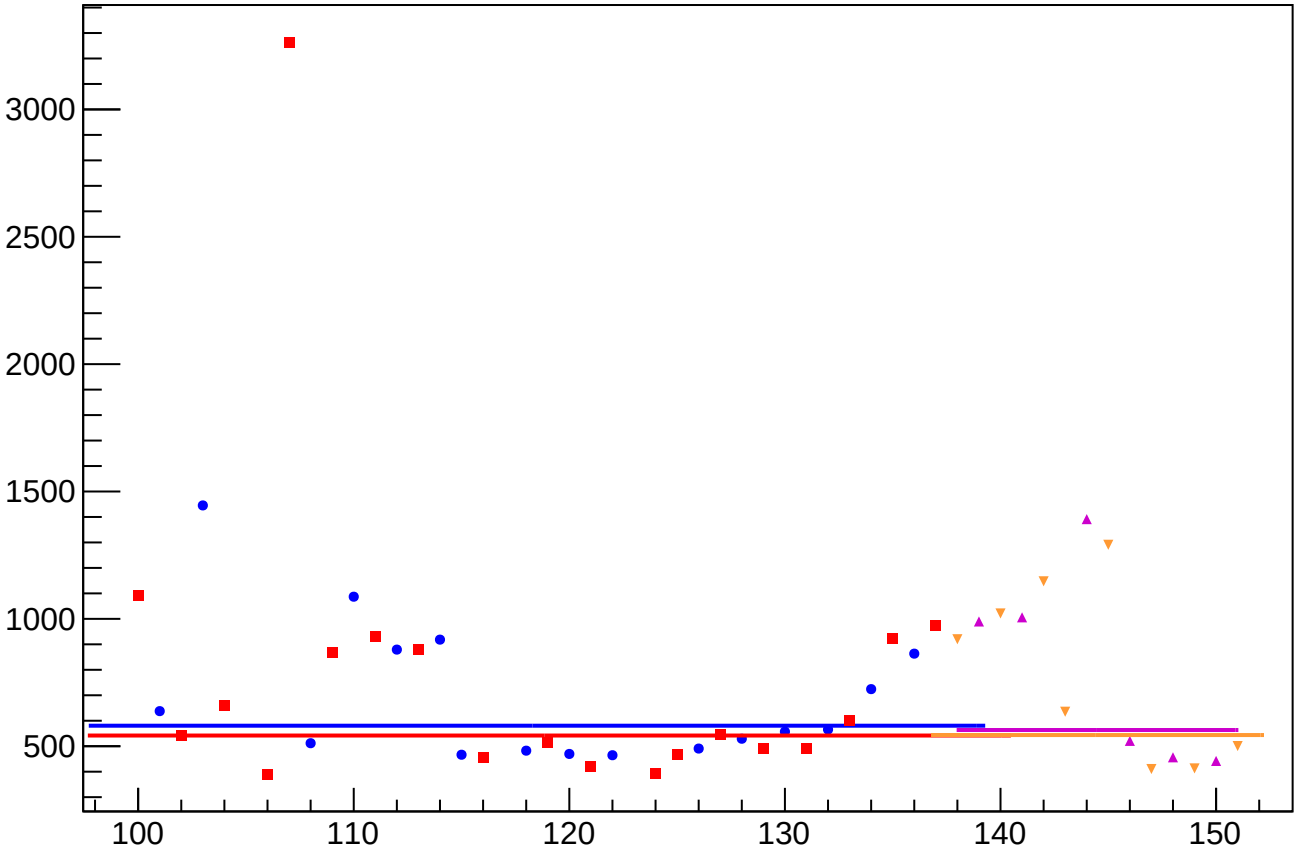
Left In: -72.815+/-268.396 χ^2/NDF:1.0/5

+ sign -126.609+/-165.673 χ^2/NDF: 31.8/23

All: -55.192+/-118.991 χ^2/NDF: 52.7/48

- sign 20.901+/-171.011 χ^2/NDF: 20.5/24

asym_at1_avg_eigen_cor_correction_rms vs Slug



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 543.817+/-0.169 χ^2/NDF:1741704.4/7

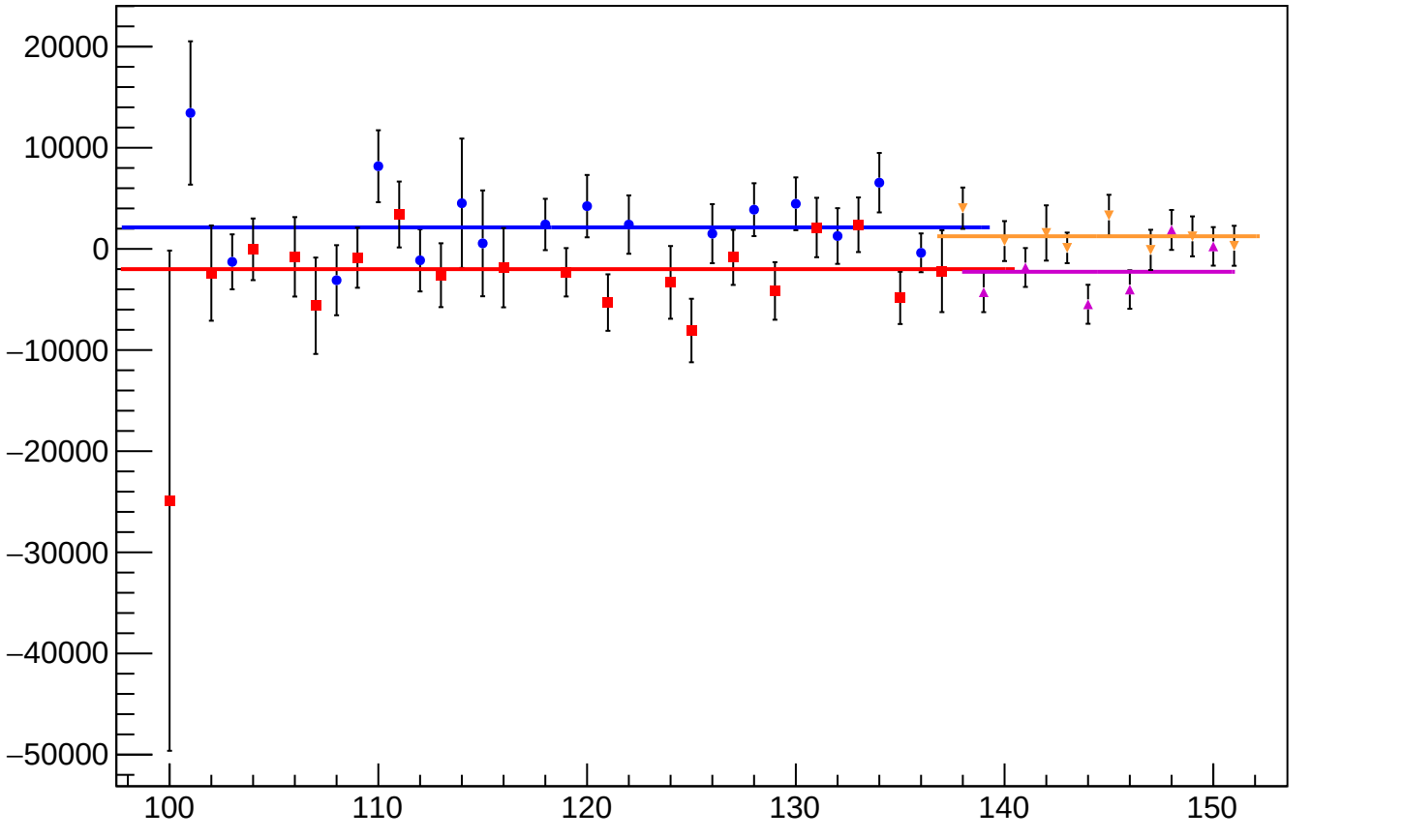
Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 563.625+/-0.190 χ^2/NDF:1505302.9/5

\+ sign 562.797+/-0.117 χ^2/NDF: 2769114.6/23

All: 556.961+/-0.084 χ^2/NDF: 5606150.2/48

\- sign 550.743+/-0.121 χ^2/NDF: 2831909.7/24



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1249.189+/-694.212 χ^2/NDF:4.2/7

Right Out: -2002.220+/-737.195 χ^2/NDF: 16.7/18

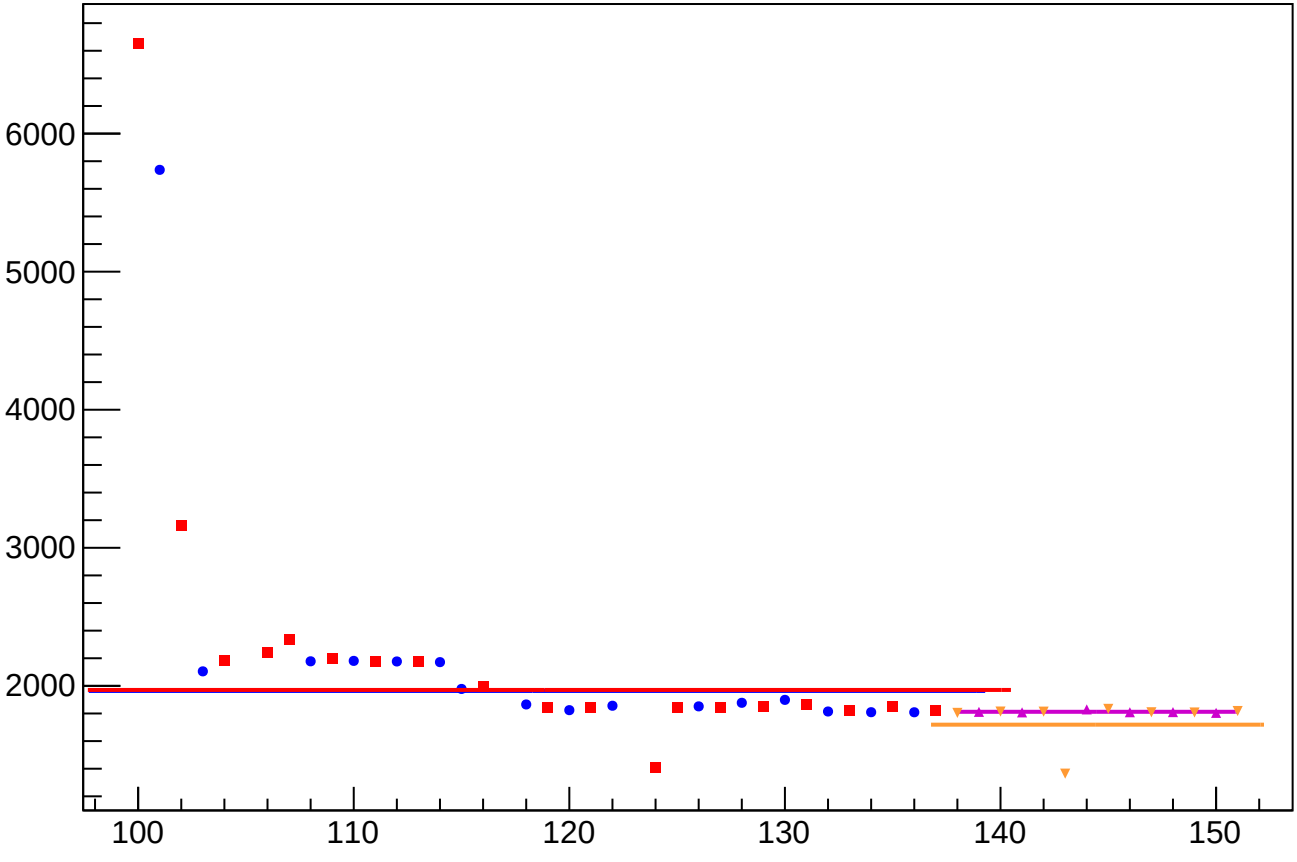
Left In: -2261.736+/-789.243 χ^2/NDF:10.9/5

+ sign 1657.240+/-508.281 χ^2/NDF: 21.5/23

All: -123.080+/-369.707 χ^2/NDF: 75.2/48

- sign -2123.139+/-538.737 χ^2/NDF: 27.7/24

dit_asym_at1_avg_rms vs Slug



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1718.992+/-0.491 χ^2/NDF:140267.6/7

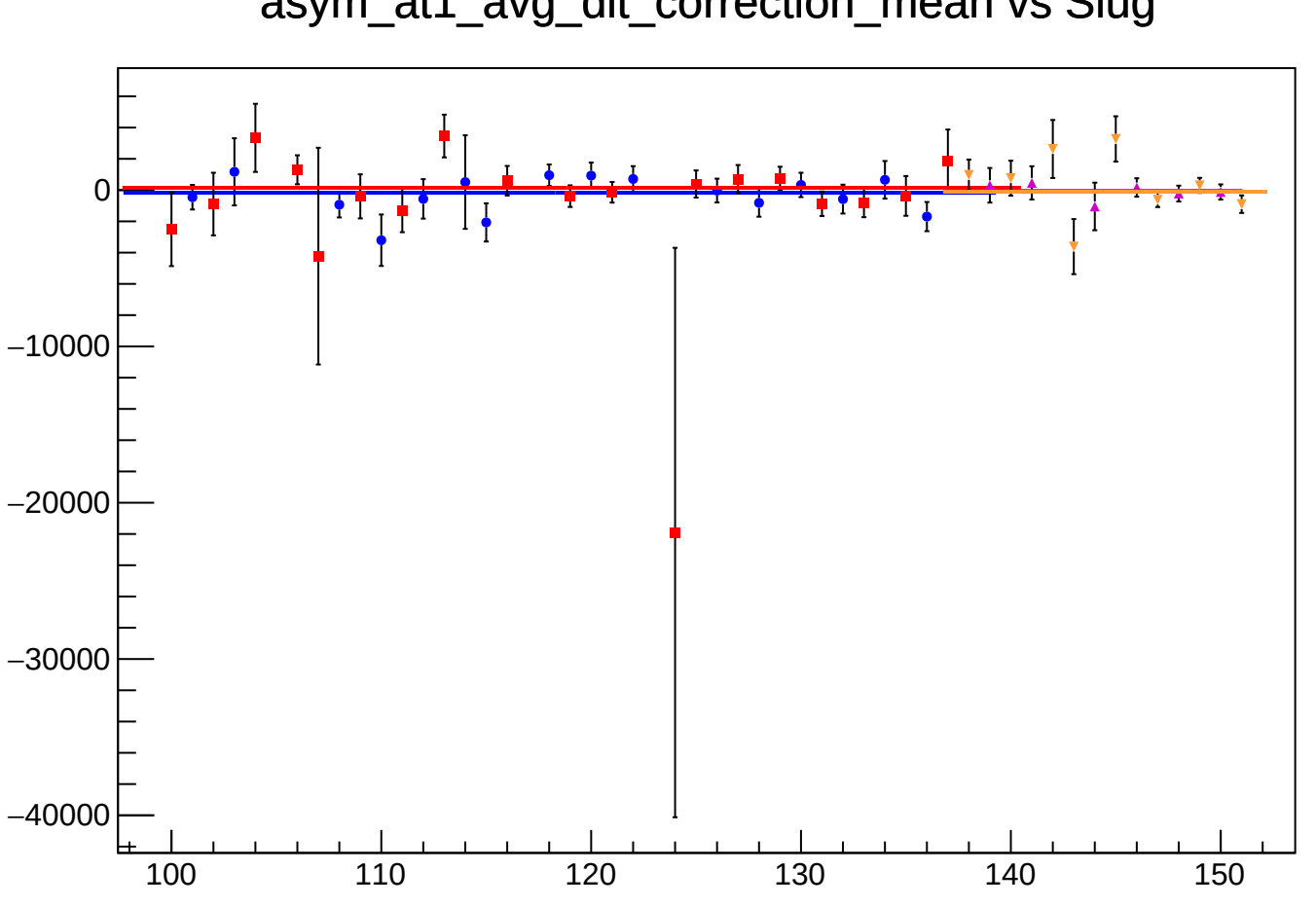
Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

Left In: 1812.224+/-0.558 χ^2/NDF:211.6/5

+ sign 1832.386+/-0.359 χ^2/NDF: 895542.9/23

All: 1862.689+/-0.261 χ^2/NDF: 1298916.0/48

- sign 1896.731+/-0.381 χ^2/NDF: 388279.0/24



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: -104.758+/-258.859 χ^2/NDF:17.2/7

Right Out: 147.489+/-242.848 χ^2/NDF: 20.1/18

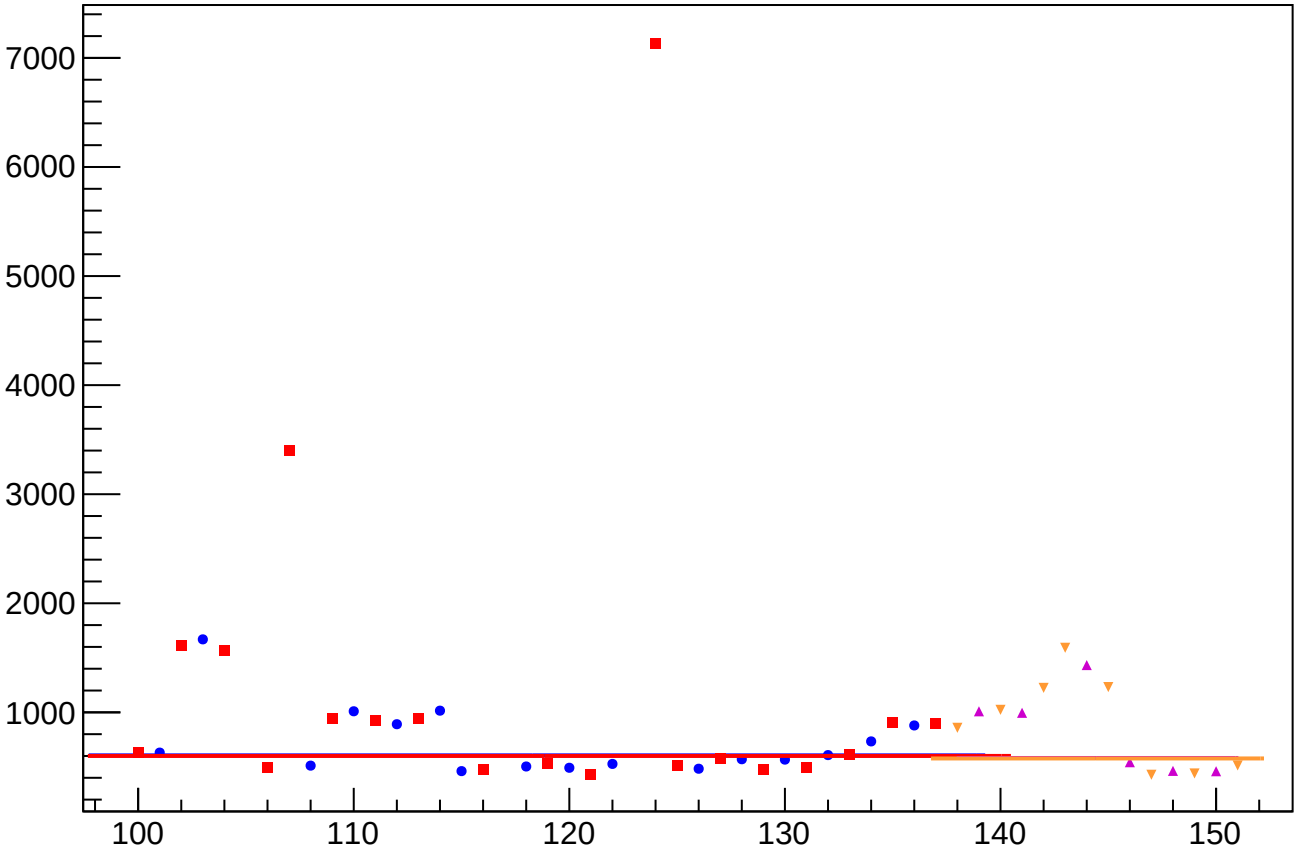
Left In: -52.400+/-275.965 χ^2/NDF:1.0/5

\+ sign -140.683+/-174.767 χ^2/NDF: 34.5/23

All: -44.458+/-126.161 χ^2/NDF: 56.6/48

\- sign 60.252+/-182.310 χ^2/NDF: 21.4/24

asym_at1_avg_dit_correction_rms vs Slug



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 577.367+/-0.183 χ^2/NDF:2185516.6/7

Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

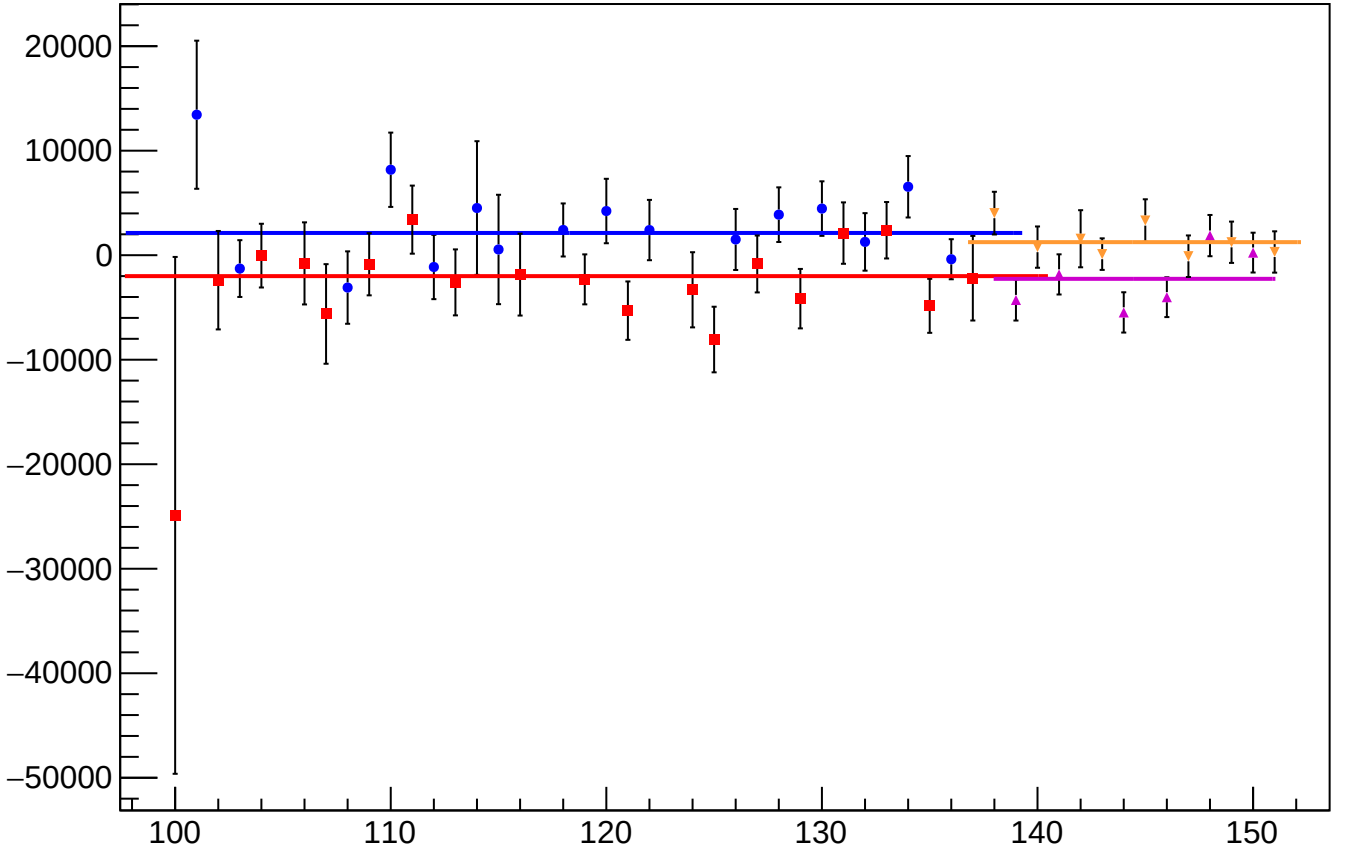
Left In: 581.574+/-0.195 χ^2/NDF:1471546.2/5

+ sign 592.638+/-0.124 χ^2/NDF: 3360761.6/23

All: 592.433+/-0.089 χ^2/NDF: 7166108.6/48

- sign 592.210+/-0.129 χ^2/NDF: 3805341.3/24

eigen_dit_asym_at1_avg_mean vs Slug



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1249.191+/-694.212 χ^2/NDF:4.2/7

Right Out: -2002.218+/-737.195 χ^2/NDF: 16.7/18

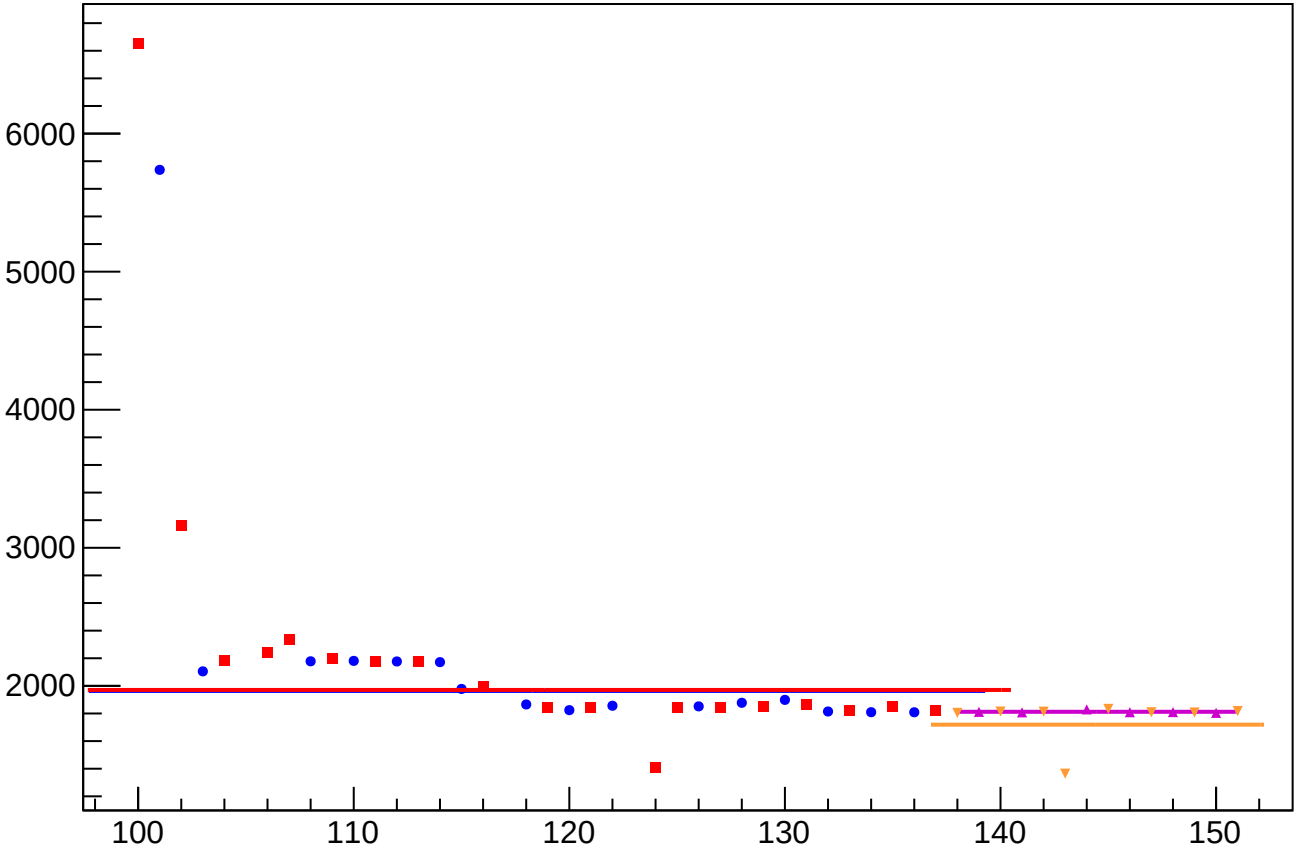
Left In: -2261.736+/-789.243 χ^2/NDF:10.9/5

+ sign 1657.239+/-508.281 χ^2/NDF: 21.5/23

All: -123.079+/-369.707 χ^2/NDF: 75.2/48

- sign -2123.138+/-538.737 χ^2/NDF: 27.7/24

eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1718.992+/-0.491 χ^2/NDF:140267.6/7

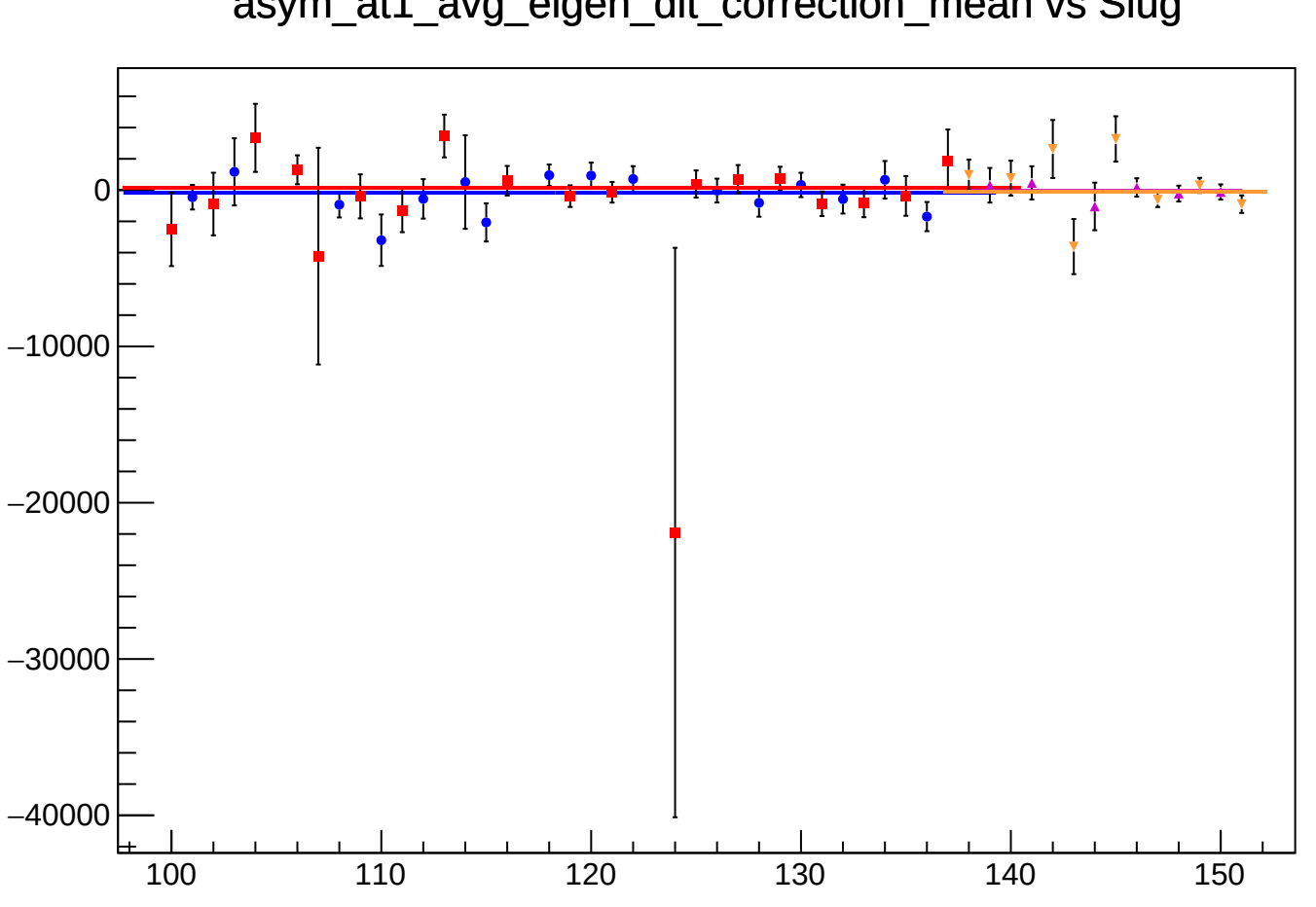
Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1812.224+/-0.558 χ^2/NDF:211.6/5

+ sign 1832.386+/-0.359 χ^2/NDF: 895542.4/23

All: 1862.688+/-0.261 χ^2/NDF: 1298914.0/48

- sign 1896.731+/-0.381 χ^2/NDF: 388277.5/24



Right In: -170.773+/-236.912 χ^2/NDF: 17.2/15

Left Out: -104.758+/-258.860 χ^2/NDF:17.2/7

Right Out: 147.489+/-242.847 χ^2/NDF: 20.1/18

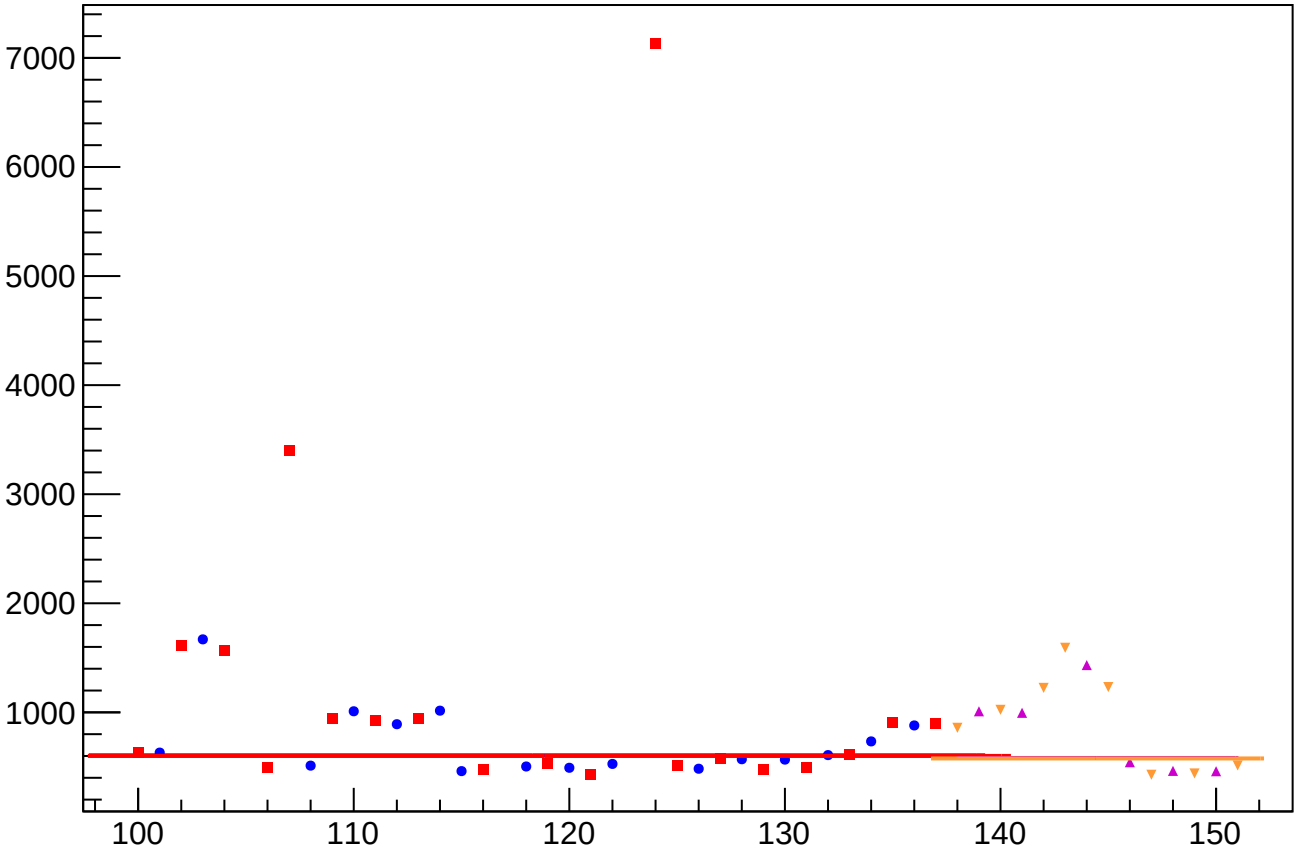
Left In: -52.400+/-275.966 χ^2/NDF:1.0/5

\+ sign -140.682+/-174.767 χ^2/NDF: 34.5/23

All: -44.458+/-126.161 χ^2/NDF: 56.6/48

\- sign 60.252+/-182.310 χ^2/NDF: 21.4/24

asym_at1_avg_eigen_dit_correction_rms vs Slug



Right In: 605.429+/-0.168 χ^2/NDF: 1162462.4/15

Left Out: 577.369+/-0.183 χ^2/NDF:2185511.8/7

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

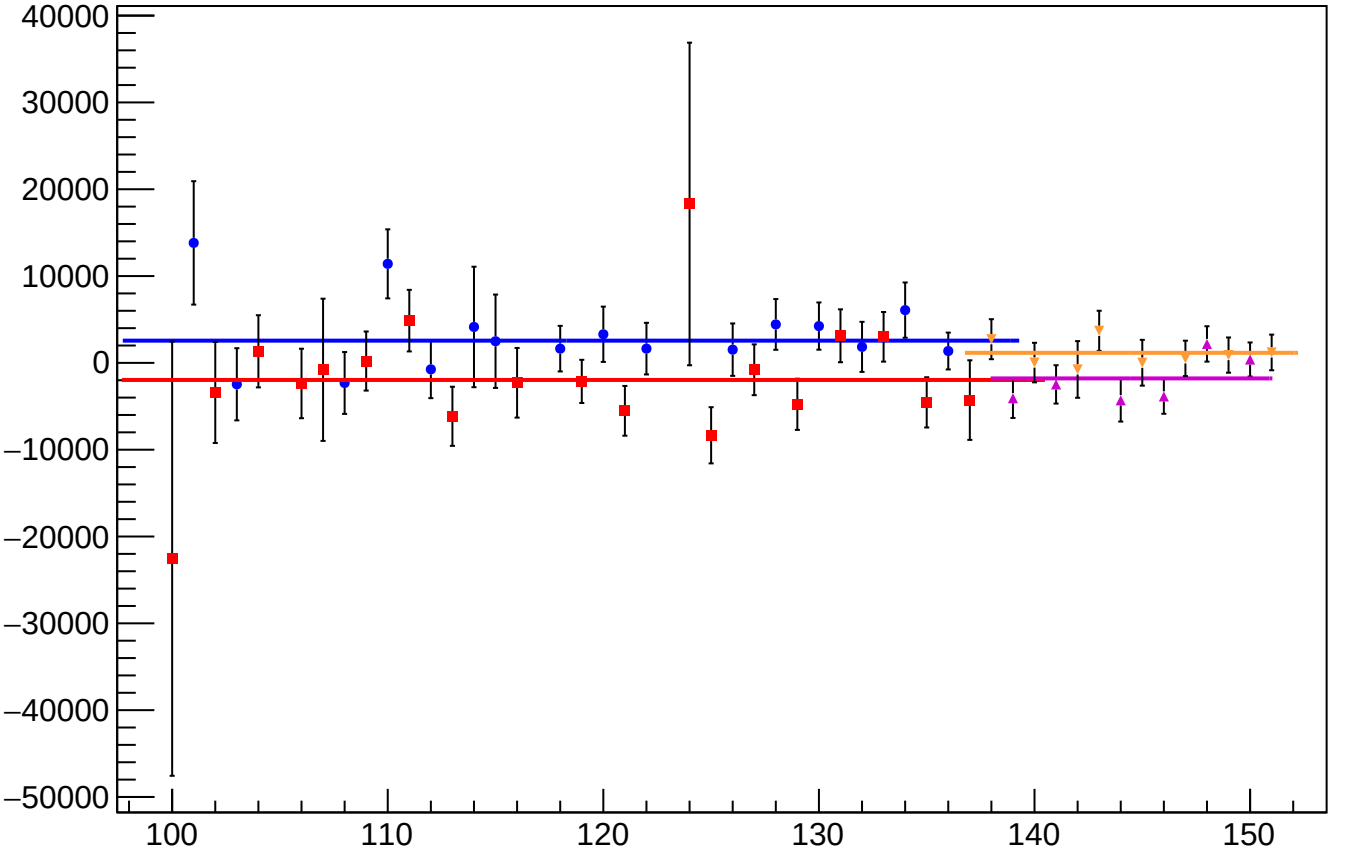
Left In: 581.576+/-0.195 χ^2/NDF:1471543.3/5

+ sign 592.638+/-0.124 χ^2/NDF: 3360762.7/23

All: 592.434+/-0.089 χ^2/NDF: 7166113.8/48

- sign 592.211+/-0.129 χ^2/NDF: 3805345.3/24

asym_at1_avg_mean vs Slug



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 1159.855+/-809.309 χ^2/NDF:2.6/7

Right Out: -1966.731+/-818.839 χ^2/NDF: 21.6/18

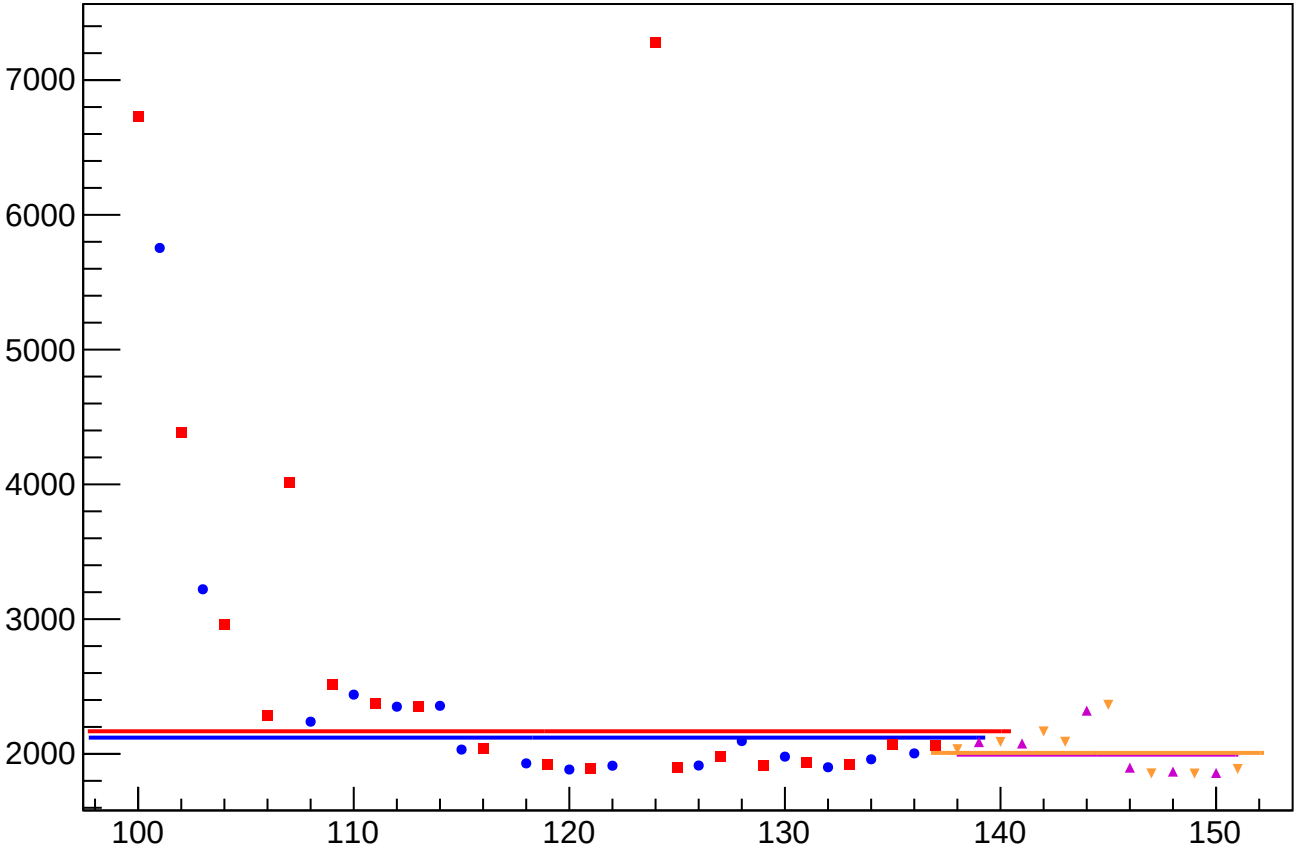
Left In: -1788.904+/-871.722 χ^2/NDF:8.3/5

+ sign 1860.110+/-572.391 χ^2/NDF: 18.7/23

All: 66.568+/-413.110 χ^2/NDF: 69.0/48

- sign -1883.375+/-596.827 χ^2/NDF: 29.9/24

asym_at1_avg_rms vs Slug



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 2007.423+/-0.572 χ^2/NDF:76083.8/7

Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

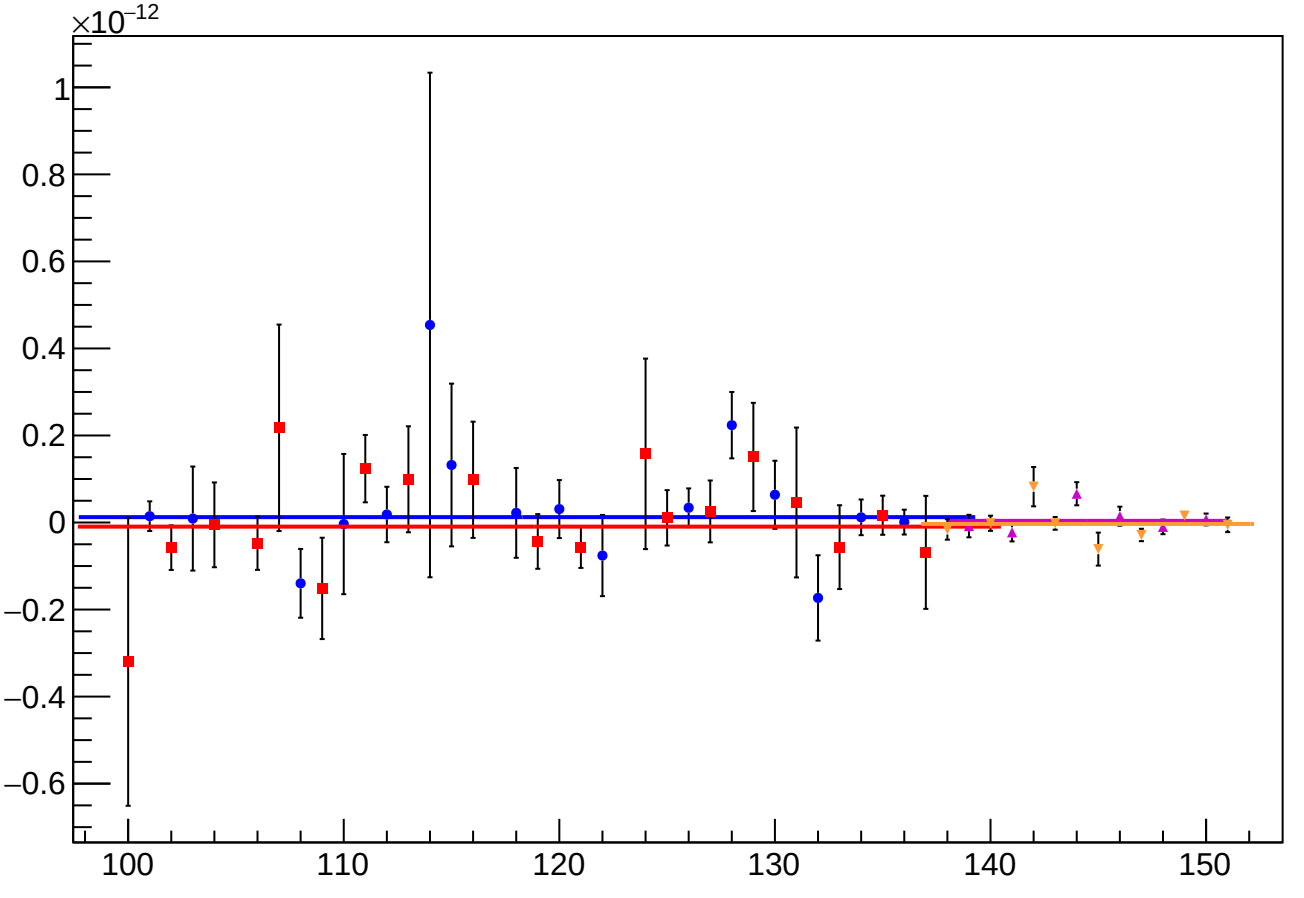
Left In: 1994.266+/-0.616 χ^2/NDF:63505.7/5

+ sign 2064.076+/-0.405 χ^2/NDF: 855662.4/23

All: 2074.809+/-0.292 χ^2/NDF: 1786686.8/48

- sign 2086.477+/-0.422 χ^2/NDF: 929556.7/24

asym_at1_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:12.1/7

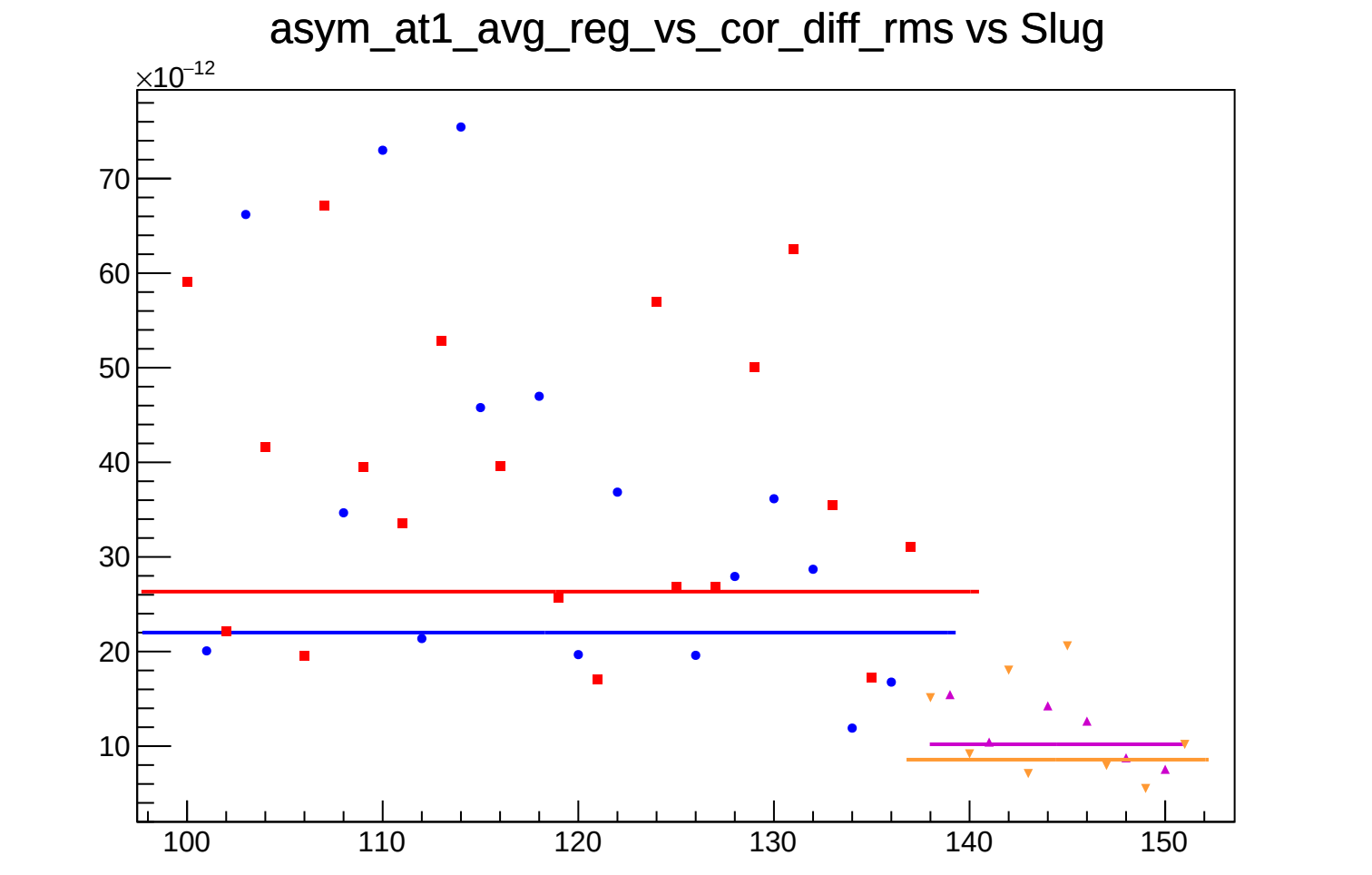
Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:8.3/5

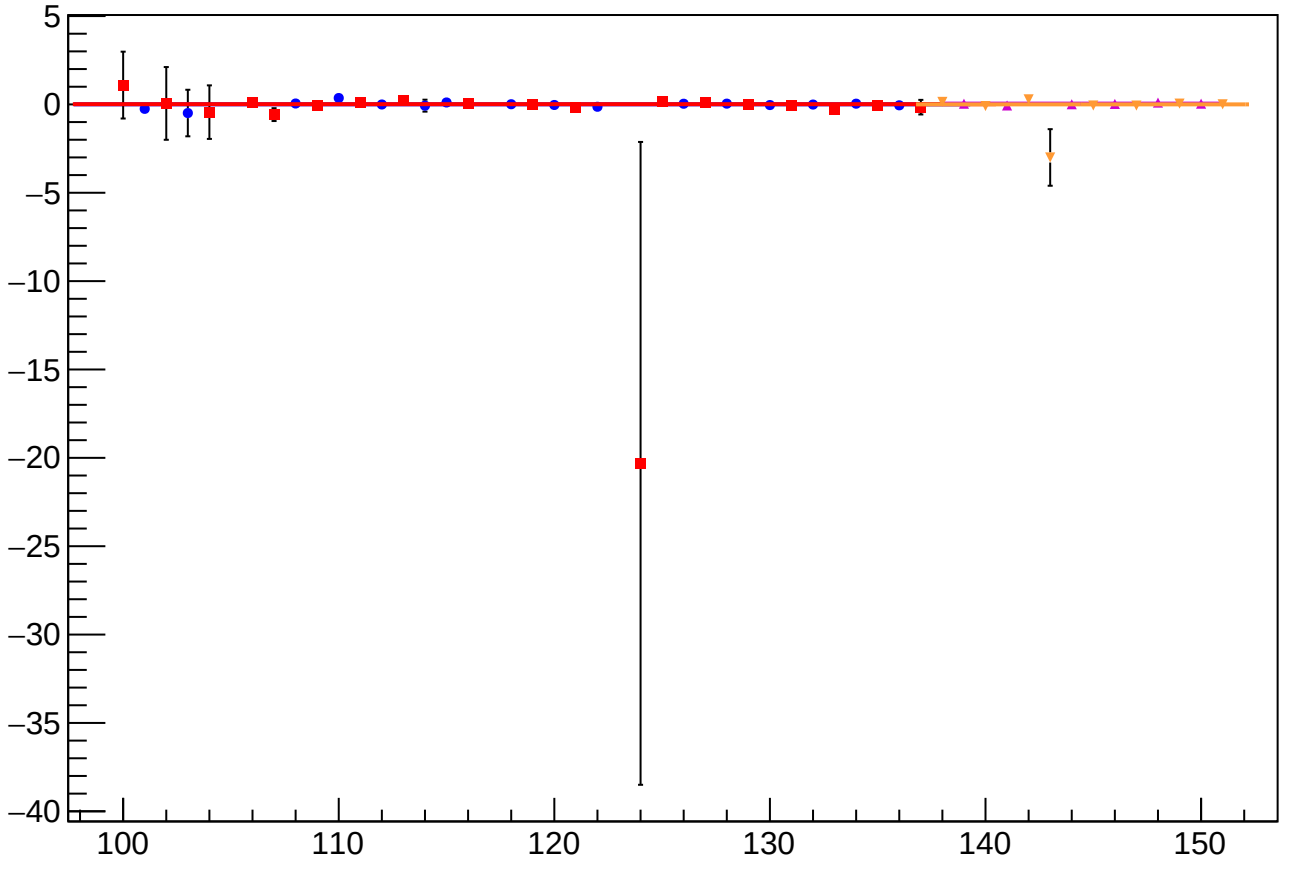
+ sign -0.000+/-0.000 χ^2/NDF: 30.9/23

All: 0.000+/-0.000 χ^2/NDF: 53.5/48

- sign 0.000+/-0.000 χ^2/NDF: 22.5/24


asym_at1_avg_reg_vs_cor_diff_rms vs Slug
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1032604.8/15
Left Out: 0.000+/-0.000 χ²/NDF:626545.0/7
Right Out: 0.000+/-0.000 χ²/NDF: 705211.2/18
Left In: 0.000+/-0.000 χ²/NDF:244337.8/5
+ sign 0.000+/-0.000 χ²/NDF: 3079077.8/23
All: 0.000+/-0.000 χ²/NDF: 5493612.4/48
- sign 0.000+/-0.000 χ²/NDF: 2295955.4/24

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.001+/-0.025 χ^2/NDF:13.4/7

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

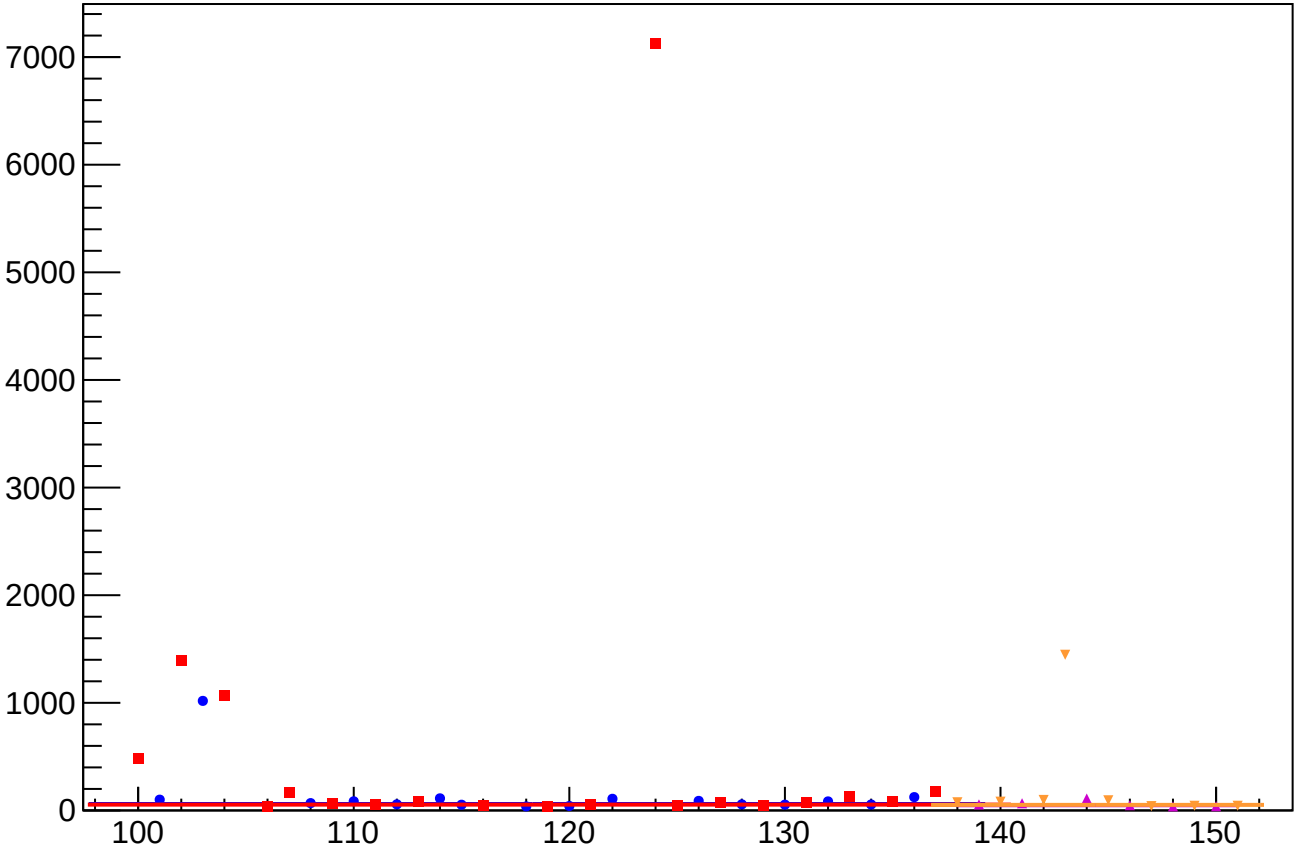
Left In: 0.044+/-0.024 χ^2/NDF:3.7/5

+ sign 0.003+/-0.018 χ^2/NDF: 24.7/23

All: 0.017+/-0.013 χ^2/NDF: 48.0/48

- sign 0.030+/-0.018 χ^2/NDF: 22.1/24

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 51.827+/-0.018 χ^2/NDF:2528897.1/7

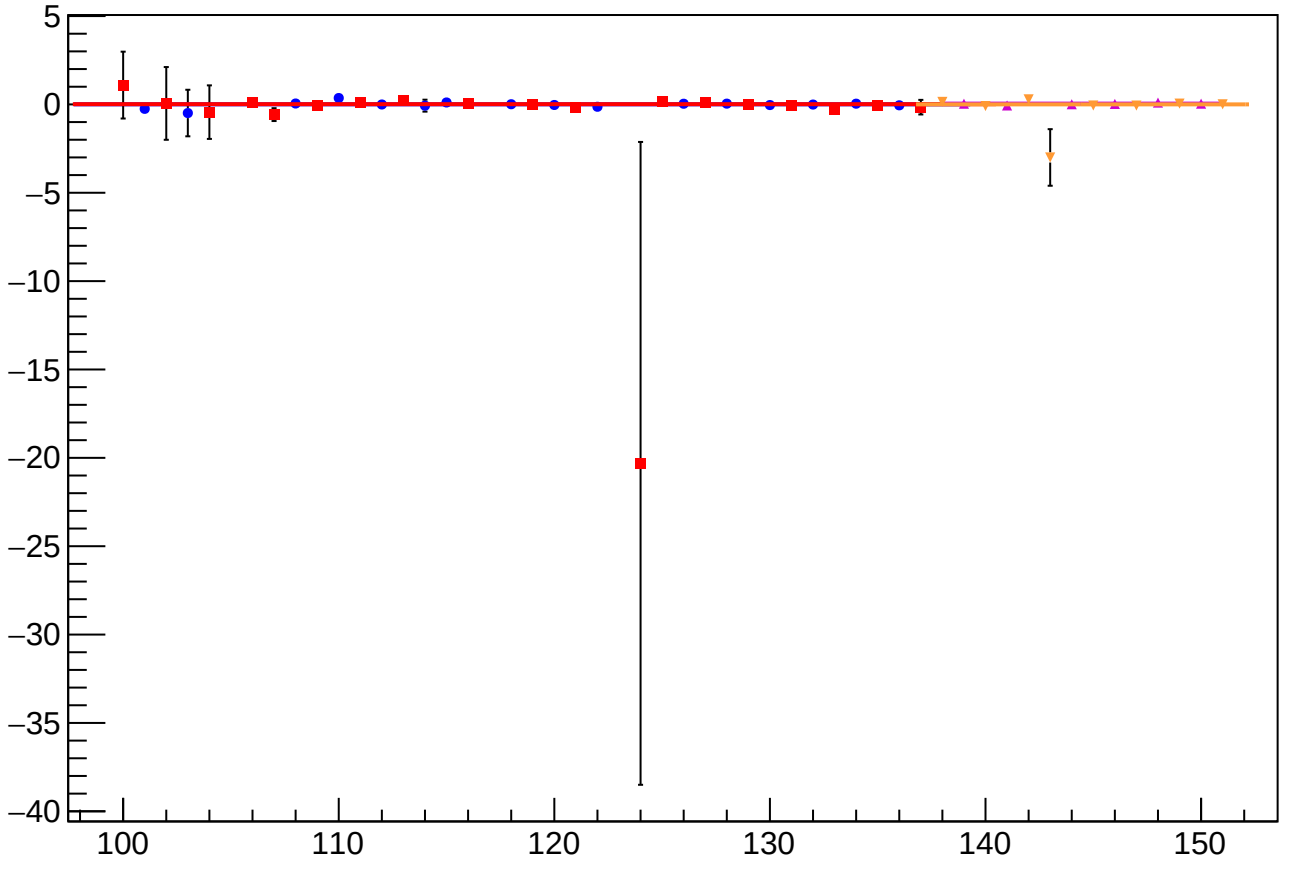
Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 48.441+/-0.017 χ^2/NDF:864338.9/5

+ sign 55.595+/-0.013 χ^2/NDF: 5163064.7/23

All: 53.264+/-0.009 χ^2/NDF: 9665460.4/48

- sign 51.126+/-0.012 χ^2/NDF: 4440355.4/24



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.001+/-0.025 χ^2/NDF:13.4/7

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

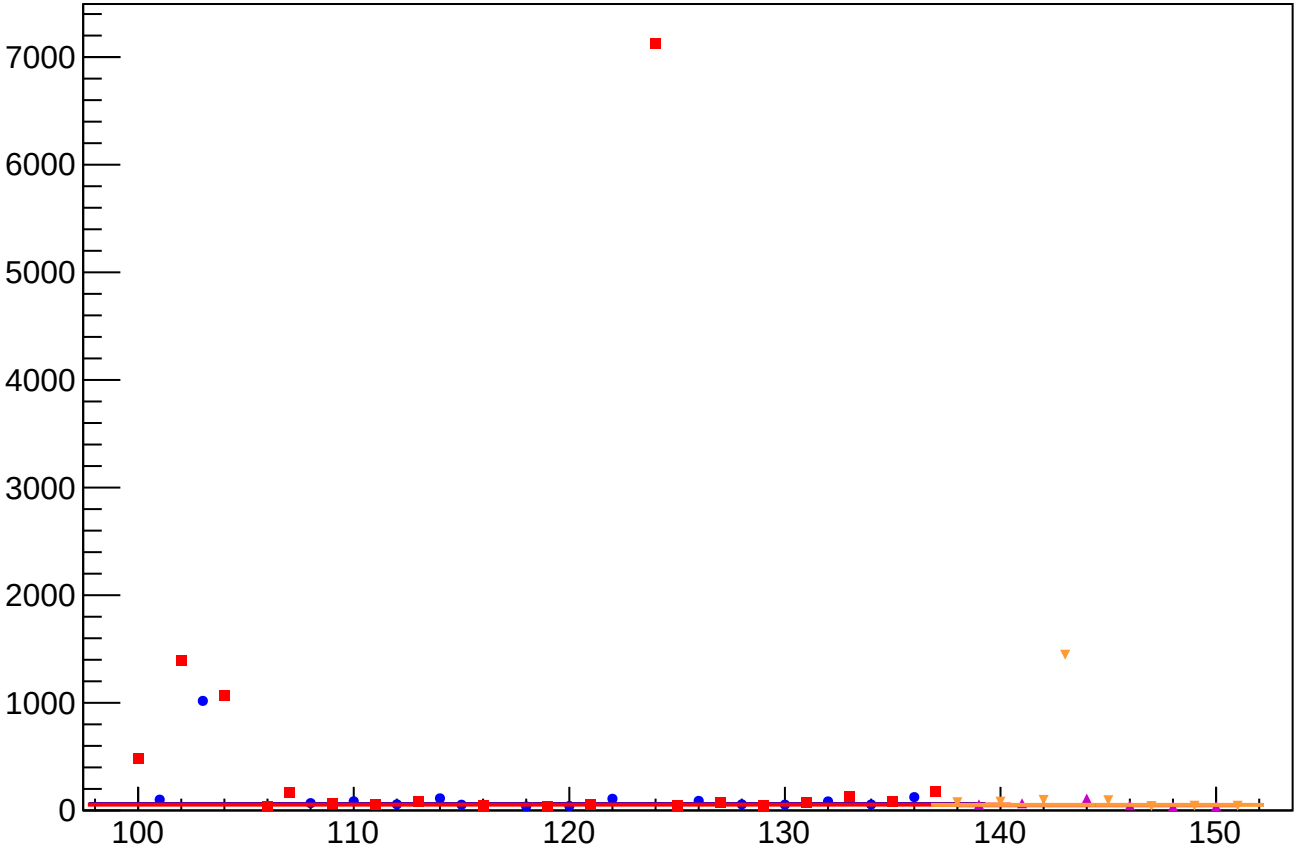
Left In: 0.044+/-0.024 χ^2/NDF:3.7/5

+ sign 0.003+/-0.018 χ^2/NDF: 24.7/23

All: 0.017+/-0.013 χ^2/NDF: 48.0/48

- sign 0.030+/-0.018 χ^2/NDF: 22.1/24

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: 51.827+/-0.018 χ^2/NDF:2528897.1/7

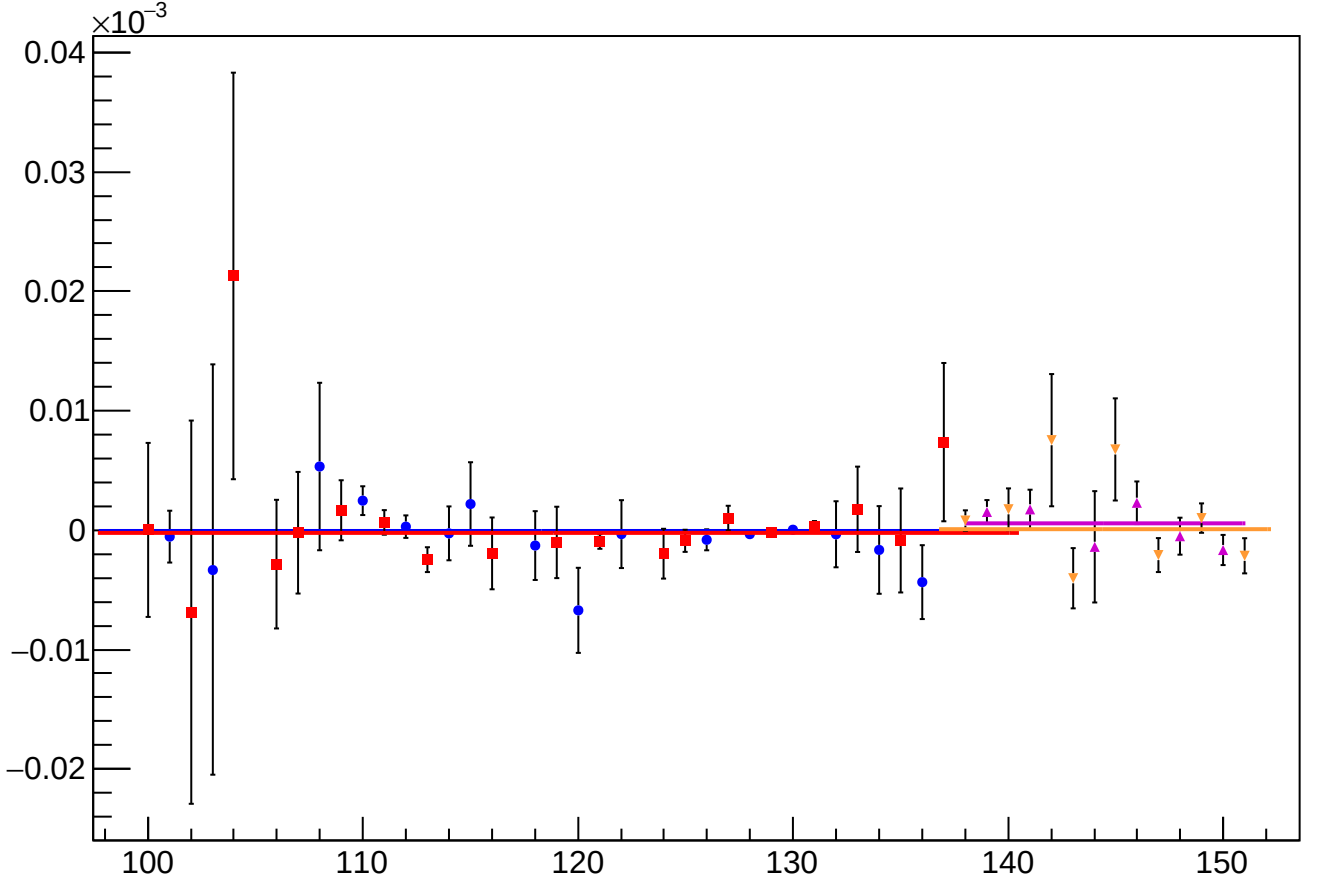
Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 48.441+/-0.017 χ^2/NDF:864338.9/5

+ sign 55.595+/-0.013 χ^2/NDF: 5163064.7/23

All: 53.264+/-0.009 χ^2/NDF: 9665460.4/48

- sign 51.126+/-0.012 χ^2/NDF: 4440355.4/24



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.7/7

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

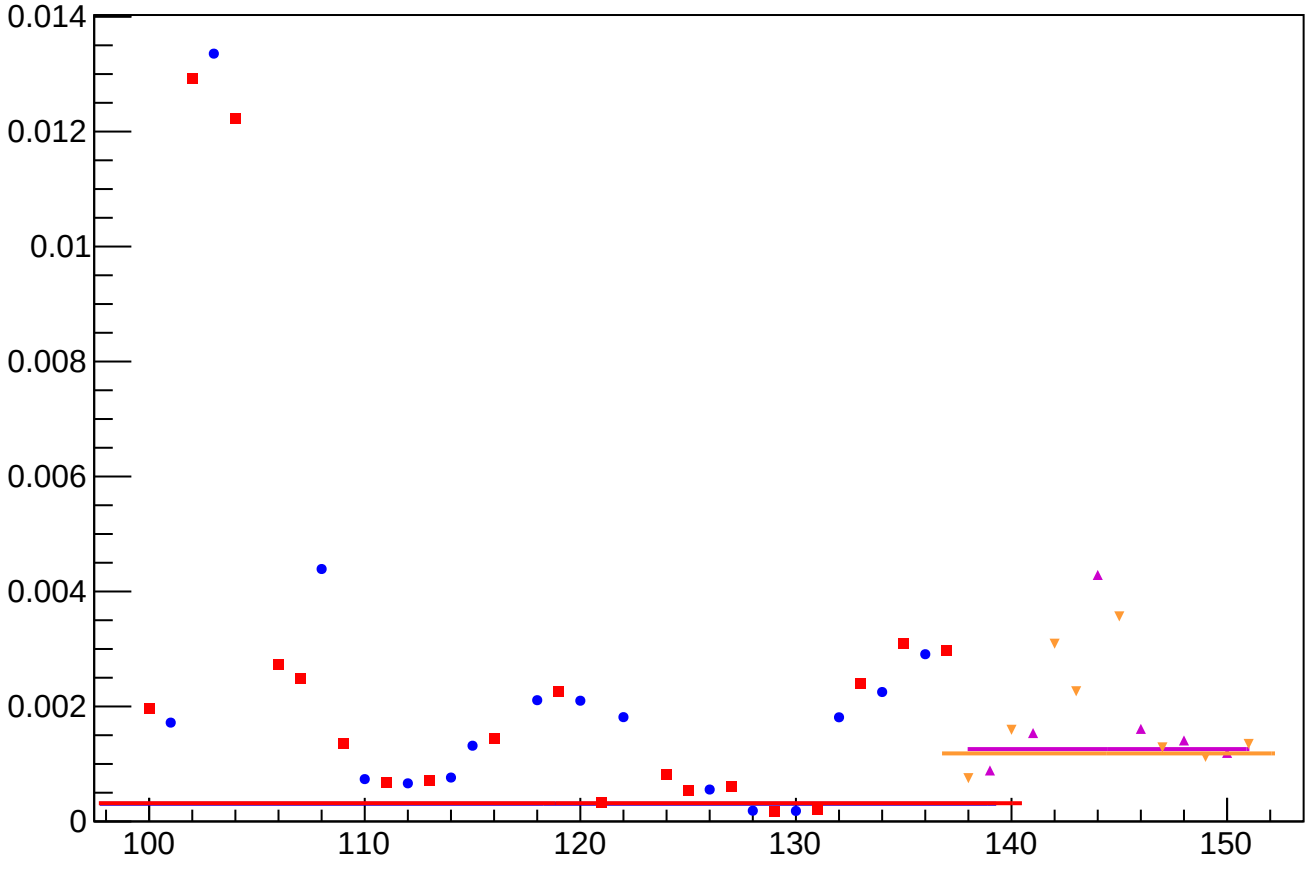
Left In: 0.000+/-0.000 χ^2/NDF:6.1/5

\+ sign -0.000+/-0.000 χ^2/NDF: 26.6/23

All: -0.000+/-0.000 χ^2/NDF: 50.1/48

\- sign -0.000+/-0.000 χ^2/NDF: 23.4/24

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:1889136.2/7

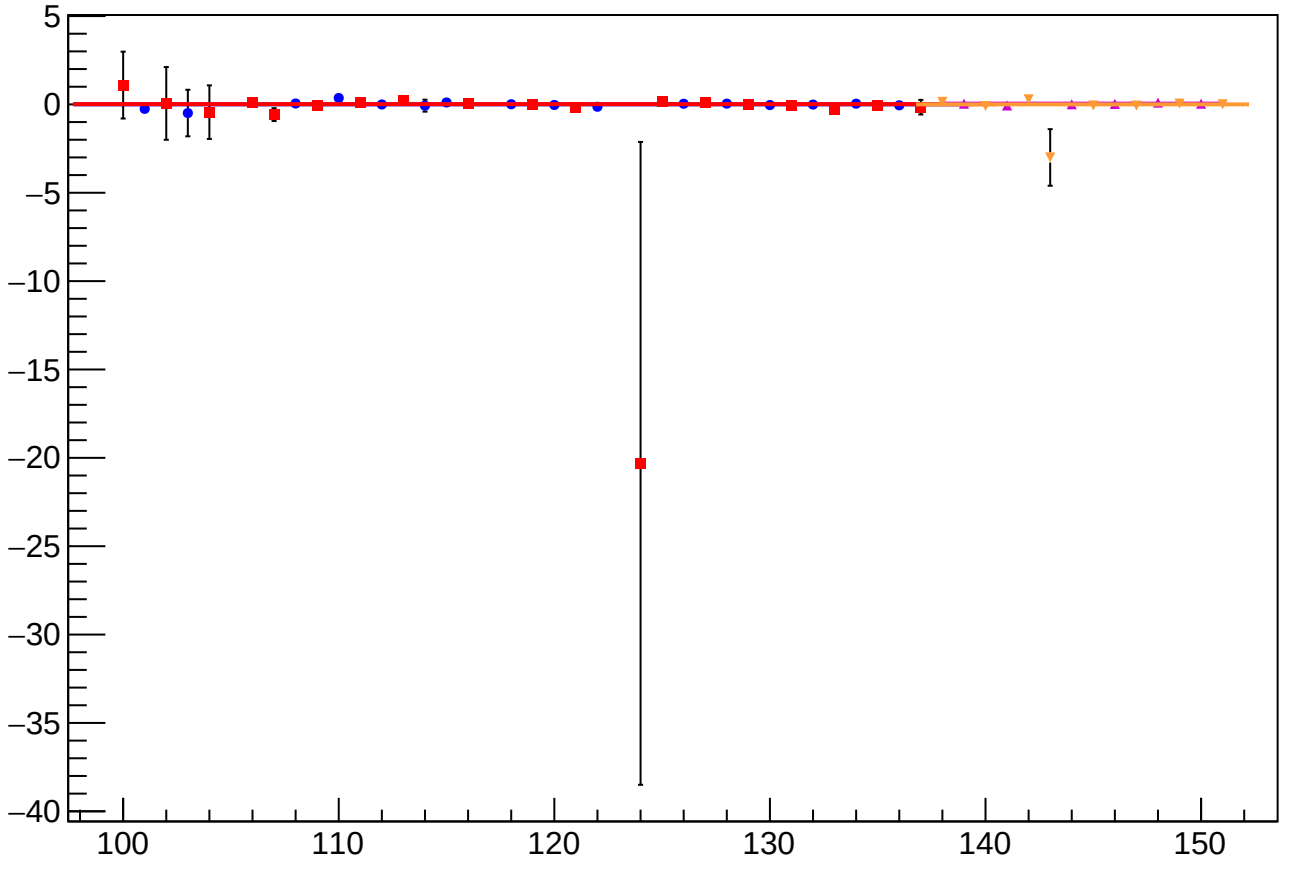
Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:1289012.8/5

+ sign 0.000+/-0.000 χ^2/NDF: 15458561.1/23

All: 0.000+/-0.000 χ^2/NDF: 29254500.8/48

- sign 0.000+/-0.000 χ^2/NDF: 13795044.3/24



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.001+/-0.025 χ^2/NDF:13.4/7

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

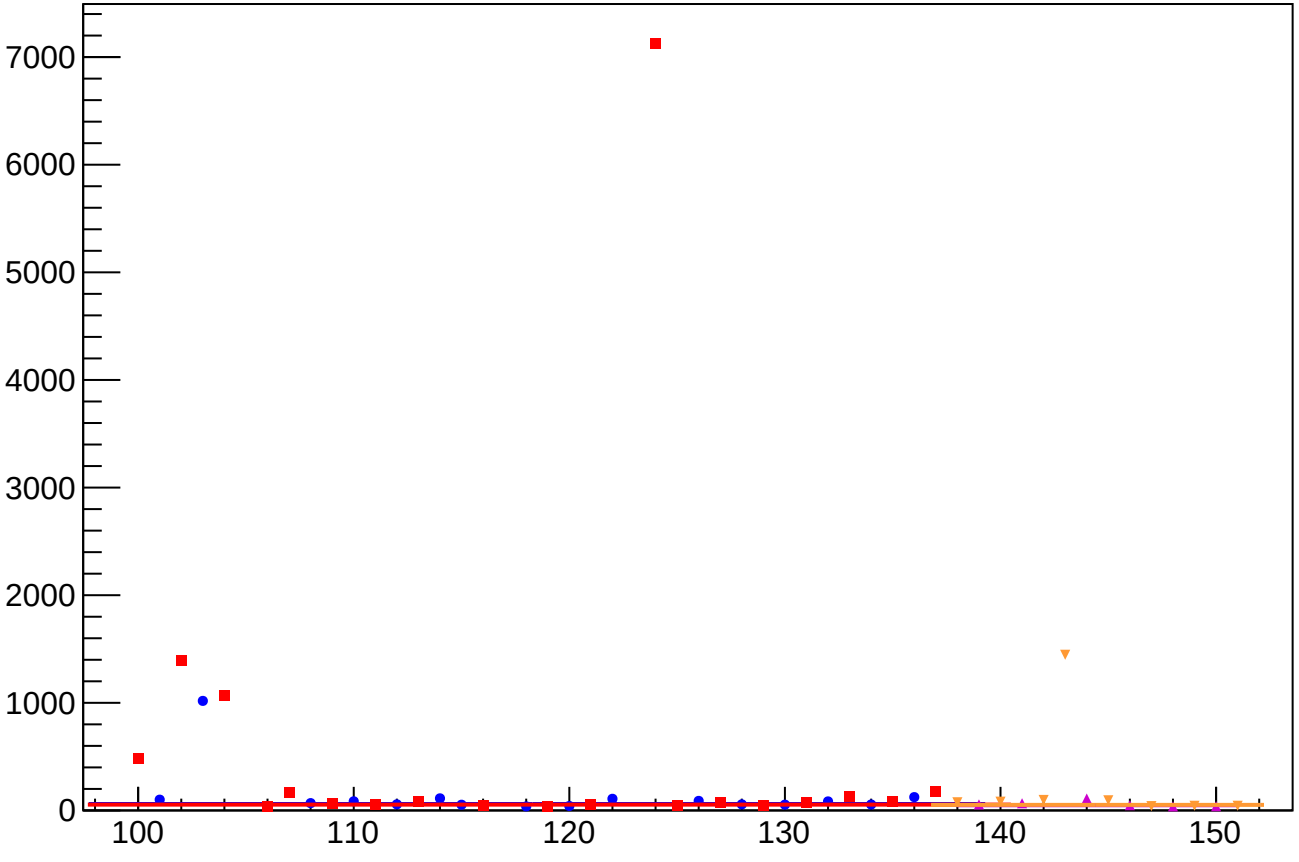
Left In: 0.044+/-0.024 χ^2/NDF:3.7/5

+ sign 0.003+/-0.018 χ^2/NDF: 24.7/23

All: 0.017+/-0.013 χ^2/NDF: 48.0/48

- sign 0.030+/-0.018 χ^2/NDF: 22.1/24

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: 51.827+/-0.018 χ^2/NDF:2528875.5/7

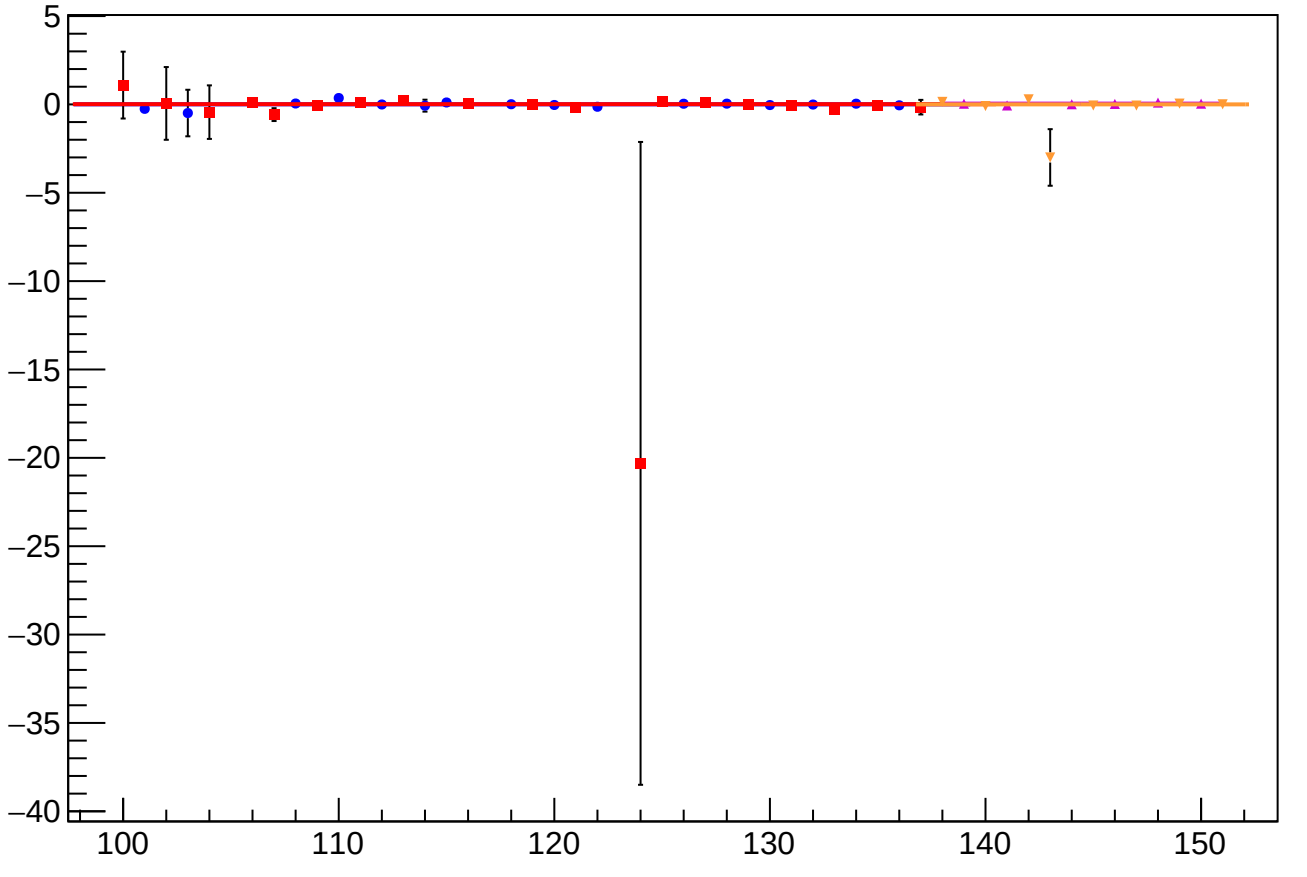
Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 48.441+/-0.017 χ^2/NDF:864341.6/5

+ sign 55.595+/-0.013 χ^2/NDF: 5163044.3/23

All: 53.264+/-0.009 χ^2/NDF: 9665502.0/48

- sign 51.126+/-0.012 χ^2/NDF: 4440400.6/24



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.001+/-0.025 χ^2/NDF:13.4/7

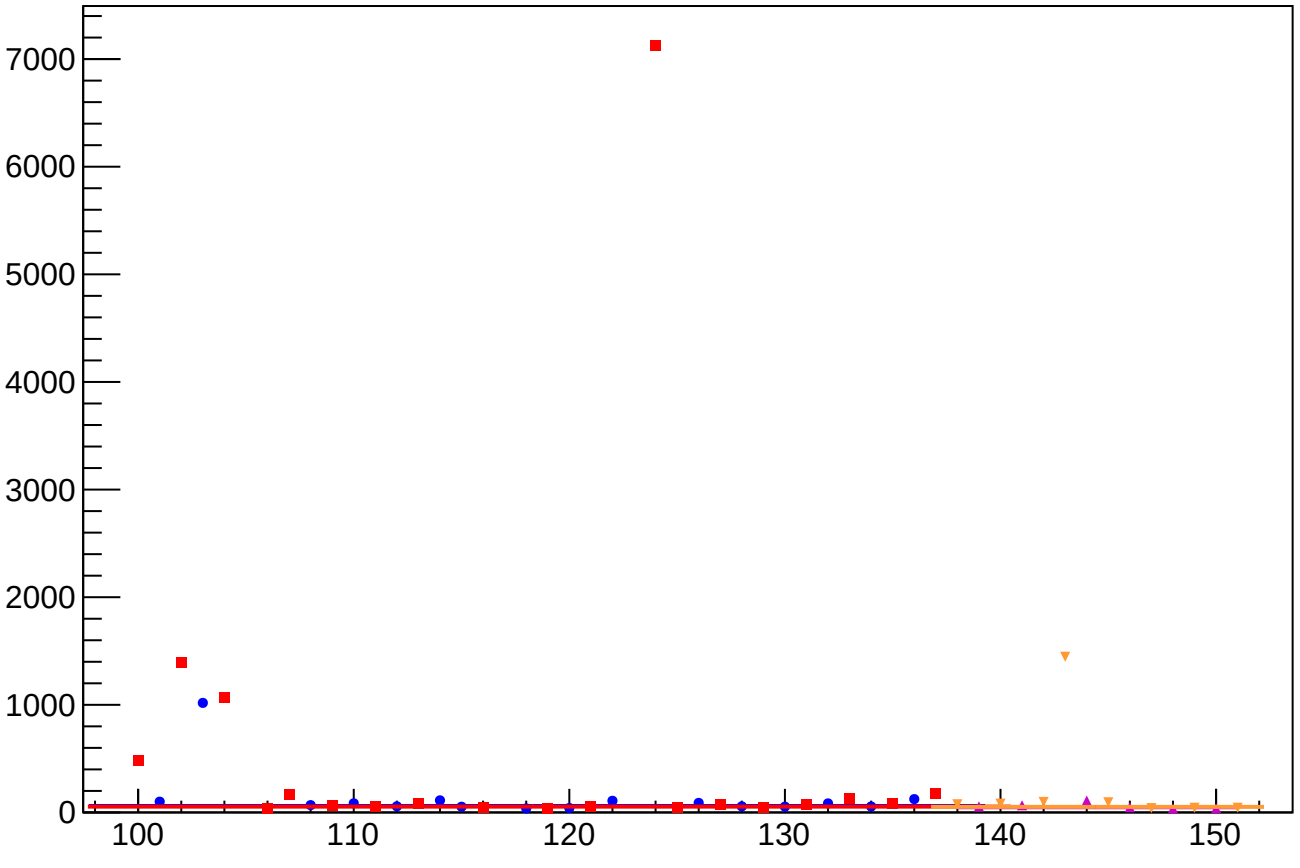
Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: 0.044+/-0.024 χ^2/NDF:3.7/5

+ sign 0.003+/-0.018 χ^2/NDF: 24.7/23

All: 0.017+/-0.013 χ^2/NDF: 48.0/48

- sign 0.030+/-0.018 χ^2/NDF: 22.1/24



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 51.827+/-0.018 χ^2/NDF:2528875.5/7

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

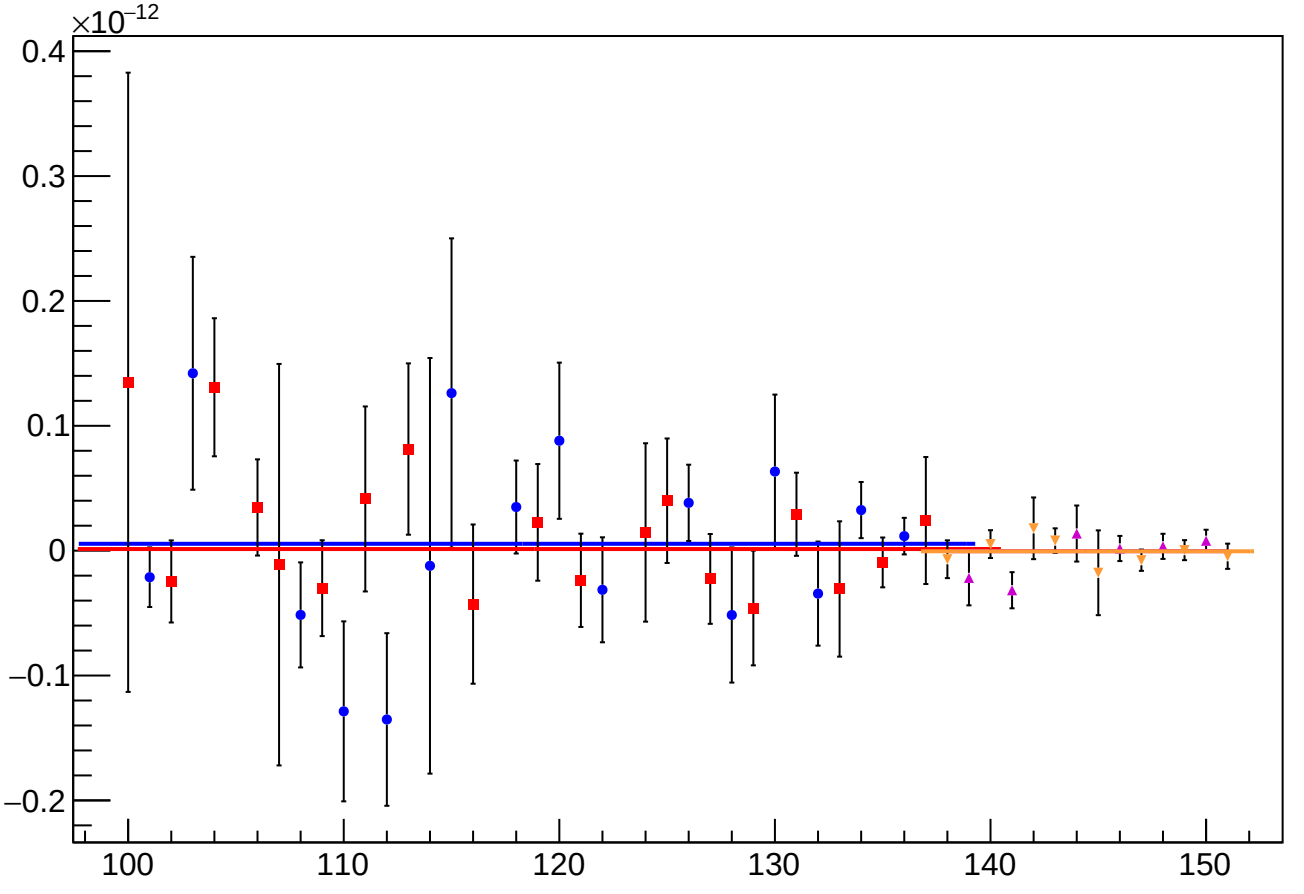
Left In: 48.441+/-0.017 χ^2/NDF:864341.6/5

+ sign 55.595+/-0.013 χ^2/NDF: 5163044.3/23

All: 53.264+/-0.009 χ^2/NDF: 9665502.0/48

- sign 51.126+/-0.012 χ^2/NDF: 4440400.6/24

asym_at1_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.9/7

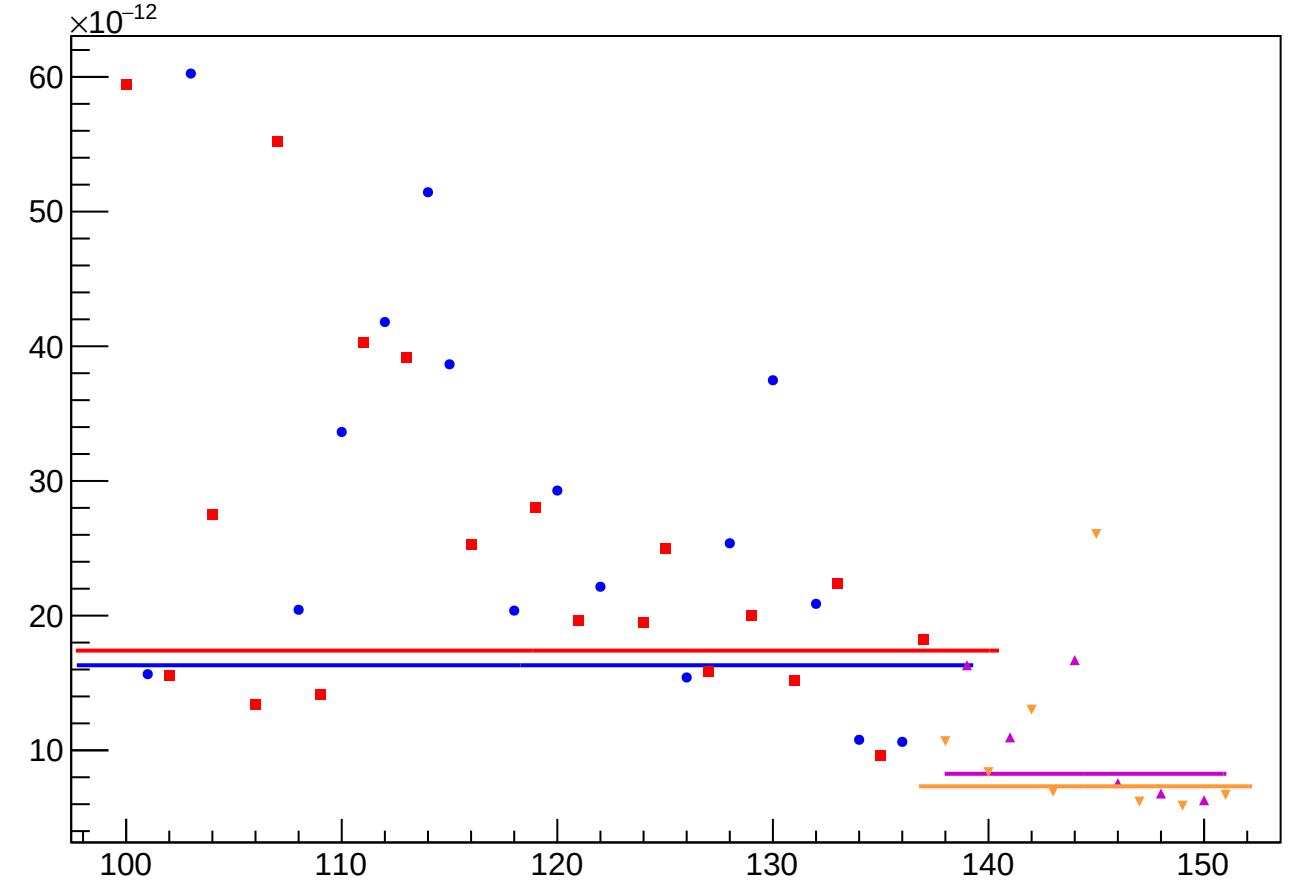
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:7.1/5

+ sign 0.000+/-0.000 χ^2/NDF: 25.9/23

All: 0.000+/-0.000 χ^2/NDF: 47.3/48

- sign -0.000+/-0.000 χ^2/NDF: 21.4/24



Right In: 0.000+/-0.000 χ^2/NDF: 1895019.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:941289.5/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1197059.5/18

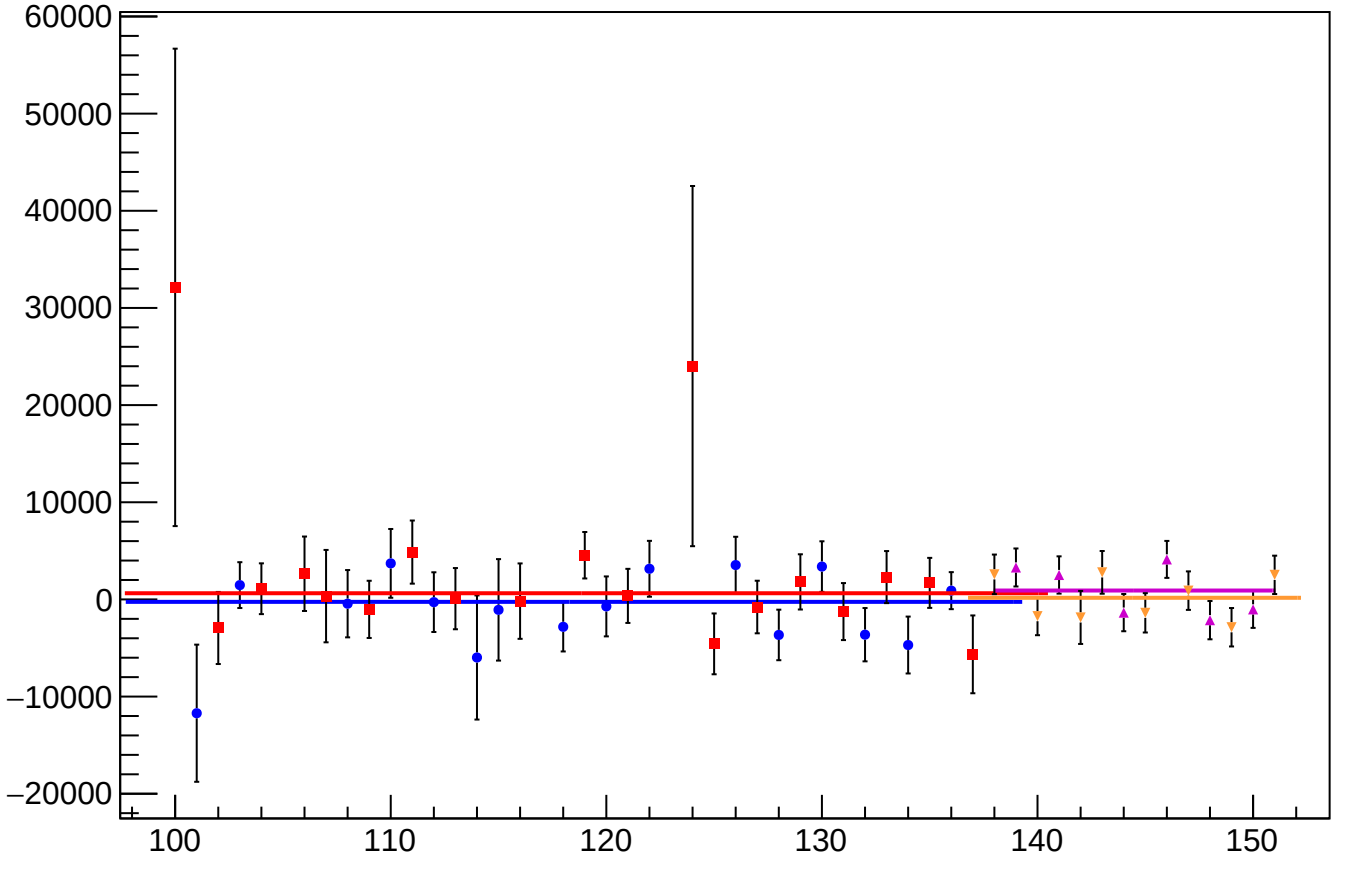
Left In: 0.000+/-0.000 χ^2/NDF:770918.2/5

+ sign 0.000+/-0.000 χ^2/NDF: 4625501.8/23

All: 0.000+/-0.000 χ^2/NDF: 8085125.5/48

- sign 0.000+/-0.000 χ^2/NDF: 3365216.7/24

reg_asym_at1_dd_mean vs Slug



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: 167.039+/-734.538 χ^2/NDF:8.8/7

Right Out: 636.082+/-735.477 χ^2/NDF: 15.9/18

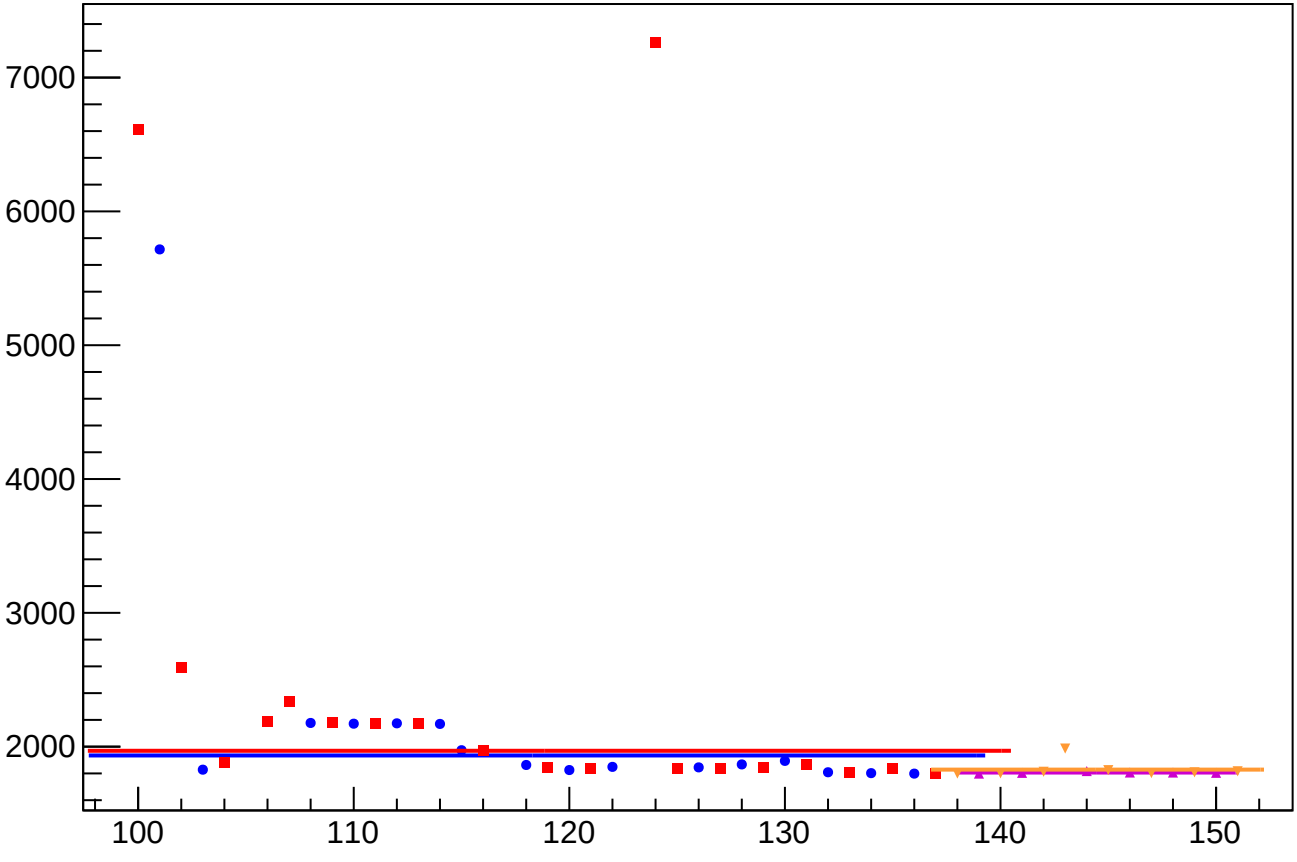
Left In: 915.504+/-786.741 χ^2/NDF:9.9/5

+ sign -41.965+/-519.599 χ^2/NDF: 26.2/23

All: 348.702+/-373.503 χ^2/NDF: 53.2/48

- sign 766.394+/-537.270 χ^2/NDF: 25.8/24

reg_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1828.462+/-0.519 χ^2/NDF:11791.9/7

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

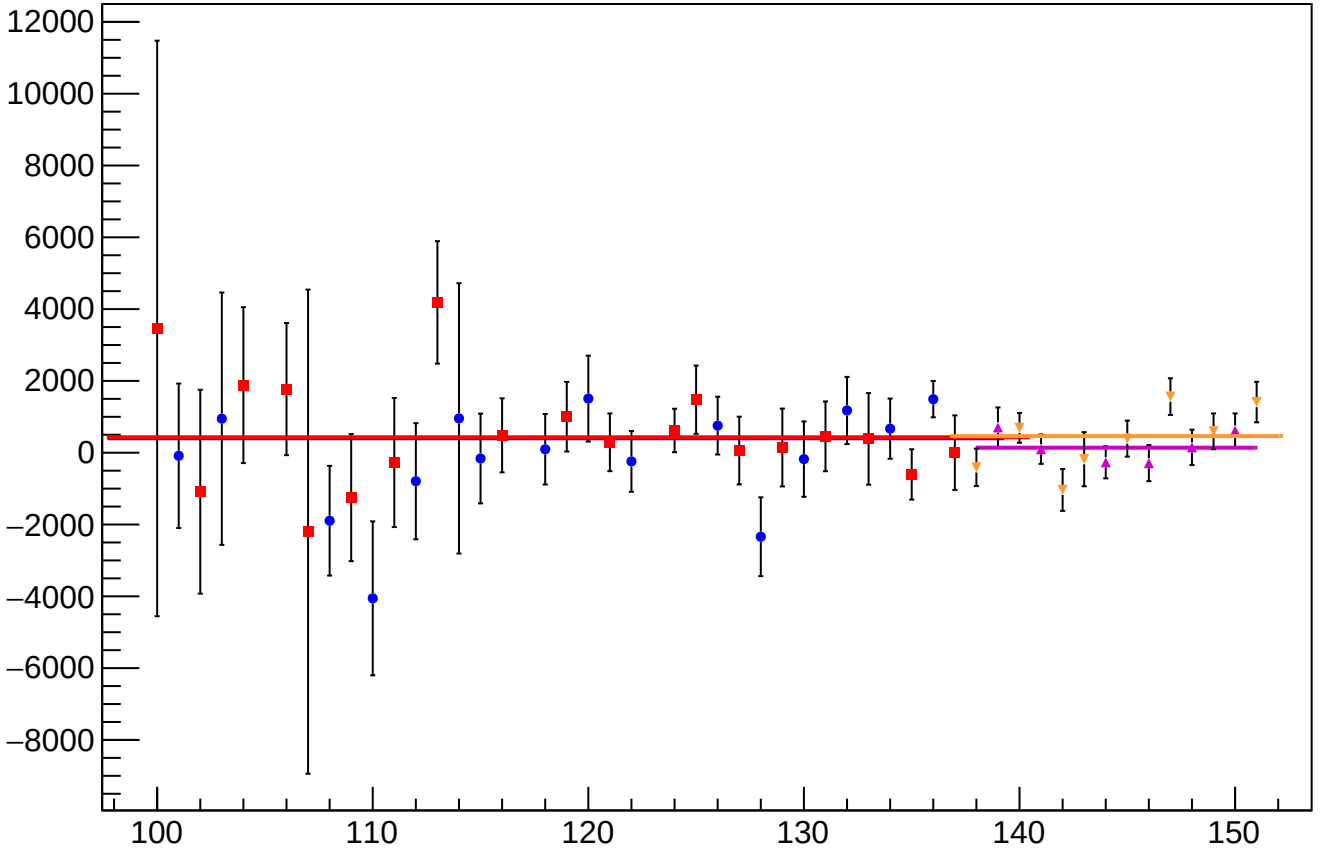
Left In: 1806.586+/-0.556 χ^2/NDF:104.7/5

+ sign 1881.298+/-0.367 χ^2/NDF: 672424.4/23

All: 1887.130+/-0.264 χ^2/NDF: 1097028.1/48

- sign 1893.365+/-0.380 χ^2/NDF: 424082.2/24

asym_at1_dd_reg_correction_mean vs Slug



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 462.853+/-185.349 χ^2/NDF:18.0/7

Right Out: 430.066+/-252.823 χ^2/NDF: 11.7/18

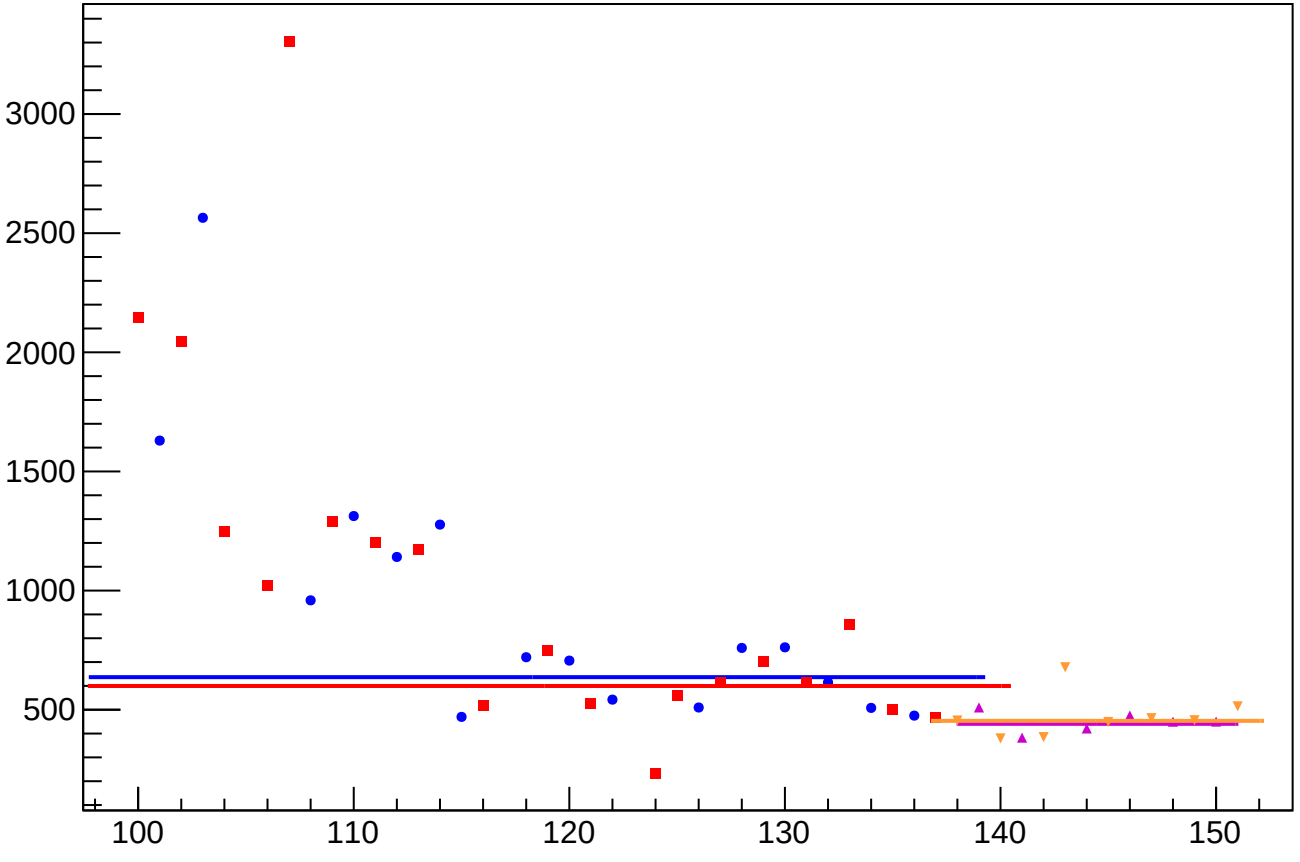
Left In: 140.031+/-193.516 χ^2/NDF:3.6/5

+ sign 442.411+/-150.644 χ^2/NDF: 39.2/23

All: 346.735+/-107.575 χ^2/NDF: 56.2/48

- sign 247.179+/-153.668 χ^2/NDF: 16.2/24

asym_at1_dd_reg_correction_rms vs Slug



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 453.295+/-0.131 χ^2/NDF:292504.5/7

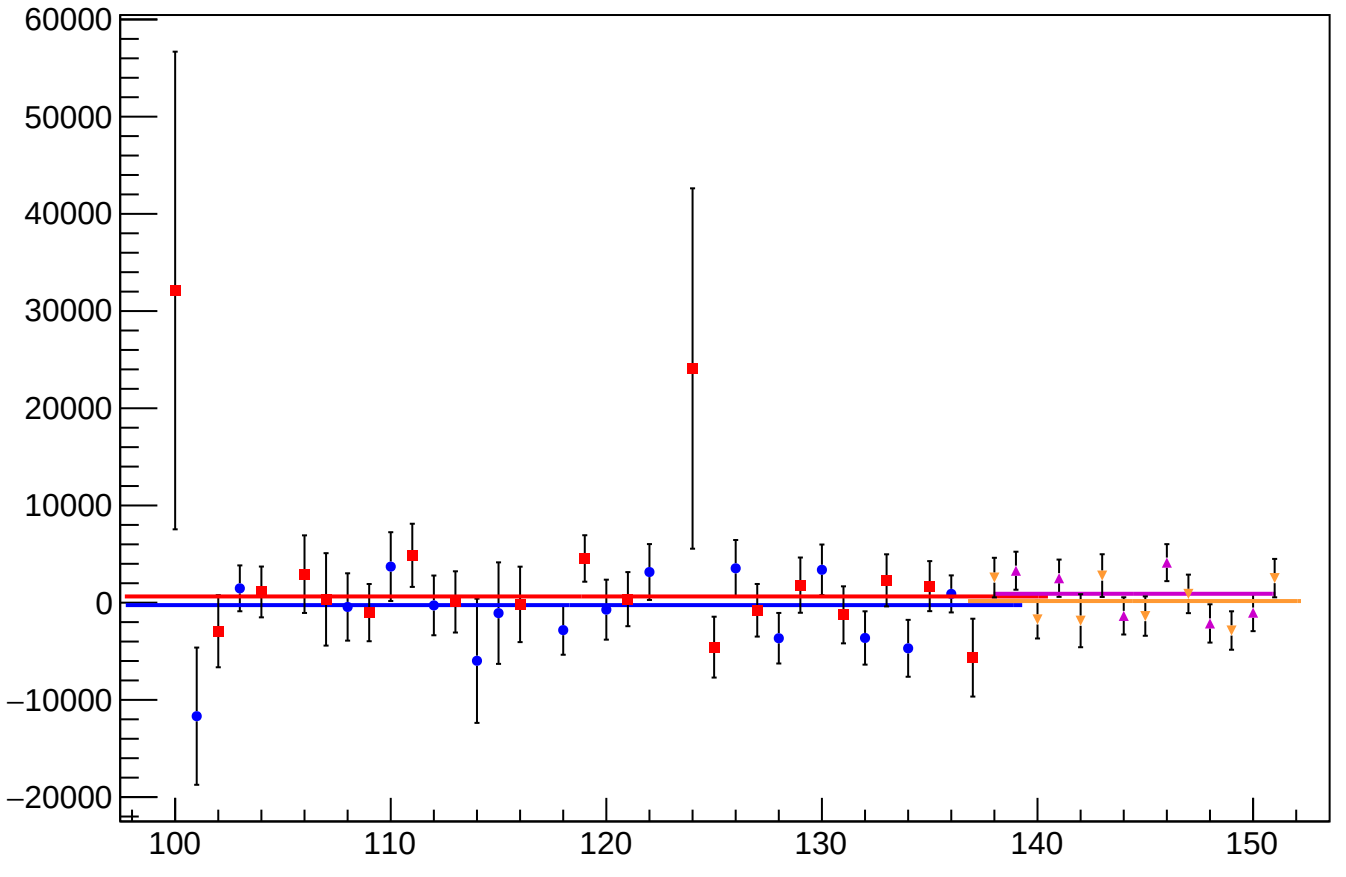
Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

Left In: 440.787+/-0.137 χ^2/NDF:85880.8/5

+ sign 515.546+/-0.107 χ^2/NDF: 3024068.8/23

All: 507.667+/-0.076 χ^2/NDF: 6563031.6/48

- sign 499.469+/-0.109 χ^2/NDF: 3527799.5/24



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: 166.891+/-734.538 χ^2/NDF:8.8/7

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

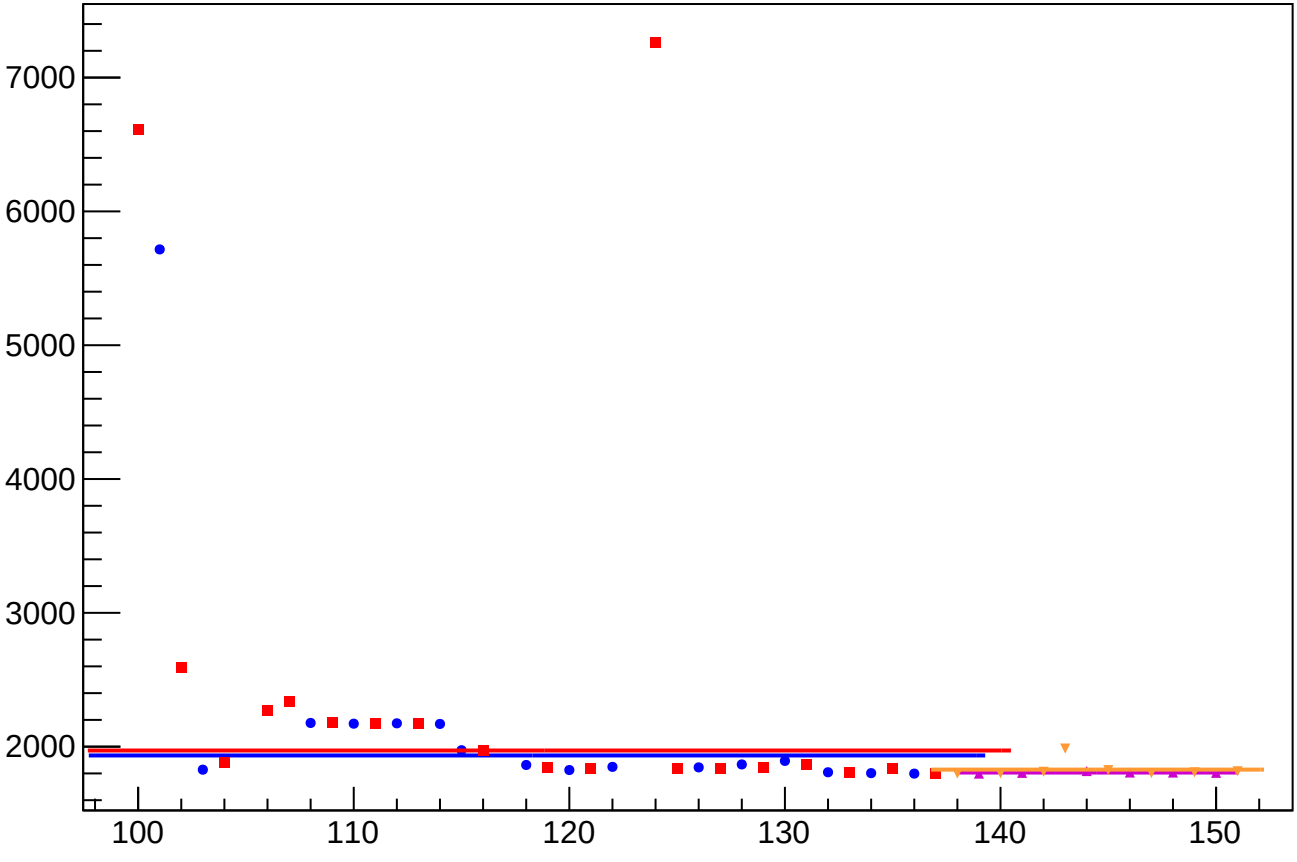
Left In: 915.553+/-786.741 χ^2/NDF:9.9/5

\+ sign -41.635+/-519.599 χ^2/NDF: 26.2/23

All: 349.899+/-373.643 χ^2/NDF: 53.3/48

\- sign 769.167+/-537.688 χ^2/NDF: 25.9/24

cor_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1828.462+/-0.519 χ^2/NDF:11791.9/7

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

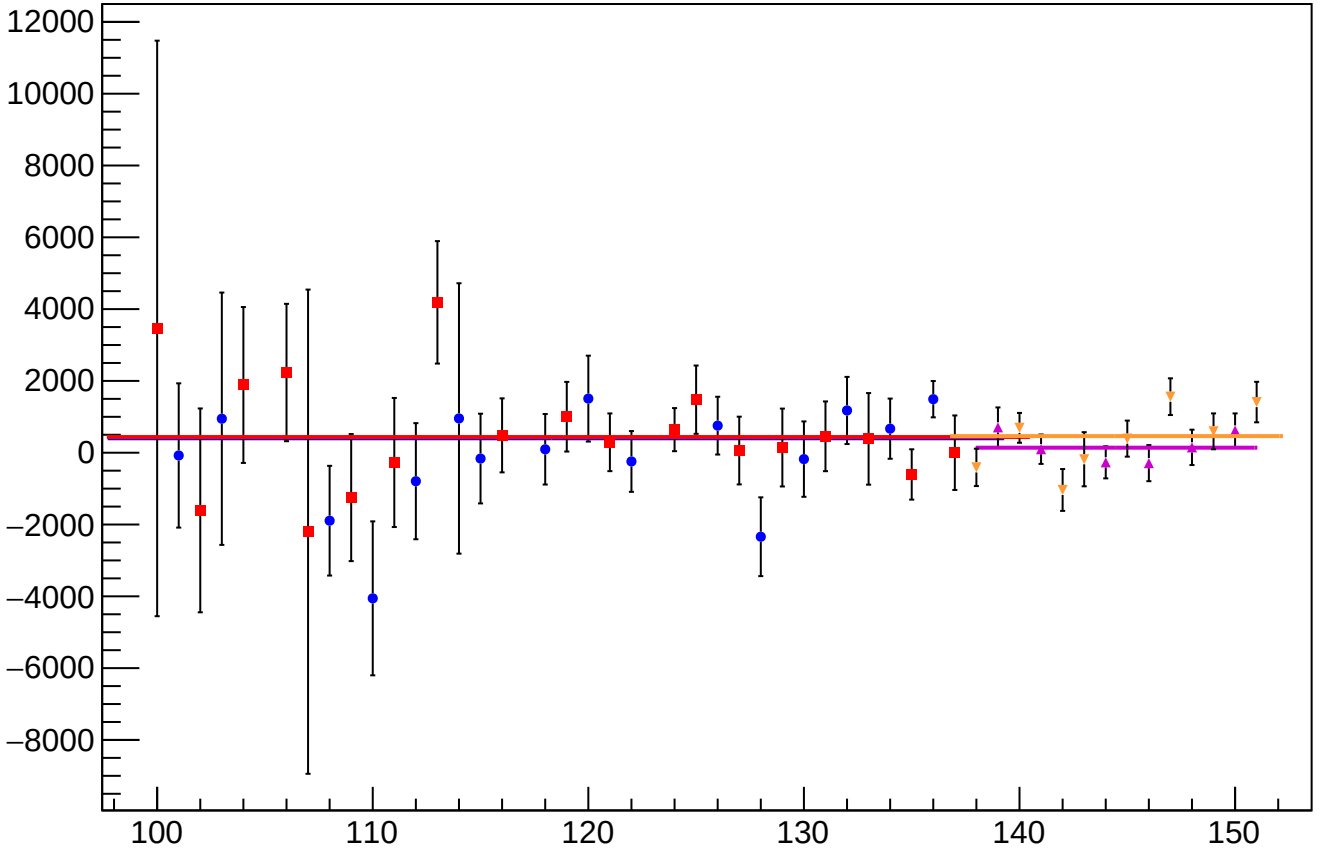
Left In: 1806.586+/-0.556 χ^2/NDF:104.7/5

+ sign 1881.298+/-0.367 χ^2/NDF: 672424.3/23

All: 1887.622+/-0.264 χ^2/NDF: 1103069.6/48

- sign 1894.395+/-0.380 χ^2/NDF: 430031.7/24

asym_at1_dd_cor_correction_mean vs Slug



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 462.793+/-185.351 χ^2/NDF:18.0/7

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

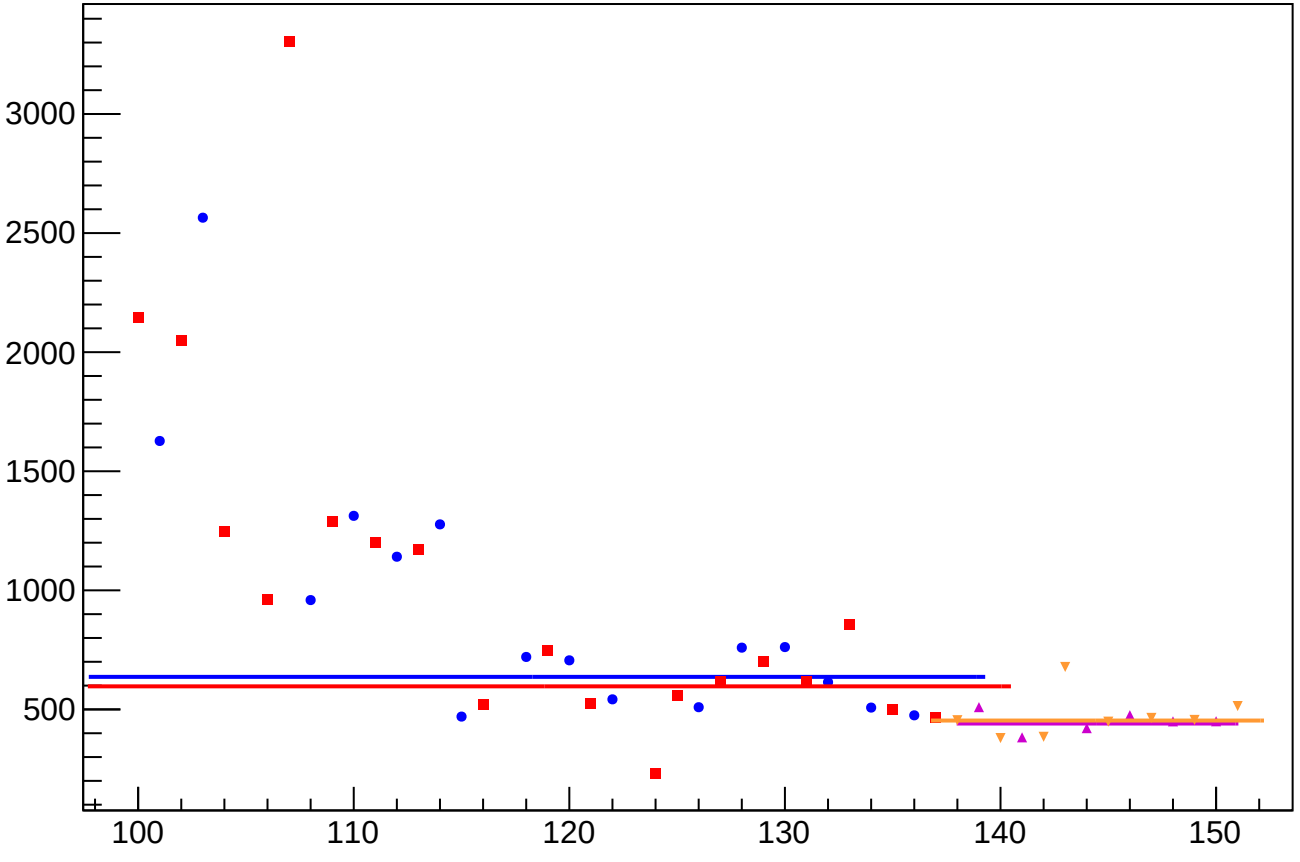
Left In: 140.172+/-193.513 χ^2/NDF:3.6/5

+ sign 442.395+/-150.643 χ^2/NDF: 39.2/23

All: 347.987+/-107.562 χ^2/NDF: 56.8/48

- sign 249.796+/-153.633 χ^2/NDF: 16.9/24

asym_at1_dd_cor_correction_rms vs Slug



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 453.302+/-0.131 χ^2/NDF:292454.1/7

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

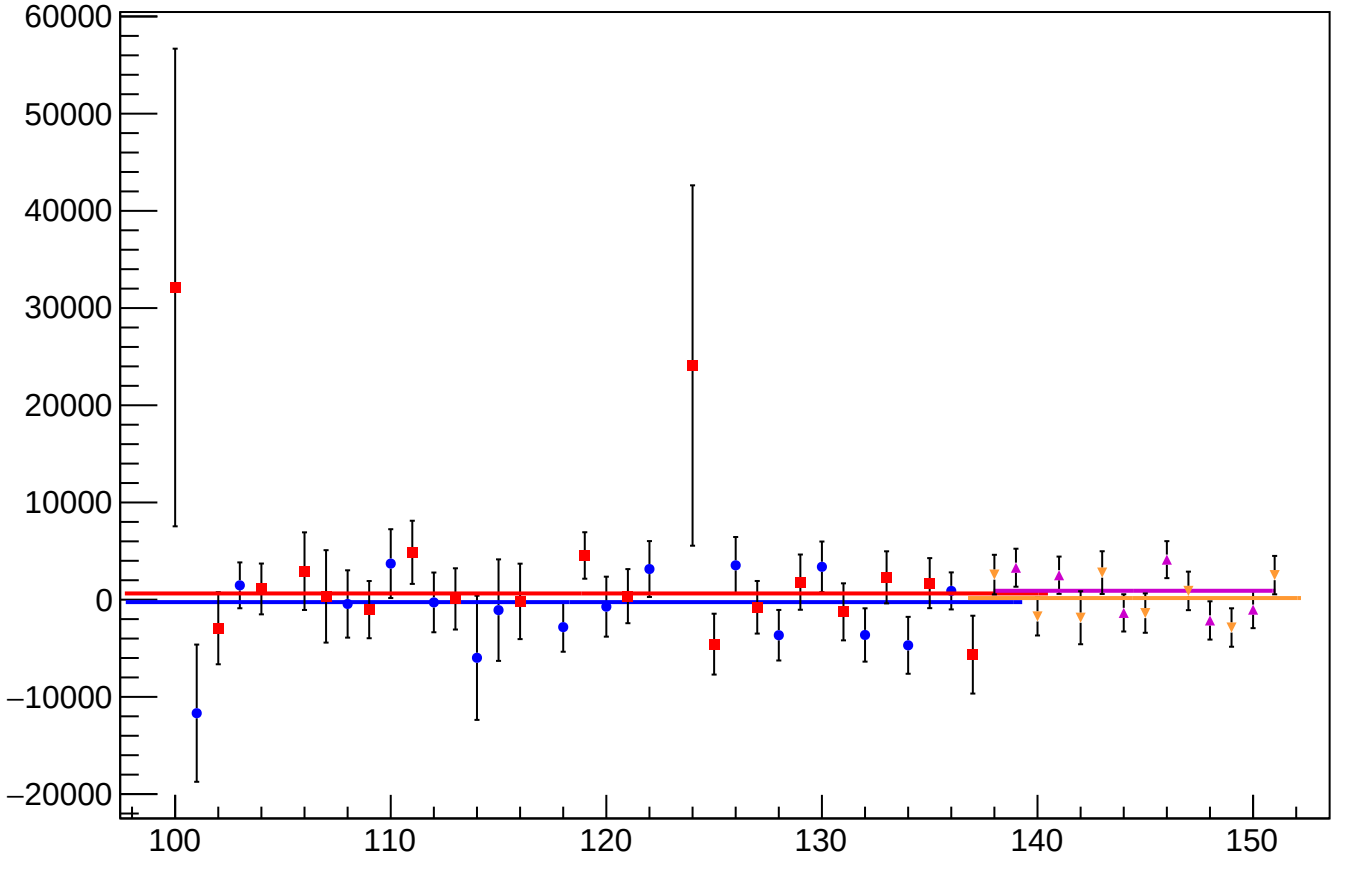
Left In: 440.780+/-0.137 χ^2/NDF:85881.5/5

+ sign 515.554+/-0.107 χ^2/NDF: 3023115.9/23

All: 507.187+/-0.076 χ^2/NDF: 6533053.3/48

- sign 498.484+/-0.109 χ^2/NDF: 3497348.5/24

eigen_cor_asym_at1_dd_mean vs Slug



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: 166.891+/-734.538 χ^2/NDF:8.8/7

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

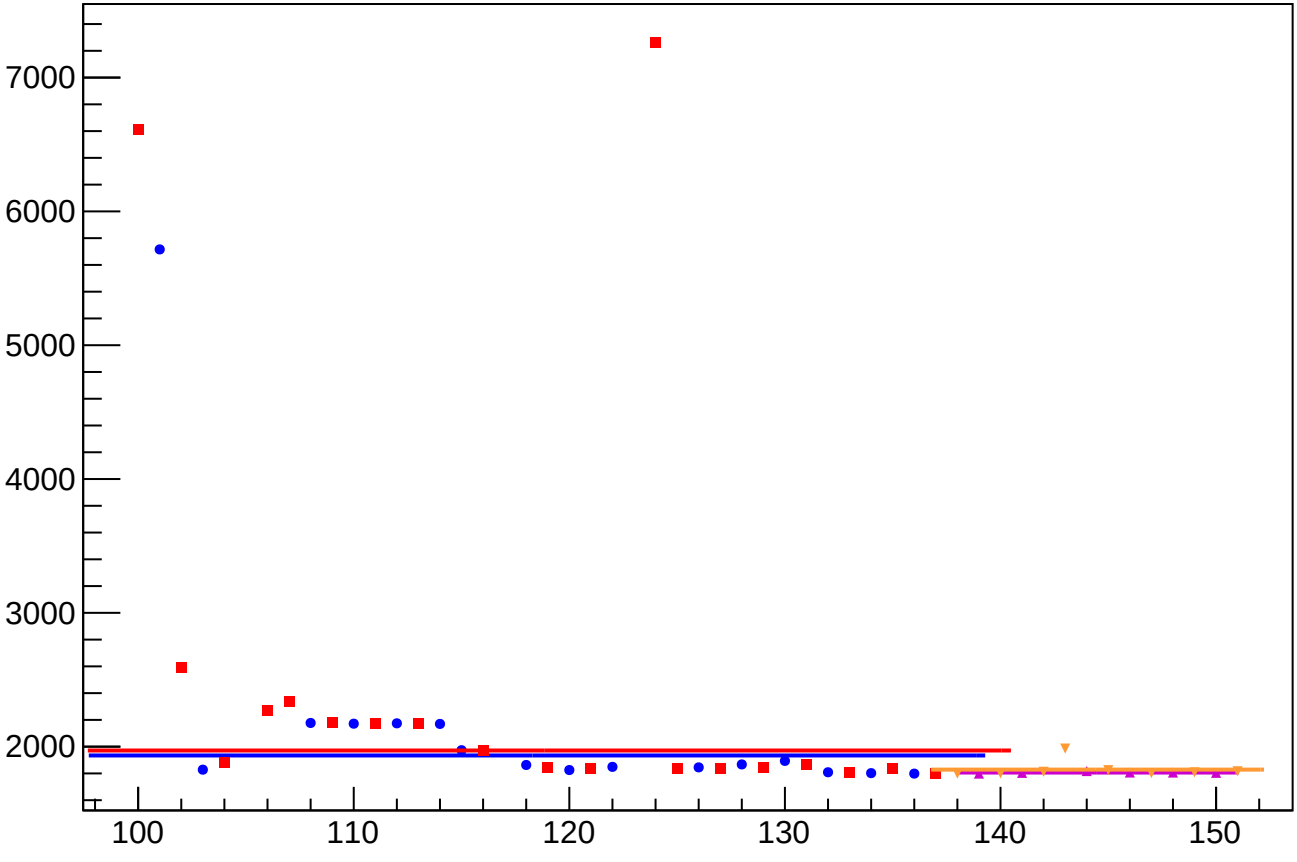
Left In: 915.553+/-786.741 χ^2/NDF:9.9/5

+ sign -41.635+/-519.599 χ^2/NDF: 26.2/23

All: 349.899+/-373.643 χ^2/NDF: 53.3/48

- sign 769.167+/-537.688 χ^2/NDF: 25.9/24

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1828.462+/-0.519 χ^2/NDF:11791.9/7

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

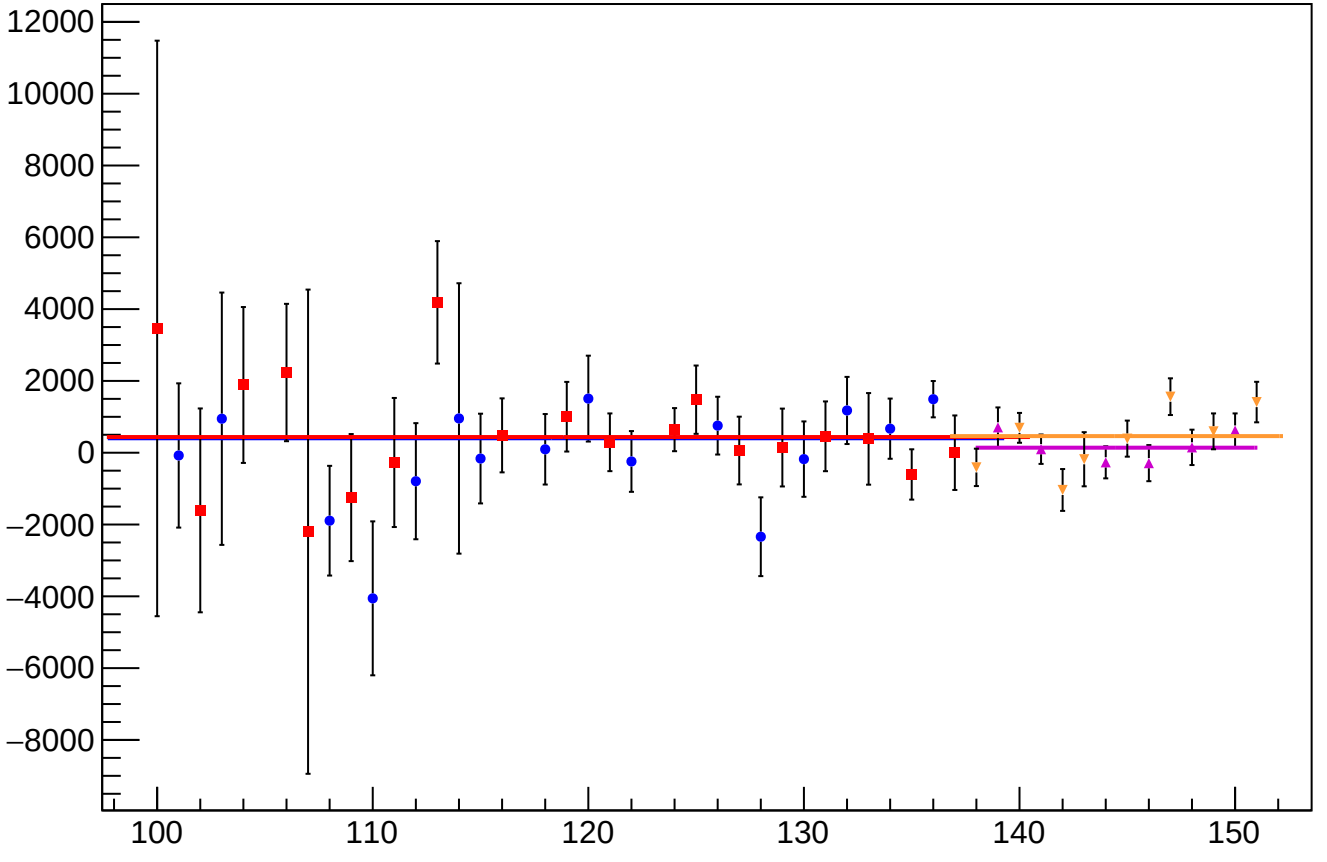
Left In: 1806.586+/-0.556 χ^2/NDF:104.7/5

+ sign 1881.298+/-0.367 χ^2/NDF: 672424.3/23

All: 1887.622+/-0.264 χ^2/NDF: 1103069.6/48

- sign 1894.395+/-0.380 χ^2/NDF: 430031.7/24

asym_at1_dd_eigen_cor_correction_mean vs Slug



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 462.793+/-185.351 χ^2/NDF:18.0/7

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

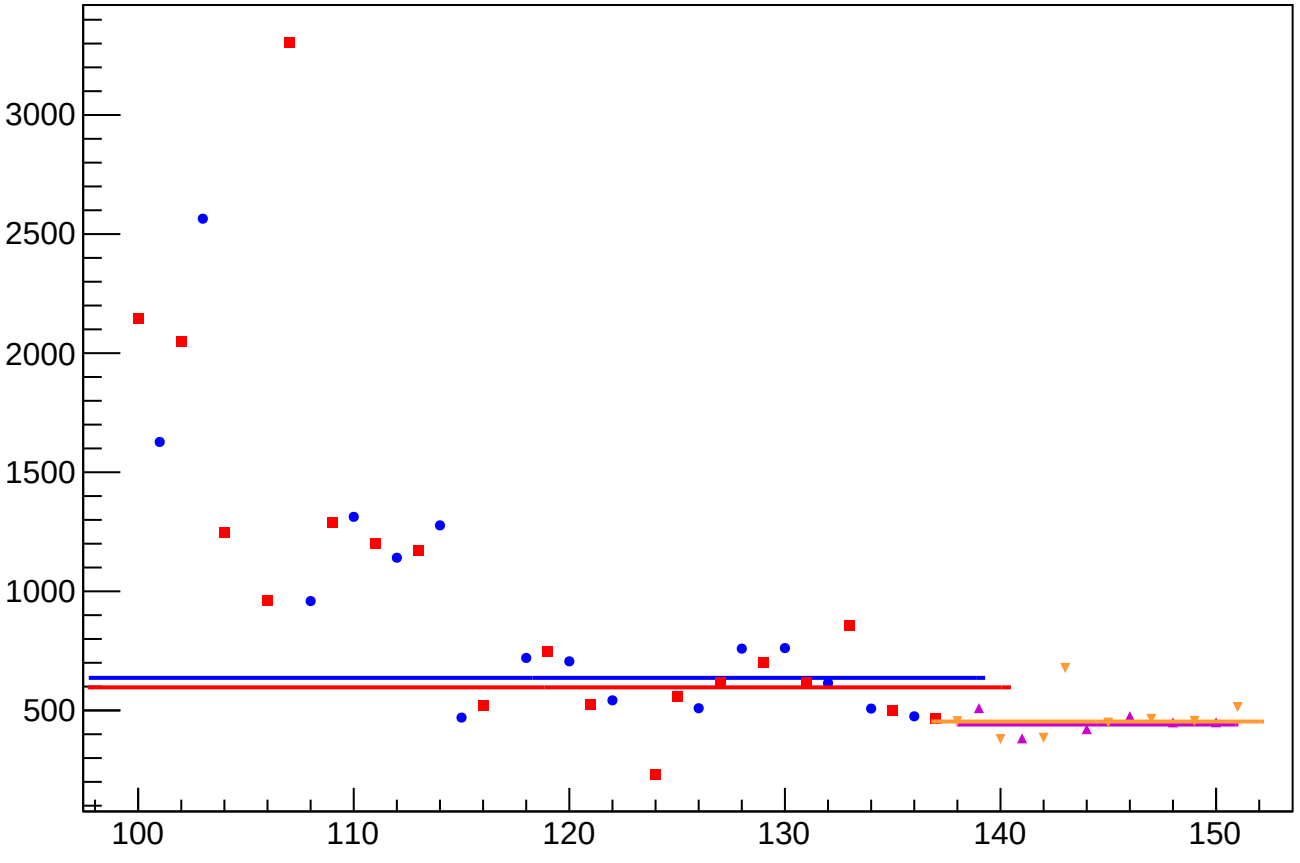
Left In: 140.172+/-193.513 χ^2/NDF:3.6/5

+ sign 442.395+/-150.643 χ^2/NDF: 39.2/23

All: 347.987+/-107.562 χ^2/NDF: 56.8/48

- sign 249.796+/-153.633 χ^2/NDF: 16.9/24

asym_at1_dd_eigen_cor_correction_rms vs Slug



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 453.302+/-0.131 χ^2/NDF:292454.1/7

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

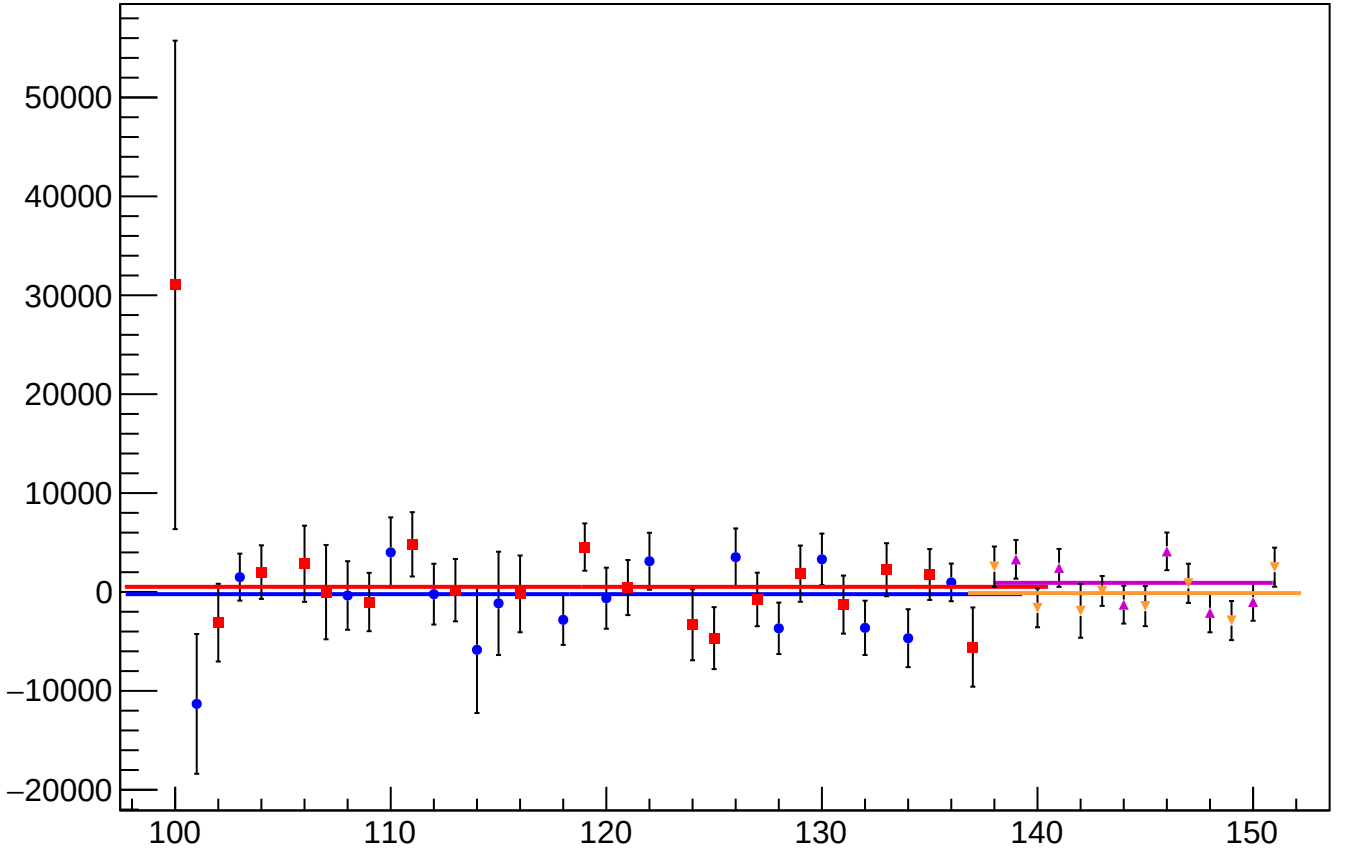
Left In: 440.780+/-0.137 χ^2/NDF:85881.5/5

+ sign 515.554+/-0.107 χ^2/NDF: 3023115.9/23

All: 507.187+/-0.076 χ^2/NDF: 6533053.3/48

- sign 498.484+/-0.109 χ^2/NDF: 3497348.5/24

dit_asym_at1_dd_mean vs Slug



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -113.521+/-692.515 χ^2/NDF:7.2/7

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

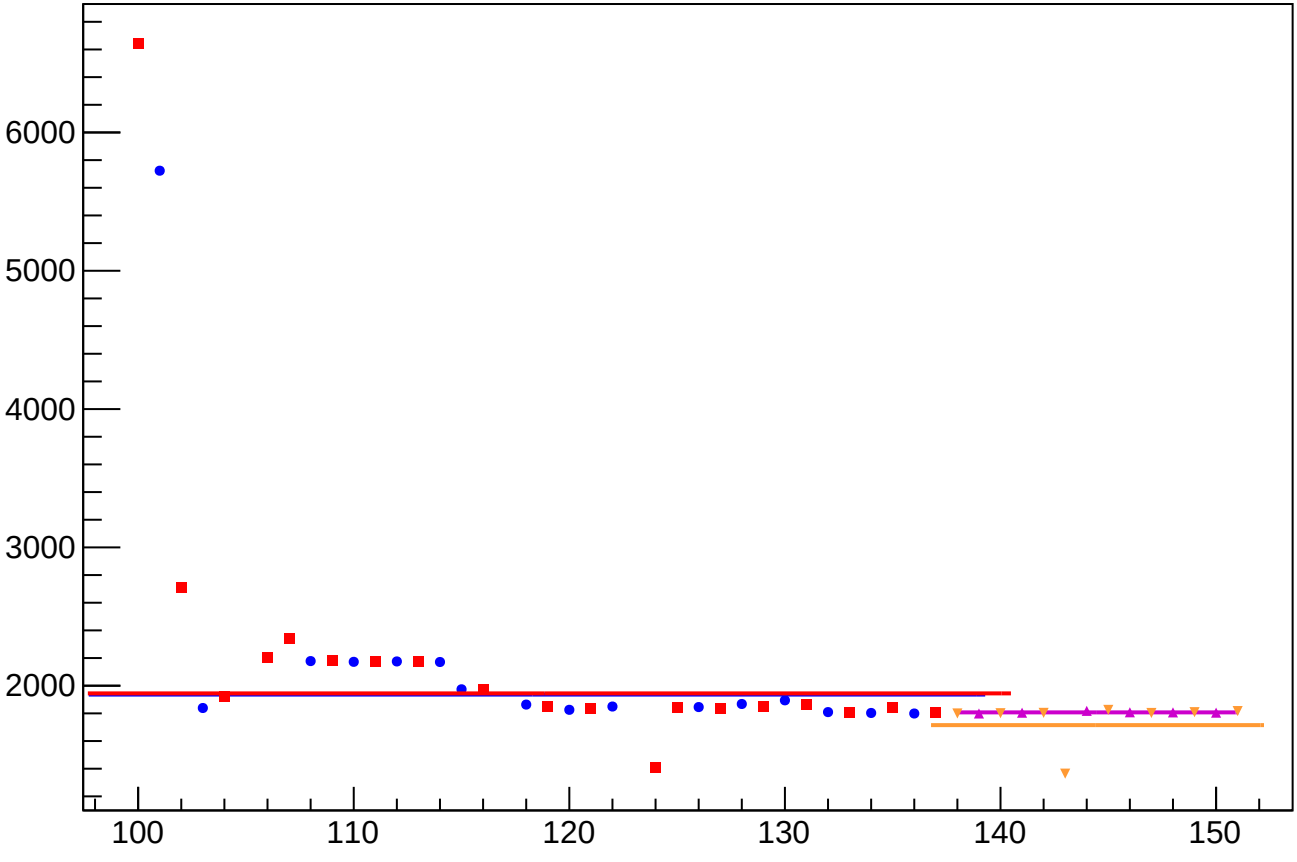
Left In: 923.847+/-787.015 χ^2/NDF:9.6/5

+ sign -163.715+/-504.319 χ^2/NDF: 24.3/23

All: 246.709+/-366.399 χ^2/NDF: 51.0/48

- sign 705.525+/-533.223 χ^2/NDF: 25.4/24

dit_asym_at1_dd_rms vs Slug



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1715.051+/-0.490 χ^2/NDF:136981.2/7

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

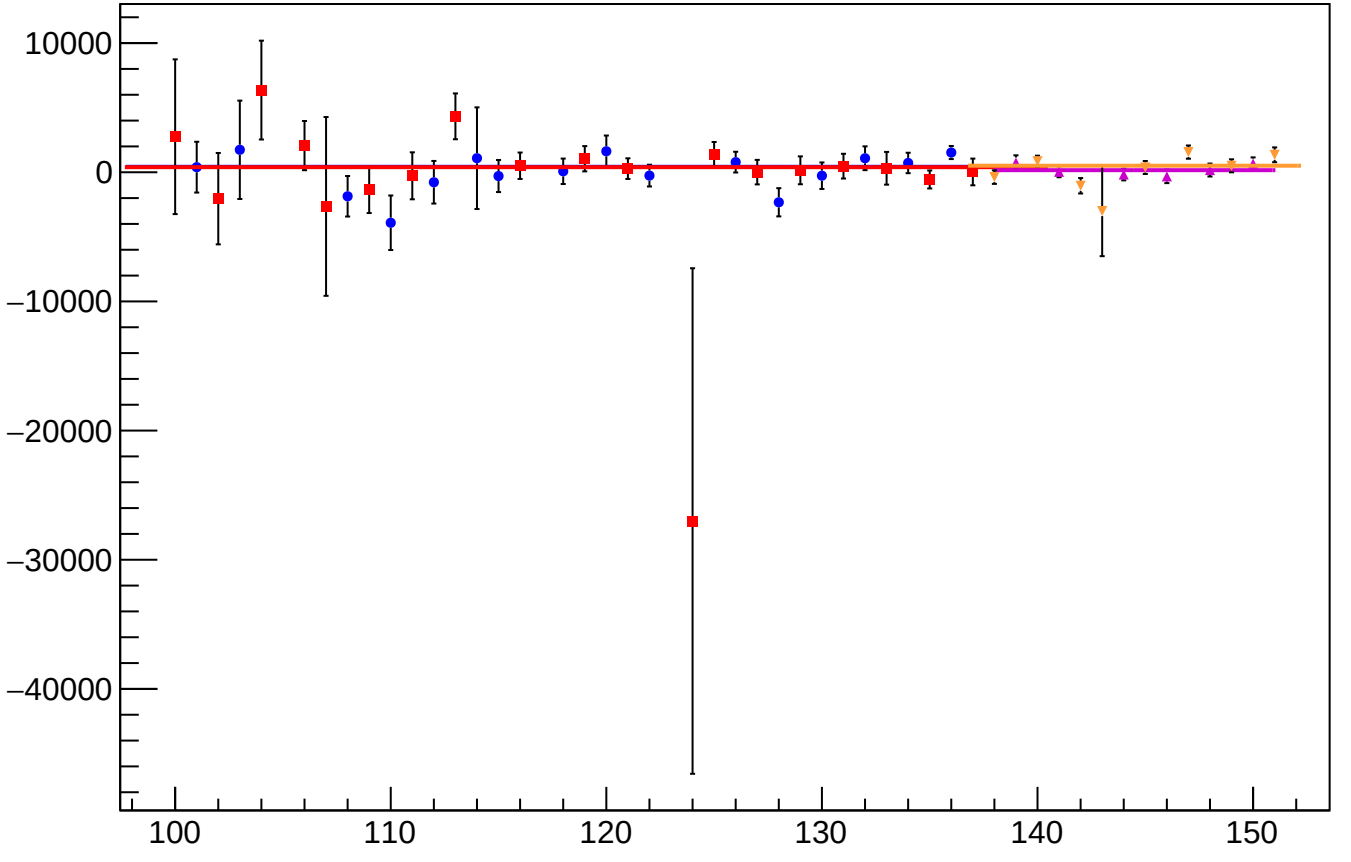
Left In: 1807.217+/-0.557 χ^2/NDF:105.1/5

+ sign 1818.811+/-0.357 χ^2/NDF: 872385.5/23

All: 1848.400+/-0.259 χ^2/NDF: 1196213.8/48

- sign 1881.479+/-0.377 χ^2/NDF: 309246.6/24

asym_at1_dd_dit_correction_mean vs Slug



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 507.270+/-193.481 χ^2/NDF:17.7/7

Right Out: 393.590+/-279.562 χ^2/NDF: 15.9/18

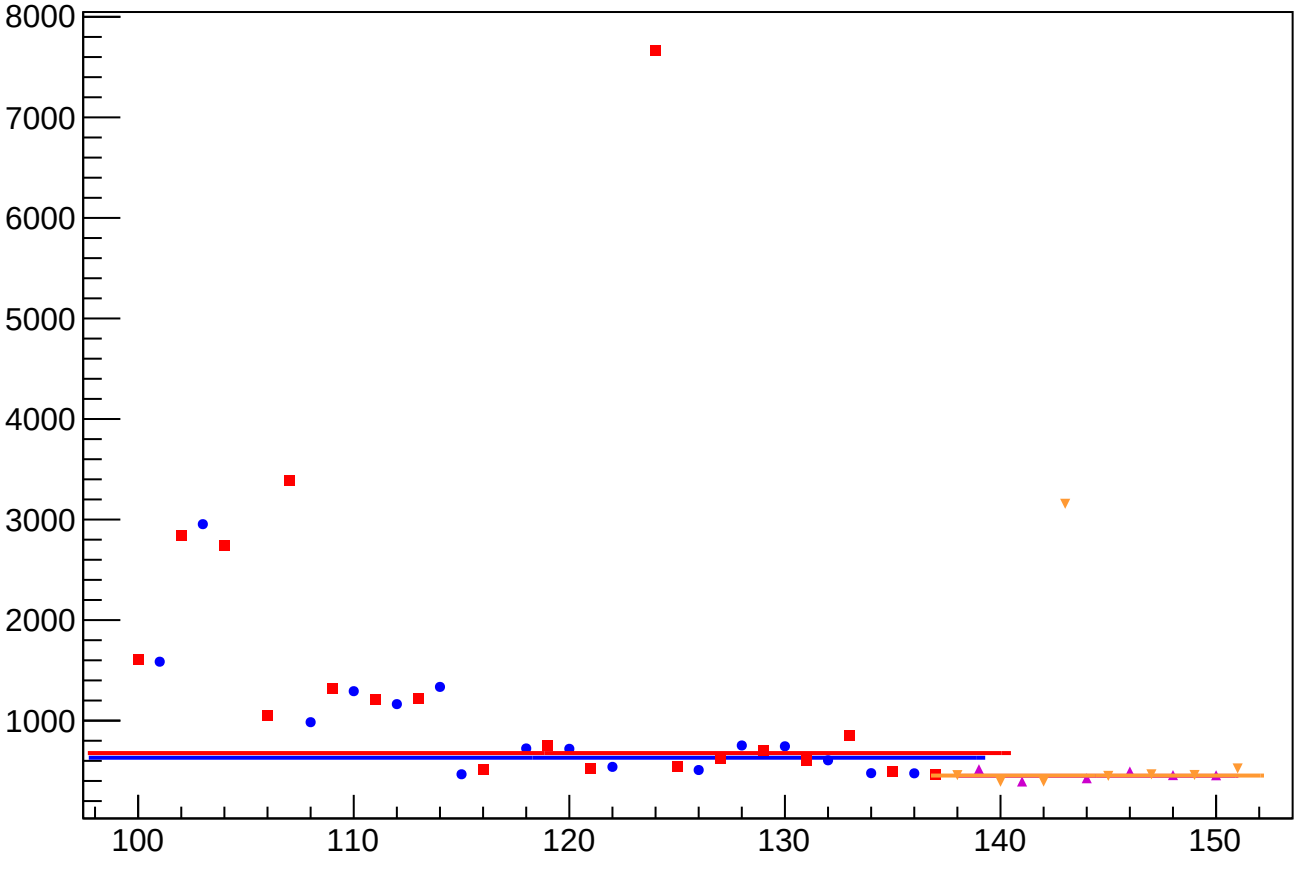
Left In: 160.990+/-197.586 χ^2/NDF:3.7/5

+ sign 476.076+/-154.519 χ^2/NDF: 39.3/23

All: 362.414+/-111.600 χ^2/NDF: 60.4/48

- sign 238.474+/-161.354 χ^2/NDF: 20.0/24

asym_at1_dd_dit_correction_rms vs Slug



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 453.748+/-0.137 χ^2/NDF:1290434.2/7

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

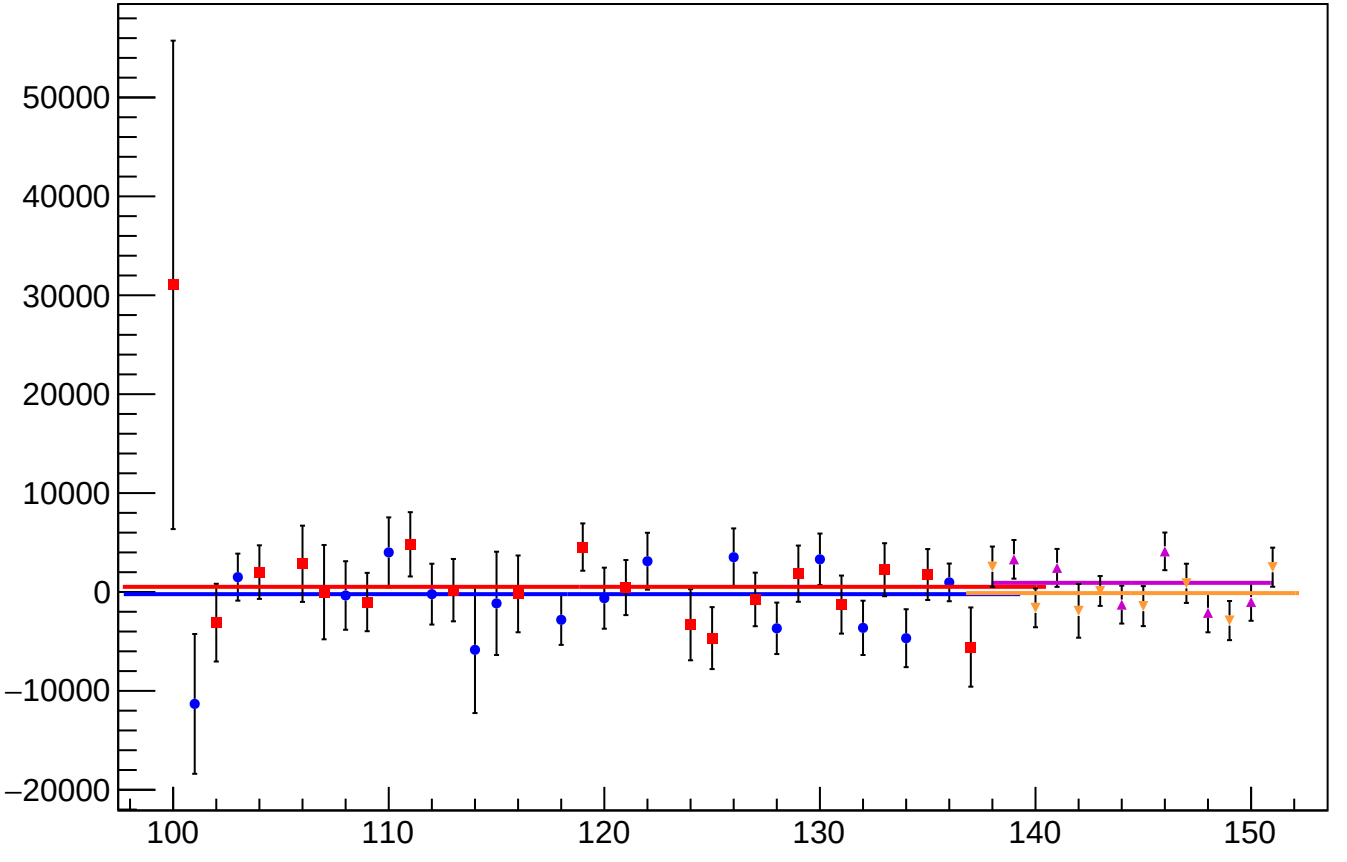
Left In: 450.619+/-0.140 χ^2/NDF:82929.0/5

+ sign 517.999+/-0.109 χ^2/NDF: 4133840.6/23

All: 521.911+/-0.079 χ^2/NDF: 8178984.8/48

- sign 526.177+/-0.114 χ^2/NDF: 4042464.0/24

eigen_dit_asym_at1_dd_mean vs Slug



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -113.522+/-692.515 χ^2/NDF:7.2/7

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

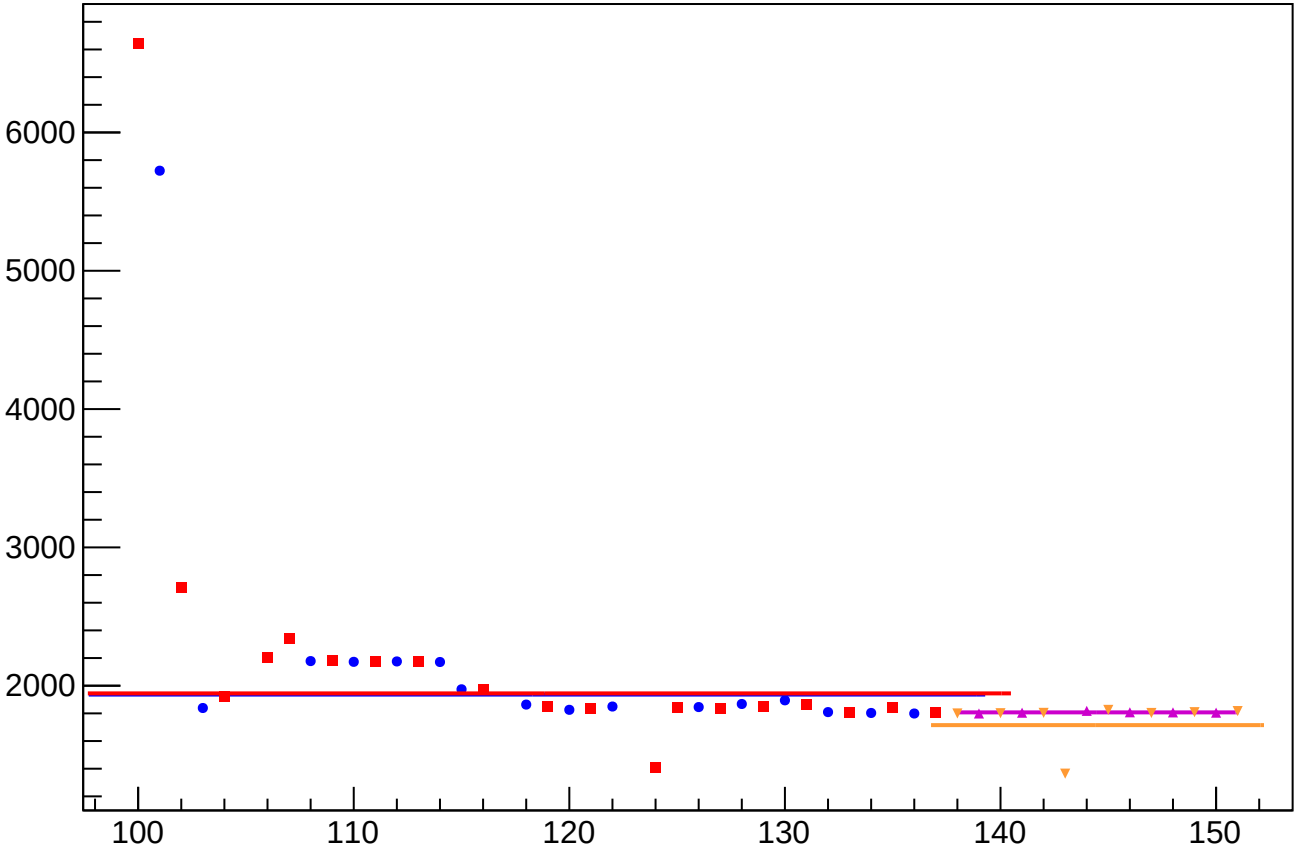
Left In: 923.847+/-787.015 χ^2/NDF:9.6/5

+ sign -163.715+/-504.319 χ^2/NDF: 24.3/23

All: 246.709+/-366.399 χ^2/NDF: 51.0/48

- sign 705.526+/-533.223 χ^2/NDF: 25.4/24

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1715.051+/-0.490 χ^2/NDF:136981.2/7

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

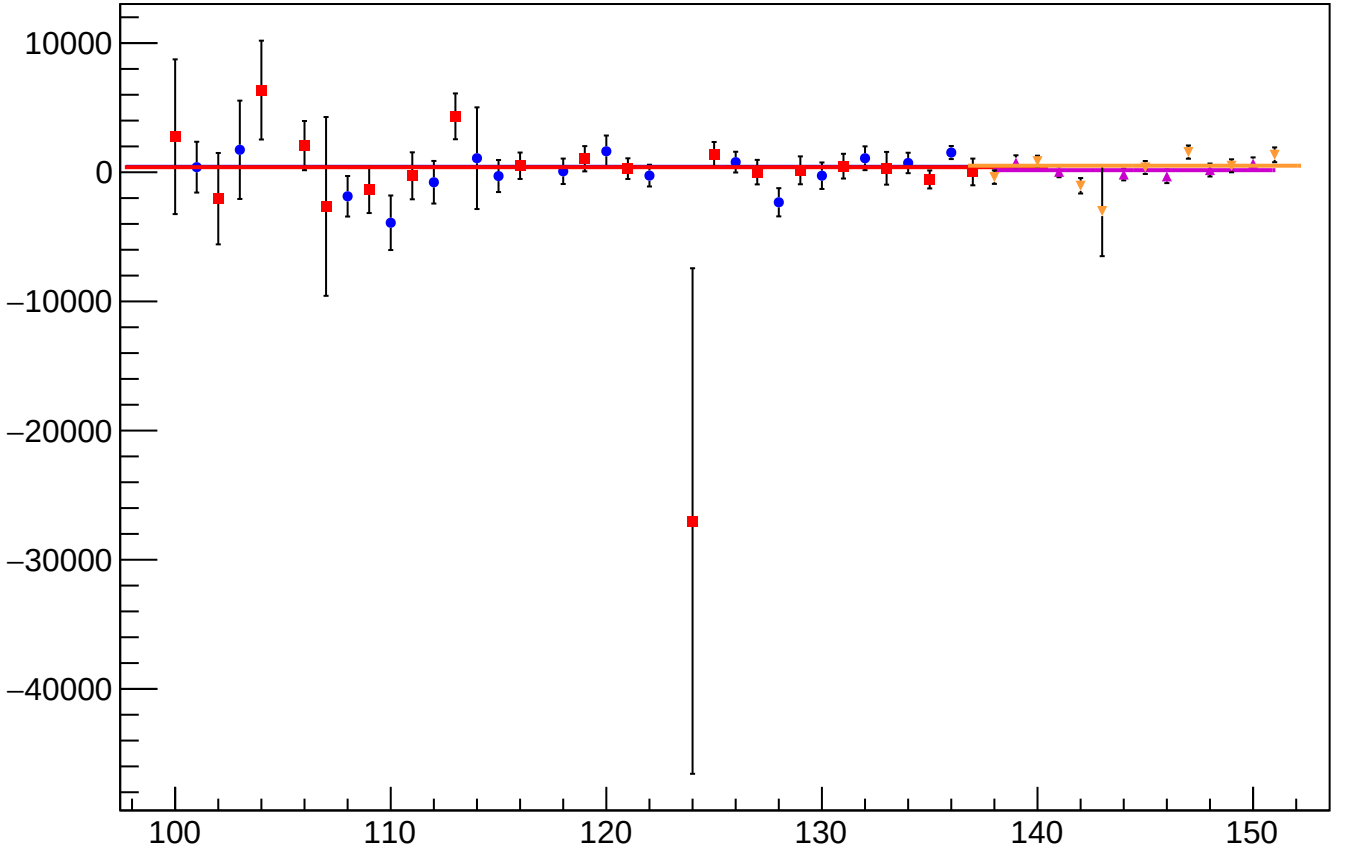
Left In: 1807.217+/-0.557 χ^2/NDF:105.1/5

+ sign 1818.810+/-0.357 χ^2/NDF: 872385.5/23

All: 1848.400+/-0.259 χ^2/NDF: 1196213.6/48

- sign 1881.479+/-0.377 χ^2/NDF: 309246.4/24

asym_at1_dd_eigen_dit_correction_mean vs Slug



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 507.270+/-193.481 χ^2/NDF:17.7/7

Right Out: 393.591+/-279.562 χ^2/NDF: 15.9/18

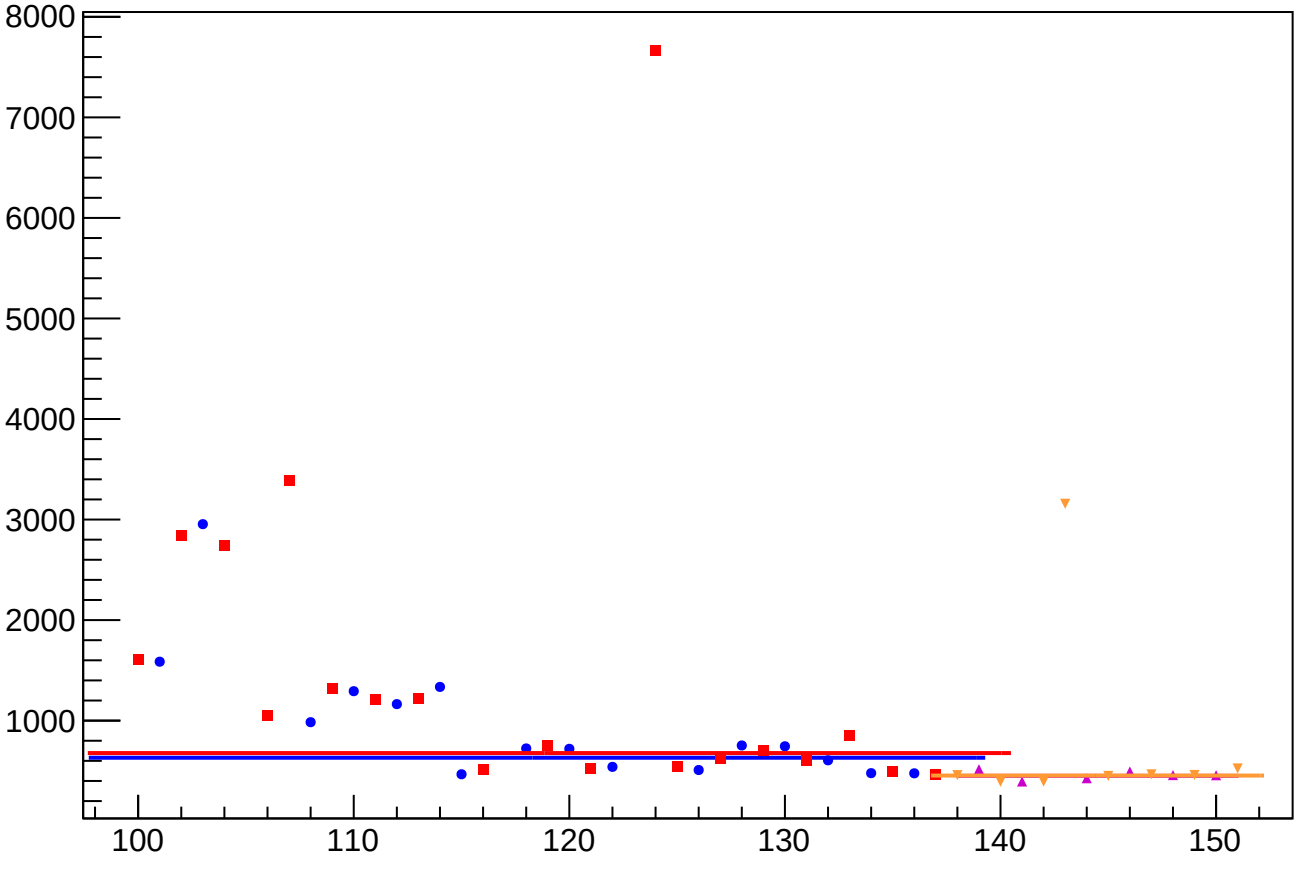
Left In: 160.990+/-197.586 χ^2/NDF:3.7/5

+ sign 476.076+/-154.519 χ^2/NDF: 39.3/23

All: 362.414+/-111.600 χ^2/NDF: 60.4/48

- sign 238.474+/-161.354 χ^2/NDF: 20.0/24

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 453.747+/-0.137 χ^2/NDF:1290433.8/7

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

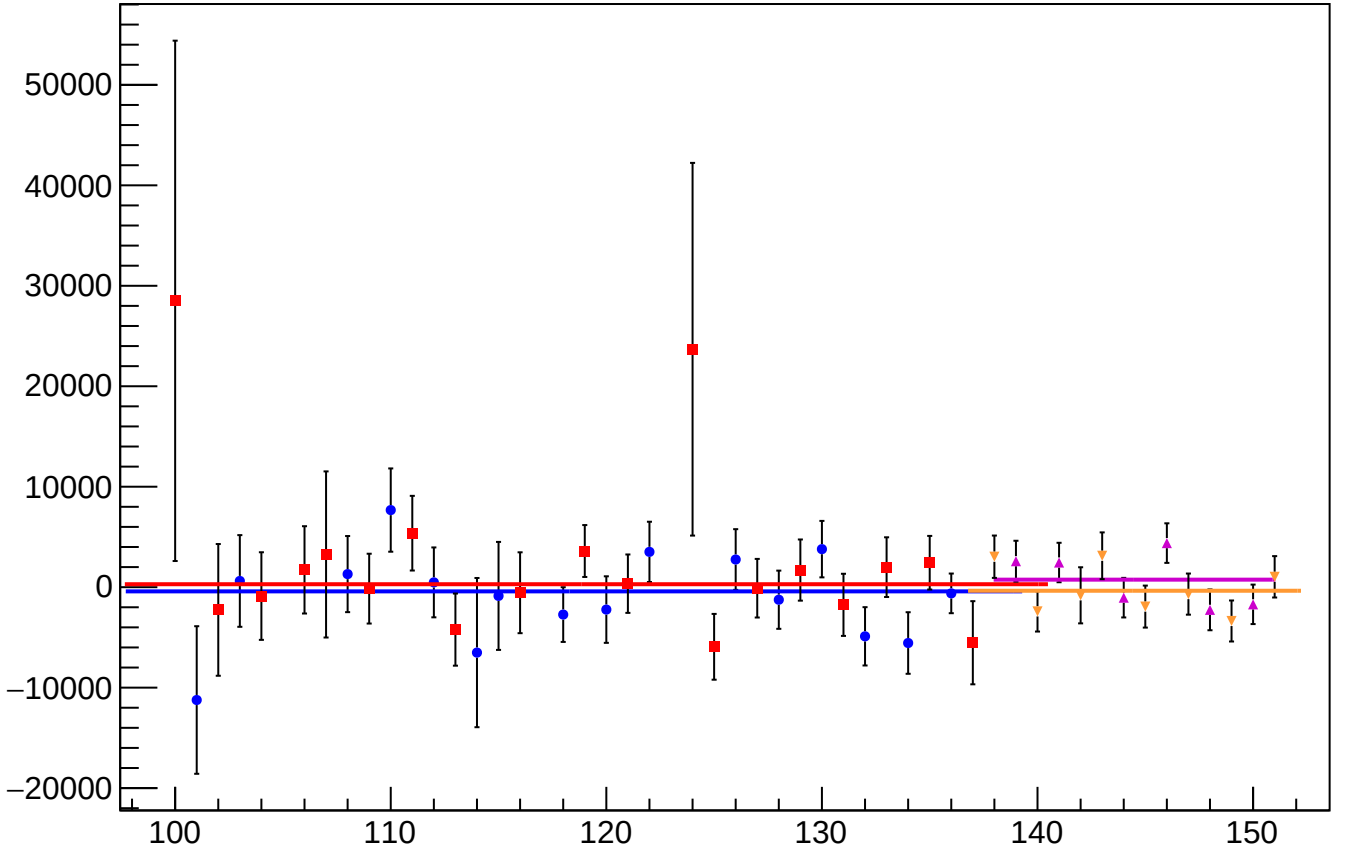
Left In: 450.618+/-0.140 χ^2/NDF:82929.6/5

\+ sign 517.998+/-0.109 χ^2/NDF: 4133844.7/23

All: 521.910+/-0.079 χ^2/NDF: 8178992.3/48

\- sign 526.177+/-0.114 χ^2/NDF: 4042467.2/24

asym_at1_dd_mean vs Slug



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: -355.435+/-760.334 χ^2/NDF:9.1/7

Right Out: 294.527+/-831.610 χ^2/NDF: 15.6/18

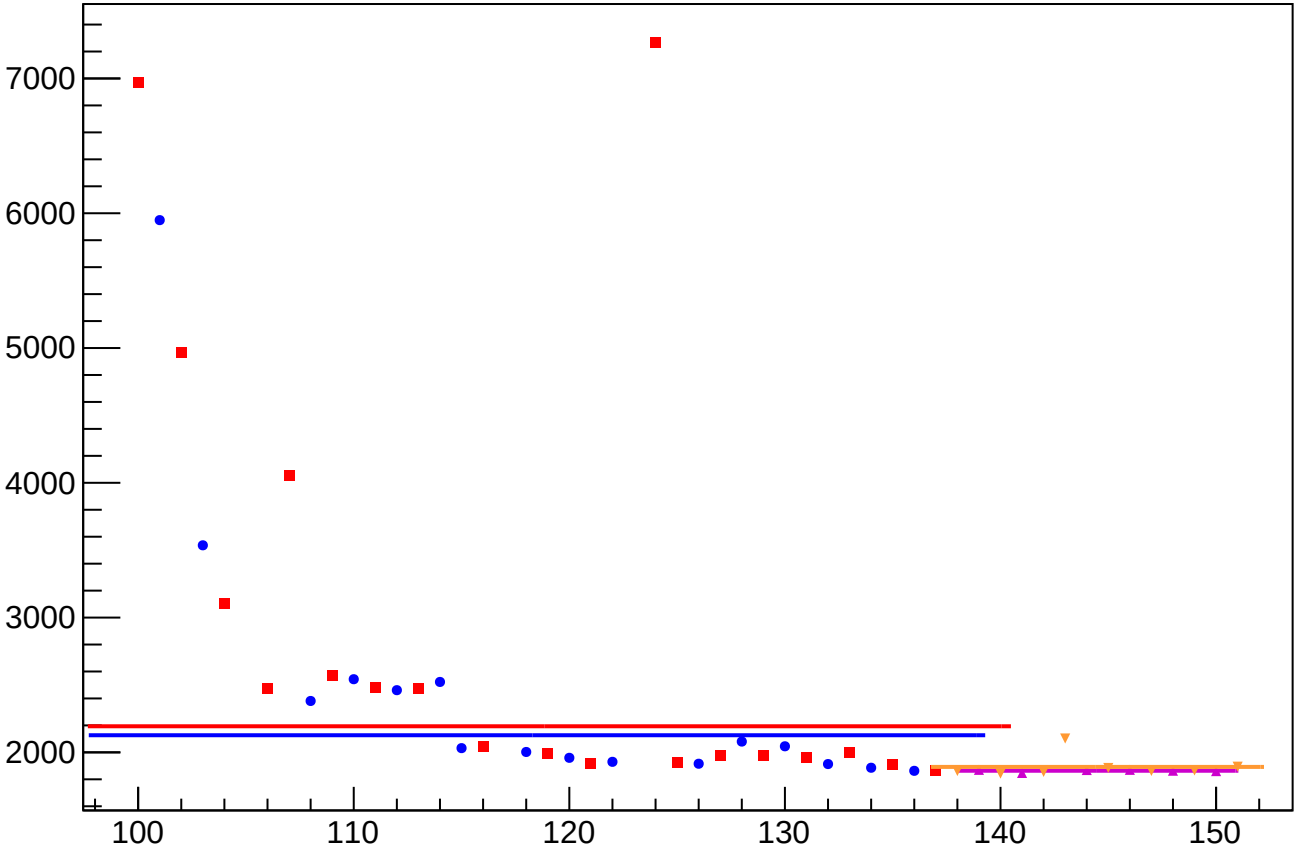
Left In: 748.621+/-811.579 χ^2/NDF:9.6/5

+ sign -384.377+/-556.077 χ^2/NDF: 27.5/23

All: 51.533+/-401.670 χ^2/NDF: 54.1/48

- sign 527.109+/-580.825 χ^2/NDF: 25.4/24

asym_at1_dd_rms vs Slug



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1892.070+/-0.538 χ^2/NDF:19188.7/7

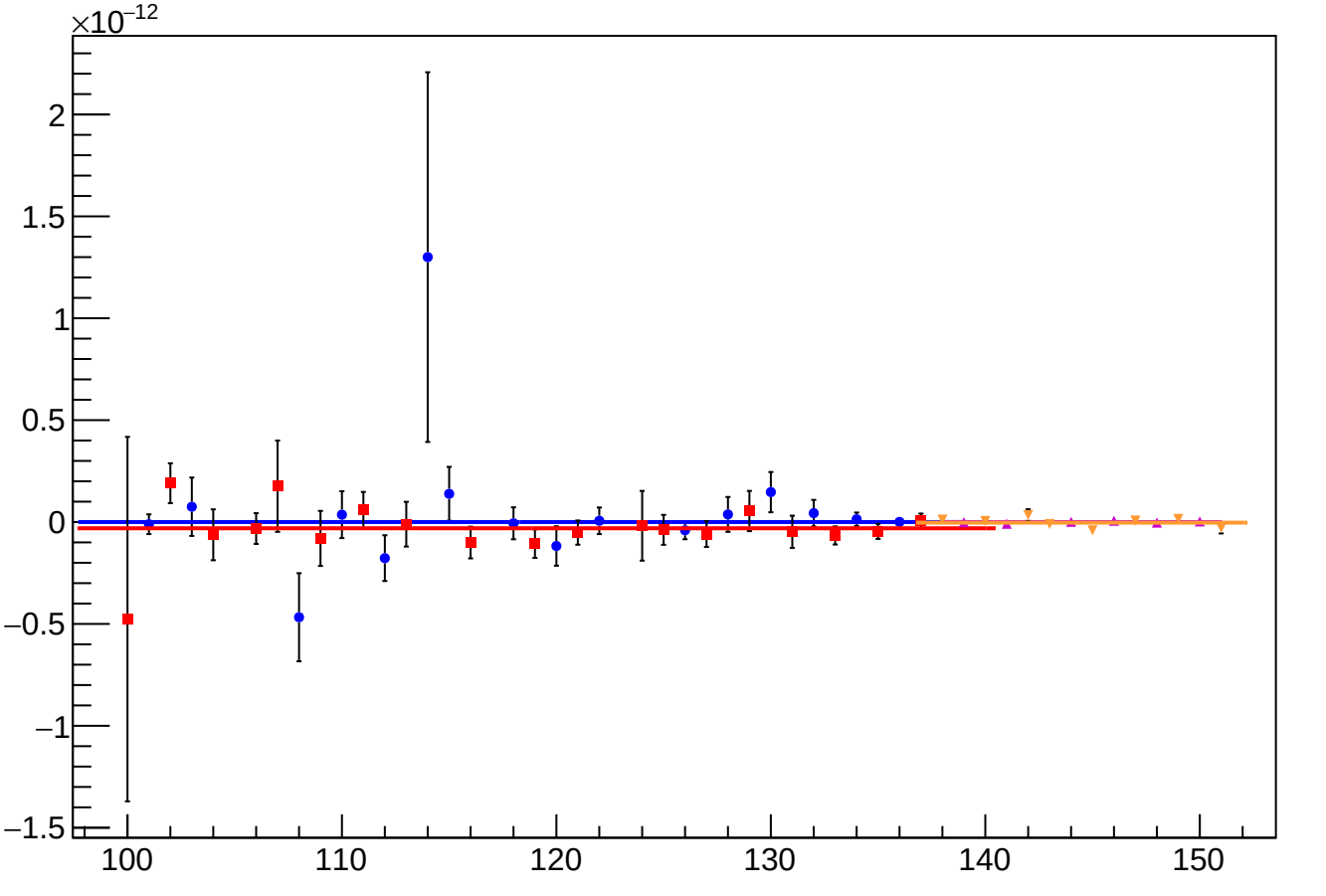
Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

Left In: 1863.591+/-0.574 χ^2/NDF:203.9/5

+ sign 2001.359+/-0.393 χ^2/NDF: 983107.6/23

All: 2012.452+/-0.284 χ^2/NDF: 2088831.9/48

- sign 2024.554+/-0.411 χ^2/NDF: 1104060.0/24



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.4/7

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

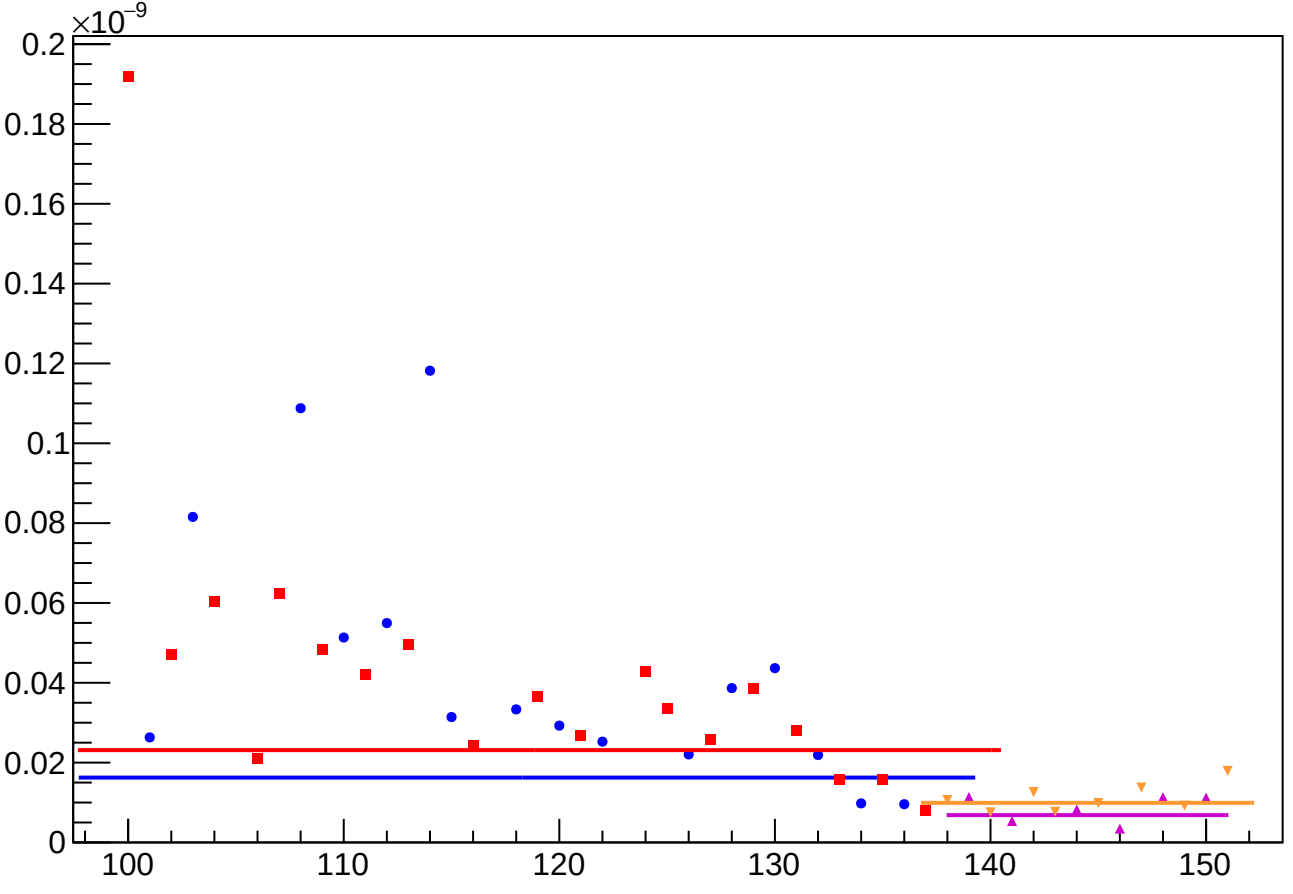
Left In: -0.000+/-0.000 χ^2/NDF:1.0/5

+ sign -0.000+/-0.000 χ^2/NDF: 26.5/23

All: -0.000+/-0.000 χ^2/NDF: 43.3/48

- sign -0.000+/-0.000 χ^2/NDF: 16.8/24

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:349030.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

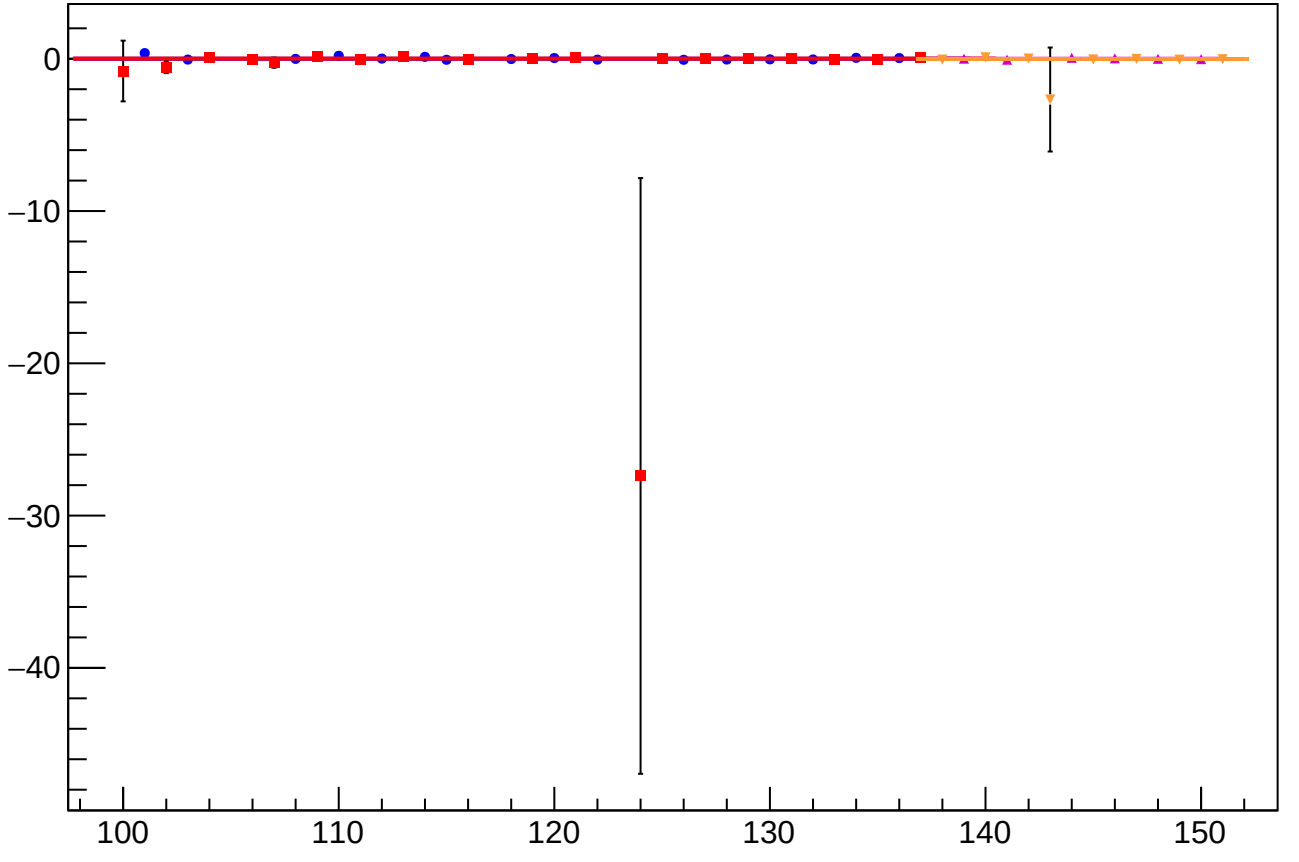
Left In: 0.000+/-0.000 χ^2/NDF:621450.3/5

+ sign 0.000+/-0.000 χ^2/NDF: 3073127.2/23

All: 0.000+/-0.000 χ^2/NDF: 7249419.8/48

- sign 0.000+/-0.000 χ^2/NDF: 3934892.0/24

asym_at1_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.014+/-0.015 χ^2/NDF:12.0/7

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

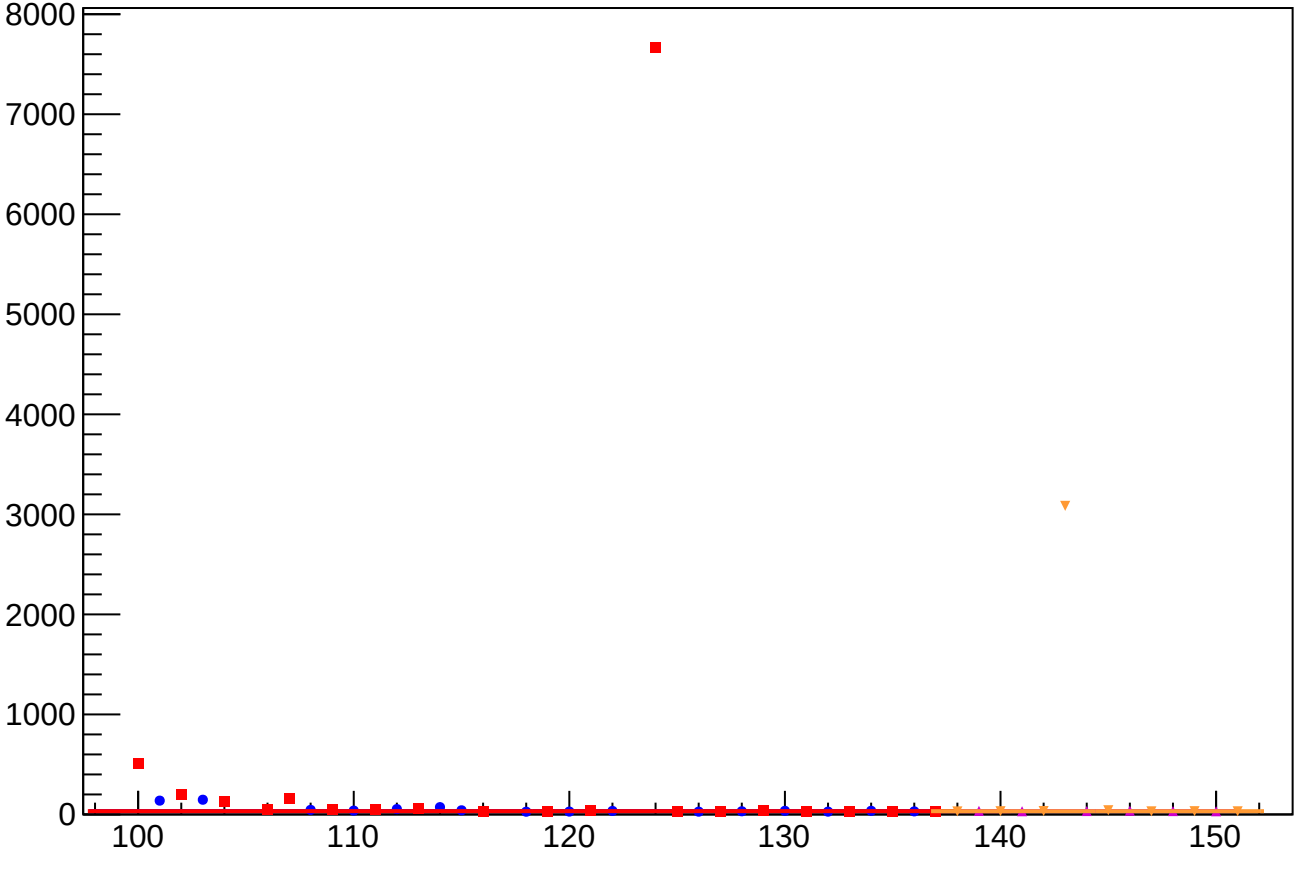
Left In: 0.001+/-0.016 χ^2/NDF:6.4/5

+ sign -0.006+/-0.011 χ^2/NDF: 33.6/23

All: 0.000+/-0.008 χ^2/NDF: 55.1/48

- sign 0.007+/-0.011 χ^2/NDF: 20.8/24

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.692+/-0.011 χ^2/NDF:1688736.9/7

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

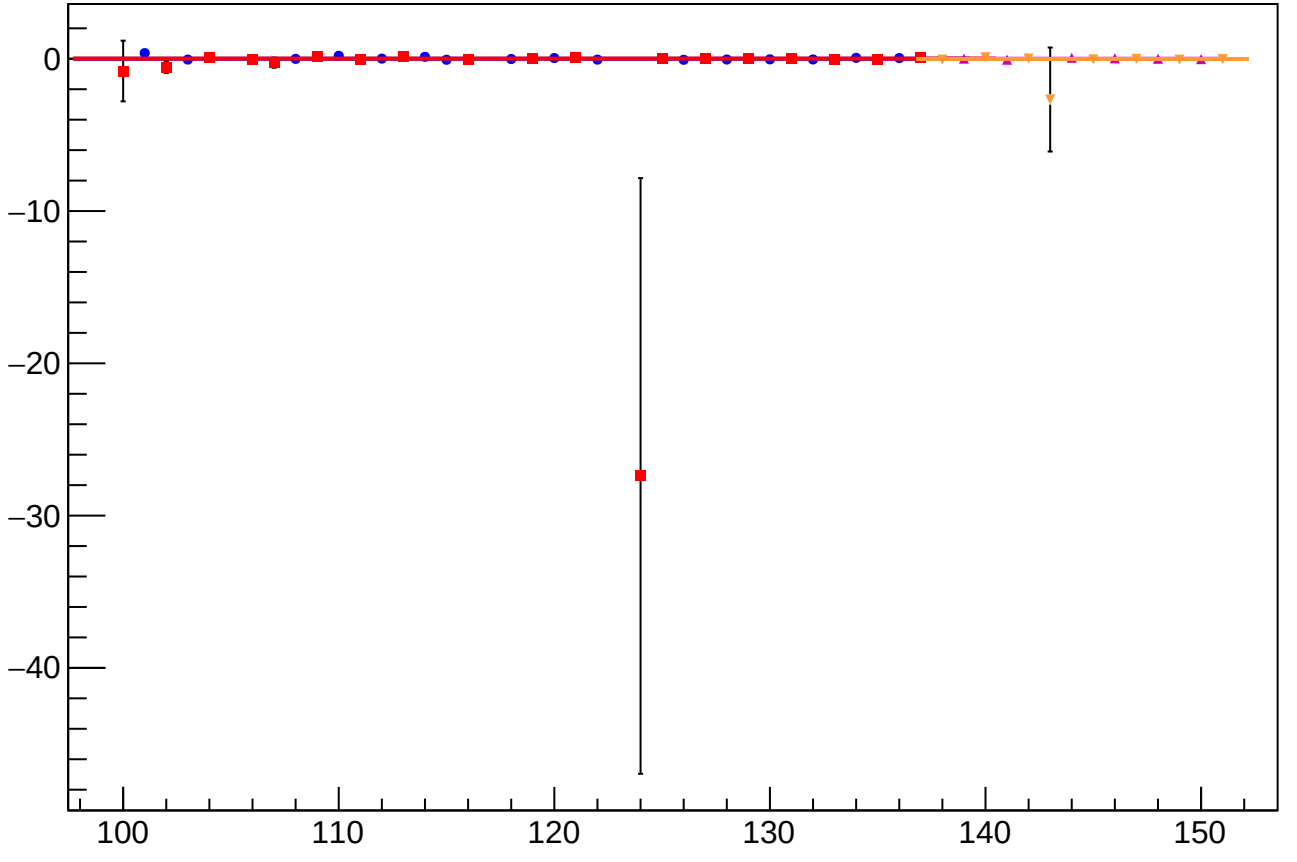
Left In: 34.058+/-0.011 χ^2/NDF:27246.9/5

\+ sign 33.396+/-0.007 χ^2/NDF: 3414261.0/23

All: 33.464+/-0.005 χ^2/NDF: 5520783.5/48

\- sign 33.535+/-0.008 χ^2/NDF: 2106355.4/24

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.014+/-0.015 χ^2/NDF:12.0/7

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

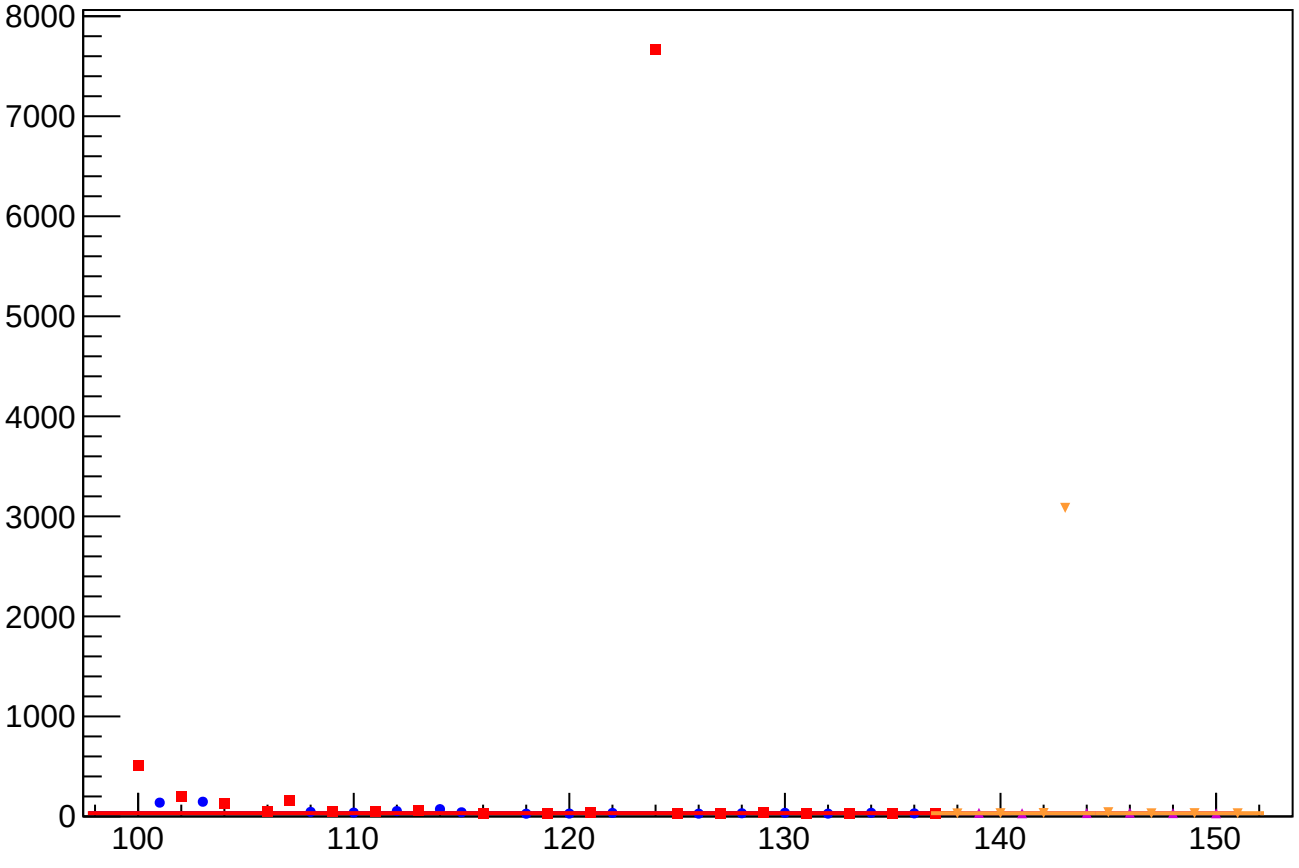
Left In: 0.001+/-0.016 χ^2/NDF:6.4/5

+ sign -0.006+/-0.011 χ^2/NDF: 33.6/23

All: 0.000+/-0.008 χ^2/NDF: 55.1/48

- sign 0.007+/-0.011 χ^2/NDF: 20.8/24

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: 32.692+/-0.011 χ^2/NDF:1688736.9/7

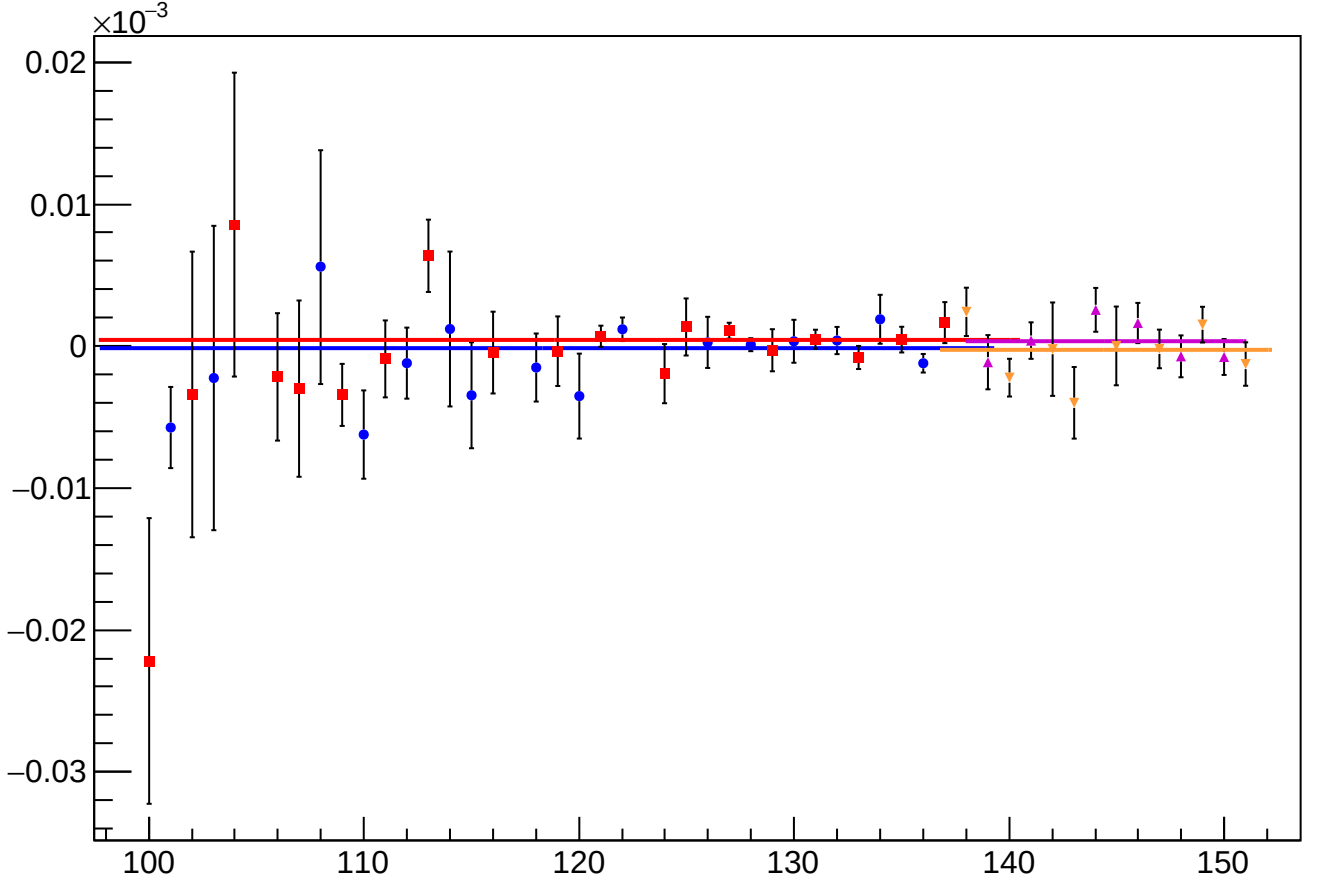
Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 34.058+/-0.011 χ^2/NDF:27246.9/5

+ sign 33.396+/-0.007 χ^2/NDF: 3414261.0/23

All: 33.464+/-0.005 χ^2/NDF: 5520783.5/48

- sign 33.535+/-0.008 χ^2/NDF: 2106355.4/24



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.3/7

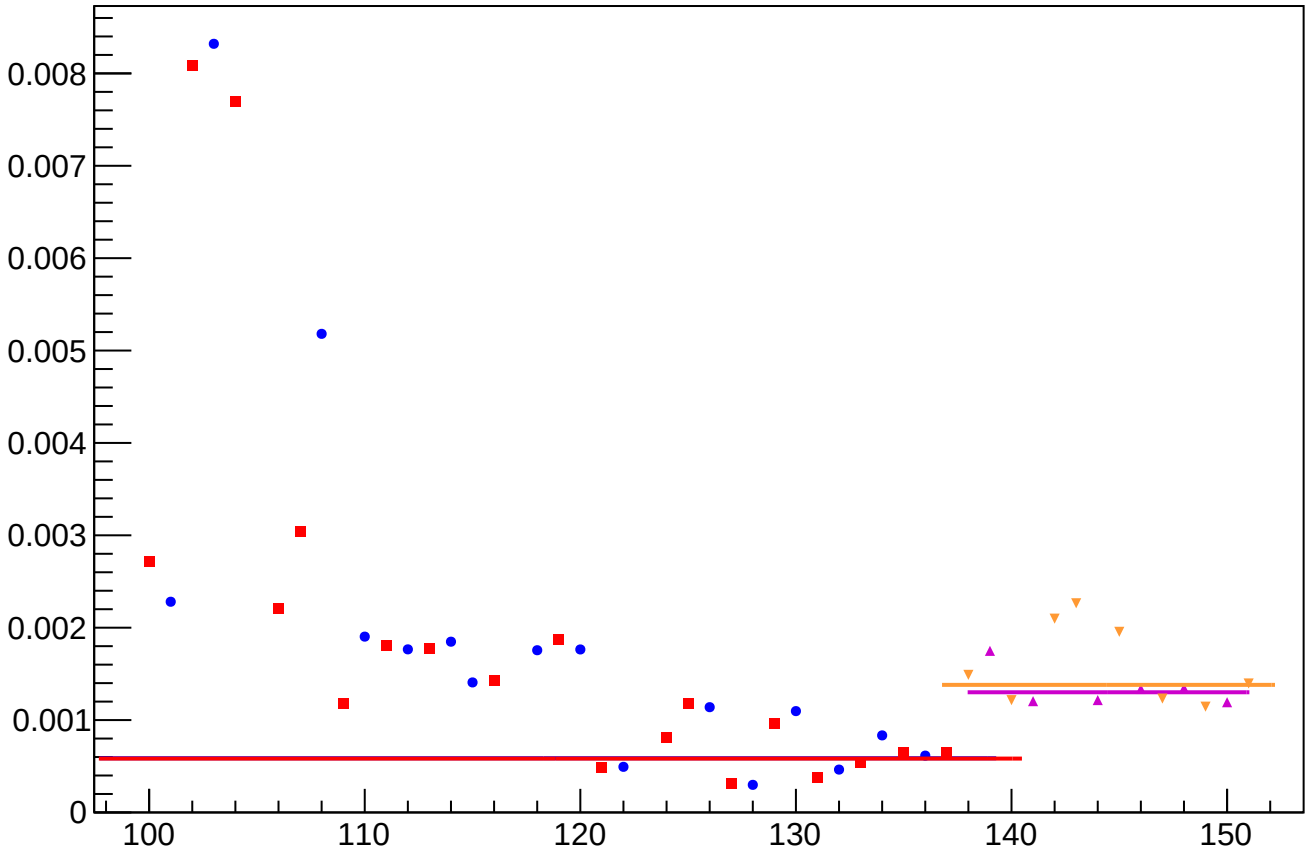
Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: 0.000+/-0.000 χ^2/NDF:4.8/5

+ sign -0.000+/-0.000 χ^2/NDF: 27.5/23

All: 0.000+/-0.000 χ^2/NDF: 56.4/48

- sign 0.000+/-0.000 χ^2/NDF: 26.4/24



Right In: 0.001+/-0.000 χ^2/NDF: 5485949.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:561594.1/7

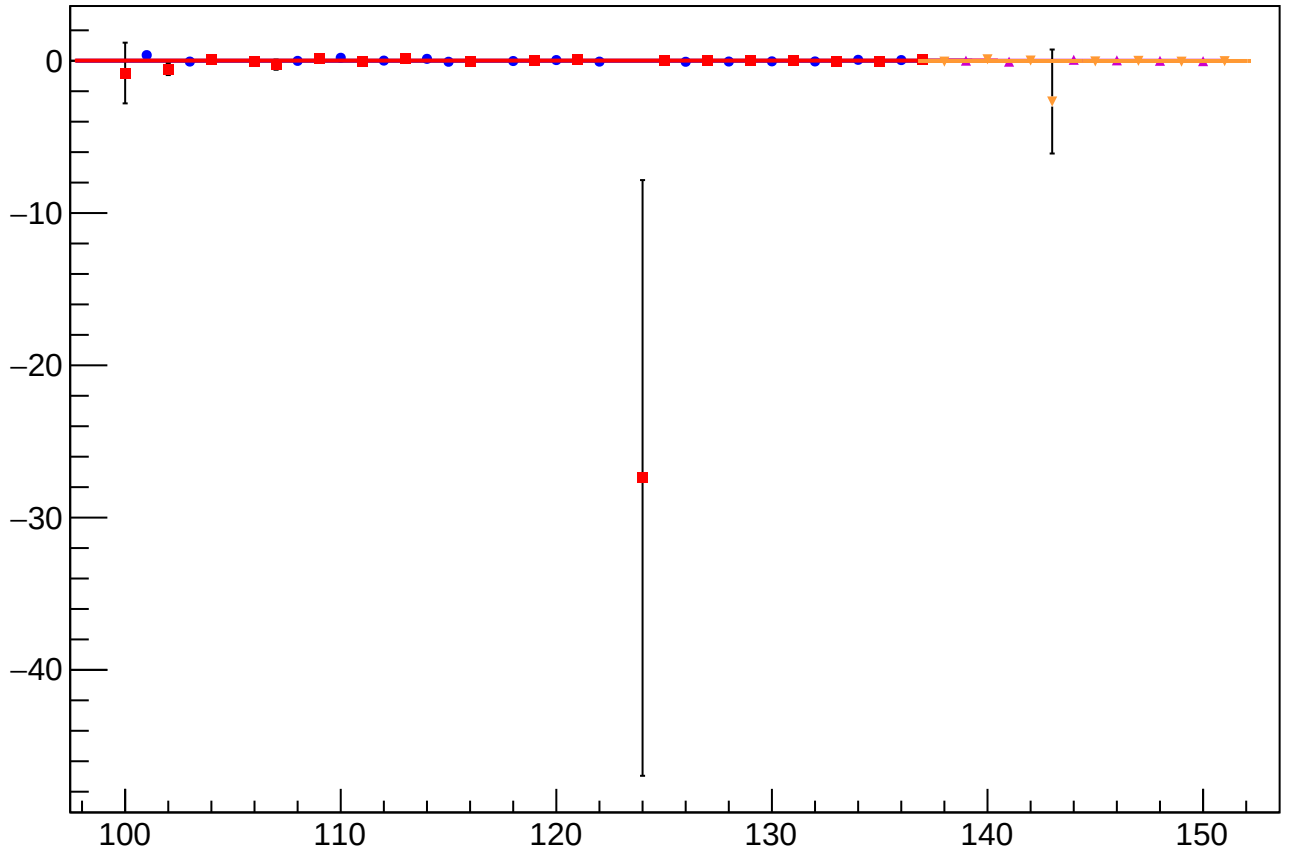
Right Out: 0.001+/-0.000 χ^2/NDF: 5431787.1/18

Left In: 0.001+/-0.000 χ^2/NDF:145601.9/5

+ sign 0.001+/-0.000 χ^2/NDF: 8979077.8/23

All: 0.001+/-0.000 χ^2/NDF: 16981570.0/48

- sign 0.001+/-0.000 χ^2/NDF: 7992378.8/24



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.014+/-0.015 χ^2/NDF:12.0/7

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

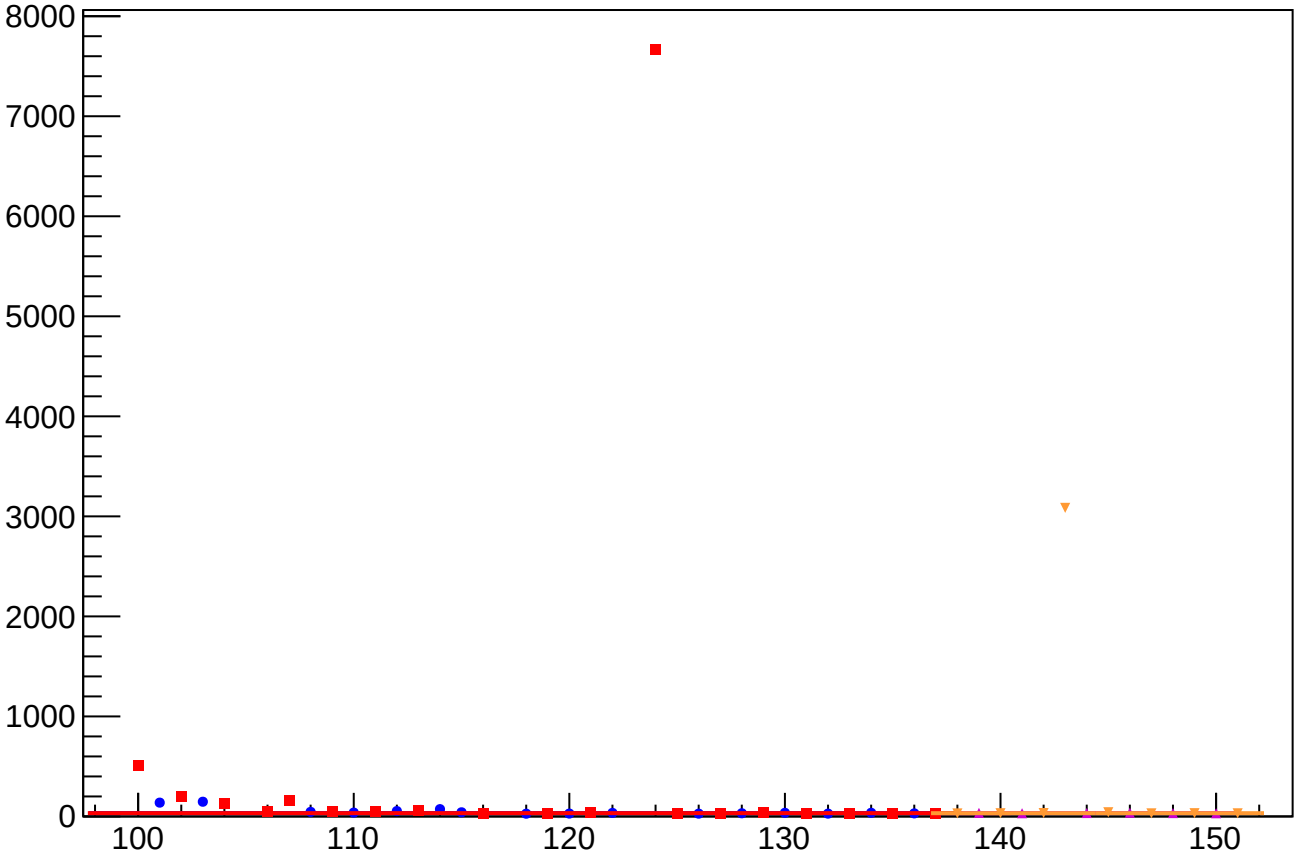
Left In: 0.001+/-0.016 χ^2/NDF:6.4/5

\+ sign -0.006+/-0.011 χ^2/NDF: 33.6/23

All: 0.000+/-0.008 χ^2/NDF: 55.1/48

\- sign 0.007+/-0.011 χ^2/NDF: 20.8/24

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: 32.692+/-0.011 χ^2/NDF:1688737.4/7

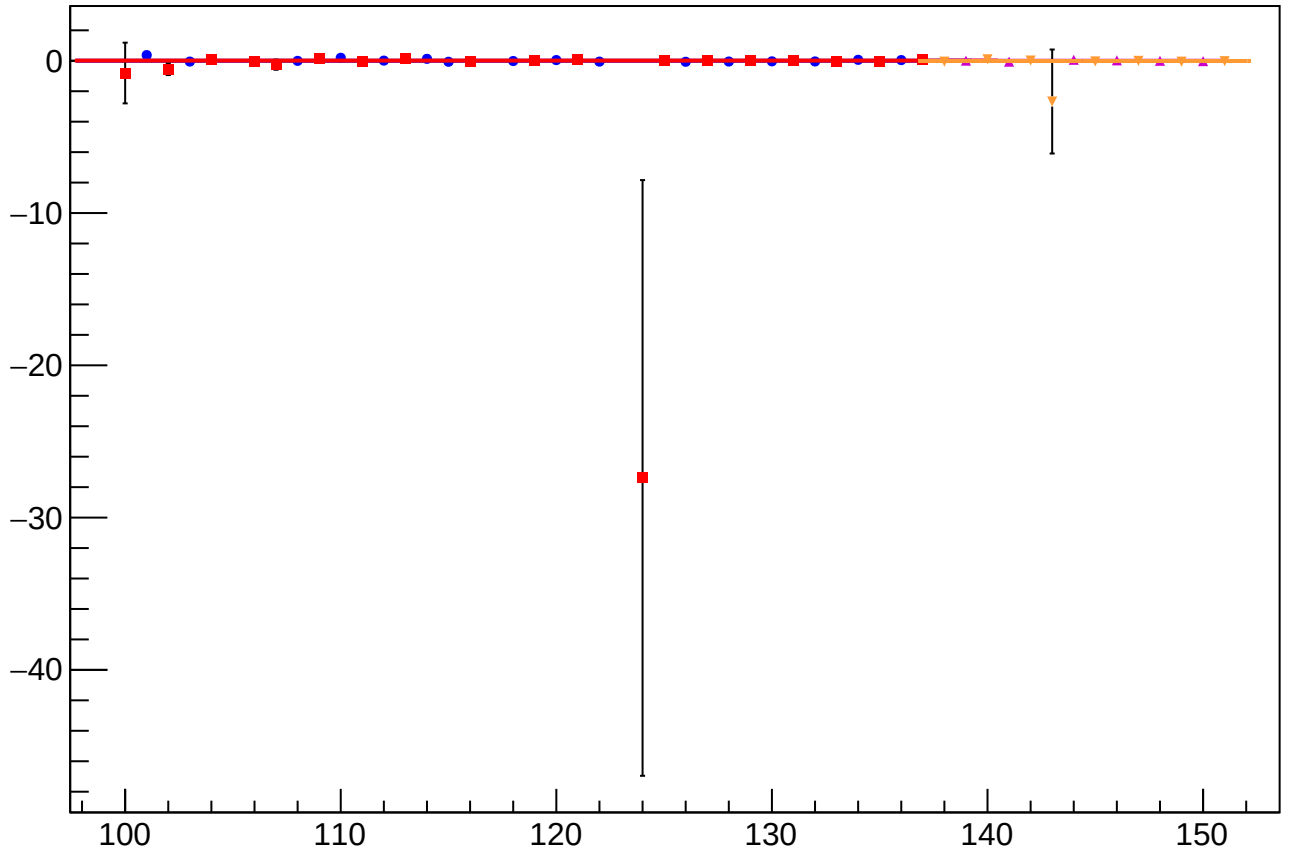
Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 34.058+/-0.011 χ^2/NDF:27248.4/5

+ sign 33.396+/-0.007 χ^2/NDF: 3414251.5/23

All: 33.464+/-0.005 χ^2/NDF: 5520757.8/48

- sign 33.535+/-0.008 χ^2/NDF: 2106339.2/24



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.014+/-0.015 χ^2/NDF:12.0/7

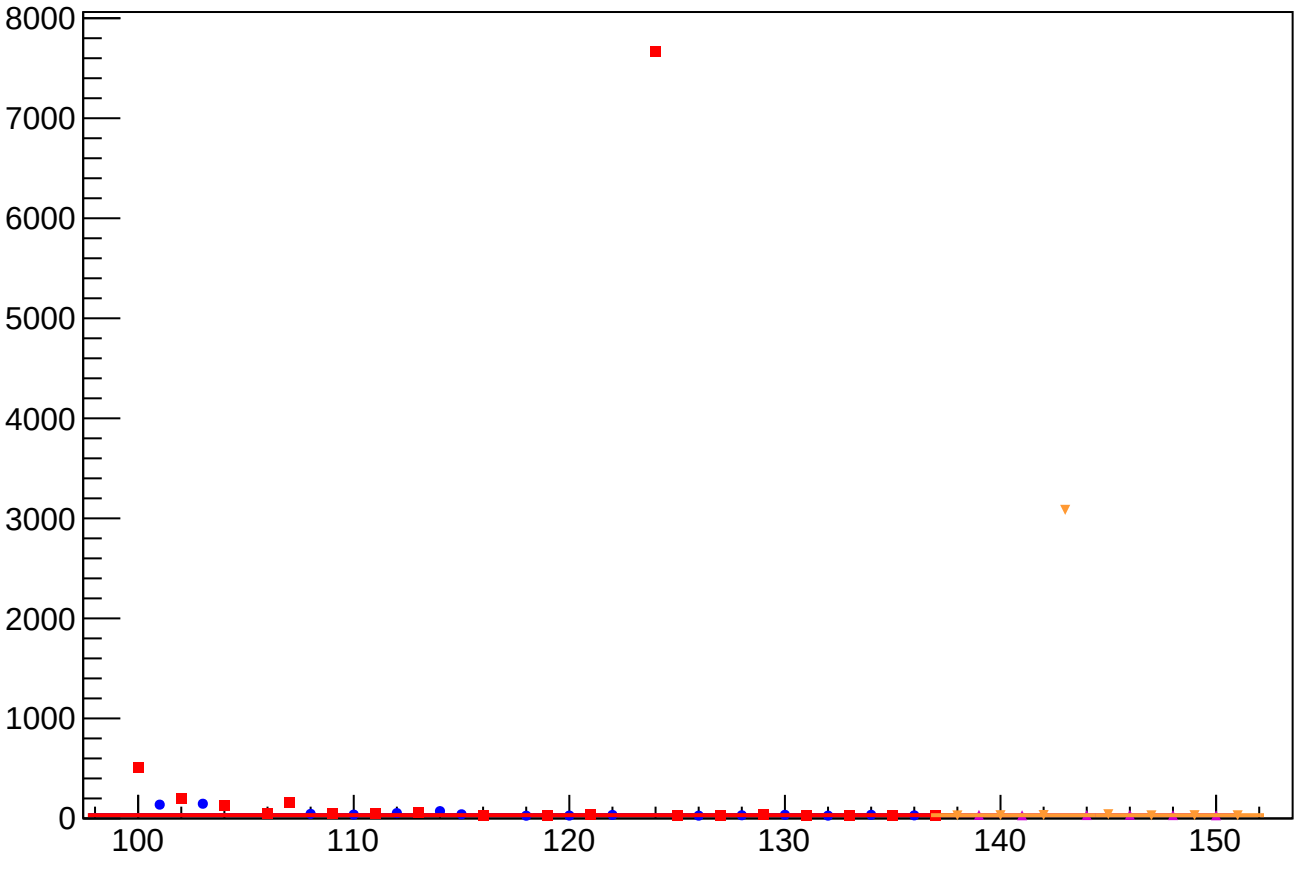
Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: 0.001+/-0.016 χ^2/NDF:6.4/5

\+ sign -0.006+/-0.011 χ^2/NDF: 33.6/23

All: 0.000+/-0.008 χ^2/NDF: 55.1/48

\- sign 0.007+/-0.011 χ^2/NDF: 20.8/24



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 32.692+/-0.011 χ^2/NDF:1688737.4/7

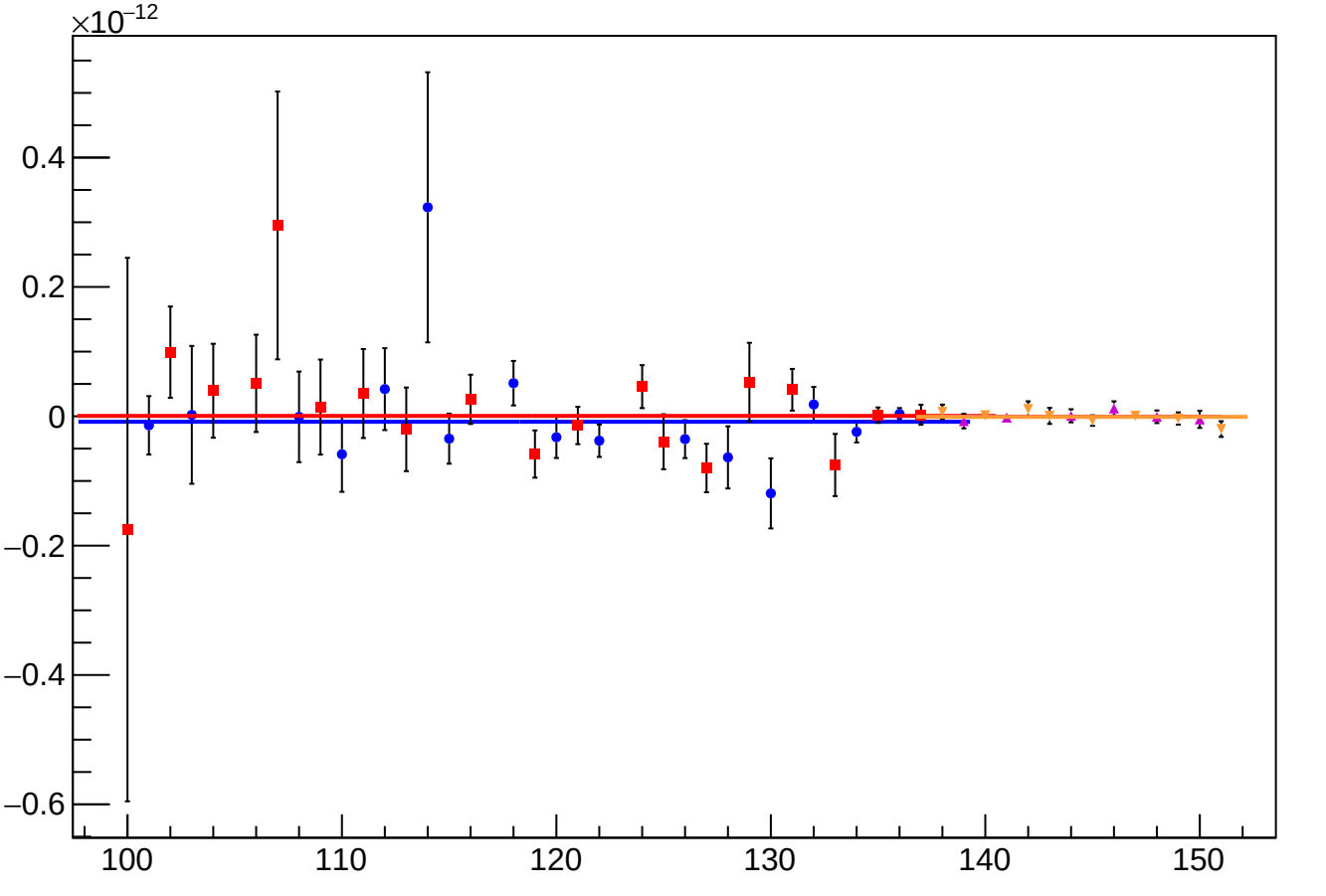
Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

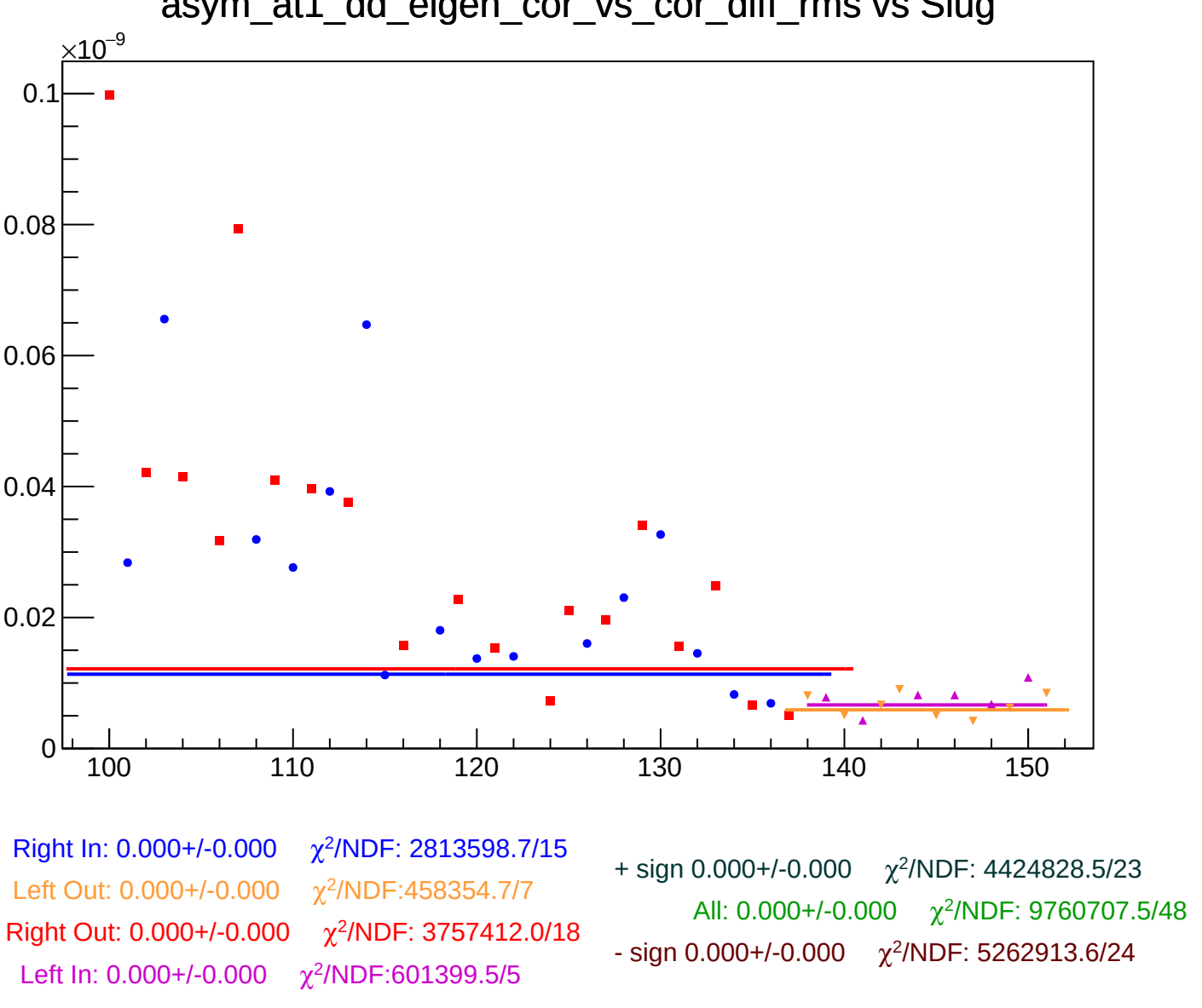
Left In: 34.058+/-0.011 χ^2/NDF:27248.4/5

+ sign 33.396+/-0.007 χ^2/NDF: 3414251.5/23

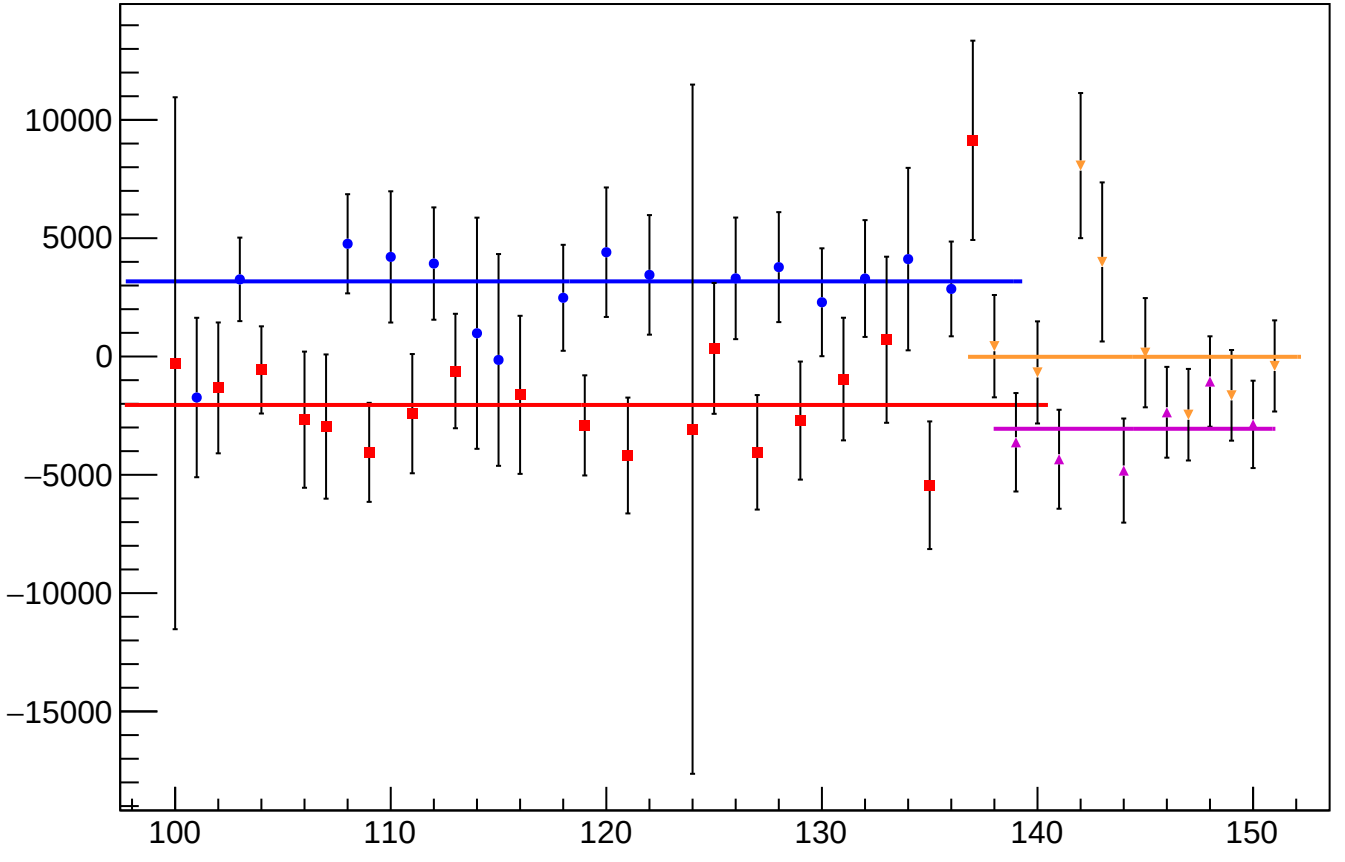
All: 33.464+/-0.005 χ^2/NDF: 5520757.8/48

- sign 33.535+/-0.008 χ^2/NDF: 2106339.2/24


asym_at1_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 19.3/15
Left Out: -0.000+/-0.000 χ²/NDF:4.7/7
Right Out: 0.000+/-0.000 χ²/NDF: 20.8/18
Left In: -0.000+/-0.000 χ²/NDF:1.9/5
+ sign -0.000+/-0.000 χ²/NDF: 25.1/23
All: -0.000+/-0.000 χ²/NDF: 48.0/48
- sign -0.000+/-0.000 χ²/NDF: 22.7/24


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
Right In: 0.000+/-0.000 χ²/NDF: 2813598.7/15
Left Out: 0.000+/-0.000 χ²/NDF:458354.7/7
Right Out: 0.000+/-0.000 χ²/NDF: 3757412.0/18
Left In: 0.000+/-0.000 χ²/NDF:601399.5/5
+ sign 0.000+/-0.000 χ²/NDF: 4424828.5/23
All: 0.000+/-0.000 χ²/NDF: 9760707.5/48
- sign 0.000+/-0.000 χ²/NDF: 5262913.6/24

reg_asym_at2_avg_mean vs Slug



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: -12.659+/-785.646 χ^2/NDF:10.9/7

Right Out: -2047.403+/-621.498 χ^2/NDF: 14.0/18

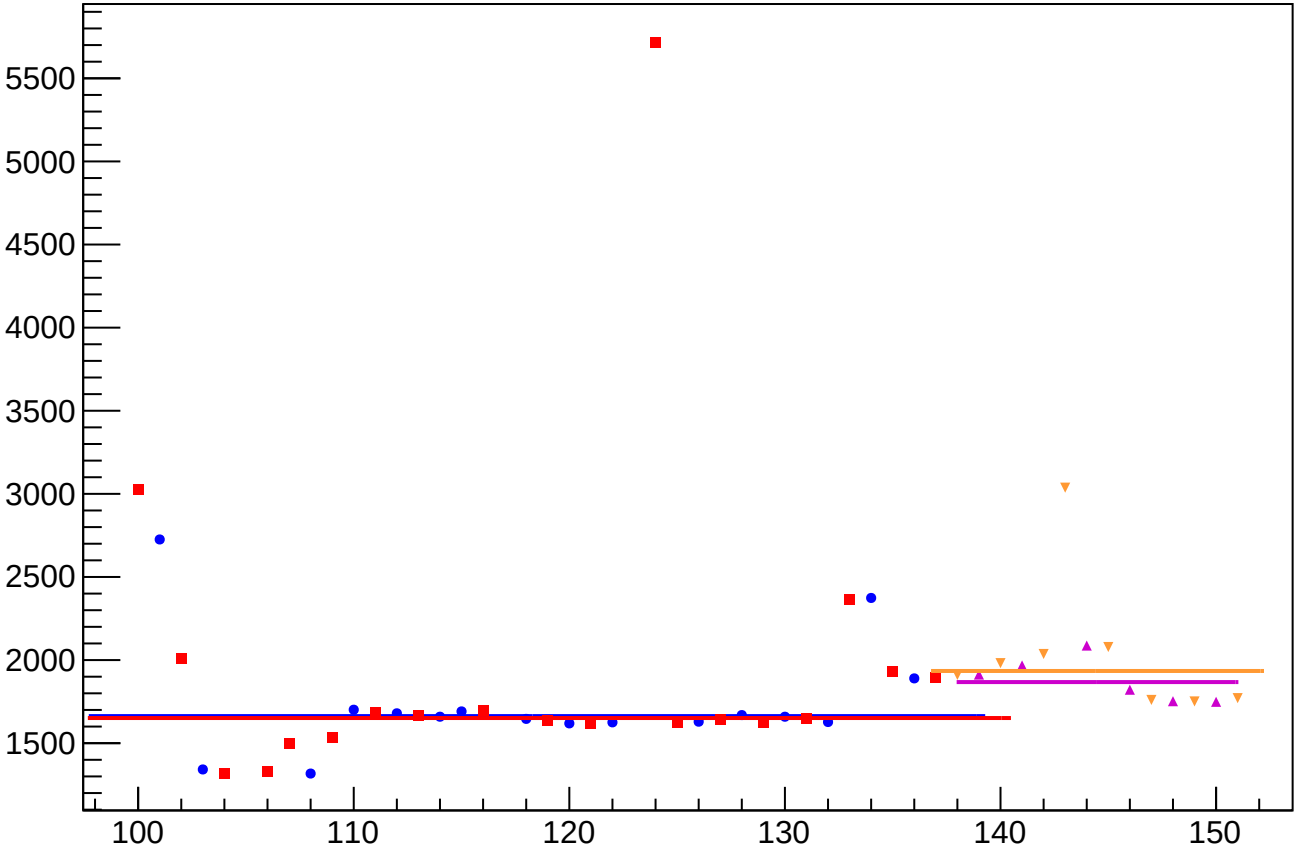
Left In: -3054.557+/-815.132 χ^2/NDF:2.3/5

+ sign 1932.668+/-490.539 χ^2/NDF: 25.2/23

All: -226.193+/-348.161 χ^2/NDF: 81.6/48

- sign -2417.655+/-494.229 χ^2/NDF: 17.3/24

reg_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 1934.433+/-0.556 χ^2/NDF:275361.4/7

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

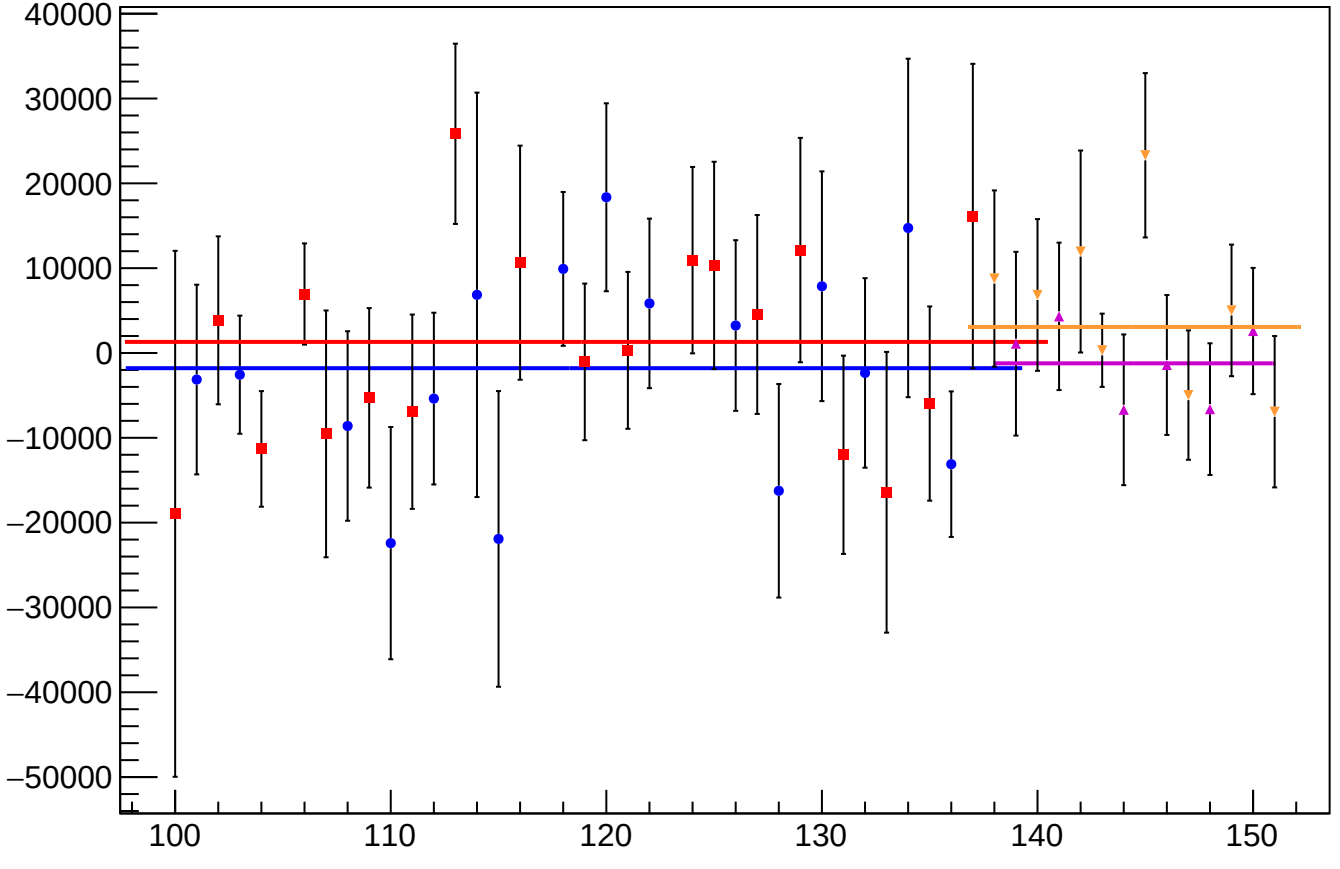
Left In: 1867.605+/-0.576 χ^2/NDF:42114.4/5

+ sign 1768.757+/-0.347 χ^2/NDF: 836758.6/23

All: 1749.937+/-0.246 χ^2/NDF: 1405813.3/48

- sign 1730.832+/-0.349 χ^2/NDF: 563122.2/24

asym_at2_avg_reg_correction_mean vs Slug



Right In: -1791.030+/-2743.617 χ^2/NDF: 14.3/15

Left Out: 3067.801+/-2677.813 χ^2/NDF:8.2/7

Right Out: 1306.311+/-2430.063 χ^2/NDF: 17.7/18

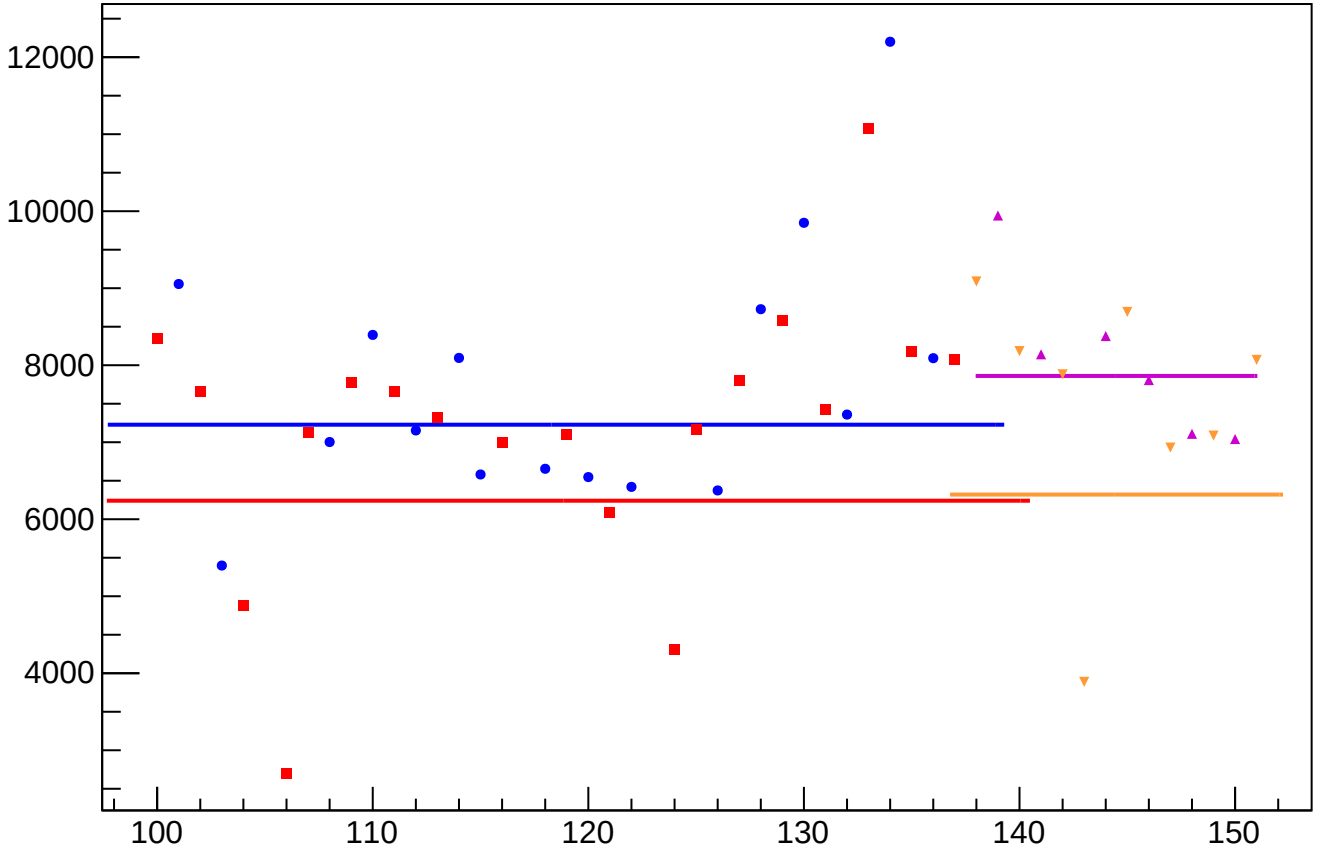
Left In: -1220.782+/-3454.594 χ^2/NDF:1.6/5

+ sign 697.352+/-1916.342 χ^2/NDF: 24.2/23

All: 587.723+/-1379.555 χ^2/NDF: 43.8/48

- sign 469.792+/-1987.578 χ^2/NDF: 19.7/24

asym_at2_avg_reg_correction_rms vs Slug



Right In: 7227.590+/-1.940 χ^2/NDF: 503260.9/15

Left Out: 6320.232+/-1.894 χ^2/NDF:1126366.2/7

Right Out: 6240.557+/-1.718 χ^2/NDF: 1399077.4/18

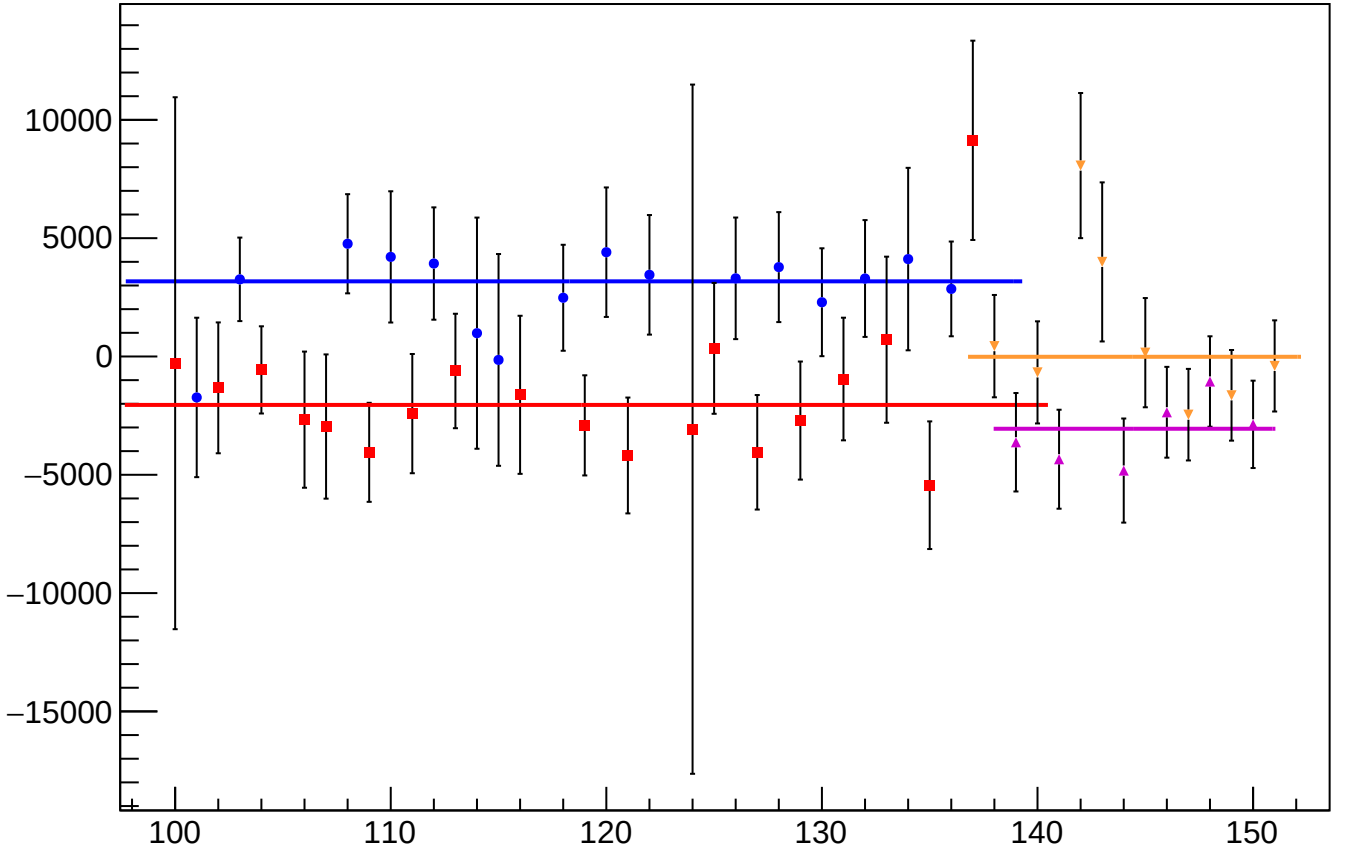
Left In: 7860.803+/-2.443 χ^2/NDF:125966.1/5

+ sign 6762.900+/-1.355 χ^2/NDF: 1741654.7/23

All: 6769.640+/-0.975 χ^2/NDF: 3561063.8/48

- sign 6776.891+/-1.405 χ^2/NDF: 1819357.7/24

cor_asym_at2_avg_mean vs Slug



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: -12.724+/-785.646 χ^2/NDF:10.9/7

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

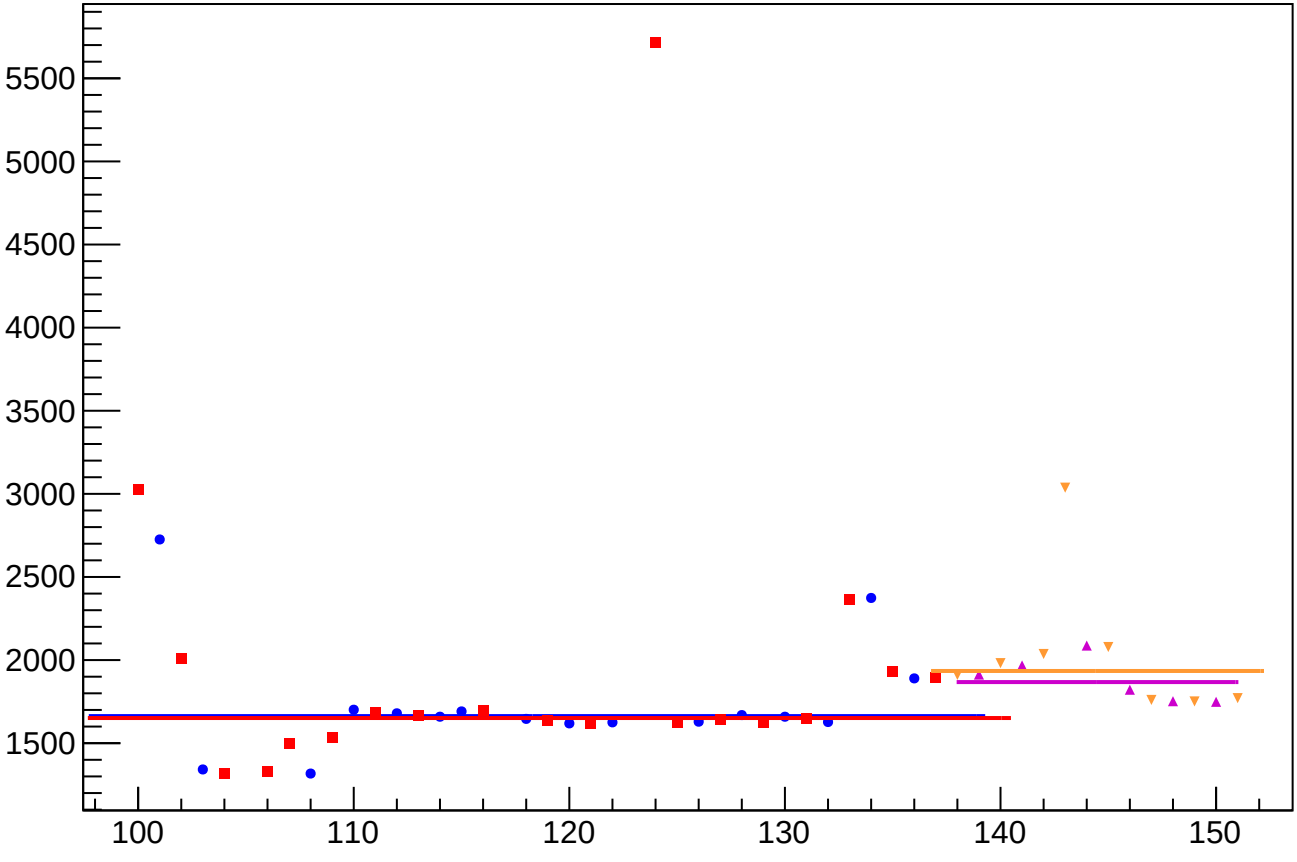
Left In: -3054.726+/-815.132 χ^2/NDF:2.3/5

+ sign 1932.698+/-490.539 χ^2/NDF: 25.2/23

All: -226.147+/-348.161 χ^2/NDF: 81.6/48

- sign -2417.594+/-494.229 χ^2/NDF: 17.3/24

cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1934.433+/-0.556 χ^2/NDF:275361.4/7

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

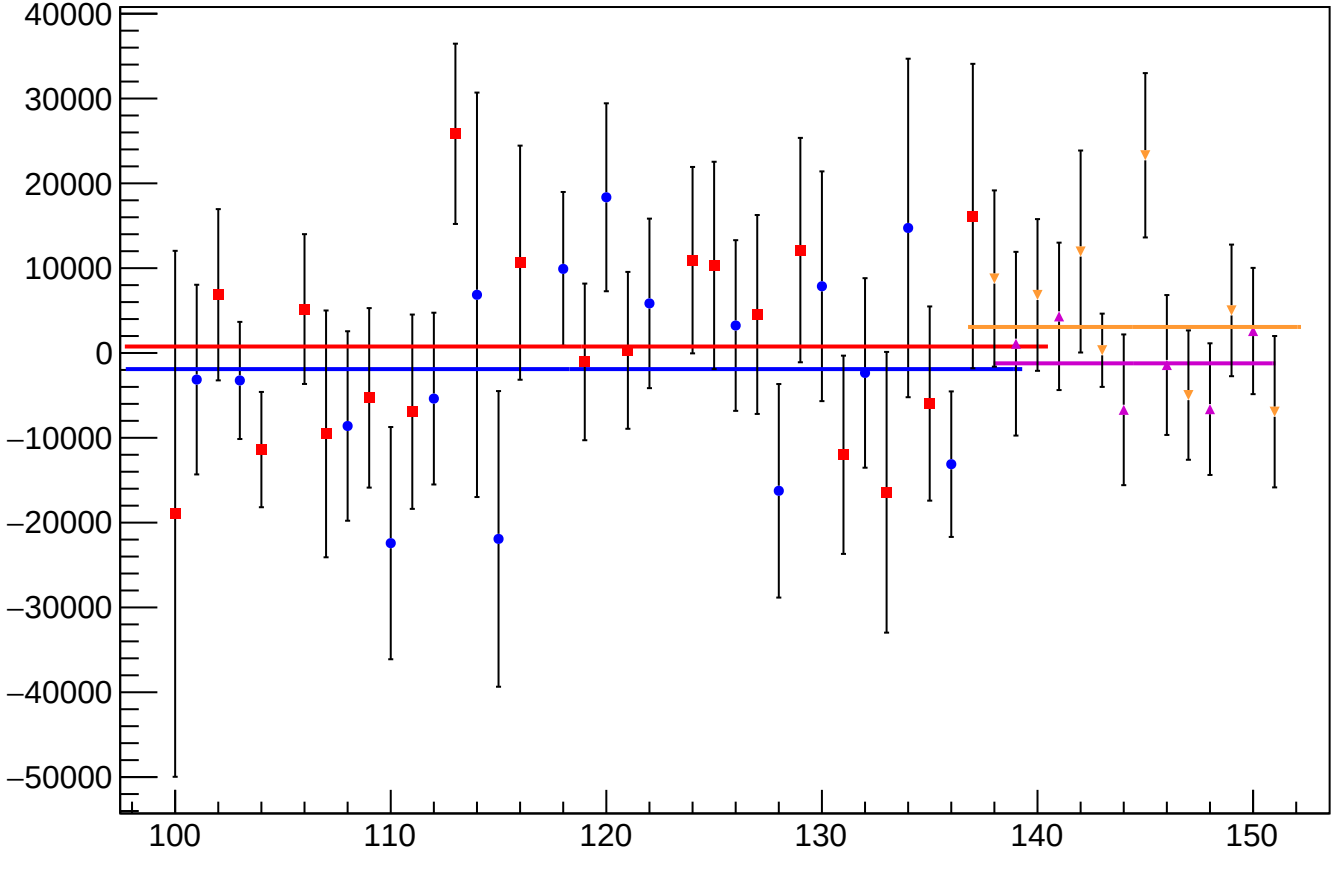
Left In: 1867.605+/-0.576 χ^2/NDF:42114.4/5

+ sign 1768.757+/-0.347 χ^2/NDF: 836759.0/23

All: 1749.937+/-0.246 χ^2/NDF: 1405814.0/48

- sign 1730.832+/-0.349 χ^2/NDF: 563122.5/24

asym_at2_avg_cor_correction_mean vs Slug



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 3067.698+/-2677.801 χ^2/NDF:8.2/7

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

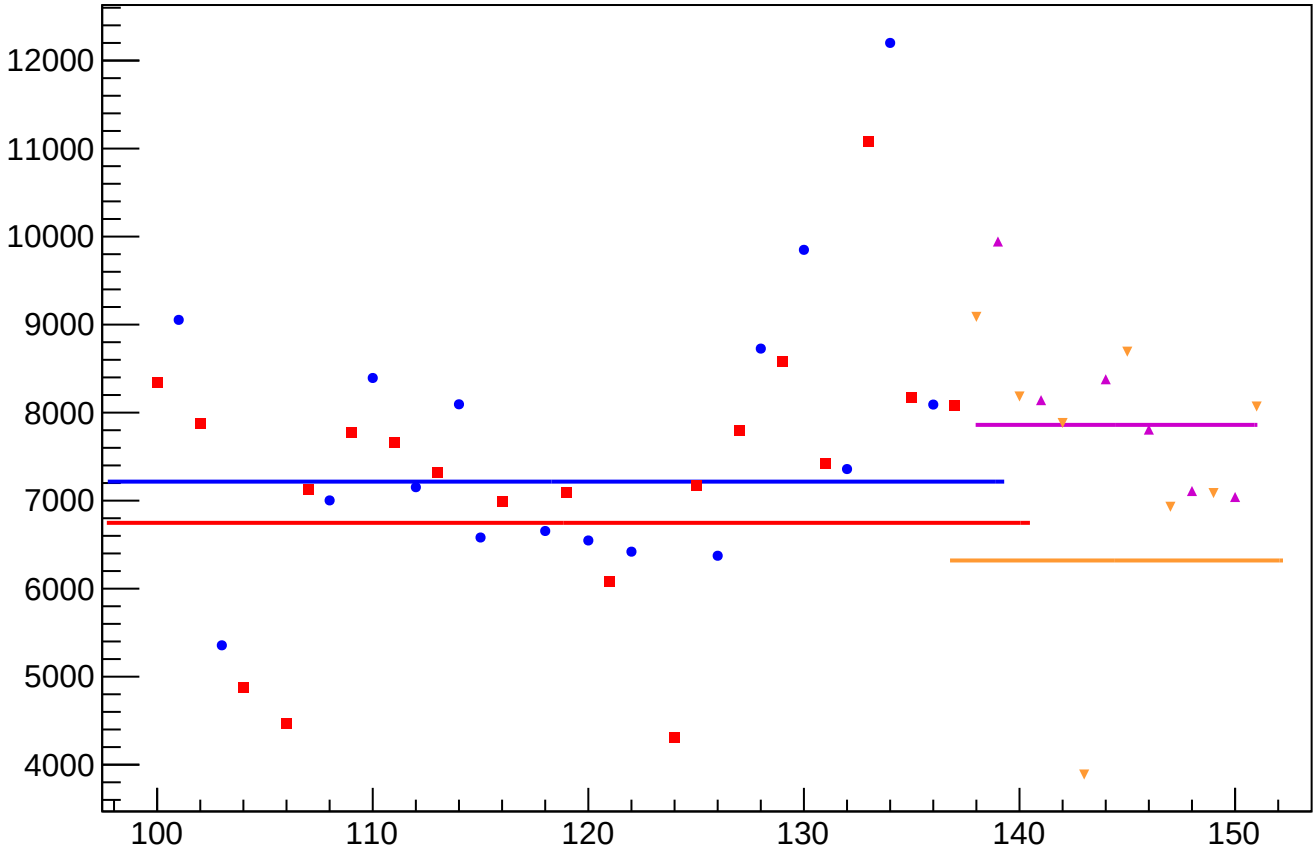
Left In: -1220.899+/-3454.591 χ^2/NDF:1.6/5

+ sign 640.770+/-1915.088 χ^2/NDF: 24.3/23

All: 371.741+/-1399.940 χ^2/NDF: 43.4/48

- sign 62.997+/-2051.582 χ^2/NDF: 19.1/24

asym_at2_avg_cor_correction_rms vs Slug



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 6320.194+/-1.893 χ^2/NDF:1126397.9/7

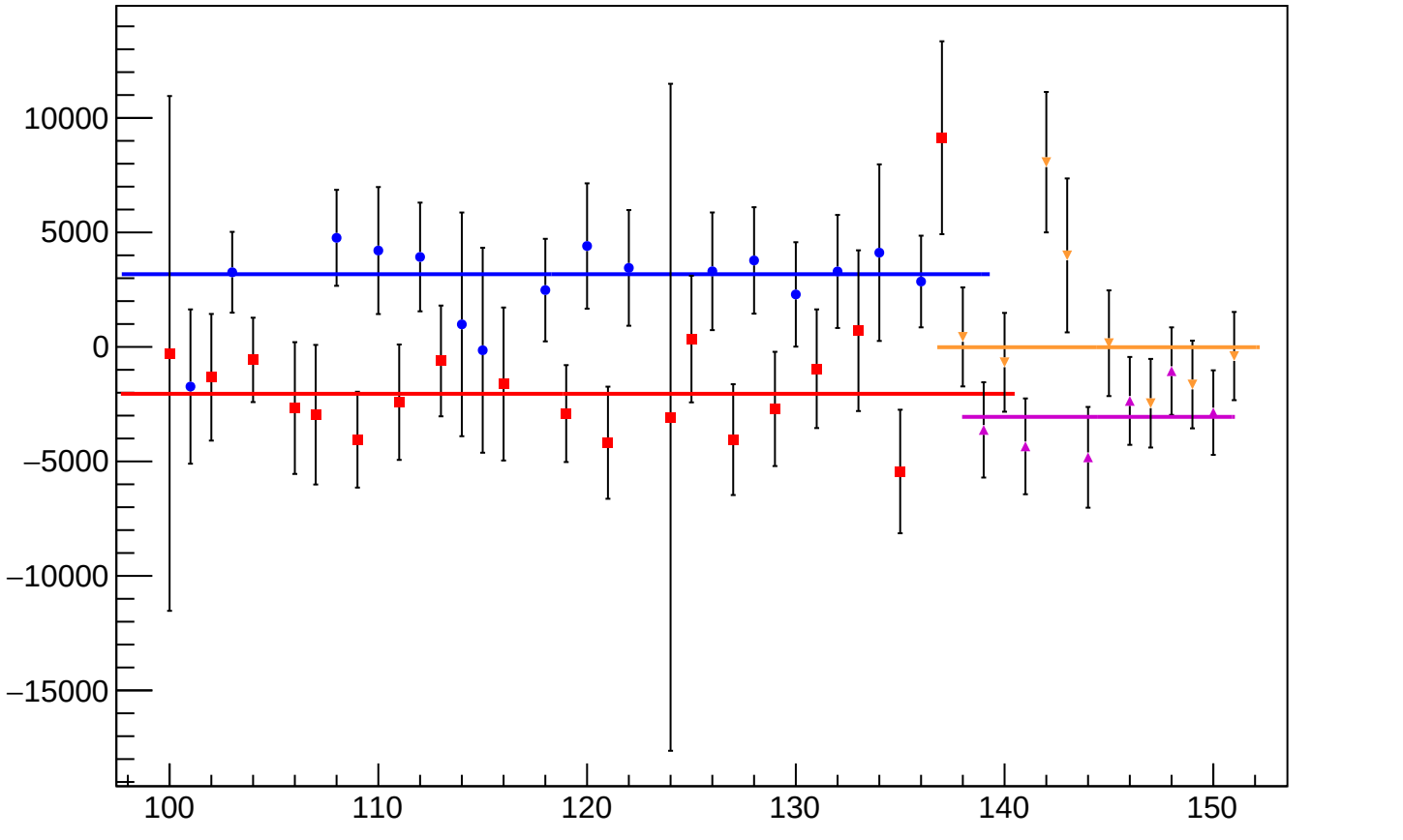
Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 7860.797+/-2.443 χ^2/NDF:125966.3/5

\+ sign 6757.836+/-1.354 χ^2/NDF: 1747874.8/23

All: 6935.920+/-0.990 χ^2/NDF: 2754173.6/48

\- sign 7140.294+/-1.451 χ^2/NDF: 969157.1/24



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: -12.724+/-785.646 χ^2/NDF:10.9/7

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

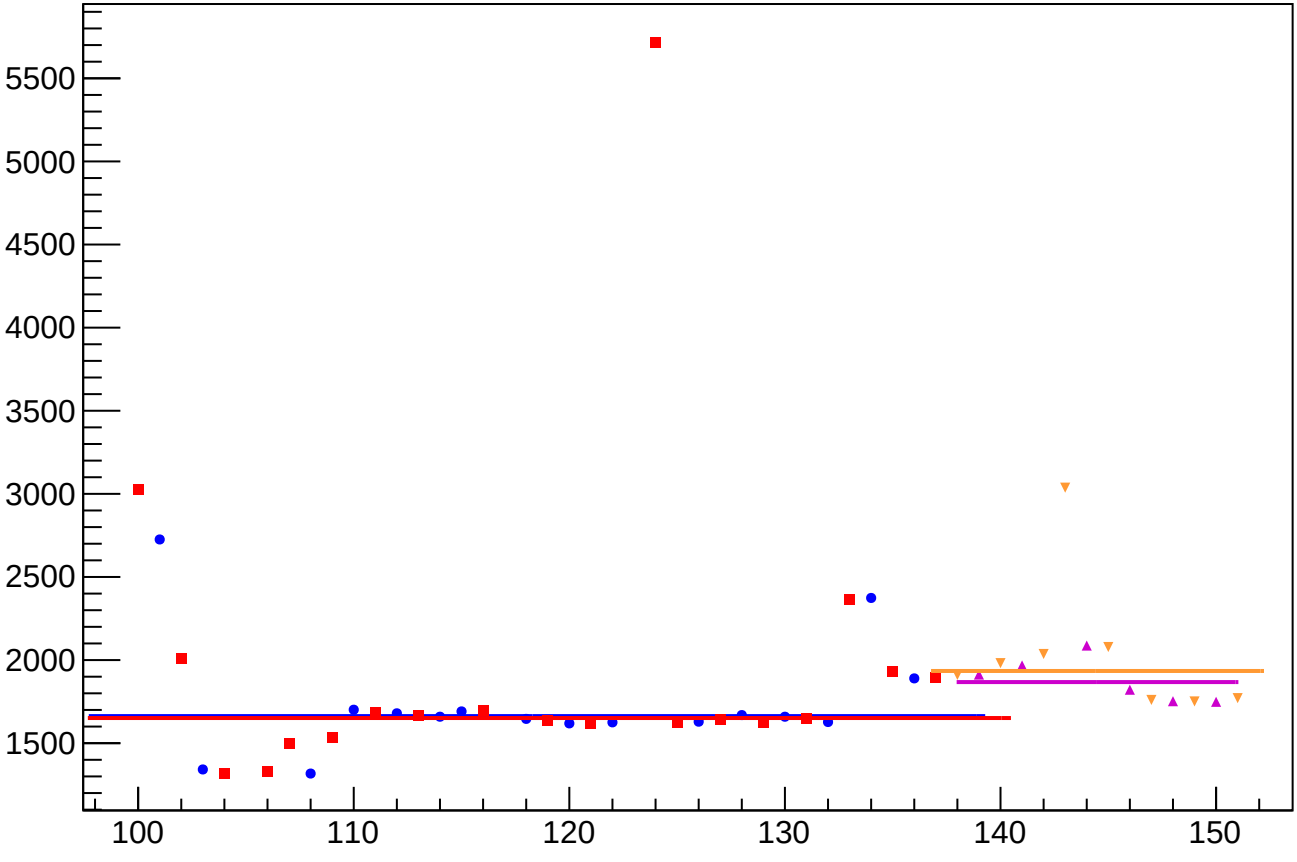
Left In: -3054.726+/-815.132 χ^2/NDF:2.3/5

+ sign 1932.698+/-490.539 χ^2/NDF: 25.2/23

All: -226.147+/-348.161 χ^2/NDF: 81.6/48

- sign -2417.594+/-494.229 χ^2/NDF: 17.3/24

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1934.433+/-0.556 χ^2/NDF:275361.4/7

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

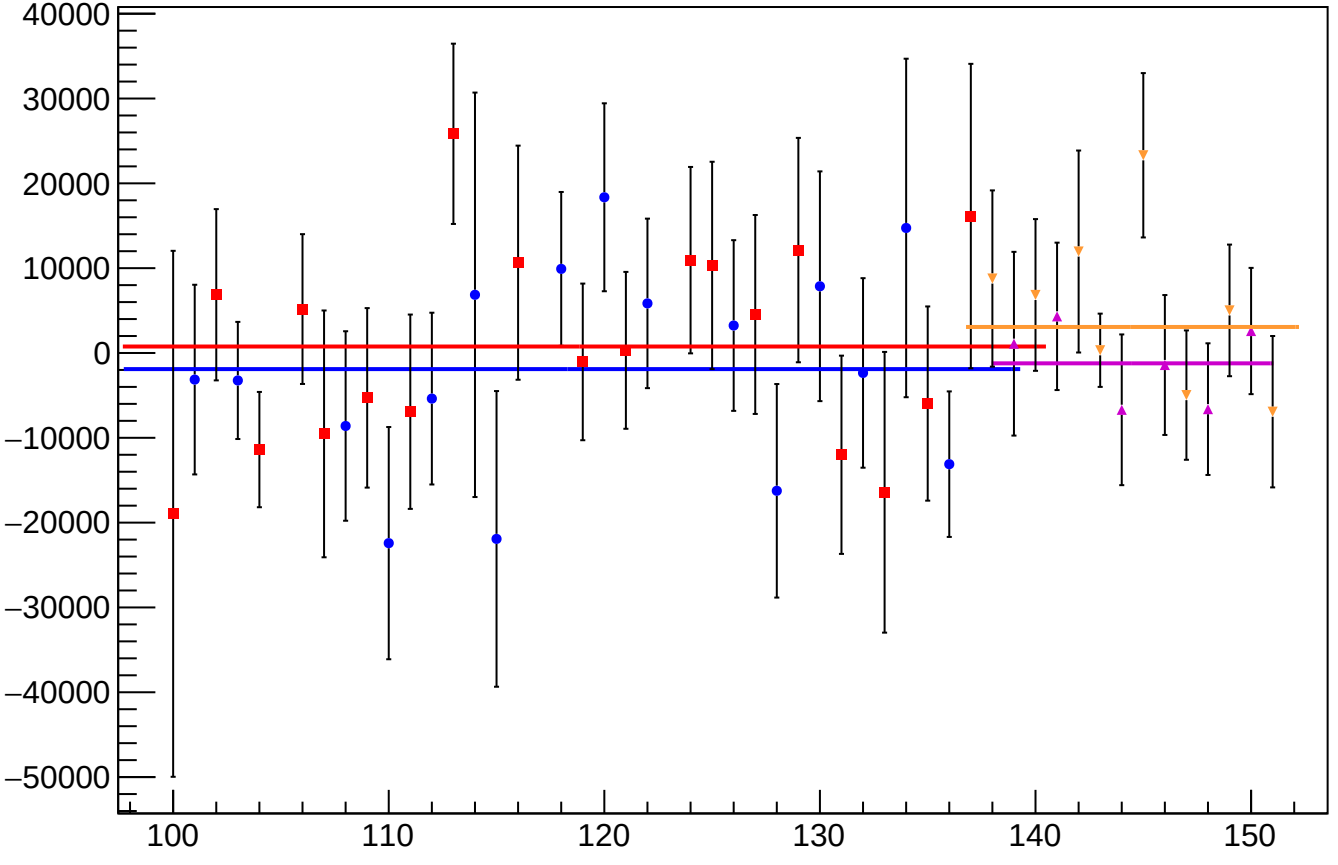
Left In: 1867.605+/-0.576 χ^2/NDF:42114.4/5

+ sign 1768.757+/-0.347 χ^2/NDF: 836759.0/23

All: 1749.937+/-0.246 χ^2/NDF: 1405814.0/48

- sign 1730.832+/-0.349 χ^2/NDF: 563122.5/24

asym_at2_avg_eigen_cor_correction_mean vs Slug



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 3067.698+/-2677.801 χ^2/NDF:8.2/7

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

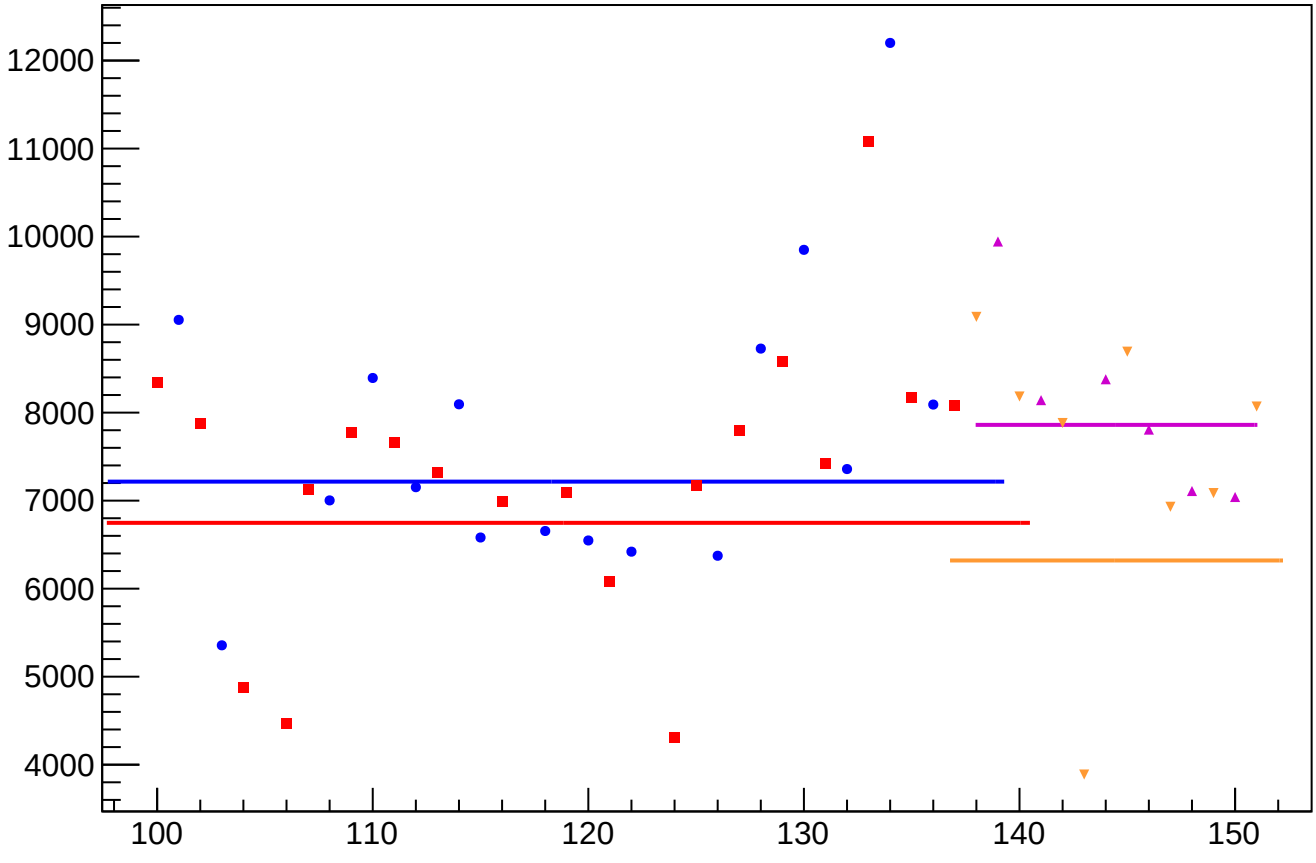
Left In: -1220.899+/-3454.591 χ^2/NDF:1.6/5

+ sign 640.770+/-1915.088 χ^2/NDF: 24.3/23

All: 371.741+/-1399.940 χ^2/NDF: 43.4/48

- sign 62.997+/-2051.582 χ^2/NDF: 19.1/24

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 6320.194+/-1.893 χ^2/NDF:1126397.9/7

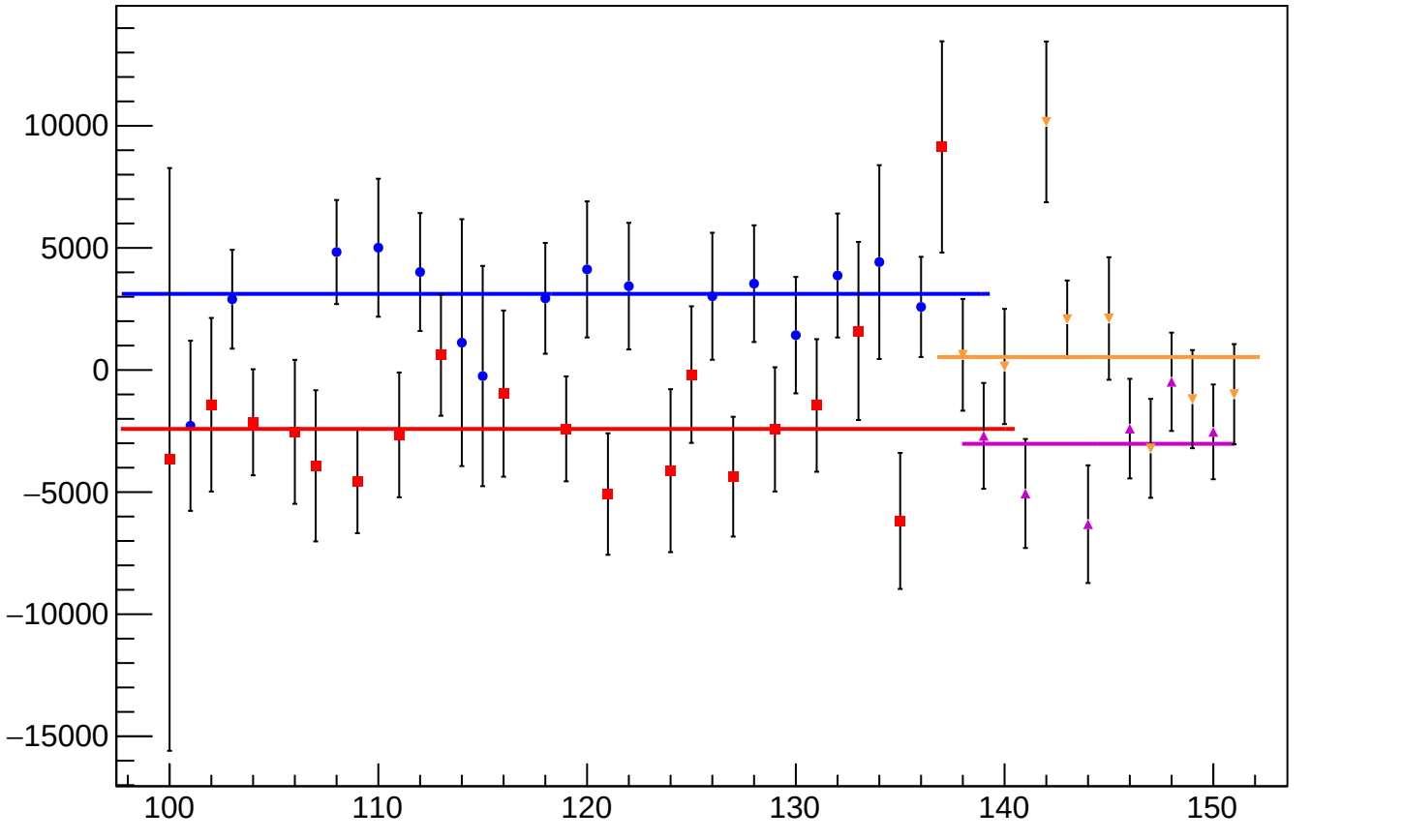
Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 7860.797+/-2.443 χ^2/NDF:125966.3/5

\+ sign 6757.836+/-1.354 χ^2/NDF: 1747874.8/23

All: 6935.920+/-0.990 χ^2/NDF: 2754173.6/48

\- sign 7140.294+/-1.451 χ^2/NDF: 969157.1/24



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: 532.756+/-756.488 χ^2/NDF:14.6/7

Right Out: -2412.473+/-639.018 χ^2/NDF: 16.0/18

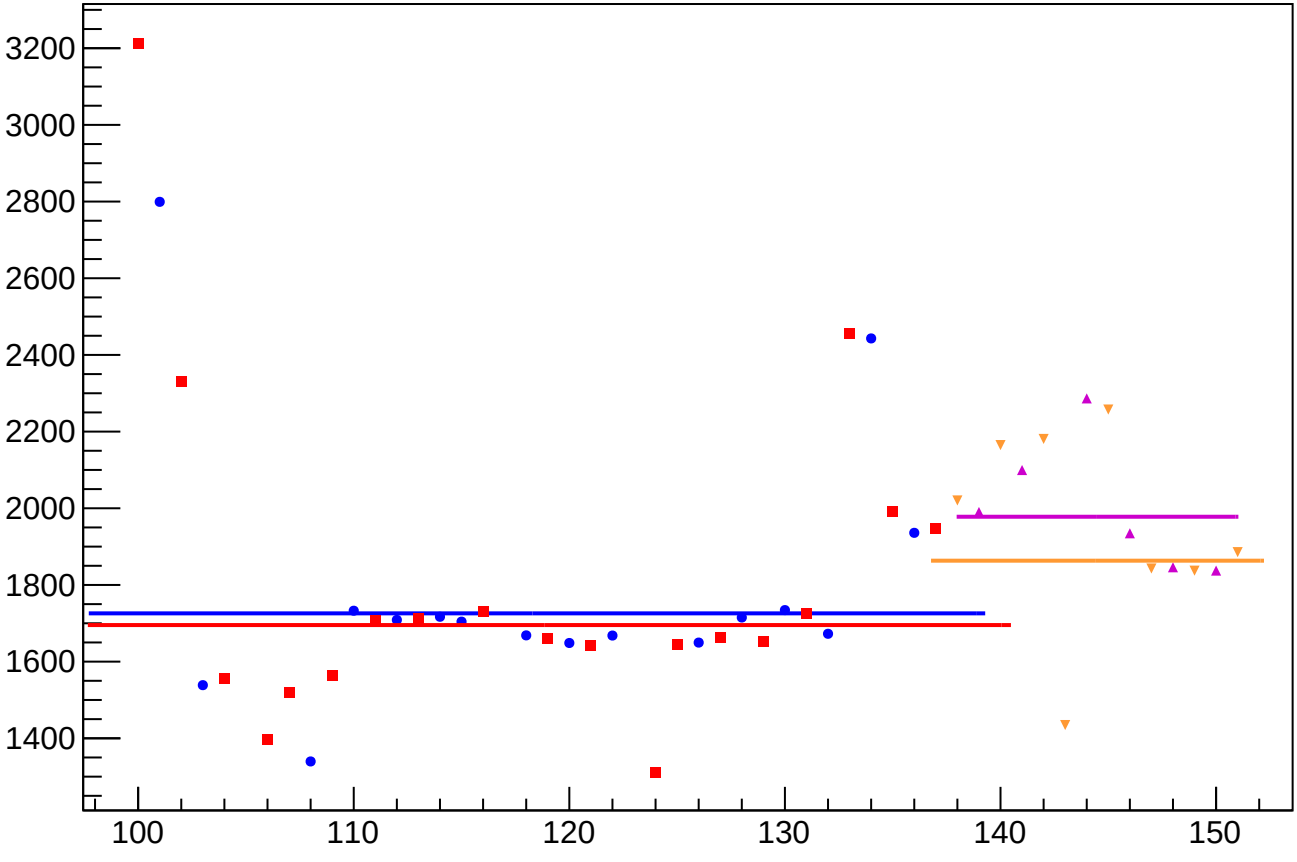
Left In: -3021.660+/-864.228 χ^2/NDF:4.5/5

+ sign 2017.754+/-493.495 χ^2/NDF: 26.7/23

All: -211.351+/-355.920 χ^2/NDF: 89.9/48

- sign -2627.804+/-513.814 χ^2/NDF: 20.8/24

dit_asym_at2_avg_rms vs Slug



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 1863.309+/-0.535 χ^2/NDF:256652.9/7

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

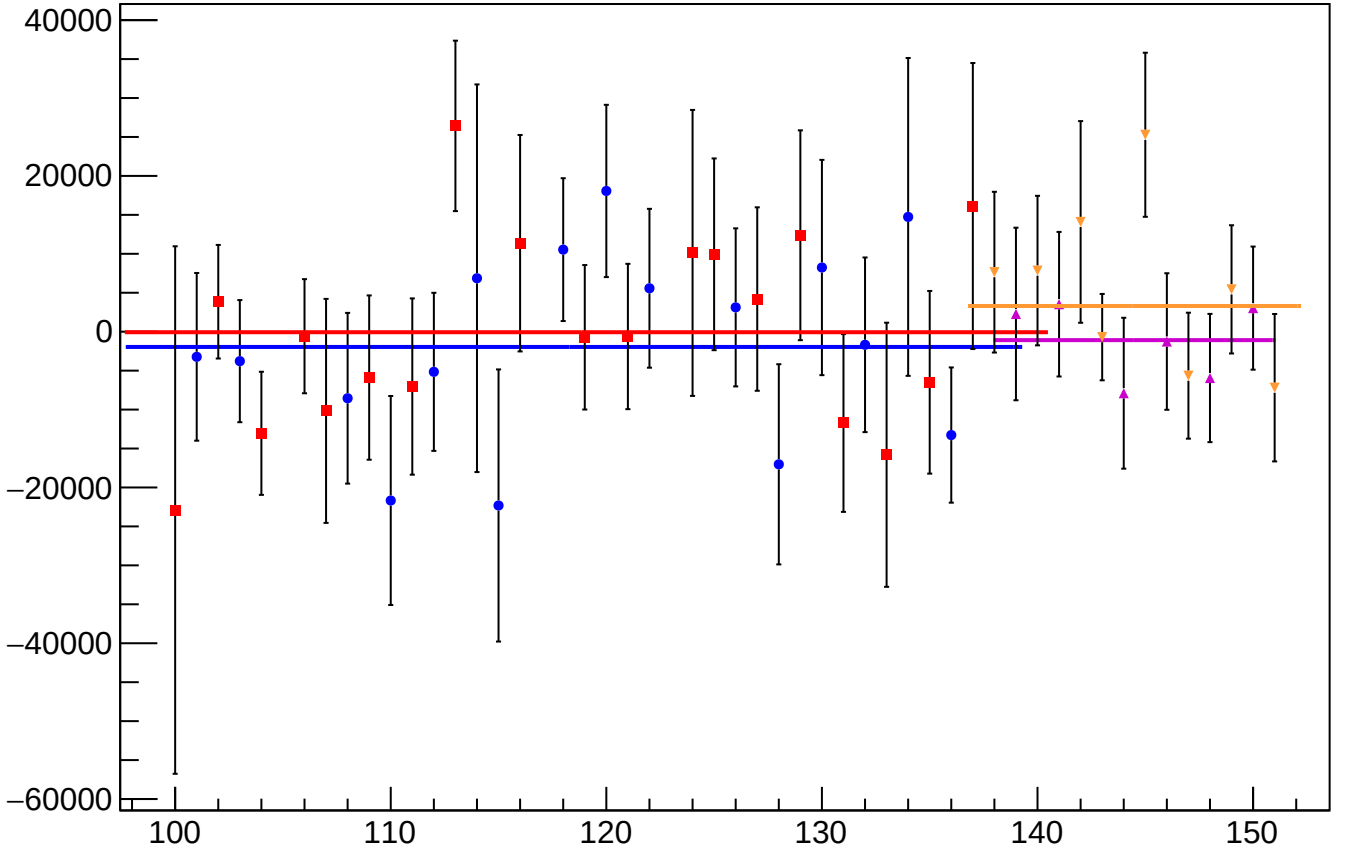
Left In: 1977.927+/-0.611 χ^2/NDF:58782.0/5

+ sign 1784.382+/-0.349 χ^2/NDF: 660191.2/23

All: 1789.579+/-0.252 χ^2/NDF: 1143297.1/48

- sign 1795.209+/-0.363 χ^2/NDF: 482643.8/24

asym_at2_avg_dit_correction_mean vs Slug



Right In: -1958.559+/-2798.309 χ^2/NDF: 14.4/15

Left Out: 3300.344+/-3029.086 χ^2/NDF:8.5/7

Right Out: -68.156+/-2529.527 χ^2/NDF: 16.1/18

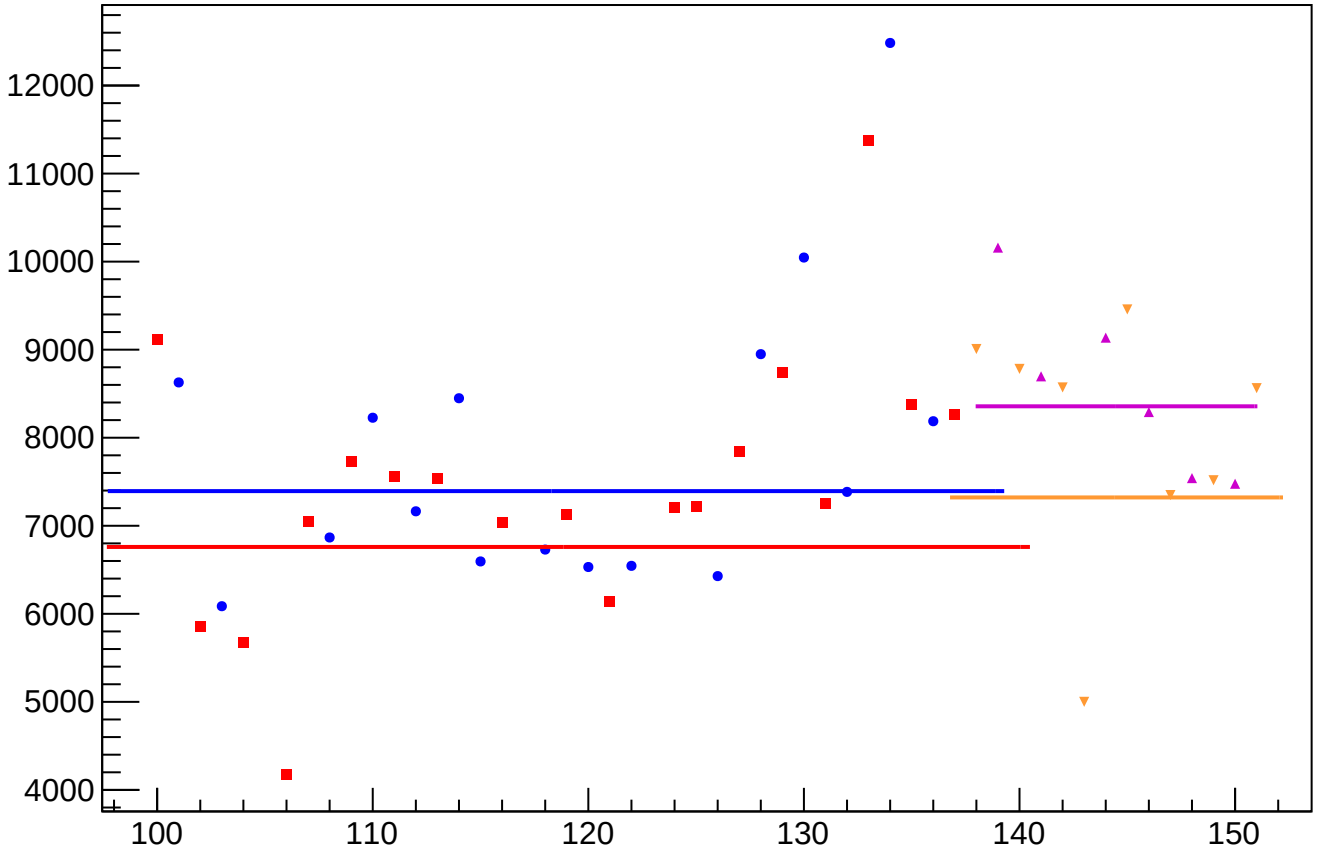
Left In: -1083.998+/-3671.126 χ^2/NDF:1.5/5

+ sign 462.955+/-2055.453 χ^2/NDF: 24.5/23

All: 39.586+/-1463.047 χ^2/NDF: 42.2/48

- sign -395.183+/-2082.944 χ^2/NDF: 17.6/24

asym_at2_avg_dit_correction_rms vs Slug



Right In: 7393.622+/-1.979 χ^2/NDF: 401826.8/15

Left Out: 7321.772+/-2.142 χ^2/NDF:586734.3/7

Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

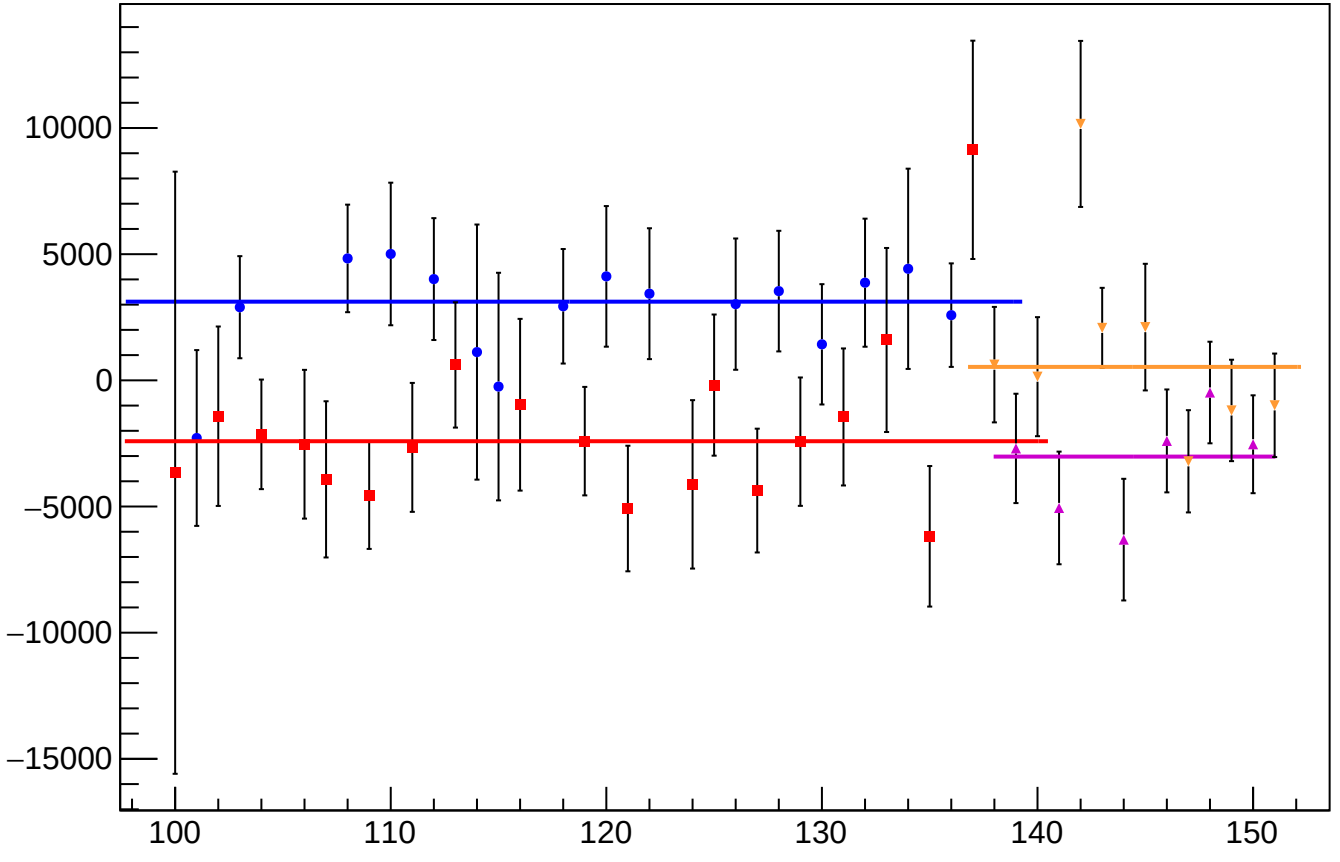
Left In: 8356.743+/-2.596 χ^2/NDF:113113.4/5

+ sign 7360.538+/-1.453 χ^2/NDF: 989168.2/23

All: 7317.669+/-1.035 χ^2/NDF: 2005073.5/48

- sign 7273.646+/-1.473 χ^2/NDF: 1014141.9/24

eigen_dit_asym_at2_avg_mean vs Slug



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: 532.755+/-756.489 χ^2/NDF:14.6/7

Right Out: -2412.481+/-639.018 χ^2/NDF: 16.0/18

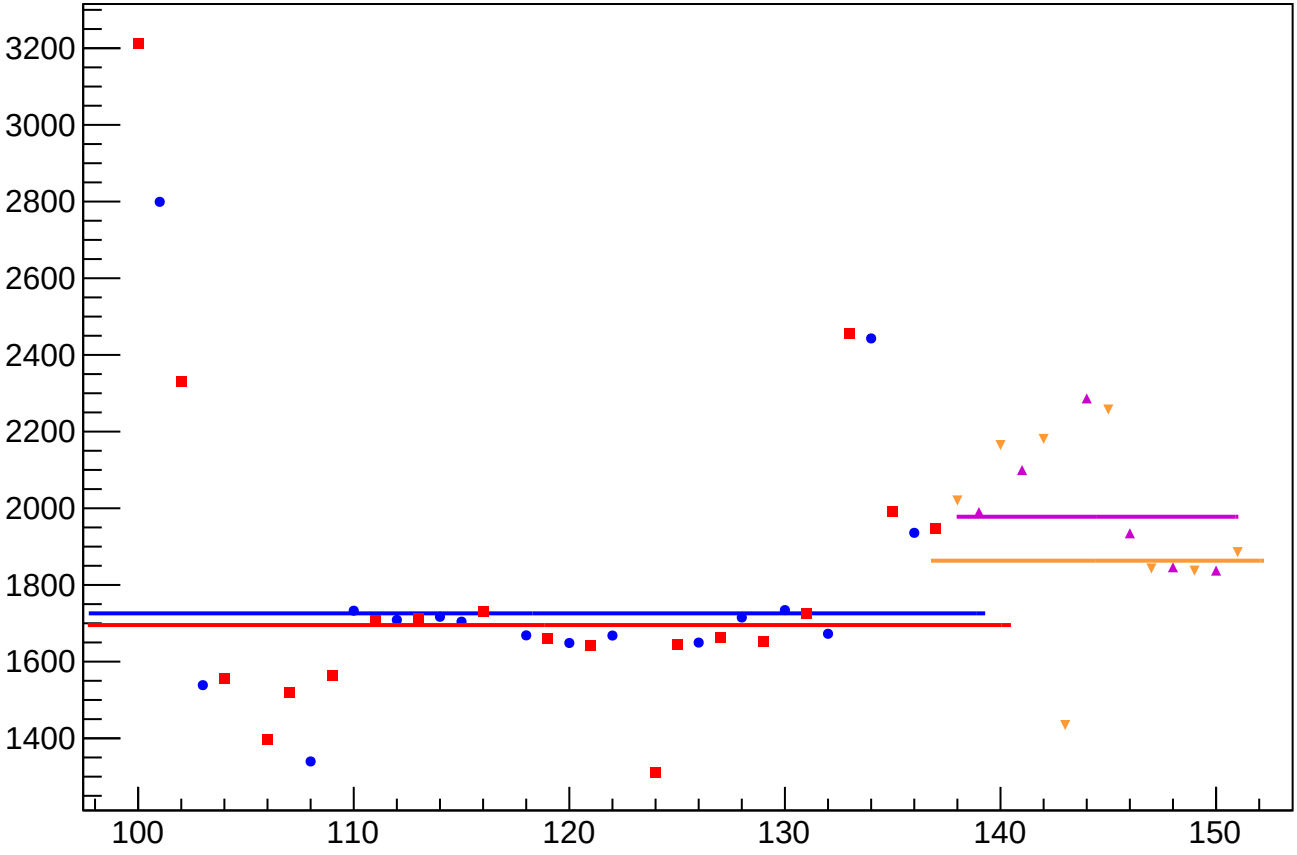
Left In: -3021.656+/-864.229 χ^2/NDF:4.5/5

+ sign 2017.758+/-493.495 χ^2/NDF: 26.7/23

All: -211.351+/-355.920 χ^2/NDF: 90.0/48

- sign -2627.808+/-513.815 χ^2/NDF: 20.8/24

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1725.910+/-0.460 χ^2/NDF: 365639.0/15

Left Out: 1863.311+/-0.535 χ^2/NDF:256653.3/7

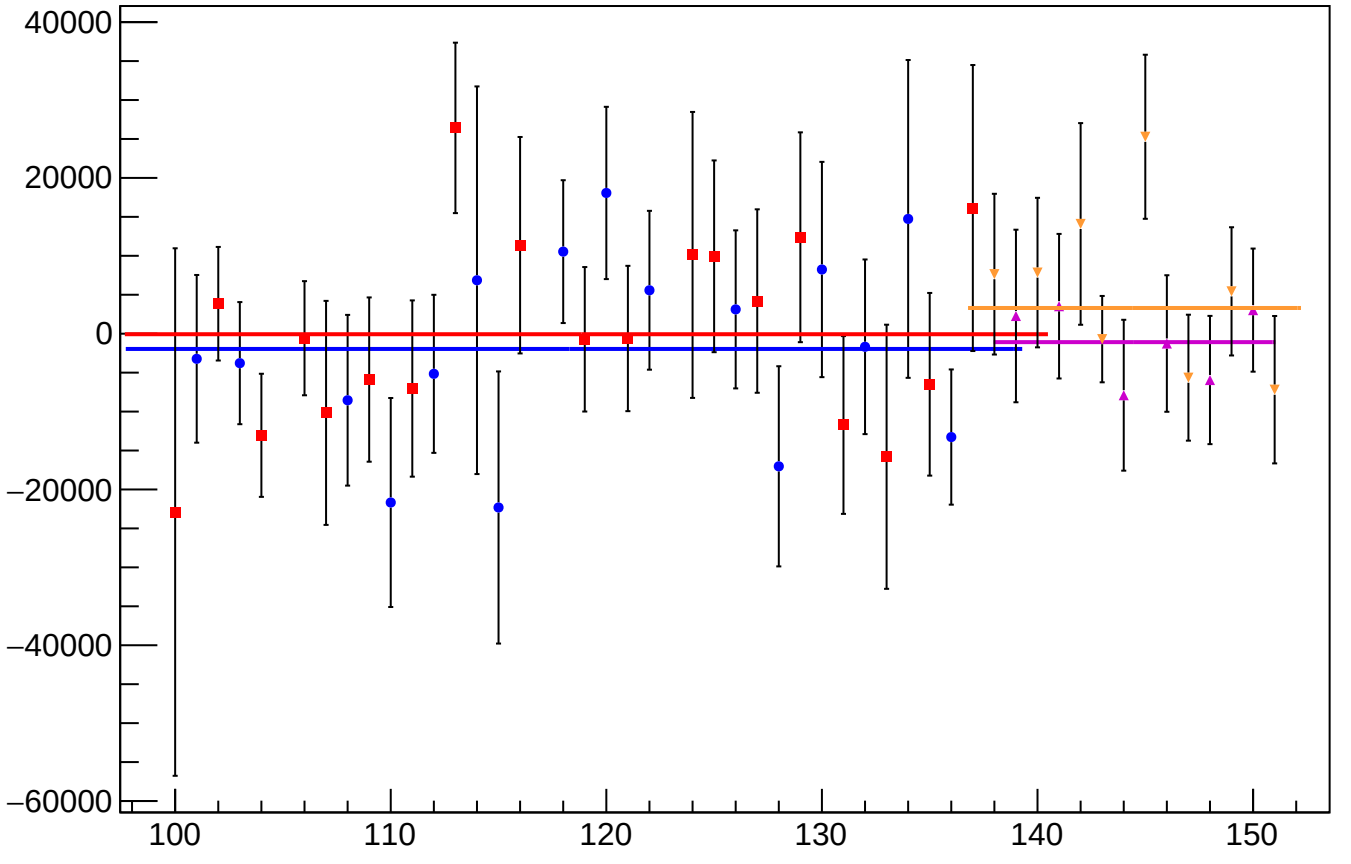
Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

Left In: 1977.930+/-0.611 χ^2/NDF:58782.3/5

+ sign 1784.382+/-0.349 χ^2/NDF: 660193.1/23

All: 1789.579+/-0.252 χ^2/NDF: 1143302.4/48

- sign 1795.210+/-0.363 χ^2/NDF: 482647.2/24



Right In: -1958.538+/-2798.302 χ^2/NDF: 14.4/15

Left Out: 3300.340+/-3029.090 χ^2/NDF:8.5/7

Right Out: -68.163+/-2529.521 χ^2/NDF: 16.1/18

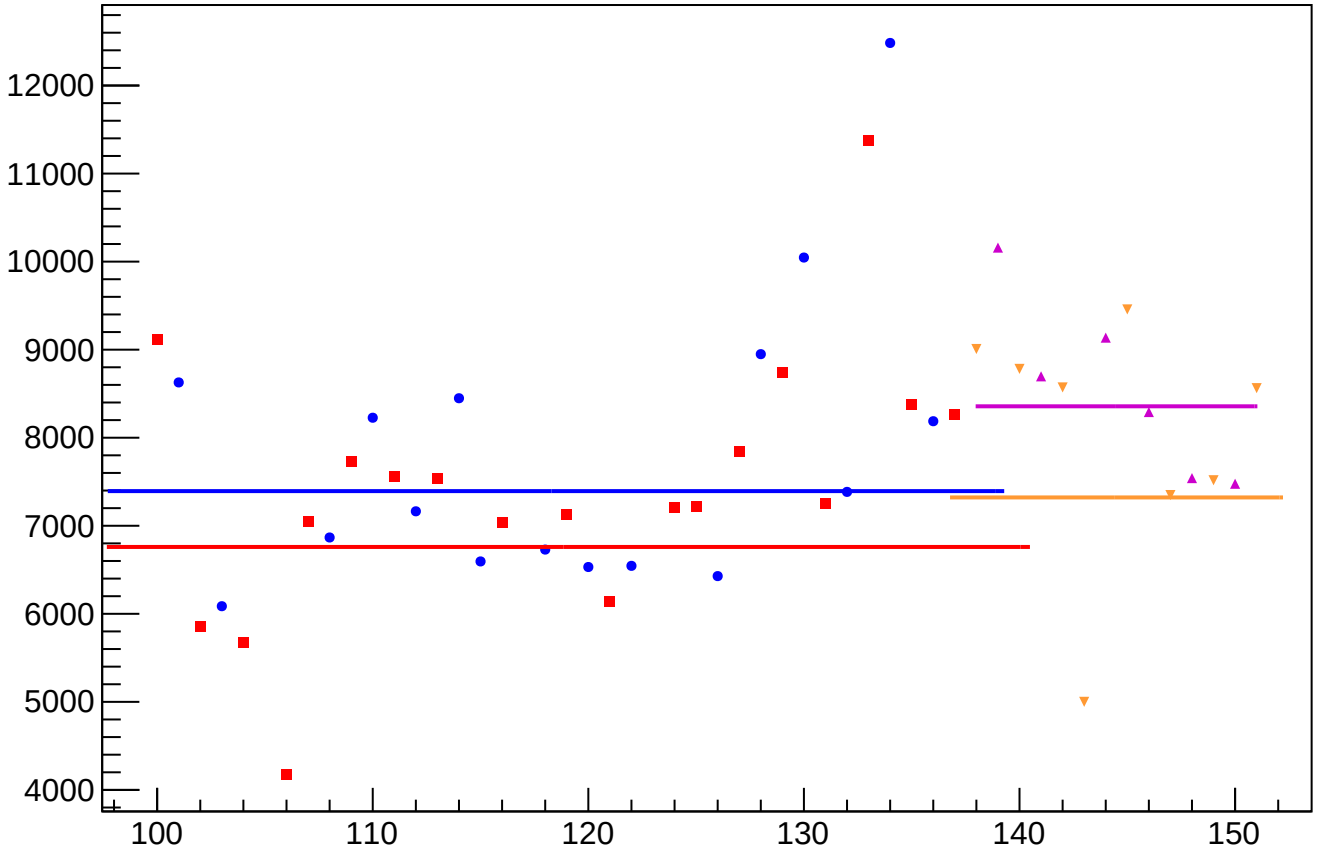
Left In: -1083.994+/-3671.131 χ^2/NDF:1.5/5

+ sign 462.955+/-2055.452 χ^2/NDF: 24.5/23

All: 39.585+/-1463.046 χ^2/NDF: 42.2/48

- sign -395.184+/-2082.942 χ^2/NDF: 17.6/24

asym_at2_avg_eigen_dit_correction_rms vs Slug



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 7321.783+/-2.142 χ^2/NDF:586734.1/7

Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

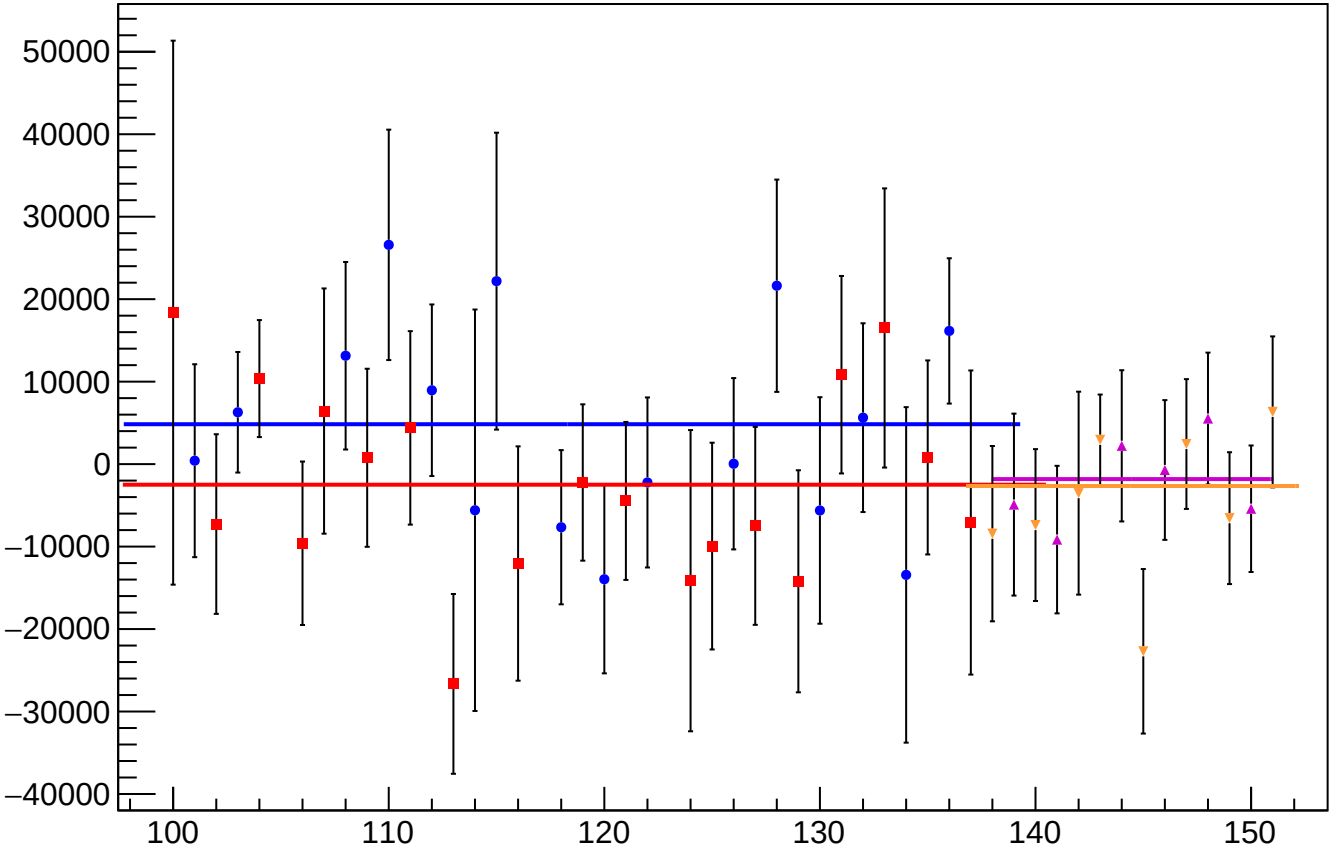
Left In: 8356.754+/-2.596 χ^2/NDF:113114.5/5

+ sign 7360.534+/-1.453 χ^2/NDF: 989169.8/23

All: 7317.663+/-1.035 χ^2/NDF: 2005083.1/48

- sign 7273.637+/-1.473 χ^2/NDF: 1014149.8/24

asym_at2_avg_mean vs Slug



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: -2653.682+/-2959.079 χ^2/NDF:7.3/7

Right Out: -2495.844+/-2695.530 χ^2/NDF: 14.9/18

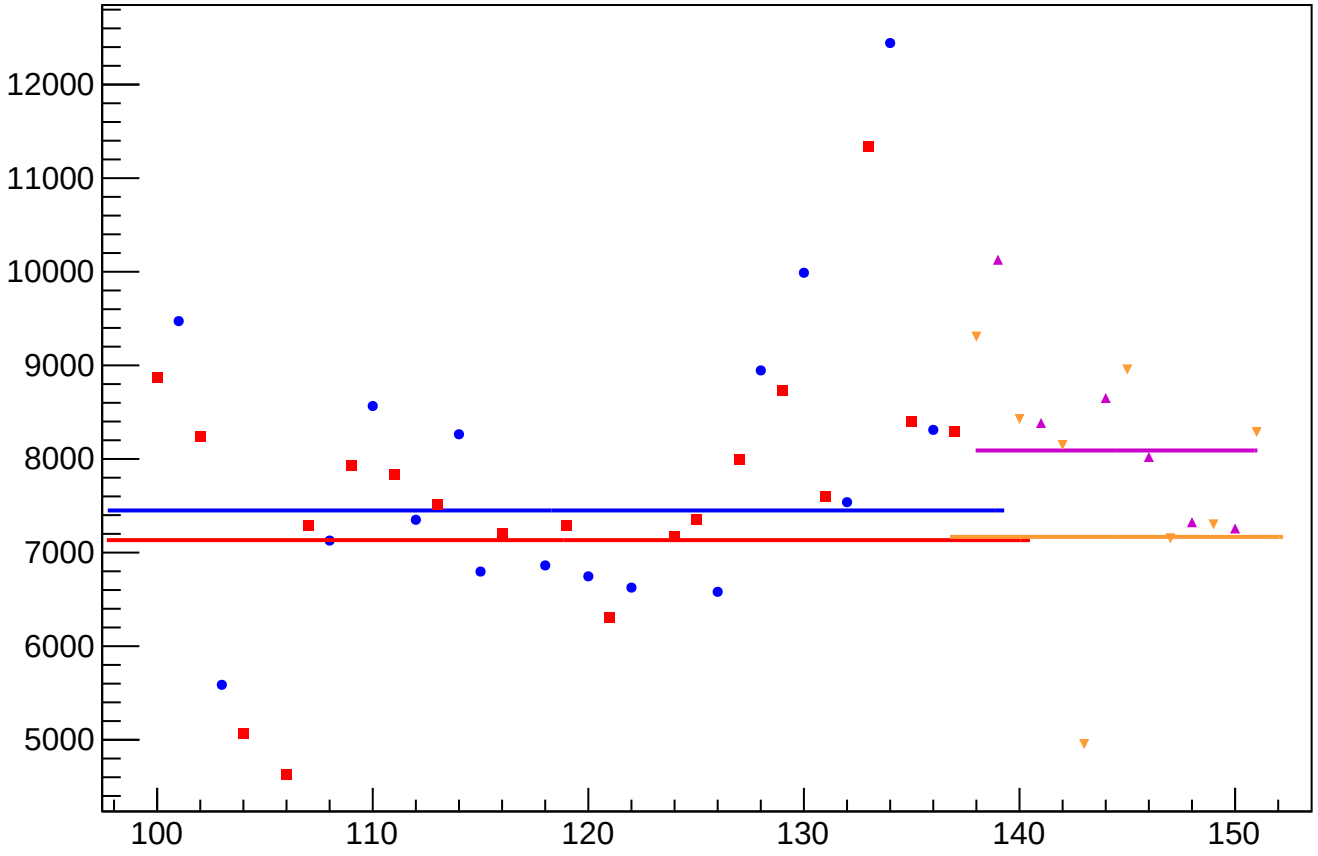
Left In: -1816.235+/-3553.520 χ^2/NDF:2.0/5

+ sign 1260.454+/-2044.814 χ^2/NDF: 24.9/23

All: -407.647+/-1480.898 χ^2/NDF: 43.3/48

- sign -2247.623+/-2147.576 χ^2/NDF: 17.0/24

asym_at2_avg_rms vs Slug



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 7167.746+/-2.092 χ^2/NDF:550926.2/7

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

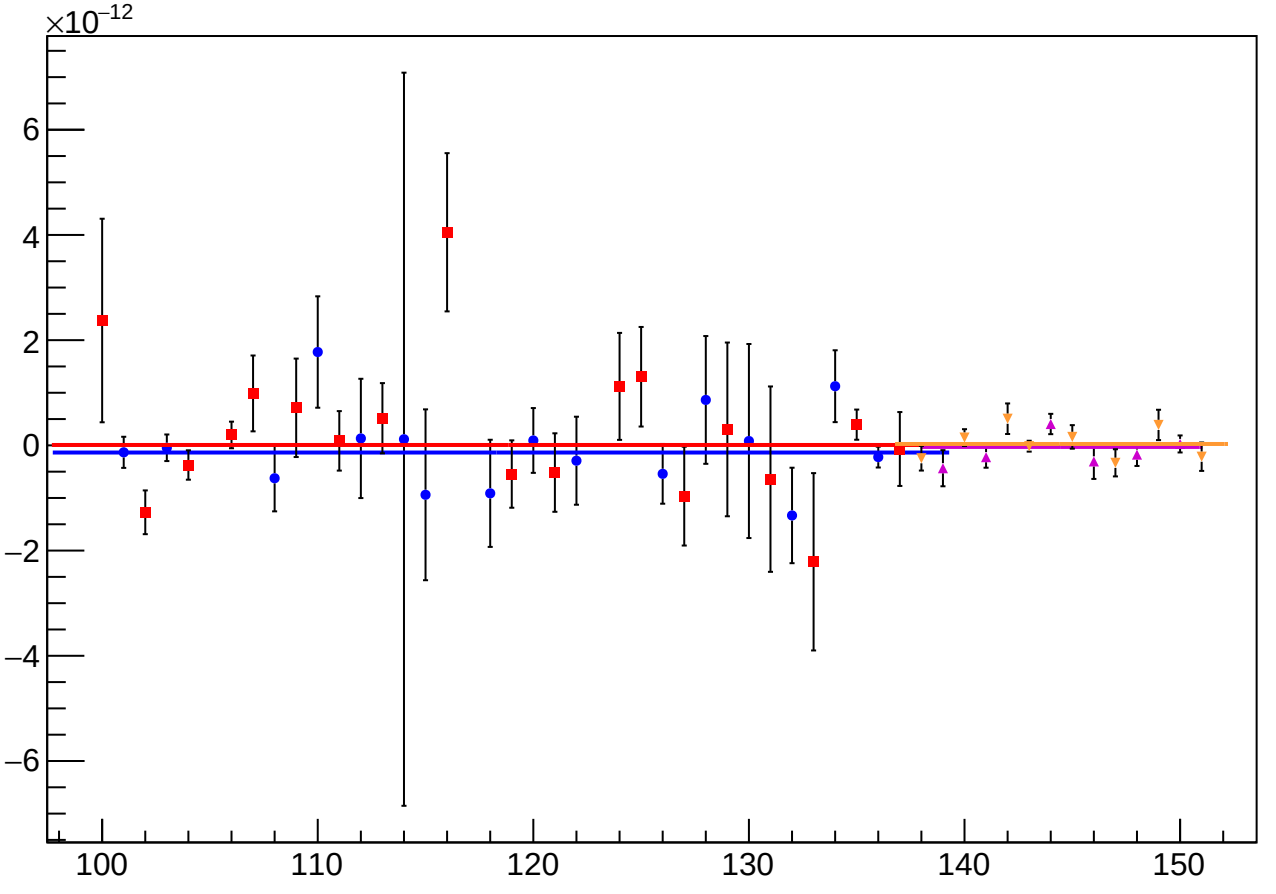
Left In: 8090.727+/-2.513 χ^2/NDF:119980.7/5

+ sign 7315.211+/-1.446 χ^2/NDF: 1046860.5/23

All: 7394.924+/-1.047 χ^2/NDF: 1822424.1/48

- sign 7482.843+/-1.518 χ^2/NDF: 769171.9/24

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:9.5/7

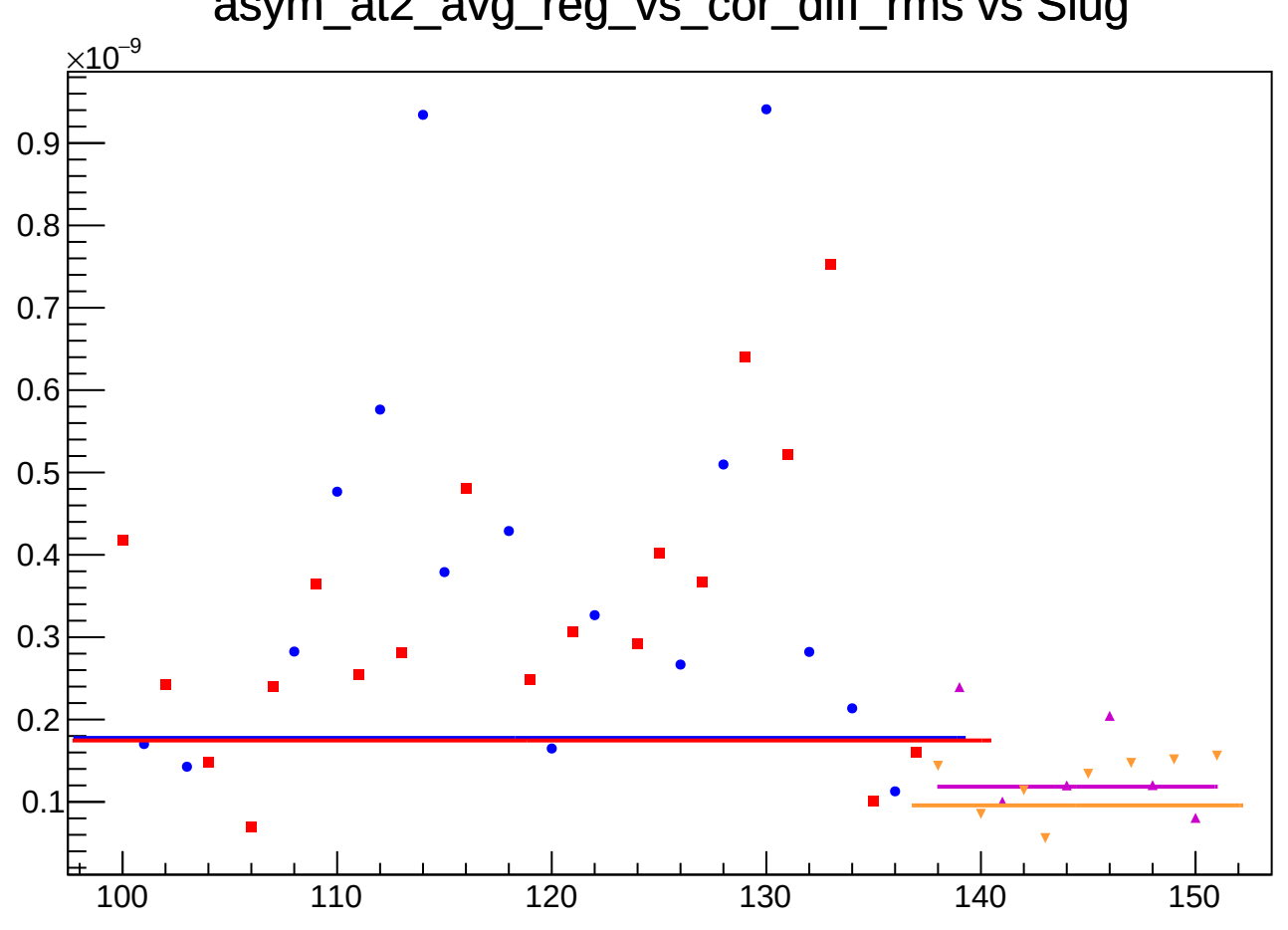
Right Out: 0.000+/-0.000 χ^2/NDF: 32.8/18

Left In: -0.000+/-0.000 χ^2/NDF:8.7/5

+ sign -0.000+/-0.000 χ^2/NDF: 22.5/23

All: -0.000+/-0.000 χ^2/NDF: 64.0/48

- sign -0.000+/-0.000 χ^2/NDF: 41.5/24



Right In: 0.000+/-0.000 χ^2/NDF: 1530066.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:710143.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

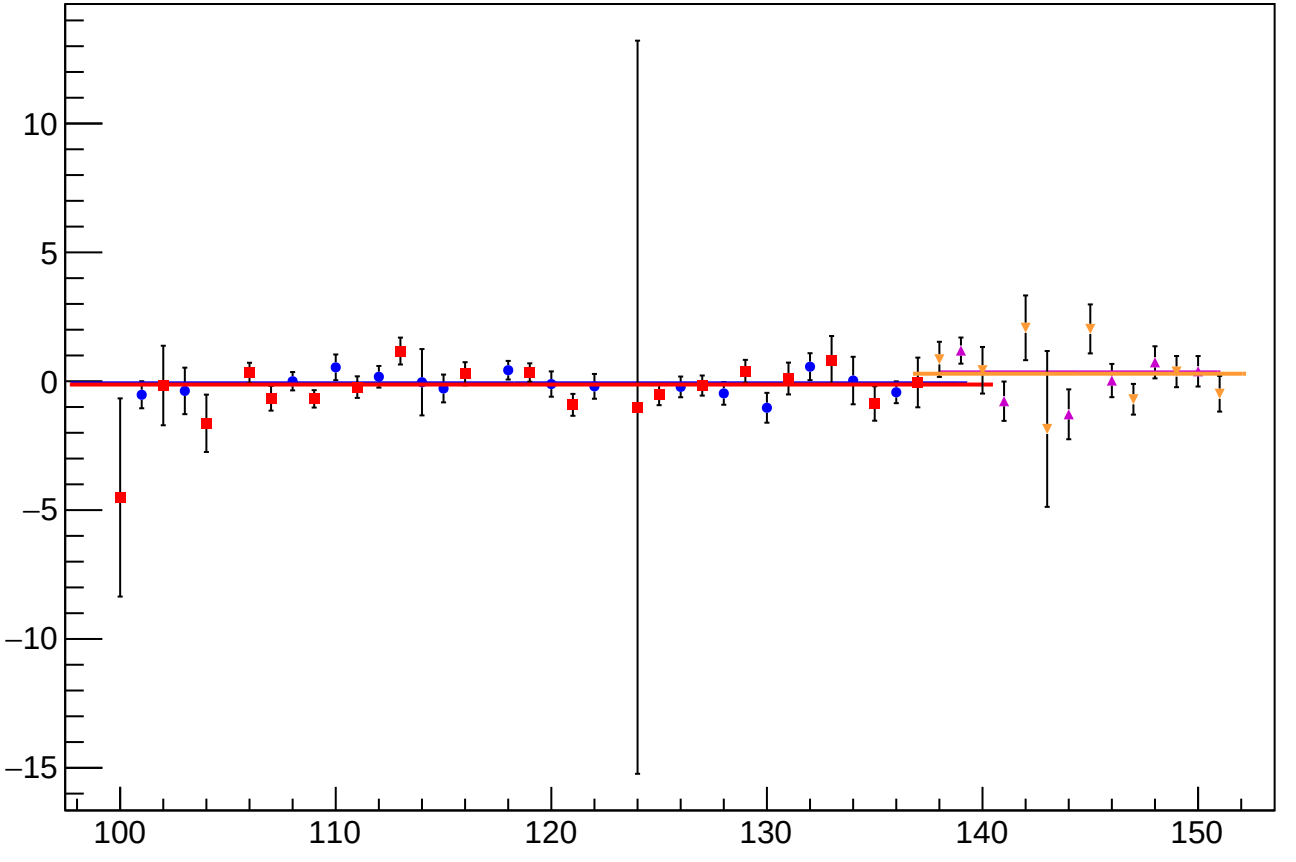
Left In: 0.000+/-0.000 χ^2/NDF:507718.0/5

+ sign 0.000+/-0.000 χ^2/NDF: 2952651.1/23

All: 0.000+/-0.000 χ^2/NDF: 5493538.9/48

- sign 0.000+/-0.000 χ^2/NDF: 2424560.0/24

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.292+/-0.279 χ^2/NDF:10.6/7

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

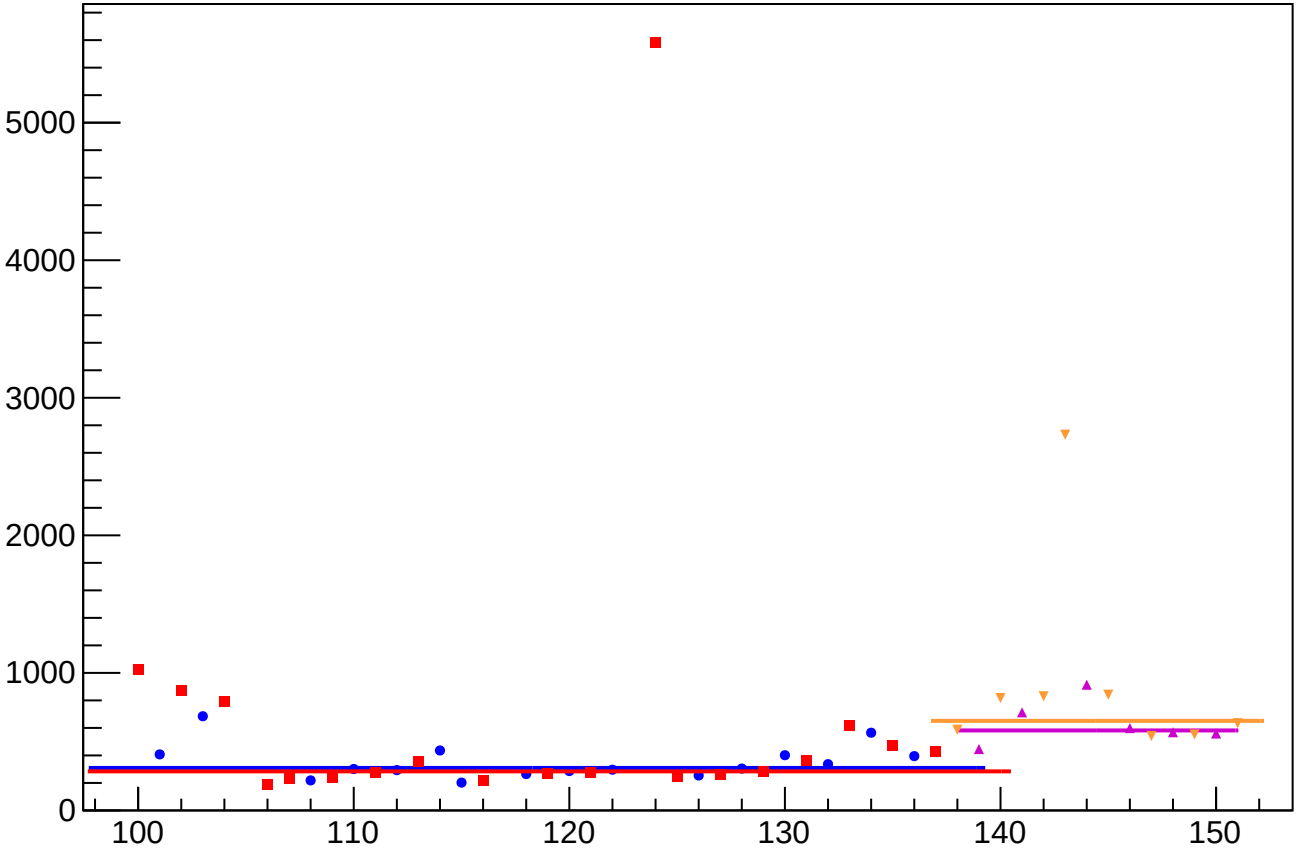
Left In: 0.344+/-0.262 χ^2/NDF:8.4/5

+ sign -0.020+/-0.112 χ^2/NDF: 22.8/23

All: -0.036+/-0.077 χ^2/NDF: 59.2/48

- sign -0.050+/-0.107 χ^2/NDF: 36.4/24

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 651.381+/-0.197 χ^2/NDF:1275544.6/7

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

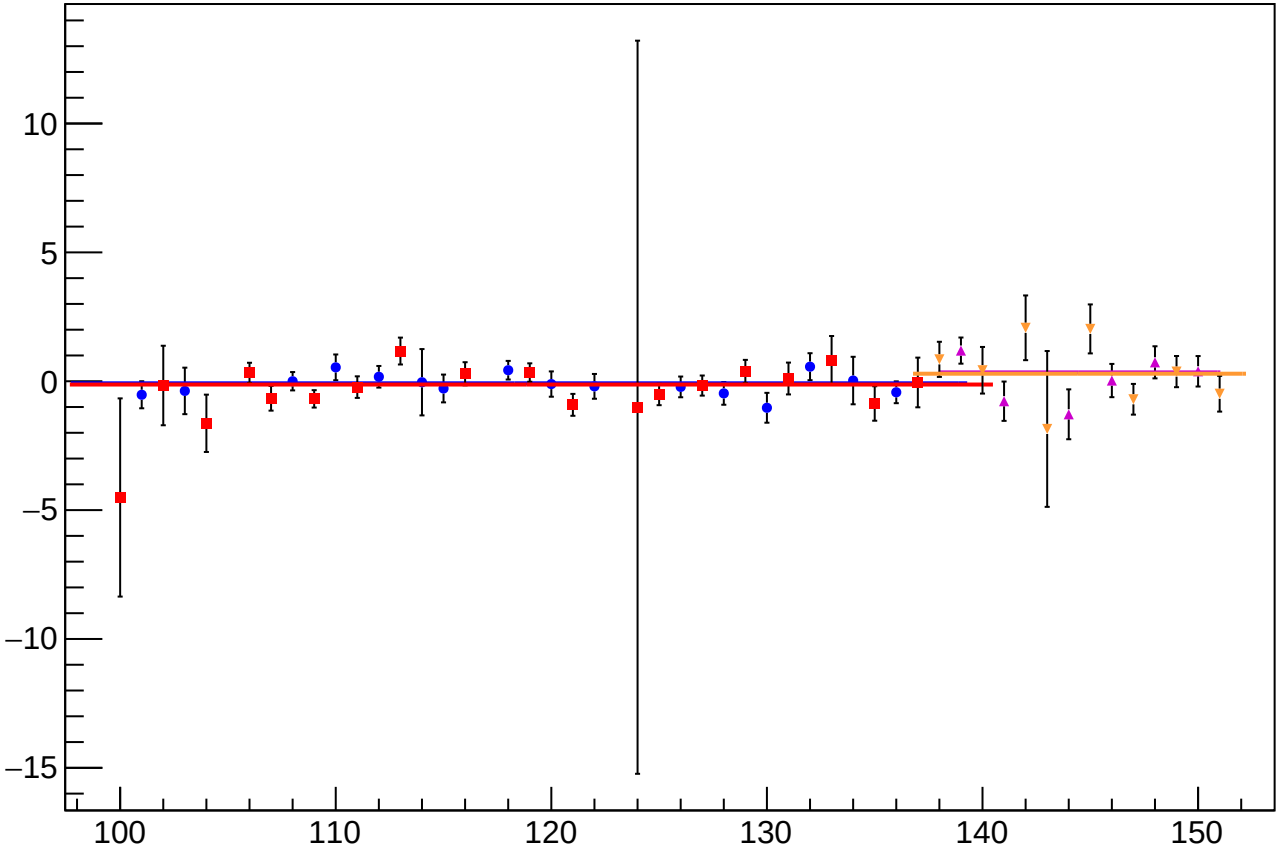
Left In: 581.680+/-0.186 χ^2/NDF:443266.1/5

+ sign 363.955+/-0.079 χ^2/NDF: 4819027.7/23

All: 348.018+/-0.055 χ^2/NDF: 9340770.1/48

- sign 333.442+/-0.076 χ^2/NDF: 4443751.5/24

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: 0.292+/-0.279 χ^2/NDF:10.6/7

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

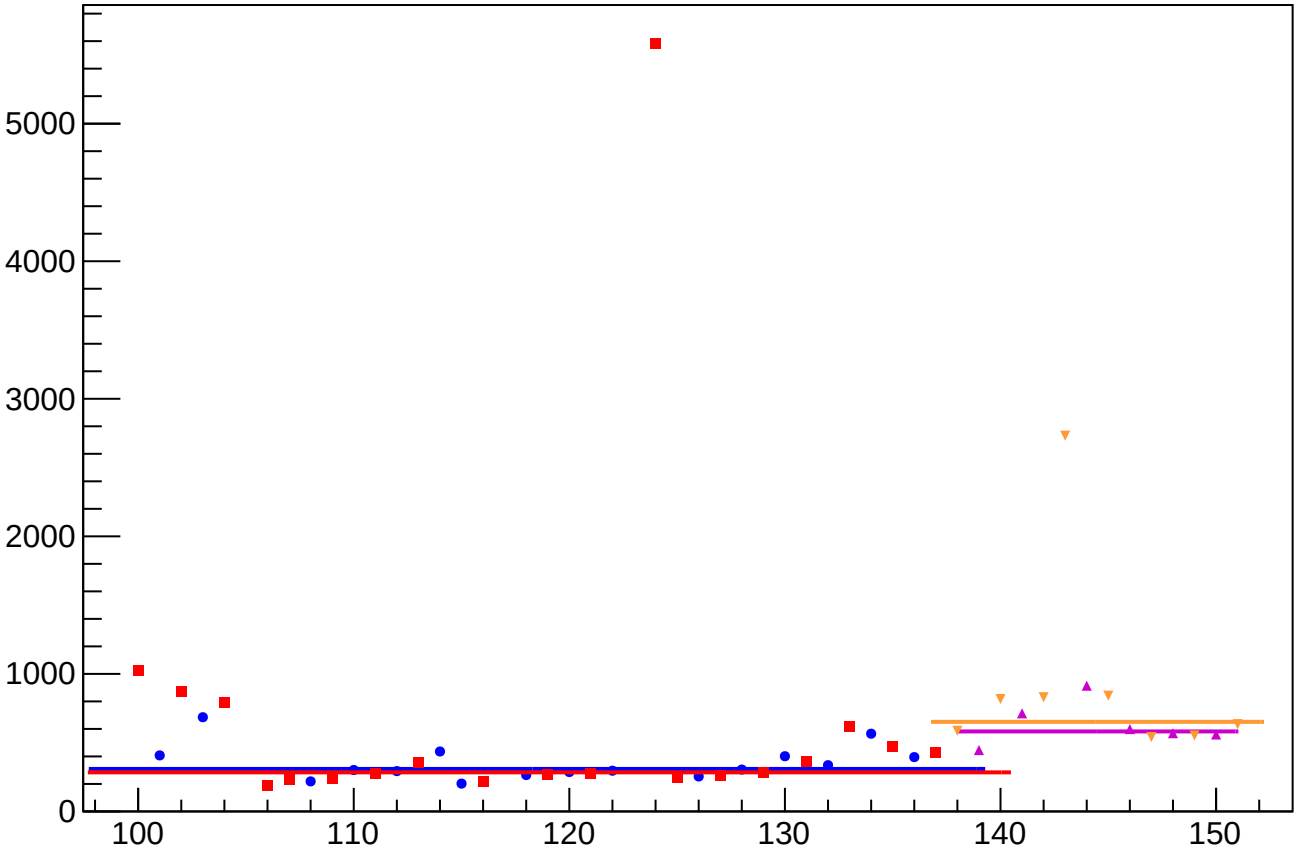
Left In: 0.344+/-0.262 χ^2/NDF:8.4/5

+ sign -0.020+/-0.112 χ^2/NDF: 22.8/23

All: -0.036+/-0.077 χ^2/NDF: 59.2/48

- sign -0.050+/-0.107 χ^2/NDF: 36.4/24

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: 651.381+/-0.197 χ^2/NDF:1275544.6/7

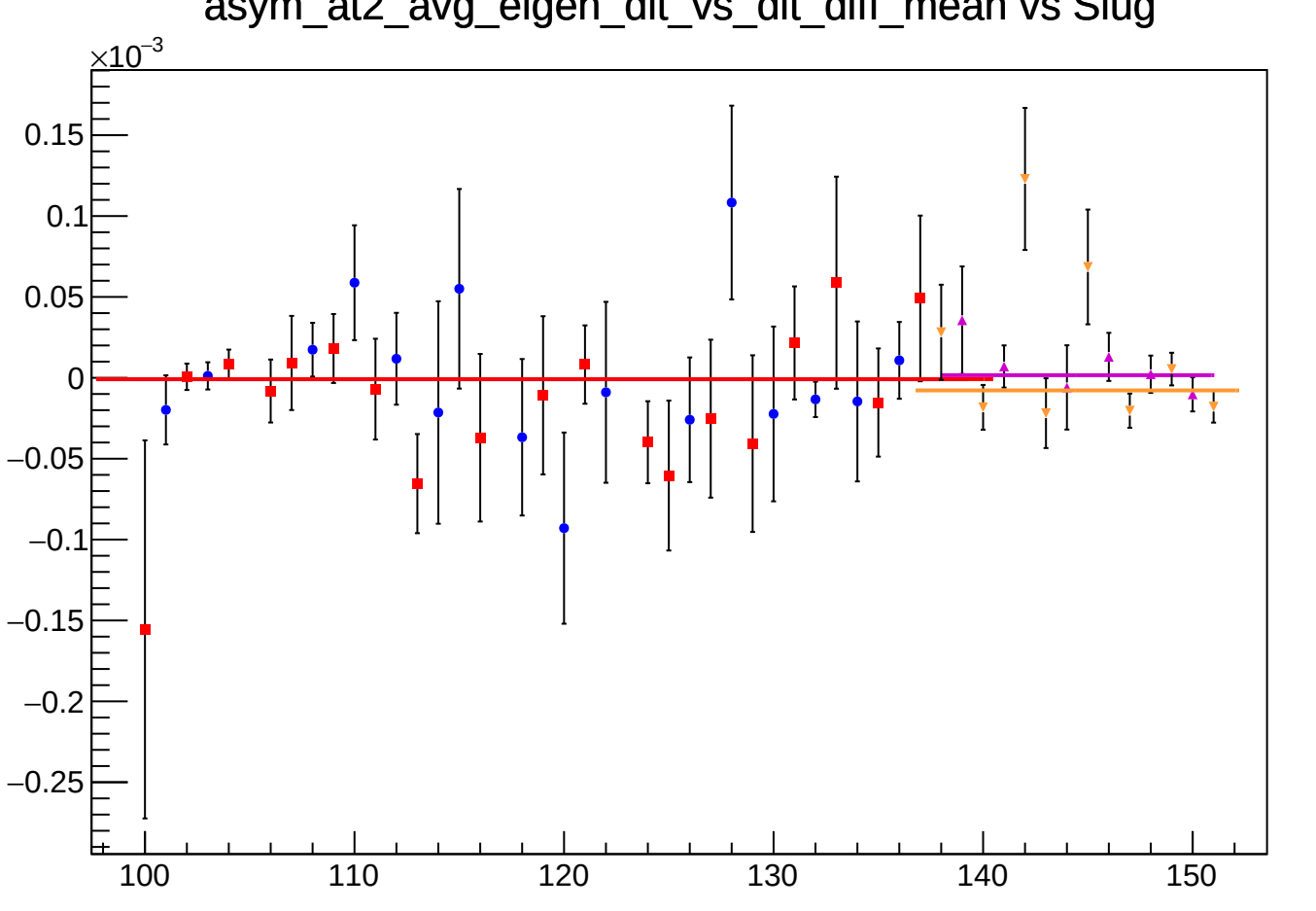
Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 581.680+/-0.186 χ^2/NDF:443266.1/5

+ sign 363.955+/-0.079 χ^2/NDF: 4819027.7/23

All: 348.018+/-0.055 χ^2/NDF: 9340770.1/48

- sign 333.442+/-0.076 χ^2/NDF: 4443751.5/24



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.1/7

Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

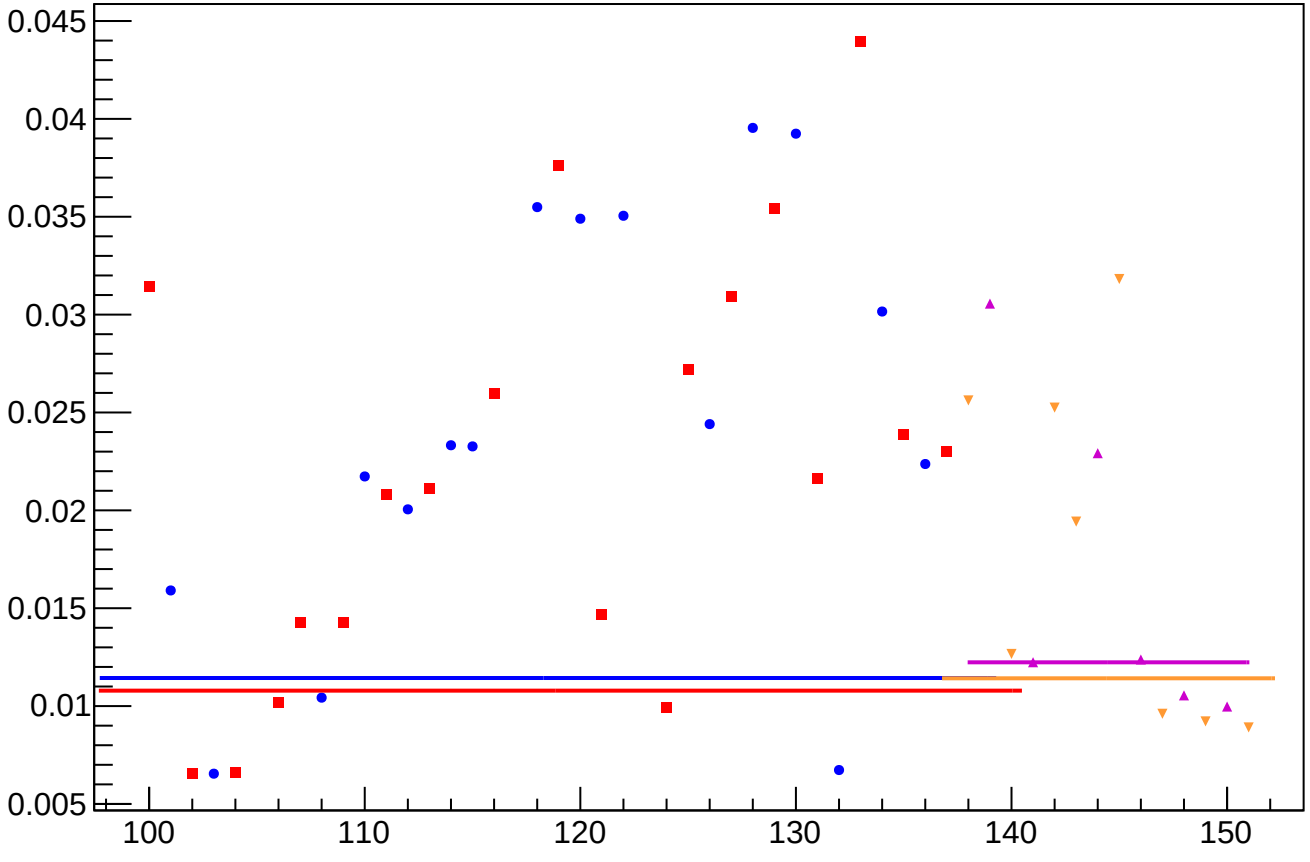
Left In: 0.000+/-0.000 χ^2/NDF:3.1/5

\+ sign -0.000+/-0.000 χ^2/NDF: 35.5/23

All: -0.000+/-0.000 χ^2/NDF: 55.7/48

\- sign 0.000+/-0.000 χ^2/NDF: 19.4/24

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: 0.011+/-0.000 χ^2/NDF:1900532.6/7

Right Out: 0.011+/-0.000 χ^2/NDF: 4473688.9/18

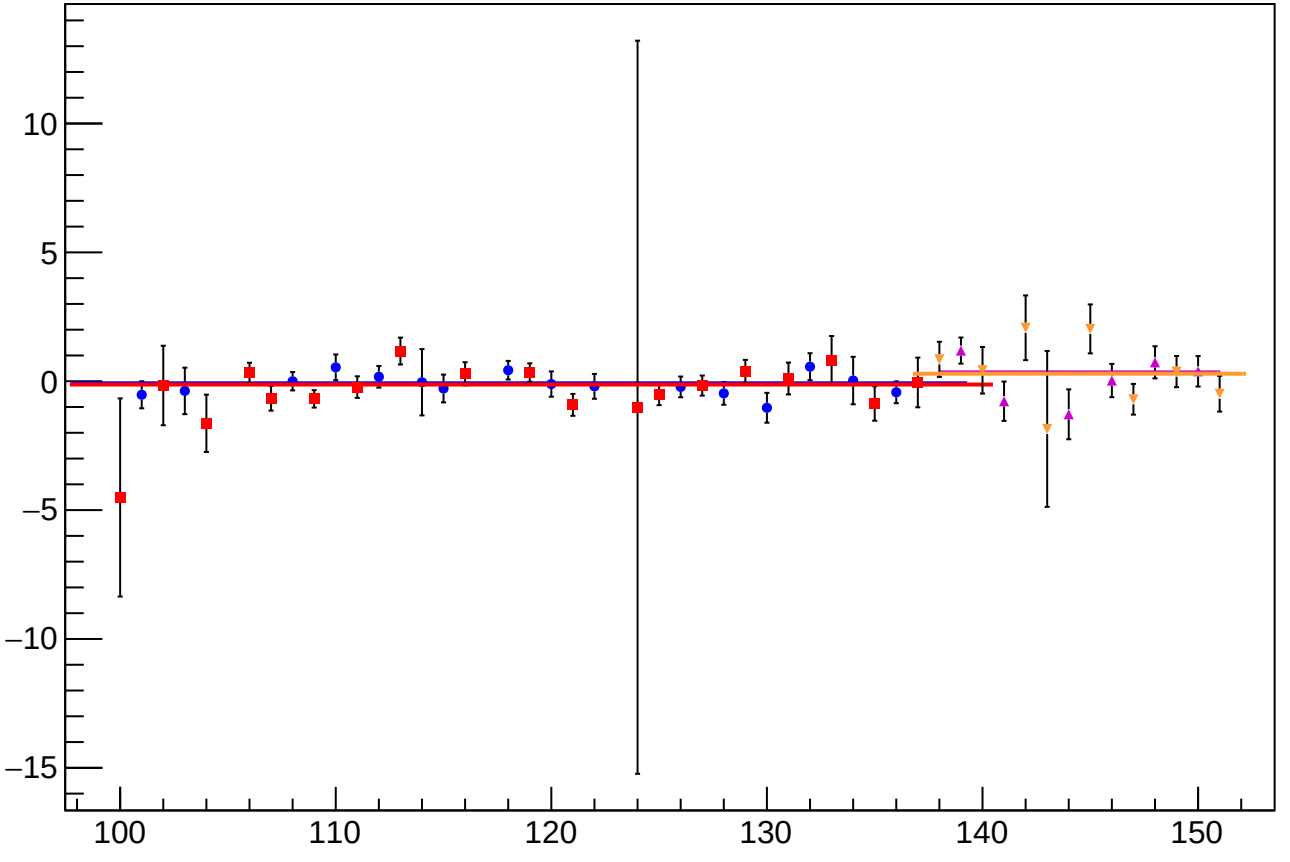
Left In: 0.012+/-0.000 χ^2/NDF:1078514.8/5

+ sign 0.011+/-0.000 χ^2/NDF: 6600479.5/23

All: 0.011+/-0.000 χ^2/NDF: 12225539.6/48

- sign 0.011+/-0.000 χ^2/NDF: 5624889.1/24

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: 0.292+/-0.279 χ^2/NDF:10.6/7

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

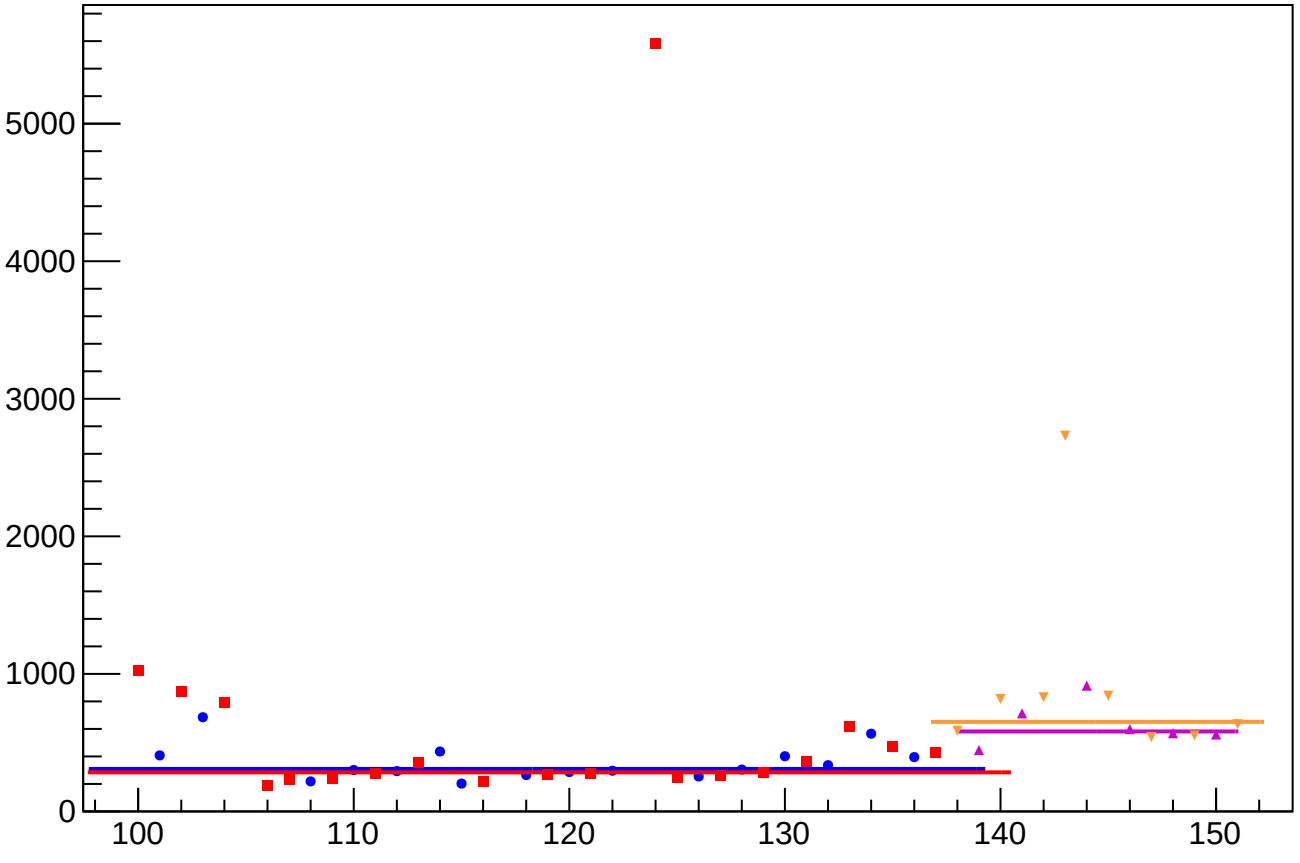
Left In: 0.344+/-0.262 χ^2/NDF:8.4/5

+ sign -0.020+/-0.112 χ^2/NDF: 22.9/23

All: -0.036+/-0.077 χ^2/NDF: 59.2/48

- sign -0.050+/-0.107 χ^2/NDF: 36.4/24

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: 651.388+/-0.197 χ^2/NDF:1275544.0/7

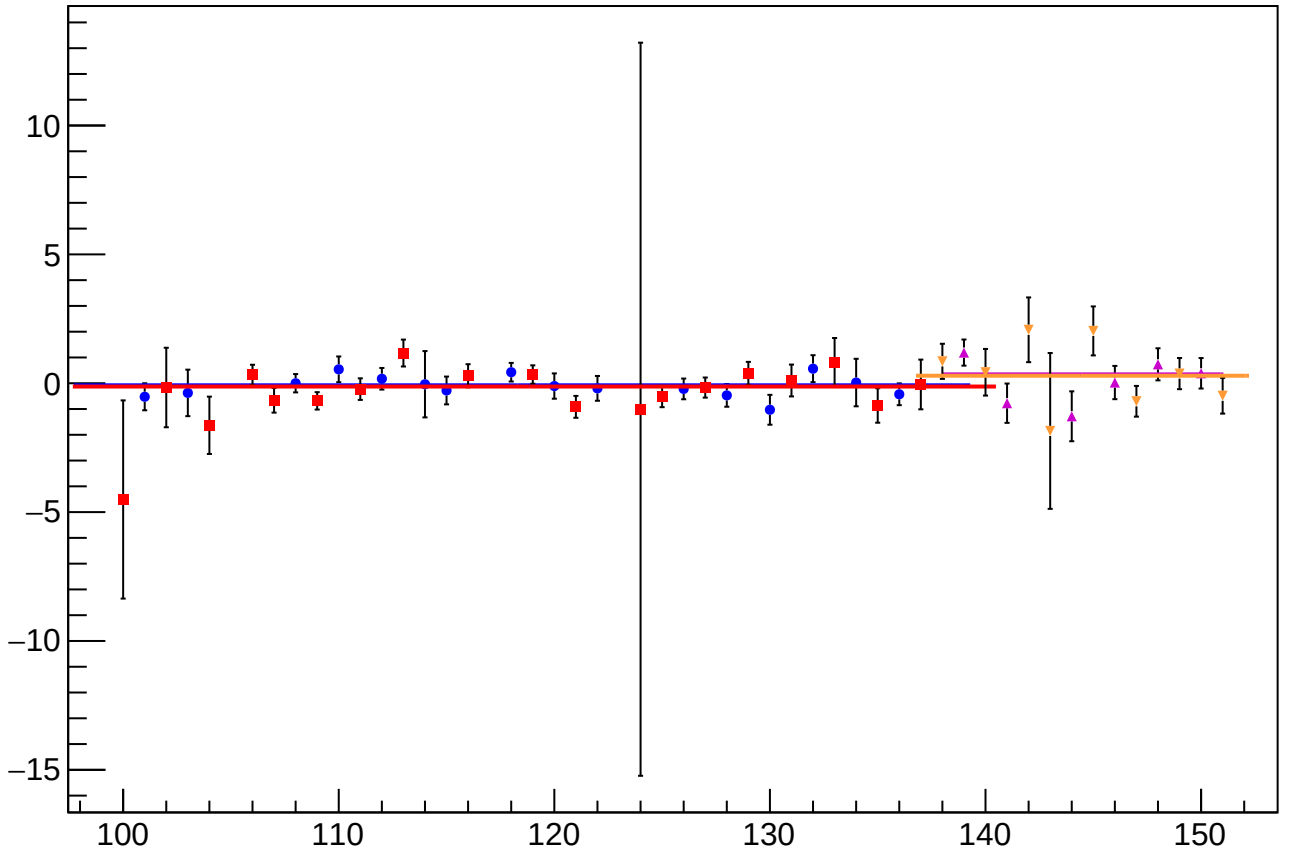
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 581.689+/-0.186 χ^2/NDF:443250.5/5

+ sign 363.955+/-0.079 χ^2/NDF: 4819064.0/23

All: 348.017+/-0.055 χ^2/NDF: 9340855.8/48

- sign 333.442+/-0.076 χ^2/NDF: 4443802.1/24



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.292+/-0.279 χ^2/NDF:10.6/7

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

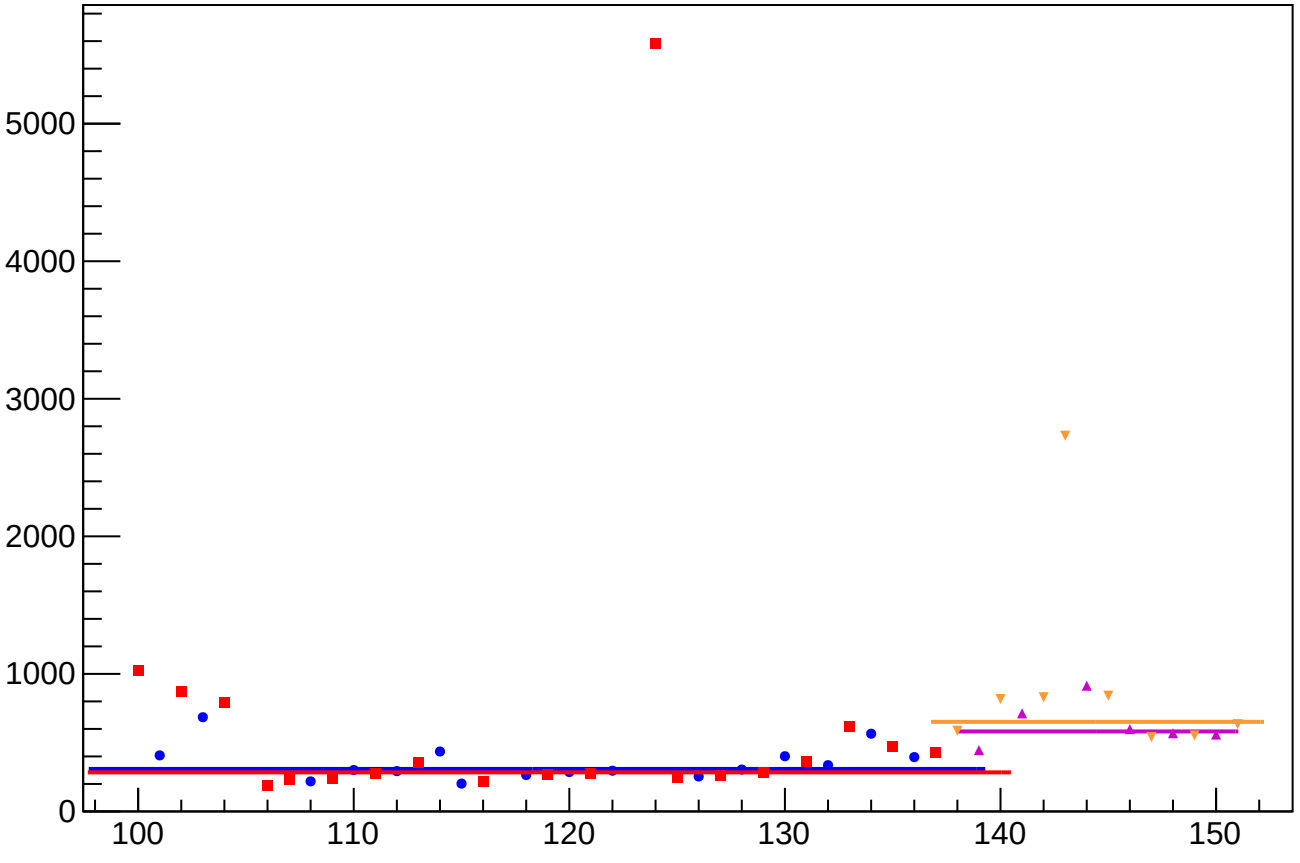
Left In: 0.344+/-0.262 χ^2/NDF:8.4/5

+ sign -0.020+/-0.112 χ^2/NDF: 22.9/23

All: -0.036+/-0.077 χ^2/NDF: 59.2/48

- sign -0.050+/-0.107 χ^2/NDF: 36.4/24

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 651.388+/-0.197 χ^2/NDF:1275544.0/7

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

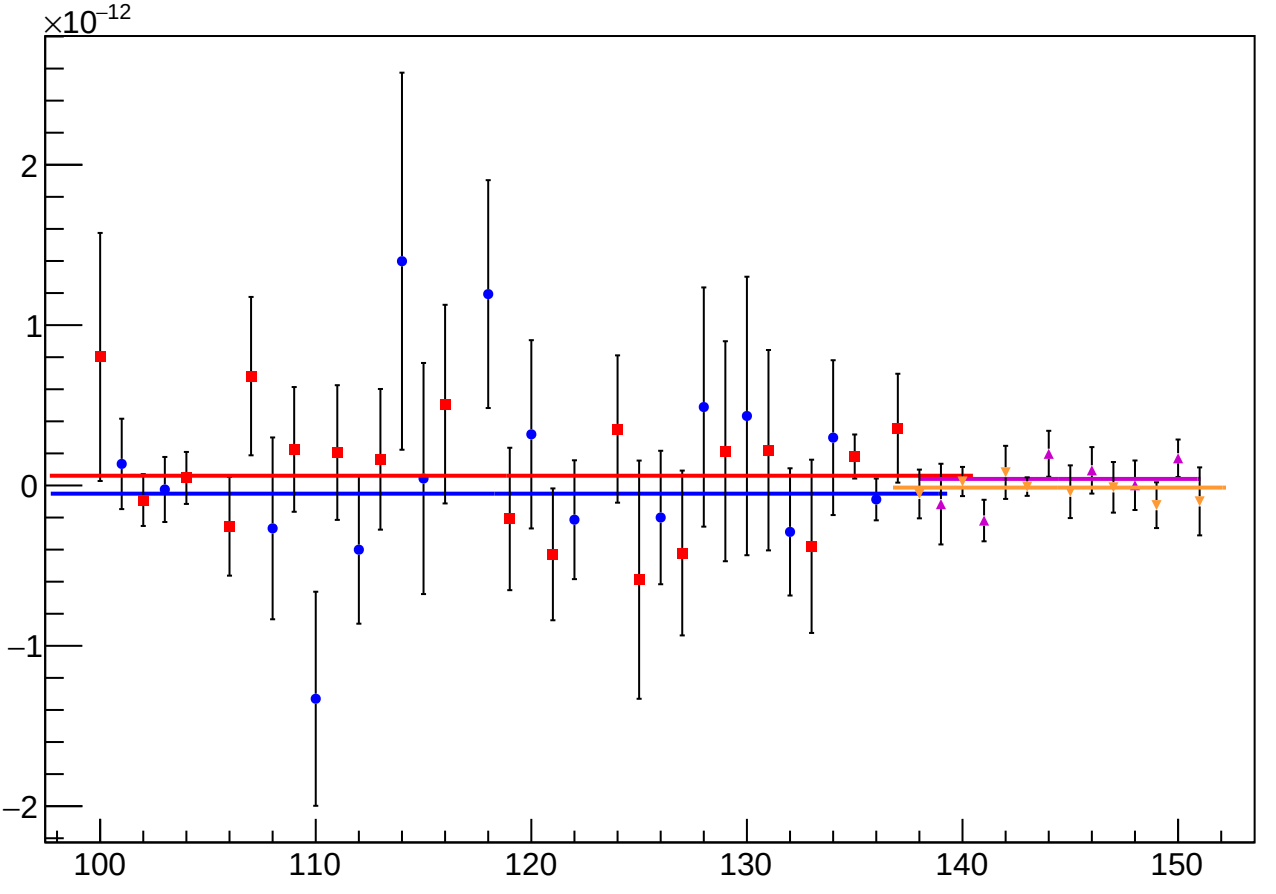
Left In: 581.689+/-0.186 χ^2/NDF:443250.5/5

+ sign 363.955+/-0.079 χ^2/NDF: 4819064.0/23

All: 348.017+/-0.055 χ^2/NDF: 9340855.8/48

- sign 333.442+/-0.076 χ^2/NDF: 4443802.1/24

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.4/7

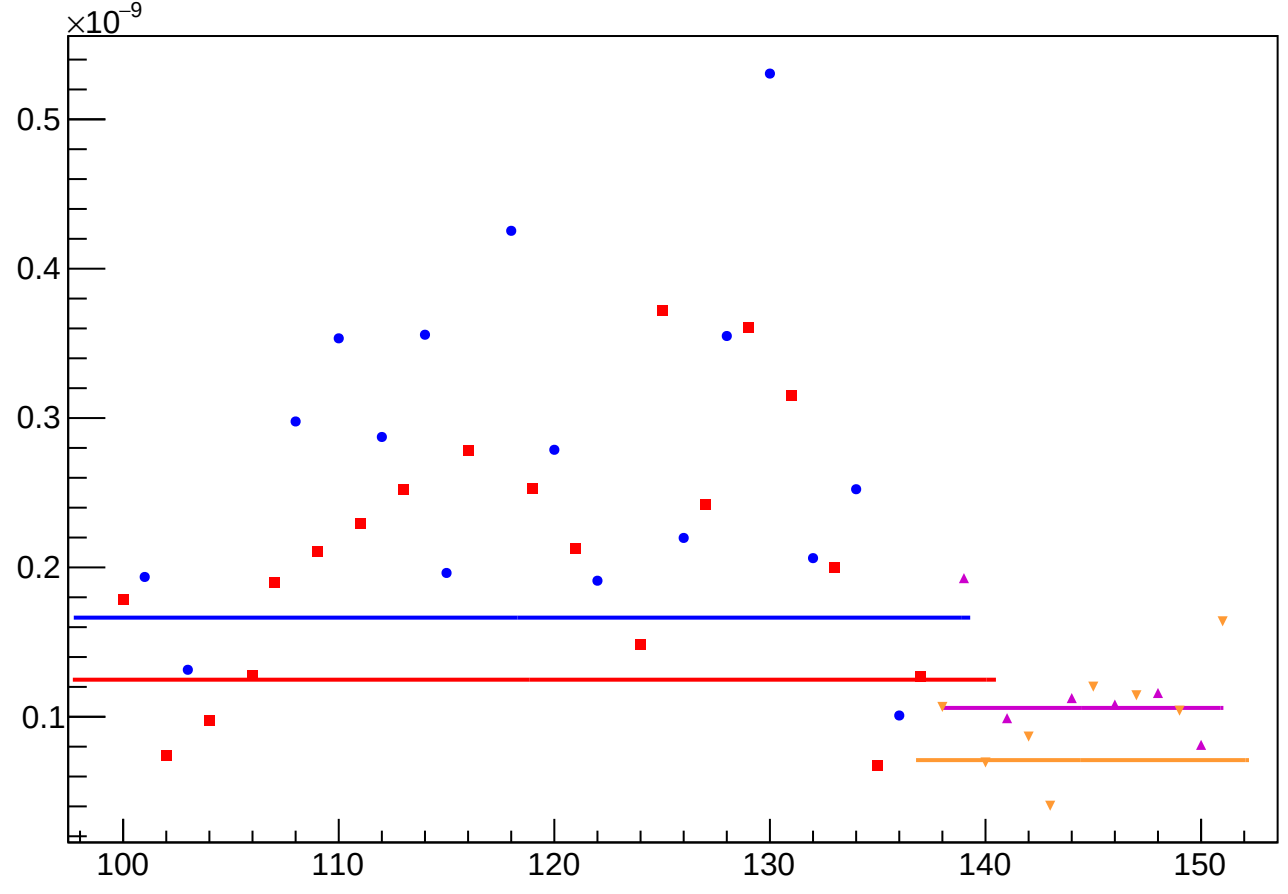
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:7.0/5

+ sign -0.000+/-0.000 χ^2/NDF: 13.5/23

All: 0.000+/-0.000 χ^2/NDF: 33.5/48

- sign 0.000+/-0.000 χ^2/NDF: 18.5/24



Right In: 0.000+/-0.000 χ^2/NDF: 1984237.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1511495.8/7

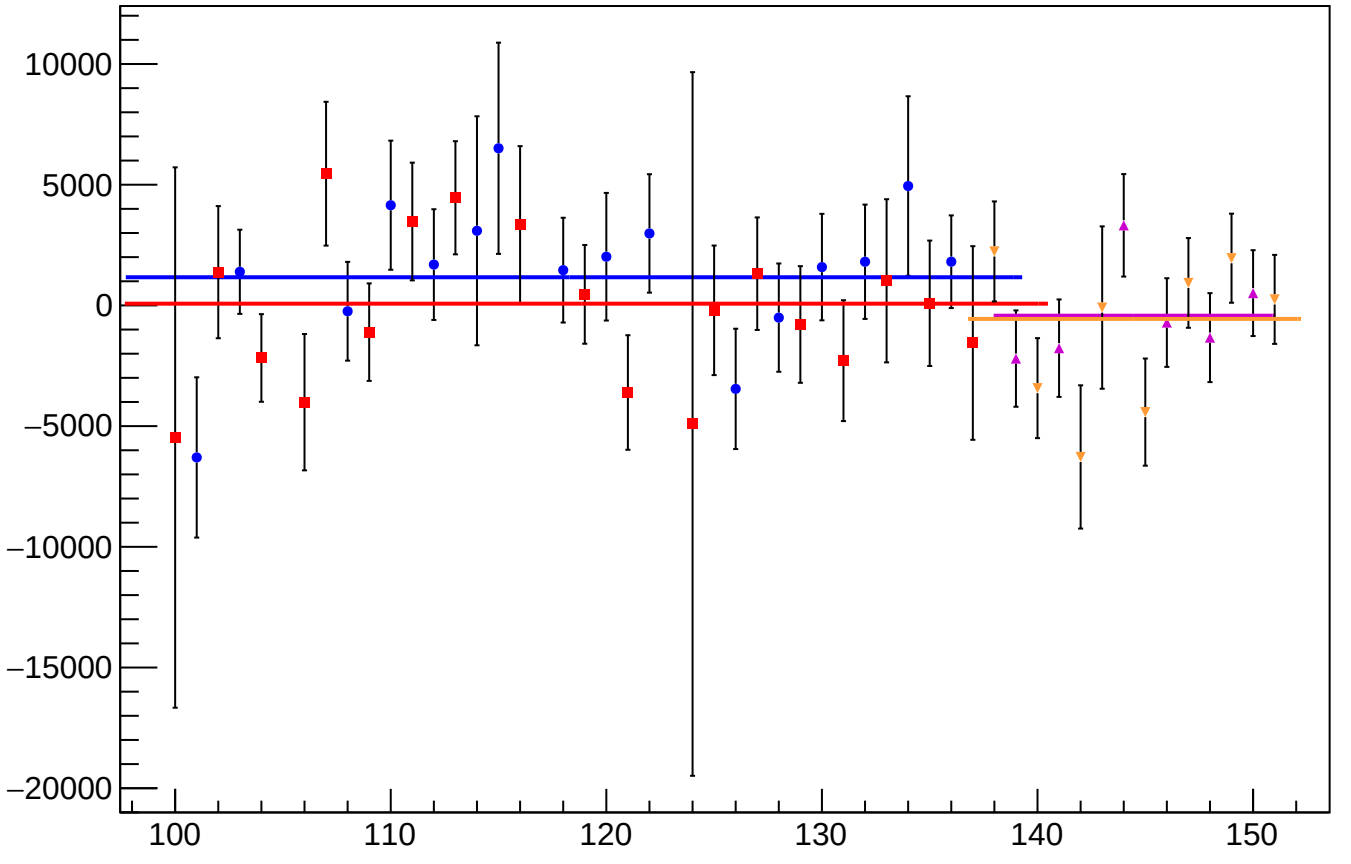
Right Out: 0.000+/-0.000 χ^2/NDF: 2209554.2/18

Left In: 0.000+/-0.000 χ^2/NDF:346886.8/5

+ sign 0.000+/-0.000 χ^2/NDF: 5593817.7/23

All: 0.000+/-0.000 χ^2/NDF: 8640580.7/48

- sign 0.000+/-0.000 χ^2/NDF: 2641613.0/24



Right In: 1166.862+/-609.171 χ^2/NDF: 14.4/15

Left Out: -558.837+/-756.130 χ^2/NDF:13.2/7

Right Out: 72.181+/-603.362 χ^2/NDF: 18.3/18

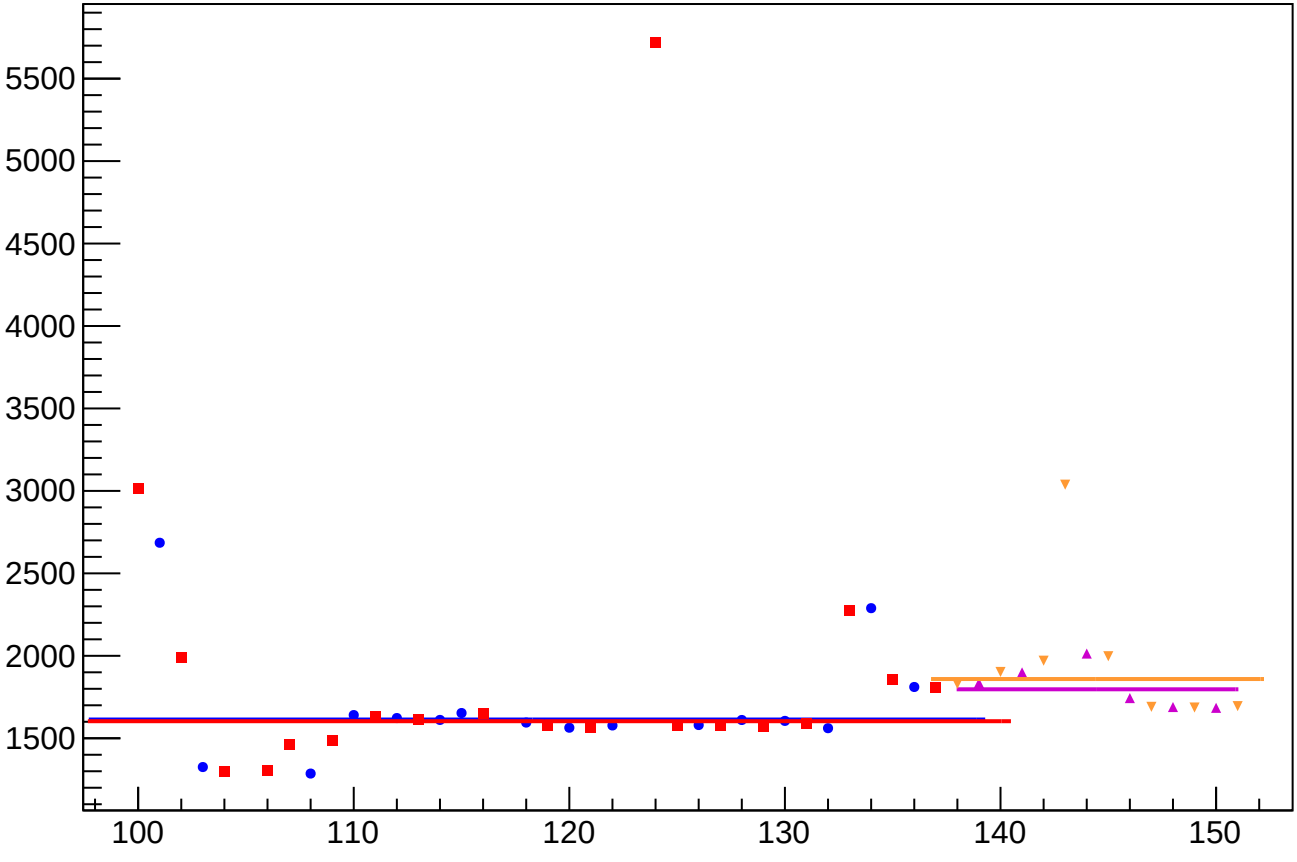
Left In: -426.393+/-784.288 χ^2/NDF:4.9/5

+ sign 487.637+/-474.374 χ^2/NDF: 30.8/23

All: 189.651+/-336.785 χ^2/NDF: 55.0/48

- sign -113.187+/-478.220 χ^2/NDF: 23.4/24

reg_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 1859.217+/-0.535 χ^2/NDF:307479.4/7

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

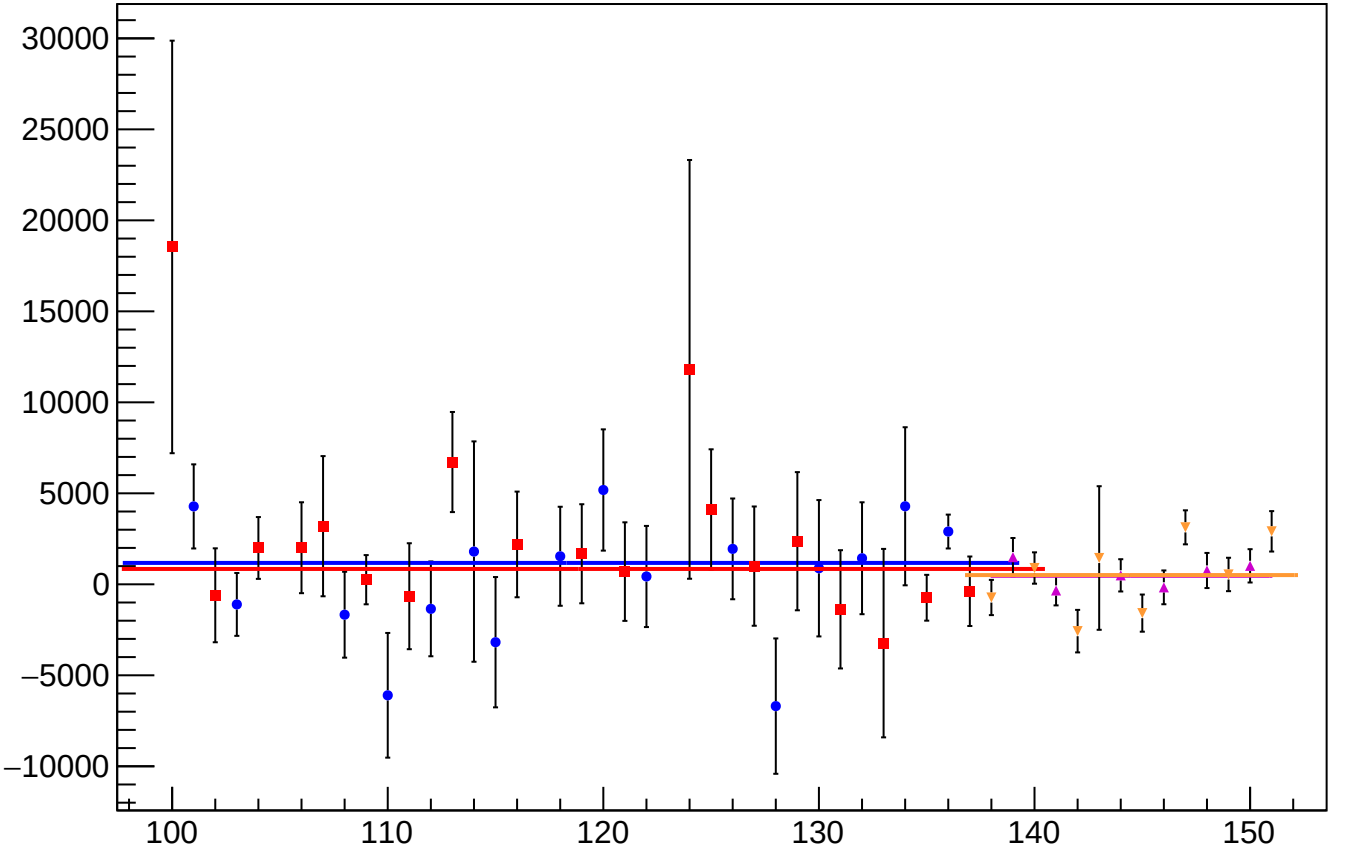
Left In: 1796.969+/-0.555 χ^2/NDF:43241.4/5

+ sign 1710.318+/-0.335 χ^2/NDF: 840063.8/23

All: 1693.004+/-0.238 χ^2/NDF: 1390953.2/48

- sign 1675.408+/-0.338 χ^2/NDF: 545517.5/24

asym_at2_dd_reg_correction_mean vs Slug



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: 506.799+/-369.752 χ^2/NDF:25.6/7

Right Out: 843.857+/-557.438 χ^2/NDF: 14.3/18

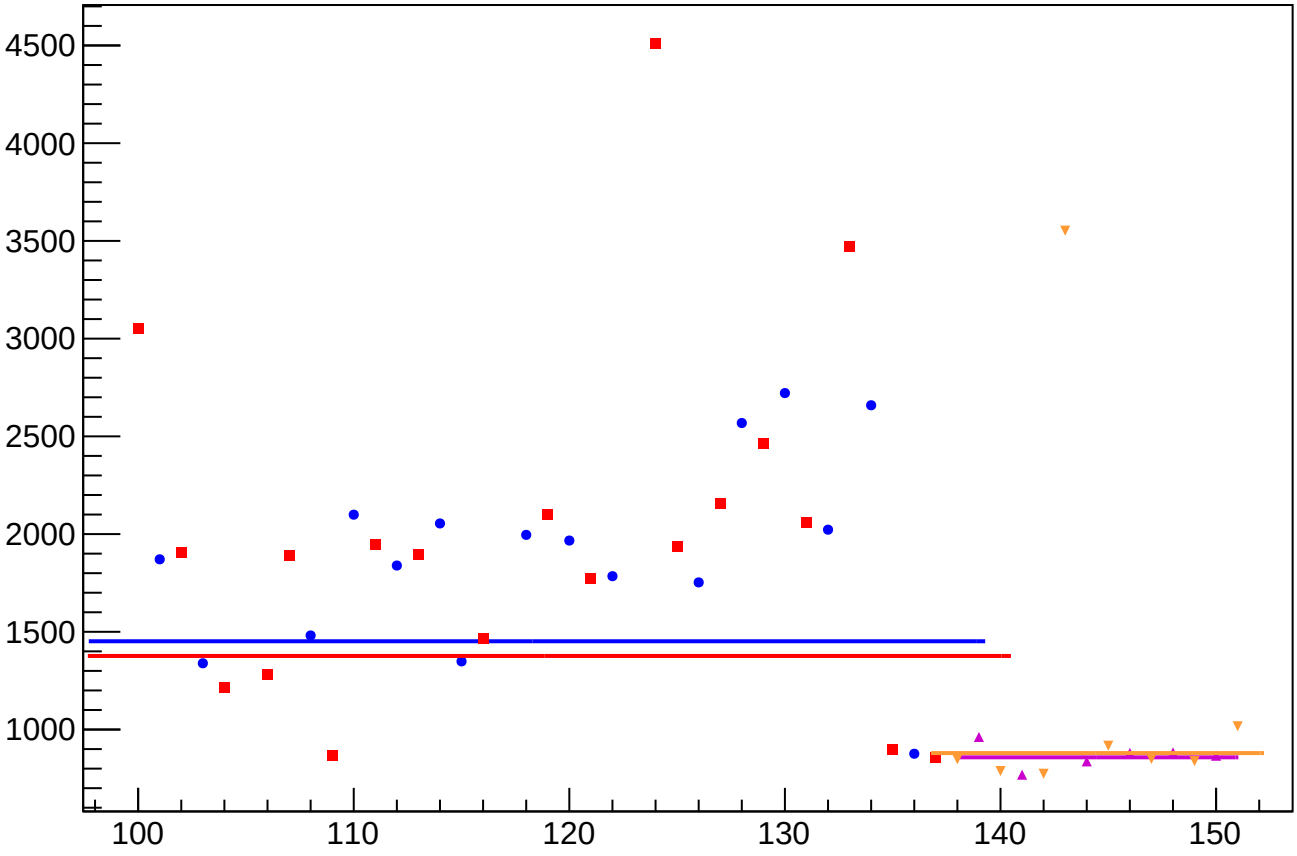
Left In: 467.285+/-375.517 χ^2/NDF:2.8/5

+ sign 700.472+/-311.639 χ^2/NDF: 48.5/23

All: 642.615+/-220.292 χ^2/NDF: 66.0/48

- sign 584.831+/-311.442 χ^2/NDF: 17.4/24

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 879.576+/-0.261 χ^2/NDF:998596.7/7

Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

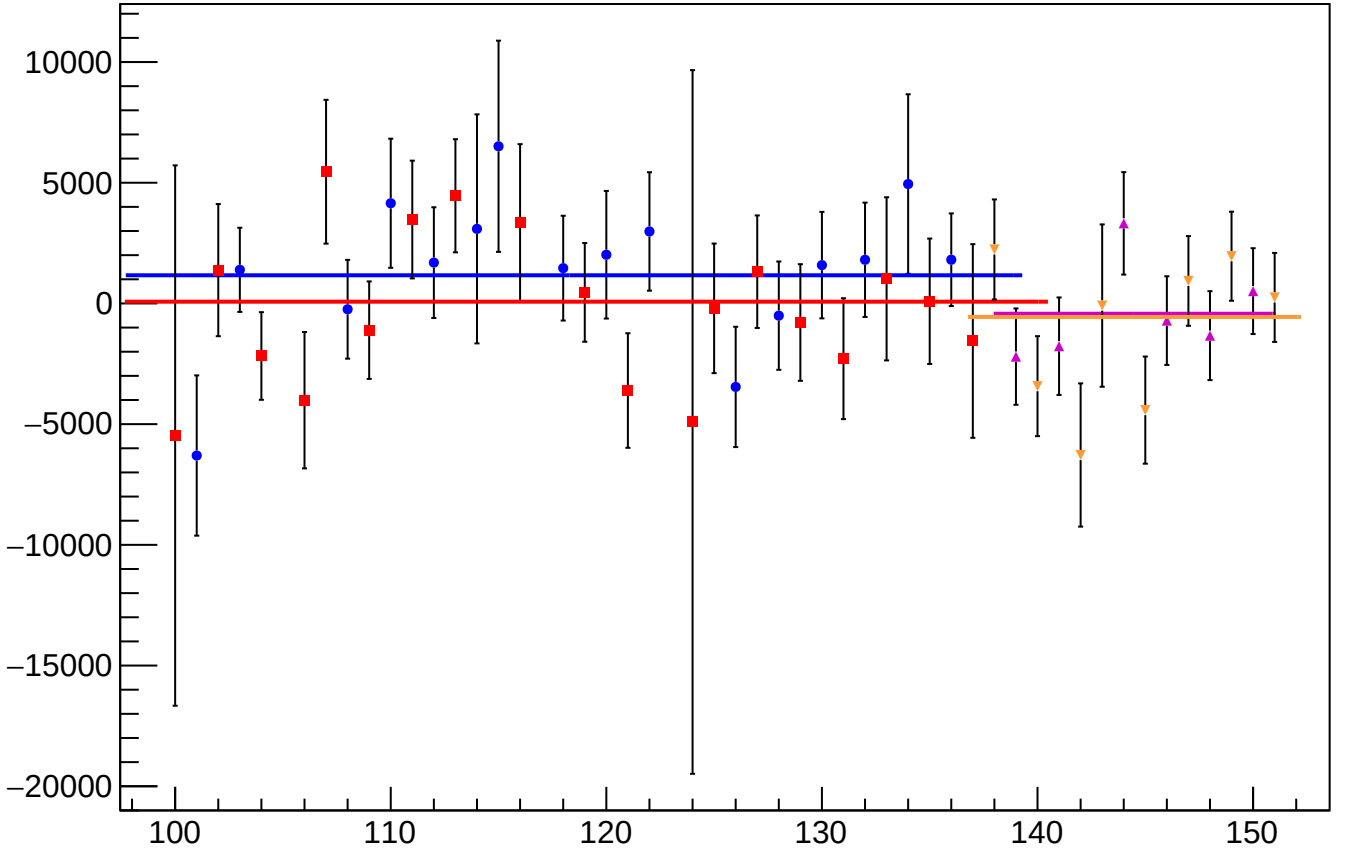
Left In: 857.846+/-0.266 χ^2/NDF:47031.8/5

+ sign 1045.264+/-0.220 χ^2/NDF: 4175987.4/23

All: 1032.490+/-0.156 χ^2/NDF: 7552580.5/48

- sign 1019.733+/-0.220 χ^2/NDF: 3369877.3/24

cor_asym_at2_dd_mean vs Slug



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: -558.940+/-756.130 χ^2/NDF:13.2/7

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

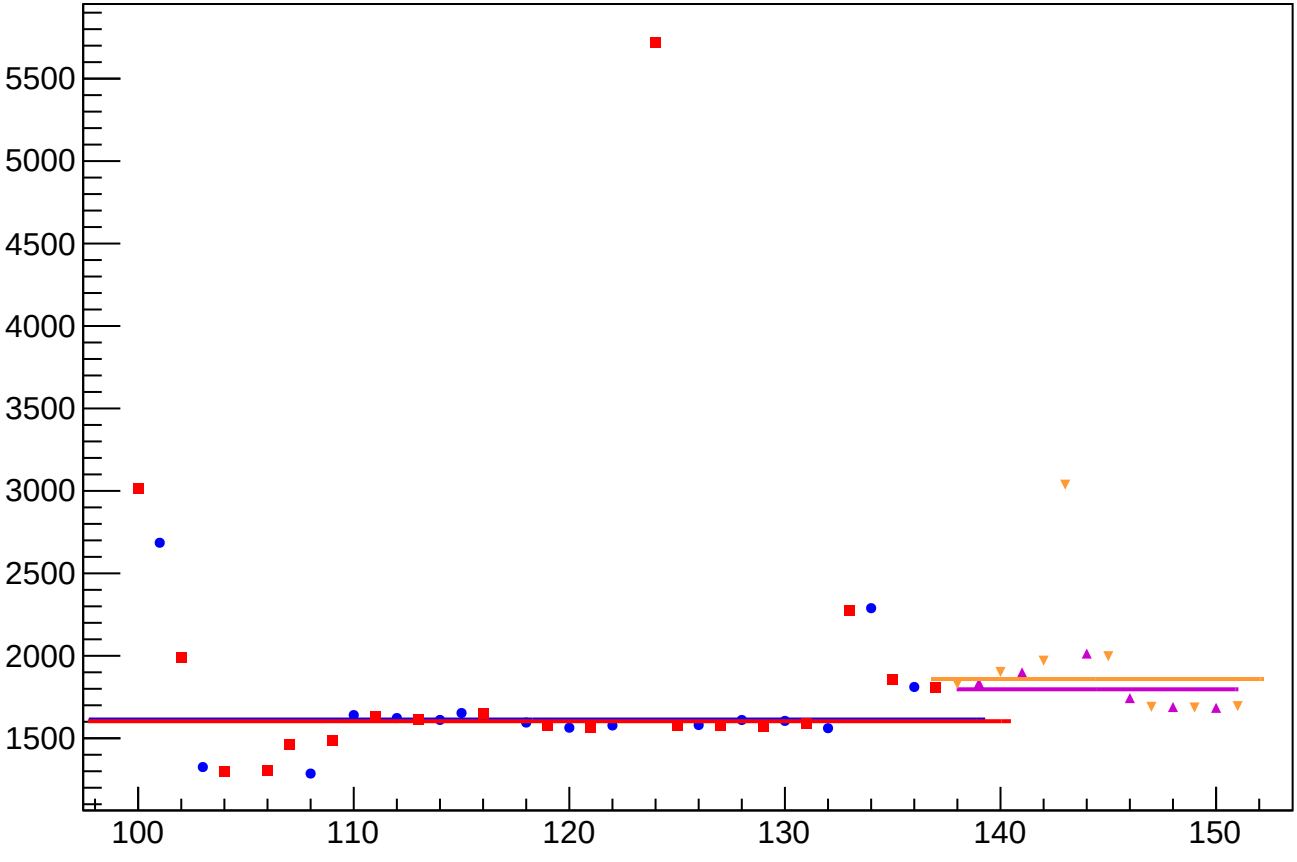
Left In: -426.443+/-784.288 χ^2/NDF:4.9/5

+ sign 487.540+/-474.374 χ^2/NDF: 30.8/23

All: 189.692+/-336.785 χ^2/NDF: 55.0/48

- sign -113.005+/-478.220 χ^2/NDF: 23.4/24

cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1859.217+/-0.535 χ^2/NDF:307479.4/7

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

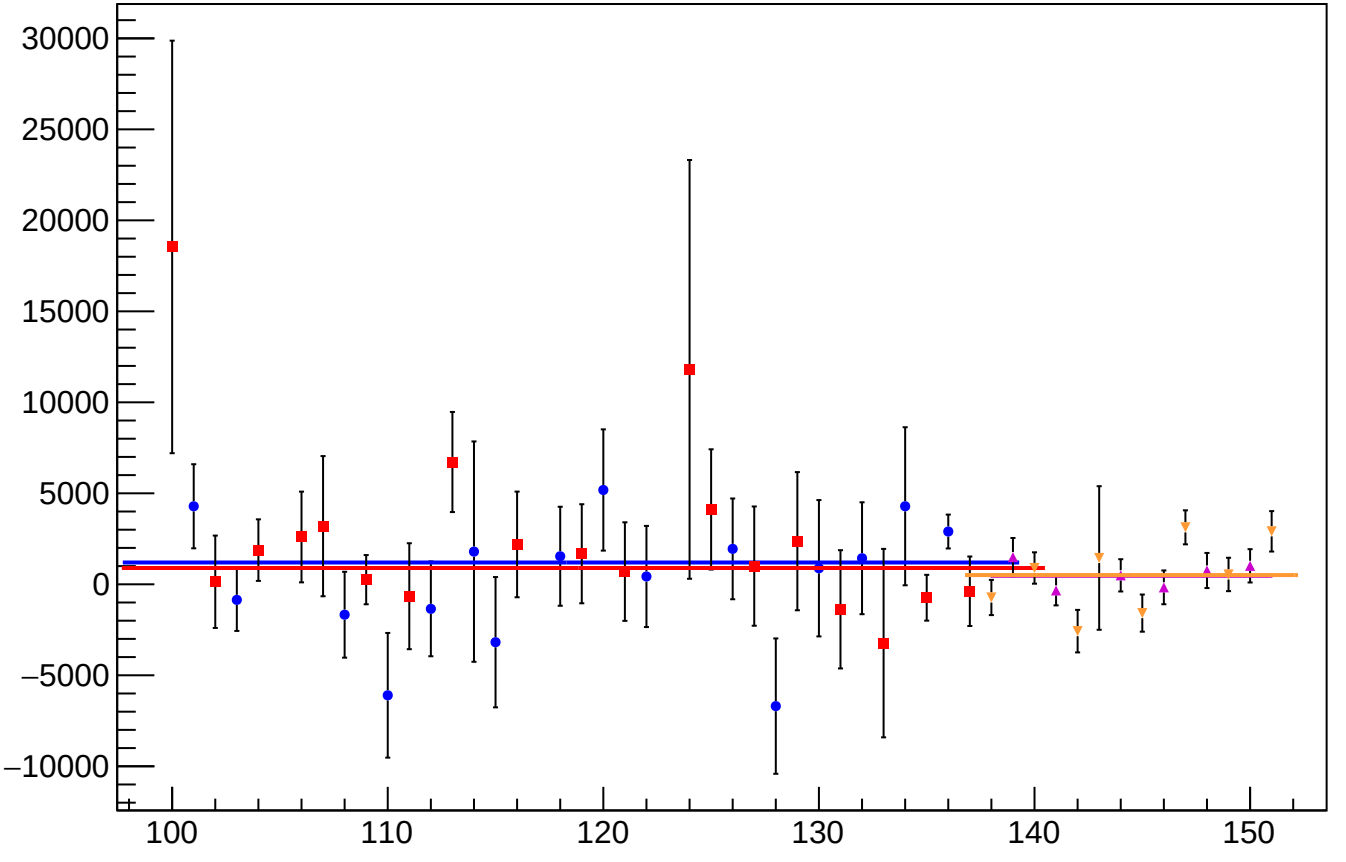
Left In: 1796.969+/-0.555 χ^2/NDF:43241.3/5

+ sign 1710.318+/-0.335 χ^2/NDF: 840064.2/23

All: 1693.004+/-0.238 χ^2/NDF: 1390953.7/48

- sign 1675.408+/-0.338 χ^2/NDF: 545517.6/24

asym_at2_dd_cor_correction_mean vs Slug



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 506.840+/-369.759 χ^2/NDF:25.6/7

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

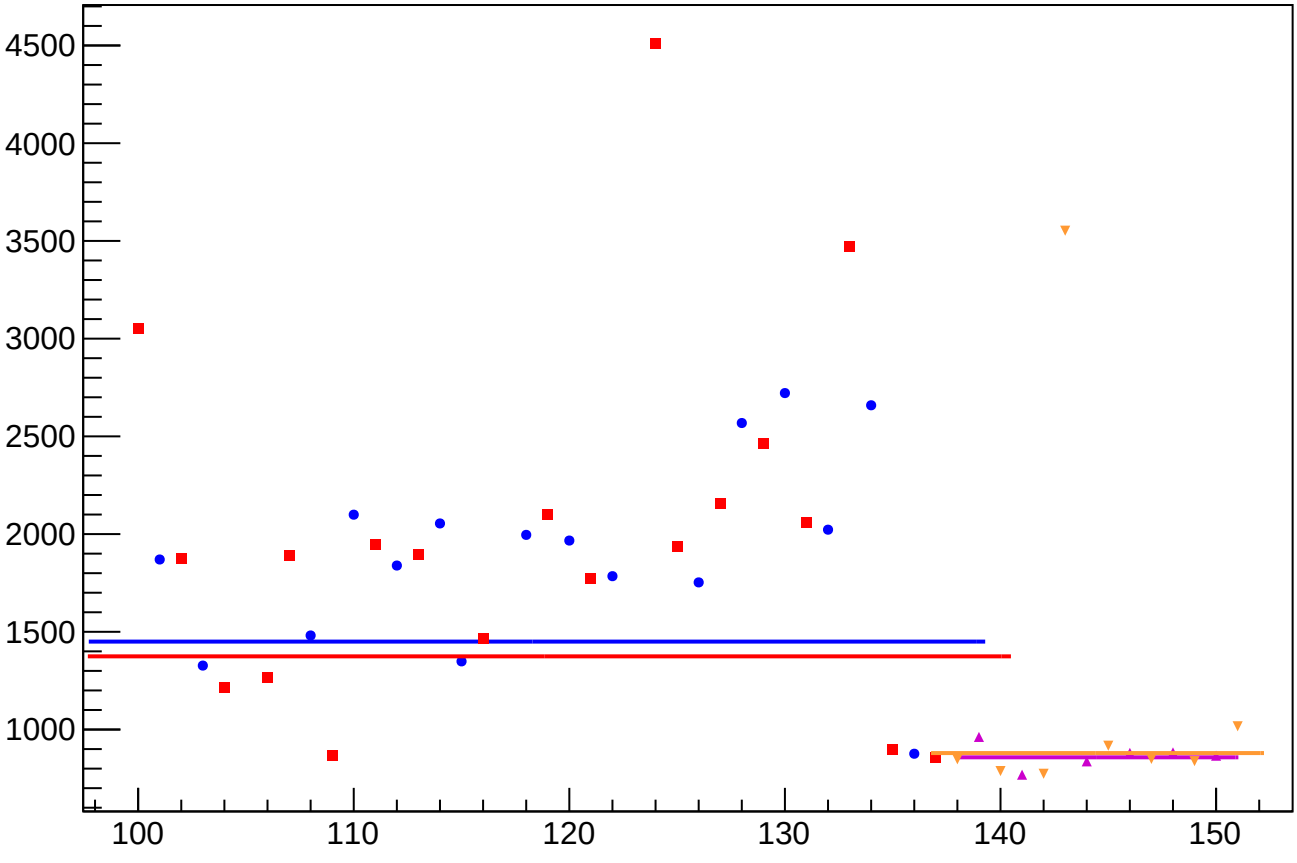
Left In: 467.369+/-375.515 χ^2/NDF:2.8/5

+ sign 707.533+/-311.514 χ^2/NDF: 48.3/23

All: 654.356+/-220.200 χ^2/NDF: 65.8/48

- sign 601.251+/-311.306 χ^2/NDF: 17.4/24

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 879.596+/-0.261 χ^2/NDF:998550.4/7

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

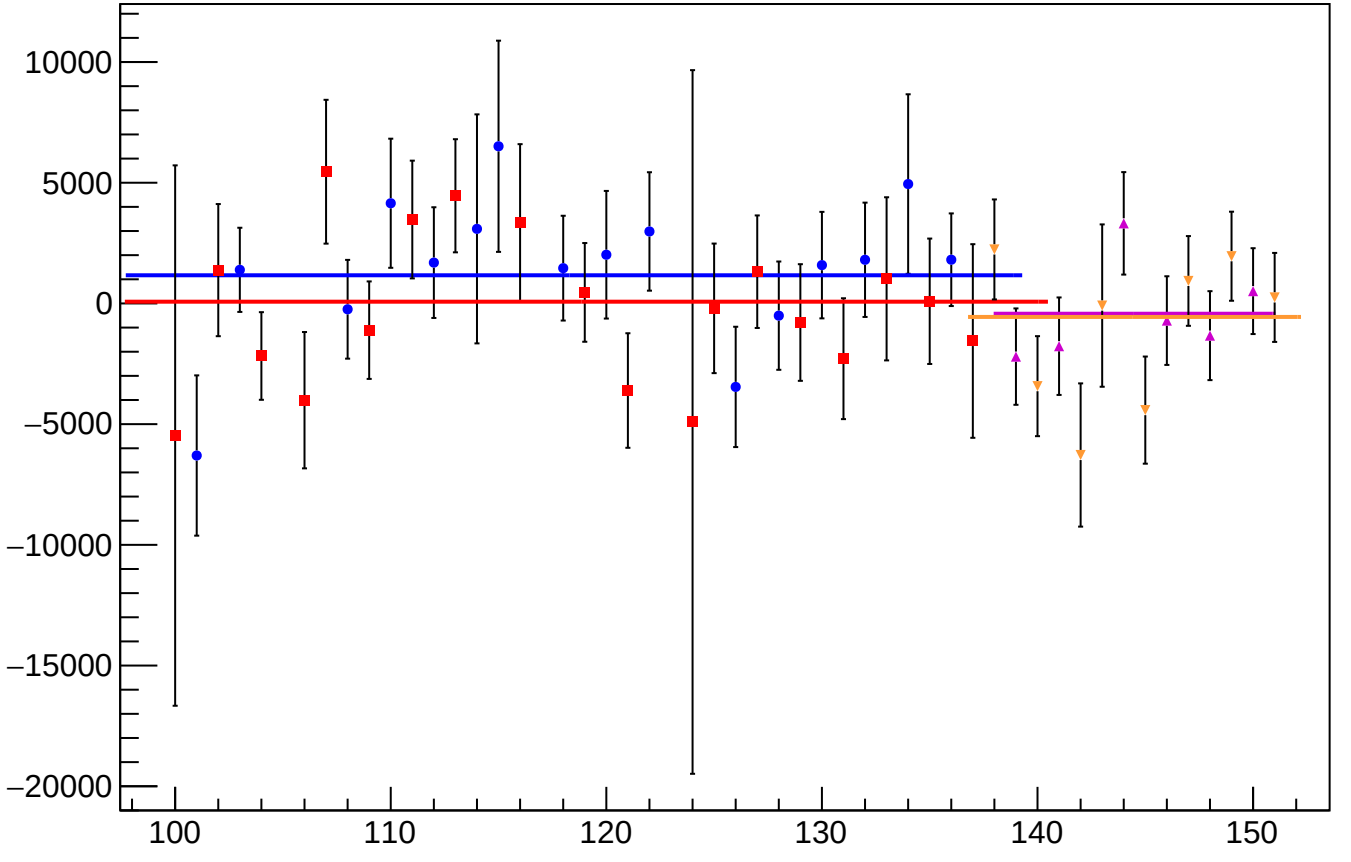
Left In: 857.840+/-0.266 χ^2/NDF:47049.3/5

+ sign 1045.125+/-0.220 χ^2/NDF: 4172256.6/23

All: 1032.255+/-0.156 χ^2/NDF: 7537588.5/48

- sign 1019.401+/-0.220 χ^2/NDF: 3358508.4/24

eigen_cor_asym_at2_dd_mean vs Slug



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: -558.940+/-756.130 χ^2/NDF:13.2/7

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

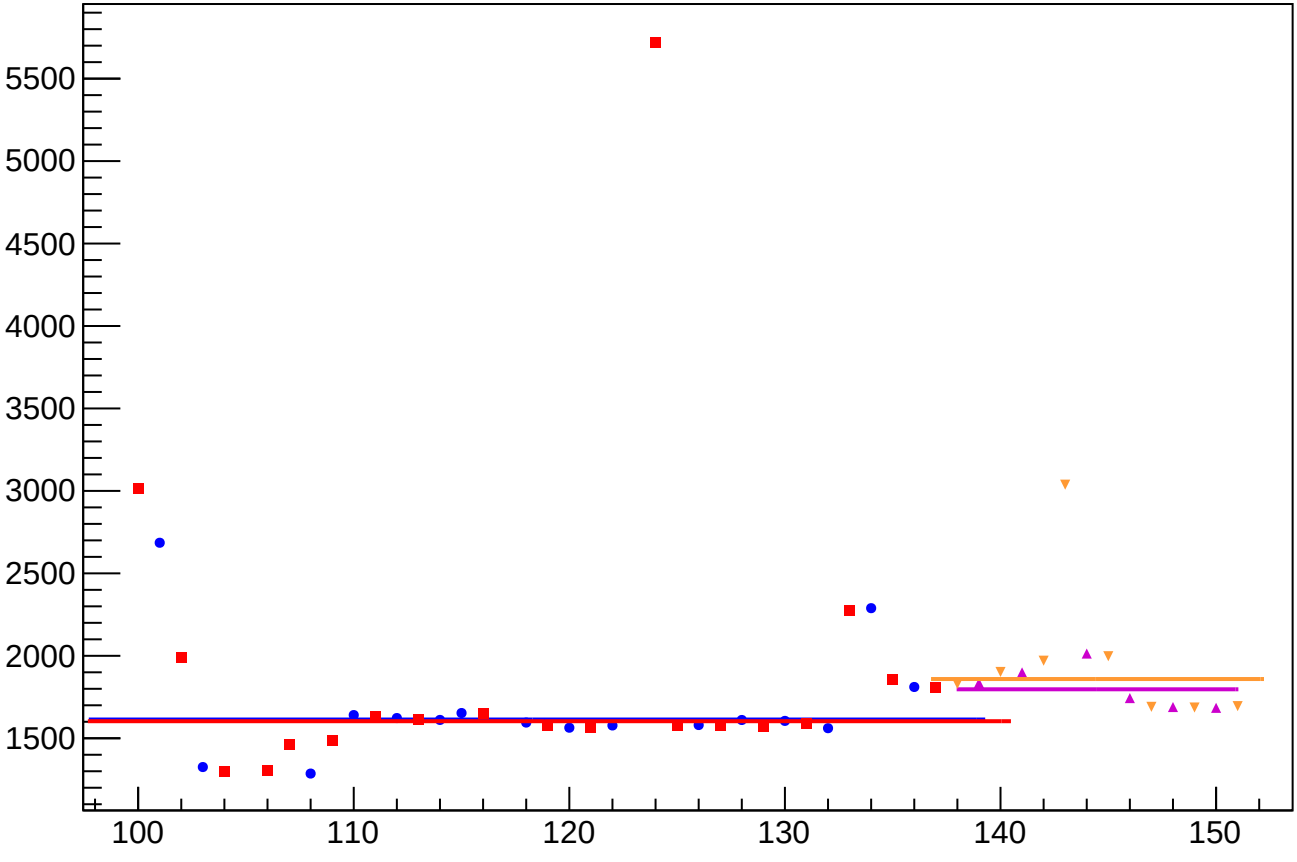
Left In: -426.443+/-784.288 χ^2/NDF:4.9/5

+ sign 487.540+/-474.374 χ^2/NDF: 30.8/23

All: 189.692+/-336.785 χ^2/NDF: 55.0/48

- sign -113.005+/-478.220 χ^2/NDF: 23.4/24

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1859.217+/-0.535 χ^2/NDF:307479.4/7

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

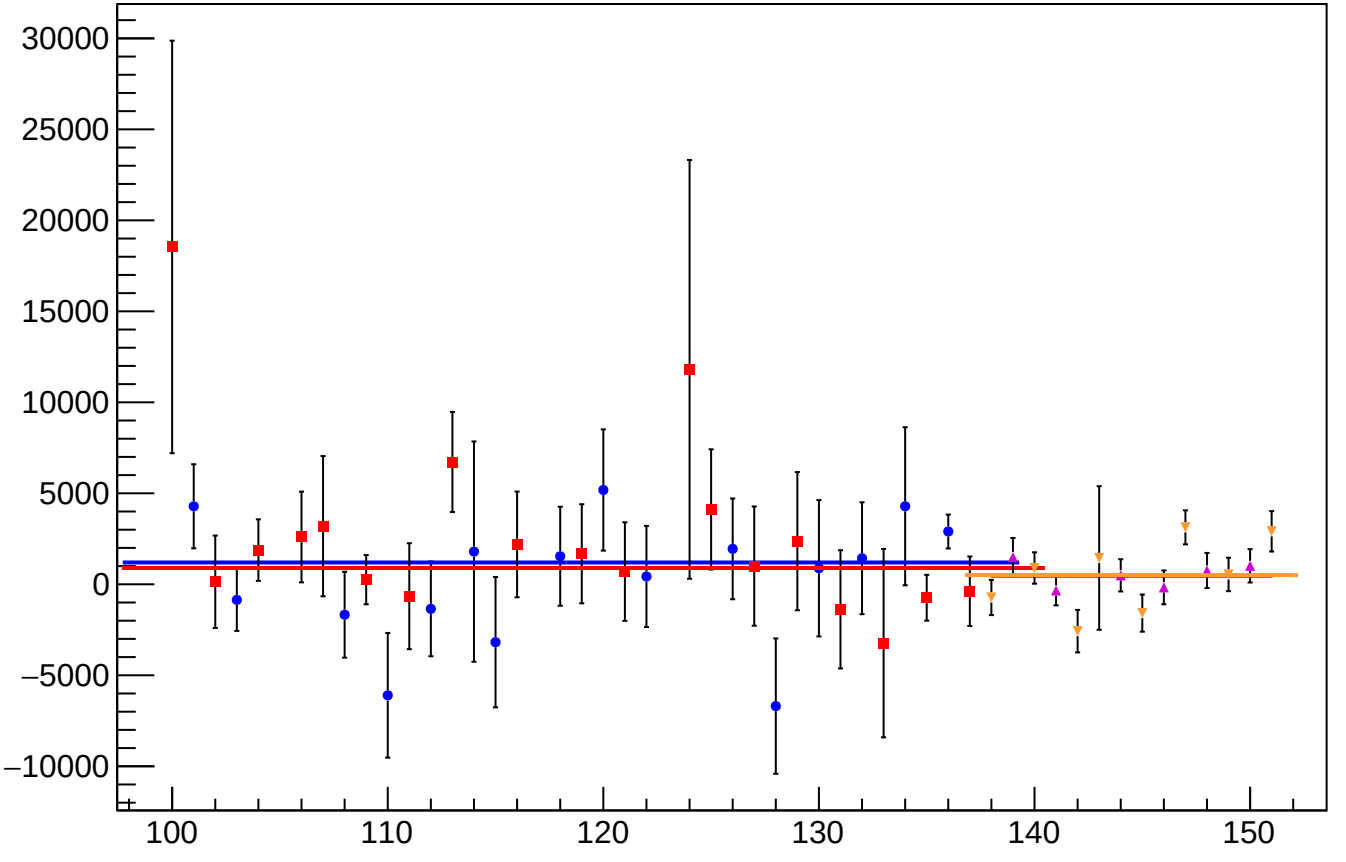
Left In: 1796.969+/-0.555 χ^2/NDF:43241.3/5

+ sign 1710.318+/-0.335 χ^2/NDF: 840064.2/23

All: 1693.004+/-0.238 χ^2/NDF: 1390953.7/48

- sign 1675.408+/-0.338 χ^2/NDF: 545517.6/24

asym_at2_dd_eigen_cor_correction_mean vs Slug



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 506.840+/-369.759 χ^2/NDF:25.6/7

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

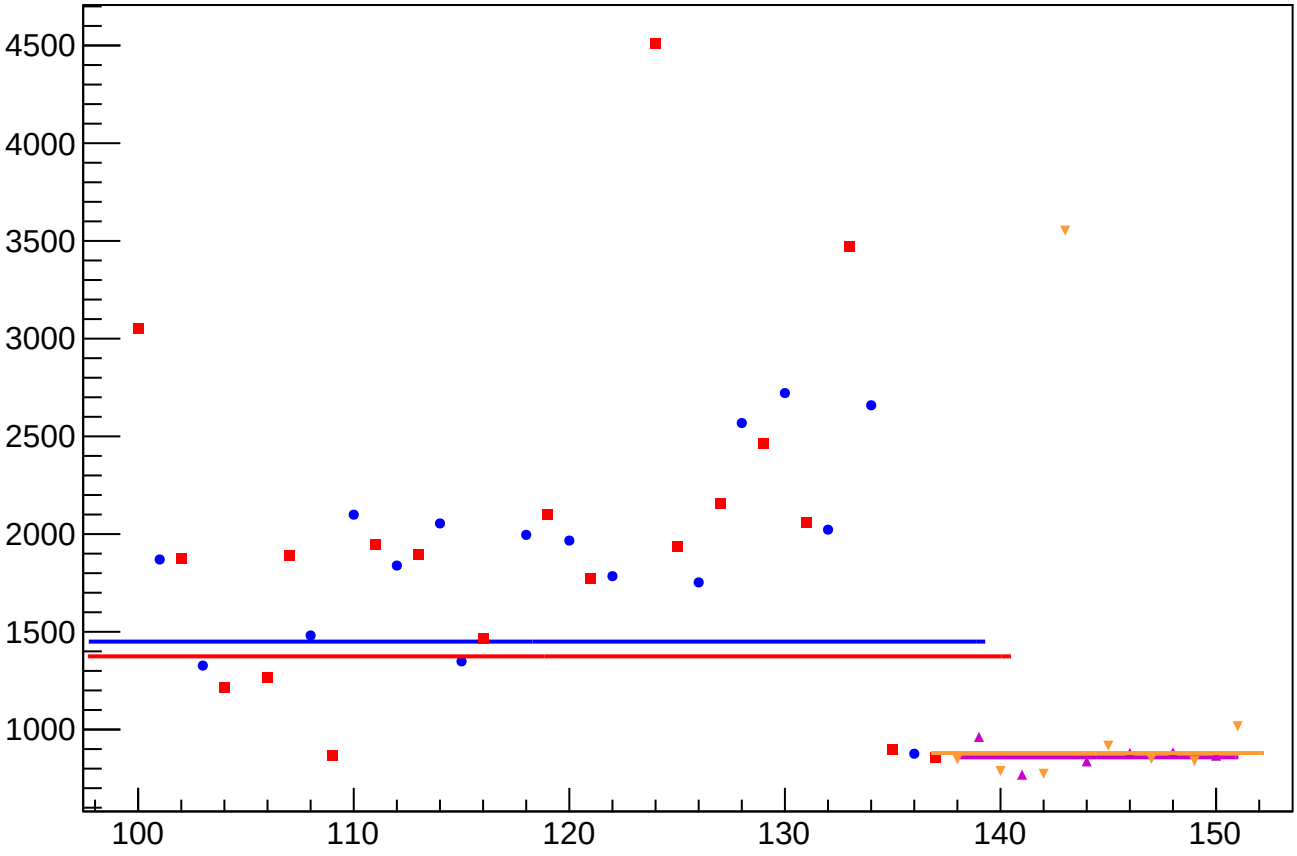
Left In: 467.369+/-375.515 χ^2/NDF:2.8/5

+ sign 707.533+/-311.514 χ^2/NDF: 48.3/23

All: 654.356+/-220.200 χ^2/NDF: 65.8/48

- sign 601.251+/-311.306 χ^2/NDF: 17.4/24

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 879.596+/-0.261 χ^2/NDF:998550.4/7

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

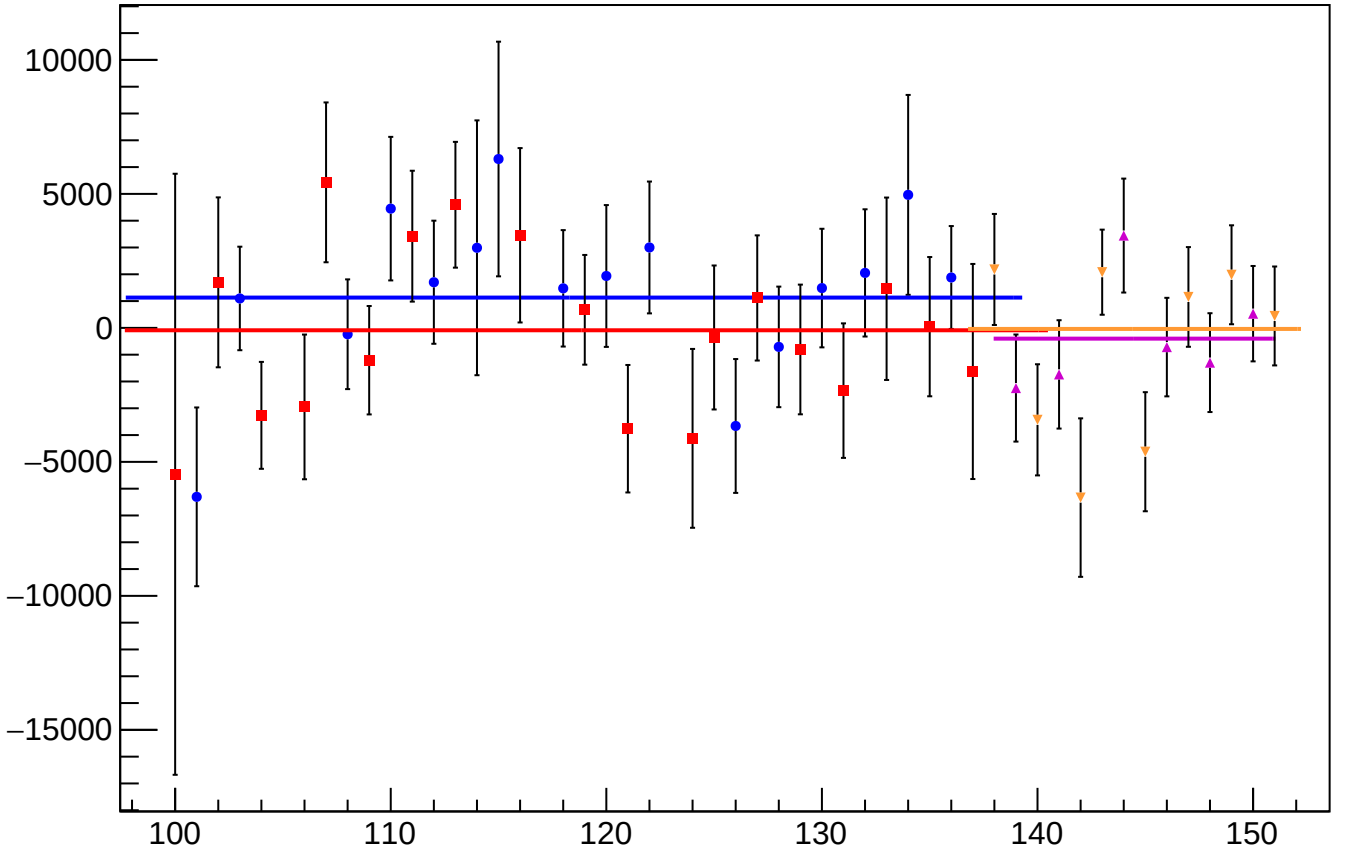
Left In: 857.840+/-0.266 χ^2/NDF:47049.3/5

+ sign 1045.125+/-0.220 χ^2/NDF: 4172256.6/23

All: 1032.255+/-0.156 χ^2/NDF: 7537588.5/48

- sign 1019.401+/-0.220 χ^2/NDF: 3358508.4/24

dit_asym_at2_dd_mean vs Slug



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: -39.088+/-697.595 χ^2/NDF:16.1/7

Right Out: -89.220+/-603.072 χ^2/NDF: 20.7/18

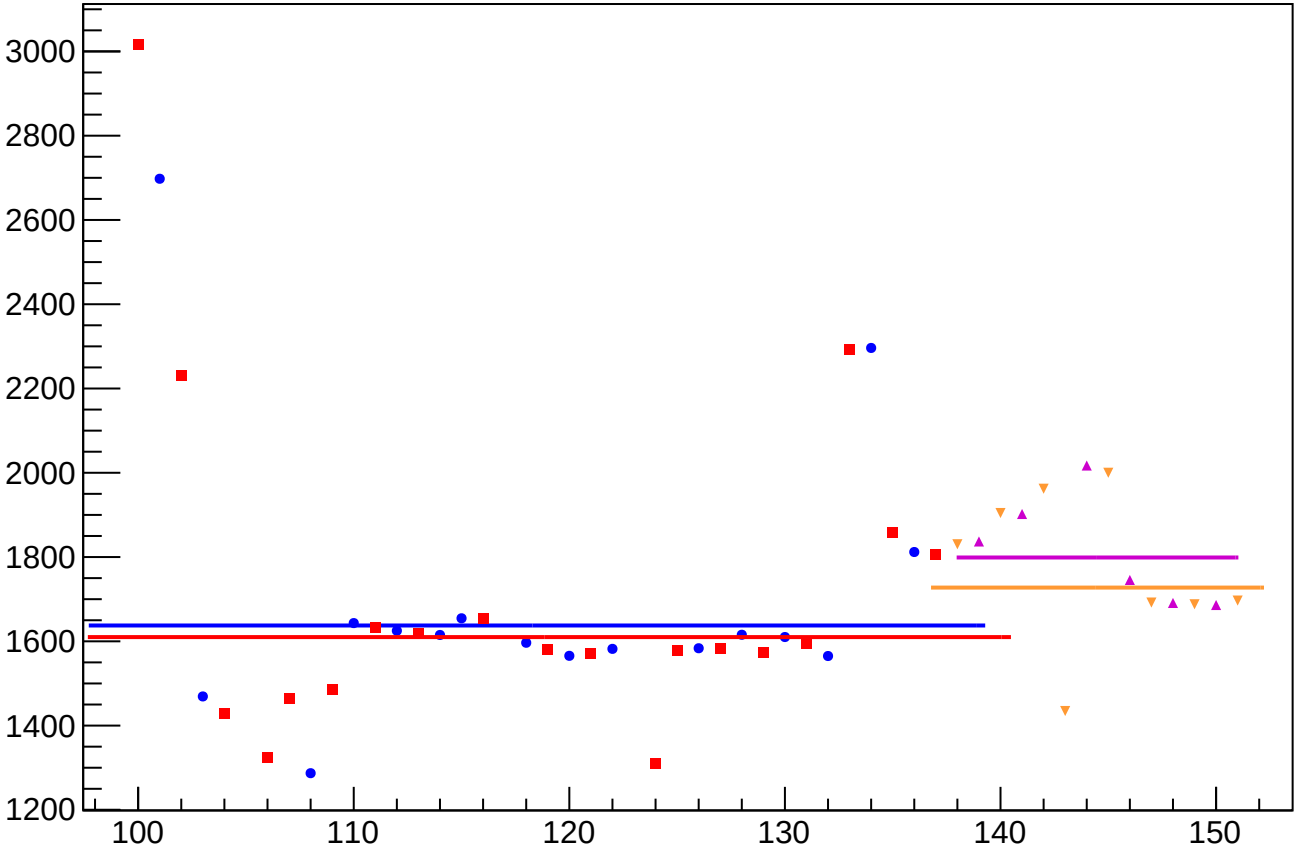
Left In: -401.483+/-785.169 χ^2/NDF:5.1/5

+ sign 617.048+/-462.264 χ^2/NDF: 32.6/23

All: 219.974+/-332.386 χ^2/NDF: 60.0/48

- sign -205.085+/-478.275 χ^2/NDF: 25.9/24

dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1727.540+/-0.493 χ^2/NDF:132434.2/7

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

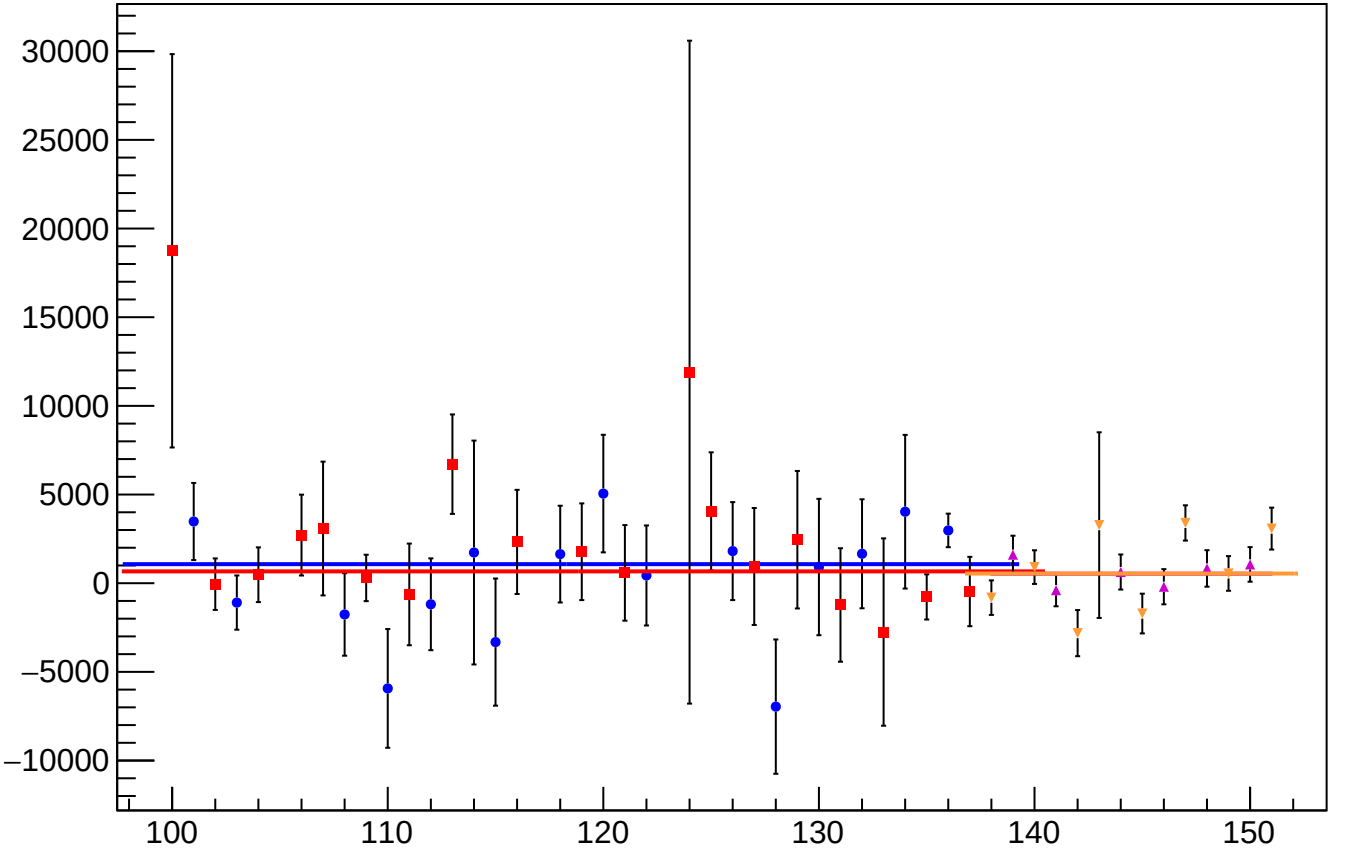
Left In: 1798.944+/-0.555 χ^2/NDF:43575.9/5

+ sign 1677.079+/-0.327 χ^2/NDF: 512508.8/23

All: 1678.554+/-0.235 χ^2/NDF: 909748.9/48

- sign 1680.134+/-0.338 χ^2/NDF: 397197.9/24

asym_at2_dd_dit_correction_mean vs Slug



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

Left Out: 543.544+/-396.357 χ^2/NDF:25.9/7

Right Out: 667.777+/-523.477 χ^2/NDF: 13.6/18

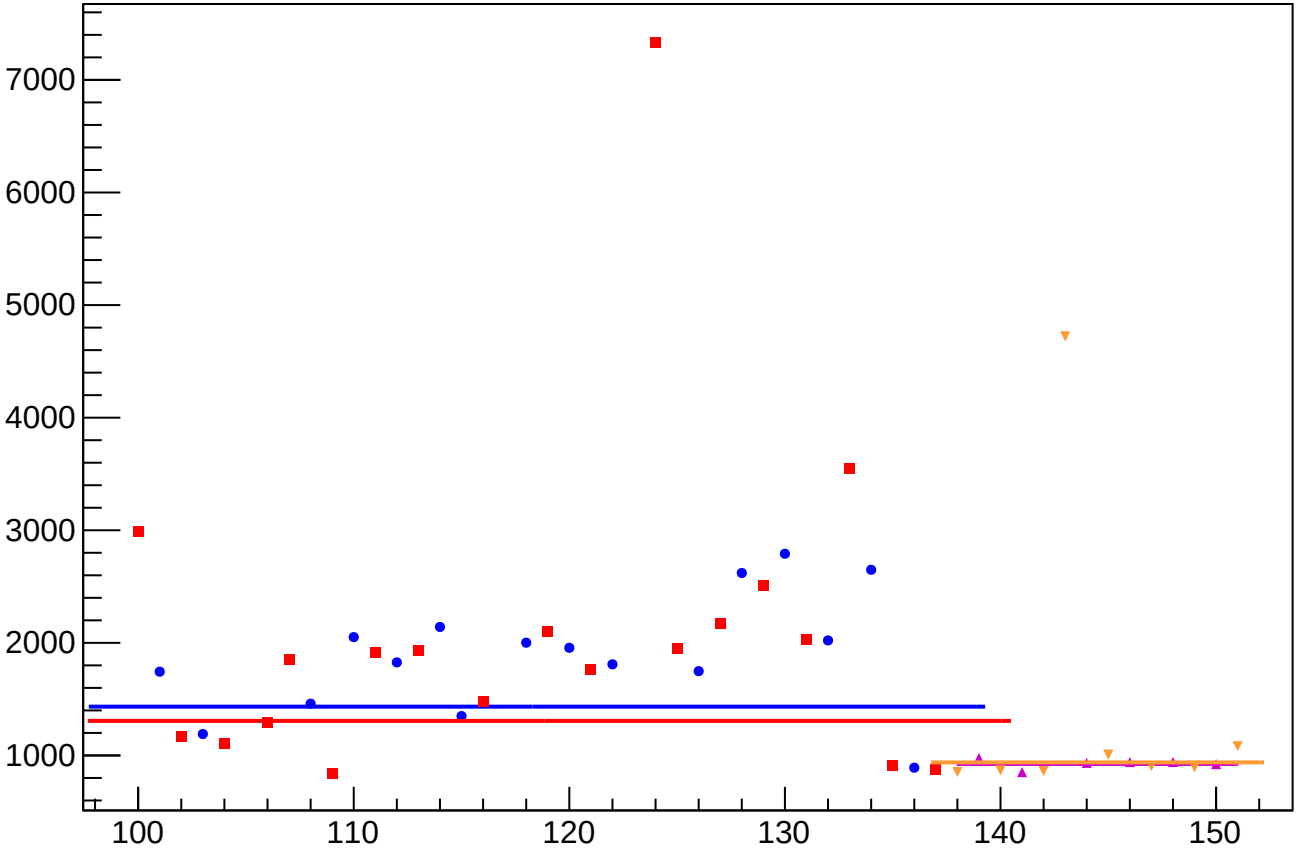
Left In: 535.502+/-404.236 χ^2/NDF:3.0/5

+ sign 715.650+/-325.714 χ^2/NDF: 48.5/23

All: 649.114+/-228.248 χ^2/NDF: 65.2/48

- sign 584.914+/-319.945 χ^2/NDF: 16.6/24

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1433.477+/-0.404 χ^2/NDF: 1763491.8/15

Left Out: 938.307+/-0.280 χ^2/NDF:1122447.4/7

Right Out: 1306.866+/-0.370 χ^2/NDF: 2183906.3/18

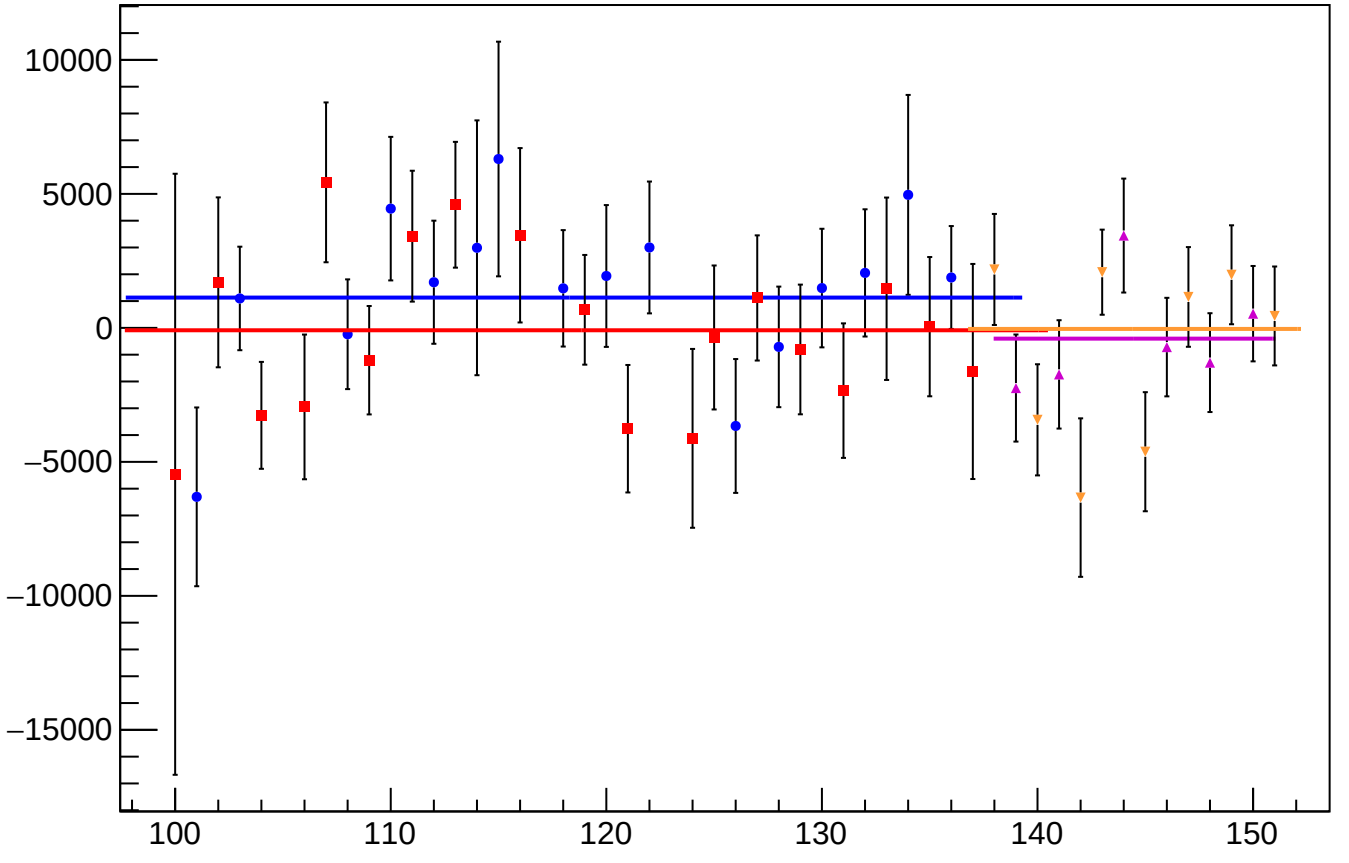
Left In: 924.616+/-0.286 χ^2/NDF:19009.0/5

+ sign 1099.086+/-0.230 χ^2/NDF: 3899477.9/23

All: 1082.964+/-0.161 χ^2/NDF: 6780077.2/48

- sign 1067.408+/-0.226 χ^2/NDF: 2870971.2/24

eigen_dit_asym_at2_dd_mean vs Slug



Right In: 1130.728+/-617.236 χ^2/NDF: 15.0/15

Left Out: -39.098+/-697.595 χ^2/NDF:16.1/7

Right Out: -89.225+/-603.072 χ^2/NDF: 20.7/18

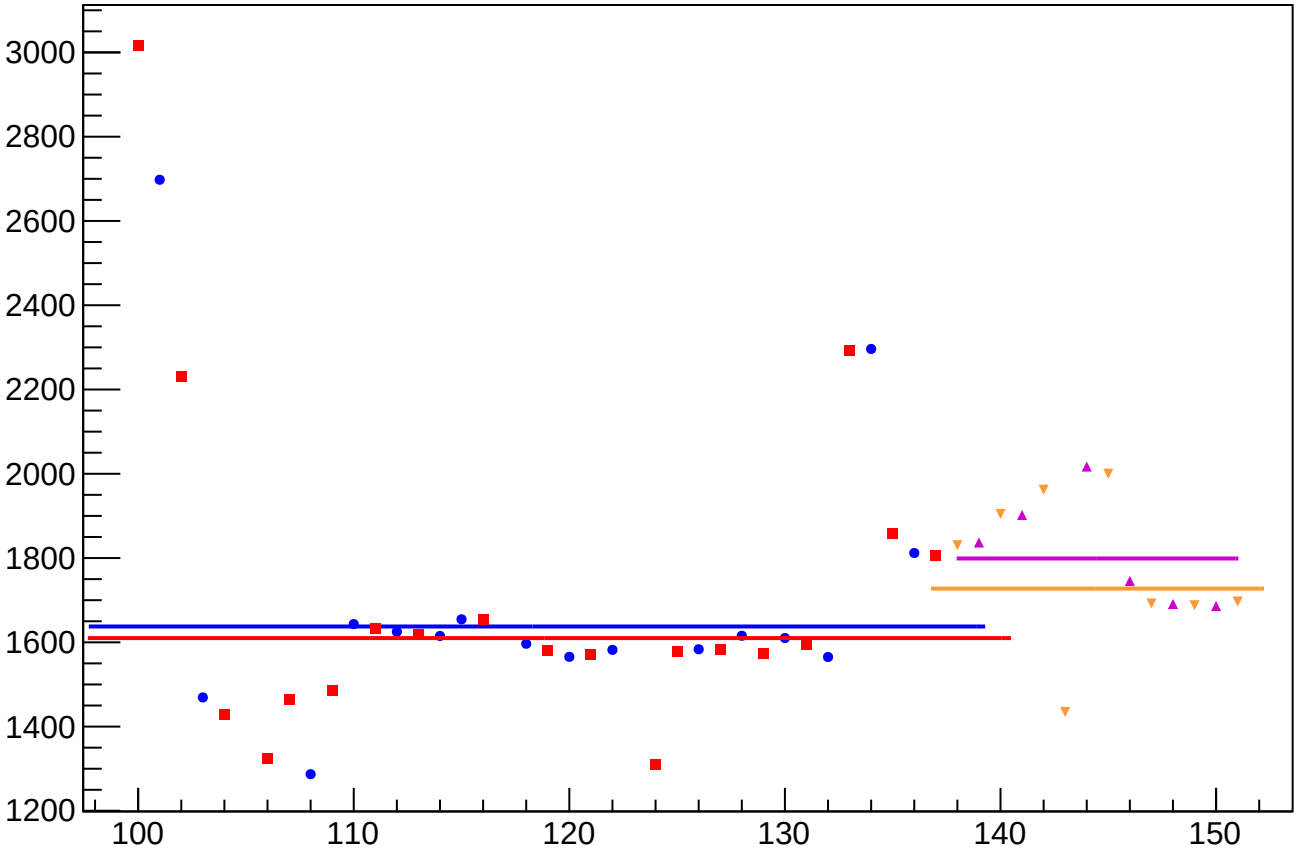
Left In: -401.477+/-785.169 χ^2/NDF:5.1/5

+ sign 617.045+/-462.264 χ^2/NDF: 32.6/23

All: 219.971+/-332.386 χ^2/NDF: 60.0/48

- sign -205.086+/-478.275 χ^2/NDF: 25.9/24

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1727.540+/-0.493 χ^2/NDF:132433.1/7

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

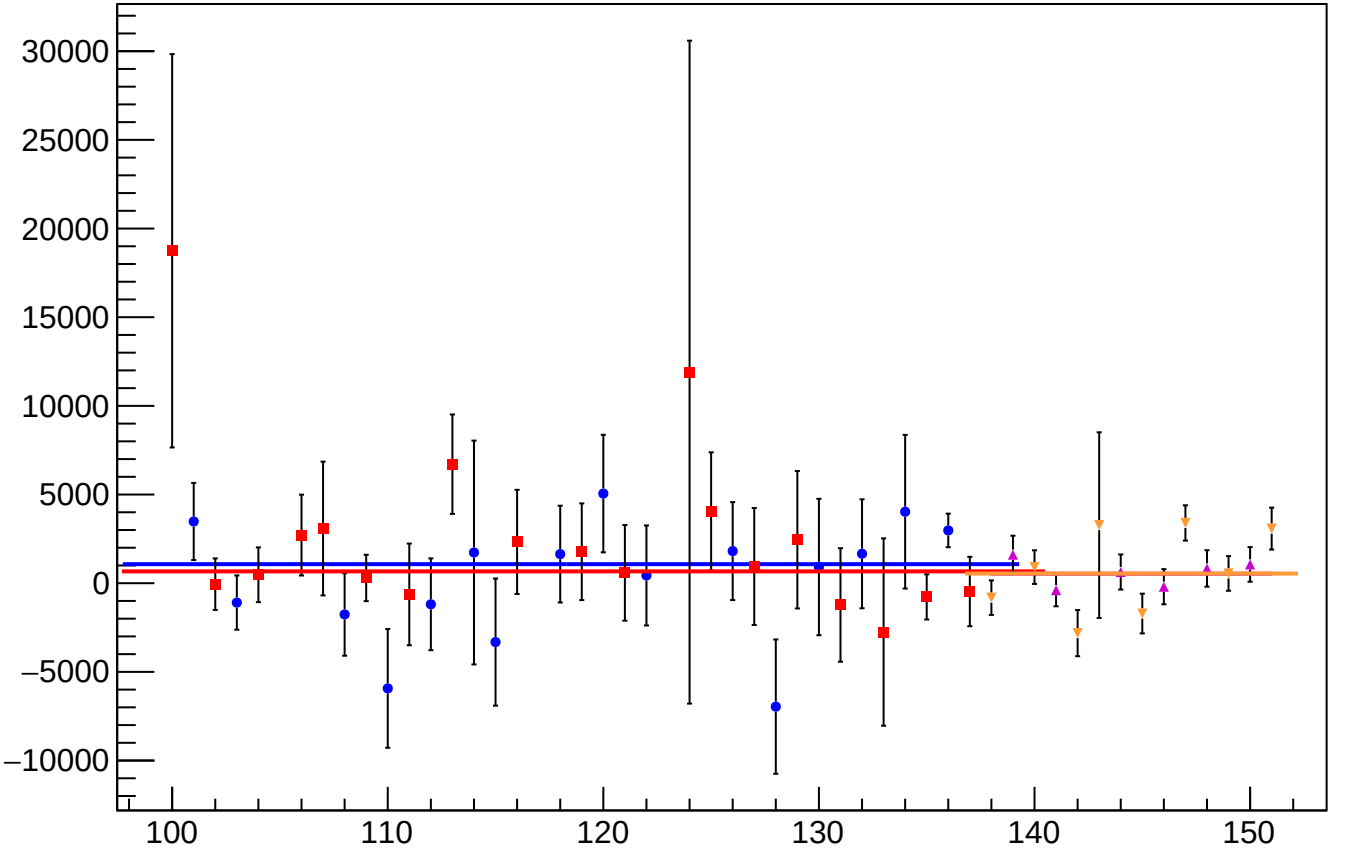
Left In: 1798.943+/-0.555 χ^2/NDF:43576.0/5

+ sign 1677.079+/-0.327 χ^2/NDF: 512507.8/23

All: 1678.554+/-0.235 χ^2/NDF: 909748.2/48

- sign 1680.134+/-0.338 χ^2/NDF: 397198.3/24

asym_at2_dd_eigen_dit_correction_mean vs Slug



Right In: 1073.589+/-571.613 χ^2/NDF: 22.0/15

Left Out: 543.559+/-396.359 χ^2/NDF:25.9/7

Right Out: 667.789+/-523.481 χ^2/NDF: 13.6/18

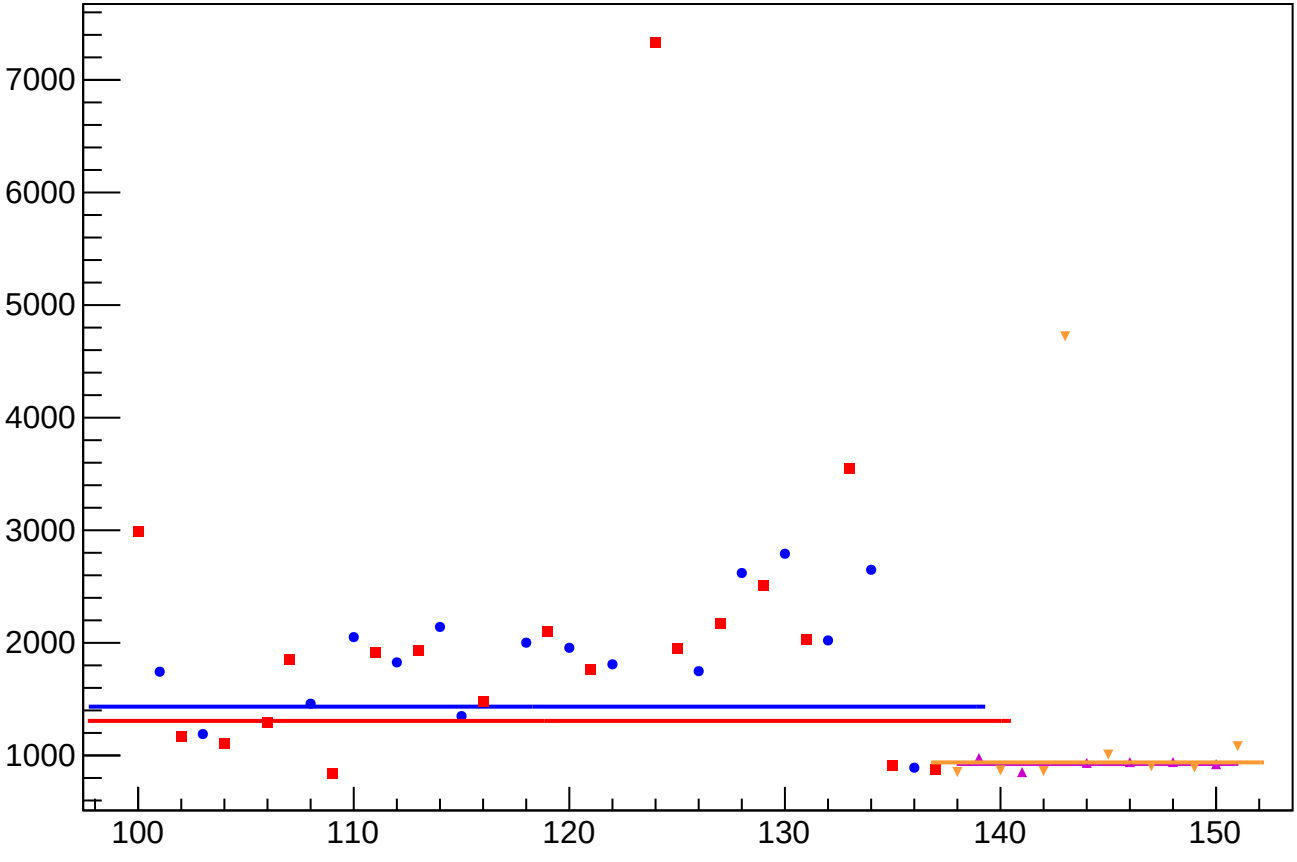
Left In: 535.502+/-404.236 χ^2/NDF:3.0/5

+ sign 715.657+/-325.716 χ^2/NDF: 48.5/23

All: 649.119+/-228.249 χ^2/NDF: 65.2/48

- sign 584.918+/-319.946 χ^2/NDF: 16.6/24

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1433.492+/-0.404 χ^2/NDF: 1763397.4/15

Left Out: 938.313+/-0.280 χ^2/NDF:1122434.9/7

Right Out: 1306.880+/-0.370 χ^2/NDF: 2183835.0/18

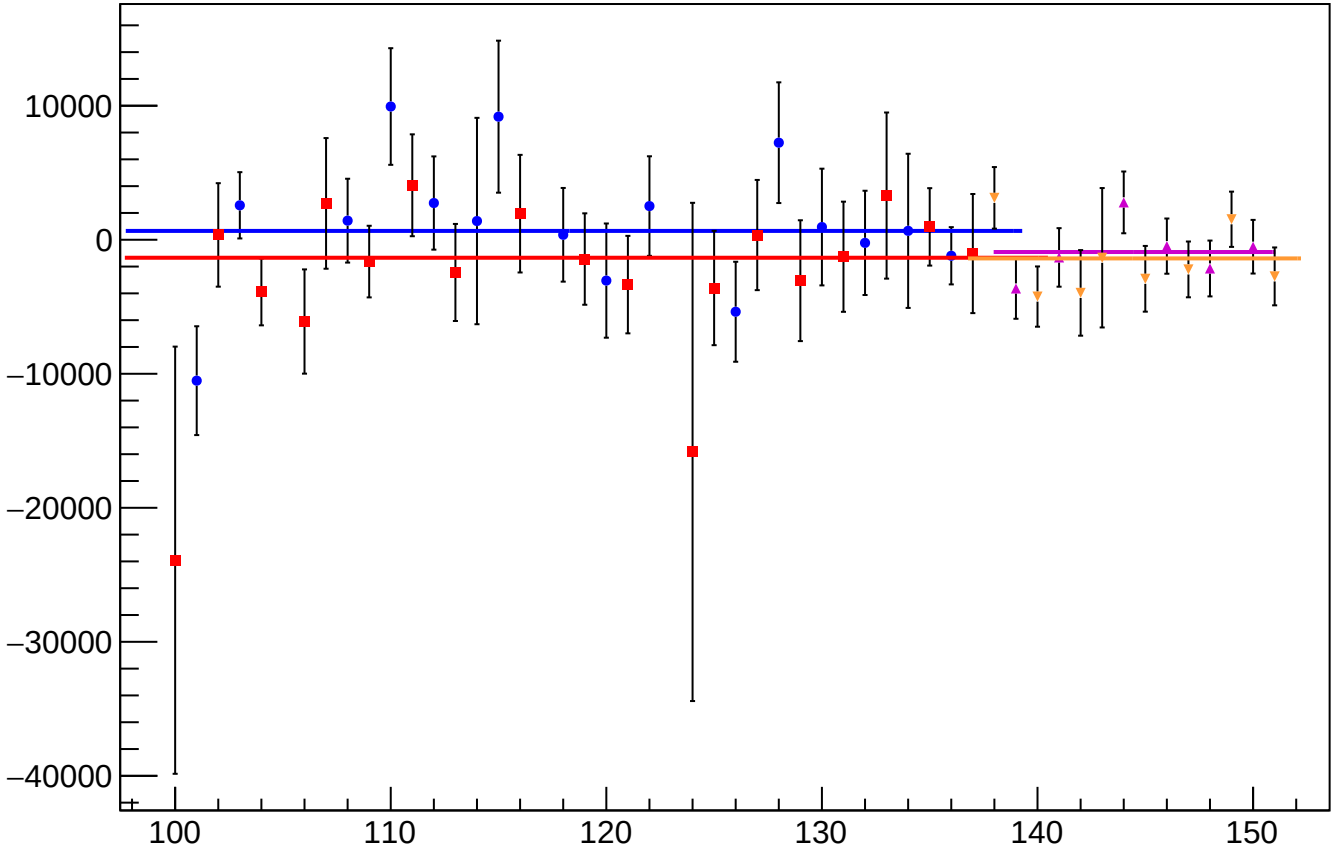
Left In: 924.617+/-0.286 χ^2/NDF:19009.9/5

+ sign 1099.095+/-0.230 χ^2/NDF: 3899396.2/23

All: 1082.971+/-0.161 χ^2/NDF: 6779963.1/48

- sign 1067.413+/-0.226 χ^2/NDF: 2870936.4/24

asym_at2_dd_mean vs Slug



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -1392.469+/-854.658 χ^2/NDF:9.1/7

Right Out: -1341.998+/-890.576 χ^2/NDF: 10.8/18

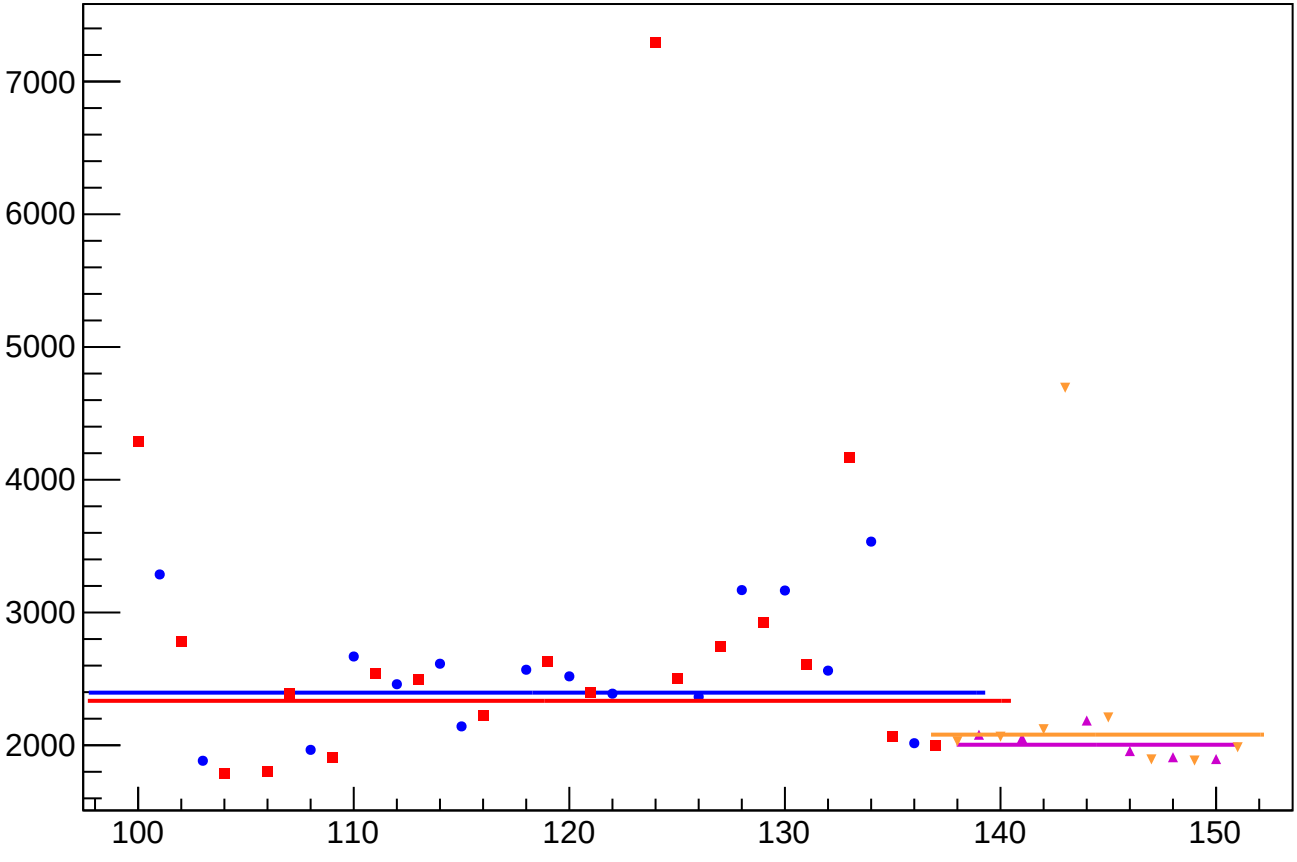
Left In: -914.785+/-873.957 χ^2/NDF:4.5/5

+ sign -430.310+/-622.843 χ^2/NDF: 33.7/23

All: -776.821+/-440.745 χ^2/NDF: 49.8/48

- sign -1124.368+/-623.773 χ^2/NDF: 15.4/24

asym_at2_dd_rms vs Slug



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 2080.021+/-0.604 χ^2/NDF:549749.9/7

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

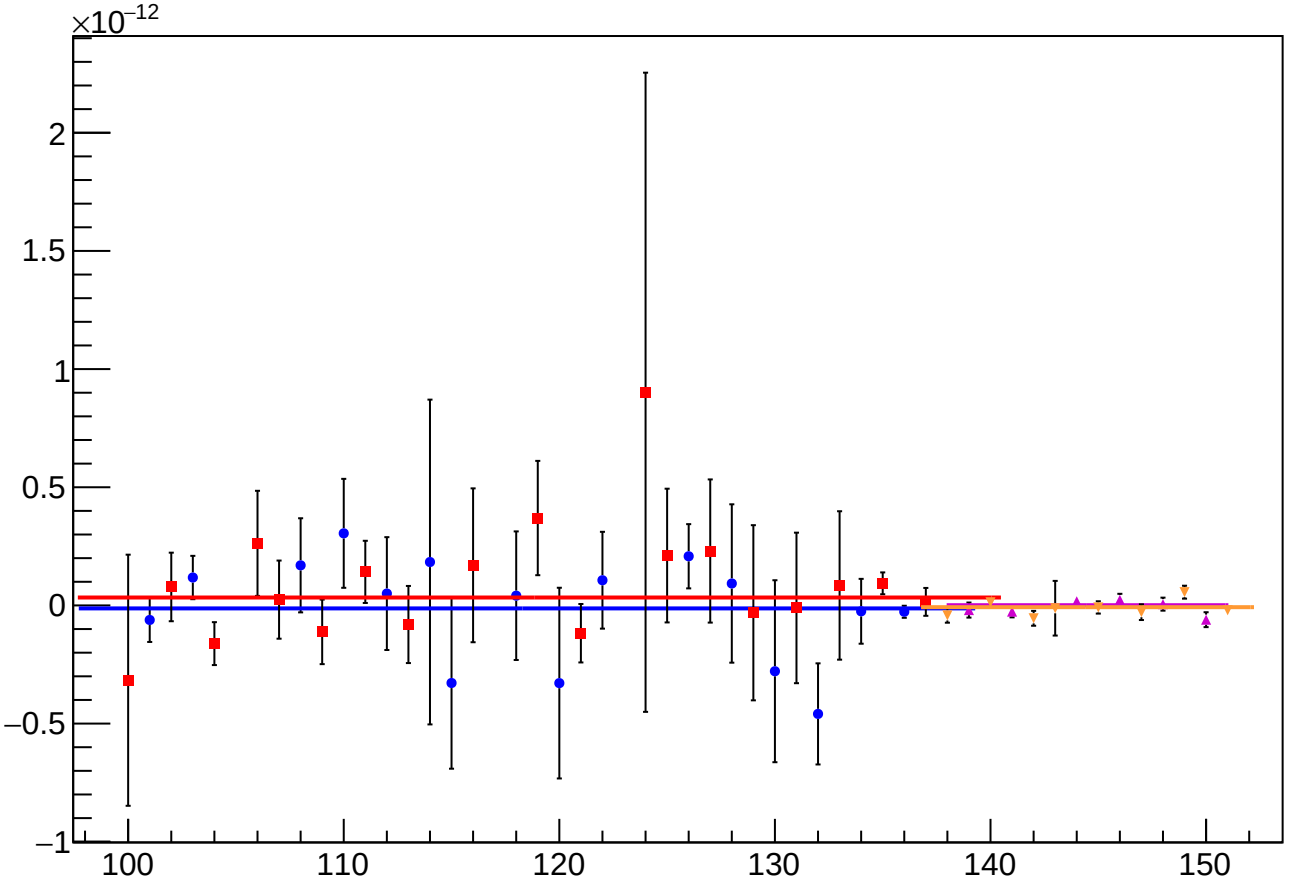
Left In: 2003.800+/-0.618 χ^2/NDF:26770.1/5

+ sign 2228.315+/-0.440 χ^2/NDF: 1186059.0/23

All: 2197.245+/-0.312 χ^2/NDF: 2044930.9/48

- sign 2166.082+/-0.441 χ^2/NDF: 848903.4/24

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:11.0/7

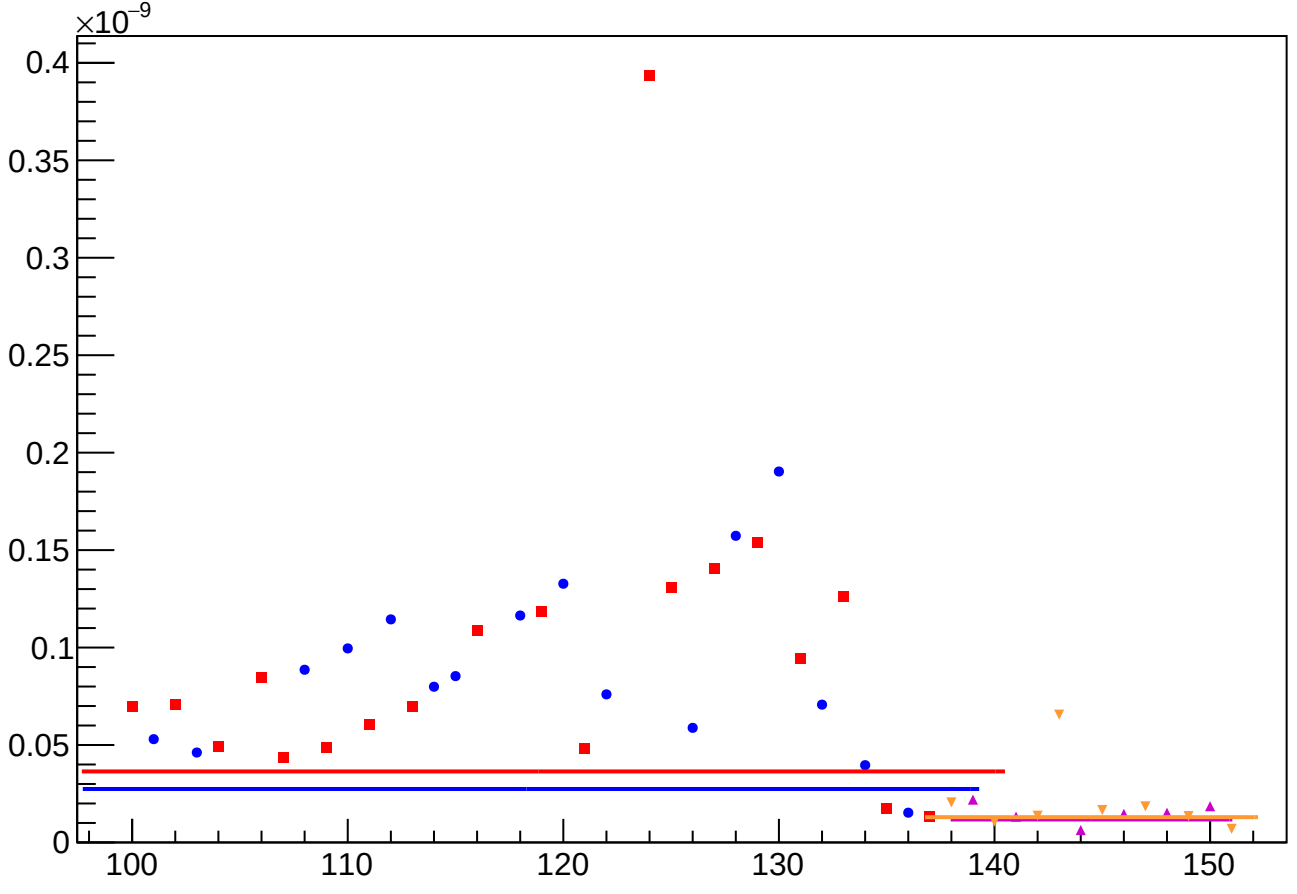
Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:7.7/5

+ sign -0.000+/-0.000 χ^2/NDF: 25.8/23

All: -0.000+/-0.000 χ^2/NDF: 50.9/48

- sign 0.000+/-0.000 χ^2/NDF: 24.1/24



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:866768.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

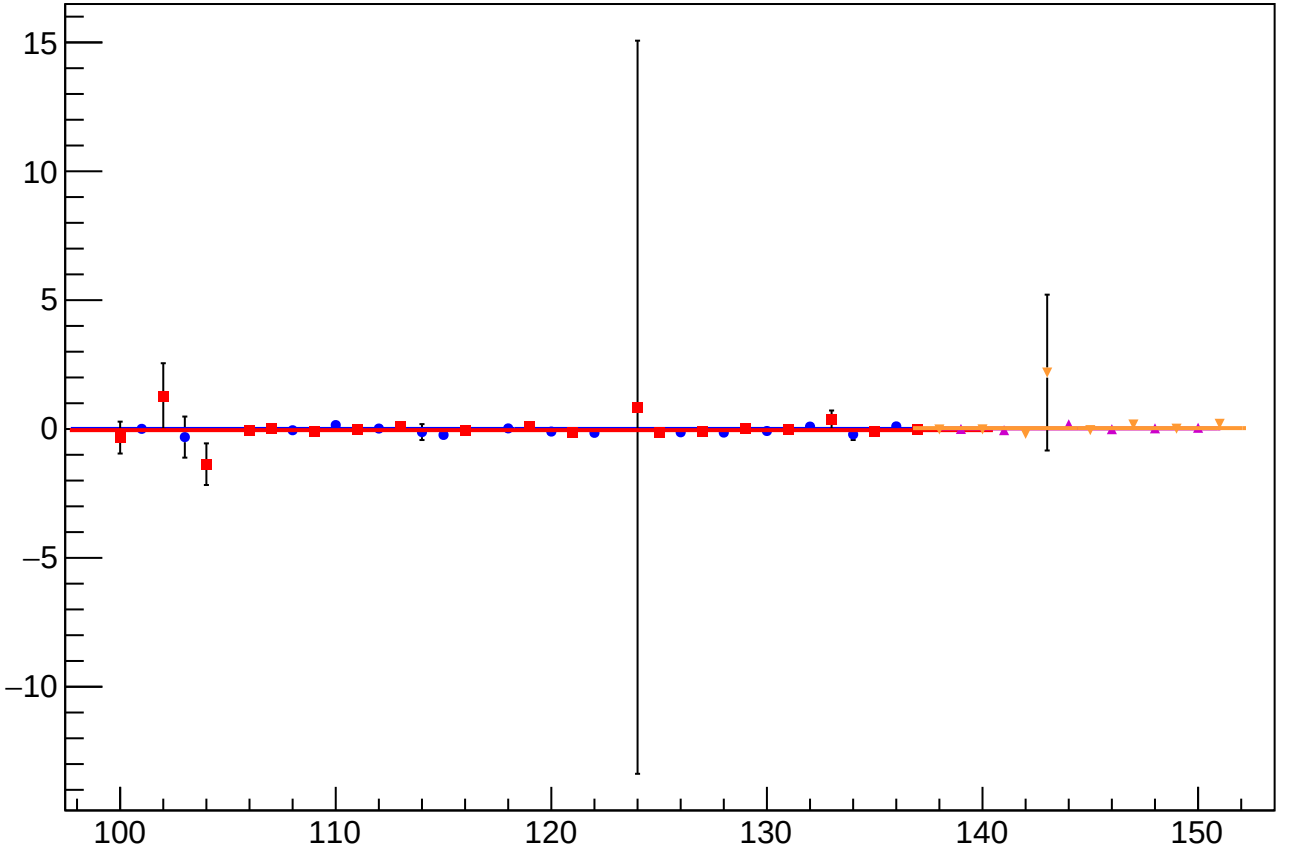
Left In: 0.000+/-0.000 χ^2/NDF:670079.3/5

+ sign 0.000+/-0.000 χ^2/NDF: 4317957.8/23

All: 0.000+/-0.000 χ^2/NDF: 8843280.6/48

- sign 0.000+/-0.000 χ^2/NDF: 4513393.6/24

asym_at2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.035+/-0.026 χ^2/NDF:14.5/7

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

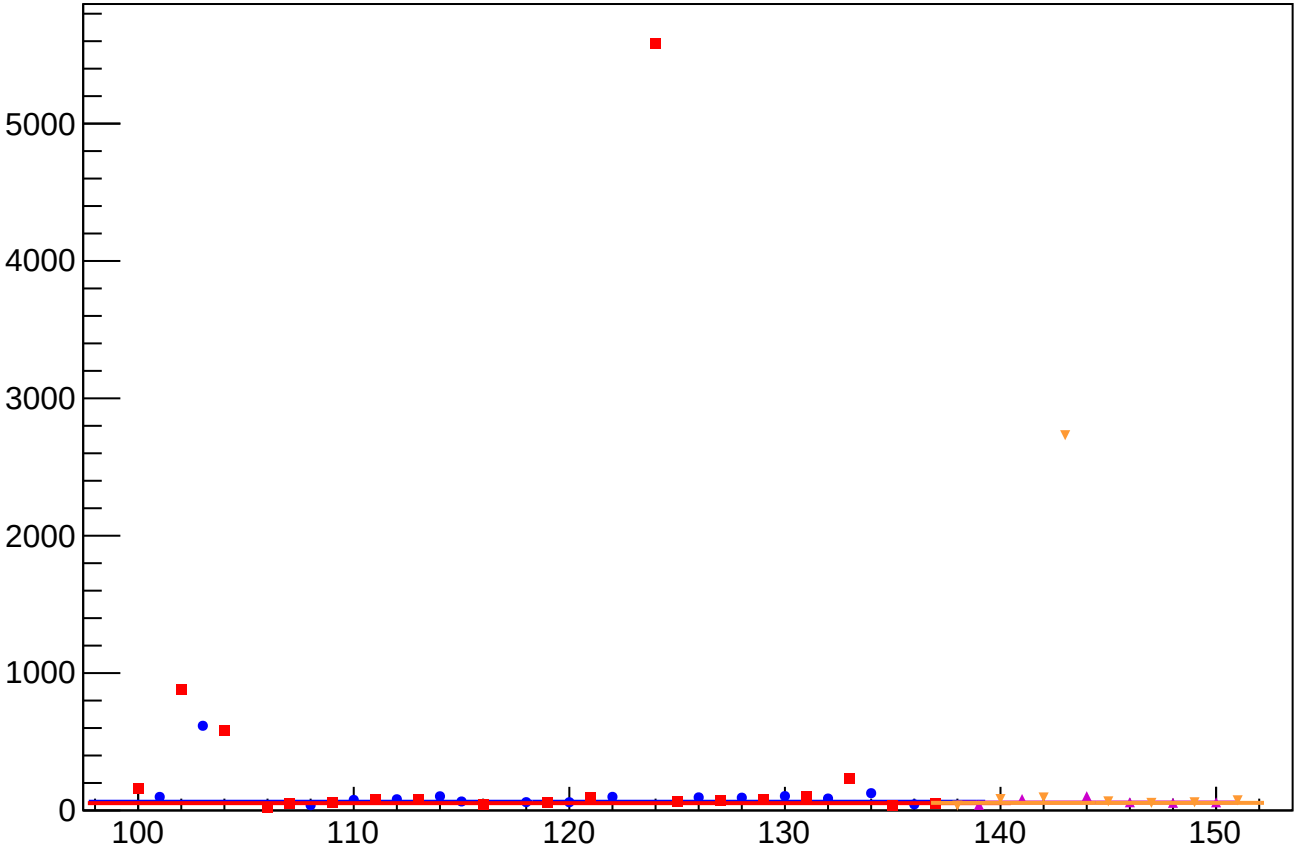
Left In: 0.021+/-0.028 χ^2/NDF:3.1/5

+ sign 0.020+/-0.019 χ^2/NDF: 28.5/23

All: 0.002+/-0.013 χ^2/NDF: 48.9/48

- sign -0.015+/-0.019 χ^2/NDF: 18.7/24

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 55.253+/-0.019 χ^2/NDF:2452878.1/7

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

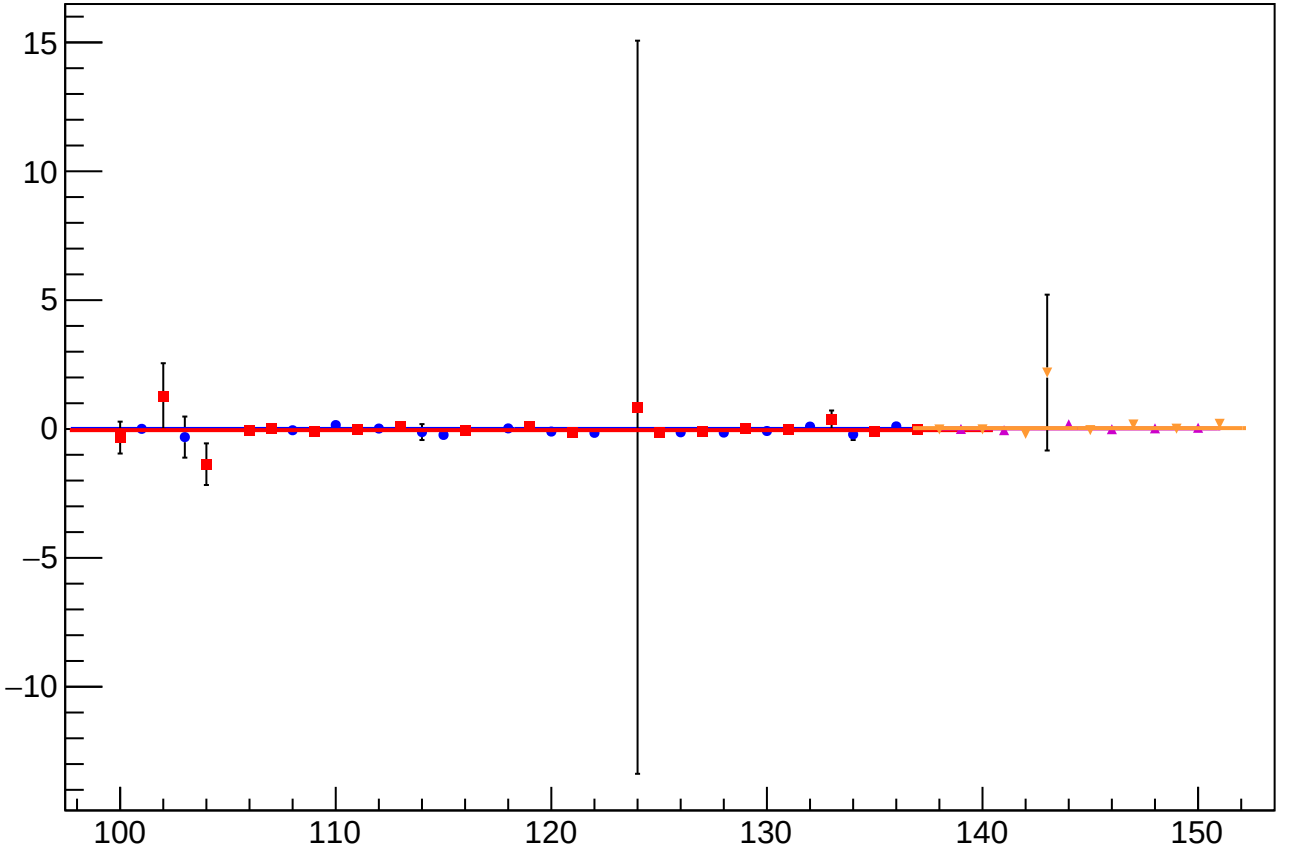
Left In: 57.731+/-0.020 χ^2/NDF:728386.6/5

+ sign 59.225+/-0.013 χ^2/NDF: 4991799.5/23

All: 57.175+/-0.009 χ^2/NDF: 9741259.7/48

- sign 55.208+/-0.013 χ^2/NDF: 4703534.0/24

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: 0.035+/-0.026 χ^2/NDF:14.5/7

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

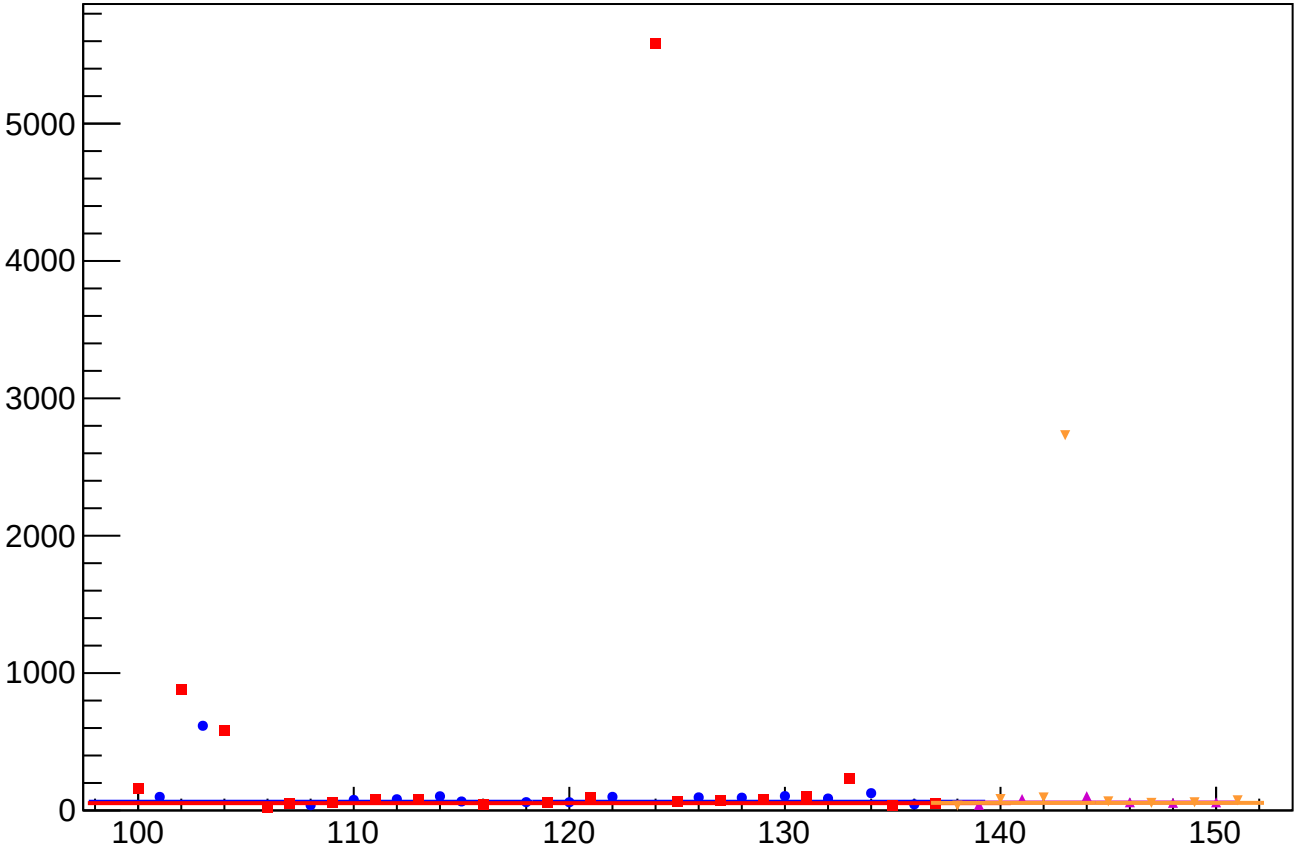
Left In: 0.021+/-0.028 χ^2/NDF:3.1/5

+ sign 0.020+/-0.019 χ^2/NDF: 28.5/23

All: 0.002+/-0.013 χ^2/NDF: 48.9/48

- sign -0.015+/-0.019 χ^2/NDF: 18.7/24

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: 55.253+/-0.019 χ^2/NDF:2452878.1/7

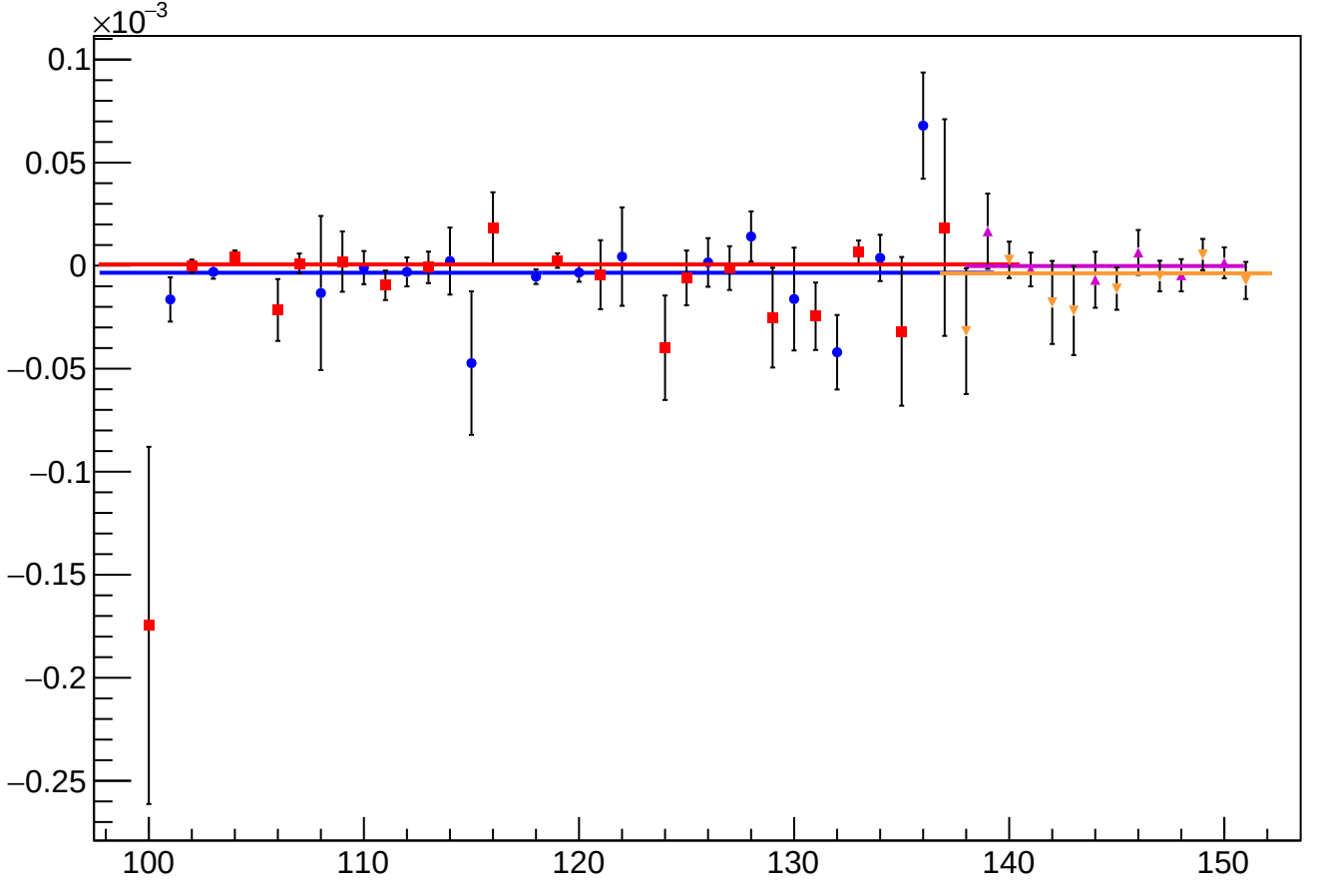
Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 57.731+/-0.020 χ^2/NDF:728386.6/5

+ sign 59.225+/-0.013 χ^2/NDF: 4991799.5/23

All: 57.175+/-0.009 χ^2/NDF: 9741259.7/48

- sign 55.208+/-0.013 χ^2/NDF: 4703534.0/24



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.7/7

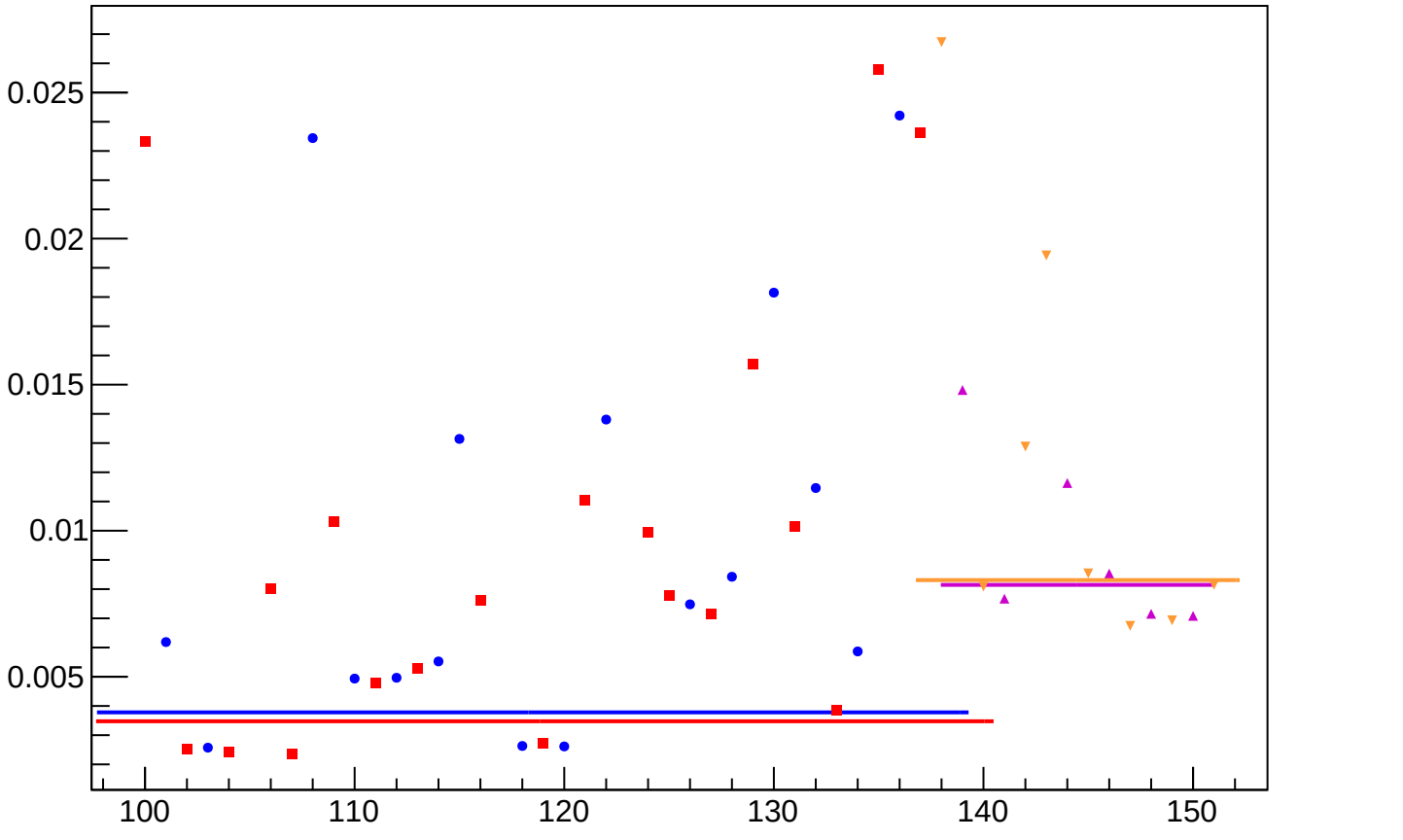
Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: -0.000+/-0.000 χ^2/NDF:1.9/5

+ sign -0.000+/-0.000 χ^2/NDF: 23.6/23

All: -0.000+/-0.000 χ^2/NDF: 48.1/48

- sign 0.000+/-0.000 χ^2/NDF: 21.1/24



Right In: 0.004+/-0.000 χ^2/NDF: 4719536.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:1520648.8/7

Right Out: 0.003+/-0.000 χ^2/NDF: 4495340.7/18

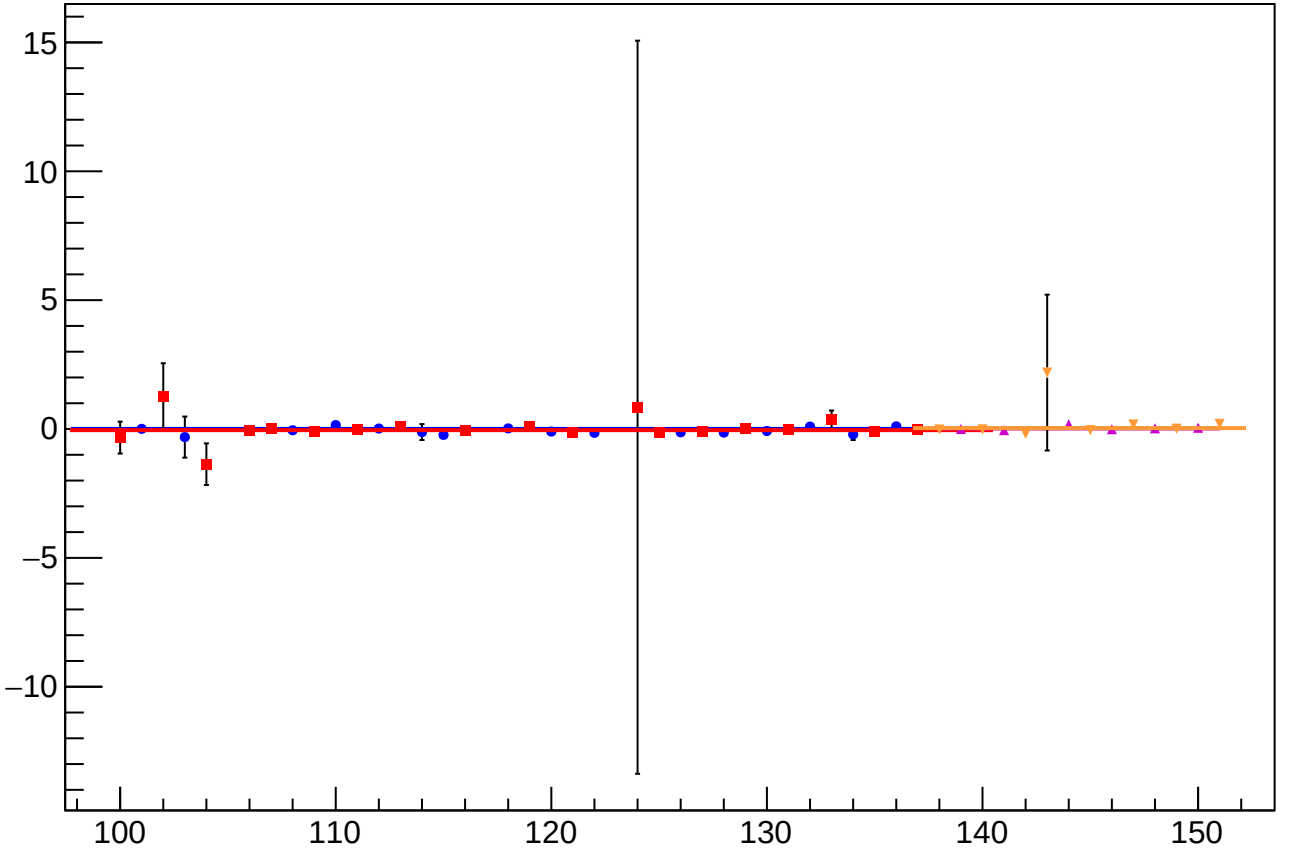
Left In: 0.008+/-0.000 χ^2/NDF:480214.6/5

+ sign 0.005+/-0.000 χ^2/NDF: 8722015.7/23

All: 0.004+/-0.000 χ^2/NDF: 16327850.6/48

- sign 0.004+/-0.000 χ^2/NDF: 7461527.2/24

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.035+/-0.026 χ^2/NDF:14.5/7

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

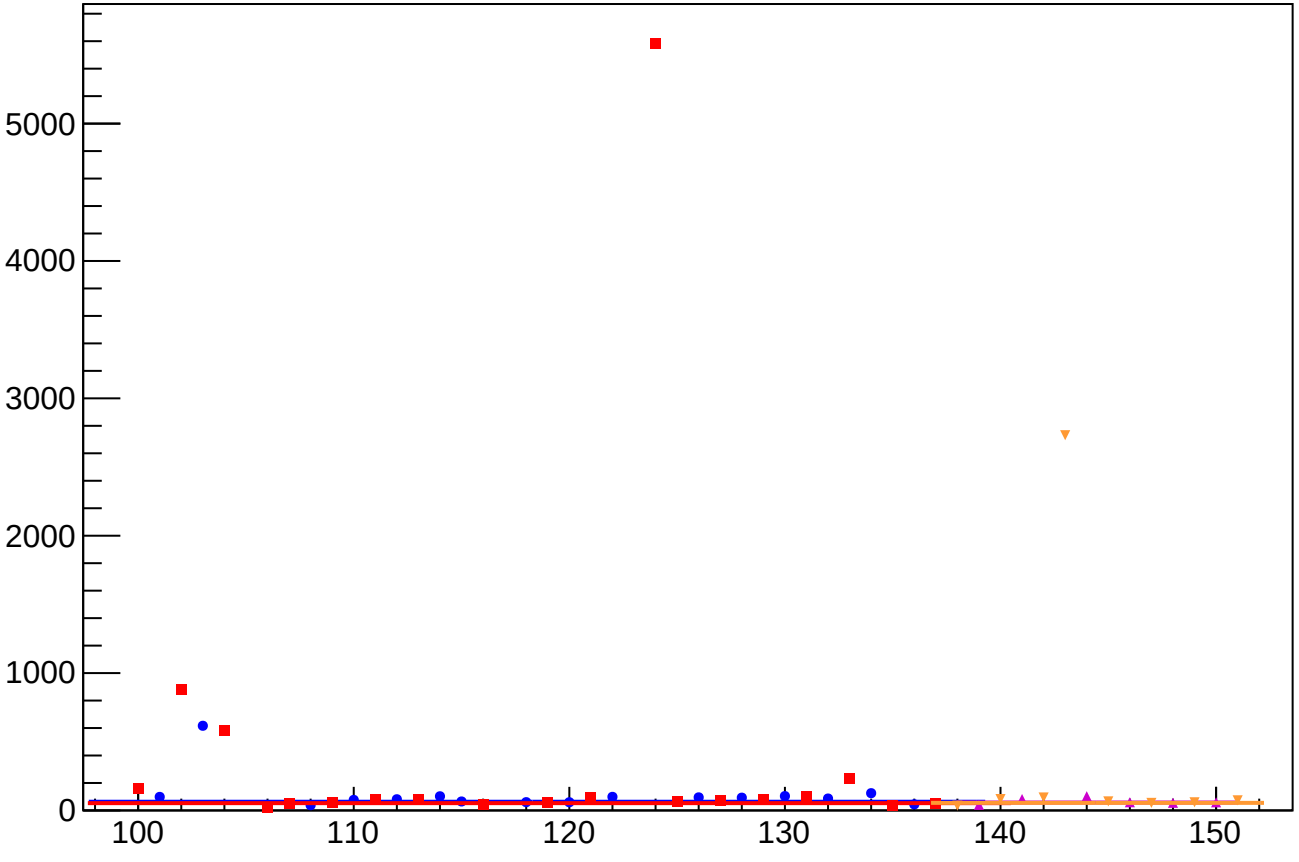
Left In: 0.021+/-0.028 χ^2/NDF:3.1/5

+ sign 0.020+/-0.019 χ^2/NDF: 28.5/23

All: 0.002+/-0.013 χ^2/NDF: 48.9/48

- sign -0.015+/-0.019 χ^2/NDF: 18.7/24

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: 55.251+/-0.019 χ^2/NDF:2452812.1/7

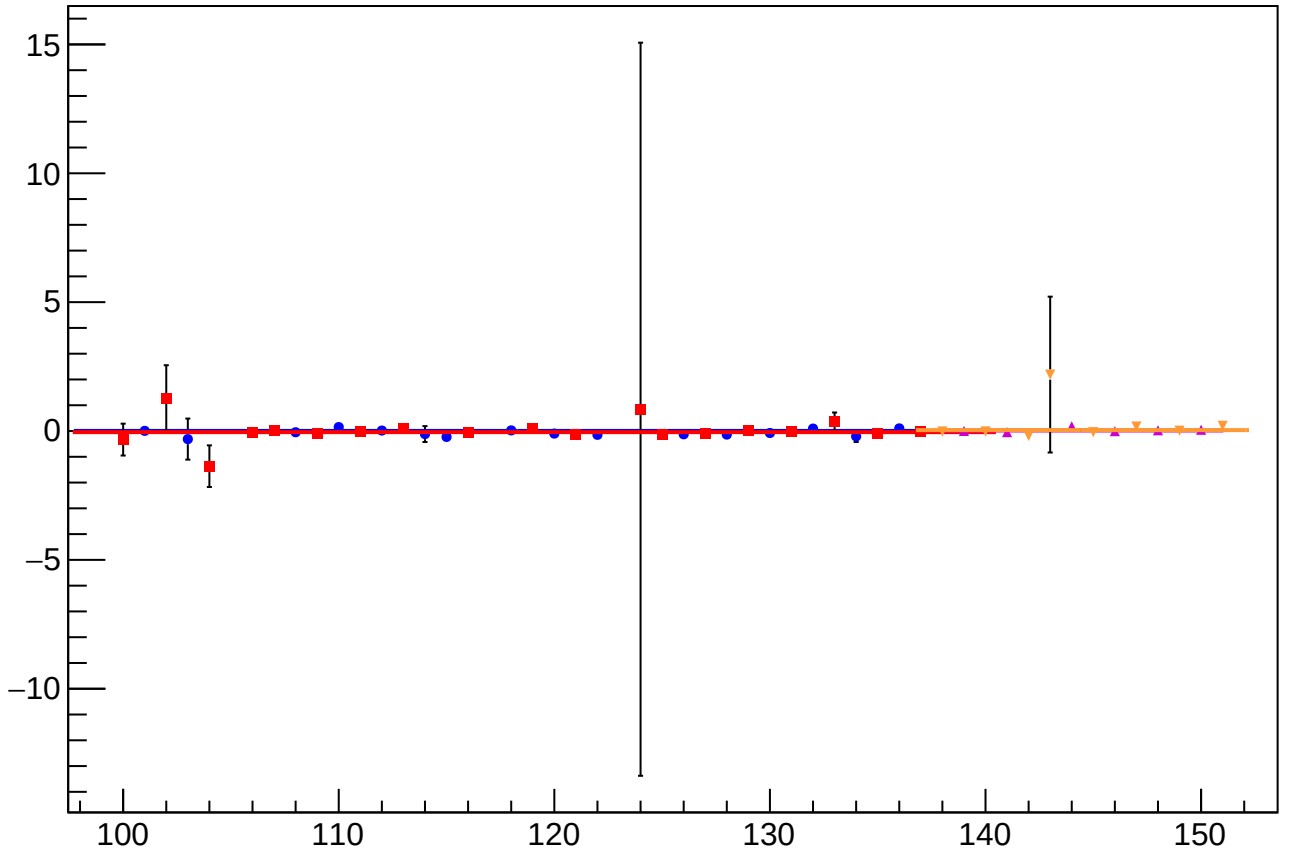
Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 57.735+/-0.020 χ^2/NDF:728040.2/5

+ sign 59.228+/-0.013 χ^2/NDF: 4991082.8/23

All: 57.175+/-0.009 χ^2/NDF: 9740952.0/48

- sign 55.207+/-0.013 χ^2/NDF: 4703846.0/24



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.035+/-0.026 χ^2/NDF:14.5/7

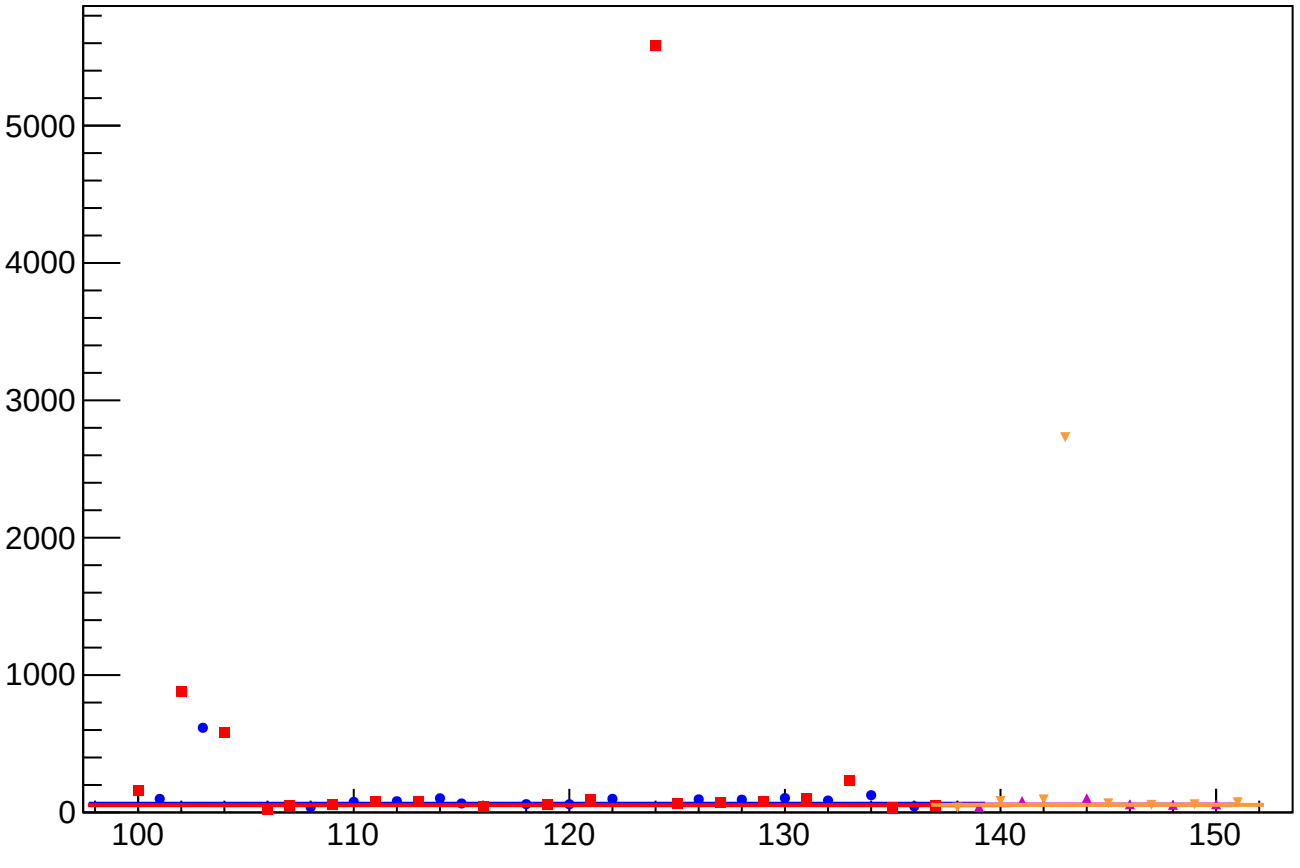
Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: 0.021+/-0.028 χ^2/NDF:3.1/5

+ sign 0.020+/-0.019 χ^2/NDF: 28.5/23

All: 0.002+/-0.013 χ^2/NDF: 48.9/48

- sign -0.015+/-0.019 χ^2/NDF: 18.7/24



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 55.251+/-0.019 χ^2/NDF:2452812.1/7

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

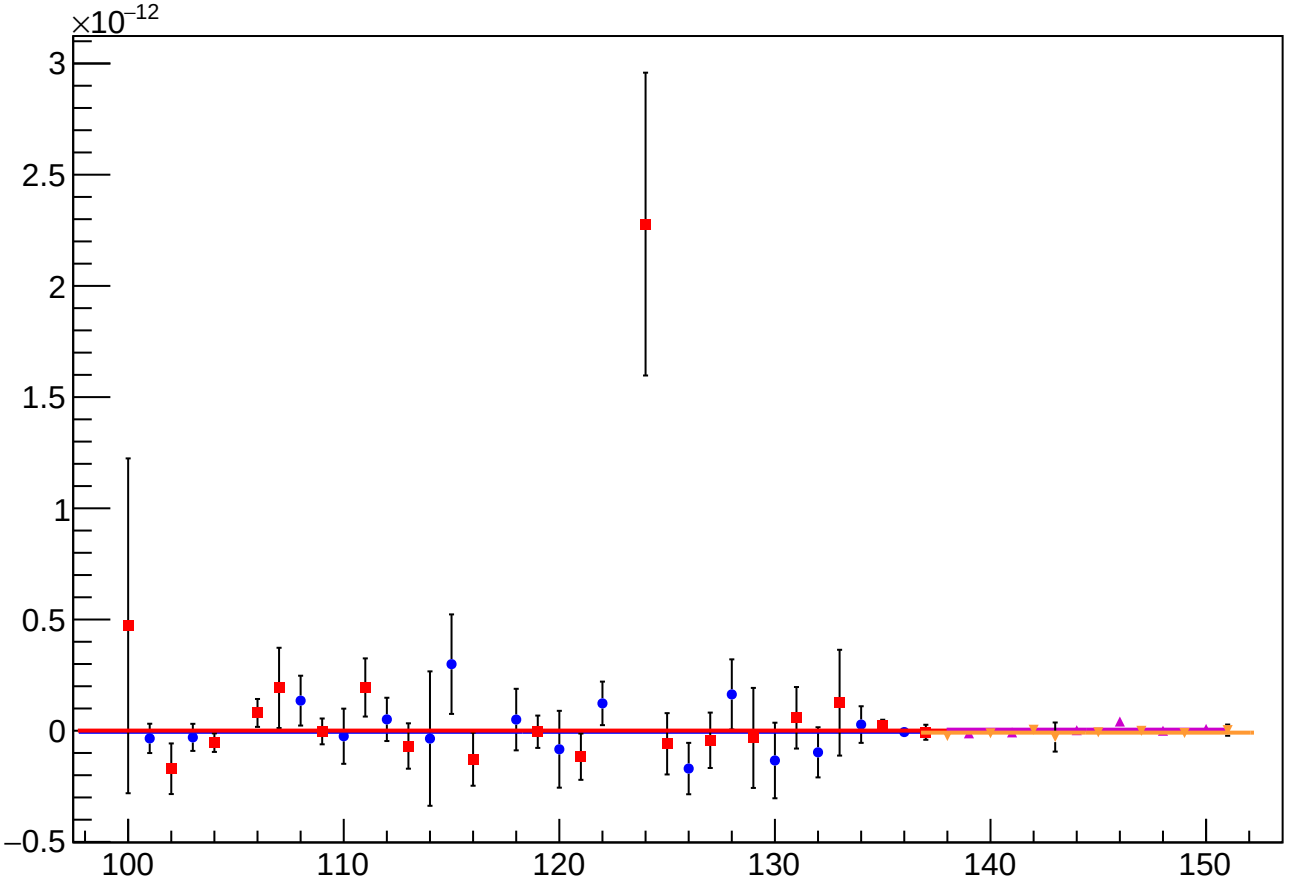
Left In: 57.735+/-0.020 χ^2/NDF:728040.2/5

+ sign 59.228+/-0.013 χ^2/NDF: 4991082.8/23

All: 57.175+/-0.009 χ^2/NDF: 9740952.0/48

- sign 55.207+/-0.013 χ^2/NDF: 4703846.0/24

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:2.1/7

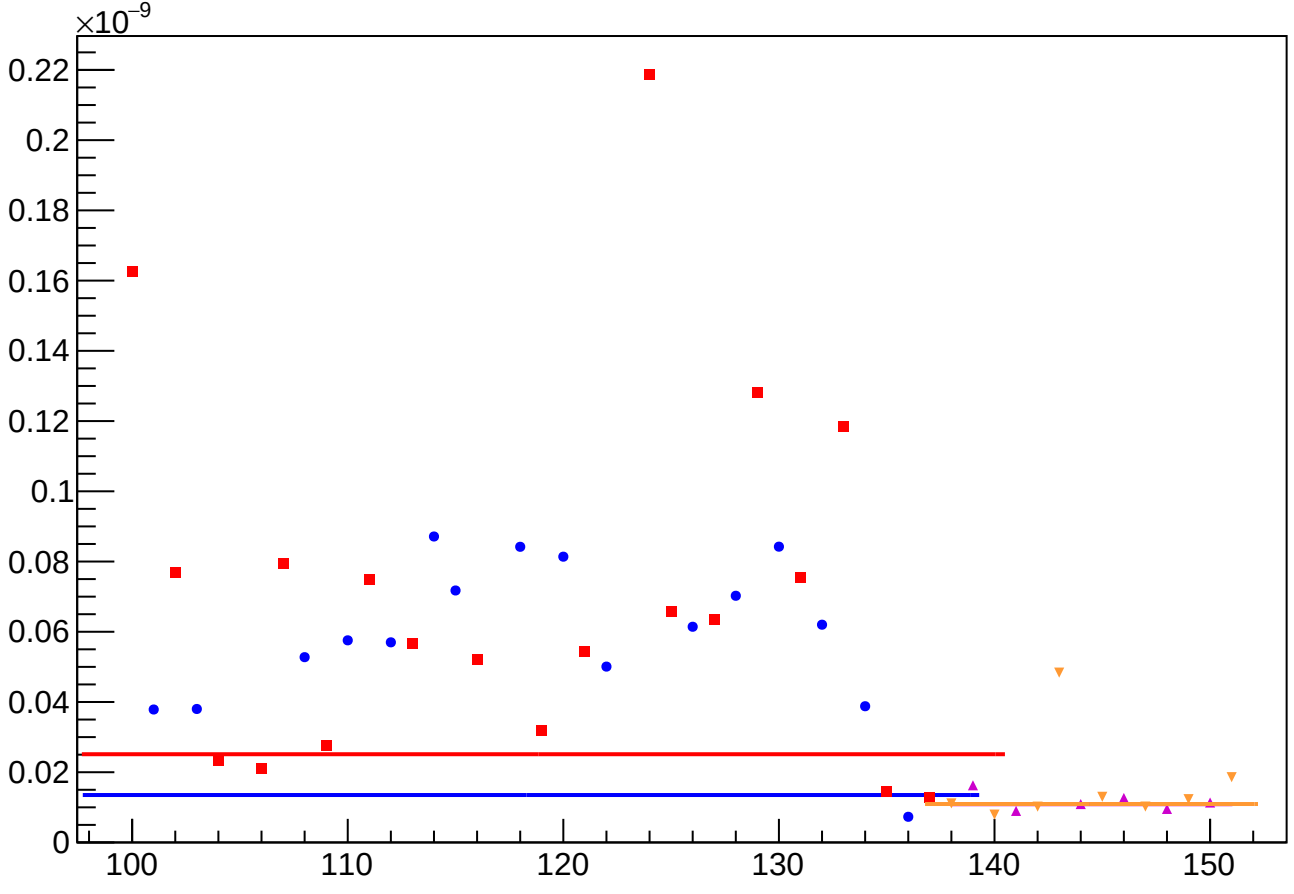
Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:7.0/5

+ sign -0.000+/-0.000 χ^2/NDF: 13.0/23

All: -0.000+/-0.000 χ^2/NDF: 47.7/48

- sign 0.000+/-0.000 χ^2/NDF: 32.1/24



Right In: 0.000+/-0.000 χ^2/NDF: 4993378.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1063942.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 3578472.9/18

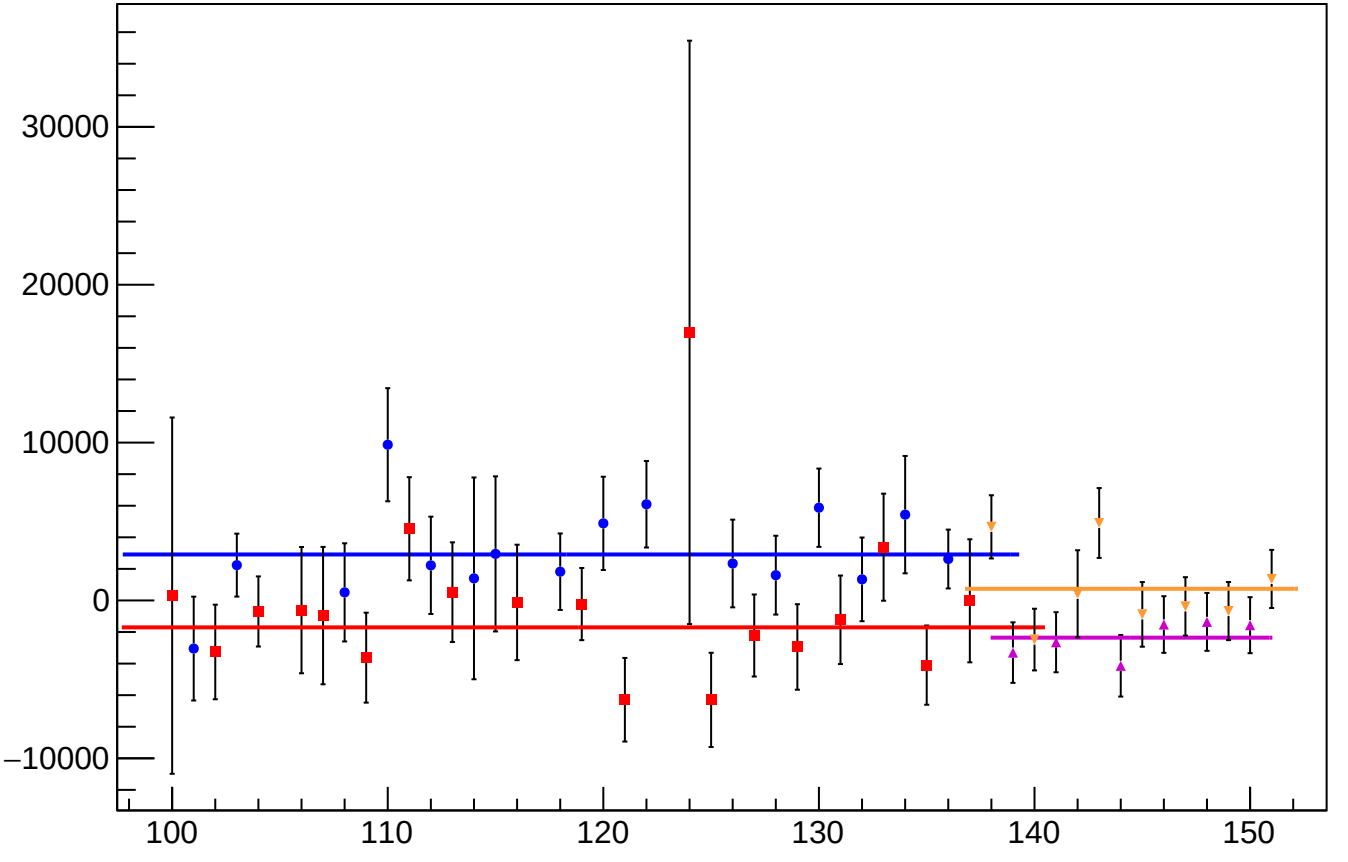
Left In: 0.000+/-0.000 χ^2/NDF:215975.0/5

+ sign 0.000+/-0.000 χ^2/NDF: 6152386.7/23

All: 0.000+/-0.000 χ^2/NDF: 11550411.3/48

- sign 0.000+/-0.000 χ^2/NDF: 5338328.0/24

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 739.429+/-712.889 χ^2/NDF:11.8/7

Right Out: -1704.904+/-706.846 χ^2/NDF: 15.8/18

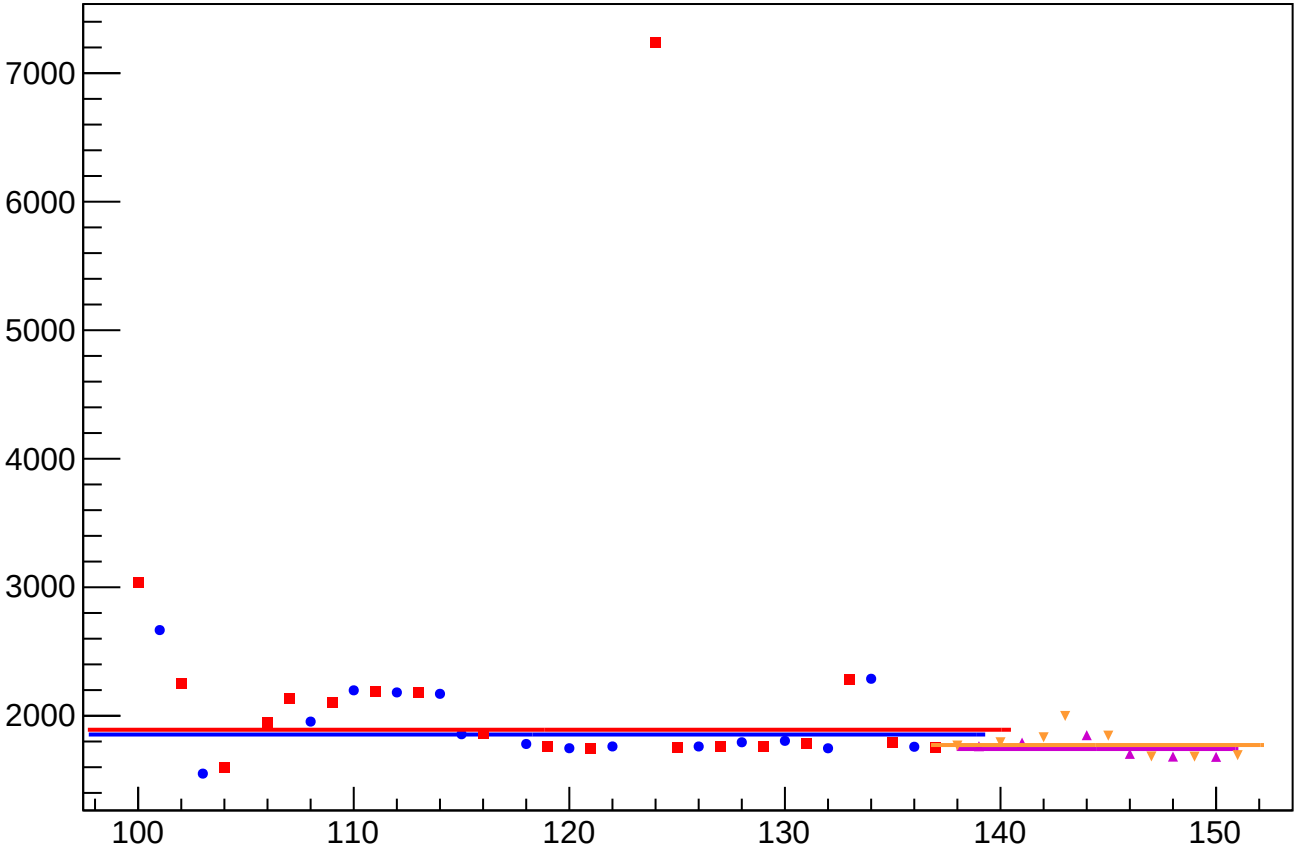
Left In: -2357.193+/-758.852 χ^2/NDF:1.8/5

+ sign 1853.727+/-497.666 χ^2/NDF: 29.0/23

All: -2.710+/-358.618 χ^2/NDF: 76.0/48

- sign -2007.933+/-517.225 χ^2/NDF: 18.0/24

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1772.596+/-0.504 χ^2/NDF:37694.0/7

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

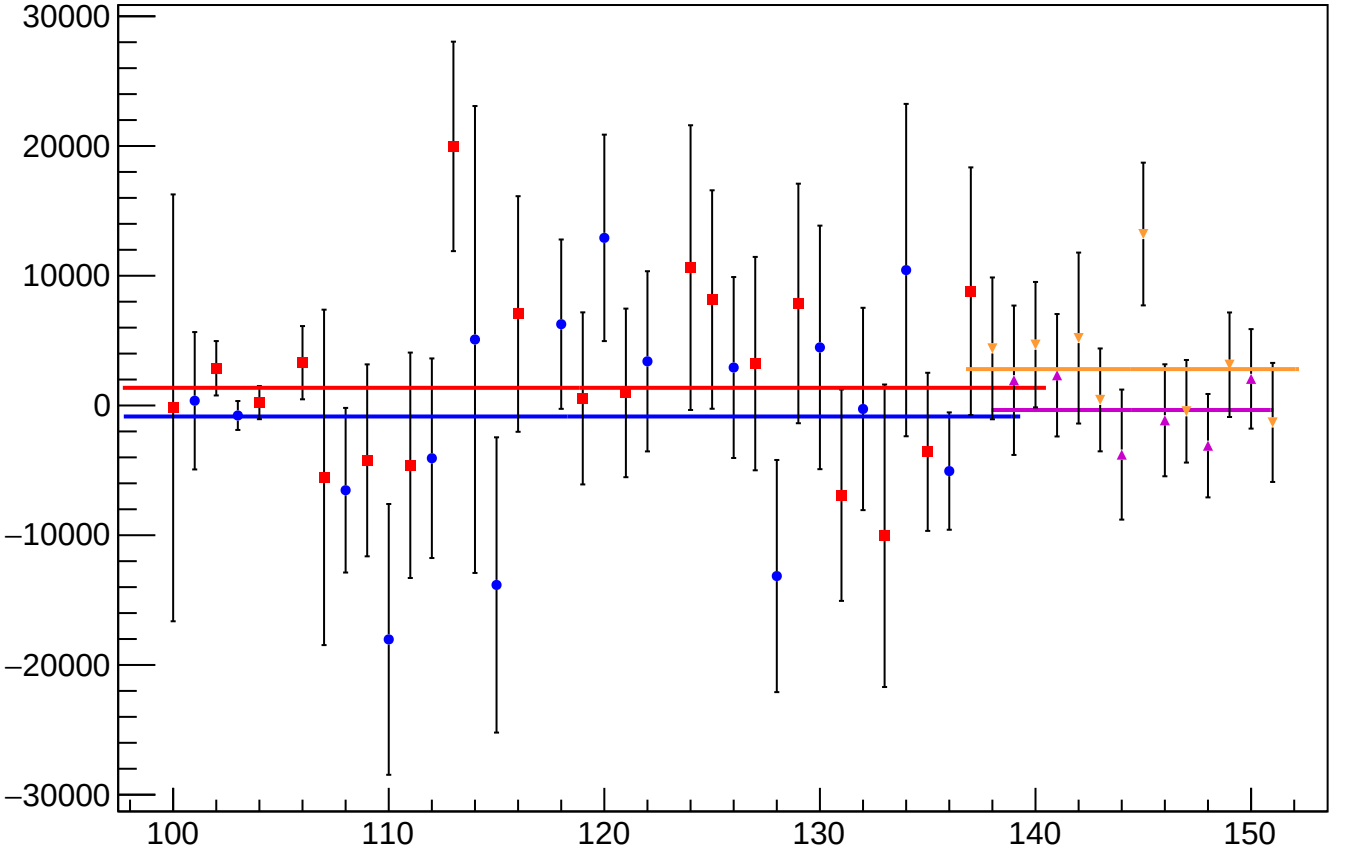
Left In: 1741.385+/-0.537 χ^2/NDF:13029.7/5

+ sign 1814.489+/-0.352 χ^2/NDF: 314489.1/23

All: 1818.066+/-0.253 χ^2/NDF: 733762.4/48

- sign 1821.919+/-0.365 χ^2/NDF: 419058.8/24

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: -847.977+/-962.920 χ^2/NDF: 13.9/15

Left Out: 2803.734+/-1646.101 χ^2/NDF:5.8/7

Right Out: 1361.523+/-915.925 χ^2/NDF: 14.0/18

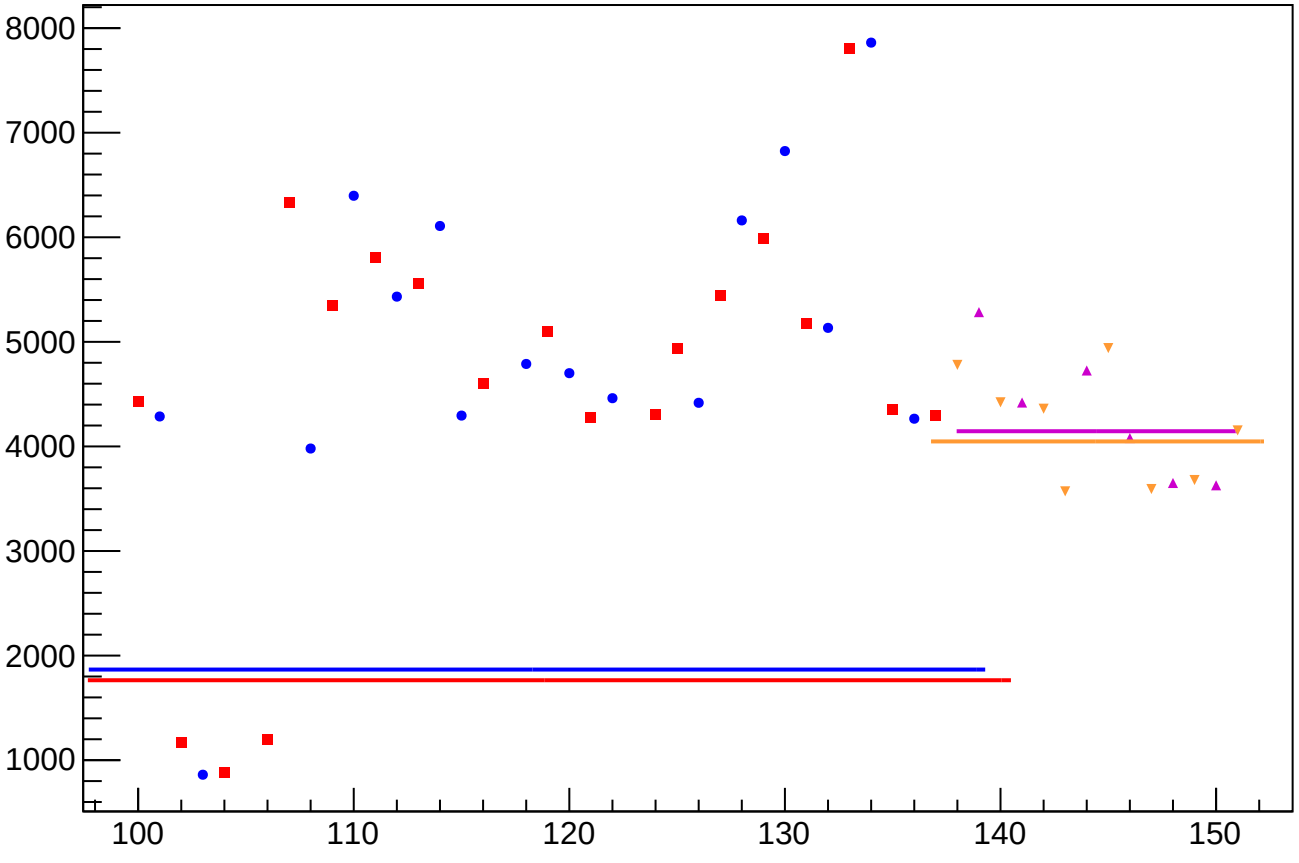
Left In: -347.777+/-1827.113 χ^2/NDF:1.9/5

+ sign 83.023+/-831.157 χ^2/NDF: 23.3/23

All: 557.636+/-583.300 χ^2/NDF: 40.5/48

- sign 1018.245+/-818.803 χ^2/NDF: 16.6/24

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4047.837+/-1.164 χ^2/NDF:178341.0/7

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

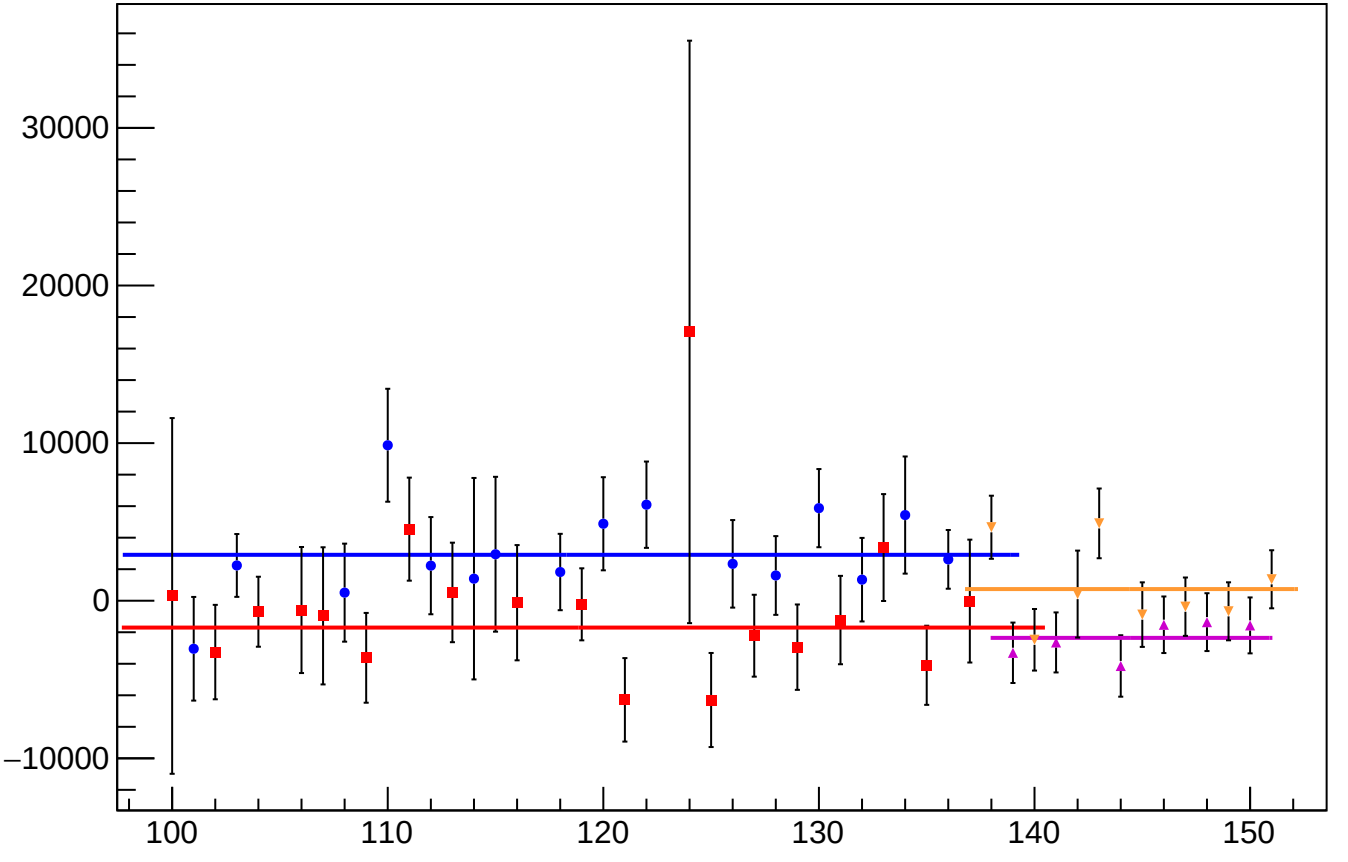
Left In: 4145.428+/-1.292 χ^2/NDF:179538.8/5

+ sign 2422.559+/-0.588 χ^2/NDF: 9644875.6/23

All: 2331.174+/-0.412 χ^2/NDF: 19021492.7/4

- sign 2242.486+/-0.579 χ^2/NDF: 9328975.8/24

cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 739.231+/-712.889 χ^2/NDF:11.8/7

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

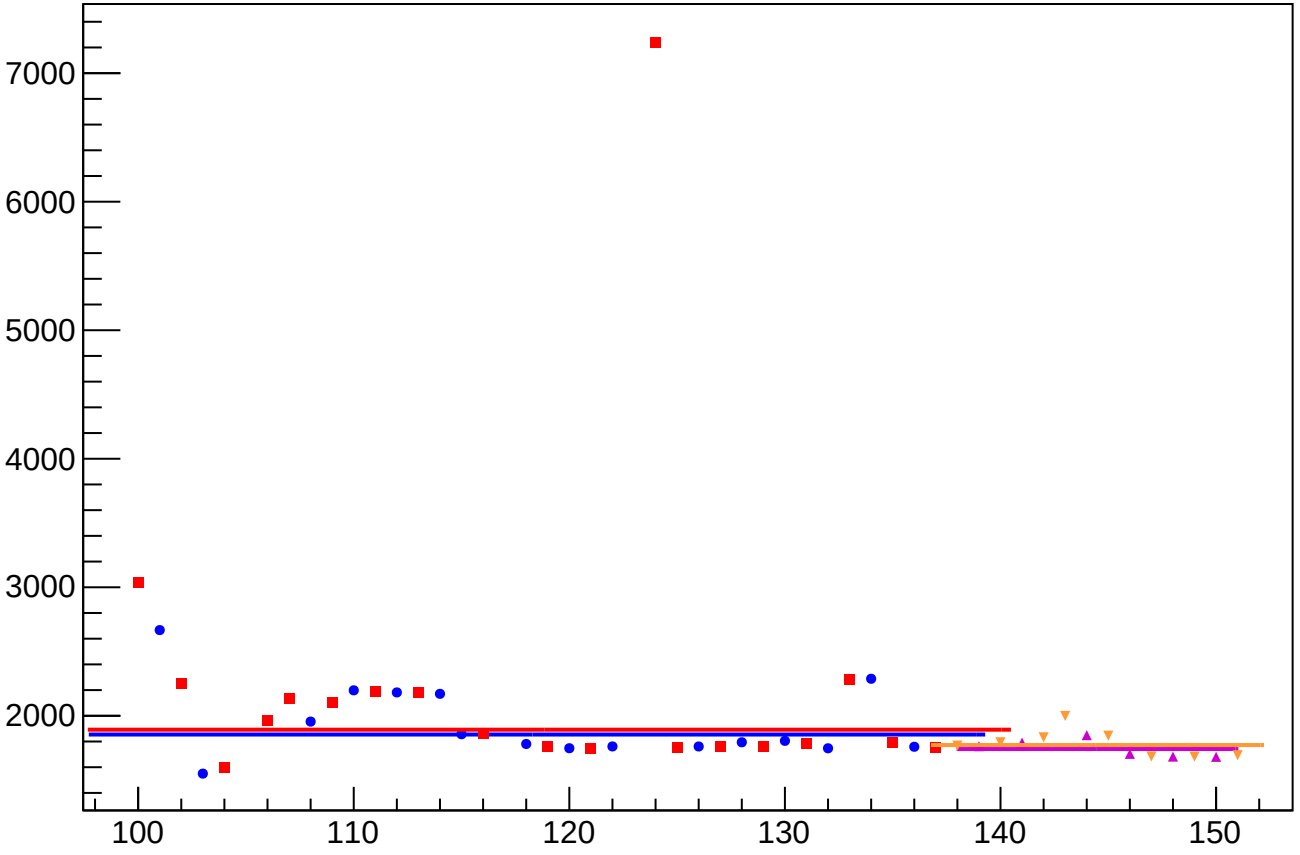
Left In: -2357.397+/-758.852 χ^2/NDF:1.8/5

+ sign 1853.682+/-497.666 χ^2/NDF: 29.0/23

All: -2.423+/-358.618 χ^2/NDF: 76.0/48

- sign -2007.289+/-517.225 χ^2/NDF: 18.0/24

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1772.596+/-0.504 χ^2/NDF:37694.0/7

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

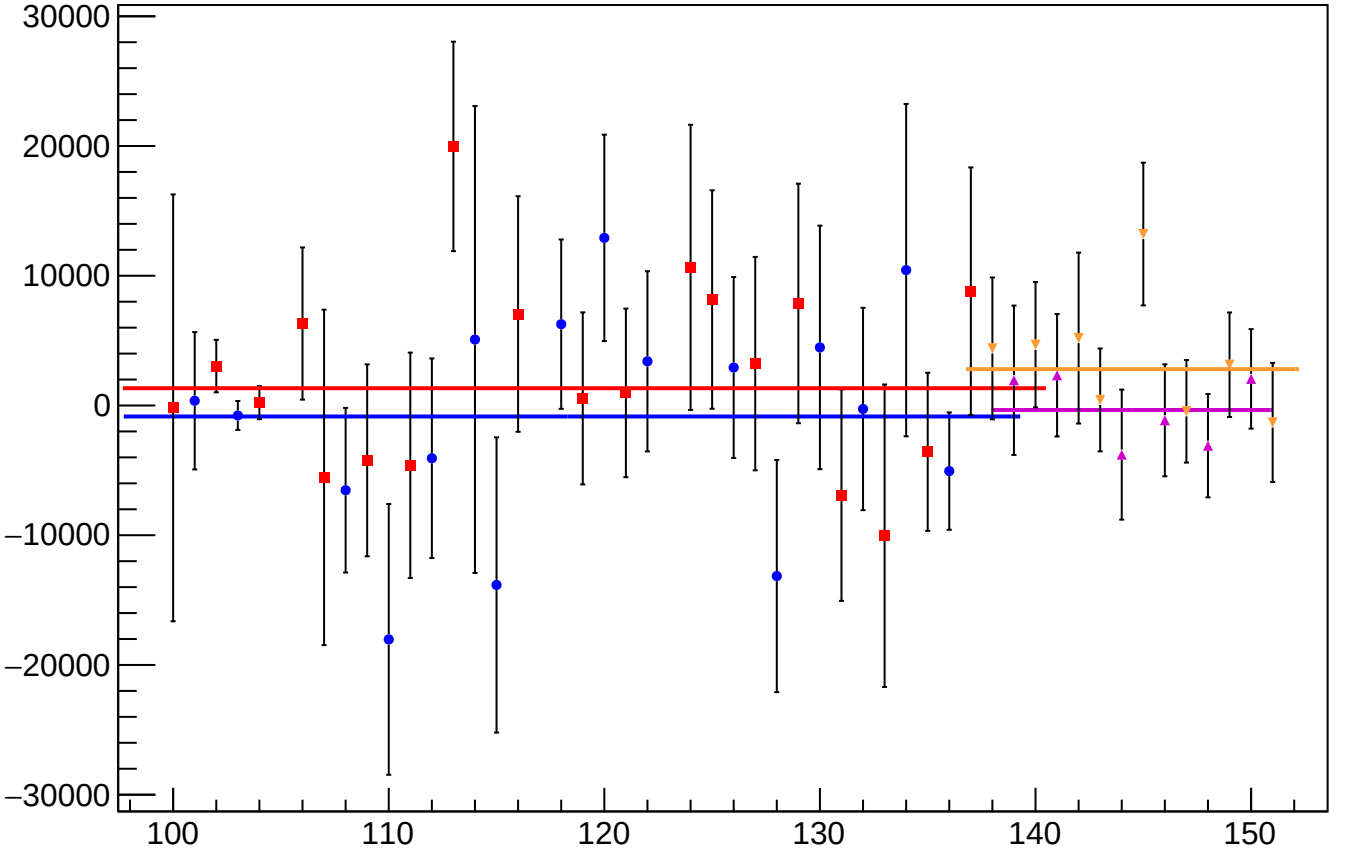
Left In: 1741.385+/-0.537 χ^2/NDF:13029.7/5

+ sign 1814.489+/-0.352 χ^2/NDF: 314489.0/23

All: 1818.175+/-0.253 χ^2/NDF: 734265.1/48

- sign 1822.148+/-0.365 χ^2/NDF: 419548.2/24

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 2803.613+/-1646.097 χ^2/NDF:5.8/7

Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

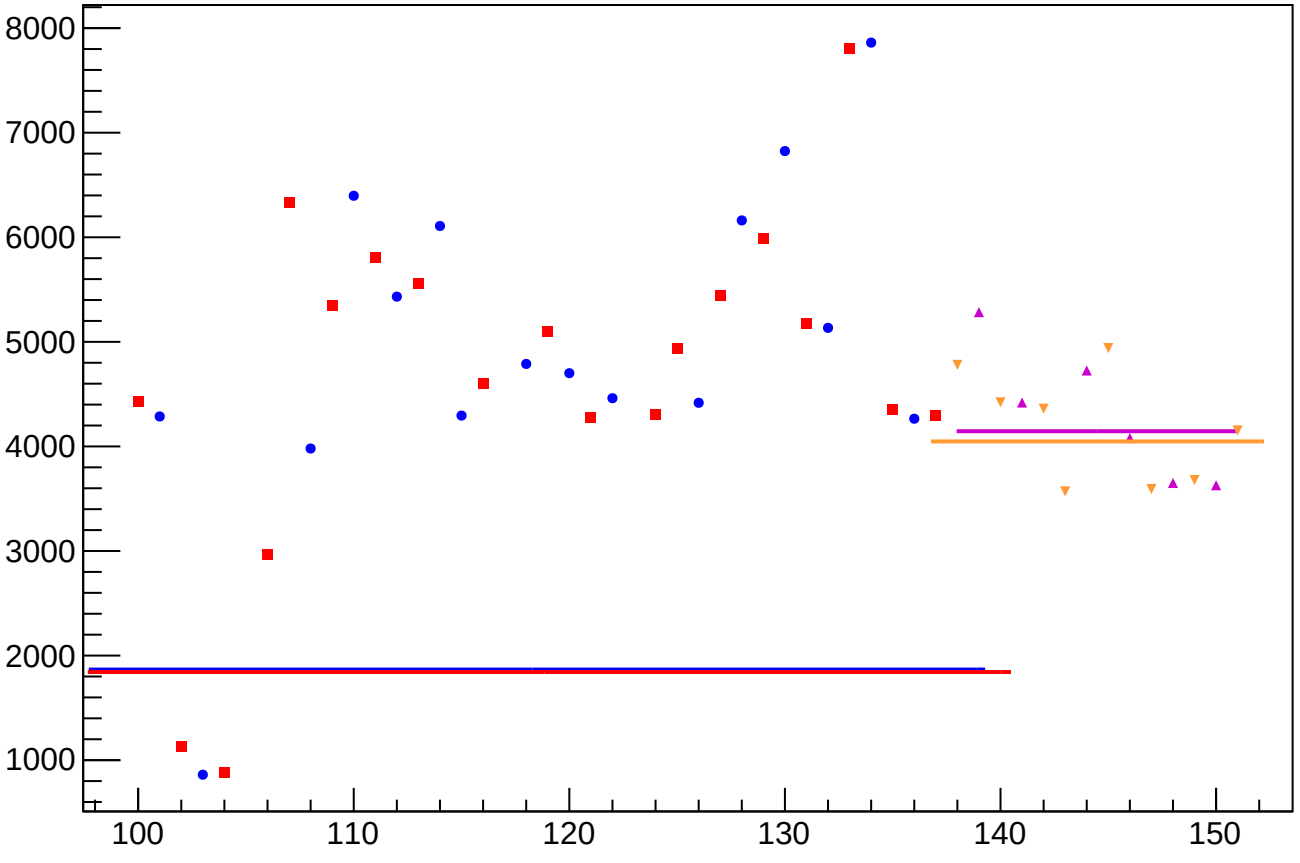
Left In: -347.962+/-1827.111 χ^2/NDF:1.9/5

+ sign 83.271+/-831.122 χ^2/NDF: 23.3/23

All: 523.593+/-591.359 χ^2/NDF: 40.8/48

- sign 975.077+/-841.591 χ^2/NDF: 16.9/24

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4047.828+/-1.164 χ^2/NDF:178343.1/7

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

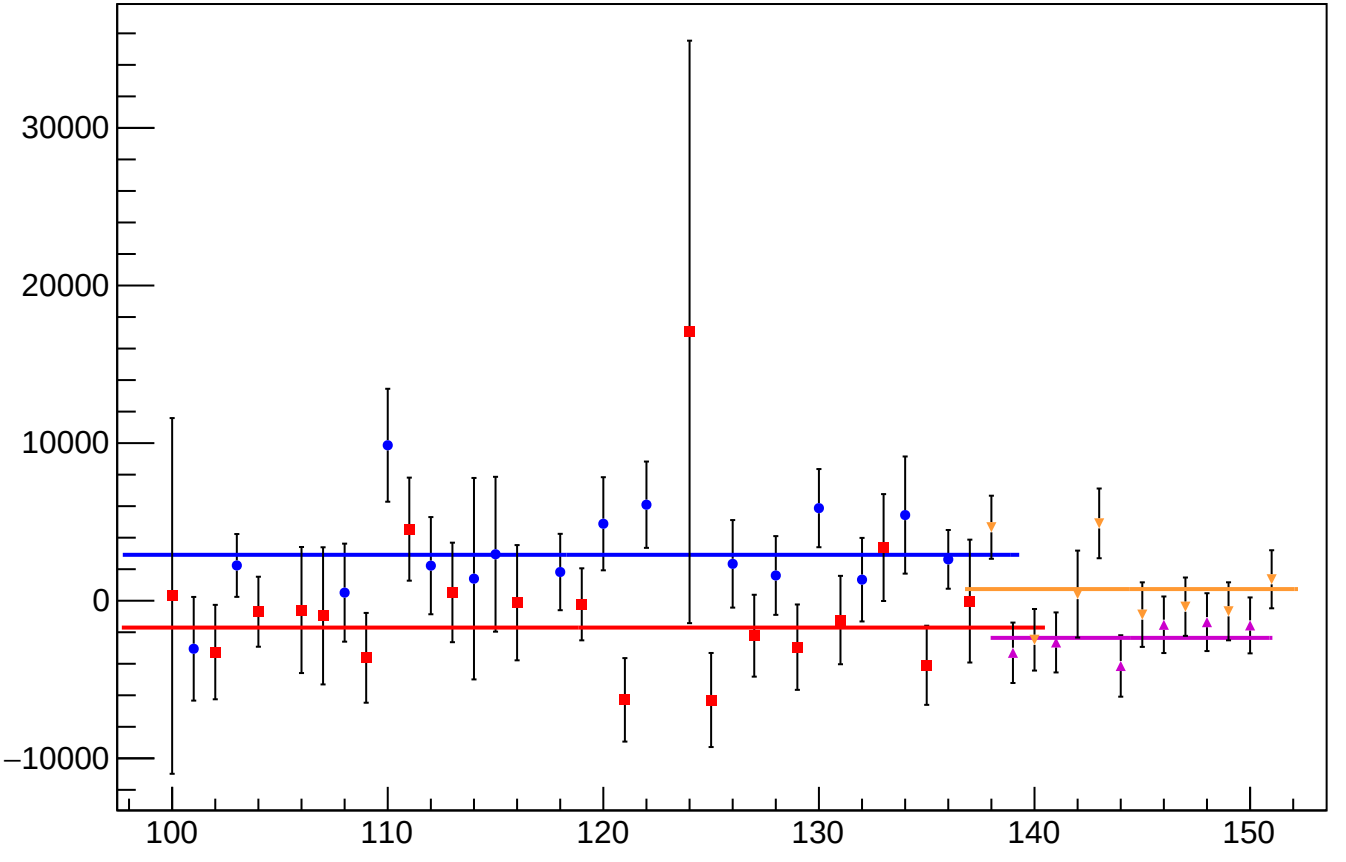
Left In: 4145.422+/-1.292 χ^2/NDF:179539.4/5

+ sign 2422.398+/-0.588 χ^2/NDF: 9645731.0/23

All: 2377.468+/-0.418 χ^2/NDF: 18797927.6/4

- sign 2331.398+/-0.595 χ^2/NDF: 9140358.5/24

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 739.231+/-712.889 χ^2/NDF:11.8/7

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

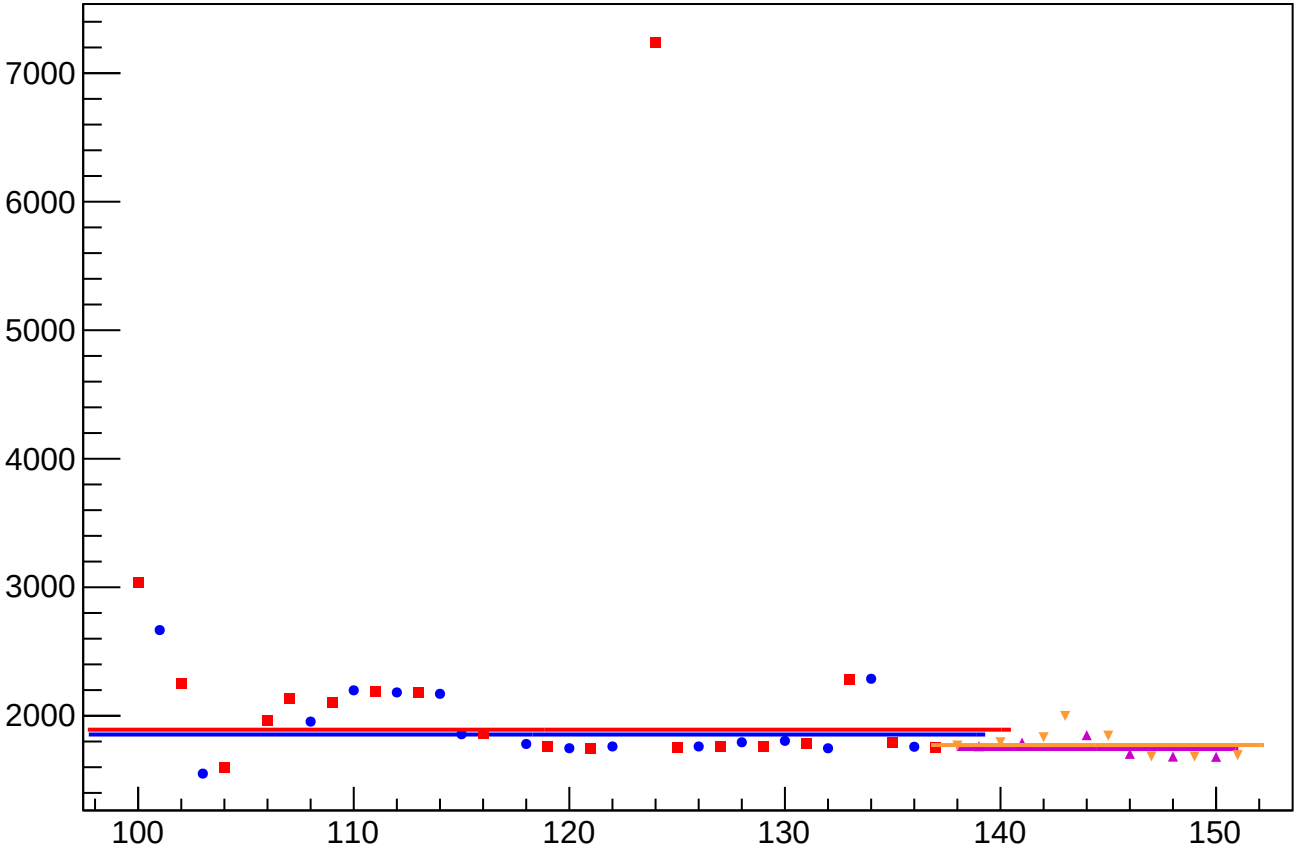
Left In: -2357.397+/-758.852 χ^2/NDF:1.8/5

+ sign 1853.682+/-497.666 χ^2/NDF: 29.0/23

All: -2.423+/-358.618 χ^2/NDF: 76.0/48

- sign -2007.289+/-517.225 χ^2/NDF: 18.0/24

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1772.596+/-0.504 χ^2/NDF:37694.0/7

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

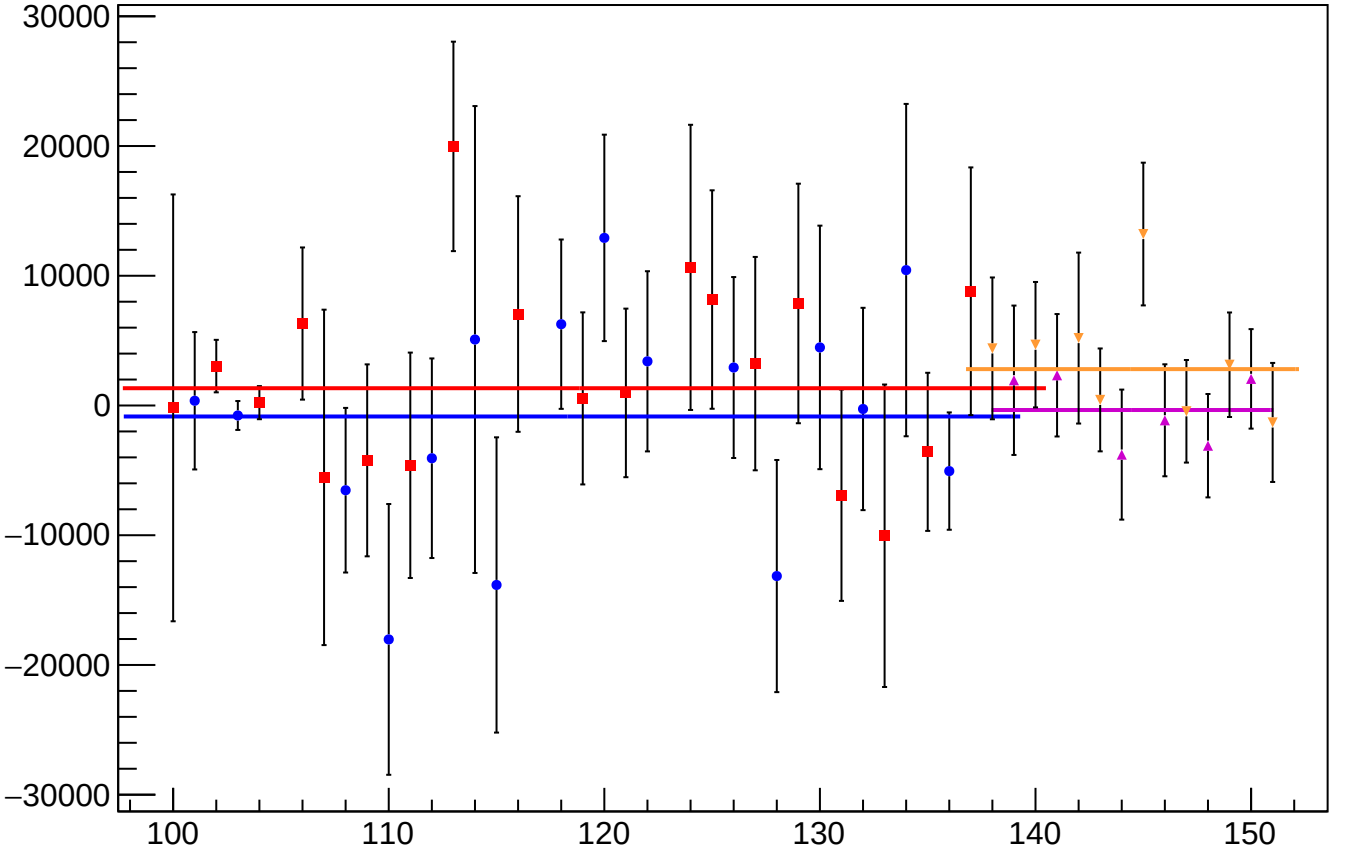
Left In: 1741.385+/-0.537 χ^2/NDF:13029.7/5

+ sign 1814.489+/-0.352 χ^2/NDF: 314489.0/23

All: 1818.175+/-0.253 χ^2/NDF: 734265.1/48

- sign 1822.148+/-0.365 χ^2/NDF: 419548.2/24

asym_atl1r2_avg_eigen_cor_correction_mean vs Slug



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 2803.613+/-1646.097 χ^2/NDF:5.8/7

Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

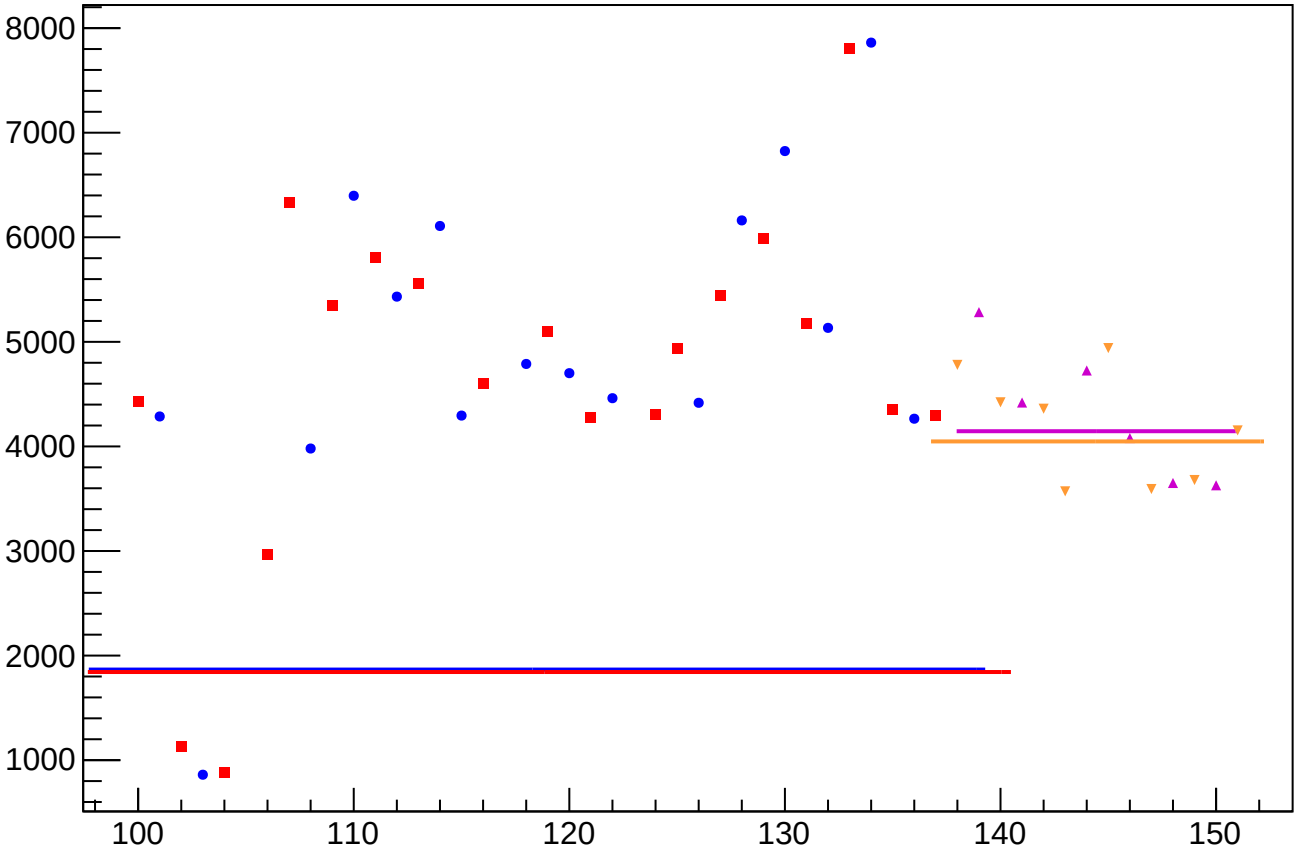
Left In: -347.962+/-1827.111 χ^2/NDF:1.9/5

\+ sign 83.271+/-831.122 χ^2/NDF: 23.3/23

All: 523.593+/-591.359 χ^2/NDF: 40.8/48

\- sign 975.077+/-841.591 χ^2/NDF: 16.9/24

asym_atl1r2_avg_eigen_cor_correction_rms vs Slug



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4047.828+/-1.164 χ^2/NDF:178343.1/7

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

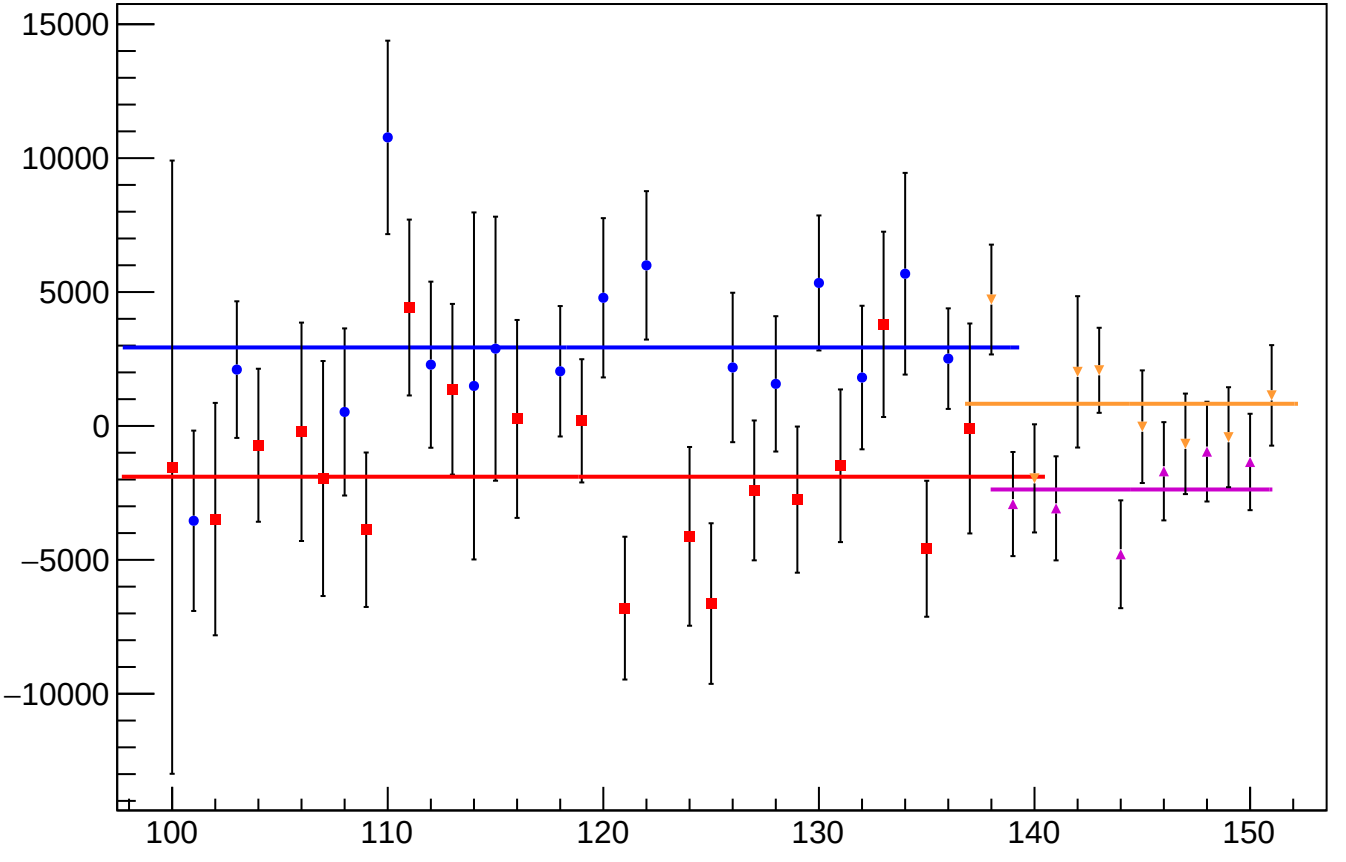
Left In: 4145.422+/-1.292 χ^2/NDF:179539.4/5

+ sign 2422.398+/-0.588 χ^2/NDF: 9645731.0/23

All: 2377.468+/-0.418 χ^2/NDF: 18797927.6/4

- sign 2331.398+/-0.595 χ^2/NDF: 9140358.5/24

dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 828.048+/-692.385 χ^2/NDF:7.6/7

Right Out: -1895.503+/-721.954 χ^2/NDF: 17.4/18

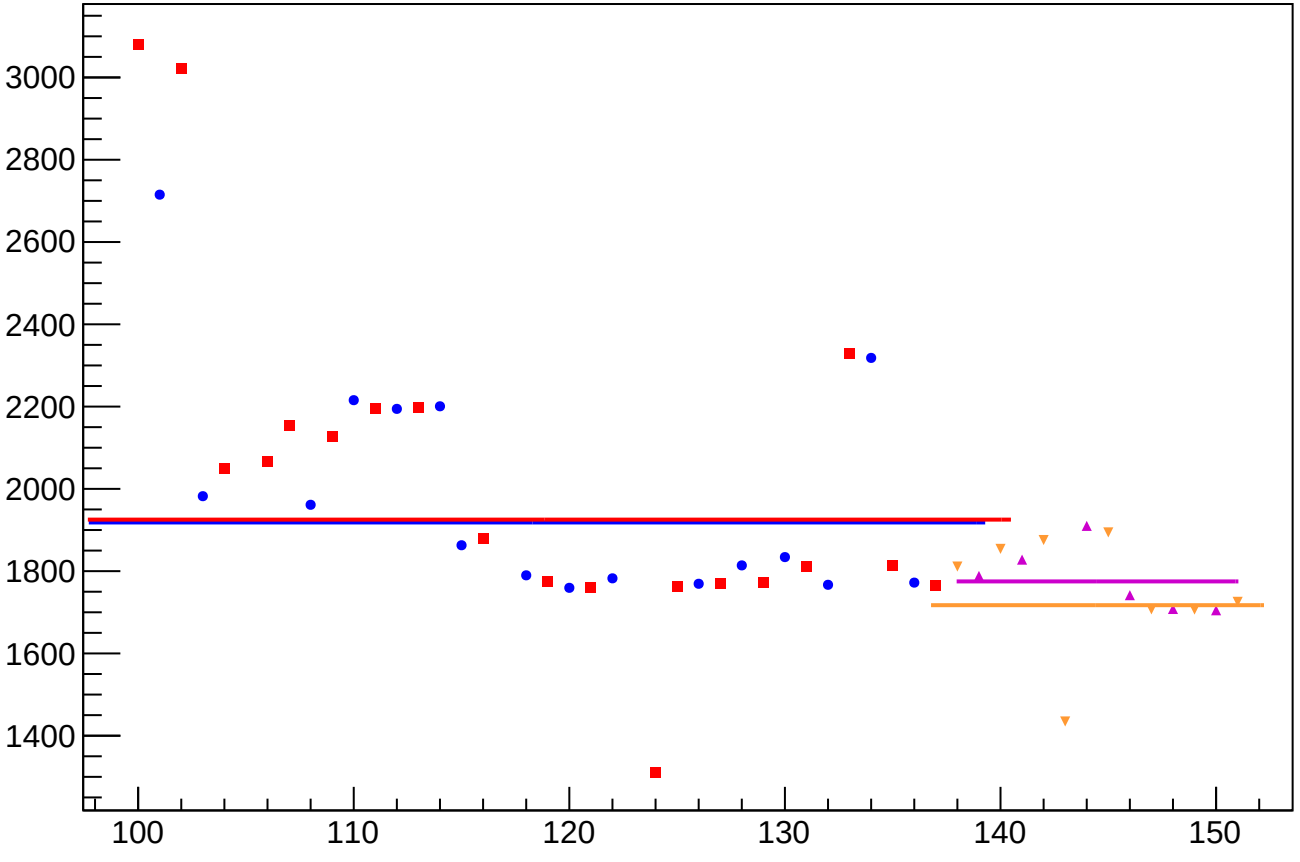
Left In: -2372.351+/-773.706 χ^2/NDF:2.7/5

+ sign 1841.229+/-498.502 χ^2/NDF: 25.0/23

All: -25.018+/-362.424 χ^2/NDF: 75.0/48

- sign -2117.447+/-527.846 χ^2/NDF: 20.3/24

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1717.271+/-0.490 χ^2/NDF:97362.1/7

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

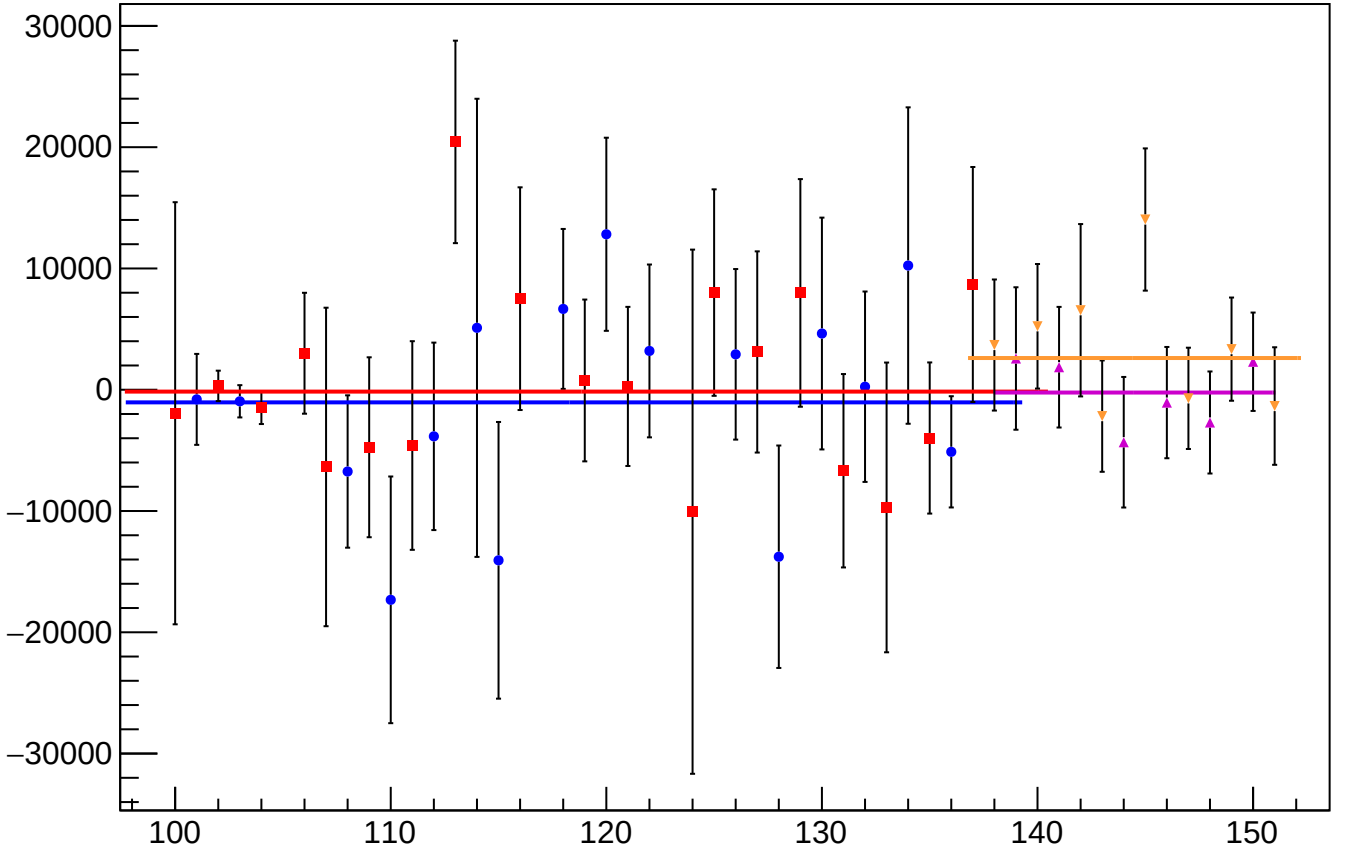
Left In: 1775.049+/-0.547 χ^2/NDF:16862.9/5

+ sign 1814.125+/-0.352 χ^2/NDF: 394211.3/23

All: 1833.596+/-0.256 χ^2/NDF: 796966.6/48

- sign 1855.407+/-0.373 χ^2/NDF: 396286.3/24

asym_atl1r2_avg_dit_correction_mean vs Slug



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 2614.559+/-1757.844 χ^2/NDF:6.8/7

Right Out: -153.619+/-835.656 χ^2/NDF: 13.7/18

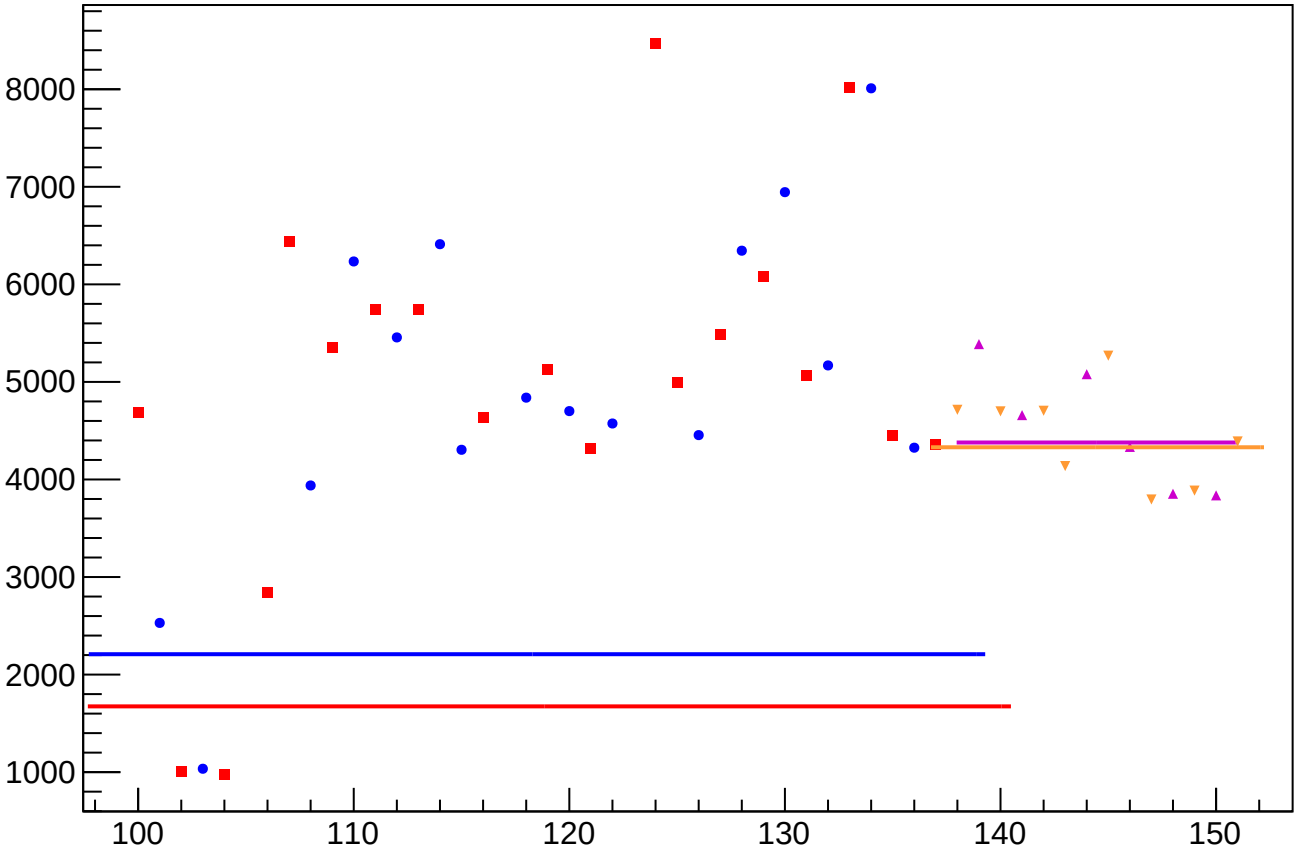
Left In: -231.733+/-1928.984 χ^2/NDF:1.8/5

+ sign -50.147+/-915.489 χ^2/NDF: 23.8/23

All: -118.212+/-587.839 χ^2/NDF: 39.3/48

- sign -165.963+/-766.795 χ^2/NDF: 15.5/24

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4330.097+/-1.243 χ^2/NDF:135668.5/7

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

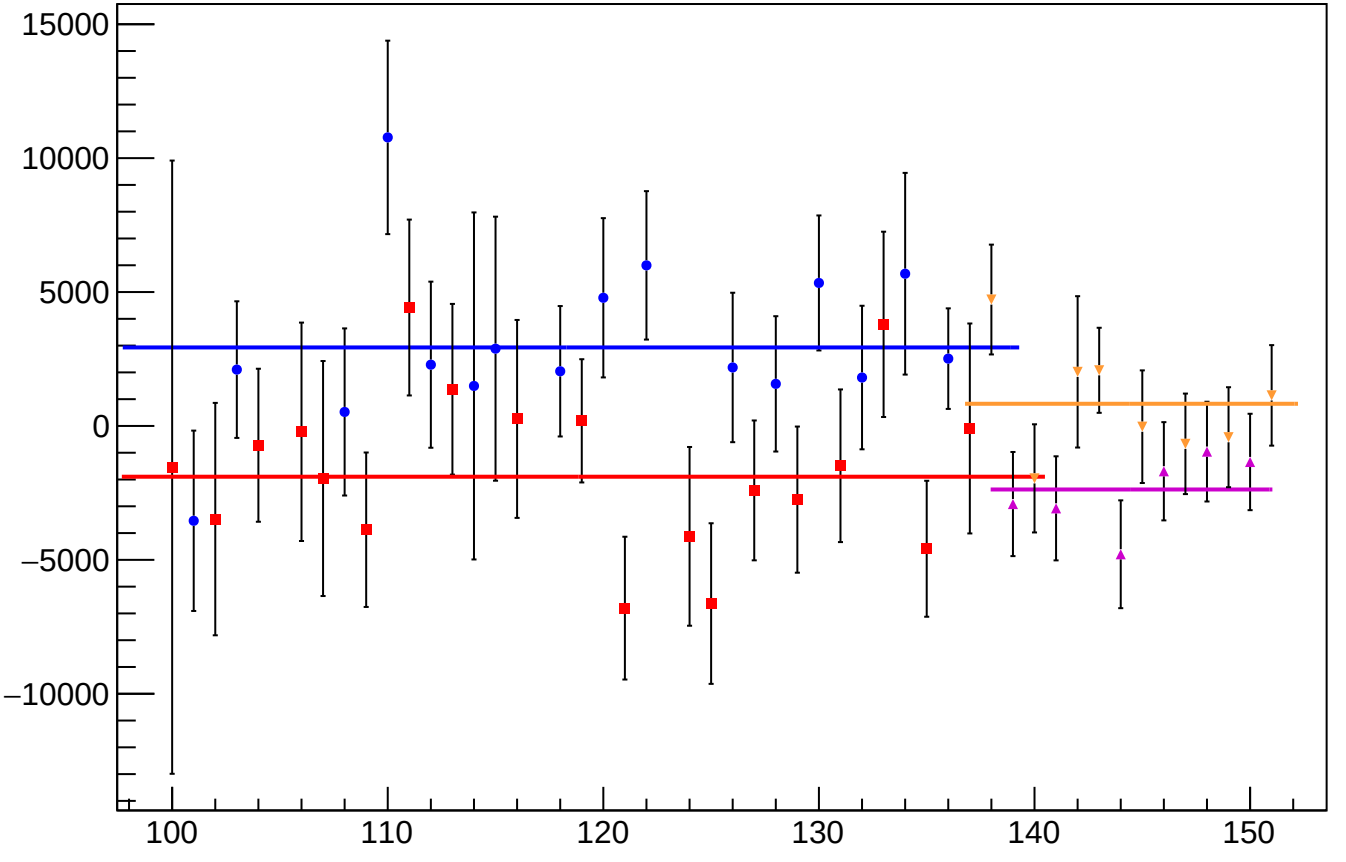
Left In: 4379.002+/-1.364 χ^2/NDF:166298.9/5

+ sign 2784.251+/-0.647 χ^2/NDF: 7757015.1/23

All: 2383.037+/-0.416 χ^2/NDF: 18741138.1/4

- sign 2101.570+/-0.542 χ^2/NDF: 10330514.3/24

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.693+/-718.305 χ^2/NDF: 13.0/15

Left Out: 828.047+/-692.385 χ^2/NDF:7.6/7

Right Out: -1895.508+/-721.953 χ^2/NDF: 17.4/18

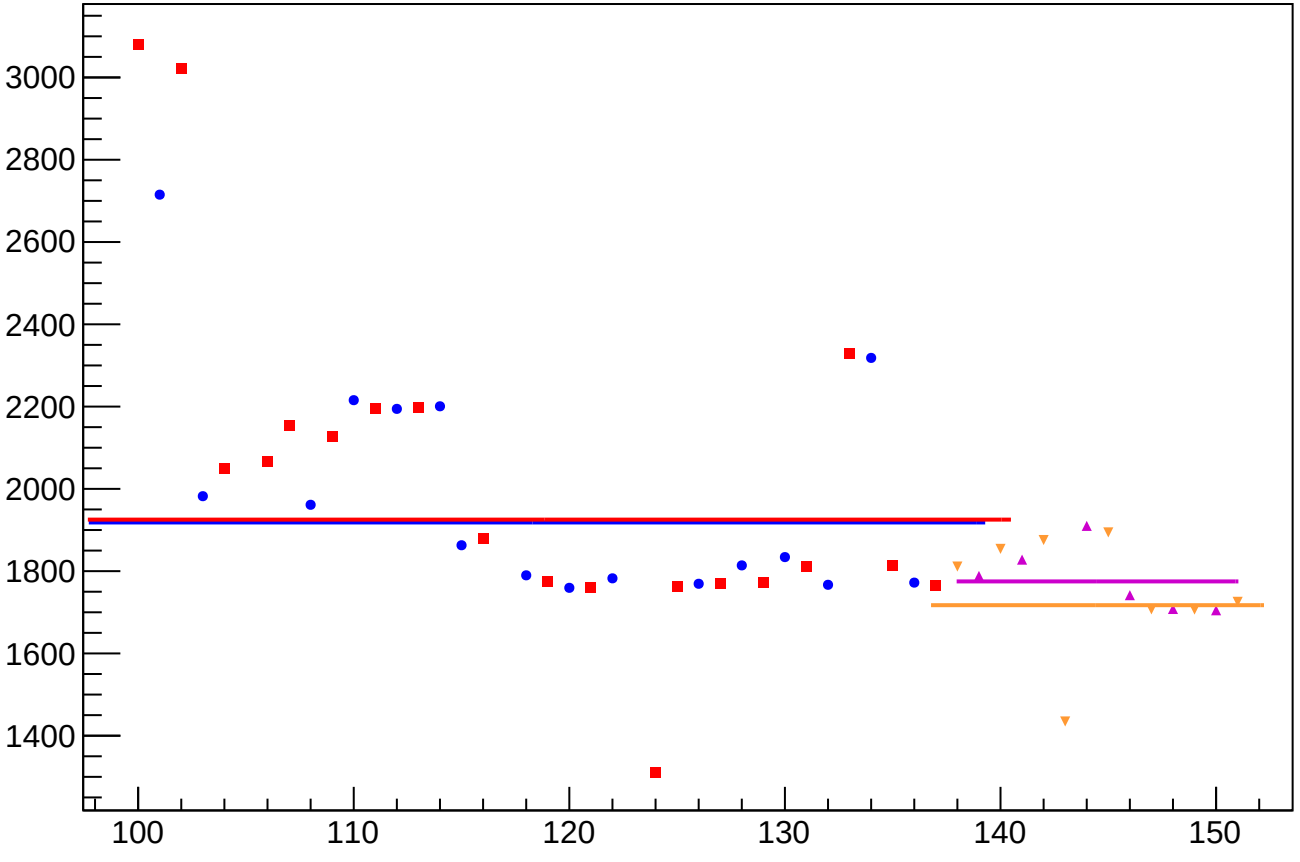
Left In: -2372.348+/-773.706 χ^2/NDF:2.7/5

+ sign 1841.231+/-498.502 χ^2/NDF: 25.0/23

All: -25.017+/-362.424 χ^2/NDF: 75.0/48

- sign -2117.448+/-527.847 χ^2/NDF: 20.3/24

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1717.272+/-0.490 χ^2/NDF:97361.2/7

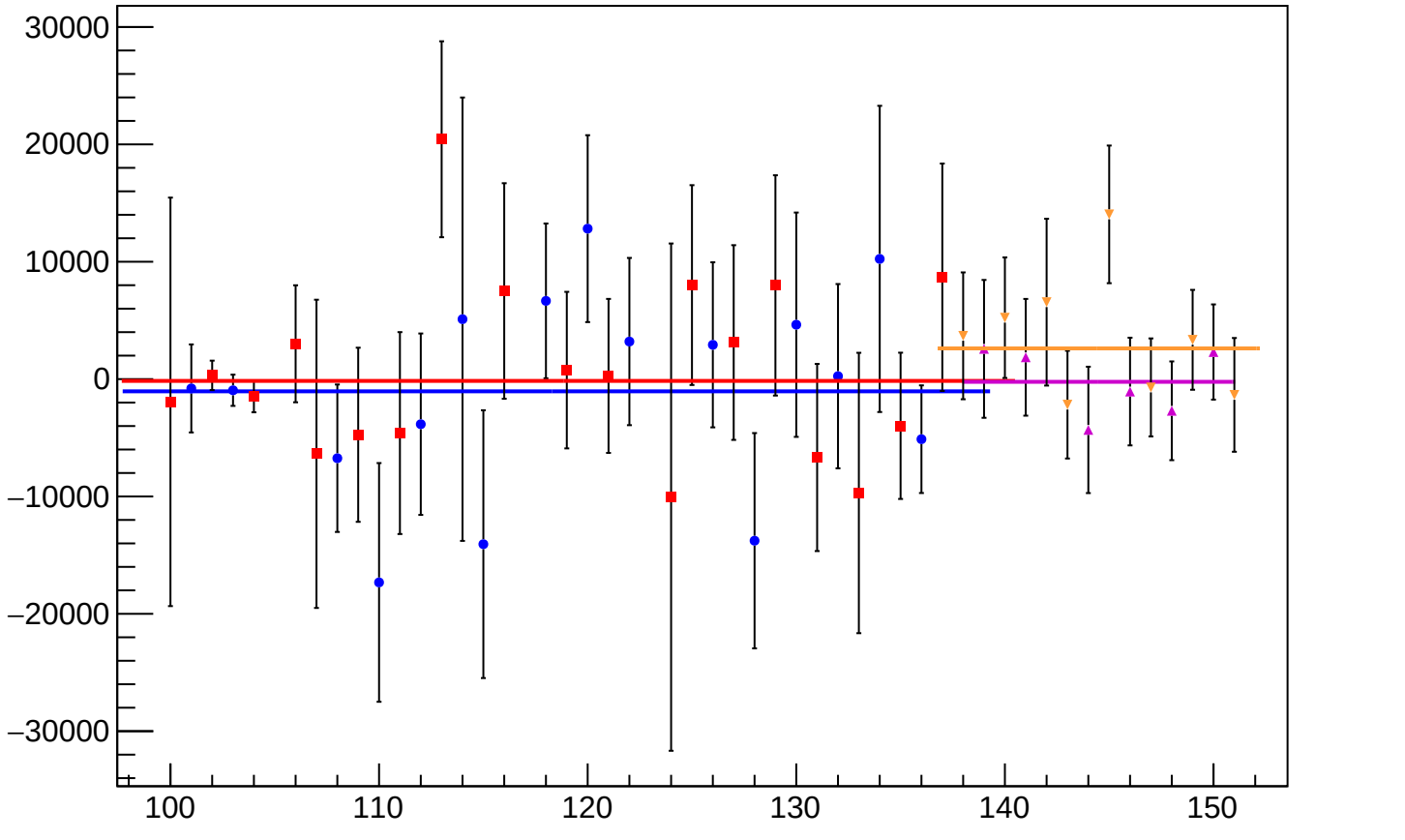
Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

Left In: 1775.050+/-0.547 χ^2/NDF:16862.8/5

\+ sign 1814.126+/-0.352 χ^2/NDF: 394209.1/23

All: 1833.596+/-0.256 χ^2/NDF: 796962.4/48

\- sign 1855.407+/-0.373 χ^2/NDF: 396284.4/24



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 2614.560+/-1757.847 χ^2/NDF:6.8/7

Right Out: -153.614+/-835.655 χ^2/NDF: 13.7/18

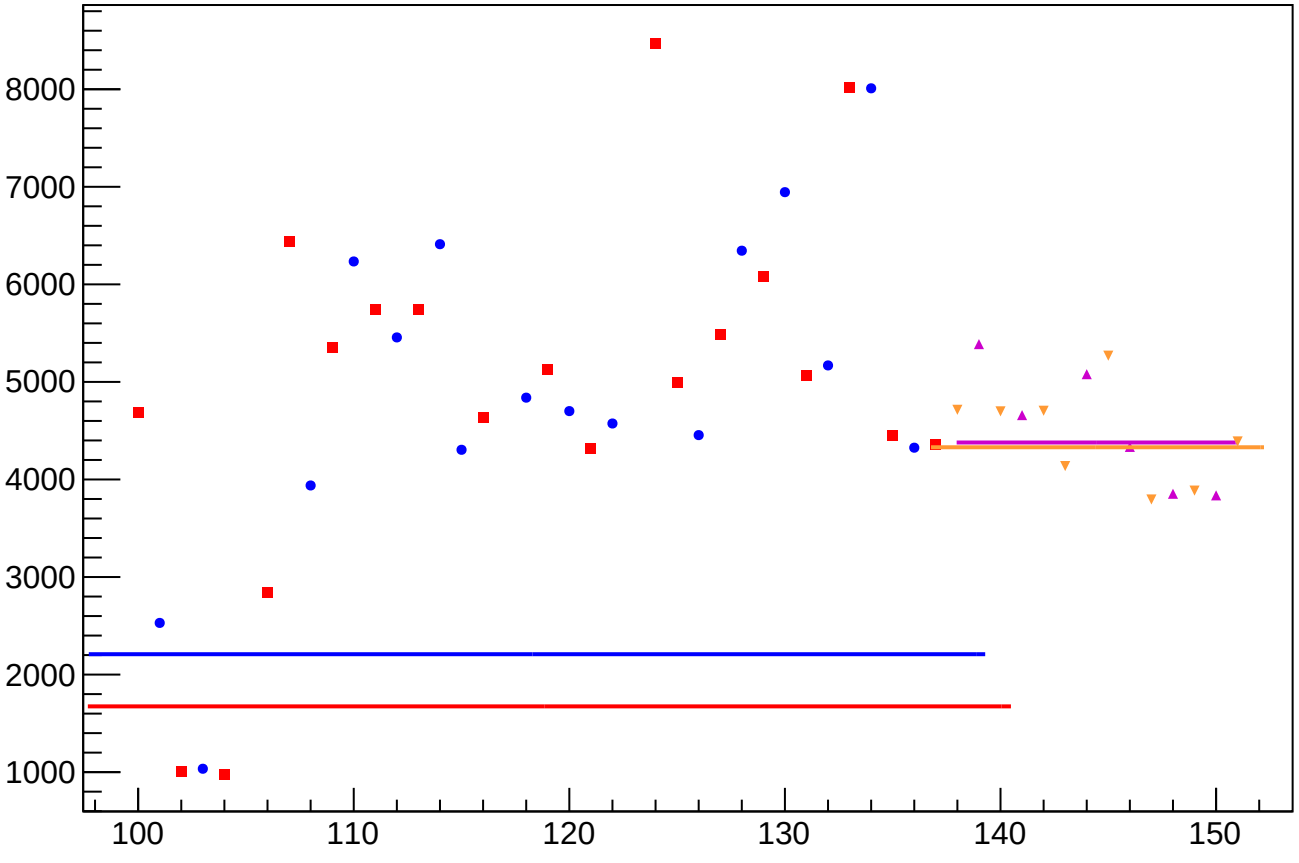
Left In: -231.729+/-1928.987 χ^2/NDF:1.8/5

+ sign -50.148+/-915.489 χ^2/NDF: 23.8/23

All: -118.210+/-587.839 χ^2/NDF: 39.3/48

- sign -165.958+/-766.795 χ^2/NDF: 15.5/24

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4330.104+/-1.243 χ^2/NDF:135668.0/7

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

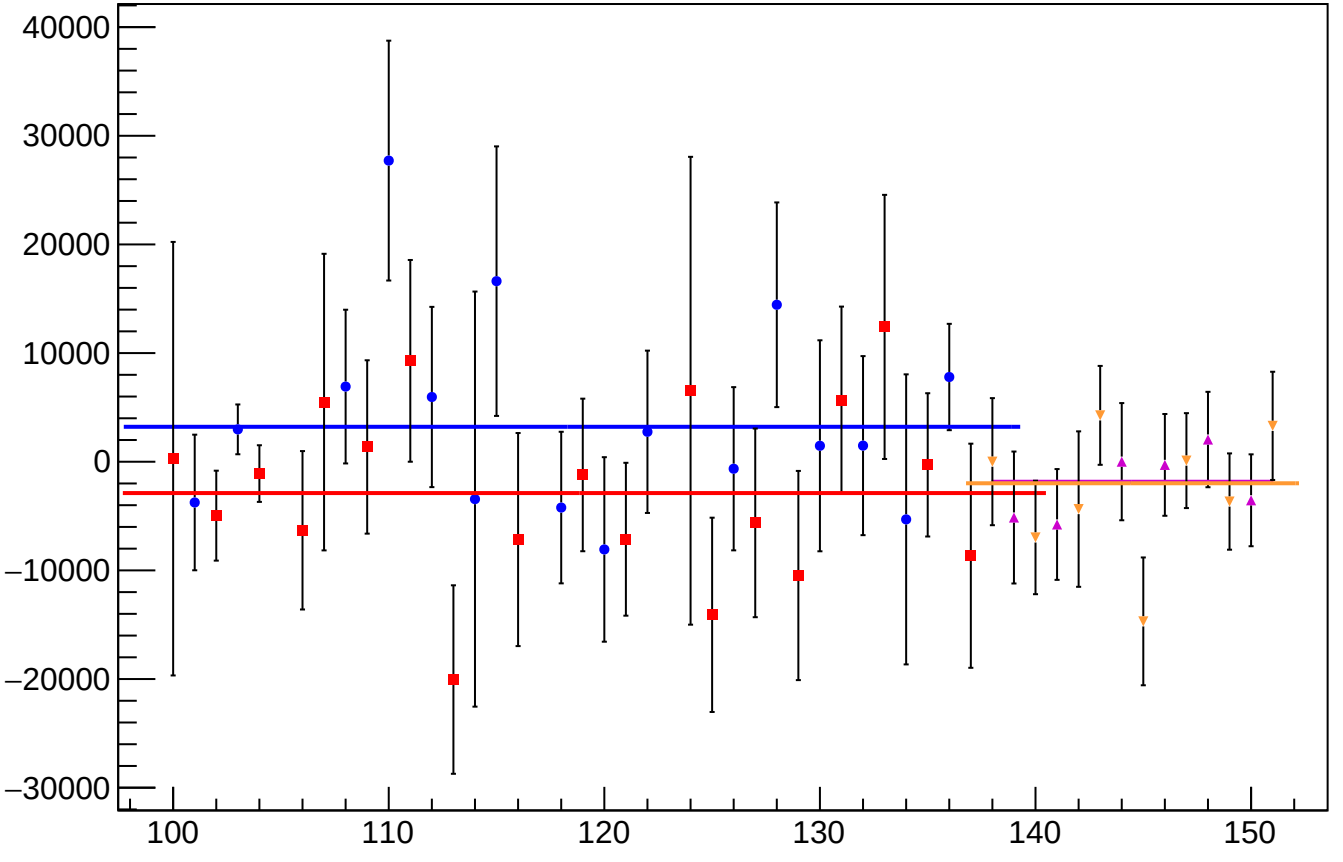
Left In: 4379.009+/-1.364 χ^2/NDF:166298.3/5

+ sign 2784.251+/-0.647 χ^2/NDF: 7757018.5/23

All: 2383.037+/-0.416 χ^2/NDF: 18741142.3/4

- sign 2101.569+/-0.542 χ^2/NDF: 10330514.9/24

asym_atl1r2_avg_mean vs Slug



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: -1981.894+/-1807.002 χ^2/NDF:9.2/7

Right Out: -2883.411+/-1552.120 χ^2/NDF: 13.4/18

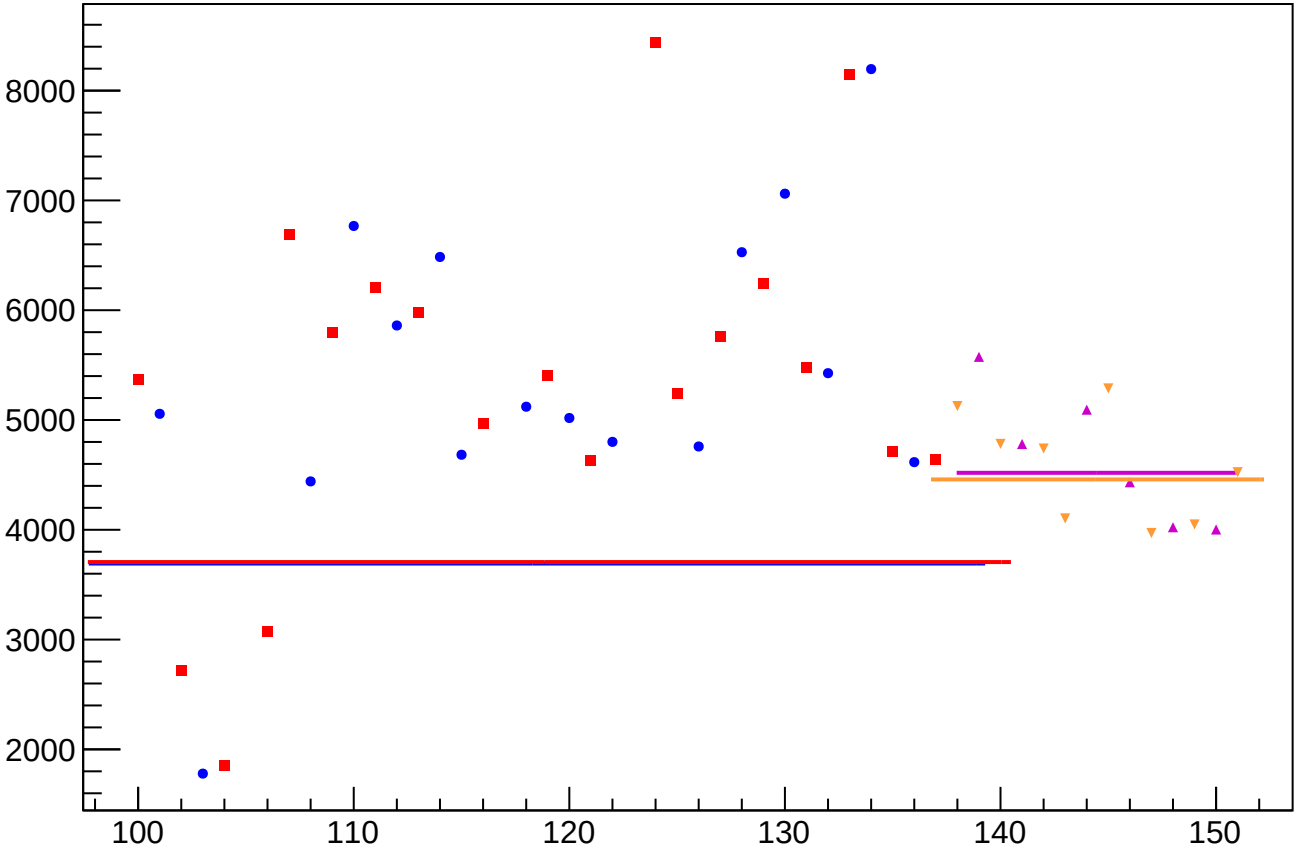
Left In: -1842.010+/-1986.670 χ^2/NDF:2.1/5

+ sign 1030.122+/-1171.764 χ^2/NDF: 27.8/23

All: -653.893+/-846.128 χ^2/NDF: 47.7/48

- sign -2488.691+/-1223.098 χ^2/NDF: 15.6/24

asym_atl1r2_avg_rms vs Slug



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 4458.474+/-1.278 χ^2/NDF:131215.7/7

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

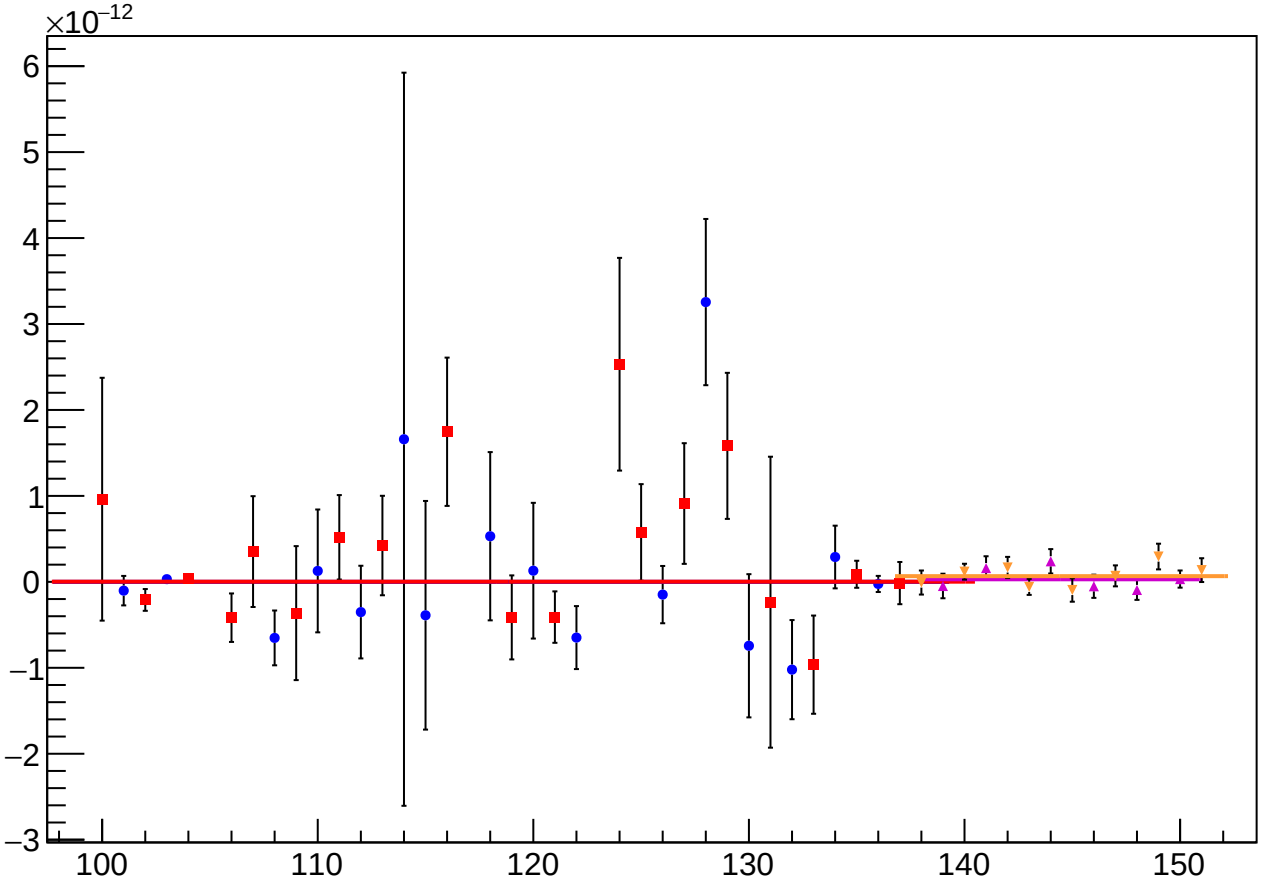
Left In: 4518.993+/-1.405 χ^2/NDF:144557.0/5

+ sign 4014.773+/-0.829 χ^2/NDF: 3224957.8/23

All: 4012.651+/-0.597 χ^2/NDF: 6263574.0/48

- sign 4010.368+/-0.859 χ^2/NDF: 3038602.5/24

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:7.0/7

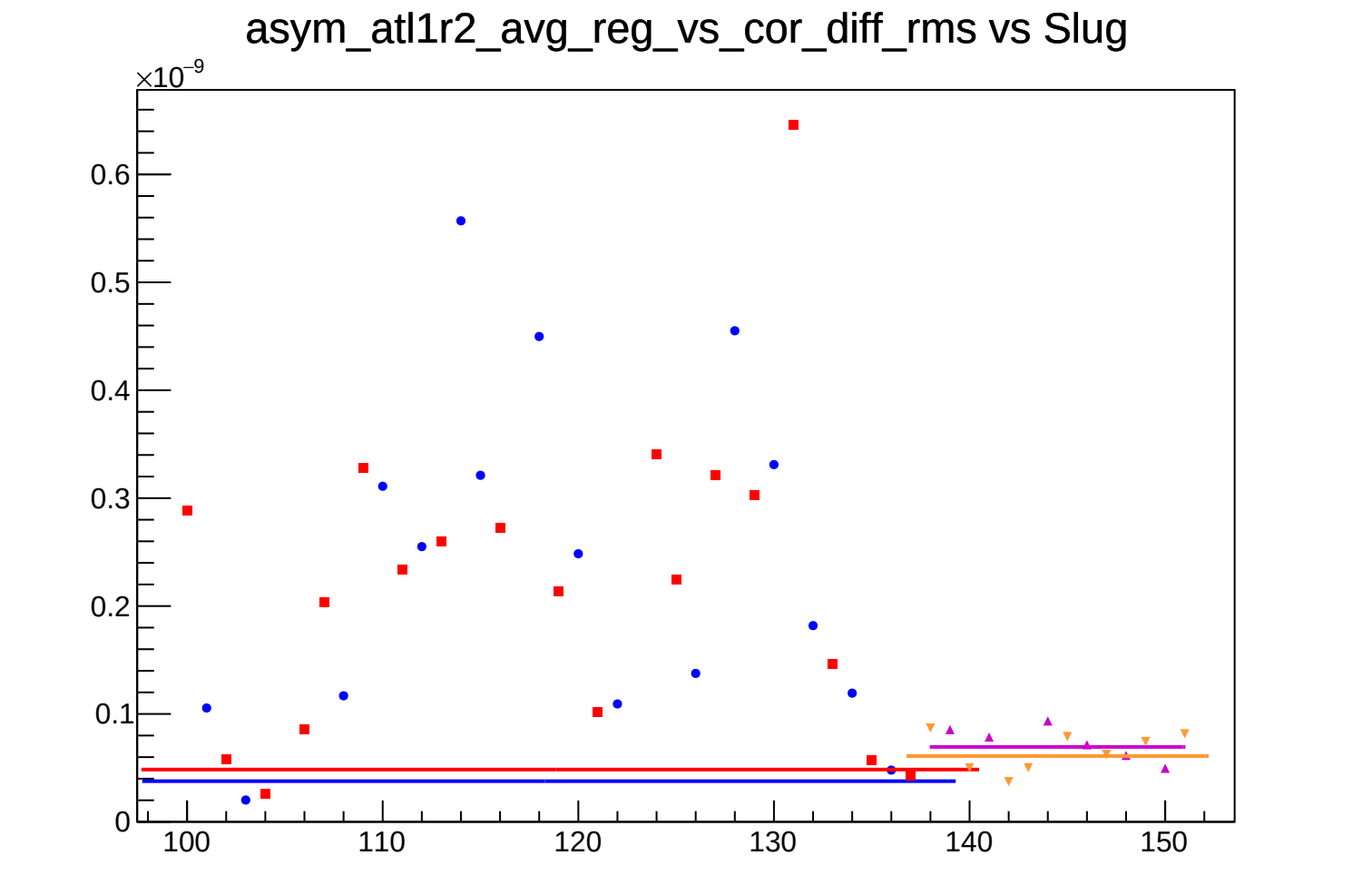
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:4.9/5

+ sign 0.000+/-0.000 χ^2/NDF: 33.9/23

All: 0.000+/-0.000 χ^2/NDF: 67.3/48

- sign 0.000+/-0.000 χ^2/NDF: 33.3/24



Right In: 0.000+/-0.000 χ^2/NDF: 3140697.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:293730.6/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2895431.5/18

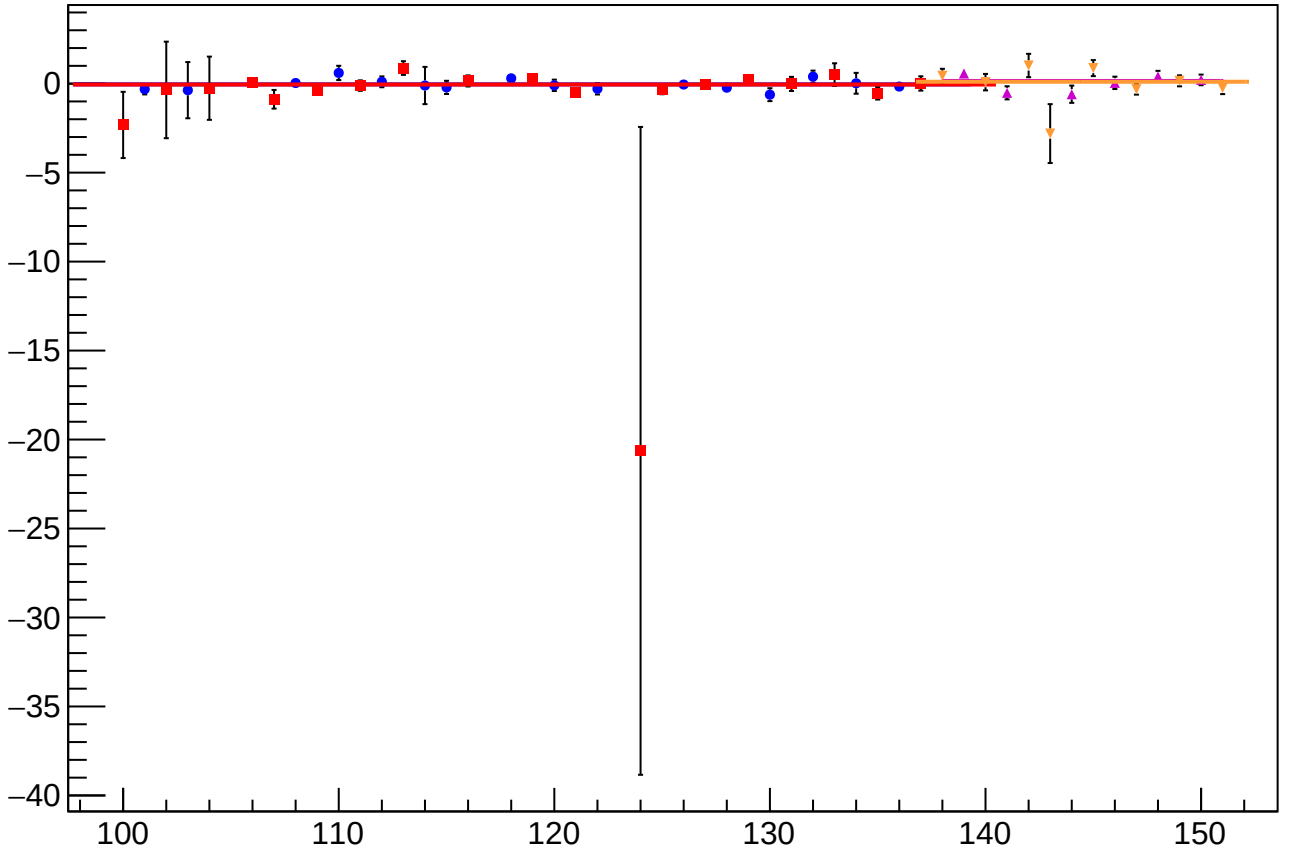
Left In: 0.000+/-0.000 χ^2/NDF:180345.6/5

+ sign 0.000+/-0.000 χ^2/NDF: 3786200.4/23

All: 0.000+/-0.000 χ^2/NDF: 7155369.2/48

- sign 0.000+/-0.000 χ^2/NDF: 3265344.0/24

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.107+/-0.144 χ^2/NDF:11.6/7

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

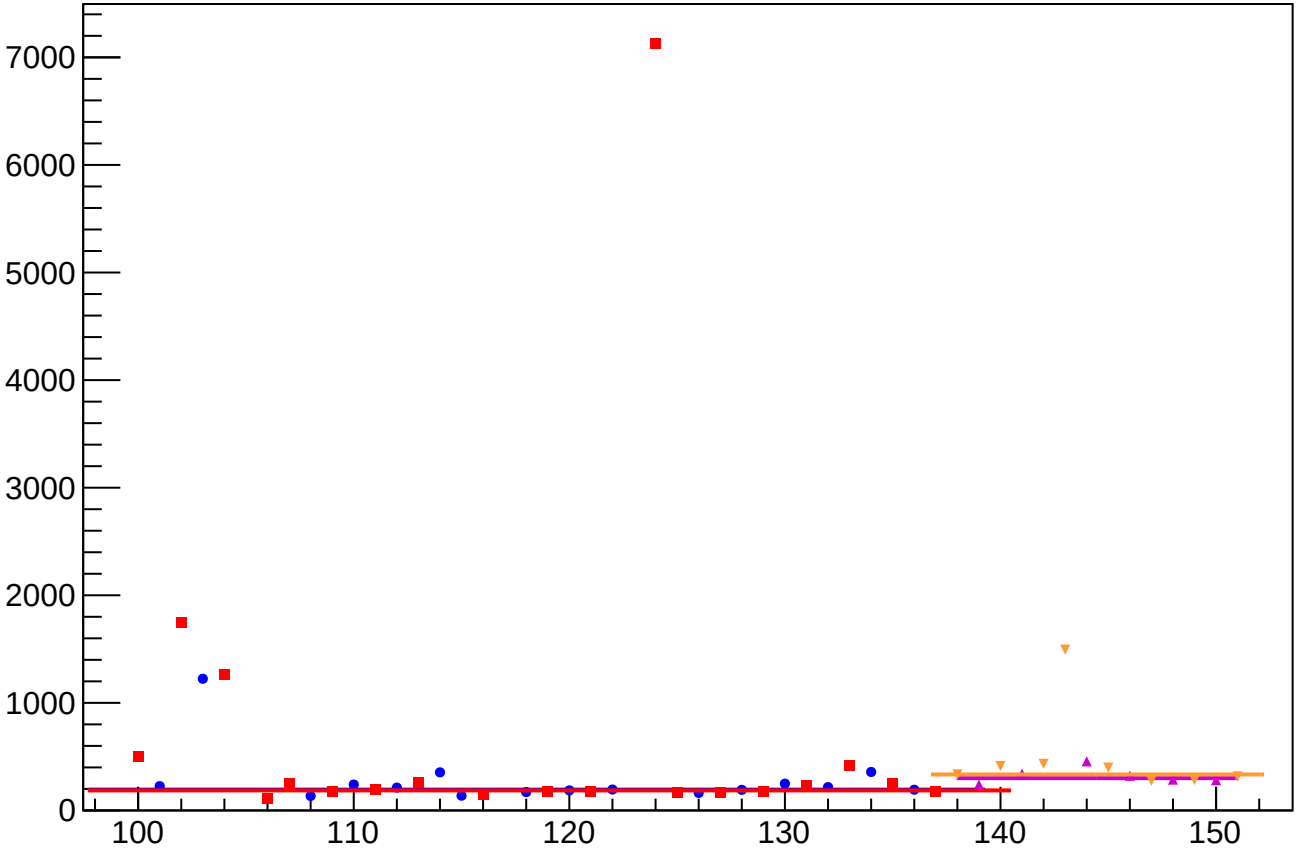
Left In: 0.150+/-0.135 χ^2/NDF:8.8/5

+ sign -0.008+/-0.068 χ^2/NDF: 24.1/23

All: -0.003+/-0.048 χ^2/NDF: 57.6/48

- sign 0.001+/-0.068 χ^2/NDF: 33.4/24

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 334.645+/-0.102 χ^2/NDF:1262910.8/7

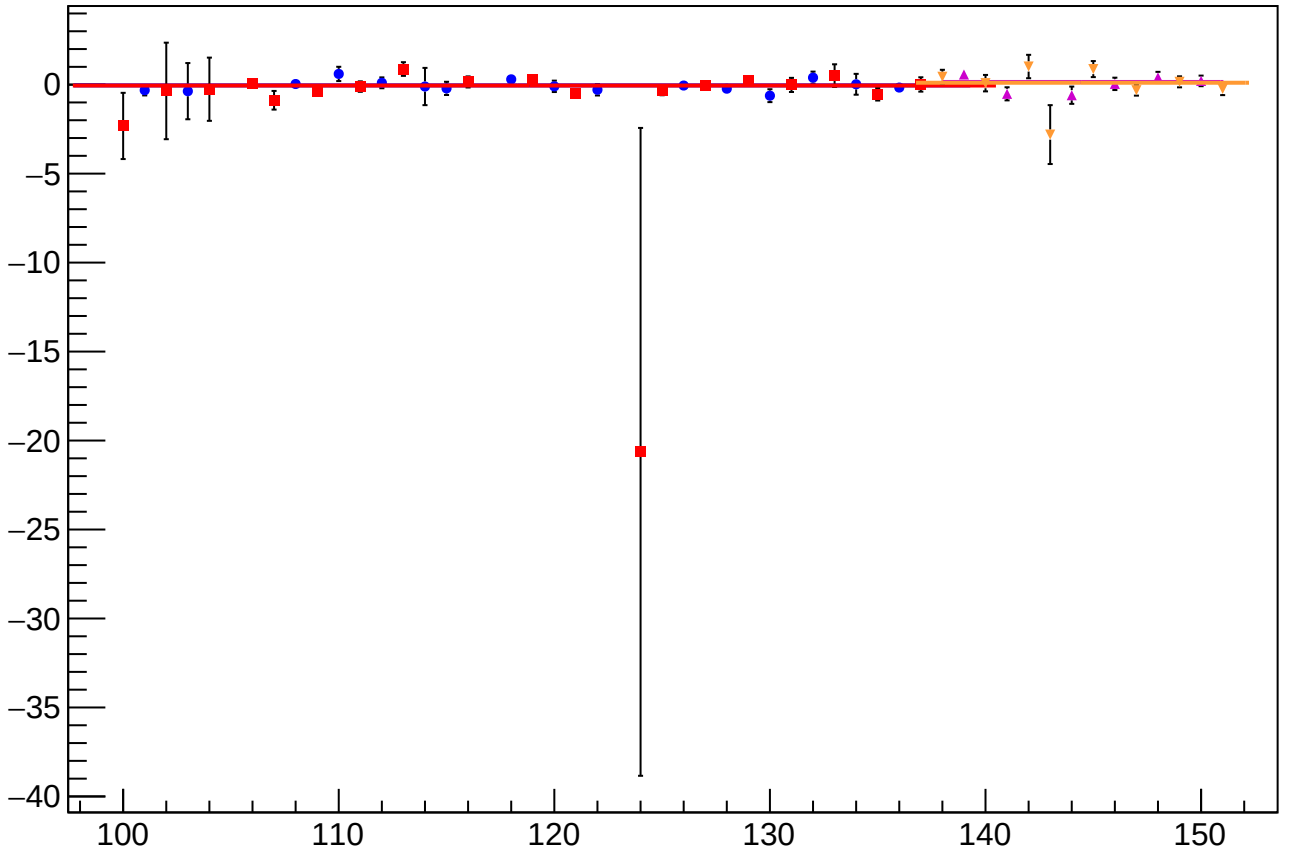
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 300.421+/-0.096 χ^2/NDF:347947.8/5

+ sign 225.209+/-0.048 χ^2/NDF: 4166296.1/23

All: 220.244+/-0.034 χ^2/NDF: 8077943.4/48

- sign 215.329+/-0.048 χ^2/NDF: 3890679.0/24



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.107+/-0.144 χ^2/NDF:11.6/7

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

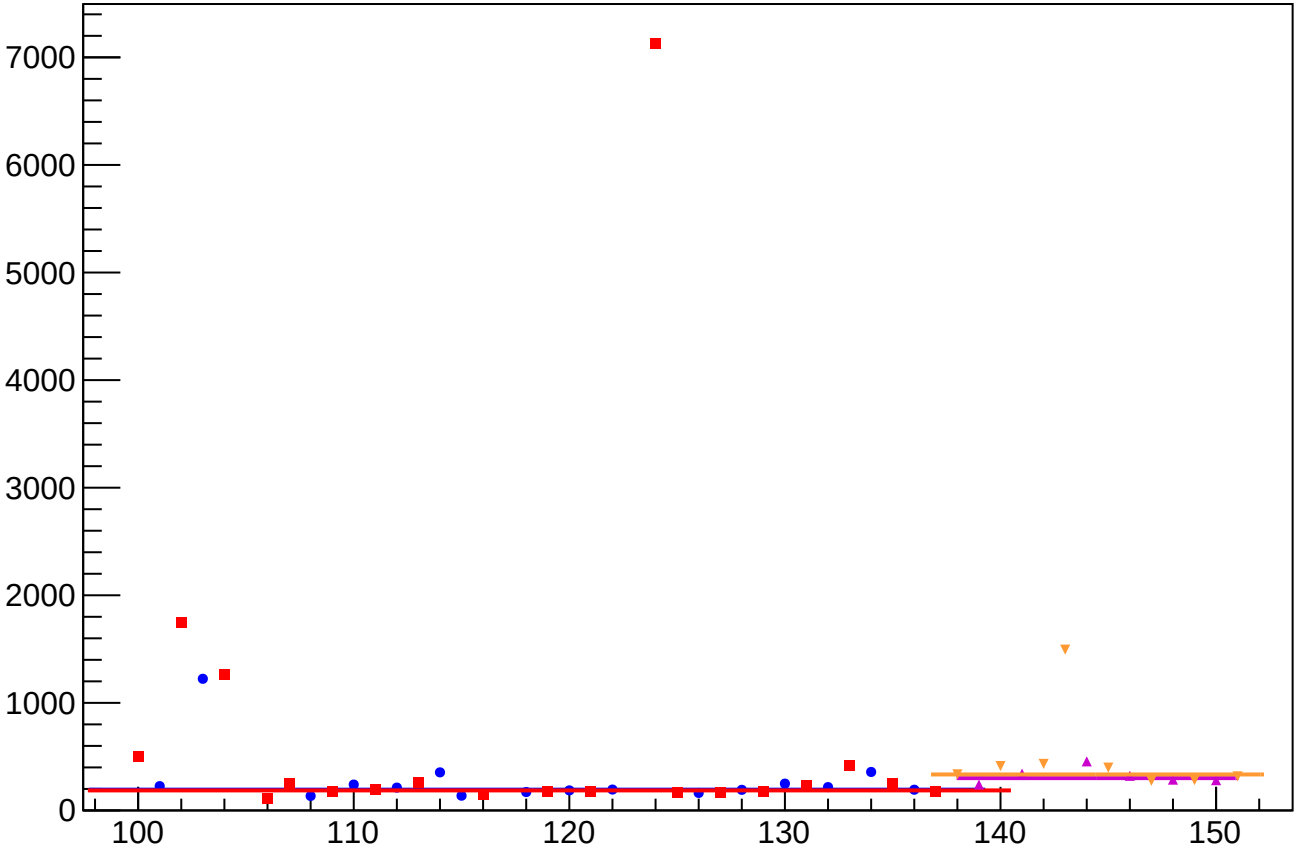
Left In: 0.150+/-0.135 χ^2/NDF:8.8/5

+ sign -0.008+/-0.068 χ^2/NDF: 24.1/23

All: -0.003+/-0.048 χ^2/NDF: 57.6/48

- sign 0.001+/-0.068 χ^2/NDF: 33.4/24

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: 334.645+/-0.102 χ^2/NDF:1262910.8/7

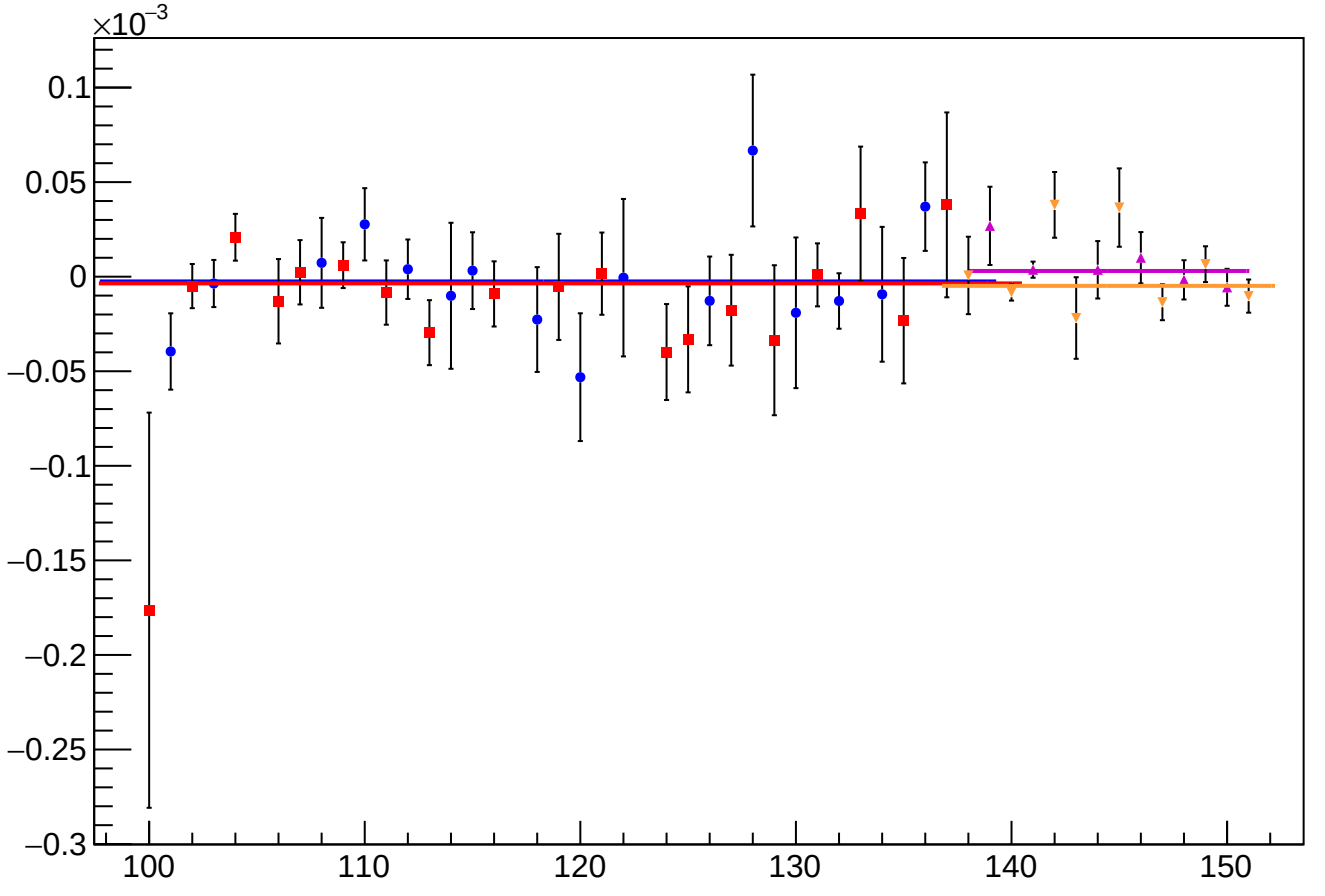
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 300.421+/-0.096 χ^2/NDF:347947.8/5

+ sign 225.209+/-0.048 χ^2/NDF: 4166296.1/23

All: 220.244+/-0.034 χ^2/NDF: 8077943.4/48

- sign 215.329+/-0.048 χ^2/NDF: 3890679.0/24



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.0/7

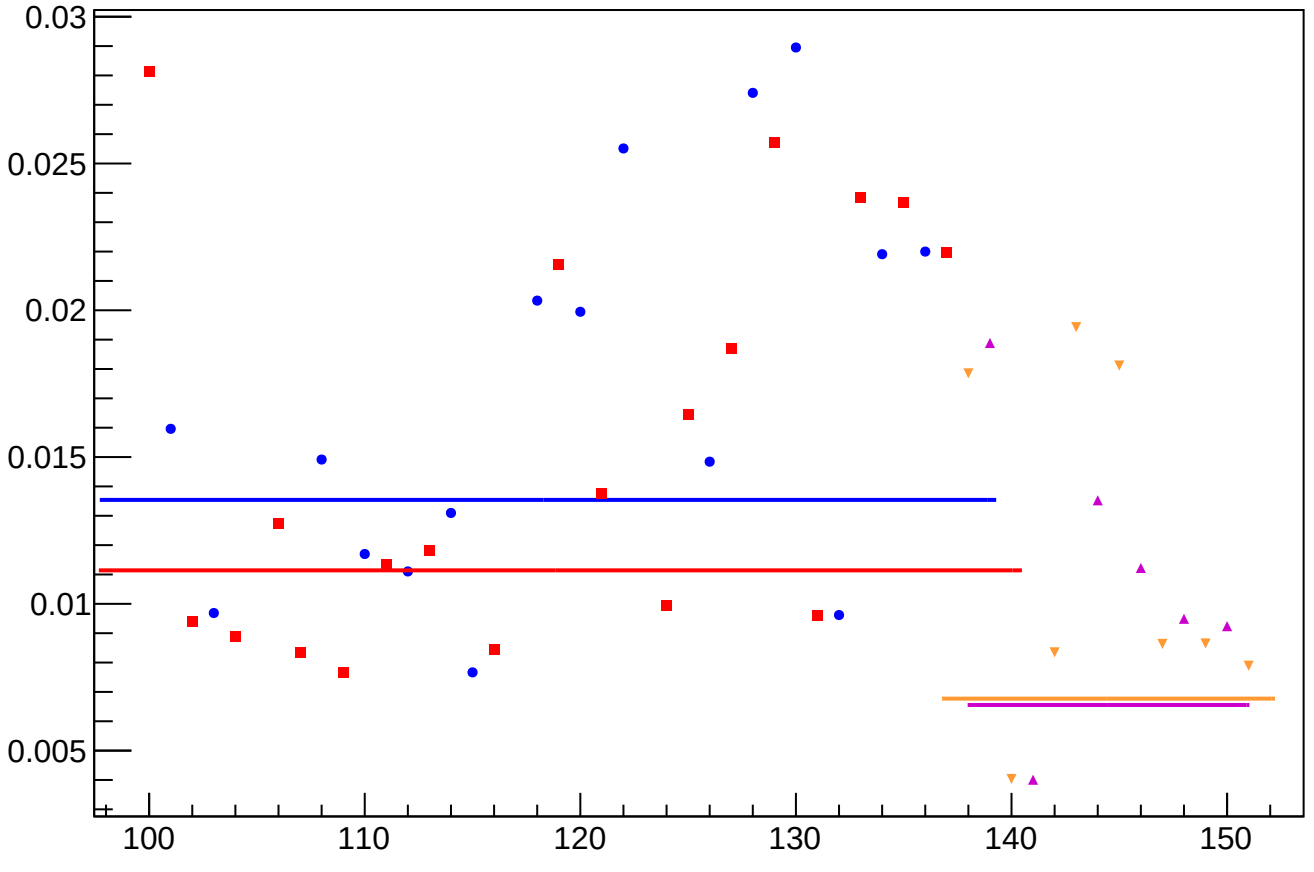
Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2.6/5

+ sign -0.000+/-0.000 χ^2/NDF: 30.0/23

All: -0.000+/-0.000 χ^2/NDF: 51.9/48

- sign 0.000+/-0.000 χ^2/NDF: 20.3/24



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:2853751.1/7

Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

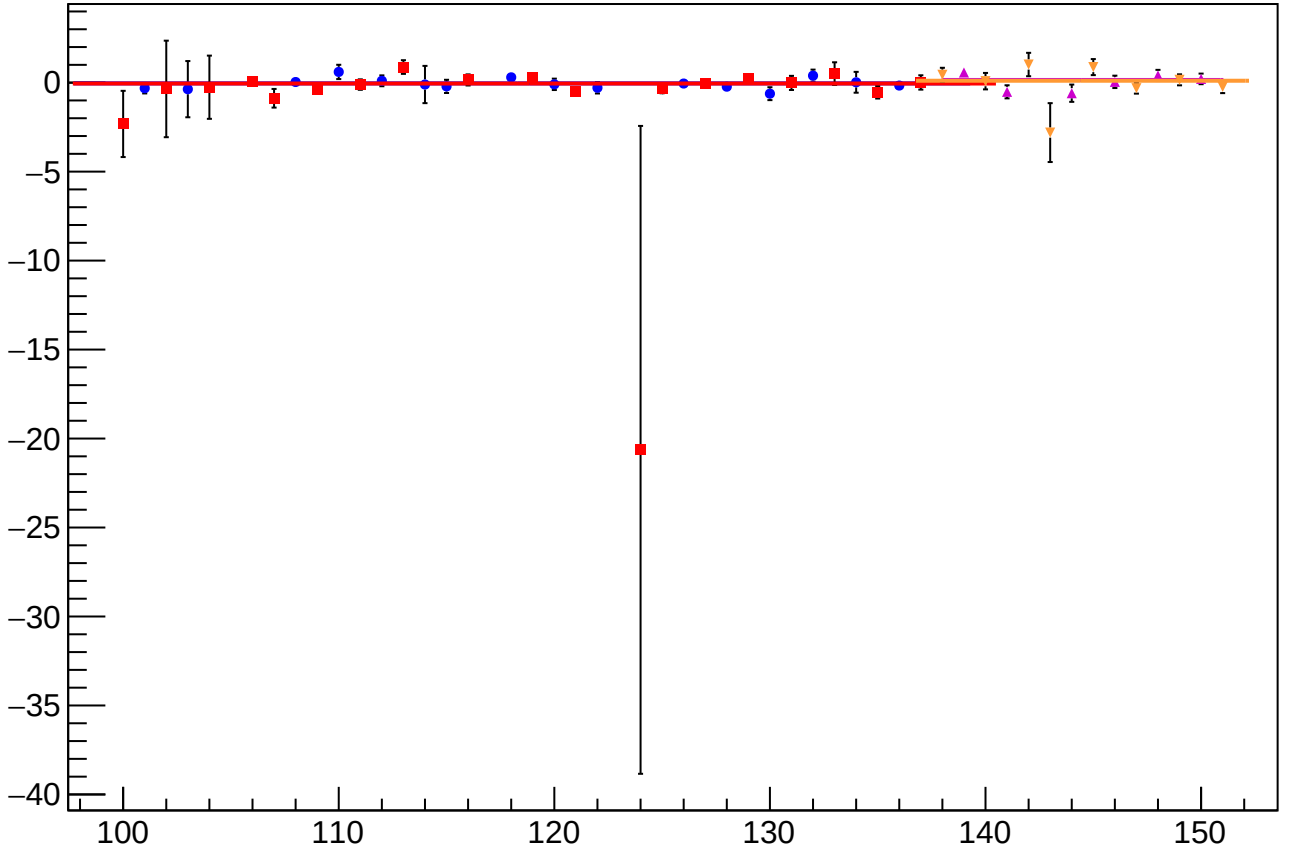
Left In: 0.007+/-0.000 χ^2/NDF:2393382.8/5

+ sign 0.009+/-0.000 χ^2/NDF: 7021221.1/23

All: 0.008+/-0.000 χ^2/NDF: 12650466.1/48

- sign 0.008+/-0.000 χ^2/NDF: 5618915.1/24

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.107+/-0.144 χ^2/NDF:11.6/7

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

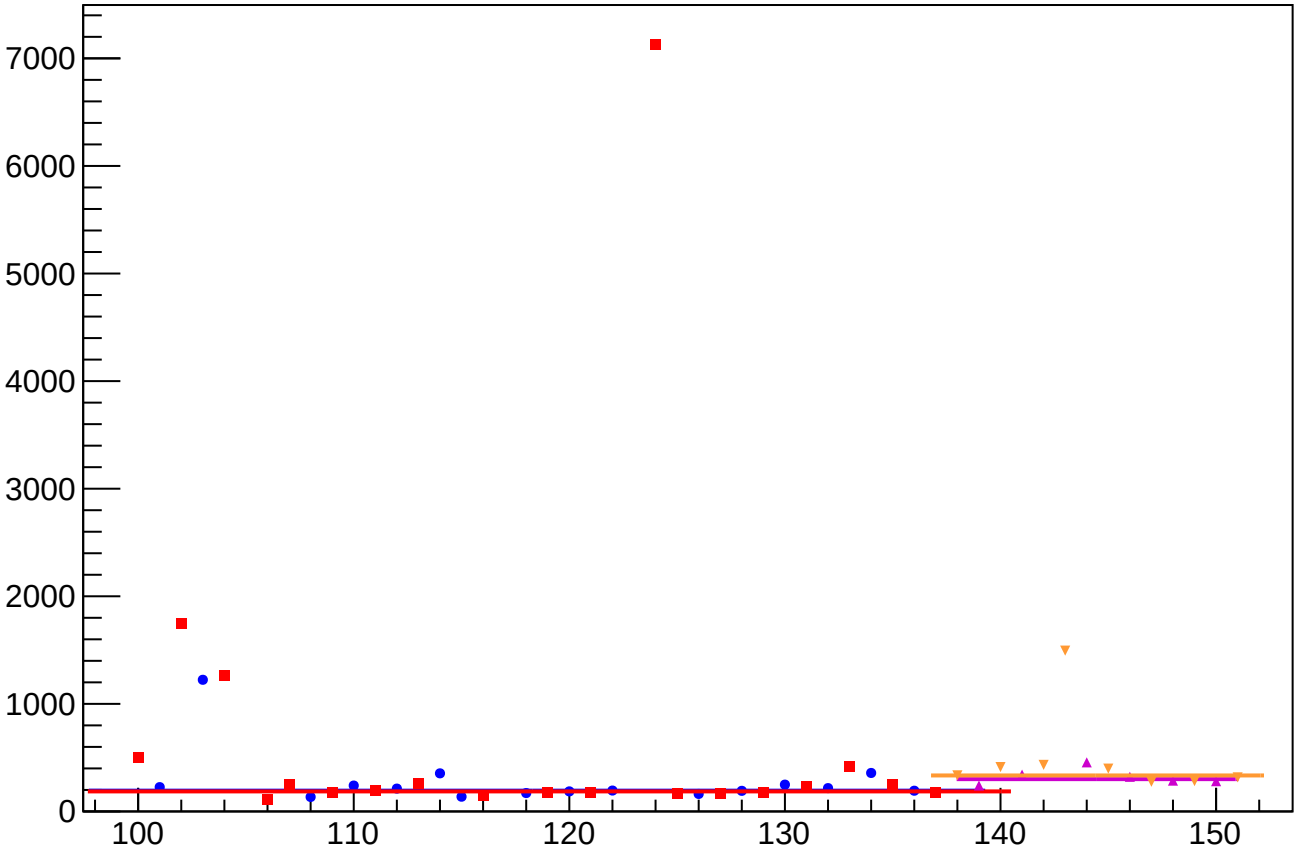
Left In: 0.150+/-0.135 χ^2/NDF:8.8/5

+ sign -0.008+/-0.068 χ^2/NDF: 24.1/23

All: -0.003+/-0.048 χ^2/NDF: 57.6/48

- sign 0.001+/-0.068 χ^2/NDF: 33.4/24

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: 334.650+/-0.102 χ^2/NDF:1262882.5/7

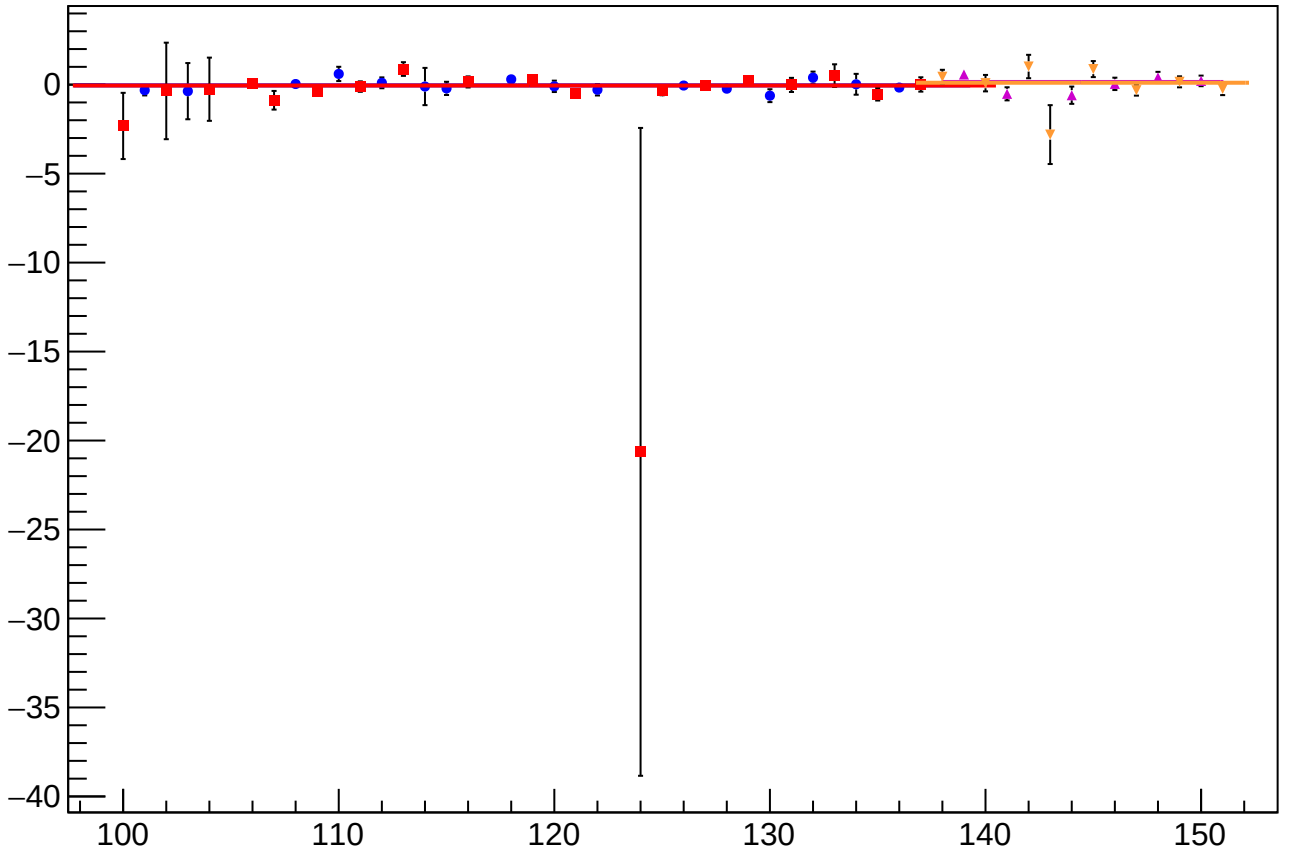
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 300.426+/-0.096 χ^2/NDF:347930.4/5

+ sign 225.208+/-0.048 χ^2/NDF: 4166361.0/23

All: 220.243+/-0.034 χ^2/NDF: 8078137.4/48

- sign 215.327+/-0.048 χ^2/NDF: 3890806.4/24



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.107+/-0.144 χ^2/NDF:11.6/7

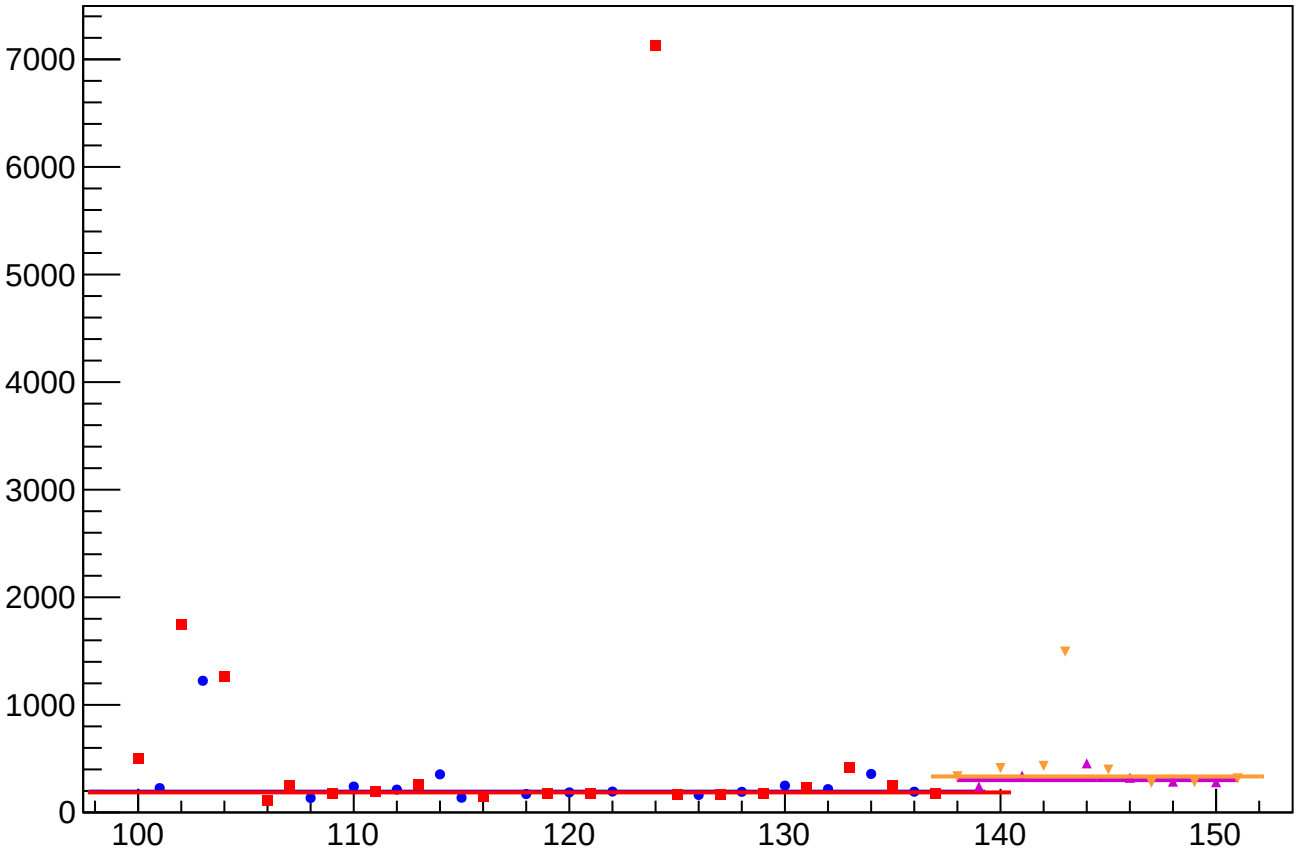
Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.150+/-0.135 χ^2/NDF:8.8/5

+ sign -0.008+/-0.068 χ^2/NDF: 24.1/23

All: -0.003+/-0.048 χ^2/NDF: 57.6/48

- sign 0.001+/-0.068 χ^2/NDF: 33.4/24



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 334.650+/-0.102 χ^2/NDF:1262882.5/7

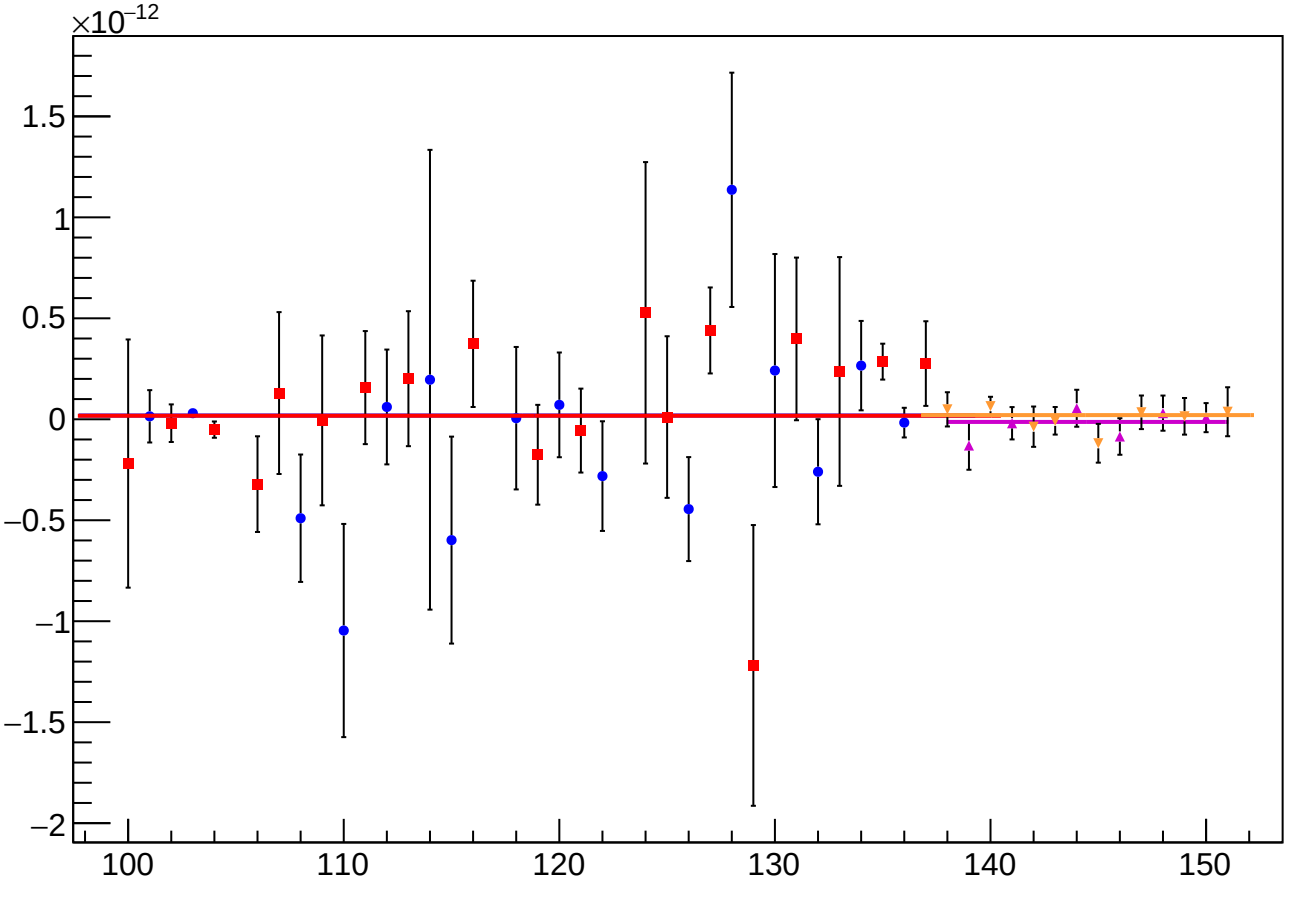
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 300.426+/-0.096 χ^2/NDF:347930.4/5

+ sign 225.208+/-0.048 χ^2/NDF: 4166361.0/23

All: 220.243+/-0.034 χ^2/NDF: 8078137.4/48

- sign 215.327+/-0.048 χ^2/NDF: 3890806.4/24



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.7/7

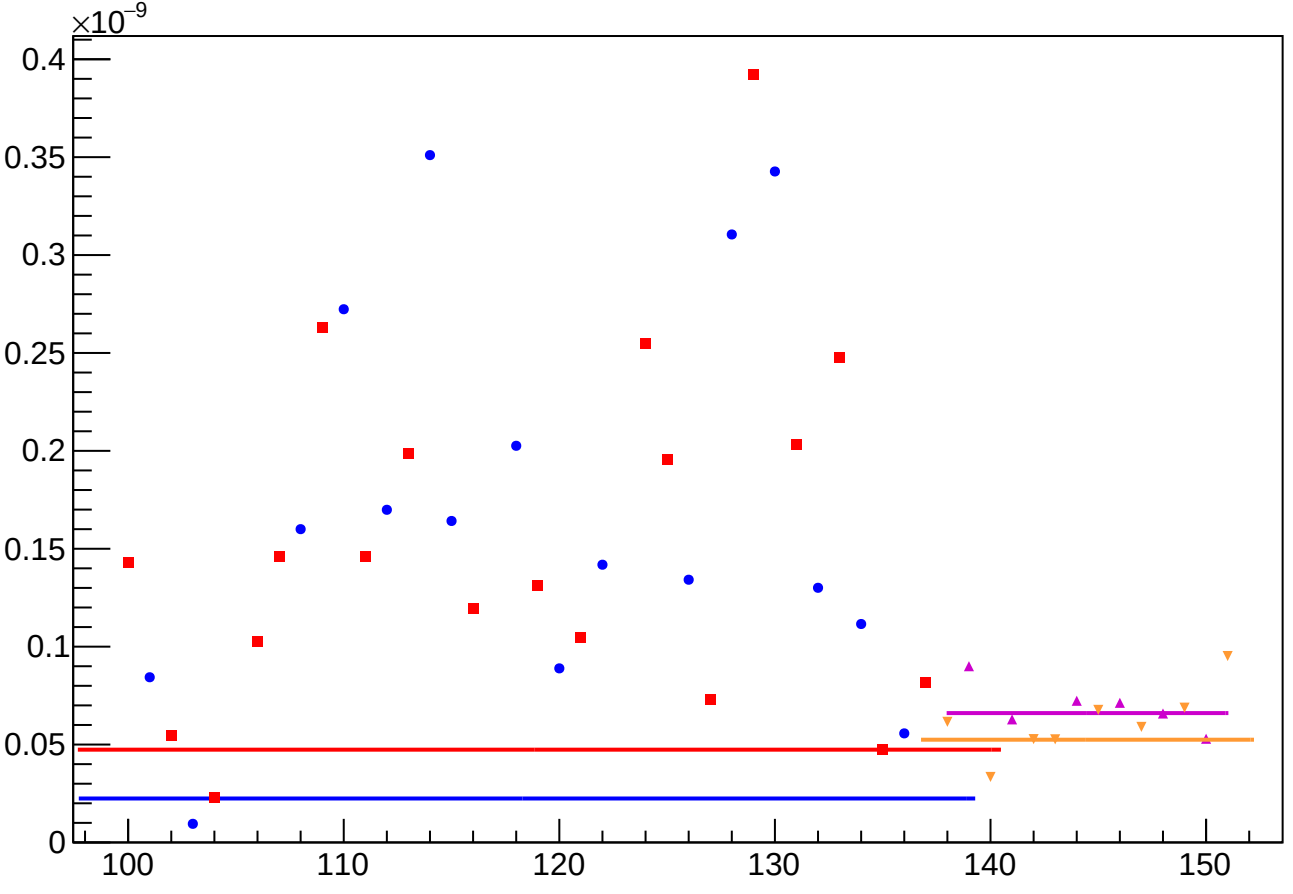
Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: -0.000+/-0.000 χ^2/NDF:2.5/5

+ sign 0.000+/-0.000 χ^2/NDF: 23.1/23

All: 0.000+/-0.000 χ^2/NDF: 53.4/48

- sign 0.000+/-0.000 χ^2/NDF: 30.0/24



Right In: 0.000+/-0.000 χ^2/NDF: 6410173.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:735421.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 4236050.4/18

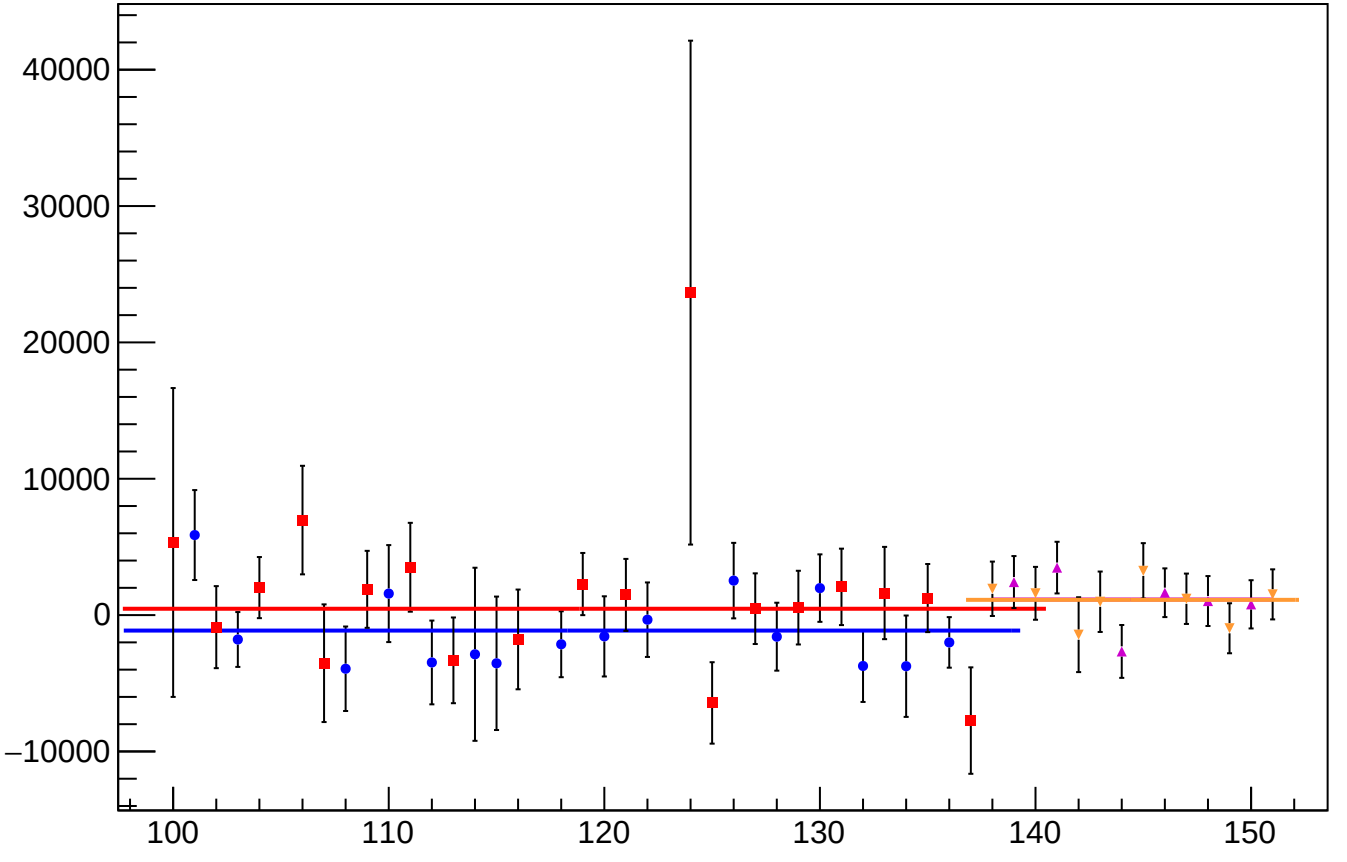
Left In: 0.000+/-0.000 χ^2/NDF:165261.7/5

+ sign 0.000+/-0.000 χ^2/NDF: 8700978.6/23

All: 0.000+/-0.000 χ^2/NDF: 14604979.3/48

- sign 0.000+/-0.000 χ^2/NDF: 4713235.4/24

reg_asym_atl1r2_dd_mean vs Slug



Right In: -1134.630+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1118.962+/-710.165 χ^2/NDF:3.5/7

Right Out: 465.519+/-705.926 χ^2/NDF: 20.0/18

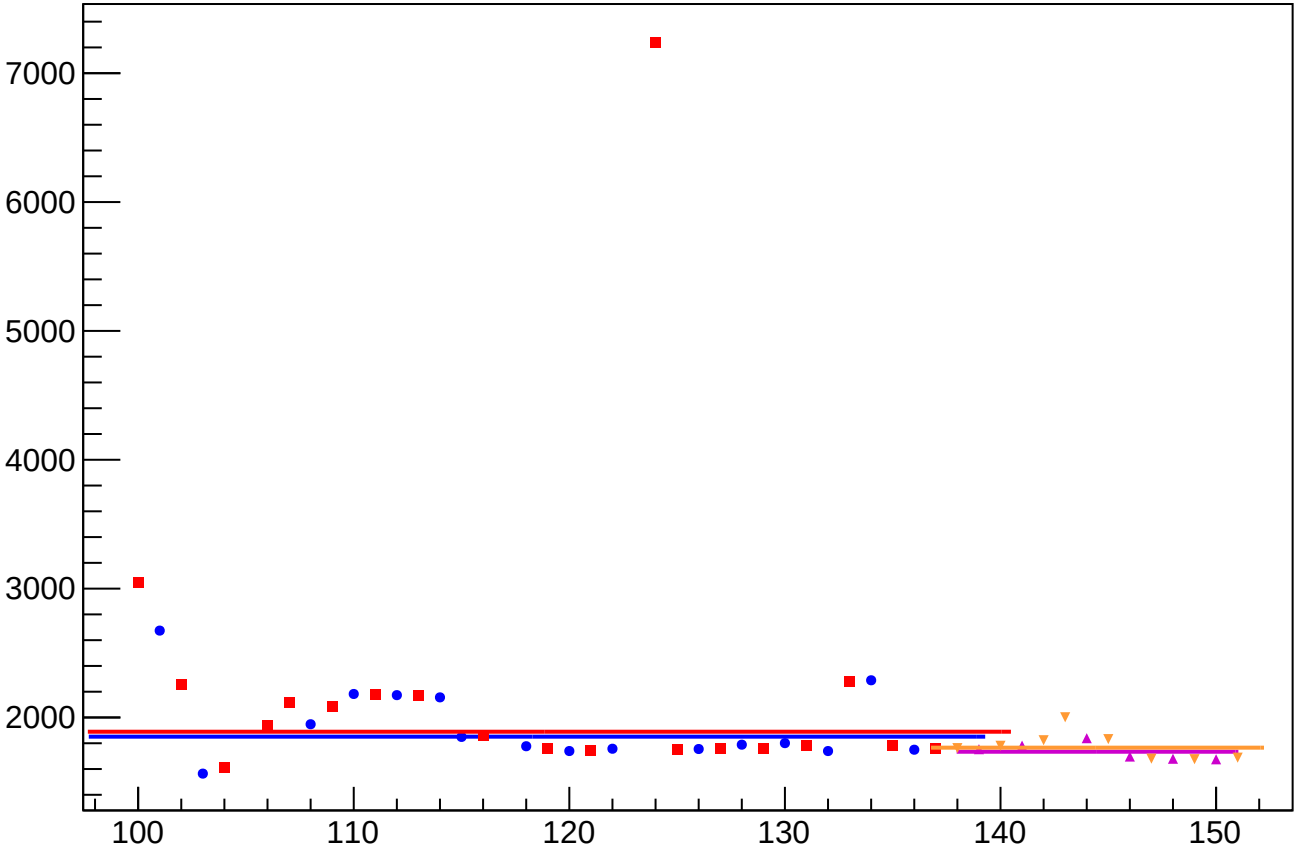
Left In: 1143.834+/-755.668 χ^2/NDF:6.0/5

+ sign -34.128+/-496.269 χ^2/NDF: 20.9/23

All: 357.965+/-357.639 χ^2/NDF: 48.6/48

- sign 781.618+/-515.854 χ^2/NDF: 26.4/24

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1765.785+/-0.502 χ^2/NDF:38377.6/7

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

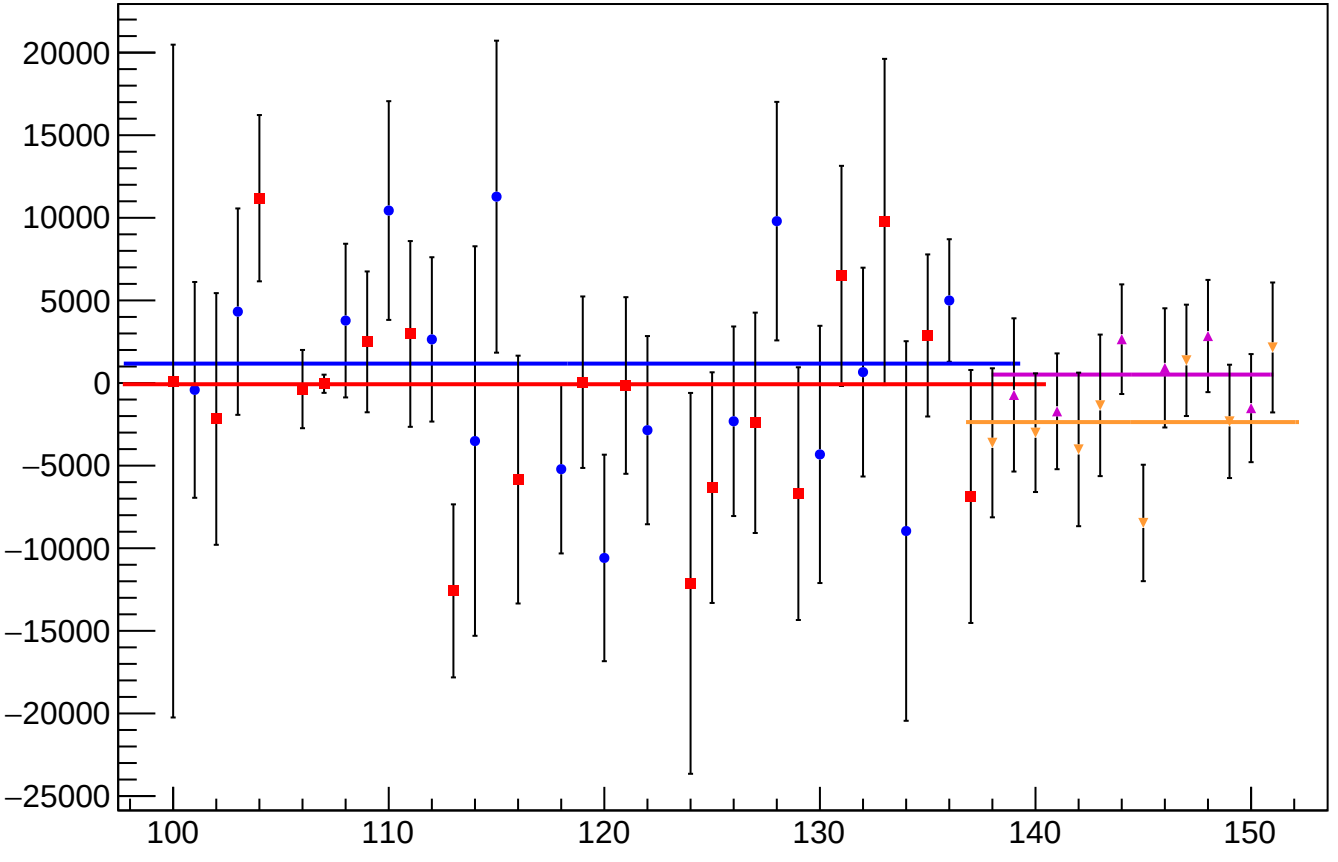
Left In: 1734.196+/-0.534 χ^2/NDF:12193.2/5

+ sign 1809.453+/-0.351 χ^2/NDF: 313138.8/23

All: 1813.240+/-0.253 χ^2/NDF: 729699.9/48

- sign 1817.321+/-0.364 χ^2/NDF: 416319.2/24

asym_atl1r2_dd_reg_correction_mean vs Slug



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -2363.788+/-1353.653 χ^2/NDF:5.8/7

Right Out: -72.681+/-505.693 χ^2/NDF: 17.9/18

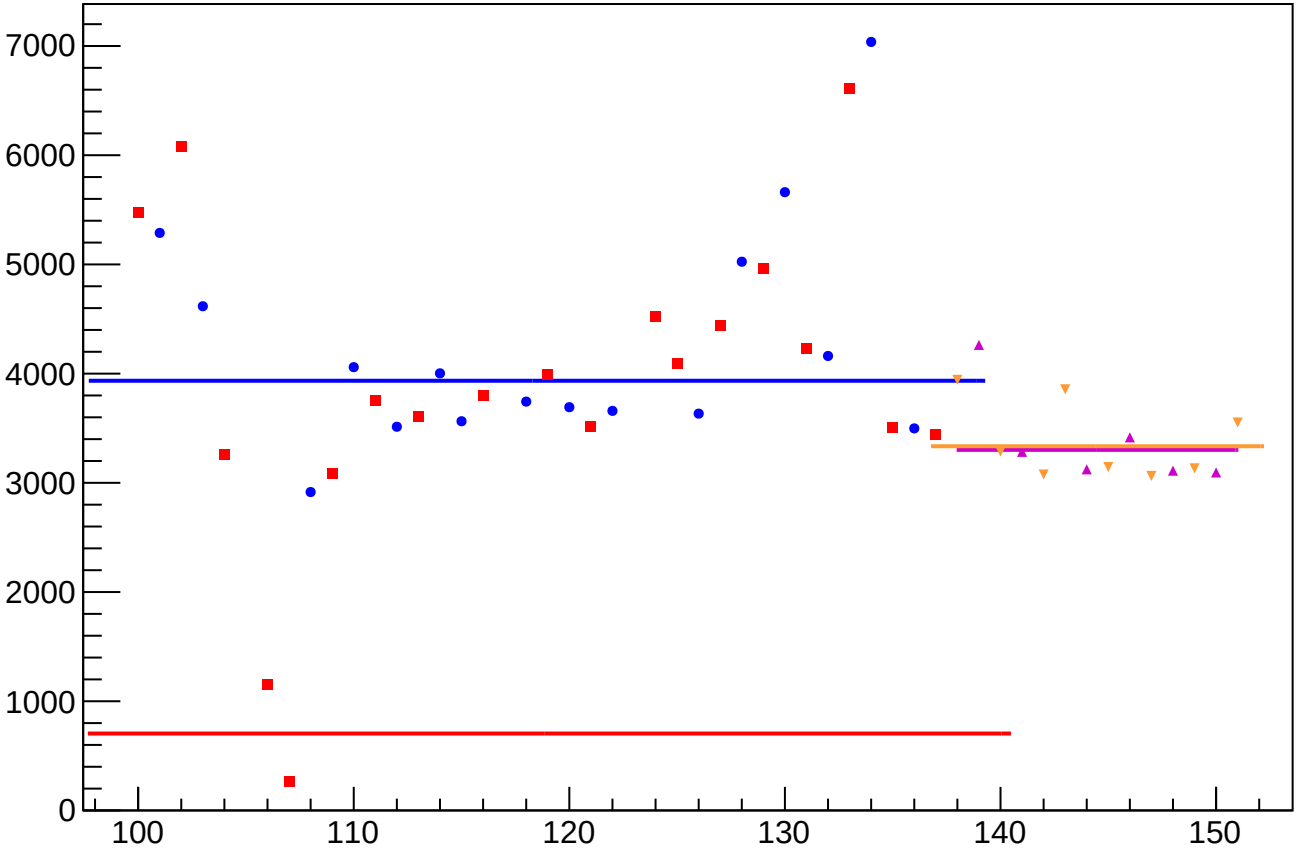
Left In: 511.432+/-1449.846 χ^2/NDF:1.8/5

\+ sign -777.691+/-1005.584 χ^2/NDF: 22.6/23

All: -150.694+/-431.327 χ^2/NDF: 42.9/48

\- sign -9.328+/-477.482 χ^2/NDF: 19.8/24

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3335.079+/-0.957 χ^2/NDF:104477.5/7

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

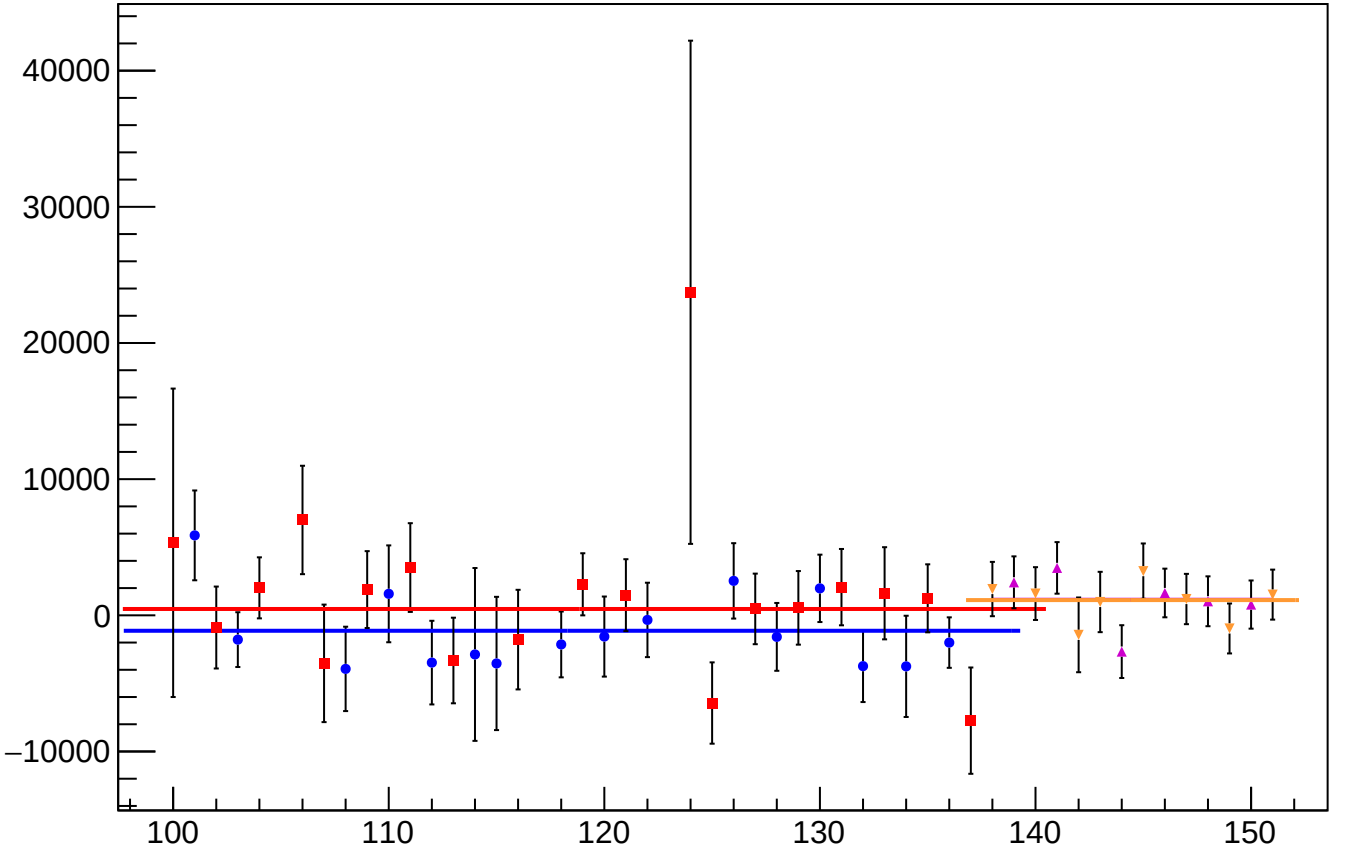
Left In: 3301.920+/-1.025 χ^2/NDF:108011.4/5

+ sign 3603.807+/-0.711 χ^2/NDF: 840483.7/23

All: 1467.725+/-0.305 χ^2/NDF: 28349833.4/4

- sign 986.115+/-0.338 χ^2/NDF: 16449993.2/24

cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1118.914+/-710.165 χ^2/NDF:3.5/7

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

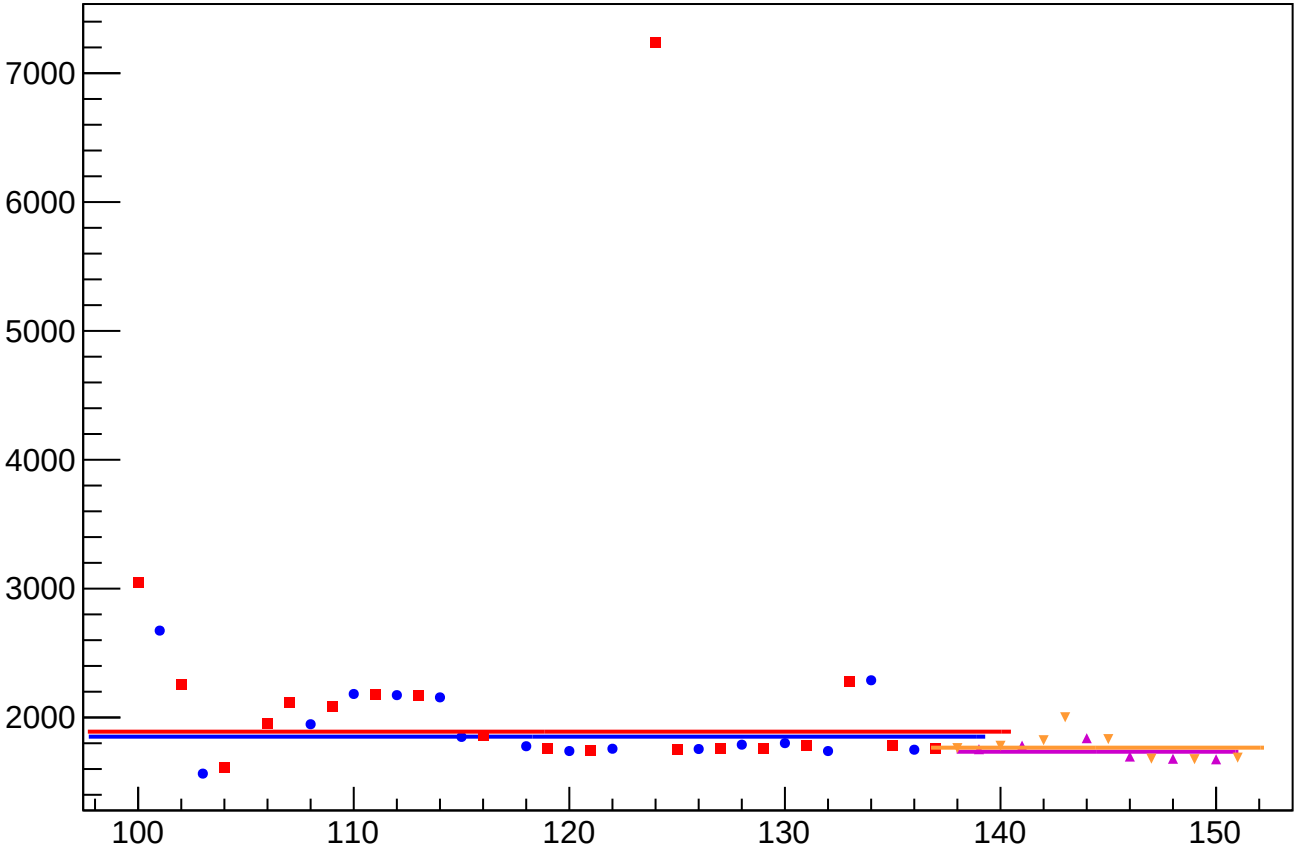
Left In: 1143.853+/-755.668 χ^2/NDF:6.0/5

\+ sign -33.933+/-496.269 χ^2/NDF: 20.9/23

All: 358.168+/-357.639 χ^2/NDF: 48.7/48

\- sign 781.831+/-515.855 χ^2/NDF: 26.4/24

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1765.785+/-0.502 χ^2/NDF:38377.6/7

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

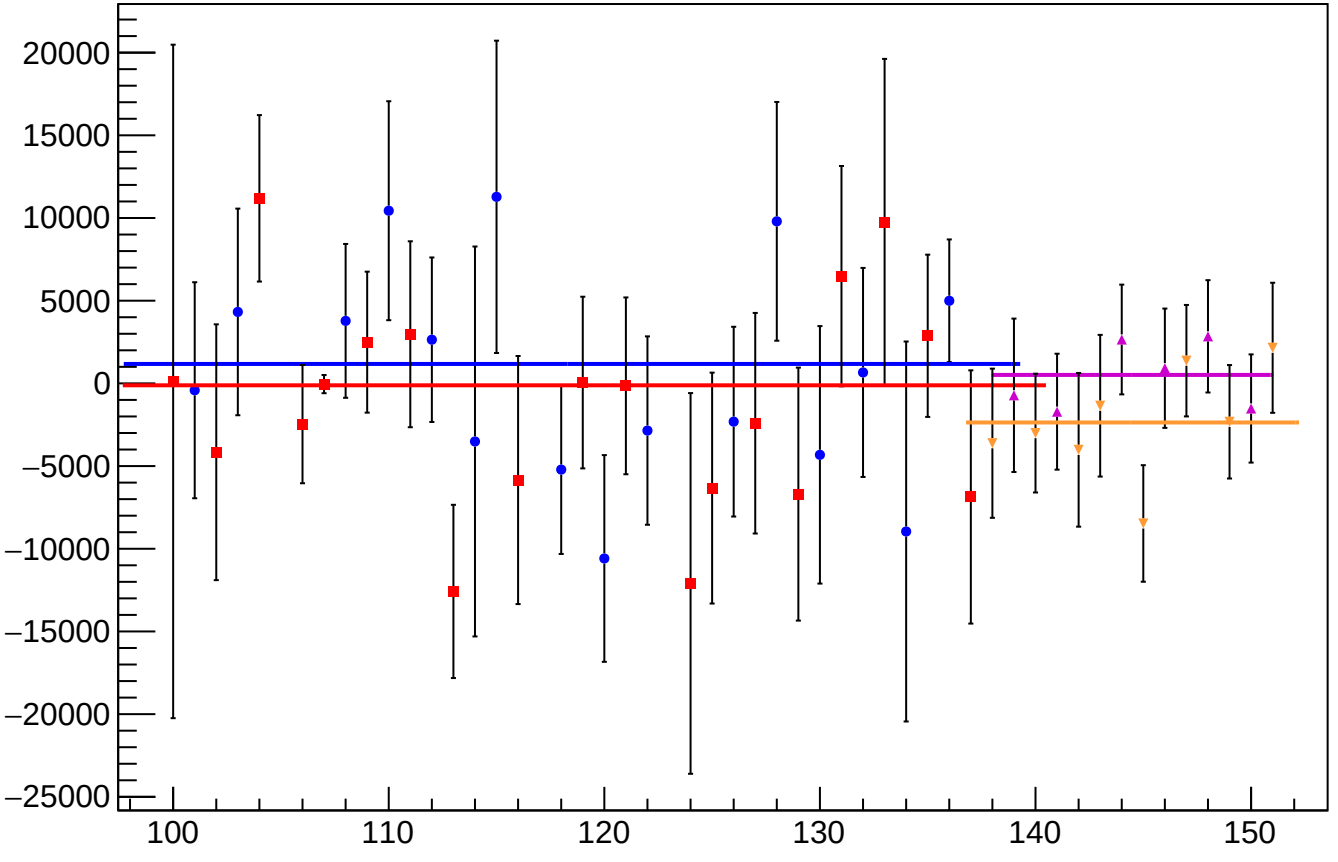
Left In: 1734.196+/-0.534 χ^2/NDF:12193.2/5

+ sign 1809.453+/-0.351 χ^2/NDF: 313138.1/23

All: 1813.349+/-0.253 χ^2/NDF: 730190.6/48

- sign 1817.549+/-0.364 χ^2/NDF: 416796.5/24

asym_atl1r2_dd_cor_correction_mean vs Slug



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -2363.879+/-1353.648 χ^2/NDF:5.8/7

Right Out: -115.917+/-512.289 χ^2/NDF: 18.6/18

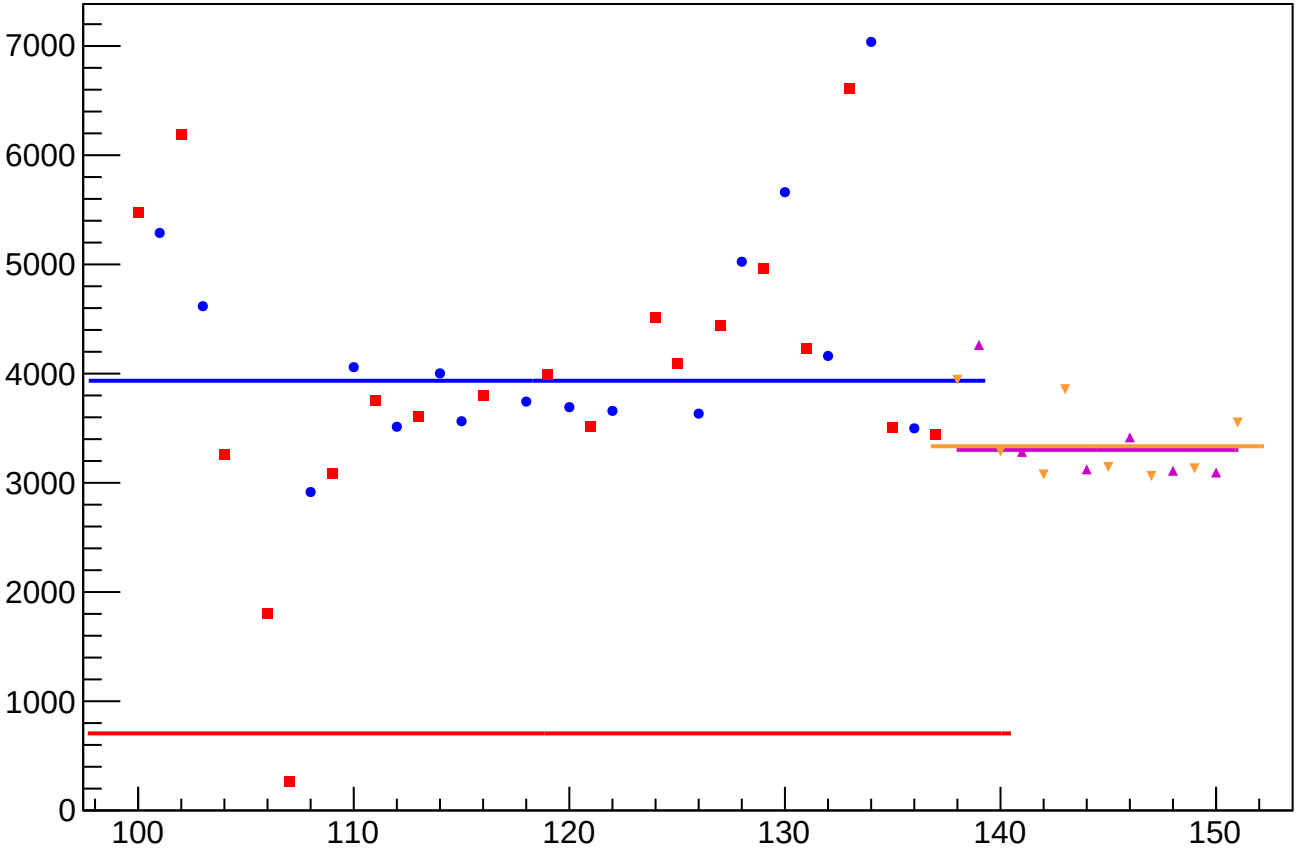
Left In: 511.455+/-1449.847 χ^2/NDF:1.8/5

+ sign -777.764+/-1005.583 χ^2/NDF: 22.6/23

All: -183.416+/-435.399 χ^2/NDF: 43.5/48

- sign -46.283+/-483.023 χ^2/NDF: 20.5/24

asym_atl1r2_dd_cor_correction_rms vs Slug



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3335.066+/-0.957 χ^2/NDF:104481.8/7

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

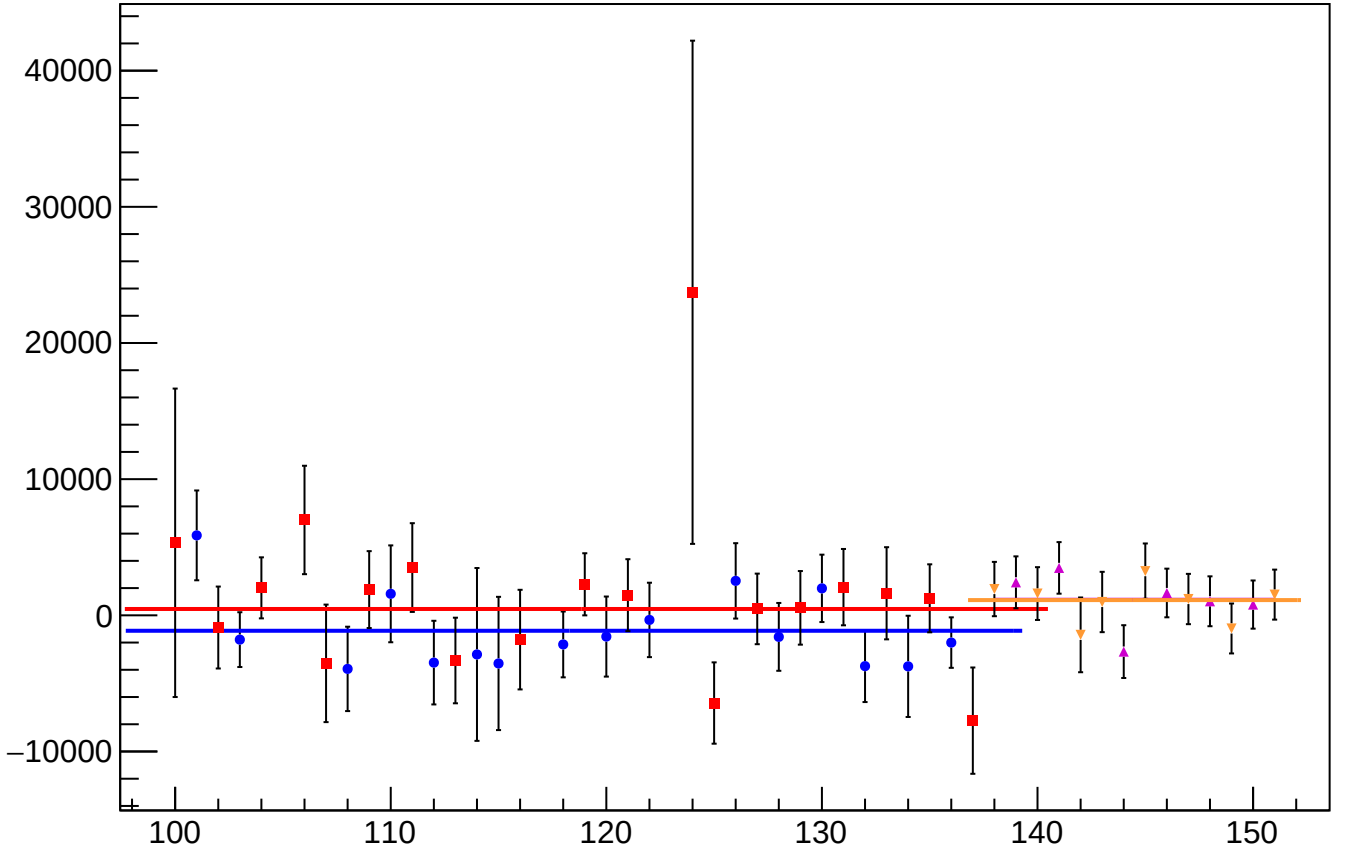
Left In: 3301.922+/-1.025 χ^2/NDF:108010.9/5

+ sign 3603.801+/-0.711 χ^2/NDF: 840524.4/23

All: 1483.094+/-0.308 χ^2/NDF: 28344961.6/4

- sign 993.789+/-0.342 χ^2/NDF: 16556883.9/24

eigen_cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1118.914+/-710.165 χ^2/NDF:3.5/7

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

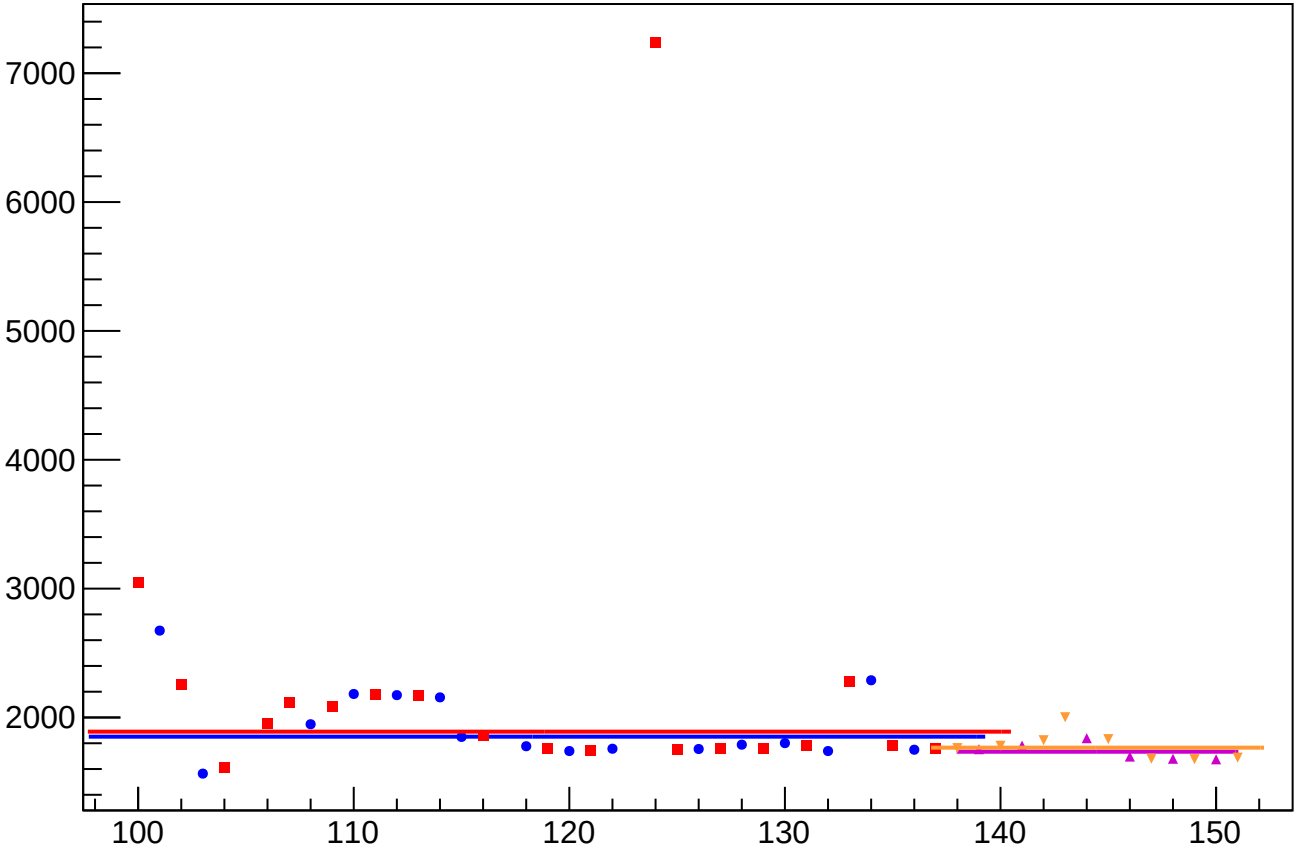
Left In: 1143.853+/-755.668 χ^2/NDF:6.0/5

+ sign -33.933+/-496.269 χ^2/NDF: 20.9/23

All: 358.168+/-357.639 χ^2/NDF: 48.7/48

- sign 781.831+/-515.855 χ^2/NDF: 26.4/24

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1765.785+/-0.502 χ^2/NDF:38377.6/7

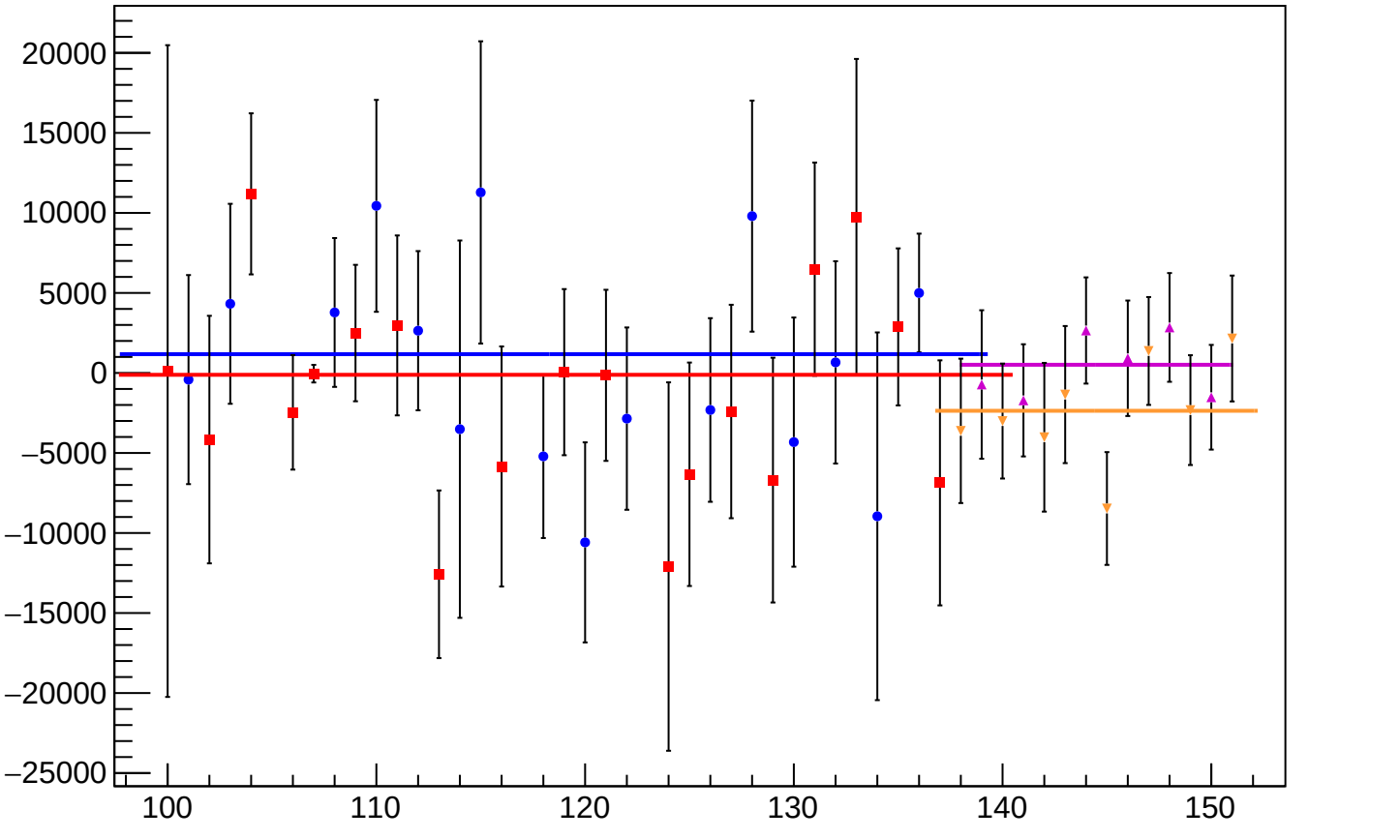
Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1734.196+/-0.534 χ^2/NDF:12193.2/5

+ sign 1809.453+/-0.351 χ^2/NDF: 313138.1/23

All: 1813.349+/-0.253 χ^2/NDF: 730190.6/48

- sign 1817.549+/-0.364 χ^2/NDF: 416796.5/24



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -2363.879+/-1353.648 χ^2/NDF:5.8/7

Right Out: -115.917+/-512.289 χ^2/NDF: 18.6/18

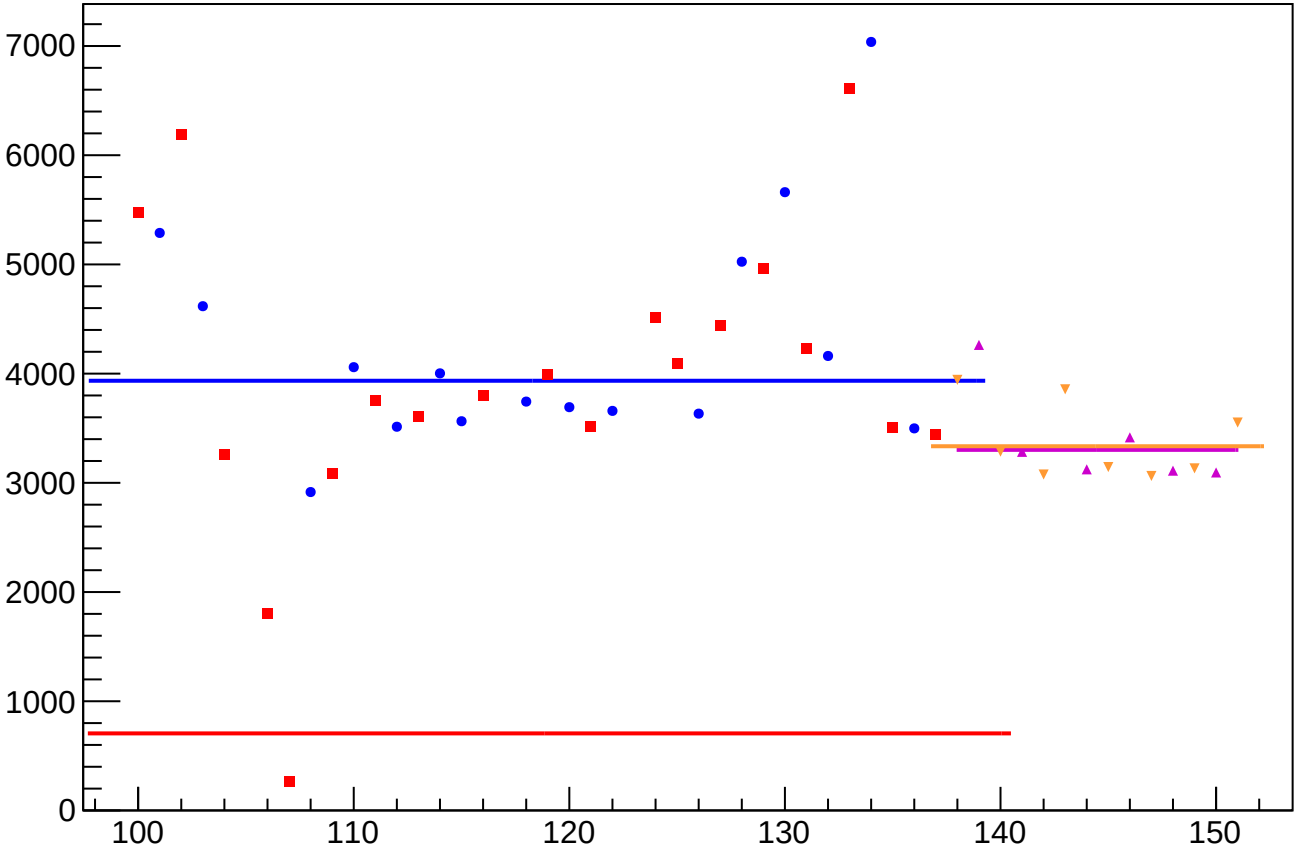
Left In: 511.455+/-1449.847 χ^2/NDF:1.8/5

+ sign -777.764+/-1005.583 χ^2/NDF: 22.6/23

All: -183.416+/-435.399 χ^2/NDF: 43.5/48

- sign -46.283+/-483.023 χ^2/NDF: 20.5/24

asym_atl1r2_dd_eigen_cor_correction_rms vs Slug



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3335.066+/-0.957 χ^2/NDF:104481.8/7

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

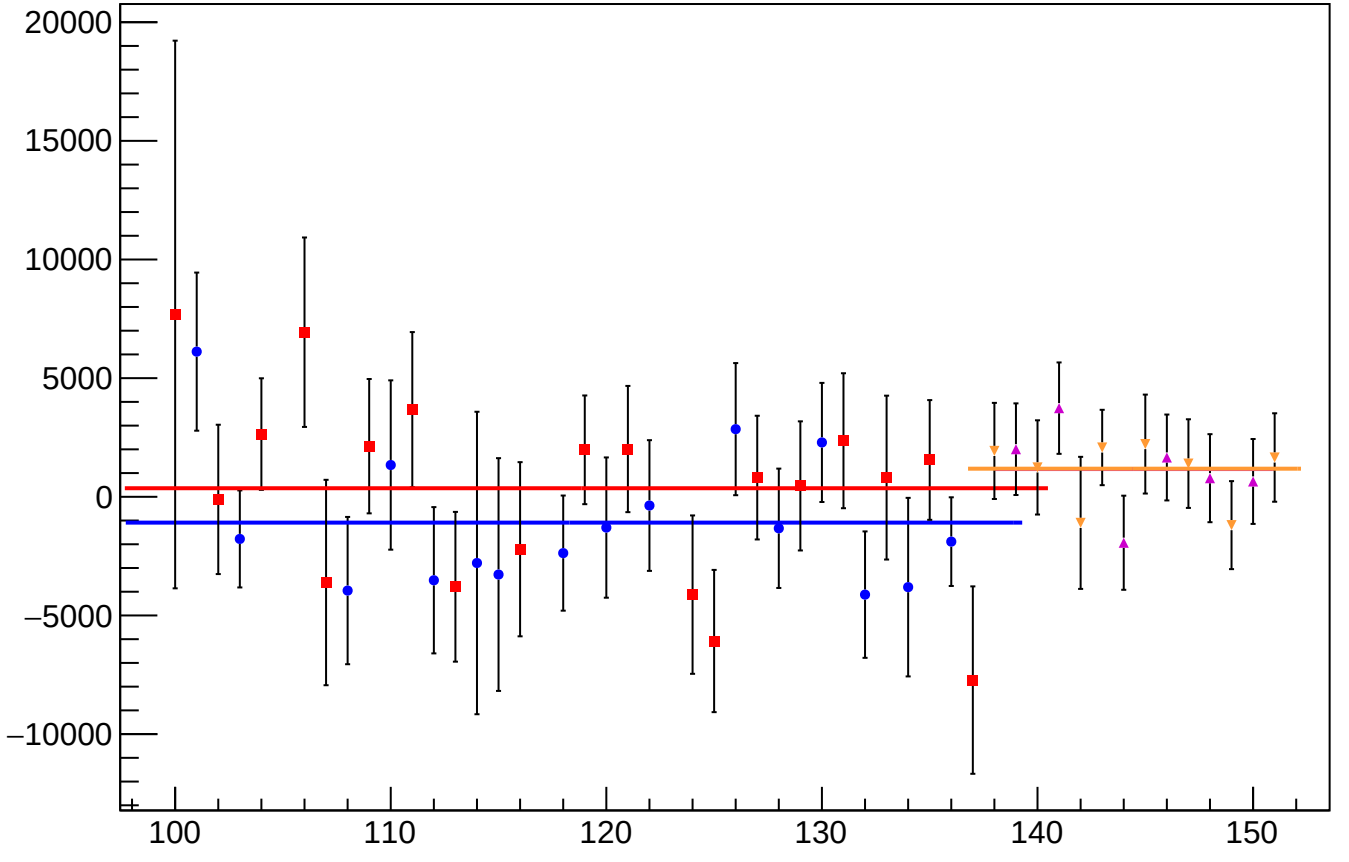
Left In: 3301.922+/-1.025 χ^2/NDF:108010.9/5

+ sign 3603.801+/-0.711 χ^2/NDF: 840524.4/23

All: 1483.094+/-0.308 χ^2/NDF: 28344961.6/4

- sign 993.789+/-0.342 χ^2/NDF: 16556883.9/24

dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.731+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1184.700+/-687.015 χ^2/NDF:3.1/7

Right Out: 361.218+/-699.665 χ^2/NDF: 20.8/18

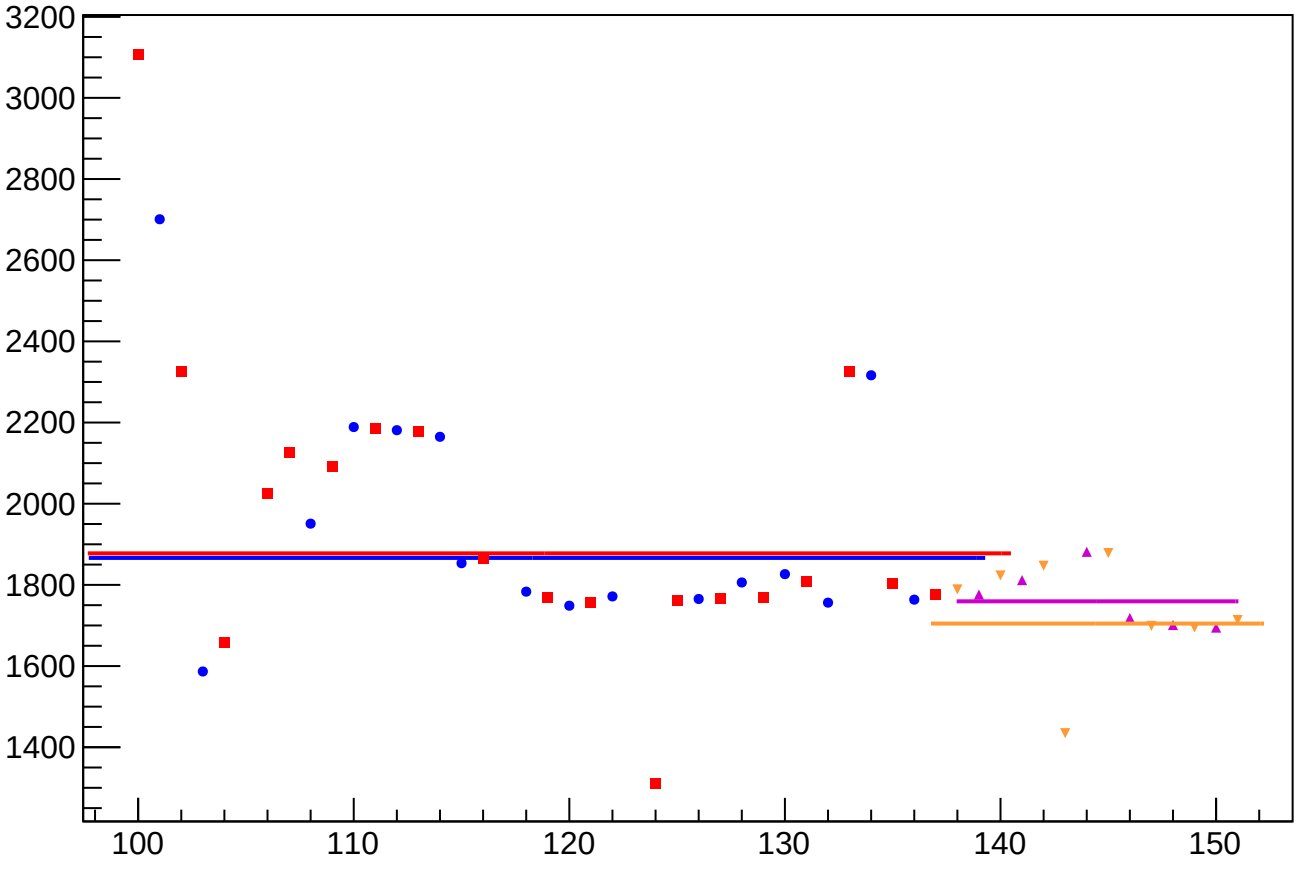
Left In: 1169.912+/-766.790 χ^2/NDF:4.6/5

+ sign 69.073+/-490.175 χ^2/NDF: 21.6/23

All: 381.395+/-355.660 χ^2/NDF: 48.6/48

- sign 728.626+/-516.842 χ^2/NDF: 26.1/24

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1704.705+/-0.486 χ^2/NDF:87710.0/7

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

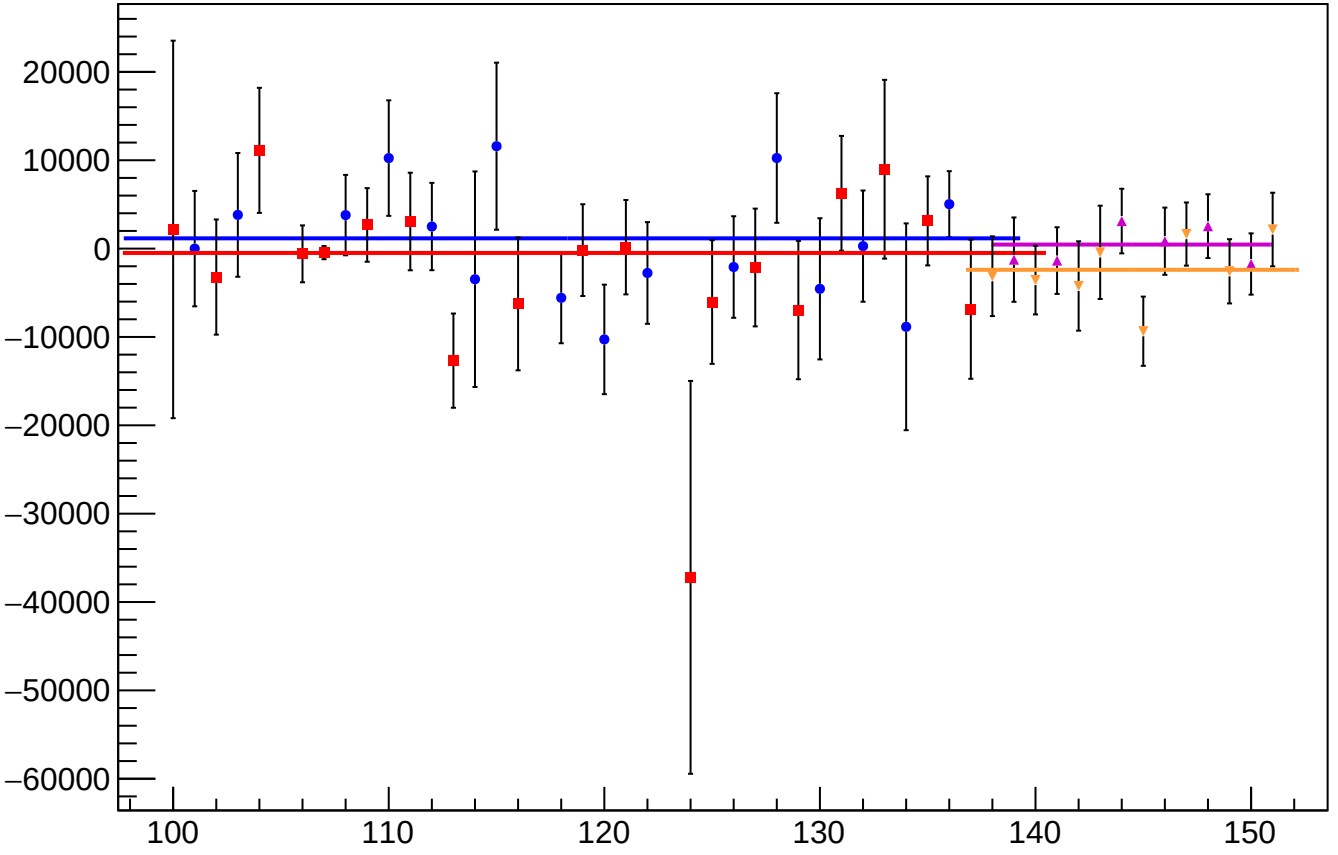
Left In: 1759.464+/-0.542 χ^2/NDF:14823.7/5

+ sign 1784.115+/-0.347 χ^2/NDF: 398399.6/23

All: 1803.015+/-0.251 χ^2/NDF: 697300.0/48

- sign 1824.009+/-0.365 χ^2/NDF: 292624.3/24

asym_atl1r2_dd_dit_correction_mean vs Slug



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -2399.020+/-1463.438 χ^2/NDF:6.0/7

Right Out: -492.907+/-658.510 χ^2/NDF: 16.9/18

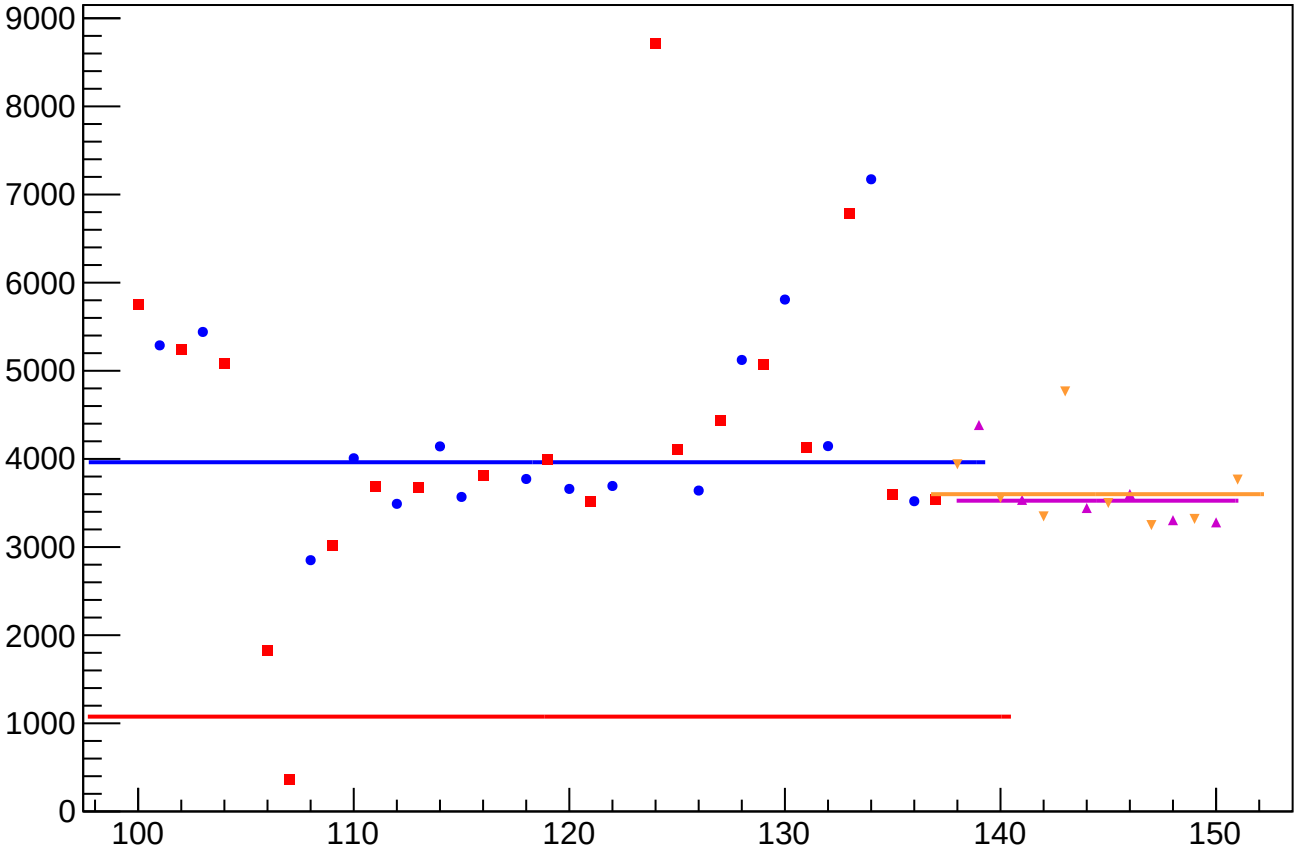
Left In: 457.771+/-1546.618 χ^2/NDF:1.6/5

+ sign -677.303+/-1051.631 χ^2/NDF: 22.5/23

All: -429.324+/-524.983 χ^2/NDF: 41.5/48

- sign -347.013+/-605.878 χ^2/NDF: 18.9/24

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 3600.009+/-1.035 χ^2/NDF:149594.8/7

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

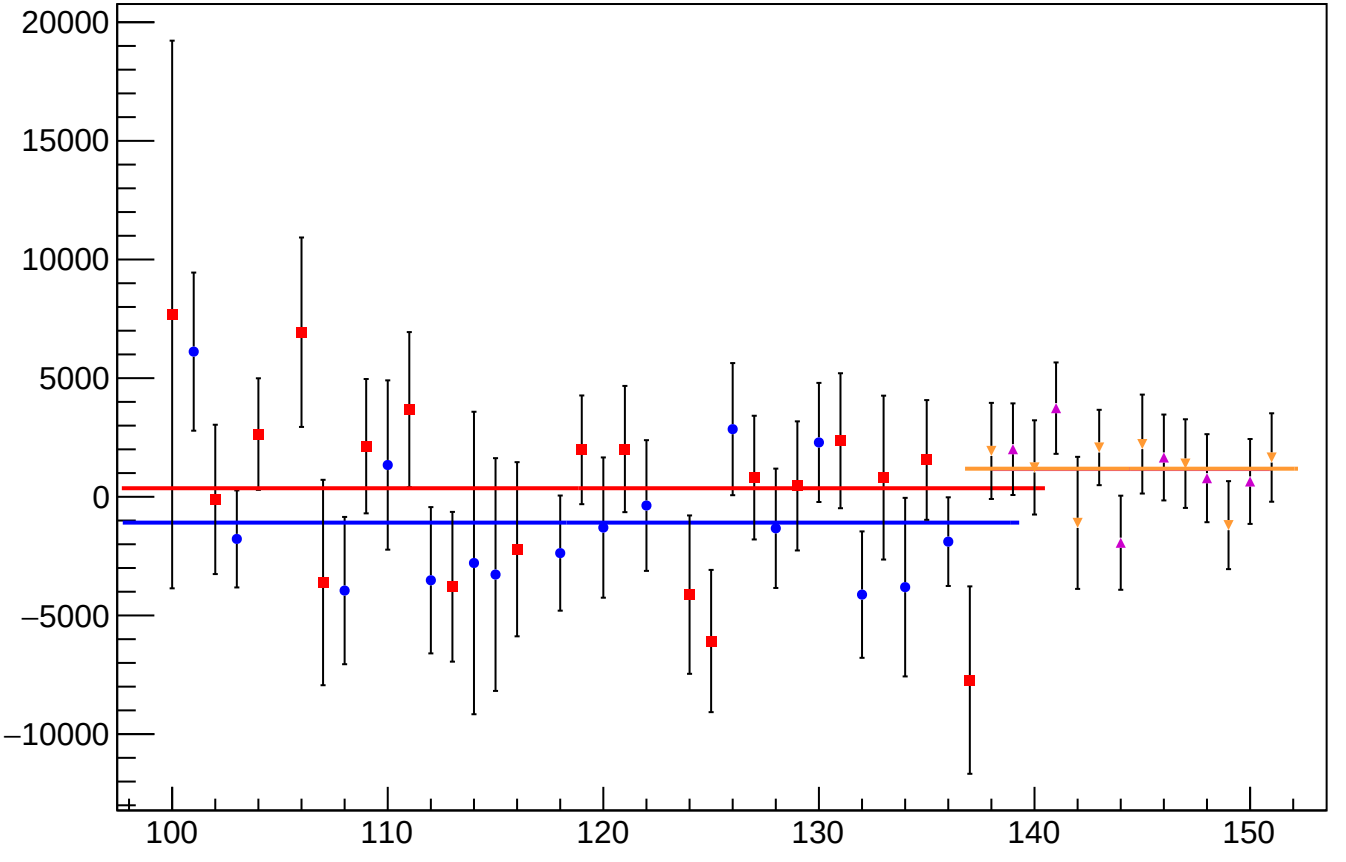
Left In: 3526.004+/-1.094 χ^2/NDF:84062.3/5

+ sign 3775.249+/-0.744 χ^2/NDF: 877234.3/23

All: 2030.936+/-0.371 χ^2/NDF: 22097183.9/4

- sign 1451.950+/-0.428 χ^2/NDF: 13891158.5/24

eigen_dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.736+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1184.694+/-687.016 χ^2/NDF:3.1/7

Right Out: 361.223+/-699.665 χ^2/NDF: 20.8/18

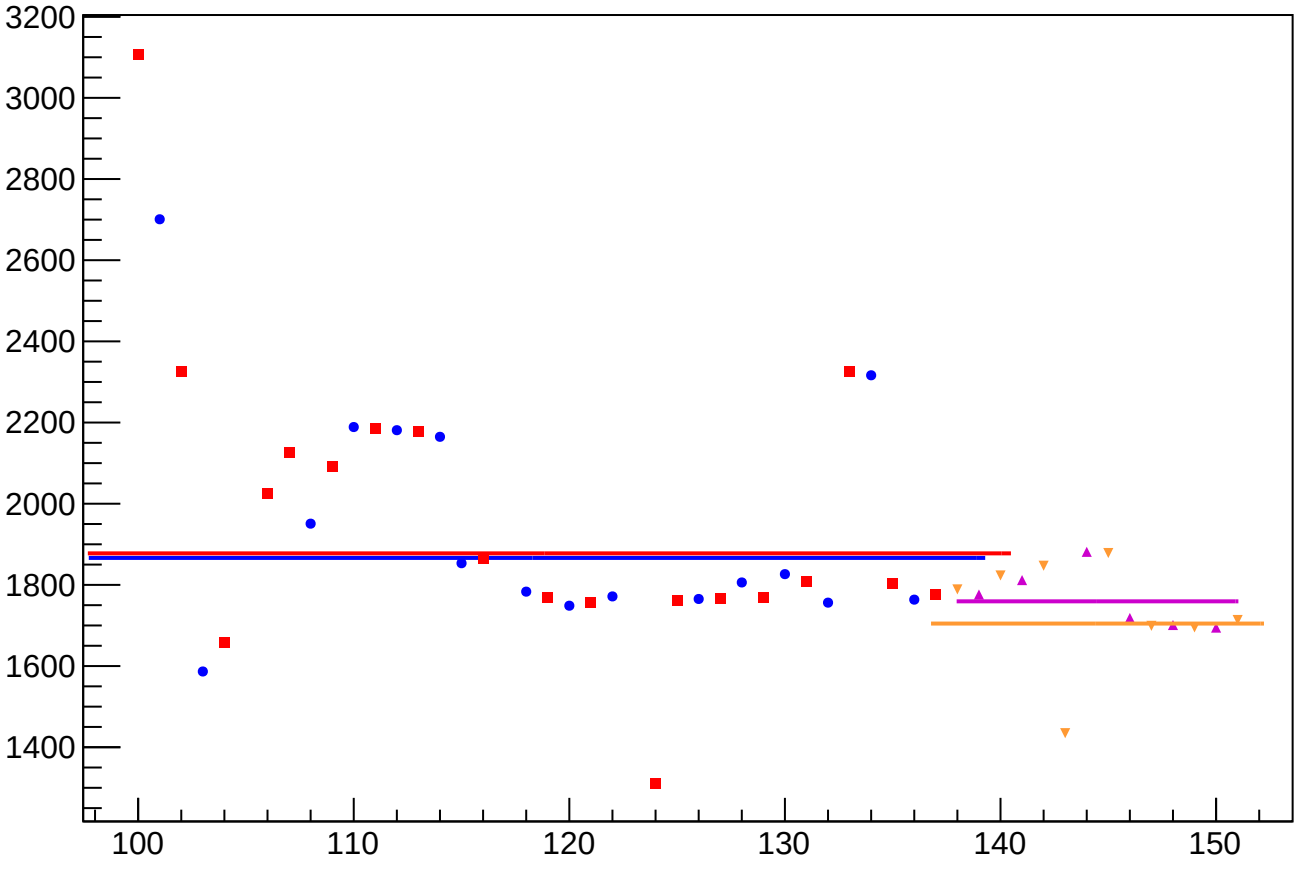
Left In: 1169.910+/-766.790 χ^2/NDF:4.6/5

+ sign 69.067+/-490.175 χ^2/NDF: 21.6/23

All: 381.393+/-355.660 χ^2/NDF: 48.6/48

- sign 728.627+/-516.843 χ^2/NDF: 26.1/24

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1704.706+/-0.486 χ^2/NDF:87709.1/7

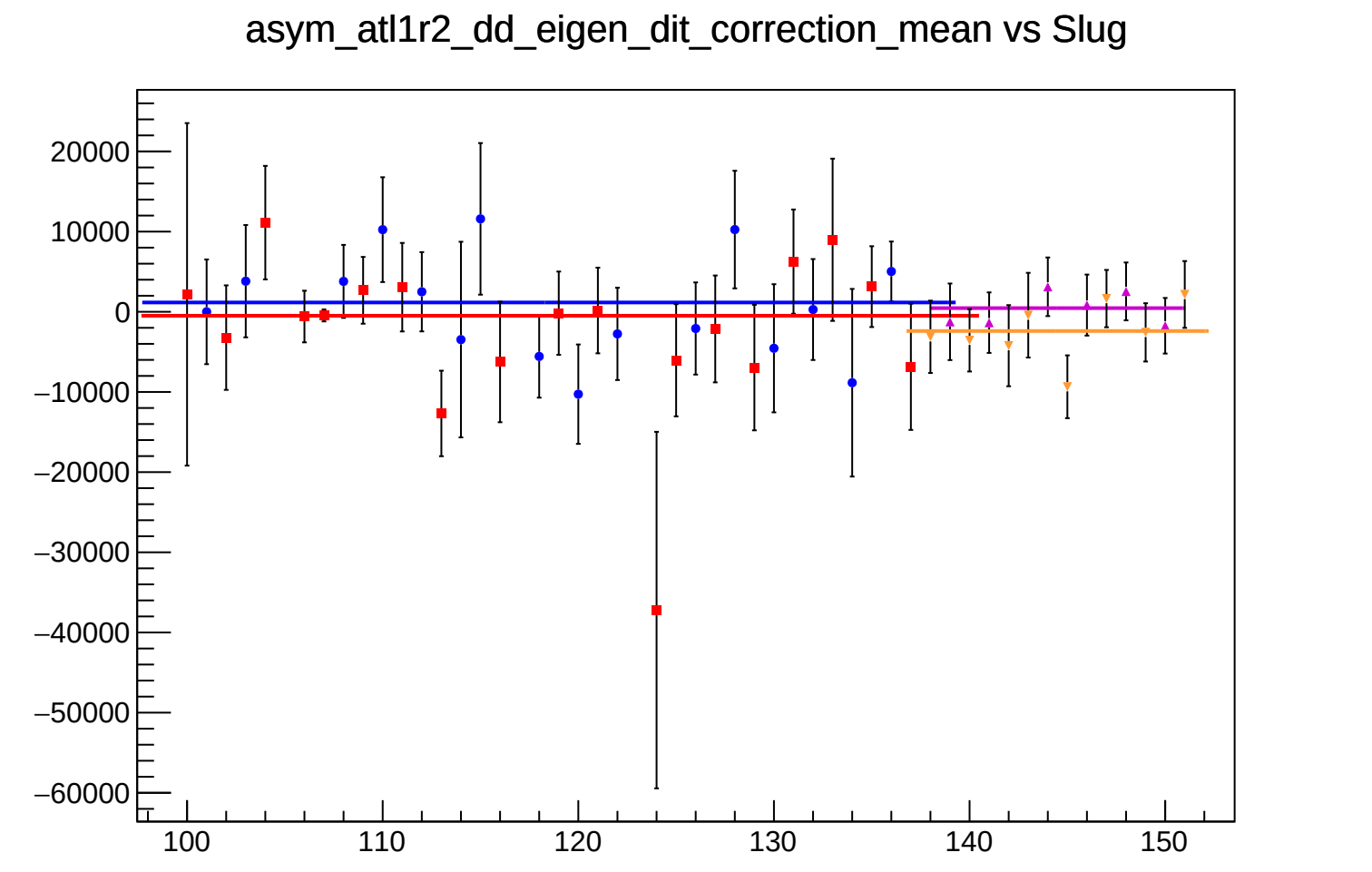
Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1759.464+/-0.542 χ^2/NDF:14823.6/5

\+ sign 1784.116+/-0.347 χ^2/NDF: 398397.8/23

All: 1803.015+/-0.251 χ^2/NDF: 697298.1/48

\- sign 1824.009+/-0.365 χ^2/NDF: 292624.2/24



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -2399.023+/-1463.439 χ^2/NDF:6.0/7

Right Out: -492.914+/-658.521 χ^2/NDF: 16.9/18

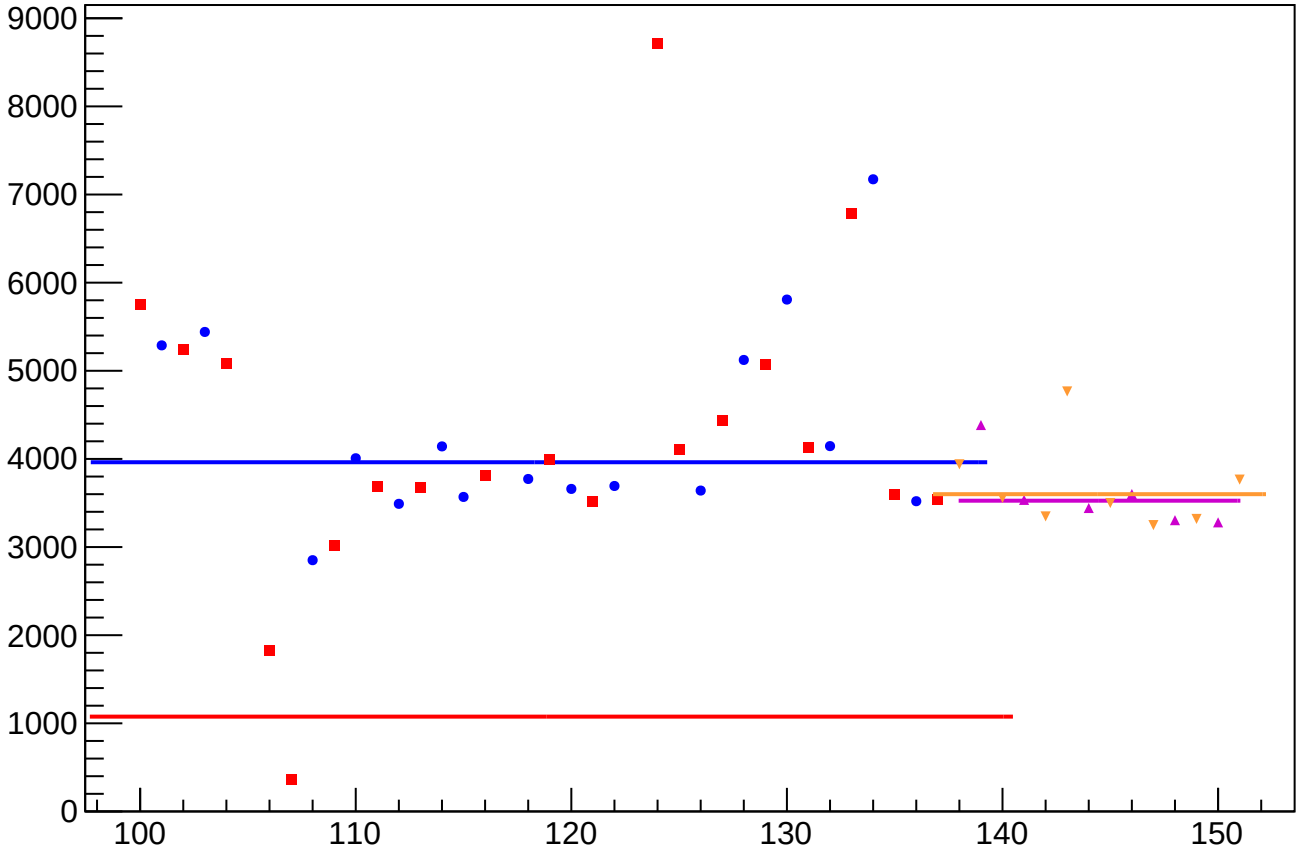
Left In: 457.767+/-1546.620 χ^2/NDF:1.6/5

+ sign -677.309+/-1051.631 χ^2/NDF: 22.5/23

All: -429.330+/-524.988 χ^2/NDF: 41.5/48

- sign -347.016+/-605.887 χ^2/NDF: 18.9/24

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 3600.013+/-1.035 χ^2/NDF:149593.2/7

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

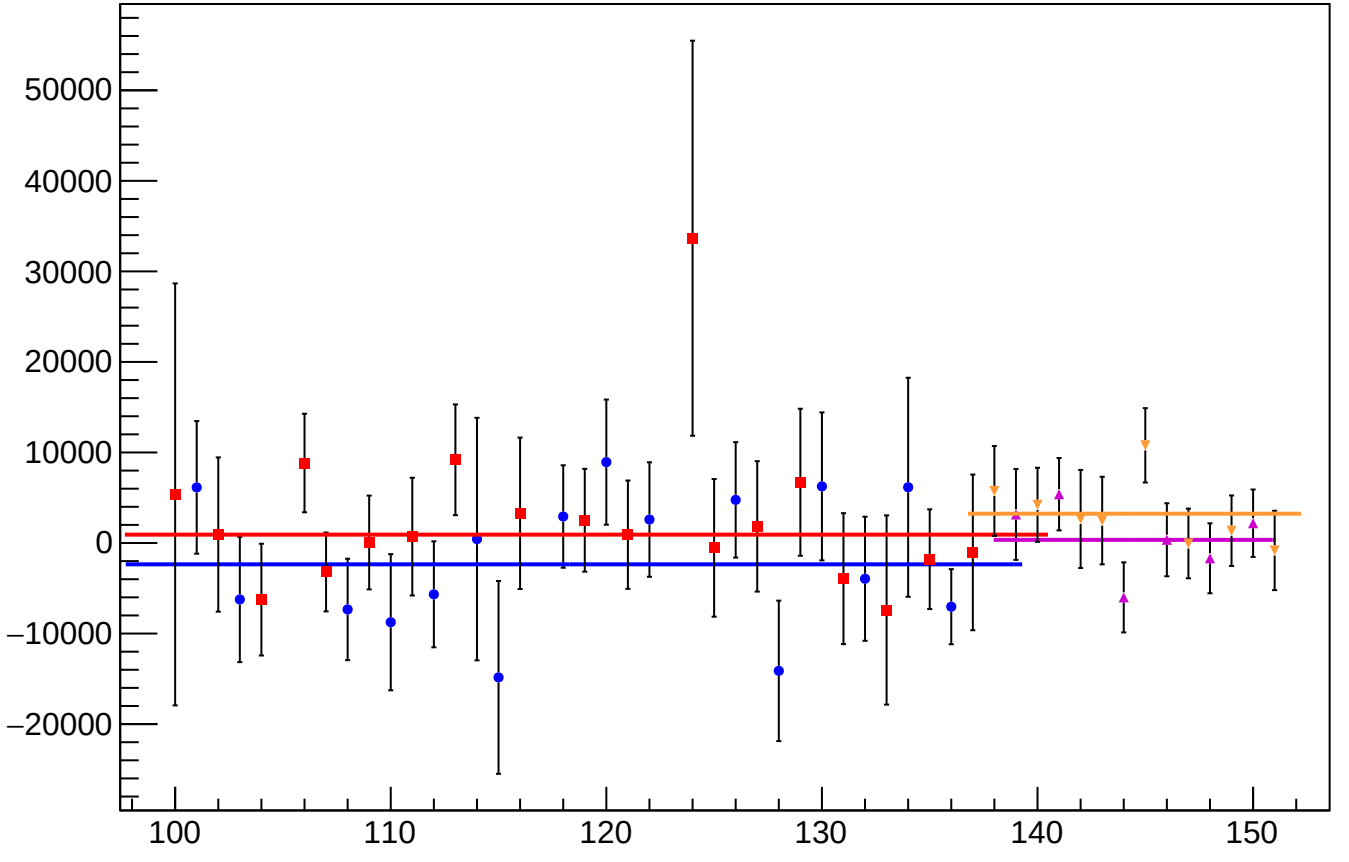
Left In: 3526.009+/-1.094 χ^2/NDF:84062.6/5

+ sign 3775.248+/-0.744 χ^2/NDF: 877225.7/23

All: 2030.976+/-0.371 χ^2/NDF: 22096644.2/4

- sign 1451.986+/-0.428 χ^2/NDF: 13890908.0/24

asym_atl1r2_dd_mean vs Slug



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 3234.368+/-1538.958 χ^2/NDF:5.5/7

Right Out: 924.896+/-1546.889 χ^2/NDF: 10.6/18

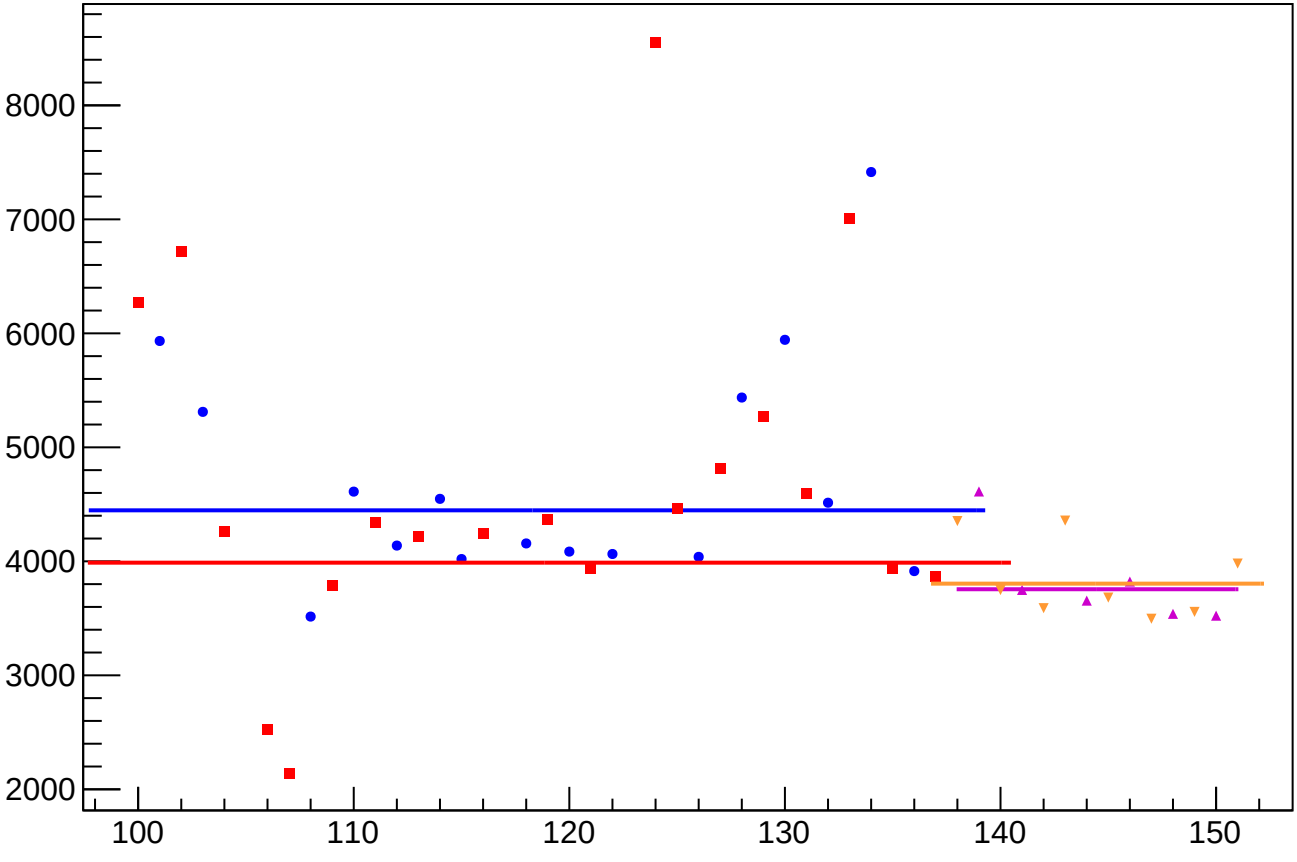
Left In: 348.708+/-1644.086 χ^2/NDF:5.1/5

+ sign 692.071+/-1136.271 χ^2/NDF: 27.1/23

All: 673.043+/-800.028 χ^2/NDF: 42.9/48

- sign 654.337+/-1126.611 χ^2/NDF: 15.8/24

asym_atl1r2_dd_rms vs Slug



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 3804.238+/-1.088 χ^2/NDF:80135.5/7

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

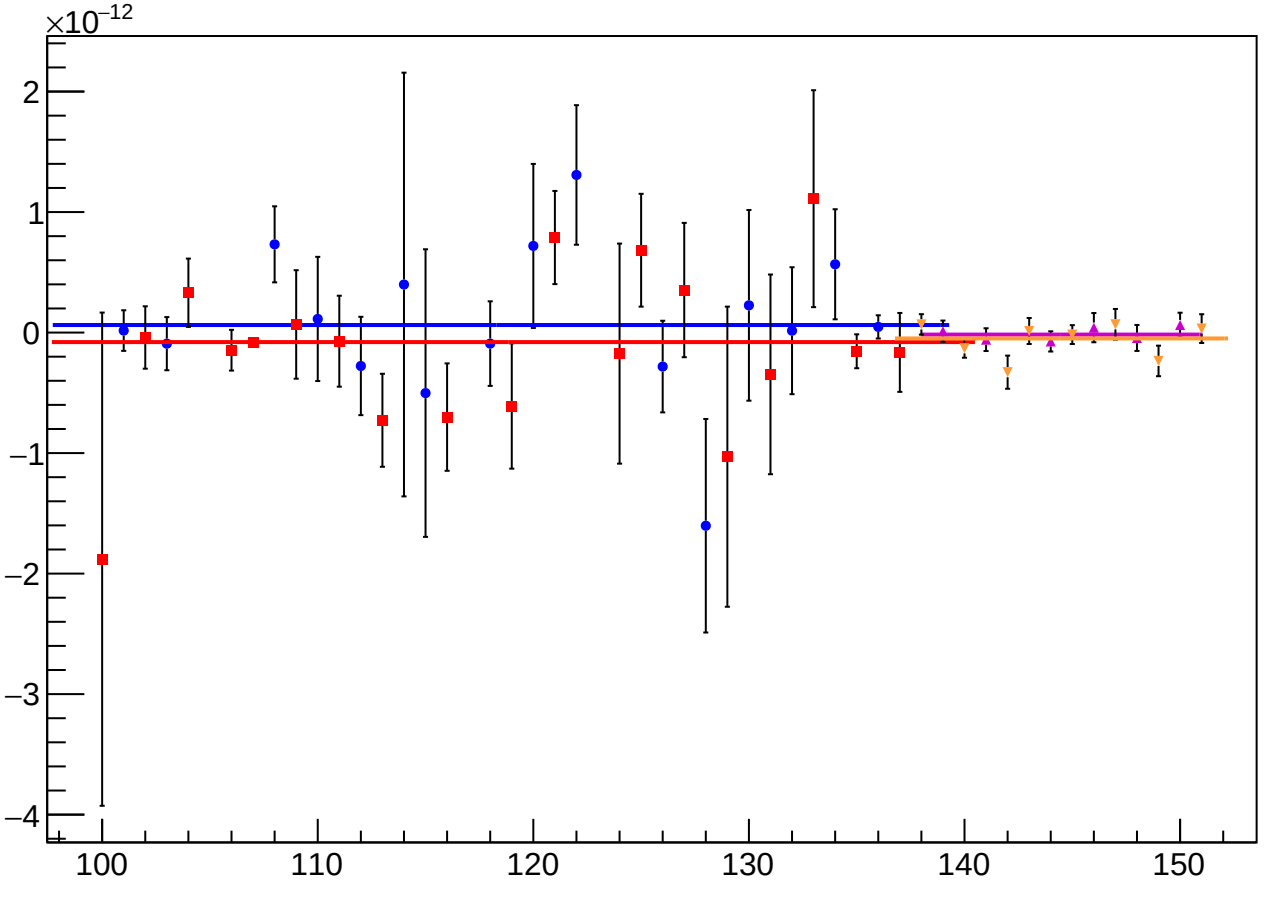
Left In: 3755.159+/-1.163 χ^2/NDF:74345.9/5

+ sign 4096.796+/-0.803 χ^2/NDF: 697286.7/23

All: 3986.873+/-0.564 χ^2/NDF: 1974010.7/48

- sign 3879.954+/-0.792 χ^2/NDF: 1239801.1/24

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:11.1/7

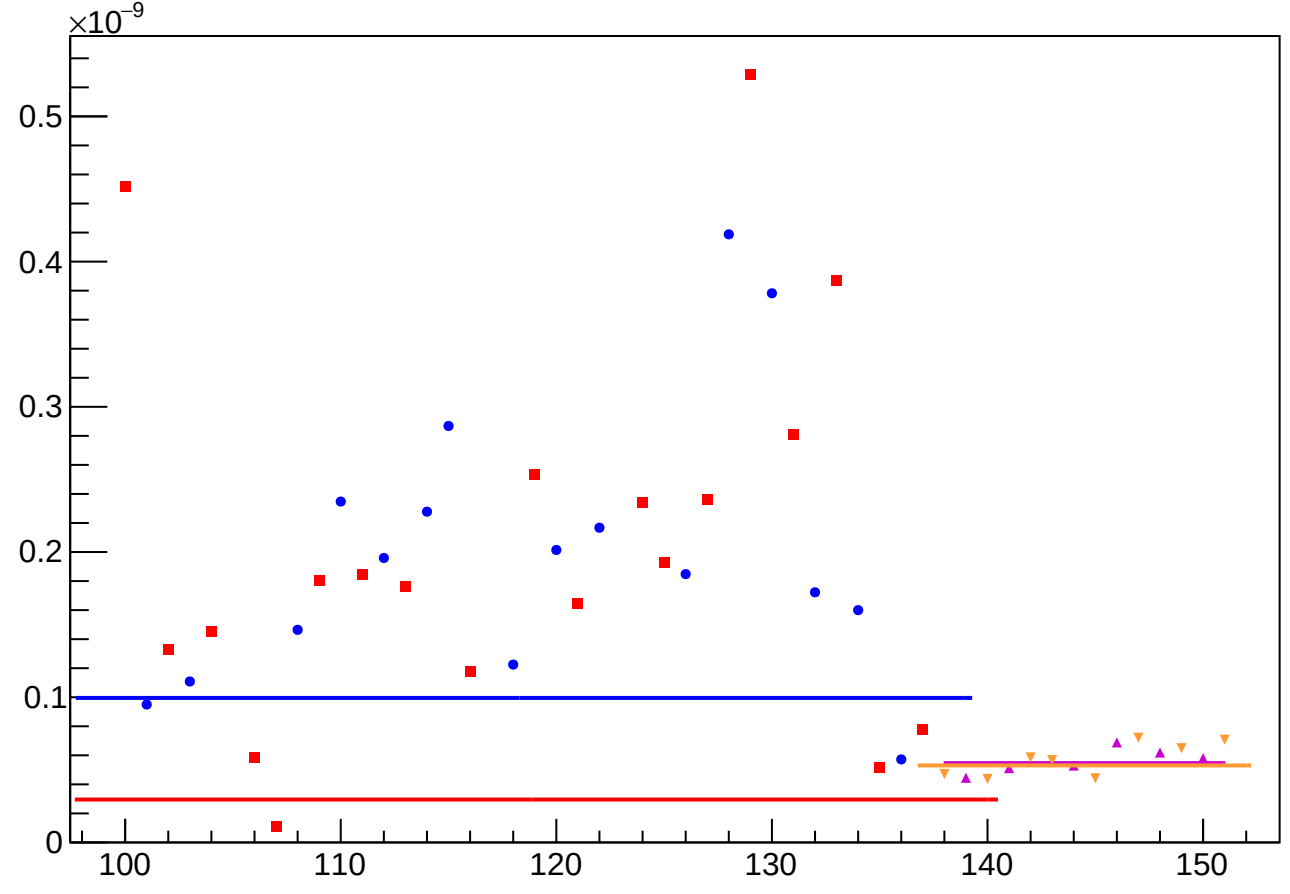
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/18

Left In: -0.000+/-0.000 χ^2/NDF:1.7/5

+ sign -0.000+/-0.000 χ^2/NDF: 30.7/23

All: -0.000+/-0.000 χ^2/NDF: 54.3/48

- sign -0.000+/-0.000 χ^2/NDF: 23.2/24



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:175309.1/7

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

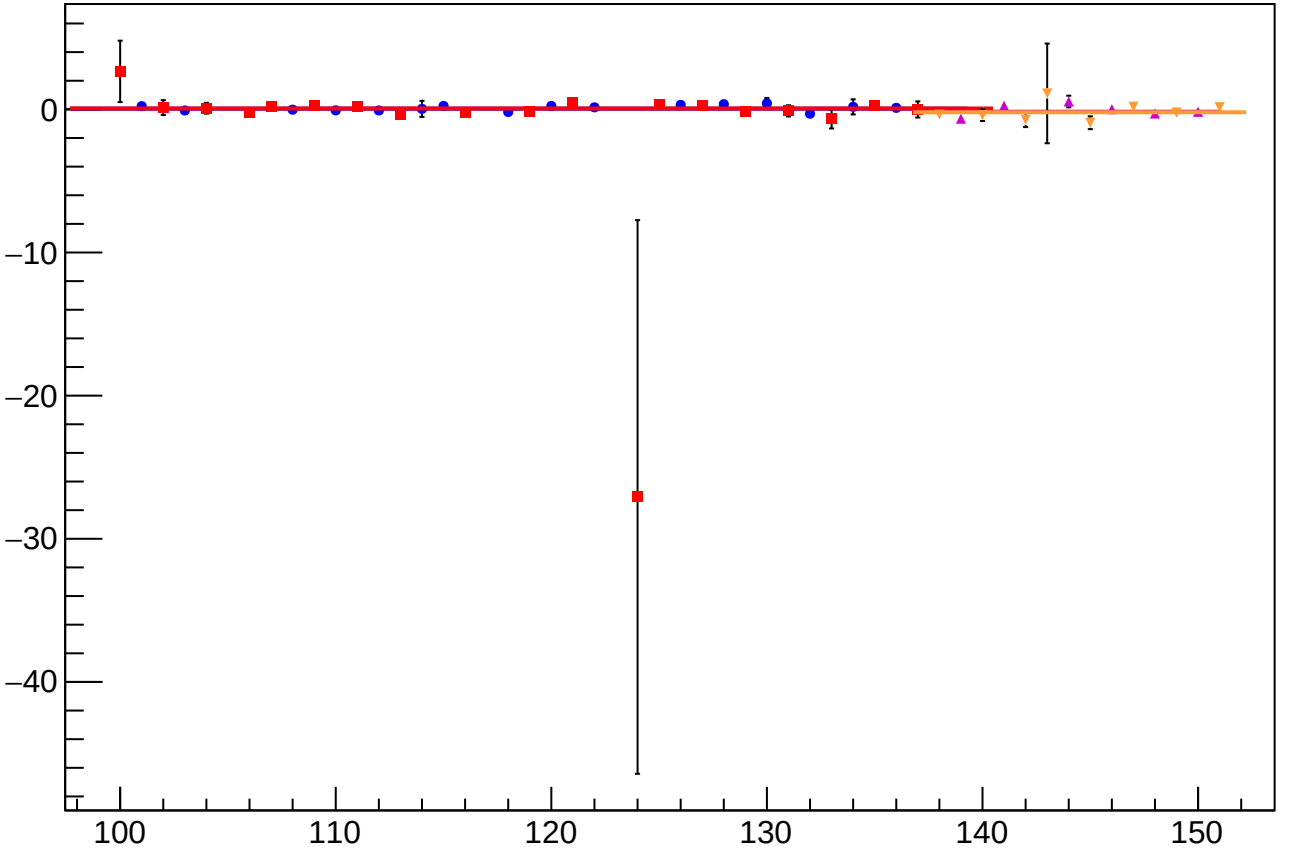
Left In: 0.000+/-0.000 χ^2/NDF:68681.8/5

+ sign 0.000+/-0.000 χ^2/NDF: 2472848.0/23

All: 0.000+/-0.000 χ^2/NDF: 8021450.1/48

- sign 0.000+/-0.000 χ^2/NDF: 4901210.0/24

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.203+/-0.126 χ^2/NDF:7.7/7

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

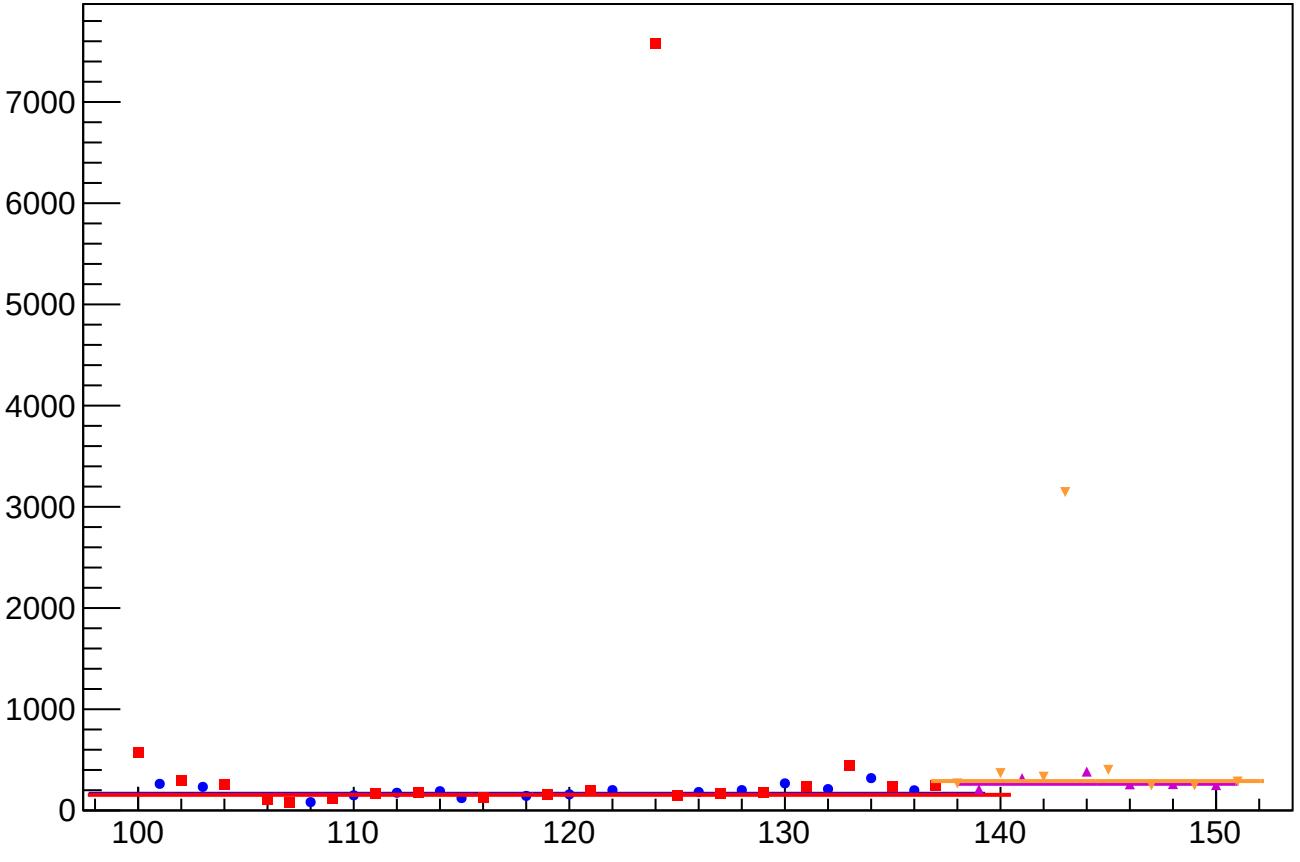
Left In: -0.164+/-0.118 χ^2/NDF:9.3/5

+ sign -0.006+/-0.059 χ^2/NDF: 18.4/23

All: 0.002+/-0.041 χ^2/NDF: 48.9/48

- sign 0.010+/-0.057 χ^2/NDF: 30.5/24

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 290.253+/-0.089 χ^2/NDF:1663186.8/7

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

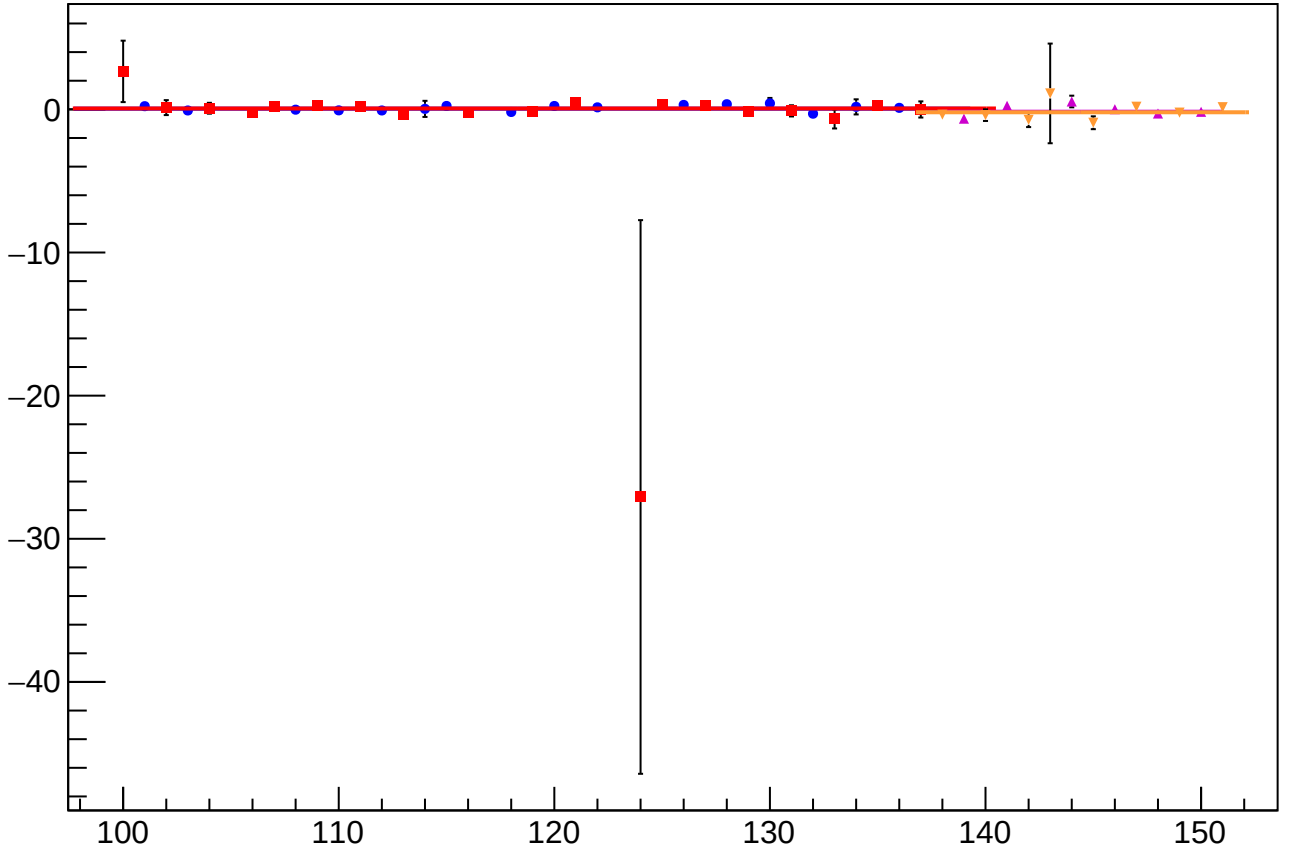
Left In: 263.362+/-0.084 χ^2/NDF:336371.5/5

+ sign 191.955+/-0.042 χ^2/NDF: 4678618.4/23

All: 185.405+/-0.029 χ^2/NDF: 8295513.4/48

- sign 179.346+/-0.040 χ^2/NDF: 3569117.1/24

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.203+/-0.126 χ^2/NDF:7.7/7

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

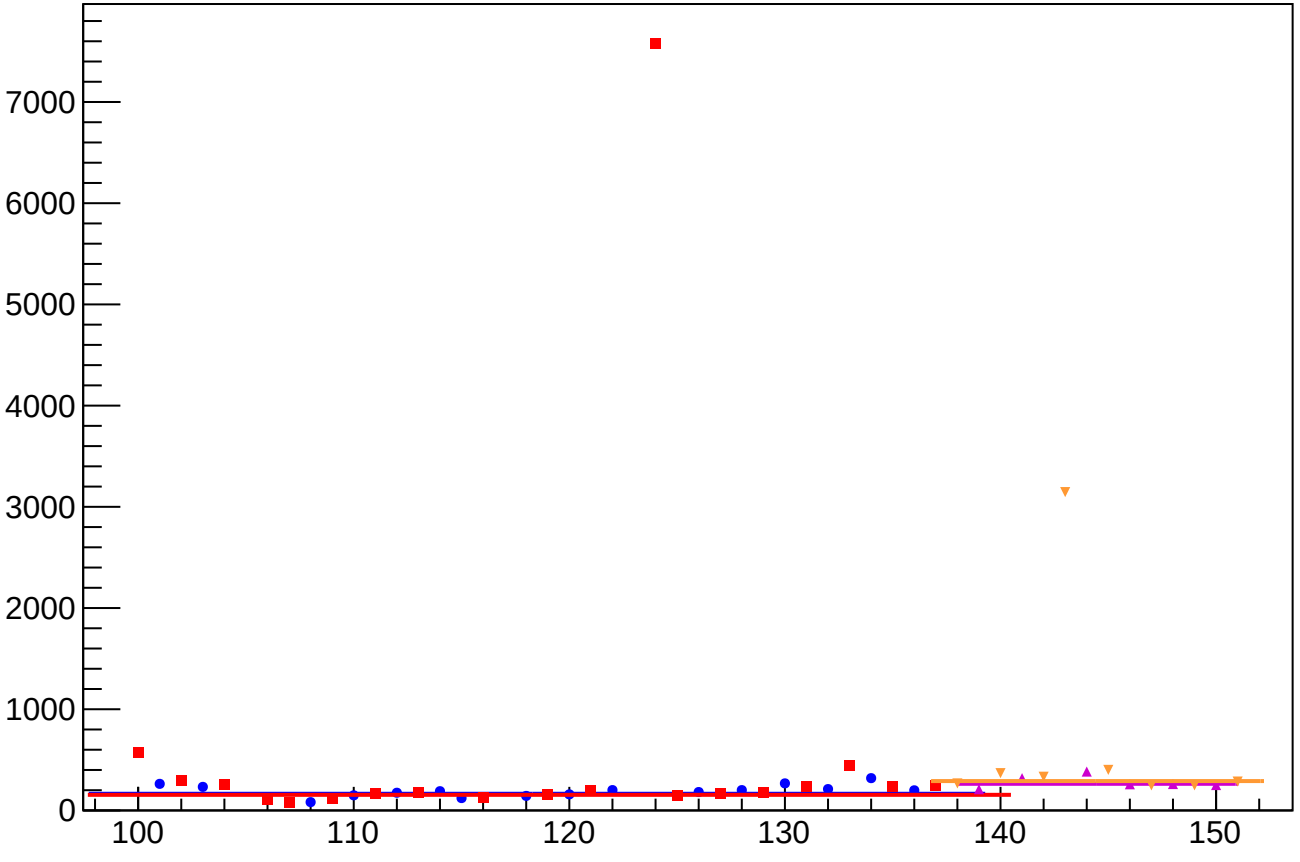
Left In: -0.164+/-0.118 χ^2/NDF:9.3/5

+ sign -0.006+/-0.059 χ^2/NDF: 18.4/23

All: 0.002+/-0.041 χ^2/NDF: 48.9/48

- sign 0.010+/-0.057 χ^2/NDF: 30.5/24

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: 290.253+/-0.089 χ^2/NDF:1663186.8/7

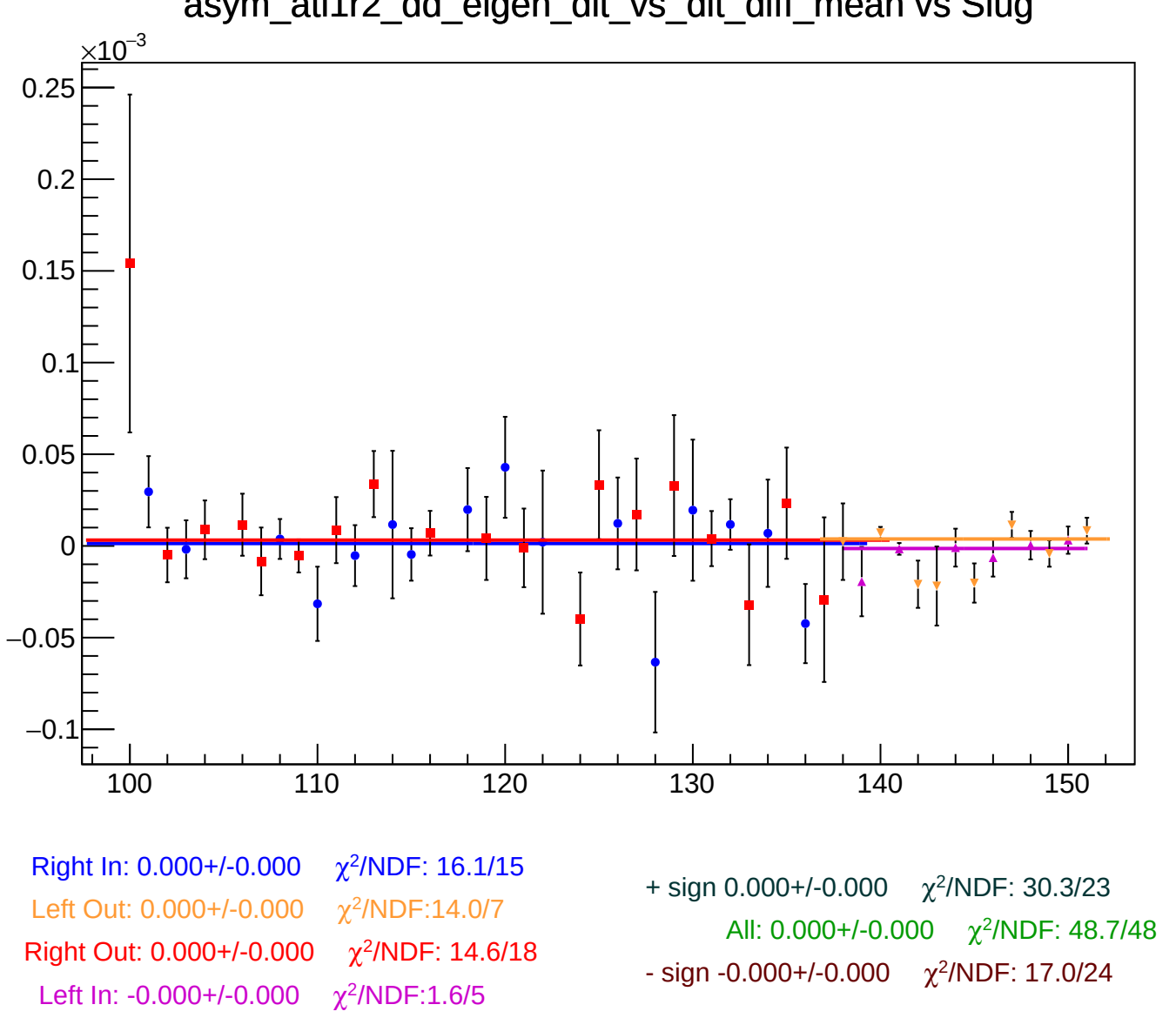
Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

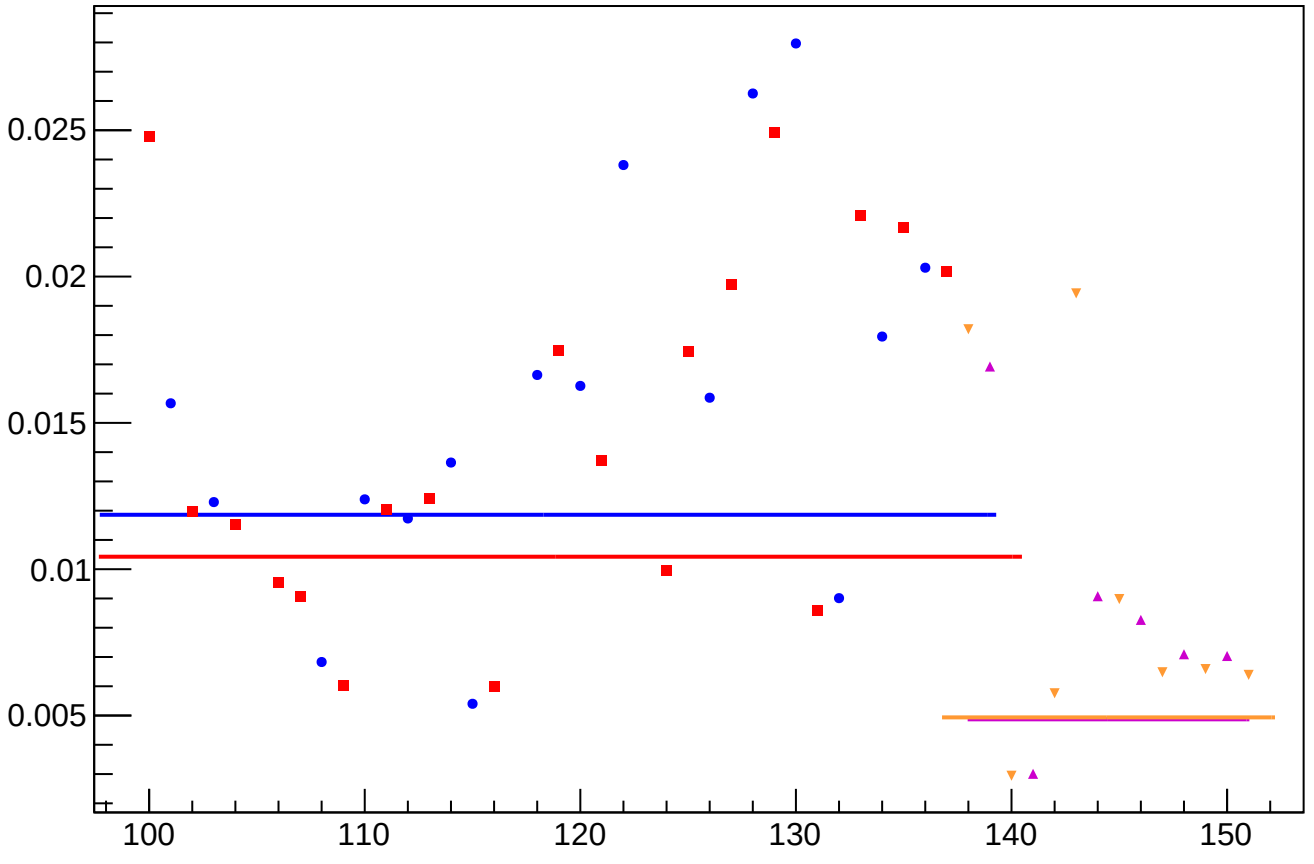
Left In: 263.362+/-0.084 χ^2/NDF:336371.5/5

+ sign 191.955+/-0.042 χ^2/NDF: 4678618.4/23

All: 185.405+/-0.029 χ^2/NDF: 8295513.4/48

- sign 179.346+/-0.040 χ^2/NDF: 3569117.1/24


asym_atl1r2_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 16.1/15
Left Out: 0.000+/-0.000 χ²/NDF:14.0/7
Right Out: 0.000+/-0.000 χ²/NDF: 14.6/18
Left In: -0.000+/-0.000 χ²/NDF:1.6/5
+ sign 0.000+/-0.000 χ²/NDF: 30.3/23
All: 0.000+/-0.000 χ²/NDF: 48.7/48
- sign -0.000+/-0.000 χ²/NDF: 17.0/24



Right In: 0.012+/-0.000 χ^2/NDF: 2407192.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:3058186.0/7

Right Out: 0.010+/-0.000 χ^2/NDF: 2355101.8/18

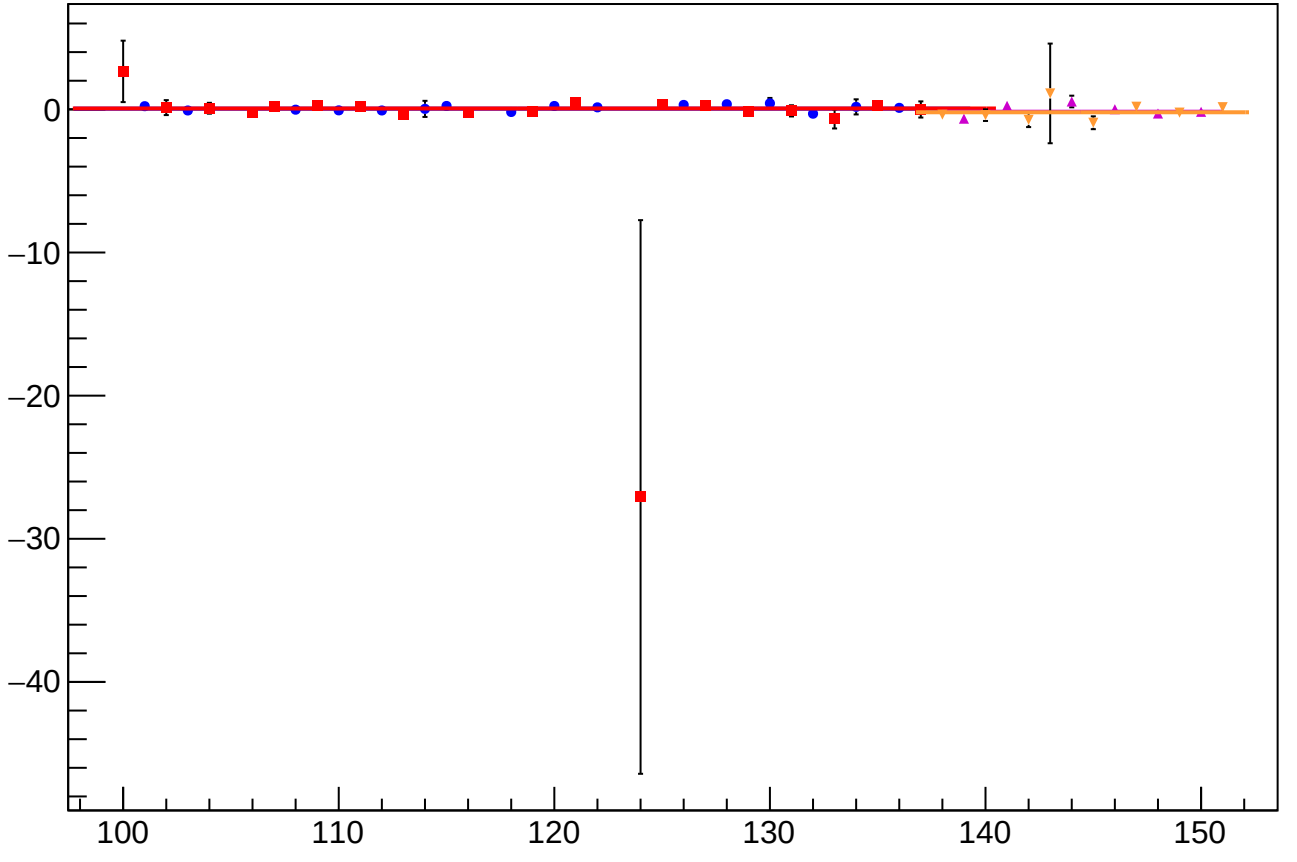
Left In: 0.005+/-0.000 χ^2/NDF:2370157.6/5

+ sign 0.006+/-0.000 χ^2/NDF: 8719468.1/23

All: 0.006+/-0.000 χ^2/NDF: 15969926.1/48

- sign 0.006+/-0.000 χ^2/NDF: 7249402.9/24

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: -0.203+/-0.126 χ^2/NDF:7.7/7

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

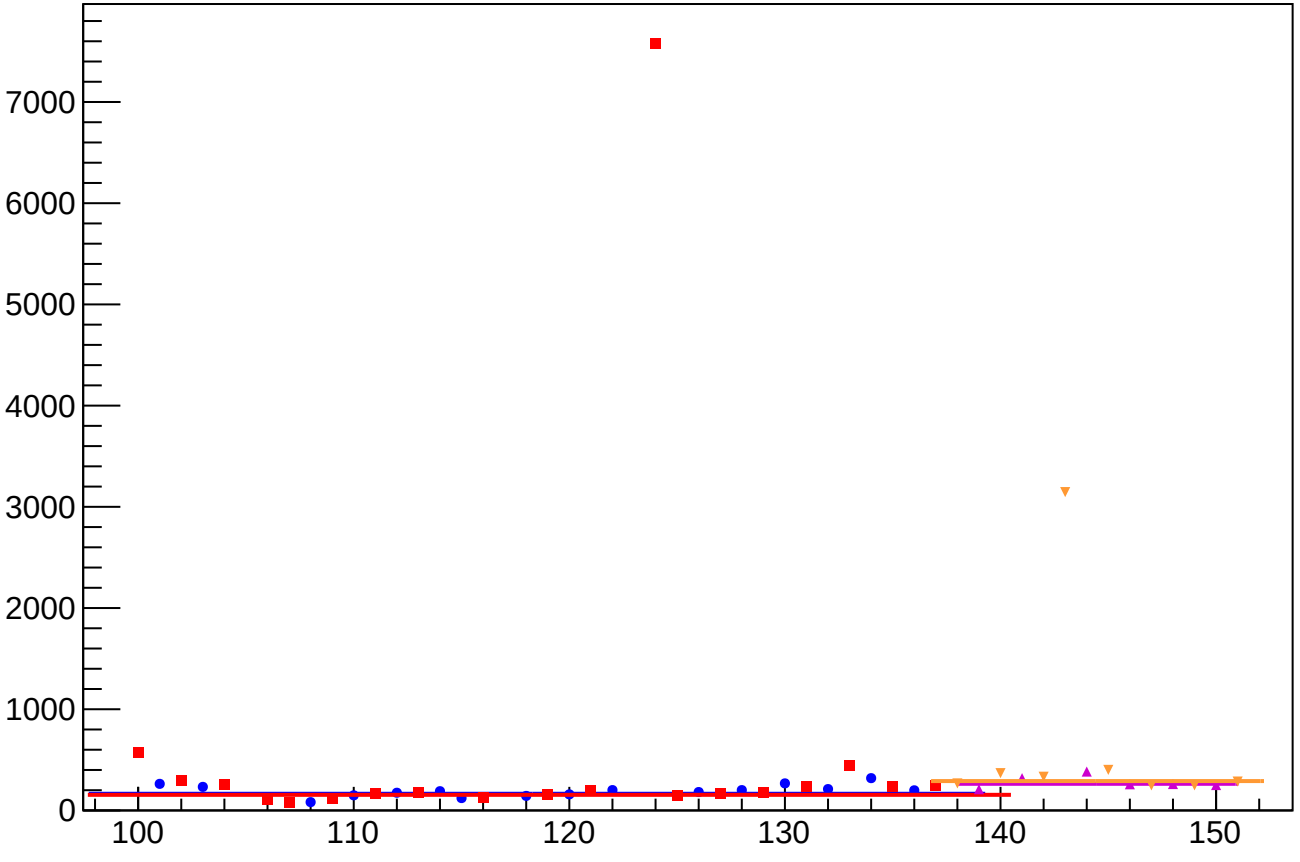
Left In: -0.164+/-0.118 χ^2/NDF:9.3/5

+ sign -0.006+/-0.059 χ^2/NDF: 18.4/23

All: 0.002+/-0.041 χ^2/NDF: 48.9/48

- sign 0.010+/-0.057 χ^2/NDF: 30.5/24

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: 290.256+/-0.089 χ^2/NDF:1663166.6/7

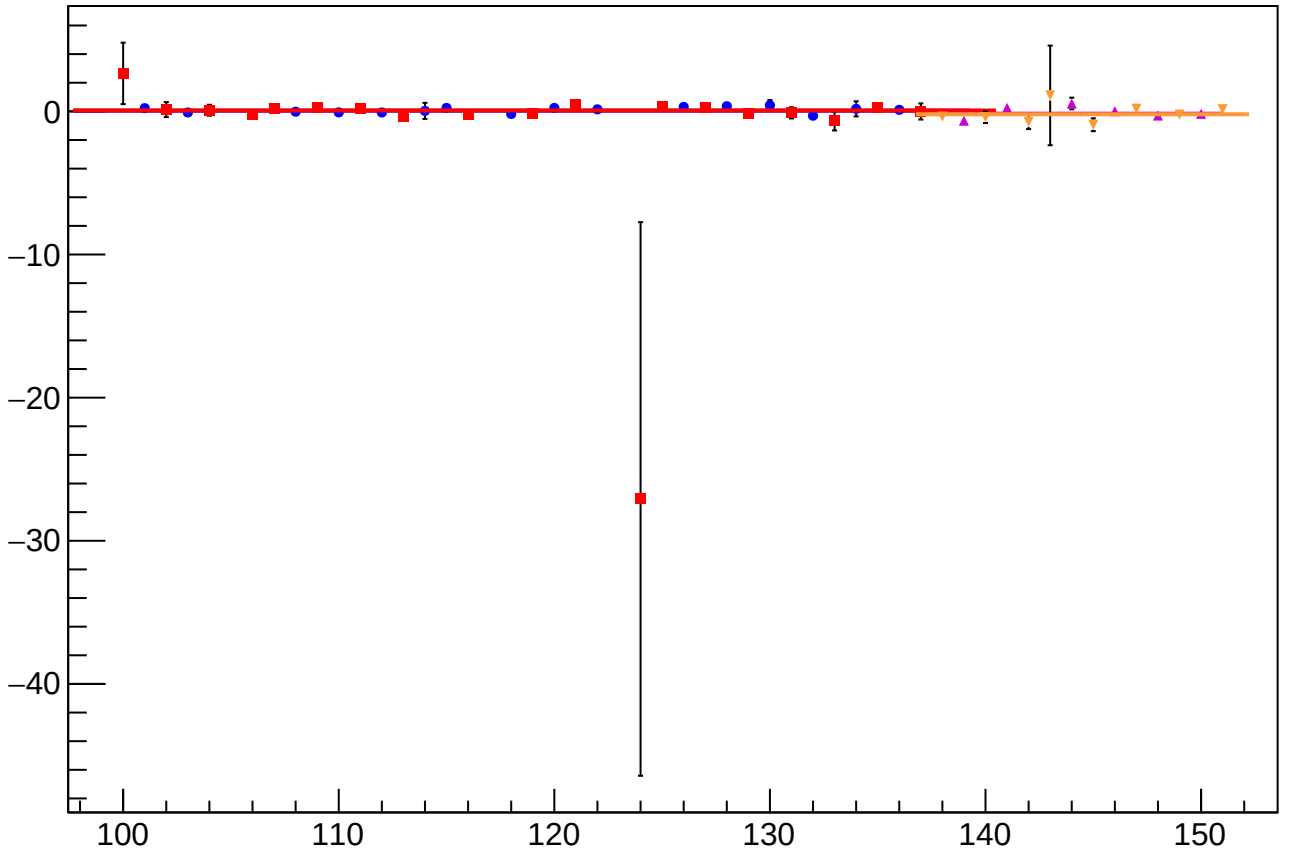
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 263.365+/-0.084 χ^2/NDF:336356.1/5

+ sign 191.955+/-0.042 χ^2/NDF: 4678646.4/23

All: 185.405+/-0.029 χ^2/NDF: 8295622.9/48

- sign 179.346+/-0.040 χ^2/NDF: 3569199.1/24



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.203+/-0.126 χ^2/NDF:7.7/7

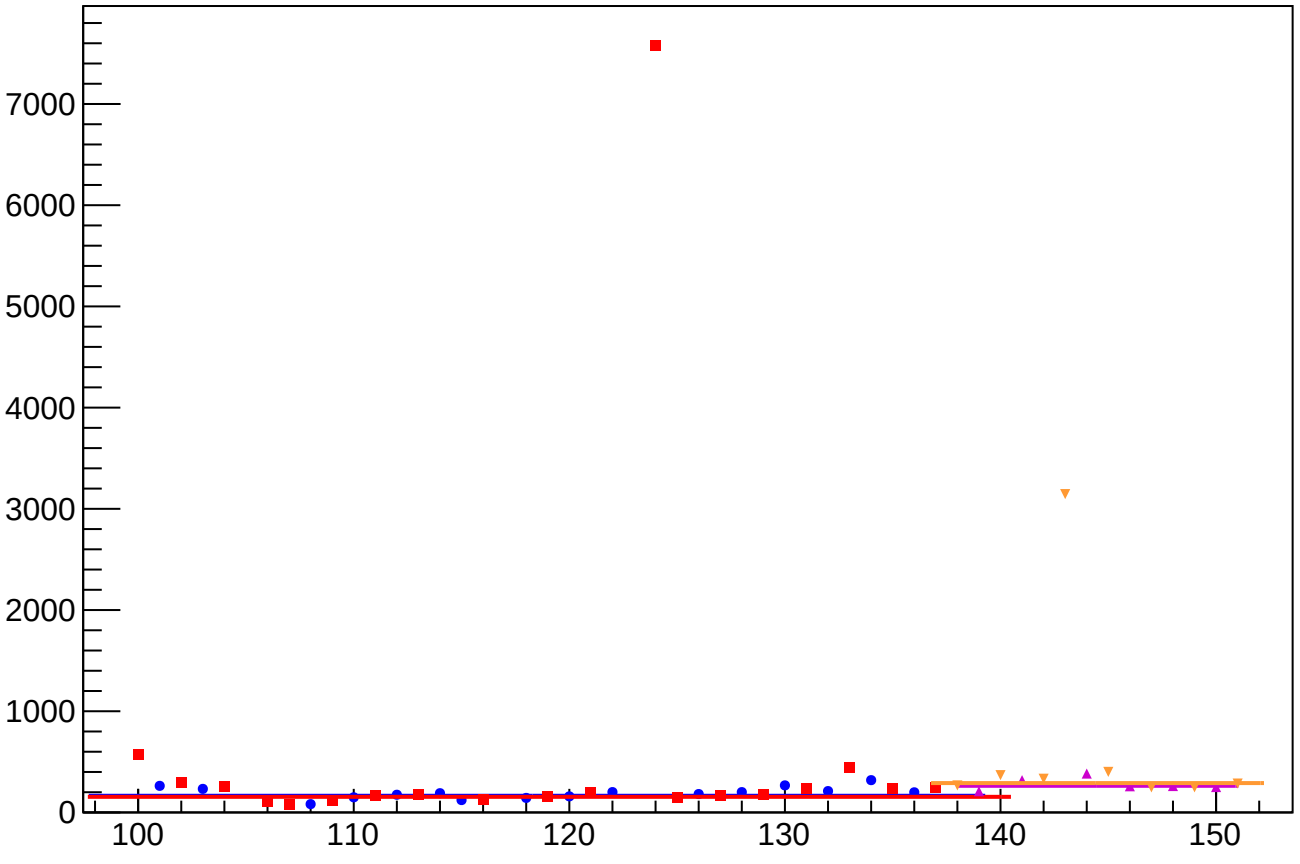
Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: -0.164+/-0.118 χ^2/NDF:9.3/5

\+ sign -0.006+/-0.059 χ^2/NDF: 18.4/23

All: 0.002+/-0.041 χ^2/NDF: 48.9/48

\- sign 0.010+/-0.057 χ^2/NDF: 30.5/24



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 290.256+/-0.089 χ^2/NDF:1663166.6/7

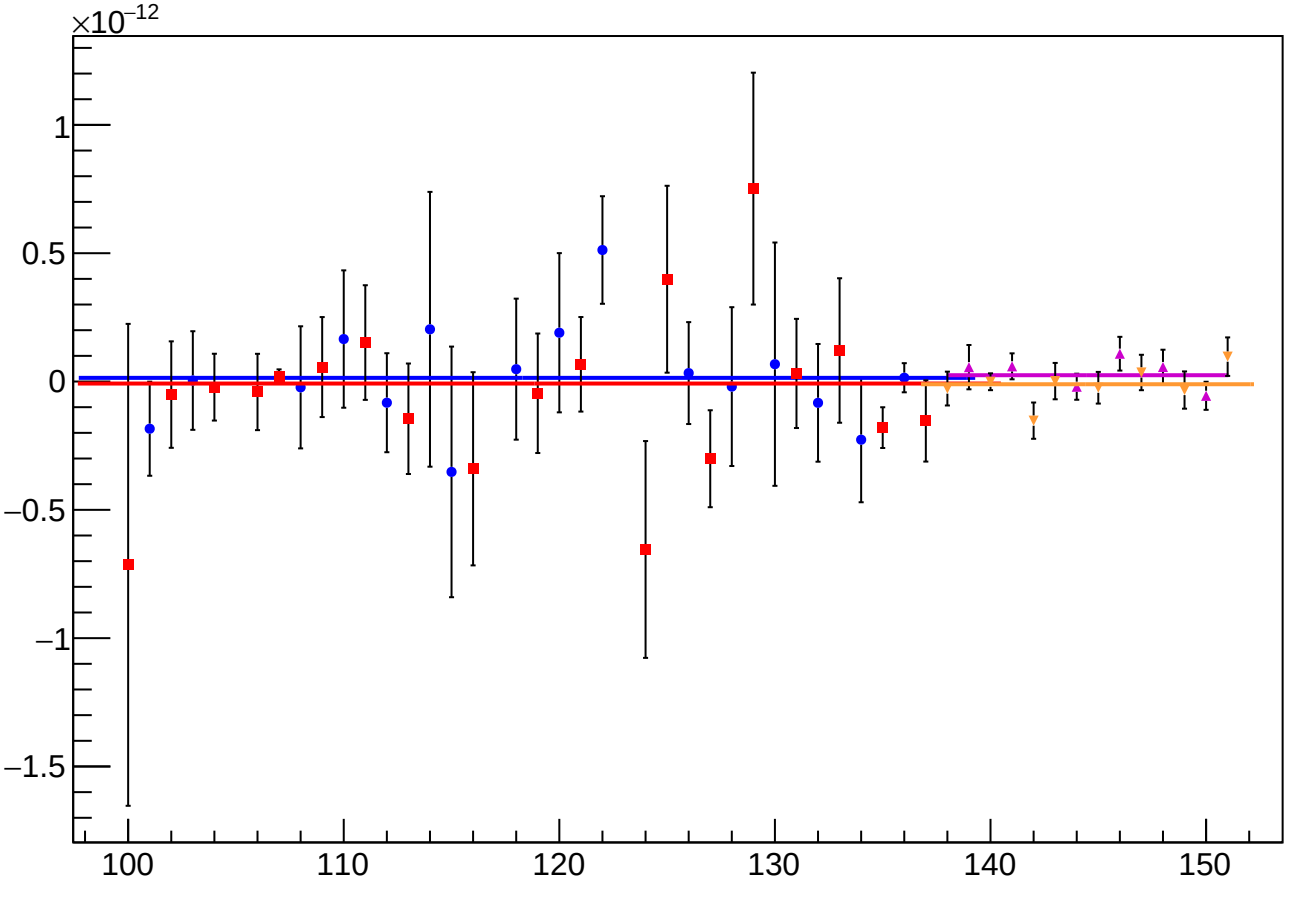
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 263.365+/-0.084 χ^2/NDF:336356.1/5

+ sign 191.955+/-0.042 χ^2/NDF: 4678646.4/23

All: 185.405+/-0.029 χ^2/NDF: 8295622.9/48

- sign 179.346+/-0.040 χ^2/NDF: 3569199.1/24



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.9/7

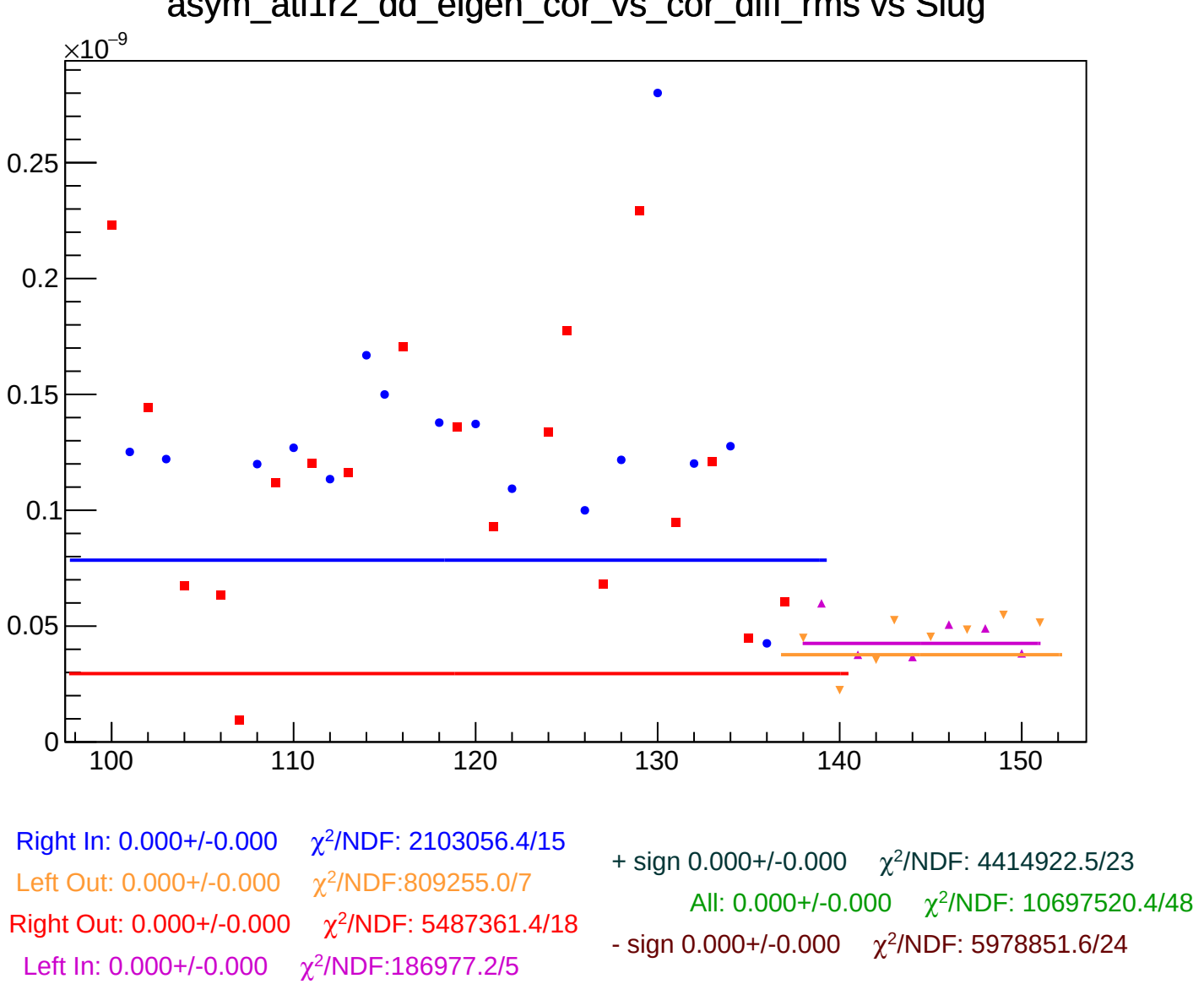
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:5.4/5

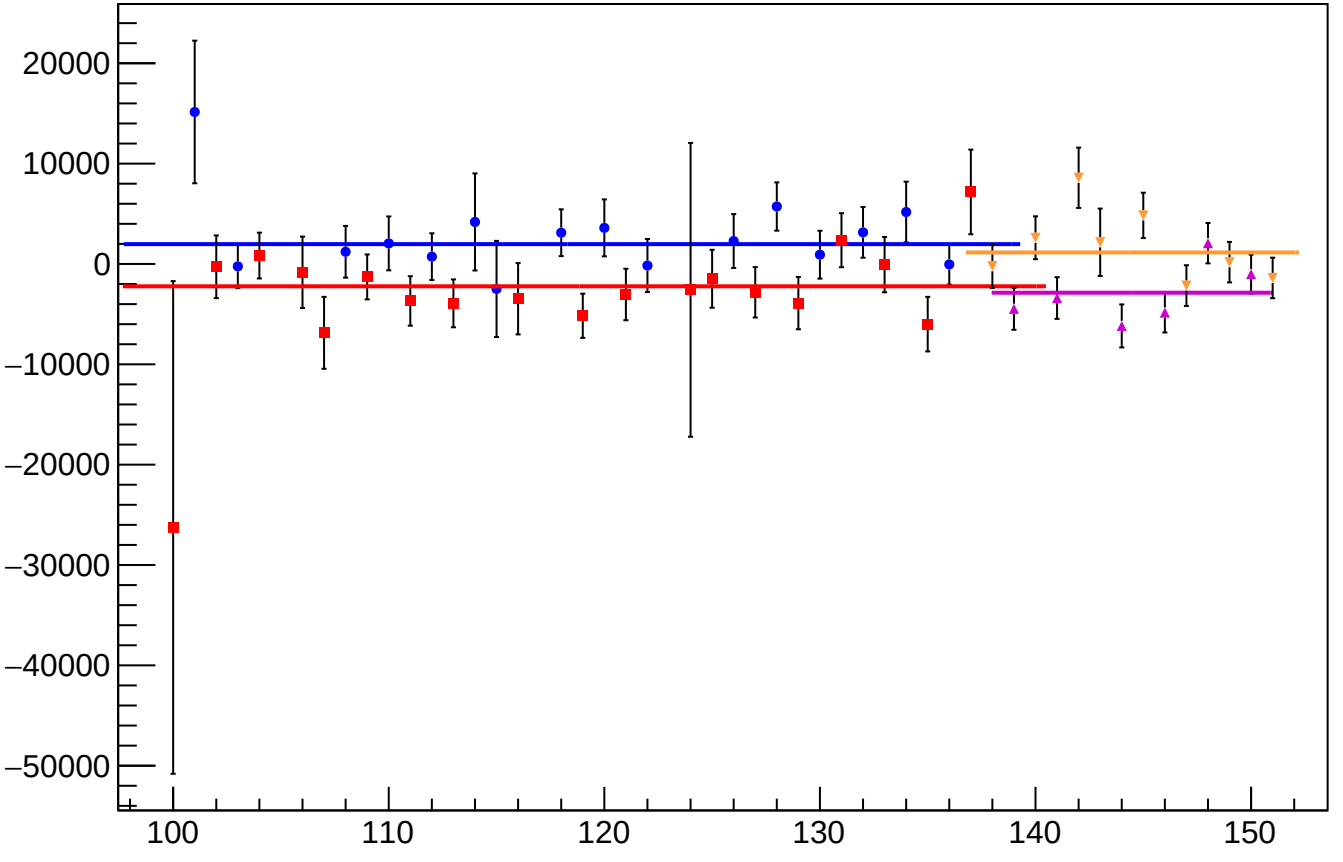
+ sign -0.000+/-0.000 χ^2/NDF: 16.8/23

All: 0.000+/-0.000 χ^2/NDF: 41.7/48

- sign 0.000+/-0.000 χ^2/NDF: 24.7/24


asym_atl1r2_dd_eigen_cor_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
Right In: 0.000+/-0.000 χ²/NDF: 2103056.4/15
Left Out: 0.000+/-0.000 χ²/NDF:809255.0/7
Right Out: 0.000+/-0.000 χ²/NDF: 5487361.4/18
Left In: 0.000+/-0.000 χ²/NDF:186977.2/5
+ sign 0.000+/-0.000 χ²/NDF: 4414922.5/23
All: 0.000+/-0.000 χ²/NDF: 10697520.4/48
- sign 0.000+/-0.000 χ²/NDF: 5978851.6/24

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1146.959+/-799.831 χ^2/NDF:14.2/7

Right Out: -2226.171+/-656.286 χ^2/NDF: 19.0/18

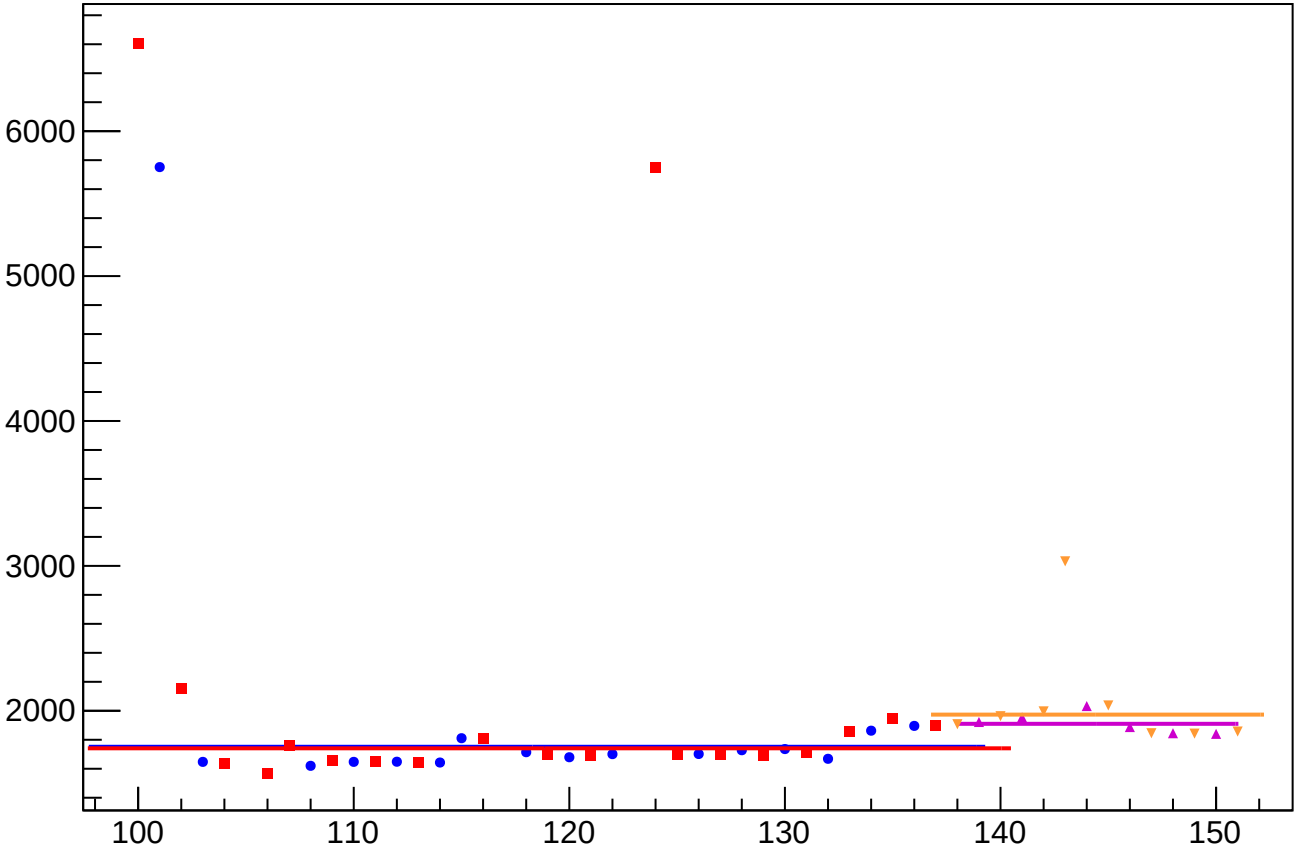
Left In: -2865.087+/-832.427 χ^2/NDF:11.0/5

+ sign 1635.693+/-512.575 χ^2/NDF: 27.0/23

All: -406.501+/-363.432 χ^2/NDF: 89.2/48

- sign -2471.077+/-515.377 χ^2/NDF: 30.3/24

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 1973.616+/-0.566 χ^2/NDF:225582.4/7

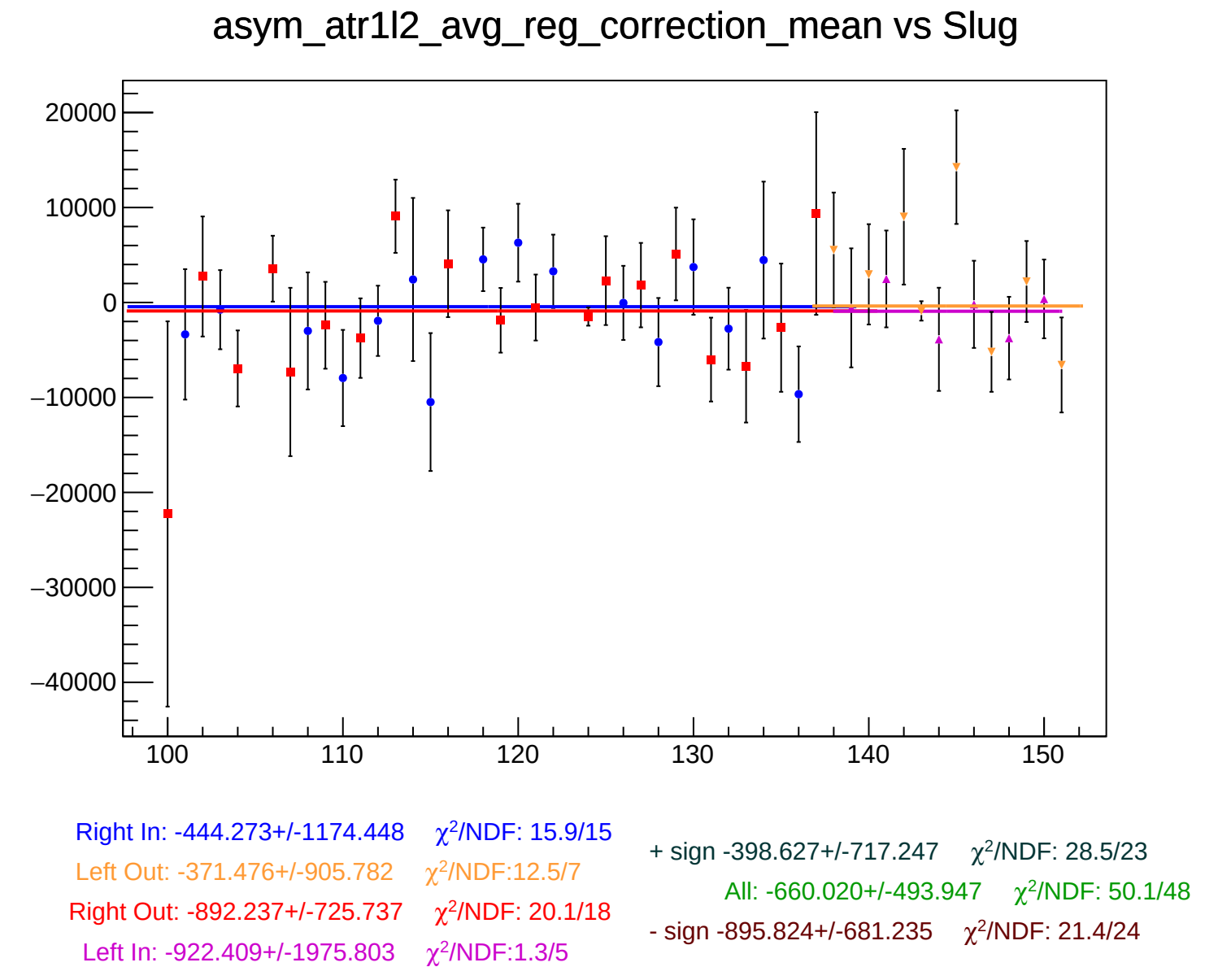
Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

Left In: 1910.080+/-0.589 χ^2/NDF:12408.4/5

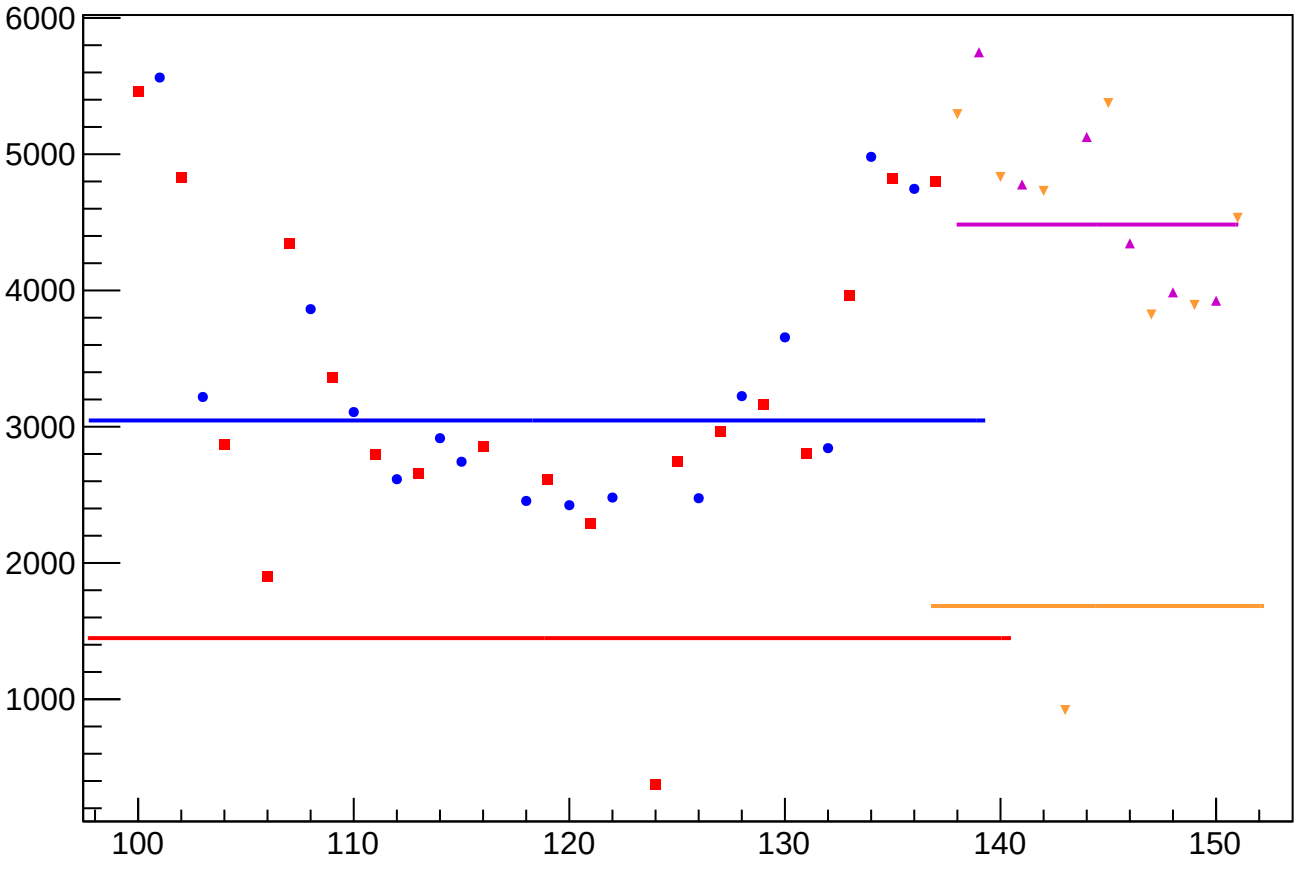
+ sign 1842.785+/-0.362 χ^2/NDF: 987040.3/23

All: 1824.036+/-0.256 χ^2/NDF: 1360600.4/48

- sign 1805.254+/-0.363 χ^2/NDF: 368203.7/24


asym_atr1l2_avg_reg_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
Right In: -444.273+/-1174.448 χ²/NDF: 15.9/15
Left Out: -371.476+/-905.782 χ²/NDF:12.5/7
Right Out: -892.237+/-725.737 χ²/NDF: 20.1/18
Left In: -922.409+/-1975.803 χ²/NDF:1.3/5
+ sign -398.627+/-717.247 χ²/NDF: 28.5/23
All: -660.020+/-493.947 χ²/NDF: 50.1/48
- sign -895.824+/-681.235 χ²/NDF: 21.4/24

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 1684.134+/-0.640 χ^2/NDF:5367725.9/7

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

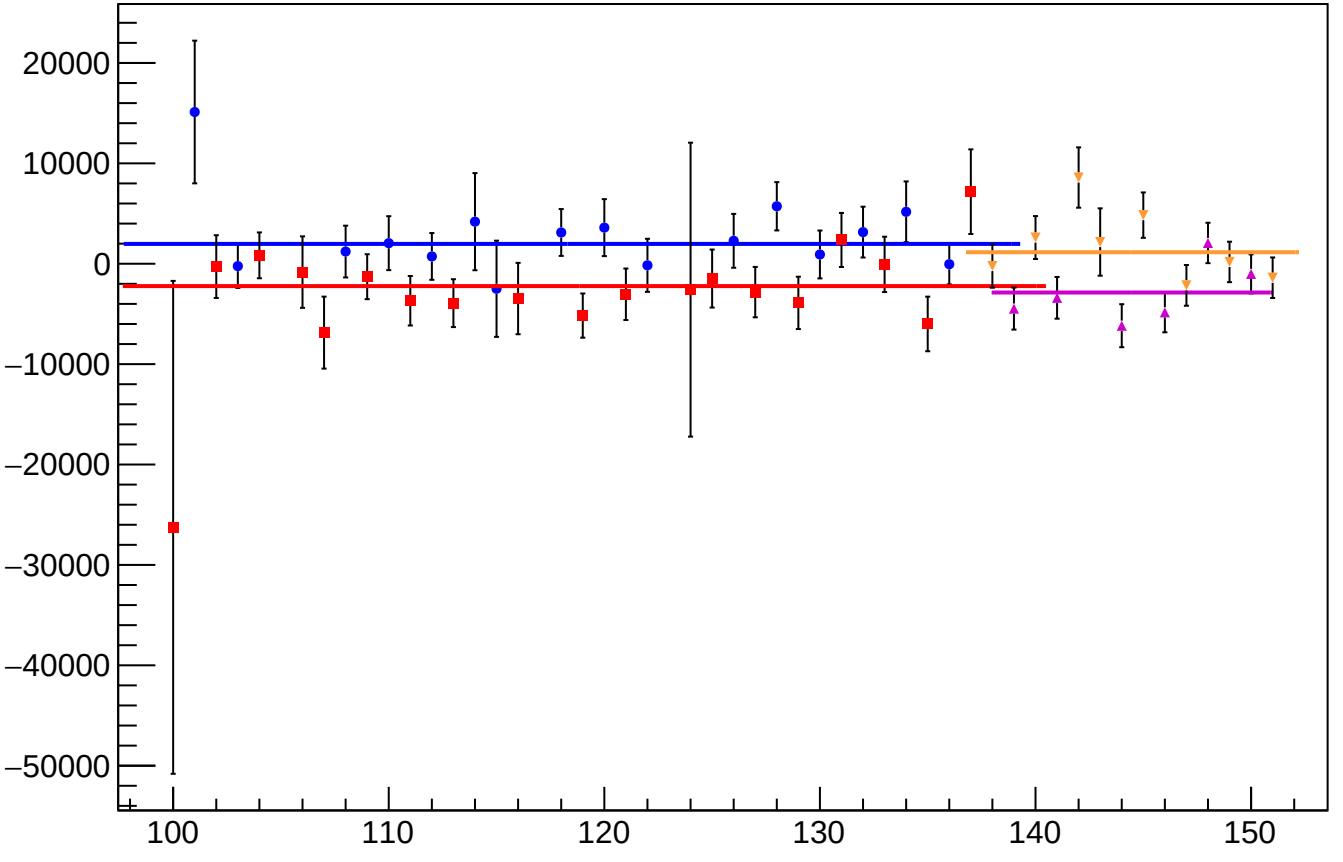
Left In: 4483.758+/-1.397 χ^2/NDF:180293.4/5

+ sign 2192.034+/-0.507 χ^2/NDF: 7961154.8/23

All: 1990.842+/-0.349 χ^2/NDF: 19386460.9/4

- sign 1809.347+/-0.482 χ^2/NDF: 11125978.5/24

cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1146.989+/-799.831 χ^2/NDF:14.2/7

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

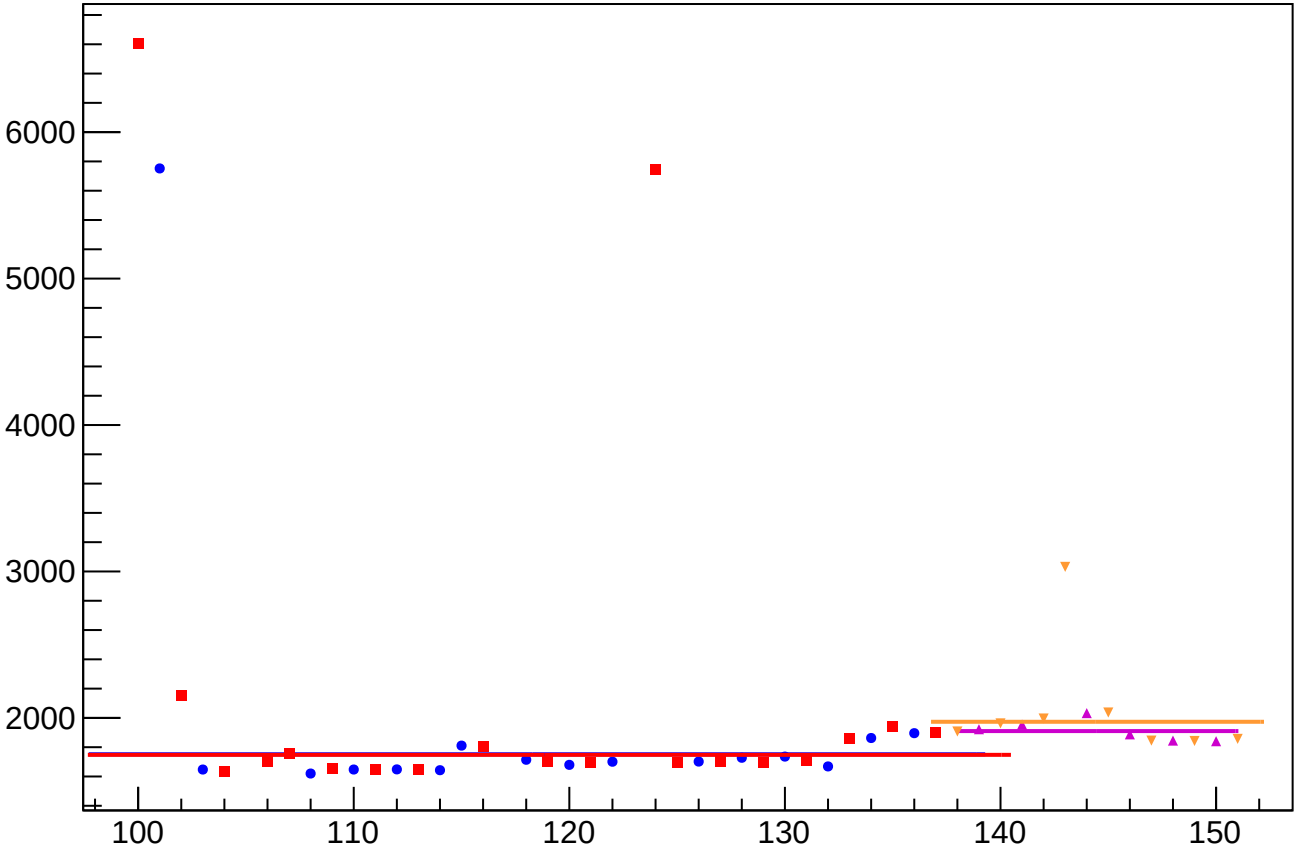
Left In: -2865.286+/-832.427 χ^2/NDF:11.0/5

+ sign 1635.498+/-512.575 χ^2/NDF: 27.0/23

All: -406.667+/-363.432 χ^2/NDF: 89.2/48

- sign -2471.213+/-515.377 χ^2/NDF: 30.3/24

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1973.616+/-0.566 χ^2/NDF:225582.4/7

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

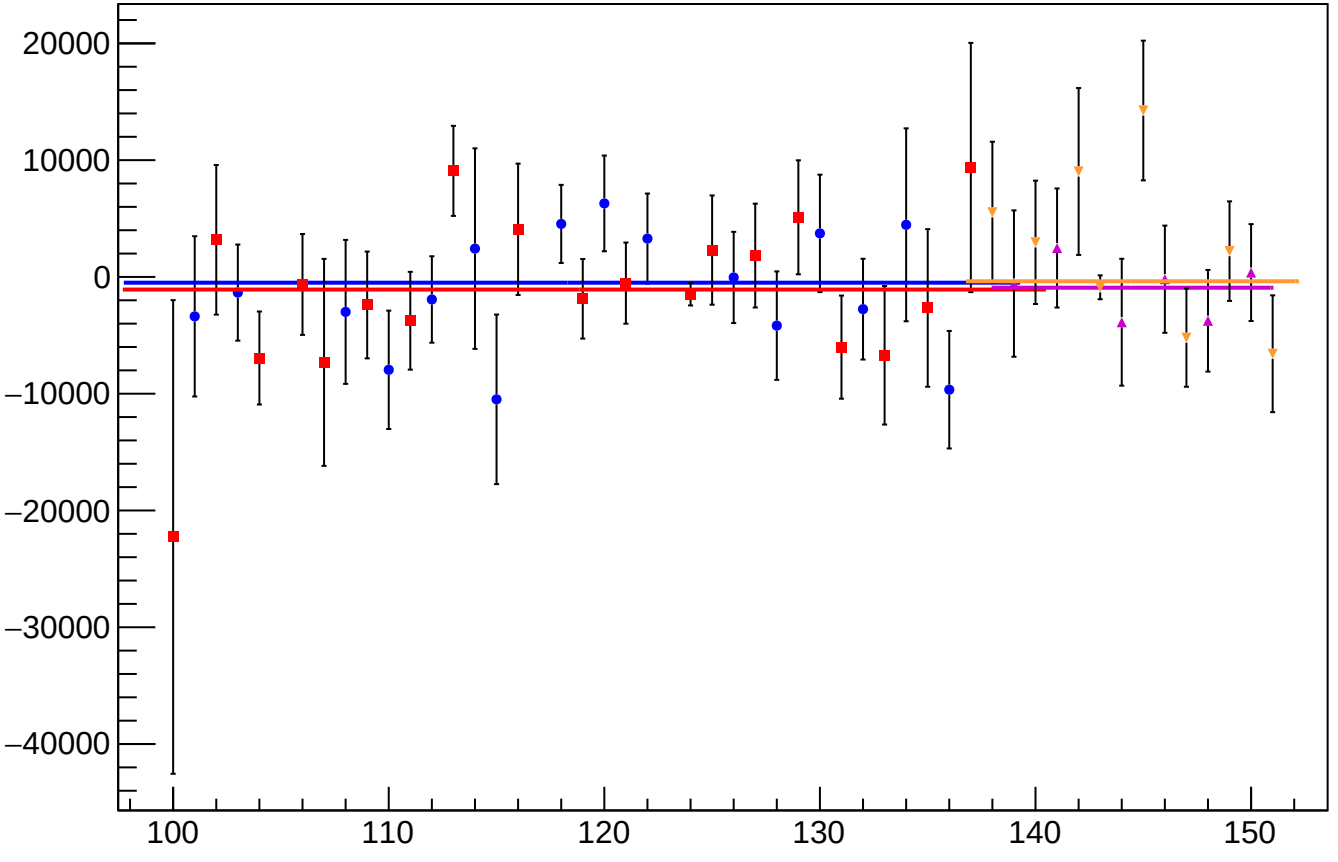
Left In: 1910.080+/-0.589 χ^2/NDF:12408.4/5

+ sign 1842.785+/-0.362 χ^2/NDF: 987040.8/23

All: 1826.298+/-0.257 χ^2/NDF: 1348534.2/48

- sign 1809.708+/-0.364 χ^2/NDF: 357342.4/24

asym_atr1l2_avg_cor_correction_mean vs Slug



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -371.294+/-905.753 χ^2/NDF:12.5/7

Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

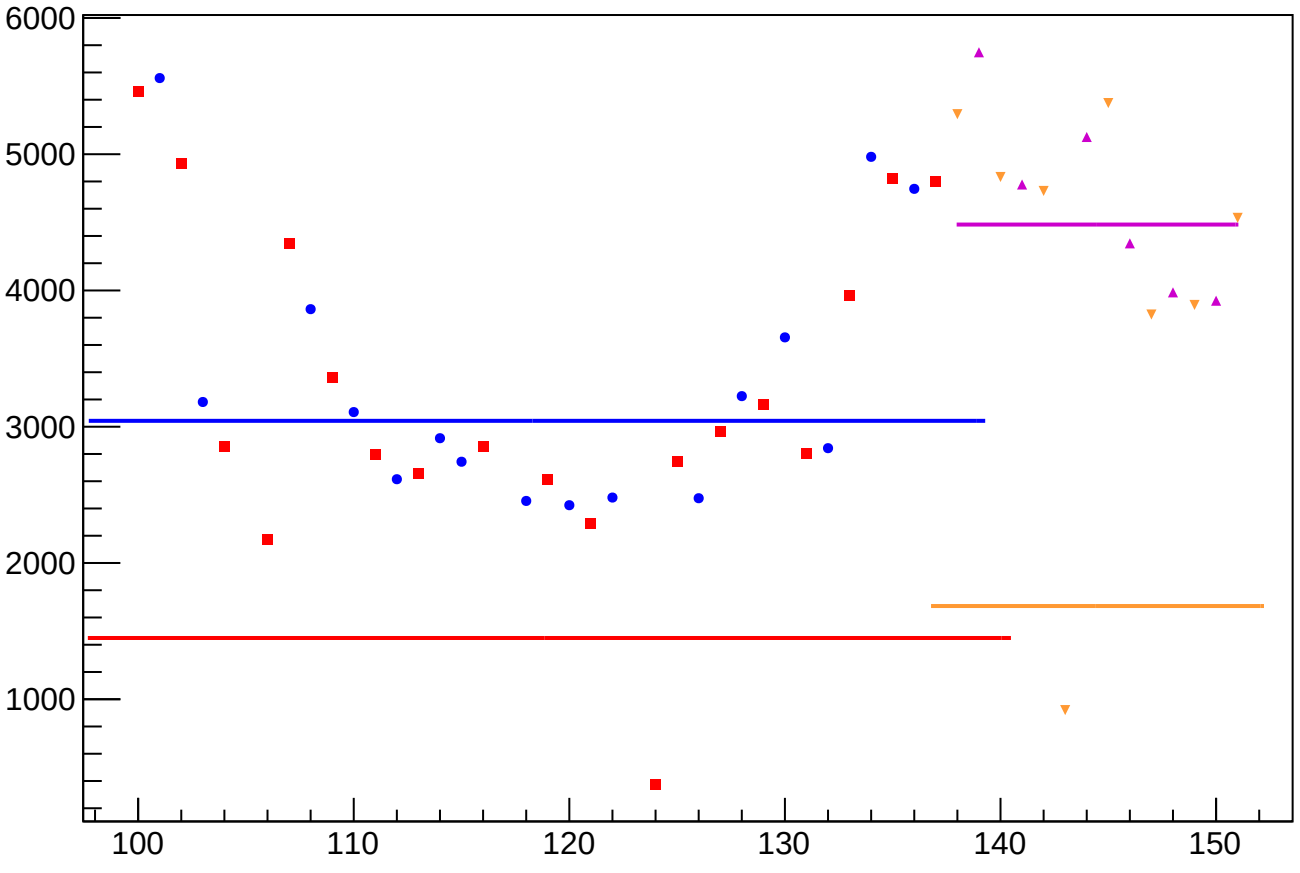
Left In: -922.431+/-1975.804 χ^2/NDF:1.3/5

\+ sign -416.712+/-716.957 χ^2/NDF: 28.5/23

All: -753.513+/-495.643 χ^2/NDF: 48.7/48

\- sign -1061.820+/-685.960 χ^2/NDF: 19.8/24

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 1684.055+/-0.640 χ^2/NDF:5367916.4/7

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

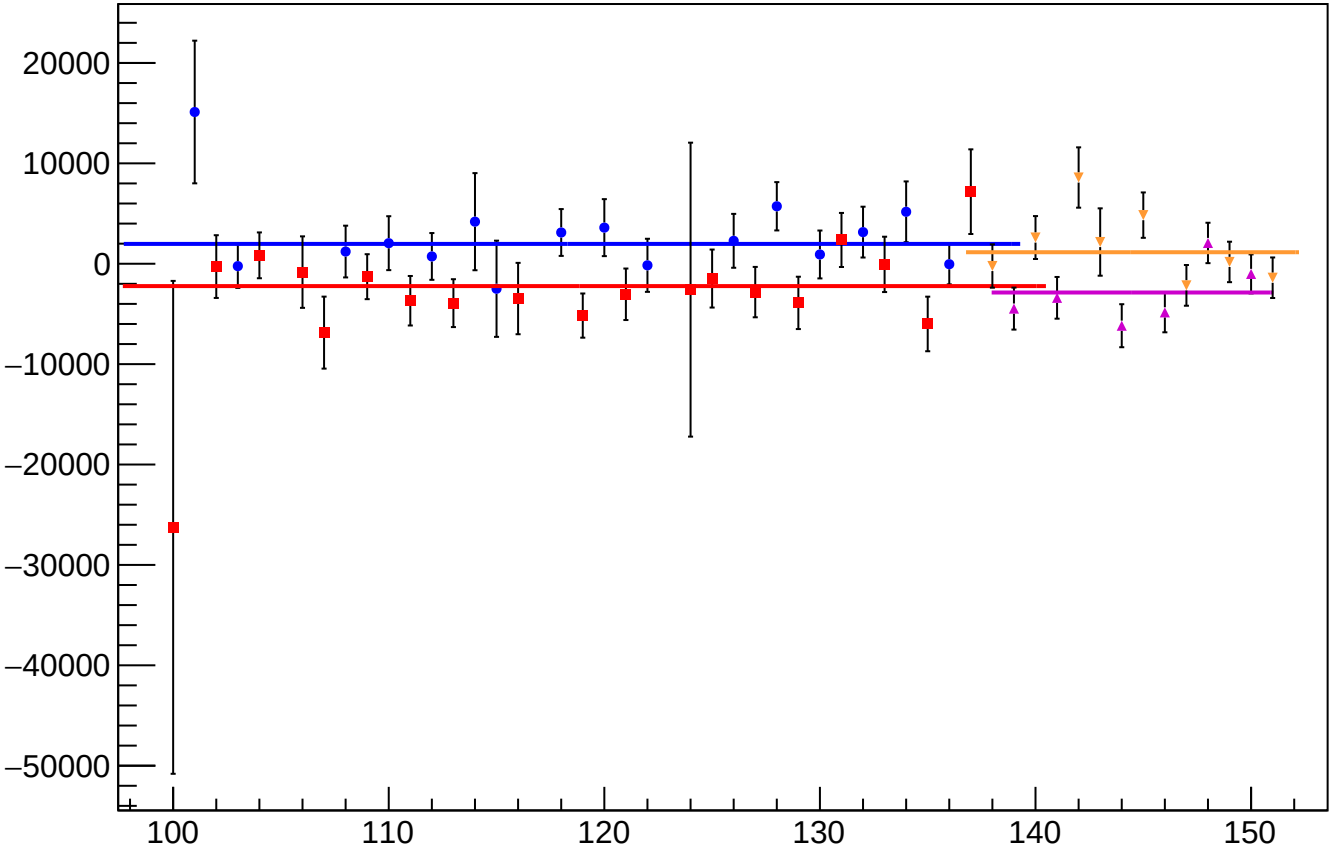
Left In: 4483.759+/-1.397 χ^2/NDF:180294.0/5

+ sign 2191.632+/-0.507 χ^2/NDF: 7955475.9/23

All: 1995.127+/-0.350 χ^2/NDF: 19397484.0/4

- sign 1815.246+/-0.485 χ^2/NDF: 11154234.5/24

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1146.989+/-799.831 χ^2/NDF:14.2/7

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

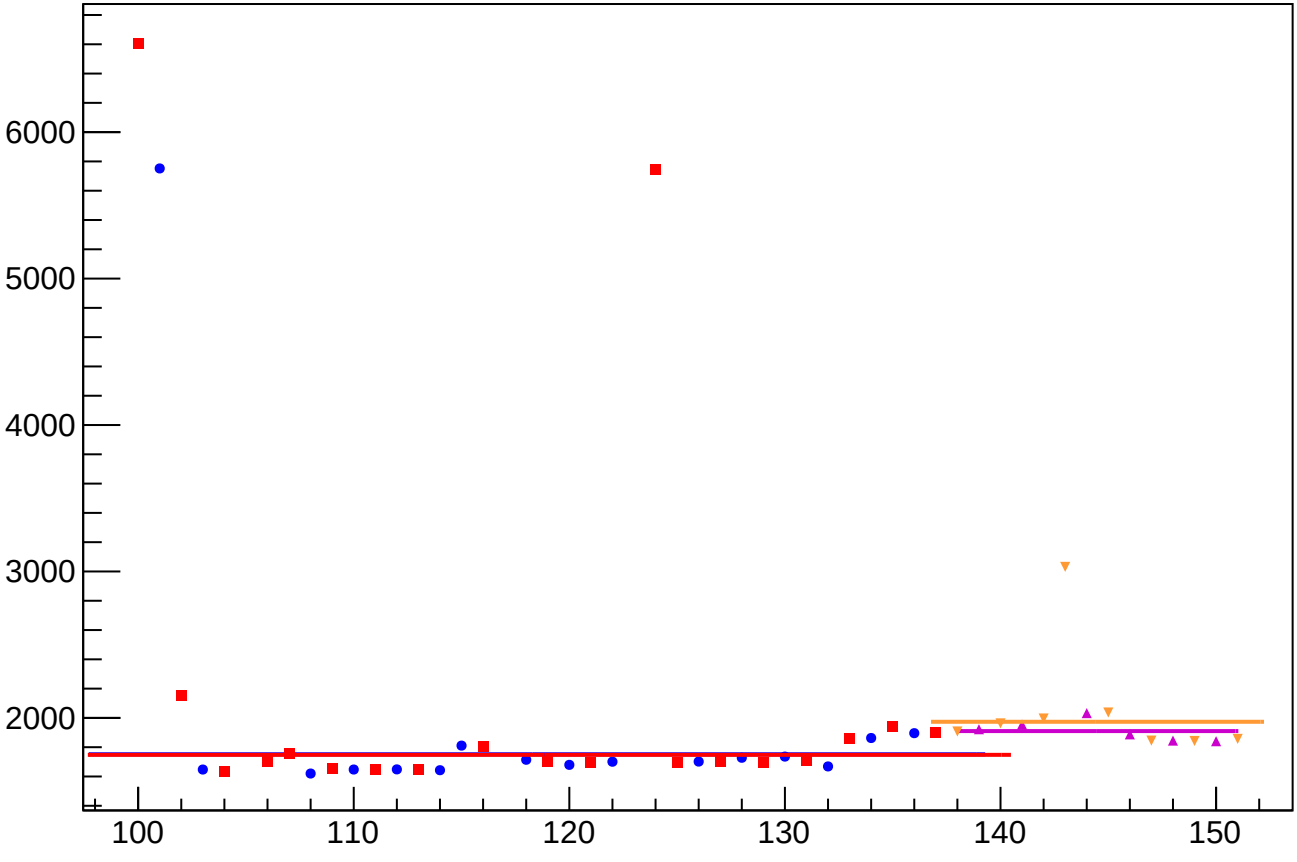
Left In: -2865.286+/-832.427 χ^2/NDF:11.0/5

+ sign 1635.498+/-512.575 χ^2/NDF: 27.0/23

All: -406.667+/-363.432 χ^2/NDF: 89.2/48

- sign -2471.213+/-515.377 χ^2/NDF: 30.3/24

eigen_cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1973.616+/-0.566 χ^2/NDF:225582.4/7

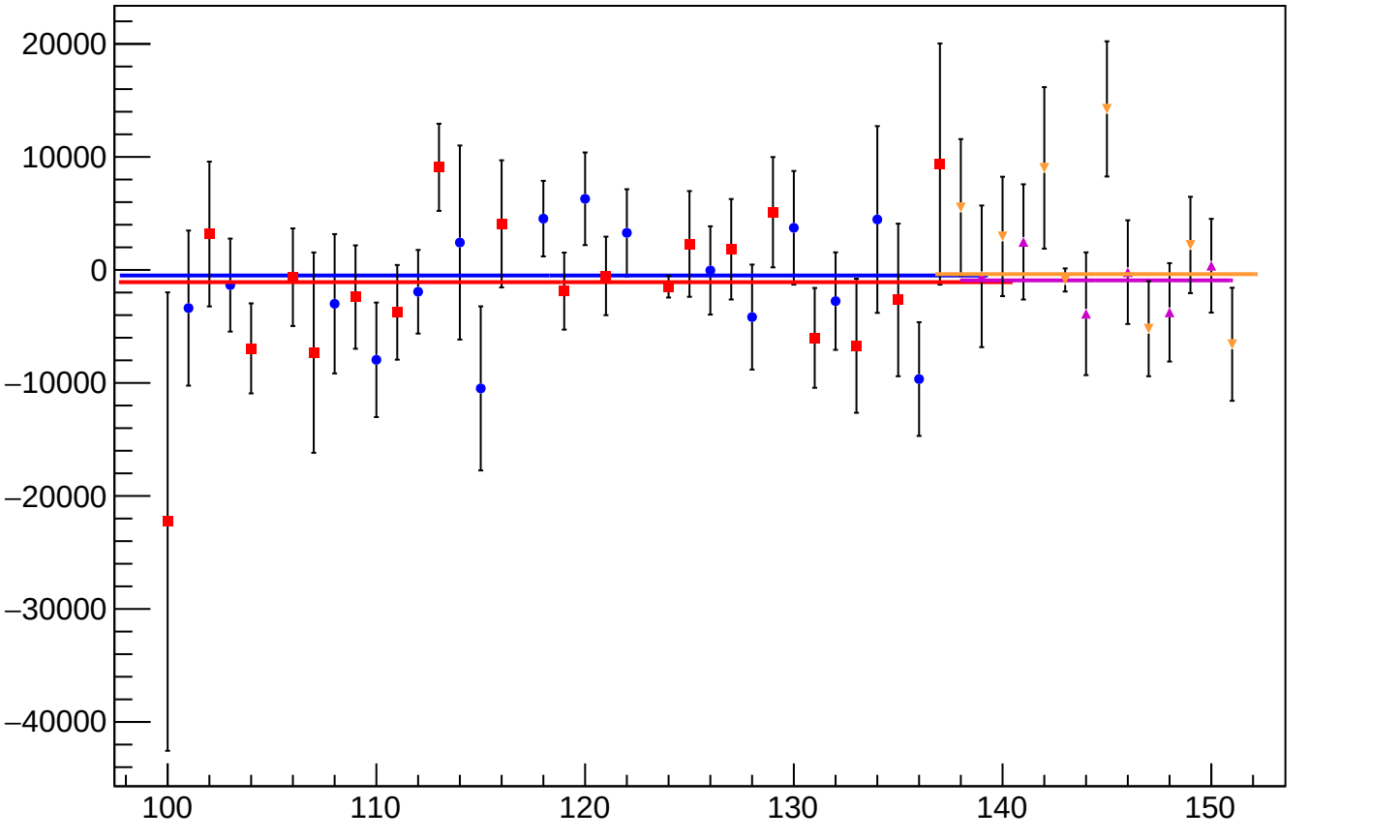
Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1910.080+/-0.589 χ^2/NDF:12408.4/5

+ sign 1842.785+/-0.362 χ^2/NDF: 987040.8/23

All: 1826.298+/-0.257 χ^2/NDF: 1348534.2/48

- sign 1809.708+/-0.364 χ^2/NDF: 357342.4/24



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -371.294+/-905.753 χ^2/NDF:12.5/7

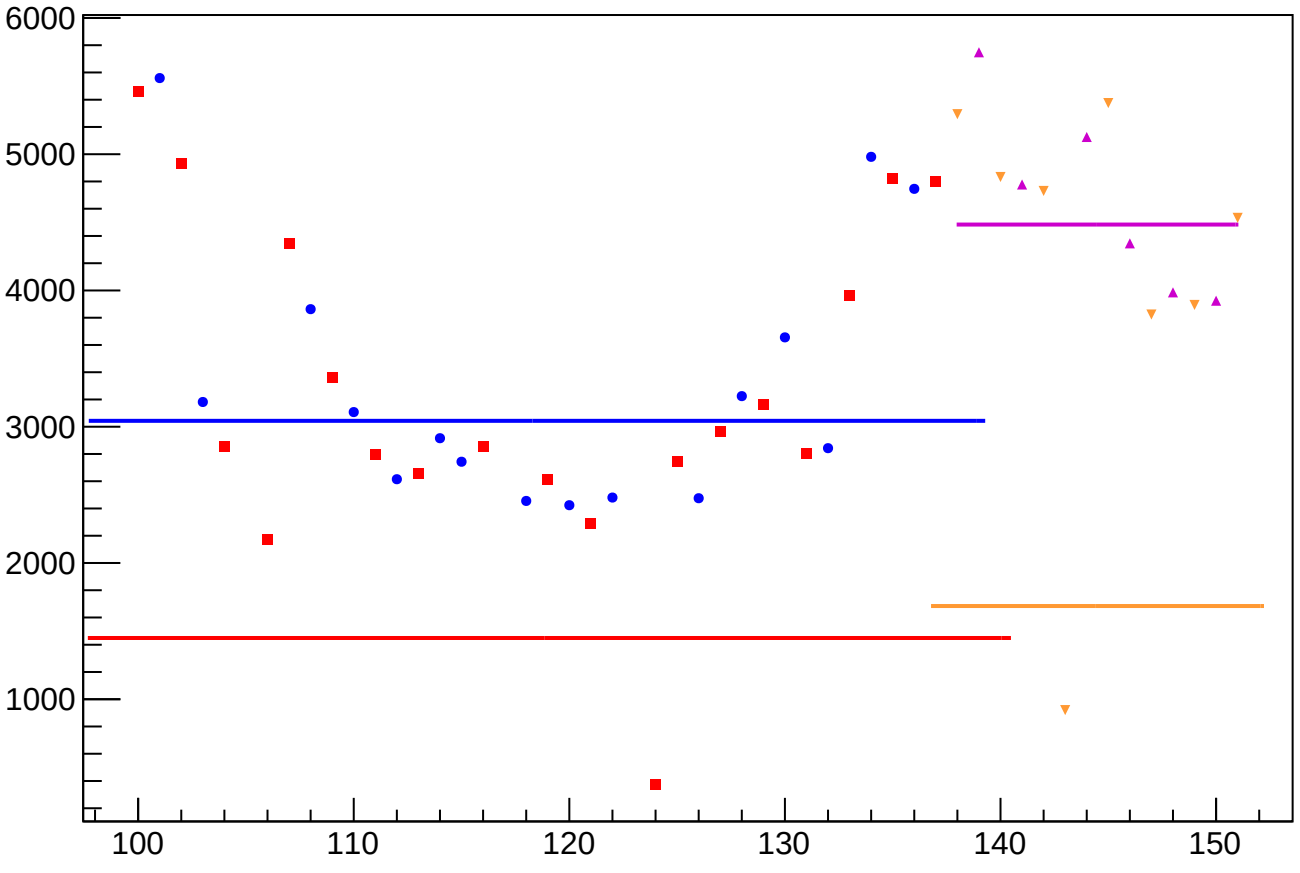
Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: -922.431+/-1975.804 χ^2/NDF:1.3/5

+ sign -416.712+/-716.957 χ^2/NDF: 28.5/23

All: -753.513+/-495.643 χ^2/NDF: 48.7/48

- sign -1061.820+/-685.960 χ^2/NDF: 19.8/24



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Left Out: 1684.055+/-0.640 χ^2/NDF:5367916.4/7

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

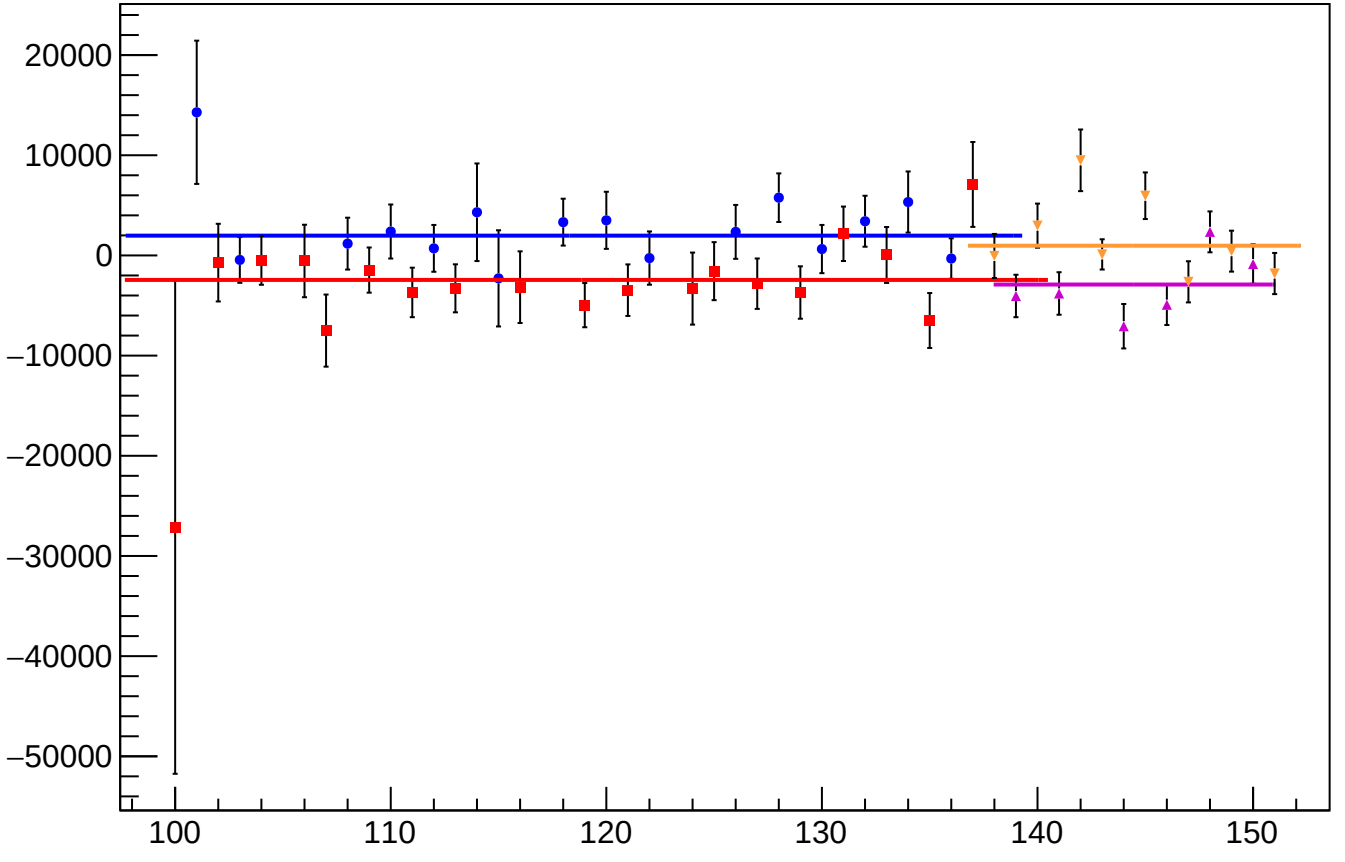
Left In: 4483.759+/-1.397 χ^2/NDF:180294.0/5

+ sign 2191.632+/-0.507 χ^2/NDF: 7955475.9/23

All: 1995.127+/-0.350 χ^2/NDF: 19397484.0/4

- sign 1815.246+/-0.485 χ^2/NDF: 11154234.5/24

dit_asym_atr1l2_avg_mean vs Slug



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 971.671+/-734.089 χ^2/NDF:18.6/7

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

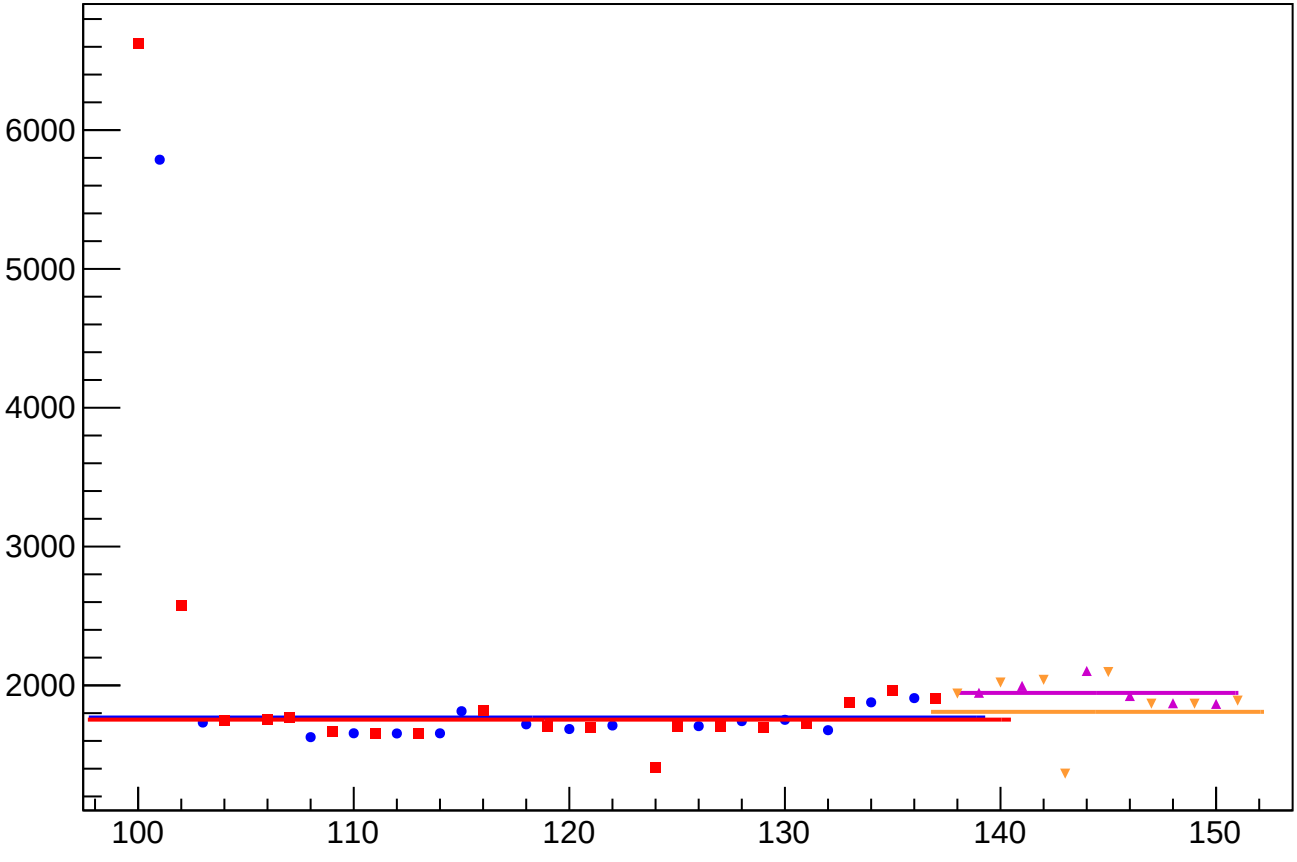
Left In: -2905.429+/-848.273 χ^2/NDF:12.7/5

+ sign 1516.446+/-496.511 χ^2/NDF: 32.1/23

All: -455.931+/-359.025 χ^2/NDF: 95.5/48

- sign -2617.362+/-519.762 χ^2/NDF: 30.4/24

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1809.467+/-0.519 χ^2/NDF:247443.4/7

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

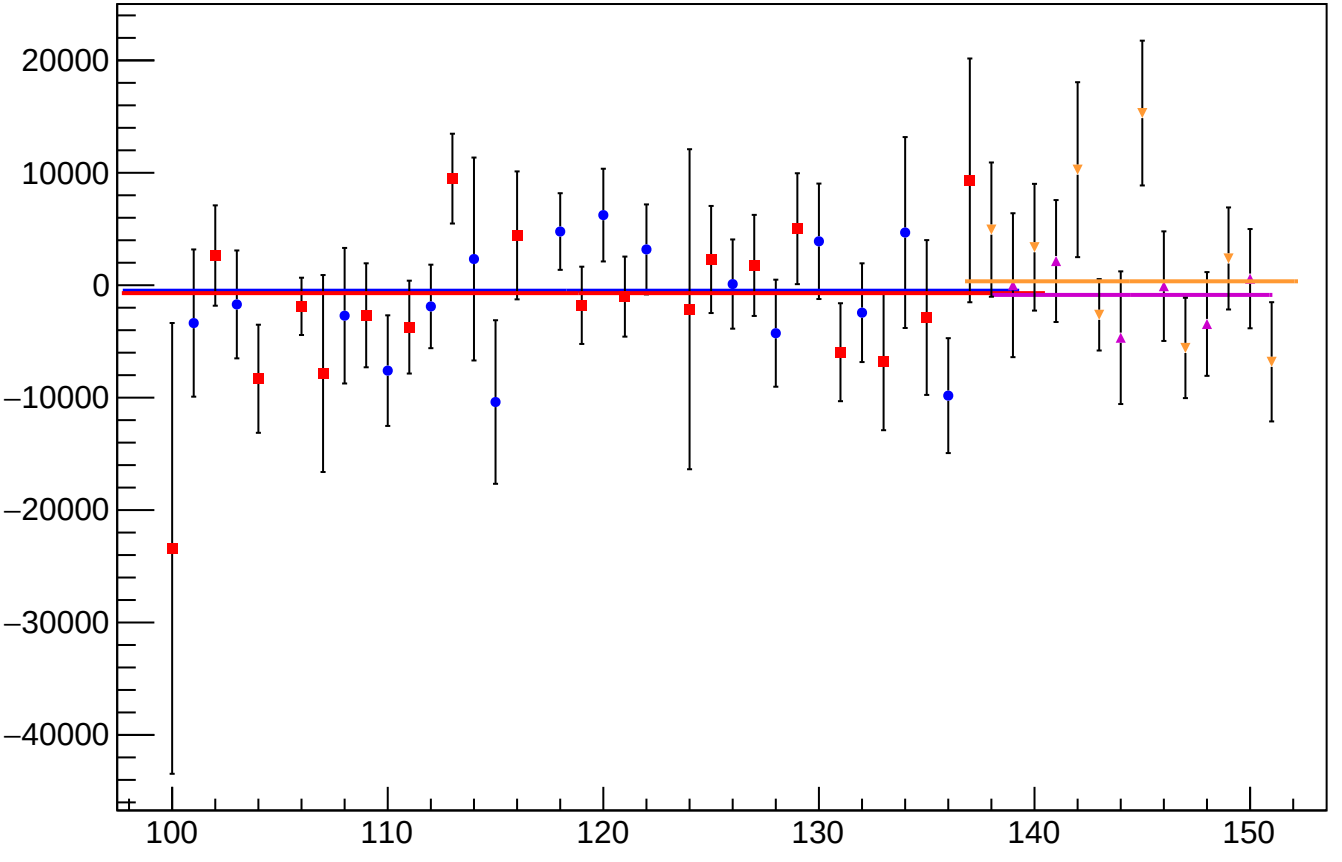
Left In: 1945.866+/-0.600 χ^2/NDF:17429.2/5

+ sign 1787.230+/-0.351 χ^2/NDF: 918193.3/23

All: 1805.478+/-0.254 χ^2/NDF: 1224583.5/48

- sign 1825.408+/-0.367 χ^2/NDF: 300738.2/24

asym_atr1l2_avg_dit_correction_mean vs Slug



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: 349.258+/-1731.302 χ^2/NDF:12.6/7

Right Out: -703.324+/-1069.467 χ^2/NDF: 18.8/18

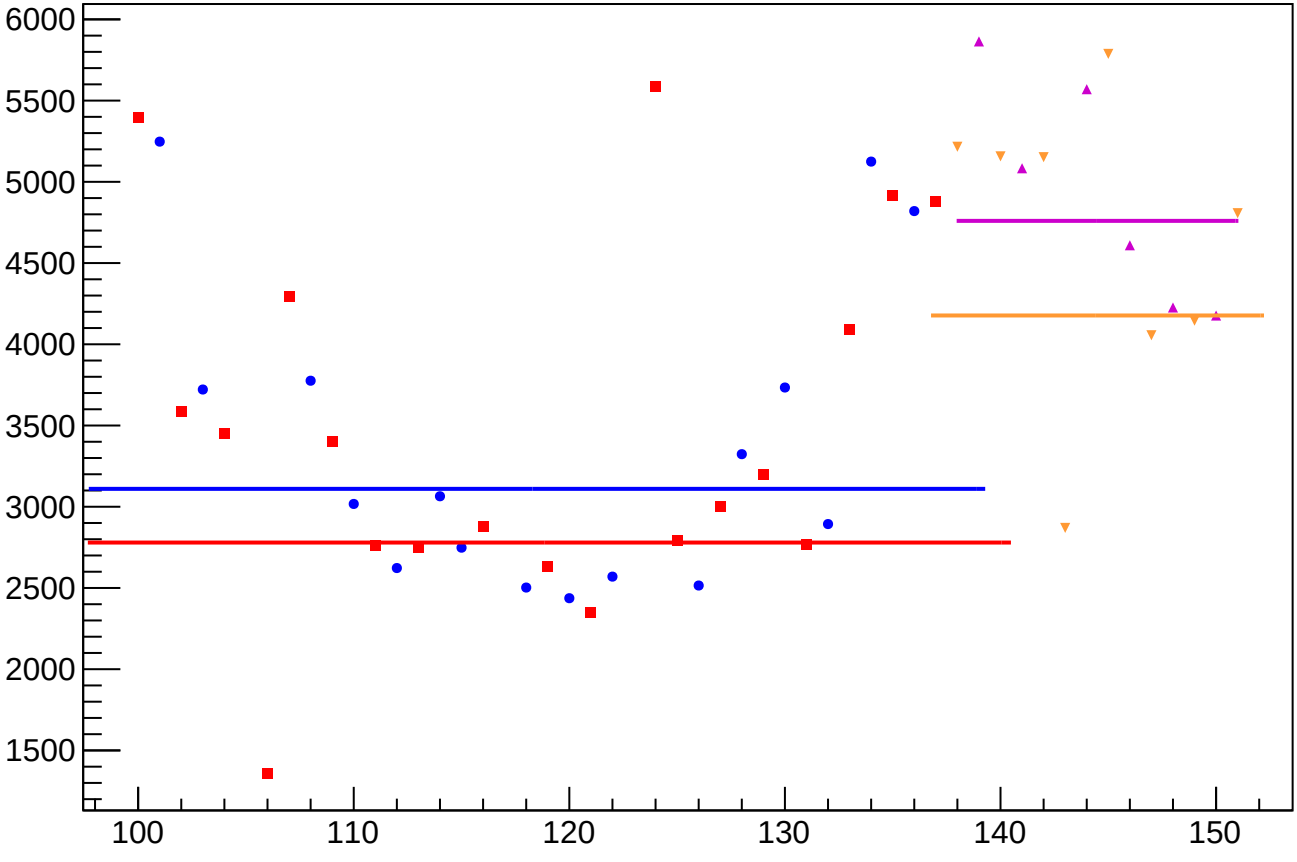
Left In: -862.372+/-2096.605 χ^2/NDF:1.2/5

+ sign -216.826+/-985.425 χ^2/NDF: 28.5/23

All: -485.266+/-684.931 χ^2/NDF: 48.7/48

- sign -736.163+/-952.683 χ^2/NDF: 20.0/24

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 4177.369+/-1.224 χ^2/NDF:646035.4/7

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

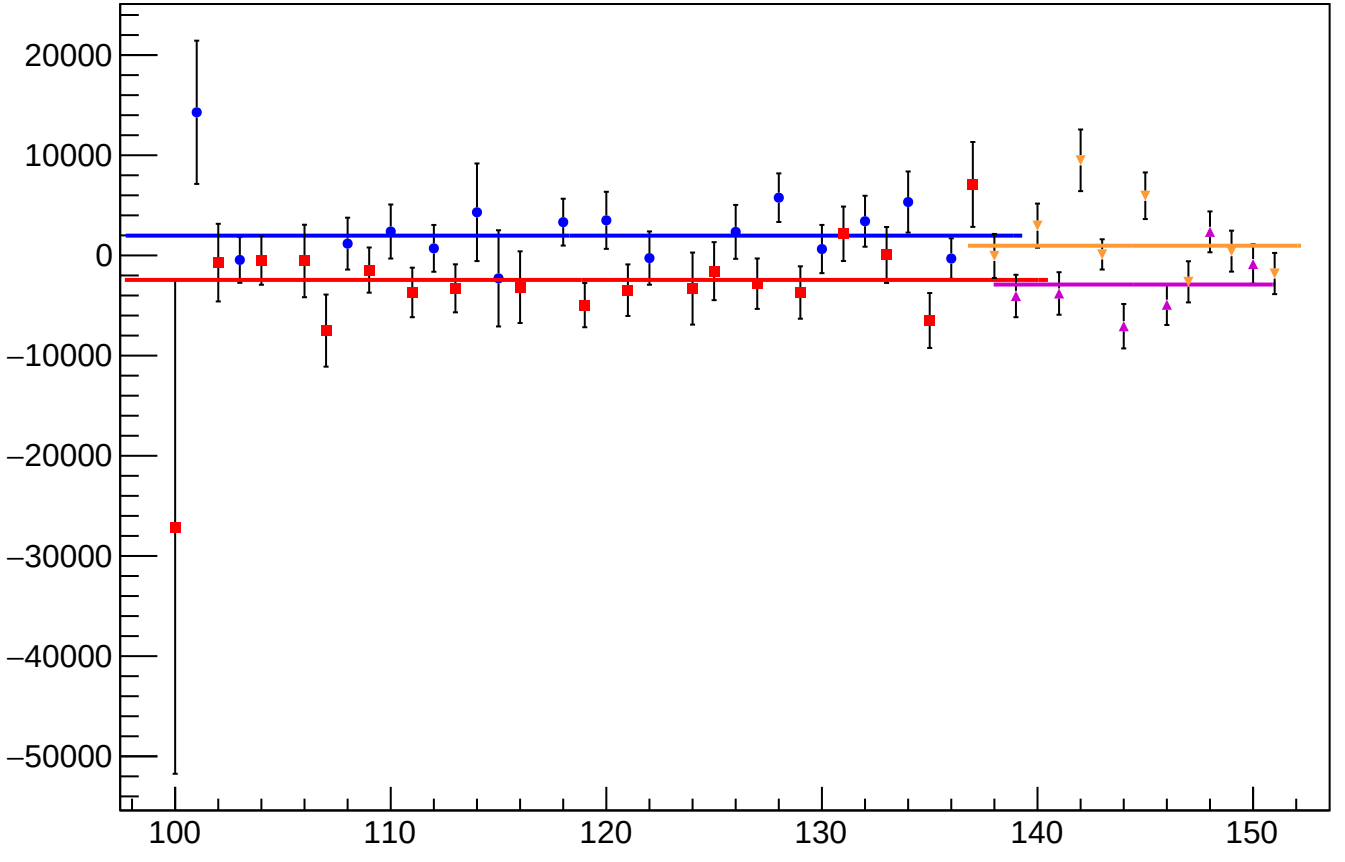
Left In: 4759.688+/-1.483 χ^2/NDF:167889.5/5

+ sign 3455.883+/-0.697 χ^2/NDF: 2043072.4/23

All: 3317.654+/-0.484 χ^2/NDF: 5050752.0/48

- sign 3188.459+/-0.674 χ^2/NDF: 2931545.2/24

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 971.674+/-734.089 χ^2/NDF:18.6/7

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

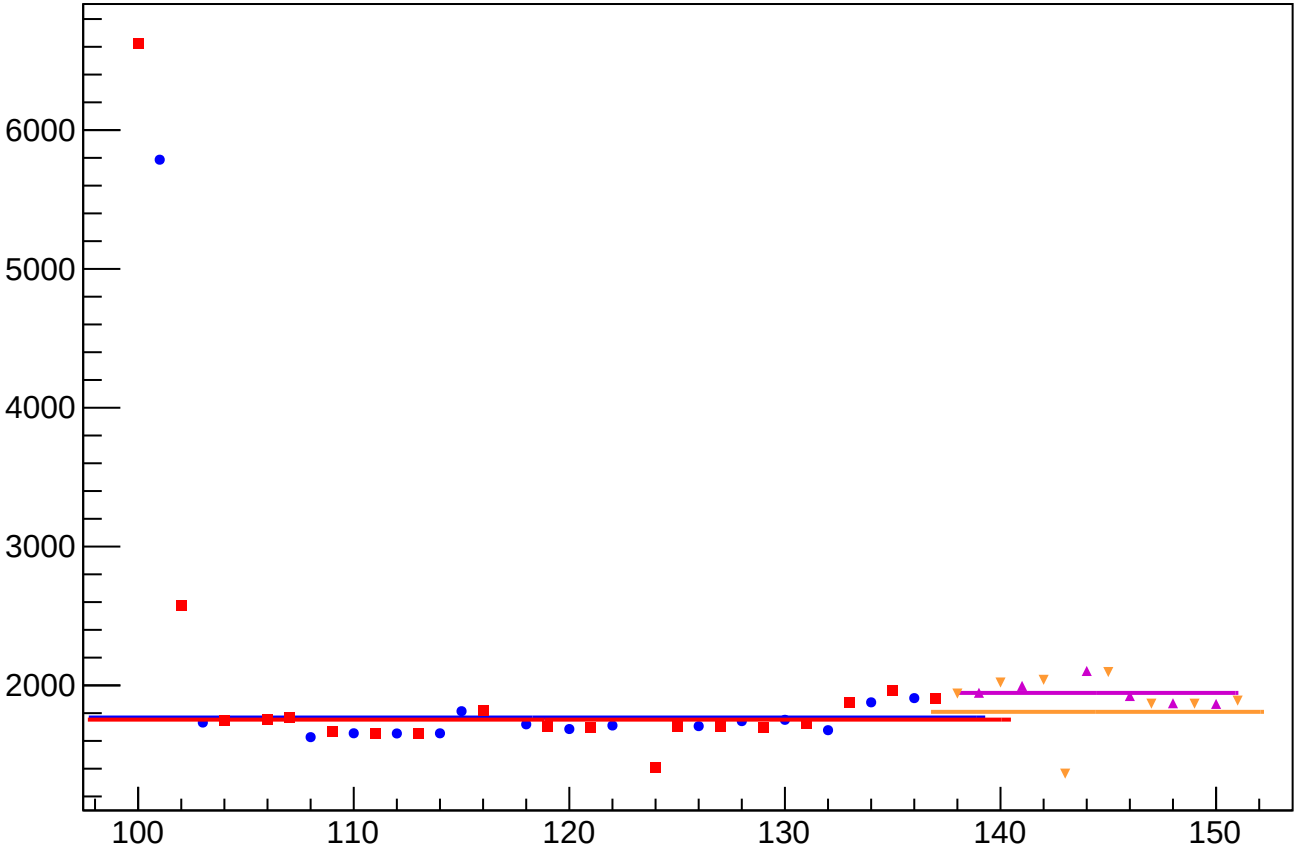
Left In: -2905.429+/-848.274 χ^2/NDF:12.7/5

+ sign 1516.448+/-496.511 χ^2/NDF: 32.1/23

All: -455.930+/-359.025 χ^2/NDF: 95.5/48

- sign -2617.362+/-519.762 χ^2/NDF: 30.4/24

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1809.467+/-0.519 χ^2/NDF:247444.4/7

Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

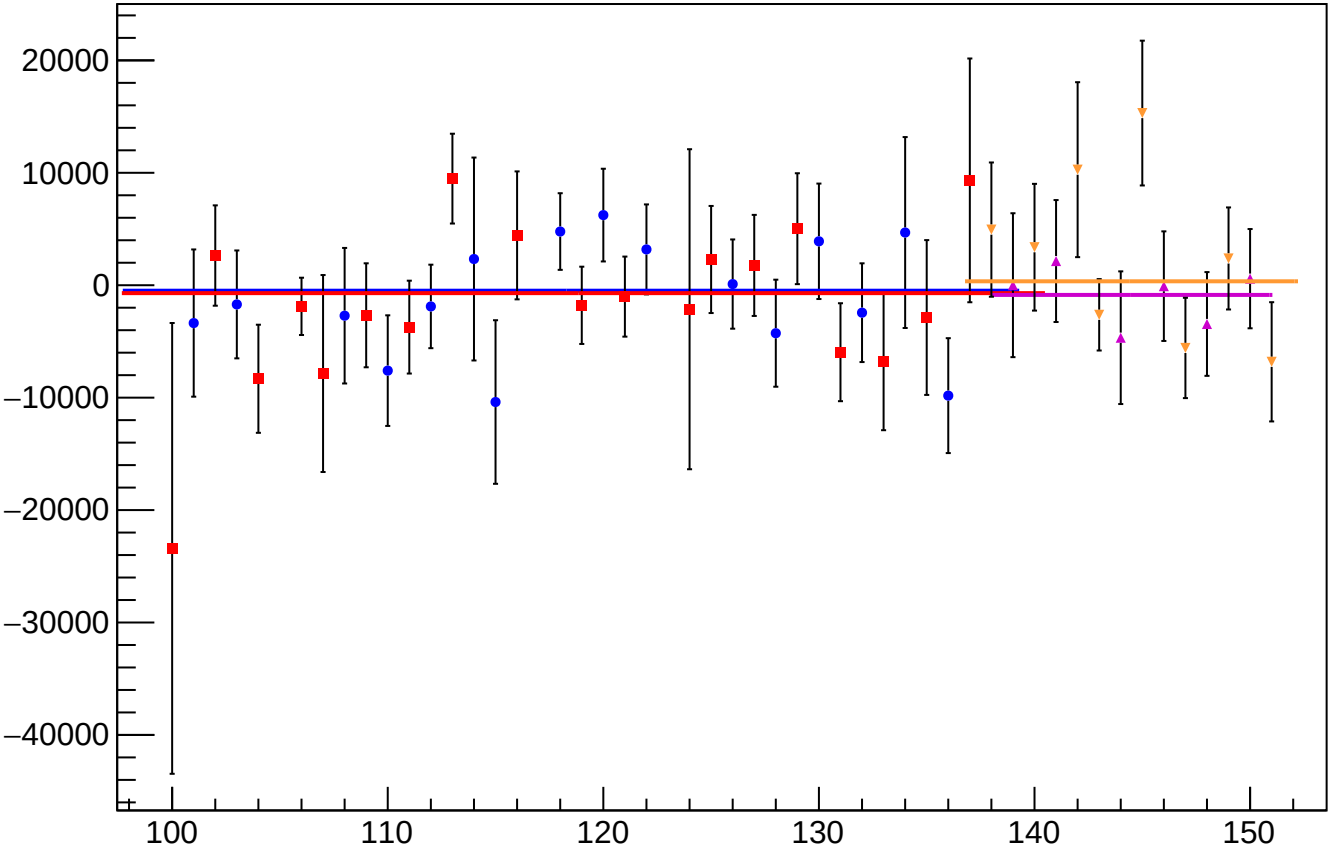
Left In: 1945.867+/-0.600 χ^2/NDF:17429.5/5

+ sign 1787.230+/-0.351 χ^2/NDF: 918194.4/23

All: 1805.478+/-0.254 χ^2/NDF: 1224585.5/48

- sign 1825.408+/-0.367 χ^2/NDF: 300739.2/24

asym_atr1l2_avg_eigen_dit_correction_mean vs Slug



Right In: -488.098+/-1198.502 χ^2/NDF: 15.8/15

Left Out: 349.251+/-1731.303 χ^2/NDF:12.6/7

Right Out: -703.325+/-1069.463 χ^2/NDF: 18.8/18

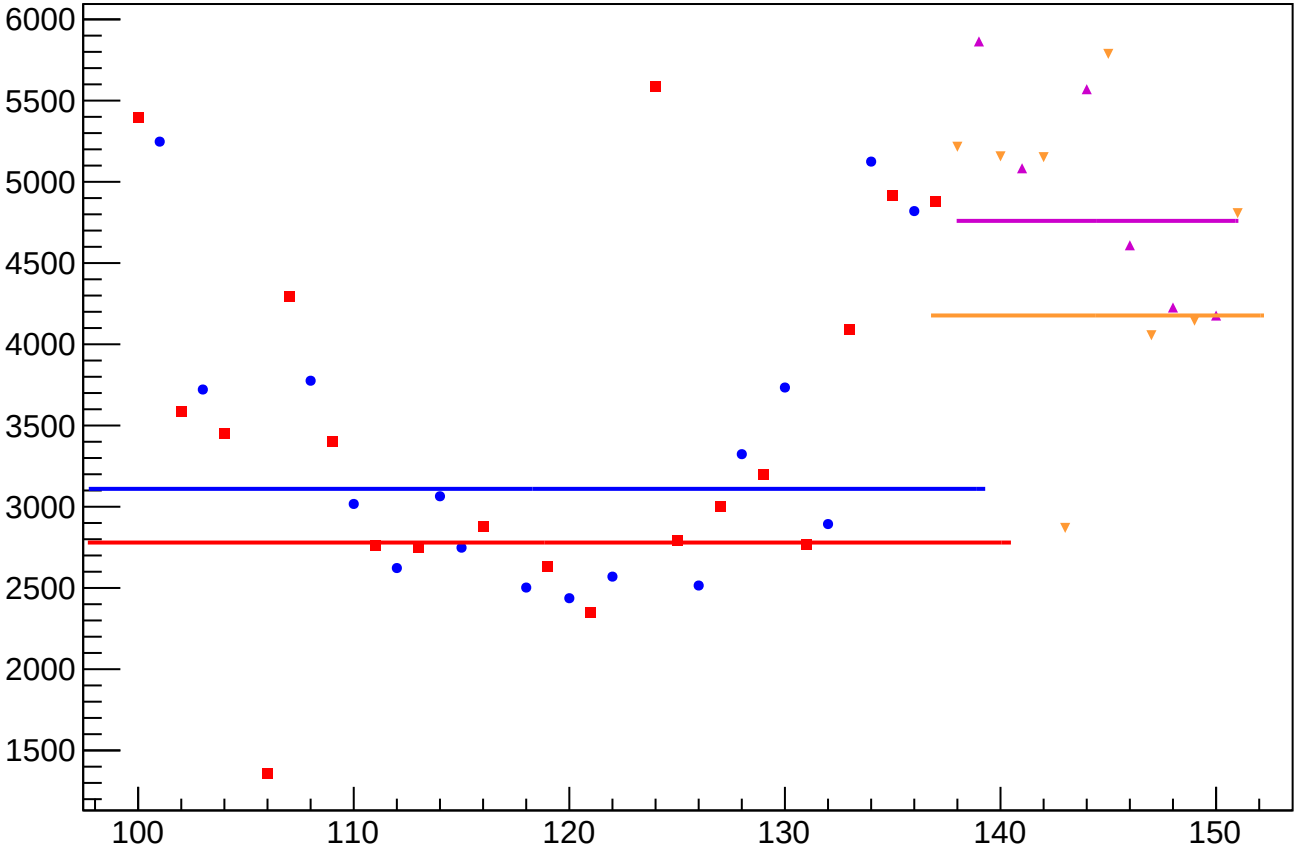
Left In: -862.373+/-2096.607 χ^2/NDF:1.2/5

\+ sign -216.825+/-985.423 χ^2/NDF: 28.5/23

All: -485.266+/-684.930 χ^2/NDF: 48.7/48

\- sign -736.164+/-952.680 χ^2/NDF: 20.0/24

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 4177.371+/-1.224 χ^2/NDF:646040.3/7

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

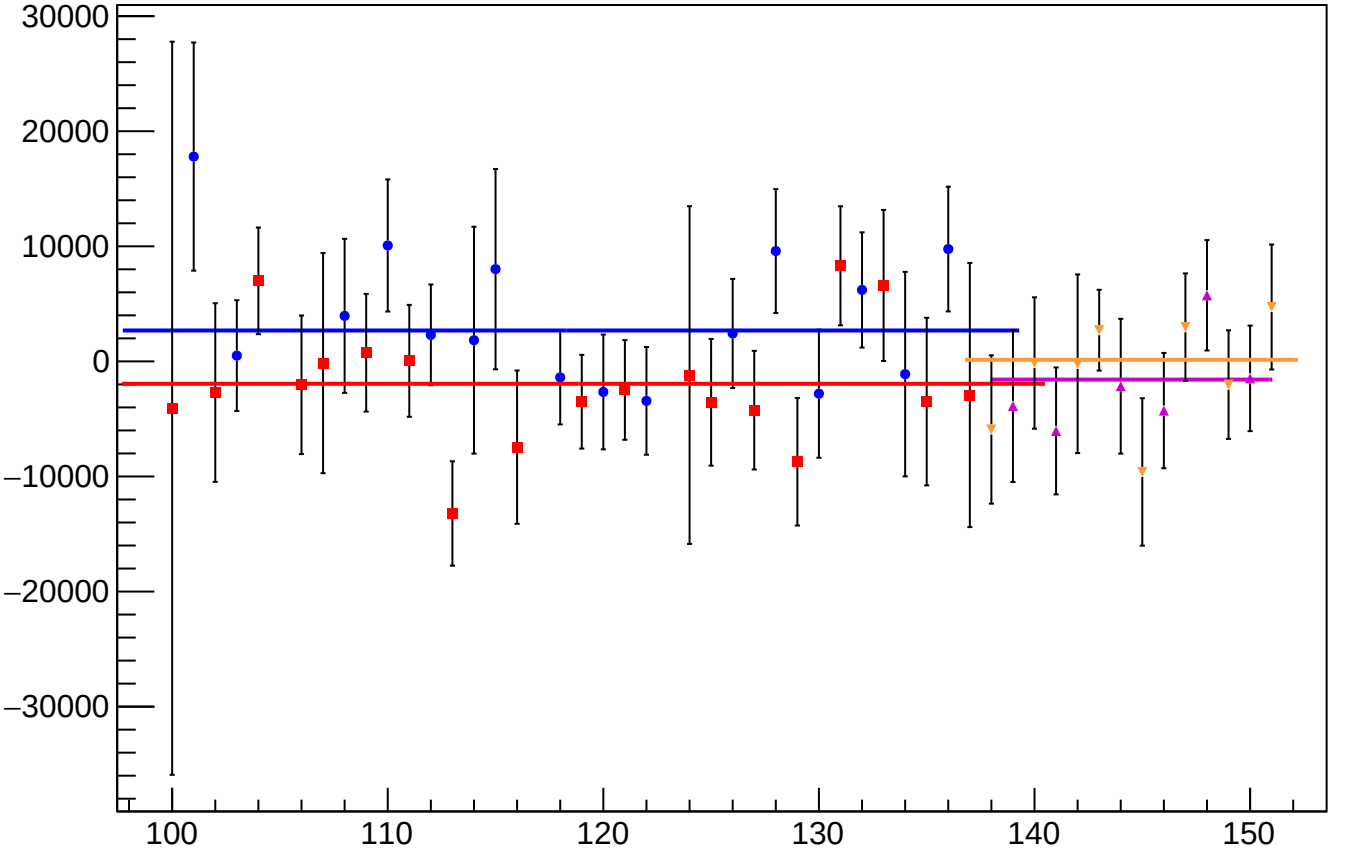
Left In: 4759.692+/-1.483 χ^2/NDF:167892.3/5

+ sign 3455.874+/-0.697 χ^2/NDF: 2043101.0/23

All: 3317.643+/-0.484 χ^2/NDF: 5050829.9/48

- sign 3188.446+/-0.674 χ^2/NDF: 2931591.8/24

asym_atr1l2_avg_mean vs Slug



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: 137.138+/-1821.413 χ^2/NDF:5.0/7

Right Out: -1945.685+/-1332.986 χ^2/NDF: 18.7/18

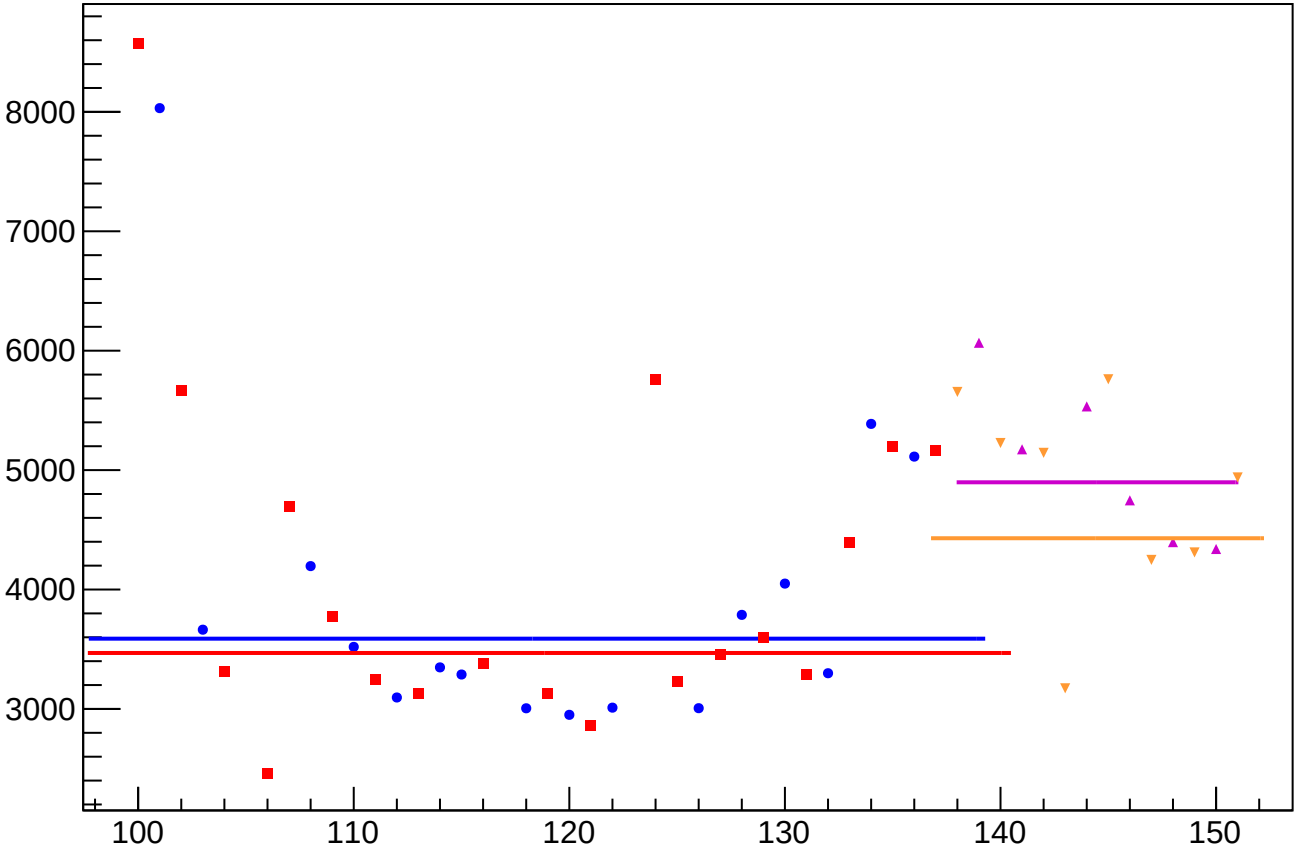
Left In: -1581.636+/-2152.870 χ^2/NDF:3.4/5

+ sign 1756.159+/-1099.899 χ^2/NDF: 19.7/23

All: 9.576+/-789.301 χ^2/NDF: 47.0/48

- sign -1844.798+/-1133.331 χ^2/NDF: 22.1/24

asym_atr1l2_avg_rms vs Slug



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 4429.452+/-1.288 χ^2/NDF:492650.5/7

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

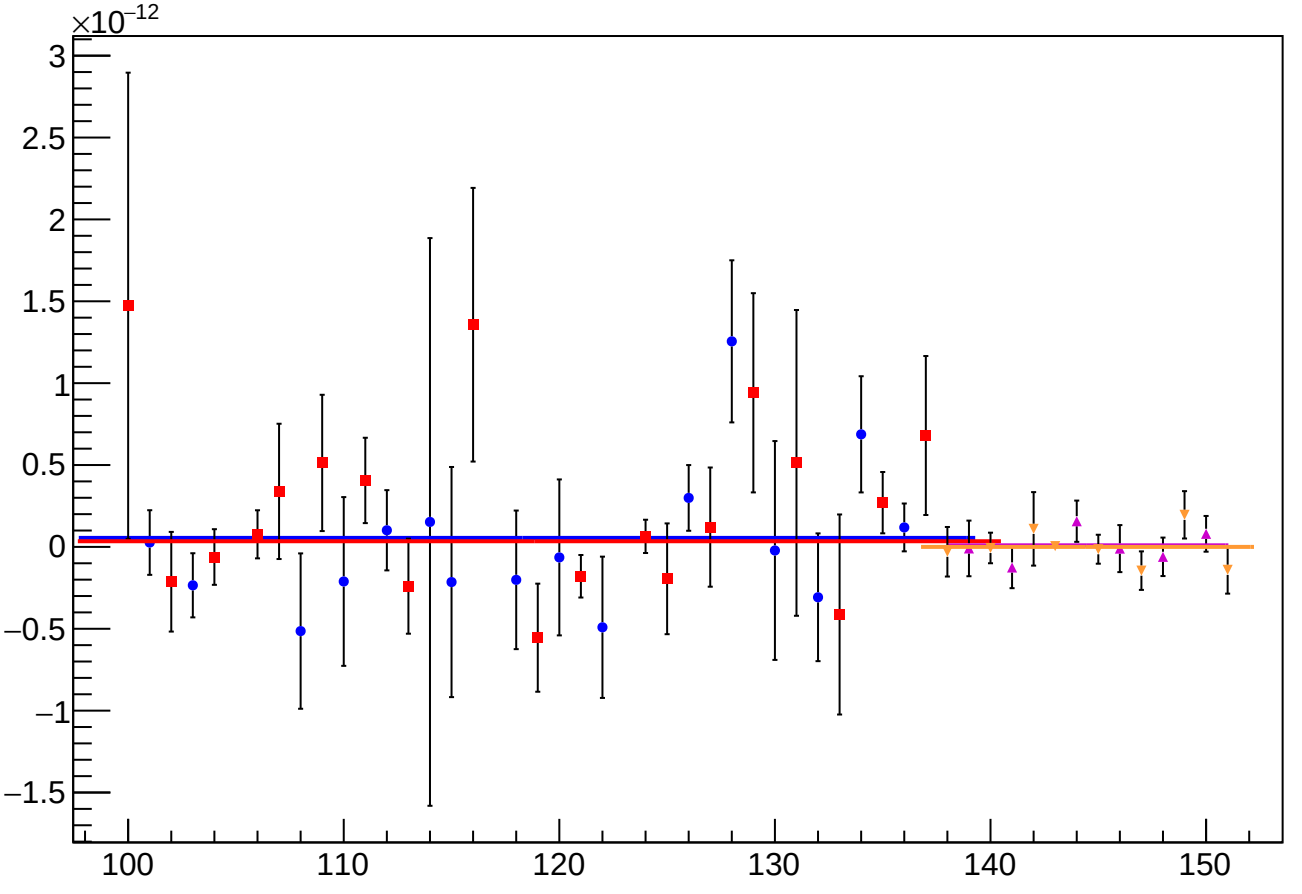
Left In: 4897.946+/-1.522 χ^2/NDF:144356.2/5

+ sign 3895.117+/-0.778 χ^2/NDF: 1608784.3/23

All: 3875.938+/-0.555 χ^2/NDF: 3063549.8/48

- sign 3856.024+/-0.793 χ^2/NDF: 1453526.0/24

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:4.6/7

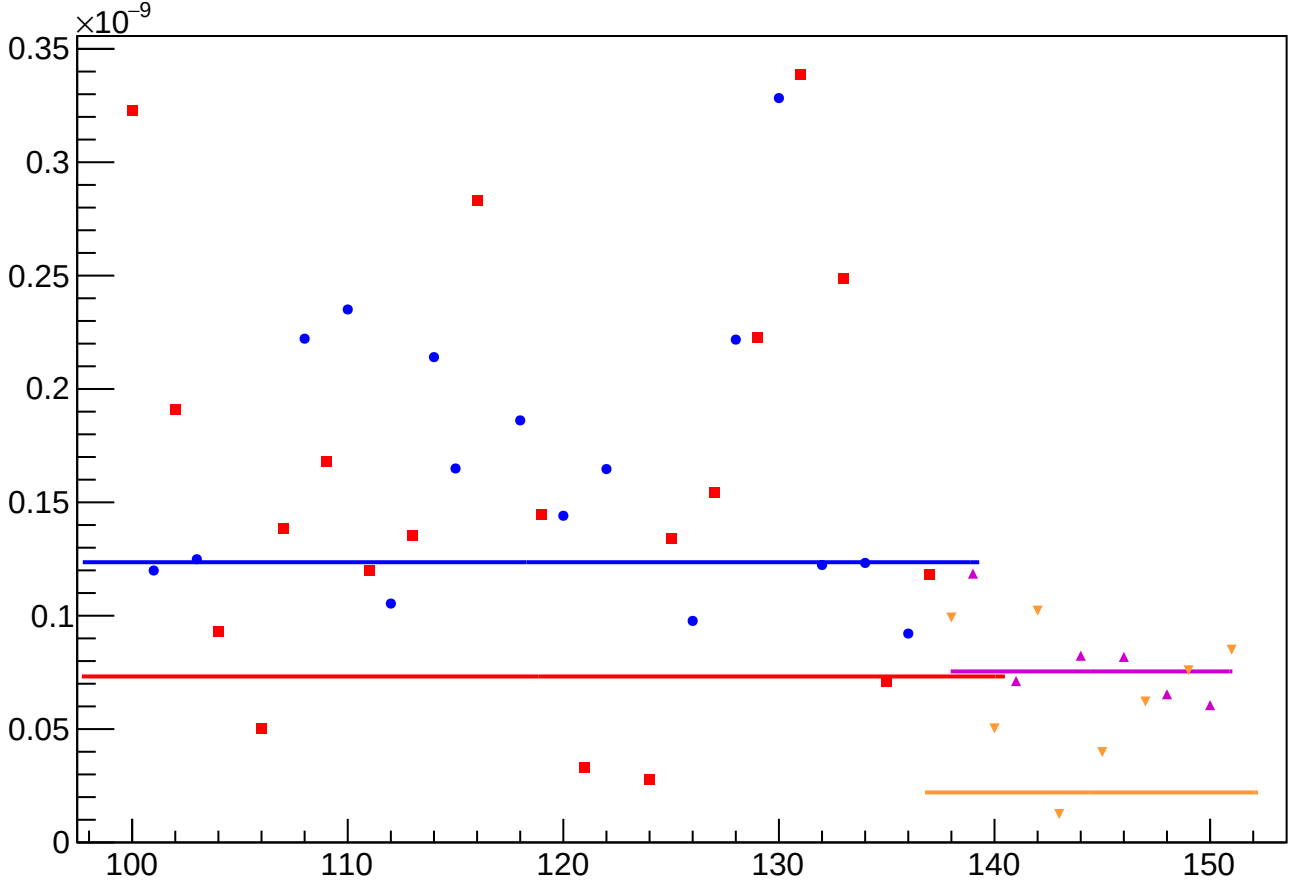
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:3.3/5

+ sign 0.000+/-0.000 χ^2/NDF: 22.9/23

All: 0.000+/-0.000 χ^2/NDF: 48.8/48

- sign 0.000+/-0.000 χ^2/NDF: 25.7/24



Right In: 0.000+/-0.000 χ^2/NDF: 662149.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:2283401.7/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2188857.9/18

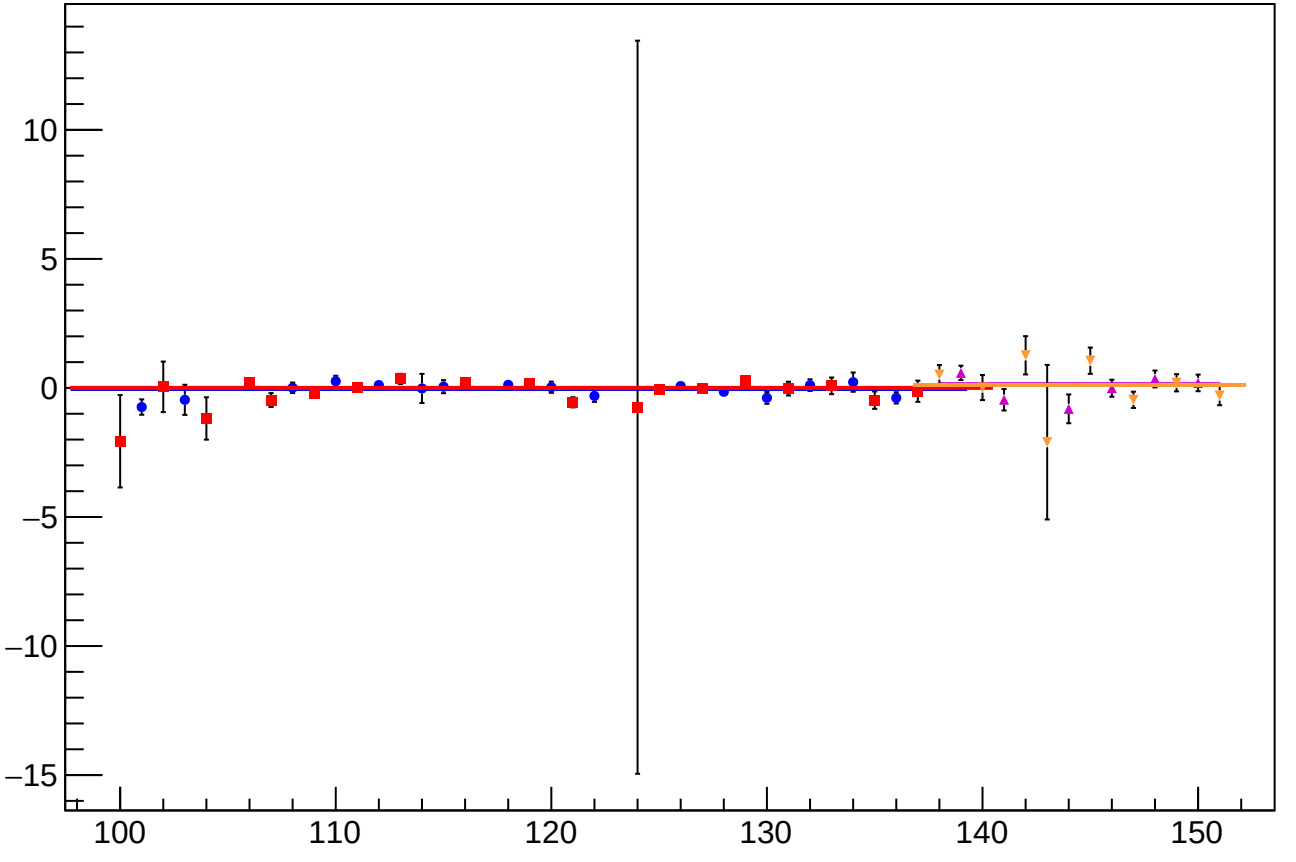
Left In: 0.000+/-0.000 χ^2/NDF:193051.4/5

+ sign 0.000+/-0.000 χ^2/NDF: 6526265.9/23

All: 0.000+/-0.000 χ^2/NDF: 11208143.1/48

- sign 0.000+/-0.000 χ^2/NDF: 2383684.0/24

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.115+/-0.152 χ^2/NDF:12.1/7

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

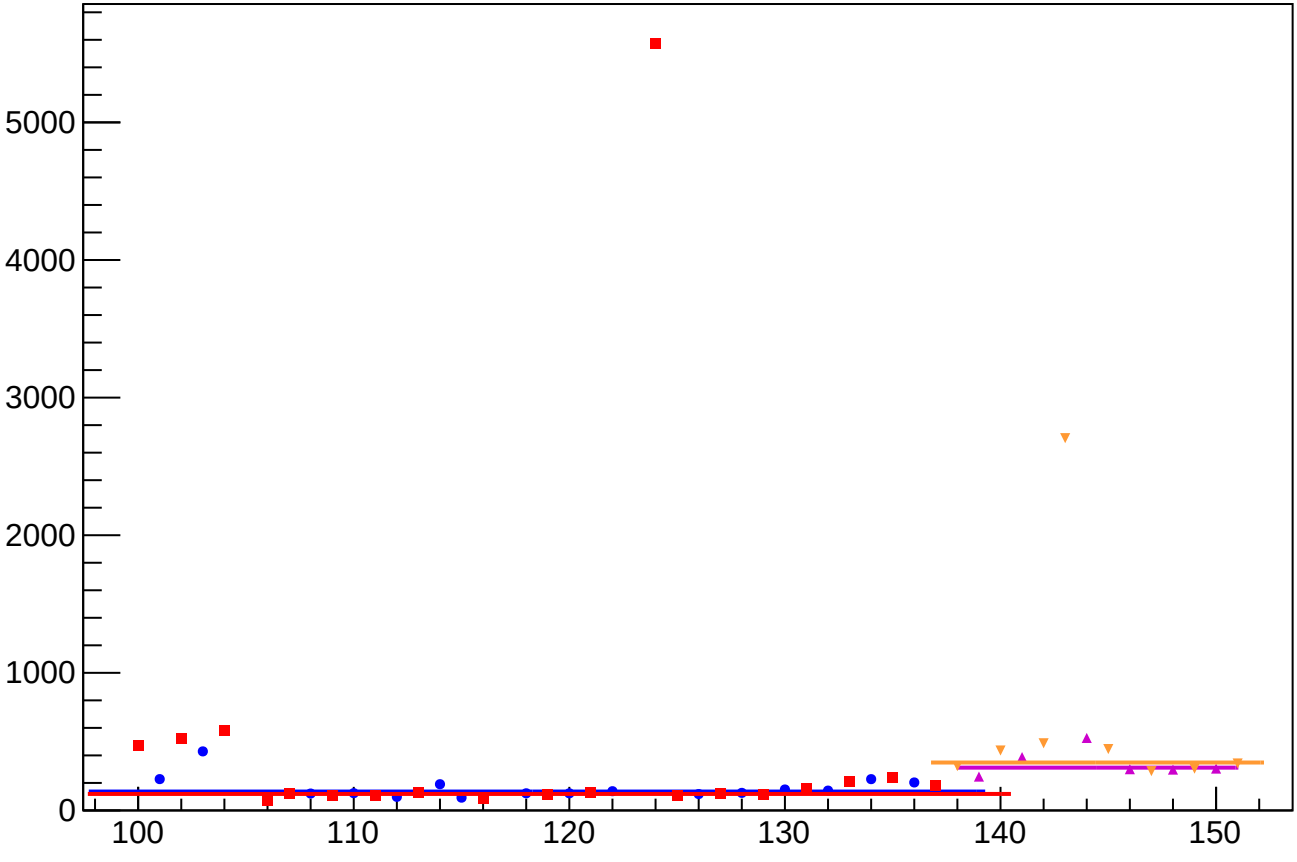
Left In: 0.147+/-0.141 χ^2/NDF:8.1/5

+ sign -0.021+/-0.052 χ^2/NDF: 31.0/23

All: 0.001+/-0.035 χ^2/NDF: 69.1/48

- sign 0.019+/-0.048 χ^2/NDF: 37.7/24

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 348.328+/-0.107 χ^2/NDF:1572737.9/7

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

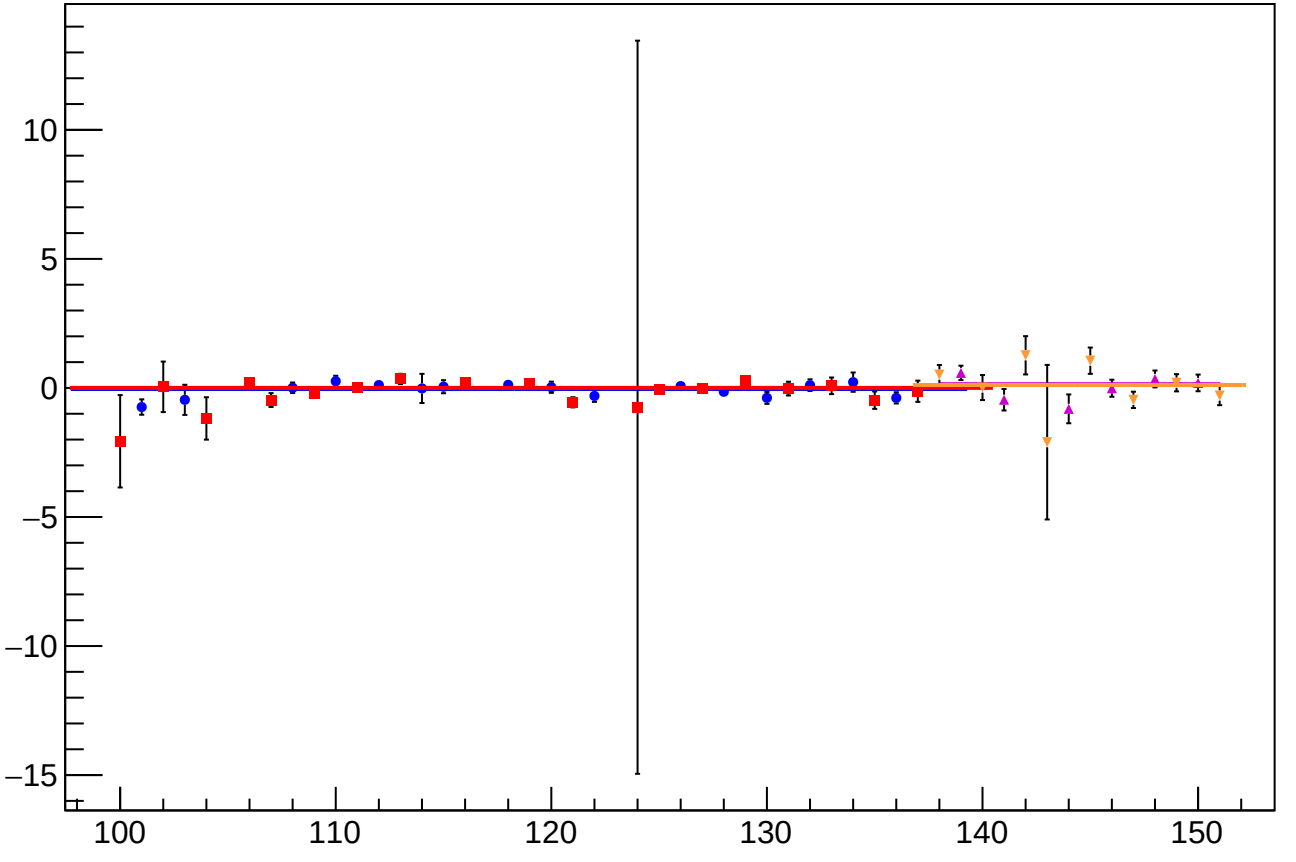
Left In: 311.062+/-0.100 χ^2/NDF:482861.4/5

+ sign 162.500+/-0.037 χ^2/NDF: 6239340.3/23

All: 151.296+/-0.025 χ^2/NDF: 12259444.9/48

- sign 141.924+/-0.034 χ^2/NDF: 5852133.8/24

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: 0.115+/-0.152 χ^2/NDF:12.1/7

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

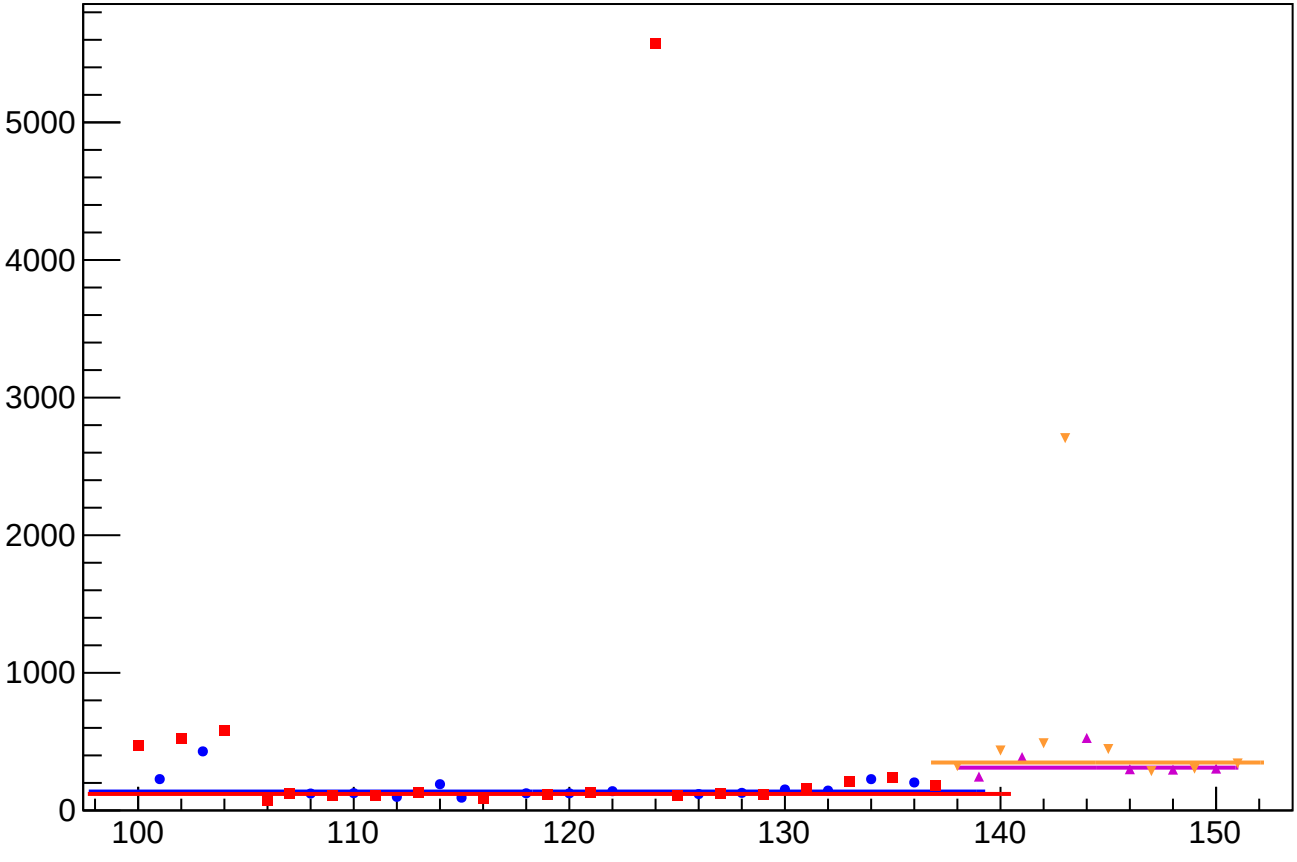
Left In: 0.147+/-0.141 χ^2/NDF:8.1/5

\+ sign -0.021+/-0.052 χ^2/NDF: 31.0/23

All: 0.001+/-0.035 χ^2/NDF: 69.1/48

\- sign 0.019+/-0.048 χ^2/NDF: 37.7/24

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 348.328+/-0.107 χ^2/NDF:1572737.9/7

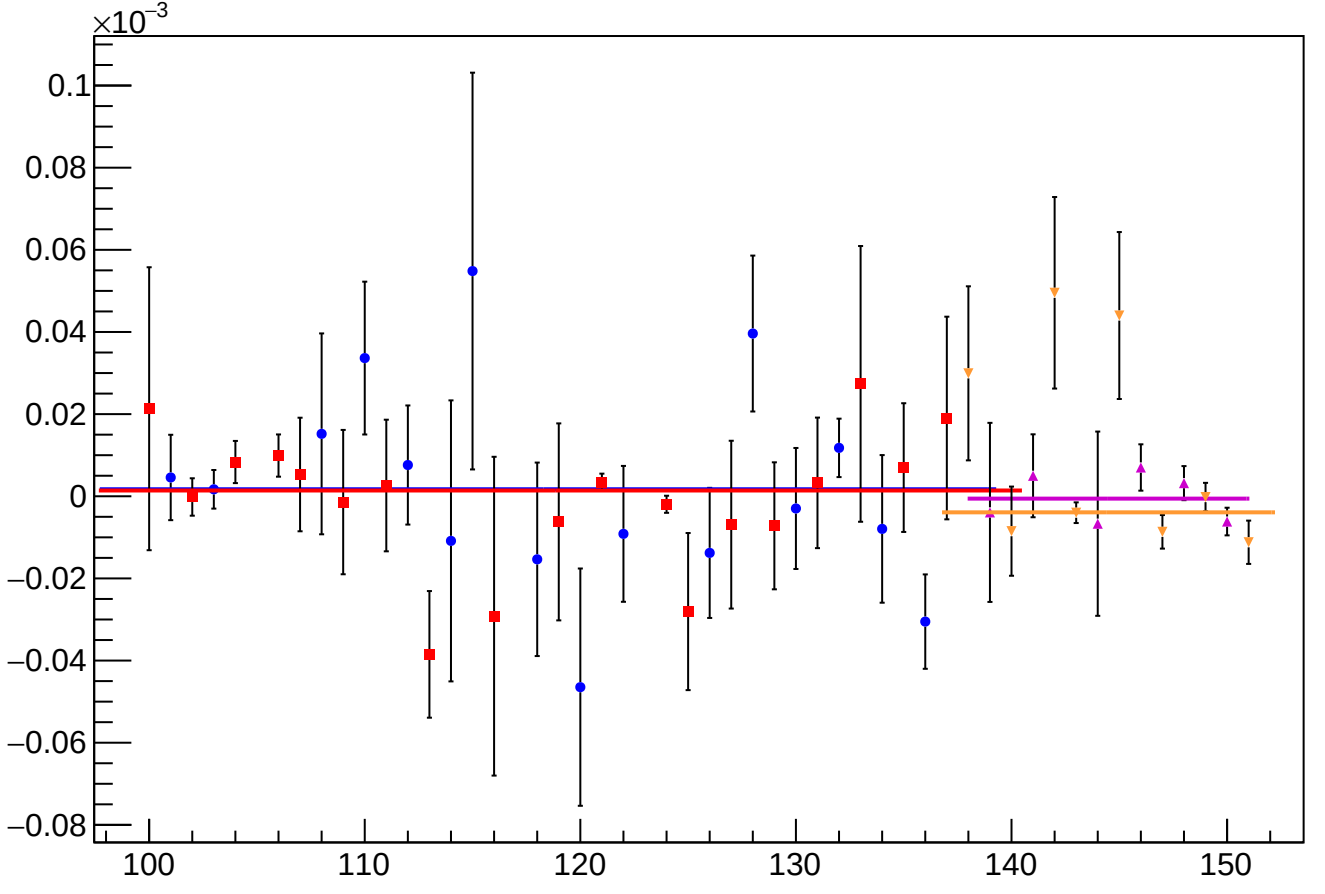
Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 311.062+/-0.100 χ^2/NDF:482861.4/5

+ sign 162.500+/-0.037 χ^2/NDF: 6239340.3/23

All: 151.296+/-0.025 χ^2/NDF: 12259444.9/48

- sign 141.924+/-0.034 χ^2/NDF: 5852133.8/24



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.0/7

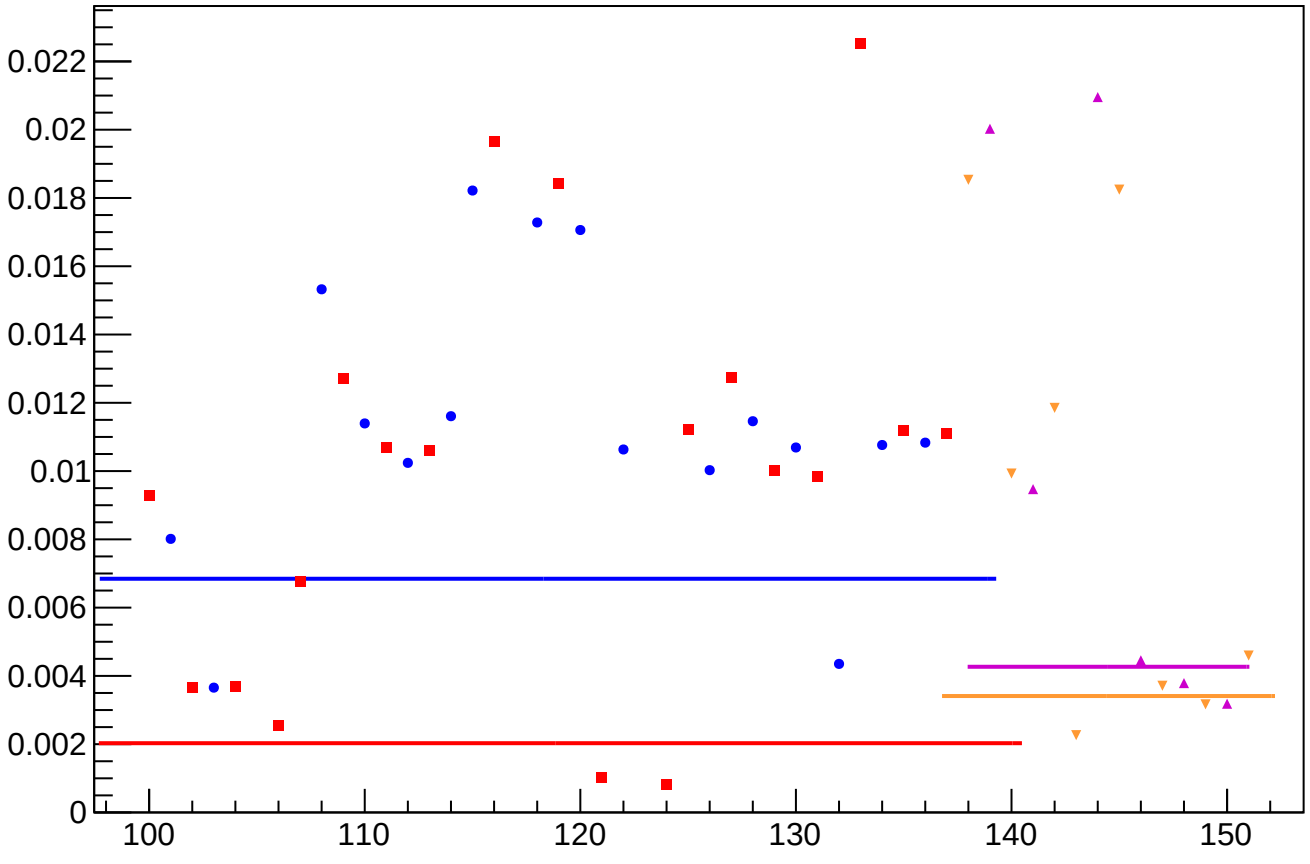
Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: -0.000+/-0.000 χ^2/NDF:5.8/5

+ sign -0.000+/-0.000 χ^2/NDF: 44.4/23

All: -0.000+/-0.000 χ^2/NDF: 74.7/48

- sign 0.000+/-0.000 χ^2/NDF: 26.6/24



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:3603927.1/7

Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

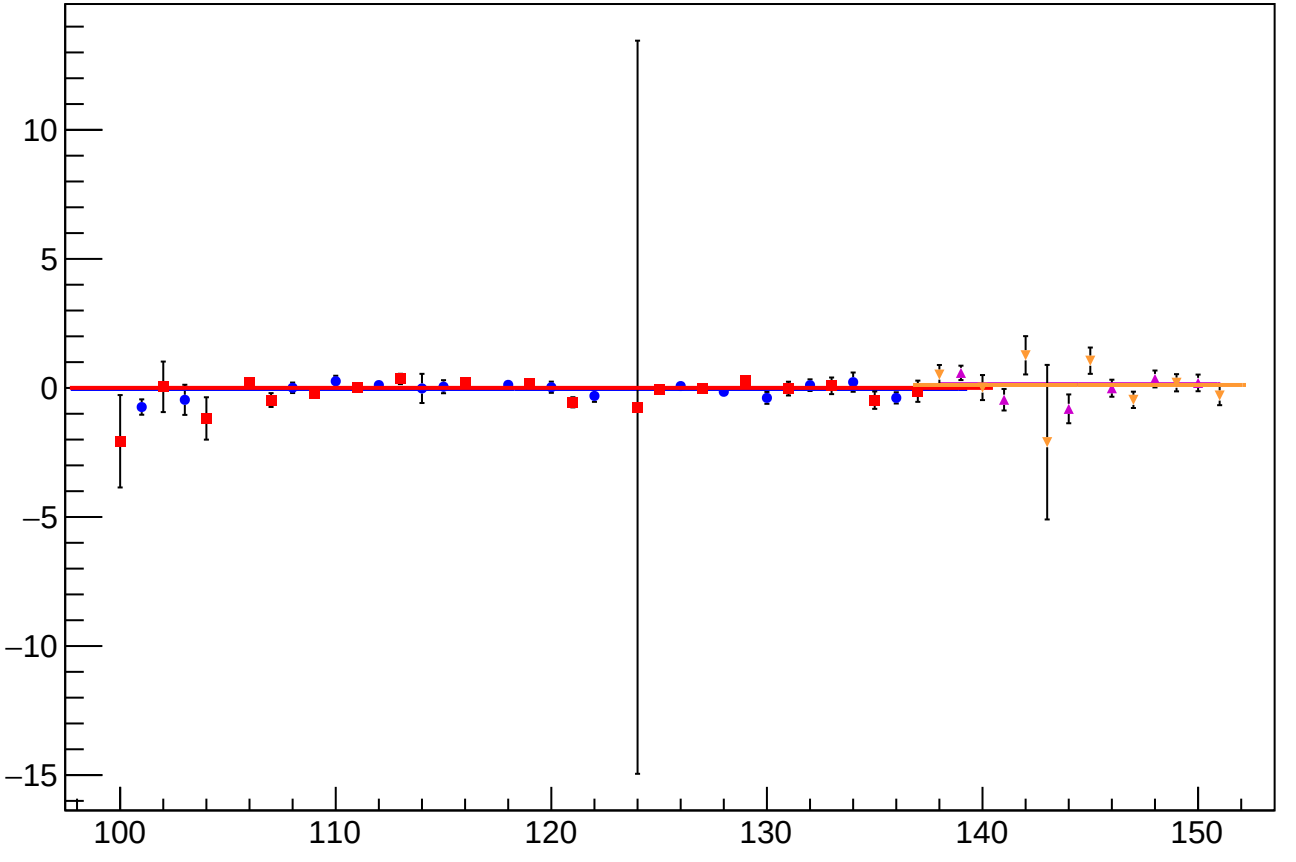
Left In: 0.004+/-0.000 χ^2/NDF:2919415.5/5

+ sign 0.004+/-0.000 χ^2/NDF: 8860925.6/23

All: 0.003+/-0.000 χ^2/NDF: 23982756.6/48

- sign 0.003+/-0.000 χ^2/NDF: 13402373.3/24

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.115+/-0.152 χ^2/NDF:12.1/7

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

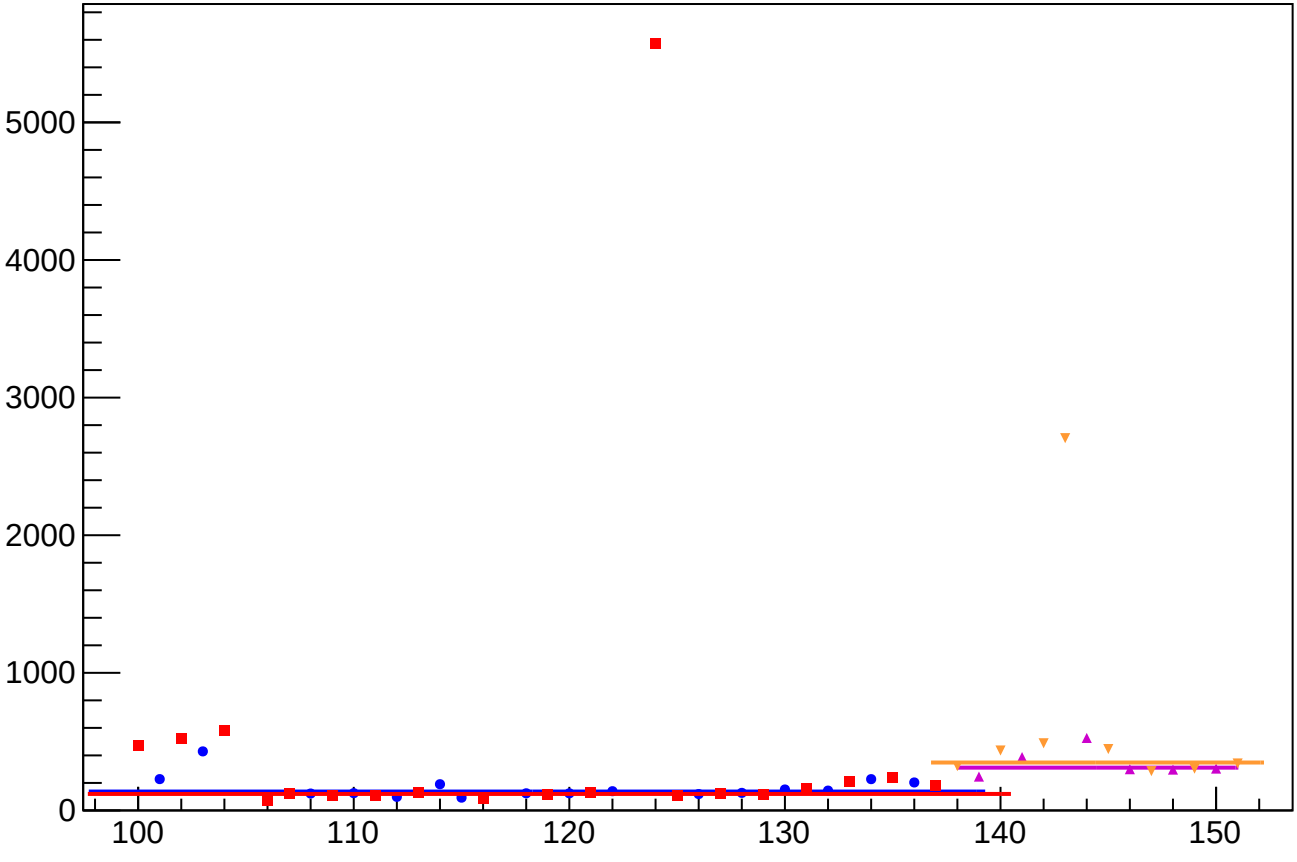
Left In: 0.147+/-0.141 χ^2/NDF:8.1/5

+ sign -0.021+/-0.052 χ^2/NDF: 31.0/23

All: 0.001+/-0.035 χ^2/NDF: 69.1/48

- sign 0.019+/-0.048 χ^2/NDF: 37.7/24

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: 348.330+/-0.107 χ^2/NDF:1572765.3/7

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

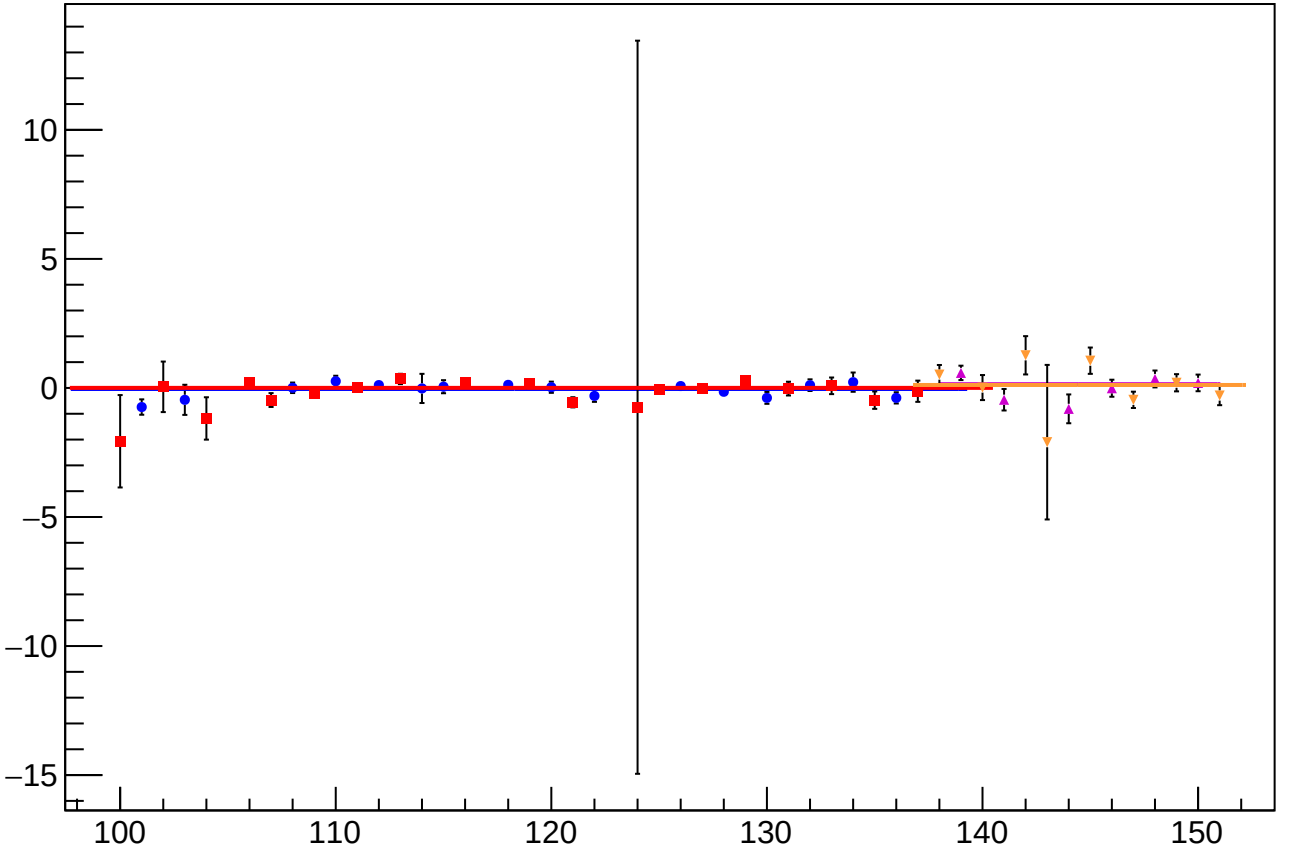
Left In: 311.066+/-0.100 χ^2/NDF:482849.3/5

+ sign 162.501+/-0.037 χ^2/NDF: 6239299.5/23

All: 151.296+/-0.025 χ^2/NDF: 12259395.0/48

- sign 141.924+/-0.034 χ^2/NDF: 5852108.5/24

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.115+/-0.152 χ^2/NDF:12.1/7

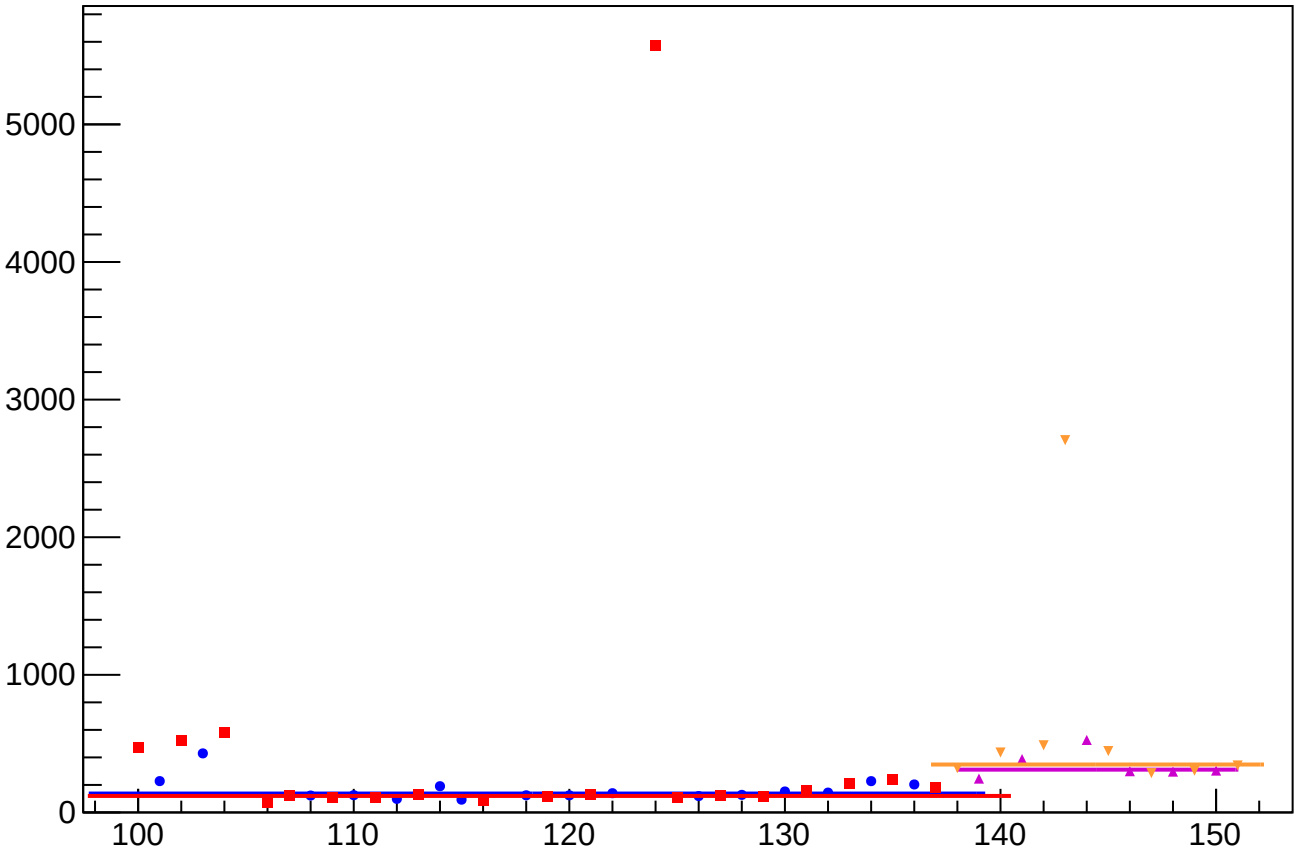
Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.147+/-0.141 χ^2/NDF:8.1/5

+ sign -0.021+/-0.052 χ^2/NDF: 31.0/23

All: 0.001+/-0.035 χ^2/NDF: 69.1/48

- sign 0.019+/-0.048 χ^2/NDF: 37.7/24



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 348.330+/-0.107 χ^2/NDF:1572765.3/7

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

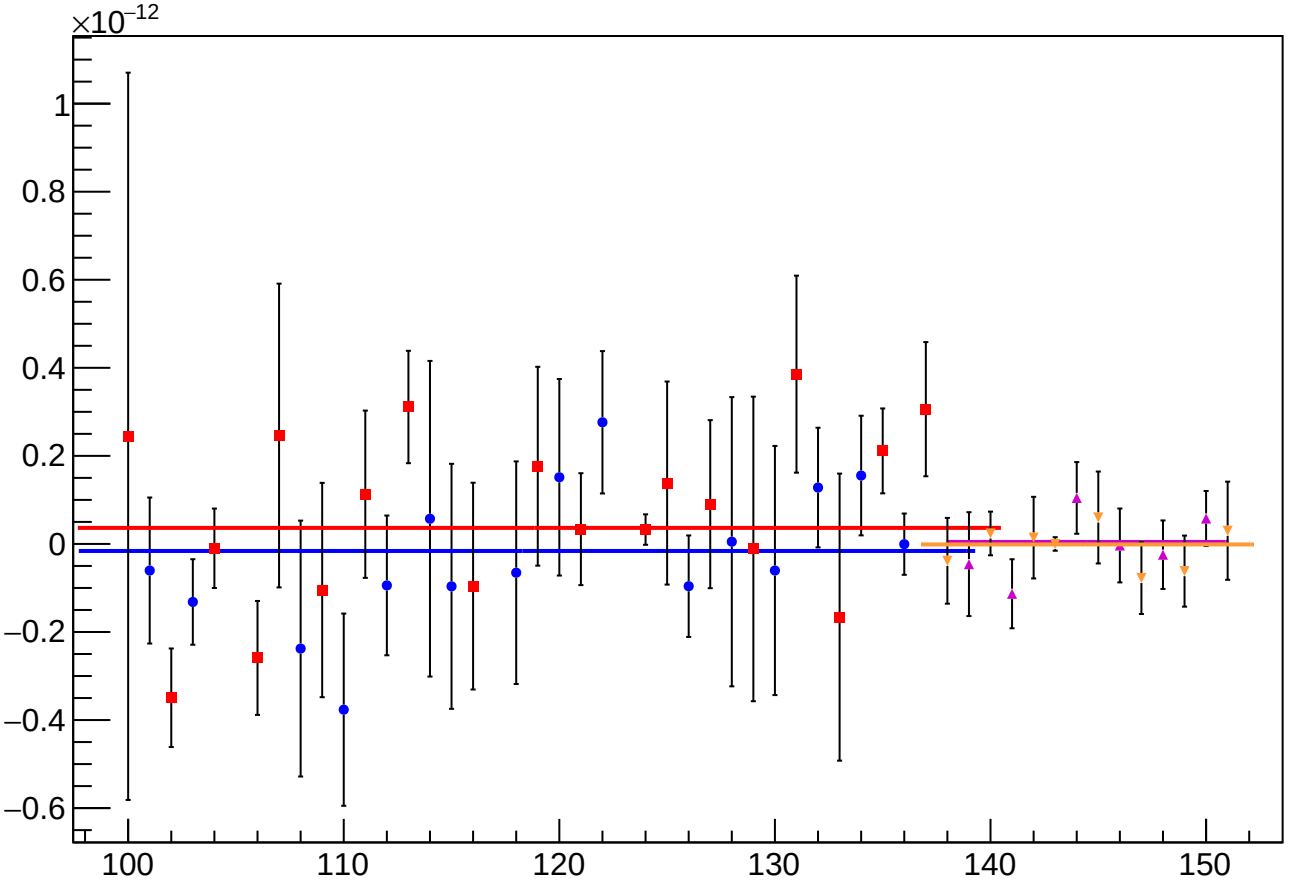
Left In: 311.066+/-0.100 χ^2/NDF:482849.3/5

+ sign 162.501+/-0.037 χ^2/NDF: 6239299.5/23

All: 151.296+/-0.025 χ^2/NDF: 12259395.0/48

- sign 141.924+/-0.034 χ^2/NDF: 5852108.5/24

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.3/7

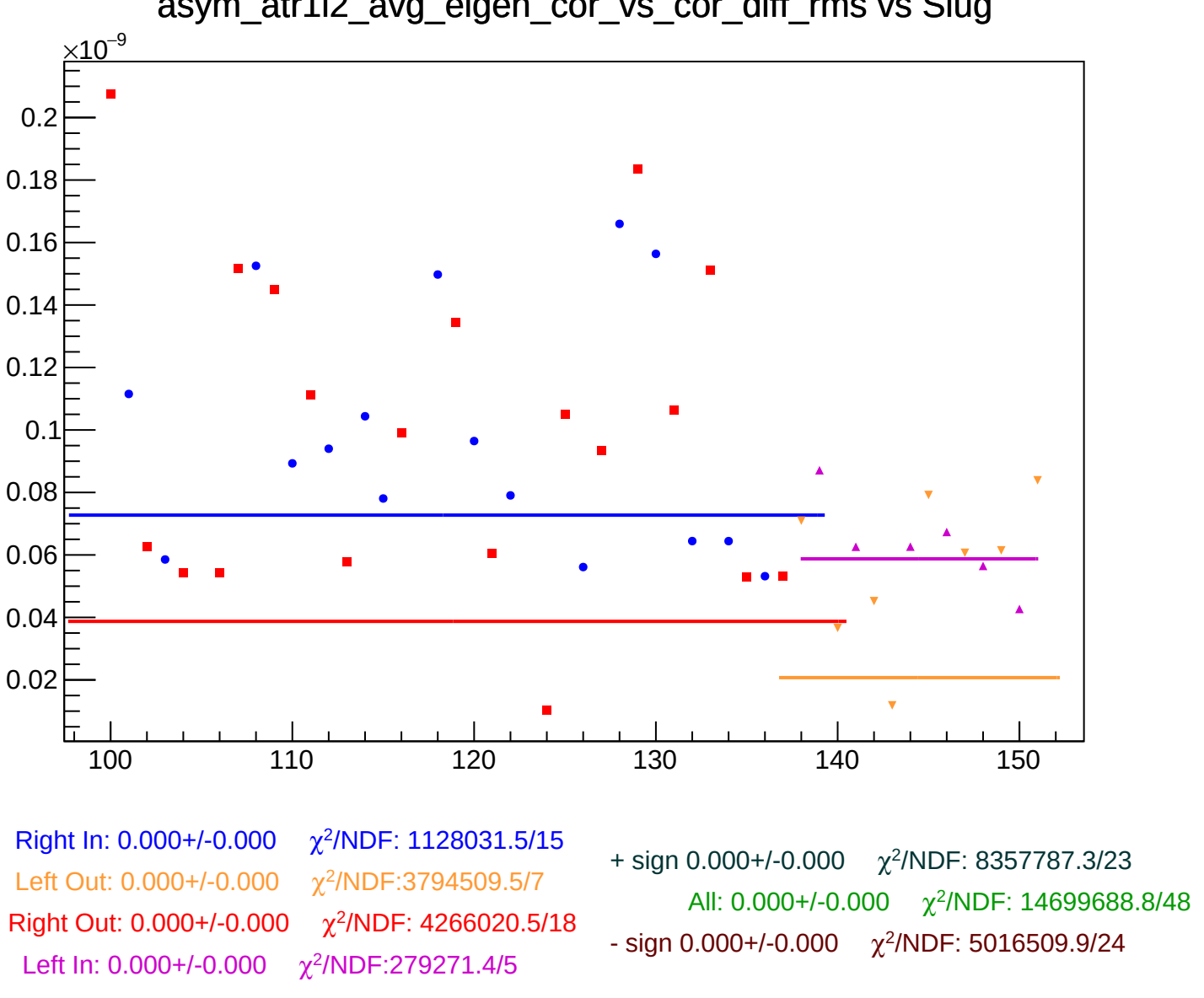
Right Out: 0.000+/-0.000 χ^2/NDF: 33.2/18

Left In: 0.000+/-0.000 χ^2/NDF:4.8/5

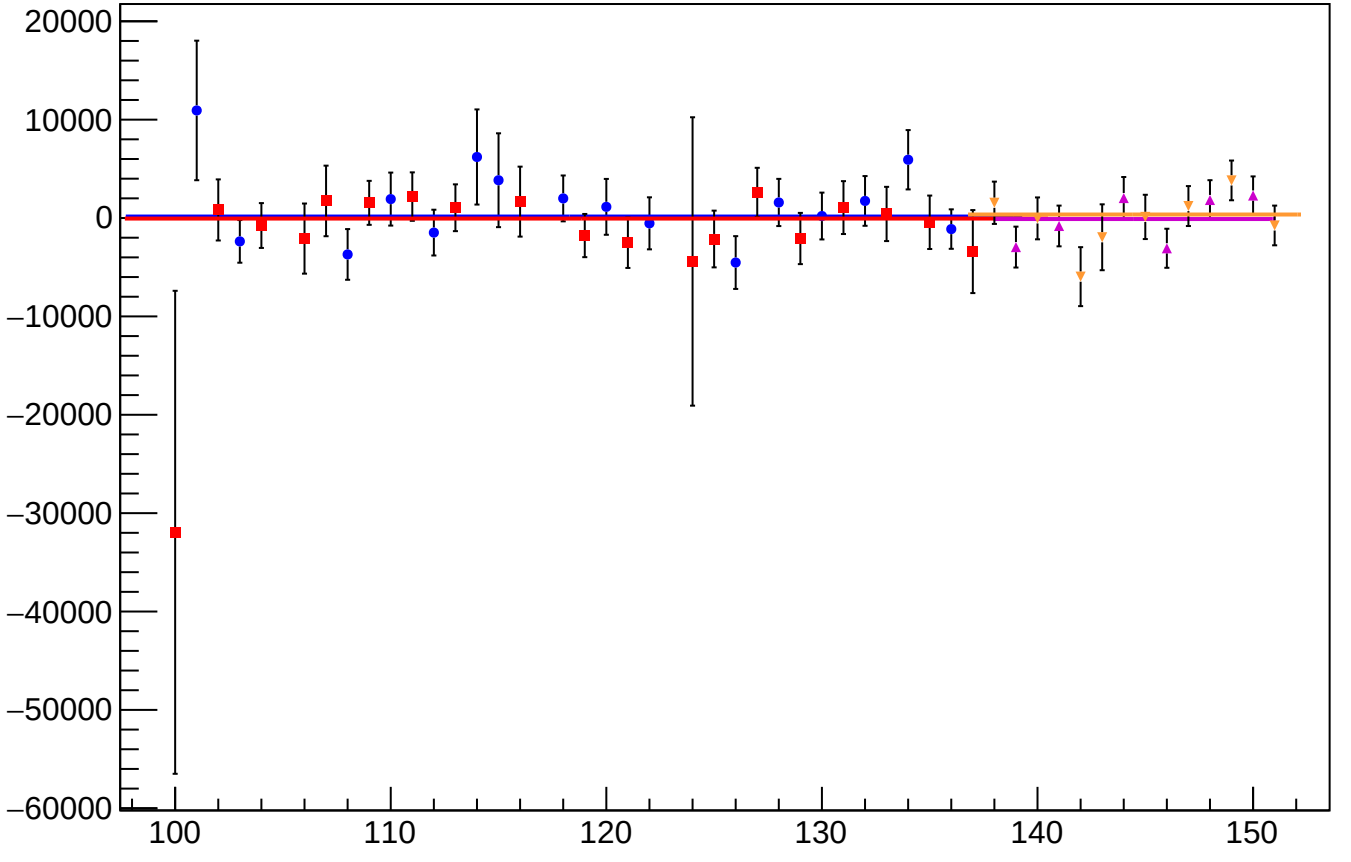
+ sign -0.000+/-0.000 χ^2/NDF: 14.7/23

All: 0.000+/-0.000 χ^2/NDF: 54.6/48

- sign 0.000+/-0.000 χ^2/NDF: 38.6/24


asym_atr1l2_avg_eigen_cor_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
Right In: 0.000+/-0.000 χ²/NDF: 1128031.5/15
Left Out: 0.000+/-0.000 χ²/NDF:3794509.5/7
Right Out: 0.000+/-0.000 χ²/NDF: 4266020.5/18
Left In: 0.000+/-0.000 χ²/NDF:279271.4/5
+ sign 0.000+/-0.000 χ²/NDF: 8357787.3/23
All: 0.000+/-0.000 χ²/NDF: 14699688.8/48
- sign 0.000+/-0.000 χ²/NDF: 5016509.9/24

reg_asym_atr1l2_dd_mean vs Slug



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: 356.994+/-798.554 χ^2/NDF:8.7/7

Right Out: -54.106+/-655.266 χ^2/NDF: 9.0/18

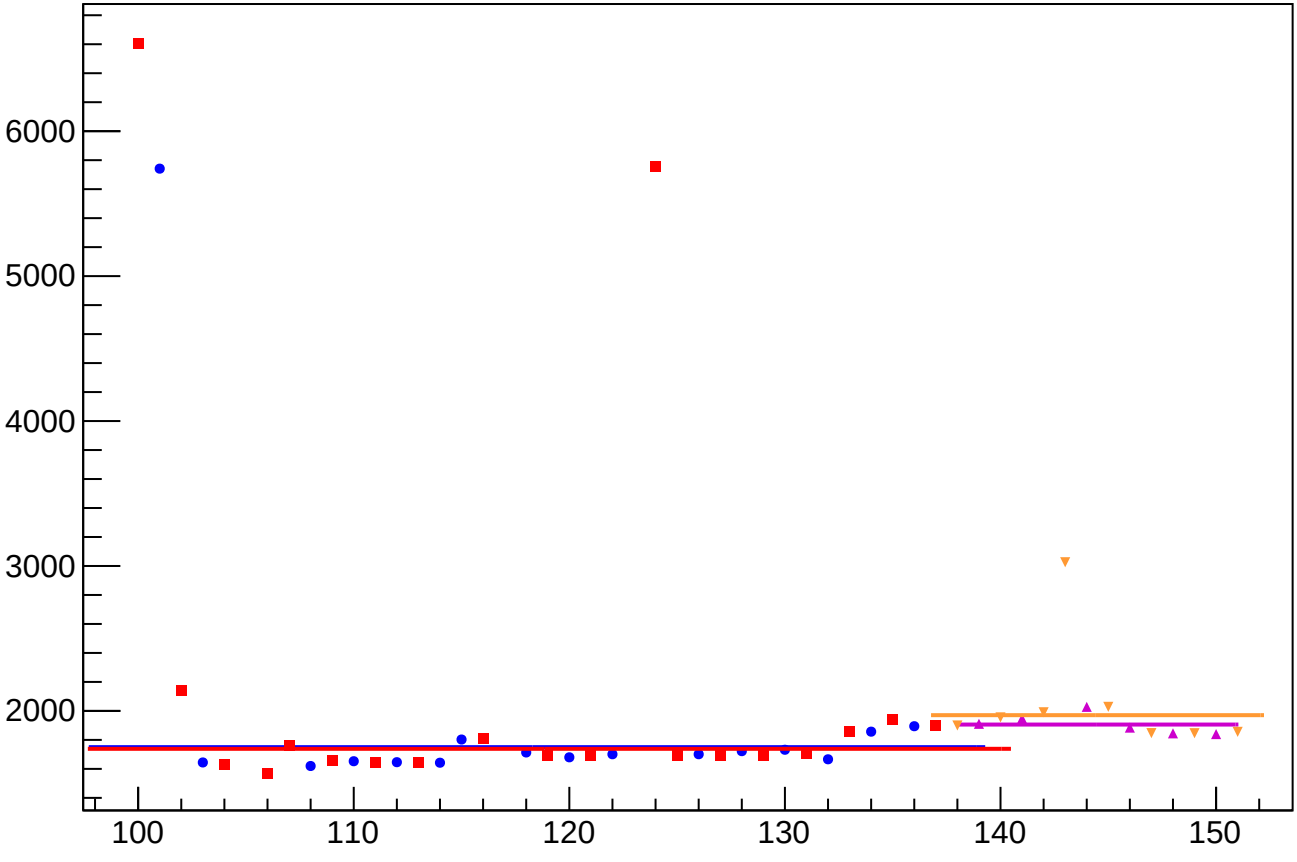
Left In: -102.490+/-830.515 χ^2/NDF:7.7/5

+ sign 235.494+/-511.931 χ^2/NDF: 26.4/23

All: 82.162+/-362.870 χ^2/NDF: 43.2/48

- sign -72.670+/-514.429 χ^2/NDF: 16.6/24

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 1970.618+/-0.565 χ^2/NDF:223760.3/7

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

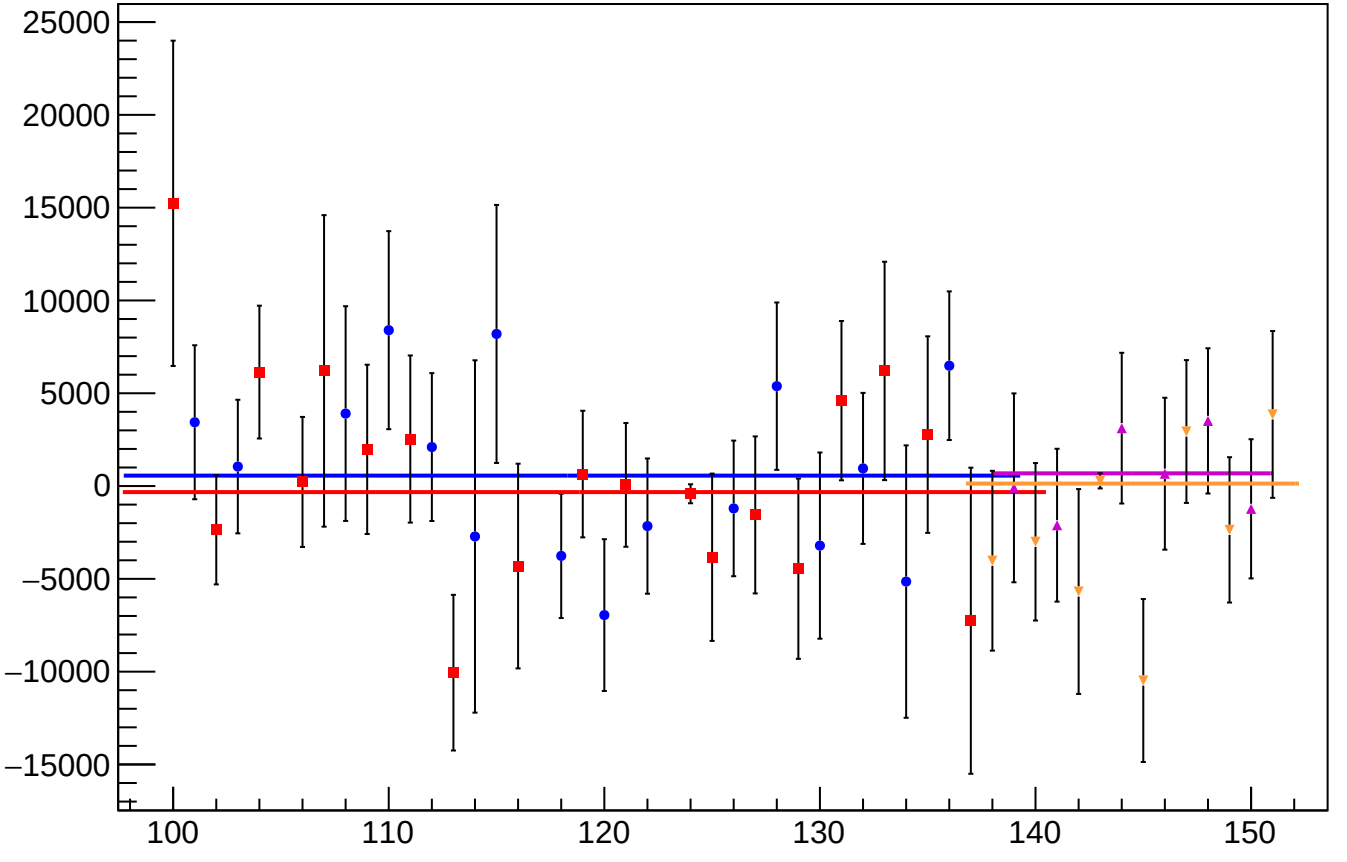
Left In: 1905.850+/-0.587 χ^2/NDF:11678.4/5

+ sign 1840.589+/-0.362 χ^2/NDF: 983363.3/23

All: 1821.361+/-0.256 χ^2/NDF: 1355515.5/48

- sign 1802.121+/-0.362 χ^2/NDF: 366507.7/24

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 133.503+/-397.140 χ^2/NDF:10.0/7

Right Out: -325.567+/-457.948 χ^2/NDF: 19.2/18

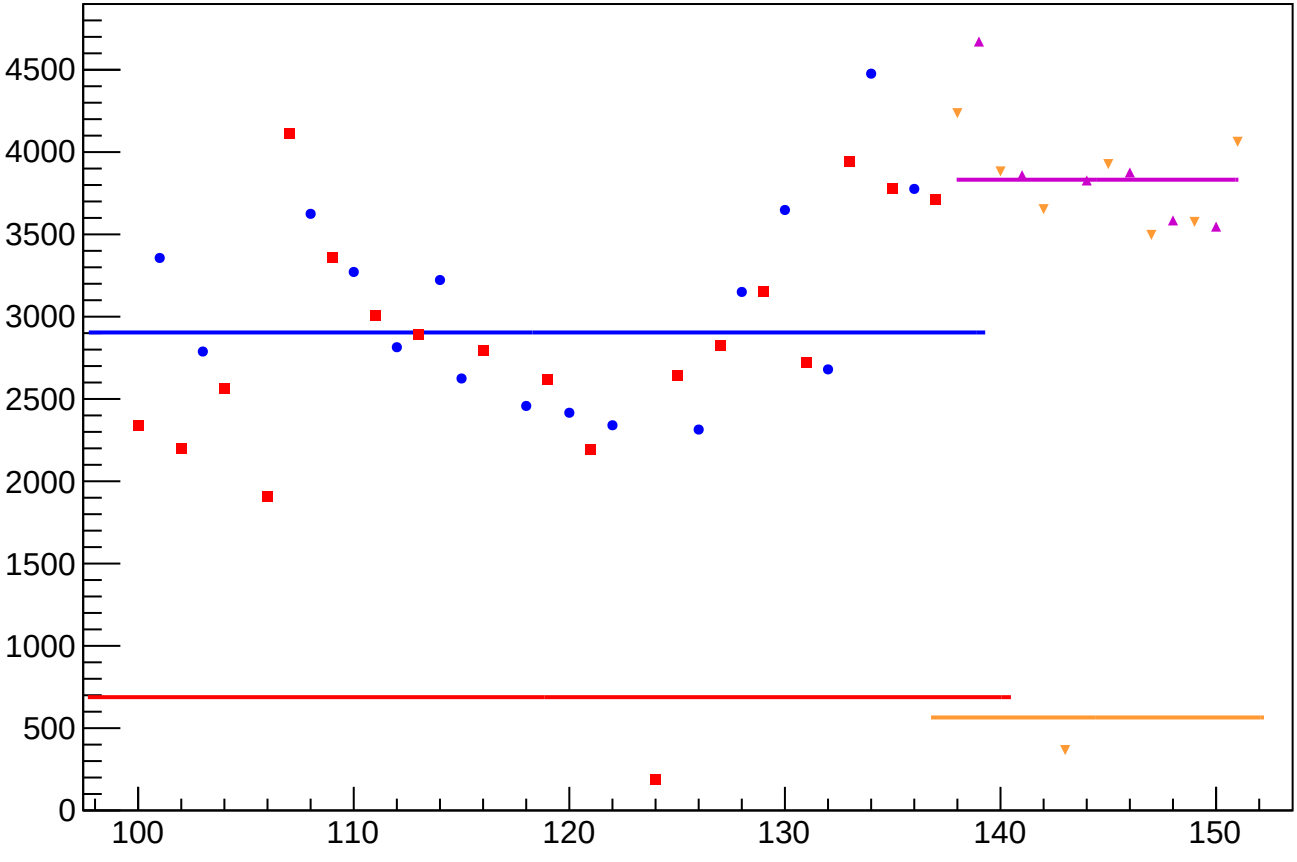
Left In: 685.251+/-1679.865 χ^2/NDF:1.6/5

+ sign 182.862+/-373.586 χ^2/NDF: 24.9/23

All: 0.052+/-285.275 χ^2/NDF: 46.7/48

- sign -255.643+/-441.825 χ^2/NDF: 21.2/24

asym_atr1l2_dd_reg_correction_rms vs Slug



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 564.963+/-0.281 χ^2/NDF:8195543.4/7

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

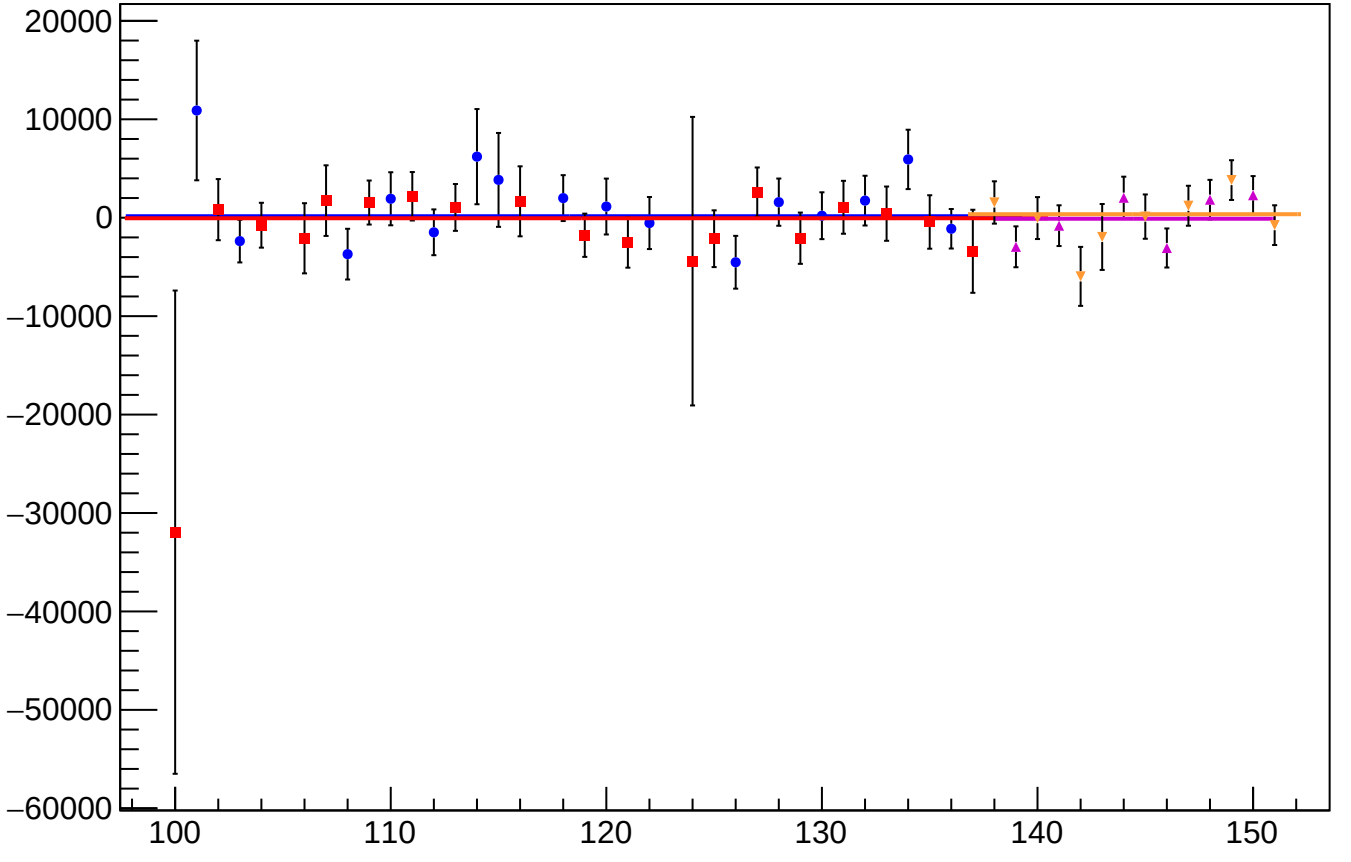
Left In: 3832.209+/-1.188 χ^2/NDF:74289.0/5

+ sign 834.194+/-0.264 χ^2/NDF: 16661097.3/23

All: 864.046+/-0.202 χ^2/NDF: 33435472.3/48

- sign 905.799+/-0.312 χ^2/NDF: 16743743.9/24

cor_asym_atr1l2_dd_mean vs Slug



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 356.979+/-798.554 χ^2/NDF:8.7/7

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

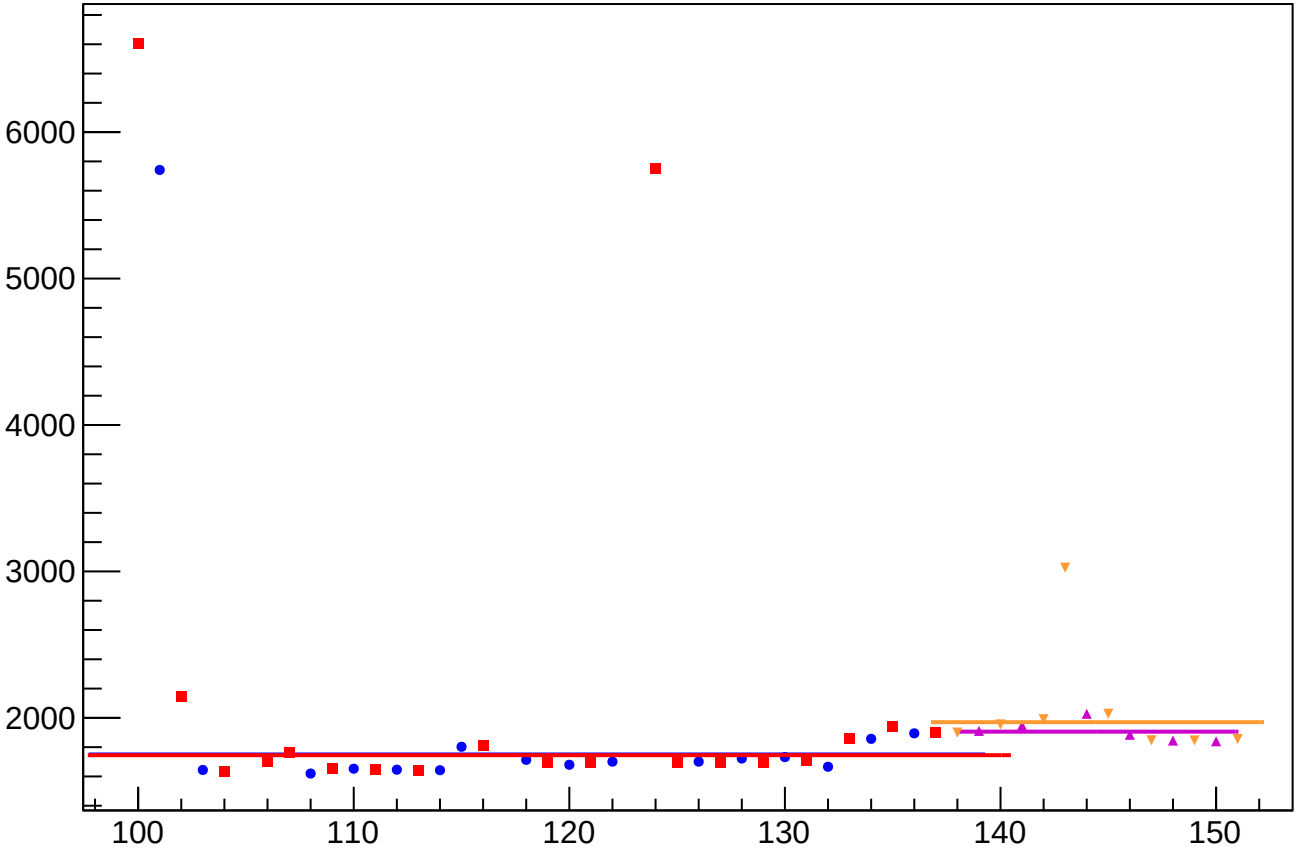
Left In: -102.569+/-830.515 χ^2/NDF:7.7/5

+ sign 235.212+/-511.932 χ^2/NDF: 26.4/23

All: 81.990+/-362.870 χ^2/NDF: 43.2/48

- sign -72.732+/-514.429 χ^2/NDF: 16.6/24

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1970.619+/-0.565 χ^2/NDF:223760.3/7

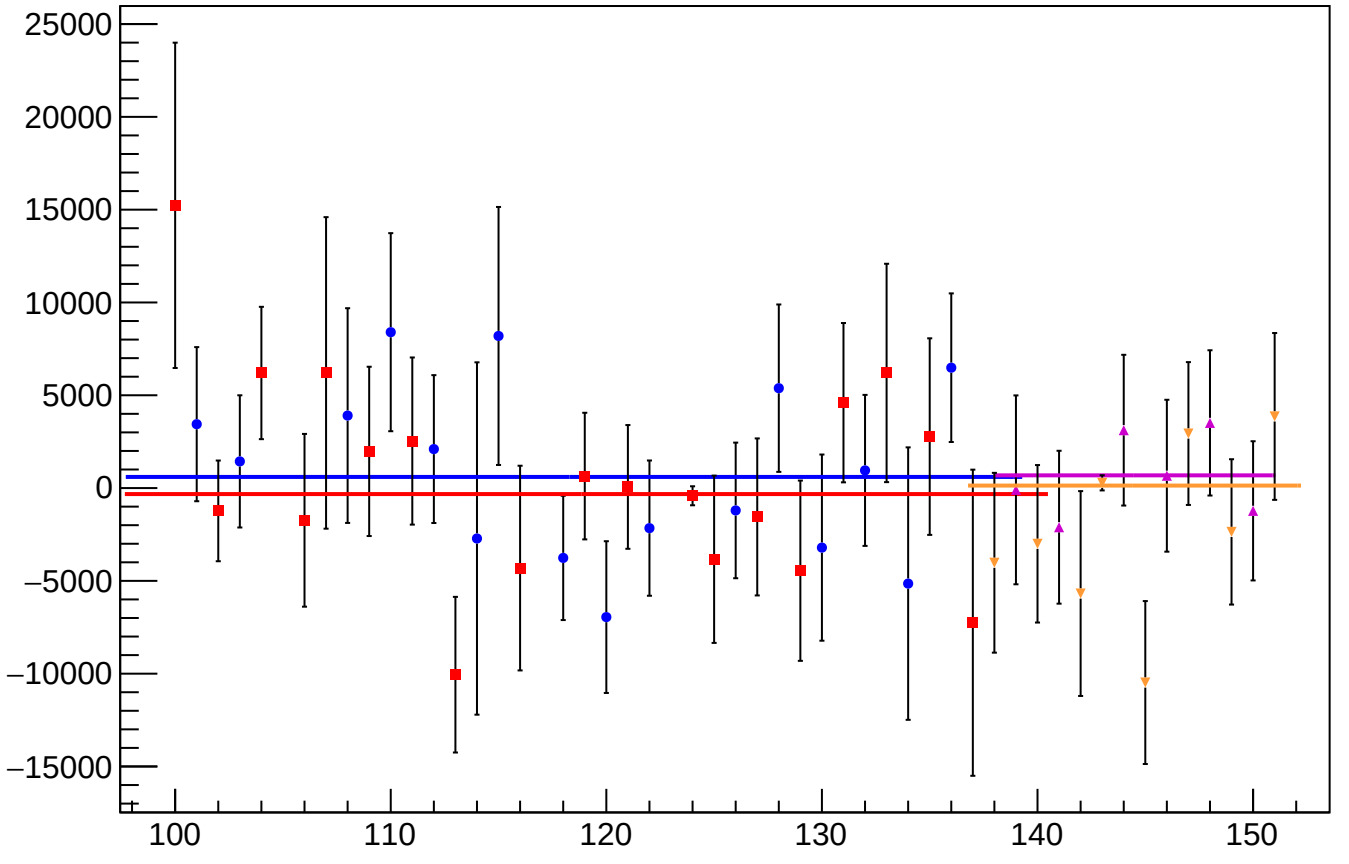
Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1905.850+/-0.587 χ^2/NDF:11678.4/5

+ sign 1840.588+/-0.362 χ^2/NDF: 983363.7/23

All: 1823.610+/-0.256 χ^2/NDF: 1343693.7/48

- sign 1806.545+/-0.363 χ^2/NDF: 355918.9/24



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 134.464+/-397.173 χ^2/NDF:10.0/7

Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

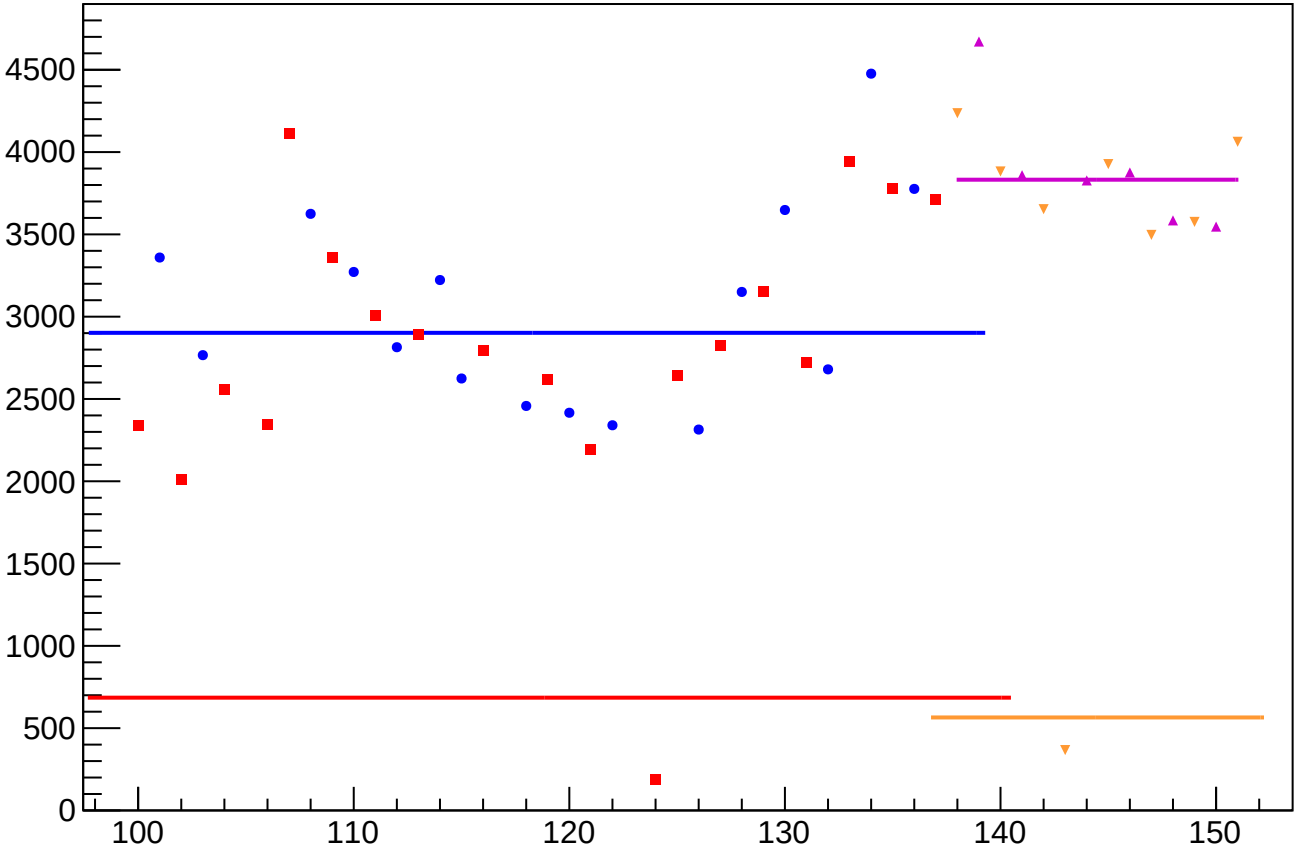
Left In: 685.326+/-1679.860 χ^2/NDF:1.6/5

\+ sign 188.168+/-373.573 χ^2/NDF: 25.0/23

All: 4.594+/-285.490 χ^2/NDF: 46.6/48

\- sign -253.141+/-442.646 χ^2/NDF: 21.0/24

asym_atr1l2_dd_cor_correction_rms vs Slug



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 565.034+/-0.281 χ^2/NDF:8195274.7/7

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

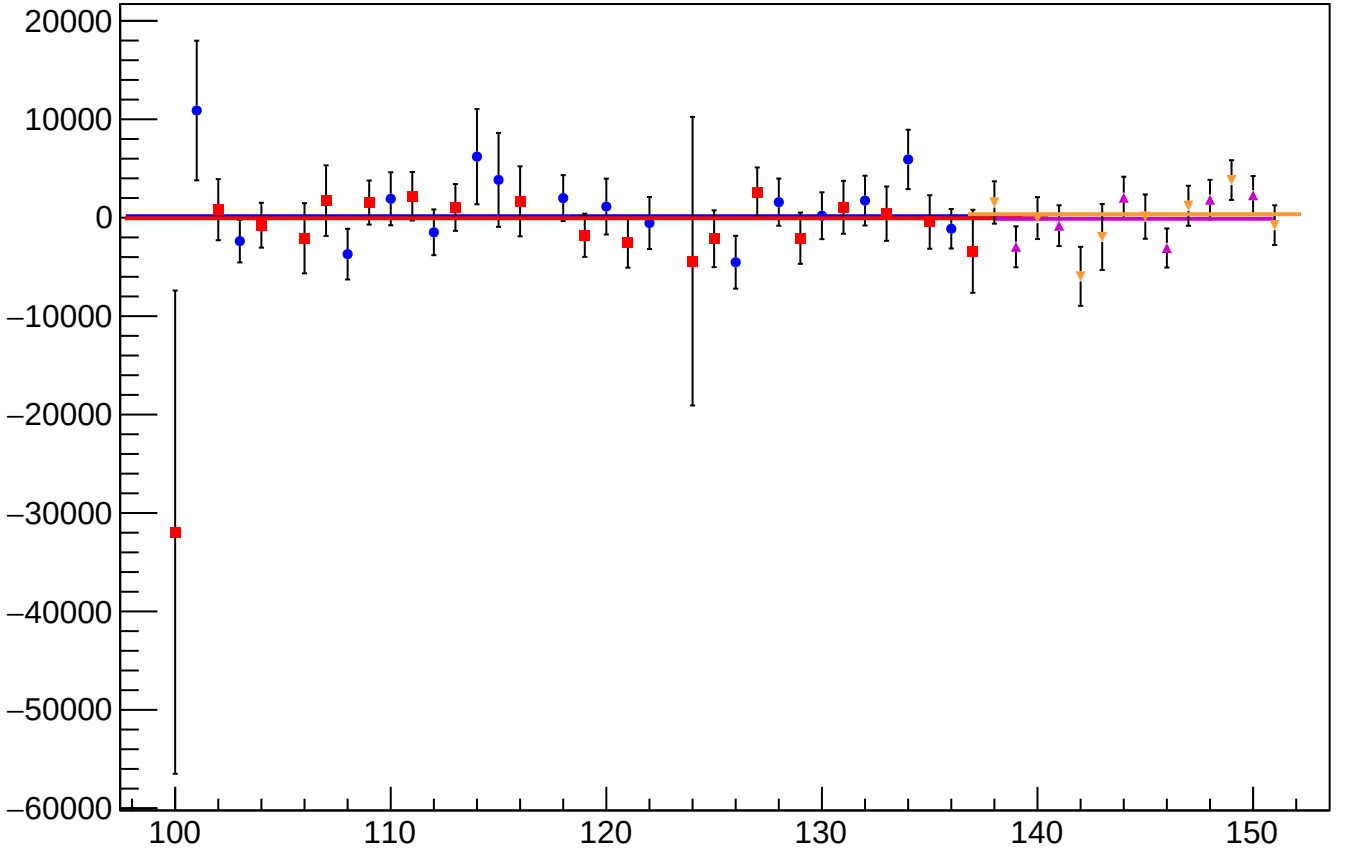
Left In: 3832.196+/-1.188 χ^2/NDF:74288.6/5

+ sign 834.493+/-0.264 χ^2/NDF: 16659647.2/23

All: 863.306+/-0.202 χ^2/NDF: 33399766.0/48

- sign 903.759+/-0.313 χ^2/NDF: 16711517.8/24

eigen_cor_asym_atr1l2_dd_mean vs Slug



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 356.979+/-798.554 χ^2/NDF:8.7/7

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

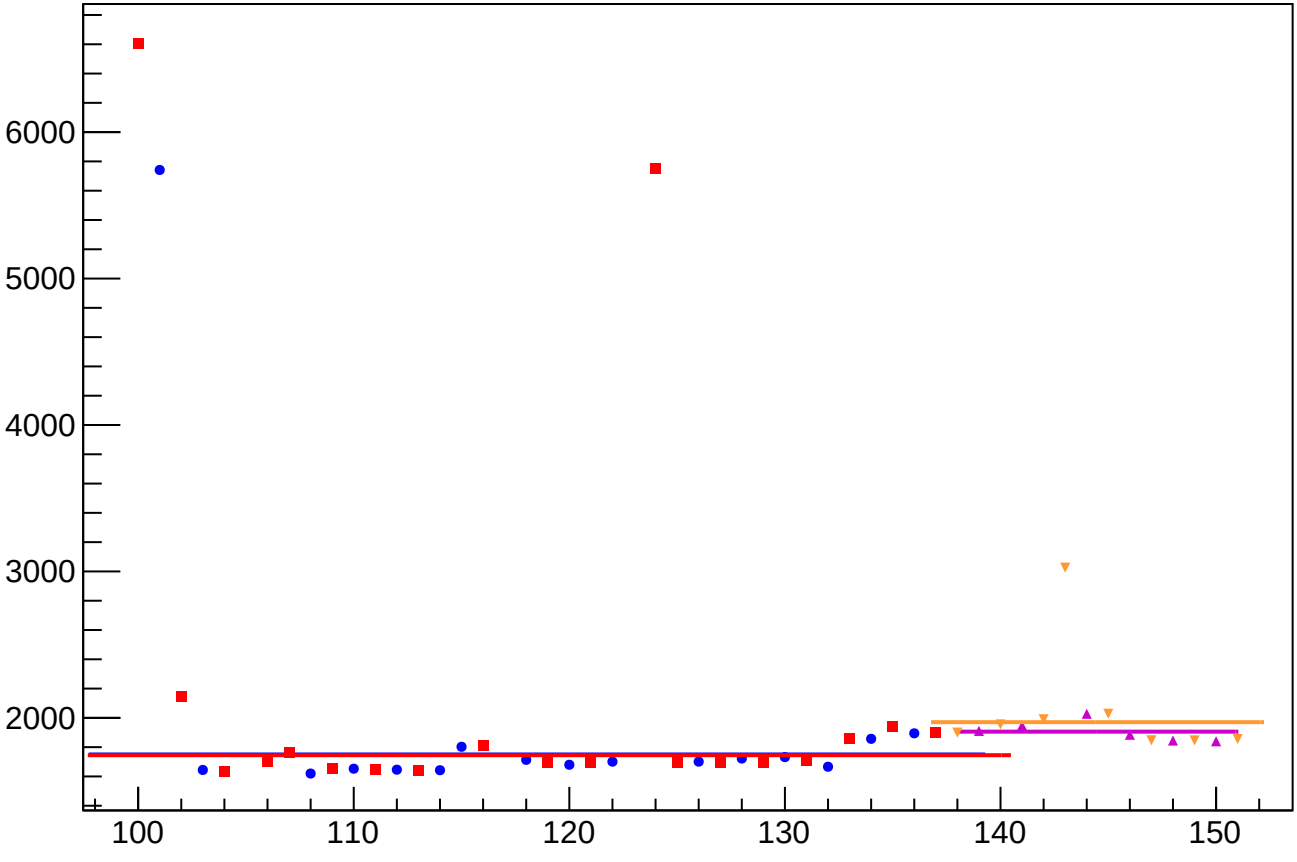
Left In: -102.569+/-830.515 χ^2/NDF:7.7/5

+ sign 235.212+/-511.932 χ^2/NDF: 26.4/23

All: 81.990+/-362.870 χ^2/NDF: 43.2/48

- sign -72.732+/-514.429 χ^2/NDF: 16.6/24

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1970.619+/-0.565 χ^2/NDF:223760.3/7

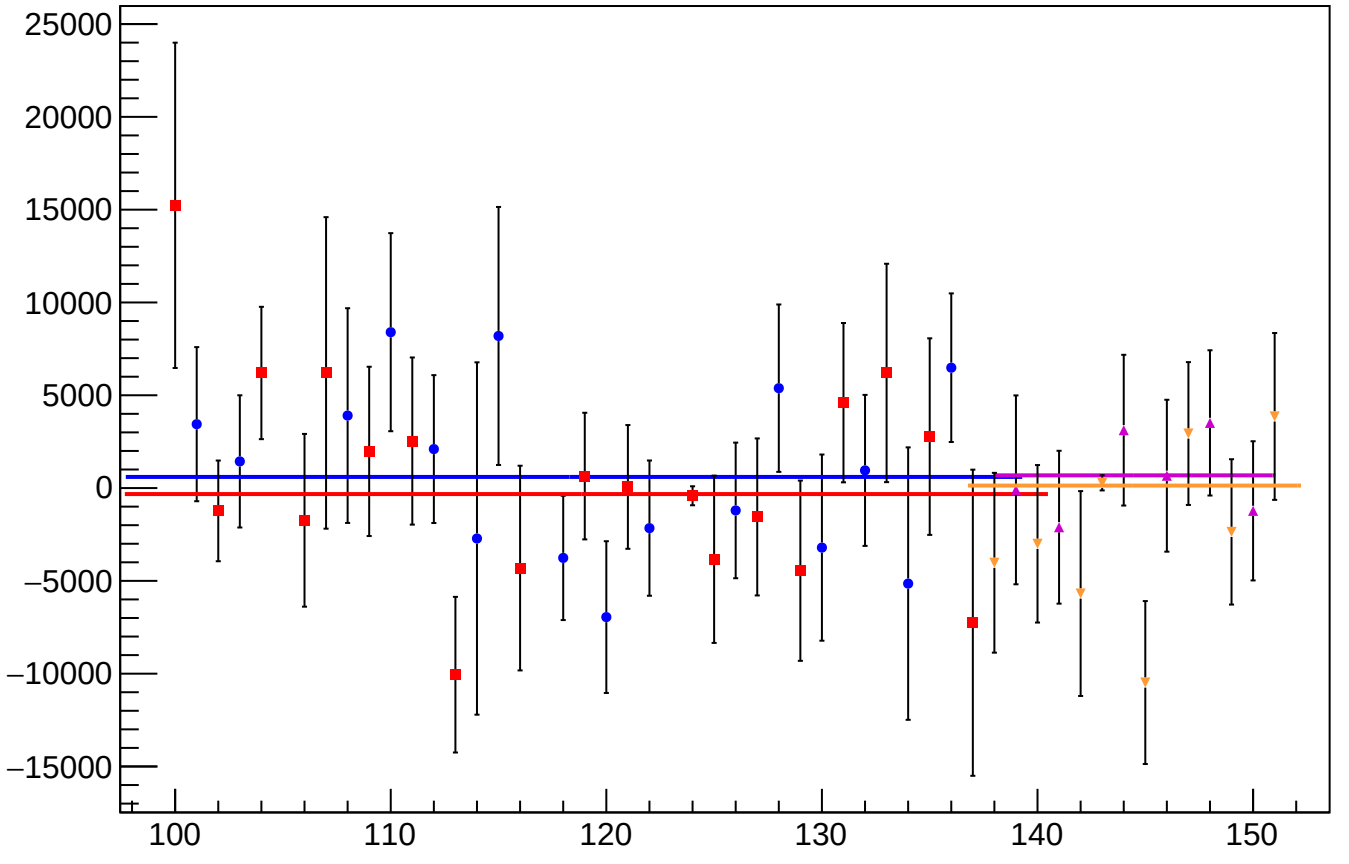
Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1905.850+/-0.587 χ^2/NDF:11678.4/5

+ sign 1840.588+/-0.362 χ^2/NDF: 983363.7/23

All: 1823.610+/-0.256 χ^2/NDF: 1343693.7/48

- sign 1806.545+/-0.363 χ^2/NDF: 355918.9/24



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 134.464+/-397.173 χ^2/NDF:10.0/7

Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

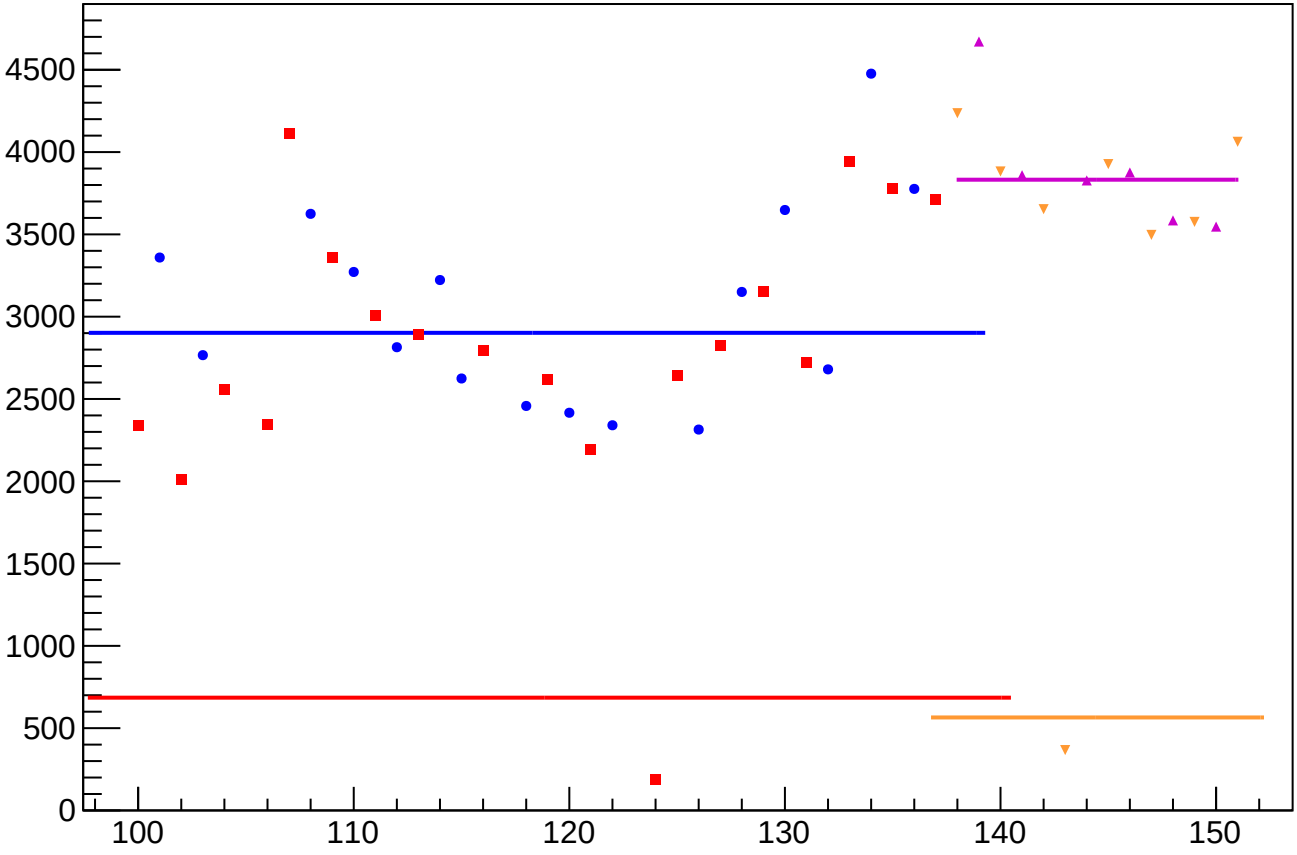
Left In: 685.326+/-1679.860 χ^2/NDF:1.6/5

\+ sign 188.168+/-373.573 χ^2/NDF: 25.0/23

All: 4.594+/-285.490 χ^2/NDF: 46.6/48

\- sign -253.141+/-442.646 χ^2/NDF: 21.0/24

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 565.034+/-0.281 χ^2/NDF:8195274.7/7

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

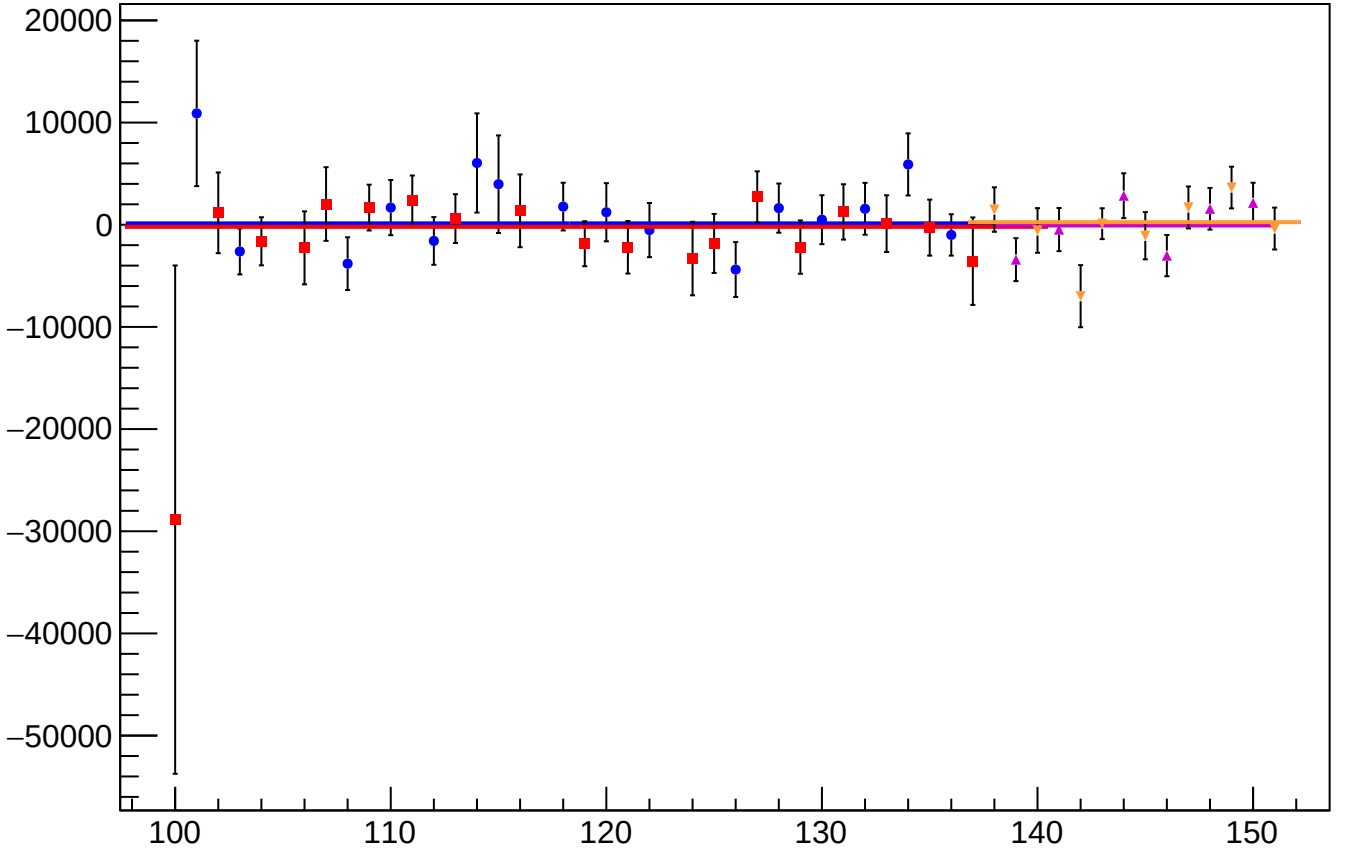
Left In: 3832.196+/-1.188 χ^2/NDF:74288.6/5

+ sign 834.493+/-0.264 χ^2/NDF: 16659647.2/23

All: 863.306+/-0.202 χ^2/NDF: 33399766.0/48

- sign 903.759+/-0.313 χ^2/NDF: 16711517.8/24

dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: 251.465+/-731.351 χ^2/NDF:9.8/7

Right Out: -205.424+/-654.444 χ^2/NDF: 9.7/18

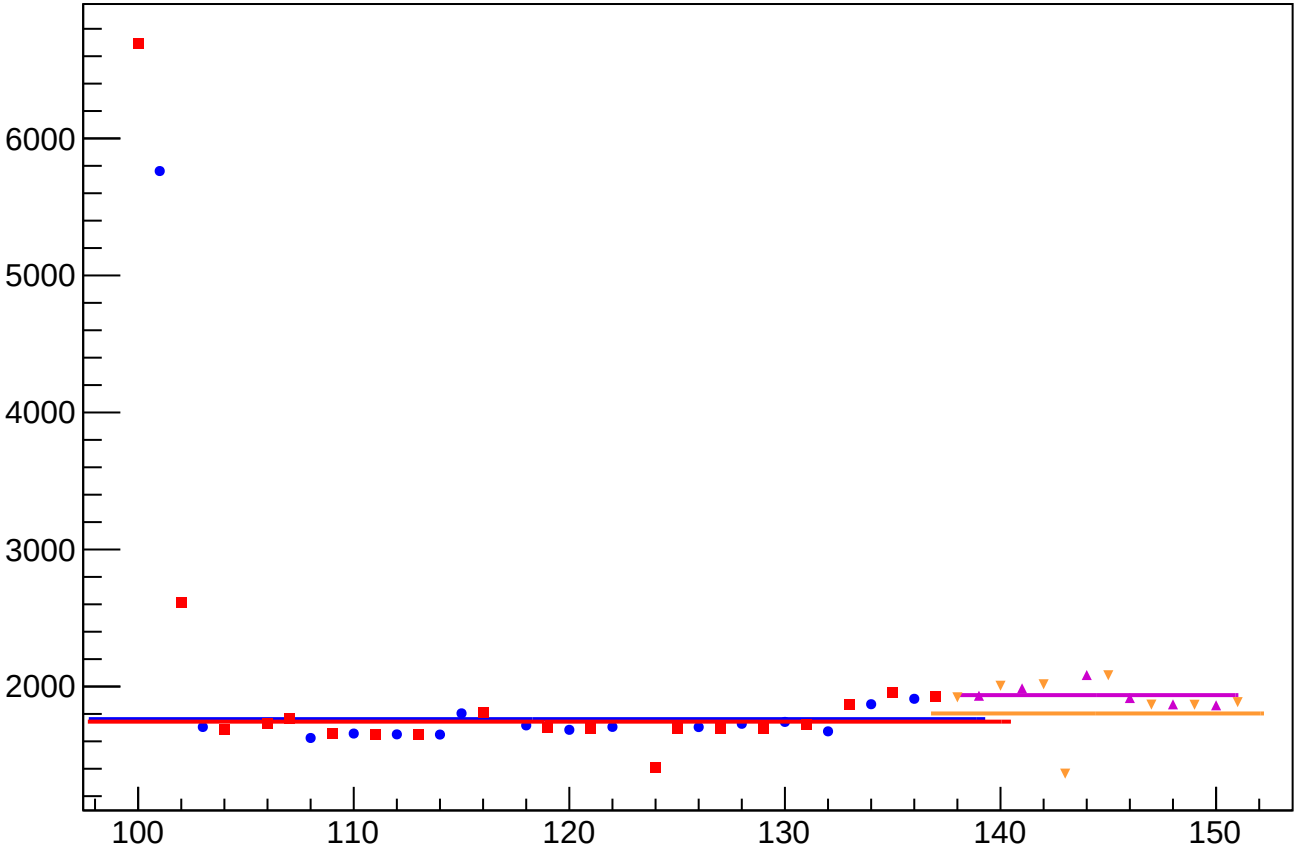
Left In: -73.152+/-844.414 χ^2/NDF:8.4/5

+ sign 187.653+/-494.678 χ^2/NDF: 27.1/23

All: 23.598+/-357.512 χ^2/NDF: 45.4/48

- sign -155.787+/-517.276 χ^2/NDF: 18.1/24

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1803.436+/-0.517 χ^2/NDF:238244.5/7

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

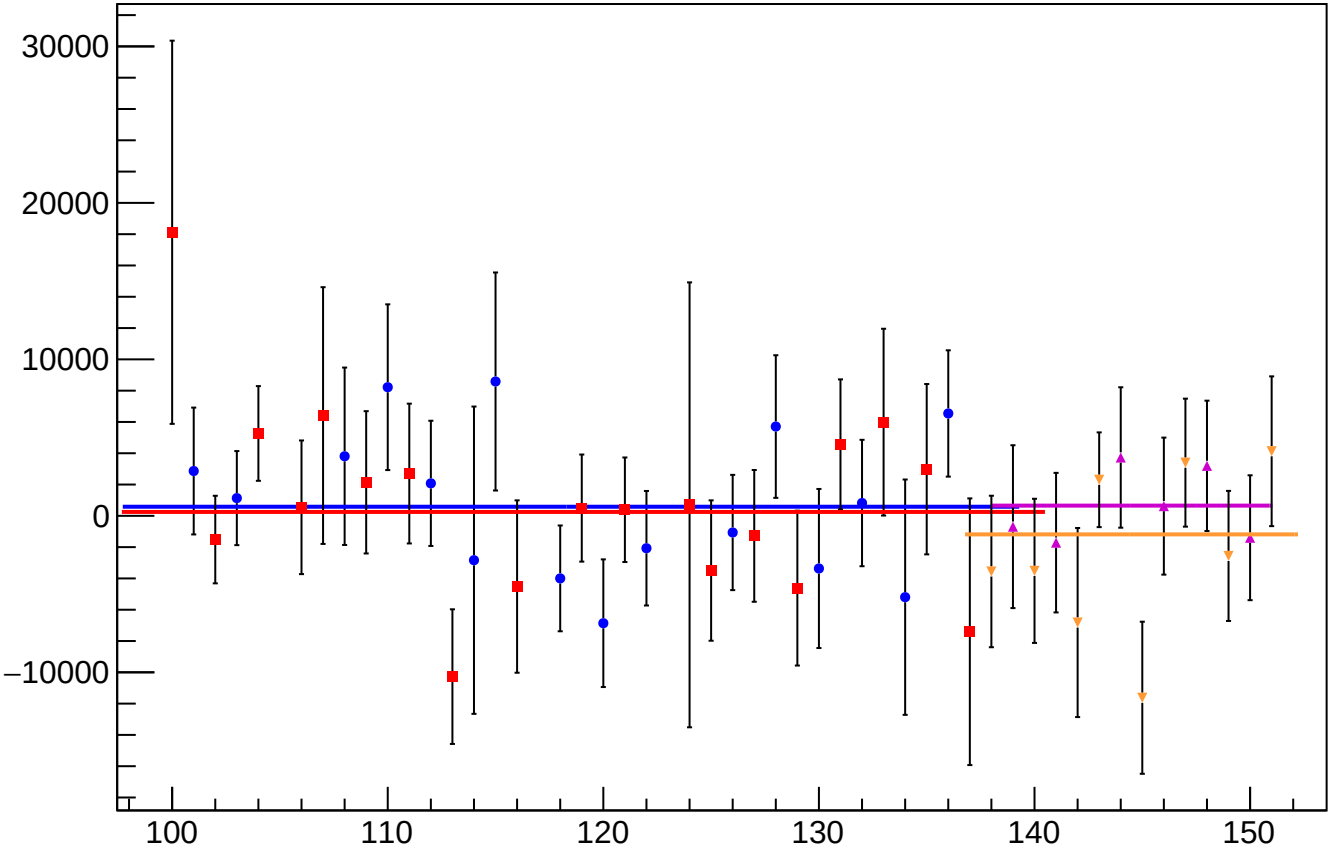
Left In: 1937.309+/-0.597 χ^2/NDF:15254.0/5

+ sign 1780.985+/-0.350 χ^2/NDF: 909415.3/23

All: 1797.794+/-0.253 χ^2/NDF: 1223067.6/48

- sign 1816.107+/-0.365 χ^2/NDF: 308827.5/24

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

Left Out: -1185.216+/-1524.940 χ^2/NDF:9.9/7

Right Out: 250.224+/-1021.012 χ^2/NDF: 17.9/18

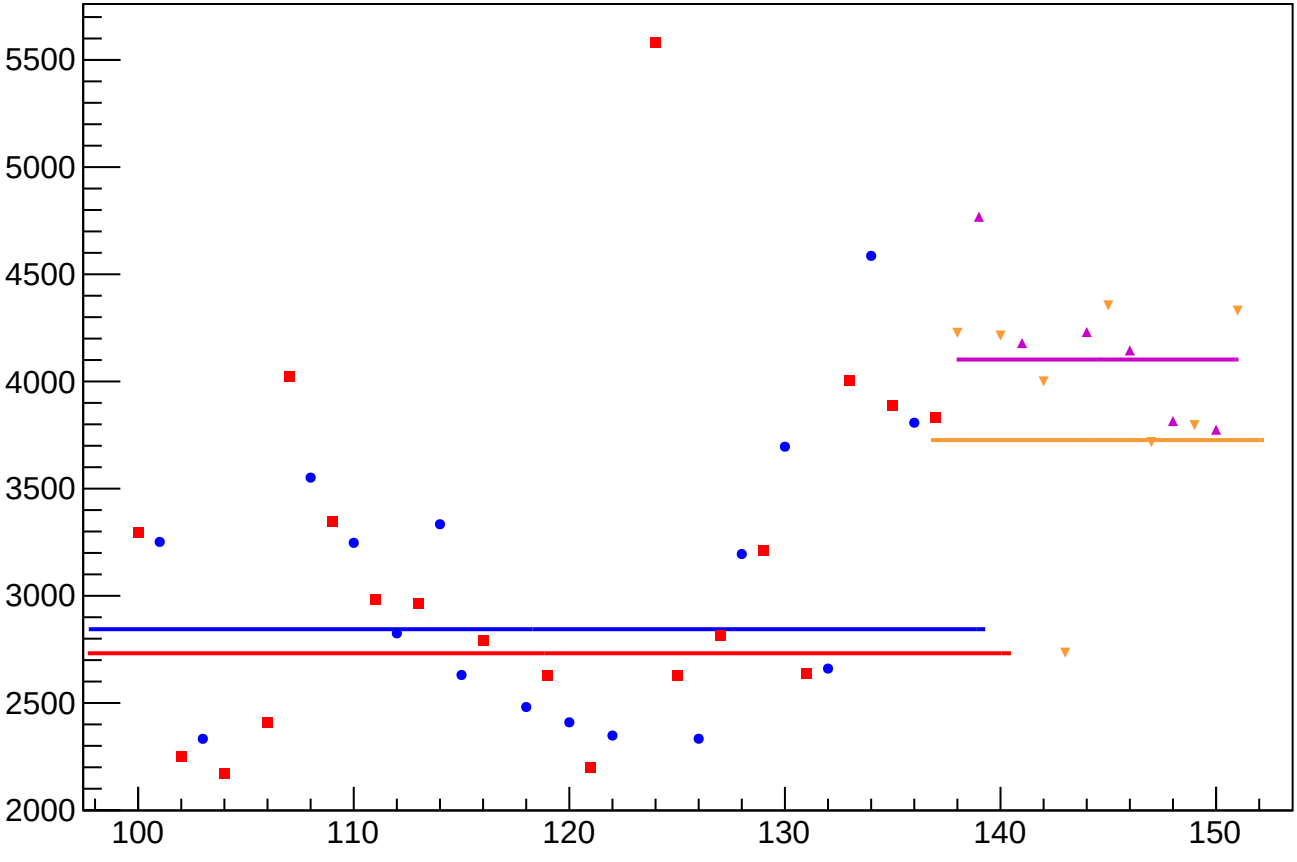
Left In: 653.372+/-1797.549 χ^2/NDF:1.5/5

\+ sign -9.243+/-882.156 χ^2/NDF: 25.7/23

All: 168.521+/-625.762 χ^2/NDF: 45.2/48

\- sign 348.564+/-887.794 χ^2/NDF: 19.4/24

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 3726.499+/-1.078 χ^2/NDF:328486.0/7

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

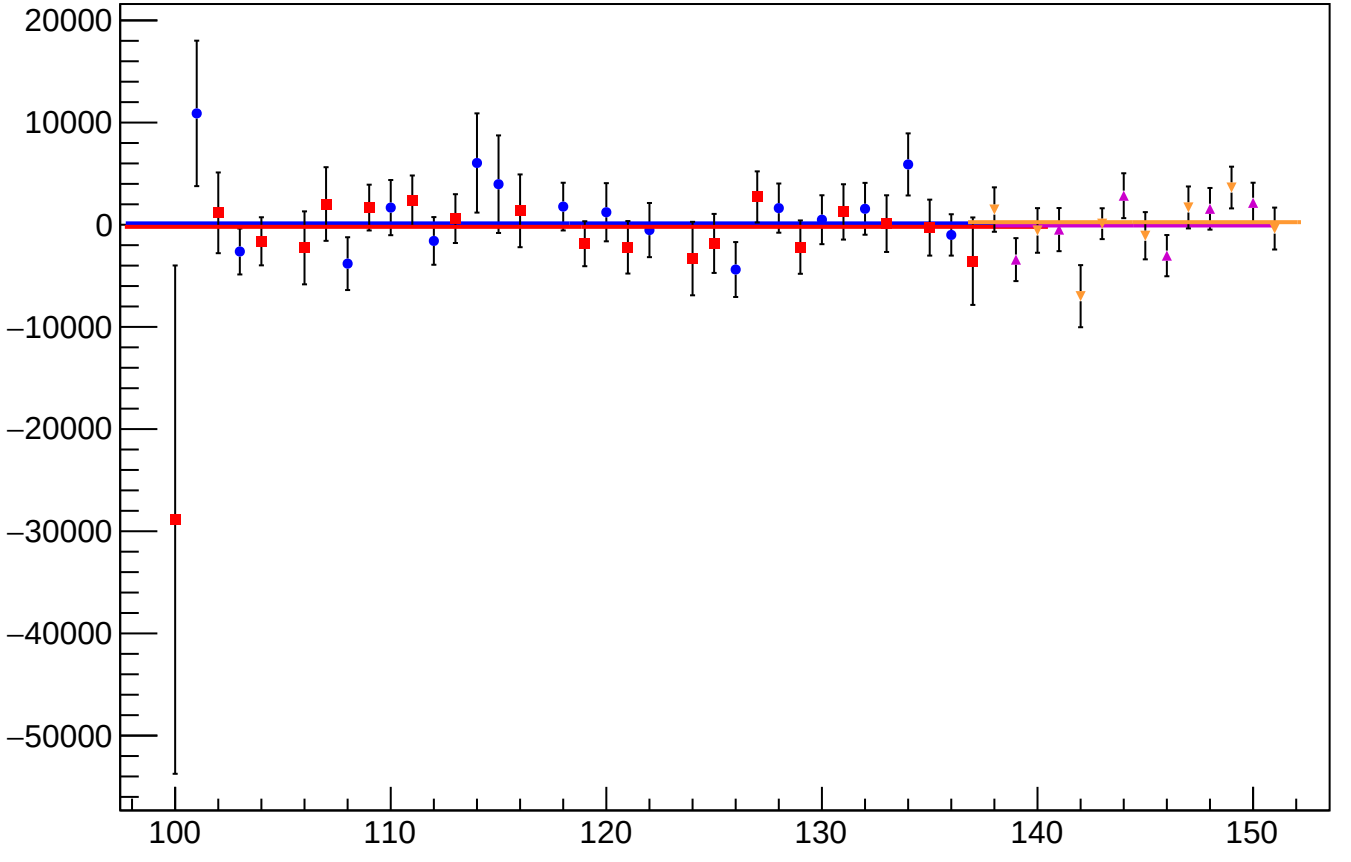
Left In: 4102.315+/-1.271 χ^2/NDF:58143.3/5

+ sign 3139.426+/-0.624 χ^2/NDF: 1316026.4/23

All: 3103.067+/-0.442 χ^2/NDF: 2871075.8/48

- sign 3066.243+/-0.628 χ^2/NDF: 1548211.0/24

eigen_dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: 251.459+/-731.351 χ^2/NDF:9.8/7

Right Out: -205.422+/-654.444 χ^2/NDF: 9.7/18

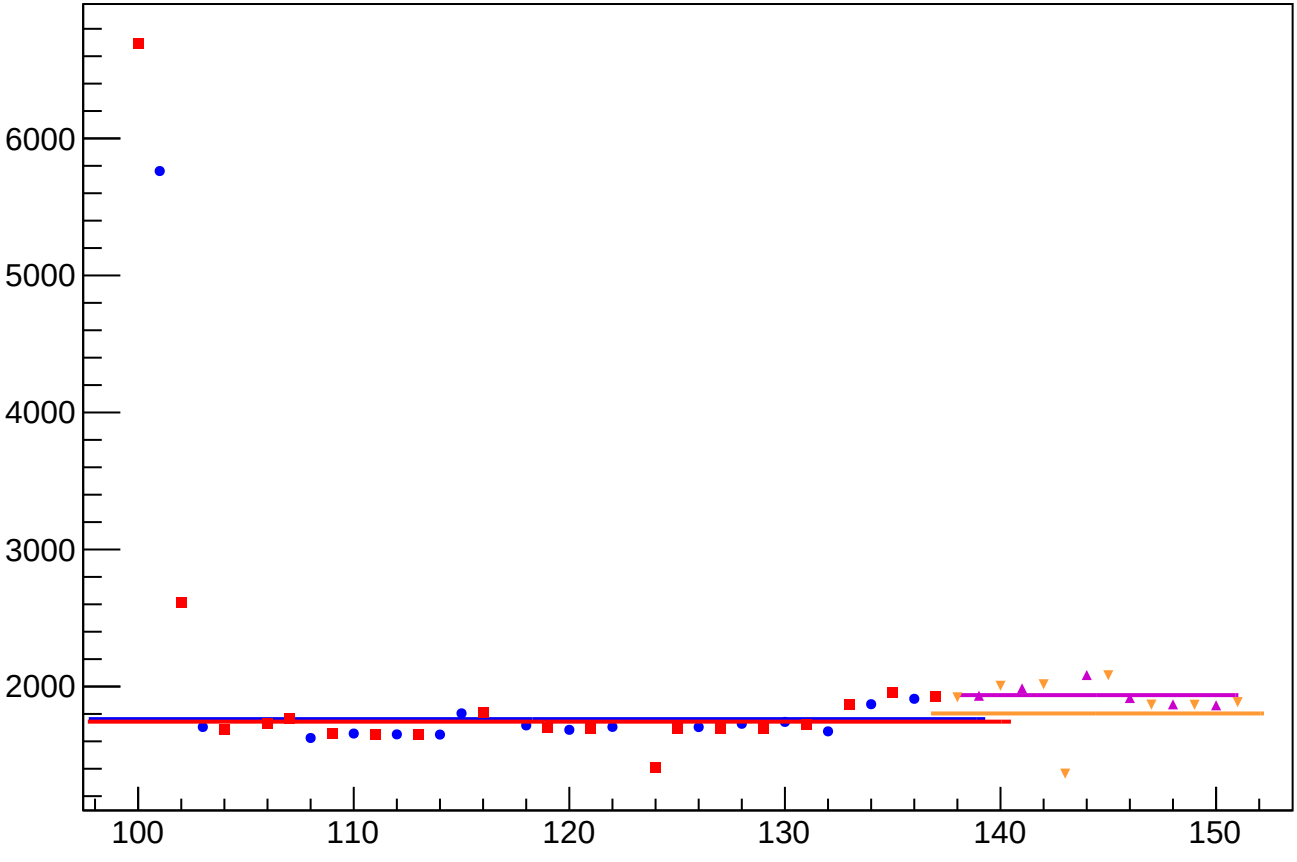
Left In: -73.148+/-844.414 χ^2/NDF:8.4/5

+ sign 187.649+/-494.678 χ^2/NDF: 27.1/23

All: 23.597+/-357.512 χ^2/NDF: 45.4/48

- sign -155.785+/-517.276 χ^2/NDF: 18.1/24

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1803.437+/-0.517 χ^2/NDF:238245.4/7

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

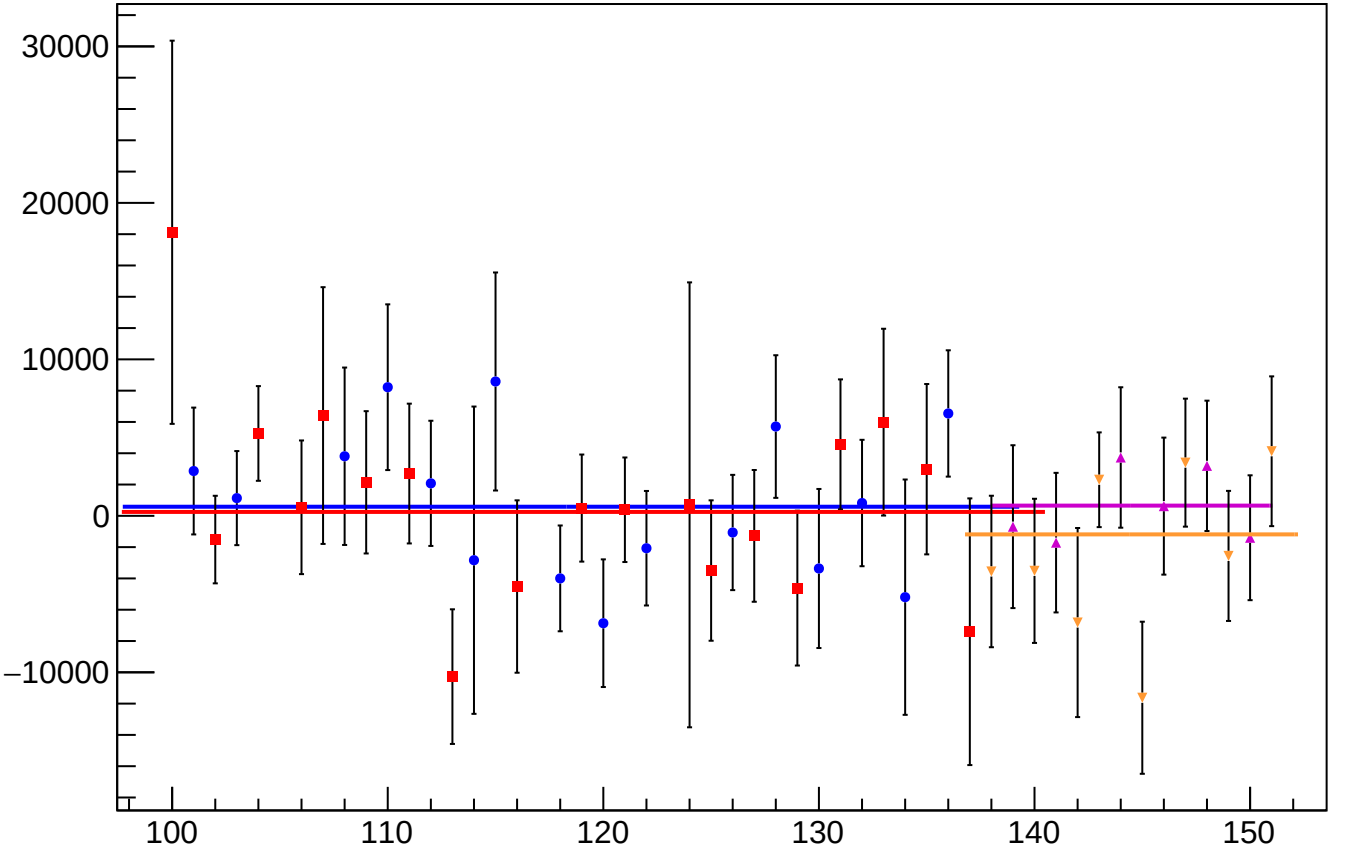
Left In: 1937.309+/-0.597 χ^2/NDF:15254.2/5

+ sign 1780.986+/-0.350 χ^2/NDF: 909416.2/23

All: 1797.794+/-0.253 χ^2/NDF: 1223069.2/48

- sign 1816.107+/-0.365 χ^2/NDF: 308828.2/24

asym_atr1l2_dd_eigen_dit_correction_mean vs Slug



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: -1185.213+/-1524.942 χ^2/NDF:9.9/7

Right Out: 250.225+/-1021.010 χ^2/NDF: 17.9/18

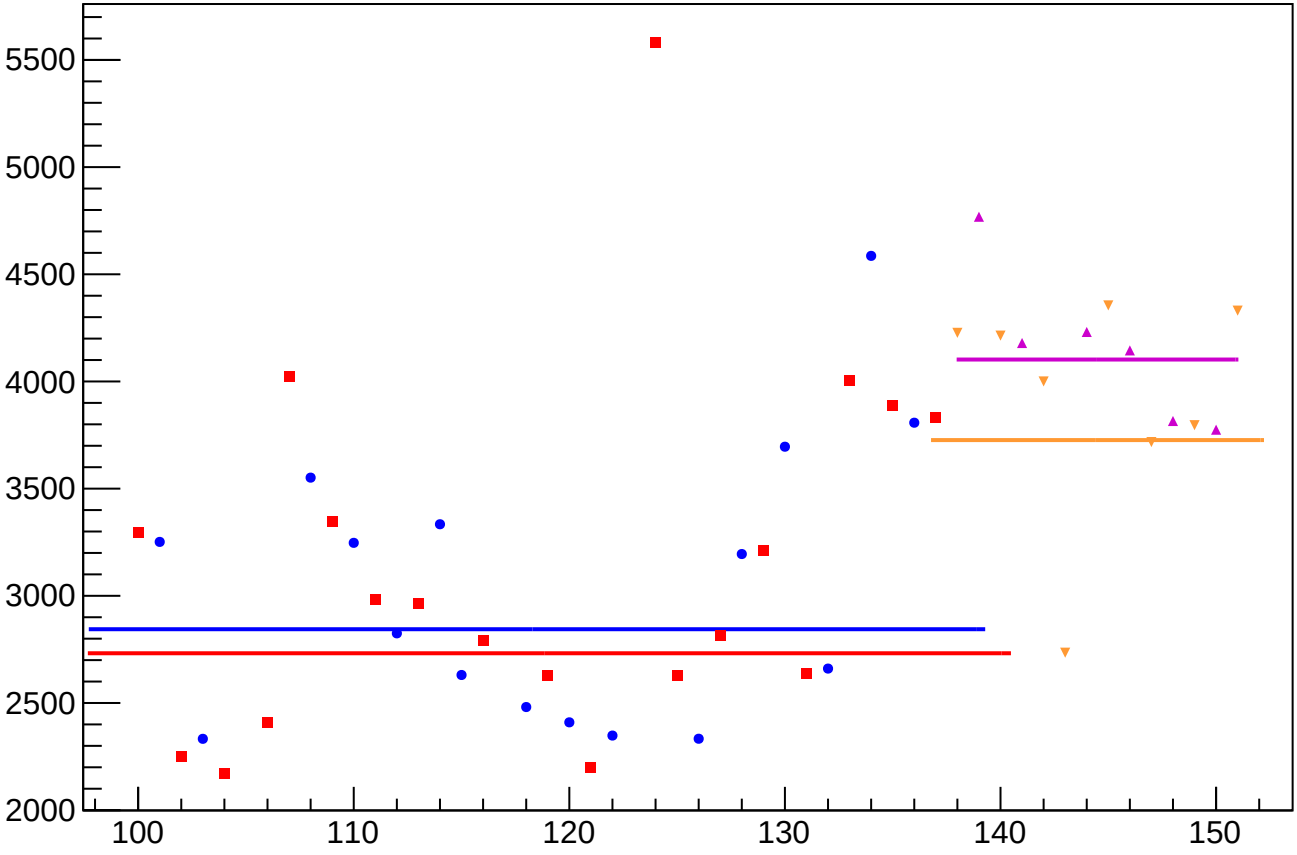
Left In: 653.373+/-1797.551 χ^2/NDF:1.5/5

\+ sign -9.242+/-882.155 χ^2/NDF: 25.7/23

All: 168.521+/-625.762 χ^2/NDF: 45.2/48

\- sign 348.564+/-887.793 χ^2/NDF: 19.4/24

asym_atr1l2_dd_eigen_dit_correction_rms vs Slug



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 3726.502+/-1.078 χ^2/NDF:328489.4/7

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

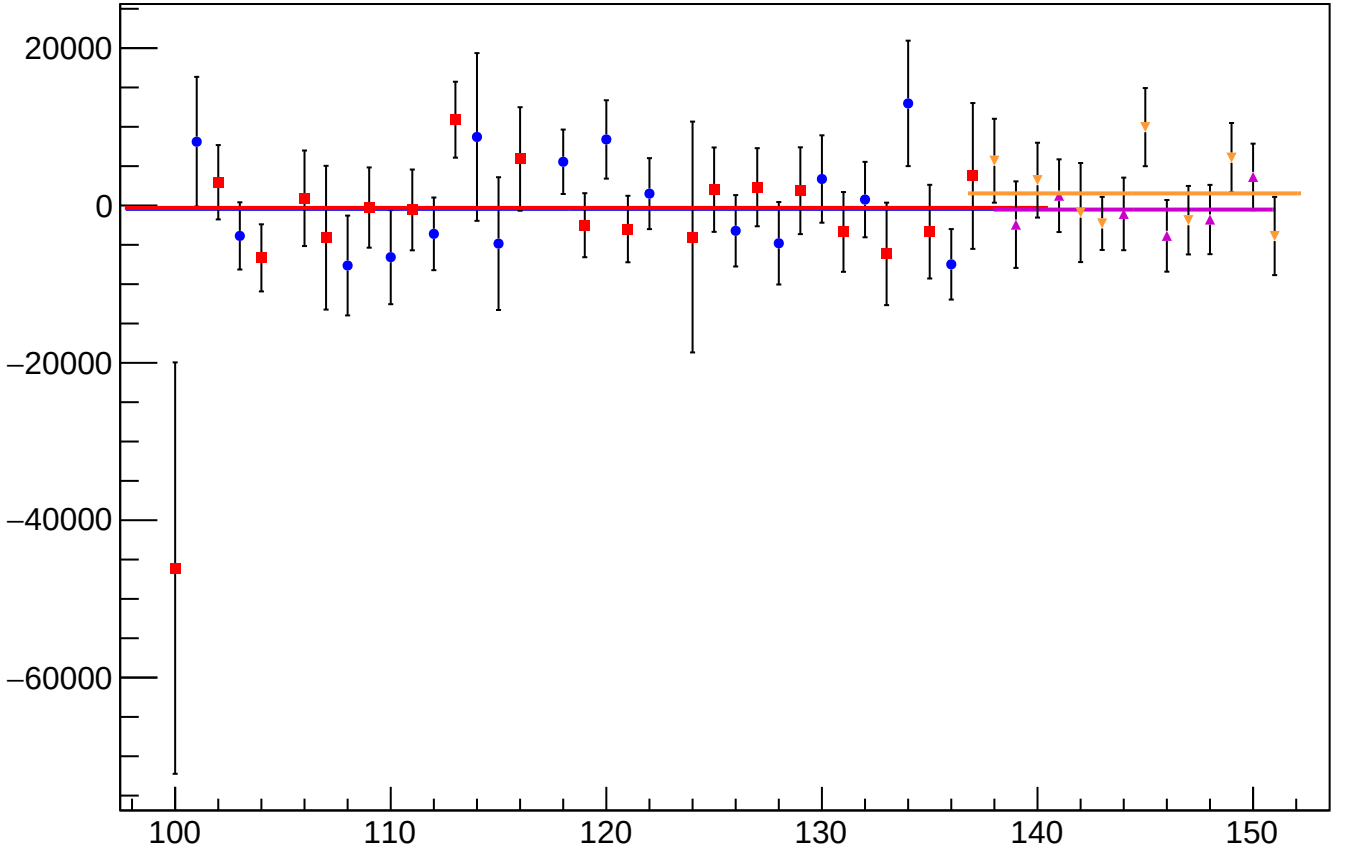
Left In: 4102.320+/-1.271 χ^2/NDF:58145.3/5

+ sign 3139.421+/-0.624 χ^2/NDF: 1316045.0/23

All: 3103.062+/-0.442 χ^2/NDF: 2871106.4/48

- sign 3066.238+/-0.628 χ^2/NDF: 1548223.1/24

asym_atr1l2_dd_mean vs Slug



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: 1538.778+/-1627.390 χ^2/NDF:7.9/7

Right Out: -307.823+/-1275.718 χ^2/NDF: 15.3/18

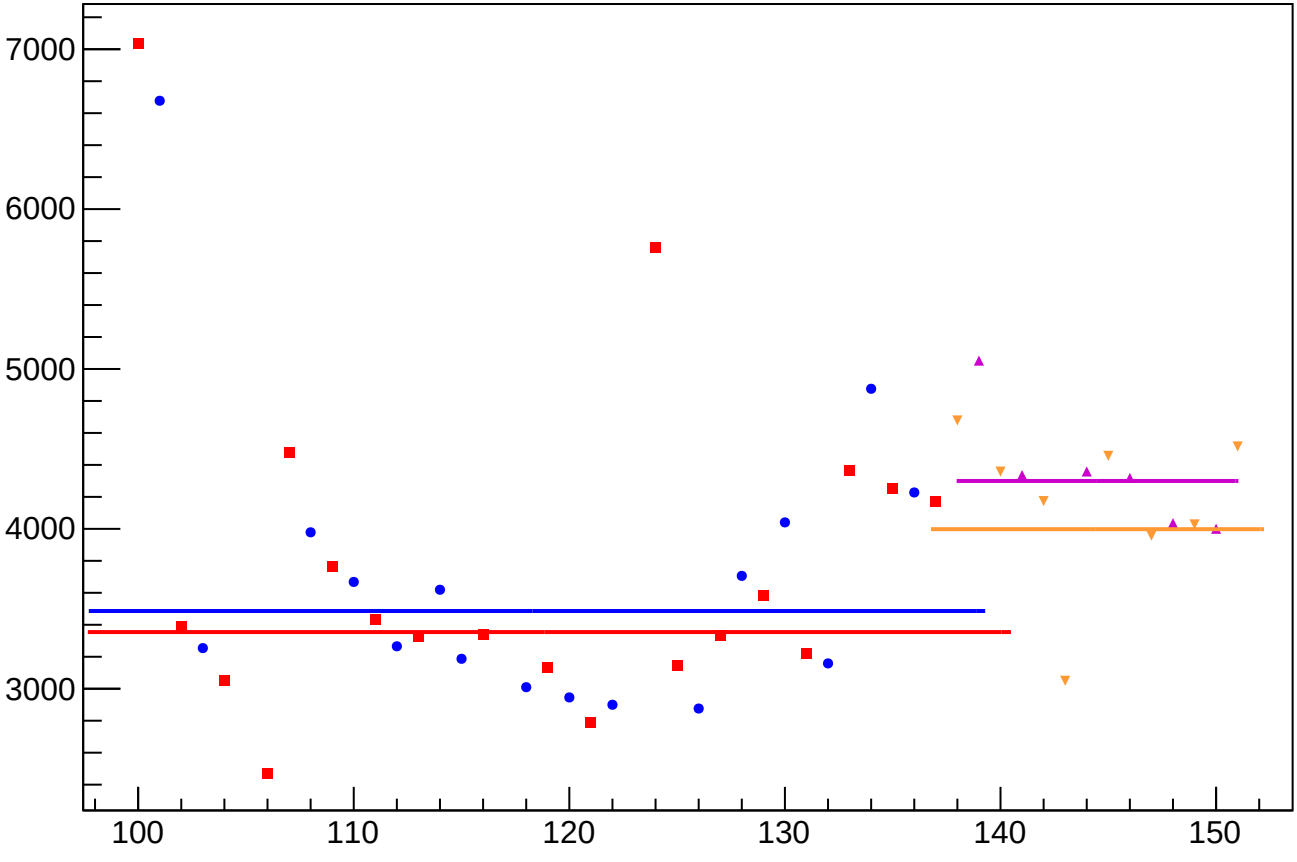
Left In: -519.788+/-1880.967 χ^2/NDF:1.9/5

+ sign 360.569+/-1028.554 χ^2/NDF: 26.7/23

All: 2.588+/-736.740 χ^2/NDF: 44.1/48

- sign -374.605+/-1055.796 χ^2/NDF: 17.1/24

asym_atr1l2_dd_rms vs Slug



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 3997.941+/-1.151 χ^2/NDF:242347.5/7

Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

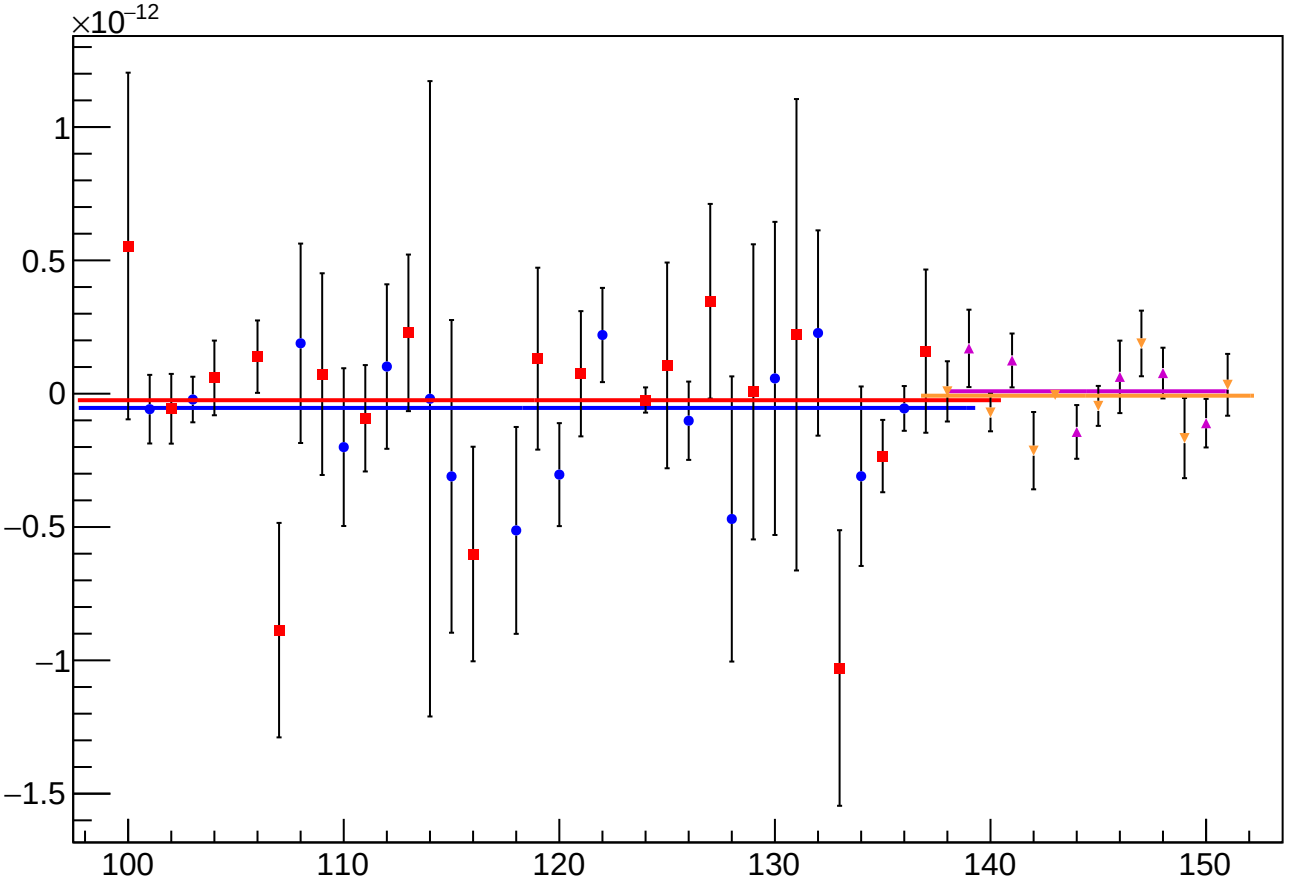
Left In: 4299.537+/-1.330 χ^2/NDF:55134.9/5

+ sign 3690.599+/-0.727 χ^2/NDF: 956919.4/23

All: 3668.912+/-0.518 χ^2/NDF: 1739178.7/48

- sign 3646.499+/-0.739 χ^2/NDF: 780451.3/24

asym_atr1l2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.9/7

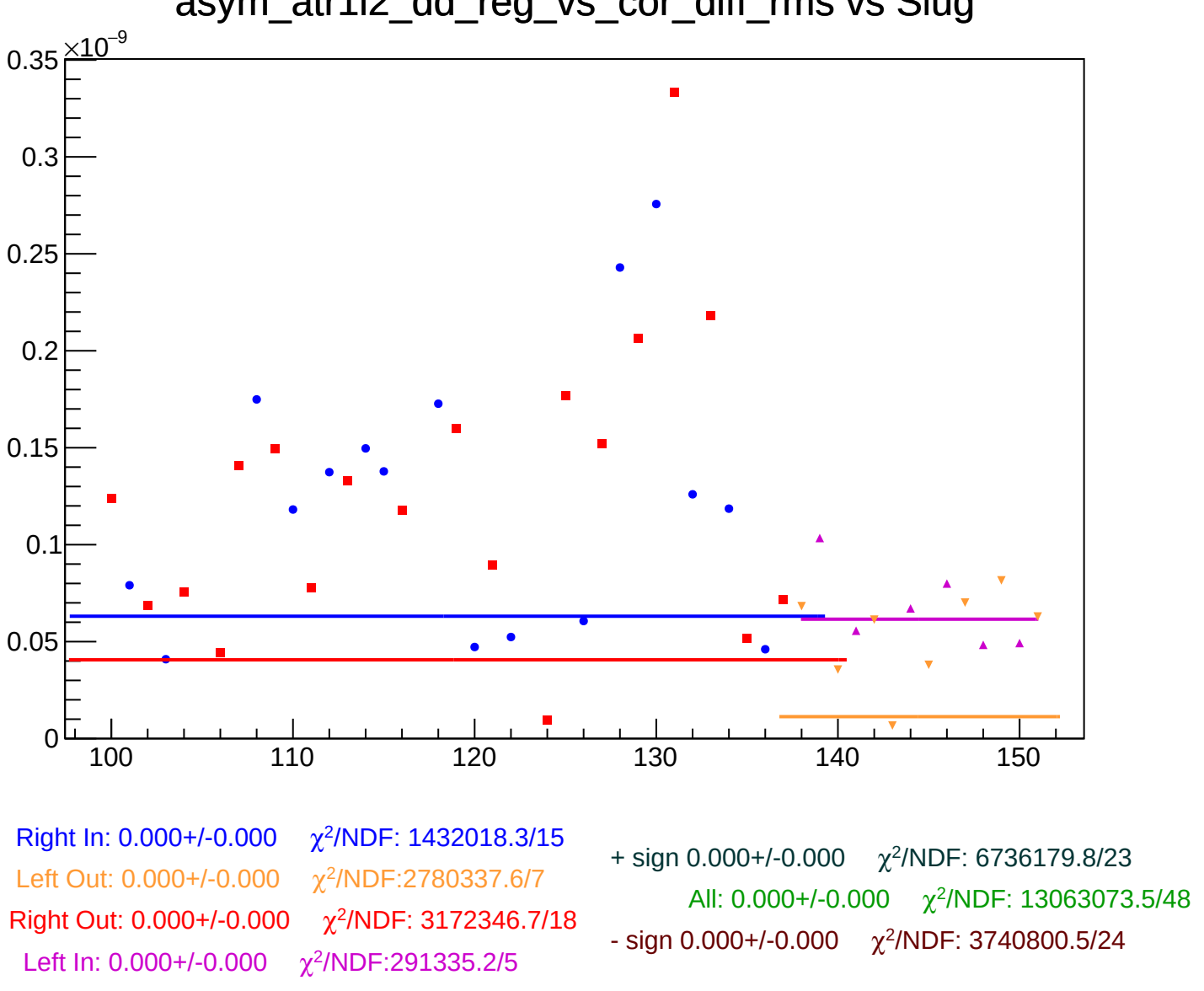
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:7.2/5

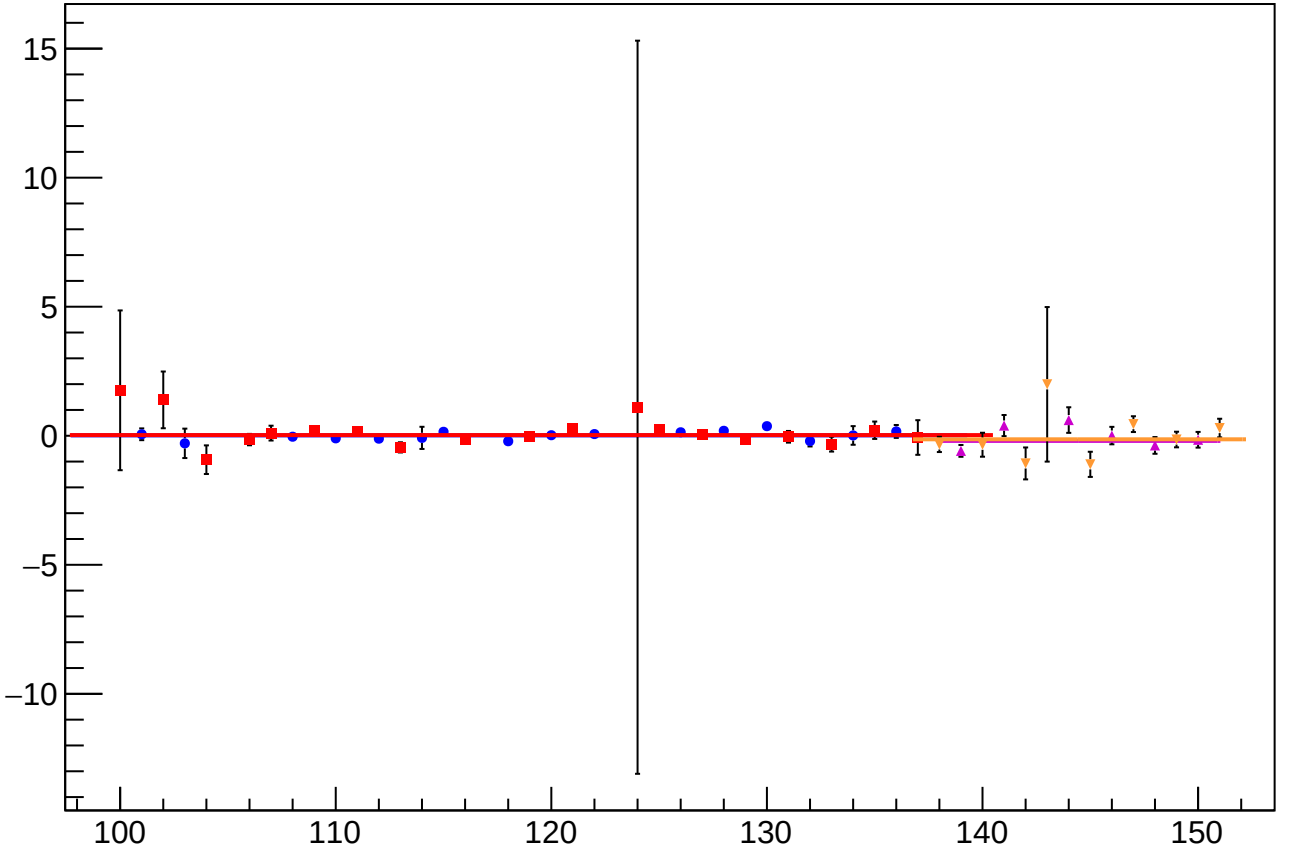
+ sign -0.000+/-0.000 χ^2/NDF: 16.5/23

All: -0.000+/-0.000 χ^2/NDF: 42.5/48

- sign -0.000+/-0.000 χ^2/NDF: 26.0/24


asym_atr1l2_dd_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
Right In: 0.000+/-0.000 χ²/NDF: 1432018.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2780337.6/7
Right Out: 0.000+/-0.000 χ²/NDF: 3172346.7/18
Left In: 0.000+/-0.000 χ²/NDF:291335.2/5
+ sign 0.000+/-0.000 χ²/NDF: 6736179.8/23
All: 0.000+/-0.000 χ²/NDF: 13063073.5/48
- sign 0.000+/-0.000 χ²/NDF: 3740800.5/24

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.138+/-0.138 χ^2/NDF:12.6/7

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

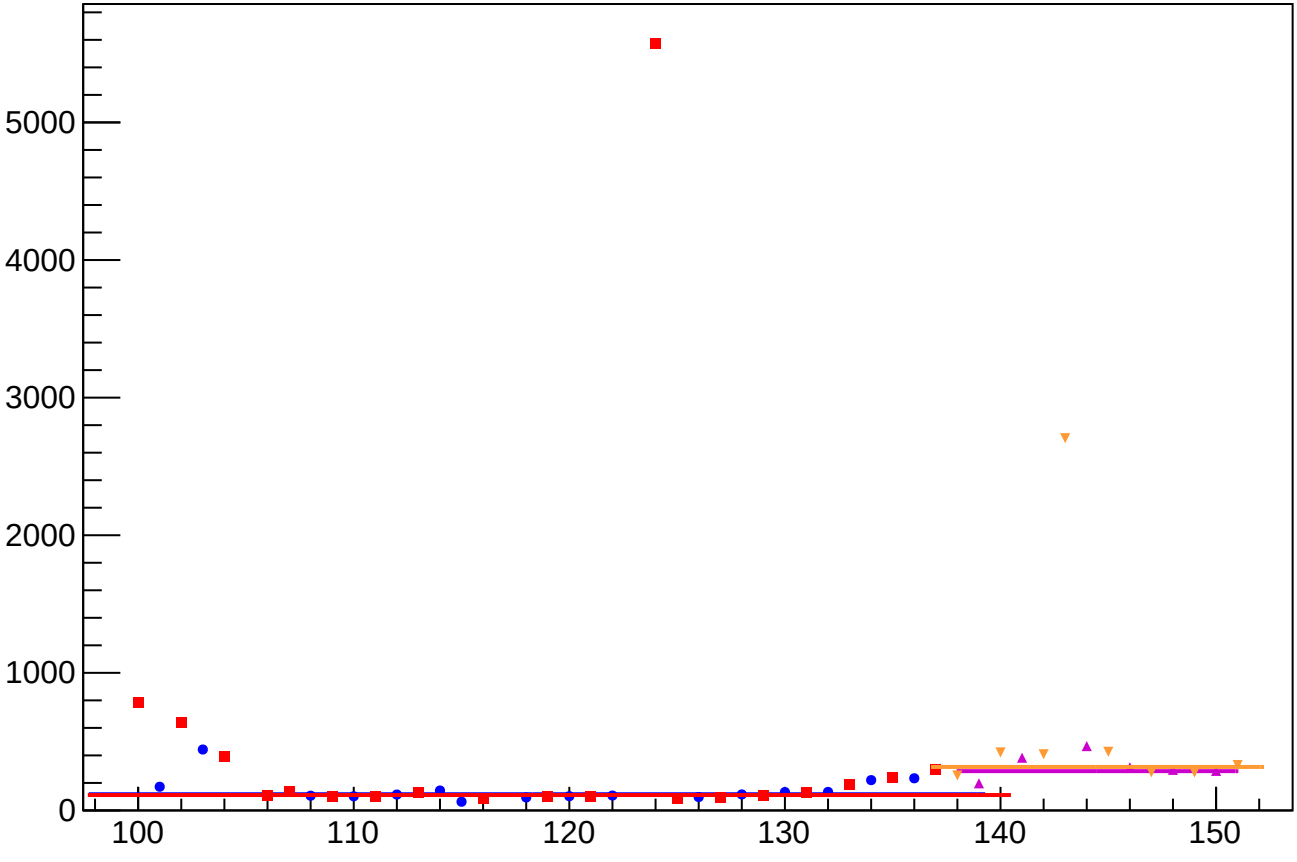
Left In: -0.198+/-0.131 χ^2/NDF:8.3/5

+ sign -0.001+/-0.045 χ^2/NDF: 25.5/23

All: -0.000+/-0.032 χ^2/NDF: 58.4/48

- sign 0.000+/-0.044 χ^2/NDF: 33.0/24

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 316.204+/-0.098 χ^2/NDF:1681902.2/7

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

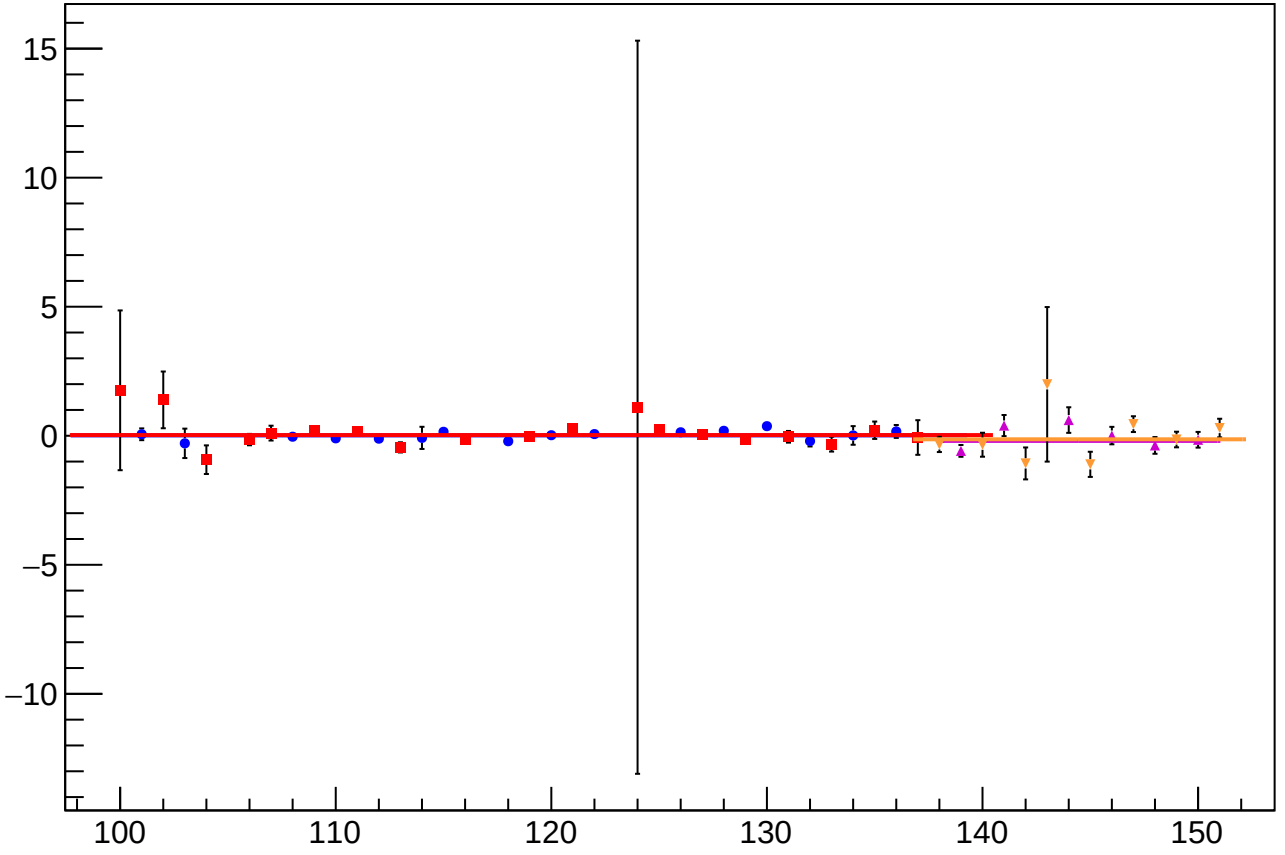
Left In: 285.666+/-0.093 χ^2/NDF:698049.2/5

+ sign 138.942+/-0.032 χ^2/NDF: 7090525.4/23

All: 135.267+/-0.022 χ^2/NDF: 13109278.2/48

- sign 131.776+/-0.031 χ^2/NDF: 5993041.7/24

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: -0.138+/-0.138 χ^2/NDF:12.6/7

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

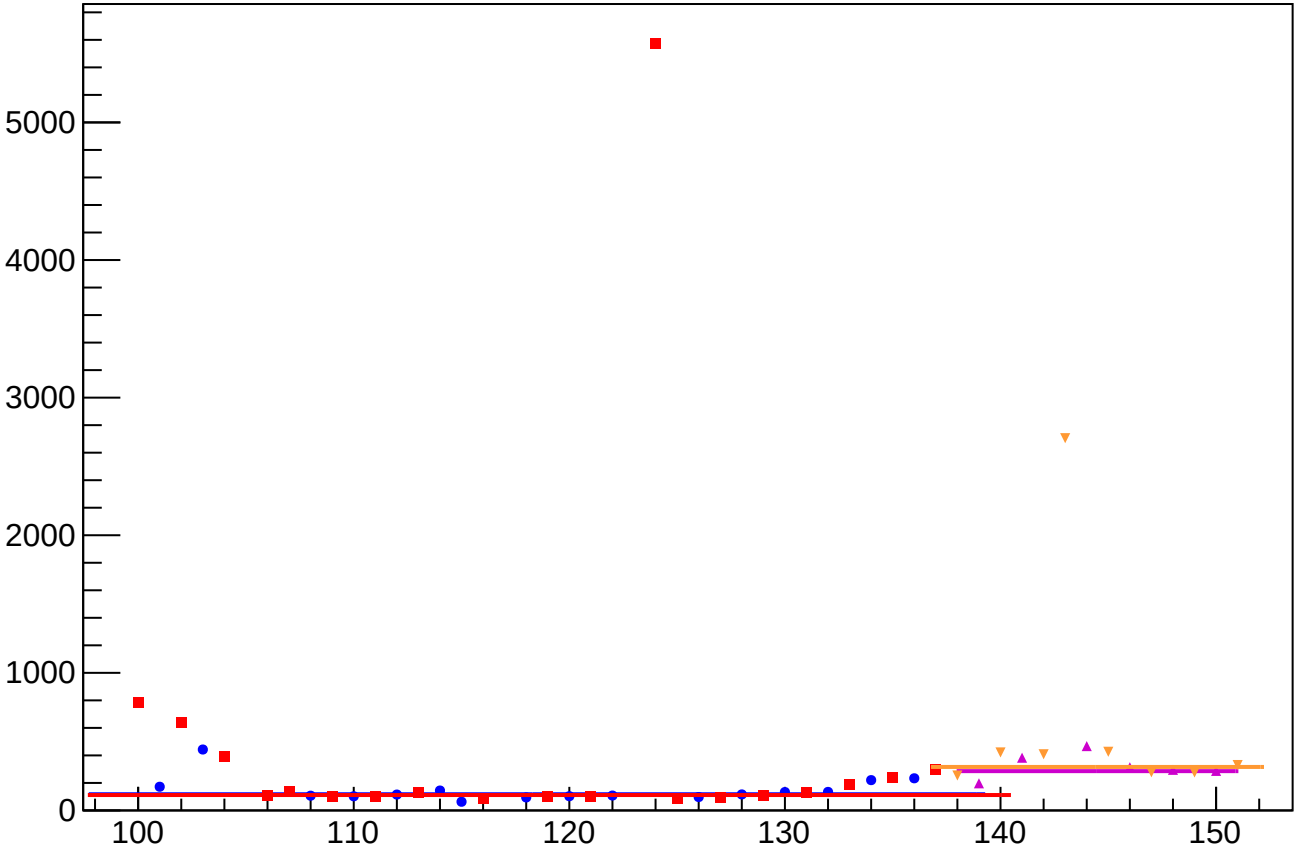
Left In: -0.198+/-0.131 χ^2/NDF:8.3/5

+ sign -0.001+/-0.045 χ^2/NDF: 25.5/23

All: -0.000+/-0.032 χ^2/NDF: 58.4/48

- sign 0.000+/-0.044 χ^2/NDF: 33.0/24

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: 316.204+/-0.098 χ^2/NDF:1681902.2/7

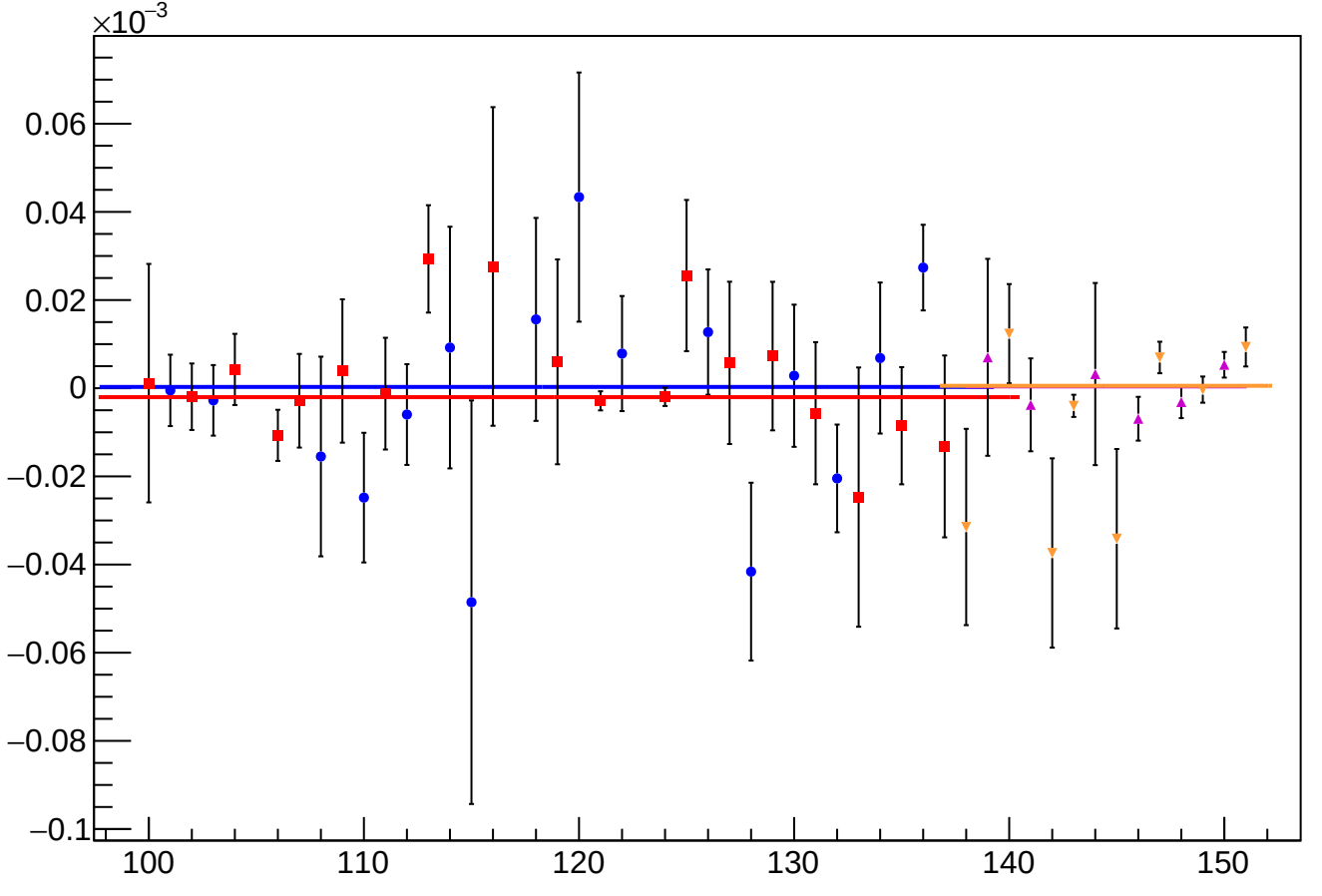
Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 285.666+/-0.093 χ^2/NDF:698049.2/5

+ sign 138.942+/-0.032 χ^2/NDF: 7090525.4/23

All: 135.267+/-0.022 χ^2/NDF: 13109278.2/48

- sign 131.776+/-0.031 χ^2/NDF: 5993041.7/24



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/7

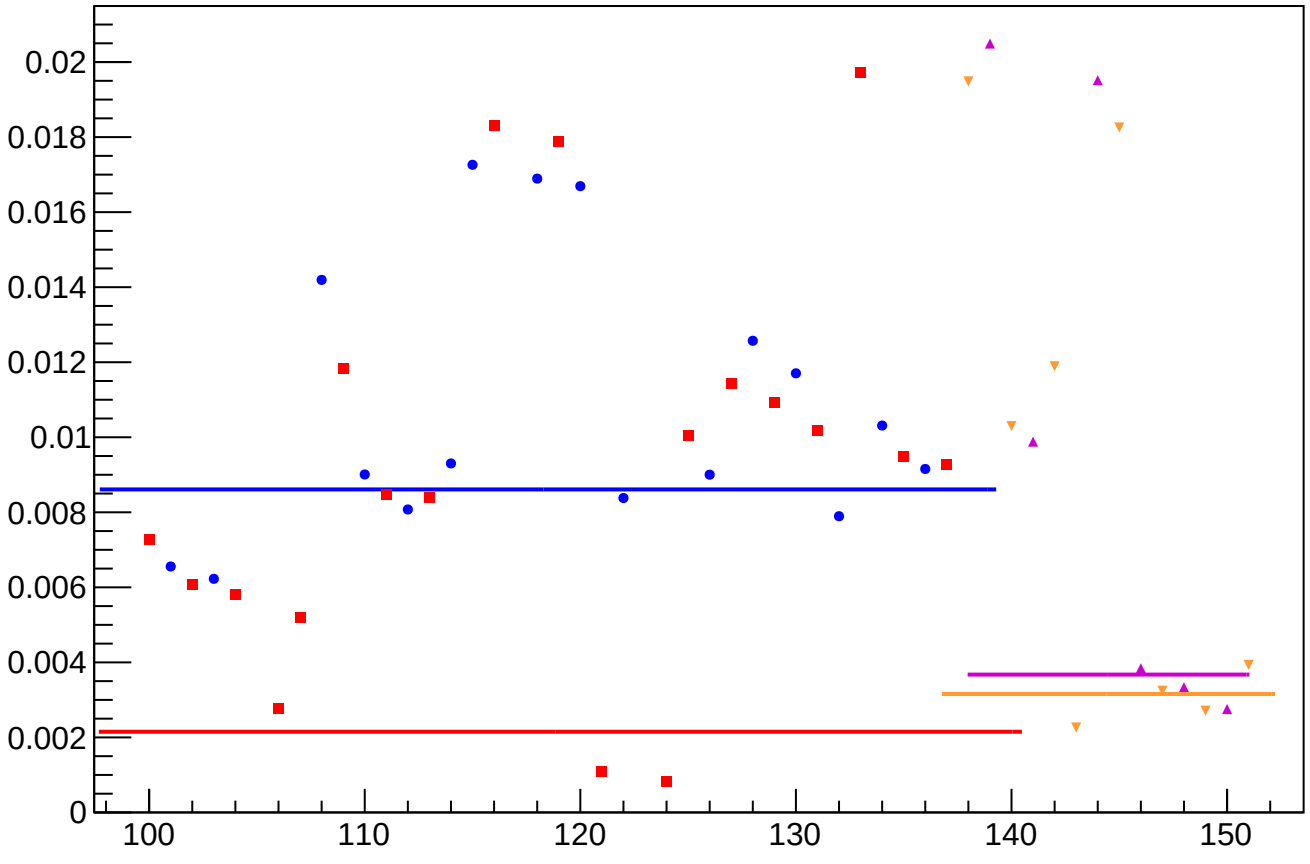
Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:6.2/5

+ sign 0.000+/-0.000 χ^2/NDF: 43.8/23

All: -0.000+/-0.000 χ^2/NDF: 66.9/48

- sign -0.000+/-0.000 χ^2/NDF: 22.1/24



Right In: 0.009+/-0.000 χ^2/NDF: 1114251.2/15

Left Out: 0.003+/-0.000 χ^2/NDF:3670269.0/7

Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

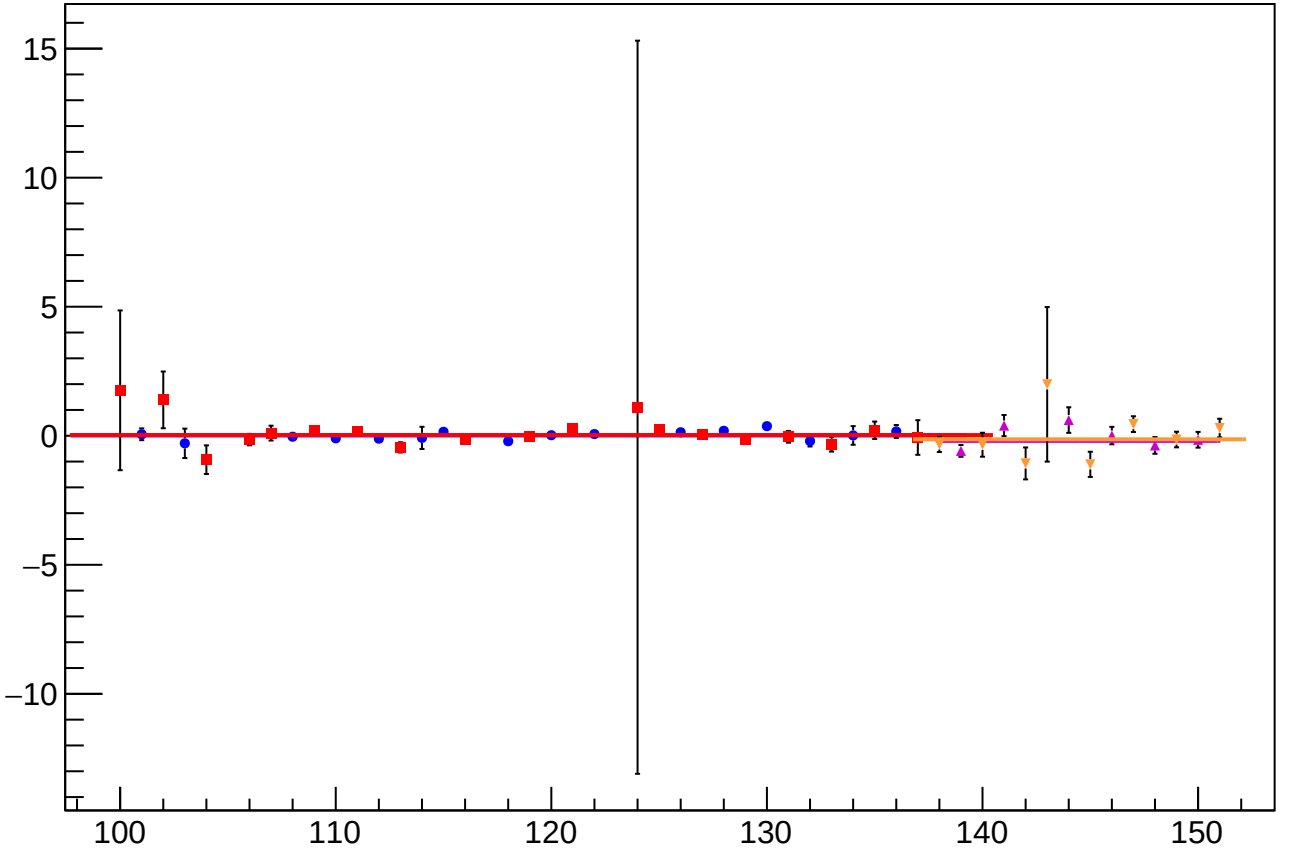
Left In: 0.004+/-0.000 χ^2/NDF:3222416.0/5

+ sign 0.004+/-0.000 χ^2/NDF: 9096077.9/23

All: 0.003+/-0.000 χ^2/NDF: 23576582.4/48

- sign 0.003+/-0.000 χ^2/NDF: 13103515.7/24

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: -0.138+/-0.138 χ^2/NDF:12.6/7

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

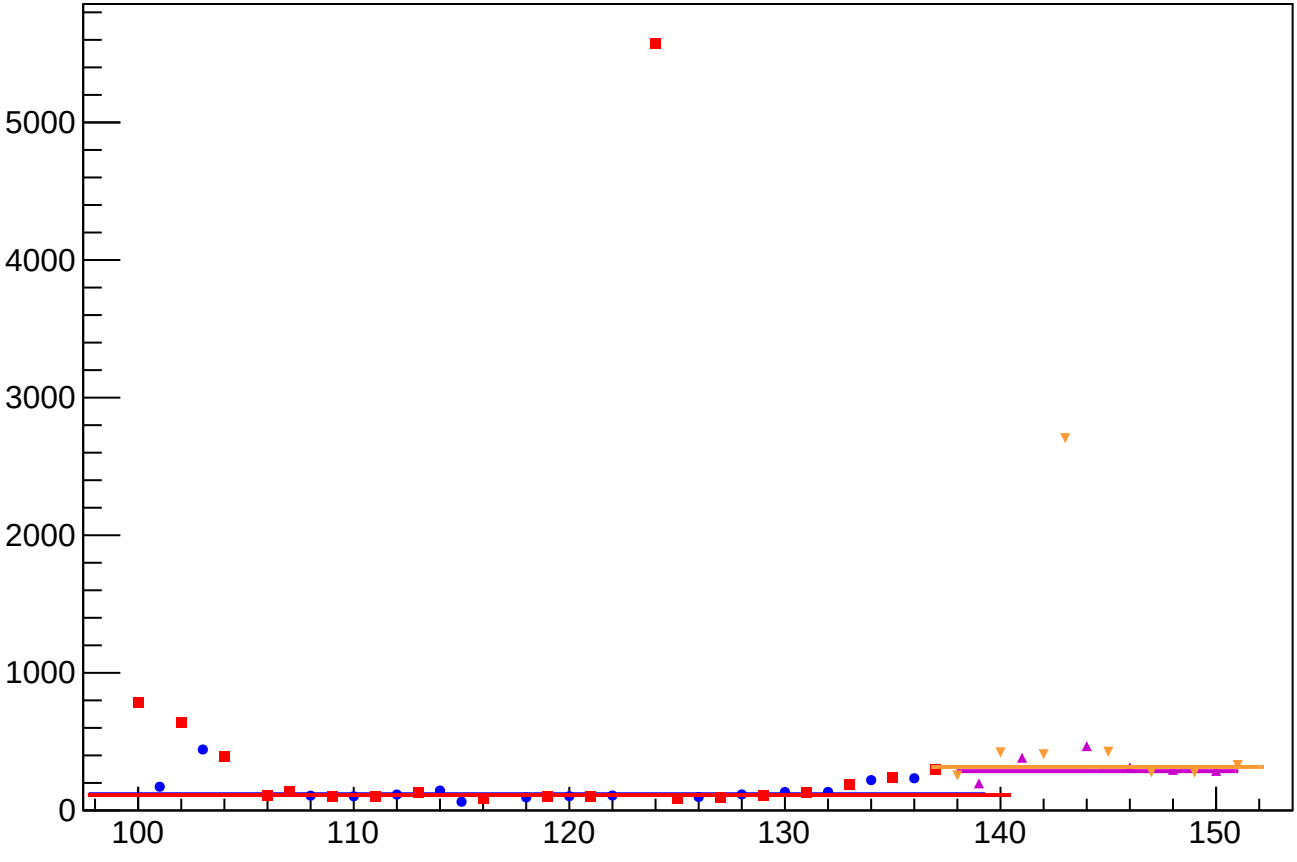
Left In: -0.198+/-0.131 χ^2/NDF:8.3/5

+ sign -0.001+/-0.045 χ^2/NDF: 25.5/23

All: -0.000+/-0.032 χ^2/NDF: 58.4/48

- sign 0.000+/-0.044 χ^2/NDF: 33.0/24

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: 316.206+/-0.098 χ^2/NDF:1681923.9/7

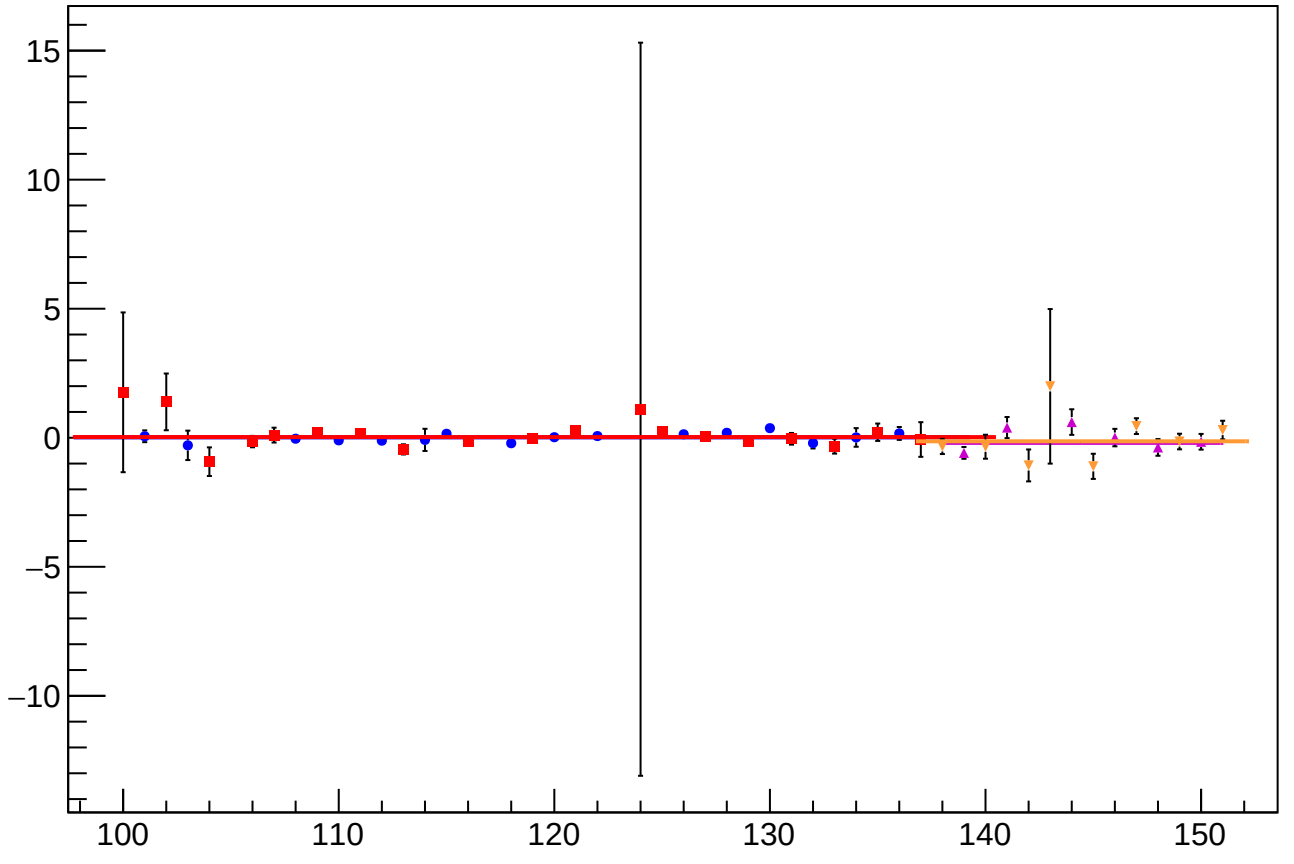
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 285.669+/-0.093 χ^2/NDF:698033.1/5

+ sign 138.942+/-0.032 χ^2/NDF: 7090543.0/23

All: 135.268+/-0.022 χ^2/NDF: 13109187.4/48

- sign 131.778+/-0.031 χ^2/NDF: 5992946.9/24



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.138+/-0.138 χ^2/NDF:12.6/7

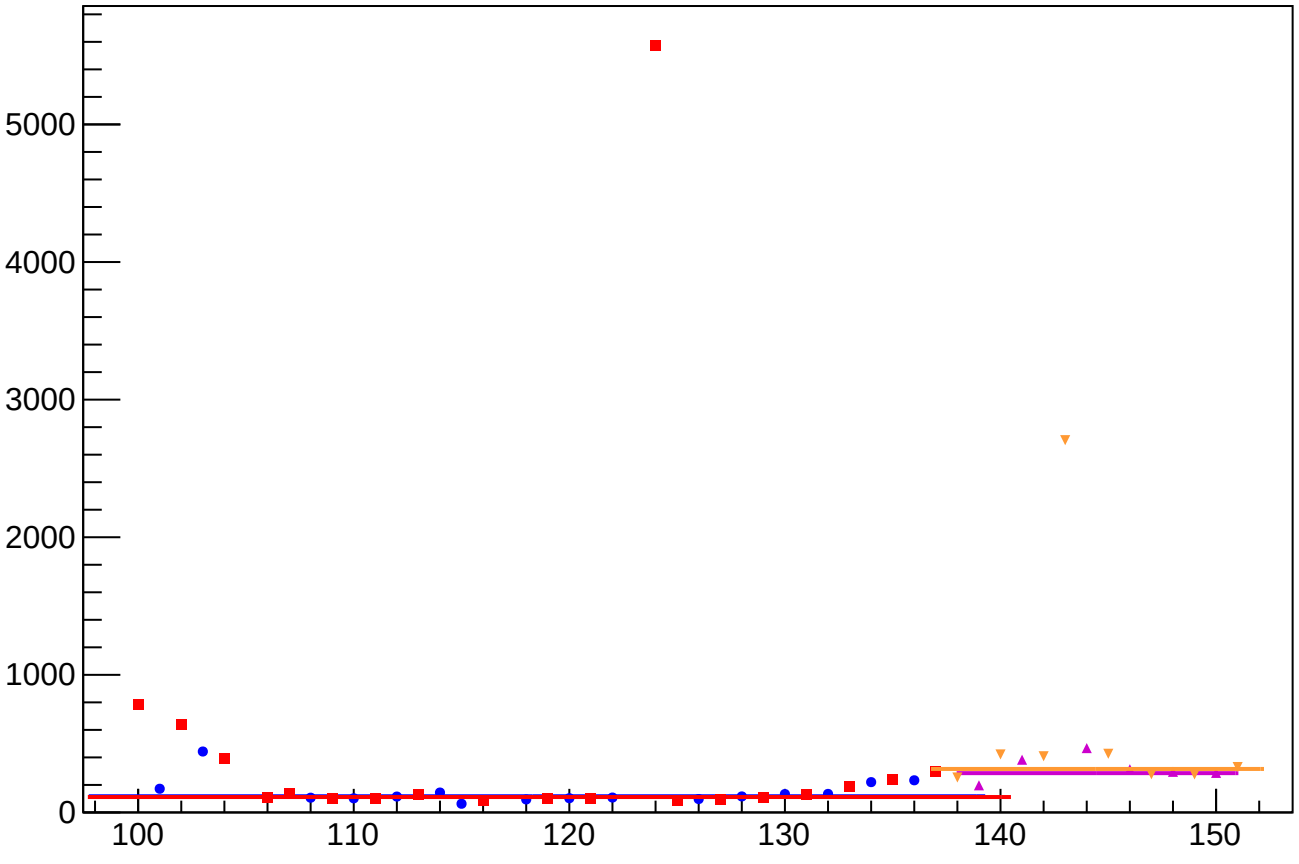
Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: -0.198+/-0.131 χ^2/NDF:8.3/5

+ sign -0.001+/-0.045 χ^2/NDF: 25.5/23

All: -0.000+/-0.032 χ^2/NDF: 58.4/48

- sign 0.000+/-0.044 χ^2/NDF: 33.0/24



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 316.206+/-0.098 χ^2/NDF:1681923.9/7

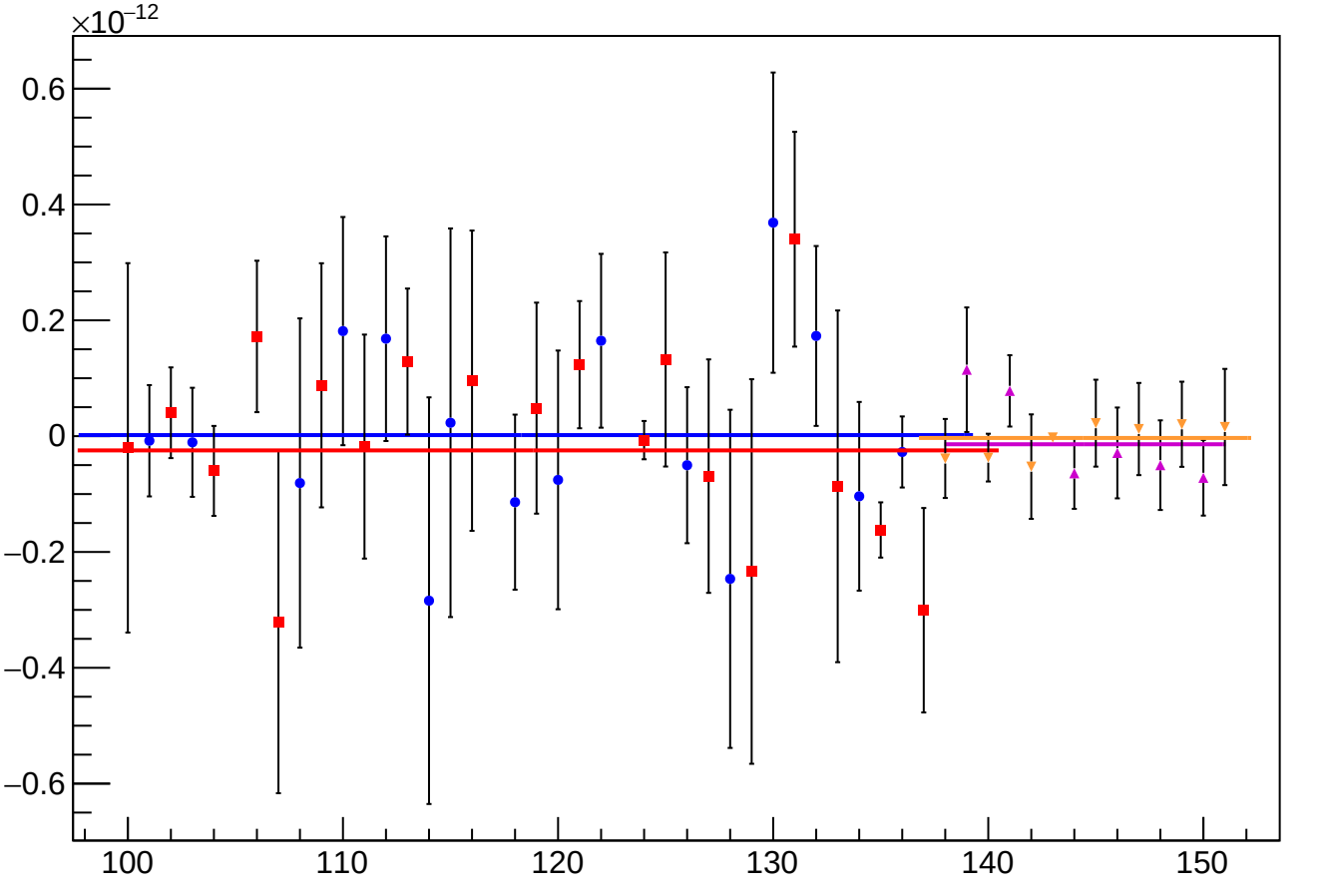
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 285.669+/-0.093 χ^2/NDF:698033.1/5

+ sign 138.942+/-0.032 χ^2/NDF: 7090543.0/23

All: 135.268+/-0.022 χ^2/NDF: 13109187.4/48

- sign 131.778+/-0.031 χ^2/NDF: 5992946.9/24



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.6/7

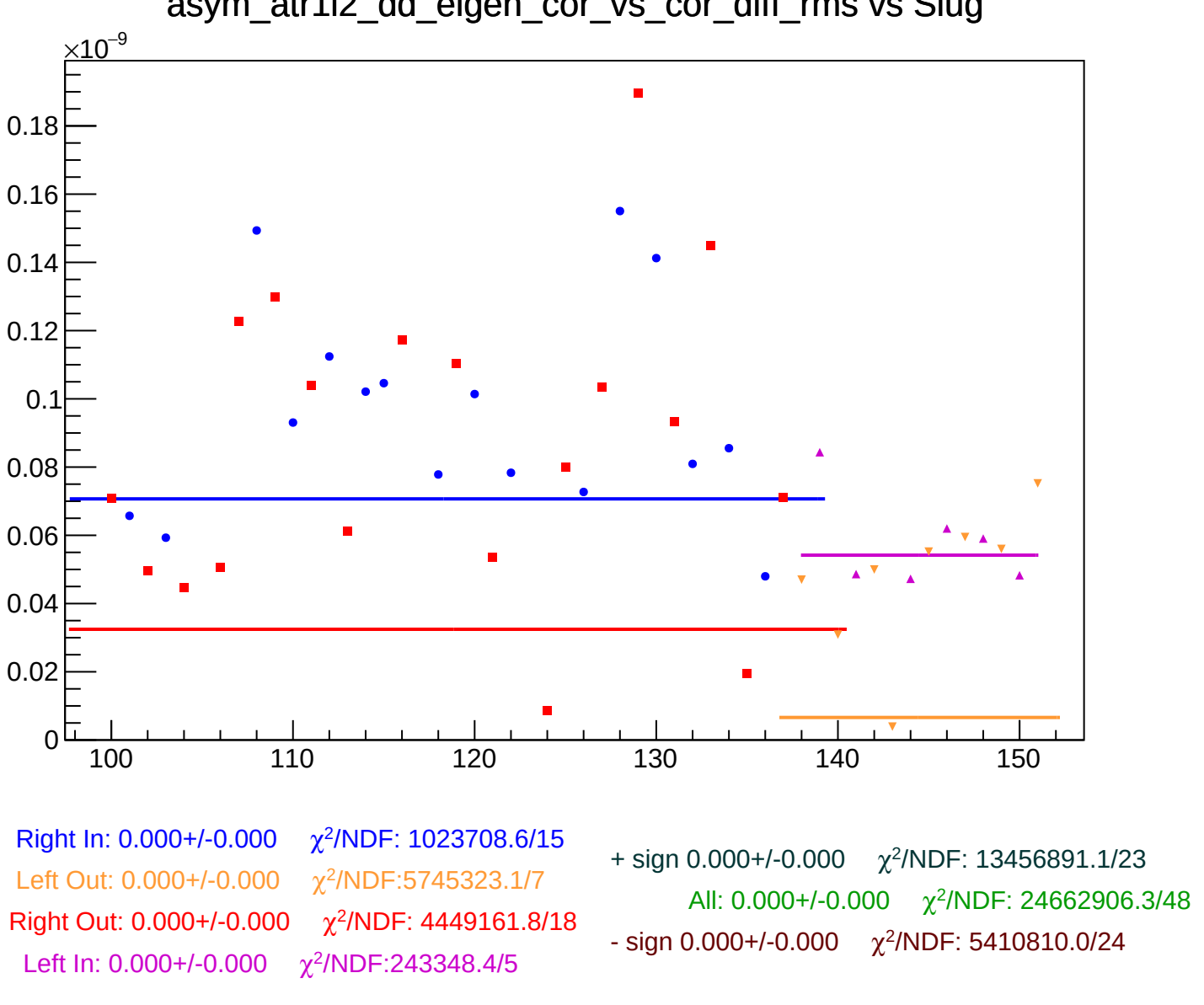
Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: -0.000+/-0.000 χ^2/NDF:5.4/5

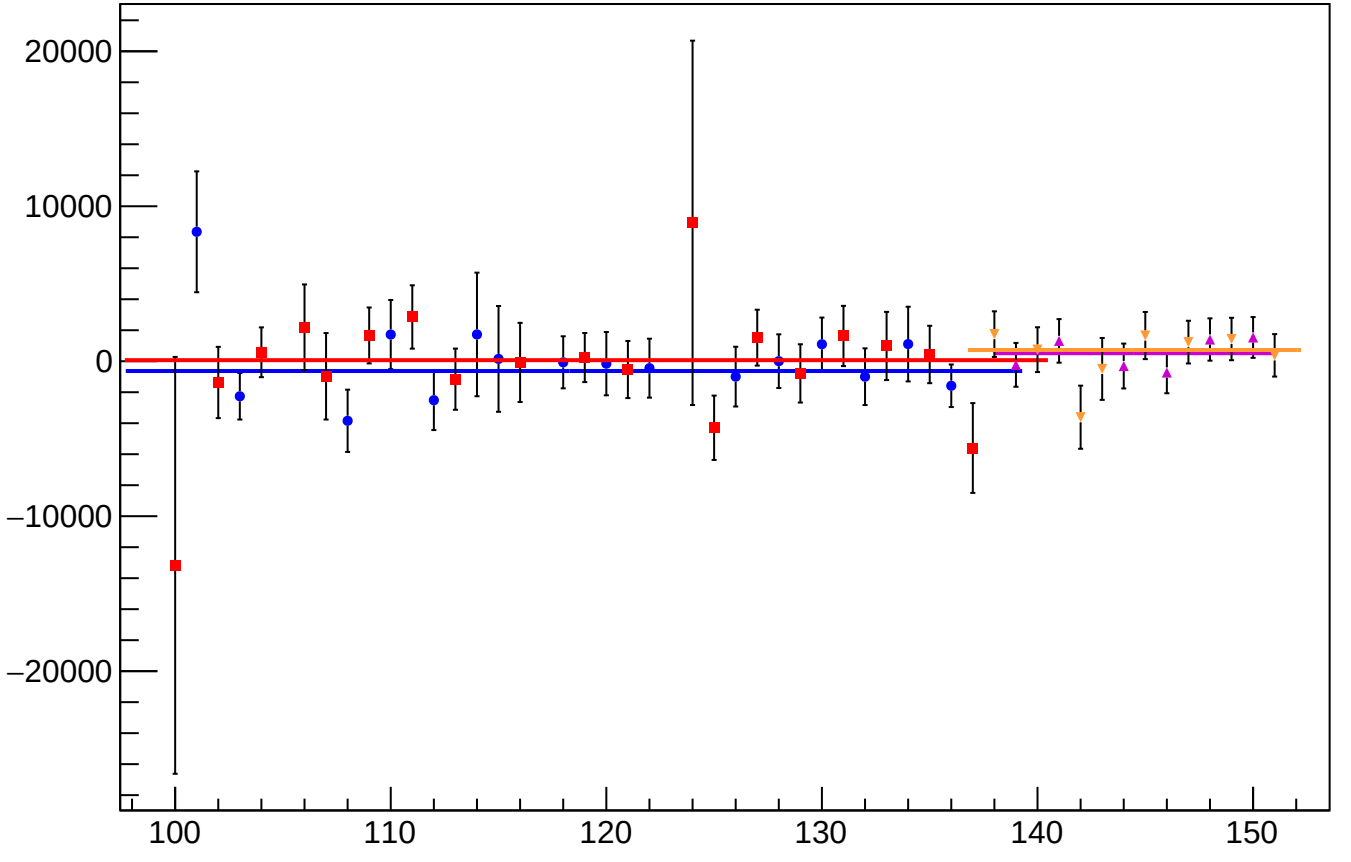
+ sign -0.000+/-0.000 χ^2/NDF: 10.7/23

All: -0.000+/-0.000 χ^2/NDF: 41.3/48

- sign -0.000+/-0.000 χ^2/NDF: 29.7/24


asym_atr1l2_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
Right In: 0.000+/-0.000 χ²/NDF: 1023708.6/15
Left Out: 0.000+/-0.000 χ²/NDF:5745323.1/7
Right Out: 0.000+/-0.000 χ²/NDF: 4449161.8/18
Left In: 0.000+/-0.000 χ²/NDF:243348.4/5
+ sign 0.000+/-0.000 χ²/NDF: 13456891.1/23
All: 0.000+/-0.000 χ²/NDF: 24662906.3/48
- sign 0.000+/-0.000 χ²/NDF: 5410810.0/24

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 723.837+/-537.862 χ^2/NDF:6.2/7

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

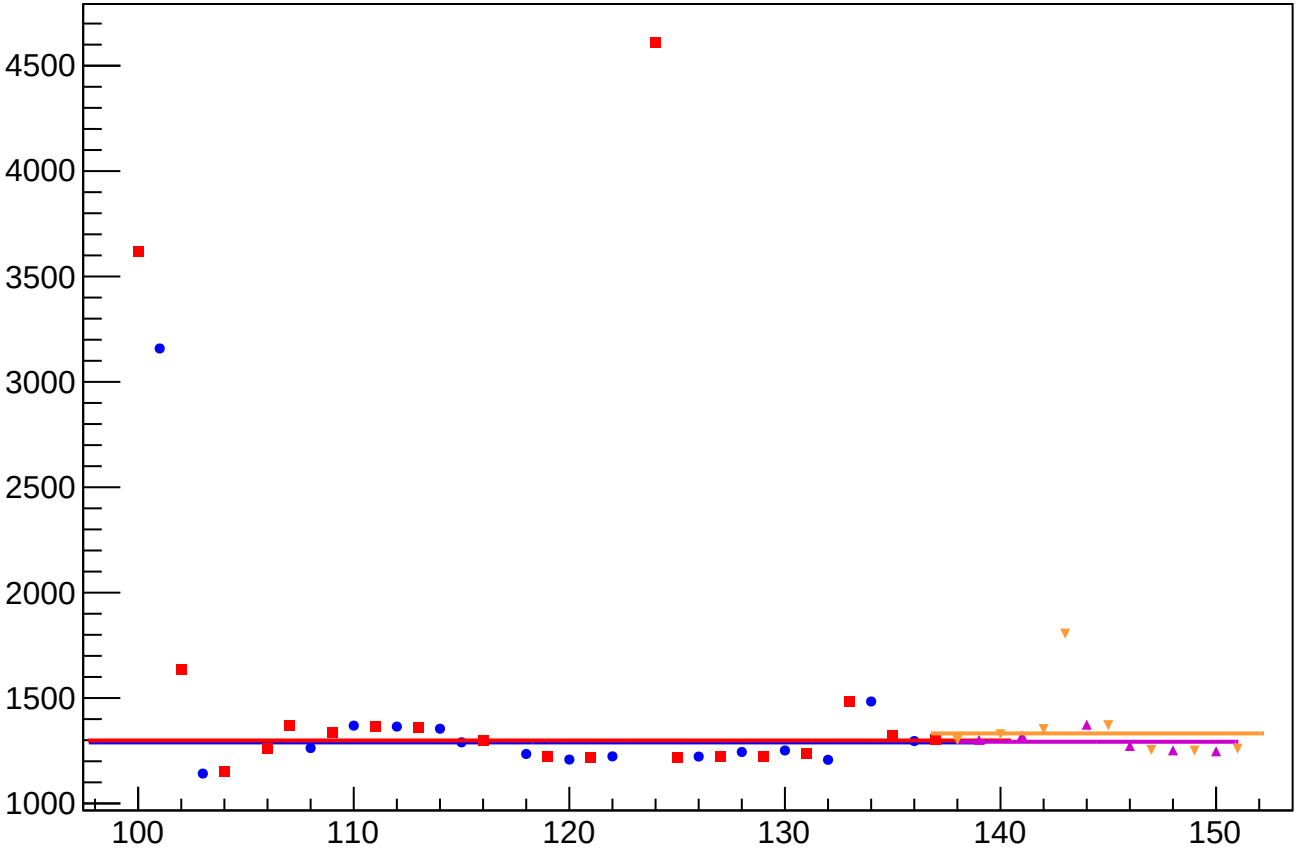
Left In: 517.647+/-563.232 χ^2/NDF:2.8/5

\+ sign -18.389+/-361.682 χ^2/NDF: 23.6/23

All: 118.368+/-258.199 χ^2/NDF: 43.0/48

\- sign 260.496+/-368.716 χ^2/NDF: 19.0/24

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1332.187+/-0.380 χ^2/NDF:133752.8/7

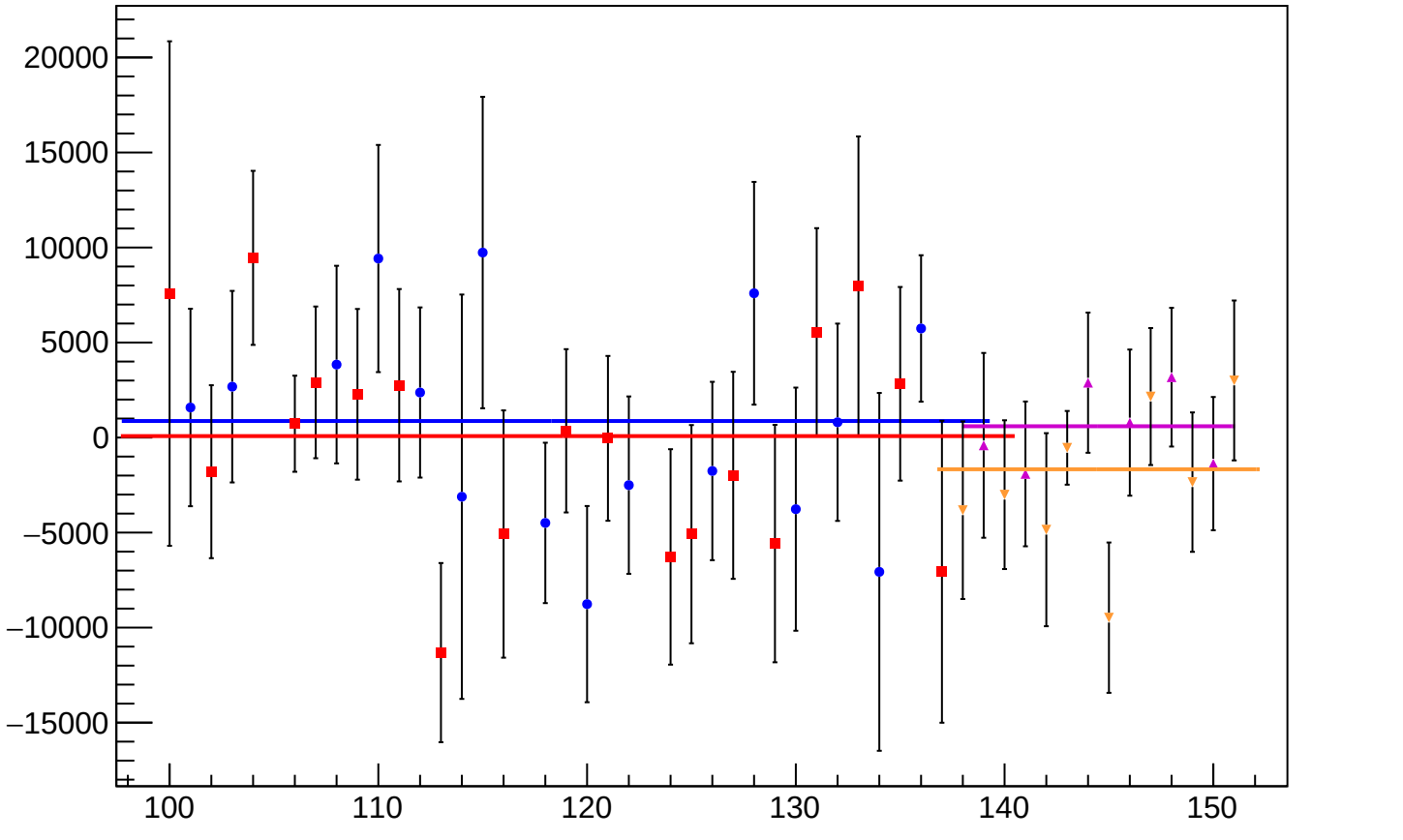
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1292.555+/-0.398 χ^2/NDF:11829.7/5

+ sign 1308.784+/-0.256 χ^2/NDF: 655339.9/23

All: 1302.530+/-0.182 χ^2/NDF: 987896.5/48

- sign 1296.049+/-0.260 χ^2/NDF: 331338.9/24



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -1668.580+/-1206.139 χ^2/NDF:7.4/7

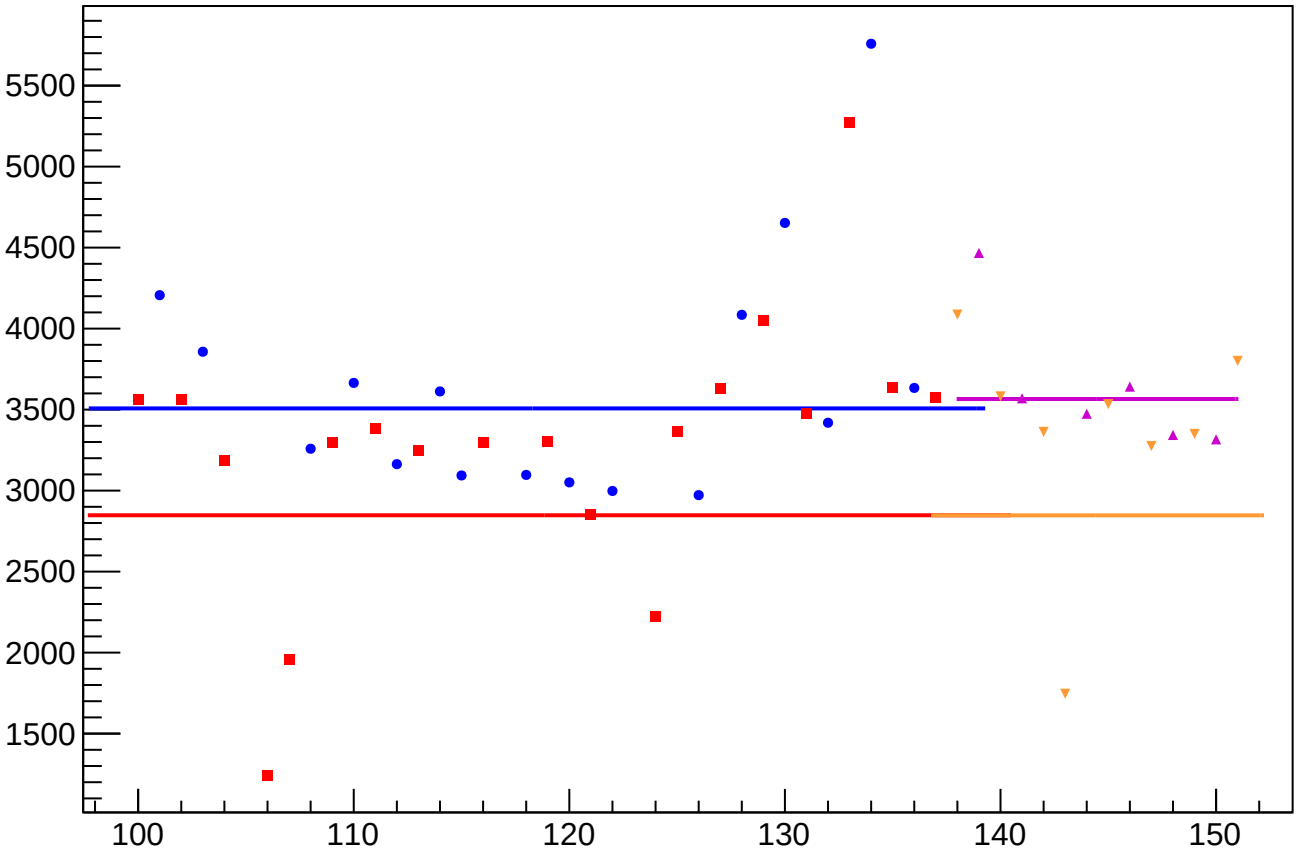
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 595.059+/-1563.936 χ^2/NDF:1.7/5

+ sign -518.368+/-892.021 χ^2/NDF: 23.4/23

All: -139.574+/-635.558 χ^2/NDF: 43.9/48

- sign 250.984+/-905.765 χ^2/NDF: 20.1/24



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 2847.311+/-0.853 χ^2/NDF:1105175.2/7

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

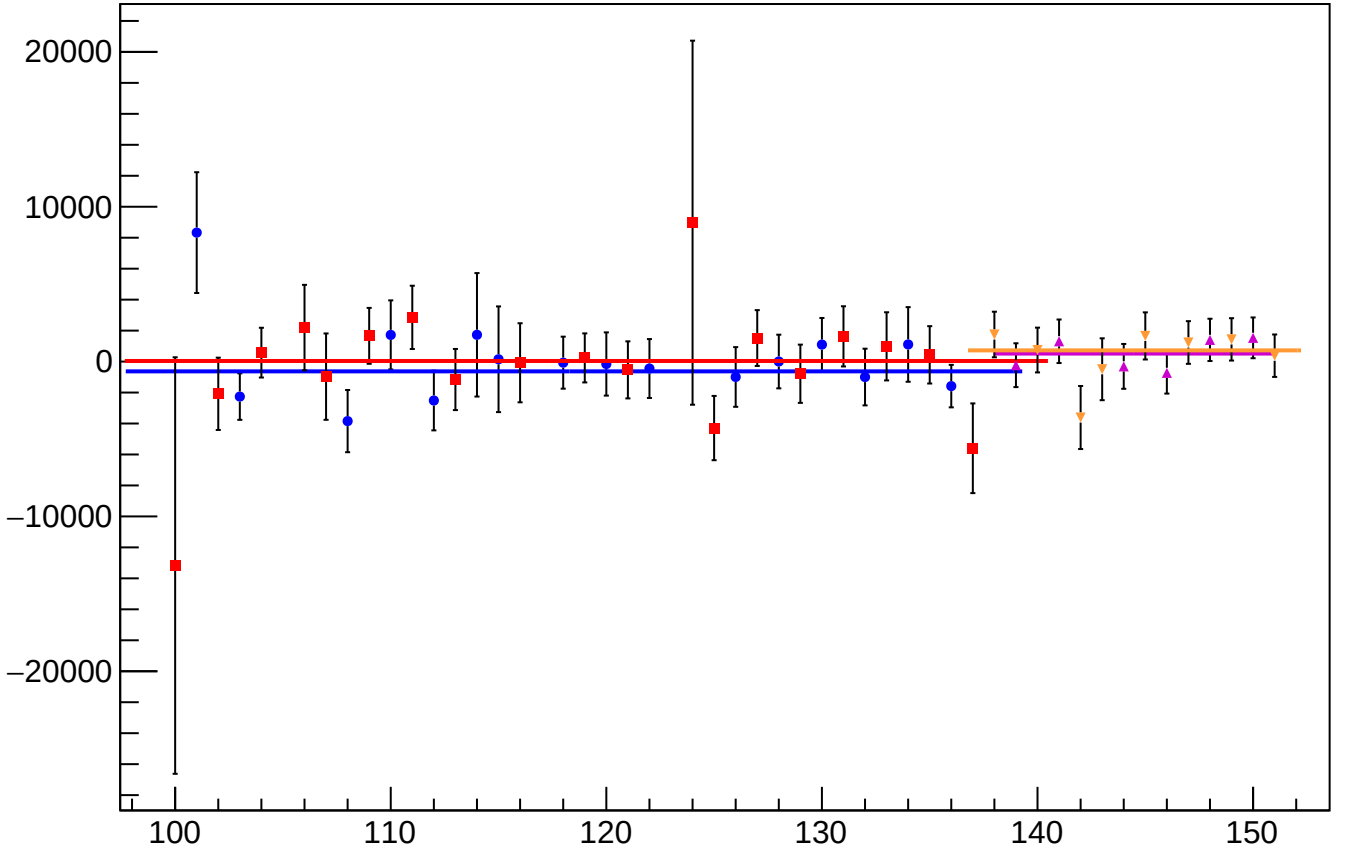
Left In: 3565.427+/-1.106 χ^2/NDF:88295.7/5

+ sign 3146.356+/-0.631 χ^2/NDF: 1730531.0/23

All: 3117.886+/-0.449 χ^2/NDF: 3602168.8/48

- sign 3088.531+/-0.640 χ^2/NDF: 1867499.7/24

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 723.805+/-537.862 χ^2/NDF:6.2/7

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

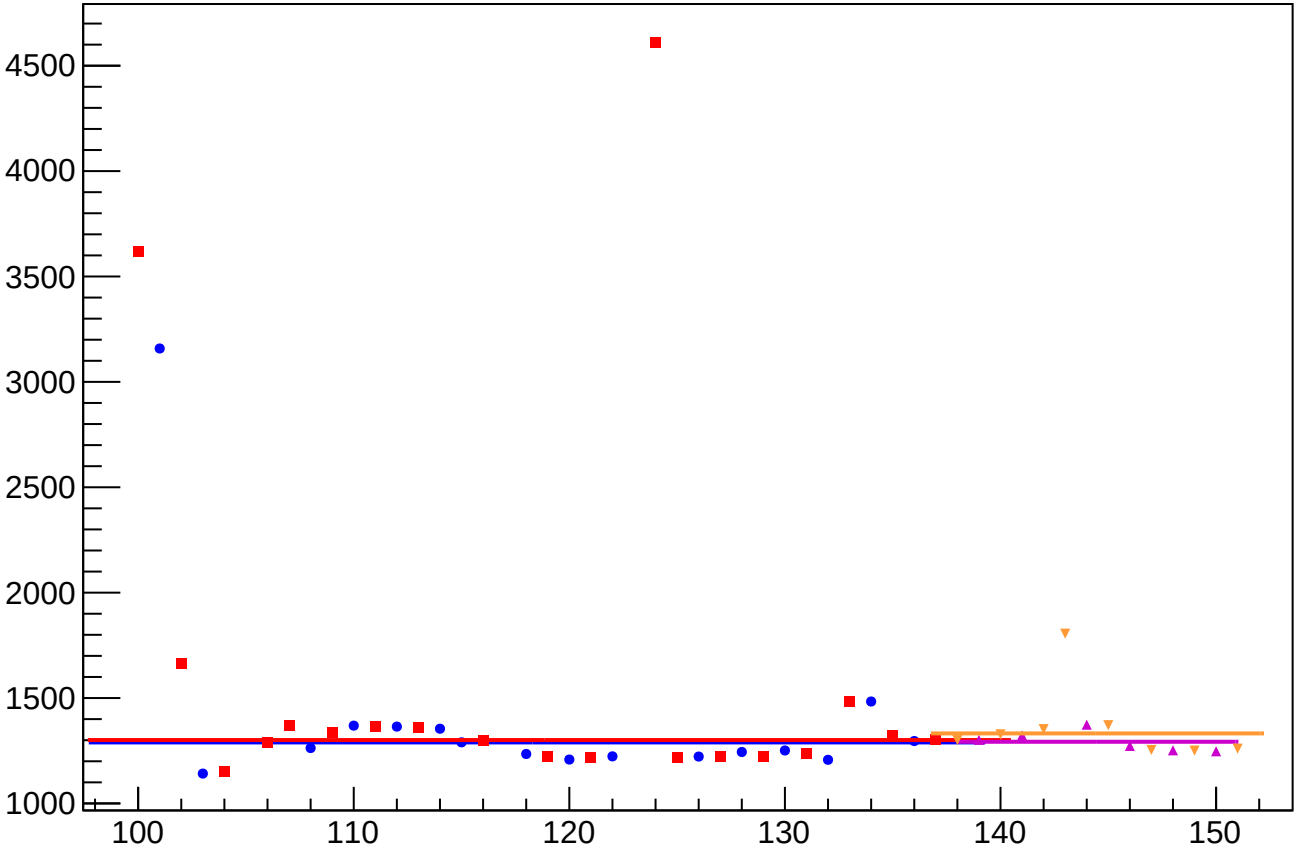
Left In: 517.618+/-563.232 χ^2/NDF:2.8/5

\+ sign -18.615+/-361.682 χ^2/NDF: 23.6/23

All: 110.142+/-258.247 χ^2/NDF: 43.4/48

\- sign 244.056+/-368.856 χ^2/NDF: 19.5/24

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1332.187+/-0.380 χ^2/NDF:133752.8/7

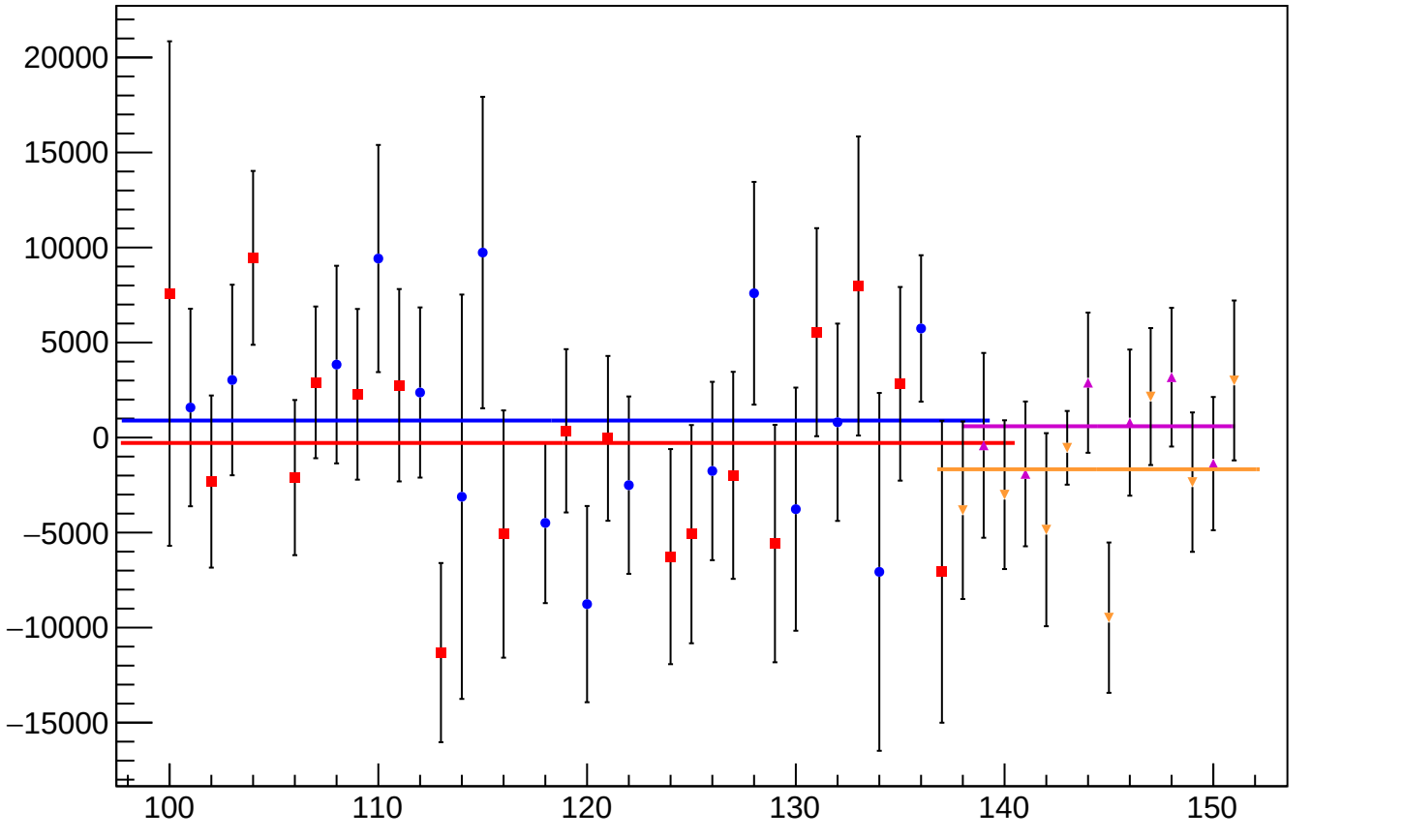
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1292.555+/-0.398 χ^2/NDF:11829.7/5

+ sign 1308.784+/-0.256 χ^2/NDF: 655341.4/23

All: 1303.102+/-0.183 χ^2/NDF: 994322.9/48

- sign 1297.205+/-0.261 χ^2/NDF: 337975.7/24



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1668.503+/-1206.136 χ^2/NDF:7.4/7

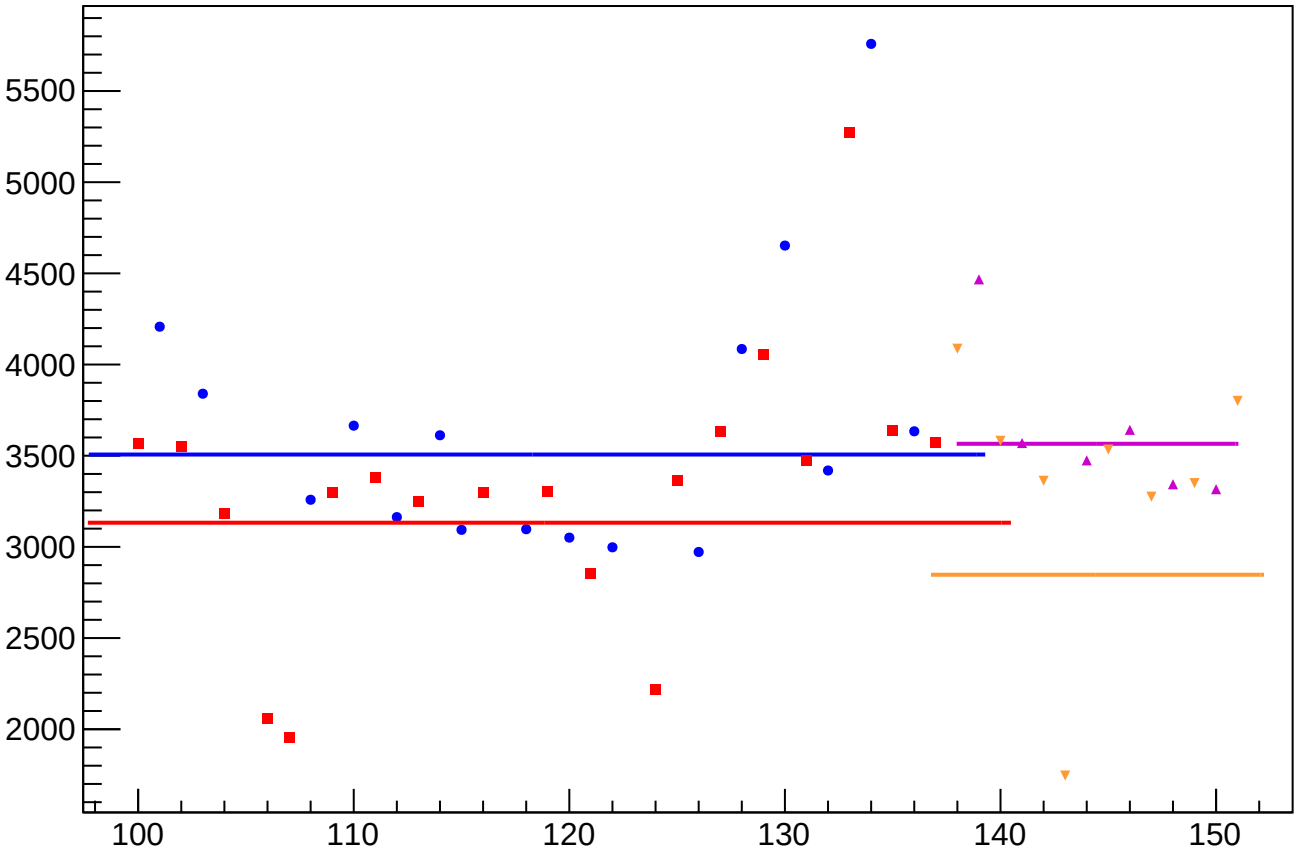
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 595.101+/-1563.934 χ^2/NDF:1.7/5

\+ sign -506.240+/-891.881 χ^2/NDF: 23.5/23

All: -250.367+/-648.158 χ^2/NDF: 44.2/48

\- sign 36.023+/-943.569 χ^2/NDF: 20.5/24



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2847.301+/-0.853 χ^2/NDF:1105194.9/7

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

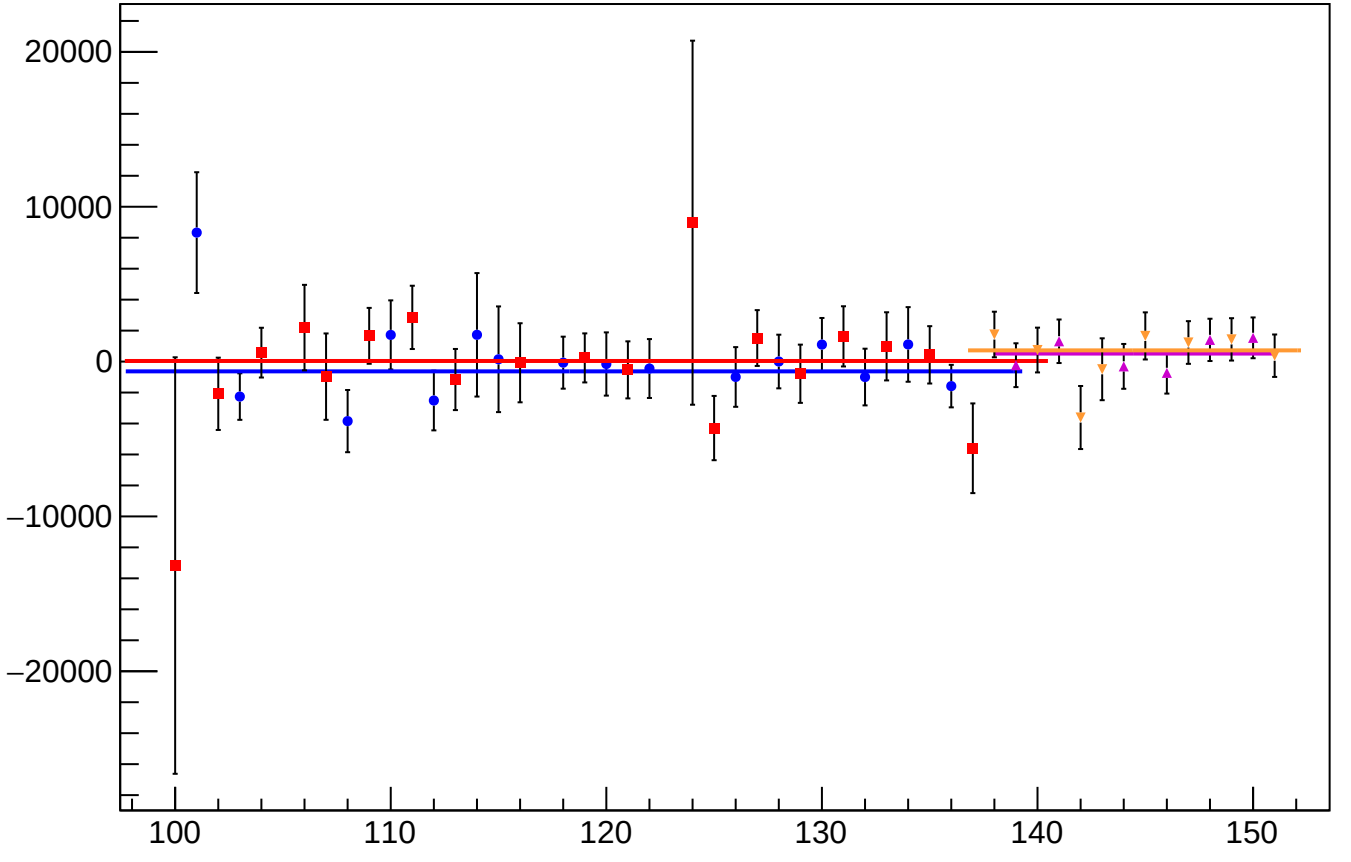
Left In: 3565.422+/-1.106 χ^2/NDF:88295.0/5

+ sign 3146.049+/-0.631 χ^2/NDF: 1729169.7/23

All: 3214.041+/-0.458 χ^2/NDF: 2589138.3/48

- sign 3290.142+/-0.667 χ^2/NDF: 835335.7/24

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: 723.805+/-537.862 χ^2/NDF:6.2/7

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

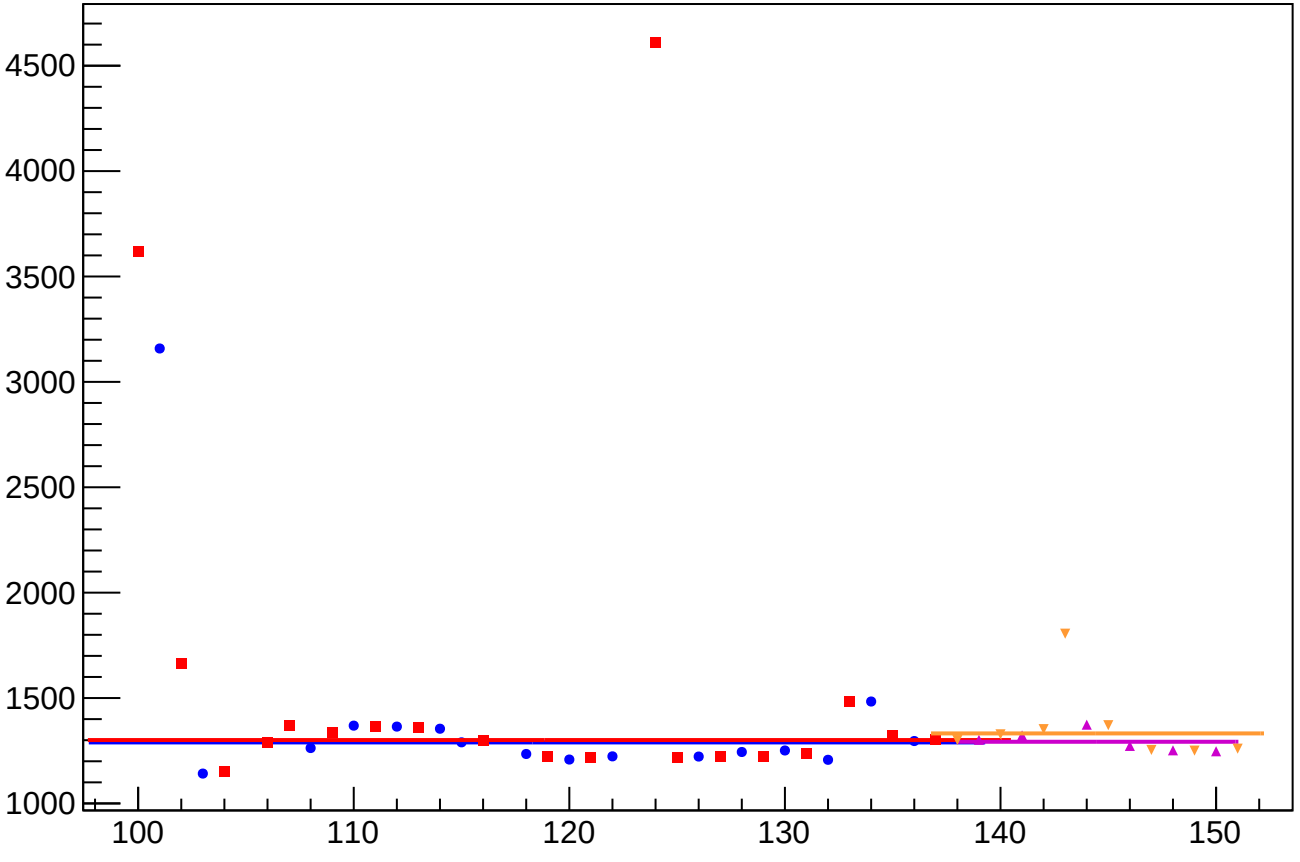
Left In: 517.618+/-563.232 χ^2/NDF:2.8/5

+ sign -18.615+/-361.682 χ^2/NDF: 23.6/23

All: 110.142+/-258.247 χ^2/NDF: 43.4/48

- sign 244.056+/-368.856 χ^2/NDF: 19.5/24

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: 1332.187+/-0.380 χ^2/NDF:133752.8/7

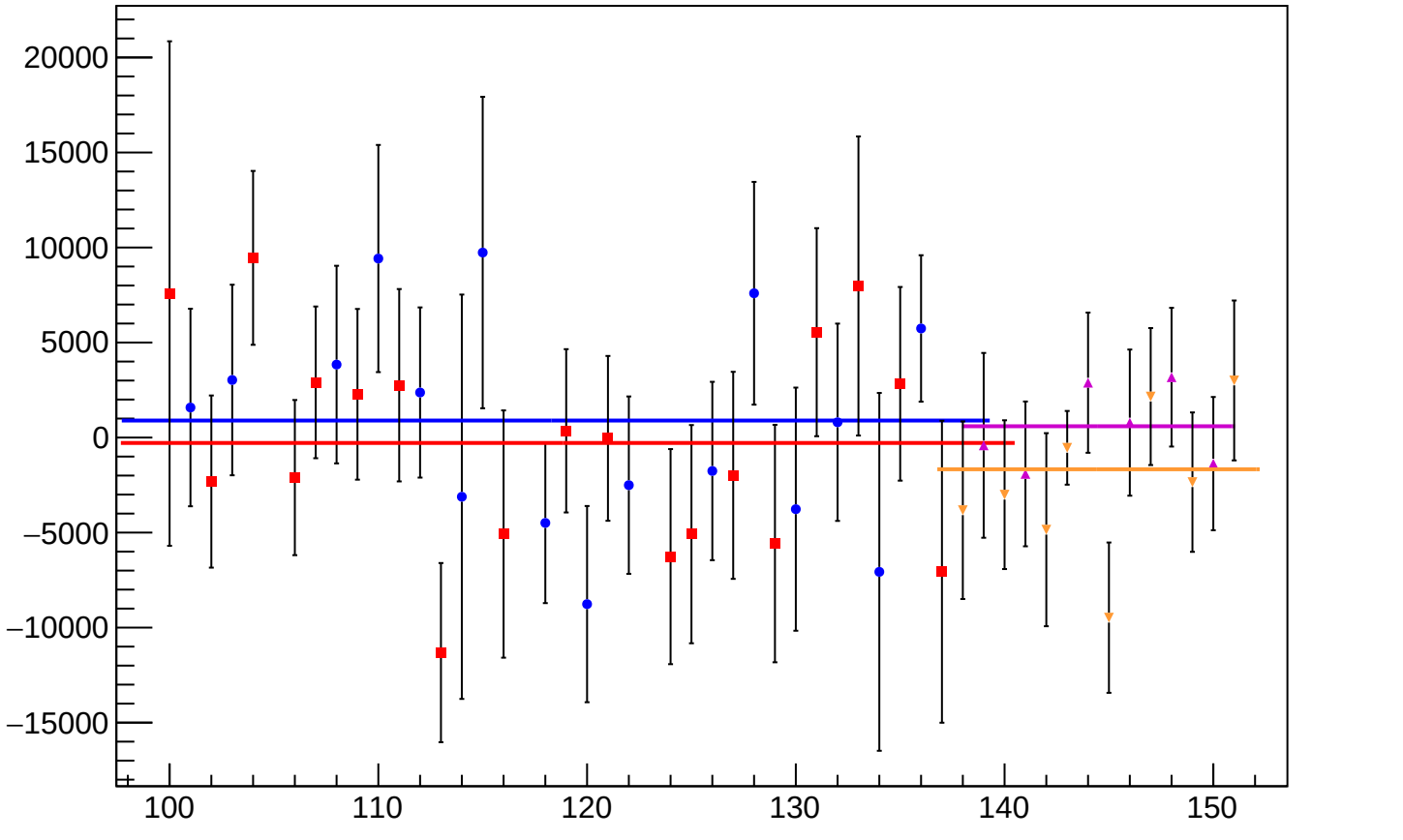
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1292.555+/-0.398 χ^2/NDF:11829.7/5

+ sign 1308.784+/-0.256 χ^2/NDF: 655341.4/23

All: 1303.102+/-0.183 χ^2/NDF: 994322.9/48

- sign 1297.205+/-0.261 χ^2/NDF: 337975.7/24



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1668.503+/-1206.136 χ^2/NDF:7.4/7

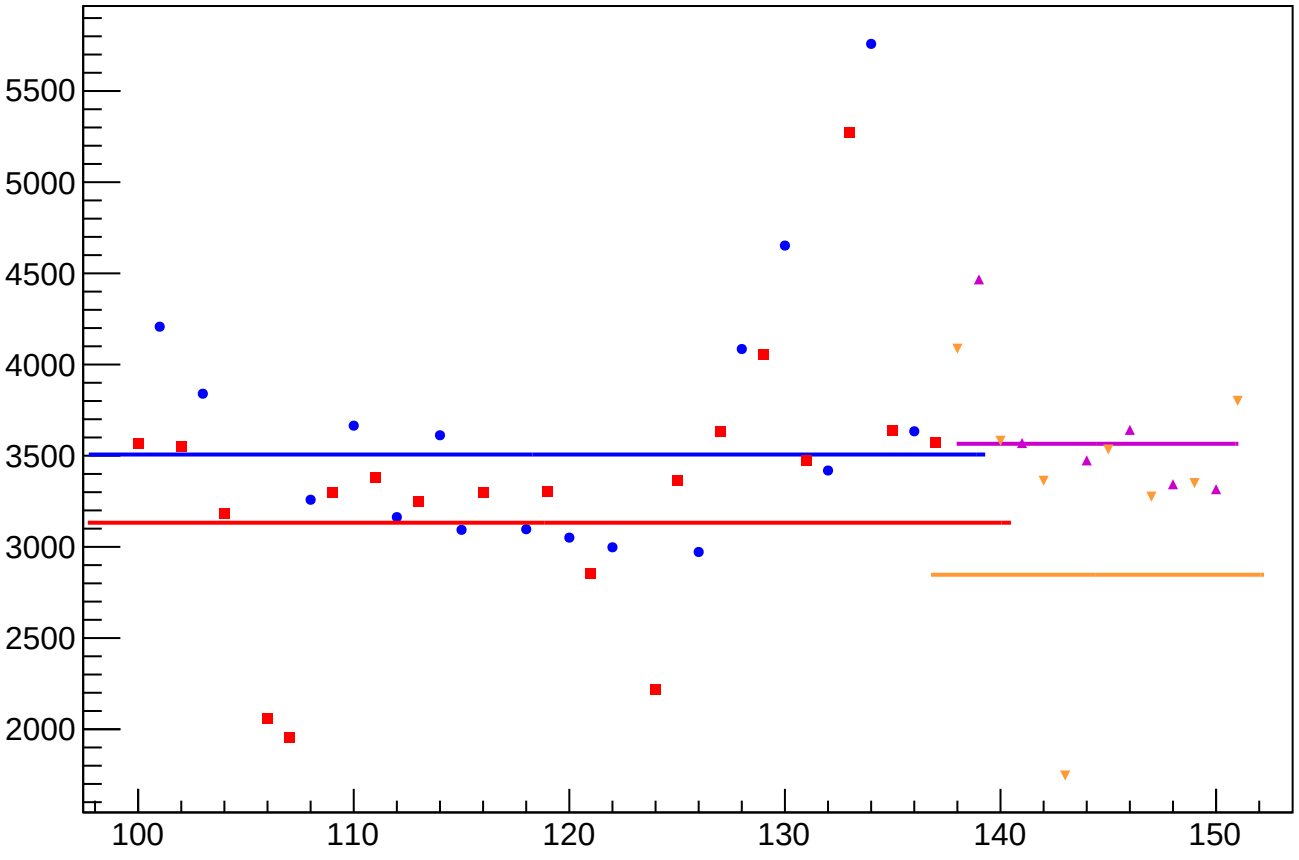
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 595.101+/-1563.934 χ^2/NDF:1.7/5

+ sign -506.240+/-891.881 χ^2/NDF: 23.5/23

All: -250.367+/-648.158 χ^2/NDF: 44.2/48

- sign 36.023+/-943.569 χ^2/NDF: 20.5/24



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2847.301+/-0.853 χ^2/NDF:1105194.9/7

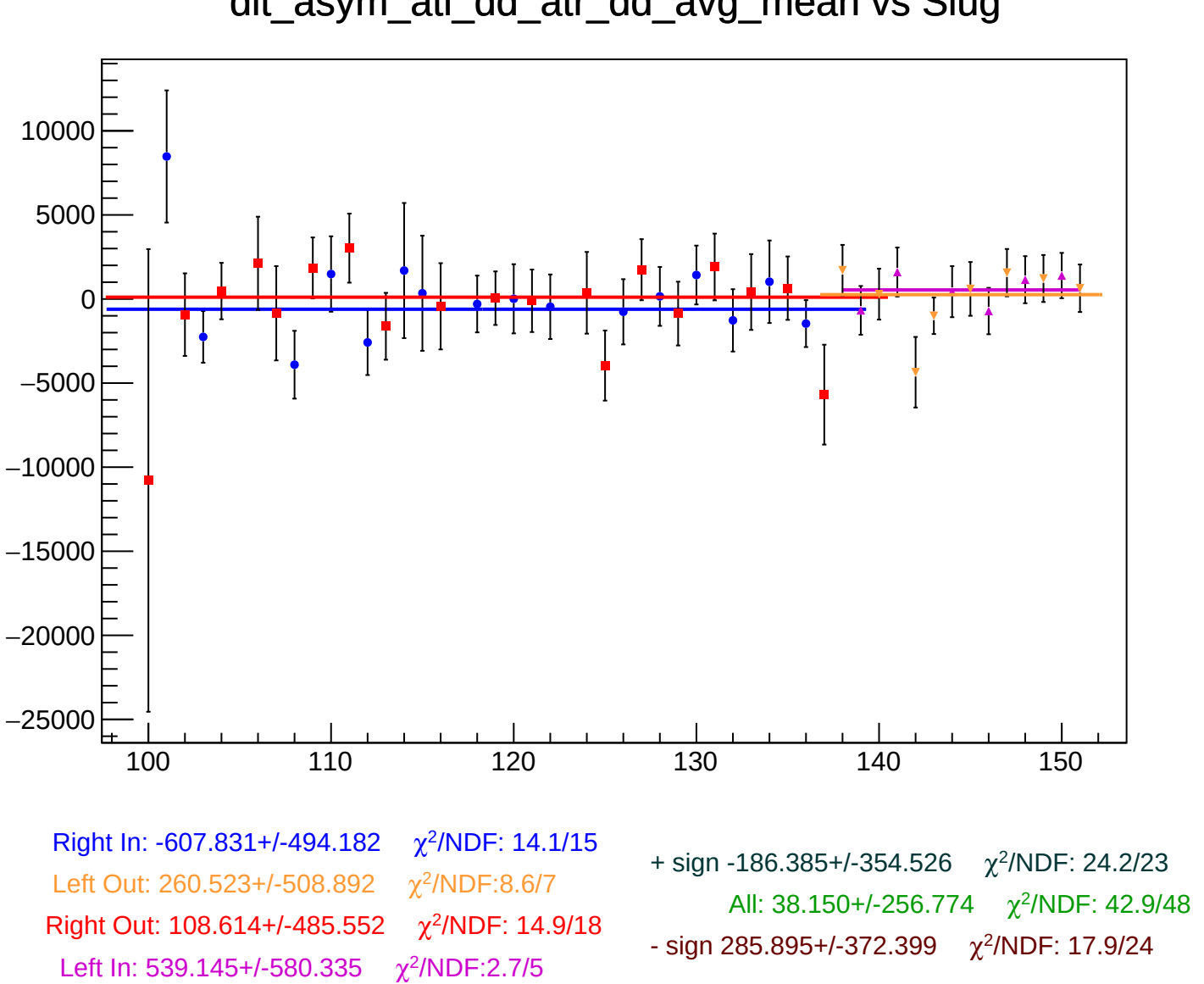
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3565.422+/-1.106 χ^2/NDF:88295.0/5

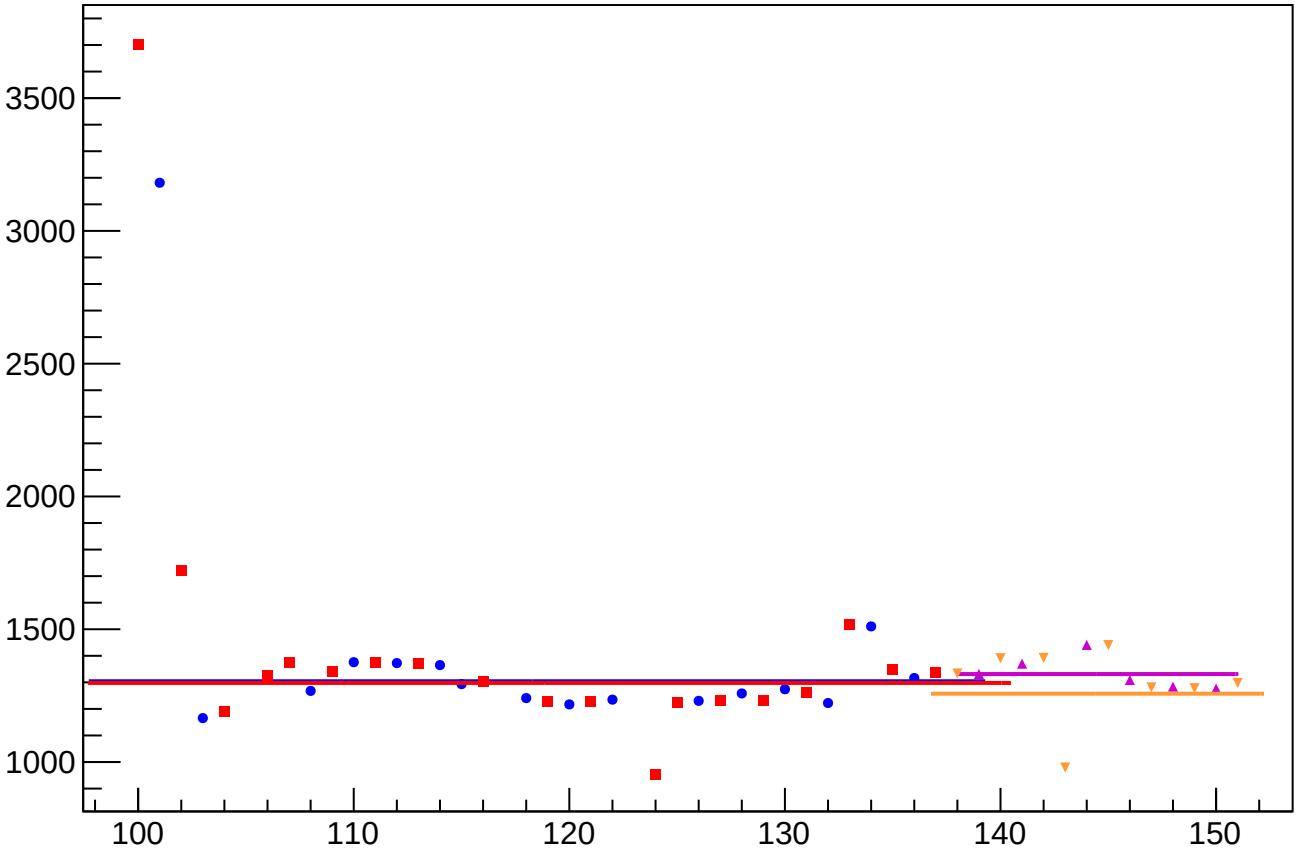
+ sign 3146.049+/-0.631 χ^2/NDF: 1729169.7/23

All: 3214.041+/-0.458 χ^2/NDF: 2589138.3/48

- sign 3290.142+/-0.667 χ^2/NDF: 835335.7/24


dit_asym_atl_dd_atr_dd_avg_mean vs Slug
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
Right In: -607.831+/-494.182 χ²/NDF: 14.1/15
Left Out: 260.523+/-508.892 χ²/NDF:8.6/7
Right Out: 108.614+/-485.552 χ²/NDF: 14.9/18
Left In: 539.145+/-580.335 χ²/NDF:2.7/5
+ sign -186.385+/-354.526 χ²/NDF: 24.2/23
All: 38.150+/-256.774 χ²/NDF: 42.9/48
- sign 285.895+/-372.399 χ²/NDF: 17.9/24

dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1257.332+/-0.360 χ^2/NDF:189333.3/7

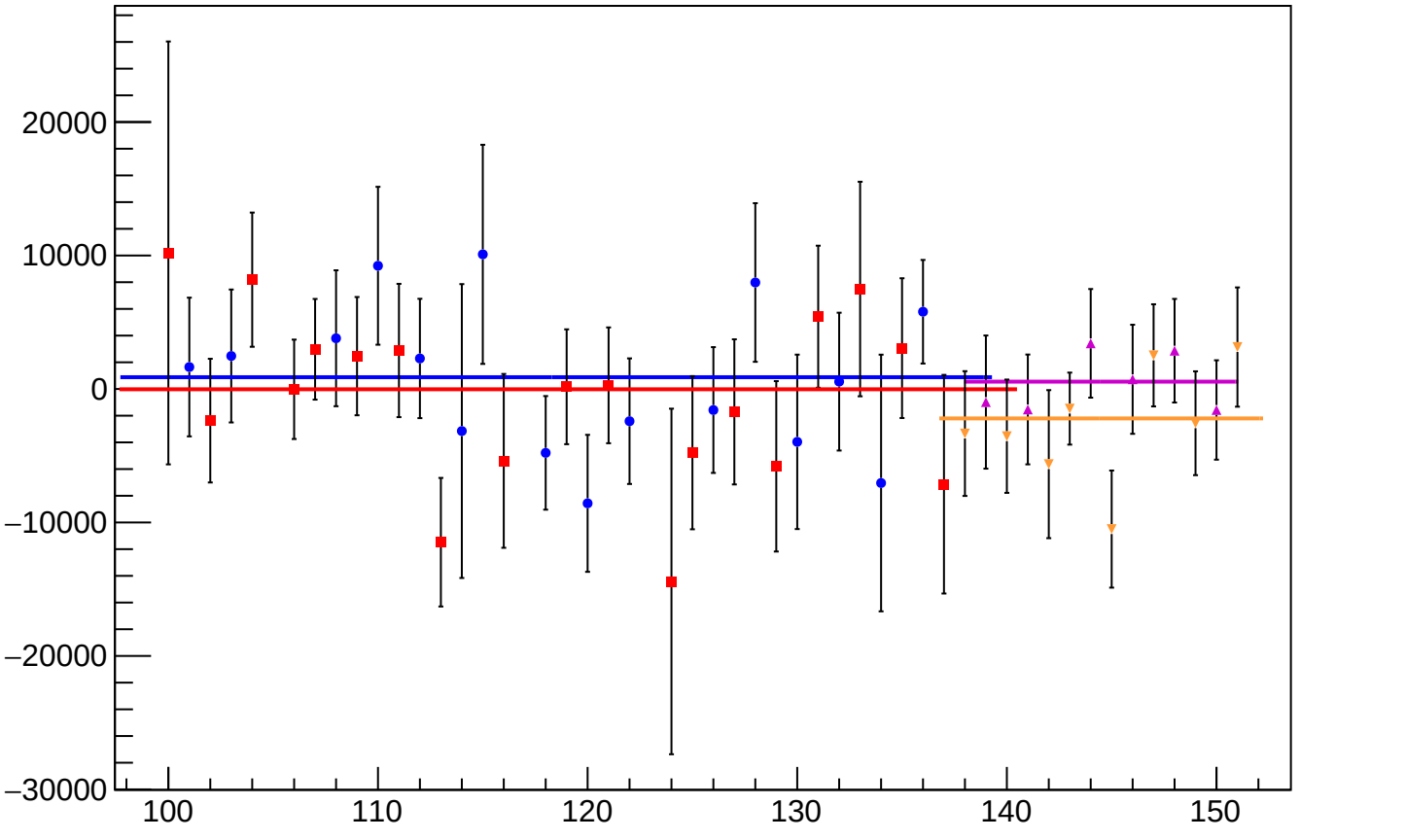
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1331.283+/-0.410 χ^2/NDF:18010.4/5

+ sign 1281.403+/-0.251 χ^2/NDF: 708617.1/23

All: 1295.753+/-0.182 χ^2/NDF: 950533.0/48

- sign 1311.573+/-0.263 χ^2/NDF: 235026.8/24



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -2205.955+/-1403.445 χ^2/NDF:7.2/7

Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

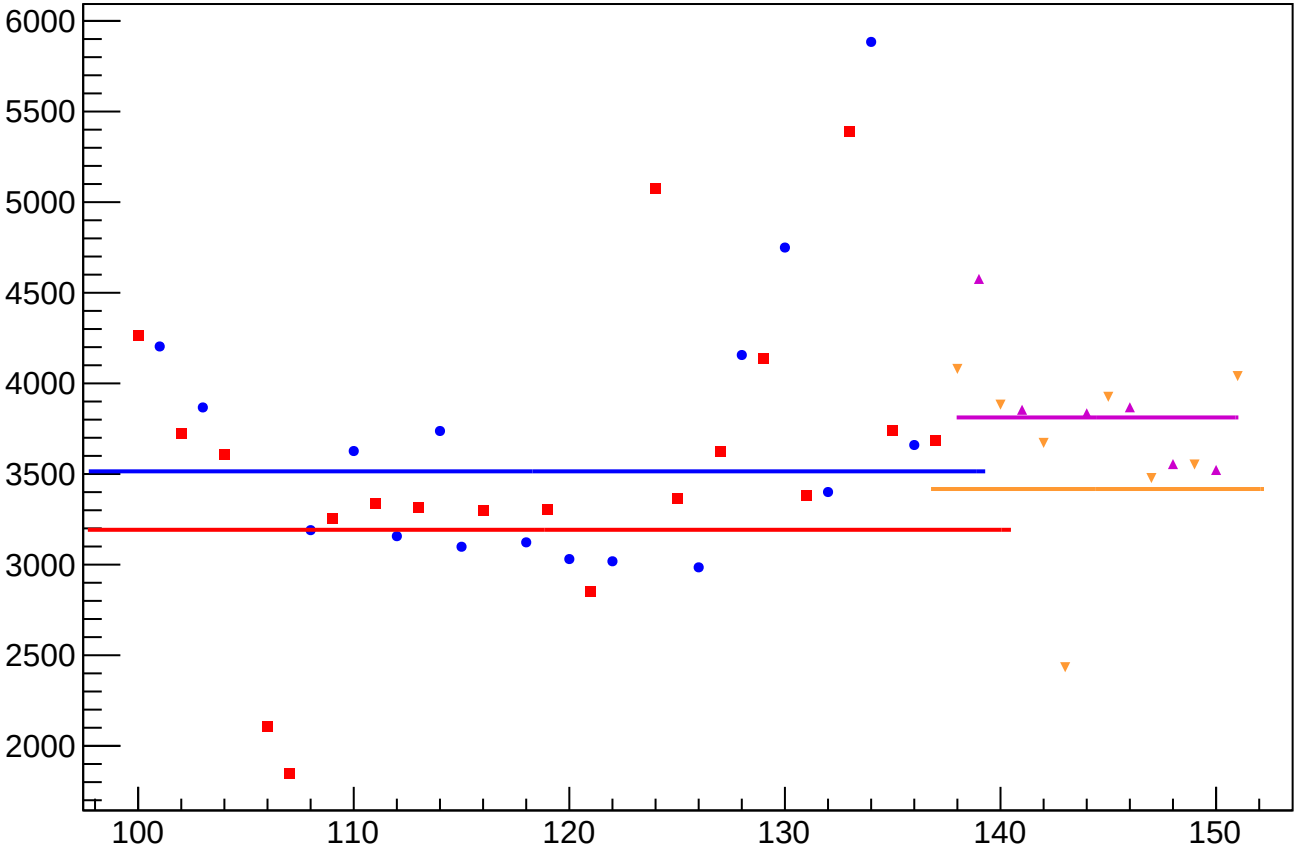
Left In: 550.568+/-1670.988 χ^2/NDF:1.5/5

+ sign -574.967+/-964.377 χ^2/NDF: 23.8/23

All: -204.628+/-685.541 χ^2/NDF: 42.6/48

- sign 173.689+/-974.709 χ^2/NDF: 18.4/24

asym_atl_dd_atr_dd_avg_dit_correction_rms vs Slug



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3417.290+/-0.992 χ^2/NDF:402928.5/7

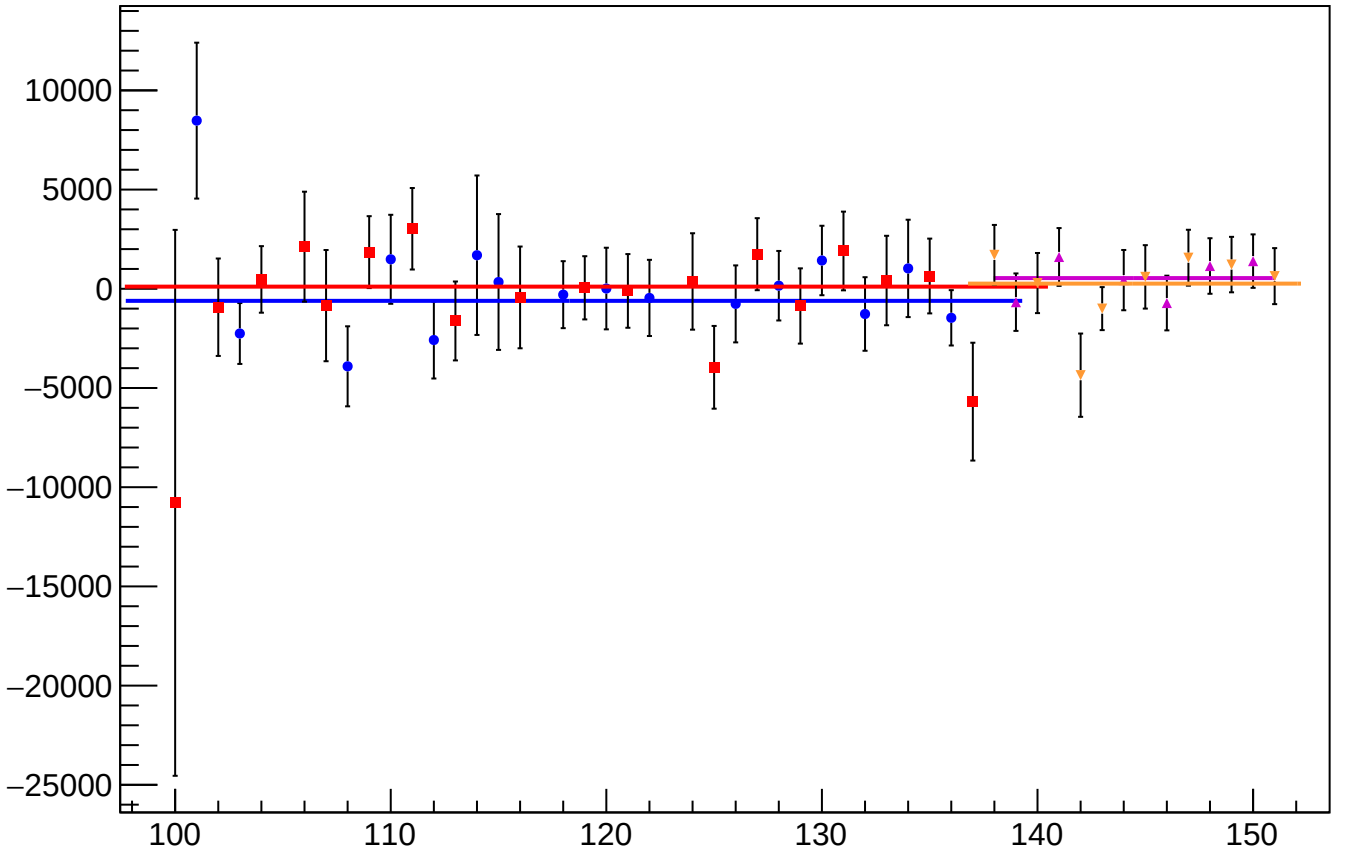
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 3812.116+/-1.182 χ^2/NDF:68525.5/5

+ sign 3468.730+/-0.682 χ^2/NDF: 783097.4/23

All: 3436.280+/-0.485 χ^2/NDF: 1810298.4/48

- sign 3403.131+/-0.689 χ^2/NDF: 1022623.3/24



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 260.521+/-508.892 χ^2/NDF:8.6/7

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

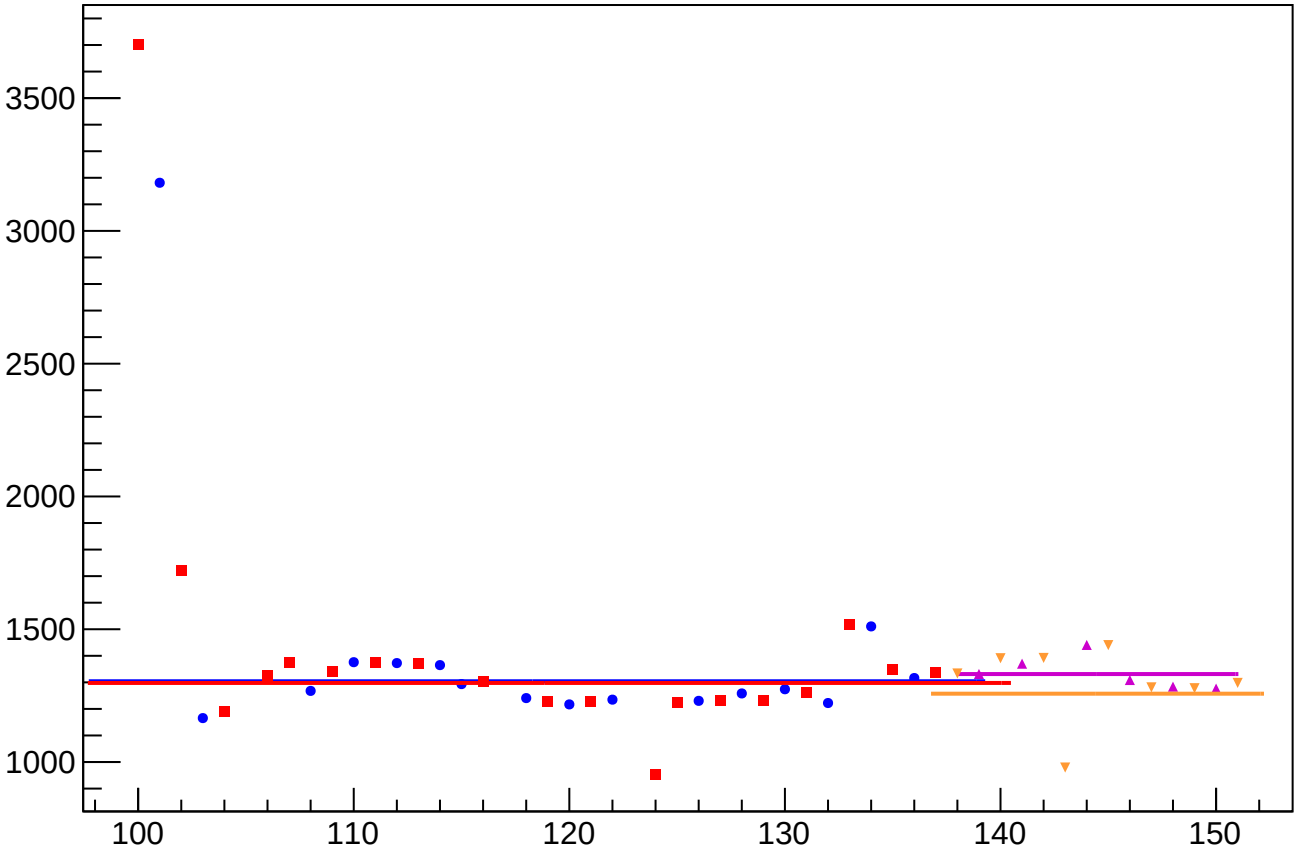
Left In: 539.145+/-580.336 χ^2/NDF:2.7/5

+ sign -186.388+/-354.526 χ^2/NDF: 24.2/23

All: 38.150+/-256.774 χ^2/NDF: 42.9/48

- sign 285.898+/-372.399 χ^2/NDF: 17.9/24

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: 1257.333+/-0.360 χ^2/NDF:189333.5/7

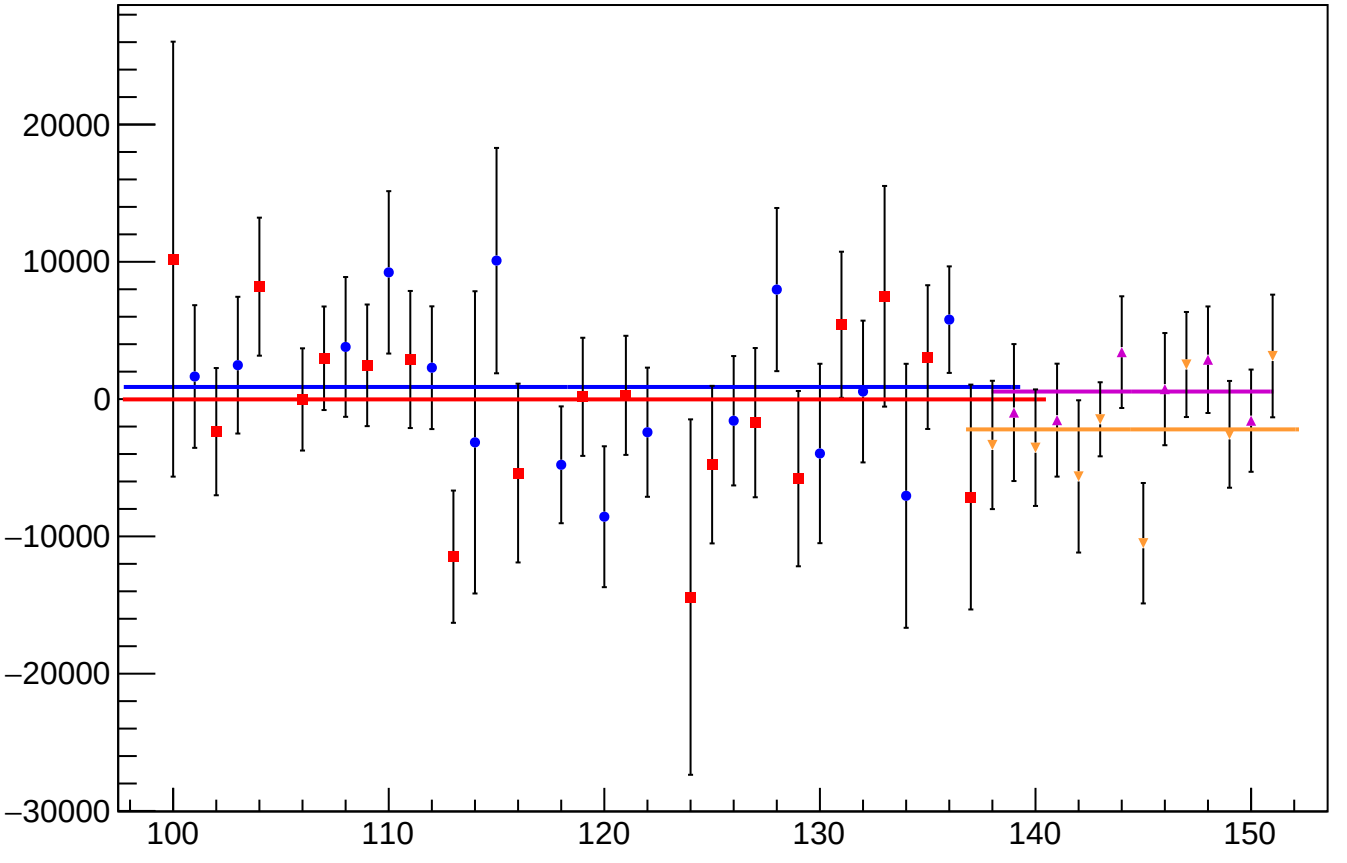
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1331.284+/-0.410 χ^2/NDF:18010.5/5

+ sign 1281.403+/-0.251 χ^2/NDF: 708617.1/23

All: 1295.754+/-0.182 χ^2/NDF: 950533.4/48

- sign 1311.573+/-0.263 χ^2/NDF: 235027.2/24



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -2205.954+/-1403.447 χ^2/NDF:7.2/7

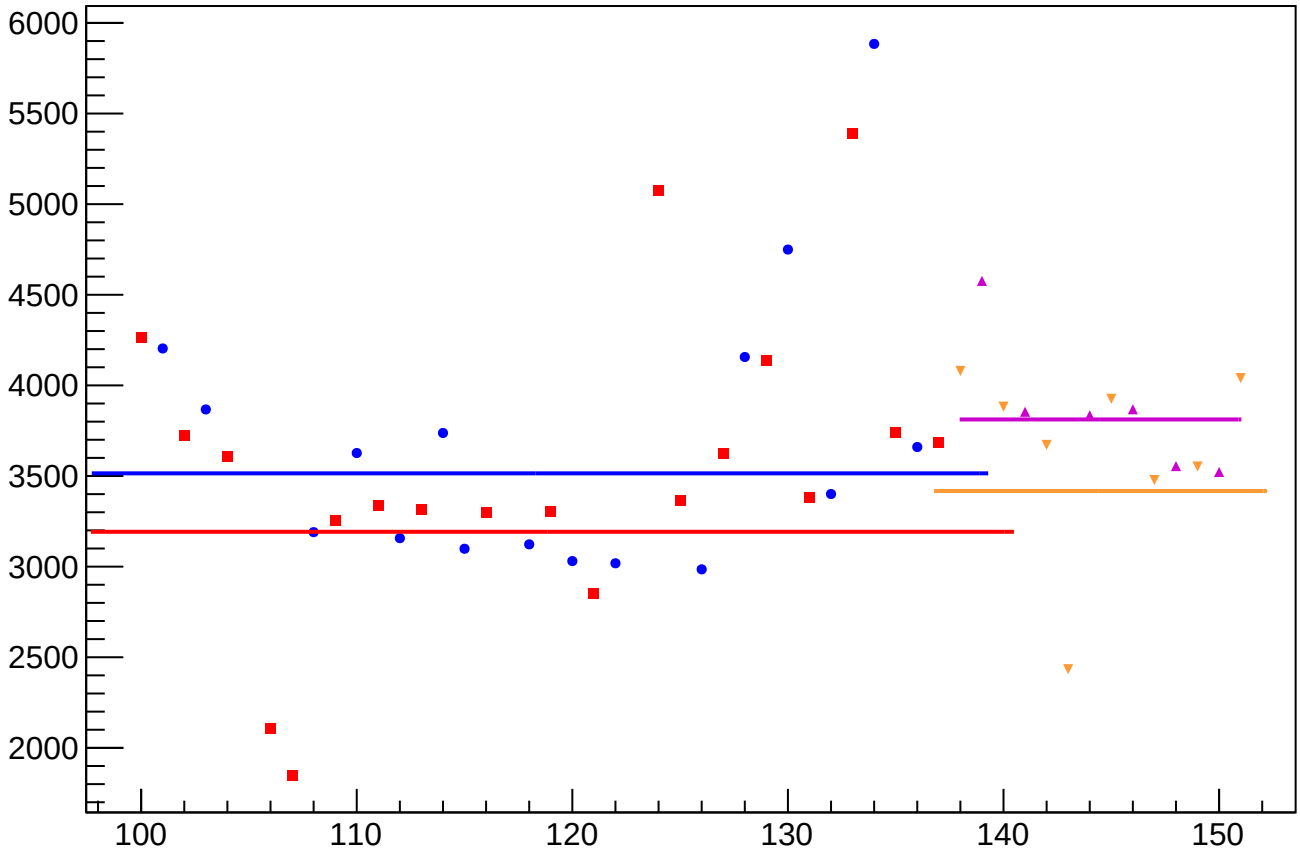
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 550.566+/-1670.990 χ^2/NDF:1.5/5

\+ sign -574.966+/-964.376 χ^2/NDF: 23.8/23

All: -204.627+/-685.541 χ^2/NDF: 42.6/48

\- sign 173.690+/-974.708 χ^2/NDF: 18.4/24



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3417.295+/-0.992 χ^2/NDF:402928.8/7

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

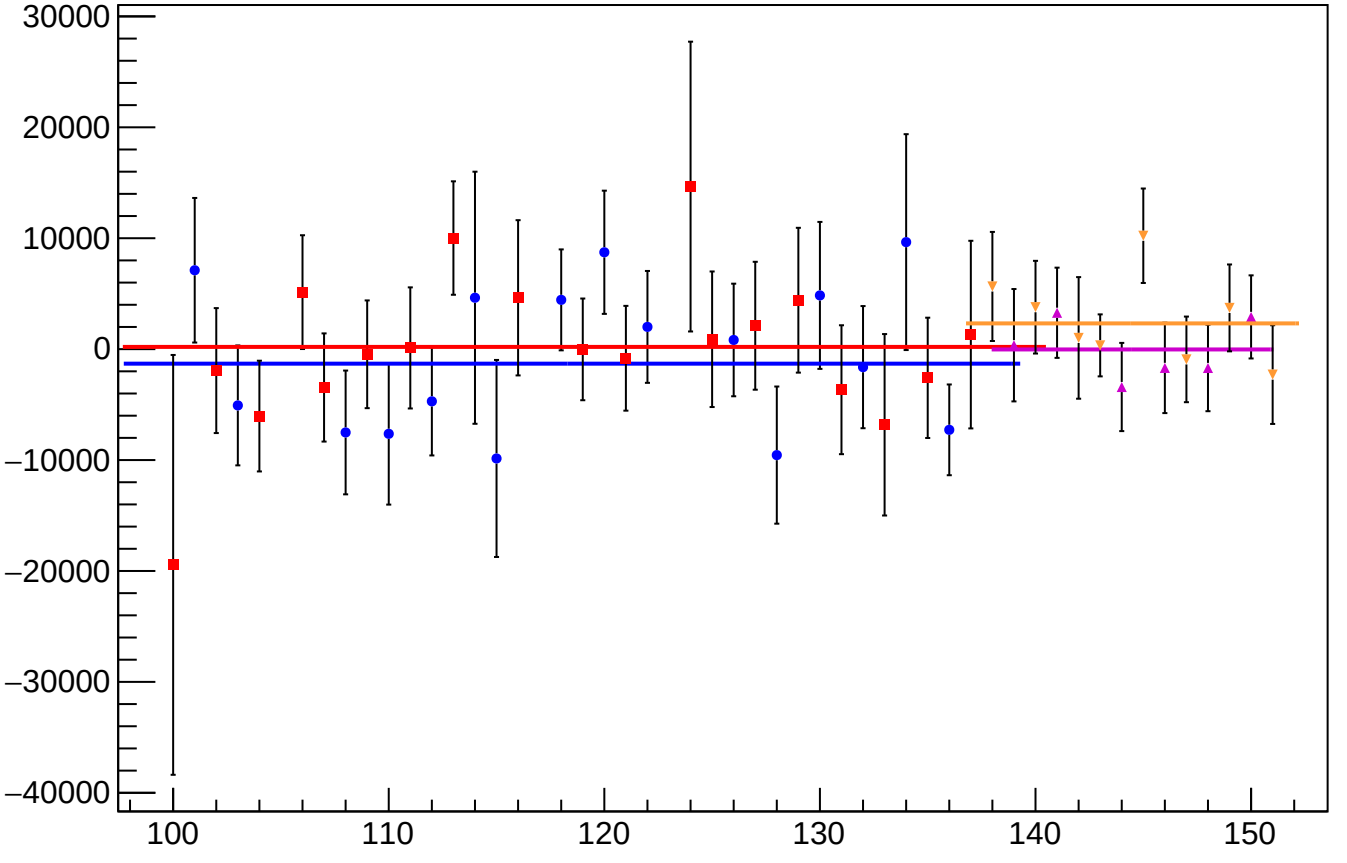
Left In: 3812.121+/-1.182 χ^2/NDF:68526.6/5

+ sign 3468.727+/-0.682 χ^2/NDF: 783100.4/23

All: 3436.277+/-0.485 χ^2/NDF: 1810312.5/48

- sign 3403.127+/-0.689 χ^2/NDF: 1022634.1/24

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 2321.366+/-1417.221 χ^2/NDF:6.5/7

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

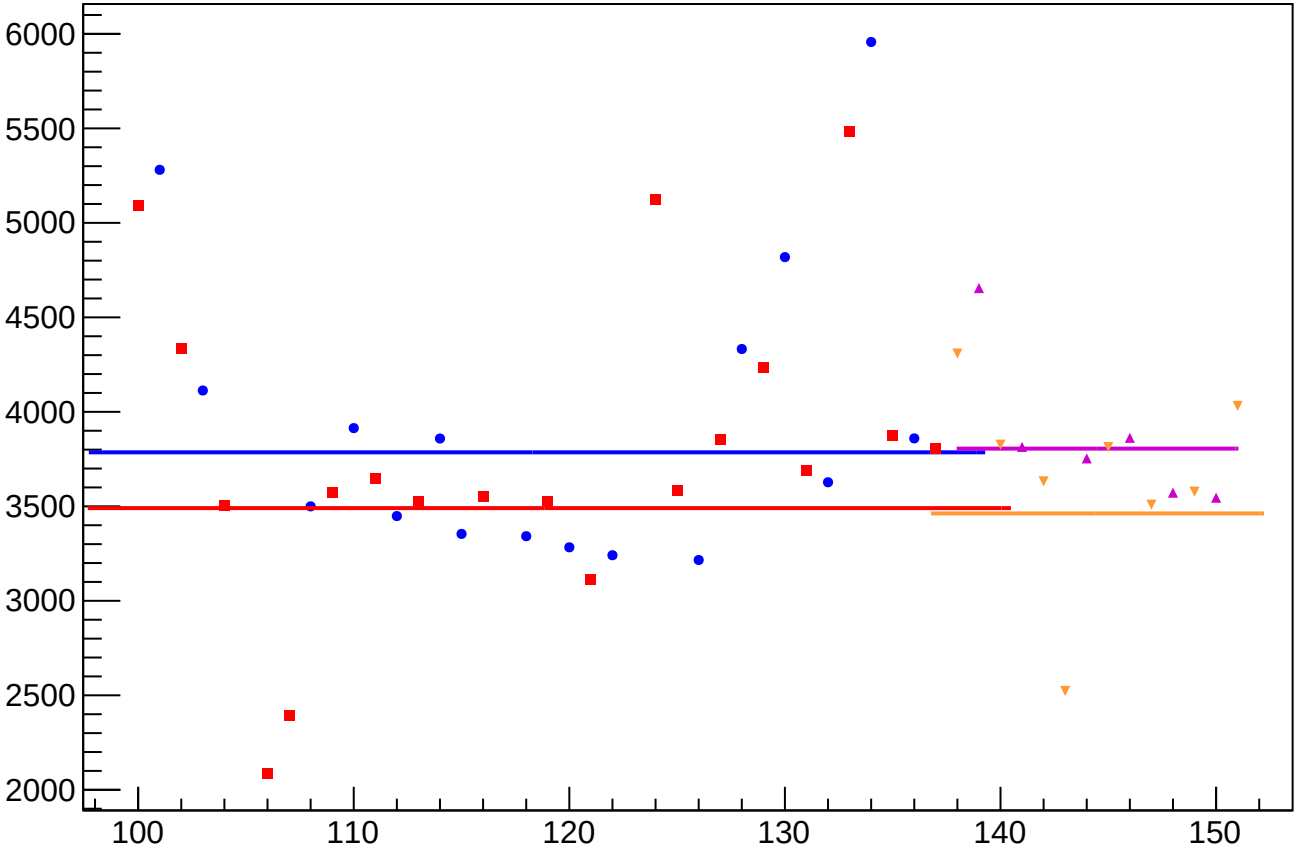
Left In: -27.820+/-1666.900 χ^2/NDF:2.4/5

+ sign 524.364+/-1007.180 χ^2/NDF: 27.3/23

All: 325.220+/-724.353 χ^2/NDF: 41.4/48

- sign 111.858+/-1042.513 χ^2/NDF: 14.0/24

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3462.341+/-1.002 χ^2/NDF:350486.3/7

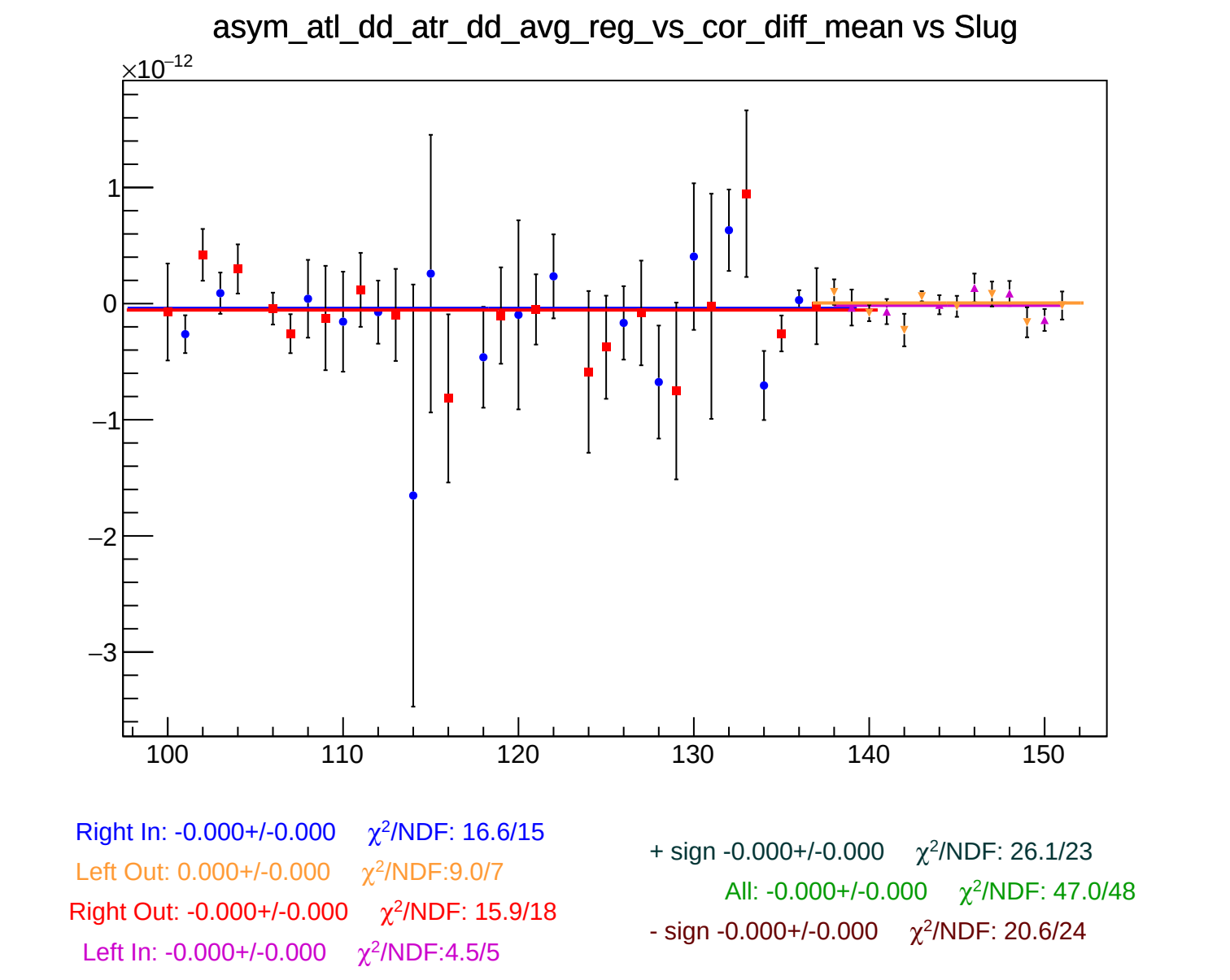
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

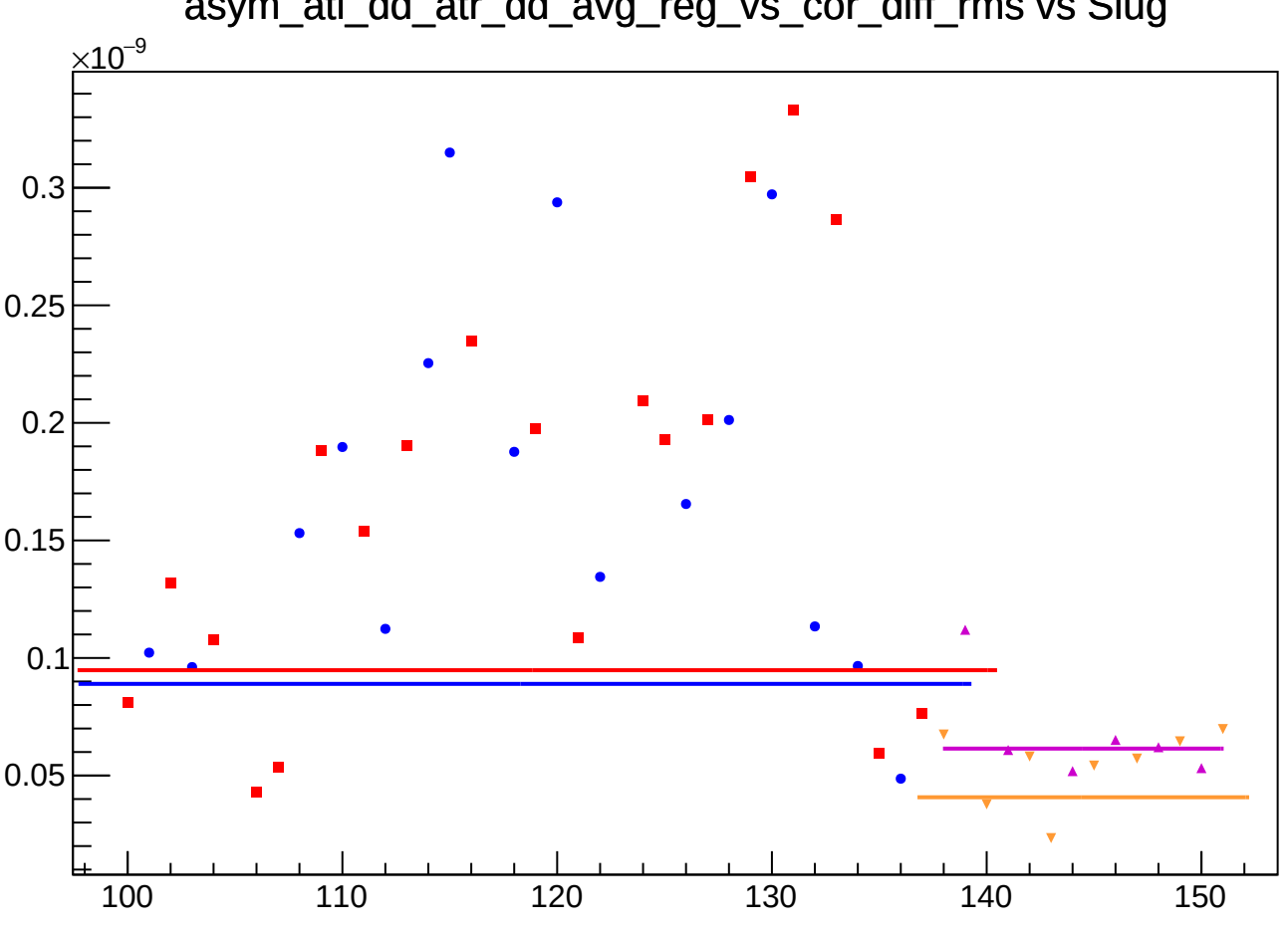
Left In: 3805.447+/-1.179 χ^2/NDF:73749.7/5

+ sign 3622.424+/-0.712 χ^2/NDF: 785035.5/23

All: 3617.206+/-0.510 χ^2/NDF: 1489514.8/48

- sign 3611.709+/-0.731 χ^2/NDF: 704369.1/24


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
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: 0.000+/-0.000 χ²/NDF:9.0/7
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: -0.000+/-0.000 χ²/NDF:4.5/5
+ sign -0.000+/-0.000 χ²/NDF: 26.1/23
All: -0.000+/-0.000 χ²/NDF: 47.0/48
- sign -0.000+/-0.000 χ²/NDF: 20.6/24



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:740129.3/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

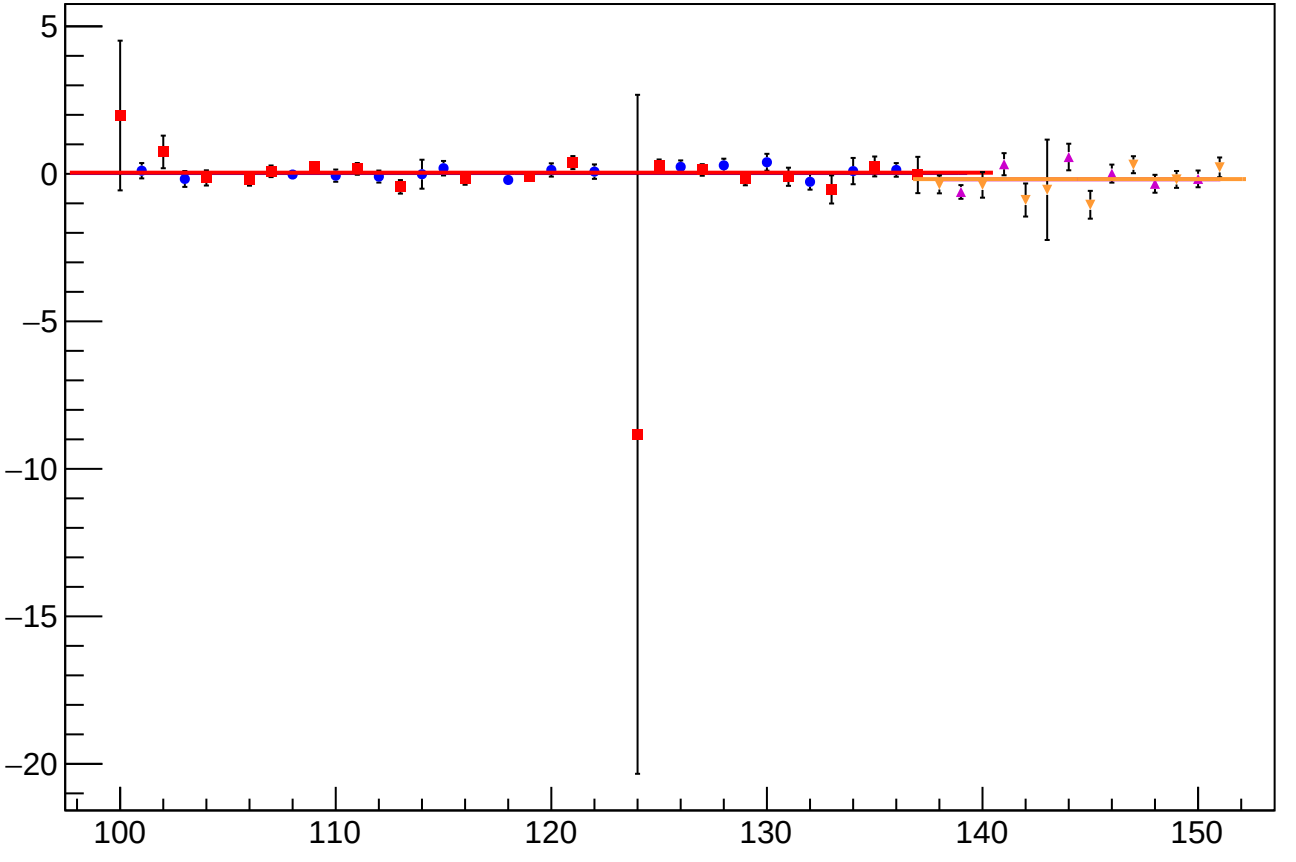
Left In: 0.000+/-0.000 χ^2/NDF:257986.9/5

+ sign 0.000+/-0.000 χ^2/NDF: 3277101.2/23

All: 0.000+/-0.000 χ^2/NDF: 6126519.3/48

- sign 0.000+/-0.000 χ^2/NDF: 2367018.6/24

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: -0.178+/-0.132 χ^2/NDF:9.9/7

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

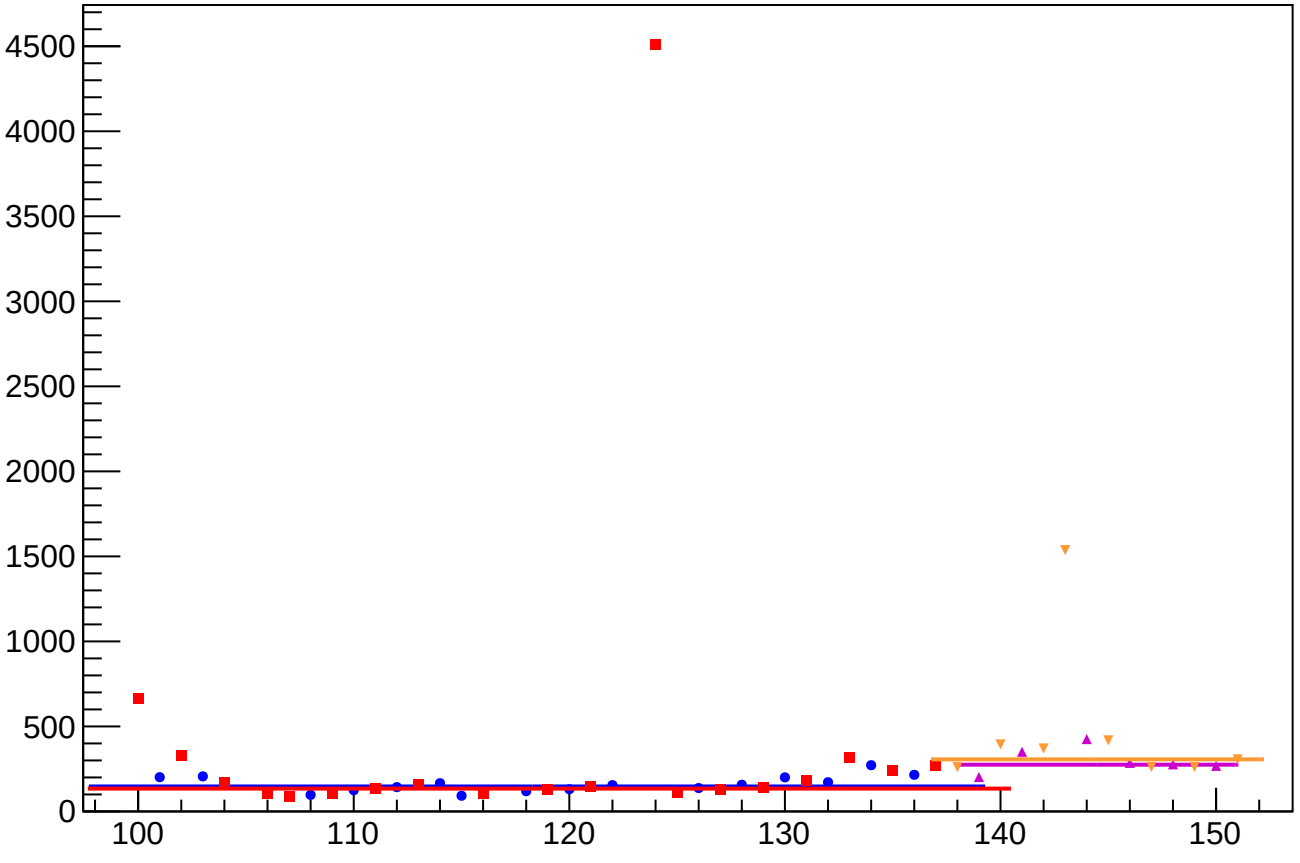
Left In: -0.184+/-0.125 χ^2/NDF:8.7/5

+ sign -0.005+/-0.053 χ^2/NDF: 21.4/23

All: -0.001+/-0.036 χ^2/NDF: 52.8/48

- sign 0.003+/-0.050 χ^2/NDF: 31.4/24

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: 306.407+/-0.093 χ^2/NDF:1411618.5/7

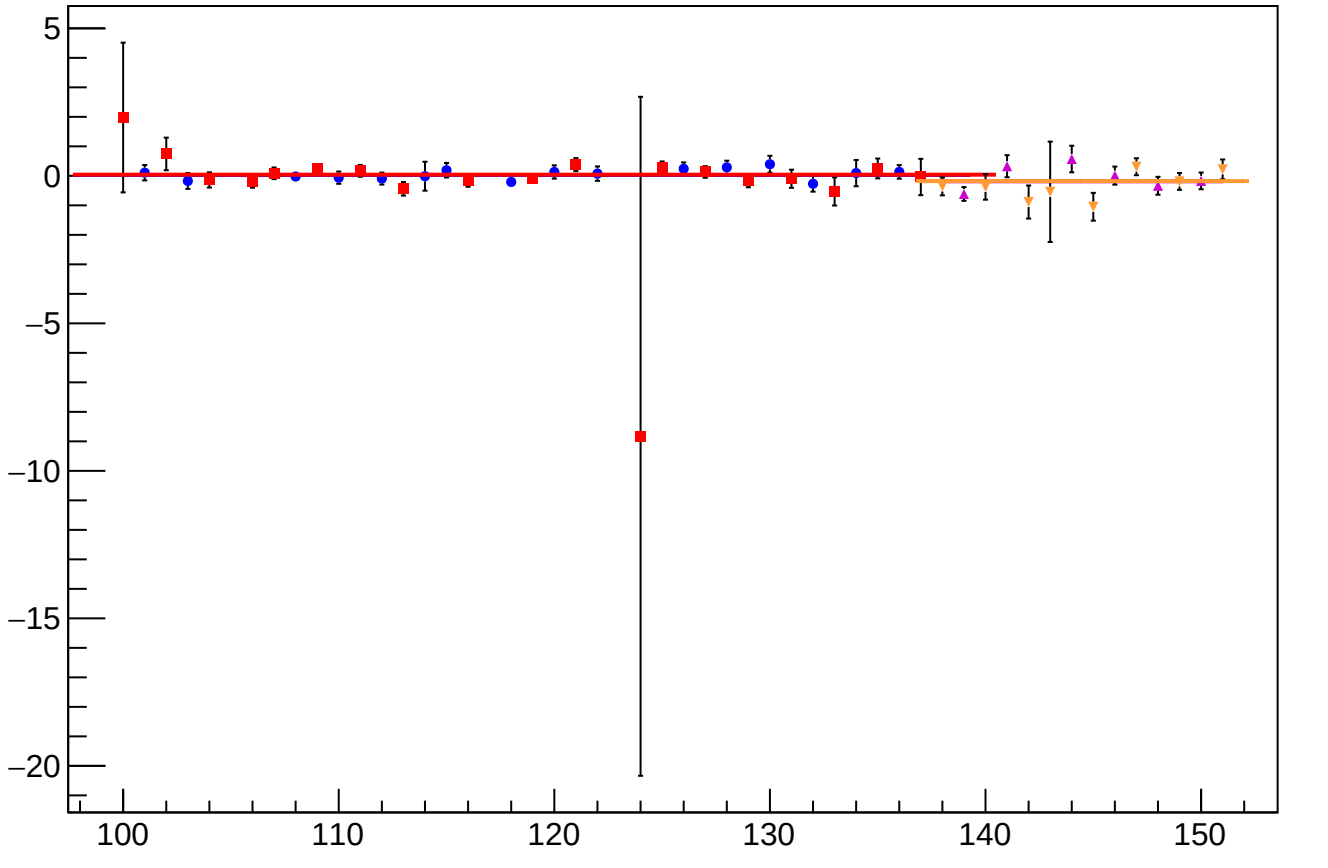
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 274.992+/-0.088 χ^2/NDF:503505.9/5

+ sign 172.462+/-0.037 χ^2/NDF: 4867386.5/23

All: 164.473+/-0.026 χ^2/NDF: 9197143.7/48

- sign 157.285+/-0.035 χ^2/NDF: 4242984.4/24



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.178+/-0.132 χ^2/NDF:9.9/7

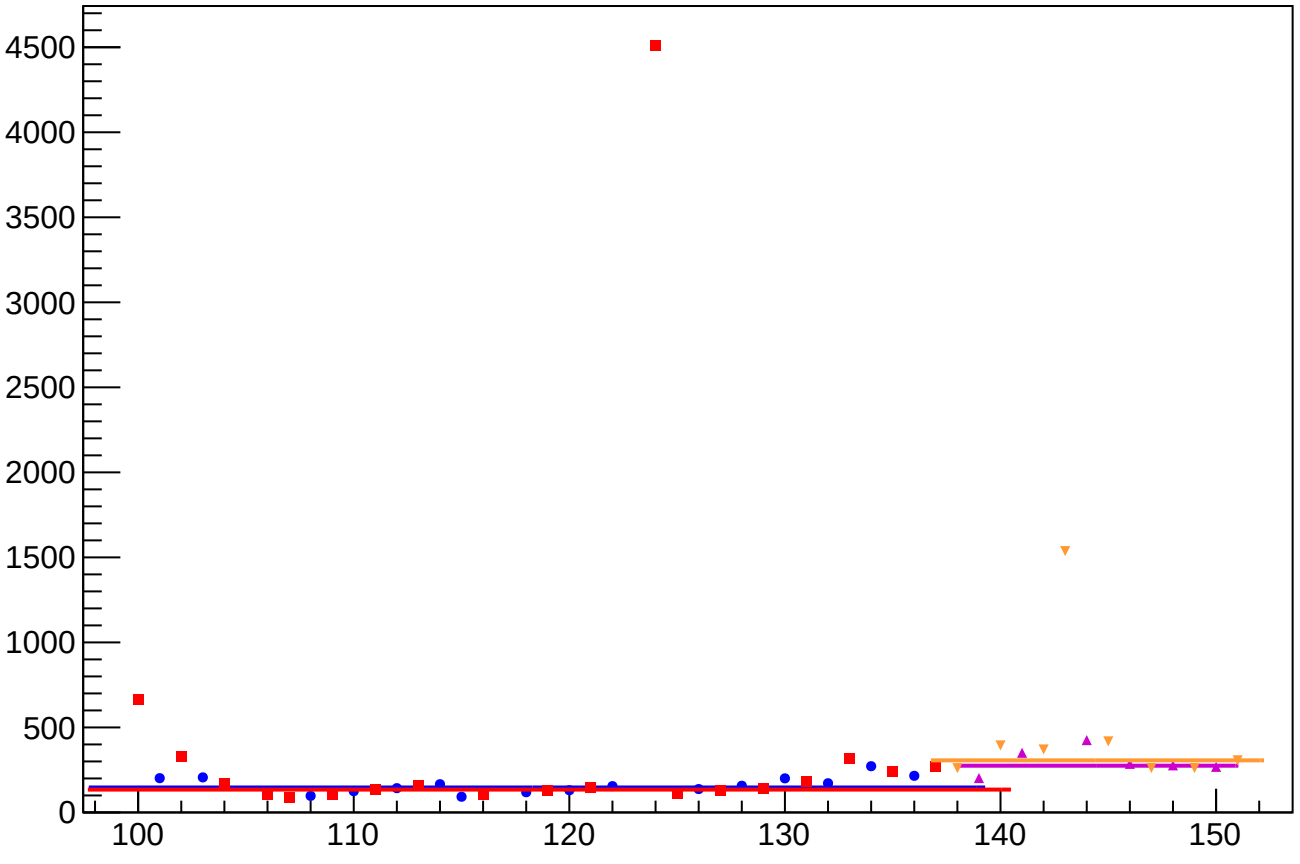
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.184+/-0.125 χ^2/NDF:8.7/5

+ sign -0.005+/-0.053 χ^2/NDF: 21.4/23

All: -0.001+/-0.036 χ^2/NDF: 52.8/48

- sign 0.003+/-0.050 χ^2/NDF: 31.4/24



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 306.407+/-0.093 χ^2/NDF:1411618.5/7

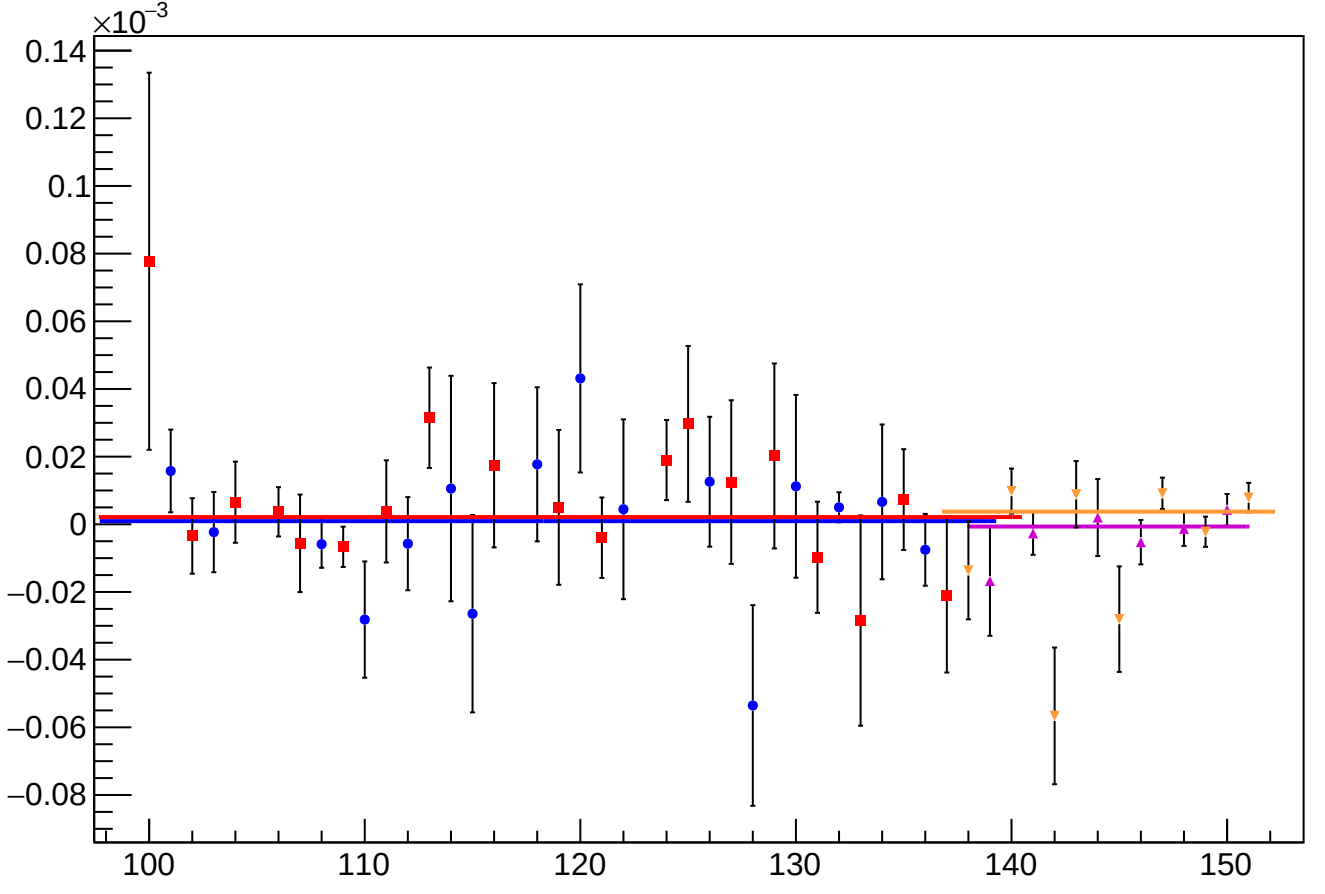
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 274.992+/-0.088 χ^2/NDF:503505.9/5

+ sign 172.462+/-0.037 χ^2/NDF: 4867386.5/23

All: 164.473+/-0.026 χ^2/NDF: 9197143.7/48

- sign 157.285+/-0.035 χ^2/NDF: 4242984.4/24



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/7

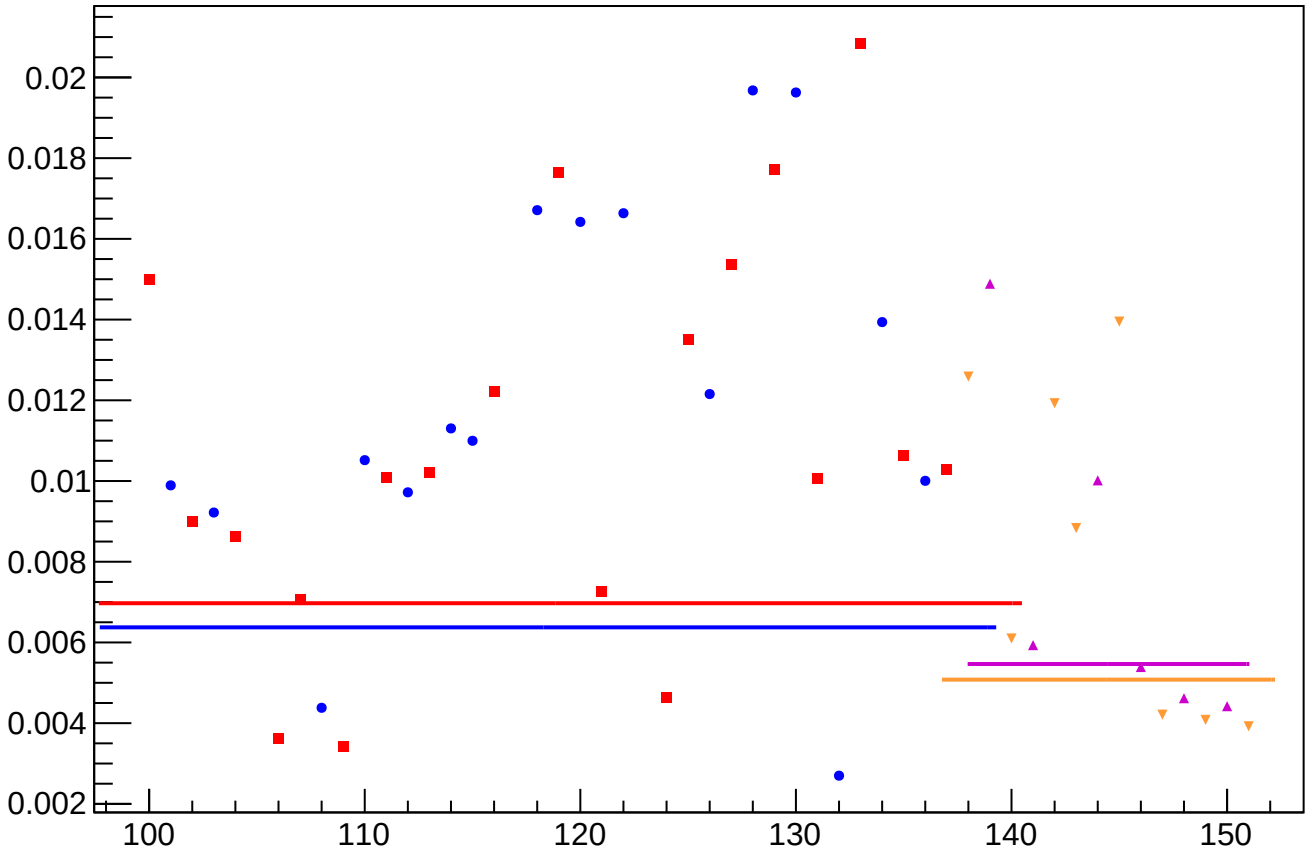
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:2.8/5

+ sign 0.000+/-0.000 χ^2/NDF: 35.1/23

All: 0.000+/-0.000 χ^2/NDF: 55.1/48

- sign 0.000+/-0.000 χ^2/NDF: 19.3/24



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:2067666.8/7

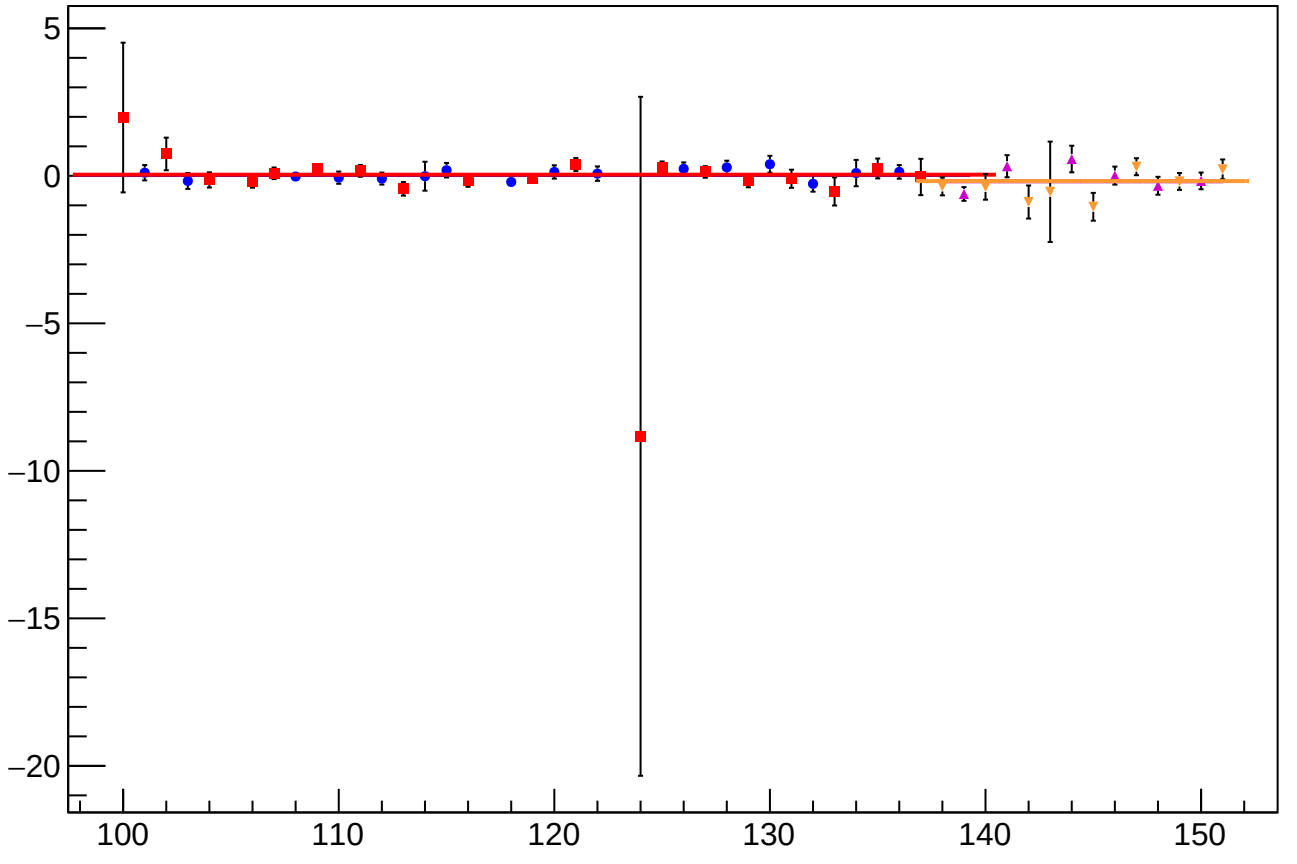
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:1164361.1/5

+ sign 0.006+/-0.000 χ^2/NDF: 6951953.1/23

All: 0.006+/-0.000 χ^2/NDF: 11894675.5/48

- sign 0.006+/-0.000 χ^2/NDF: 4857972.0/24



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.178+/-0.132 χ^2/NDF:9.9/7

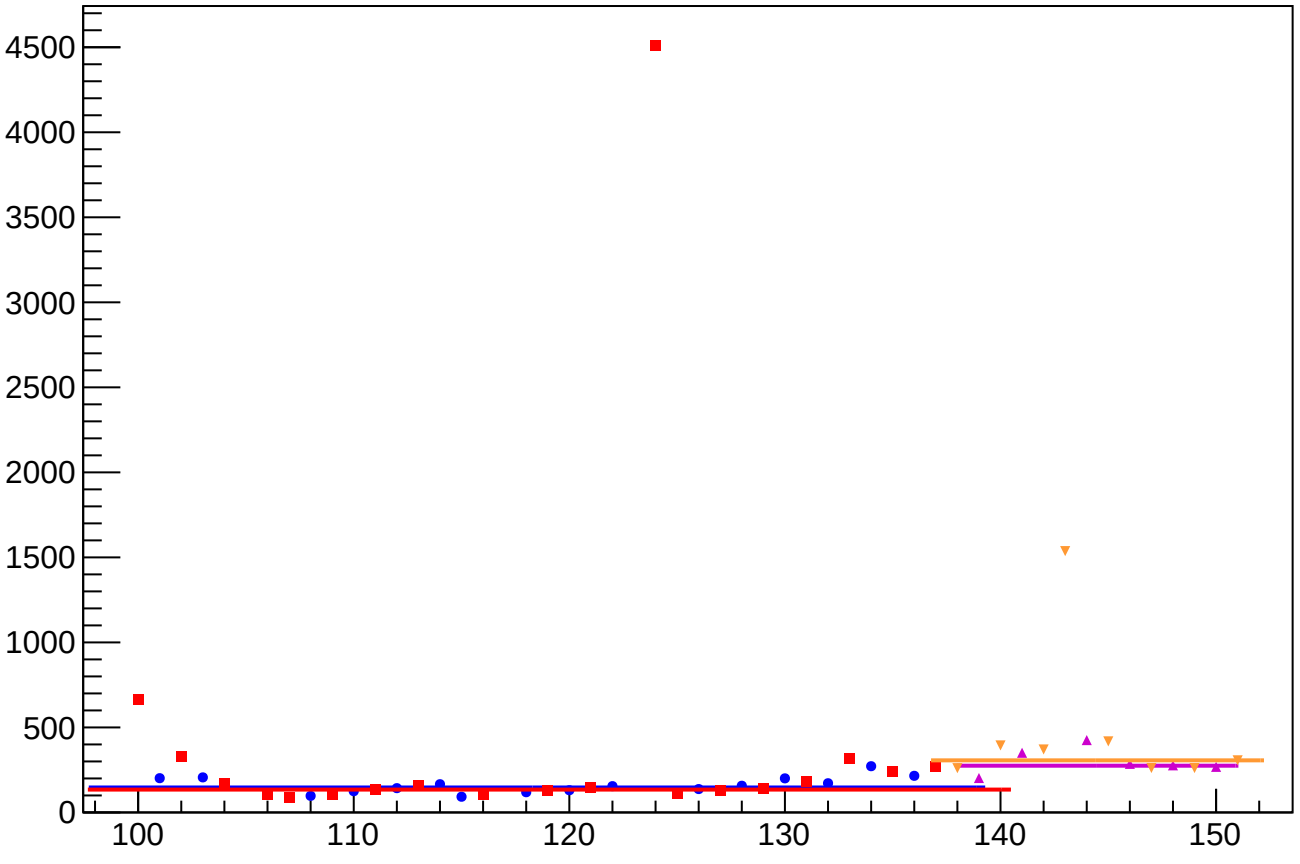
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.184+/-0.125 χ^2/NDF:8.7/5

+ sign -0.005+/-0.053 χ^2/NDF: 21.4/23

All: -0.001+/-0.036 χ^2/NDF: 52.8/48

- sign 0.003+/-0.050 χ^2/NDF: 31.4/24



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 306.410+/-0.093 χ^2/NDF:1411617.0/7

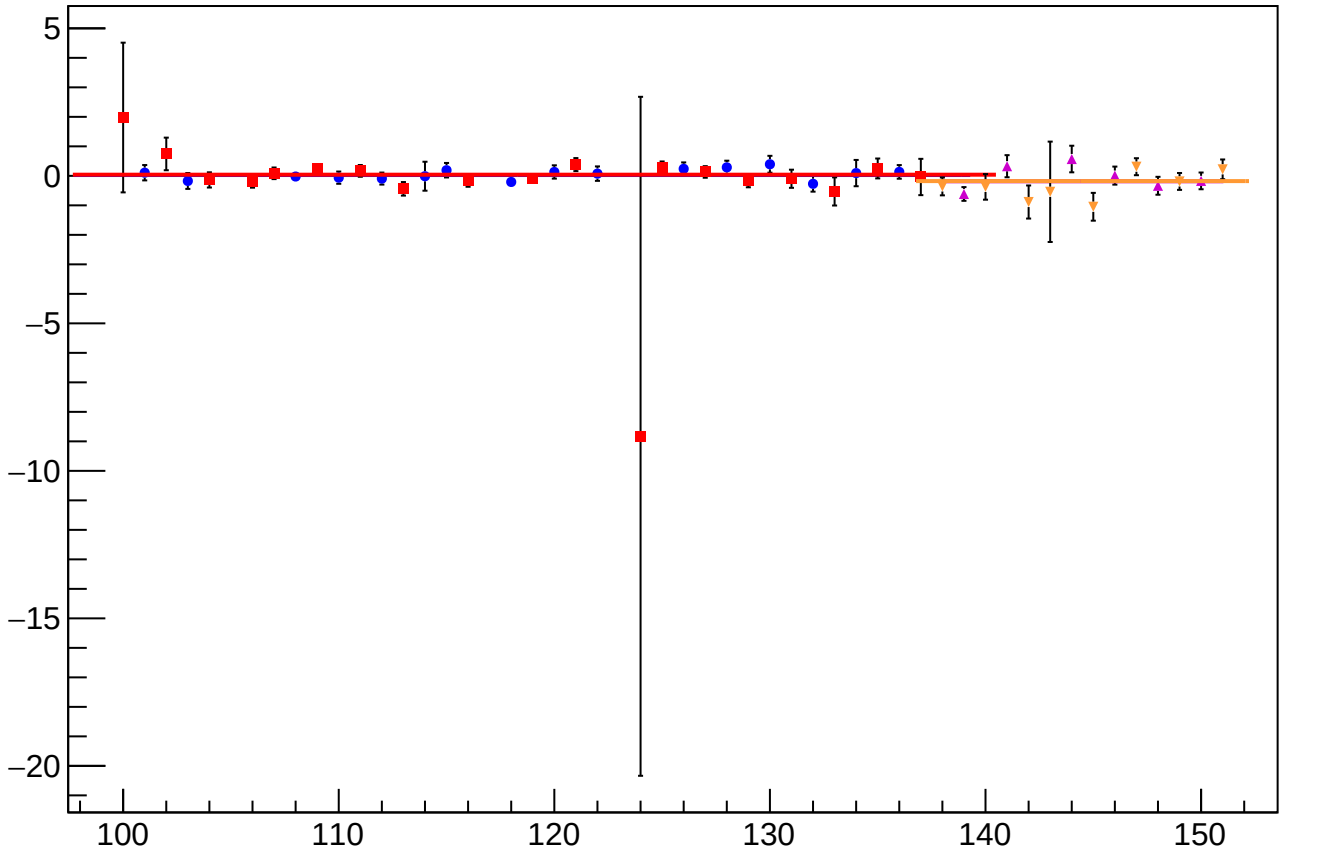
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 274.996+/-0.088 χ^2/NDF:503488.5/5

+ sign 172.462+/-0.037 χ^2/NDF: 4867385.2/23

All: 164.474+/-0.026 χ^2/NDF: 9197062.1/48

- sign 157.287+/-0.035 χ^2/NDF: 4242921.8/24



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.178+/-0.132 χ^2/NDF:9.9/7

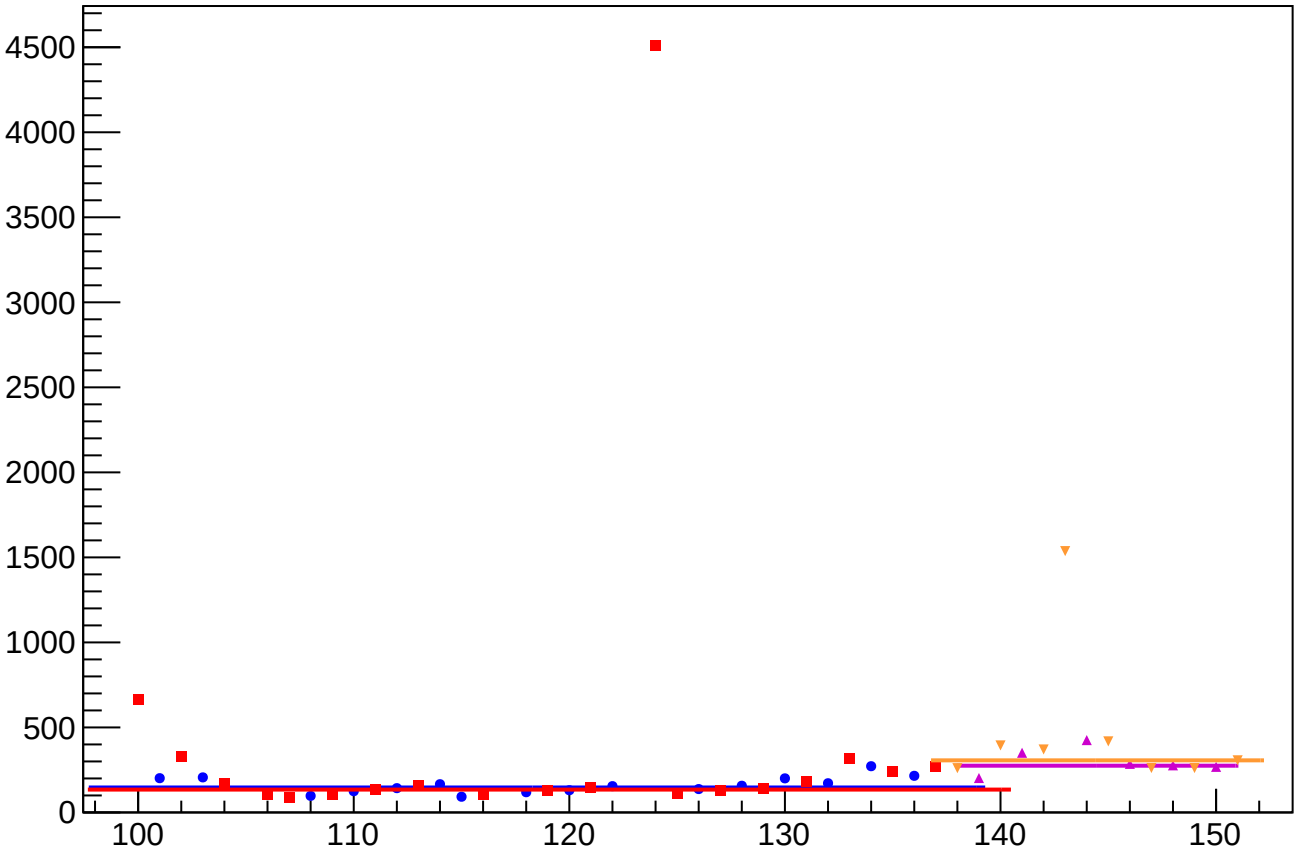
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.184+/-0.125 χ^2/NDF:8.7/5

+ sign -0.005+/-0.053 χ^2/NDF: 21.4/23

All: -0.001+/-0.036 χ^2/NDF: 52.8/48

- sign 0.003+/-0.050 χ^2/NDF: 31.4/24



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 306.410+/-0.093 χ^2/NDF:1411617.0/7

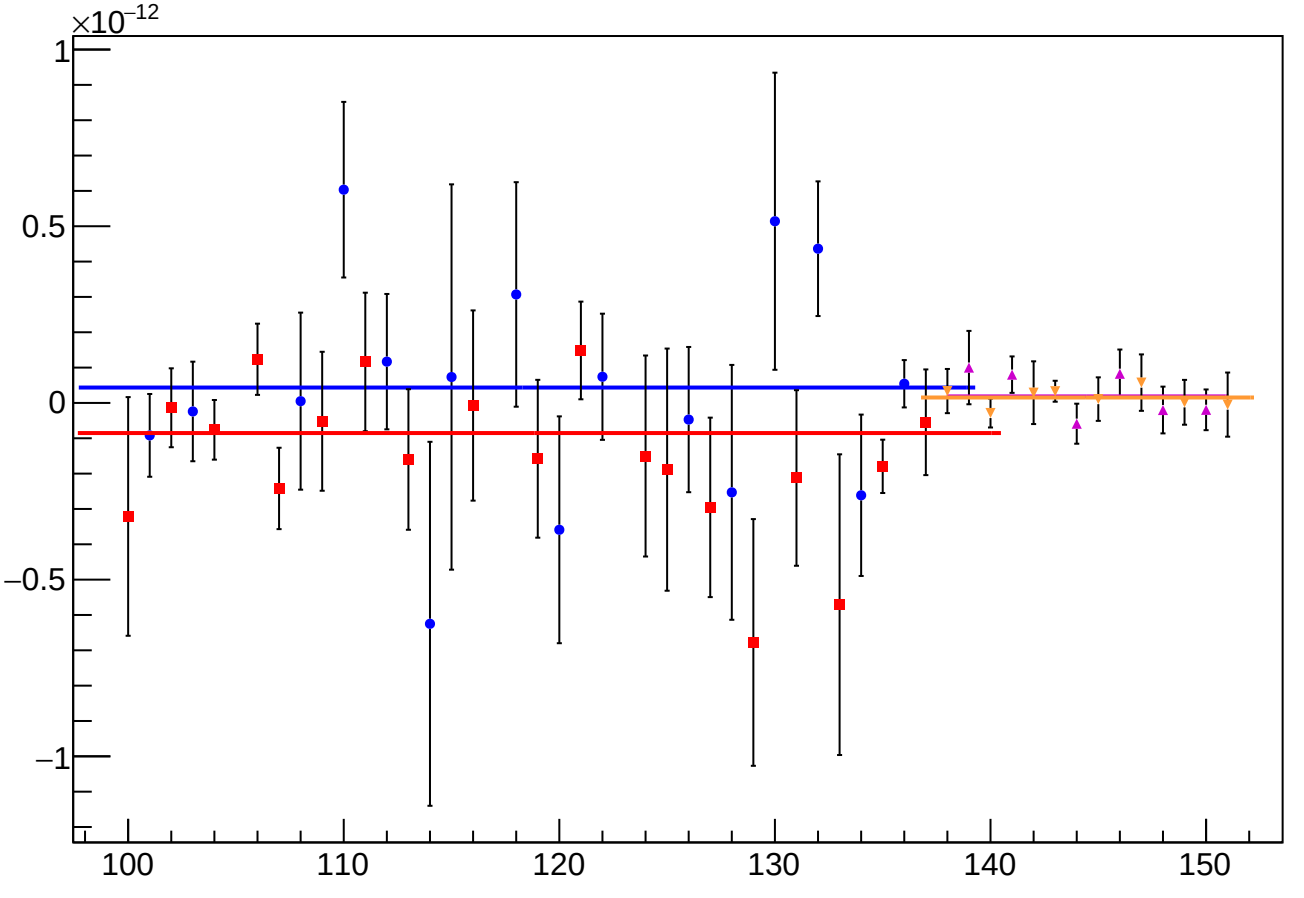
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 274.996+/-0.088 χ^2/NDF:503488.5/5

+ sign 172.462+/-0.037 χ^2/NDF: 4867385.2/23

All: 164.474+/-0.026 χ^2/NDF: 9197062.1/48

- sign 157.287+/-0.035 χ^2/NDF: 4242921.8/24



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.0/7

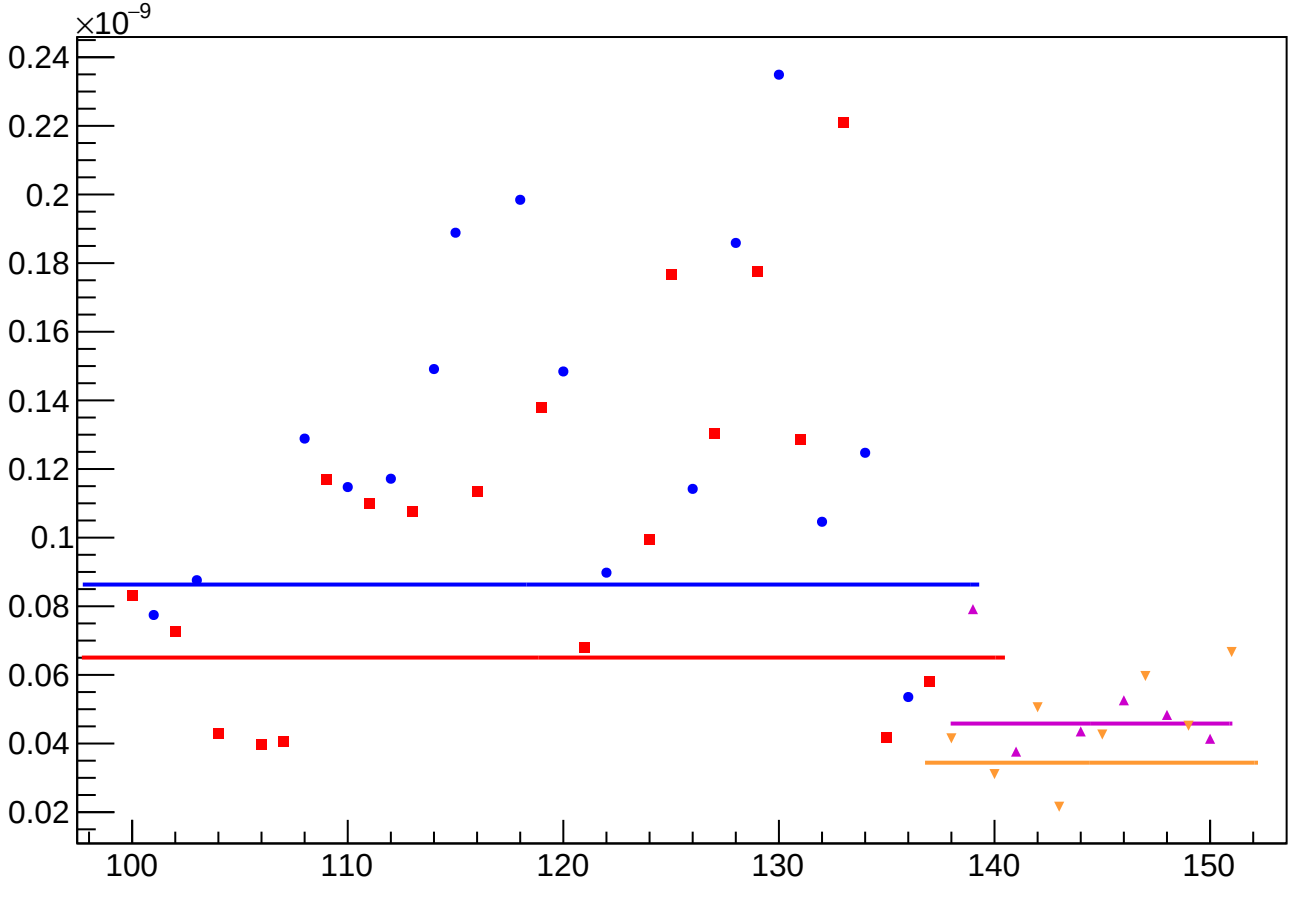
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:5.6/5

+ sign 0.000+/-0.000 χ^2/NDF: 21.3/23

All: 0.000+/-0.000 χ^2/NDF: 53.1/48

- sign -0.000+/-0.000 χ^2/NDF: 29.6/24



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1026181.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

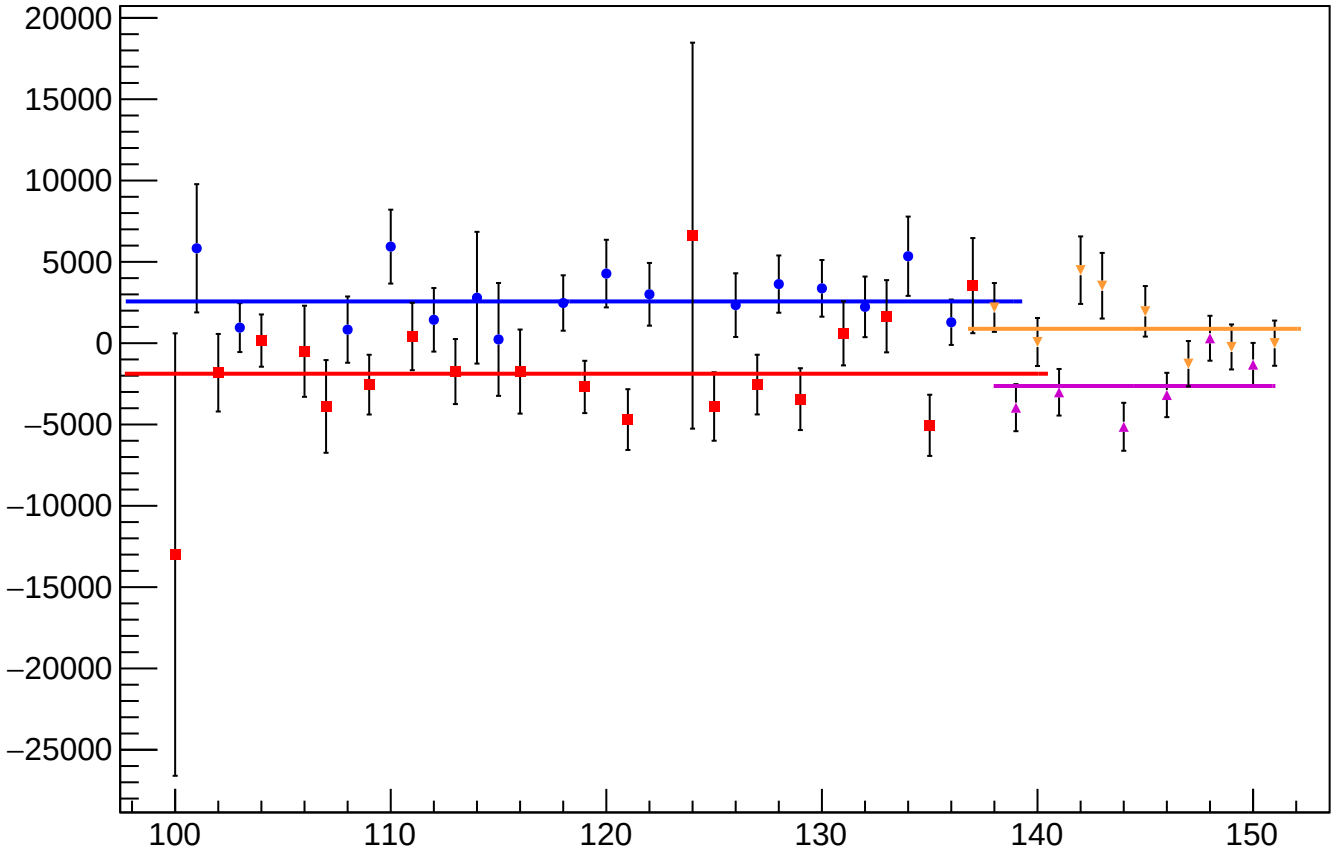
Left In: 0.000+/-0.000 χ^2/NDF:294185.6/5

+ sign 0.000+/-0.000 χ^2/NDF: 5075363.8/23

All: 0.000+/-0.000 χ^2/NDF: 8219396.9/48

- sign 0.000+/-0.000 χ^2/NDF: 2857803.2/24

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 883.946+/-546.481 χ^2/NDF:9.7/7

Right Out: -1878.030+/-494.719 χ^2/NDF: 19.5/18

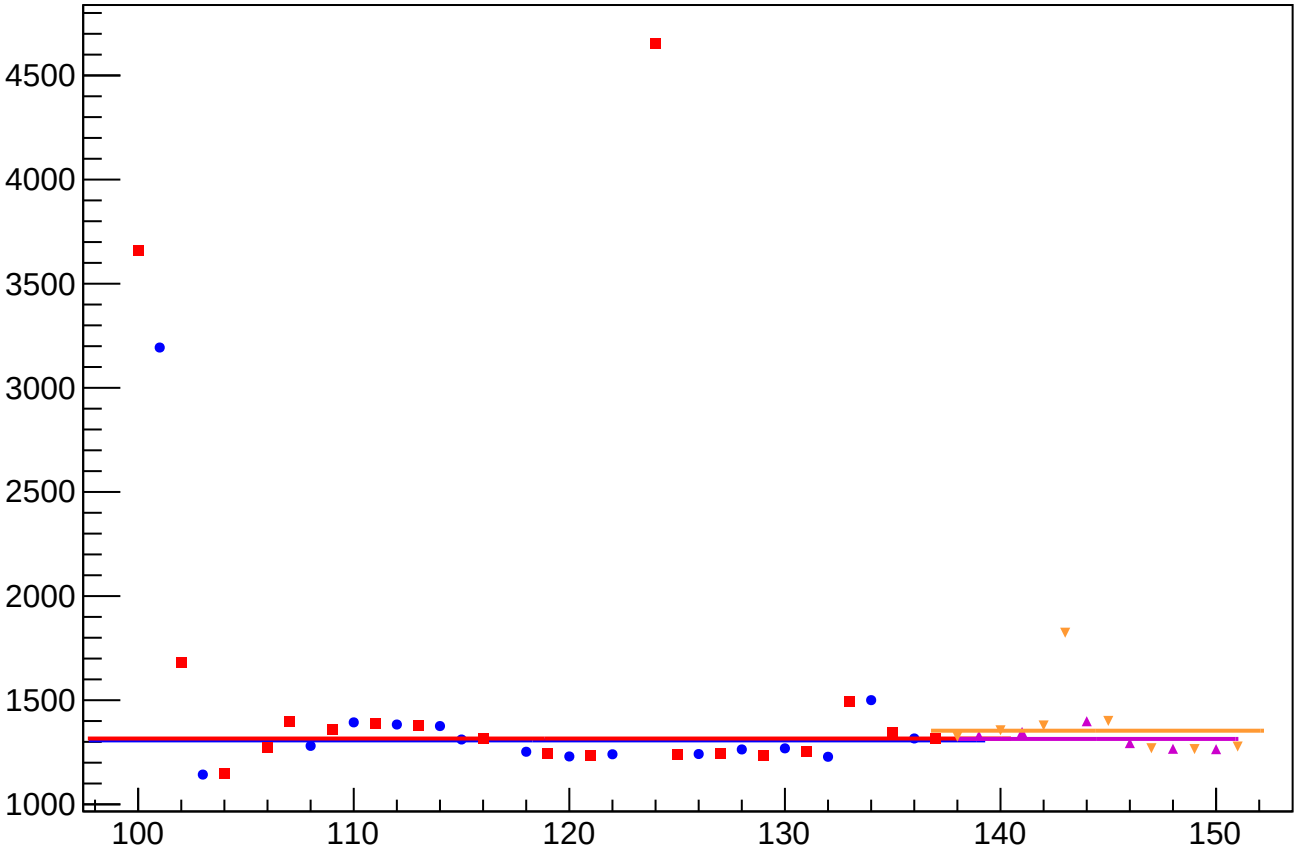
Left In: -2632.396+/-572.722 χ^2/NDF:9.5/5

+ sign 1808.104+/-367.020 χ^2/NDF: 24.0/23

All: -156.326+/-262.087 χ^2/NDF: 112.4/48

- sign -2200.380+/-374.384 χ^2/NDF: 30.0/24

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1353.586+/-0.386 χ^2/NDF:132870.4/7

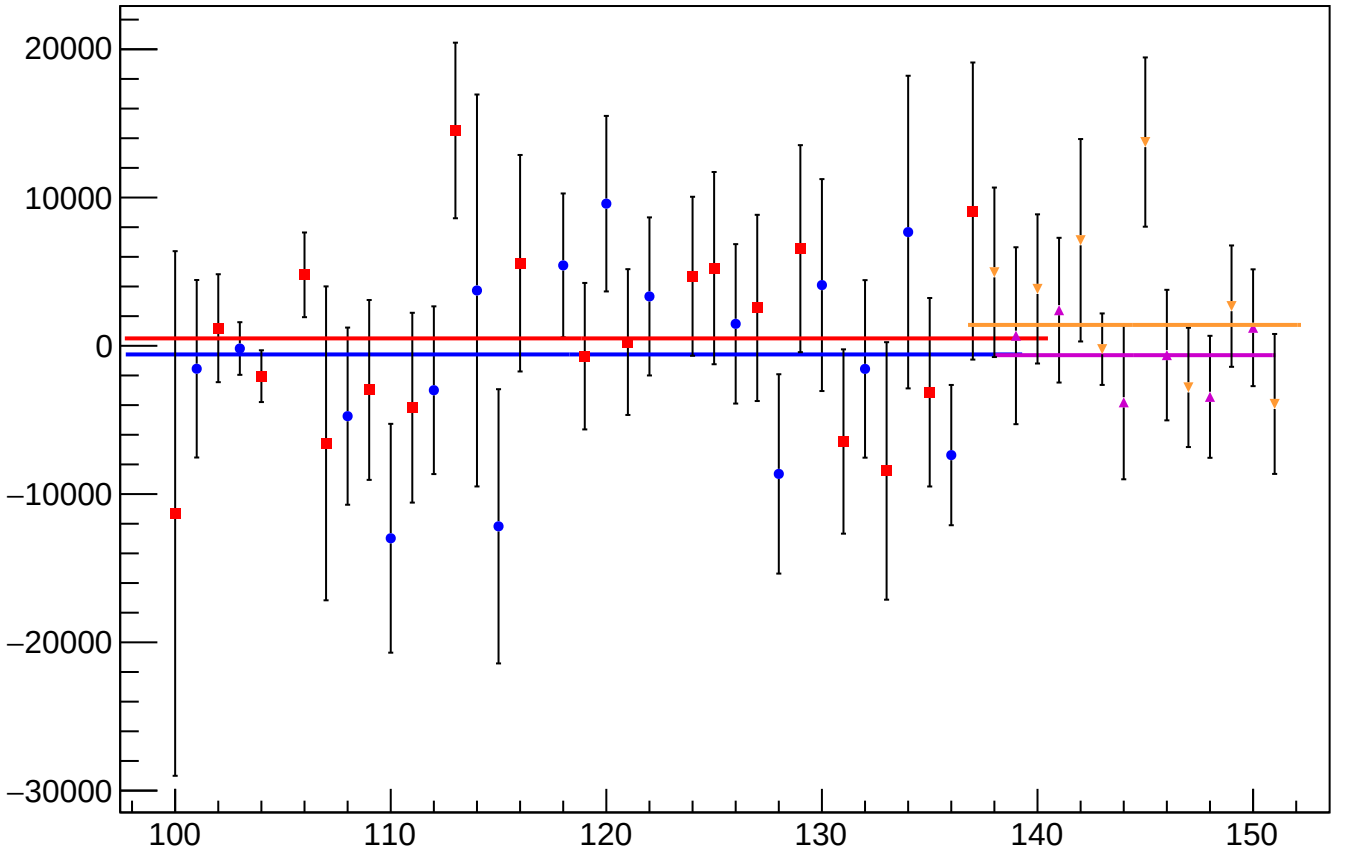
Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1314.073+/-0.405 χ^2/NDF:13445.9/5

+ sign 1328.050+/-0.260 χ^2/NDF: 657074.8/23

All: 1321.732+/-0.185 χ^2/NDF: 998161.2/48

- sign 1315.178+/-0.264 χ^2/NDF: 339878.9/24



Right In: -581.790+/-1192.862 χ^2/NDF: 14.7/15

Left Out: 1409.211+/-1473.261 χ^2/NDF:8.9/7

Right Out: 500.098+/-1055.434 χ^2/NDF: 17.7/18

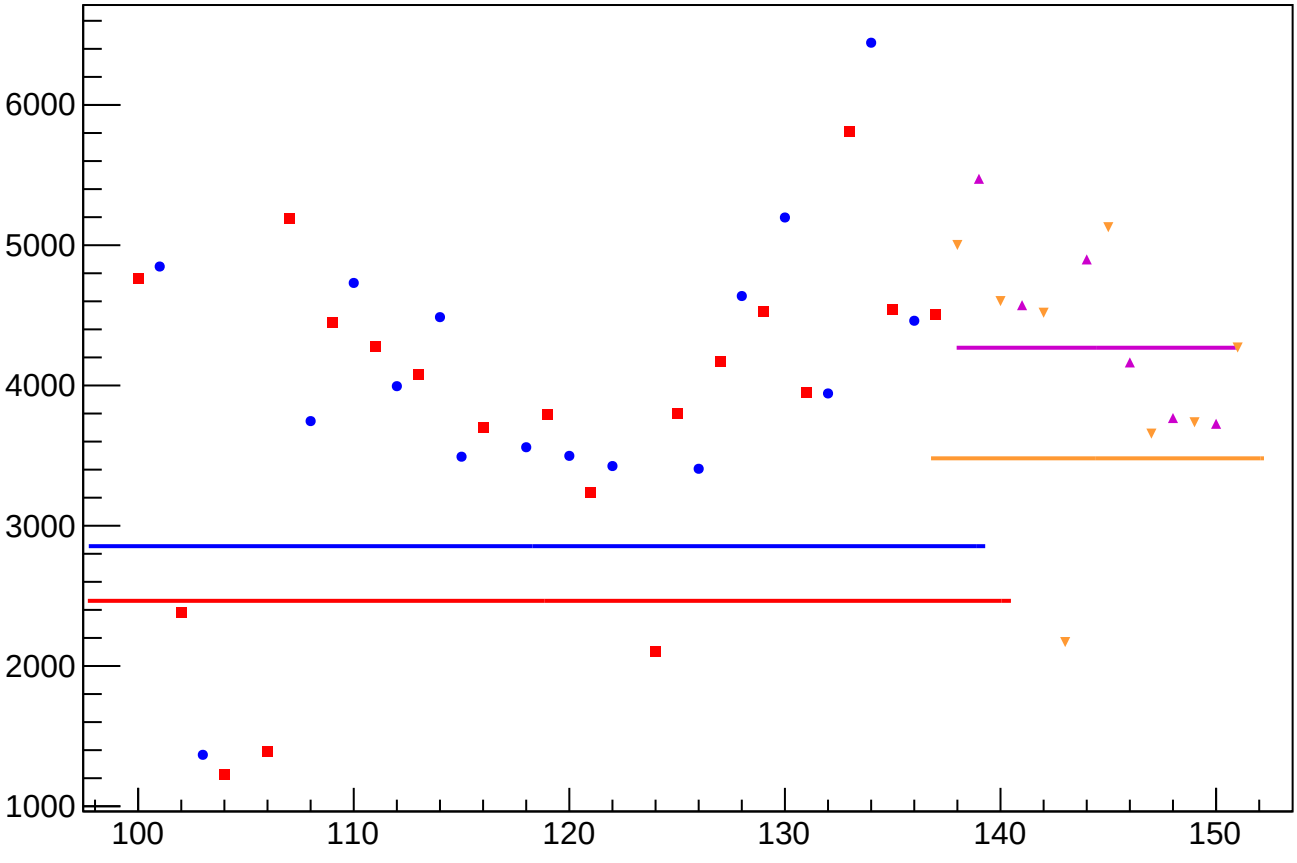
Left In: -631.700+/-1882.143 χ^2/NDF:1.5/5

\+ sign 206.605+/-927.078 χ^2/NDF: 24.8/23

All: 218.053+/-653.231 χ^2/NDF: 44.2/48

\- sign 229.341+/-920.573 χ^2/NDF: 19.5/24

asym_atl_avg_atr_avg_avg_reg_correction_rms vs Slug



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 3480.578+/-1.042 χ^2/NDF:1112165.1/7

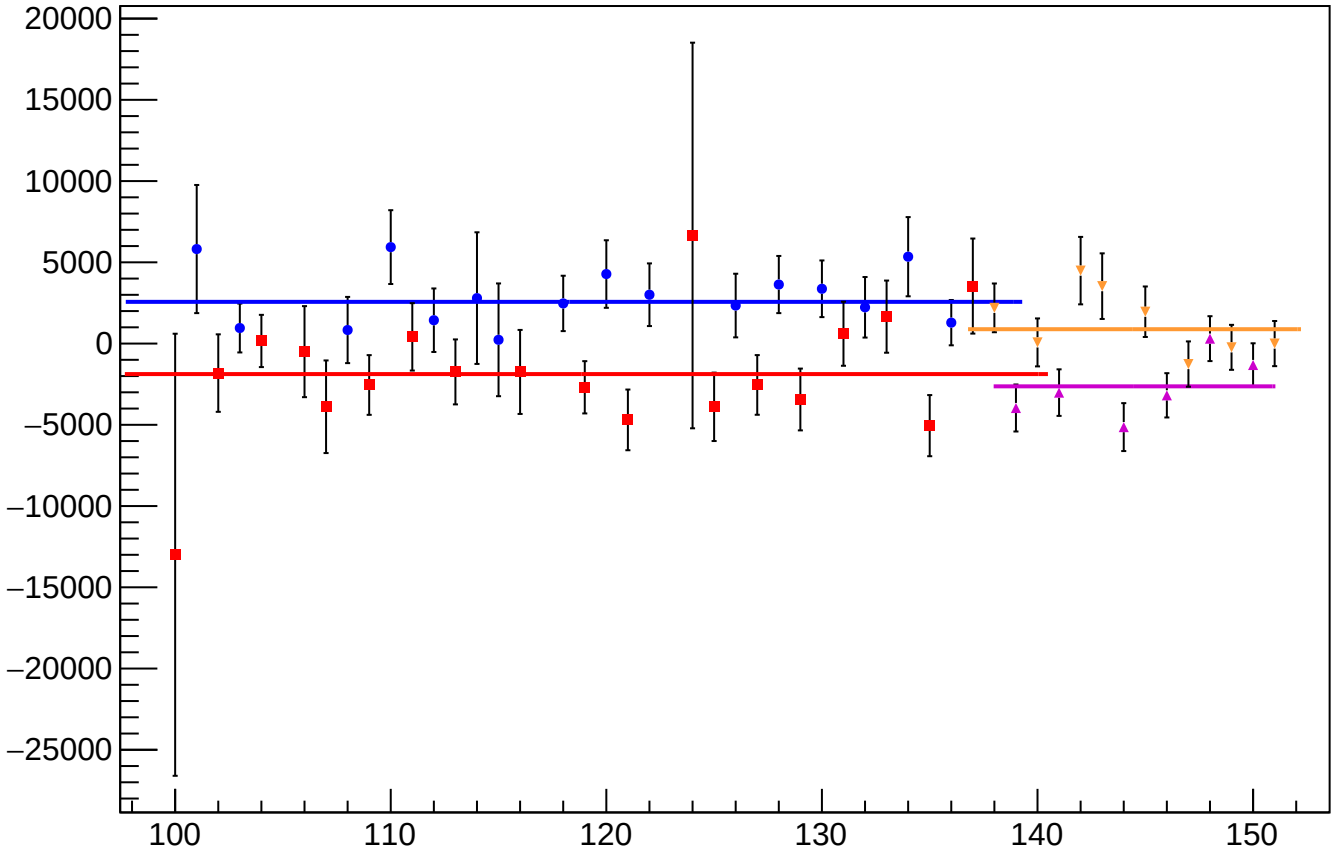
Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

Left In: 4269.082+/-1.331 χ^2/NDF:187363.1/5

\+ sign 3102.293+/-0.656 χ^2/NDF: 4235289.0/23

All: 2998.560+/-0.462 χ^2/NDF: 9226910.5/48

\- sign 2896.277+/-0.651 χ^2/NDF: 4941891.7/24



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 883.858+/-546.481 χ^2/NDF:9.7/7

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

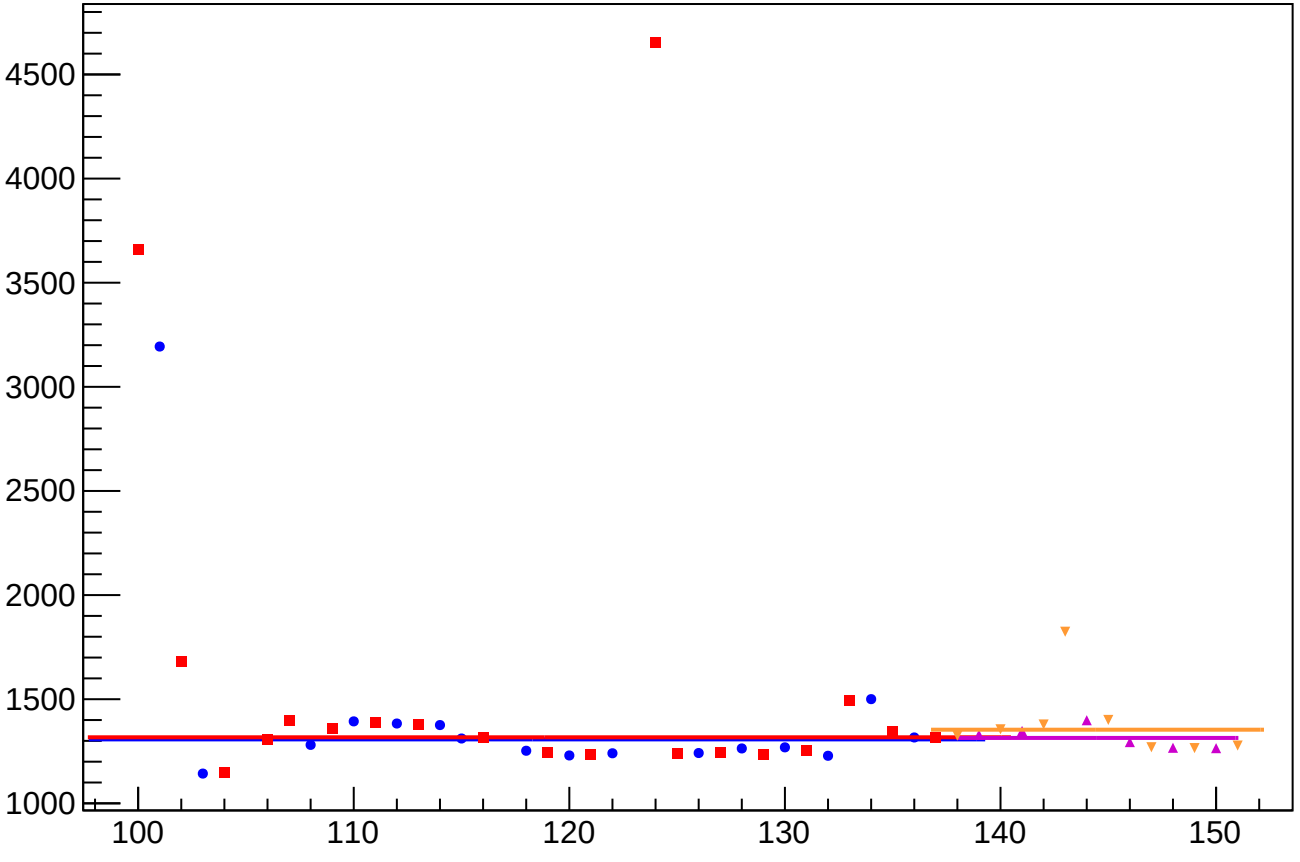
Left In: -2632.600+/-572.722 χ^2/NDF:9.5/5

+ sign 1807.910+/-367.020 χ^2/NDF: 24.0/23

All: -156.395+/-262.087 χ^2/NDF: 112.4/48

- sign -2200.321+/-374.384 χ^2/NDF: 30.0/24

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1353.586+/-0.386 χ^2/NDF:132870.4/7

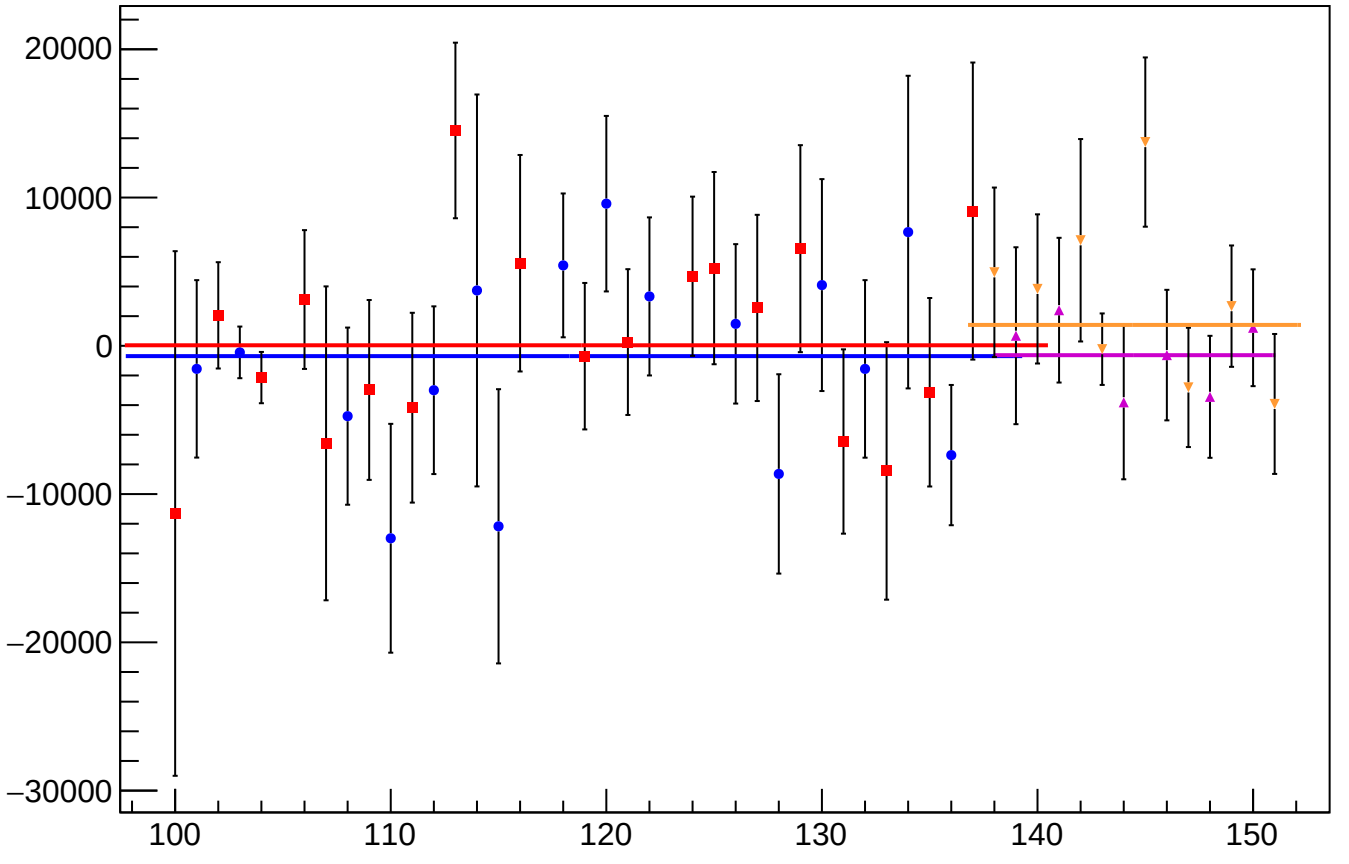
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1314.073+/-0.405 χ^2/NDF:13445.9/5

+ sign 1328.050+/-0.260 χ^2/NDF: 657076.4/23

All: 1322.053+/-0.185 χ^2/NDF: 997570.3/48

- sign 1315.825+/-0.264 χ^2/NDF: 339405.3/24



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: 1409.156+/-1473.253 χ^2/NDF:8.9/7

Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

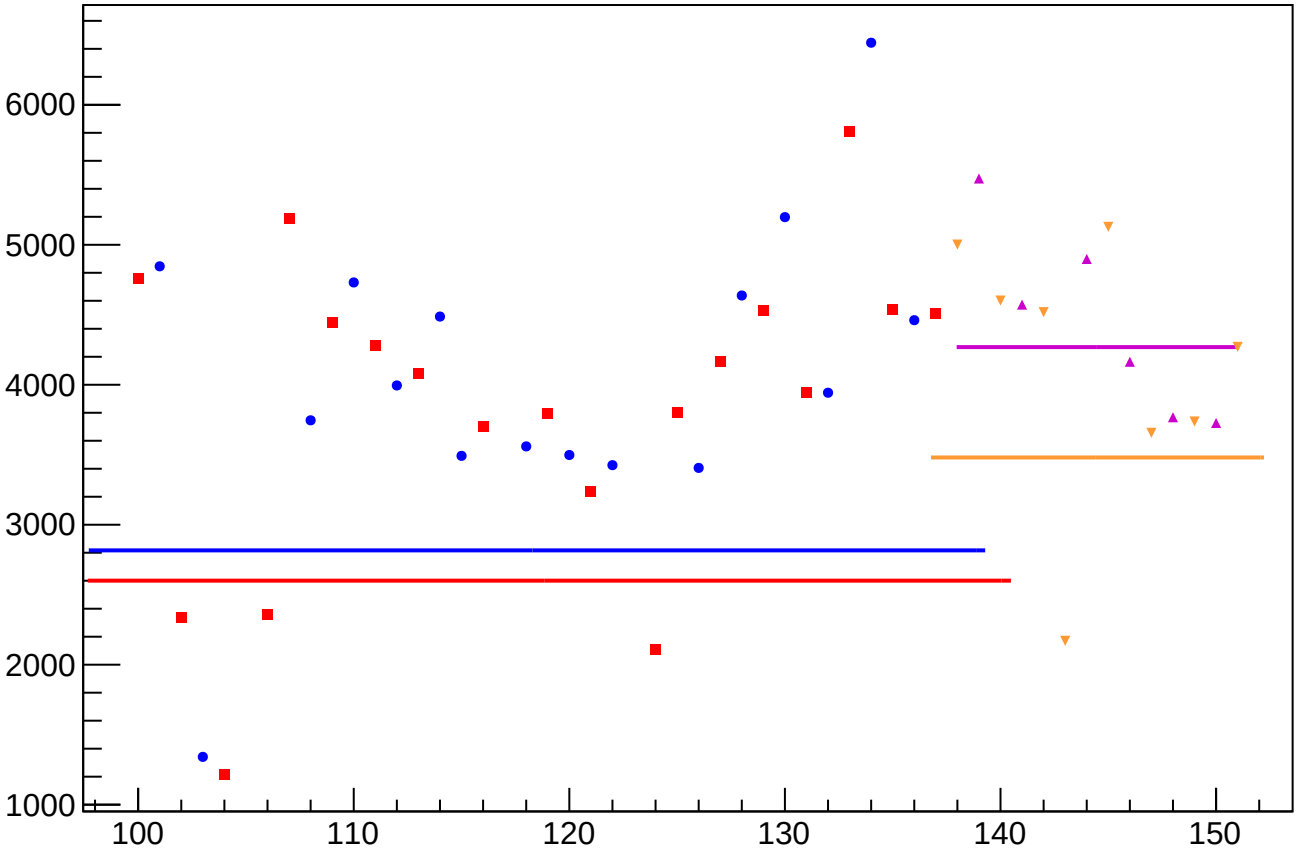
Left In: -631.769+/-1882.142 χ^2/NDF:1.5/5

+ sign 129.234+/-922.154 χ^2/NDF: 24.8/23

All: 1.564+/-661.194 χ^2/NDF: 42.4/48

- sign -133.519+/-948.544 χ^2/NDF: 17.5/24

asym_atl_avg_atr_avg_avg_cor_correction_rms vs Slug



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 3480.552+/-1.042 χ^2/NDF:1112201.1/7

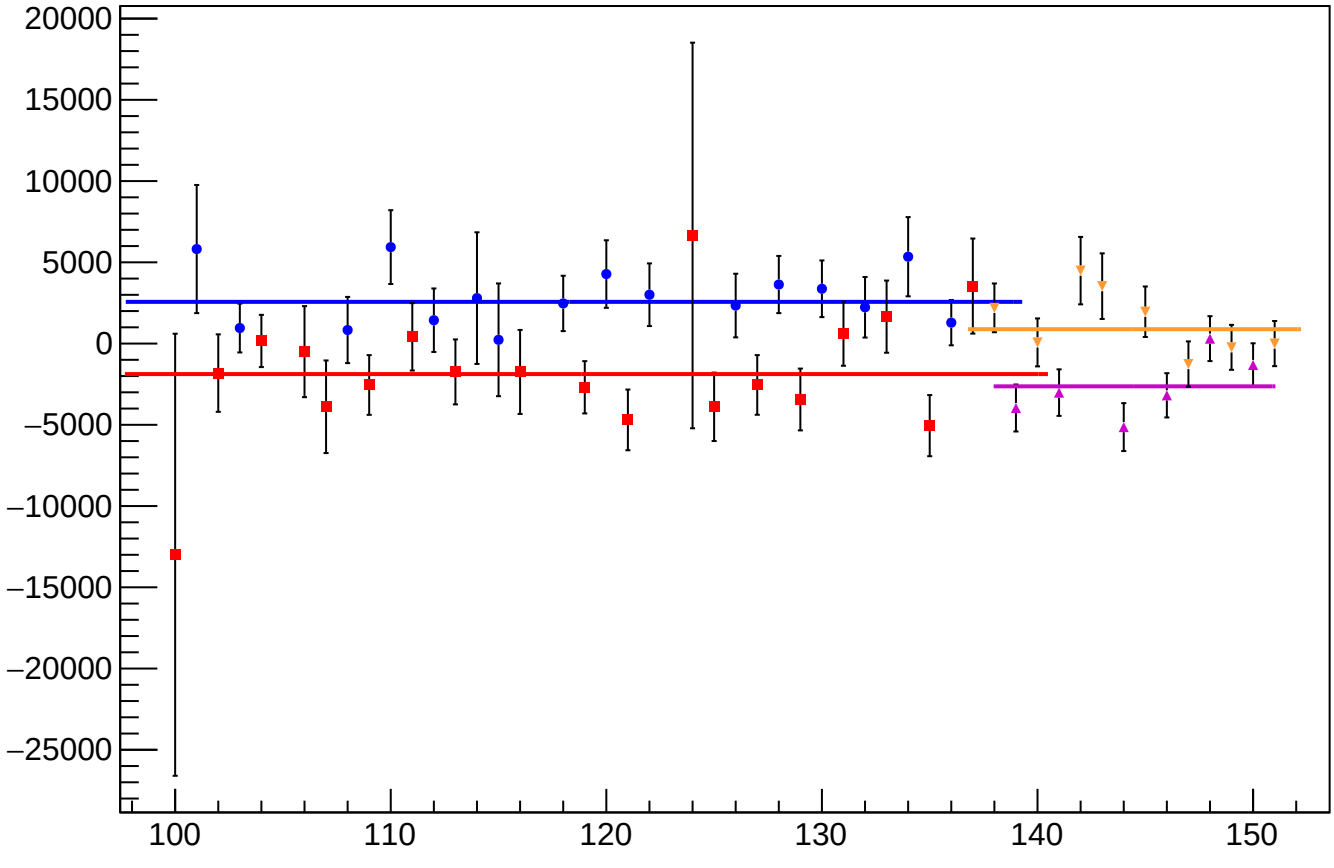
Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4269.080+/-1.331 χ^2/NDF:187363.8/5

+ sign 3076.841+/-0.652 χ^2/NDF: 4366694.7/23

All: 3051.319+/-0.468 χ^2/NDF: 8810592.9/48

- sign 3024.314+/-0.671 χ^2/NDF: 4440745.2/24



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 883.858+/-546.481 χ^2/NDF:9.7/7

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

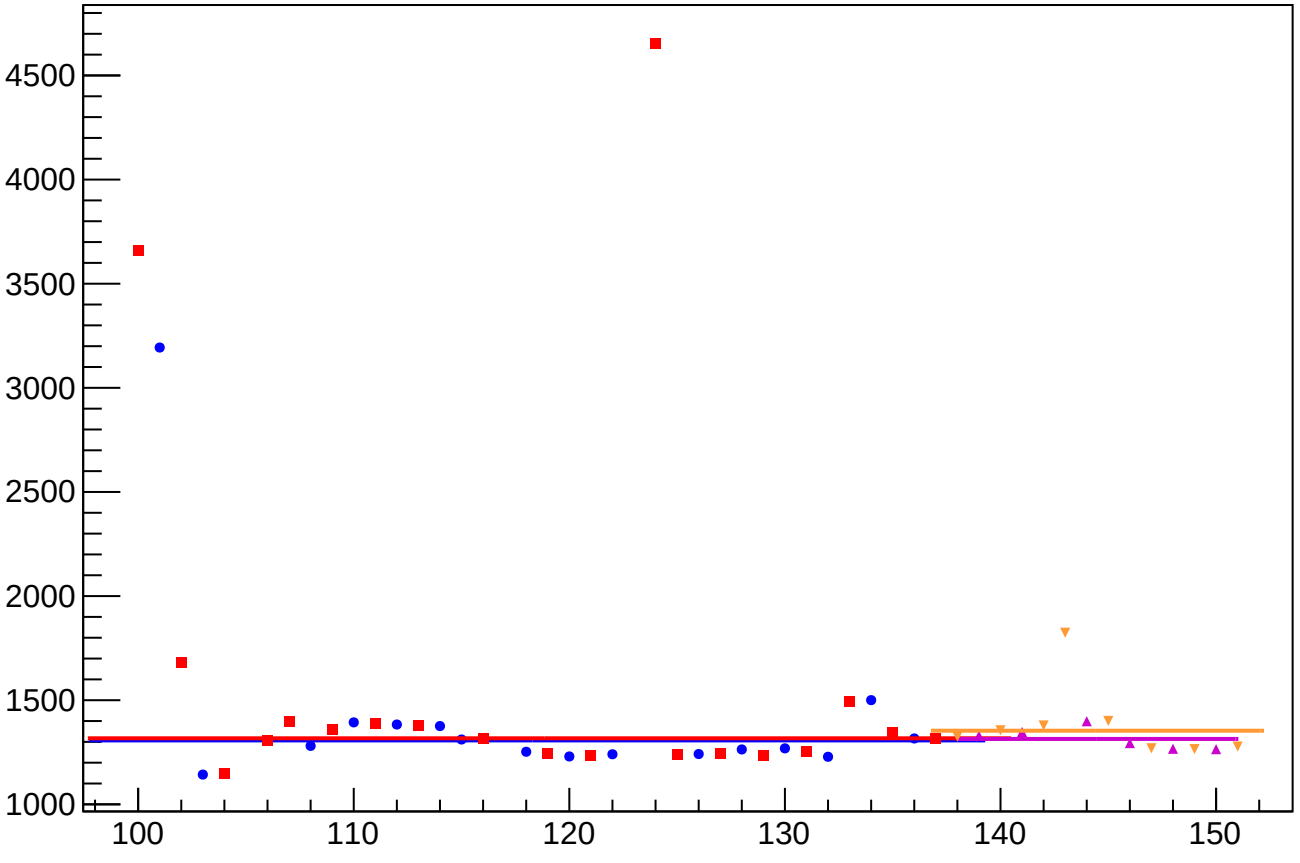
Left In: -2632.600+/-572.722 χ^2/NDF:9.5/5

+ sign 1807.910+/-367.020 χ^2/NDF: 24.0/23

All: -156.395+/-262.087 χ^2/NDF: 112.4/48

- sign -2200.321+/-374.384 χ^2/NDF: 30.0/24

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: 1353.586+/-0.386 χ^2/NDF:132870.4/7

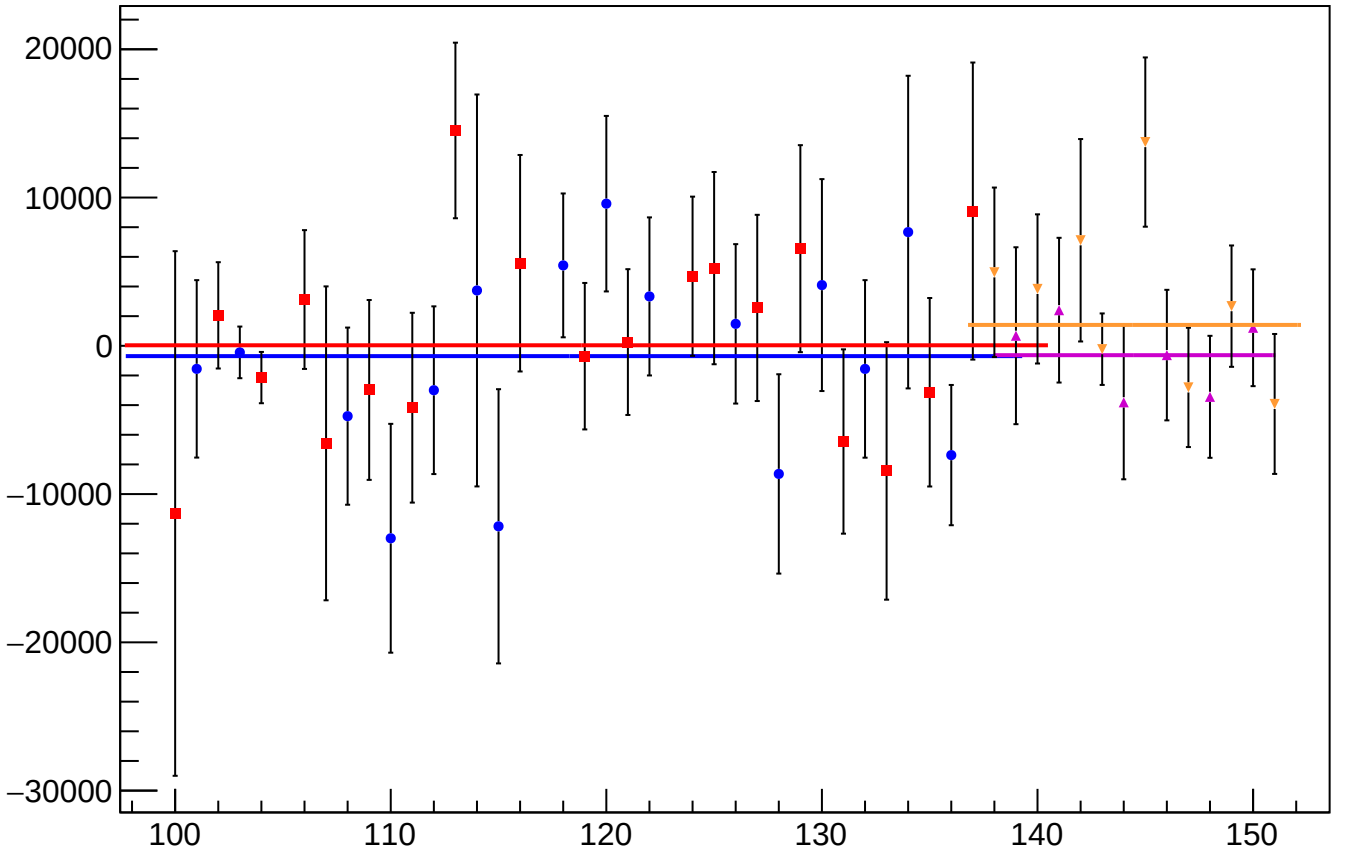
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1314.073+/-0.405 χ^2/NDF:13445.9/5

+ sign 1328.050+/-0.260 χ^2/NDF: 657076.4/23

All: 1322.053+/-0.185 χ^2/NDF: 997570.3/48

- sign 1315.825+/-0.264 χ^2/NDF: 339405.3/24



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: 1409.156+/-1473.253 χ^2/NDF:8.9/7

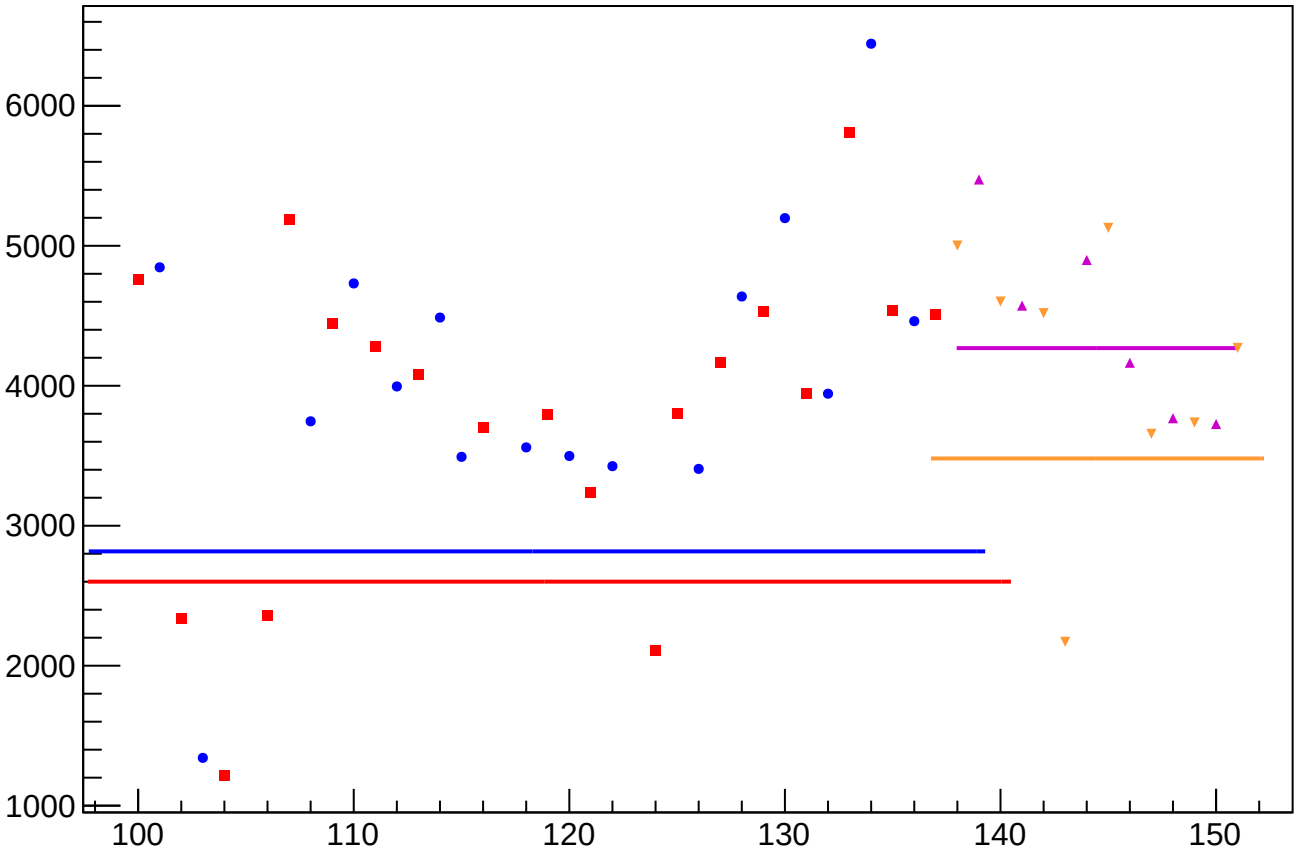
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -631.769+/-1882.142 χ^2/NDF:1.5/5

+ sign 129.234+/-922.154 χ^2/NDF: 24.8/23

All: 1.564+/-661.194 χ^2/NDF: 42.4/48

- sign -133.519+/-948.544 χ^2/NDF: 17.5/24



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 3480.552+/-1.042 χ^2/NDF:1112201.1/7

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

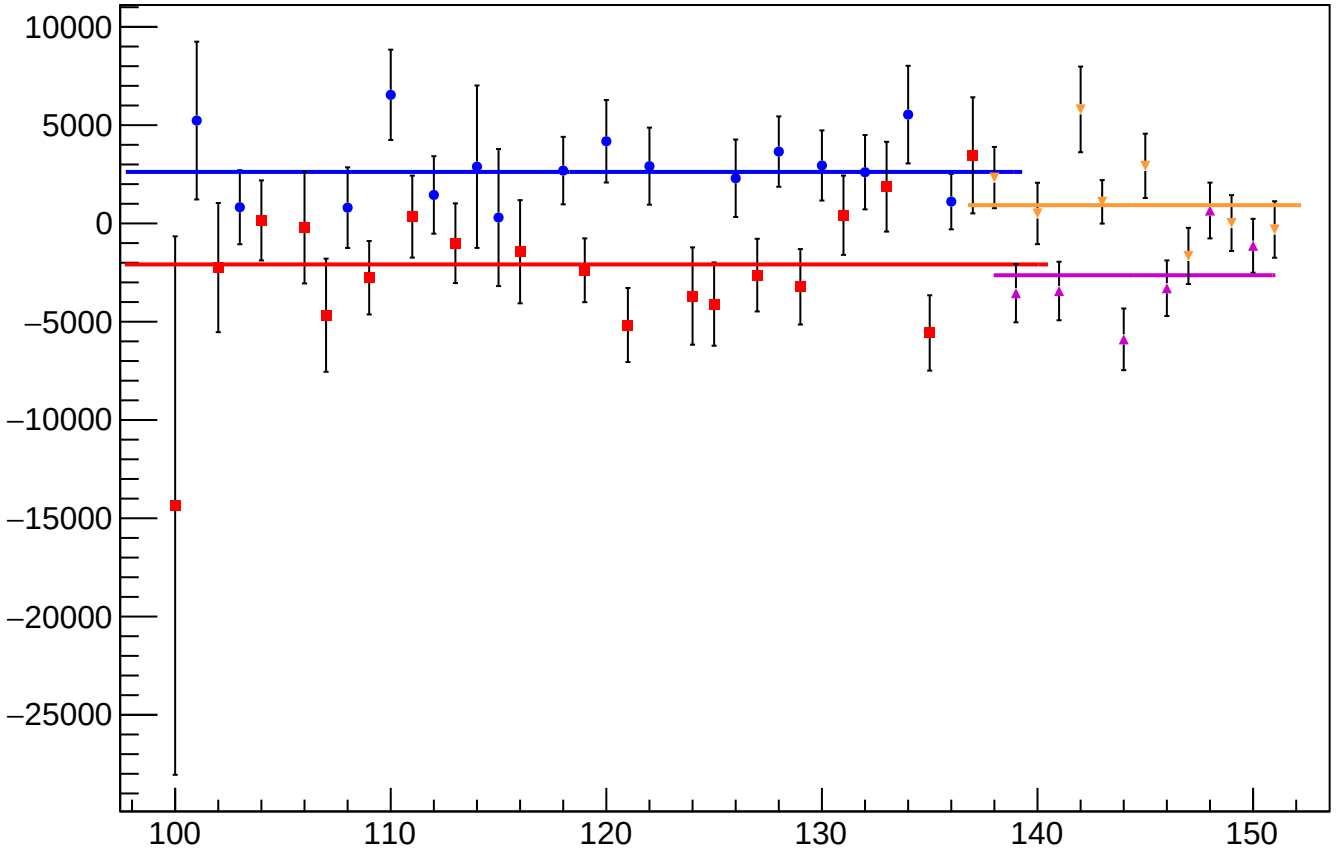
Left In: 4269.080+/-1.331 χ^2/NDF:187363.8/5

+ sign 3076.841+/-0.652 χ^2/NDF: 4366694.7/23

All: 3051.319+/-0.468 χ^2/NDF: 8810592.9/48

- sign 3024.314+/-0.671 χ^2/NDF: 4440745.2/24

dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 930.536+/-520.592 χ^2/NDF:11.8/7

Right Out: -2085.606+/-504.873 χ^2/NDF: 20.9/18

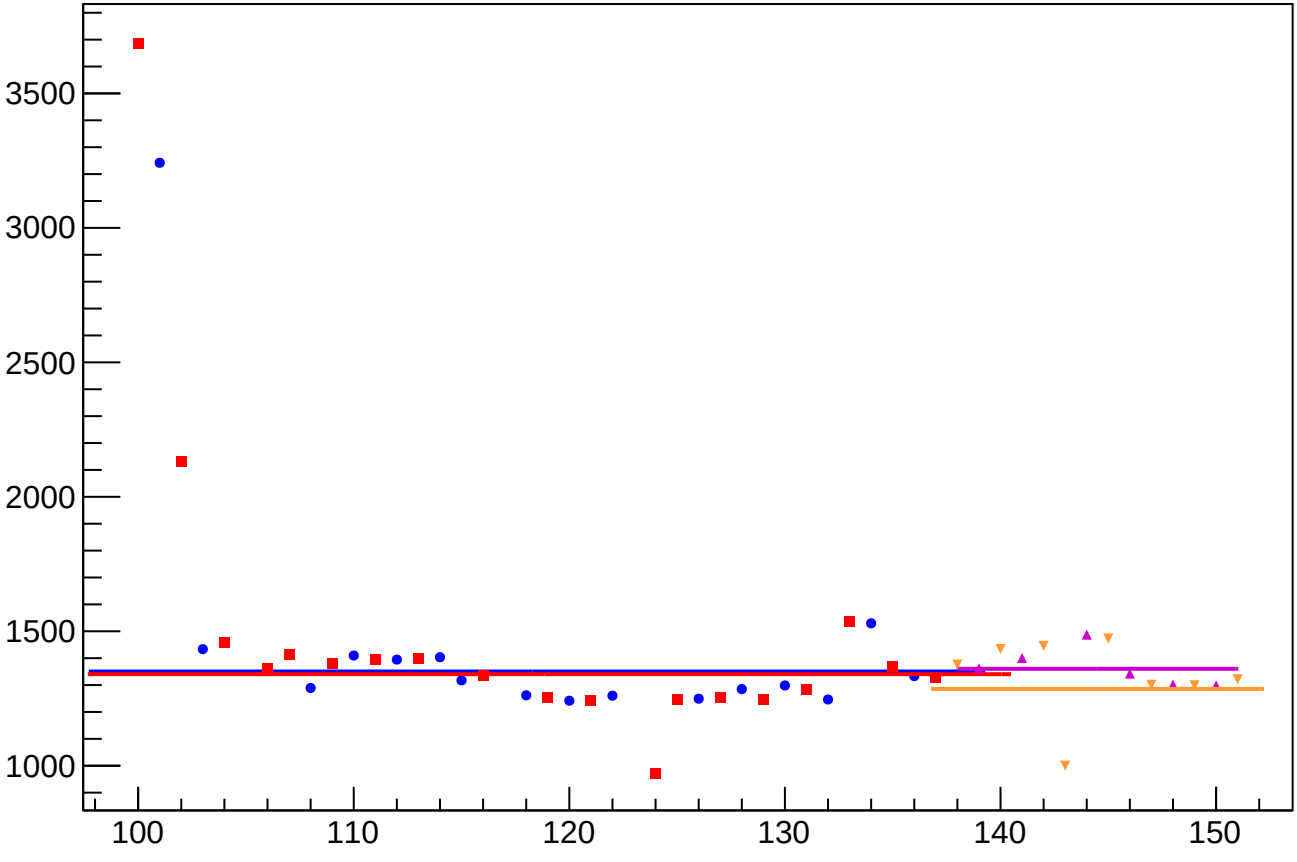
Left In: -2635.837+/-593.267 χ^2/NDF:11.8/5

+ sign 1790.406+/-364.861 χ^2/NDF: 26.5/23

All: -155.634+/-264.664 χ^2/NDF: 119.8/48

- sign -2316.716+/-384.492 χ^2/NDF: 33.2/24

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1285.830+/-0.368 χ^2/NDF:196412.1/7

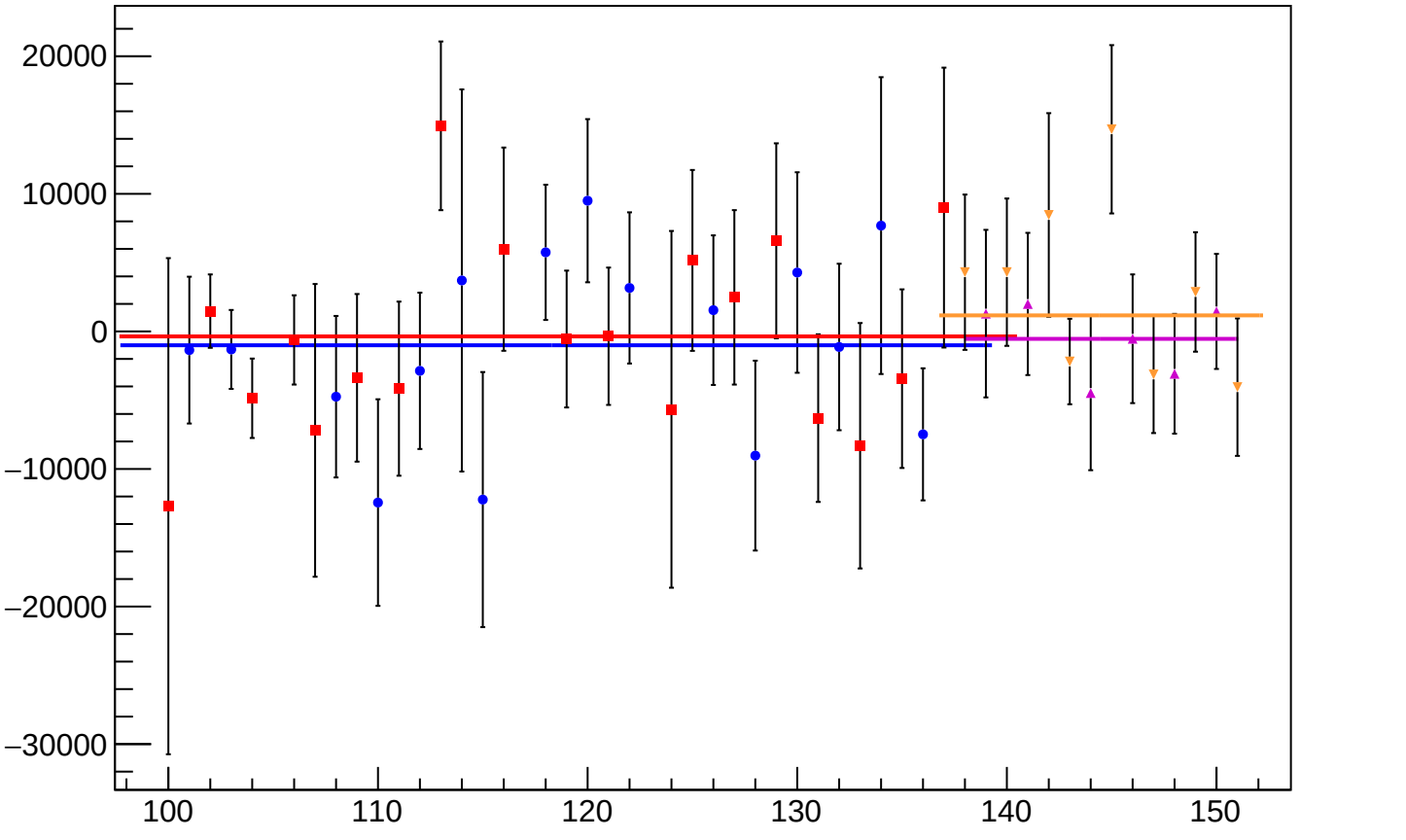
Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1360.425+/-0.420 χ^2/NDF:22375.1/5

+ sign 1318.667+/-0.258 χ^2/NDF: 706102.9/23

All: 1332.961+/-0.187 χ^2/NDF: 1008455.2/48

- sign 1348.822+/-0.272 χ^2/NDF: 295877.1/24



Right In: -1006.752+/-1404.458 χ^2/NDF: 14.6/15

Left Out: 1166.123+/-1659.914 χ^2/NDF:9.9/7

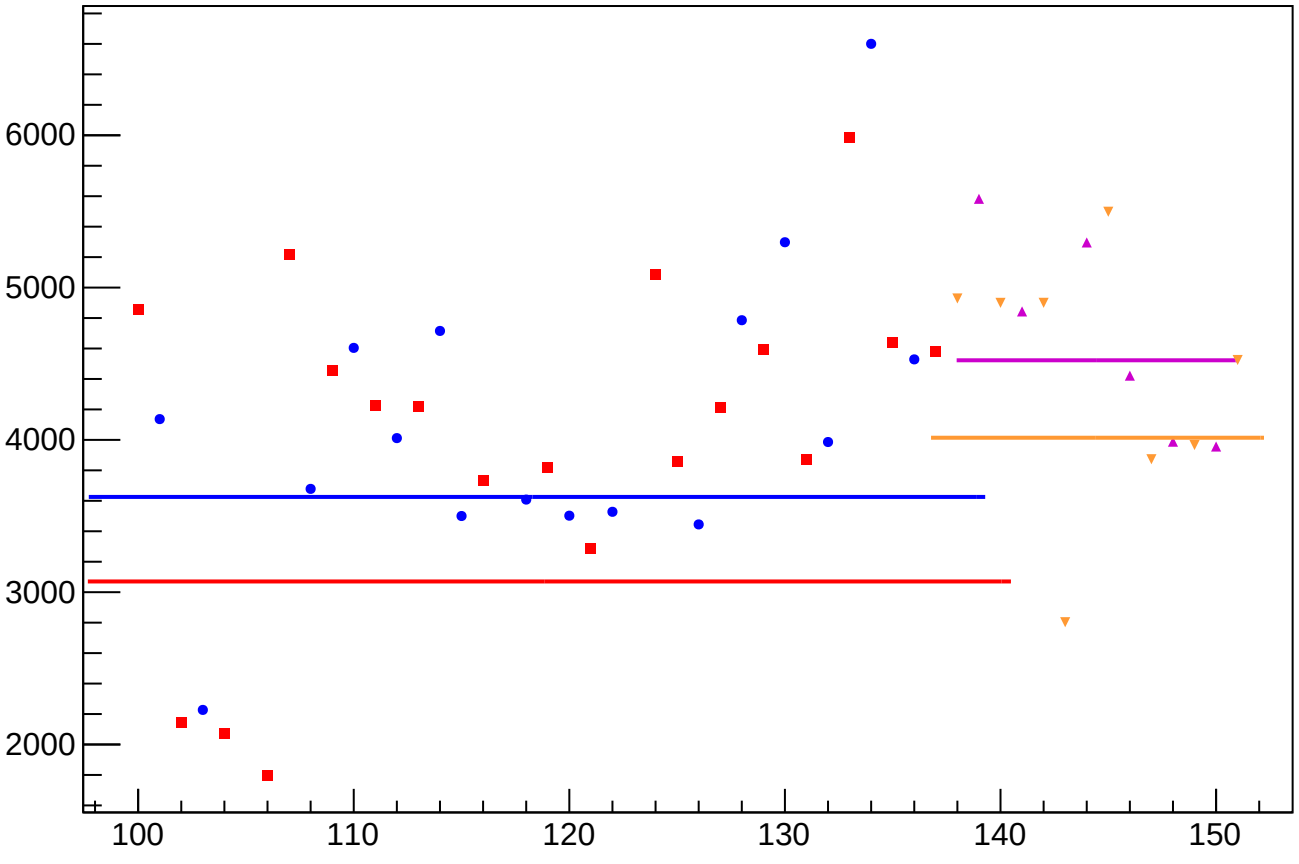
Right Out: -364.493+/-1202.498 χ^2/NDF: 16.2/18

Left In: -541.067+/-1992.977 χ^2/NDF:1.4/5

+ sign -100.202+/-1072.171 χ^2/NDF: 25.5/23

All: -262.215+/-742.631 χ^2/NDF: 43.2/48

- sign -411.619+/-1029.601 χ^2/NDF: 17.6/24



Right In: 3625.512+/-0.993 χ^2/NDF: 944905.4/15

Left Out: 4014.165+/-1.174 χ^2/NDF:580731.6/7

Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

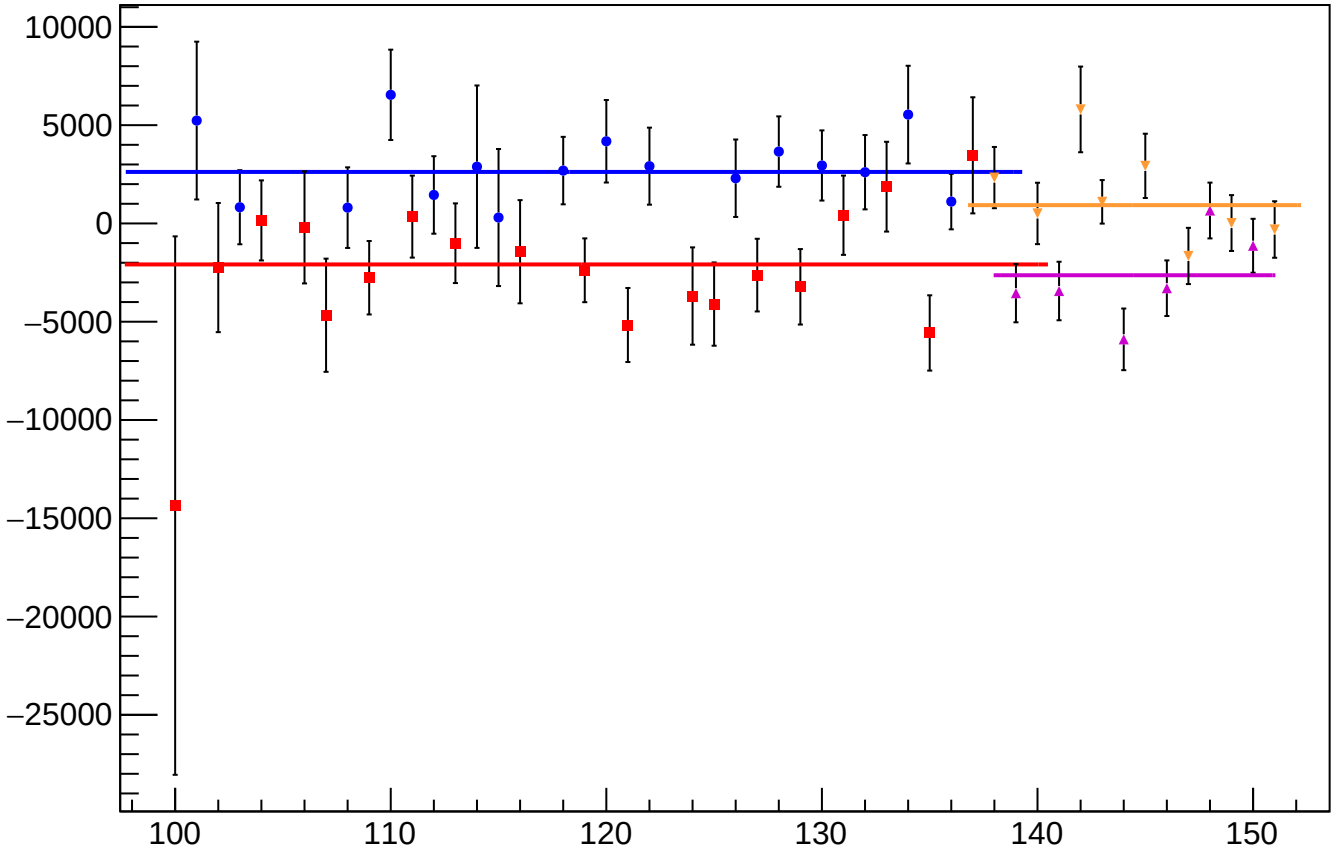
Left In: 4522.634+/-1.409 χ^2/NDF:174070.3/5

+ sign 3787.663+/-0.758 χ^2/NDF: 1589535.8/23

All: 3616.167+/-0.525 χ^2/NDF: 4479092.3/48

- sign 3458.019+/-0.728 χ^2/NDF: 2791200.5/24

eigen_dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 930.537+/-520.593 χ^2/NDF:11.8/7

Right Out: -2085.608+/-504.873 χ^2/NDF: 20.9/18

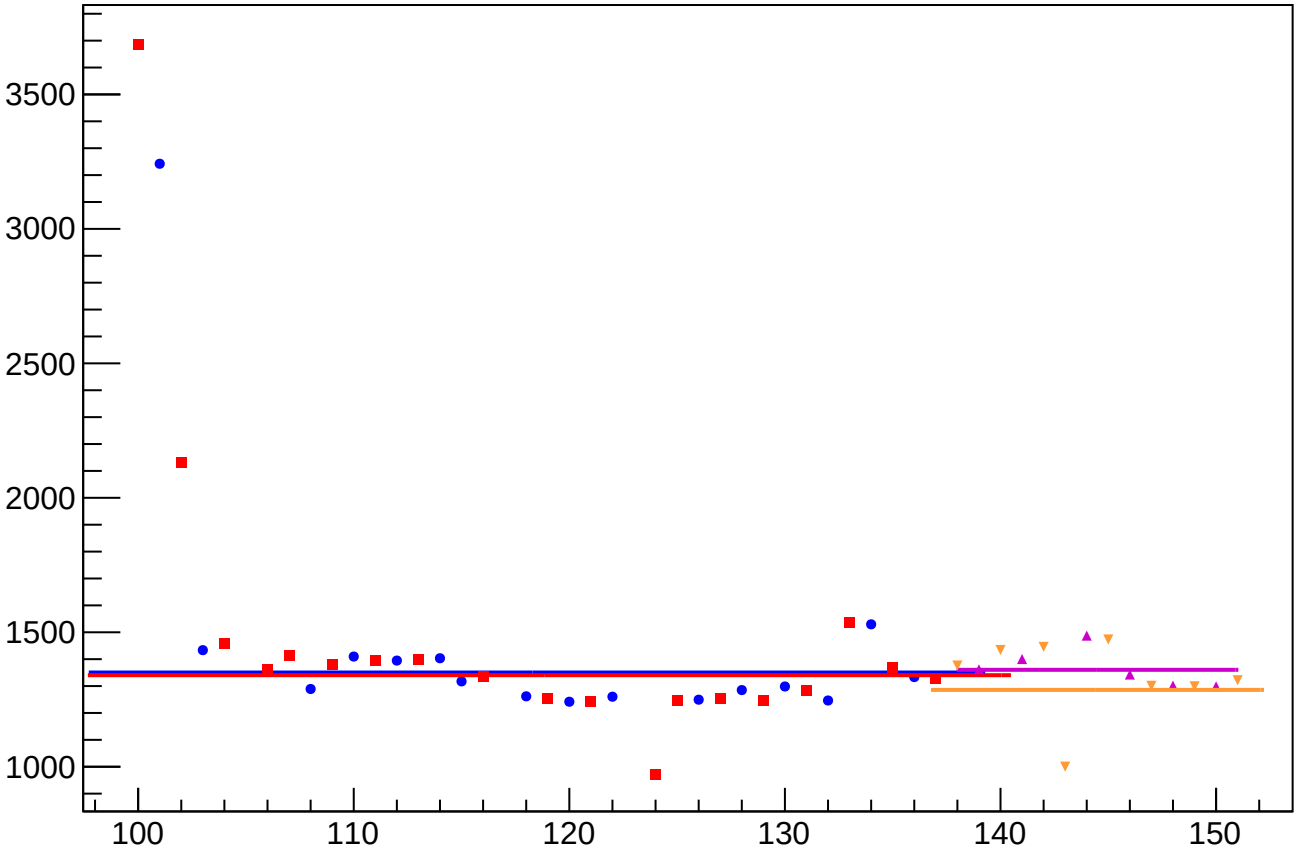
Left In: -2635.834+/-593.268 χ^2/NDF:11.8/5

+ sign 1790.407+/-364.861 χ^2/NDF: 26.5/23

All: -155.633+/-264.664 χ^2/NDF: 119.8/48

- sign -2316.716+/-384.492 χ^2/NDF: 33.2/24

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: 1285.831+/-0.368 χ^2/NDF:196412.3/7

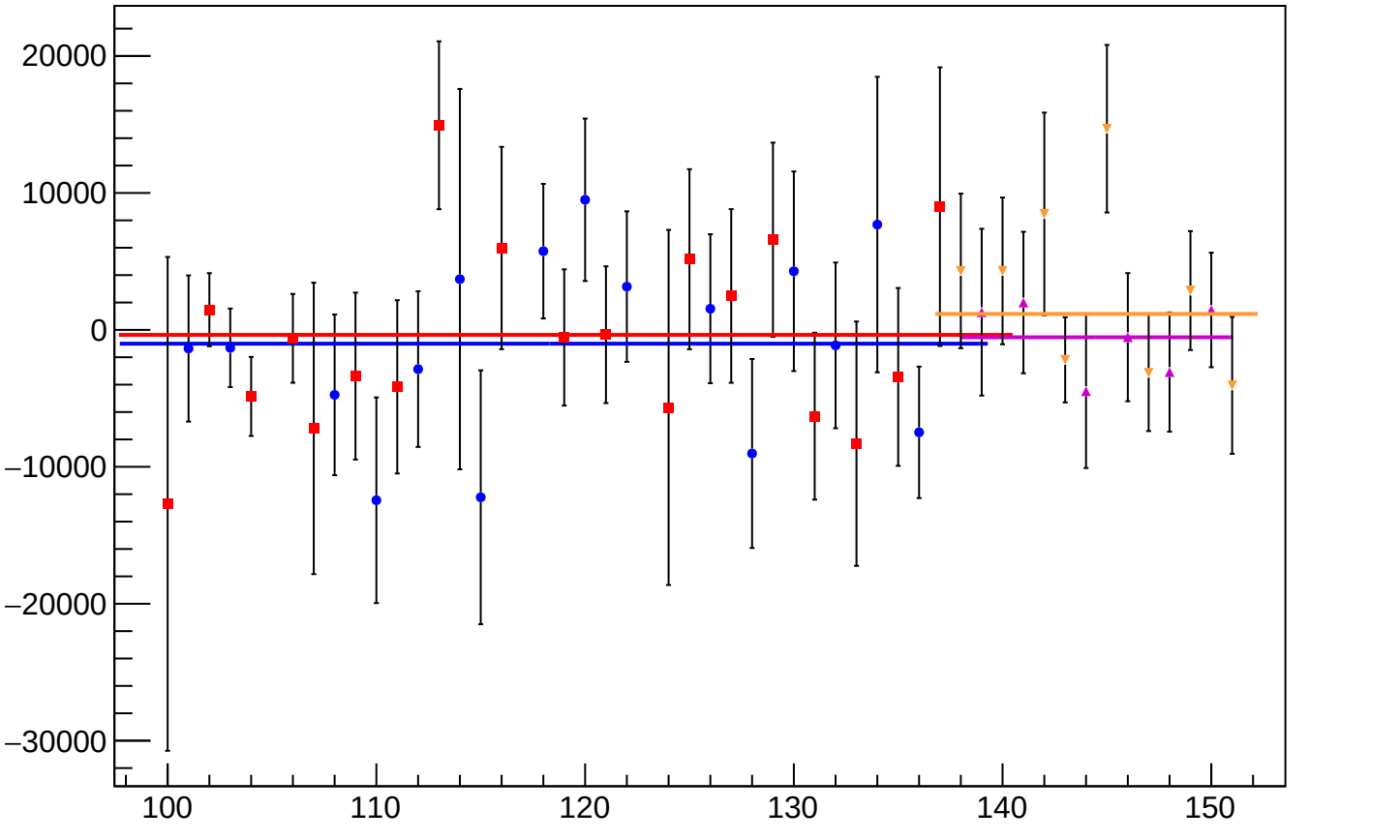
Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1360.426+/-0.420 χ^2/NDF:22375.3/5

+ sign 1318.668+/-0.258 χ^2/NDF: 706102.5/23

All: 1332.961+/-0.187 χ^2/NDF: 1008454.3/48

- sign 1348.822+/-0.272 χ^2/NDF: 295876.6/24



Right In: -1006.742+/-1404.455 χ^2/NDF: 14.6/15

Left Out: 1166.121+/-1659.917 χ^2/NDF:9.9/7

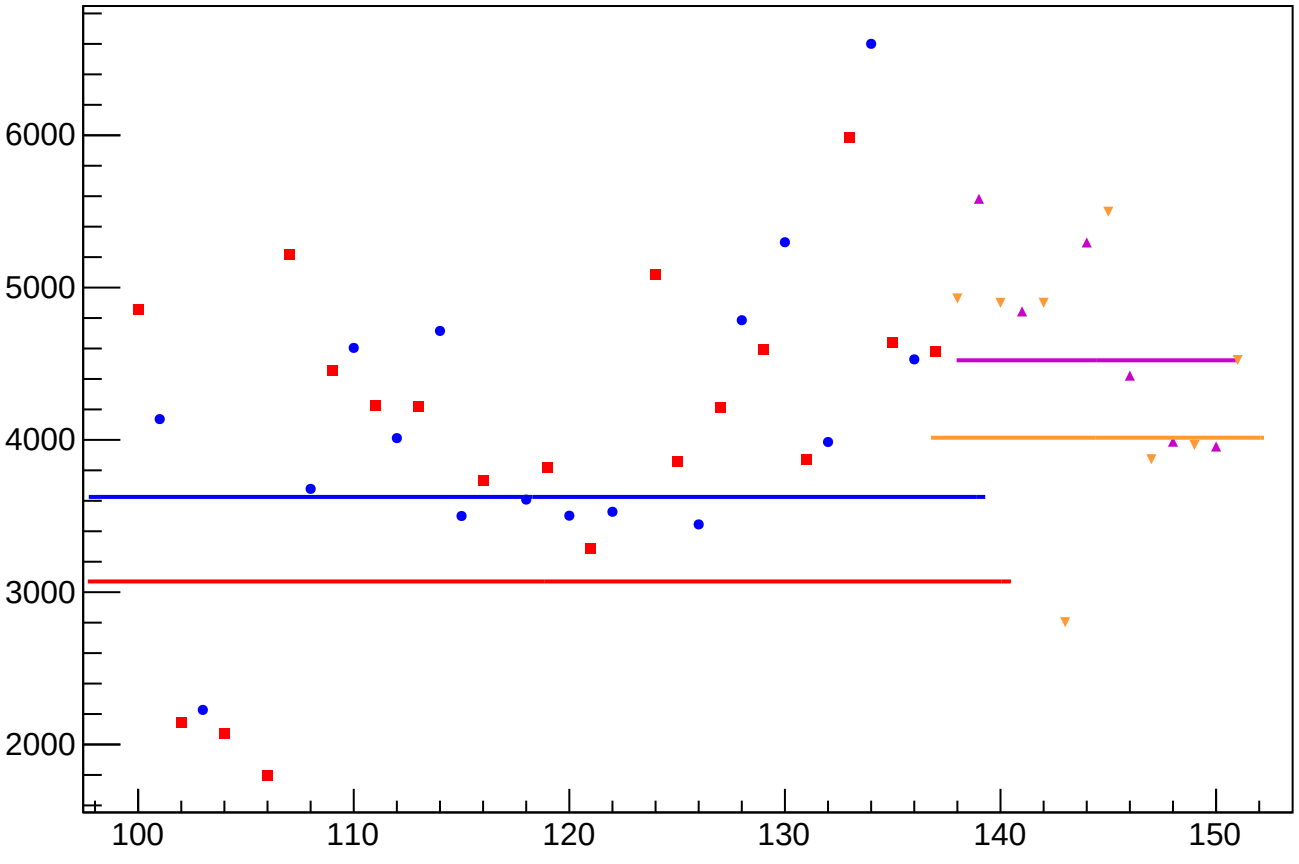
Right Out: -364.495+/-1202.495 χ^2/NDF: 16.2/18

Left In: -541.065+/-1992.979 χ^2/NDF:1.4/5

+ sign -100.202+/-1072.170 χ^2/NDF: 25.5/23

All: -262.216+/-742.631 χ^2/NDF: 43.2/48

- sign -411.619+/-1029.599 χ^2/NDF: 17.6/24



Right In: 3625.503+/-0.993 χ^2/NDF: 944907.6/15

Left Out: 4014.171+/-1.174 χ^2/NDF:580731.6/7

Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

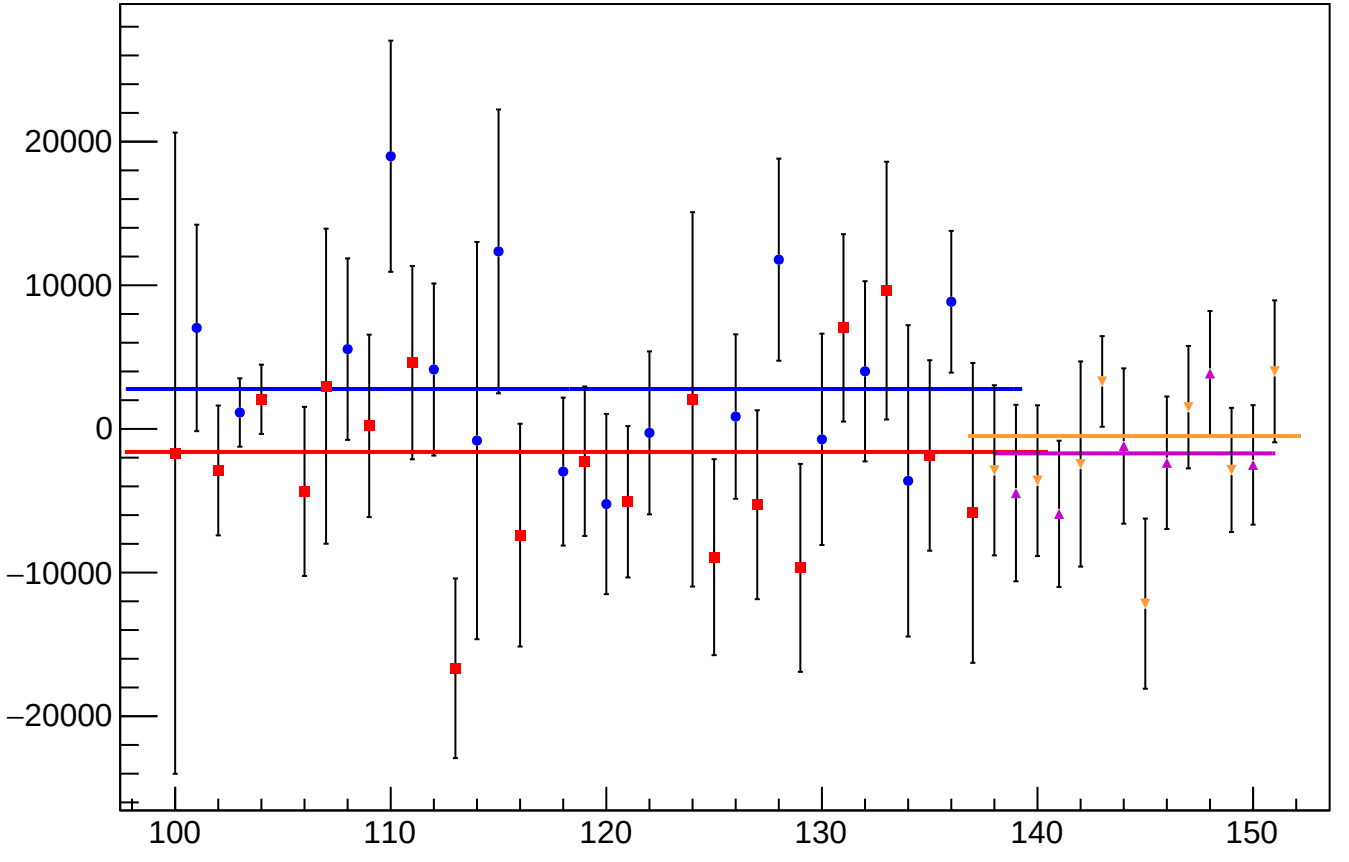
Left In: 4522.640+/-1.409 χ^2/NDF:174071.3/5

+ sign 3787.659+/-0.758 χ^2/NDF: 1589542.9/23

All: 3616.161+/-0.525 χ^2/NDF: 4479120.7/48

- sign 3458.012+/-0.728 χ^2/NDF: 2791219.5/24

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: -497.981+/-1659.803 χ^2/NDF:7.3/7

Right Out: -1602.626+/-1337.018 χ^2/NDF: 16.8/18

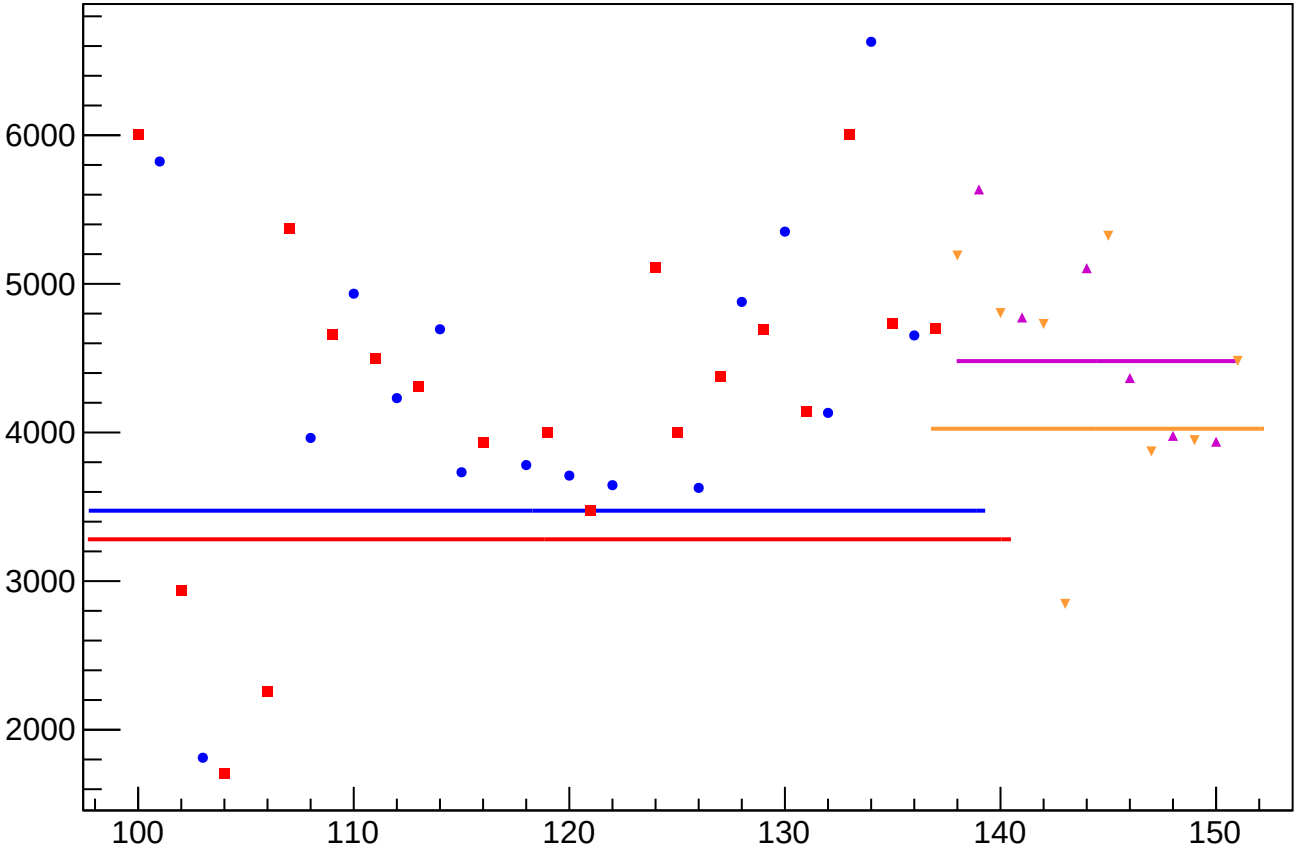
Left In: -1701.645+/-1972.312 χ^2/NDF:2.6/5

+ sign 1429.903+/-1065.415 χ^2/NDF: 22.7/23

All: -43.741+/-767.542 χ^2/NDF: 46.1/48

- sign -1633.802+/-1106.698 χ^2/NDF: 19.4/24

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 4025.268+/-1.174 χ^2/NDF:536174.4/7

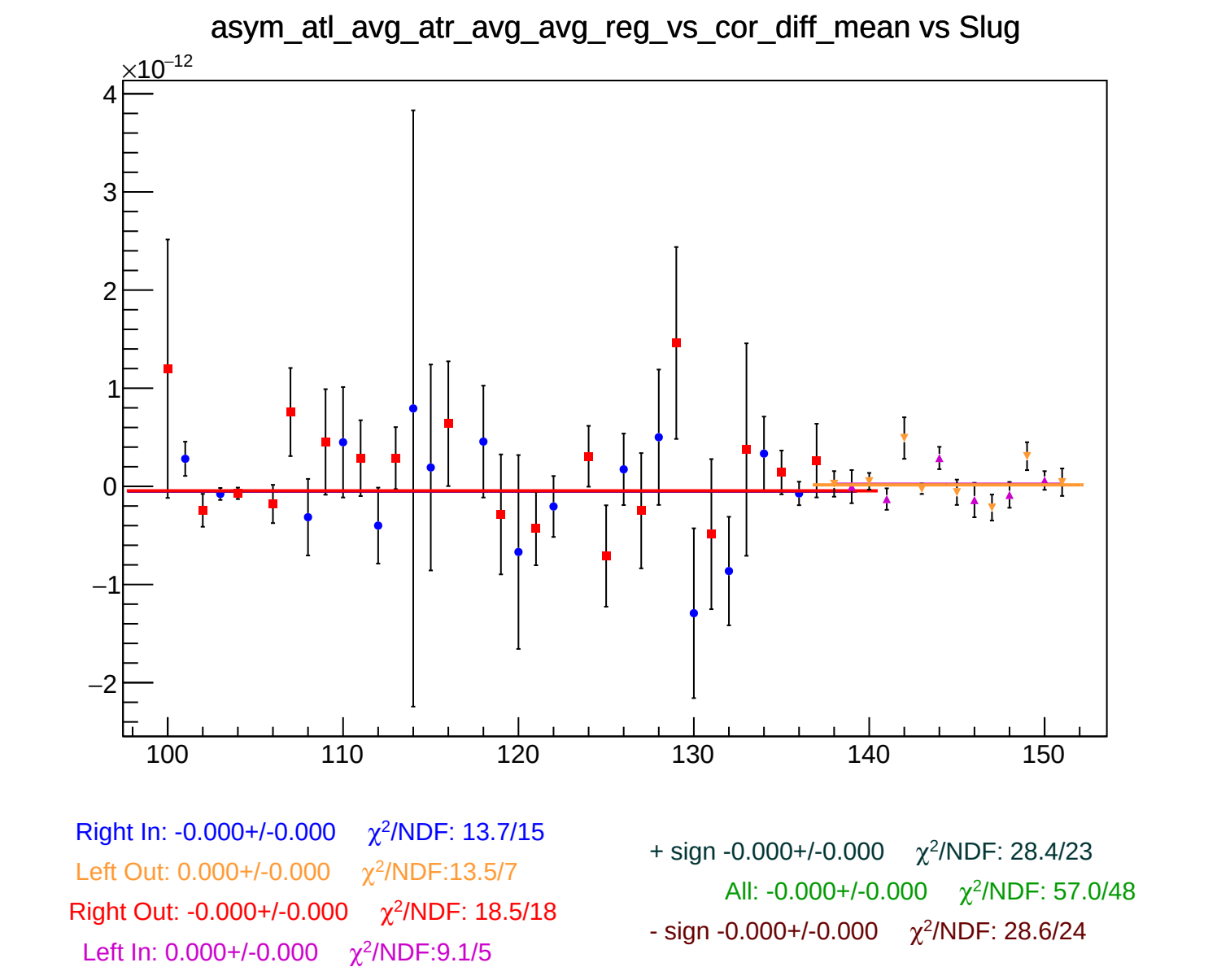
Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

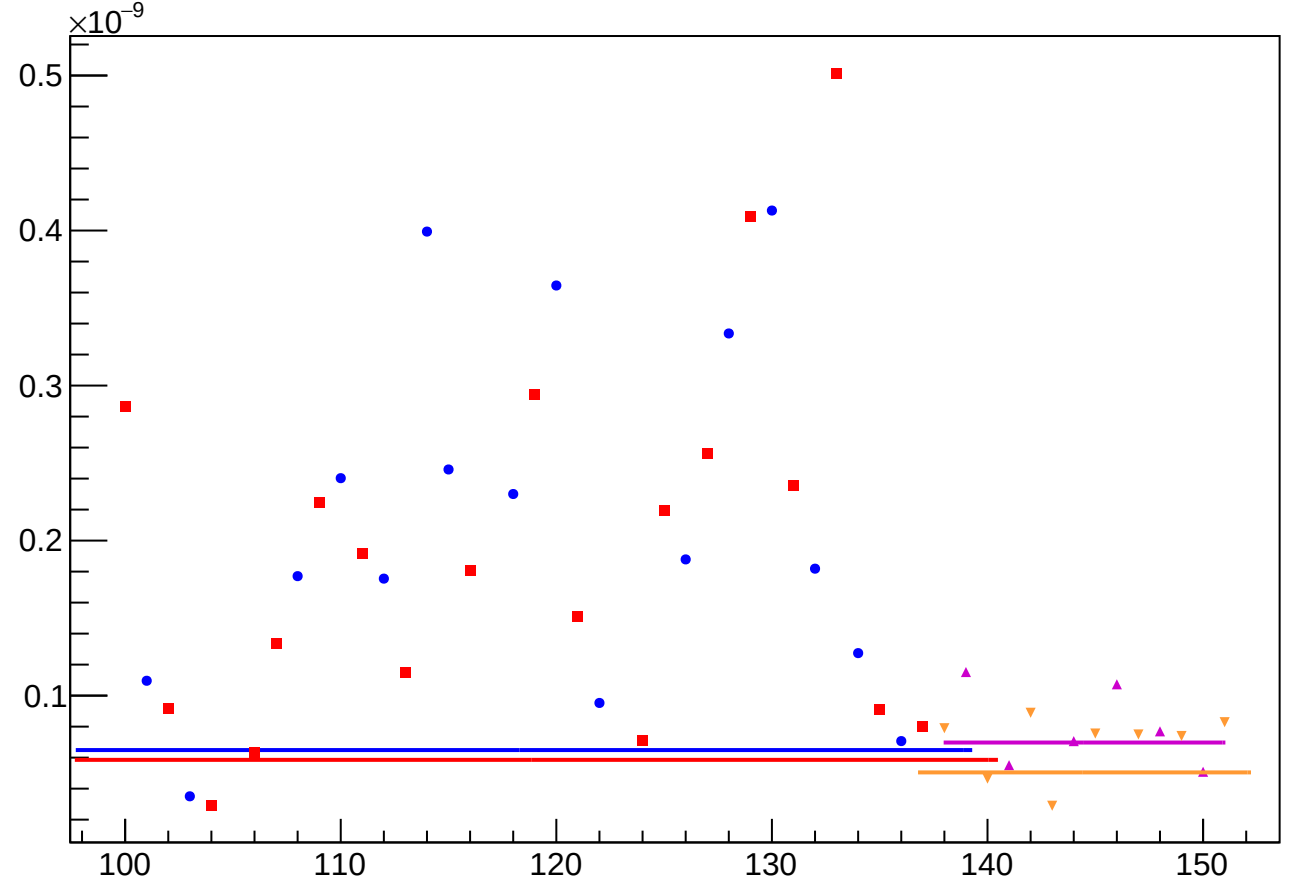
Left In: 4480.362+/-1.395 χ^2/NDF:166102.1/5

+ sign 3701.074+/-0.753 χ^2/NDF: 2509905.5/23

All: 3677.174+/-0.540 χ^2/NDF: 5064248.9/48

- sign 3651.868+/-0.775 χ^2/NDF: 2552271.3/24


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
Right In: -0.000+/-0.000 χ²/NDF: 13.7/15
Left Out: 0.000+/-0.000 χ²/NDF:13.5/7
Right Out: -0.000+/-0.000 χ²/NDF: 18.5/18
Left In: 0.000+/-0.000 χ²/NDF:9.1/5
+ sign -0.000+/-0.000 χ²/NDF: 28.4/23
All: -0.000+/-0.000 χ²/NDF: 57.0/48
- sign -0.000+/-0.000 χ²/NDF: 28.6/24



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:802888.4/7

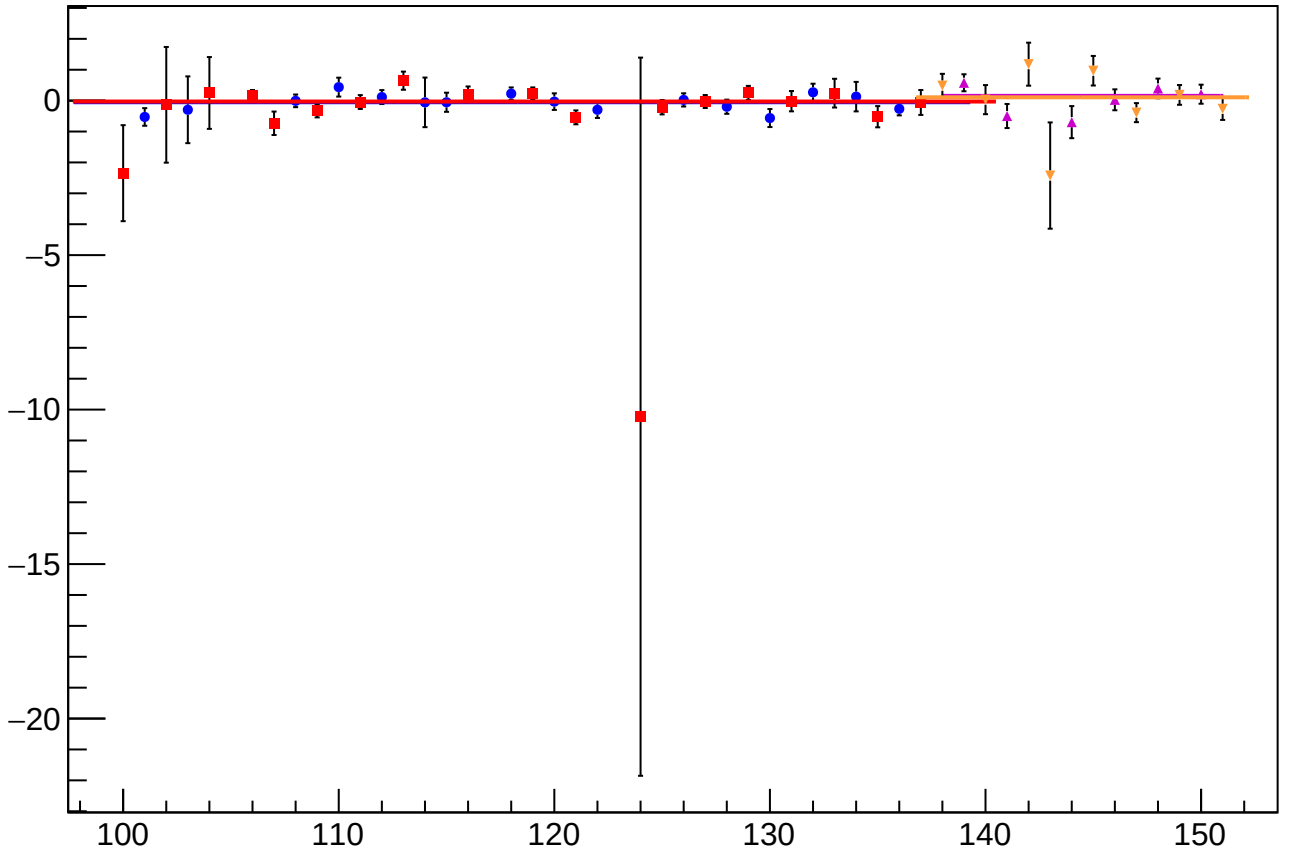
Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:357425.3/5

+ sign 0.000+/-0.000 χ^2/NDF: 3510808.1/23

All: 0.000+/-0.000 χ^2/NDF: 6845095.5/48

- sign 0.000+/-0.000 χ^2/NDF: 3264751.0/24



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: 0.108+/-0.147 χ^2/NDF:12.5/7

Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

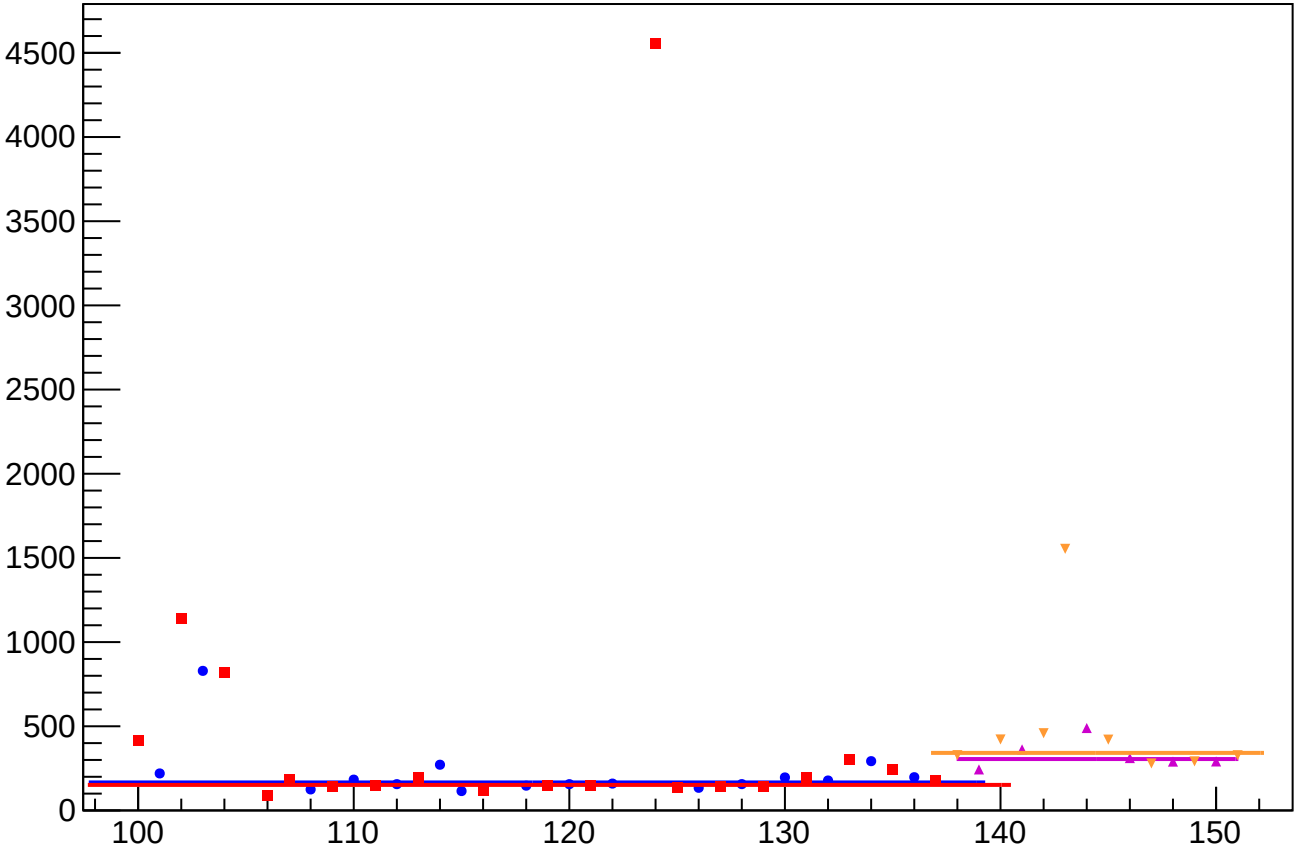
Left In: 0.154+/-0.138 χ^2/NDF:8.6/5

+ sign -0.024+/-0.061 χ^2/NDF: 28.3/23

All: -0.010+/-0.042 χ^2/NDF: 66.0/48

- sign 0.003+/-0.058 χ^2/NDF: 37.6/24

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 341.934+/-0.104 χ^2/NDF:1298957.0/7

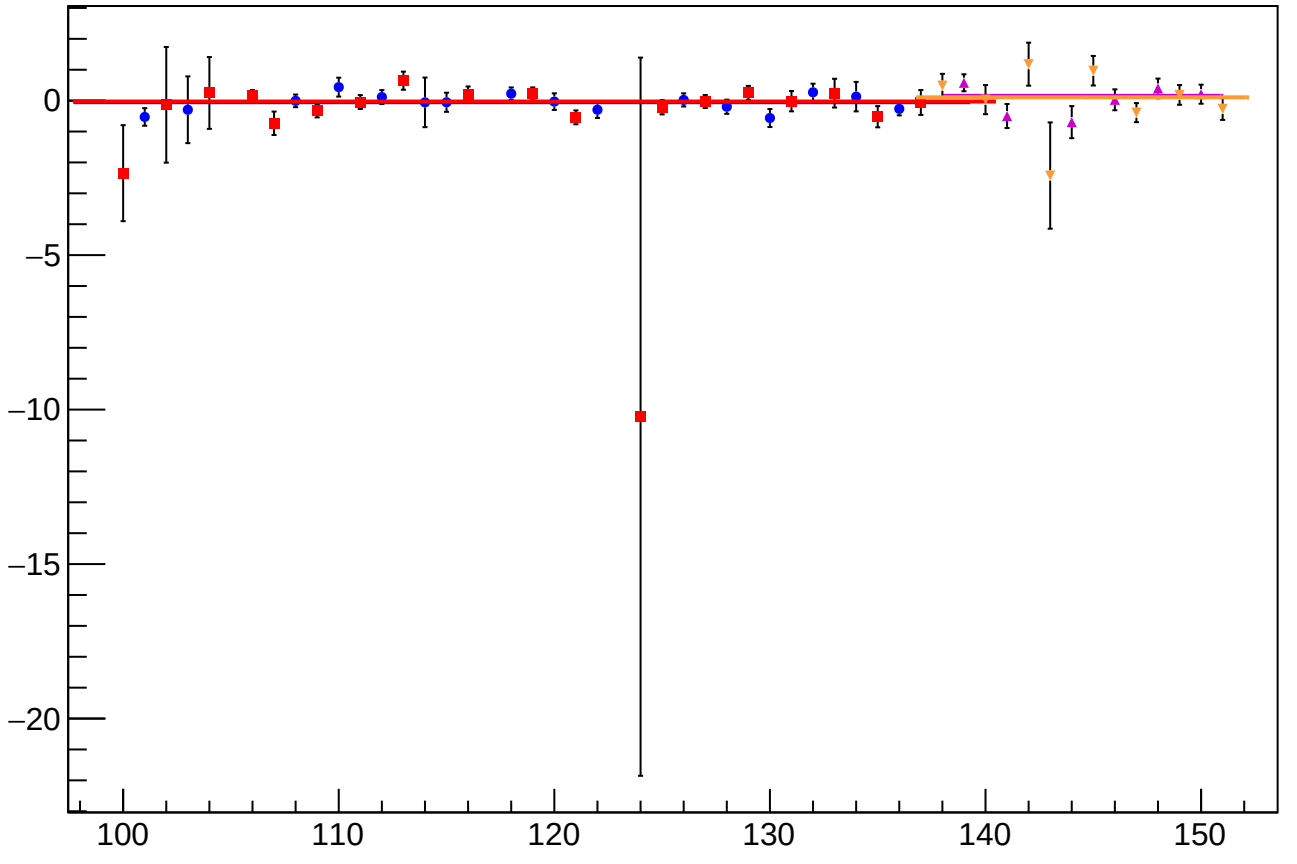
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 305.389+/-0.097 χ^2/NDF:404842.0/5

+ sign 196.318+/-0.043 χ^2/NDF: 4944298.8/23

All: 187.288+/-0.030 χ^2/NDF: 9791662.1/48

- sign 179.042+/-0.041 χ^2/NDF: 4762868.8/24



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: 0.108+/-0.147 χ^2/NDF:12.5/7

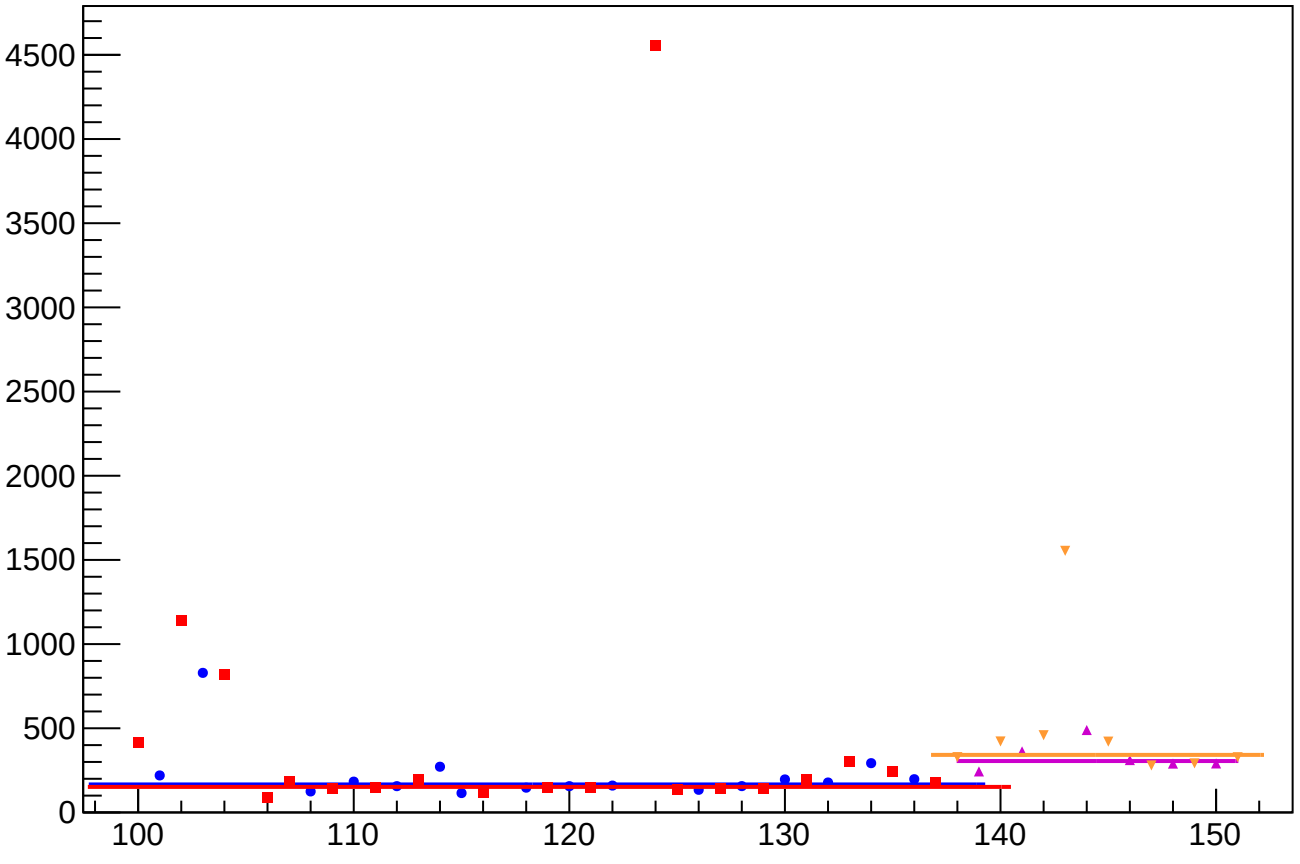
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.154+/-0.138 χ^2/NDF:8.6/5

+ sign -0.024+/-0.061 χ^2/NDF: 28.3/23

All: -0.010+/-0.042 χ^2/NDF: 66.0/48

- sign 0.003+/-0.058 χ^2/NDF: 37.6/24



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 341.934+/-0.104 χ^2/NDF:1298957.0/7

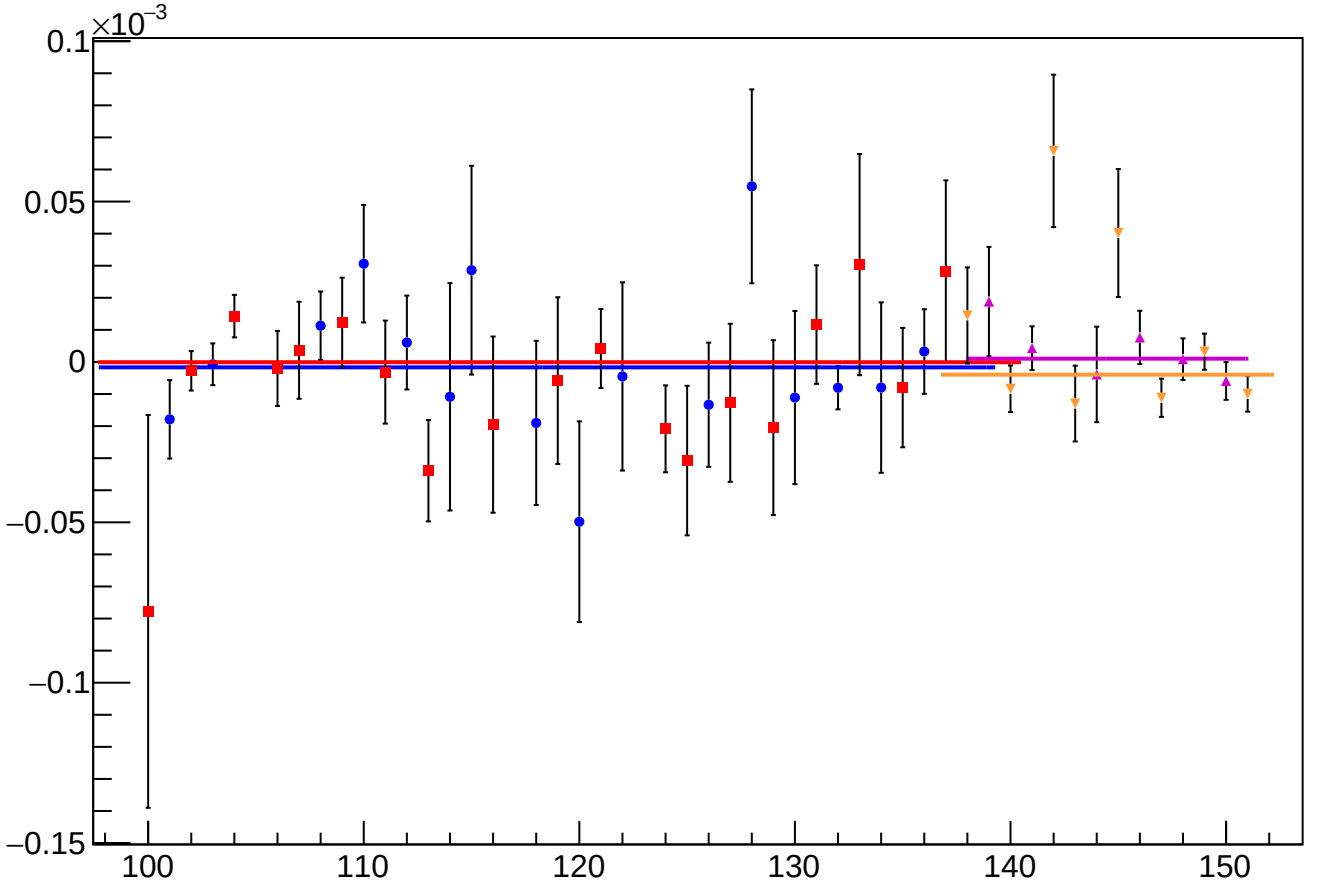
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 305.389+/-0.097 χ^2/NDF:404842.0/5

+ sign 196.318+/-0.043 χ^2/NDF: 4944298.8/23

All: 187.288+/-0.030 χ^2/NDF: 9791662.1/48

- sign 179.042+/-0.041 χ^2/NDF: 4762868.8/24



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.2/7

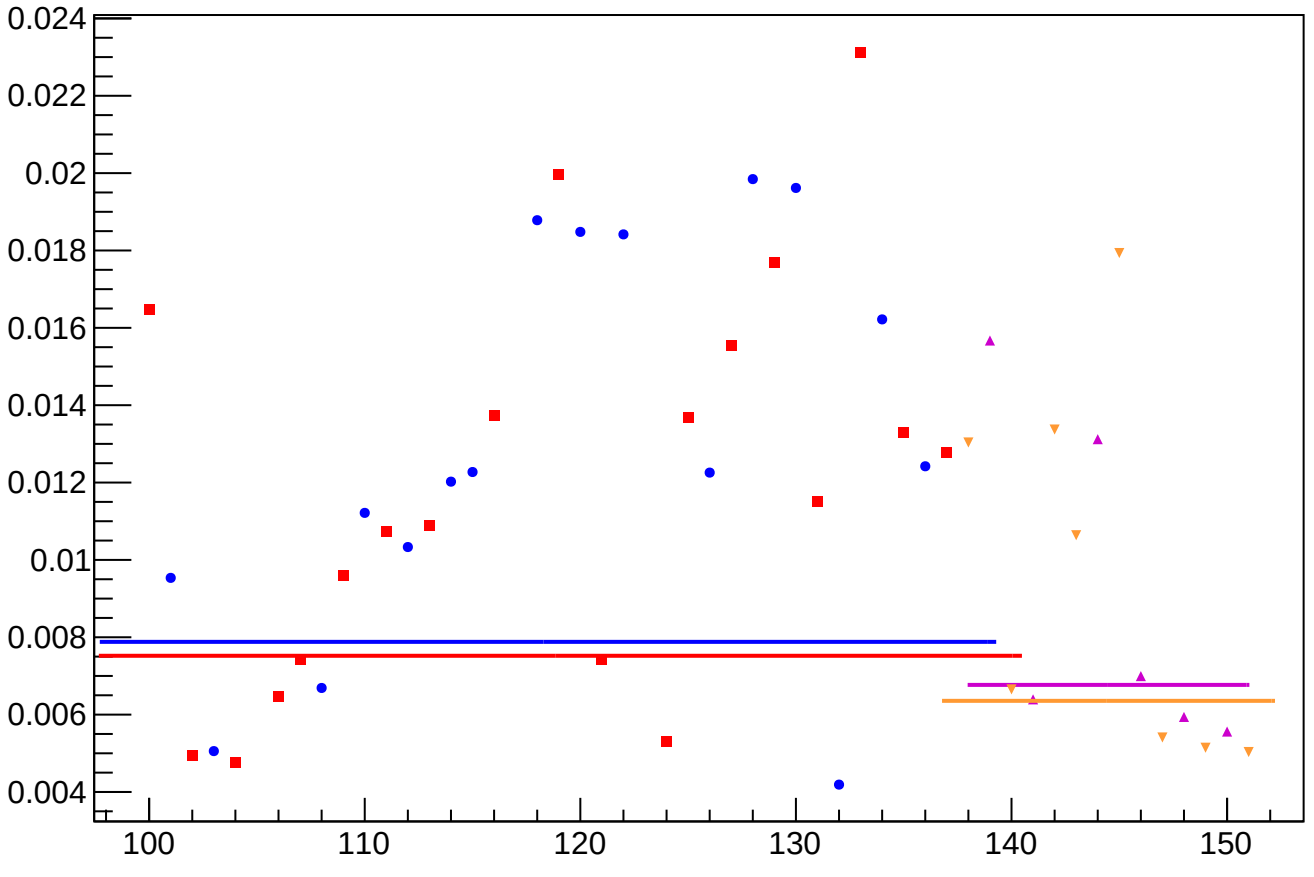
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:3.5/5

+ sign -0.000+/-0.000 χ^2/NDF: 36.0/23

All: -0.000+/-0.000 χ^2/NDF: 60.6/48

- sign 0.000+/-0.000 χ^2/NDF: 23.4/24



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.006+/-0.000 χ^2/NDF:1767861.5/7

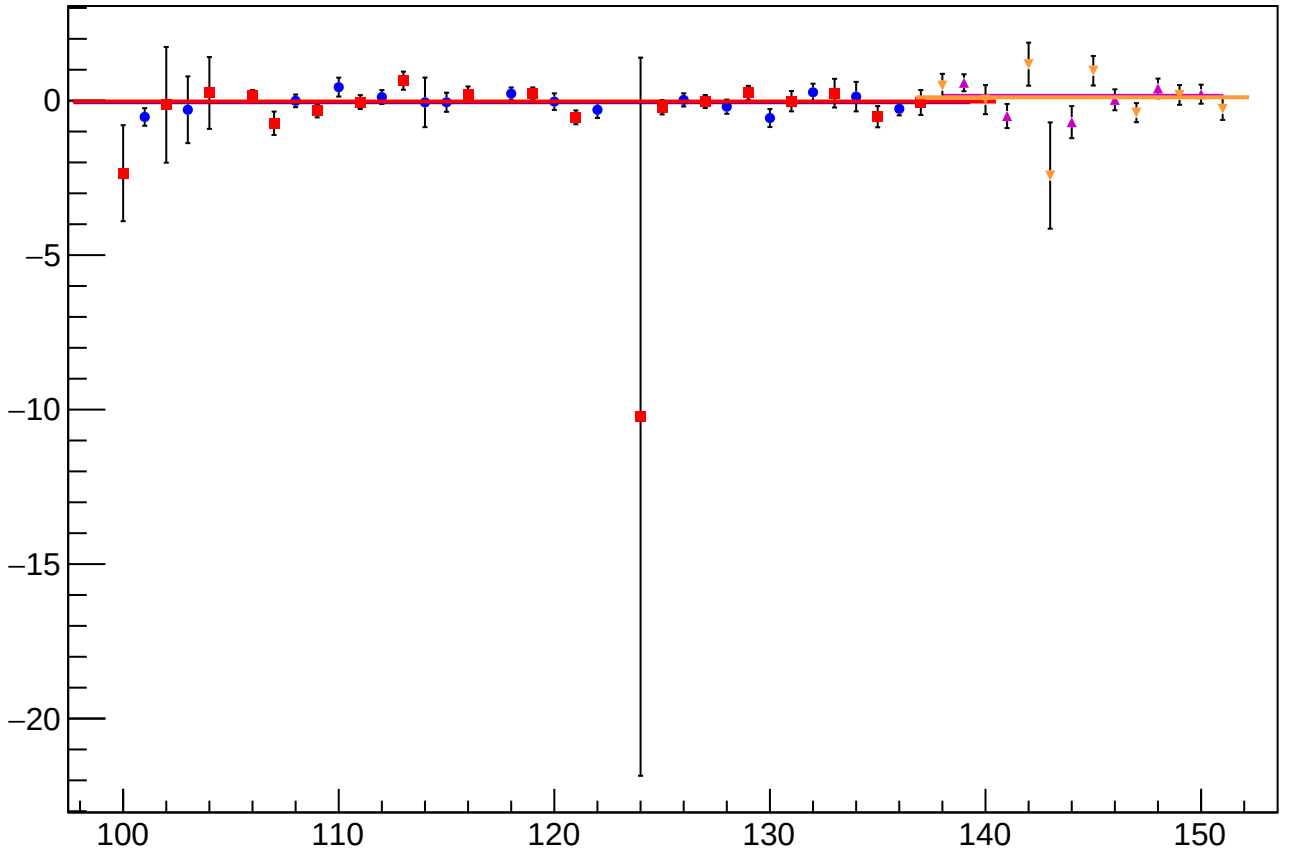
Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.007+/-0.000 χ^2/NDF:1033189.6/5

+ sign 0.007+/-0.000 χ^2/NDF: 5308734.2/23

All: 0.007+/-0.000 χ^2/NDF: 9380049.6/48

- sign 0.007+/-0.000 χ^2/NDF: 4064664.6/24



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: 0.108+/-0.147 χ^2/NDF:12.5/7

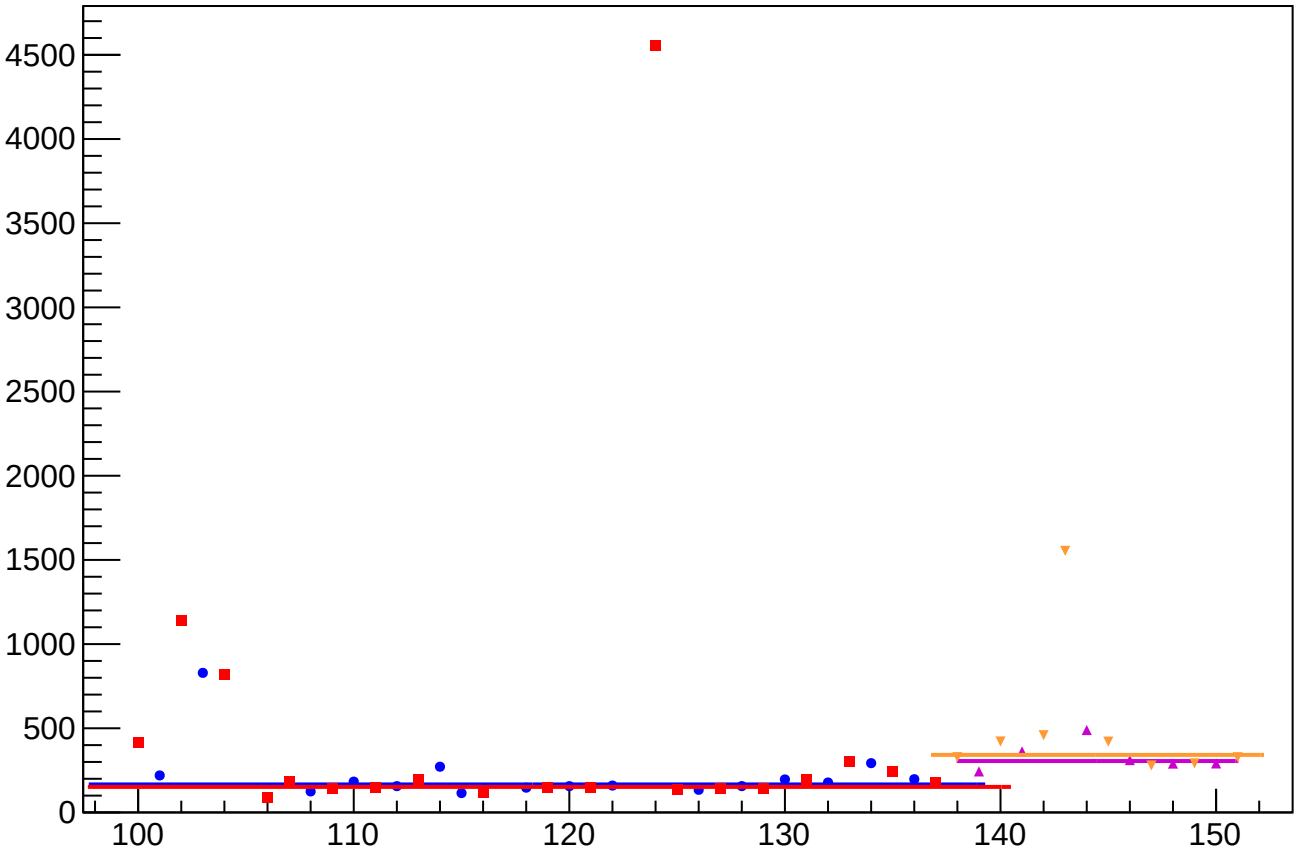
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.154+/-0.138 χ^2/NDF:8.6/5

+ sign -0.024+/-0.061 χ^2/NDF: 28.3/23

All: -0.010+/-0.042 χ^2/NDF: 66.0/48

- sign 0.003+/-0.058 χ^2/NDF: 37.6/24



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 341.938+/-0.104 χ^2/NDF:1298954.6/7

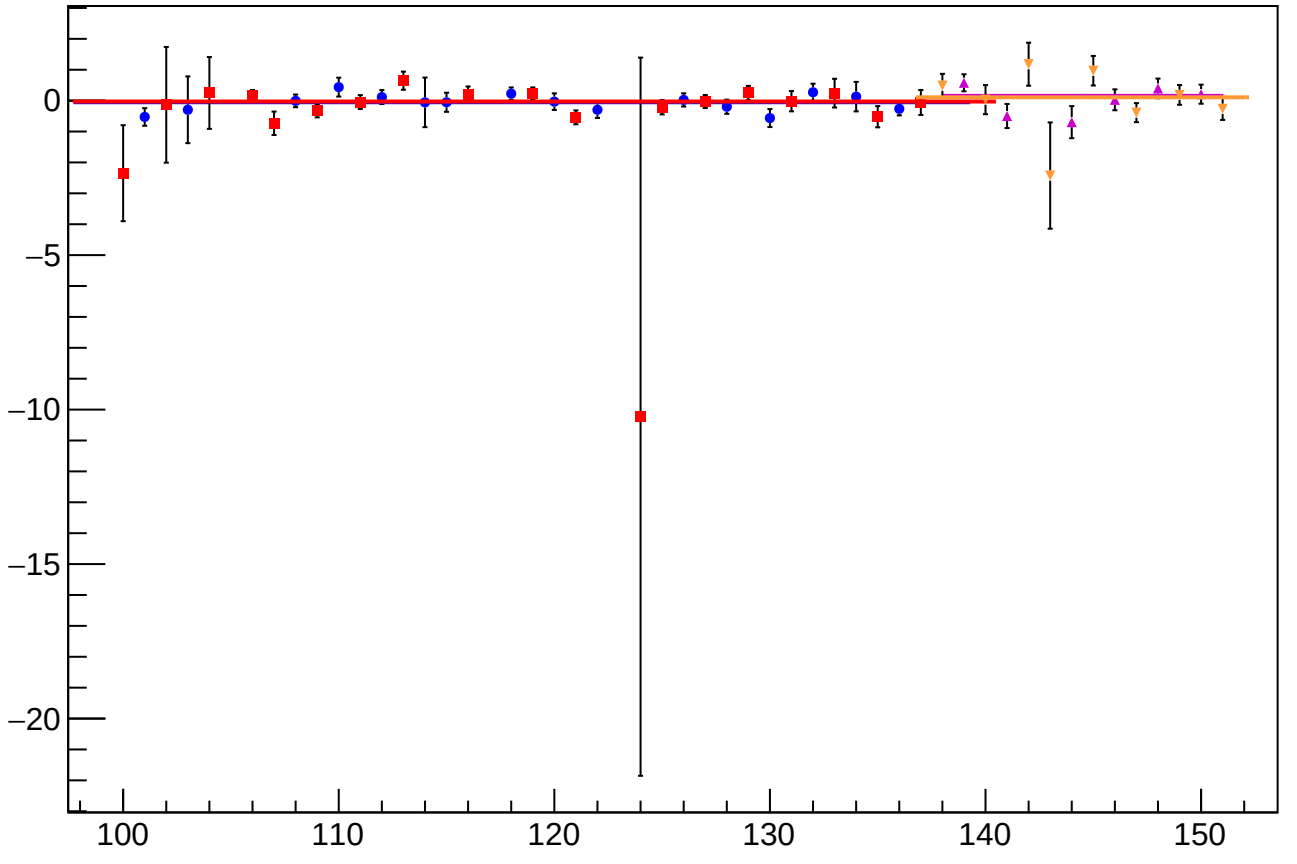
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 305.394+/-0.097 χ^2/NDF:404829.0/5

+ sign 196.318+/-0.043 χ^2/NDF: 4944371.0/23

All: 187.287+/-0.030 χ^2/NDF: 9791842.0/48

- sign 179.041+/-0.041 χ^2/NDF: 4762970.7/24



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: 0.108+/-0.147 χ^2/NDF:12.5/7

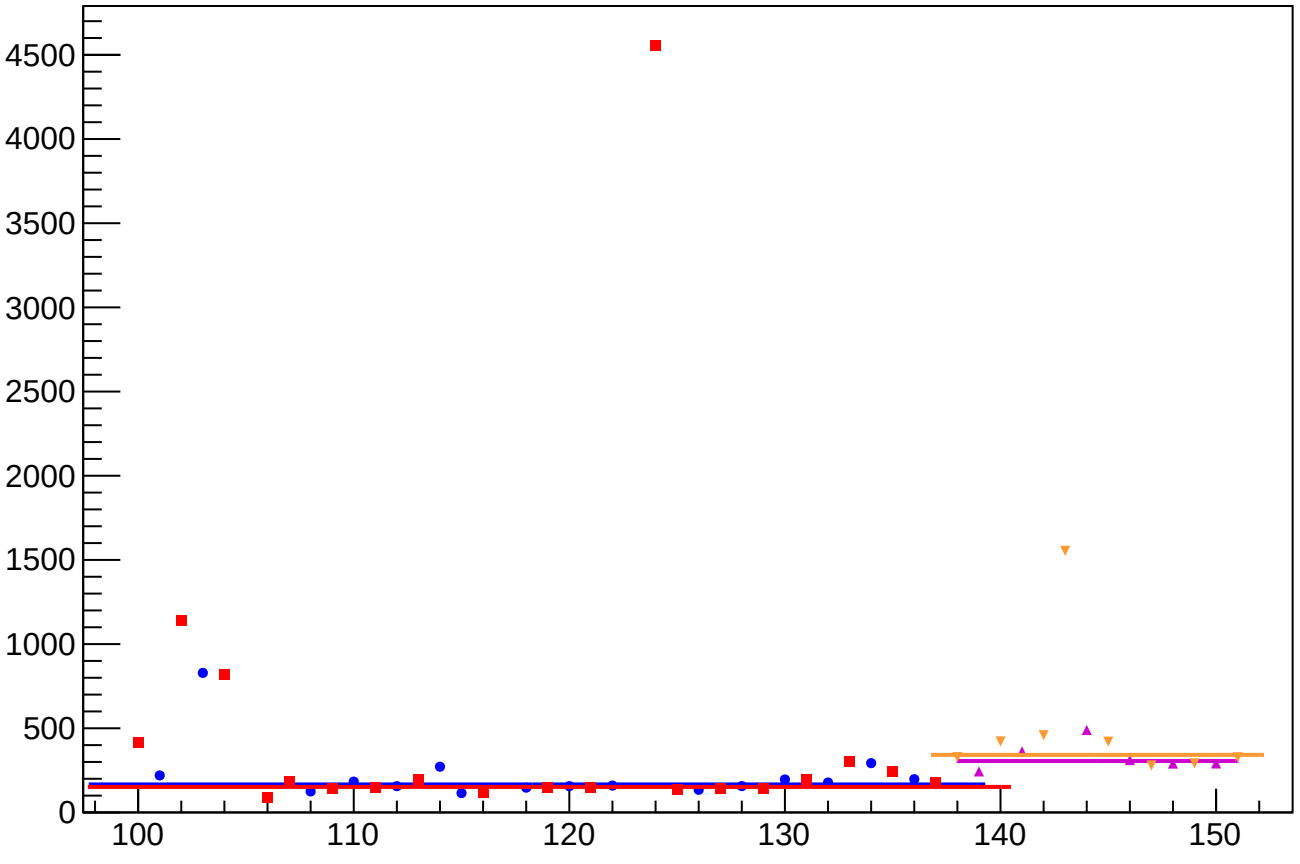
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.154+/-0.138 χ^2/NDF:8.6/5

+ sign -0.024+/-0.061 χ^2/NDF: 28.3/23

All: -0.010+/-0.042 χ^2/NDF: 66.0/48

- sign 0.003+/-0.058 χ^2/NDF: 37.6/24



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 341.938+/-0.104 χ^2/NDF:1298954.6/7

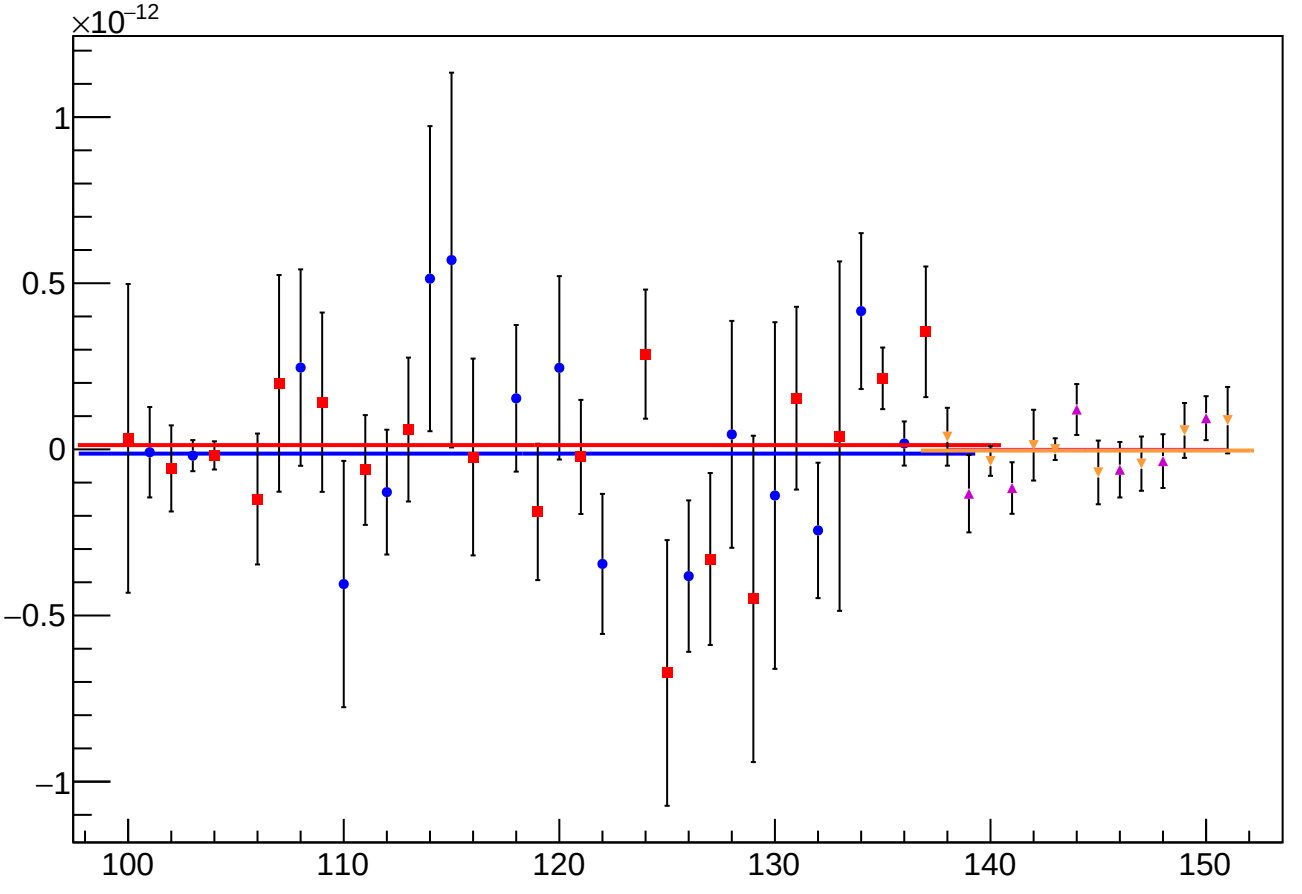
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 305.394+/-0.097 χ^2/NDF:404829.0/5

+ sign 196.318+/-0.043 χ^2/NDF: 4944371.0/23

All: 187.287+/-0.030 χ^2/NDF: 9791842.0/48

- sign 179.041+/-0.041 χ^2/NDF: 4762970.7/24



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.9/7

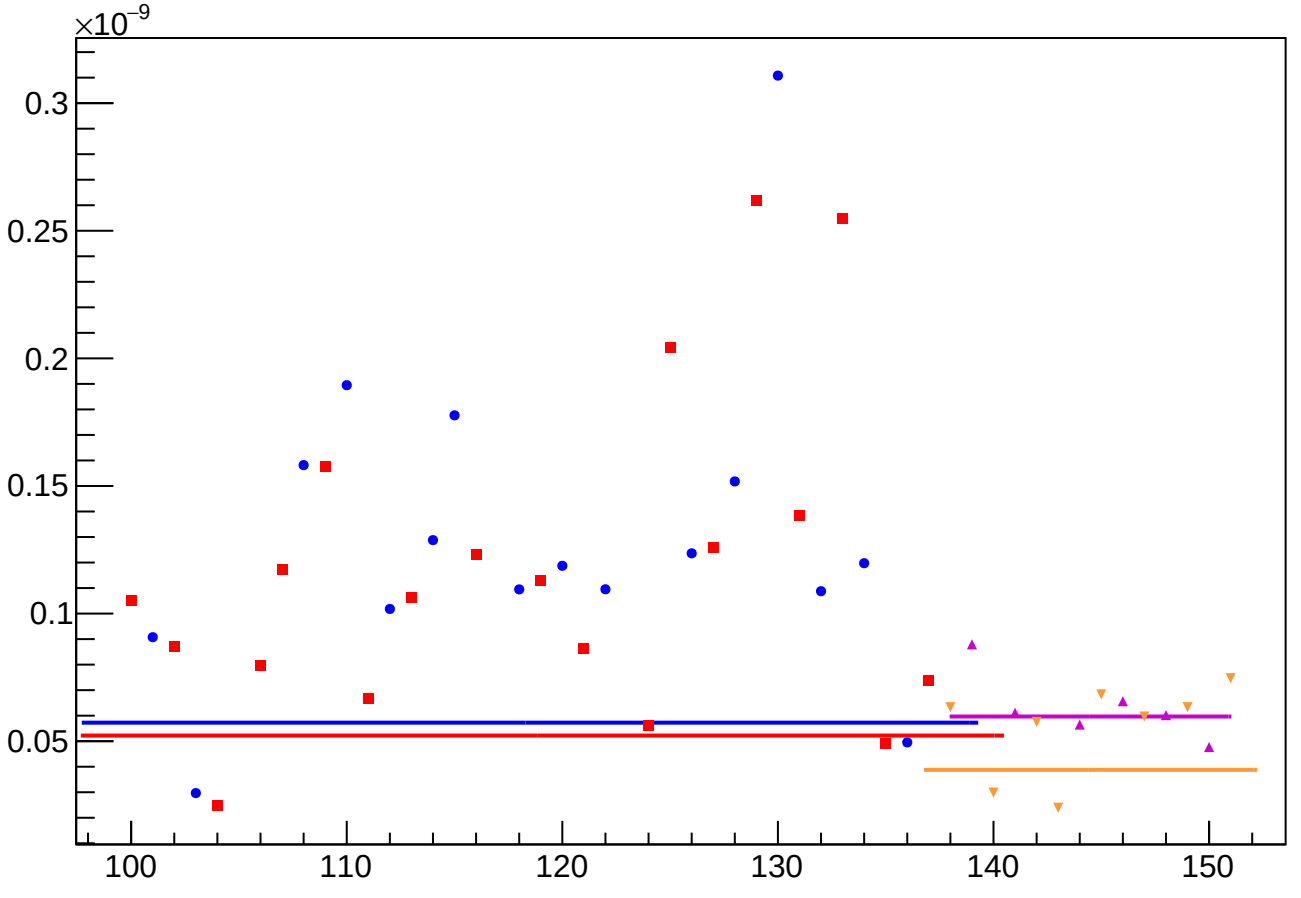
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:8.8/5

+ sign -0.000+/-0.000 χ^2/NDF: 19.0/23

All: -0.000+/-0.000 χ^2/NDF: 47.0/48

- sign 0.000+/-0.000 χ^2/NDF: 27.7/24



Right In: 0.000+/-0.000 χ^2/NDF: 2983121.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1471861.1/7

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

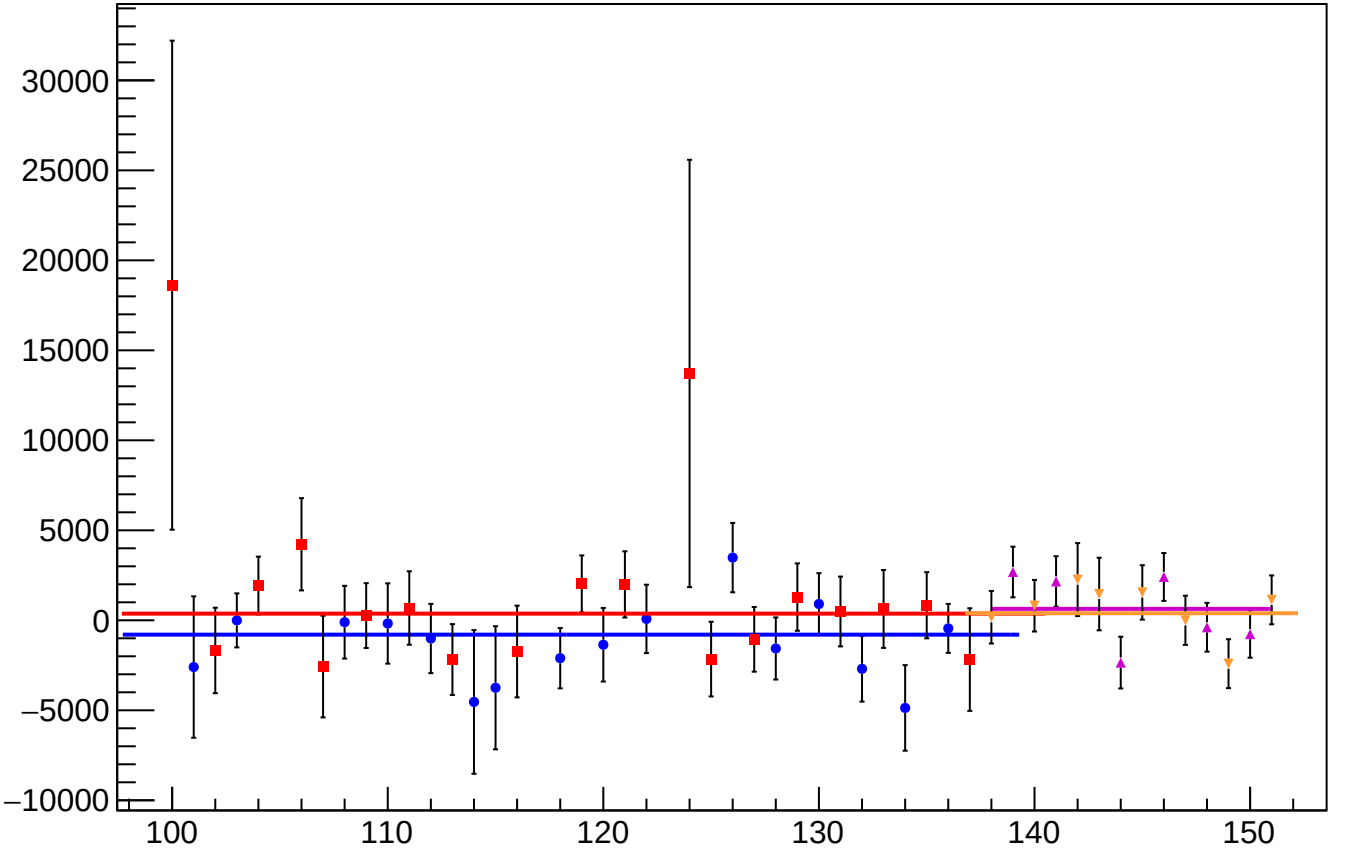
Left In: 0.000+/-0.000 χ^2/NDF:197978.3/5

+ sign 0.000+/-0.000 χ^2/NDF: 4897138.5/23

All: 0.000+/-0.000 χ^2/NDF: 8752981.2/48

- sign 0.000+/-0.000 χ^2/NDF: 3539805.2/24

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: 392.348+/-534.468 χ^2/NDF:6.5/7

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

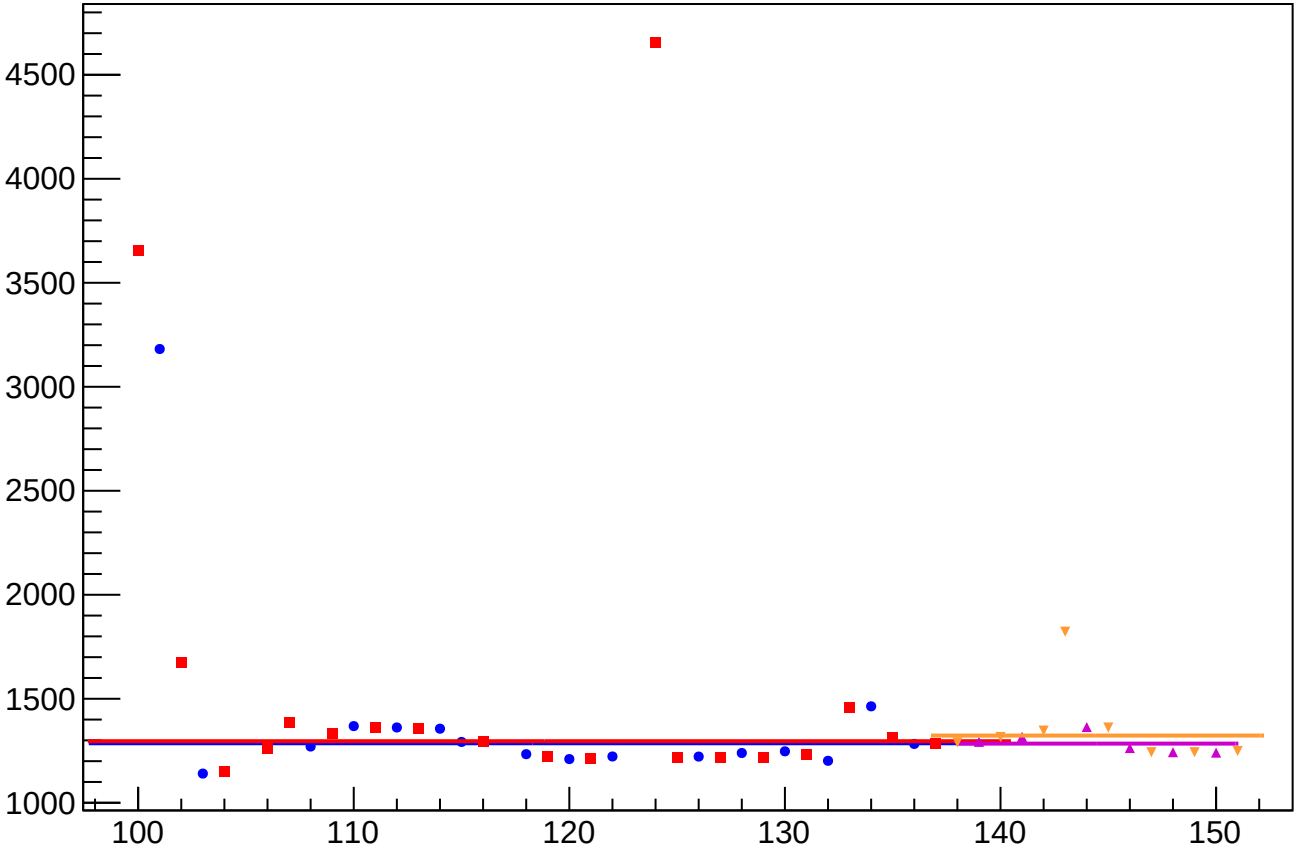
Left In: 635.802+/-559.690 χ^2/NDF:11.1/5

+ sign -257.083+/-360.158 χ^2/NDF: 22.6/23

All: 106.710+/-257.016 χ^2/NDF: 51.5/48

- sign 484.221+/-366.886 χ^2/NDF: 26.8/24

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1323.175+/-0.378 χ^2/NDF:145015.8/7

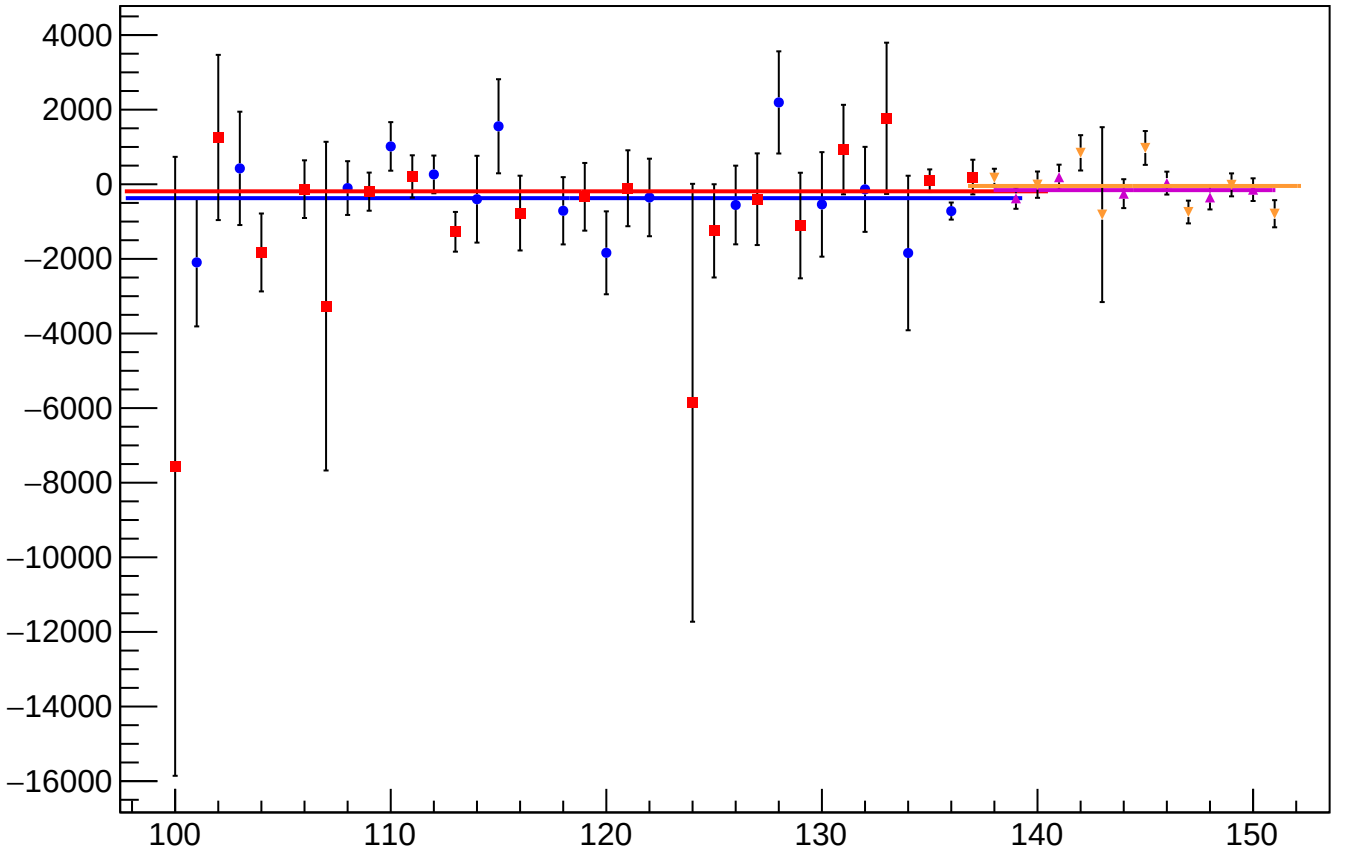
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1284.409+/-0.396 χ^2/NDF:11826.9/5

+ sign 1302.934+/-0.255 χ^2/NDF: 668397.1/23

All: 1297.071+/-0.182 χ^2/NDF: 1009858.3/48

- sign 1290.987+/-0.259 χ^2/NDF: 340381.2/24



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -45.144+/-125.463 χ^2/NDF:18.9/7

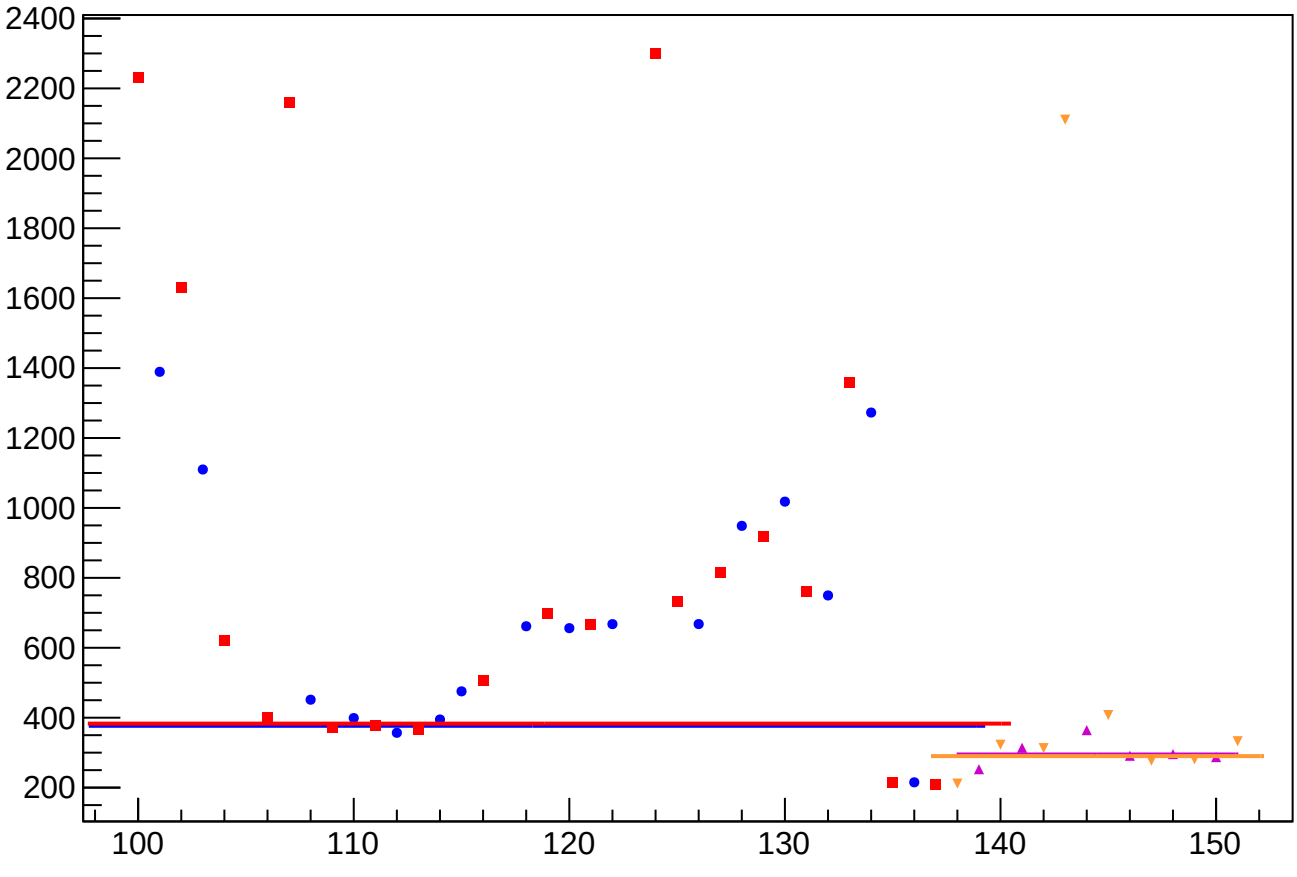
Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: -157.276+/-130.070 χ^2/NDF:2.5/5

+ sign -162.104+/-100.568 χ^2/NDF: 39.5/23

All: -165.466+/-72.027 χ^2/NDF: 56.7/48

- sign -169.007+/-103.206 χ^2/NDF: 17.1/24



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 290.119+/-0.089 χ^2/NDF:1606586.2/7

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

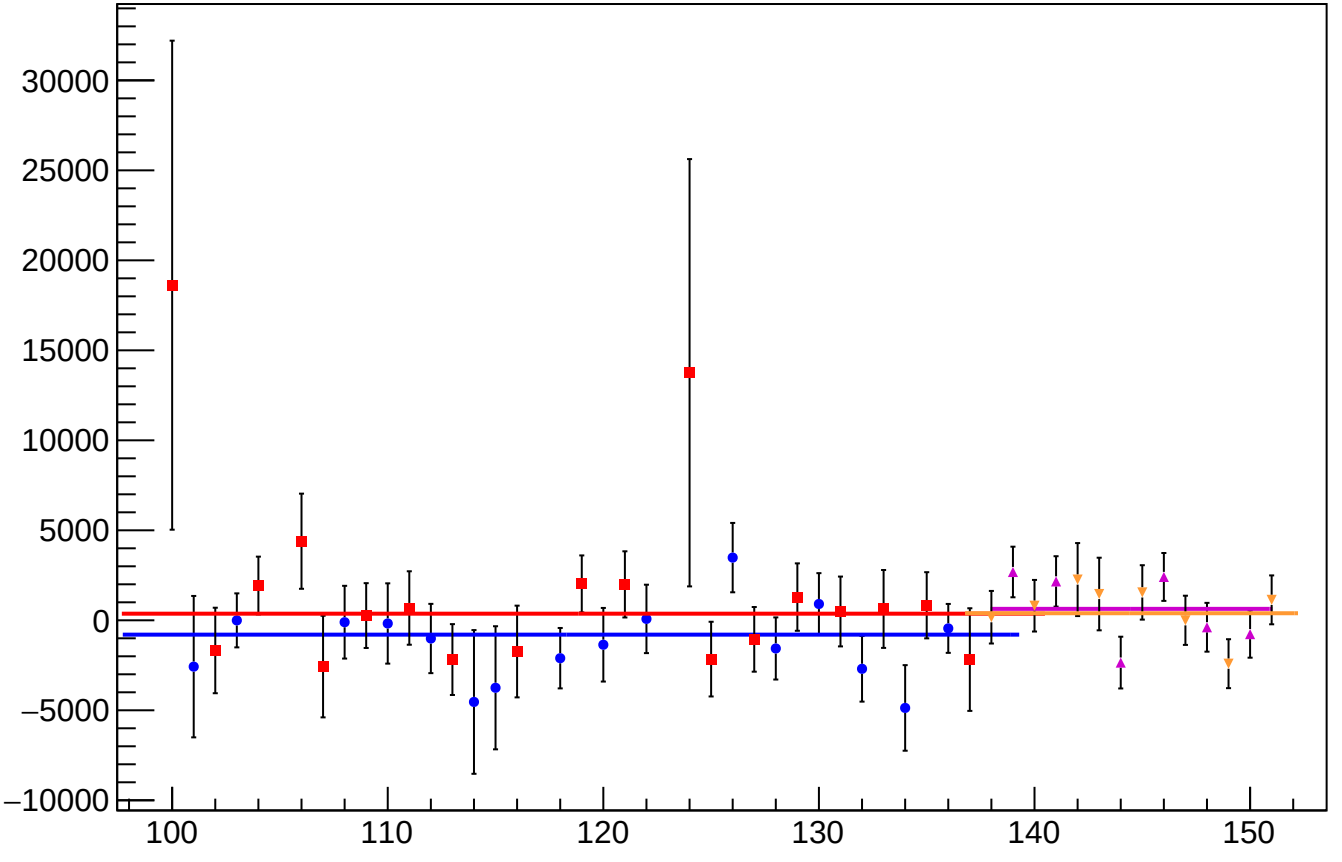
Left In: 294.720+/-0.092 χ^2/NDF:117258.5/5

\+ sign 321.139+/-0.071 χ^2/NDF: 6138774.8/23

All: 324.211+/-0.051 χ^2/NDF: 10655818.4/48

\- sign 327.447+/-0.073 χ^2/NDF: 4513210.5/24

cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 392.327+/-534.468 χ^2/NDF:6.5/7

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

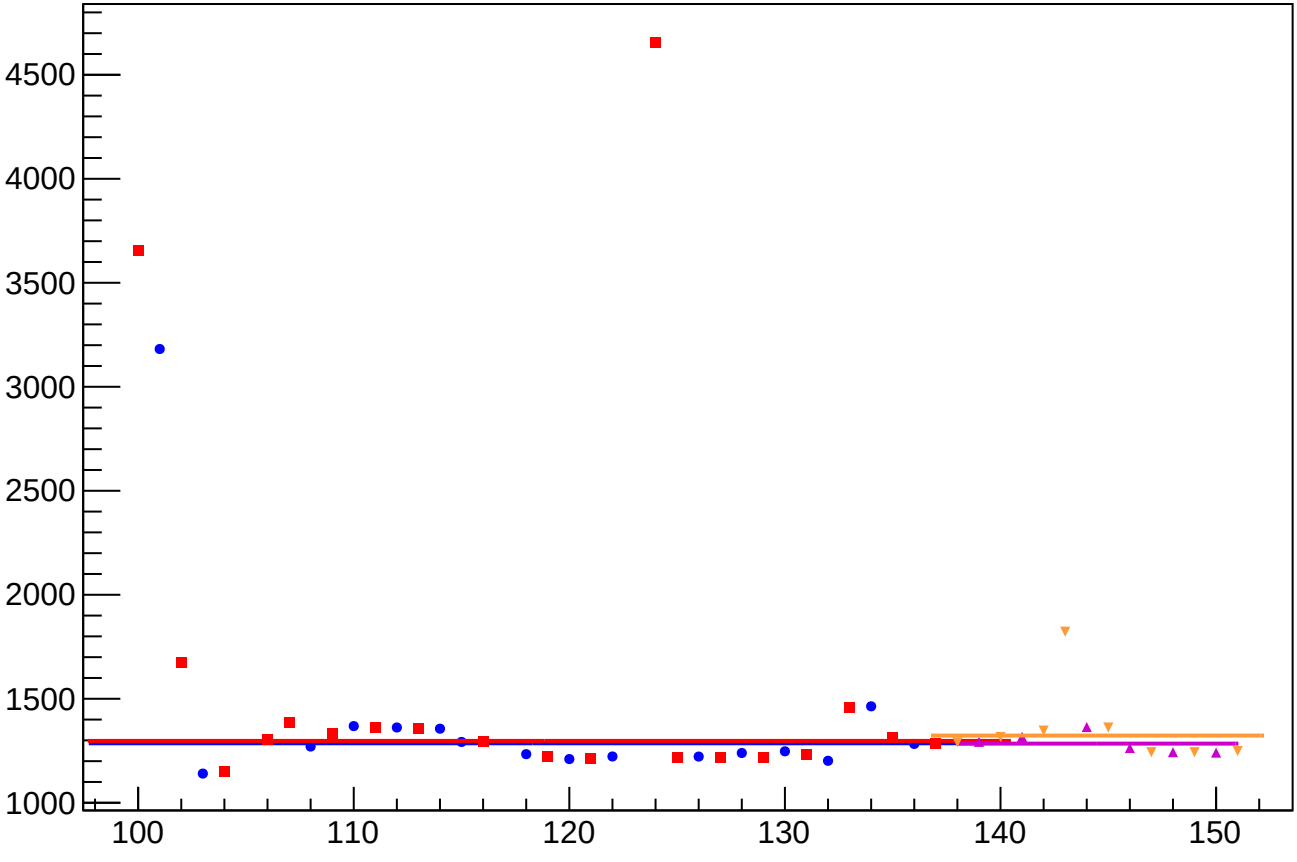
Left In: 635.849+/-559.690 χ^2/NDF:11.1/5

+ sign -256.873+/-360.158 χ^2/NDF: 22.6/23

All: 105.960+/-257.093 χ^2/NDF: 51.6/48

- sign 482.938+/-367.111 χ^2/NDF: 26.9/24

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1323.175+/-0.378 χ^2/NDF:145015.8/7

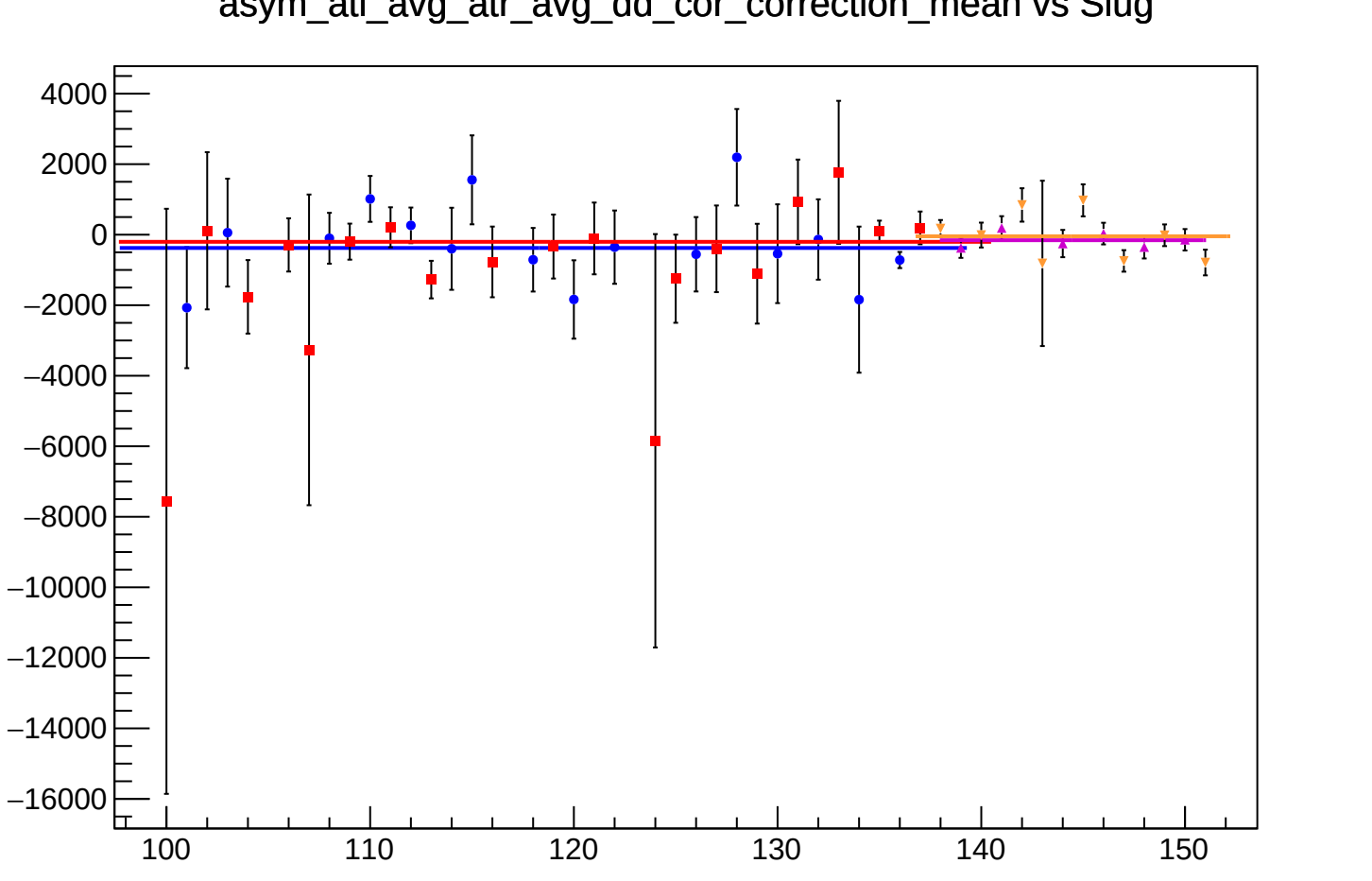
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1284.409+/-0.396 χ^2/NDF:11826.9/5

+ sign 1302.934+/-0.255 χ^2/NDF: 668398.6/23

All: 1297.477+/-0.182 χ^2/NDF: 1009516.7/48

- sign 1291.807+/-0.260 χ^2/NDF: 340182.0/24



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -45.186+/-125.467 χ^2/NDF:18.9/7

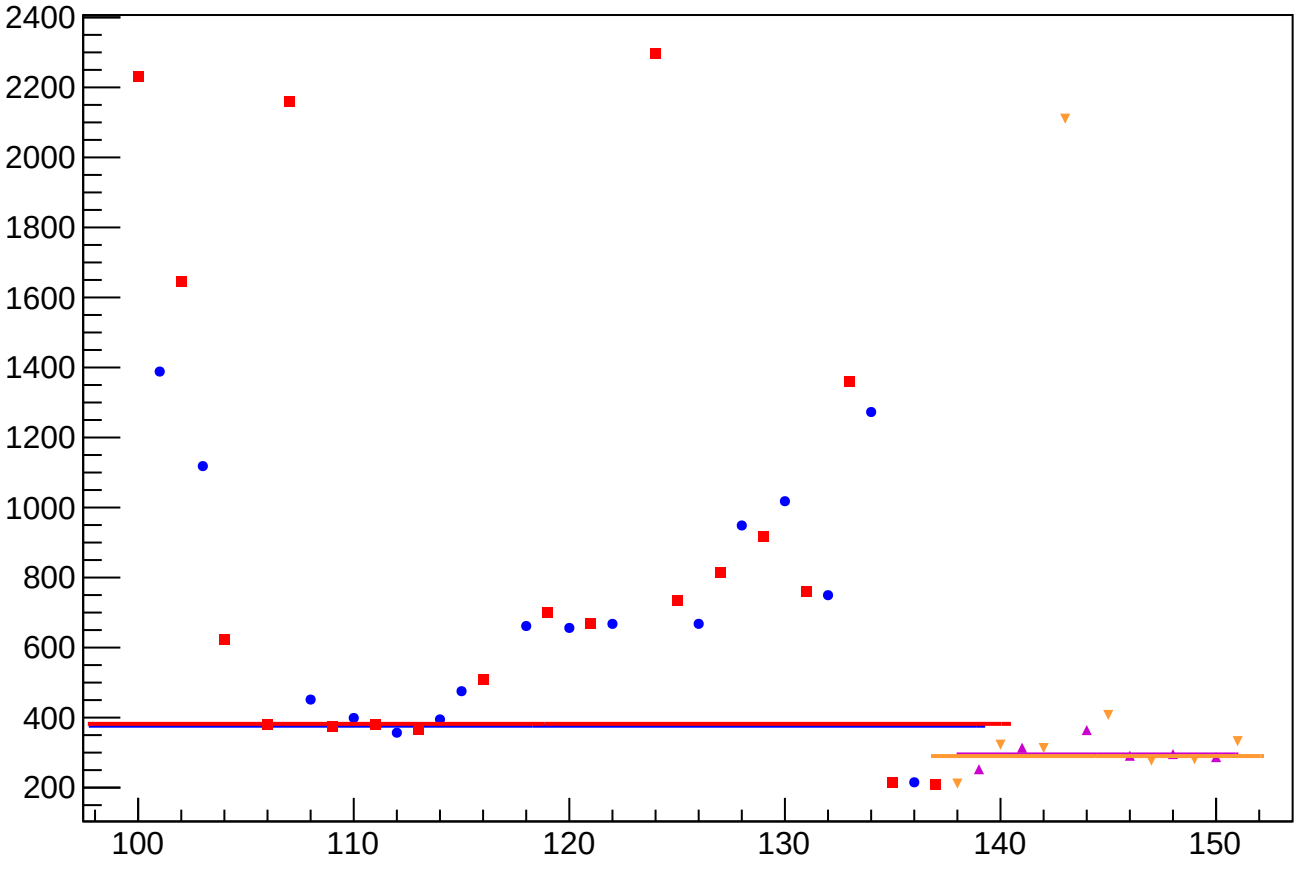
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -157.327+/-130.068 χ^2/NDF:2.5/5

+ sign -163.707+/-100.574 χ^2/NDF: 39.4/23

All: -168.699+/-72.014 χ^2/NDF: 55.9/48

- sign -173.952+/-103.161 χ^2/NDF: 16.6/24



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 290.130+/-0.089 χ^2/NDF:1606585.3/7

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

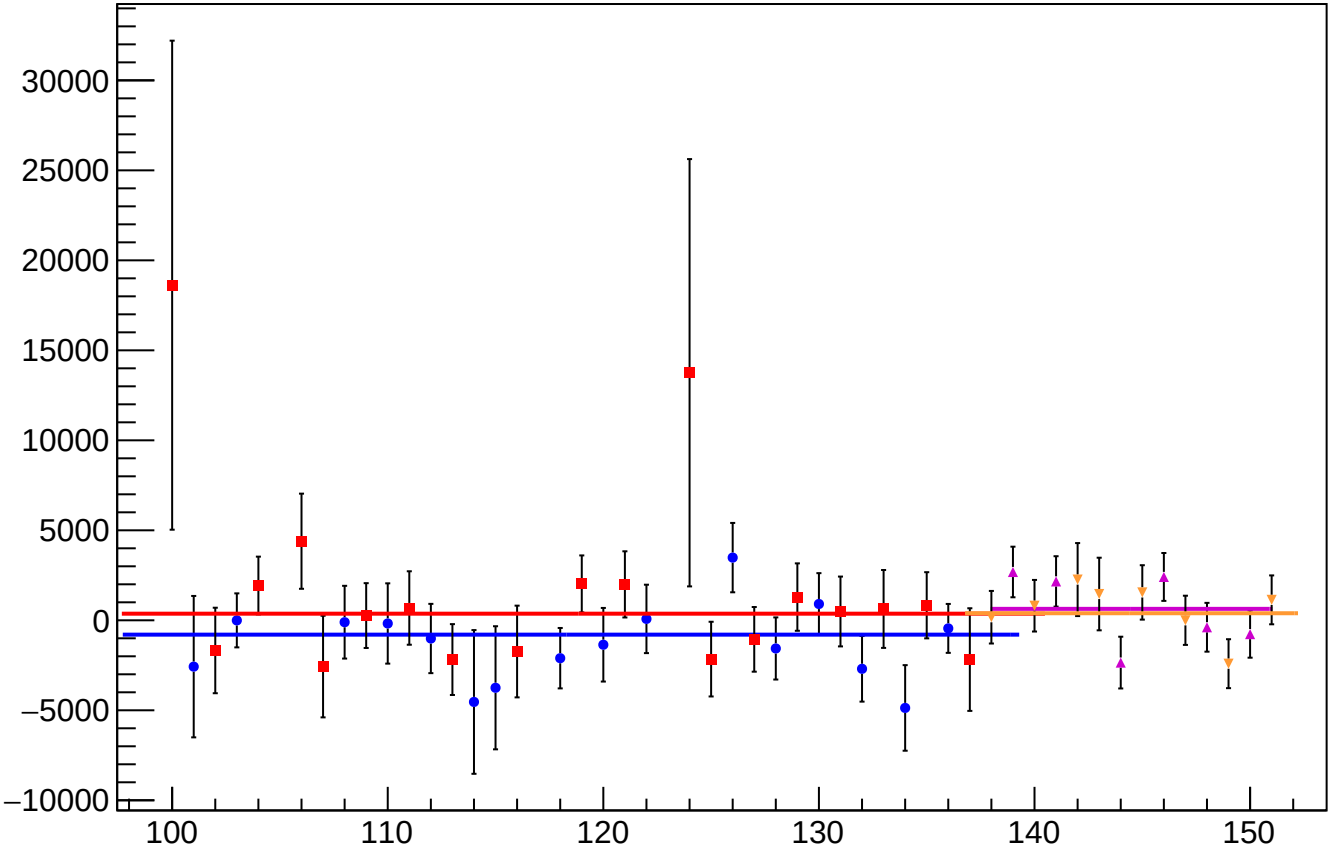
Left In: 294.717+/-0.092 χ^2/NDF:117243.7/5

+ sign 321.139+/-0.071 χ^2/NDF: 6141695.6/23

All: 324.066+/-0.051 χ^2/NDF: 10657145.1/48

- sign 327.145+/-0.073 χ^2/NDF: 4511973.7/24

eigen_cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 392.327+/-534.468 χ^2/NDF:6.5/7

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

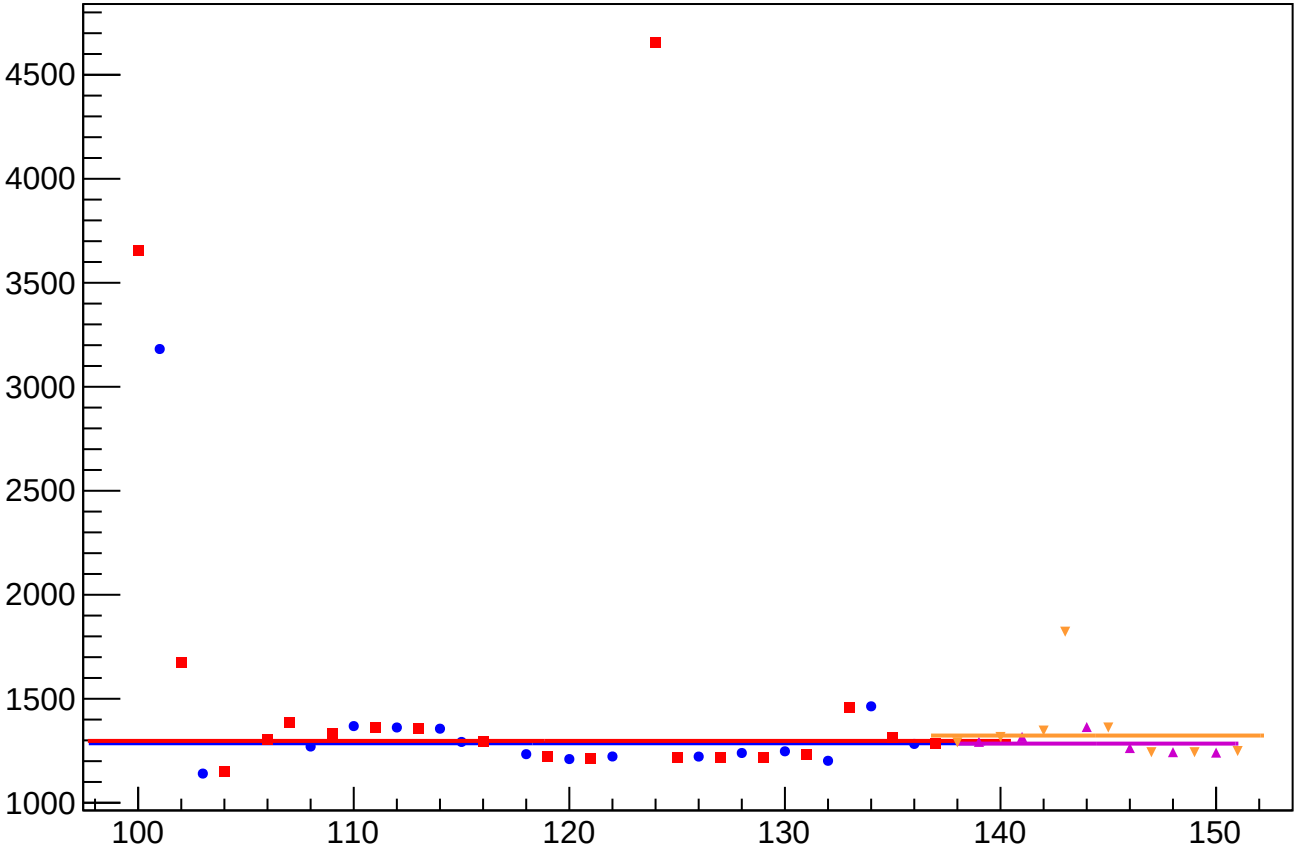
Left In: 635.849+/-559.690 χ^2/NDF:11.1/5

+ sign -256.873+/-360.158 χ^2/NDF: 22.6/23

All: 105.960+/-257.093 χ^2/NDF: 51.6/48

- sign 482.938+/-367.111 χ^2/NDF: 26.9/24

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: 1323.175+/-0.378 χ^2/NDF:145015.8/7

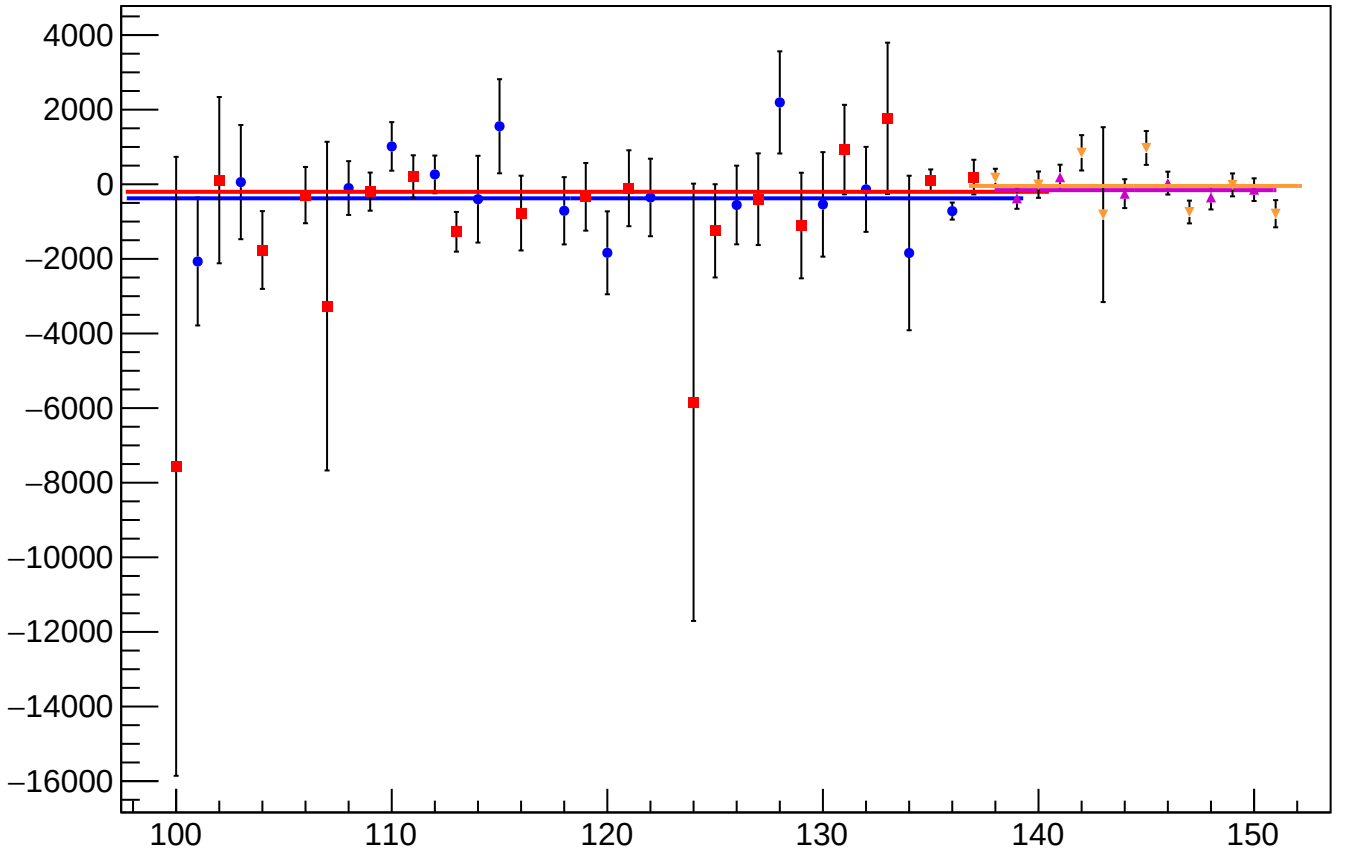
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1284.409+/-0.396 χ^2/NDF:11826.9/5

+ sign 1302.934+/-0.255 χ^2/NDF: 668398.6/23

All: 1297.477+/-0.182 χ^2/NDF: 1009516.7/48

- sign 1291.807+/-0.260 χ^2/NDF: 340182.0/24



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -45.186+/-125.467 χ^2/NDF:18.9/7

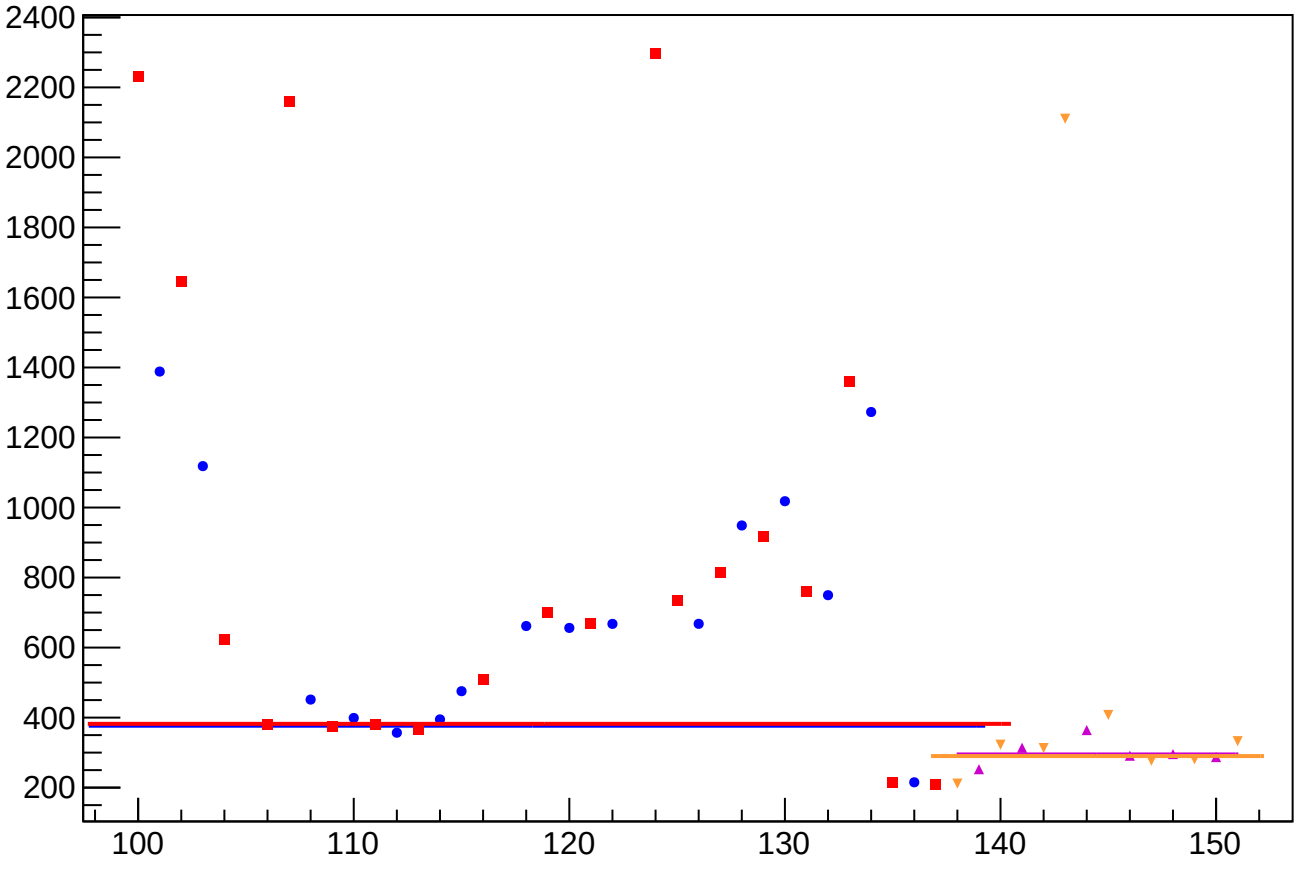
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -157.327+/-130.068 χ^2/NDF:2.5/5

+ sign -163.707+/-100.574 χ^2/NDF: 39.4/23

All: -168.699+/-72.014 χ^2/NDF: 55.9/48

- sign -173.952+/-103.161 χ^2/NDF: 16.6/24



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 290.130+/-0.089 χ^2/NDF:1606585.3/7

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

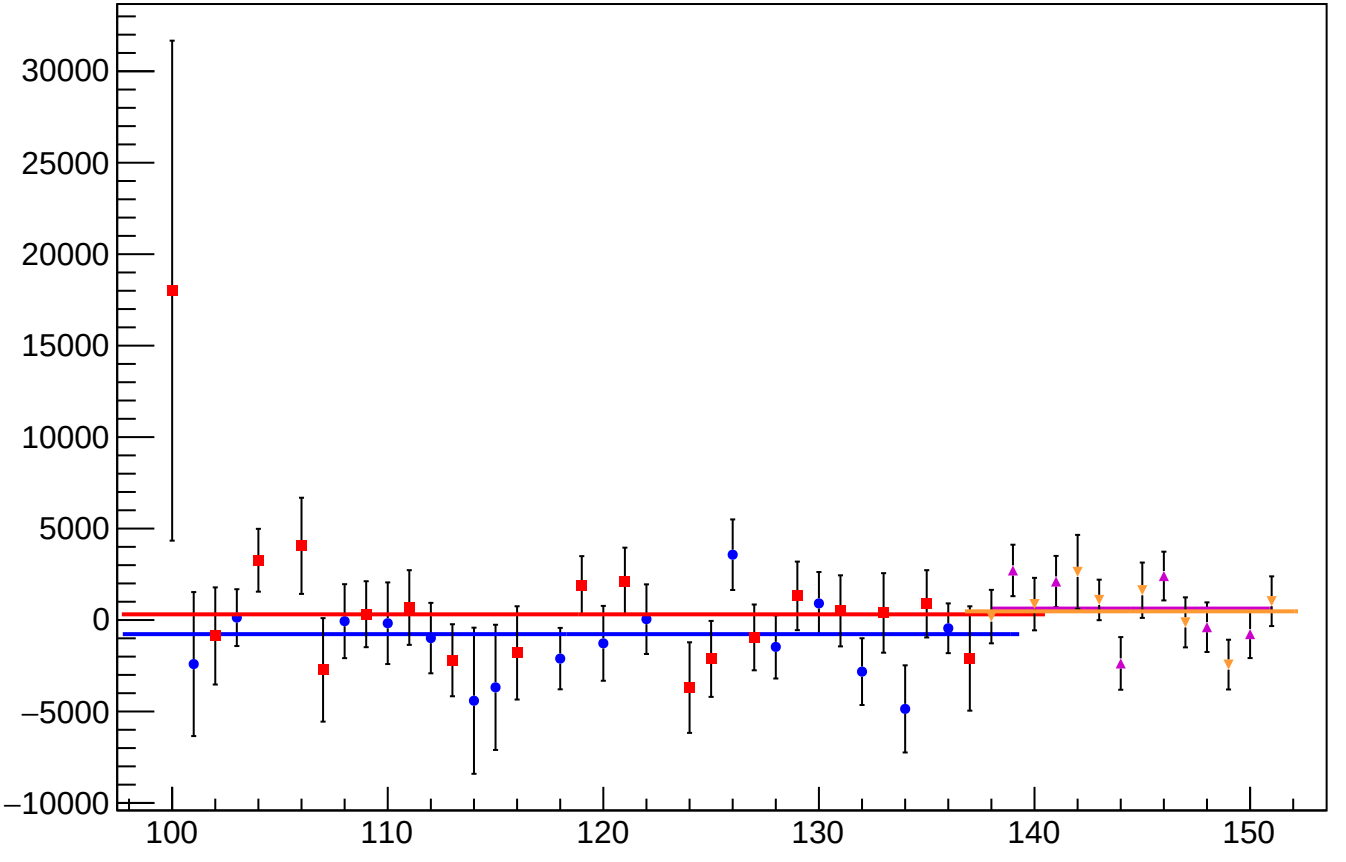
Left In: 294.717+/-0.092 χ^2/NDF:117243.7/5

+ sign 321.139+/-0.071 χ^2/NDF: 6141695.6/23

All: 324.066+/-0.051 χ^2/NDF: 10657145.1/48

- sign 327.145+/-0.073 χ^2/NDF: 4511973.7/24

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: 475.610+/-495.763 χ^2/NDF:7.1/7

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

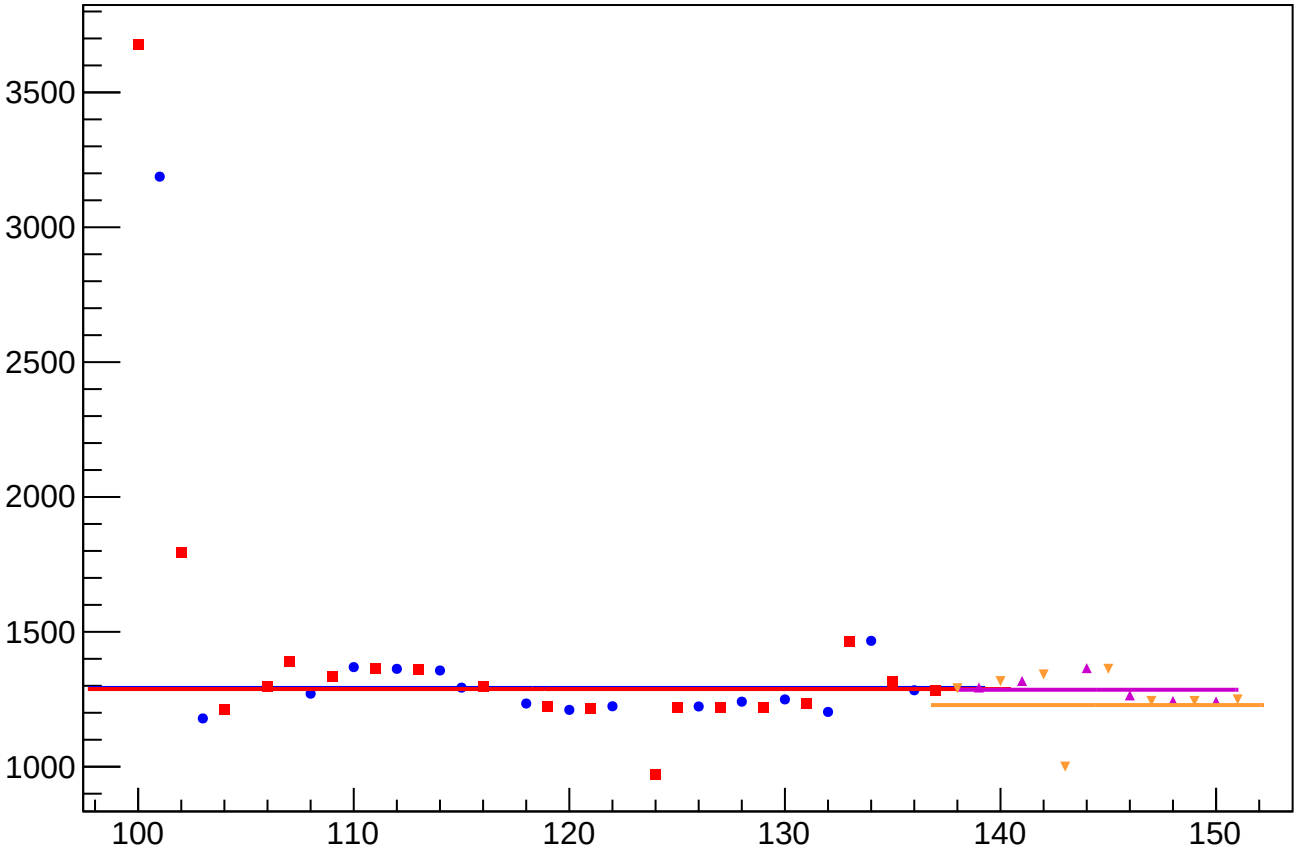
Left In: 625.530+/-560.105 χ^2/NDF:11.1/5

+ sign -155.741+/-348.359 χ^2/NDF: 23.9/23

All: 130.238+/-252.210 χ^2/NDF: 54.6/48

- sign 445.267+/-365.625 χ^2/NDF: 29.3/24

dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1228.585+/-0.351 χ^2/NDF:119342.2/7

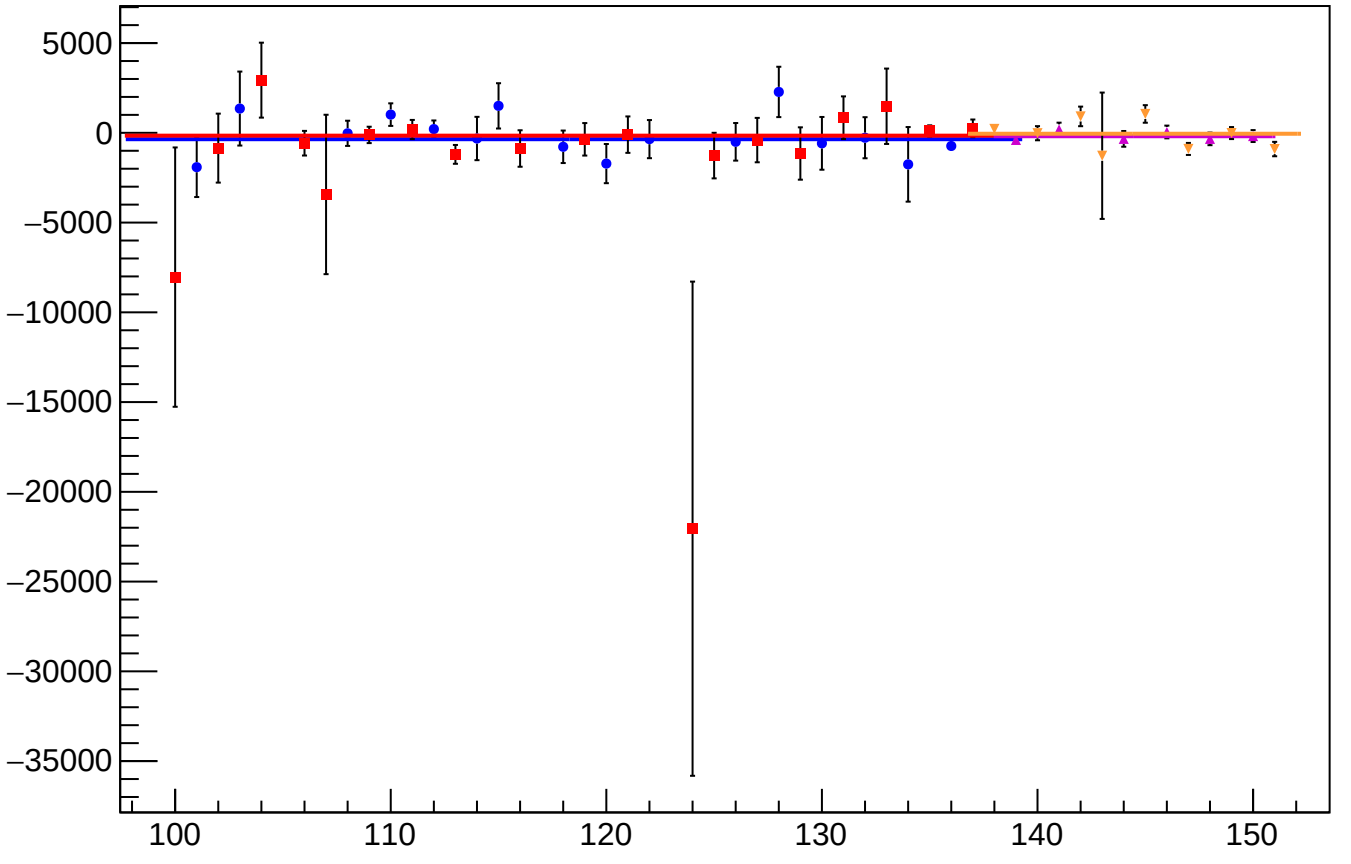
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1285.350+/-0.396 χ^2/NDF:11910.9/5

+ sign 1260.708+/-0.246 χ^2/NDF: 645334.6/23

All: 1273.154+/-0.178 χ^2/NDF: 871844.7/48

- sign 1286.864+/-0.259 χ^2/NDF: 221145.2/24



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -51.724+/-134.871 χ^2/NDF:20.5/7

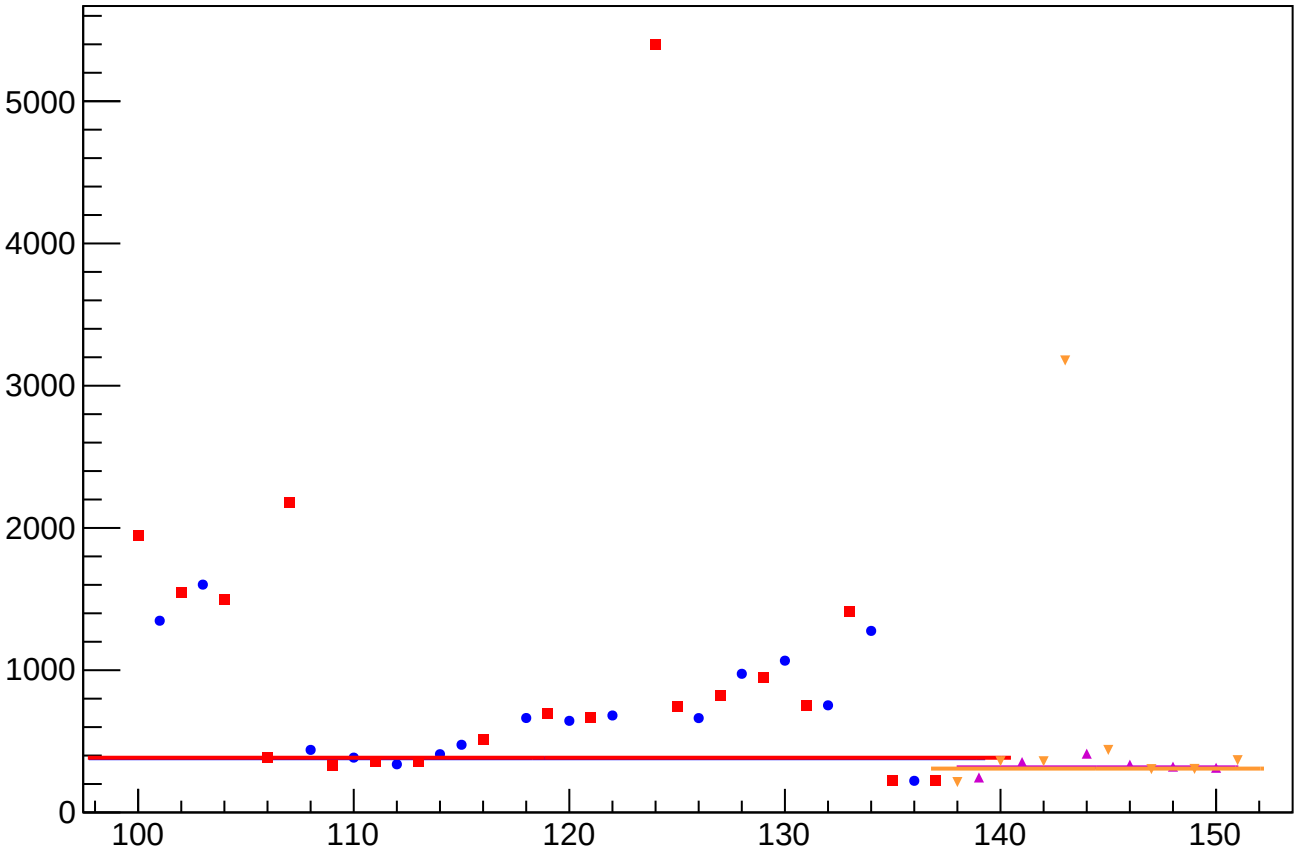
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -189.832+/-140.942 χ^2/NDF:2.3/5

+ sign -168.987+/-105.651 χ^2/NDF: 40.9/23

All: -172.794+/-75.665 χ^2/NDF: 59.0/48

- sign -176.804+/-108.414 χ^2/NDF: 18.1/24



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 308.361+/-0.095 χ^2/NDF:1870928.1/7

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

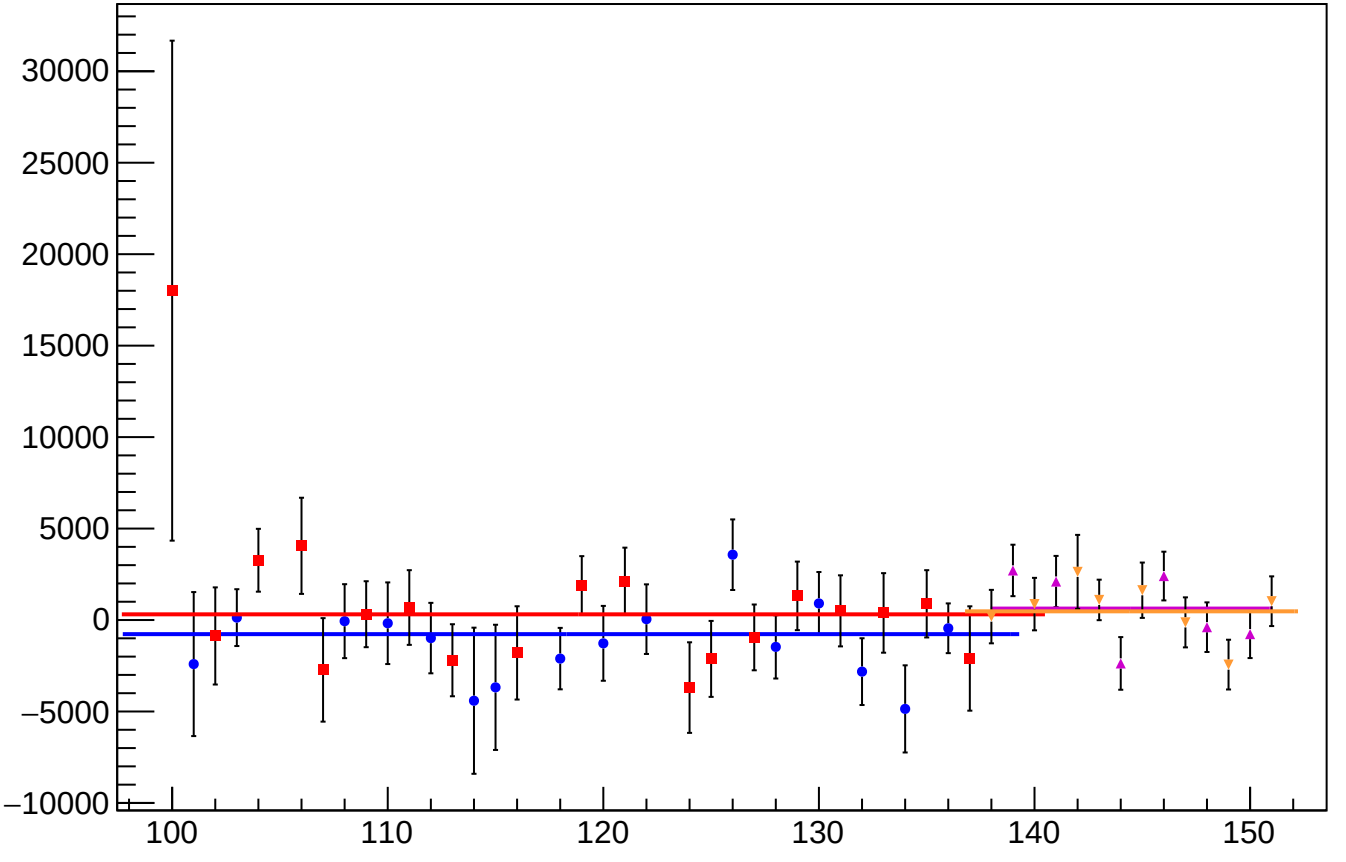
Left In: 317.095+/-0.100 χ^2/NDF:254082.3/5

+ sign 336.561+/-0.075 χ^2/NDF: 6415156.8/23

All: 340.515+/-0.054 χ^2/NDF: 11422813.6/48

- sign 344.679+/-0.077 χ^2/NDF: 5001905.9/24

eigen_dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: 475.610+/-495.763 χ^2/NDF:7.1/7

Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

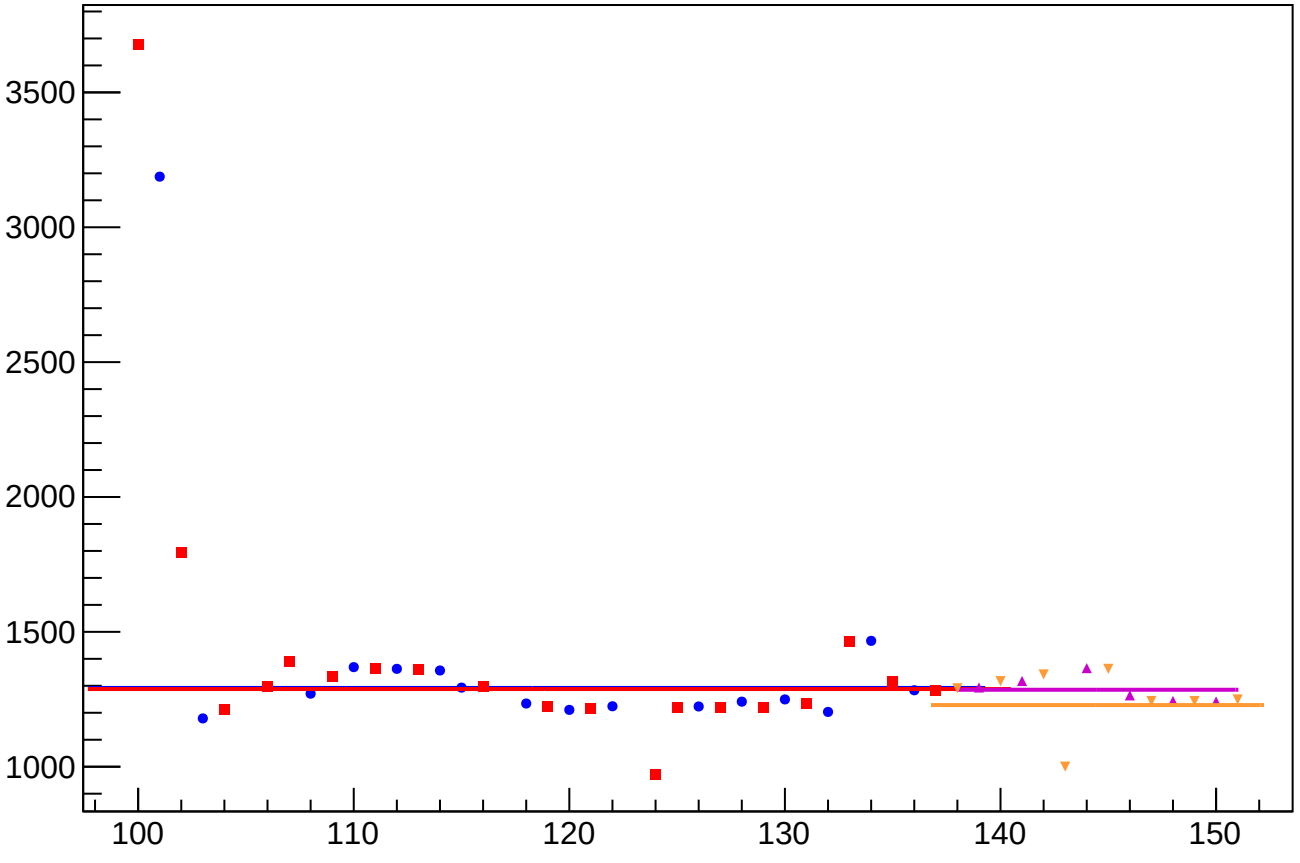
Left In: 625.526+/-560.105 χ^2/NDF:11.1/5

+ sign -155.743+/-348.359 χ^2/NDF: 23.9/23

All: 130.237+/-252.210 χ^2/NDF: 54.6/48

- sign 445.267+/-365.625 χ^2/NDF: 29.3/24

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: 1228.586+/-0.351 χ^2/NDF:119341.5/7

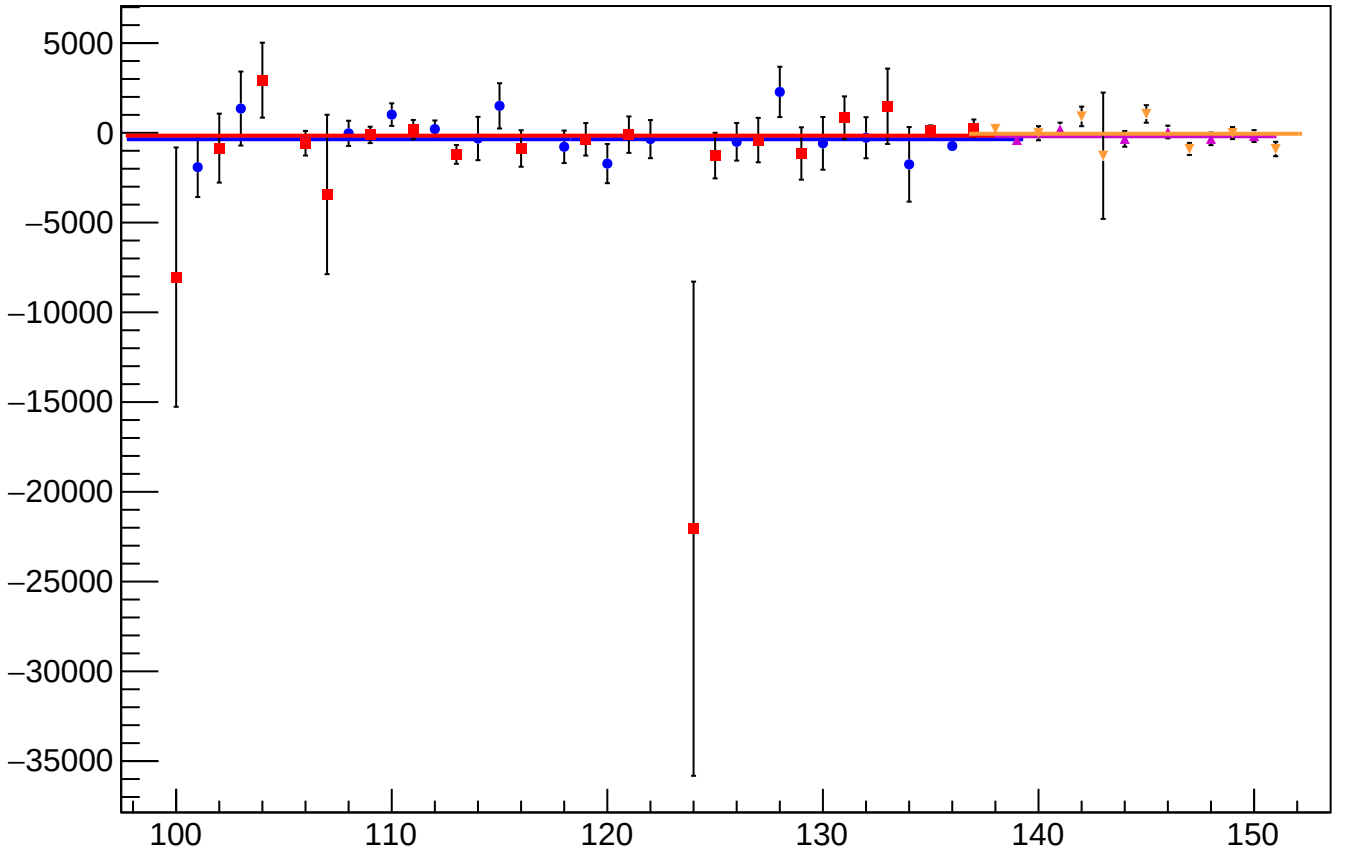
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1285.350+/-0.396 χ^2/NDF:11911.0/5

+ sign 1260.709+/-0.246 χ^2/NDF: 645333.7/23

All: 1273.154+/-0.178 χ^2/NDF: 871844.0/48

- sign 1286.864+/-0.259 χ^2/NDF: 221145.5/24



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -51.734+/-134.873 χ^2/NDF:20.5/7

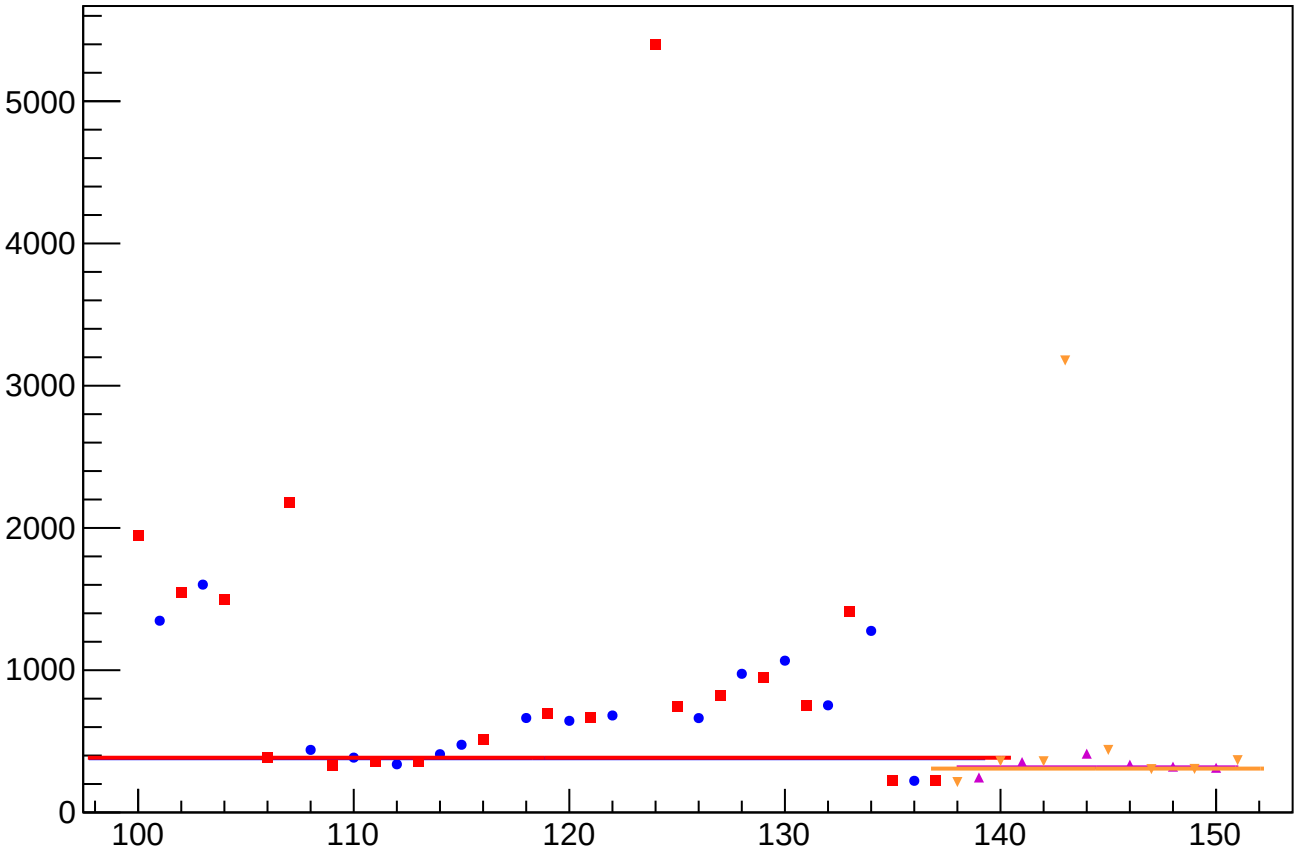
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -189.833+/-140.944 χ^2/NDF:2.3/5

+ sign -168.993+/-105.653 χ^2/NDF: 40.9/23

All: -172.799+/-75.666 χ^2/NDF: 59.0/48

- sign -176.807+/-108.416 χ^2/NDF: 18.1/24



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 308.368+/-0.095 χ^2/NDF:1870813.5/7

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

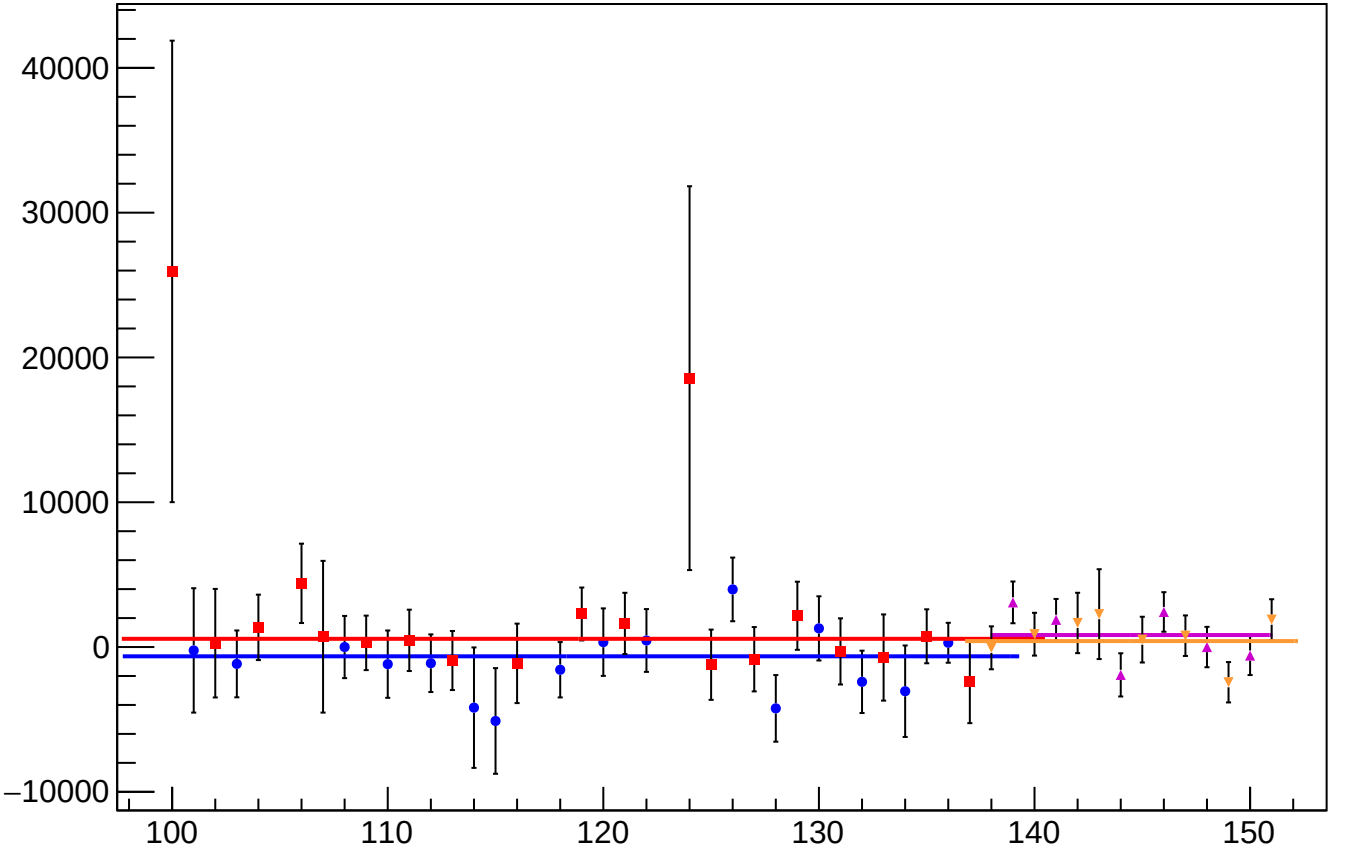
Left In: 317.100+/-0.100 χ^2/NDF:254013.7/5

+ sign 336.570+/-0.075 χ^2/NDF: 6414865.7/23

All: 340.522+/-0.054 χ^2/NDF: 11422319.9/48

- sign 344.685+/-0.077 χ^2/NDF: 5001706.5/24

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 411.687+/-561.099 χ^2/NDF:6.3/7

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

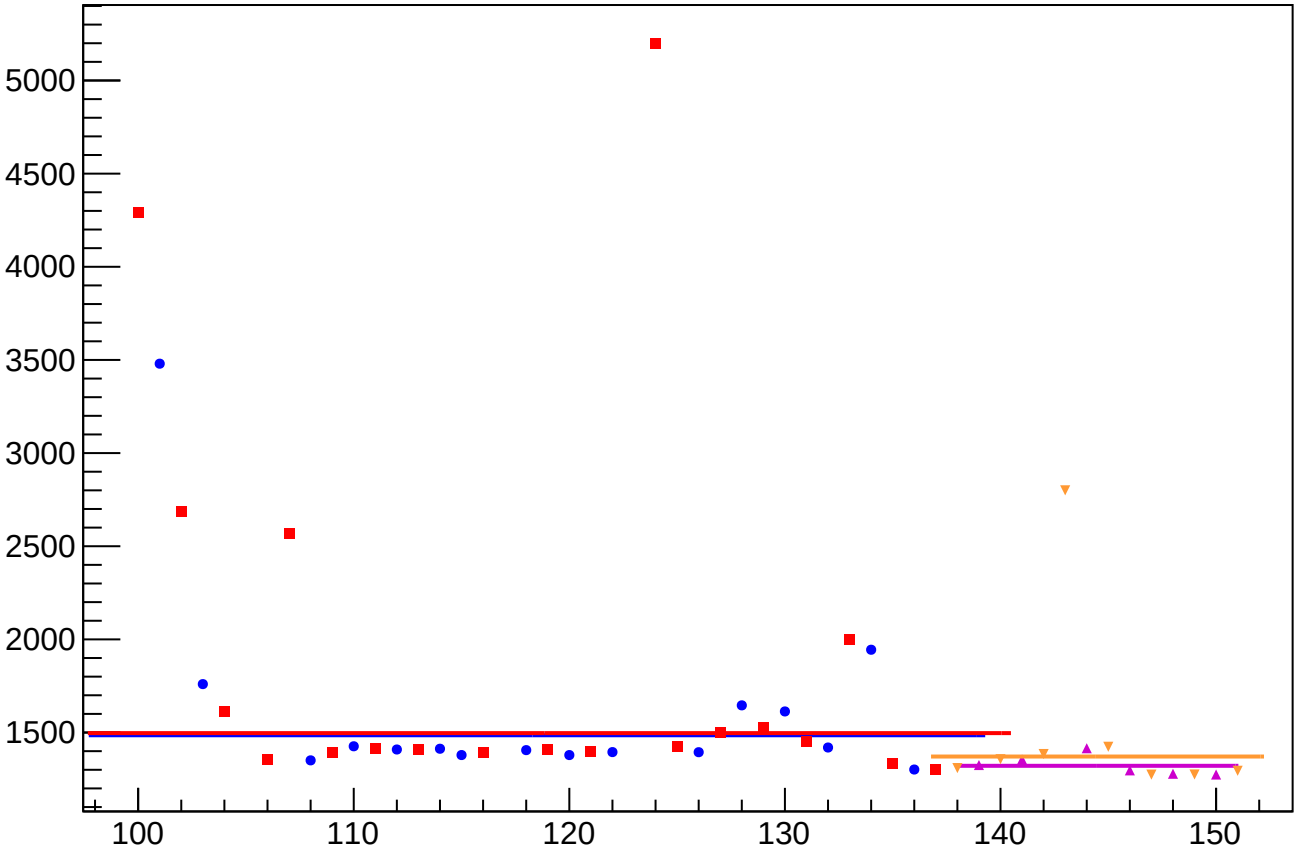
Left In: 828.911+/-575.894 χ^2/NDF:9.2/5

+ sign -111.513+/-397.907 χ^2/NDF: 20.5/23

All: 286.150+/-283.477 χ^2/NDF: 43.2/48

- sign 695.994+/-403.956 χ^2/NDF: 20.6/24

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1371.200+/-0.397 χ^2/NDF:455087.4/7

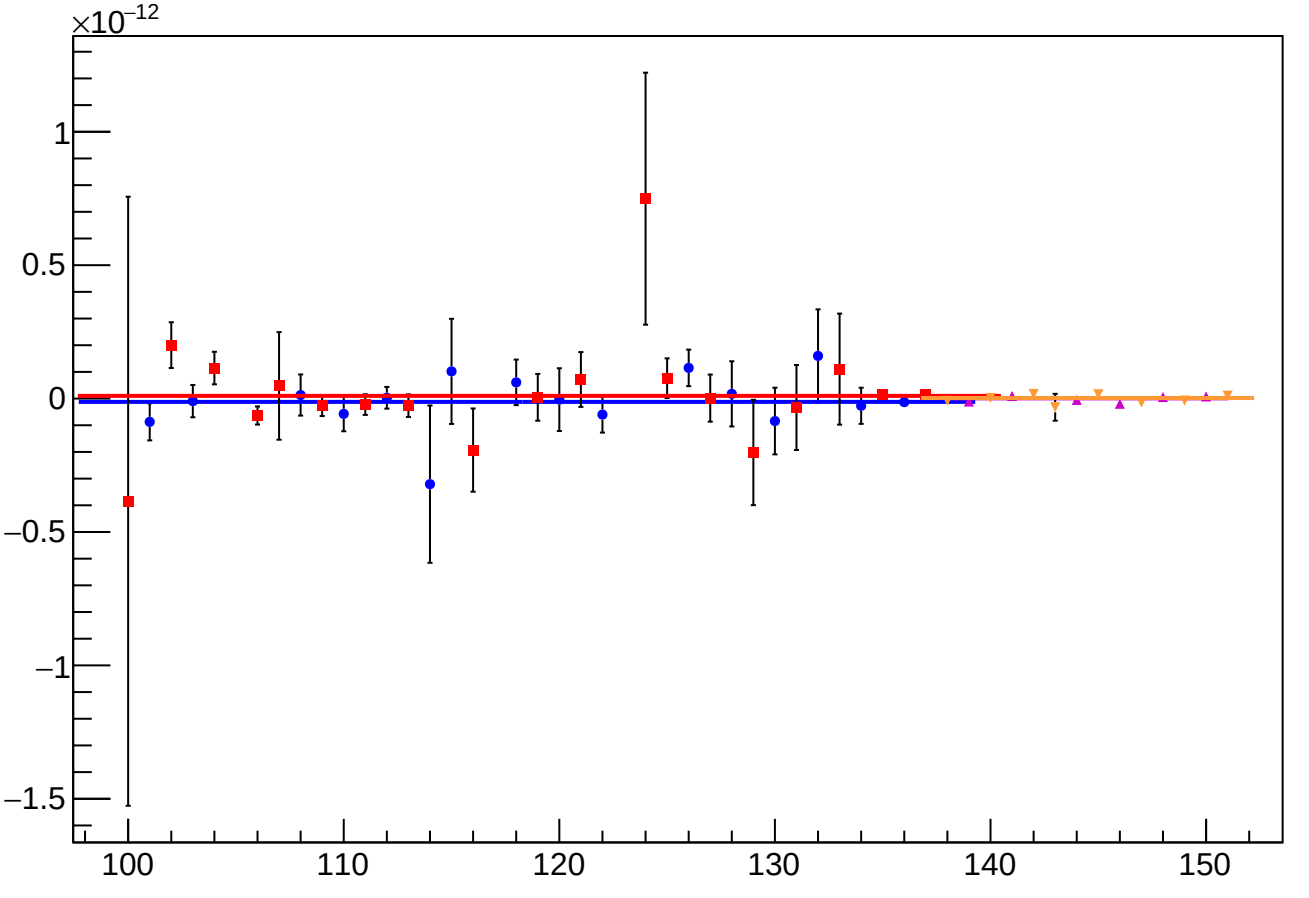
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1321.392+/-0.407 χ^2/NDF:14037.0/5

+ sign 1427.954+/-0.281 χ^2/NDF: 1080720.0/23

All: 1419.373+/-0.200 χ^2/NDF: 1814261.3/48

- sign 1410.529+/-0.286 χ^2/NDF: 731652.6/24



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.8/7

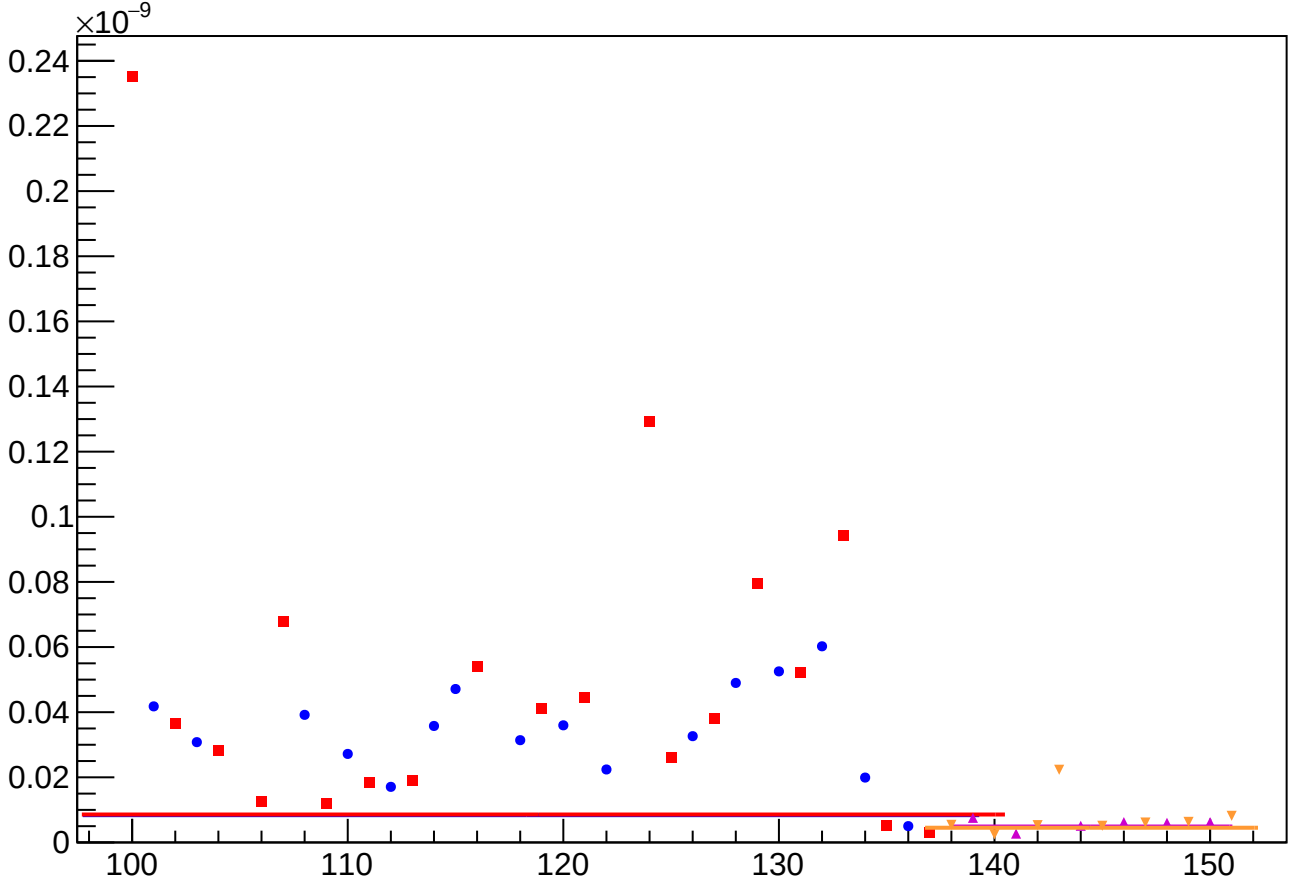
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:8.8/5

+ sign -0.000+/-0.000 χ^2/NDF: 22.5/23

All: 0.000+/-0.000 χ^2/NDF: 55.1/48

- sign 0.000+/-0.000 χ^2/NDF: 32.3/24



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:910322.7/7

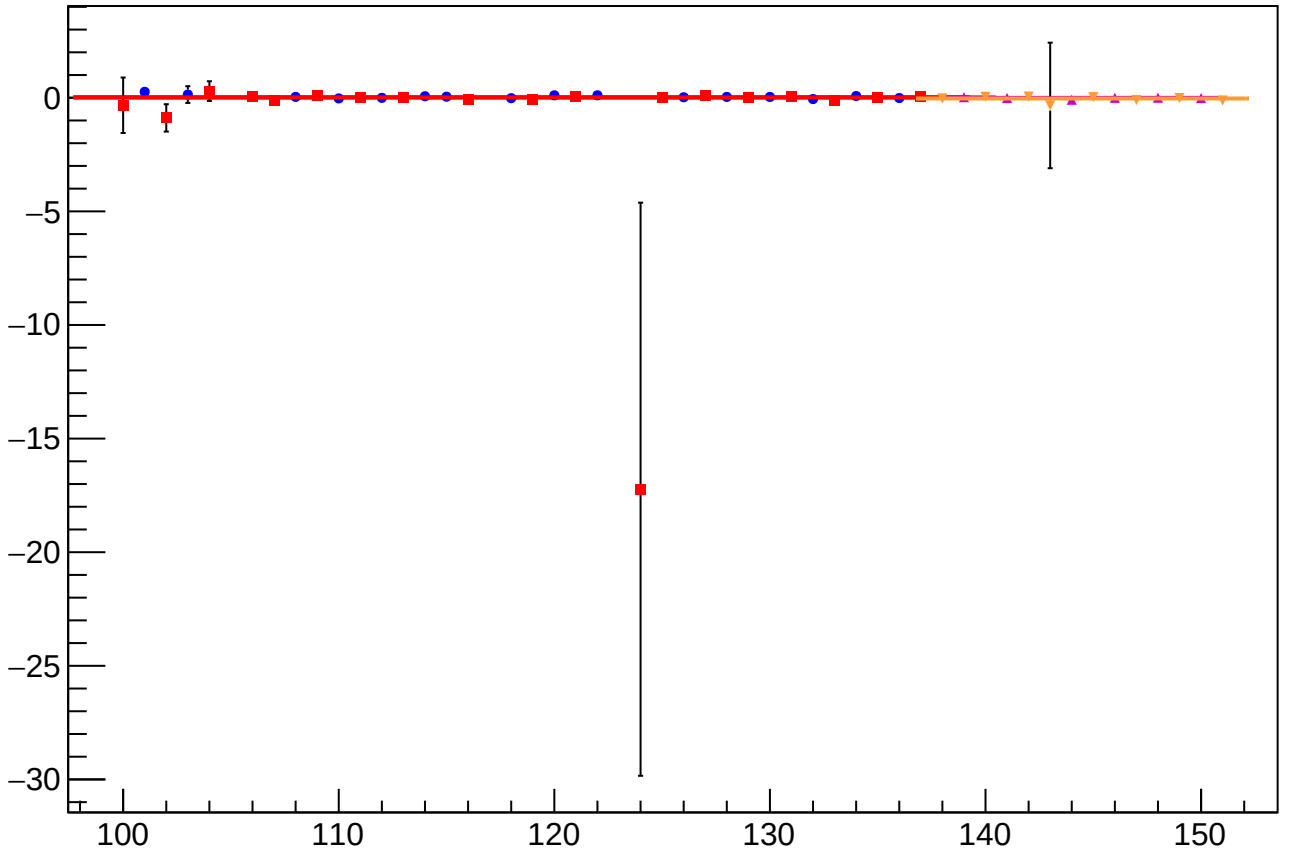
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:497850.9/5

+ sign 0.000+/-0.000 χ^2/NDF: 4426698.4/23

All: 0.000+/-0.000 χ^2/NDF: 8642684.9/48

- sign 0.000+/-0.000 χ^2/NDF: 4201718.5/24



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.032+/-0.014 χ^2/NDF:15.0/7

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

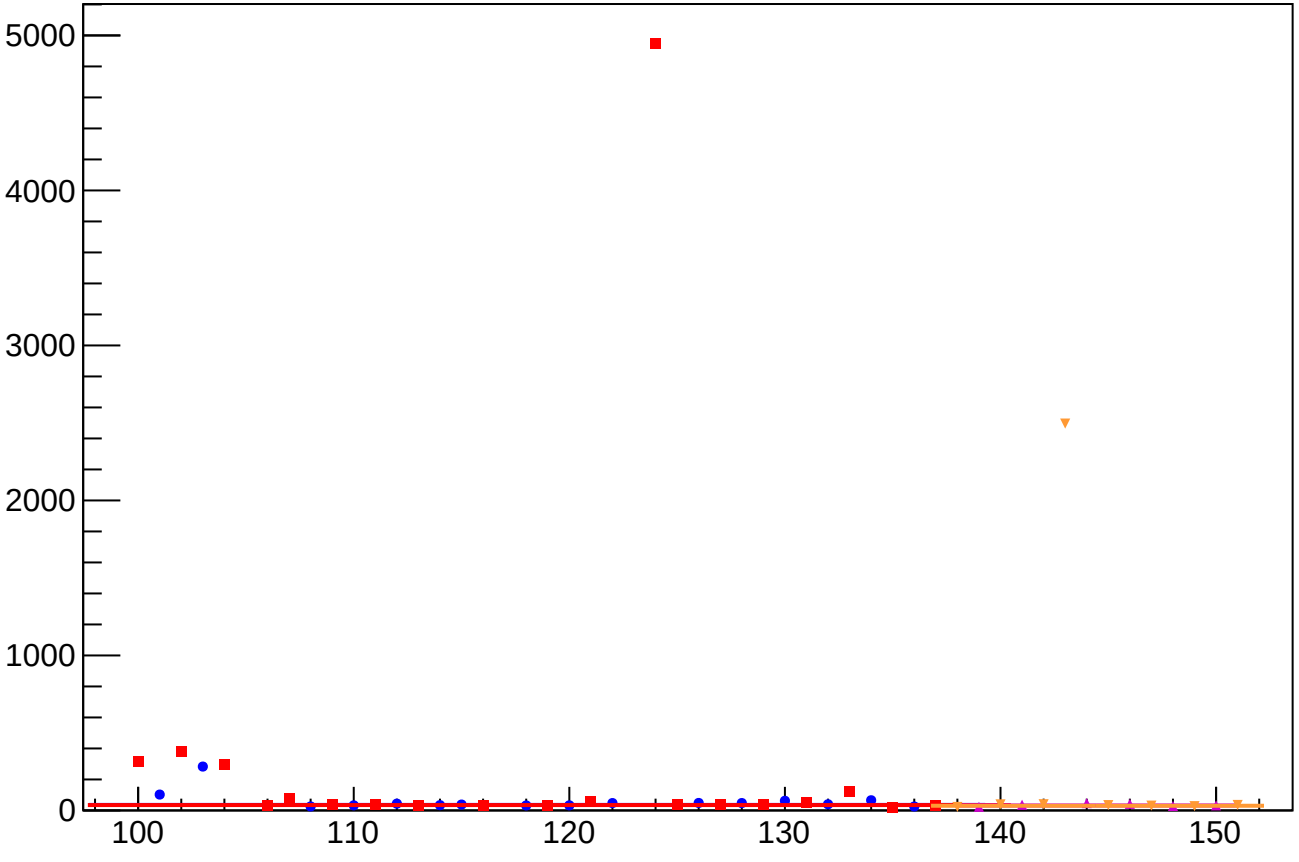
Left In: -0.005+/-0.016 χ^2/NDF:3.5/5

\+ sign -0.009+/-0.011 χ^2/NDF: 31.8/23

All: -0.003+/-0.008 χ^2/NDF: 52.9/48

\- sign 0.004+/-0.011 χ^2/NDF: 20.3/24

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 30.357+/-0.010 χ^2/NDF:1942632.7/7

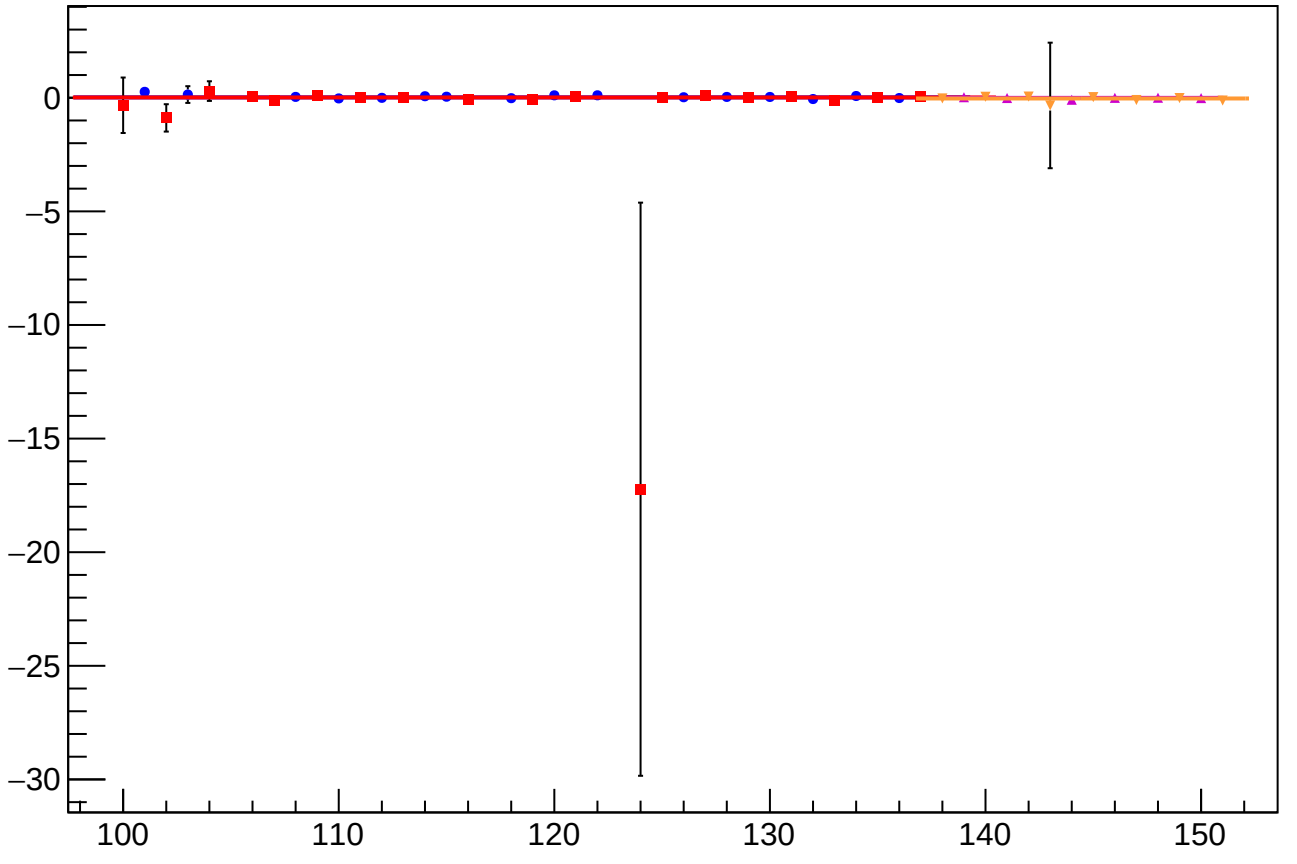
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.274+/-0.011 χ^2/NDF:478490.9/5

+ sign 32.853+/-0.007 χ^2/NDF: 4337831.1/23

All: 33.178+/-0.005 χ^2/NDF: 7760523.5/48

- sign 33.538+/-0.008 χ^2/NDF: 3418662.0/24



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.032+/-0.014 χ^2/NDF:15.0/7

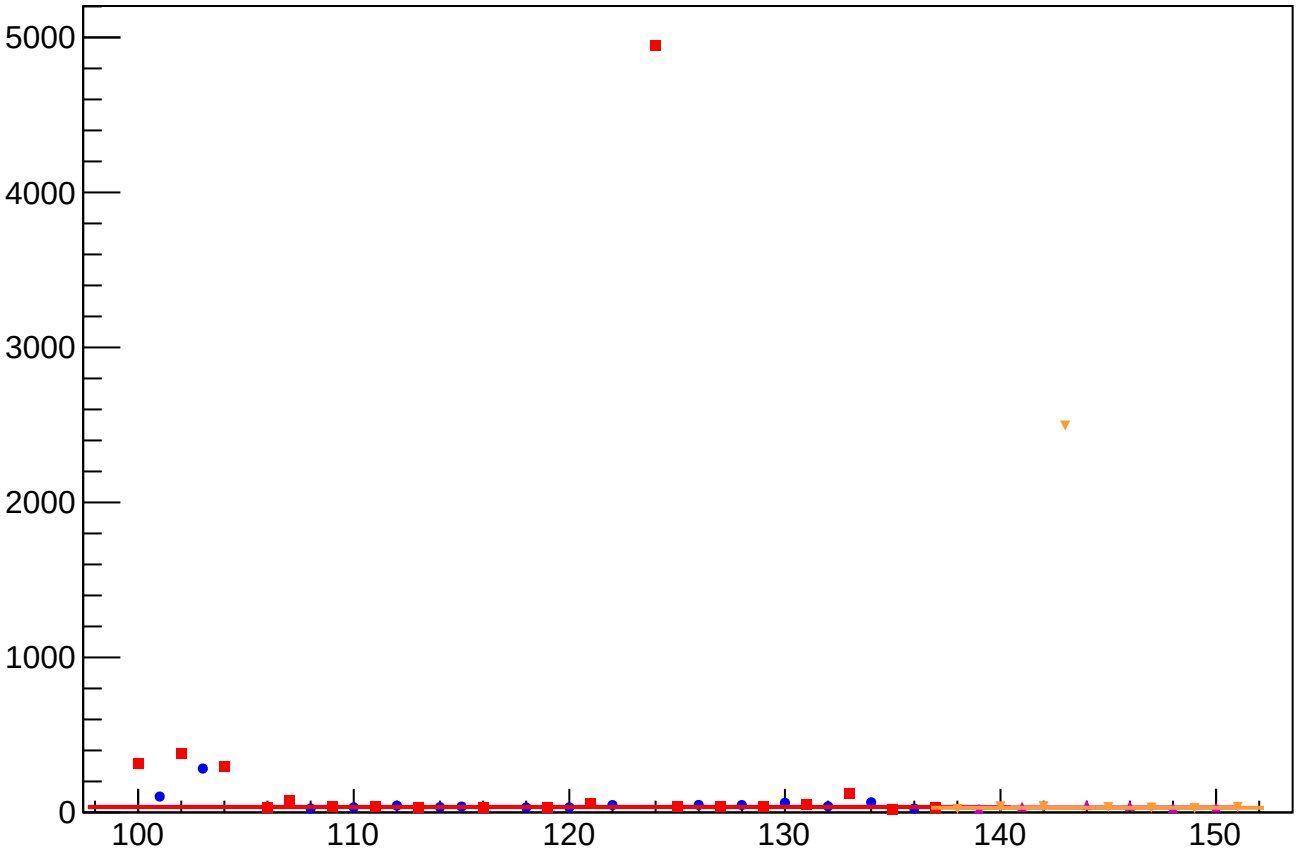
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.005+/-0.016 χ^2/NDF:3.5/5

+ sign -0.009+/-0.011 χ^2/NDF: 31.8/23

All: -0.003+/-0.008 χ^2/NDF: 52.9/48

- sign 0.004+/-0.011 χ^2/NDF: 20.3/24



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 30.357+/-0.010 χ^2/NDF:1942632.7/7

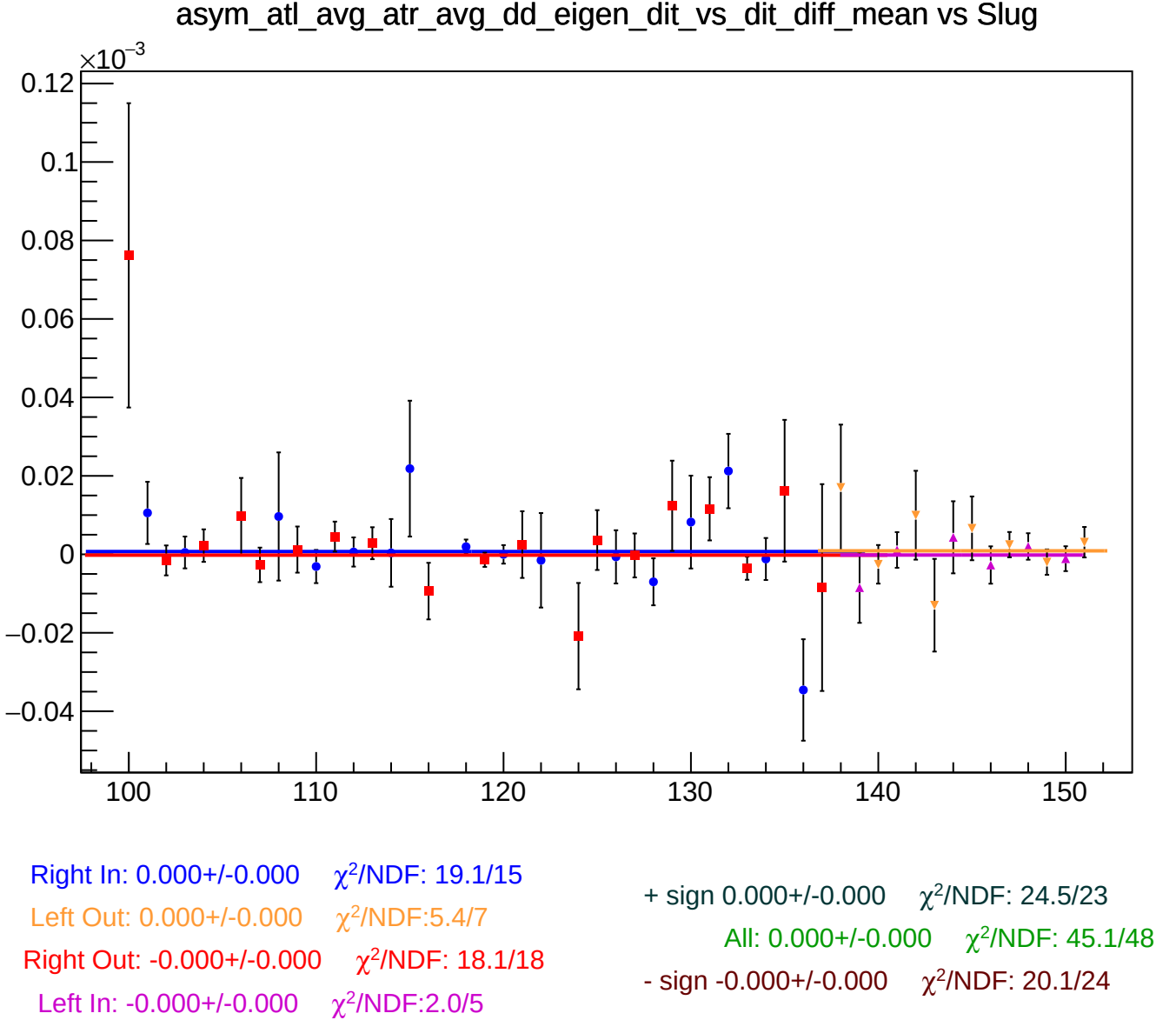
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

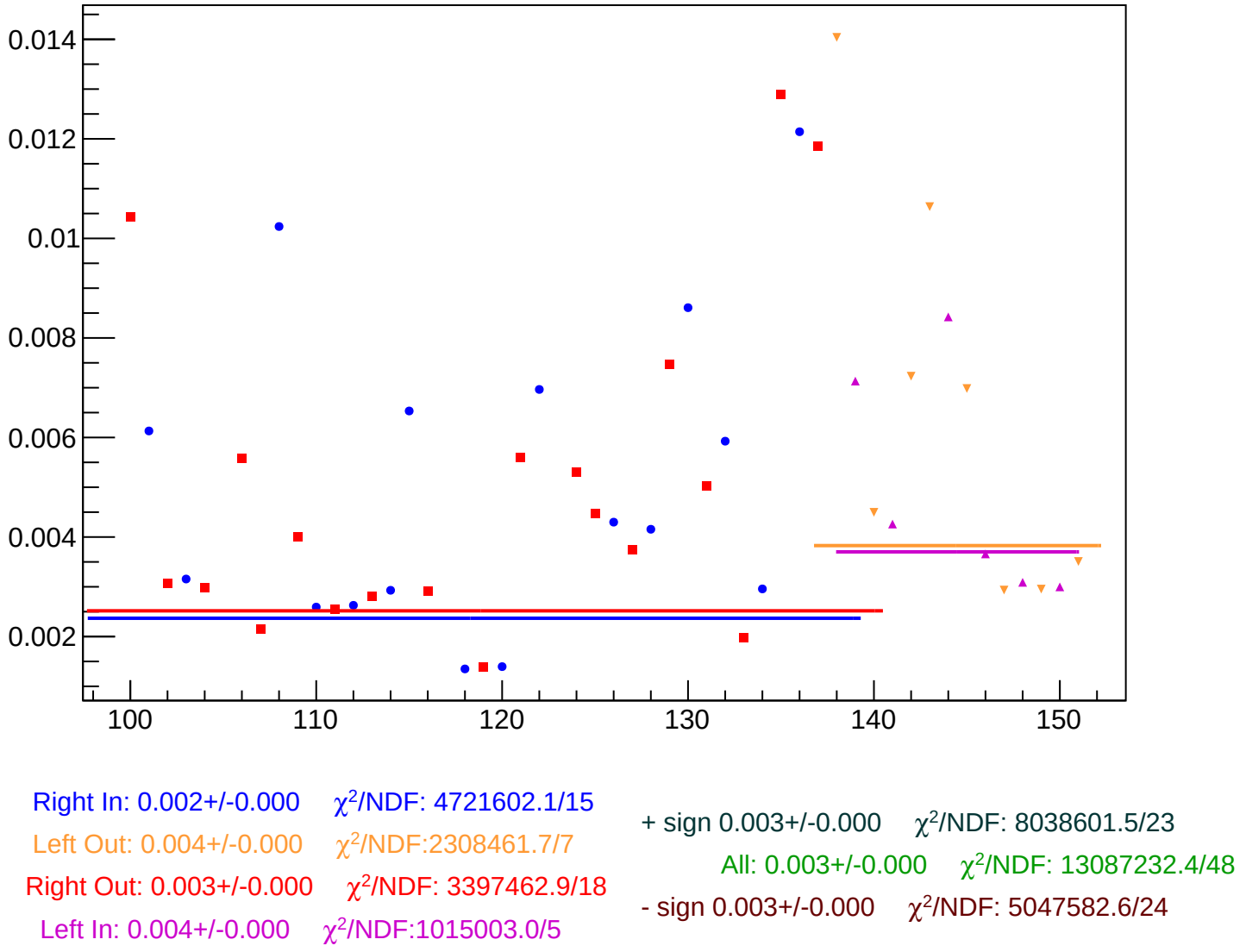
Left In: 32.274+/-0.011 χ^2/NDF:478490.9/5

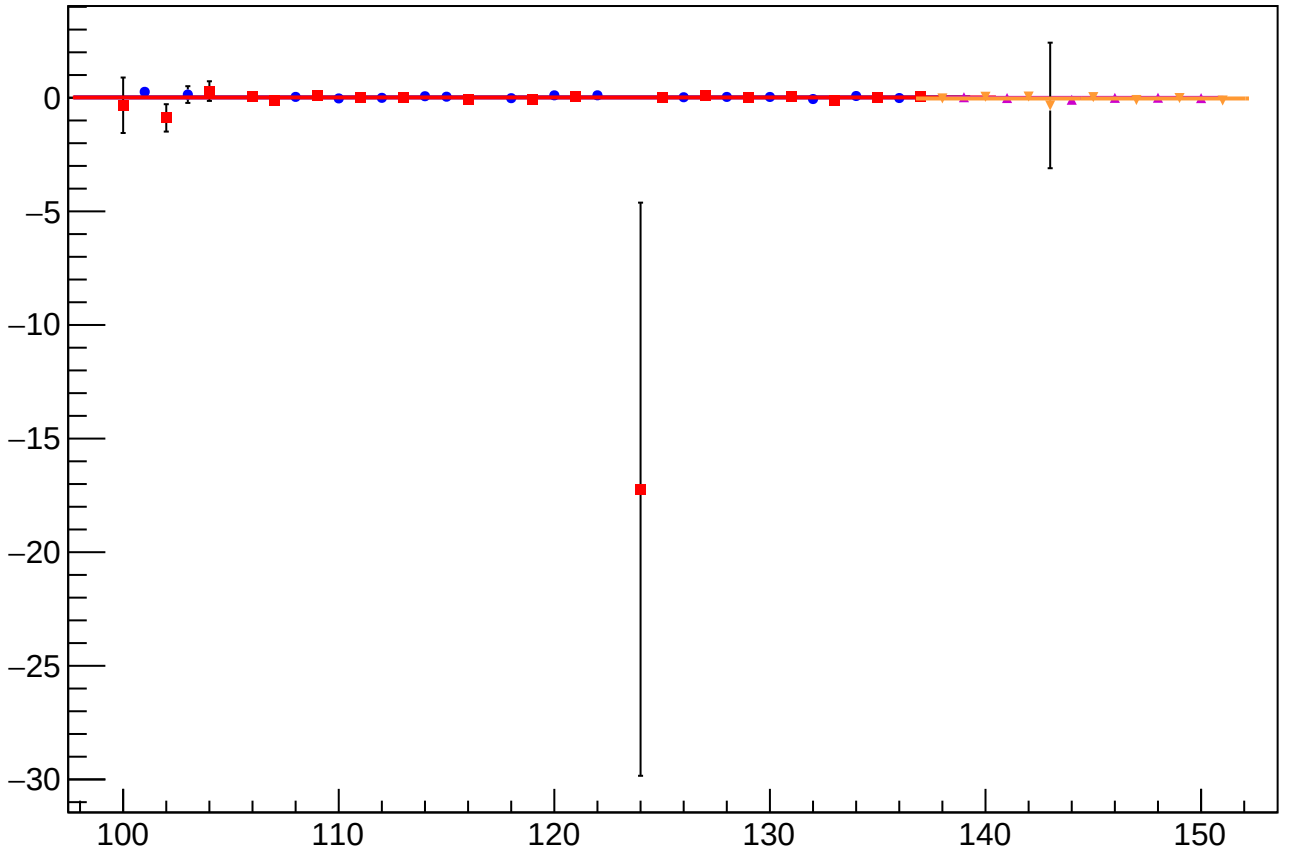
+ sign 32.853+/-0.007 χ^2/NDF: 4337831.1/23

All: 33.178+/-0.005 χ^2/NDF: 7760523.5/48

- sign 33.538+/-0.008 χ^2/NDF: 3418662.0/24


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
Right In: 0.000+/-0.000 χ²/NDF: 19.1/15
Left Out: 0.000+/-0.000 χ²/NDF:5.4/7
Right Out: -0.000+/-0.000 χ²/NDF: 18.1/18
Left In: -0.000+/-0.000 χ²/NDF:2.0/5
+ sign 0.000+/-0.000 χ²/NDF: 24.5/23
All: 0.000+/-0.000 χ²/NDF: 45.1/48
- sign -0.000+/-0.000 χ²/NDF: 20.1/24


asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
Right In: 0.002+/-0.000 χ²/NDF: 4721602.1/15
Left Out: 0.004+/-0.000 χ²/NDF:2308461.7/7
Right Out: 0.003+/-0.000 χ²/NDF: 3397462.9/18
Left In: 0.004+/-0.000 χ²/NDF:1015003.0/5
+ sign 0.003+/-0.000 χ²/NDF: 8038601.5/23
All: 0.003+/-0.000 χ²/NDF: 13087232.4/48
- sign 0.003+/-0.000 χ²/NDF: 5047582.6/24



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.032+/-0.014 χ^2/NDF:15.0/7

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

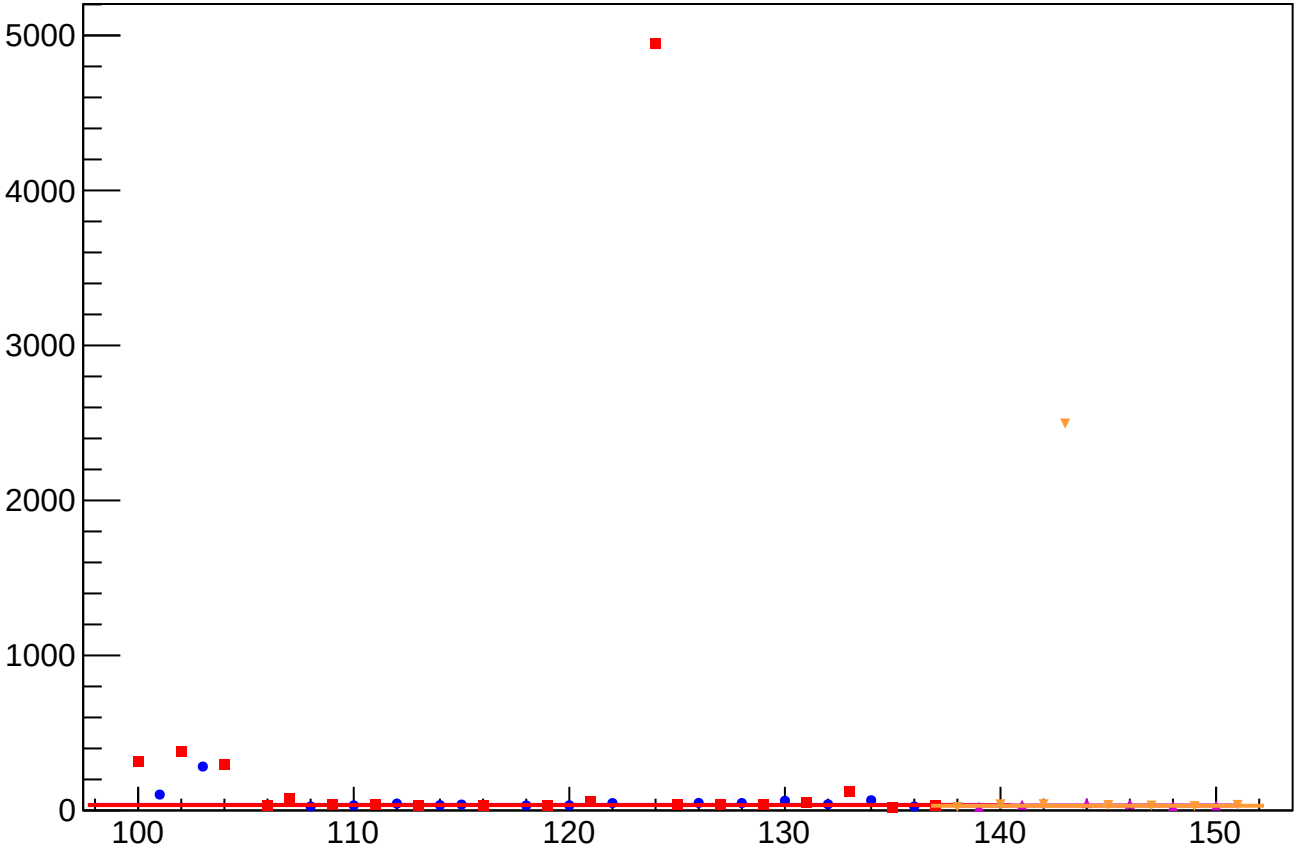
Left In: -0.005+/-0.016 χ^2/NDF:3.5/5

+ sign -0.009+/-0.011 χ^2/NDF: 31.8/23

All: -0.003+/-0.008 χ^2/NDF: 52.9/48

- sign 0.004+/-0.011 χ^2/NDF: 20.3/24

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 30.357+/-0.010 χ^2/NDF:1942865.4/7

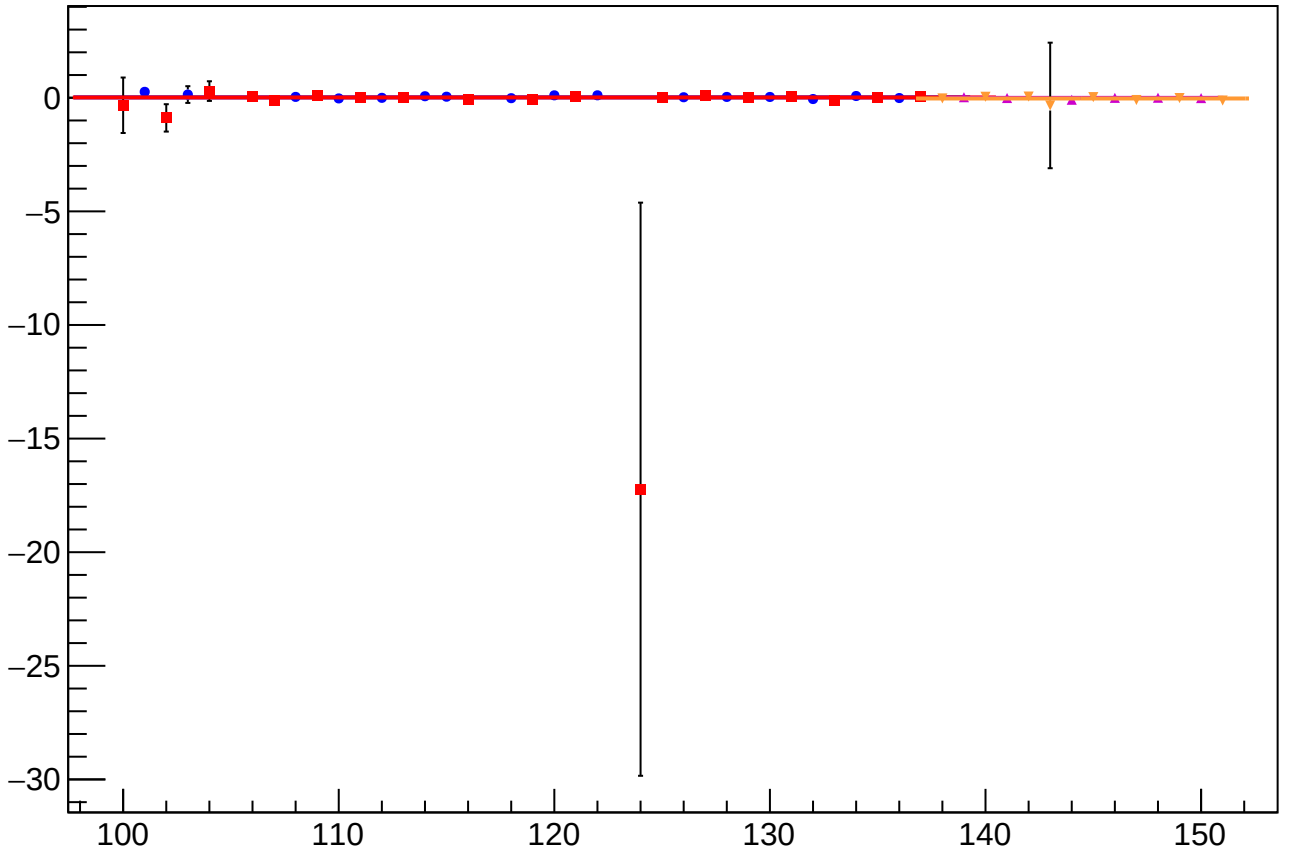
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.271+/-0.011 χ^2/NDF:478805.4/5

+ sign 32.853+/-0.007 χ^2/NDF: 4337866.0/23

All: 33.178+/-0.005 χ^2/NDF: 7760758.8/48

- sign 33.537+/-0.008 χ^2/NDF: 3418880.8/24



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.032+/-0.014 χ^2/NDF:15.0/7

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

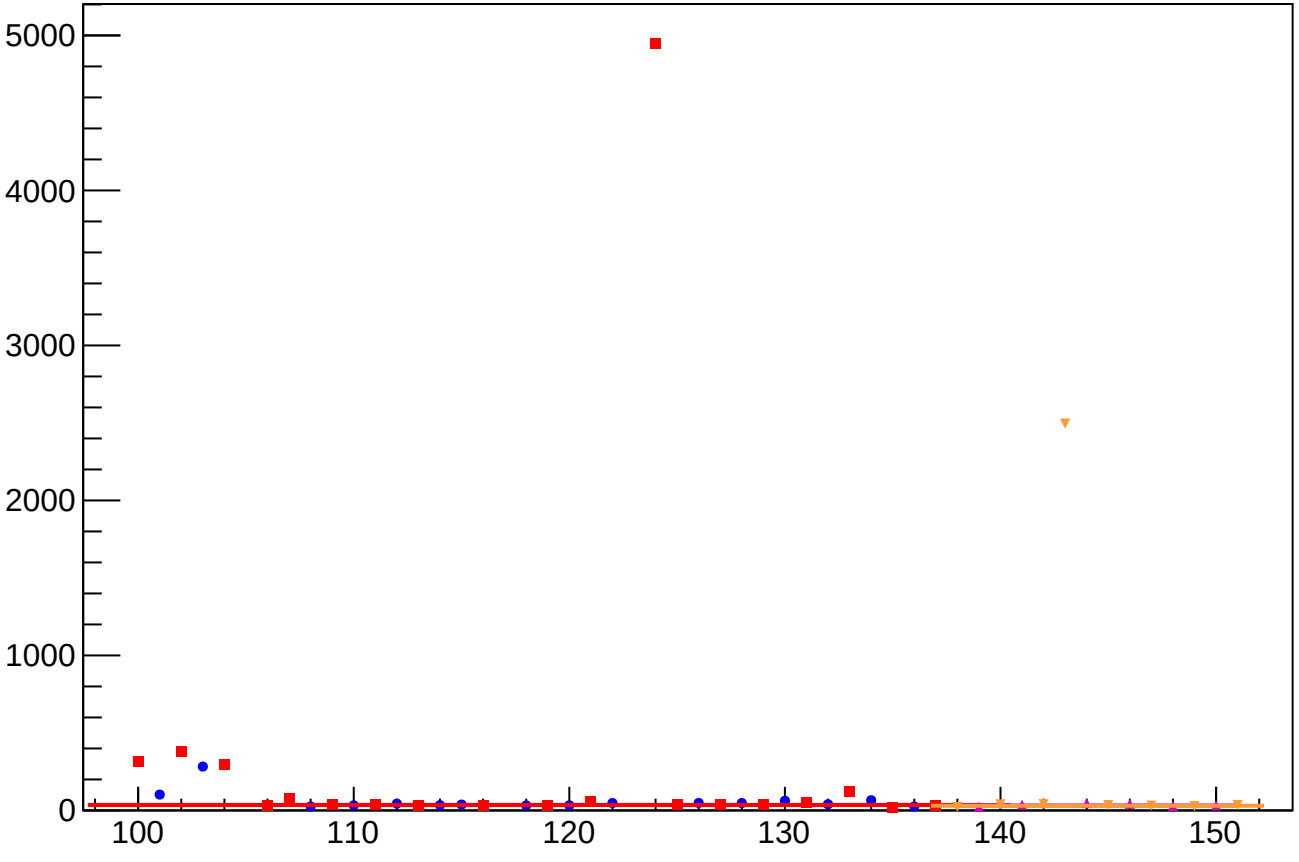
Left In: -0.005+/-0.016 χ^2/NDF:3.5/5

\+ sign -0.009+/-0.011 χ^2/NDF: 31.8/23

All: -0.003+/-0.008 χ^2/NDF: 52.9/48

\- sign 0.004+/-0.011 χ^2/NDF: 20.3/24

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 30.357+/-0.010 χ^2/NDF:1942865.4/7

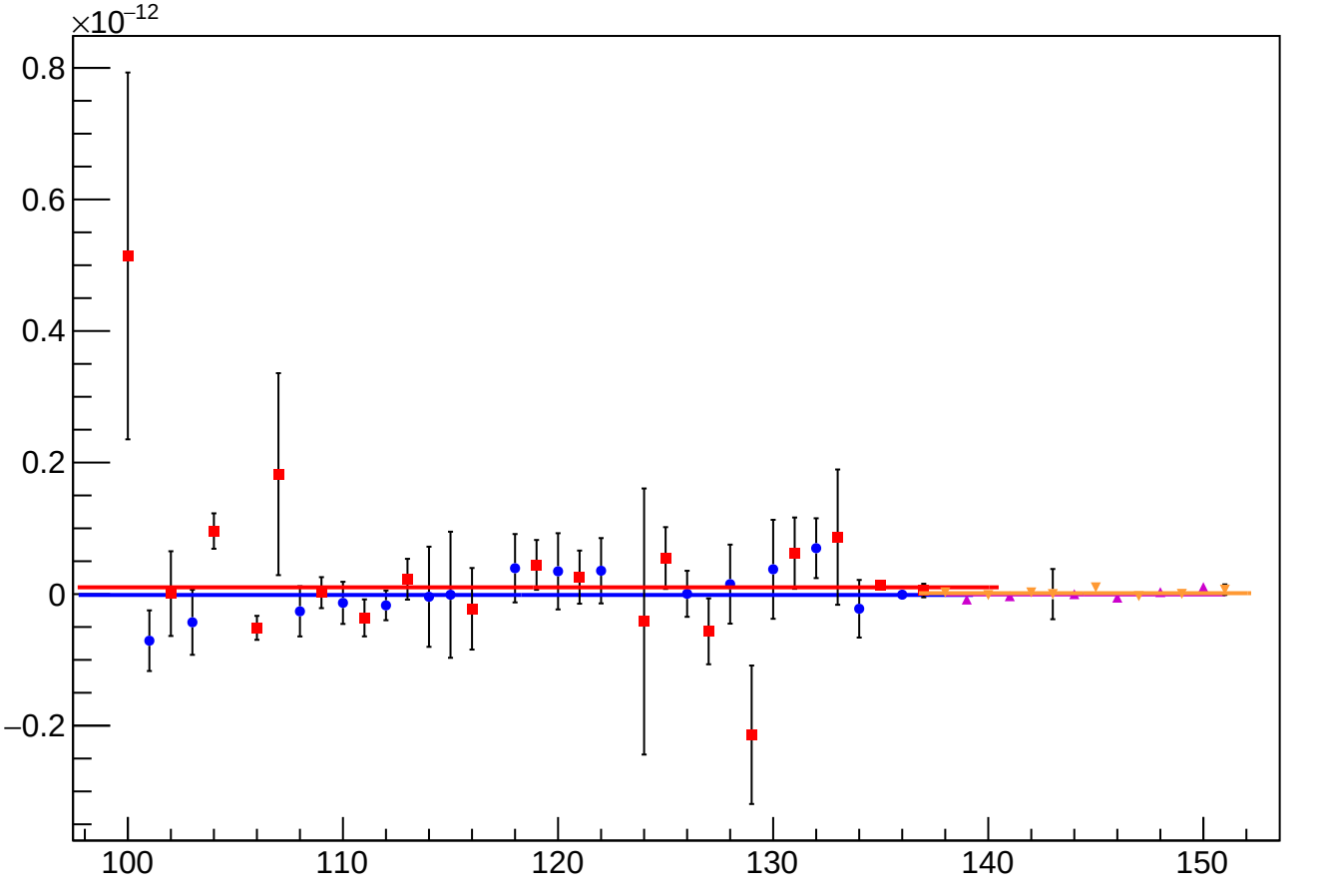
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.271+/-0.011 χ^2/NDF:478805.4/5

+ sign 32.853+/-0.007 χ^2/NDF: 4337866.0/23

All: 33.178+/-0.005 χ^2/NDF: 7760758.8/48

- sign 33.537+/-0.008 χ^2/NDF: 3418880.8/24



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.7/7

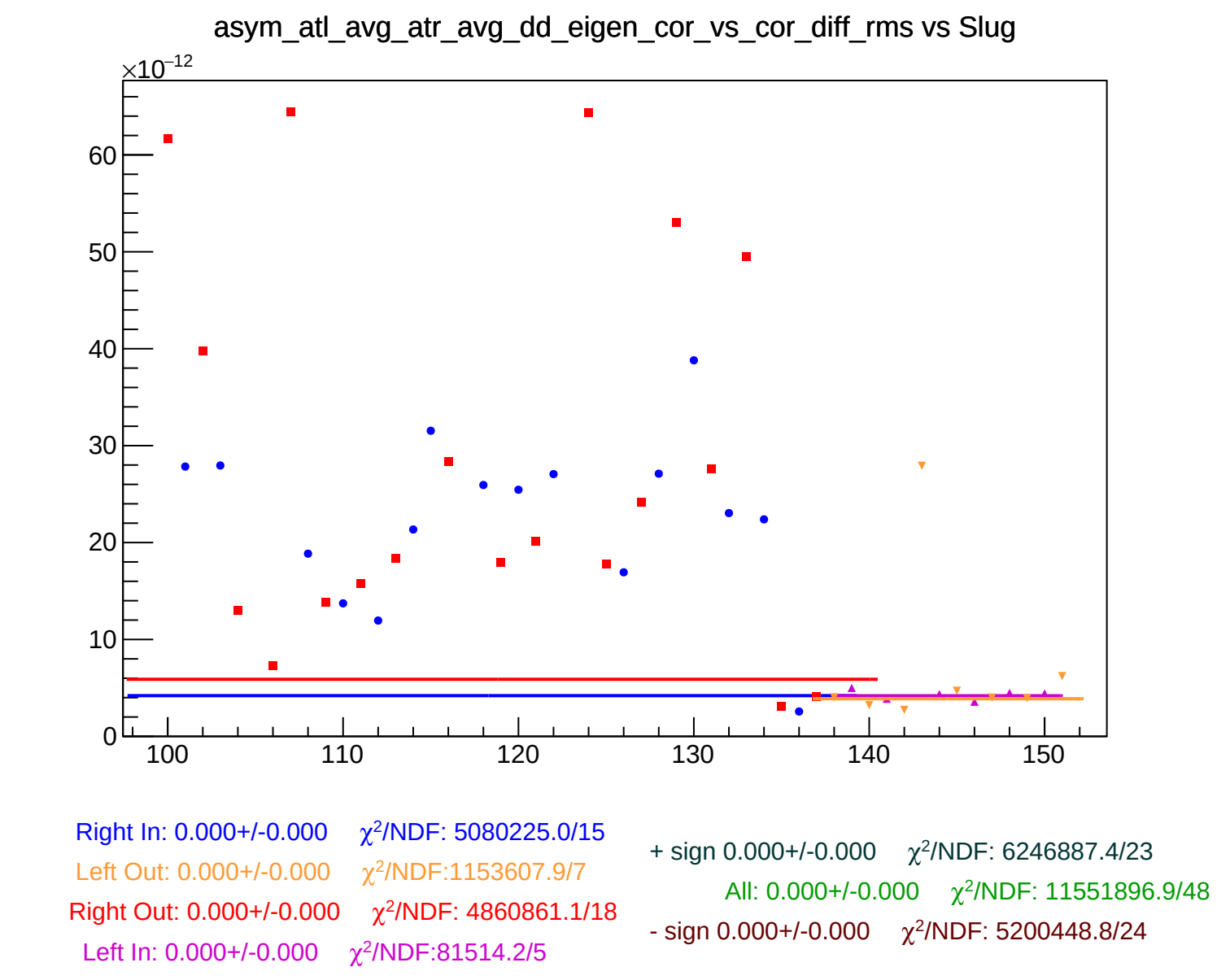
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: -0.000+/-0.000 χ^2/NDF:7.3/5

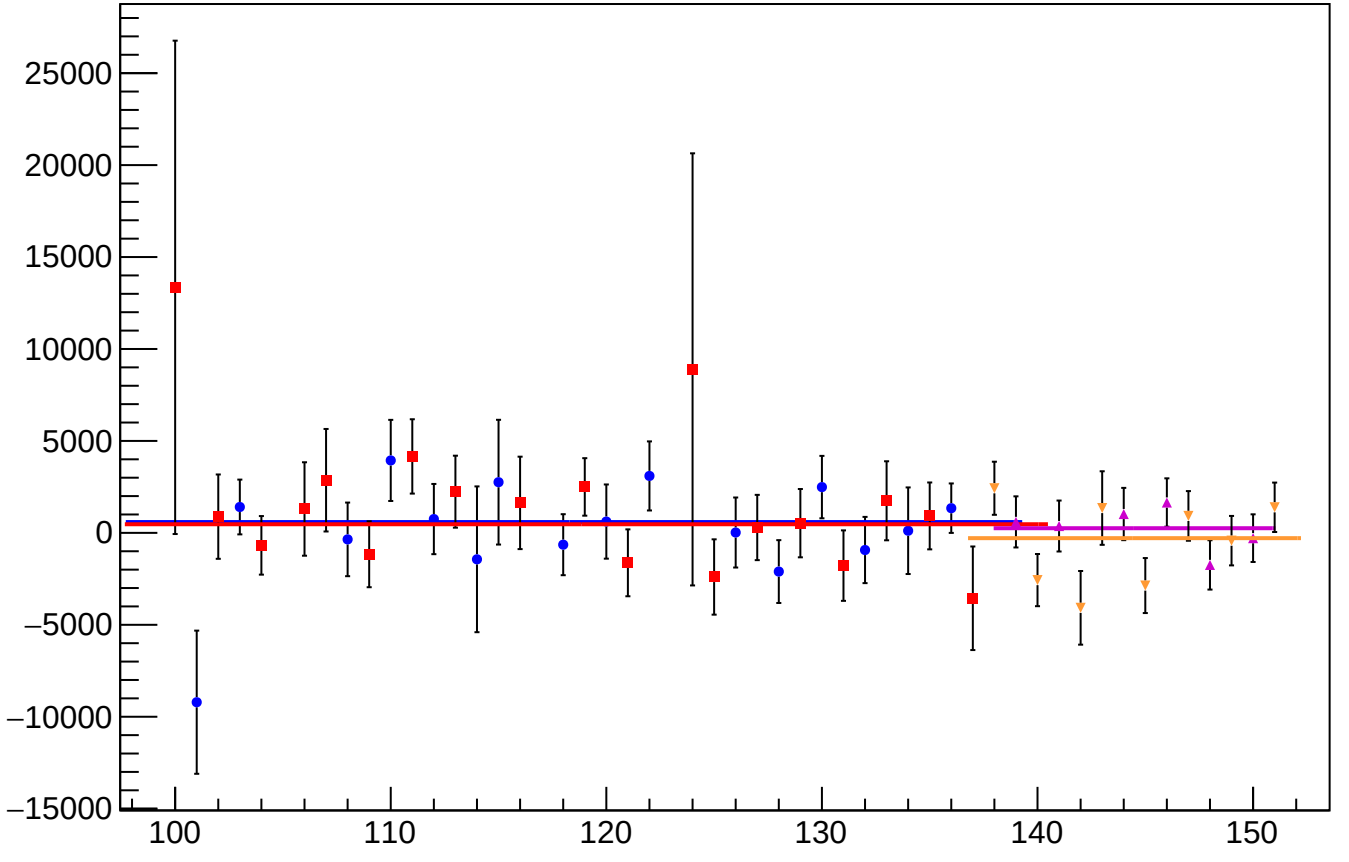
+ sign 0.000+/-0.000 χ^2/NDF: 12.8/23

All: 0.000+/-0.000 χ^2/NDF: 65.4/48

- sign 0.000+/-0.000 χ^2/NDF: 52.4/24


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
Right In: 0.000+/-0.000 χ²/NDF: 5080225.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1153607.9/7
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:81514.2/5
+ sign 0.000+/-0.000 χ²/NDF: 6246887.4/23
All: 0.000+/-0.000 χ²/NDF: 11551896.9/48
- sign 0.000+/-0.000 χ²/NDF: 5200448.8/24

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -287.887+/-528.636 χ^2/NDF:15.7/7

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

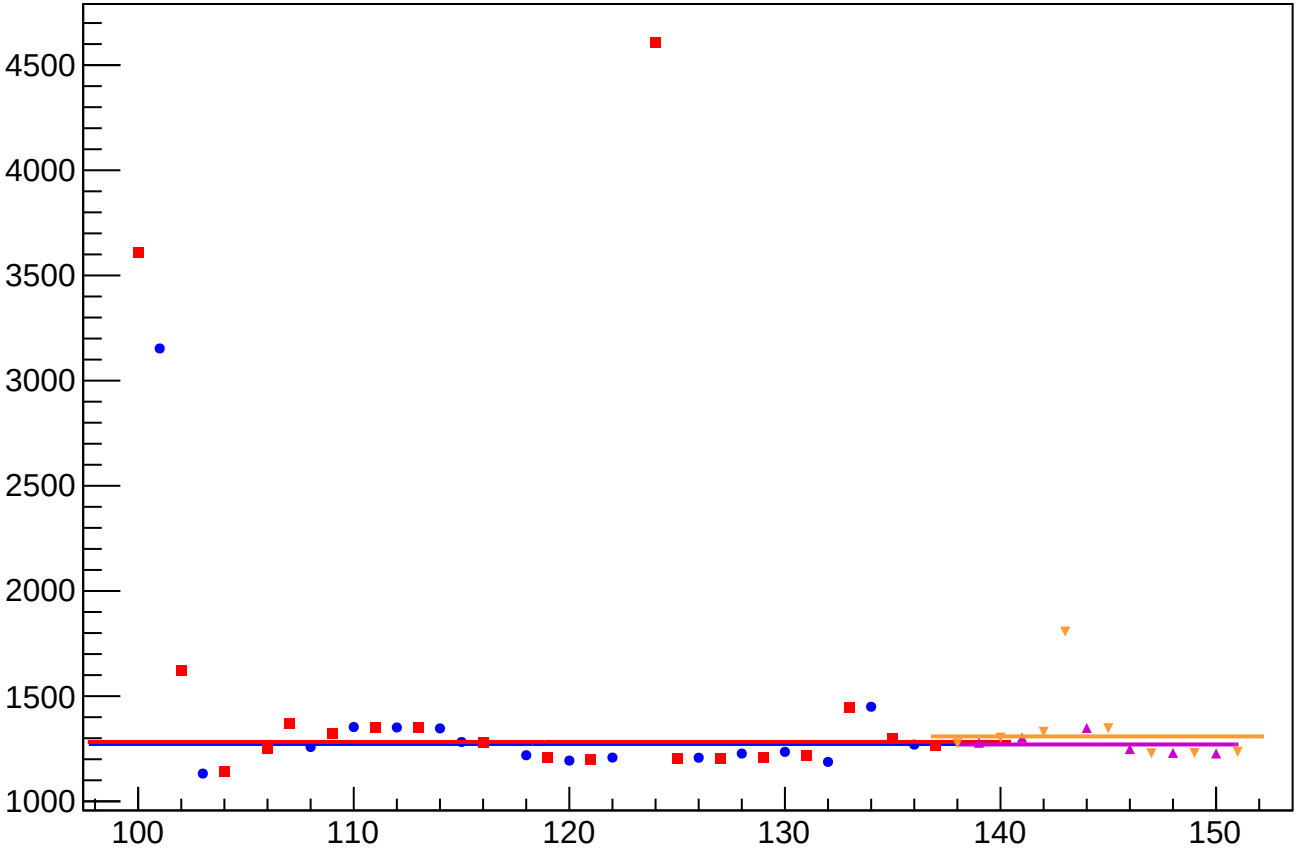
Left In: 252.912+/-553.517 χ^2/NDF:3.9/5

\+ sign 189.417+/-356.349 χ^2/NDF: 34.3/23

All: 281.090+/-254.248 χ^2/NDF: 55.2/48

\- sign 376.143+/-362.860 χ^2/NDF: 20.8/24

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1308.640+/-0.374 χ^2/NDF:146779.5/7

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

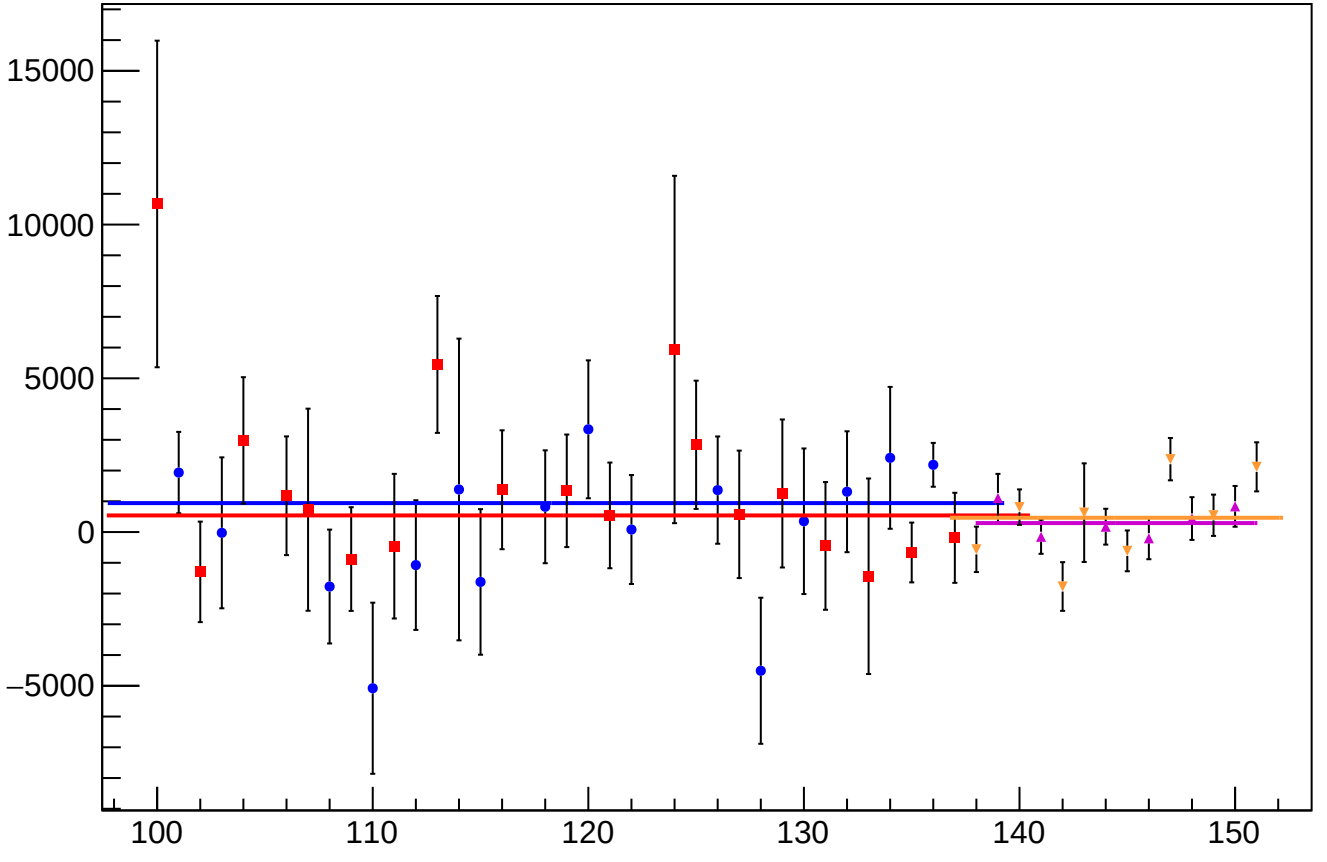
Left In: 1270.279+/-0.391 χ^2/NDF:11792.1/5

+ sign 1289.088+/-0.252 χ^2/NDF: 671092.2/23

All: 1283.237+/-0.180 χ^2/NDF: 1006604.8/48

- sign 1277.171+/-0.257 χ^2/NDF: 334414.5/24

asym_atl_dd_atr_dd_dd_reg_correction_mean vs Slug



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 465.225+/-258.253 χ^2/NDF:24.9/7

Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

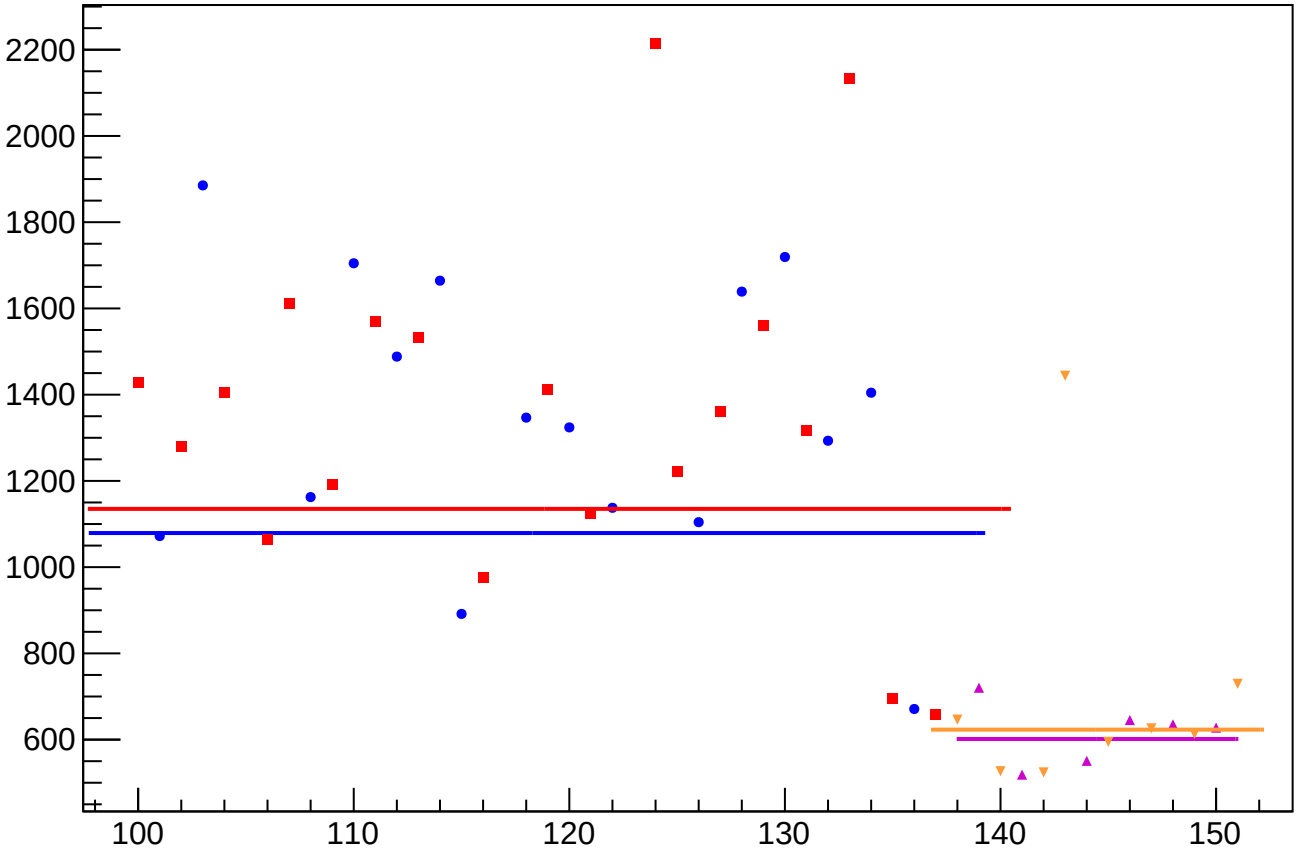
Left In: 292.304+/-264.195 χ^2/NDF:3.0/5

+ sign 593.363+/-220.818 χ^2/NDF: 45.7/23

All: 478.726+/-158.108 χ^2/NDF: 66.7/48

- sign 358.128+/-226.488 χ^2/NDF: 20.4/24

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 623.157+/-0.183 χ^2/NDF:652859.0/7

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

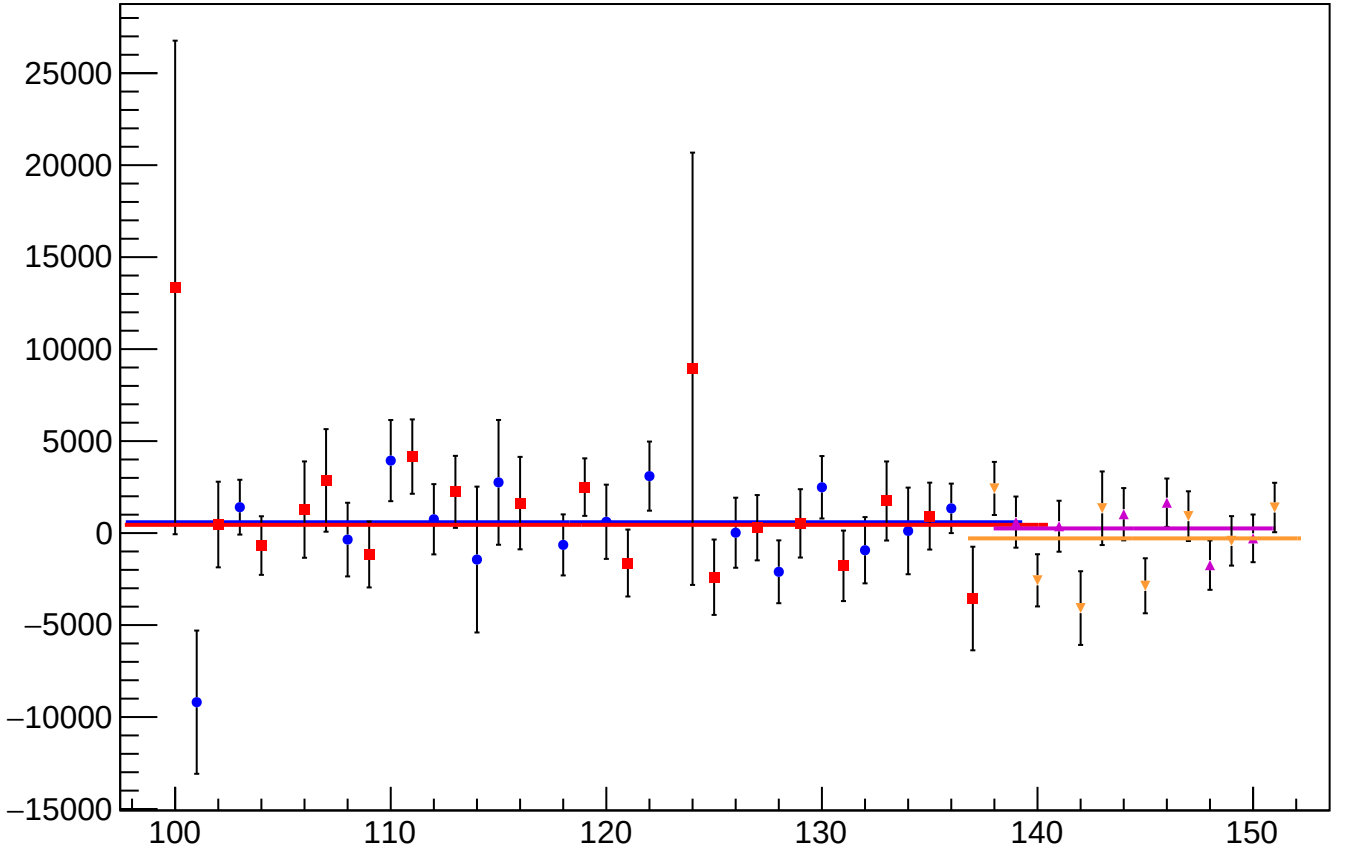
Left In: 601.520+/-0.187 χ^2/NDF:121857.1/5

+ sign 745.763+/-0.156 χ^2/NDF: 3811509.2/23

All: 744.405+/-0.112 χ^2/NDF: 7389585.3/48

- sign 742.976+/-0.160 χ^2/NDF: 3577920.8/24

cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -288.011+/-528.636 χ^2/NDF:15.7/7

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

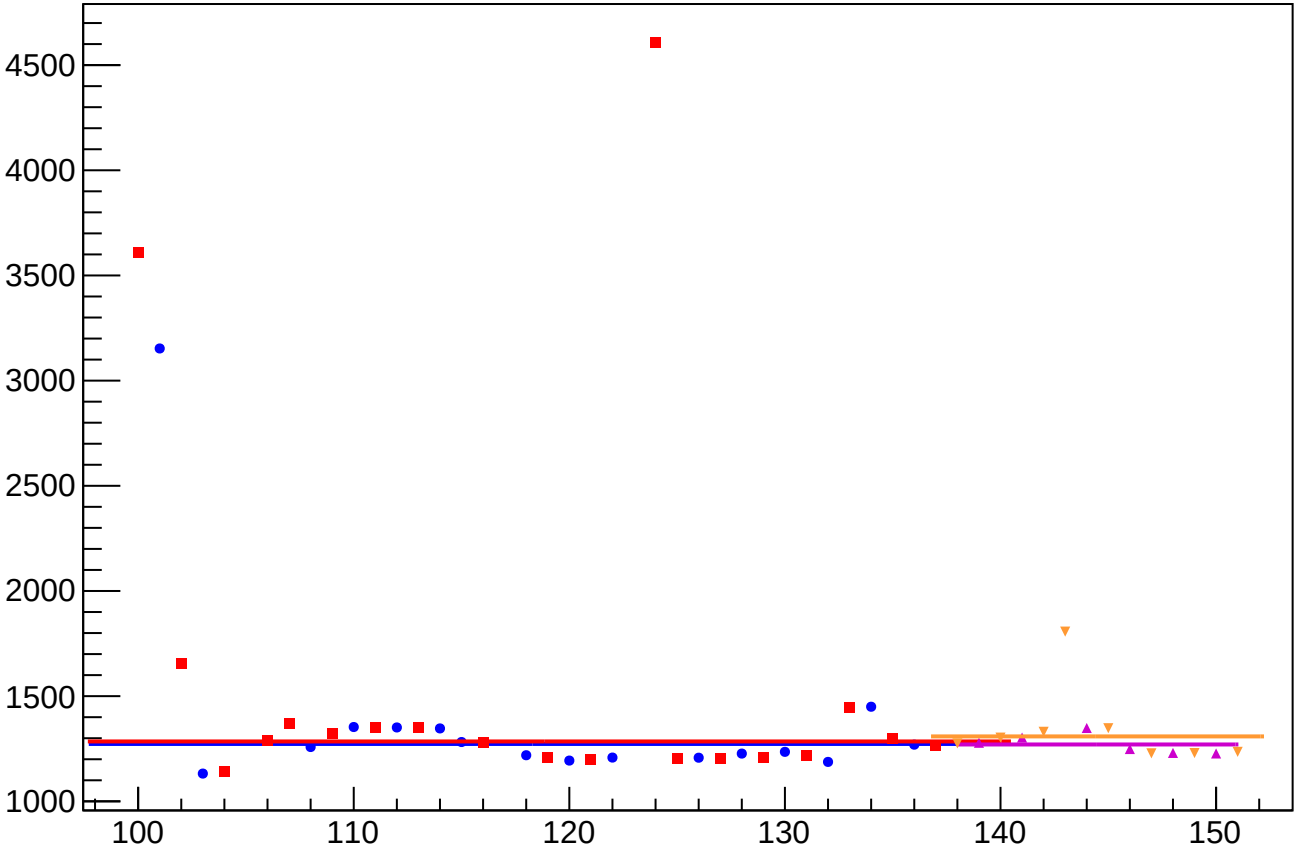
Left In: 252.908+/-553.517 χ^2/NDF:3.9/5

\+ sign 189.535+/-356.349 χ^2/NDF: 34.3/23

All: 275.217+/-254.368 χ^2/NDF: 55.1/48

\- sign 364.231+/-363.212 χ^2/NDF: 20.8/24

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1308.640+/-0.374 χ^2/NDF:146779.5/7

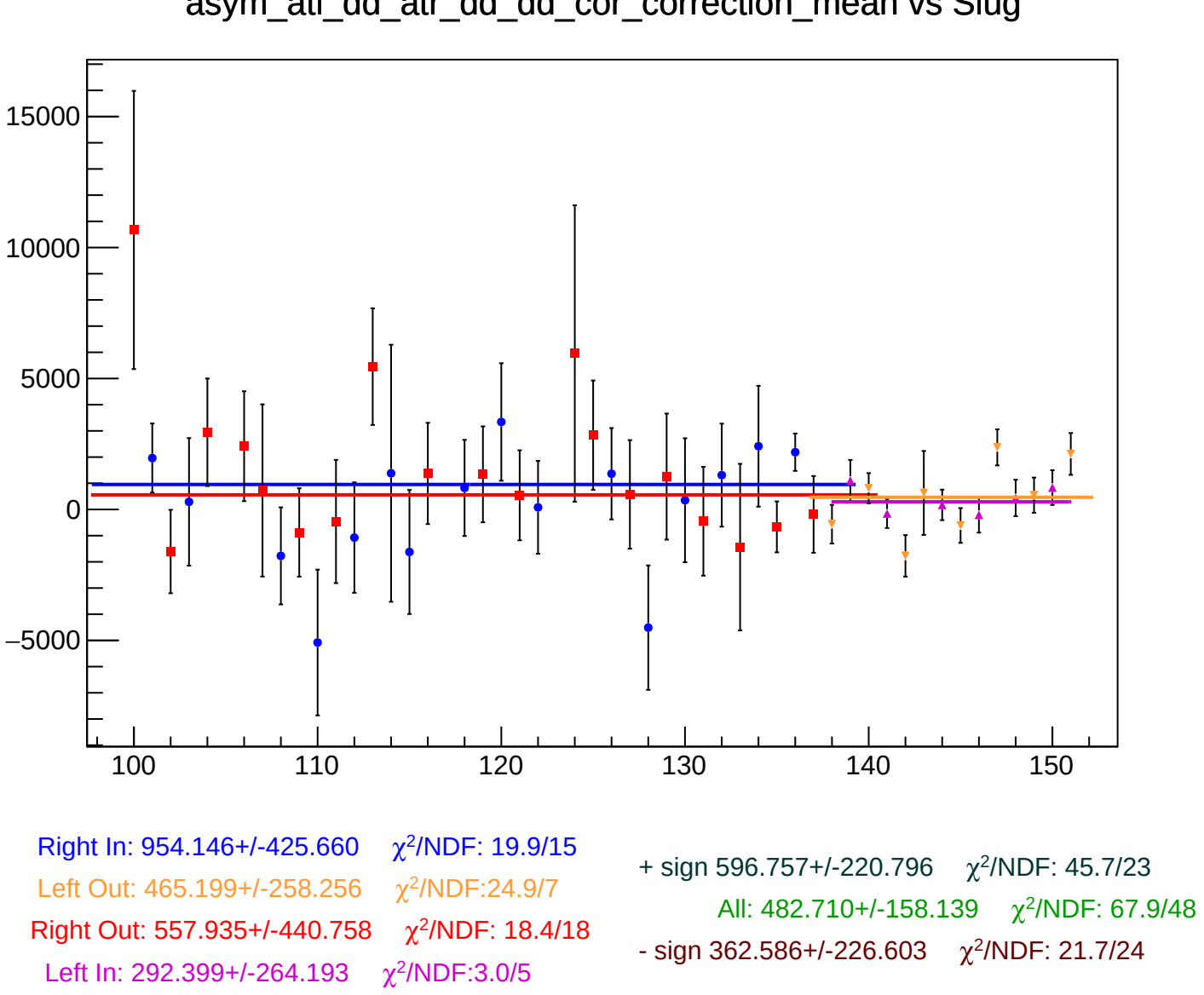
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1270.279+/-0.391 χ^2/NDF:11792.1/5

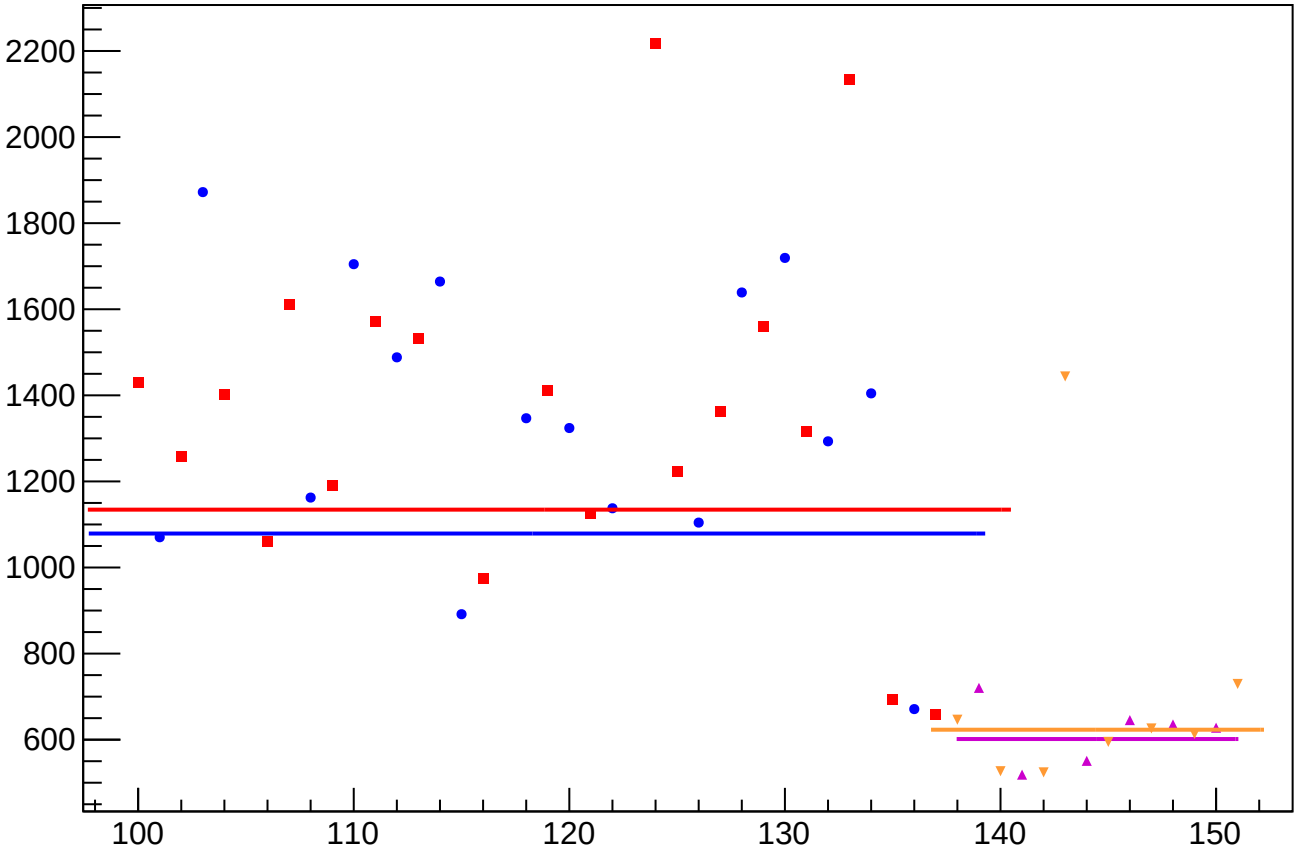
+ sign 1289.088+/-0.252 χ^2/NDF: 671093.7/23

All: 1283.877+/-0.180 χ^2/NDF: 1013260.6/48

- sign 1278.464+/-0.257 χ^2/NDF: 341295.1/24


asym_atl_dd_atr_dd_dd_cor_correction_mean vs Slug
15000
10000
5000
0
−5000
100
110
120
130
140
150
Right In: 954.146+/-425.660 χ²/NDF: 19.9/15
Left Out: 465.199+/-258.256 χ²/NDF:24.9/7
Right Out: 557.935+/-440.758 χ²/NDF: 18.4/18
Left In: 292.399+/-264.193 χ²/NDF:3.0/5
+ sign 596.757+/-220.796 χ²/NDF: 45.7/23
All: 482.710+/-158.139 χ²/NDF: 67.9/48
- sign 362.586+/-226.603 χ²/NDF: 21.7/24

asym_atl_dd_atr_dd_dd_cor_correction_rms vs Slug



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 623.168+/-0.183 χ^2/NDF:652790.4/7

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

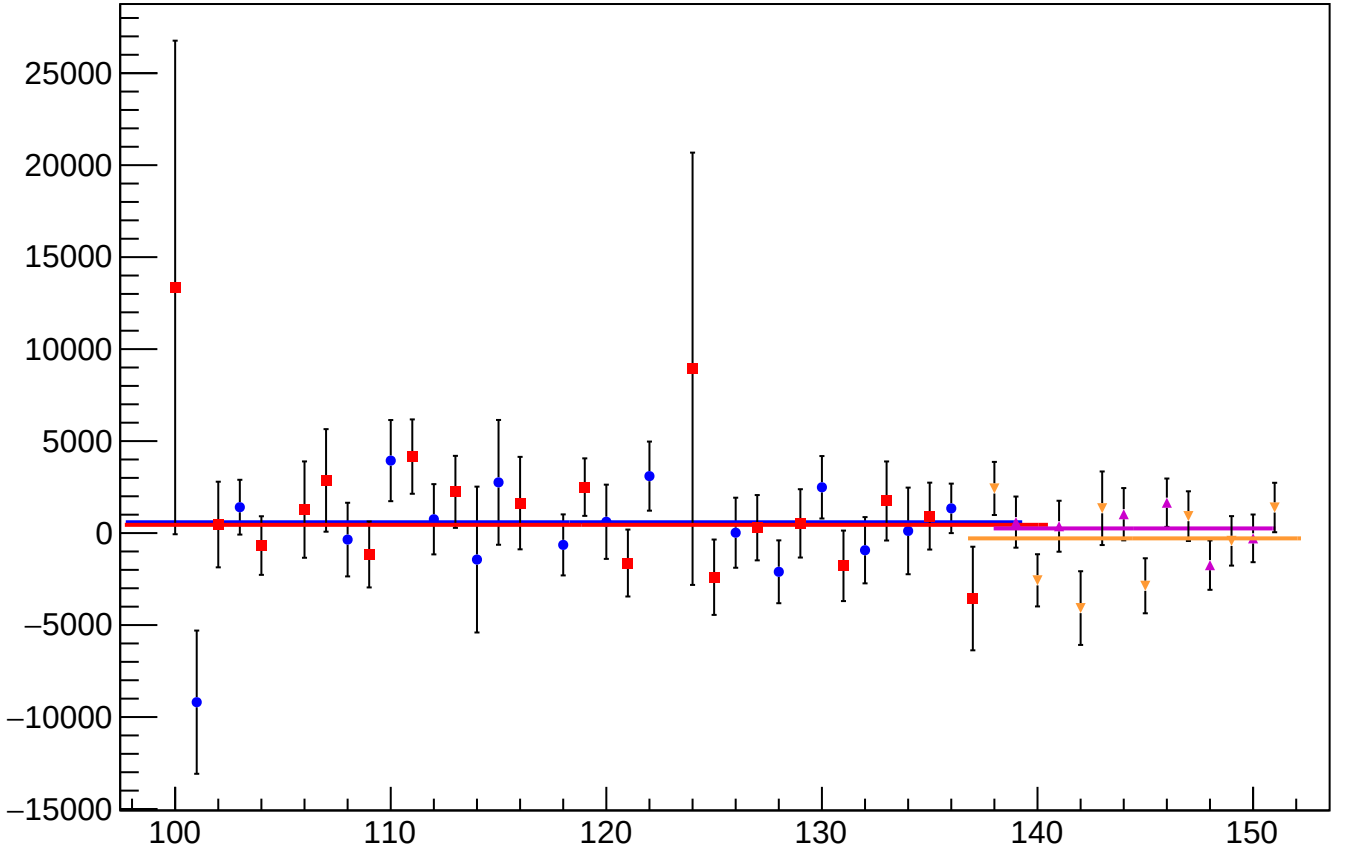
Left In: 601.515+/-0.187 χ^2/NDF:121881.1/5

\+ sign 745.797+/-0.156 χ^2/NDF: 3807466.9/23

All: 744.130+/-0.112 χ^2/NDF: 7369436.9/48

\- sign 742.374+/-0.160 χ^2/NDF: 3561735.8/24

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: -288.011+/-528.636 χ^2/NDF:15.7/7

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

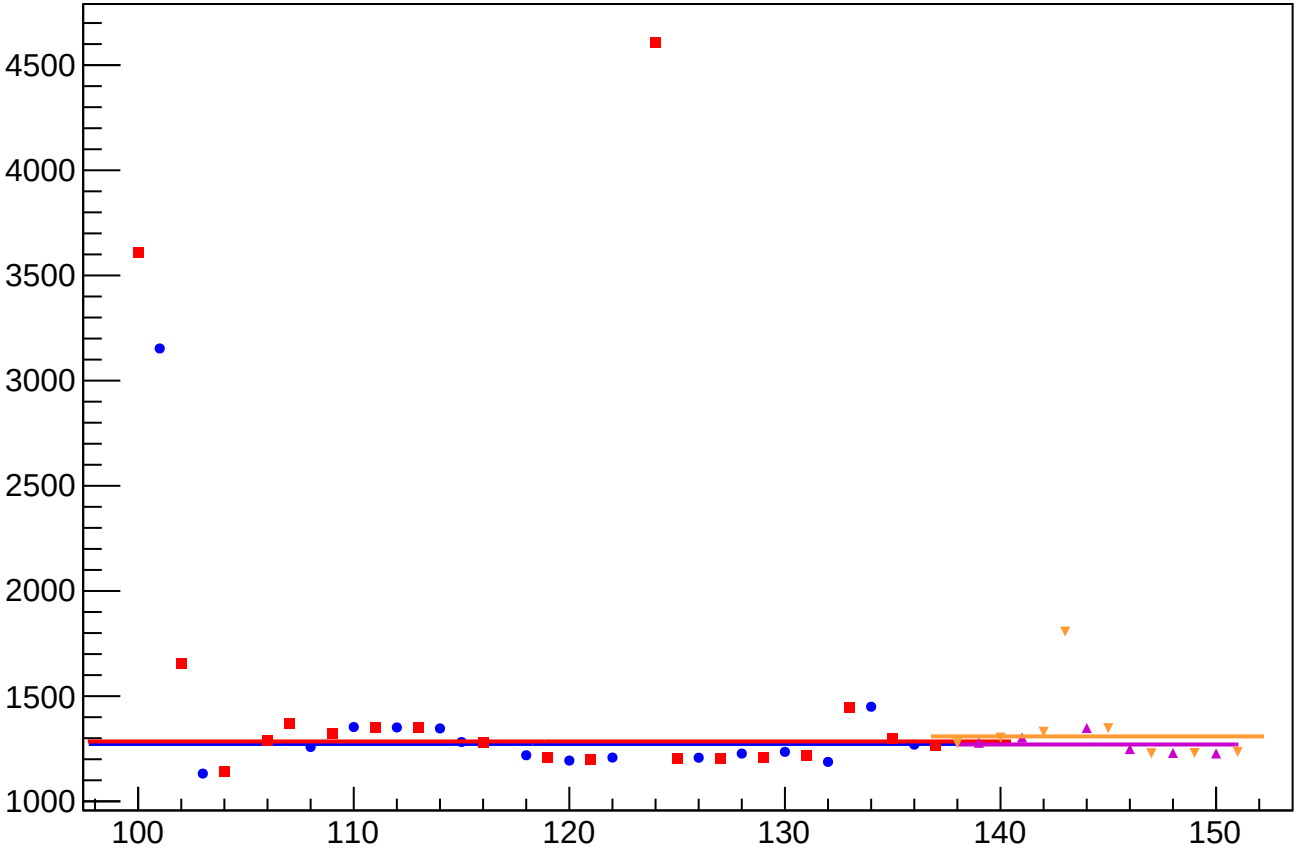
Left In: 252.908+/-553.517 χ^2/NDF:3.9/5

\+ sign 189.535+/-356.349 χ^2/NDF: 34.3/23

All: 275.217+/-254.368 χ^2/NDF: 55.1/48

\- sign 364.231+/-363.212 χ^2/NDF: 20.8/24

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: 1308.640+/-0.374 χ^2/NDF:146779.5/7

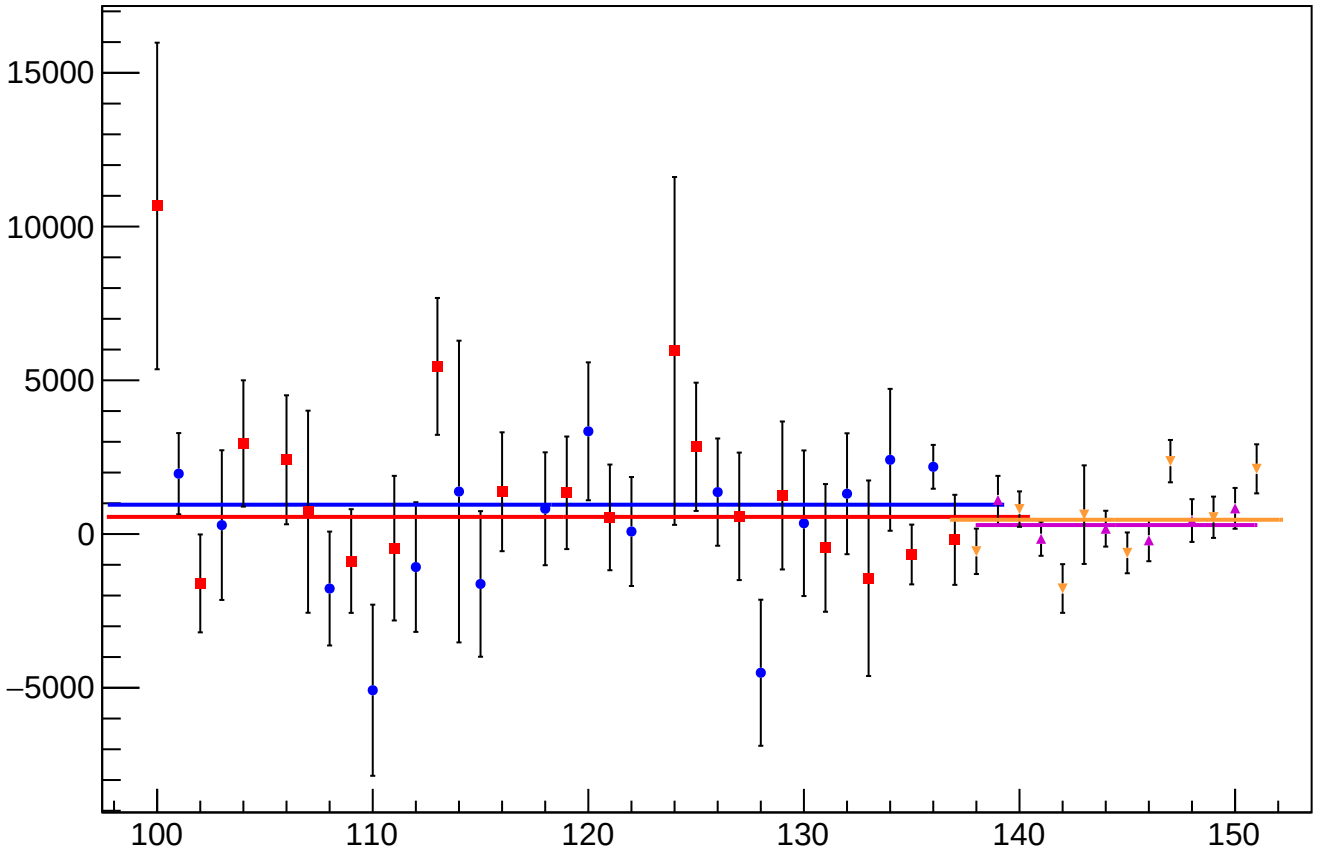
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1270.279+/-0.391 χ^2/NDF:11792.1/5

+ sign 1289.088+/-0.252 χ^2/NDF: 671093.7/23

All: 1283.877+/-0.180 χ^2/NDF: 1013260.6/48

- sign 1278.464+/-0.257 χ^2/NDF: 341295.1/24



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 465.199+/-258.256 χ^2/NDF:24.9/7

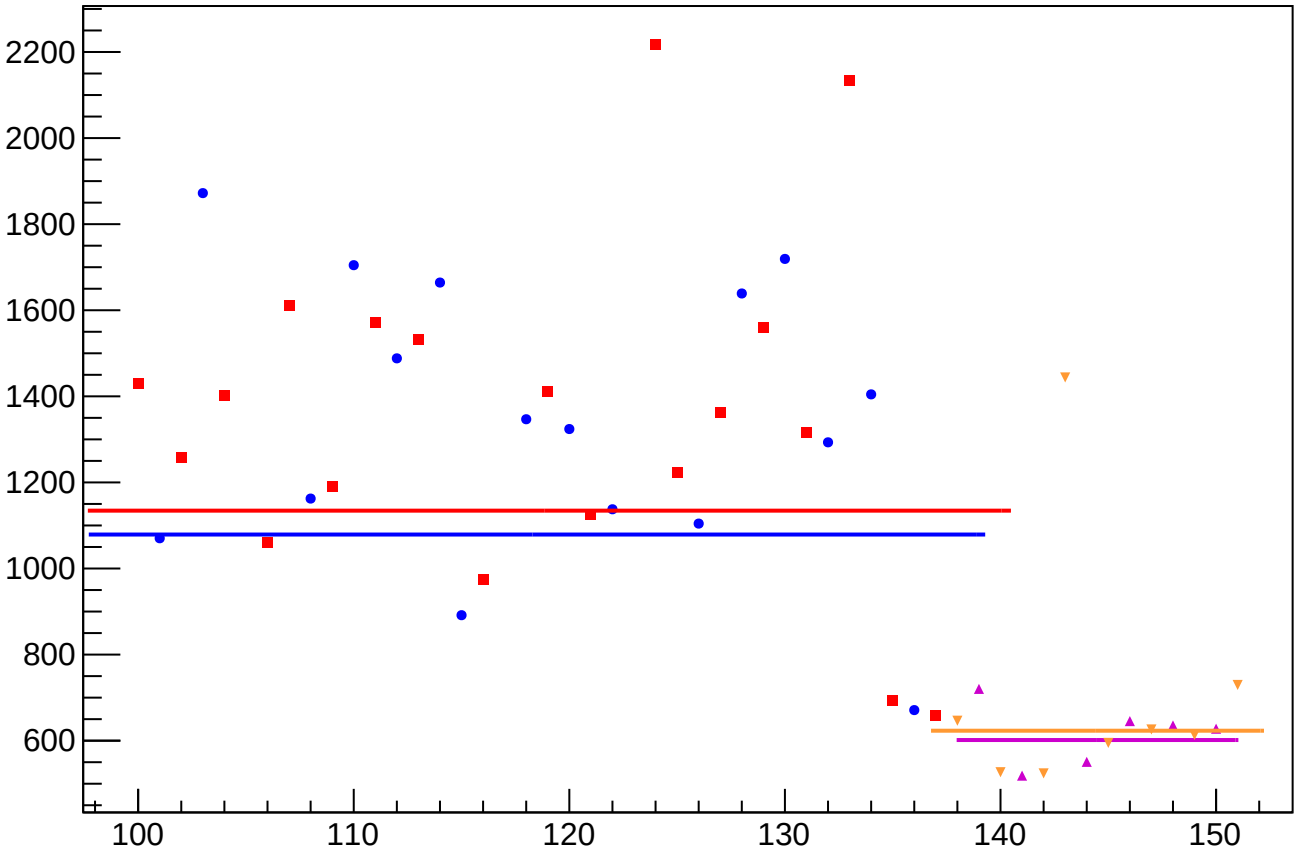
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 292.399+/-264.193 χ^2/NDF:3.0/5

+ sign 596.757+/-220.796 χ^2/NDF: 45.7/23

All: 482.710+/-158.139 χ^2/NDF: 67.9/48

- sign 362.586+/-226.603 χ^2/NDF: 21.7/24



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 623.168+/-0.183 χ^2/NDF:652790.4/7

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

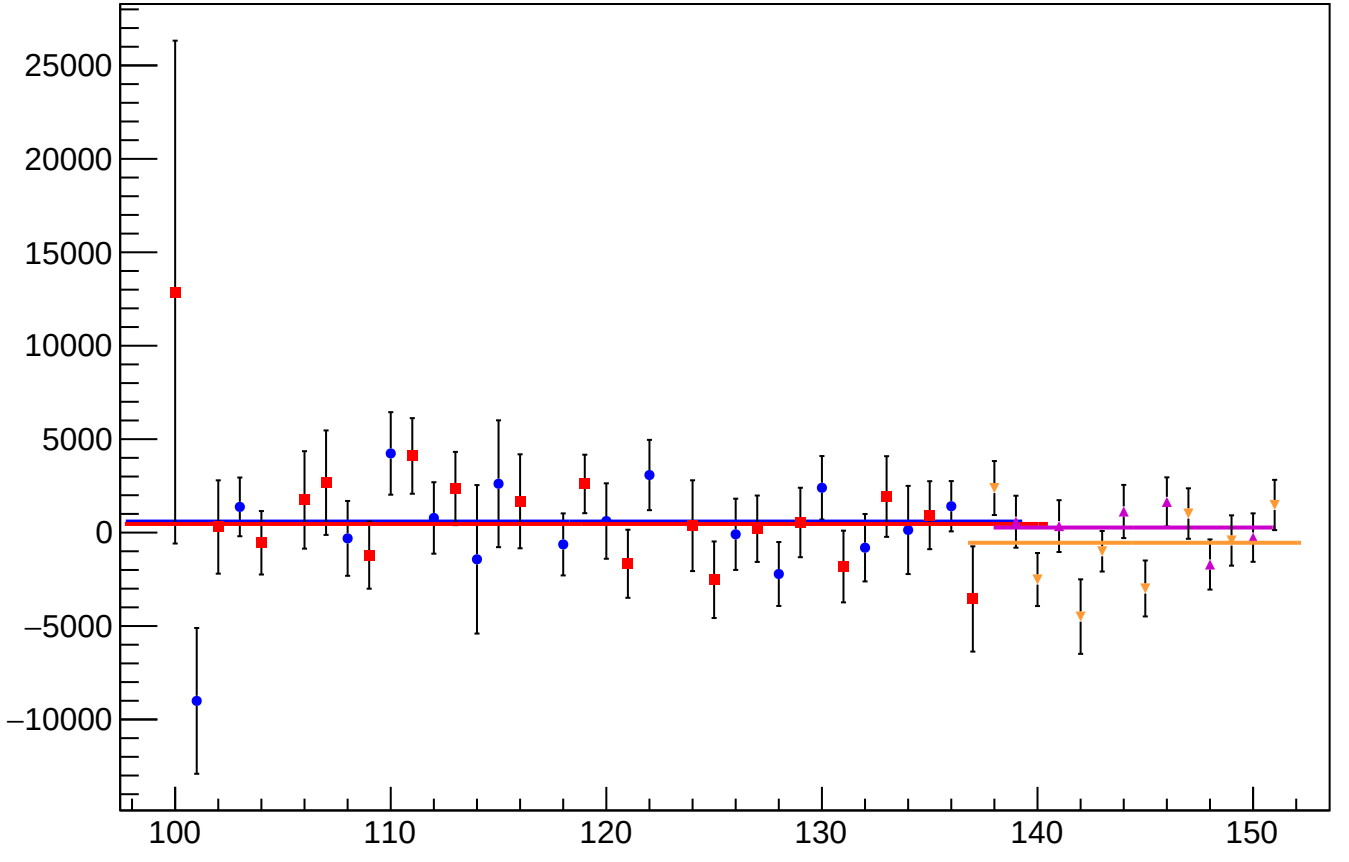
Left In: 601.515+/-0.187 χ^2/NDF:121881.1/5

\+ sign 745.797+/-0.156 χ^2/NDF: 3807466.9/23

All: 744.130+/-0.112 χ^2/NDF: 7369436.9/48

\- sign 742.374+/-0.160 χ^2/NDF: 3561735.8/24

dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -544.649+/-489.278 χ^2/NDF:16.4/7

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

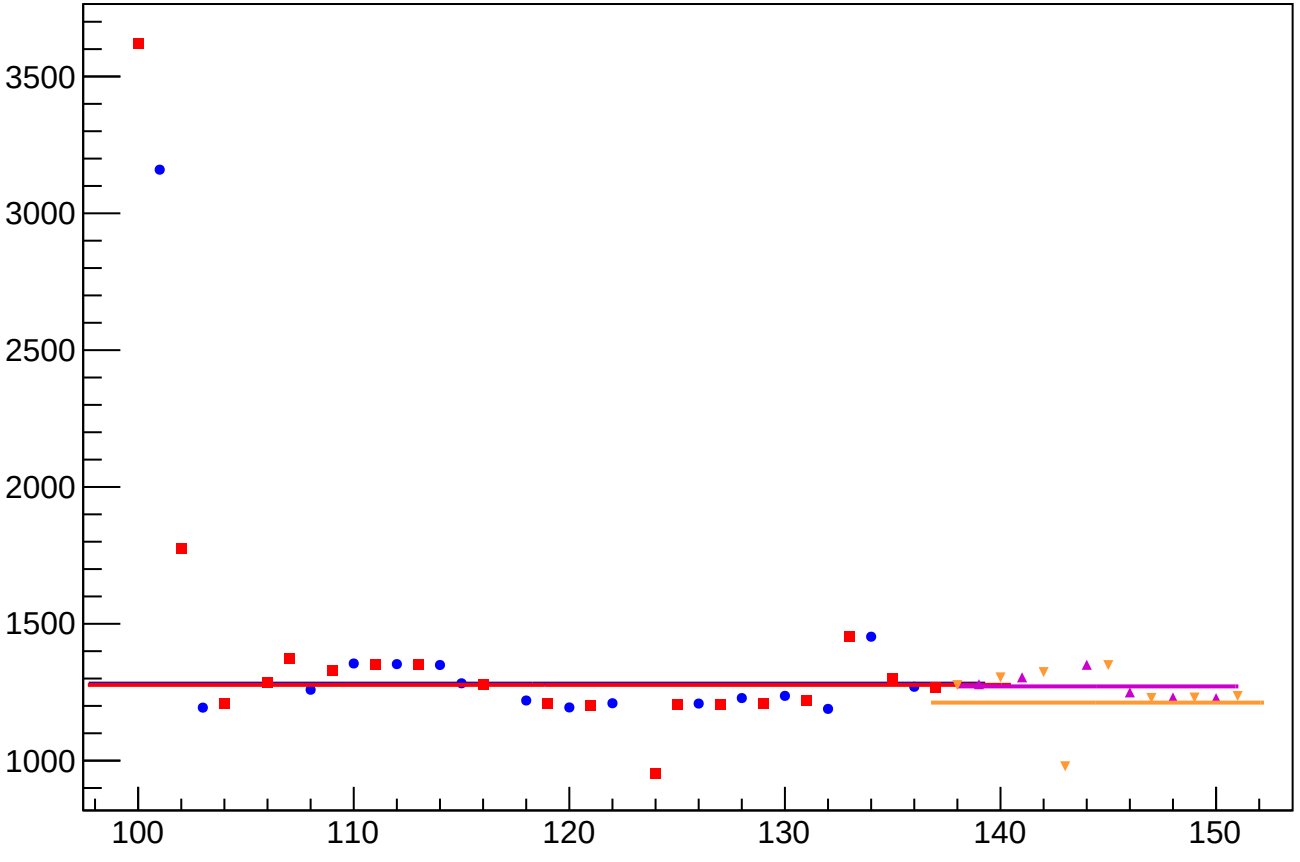
Left In: 270.724+/-553.947 χ^2/NDF:3.8/5

\+ sign 27.255+/-344.622 χ^2/NDF: 36.2/23

All: 195.715+/-249.395 χ^2/NDF: 57.3/48

\- sign 380.947+/-361.370 χ^2/NDF: 20.6/24

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1212.007+/-0.346 χ^2/NDF:128840.7/7

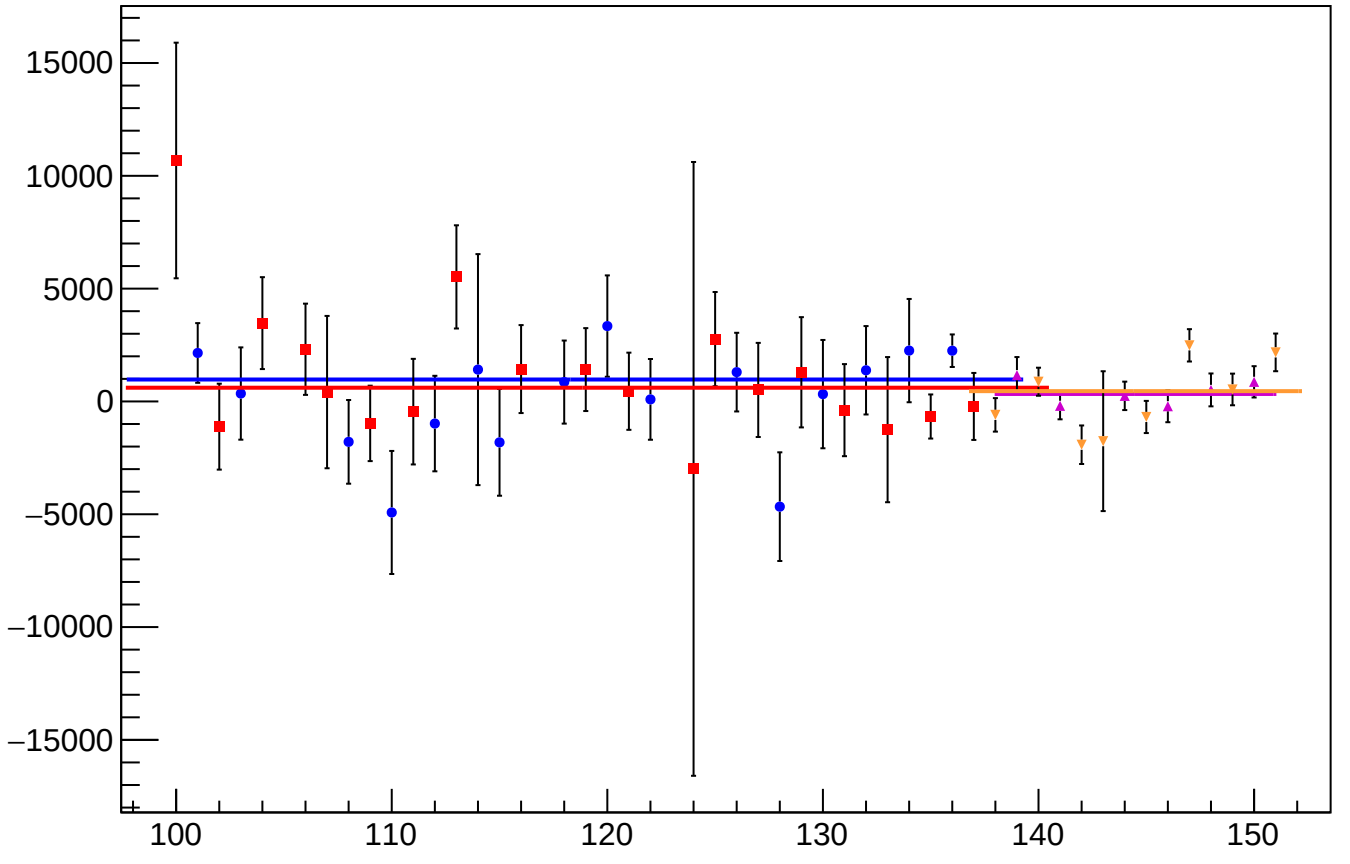
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1271.256+/-0.392 χ^2/NDF:11928.1/5

+ sign 1246.958+/-0.244 χ^2/NDF: 656172.5/23

All: 1260.064+/-0.176 χ^2/NDF: 894805.1/48

- sign 1274.475+/-0.256 χ^2/NDF: 232559.3/24



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 456.384+/-274.631 χ^2/NDF:25.5/7

Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

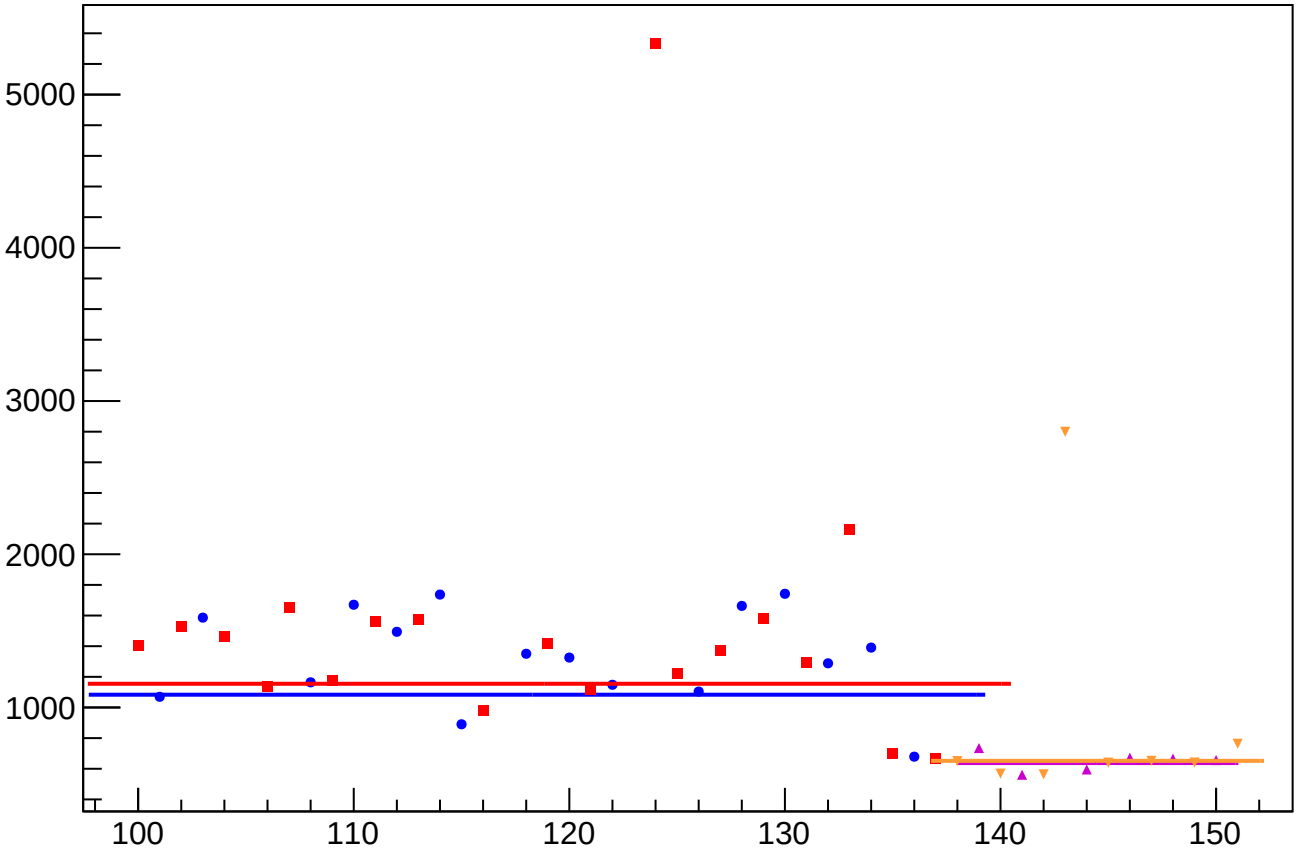
Left In: 331.565+/-279.294 χ^2/NDF:3.1/5

\+ sign 608.240+/-230.698 χ^2/NDF: 47.0/23

All: 511.350+/-165.301 χ^2/NDF: 67.9/48

\- sign 409.121+/-236.969 χ^2/NDF: 20.5/24

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: 651.678+/-0.194 χ^2/NDF:1054627.9/7

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

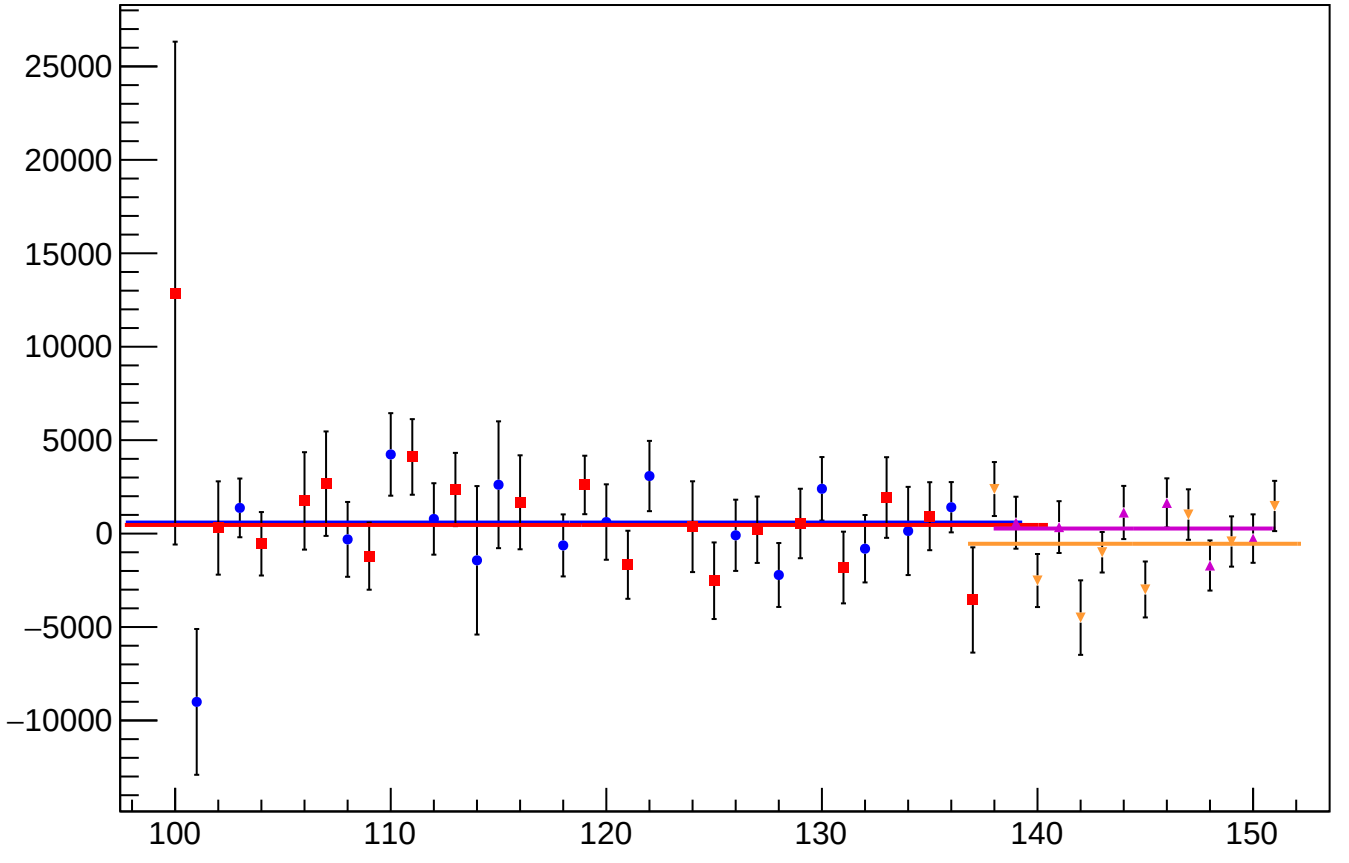
Left In: 637.333+/-0.197 χ^2/NDF:80882.0/5

\+ sign 778.736+/-0.163 χ^2/NDF: 3869141.1/23

All: 780.453+/-0.117 χ^2/NDF: 7361152.5/48

\- sign 782.265+/-0.168 χ^2/NDF: 3491783.7/24

eigen_dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -544.650+/-489.278 χ^2/NDF:16.4/7

Right Out: 462.605+/-476.795 χ^2/NDF: 16.7/18

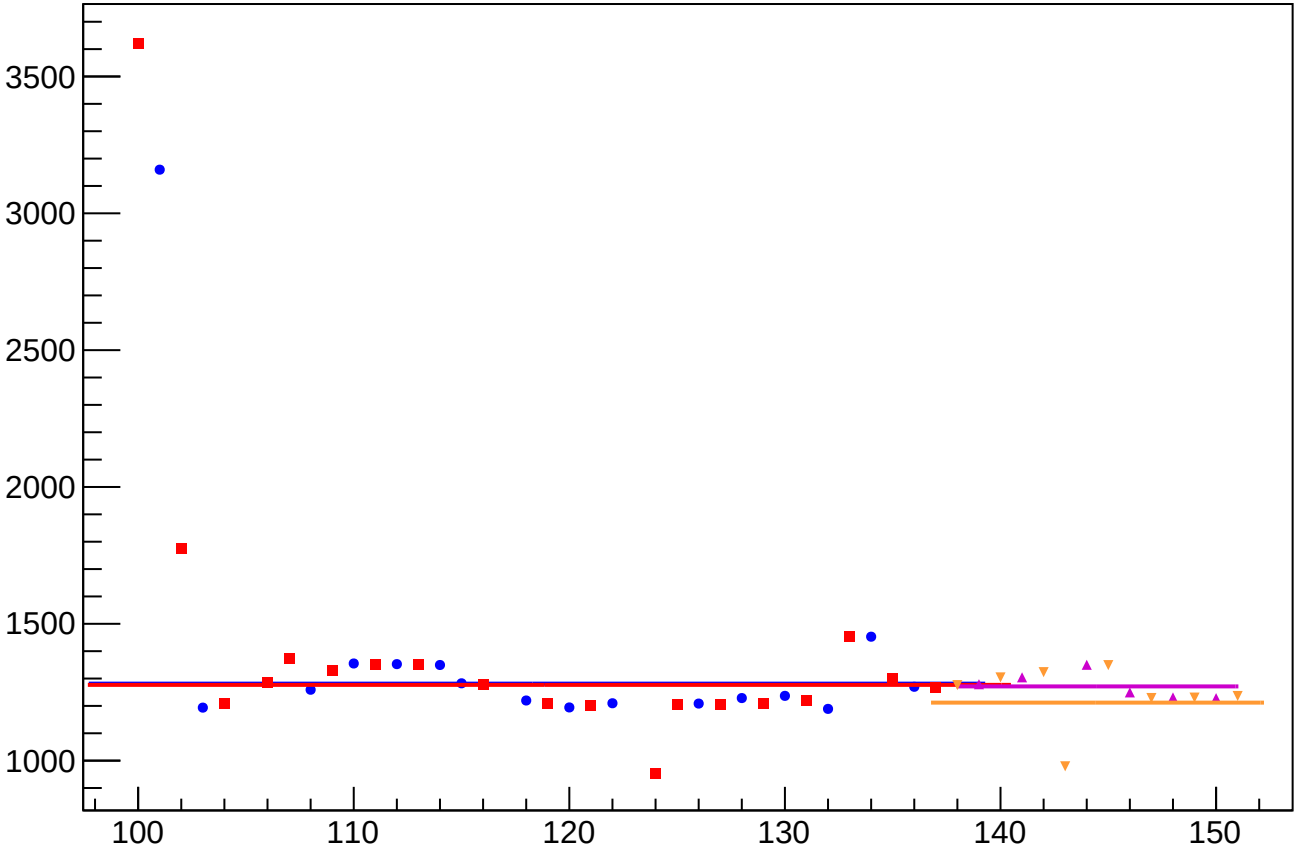
Left In: 270.727+/-553.947 χ^2/NDF:3.8/5

+ sign 27.256+/-344.622 χ^2/NDF: 36.2/23

All: 195.716+/-249.395 χ^2/NDF: 57.3/48

- sign 380.948+/-361.370 χ^2/NDF: 20.6/24

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: 1212.007+/-0.346 χ^2/NDF:128840.0/7

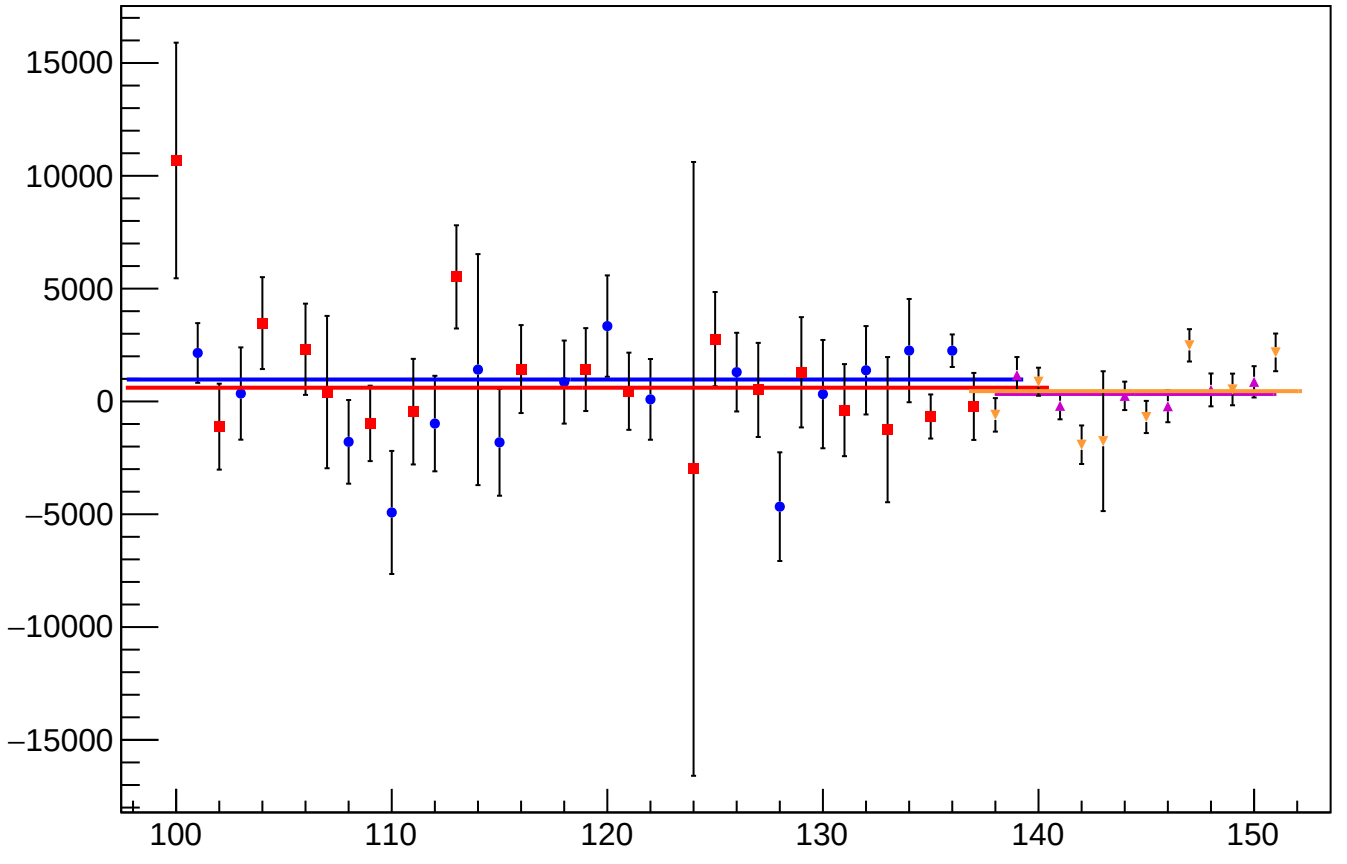
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1271.256+/-0.392 χ^2/NDF:11928.2/5

+ sign 1246.958+/-0.244 χ^2/NDF: 656171.7/23

All: 1260.064+/-0.176 χ^2/NDF: 894804.3/48

- sign 1274.475+/-0.256 χ^2/NDF: 232559.2/24



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 456.388+/-274.632 χ^2/NDF:25.5/7

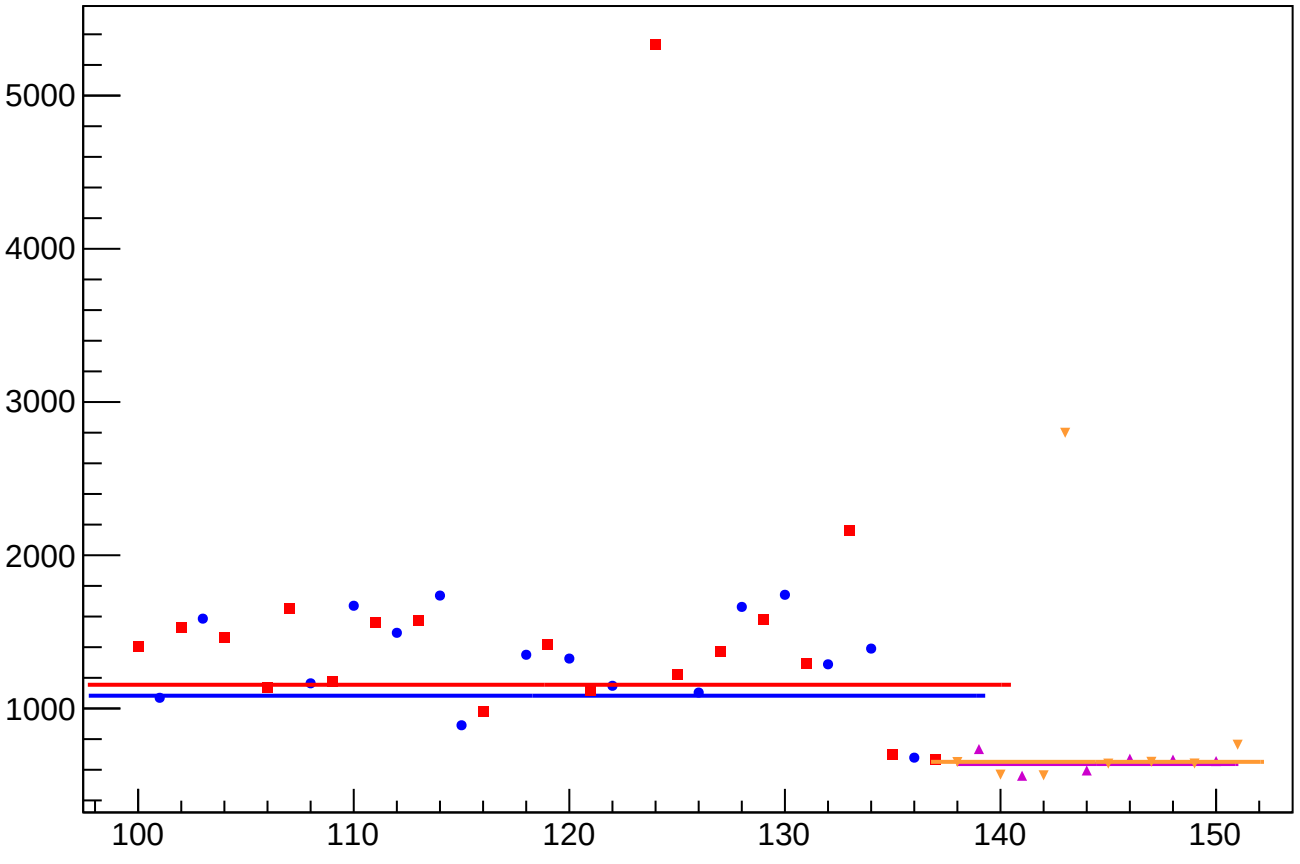
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 331.564+/-279.294 χ^2/NDF:3.1/5

+ sign 608.241+/-230.699 χ^2/NDF: 47.0/23

All: 511.351+/-165.301 χ^2/NDF: 67.9/48

- sign 409.122+/-236.969 χ^2/NDF: 20.5/24



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 651.680+/-0.194 χ^2/NDF:1054624.2/7

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

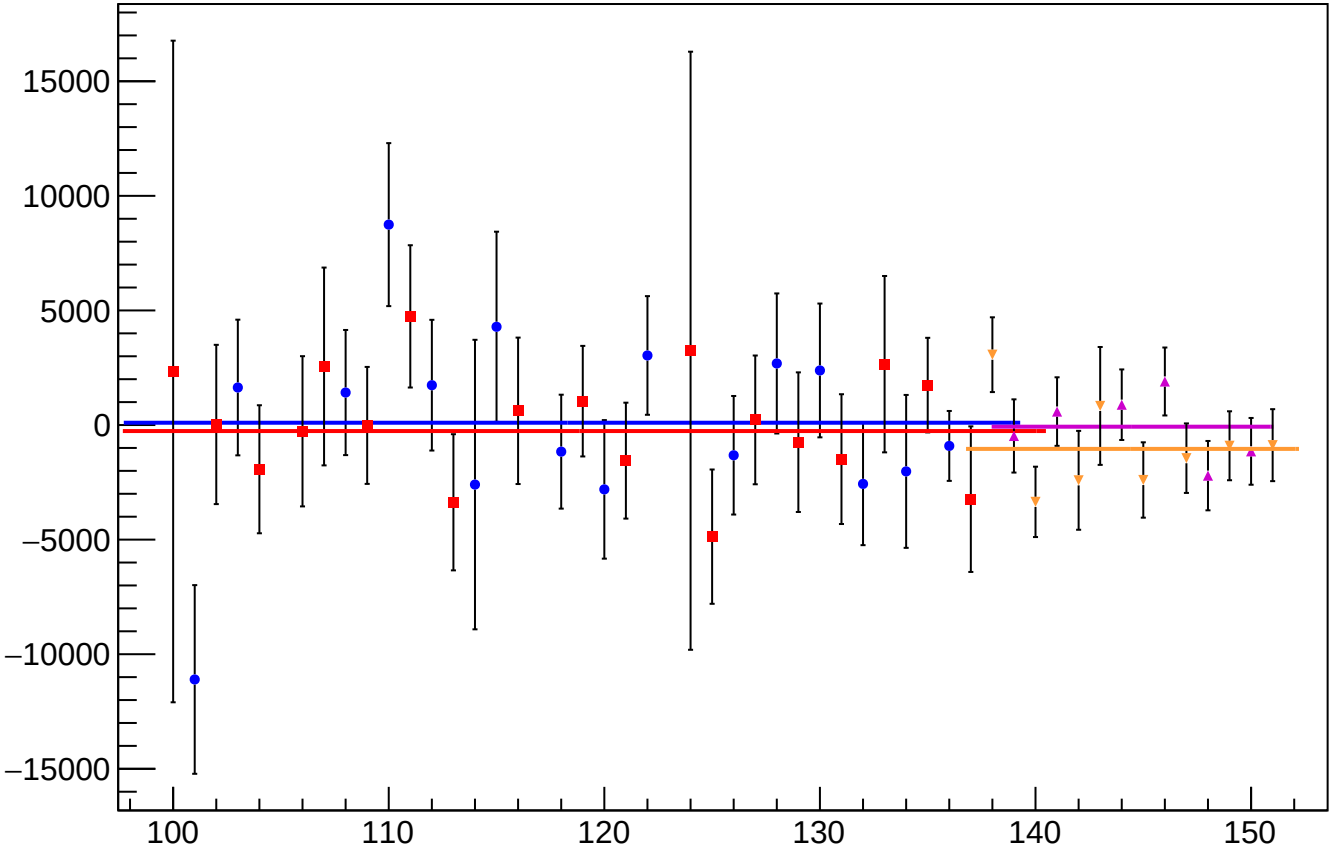
Left In: 637.333+/-0.197 χ^2/NDF:80884.4/5

+ sign 778.739+/-0.163 χ^2/NDF: 3869100.3/23

All: 780.455+/-0.117 χ^2/NDF: 7361106.9/48

- sign 782.265+/-0.168 χ^2/NDF: 3491779.2/24

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1041.060+/-595.684 χ^2/NDF:10.3/7

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

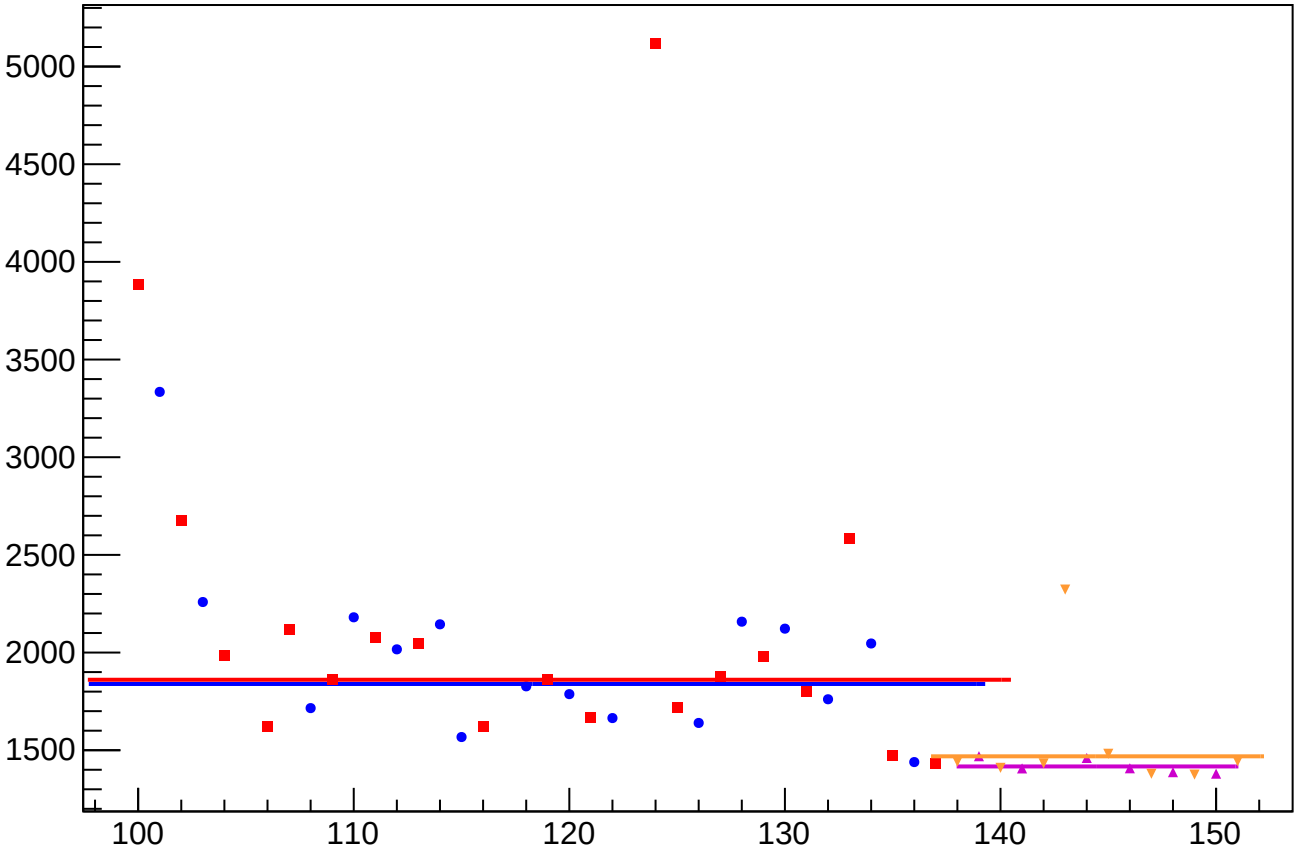
Left In: -72.772+/-617.311 χ^2/NDF:5.0/5

+ sign -560.807+/-453.379 χ^2/NDF: 33.2/23

All: -362.572+/-323.906 χ^2/NDF: 48.9/48

- sign -155.911+/-462.914 χ^2/NDF: 15.3/24

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1468.785+/-0.421 χ^2/NDF:239717.2/7

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

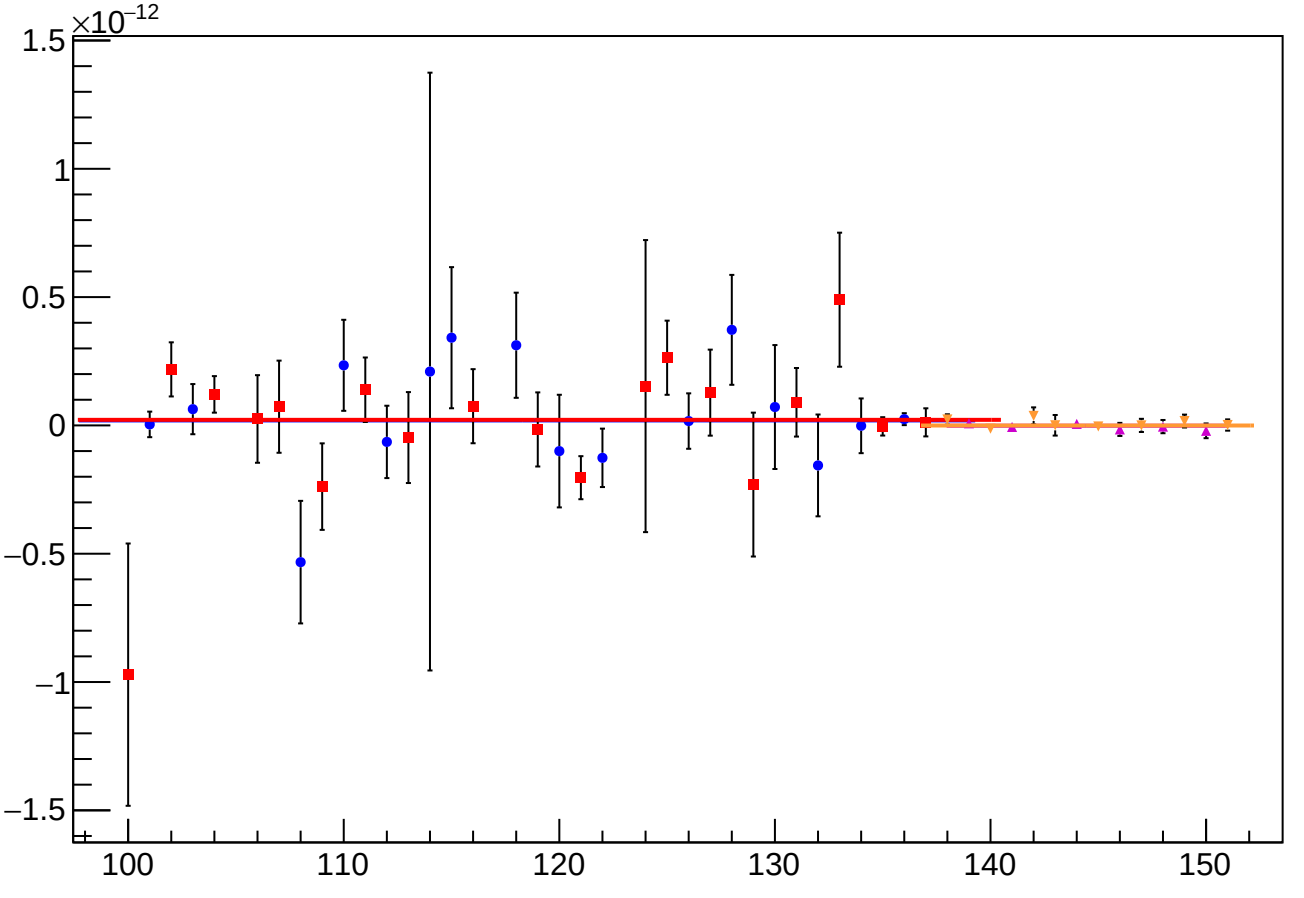
Left In: 1416.951+/-0.437 χ^2/NDF:5960.6/5

+ sign 1624.588+/-0.321 χ^2/NDF: 1121652.1/23

All: 1618.030+/-0.229 χ^2/NDF: 2103013.6/48

- sign 1611.192+/-0.327 χ^2/NDF: 980506.7/24

asym_atl_dd_atr_dd_dd_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:4.5/7

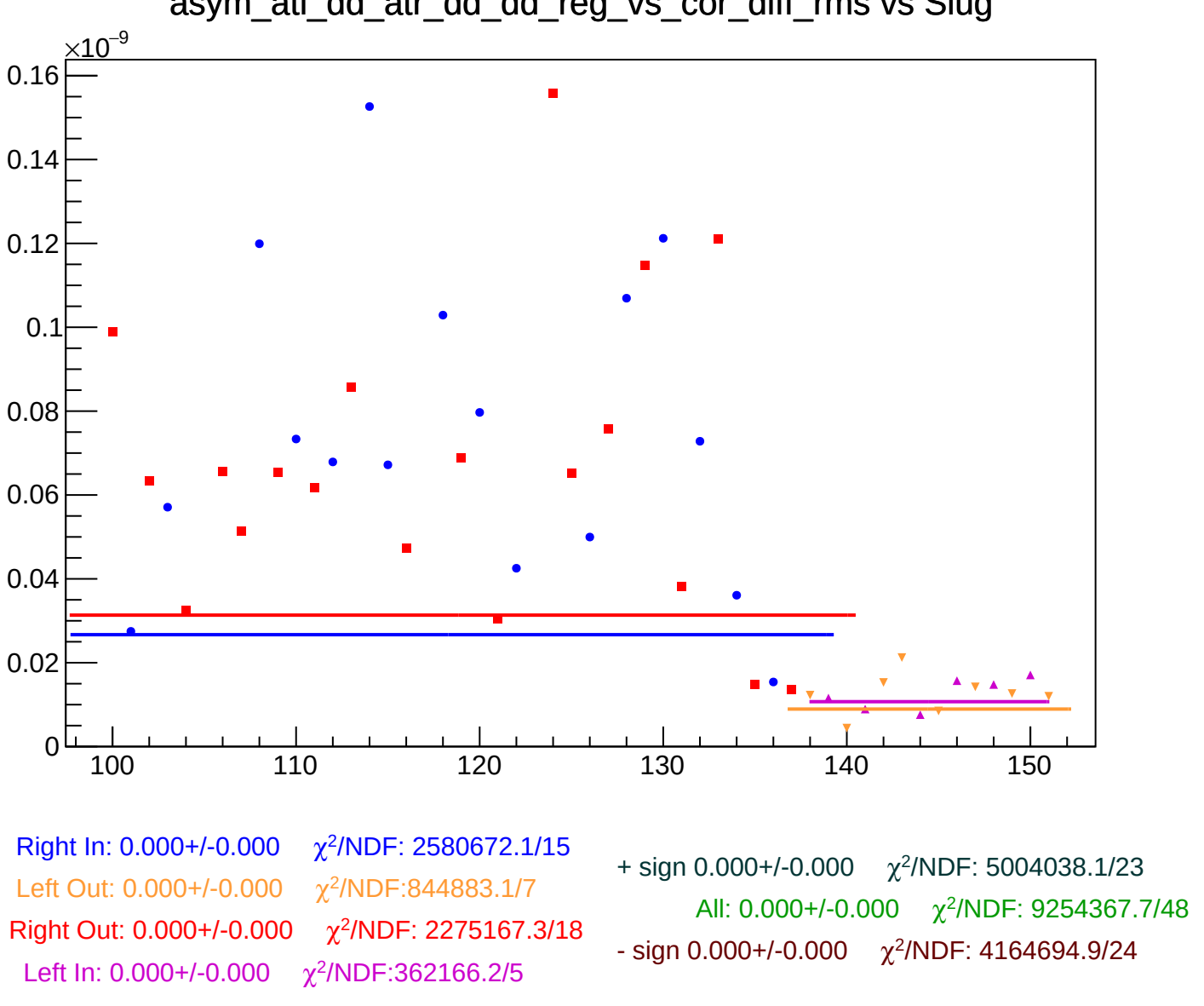
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

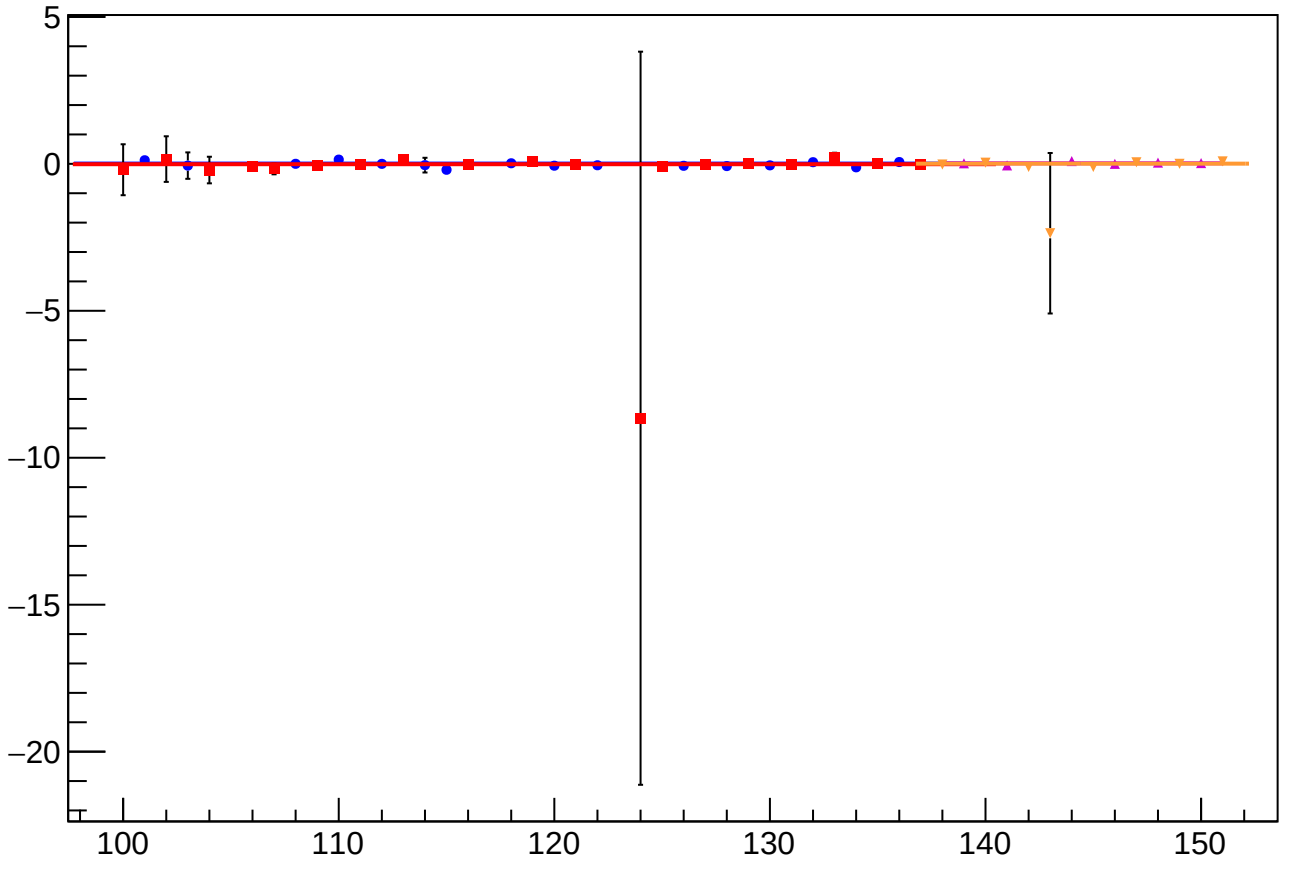
Left In: -0.000+/-0.000 χ^2/NDF:1.4/5

+ sign 0.000+/-0.000 χ^2/NDF: 22.0/23

All: 0.000+/-0.000 χ^2/NDF: 52.5/48

- sign 0.000+/-0.000 χ^2/NDF: 30.6/24


asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2580672.1/15
Left Out: 0.000+/-0.000 χ²/NDF:844883.1/7
Right Out: 0.000+/-0.000 χ²/NDF: 2275167.3/18
Left In: 0.000+/-0.000 χ²/NDF:362166.2/5
+ sign 0.000+/-0.000 χ²/NDF: 5004038.1/23
All: 0.000+/-0.000 χ²/NDF: 9254367.7/48
- sign 0.000+/-0.000 χ²/NDF: 4164694.9/24



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.006+/-0.016 χ^2/NDF:11.8/7

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

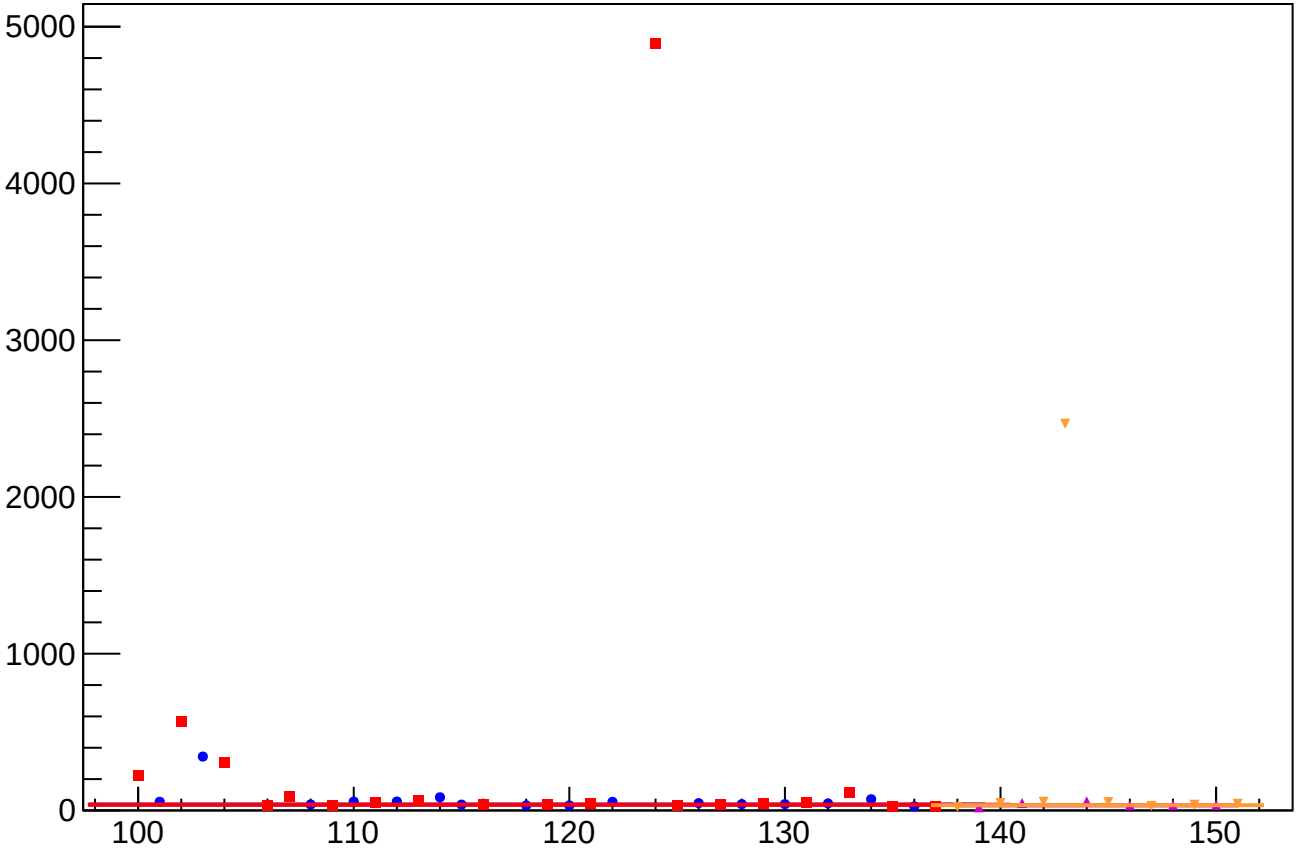
Left In: 0.018+/-0.016 χ^2/NDF:3.9/5

+ sign 0.007+/-0.011 χ^2/NDF: 31.0/23

All: 0.005+/-0.008 χ^2/NDF: 49.4/48

- sign 0.004+/-0.012 χ^2/NDF: 18.3/24

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: 33.647+/-0.011 χ^2/NDF:2486052.1/7

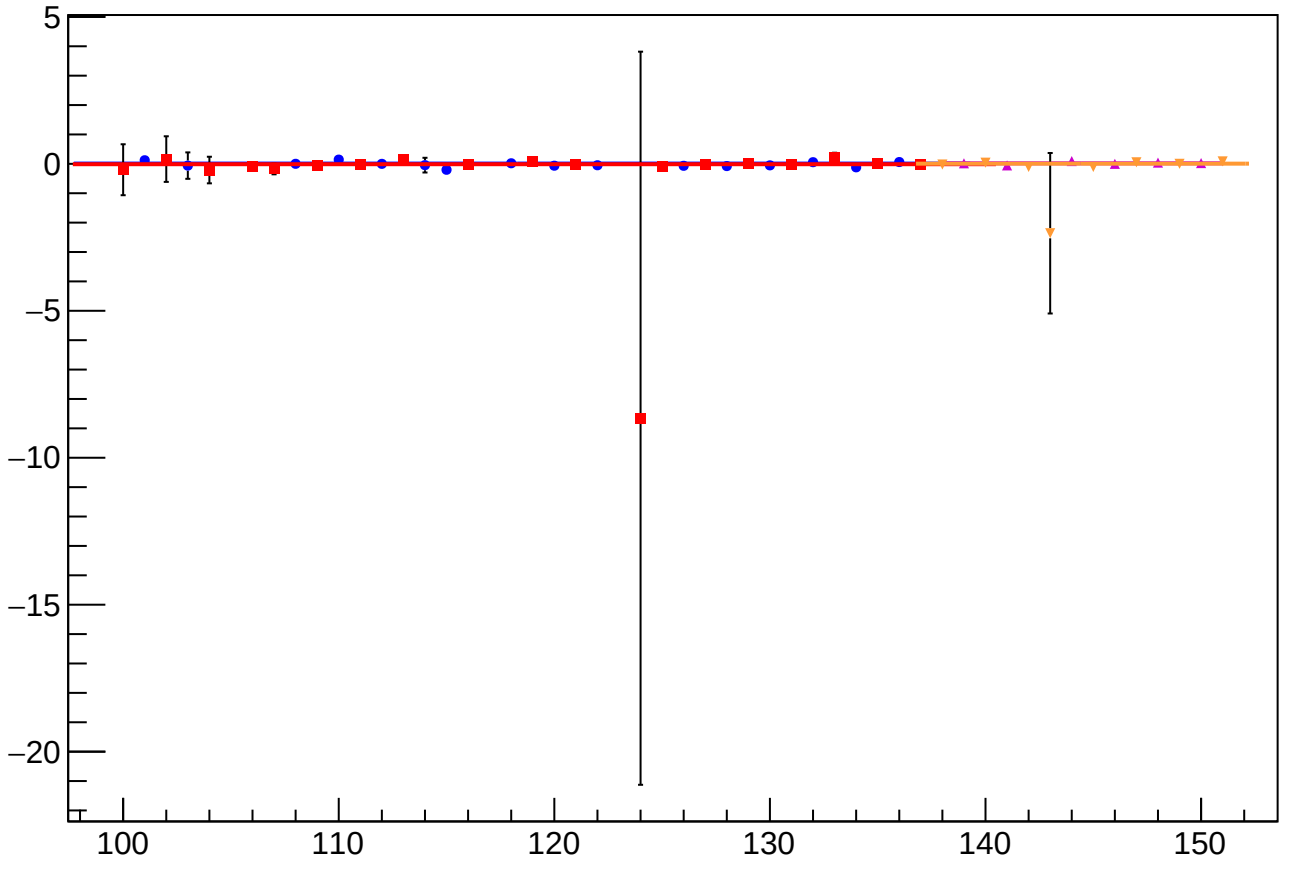
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.499+/-0.011 χ^2/NDF:904074.5/5

+ sign 35.579+/-0.008 χ^2/NDF: 4526329.9/23

All: 35.072+/-0.006 χ^2/NDF: 8697572.1/48

- sign 34.553+/-0.008 χ^2/NDF: 4163219.2/24



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.006+/-0.016 χ^2/NDF:11.8/7

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

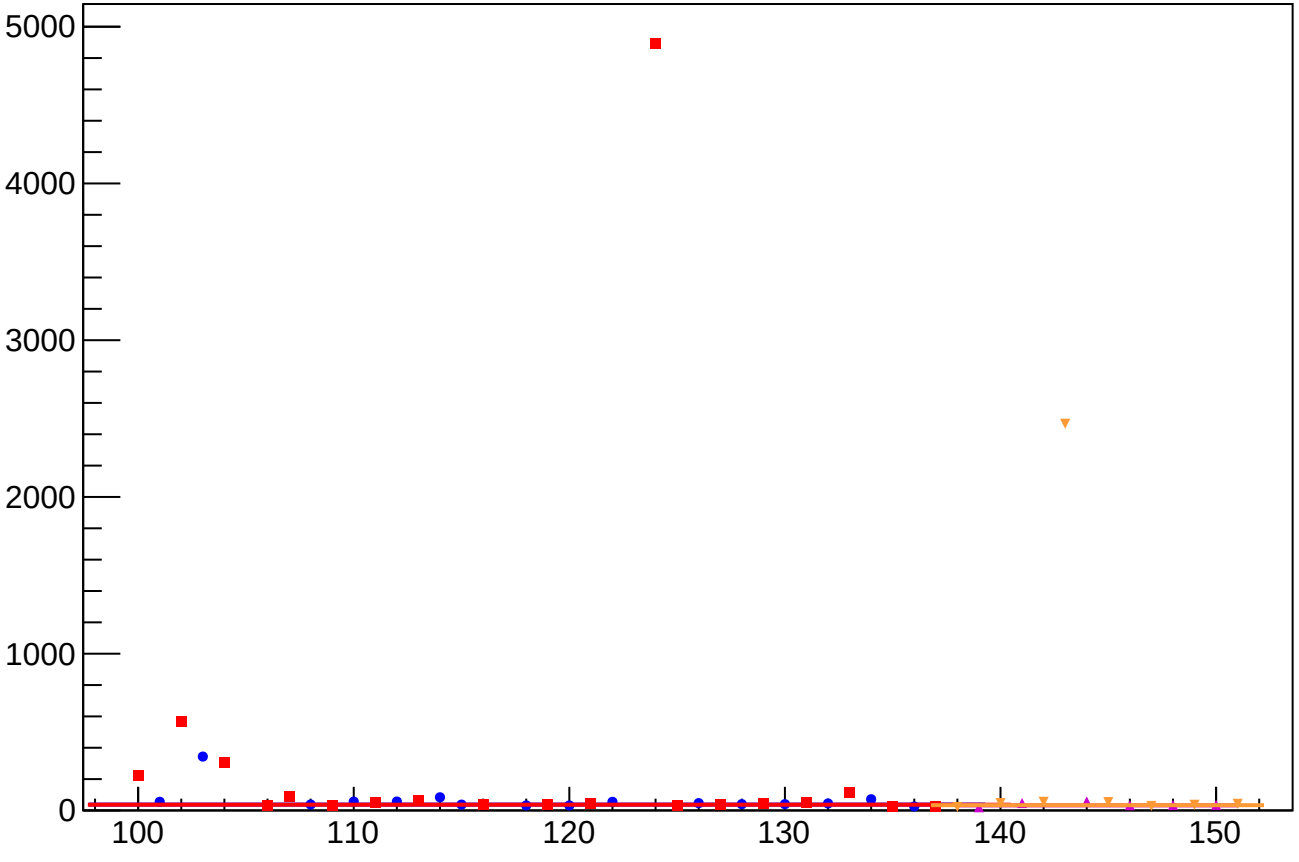
Left In: 0.018+/-0.016 χ^2/NDF:3.9/5

+ sign 0.007+/-0.011 χ^2/NDF: 31.0/23

All: 0.005+/-0.008 χ^2/NDF: 49.4/48

- sign 0.004+/-0.012 χ^2/NDF: 18.3/24

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 33.647+/-0.011 χ^2/NDF:2486052.1/7

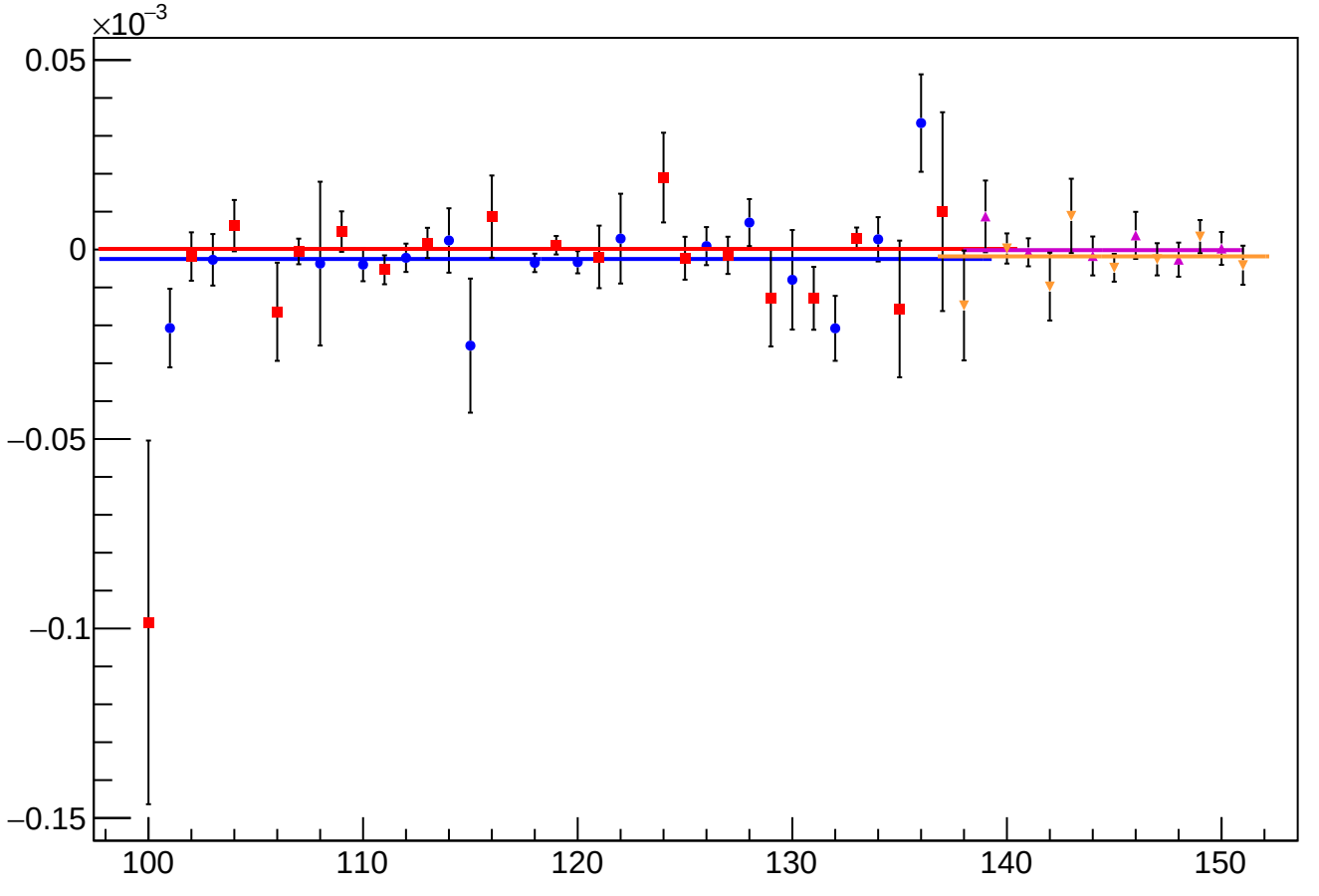
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.499+/-0.011 χ^2/NDF:904074.5/5

+ sign 35.579+/-0.008 χ^2/NDF: 4526329.9/23

All: 35.072+/-0.006 χ^2/NDF: 8697572.1/48

- sign 34.553+/-0.008 χ^2/NDF: 4163219.2/24



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.4/7

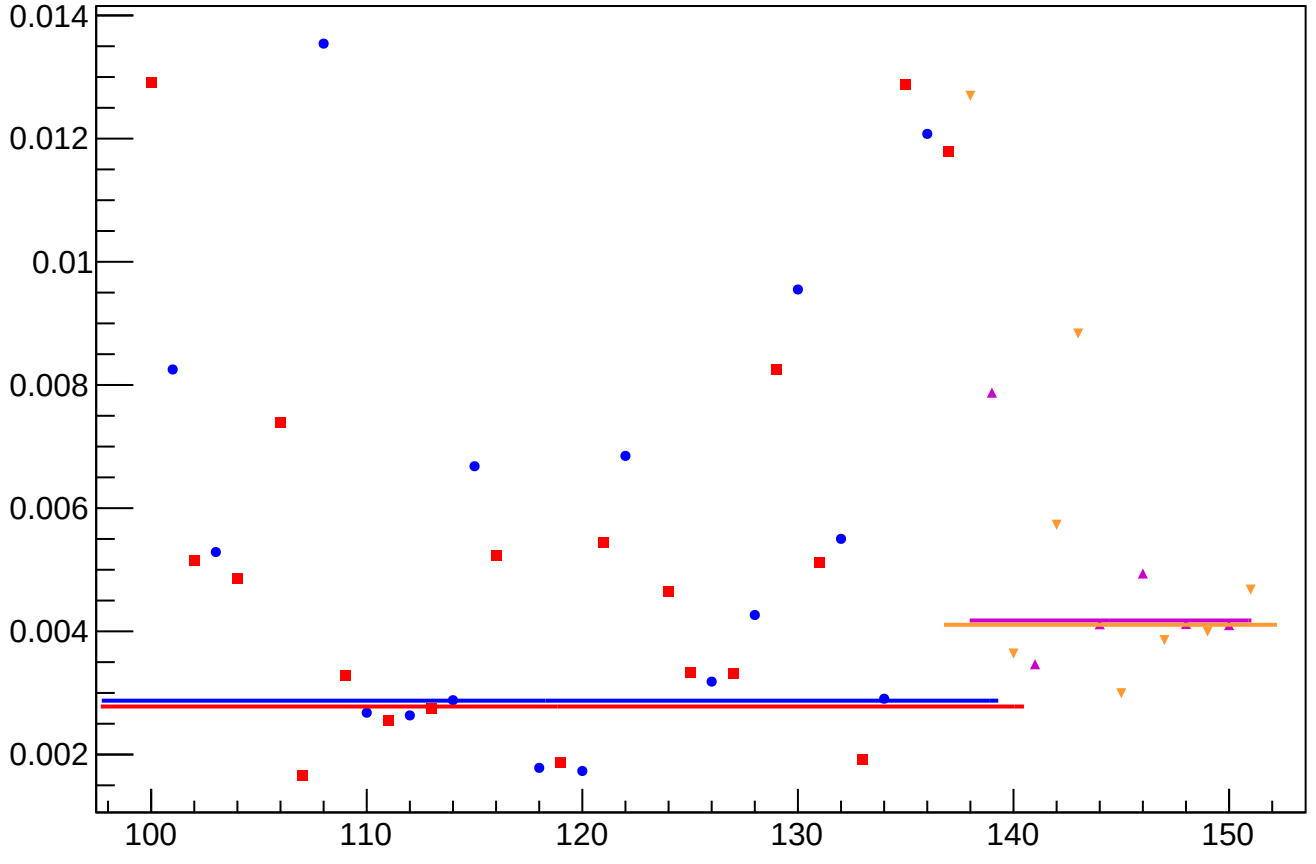
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:1.7/5

+ sign -0.000+/-0.000 χ^2/NDF: 27.3/23

All: -0.000+/-0.000 χ^2/NDF: 50.5/48

- sign 0.000+/-0.000 χ^2/NDF: 20.6/24



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:1477024.7/7

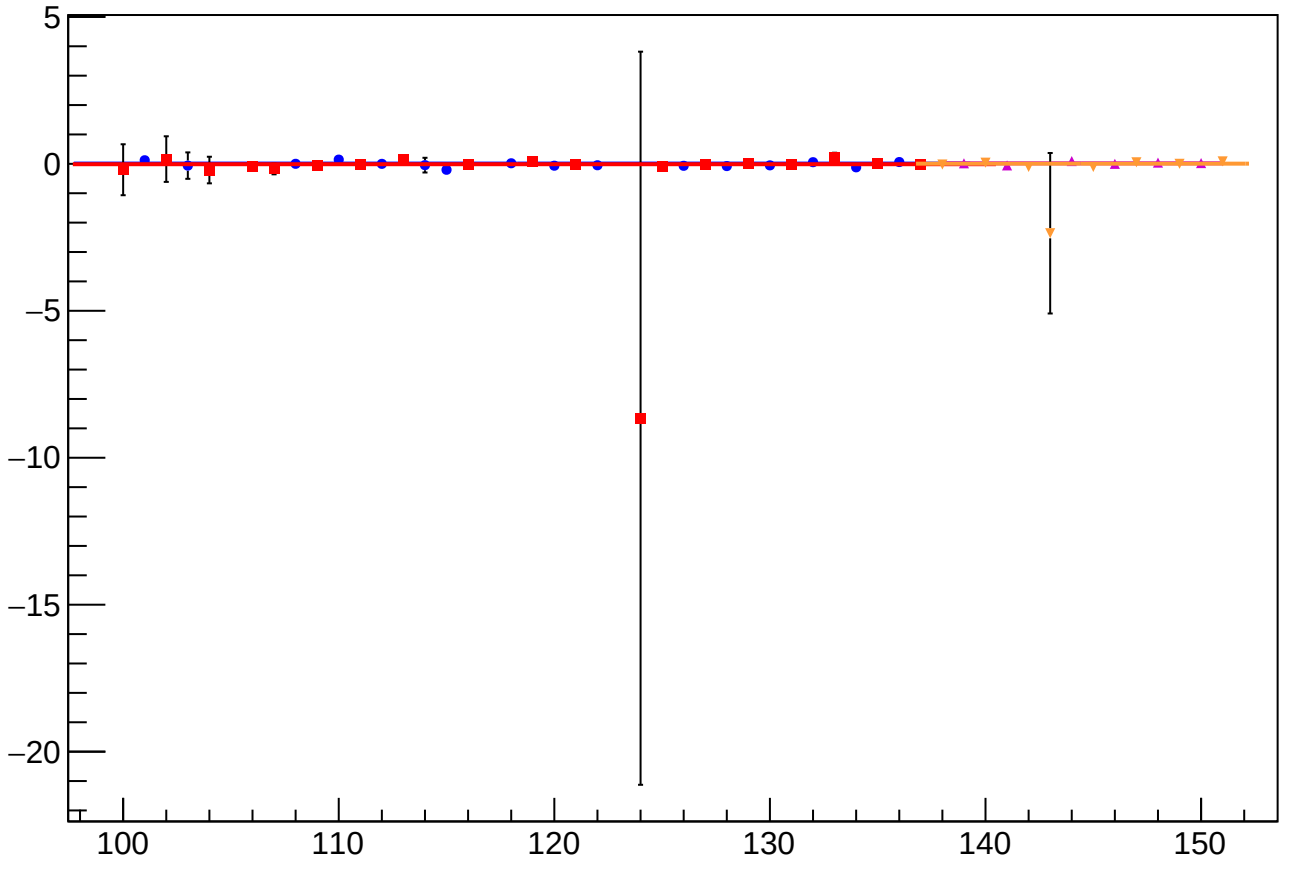
Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:411345.4/5

+ sign 0.003+/-0.000 χ^2/NDF: 6245702.5/23

All: 0.003+/-0.000 χ^2/NDF: 10720616.8/48

- sign 0.003+/-0.000 χ^2/NDF: 4450185.0/24



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.006+/-0.016 χ^2/NDF:11.8/7

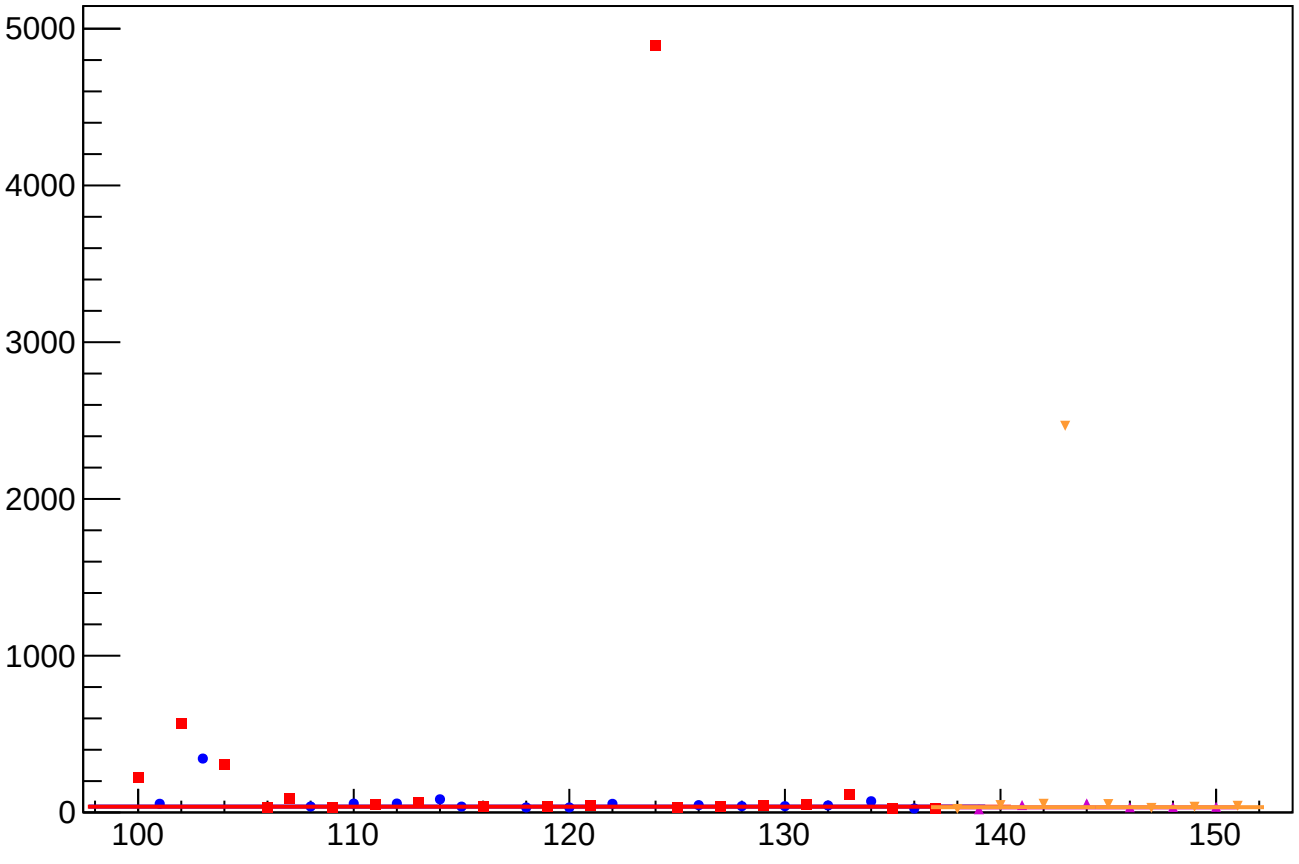
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.018+/-0.016 χ^2/NDF:3.9/5

+ sign 0.007+/-0.011 χ^2/NDF: 31.0/23

All: 0.005+/-0.008 χ^2/NDF: 49.4/48

- sign 0.004+/-0.012 χ^2/NDF: 18.3/24



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.644+/-0.011 χ^2/NDF:2486425.7/7

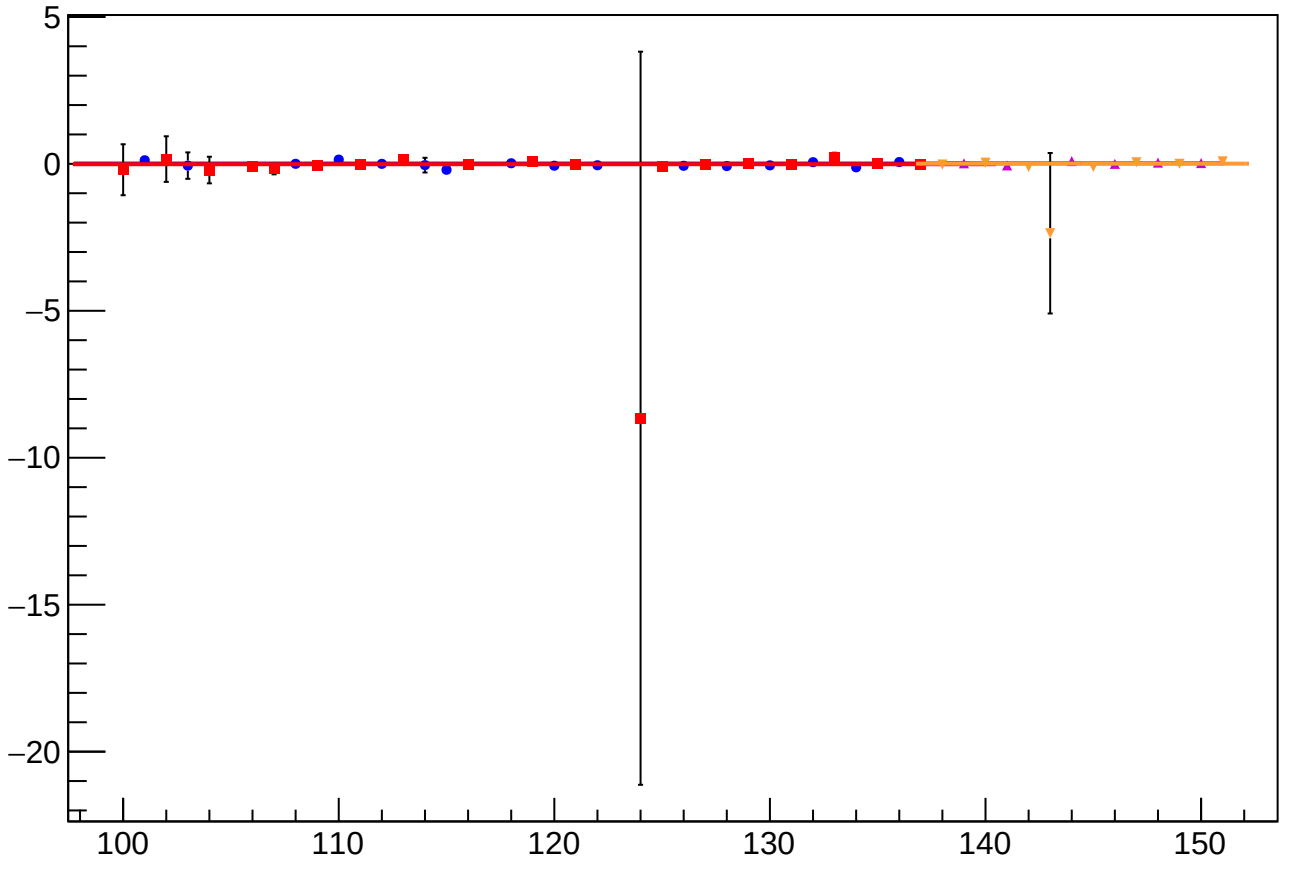
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.504+/-0.011 χ^2/NDF:903285.4/5

+ sign 35.578+/-0.008 χ^2/NDF: 4526743.0/23

All: 35.073+/-0.006 χ^2/NDF: 8696736.4/48

- sign 34.556+/-0.008 χ^2/NDF: 4162040.5/24



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.006+/-0.016 χ^2/NDF:11.8/7

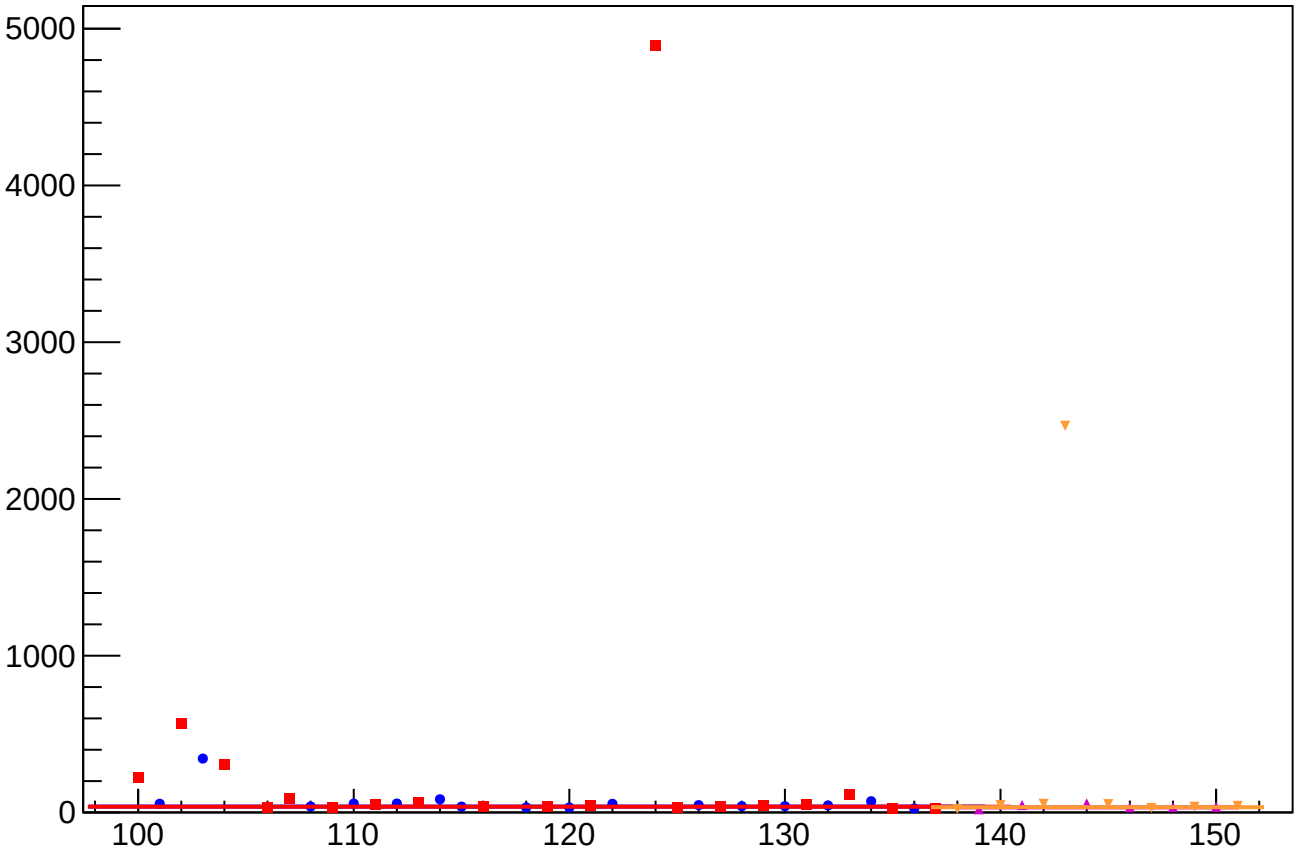
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.018+/-0.016 χ^2/NDF:3.9/5

+ sign 0.007+/-0.011 χ^2/NDF: 31.0/23

All: 0.005+/-0.008 χ^2/NDF: 49.4/48

- sign 0.004+/-0.012 χ^2/NDF: 18.3/24



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.644+/-0.011 χ^2/NDF:2486425.7/7

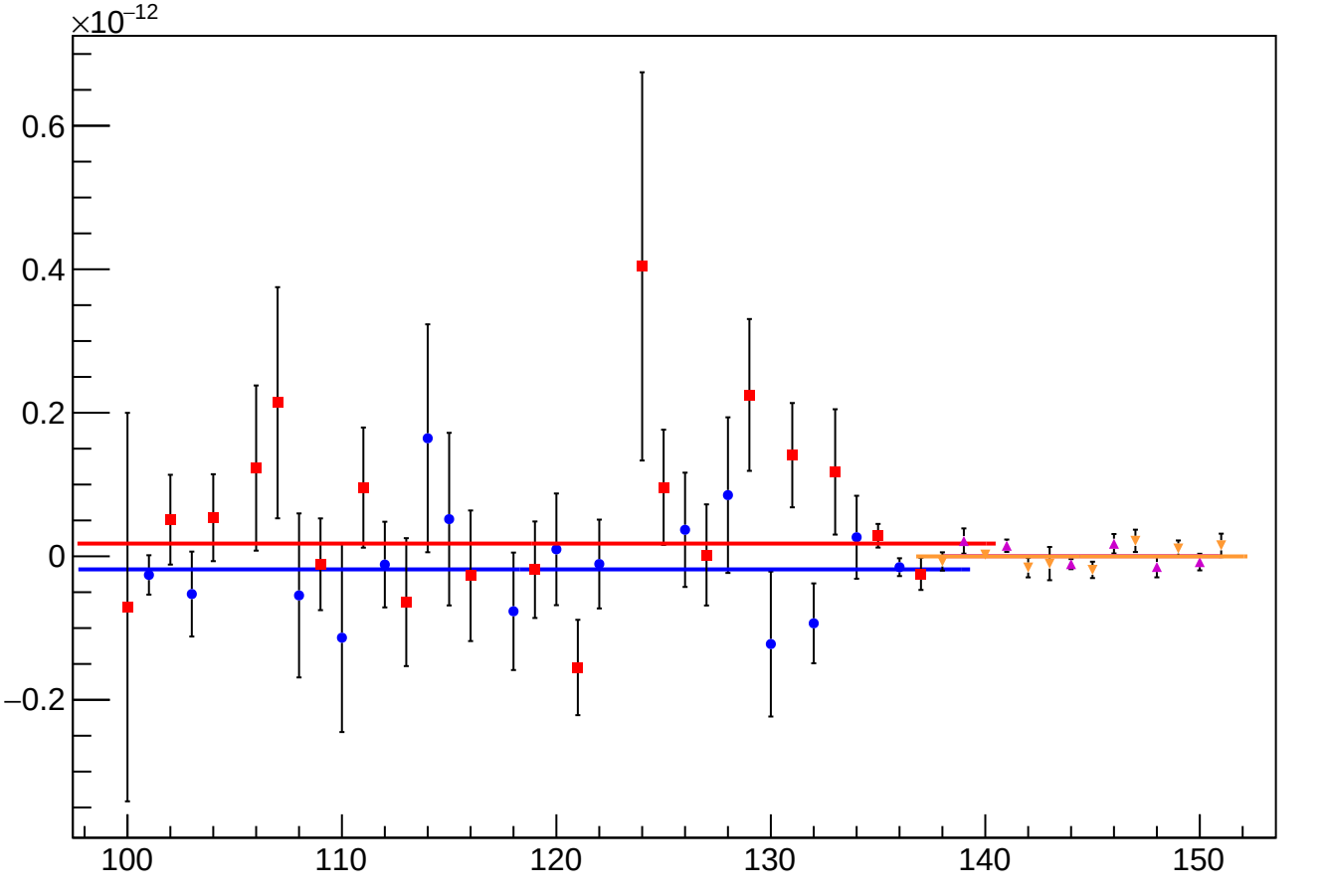
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.504+/-0.011 χ^2/NDF:903285.4/5

+ sign 35.578+/-0.008 χ^2/NDF: 4526743.0/23

All: 35.073+/-0.006 χ^2/NDF: 8696736.4/48

- sign 34.556+/-0.008 χ^2/NDF: 4162040.5/24



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.4/7

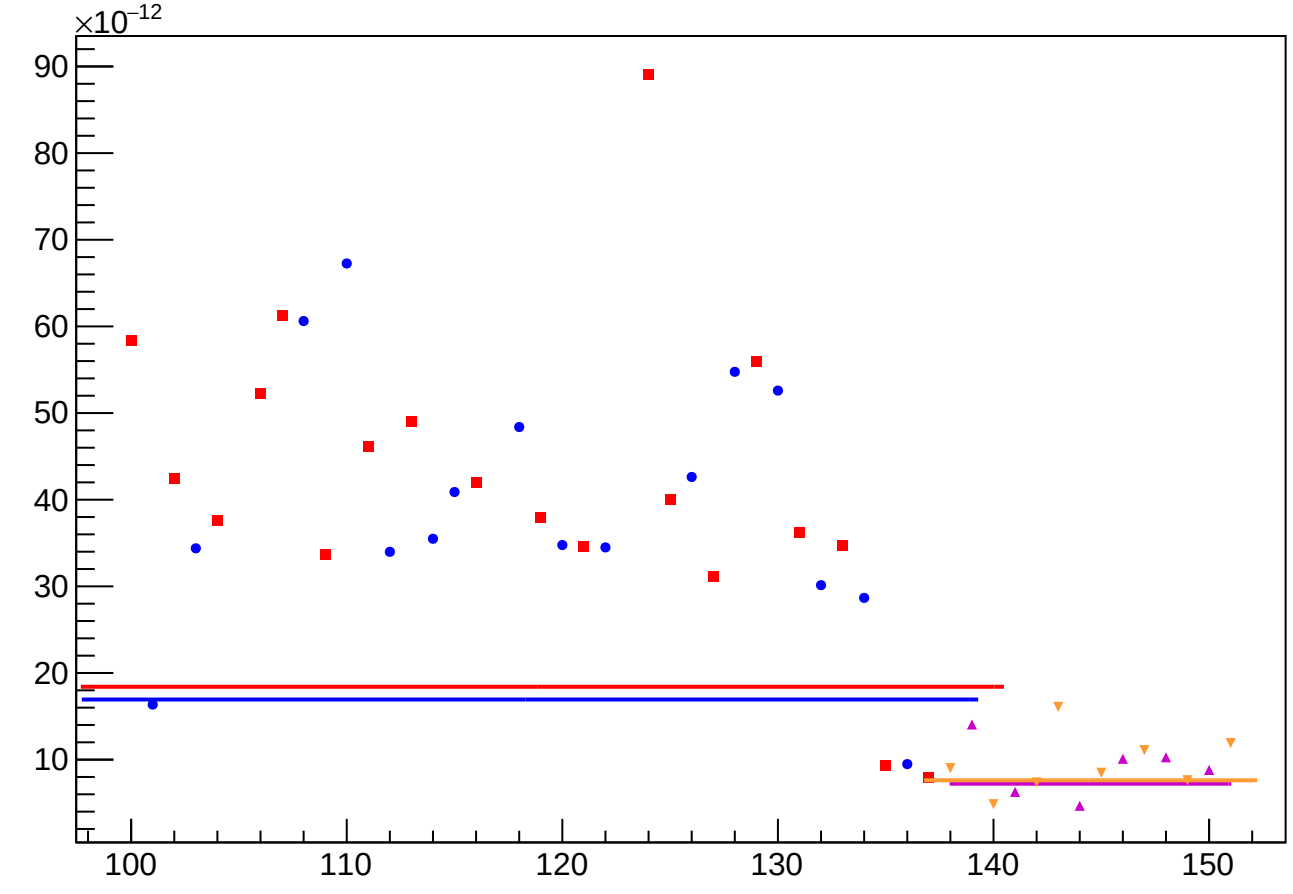
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:10.0/5

+ sign -0.000+/-0.000 χ^2/NDF: 19.6/23

All: -0.000+/-0.000 χ^2/NDF: 59.9/48

- sign 0.000+/-0.000 χ^2/NDF: 39.4/24



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:878202.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

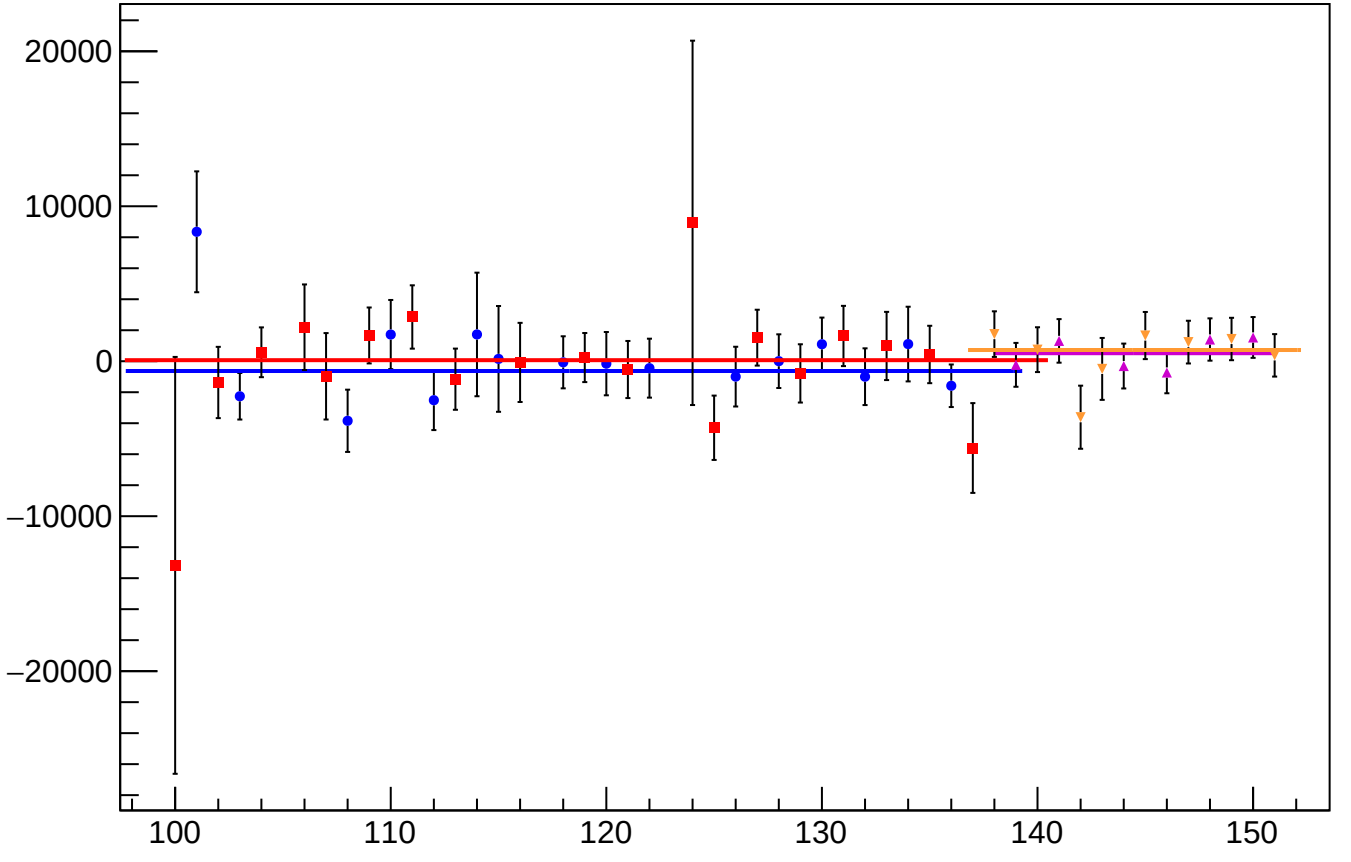
Left In: 0.000+/-0.000 χ^2/NDF:805443.7/5

+ sign 0.000+/-0.000 χ^2/NDF: 5593722.7/23

All: 0.000+/-0.000 χ^2/NDF: 11862322.9/48

- sign 0.000+/-0.000 χ^2/NDF: 6262333.4/24

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 723.837+/-537.862 χ^2/NDF:6.2/7

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

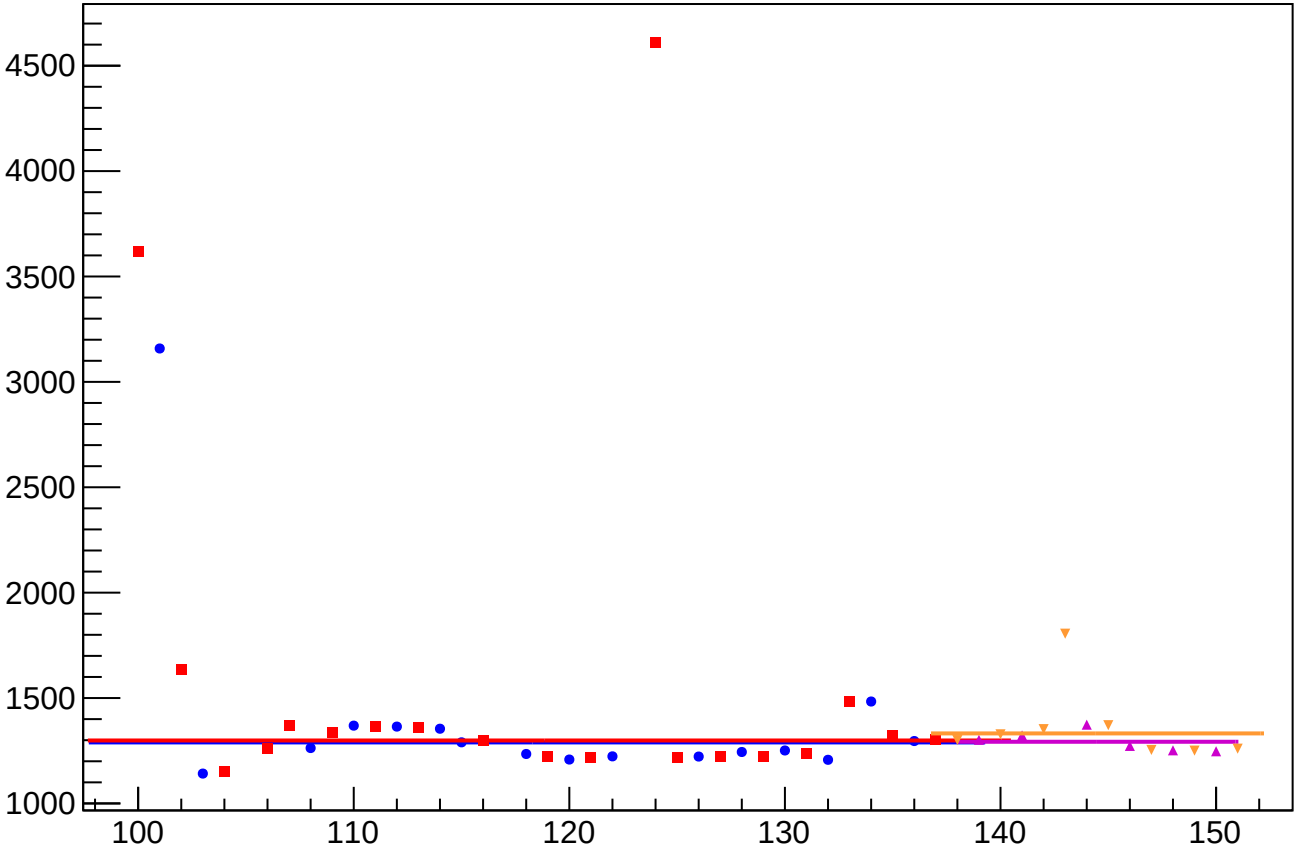
Left In: 517.647+/-563.232 χ^2/NDF:2.8/5

+ sign -18.389+/-361.682 χ^2/NDF: 23.6/23

All: 118.368+/-258.199 χ^2/NDF: 43.0/48

- sign 260.496+/-368.716 χ^2/NDF: 19.0/24

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1332.187+/-0.380 χ^2/NDF:133752.8/7

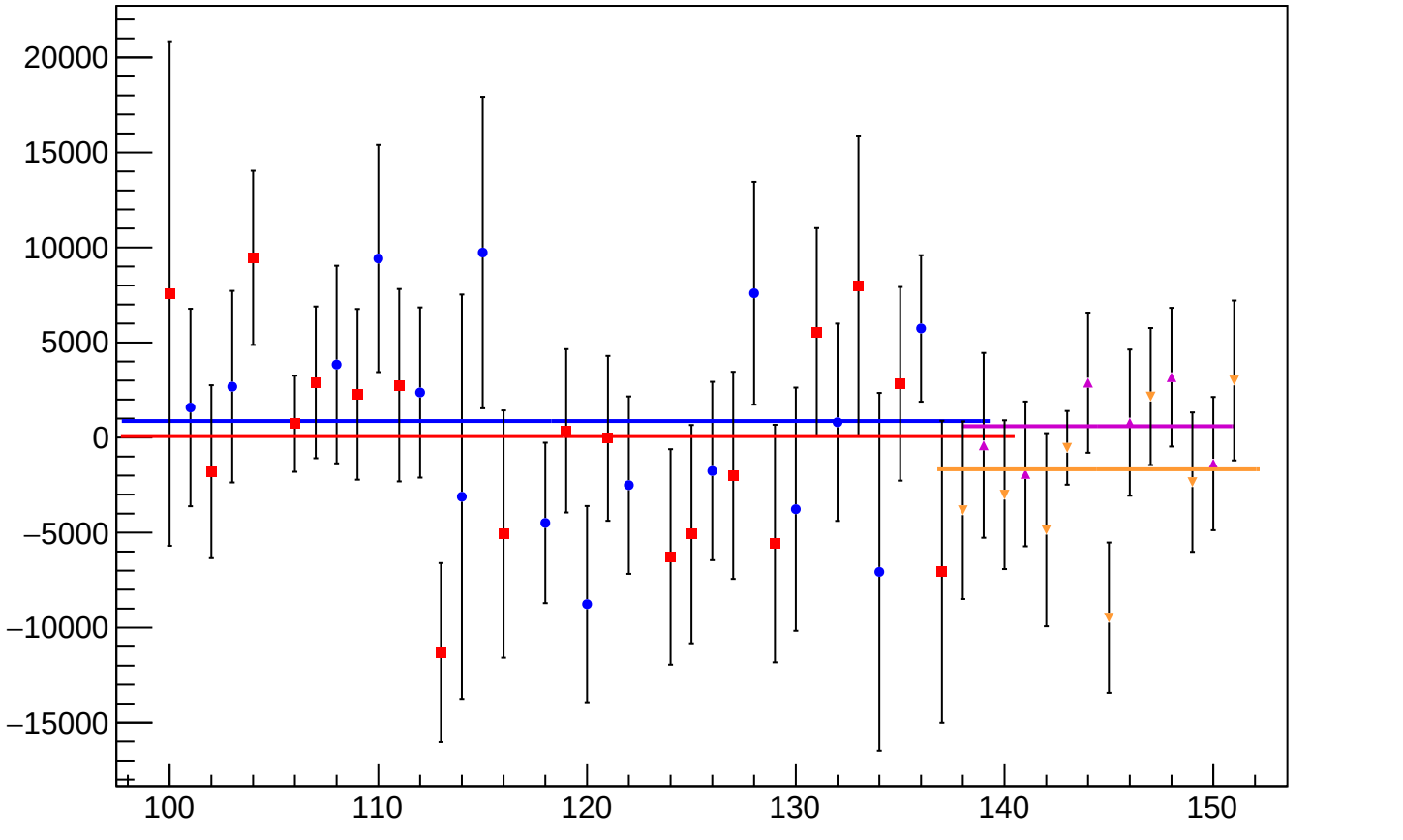
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1292.555+/-0.398 χ^2/NDF:11829.7/5

+ sign 1308.784+/-0.256 χ^2/NDF: 655339.9/23

All: 1302.530+/-0.182 χ^2/NDF: 987896.5/48

- sign 1296.049+/-0.260 χ^2/NDF: 331338.9/24



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -1668.580+/-1206.139 χ^2/NDF:7.4/7

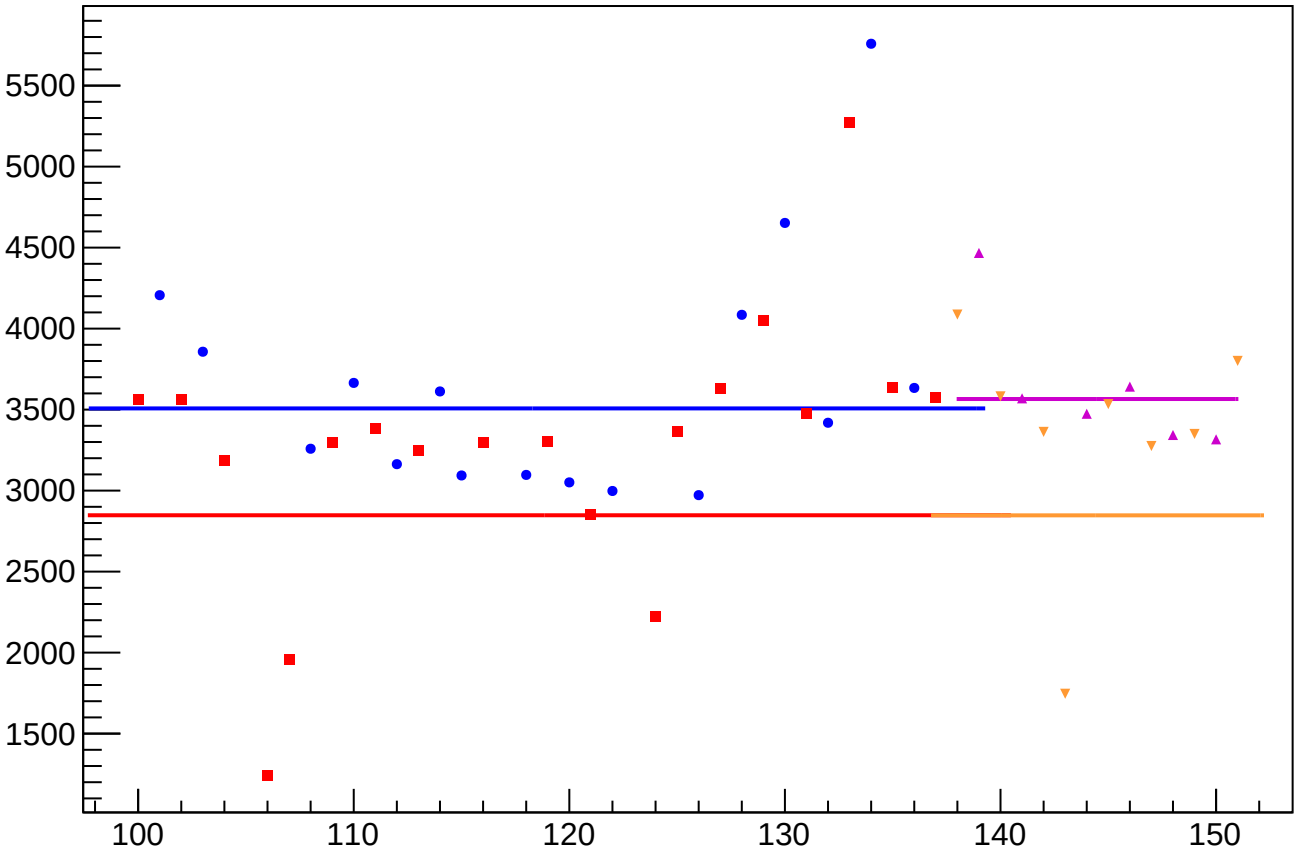
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 595.059+/-1563.936 χ^2/NDF:1.7/5

+ sign -518.368+/-892.021 χ^2/NDF: 23.4/23

All: -139.574+/-635.558 χ^2/NDF: 43.9/48

- sign 250.984+/-905.765 χ^2/NDF: 20.1/24



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 2847.311+/-0.853 χ^2/NDF:1105175.2/7

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

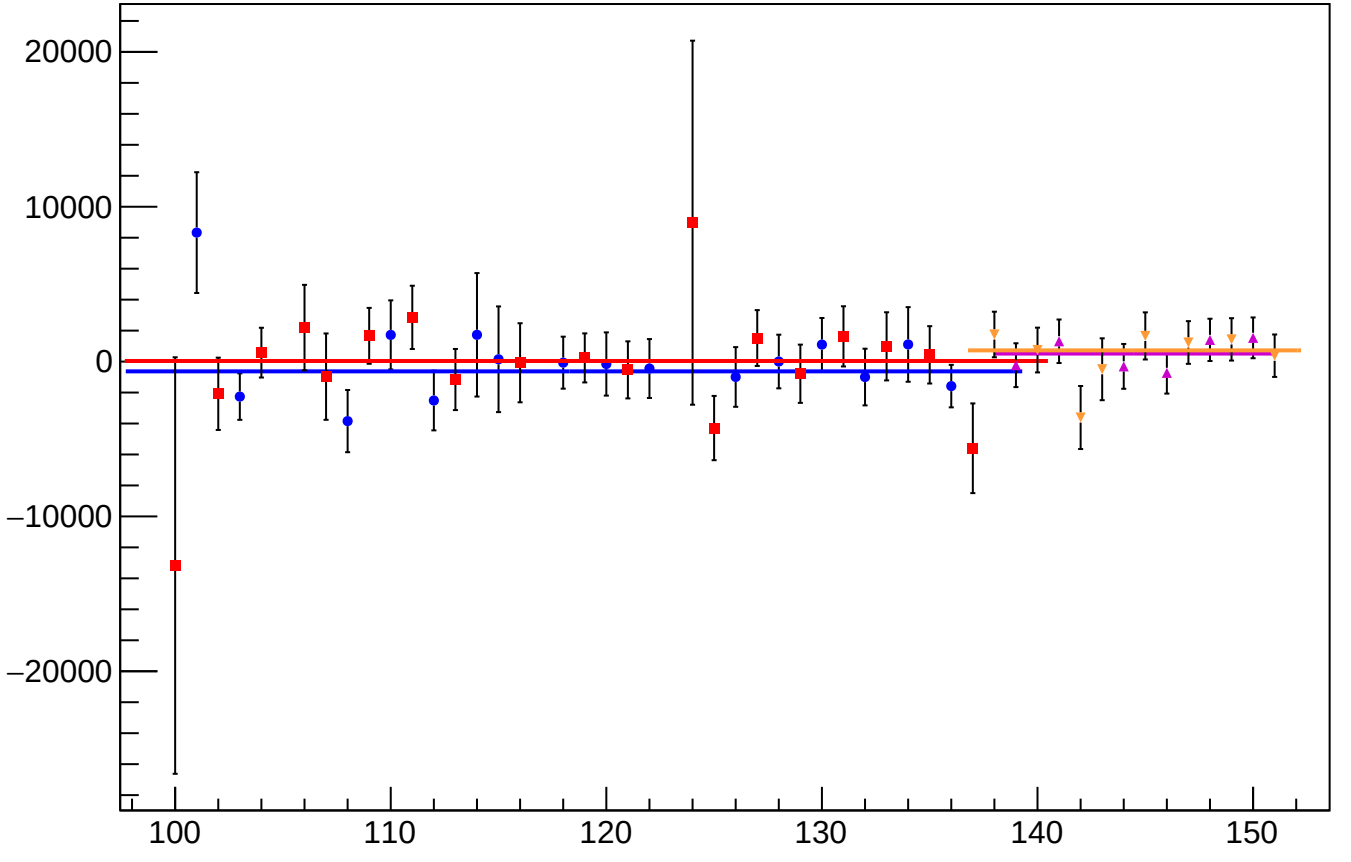
Left In: 3565.427+/-1.106 χ^2/NDF:88295.7/5

+ sign 3146.356+/-0.631 χ^2/NDF: 1730531.0/23

All: 3117.886+/-0.449 χ^2/NDF: 3602168.8/48

- sign 3088.531+/-0.640 χ^2/NDF: 1867499.7/24

cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 723.805+/-537.862 χ^2/NDF:6.2/7

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

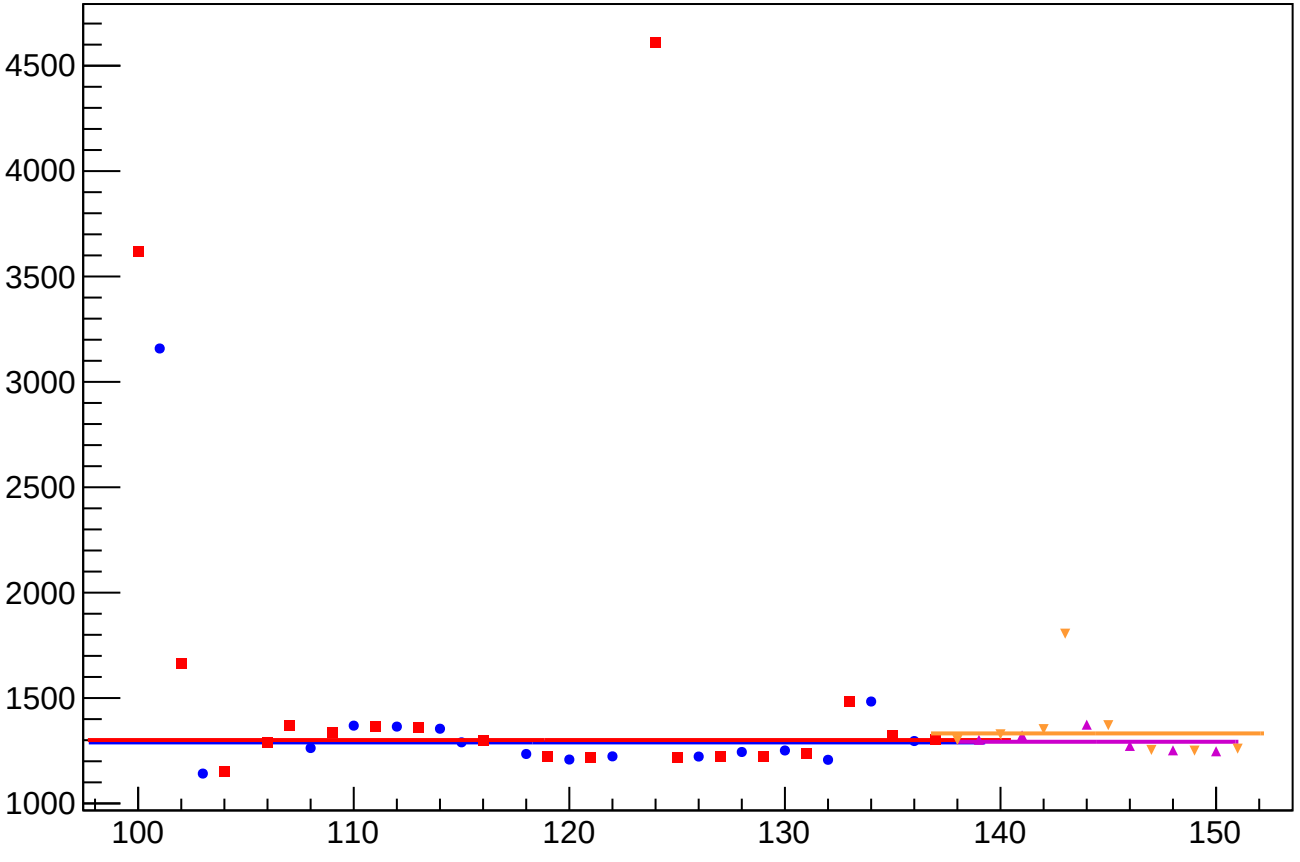
Left In: 517.618+/-563.232 χ^2/NDF:2.8/5

\+ sign -18.615+/-361.682 χ^2/NDF: 23.6/23

All: 110.142+/-258.247 χ^2/NDF: 43.4/48

\- sign 244.056+/-368.856 χ^2/NDF: 19.5/24

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1332.187+/-0.380 χ^2/NDF:133752.8/7

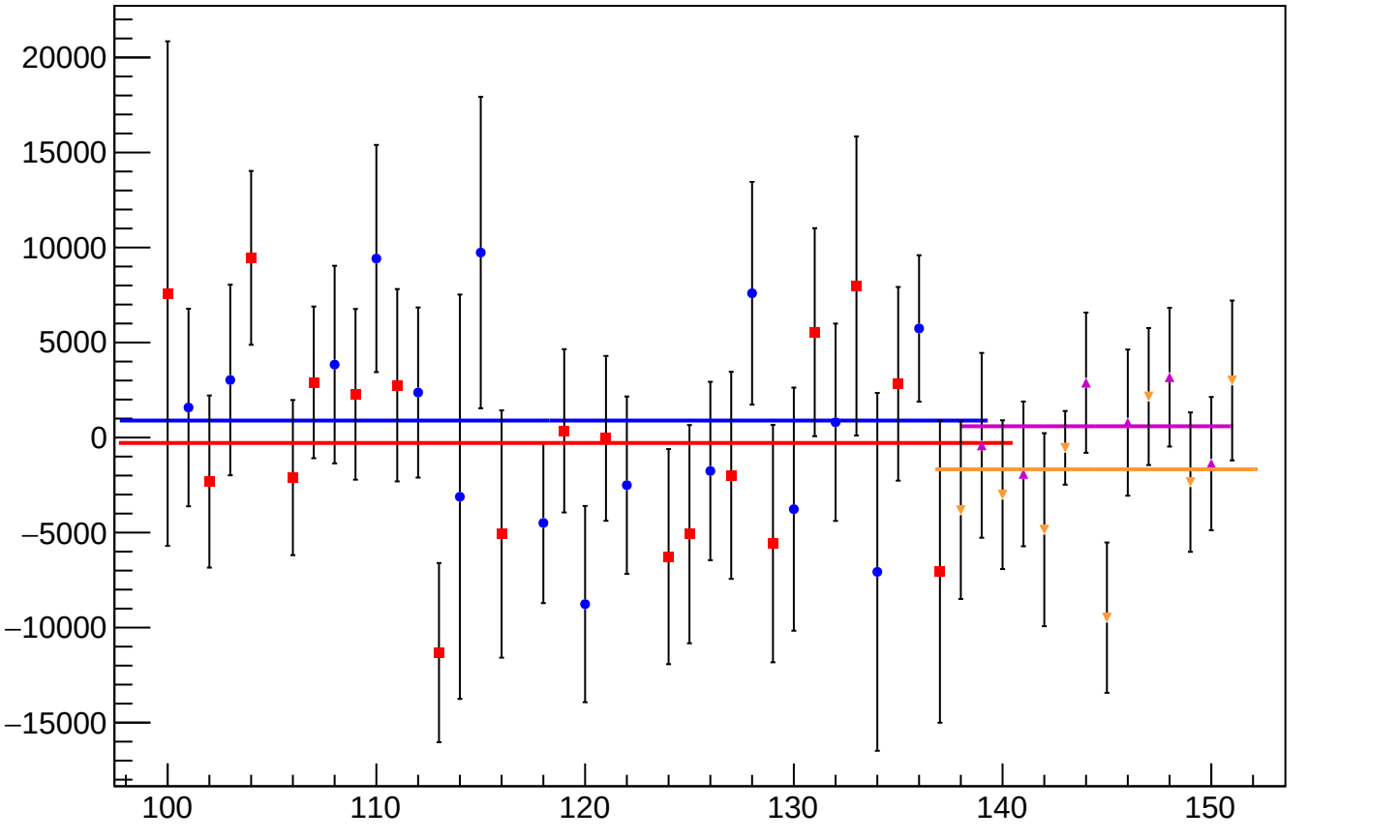
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1292.555+/-0.398 χ^2/NDF:11829.7/5

+ sign 1308.784+/-0.256 χ^2/NDF: 655341.4/23

All: 1303.102+/-0.183 χ^2/NDF: 994322.9/48

- sign 1297.205+/-0.261 χ^2/NDF: 337975.7/24



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1668.503+/-1206.136 χ^2/NDF:7.4/7

Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

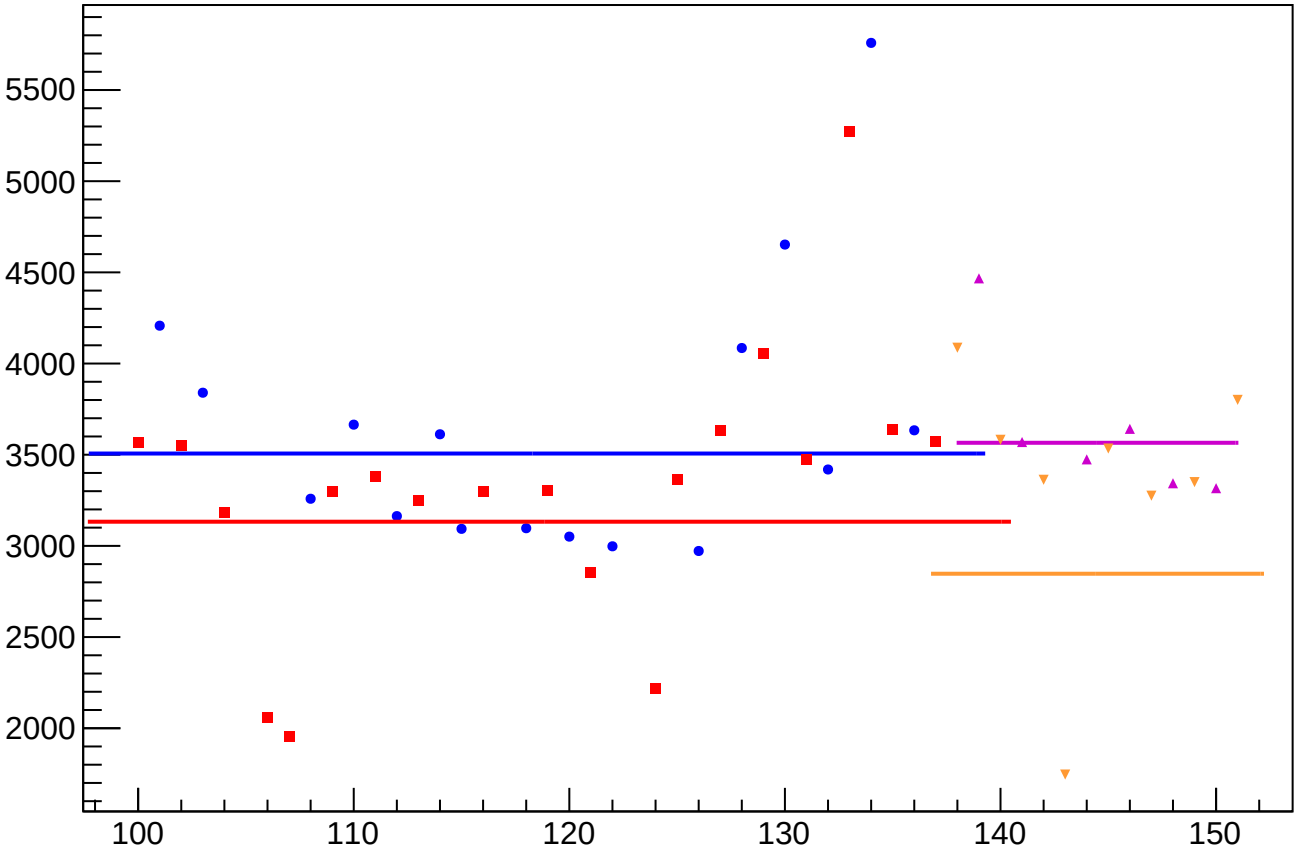
Left In: 595.101+/-1563.934 χ^2/NDF:1.7/5

+ sign -506.240+/-891.881 χ^2/NDF: 23.5/23

All: -250.367+/-648.158 χ^2/NDF: 44.2/48

- sign 36.023+/-943.569 χ^2/NDF: 20.5/24

asym_at1_avg_at2_avg_dd_cor_correction_rms vs Slug



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2847.301+/-0.853 χ^2/NDF:1105194.9/7

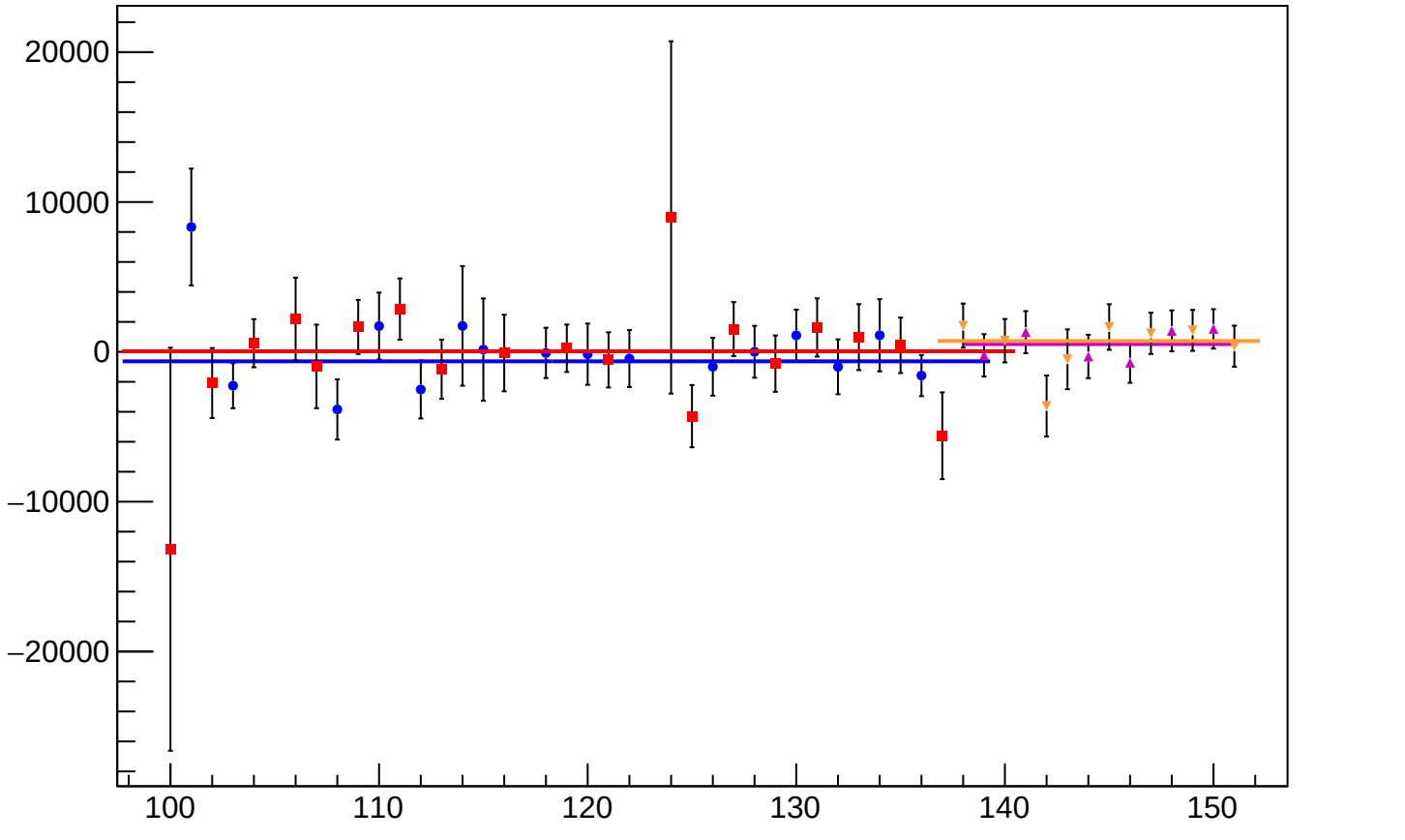
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3565.422+/-1.106 χ^2/NDF:88295.0/5

\+ sign 3146.049+/-0.631 χ^2/NDF: 1729169.7/23

All: 3214.041+/-0.458 χ^2/NDF: 2589138.3/48

\- sign 3290.142+/-0.667 χ^2/NDF: 835335.7/24



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 723.805+/-537.862 χ^2/NDF:6.2/7

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

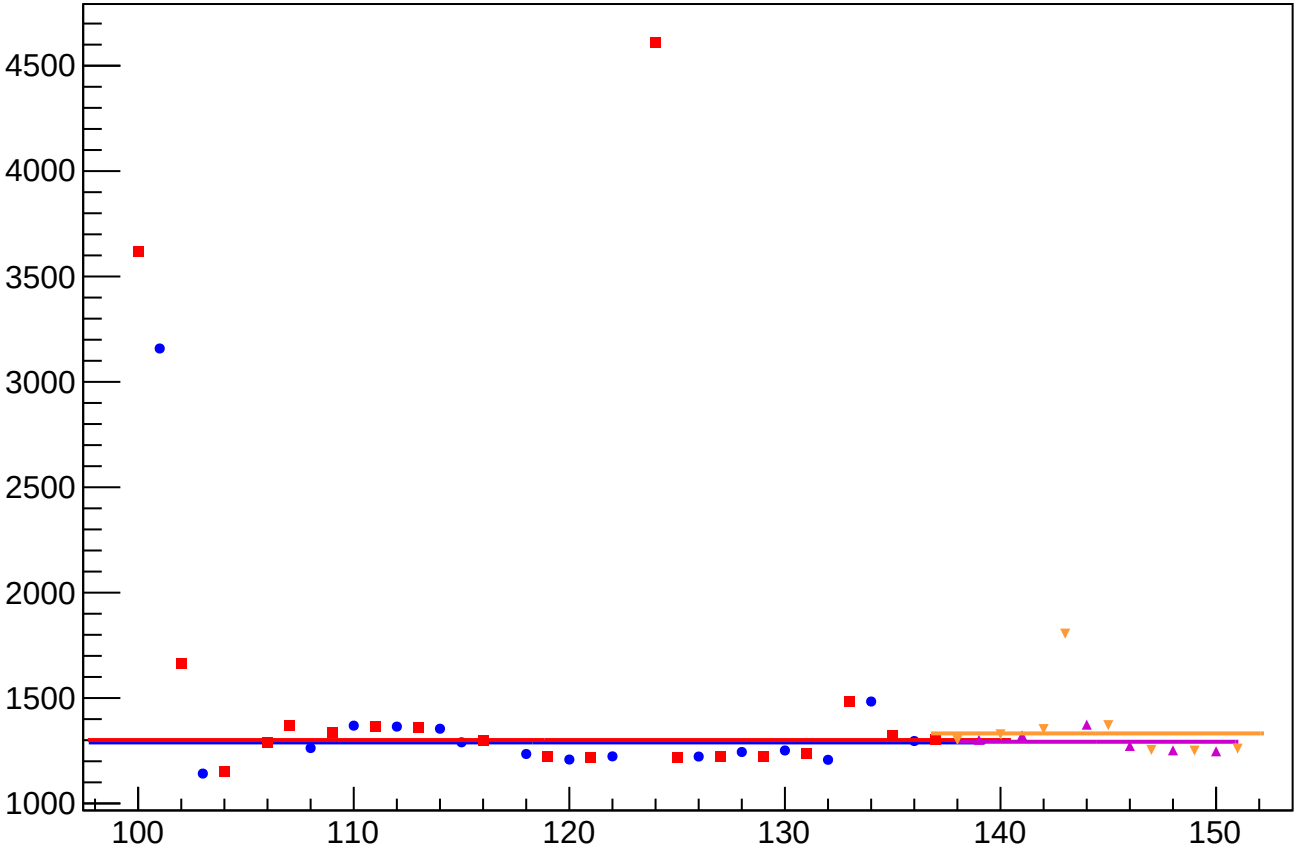
Left In: 517.618+/-563.232 χ^2/NDF:2.8/5

\+ sign -18.615+/-361.682 χ^2/NDF: 23.6/23

All: 110.142+/-258.247 χ^2/NDF: 43.4/48

\- sign 244.056+/-368.856 χ^2/NDF: 19.5/24

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: 1332.187+/-0.380 χ^2/NDF:133752.8/7

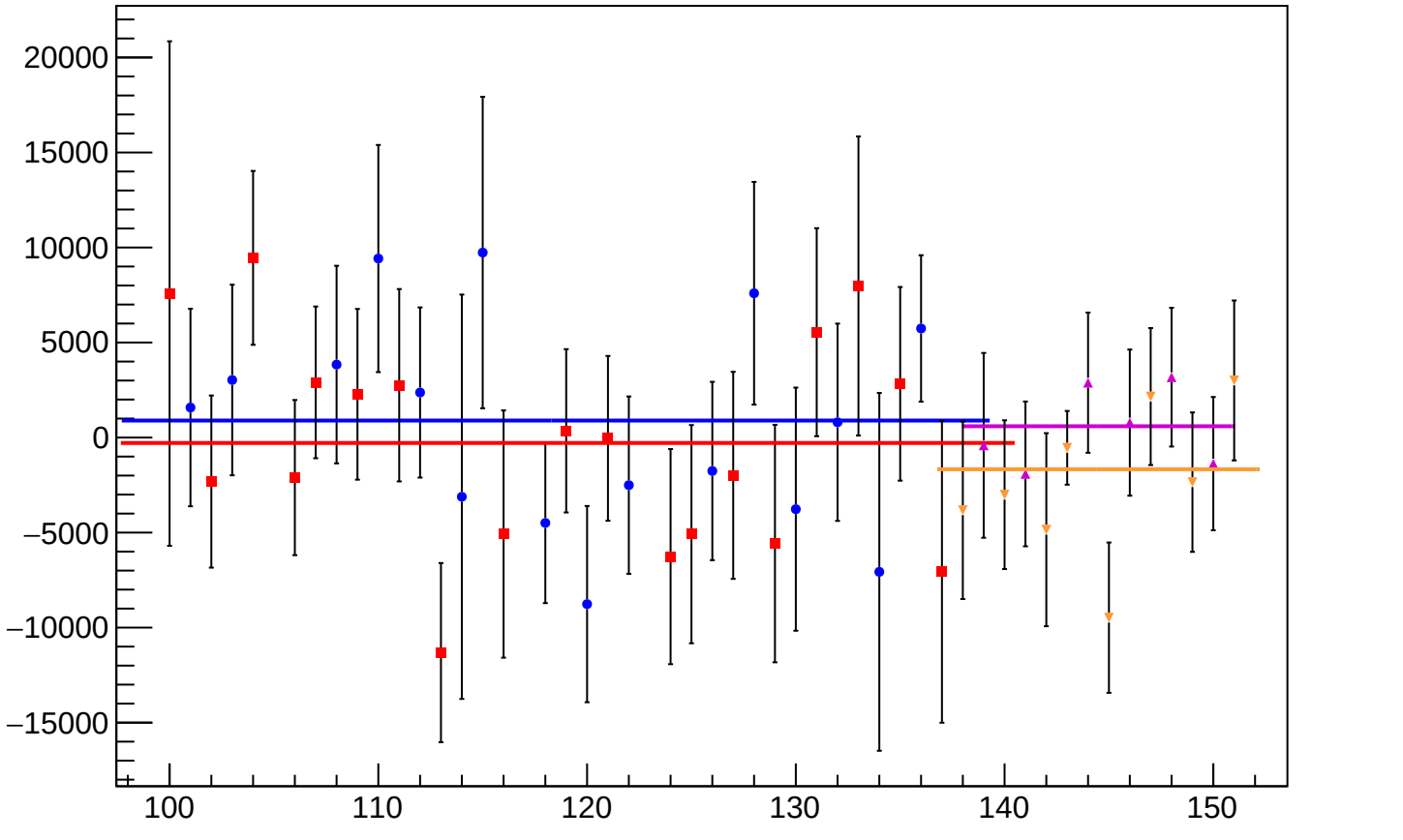
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1292.555+/-0.398 χ^2/NDF:11829.7/5

+ sign 1308.784+/-0.256 χ^2/NDF: 655341.4/23

All: 1303.102+/-0.183 χ^2/NDF: 994322.9/48

- sign 1297.205+/-0.261 χ^2/NDF: 337975.7/24



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1668.503+/-1206.136 χ^2/NDF:7.4/7

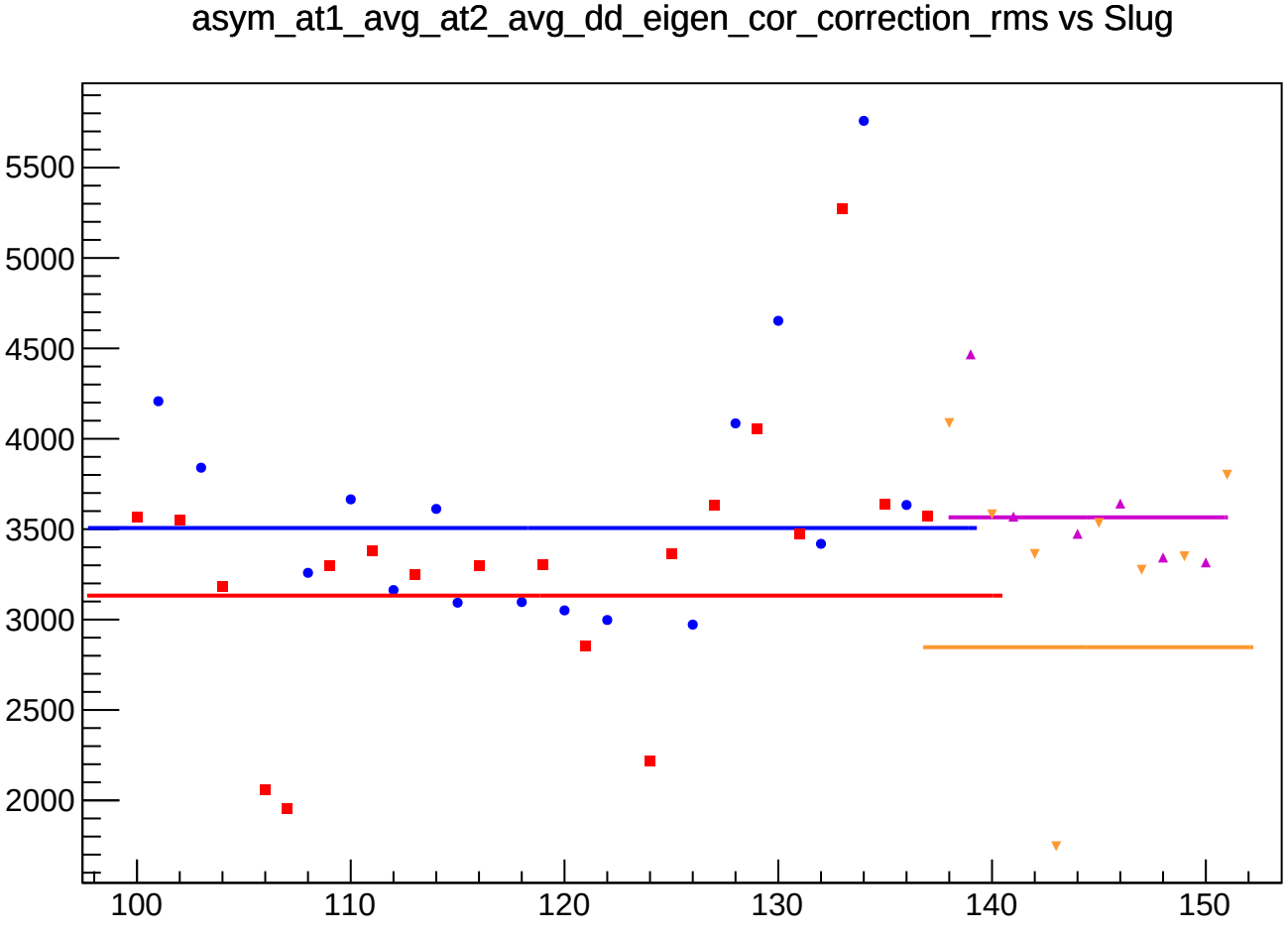
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 595.101+/-1563.934 χ^2/NDF:1.7/5

+ sign -506.240+/-891.881 χ^2/NDF: 23.5/23

All: -250.367+/-648.158 χ^2/NDF: 44.2/48

- sign 36.023+/-943.569 χ^2/NDF: 20.5/24



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2847.301+/-0.853 χ^2/NDF:1105194.9/7

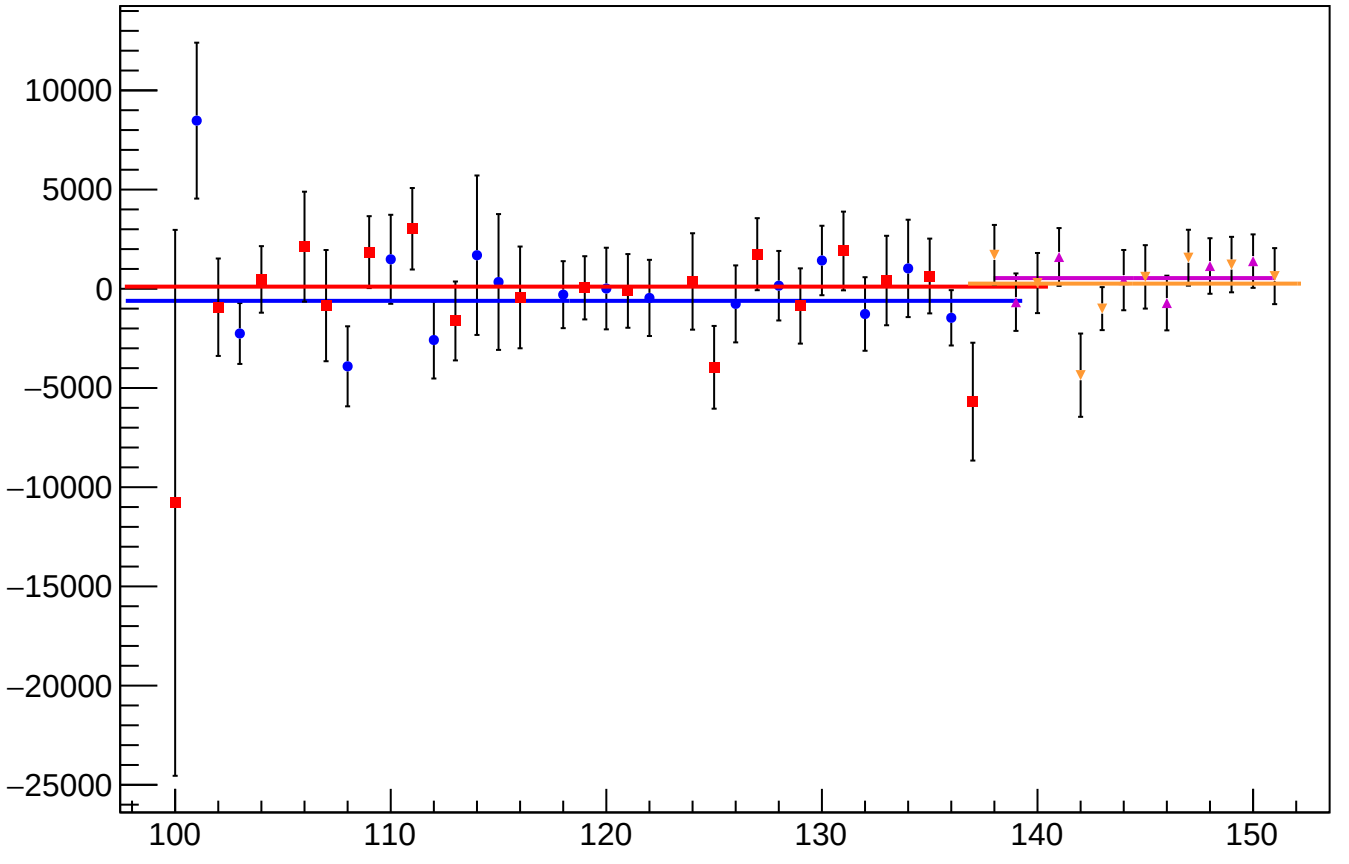
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3565.422+/-1.106 χ^2/NDF:88295.0/5

+ sign 3146.049+/-0.631 χ^2/NDF: 1729169.7/23

All: 3214.041+/-0.458 χ^2/NDF: 2589138.3/48

- sign 3290.142+/-0.667 χ^2/NDF: 835335.7/24



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 260.523+/-508.892 χ^2/NDF:8.6/7

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

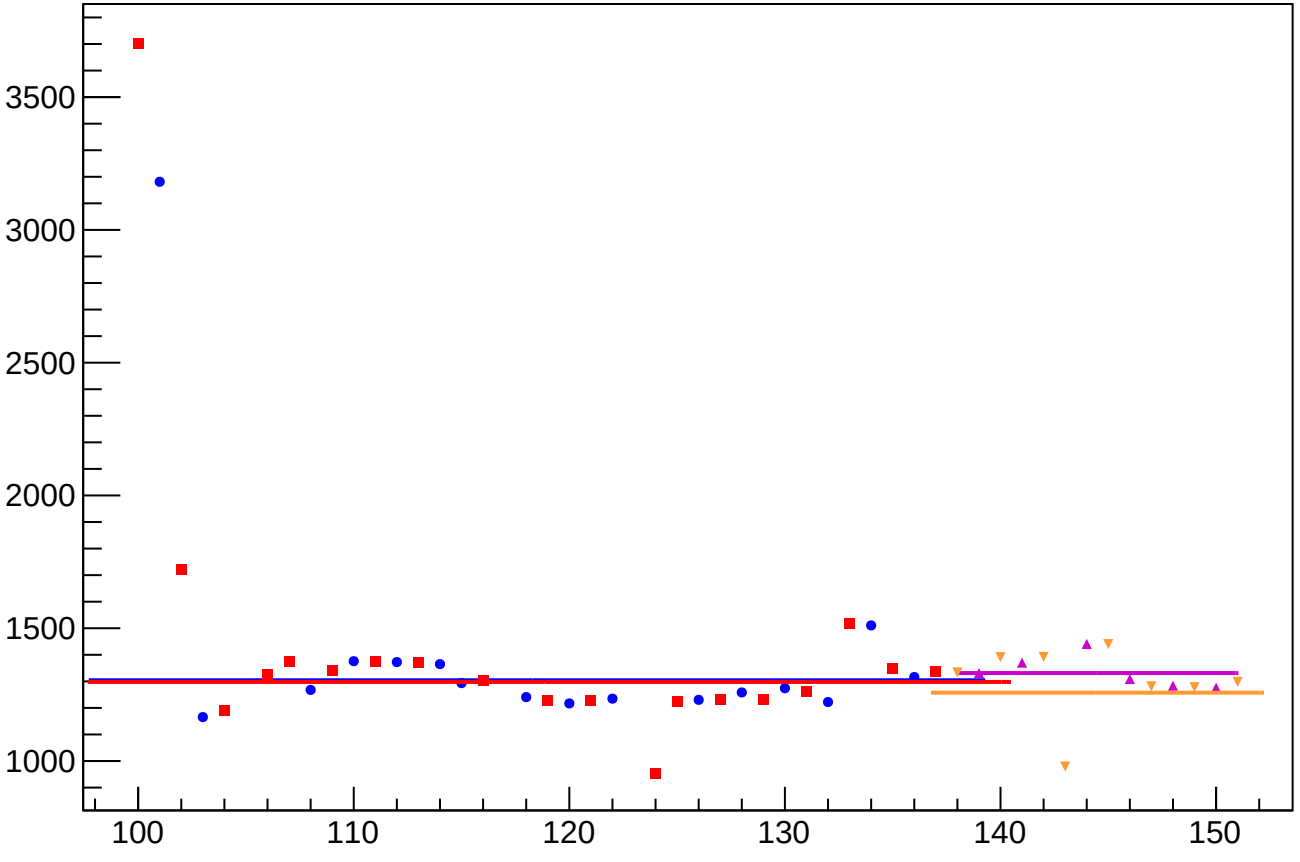
Left In: 539.145+/-580.335 χ^2/NDF:2.7/5

+ sign -186.385+/-354.526 χ^2/NDF: 24.2/23

All: 38.150+/-256.774 χ^2/NDF: 42.9/48

- sign 285.895+/-372.399 χ^2/NDF: 17.9/24

dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1257.332+/-0.360 χ^2/NDF:189333.3/7

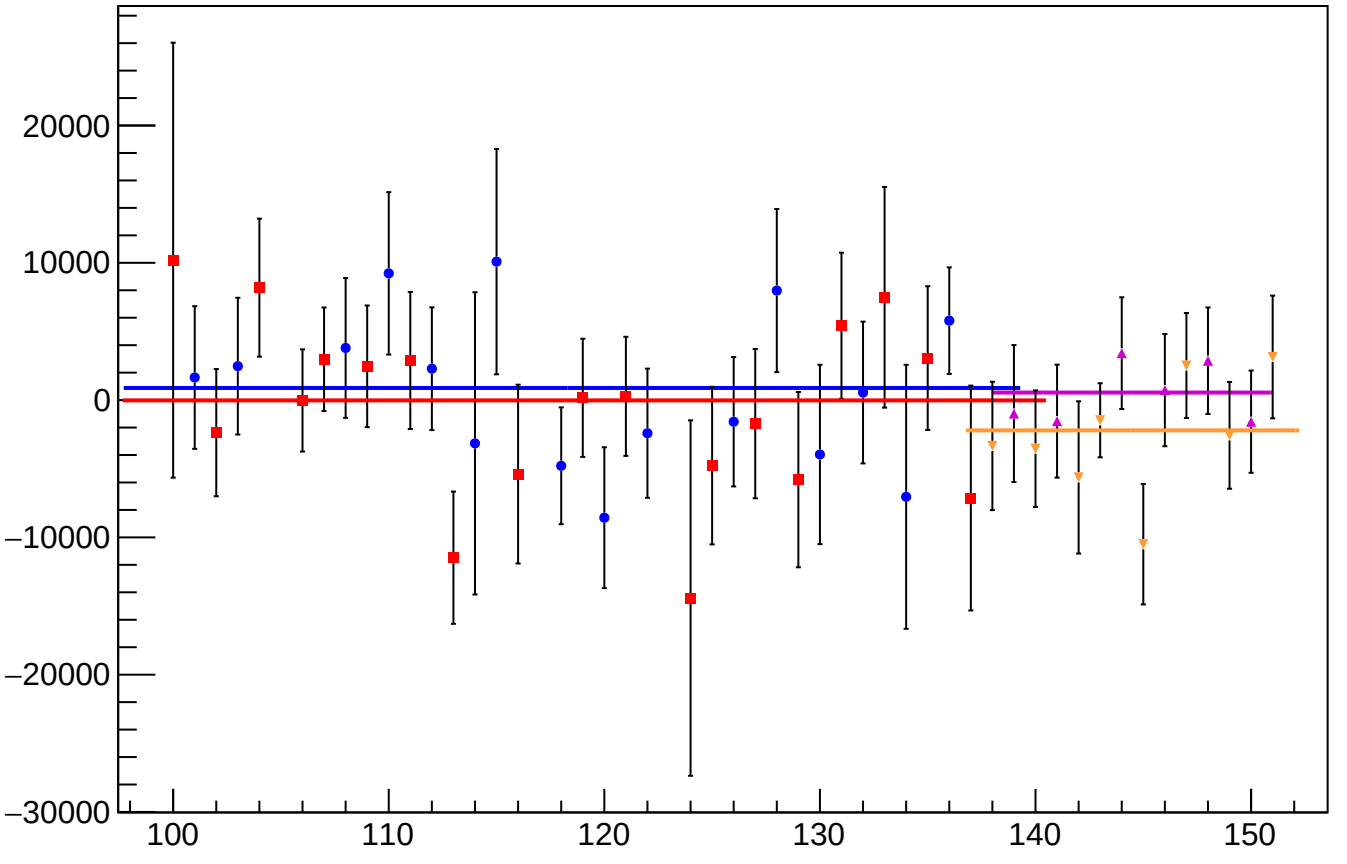
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1331.283+/-0.410 χ^2/NDF:18010.4/5

+ sign 1281.403+/-0.251 χ^2/NDF: 708617.1/23

All: 1295.753+/-0.182 χ^2/NDF: 950533.0/48

- sign 1311.573+/-0.263 χ^2/NDF: 235026.8/24



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -2205.955+/-1403.445 χ^2/NDF:7.2/7

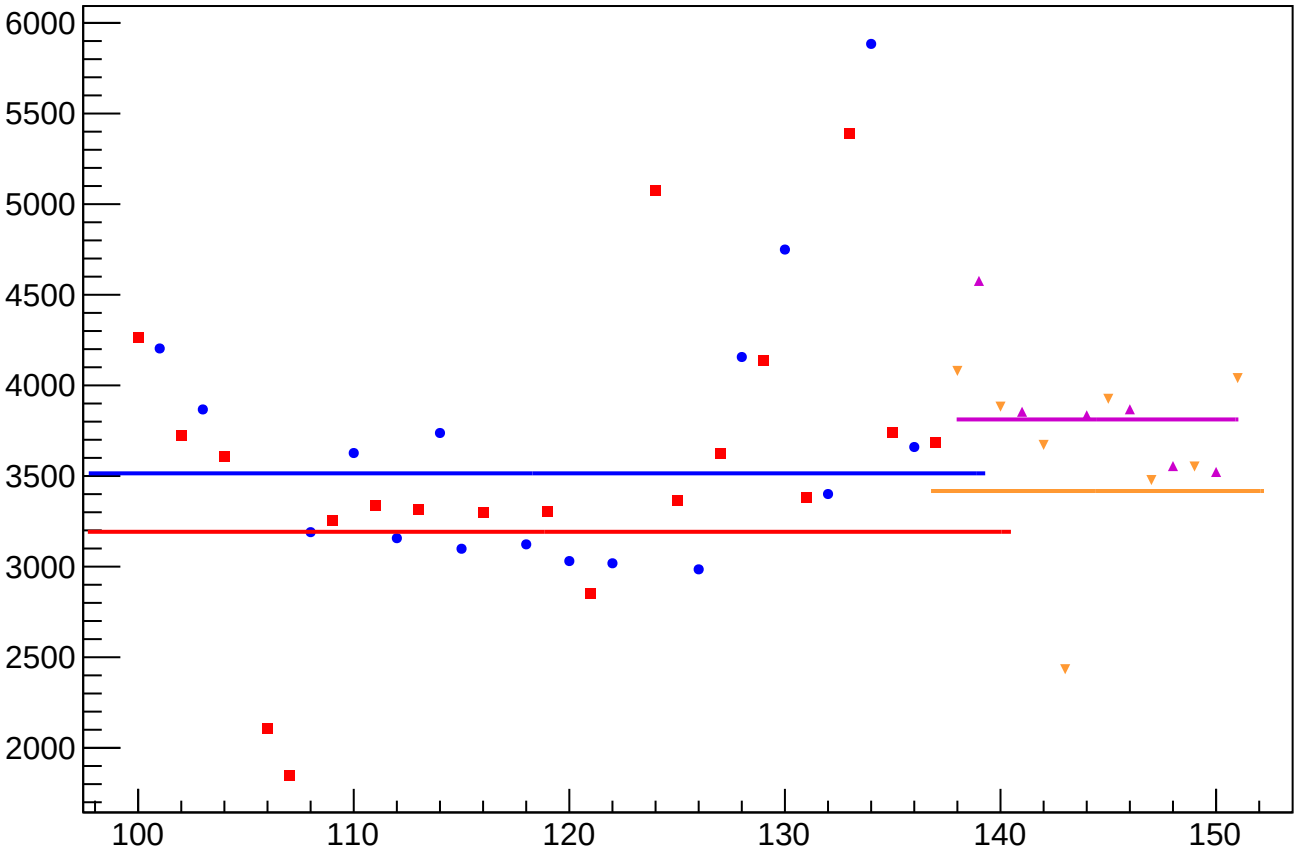
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 550.568+/-1670.988 χ^2/NDF:1.5/5

+ sign -574.967+/-964.377 χ^2/NDF: 23.8/23

All: -204.628+/-685.541 χ^2/NDF: 42.6/48

- sign 173.689+/-974.709 χ^2/NDF: 18.4/24



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3417.290+/-0.992 χ^2/NDF:402928.5/7

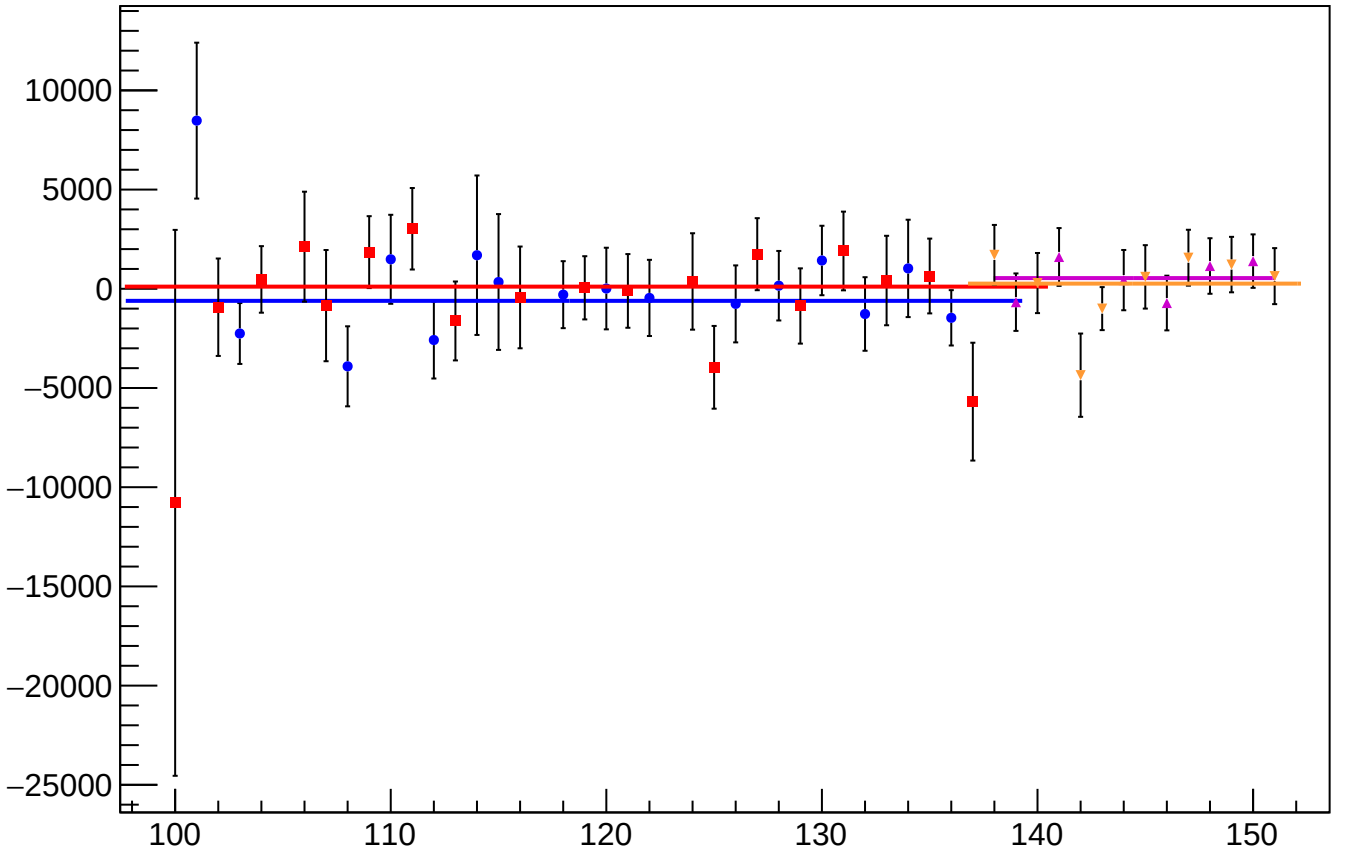
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 3812.116+/-1.182 χ^2/NDF:68525.5/5

+ sign 3468.730+/-0.682 χ^2/NDF: 783097.4/23

All: 3436.280+/-0.485 χ^2/NDF: 1810298.4/48

- sign 3403.131+/-0.689 χ^2/NDF: 1022623.3/24



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 260.521+/-508.892 χ^2/NDF:8.6/7

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

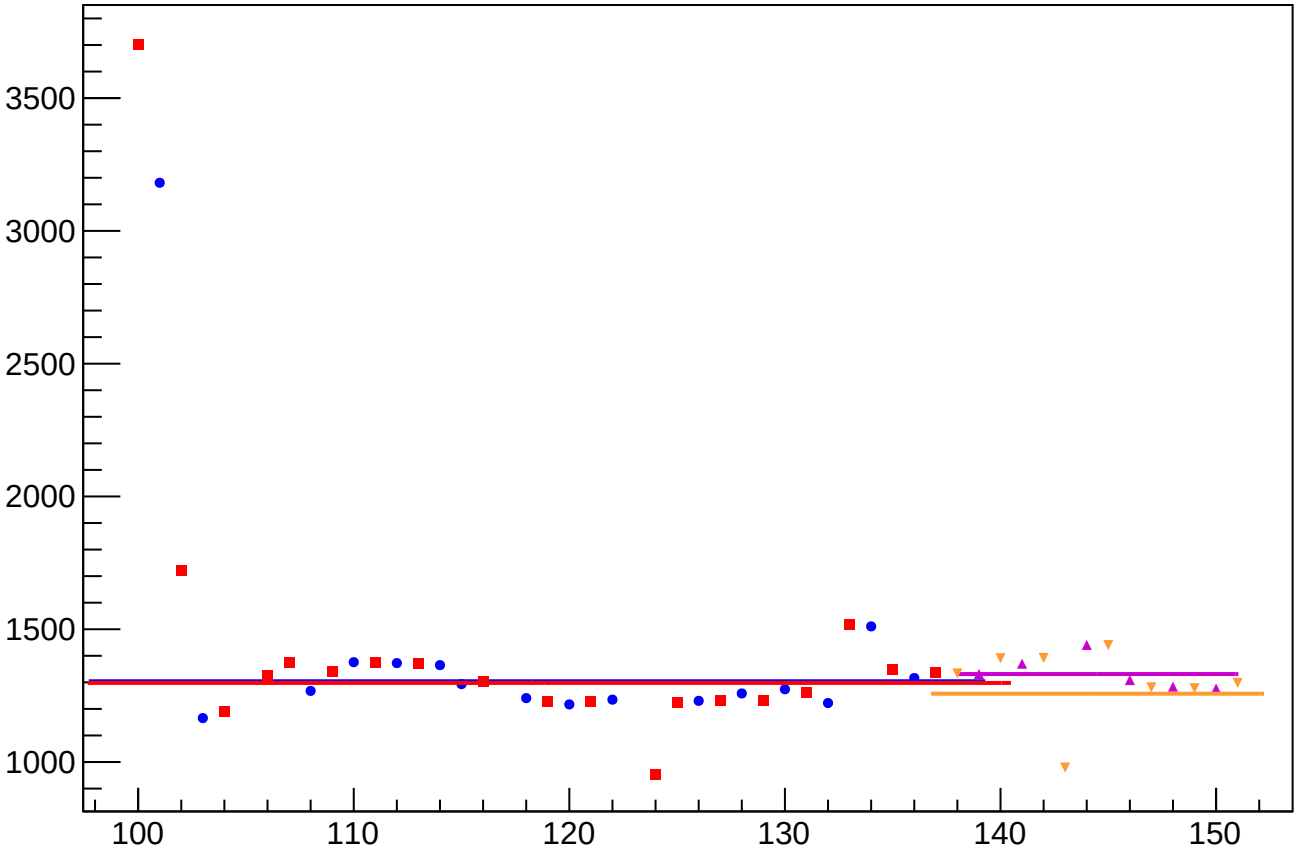
Left In: 539.145+/-580.336 χ^2/NDF:2.7/5

+ sign -186.388+/-354.526 χ^2/NDF: 24.2/23

All: 38.150+/-256.774 χ^2/NDF: 42.9/48

- sign 285.898+/-372.399 χ^2/NDF: 17.9/24

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: 1257.333+/-0.360 χ^2/NDF:189333.5/7

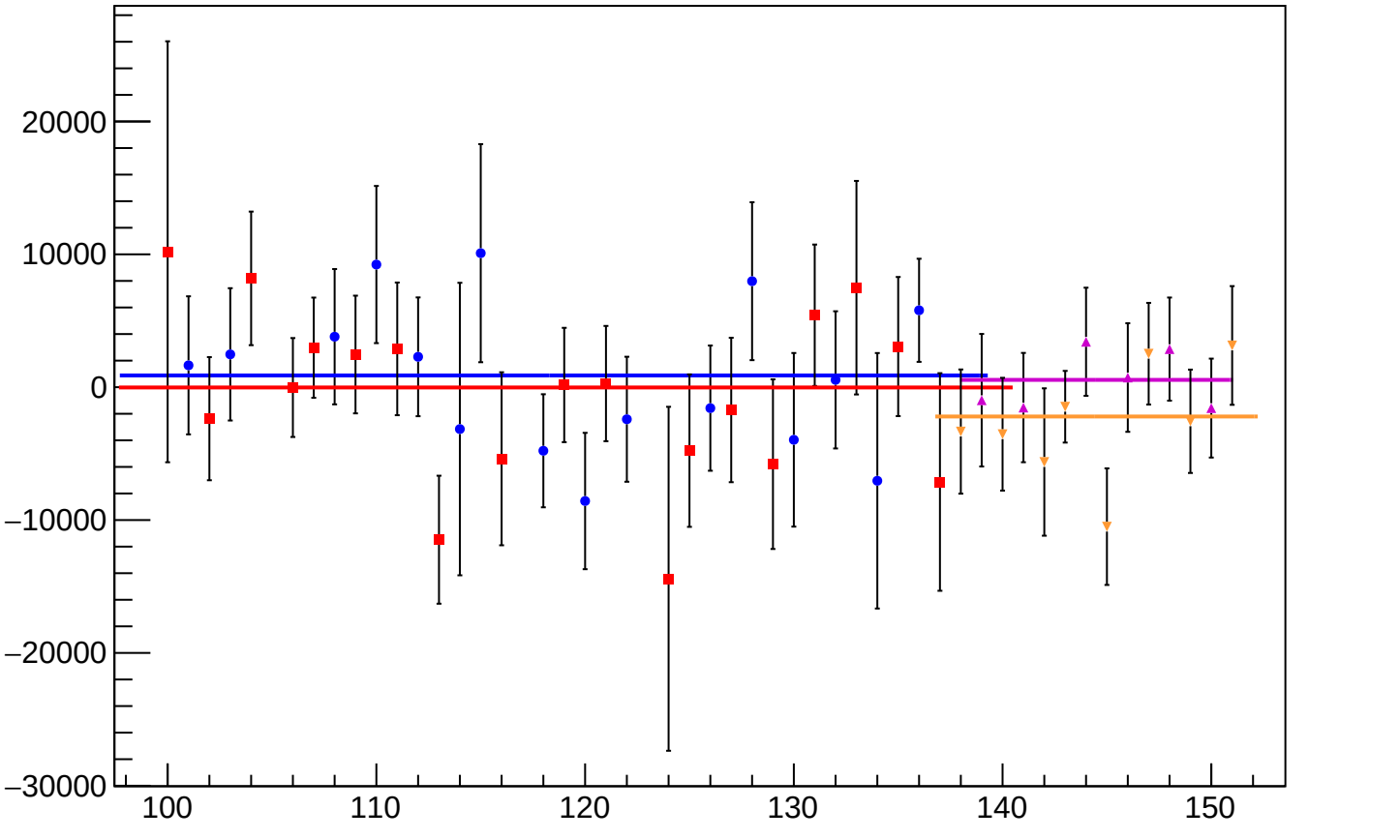
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1331.284+/-0.410 χ^2/NDF:18010.5/5

+ sign 1281.403+/-0.251 χ^2/NDF: 708617.1/23

All: 1295.754+/-0.182 χ^2/NDF: 950533.4/48

- sign 1311.573+/-0.263 χ^2/NDF: 235027.2/24



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -2205.954+/-1403.447 χ^2/NDF:7.2/7

Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

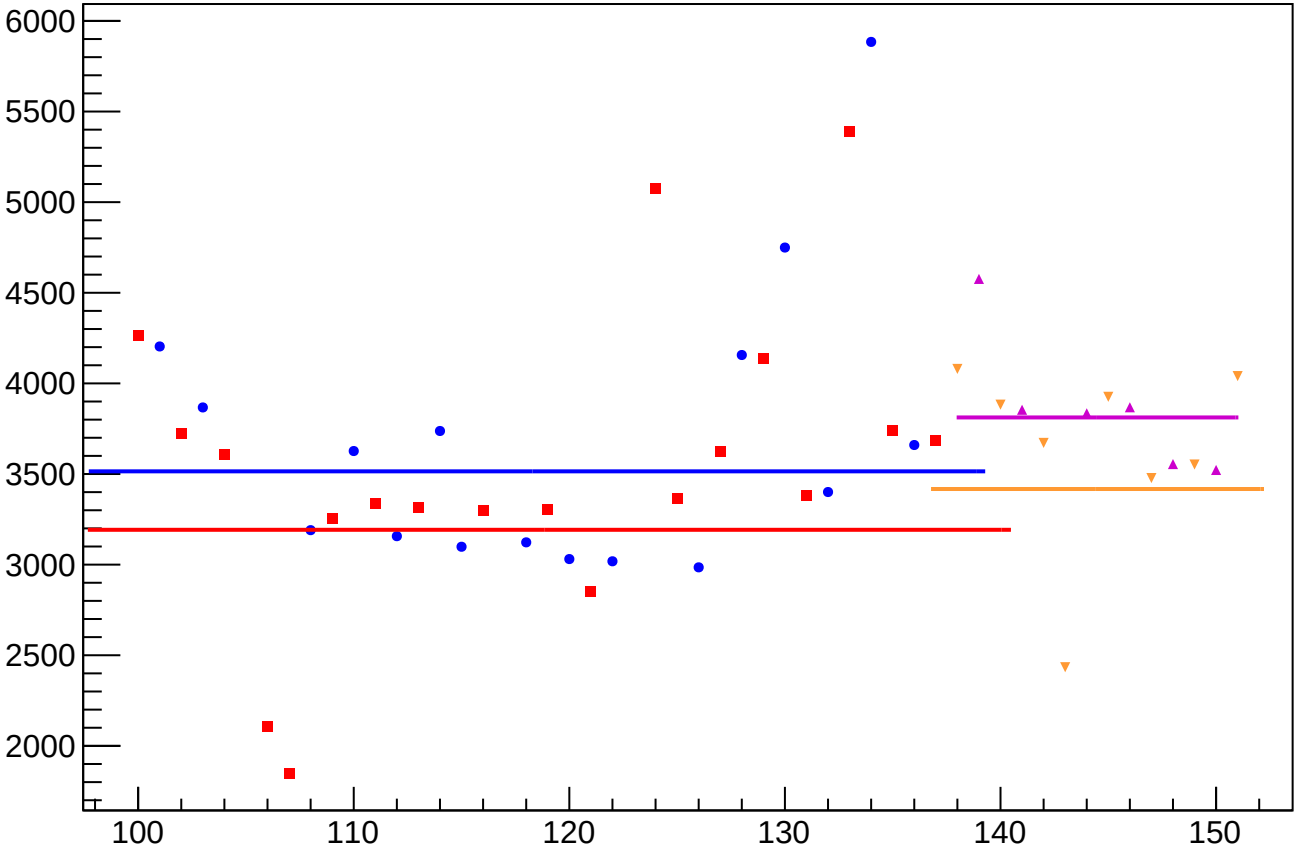
Left In: 550.566+/-1670.990 χ^2/NDF:1.5/5

\+ sign -574.966+/-964.376 χ^2/NDF: 23.8/23

All: -204.627+/-685.541 χ^2/NDF: 42.6/48

\- sign 173.690+/-974.708 χ^2/NDF: 18.4/24

asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs Slug



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3417.295+/-0.992 χ^2/NDF:402928.8/7

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

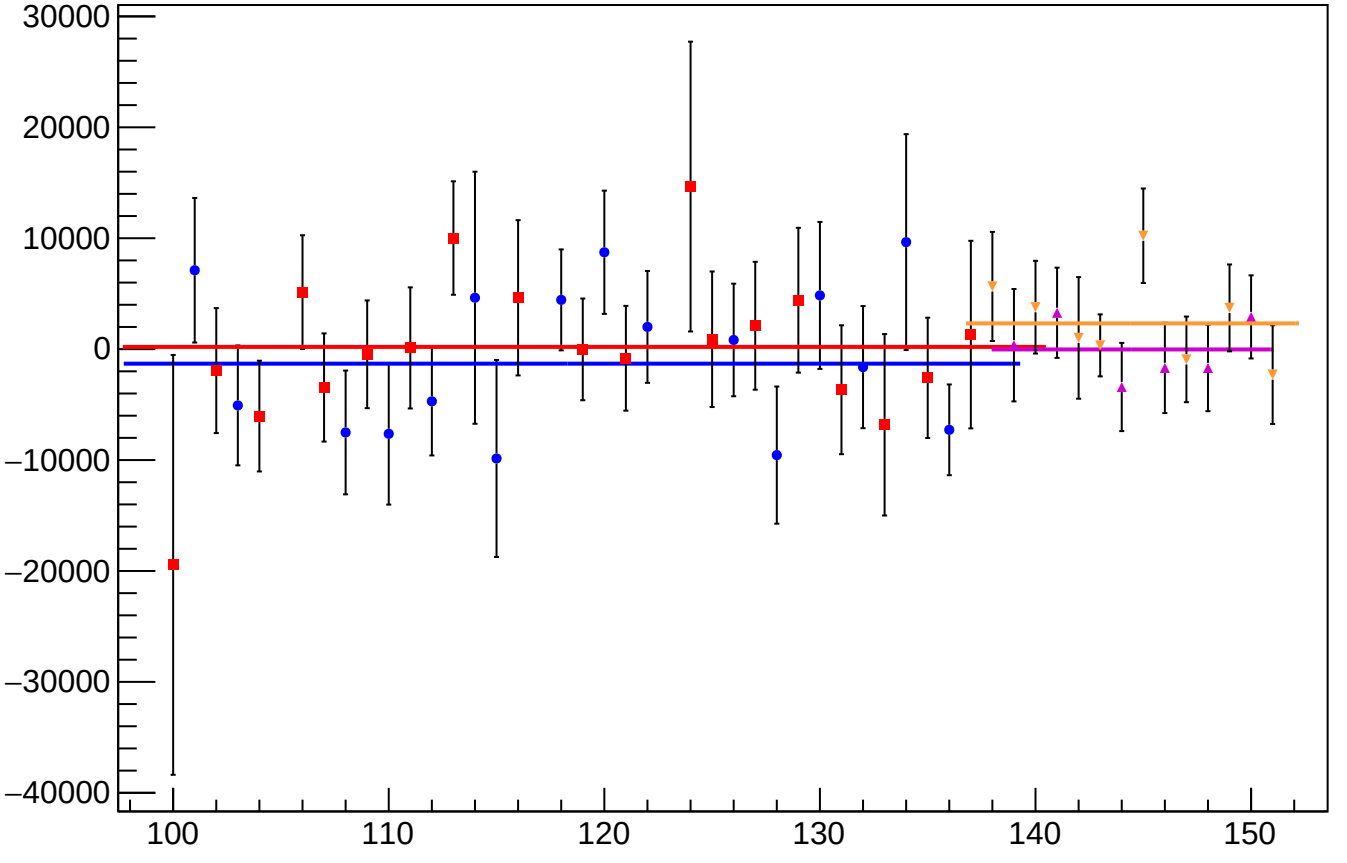
Left In: 3812.121+/-1.182 χ^2/NDF:68526.6/5

+ sign 3468.727+/-0.682 χ^2/NDF: 783100.4/23

All: 3436.277+/-0.485 χ^2/NDF: 1810312.5/48

- sign 3403.127+/-0.689 χ^2/NDF: 1022634.1/24

asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 2321.366+/-1417.221 χ^2/NDF:6.5/7

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

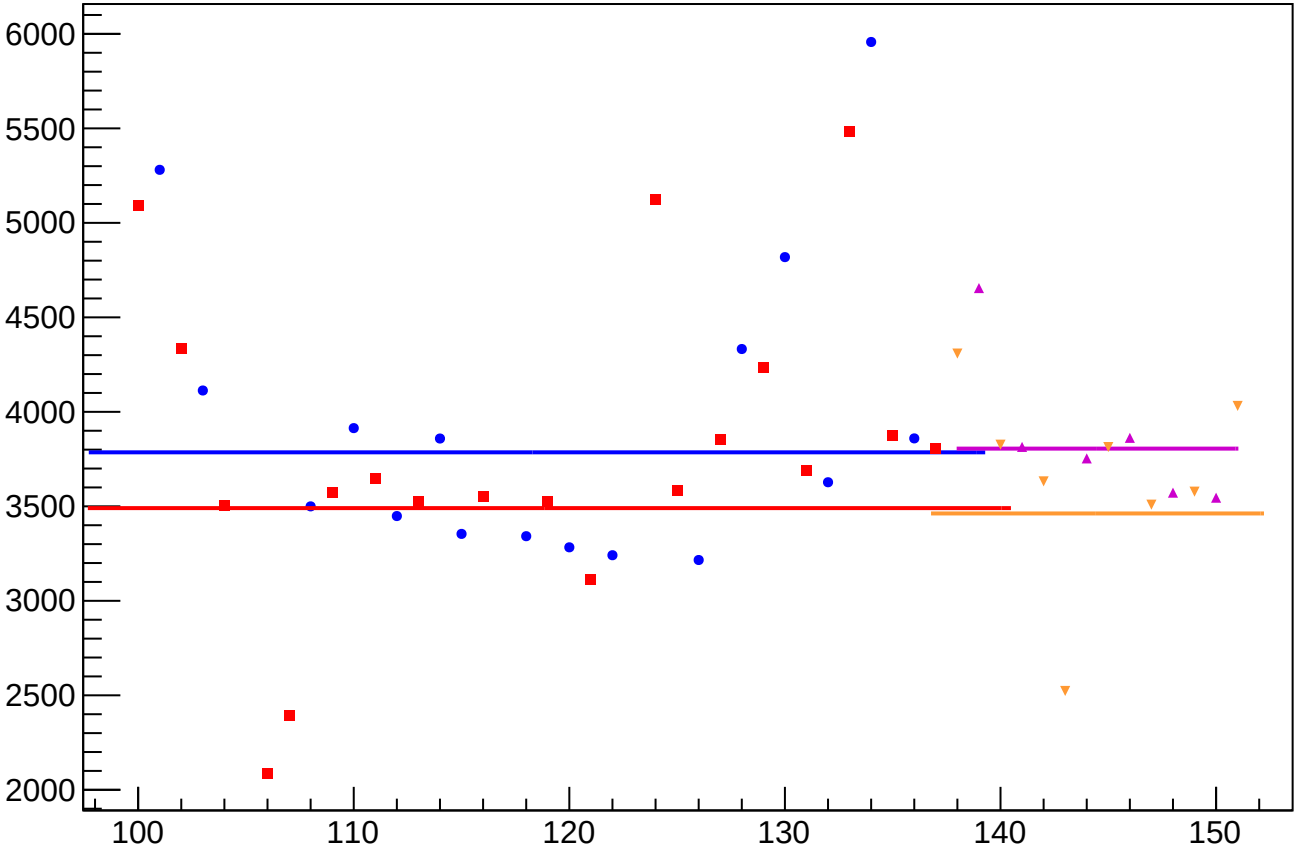
Left In: -27.820+/-1666.900 χ^2/NDF:2.4/5

+ sign 524.364+/-1007.180 χ^2/NDF: 27.3/23

All: 325.220+/-724.353 χ^2/NDF: 41.4/48

- sign 111.858+/-1042.513 χ^2/NDF: 14.0/24

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3462.341+/-1.002 χ^2/NDF:350486.3/7

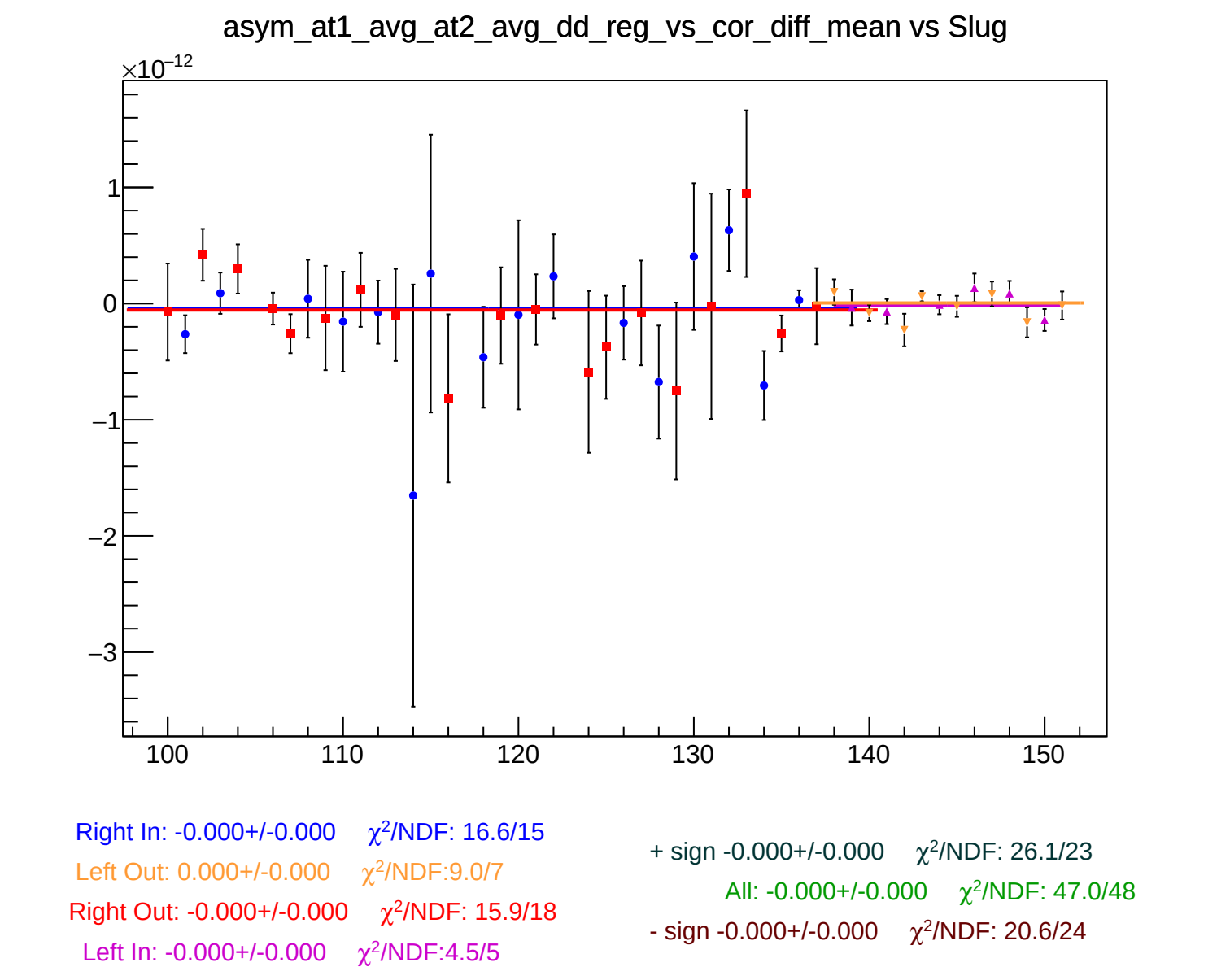
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

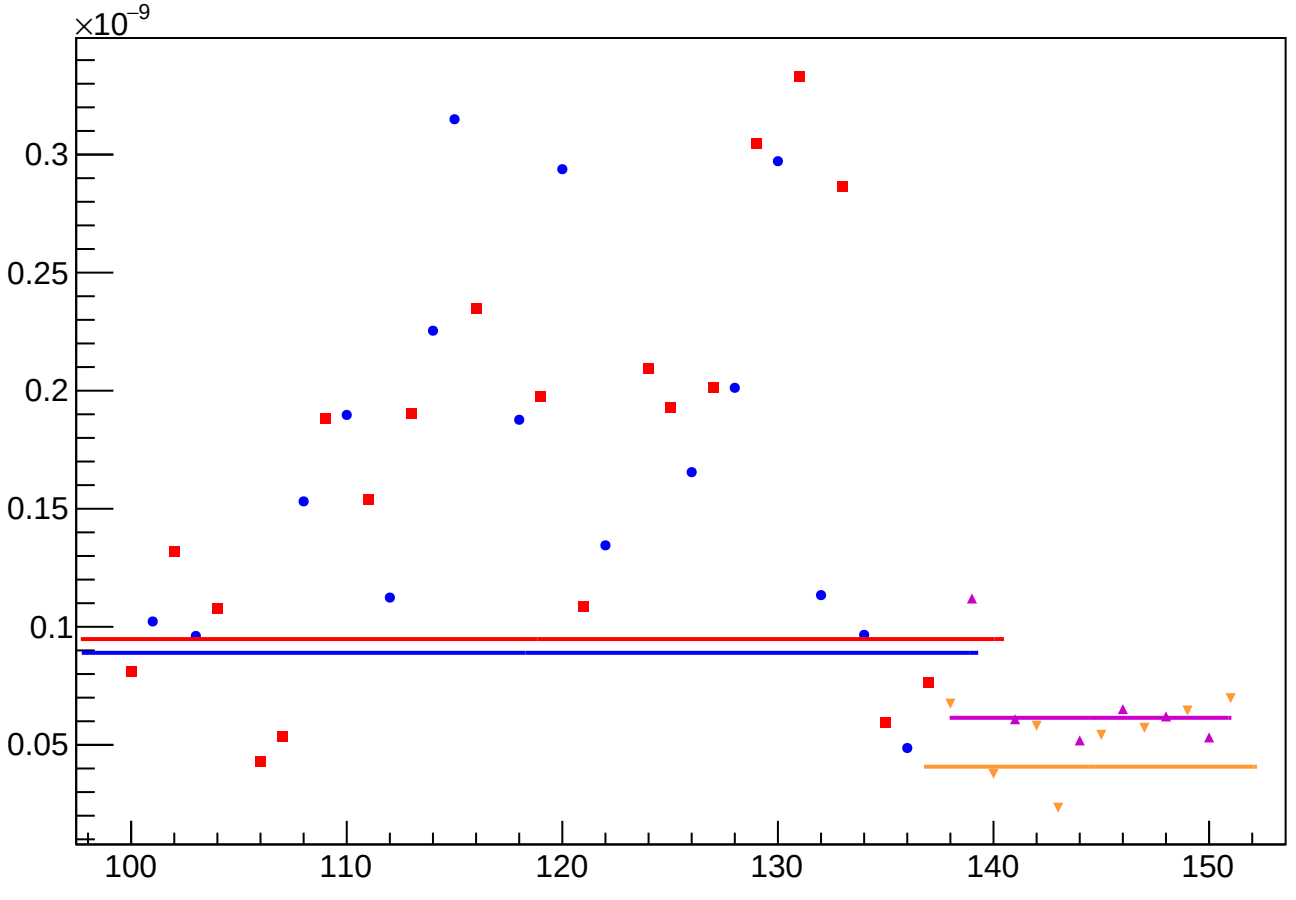
Left In: 3805.447+/-1.179 χ^2/NDF:73749.7/5

+ sign 3622.424+/-0.712 χ^2/NDF: 785035.5/23

All: 3617.206+/-0.510 χ^2/NDF: 1489514.8/48

- sign 3611.709+/-0.731 χ^2/NDF: 704369.1/24


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
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: 0.000+/-0.000 χ²/NDF:9.0/7
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: -0.000+/-0.000 χ²/NDF:4.5/5
+ sign -0.000+/-0.000 χ²/NDF: 26.1/23
All: -0.000+/-0.000 χ²/NDF: 47.0/48
- sign -0.000+/-0.000 χ²/NDF: 20.6/24



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:740129.3/7

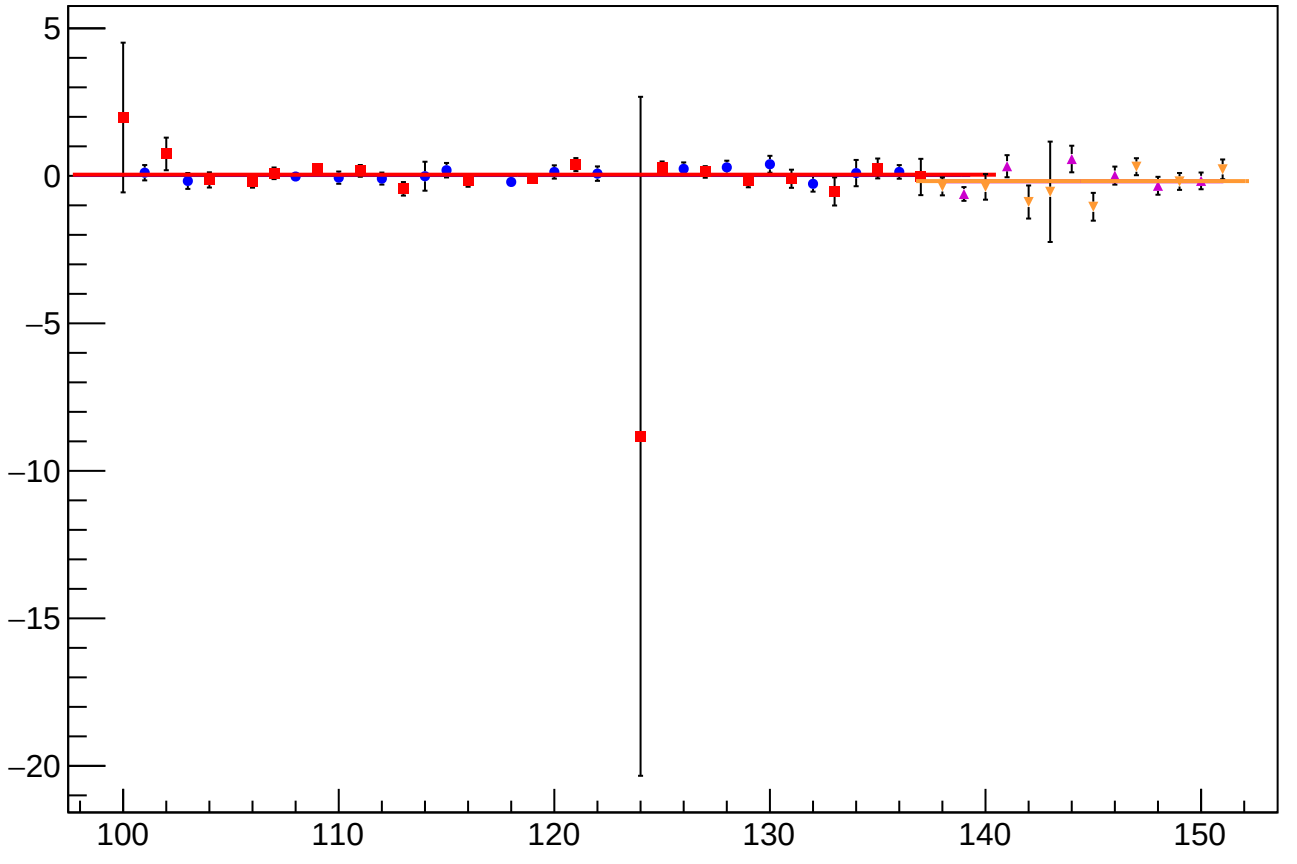
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:257986.9/5

+ sign 0.000+/-0.000 χ^2/NDF: 3277101.2/23

All: 0.000+/-0.000 χ^2/NDF: 6126519.3/48

- sign 0.000+/-0.000 χ^2/NDF: 2367018.6/24



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.178+/-0.132 χ^2/NDF:9.9/7

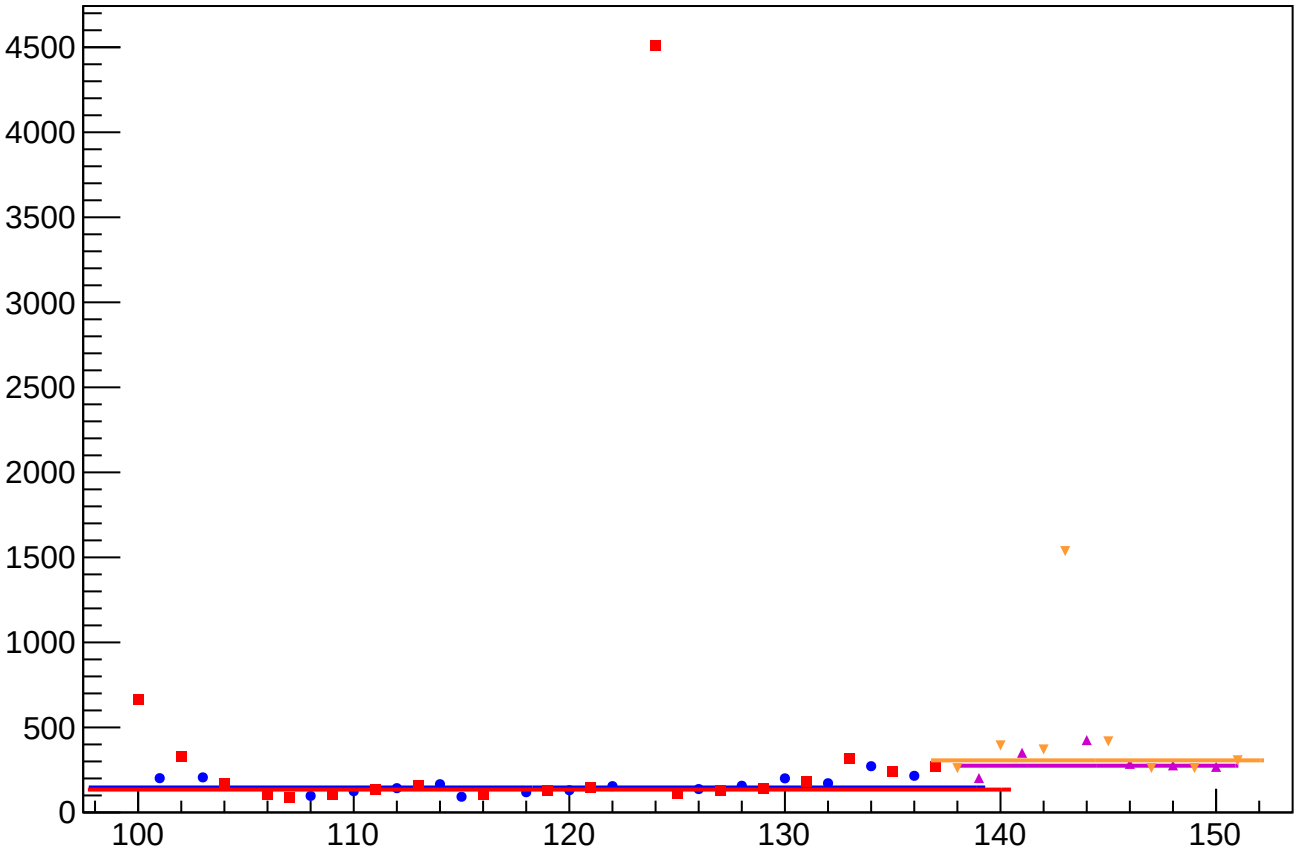
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.184+/-0.125 χ^2/NDF:8.7/5

+ sign -0.005+/-0.053 χ^2/NDF: 21.4/23

All: -0.001+/-0.036 χ^2/NDF: 52.8/48

- sign 0.003+/-0.050 χ^2/NDF: 31.4/24



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 306.407+/-0.093 χ^2/NDF:1411618.5/7

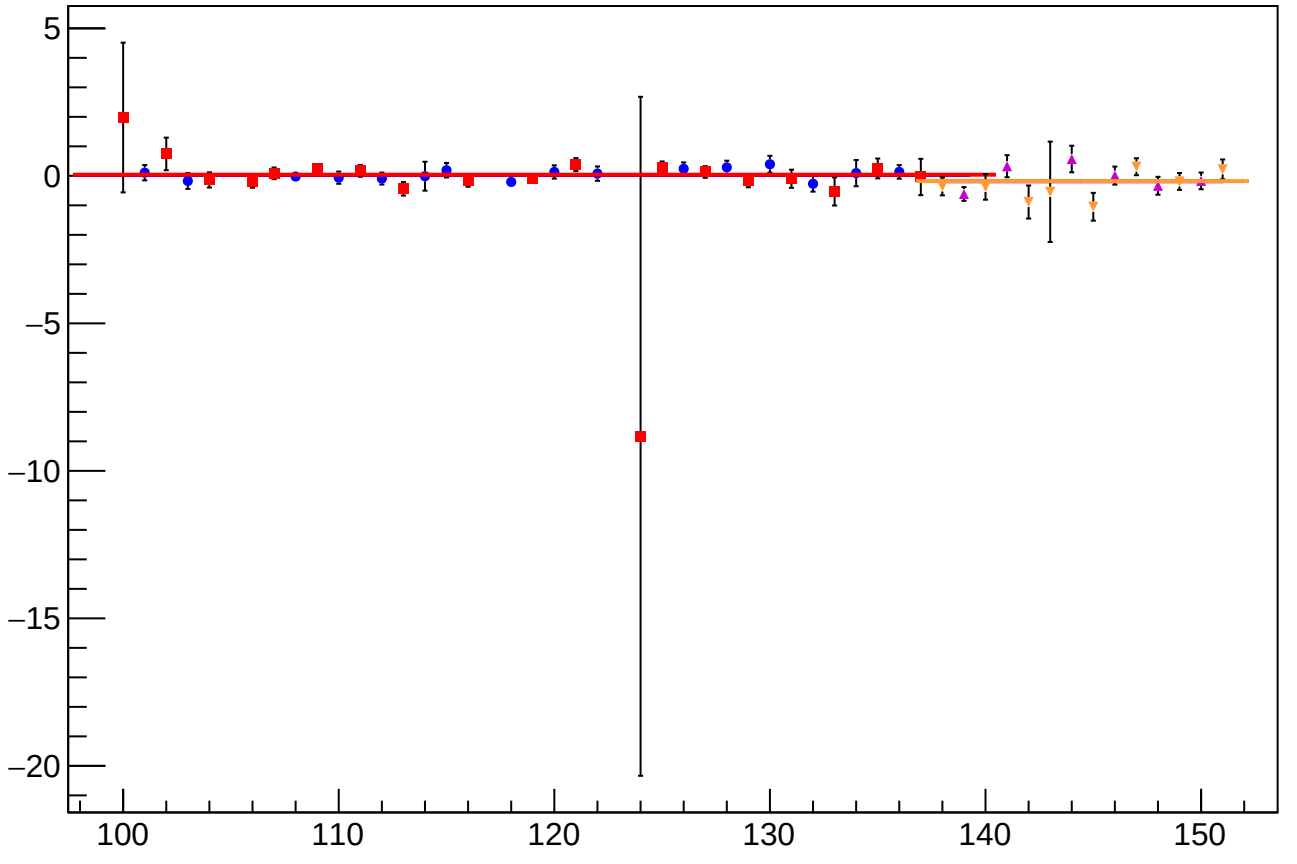
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 274.992+/-0.088 χ^2/NDF:503505.9/5

+ sign 172.462+/-0.037 χ^2/NDF: 4867386.5/23

All: 164.473+/-0.026 χ^2/NDF: 9197143.7/48

- sign 157.285+/-0.035 χ^2/NDF: 4242984.4/24



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.178+/-0.132 χ^2/NDF:9.9/7

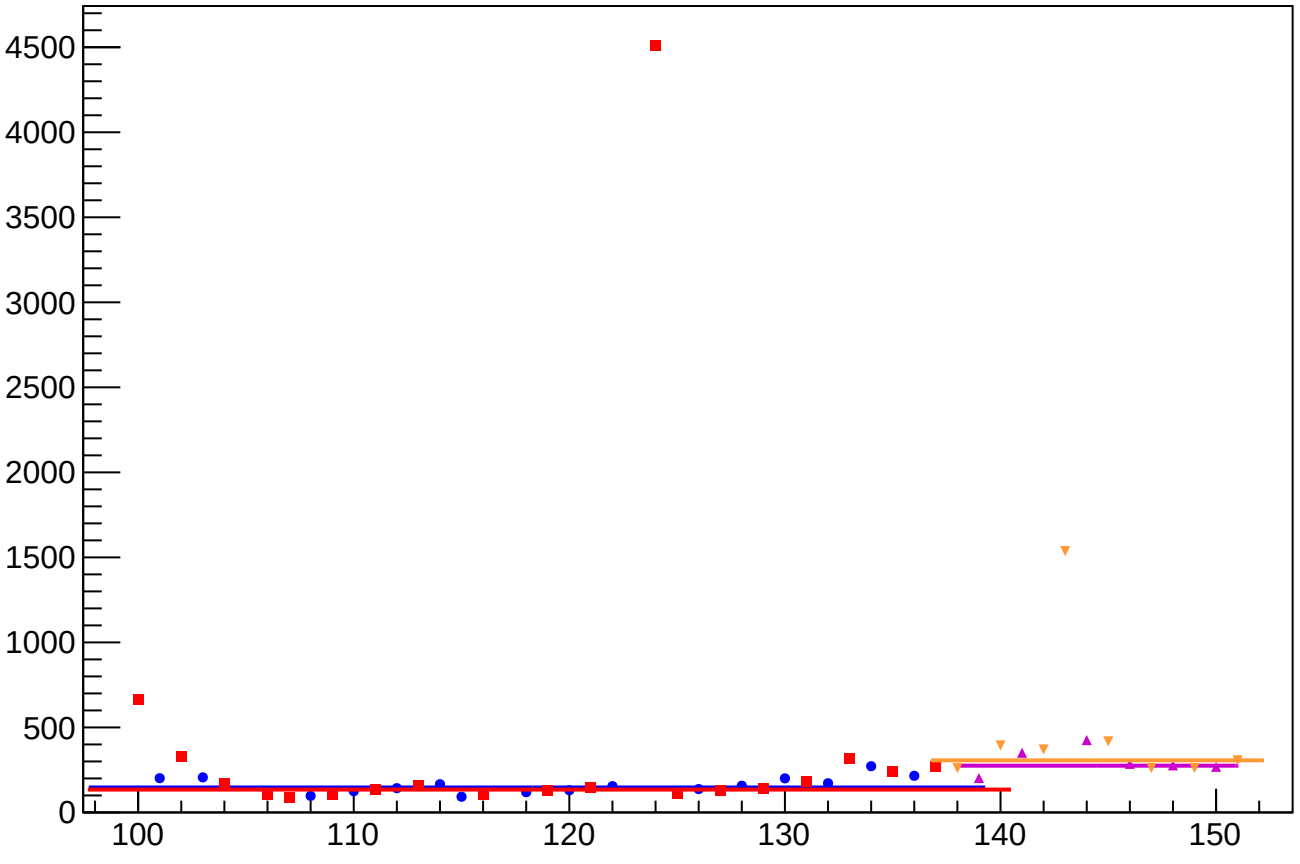
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.184+/-0.125 χ^2/NDF:8.7/5

+ sign -0.005+/-0.053 χ^2/NDF: 21.4/23

All: -0.001+/-0.036 χ^2/NDF: 52.8/48

- sign 0.003+/-0.050 χ^2/NDF: 31.4/24



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 306.407+/-0.093 χ^2/NDF:1411618.5/7

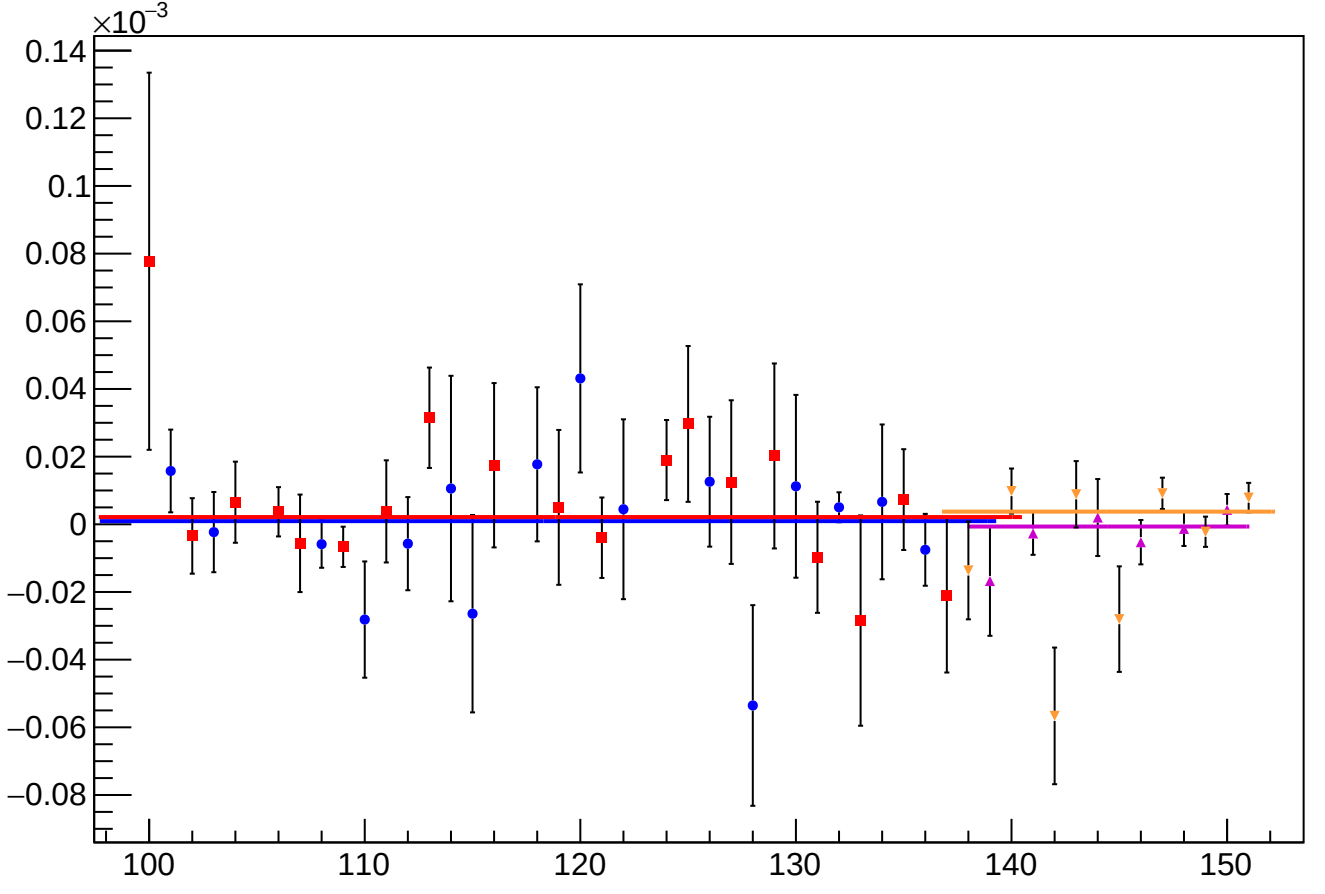
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 274.992+/-0.088 χ^2/NDF:503505.9/5

+ sign 172.462+/-0.037 χ^2/NDF: 4867386.5/23

All: 164.473+/-0.026 χ^2/NDF: 9197143.7/48

- sign 157.285+/-0.035 χ^2/NDF: 4242984.4/24



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/7

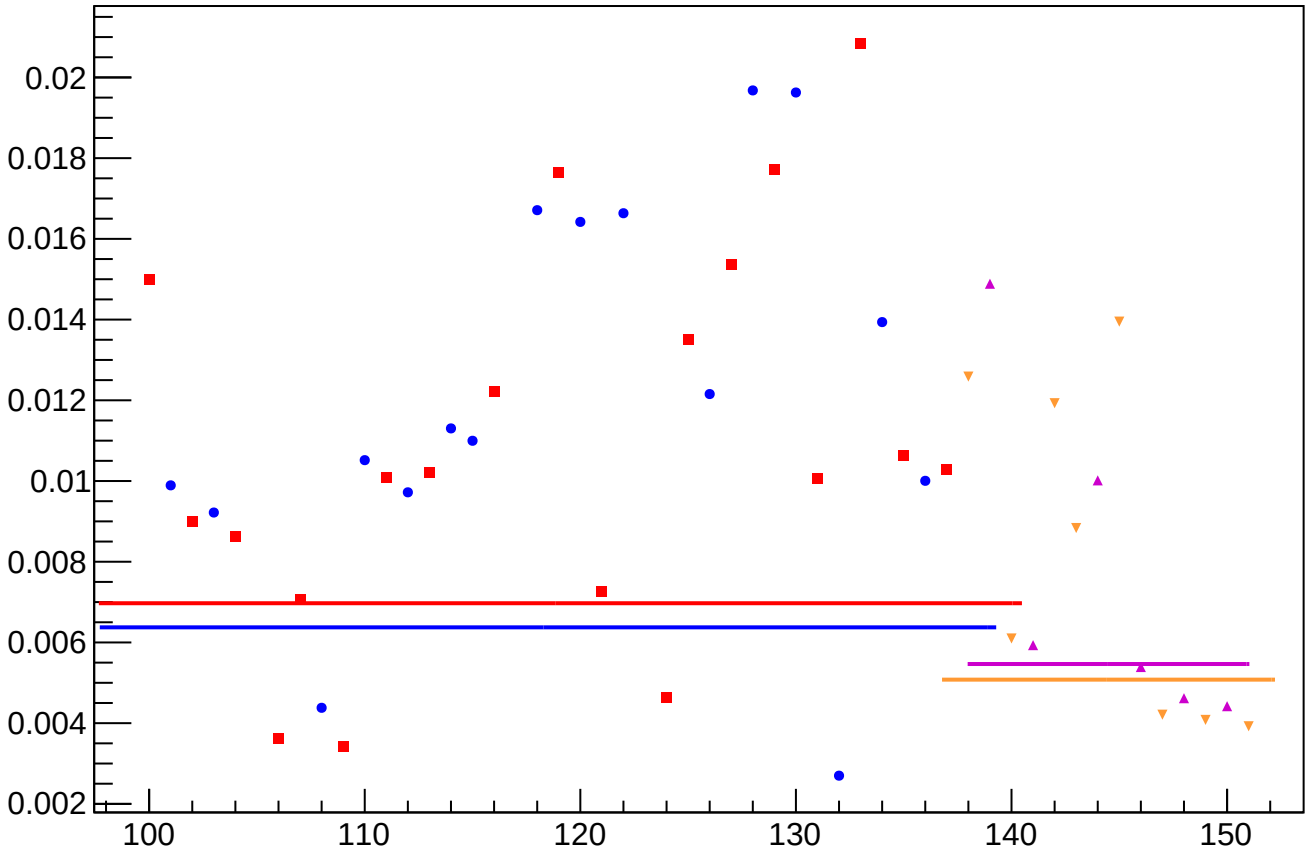
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:2.8/5

+ sign 0.000+/-0.000 χ^2/NDF: 35.1/23

All: 0.000+/-0.000 χ^2/NDF: 55.1/48

- sign 0.000+/-0.000 χ^2/NDF: 19.3/24



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:2067666.8/7

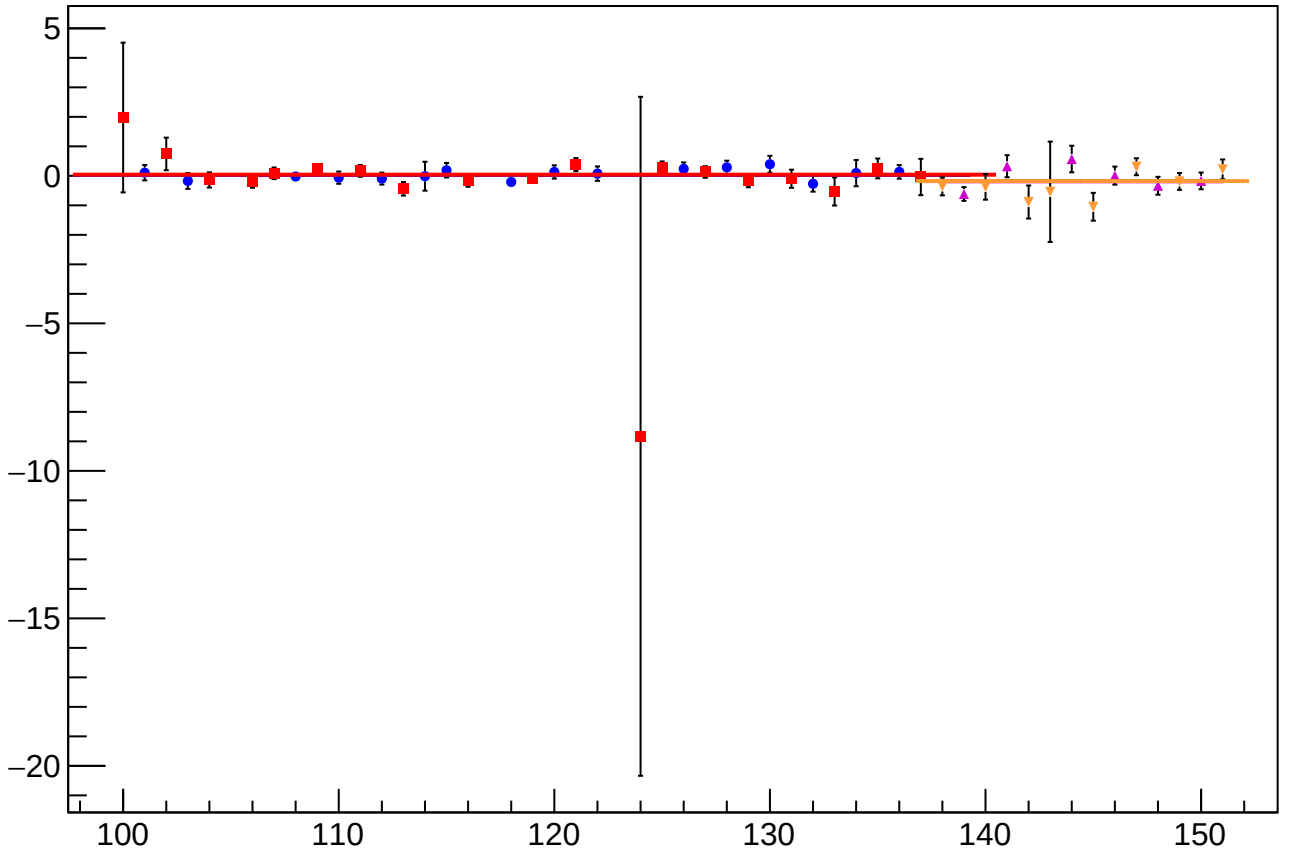
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:1164361.1/5

+ sign 0.006+/-0.000 χ^2/NDF: 6951953.1/23

All: 0.006+/-0.000 χ^2/NDF: 11894675.5/48

- sign 0.006+/-0.000 χ^2/NDF: 4857972.0/24



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.178+/-0.132 χ^2/NDF:9.9/7

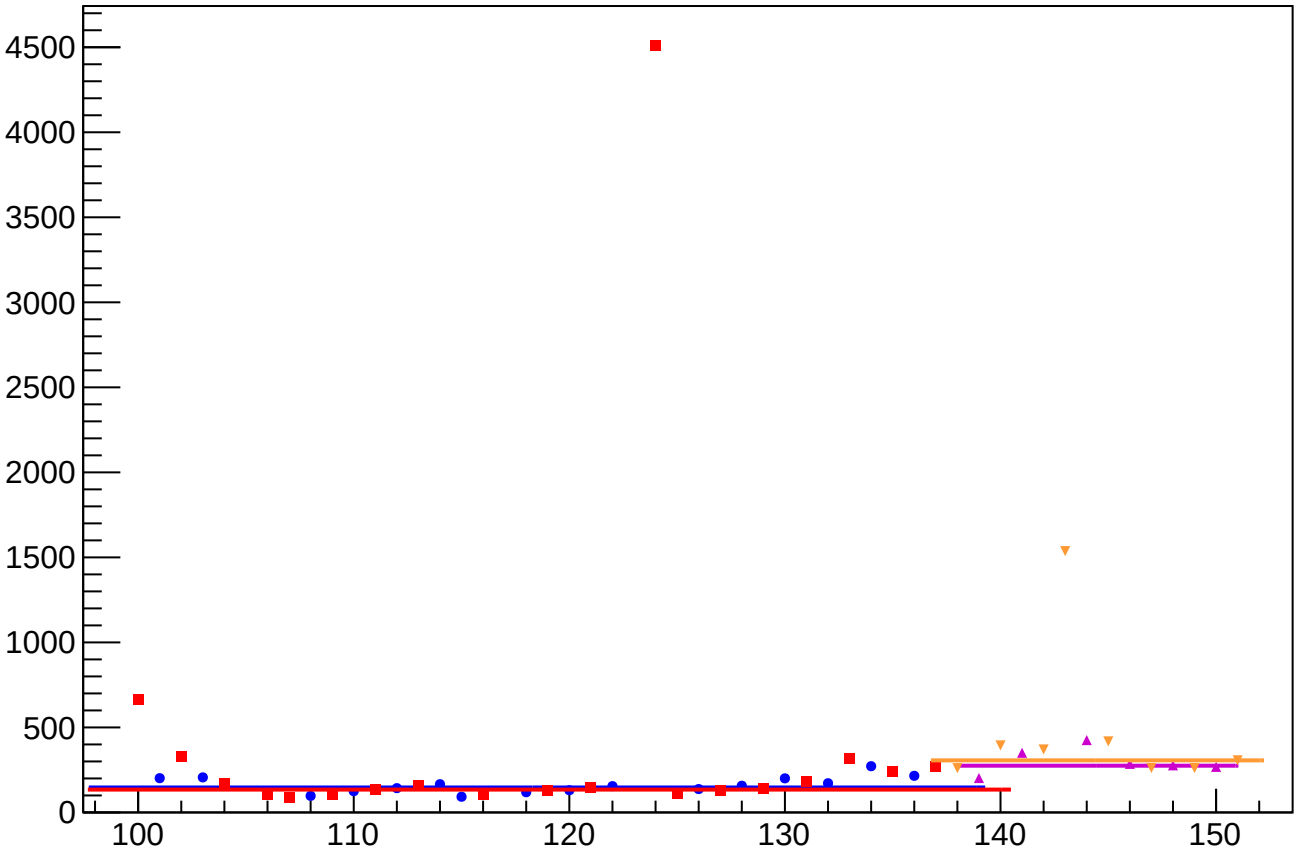
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.184+/-0.125 χ^2/NDF:8.7/5

+ sign -0.005+/-0.053 χ^2/NDF: 21.4/23

All: -0.001+/-0.036 χ^2/NDF: 52.8/48

- sign 0.003+/-0.050 χ^2/NDF: 31.4/24



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 306.410+/-0.093 χ^2/NDF:1411617.0/7

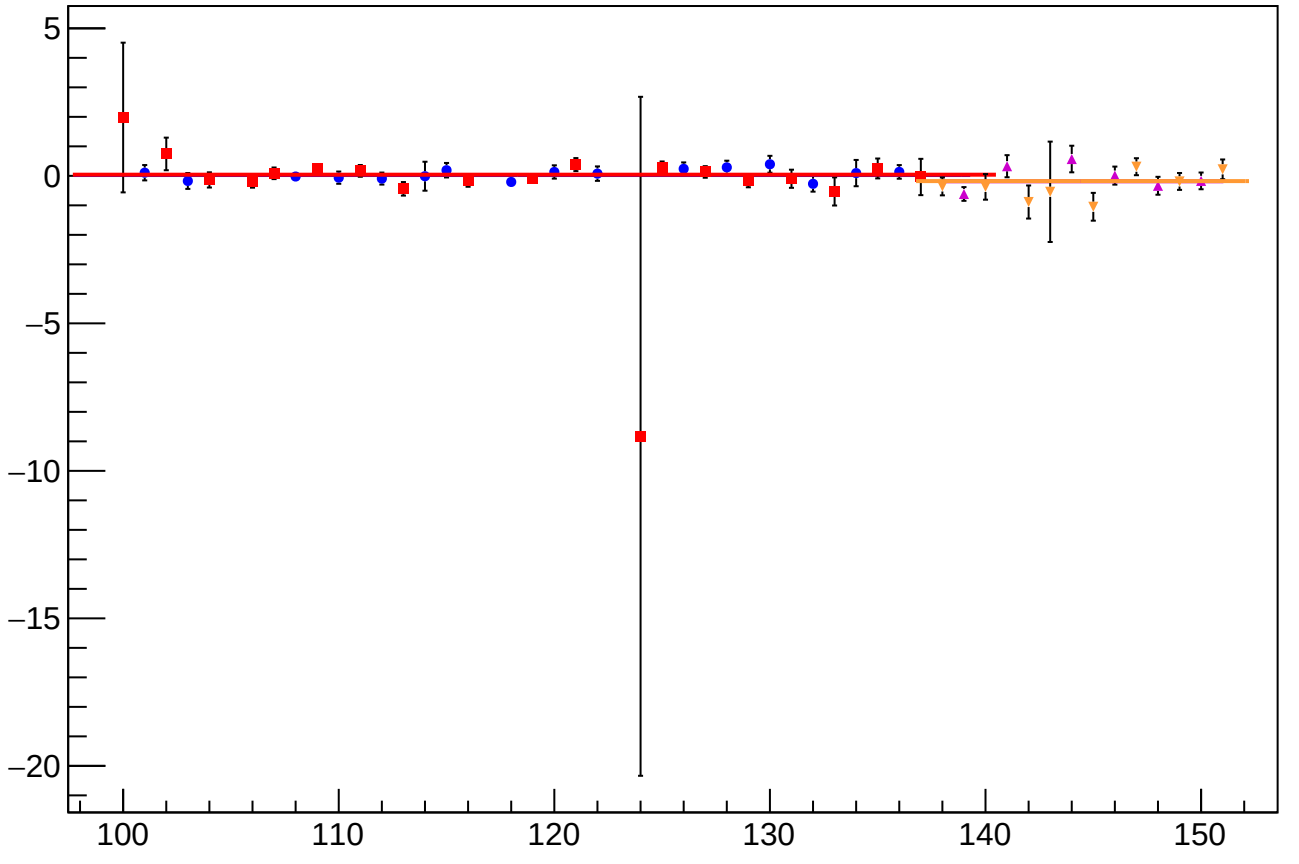
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 274.996+/-0.088 χ^2/NDF:503488.5/5

+ sign 172.462+/-0.037 χ^2/NDF: 4867385.2/23

All: 164.474+/-0.026 χ^2/NDF: 9197062.1/48

- sign 157.287+/-0.035 χ^2/NDF: 4242921.8/24



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.178+/-0.132 χ^2/NDF:9.9/7

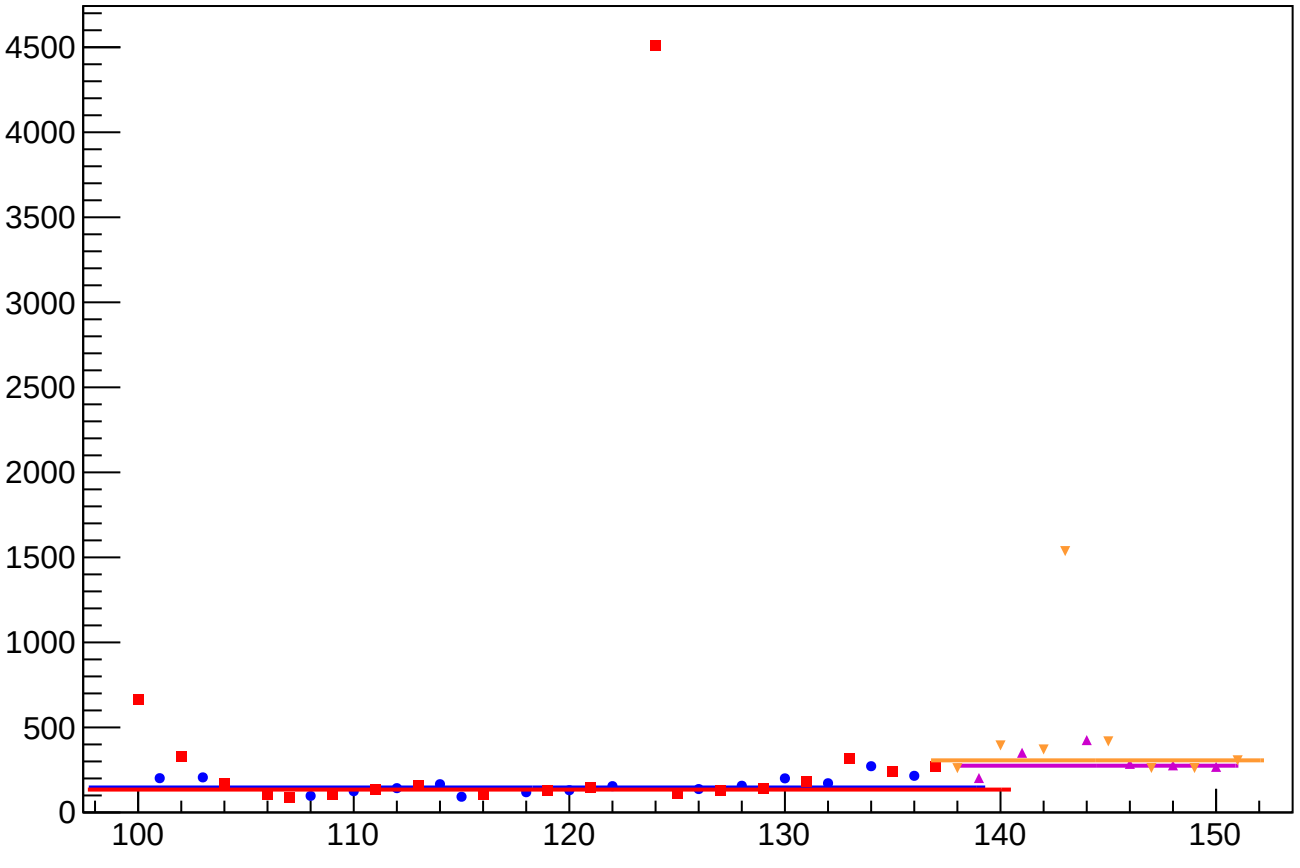
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.184+/-0.125 χ^2/NDF:8.7/5

+ sign -0.005+/-0.053 χ^2/NDF: 21.4/23

All: -0.001+/-0.036 χ^2/NDF: 52.8/48

- sign 0.003+/-0.050 χ^2/NDF: 31.4/24



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 306.410+/-0.093 χ^2/NDF:1411617.0/7

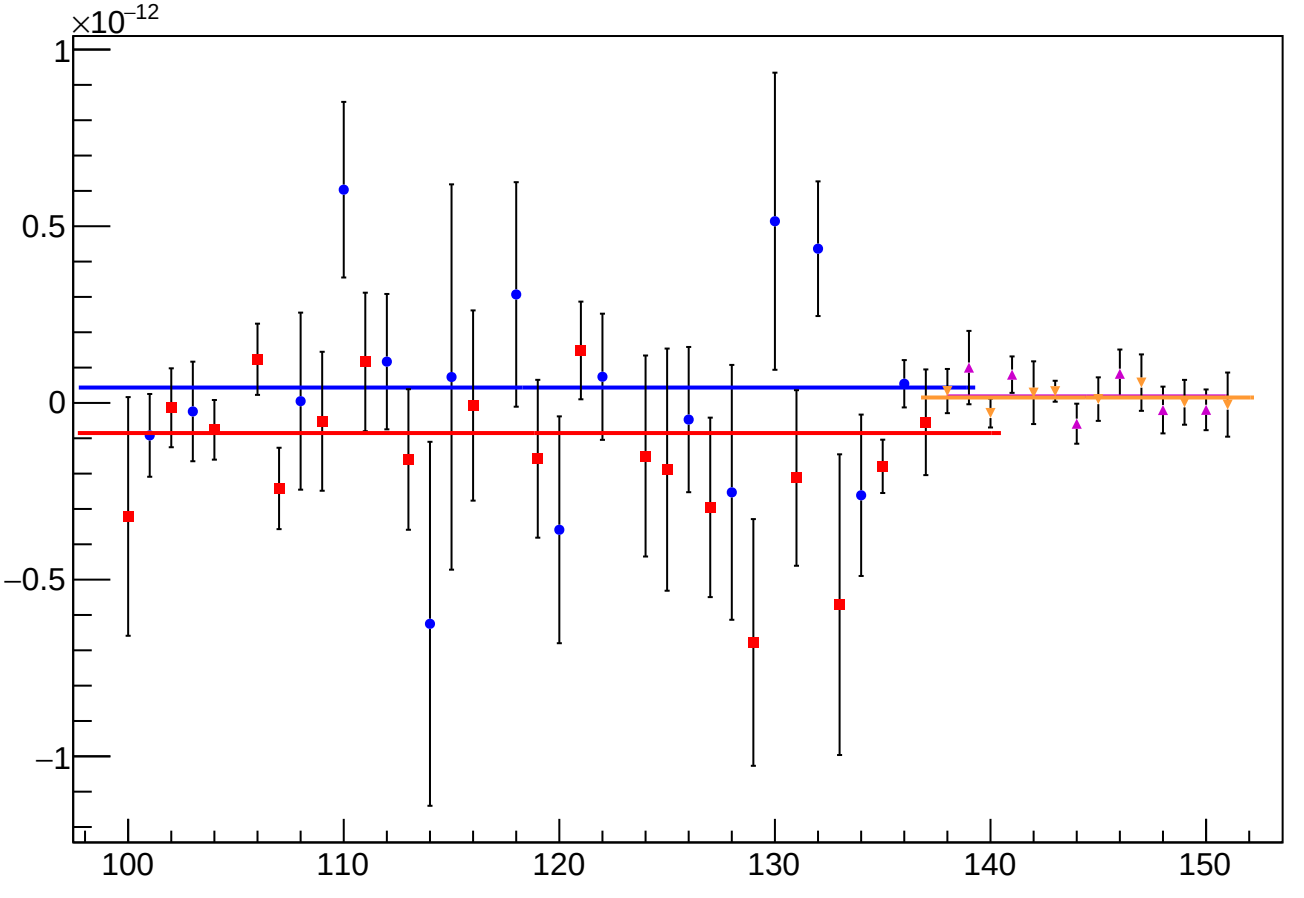
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 274.996+/-0.088 χ^2/NDF:503488.5/5

+ sign 172.462+/-0.037 χ^2/NDF: 4867385.2/23

All: 164.474+/-0.026 χ^2/NDF: 9197062.1/48

- sign 157.287+/-0.035 χ^2/NDF: 4242921.8/24



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.0/7

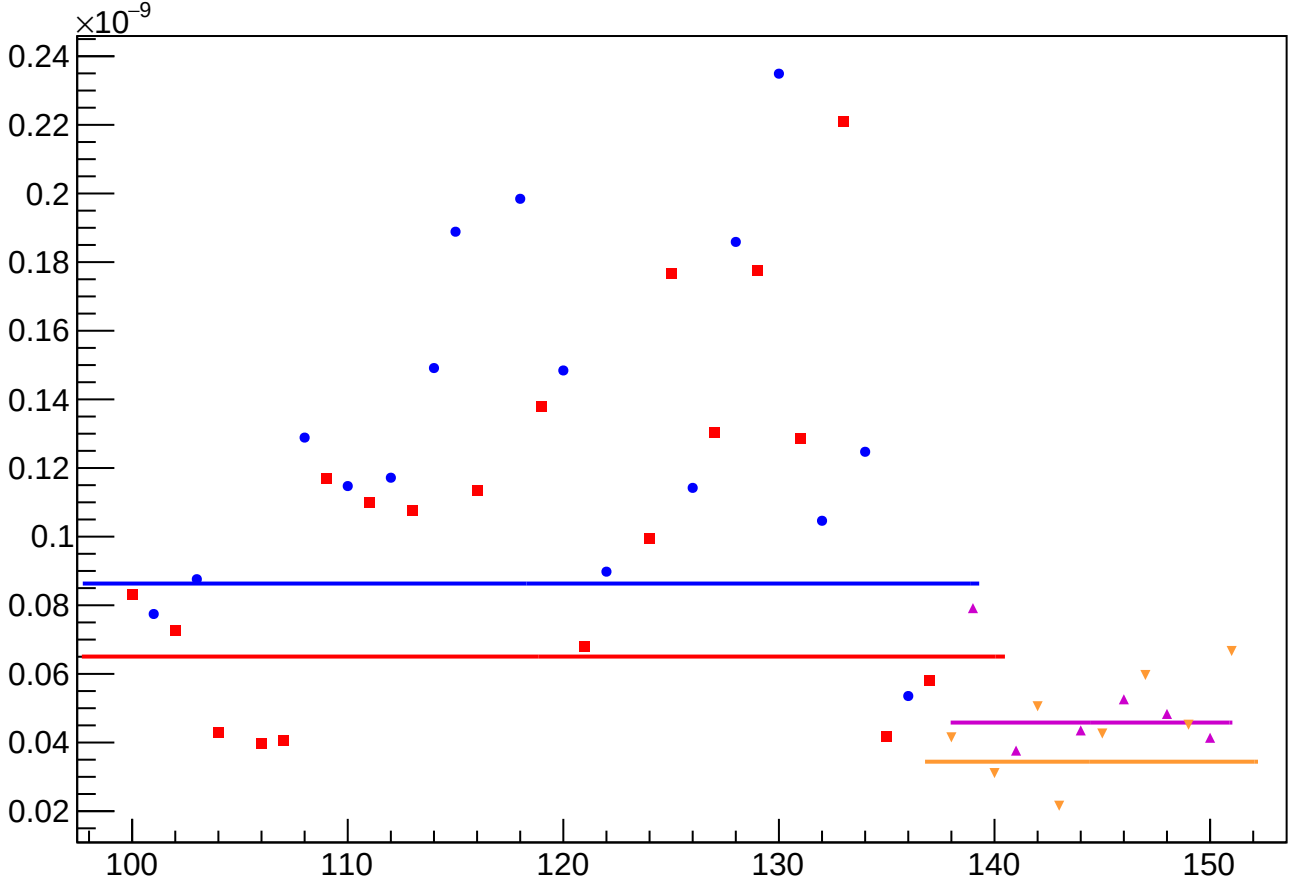
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:5.6/5

+ sign 0.000+/-0.000 χ^2/NDF: 21.3/23

All: 0.000+/-0.000 χ^2/NDF: 53.1/48

- sign -0.000+/-0.000 χ^2/NDF: 29.6/24



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1026181.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

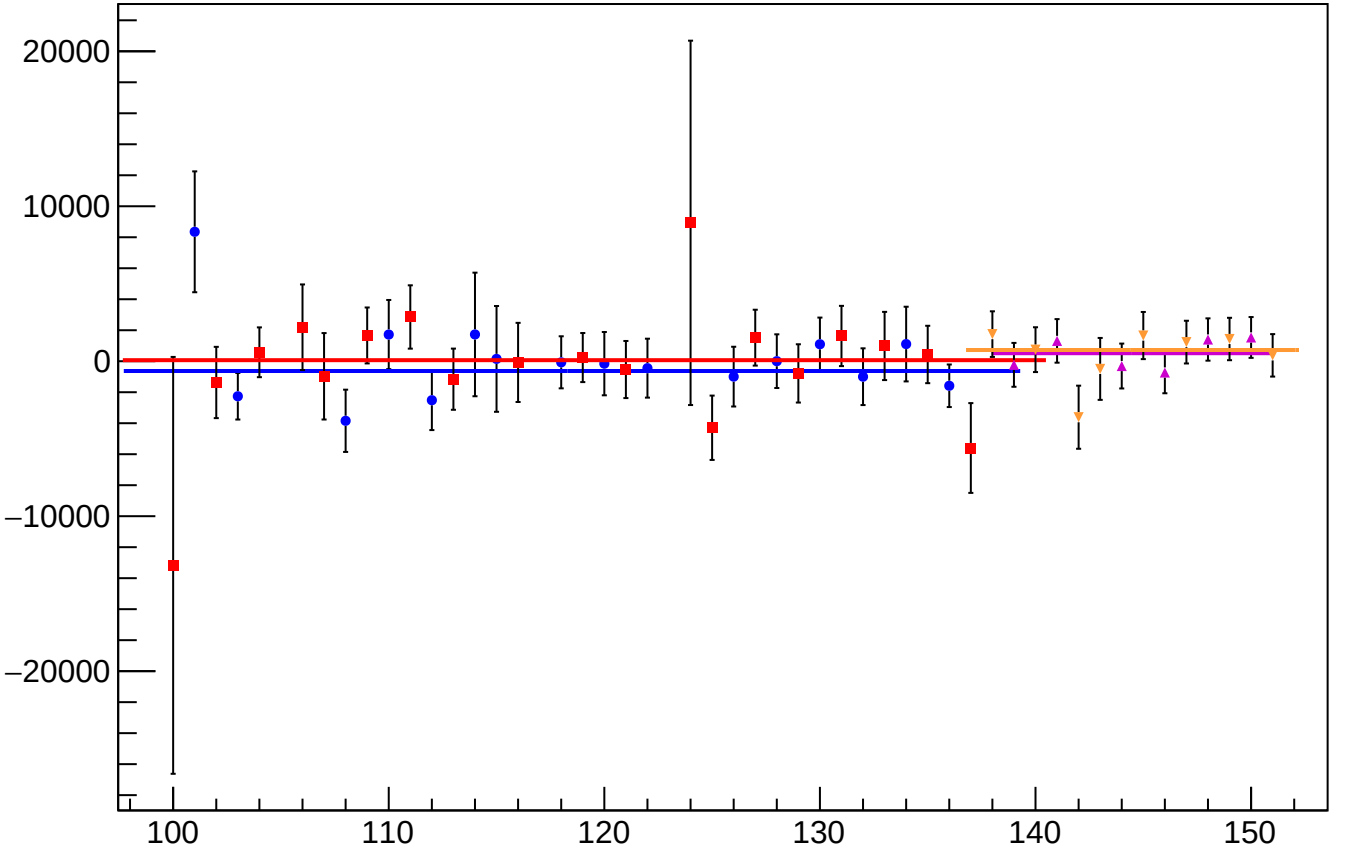
Left In: 0.000+/-0.000 χ^2/NDF:294185.6/5

+ sign 0.000+/-0.000 χ^2/NDF: 5075363.8/23

All: 0.000+/-0.000 χ^2/NDF: 8219396.9/48

- sign 0.000+/-0.000 χ^2/NDF: 2857803.2/24

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 723.837+/-537.862 χ^2/NDF:6.2/7

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

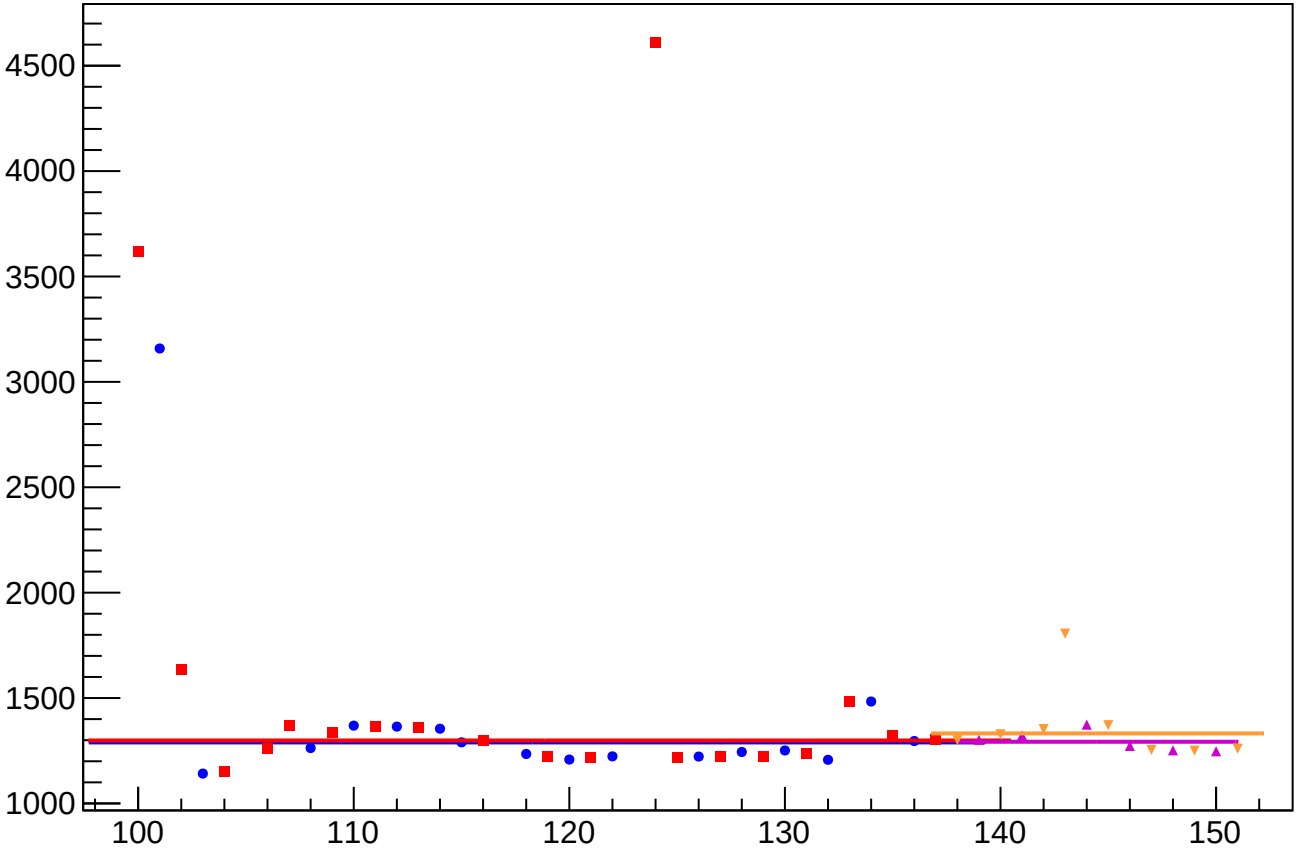
Left In: 517.647+/-563.232 χ^2/NDF:2.8/5

\+ sign -18.389+/-361.682 χ^2/NDF: 23.6/23

All: 118.368+/-258.199 χ^2/NDF: 43.0/48

\- sign 260.496+/-368.716 χ^2/NDF: 19.0/24

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1332.187+/-0.380 χ^2/NDF:133752.8/7

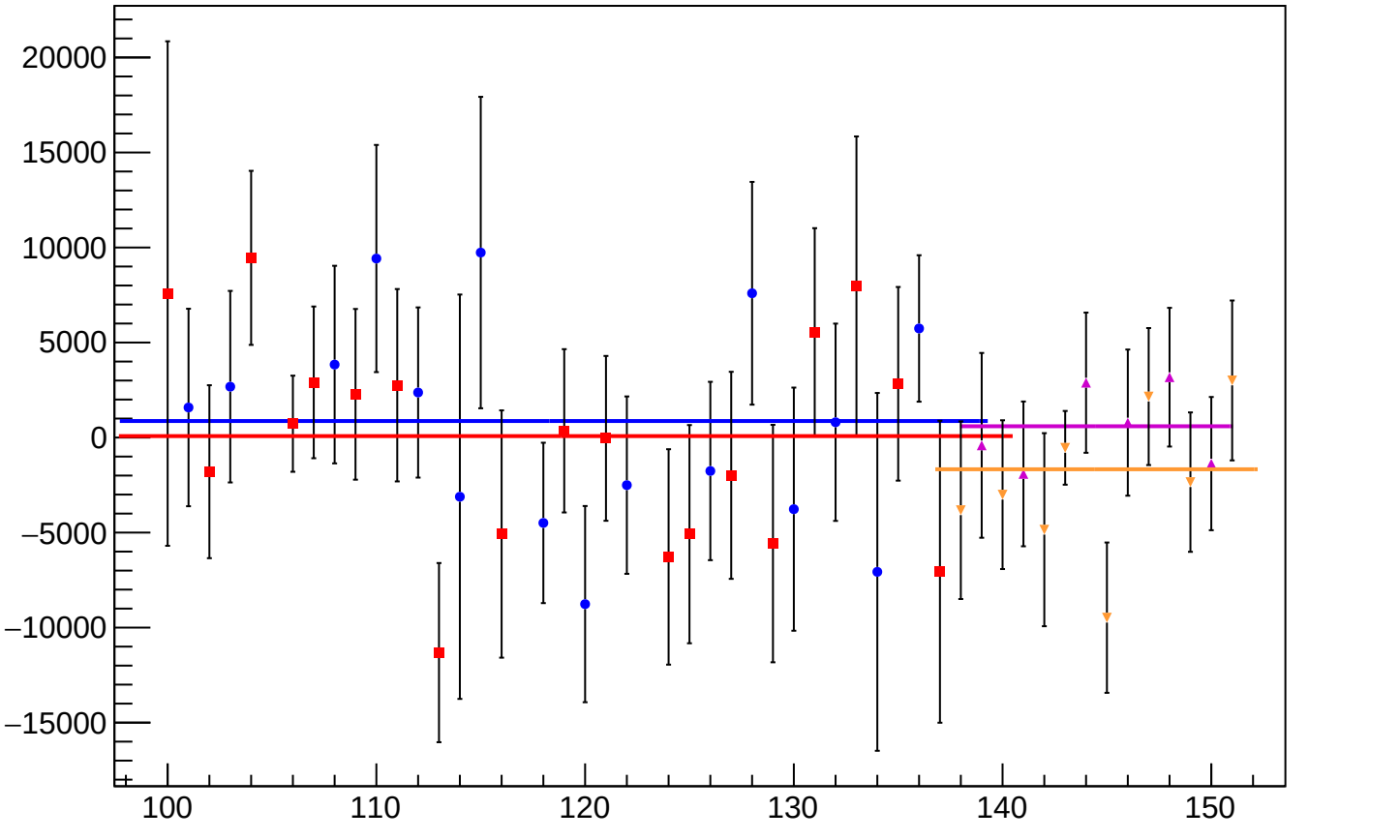
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1292.555+/-0.398 χ^2/NDF:11829.7/5

+ sign 1308.784+/-0.256 χ^2/NDF: 655339.9/23

All: 1302.530+/-0.182 χ^2/NDF: 987896.5/48

- sign 1296.049+/-0.260 χ^2/NDF: 331338.9/24



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -1668.580+/-1206.139 χ^2/NDF:7.4/7

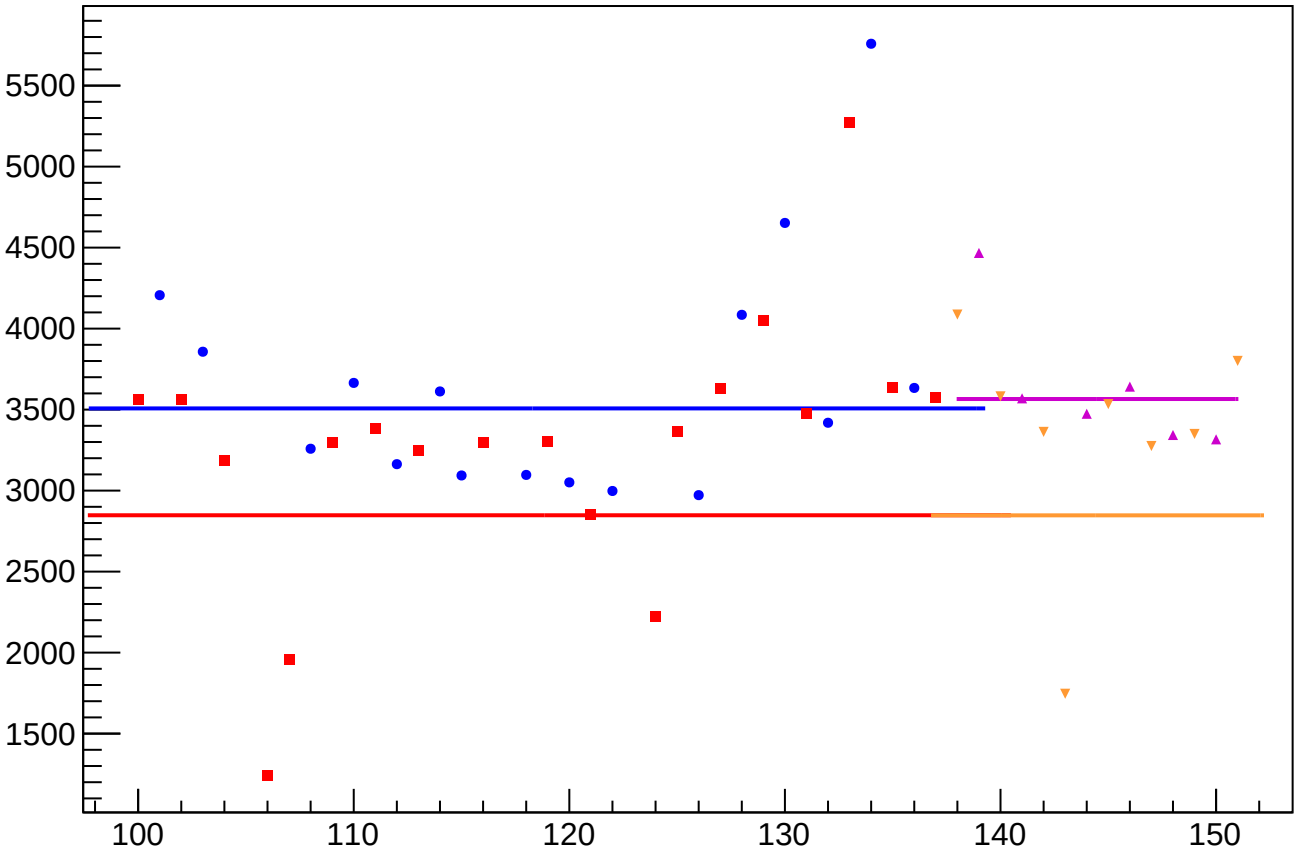
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 595.059+/-1563.936 χ^2/NDF:1.7/5

+ sign -518.368+/-892.021 χ^2/NDF: 23.4/23

All: -139.574+/-635.558 χ^2/NDF: 43.9/48

- sign 250.984+/-905.765 χ^2/NDF: 20.1/24



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 2847.311+/-0.853 χ^2/NDF:1105175.2/7

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

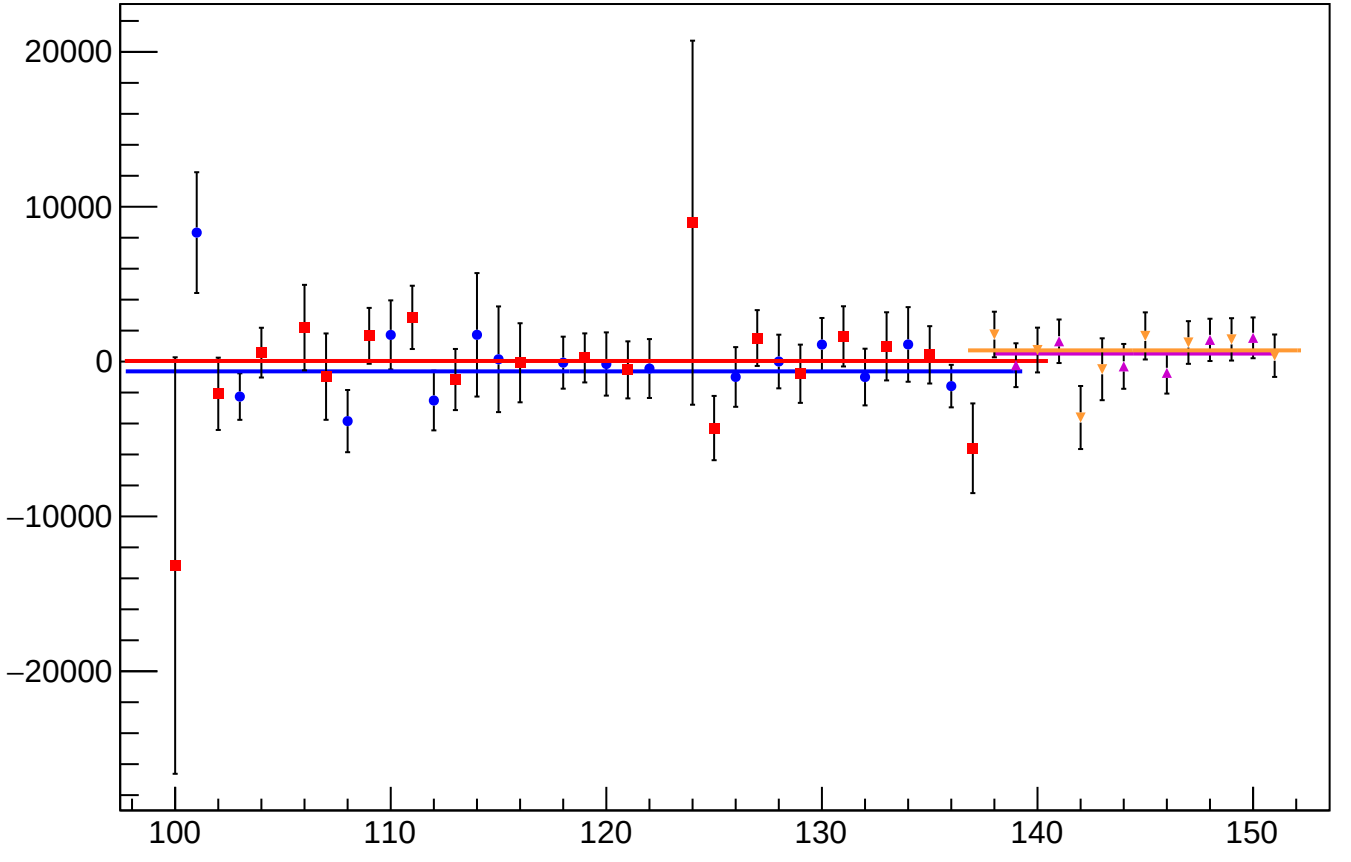
Left In: 3565.427+/-1.106 χ^2/NDF:88295.7/5

+ sign 3146.356+/-0.631 χ^2/NDF: 1730531.0/23

All: 3117.886+/-0.449 χ^2/NDF: 3602168.8/48

- sign 3088.531+/-0.640 χ^2/NDF: 1867499.7/24

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 723.805+/-537.862 χ^2/NDF:6.2/7

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

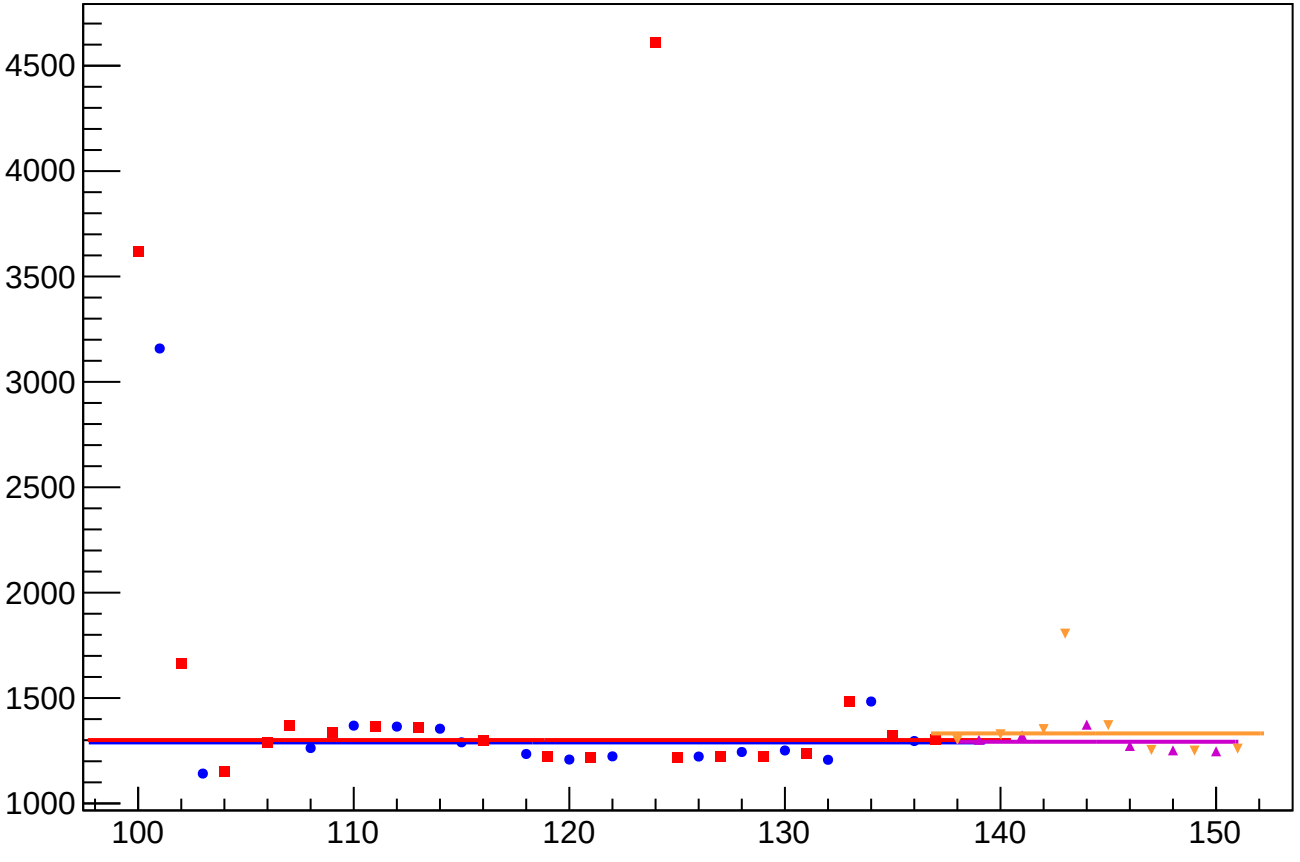
Left In: 517.618+/-563.232 χ^2/NDF:2.8/5

\+ sign -18.615+/-361.682 χ^2/NDF: 23.6/23

All: 110.142+/-258.247 χ^2/NDF: 43.4/48

\- sign 244.056+/-368.856 χ^2/NDF: 19.5/24

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1332.187+/-0.380 χ^2/NDF:133752.8/7

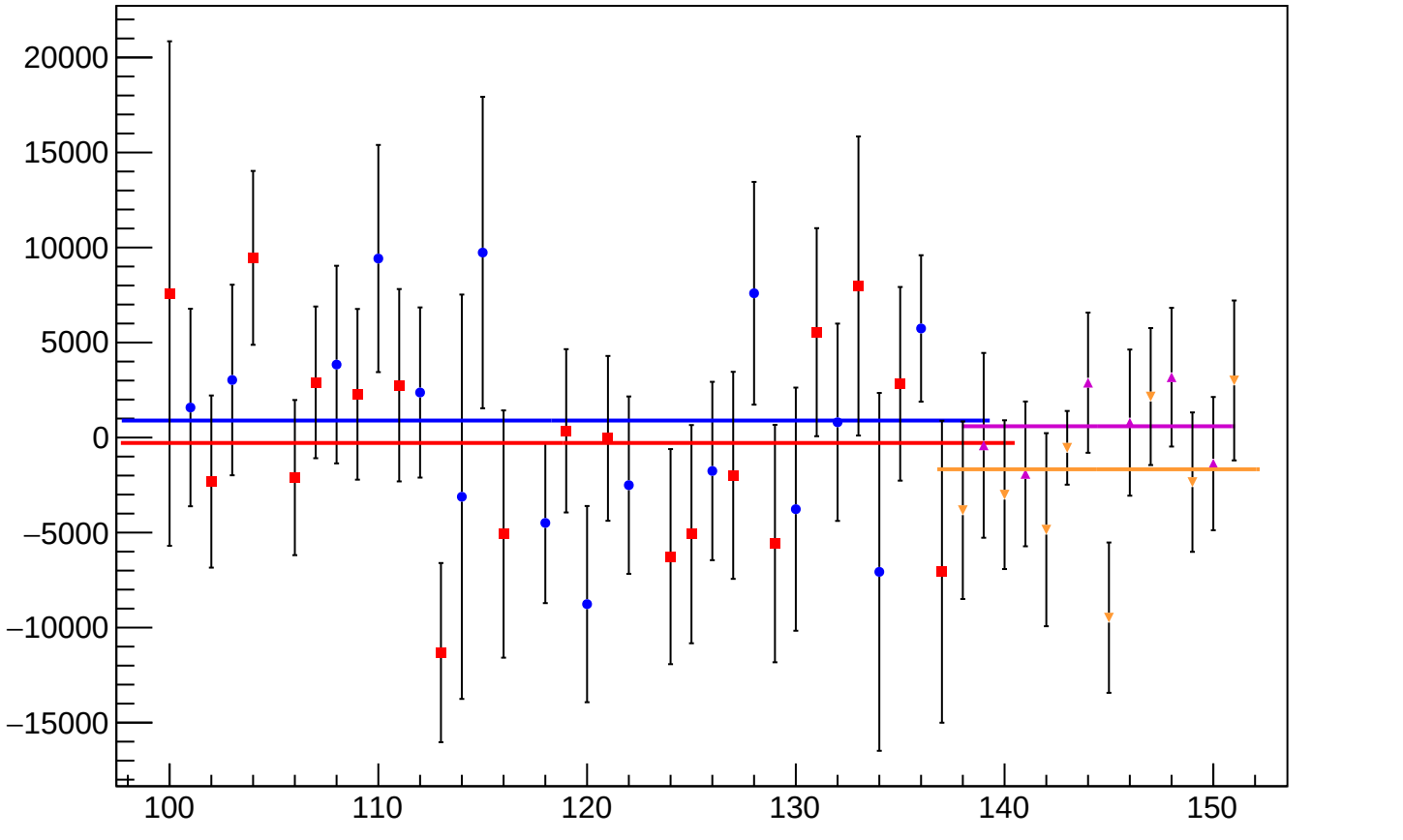
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1292.555+/-0.398 χ^2/NDF:11829.7/5

+ sign 1308.784+/-0.256 χ^2/NDF: 655341.4/23

All: 1303.102+/-0.183 χ^2/NDF: 994322.9/48

- sign 1297.205+/-0.261 χ^2/NDF: 337975.7/24



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1668.503+/-1206.136 χ^2/NDF:7.4/7

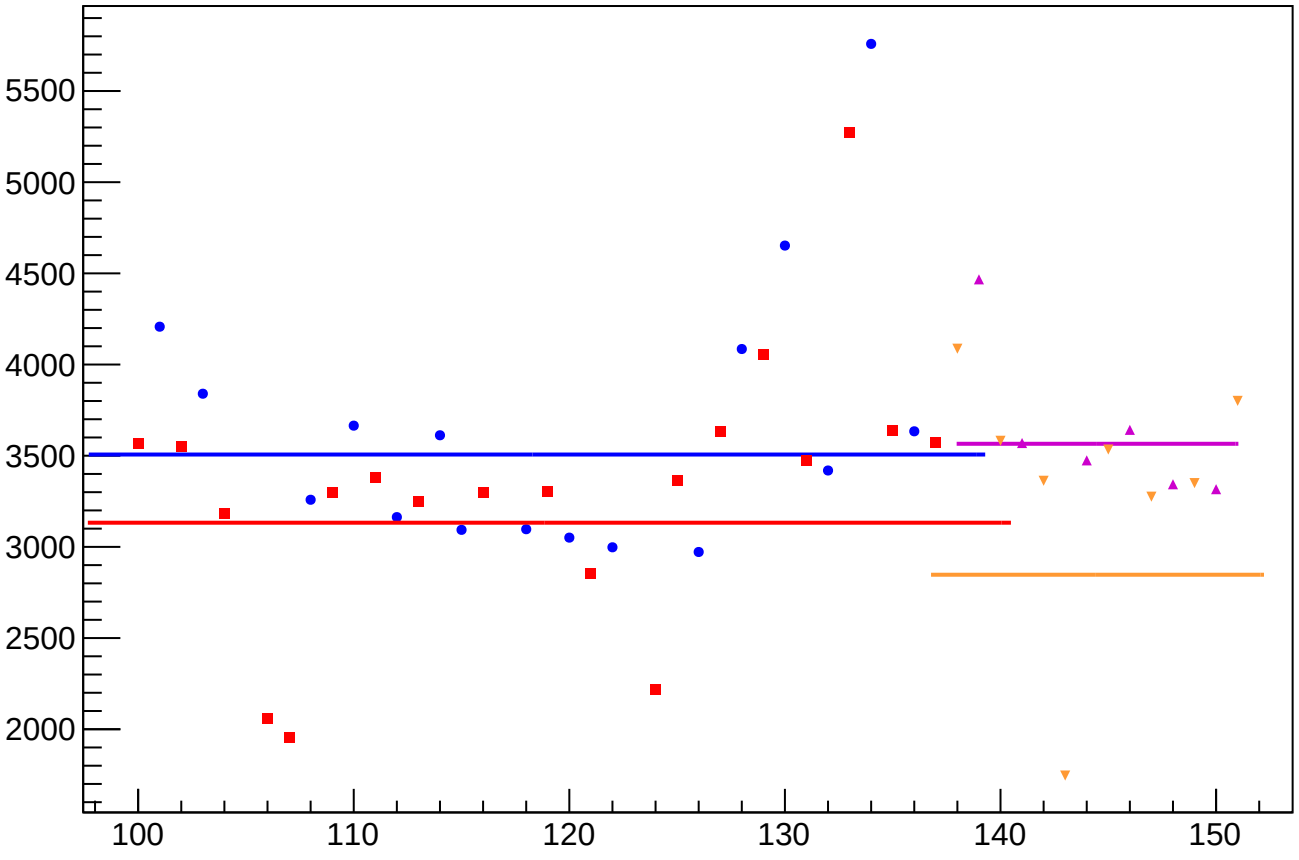
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 595.101+/-1563.934 χ^2/NDF:1.7/5

+ sign -506.240+/-891.881 χ^2/NDF: 23.5/23

All: -250.367+/-648.158 χ^2/NDF: 44.2/48

- sign 36.023+/-943.569 χ^2/NDF: 20.5/24



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2847.301+/-0.853 χ^2/NDF:1105194.9/7

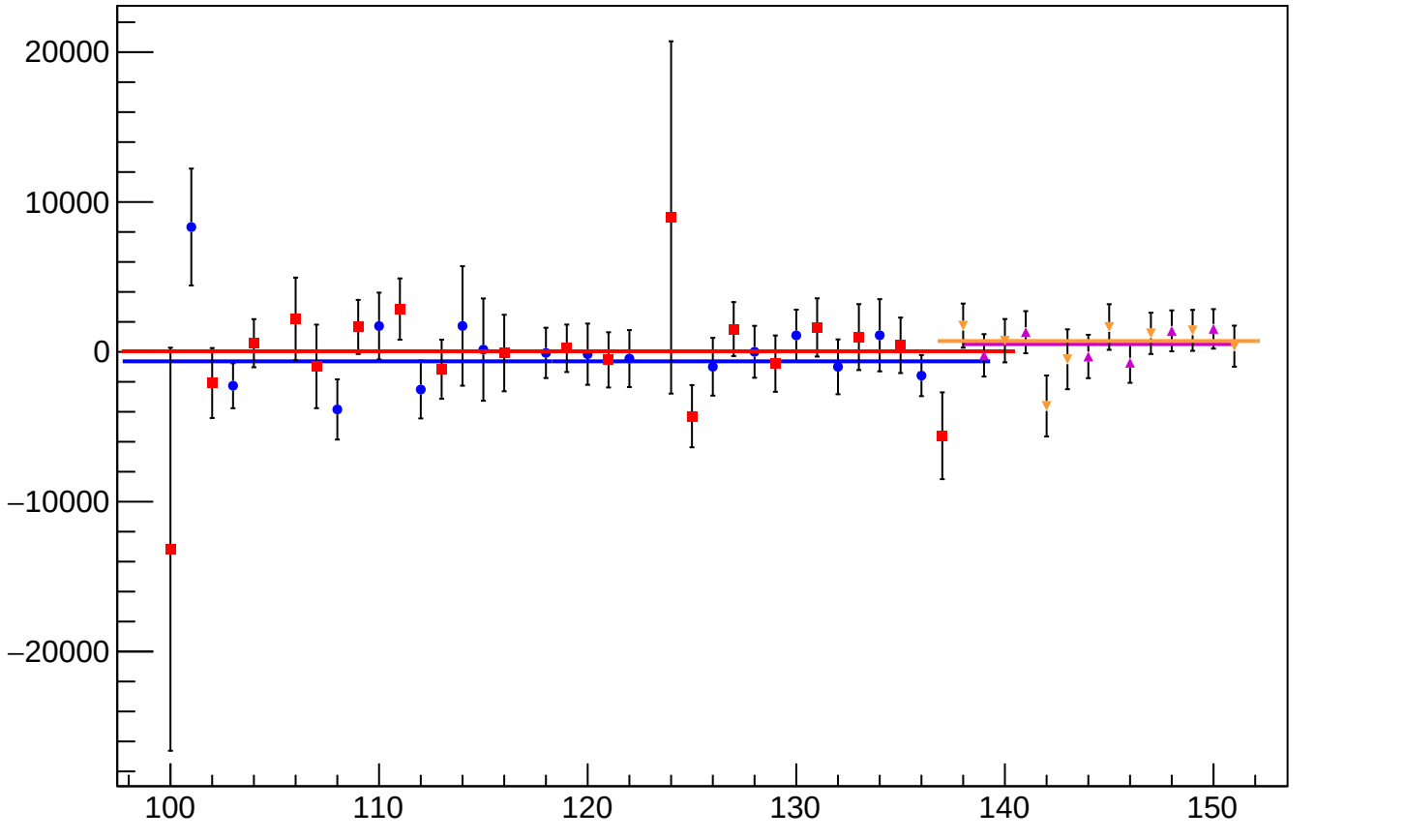
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3565.422+/-1.106 χ^2/NDF:88295.0/5

+ sign 3146.049+/-0.631 χ^2/NDF: 1729169.7/23

All: 3214.041+/-0.458 χ^2/NDF: 2589138.3/48

- sign 3290.142+/-0.667 χ^2/NDF: 835335.7/24



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 723.805+/-537.862 χ^2/NDF:6.2/7

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

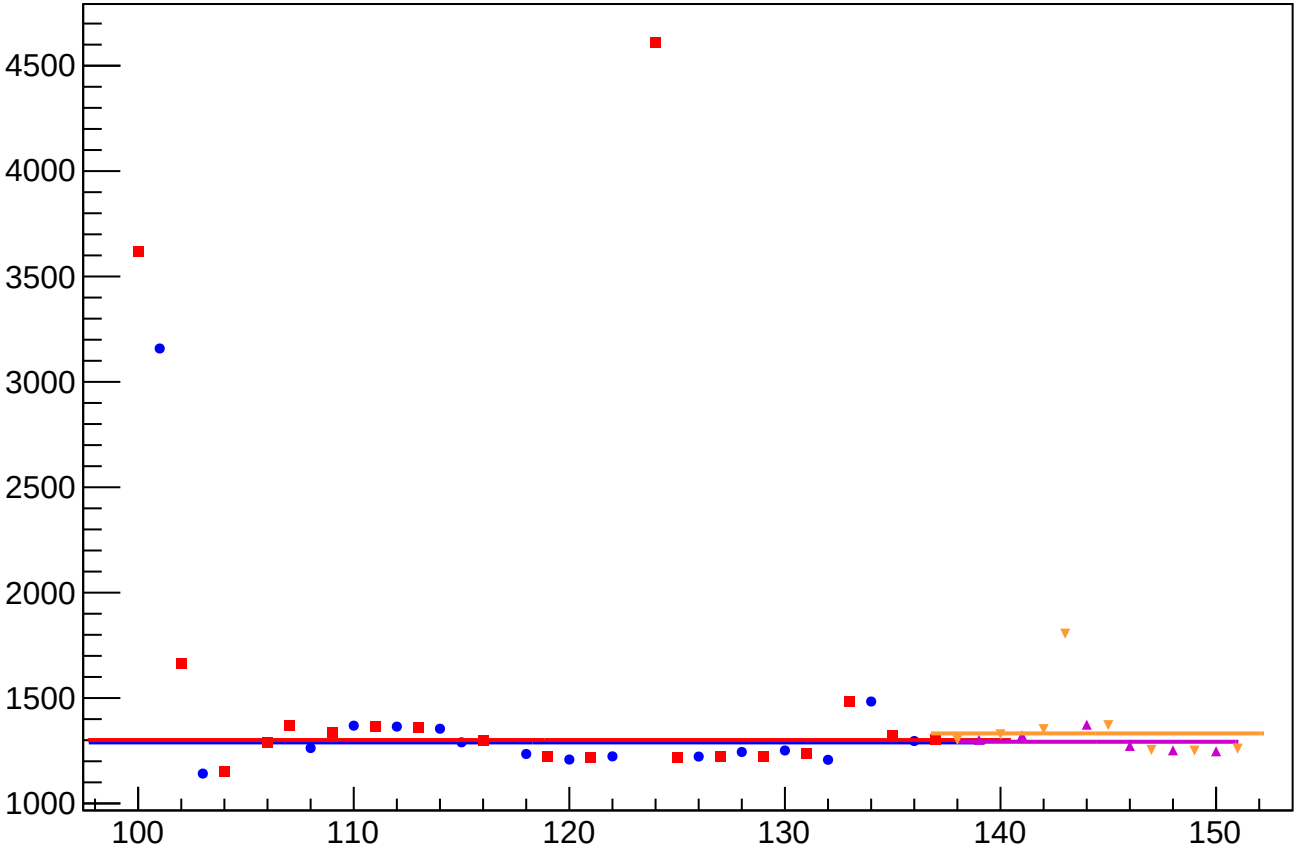
Left In: 517.618+/-563.232 χ^2/NDF:2.8/5

\+ sign -18.615+/-361.682 χ^2/NDF: 23.6/23

All: 110.142+/-258.247 χ^2/NDF: 43.4/48

\- sign 244.056+/-368.856 χ^2/NDF: 19.5/24

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: 1332.187+/-0.380 χ^2/NDF:133752.8/7

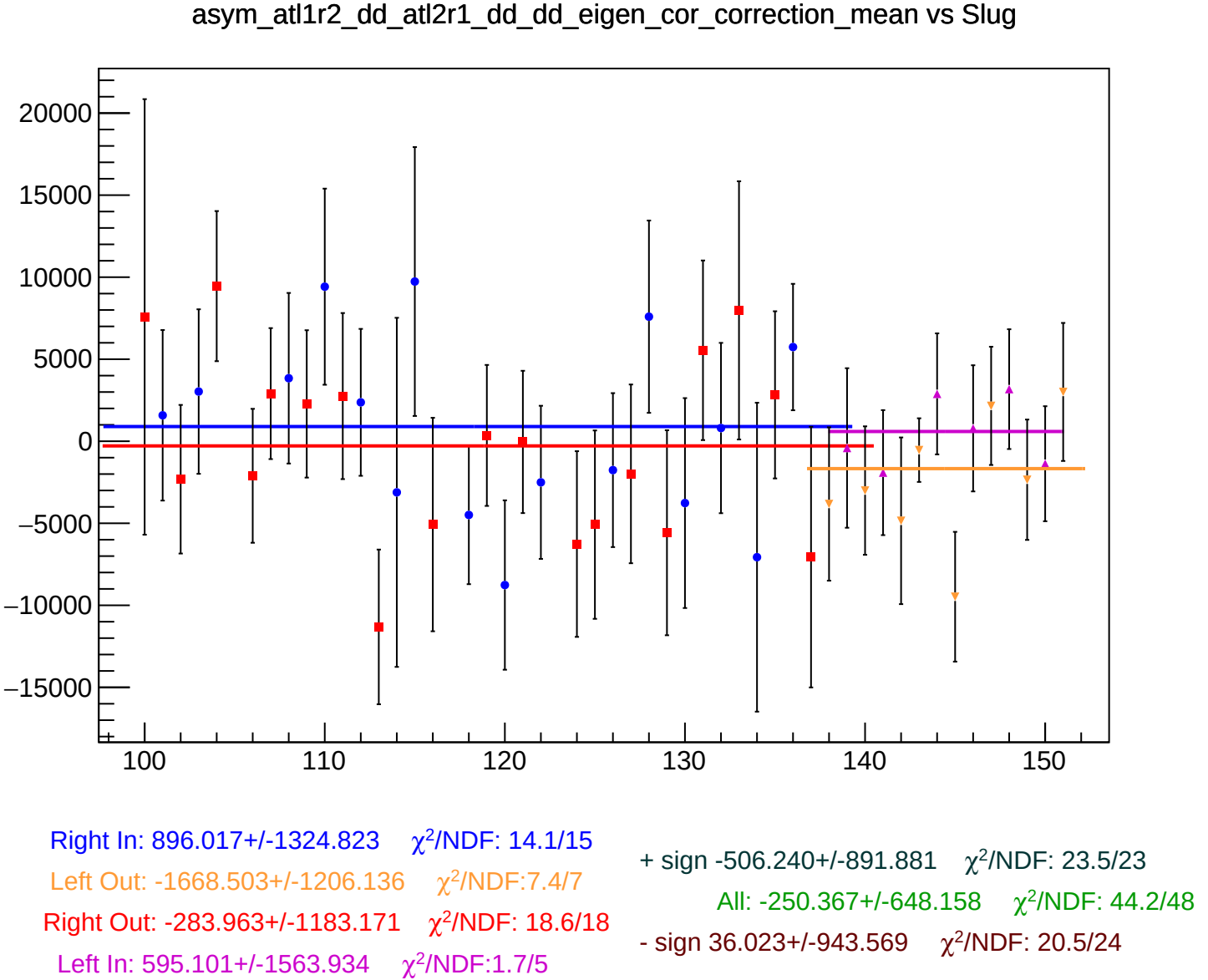
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

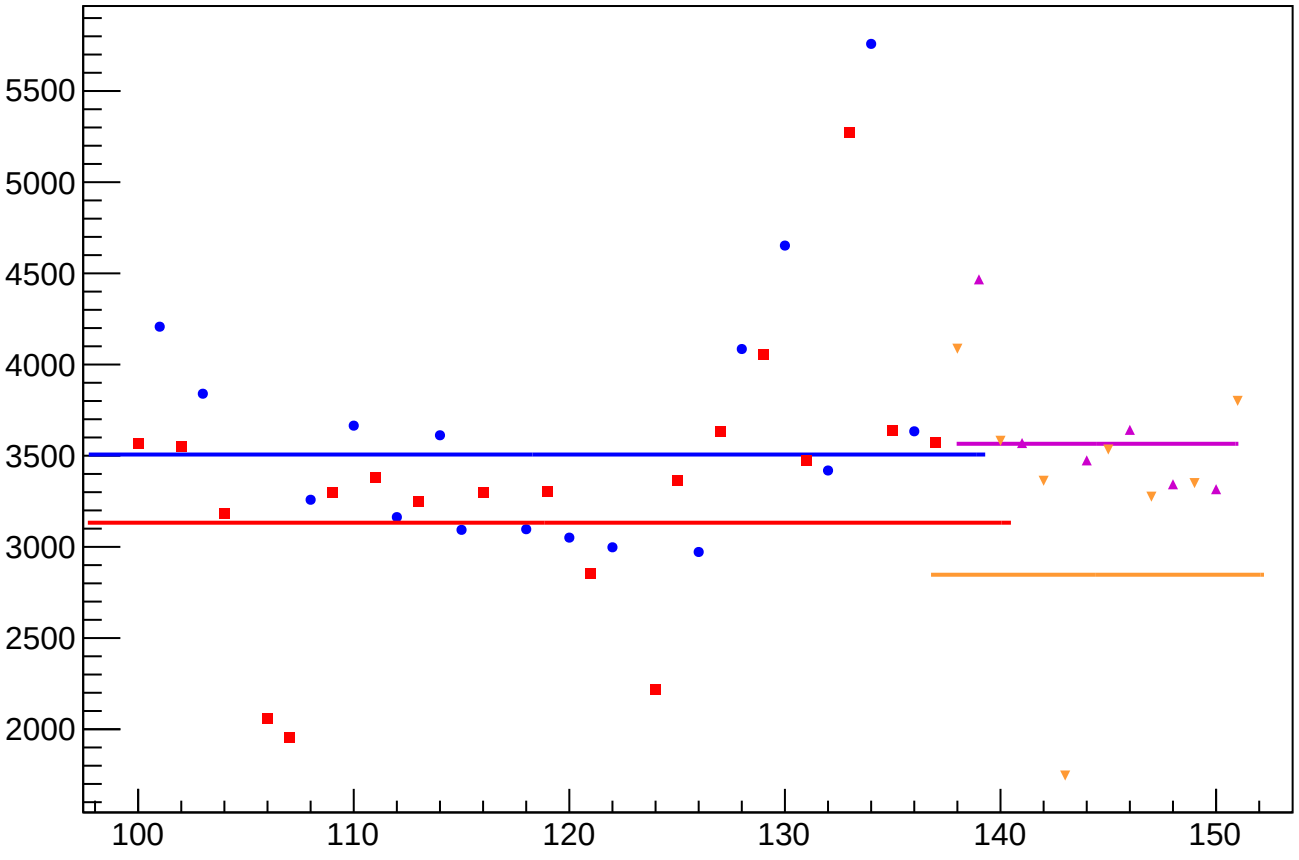
Left In: 1292.555+/-0.398 χ^2/NDF:11829.7/5

+ sign 1308.784+/-0.256 χ^2/NDF: 655341.4/23

All: 1303.102+/-0.183 χ^2/NDF: 994322.9/48

- sign 1297.205+/-0.261 χ^2/NDF: 337975.7/24


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
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -1668.503+/-1206.136 χ²/NDF:7.4/7
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 595.101+/-1563.934 χ²/NDF:1.7/5
+ sign -506.240+/-891.881 χ²/NDF: 23.5/23
All: -250.367+/-648.158 χ²/NDF: 44.2/48
- sign 36.023+/-943.569 χ²/NDF: 20.5/24



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2847.301+/-0.853 χ^2/NDF:1105194.9/7

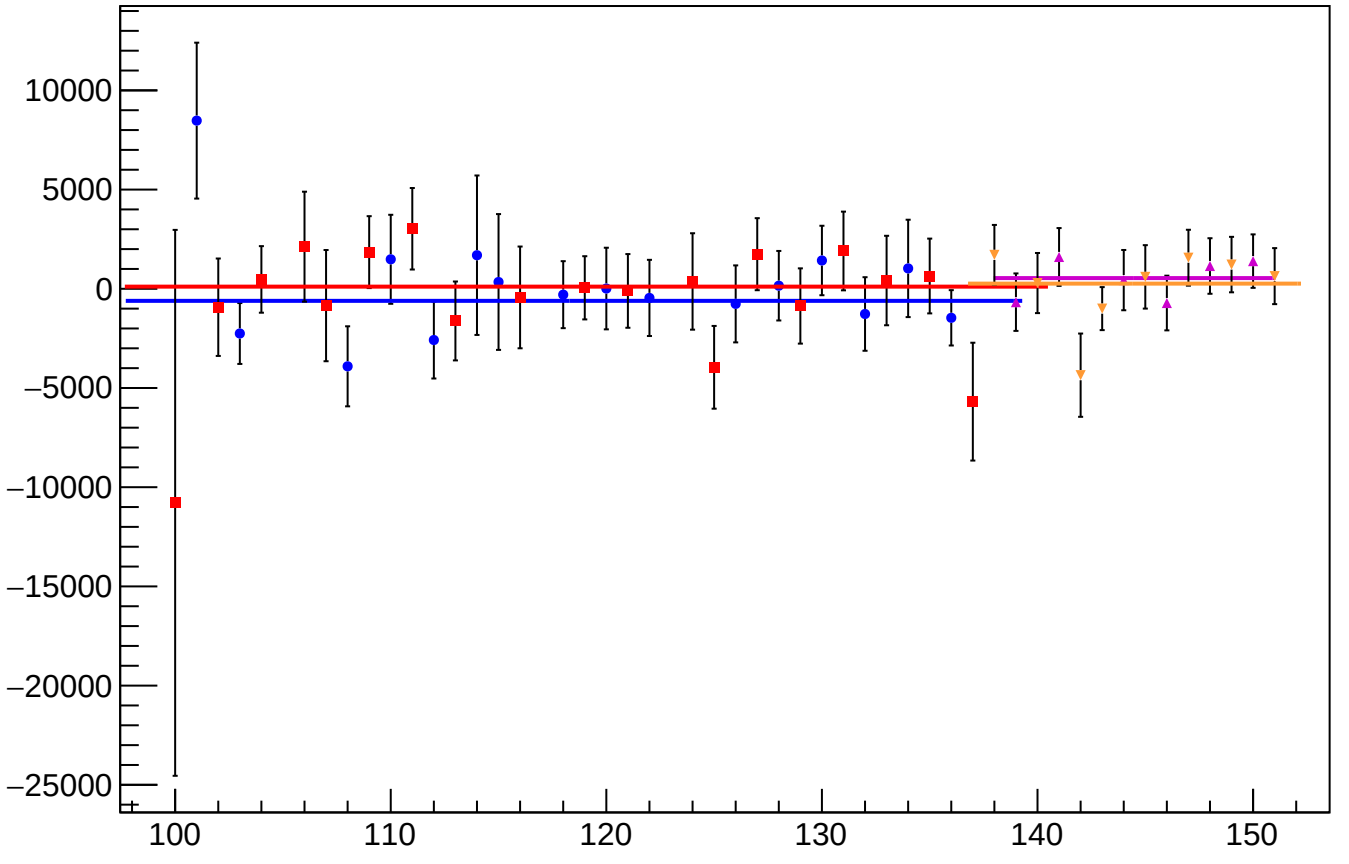
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3565.422+/-1.106 χ^2/NDF:88295.0/5

+ sign 3146.049+/-0.631 χ^2/NDF: 1729169.7/23

All: 3214.041+/-0.458 χ^2/NDF: 2589138.3/48

- sign 3290.142+/-0.667 χ^2/NDF: 835335.7/24



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 260.523+/-508.892 χ^2/NDF:8.6/7

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

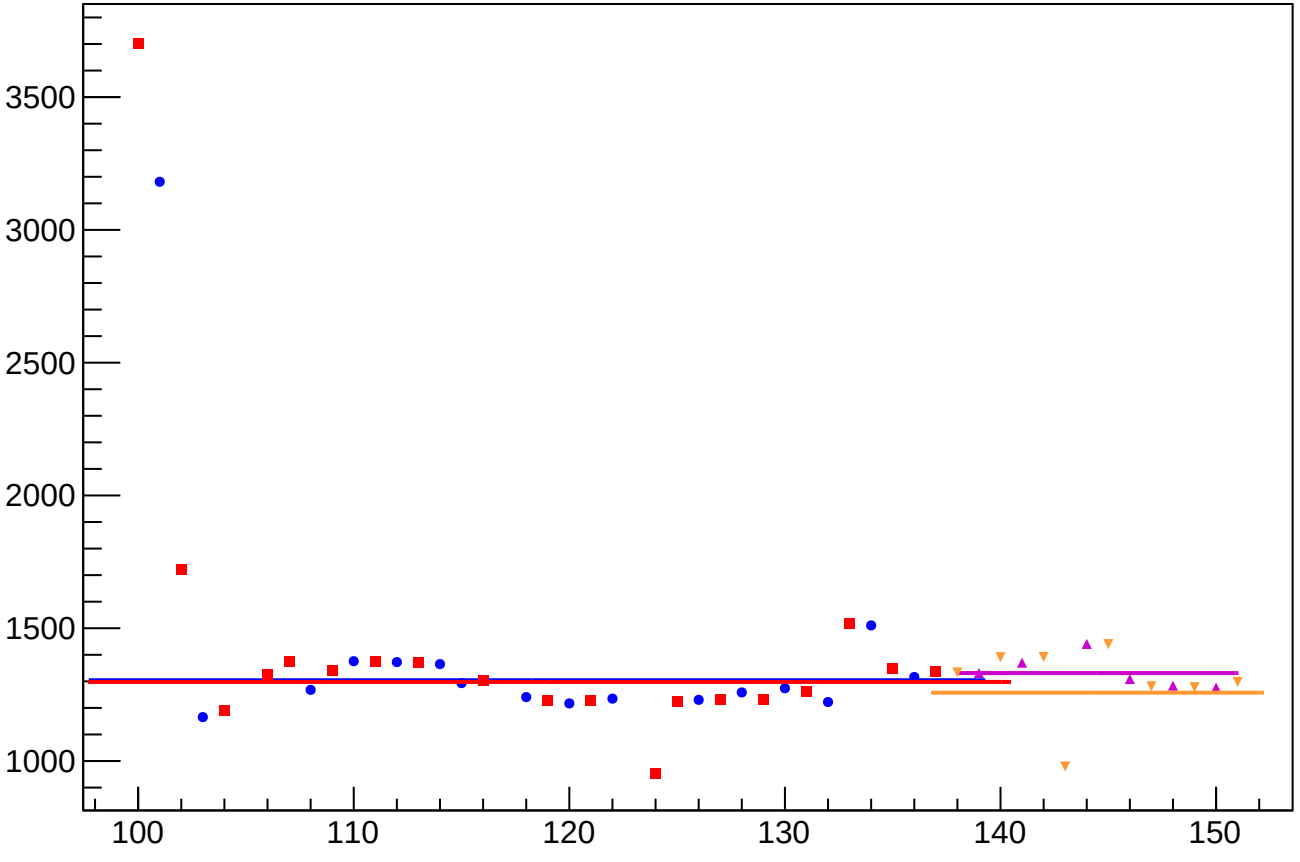
Left In: 539.145+/-580.335 χ^2/NDF:2.7/5

+ sign -186.385+/-354.526 χ^2/NDF: 24.2/23

All: 38.150+/-256.774 χ^2/NDF: 42.9/48

- sign 285.895+/-372.399 χ^2/NDF: 17.9/24

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1257.332+/-0.360 χ^2/NDF:189333.3/7

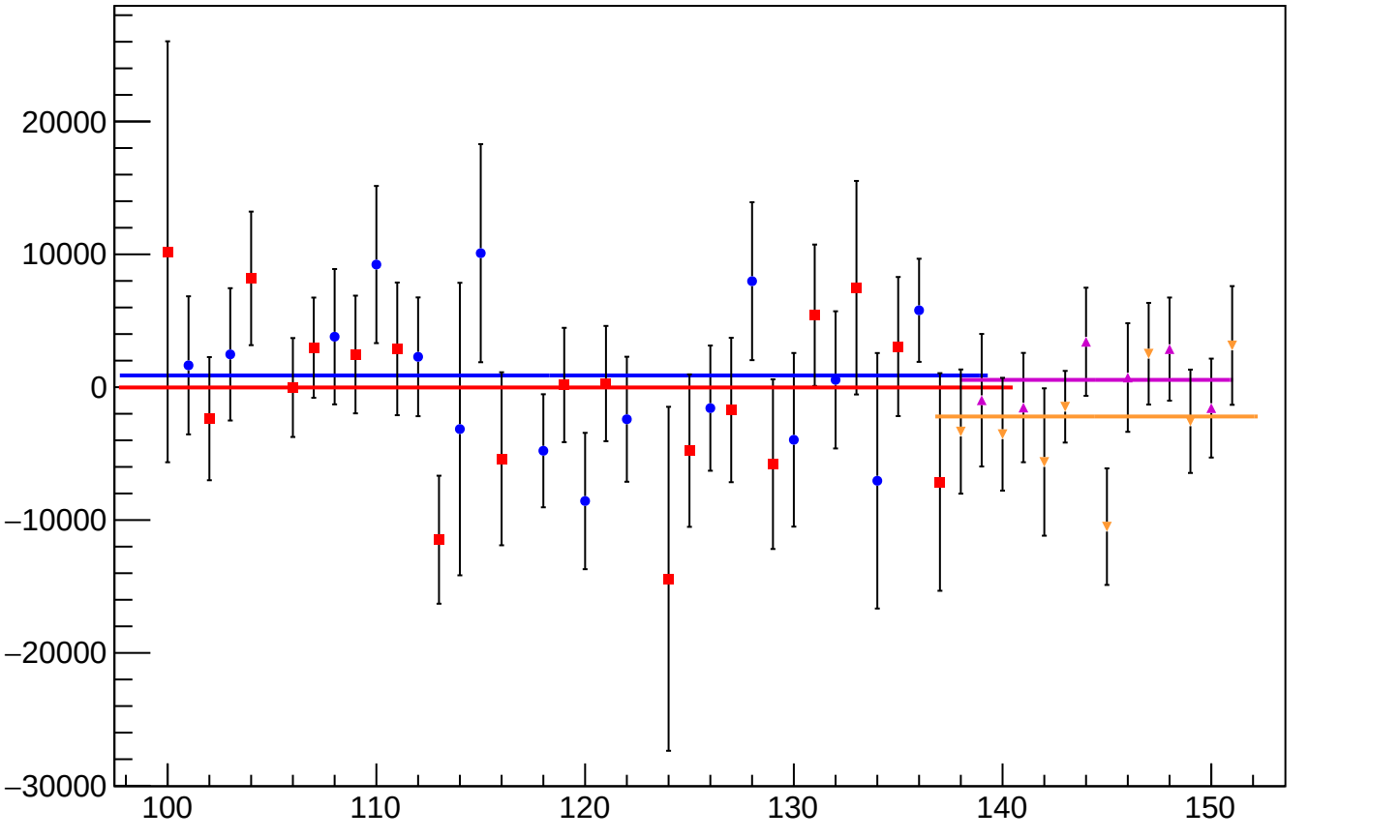
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1331.283+/-0.410 χ^2/NDF:18010.4/5

+ sign 1281.403+/-0.251 χ^2/NDF: 708617.1/23

All: 1295.753+/-0.182 χ^2/NDF: 950533.0/48

- sign 1311.573+/-0.263 χ^2/NDF: 235026.8/24



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -2205.955+/-1403.445 χ^2/NDF:7.2/7

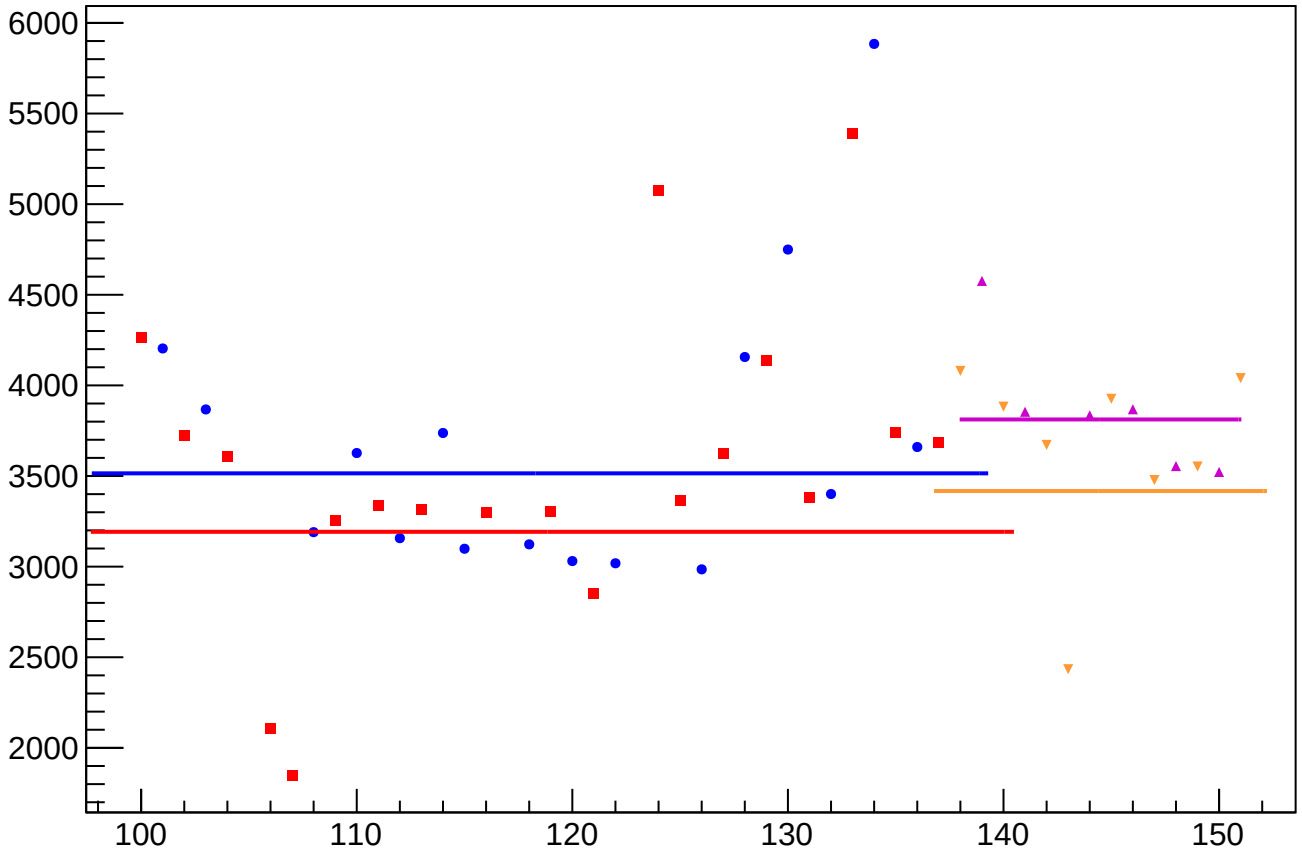
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 550.568+/-1670.988 χ^2/NDF:1.5/5

+ sign -574.967+/-964.377 χ^2/NDF: 23.8/23

All: -204.628+/-685.541 χ^2/NDF: 42.6/48

- sign 173.689+/-974.709 χ^2/NDF: 18.4/24



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3417.290+/-0.992 χ^2/NDF:402928.5/7

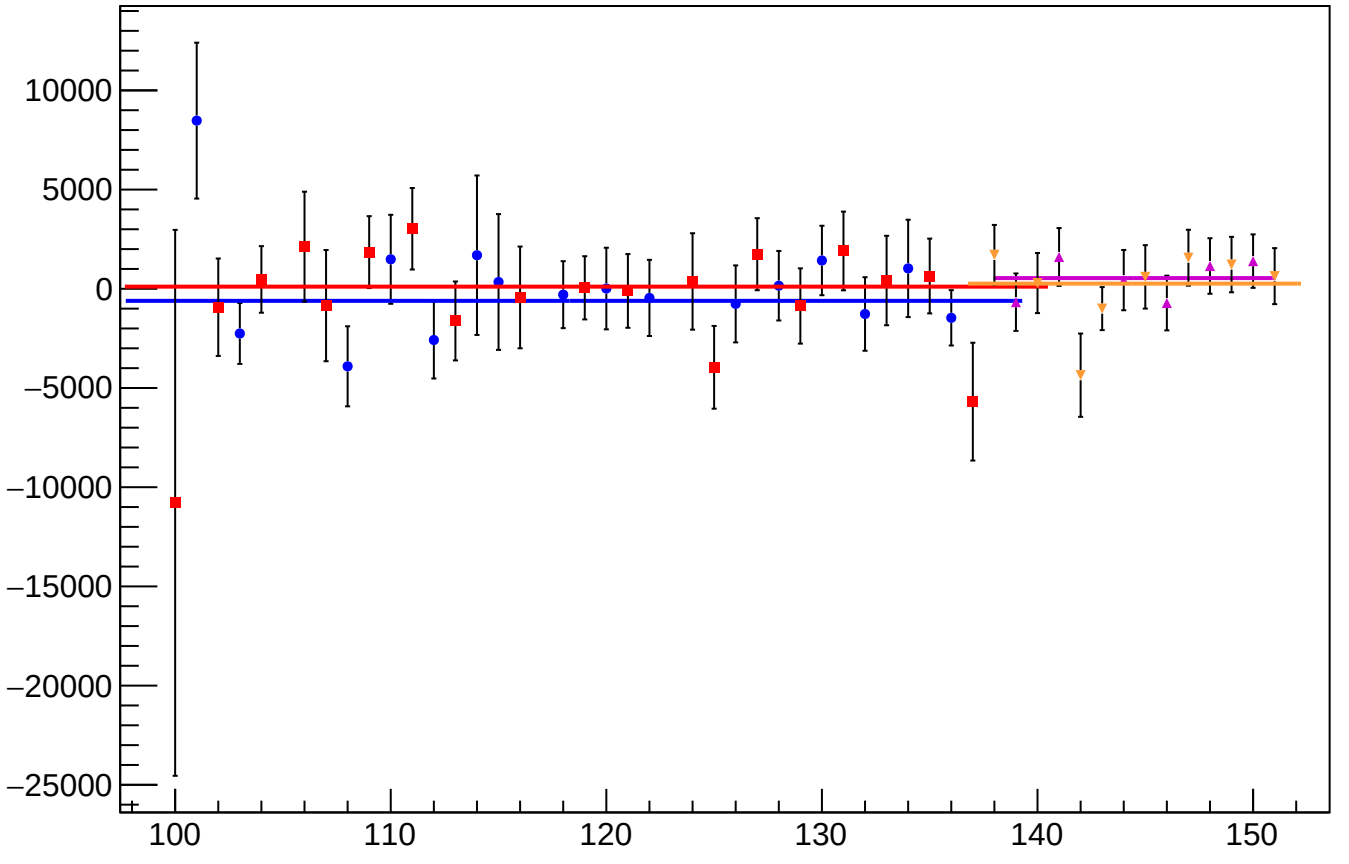
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 3812.116+/-1.182 χ^2/NDF:68525.5/5

+ sign 3468.730+/-0.682 χ^2/NDF: 783097.4/23

All: 3436.280+/-0.485 χ^2/NDF: 1810298.4/48

- sign 3403.131+/-0.689 χ^2/NDF: 1022623.3/24



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 260.521+/-508.892 χ^2/NDF:8.6/7

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

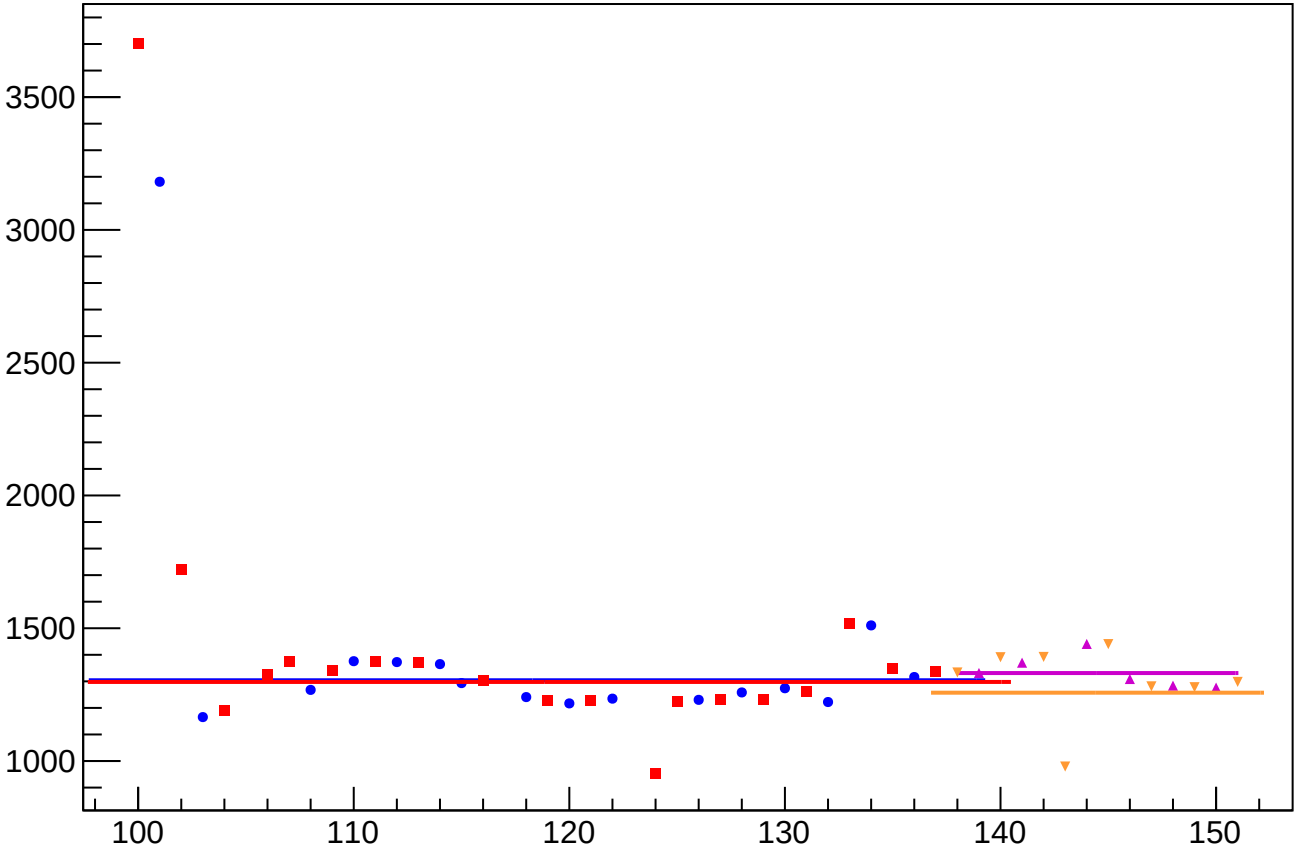
Left In: 539.145+/-580.336 χ^2/NDF:2.7/5

+ sign -186.388+/-354.526 χ^2/NDF: 24.2/23

All: 38.150+/-256.774 χ^2/NDF: 42.9/48

- sign 285.898+/-372.399 χ^2/NDF: 17.9/24

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1257.333+/-0.360 χ^2/NDF:189333.5/7

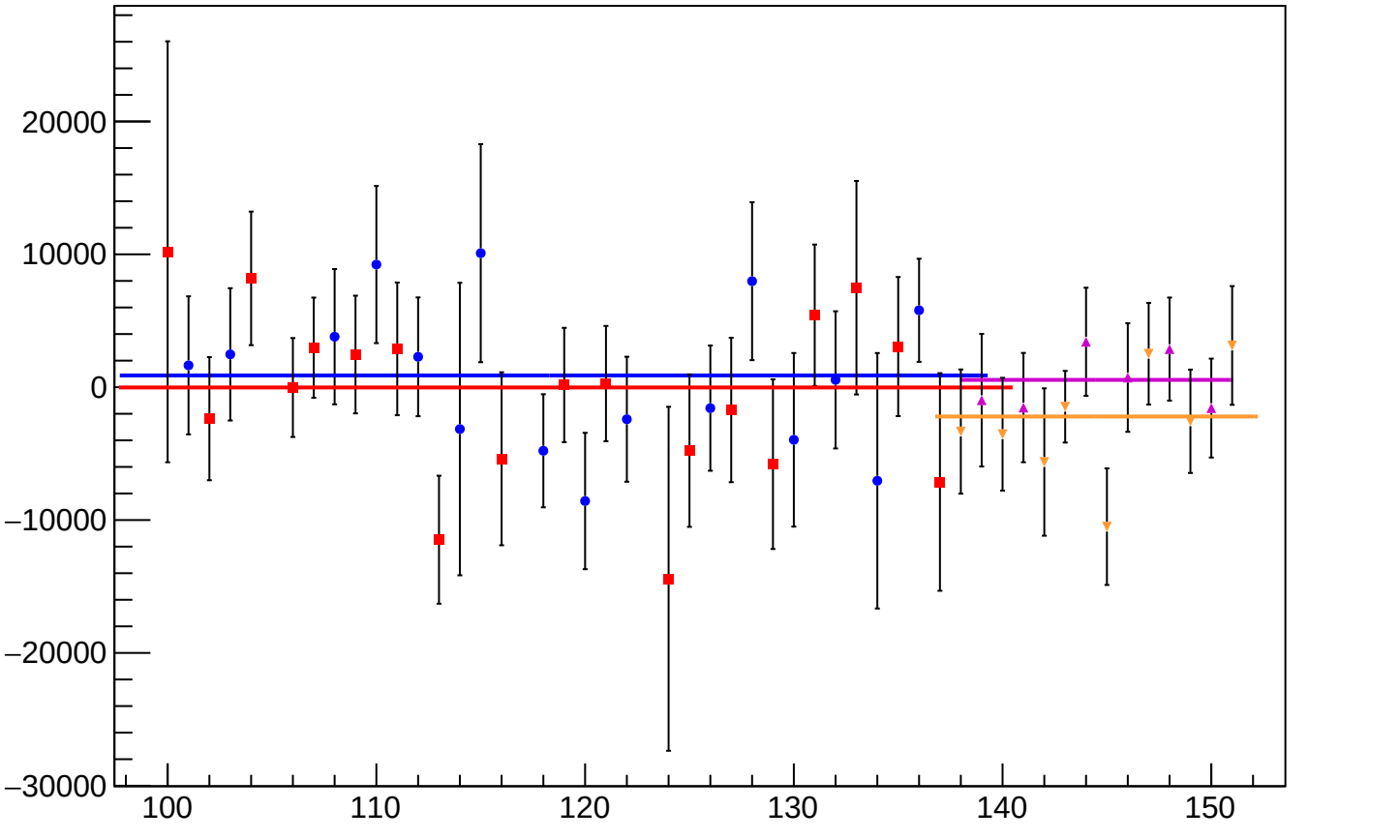
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1331.284+/-0.410 χ^2/NDF:18010.5/5

+ sign 1281.403+/-0.251 χ^2/NDF: 708617.1/23

All: 1295.754+/-0.182 χ^2/NDF: 950533.4/48

- sign 1311.573+/-0.263 χ^2/NDF: 235027.2/24



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -2205.954+/-1403.447 χ^2/NDF:7.2/7

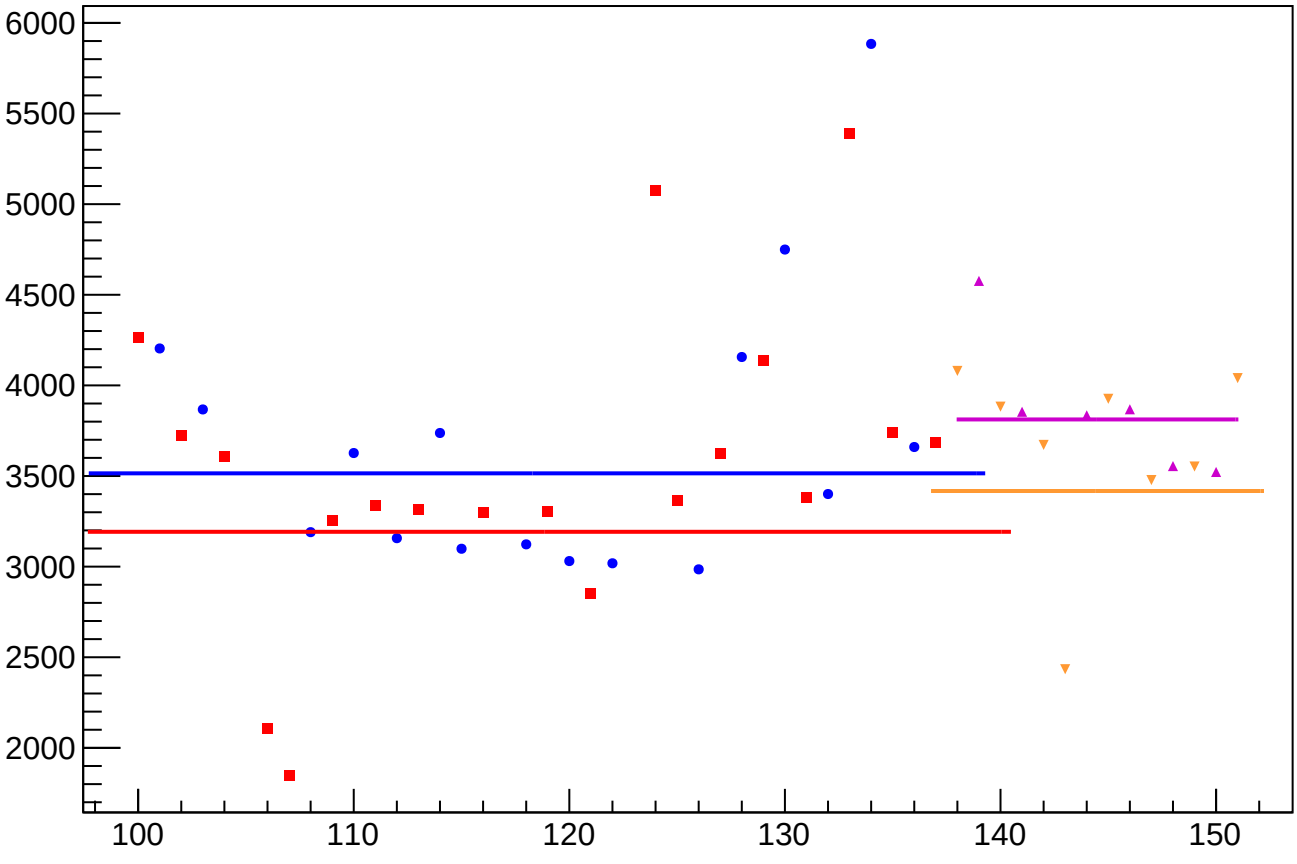
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 550.566+/-1670.990 χ^2/NDF:1.5/5

\+ sign -574.966+/-964.376 χ^2/NDF: 23.8/23

All: -204.627+/-685.541 χ^2/NDF: 42.6/48

\- sign 173.690+/-974.708 χ^2/NDF: 18.4/24



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3417.295+/-0.992 χ^2/NDF:402928.8/7

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

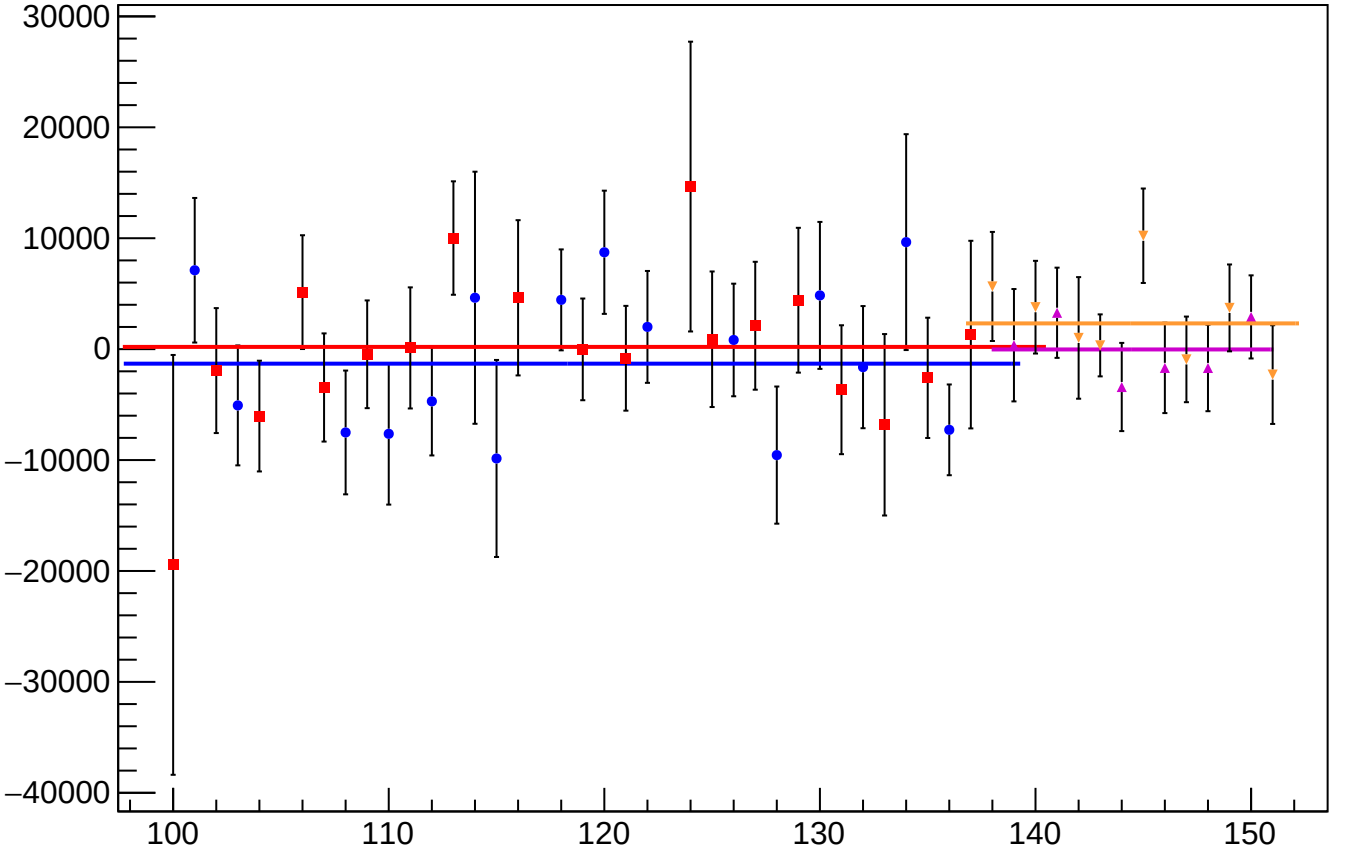
Left In: 3812.121+/-1.182 χ^2/NDF:68526.6/5

+ sign 3468.727+/-0.682 χ^2/NDF: 783100.4/23

All: 3436.277+/-0.485 χ^2/NDF: 1810312.5/48

- sign 3403.127+/-0.689 χ^2/NDF: 1022634.1/24

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 2321.366+/-1417.221 χ^2/NDF:6.5/7

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

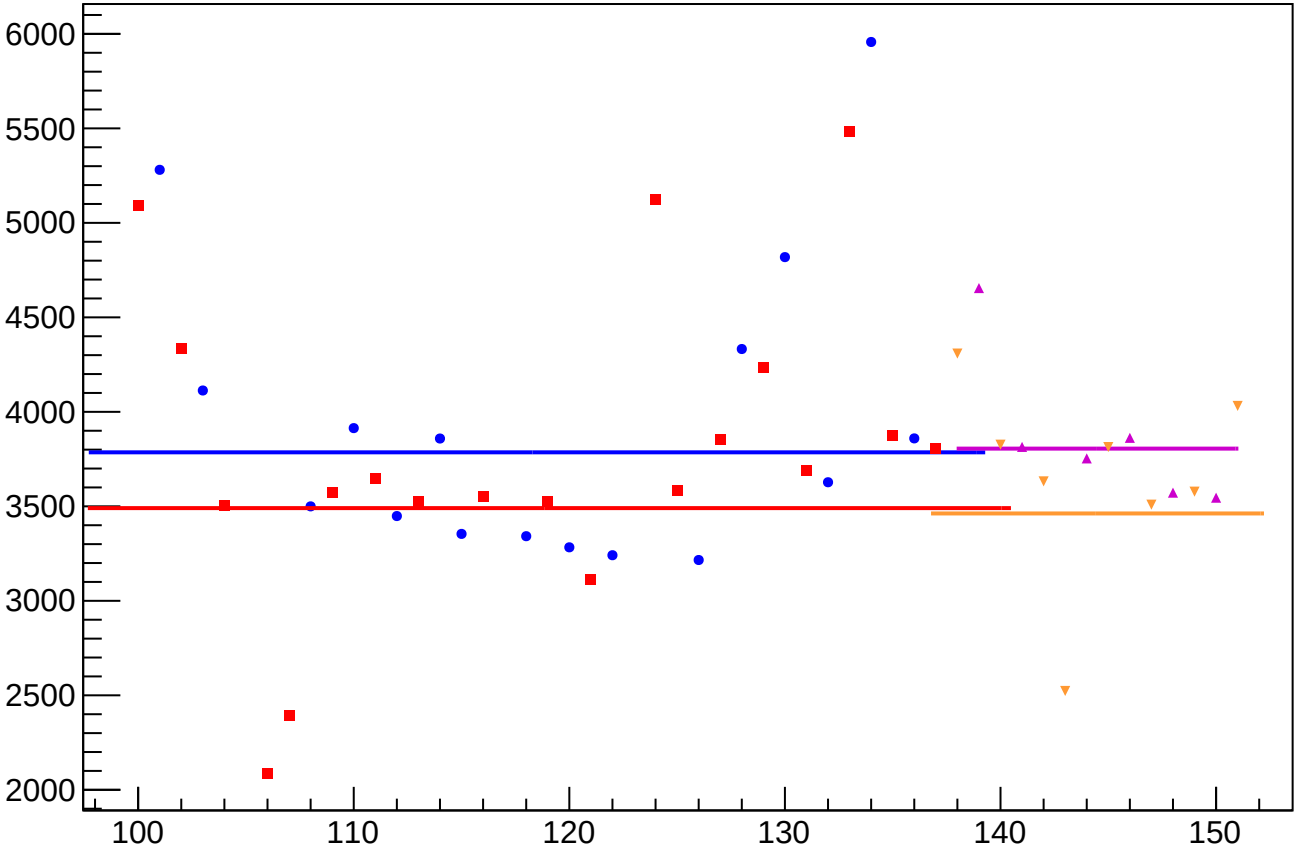
Left In: -27.820+/-1666.900 χ^2/NDF:2.4/5

+ sign 524.364+/-1007.180 χ^2/NDF: 27.3/23

All: 325.220+/-724.353 χ^2/NDF: 41.4/48

- sign 111.858+/-1042.513 χ^2/NDF: 14.0/24

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3462.341+/-1.002 χ^2/NDF:350486.3/7

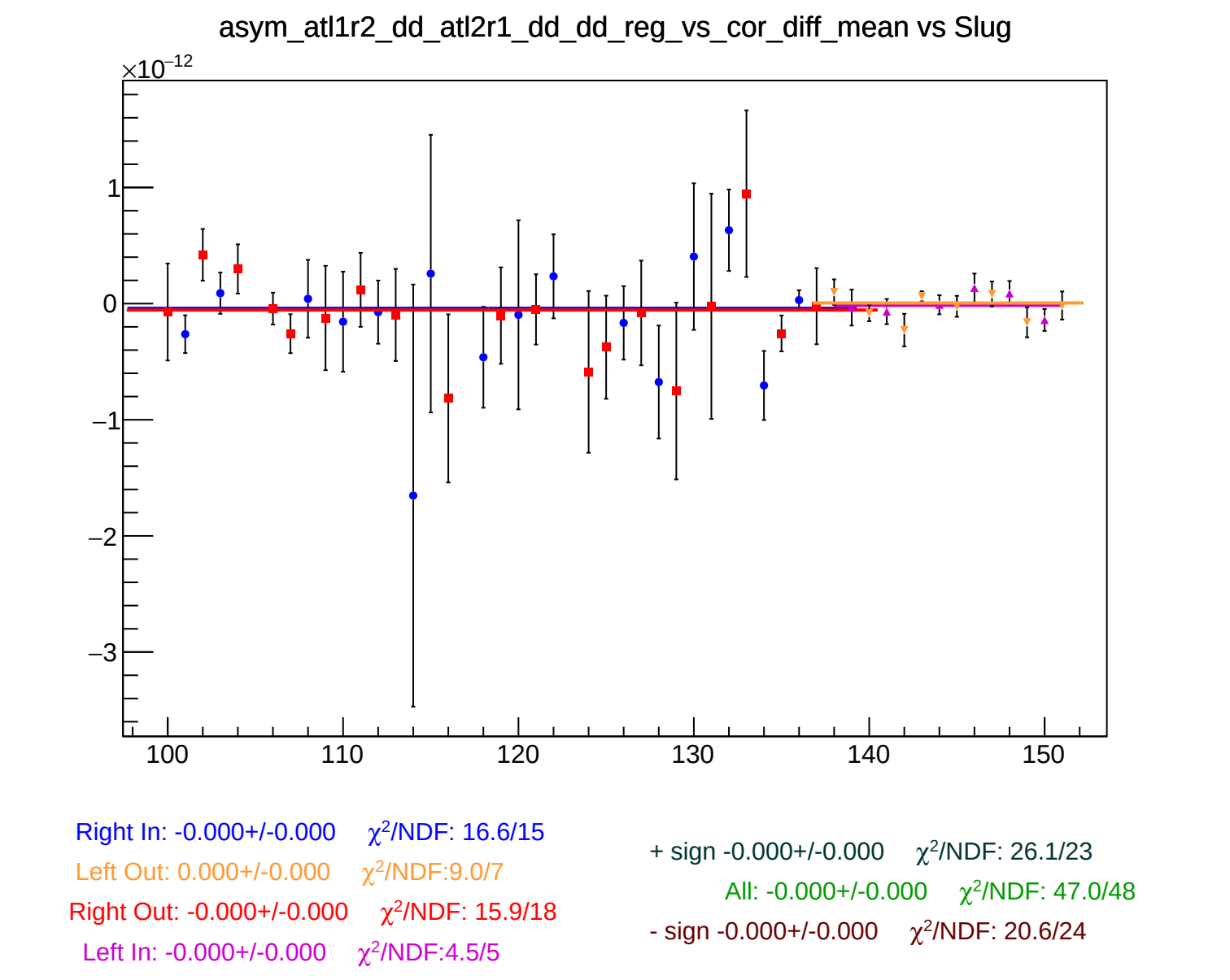
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

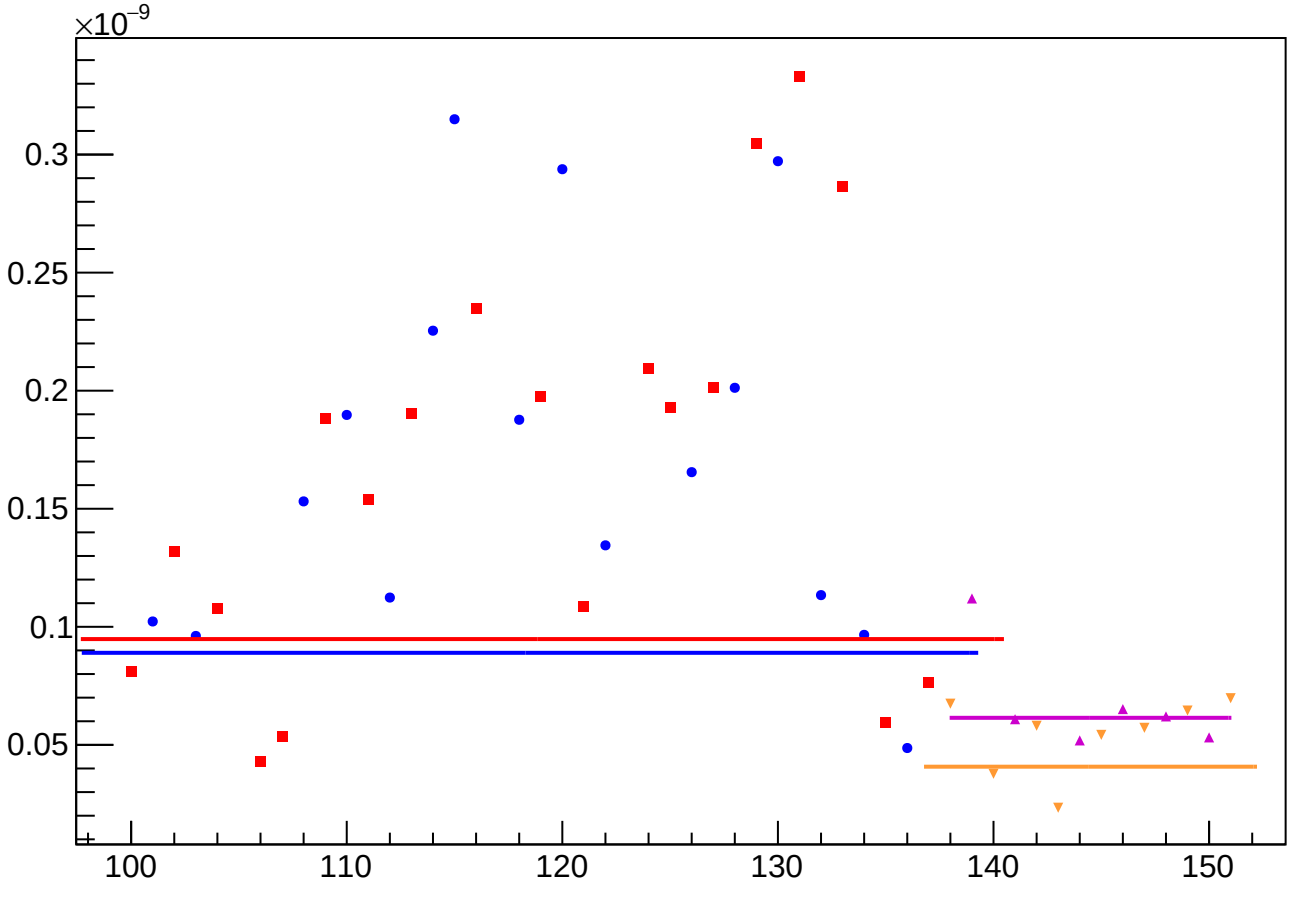
Left In: 3805.447+/-1.179 χ^2/NDF:73749.7/5

\+ sign 3622.424+/-0.712 χ^2/NDF: 785035.5/23

All: 3617.206+/-0.510 χ^2/NDF: 1489514.8/48

\- sign 3611.709+/-0.731 χ^2/NDF: 704369.1/24


asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
1
0
−1
−2
−3
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: 0.000+/-0.000 χ²/NDF:9.0/7
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: -0.000+/-0.000 χ²/NDF:4.5/5
+ sign -0.000+/-0.000 χ²/NDF: 26.1/23
All: -0.000+/-0.000 χ²/NDF: 47.0/48
- sign -0.000+/-0.000 χ²/NDF: 20.6/24



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:740129.3/7

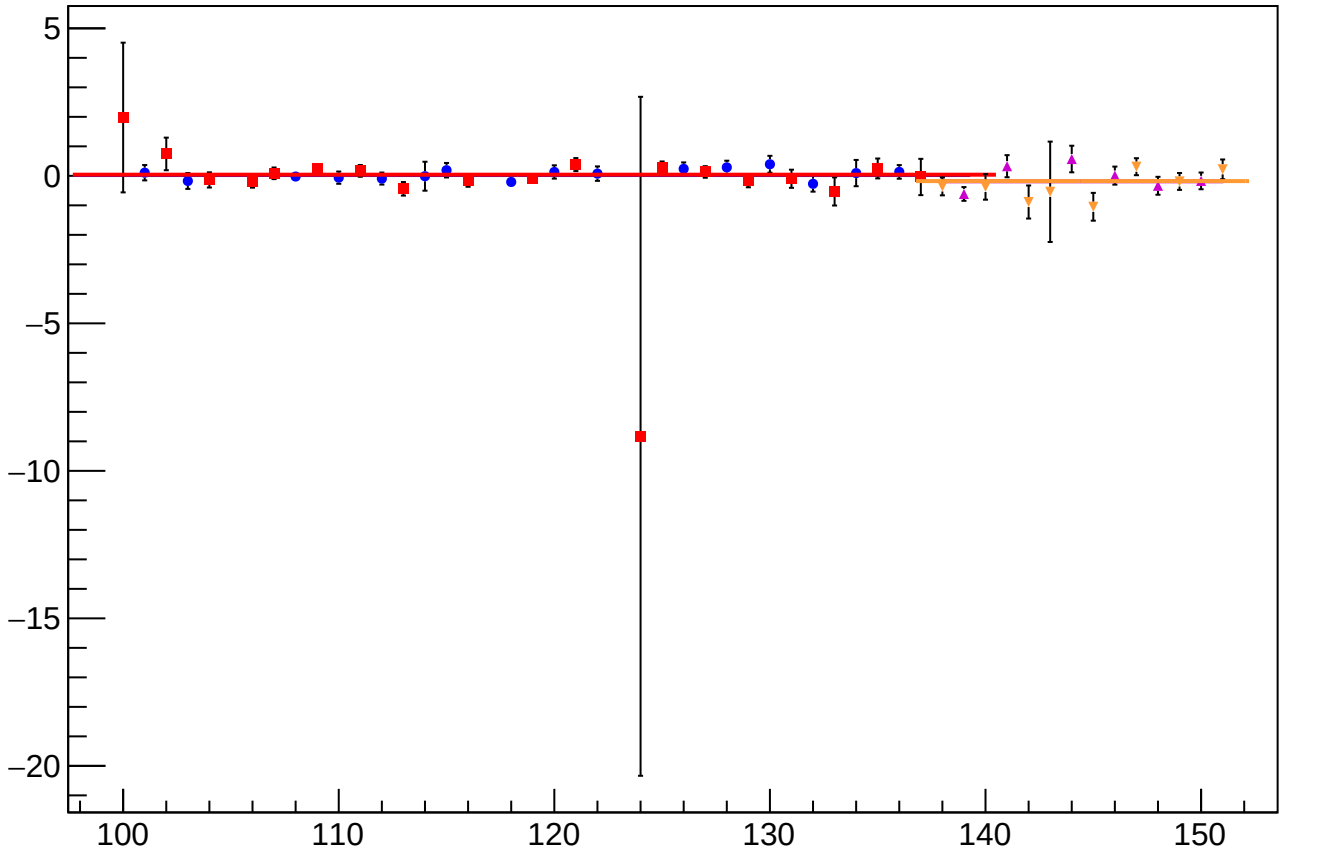
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:257986.9/5

+ sign 0.000+/-0.000 χ^2/NDF: 3277101.2/23

All: 0.000+/-0.000 χ^2/NDF: 6126519.3/48

- sign 0.000+/-0.000 χ^2/NDF: 2367018.6/24



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.178+/-0.132 χ^2/NDF:9.9/7

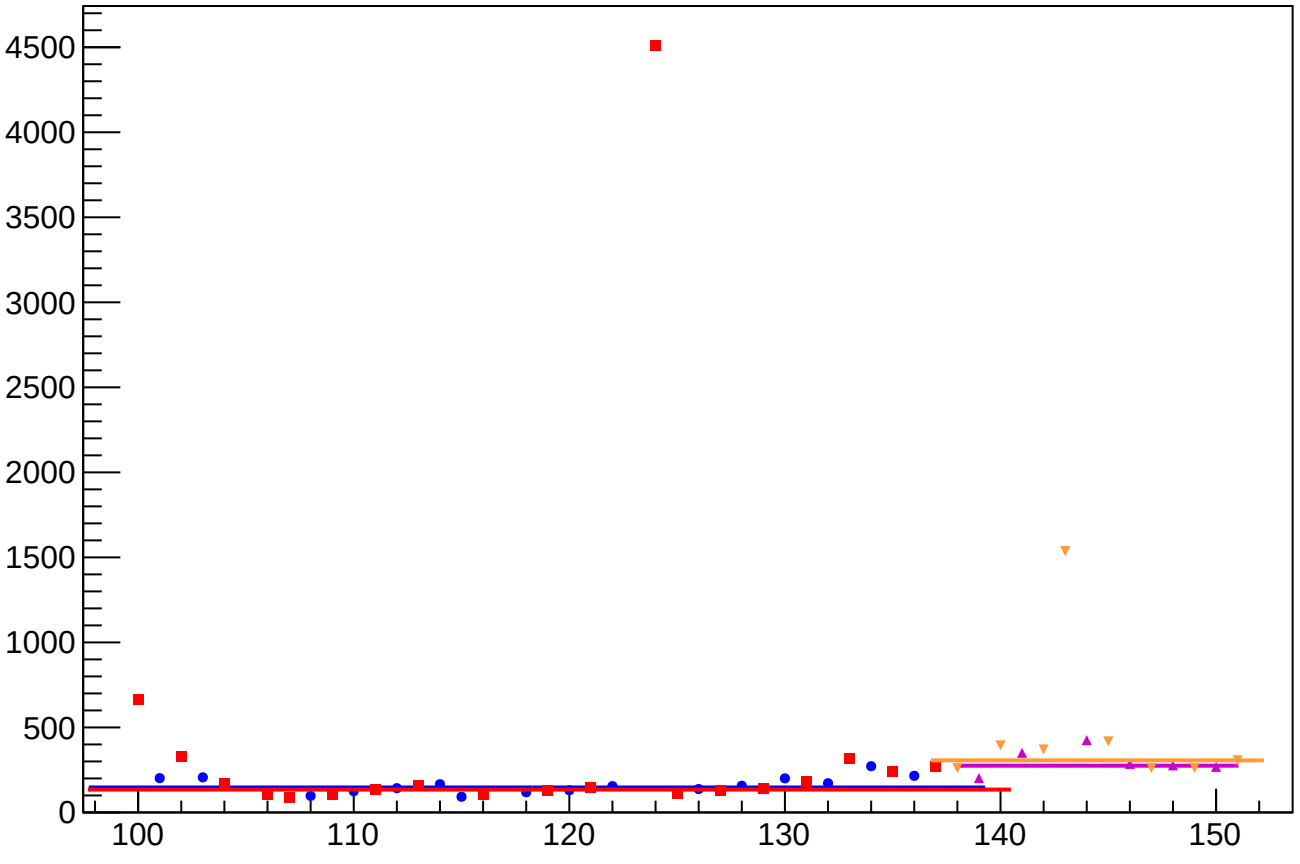
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.184+/-0.125 χ^2/NDF:8.7/5

+ sign -0.005+/-0.053 χ^2/NDF: 21.4/23

All: -0.001+/-0.036 χ^2/NDF: 52.8/48

- sign 0.003+/-0.050 χ^2/NDF: 31.4/24



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 306.407+/-0.093 χ^2/NDF:1411618.5/7

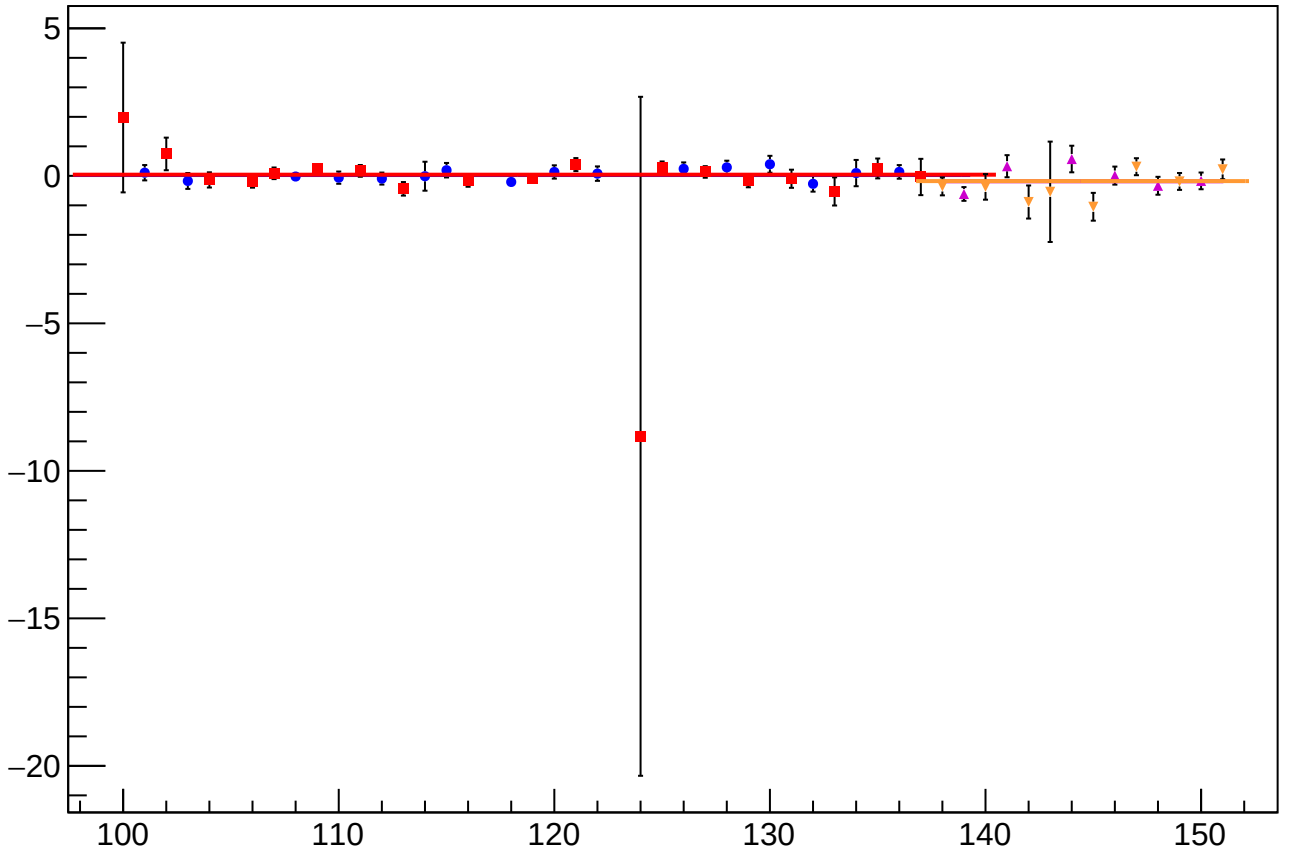
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 274.992+/-0.088 χ^2/NDF:503505.9/5

+ sign 172.462+/-0.037 χ^2/NDF: 4867386.5/23

All: 164.473+/-0.026 χ^2/NDF: 9197143.7/48

- sign 157.285+/-0.035 χ^2/NDF: 4242984.4/24



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.178+/-0.132 χ^2/NDF:9.9/7

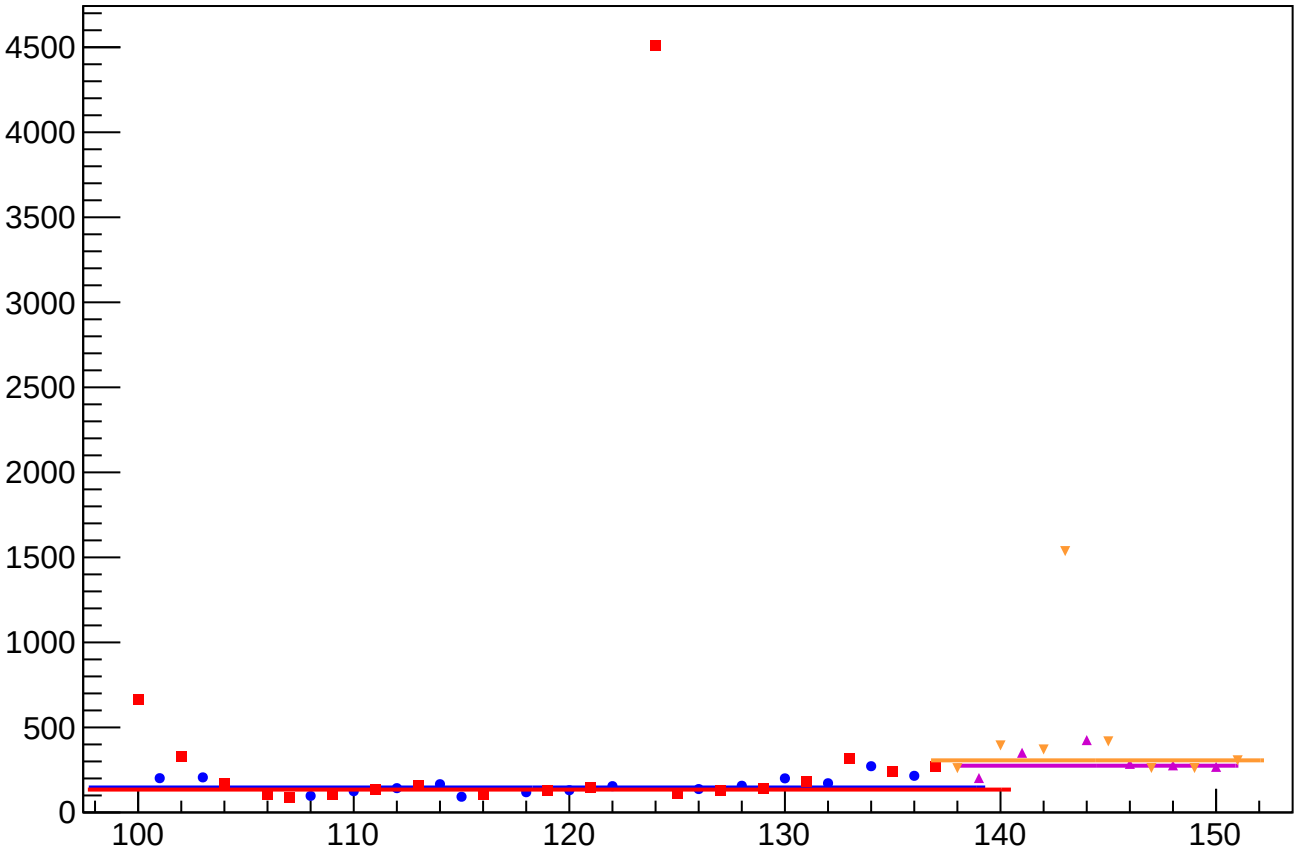
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.184+/-0.125 χ^2/NDF:8.7/5

+ sign -0.005+/-0.053 χ^2/NDF: 21.4/23

All: -0.001+/-0.036 χ^2/NDF: 52.8/48

- sign 0.003+/-0.050 χ^2/NDF: 31.4/24



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 306.407+/-0.093 χ^2/NDF:1411618.5/7

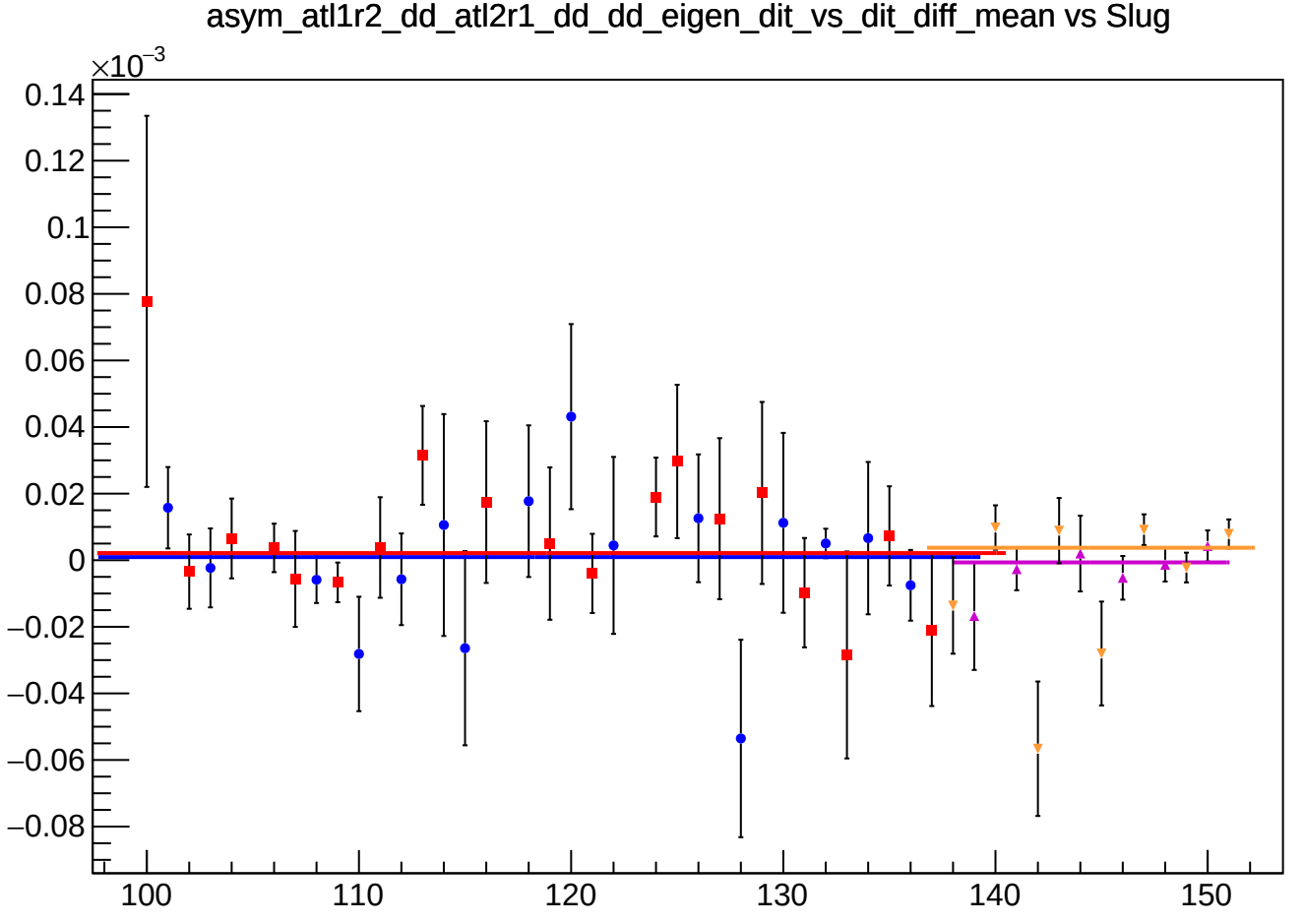
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 274.992+/-0.088 χ^2/NDF:503505.9/5

+ sign 172.462+/-0.037 χ^2/NDF: 4867386.5/23

All: 164.473+/-0.026 χ^2/NDF: 9197143.7/48

- sign 157.285+/-0.035 χ^2/NDF: 4242984.4/24



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/7

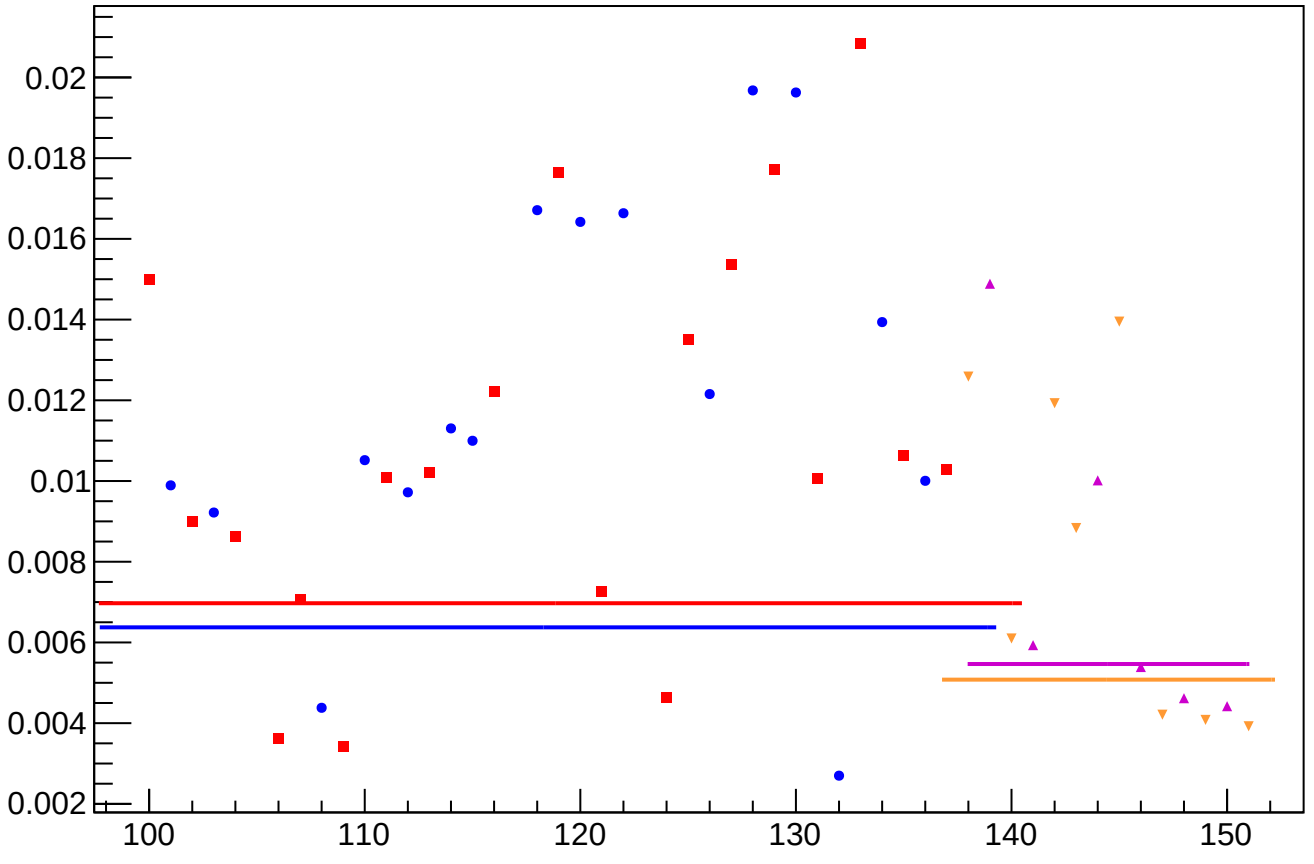
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:2.8/5

+ sign 0.000+/-0.000 χ^2/NDF: 35.1/23

All: 0.000+/-0.000 χ^2/NDF: 55.1/48

- sign 0.000+/-0.000 χ^2/NDF: 19.3/24



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:2067666.8/7

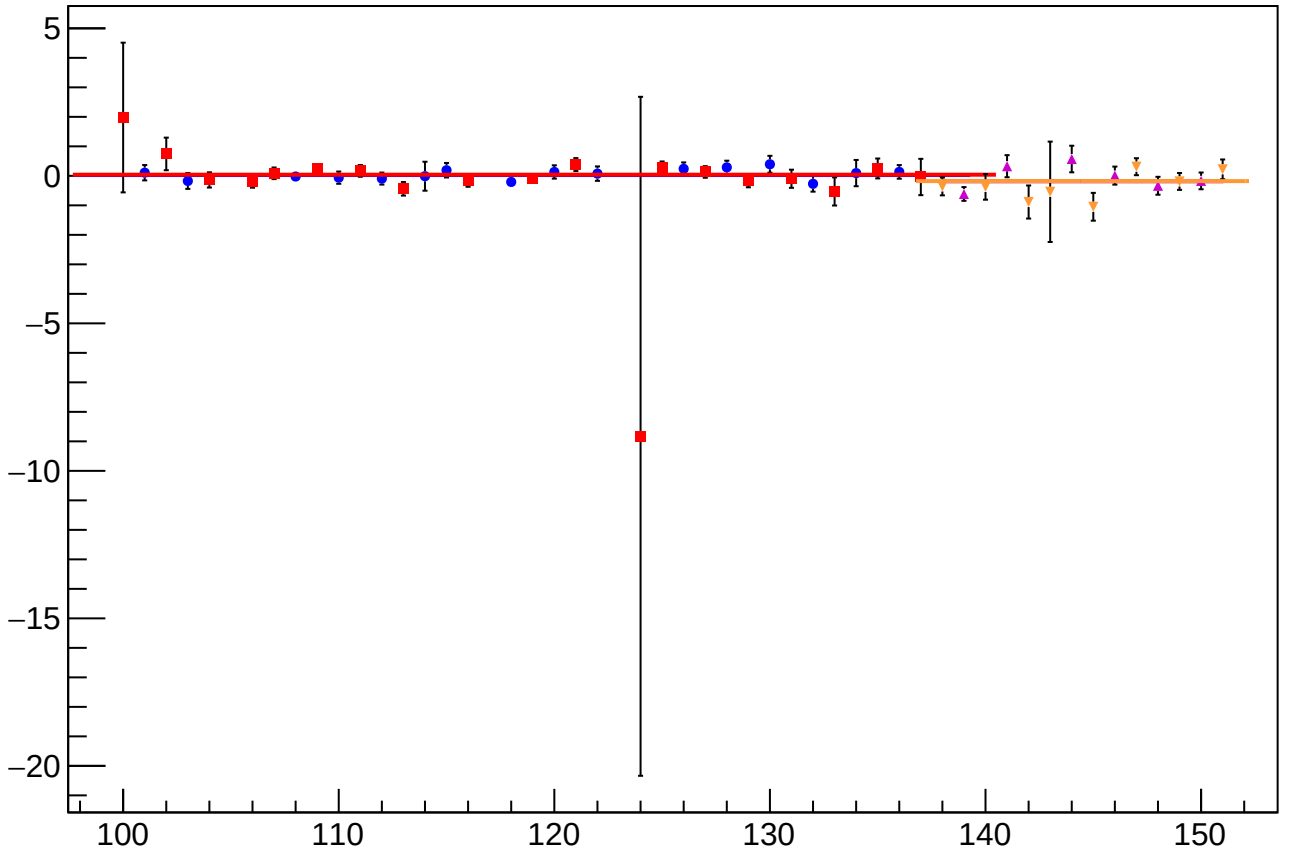
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:1164361.1/5

+ sign 0.006+/-0.000 χ^2/NDF: 6951953.1/23

All: 0.006+/-0.000 χ^2/NDF: 11894675.5/48

- sign 0.006+/-0.000 χ^2/NDF: 4857972.0/24



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.178+/-0.132 χ^2/NDF:9.9/7

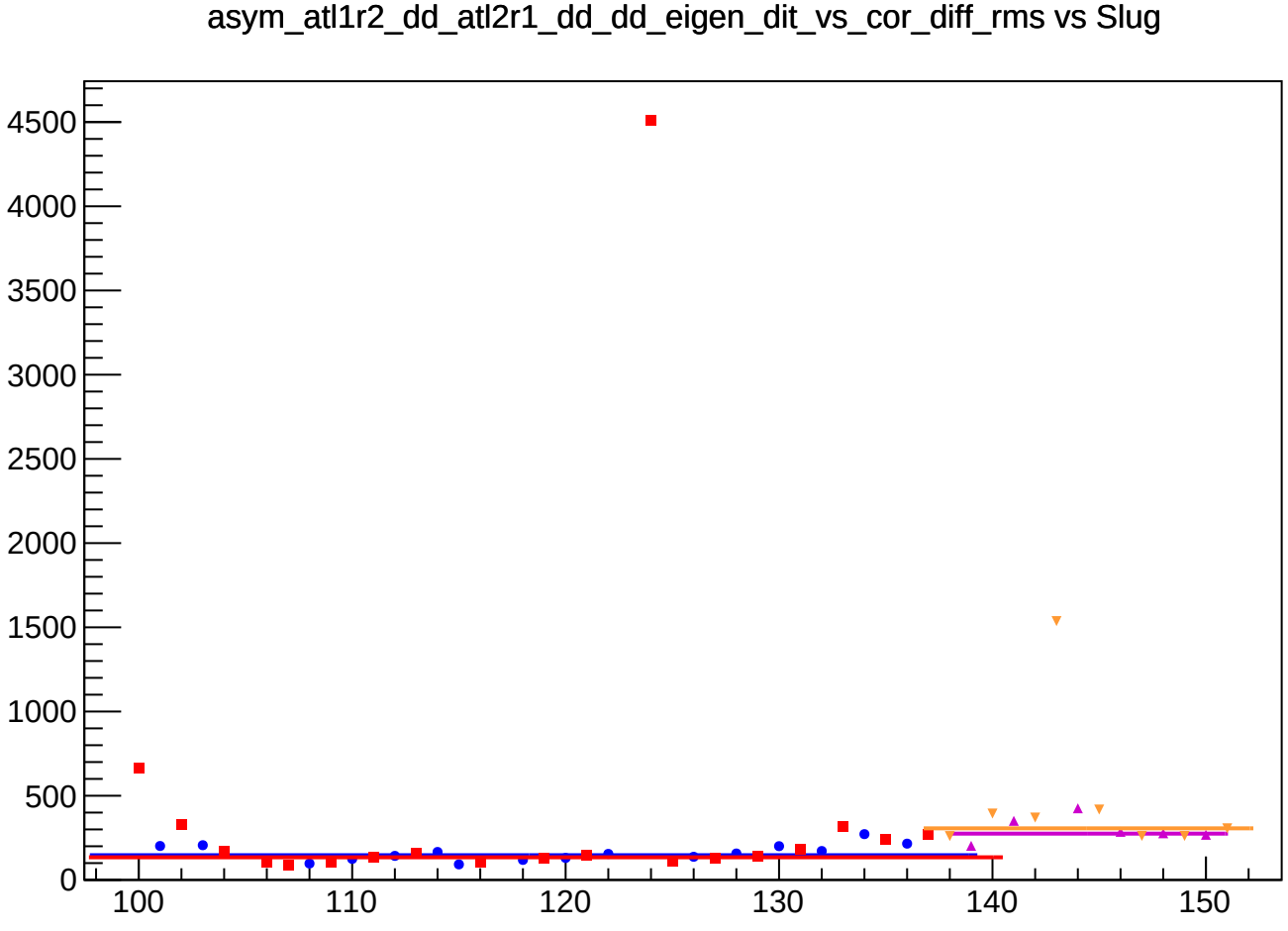
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.184+/-0.125 χ^2/NDF:8.7/5

+ sign -0.005+/-0.053 χ^2/NDF: 21.4/23

All: -0.001+/-0.036 χ^2/NDF: 52.8/48

- sign 0.003+/-0.050 χ^2/NDF: 31.4/24



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 306.410+/-0.093 χ^2/NDF:1411617.0/7

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

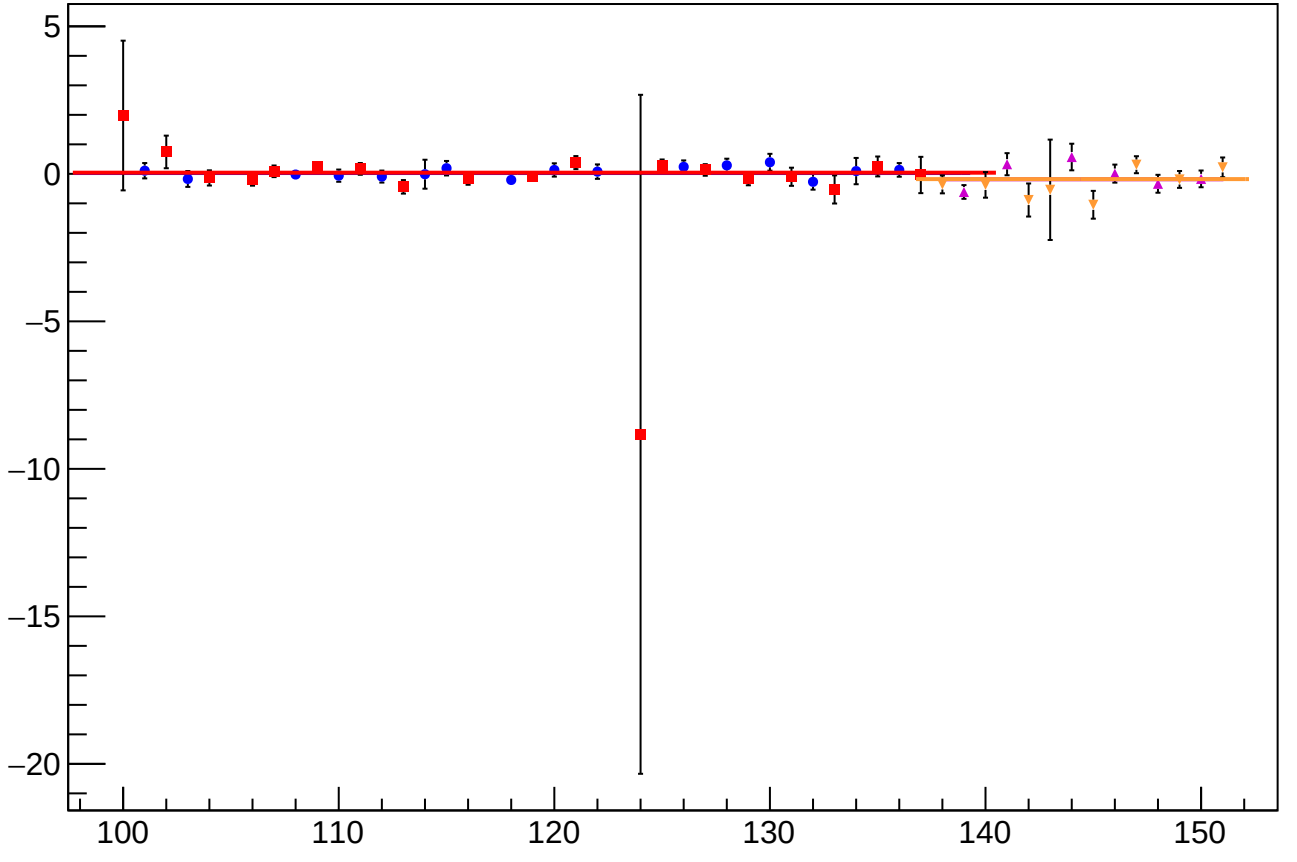
Left In: 274.996+/-0.088 χ^2/NDF:503488.5/5

+ sign 172.462+/-0.037 χ^2/NDF: 4867385.2/23

All: 164.474+/-0.026 χ^2/NDF: 9197062.1/48

- sign 157.287+/-0.035 χ^2/NDF: 4242921.8/24

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: -0.178+/-0.132 χ^2/NDF:9.9/7

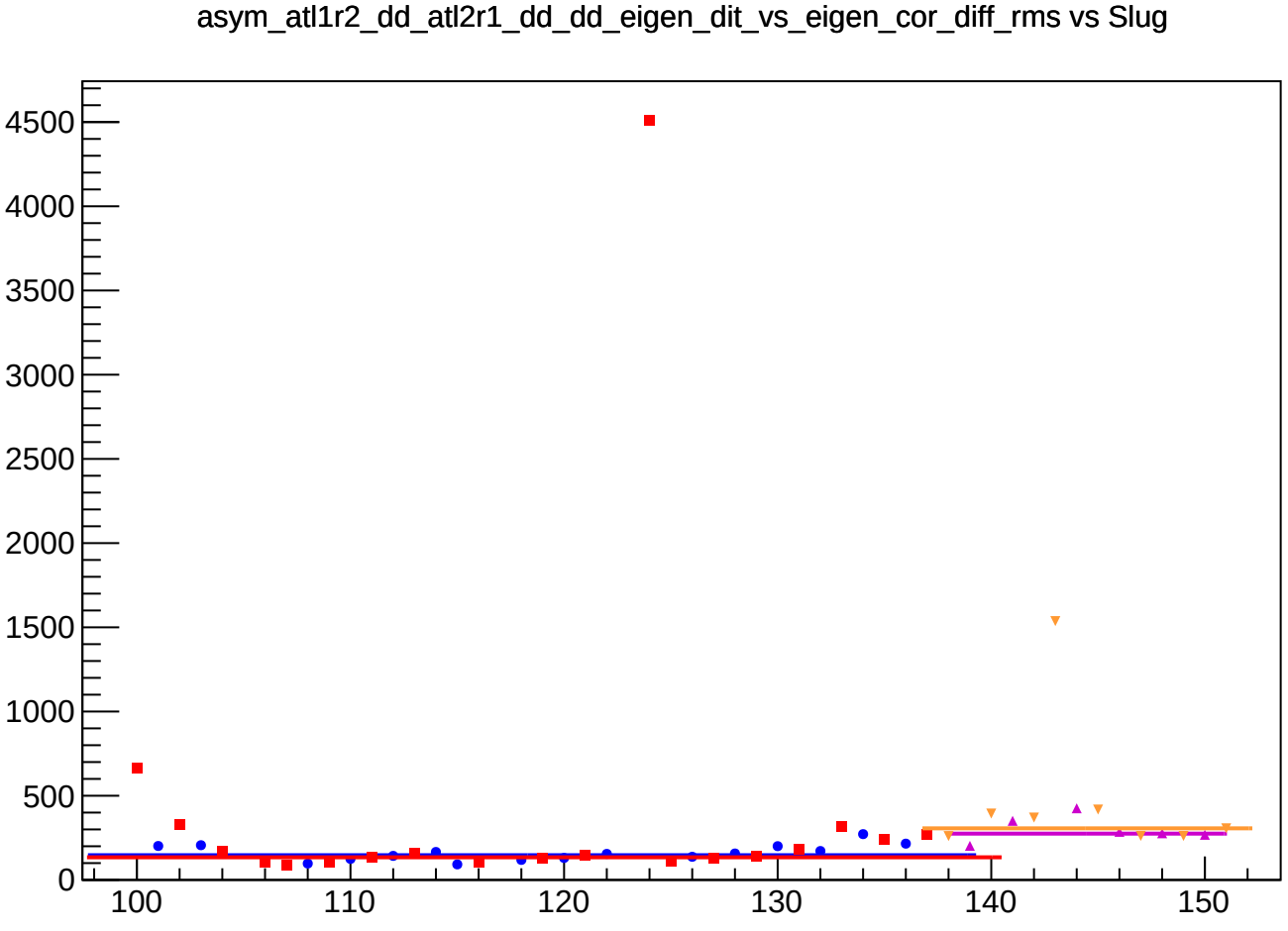
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.184+/-0.125 χ^2/NDF:8.7/5

+ sign -0.005+/-0.053 χ^2/NDF: 21.4/23

All: -0.001+/-0.036 χ^2/NDF: 52.8/48

- sign 0.003+/-0.050 χ^2/NDF: 31.4/24



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 306.410+/-0.093 χ^2/NDF:1411617.0/7

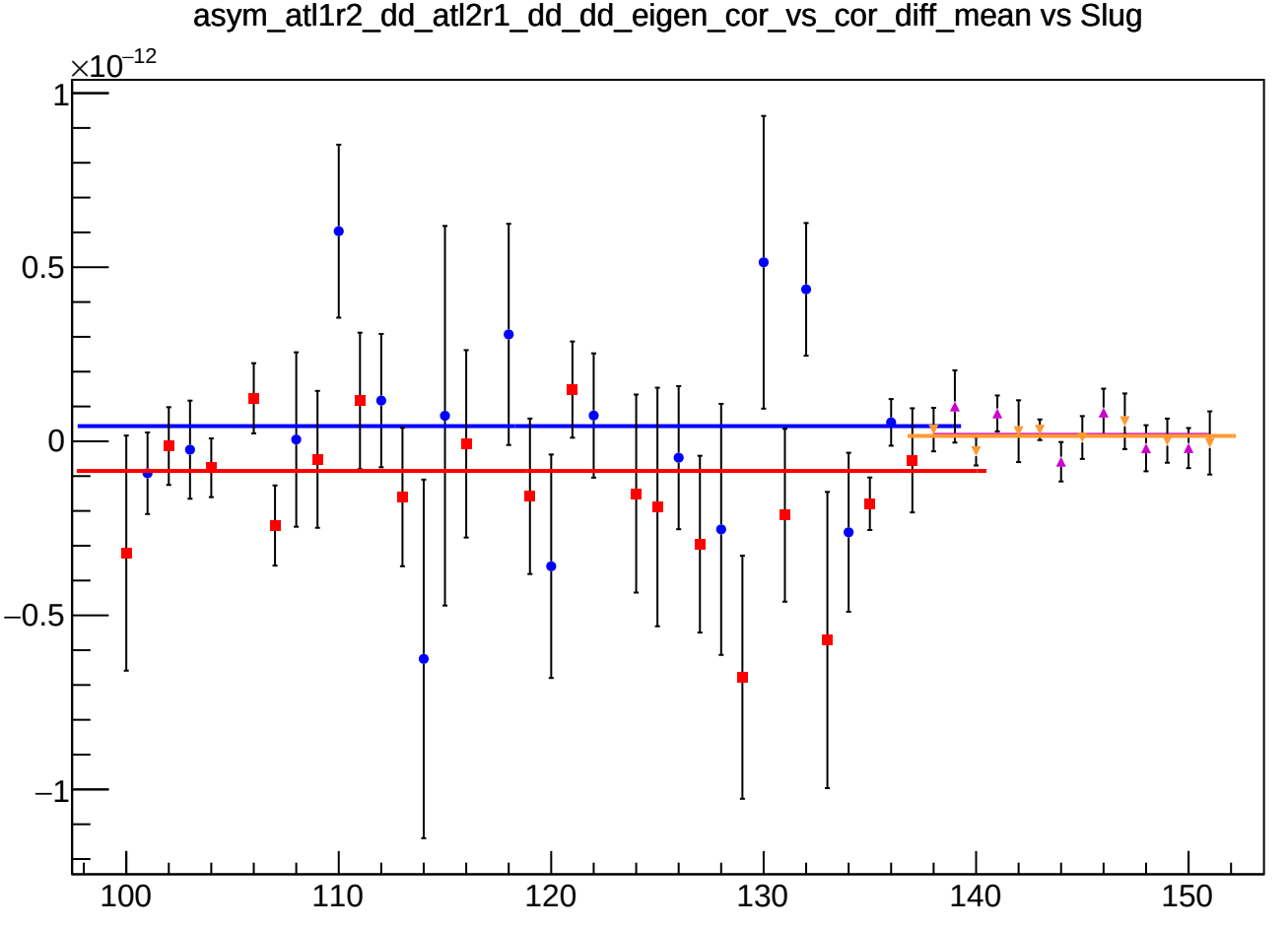
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 274.996+/-0.088 χ^2/NDF:503488.5/5

+ sign 172.462+/-0.037 χ^2/NDF: 4867385.2/23

All: 164.474+/-0.026 χ^2/NDF: 9197062.1/48

- sign 157.287+/-0.035 χ^2/NDF: 4242921.8/24



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.0/7

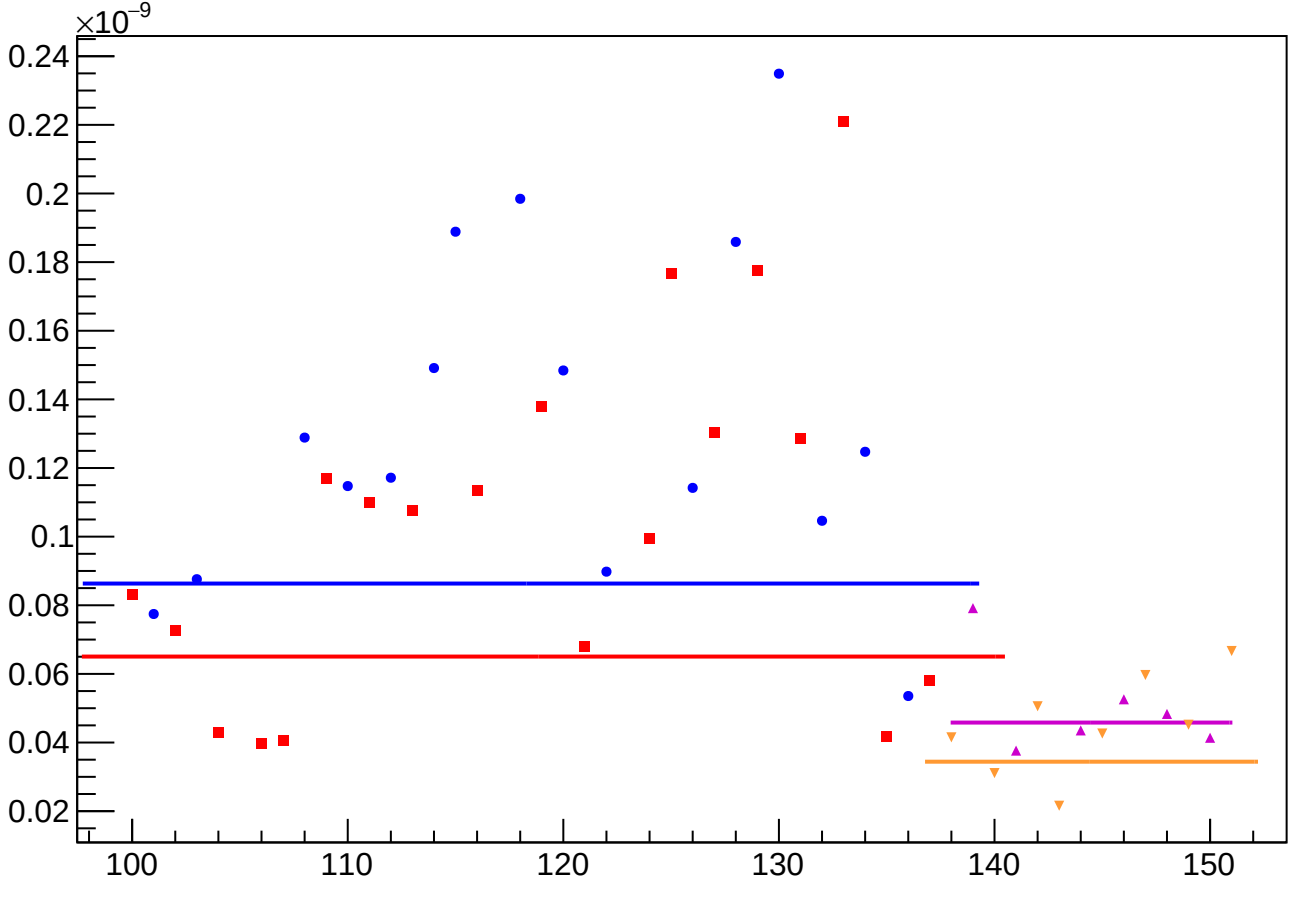
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:5.6/5

+ sign 0.000+/-0.000 χ^2/NDF: 21.3/23

All: 0.000+/-0.000 χ^2/NDF: 53.1/48

- sign -0.000+/-0.000 χ^2/NDF: 29.6/24



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1026181.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

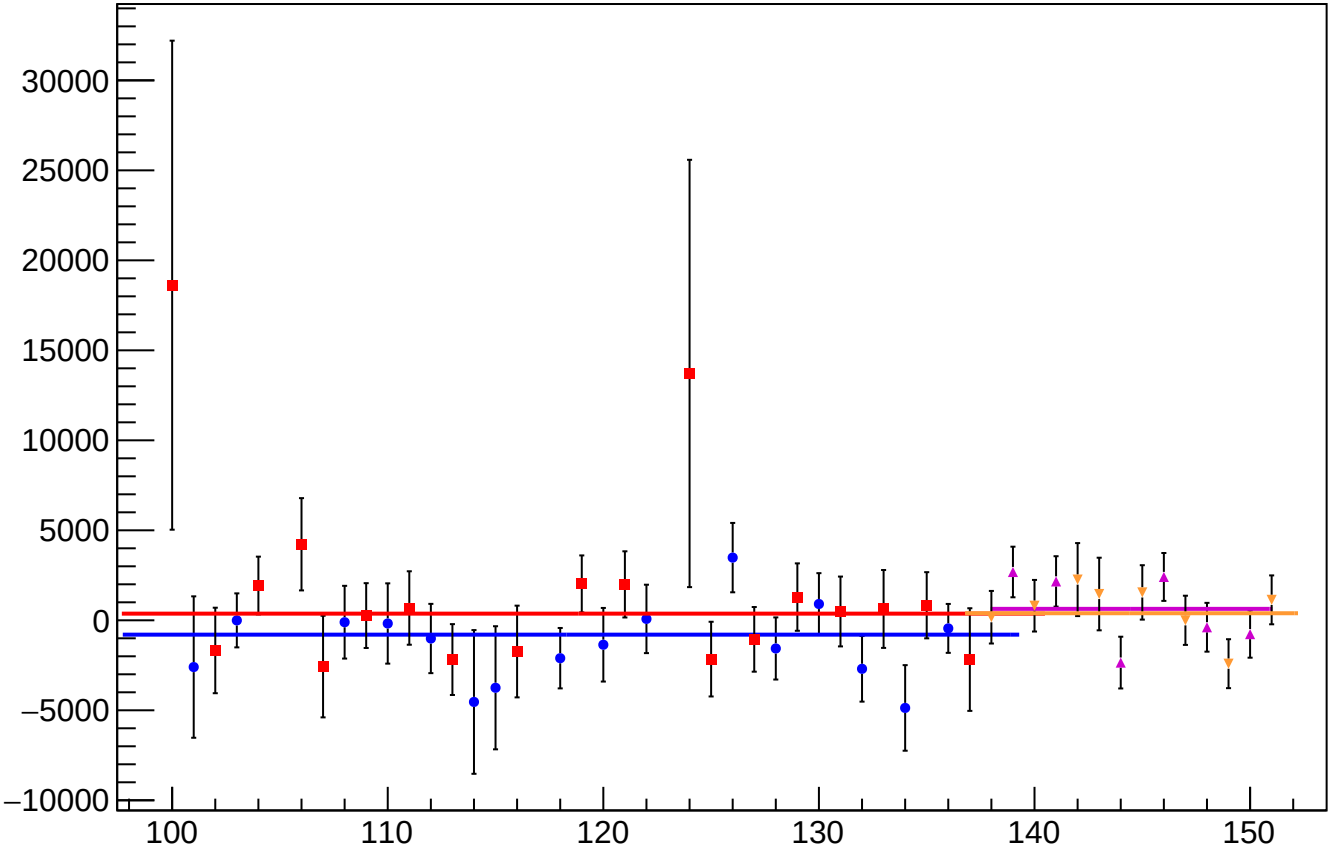
Left In: 0.000+/-0.000 χ^2/NDF:294185.6/5

+ sign 0.000+/-0.000 χ^2/NDF: 5075363.8/23

All: 0.000+/-0.000 χ^2/NDF: 8219396.9/48

- sign 0.000+/-0.000 χ^2/NDF: 2857803.2/24

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: 392.348+/-534.468 χ^2/NDF:6.5/7

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

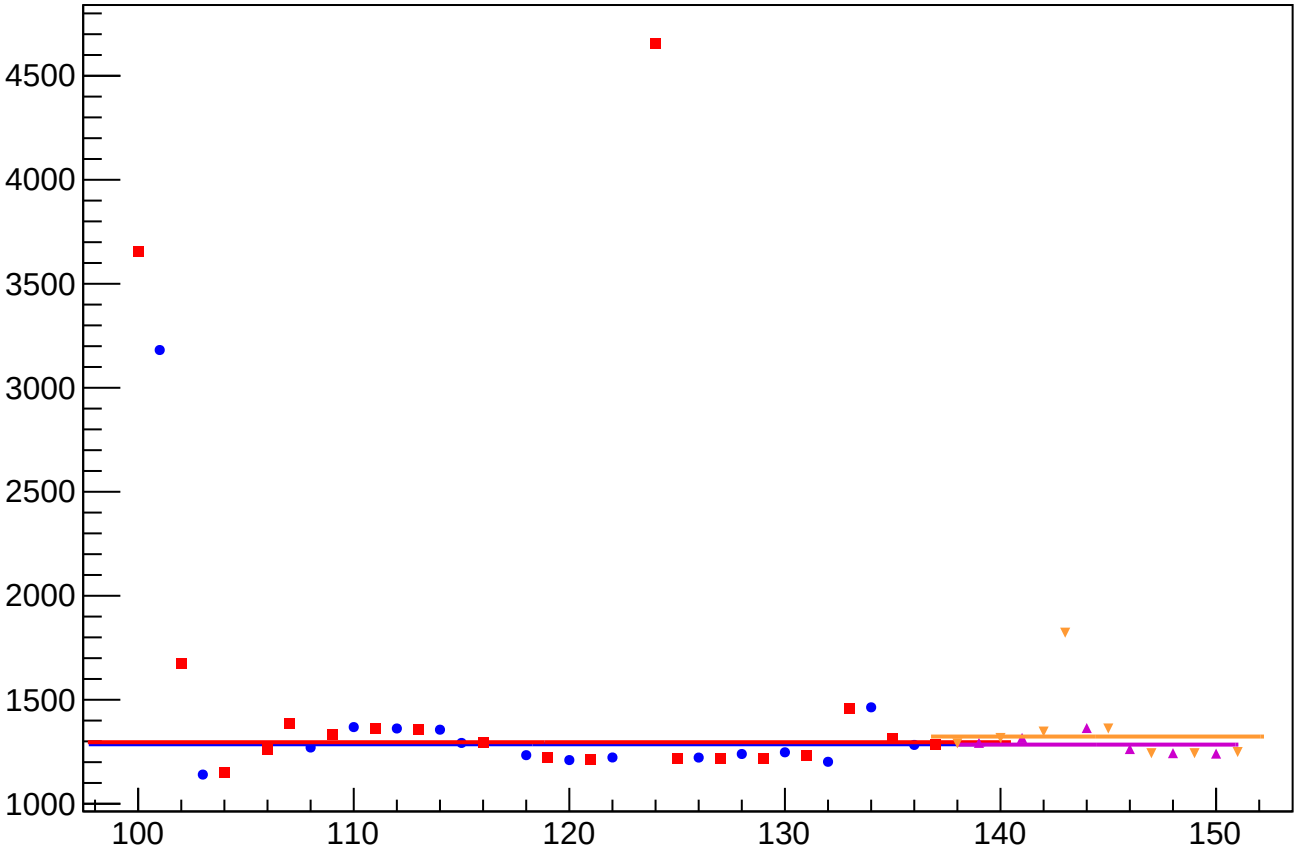
Left In: 635.802+/-559.690 χ^2/NDF:11.1/5

+ sign -257.083+/-360.158 χ^2/NDF: 22.6/23

All: 106.710+/-257.016 χ^2/NDF: 51.5/48

- sign 484.221+/-366.886 χ^2/NDF: 26.8/24

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1323.175+/-0.378 χ^2/NDF:145015.8/7

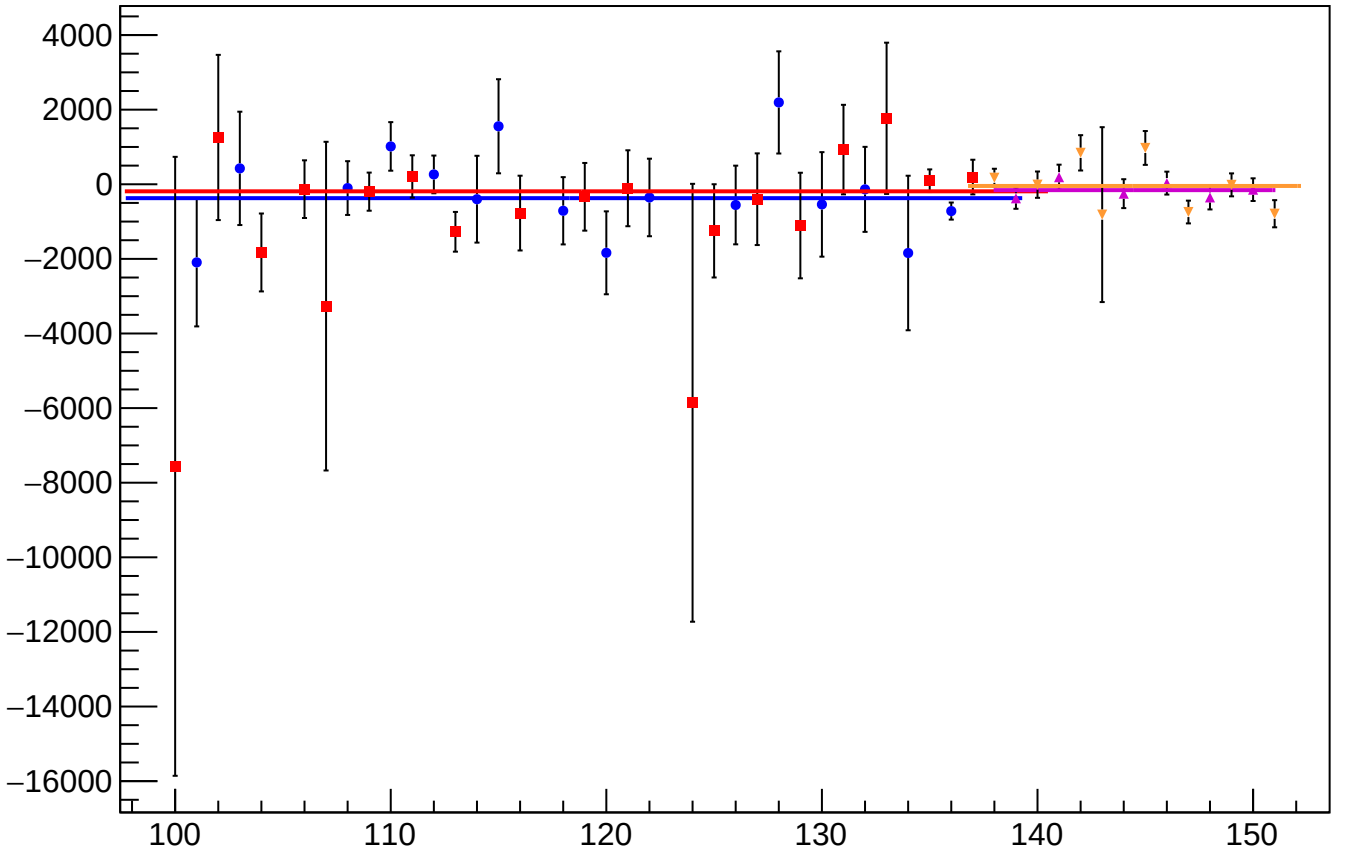
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1284.409+/-0.396 χ^2/NDF:11826.9/5

+ sign 1302.934+/-0.255 χ^2/NDF: 668397.1/23

All: 1297.071+/-0.182 χ^2/NDF: 1009858.3/48

- sign 1290.987+/-0.259 χ^2/NDF: 340381.2/24



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -45.144+/-125.463 χ^2/NDF:18.9/7

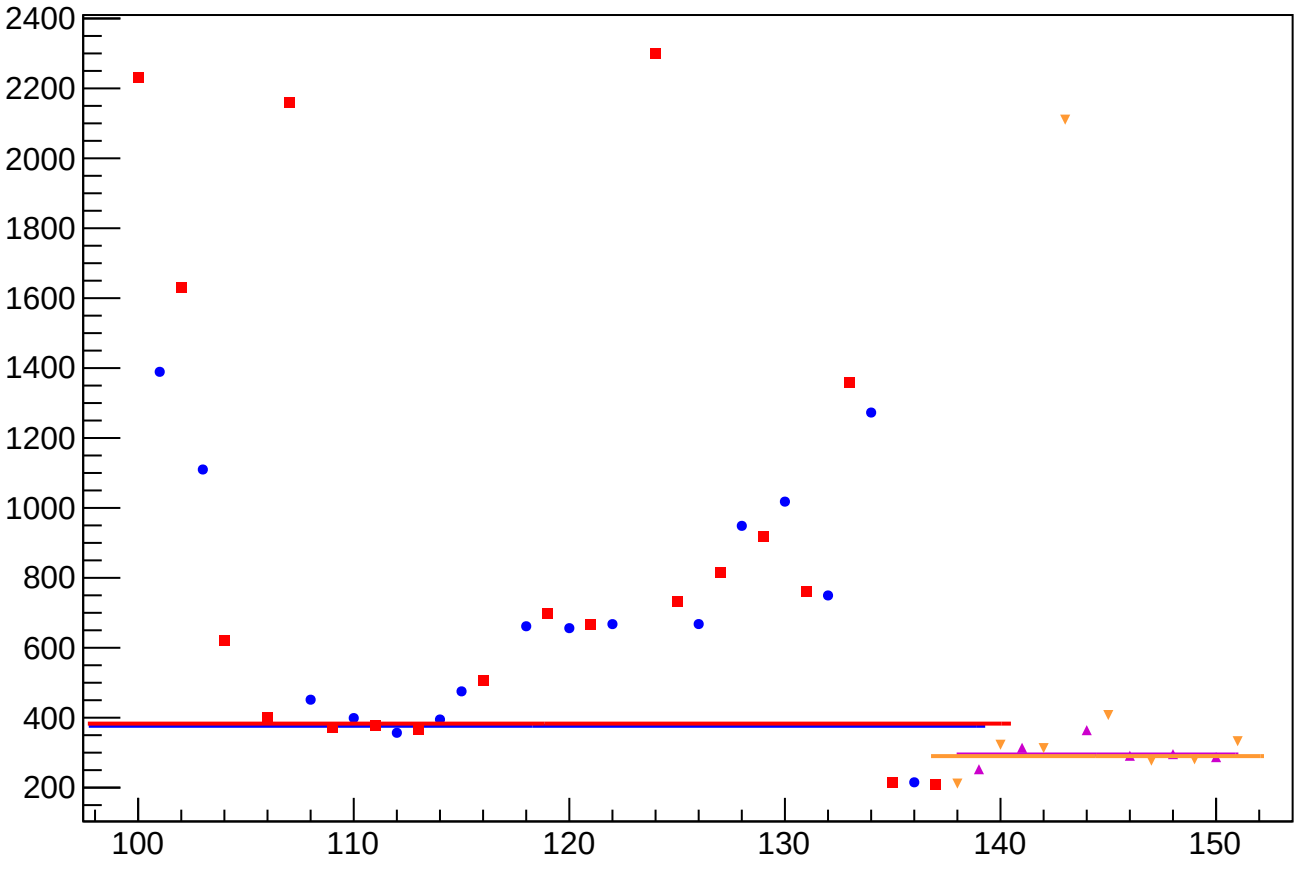
Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: -157.276+/-130.070 χ^2/NDF:2.5/5

+ sign -162.104+/-100.568 χ^2/NDF: 39.5/23

All: -165.466+/-72.027 χ^2/NDF: 56.7/48

- sign -169.007+/-103.206 χ^2/NDF: 17.1/24



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 290.119+/-0.089 χ^2/NDF:1606586.2/7

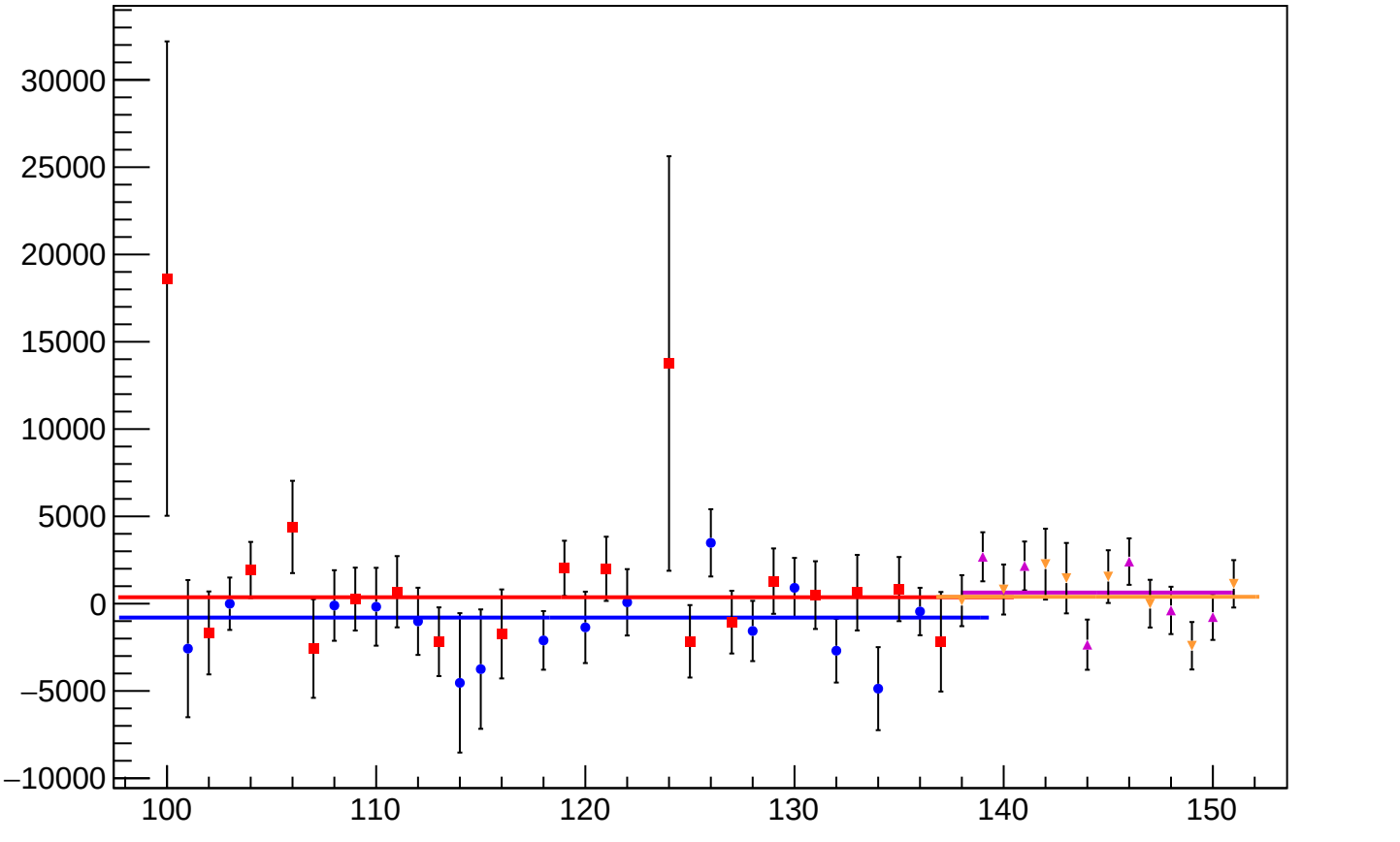
Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 294.720+/-0.092 χ^2/NDF:117258.5/5

+ sign 321.139+/-0.071 χ^2/NDF: 6138774.8/23

All: 324.211+/-0.051 χ^2/NDF: 10655818.4/48

- sign 327.447+/-0.073 χ^2/NDF: 4513210.5/24



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 392.327+/-534.468 χ^2/NDF:6.5/7

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

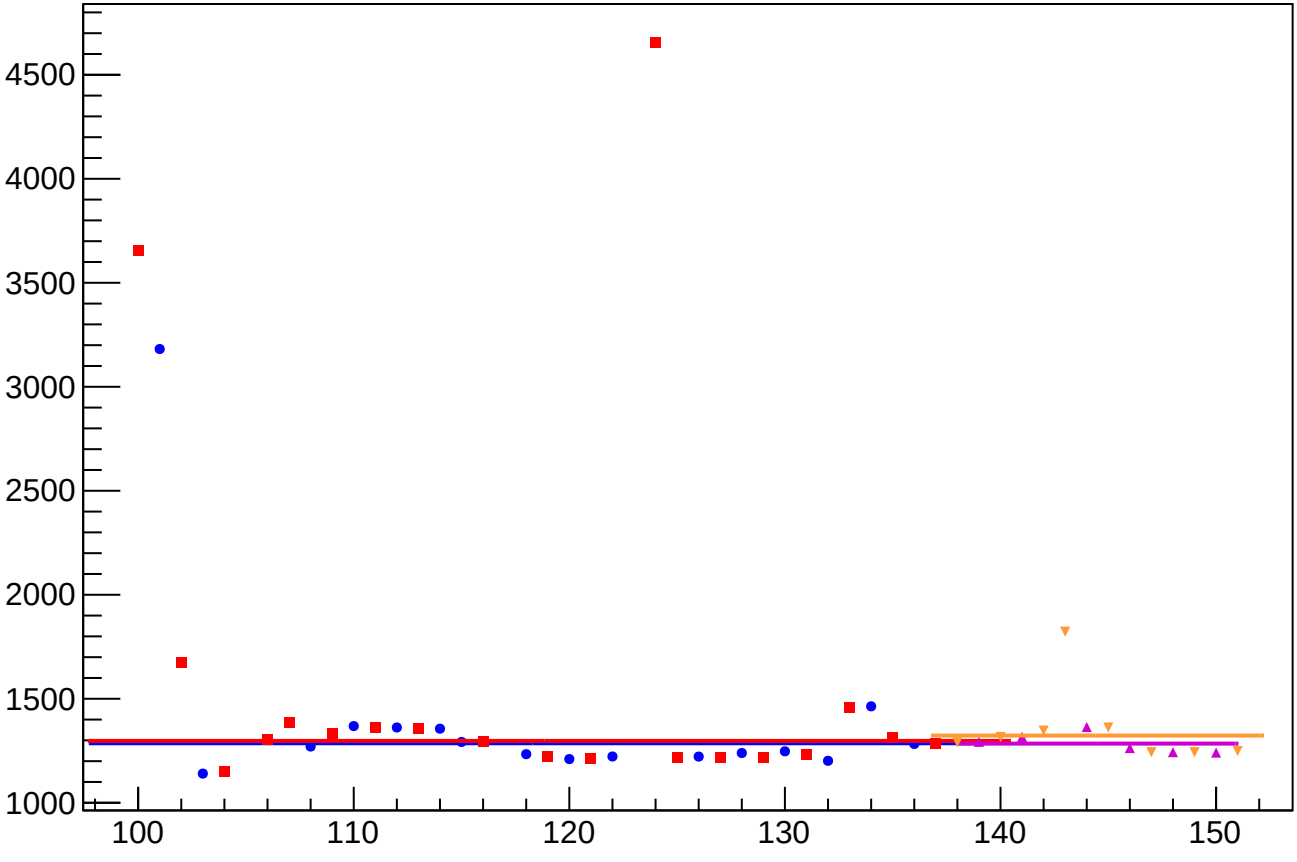
Left In: 635.849+/-559.690 χ^2/NDF:11.1/5

\+ sign -256.873+/-360.158 χ^2/NDF: 22.6/23

All: 105.960+/-257.093 χ^2/NDF: 51.6/48

\- sign 482.938+/-367.111 χ^2/NDF: 26.9/24

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1323.175+/-0.378 χ^2/NDF:145015.8/7

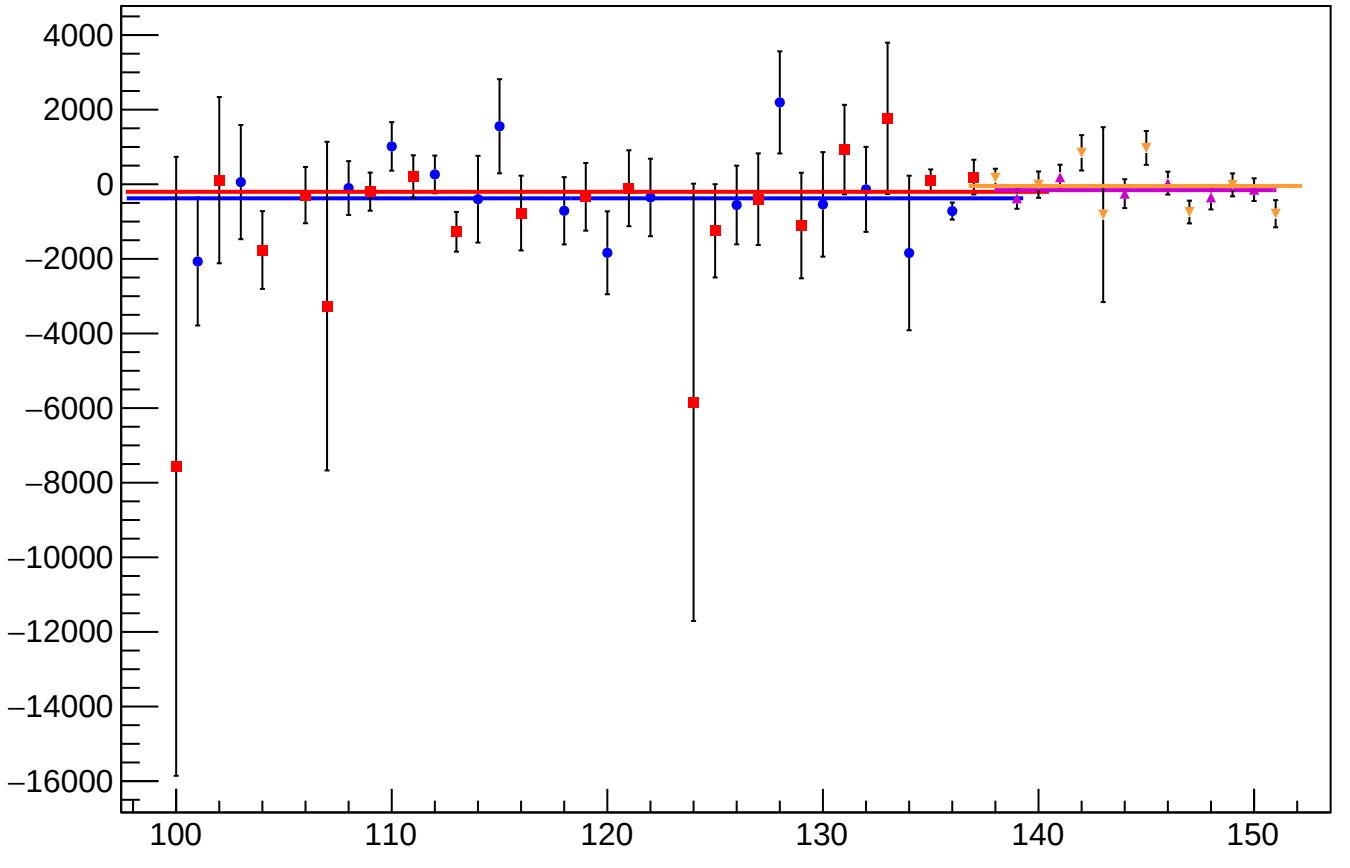
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1284.409+/-0.396 χ^2/NDF:11826.9/5

+ sign 1302.934+/-0.255 χ^2/NDF: 668398.6/23

All: 1297.477+/-0.182 χ^2/NDF: 1009516.7/48

- sign 1291.807+/-0.260 χ^2/NDF: 340182.0/24



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -45.186+/-125.467 χ^2/NDF:18.9/7

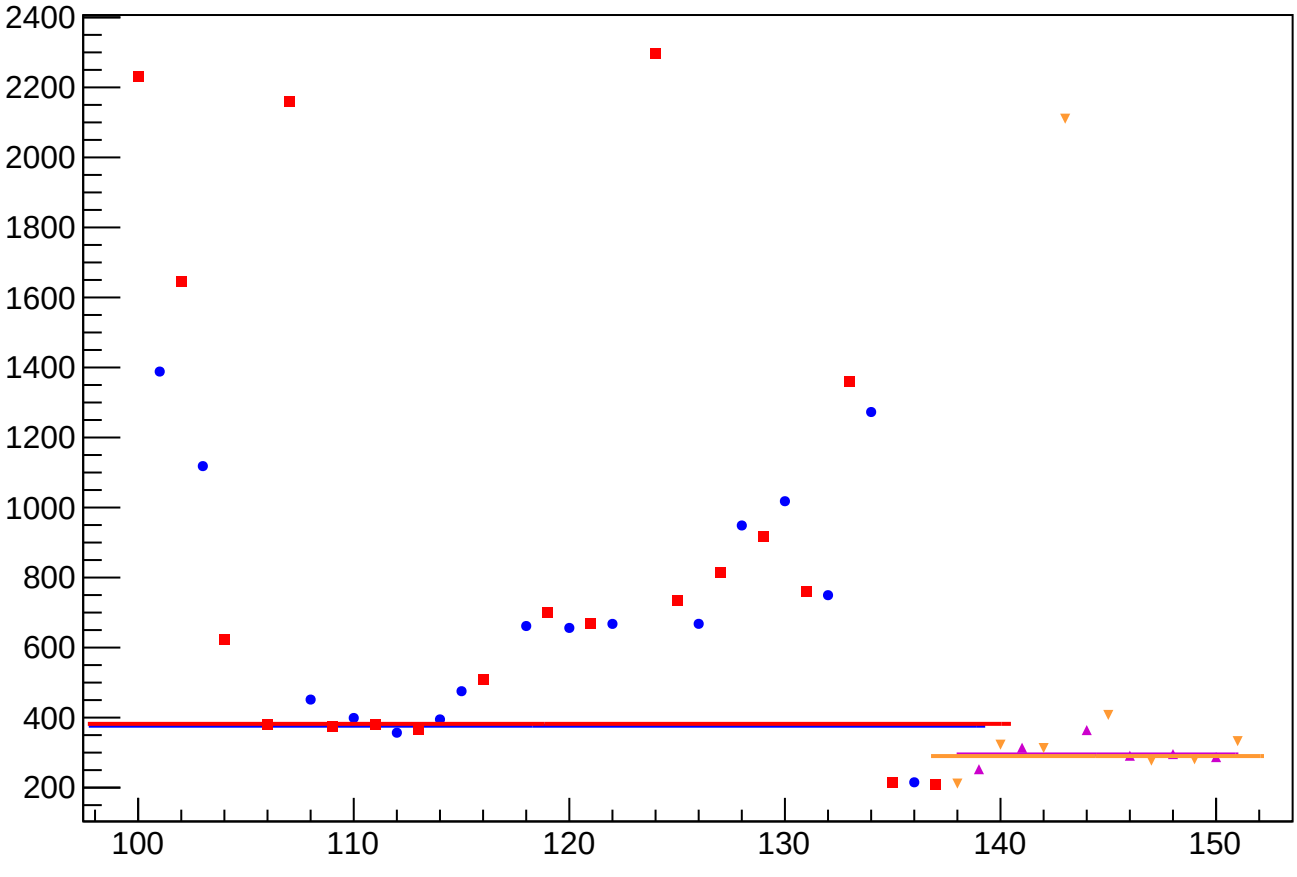
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -157.327+/-130.068 χ^2/NDF:2.5/5

+ sign -163.707+/-100.574 χ^2/NDF: 39.4/23

All: -168.699+/-72.014 χ^2/NDF: 55.9/48

- sign -173.952+/-103.161 χ^2/NDF: 16.6/24



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 290.130+/-0.089 χ^2/NDF:1606585.3/7

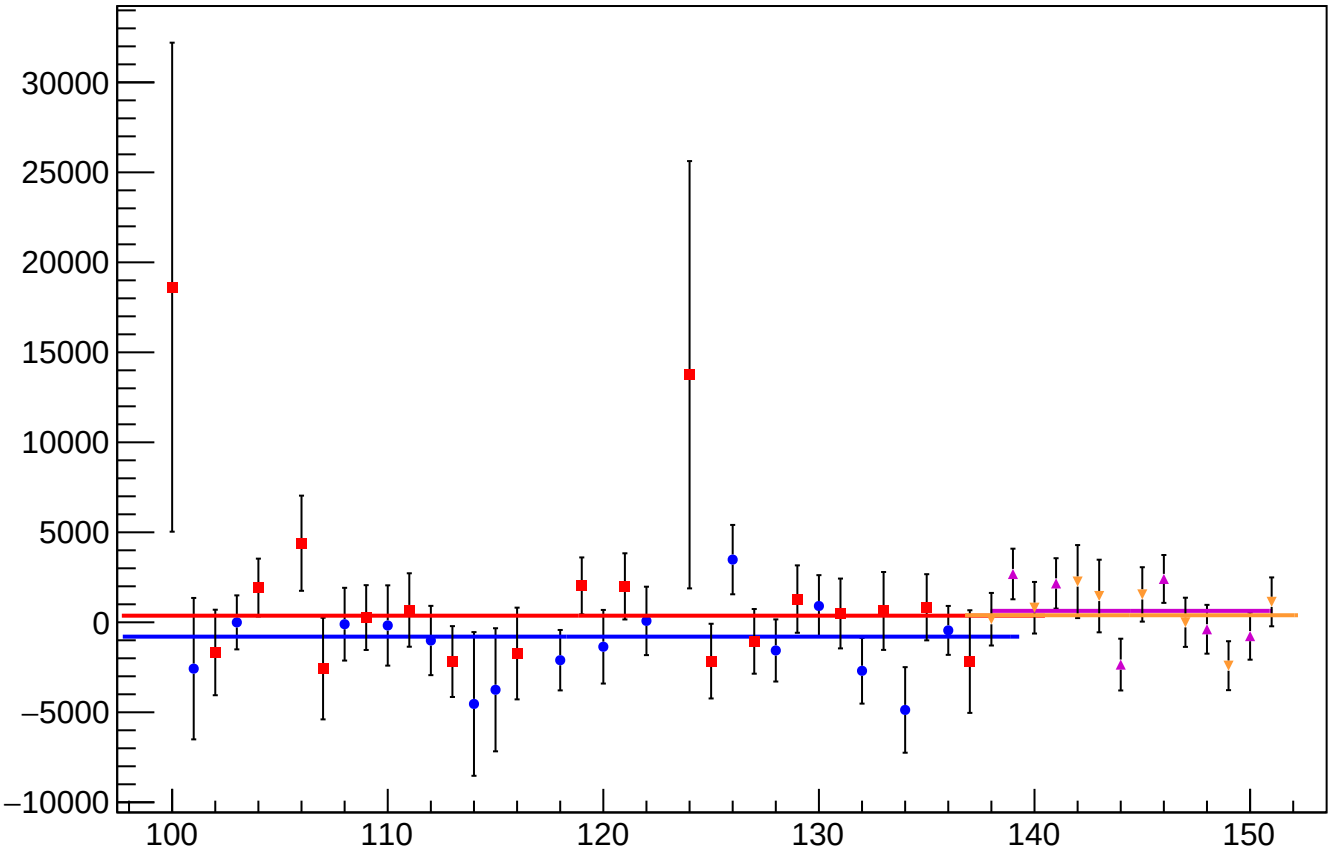
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 294.717+/-0.092 χ^2/NDF:117243.7/5

+ sign 321.139+/-0.071 χ^2/NDF: 6141695.6/23

All: 324.066+/-0.051 χ^2/NDF: 10657145.1/48

- sign 327.145+/-0.073 χ^2/NDF: 4511973.7/24



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 392.327+/-534.468 χ^2/NDF:6.5/7

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

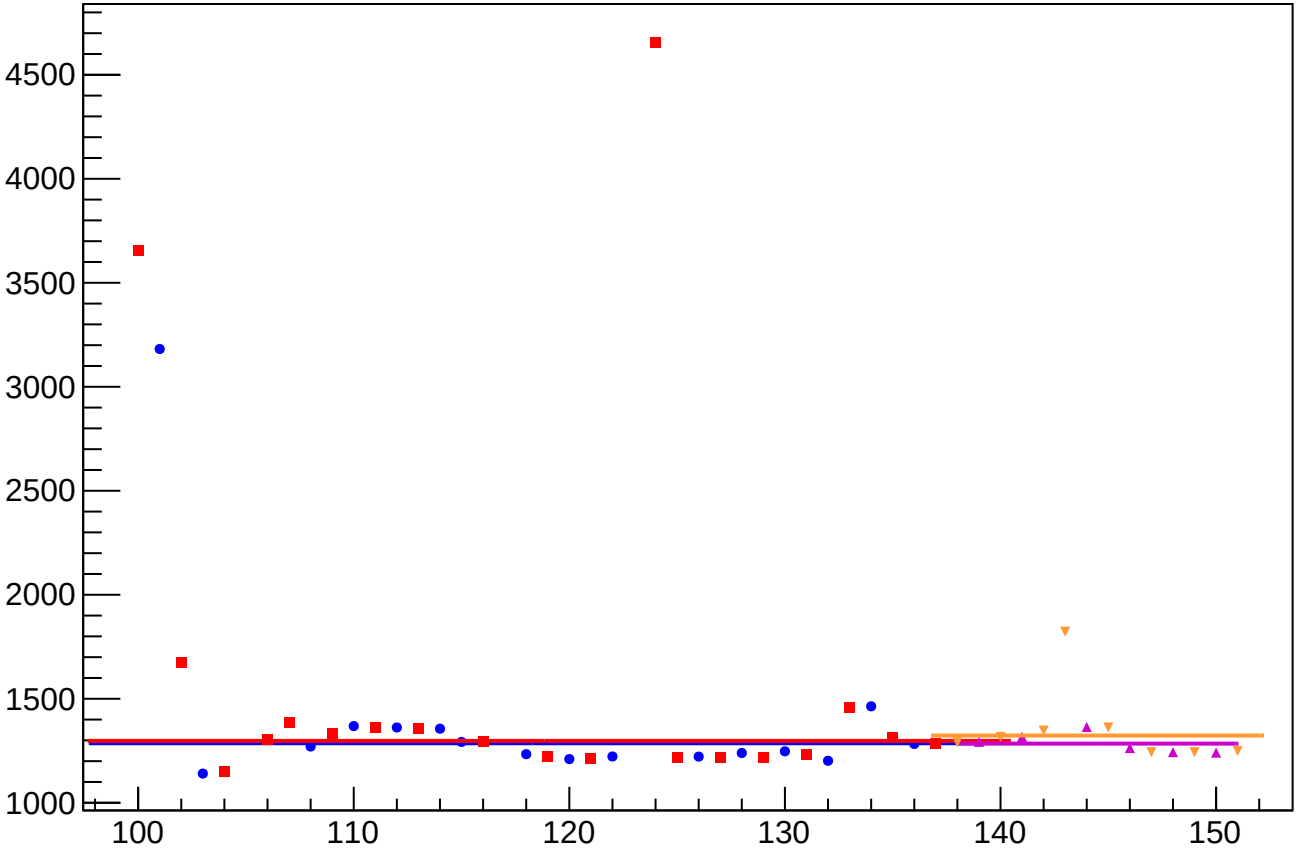
Left In: 635.849+/-559.690 χ^2/NDF:11.1/5

+ sign -256.873+/-360.158 χ^2/NDF: 22.6/23

All: 105.960+/-257.093 χ^2/NDF: 51.6/48

- sign 482.938+/-367.111 χ^2/NDF: 26.9/24

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: 1323.175+/-0.378 χ^2/NDF:145015.8/7

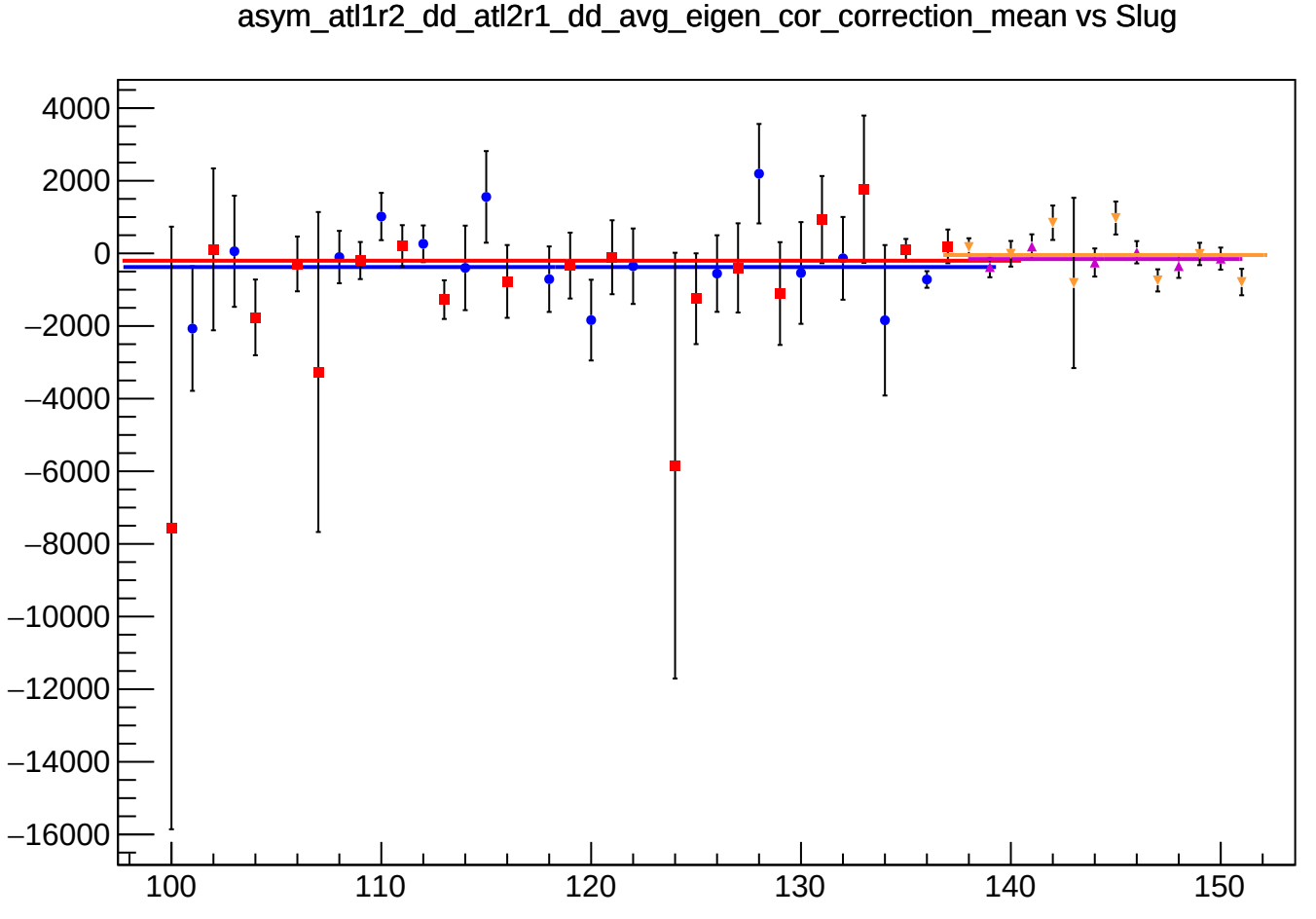
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1284.409+/-0.396 χ^2/NDF:11826.9/5

+ sign 1302.934+/-0.255 χ^2/NDF: 668398.6/23

All: 1297.477+/-0.182 χ^2/NDF: 1009516.7/48

- sign 1291.807+/-0.260 χ^2/NDF: 340182.0/24



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -45.186+/-125.467 χ^2/NDF:18.9/7

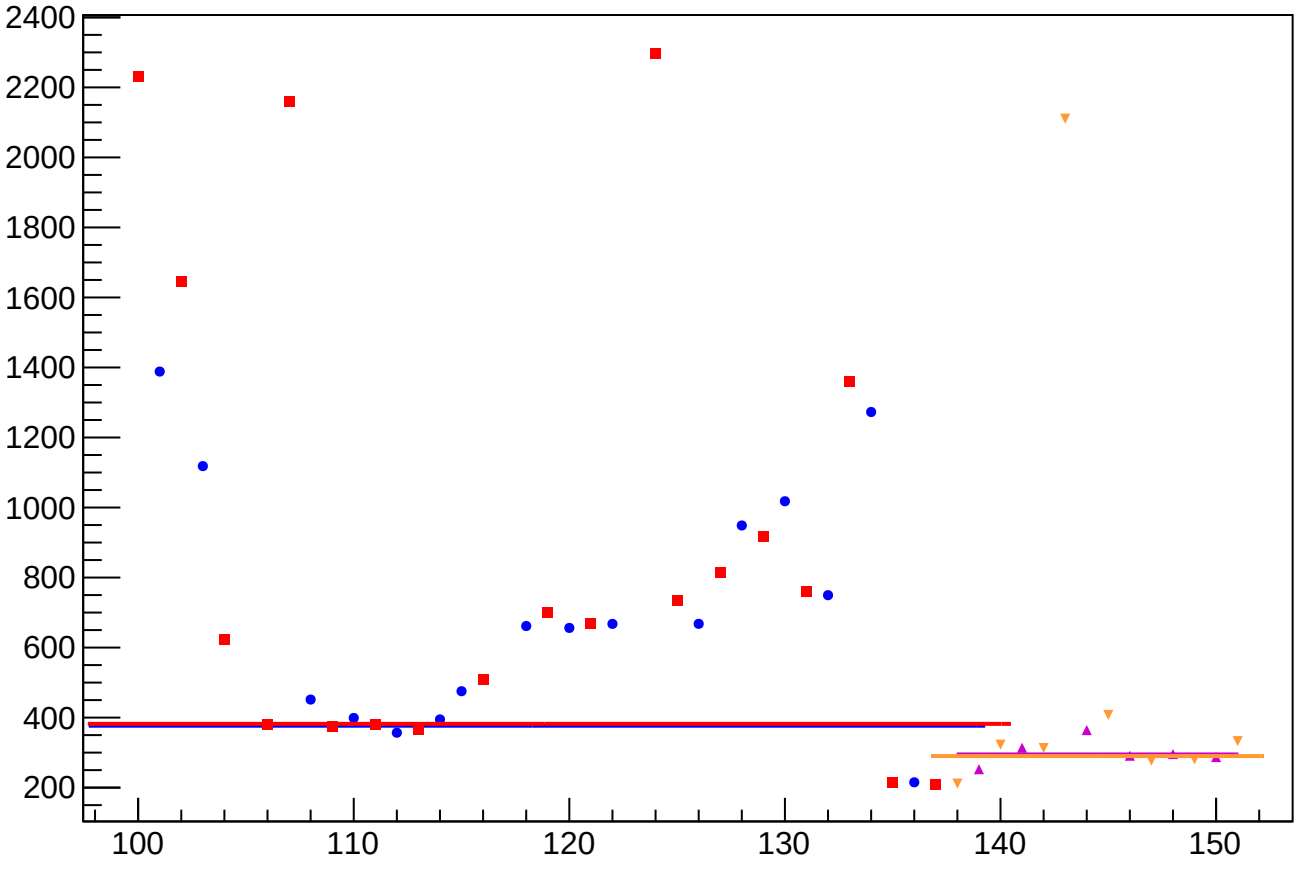
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -157.327+/-130.068 χ^2/NDF:2.5/5

+ sign -163.707+/-100.574 χ^2/NDF: 39.4/23

All: -168.699+/-72.014 χ^2/NDF: 55.9/48

- sign -173.952+/-103.161 χ^2/NDF: 16.6/24



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 290.130+/-0.089 χ^2/NDF:1606585.3/7

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

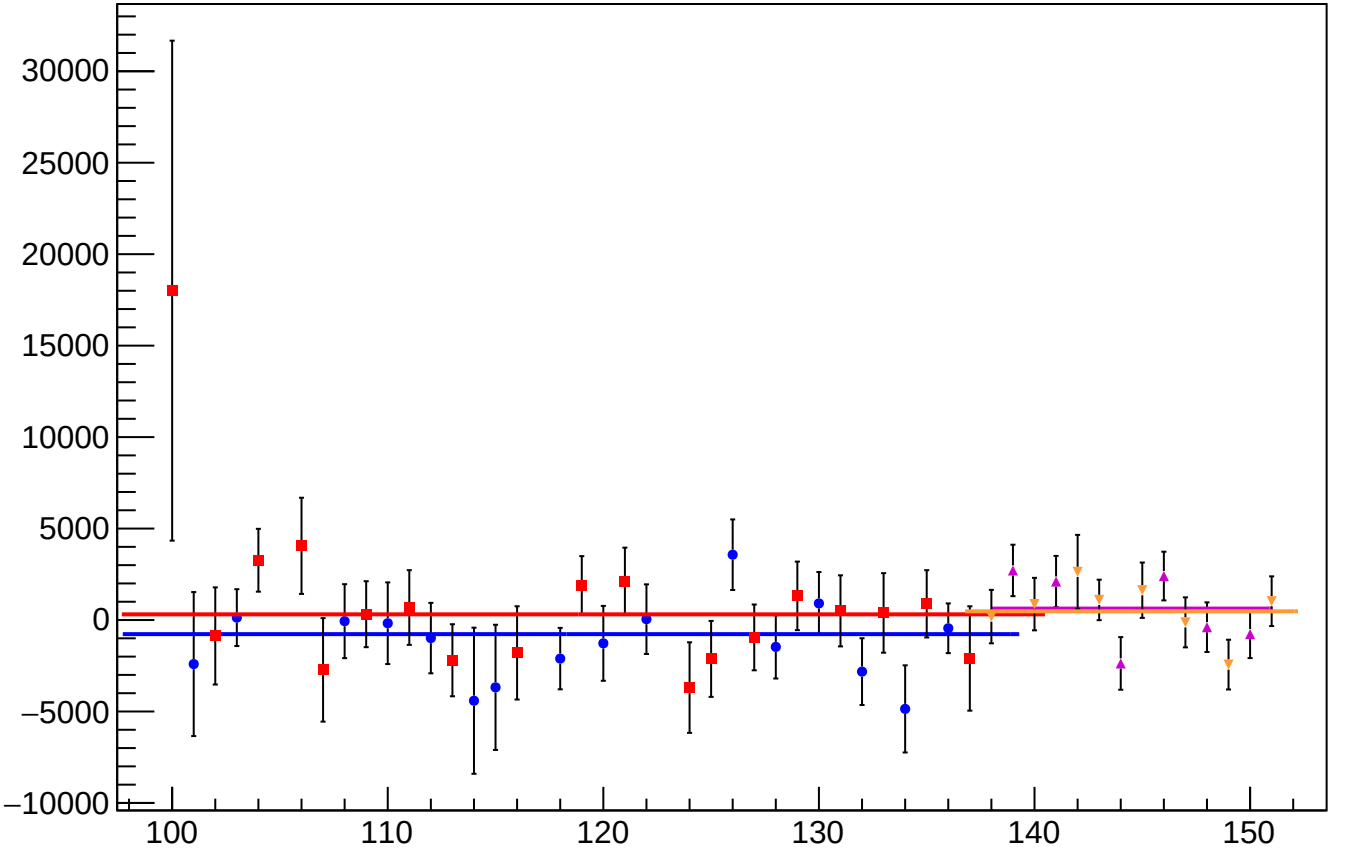
Left In: 294.717+/-0.092 χ^2/NDF:117243.7/5

+ sign 321.139+/-0.071 χ^2/NDF: 6141695.6/23

All: 324.066+/-0.051 χ^2/NDF: 10657145.1/48

- sign 327.145+/-0.073 χ^2/NDF: 4511973.7/24

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: 475.610+/-495.763 χ^2/NDF:7.1/7

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

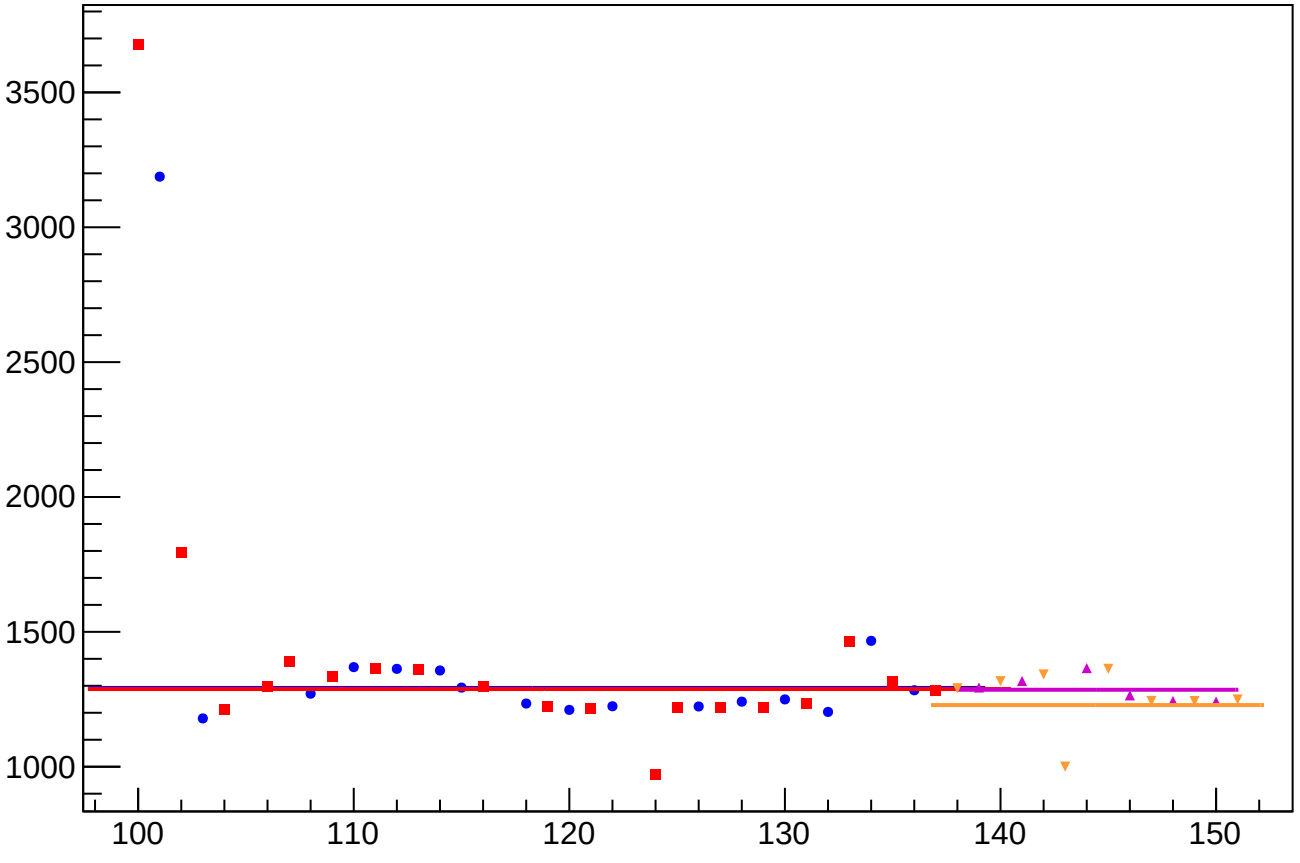
Left In: 625.530+/-560.105 χ^2/NDF:11.1/5

+ sign -155.741+/-348.359 χ^2/NDF: 23.9/23

All: 130.238+/-252.210 χ^2/NDF: 54.6/48

- sign 445.267+/-365.625 χ^2/NDF: 29.3/24

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1228.585+/-0.351 χ^2/NDF:119342.2/7

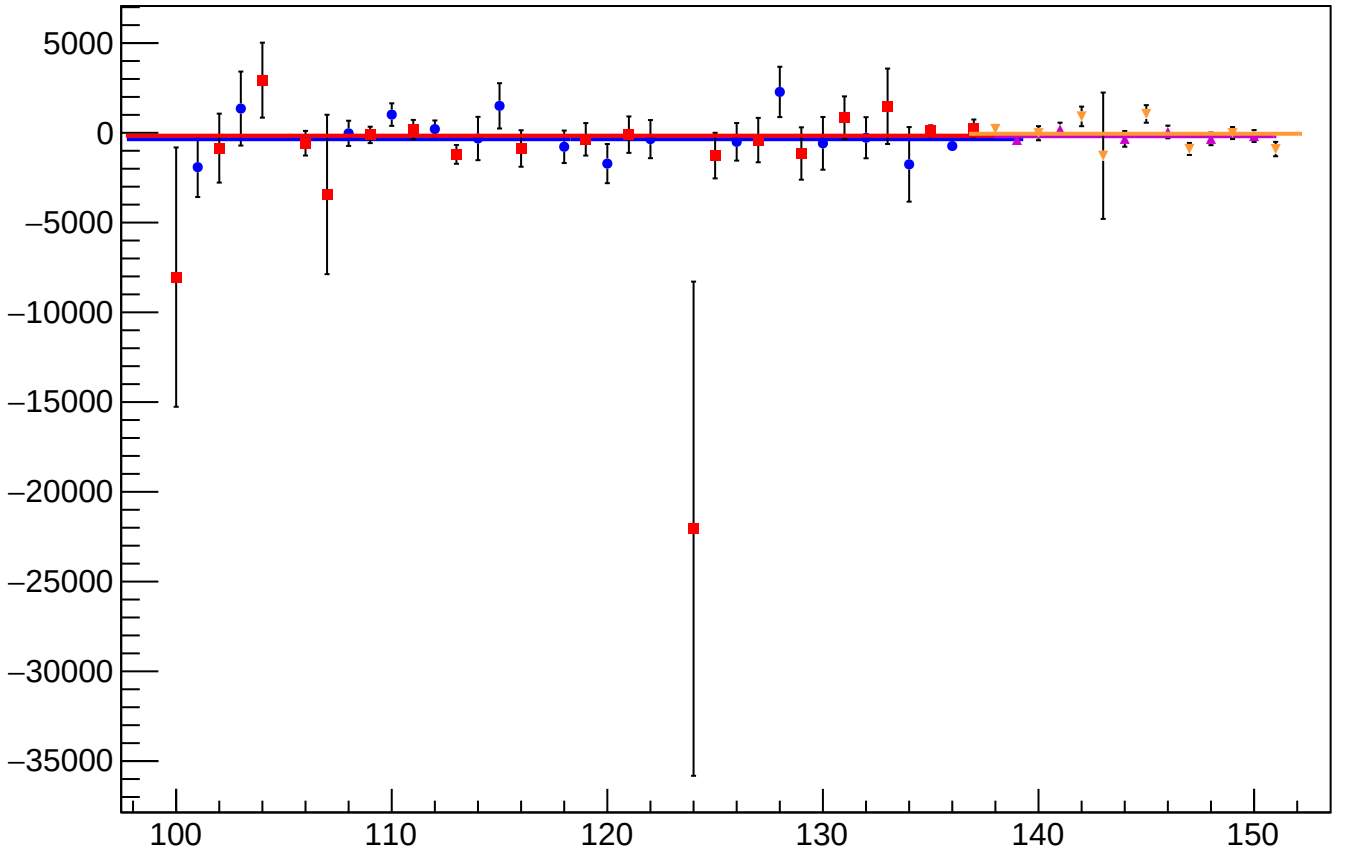
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1285.350+/-0.396 χ^2/NDF:11910.9/5

+ sign 1260.708+/-0.246 χ^2/NDF: 645334.6/23

All: 1273.154+/-0.178 χ^2/NDF: 871844.7/48

- sign 1286.864+/-0.259 χ^2/NDF: 221145.2/24



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -51.724+/-134.871 χ^2/NDF:20.5/7

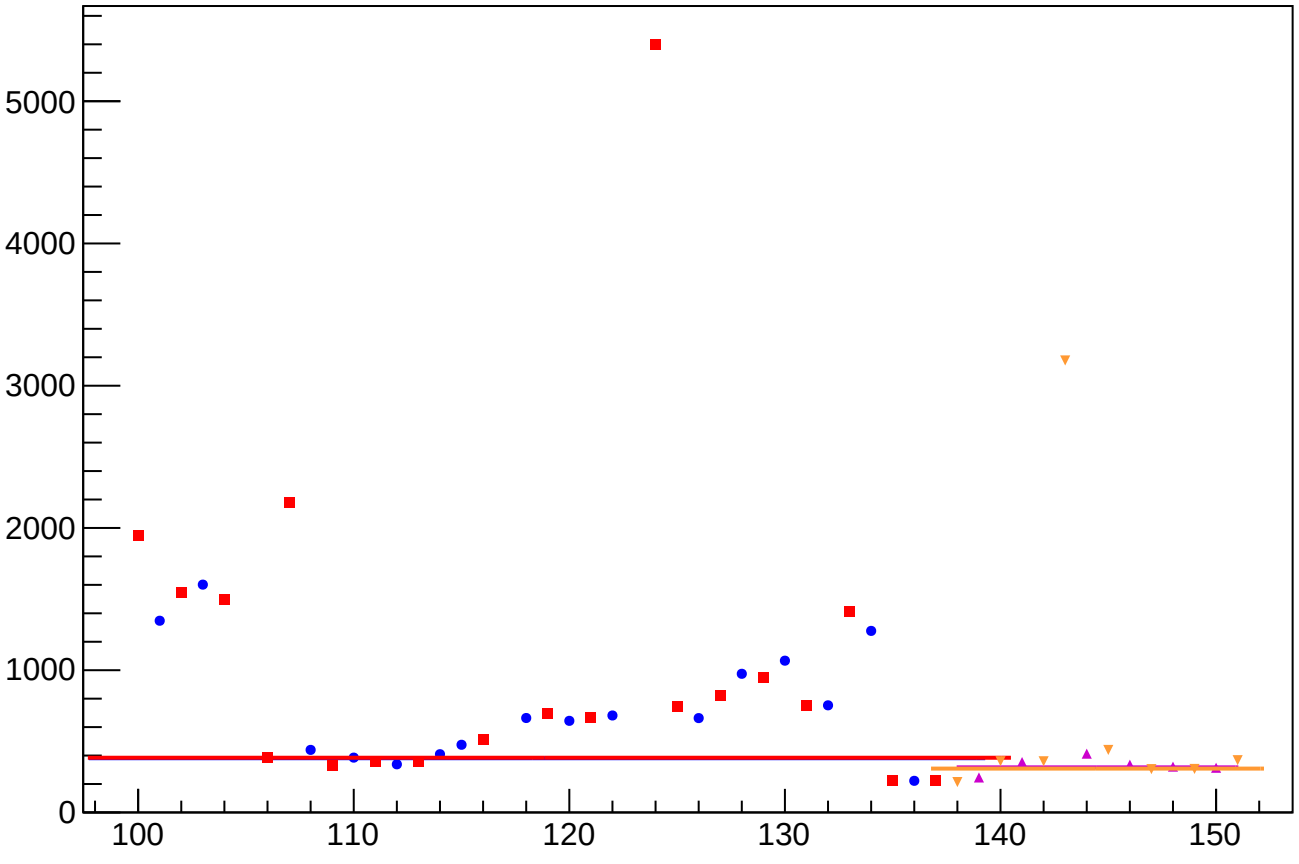
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -189.832+/-140.942 χ^2/NDF:2.3/5

+ sign -168.987+/-105.651 χ^2/NDF: 40.9/23

All: -172.794+/-75.665 χ^2/NDF: 59.0/48

- sign -176.804+/-108.414 χ^2/NDF: 18.1/24



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 308.361+/-0.095 χ^2/NDF:1870928.1/7

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

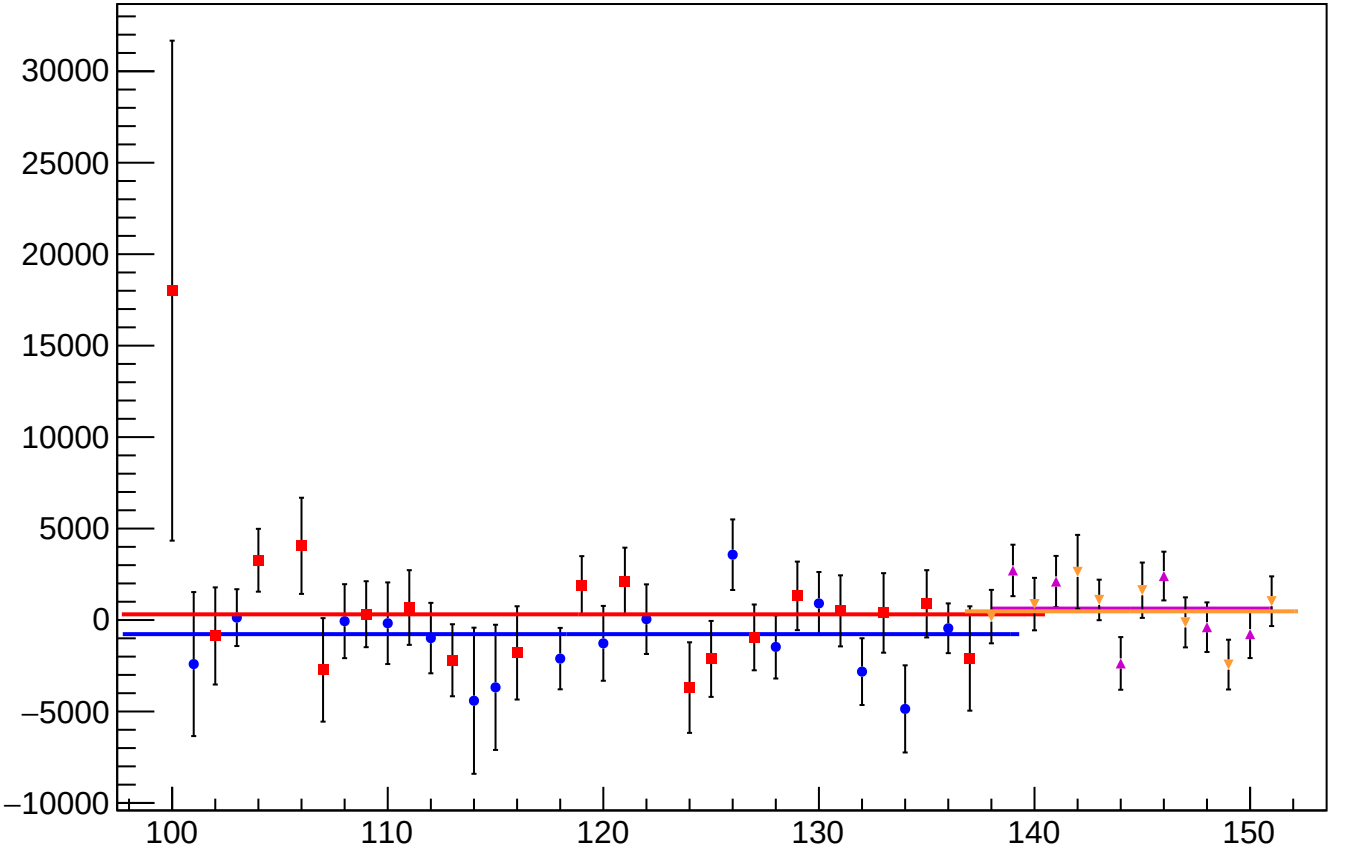
Left In: 317.095+/-0.100 χ^2/NDF:254082.3/5

+ sign 336.561+/-0.075 χ^2/NDF: 6415156.8/23

All: 340.515+/-0.054 χ^2/NDF: 11422813.6/48

- sign 344.679+/-0.077 χ^2/NDF: 5001905.9/24

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: 475.610+/-495.763 χ^2/NDF:7.1/7

Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

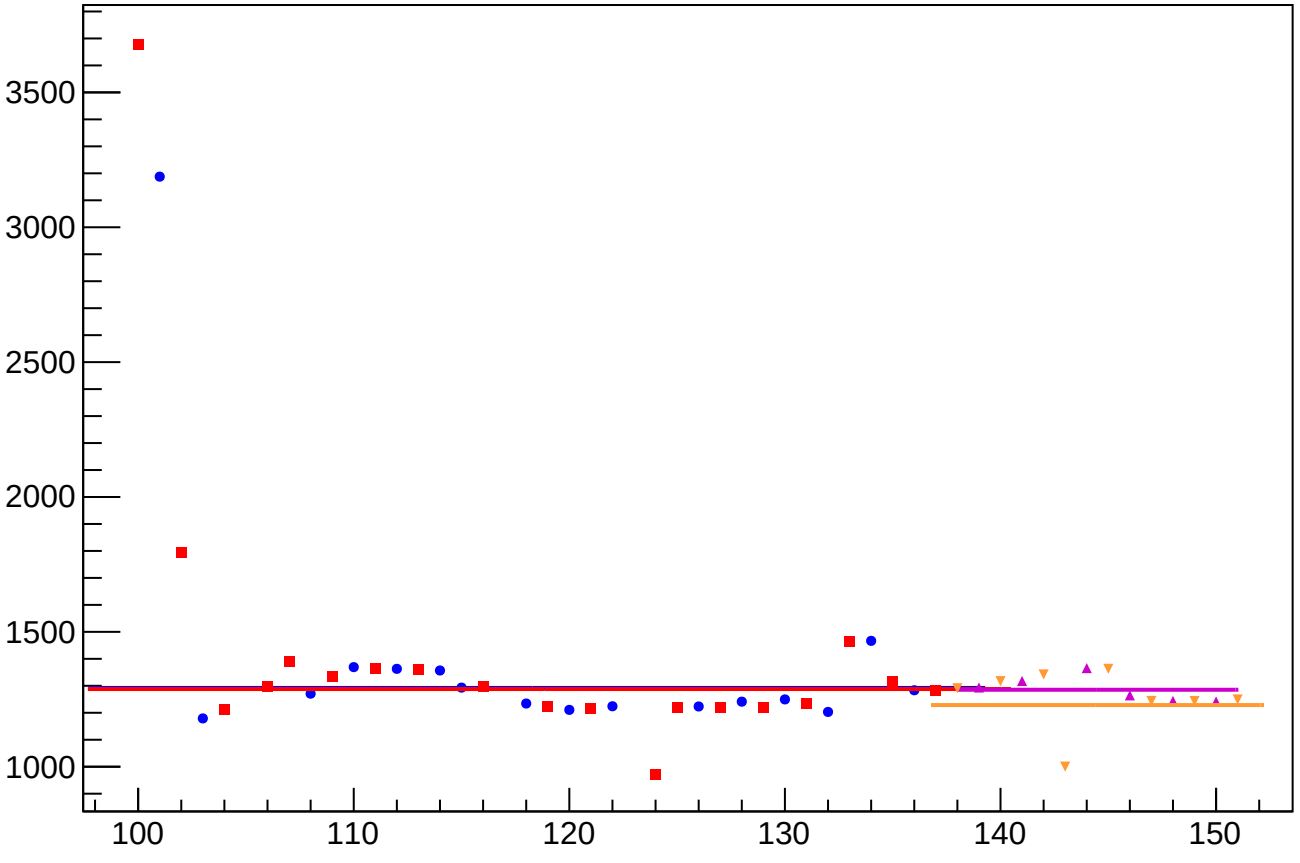
Left In: 625.526+/-560.105 χ^2/NDF:11.1/5

+ sign -155.743+/-348.359 χ^2/NDF: 23.9/23

All: 130.237+/-252.210 χ^2/NDF: 54.6/48

- sign 445.267+/-365.625 χ^2/NDF: 29.3/24

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: 1228.586+/-0.351 χ^2/NDF:119341.5/7

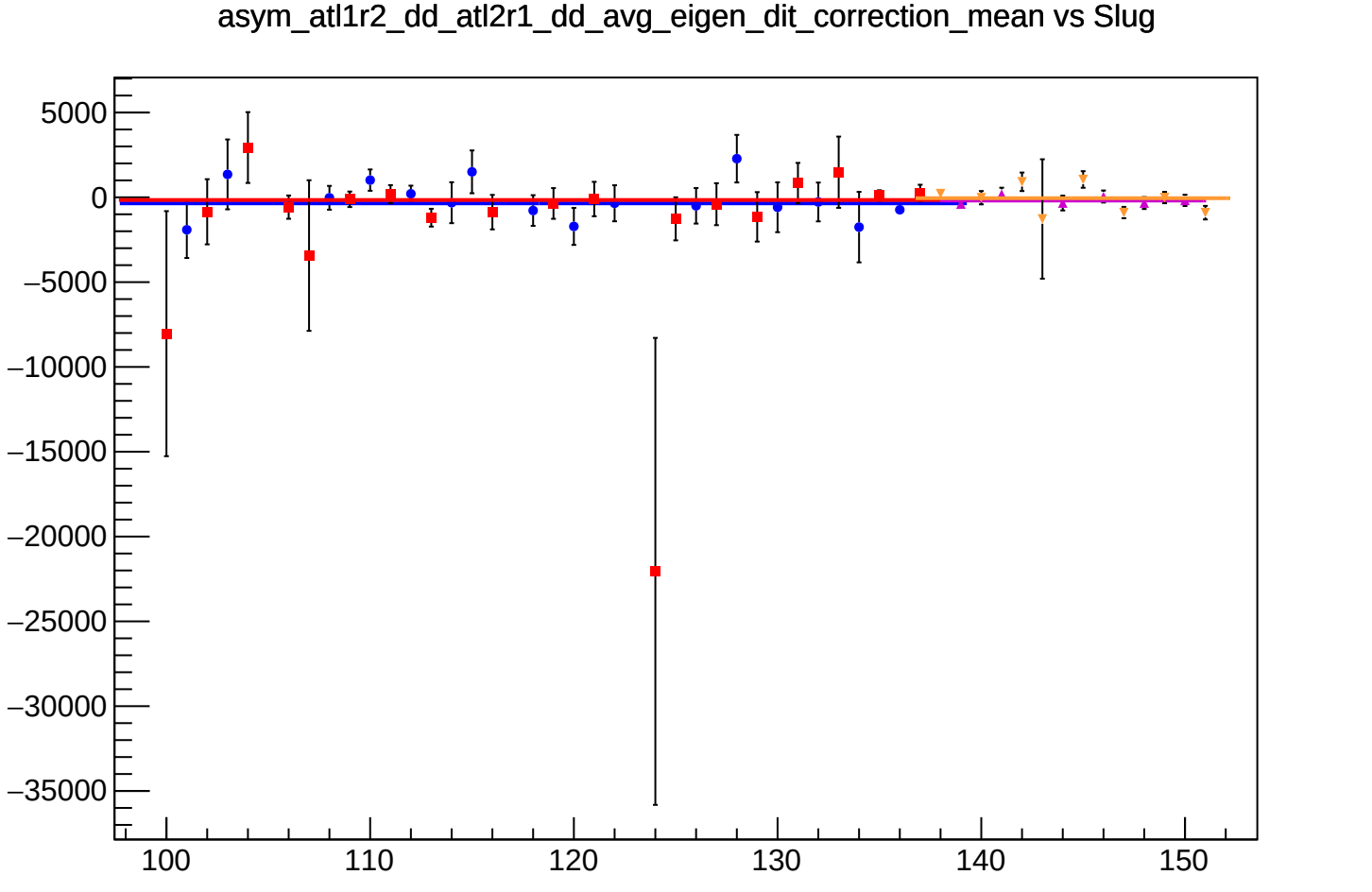
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1285.350+/-0.396 χ^2/NDF:11911.0/5

+ sign 1260.709+/-0.246 χ^2/NDF: 645333.7/23

All: 1273.154+/-0.178 χ^2/NDF: 871844.0/48

- sign 1286.864+/-0.259 χ^2/NDF: 221145.5/24



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -51.734+/-134.873 χ^2/NDF:20.5/7

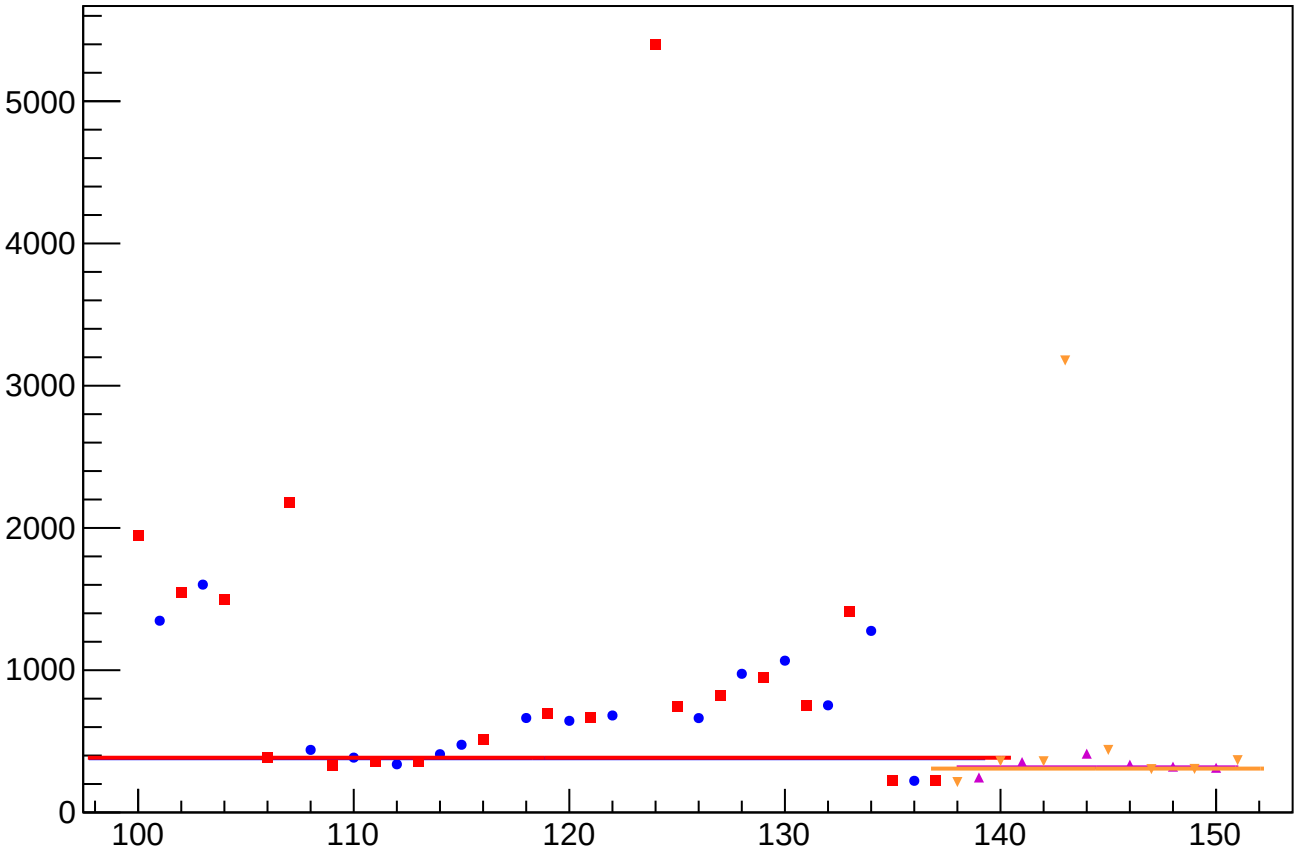
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -189.833+/-140.944 χ^2/NDF:2.3/5

+ sign -168.993+/-105.653 χ^2/NDF: 40.9/23

All: -172.799+/-75.666 χ^2/NDF: 59.0/48

- sign -176.807+/-108.416 χ^2/NDF: 18.1/24



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 308.368+/-0.095 χ^2/NDF:1870813.5/7

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

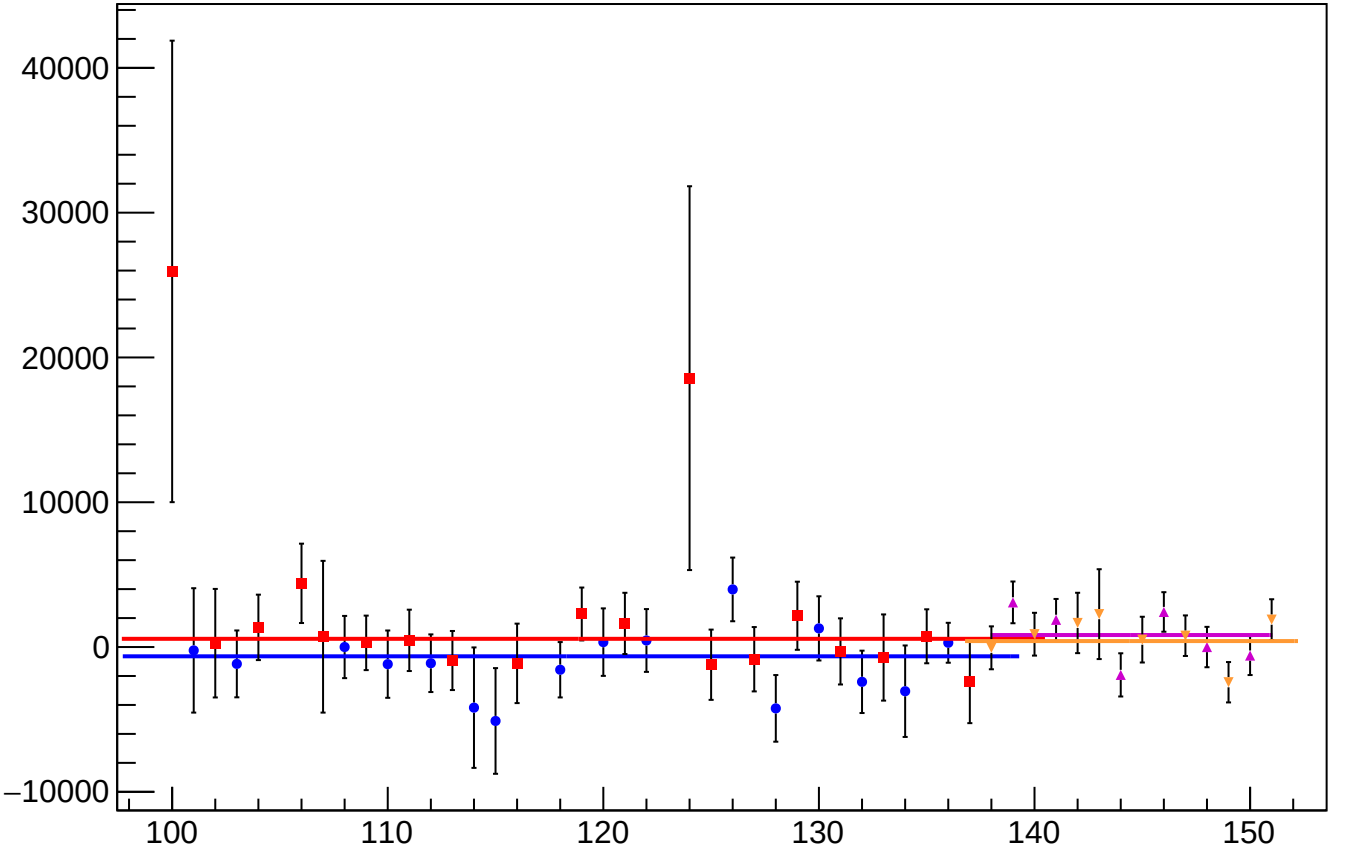
Left In: 317.100+/-0.100 χ^2/NDF:254013.7/5

+ sign 336.570+/-0.075 χ^2/NDF: 6414865.7/23

All: 340.522+/-0.054 χ^2/NDF: 11422319.9/48

- sign 344.685+/-0.077 χ^2/NDF: 5001706.5/24

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 411.687+/-561.099 χ^2/NDF:6.3/7

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

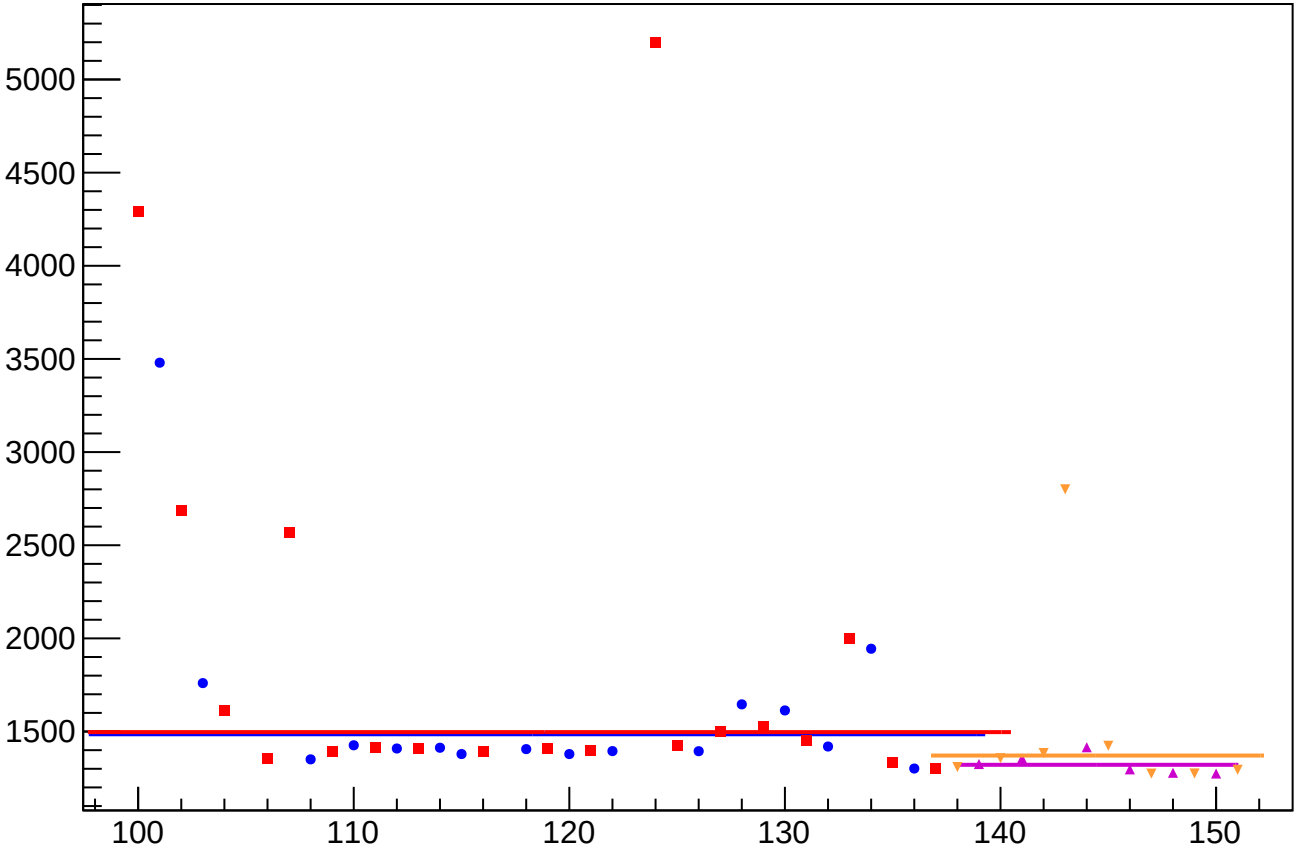
Left In: 828.911+/-575.894 χ^2/NDF:9.2/5

\+ sign -111.513+/-397.907 χ^2/NDF: 20.5/23

All: 286.150+/-283.477 χ^2/NDF: 43.2/48

\- sign 695.994+/-403.956 χ^2/NDF: 20.6/24

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1371.200+/-0.397 χ^2/NDF:455087.4/7

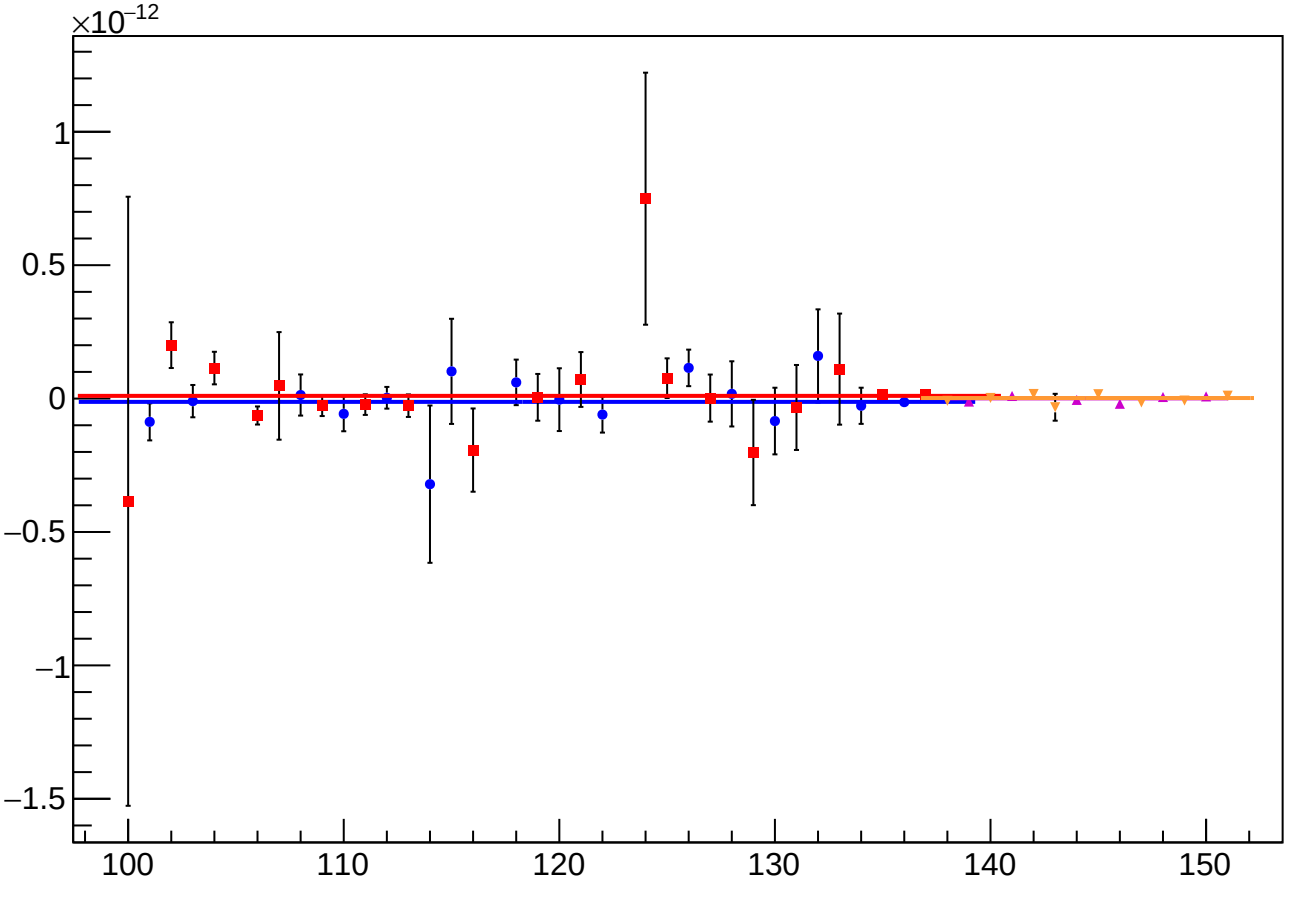
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1321.392+/-0.407 χ^2/NDF:14037.0/5

+ sign 1427.954+/-0.281 χ^2/NDF: 1080720.0/23

All: 1419.373+/-0.200 χ^2/NDF: 1814261.3/48

- sign 1410.529+/-0.286 χ^2/NDF: 731652.6/24



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.8/7

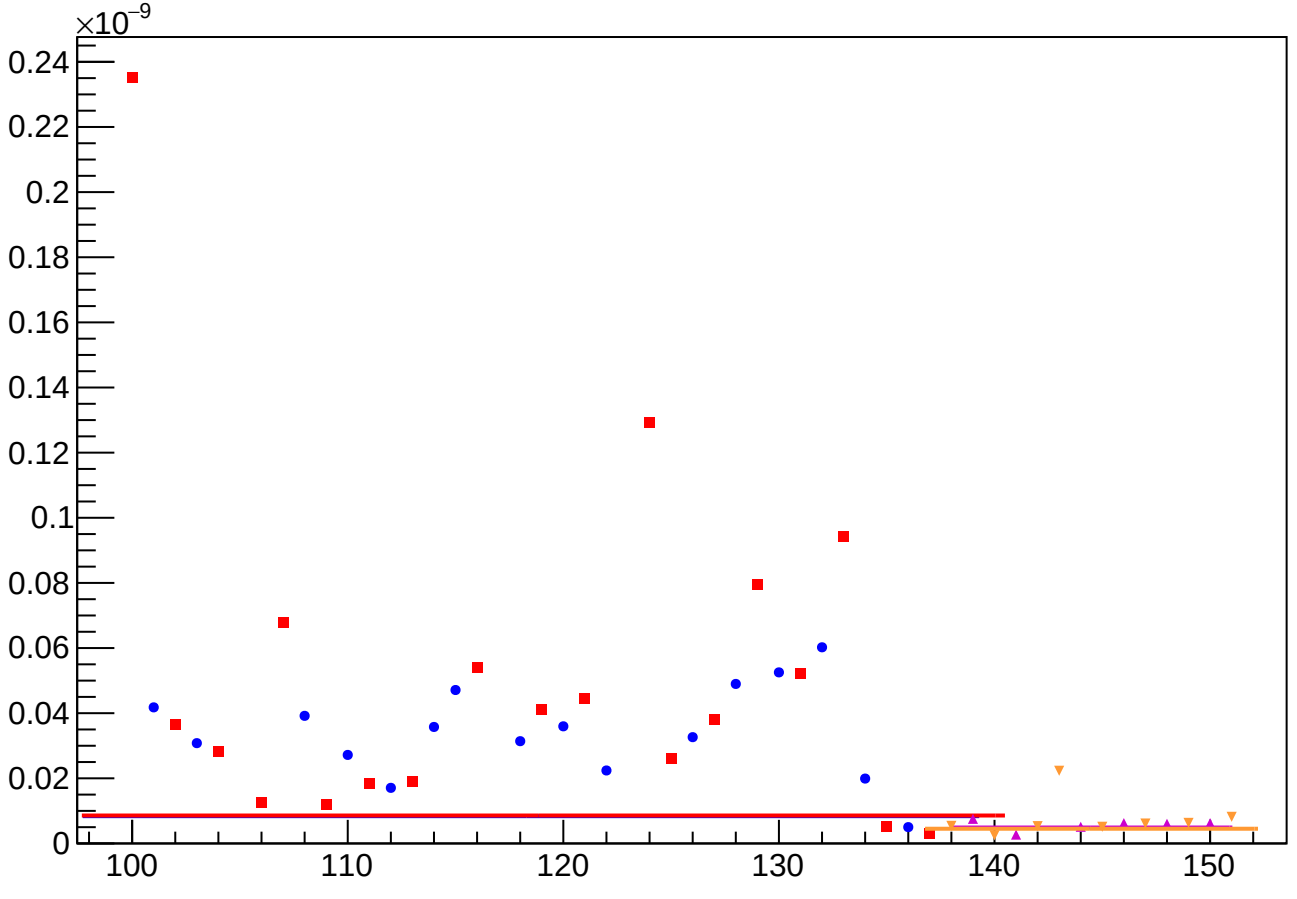
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:8.8/5

+ sign -0.000+/-0.000 χ^2/NDF: 22.5/23

All: 0.000+/-0.000 χ^2/NDF: 55.1/48

- sign 0.000+/-0.000 χ^2/NDF: 32.3/24



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:910322.7/7

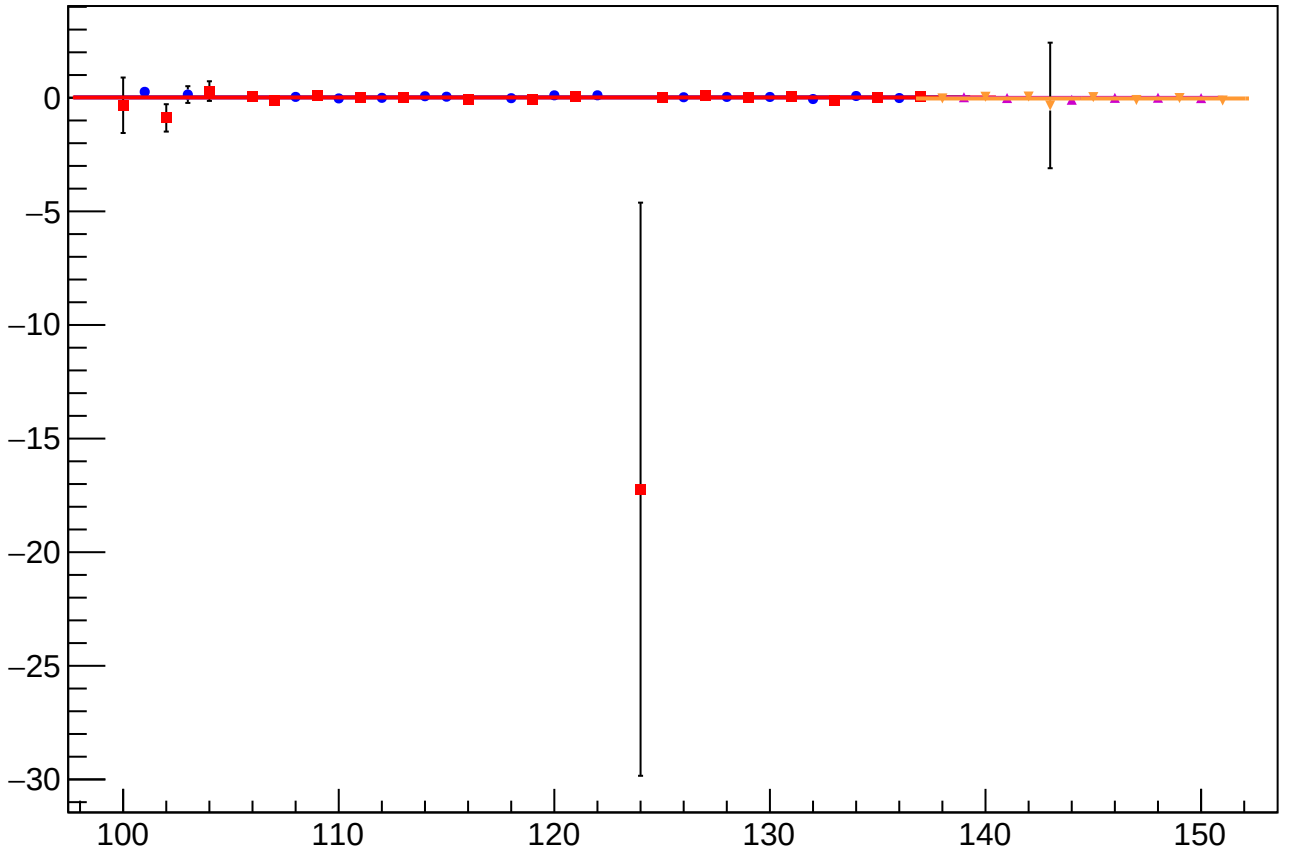
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:497850.9/5

\+ sign 0.000+/-0.000 χ^2/NDF: 4426698.4/23

All: 0.000+/-0.000 χ^2/NDF: 8642684.9/48

\- sign 0.000+/-0.000 χ^2/NDF: 4201718.5/24



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.032+/-0.014 χ^2/NDF:15.0/7

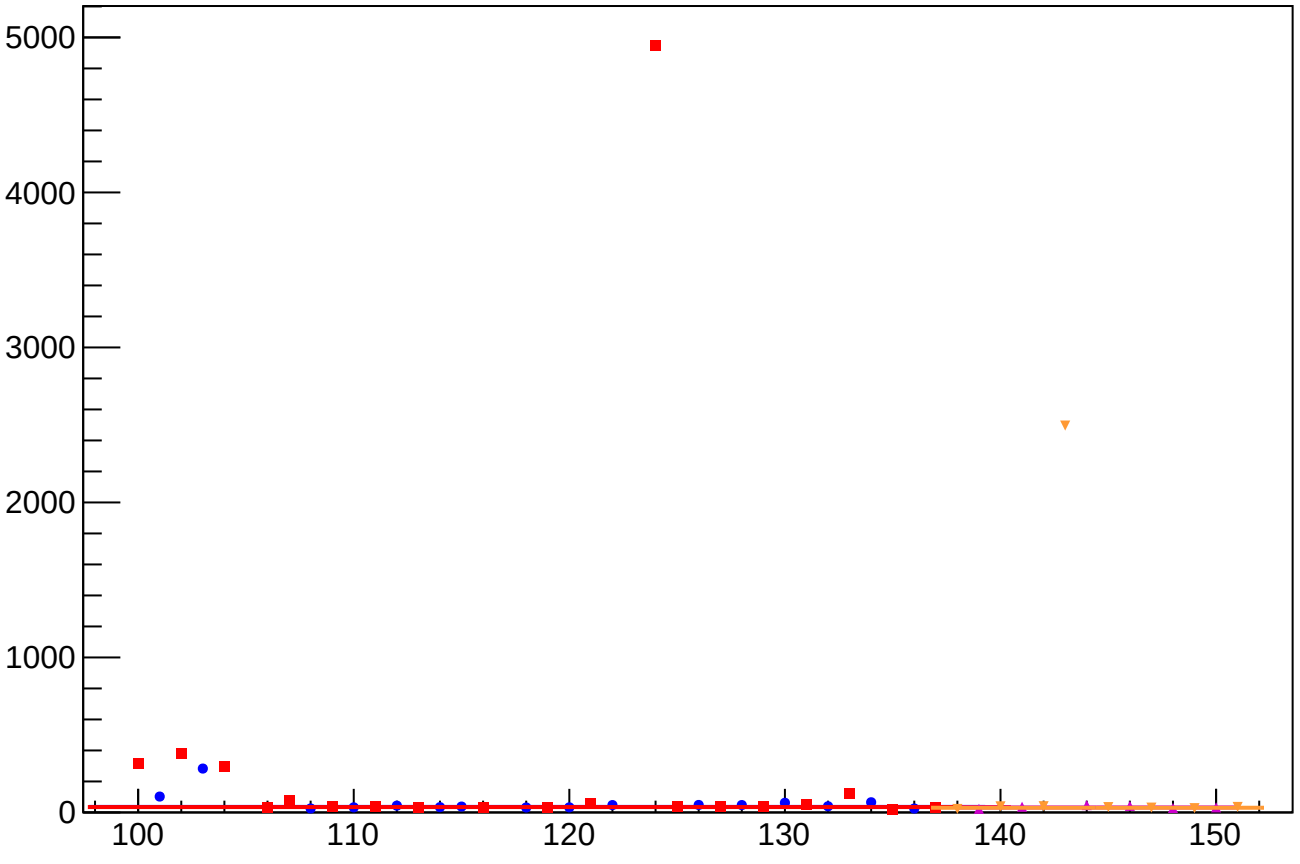
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.005+/-0.016 χ^2/NDF:3.5/5

\+ sign -0.009+/-0.011 χ^2/NDF: 31.8/23

All: -0.003+/-0.008 χ^2/NDF: 52.9/48

\- sign 0.004+/-0.011 χ^2/NDF: 20.3/24



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 30.357+/-0.010 χ^2/NDF:1942632.7/7

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

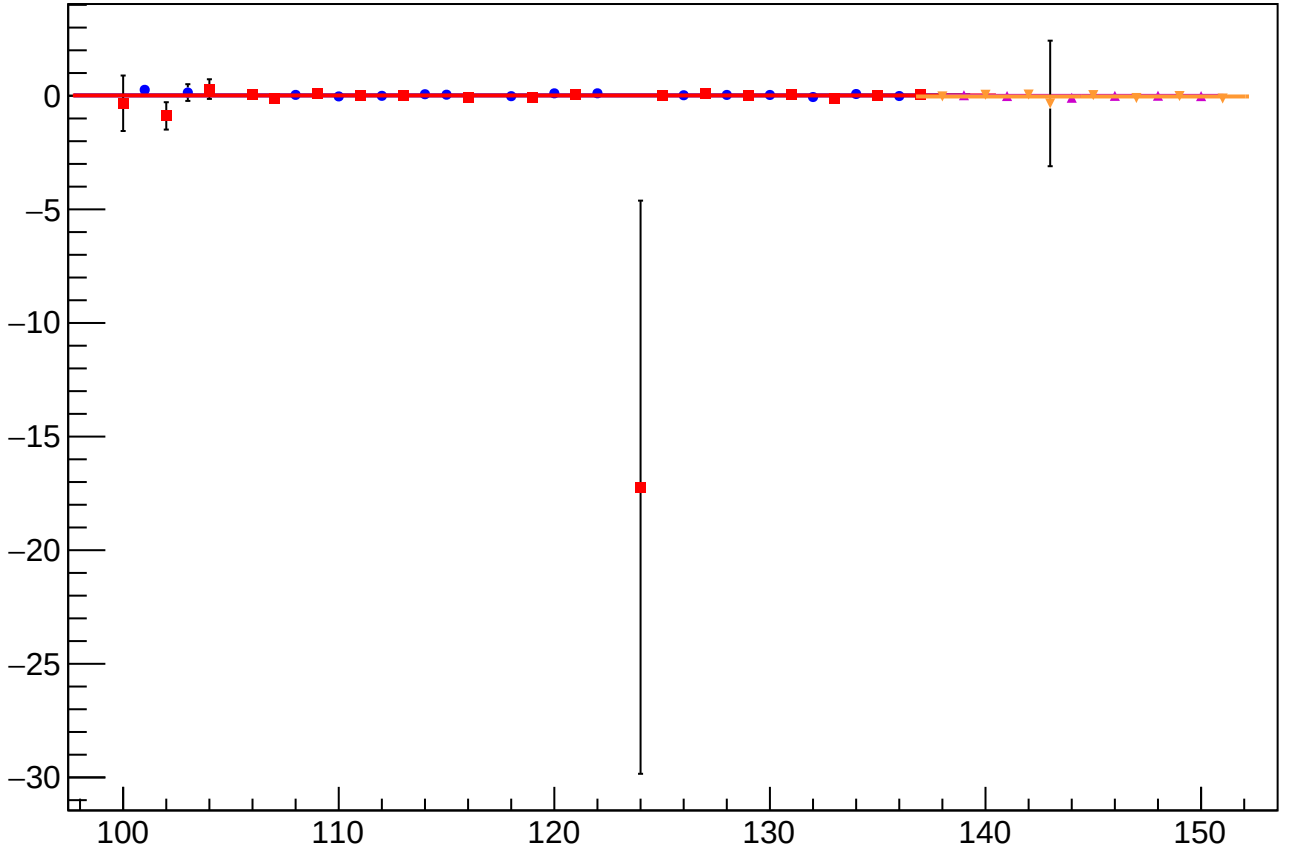
Left In: 32.274+/-0.011 χ^2/NDF:478490.9/5

+ sign 32.853+/-0.007 χ^2/NDF: 4337831.1/23

All: 33.178+/-0.005 χ^2/NDF: 7760523.5/48

- sign 33.538+/-0.008 χ^2/NDF: 3418662.0/24

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.032+/-0.014 χ^2/NDF:15.0/7

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

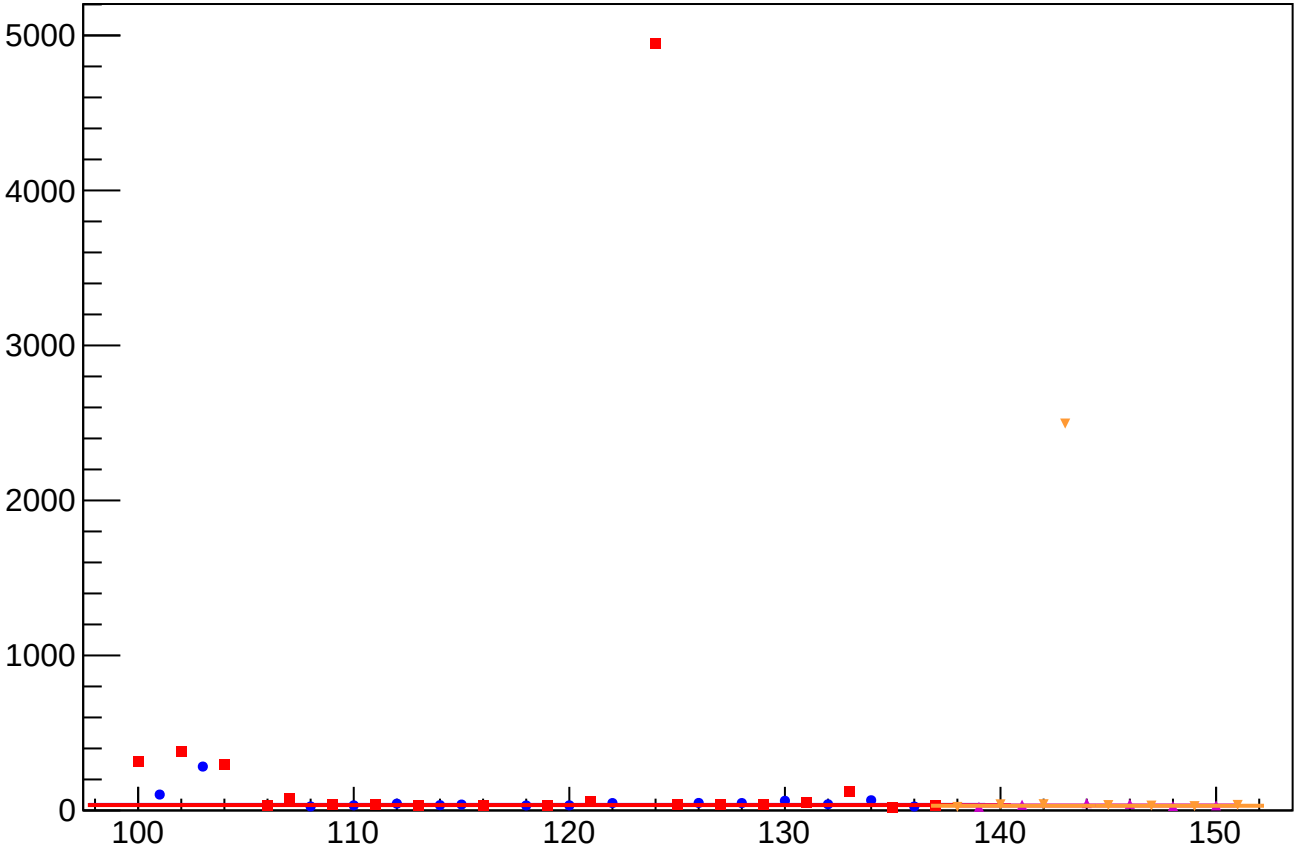
Left In: -0.005+/-0.016 χ^2/NDF:3.5/5

+ sign -0.009+/-0.011 χ^2/NDF: 31.8/23

All: -0.003+/-0.008 χ^2/NDF: 52.9/48

- sign 0.004+/-0.011 χ^2/NDF: 20.3/24

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 30.357+/-0.010 χ^2/NDF:1942632.7/7

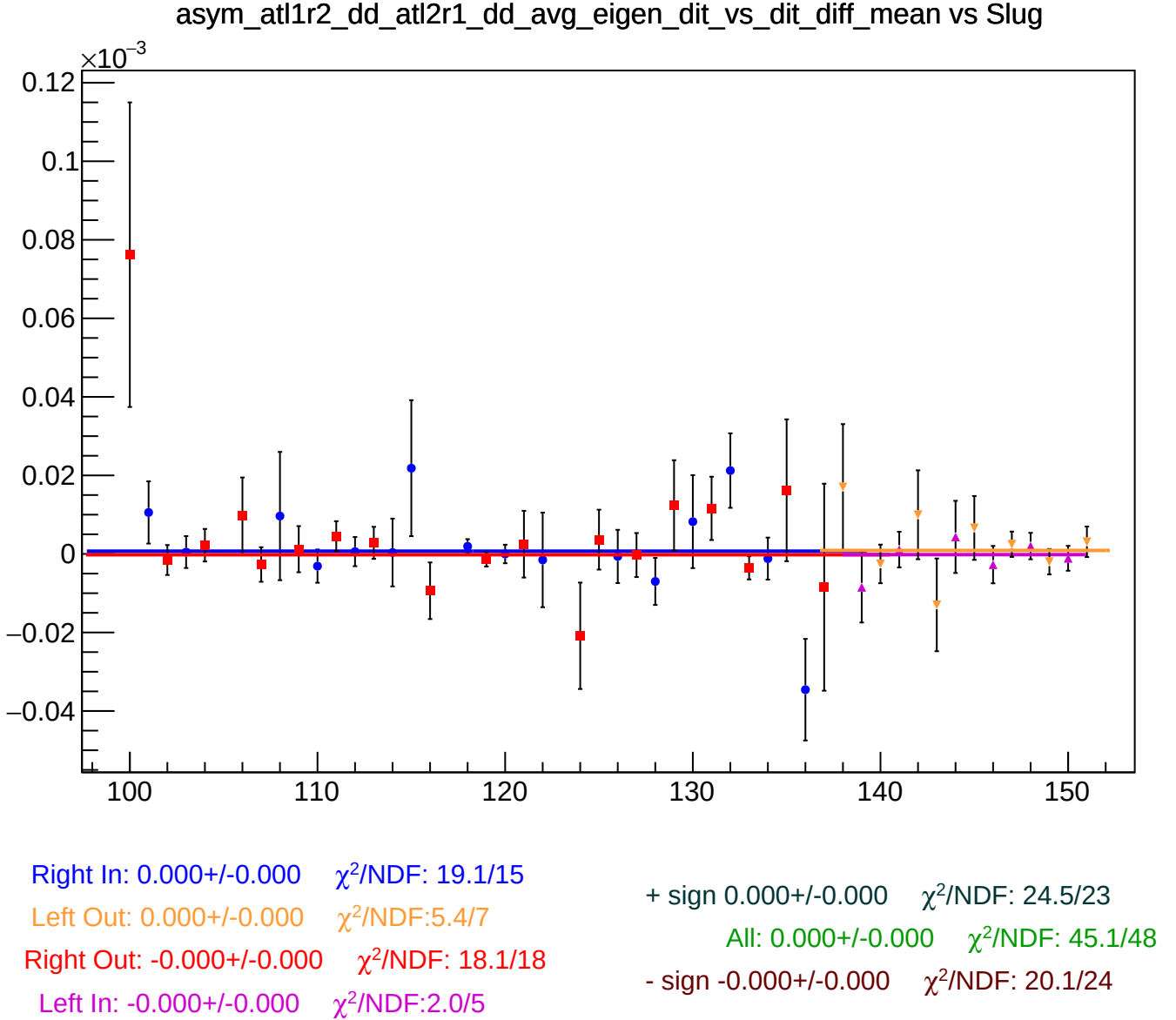
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

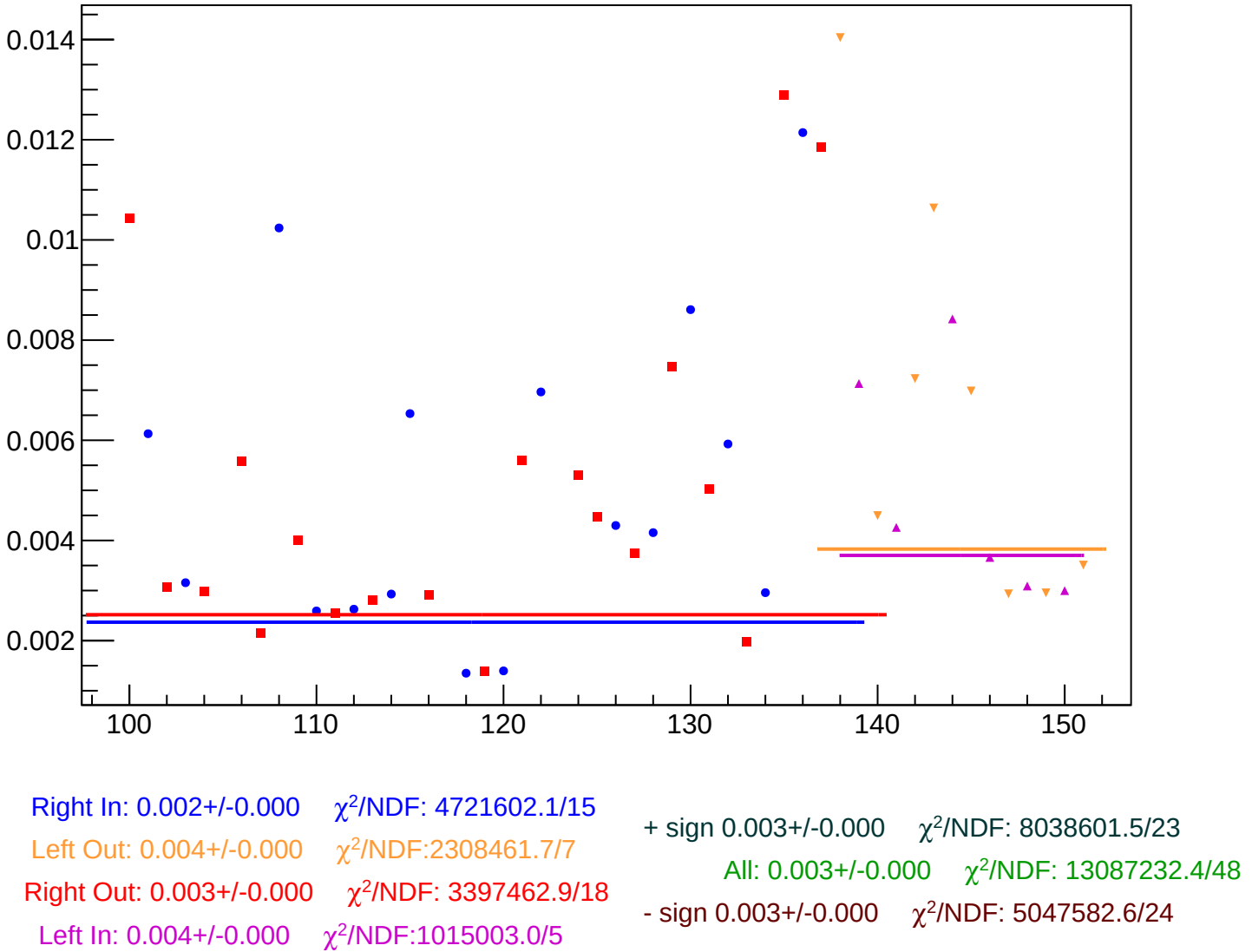
Left In: 32.274+/-0.011 χ^2/NDF:478490.9/5

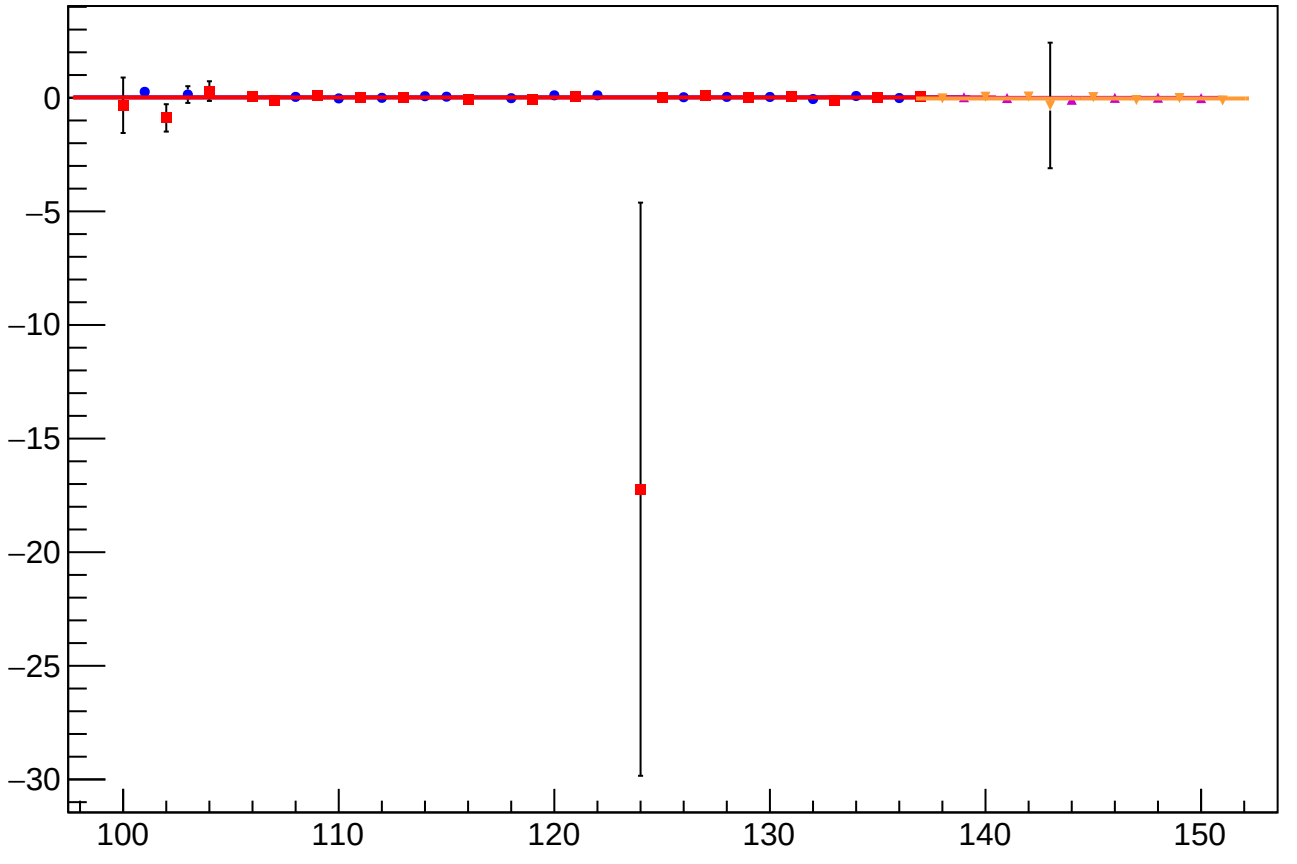
+ sign 32.853+/-0.007 χ^2/NDF: 4337831.1/23

All: 33.178+/-0.005 χ^2/NDF: 7760523.5/48

- sign 33.538+/-0.008 χ^2/NDF: 3418662.0/24


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 19.1/15
Left Out: 0.000+/-0.000 χ²/NDF:5.4/7
Right Out: -0.000+/-0.000 χ²/NDF: 18.1/18
Left In: -0.000+/-0.000 χ²/NDF:2.0/5
+ sign 0.000+/-0.000 χ²/NDF: 24.5/23
All: 0.000+/-0.000 χ²/NDF: 45.1/48
- sign -0.000+/-0.000 χ²/NDF: 20.1/24


asym_atl1r2_dd_atl2r1_dd_avg_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
Right In: 0.002+/-0.000 χ²/NDF: 4721602.1/15
Left Out: 0.004+/-0.000 χ²/NDF:2308461.7/7
Right Out: 0.003+/-0.000 χ²/NDF: 3397462.9/18
Left In: 0.004+/-0.000 χ²/NDF:1015003.0/5
+ sign 0.003+/-0.000 χ²/NDF: 8038601.5/23
All: 0.003+/-0.000 χ²/NDF: 13087232.4/48
- sign 0.003+/-0.000 χ²/NDF: 5047582.6/24



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.032+/-0.014 χ^2/NDF:15.0/7

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

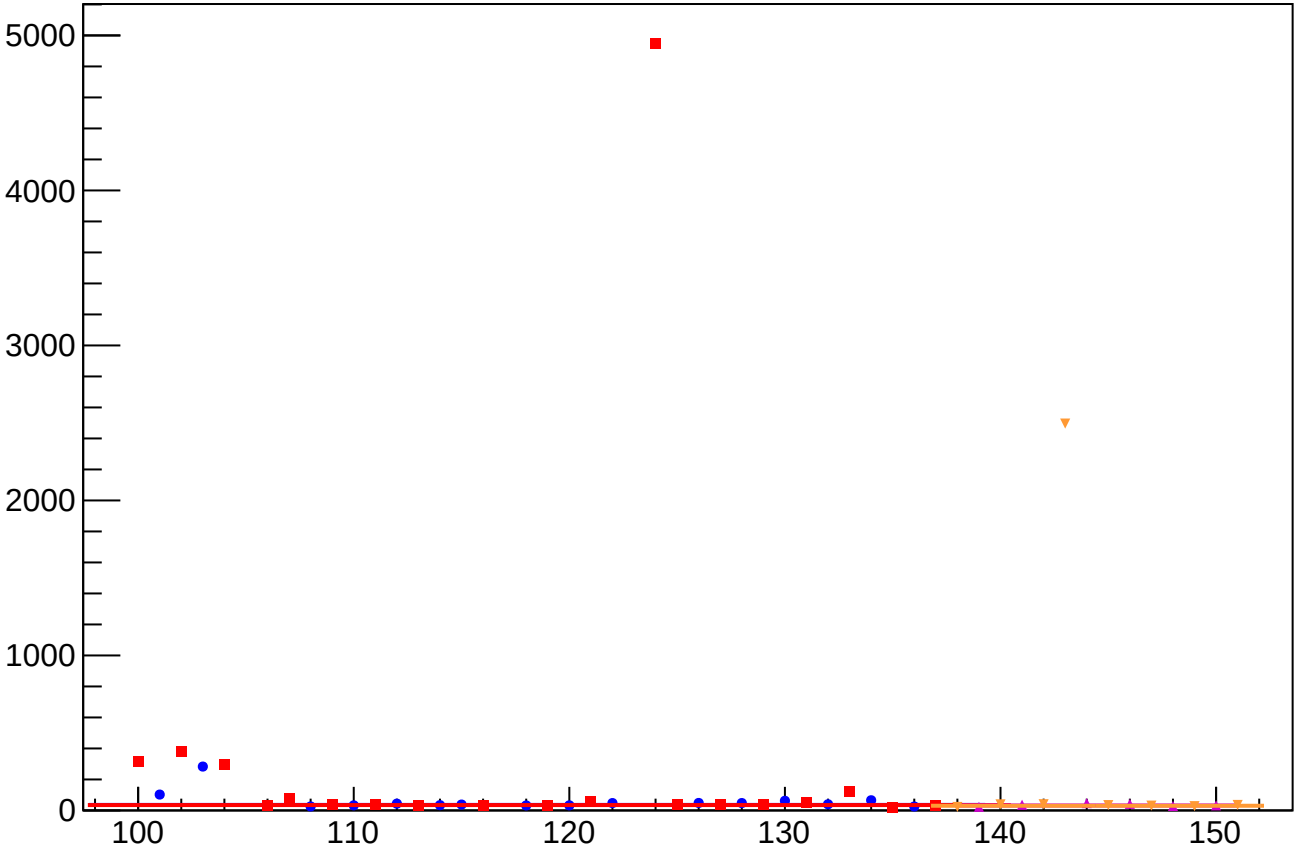
Left In: -0.005+/-0.016 χ^2/NDF:3.5/5

+ sign -0.009+/-0.011 χ^2/NDF: 31.8/23

All: -0.003+/-0.008 χ^2/NDF: 52.9/48

- sign 0.004+/-0.011 χ^2/NDF: 20.3/24

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 30.357+/-0.010 χ^2/NDF:1942865.4/7

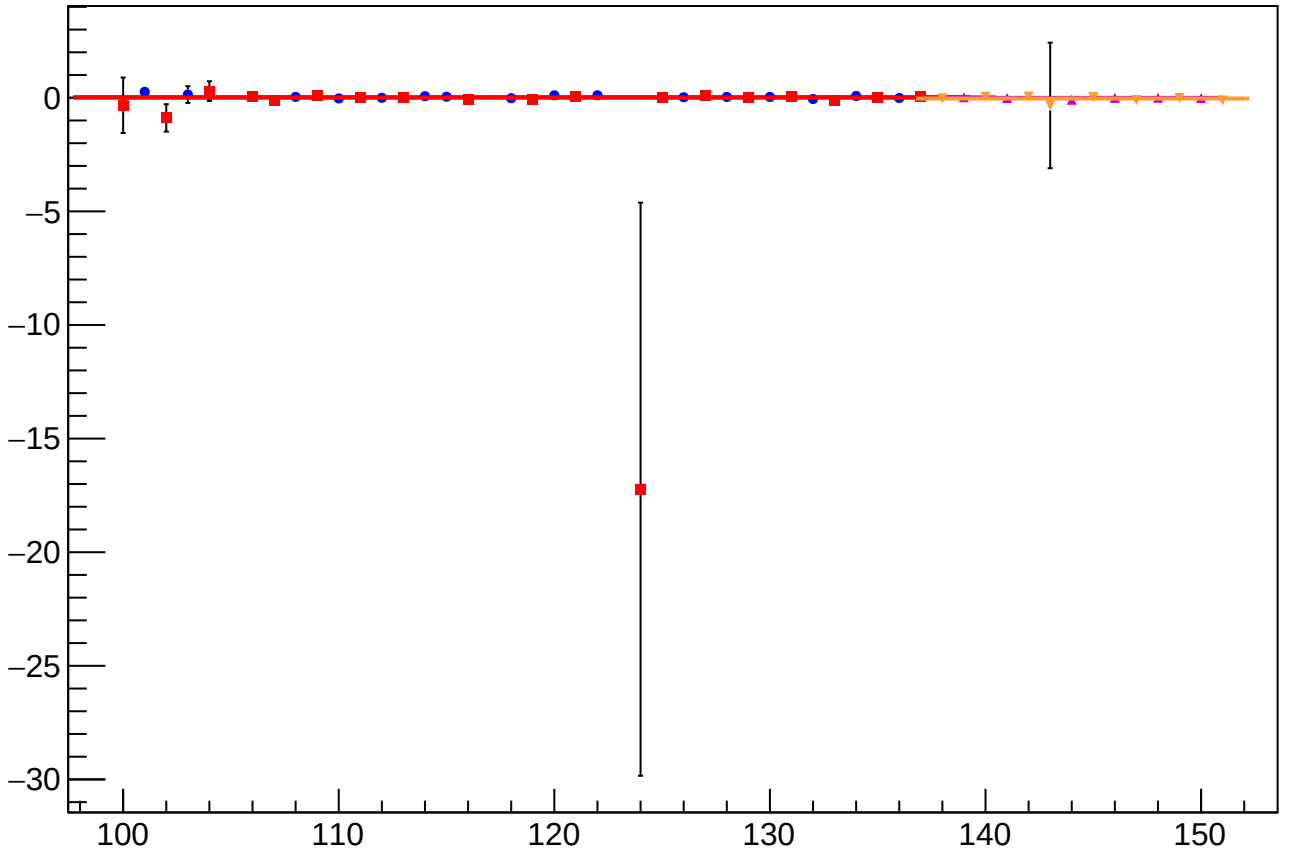
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.271+/-0.011 χ^2/NDF:478805.4/5

+ sign 32.853+/-0.007 χ^2/NDF: 4337866.0/23

All: 33.178+/-0.005 χ^2/NDF: 7760758.8/48

- sign 33.537+/-0.008 χ^2/NDF: 3418880.8/24



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.032+/-0.014 χ^2/NDF:15.0/7

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

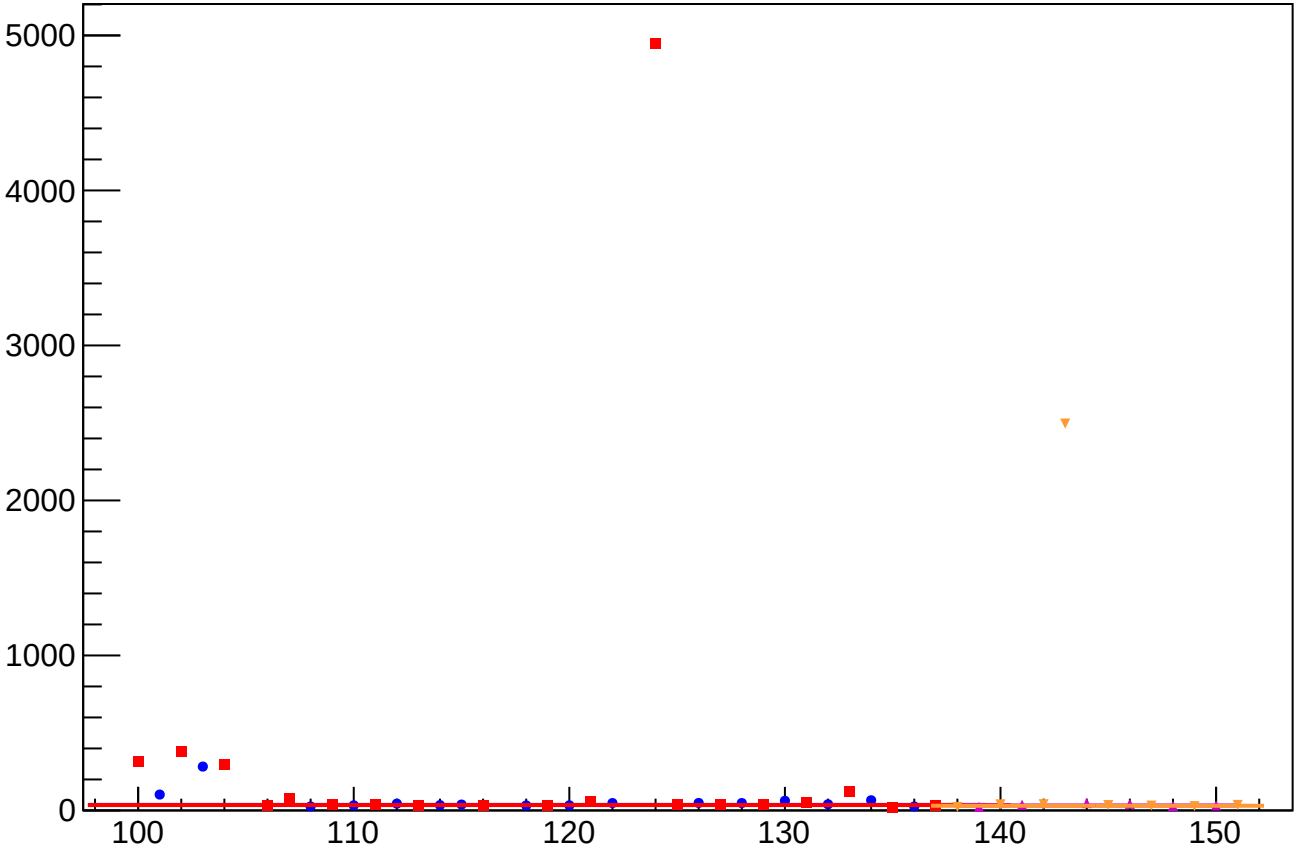
Left In: -0.005+/-0.016 χ^2/NDF:3.5/5

+ sign -0.009+/-0.011 χ^2/NDF: 31.8/23

All: -0.003+/-0.008 χ^2/NDF: 52.9/48

- sign 0.004+/-0.011 χ^2/NDF: 20.3/24

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 30.357+/-0.010 χ^2/NDF:1942865.4/7

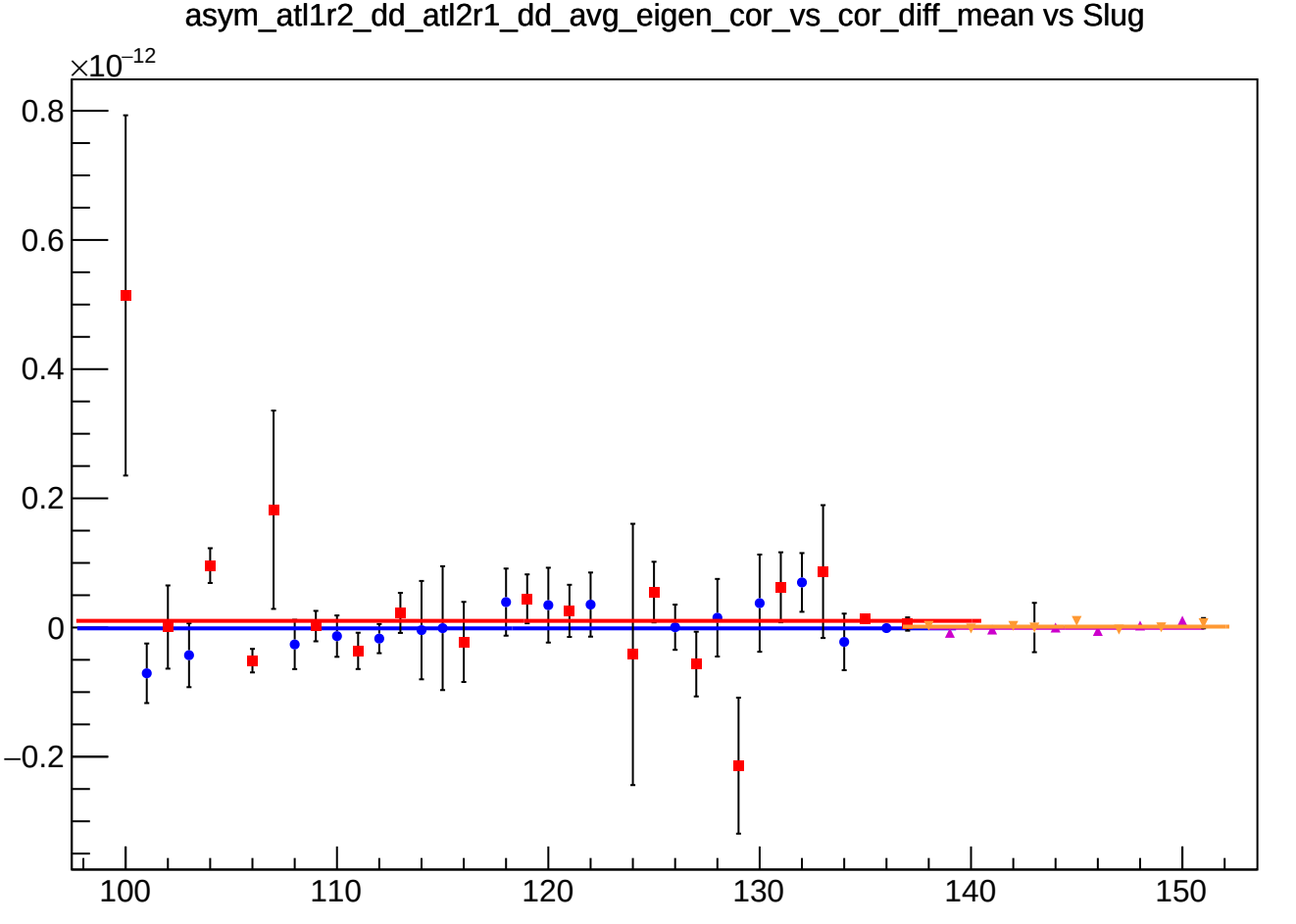
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.271+/-0.011 χ^2/NDF:478805.4/5

+ sign 32.853+/-0.007 χ^2/NDF: 4337866.0/23

All: 33.178+/-0.005 χ^2/NDF: 7760758.8/48

- sign 33.537+/-0.008 χ^2/NDF: 3418880.8/24



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.7/7

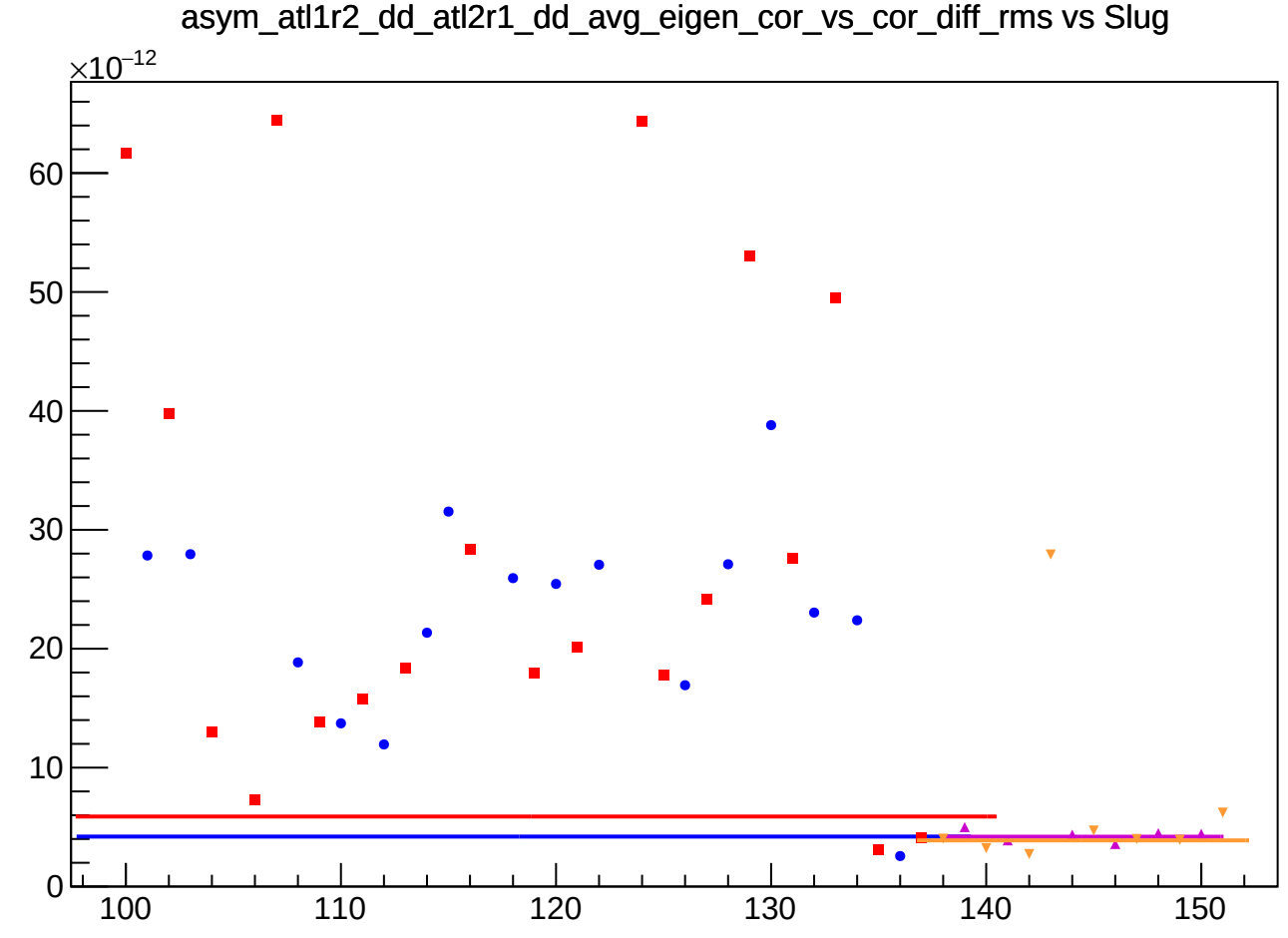
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: -0.000+/-0.000 χ^2/NDF:7.3/5

+ sign 0.000+/-0.000 χ^2/NDF: 12.8/23

All: 0.000+/-0.000 χ^2/NDF: 65.4/48

- sign 0.000+/-0.000 χ^2/NDF: 52.4/24



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1153607.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

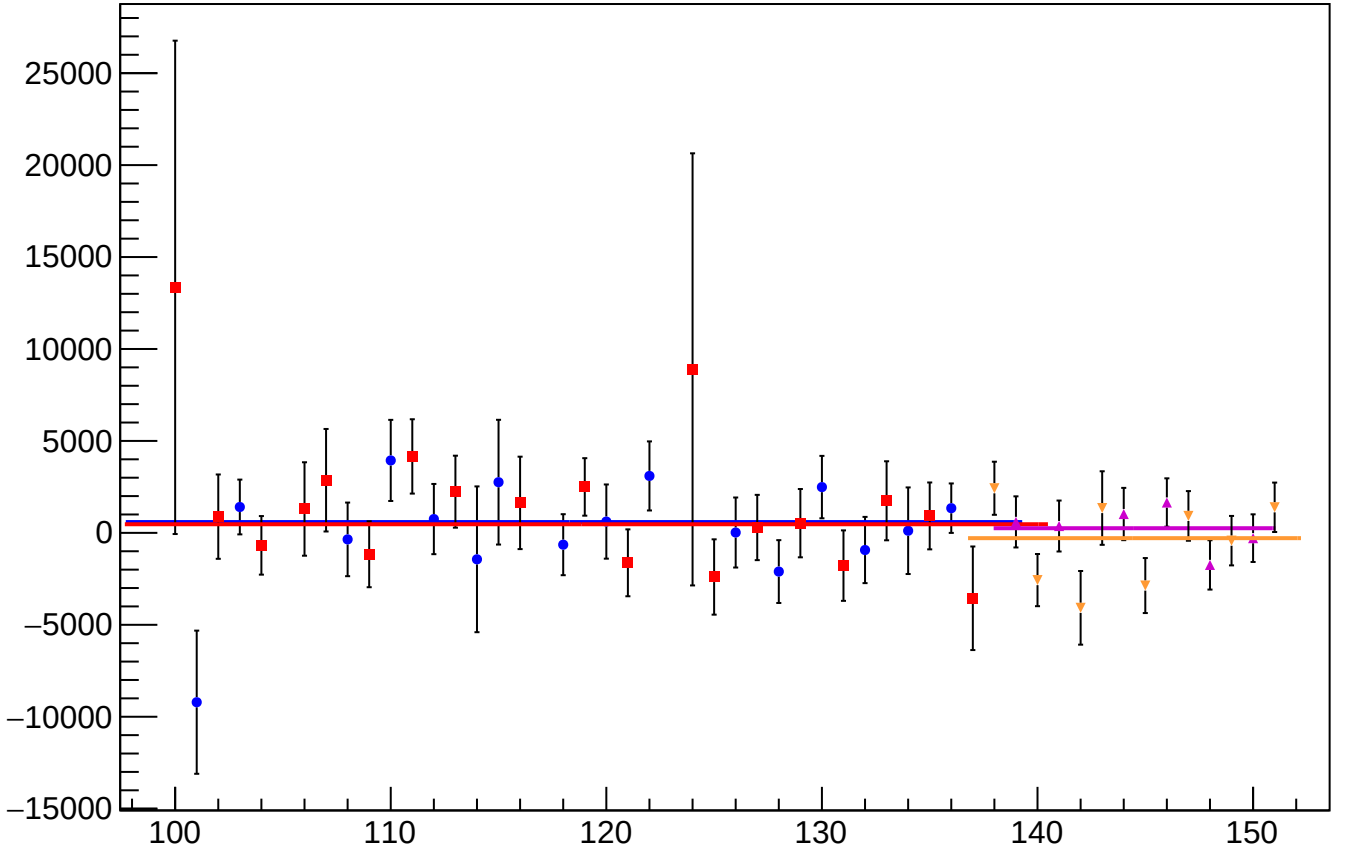
Left In: 0.000+/-0.000 χ^2/NDF:81514.2/5

+ sign 0.000+/-0.000 χ^2/NDF: 6246887.4/23

All: 0.000+/-0.000 χ^2/NDF: 11551896.9/48

- sign 0.000+/-0.000 χ^2/NDF: 5200448.8/24

reg_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -287.887+/-528.636 χ^2/NDF:15.7/7

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

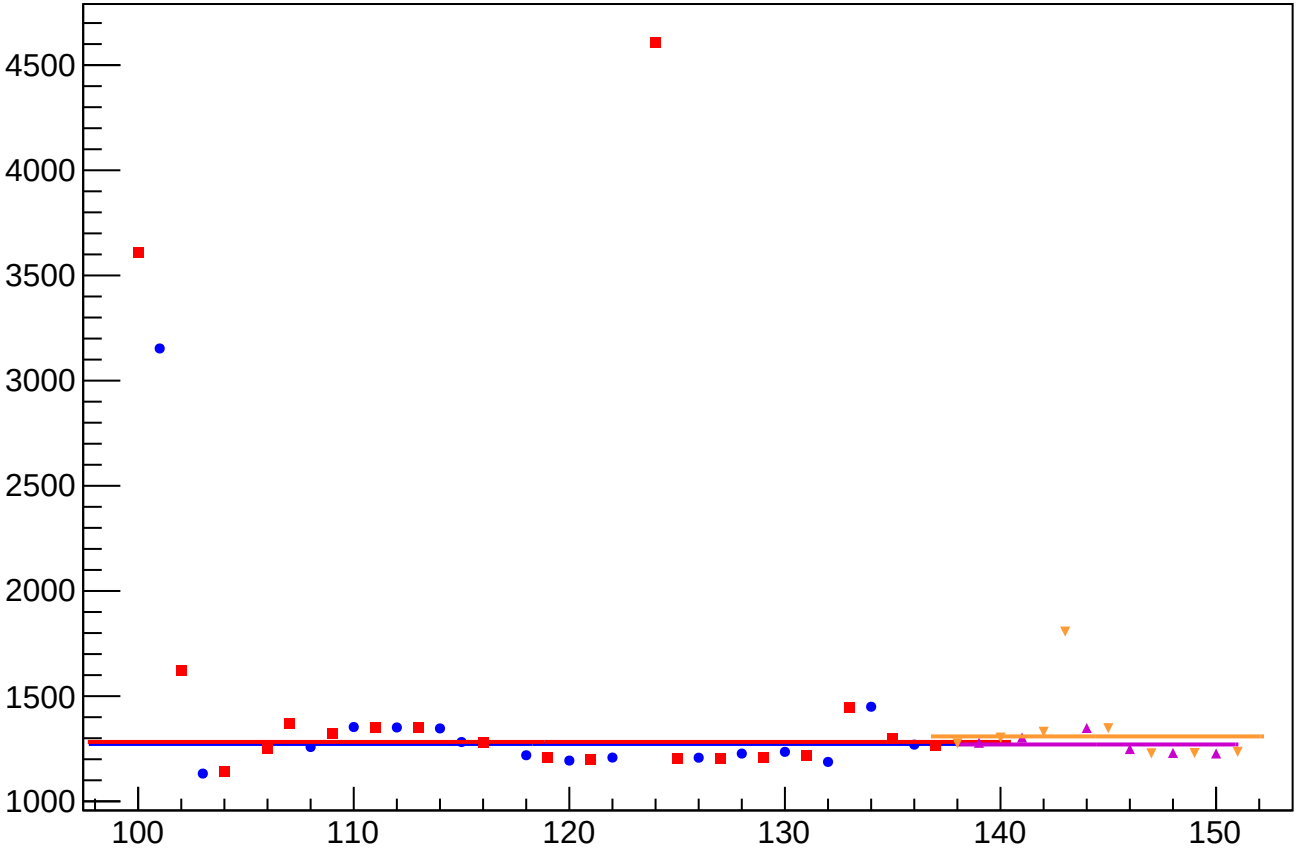
Left In: 252.912+/-553.517 χ^2/NDF:3.9/5

\+ sign 189.417+/-356.349 χ^2/NDF: 34.3/23

All: 281.090+/-254.248 χ^2/NDF: 55.2/48

\- sign 376.143+/-362.860 χ^2/NDF: 20.8/24

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1308.640+/-0.374 χ^2/NDF:146779.5/7

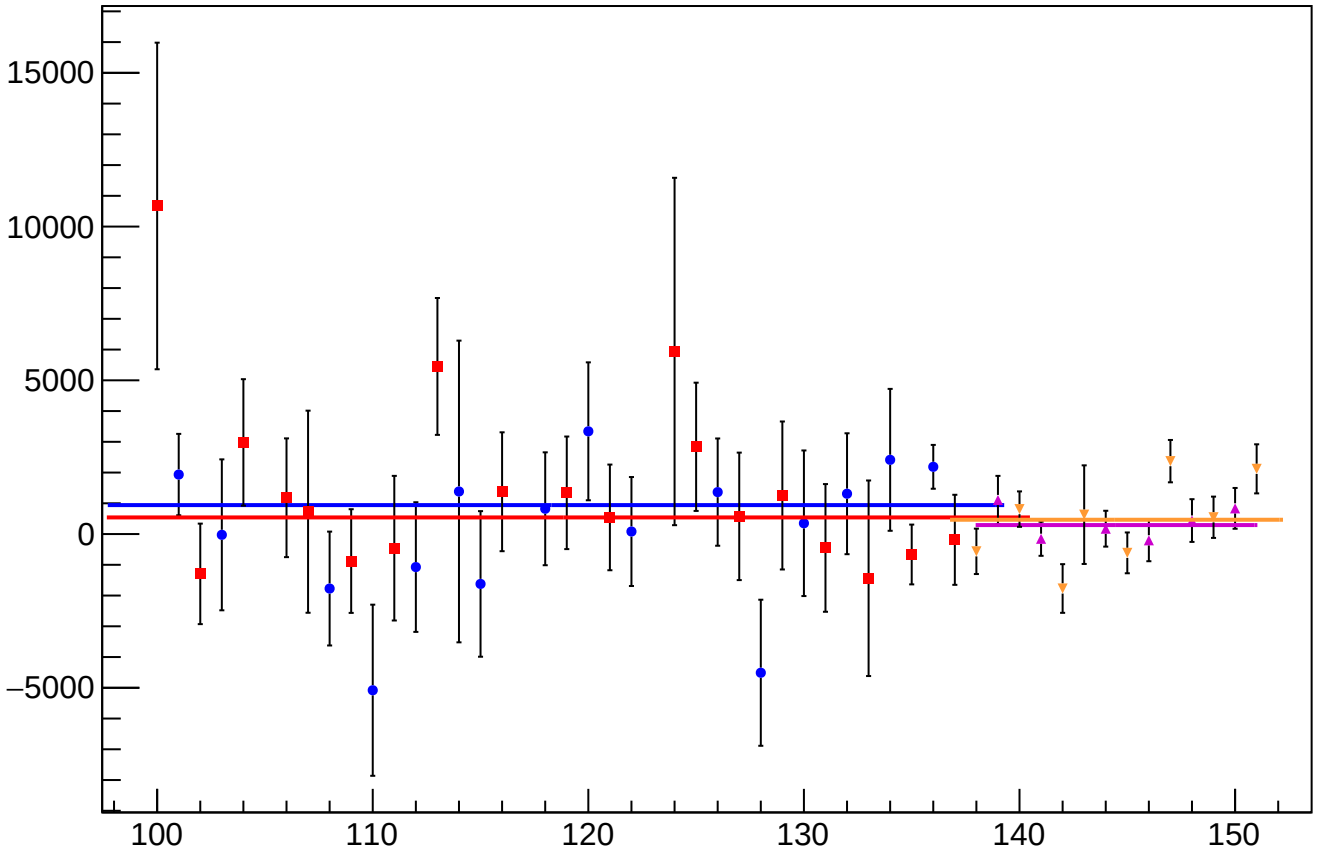
Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1270.279+/-0.391 χ^2/NDF:11792.1/5

+ sign 1289.088+/-0.252 χ^2/NDF: 671092.2/23

All: 1283.237+/-0.180 χ^2/NDF: 1006604.8/48

- sign 1277.171+/-0.257 χ^2/NDF: 334414.5/24



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 465.225+/-258.253 χ^2/NDF:24.9/7

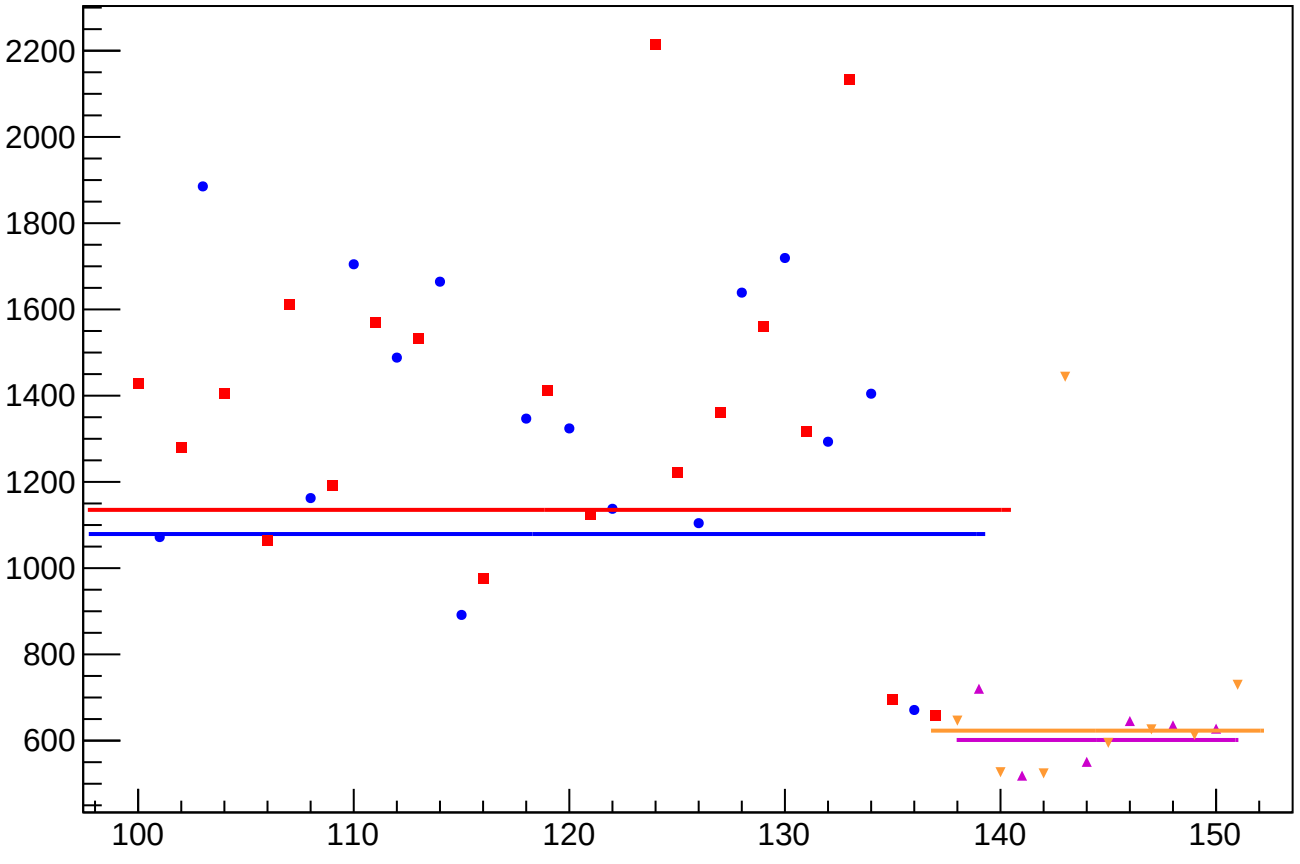
Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: 292.304+/-264.195 χ^2/NDF:3.0/5

+ sign 593.363+/-220.818 χ^2/NDF: 45.7/23

All: 478.726+/-158.108 χ^2/NDF: 66.7/48

- sign 358.128+/-226.488 χ^2/NDF: 20.4/24



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 623.157+/-0.183 χ^2/NDF:652859.0/7

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

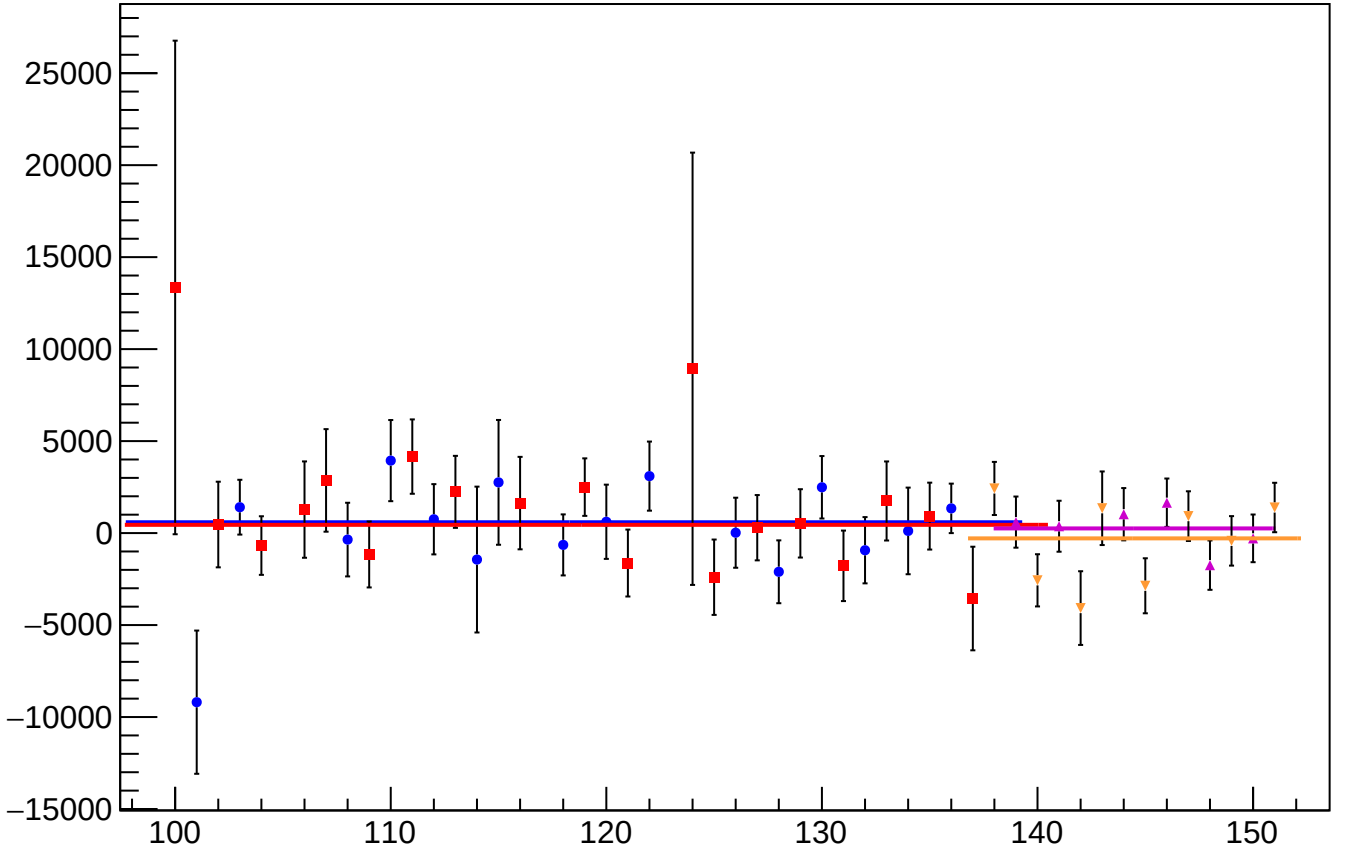
Left In: 601.520+/-0.187 χ^2/NDF:121857.1/5

\+ sign 745.763+/-0.156 χ^2/NDF: 3811509.2/23

All: 744.405+/-0.112 χ^2/NDF: 7389585.3/48

\- sign 742.976+/-0.160 χ^2/NDF: 3577920.8/24

cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -288.011+/-528.636 χ^2/NDF:15.7/7

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

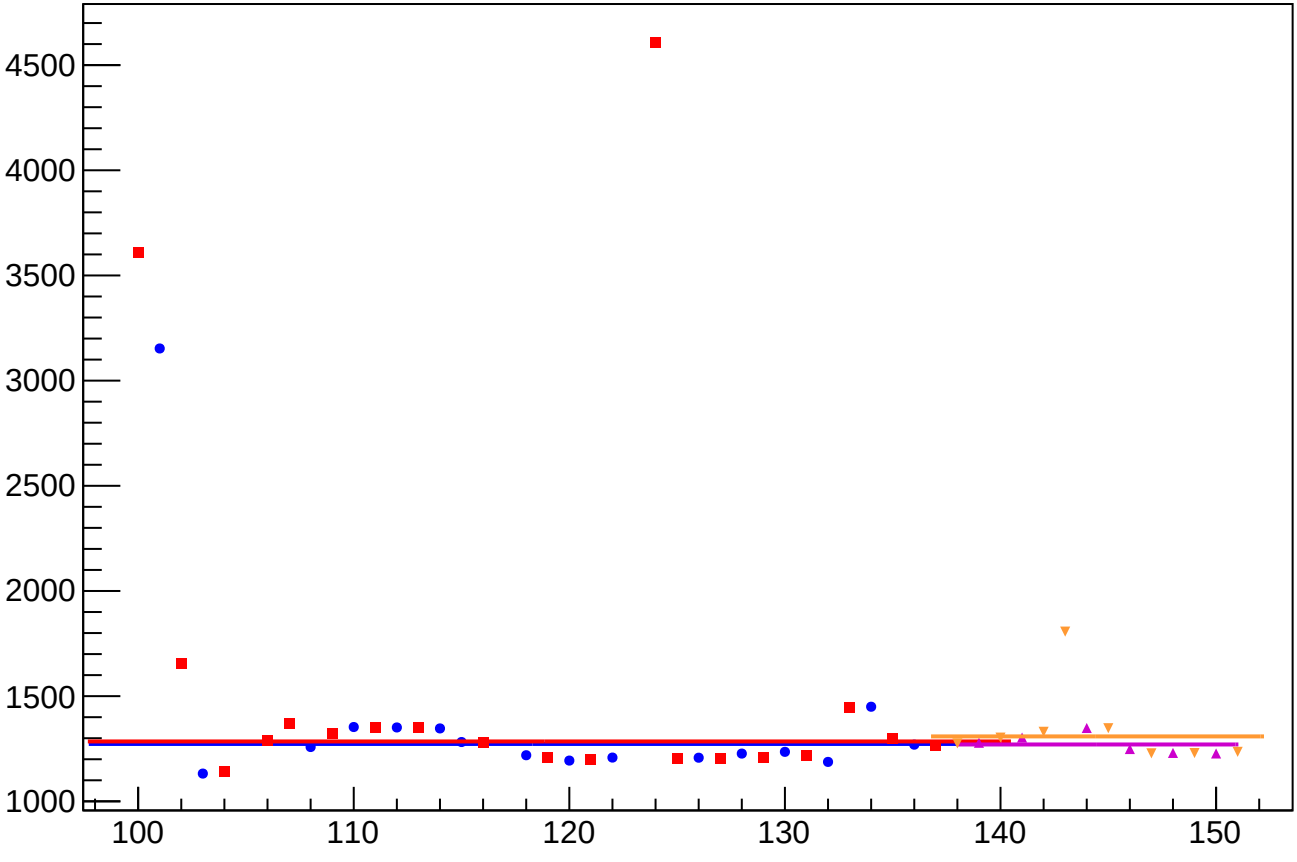
Left In: 252.908+/-553.517 χ^2/NDF:3.9/5

\+ sign 189.535+/-356.349 χ^2/NDF: 34.3/23

All: 275.217+/-254.368 χ^2/NDF: 55.1/48

\- sign 364.231+/-363.212 χ^2/NDF: 20.8/24

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1308.640+/-0.374 χ^2/NDF:146779.5/7

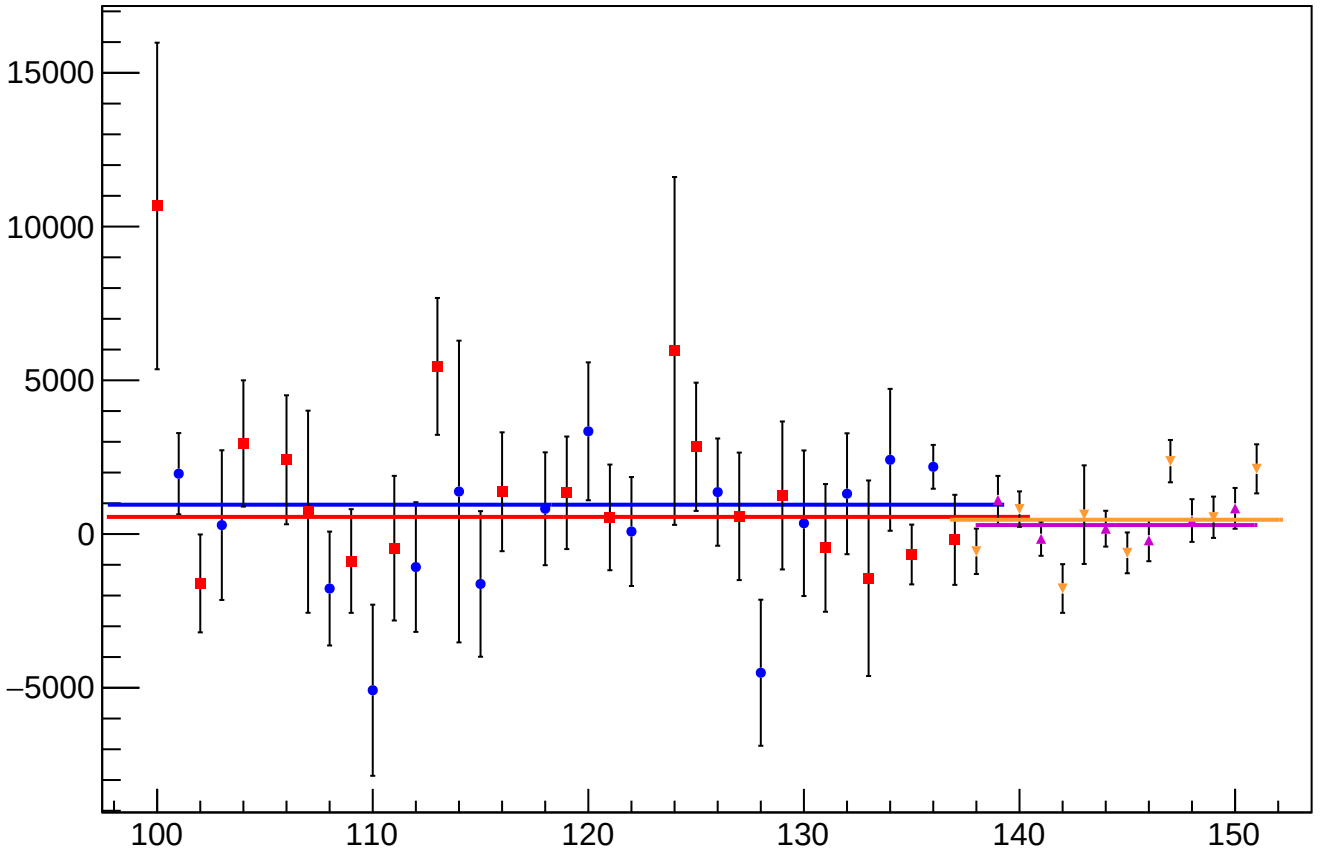
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1270.279+/-0.391 χ^2/NDF:11792.1/5

+ sign 1289.088+/-0.252 χ^2/NDF: 671093.7/23

All: 1283.877+/-0.180 χ^2/NDF: 1013260.6/48

- sign 1278.464+/-0.257 χ^2/NDF: 341295.1/24



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 465.199+/-258.256 χ^2/NDF:24.9/7

Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

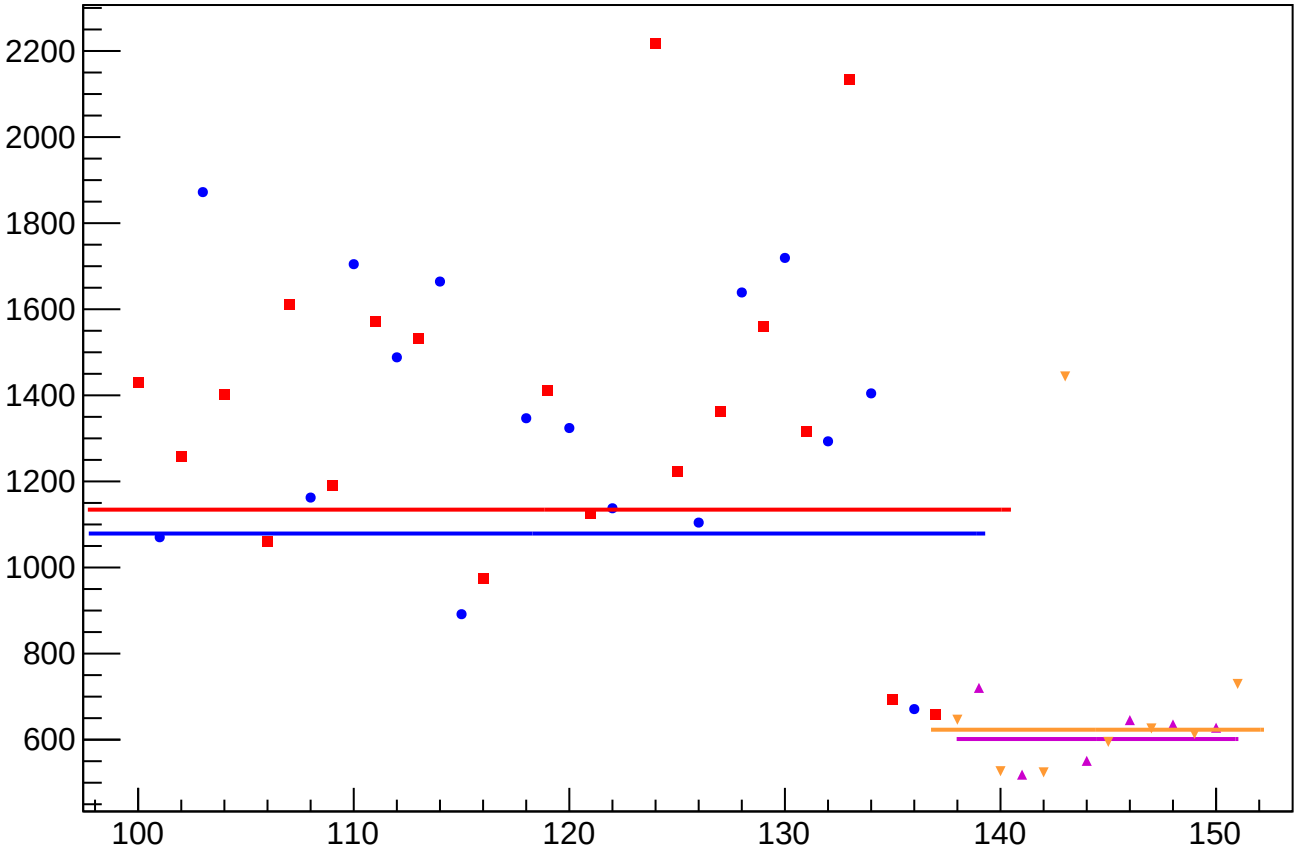
Left In: 292.399+/-264.193 χ^2/NDF:3.0/5

+ sign 596.757+/-220.796 χ^2/NDF: 45.7/23

All: 482.710+/-158.139 χ^2/NDF: 67.9/48

- sign 362.586+/-226.603 χ^2/NDF: 21.7/24

asym_at1_dd_at2_dd_avg_cor_correction_rms vs Slug



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 623.168+/-0.183 χ^2/NDF:652790.4/7

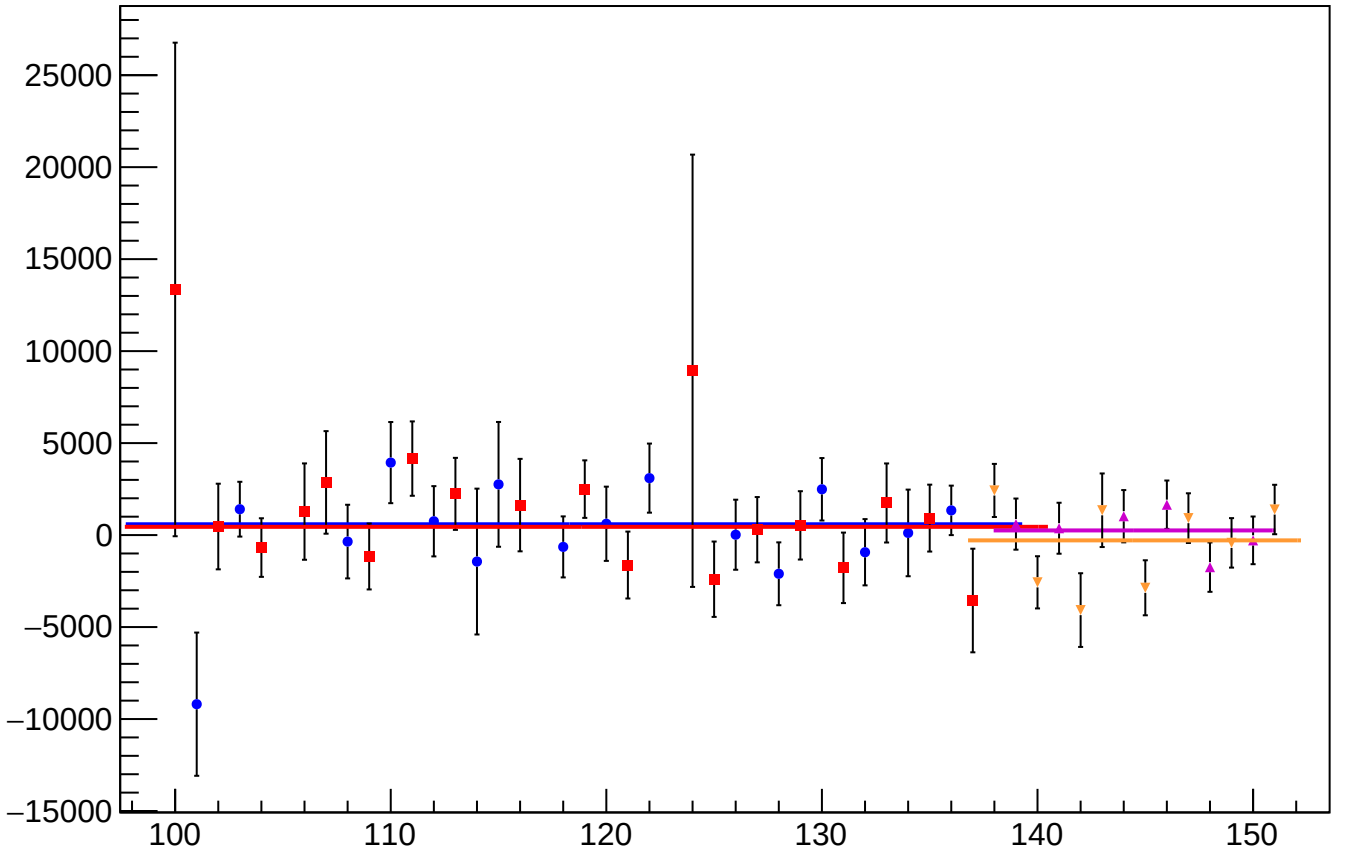
Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 601.515+/-0.187 χ^2/NDF:121881.1/5

+ sign 745.797+/-0.156 χ^2/NDF: 3807466.9/23

All: 744.130+/-0.112 χ^2/NDF: 7369436.9/48

- sign 742.374+/-0.160 χ^2/NDF: 3561735.8/24



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -288.011+/-528.636 χ^2/NDF:15.7/7

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

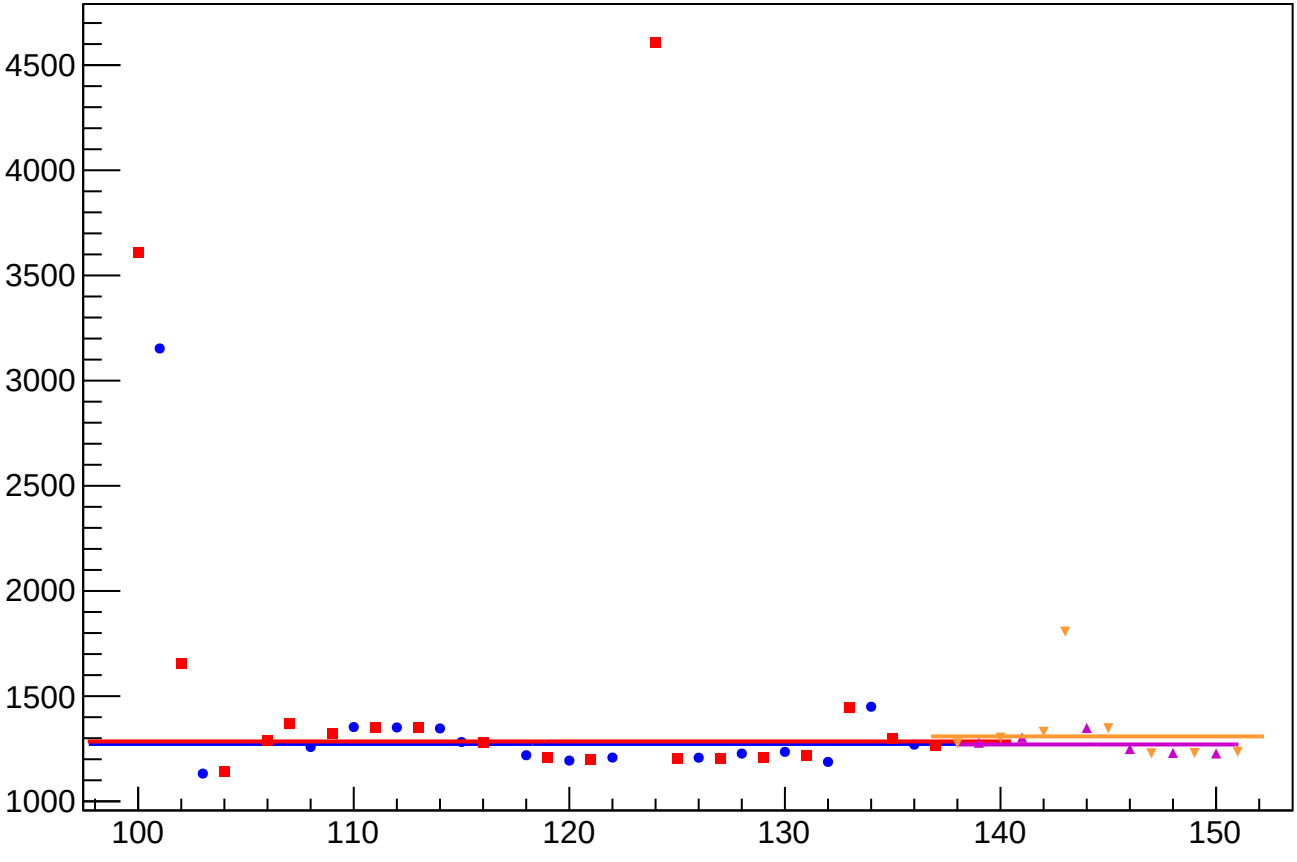
Left In: 252.908+/-553.517 χ^2/NDF:3.9/5

\+ sign 189.535+/-356.349 χ^2/NDF: 34.3/23

All: 275.217+/-254.368 χ^2/NDF: 55.1/48

\- sign 364.231+/-363.212 χ^2/NDF: 20.8/24

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: 1308.640+/-0.374 χ^2/NDF:146779.5/7

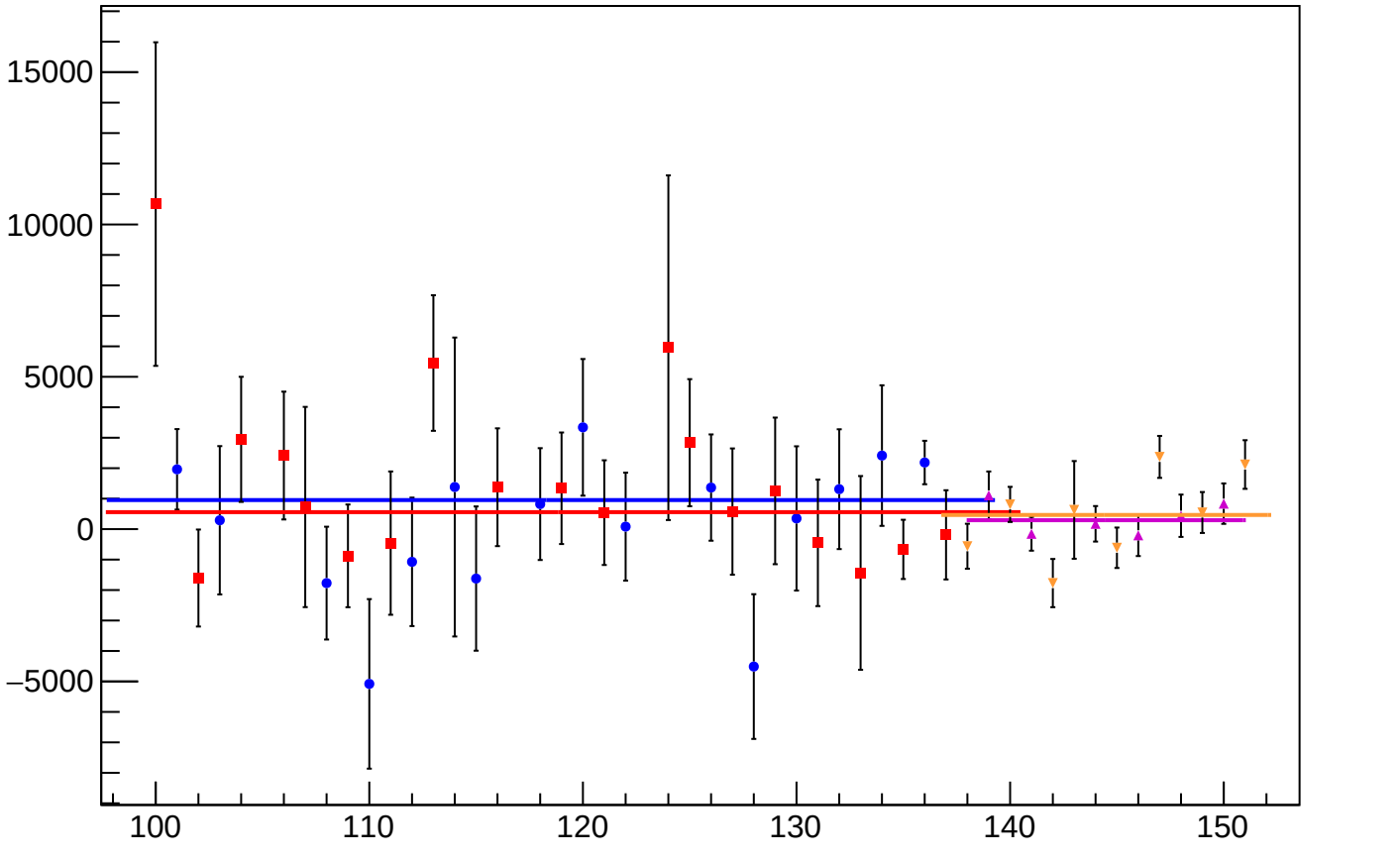
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1270.279+/-0.391 χ^2/NDF:11792.1/5

+ sign 1289.088+/-0.252 χ^2/NDF: 671093.7/23

All: 1283.877+/-0.180 χ^2/NDF: 1013260.6/48

- sign 1278.464+/-0.257 χ^2/NDF: 341295.1/24



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 465.199+/-258.256 χ^2/NDF:24.9/7

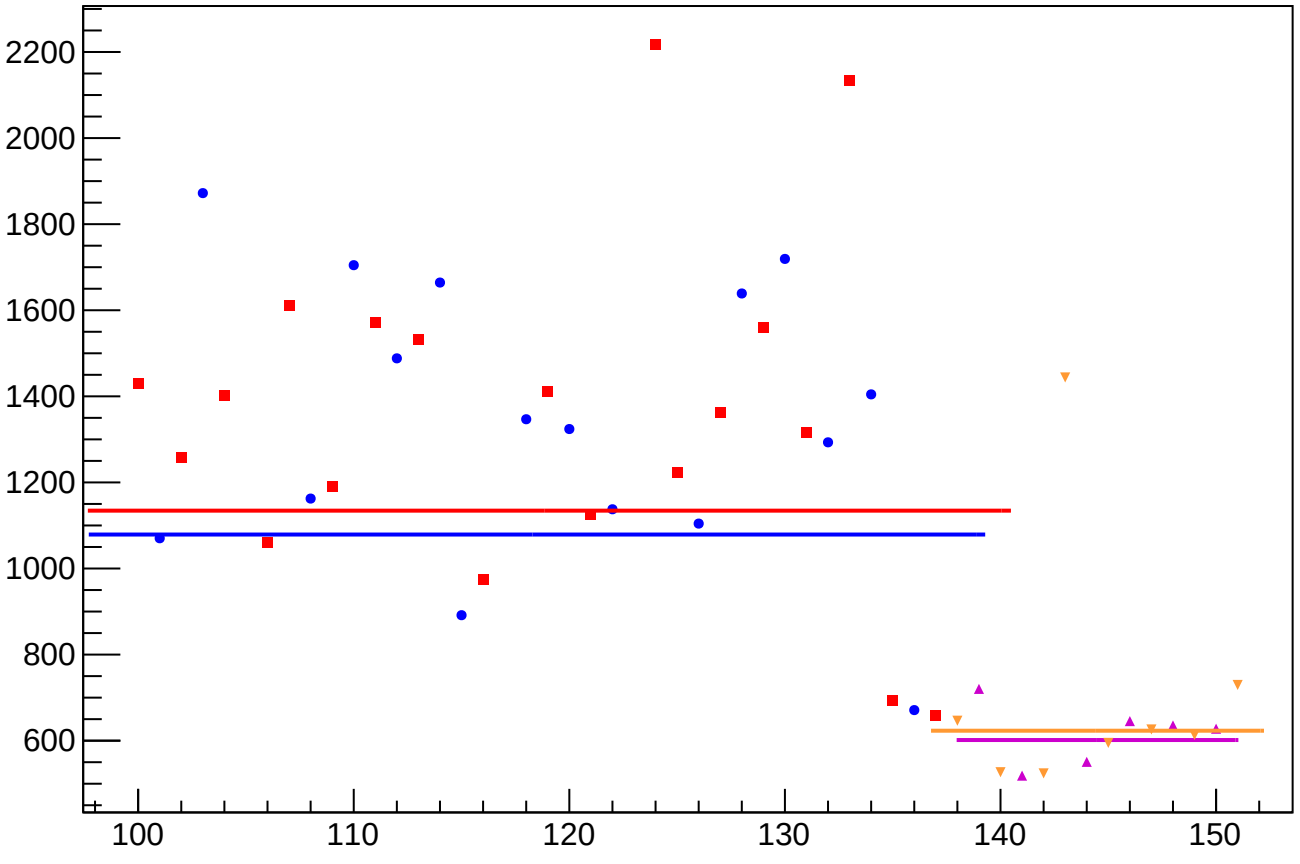
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 292.399+/-264.193 χ^2/NDF:3.0/5

+ sign 596.757+/-220.796 χ^2/NDF: 45.7/23

All: 482.710+/-158.139 χ^2/NDF: 67.9/48

- sign 362.586+/-226.603 χ^2/NDF: 21.7/24



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 623.168+/-0.183 χ^2/NDF:652790.4/7

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

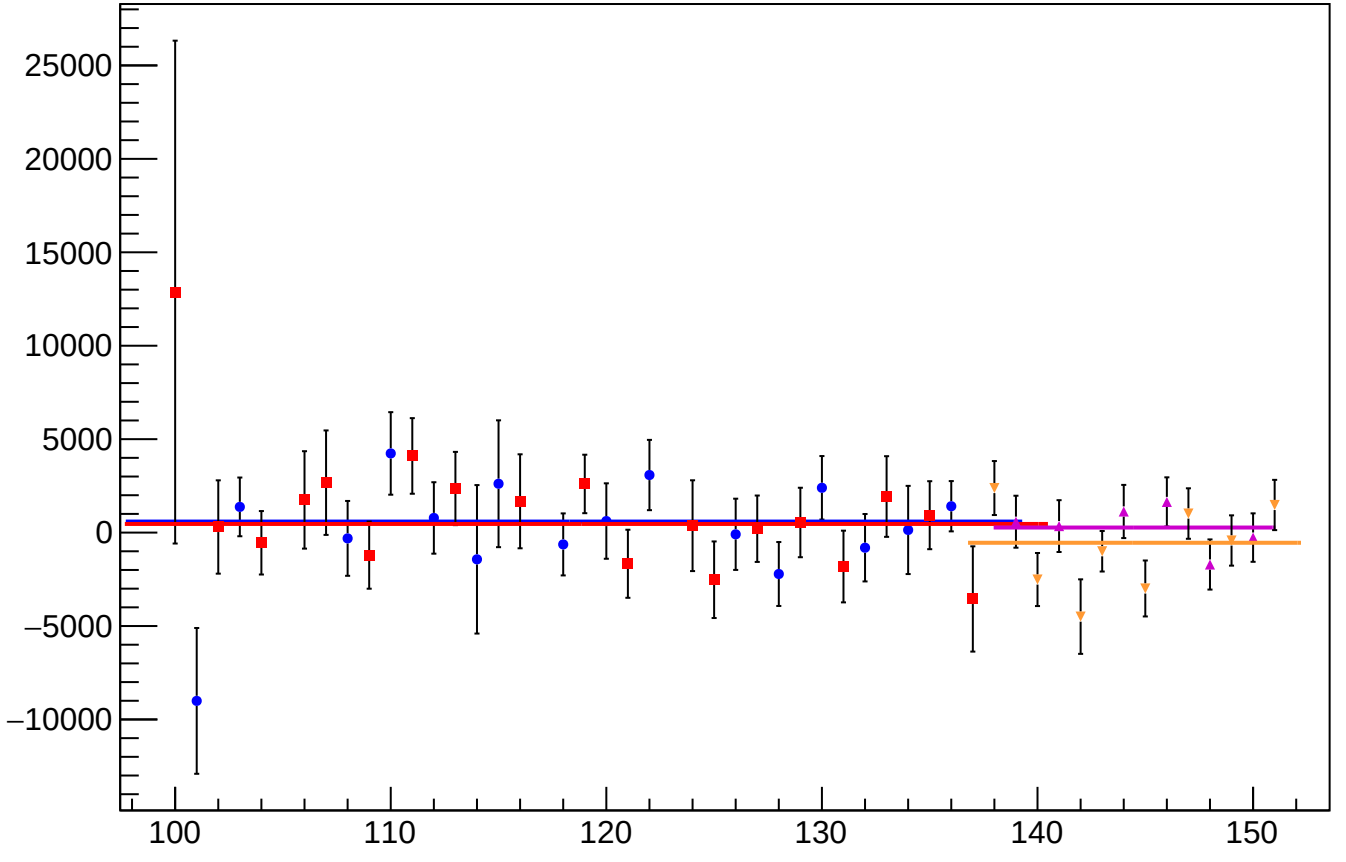
Left In: 601.515+/-0.187 χ^2/NDF:121881.1/5

\+ sign 745.797+/-0.156 χ^2/NDF: 3807466.9/23

All: 744.130+/-0.112 χ^2/NDF: 7369436.9/48

\- sign 742.374+/-0.160 χ^2/NDF: 3561735.8/24

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -544.649+/-489.278 χ^2/NDF:16.4/7

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

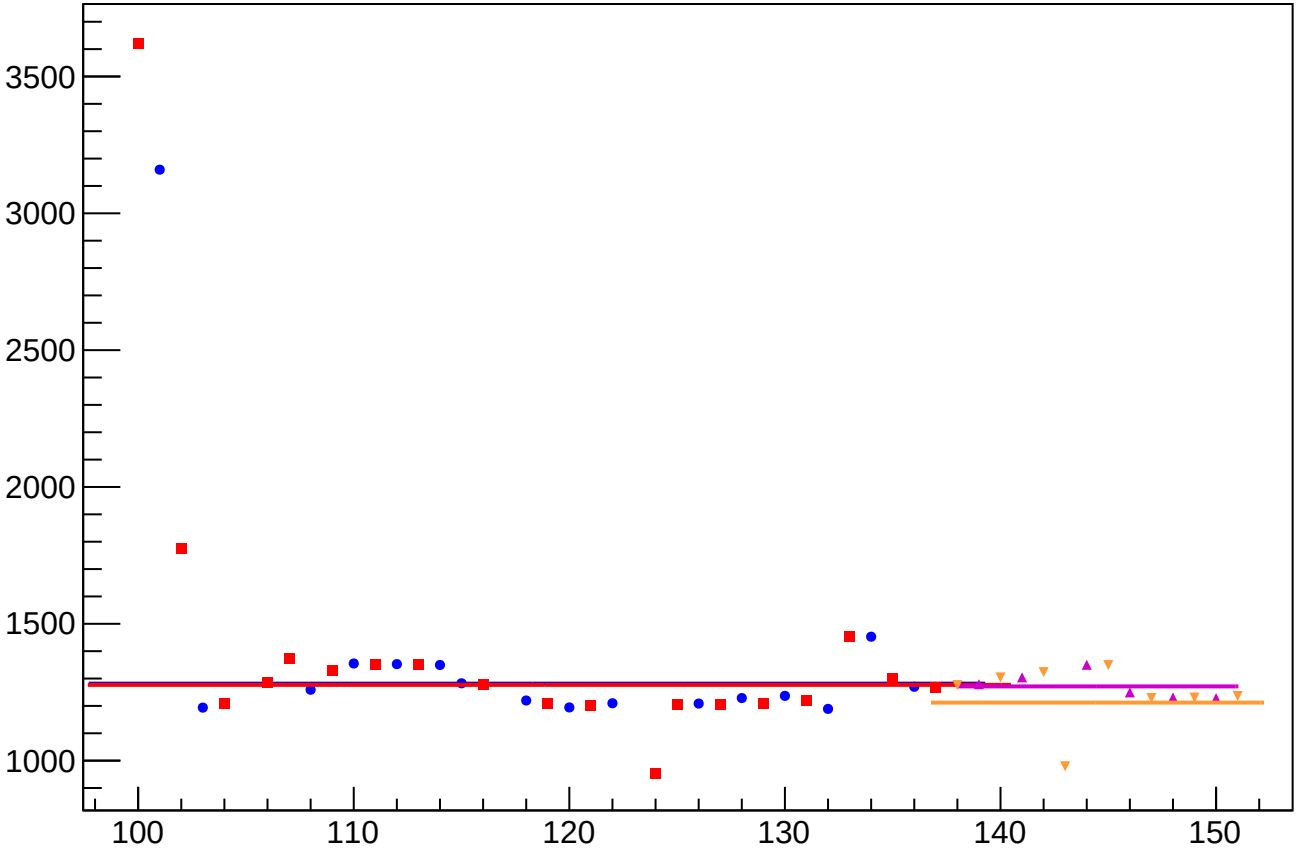
Left In: 270.724+/-553.947 χ^2/NDF:3.8/5

+ sign 27.255+/-344.622 χ^2/NDF: 36.2/23

All: 195.715+/-249.395 χ^2/NDF: 57.3/48

- sign 380.947+/-361.370 χ^2/NDF: 20.6/24

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1212.007+/-0.346 χ^2/NDF:128840.7/7

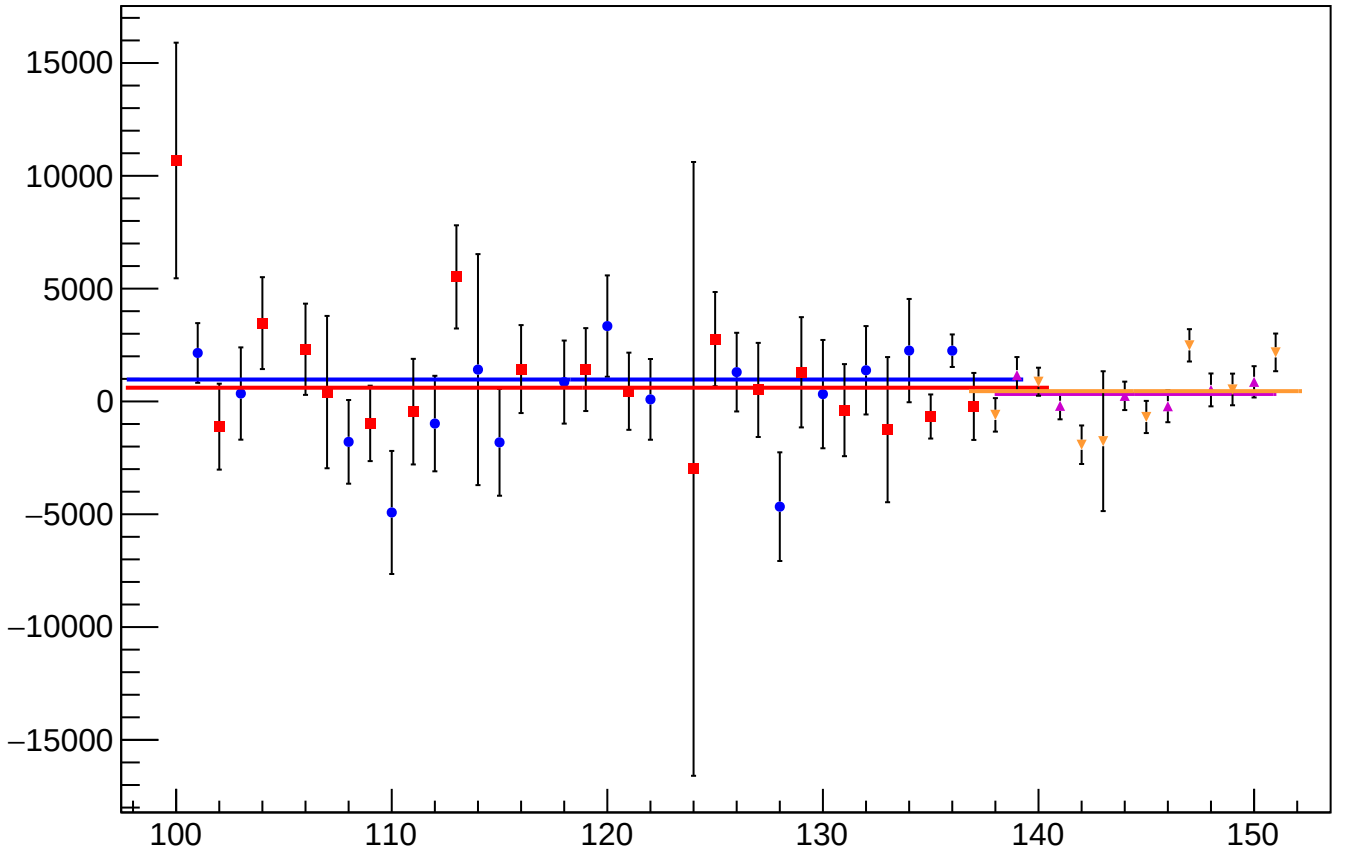
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1271.256+/-0.392 χ^2/NDF:11928.1/5

+ sign 1246.958+/-0.244 χ^2/NDF: 656172.5/23

All: 1260.064+/-0.176 χ^2/NDF: 894805.1/48

- sign 1274.475+/-0.256 χ^2/NDF: 232559.3/24



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 456.384+/-274.631 χ^2/NDF:25.5/7

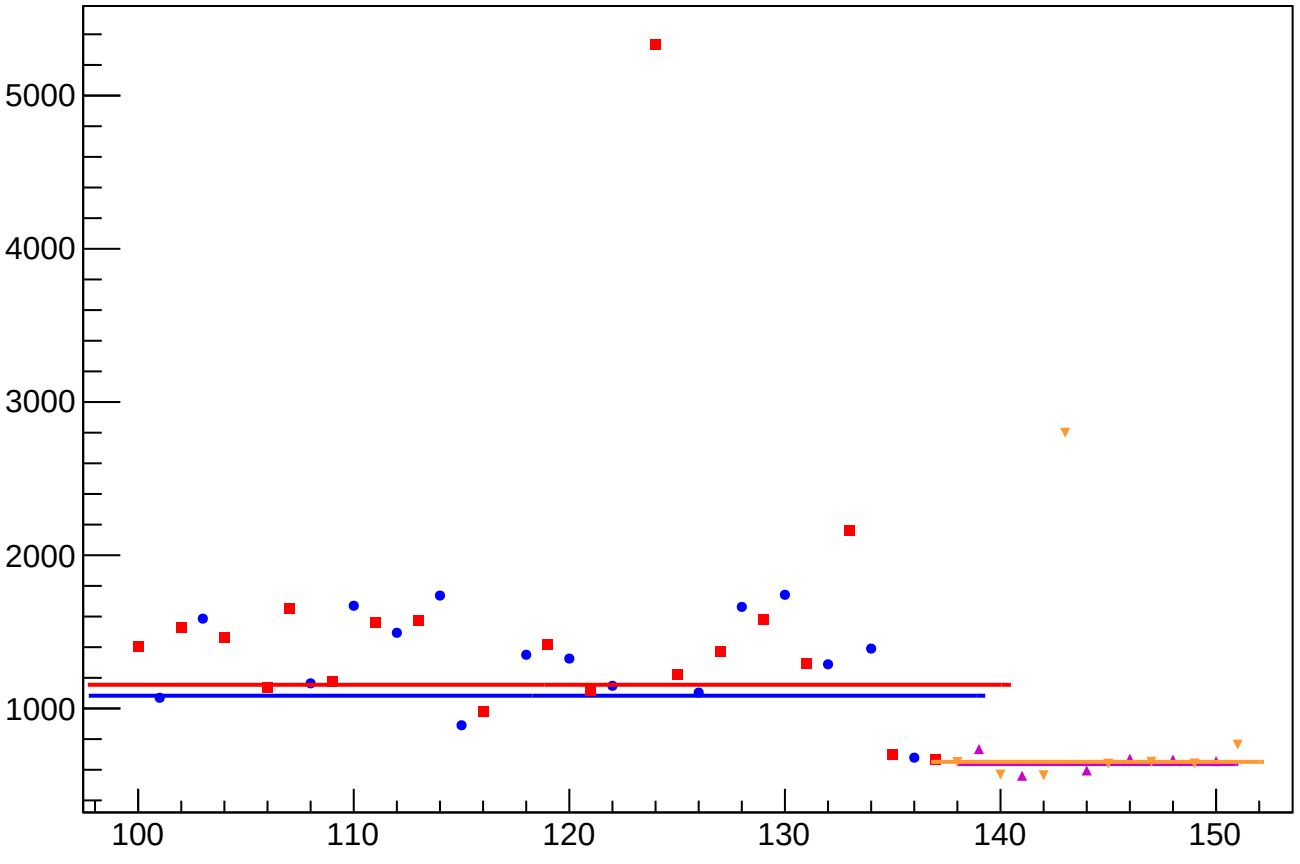
Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: 331.565+/-279.294 χ^2/NDF:3.1/5

+ sign 608.240+/-230.698 χ^2/NDF: 47.0/23

All: 511.350+/-165.301 χ^2/NDF: 67.9/48

- sign 409.121+/-236.969 χ^2/NDF: 20.5/24



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 651.678+/-0.194 χ^2/NDF:1054627.9/7

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

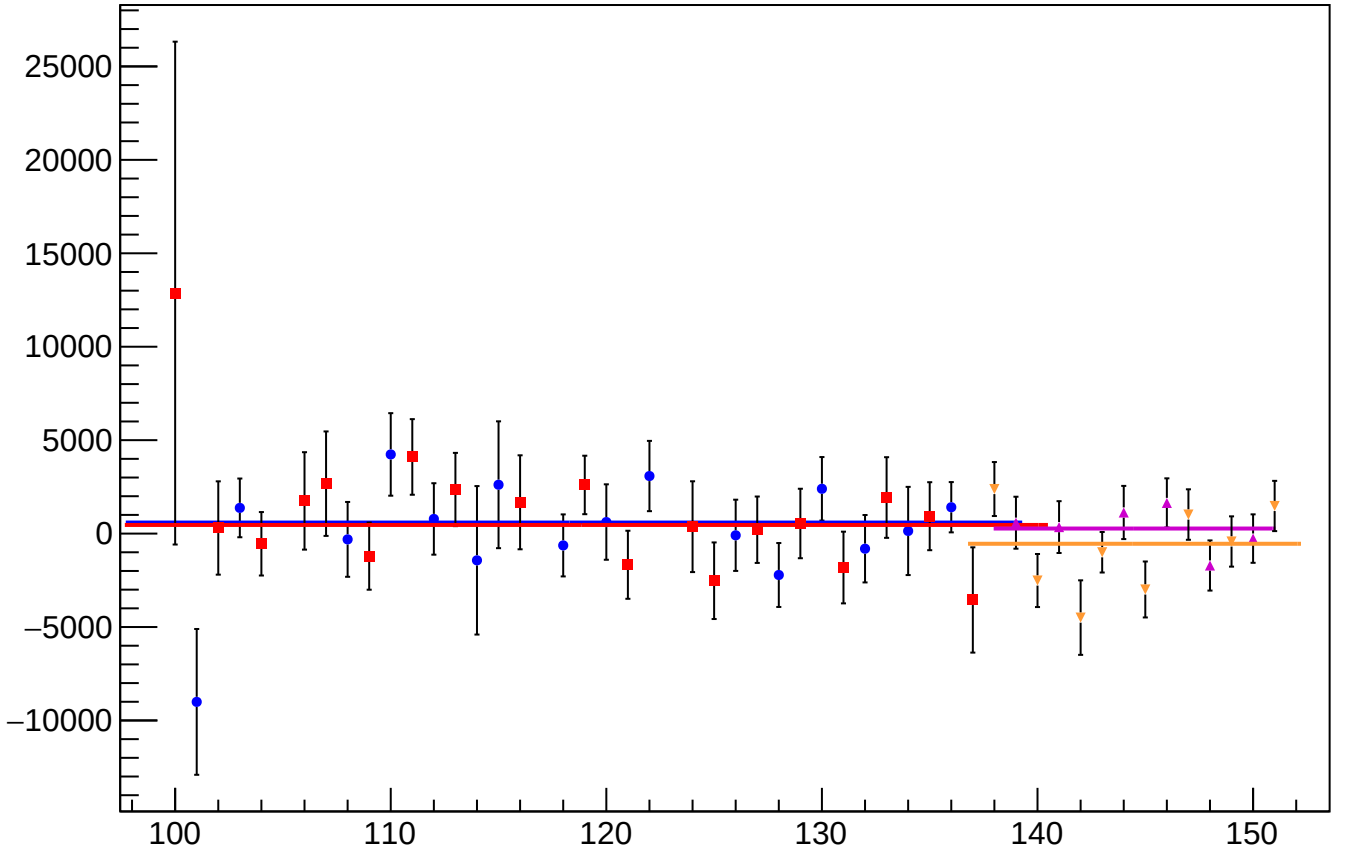
Left In: 637.333+/-0.197 χ^2/NDF:80882.0/5

+ sign 778.736+/-0.163 χ^2/NDF: 3869141.1/23

All: 780.453+/-0.117 χ^2/NDF: 7361152.5/48

- sign 782.265+/-0.168 χ^2/NDF: 3491783.7/24

eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -544.650+/-489.278 χ^2/NDF:16.4/7

Right Out: 462.605+/-476.795 χ^2/NDF: 16.7/18

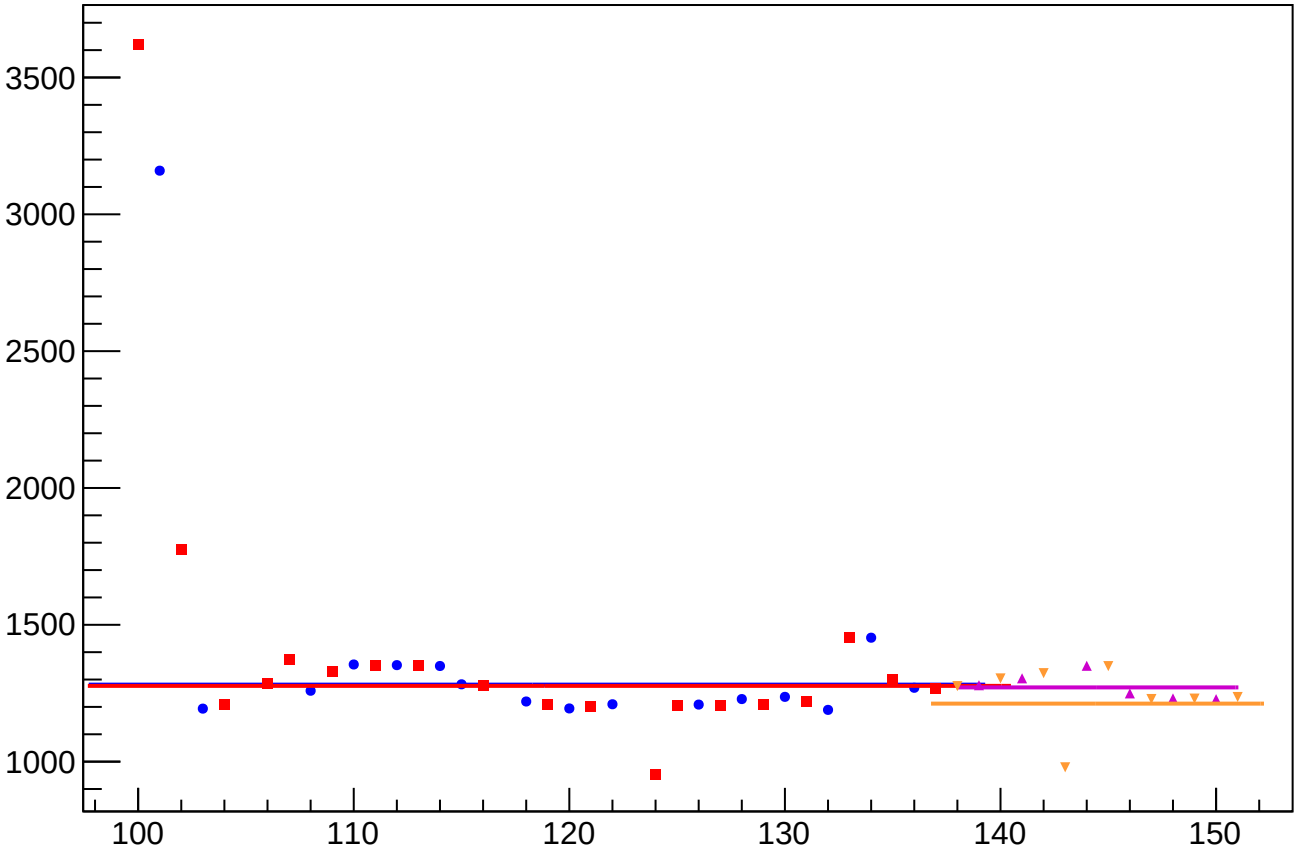
Left In: 270.727+/-553.947 χ^2/NDF:3.8/5

+ sign 27.256+/-344.622 χ^2/NDF: 36.2/23

All: 195.716+/-249.395 χ^2/NDF: 57.3/48

- sign 380.948+/-361.370 χ^2/NDF: 20.6/24

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: 1212.007+/-0.346 χ^2/NDF:128840.0/7

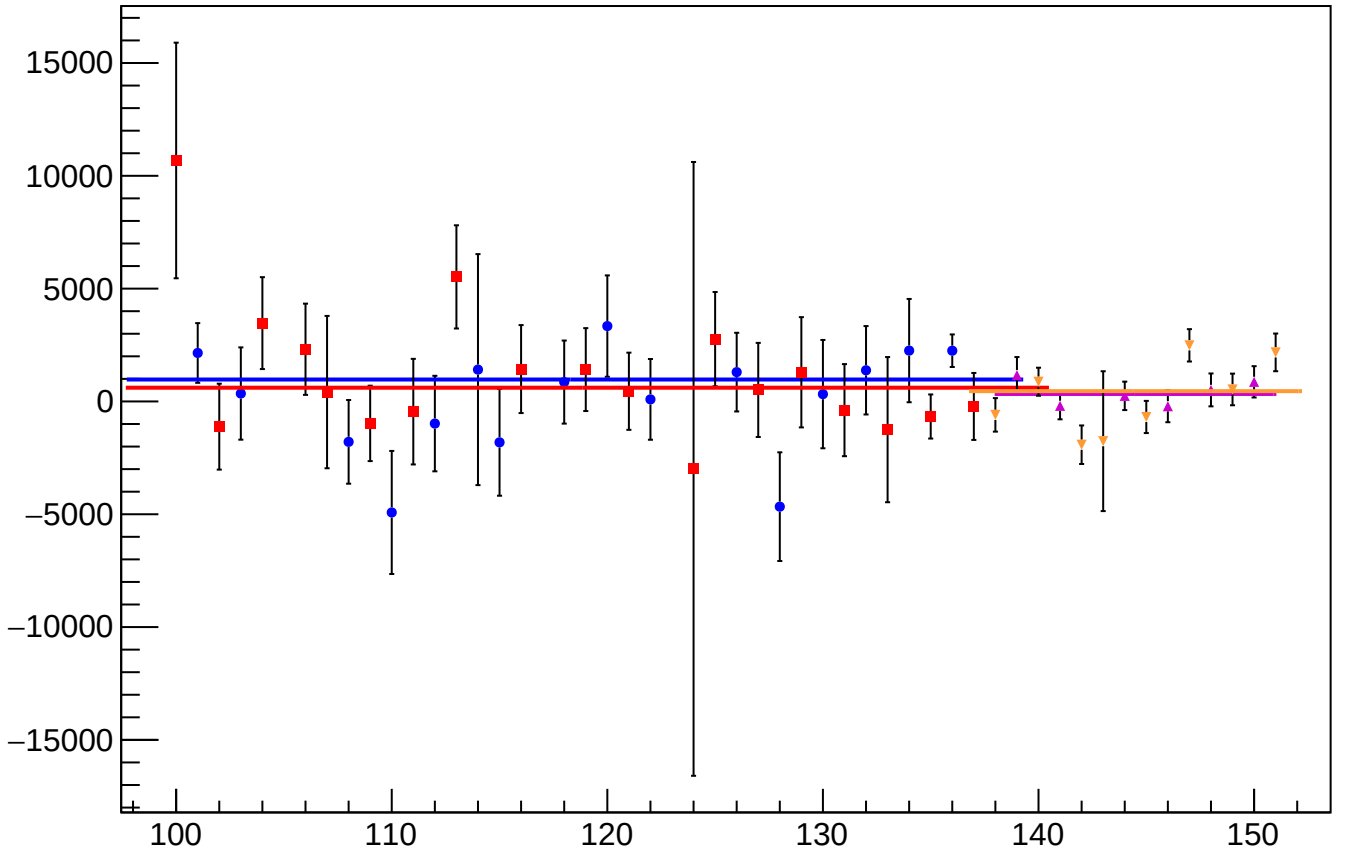
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1271.256+/-0.392 χ^2/NDF:11928.2/5

+ sign 1246.958+/-0.244 χ^2/NDF: 656171.7/23

All: 1260.064+/-0.176 χ^2/NDF: 894804.3/48

- sign 1274.475+/-0.256 χ^2/NDF: 232559.2/24



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 456.388+/-274.632 χ^2/NDF:25.5/7

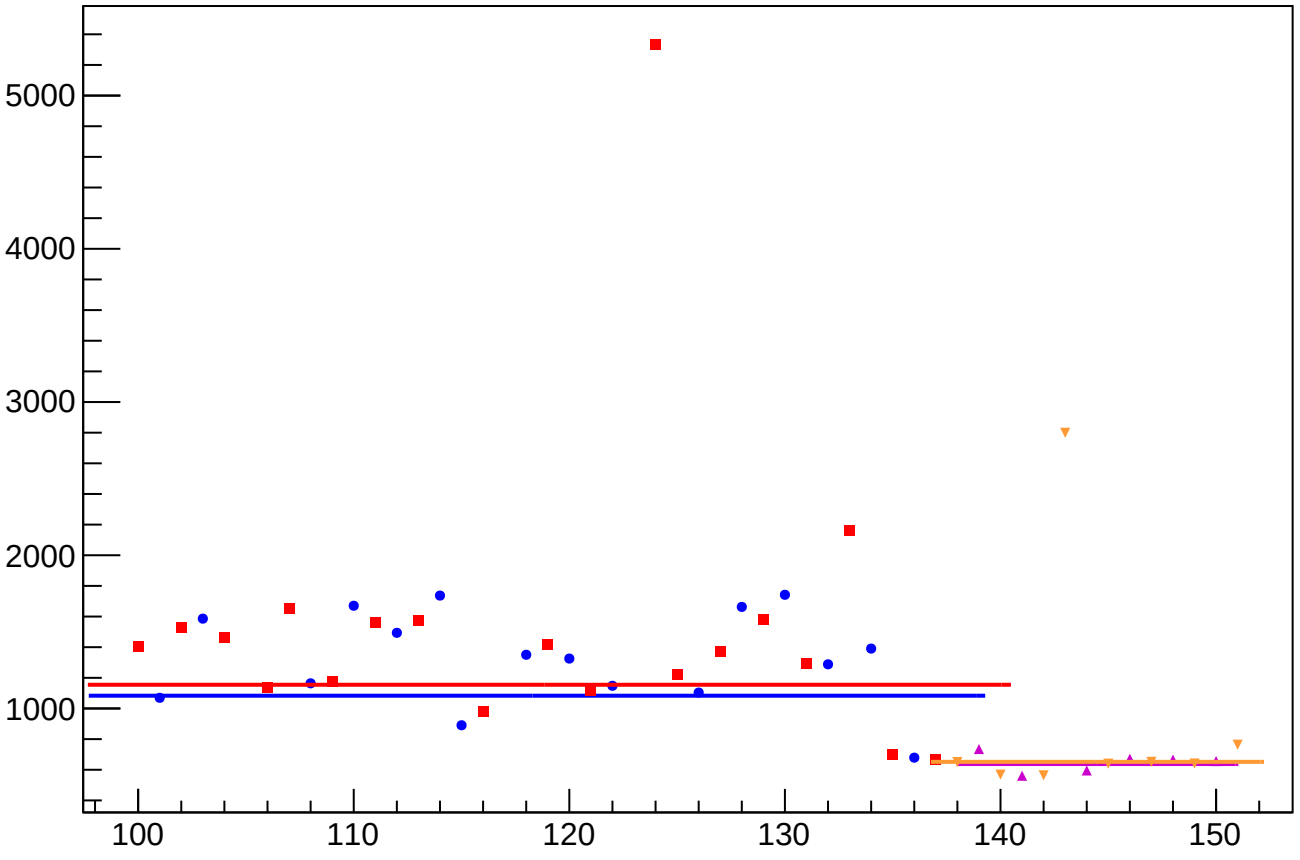
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 331.564+/-279.294 χ^2/NDF:3.1/5

+ sign 608.241+/-230.699 χ^2/NDF: 47.0/23

All: 511.351+/-165.301 χ^2/NDF: 67.9/48

- sign 409.122+/-236.969 χ^2/NDF: 20.5/24



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 651.680+/-0.194 χ^2/NDF:1054624.2/7

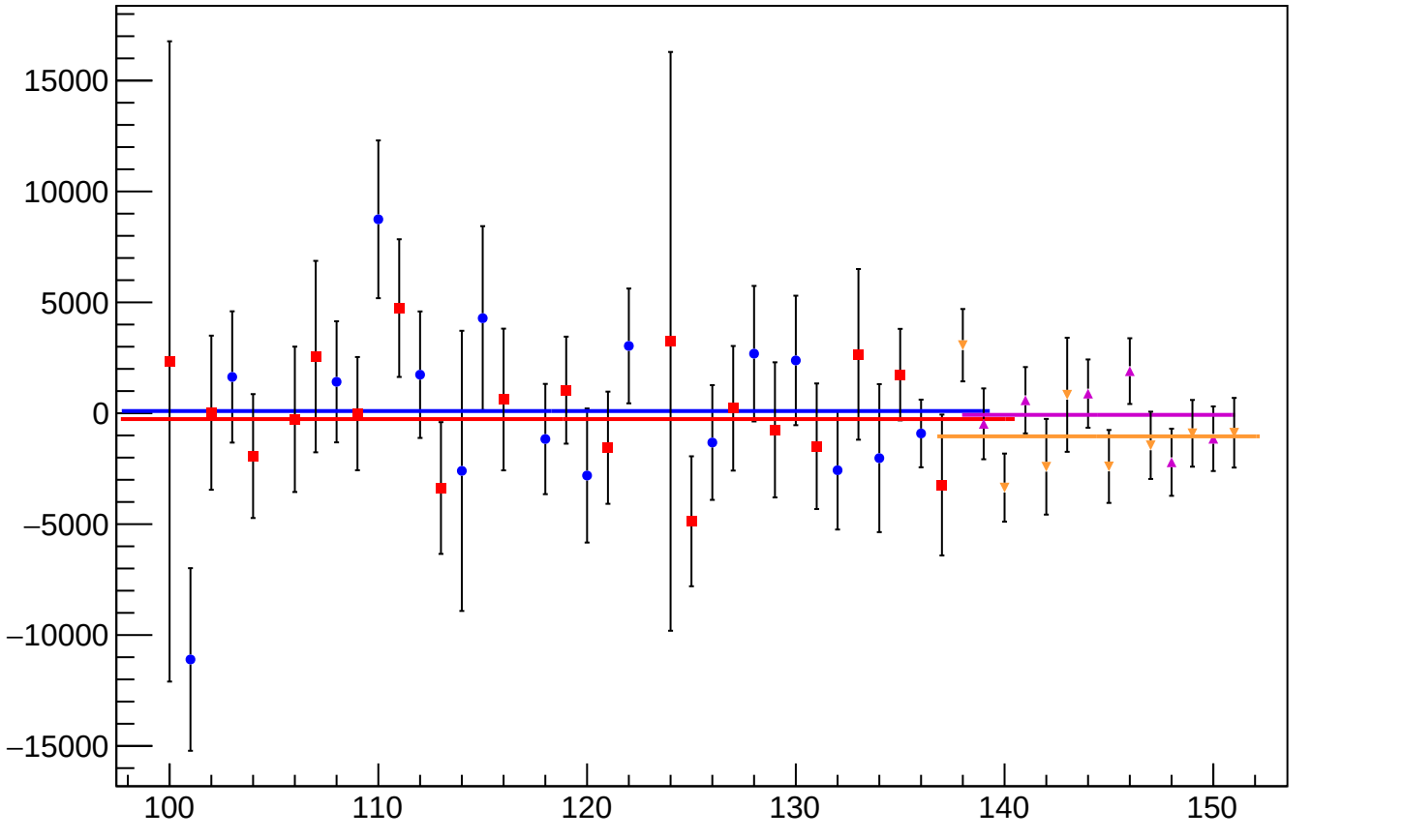
Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 637.333+/-0.197 χ^2/NDF:80884.4/5

+ sign 778.739+/-0.163 χ^2/NDF: 3869100.3/23

All: 780.455+/-0.117 χ^2/NDF: 7361106.9/48

- sign 782.265+/-0.168 χ^2/NDF: 3491779.2/24



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1041.060+/-595.684 χ^2/NDF:10.3/7

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

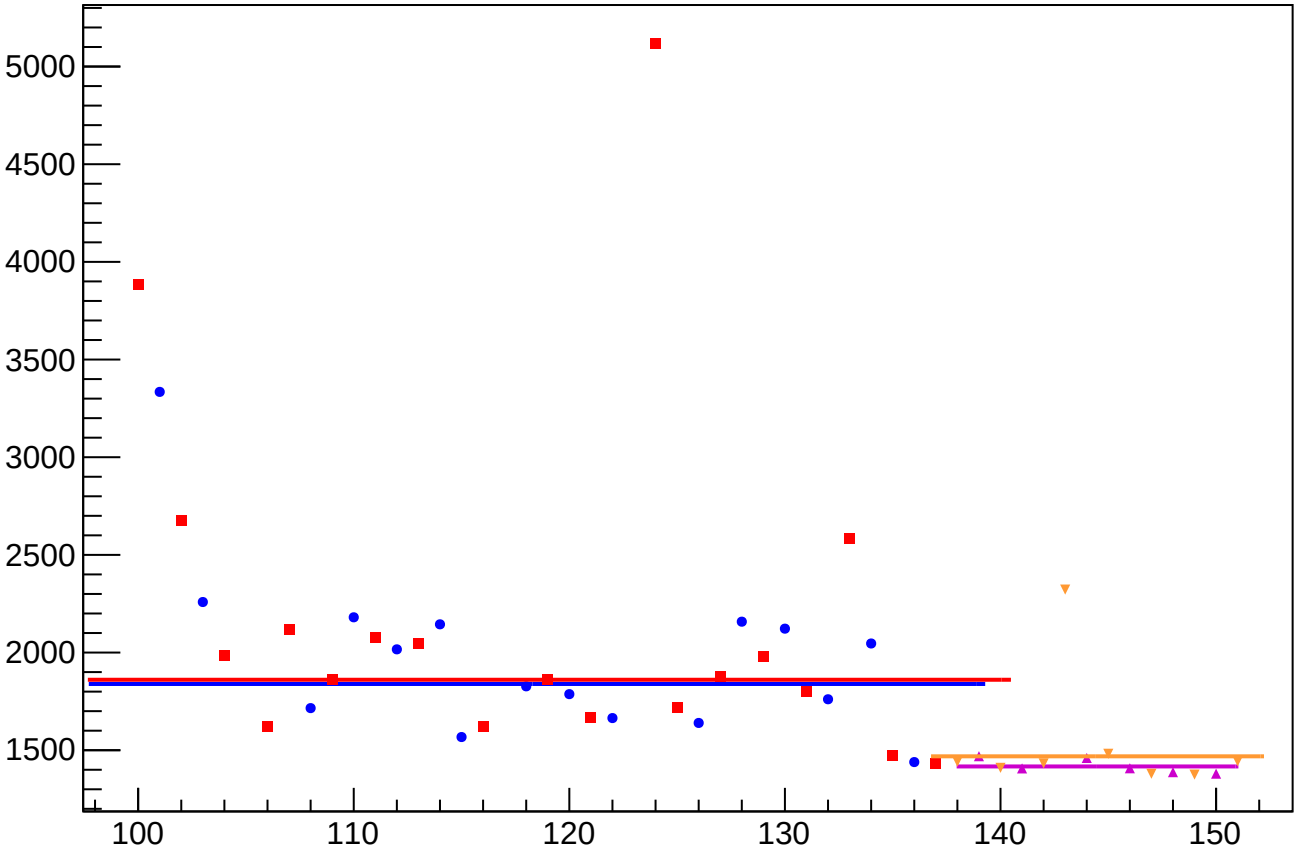
Left In: -72.772+/-617.311 χ^2/NDF:5.0/5

\+ sign -560.807+/-453.379 χ^2/NDF: 33.2/23

All: -362.572+/-323.906 χ^2/NDF: 48.9/48

\- sign -155.911+/-462.914 χ^2/NDF: 15.3/24

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1468.785+/-0.421 χ^2/NDF:239717.2/7

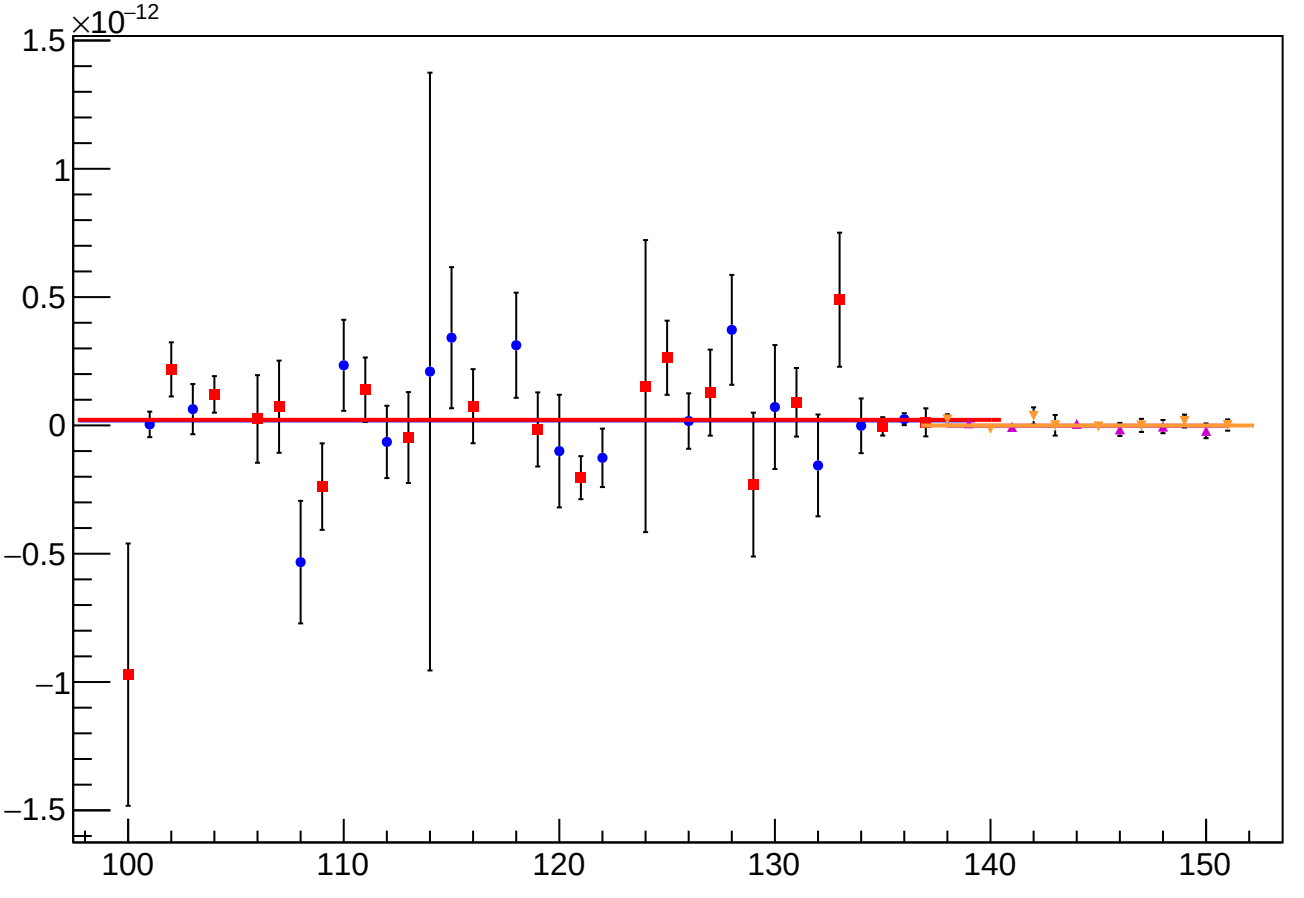
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1416.951+/-0.437 χ^2/NDF:5960.6/5

+ sign 1624.588+/-0.321 χ^2/NDF: 1121652.1/23

All: 1618.030+/-0.229 χ^2/NDF: 2103013.6/48

- sign 1611.192+/-0.327 χ^2/NDF: 980506.7/24



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.5/7

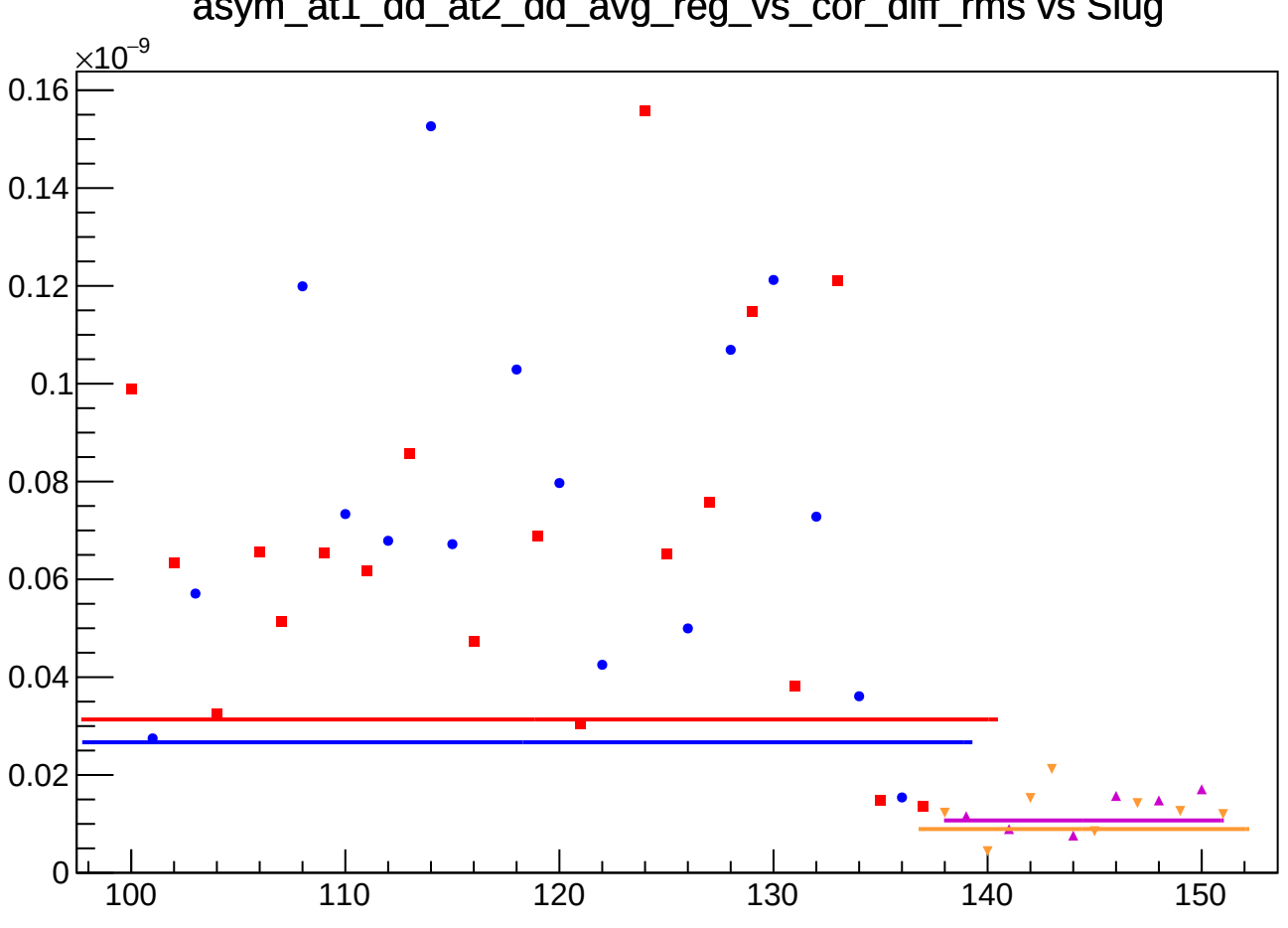
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:1.4/5

+ sign 0.000+/-0.000 χ^2/NDF: 22.0/23

All: 0.000+/-0.000 χ^2/NDF: 52.5/48

- sign 0.000+/-0.000 χ^2/NDF: 30.6/24



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:844883.1/7

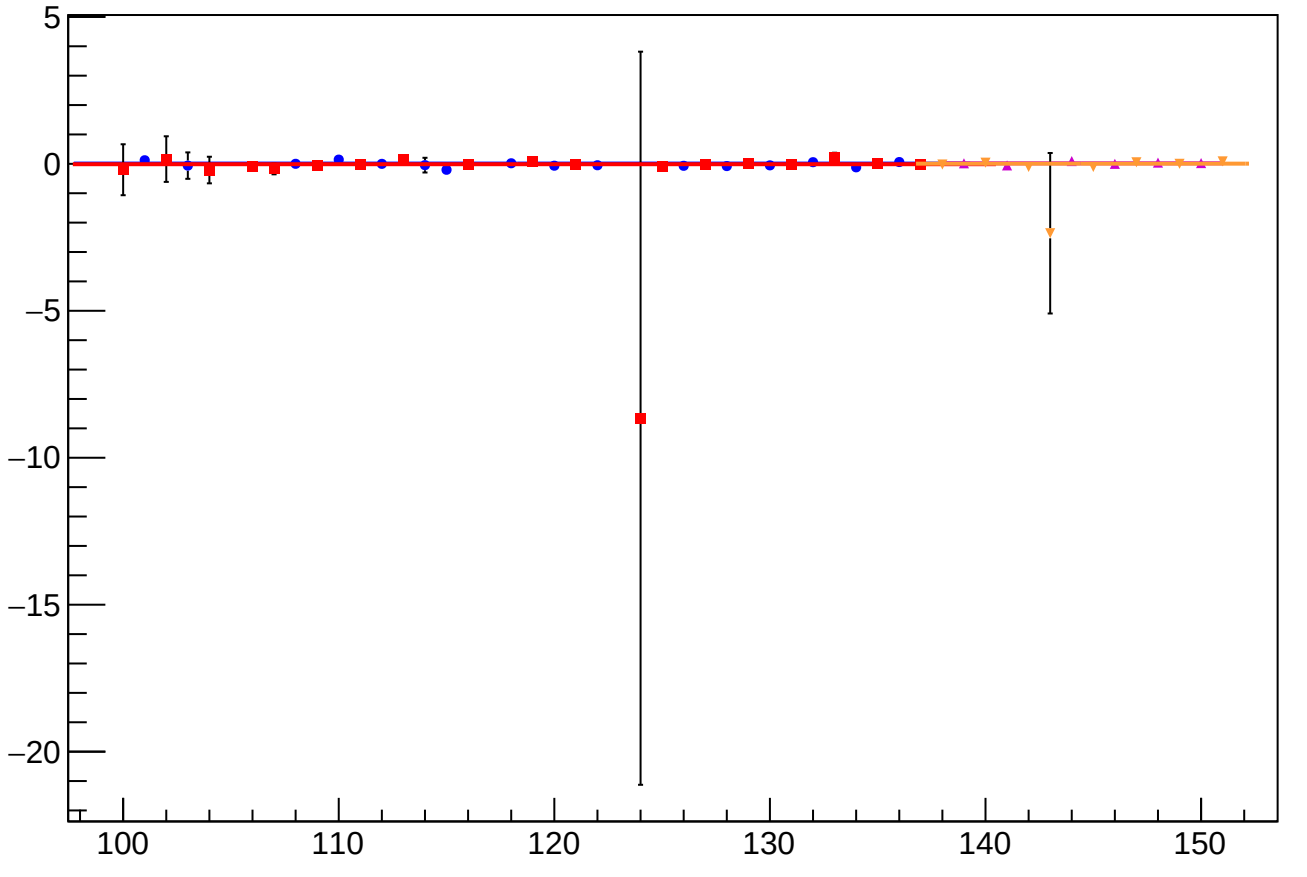
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:362166.2/5

+ sign 0.000+/-0.000 χ^2/NDF: 5004038.1/23

All: 0.000+/-0.000 χ^2/NDF: 9254367.7/48

- sign 0.000+/-0.000 χ^2/NDF: 4164694.9/24



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.006+/-0.016 χ^2/NDF:11.8/7

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

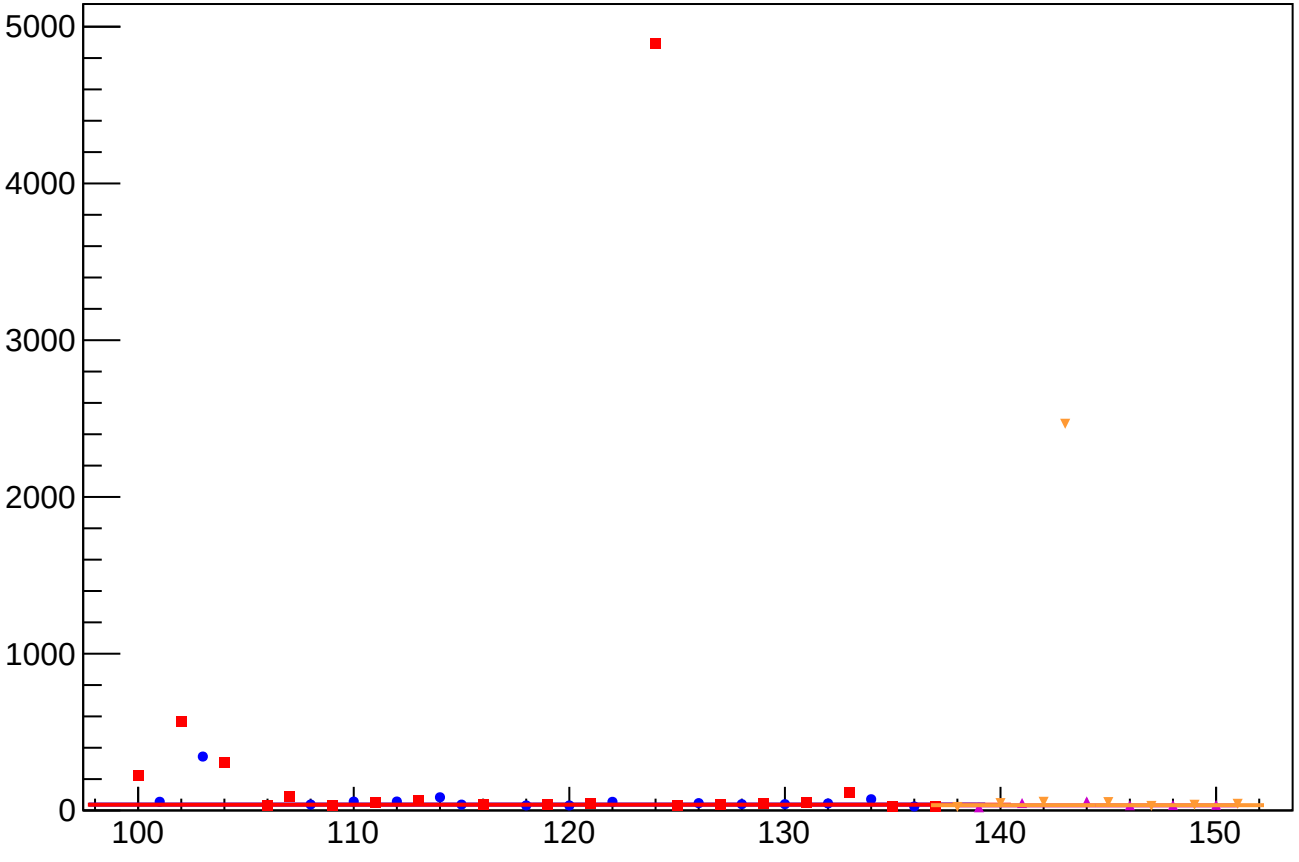
Left In: 0.018+/-0.016 χ^2/NDF:3.9/5

+ sign 0.007+/-0.011 χ^2/NDF: 31.0/23

All: 0.005+/-0.008 χ^2/NDF: 49.4/48

- sign 0.004+/-0.012 χ^2/NDF: 18.3/24

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: 33.647+/-0.011 χ^2/NDF:2486052.1/7

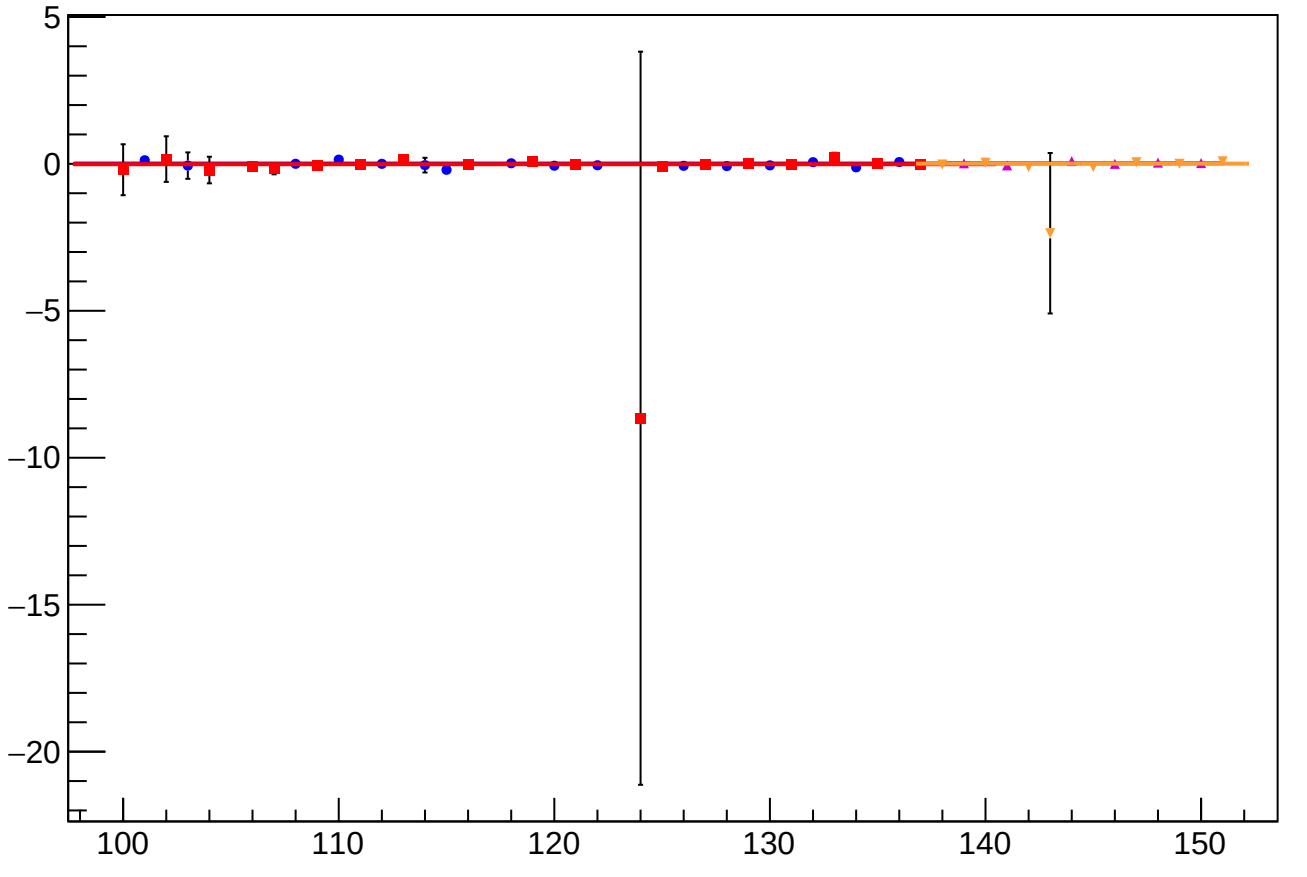
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.499+/-0.011 χ^2/NDF:904074.5/5

+ sign 35.579+/-0.008 χ^2/NDF: 4526329.9/23

All: 35.072+/-0.006 χ^2/NDF: 8697572.1/48

- sign 34.553+/-0.008 χ^2/NDF: 4163219.2/24



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.006+/-0.016 χ^2/NDF:11.8/7

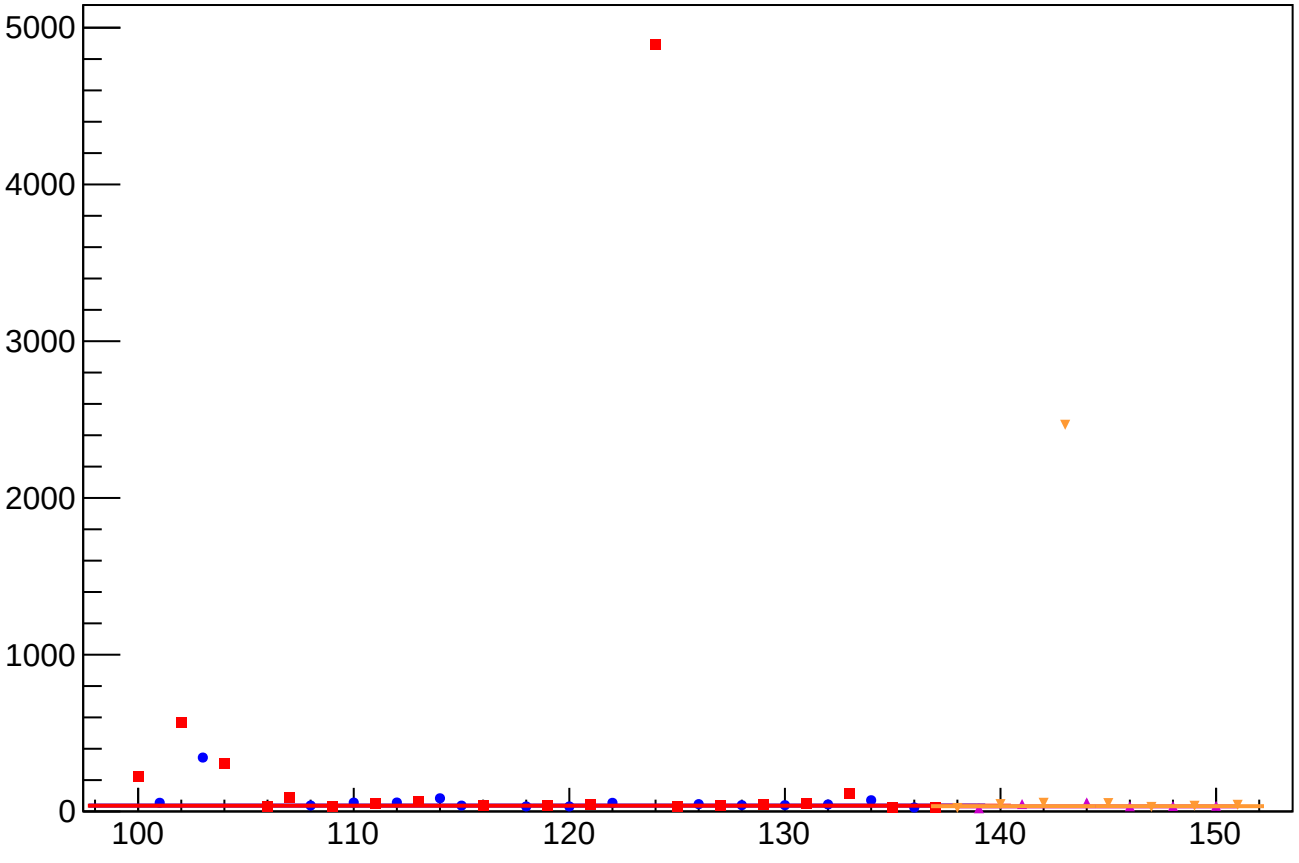
Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.018+/-0.016 χ^2/NDF:3.9/5

+ sign 0.007+/-0.011 χ^2/NDF: 31.0/23

All: 0.005+/-0.008 χ^2/NDF: 49.4/48

- sign 0.004+/-0.012 χ^2/NDF: 18.3/24



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 33.647+/-0.011 χ^2/NDF:2486052.1/7

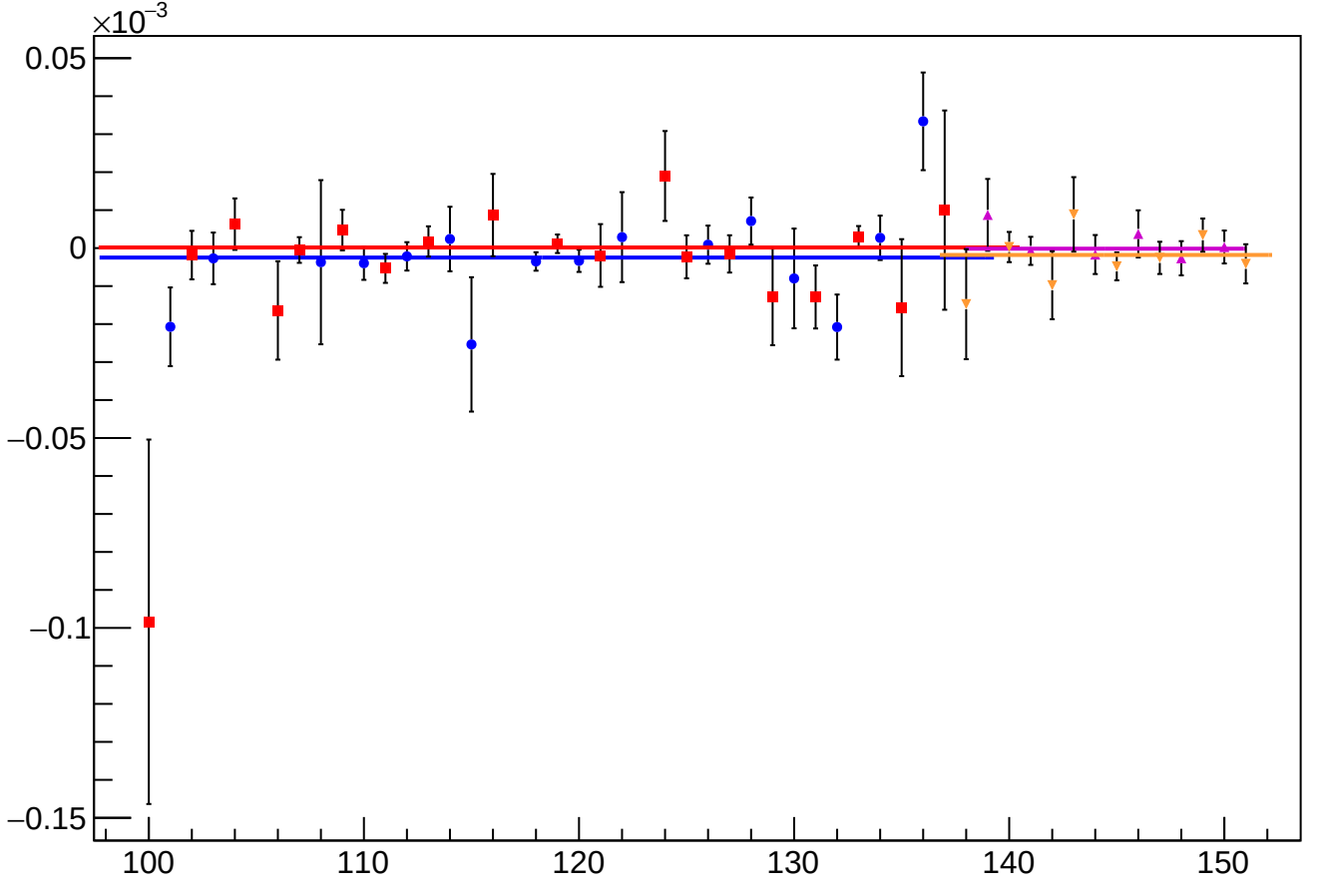
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.499+/-0.011 χ^2/NDF:904074.5/5

+ sign 35.579+/-0.008 χ^2/NDF: 4526329.9/23

All: 35.072+/-0.006 χ^2/NDF: 8697572.1/48

- sign 34.553+/-0.008 χ^2/NDF: 4163219.2/24



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.4/7

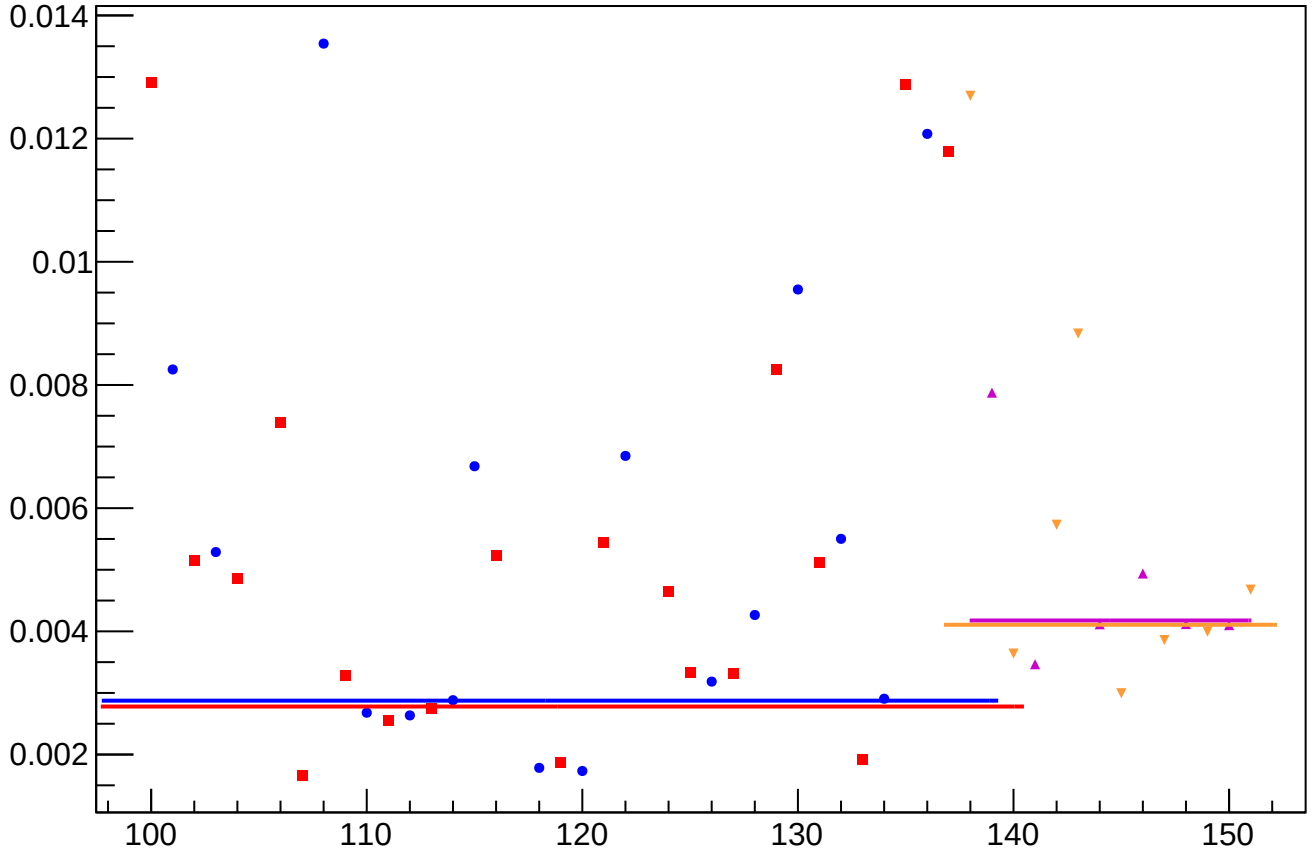
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:1.7/5

+ sign -0.000+/-0.000 χ^2/NDF: 27.3/23

All: -0.000+/-0.000 χ^2/NDF: 50.5/48

- sign 0.000+/-0.000 χ^2/NDF: 20.6/24



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:1477024.7/7

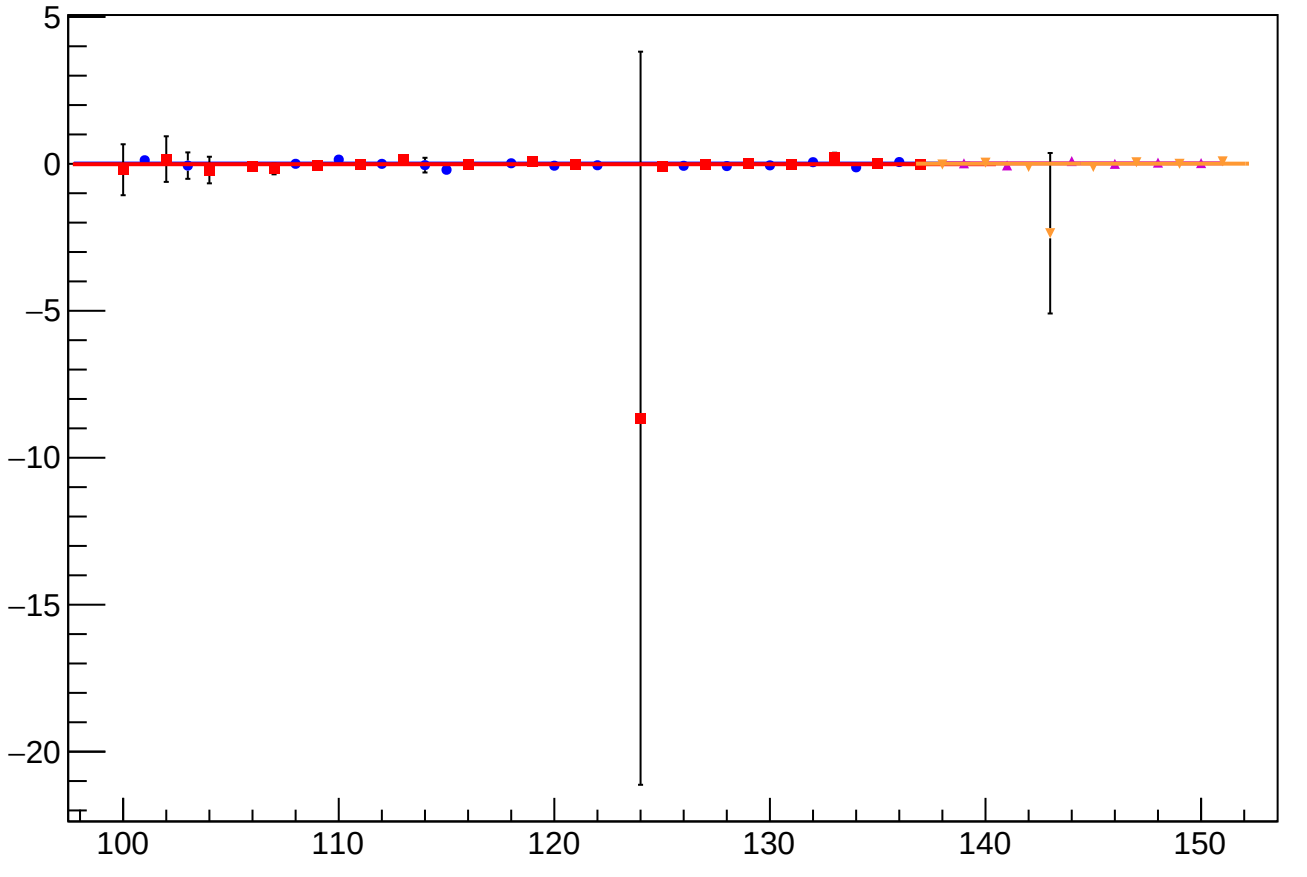
Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:411345.4/5

+ sign 0.003+/-0.000 χ^2/NDF: 6245702.5/23

All: 0.003+/-0.000 χ^2/NDF: 10720616.8/48

- sign 0.003+/-0.000 χ^2/NDF: 4450185.0/24



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.006+/-0.016 χ^2/NDF:11.8/7

Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

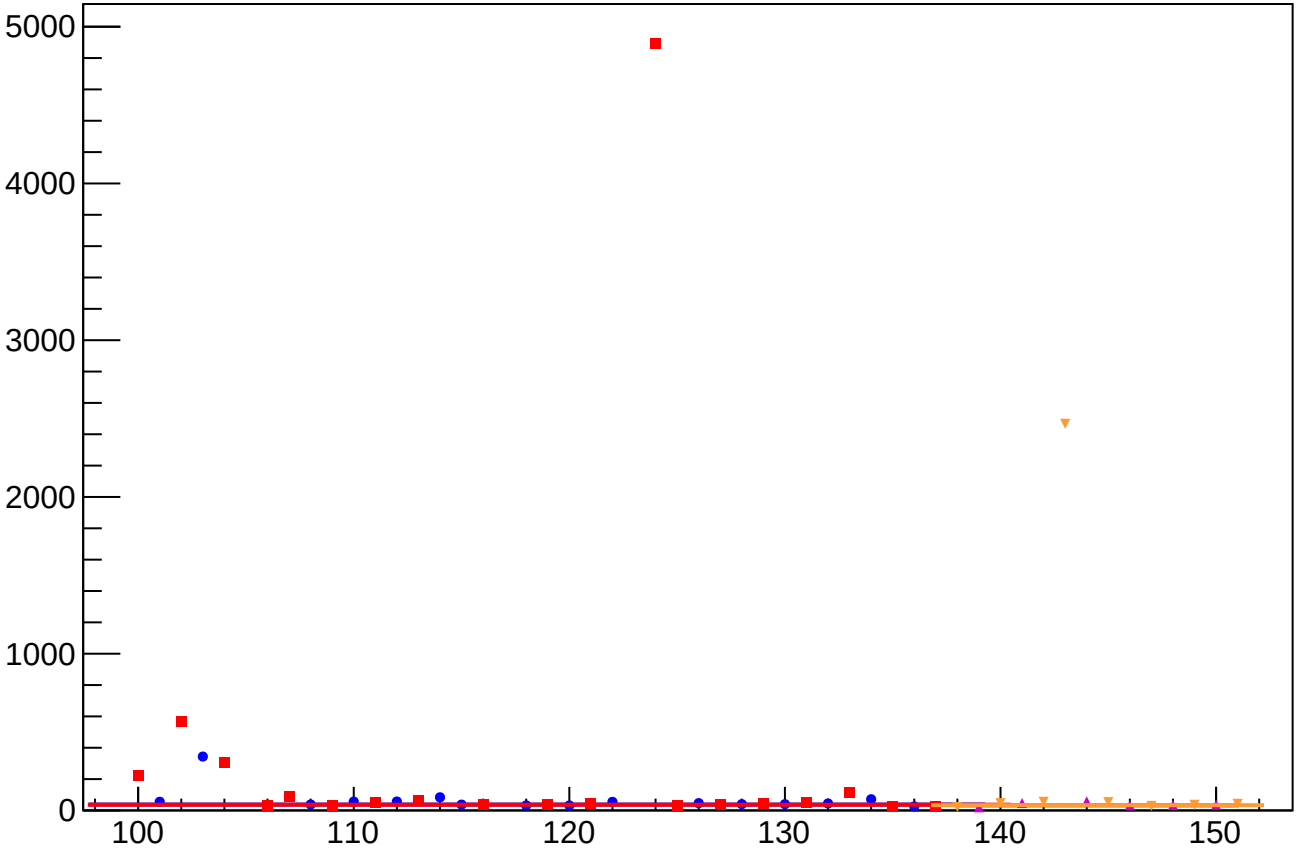
Left In: 0.018+/-0.016 χ^2/NDF:3.9/5

+ sign 0.007+/-0.011 χ^2/NDF: 31.0/23

All: 0.005+/-0.008 χ^2/NDF: 49.4/48

- sign 0.004+/-0.012 χ^2/NDF: 18.3/24

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.644+/-0.011 χ^2/NDF:2486425.7/7

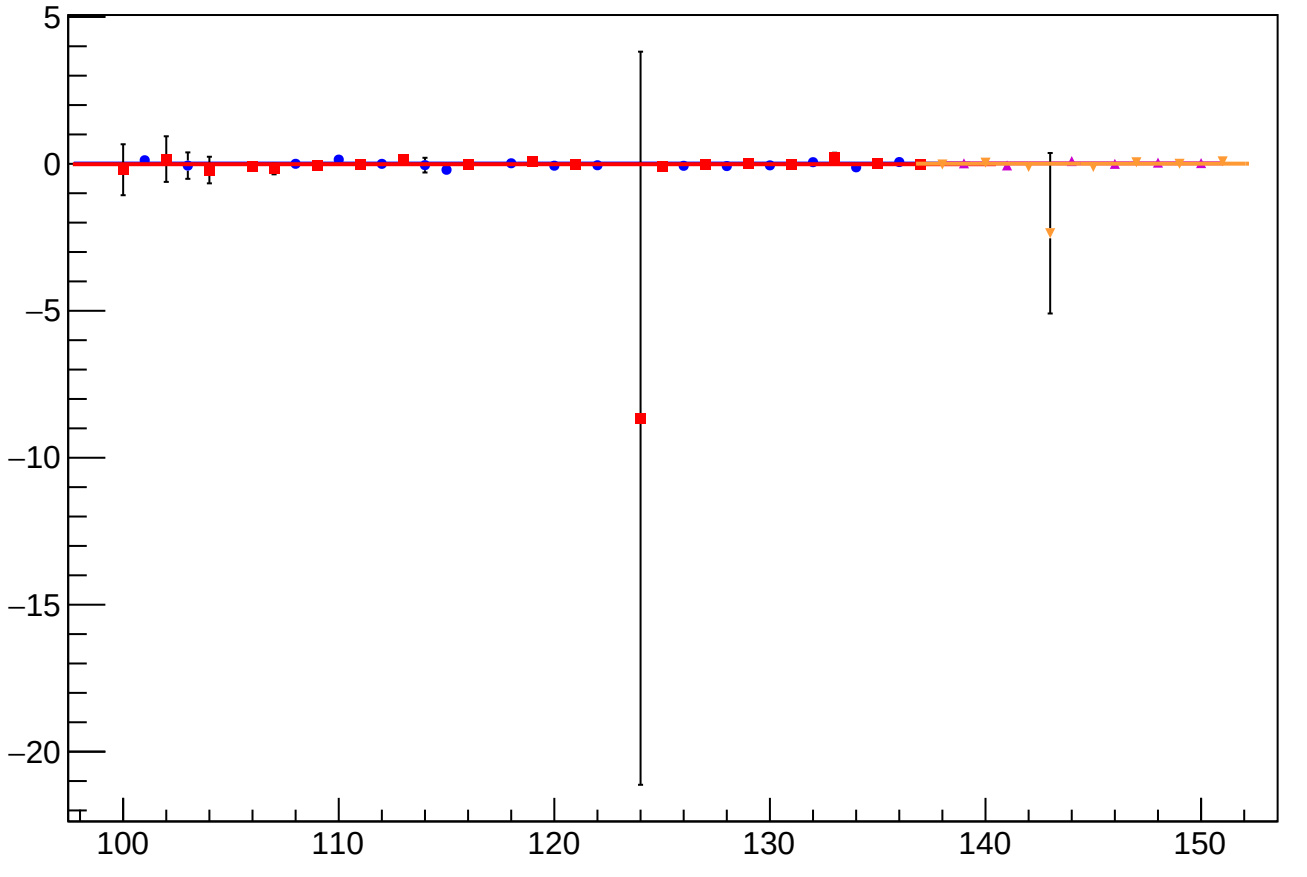
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.504+/-0.011 χ^2/NDF:903285.4/5

+ sign 35.578+/-0.008 χ^2/NDF: 4526743.0/23

All: 35.073+/-0.006 χ^2/NDF: 8696736.4/48

- sign 34.556+/-0.008 χ^2/NDF: 4162040.5/24



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.006+/-0.016 χ^2/NDF:11.8/7

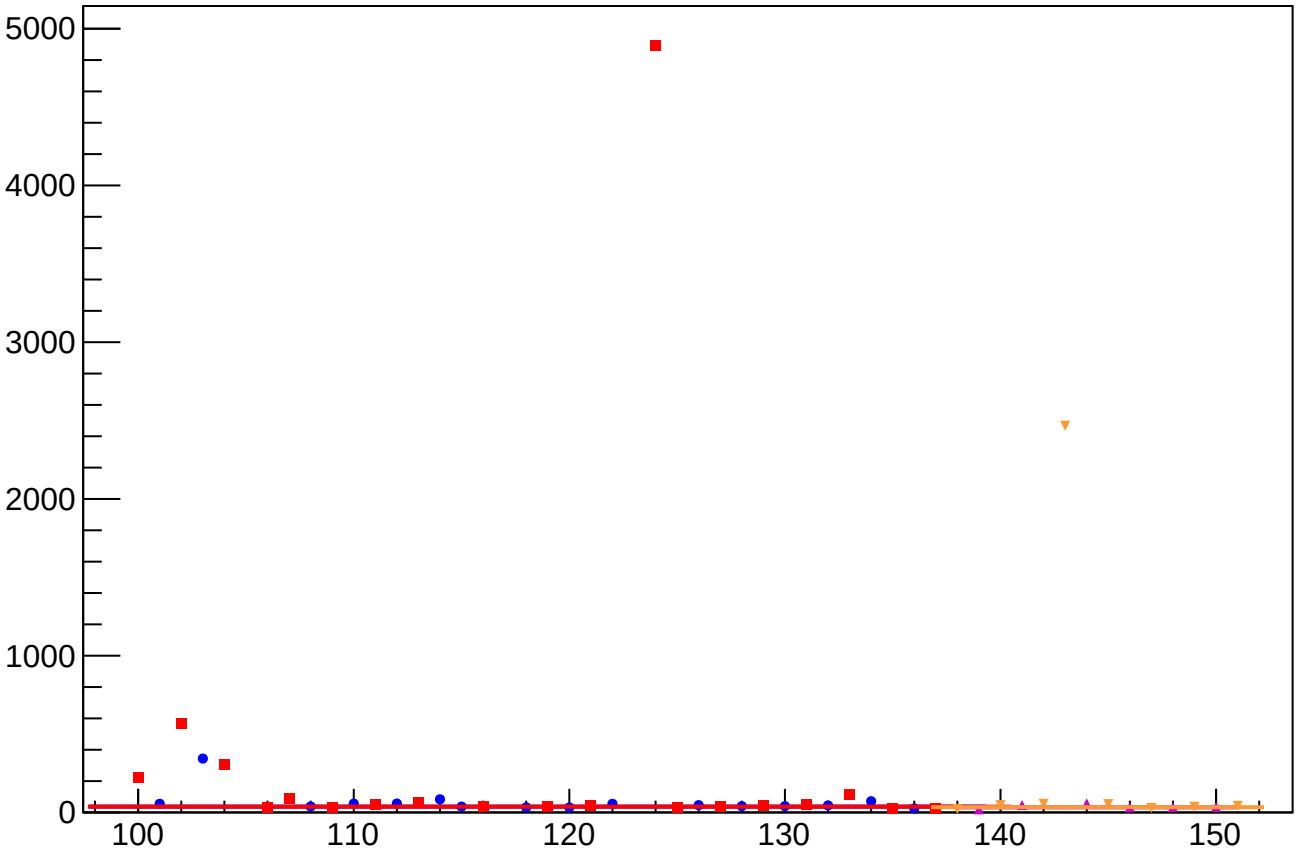
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.018+/-0.016 χ^2/NDF:3.9/5

+ sign 0.007+/-0.011 χ^2/NDF: 31.0/23

All: 0.005+/-0.008 χ^2/NDF: 49.4/48

- sign 0.004+/-0.012 χ^2/NDF: 18.3/24



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.644+/-0.011 χ^2/NDF:2486425.7/7

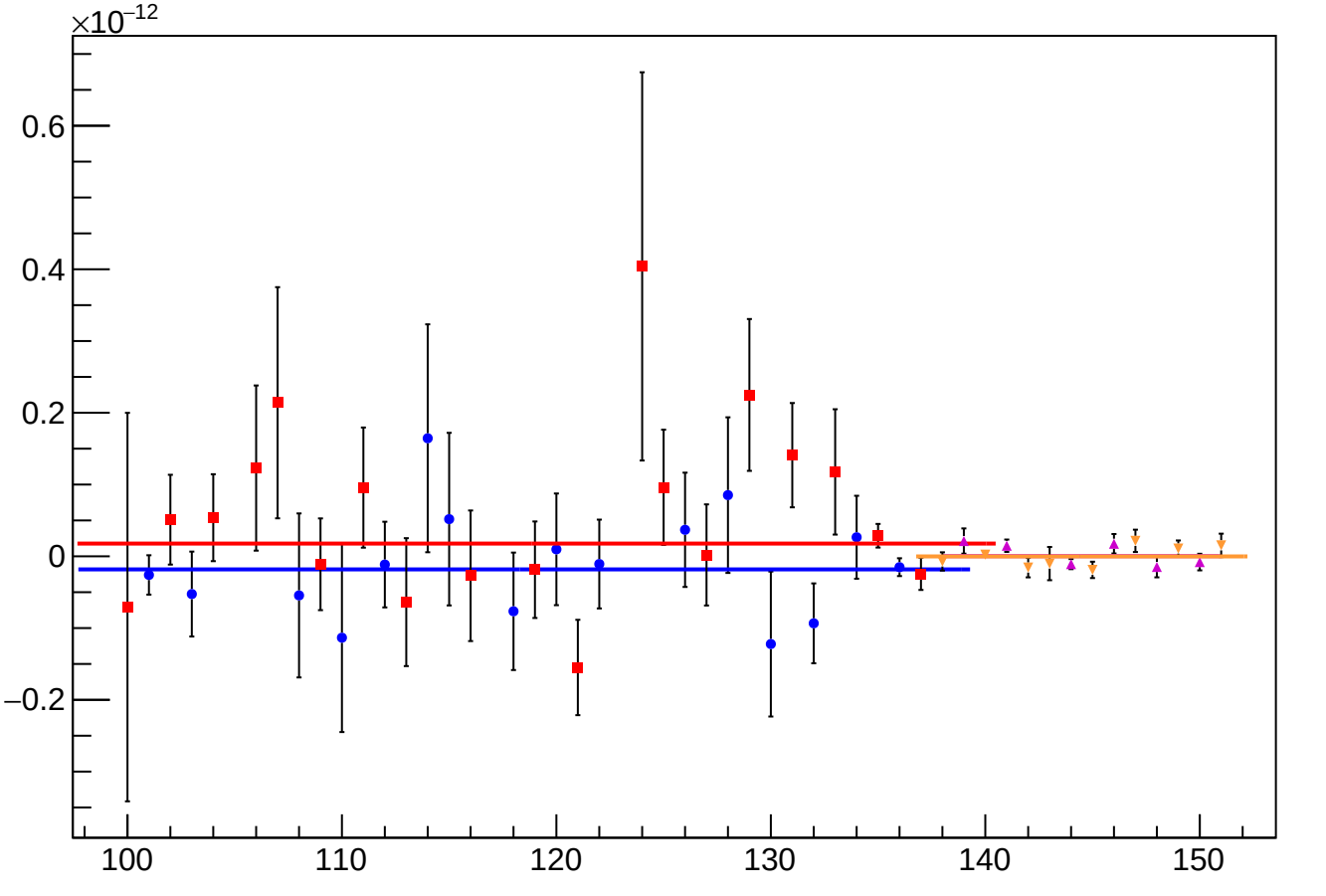
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.504+/-0.011 χ^2/NDF:903285.4/5

+ sign 35.578+/-0.008 χ^2/NDF: 4526743.0/23

All: 35.073+/-0.006 χ^2/NDF: 8696736.4/48

- sign 34.556+/-0.008 χ^2/NDF: 4162040.5/24



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.4/7

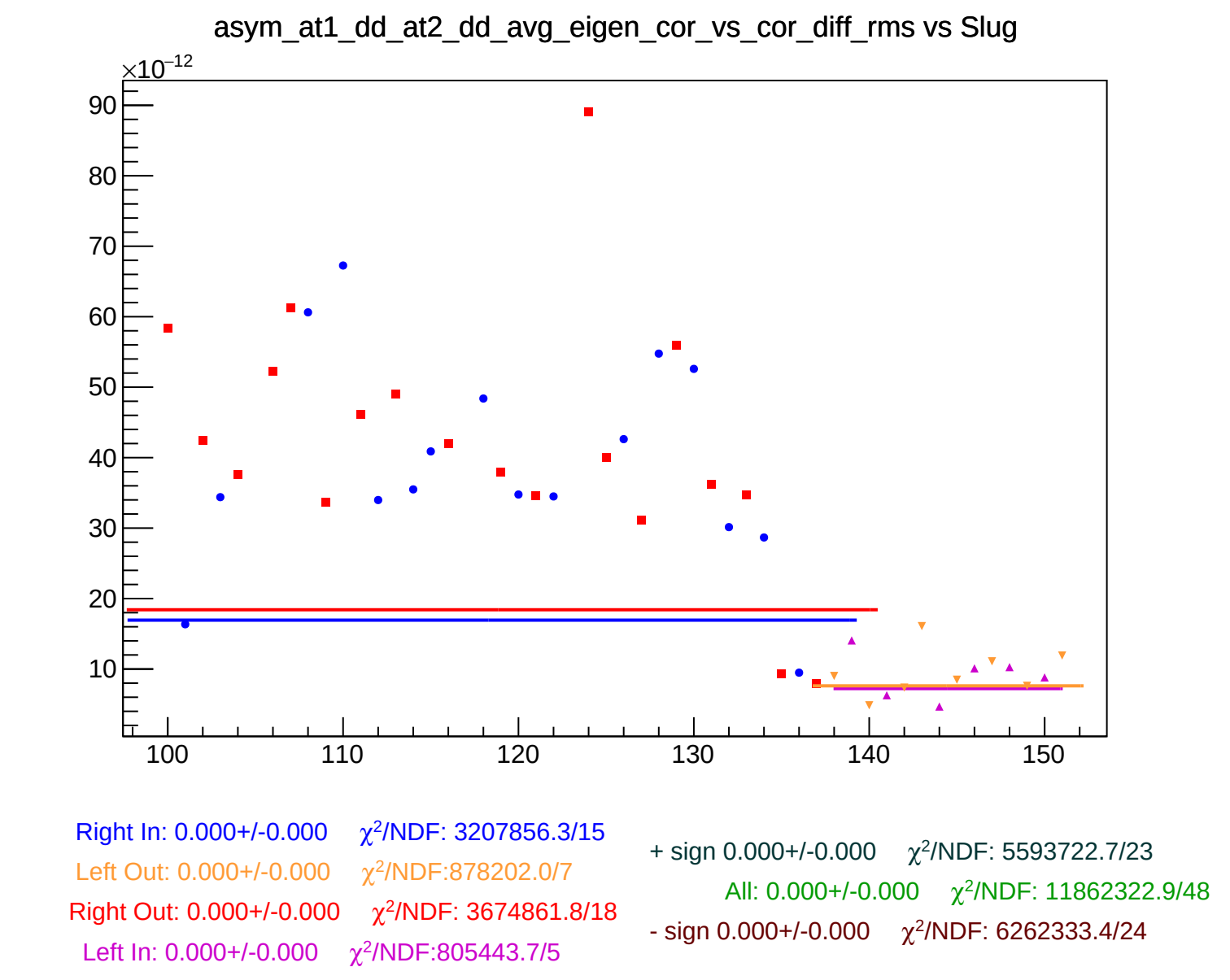
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:10.0/5

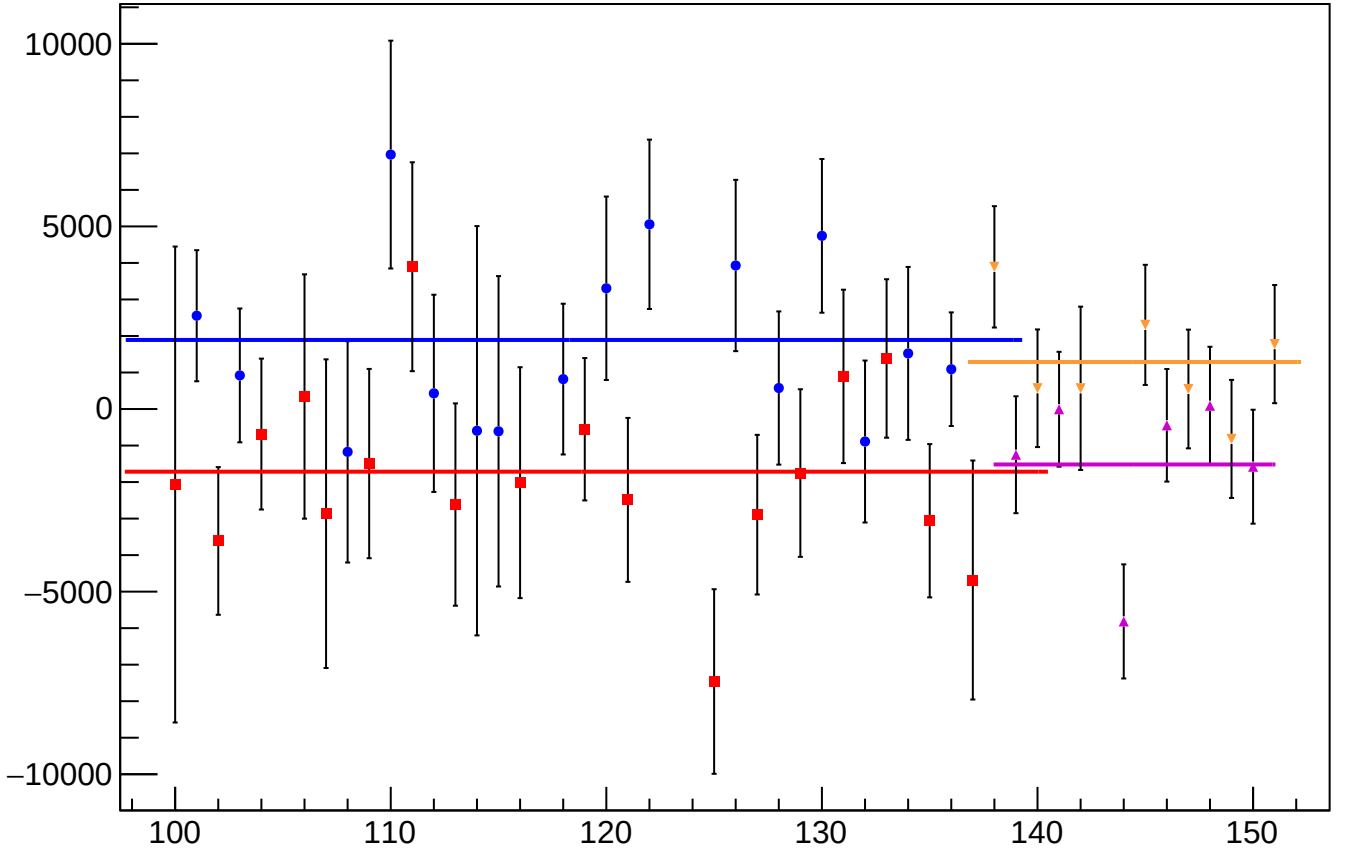
+ sign -0.000+/-0.000 χ^2/NDF: 19.6/23

All: -0.000+/-0.000 χ^2/NDF: 59.9/48

- sign 0.000+/-0.000 χ^2/NDF: 39.4/24


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
Right In: 0.000+/-0.000 χ²/NDF: 3207856.3/15
Left Out: 0.000+/-0.000 χ²/NDF:878202.0/7
Right Out: 0.000+/-0.000 χ²/NDF: 3674861.8/18
Left In: 0.000+/-0.000 χ²/NDF:805443.7/5
+ sign 0.000+/-0.000 χ²/NDF: 5593722.7/23
All: 0.000+/-0.000 χ²/NDF: 11862322.9/48
- sign 0.000+/-0.000 χ²/NDF: 6262333.4/24

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1287.452+/-637.463 χ^2/NDF:5.1/6

Right Out: -1715.909+/-589.518 χ^2/NDF: 16.0/17

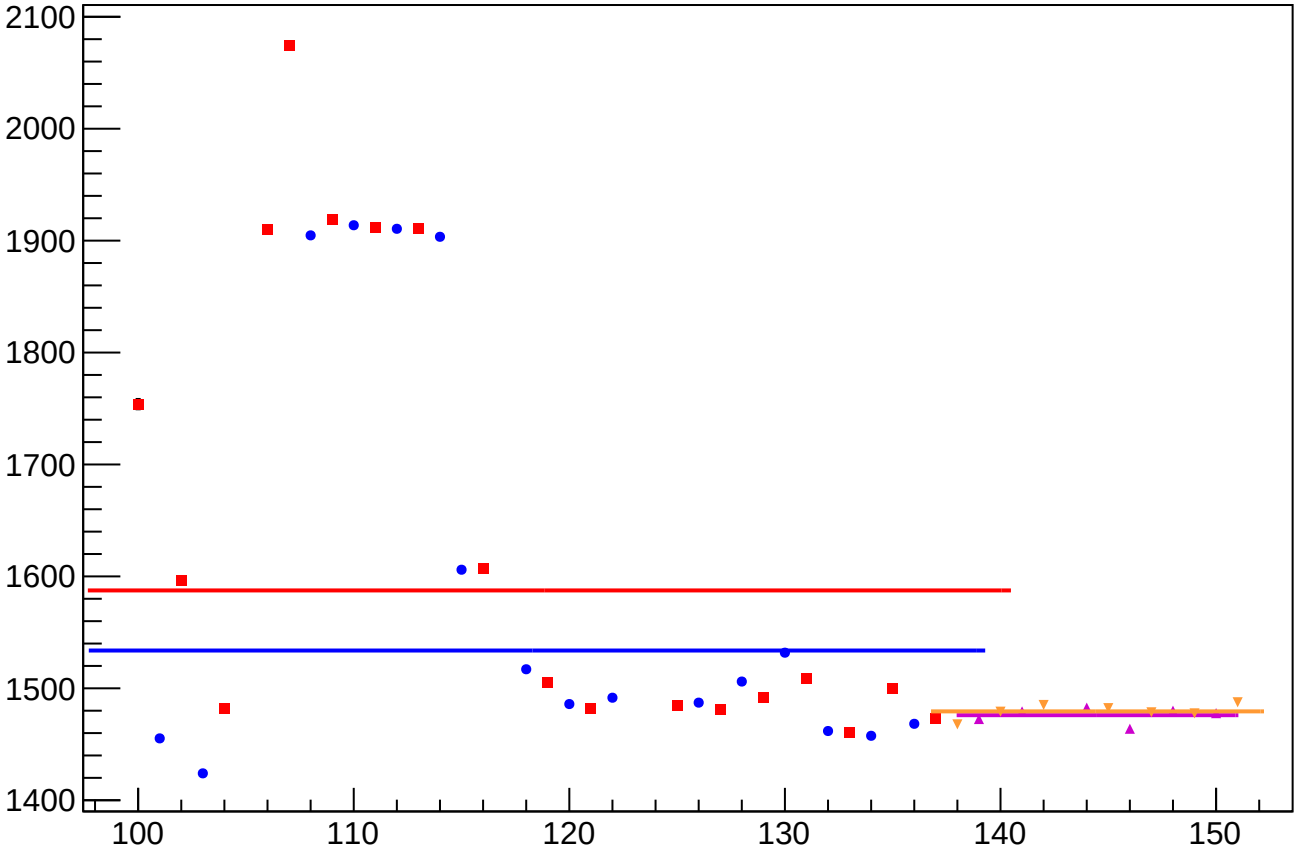
Left In: -1518.387+/-642.798 χ^2/NDF:10.0/5

+ sign 1621.924+/-425.834 χ^2/NDF: 17.9/22

All: 30.718+/-304.117 χ^2/NDF: 72.4/46

- sign -1625.672+/-434.469 χ^2/NDF: 26.0/23

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1479.396+/-0.451 χ^2/NDF:170.4/6

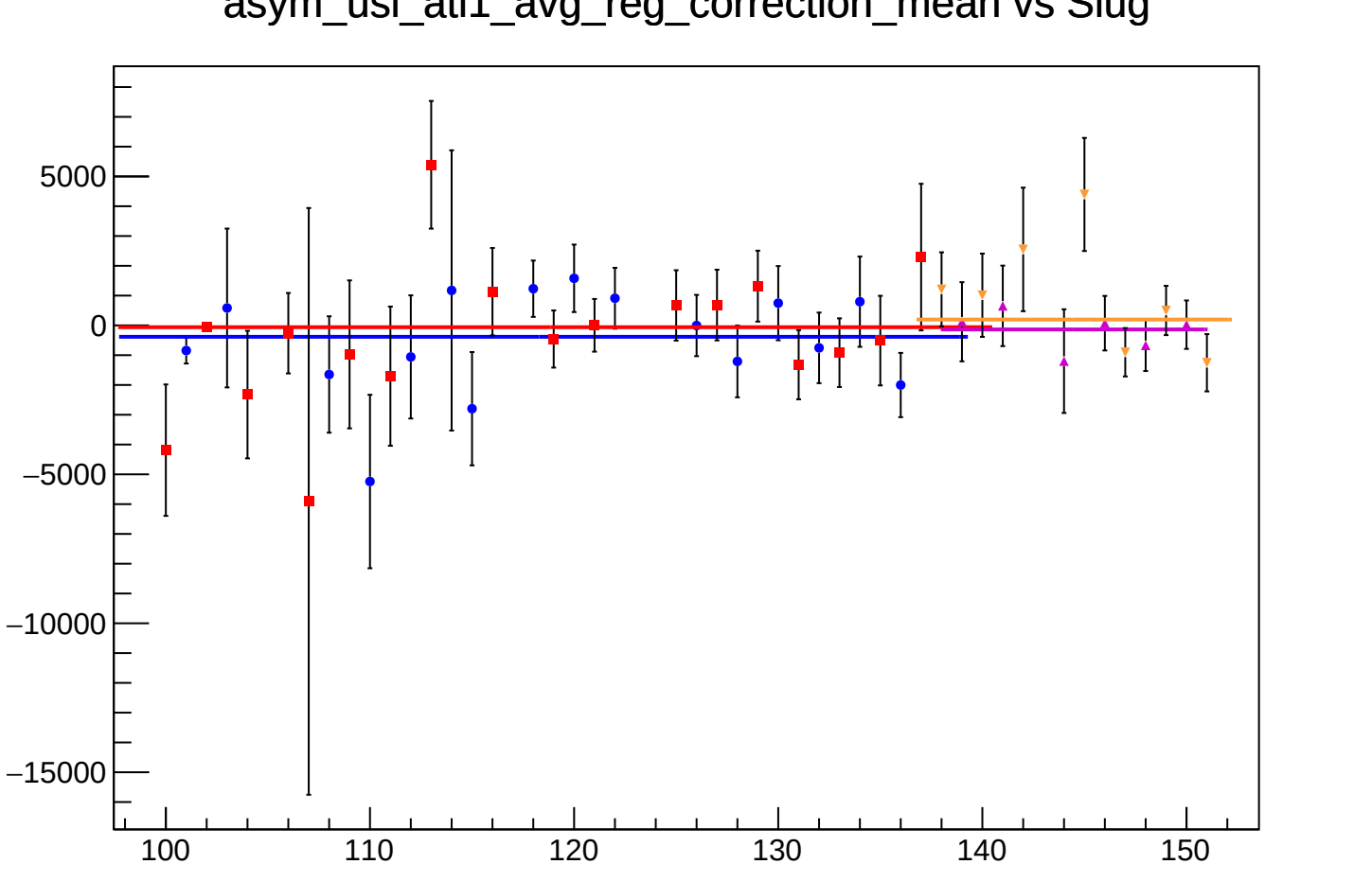
Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1476.001+/-0.455 χ^2/NDF:194.7/5

+ sign 1509.506+/-0.301 χ^2/NDF: 137500.2/22

All: 1522.752+/-0.215 χ^2/NDF: 346294.9/46

- sign 1536.541+/-0.307 χ^2/NDF: 204845.0/23



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: 195.863+/-417.730 χ^2/NDF:11.4/6

Right Out: -59.970+/-127.700 χ^2/NDF: 17.8/17

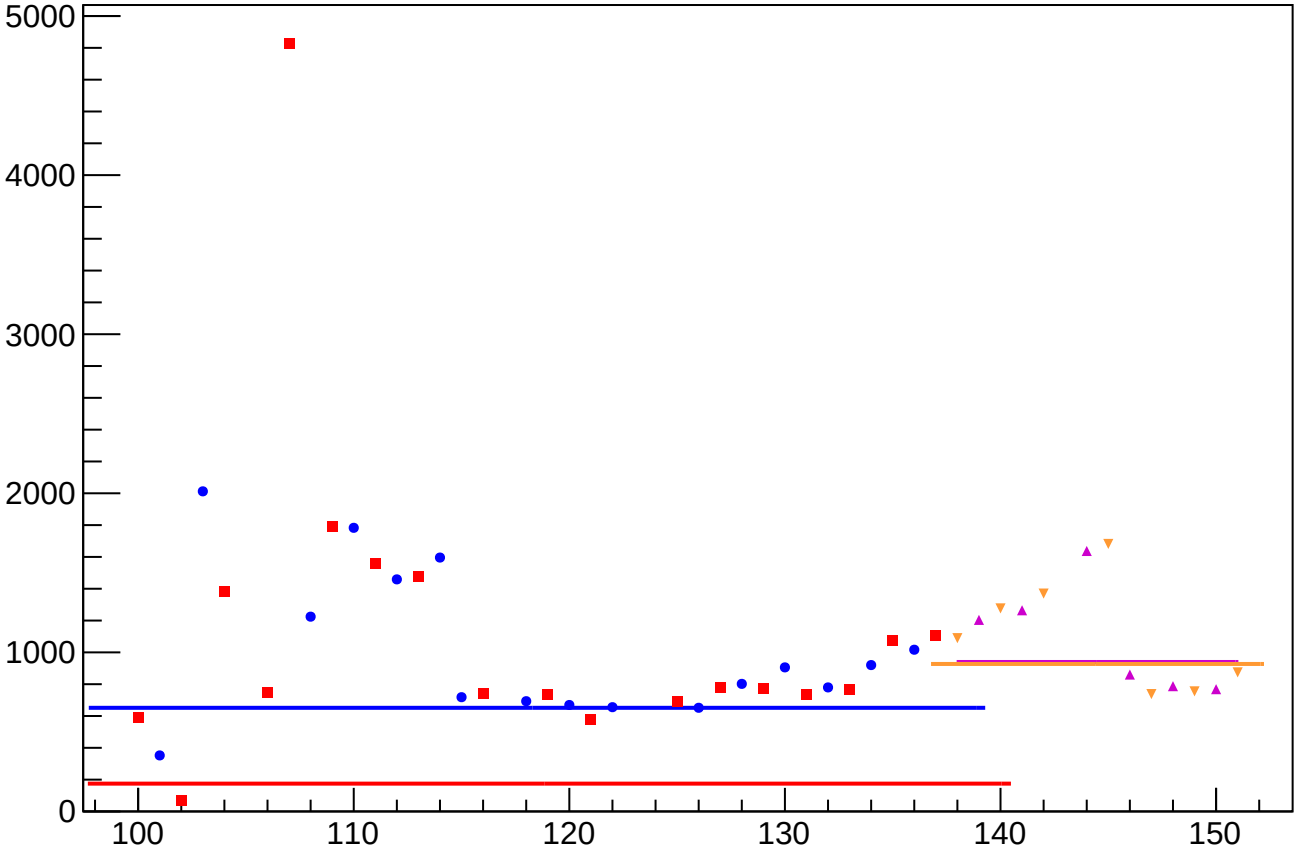
Left In: -135.959+/-426.371 χ^2/NDF:1.2/5

+ sign -210.312+/-228.061 χ^2/NDF: 31.0/22

All: -98.420+/-107.802 χ^2/NDF: 50.3/46

- sign -66.226+/-122.331 χ^2/NDF: 19.0/23

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 927.178+/-0.295 χ^2/NDF:767509.8/6

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

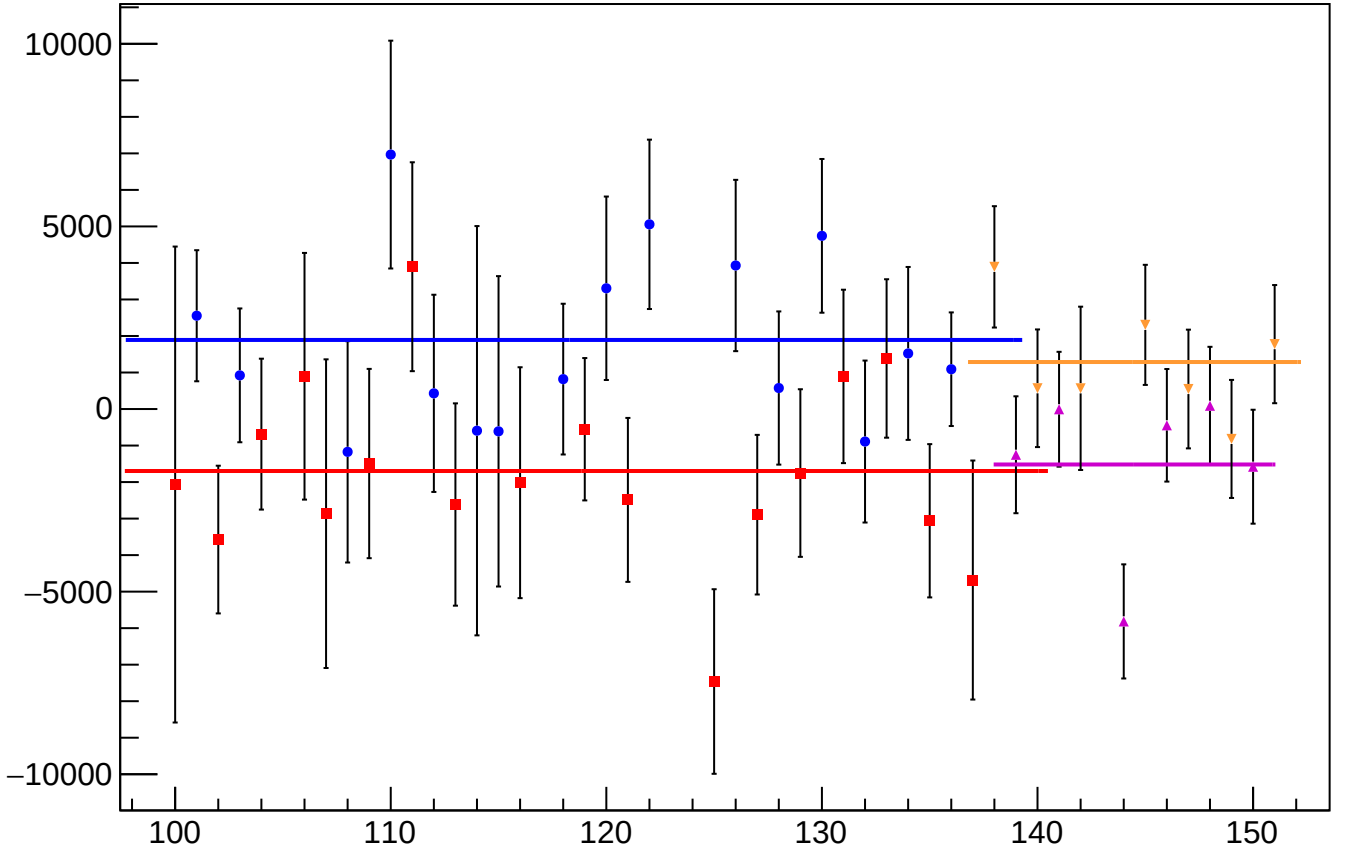
Left In: 939.587+/-0.301 χ^2/NDF:682347.4/5

+ sign 733.686+/-0.161 χ^2/NDF: 4141483.4/22

All: 348.635+/-0.076 χ^2/NDF: 27830185.1/46

- sign 237.847+/-0.087 χ^2/NDF: 16347169.7/23

cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1287.306+/-637.463 χ^2/NDF:5.1/6

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

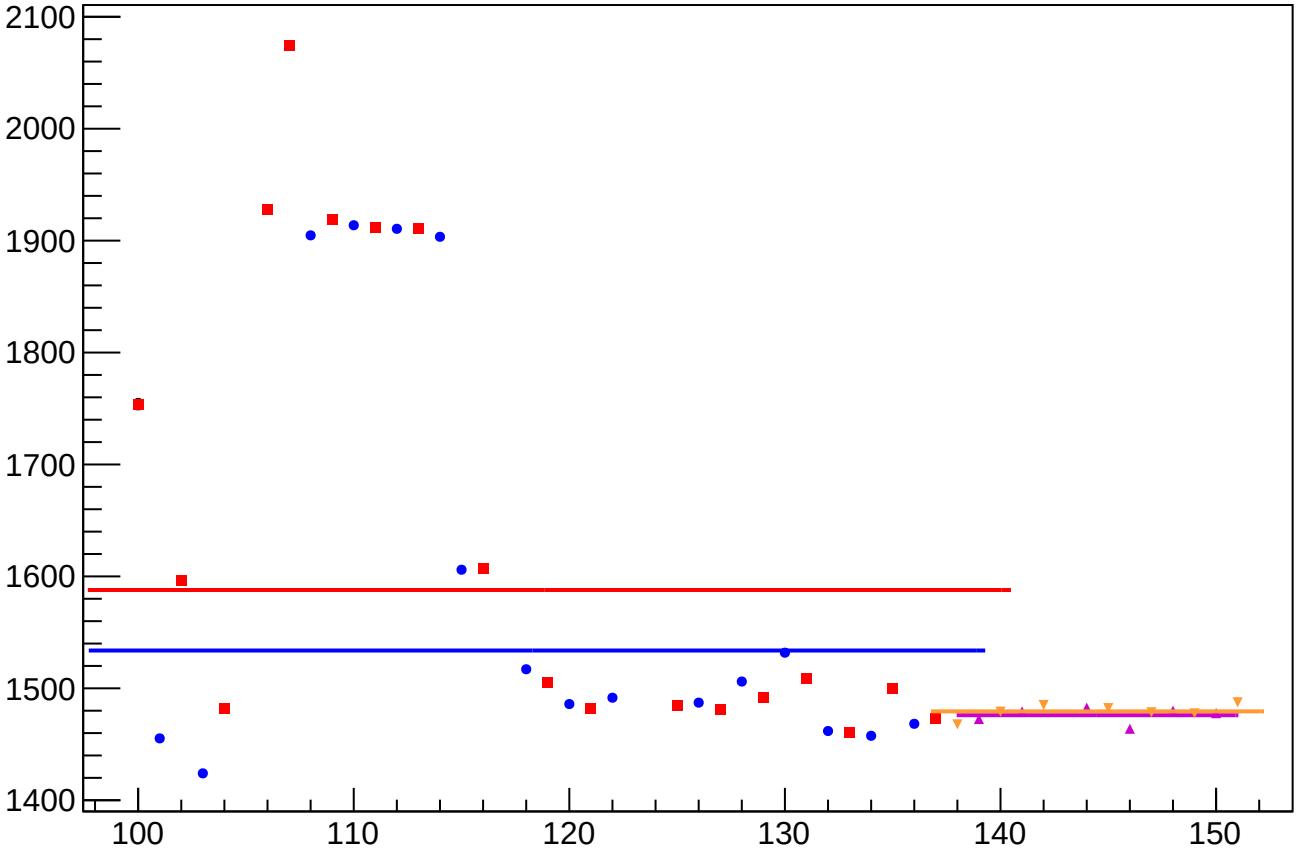
Left In: -1518.494+/-642.798 χ^2/NDF:10.0/5

+ sign 1621.916+/-425.834 χ^2/NDF: 17.9/22

All: 36.009+/-304.142 χ^2/NDF: 72.4/46

- sign -1615.416+/-434.542 χ^2/NDF: 26.2/23

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1479.396+/-0.451 χ^2/NDF:170.4/6

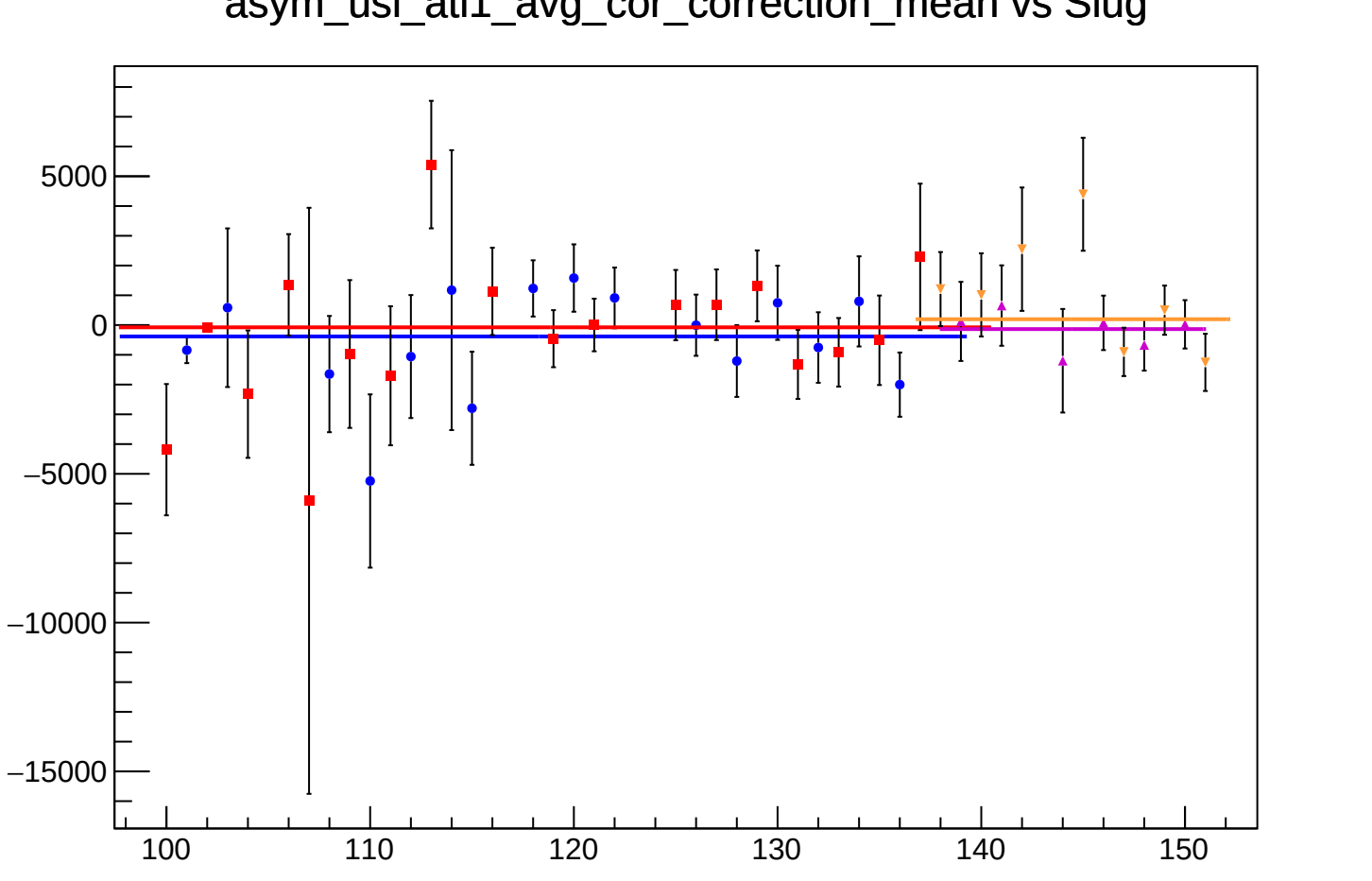
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1476.001+/-0.455 χ^2/NDF:194.7/5

+ sign 1509.506+/-0.301 χ^2/NDF: 137500.1/22

All: 1522.844+/-0.215 χ^2/NDF: 348345.9/46

- sign 1536.733+/-0.307 χ^2/NDF: 206840.3/23



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: 195.622+/-417.733 χ^2/NDF:11.4/6

Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

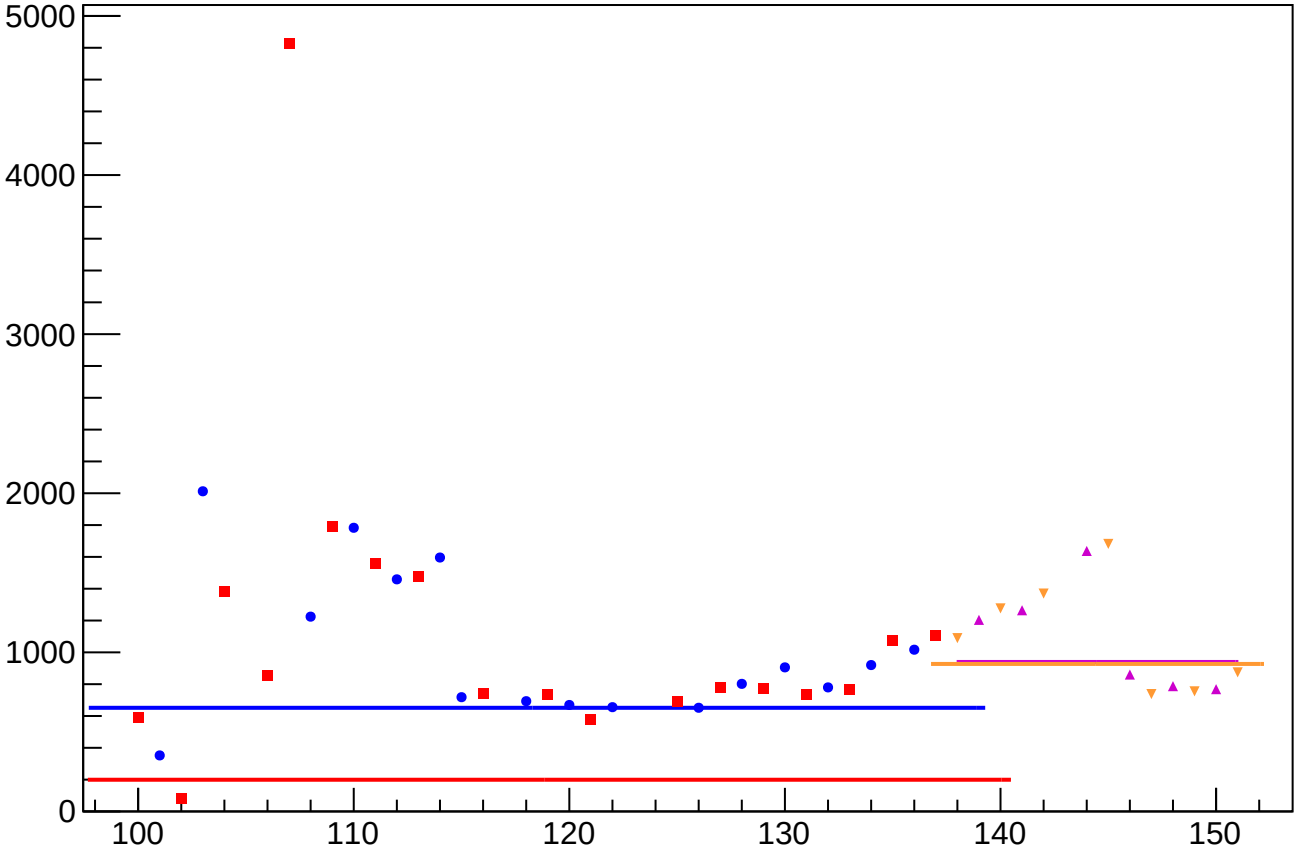
Left In: -136.030+/-426.368 χ^2/NDF:1.2/5

+ sign -210.368+/-228.061 χ^2/NDF: 31.0/22

All: -114.286+/-113.862 χ^2/NDF: 50.9/46

- sign -82.385+/-131.412 χ^2/NDF: 19.7/23

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 927.187+/-0.295 χ^2/NDF:767488.7/6

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

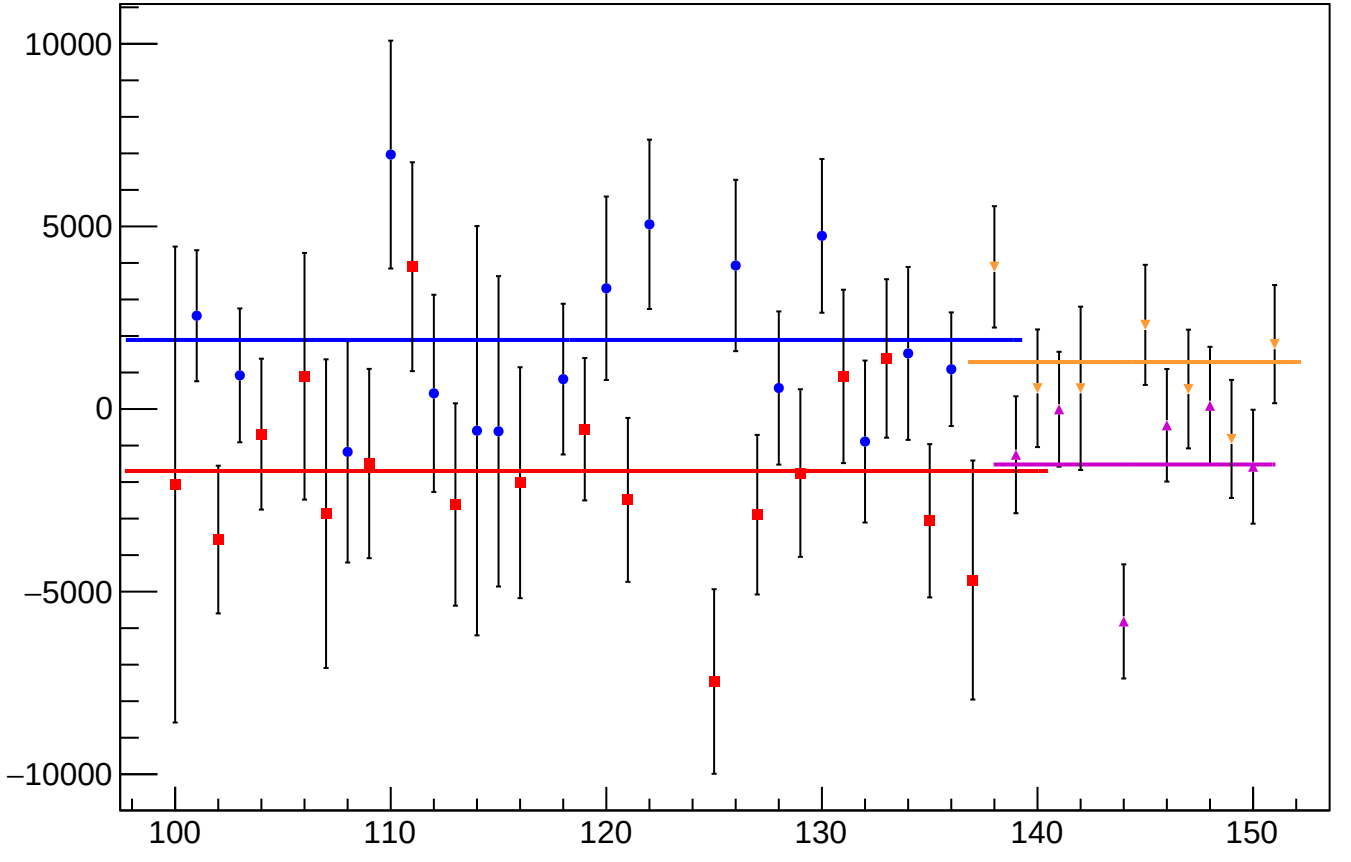
Left In: 939.581+/-0.301 χ^2/NDF:682359.7/5

+ sign 733.686+/-0.161 χ^2/NDF: 4141527.3/22

All: 385.326+/-0.081 χ^2/NDF: 25780183.0/46

- sign 269.663+/-0.093 χ^2/NDF: 15422885.8/23

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1287.306+/-637.463 χ^2/NDF:5.1/6

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

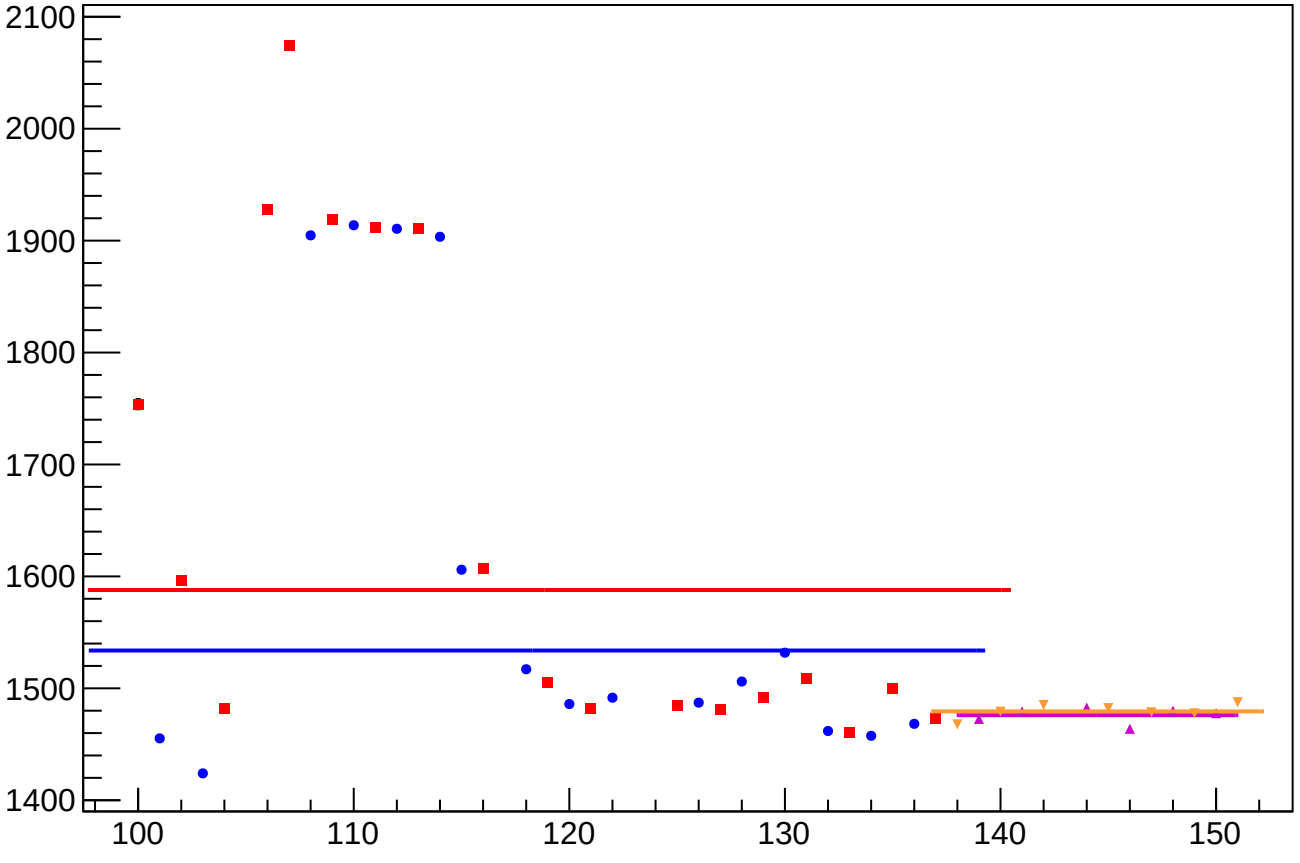
Left In: -1518.494+/-642.798 χ^2/NDF:10.0/5

+ sign 1621.916+/-425.834 χ^2/NDF: 17.9/22

All: 36.009+/-304.142 χ^2/NDF: 72.4/46

- sign -1615.416+/-434.542 χ^2/NDF: 26.2/23

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1479.396+/-0.451 χ^2/NDF:170.4/6

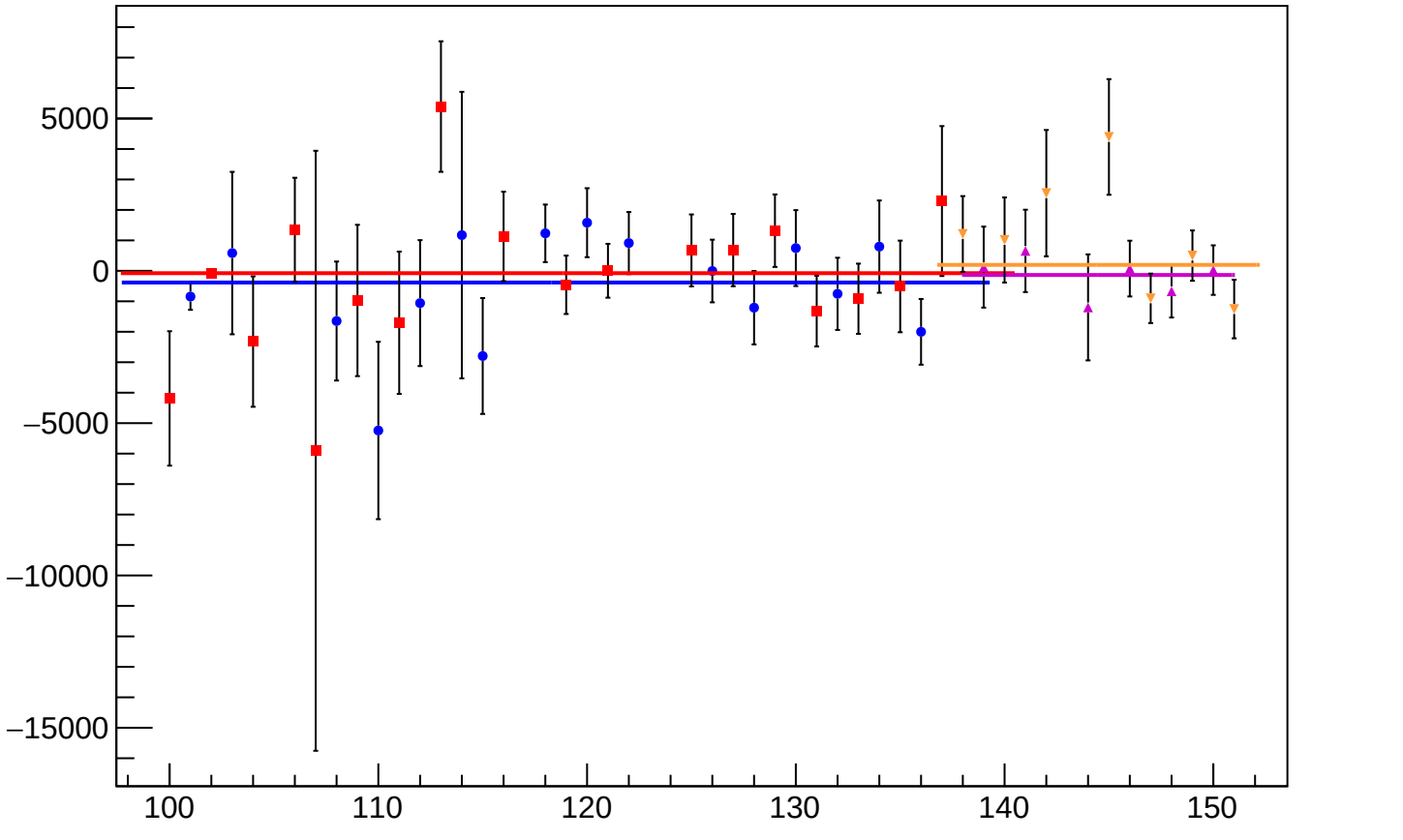
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1476.001+/-0.455 χ^2/NDF:194.7/5

+ sign 1509.506+/-0.301 χ^2/NDF: 137500.1/22

All: 1522.844+/-0.215 χ^2/NDF: 348345.9/46

- sign 1536.733+/-0.307 χ^2/NDF: 206840.3/23



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: 195.622+/-417.733 χ^2/NDF:11.4/6

Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

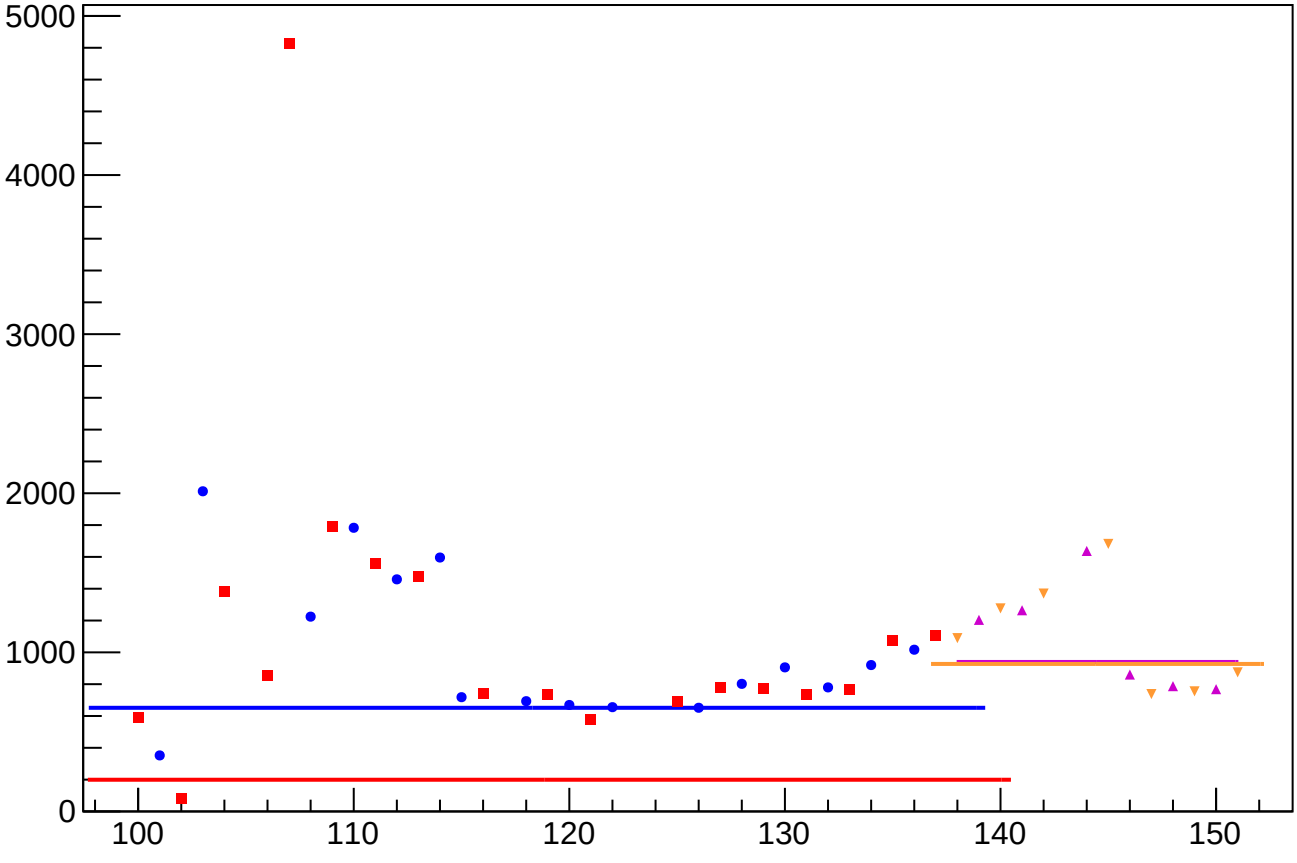
Left In: -136.030+/-426.368 χ^2/NDF:1.2/5

+ sign -210.368+/-228.061 χ^2/NDF: 31.0/22

All: -114.286+/-113.862 χ^2/NDF: 50.9/46

- sign -82.385+/-131.412 χ^2/NDF: 19.7/23

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 927.187+/-0.295 χ^2/NDF:767488.7/6

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

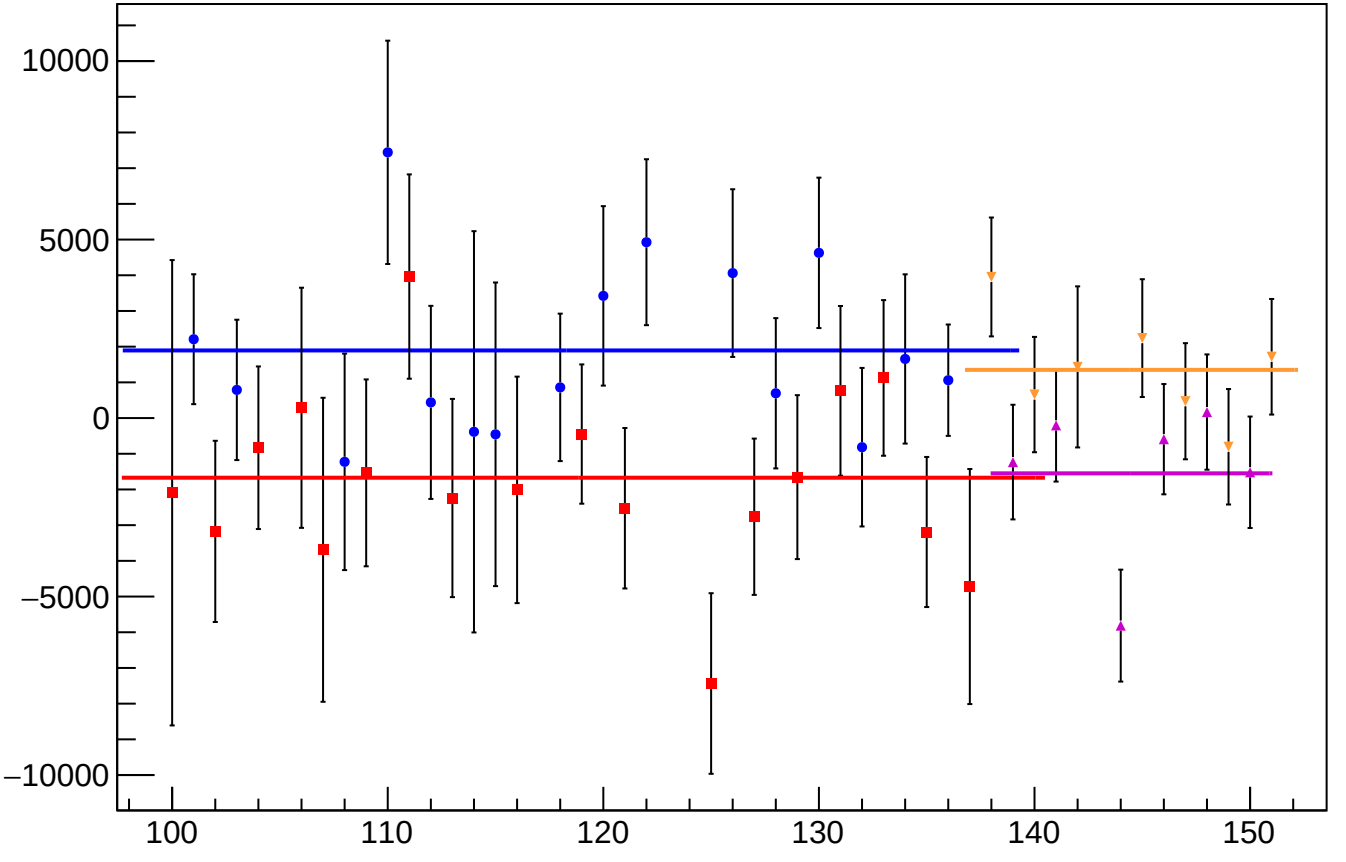
Left In: 939.581+/-0.301 χ^2/NDF:682359.7/5

+ sign 733.686+/-0.161 χ^2/NDF: 4141527.3/22

All: 385.326+/-0.081 χ^2/NDF: 25780183.0/46

- sign 269.663+/-0.093 χ^2/NDF: 15422885.8/23

dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 1350.362+/-638.966 χ^2/NDF:5.0/6

Right Out: -1670.933+/-604.838 χ^2/NDF: 15.0/17

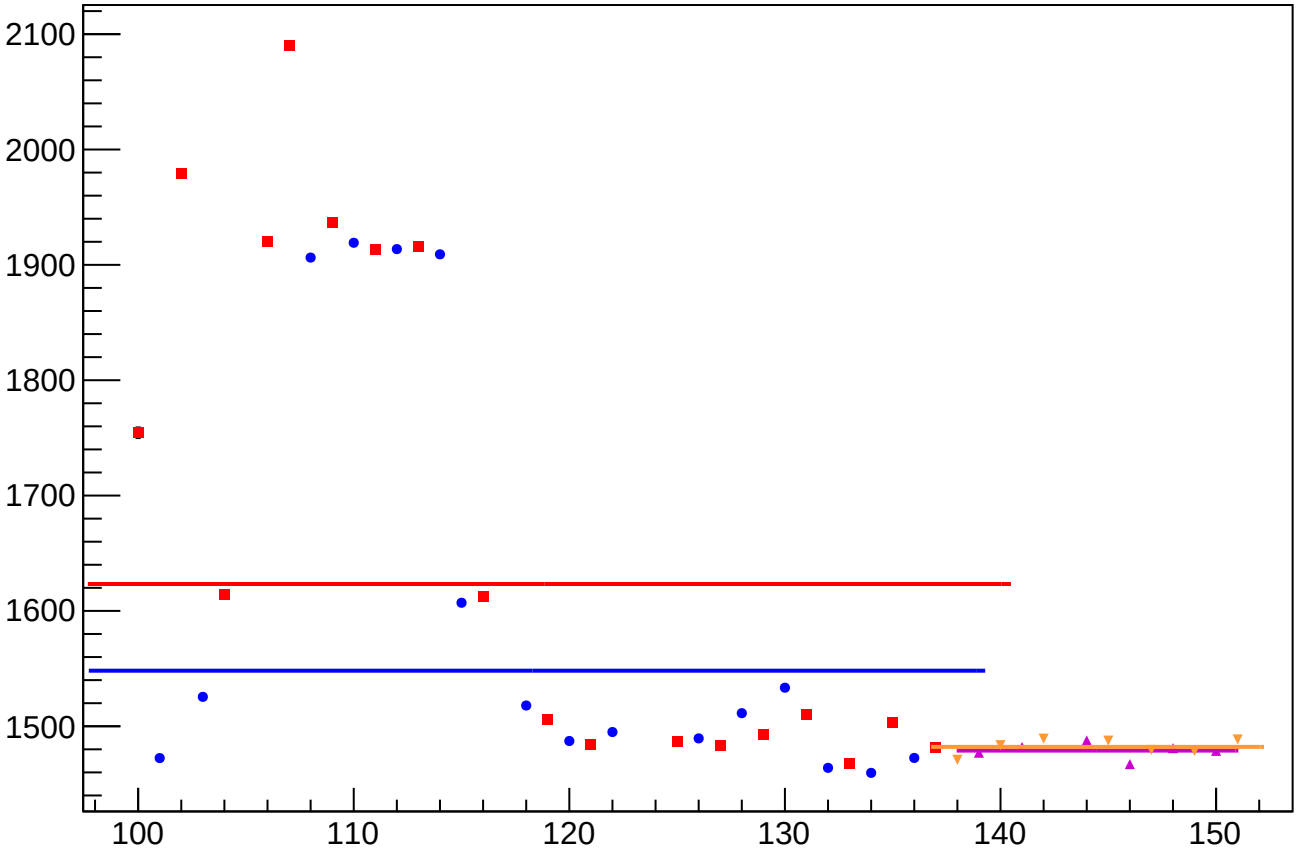
Left In: -1548.321+/-644.080 χ^2/NDF:9.7/5

+ sign 1649.614+/-428.494 χ^2/NDF: 17.7/22

All: 64.643+/-307.285 χ^2/NDF: 70.6/46

- sign -1613.476+/-440.906 χ^2/NDF: 24.7/23

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1482.116+/-0.452 χ^2/NDF:180.7/6

Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

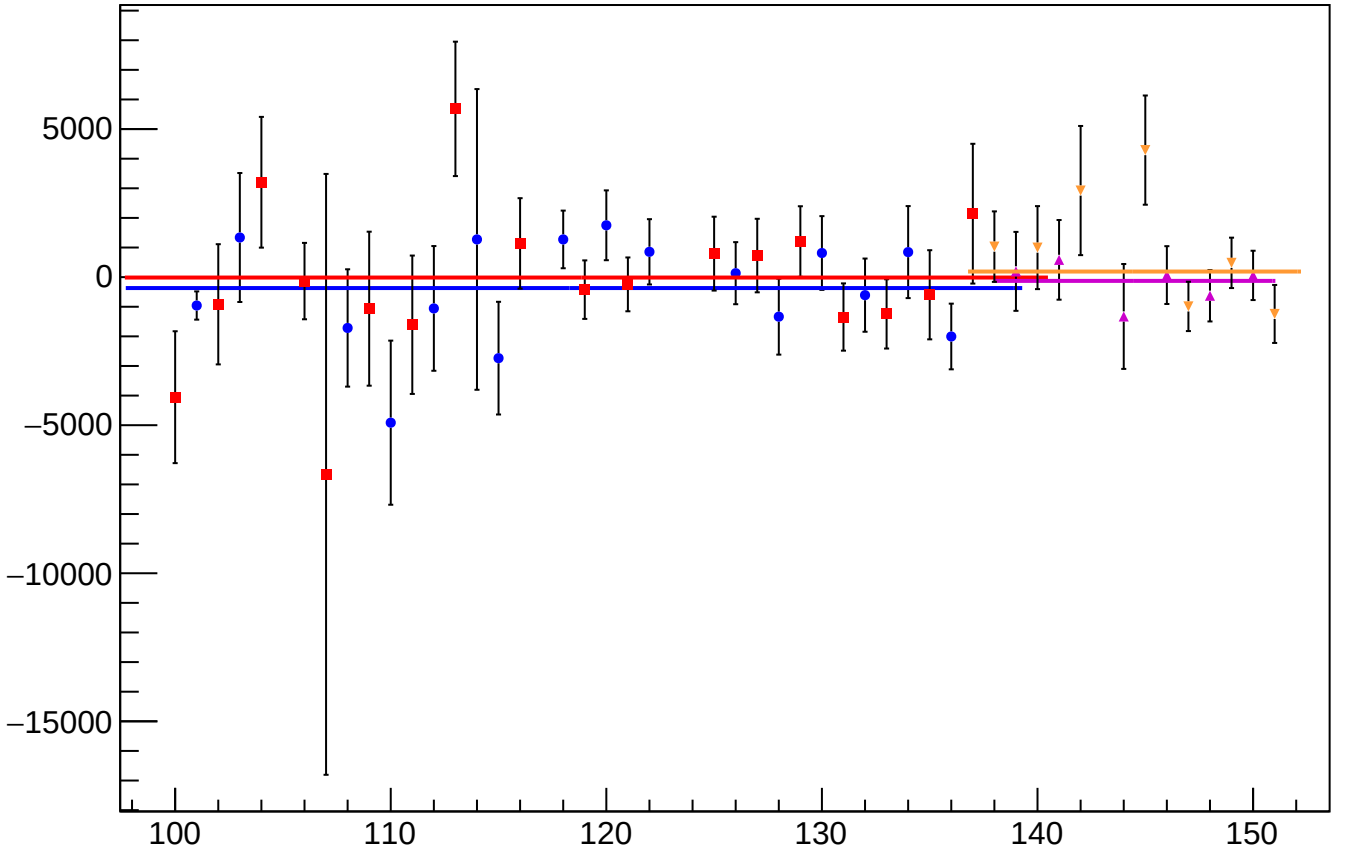
Left In: 1478.902+/-0.455 χ^2/NDF:192.0/5

+ sign 1518.467+/-0.303 χ^2/NDF: 131848.8/22

All: 1536.528+/-0.217 χ^2/NDF: 404330.1/46

- sign 1555.650+/-0.312 χ^2/NDF: 265166.1/23

asym_usl_atl1_avg_dit_correction_mean vs Slug



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: 189.111+/-423.198 χ^2/NDF:11.6/6

Right Out: -13.729+/-341.569 χ^2/NDF: 19.1/17

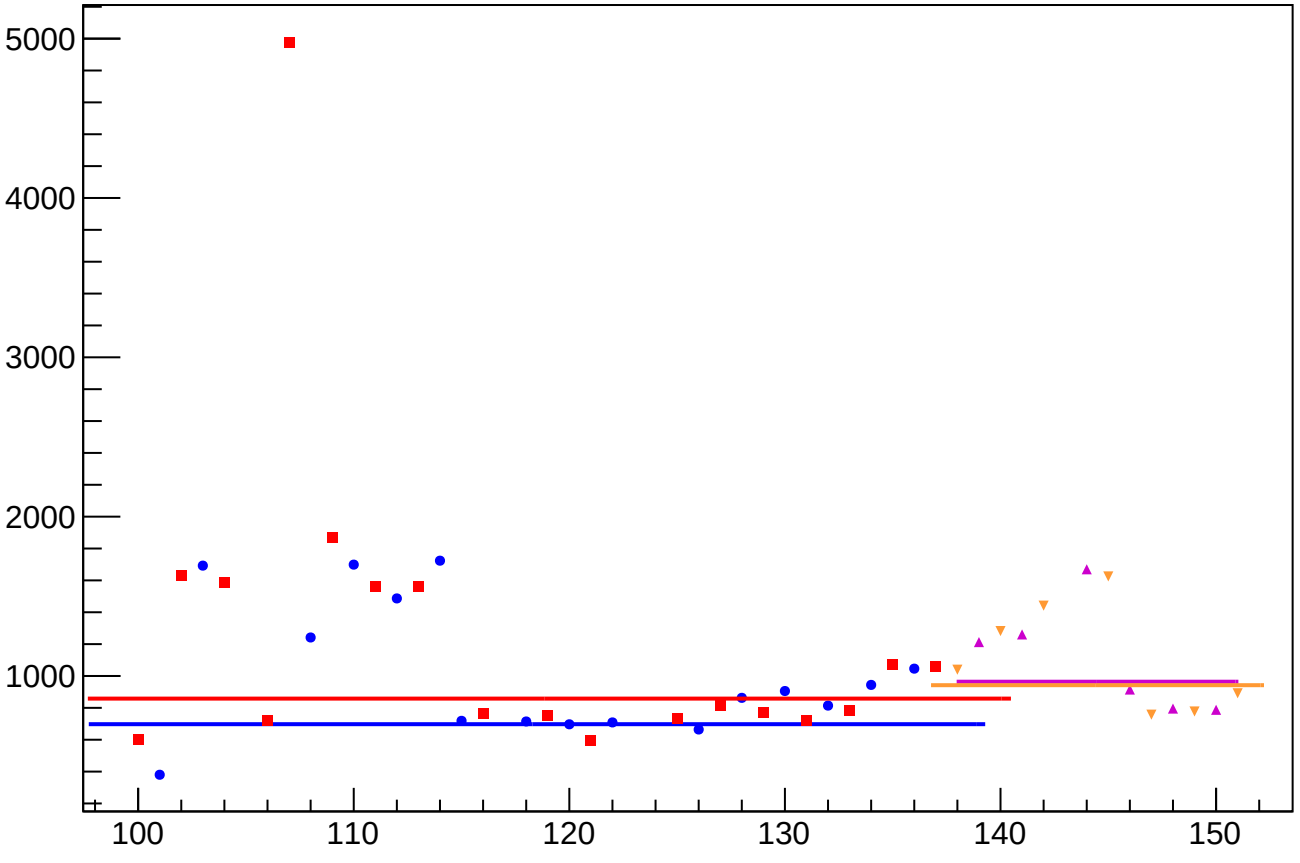
Left In: -126.718+/-436.412 χ^2/NDF:1.2/5

+ sign -193.335+/-237.290 χ^2/NDF: 31.7/22

All: -133.515+/-177.943 χ^2/NDF: 52.2/46

- sign -56.651+/-268.979 χ^2/NDF: 20.3/23

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 942.253+/-0.299 χ^2/NDF:688798.1/6

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

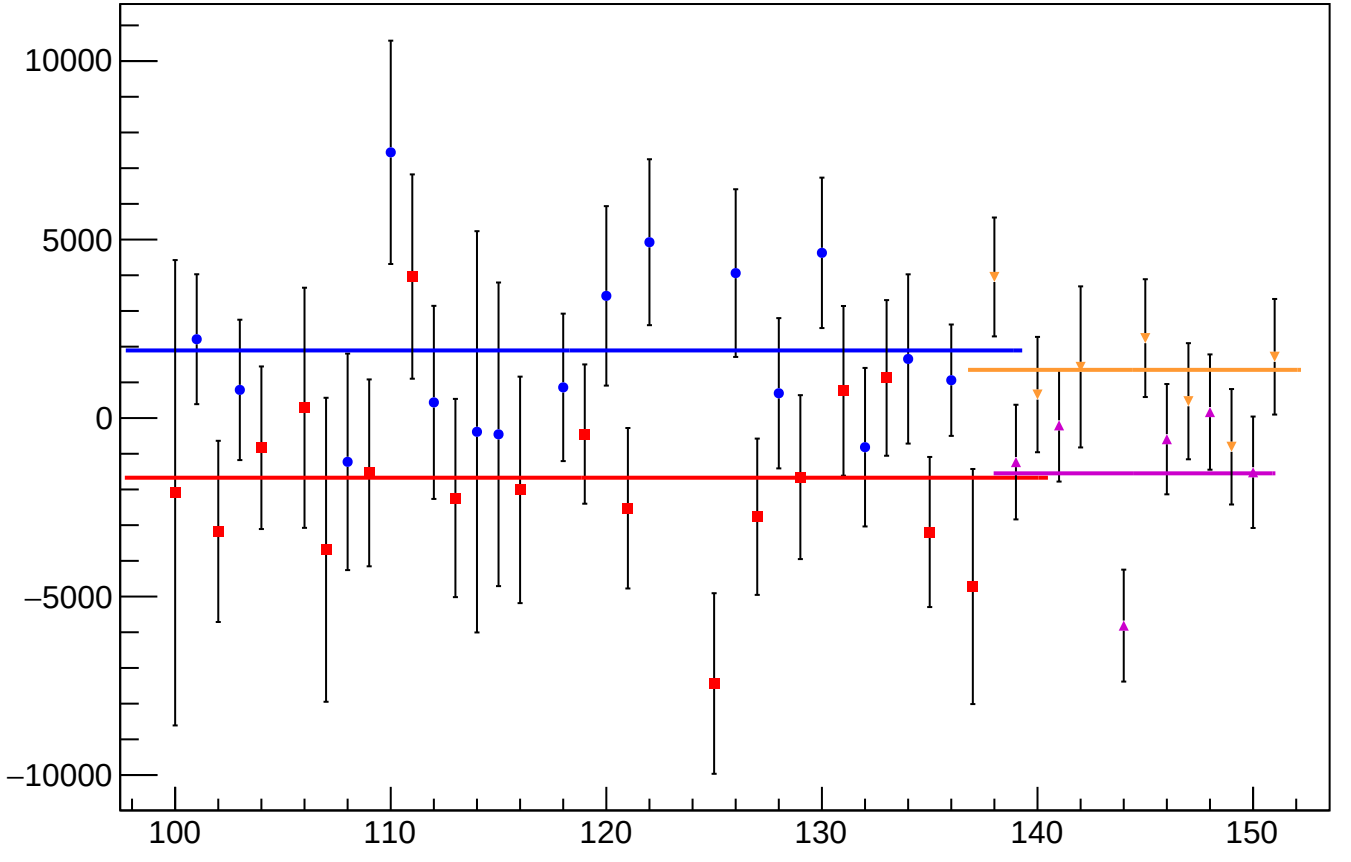
Left In: 964.055+/-0.309 χ^2/NDF:654256.6/5

+ sign 774.459+/-0.168 χ^2/NDF: 3582979.6/22

All: 828.679+/-0.126 χ^2/NDF: 6431106.9/46

- sign 898.347+/-0.190 χ^2/NDF: 2609535.1/23

eigen_dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 1350.362+/-638.966 χ^2/NDF:5.0/6

Right Out: -1670.931+/-604.838 χ^2/NDF: 15.0/17

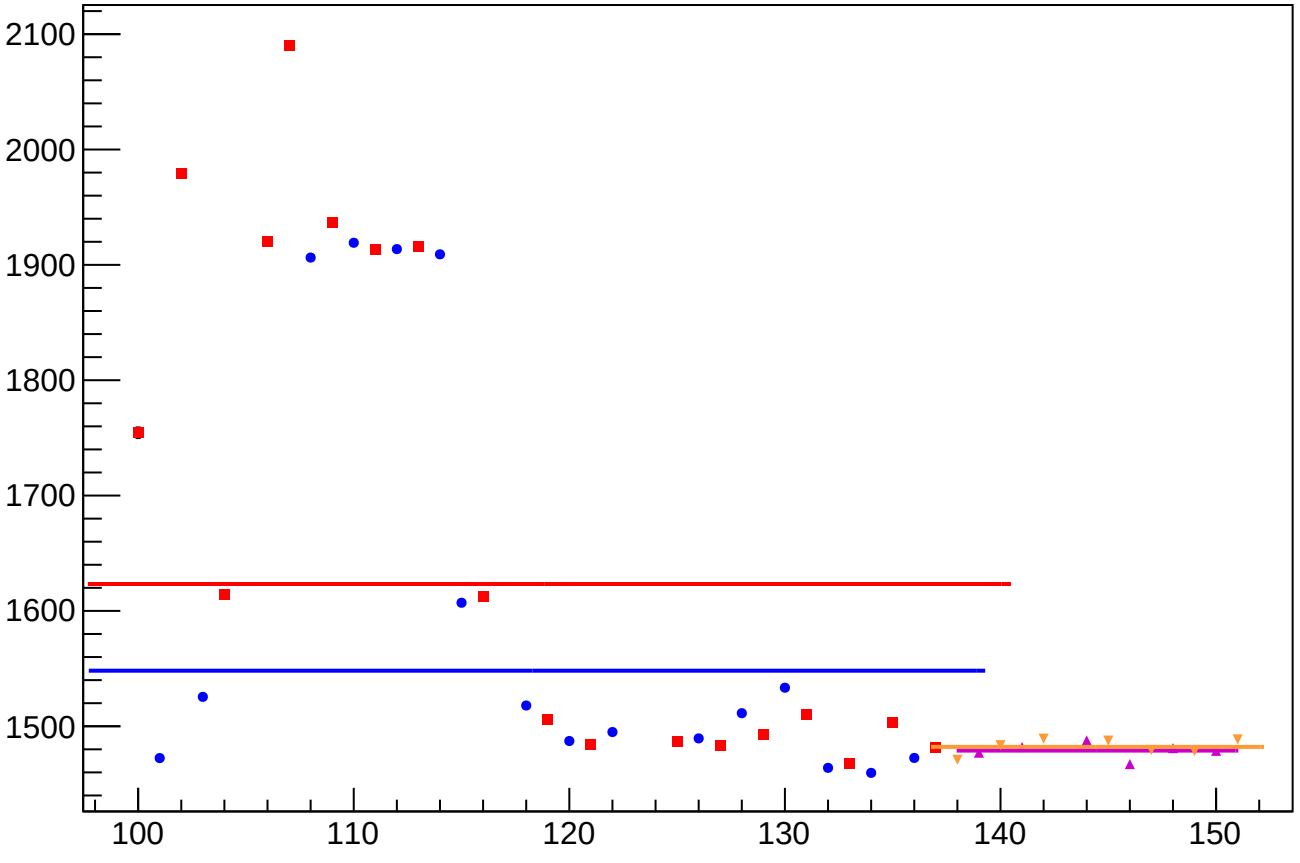
Left In: -1548.322+/-644.080 χ^2/NDF:9.7/5

+ sign 1649.613+/-428.494 χ^2/NDF: 17.7/22

All: 64.642+/-307.285 χ^2/NDF: 70.6/46

- sign -1613.475+/-440.906 χ^2/NDF: 24.7/23

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1482.116+/-0.452 χ^2/NDF:180.7/6

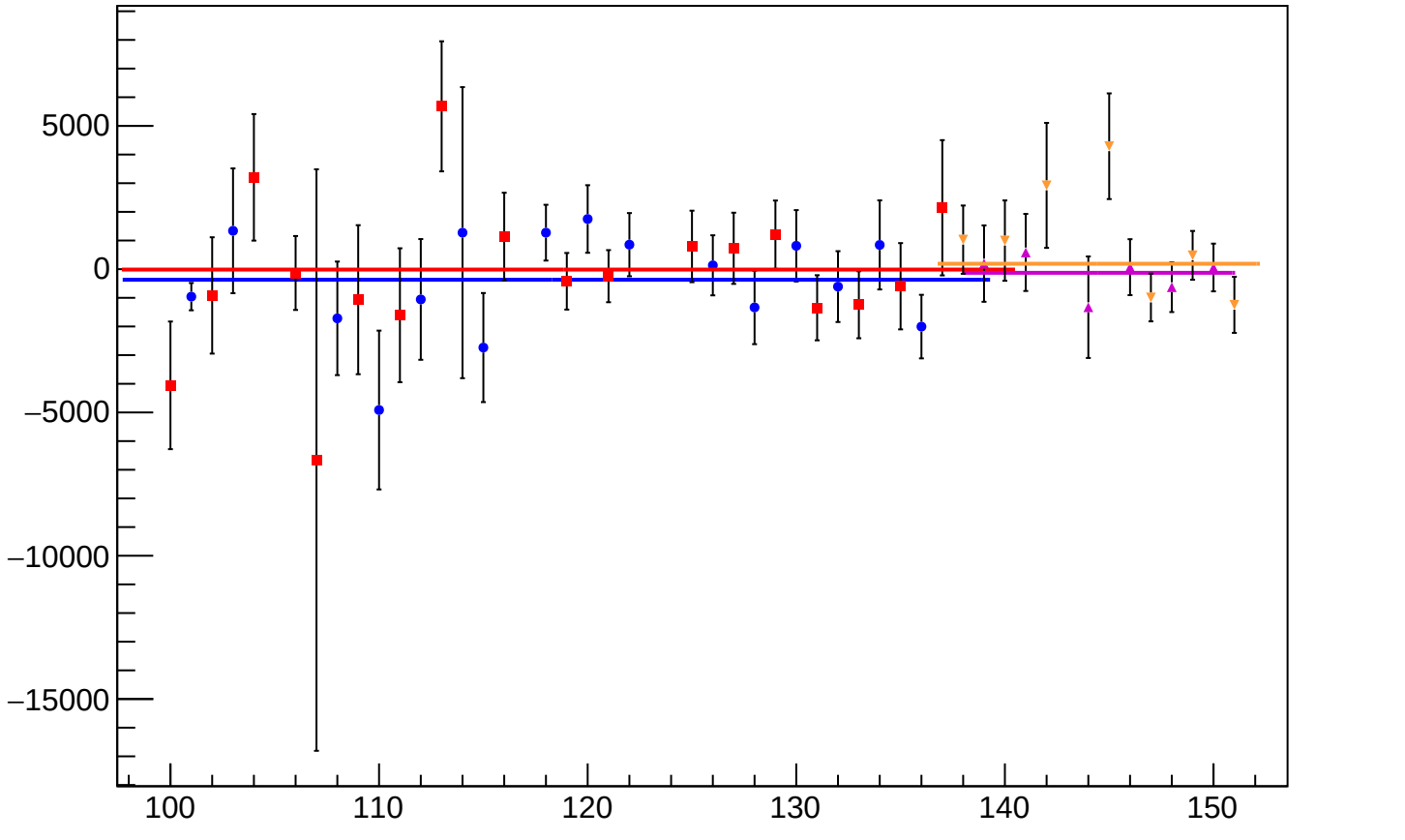
Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1478.902+/-0.455 χ^2/NDF:192.0/5

+ sign 1518.467+/-0.303 χ^2/NDF: 131848.8/22

All: 1536.528+/-0.217 χ^2/NDF: 404329.7/46

- sign 1555.650+/-0.312 χ^2/NDF: 265165.7/23



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

Left Out: 189.109+/-423.199 χ^2/NDF:11.6/6

Right Out: -13.730+/-341.568 χ^2/NDF: 19.1/17

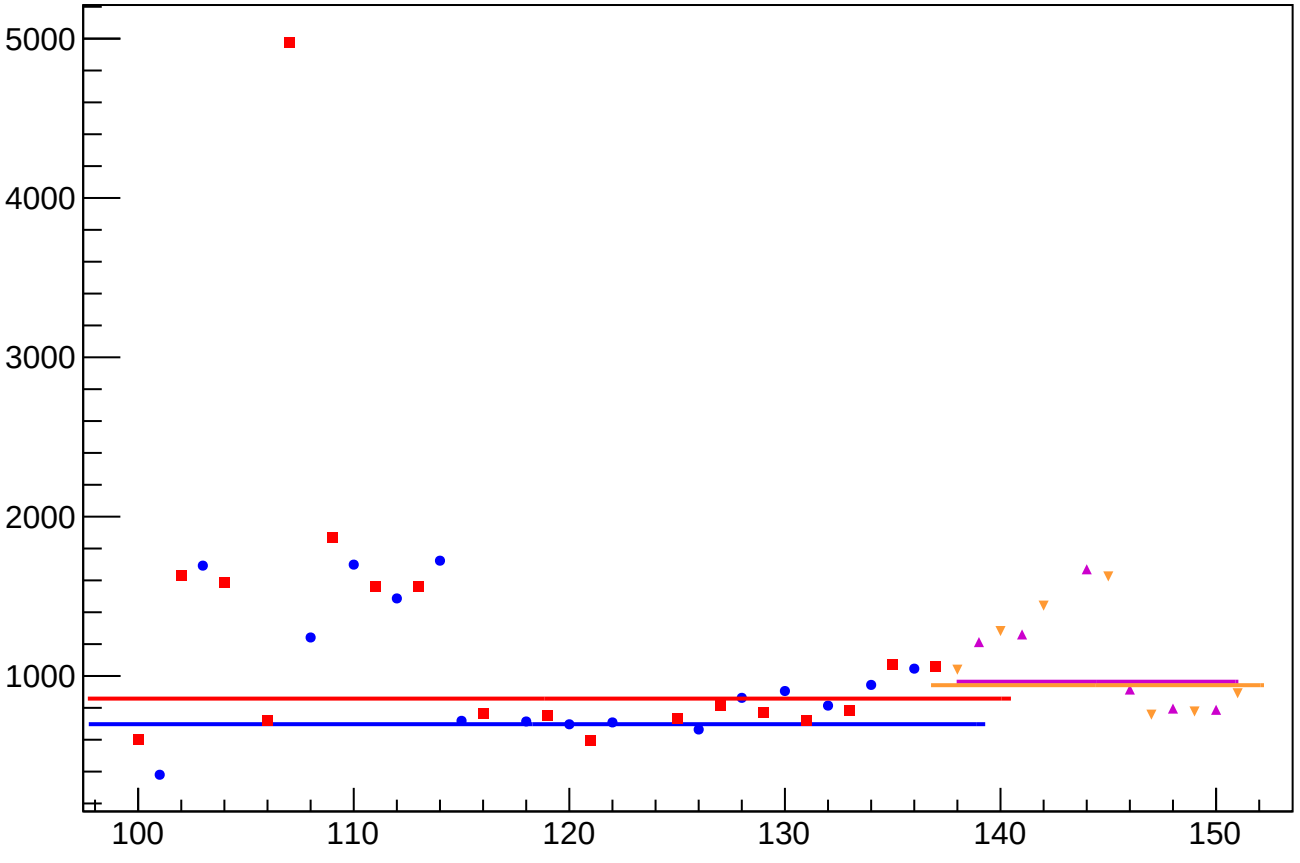
Left In: -126.719+/-436.413 χ^2/NDF:1.2/5

+ sign -193.335+/-237.290 χ^2/NDF: 31.7/22

All: -133.515+/-177.943 χ^2/NDF: 52.2/46

- sign -56.651+/-268.978 χ^2/NDF: 20.3/23

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug



Right In: 697.517+/-0.203 χ^2/NDF: 2435593.9/15

Left Out: 942.254+/-0.299 χ^2/NDF:688797.2/6

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

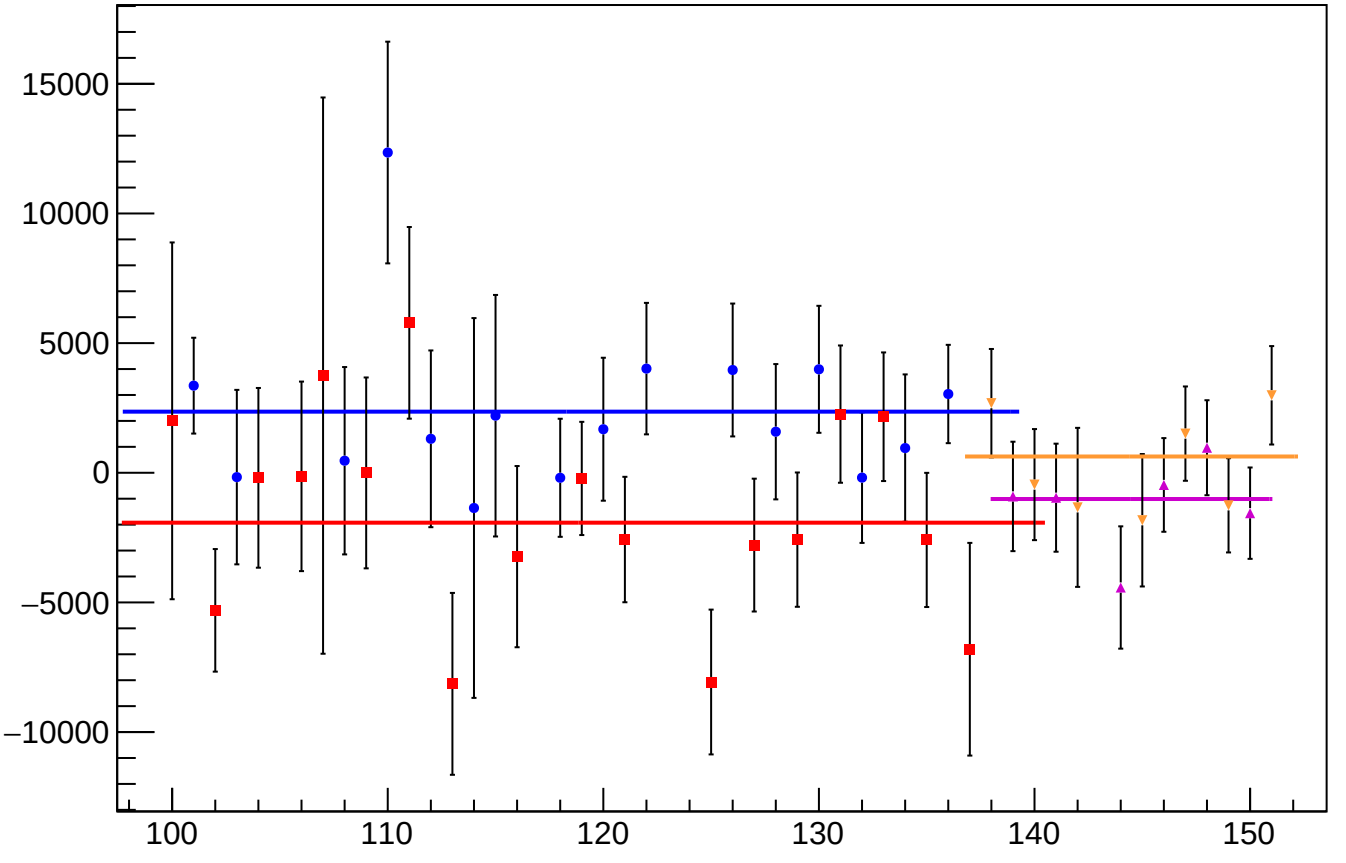
Left In: 964.057+/-0.309 χ^2/NDF:654255.1/5

+ sign 774.460+/-0.168 χ^2/NDF: 3582976.4/22

All: 828.679+/-0.126 χ^2/NDF: 6431113.2/46

- sign 898.347+/-0.190 χ^2/NDF: 2609547.7/23

asym_usl_atl1_avg_mean vs Slug



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 627.515+/-793.222 χ^2/NDF:5.4/6

Right Out: -1924.824+/-706.809 χ^2/NDF: 23.4/17

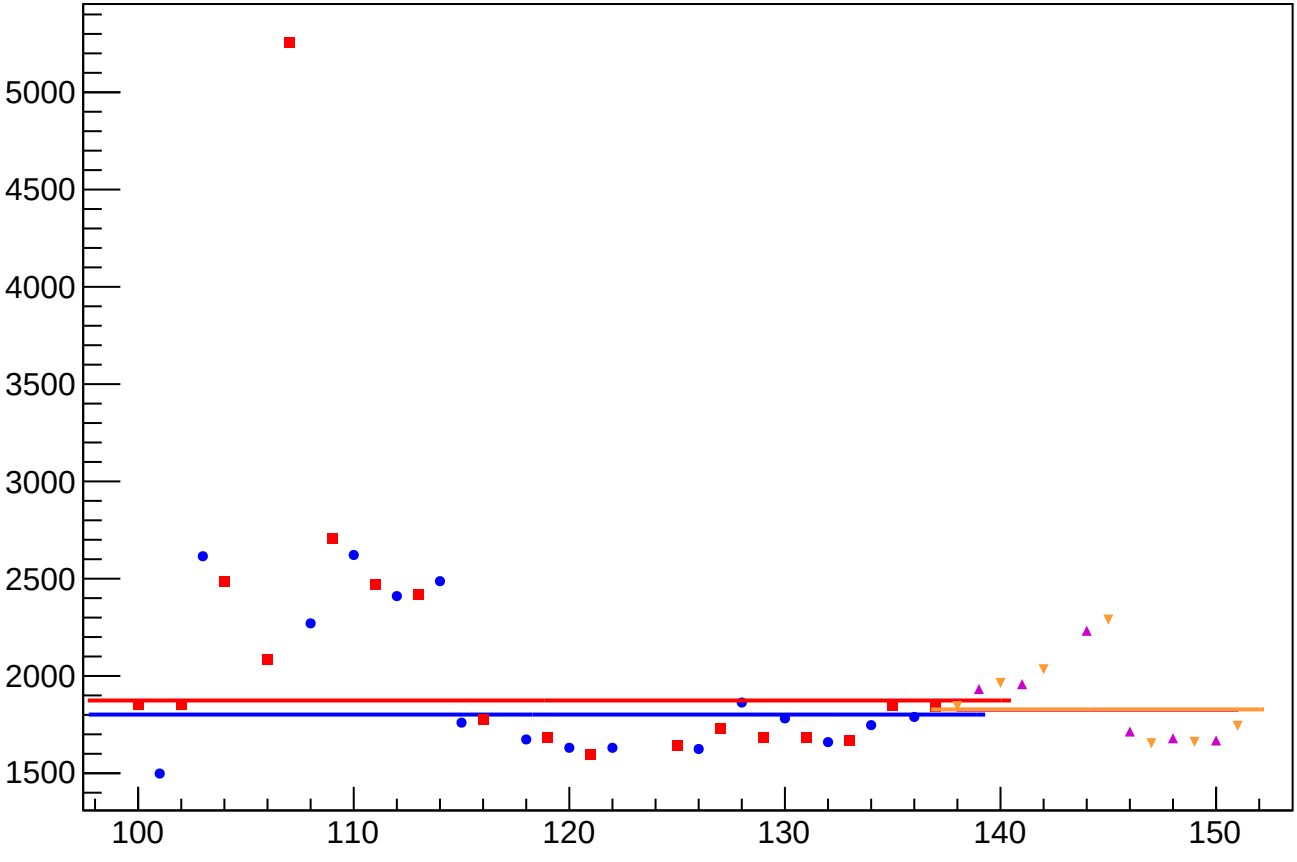
Left In: -1011.879+/-800.263 χ^2/NDF:3.4/5

+ sign 1625.705+/-515.801 χ^2/NDF: 19.2/22

All: 92.544+/-369.564 χ^2/NDF: 64.9/46

- sign -1524.747+/-529.764 χ^2/NDF: 27.6/23

asym_usl_atl1_avg_rms vs Slug



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1827.885+/-0.561 χ^2/NDF:121751.3/6

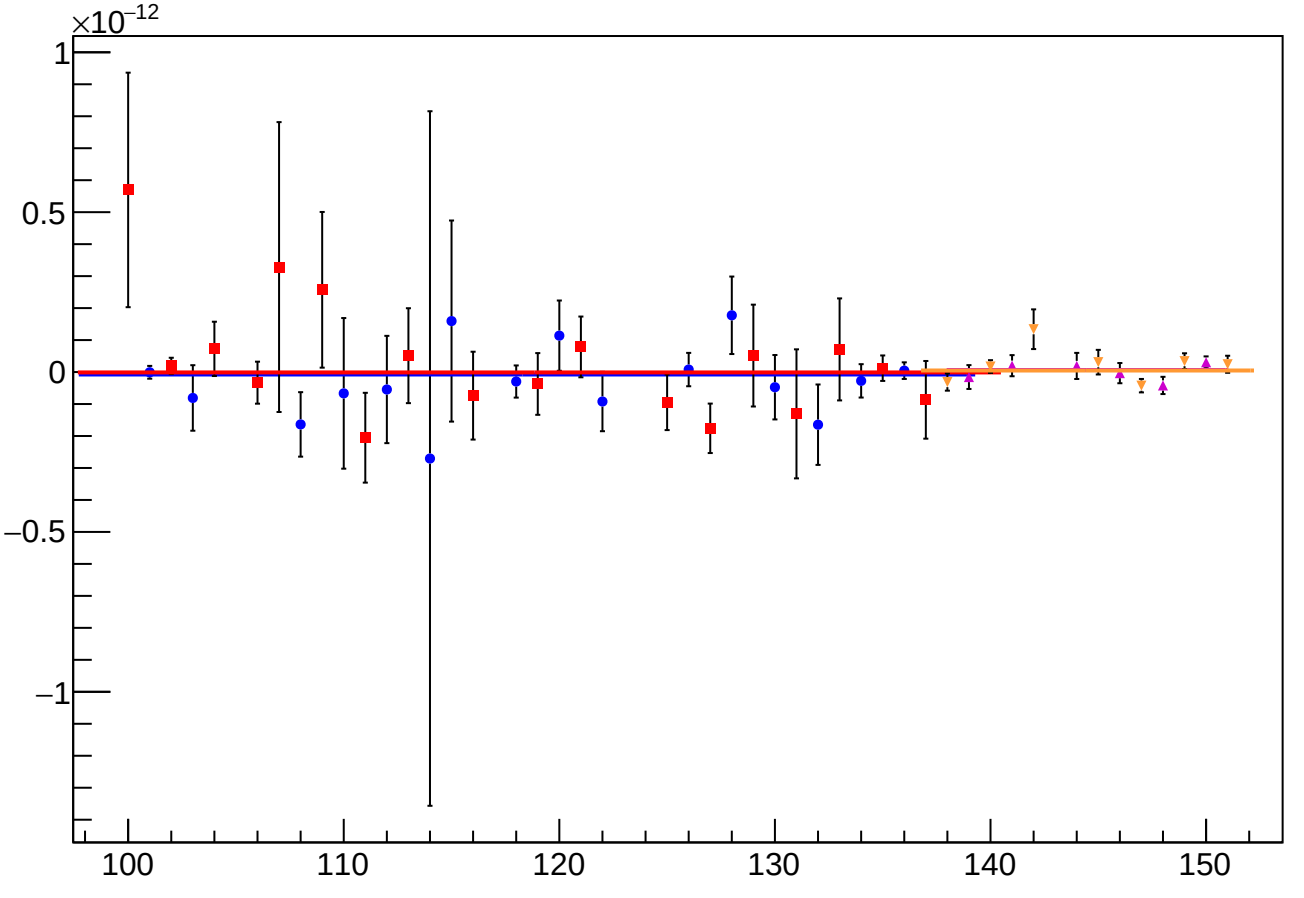
Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1825.405+/-0.566 χ^2/NDF:108829.3/5

+ sign 1812.673+/-0.365 χ^2/NDF: 523728.2/22

All: 1832.148+/-0.261 χ^2/NDF: 1212463.8/46

- sign 1852.691+/-0.375 χ^2/NDF: 682877.1/23



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.0/6

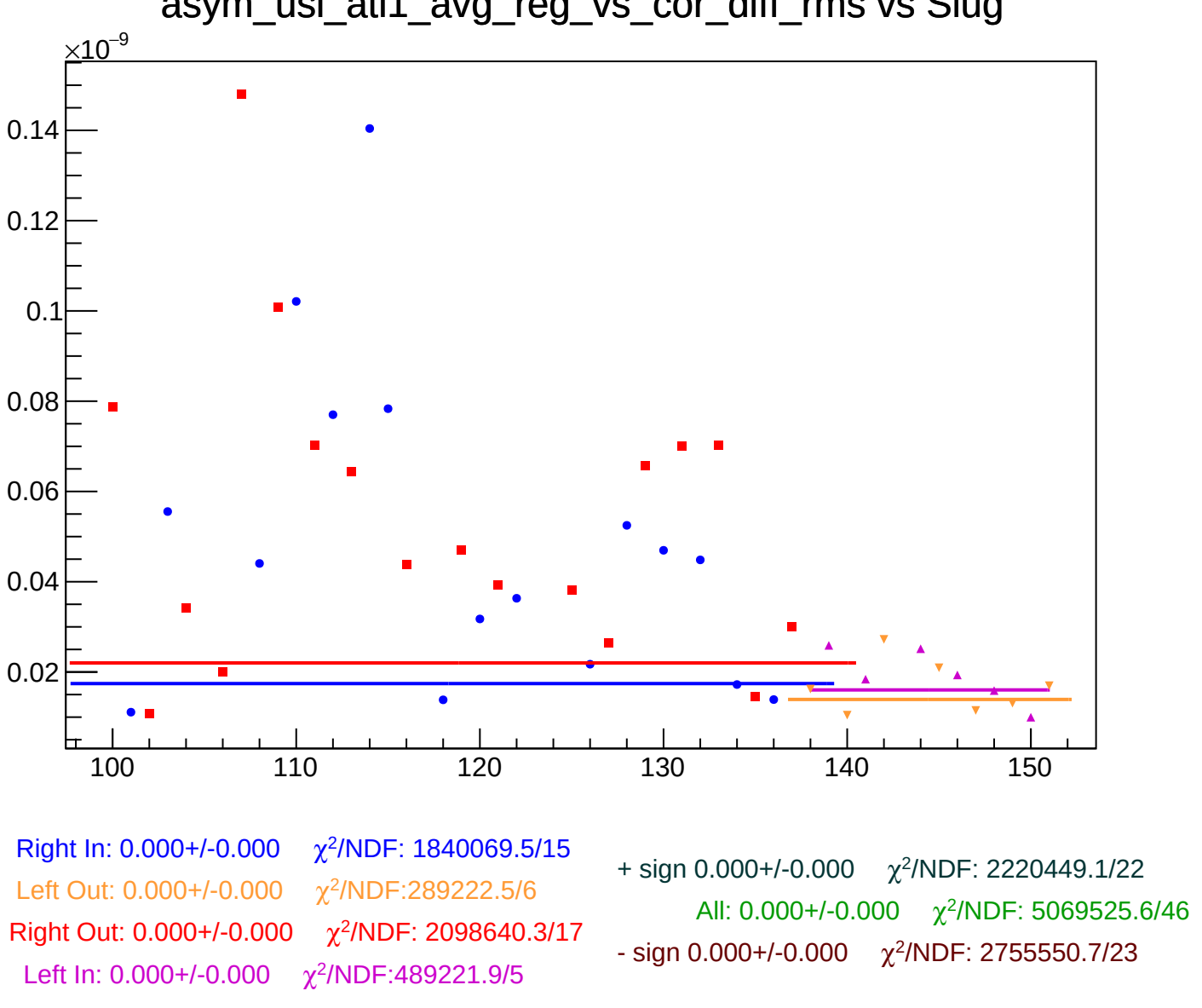
Right Out: -0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: 0.000+/-0.000 χ^2/NDF:5.6/5

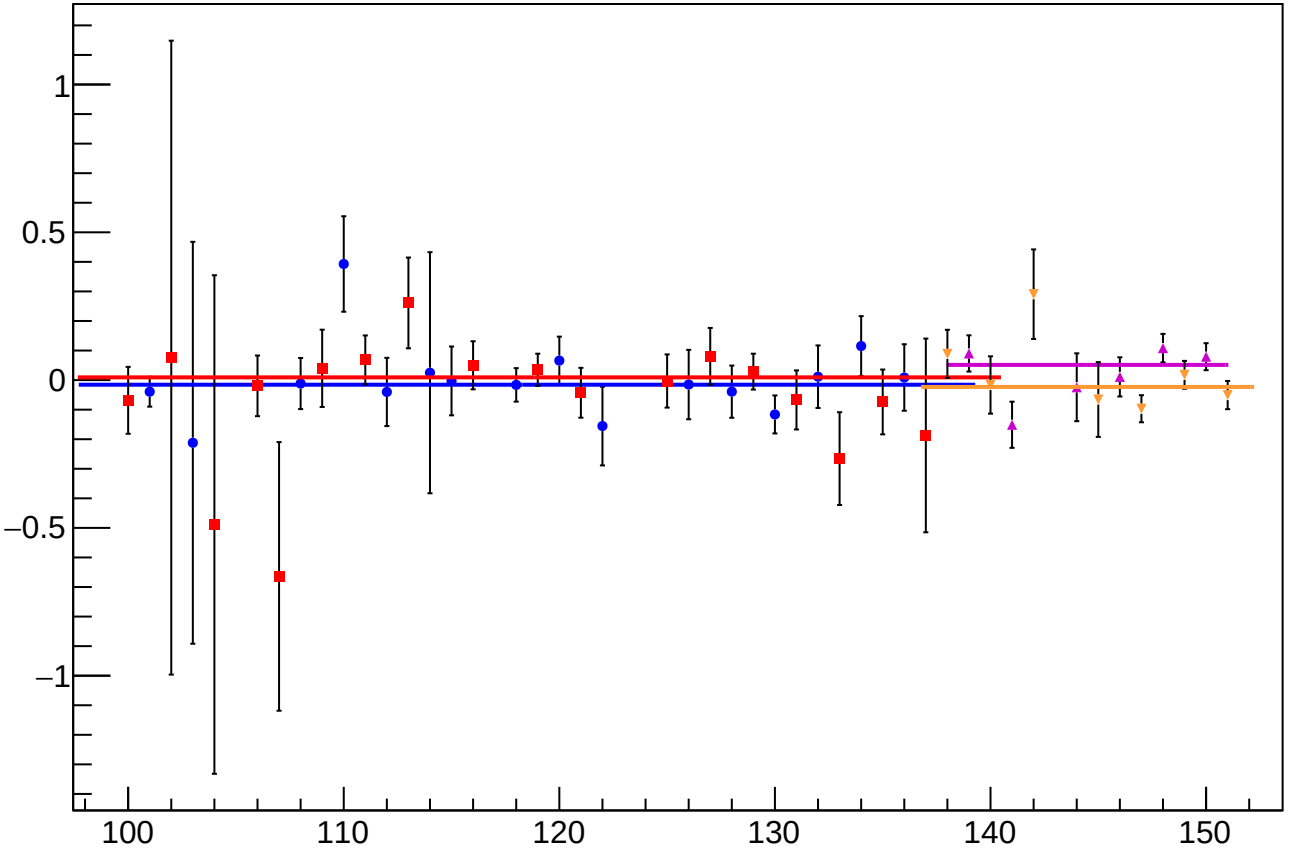
+ sign 0.000+/-0.000 χ^2/NDF: 24.8/22

All: 0.000+/-0.000 χ^2/NDF: 47.4/46

- sign 0.000+/-0.000 χ^2/NDF: 22.4/23


asym_usl_atl1_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1840069.5/15
Left Out: 0.000+/-0.000 χ²/NDF:289222.5/6
Right Out: 0.000+/-0.000 χ²/NDF: 2098640.3/17
Left In: 0.000+/-0.000 χ²/NDF:489221.9/5
+ sign 0.000+/-0.000 χ²/NDF: 2220449.1/22
All: 0.000+/-0.000 χ²/NDF: 5069525.6/46
- sign 0.000+/-0.000 χ²/NDF: 2755550.7/23

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: -0.023+/-0.024 χ^2/NDF:10.0/6

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

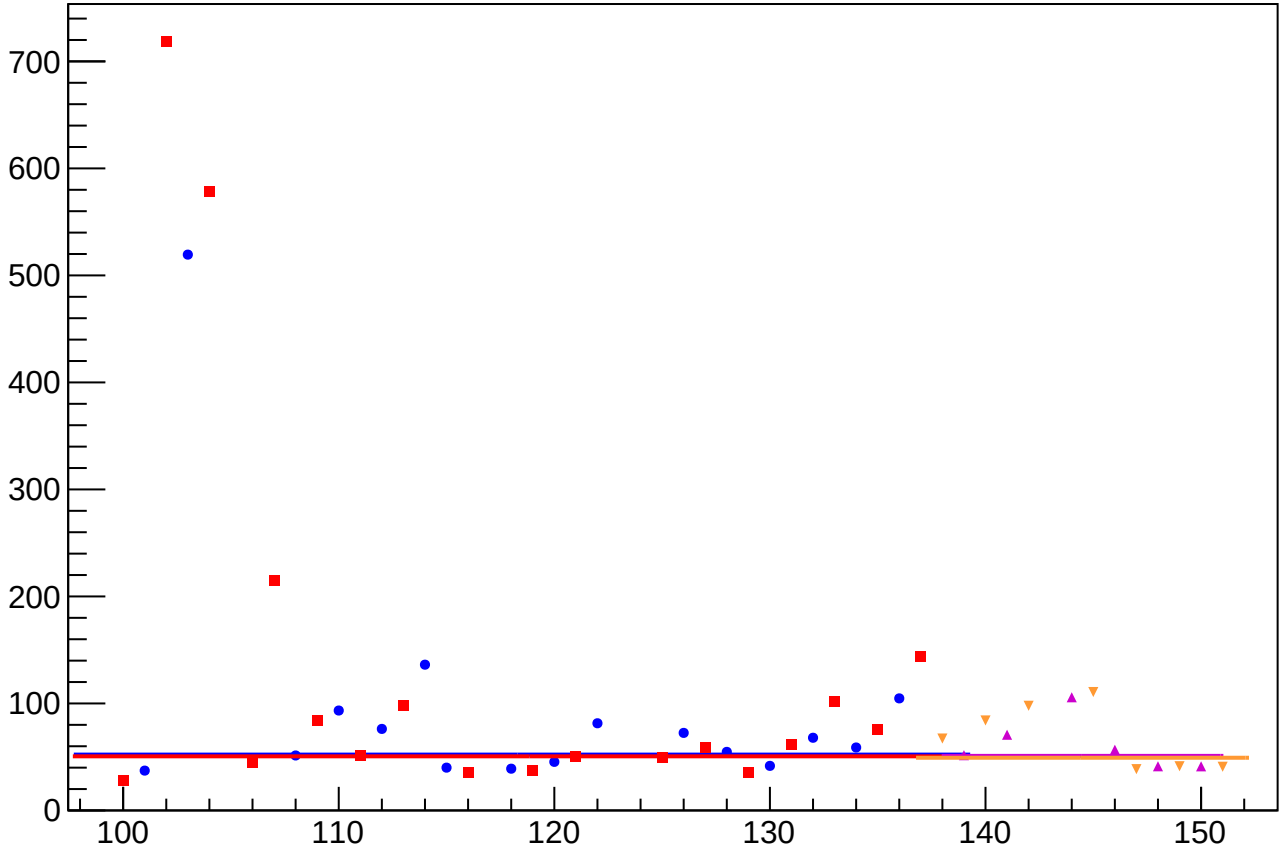
Left In: 0.051+/-0.025 χ^2/NDF:9.7/5

+ sign -0.019+/-0.016 χ^2/NDF: 23.2/22

All: 0.004+/-0.012 χ^2/NDF: 51.1/46

- sign 0.029+/-0.017 χ^2/NDF: 23.7/23

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: 49.254+/-0.017 χ^2/NDF:1260078.0/6

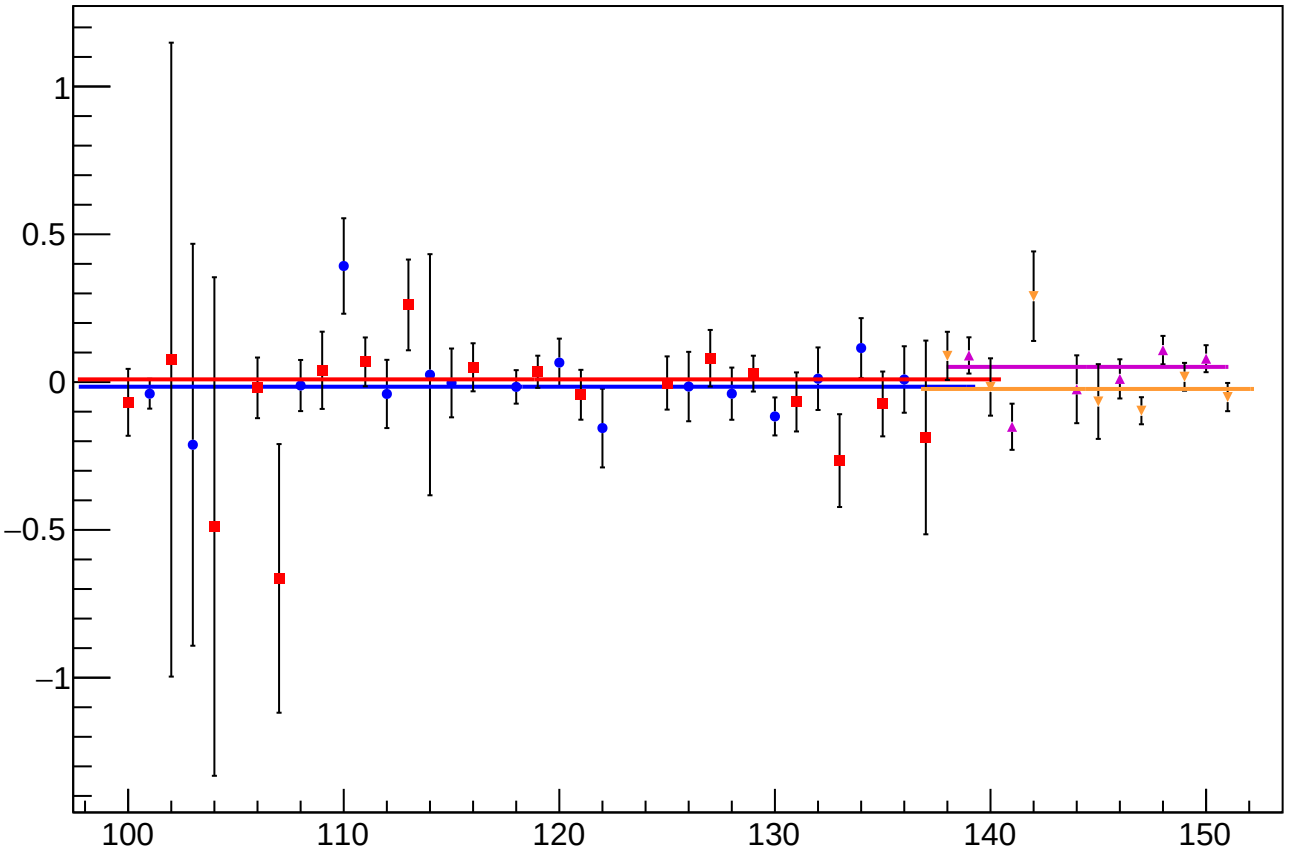
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 50.998+/-0.017 χ^2/NDF:771880.3/5

+ sign 50.810+/-0.012 χ^2/NDF: 3542823.0/22

All: 50.796+/-0.008 χ^2/NDF: 7366383.5/46

- sign 50.781+/-0.012 χ^2/NDF: 3823557.7/23



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.023+/-0.024 χ^2/NDF:10.0/6

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

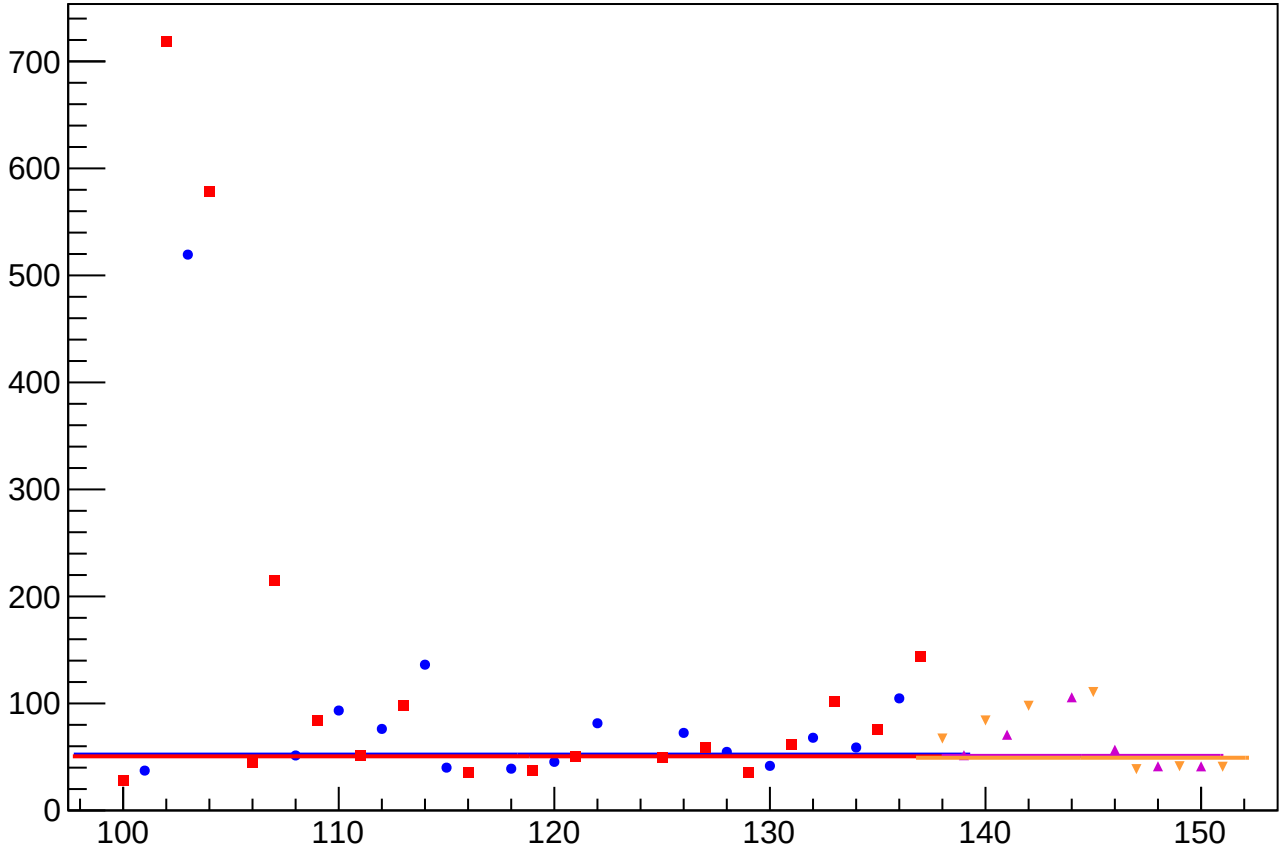
Left In: 0.051+/-0.025 χ^2/NDF:9.7/5

+ sign -0.019+/-0.016 χ^2/NDF: 23.2/22

All: 0.004+/-0.012 χ^2/NDF: 51.1/46

- sign 0.029+/-0.017 χ^2/NDF: 23.7/23

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: 49.254+/-0.017 χ^2/NDF:1260078.0/6

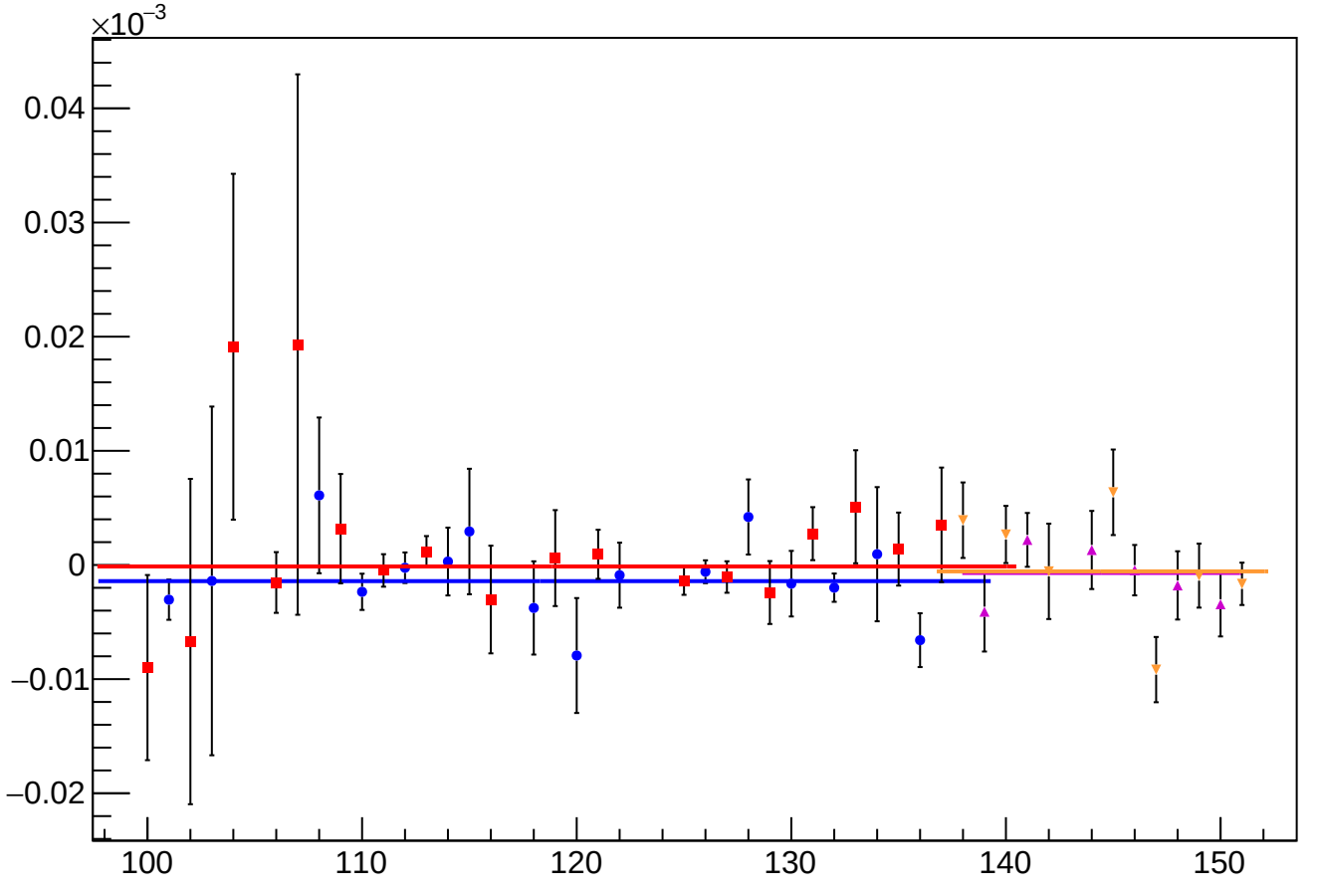
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 50.998+/-0.017 χ^2/NDF:771880.3/5

+ sign 50.810+/-0.012 χ^2/NDF: 3542823.0/22

All: 50.796+/-0.008 χ^2/NDF: 7366383.5/46

- sign 50.781+/-0.012 χ^2/NDF: 3823557.7/23



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

Left Out: -0.000+/-0.000 χ^2/NDF:16.3/6

Right Out: -0.000+/-0.000 χ^2/NDF: 11.6/17

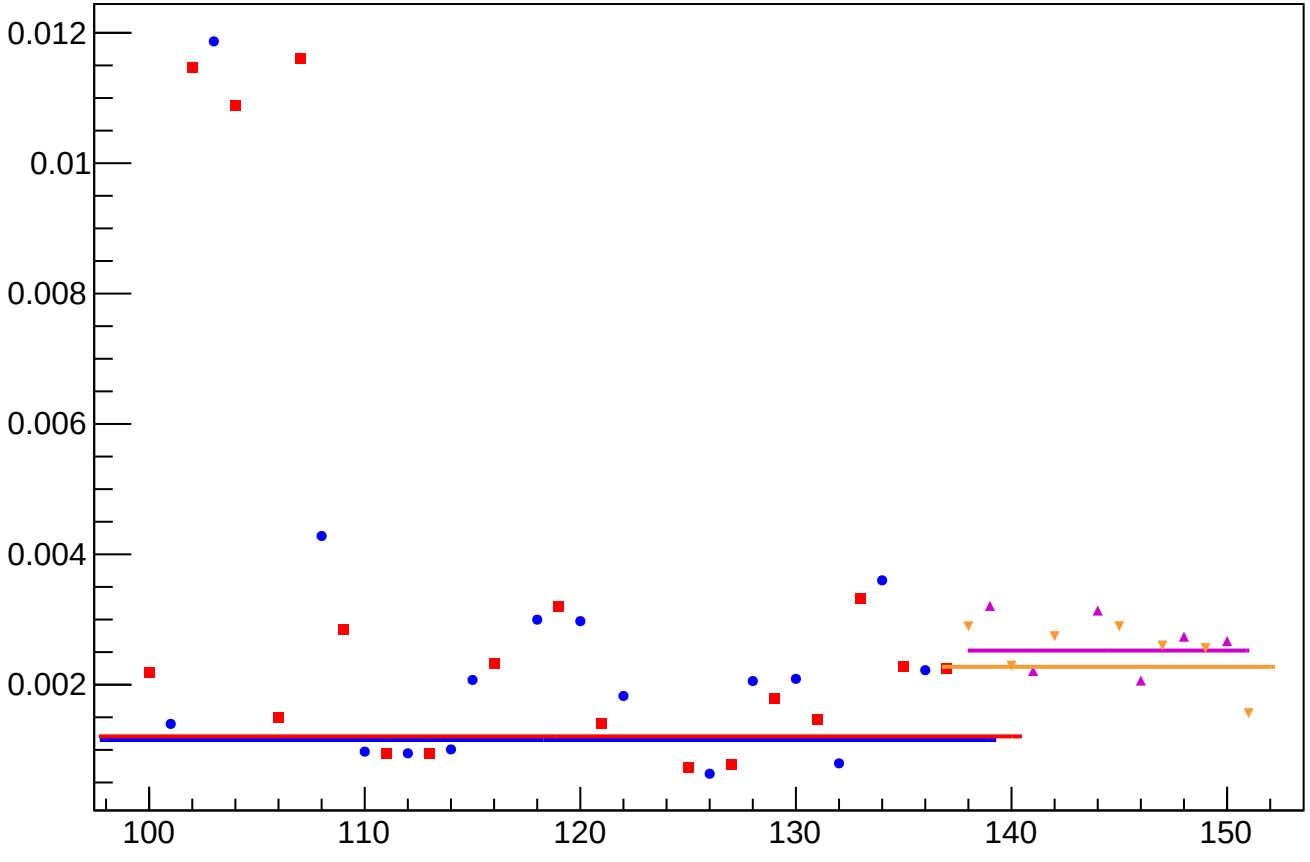
Left In: -0.000+/-0.000 χ^2/NDF:3.9/5

+ sign -0.000+/-0.000 χ^2/NDF: 31.8/22

All: -0.000+/-0.000 χ^2/NDF: 49.7/46

- sign -0.000+/-0.000 χ^2/NDF: 15.7/23

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 4187928.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:492512.9/6

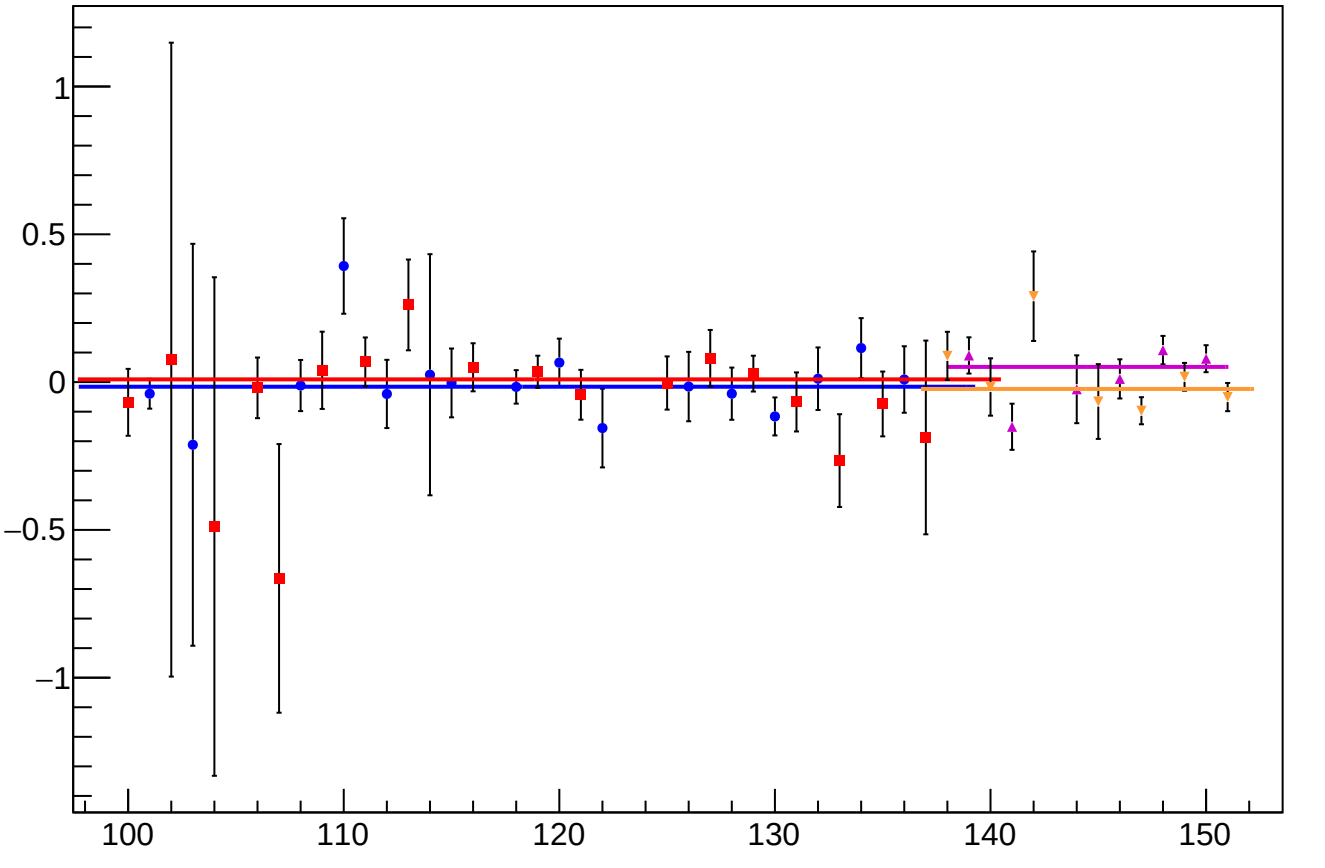
Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

Left In: 0.003+/-0.000 χ^2/NDF:279175.7/5

+ sign 0.001+/-0.000 χ^2/NDF: 6541783.1/22

All: 0.001+/-0.000 χ^2/NDF: 13580529.5/46

- sign 0.001+/-0.000 χ^2/NDF: 7001139.3/23



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.023+/-0.024 χ^2/NDF:10.0/6

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

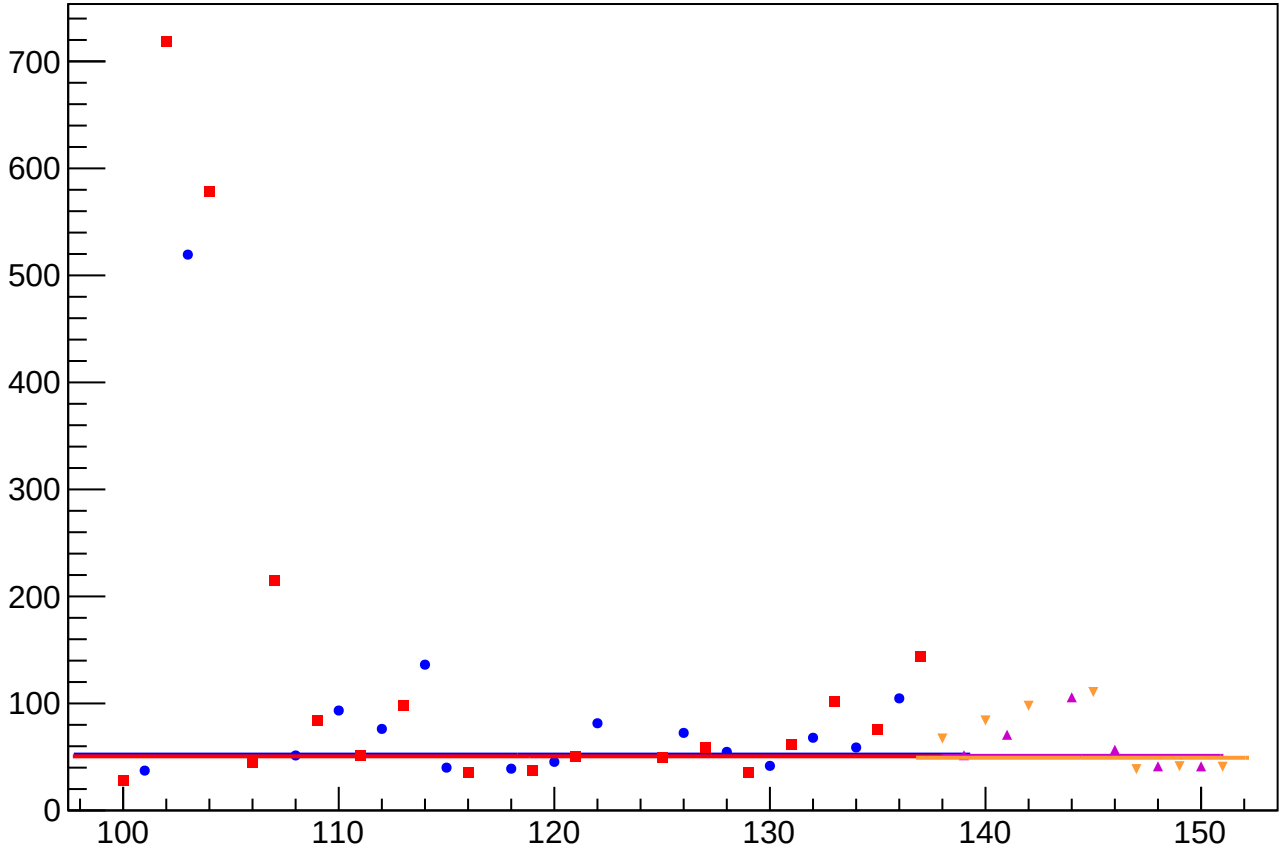
Left In: 0.051+/-0.025 χ^2/NDF:9.7/5

+ sign -0.019+/-0.016 χ^2/NDF: 23.2/22

All: 0.004+/-0.012 χ^2/NDF: 51.1/46

- sign 0.029+/-0.017 χ^2/NDF: 23.7/23

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: 49.255+/-0.017 χ^2/NDF:1260051.6/6

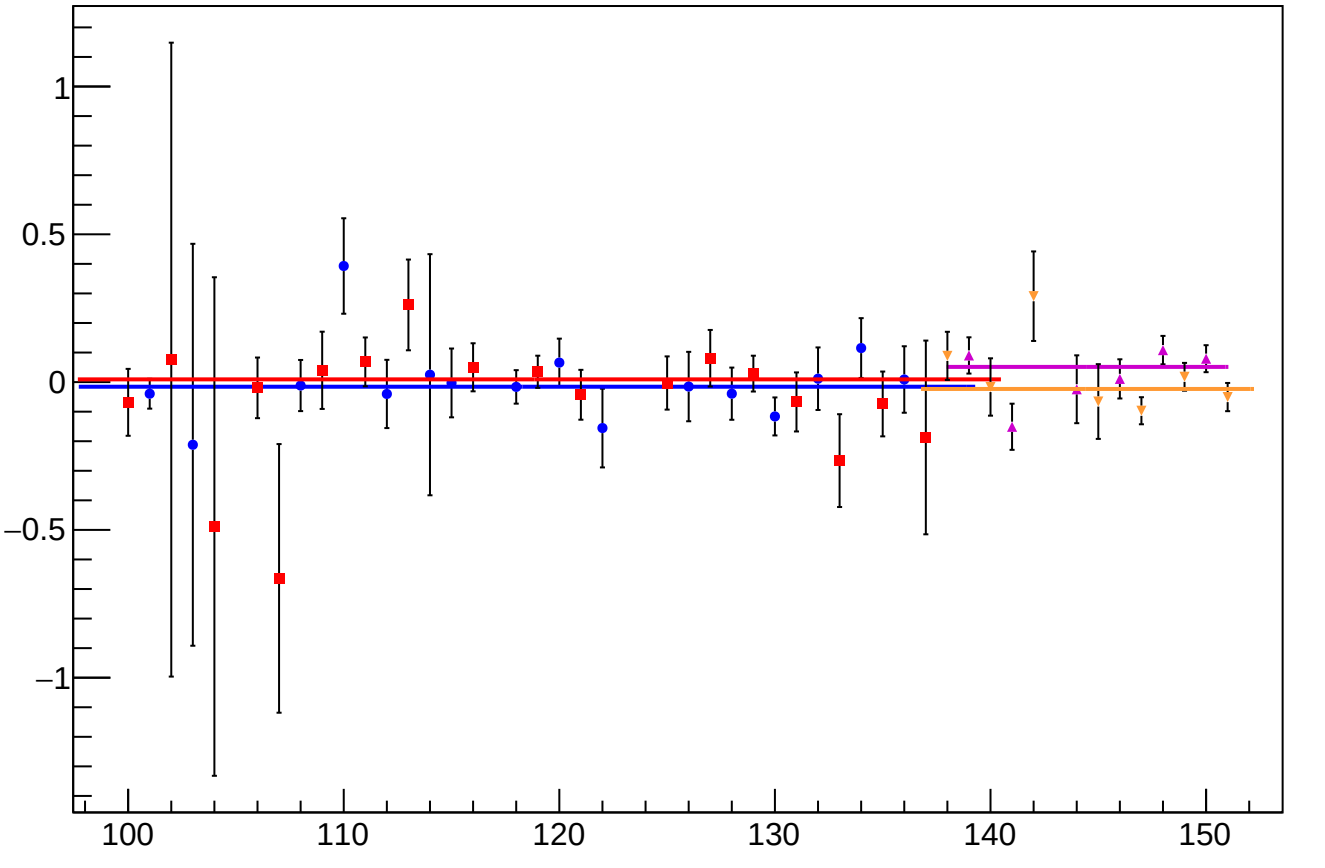
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 50.999+/-0.017 χ^2/NDF:771864.2/5

+ sign 50.810+/-0.012 χ^2/NDF: 3542786.9/22

All: 50.796+/-0.008 χ^2/NDF: 7366316.8/46

- sign 50.781+/-0.012 χ^2/NDF: 3823526.9/23



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.023+/-0.024 χ^2/NDF:10.0/6

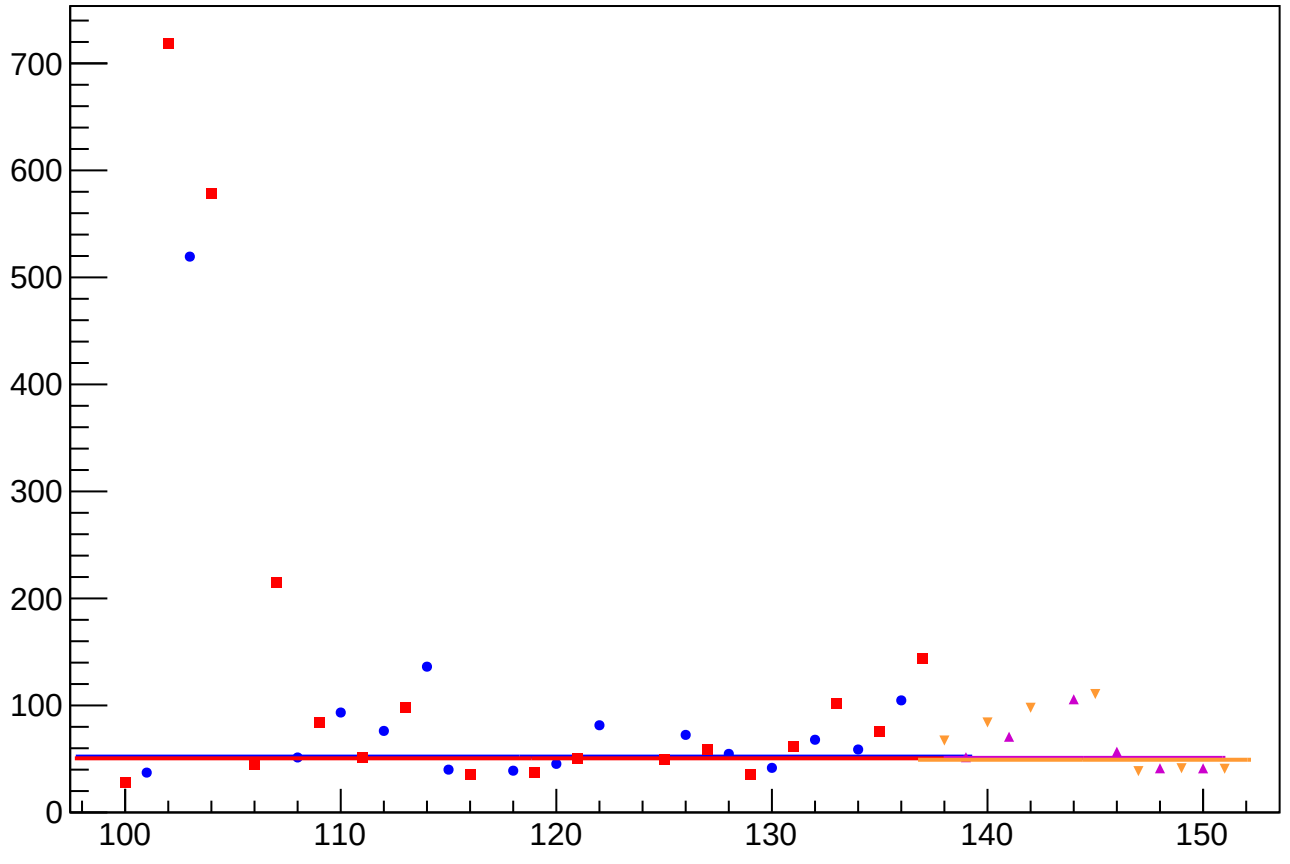
Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.051+/-0.025 χ^2/NDF:9.7/5

+ sign -0.019+/-0.016 χ^2/NDF: 23.2/22

All: 0.004+/-0.012 χ^2/NDF: 51.1/46

- sign 0.029+/-0.017 χ^2/NDF: 23.7/23



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 49.255+/-0.017 χ^2/NDF:1260051.6/6

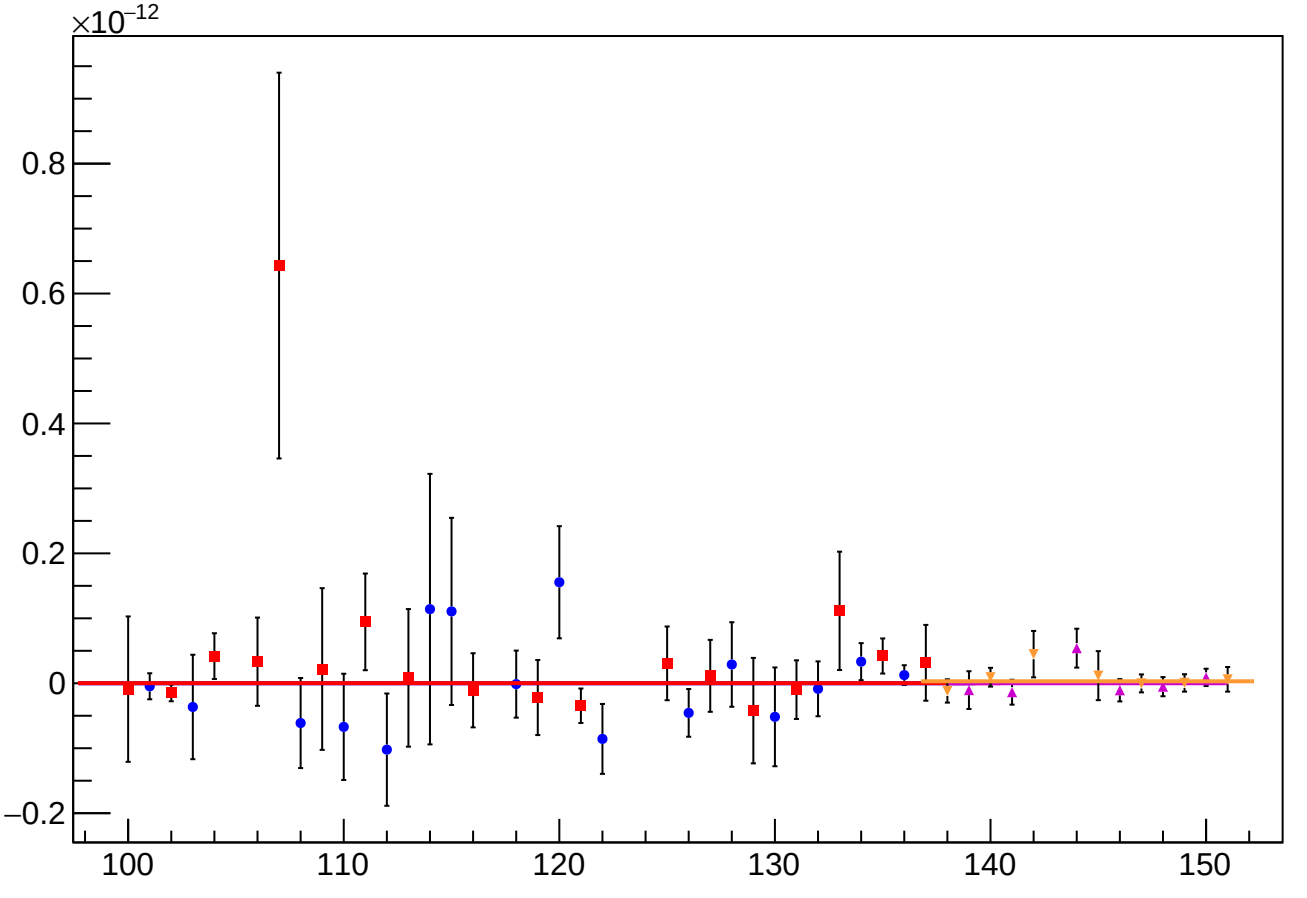
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 50.999+/-0.017 χ^2/NDF:771864.2/5

+ sign 50.810+/-0.012 χ^2/NDF: 3542786.9/22

All: 50.796+/-0.008 χ^2/NDF: 7366316.8/46

- sign 50.781+/-0.012 χ^2/NDF: 3823526.9/23



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.4/6

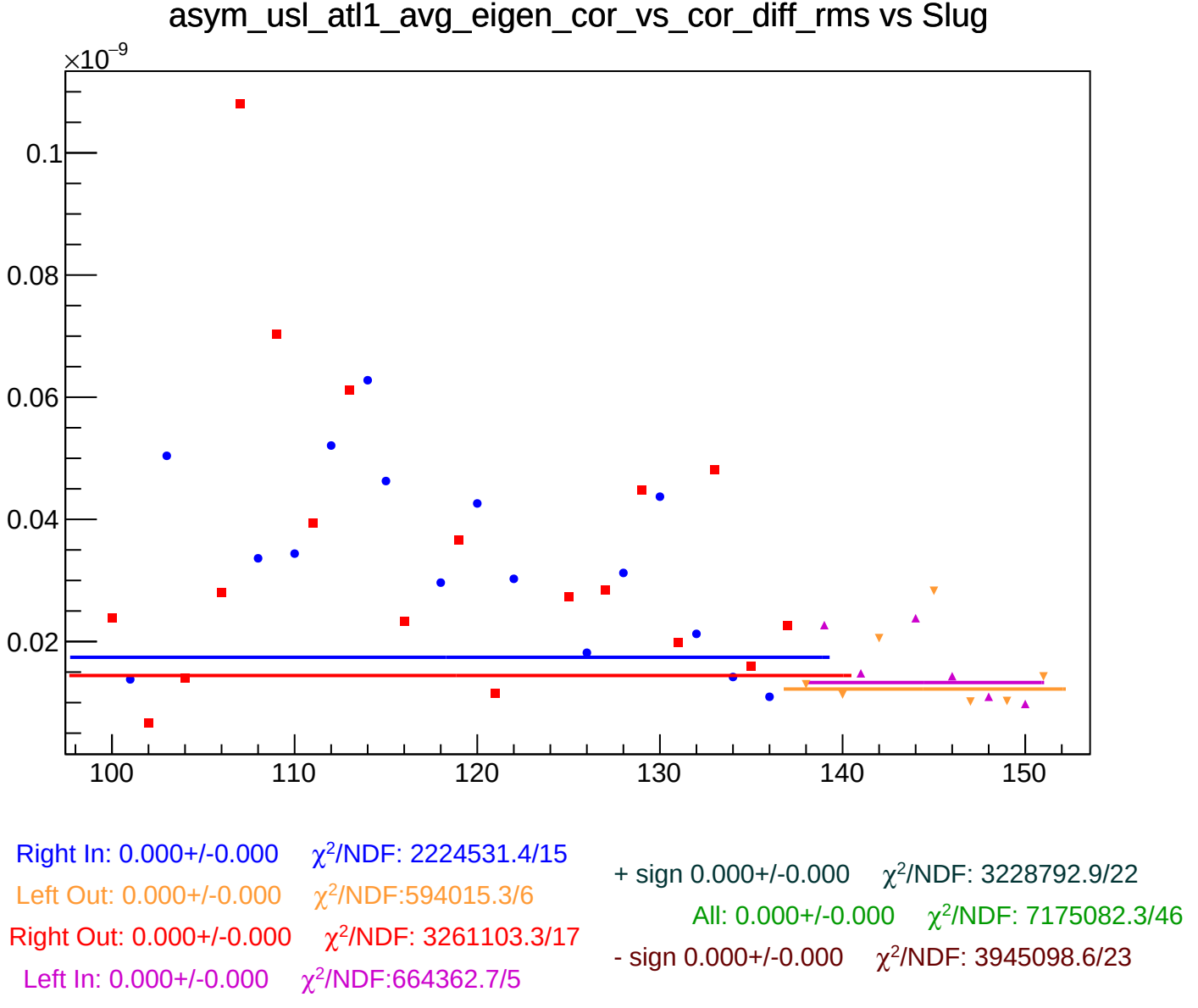
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: 0.000+/-0.000 χ^2/NDF:4.9/5

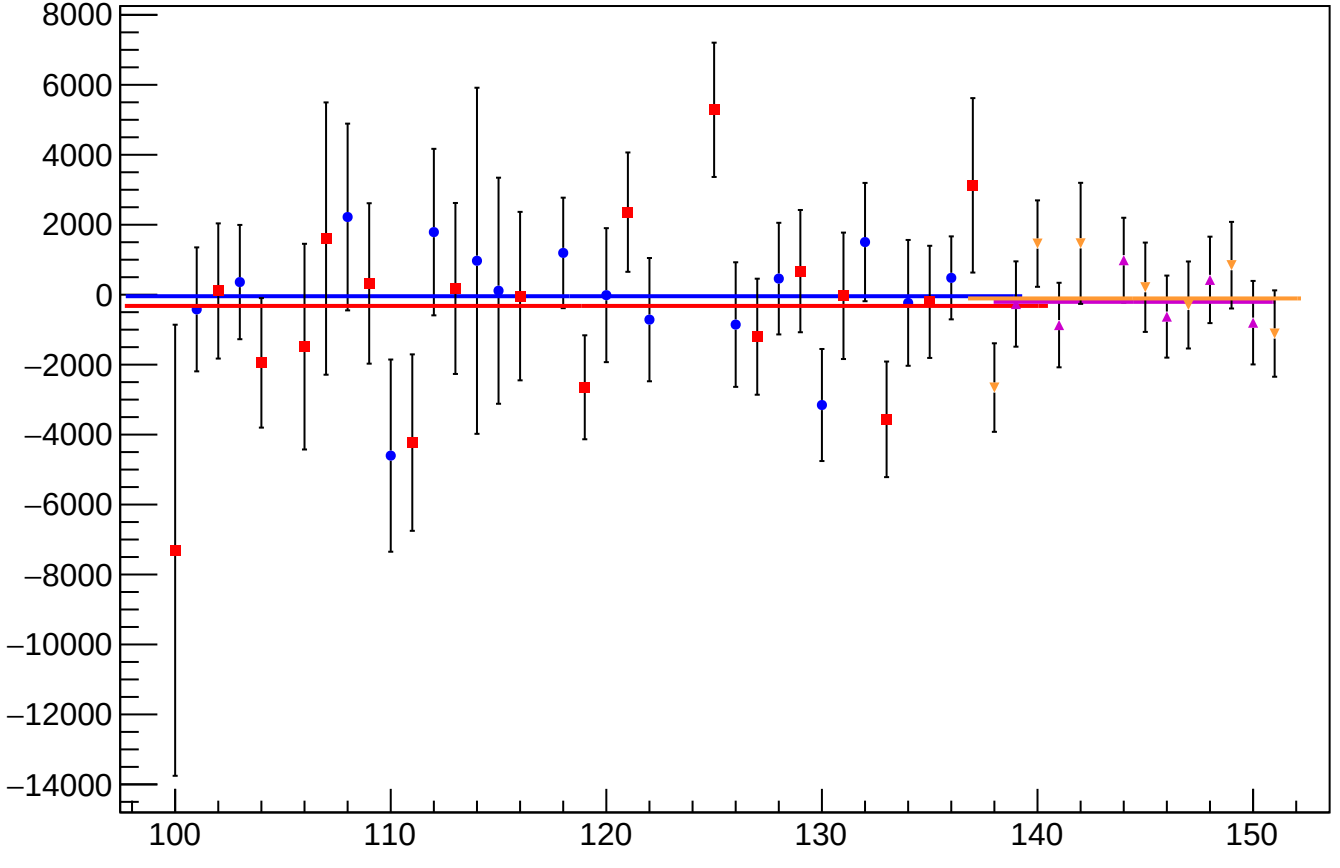
+ sign 0.000+/-0.000 χ^2/NDF: 16.6/22

All: 0.000+/-0.000 χ^2/NDF: 37.5/46

- sign 0.000+/-0.000 χ^2/NDF: 20.9/23


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
Right In: 0.000+/-0.000 χ²/NDF: 2224531.4/15
Left Out: 0.000+/-0.000 χ²/NDF:594015.3/6
Right Out: 0.000+/-0.000 χ²/NDF: 3261103.3/17
Left In: 0.000+/-0.000 χ²/NDF:664362.7/5
+ sign 0.000+/-0.000 χ²/NDF: 3228792.9/22
All: 0.000+/-0.000 χ²/NDF: 7175082.3/46
- sign 0.000+/-0.000 χ²/NDF: 3945098.6/23

reg_asym_usl_atl1_dd_mean vs Slug



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: -107.274+/-489.080 χ^2/NDF:7.8/6

Right Out: -321.266+/-474.939 χ^2/NDF: 24.8/17

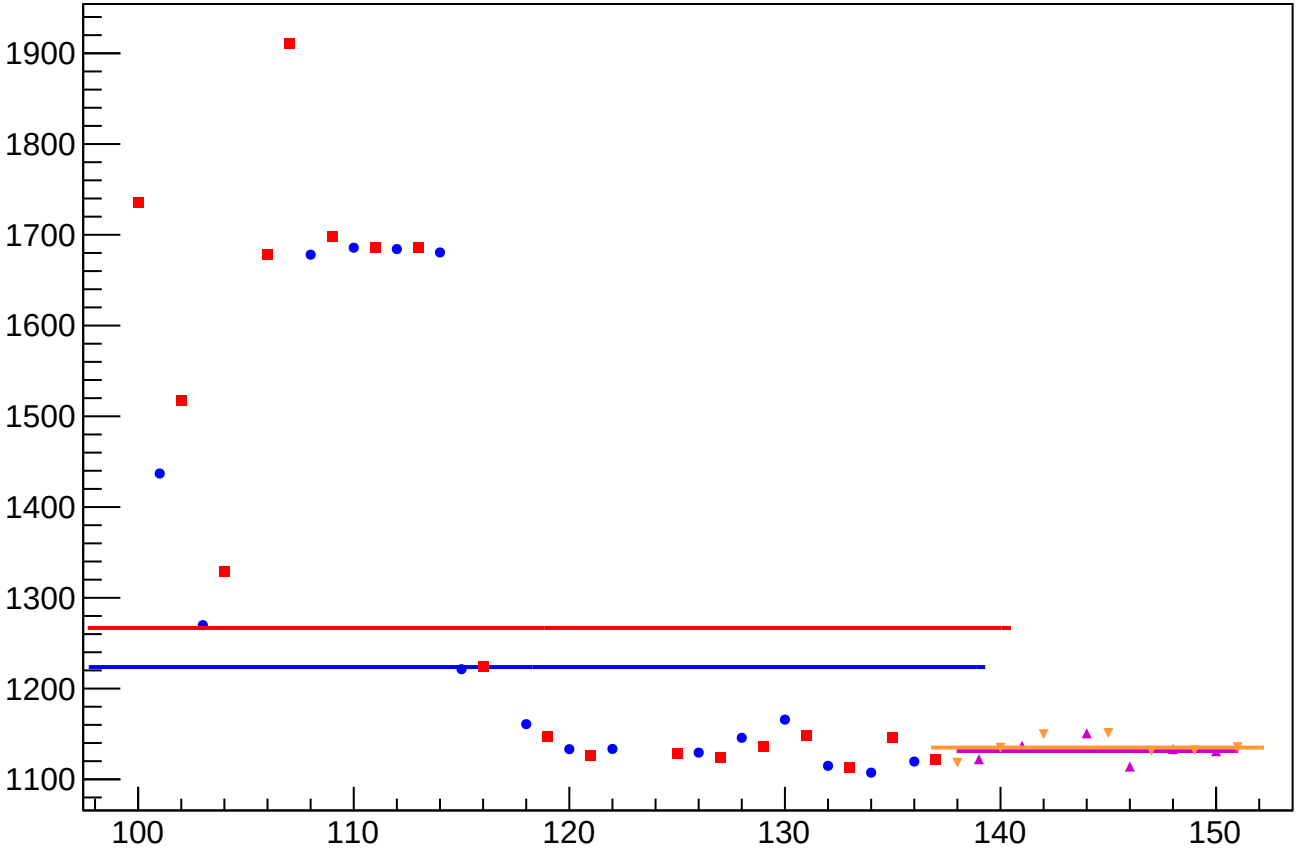
Left In: -204.483+/-492.658 χ^2/NDF:1.9/5

+ sign -73.477+/-334.777 χ^2/NDF: 17.9/22

All: -167.222+/-239.210 χ^2/NDF: 44.8/46

- sign -265.012+/-341.925 χ^2/NDF: 26.7/23

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1134.999+/-0.346 χ^2/NDF:837.3/6

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

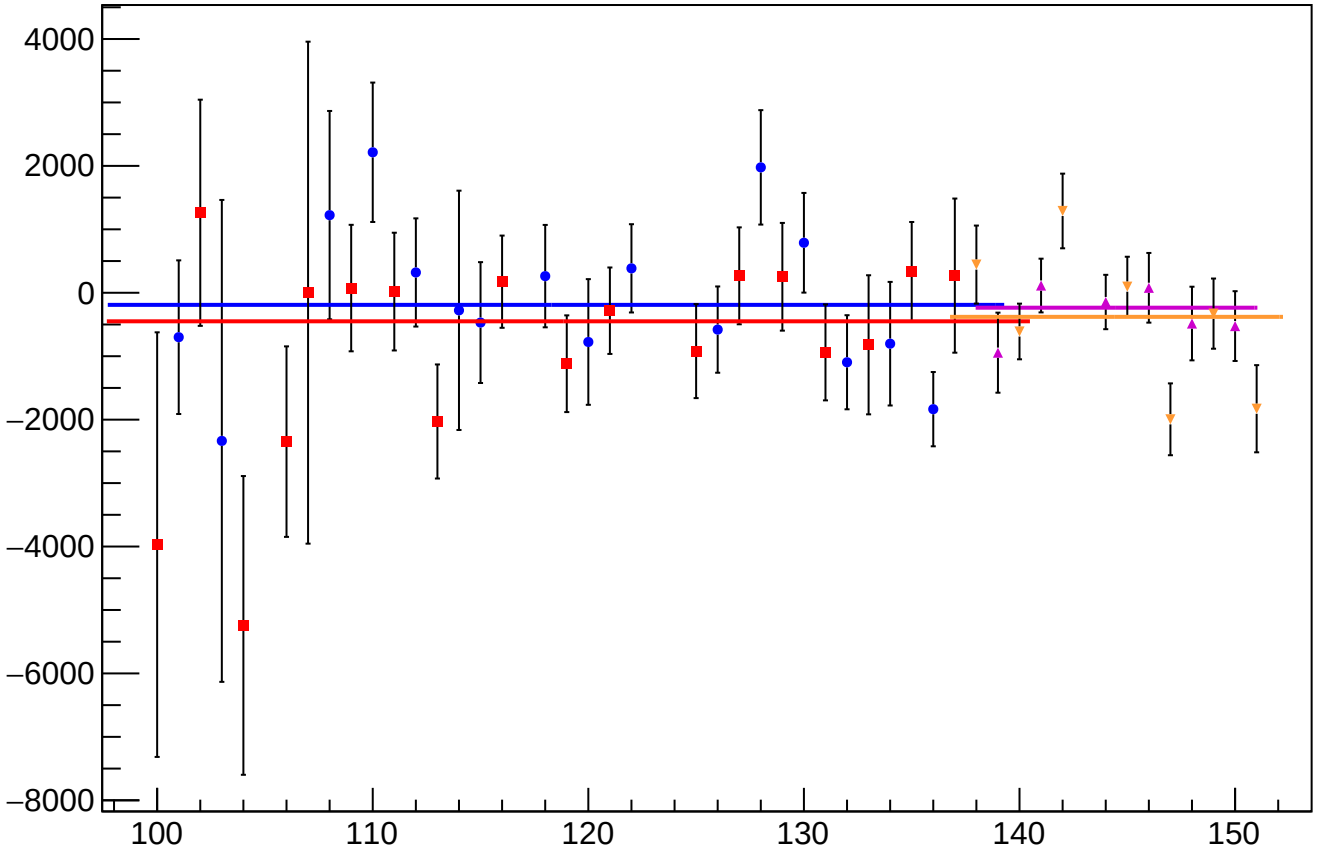
Left In: 1131.209+/-0.348 χ^2/NDF:1105.1/5

+ sign 1182.142+/-0.237 χ^2/NDF: 330769.5/22

All: 1191.605+/-0.169 χ^2/NDF: 846482.3/46

- sign 1201.476+/-0.242 χ^2/NDF: 512448.0/23

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: -379.580+/-205.294 χ^2/NDF:23.7/6

Right Out: -449.847+/-223.203 χ^2/NDF: 16.8/17

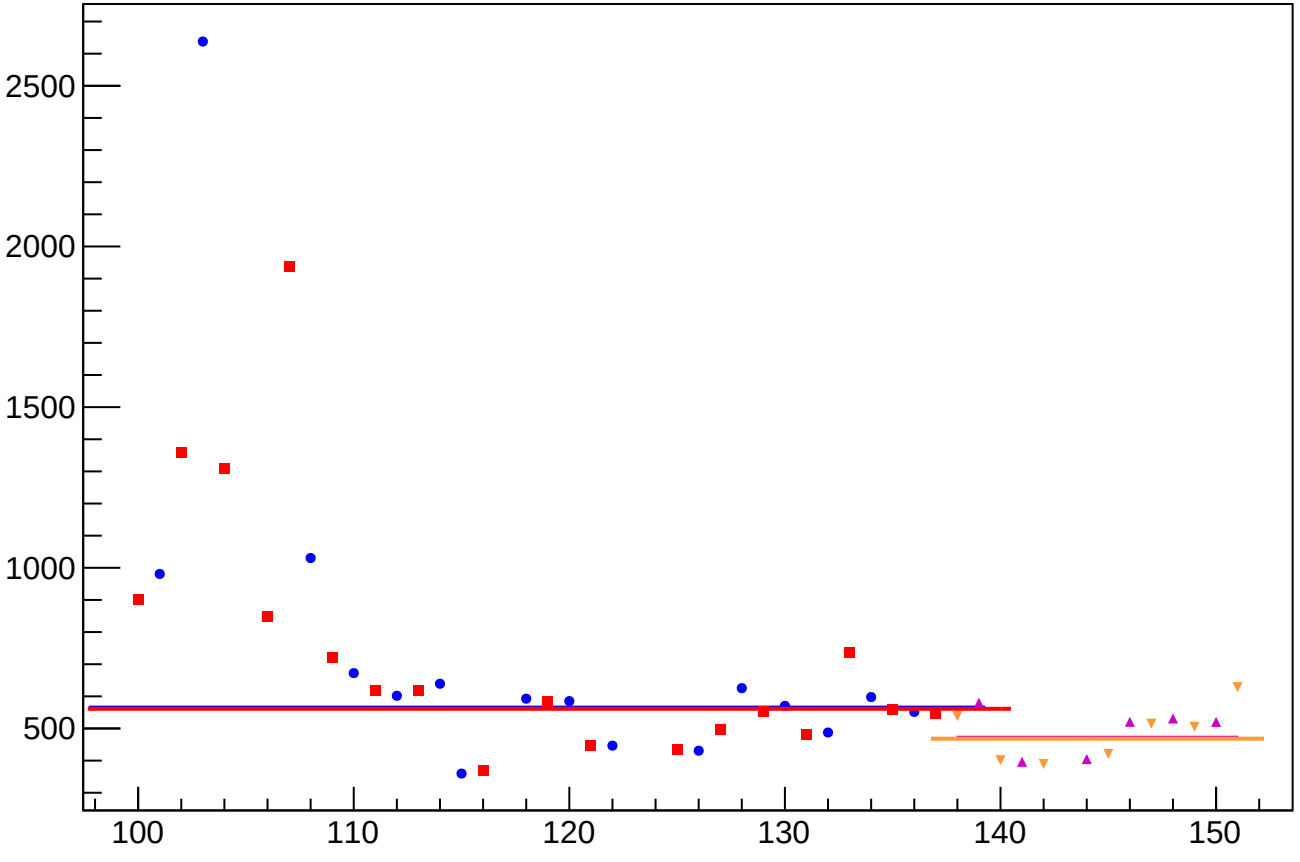
Left In: -235.371+/-207.930 χ^2/NDF:2.8/5

+ sign -292.850+/-150.996 χ^2/NDF: 49.4/22

All: -313.776+/-107.173 χ^2/NDF: 69.5/46

- sign -335.021+/-152.142 χ^2/NDF: 20.1/23

asym_usl_atl1_dd_reg_correction_rms vs Slug



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 468.329+/-0.145 χ^2/NDF:259586.8/6

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

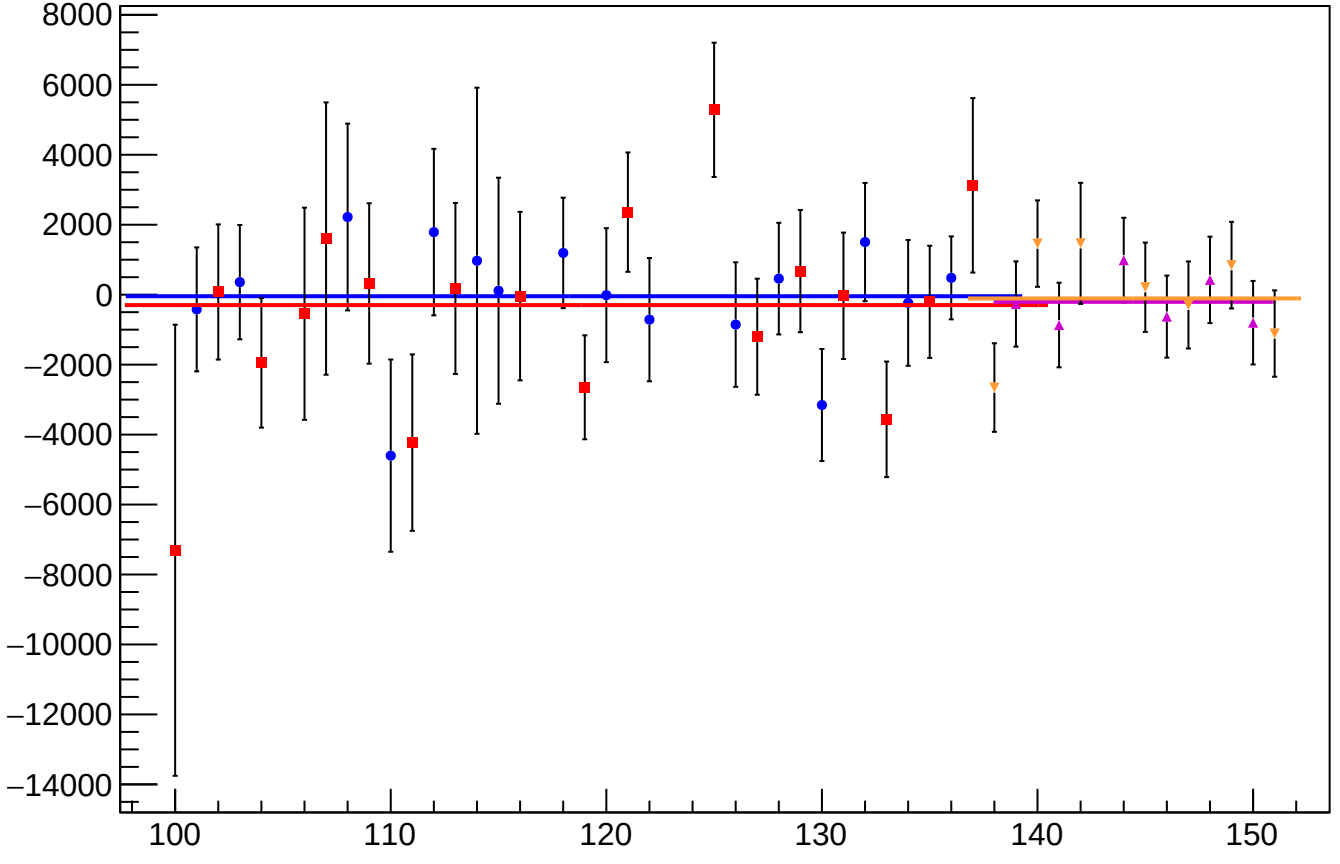
Left In: 471.216+/-0.147 χ^2/NDF:223828.1/5

+ sign 512.684+/-0.107 χ^2/NDF: 1747457.9/22

All: 512.863+/-0.076 χ^2/NDF: 3497726.5/46

- sign 513.045+/-0.108 χ^2/NDF: 1750263.0/23

cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -107.145+/-489.080 χ^2/NDF:7.8/6

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

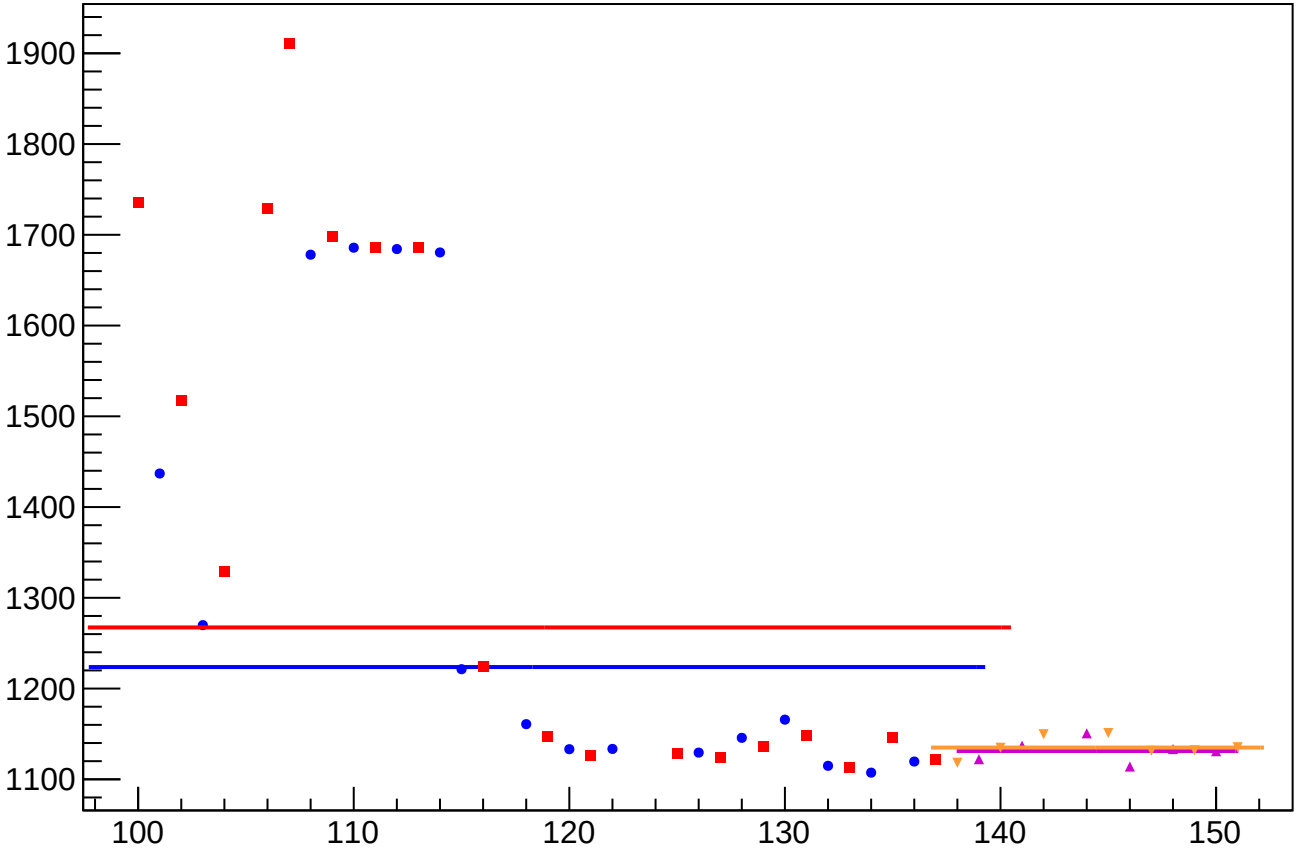
Left In: -204.409+/-492.658 χ^2/NDF:1.9/5

+ sign -73.545+/-334.777 χ^2/NDF: 17.9/22

All: -161.335+/-239.258 χ^2/NDF: 44.6/46

- sign -252.988+/-342.065 χ^2/NDF: 26.5/23

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1134.999+/-0.346 χ^2/NDF:837.3/6

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

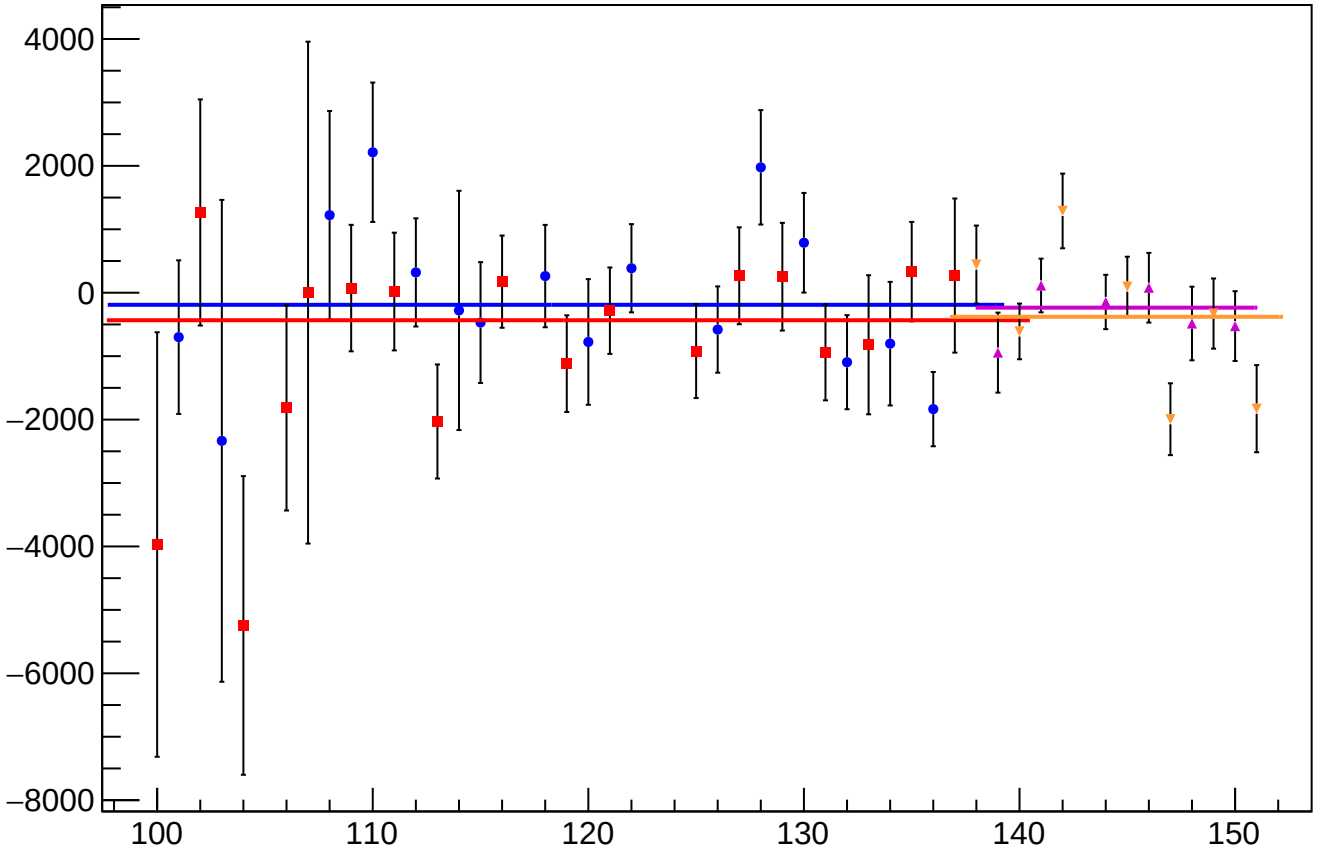
Left In: 1131.209+/-0.348 χ^2/NDF:1105.1/5

+ sign 1182.142+/-0.237 χ^2/NDF: 330769.6/22

All: 1191.723+/-0.169 χ^2/NDF: 854319.3/46

- sign 1201.725+/-0.242 χ^2/NDF: 520201.8/23

asym_usl_atl1_dd_cor_correction_mean vs Slug



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -379.561+/-205.293 χ^2/NDF:23.7/6

Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

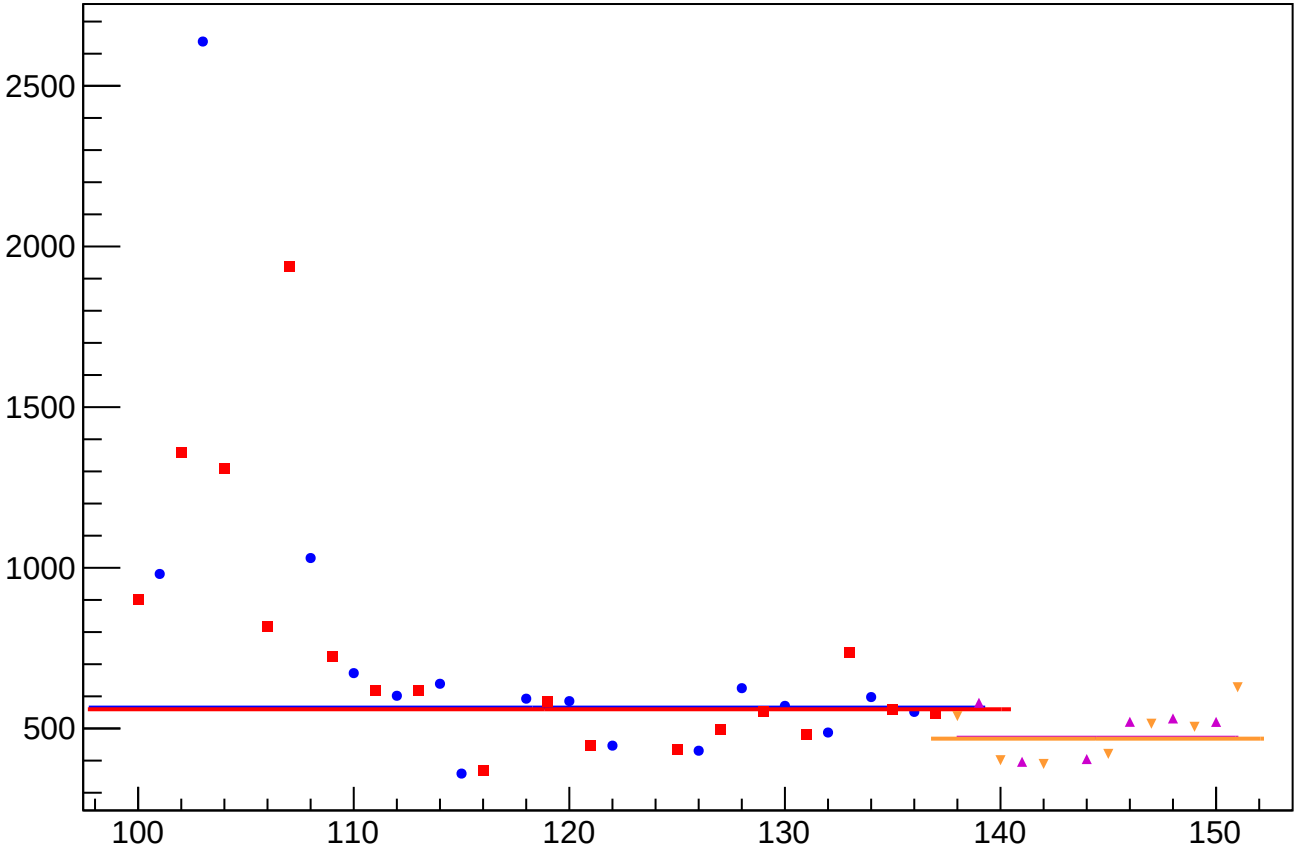
Left In: -235.389+/-207.931 χ^2/NDF:2.8/5

+ sign -292.845+/-150.995 χ^2/NDF: 49.4/22

All: -310.008+/-107.211 χ^2/NDF: 68.5/46

- sign -327.459+/-152.251 χ^2/NDF: 19.1/23

asym_usl_atl1_dd_cor_correction_rms vs Slug



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 468.327+/-0.145 χ^2/NDF:259554.8/6

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

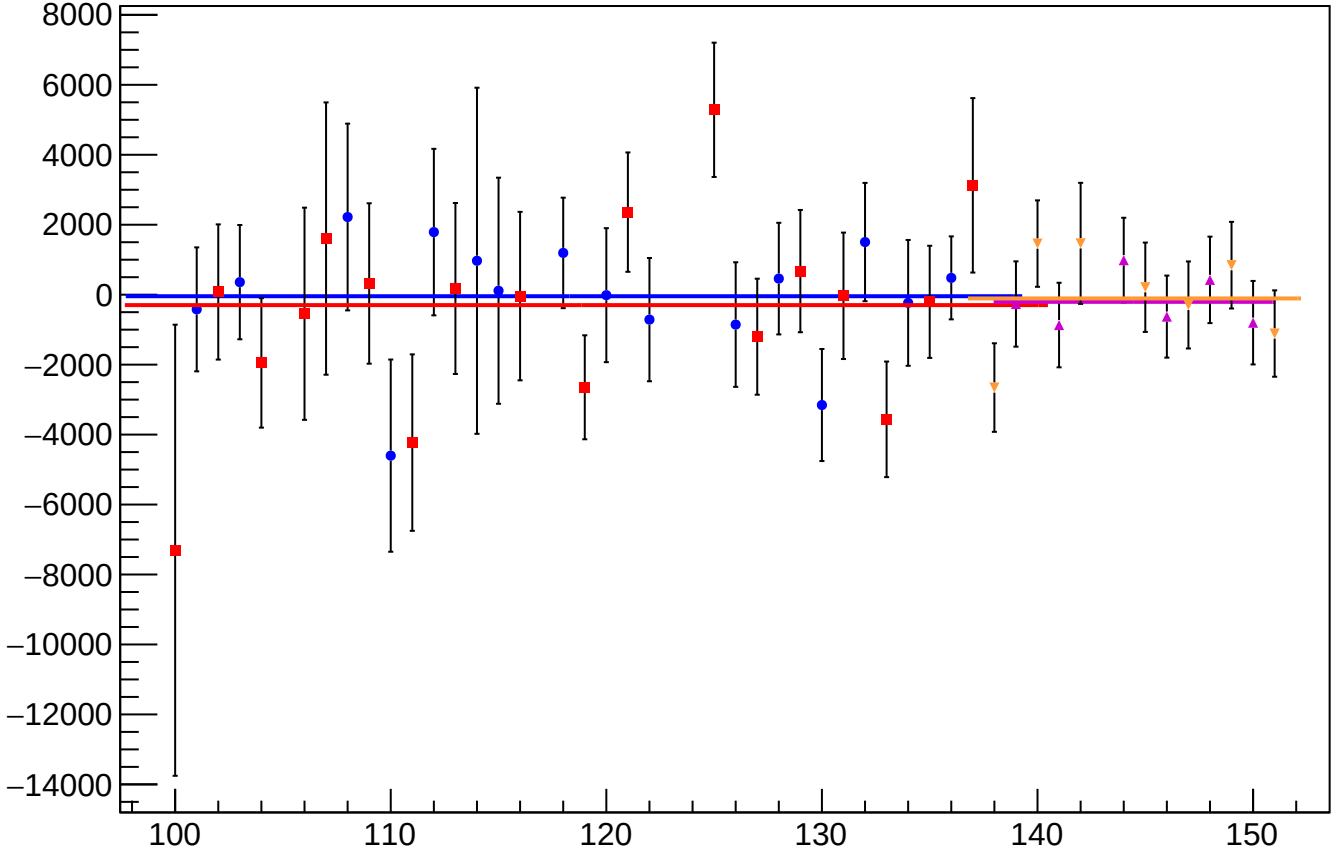
Left In: 471.219+/-0.147 χ^2/NDF:223826.9/5

+ sign 512.681+/-0.107 χ^2/NDF: 1747394.6/22

All: 512.486+/-0.076 χ^2/NDF: 3468792.5/46

- sign 512.288+/-0.108 χ^2/NDF: 1721391.2/23

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -107.145+/-489.080 χ^2/NDF:7.8/6

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

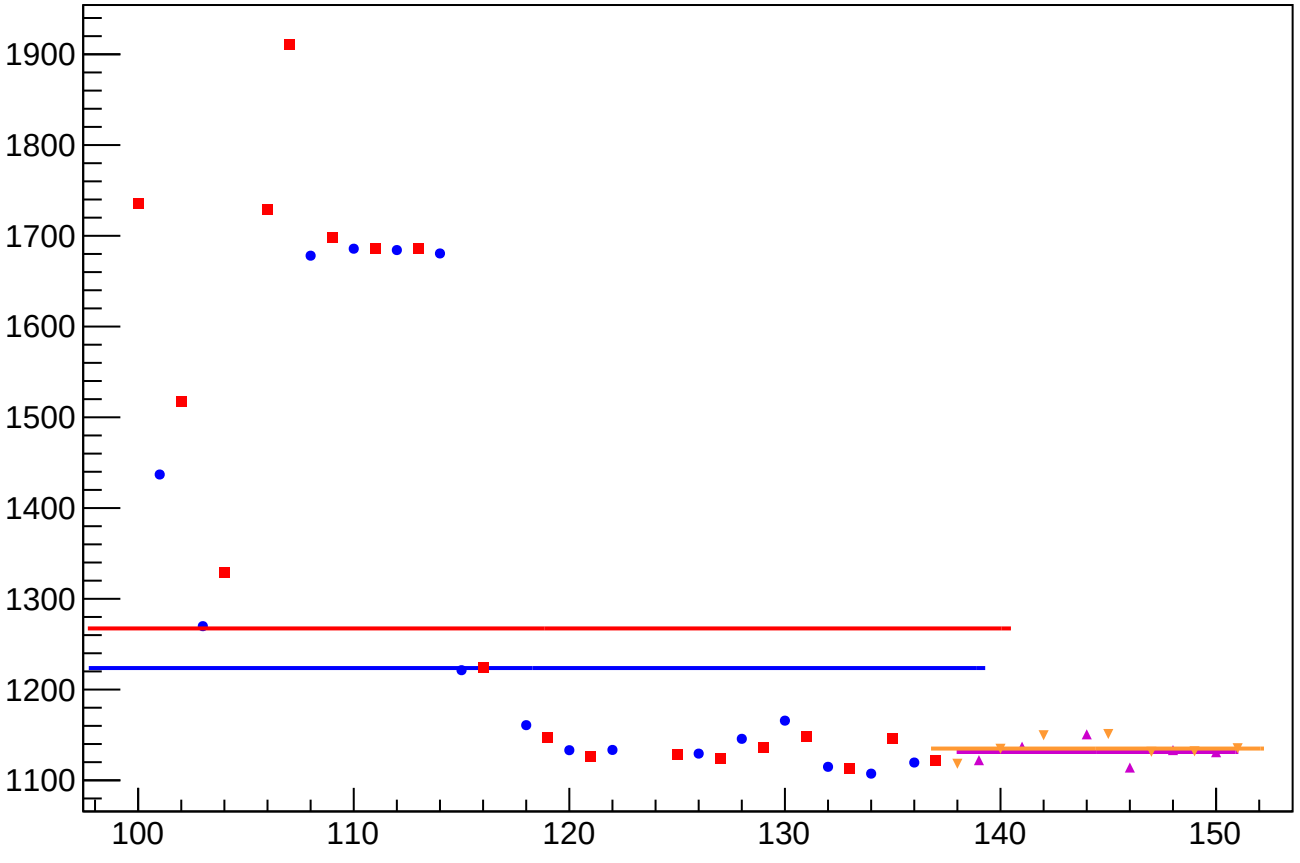
Left In: -204.409+/-492.658 χ^2/NDF:1.9/5

+ sign -73.545+/-334.777 χ^2/NDF: 17.9/22

All: -161.335+/-239.258 χ^2/NDF: 44.6/46

- sign -252.988+/-342.065 χ^2/NDF: 26.5/23

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1134.999+/-0.346 χ^2/NDF:837.3/6

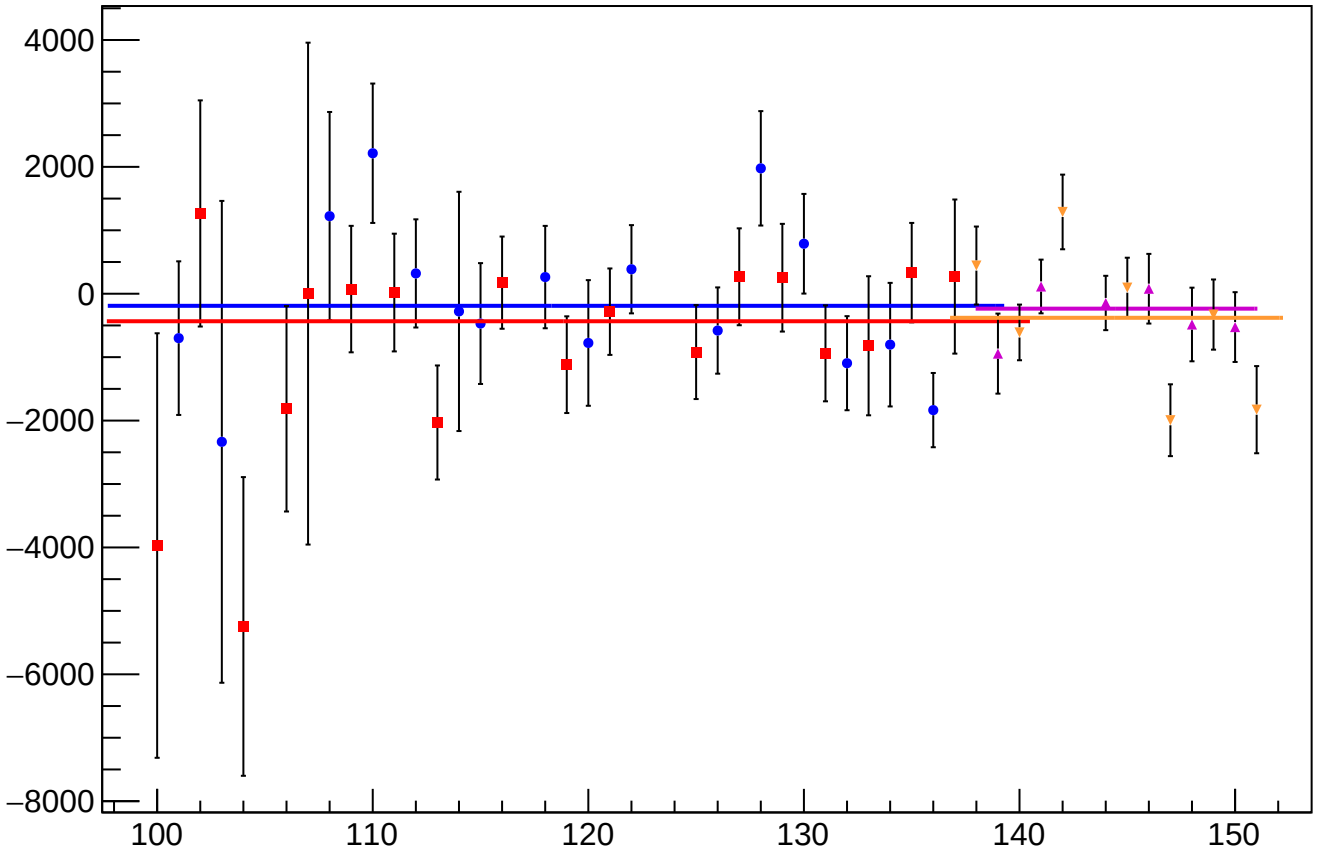
Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1131.209+/-0.348 χ^2/NDF:1105.1/5

+ sign 1182.142+/-0.237 χ^2/NDF: 330769.6/22

All: 1191.723+/-0.169 χ^2/NDF: 854319.3/46

- sign 1201.725+/-0.242 χ^2/NDF: 520201.8/23



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -379.561+/-205.293 χ^2/NDF:23.7/6

Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

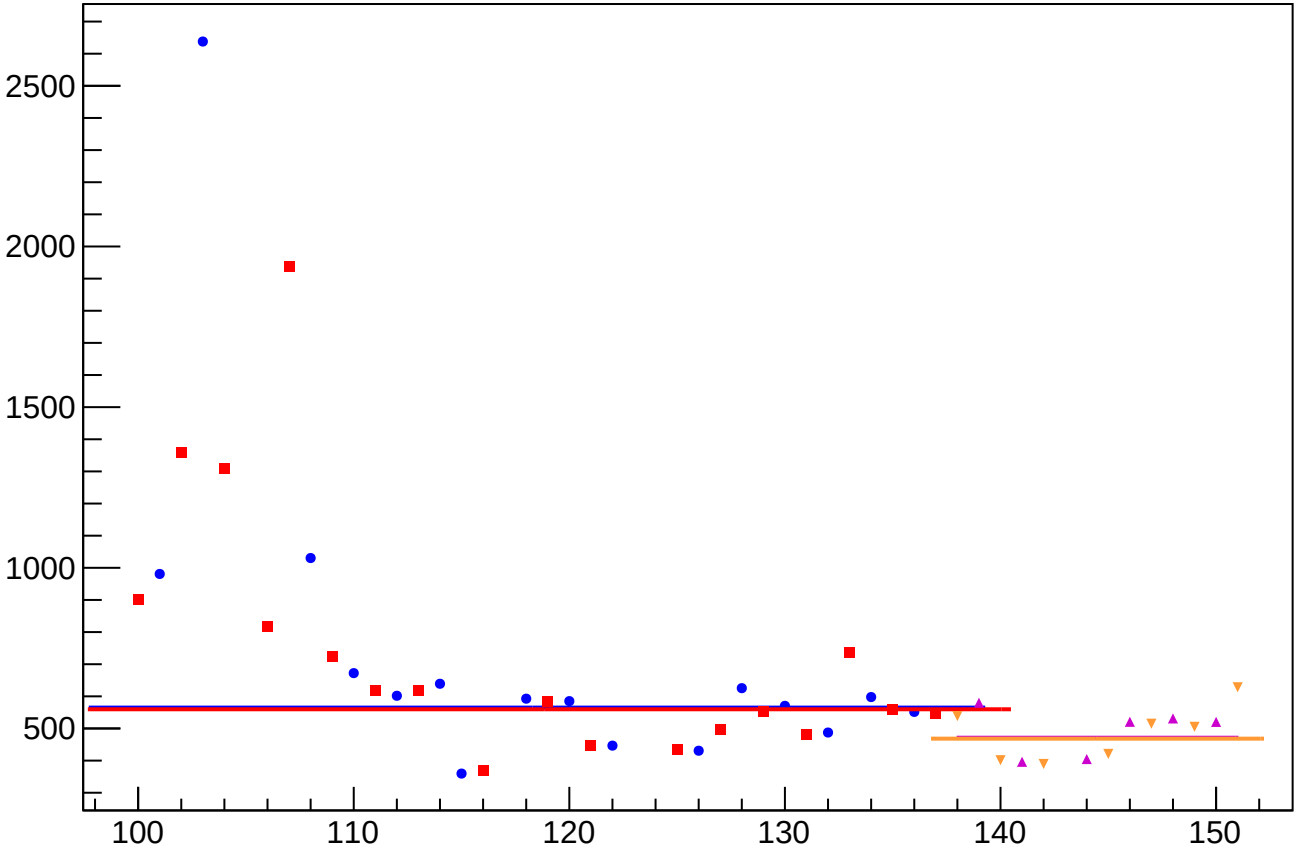
Left In: -235.389+/-207.931 χ^2/NDF:2.8/5

\+ sign -292.845+/-150.995 χ^2/NDF: 49.4/22

All: -310.008+/-107.211 χ^2/NDF: 68.5/46

\- sign -327.459+/-152.251 χ^2/NDF: 19.1/23

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 468.327+/-0.145 χ^2/NDF:259554.8/6

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

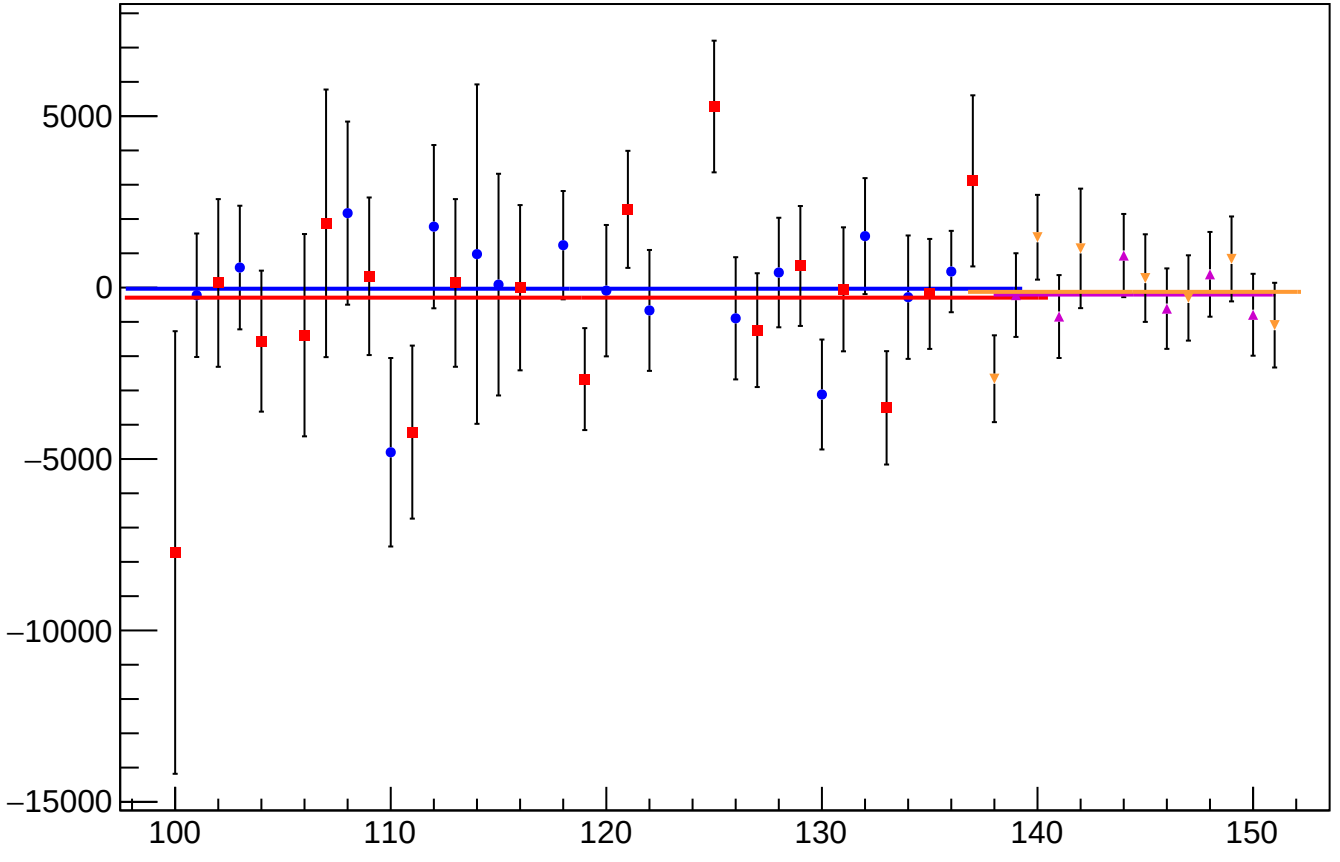
Left In: 471.219+/-0.147 χ^2/NDF:223826.9/5

+ sign 512.681+/-0.107 χ^2/NDF: 1747394.6/22

All: 512.486+/-0.076 χ^2/NDF: 3468792.5/46

- sign 512.288+/-0.108 χ^2/NDF: 1721391.2/23

dit_asym_usl_atl1_dd_mean vs Slug



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: -124.333+/-489.532 χ^2/NDF:7.5/6

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

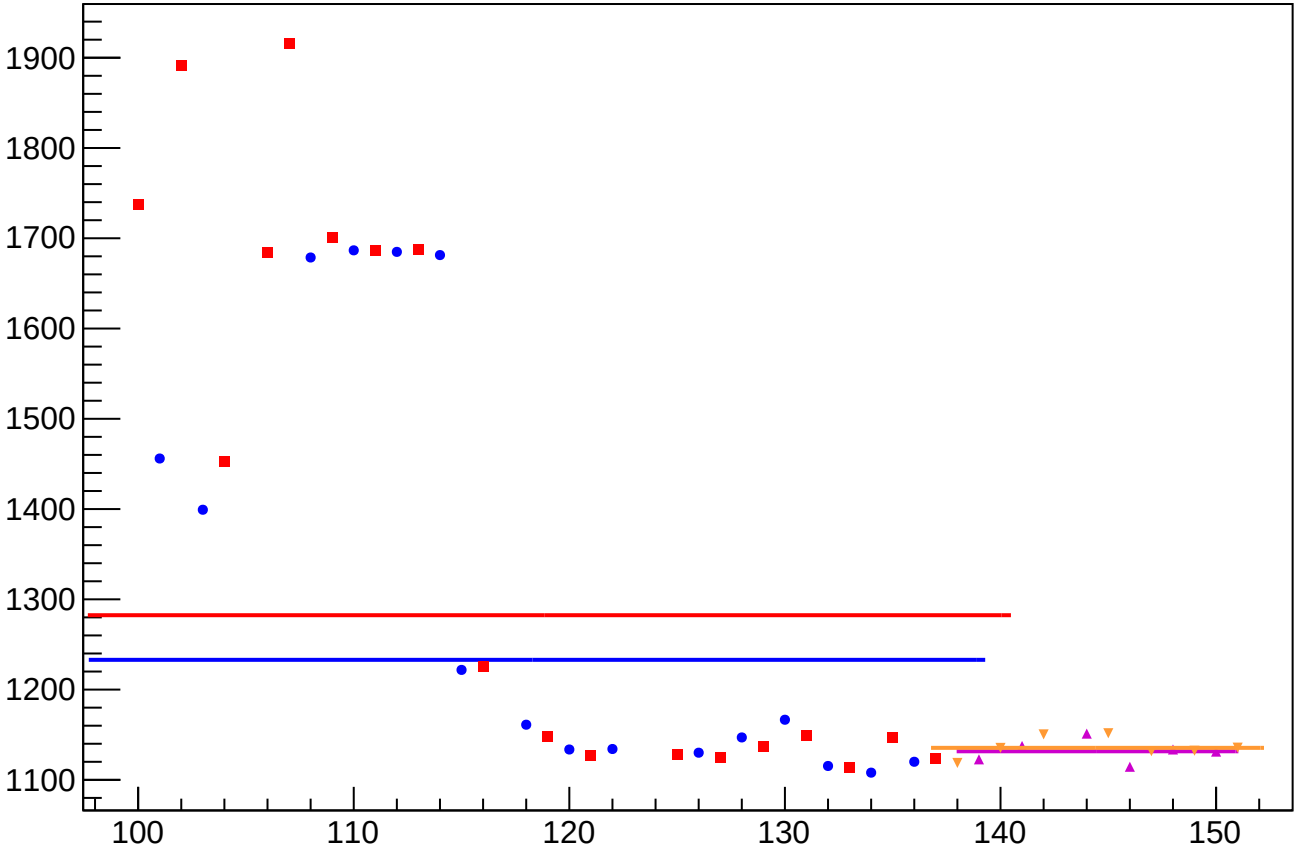
Left In: -203.531+/-492.849 χ^2/NDF:1.8/5

+ sign -76.178+/-336.462 χ^2/NDF: 17.8/22

All: -160.497+/-240.967 χ^2/NDF: 44.0/46

- sign -249.287+/-345.267 χ^2/NDF: 26.0/23

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1135.463+/-0.346 χ^2/NDF:846.4/6

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

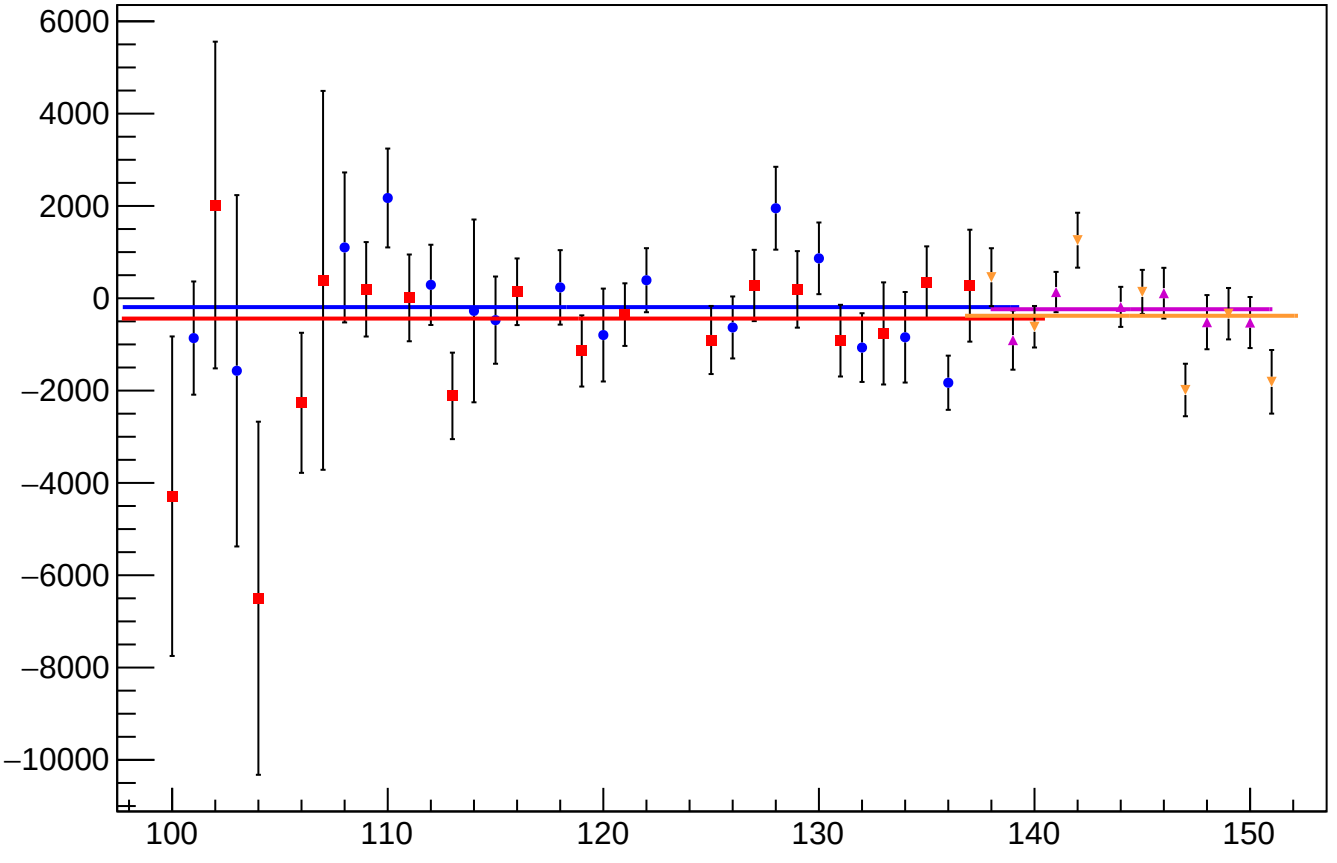
Left In: 1131.648+/-0.348 χ^2/NDF:1106.8/5

+ sign 1186.905+/-0.238 χ^2/NDF: 358176.8/22

All: 1197.384+/-0.170 χ^2/NDF: 1001967.0/46

- sign 1208.418+/-0.244 χ^2/NDF: 639807.6/23

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: -379.042+/-207.998 χ^2/NDF:23.1/6

Right Out: -439.610+/-226.600 χ^2/NDF: 14.6/17

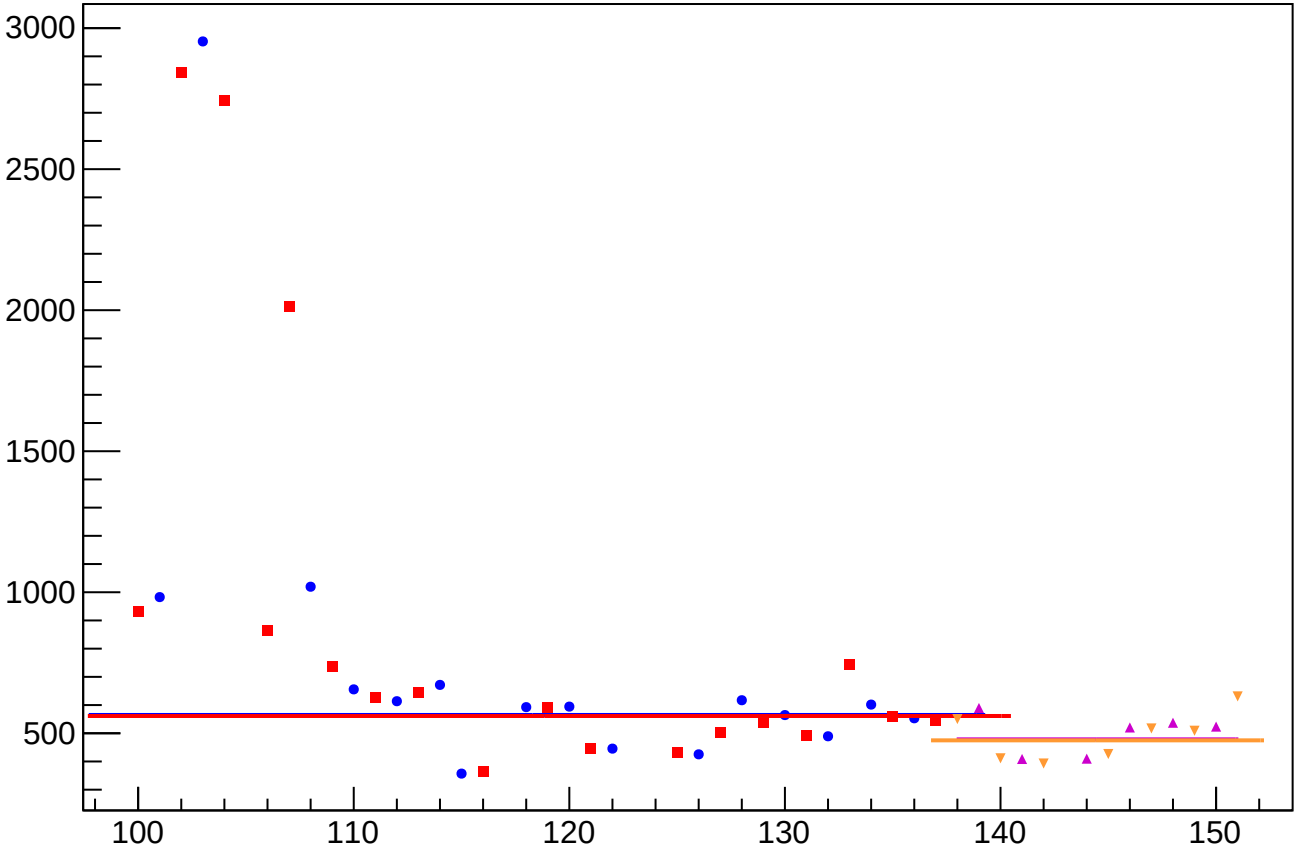
Left In: -237.125+/-210.861 χ^2/NDF:2.7/5

+ sign -291.705+/-152.029 χ^2/NDF: 48.8/22

All: -311.098+/-108.318 χ^2/NDF: 66.6/46

- sign -331.092+/-154.366 χ^2/NDF: 17.8/23

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 564.871+/-0.158 χ^2/NDF: 1480375.5/15

Left Out: 474.917+/-0.147 χ^2/NDF:248396.3/6

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

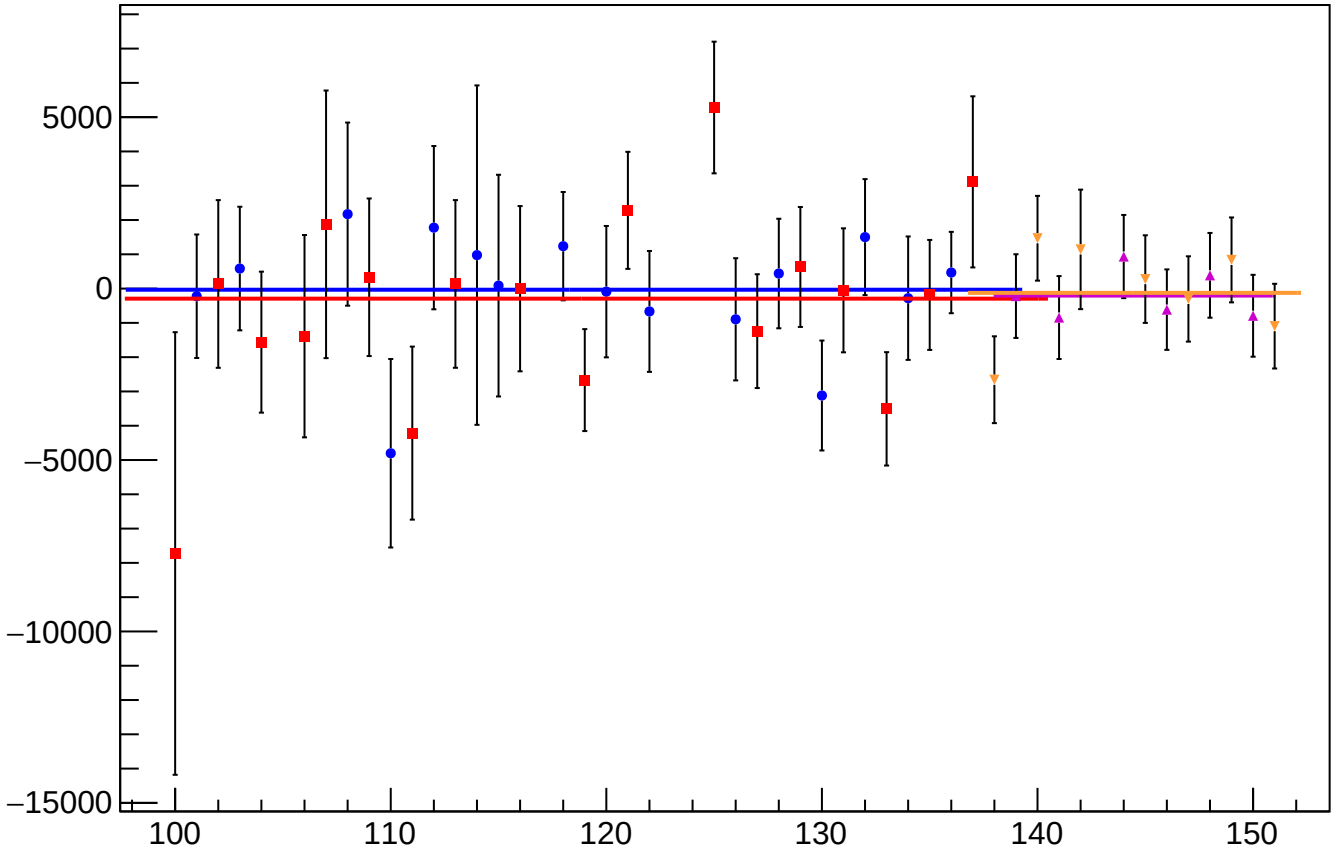
Left In: 478.466+/-0.149 χ^2/NDF:206036.0/5

+ sign 516.814+/-0.108 χ^2/NDF: 1902996.6/22

All: 516.854+/-0.077 χ^2/NDF: 4525543.3/46

- sign 516.894+/-0.109 χ^2/NDF: 2622546.5/23

eigen_dit_asym_usl_atl1_dd_mean vs Slug



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: -124.335+/-489.532 χ^2/NDF:7.5/6

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

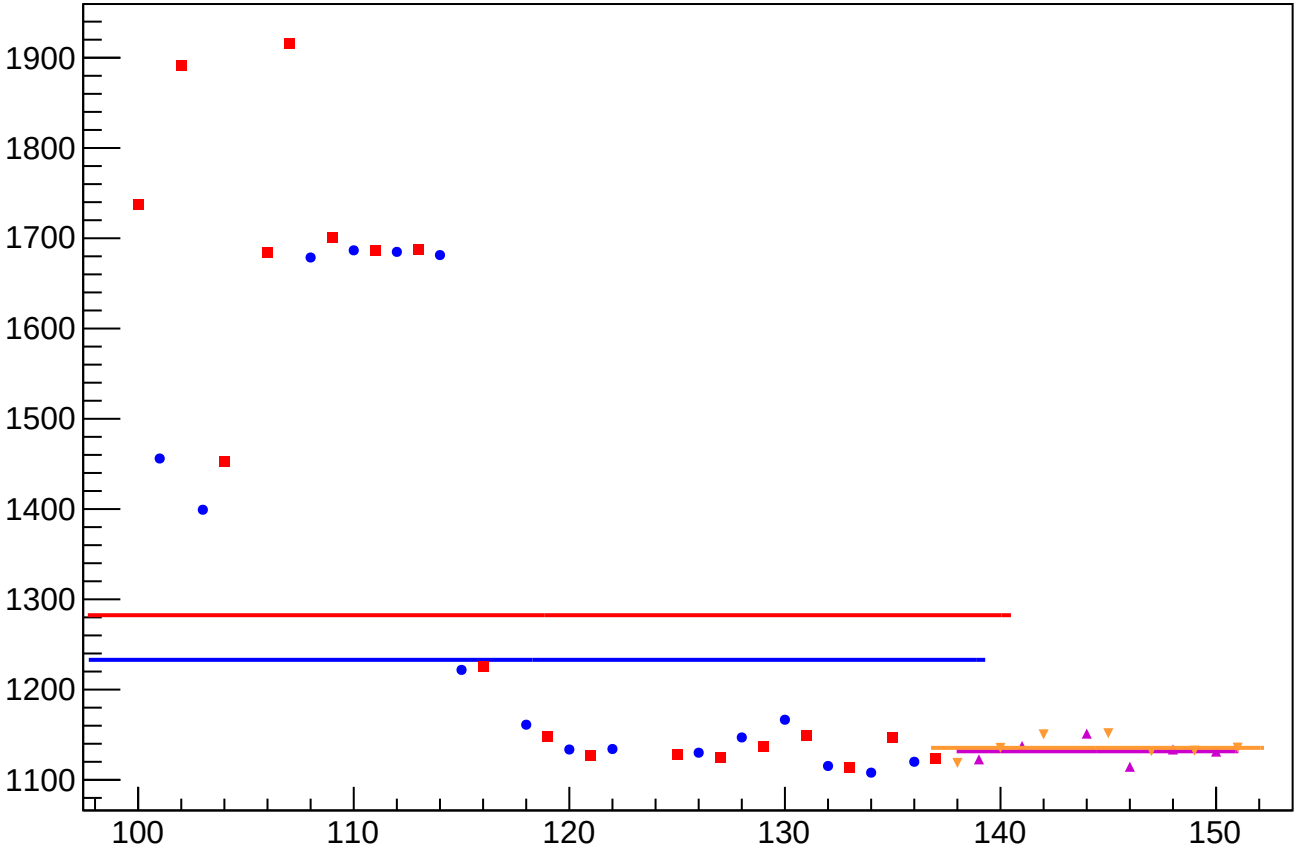
Left In: -203.532+/-492.849 χ^2/NDF:1.8/5

+ sign -76.179+/-336.462 χ^2/NDF: 17.8/22

All: -160.498+/-240.967 χ^2/NDF: 44.0/46

- sign -249.287+/-345.267 χ^2/NDF: 26.0/23

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1135.463+/-0.346 χ^2/NDF:846.4/6

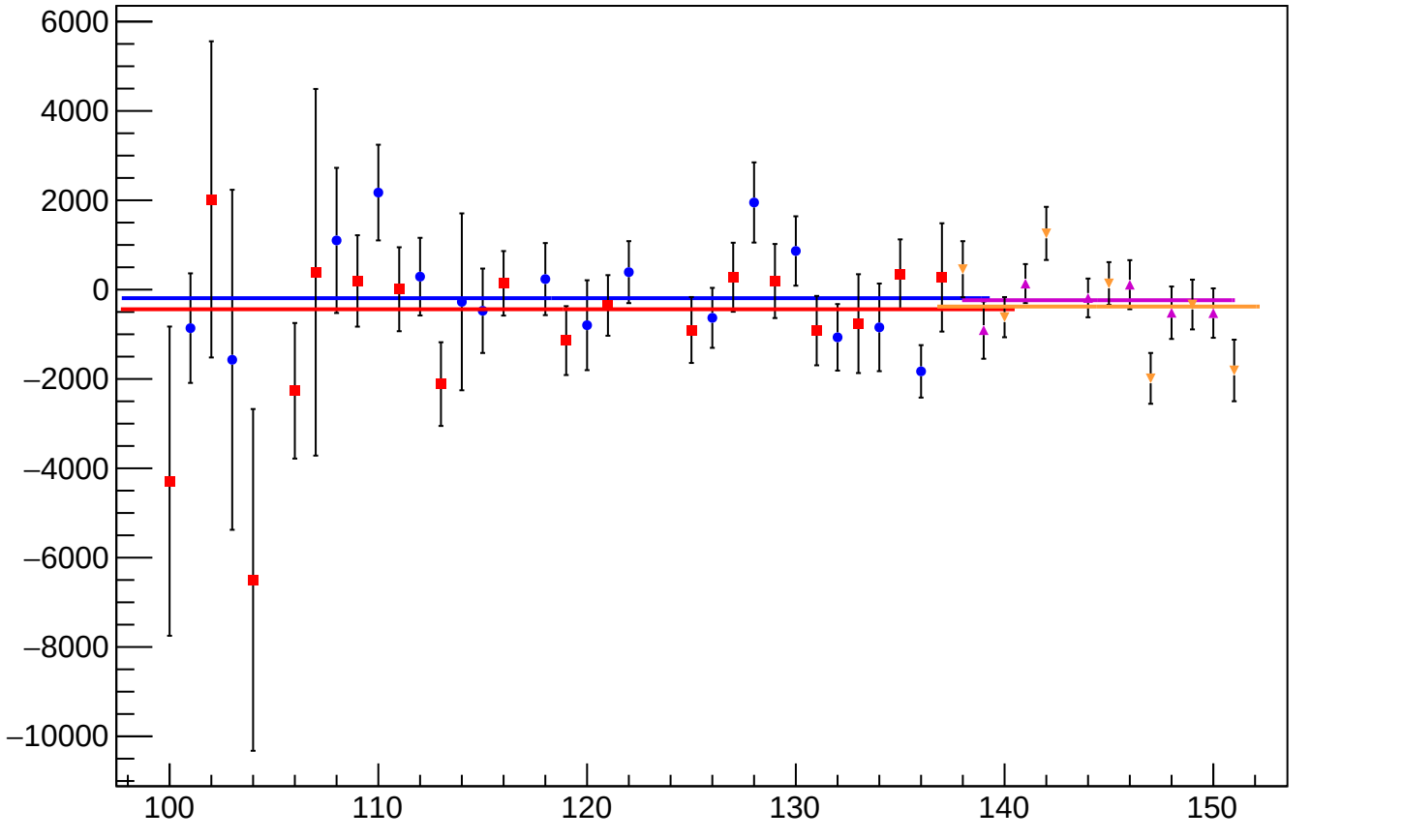
Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

Left In: 1131.648+/-0.348 χ^2/NDF:1106.8/5

+ sign 1186.905+/-0.238 χ^2/NDF: 358176.3/22

All: 1197.384+/-0.170 χ^2/NDF: 1001965.9/46

- sign 1208.418+/-0.244 χ^2/NDF: 639806.9/23



Right In: -191.527+/-222.763 χ^2/NDF: 25.3/15

Left Out: -379.040+/-207.998 χ^2/NDF:23.1/6

Right Out: -439.611+/-226.600 χ^2/NDF: 14.6/17

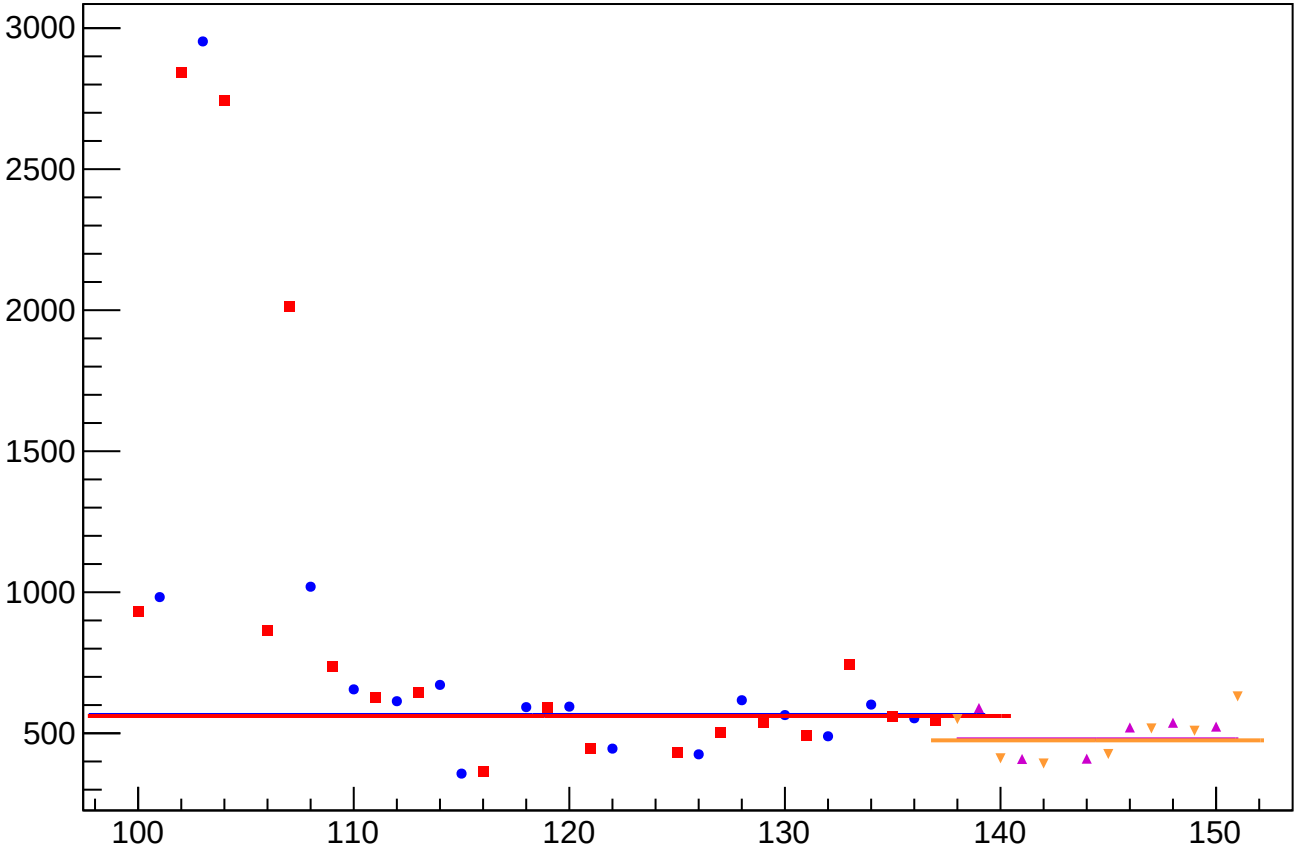
Left In: -237.124+/-210.861 χ^2/NDF:2.7/5

+ sign -291.704+/-152.029 χ^2/NDF: 48.8/22

All: -311.097+/-108.317 χ^2/NDF: 66.6/46

- sign -331.092+/-154.366 χ^2/NDF: 17.8/23

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



Right In: 564.871+/-0.158 χ^2/NDF: 1480372.9/15

Left Out: 474.916+/-0.147 χ^2/NDF:248406.5/6

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

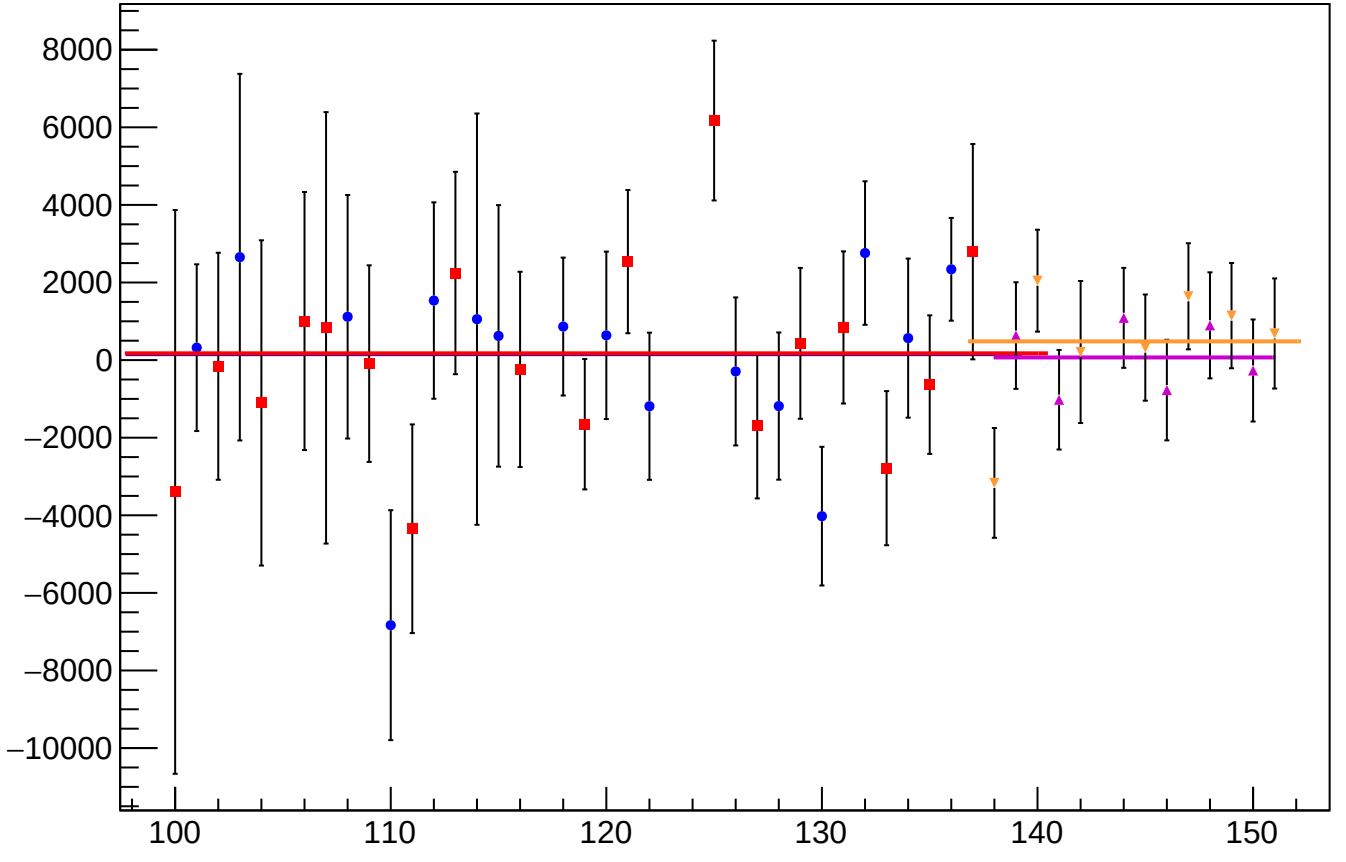
Left In: 478.465+/-0.149 χ^2/NDF:206044.0/5

+ sign 516.814+/-0.108 χ^2/NDF: 1903008.1/22

All: 516.853+/-0.077 χ^2/NDF: 4525565.7/46

- sign 516.894+/-0.109 χ^2/NDF: 2622557.2/23

asym_usl_atl1_dd_mean vs Slug



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: 482.744+/-535.596 χ^2/NDF:9.1/6

Right Out: 174.319+/-550.153 χ^2/NDF: 19.7/17

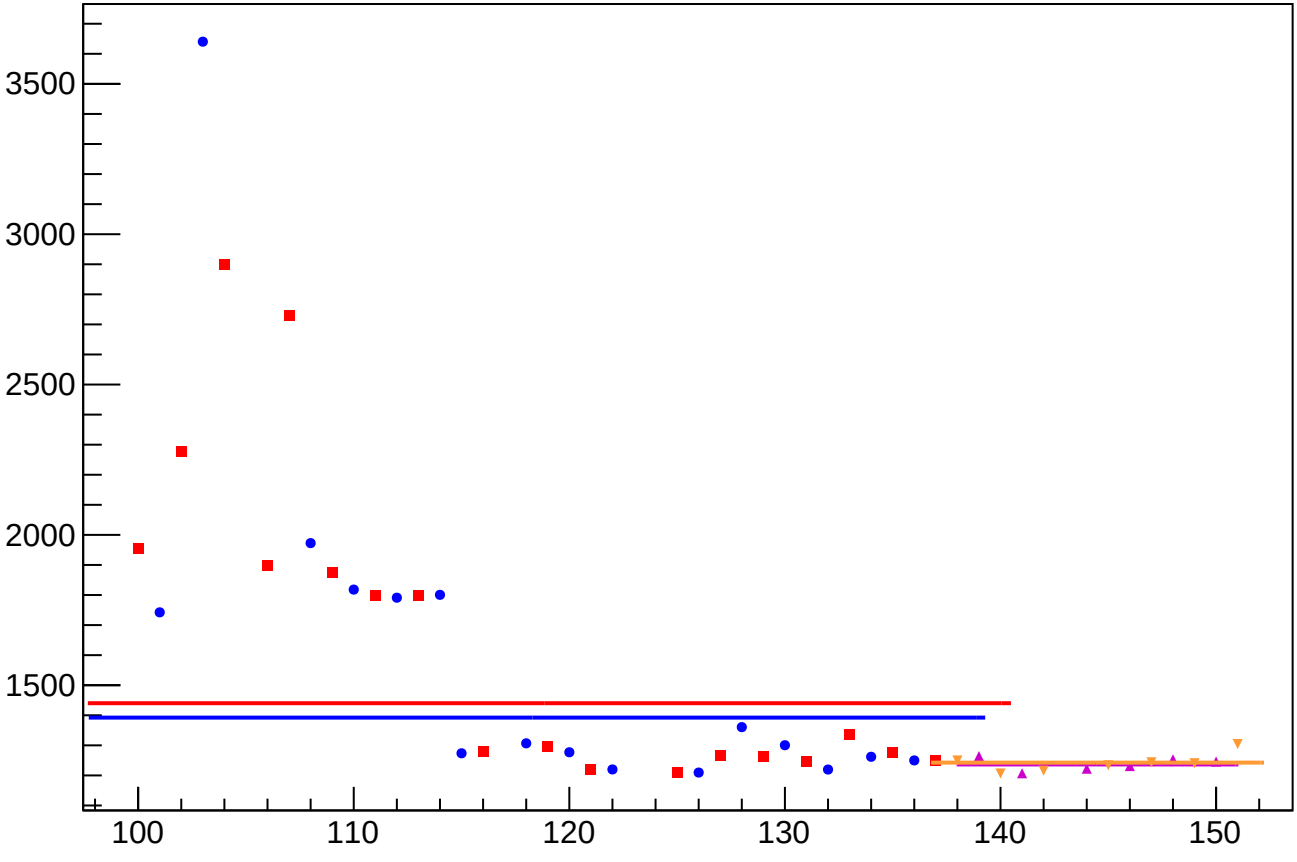
Left In: 68.234+/-538.563 χ^2/NDF:2.4/5

\+ sign 316.980+/-377.480 χ^2/NDF: 27.0/22

All: 220.467+/-269.488 χ^2/NDF: 49.2/46

\- sign 120.147+/-384.854 χ^2/NDF: 22.1/23

asym_usl_atl1_dd_rms vs Slug



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1242.560+/-0.379 χ^2/NDF:5885.4/6

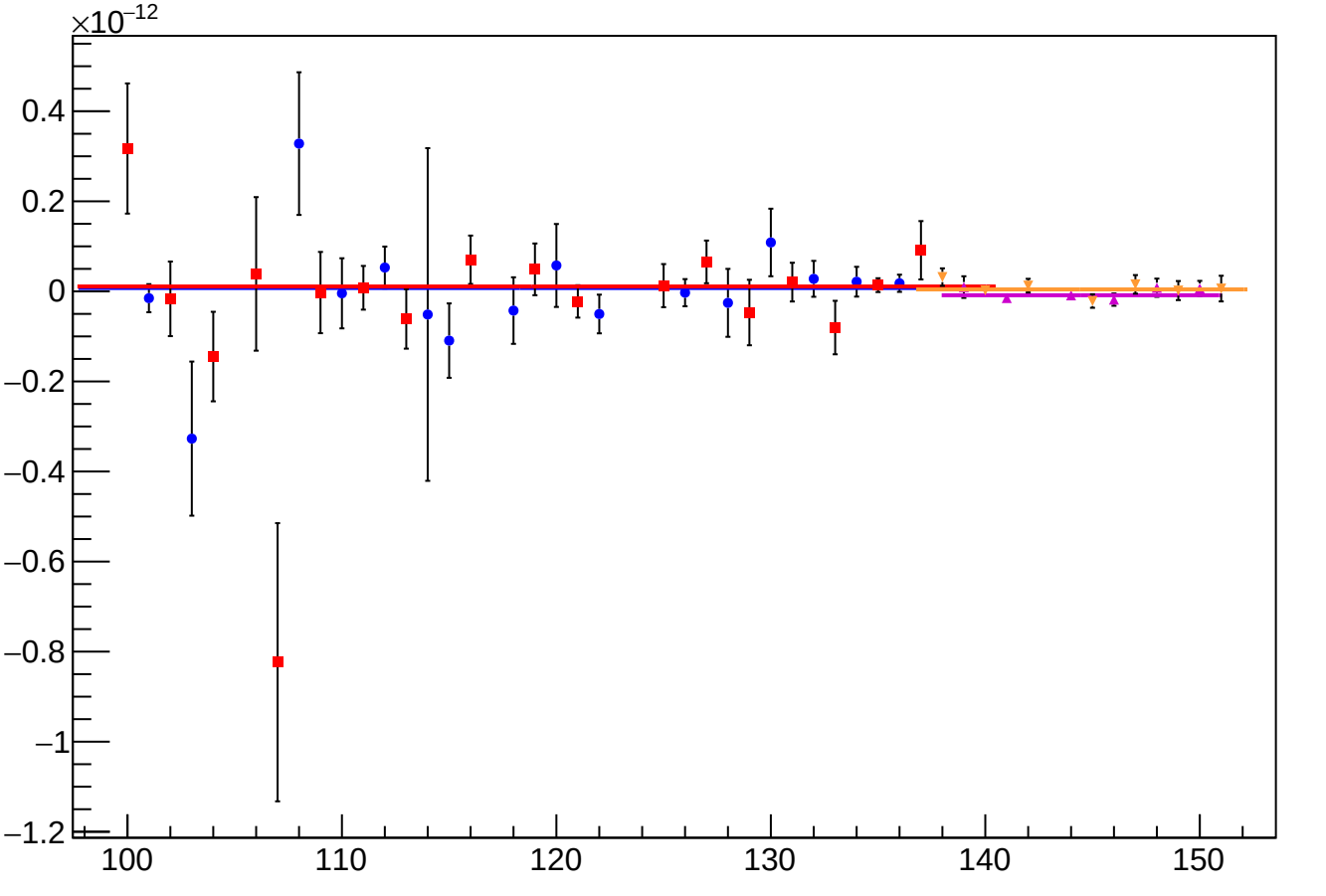
Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1236.486+/-0.381 χ^2/NDF:2547.6/5

+ sign 1317.920+/-0.267 χ^2/NDF: 863800.4/22

All: 1326.876+/-0.191 χ^2/NDF: 1863590.8/46

- sign 1336.186+/-0.272 χ^2/NDF: 997494.4/23



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.6/6

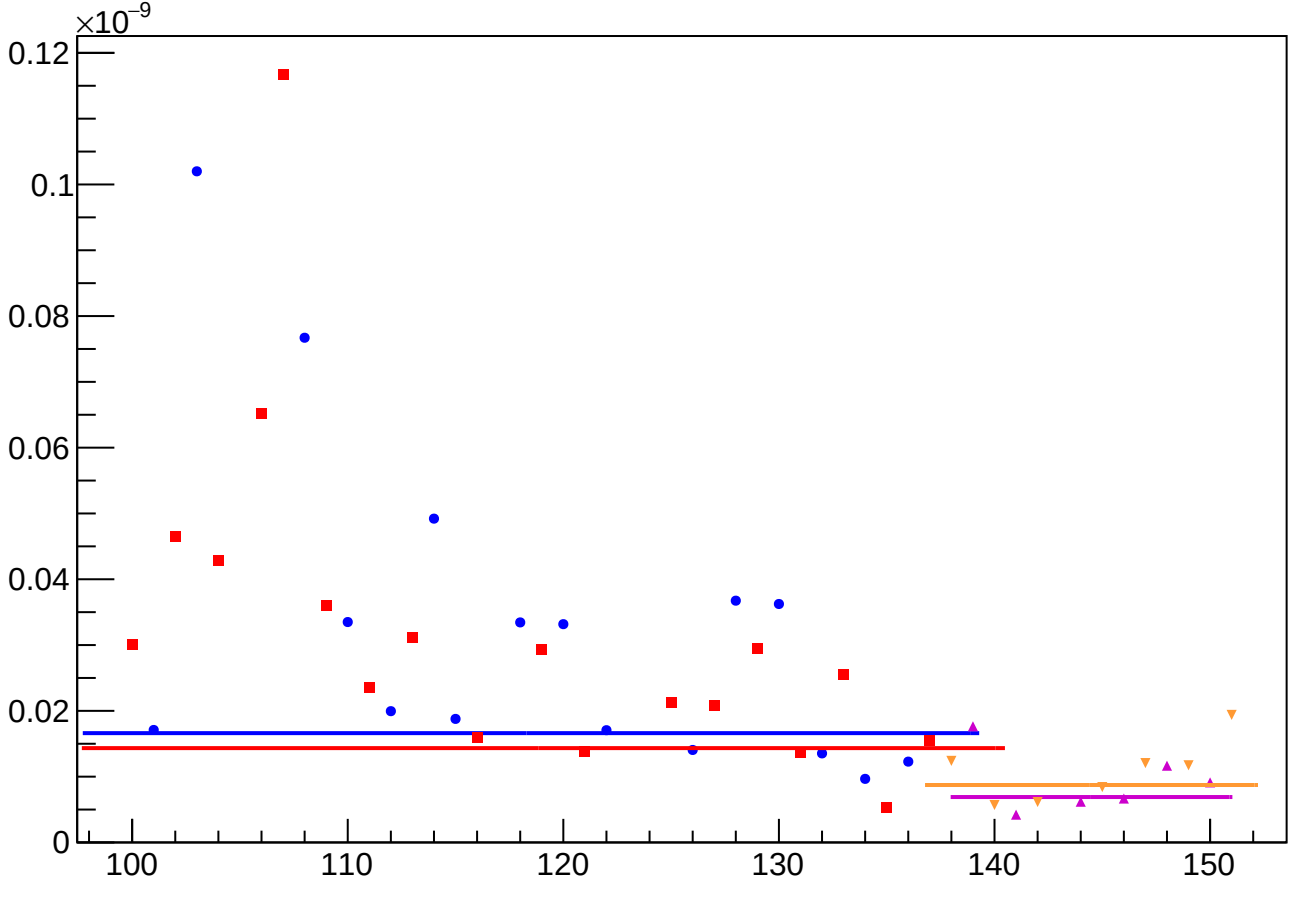
Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/17

Left In: -0.000+/-0.000 χ^2/NDF:3.0/5

+ sign 0.000+/-0.000 χ^2/NDF: 22.5/22

All: -0.000+/-0.000 χ^2/NDF: 53.9/46

- sign -0.000+/-0.000 χ^2/NDF: 29.7/23



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:651343.6/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

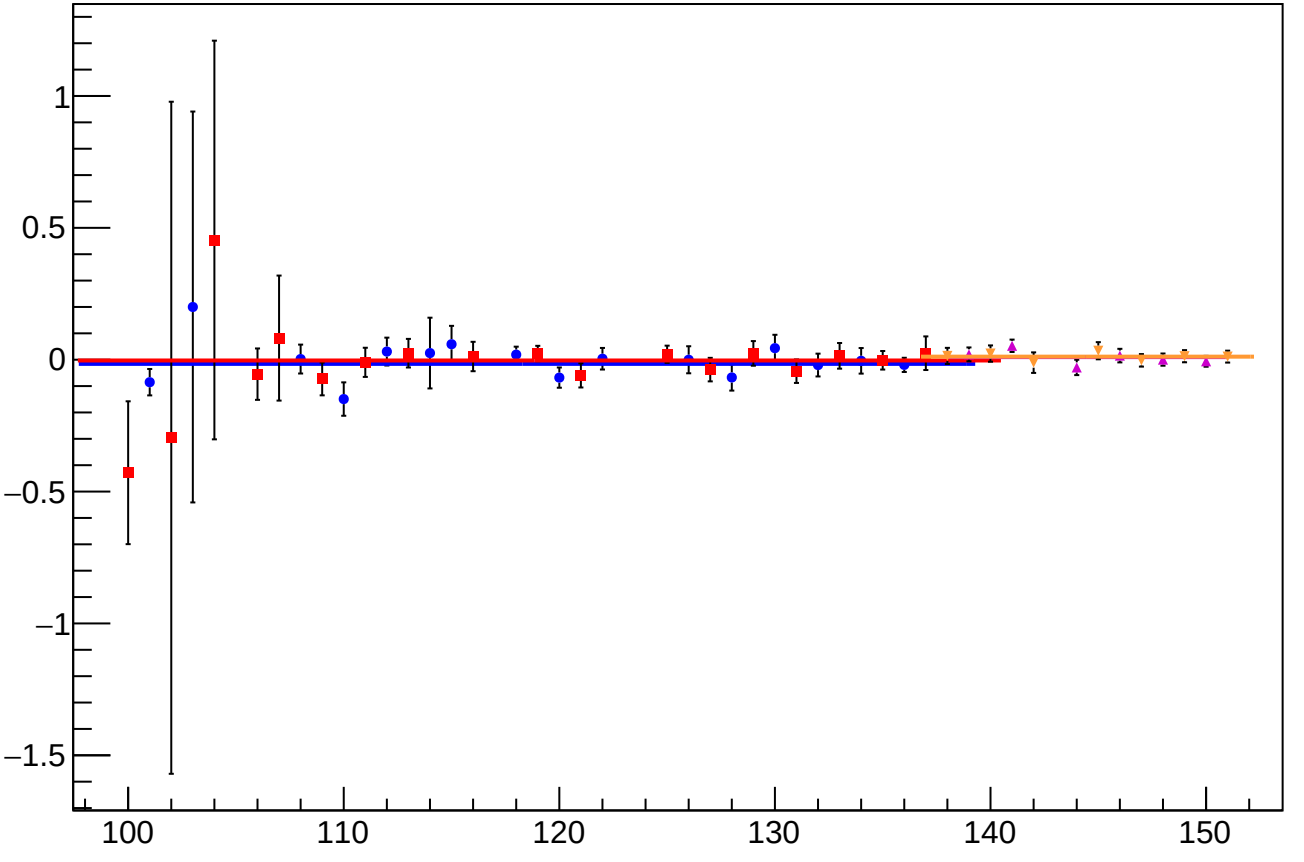
Left In: 0.000+/-0.000 χ^2/NDF:719814.0/5

+ sign 0.000+/-0.000 χ^2/NDF: 3013016.6/22

All: 0.000+/-0.000 χ^2/NDF: 6951556.3/46

- sign 0.000+/-0.000 χ^2/NDF: 3753015.3/23

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: 0.012+/-0.010 χ^2/NDF:1.3/6

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

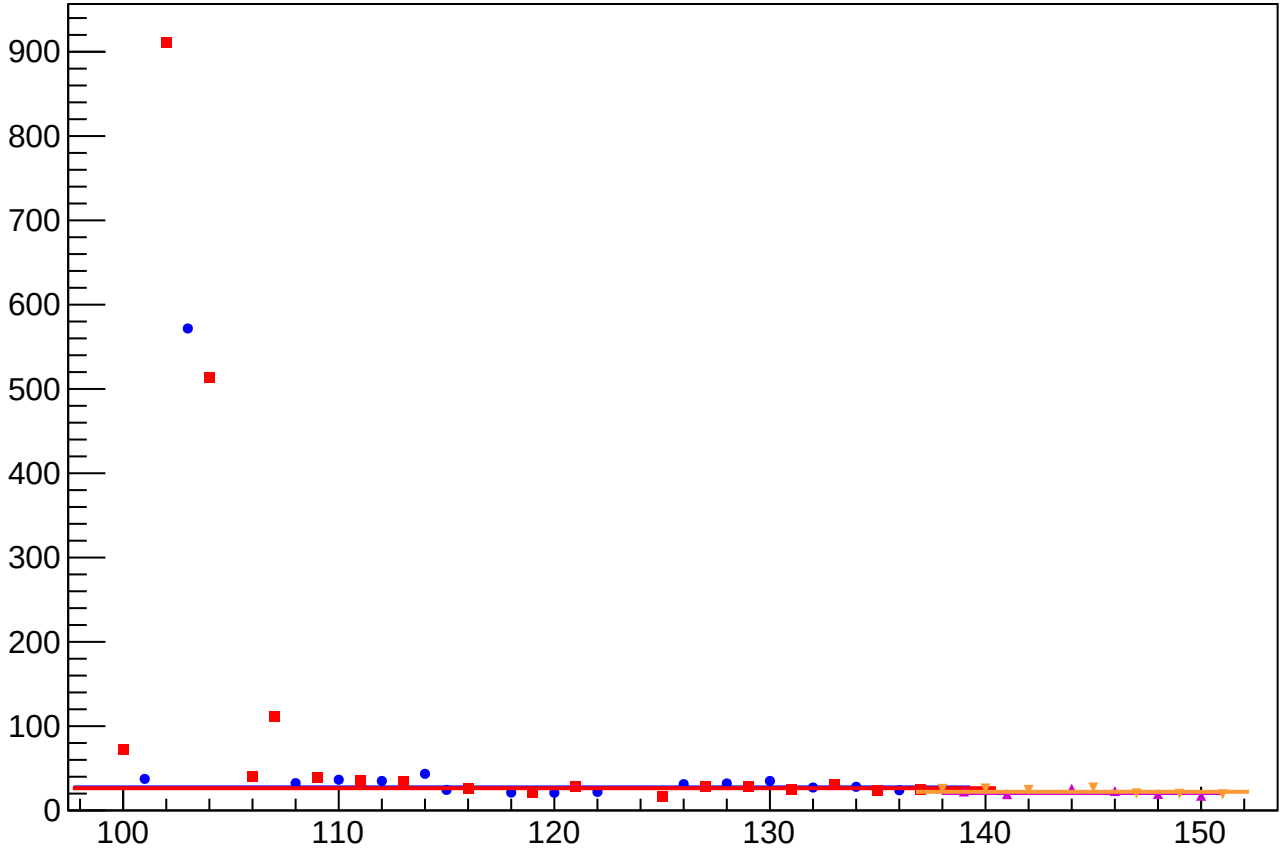
Left In: 0.010+/-0.010 χ^2/NDF:6.1/5

+ sign -0.001+/-0.008 χ^2/NDF: 19.1/22

All: 0.002+/-0.005 χ^2/NDF: 35.9/46

- sign 0.005+/-0.008 χ^2/NDF: 16.7/23

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: 22.141+/-0.007 χ^2/NDF:182154.6/6

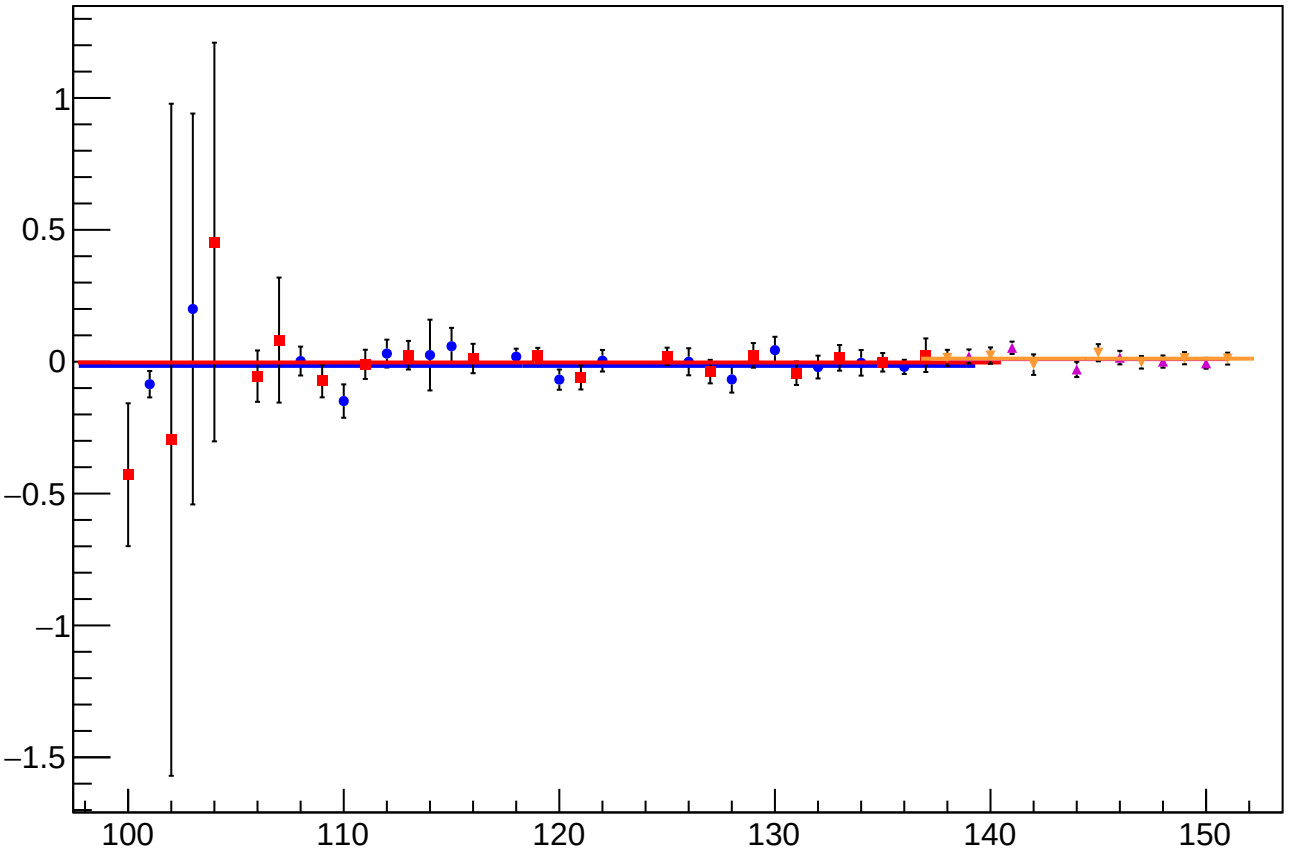
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.701+/-0.007 χ^2/NDF:149488.9/5

+ sign 24.440+/-0.005 χ^2/NDF: 1971916.4/22

All: 23.718+/-0.004 χ^2/NDF: 5038309.9/46

- sign 23.008+/-0.005 χ^2/NDF: 3031640.0/23



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.012+/-0.010 χ^2/NDF:1.3/6

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

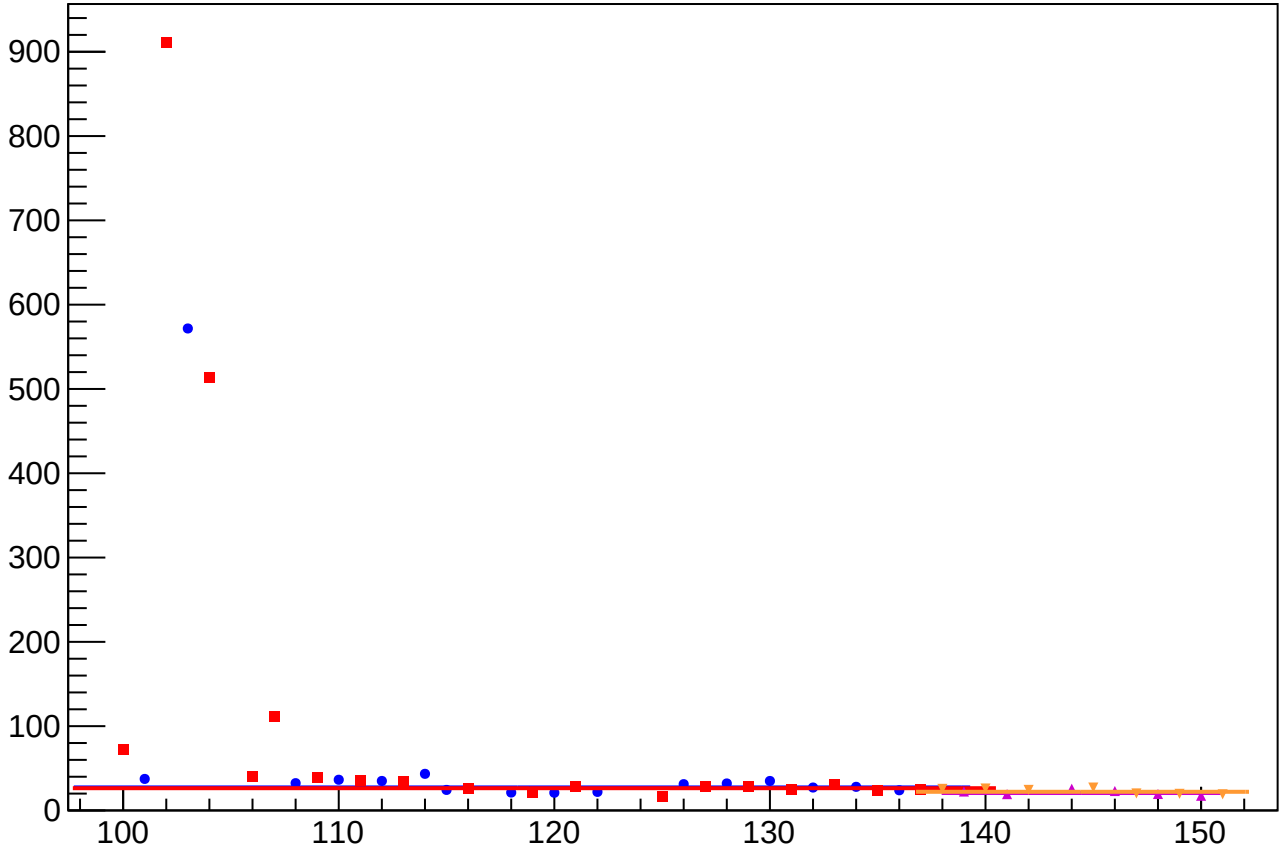
Left In: 0.010+/-0.010 χ^2/NDF:6.1/5

+ sign -0.001+/-0.008 χ^2/NDF: 19.1/22

All: 0.002+/-0.005 χ^2/NDF: 35.9/46

- sign 0.005+/-0.008 χ^2/NDF: 16.7/23

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: 22.141+/-0.007 χ^2/NDF:182154.6/6

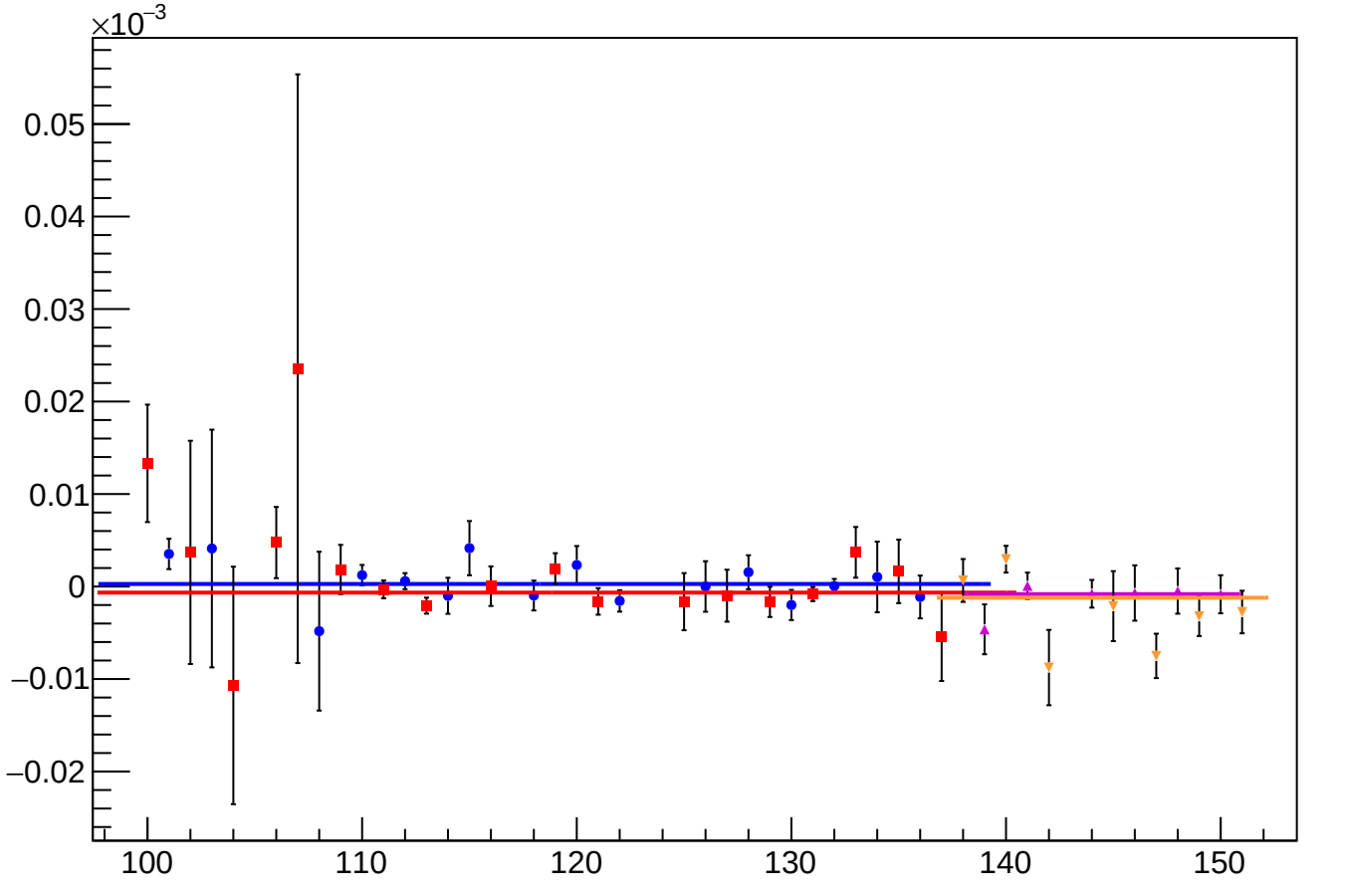
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.701+/-0.007 χ^2/NDF:149488.9/5

+ sign 24.440+/-0.005 χ^2/NDF: 1971916.4/22

All: 23.718+/-0.004 χ^2/NDF: 5038309.9/46

- sign 23.008+/-0.005 χ^2/NDF: 3031640.0/23



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.6/6

Right Out: -0.000+/-0.000 χ^2/NDF: 19.3/17

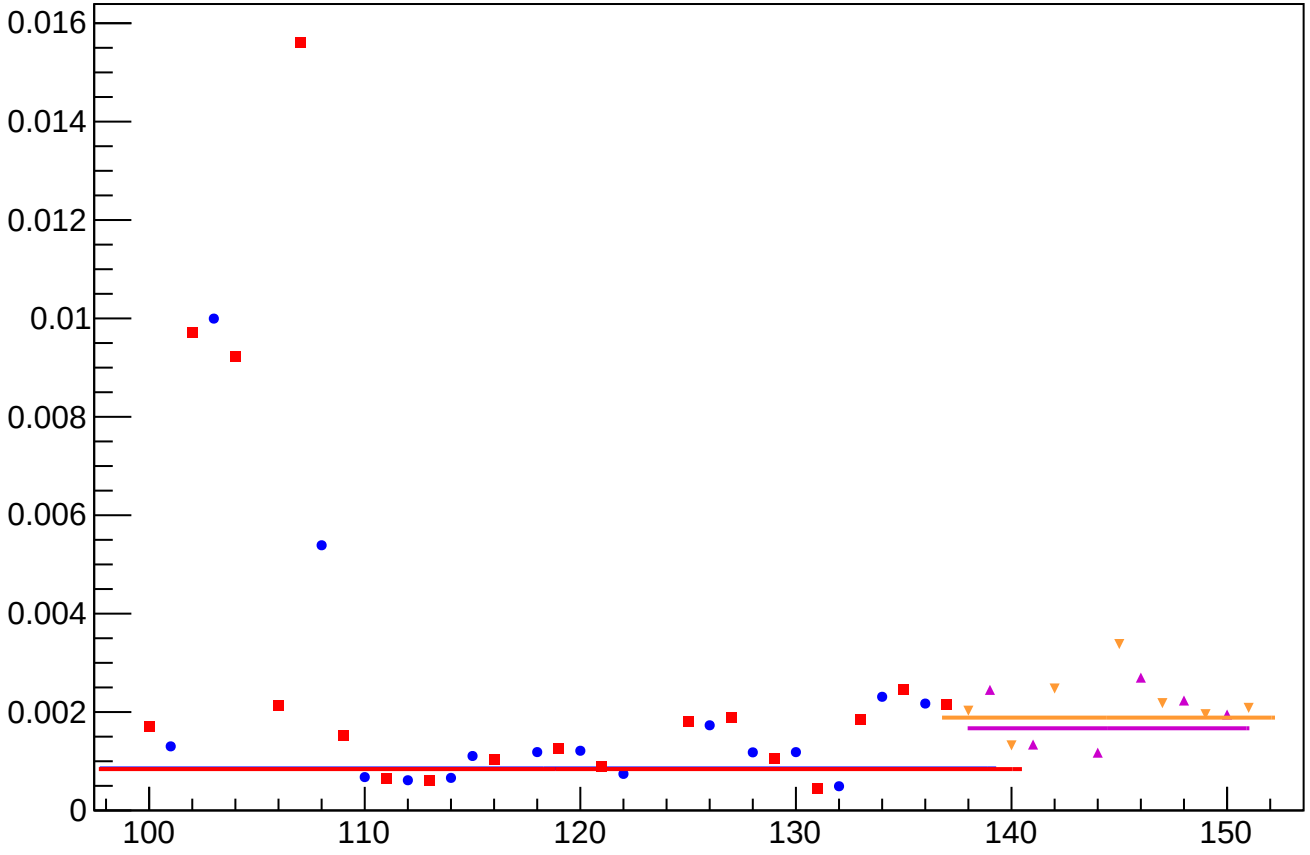
Left In: -0.000+/-0.000 χ^2/NDF:2.4/5

+ sign 0.000+/-0.000 χ^2/NDF: 37.6/22

All: -0.000+/-0.000 χ^2/NDF: 61.5/46

- sign -0.000+/-0.000 χ^2/NDF: 21.7/23

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:714340.6/6

Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

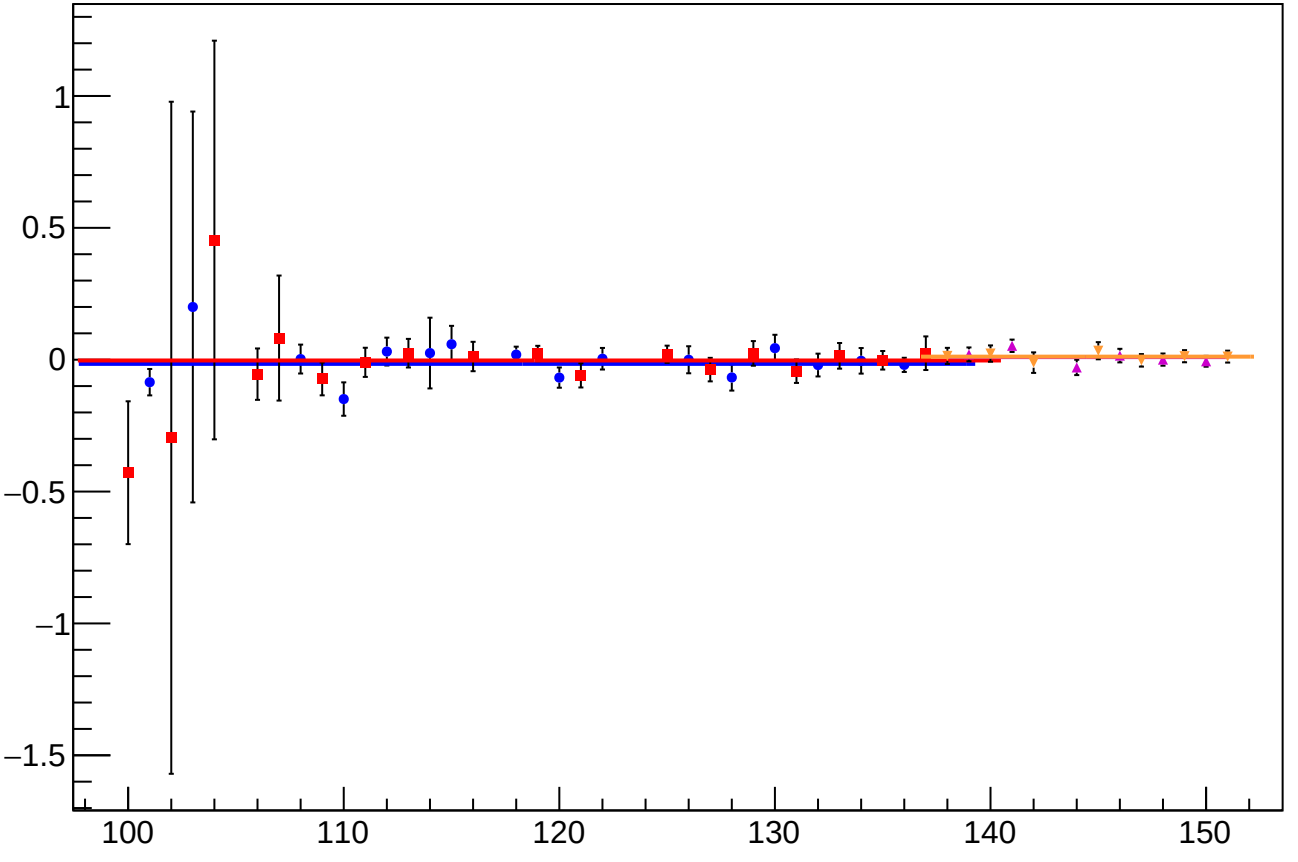
Left In: 0.002+/-0.000 χ^2/NDF:873301.4/5

+ sign 0.001+/-0.000 χ^2/NDF: 7038173.8/22

All: 0.001+/-0.000 χ^2/NDF: 14696482.6/46

- sign 0.001+/-0.000 χ^2/NDF: 7656748.0/23

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.012+/-0.010 χ^2/NDF:1.3/6

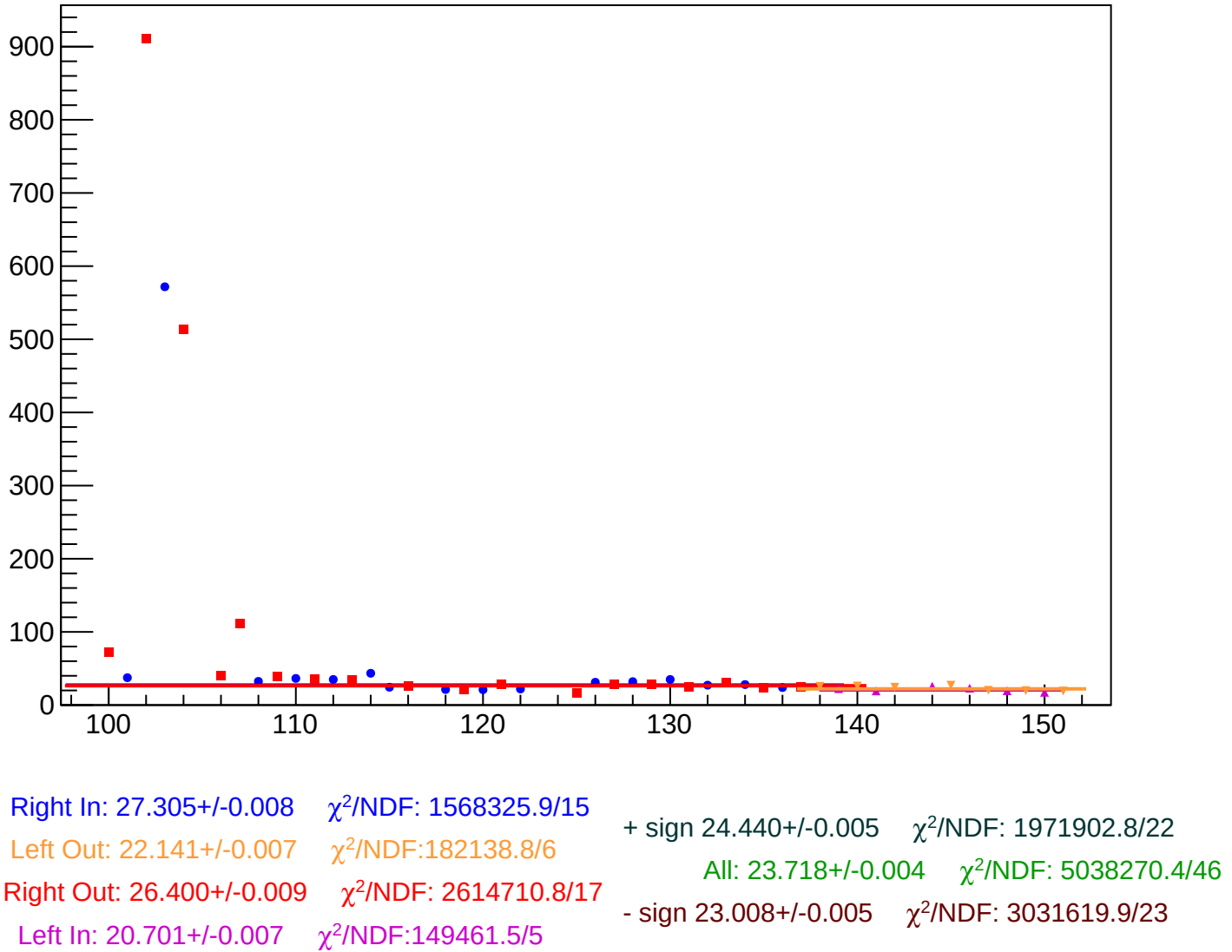
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

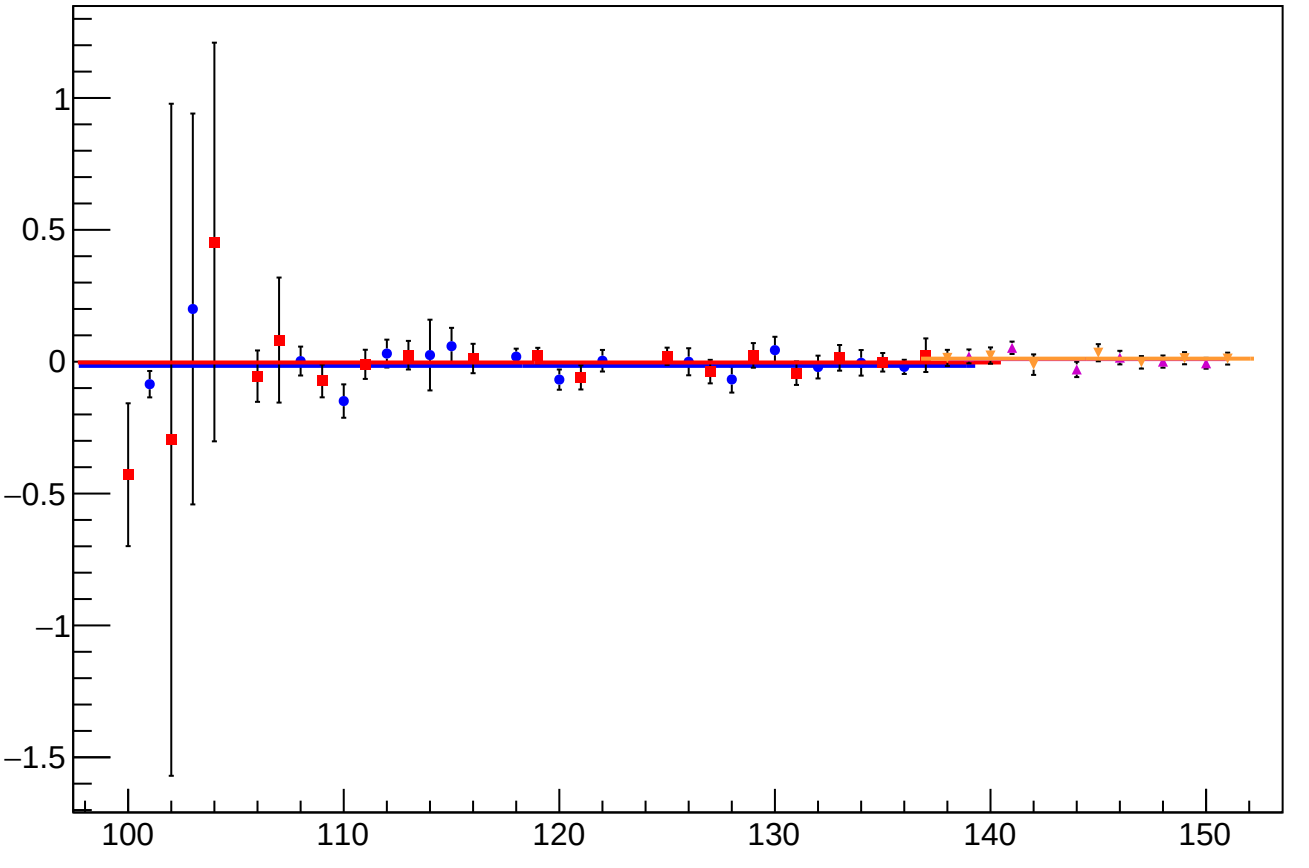
Left In: 0.010+/-0.010 χ^2/NDF:6.1/5

+ sign -0.001+/-0.008 χ^2/NDF: 19.1/22

All: 0.002+/-0.005 χ^2/NDF: 35.9/46

- sign 0.005+/-0.008 χ^2/NDF: 16.7/23


asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug
900
800
700
600
500
400
300
200
100
0
100
110
120
130
140
150
Right In: 27.305+/-0.008 χ²/NDF: 1568325.9/15
Left Out: 22.141+/-0.007 χ²/NDF:182138.8/6
Right Out: 26.400+/-0.009 χ²/NDF: 2614710.8/17
Left In: 20.701+/-0.007 χ²/NDF:149461.5/5
+ sign 24.440+/-0.005 χ²/NDF: 1971902.8/22
All: 23.718+/-0.004 χ²/NDF: 5038270.4/46
- sign 23.008+/-0.005 χ²/NDF: 3031619.9/23



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.012+/-0.010 χ^2/NDF:1.3/6

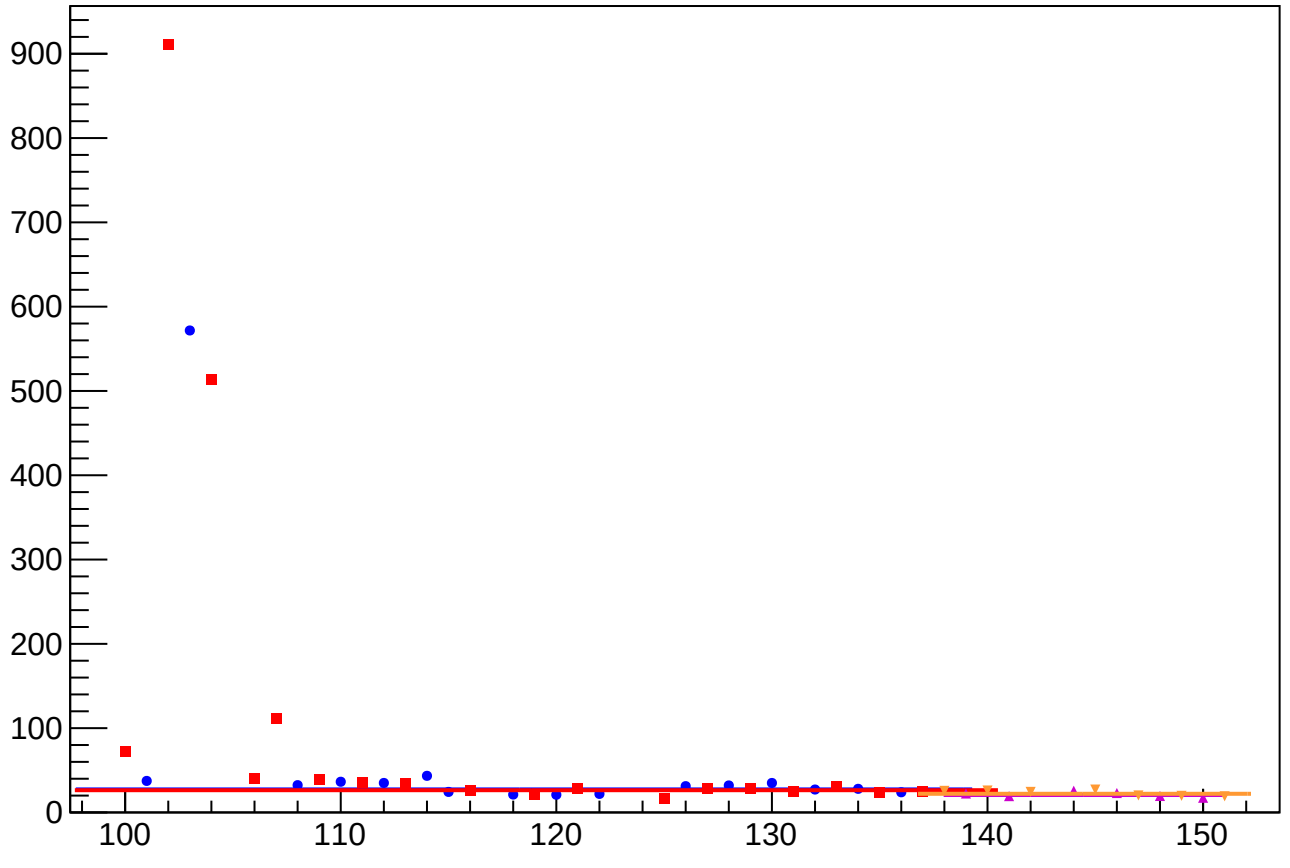
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: 0.010+/-0.010 χ^2/NDF:6.1/5

\+ sign -0.001+/-0.008 χ^2/NDF: 19.1/22

All: 0.002+/-0.005 χ^2/NDF: 35.9/46

\- sign 0.005+/-0.008 χ^2/NDF: 16.7/23



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 22.141+/-0.007 χ^2/NDF:182138.8/6

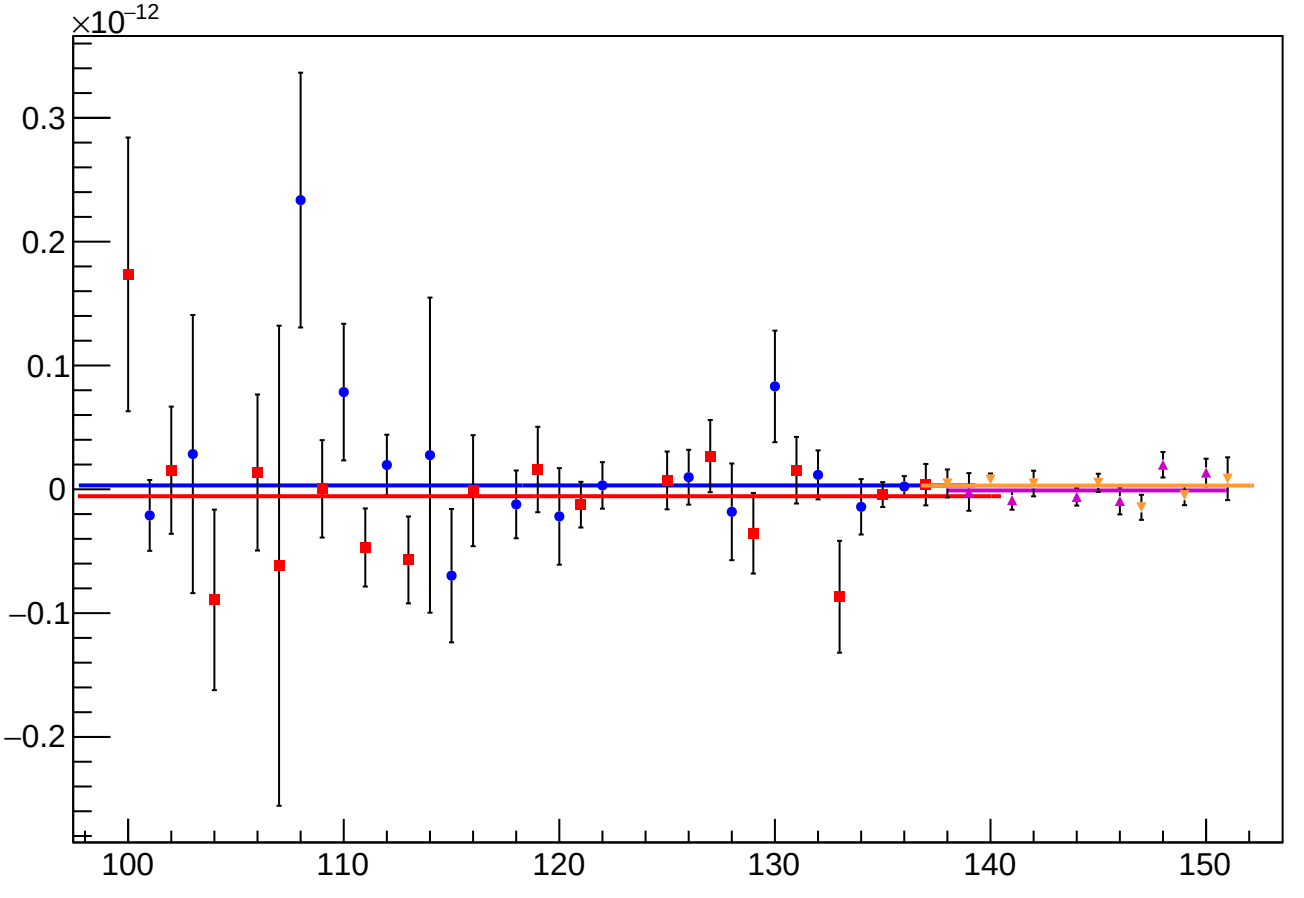
Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.701+/-0.007 χ^2/NDF:149461.5/5

+ sign 24.440+/-0.005 χ^2/NDF: 1971902.8/22

All: 23.718+/-0.004 χ^2/NDF: 5038270.4/46

- sign 23.008+/-0.005 χ^2/NDF: 3031619.9/23



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

Left Out: 0.000+/-0.000 χ^2/NDF:5.1/6

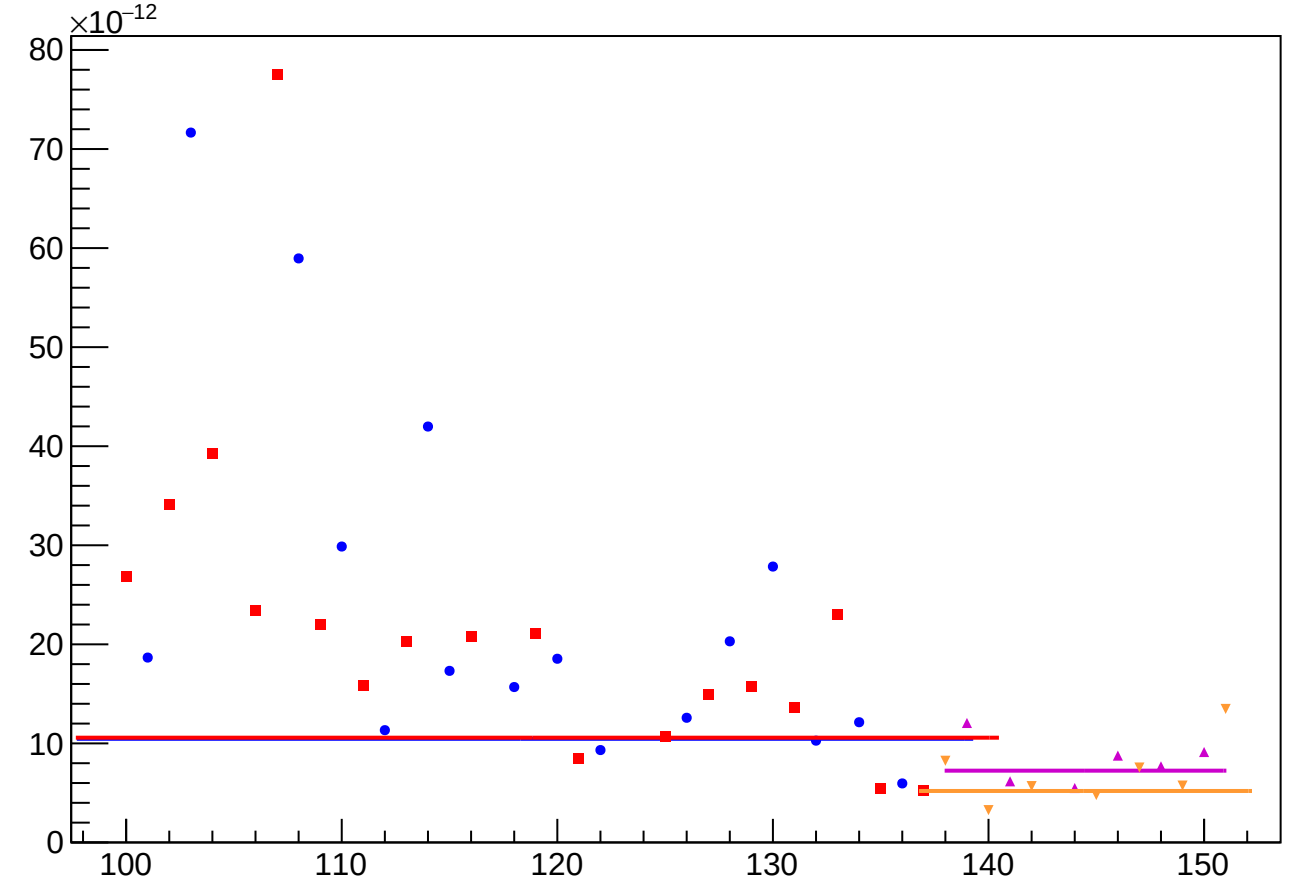
Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: -0.000+/-0.000 χ^2/NDF:7.9/5

+ sign 0.000+/-0.000 χ^2/NDF: 20.2/22

All: 0.000+/-0.000 χ^2/NDF: 45.3/46

- sign -0.000+/-0.000 χ^2/NDF: 23.6/23



Right In: 0.000+/-0.000 χ^2/NDF: 2794895.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1041789.9/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2771384.1/17

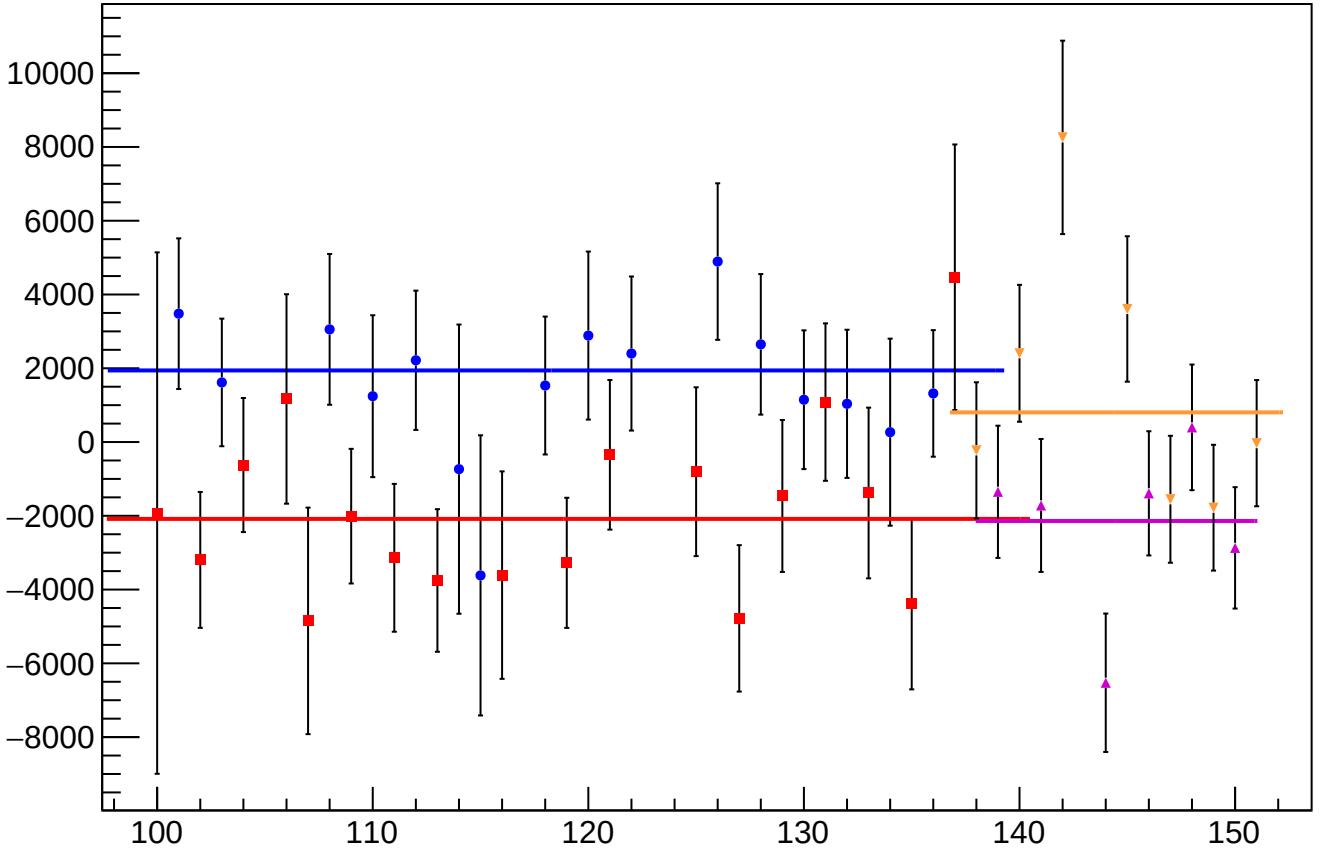
Left In: 0.000+/-0.000 χ^2/NDF:460788.9/5

+ sign 0.000+/-0.000 χ^2/NDF: 5143425.7/22

All: 0.000+/-0.000 χ^2/NDF: 9173457.0/46

- sign 0.000+/-0.000 χ^2/NDF: 3658186.9/23

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 803.741+/-705.396 χ^2/NDF:15.6/6

Right Out: -2083.952+/-519.583 χ^2/NDF: 14.5/17

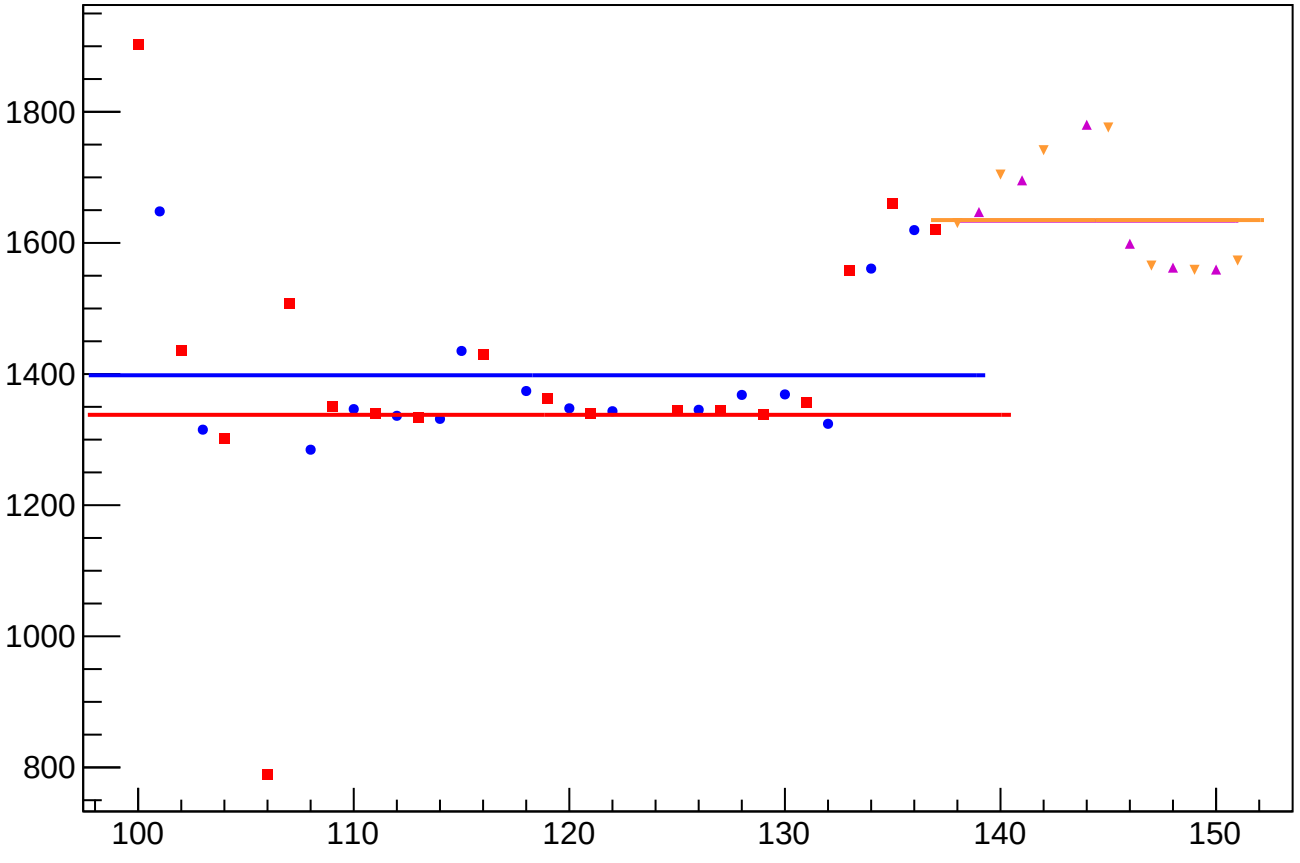
Left In: -2140.195+/-712.523 χ^2/NDF:8.3/5

+ sign 1538.398+/-419.694 χ^2/NDF: 24.2/22

All: -282.003+/-296.812 χ^2/NDF: 84.6/46

- sign -2103.477+/-419.817 χ^2/NDF: 22.8/23

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1634.881+/-0.499 χ^2/NDF:26183.8/6

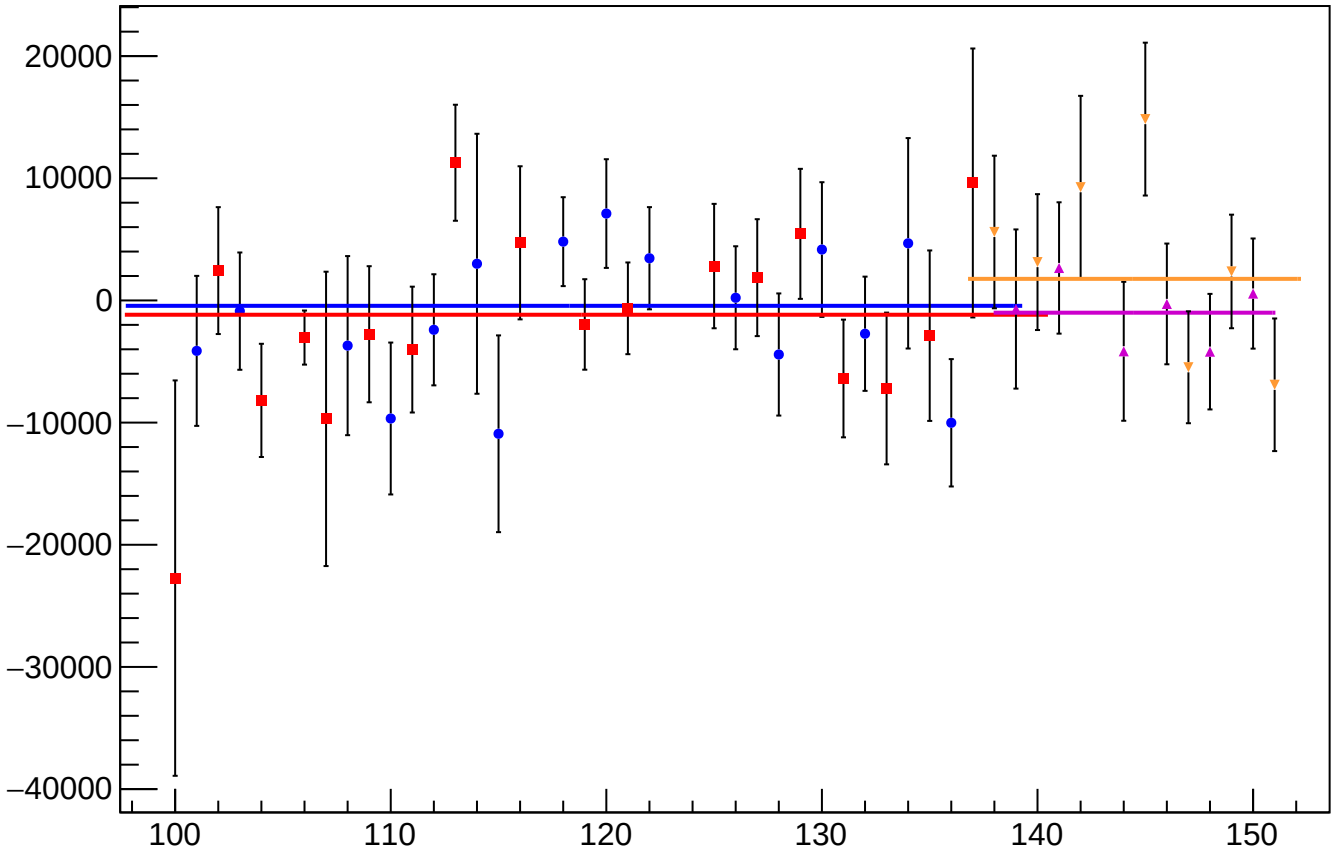
Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1633.984+/-0.504 χ^2/NDF:23112.5/5

+ sign 1481.959+/-0.297 χ^2/NDF: 265609.1/22

All: 1458.713+/-0.208 χ^2/NDF: 849021.3/46

- sign 1436.410+/-0.291 χ^2/NDF: 571390.0/23



Right In: -441.138+/-1295.916 χ^2/NDF: 15.9/15

Left Out: 1765.932+/-2088.406 χ^2/NDF:10.9/6

Right Out: -1171.548+/-1119.890 χ^2/NDF: 19.7/17

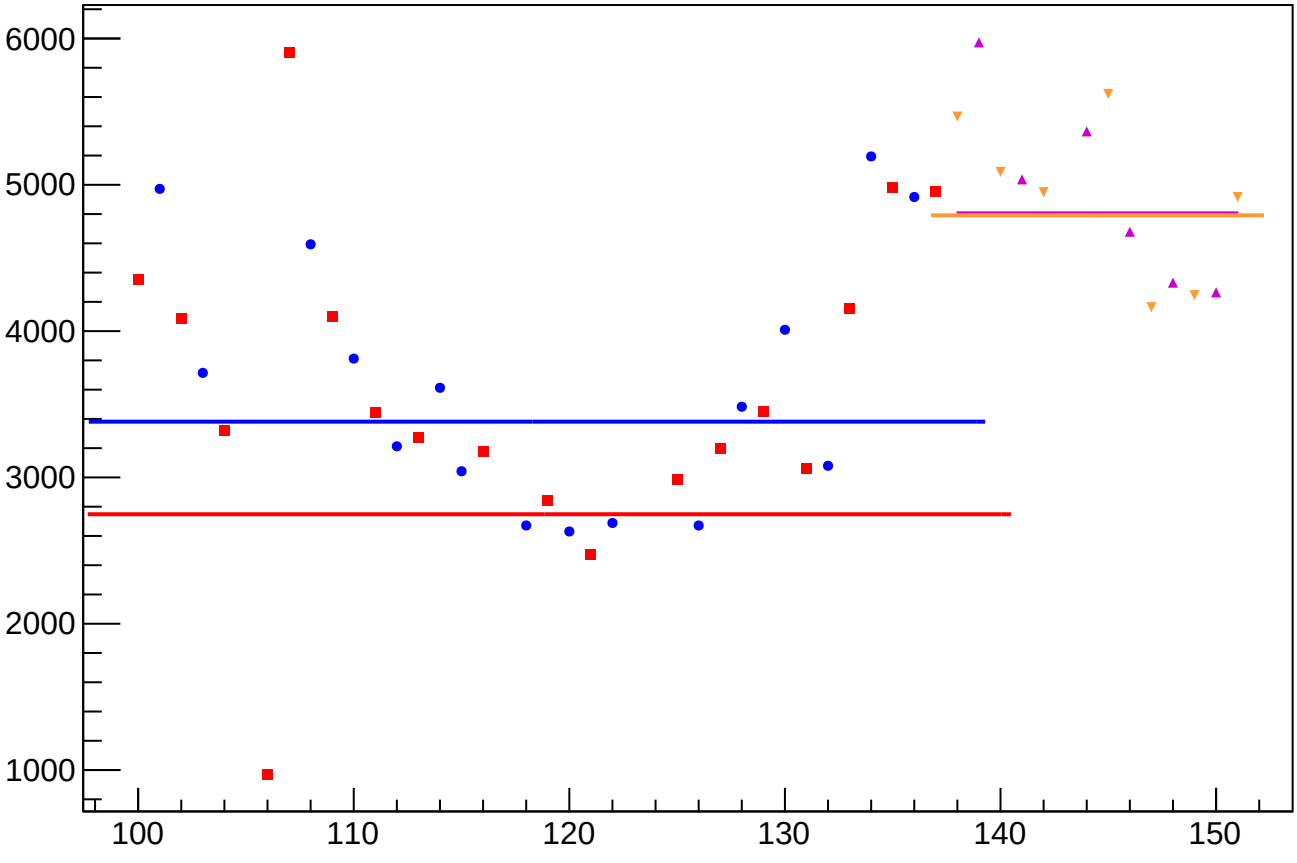
Left In: -1004.021+/-2113.040 χ^2/NDF:1.4/5

+ sign 172.445+/-1101.142 χ^2/NDF: 27.6/22

All: -550.788+/-736.000 χ^2/NDF: 49.4/46

- sign -1134.811+/-989.508 χ^2/NDF: 21.0/23

asym_usl_atl2_avg_reg_correction_rms vs Slug



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 4791.402+/-1.477 χ^2/NDF:131278.5/6

Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

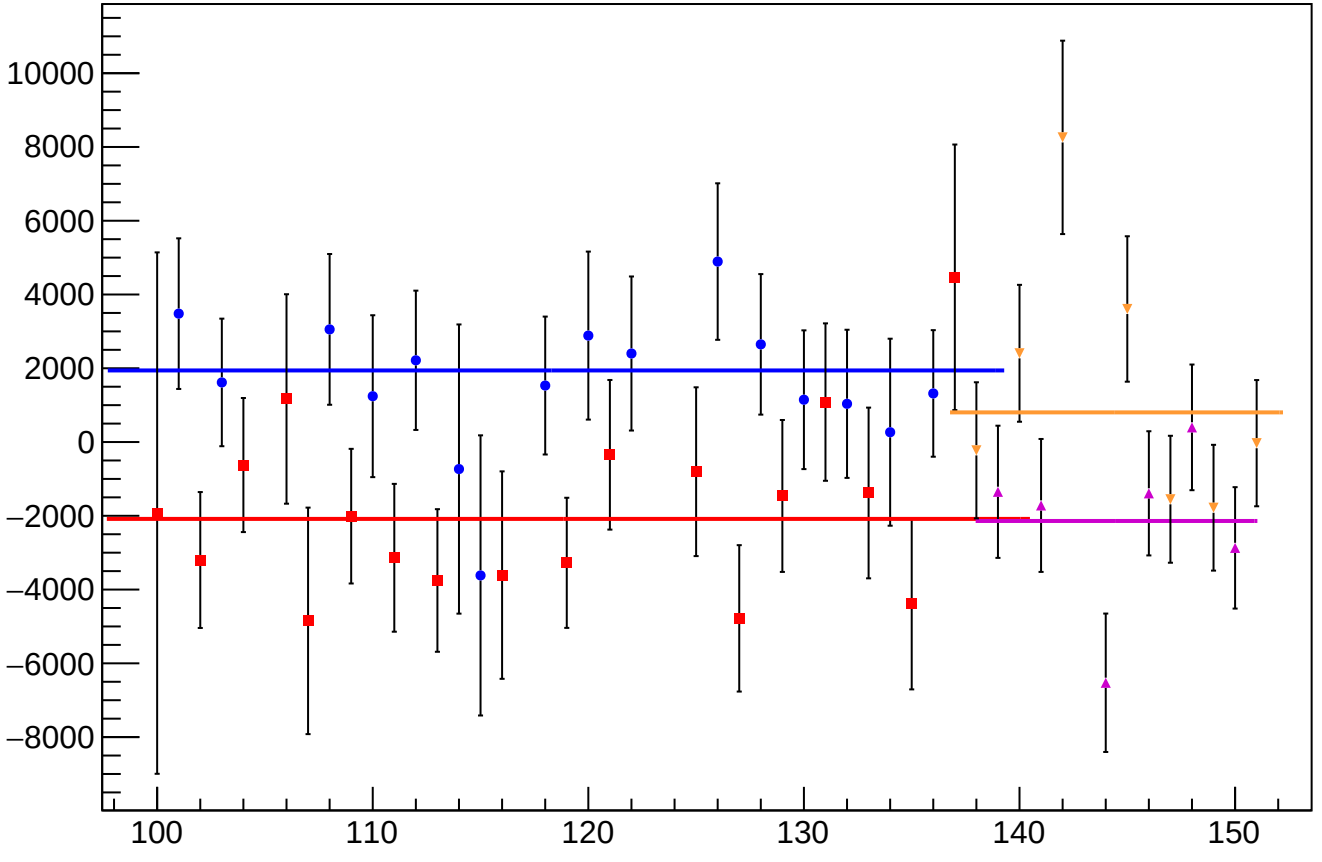
Left In: 4805.057+/-1.494 χ^2/NDF:137529.2/5

+ sign 3773.187+/-0.779 χ^2/NDF: 1546911.1/22

All: 3455.735+/-0.520 χ^2/NDF: 5728700.8/46

- sign 3199.387+/-0.700 χ^2/NDF: 3881333.3/23

cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 803.752+/-705.396 χ^2/NDF:15.6/6

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

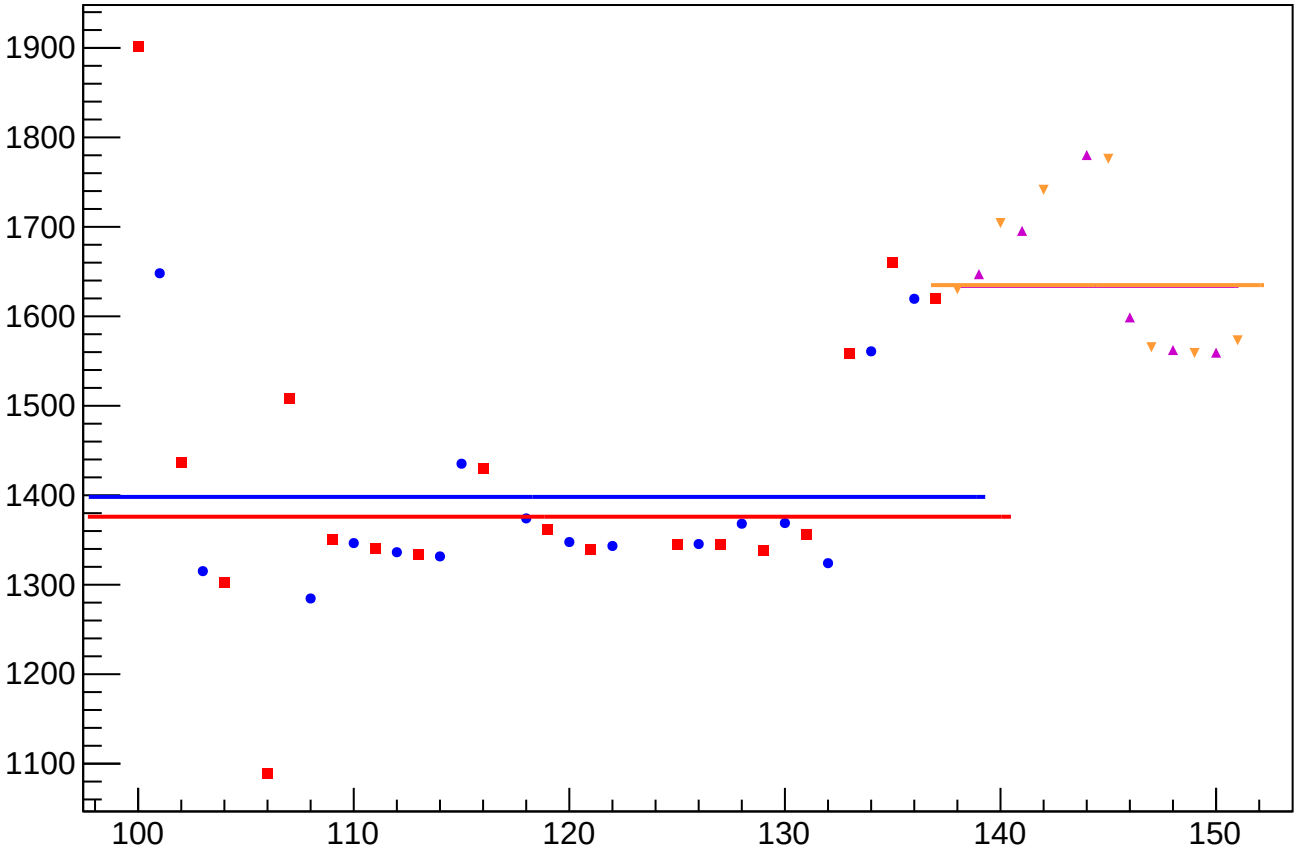
Left In: -2140.274+/-712.523 χ^2/NDF:8.3/5

+ sign 1538.438+/-419.694 χ^2/NDF: 24.2/22

All: -282.060+/-296.813 χ^2/NDF: 84.6/46

- sign -2103.644+/-419.819 χ^2/NDF: 22.8/23

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1634.881+/-0.499 χ^2/NDF:26183.8/6

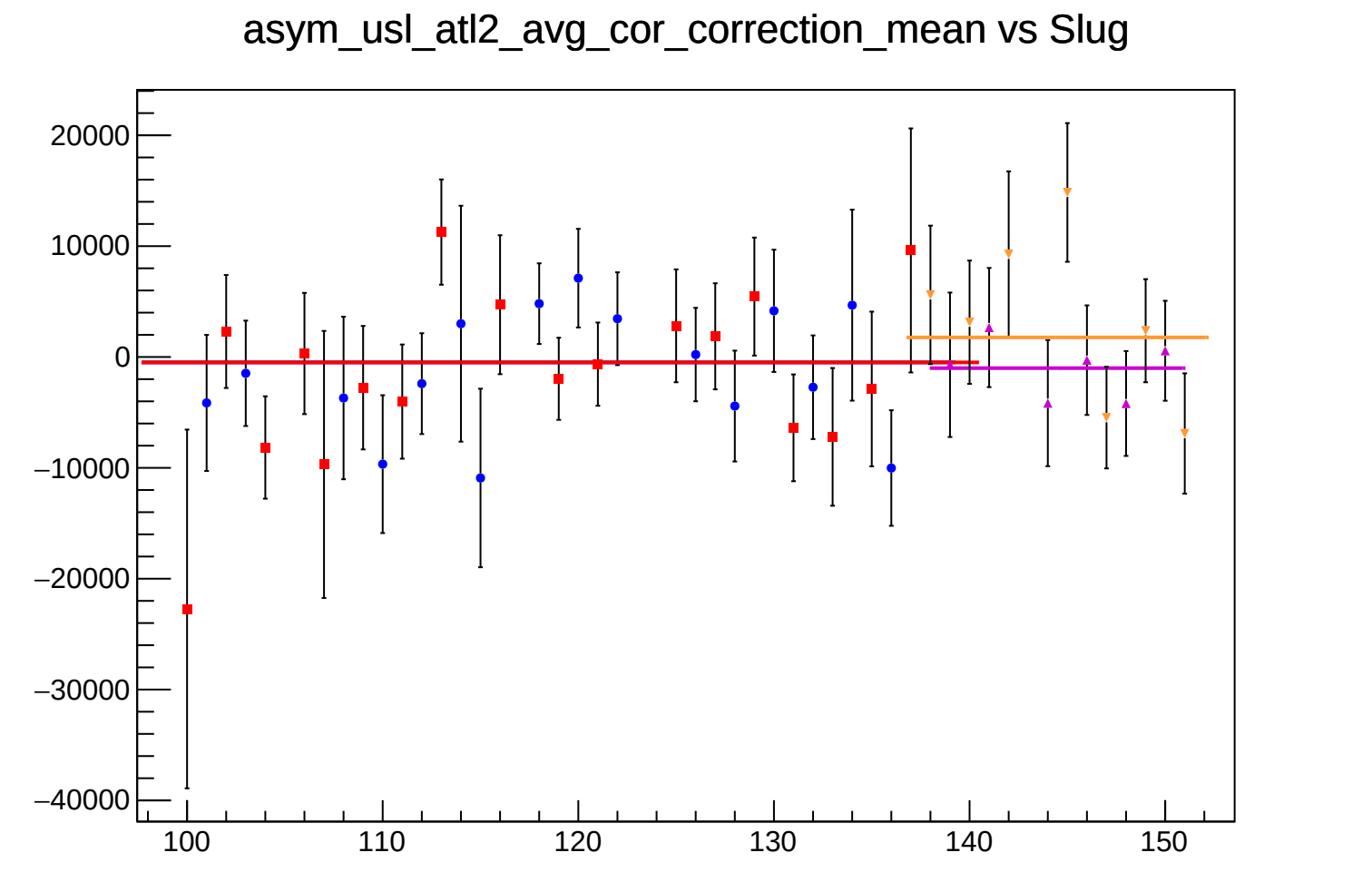
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1633.984+/-0.504 χ^2/NDF:23112.5/5

+ sign 1481.959+/-0.297 χ^2/NDF: 265609.2/22

All: 1472.912+/-0.209 χ^2/NDF: 577323.8/46

- sign 1464.017+/-0.294 χ^2/NDF: 309871.5/23



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: 1765.924+/-2088.406 χ^2/NDF:10.9/6

Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

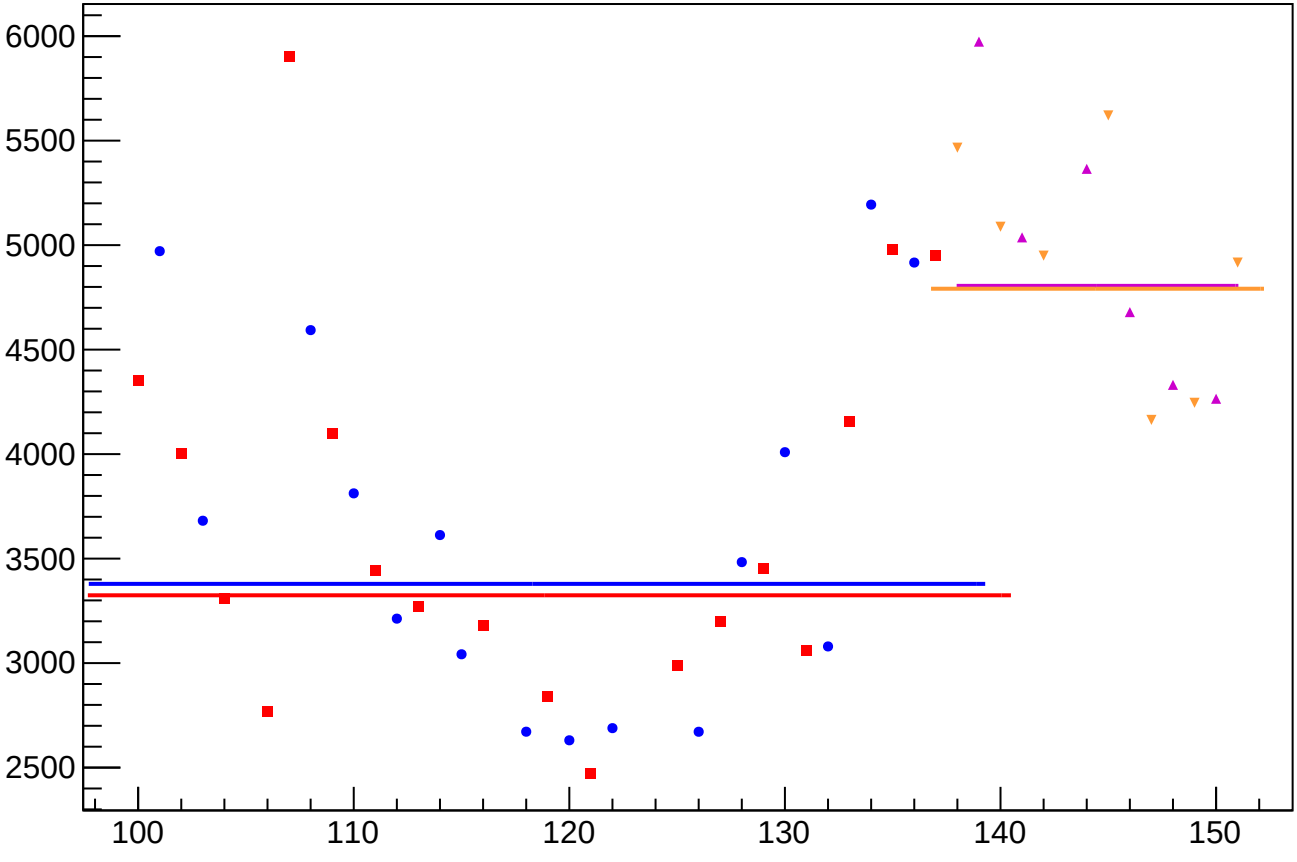
Left In: -1004.101+/-2113.037 χ^2/NDF:1.4/5

+ sign 138.957+/-1100.537 χ^2/NDF: 27.7/22

All: -248.646+/-771.936 χ^2/NDF: 48.0/46

- sign -624.022+/-1083.037 χ^2/NDF: 20.1/23

asym_usl_atl2_avg_cor_correction_rms vs Slug



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 4791.404+/-1.477 χ^2/NDF:131278.3/6

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

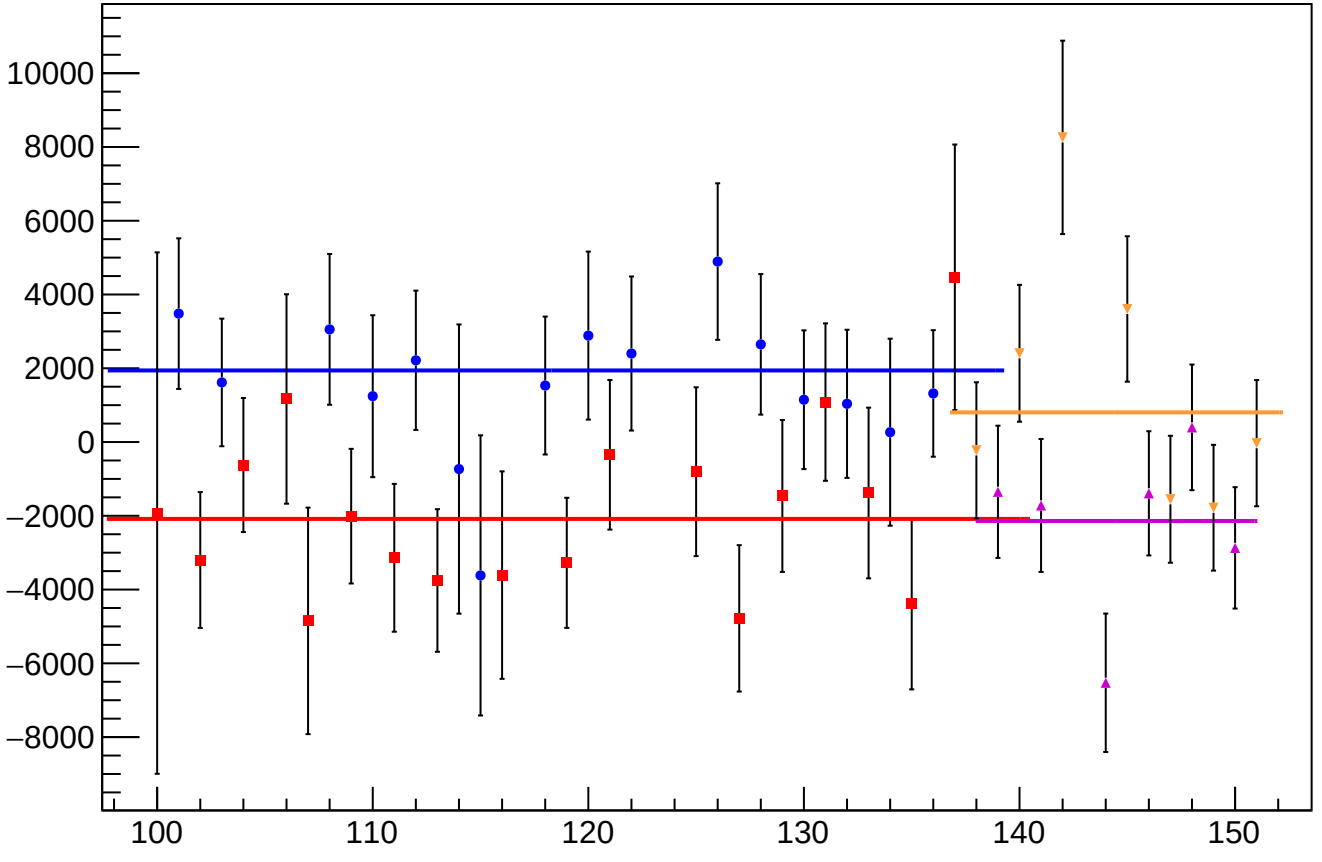
Left In: 4805.051+/-1.494 χ^2/NDF:137529.7/5

+ sign 3771.307+/-0.778 χ^2/NDF: 1547260.3/22

All: 3741.897+/-0.546 χ^2/NDF: 2955404.0/46

- sign 3713.415+/-0.766 χ^2/NDF: 1405332.1/23

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 803.752+/-705.396 χ^2/NDF:15.6/6

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

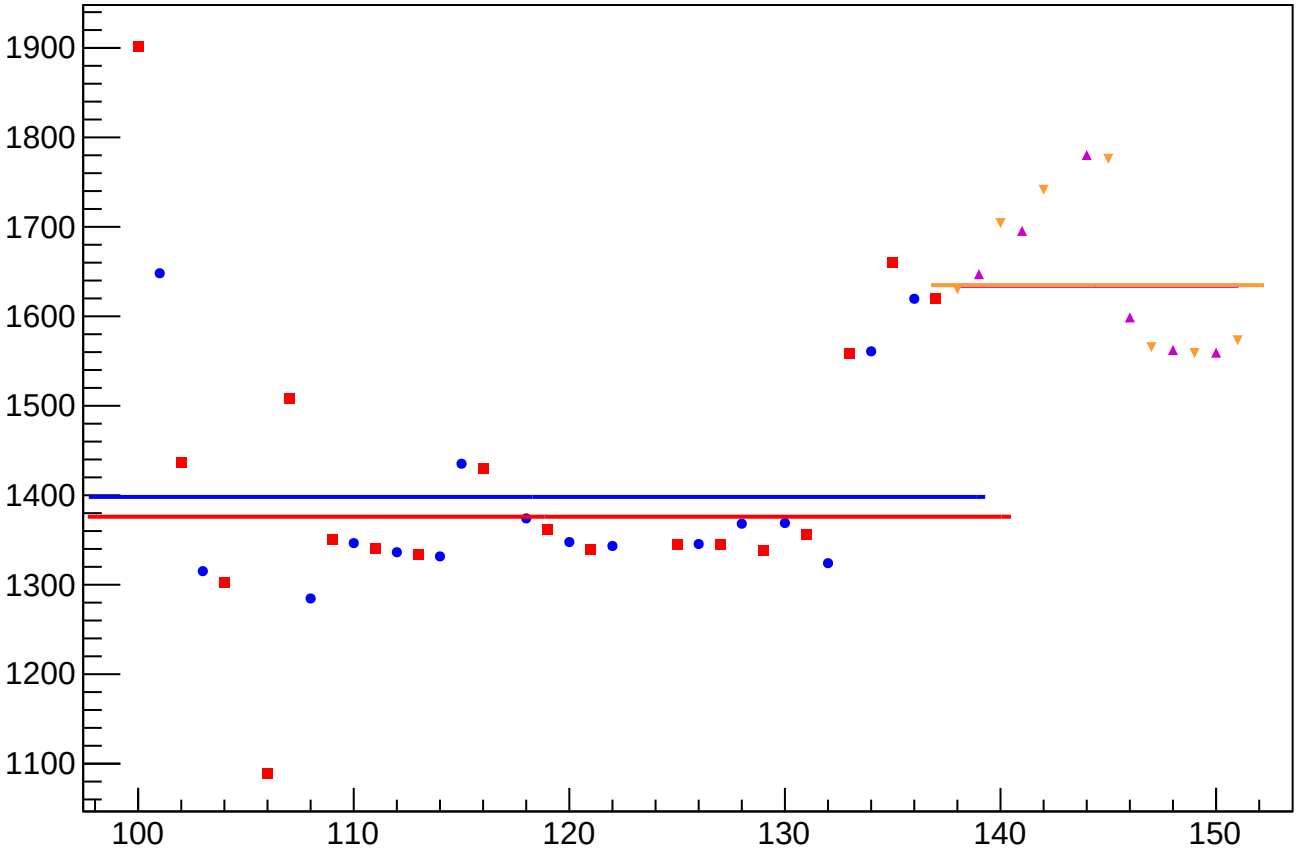
Left In: -2140.274+/-712.523 χ^2/NDF:8.3/5

+ sign 1538.438+/-419.694 χ^2/NDF: 24.2/22

All: -282.060+/-296.813 χ^2/NDF: 84.6/46

- sign -2103.644+/-419.819 χ^2/NDF: 22.8/23

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1634.881+/-0.499 χ^2/NDF:26183.8/6

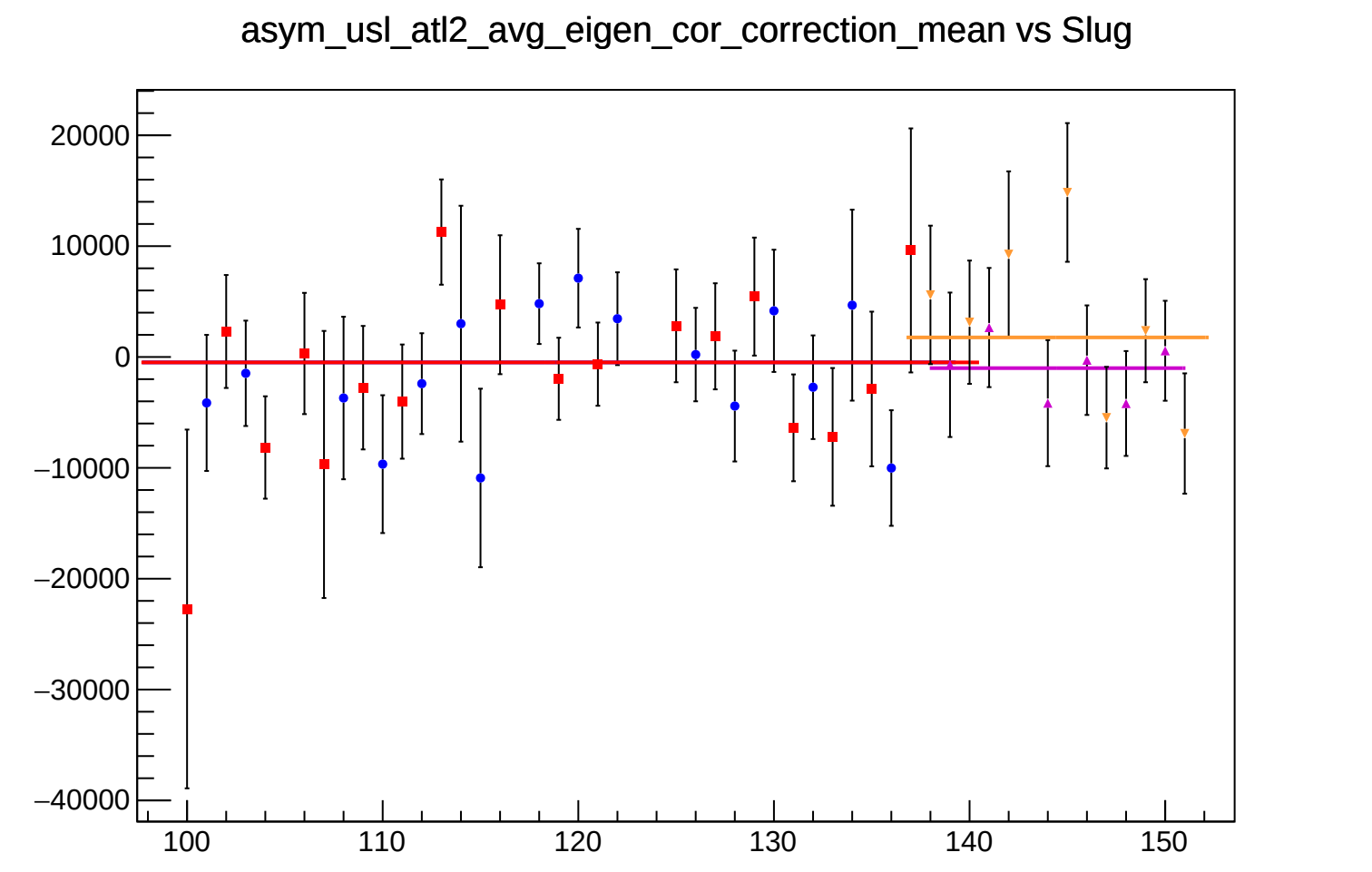
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1633.984+/-0.504 χ^2/NDF:23112.5/5

+ sign 1481.959+/-0.297 χ^2/NDF: 265609.2/22

All: 1472.912+/-0.209 χ^2/NDF: 577323.8/46

- sign 1464.017+/-0.294 χ^2/NDF: 309871.5/23



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: 1765.924+/-2088.406 χ^2/NDF:10.9/6

Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

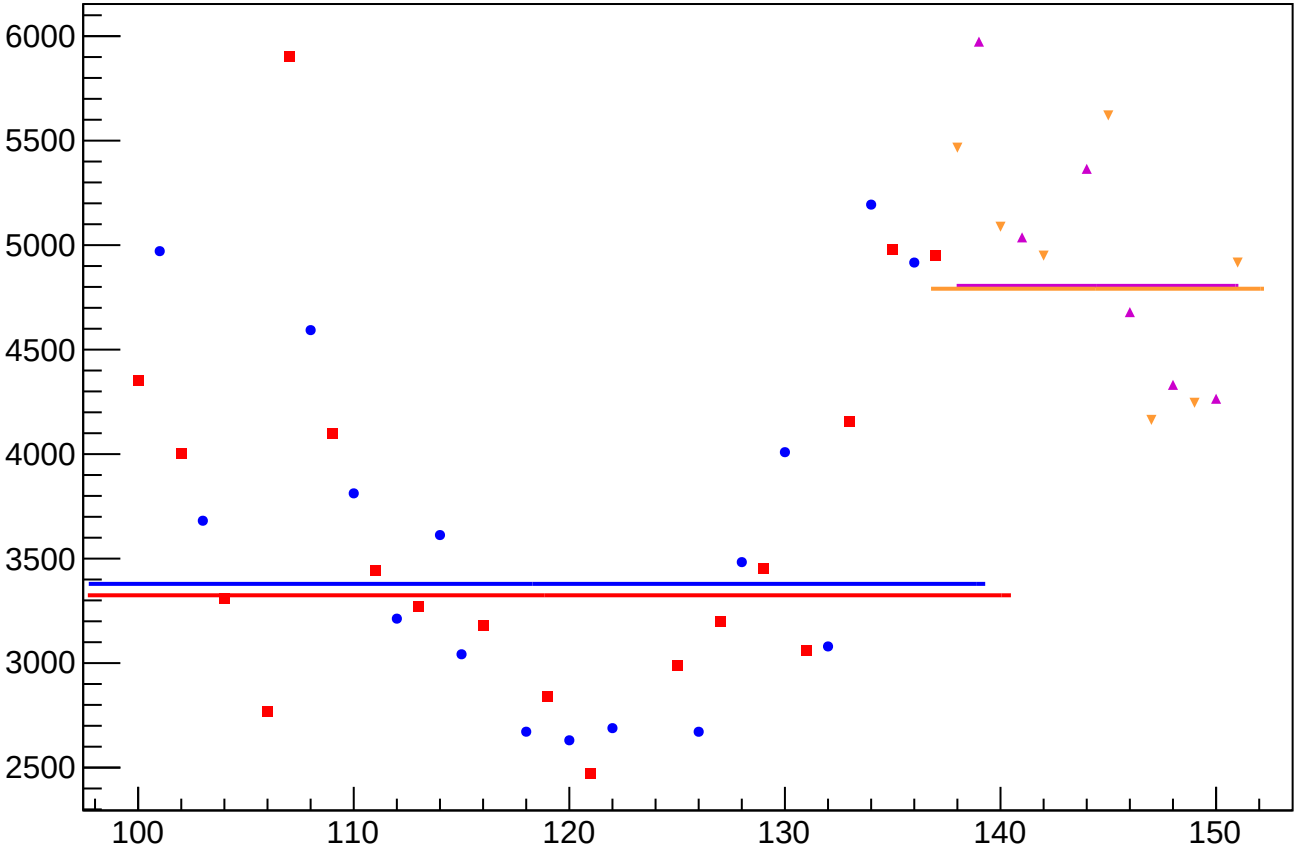
Left In: -1004.101+/-2113.037 χ^2/NDF:1.4/5

+ sign 138.957+/-1100.537 χ^2/NDF: 27.7/22

All: -248.646+/-771.936 χ^2/NDF: 48.0/46

- sign -624.022+/-1083.037 χ^2/NDF: 20.1/23

asym_usl_atl2_avg_eigen_cor_correction_rms vs Slug



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 4791.404+/-1.477 χ^2/NDF:131278.3/6

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

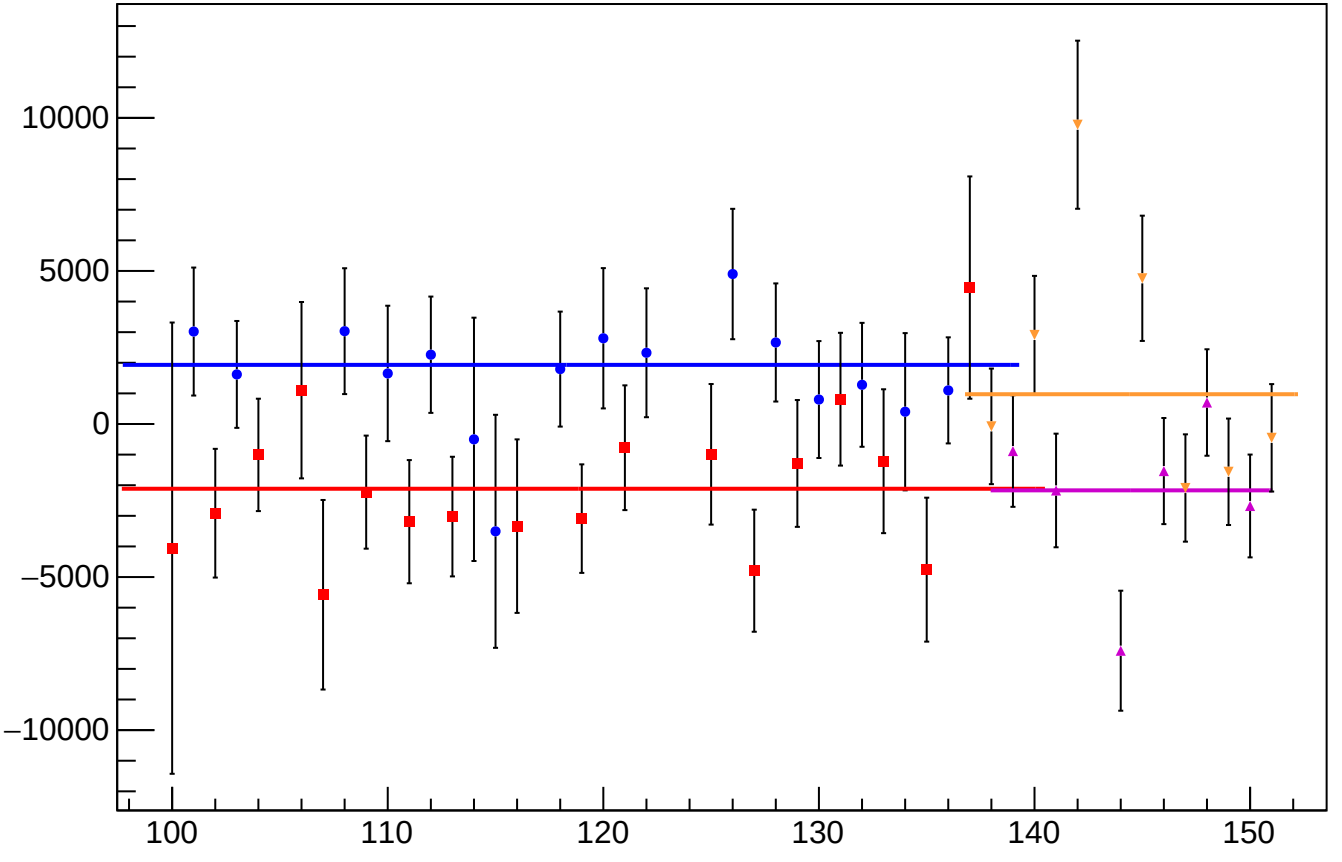
Left In: 4805.051+/-1.494 χ^2/NDF:137529.7/5

+ sign 3771.307+/-0.778 χ^2/NDF: 1547260.3/22

All: 3741.897+/-0.546 χ^2/NDF: 2955404.0/46

- sign 3713.415+/-0.766 χ^2/NDF: 1405332.1/23

dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 972.832+/-725.215 χ^2/NDF:20.9/6

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

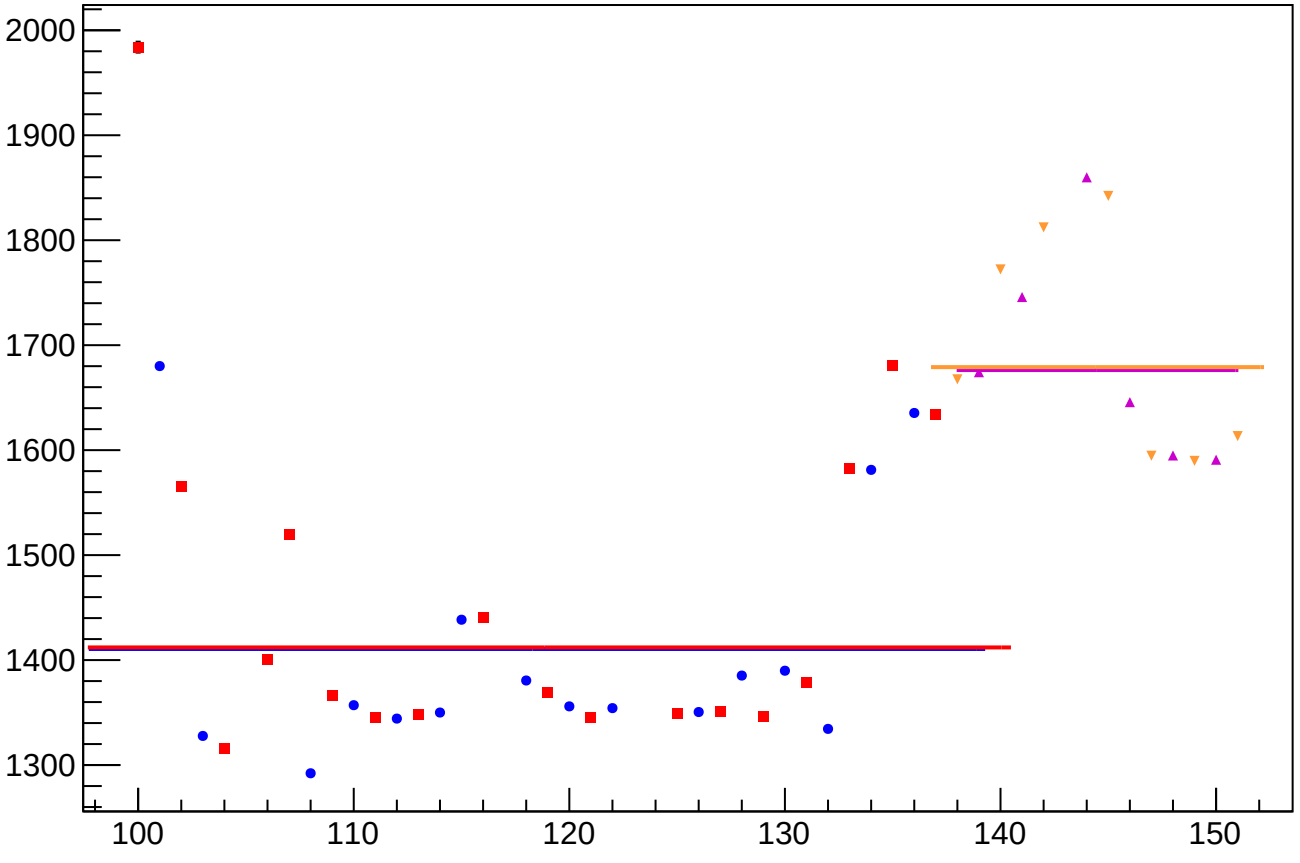
Left In: -2167.584+/-731.308 χ^2/NDF:10.6/5

+ sign 1600.118+/-426.396 χ^2/NDF: 28.4/22

All: -257.288+/-302.253 χ^2/NDF: 90.3/46

- sign -2133.182+/-428.512 χ^2/NDF: 23.8/23

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1679.094+/-0.513 χ^2/NDF:34857.4/6

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

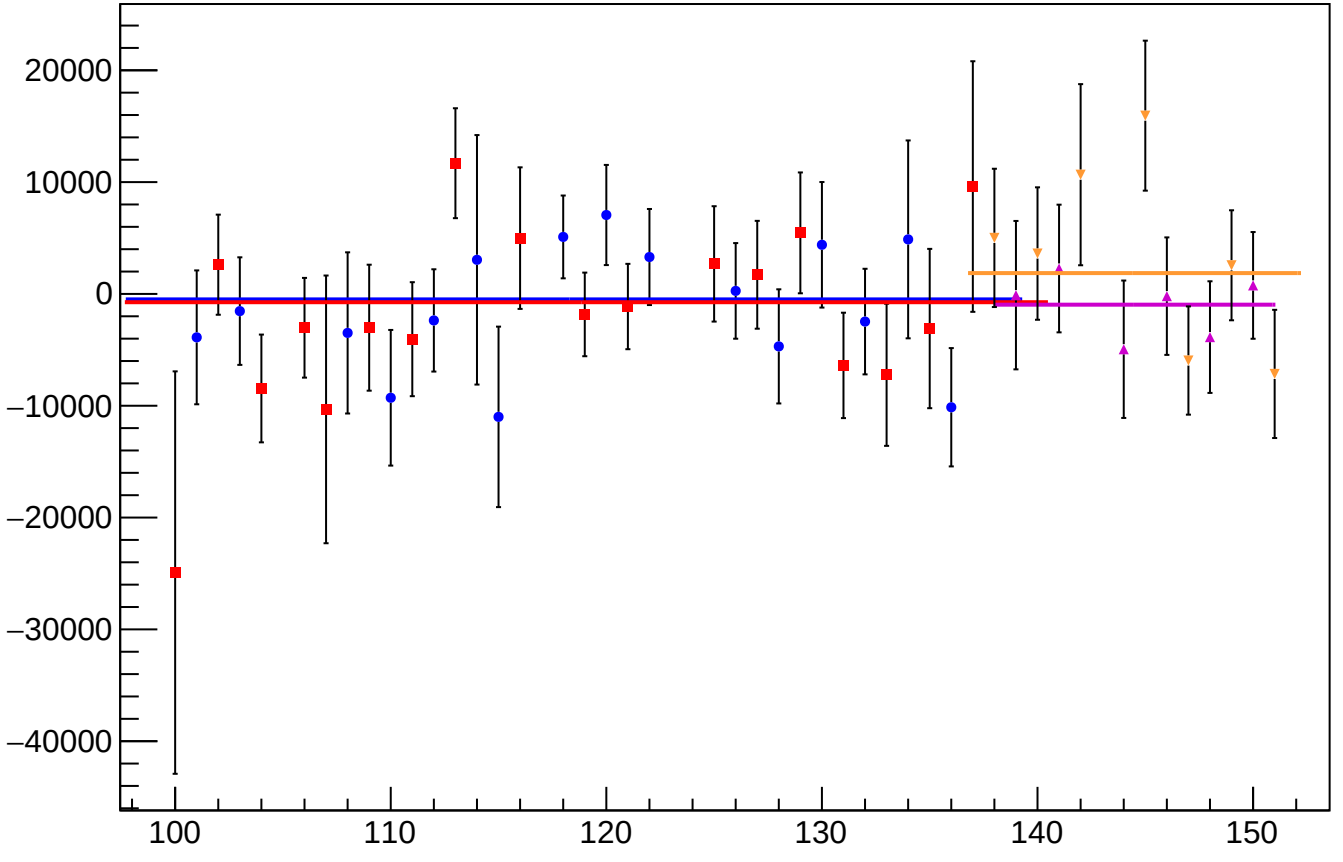
Left In: 1676.305+/-0.517 χ^2/NDF:30536.6/5

+ sign 1503.414+/-0.302 χ^2/NDF: 313381.9/22

All: 1502.938+/-0.214 χ^2/NDF: 605425.5/46

- sign 1502.460+/-0.302 χ^2/NDF: 292038.6/23

asym_usl_atl2_avg_dit_correction_mean vs Slug



Right In: -489.402+/-1308.692 χ^2/NDF: 15.8/15

Left Out: 1863.505+/-2200.162 χ^2/NDF:11.0/6

Right Out: -740.592+/-1247.947 χ^2/NDF: 19.2/17

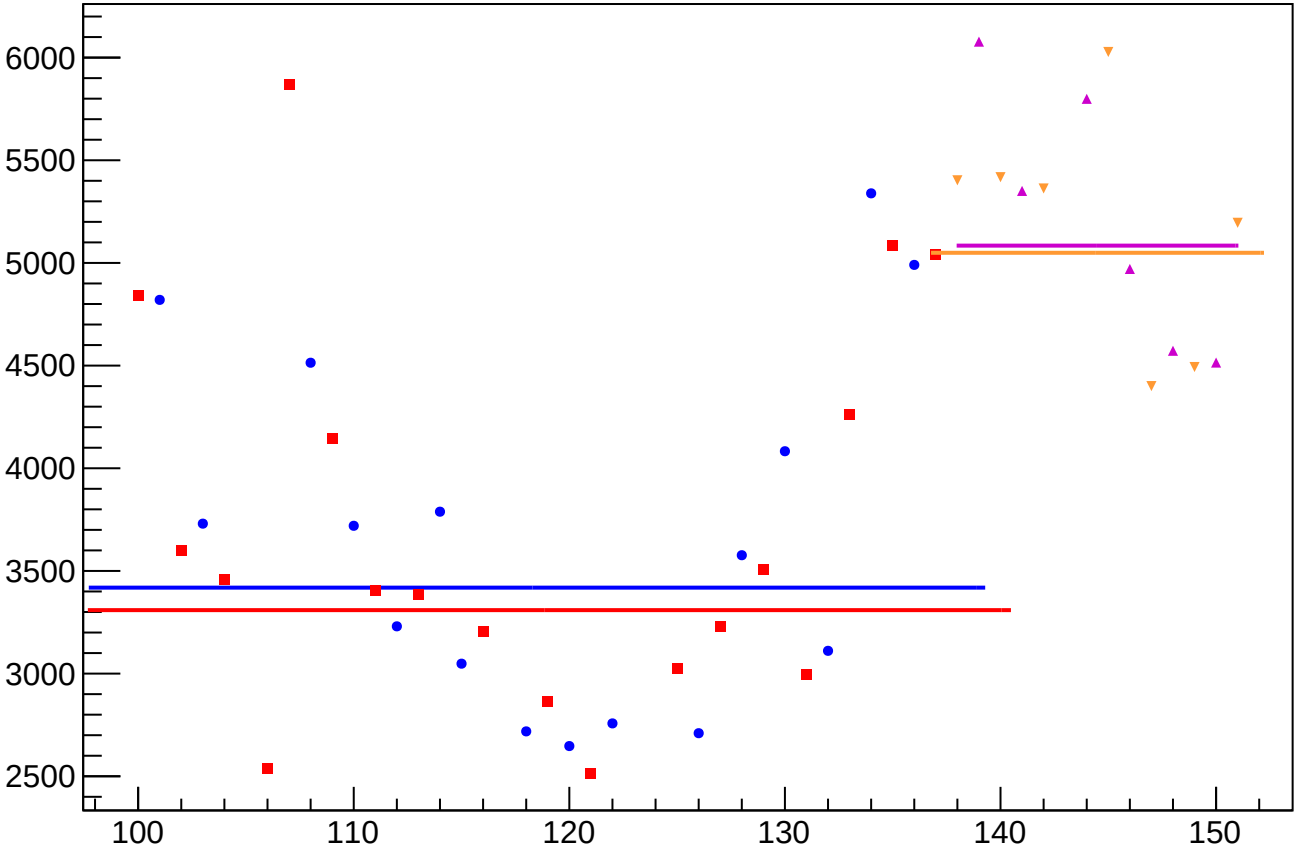
Left In: -961.544+/-2235.200 χ^2/NDF:1.2/5

+ sign 125.511+/-1124.758 χ^2/NDF: 27.7/22

All: -348.365+/-782.606 χ^2/NDF: 48.5/46

- sign -793.099+/-1089.623 χ^2/NDF: 20.4/23

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5049.414+/-1.556 χ^2/NDF:122628.5/6

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

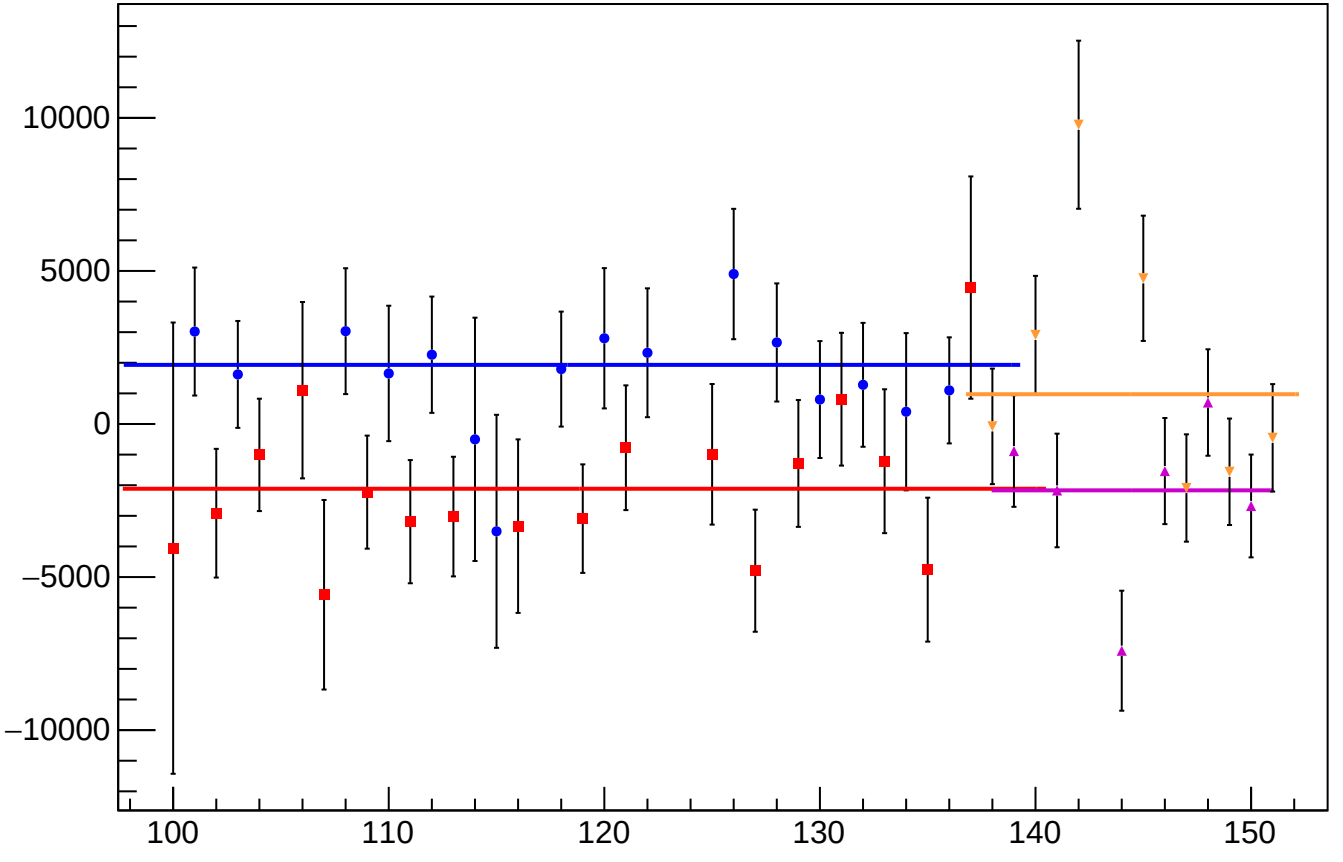
Left In: 5084.314+/-1.581 χ^2/NDF:126718.6/5

+ sign 3844.874+/-0.795 χ^2/NDF: 1655401.4/22

All: 3786.116+/-0.553 χ^2/NDF: 3326370.1/46

- sign 3730.971+/-0.770 χ^2/NDF: 1660387.9/23

eigen_dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 972.835+/-725.215 χ^2/NDF:20.9/6

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

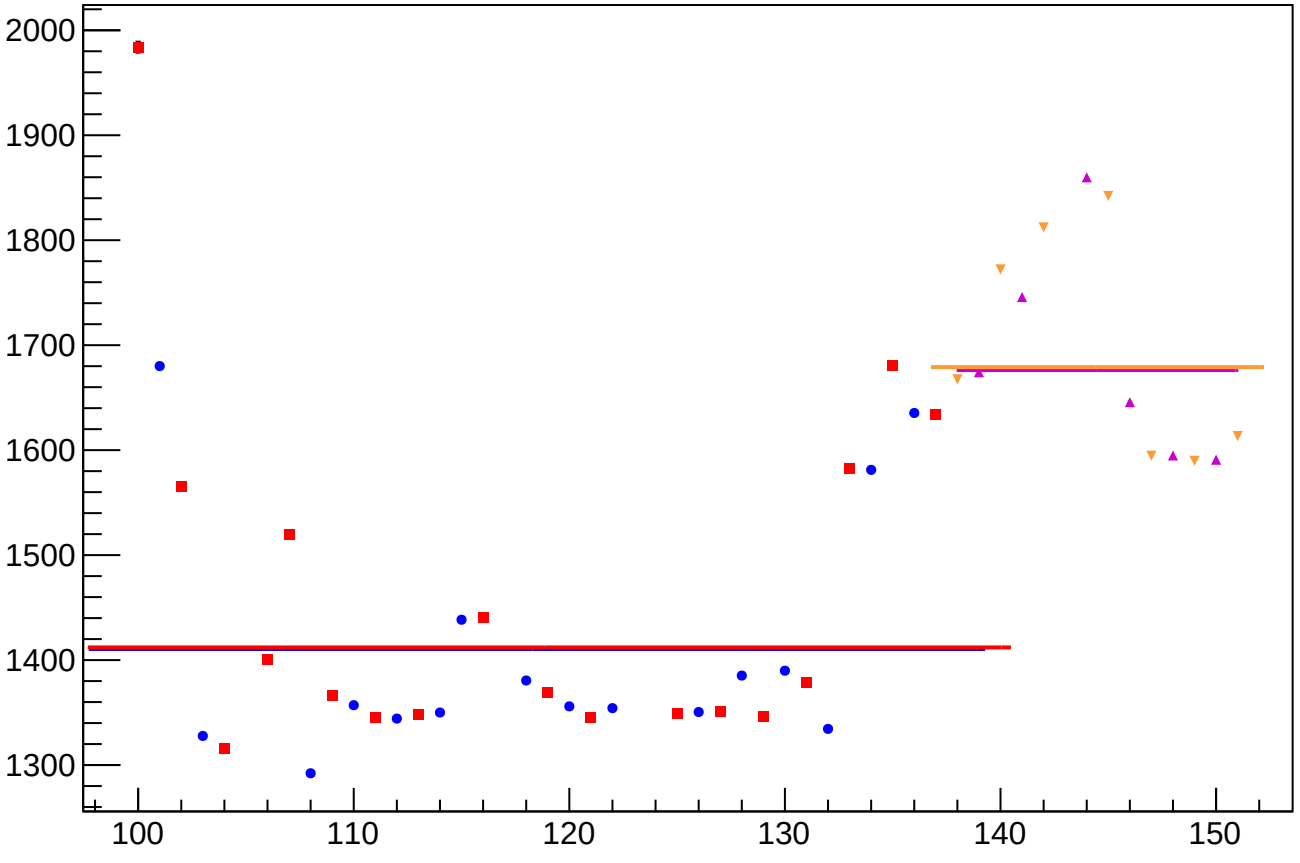
Left In: -2167.586+/-731.308 χ^2/NDF:10.6/5

+ sign 1600.120+/-426.396 χ^2/NDF: 28.4/22

All: -257.288+/-302.253 χ^2/NDF: 90.3/46

- sign -2133.183+/-428.512 χ^2/NDF: 23.8/23

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1679.095+/-0.513 χ^2/NDF:34858.1/6

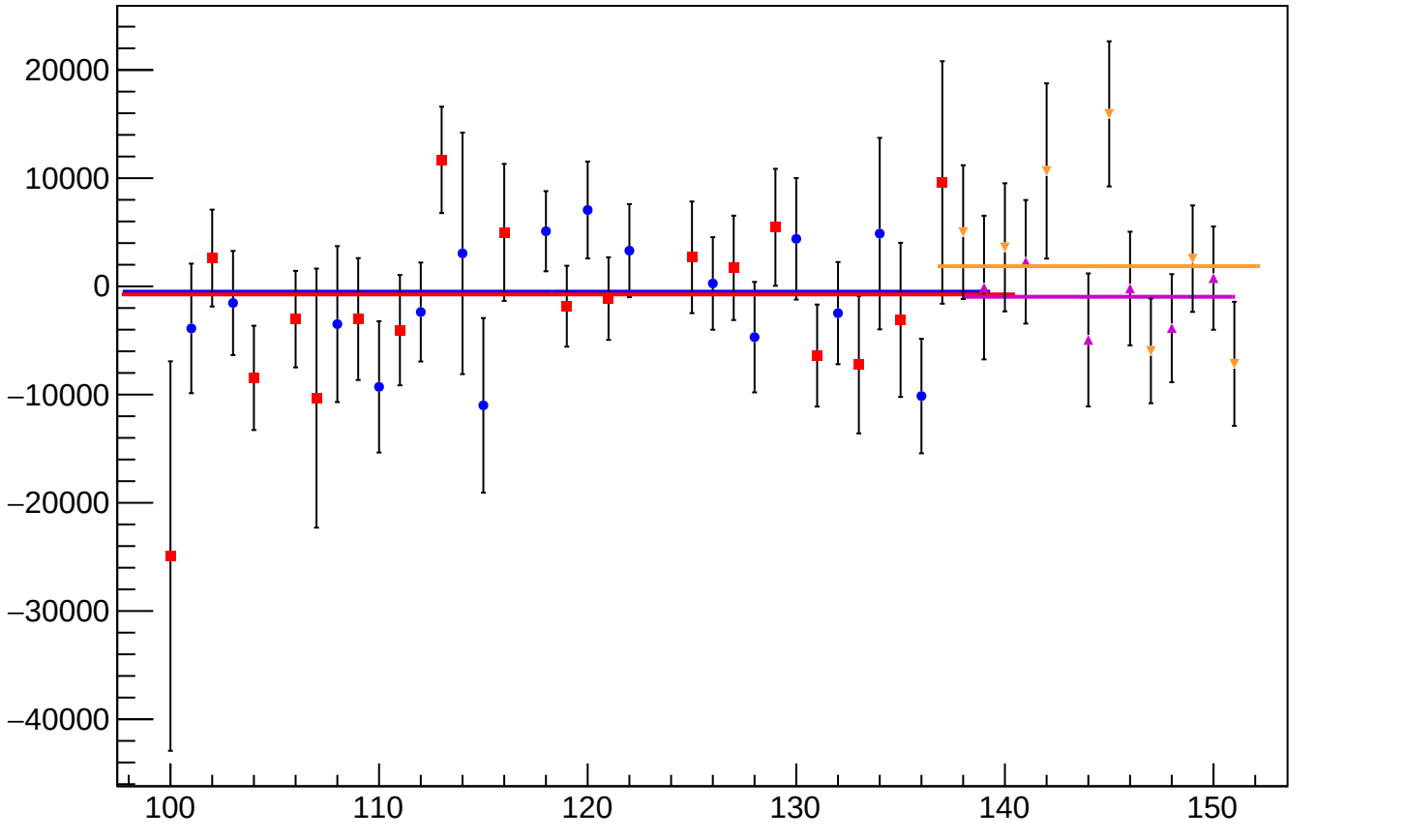
Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1676.306+/-0.517 χ^2/NDF:30537.0/5

+ sign 1503.414+/-0.302 χ^2/NDF: 313383.6/22

All: 1502.939+/-0.214 χ^2/NDF: 605429.3/46

- sign 1502.460+/-0.302 χ^2/NDF: 292040.7/23



Right In: -489.395+/-1308.688 χ^2/NDF: 15.8/15

Left Out: 1863.498+/-2200.164 χ^2/NDF:11.0/6

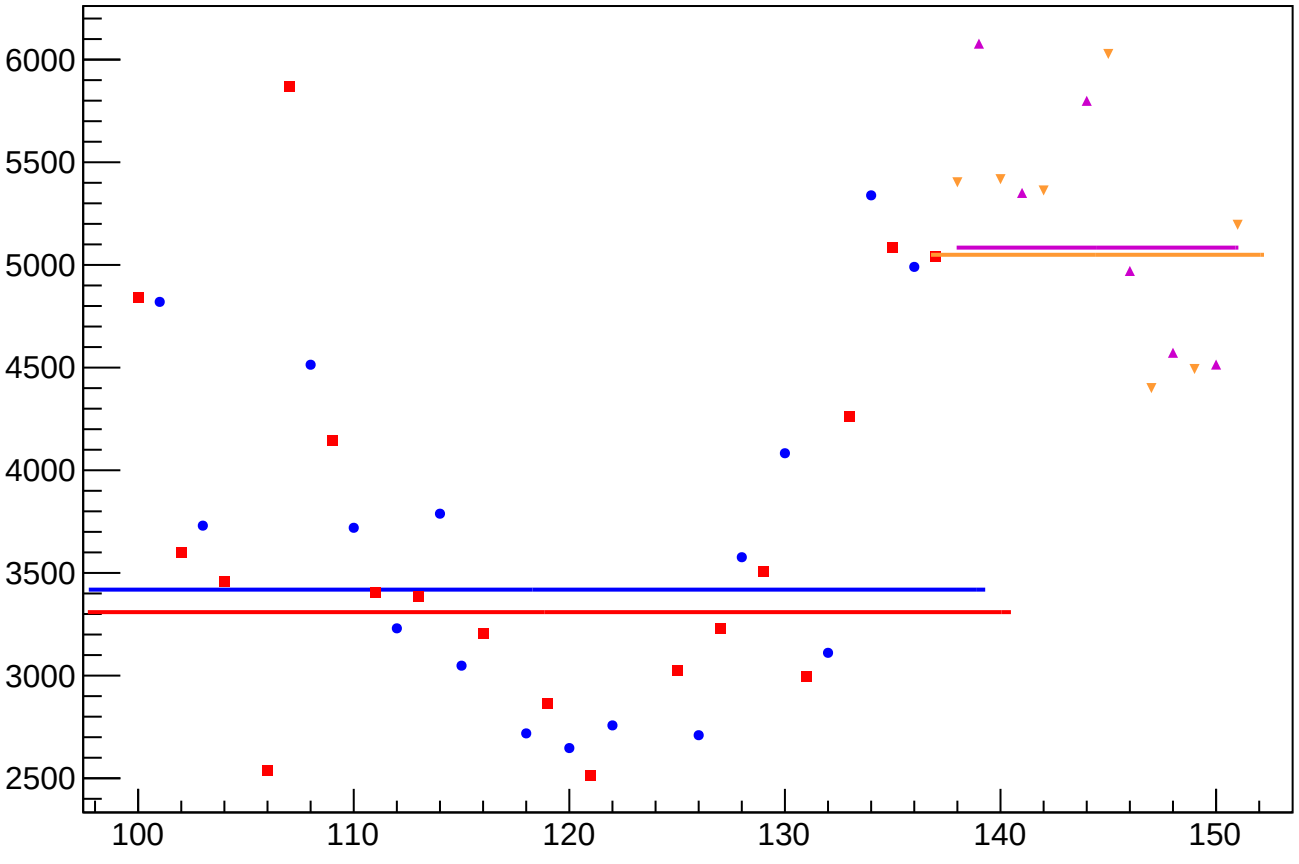
Right Out: -740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: -961.546+/-2235.203 χ^2/NDF:1.2/5

+ sign 125.510+/-1124.756 χ^2/NDF: 27.7/22

All: -348.367+/-782.605 χ^2/NDF: 48.5/46

- sign -793.101+/-1089.621 χ^2/NDF: 20.4/23



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5049.420+/-1.556 χ^2/NDF:122630.8/6

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

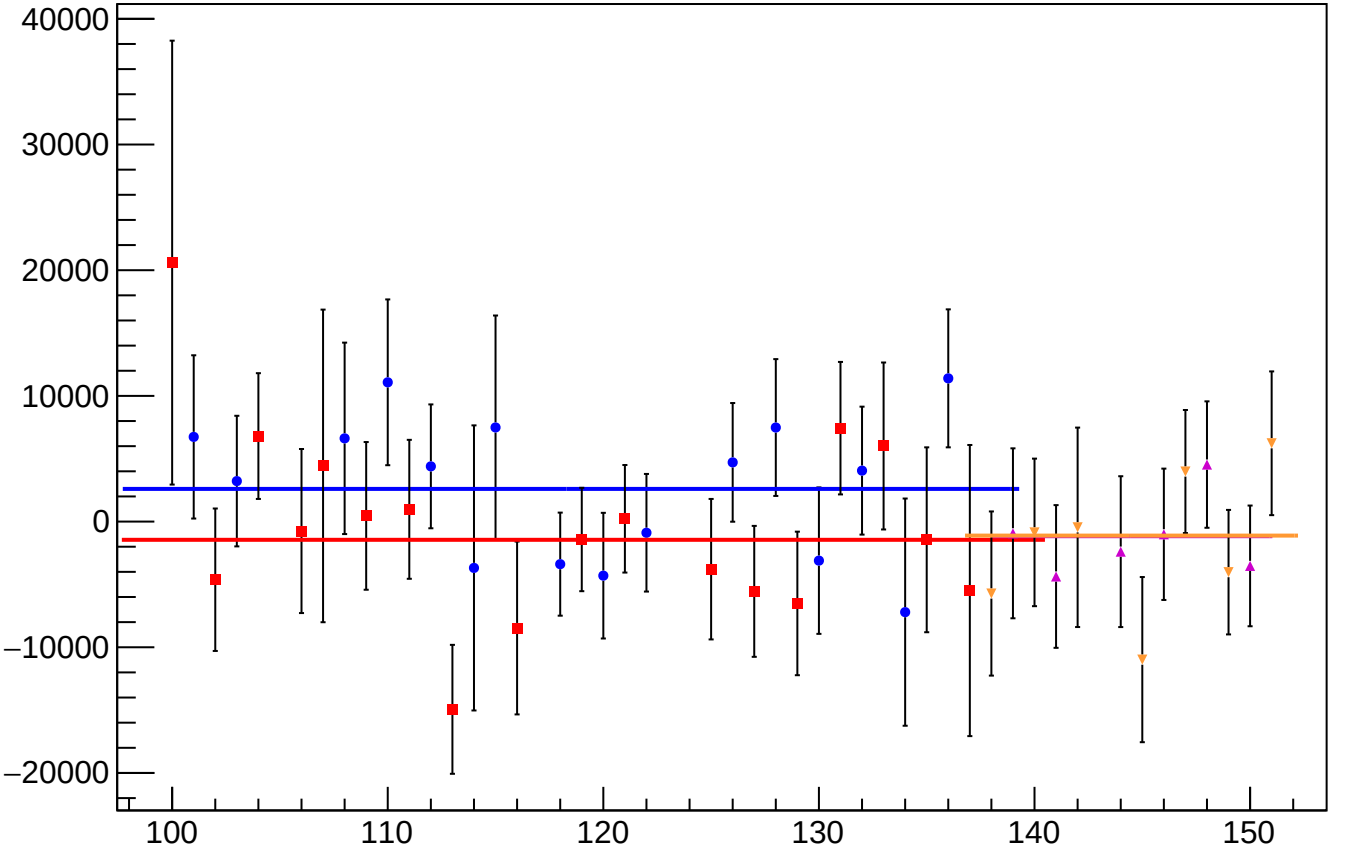
Left In: 5084.320+/-1.581 χ^2/NDF:126720.9/5

+ sign 3844.865+/-0.795 χ^2/NDF: 1655429.1/22

All: 3786.107+/-0.553 χ^2/NDF: 3326420.3/46

- sign 3730.962+/-0.770 χ^2/NDF: 1660410.5/23

asym_usl_atl2_avg_mean vs Slug



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: -1115.150+/-2210.847 χ^2/NDF:5.8/6

Right Out: -1450.418+/-1382.818 χ^2/NDF: 19.0/17

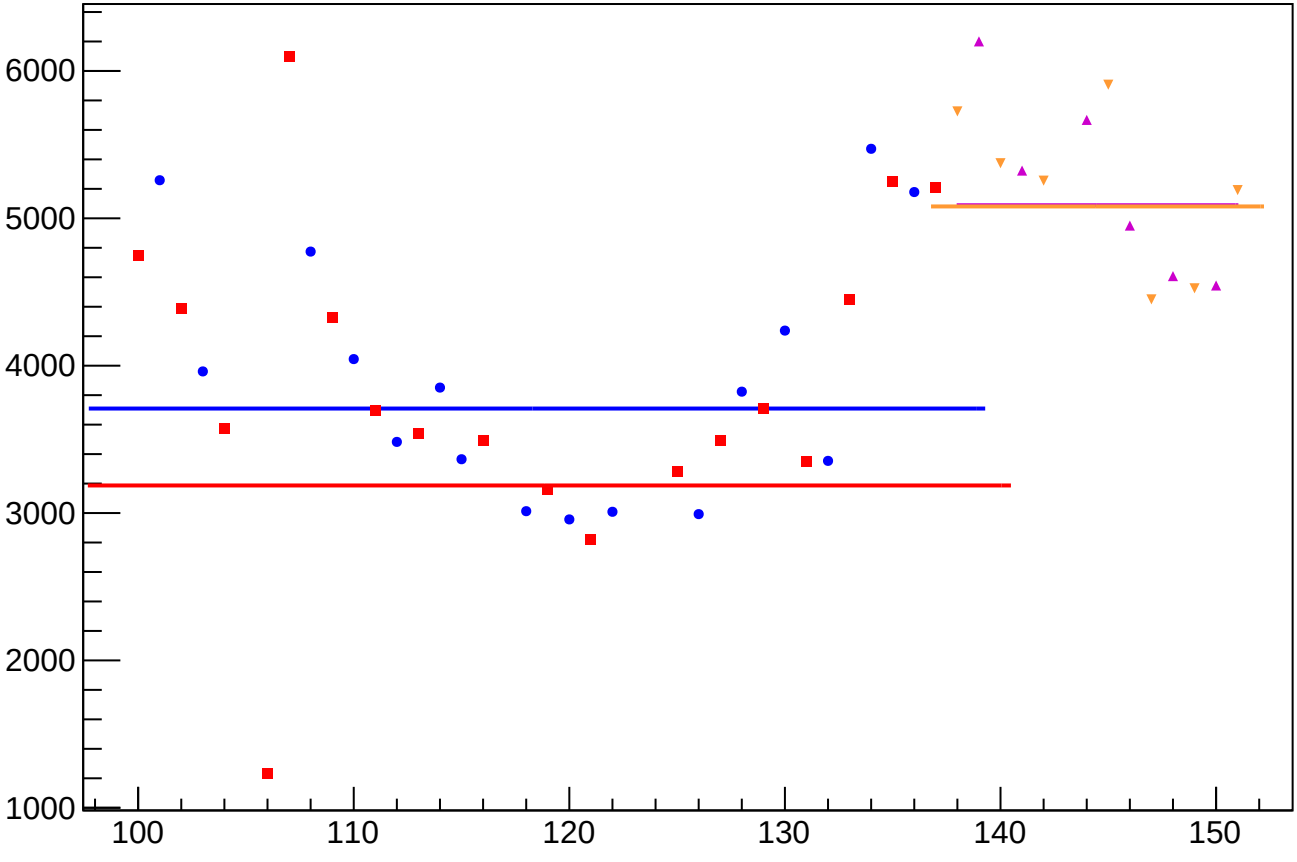
Left In: -1163.688+/-2234.911 χ^2/NDF:1.9/5

+ sign 1520.668+/-1191.500 χ^2/NDF: 21.3/22

All: 55.793+/-836.957 χ^2/NDF: 45.2/46

- sign -1371.038+/-1175.926 χ^2/NDF: 20.9/23

asym_usl_atl2_avg_rms vs Slug



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5080.625+/-1.563 χ^2/NDF:116189.4/6

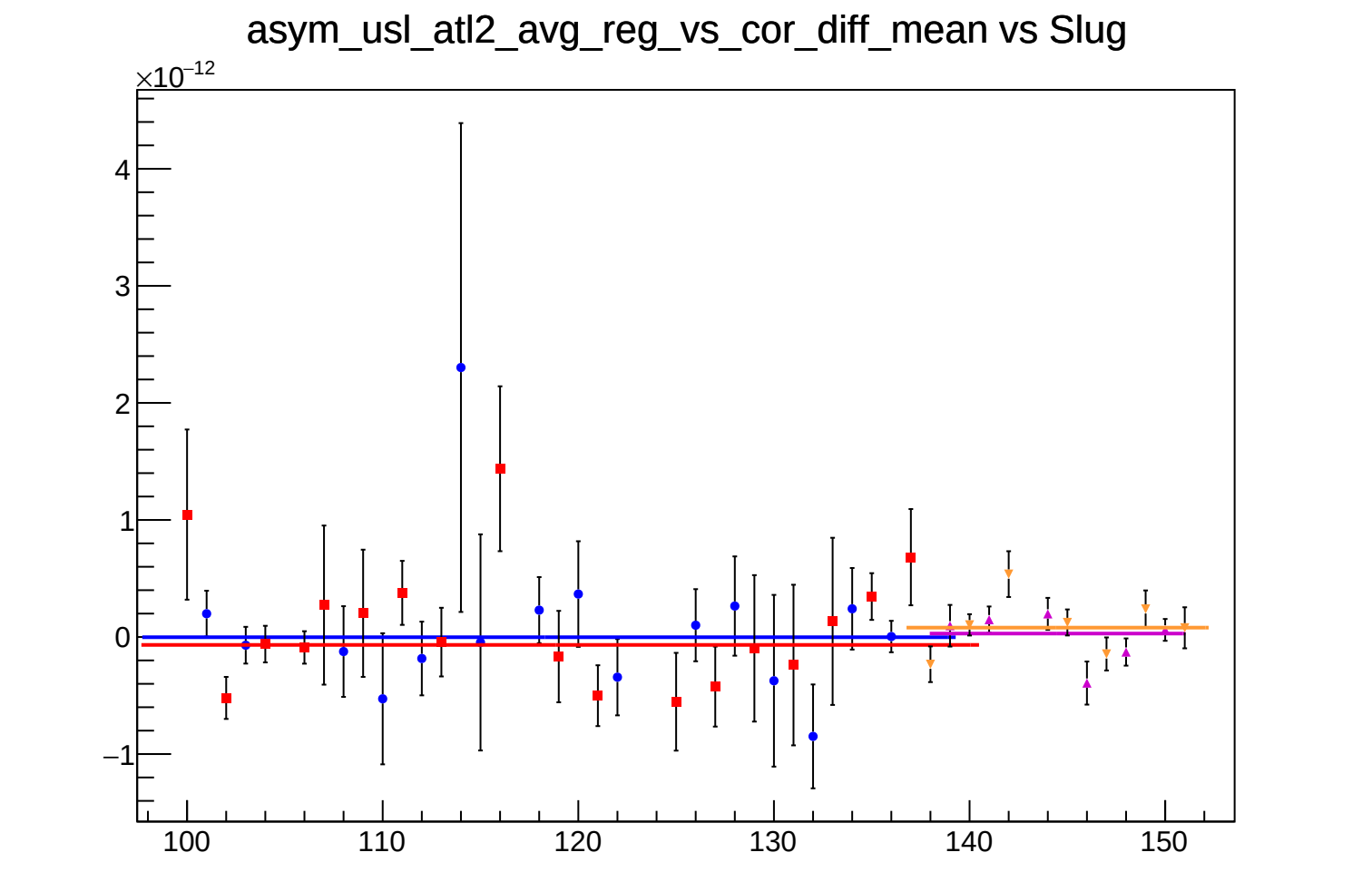
Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

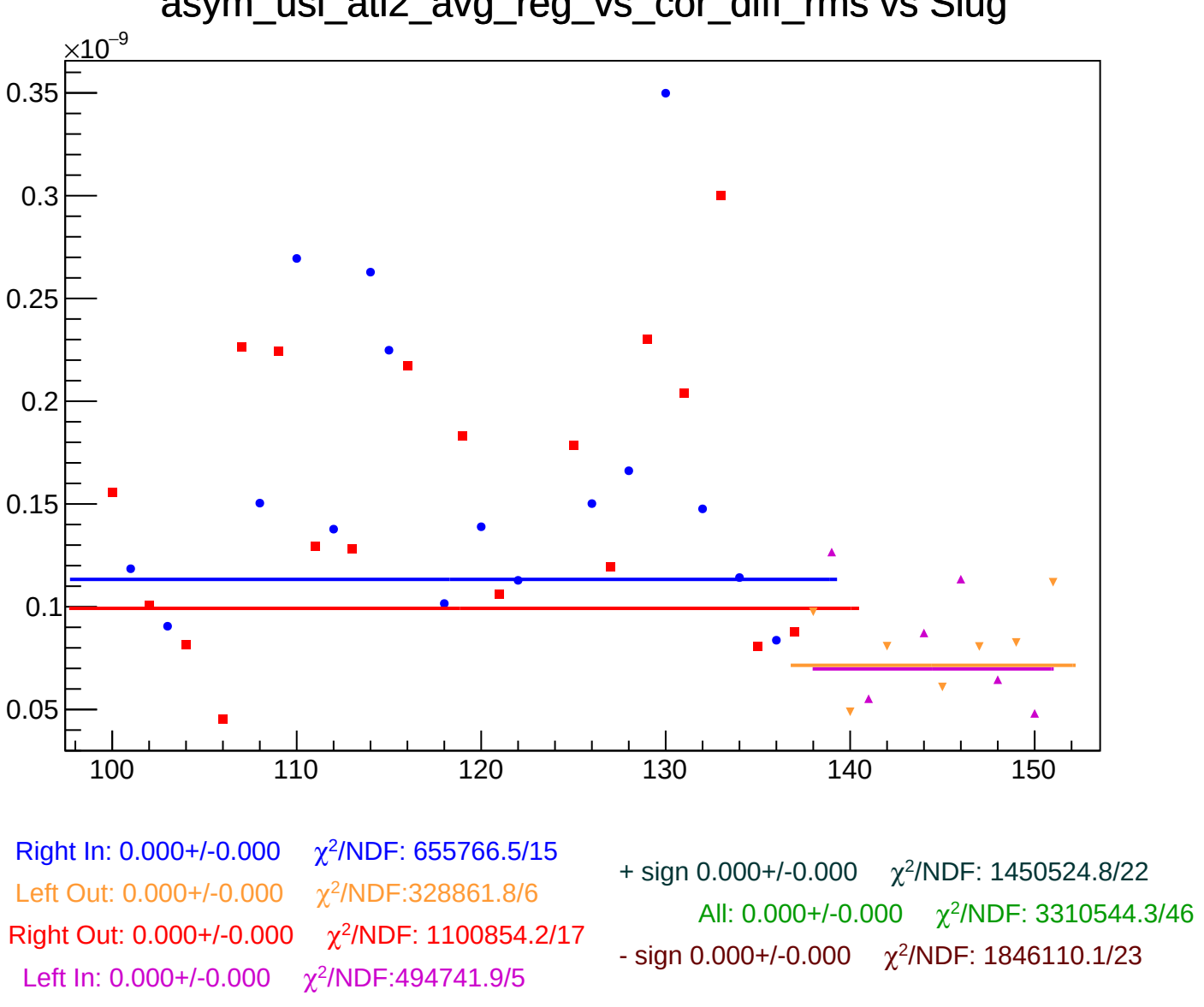
Left In: 5088.907+/-1.580 χ^2/NDF:121579.5/5

+ sign 4107.496+/-0.843 χ^2/NDF: 1272923.0/22

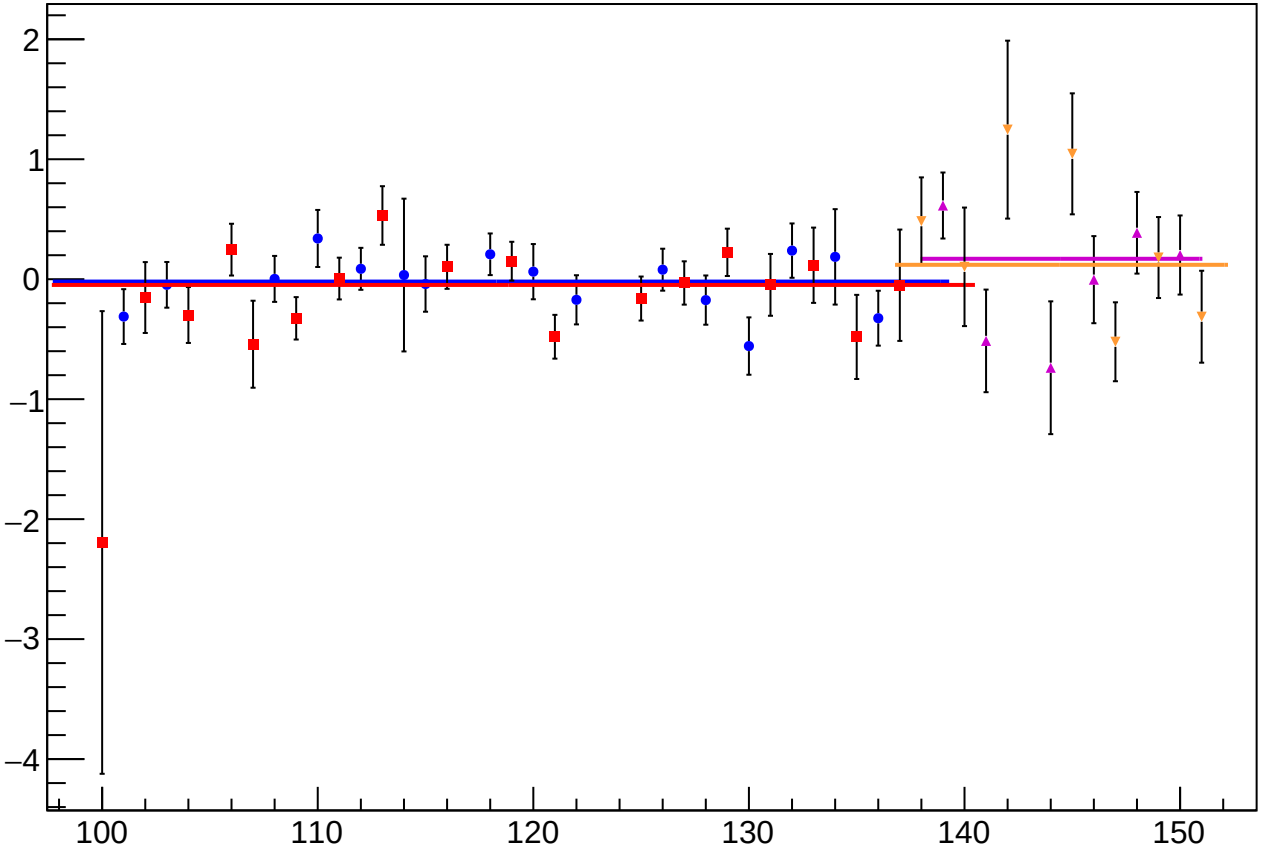
All: 3860.611+/-0.572 χ^2/NDF: 4260724.3/46

- sign 3649.465+/-0.779 χ^2/NDF: 2828494.6/23


asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 11.1/15
Left Out: 0.000+/-0.000 χ²/NDF:13.5/6
Right Out: -0.000+/-0.000 χ²/NDF: 29.5/17
Left In: 0.000+/-0.000 χ²/NDF:10.0/5
+ sign 0.000+/-0.000 χ²/NDF: 25.5/22
All: 0.000+/-0.000 χ²/NDF: 67.4/46
- sign -0.000+/-0.000 χ²/NDF: 40.9/23


asym_usl_atl2_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 655766.5/15
Left Out: 0.000+/-0.000 χ²/NDF:328861.8/6
Right Out: 0.000+/-0.000 χ²/NDF: 1100854.2/17
Left In: 0.000+/-0.000 χ²/NDF:494741.9/5
+ sign 0.000+/-0.000 χ²/NDF: 1450524.8/22
All: 0.000+/-0.000 χ²/NDF: 3310544.3/46
- sign 0.000+/-0.000 χ²/NDF: 1846110.1/23

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: 0.120+/-0.154 χ^2/NDF:11.8/6

Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

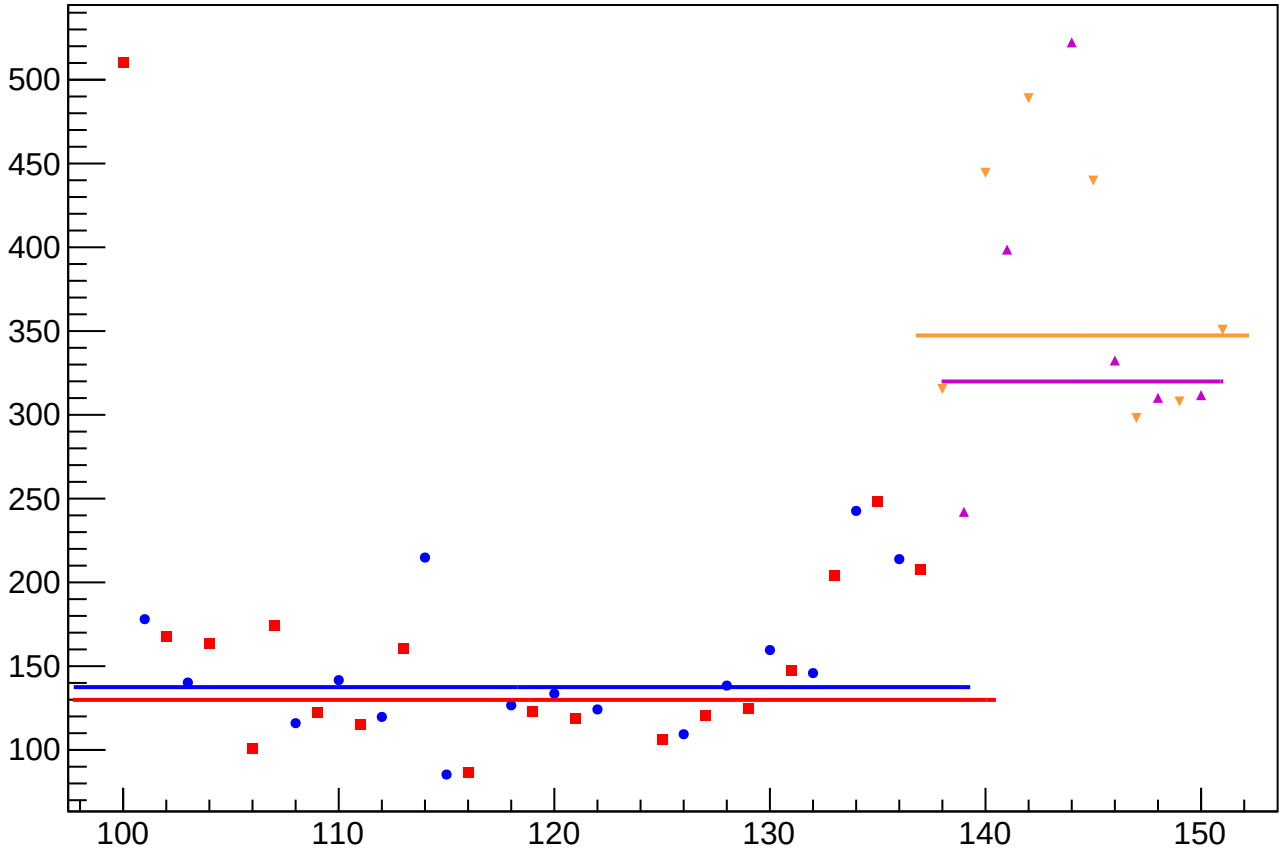
Left In: 0.170+/-0.145 χ^2/NDF:8.5/5

+ sign -0.004+/-0.051 χ^2/NDF: 28.5/22

All: -0.014+/-0.036 χ^2/NDF: 65.4/46

- sign -0.023+/-0.049 χ^2/NDF: 36.8/23

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 347.373+/-0.109 χ^2/NDF:304954.8/6

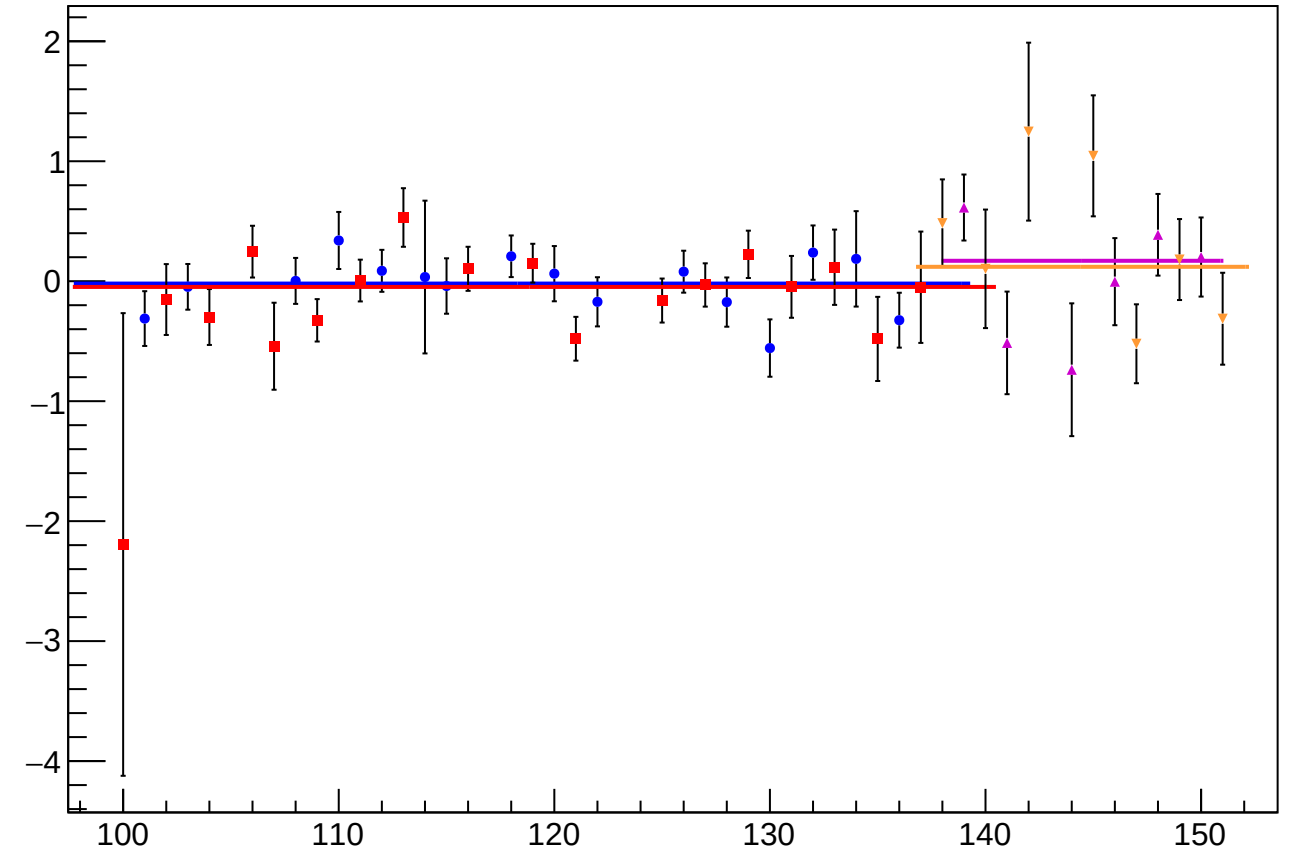
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 319.909+/-0.103 χ^2/NDF:500376.3/5

\+ sign 160.634+/-0.036 χ^2/NDF: 4303931.7/22

All: 156.076+/-0.025 χ^2/NDF: 8694597.6/46

\- sign 151.825+/-0.035 χ^2/NDF: 4359947.1/23



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.120+/-0.154 χ^2/NDF:11.8/6

Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

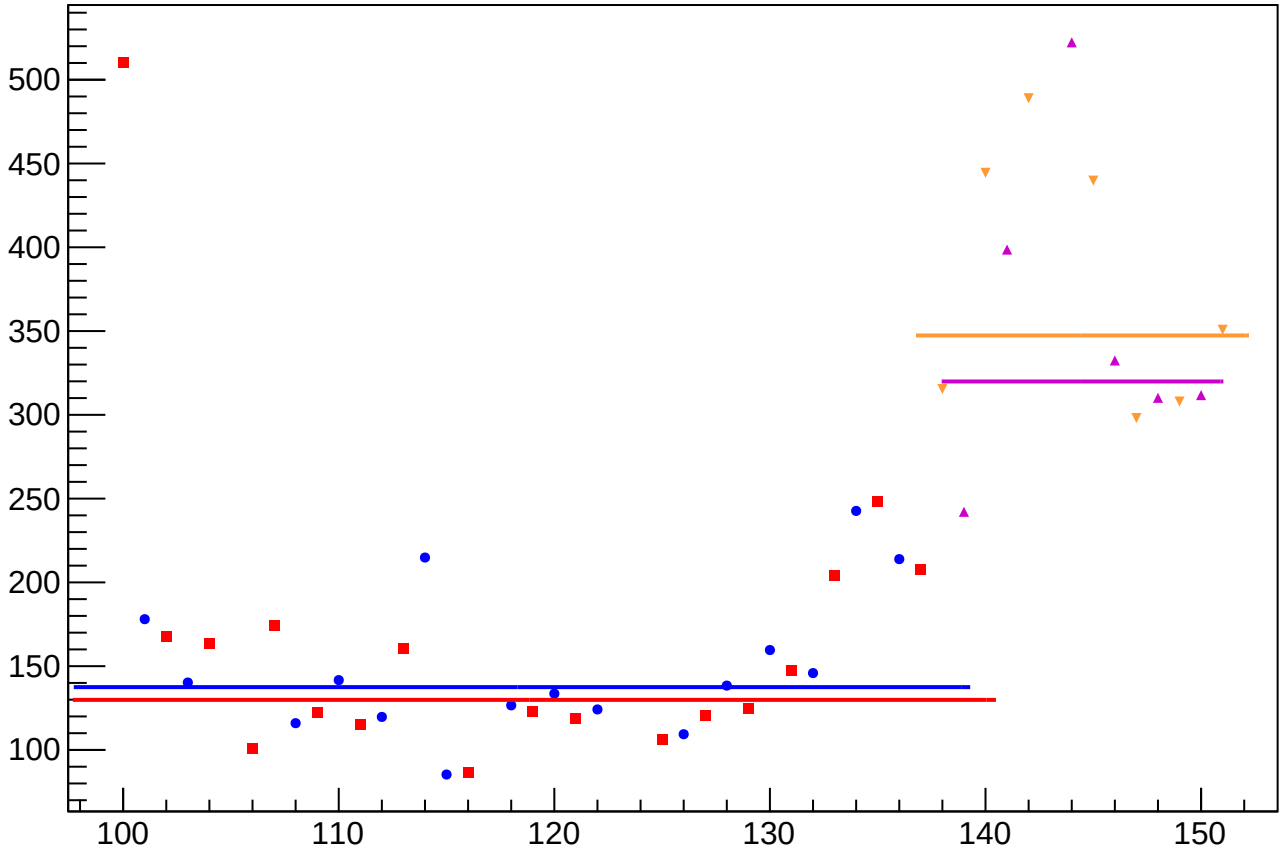
Left In: 0.170+/-0.145 χ^2/NDF:8.5/5

+ sign -0.004+/-0.051 χ^2/NDF: 28.5/22

All: -0.014+/-0.036 χ^2/NDF: 65.4/46

- sign -0.023+/-0.049 χ^2/NDF: 36.8/23

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 347.373+/-0.109 χ^2/NDF:304954.8/6

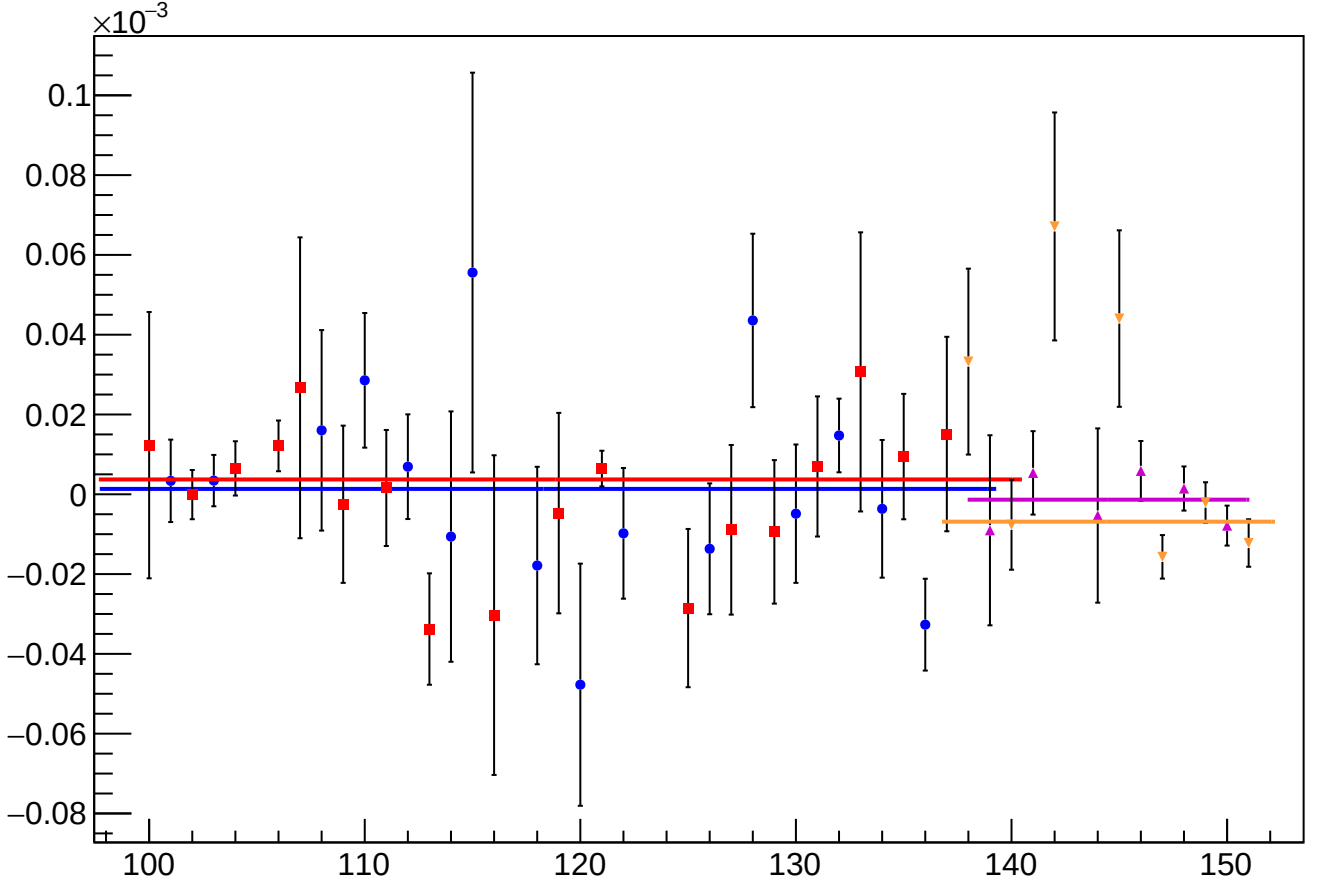
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 319.909+/-0.103 χ^2/NDF:500376.3/5

+ sign 160.634+/-0.036 χ^2/NDF: 4303931.7/22

All: 156.076+/-0.025 χ^2/NDF: 8694597.6/46

- sign 151.825+/-0.035 χ^2/NDF: 4359947.1/23



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.3/6

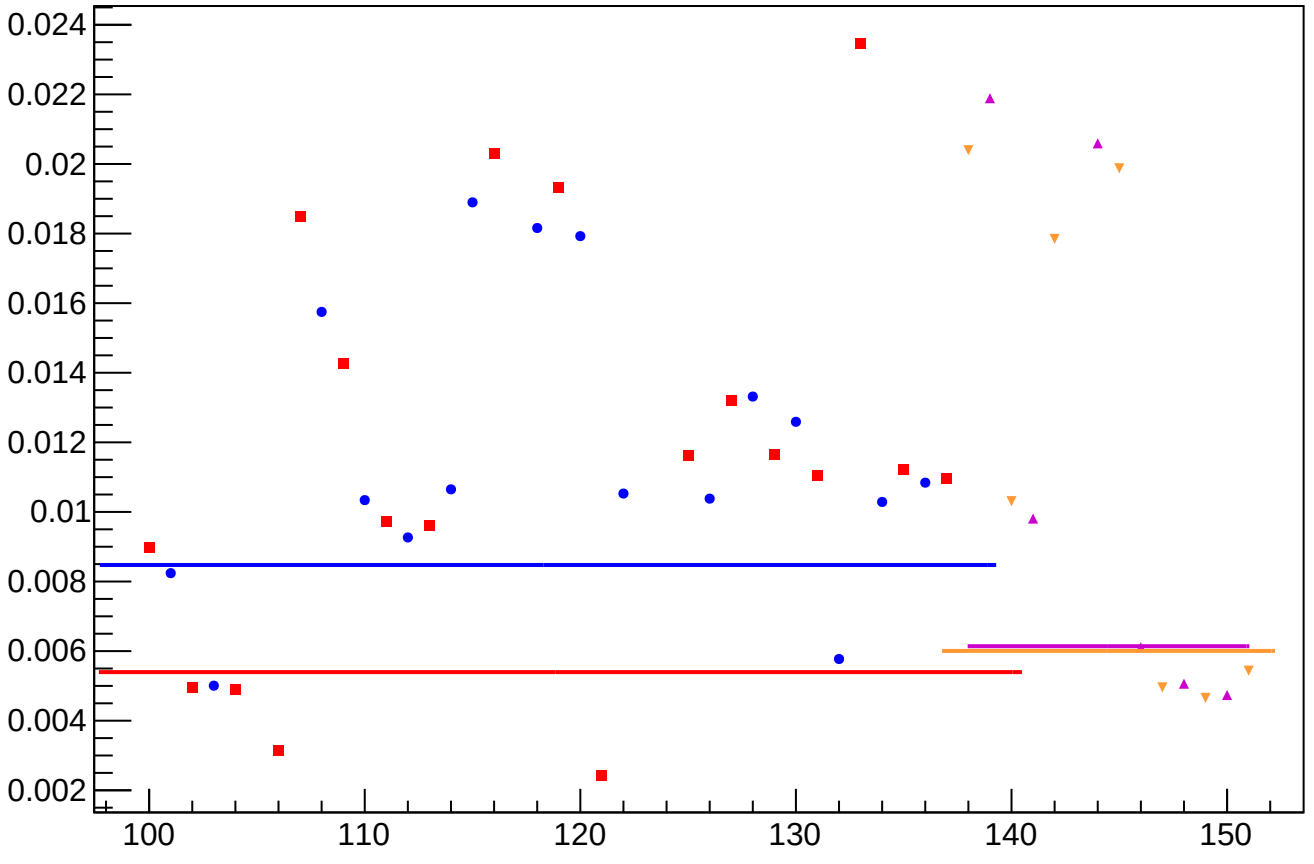
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: -0.000+/-0.000 χ^2/NDF:3.4/5

+ sign -0.000+/-0.000 χ^2/NDF: 46.5/22

All: -0.000+/-0.000 χ^2/NDF: 70.2/46

- sign 0.000+/-0.000 χ^2/NDF: 20.8/23



Right In: 0.008+/-0.000 χ^2/NDF: 1925998.4/15

Left Out: 0.006+/-0.000 χ^2/NDF:2416854.0/6

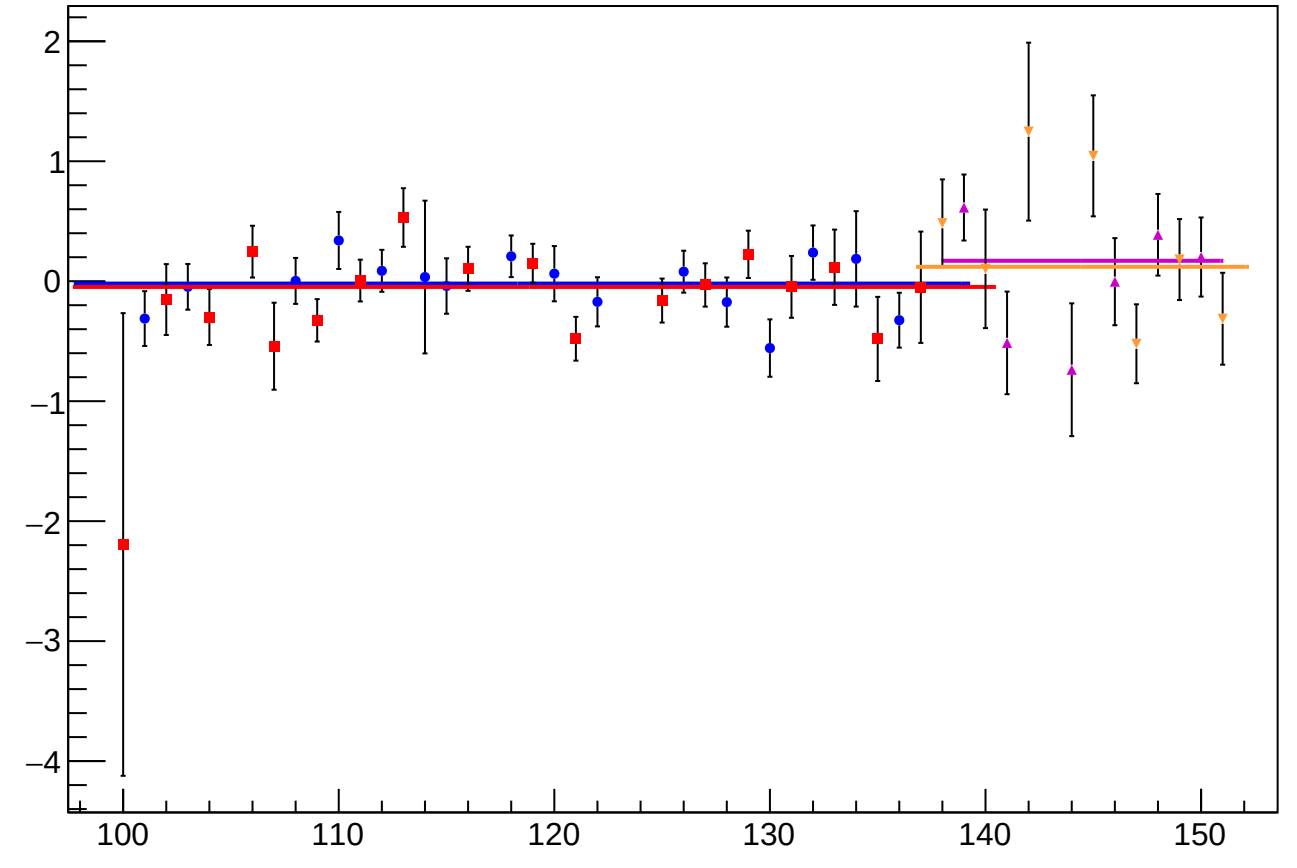
Right Out: 0.005+/-0.000 χ^2/NDF: 4909074.3/17

Left In: 0.006+/-0.000 χ^2/NDF:2228479.0/5

+ sign 0.007+/-0.000 χ^2/NDF: 4931919.6/22

All: 0.006+/-0.000 χ^2/NDF: 12556831.5/46

- sign 0.006+/-0.000 χ^2/NDF: 7206500.4/23



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.120+/-0.154 χ^2/NDF:11.8/6

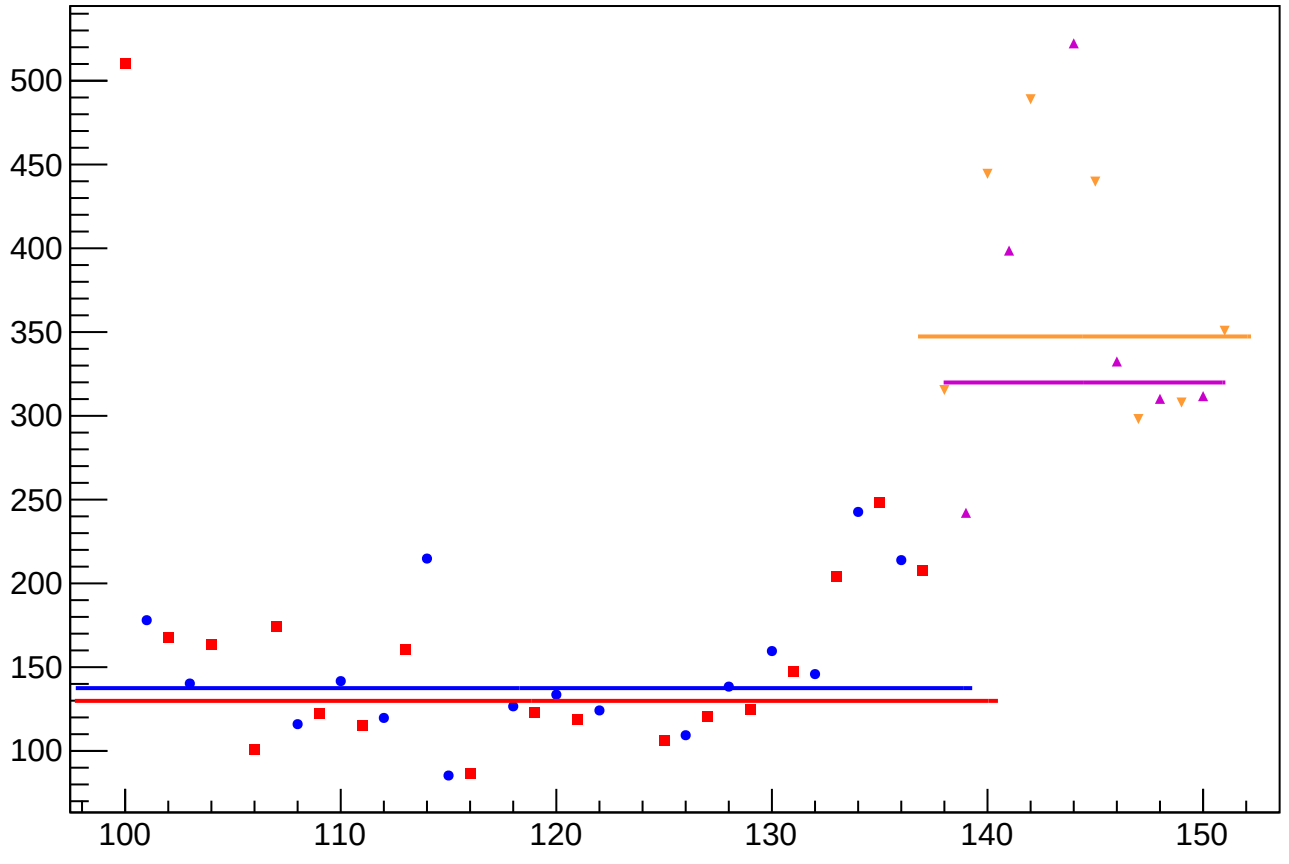
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.170+/-0.145 χ^2/NDF:8.5/5

+ sign -0.004+/-0.051 χ^2/NDF: 28.5/22

All: -0.014+/-0.036 χ^2/NDF: 65.4/46

- sign -0.023+/-0.049 χ^2/NDF: 36.8/23



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 347.375+/-0.109 χ^2/NDF:304981.4/6

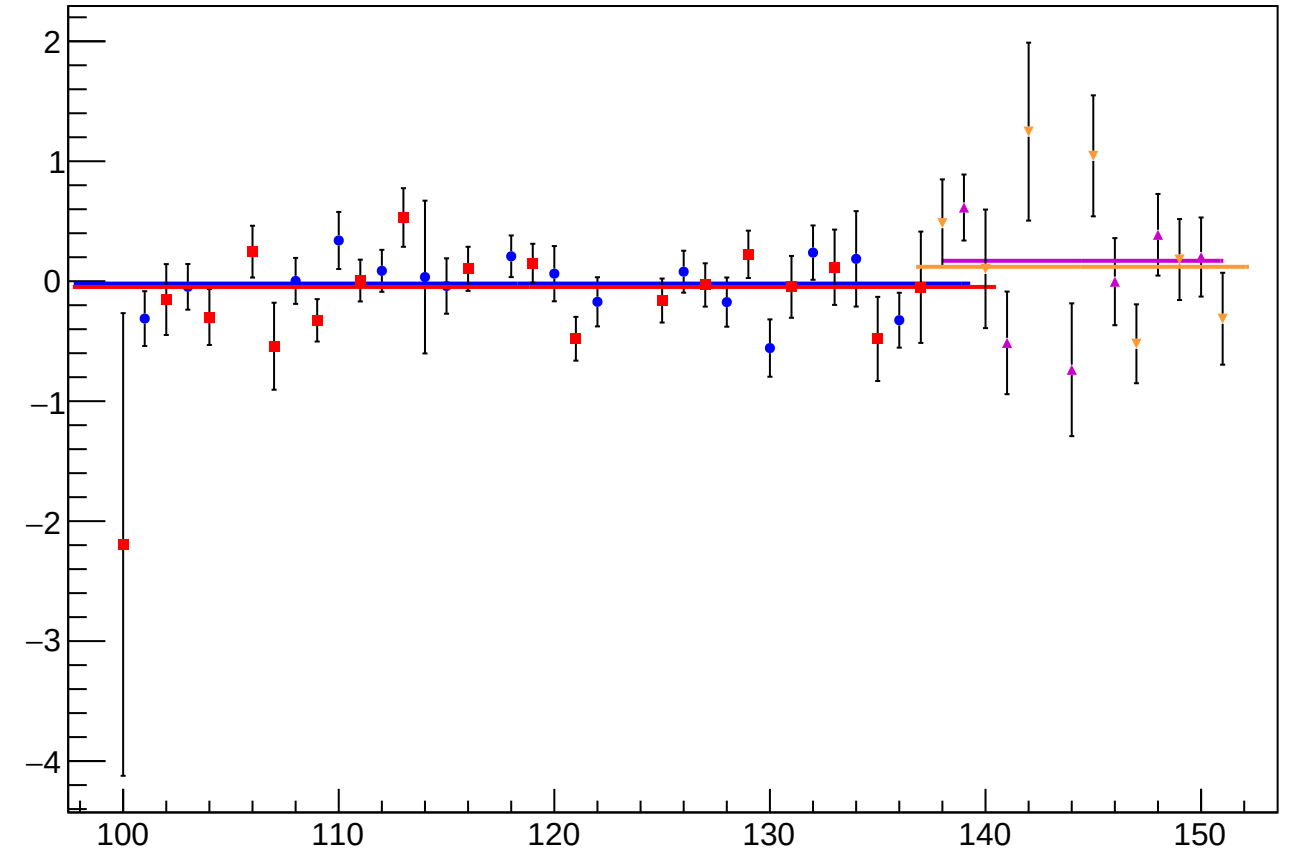
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 319.913+/-0.103 χ^2/NDF:500358.2/5

+ sign 160.634+/-0.036 χ^2/NDF: 4303970.2/22

All: 156.075+/-0.025 χ^2/NDF: 8694640.9/46

- sign 151.825+/-0.035 χ^2/NDF: 4359953.1/23



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.120+/-0.154 χ^2/NDF:11.8/6

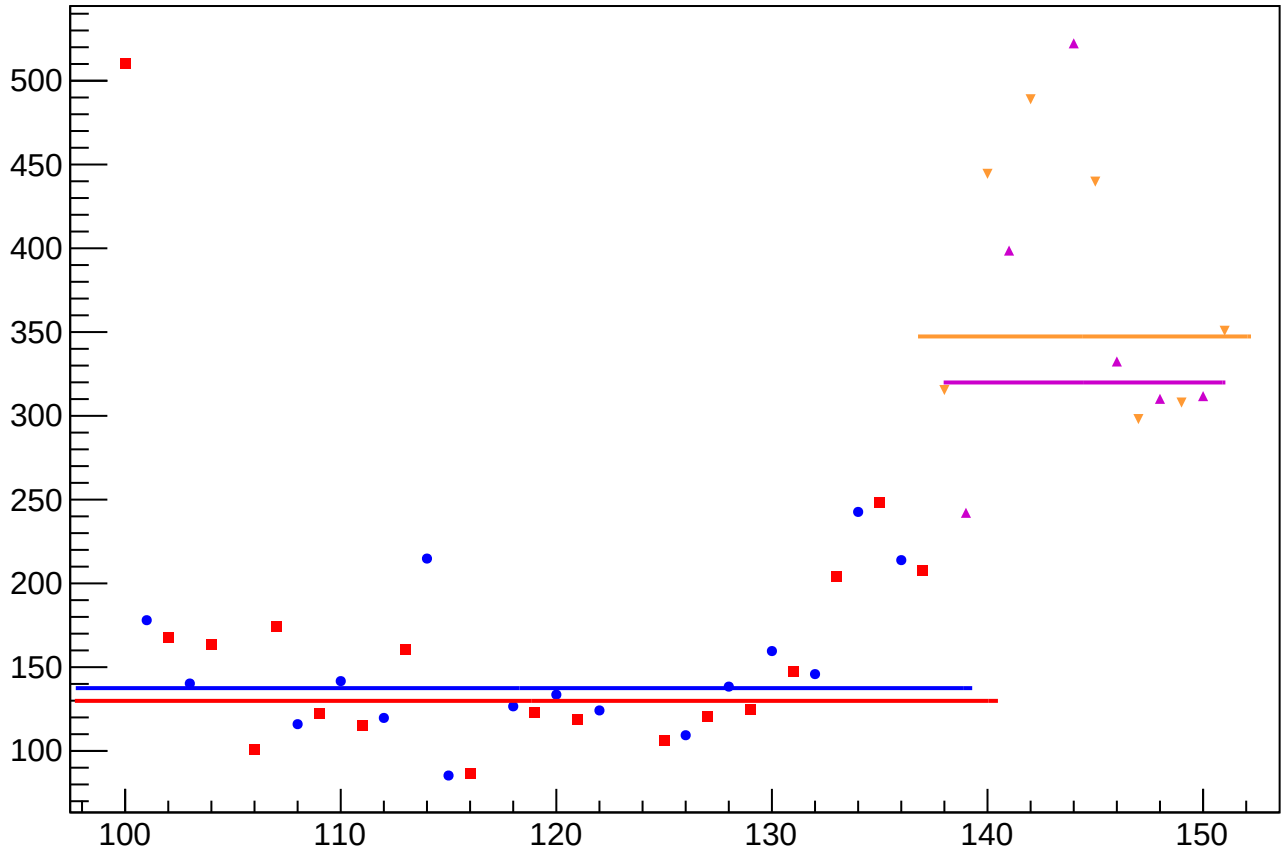
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.170+/-0.145 χ^2/NDF:8.5/5

+ sign -0.004+/-0.051 χ^2/NDF: 28.5/22

All: -0.014+/-0.036 χ^2/NDF: 65.4/46

- sign -0.023+/-0.049 χ^2/NDF: 36.8/23



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 347.375+/-0.109 χ^2/NDF:304981.4/6

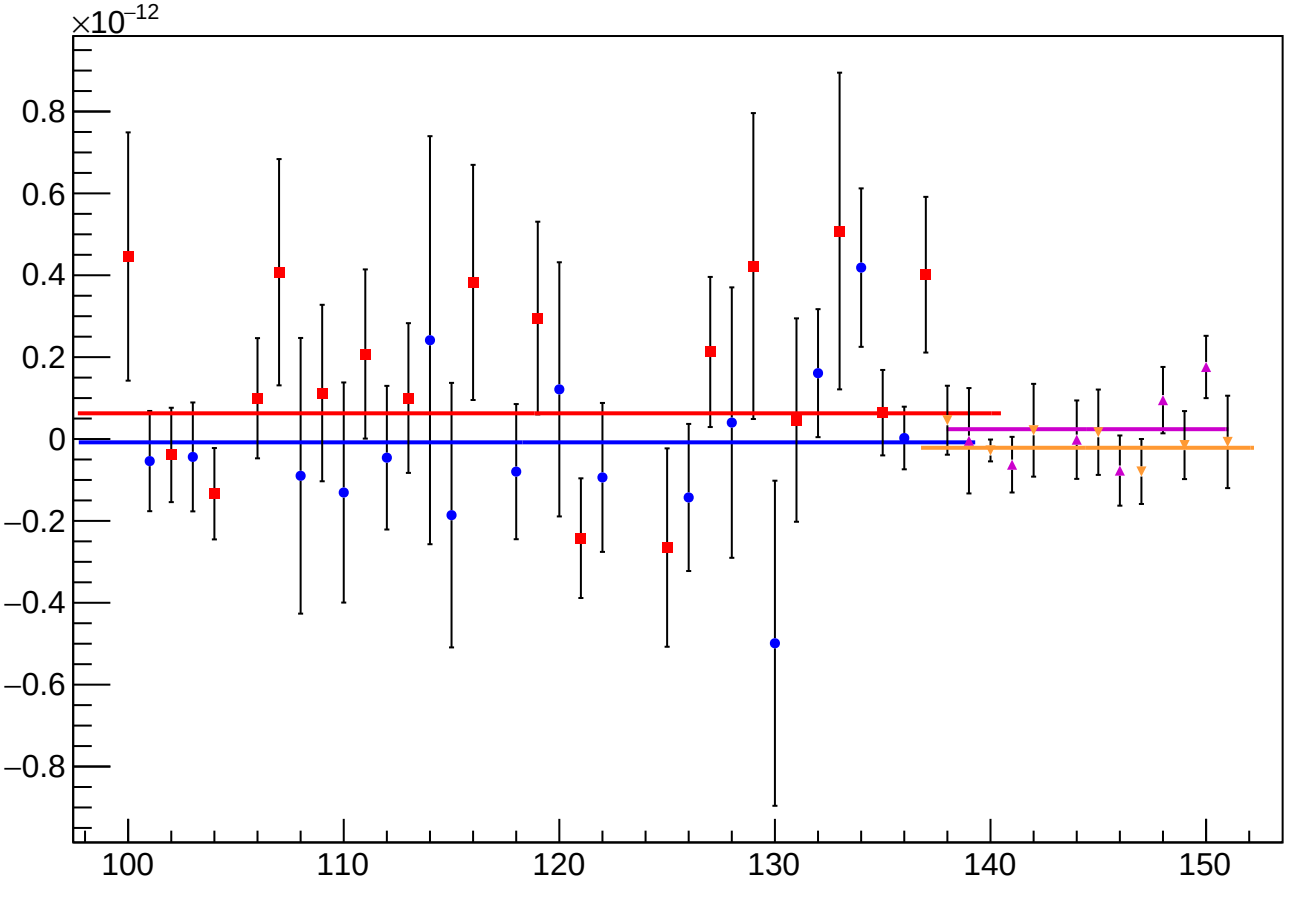
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 319.913+/-0.103 χ^2/NDF:500358.2/5

+ sign 160.634+/-0.036 χ^2/NDF: 4303970.2/22

All: 156.075+/-0.025 χ^2/NDF: 8694640.9/46

- sign 151.825+/-0.035 χ^2/NDF: 4359953.1/23



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.5/6

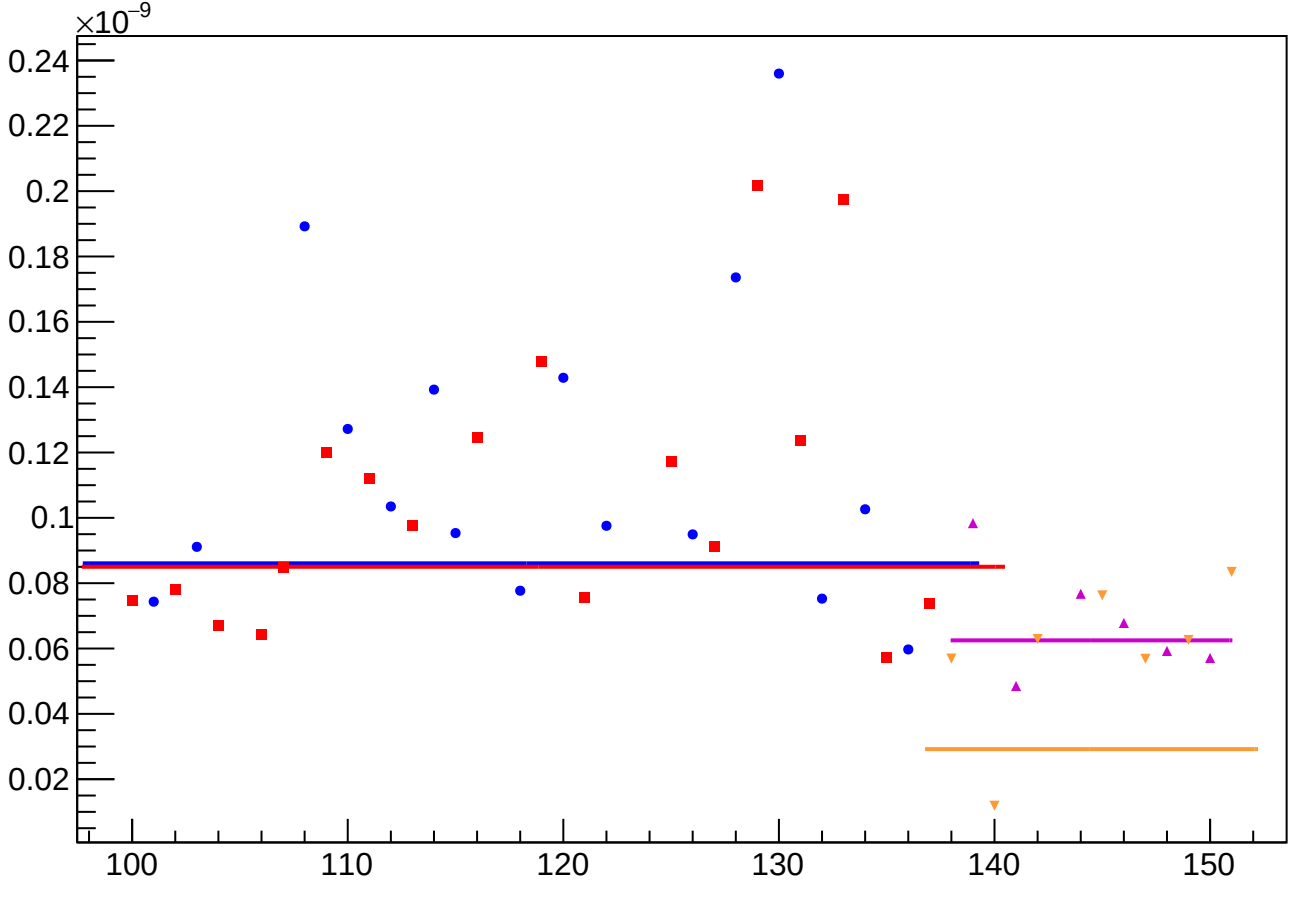
Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/17

Left In: 0.000+/-0.000 χ^2/NDF:7.9/5

+ sign -0.000+/-0.000 χ^2/NDF: 11.4/22

All: 0.000+/-0.000 χ^2/NDF: 45.1/46

- sign 0.000+/-0.000 χ^2/NDF: 30.6/23



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2672959.4/6

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

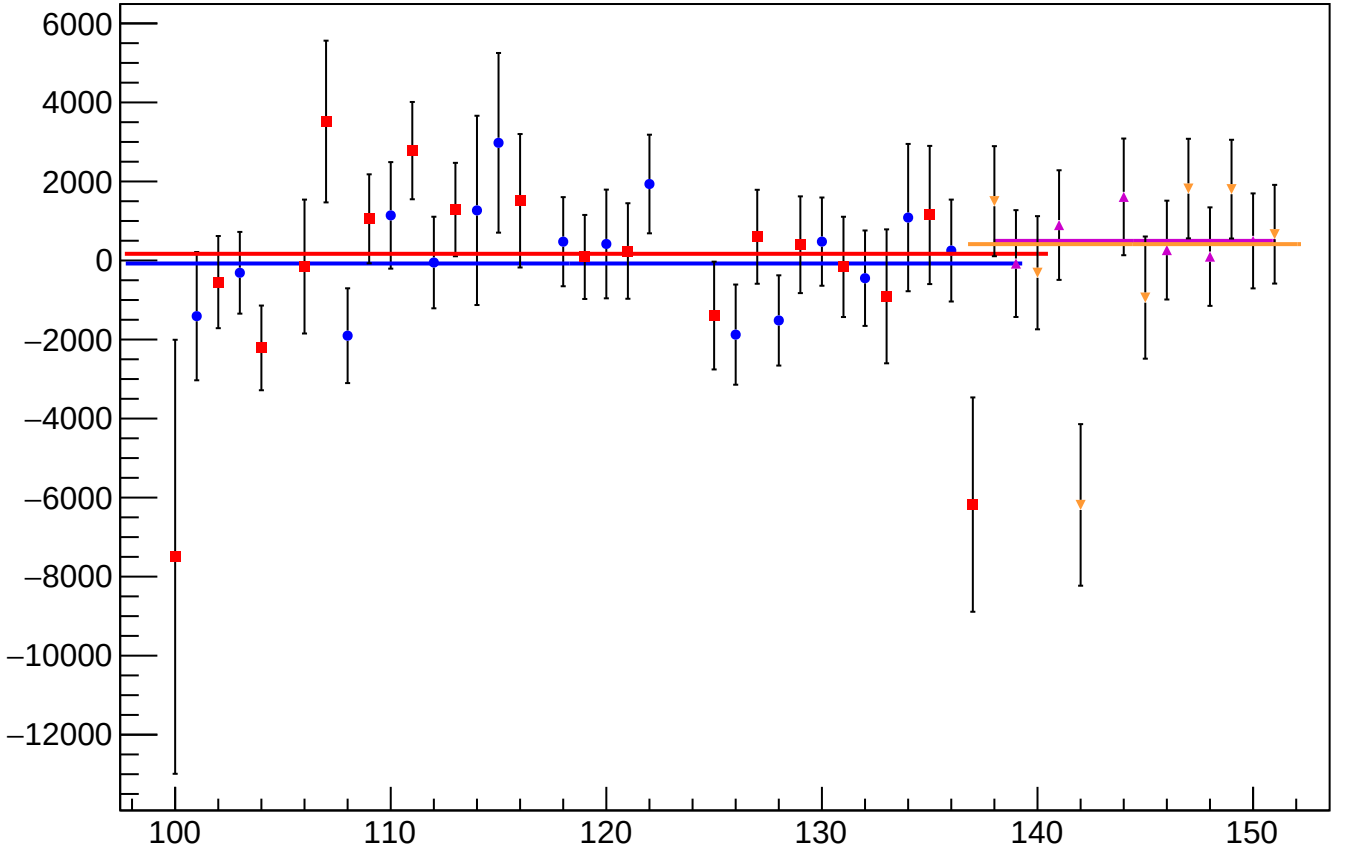
Left In: 0.000+/-0.000 χ^2/NDF:305199.0/5

+ sign 0.000+/-0.000 χ^2/NDF: 6581011.3/22

All: 0.000+/-0.000 χ^2/NDF: 9938659.5/46

- sign 0.000+/-0.000 χ^2/NDF: 1635745.6/23

reg_asym_usl_atl2_dd_mean vs Slug



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: 414.283+/-529.056 χ^2/NDF:14.6/6

Right Out: 169.345+/-321.827 χ^2/NDF: 24.4/17

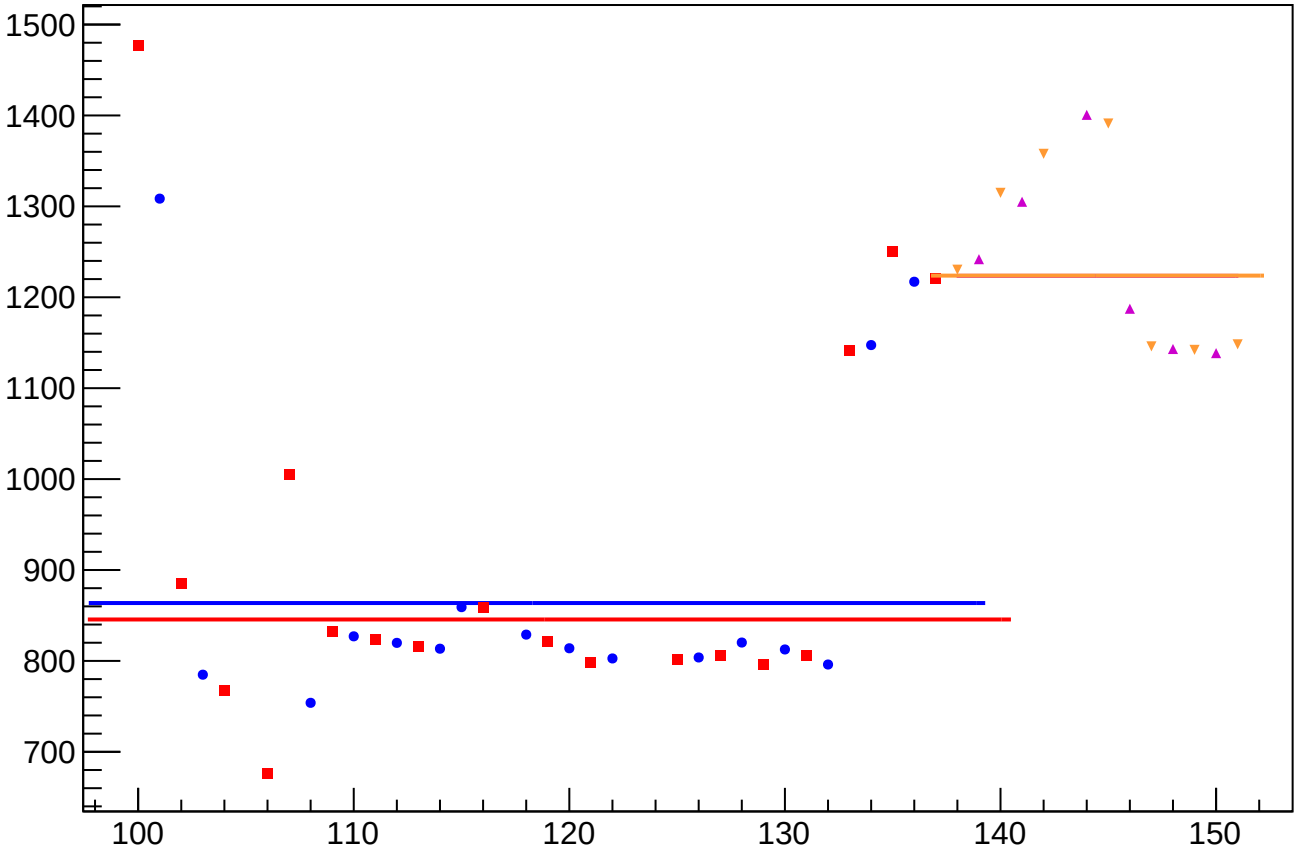
Left In: 496.175+/-534.456 χ^2/NDF:1.0/5

+ sign 59.103+/-277.680 χ^2/NDF: 28.5/22

All: 158.415+/-195.646 χ^2/NDF: 54.4/46

- sign 256.316+/-275.702 χ^2/NDF: 25.6/23

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1223.826+/-0.374 χ^2/NDF:63660.9/6

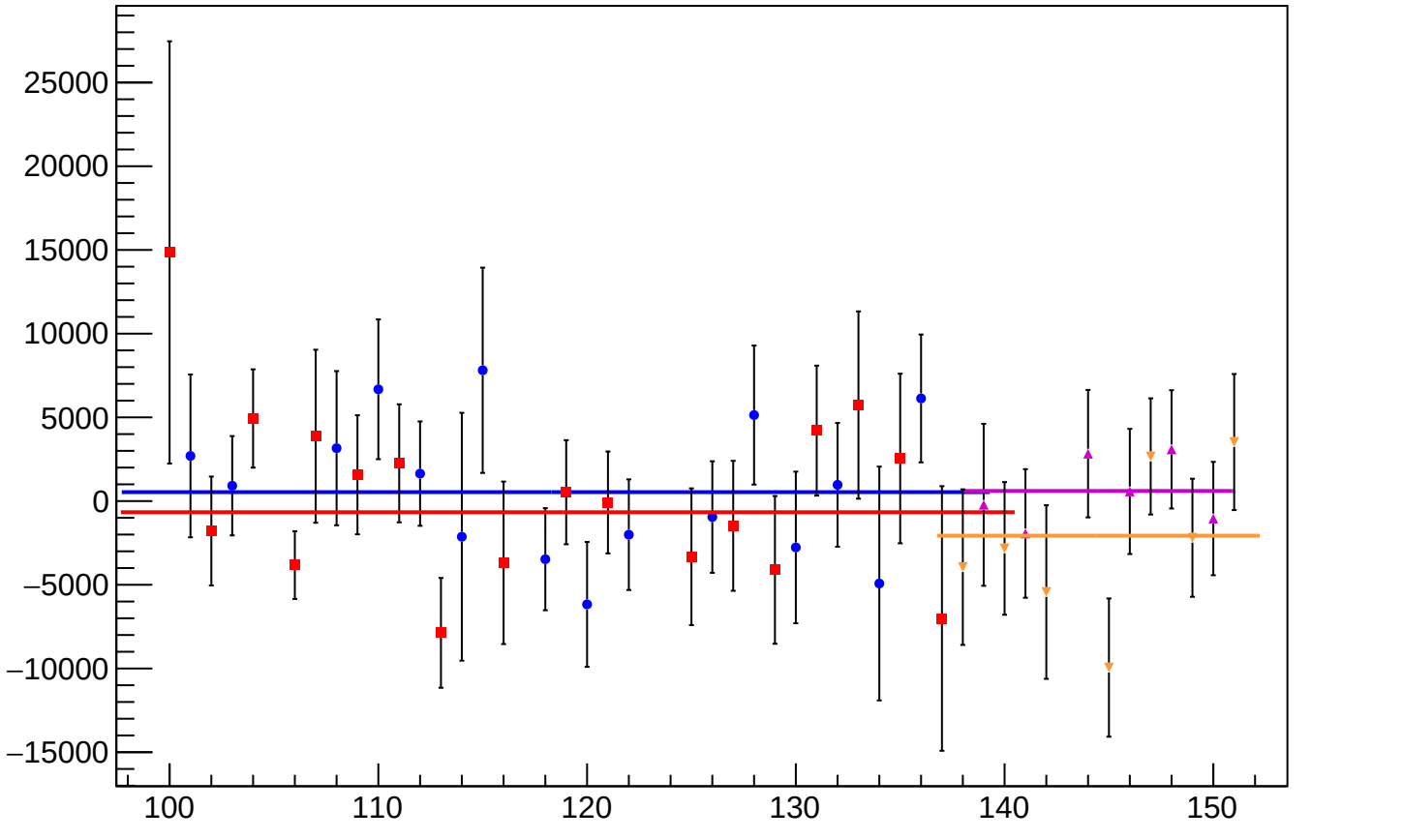
Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

Left In: 1223.539+/-0.378 χ^2/NDF:56065.8/5

+ sign 962.879+/-0.196 χ^2/NDF: 1142714.2/22

All: 953.454+/-0.138 χ^2/NDF: 2249977.7/46

- sign 944.331+/-0.193 χ^2/NDF: 1102729.2/23



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: -2068.638+/-1524.956 χ^2/NDF:8.0/6

Right Out: -665.878+/-864.970 χ^2/NDF: 20.0/17

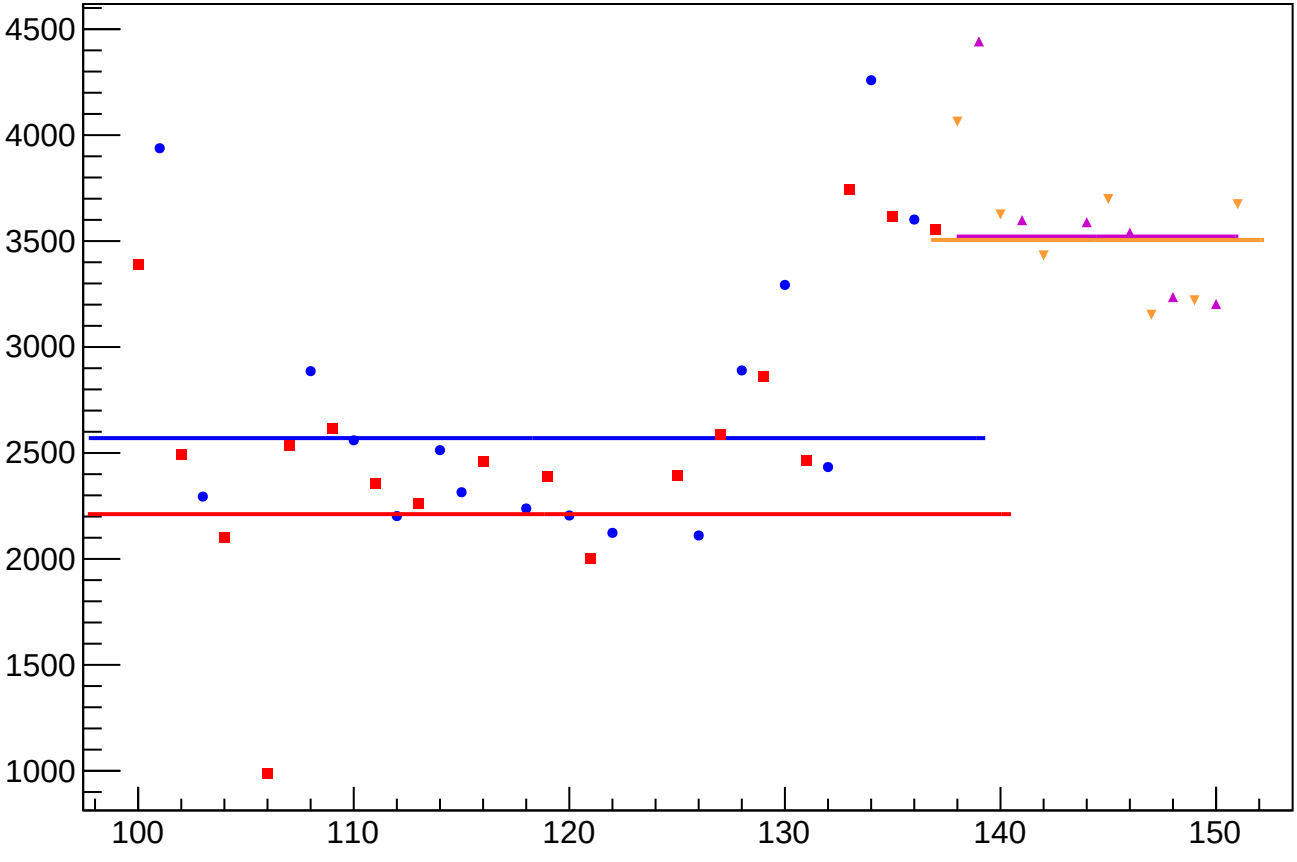
Left In: 603.193+/-1545.739 χ^2/NDF:1.5/5

+ sign -227.758+/-825.204 χ^2/NDF: 24.7/22

All: -301.528+/-556.964 χ^2/NDF: 46.8/46

- sign -363.252+/-754.826 χ^2/NDF: 22.0/23

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 3505.457+/-1.078 χ^2/NDF:72731.9/6

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

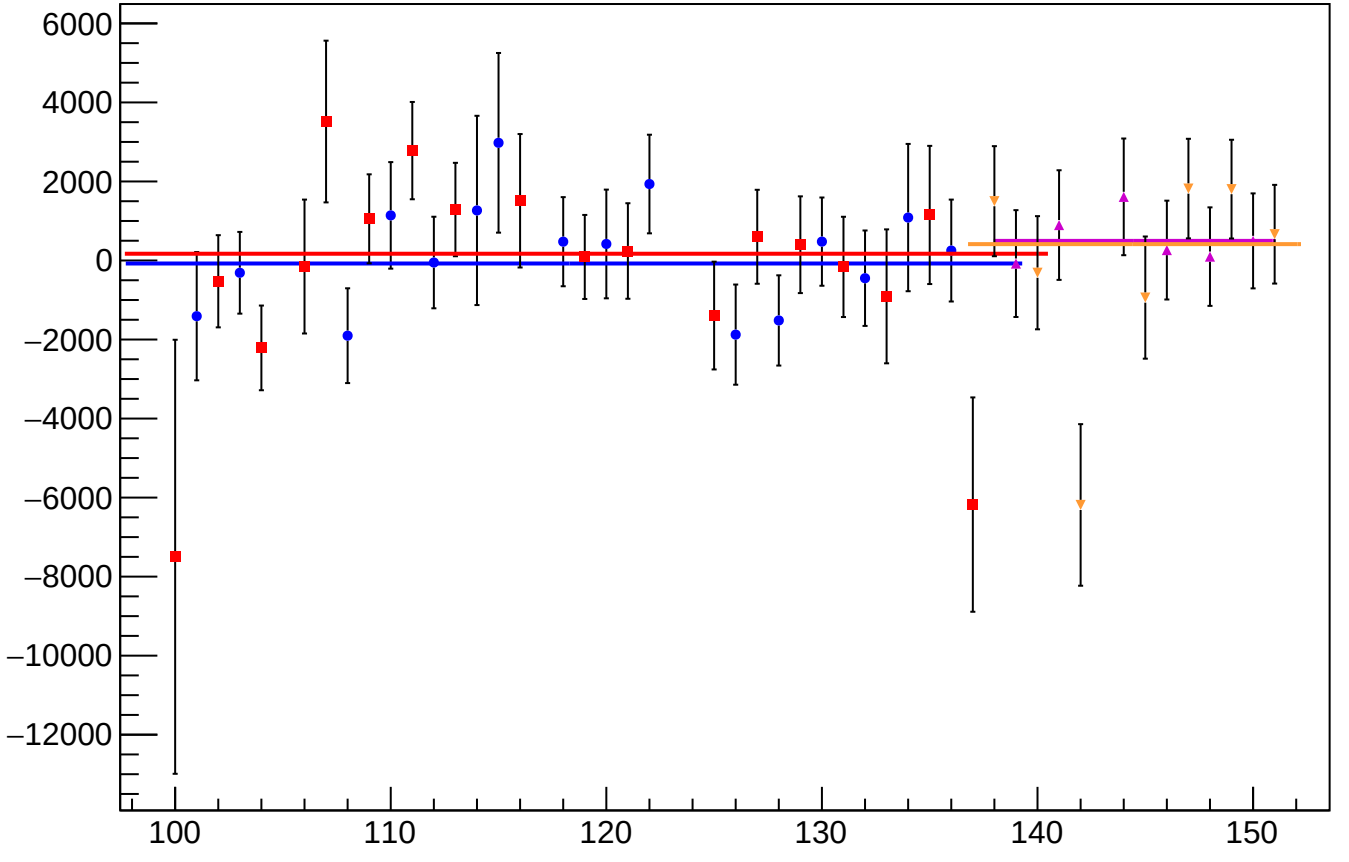
Left In: 3521.363+/-1.093 χ^2/NDF:104751.9/5

+ sign 2844.020+/-0.584 χ^2/NDF: 1267275.4/22

All: 2669.609+/-0.394 χ^2/NDF: 3894302.5/46

- sign 2523.678+/-0.534 χ^2/NDF: 2462931.6/23

cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 414.246+/-529.056 χ^2/NDF:14.6/6

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

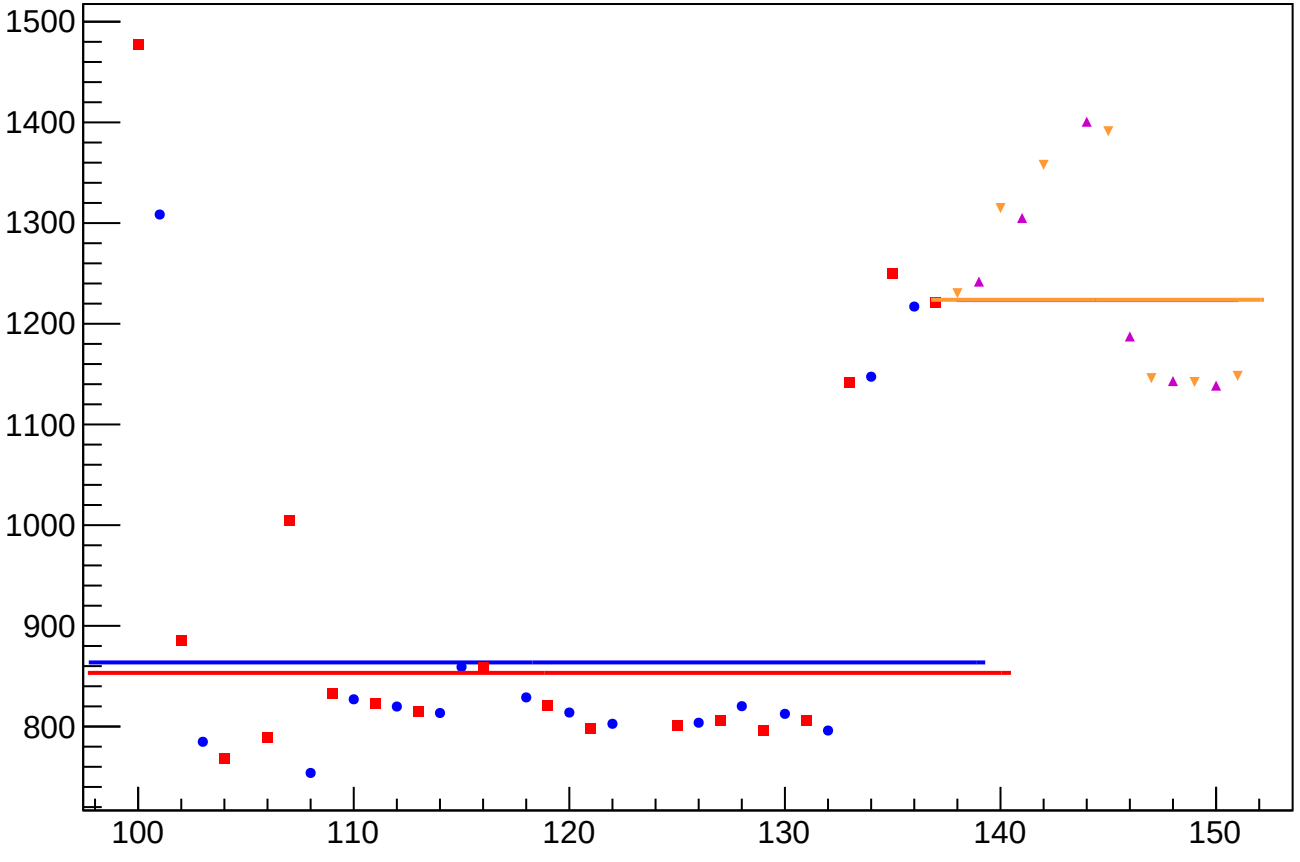
Left In: 496.209+/-534.456 χ^2/NDF:1.0/5

+ sign 59.036+/-277.680 χ^2/NDF: 28.5/22

All: 158.991+/-195.647 χ^2/NDF: 54.4/46

- sign 257.529+/-275.705 χ^2/NDF: 25.6/23

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1223.826+/-0.374 χ^2/NDF:63660.9/6

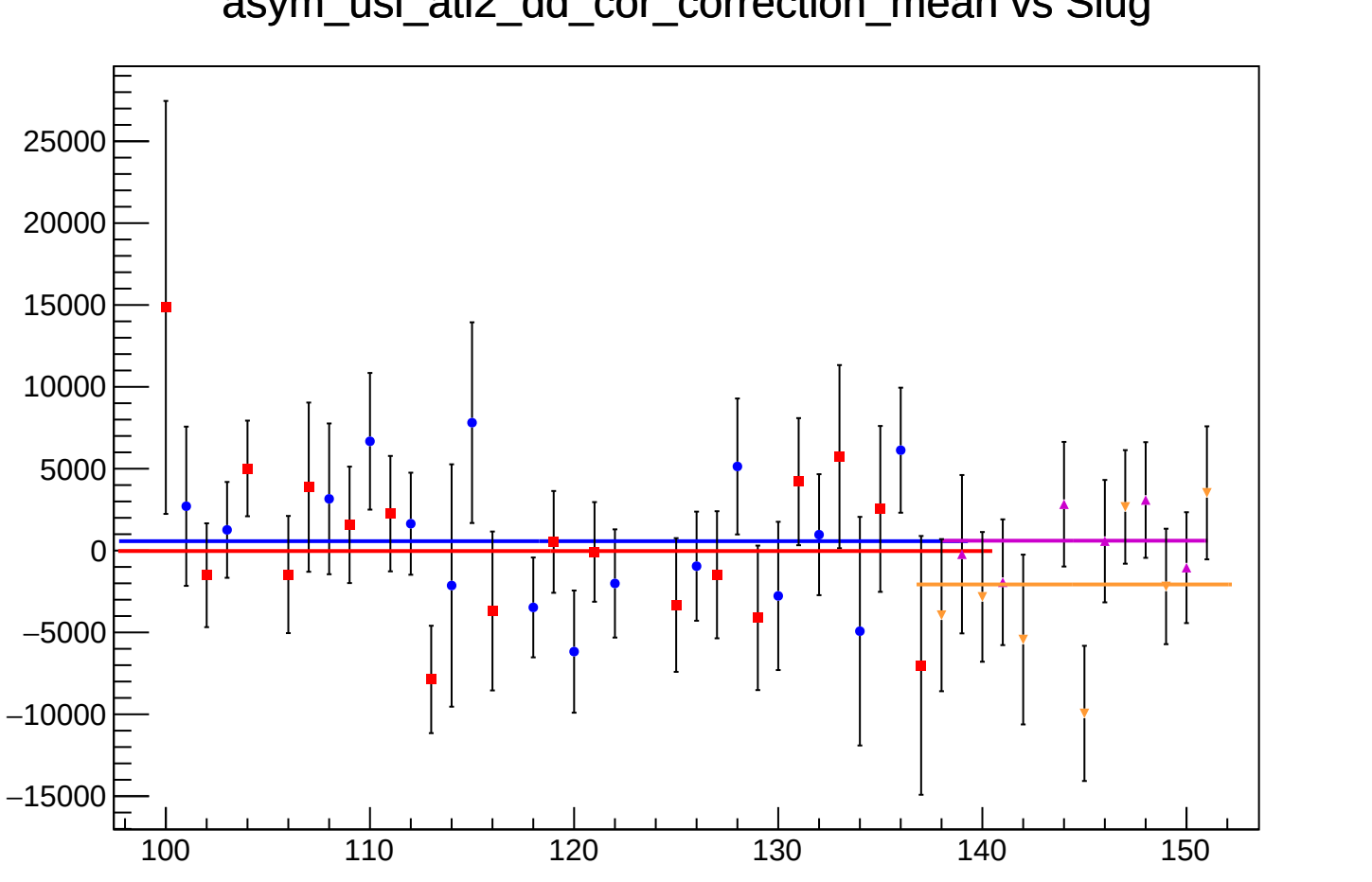
Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1223.539+/-0.378 χ^2/NDF:56065.8/5

+ sign 962.879+/-0.196 χ^2/NDF: 1142714.1/22

All: 956.910+/-0.138 χ^2/NDF: 2182309.8/46

- sign 951.070+/-0.194 χ^2/NDF: 1037767.4/23



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -2068.696+/-1524.956 χ^2/NDF:8.0/6

Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

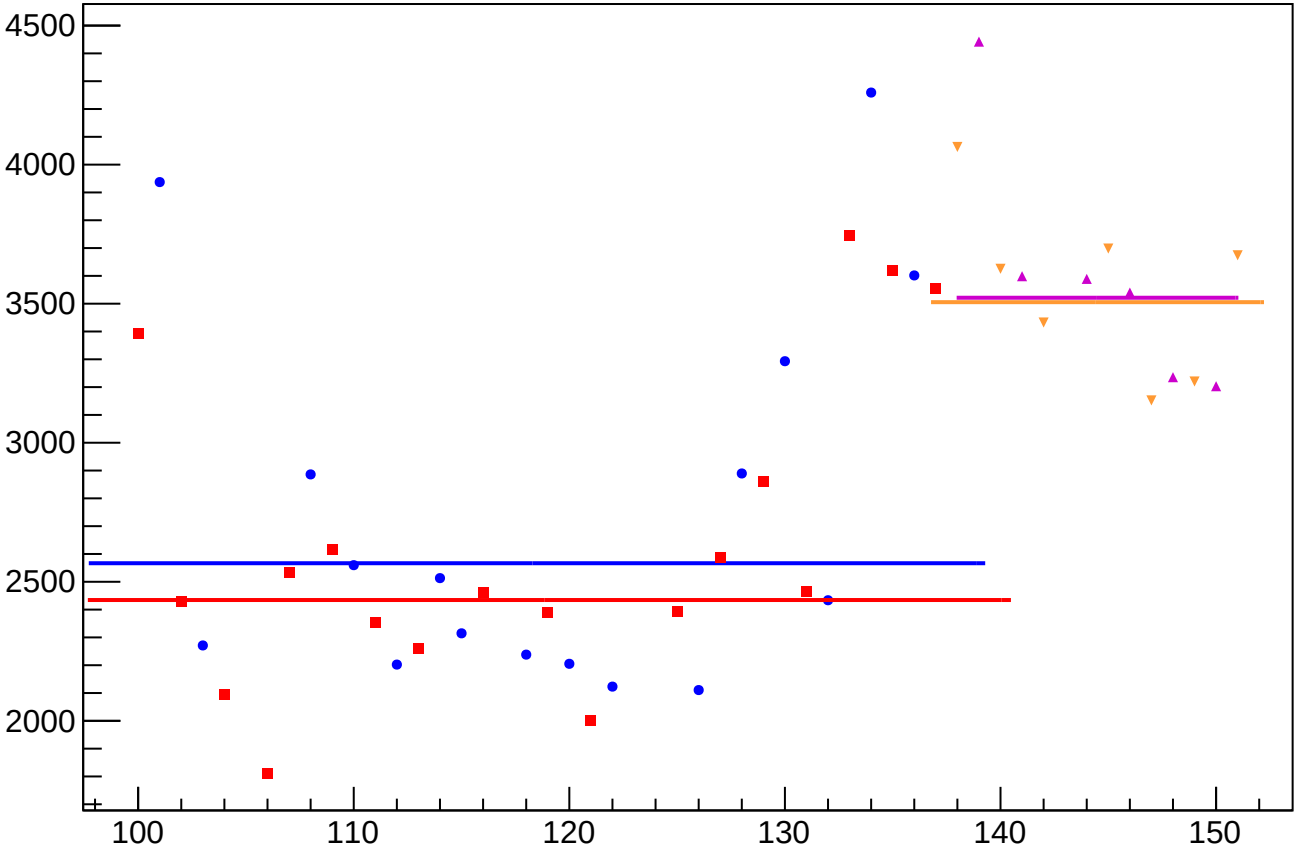
Left In: 603.212+/-1545.737 χ^2/NDF:1.5/5

\+ sign -197.564+/-824.350 χ^2/NDF: 24.8/22

All: -23.451+/-571.088 χ^2/NDF: 43.8/46

\- sign 137.228+/-791.909 χ^2/NDF: 18.9/23

asym_usl_atl2_dd_cor_correction_rms vs Slug



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3505.457+/-1.078 χ^2/NDF:72731.1/6

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

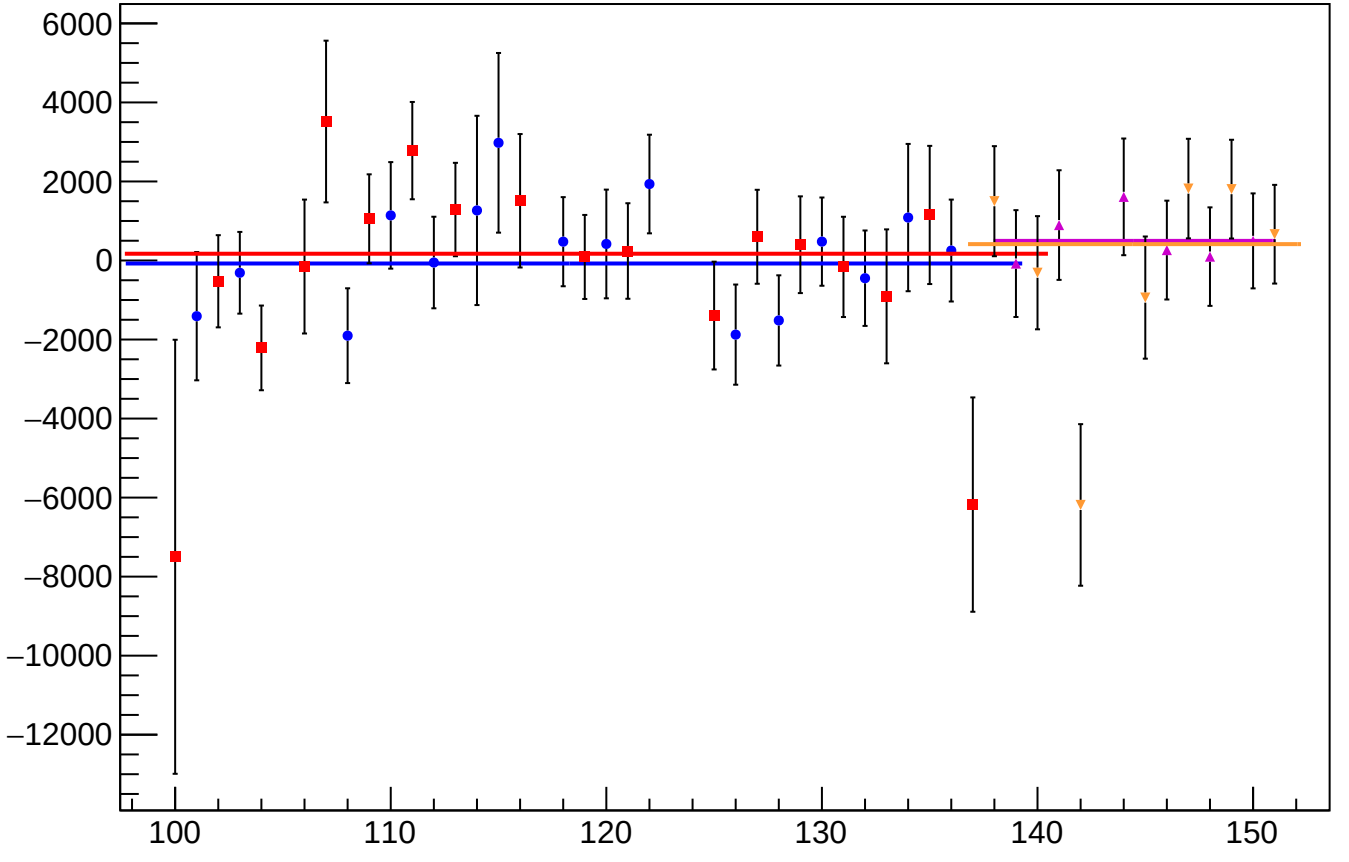
Left In: 3521.359+/-1.093 χ^2/NDF:104752.3/5

+ sign 2841.046+/-0.583 χ^2/NDF: 1275004.6/22

All: 2777.946+/-0.404 χ^2/NDF: 2565725.9/46

- sign 2719.716+/-0.560 χ^2/NDF: 1268189.4/23

eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 414.246+/-529.056 χ^2/NDF:14.6/6

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

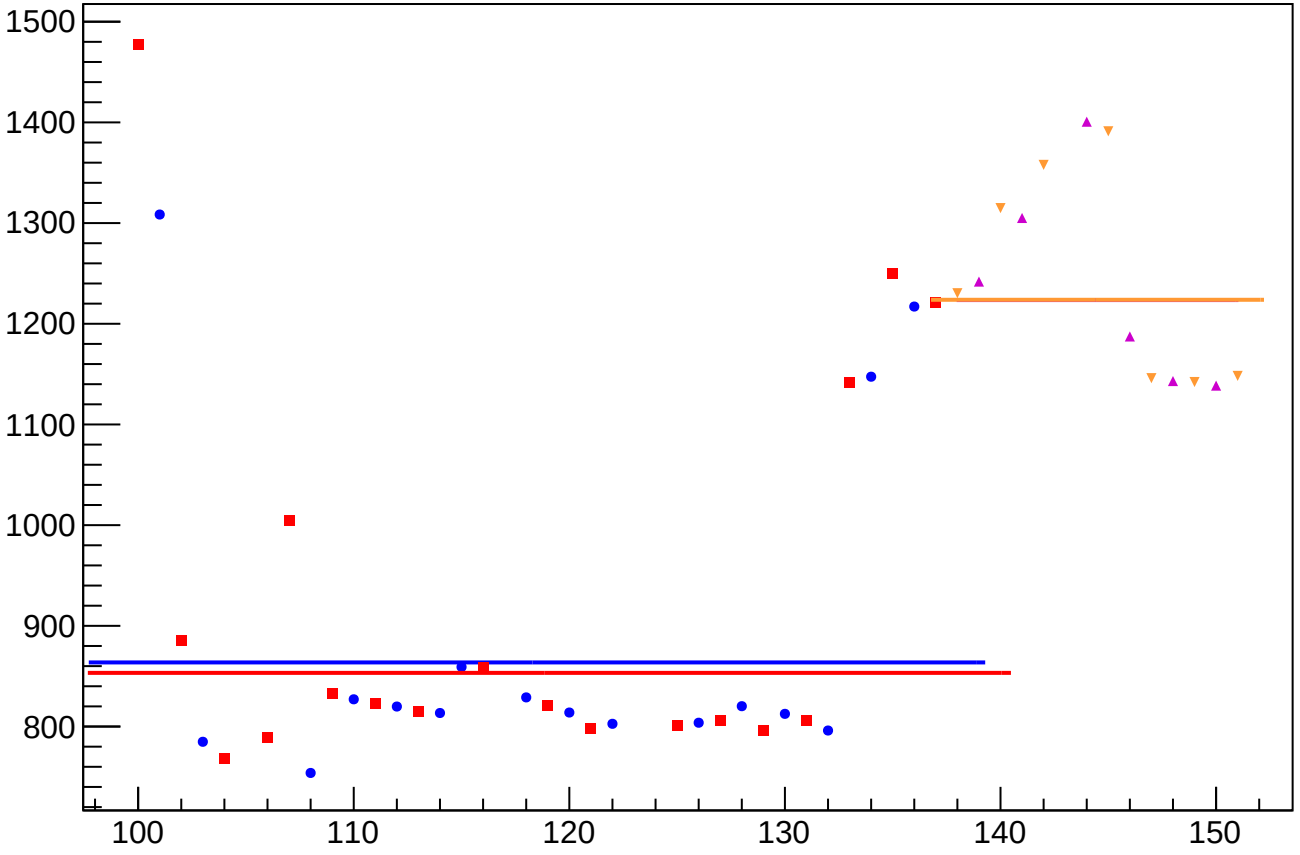
Left In: 496.209+/-534.456 χ^2/NDF:1.0/5

+ sign 59.036+/-277.680 χ^2/NDF: 28.5/22

All: 158.991+/-195.647 χ^2/NDF: 54.4/46

- sign 257.529+/-275.705 χ^2/NDF: 25.6/23

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1223.826+/-0.374 χ^2/NDF:63660.9/6

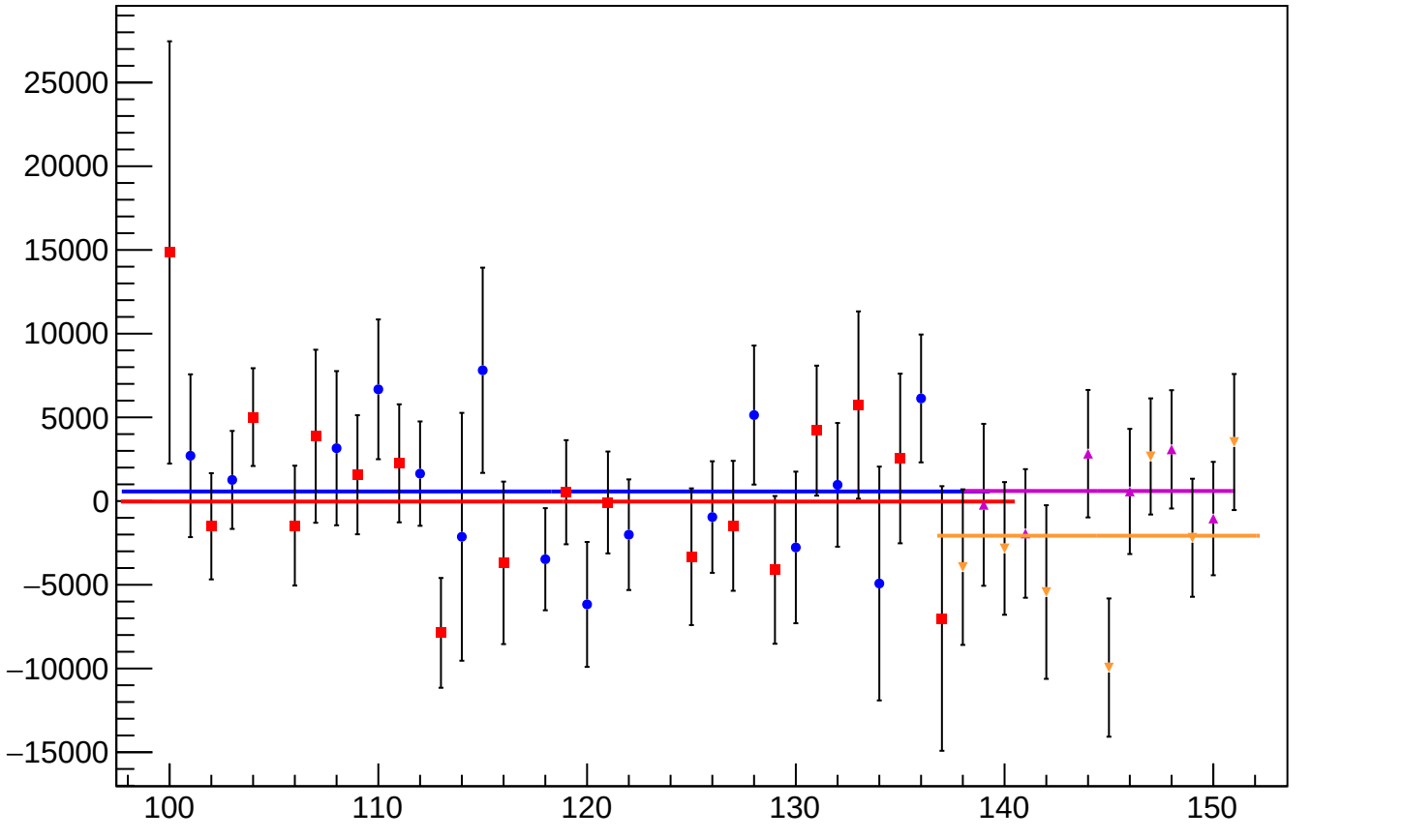
Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1223.539+/-0.378 χ^2/NDF:56065.8/5

+ sign 962.879+/-0.196 χ^2/NDF: 1142714.1/22

All: 956.910+/-0.138 χ^2/NDF: 2182309.8/46

- sign 951.070+/-0.194 χ^2/NDF: 1037767.4/23



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -2068.696+/-1524.956 χ^2/NDF:8.0/6

Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

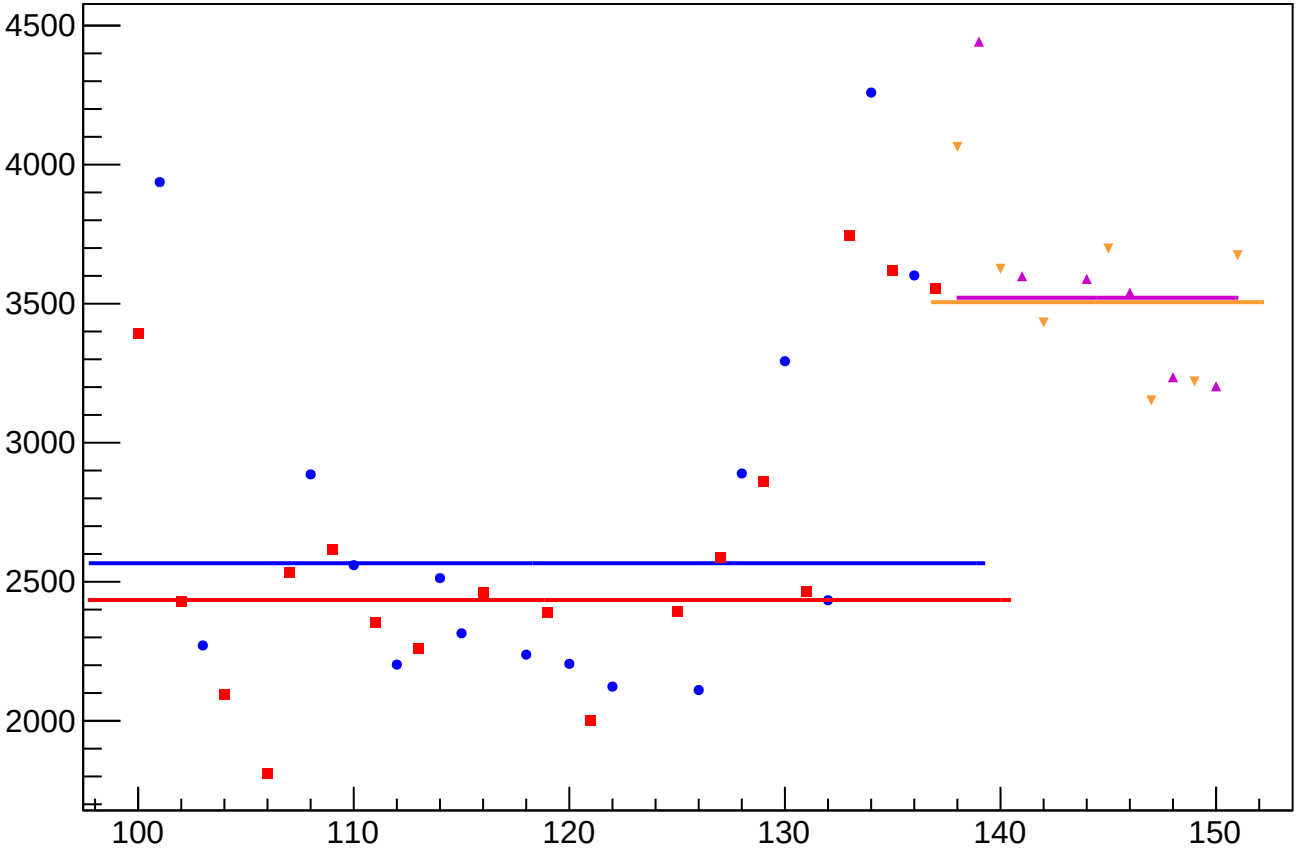
Left In: 603.212+/-1545.737 χ^2/NDF:1.5/5

+ sign -197.564+/-824.350 χ^2/NDF: 24.8/22

All: -23.451+/-571.088 χ^2/NDF: 43.8/46

- sign 137.228+/-791.909 χ^2/NDF: 18.9/23

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3505.457+/-1.078 χ^2/NDF:72731.1/6

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

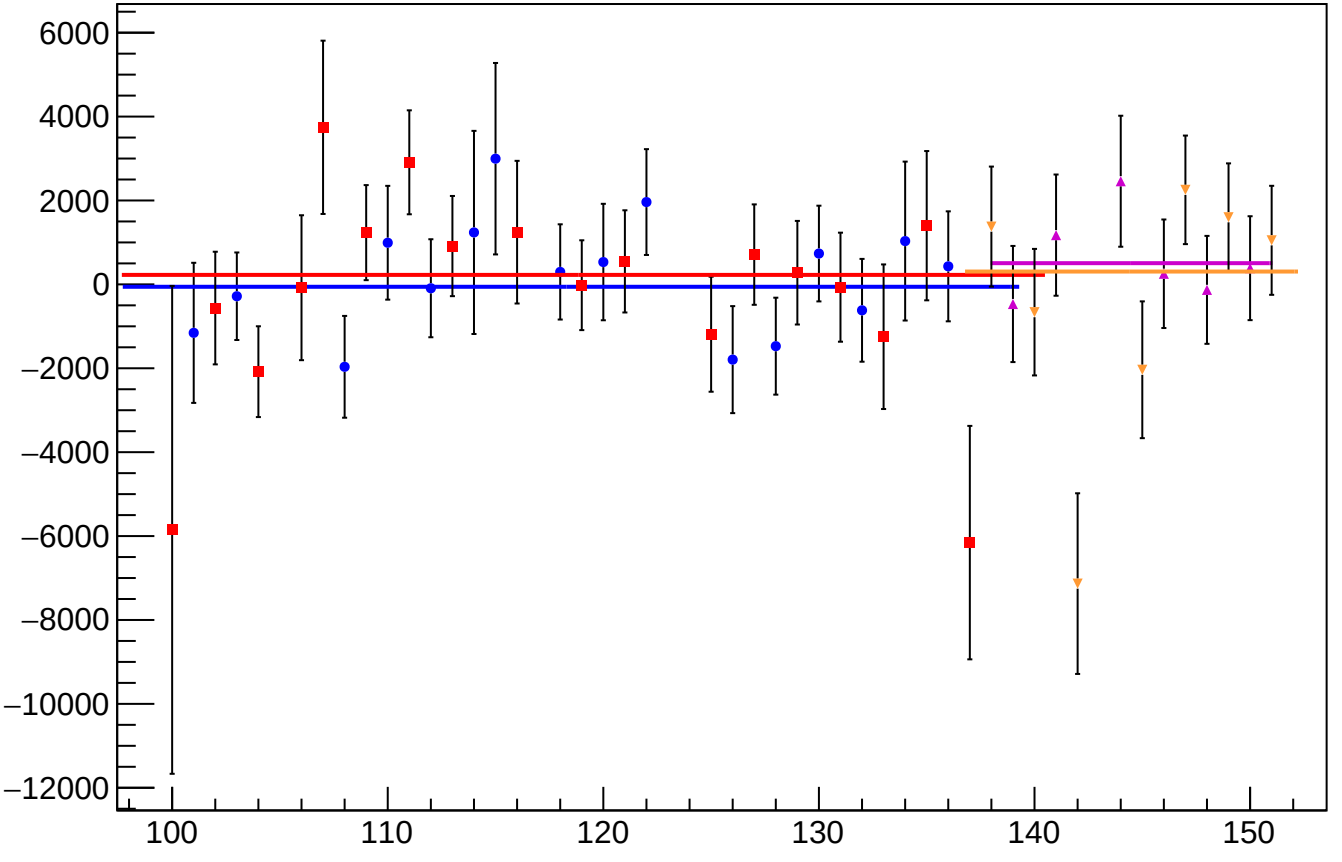
Left In: 3521.359+/-1.093 χ^2/NDF:104752.3/5

+ sign 2841.046+/-0.583 χ^2/NDF: 1275004.6/22

All: 2777.946+/-0.404 χ^2/NDF: 2565725.9/46

- sign 2719.716+/-0.560 χ^2/NDF: 1268189.4/23

dit_asym_usl_atl2_dd_mean vs Slug



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: 305.951+/-549.224 χ^2/NDF:18.6/6

Right Out: 226.075+/-328.069 χ^2/NDF: 22.9/17

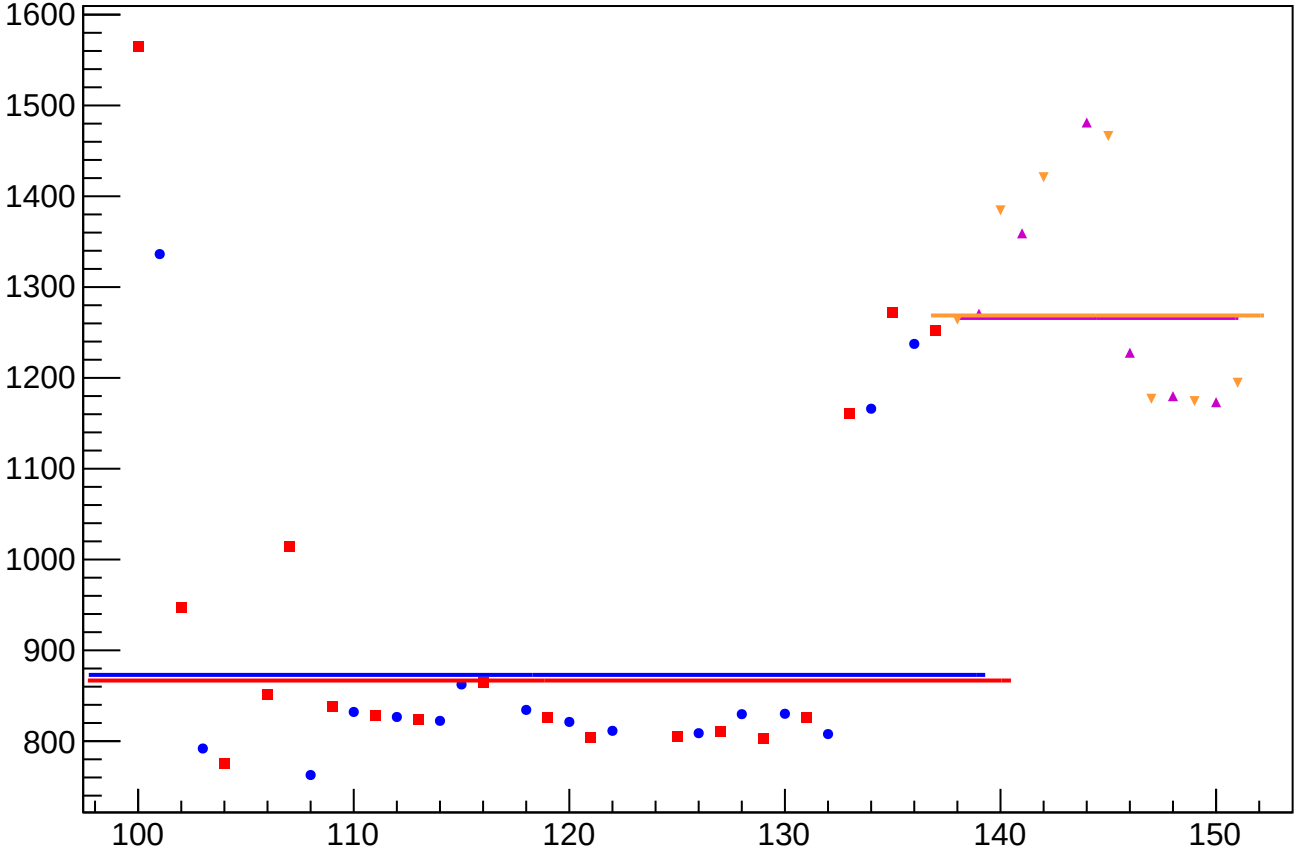
Left In: 505.644+/-553.446 χ^2/NDF:2.6/5

+ sign 39.160+/-282.922 χ^2/NDF: 31.9/22

All: 169.290+/-199.805 χ^2/NDF: 58.0/46

- sign 298.767+/-282.212 χ^2/NDF: 25.7/23

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1268.724+/-0.388 χ^2/NDF:78504.6/6

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

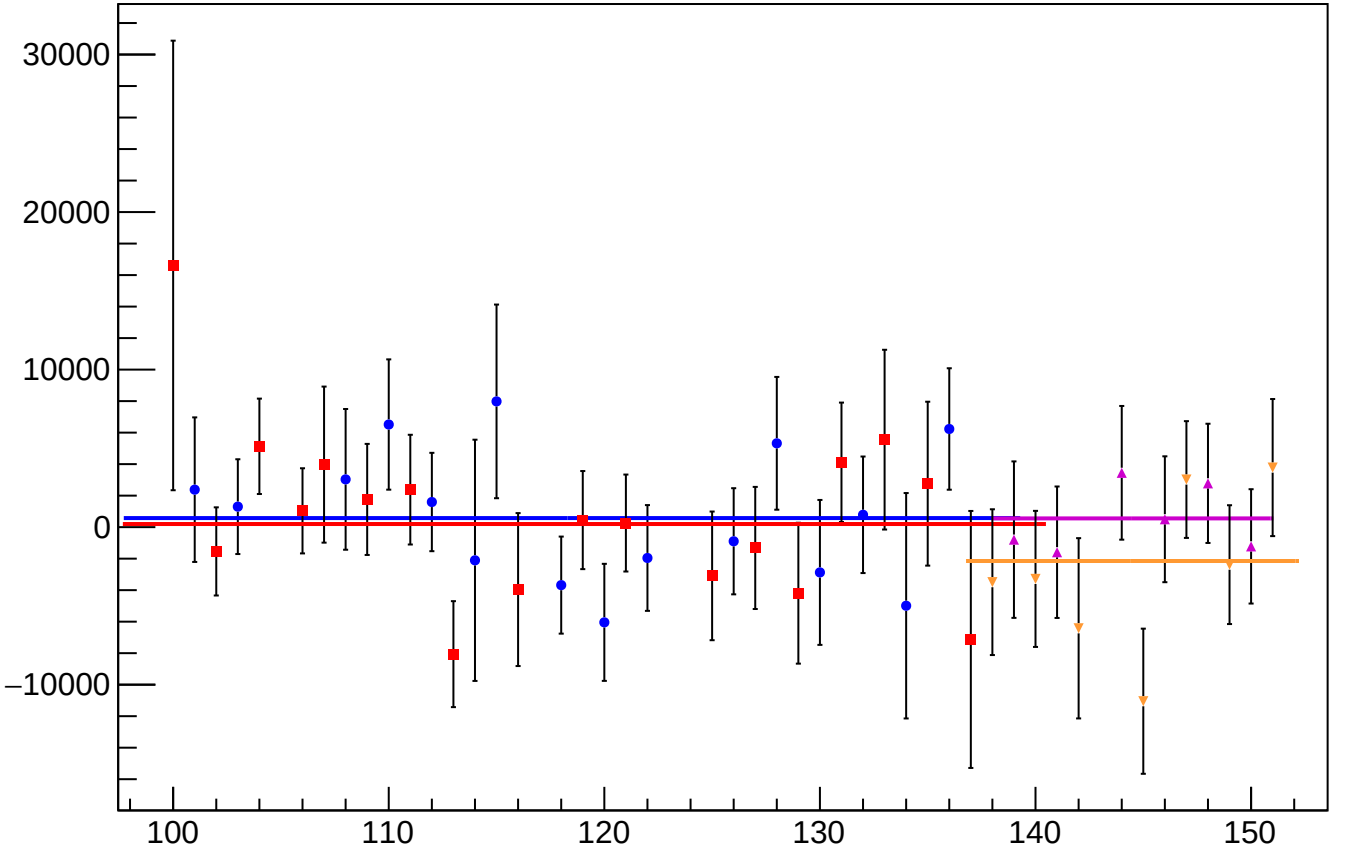
Left In: 1266.031+/-0.391 χ^2/NDF:68273.2/5

+ sign 977.988+/-0.200 χ^2/NDF: 1258480.6/22

All: 974.199+/-0.141 χ^2/NDF: 2388465.8/46

- sign 970.434+/-0.199 χ^2/NDF: 1129270.0/23

asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: -2149.538+/-1635.361 χ^2/NDF:8.3/6

Right Out: 197.953+/-894.121 χ^2/NDF: 17.2/17

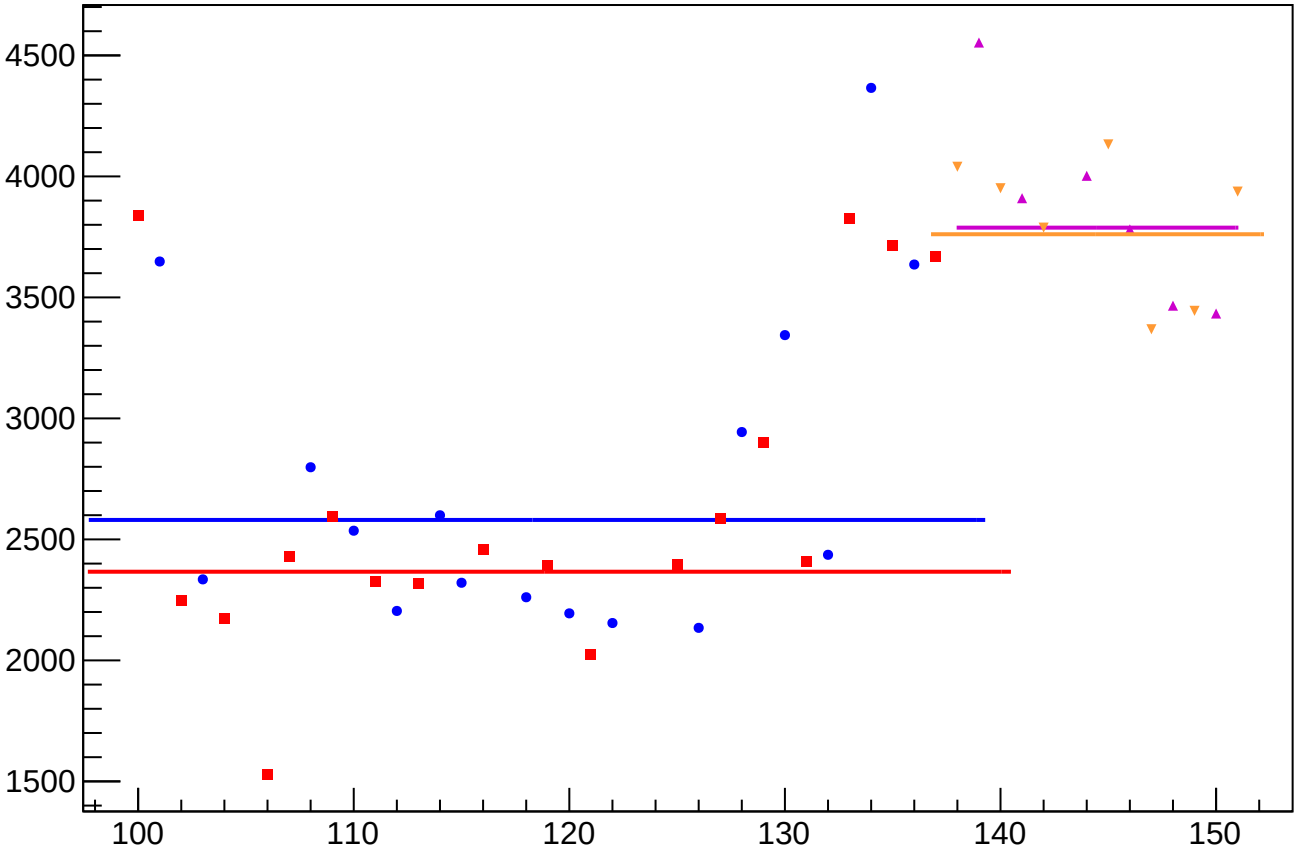
Left In: 554.391+/-1662.158 χ^2/NDF:1.4/5

+ sign -149.970+/-843.698 χ^2/NDF: 25.0/22

All: 78.734+/-575.659 χ^2/NDF: 43.7/46

- sign 277.947+/-787.423 χ^2/NDF: 18.6/23

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 3761.017+/-1.156 χ^2/NDF:63994.9/6

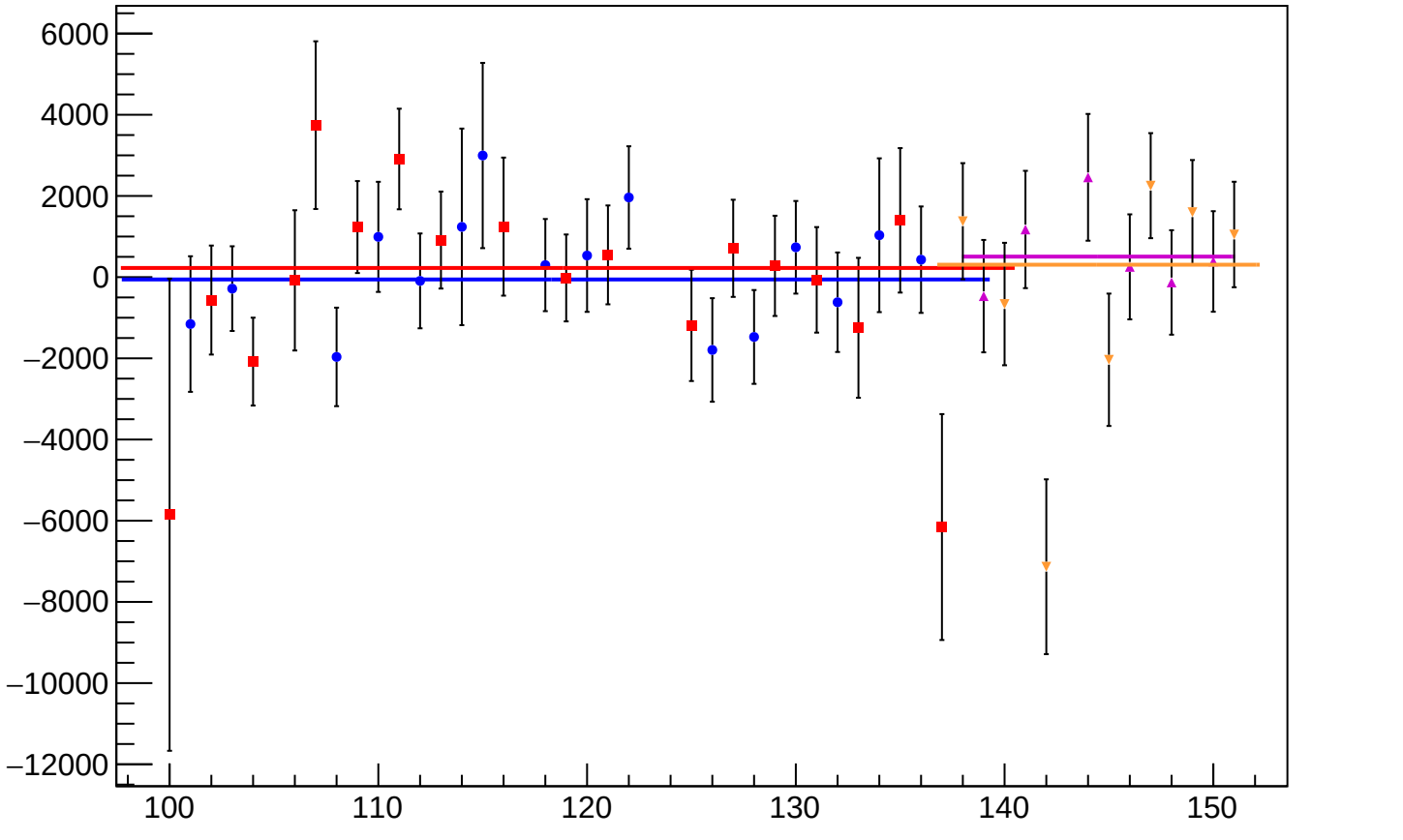
Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

Left In: 3788.255+/-1.175 χ^2/NDF:87909.2/5

+ sign 2894.619+/-0.597 χ^2/NDF: 1446109.9/22

All: 2782.858+/-0.407 χ^2/NDF: 3346419.4/46

- sign 2685.510+/-0.557 χ^2/NDF: 1834647.0/23



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: 305.946+/-549.224 χ^2/NDF:18.6/6

Right Out: 226.078+/-328.069 χ^2/NDF: 22.9/17

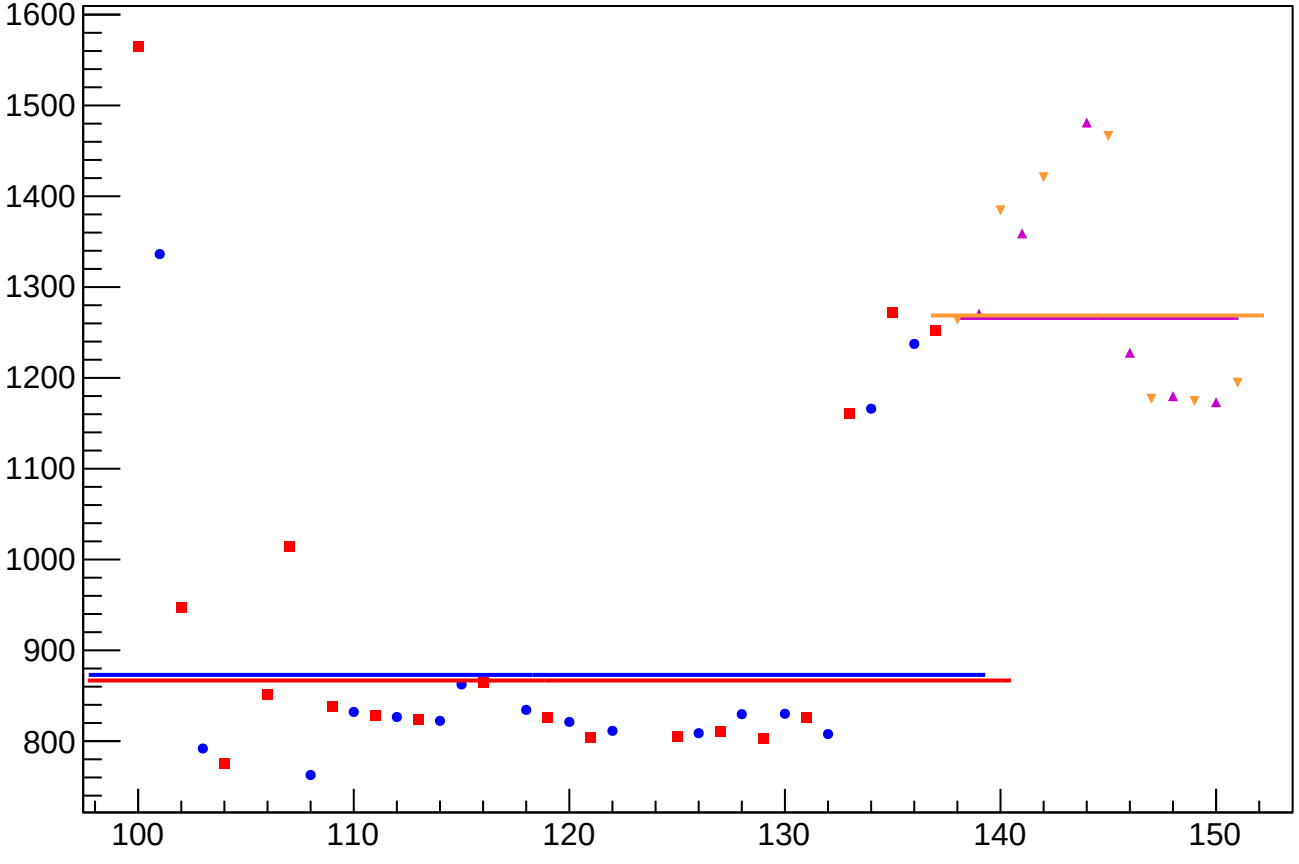
Left In: 505.645+/-553.447 χ^2/NDF:2.6/5

+ sign 39.157+/-282.922 χ^2/NDF: 31.9/22

All: 169.289+/-199.805 χ^2/NDF: 58.0/46

- sign 298.770+/-282.212 χ^2/NDF: 25.7/23

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1268.725+/-0.388 χ^2/NDF:78506.0/6

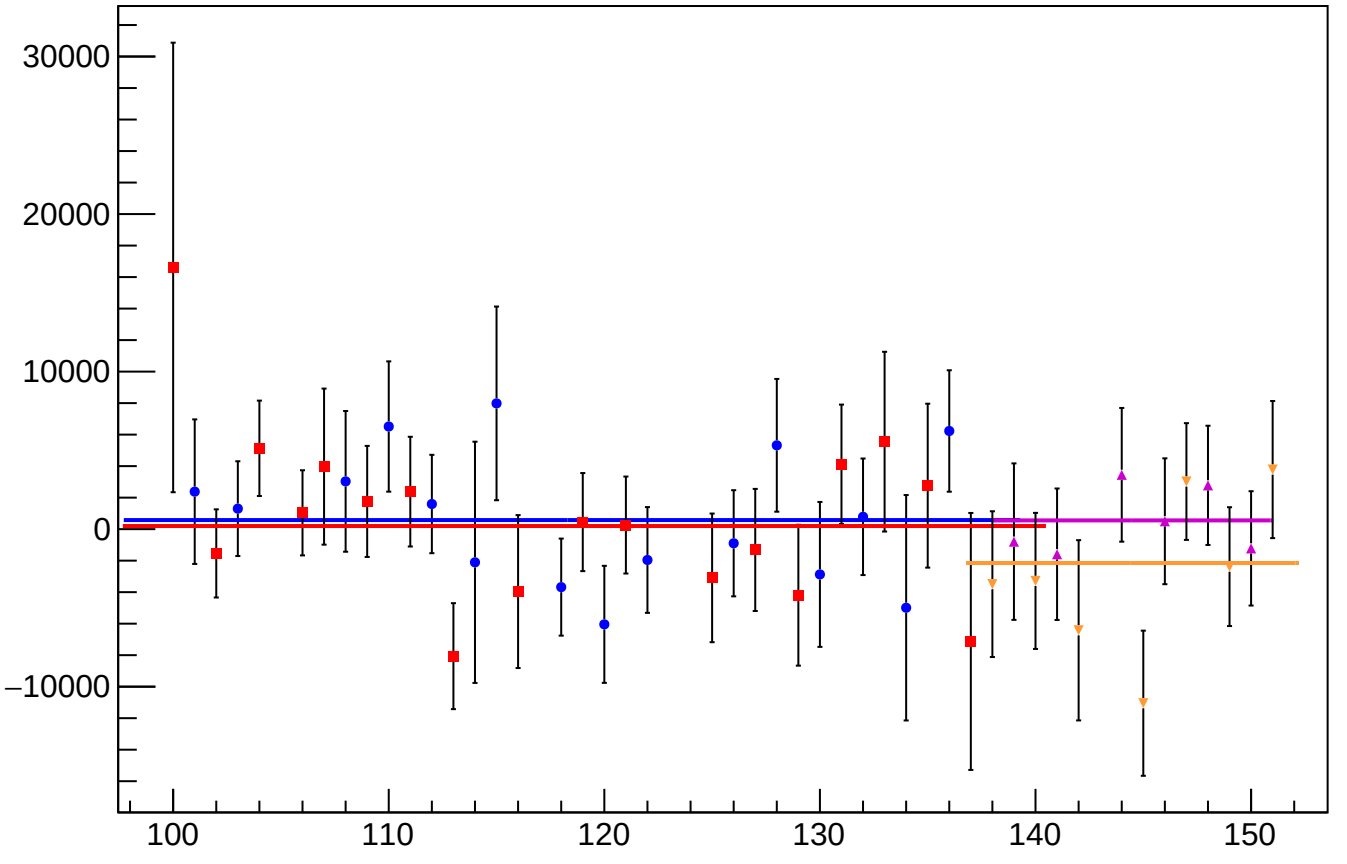
Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1266.032+/-0.391 χ^2/NDF:68274.1/5

+ sign 977.989+/-0.200 χ^2/NDF: 1258483.6/22

All: 974.199+/-0.141 χ^2/NDF: 2388471.9/46

- sign 970.434+/-0.199 χ^2/NDF: 1129273.1/23



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: -2149.539+/-1635.363 χ^2/NDF:8.3/6

Right Out: 197.955+/-894.119 χ^2/NDF: 17.2/17

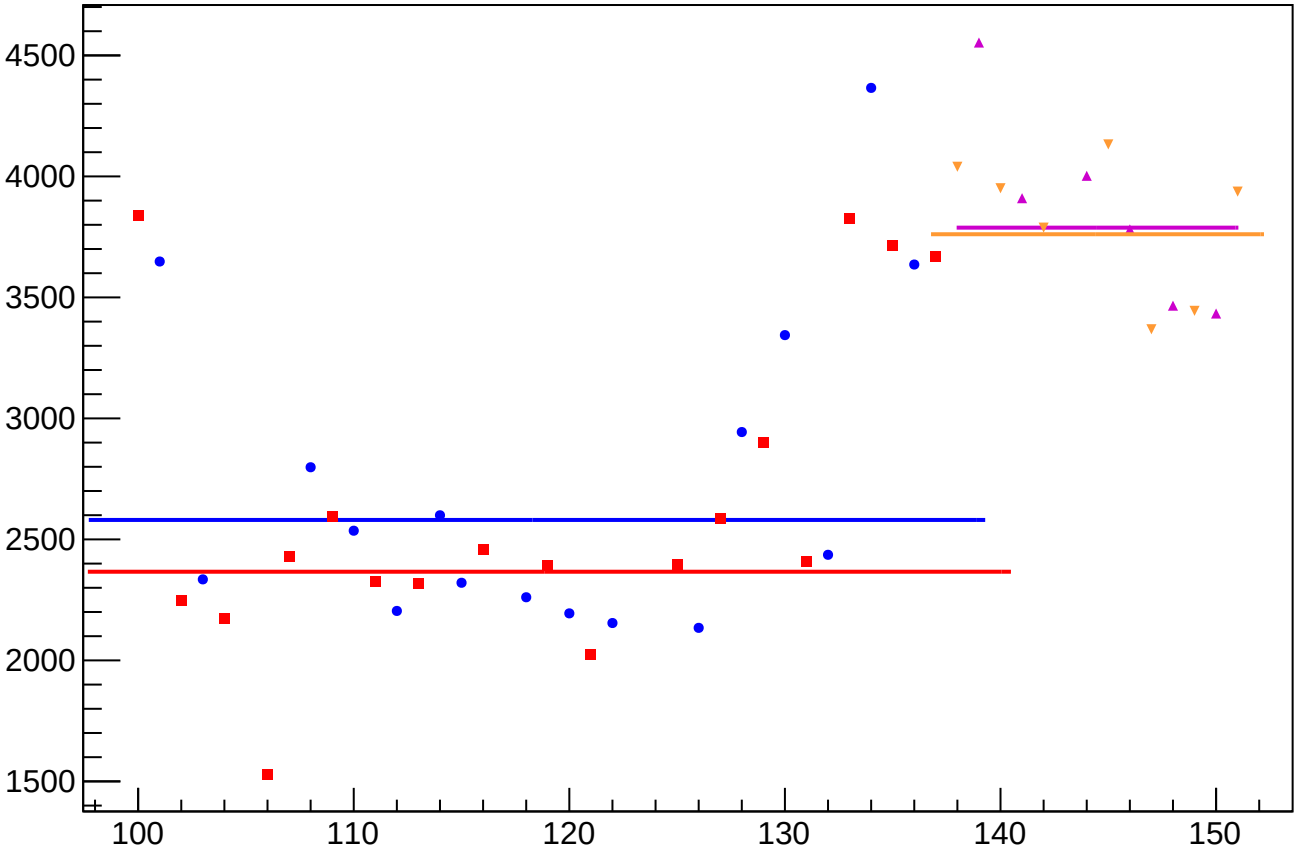
Left In: 554.392+/-1662.161 χ^2/NDF:1.4/5

\+ sign -149.969+/-843.696 χ^2/NDF: 25.0/22

All: 78.735+/-575.658 χ^2/NDF: 43.7/46

\- sign 277.948+/-787.422 χ^2/NDF: 18.6/23

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 3761.022+/-1.156 χ^2/NDF:63996.9/6

Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

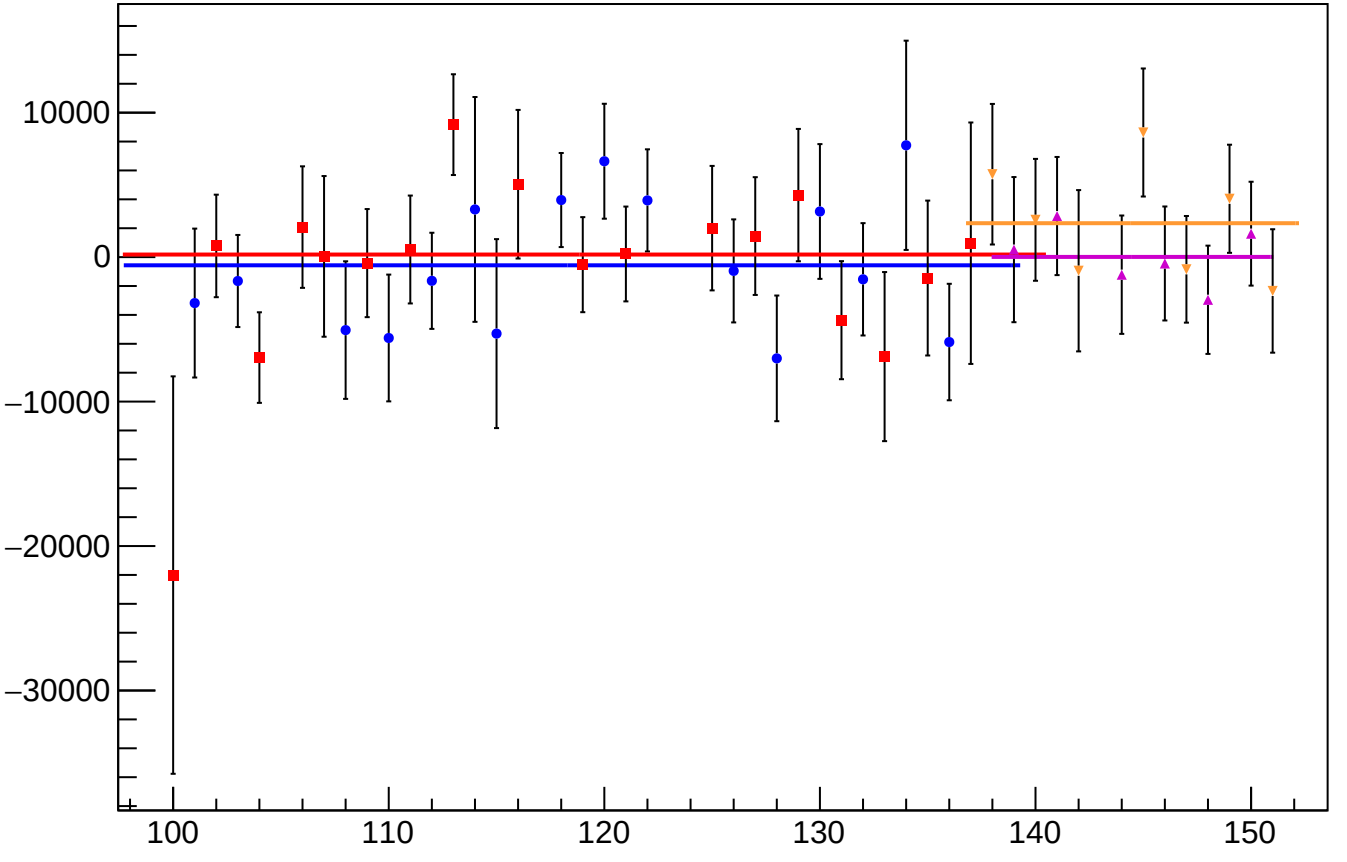
Left In: 3788.260+/-1.175 χ^2/NDF:87911.8/5

+ sign 2894.612+/-0.597 χ^2/NDF: 1446135.9/22

All: 2782.852+/-0.407 χ^2/NDF: 3346468.3/46

- sign 2685.503+/-0.557 χ^2/NDF: 1834670.1/23

asym_usl_atl2_dd_mean vs Slug



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 2347.847+/-1620.082 χ^2/NDF:5.0/6

Right Out: 178.586+/-988.392 χ^2/NDF: 19.5/17

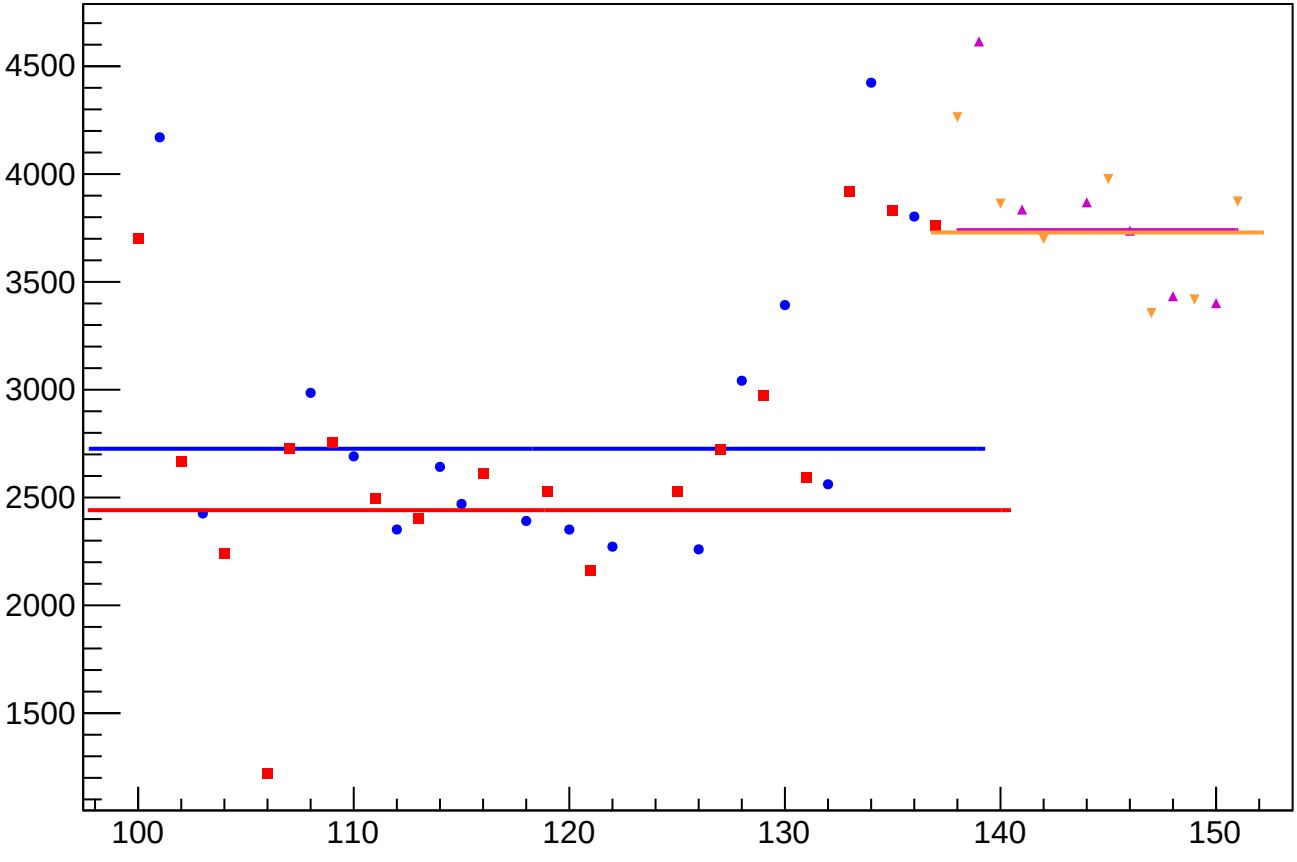
Left In: 14.095+/-1639.889 χ^2/NDF:1.4/5

\+ sign 284.643+/-875.376 χ^2/NDF: 23.5/22

All: 207.188+/-608.527 χ^2/NDF: 44.5/46

\- sign 134.755+/-846.522 χ^2/NDF: 20.9/23

asym_usl_atl2_dd_rms vs Slug



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 3729.143+/-1.146 χ^2/NDF:68966.5/6

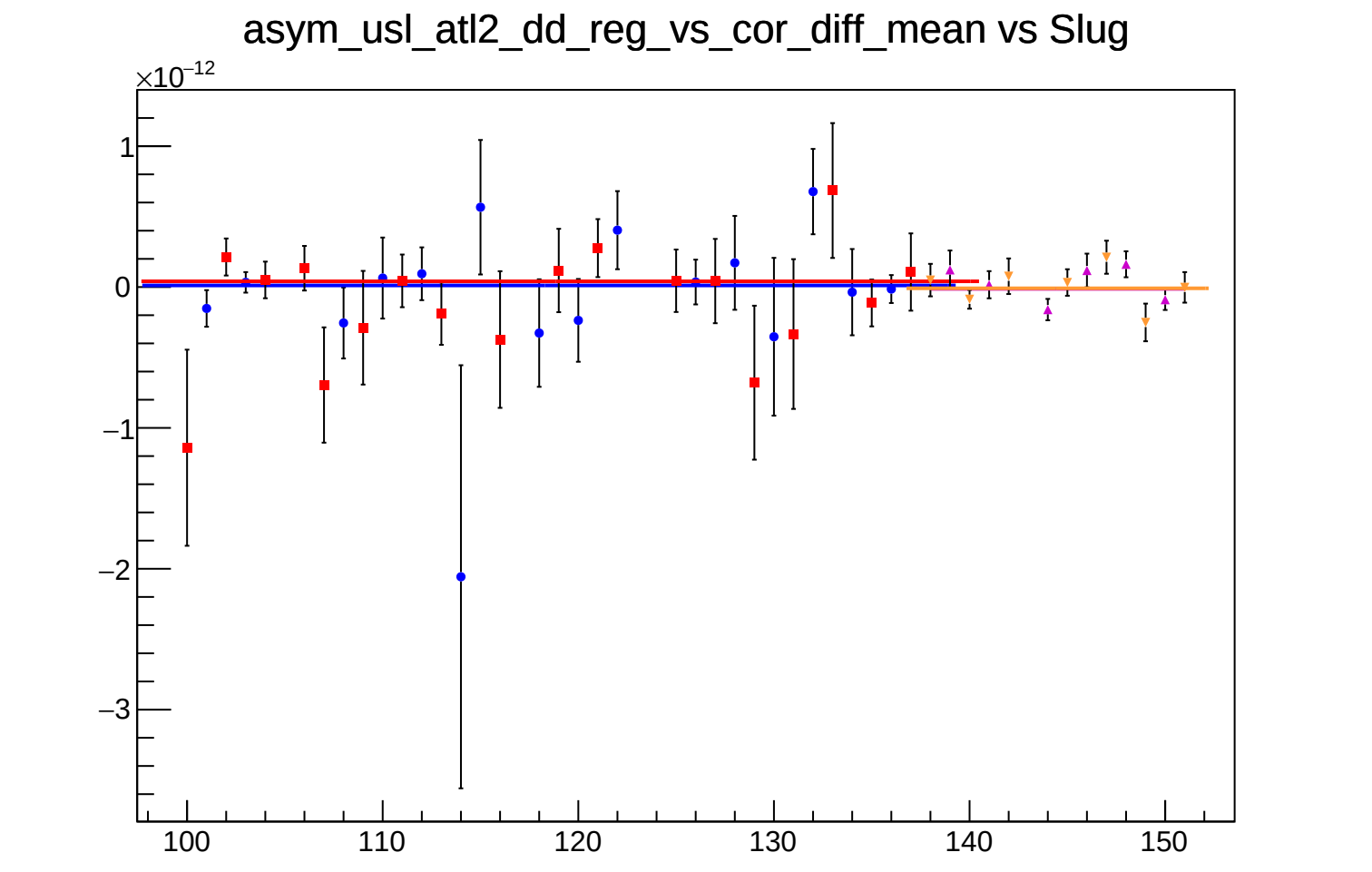
Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 3739.919+/-1.160 χ^2/NDF:94836.7/5

+ sign 3019.036+/-0.619 χ^2/NDF: 1234725.5/22

All: 2882.908+/-0.423 χ^2/NDF: 3253592.1/46

- sign 2764.154+/-0.578 χ^2/NDF: 1928308.6/23



Right In: 0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.1/6

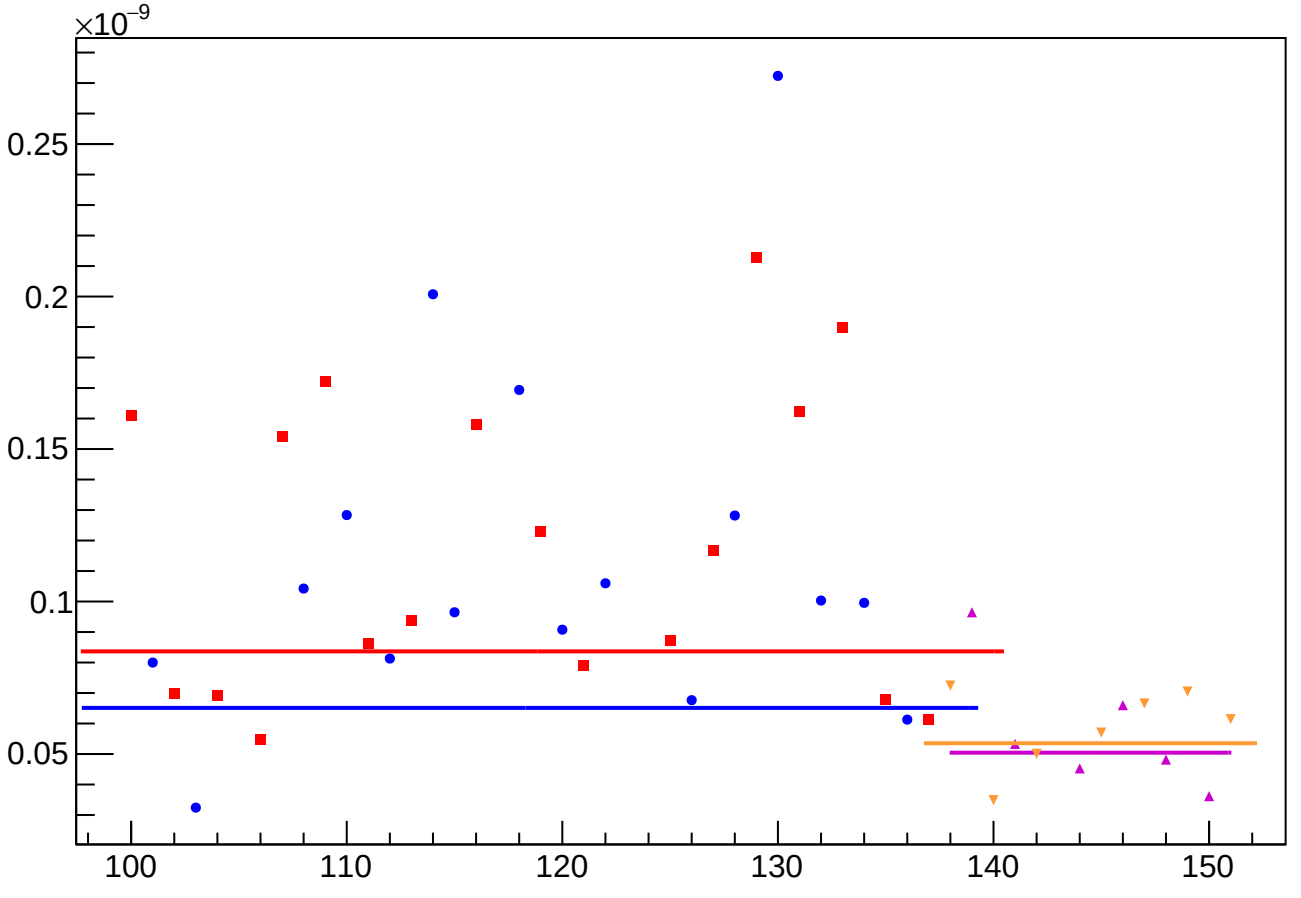
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/17

Left In: -0.000+/-0.000 χ^2/NDF:10.7/5

+ sign -0.000+/-0.000 χ^2/NDF: 24.6/22

All: 0.000+/-0.000 χ^2/NDF: 53.0/46

- sign 0.000+/-0.000 χ^2/NDF: 28.4/23



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:281457.1/6

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

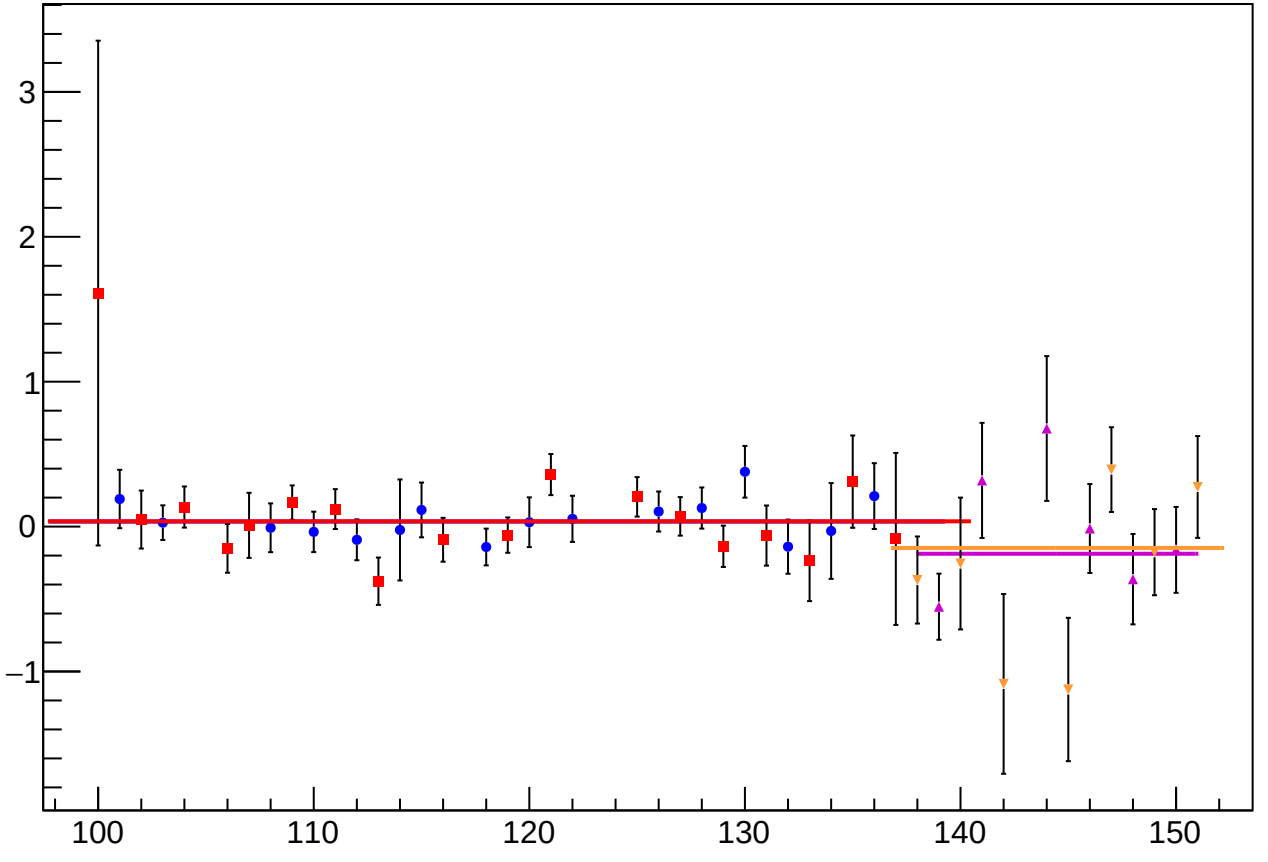
Left In: 0.000+/-0.000 χ^2/NDF:346685.5/5

+ sign 0.000+/-0.000 χ^2/NDF: 1583108.7/22

All: 0.000+/-0.000 χ^2/NDF: 3149546.0/46

- sign 0.000+/-0.000 χ^2/NDF: 1556609.6/23

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: -0.147+/-0.136 χ^2/NDF:11.6/6

Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

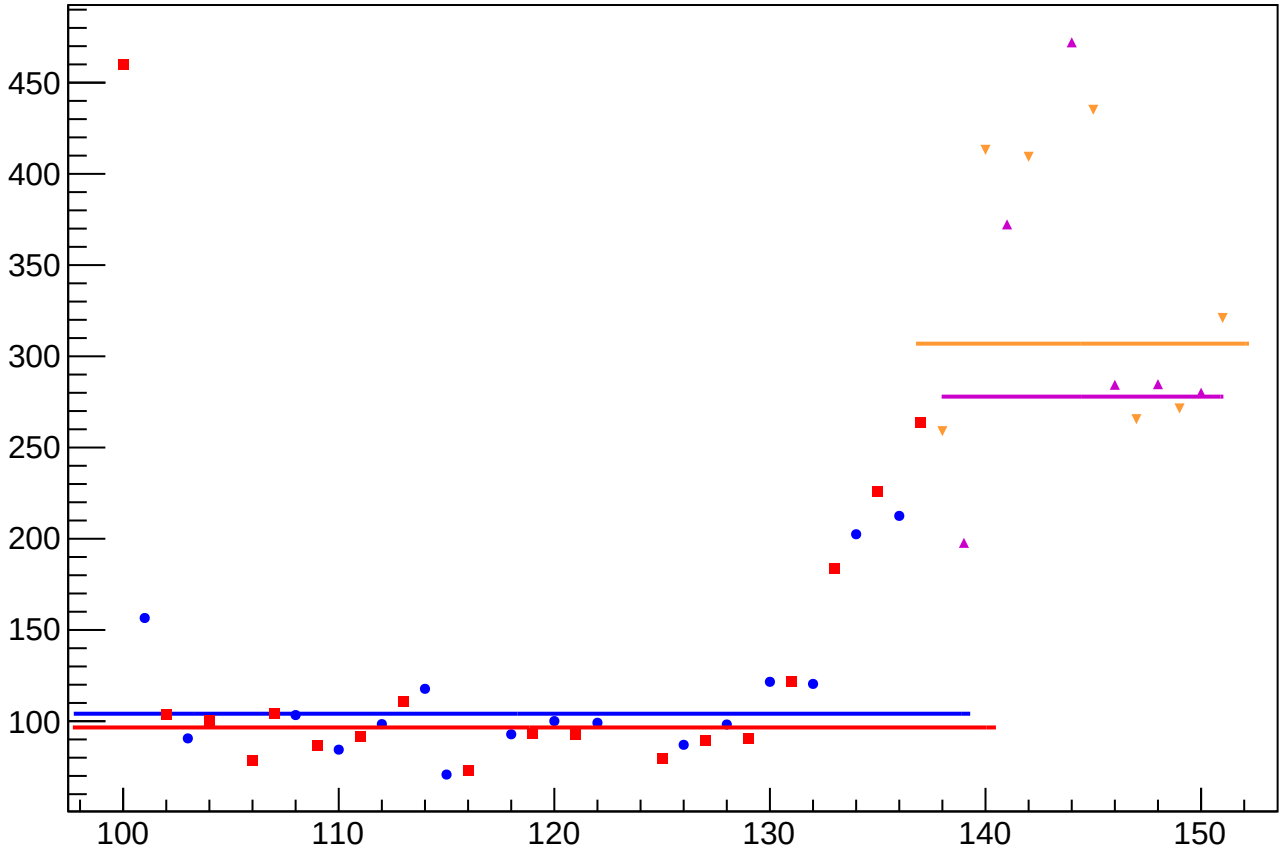
Left In: -0.187+/-0.127 χ^2/NDF:7.8/5

+ sign 0.020+/-0.039 χ^2/NDF: 23.0/22

All: 0.018+/-0.027 χ^2/NDF: 55.8/46

- sign 0.017+/-0.037 χ^2/NDF: 32.7/23

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 306.934+/-0.096 χ^2/NDF:420823.2/6

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

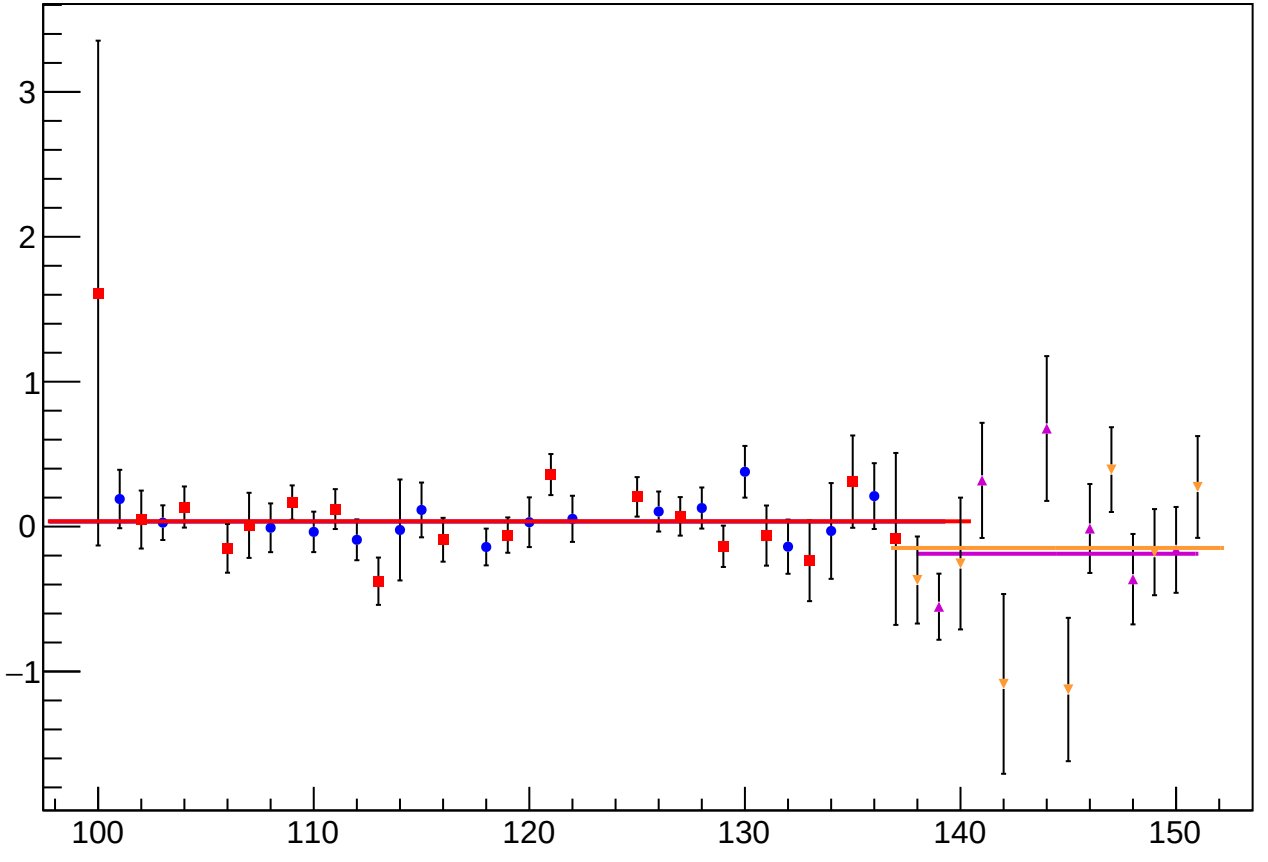
Left In: 277.901+/-0.090 χ^2/NDF:663792.3/5

+ sign 120.920+/-0.028 χ^2/NDF: 5463911.5/22

All: 116.261+/-0.019 χ^2/NDF: 10855256.1/46

- sign 112.085+/-0.026 χ^2/NDF: 5338021.8/23

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.147+/-0.136 χ^2/NDF:11.6/6

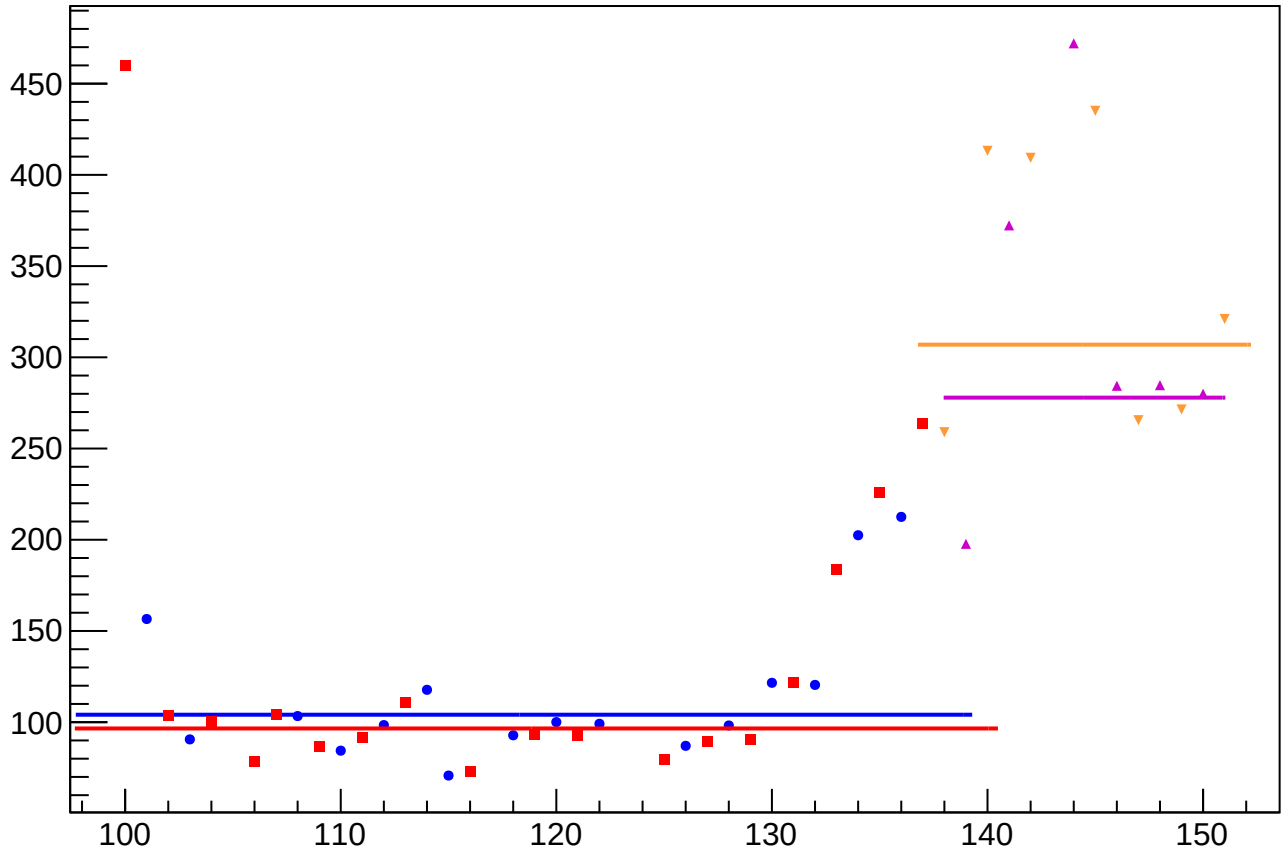
Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: -0.187+/-0.127 χ^2/NDF:7.8/5

+ sign 0.020+/-0.039 χ^2/NDF: 23.0/22

All: 0.018+/-0.027 χ^2/NDF: 55.8/46

- sign 0.017+/-0.037 χ^2/NDF: 32.7/23



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 306.934+/-0.096 χ^2/NDF:420823.2/6

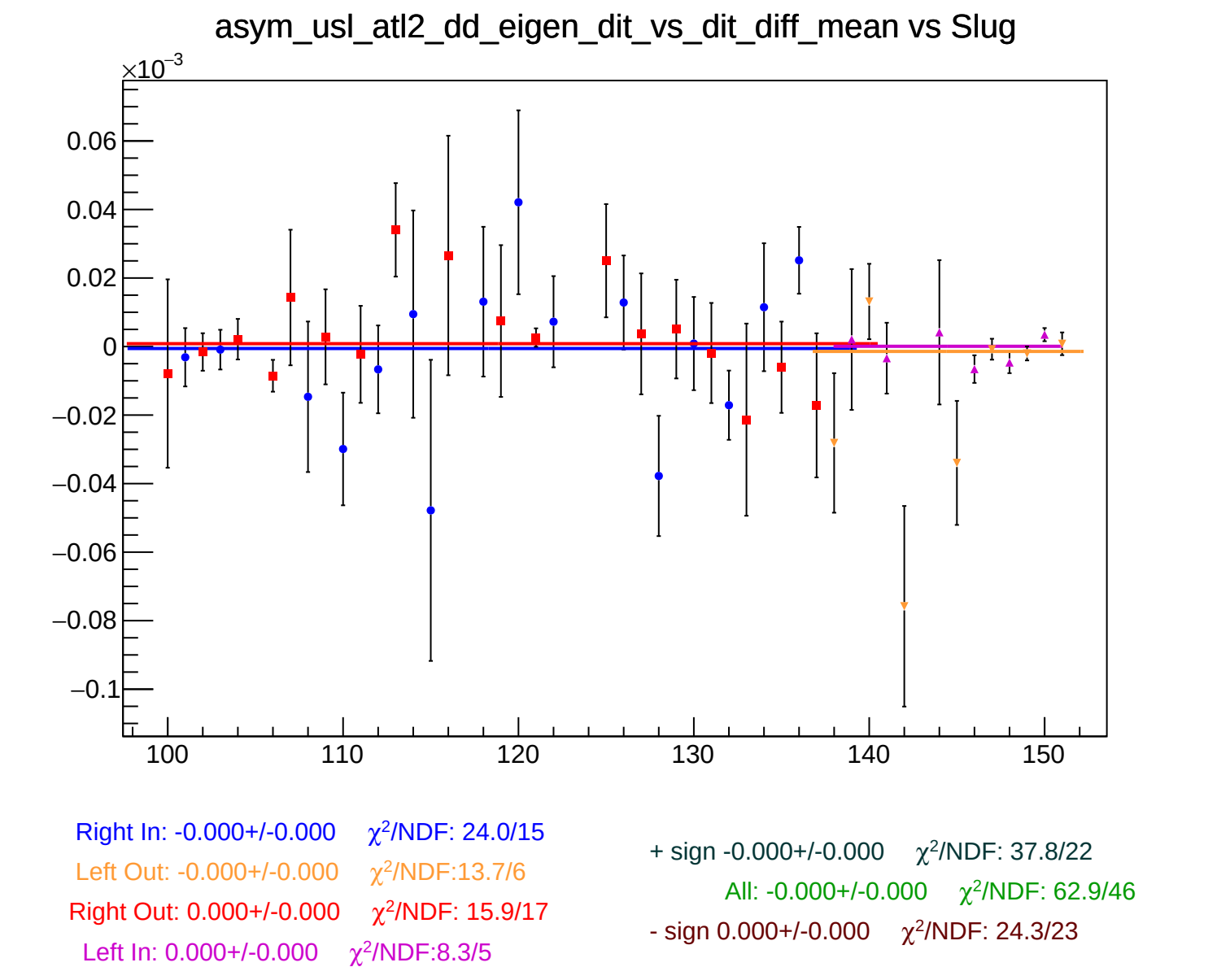
Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 277.901+/-0.090 χ^2/NDF:663792.3/5

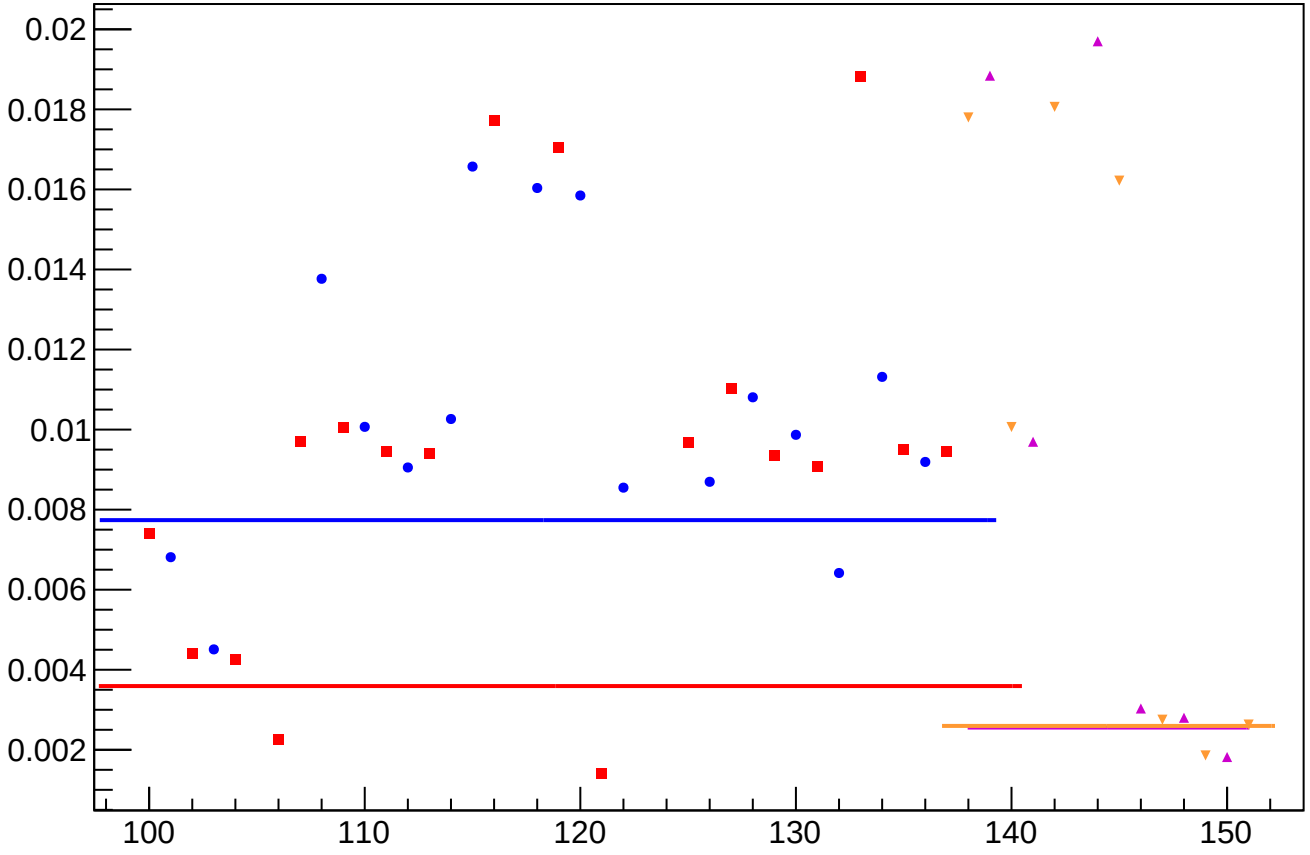
+ sign 120.920+/-0.028 χ^2/NDF: 5463911.5/22

All: 116.261+/-0.019 χ^2/NDF: 10855256.1/46

- sign 112.085+/-0.026 χ^2/NDF: 5338021.8/23


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
Right In: -0.000+/-0.000 χ²/NDF: 24.0/15
Left Out: -0.000+/-0.000 χ²/NDF:13.7/6
Right Out: 0.000+/-0.000 χ²/NDF: 15.9/17
Left In: 0.000+/-0.000 χ²/NDF:8.3/5
+ sign -0.000+/-0.000 χ²/NDF: 37.8/22
All: -0.000+/-0.000 χ²/NDF: 62.9/46
- sign 0.000+/-0.000 χ²/NDF: 24.3/23

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:3993773.8/6

Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

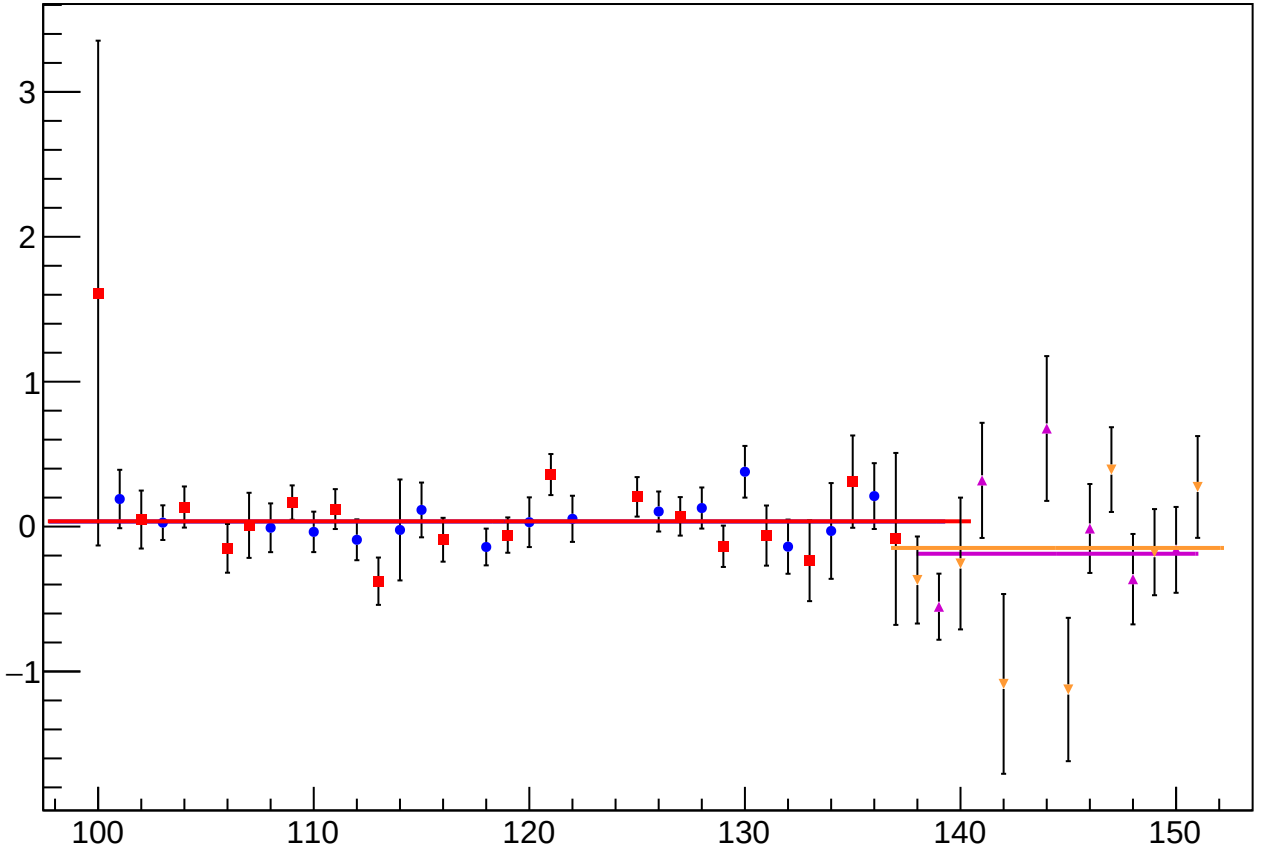
Left In: 0.003+/-0.000 χ^2/NDF:3868898.7/5

\+ sign 0.004+/-0.000 χ^2/NDF: 10143271.6/22

All: 0.003+/-0.000 χ^2/NDF: 20976845.1/46

\- sign 0.003+/-0.000 χ^2/NDF: 10616572.2/23

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.147+/-0.136 χ^2/NDF:11.6/6

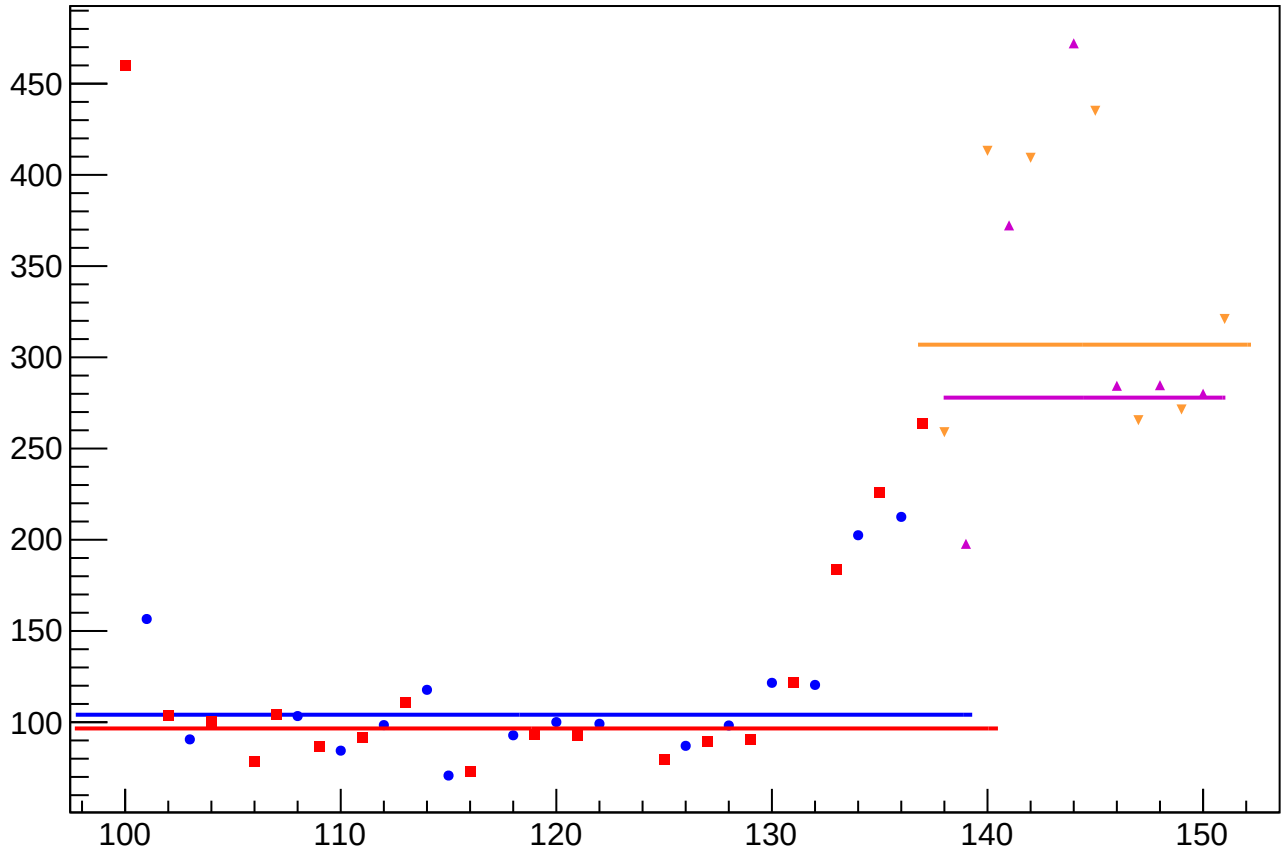
Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: -0.187+/-0.127 χ^2/NDF:7.8/5

+ sign 0.020+/-0.039 χ^2/NDF: 23.0/22

All: 0.018+/-0.027 χ^2/NDF: 55.8/46

- sign 0.017+/-0.037 χ^2/NDF: 32.7/23



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 306.935+/-0.096 χ^2/NDF:420853.3/6

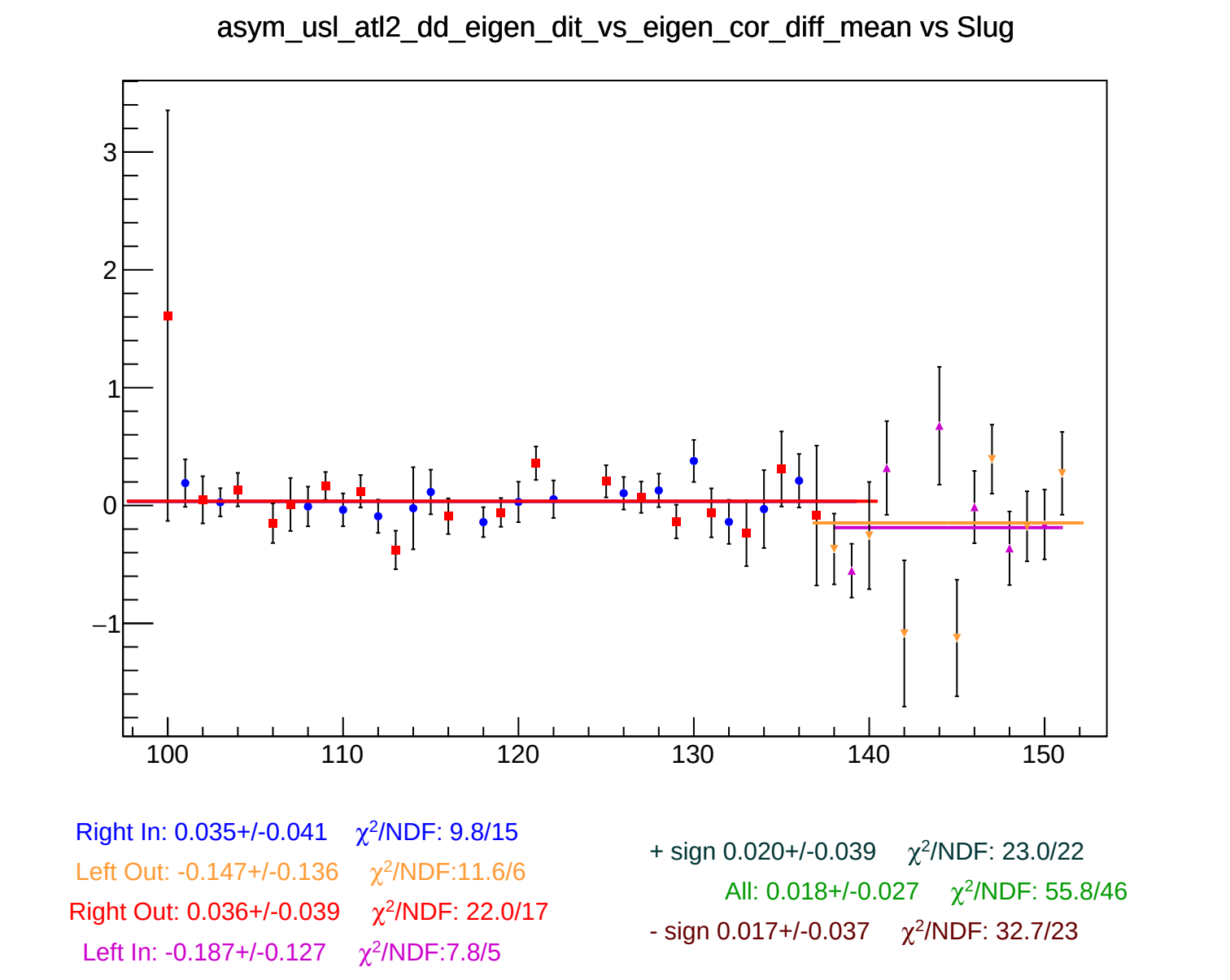
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

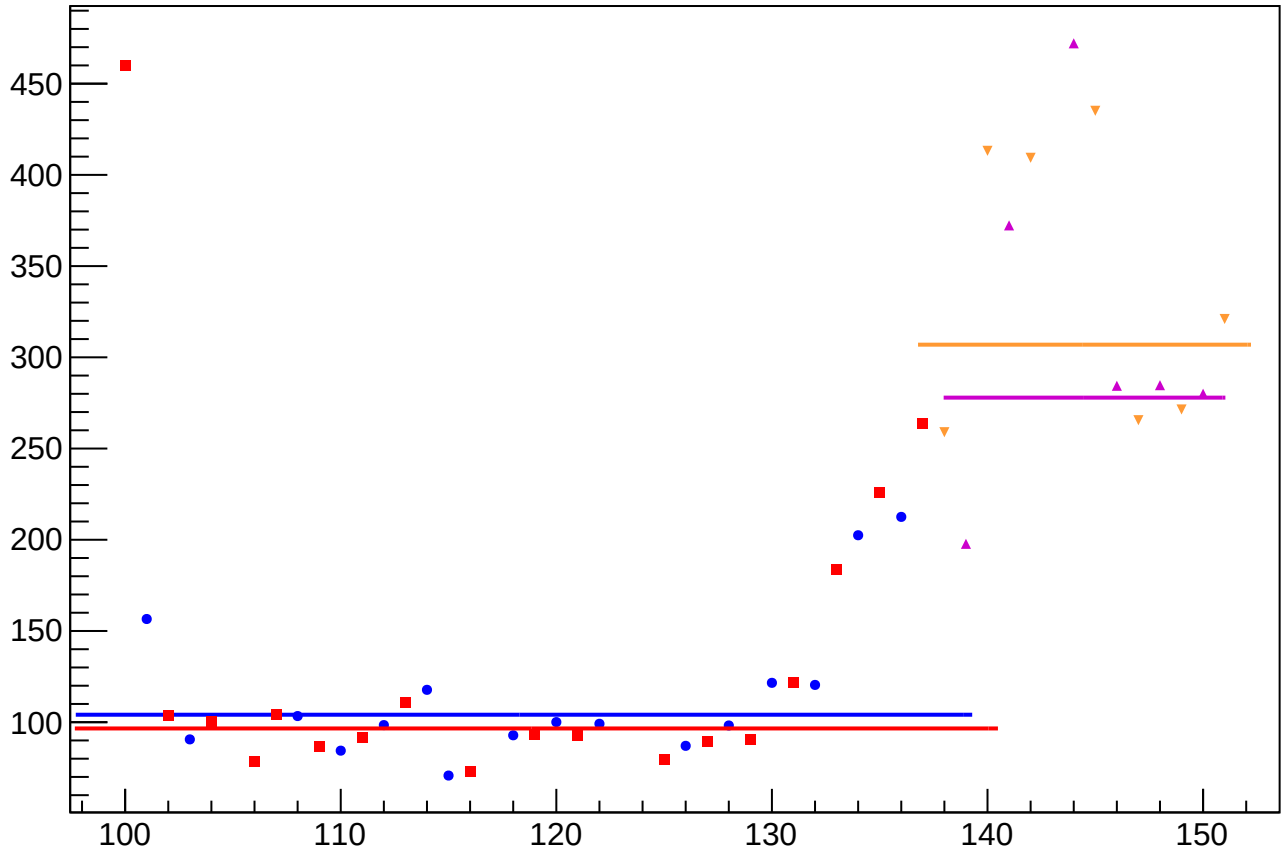
Left In: 277.905+/-0.090 χ^2/NDF:663767.8/5

+ sign 120.921+/-0.028 χ^2/NDF: 5463871.6/22

All: 116.262+/-0.019 χ^2/NDF: 10855122.4/46

- sign 112.086+/-0.026 χ^2/NDF: 5337934.9/23


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
100
110
120
130
140
150
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: -0.147+/-0.136 χ²/NDF:11.6/6
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.187+/-0.127 χ²/NDF:7.8/5
+ sign 0.020+/-0.039 χ²/NDF: 23.0/22
All: 0.018+/-0.027 χ²/NDF: 55.8/46
- sign 0.017+/-0.037 χ²/NDF: 32.7/23



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 306.935+/-0.096 χ^2/NDF:420853.3/6

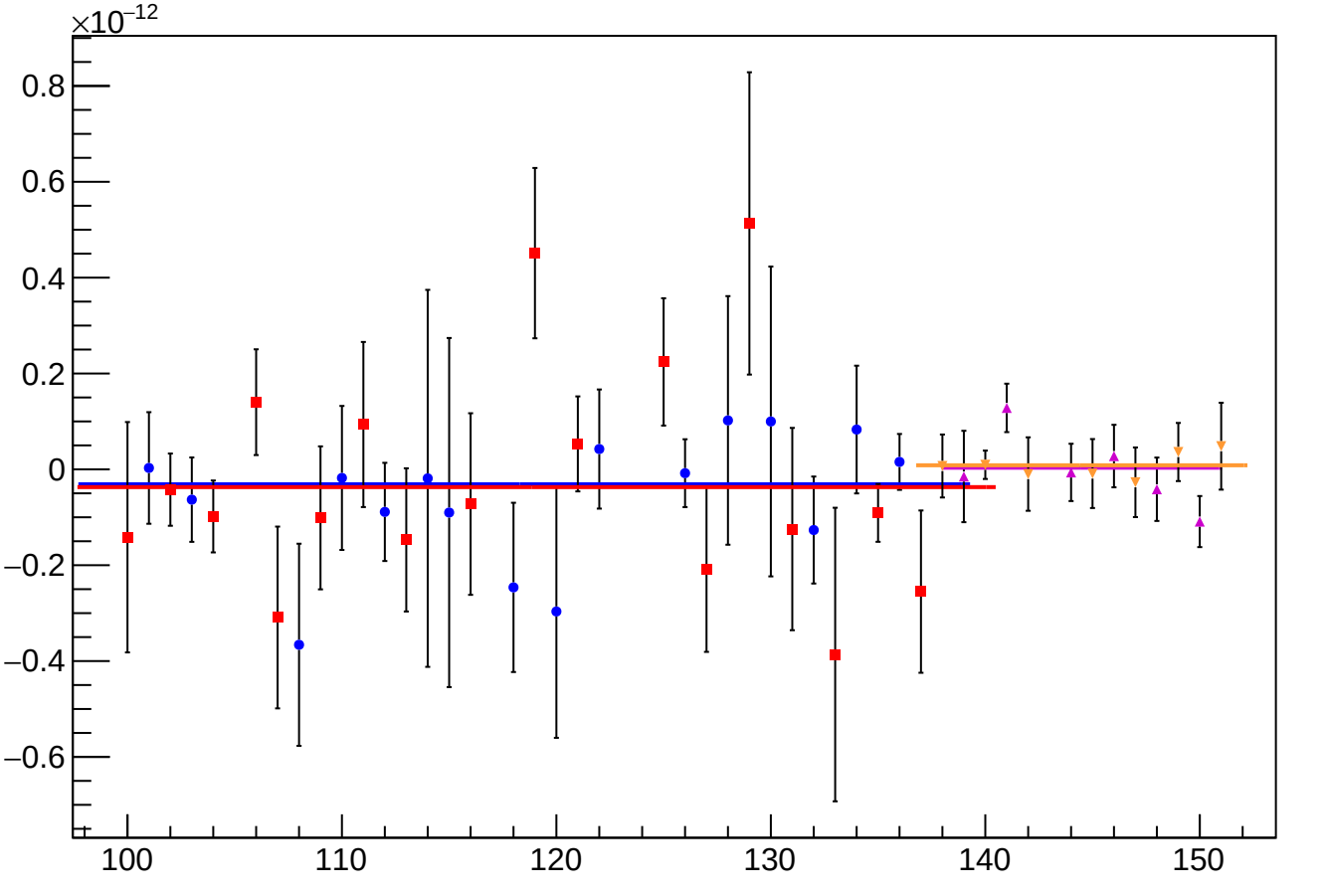
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 277.905+/-0.090 χ^2/NDF:663767.8/5

+ sign 120.921+/-0.028 χ^2/NDF: 5463871.6/22

All: 116.262+/-0.019 χ^2/NDF: 10855122.4/46

- sign 112.086+/-0.026 χ^2/NDF: 5337934.9/23



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.8/6

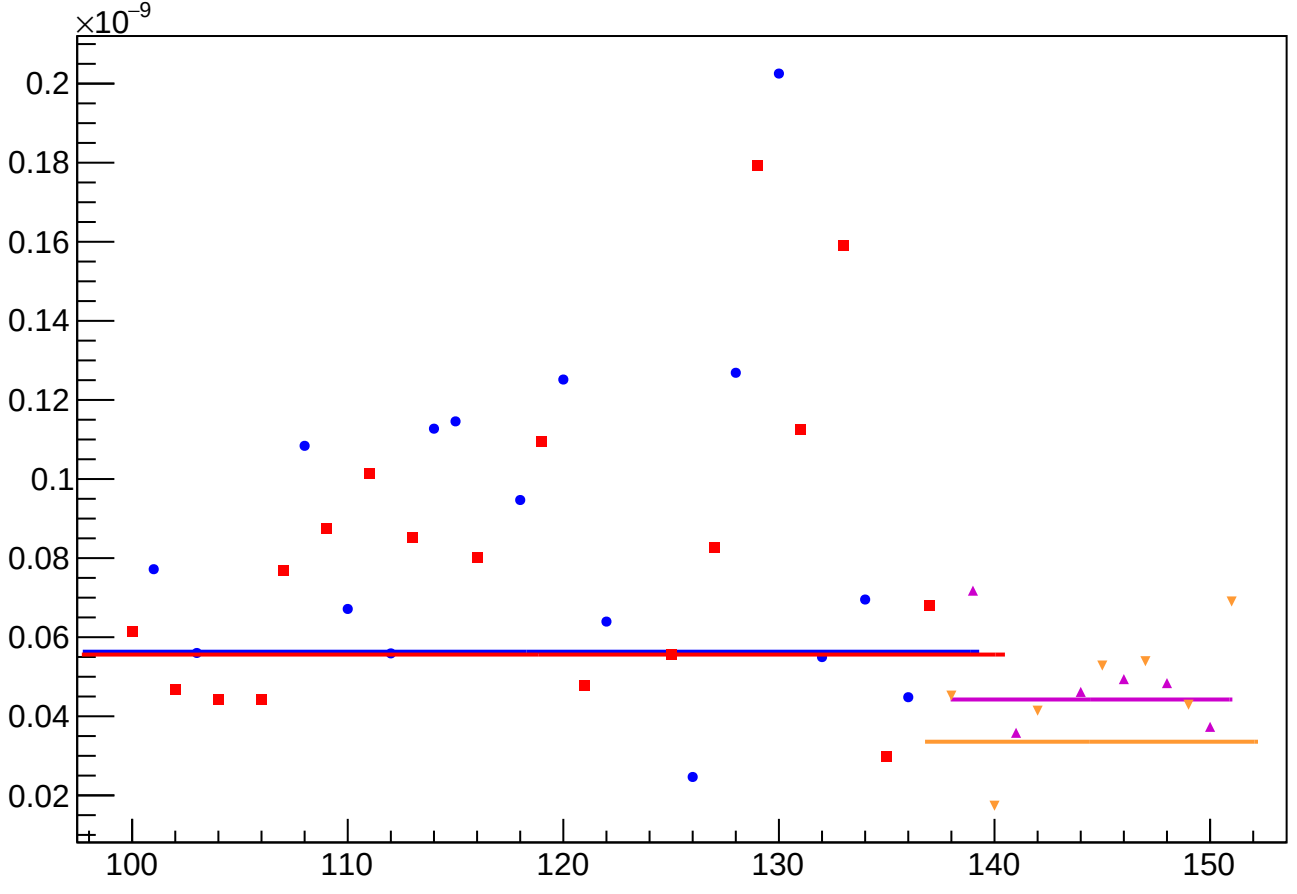
Right Out: -0.000+/-0.000 χ^2/NDF: 27.0/17

Left In: 0.000+/-0.000 χ^2/NDF:11.2/5

+ sign -0.000+/-0.000 χ^2/NDF: 10.5/22

All: -0.000+/-0.000 χ^2/NDF: 50.1/46

- sign -0.000+/-0.000 χ^2/NDF: 39.4/23



Right In: 0.000+/-0.000 χ^2/NDF: 1582688.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1335647.4/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1767462.9/17

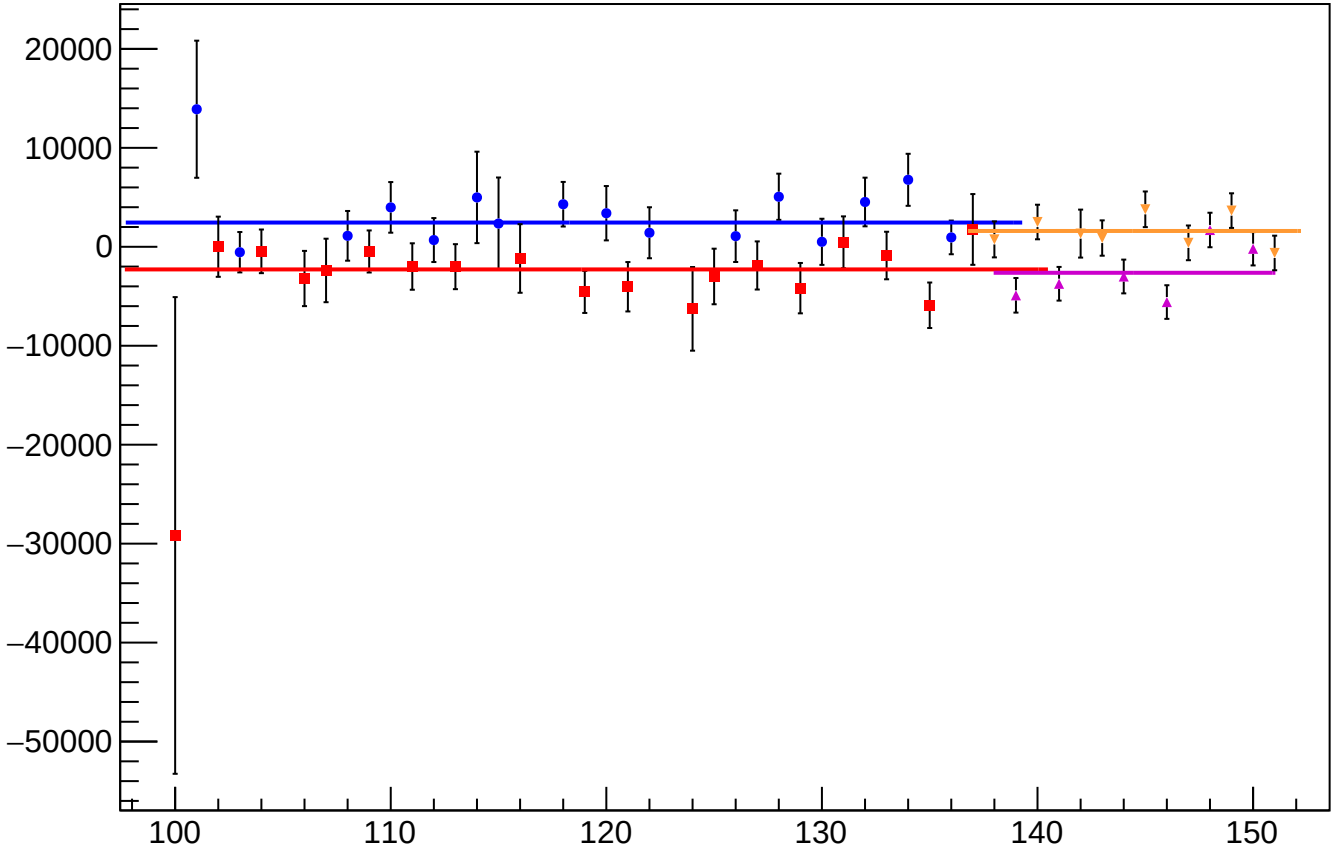
Left In: 0.000+/-0.000 χ^2/NDF:278375.9/5

+ sign 0.000+/-0.000 χ^2/NDF: 3712590.6/22

All: 0.000+/-0.000 χ^2/NDF: 6137081.8/46

- sign 0.000+/-0.000 χ^2/NDF: 2223643.3/23

reg_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 1598.534+/-645.454 χ^2/NDF:5.6/7

Right Out: -2286.573+/-609.157 χ^2/NDF: 11.8/18

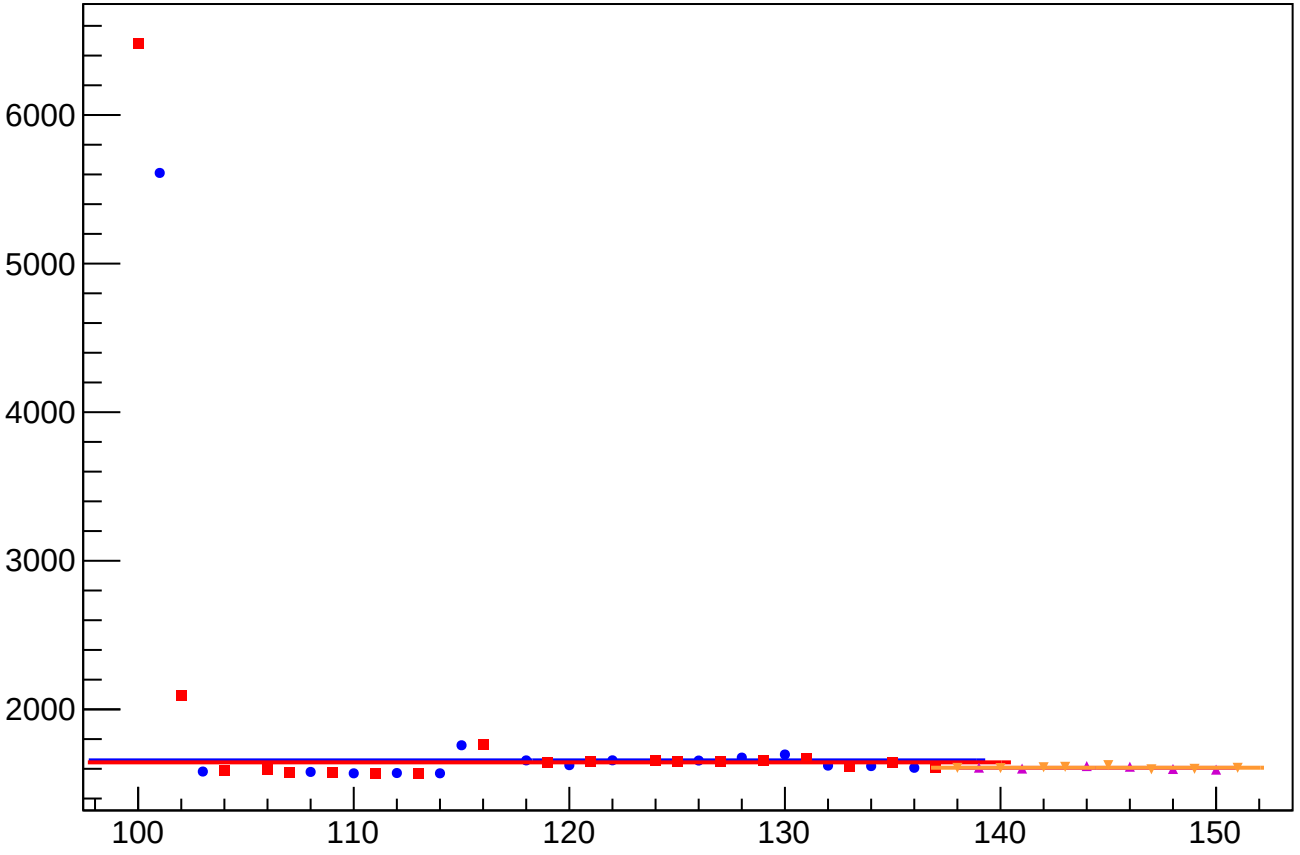
Left In: -2627.140+/-699.409 χ^2/NDF:13.4/5

+ sign 2034.402+/-450.928 χ^2/NDF: 20.3/23

All: -158.175+/-321.793 χ^2/NDF: 93.9/48

- sign -2433.479+/-459.356 χ^2/NDF: 25.4/24

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1607.442+/-0.456 χ^2/NDF:325.2/7

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

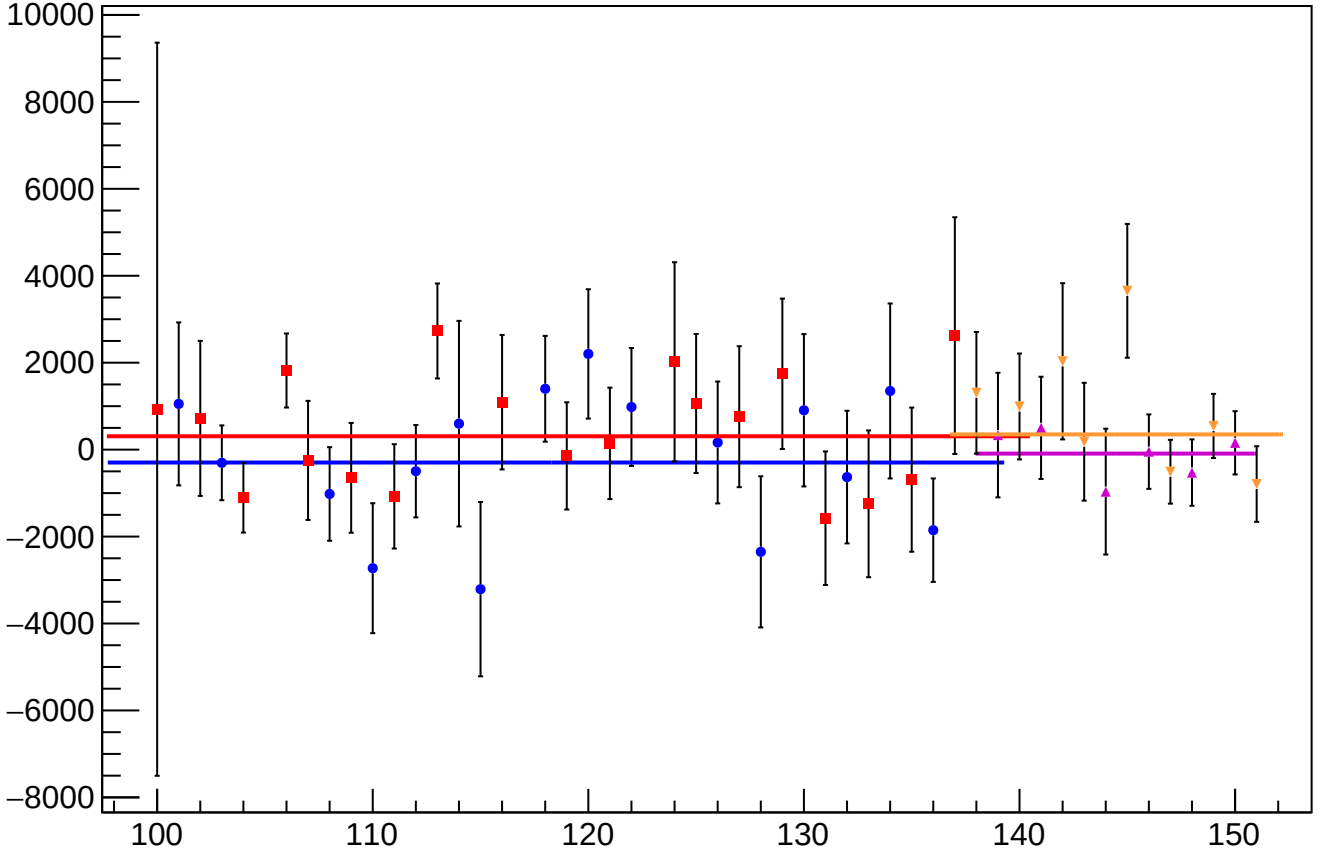
Left In: 1606.005+/-0.495 χ^2/NDF:295.9/5

+ sign 1632.650+/-0.319 χ^2/NDF: 672510.2/23

All: 1630.018+/-0.228 χ^2/NDF: 813199.3/48

- sign 1627.286+/-0.325 χ^2/NDF: 140550.2/24

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: -296.450+/-343.436 χ^2/NDF: 16.0/15

Left Out: 350.325+/-365.829 χ^2/NDF:9.4/7

Right Out: 307.671+/-312.976 χ^2/NDF: 18.7/18

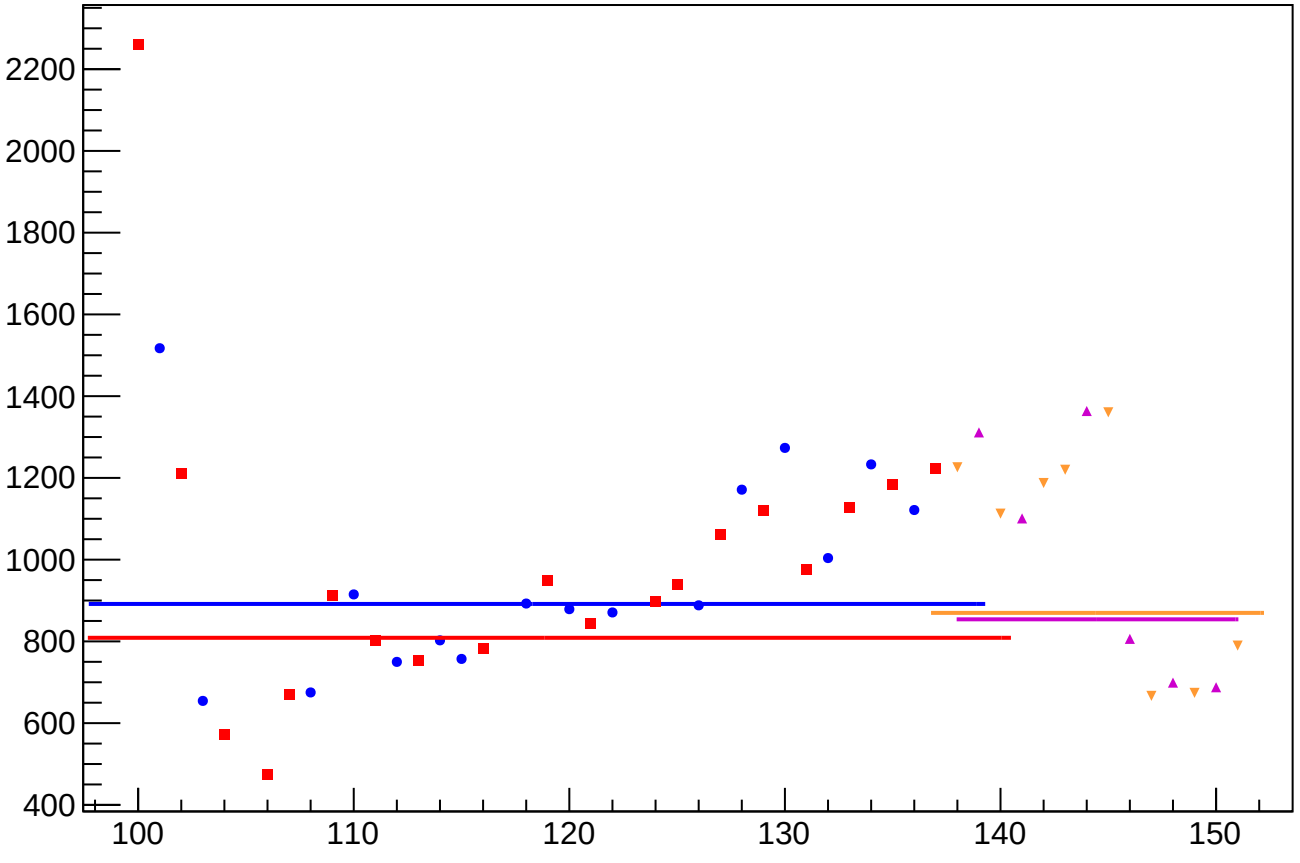
Left In: -91.134+/-387.651 χ^2/NDF:1.2/5

+ sign 6.538+/-250.388 χ^2/NDF: 27.0/23

All: 80.417+/-174.571 χ^2/NDF: 47.7/48

- sign 150.296+/-243.516 χ^2/NDF: 20.5/24

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 869.775+/-0.259 χ^2/NDF:918835.3/7

Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

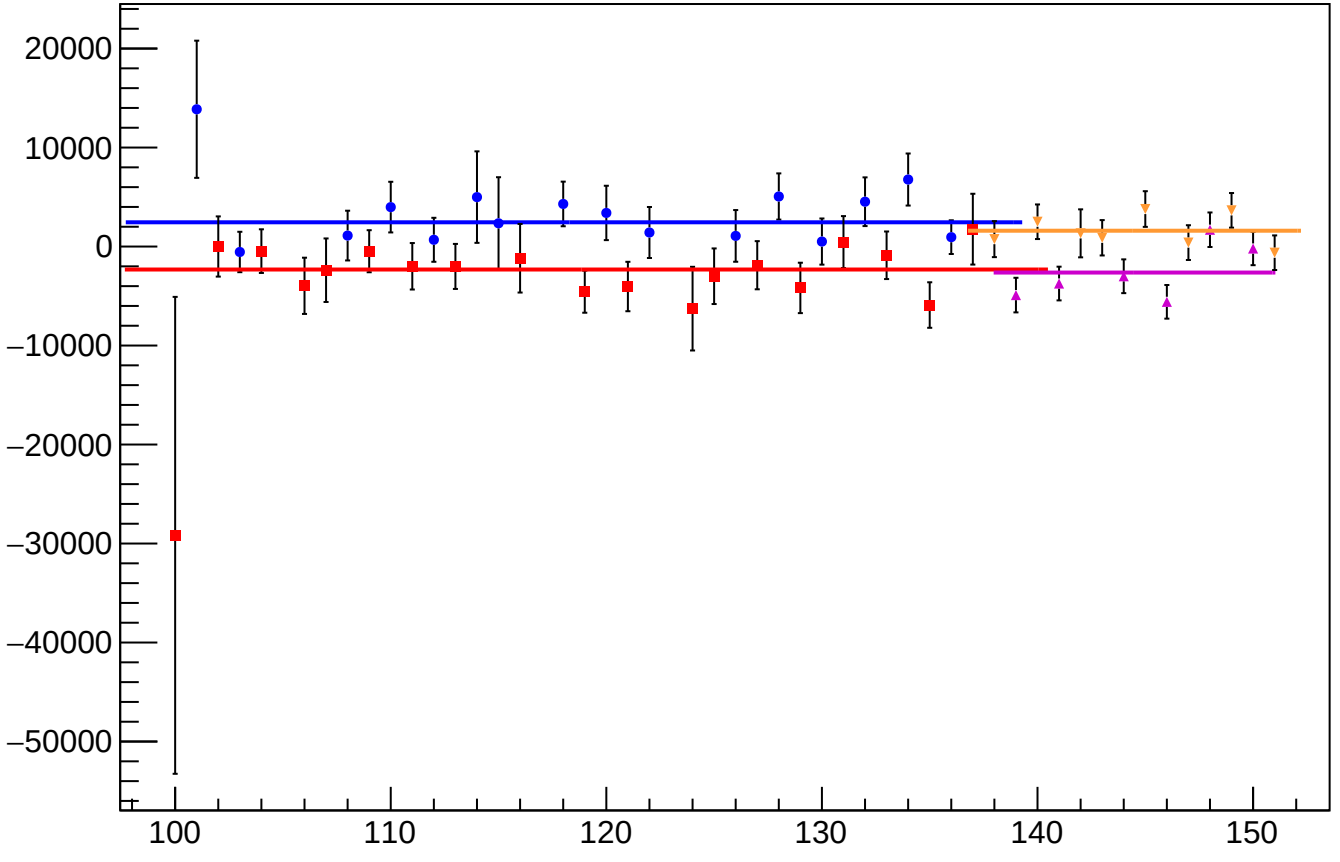
Left In: 853.989+/-0.274 χ^2/NDF:732485.2/5

+ sign 881.393+/-0.177 χ^2/NDF: 1716527.6/23

All: 853.254+/-0.123 χ^2/NDF: 3598453.6/48

- sign 826.638+/-0.172 χ^2/NDF: 1832773.3/24

cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 1598.549+/-645.454 χ^2/NDF:5.6/7

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

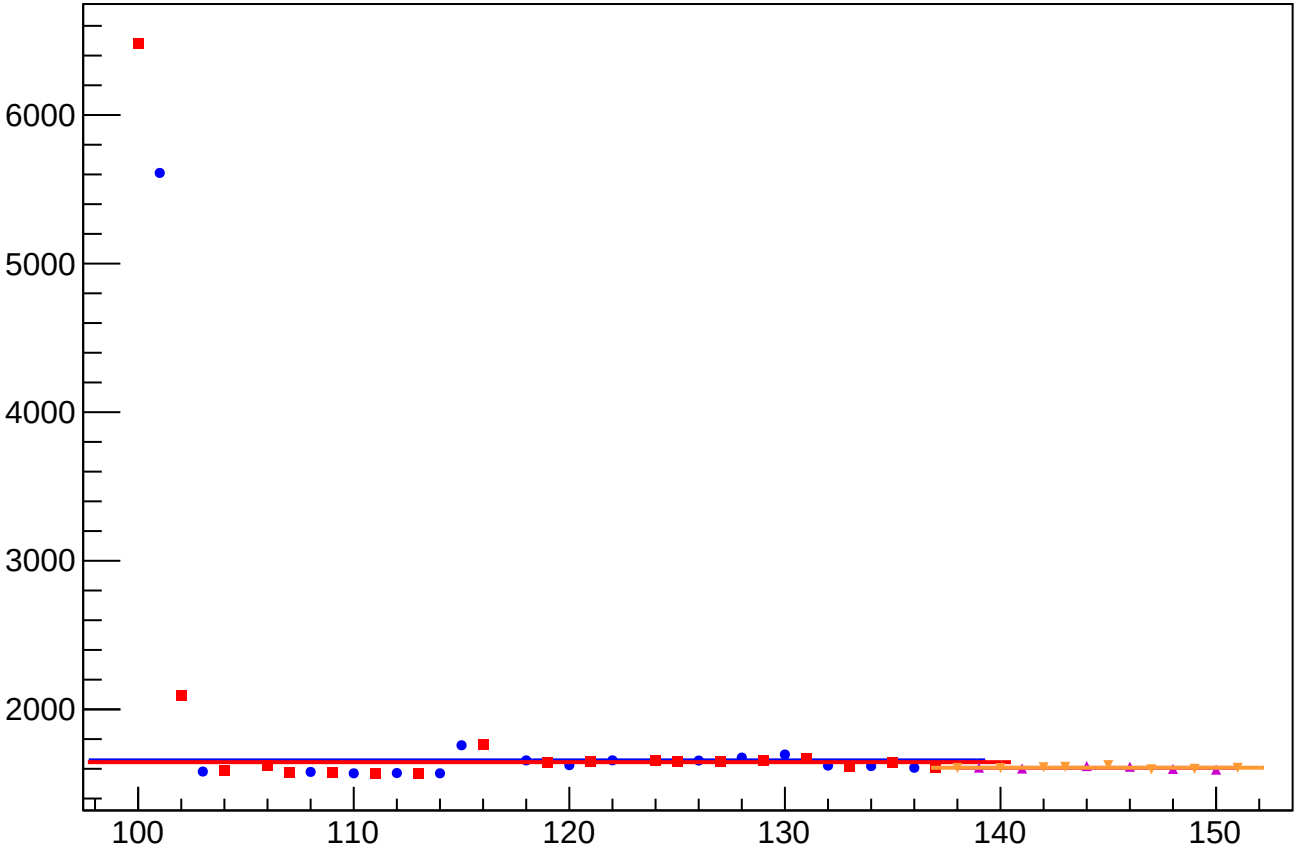
Left In: -2627.353+/-699.409 χ^2/NDF:13.4/5

+ sign 2034.122+/-450.928 χ^2/NDF: 20.3/23

All: -166.866+/-321.866 χ^2/NDF: 94.5/48

- sign -2453.029+/-459.570 χ^2/NDF: 25.6/24

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1607.442+/-0.456 χ^2/NDF:325.2/7

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

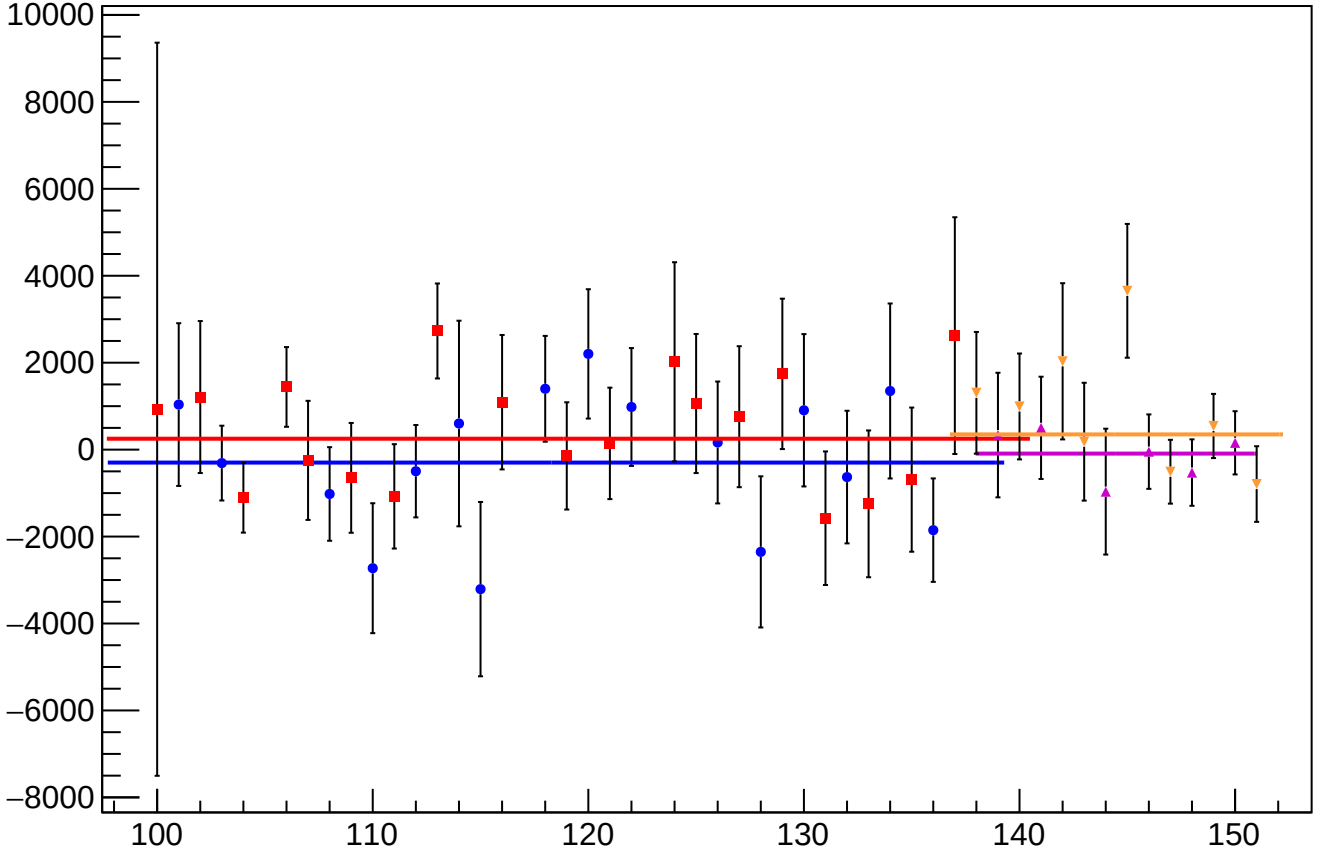
Left In: 1606.005+/-0.495 χ^2/NDF:295.9/5

+ sign 1632.650+/-0.319 χ^2/NDF: 672509.8/23

All: 1630.375+/-0.228 χ^2/NDF: 812877.2/48

- sign 1628.012+/-0.325 χ^2/NDF: 140263.6/24

asym_usr_atr1_avg_cor_correction_mean vs Slug



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: 350.203+/-365.822 χ^2/NDF:9.4/7

Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

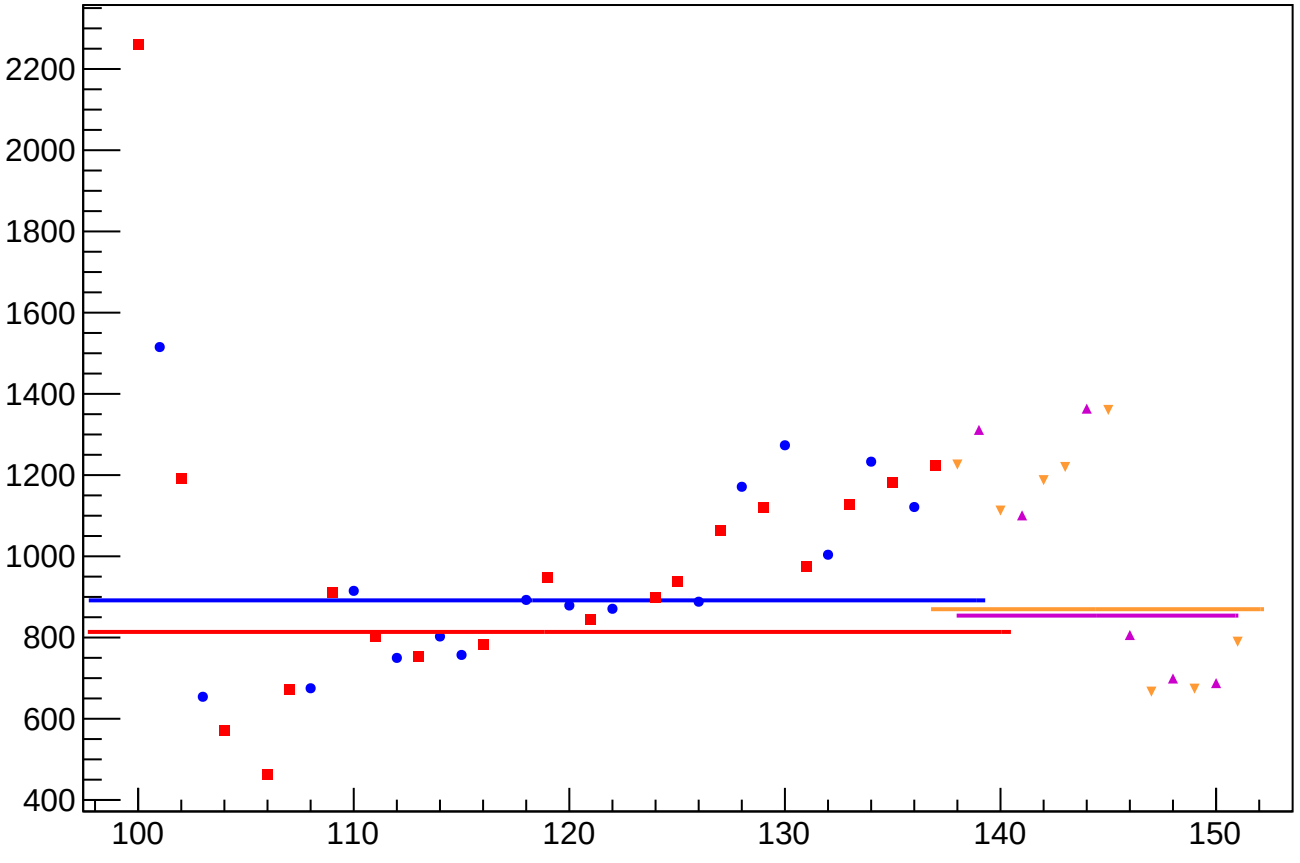
Left In: -91.172+/-387.654 χ^2/NDF:1.2/5

+ sign 5.729+/-250.369 χ^2/NDF: 27.0/23

All: 61.421+/-175.041 χ^2/NDF: 46.0/48

- sign 114.669+/-244.816 χ^2/NDF: 18.9/24

asym_usr_atr1_avg_cor_correction_rms vs Slug



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 869.757+/-0.259 χ^2/NDF:918867.0/7

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

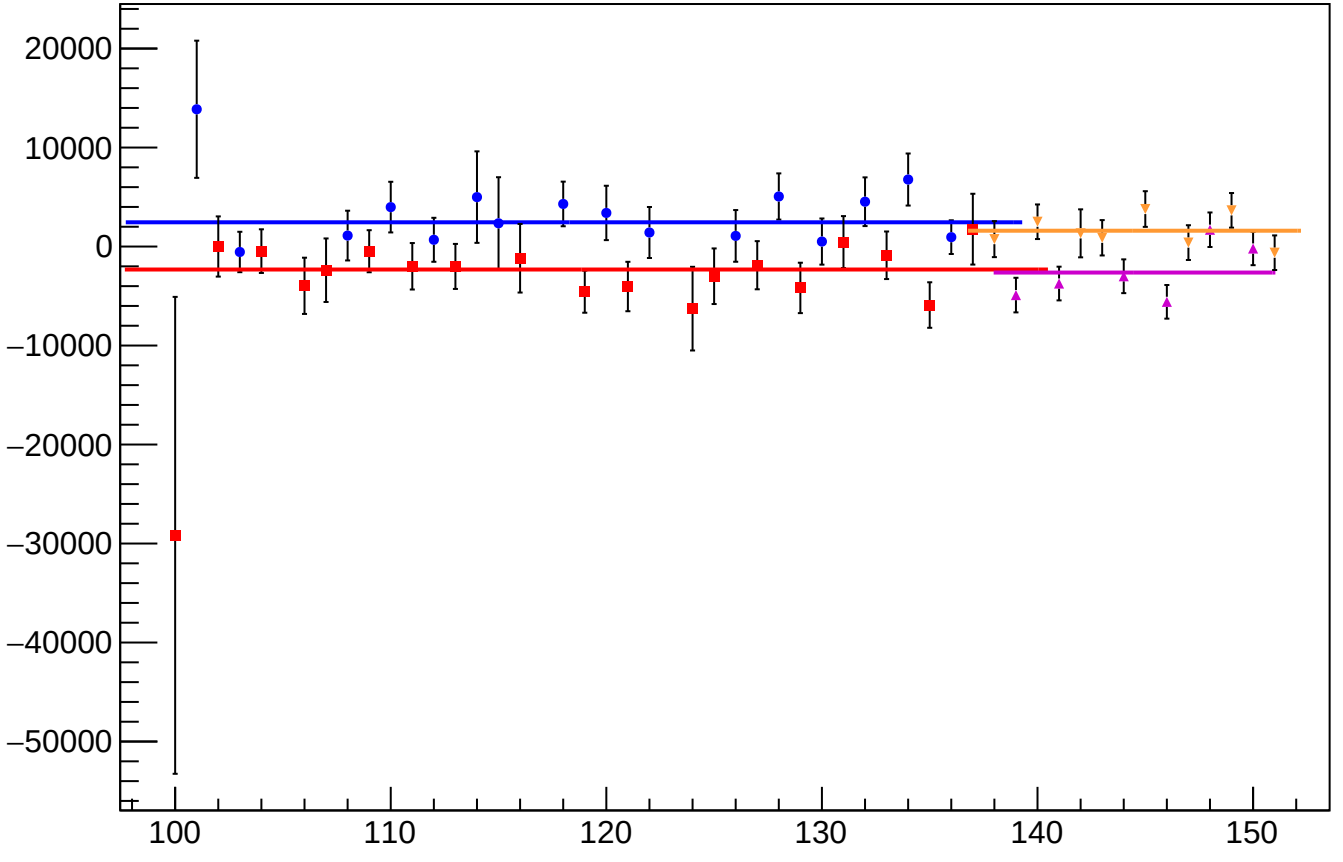
Left In: 853.998+/-0.274 χ^2/NDF:732470.7/5

+ sign 881.333+/-0.177 χ^2/NDF: 1716291.4/23

All: 855.008+/-0.124 χ^2/NDF: 3557931.6/48

- sign 829.837+/-0.173 χ^2/NDF: 1798386.3/24

eigen_cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 1598.549+/-645.454 χ^2/NDF:5.6/7

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

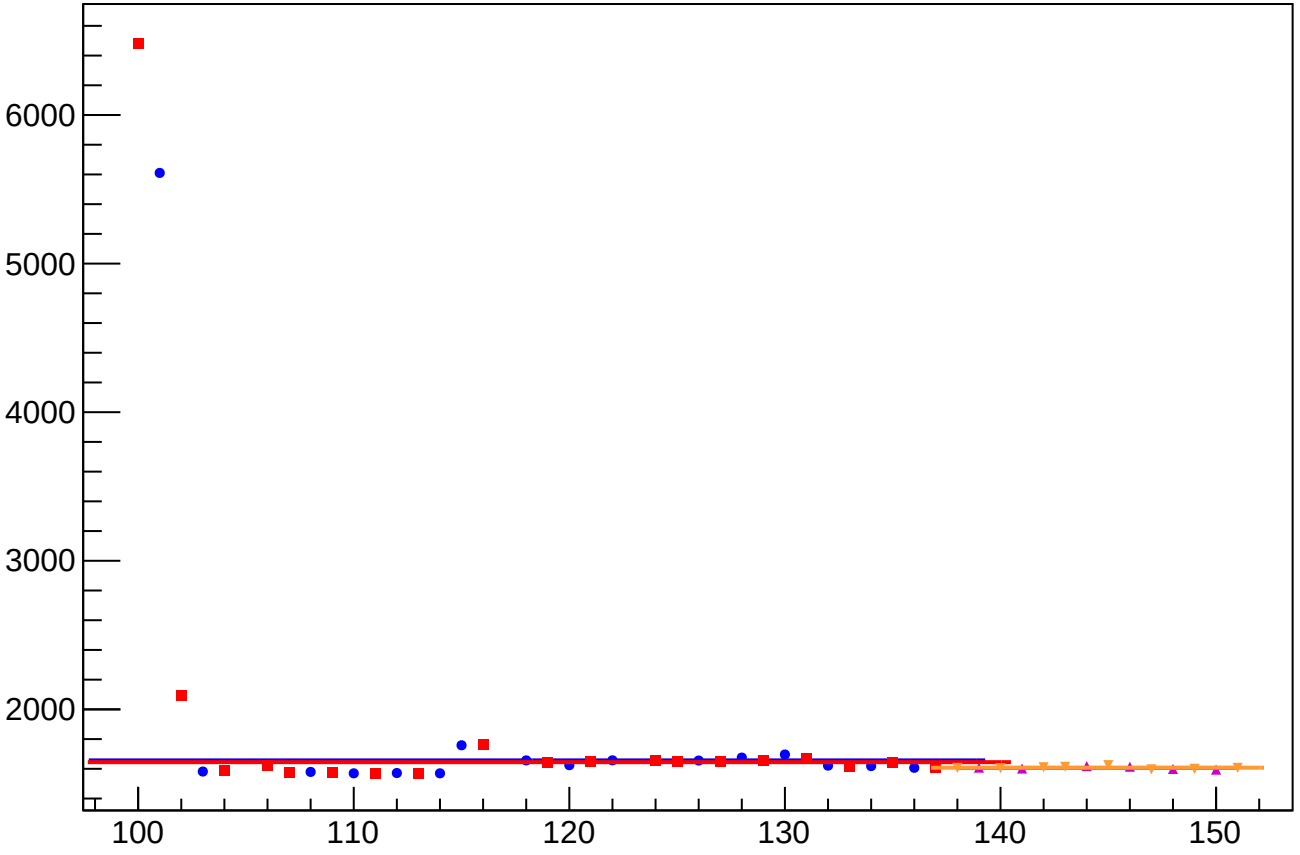
Left In: -2627.353+/-699.409 χ^2/NDF:13.4/5

+ sign 2034.122+/-450.928 χ^2/NDF: 20.3/23

All: -166.866+/-321.866 χ^2/NDF: 94.5/48

- sign -2453.029+/-459.570 χ^2/NDF: 25.6/24

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1607.442+/-0.456 χ^2/NDF:325.2/7

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

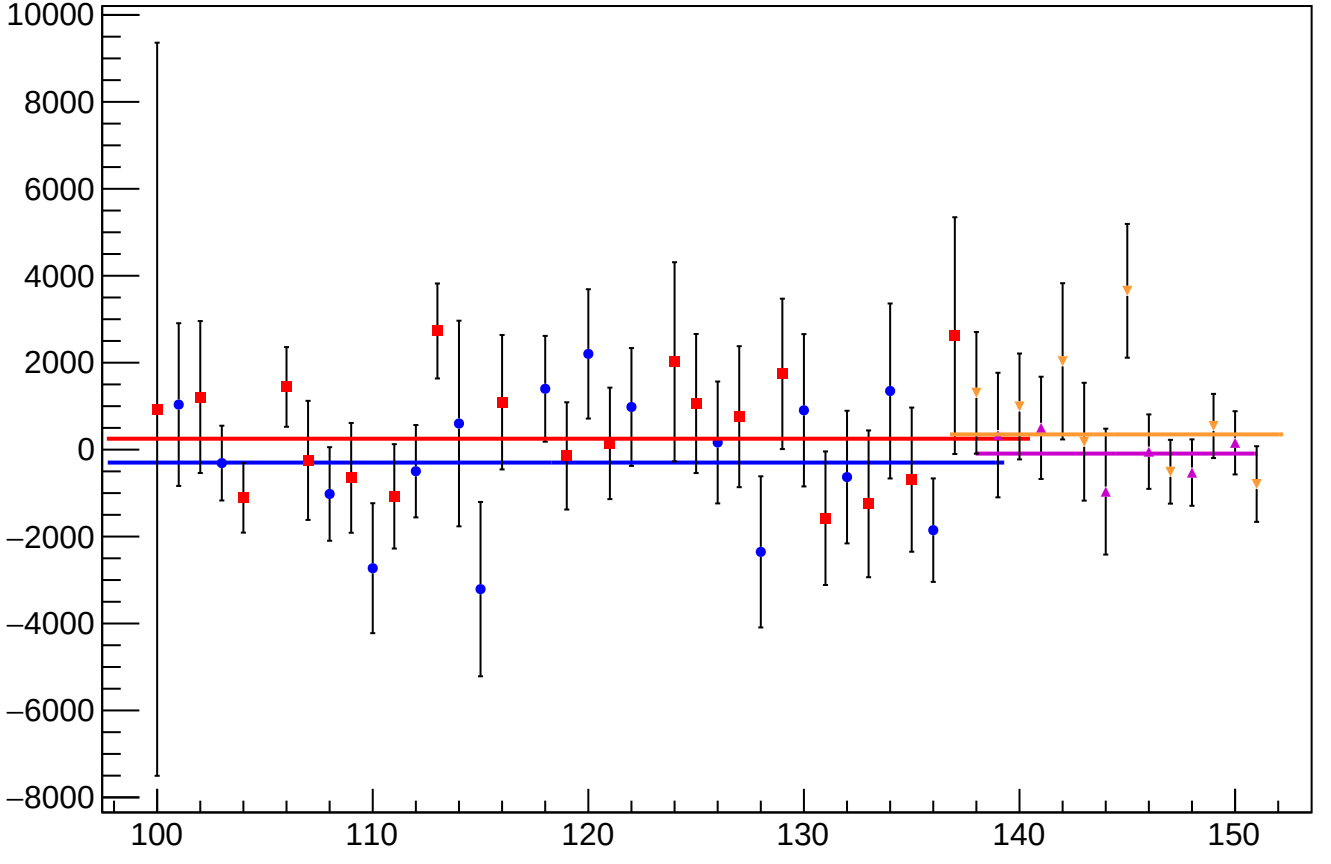
Left In: 1606.005+/-0.495 χ^2/NDF:295.9/5

+ sign 1632.650+/-0.319 χ^2/NDF: 672509.8/23

All: 1630.375+/-0.228 χ^2/NDF: 812877.2/48

- sign 1628.012+/-0.325 χ^2/NDF: 140263.6/24

asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: 350.203+/-365.822 χ^2/NDF:9.4/7

Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

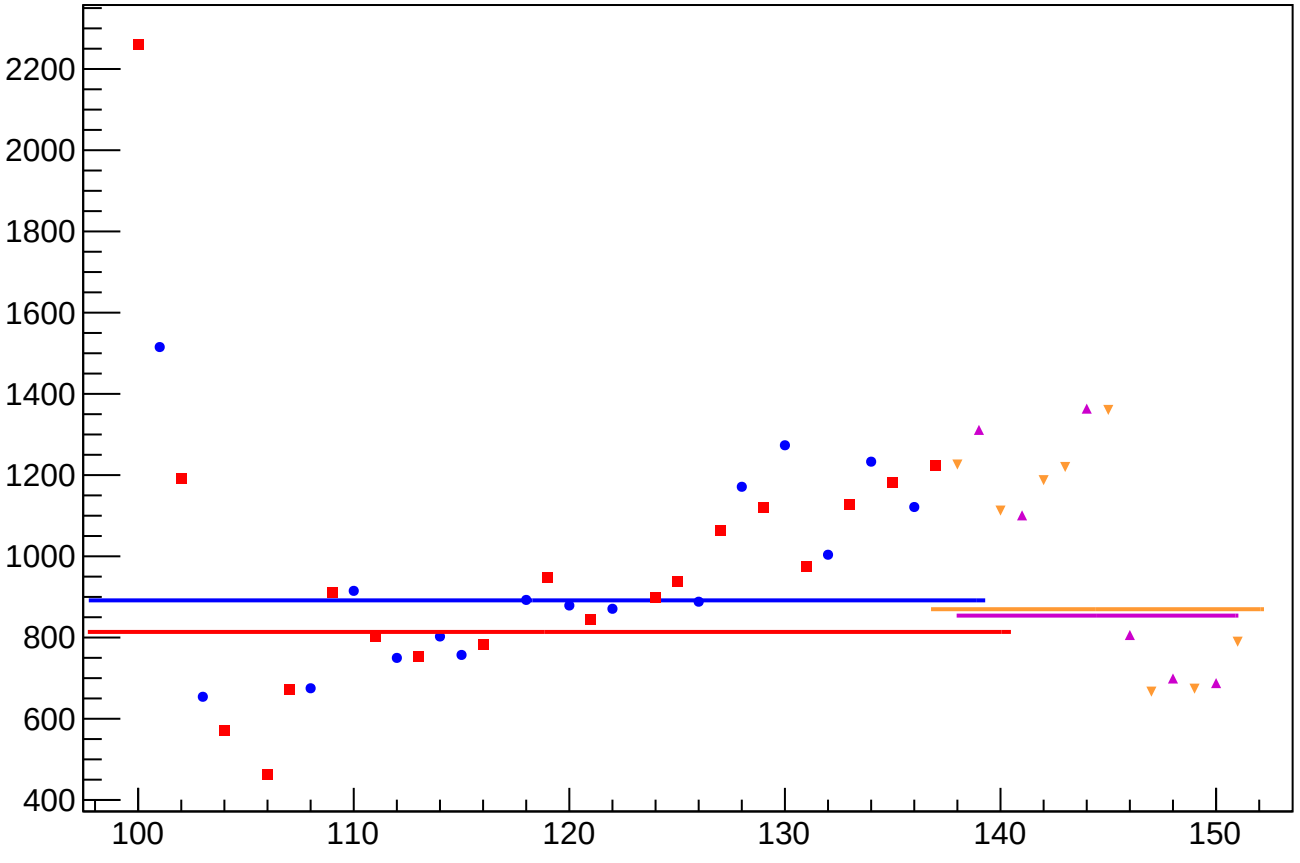
Left In: -91.172+/-387.654 χ^2/NDF:1.2/5

+ sign 5.729+/-250.369 χ^2/NDF: 27.0/23

All: 61.421+/-175.041 χ^2/NDF: 46.0/48

- sign 114.669+/-244.816 χ^2/NDF: 18.9/24

asym_usr_atr1_avg_eigen_cor_correction_rms vs Slug



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 869.757+/-0.259 χ^2/NDF:918867.0/7

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

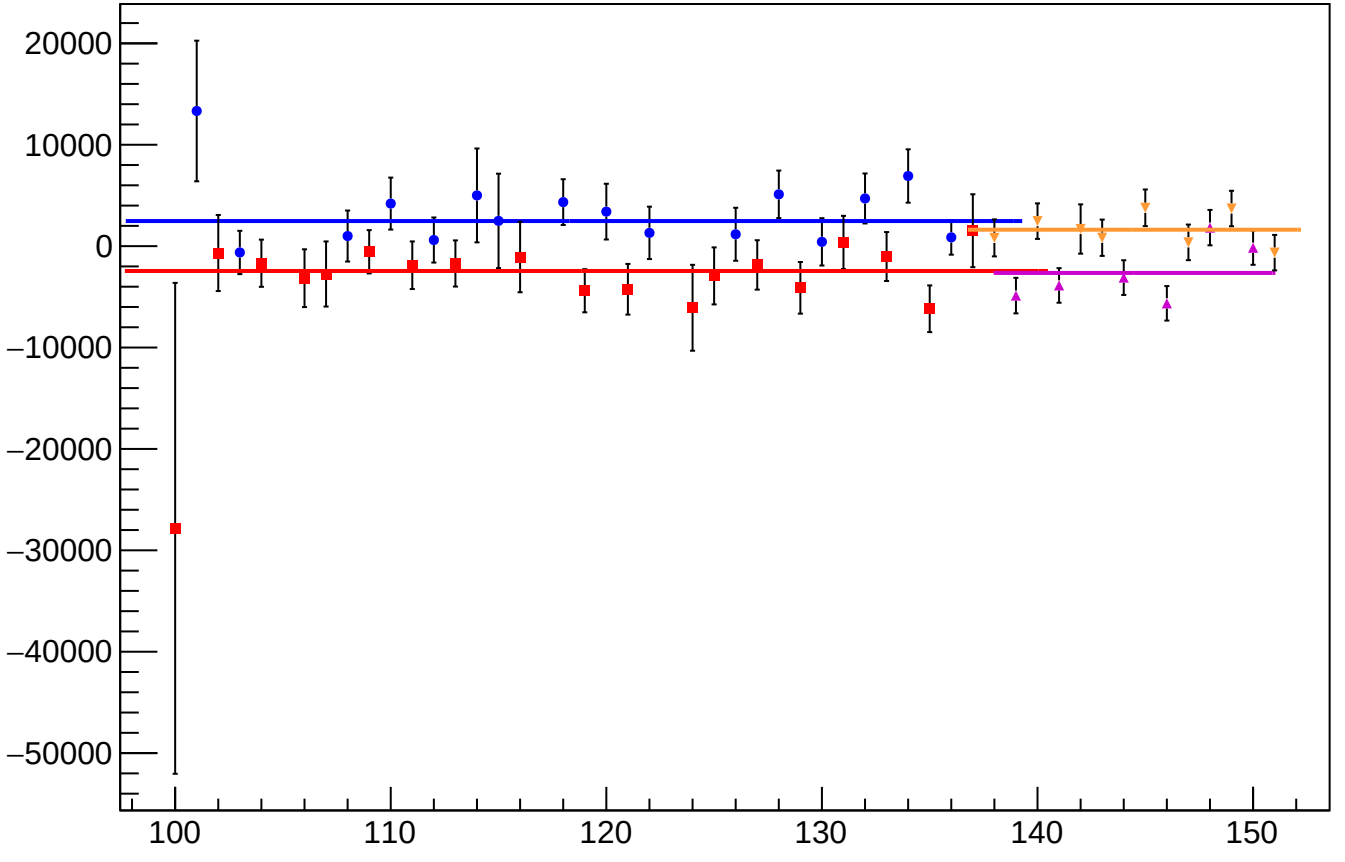
Left In: 853.998+/-0.274 χ^2/NDF:732470.7/5

+ sign 881.333+/-0.177 χ^2/NDF: 1716291.4/23

All: 855.008+/-0.124 χ^2/NDF: 3557931.6/48

- sign 829.837+/-0.173 χ^2/NDF: 1798386.3/24

dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 1619.088+/-646.672 χ^2/NDF:5.7/7

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

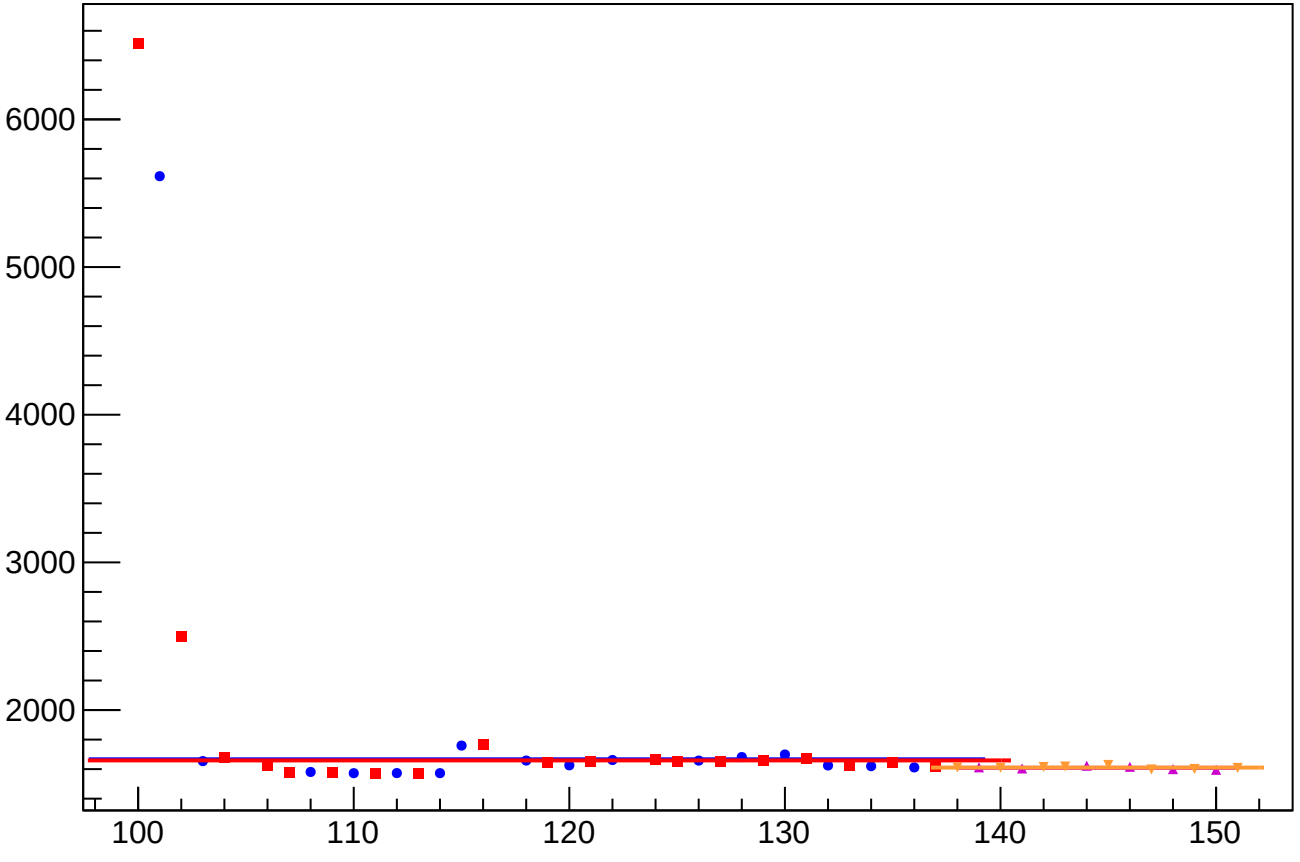
Left In: -2641.821+/-700.516 χ^2/NDF:14.1/5

+ sign 2055.720+/-452.671 χ^2/NDF: 20.8/23

All: -185.884+/-323.757 χ^2/NDF: 95.6/48

- sign -2533.348+/-463.236 χ^2/NDF: 24.7/24

dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1610.464+/-0.457 χ^2/NDF:398.5/7

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

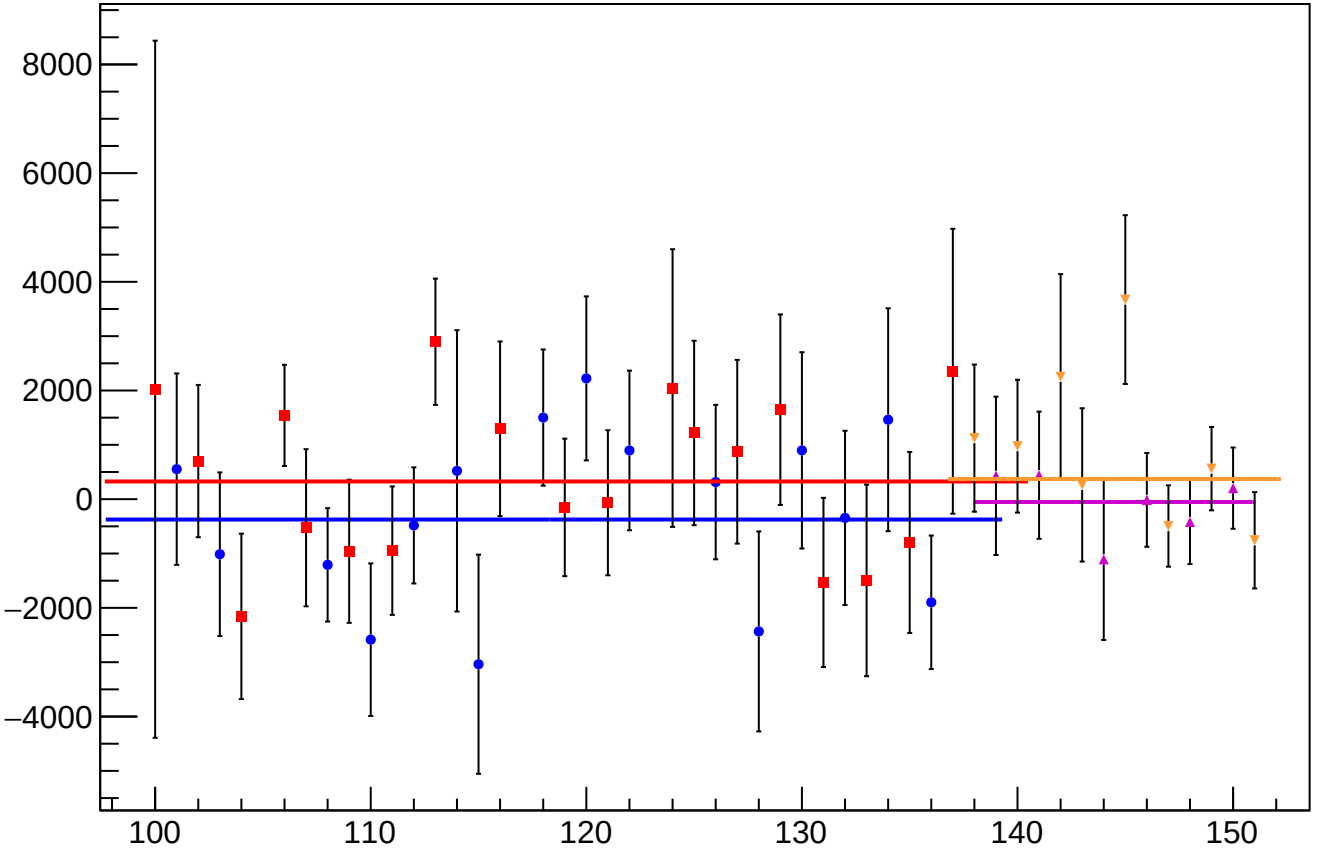
Left In: 1608.518+/-0.495 χ^2/NDF:369.4/5

+ sign 1638.991+/-0.320 χ^2/NDF: 670944.4/23

All: 1637.983+/-0.229 χ^2/NDF: 870403.5/48

- sign 1636.927+/-0.328 χ^2/NDF: 199438.8/24

asym_usr_atr1_avg_dit_correction_mean vs Slug



Right In: -374.592+/-367.944 χ^2/NDF: 15.7/15

Left Out: 370.842+/-373.411 χ^2/NDF:9.1/7

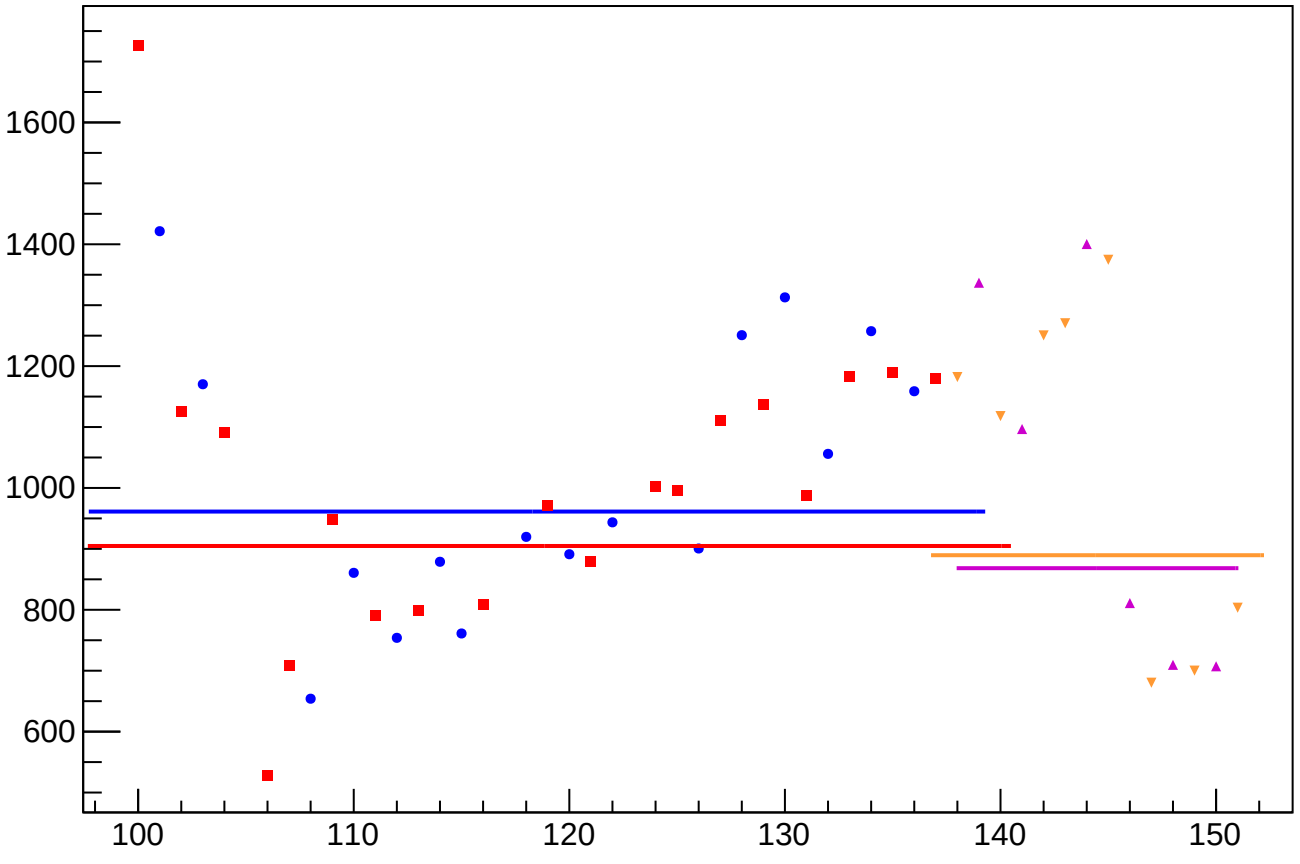
Right Out: 325.671+/-340.620 χ^2/NDF: 17.4/18

Left In: -51.193+/-393.657 χ^2/NDF:1.1/5

+ sign -7.371+/-262.087 χ^2/NDF: 26.8/23

All: 79.963+/-183.710 χ^2/NDF: 46.1/48

- sign 164.319+/-257.581 χ^2/NDF: 19.1/24



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 889.583+/-0.264 χ^2/NDF:874002.0/7

Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

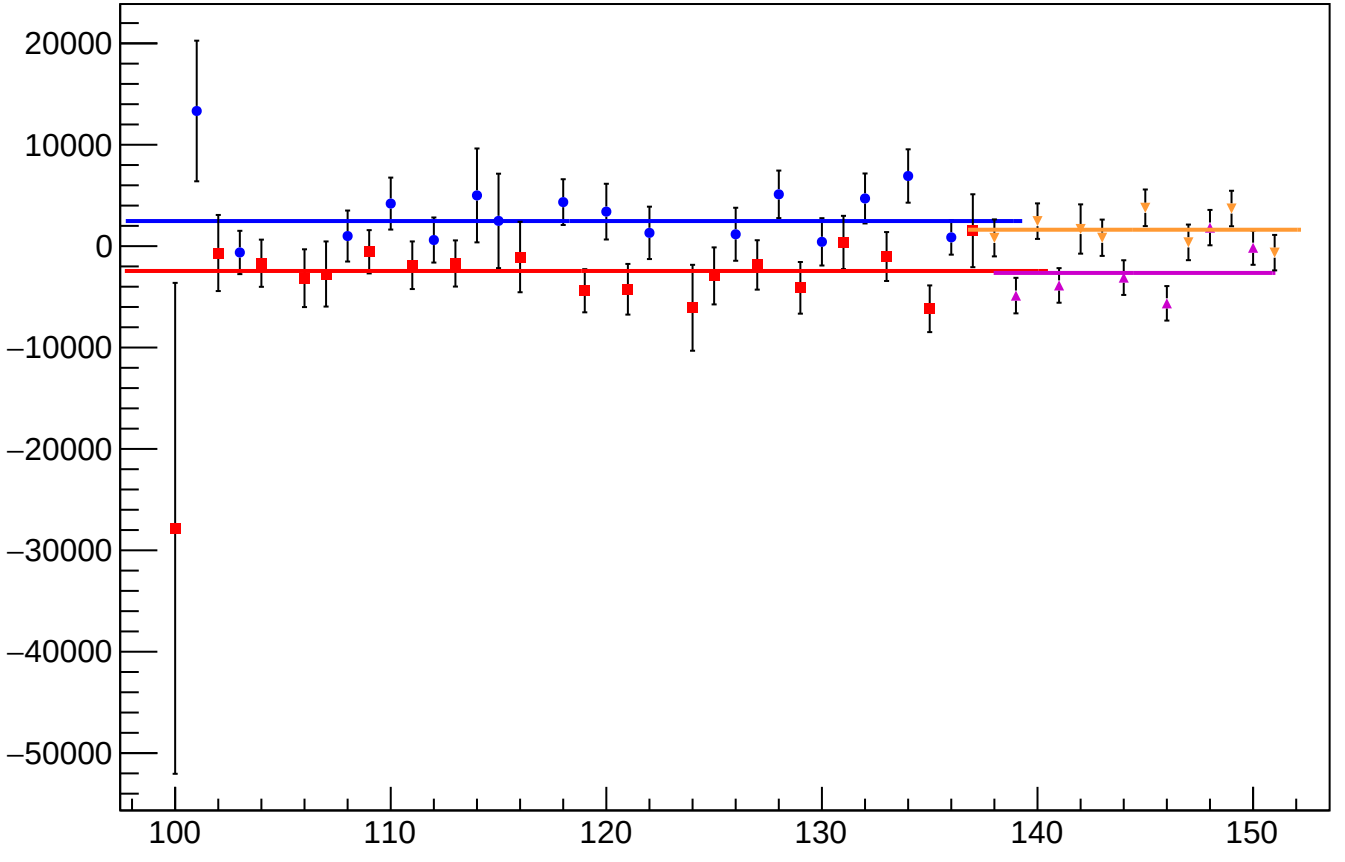
Left In: 868.304+/-0.278 χ^2/NDF:725674.7/5

+ sign 925.941+/-0.185 χ^2/NDF: 1603247.7/23

All: 907.220+/-0.130 χ^2/NDF: 3095264.6/48

- sign 889.138+/-0.182 χ^2/NDF: 1471955.8/24

eigen_dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 1619.090+/-646.672 χ^2/NDF:5.7/7

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

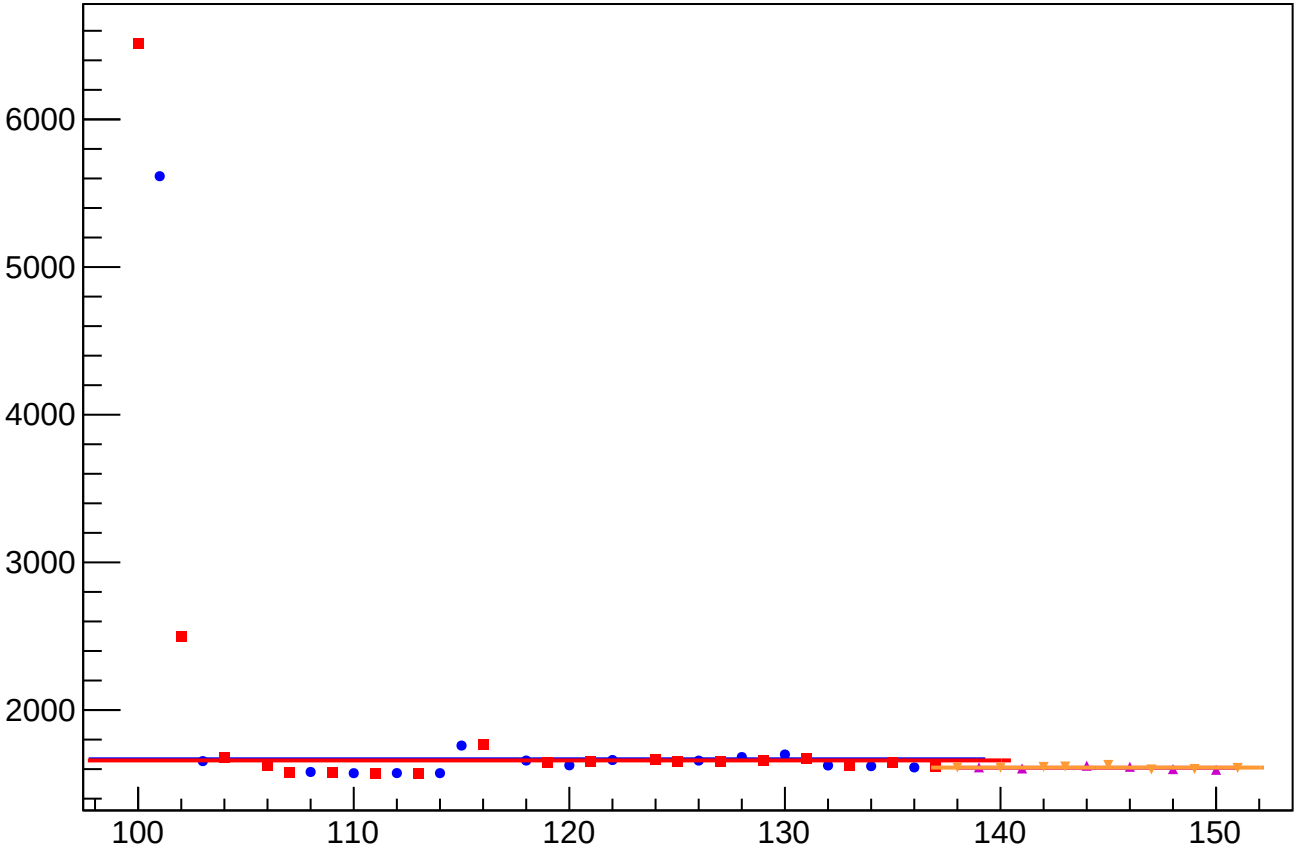
Left In: -2641.821+/-700.516 χ^2/NDF:14.1/5

+ sign 2055.720+/-452.671 χ^2/NDF: 20.8/23

All: -185.884+/-323.757 χ^2/NDF: 95.6/48

- sign -2533.348+/-463.236 χ^2/NDF: 24.7/24

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1610.464+/-0.457 χ^2/NDF:398.5/7

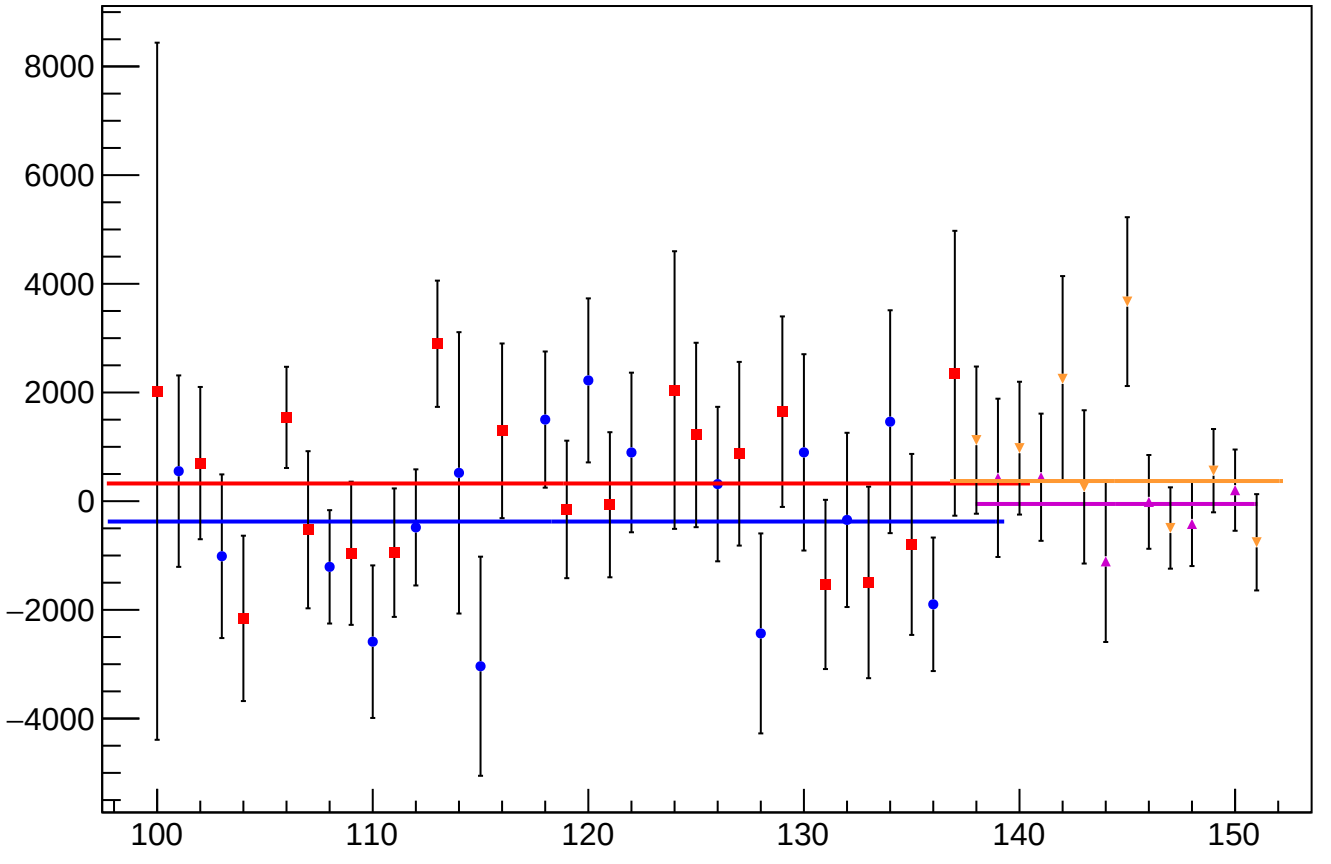
Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1608.518+/-0.495 χ^2/NDF:369.4/5

+ sign 1638.991+/-0.320 χ^2/NDF: 670944.4/23

All: 1637.983+/-0.229 χ^2/NDF: 870403.3/48

- sign 1636.927+/-0.328 χ^2/NDF: 199438.6/24



Right In: -374.590+/-367.943 χ^2/NDF: 15.7/15

Left Out: 370.841+/-373.412 χ^2/NDF:9.1/7

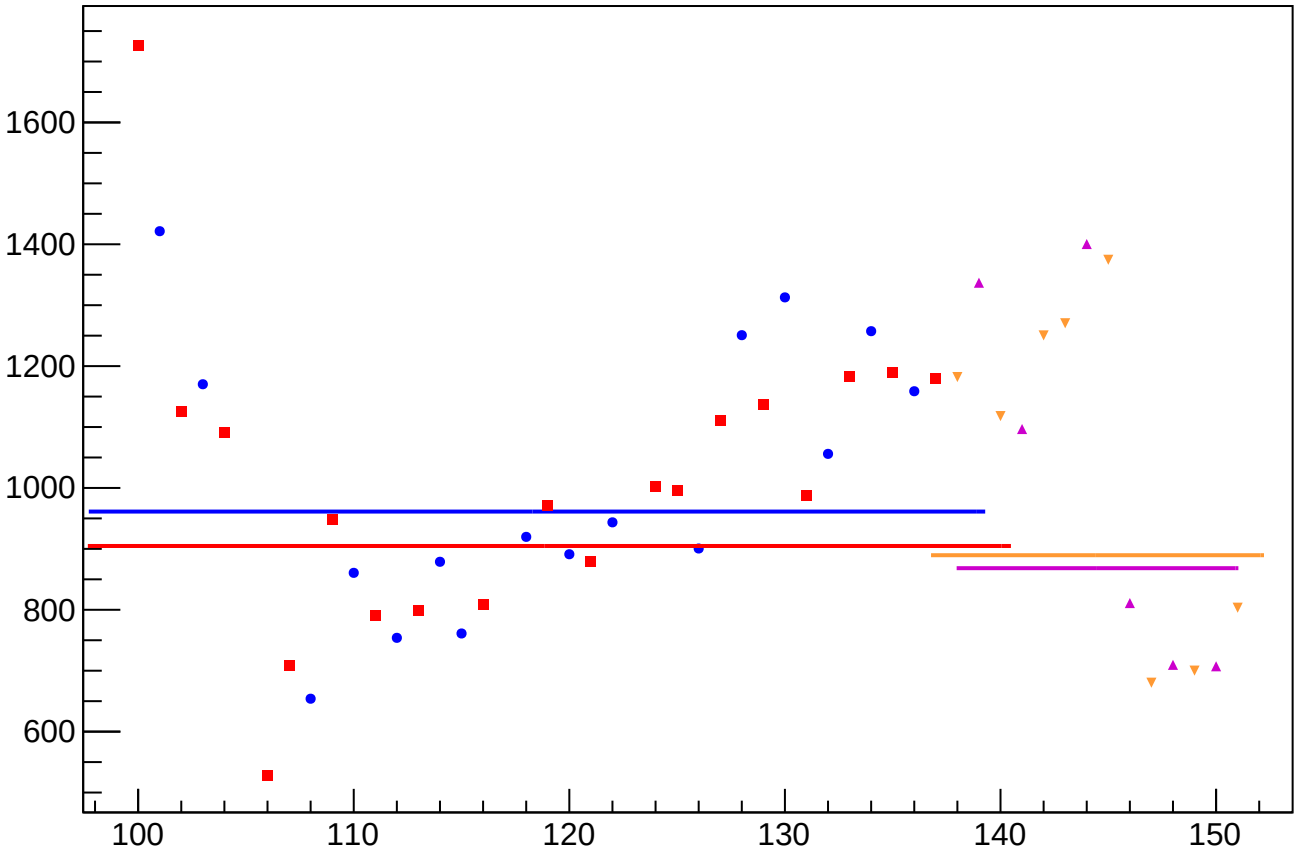
Right Out: 325.670+/-340.619 χ^2/NDF: 17.4/18

Left In: -51.193+/-393.658 χ^2/NDF:1.1/5

\+ sign -7.373+/-262.087 χ^2/NDF: 26.8/23

All: 79.962+/-183.710 χ^2/NDF: 46.1/48

\- sign 164.319+/-257.581 χ^2/NDF: 19.1/24



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 889.585+/-0.264 χ^2/NDF:874003.0/7

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

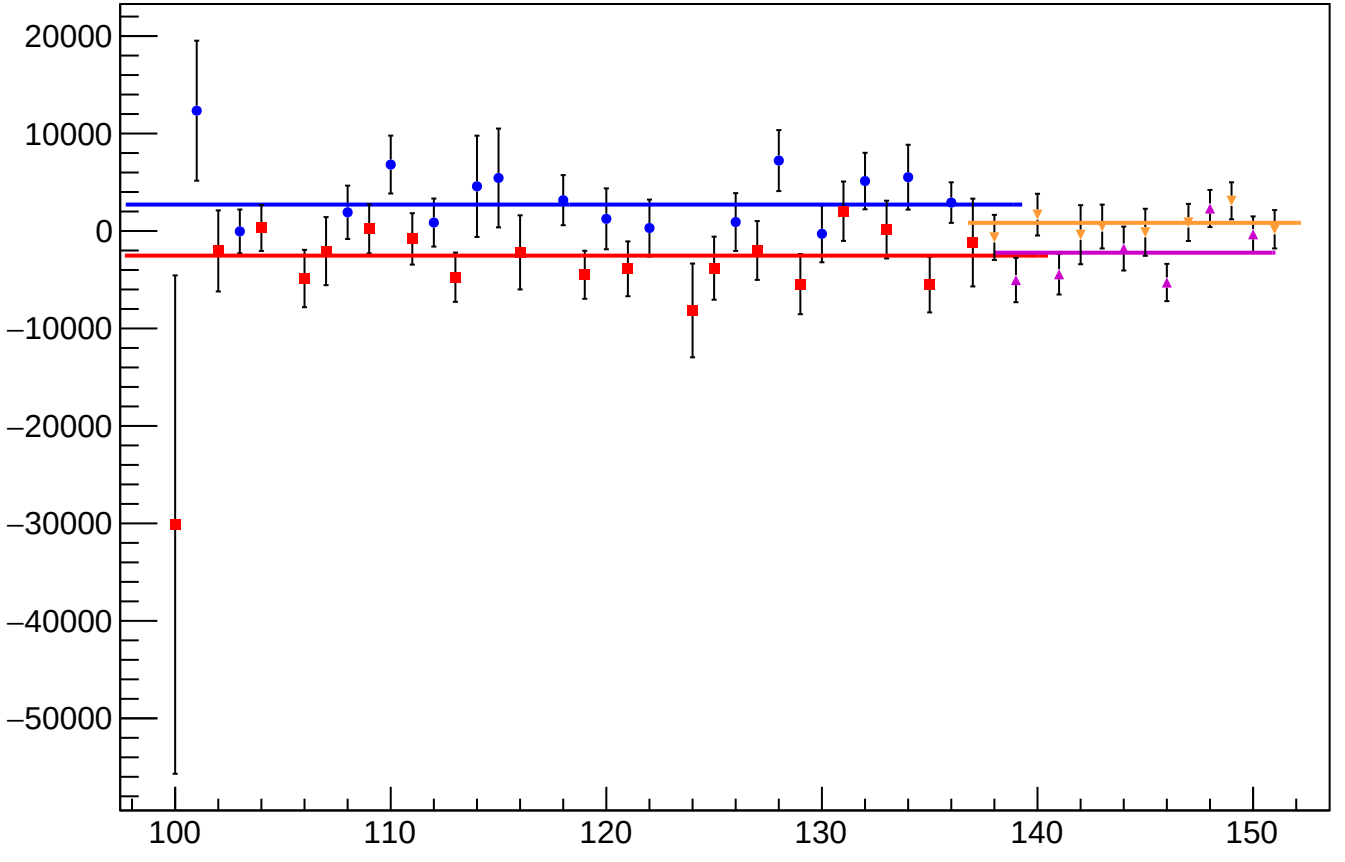
Left In: 868.305+/-0.278 χ^2/NDF:725675.9/5

+ sign 925.940+/-0.185 χ^2/NDF: 1603251.0/23

All: 907.220+/-0.130 χ^2/NDF: 3095264.1/48

- sign 889.137+/-0.182 χ^2/NDF: 1471952.2/24

asym_usr_atr1_avg_mean vs Slug



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 836.537+/-768.313 χ^2/NDF:2.5/7

Right Out: -2525.536+/-706.449 χ^2/NDF: 13.2/18

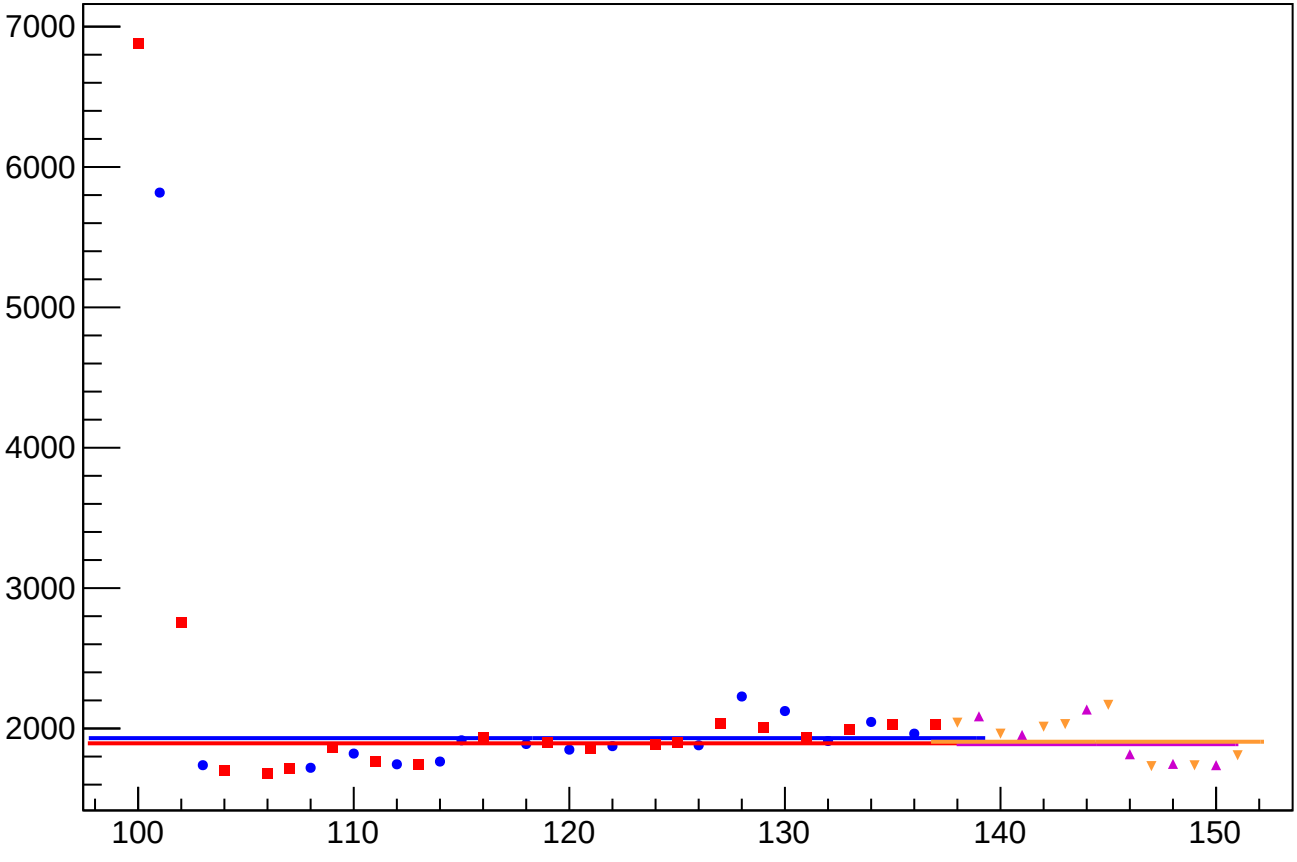
Left In: -2225.779+/-825.432 χ^2/NDF:12.0/5

+ sign 1815.379+/-531.143 χ^2/NDF: 17.7/23

All: -269.712+/-377.531 χ^2/NDF: 74.1/48

- sign -2398.800+/-536.718 χ^2/NDF: 25.3/24

asym_usr_atr1_avg_rms vs Slug



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 1905.676+/-0.543 χ^2/NDF:77864.5/7

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

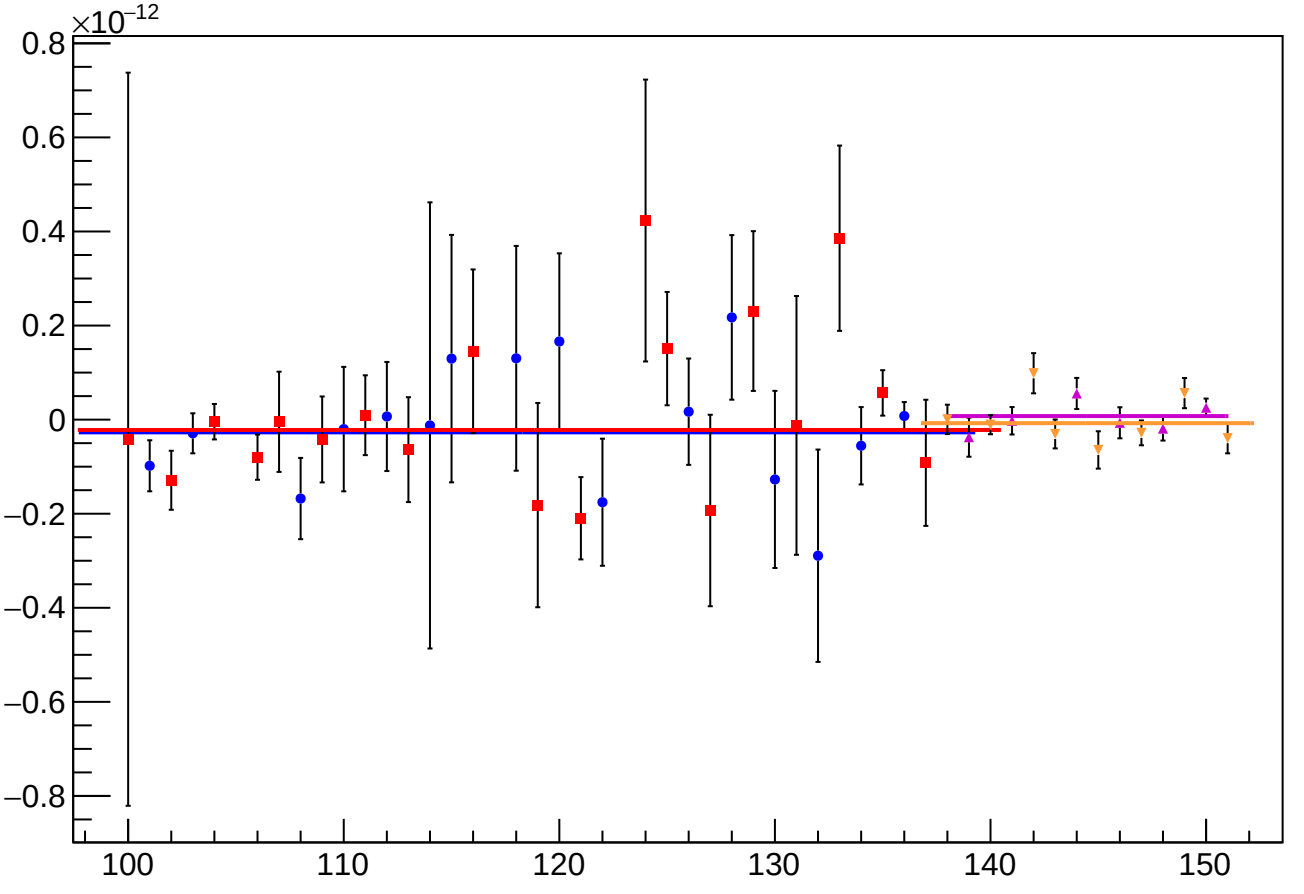
Left In: 1888.128+/-0.584 χ^2/NDF:68229.0/5

+ sign 1919.028+/-0.376 χ^2/NDF: 740248.5/23

All: 1905.516+/-0.267 χ^2/NDF: 1031700.2/48

- sign 1891.719+/-0.380 χ^2/NDF: 288835.7/24

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:14.4/7

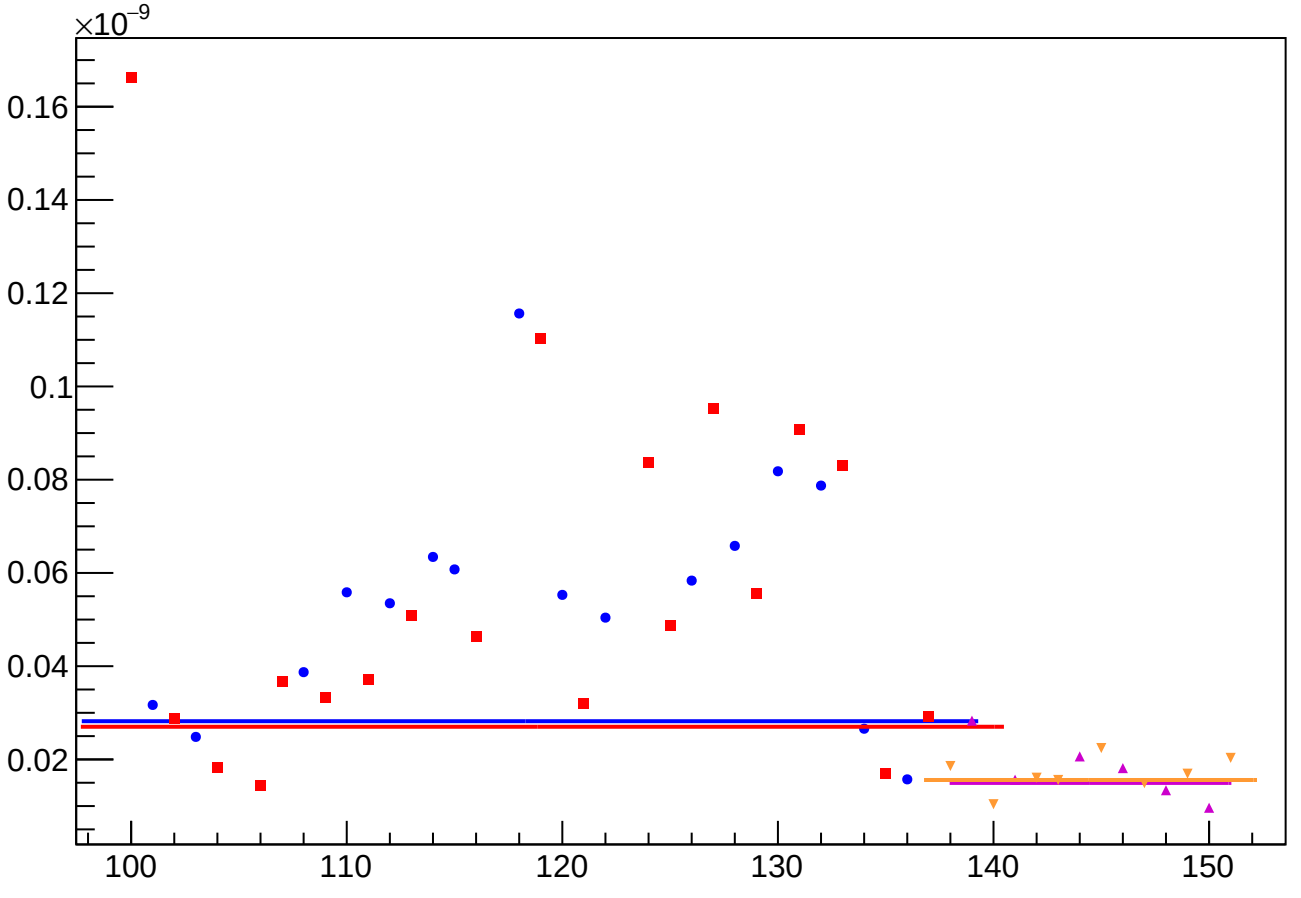
Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: 0.000+/-0.000 χ^2/NDF:5.5/5

\+ sign -0.000+/-0.000 χ^2/NDF: 28.0/23

All: -0.000+/-0.000 χ^2/NDF: 61.4/48

\- sign 0.000+/-0.000 χ^2/NDF: 32.7/24



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:257116.7/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

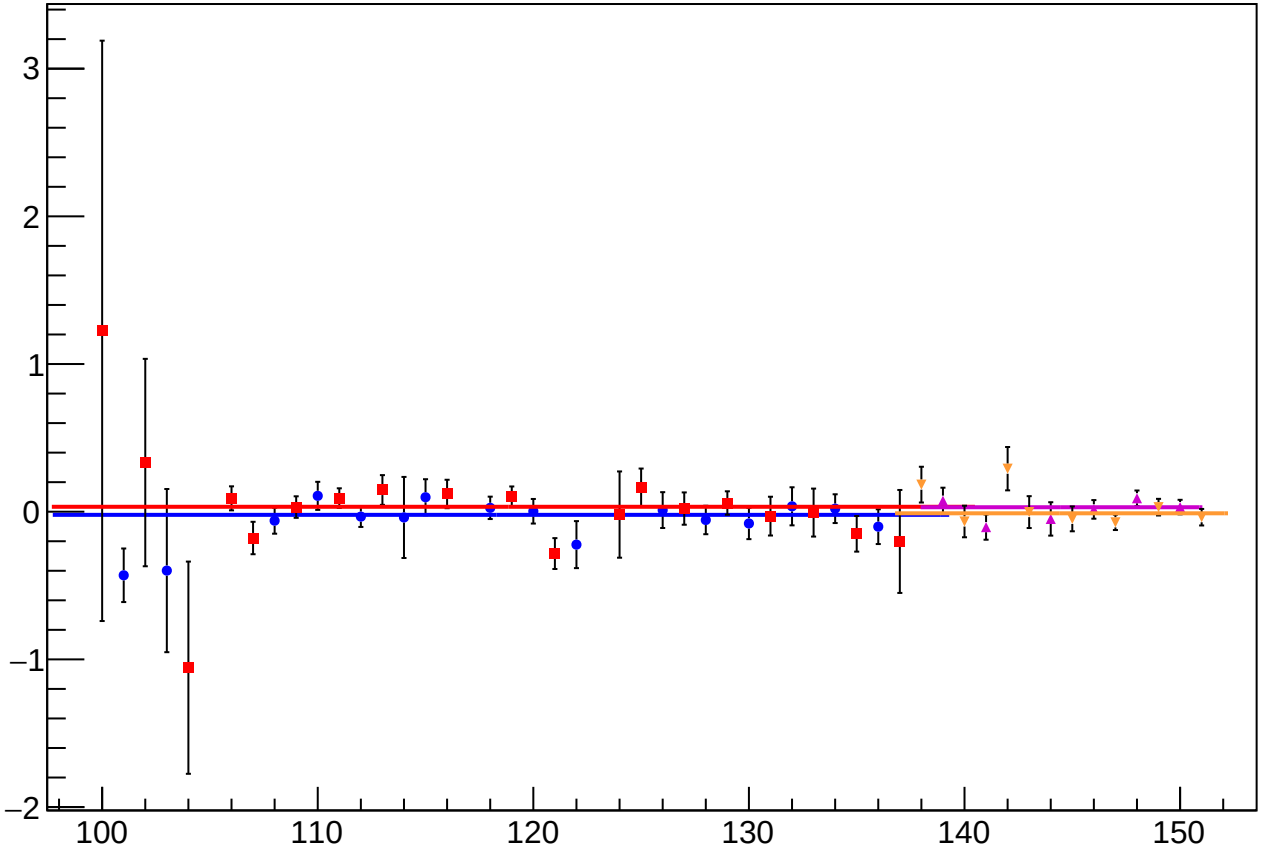
Left In: 0.000+/-0.000 χ^2/NDF:444432.9/5

+ sign 0.000+/-0.000 χ^2/NDF: 2413024.9/23

All: 0.000+/-0.000 χ^2/NDF: 4992581.1/48

- sign 0.000+/-0.000 χ^2/NDF: 2577064.4/24

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: -0.011+/-0.026 χ^2/NDF:9.4/7

Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

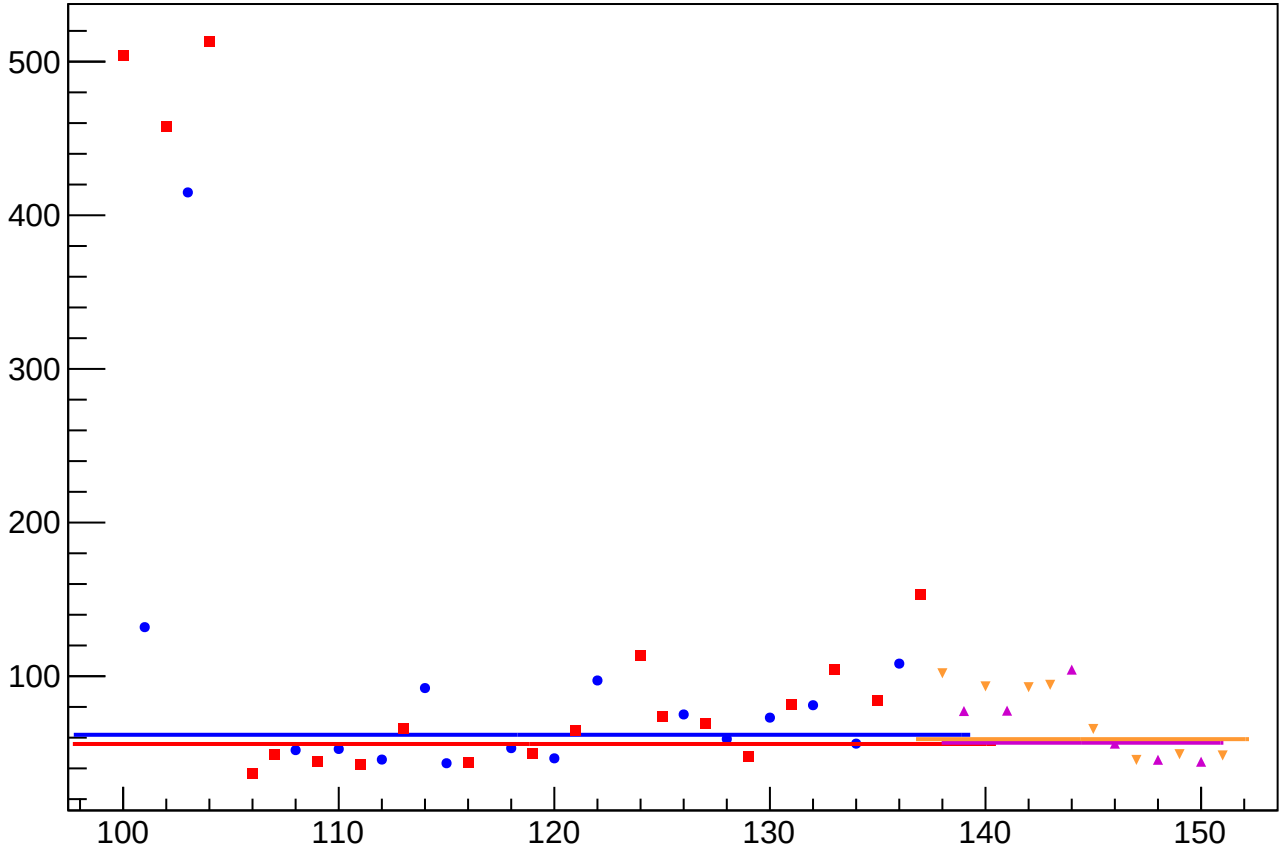
Left In: 0.030+/-0.027 χ^2/NDF:4.6/5

+ sign -0.016+/-0.019 χ^2/NDF: 21.5/23

All: 0.009+/-0.013 χ^2/NDF: 53.9/48

- sign 0.032+/-0.018 χ^2/NDF: 29.0/24

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: 59.037+/-0.019 χ^2/NDF:1057246.7/7

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

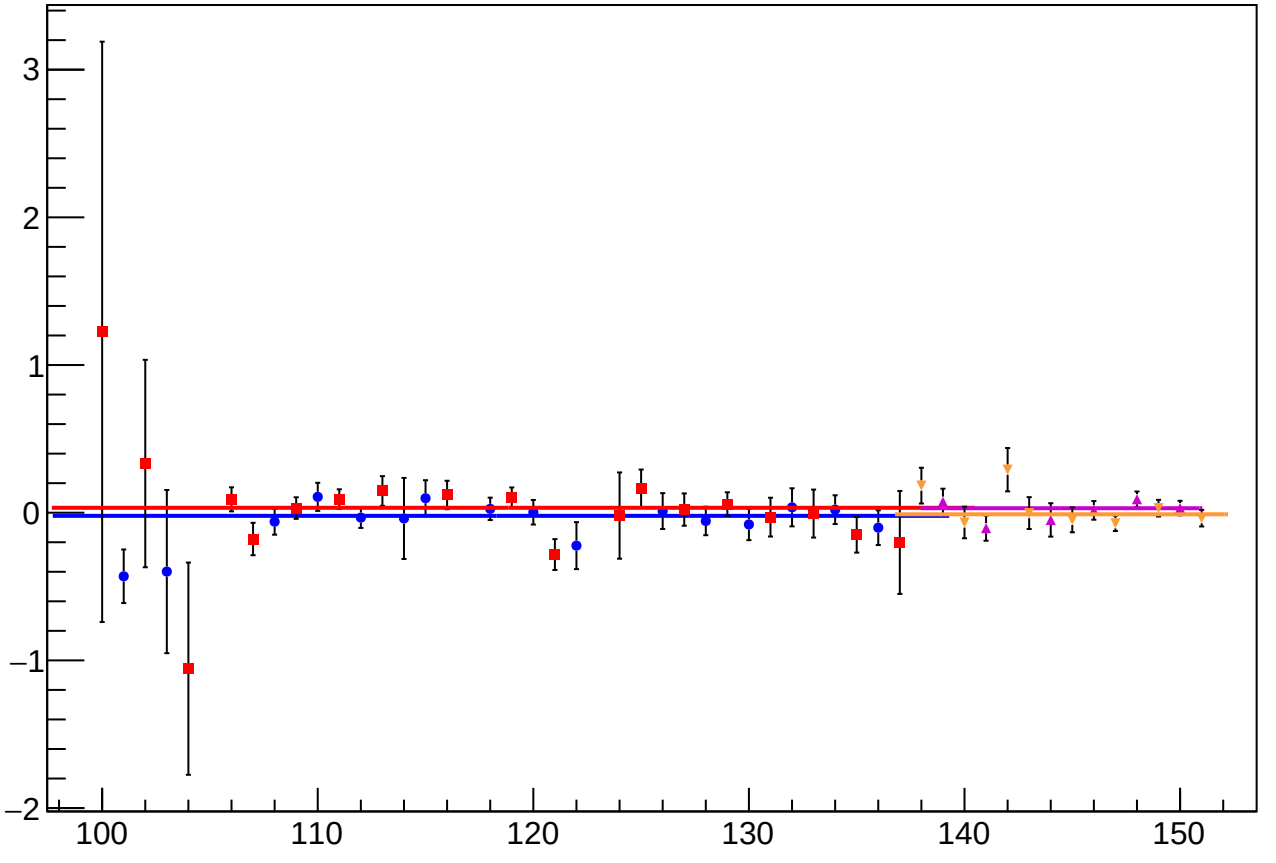
Left In: 56.699+/-0.019 χ^2/NDF:800185.7/5

+ sign 60.449+/-0.013 χ^2/NDF: 3006687.6/23

All: 58.289+/-0.009 χ^2/NDF: 6450787.6/48

- sign 56.256+/-0.013 χ^2/NDF: 3392451.2/24

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.011+/-0.026 χ^2/NDF:9.4/7

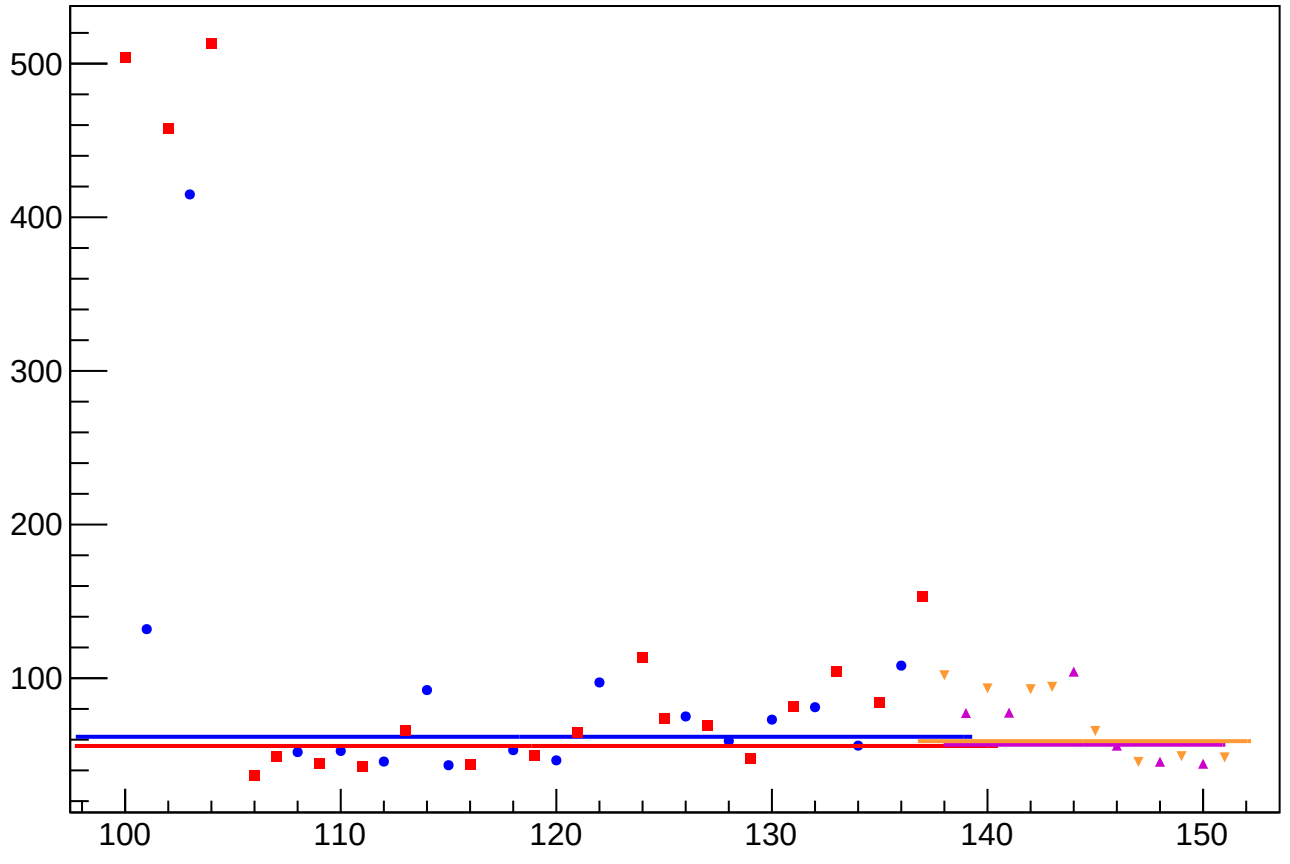
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.030+/-0.027 χ^2/NDF:4.6/5

+ sign -0.016+/-0.019 χ^2/NDF: 21.5/23

All: 0.009+/-0.013 χ^2/NDF: 53.9/48

- sign 0.032+/-0.018 χ^2/NDF: 29.0/24



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 59.037+/-0.019 χ^2/NDF:1057246.7/7

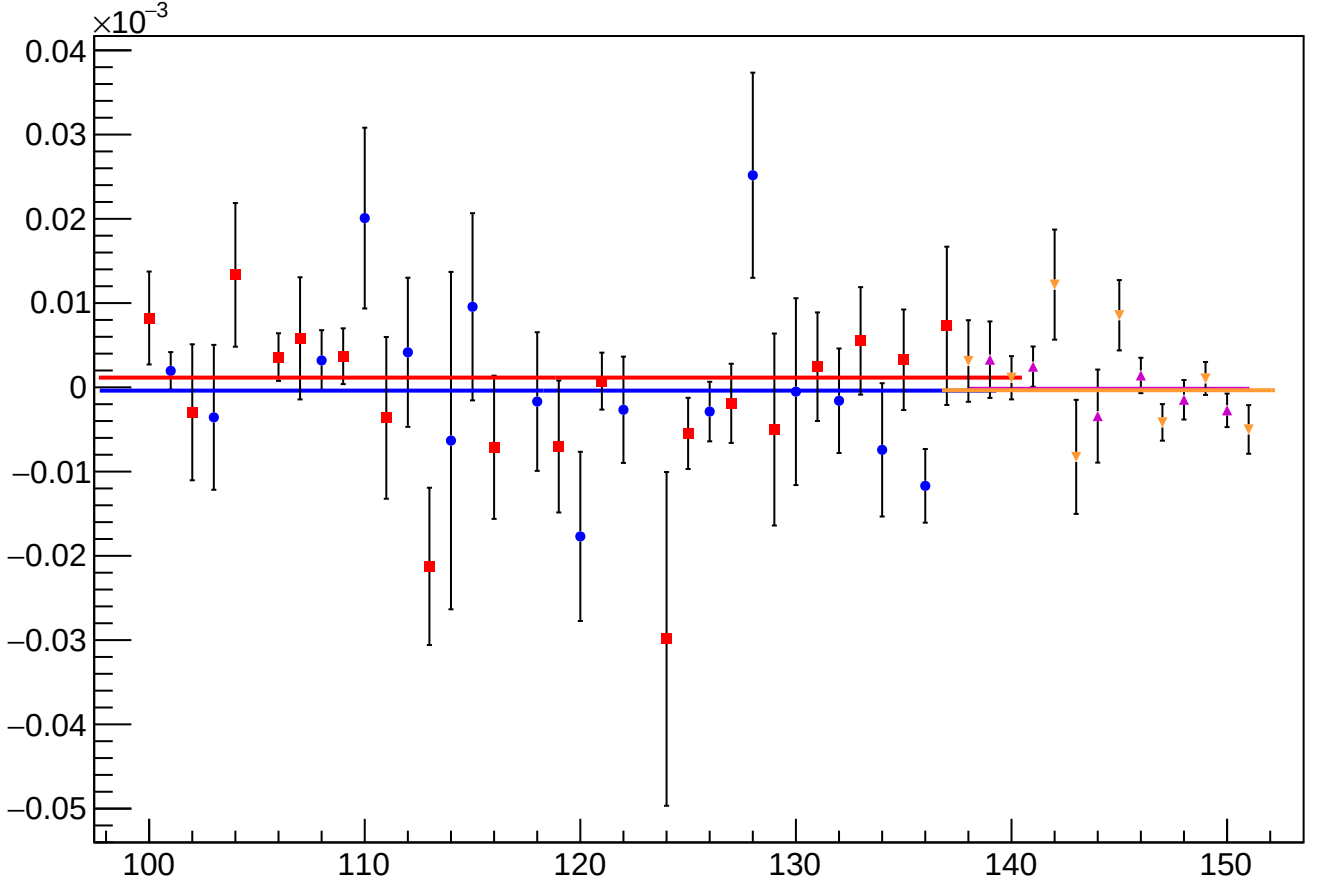
Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 56.699+/-0.019 χ^2/NDF:800185.7/5

+ sign 60.449+/-0.013 χ^2/NDF: 3006687.6/23

All: 58.289+/-0.009 χ^2/NDF: 6450787.6/48

- sign 56.256+/-0.013 χ^2/NDF: 3392451.2/24



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.6/7

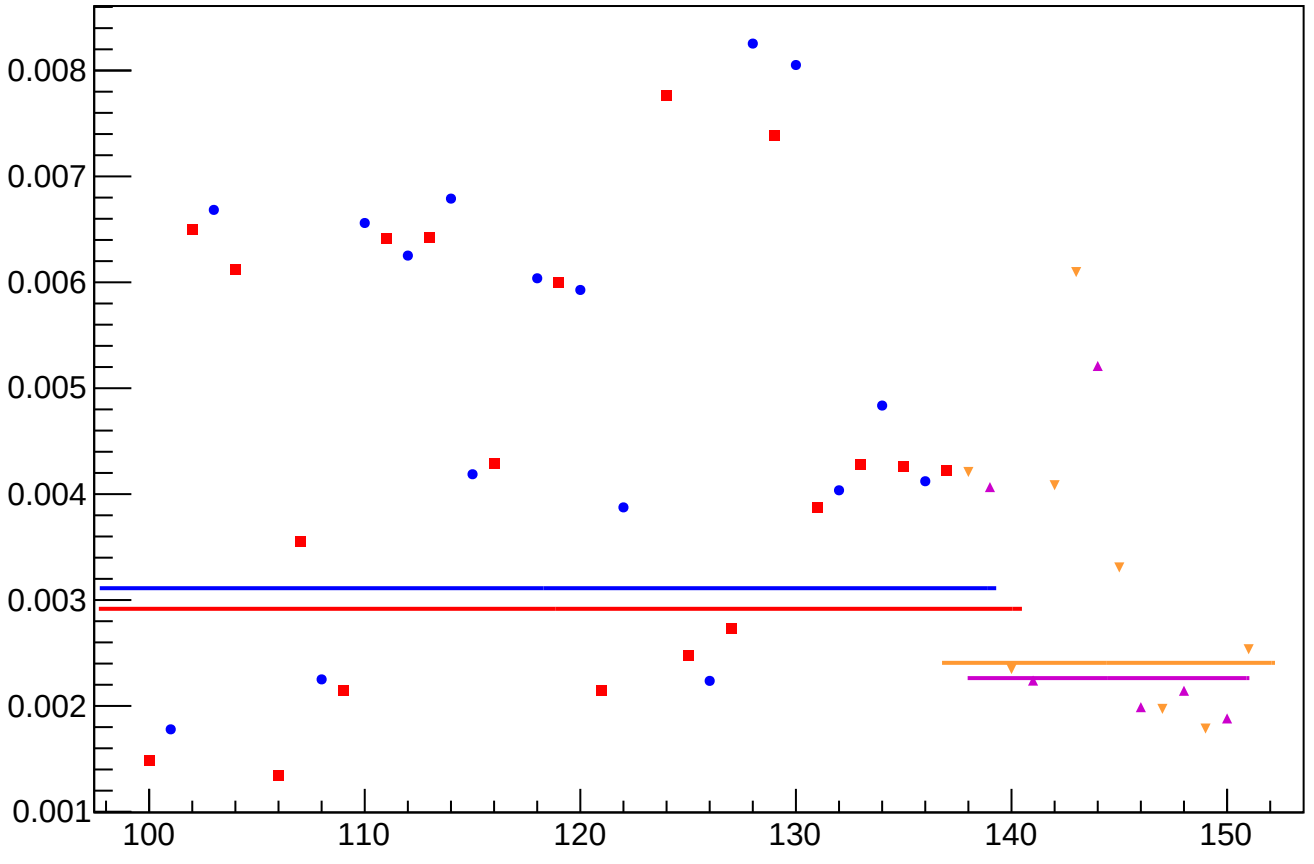
Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: -0.000+/-0.000 χ^2/NDF:4.7/5

+ sign -0.000+/-0.000 χ^2/NDF: 39.2/23

All: 0.000+/-0.000 χ^2/NDF: 65.4/48

- sign 0.000+/-0.000 χ^2/NDF: 25.8/24



Right In: 0.003+/-0.000 χ^2/NDF: 3283915.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:1382899.6/7

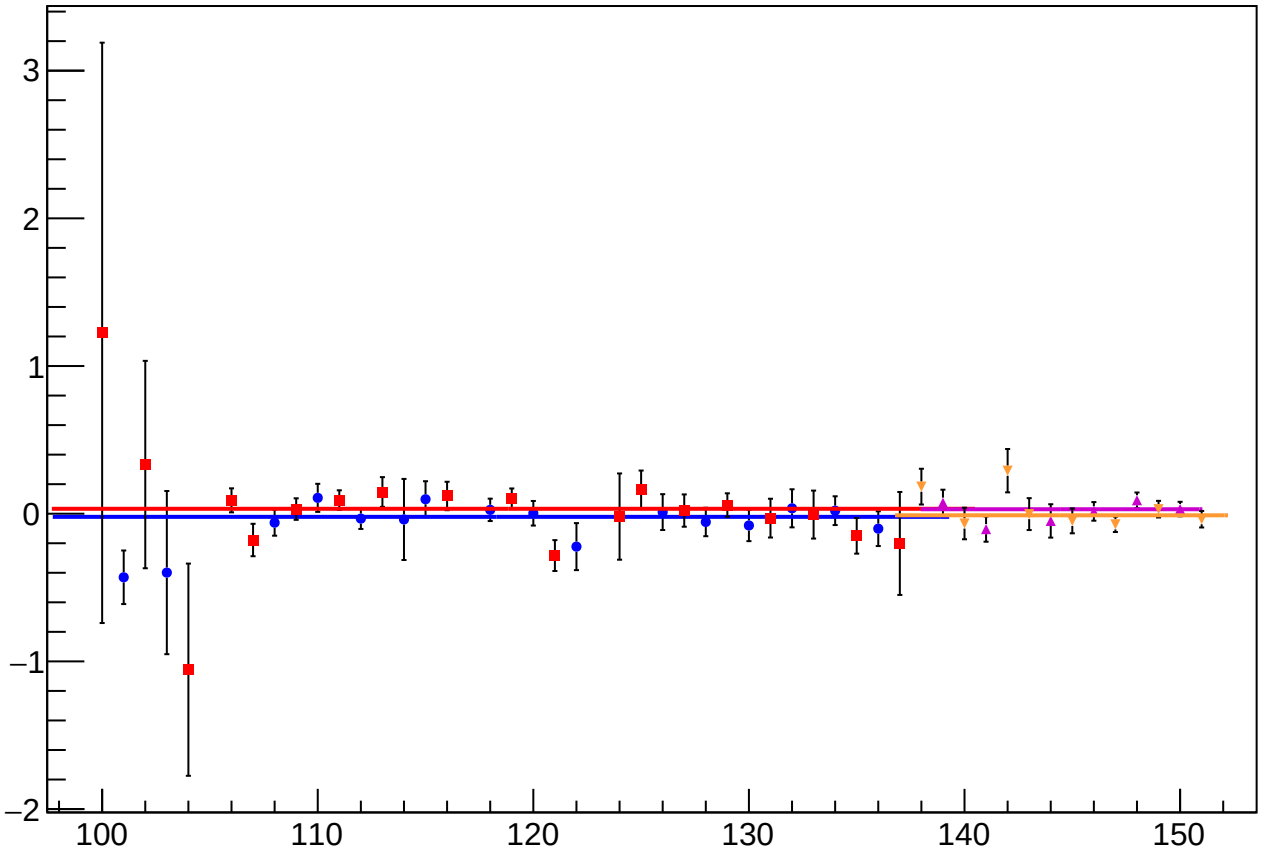
Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

Left In: 0.002+/-0.000 χ^2/NDF:998193.2/5

+ sign 0.003+/-0.000 χ^2/NDF: 5009969.8/23

All: 0.003+/-0.000 χ^2/NDF: 9659236.3/48

- sign 0.003+/-0.000 χ^2/NDF: 4615780.7/24



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.011+/-0.026 χ^2/NDF:9.4/7

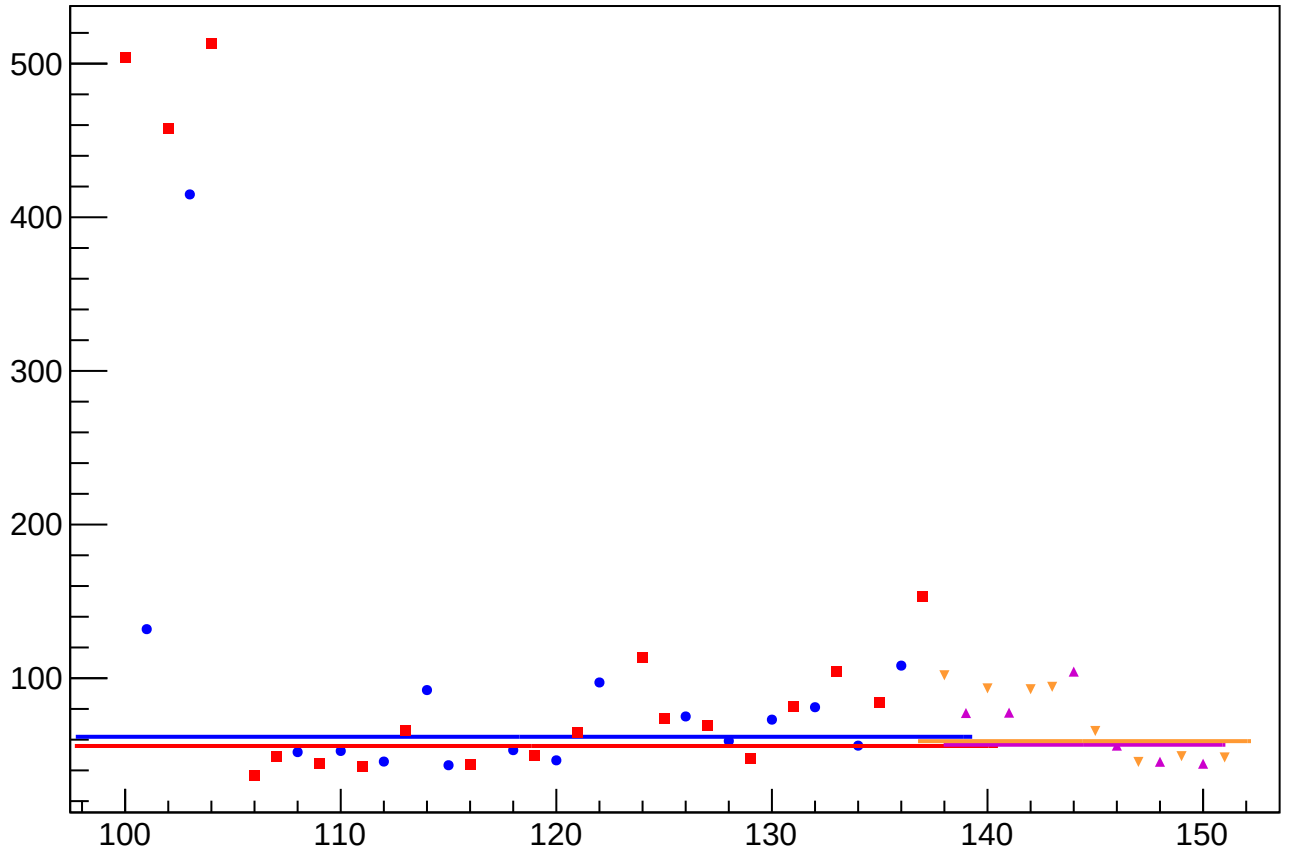
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.030+/-0.027 χ^2/NDF:4.6/5

\+ sign -0.016+/-0.019 χ^2/NDF: 21.5/23

All: 0.009+/-0.013 χ^2/NDF: 53.9/48

\- sign 0.032+/-0.018 χ^2/NDF: 29.0/24



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 59.037+/-0.019 χ^2/NDF:1057245.5/7

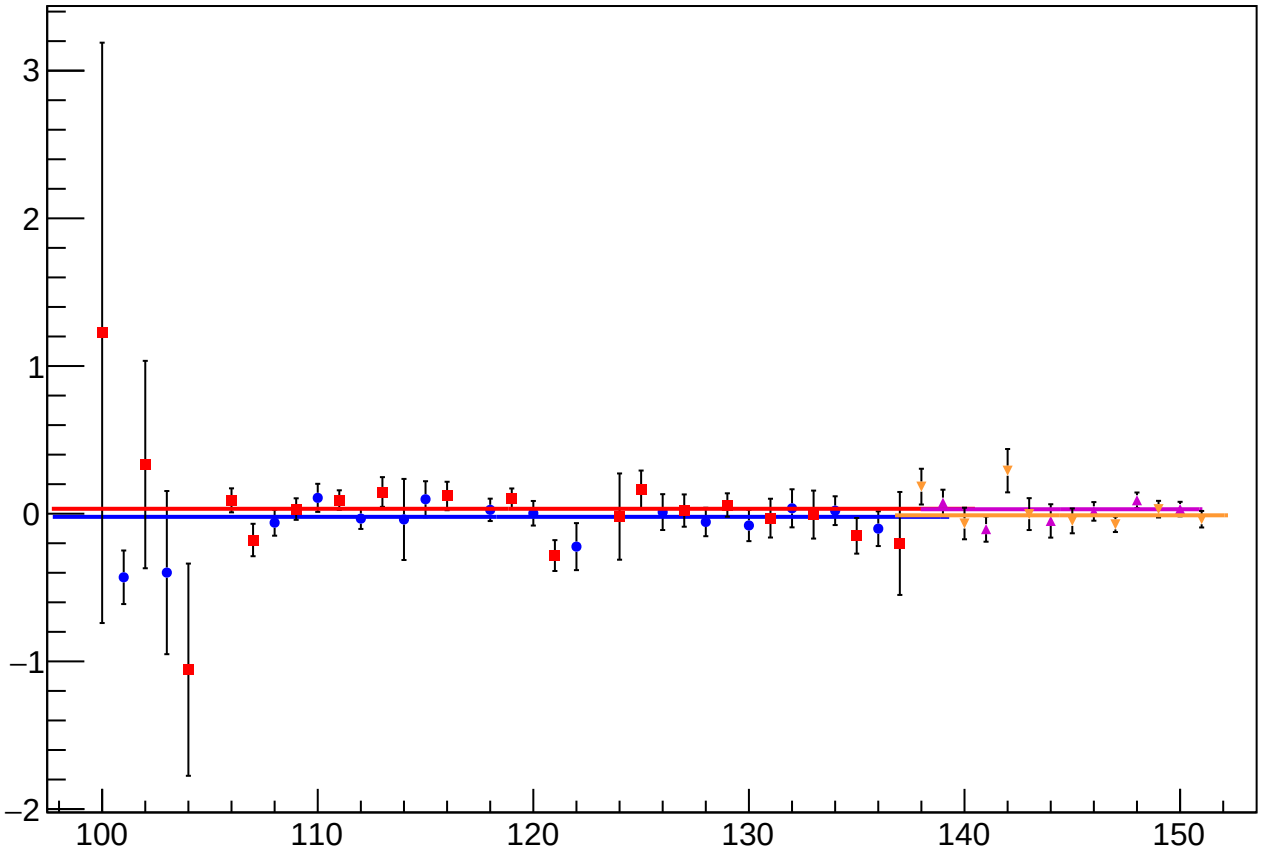
Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 56.699+/-0.019 χ^2/NDF:800182.7/5

+ sign 60.449+/-0.013 χ^2/NDF: 3006630.4/23

All: 58.288+/-0.009 χ^2/NDF: 6450691.7/48

- sign 56.255+/-0.013 χ^2/NDF: 3392408.5/24



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.011+/-0.026 χ^2/NDF:9.4/7

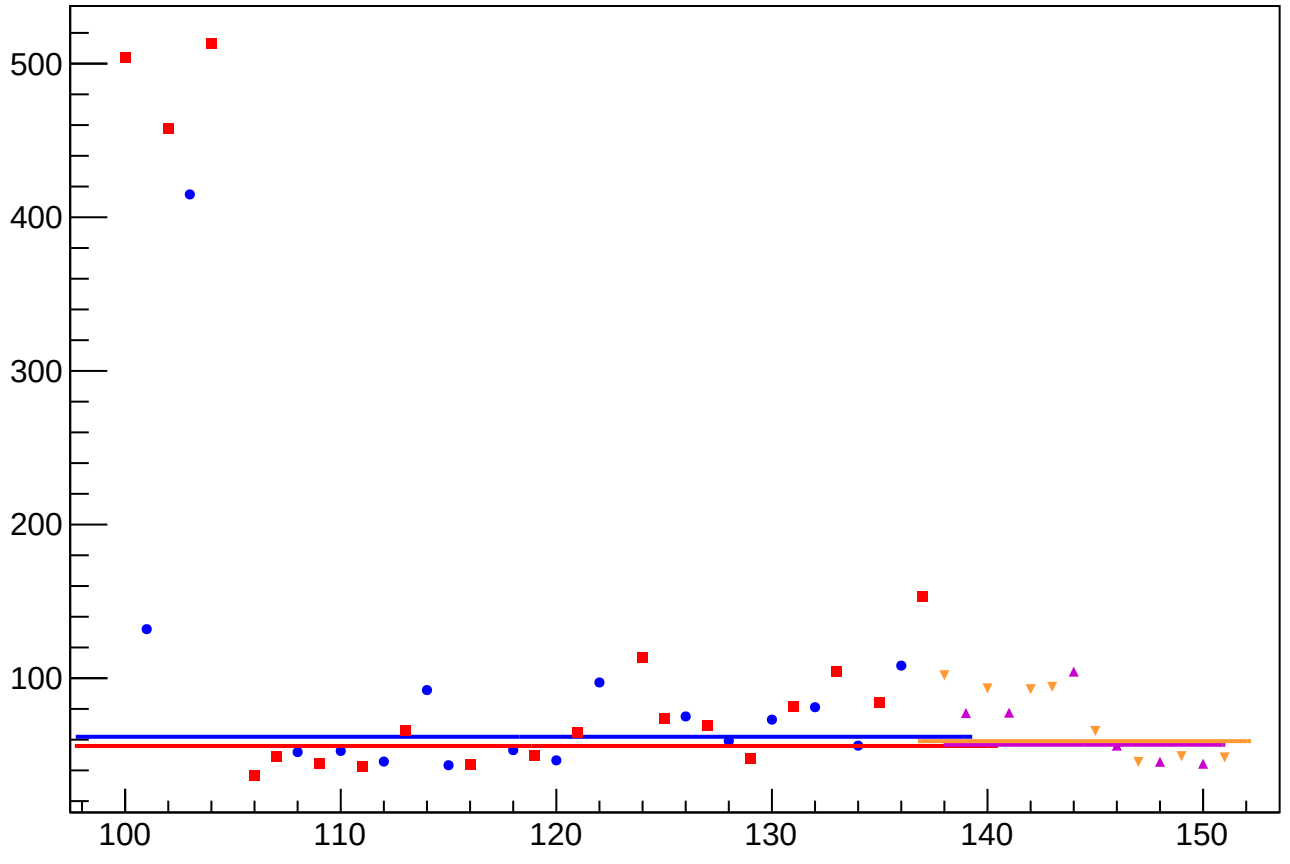
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.030+/-0.027 χ^2/NDF:4.6/5

+ sign -0.016+/-0.019 χ^2/NDF: 21.5/23

All: 0.009+/-0.013 χ^2/NDF: 53.9/48

- sign 0.032+/-0.018 χ^2/NDF: 29.0/24



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 59.037+/-0.019 χ^2/NDF:1057245.5/7

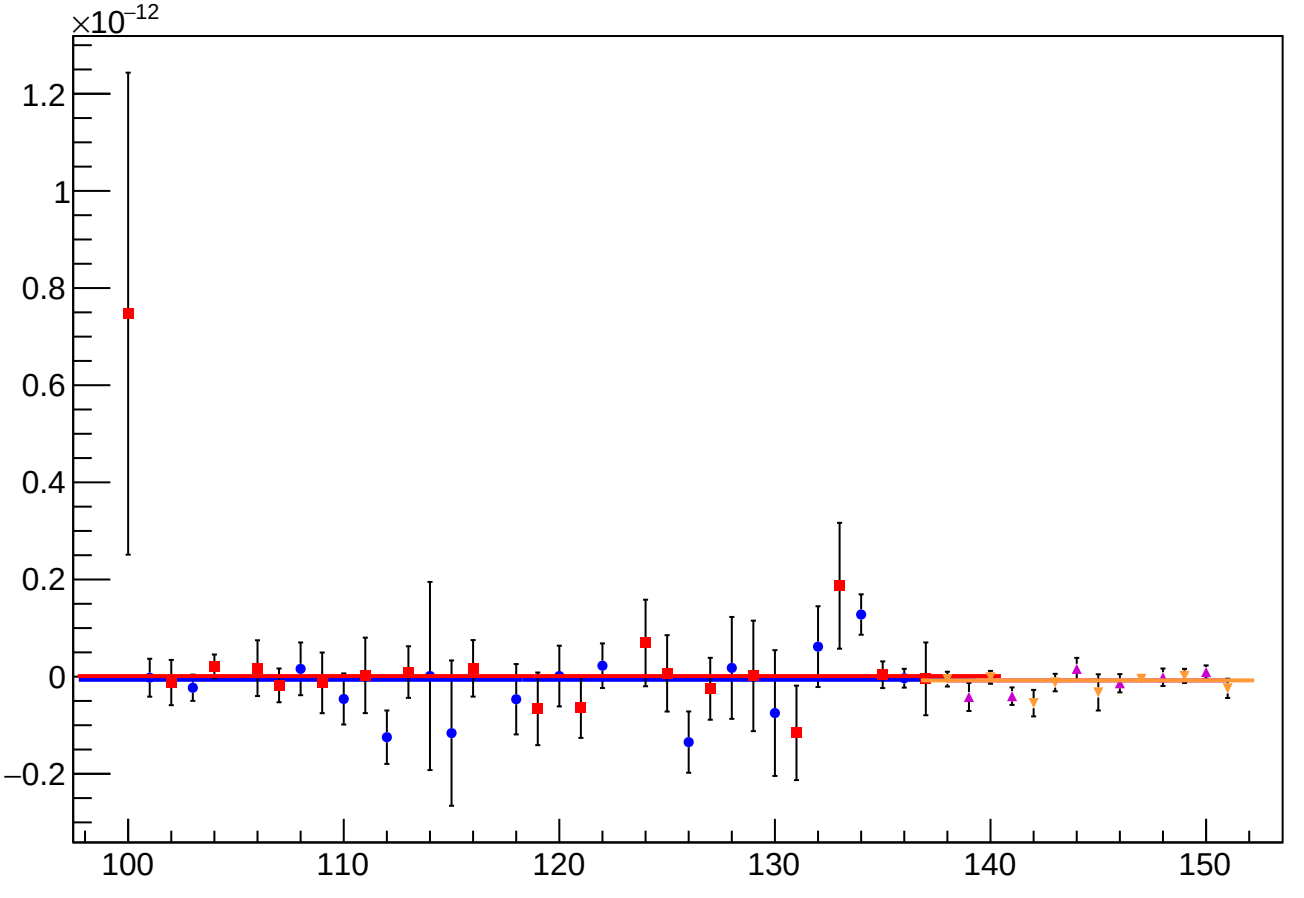
Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 56.699+/-0.019 χ^2/NDF:800182.7/5

\+ sign 60.449+/-0.013 χ^2/NDF: 3006630.4/23

All: 58.288+/-0.009 χ^2/NDF: 6450691.7/48

\- sign 56.255+/-0.013 χ^2/NDF: 3392408.5/24



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.9/7

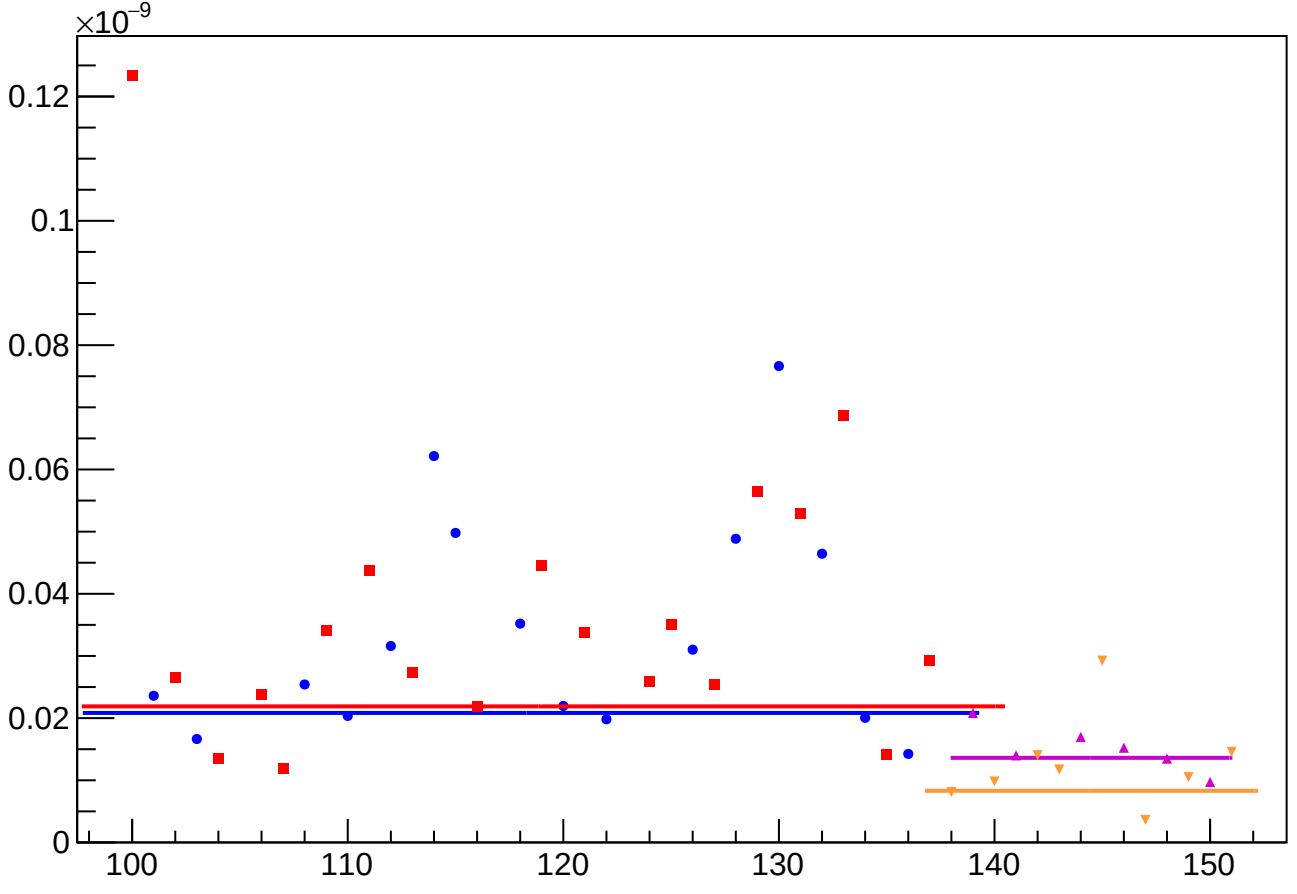
Right Out: 0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: -0.000+/-0.000 χ^2/NDF:7.5/5

+ sign -0.000+/-0.000 χ^2/NDF: 27.6/23

All: -0.000+/-0.000 χ^2/NDF: 45.3/48

- sign -0.000+/-0.000 χ^2/NDF: 17.6/24



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1696195.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

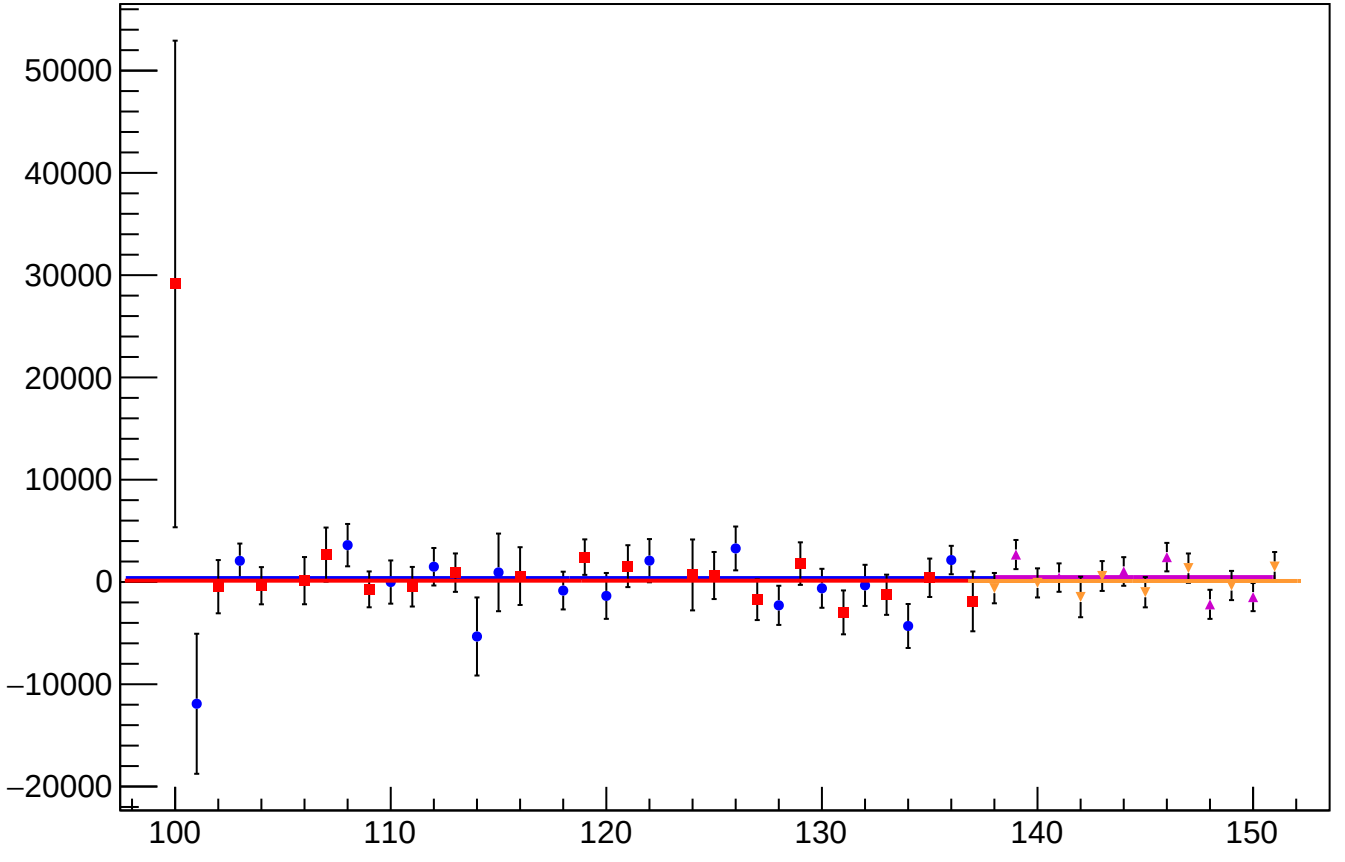
Left In: 0.000+/-0.000 χ^2/NDF:344863.1/5

+ sign 0.000+/-0.000 χ^2/NDF: 5110832.9/23

All: 0.000+/-0.000 χ^2/NDF: 9004975.2/48

- sign 0.000+/-0.000 χ^2/NDF: 2940527.7/24

reg_asym_usr_atr1_dd_mean vs Slug



Right In: 381.403+/-517.789 χ^2/NDF: 21.5/15

Left Out: 97.591+/-527.308 χ^2/NDF:3.4/7

Right Out: 127.929+/-500.988 χ^2/NDF: 10.0/18

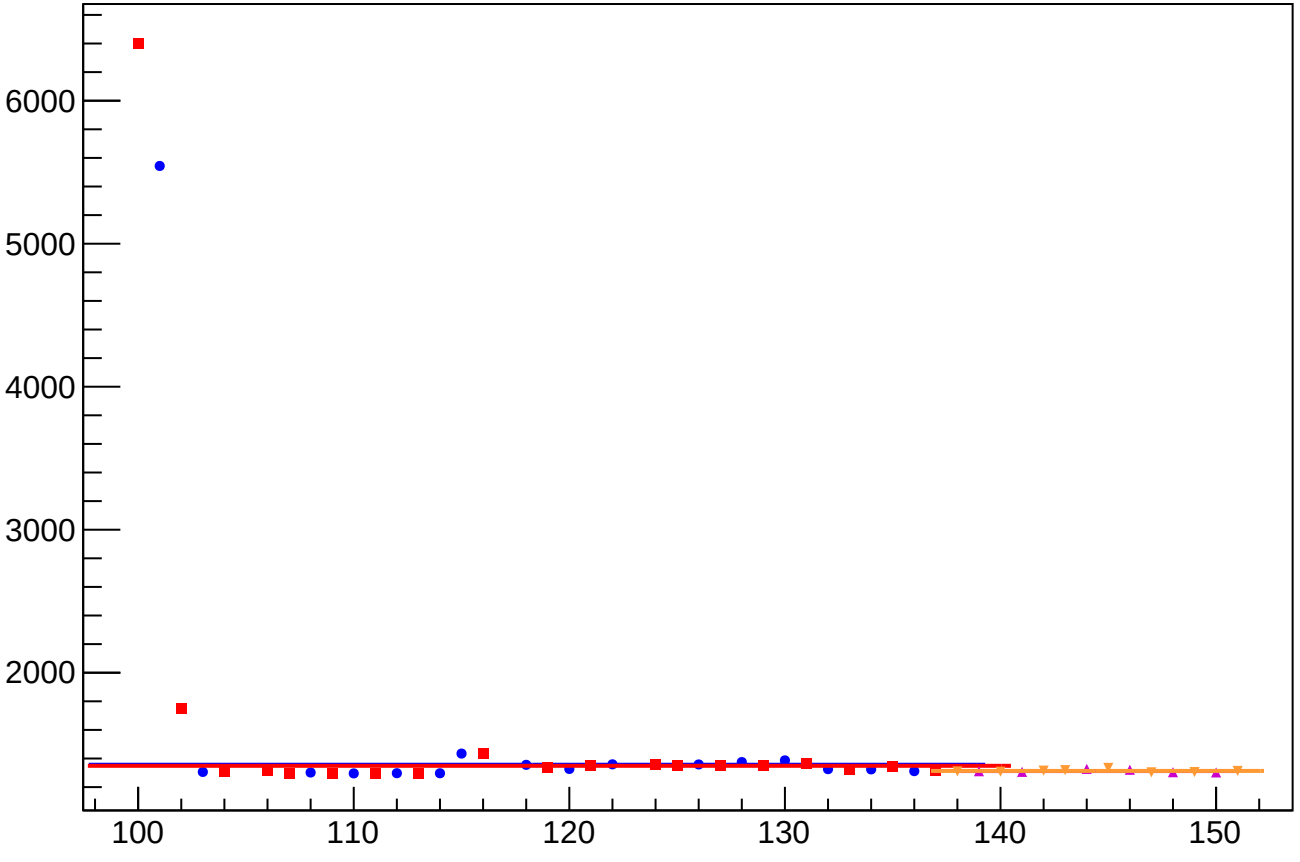
Left In: 477.160+/-571.499 χ^2/NDF:10.1/5

+ sign 242.082+/-369.452 χ^2/NDF: 25.0/23

All: 260.516+/-263.777 χ^2/NDF: 45.3/48

- sign 279.683+/-376.729 χ^2/NDF: 20.2/24

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1313.196+/-0.373 χ^2/NDF:639.9/7

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

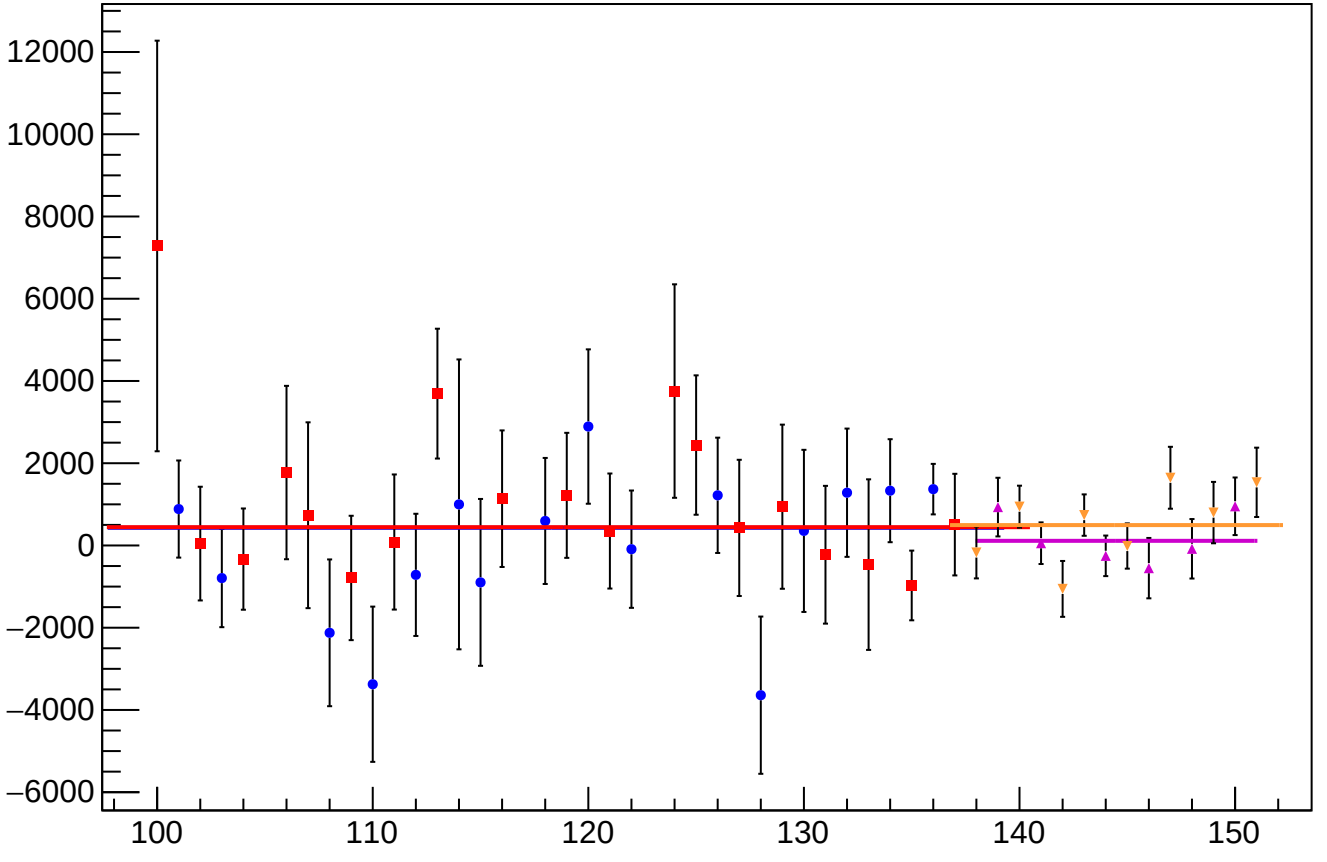
Left In: 1312.288+/-0.404 χ^2/NDF:524.9/5

+ sign 1335.190+/-0.261 χ^2/NDF: 767740.5/23

All: 1334.132+/-0.187 χ^2/NDF: 920224.8/48

- sign 1333.033+/-0.266 χ^2/NDF: 152450.9/24

asym_usr_atr1_dd_reg_correction_mean vs Slug



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: 495.527+/-219.553 χ^2/NDF:12.2/7

Right Out: 444.555+/-355.594 χ^2/NDF: 14.4/18

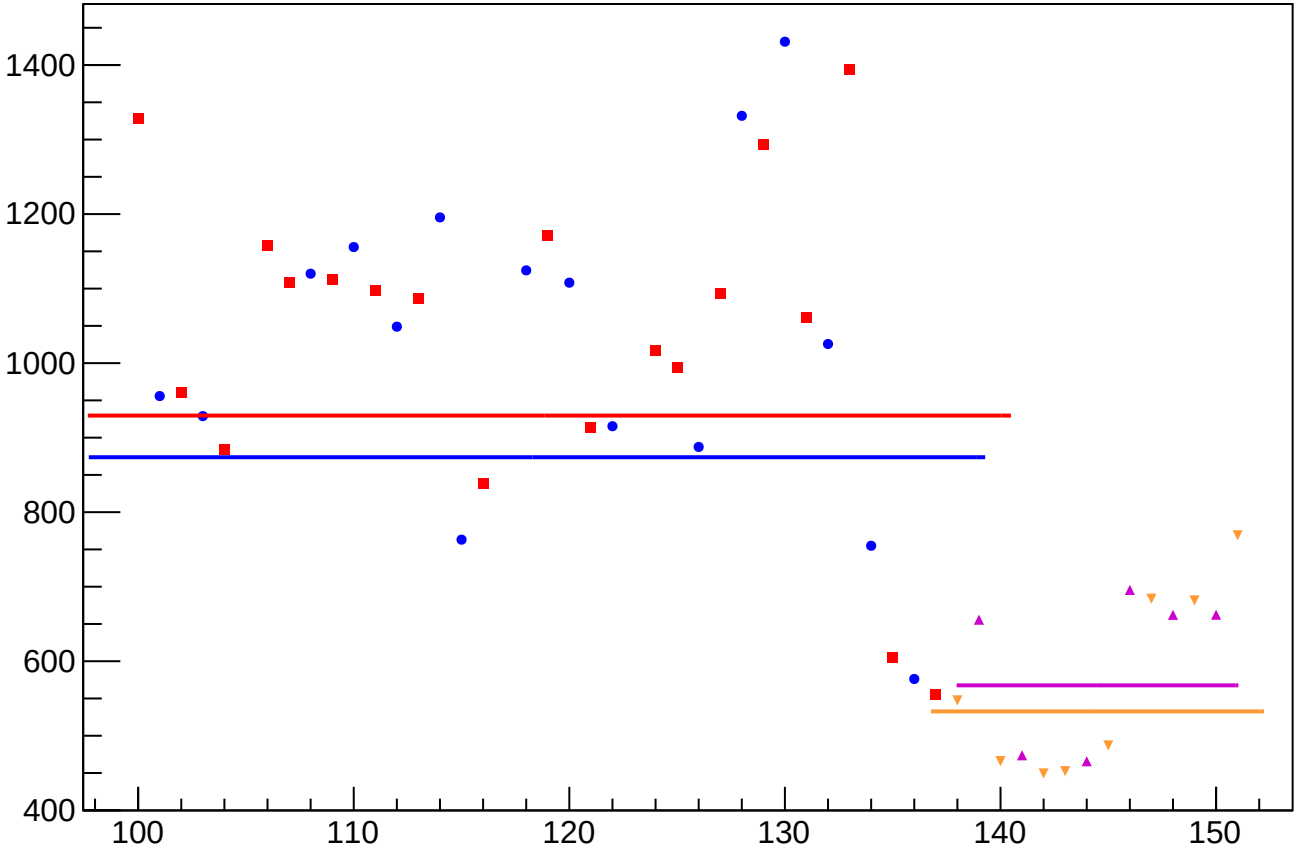
Left In: 112.799+/-251.658 χ^2/NDF:4.2/5

+ sign 476.228+/-184.194 χ^2/NDF: 30.5/23

All: 363.596+/-137.137 χ^2/NDF: 50.5/48

- sign 223.510+/-205.419 χ^2/NDF: 19.2/24

asym_usr_atr1_dd_reg_correction_rms vs Slug



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 532.661+/-0.155 χ^2/NDF:447381.4/7

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

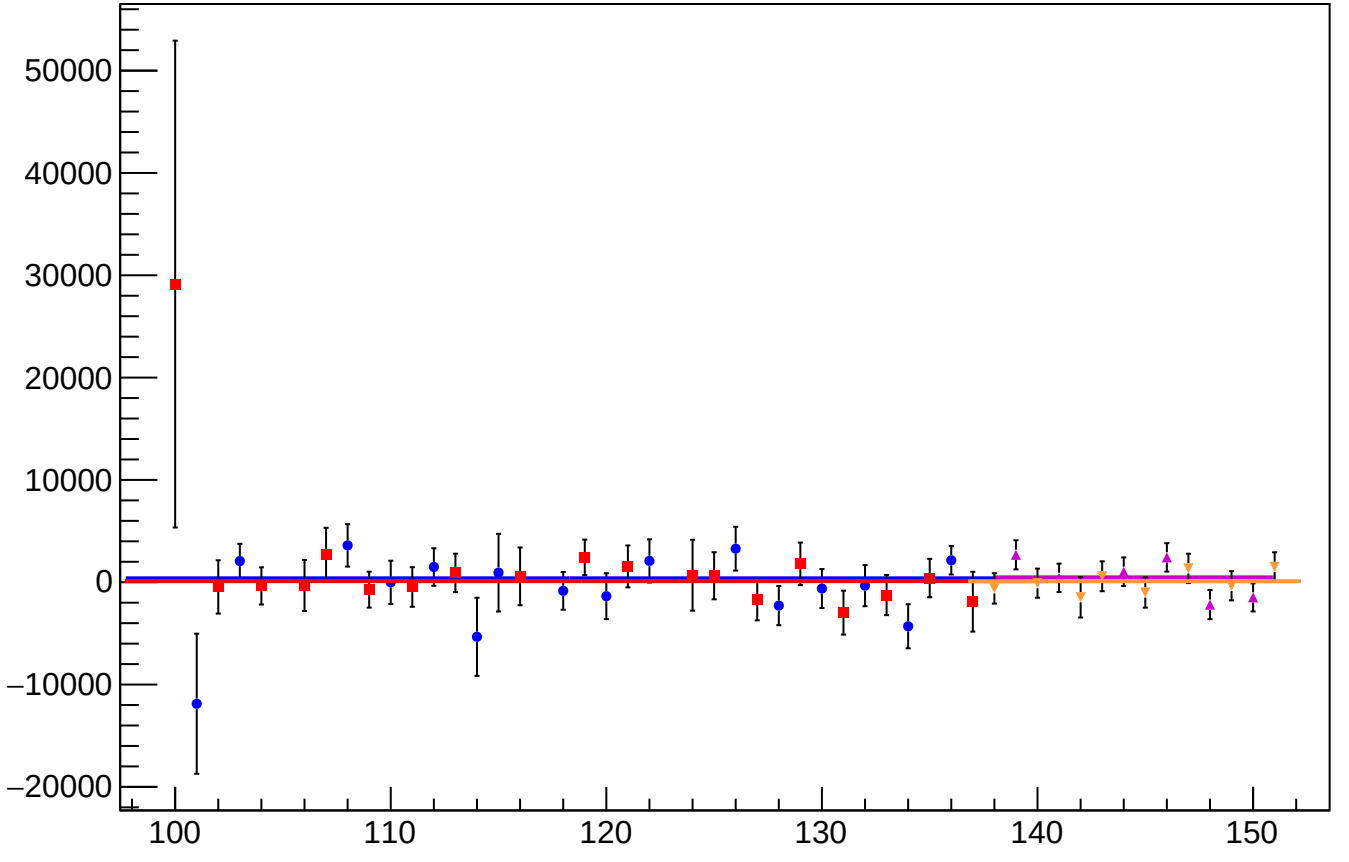
Left In: 567.628+/-0.178 χ^2/NDF:316361.3/5

+ sign 633.675+/-0.130 χ^2/NDF: 2891719.8/23

All: 658.081+/-0.097 χ^2/NDF: 5527882.4/48

- sign 688.435+/-0.145 χ^2/NDF: 2557380.6/24

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: 97.522+/-527.308 χ^2/NDF:3.4/7

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

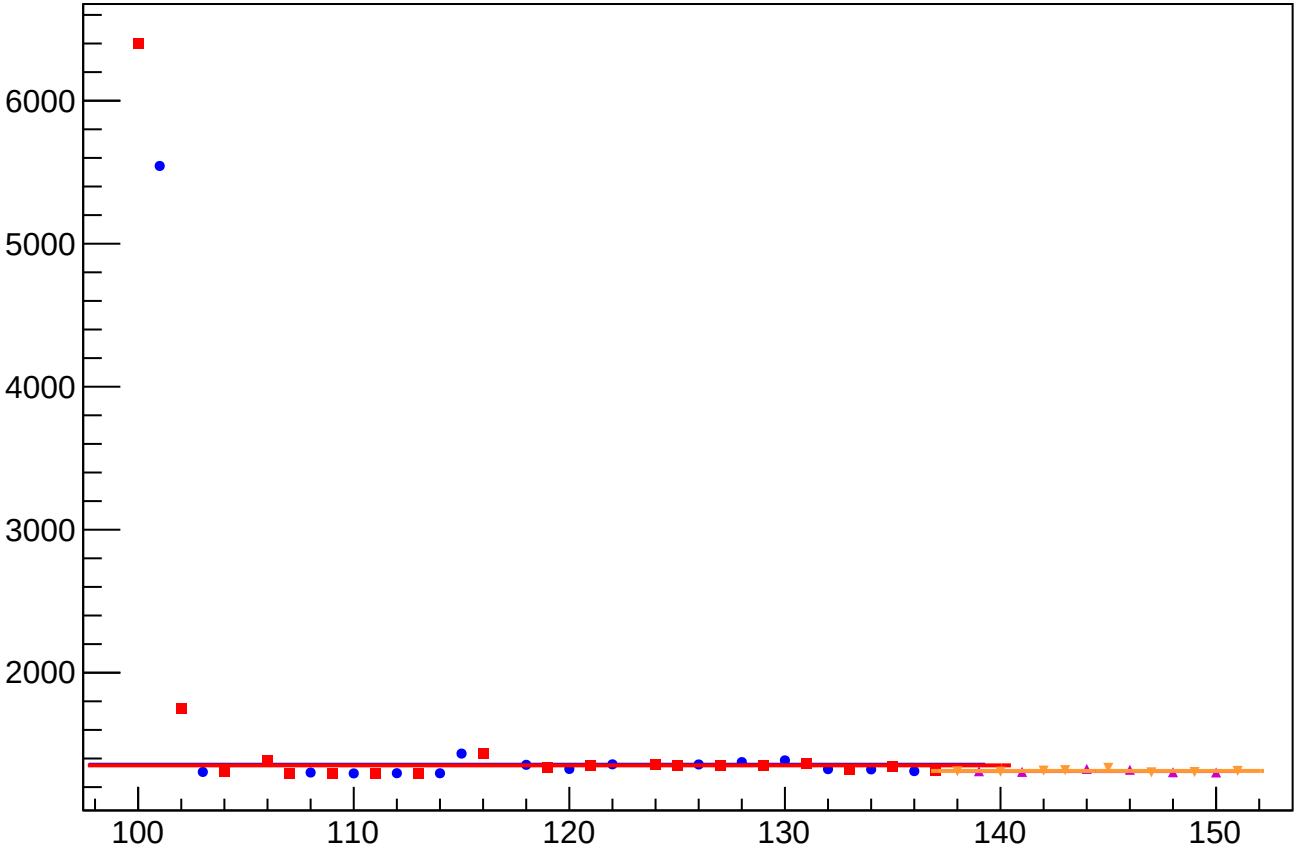
Left In: 477.226+/-571.499 χ^2/NDF:10.1/5

+ sign 242.205+/-369.452 χ^2/NDF: 25.0/23

All: 255.974+/-264.026 χ^2/NDF: 45.3/48

- sign 270.347+/-377.455 χ^2/NDF: 20.3/24

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1313.196+/-0.373 χ^2/NDF:639.9/7

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

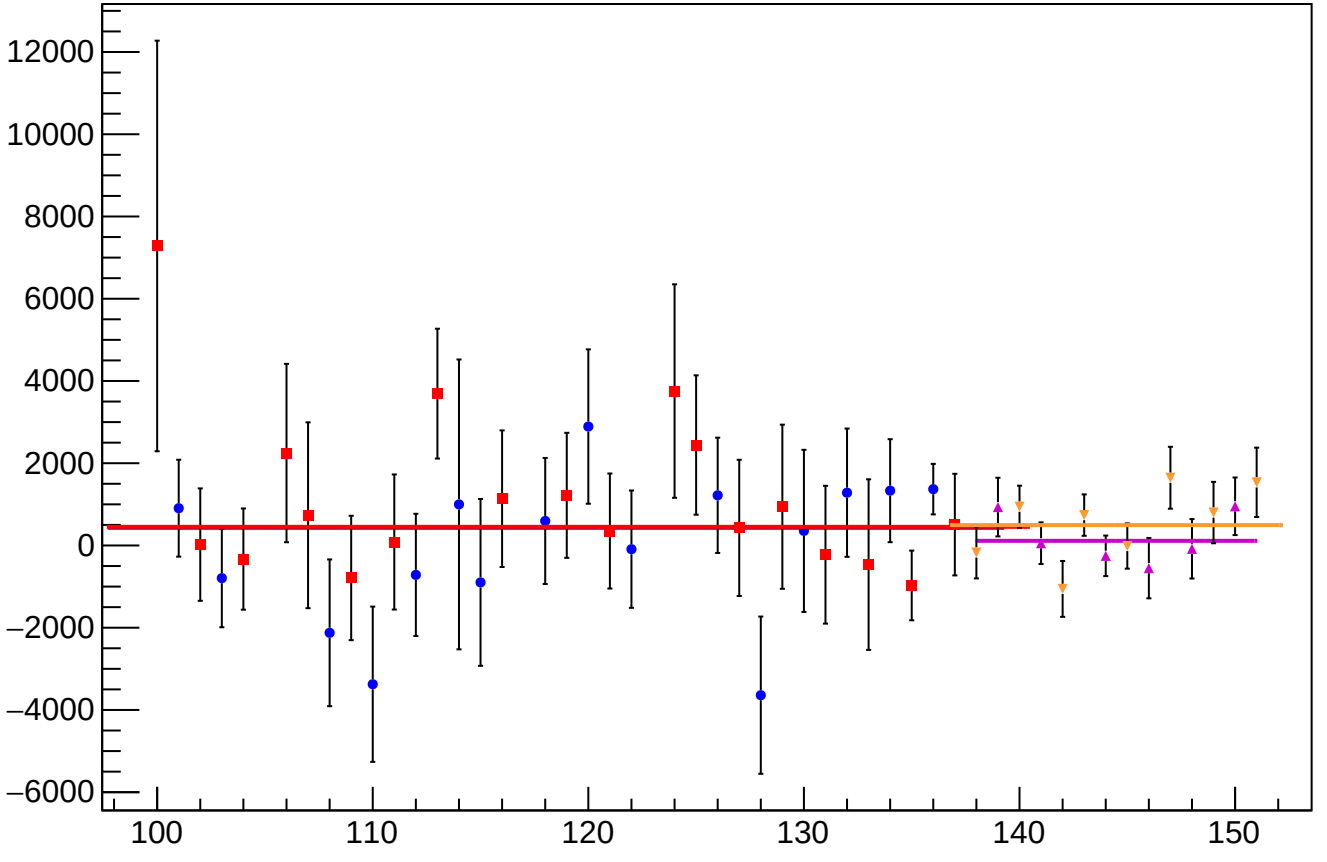
Left In: 1312.288+/-0.404 χ^2/NDF:524.9/5

+ sign 1335.190+/-0.261 χ^2/NDF: 767739.6/23

All: 1334.962+/-0.187 χ^2/NDF: 921060.0/48

- sign 1334.724+/-0.267 χ^2/NDF: 153318.8/24

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 495.458+/-219.555 χ^2/NDF:12.2/7

Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

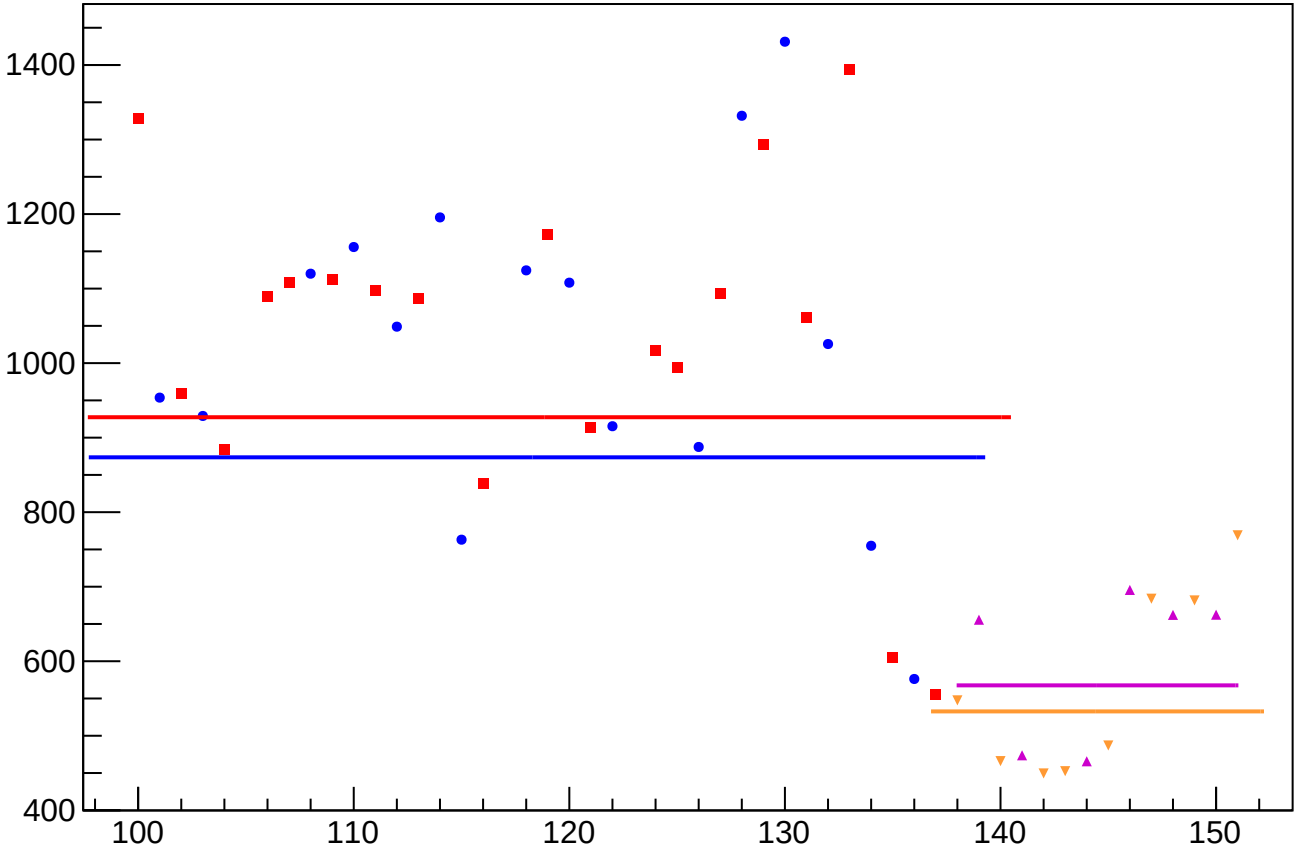
Left In: 112.807+/-251.654 χ^2/NDF:4.2/5

+ sign 476.699+/-184.186 χ^2/NDF: 30.5/23

All: 365.124+/-137.133 χ^2/NDF: 50.8/48

- sign 226.342+/-205.418 χ^2/NDF: 19.5/24

asym_usr_atr1_dd_cor_correction_rms vs Slug



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 532.665+/-0.155 χ^2/NDF:447375.9/7

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

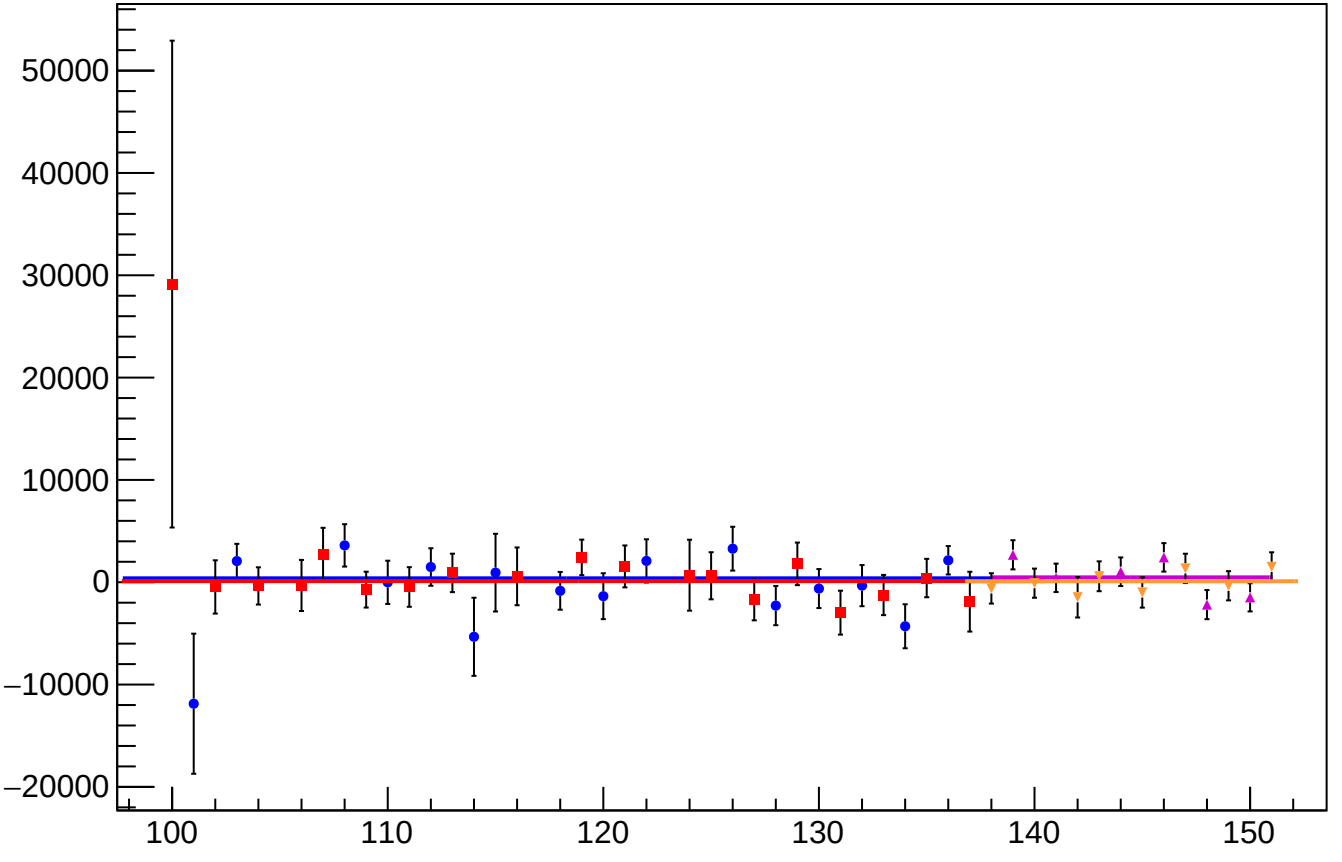
Left In: 567.618+/-0.178 χ^2/NDF:316387.6/5

+ sign 633.666+/-0.130 χ^2/NDF: 2890494.9/23

All: 657.738+/-0.097 χ^2/NDF: 5495106.9/48

- sign 687.680+/-0.145 χ^2/NDF: 2527957.2/24

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: 97.522+/-527.308 χ^2/NDF:3.4/7

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

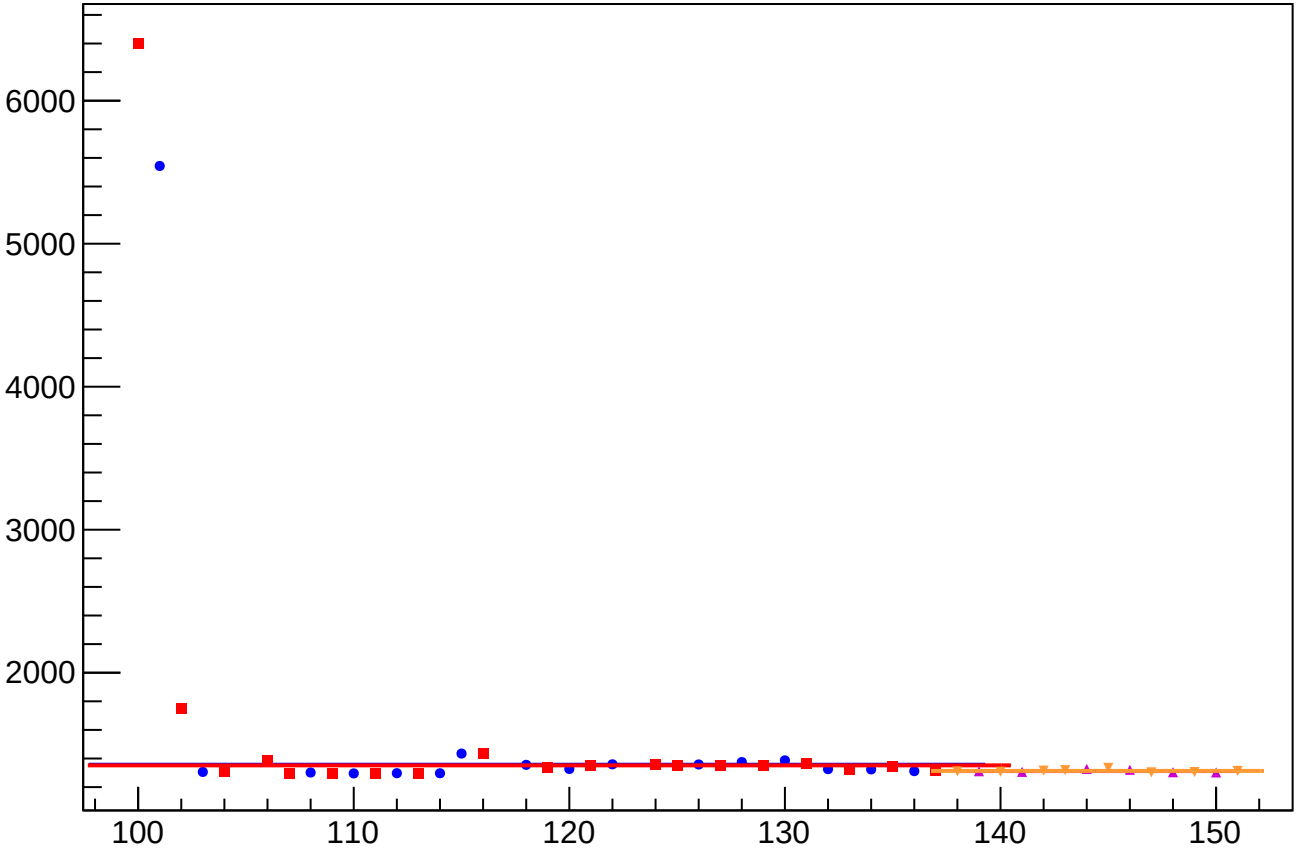
Left In: 477.226+/-571.499 χ^2/NDF:10.1/5

+ sign 242.205+/-369.452 χ^2/NDF: 25.0/23

All: 255.974+/-264.026 χ^2/NDF: 45.3/48

- sign 270.347+/-377.455 χ^2/NDF: 20.3/24

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1313.196+/-0.373 χ^2/NDF:639.9/7

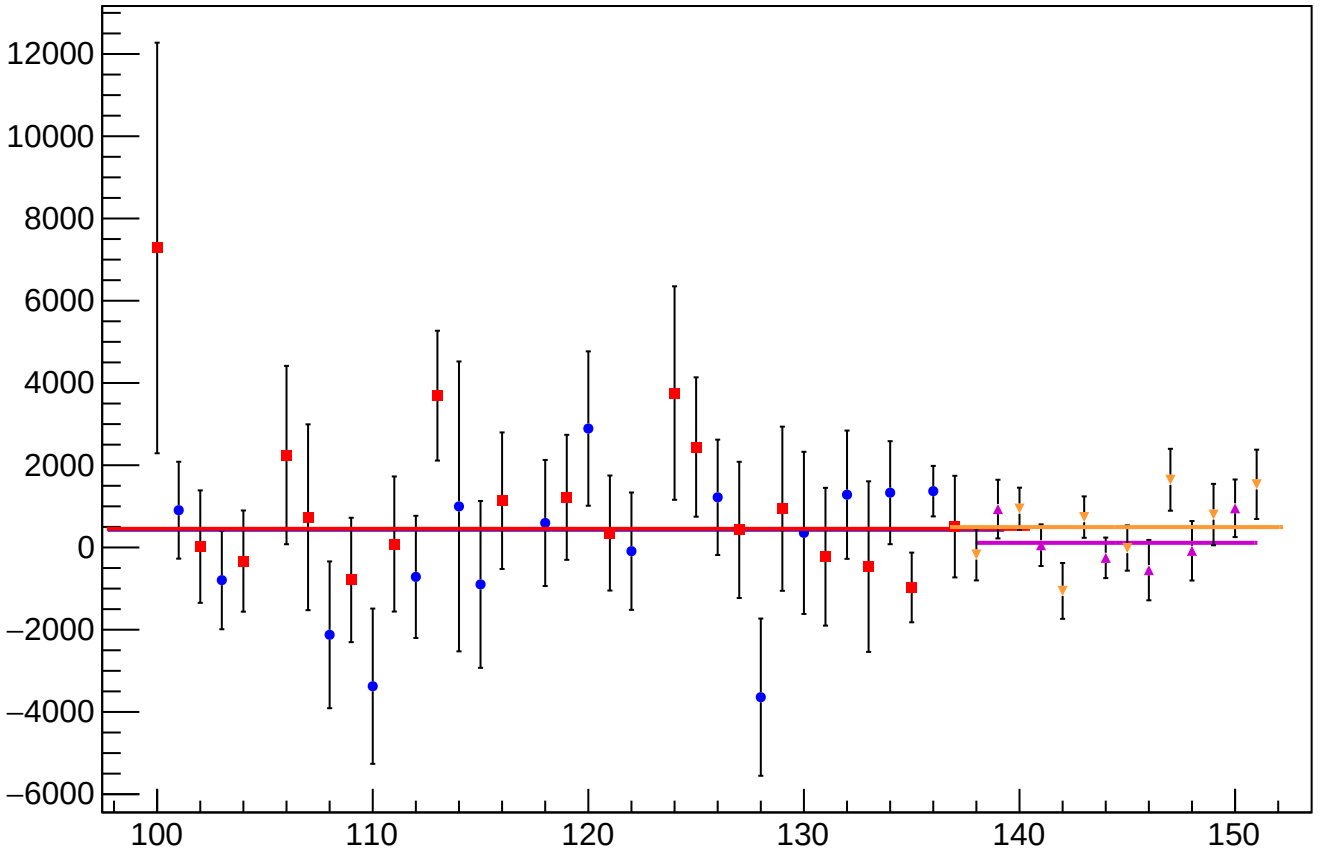
Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1312.288+/-0.404 χ^2/NDF:524.9/5

+ sign 1335.190+/-0.261 χ^2/NDF: 767739.6/23

All: 1334.962+/-0.187 χ^2/NDF: 921060.0/48

- sign 1334.724+/-0.267 χ^2/NDF: 153318.8/24



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 495.458+/-219.555 χ^2/NDF:12.2/7

Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

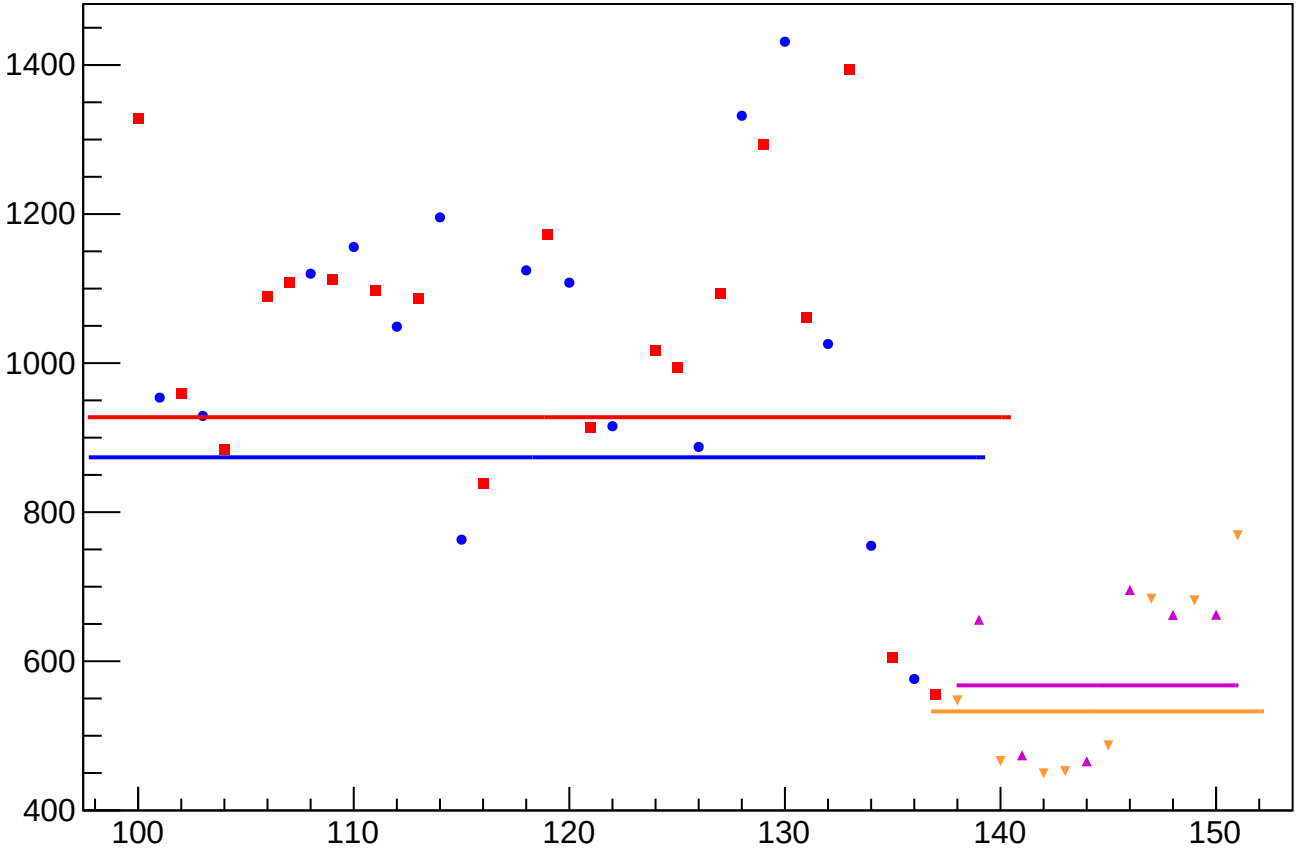
Left In: 112.807+/-251.654 χ^2/NDF:4.2/5

+ sign 476.699+/-184.186 χ^2/NDF: 30.5/23

All: 365.124+/-137.133 χ^2/NDF: 50.8/48

- sign 226.342+/-205.418 χ^2/NDF: 19.5/24

asym_usr_atr1_dd_eigen_cor_correction_rms vs Slug



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 532.665+/-0.155 χ^2/NDF:447375.9/7

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

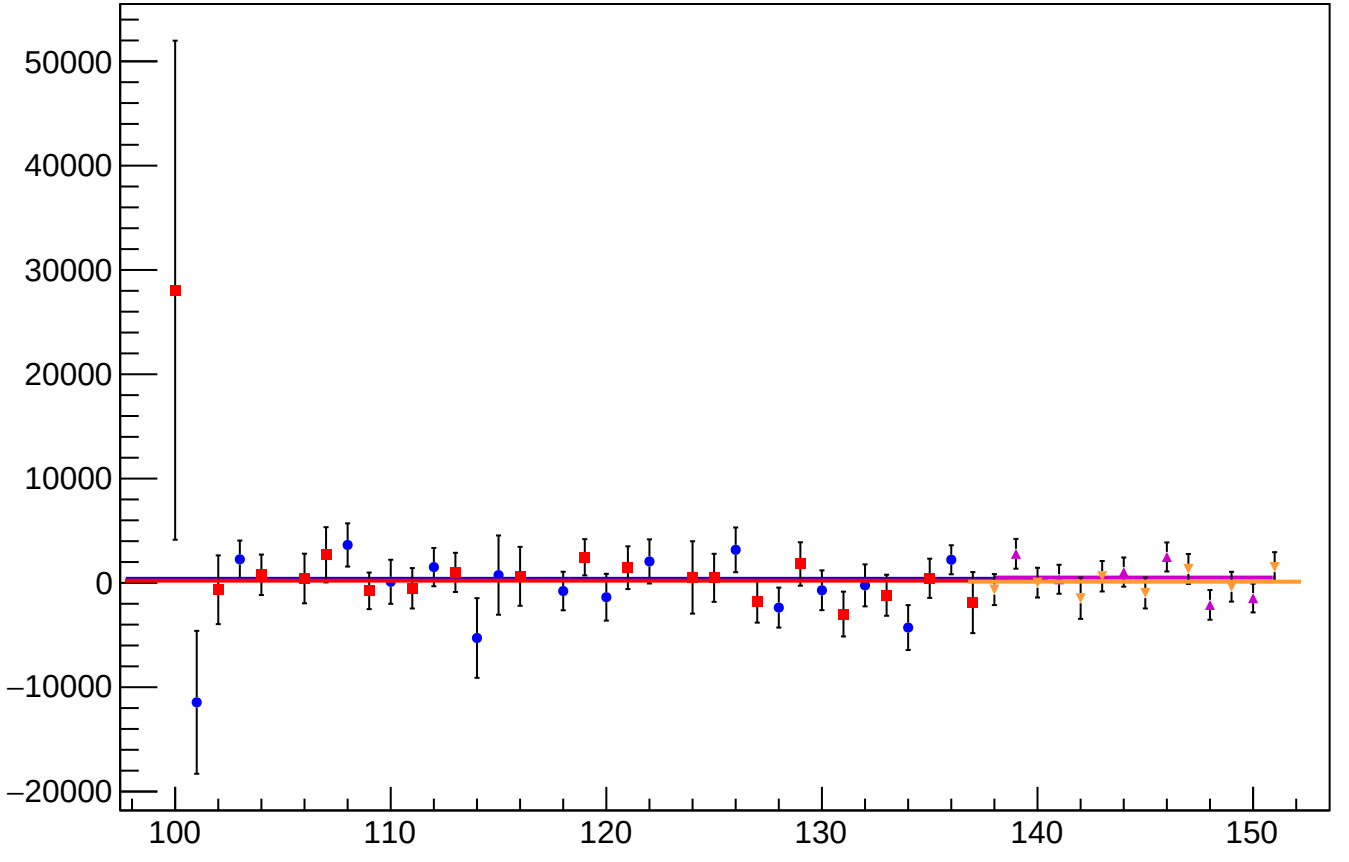
Left In: 567.618+/-0.178 χ^2/NDF:316387.6/5

+ sign 633.666+/-0.130 χ^2/NDF: 2890494.9/23

All: 657.738+/-0.097 χ^2/NDF: 5495106.9/48

- sign 687.680+/-0.145 χ^2/NDF: 2527957.2/24

dit_asym_usr_atr1_dd_mean vs Slug



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: 117.273+/-527.665 χ^2/NDF:3.4/7

Right Out: 218.184+/-507.927 χ^2/NDF: 10.0/18

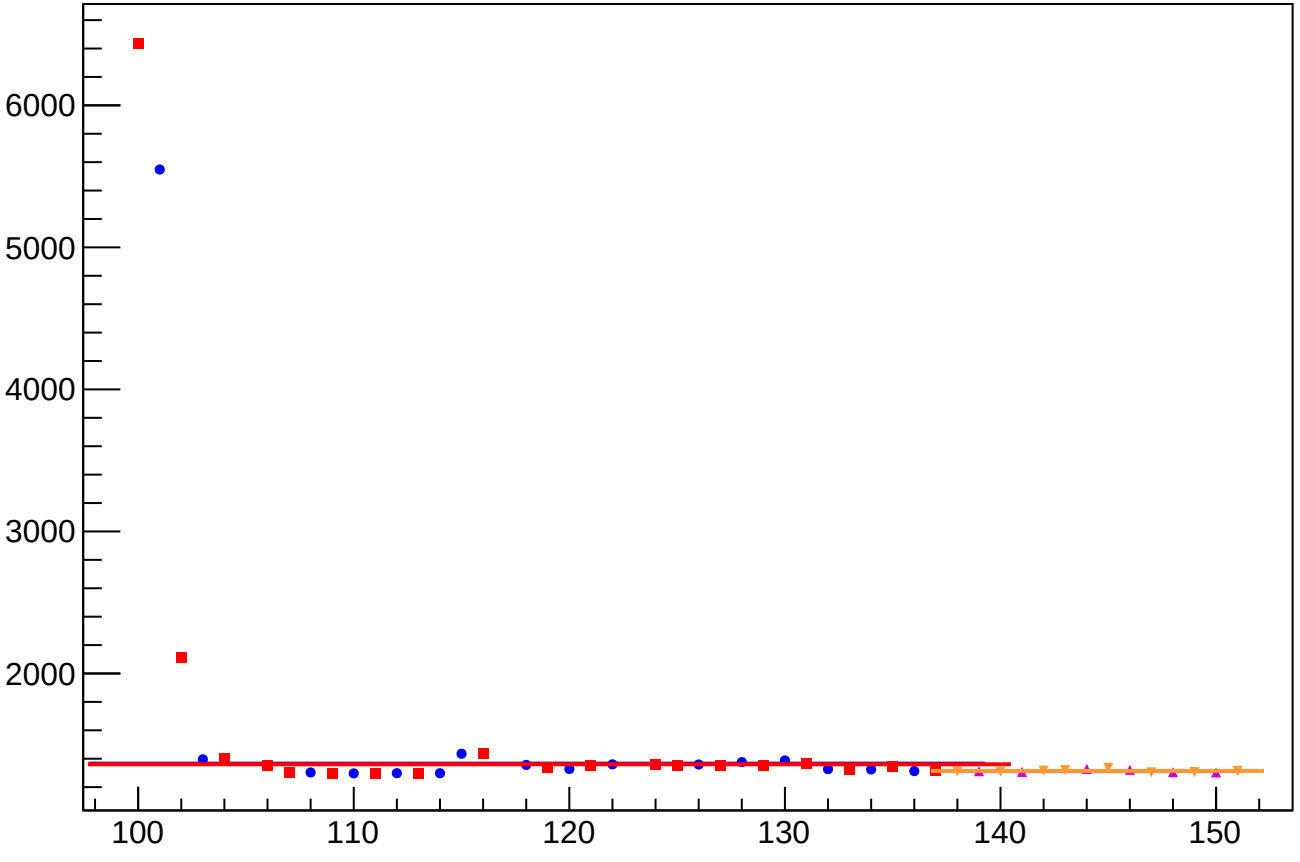
Left In: 508.410+/-571.873 χ^2/NDF:10.2/5

+ sign 255.303+/-370.794 χ^2/NDF: 24.9/23

All: 299.650+/-265.305 χ^2/NDF: 45.2/48

- sign 346.170+/-379.763 χ^2/NDF: 20.3/24

dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1314.087+/-0.373 χ^2/NDF:630.5/7

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

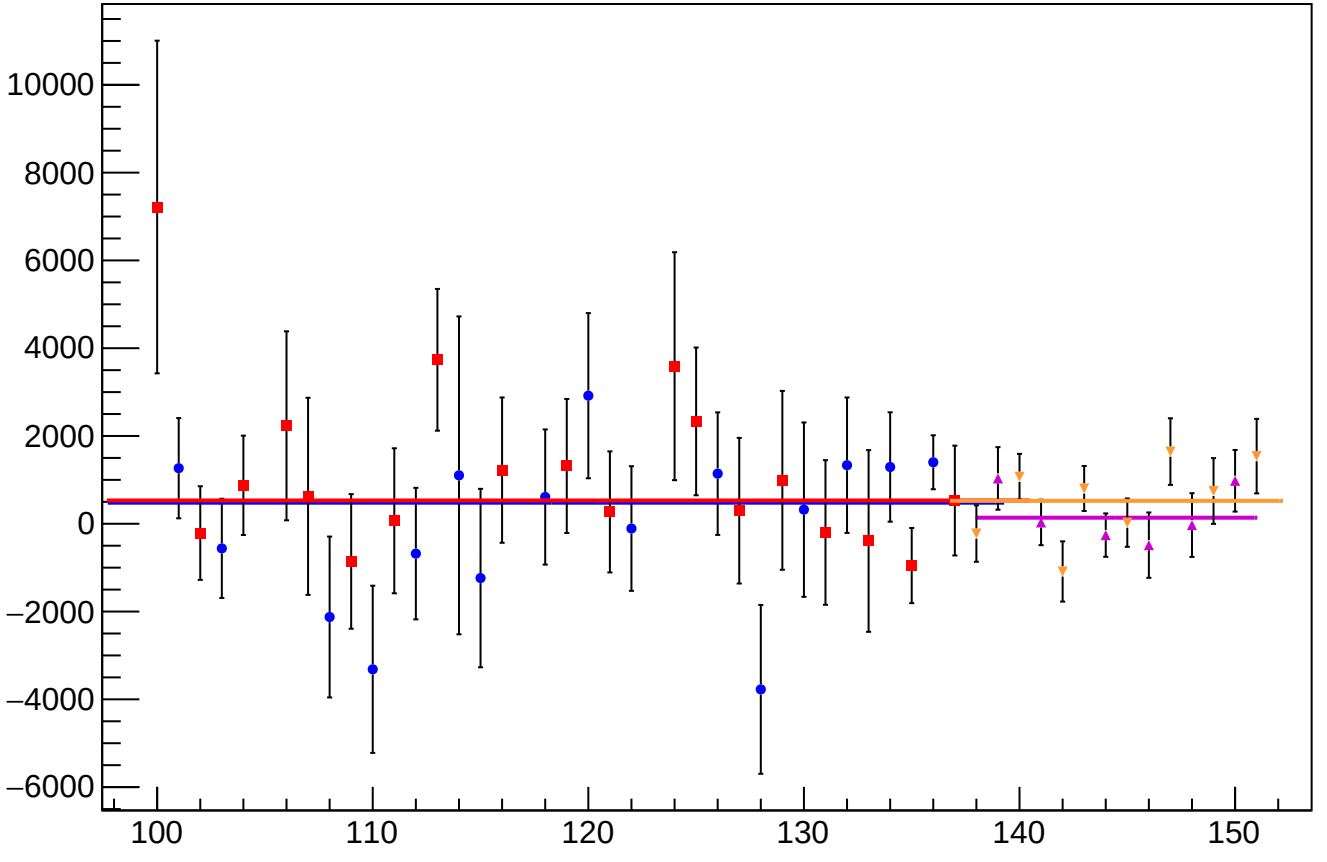
Left In: 1313.147+/-0.404 χ^2/NDF:518.6/5

+ sign 1340.012+/-0.262 χ^2/NDF: 769112.8/23

All: 1339.894+/-0.188 χ^2/NDF: 982700.5/48

- sign 1339.769+/-0.269 χ^2/NDF: 213587.3/24

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 521.658+/-222.449 χ^2/NDF:12.8/7

Right Out: 530.532+/-346.105 χ^2/NDF: 15.6/18

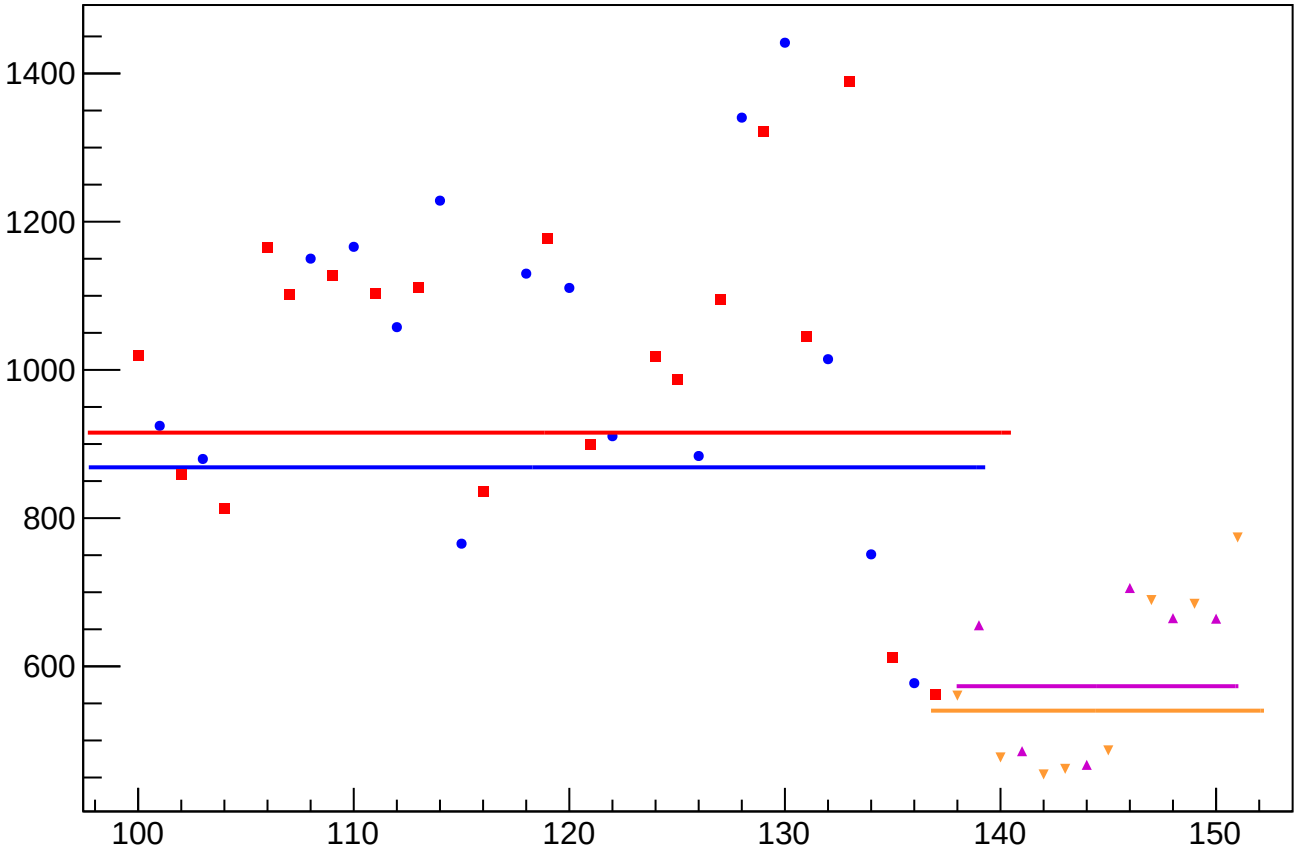
Left In: 138.197+/-253.913 χ^2/NDF:4.5/5

\+ sign 509.113+/-185.570 χ^2/NDF: 31.4/23

All: 403.734+/-137.493 χ^2/NDF: 53.0/48

\- sign 275.473+/-204.728 χ^2/NDF: 20.9/24

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 540.218+/-0.157 χ^2/NDF:431524.4/7

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

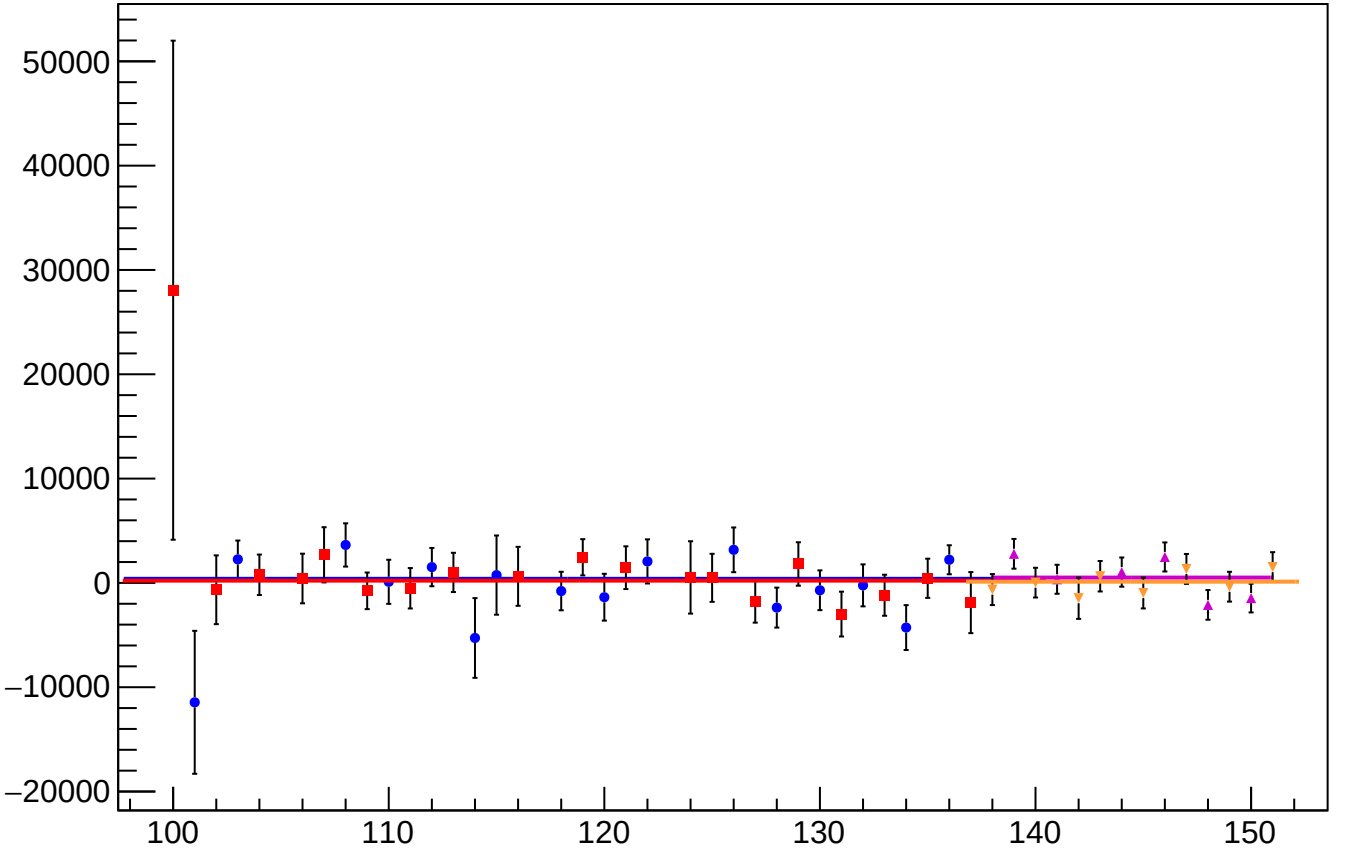
Left In: 573.215+/-0.180 χ^2/NDF:304975.0/5

+ sign 640.065+/-0.131 χ^2/NDF: 2777961.2/23

All: 663.909+/-0.097 χ^2/NDF: 5285675.9/48

- sign 692.930+/-0.145 χ^2/NDF: 2434507.6/24

eigen_dit_asym_usr_atr1_dd_mean vs Slug



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: 117.273+/-527.665 χ^2/NDF:3.4/7

Right Out: 218.182+/-507.927 χ^2/NDF: 10.0/18

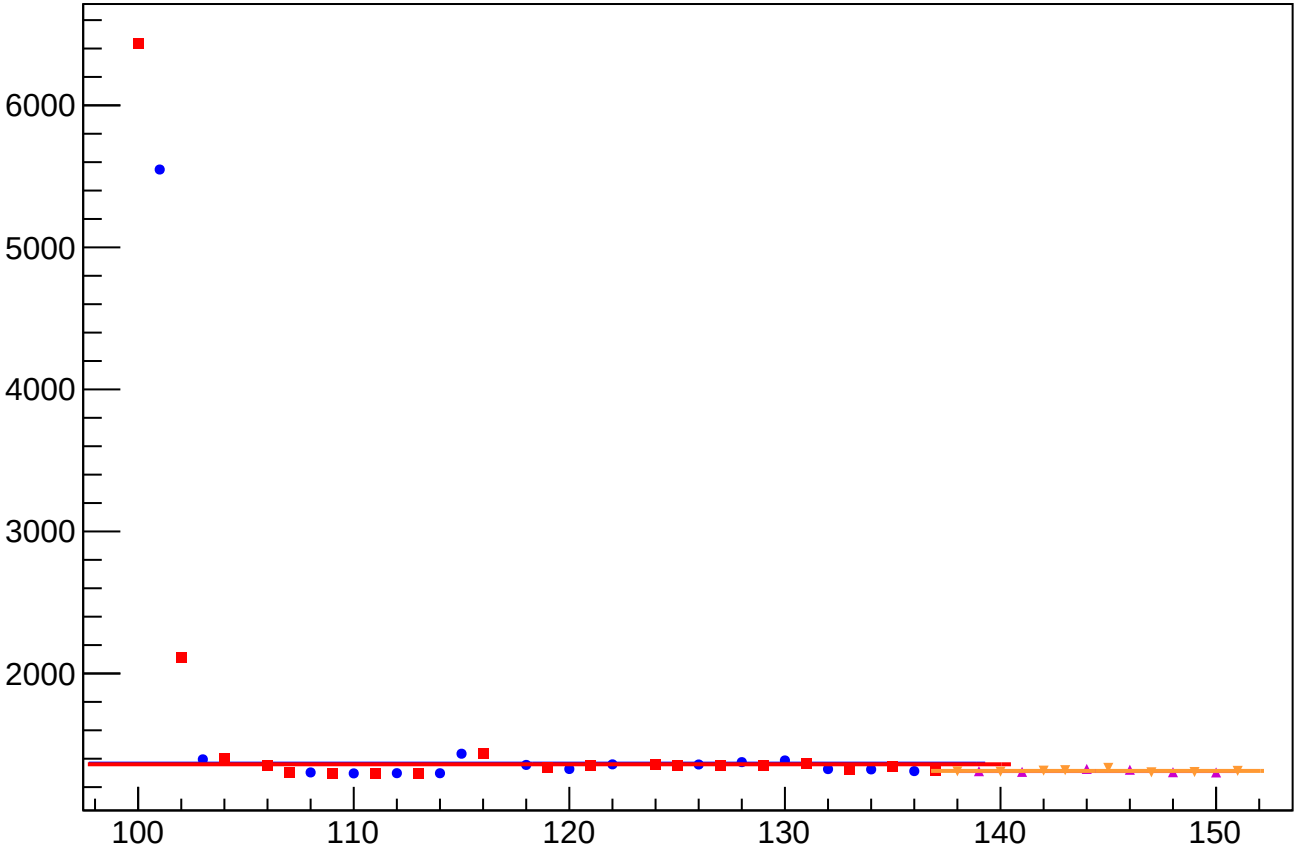
Left In: 508.410+/-571.873 χ^2/NDF:10.2/5

+ sign 255.303+/-370.794 χ^2/NDF: 24.9/23

All: 299.650+/-265.305 χ^2/NDF: 45.2/48

- sign 346.169+/-379.763 χ^2/NDF: 20.3/24

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1314.087+/-0.373 χ^2/NDF:630.5/7

Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

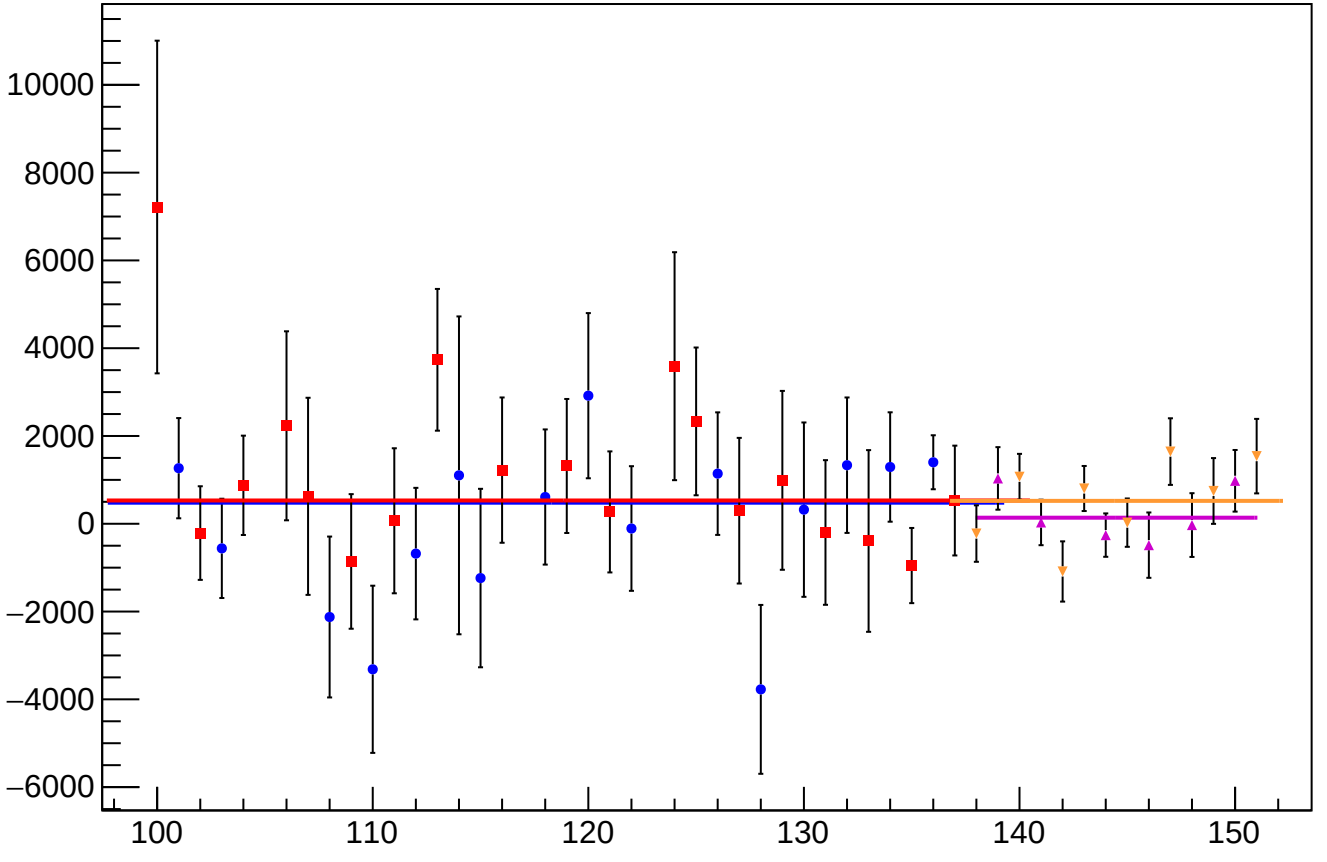
Left In: 1313.147+/-0.404 χ^2/NDF:518.6/5

+ sign 1340.012+/-0.262 χ^2/NDF: 769112.8/23

All: 1339.894+/-0.188 χ^2/NDF: 982700.4/48

- sign 1339.769+/-0.269 χ^2/NDF: 213587.2/24

asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug



Right In: 480.400+/-336.519 χ^2/NDF: 18.6/15

Left Out: 521.660+/-222.449 χ^2/NDF:12.8/7

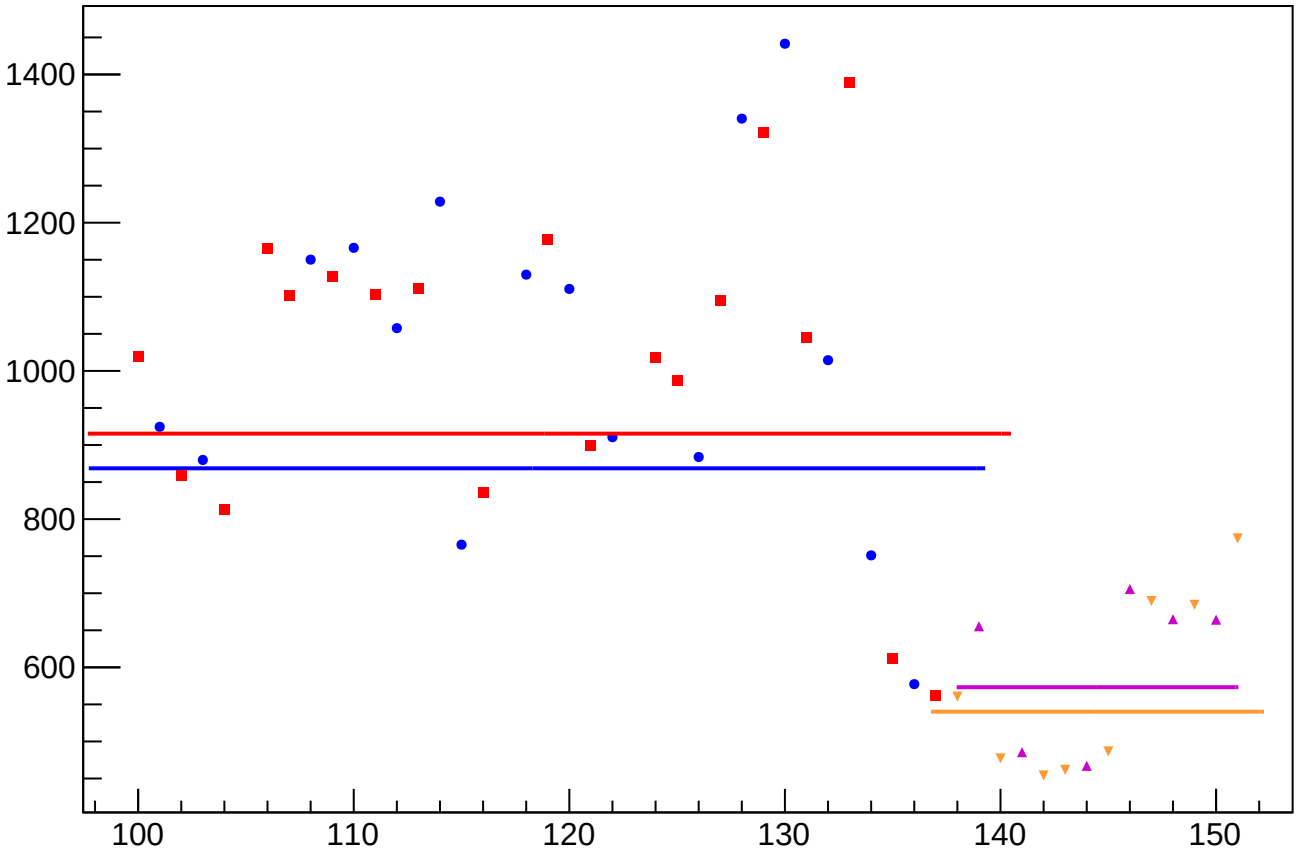
Right Out: 530.531+/-346.104 χ^2/NDF: 15.6/18

Left In: 138.197+/-253.913 χ^2/NDF:4.5/5

\+ sign 509.114+/-185.570 χ^2/NDF: 31.4/23

All: 403.734+/-137.493 χ^2/NDF: 53.0/48

\- sign 275.473+/-204.728 χ^2/NDF: 20.9/24



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

Left Out: 540.218+/-0.157 χ^2/NDF:431527.9/7

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

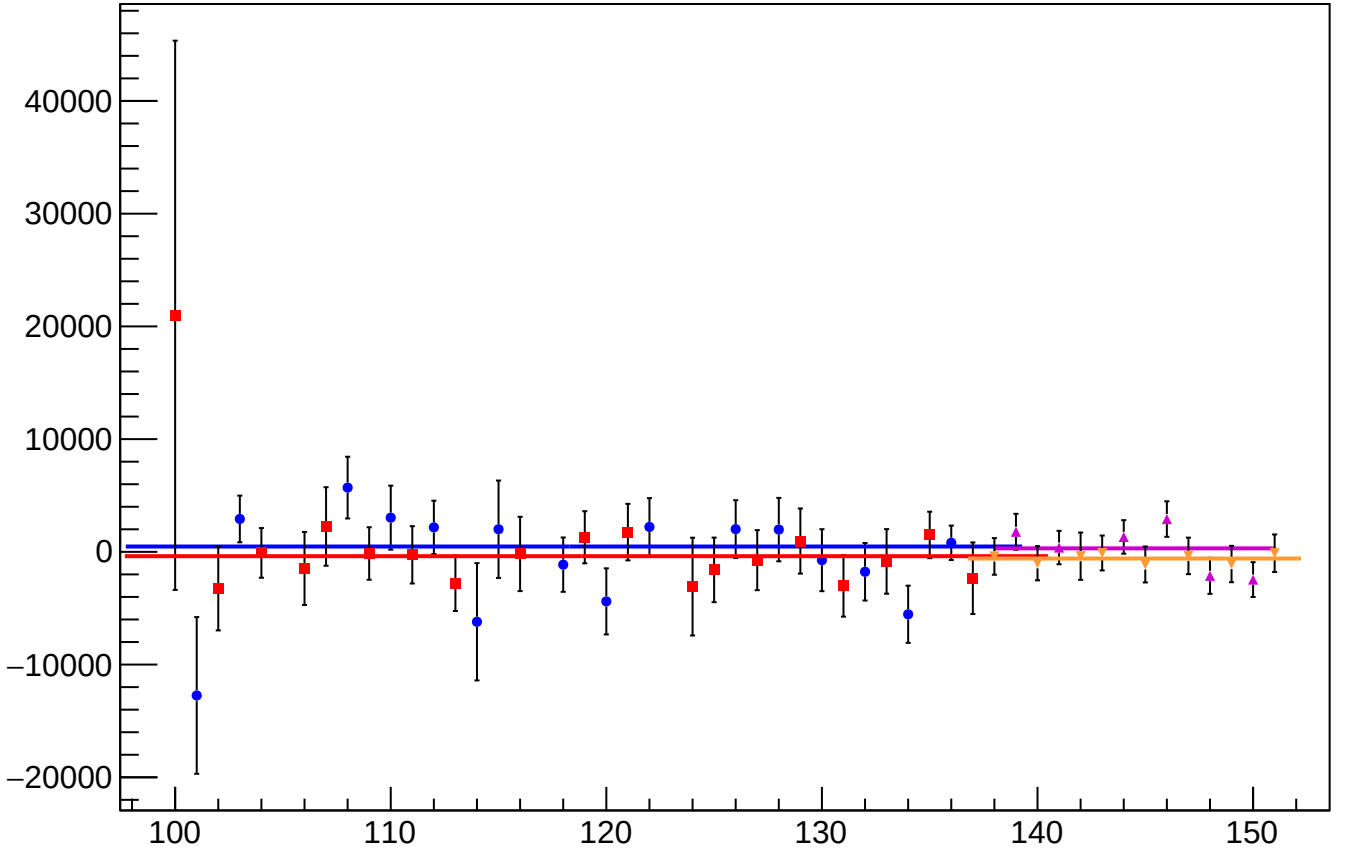
Left In: 573.216+/-0.180 χ^2/NDF:304976.1/5

+ sign 640.065+/-0.131 χ^2/NDF: 2777952.8/23

All: 663.909+/-0.097 χ^2/NDF: 5285656.6/48

- sign 692.930+/-0.145 χ^2/NDF: 2434494.4/24

asym_usr_atr1_dd_mean vs Slug



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -590.737+/-579.545 χ^2/NDF:0.5/7

Right Out: -384.785+/-641.994 χ^2/NDF: 7.3/18

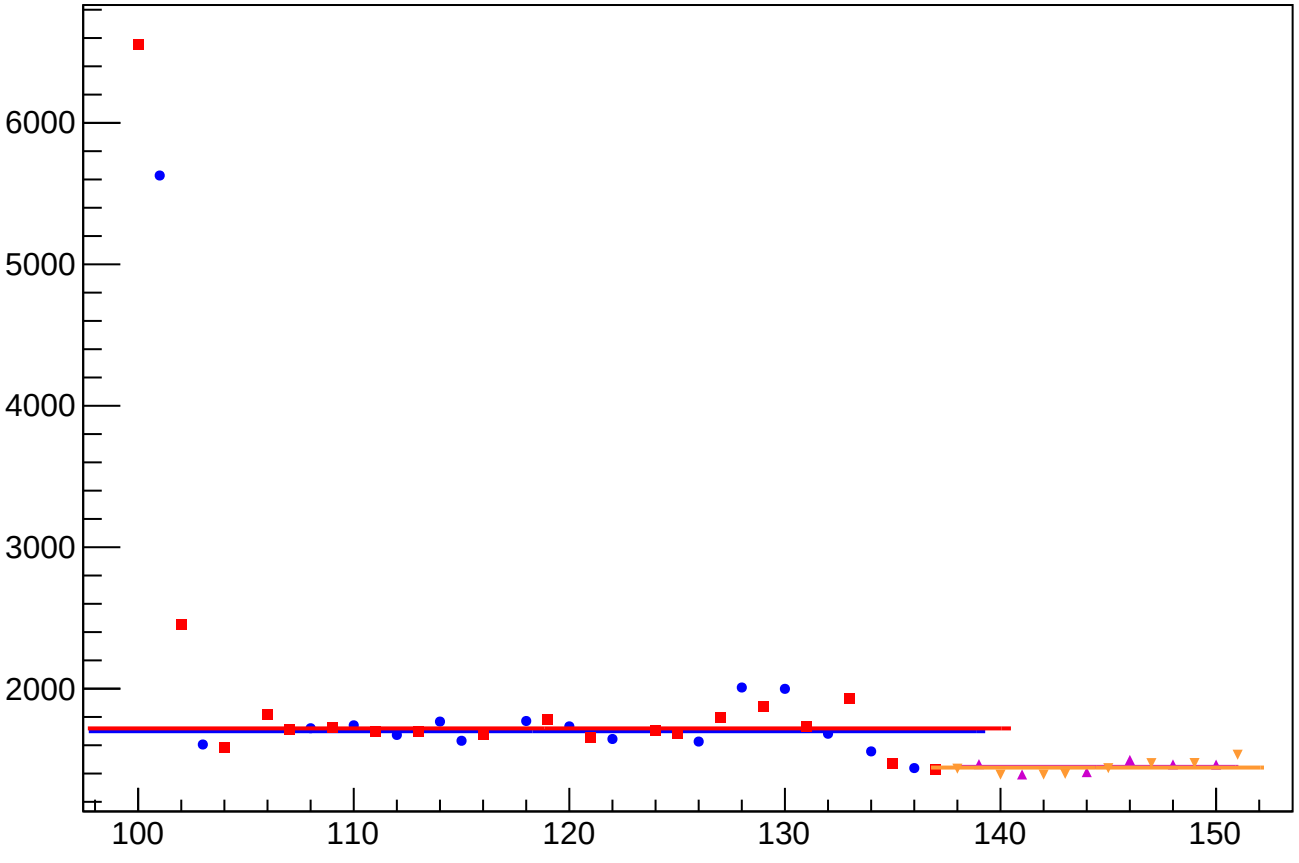
Left In: 310.067+/-630.441 χ^2/NDF:9.6/5

+ sign -118.792+/-432.349 χ^2/NDF: 24.7/23

All: -76.658+/-311.710 χ^2/NDF: 42.2/48

- sign -31.051+/-449.818 χ^2/NDF: 17.4/24

asym_usr_atr1_dd_rms vs Slug



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1442.351+/-0.410 χ^2/NDF:12457.7/7

Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

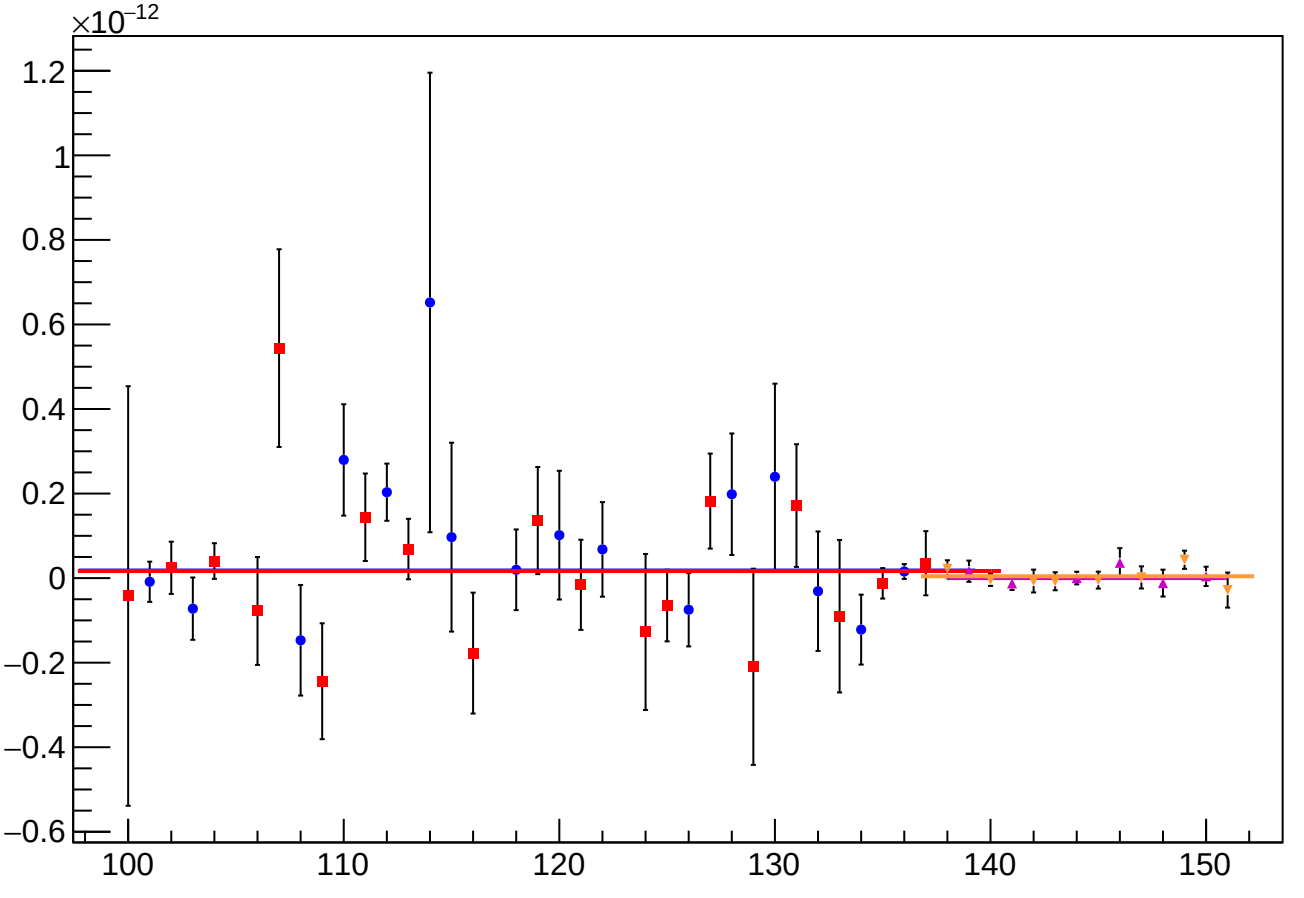
Left In: 1447.136+/-0.446 χ^2/NDF:6549.3/5

+ sign 1556.311+/-0.306 χ^2/NDF: 948938.7/23

All: 1567.999+/-0.220 χ^2/NDF: 1375003.6/48

- sign 1580.650+/-0.318 χ^2/NDF: 423021.1/24

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:5.7/7

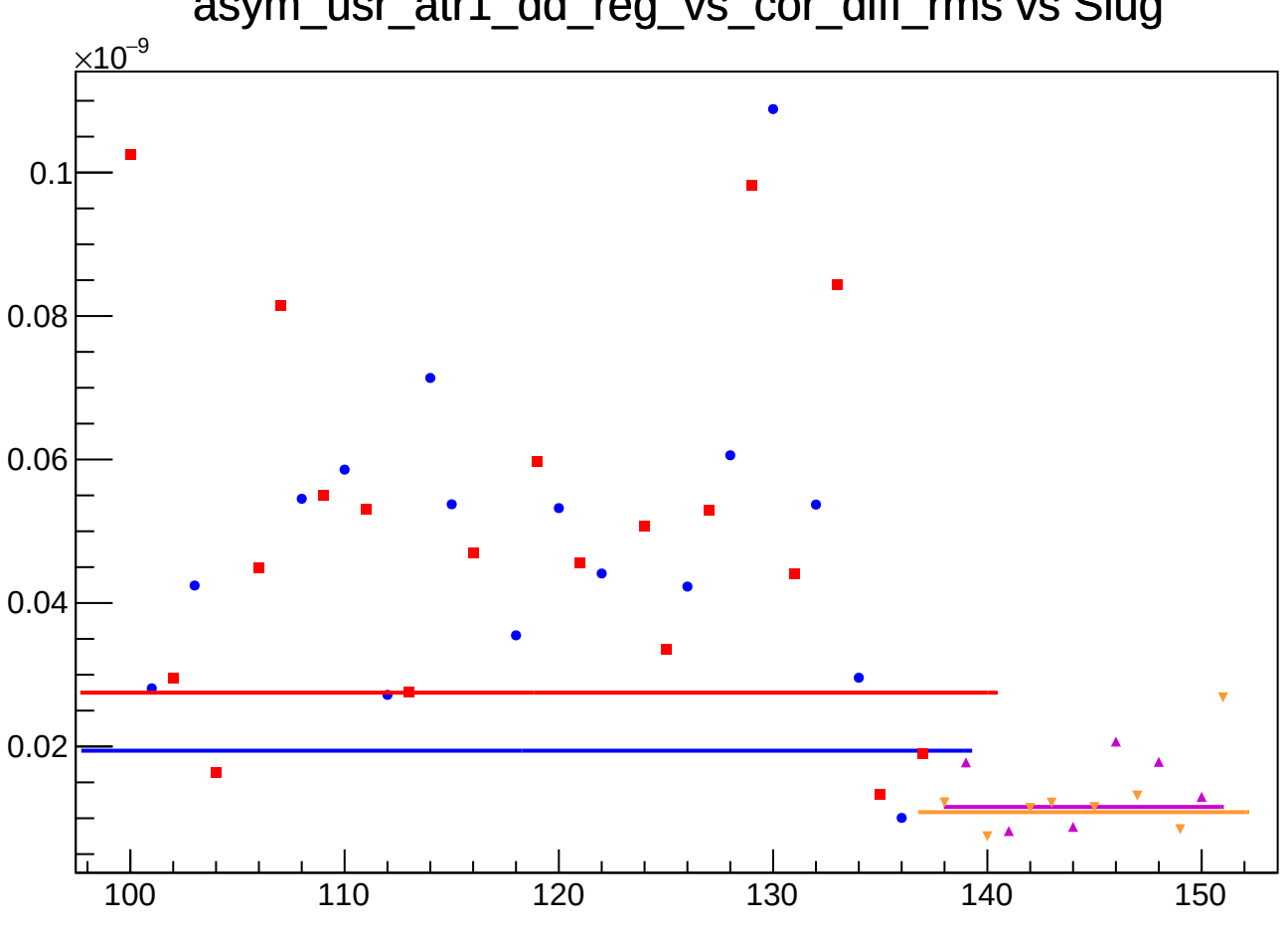
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2.3/5

+ sign 0.000+/-0.000 χ^2/NDF: 30.0/23

All: 0.000+/-0.000 χ^2/NDF: 54.5/48

- sign 0.000+/-0.000 χ^2/NDF: 24.3/24



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:468338.7/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

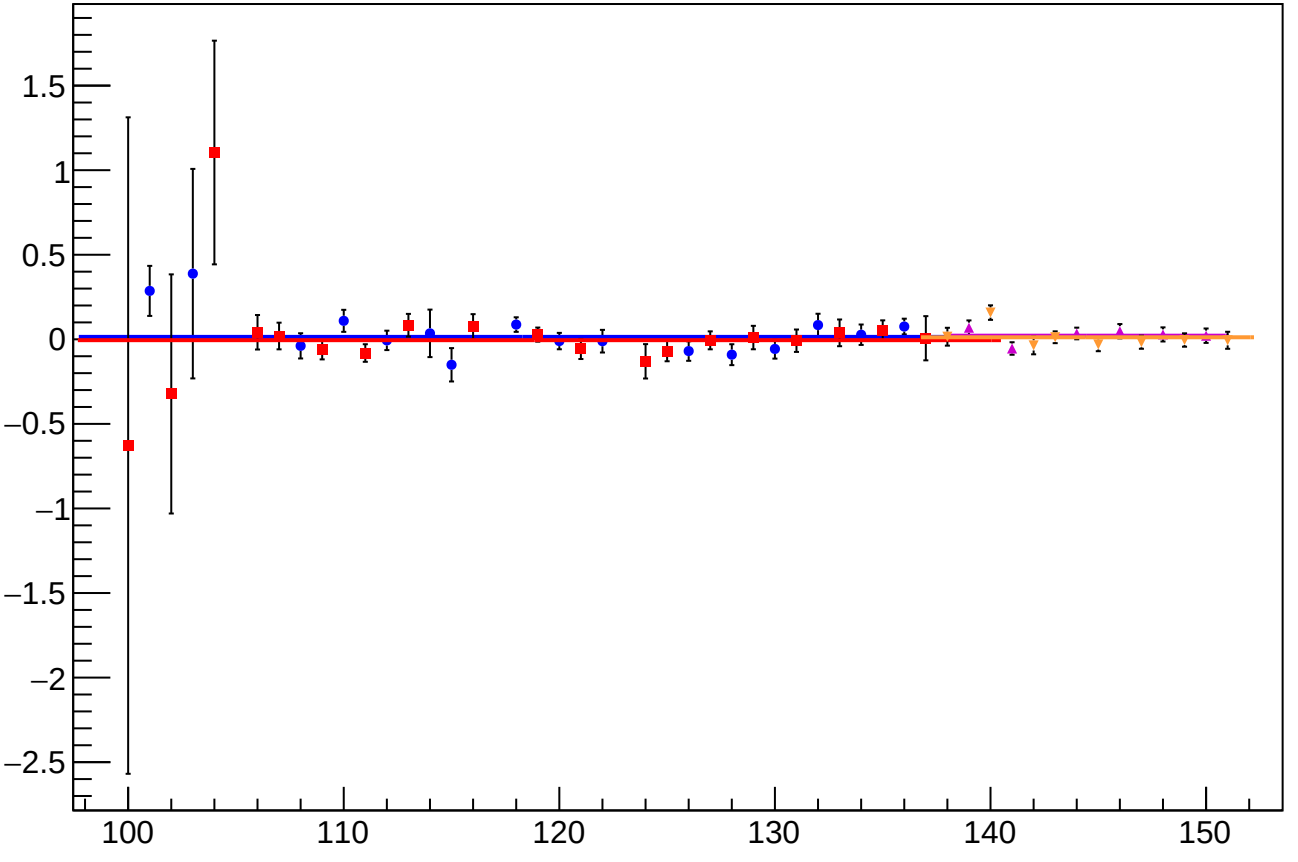
Left In: 0.000+/-0.000 χ^2/NDF:508585.5/5

+ sign 0.000+/-0.000 χ^2/NDF: 3300127.9/23

All: 0.000+/-0.000 χ^2/NDF: 6663090.4/48

- sign 0.000+/-0.000 χ^2/NDF: 3320239.9/24

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: 0.012+/-0.015 χ^2/NDF:14.3/7

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

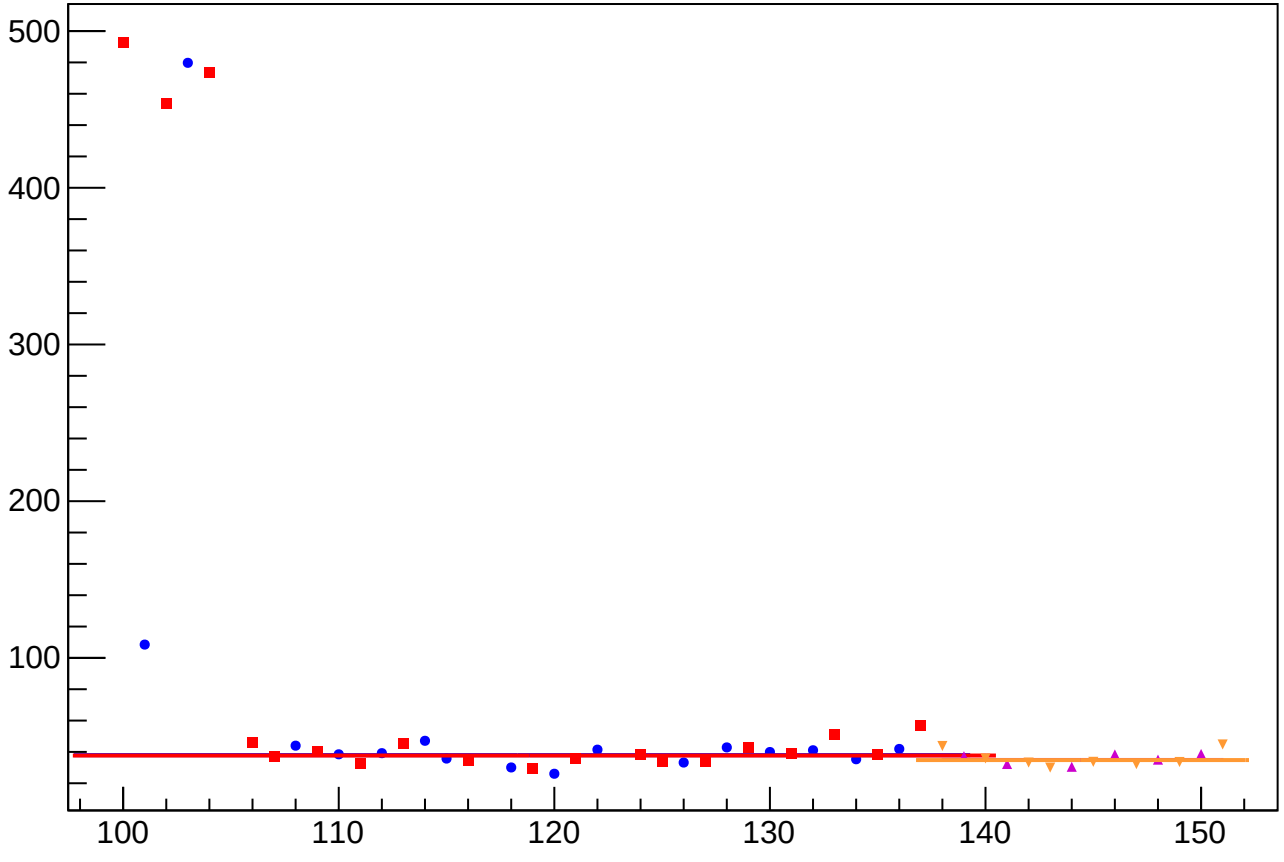
Left In: 0.021+/-0.016 χ^2/NDF:5.9/5

+ sign 0.013+/-0.011 χ^2/NDF: 36.4/23

All: 0.011+/-0.008 χ^2/NDF: 58.7/48

- sign 0.008+/-0.011 χ^2/NDF: 22.2/24

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: 34.795+/-0.011 χ^2/NDF:189302.3/7

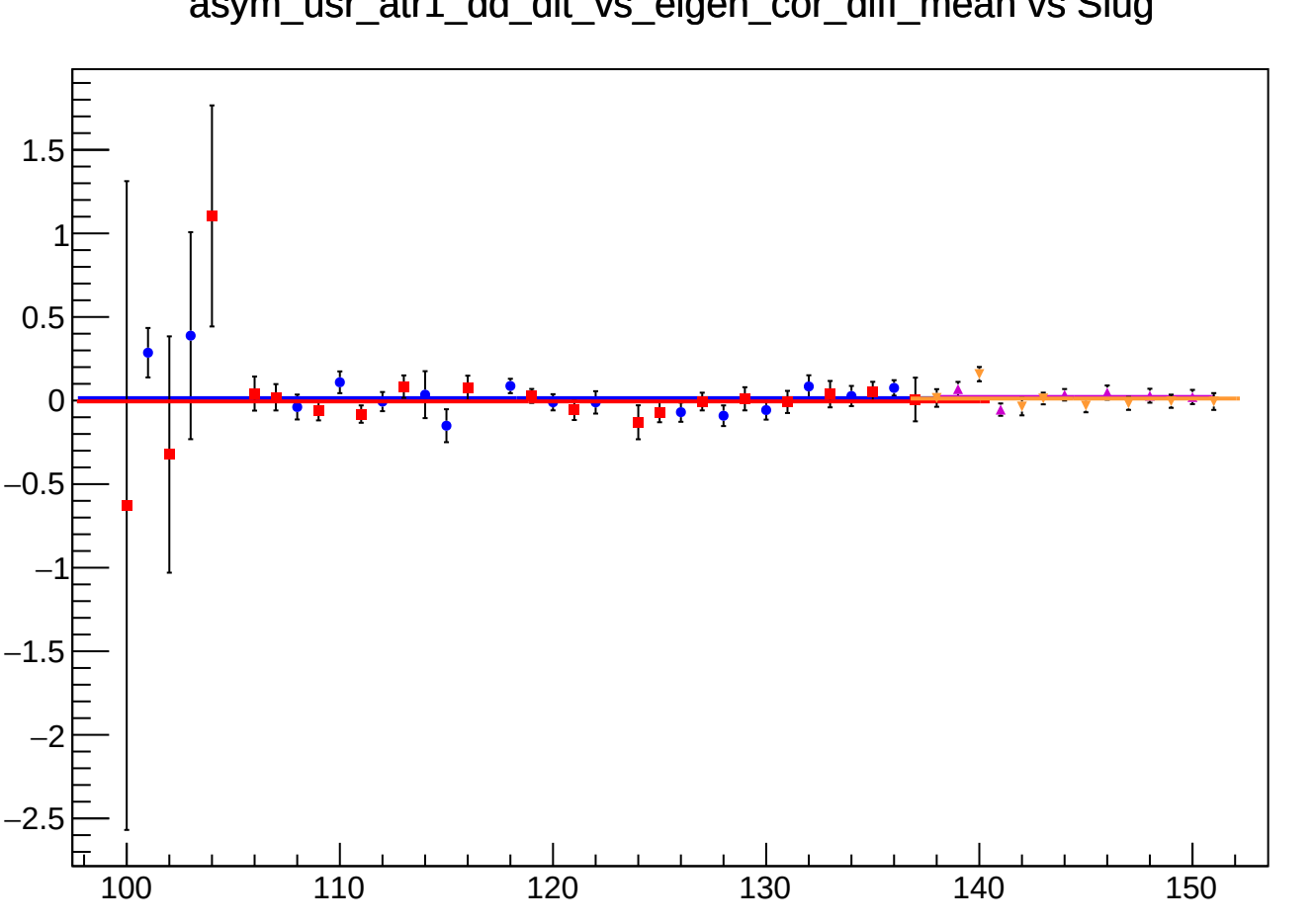
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 34.858+/-0.011 χ^2/NDF:77069.1/5

\+ sign 36.282+/-0.008 χ^2/NDF: 1970146.2/23

All: 36.288+/-0.006 χ^2/NDF: 4022979.0/48

\- sign 36.295+/-0.008 χ^2/NDF: 2052831.6/24



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.012+/-0.015 χ^2/NDF:14.3/7

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

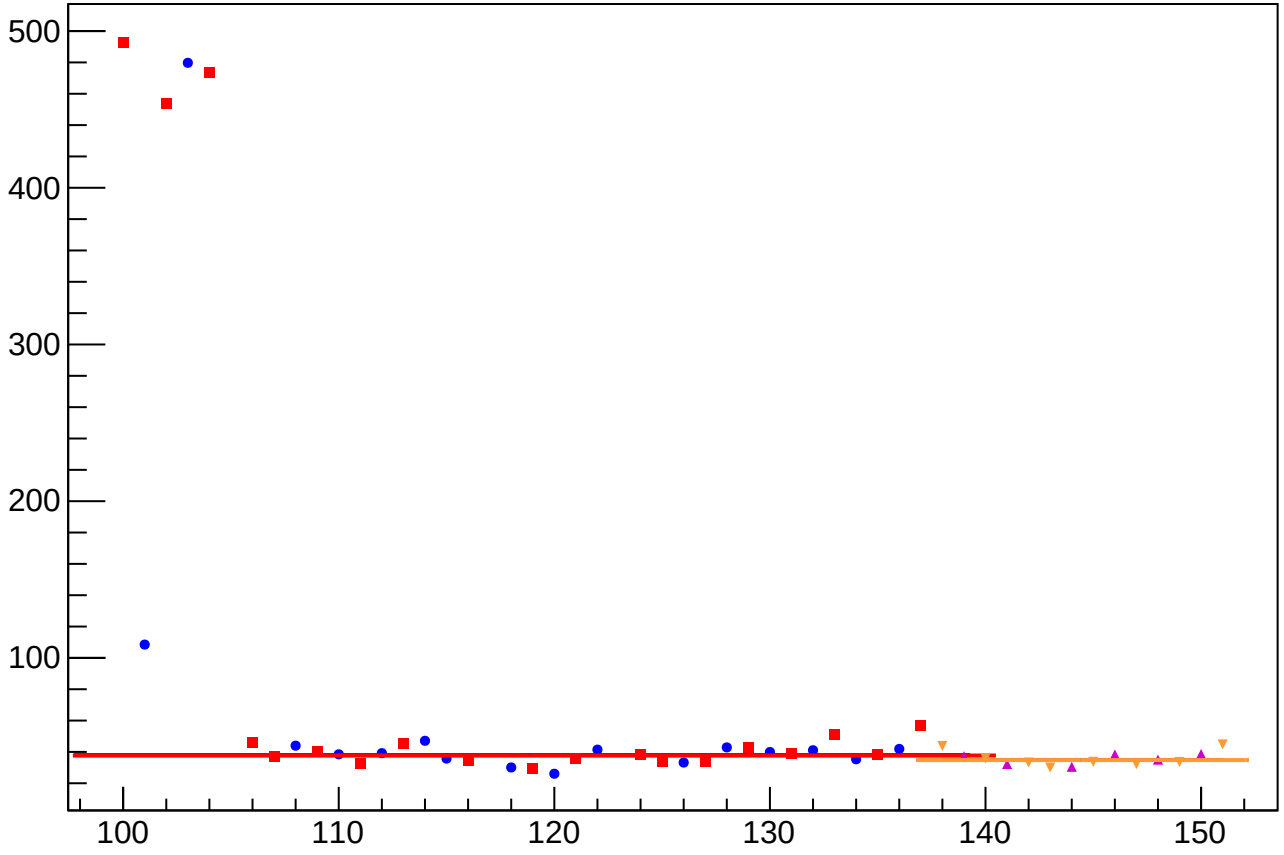
Left In: 0.021+/-0.016 χ^2/NDF:5.9/5

+ sign 0.013+/-0.011 χ^2/NDF: 36.4/23

All: 0.011+/-0.008 χ^2/NDF: 58.7/48

- sign 0.008+/-0.011 χ^2/NDF: 22.2/24

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 34.795+/-0.011 χ^2/NDF:189302.3/7

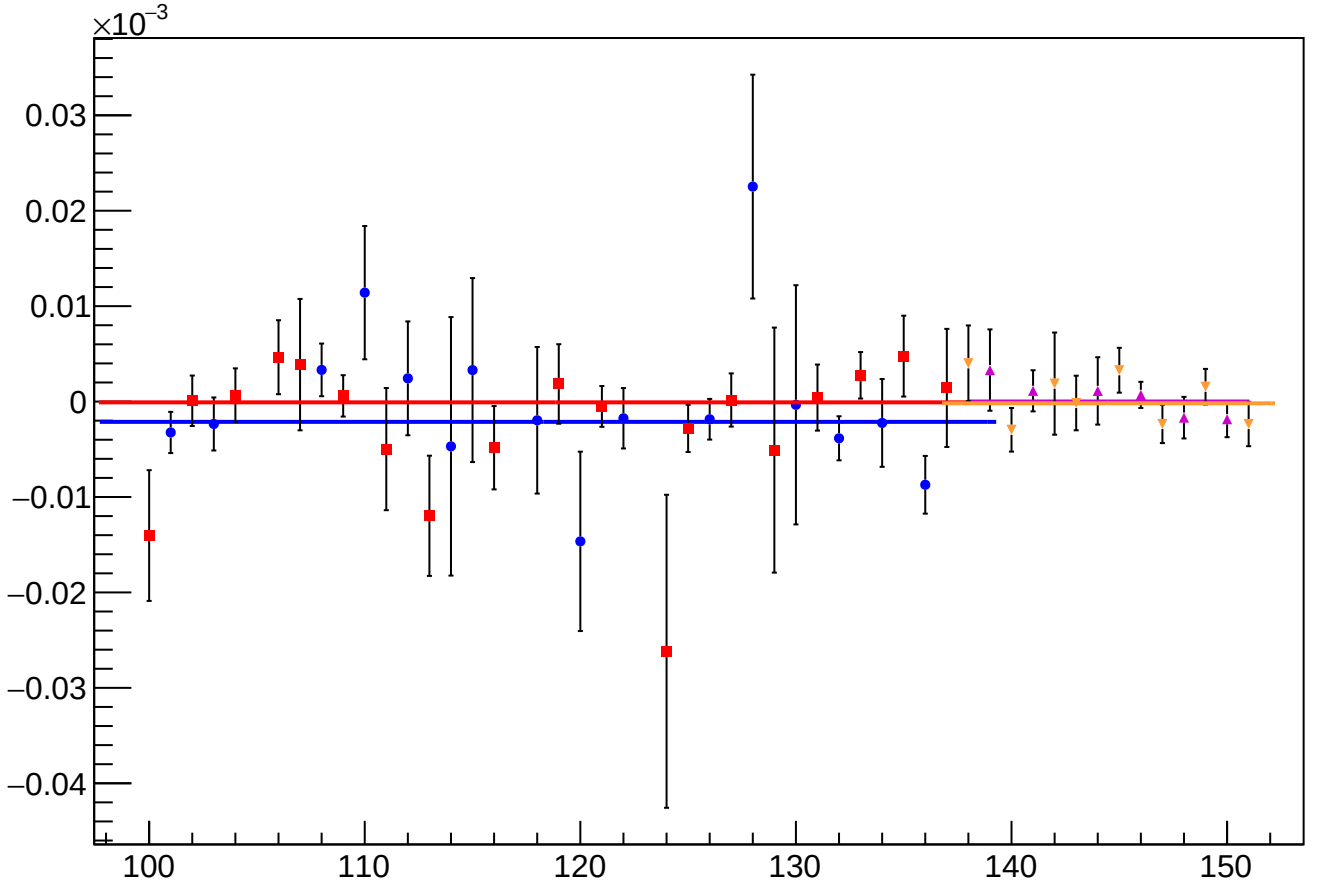
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 34.858+/-0.011 χ^2/NDF:77069.1/5

\+ sign 36.282+/-0.008 χ^2/NDF: 1970146.2/23

All: 36.288+/-0.006 χ^2/NDF: 4022979.0/48

\- sign 36.295+/-0.008 χ^2/NDF: 2052831.6/24



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.8/7

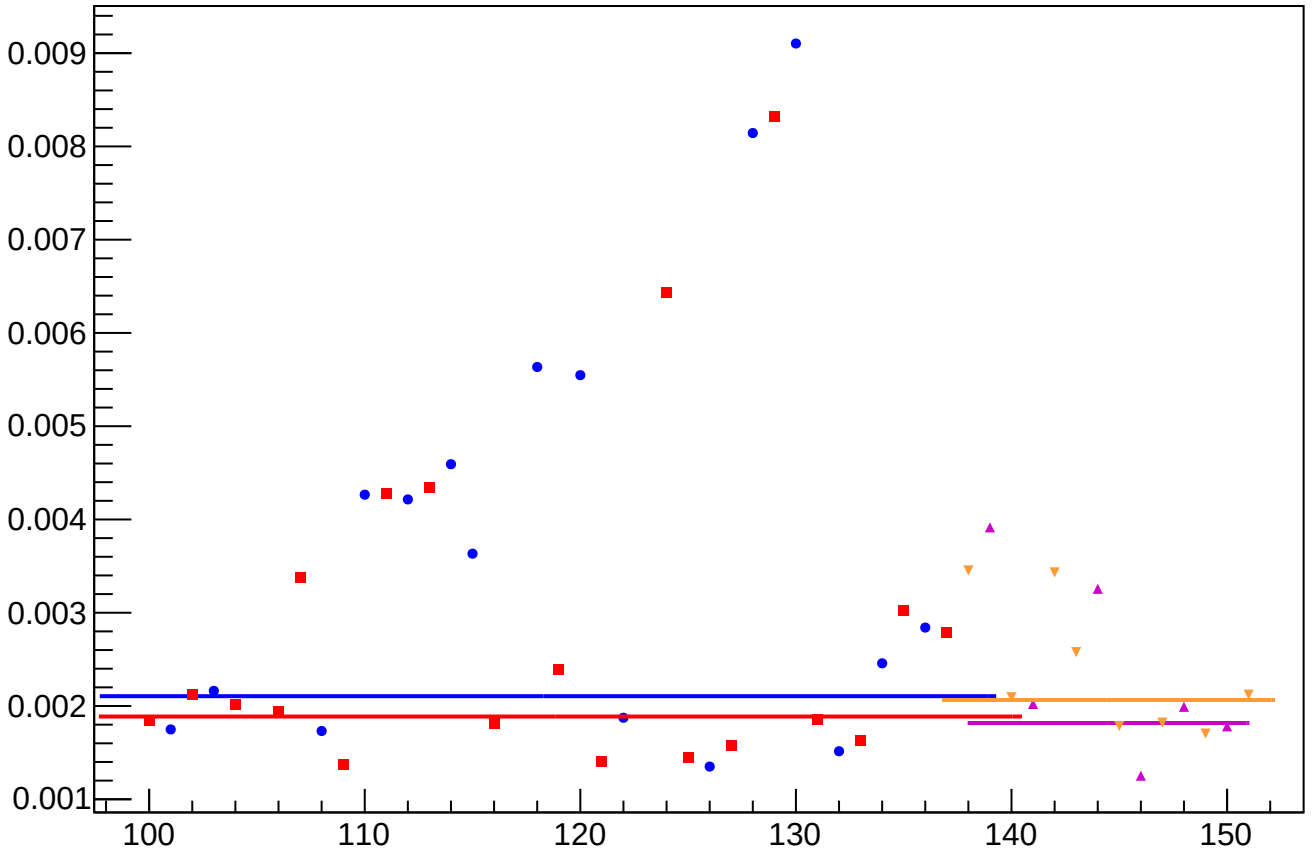
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:2.8/5

+ sign -0.000+/-0.000 χ^2/NDF: 30.6/23

All: -0.000+/-0.000 χ^2/NDF: 53.5/48

- sign -0.000+/-0.000 χ^2/NDF: 21.2/24



Right In: 0.002+/-0.000 χ^2/NDF: 3017568.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:573934.8/7

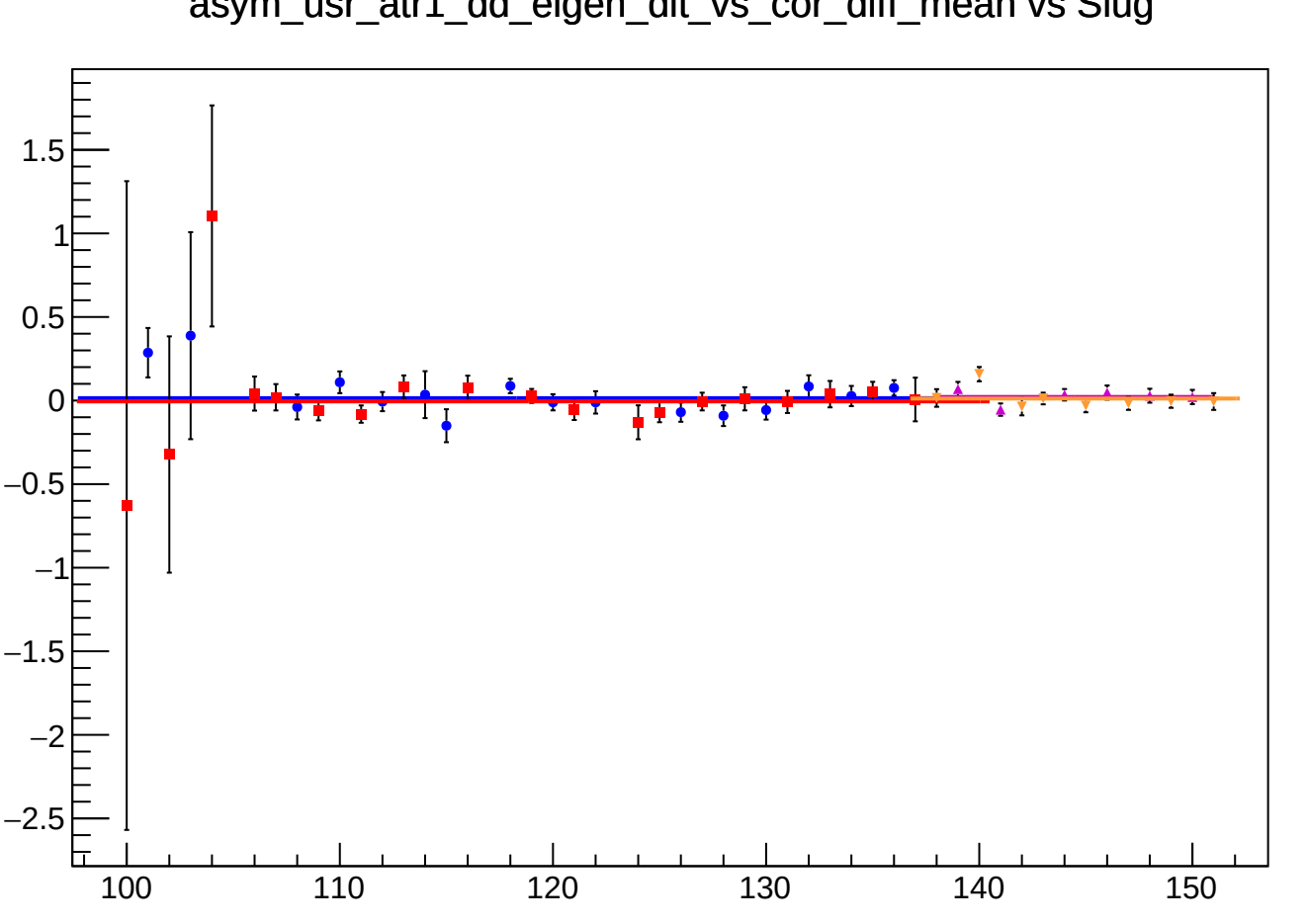
Right Out: 0.002+/-0.000 χ^2/NDF: 1892000.0/18

Left In: 0.002+/-0.000 χ^2/NDF:1189156.6/5

+ sign 0.002+/-0.000 χ^2/NDF: 3593605.8/23

All: 0.002+/-0.000 χ^2/NDF: 6826931.0/48

- sign 0.002+/-0.000 χ^2/NDF: 3088353.1/24



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.012+/-0.015 χ^2/NDF:14.3/7

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

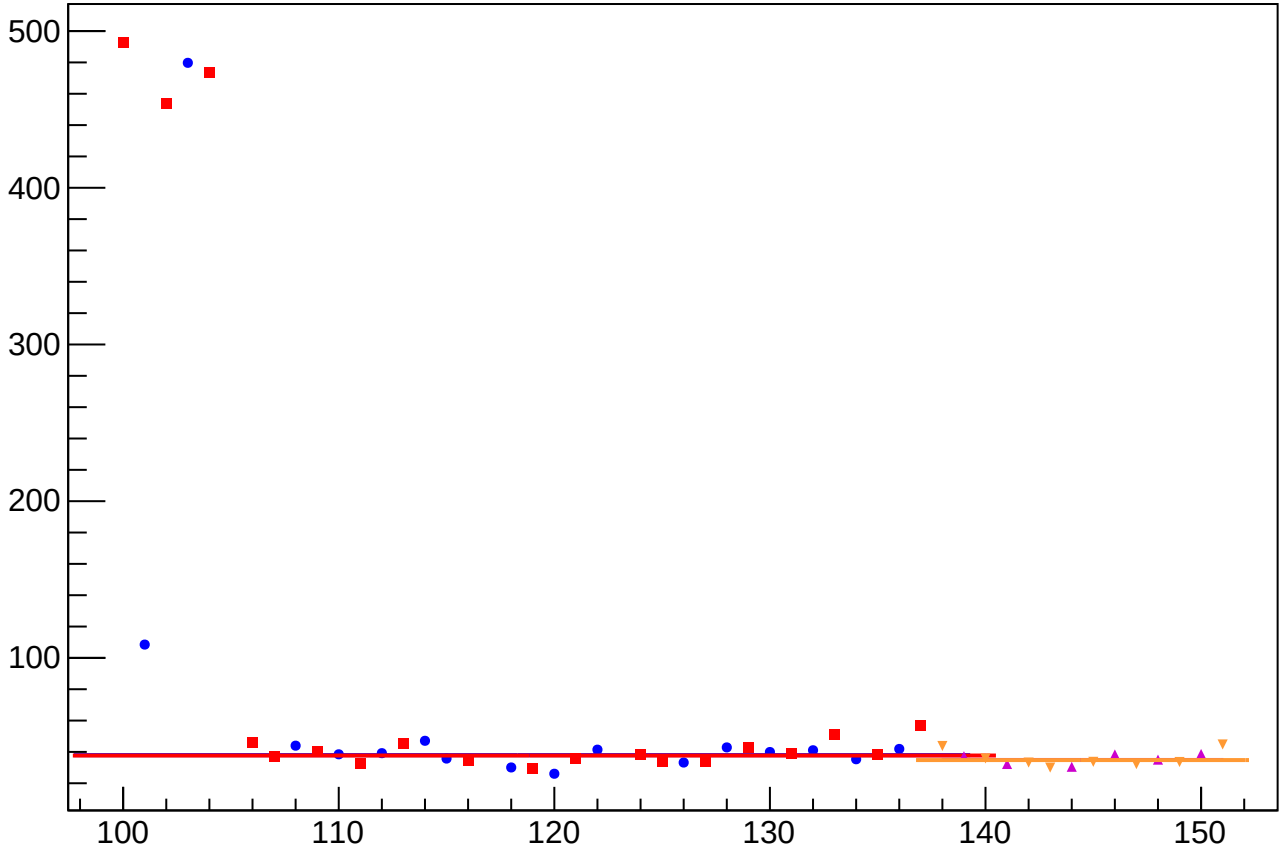
Left In: 0.021+/-0.016 χ^2/NDF:5.9/5

+ sign 0.013+/-0.011 χ^2/NDF: 36.4/23

All: 0.011+/-0.008 χ^2/NDF: 58.7/48

- sign 0.008+/-0.011 χ^2/NDF: 22.2/24

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: 34.795+/-0.011 χ^2/NDF:189336.2/7

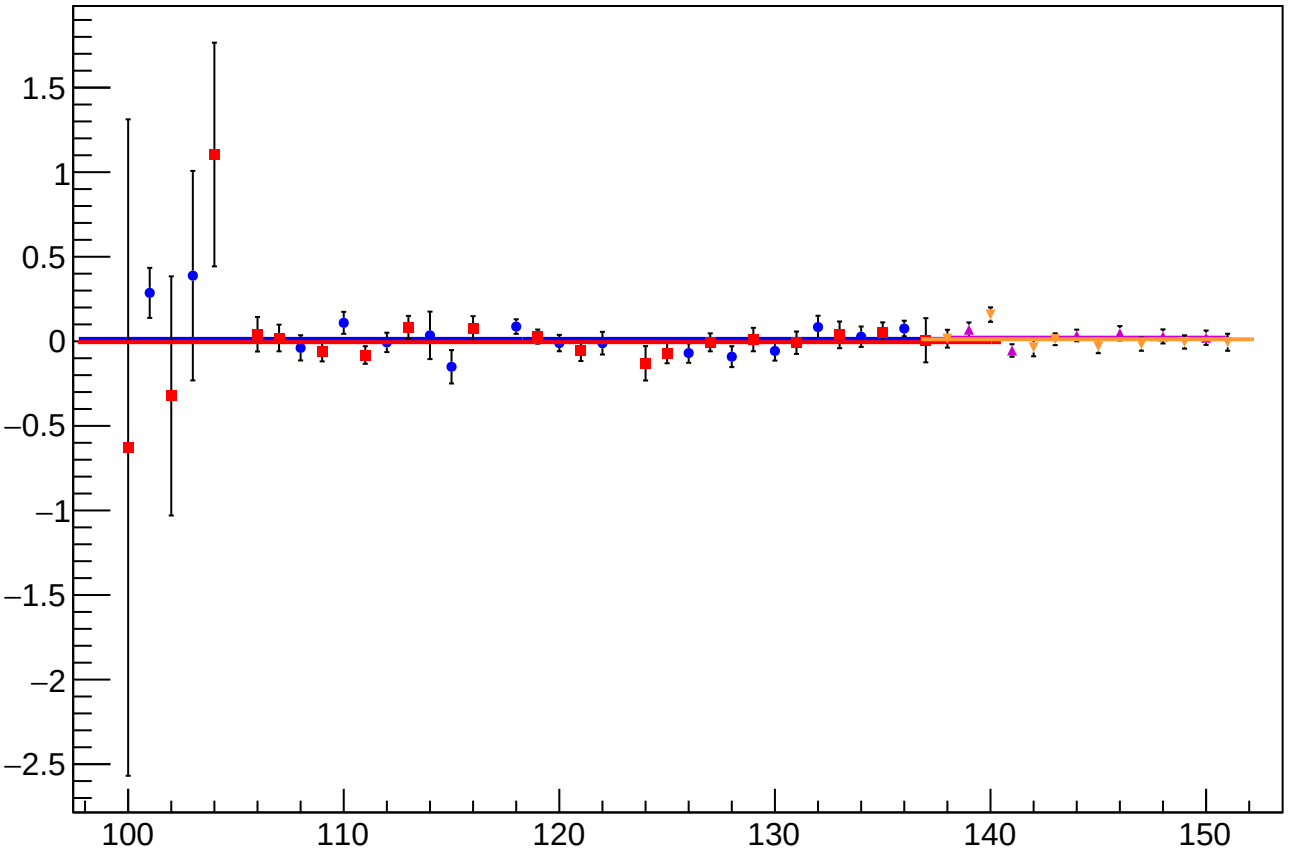
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 34.857+/-0.011 χ^2/NDF:77073.2/5

\+ sign 36.282+/-0.008 χ^2/NDF: 1970189.2/23

All: 36.287+/-0.006 χ^2/NDF: 4023088.5/48

\- sign 36.294+/-0.008 χ^2/NDF: 2052898.1/24



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.012+/-0.015 χ^2/NDF:14.3/7

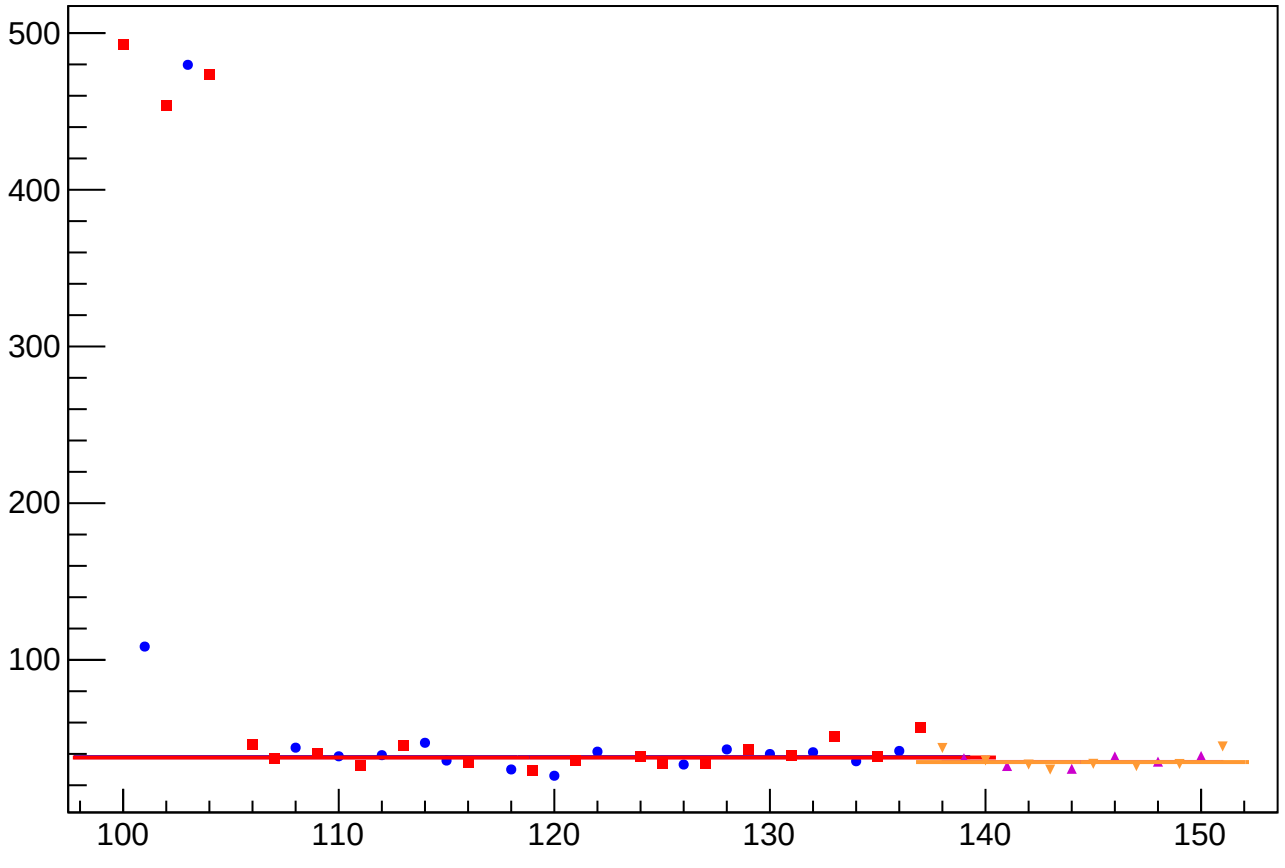
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.021+/-0.016 χ^2/NDF:5.9/5

+ sign 0.013+/-0.011 χ^2/NDF: 36.4/23

All: 0.011+/-0.008 χ^2/NDF: 58.7/48

- sign 0.008+/-0.011 χ^2/NDF: 22.2/24



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 34.795+/-0.011 χ^2/NDF:189336.2/7

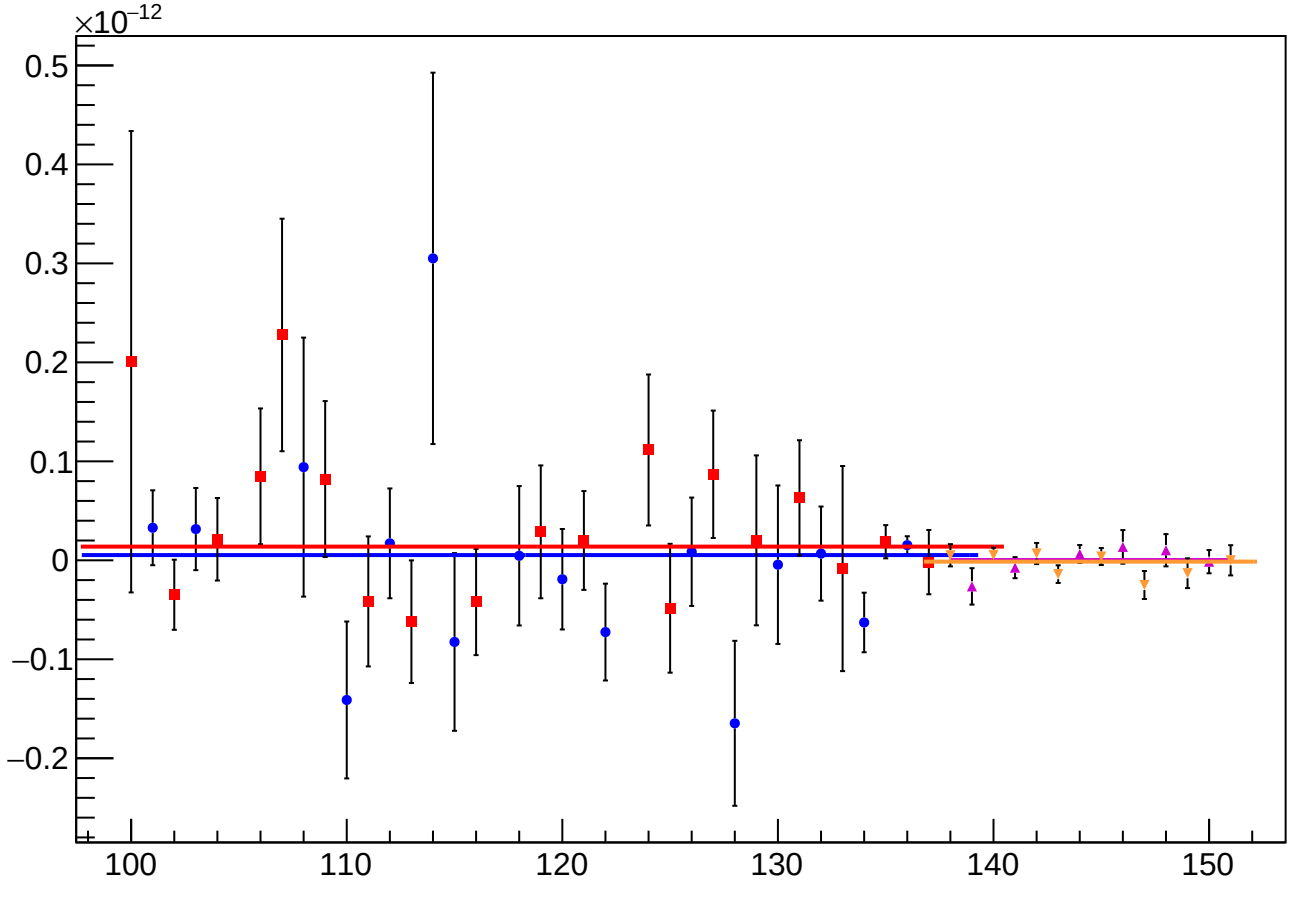
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 34.857+/-0.011 χ^2/NDF:77073.2/5

\+ sign 36.282+/-0.008 χ^2/NDF: 1970189.2/23

All: 36.287+/-0.006 χ^2/NDF: 4023088.5/48

\- sign 36.294+/-0.008 χ^2/NDF: 2052898.1/24



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.6/7

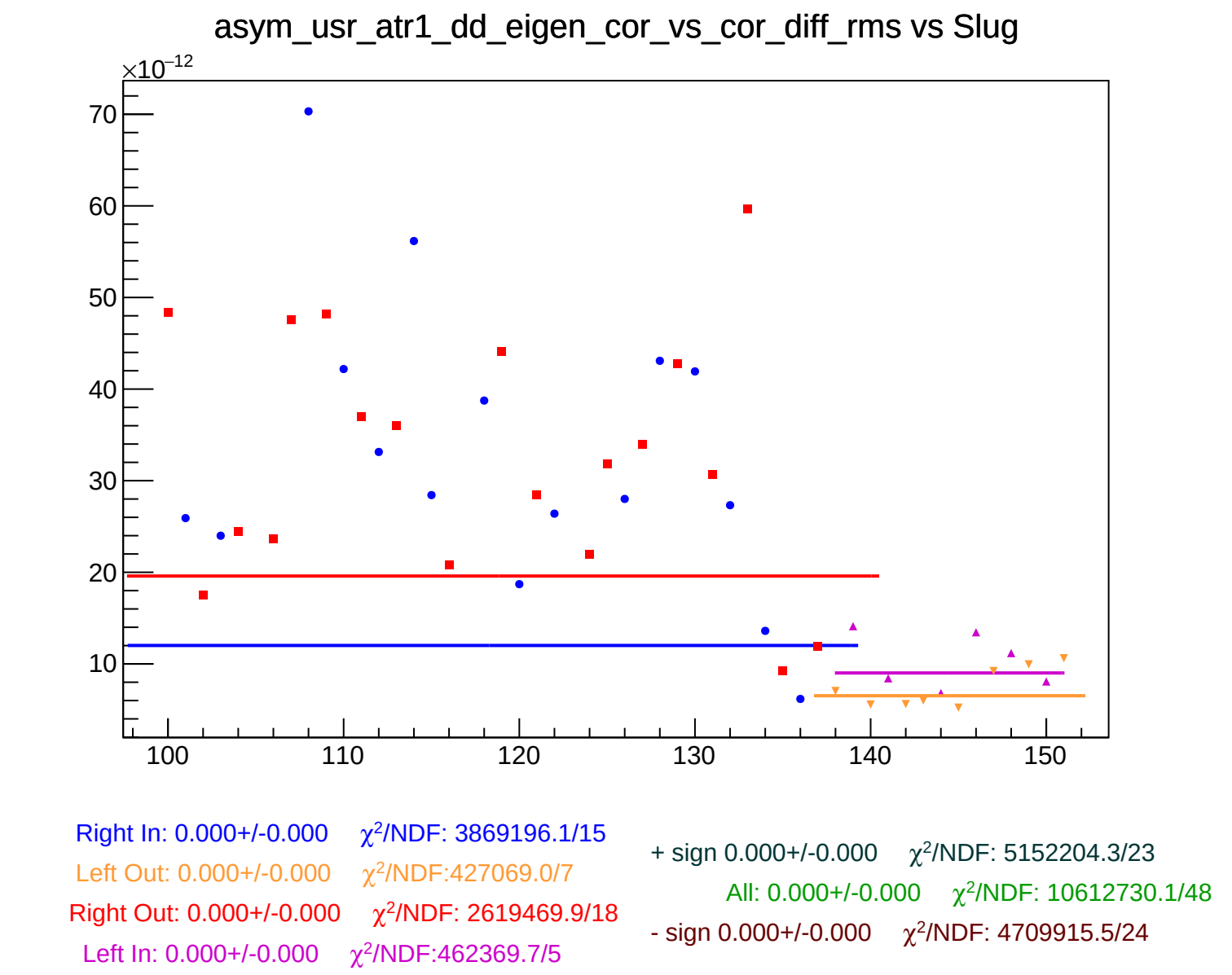
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:4.1/5

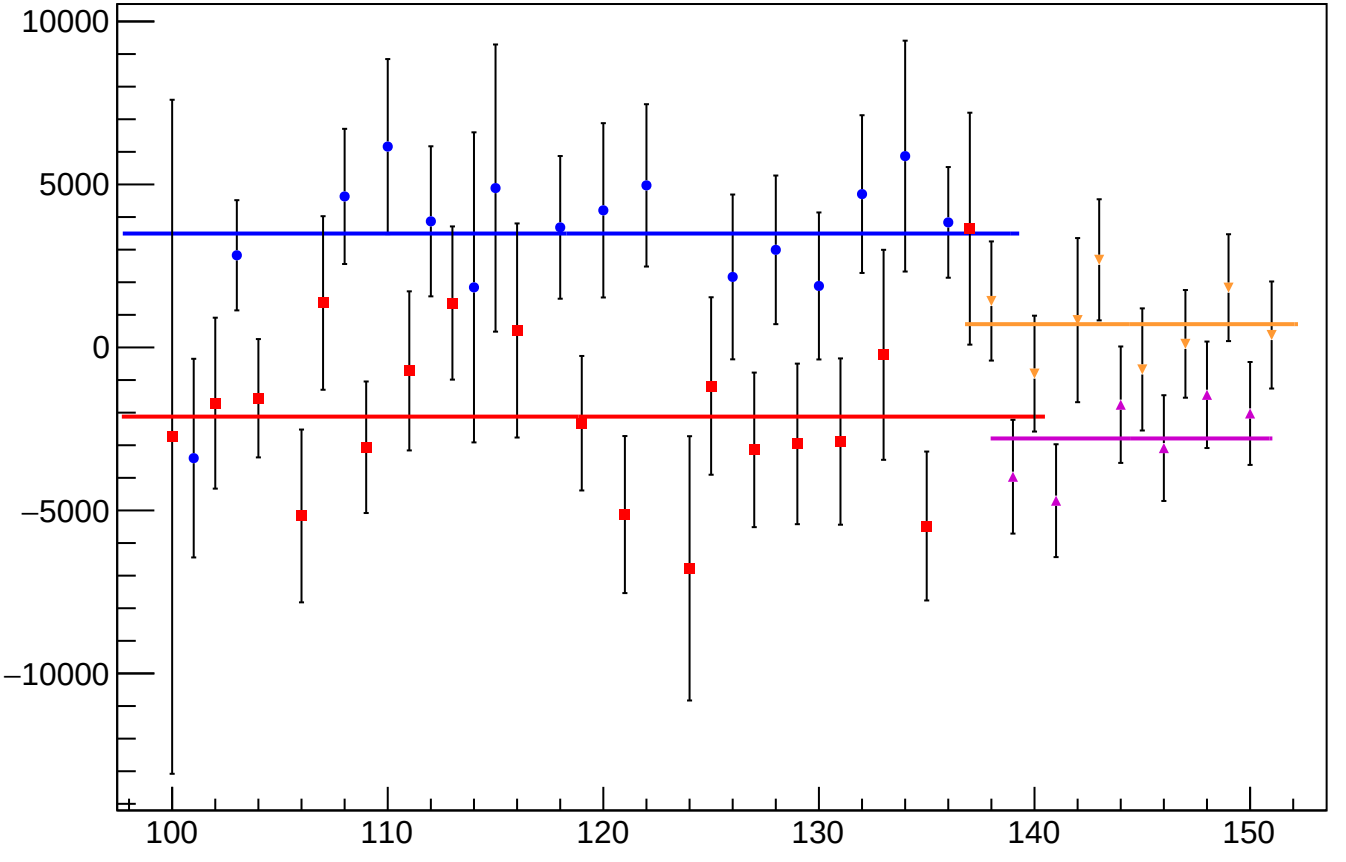
+ sign -0.000+/-0.000 χ^2/NDF: 29.9/23

All: 0.000+/-0.000 χ^2/NDF: 51.5/48

- sign 0.000+/-0.000 χ^2/NDF: 21.4/24


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
Right In: 0.000+/-0.000 χ²/NDF: 3869196.1/15
Left Out: 0.000+/-0.000 χ²/NDF:427069.0/7
Right Out: 0.000+/-0.000 χ²/NDF: 2619469.9/18
Left In: 0.000+/-0.000 χ²/NDF:462369.7/5
+ sign 0.000+/-0.000 χ²/NDF: 5152204.3/23
All: 0.000+/-0.000 χ²/NDF: 10612730.1/48
- sign 0.000+/-0.000 χ²/NDF: 4709915.5/24

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 714.263+/-637.798 χ^2/NDF:3.2/7

Right Out: -2121.717+/-587.617 χ^2/NDF: 15.1/18

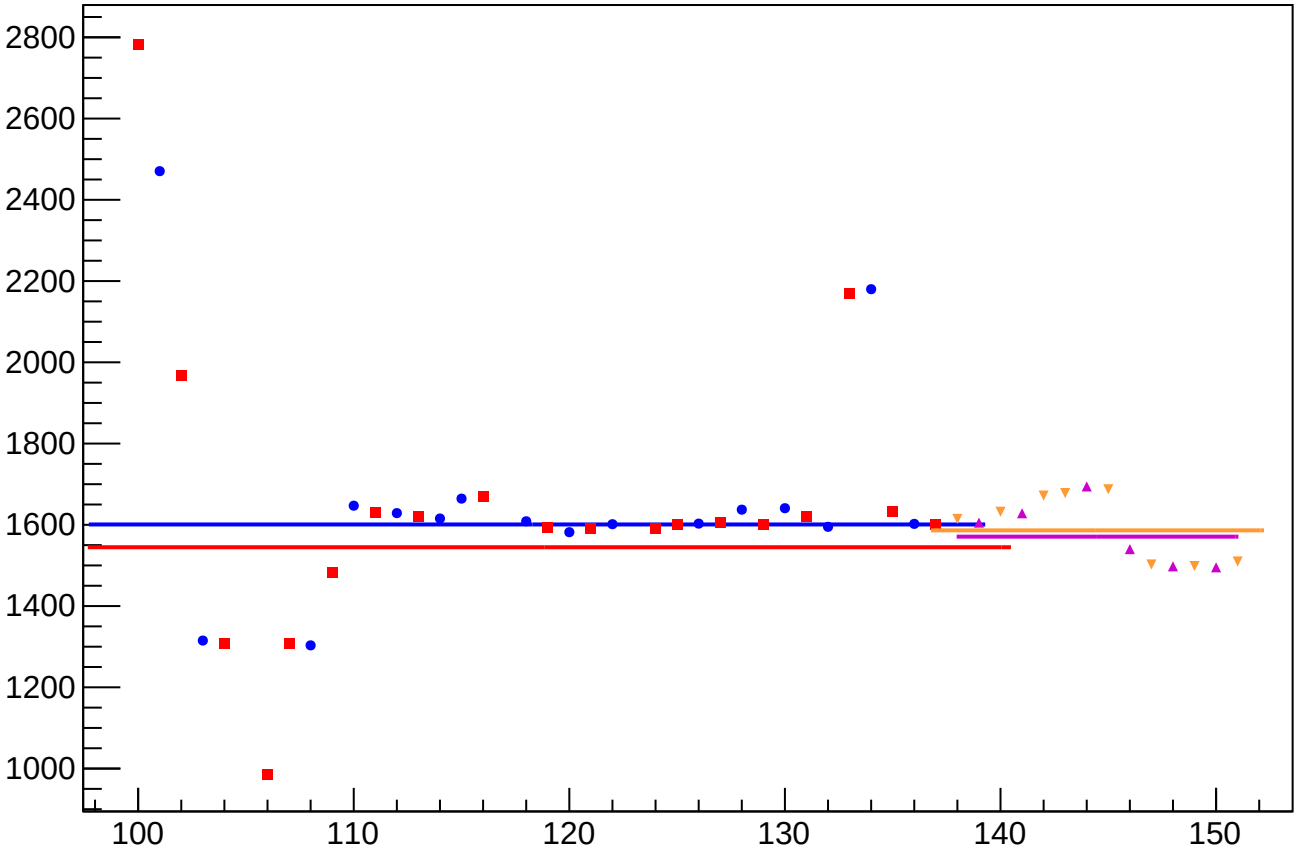
Left In: -2791.882+/-684.836 χ^2/NDF:2.9/5

+ sign 2186.404+/-437.473 χ^2/NDF: 22.1/23

All: -65.662+/-312.295 χ^2/NDF: 94.7/48

- sign -2405.894+/-445.954 χ^2/NDF: 18.6/24

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1586.331+/-0.451 χ^2/NDF:30104.2/7

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

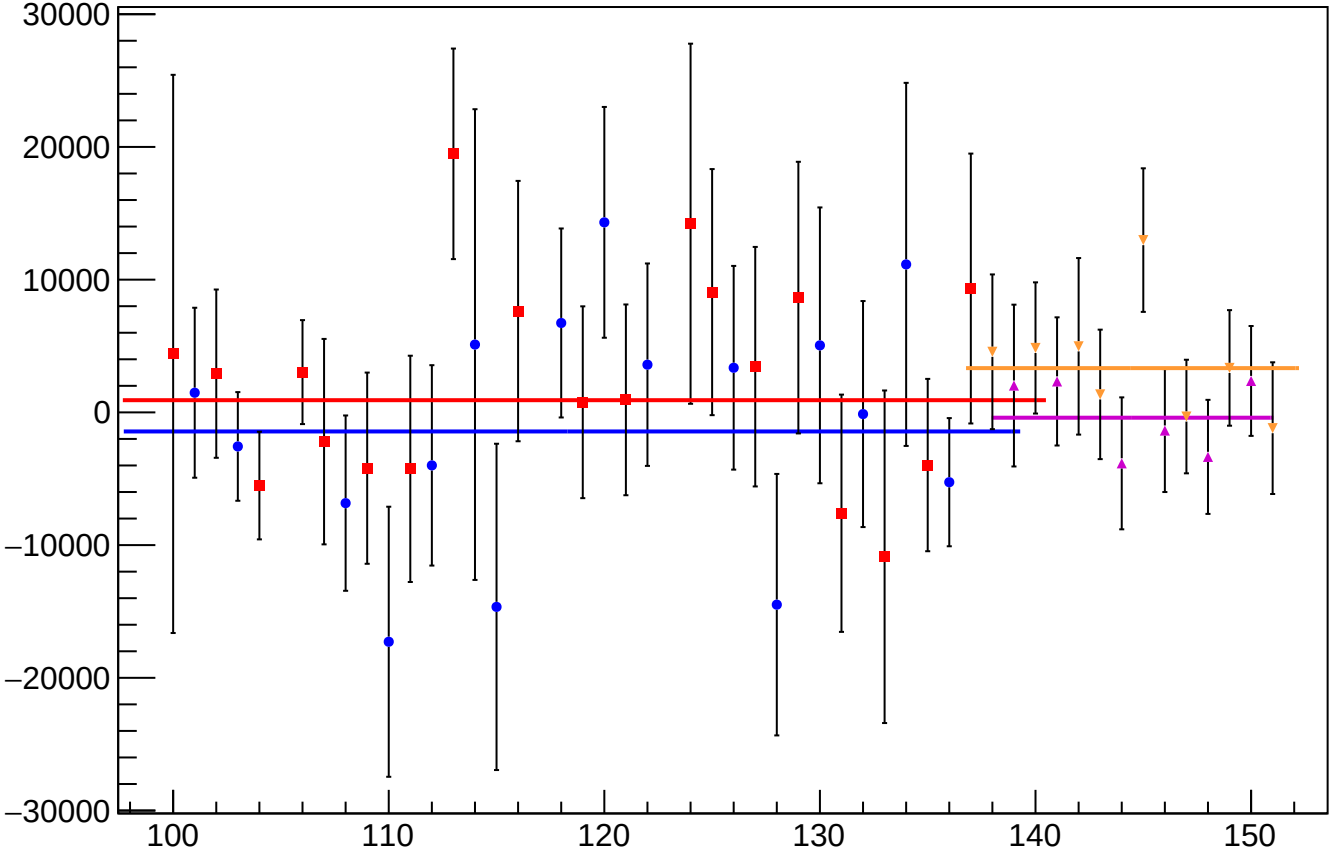
Left In: 1570.864+/-0.484 χ^2/NDF:21879.3/5

+ sign 1594.035+/-0.309 χ^2/NDF: 348069.3/23

All: 1575.021+/-0.220 χ^2/NDF: 755395.3/48

- sign 1555.644+/-0.312 χ^2/NDF: 399697.8/24

asym_usr_atr2_avg_reg_correction_mean vs Slug



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 3334.366+/-1775.658 χ^2/NDF:5.1/7

Right Out: 918.485+/-1669.278 χ^2/NDF: 15.3/18

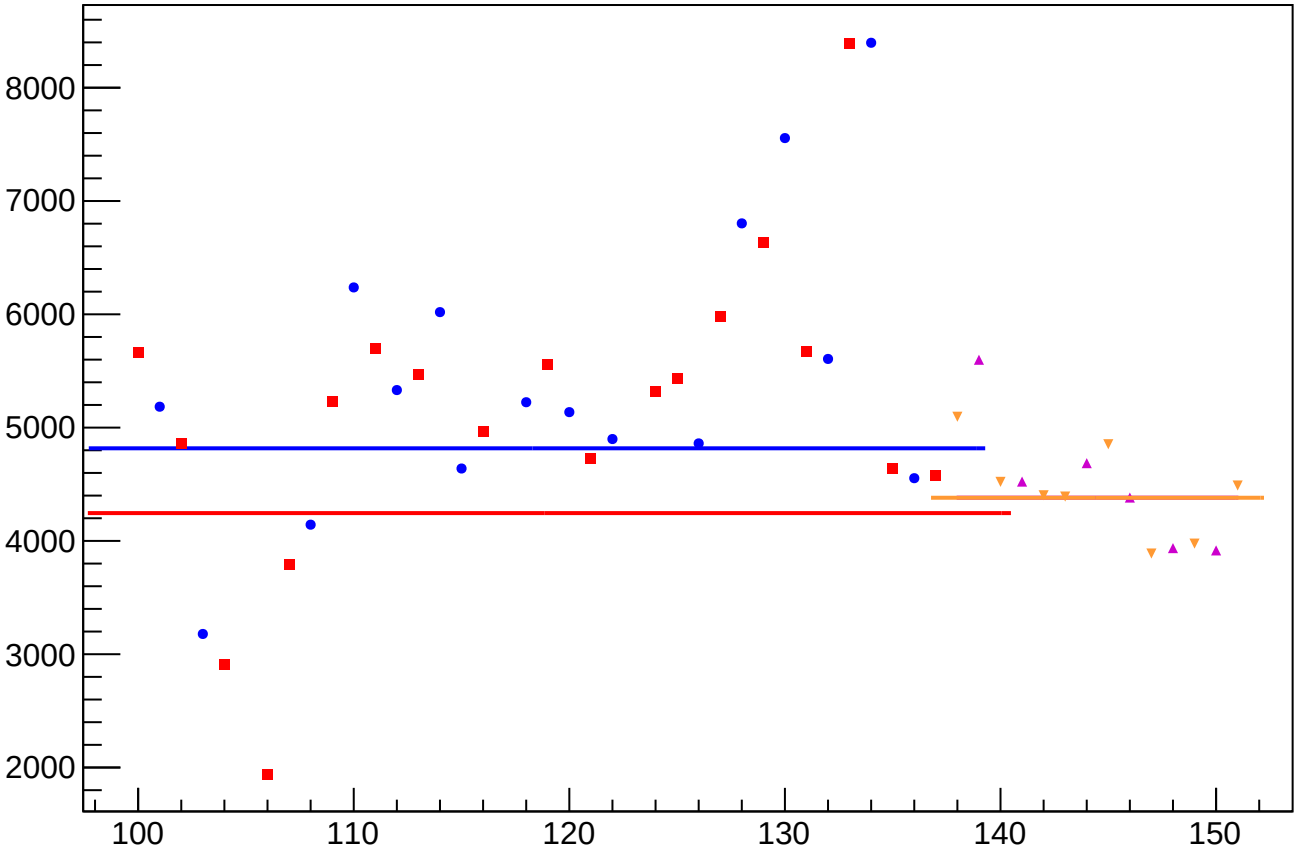
Left In: -401.350+/-1926.633 χ^2/NDF:1.9/5

\+ sign 1044.213+/-1280.486 χ^2/NDF: 22.4/23

All: 693.243+/-898.692 χ^2/NDF: 40.1/48

\- sign 352.545+/-1261.608 χ^2/NDF: 17.5/24

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 4817.344+/-1.307 χ^2/NDF: 795431.1/15

Left Out: 4380.997+/-1.256 χ^2/NDF:91688.6/7

Right Out: 4245.533+/-1.180 χ^2/NDF: 1683159.2/18

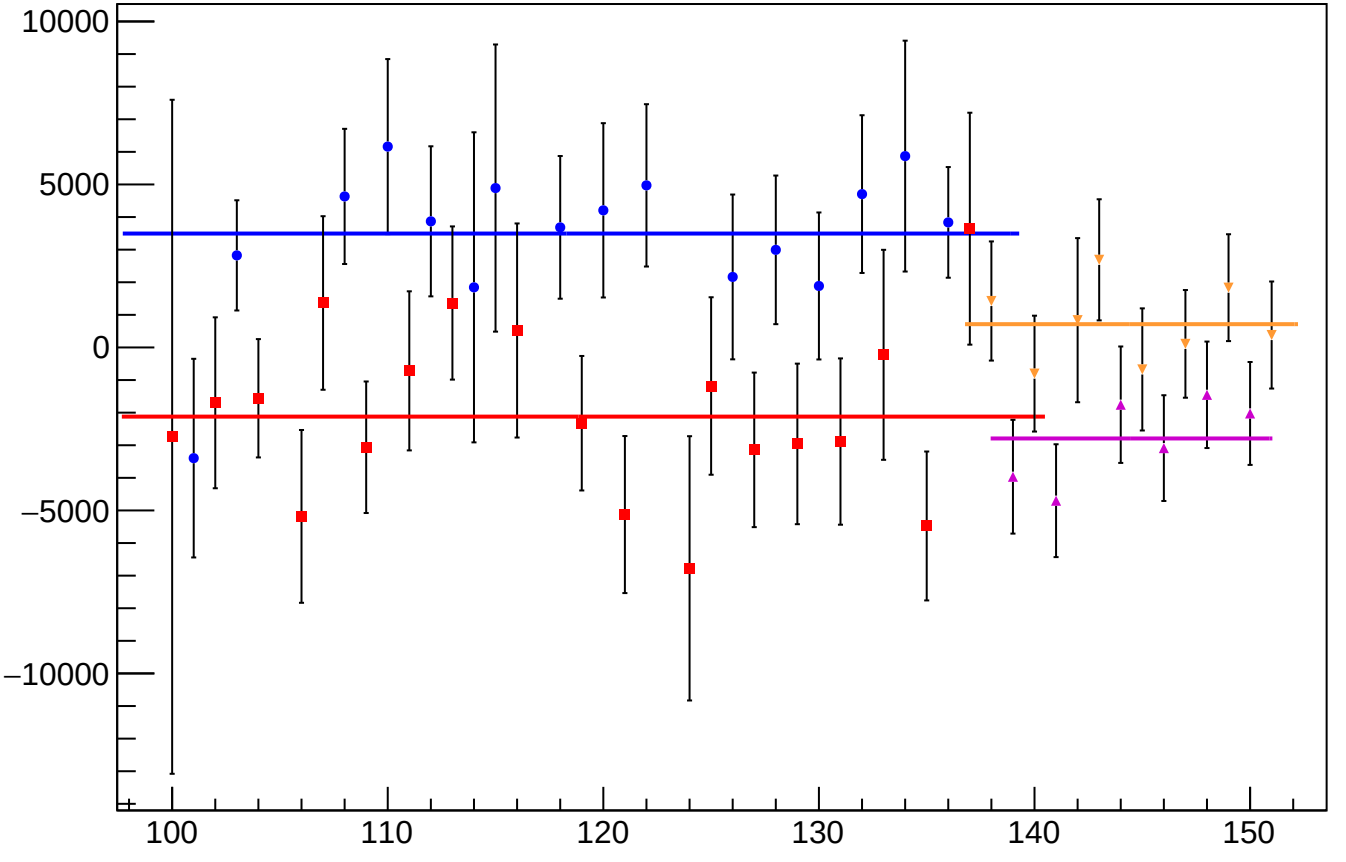
Left In: 4381.502+/-1.362 χ^2/NDF:135772.2/5

+ sign 4590.429+/-0.905 χ^2/NDF: 945087.4/23

All: 4445.004+/-0.635 χ^2/NDF: 2820546.0/48

- sign 4303.836+/-0.892 χ^2/NDF: 1824621.3/24

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 714.156+/-637.798 χ^2/NDF:3.2/7

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

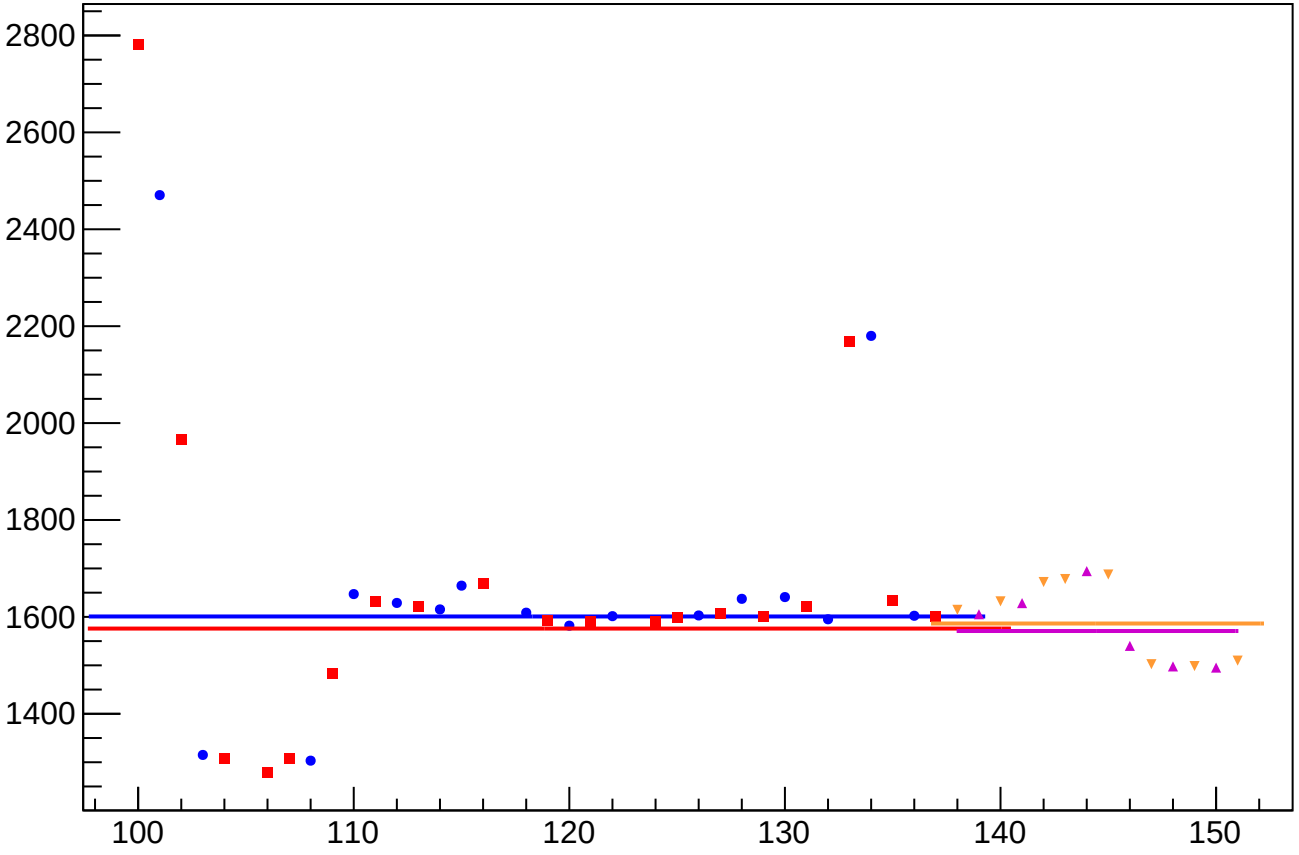
Left In: -2792.066+/-684.836 χ^2/NDF:2.9/5

+ sign 2186.177+/-437.473 χ^2/NDF: 22.1/23

All: -65.808+/-312.296 χ^2/NDF: 94.7/48

- sign -2405.968+/-445.955 χ^2/NDF: 18.6/24

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1586.331+/-0.451 χ^2/NDF:30104.2/7

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

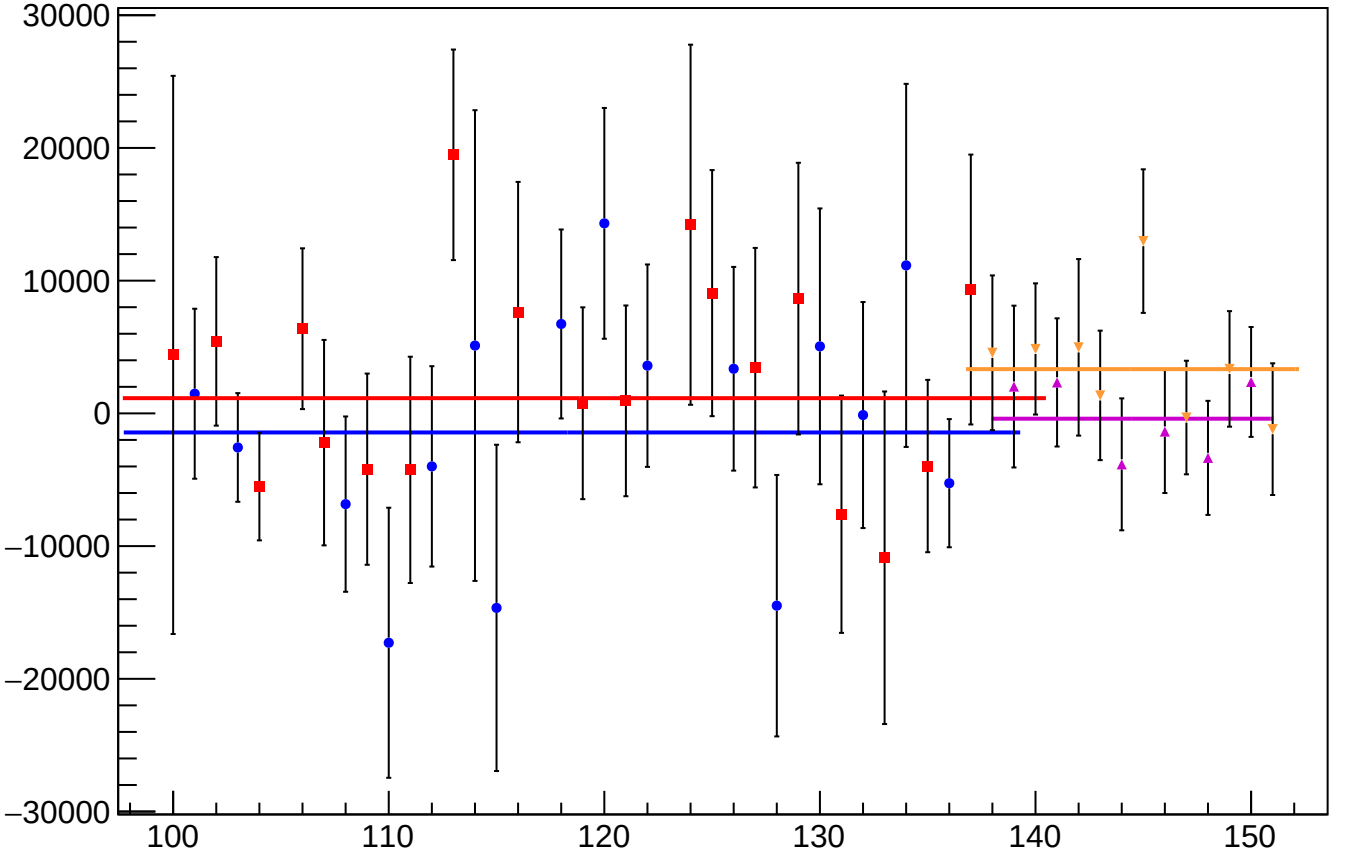
Left In: 1570.864+/-0.484 χ^2/NDF:21879.3/5

+ sign 1594.035+/-0.309 χ^2/NDF: 348068.4/23

All: 1584.076+/-0.221 χ^2/NDF: 615450.6/48

- sign 1573.775+/-0.315 χ^2/NDF: 265273.7/24

asym_usr_atr2_avg_cor_correction_mean vs Slug



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 3334.348+/-1775.653 χ^2/NDF:5.1/7

Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

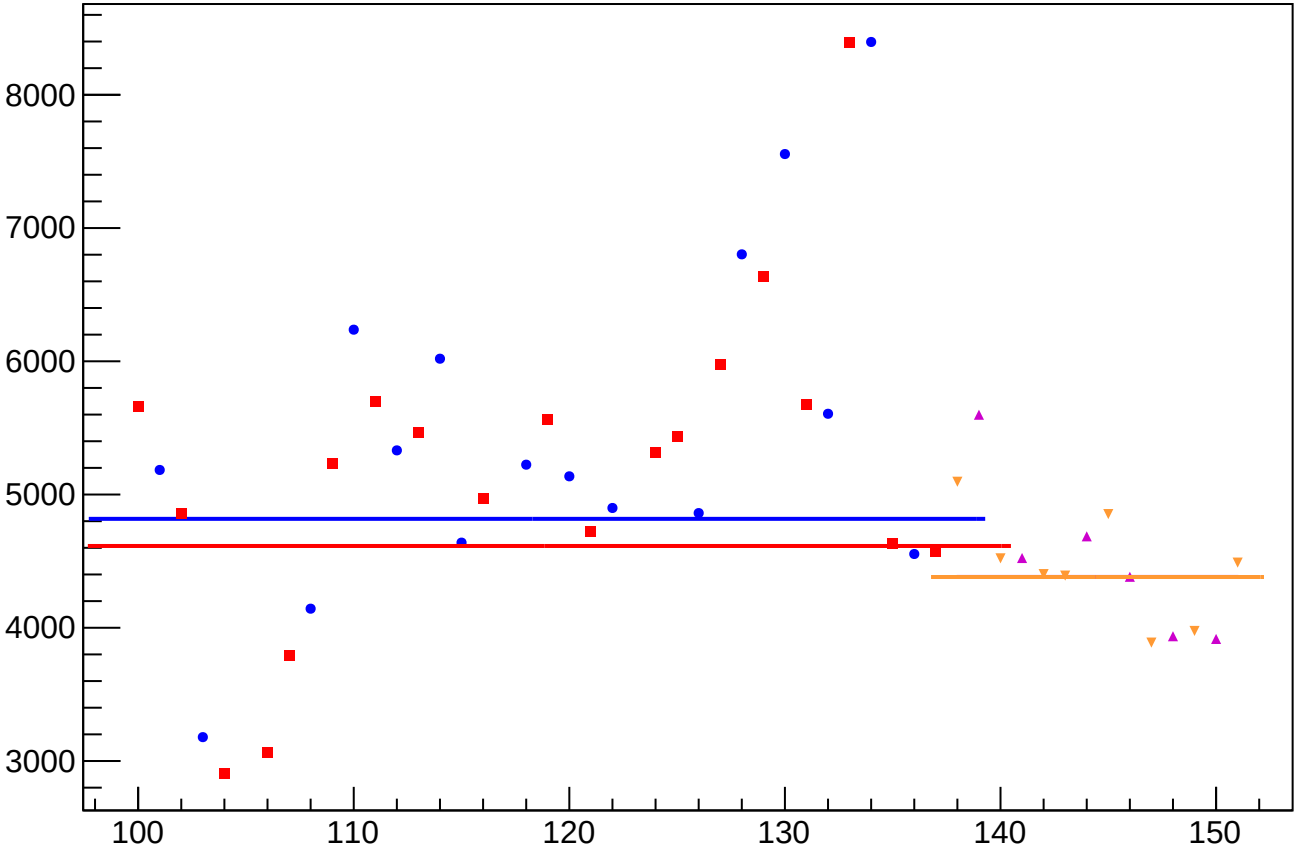
Left In: -401.526+/-1926.632 χ^2/NDF:1.9/5

+ sign 1044.142+/-1280.497 χ^2/NDF: 22.4/23

All: 746.904+/-912.816 χ^2/NDF: 41.1/48

- sign 439.791+/-1301.594 χ^2/NDF: 18.5/24

asym_usr_atr2_avg_cor_correction_rms vs Slug



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4380.984+/-1.256 χ^2/NDF:91689.9/7

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

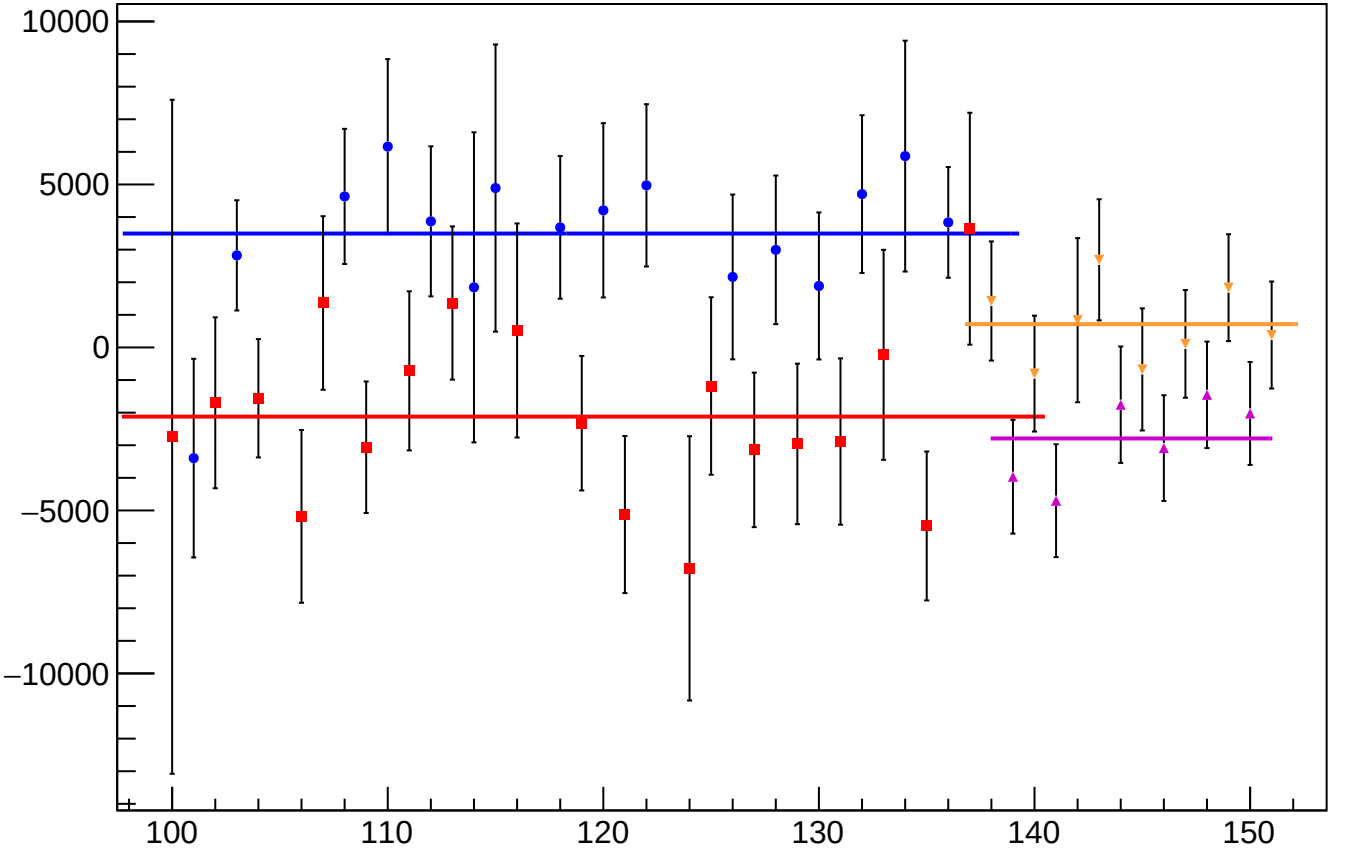
Left In: 4381.501+/-1.362 χ^2/NDF:135772.3/5

+ sign 4590.482+/-0.905 χ^2/NDF: 944929.4/23

All: 4549.819+/-0.645 χ^2/NDF: 2078572.7/48

- sign 4507.804+/-0.920 χ^2/NDF: 1129542.5/24

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 714.156+/-637.798 χ^2/NDF:3.2/7

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

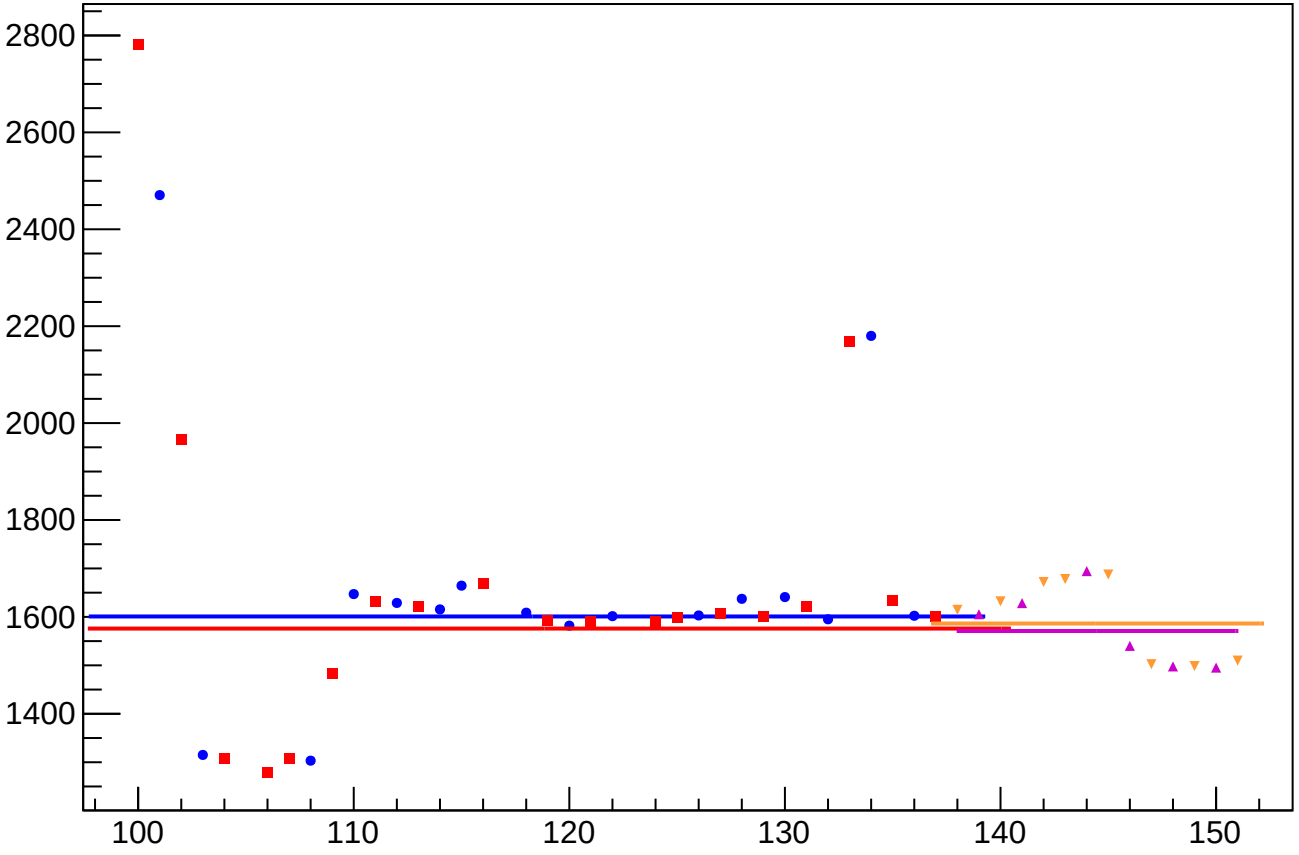
Left In: -2792.066+/-684.836 χ^2/NDF:2.9/5

+ sign 2186.177+/-437.473 χ^2/NDF: 22.1/23

All: -65.808+/-312.296 χ^2/NDF: 94.7/48

- sign -2405.968+/-445.955 χ^2/NDF: 18.6/24

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1586.331+/-0.451 χ^2/NDF:30104.2/7

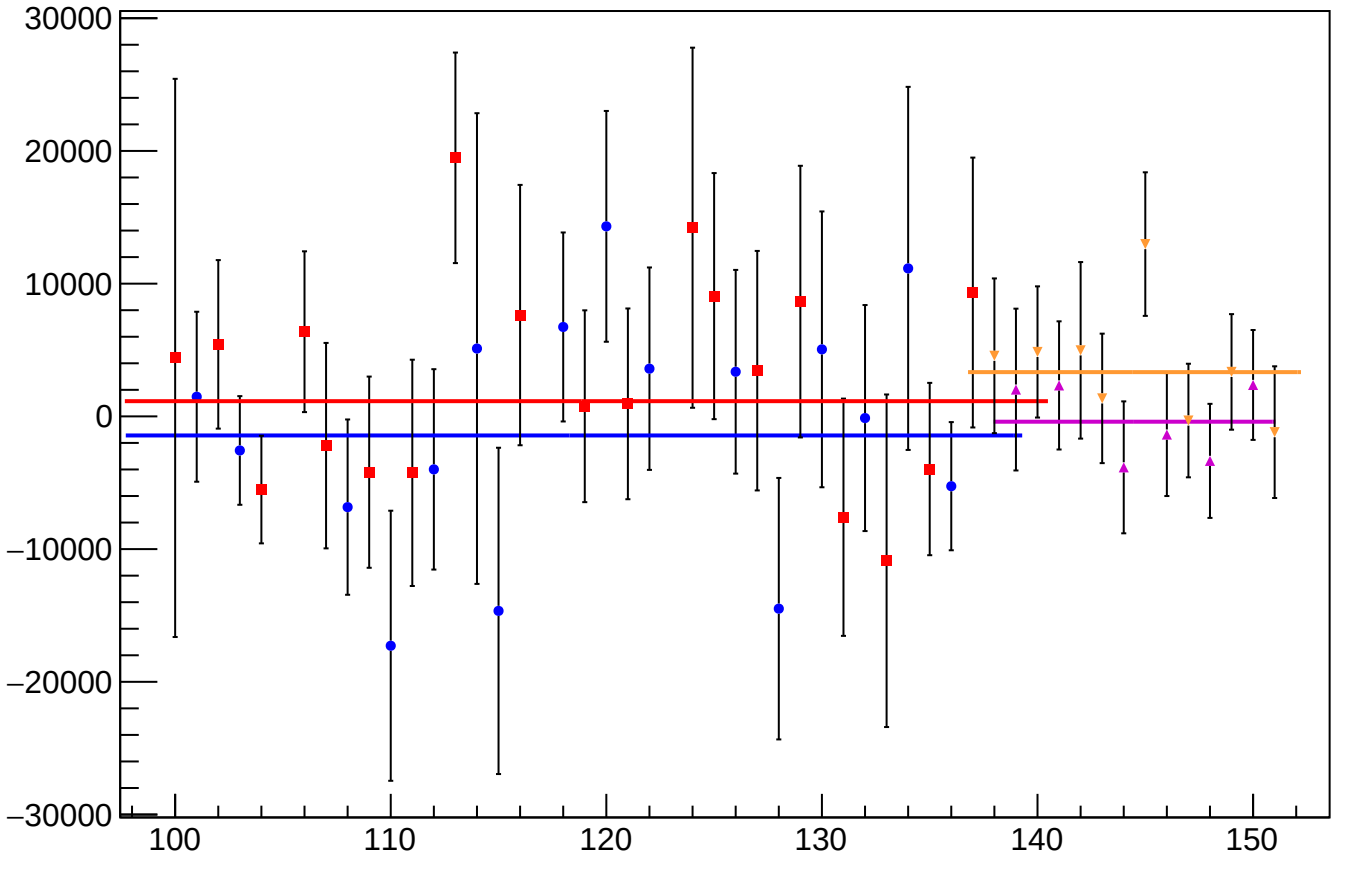
Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1570.864+/-0.484 χ^2/NDF:21879.3/5

+ sign 1594.035+/-0.309 χ^2/NDF: 348068.4/23

All: 1584.076+/-0.221 χ^2/NDF: 615450.6/48

- sign 1573.775+/-0.315 χ^2/NDF: 265273.7/24



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 3334.348+/-1775.653 χ^2/NDF:5.1/7

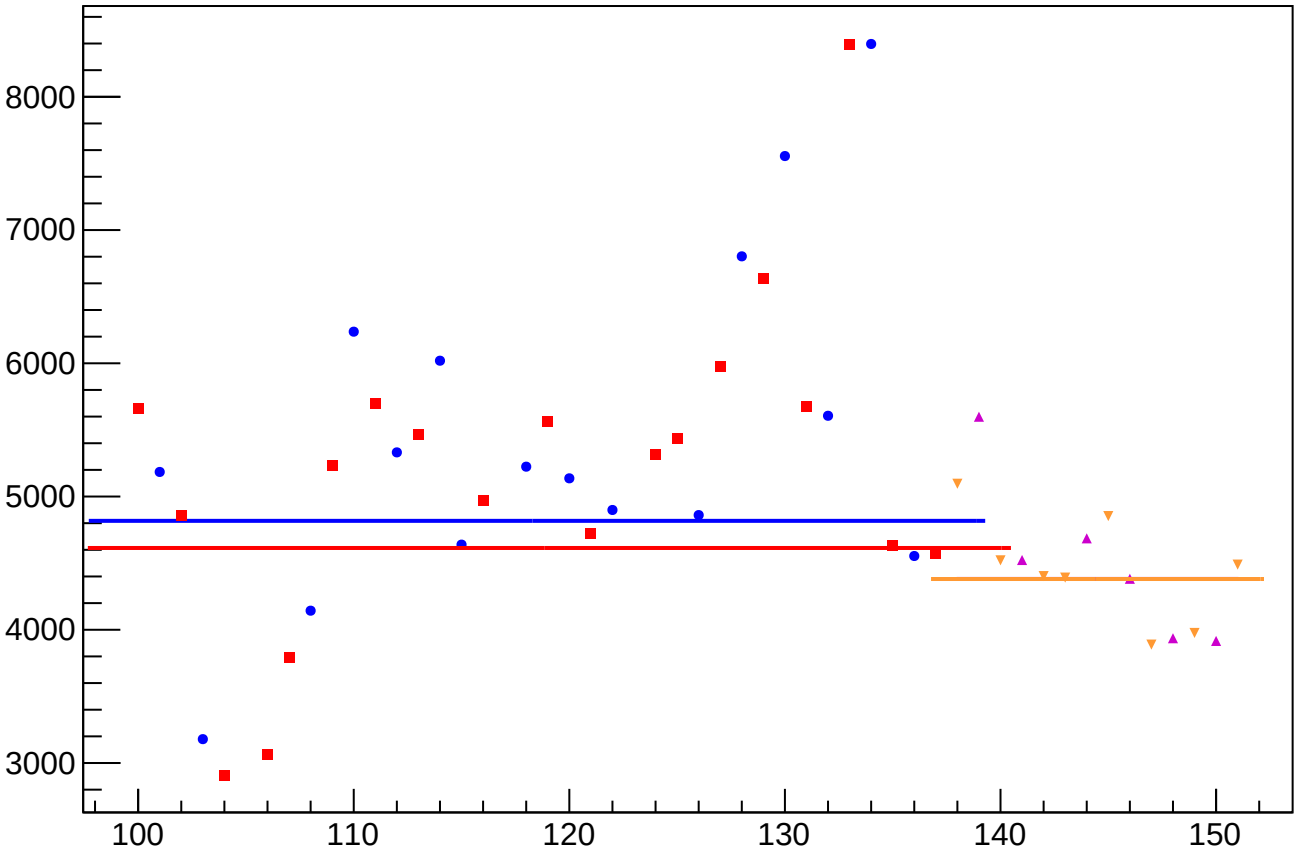
Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: -401.526+/-1926.632 χ^2/NDF:1.9/5

+ sign 1044.142+/-1280.497 χ^2/NDF: 22.4/23

All: 746.904+/-912.816 χ^2/NDF: 41.1/48

- sign 439.791+/-1301.594 χ^2/NDF: 18.5/24



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4380.984+/-1.256 χ^2/NDF:91689.9/7

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

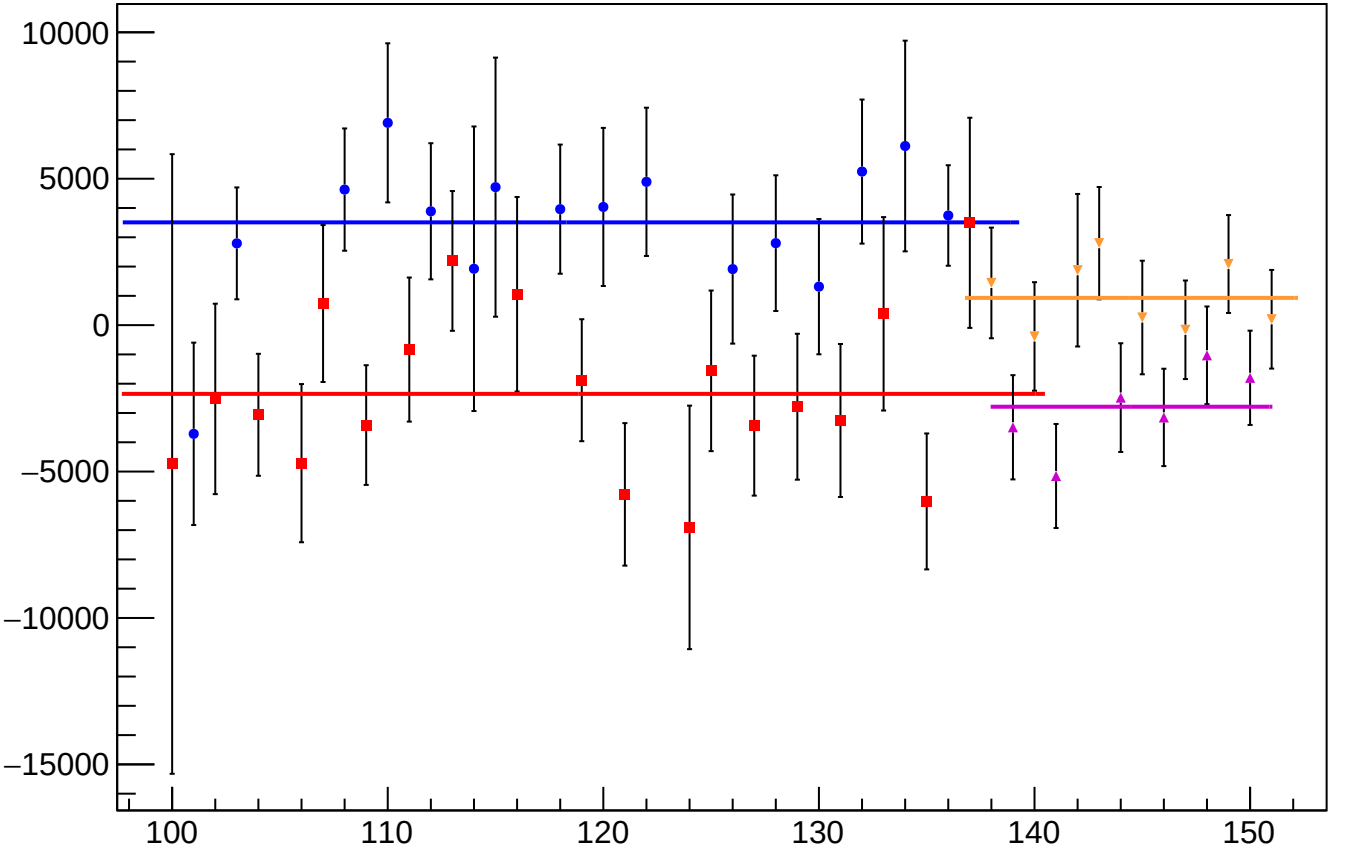
Left In: 4381.501+/-1.362 χ^2/NDF:135772.3/5

+ sign 4590.482+/-0.905 χ^2/NDF: 944929.4/23

All: 4549.819+/-0.645 χ^2/NDF: 2078572.7/48

- sign 4507.804+/-0.920 χ^2/NDF: 1129542.5/24

dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 930.770+/-656.553 χ^2/NDF:2.9/7

Right Out: -2346.859+/-607.502 χ^2/NDF: 17.1/18

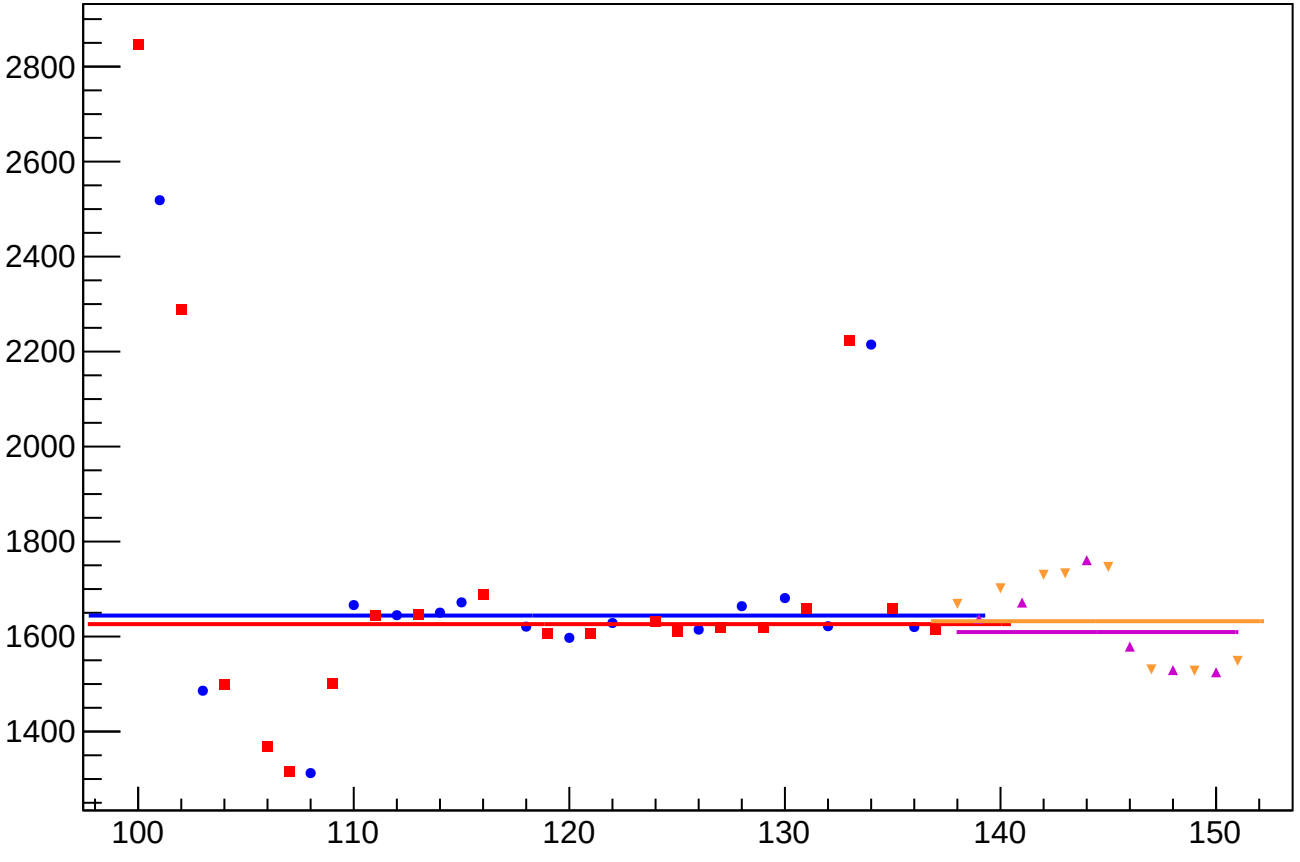
Left In: -2786.103+/-701.855 χ^2/NDF:3.5/5

+ sign 2300.724+/-449.511 χ^2/NDF: 21.4/23

All: -64.882+/-321.269 χ^2/NDF: 98.9/48

- sign -2534.992+/-459.333 χ^2/NDF: 20.8/24

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1632.290+/-0.464 χ^2/NDF:38762.1/7

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

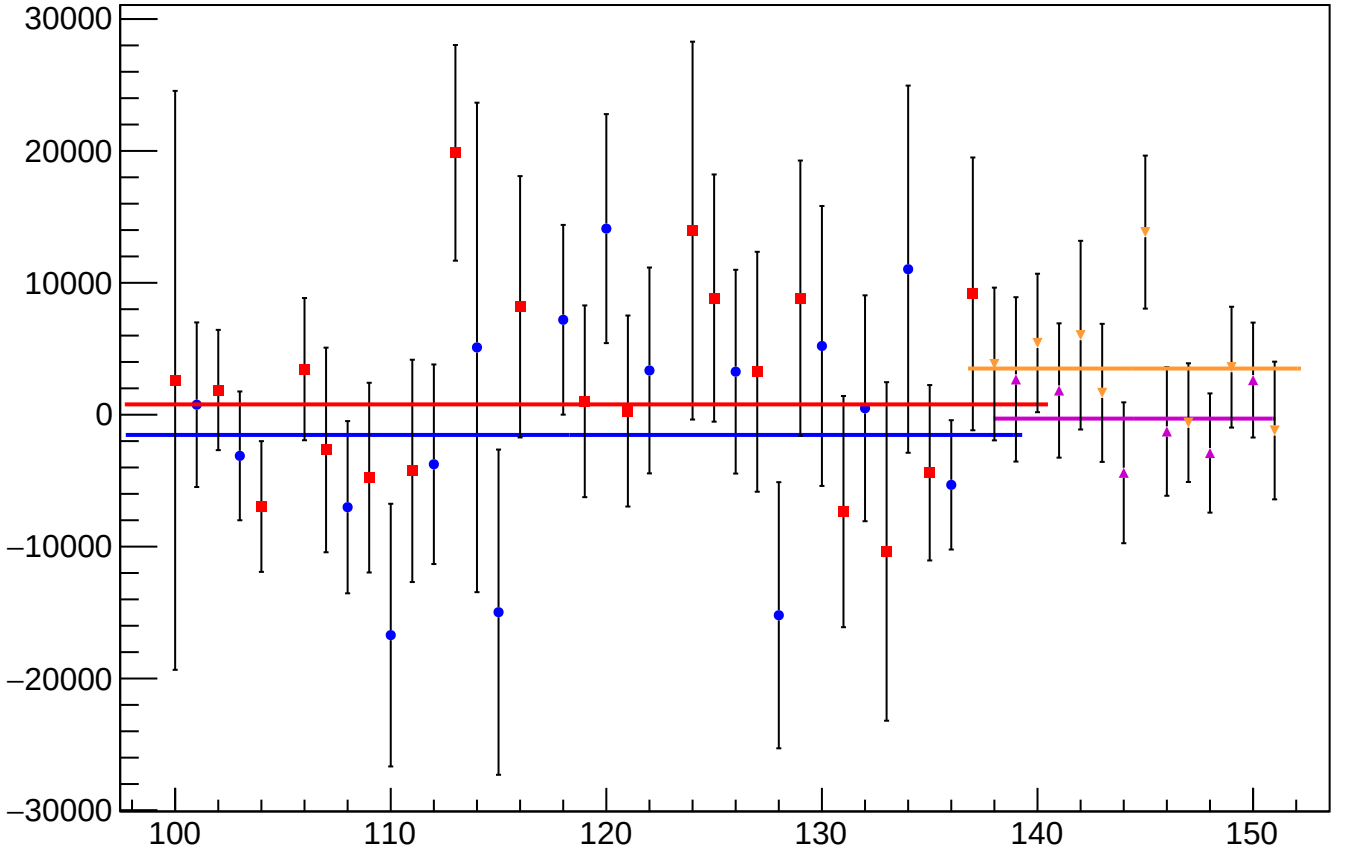
Left In: 1609.417+/-0.496 χ^2/NDF:27071.9/5

+ sign 1638.616+/-0.318 χ^2/NDF: 313929.5/23

All: 1629.017+/-0.227 χ^2/NDF: 581156.2/48

- sign 1619.004+/-0.325 χ^2/NDF: 265363.3/24

asym_usr_atr2_avg_dit_correction_mean vs Slug



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 3502.118+/-1871.157 χ^2/NDF:5.2/7

Right Out: 784.235+/-1748.566 χ^2/NDF: 15.0/18

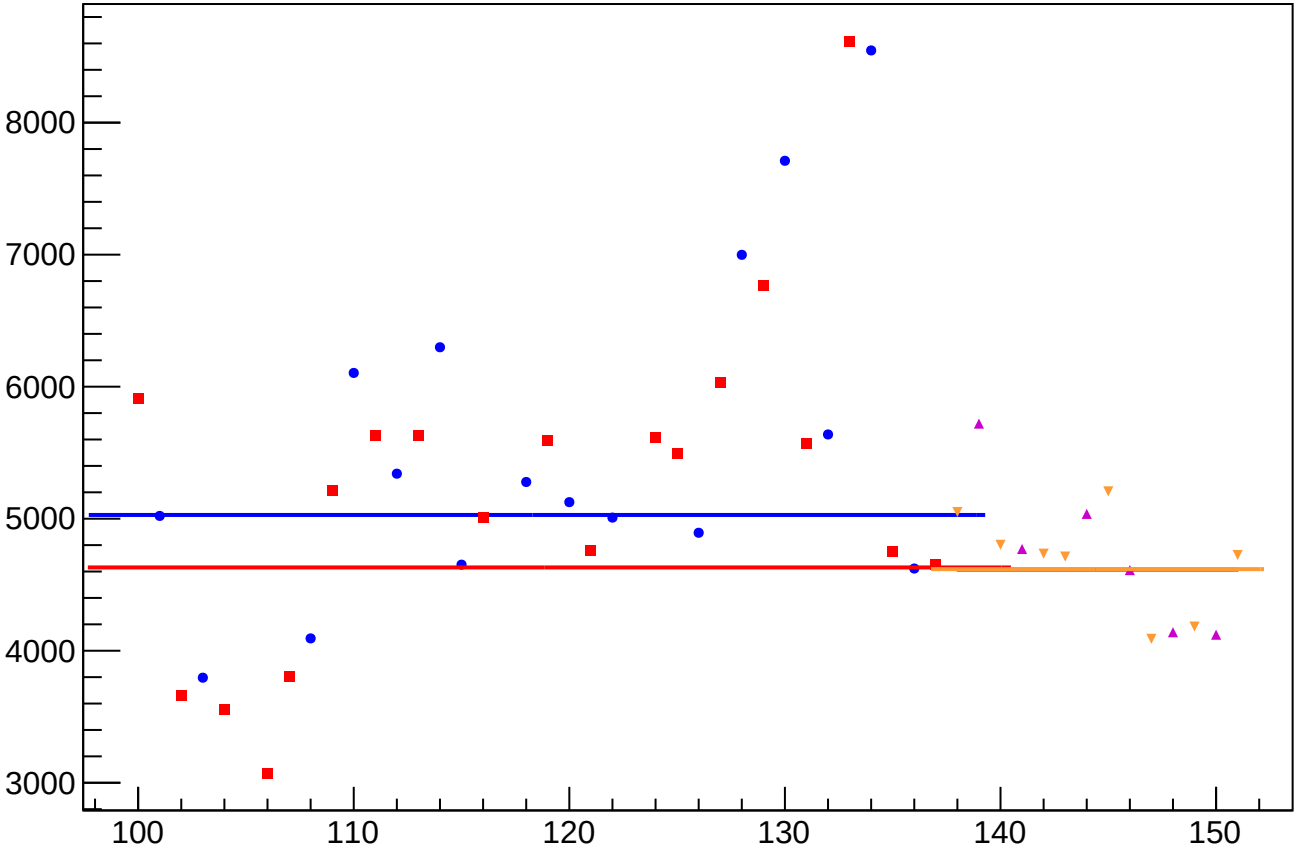
Left In: -294.378+/-2028.086 χ^2/NDF:1.8/5

+ sign 1041.714+/-1337.929 χ^2/NDF: 22.6/23

All: 679.350+/-941.207 χ^2/NDF: 39.8/48

- sign 324.325+/-1324.311 χ^2/NDF: 17.0/24

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 4618.056+/-1.323 χ^2/NDF:81833.5/7

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

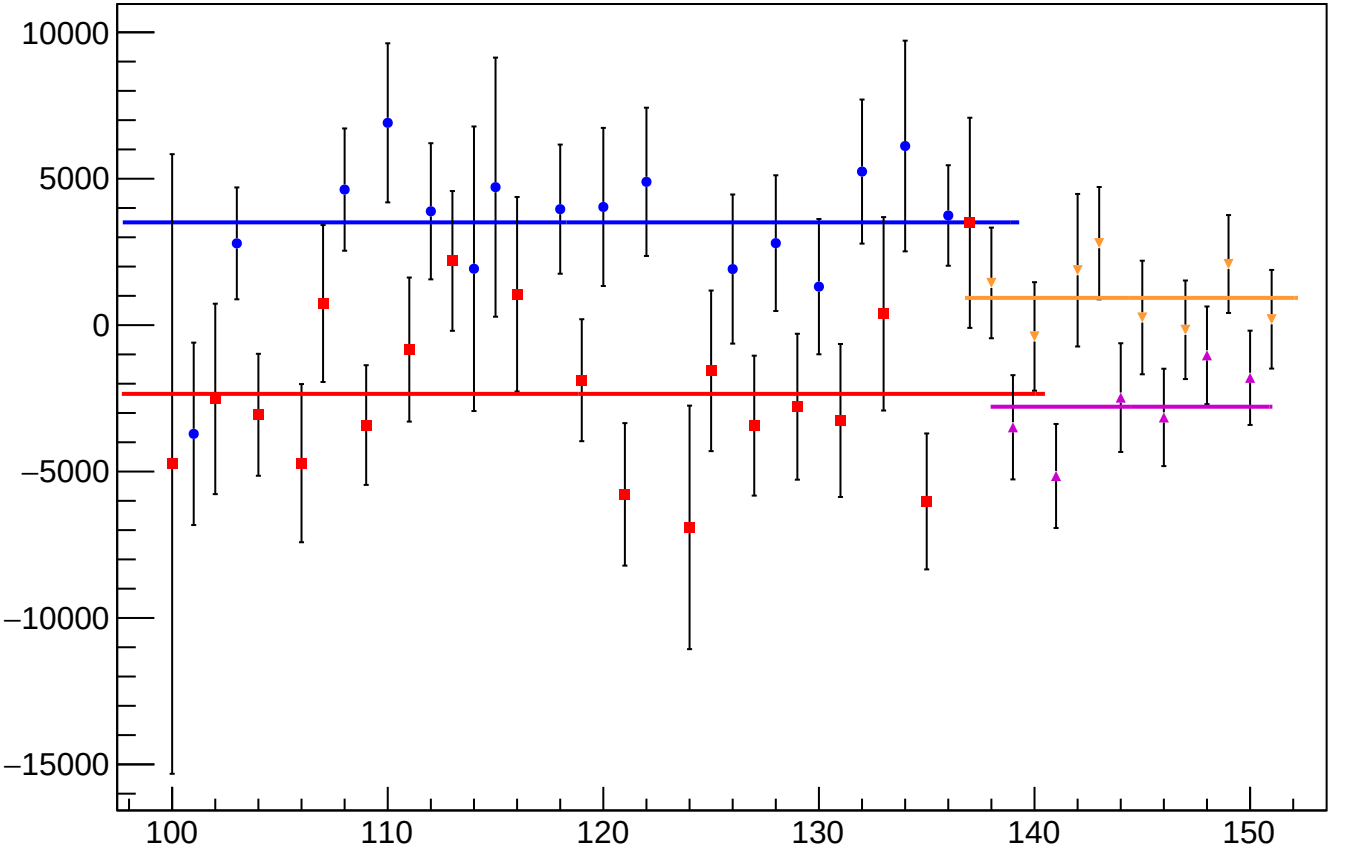
Left In: 4614.365+/-1.434 χ^2/NDF:125021.4/5

+ sign 4818.630+/-0.946 χ^2/NDF: 694323.0/23

All: 4720.244+/-0.666 χ^2/NDF: 1704346.8/48

- sign 4623.850+/-0.936 χ^2/NDF: 988612.6/24

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 930.769+/-656.553 χ^2/NDF:2.9/7

Right Out: -2346.865+/-607.502 χ^2/NDF: 17.1/18

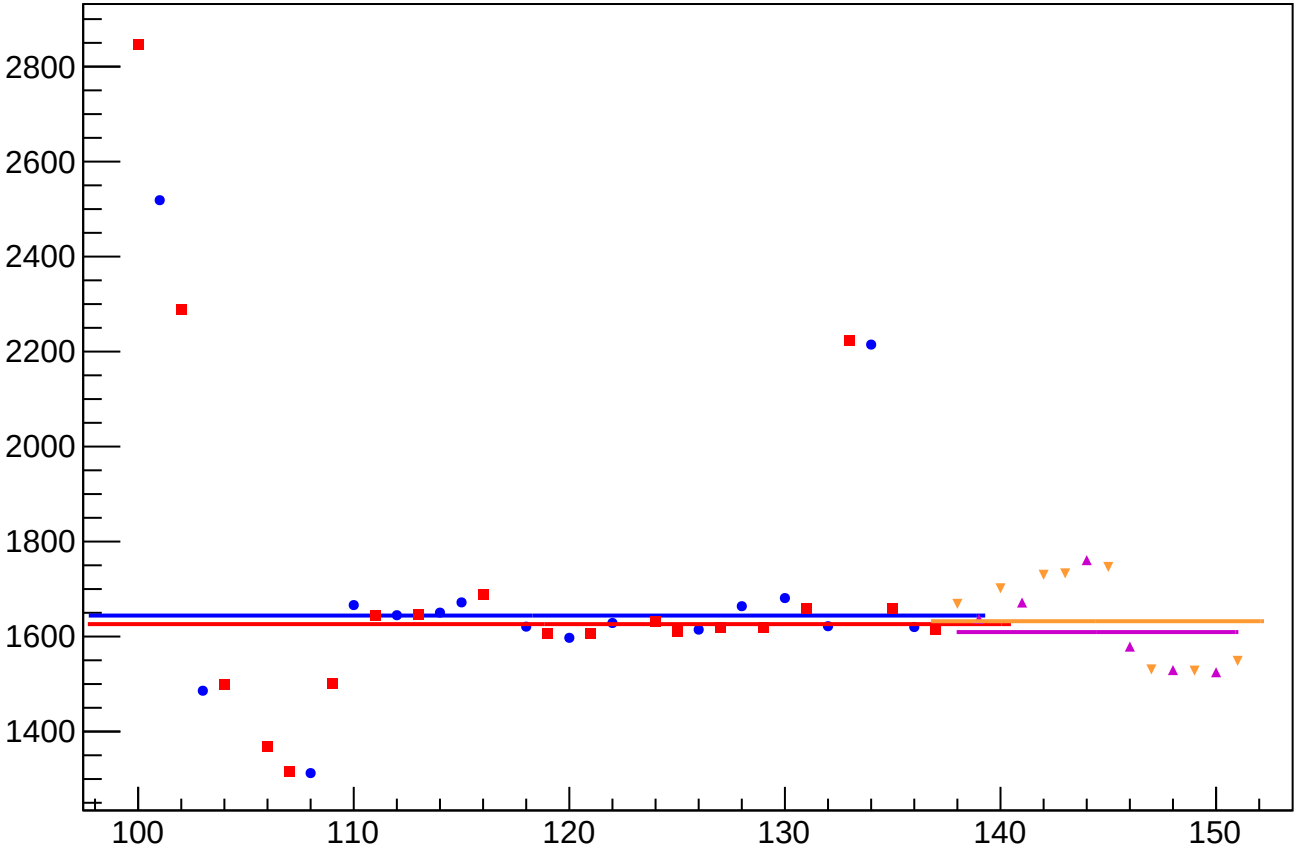
Left In: -2786.099+/-701.856 χ^2/NDF:3.5/5

+ sign 2300.726+/-449.511 χ^2/NDF: 21.4/23

All: -64.881+/-321.269 χ^2/NDF: 98.9/48

- sign -2534.994+/-459.333 χ^2/NDF: 20.8/24

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198+/-0.436 χ^2/NDF: 274818.1/15

Left Out: 1632.291+/-0.464 χ^2/NDF:38762.2/7

Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

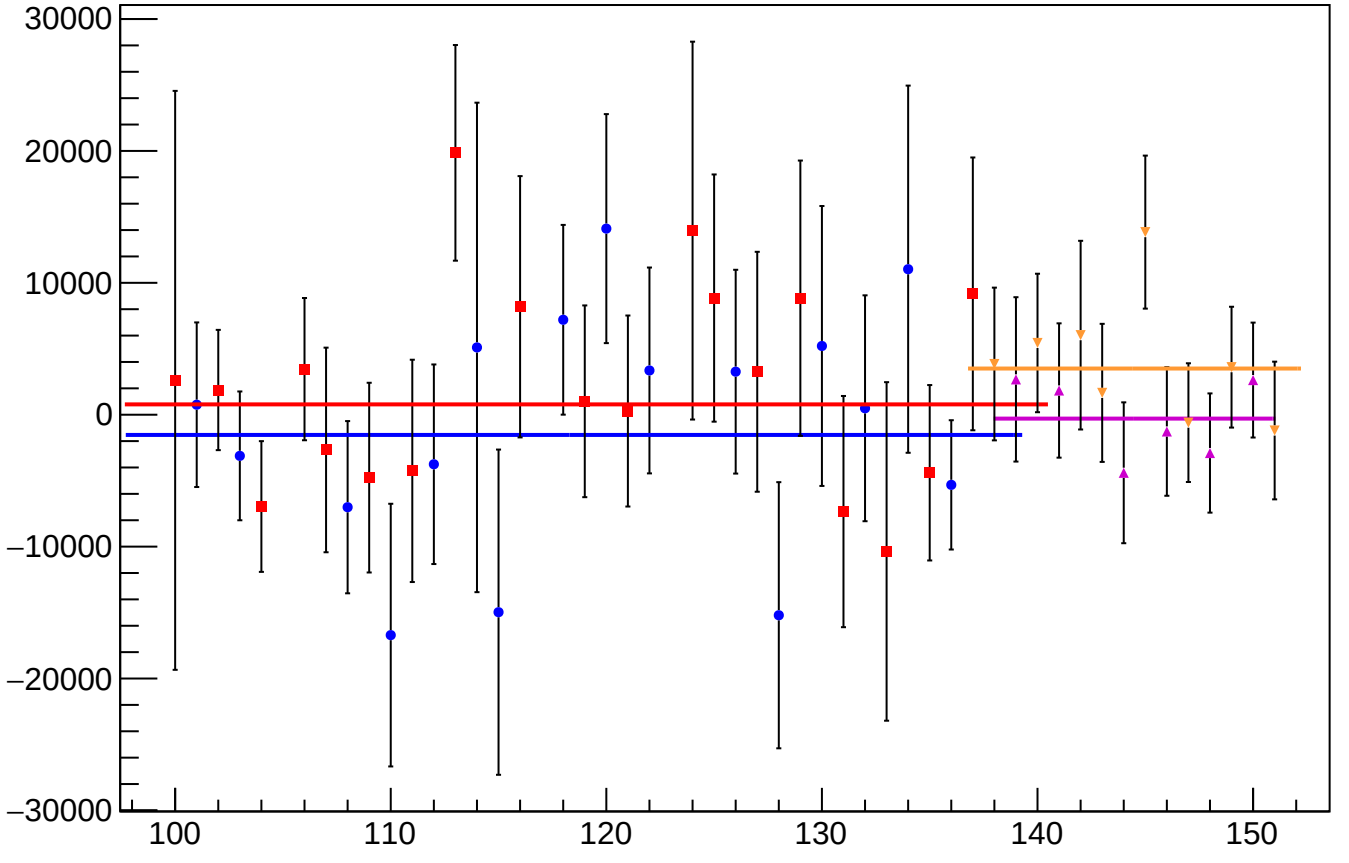
Left In: 1609.418+/-0.496 χ^2/NDF:27071.8/5

+ sign 1638.617+/-0.318 χ^2/NDF: 313929.7/23

All: 1629.017+/-0.227 χ^2/NDF: 581155.9/48

- sign 1619.004+/-0.325 χ^2/NDF: 265362.7/24

asym_usr_atr2_avg_eigen_dit_correction_mean vs Slug



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 3502.118+/-1871.159 χ^2/NDF:5.2/7

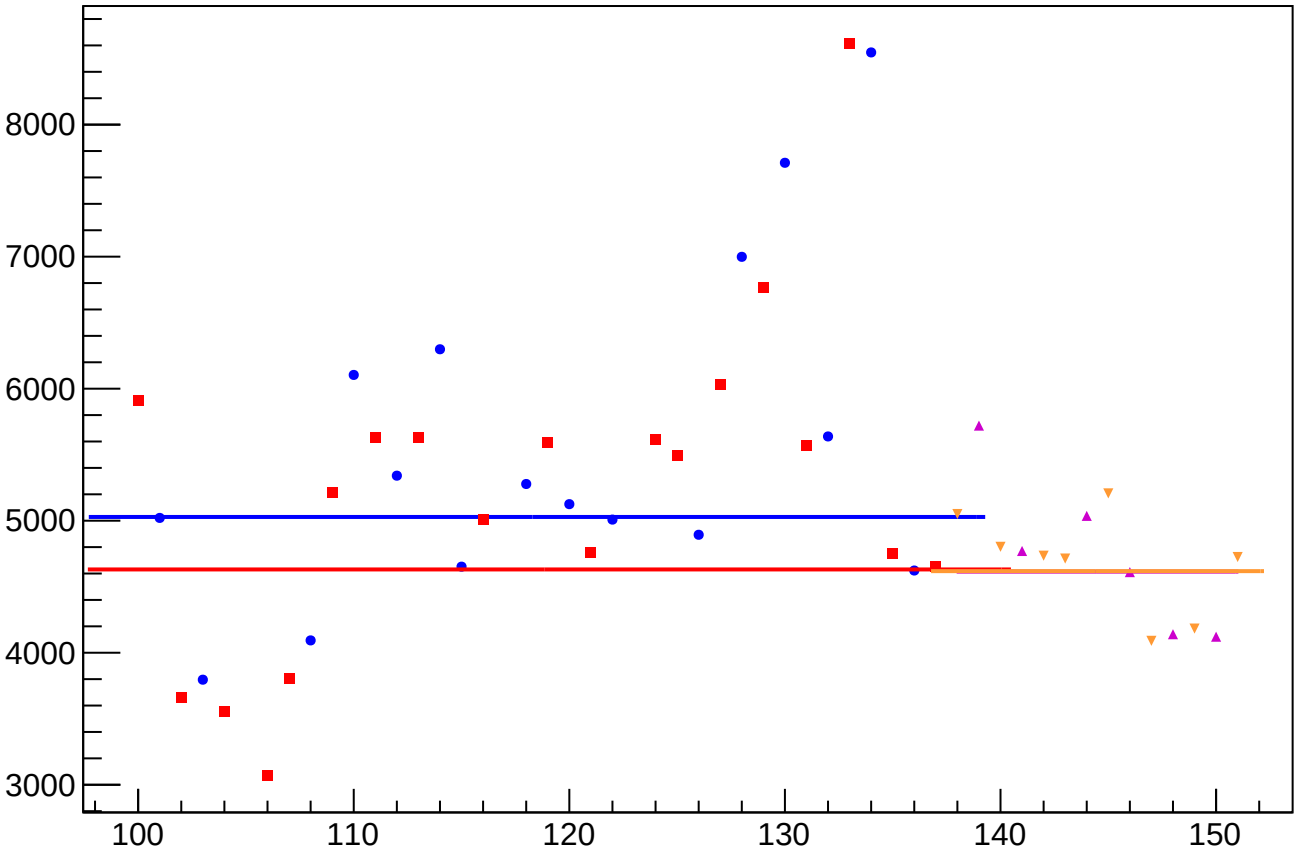
Right Out: 784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: -294.374+/-2028.089 χ^2/NDF:1.8/5

+ sign 1041.714+/-1337.929 χ^2/NDF: 22.6/23

All: 679.352+/-941.207 χ^2/NDF: 39.8/48

- sign 324.329+/-1324.311 χ^2/NDF: 17.0/24



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 4618.063+/-1.323 χ^2/NDF:81833.7/7

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

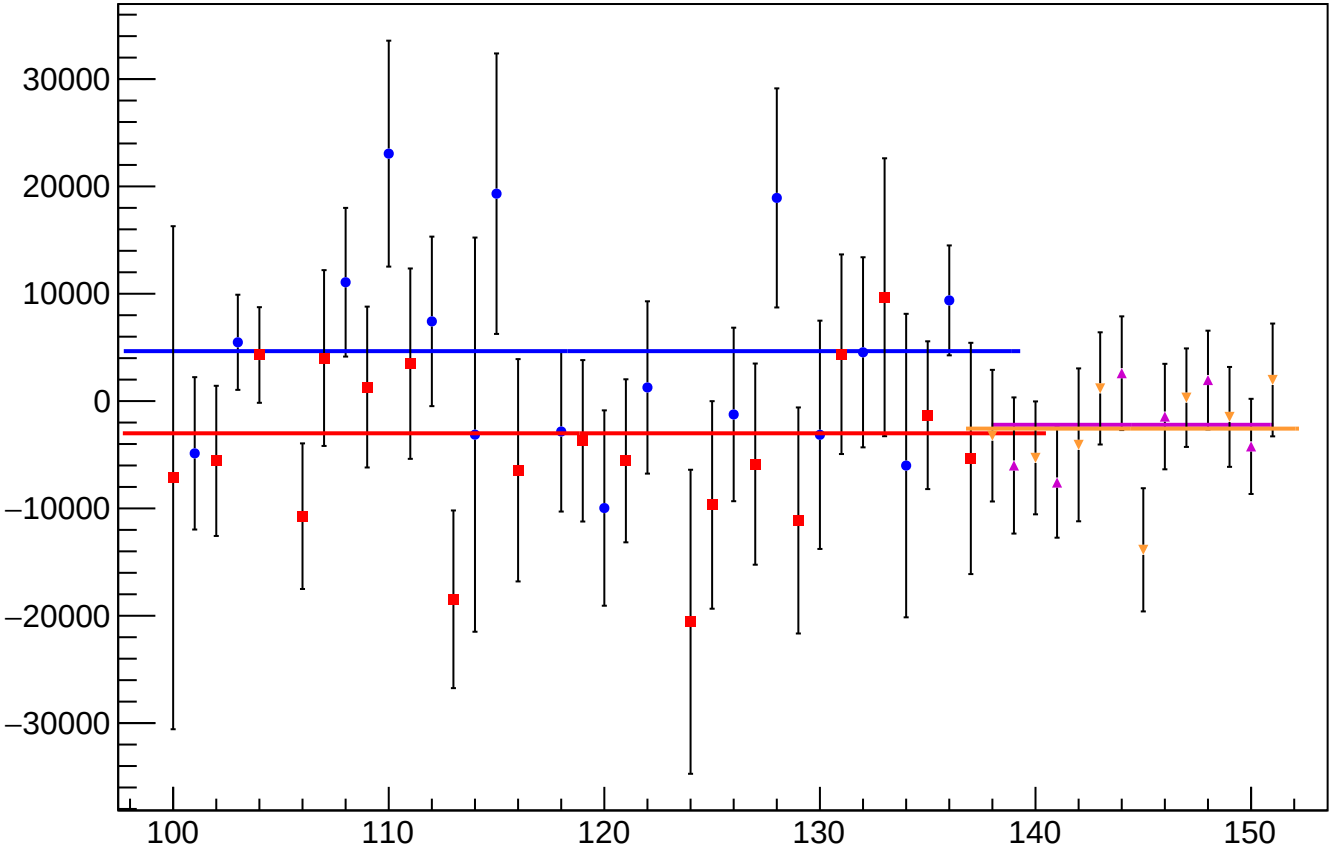
Left In: 4614.372+/-1.434 χ^2/NDF:125021.4/5

\+ sign 4818.631+/-0.946 χ^2/NDF: 694313.8/23

All: 4720.244+/-0.666 χ^2/NDF: 1704331.9/48

\- sign 4623.849+/-0.936 χ^2/NDF: 988606.6/24

asym_usr_atr2_avg_mean vs Slug



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: -2565.445+/-1892.293 χ^2/NDF:5.9/7

Right Out: -3000.980+/-1882.821 χ^2/NDF: 13.9/18

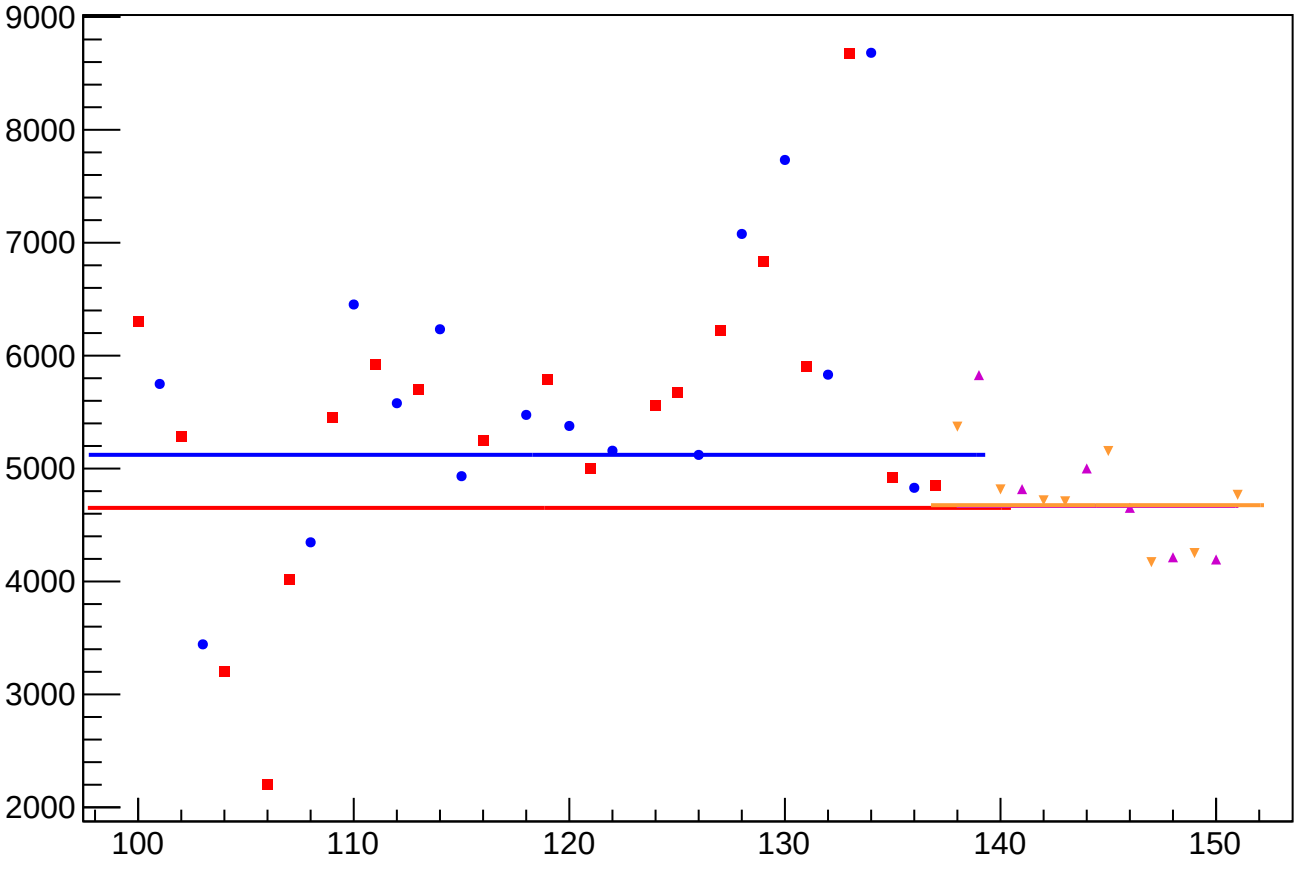
Left In: -2210.466+/-2049.985 χ^2/NDF:3.3/5

+ sign 919.780+/-1360.856 χ^2/NDF: 28.5/23

All: -826.277+/-971.276 χ^2/NDF: 49.1/48

- sign -2639.263+/-1386.693 χ^2/NDF: 17.3/24

asym_usr_atr2_avg_rms vs Slug



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 4675.661+/-1.338 χ^2/NDF:82659.9/7

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

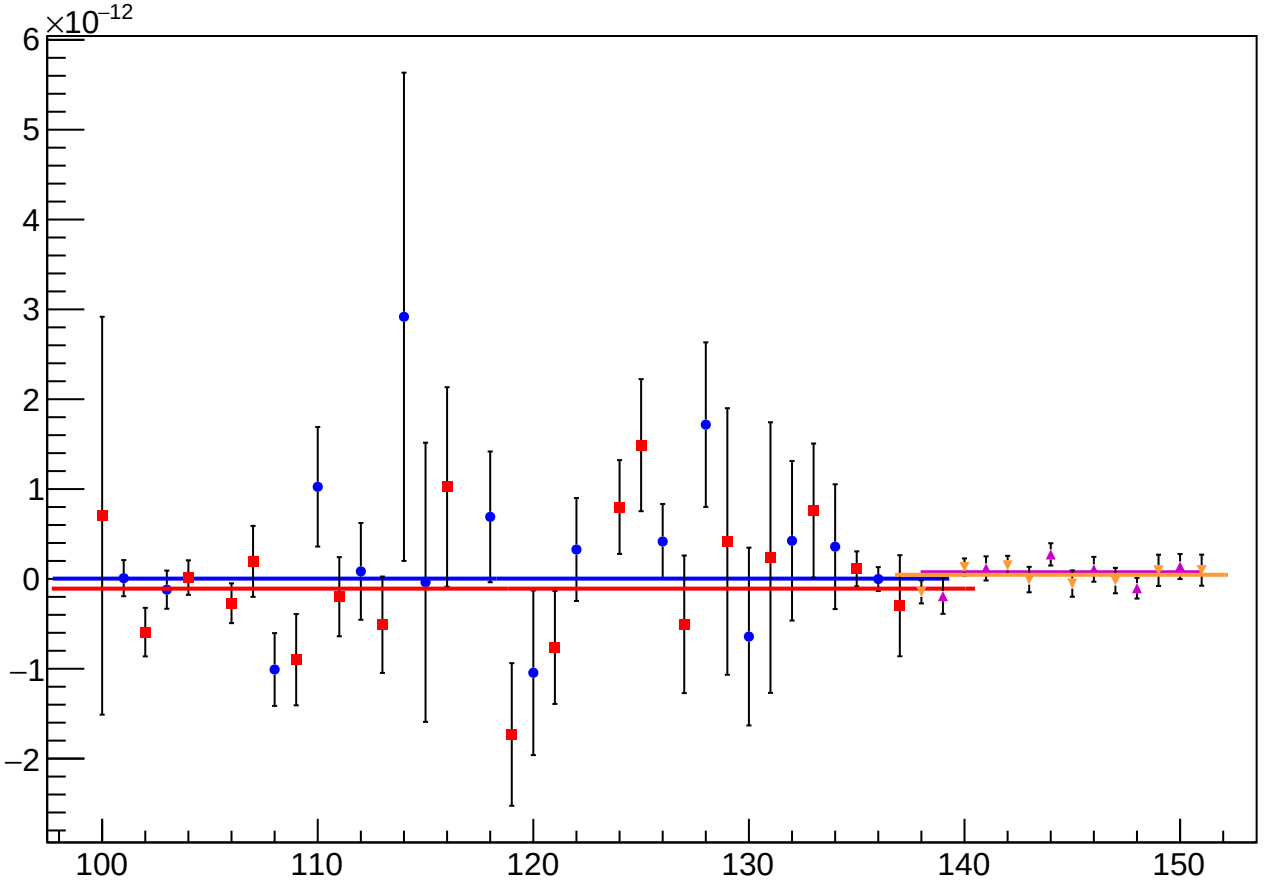
Left In: 4668.978+/-1.450 χ^2/NDF:118724.6/5

+ sign 4890.987+/-0.962 χ^2/NDF: 856667.4/23

All: 4774.818+/-0.679 χ^2/NDF: 2349408.1/48

- sign 4659.287+/-0.960 χ^2/NDF: 1463672.2/24

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:4.9/7

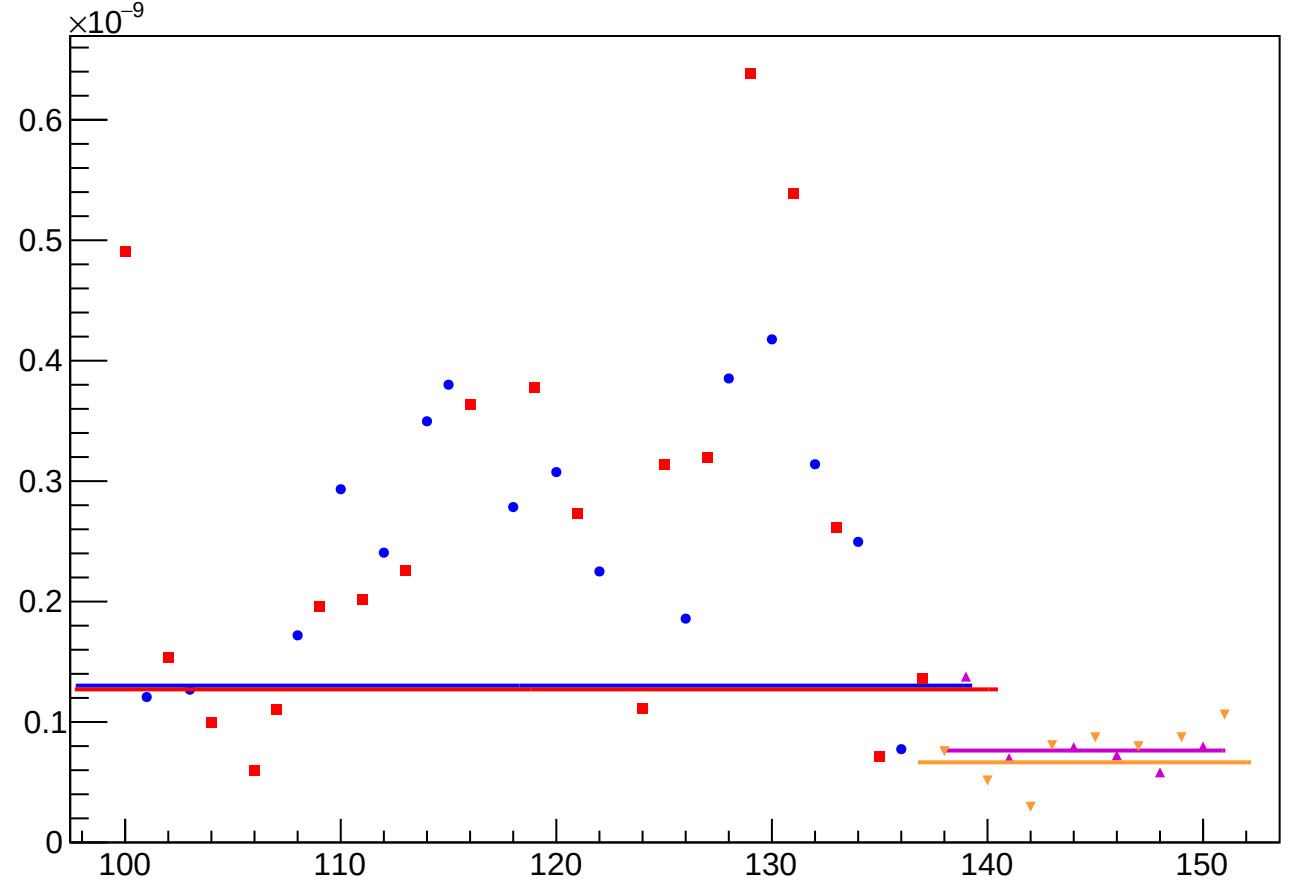
Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:7.1/5

+ sign 0.000+/-0.000 χ^2/NDF: 23.2/23

All: 0.000+/-0.000 χ^2/NDF: 58.5/48

- sign 0.000+/-0.000 χ^2/NDF: 35.3/24



Right In: 0.000+/-0.000 χ^2/NDF: 1329229.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:512393.7/7

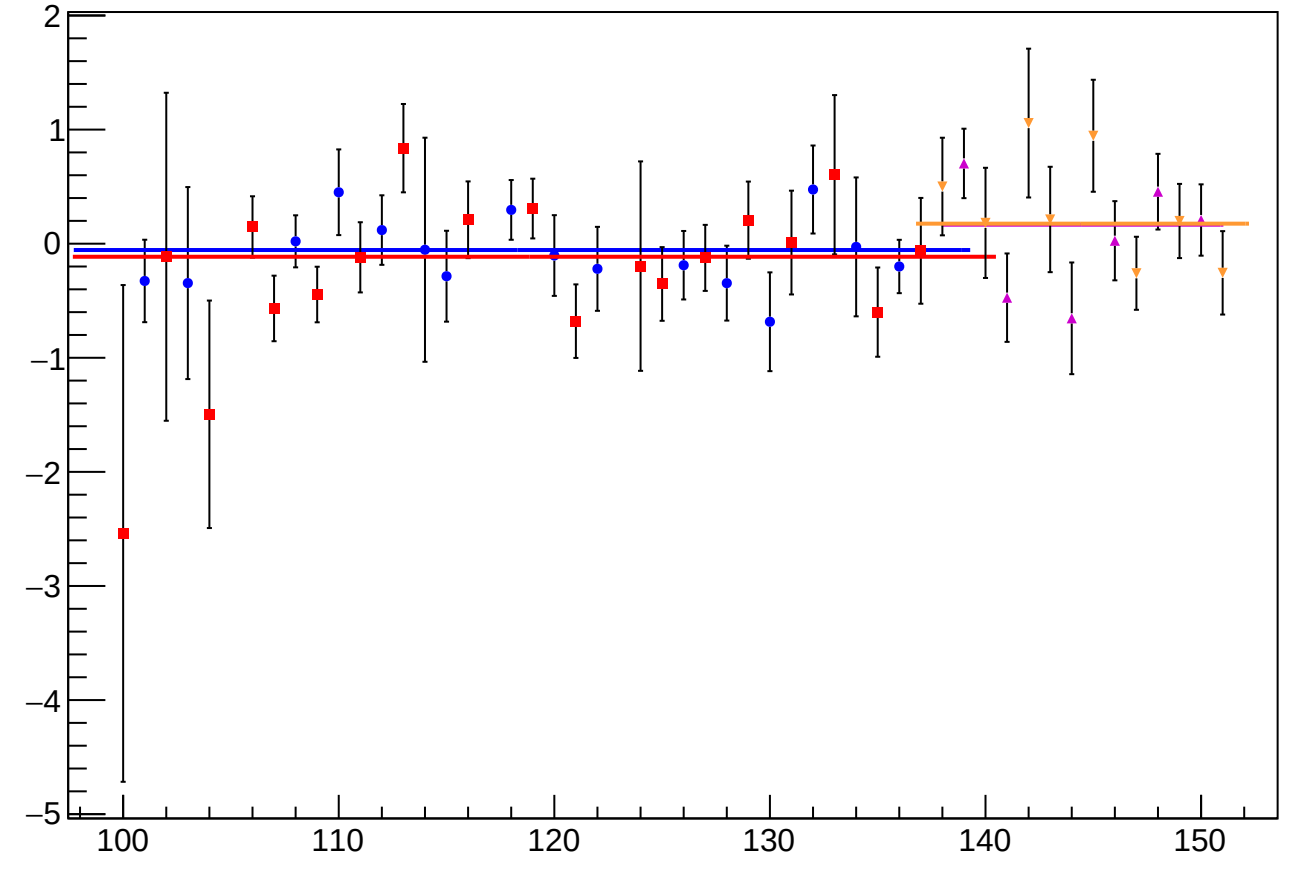
Right Out: 0.000+/-0.000 χ^2/NDF: 1734331.2/18

Left In: 0.000+/-0.000 χ^2/NDF:251430.0/5

+ sign 0.000+/-0.000 χ^2/NDF: 2685836.1/23

All: 0.000+/-0.000 χ^2/NDF: 5185222.0/48

- sign 0.000+/-0.000 χ^2/NDF: 2450254.6/24



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.176+/-0.145 χ^2/NDF:8.1/7

Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

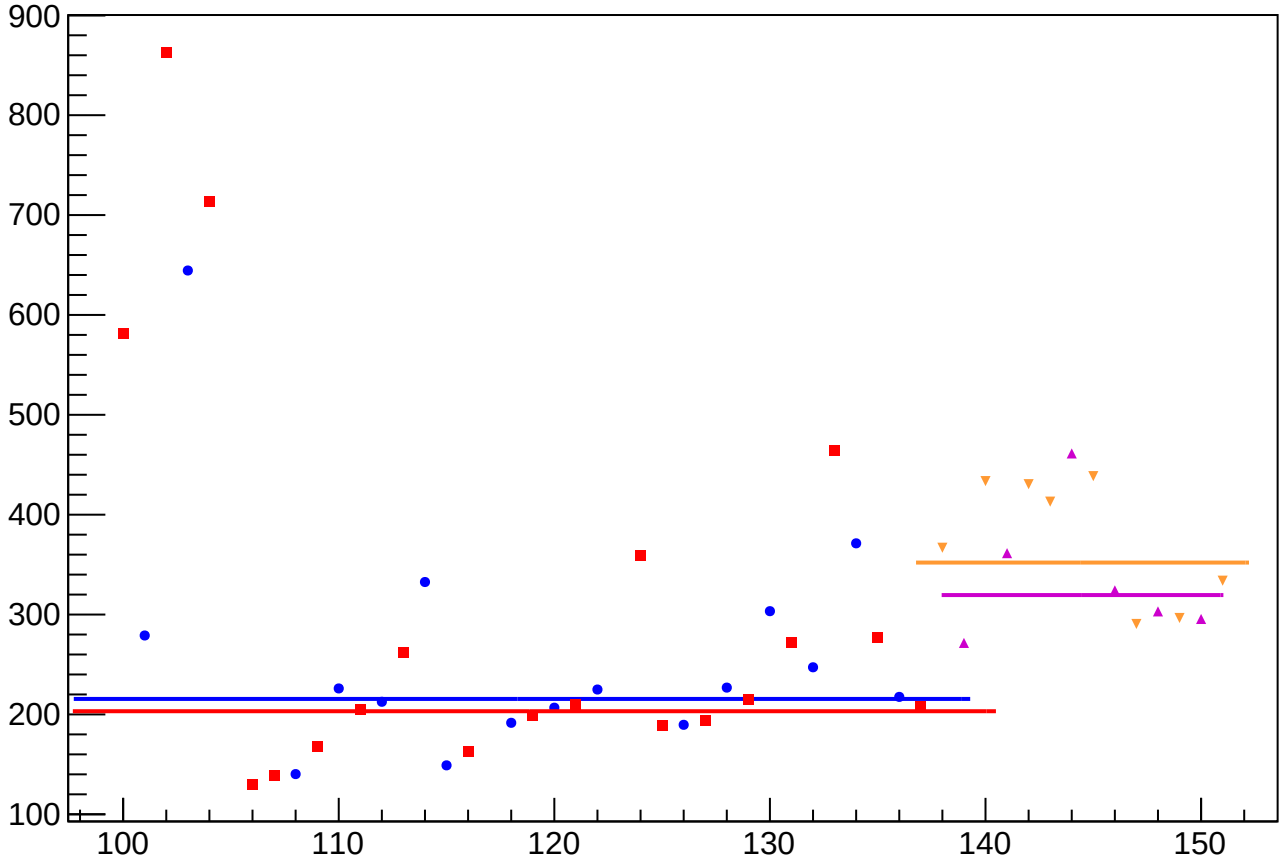
Left In: 0.166+/-0.142 χ^2/NDF:9.6/5

+ sign 0.004+/-0.074 χ^2/NDF: 20.7/23

All: -0.020+/-0.051 χ^2/NDF: 58.6/48

- sign -0.043+/-0.072 χ^2/NDF: 37.7/24

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: 352.059+/-0.102 χ^2/NDF:322438.5/7

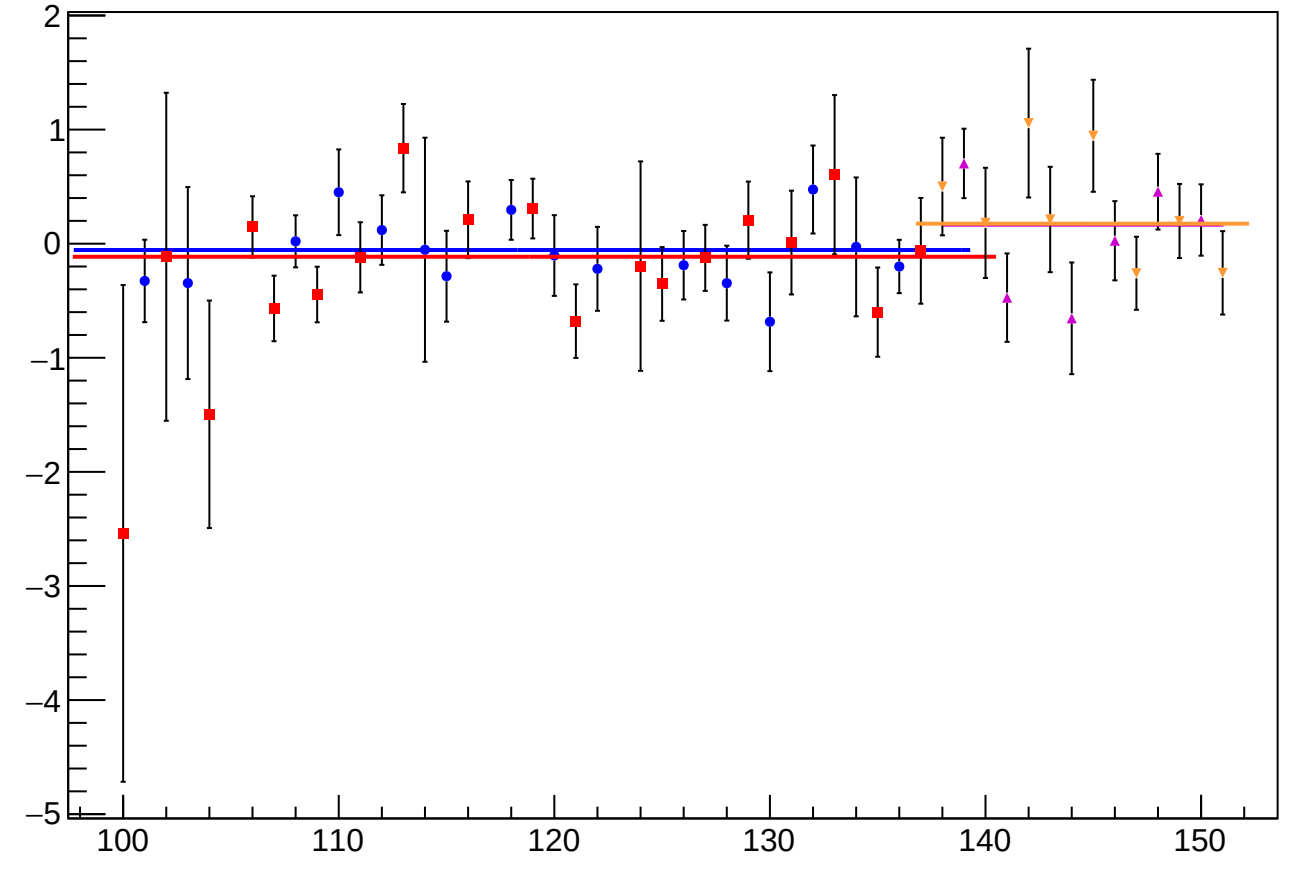
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 319.519+/-0.101 χ^2/NDF:257791.1/5

+ sign 250.776+/-0.052 χ^2/NDF: 2789136.6/23

All: 241.566+/-0.036 χ^2/NDF: 5937361.6/48

- sign 232.789+/-0.051 χ^2/NDF: 3087085.5/24



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.176+/-0.145 χ^2/NDF:8.1/7

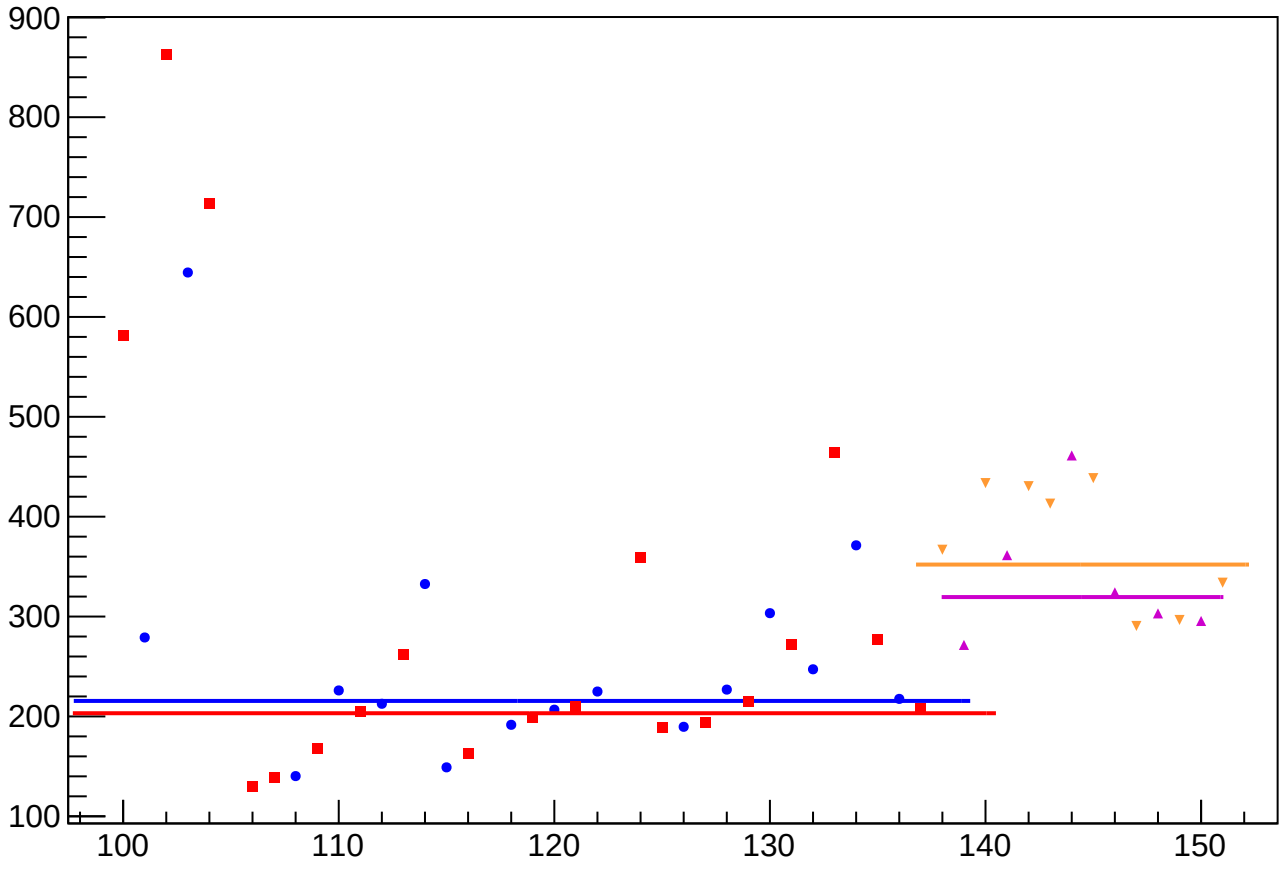
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.166+/-0.142 χ^2/NDF:9.6/5

+ sign 0.004+/-0.074 χ^2/NDF: 20.7/23

All: -0.020+/-0.051 χ^2/NDF: 58.6/48

- sign -0.043+/-0.072 χ^2/NDF: 37.7/24



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 352.059+/-0.102 χ^2/NDF:322438.5/7

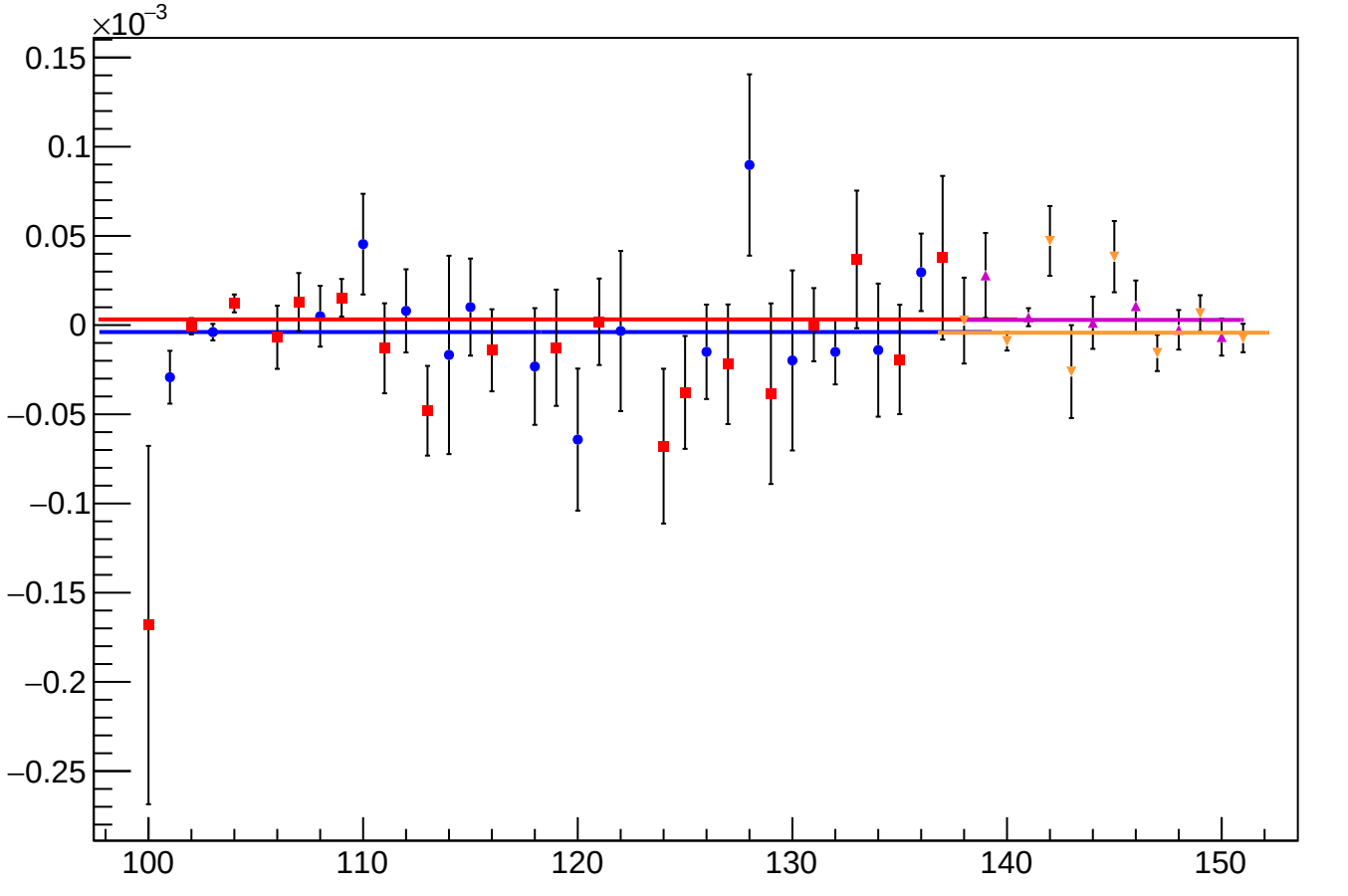
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 319.519+/-0.101 χ^2/NDF:257791.1/5

+ sign 250.776+/-0.052 χ^2/NDF: 2789136.6/23

All: 241.566+/-0.036 χ^2/NDF: 5937361.6/48

- sign 232.789+/-0.051 χ^2/NDF: 3087085.5/24



Right In: -0.000+/-0.000 χ^2/NDF: 16.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.6/7

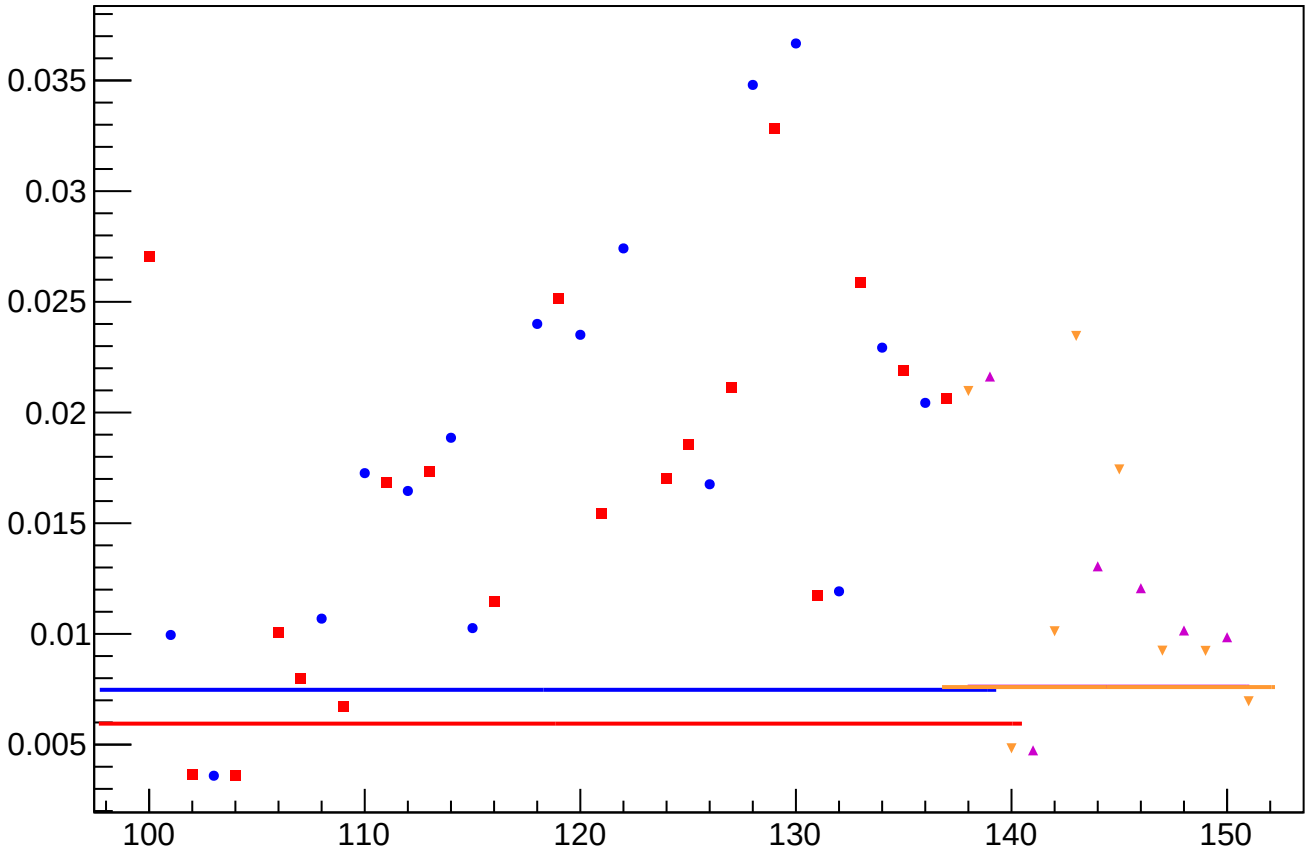
Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: 0.000+/-0.000 χ^2/NDF:2.6/5

+ sign -0.000+/-0.000 χ^2/NDF: 31.6/23

All: -0.000+/-0.000 χ^2/NDF: 60.1/48

- sign 0.000+/-0.000 χ^2/NDF: 24.2/24



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:2545289.6/7

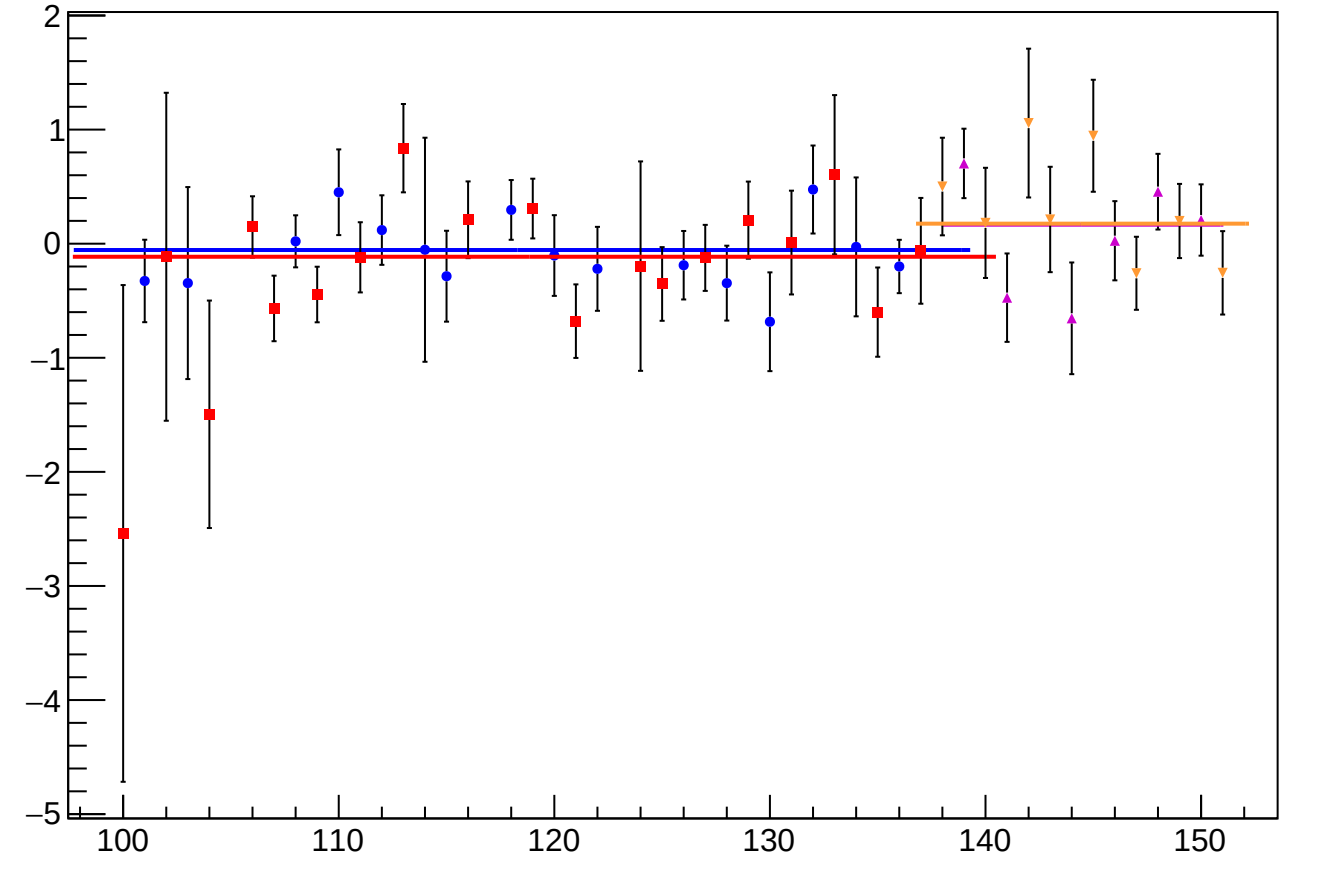
Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.008+/-0.000 χ^2/NDF:2006802.9/5

+ sign 0.008+/-0.000 χ^2/NDF: 8622620.7/23

All: 0.007+/-0.000 χ^2/NDF: 16966799.8/48

- sign 0.007+/-0.000 χ^2/NDF: 8182161.8/24



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.176+/-0.145 χ^2/NDF:8.1/7

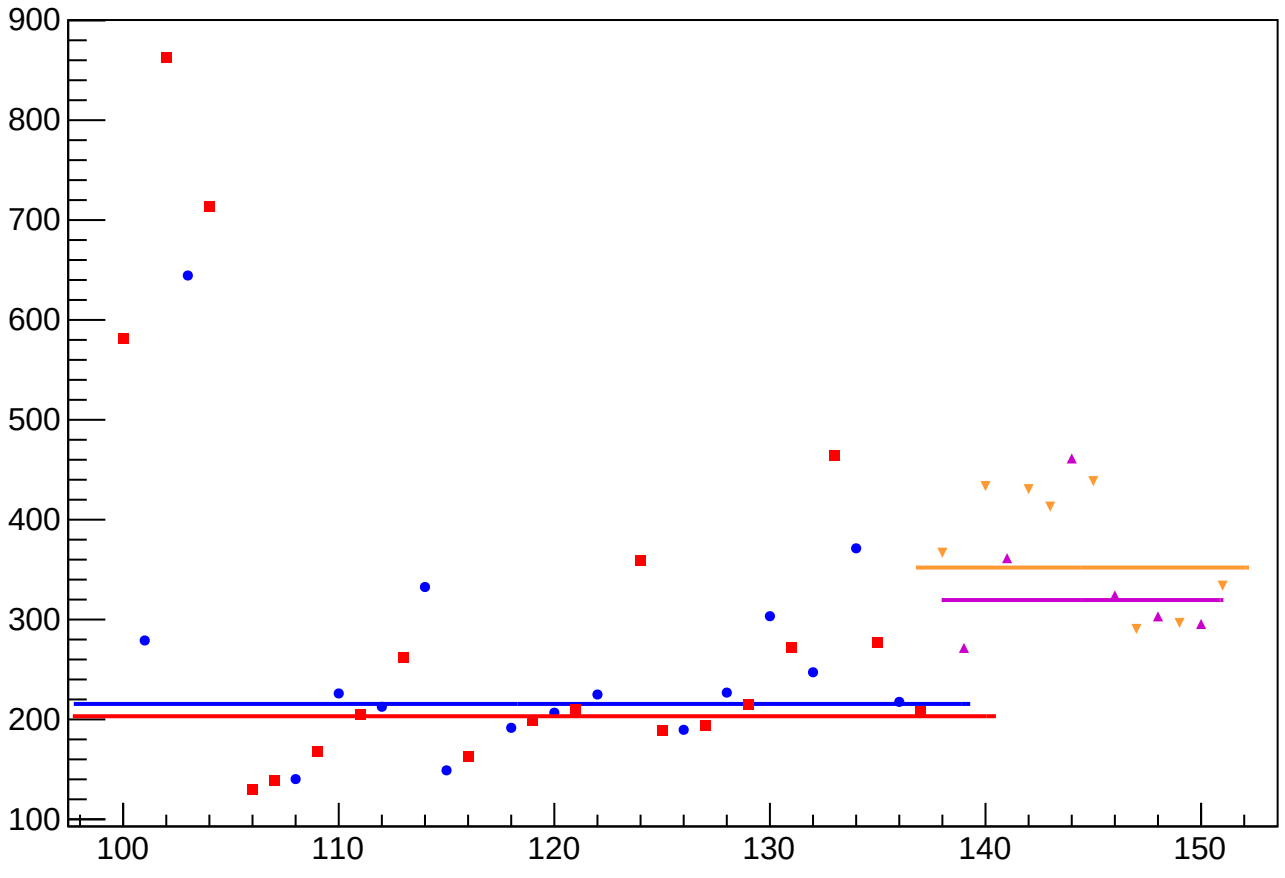
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.166+/-0.142 χ^2/NDF:9.6/5

+ sign 0.004+/-0.074 χ^2/NDF: 20.7/23

All: -0.020+/-0.051 χ^2/NDF: 58.6/48

- sign -0.043+/-0.072 χ^2/NDF: 37.7/24



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 352.064+/-0.102 χ^2/NDF:322428.8/7

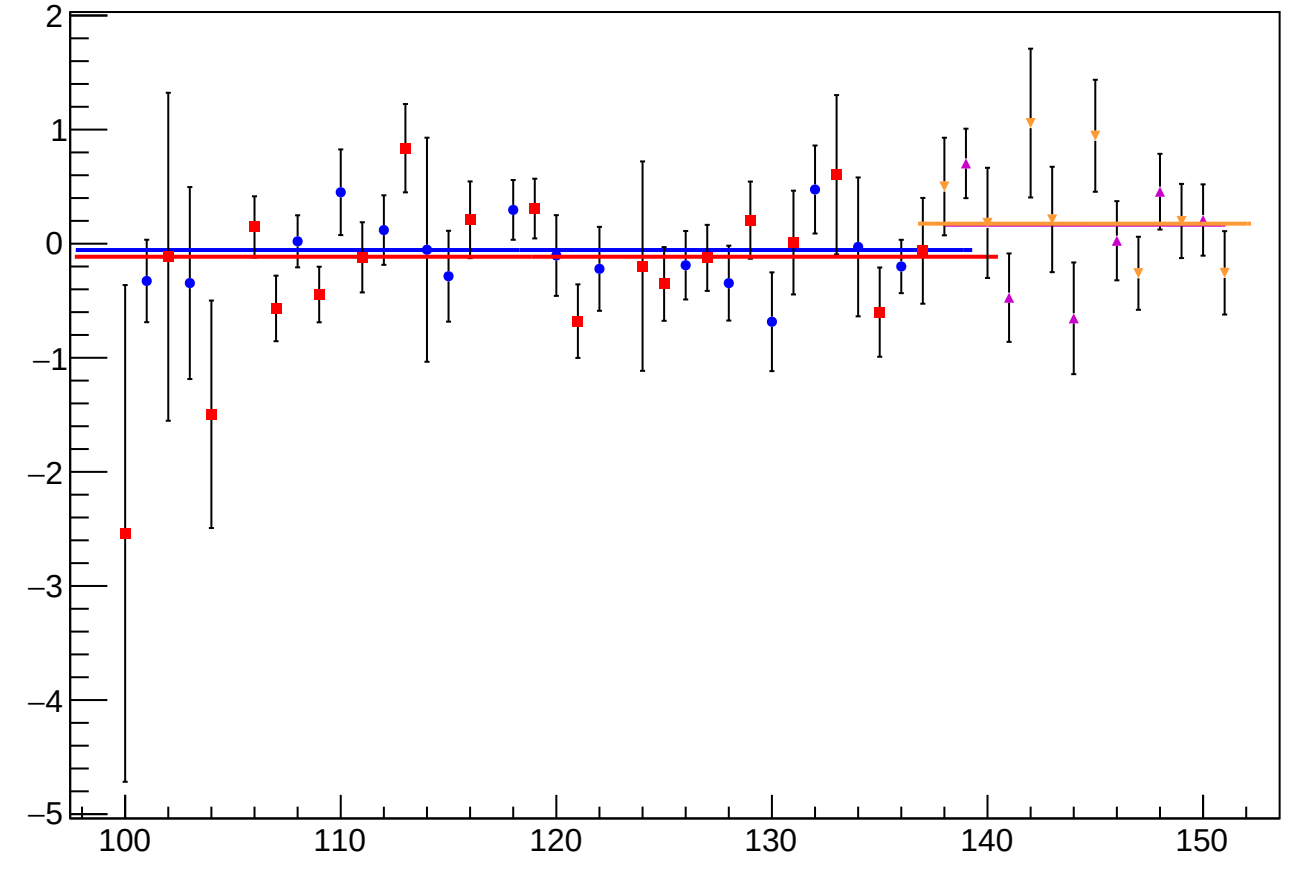
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 319.524+/-0.101 χ^2/NDF:257779.1/5

+ sign 250.775+/-0.052 χ^2/NDF: 2789195.1/23

All: 241.565+/-0.036 χ^2/NDF: 5937485.4/48

- sign 232.789+/-0.051 χ^2/NDF: 3087149.5/24



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.176+/-0.145 χ^2/NDF:8.1/7

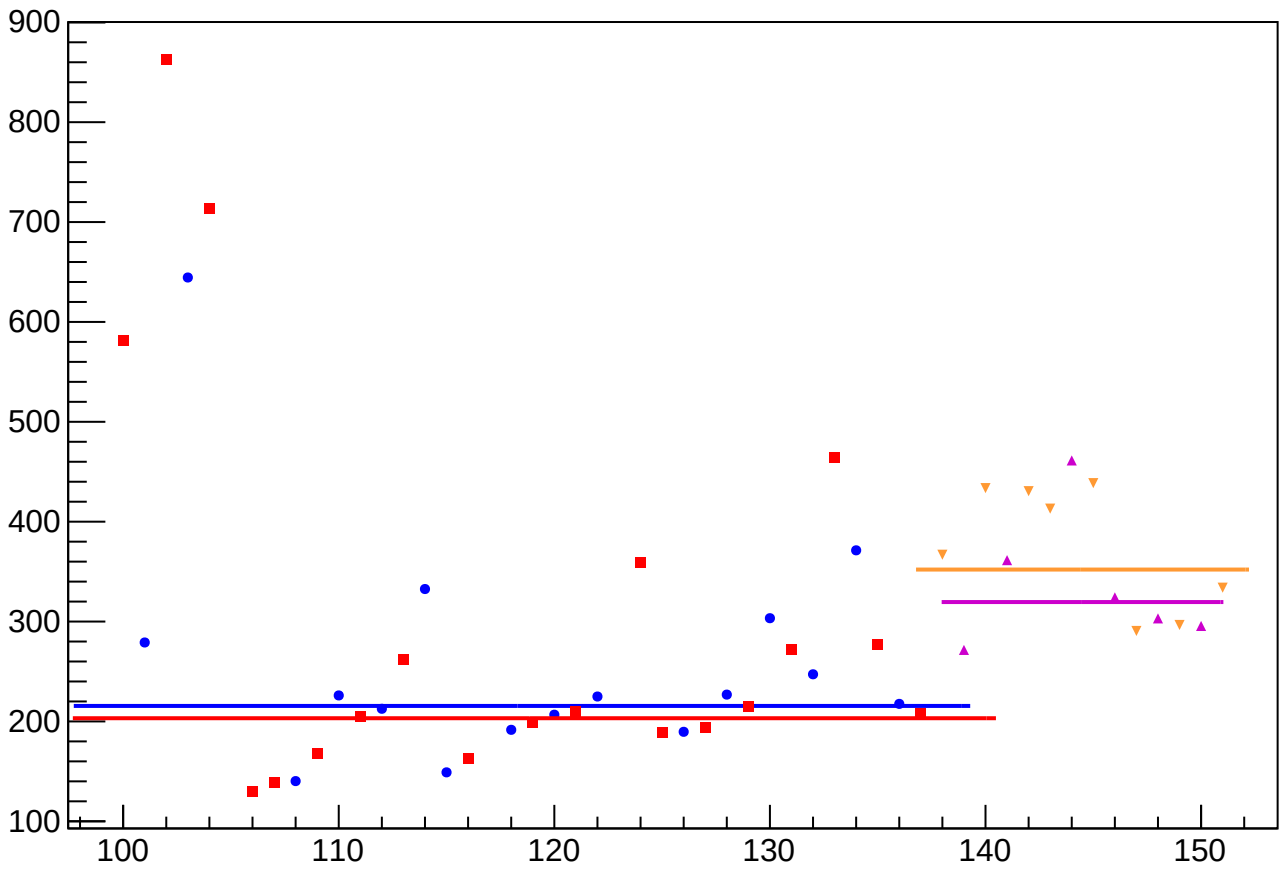
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.166+/-0.142 χ^2/NDF:9.6/5

+ sign 0.004+/-0.074 χ^2/NDF: 20.7/23

All: -0.020+/-0.051 χ^2/NDF: 58.6/48

- sign -0.043+/-0.072 χ^2/NDF: 37.7/24



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 352.064+/-0.102 χ^2/NDF:322428.8/7

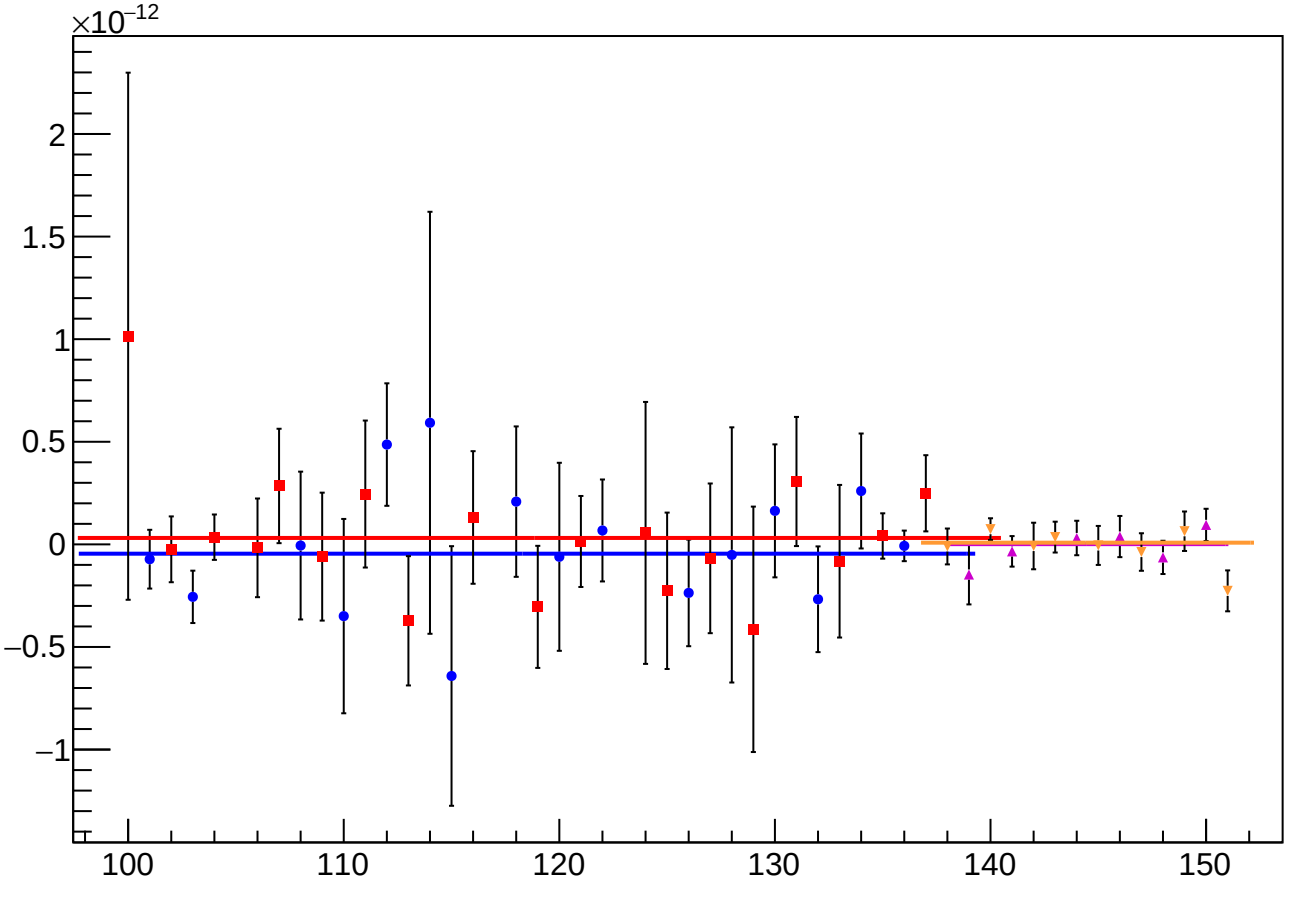
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 319.524+/-0.101 χ^2/NDF:257779.1/5

+ sign 250.775+/-0.052 χ^2/NDF: 2789195.1/23

All: 241.565+/-0.036 χ^2/NDF: 5937485.4/48

- sign 232.789+/-0.051 χ^2/NDF: 3087149.5/24



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.9/7

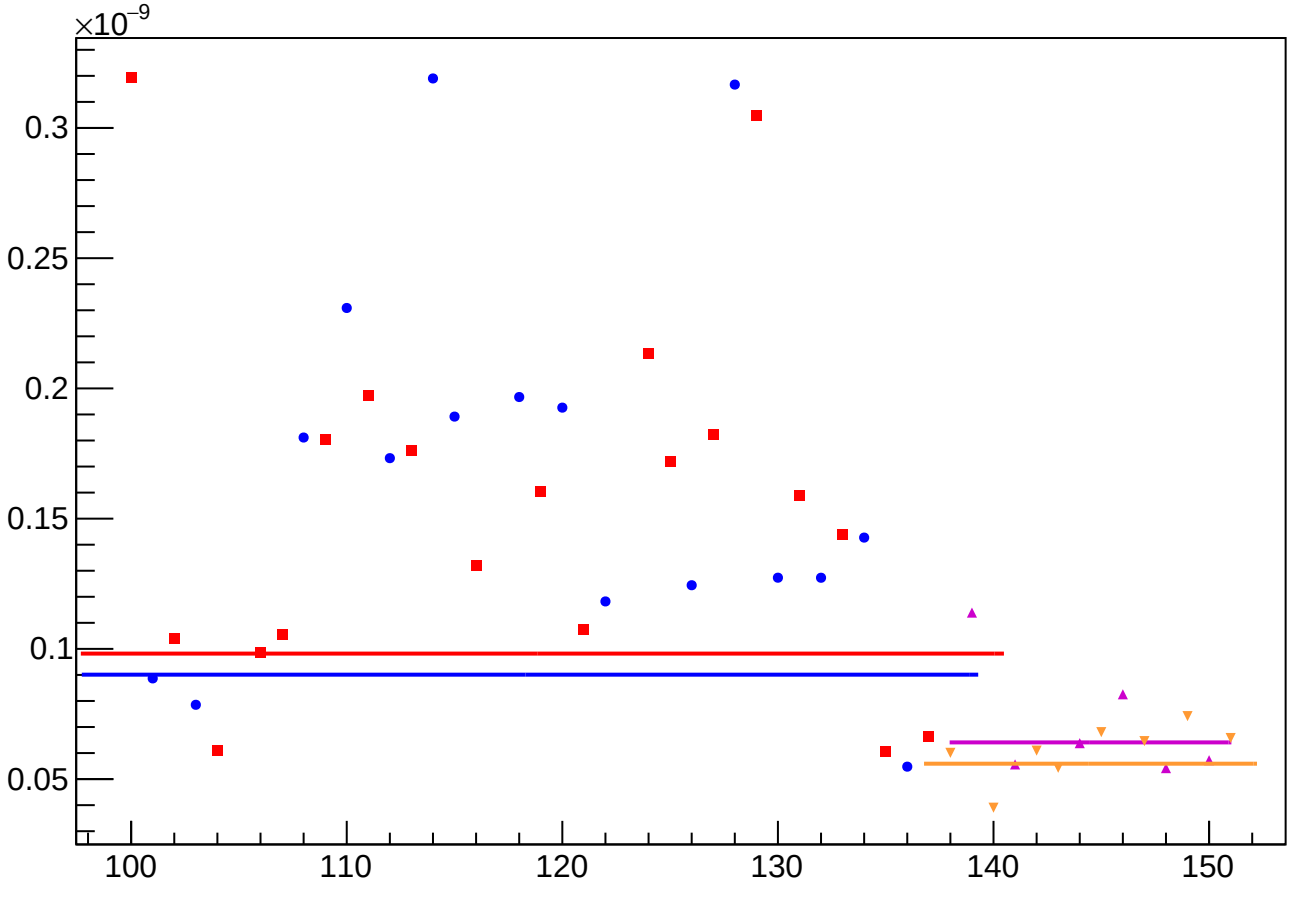
Right Out: 0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: 0.000+/-0.000 χ^2/NDF:3.6/5

+ sign -0.000+/-0.000 χ^2/NDF: 20.2/23

All: 0.000+/-0.000 χ^2/NDF: 32.6/48

- sign 0.000+/-0.000 χ^2/NDF: 12.2/24



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:354152.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

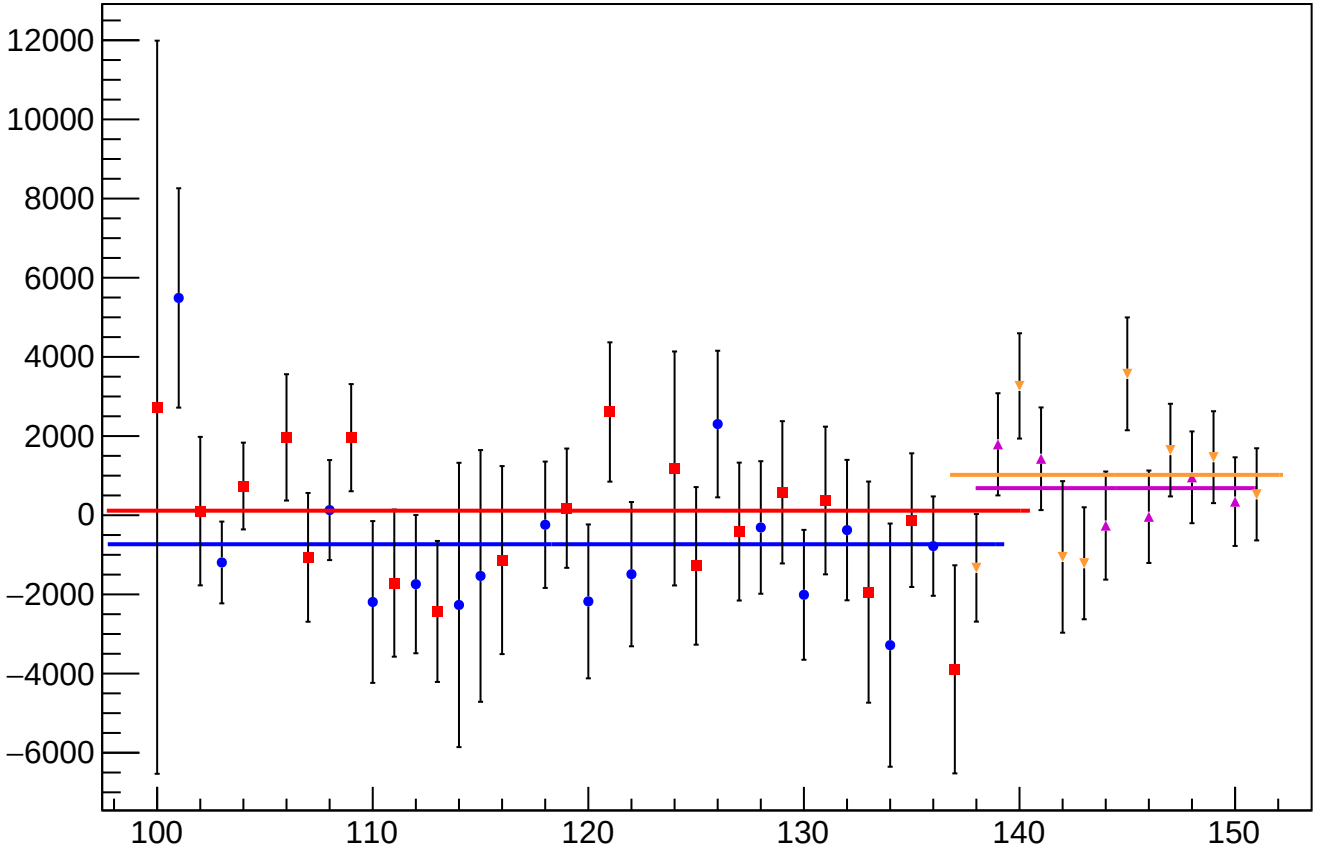
Left In: 0.000+/-0.000 χ^2/NDF:372464.3/5

+ sign 0.000+/-0.000 χ^2/NDF: 2860666.5/23

All: 0.000+/-0.000 χ^2/NDF: 5655533.4/48

- sign 0.000+/-0.000 χ^2/NDF: 2649990.2/24

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -732.747+/-427.384 χ^2/NDF: 11.7/15

Left Out: 1019.727+/-467.185 χ^2/NDF:13.3/7

Right Out: 115.040+/-411.437 χ^2/NDF: 13.1/18

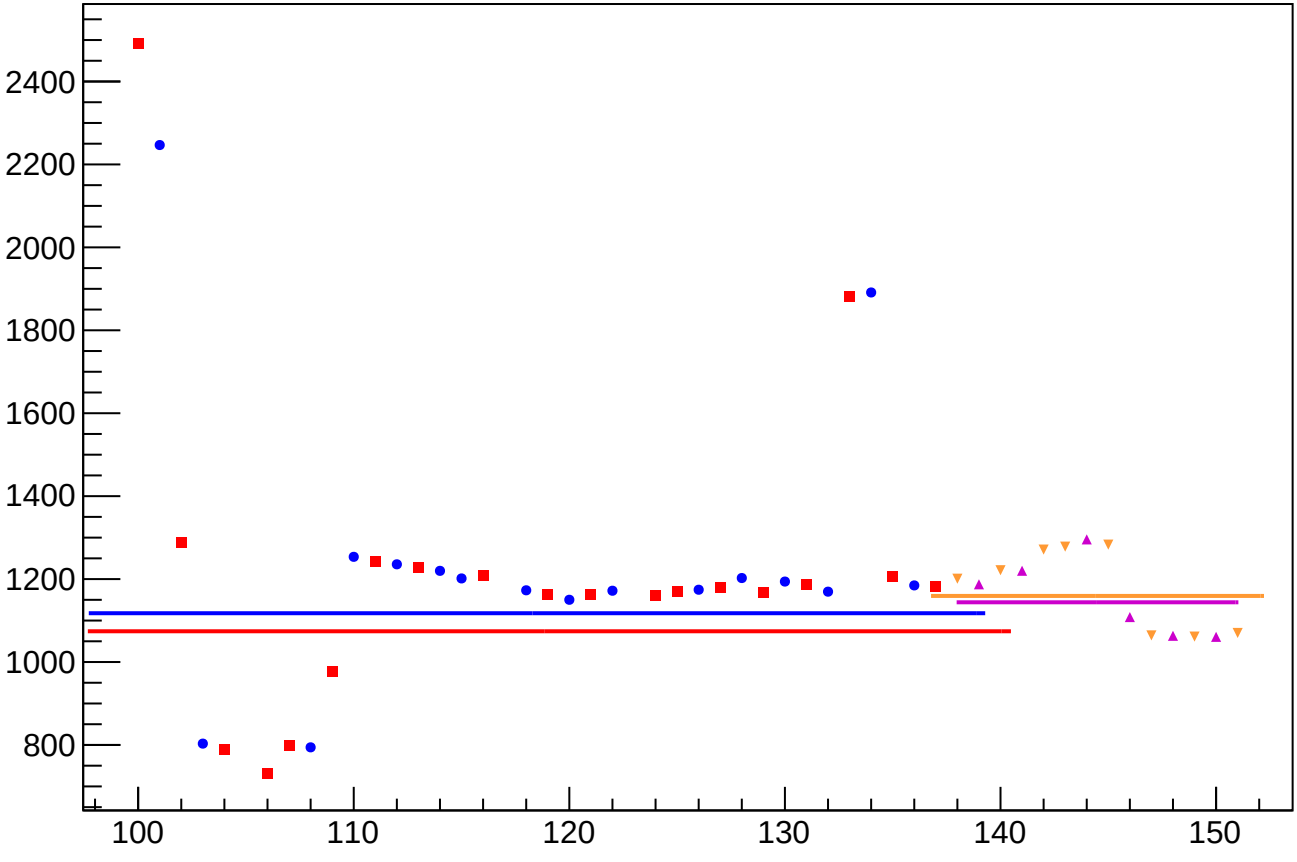
Left In: 684.495+/-499.605 χ^2/NDF:2.1/5

+ sign 65.674+/-315.340 χ^2/NDF: 32.7/23

All: 204.423+/-223.774 χ^2/NDF: 49.0/48

- sign 345.169+/-317.601 χ^2/NDF: 16.0/24

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1159.396+/-0.330 χ^2/NDF:81481.4/7

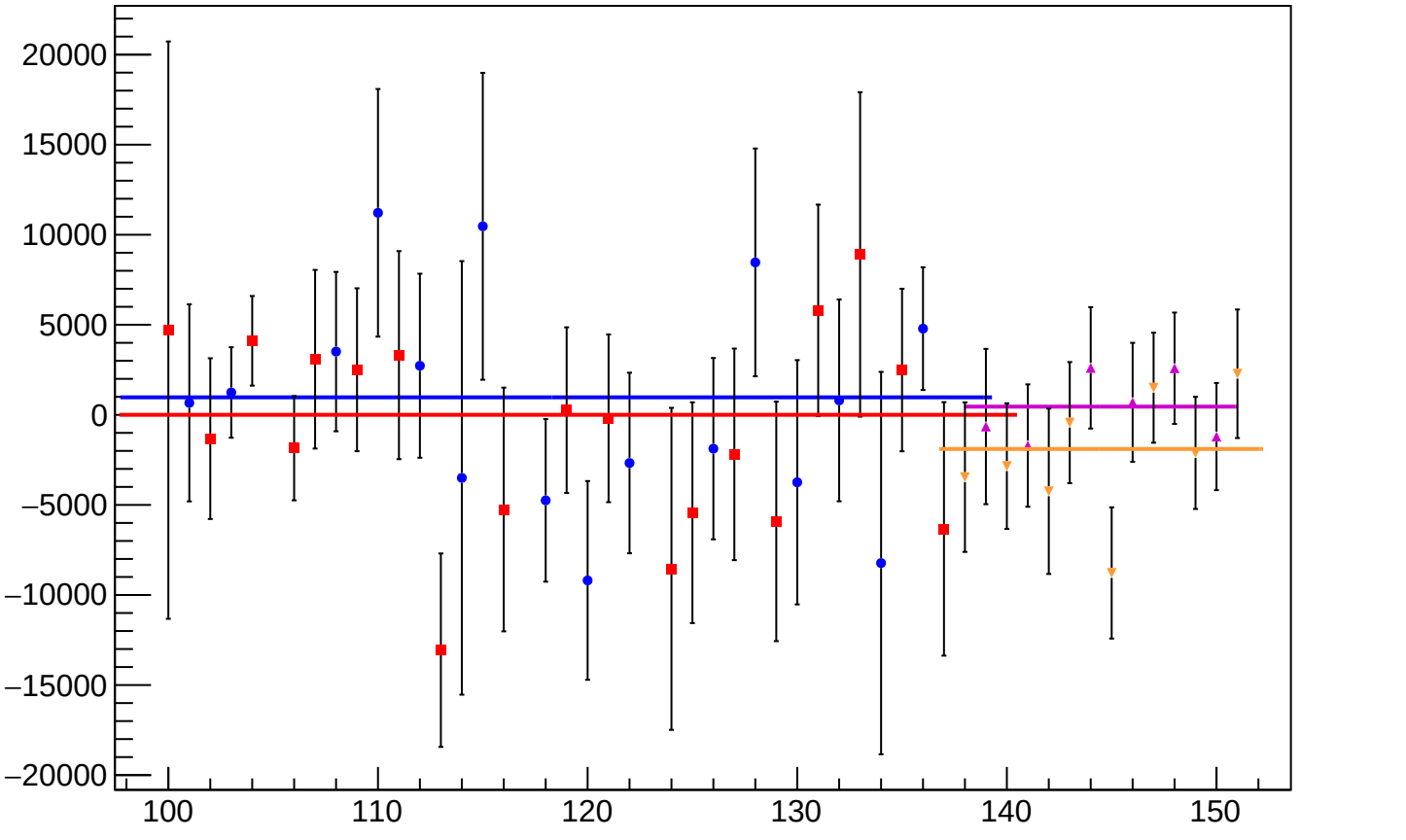
Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1144.034+/-0.353 χ^2/NDF:56466.8/5

+ sign 1136.687+/-0.223 χ^2/NDF: 909996.1/23

All: 1119.437+/-0.158 χ^2/NDF: 1651443.7/48

- sign 1102.111+/-0.223 χ^2/NDF: 729451.1/24



Right In: 973.755+/-1232.754 χ^2/NDF: 13.8/15

Left Out: -1892.582+/-1249.369 χ^2/NDF:6.9/7

Right Out: 2.885+/-1113.897 χ^2/NDF: 16.6/18

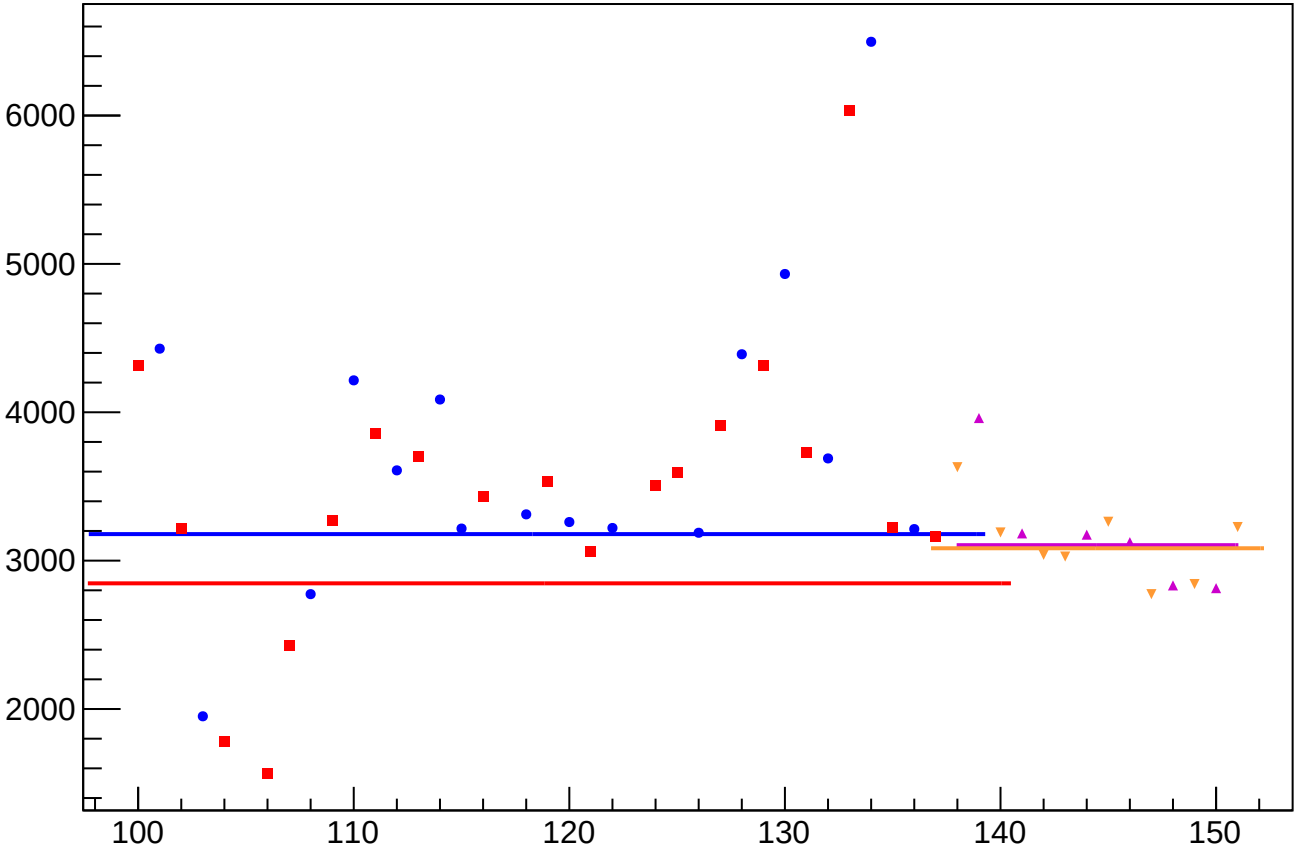
Left In: 457.315+/-1363.515 χ^2/NDF:1.7/5

+ sign -440.227+/-877.504 χ^2/NDF: 23.3/23

All: -122.388+/-615.166 χ^2/NDF: 41.9/48

- sign 184.773+/-862.637 χ^2/NDF: 18.3/24

asym_usr_atr2_dd_reg_correction_rms vs Slug



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3083.454+/-0.883 χ^2/NDF:77827.7/7

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

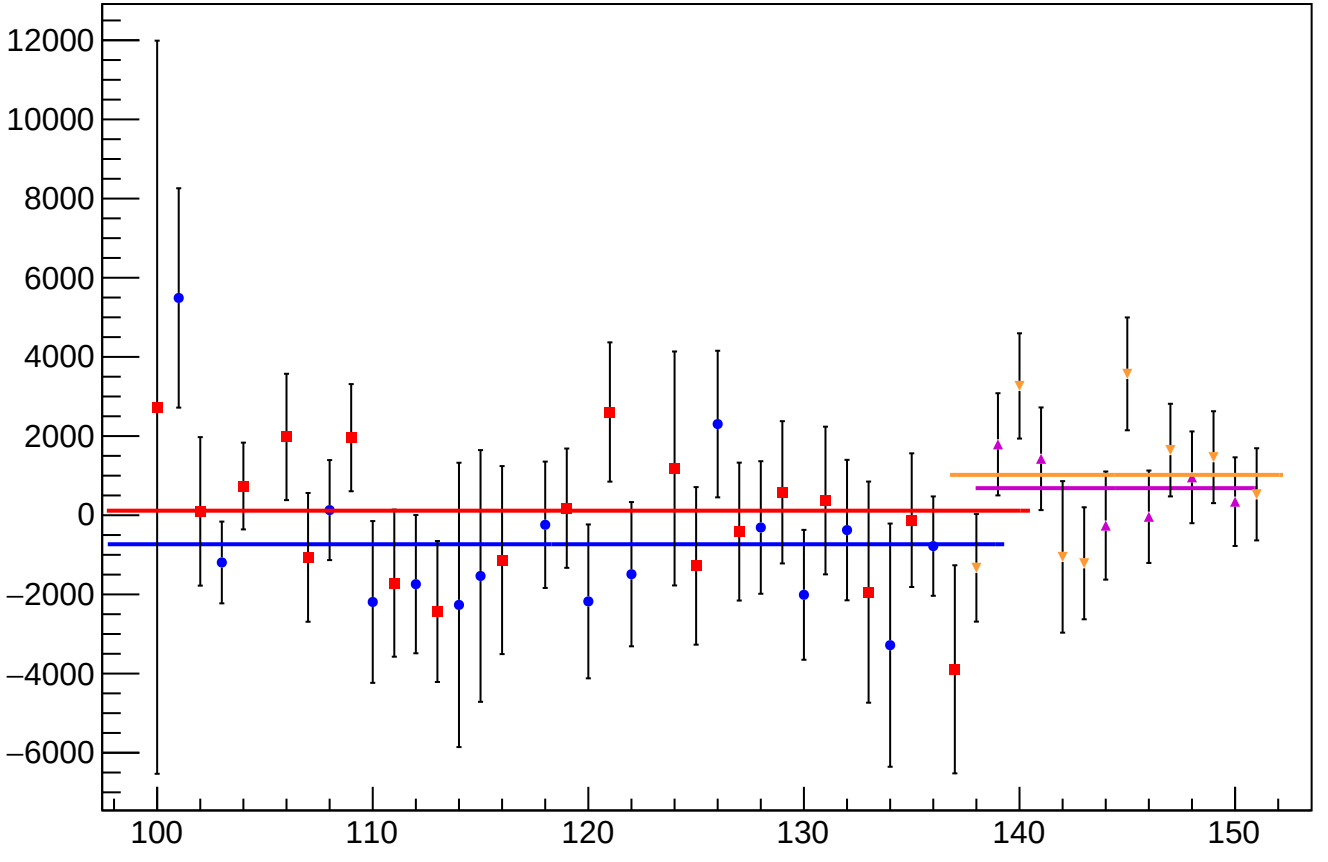
Left In: 3104.296+/-0.964 χ^2/NDF:115398.9/5

+ sign 3131.801+/-0.620 χ^2/NDF: 1175415.2/23

All: 3039.344+/-0.435 χ^2/NDF: 2888340.8/48

- sign 2949.993+/-0.610 χ^2/NDF: 1669265.7/24

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 1019.777+/-467.185 χ^2/NDF:13.3/7

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

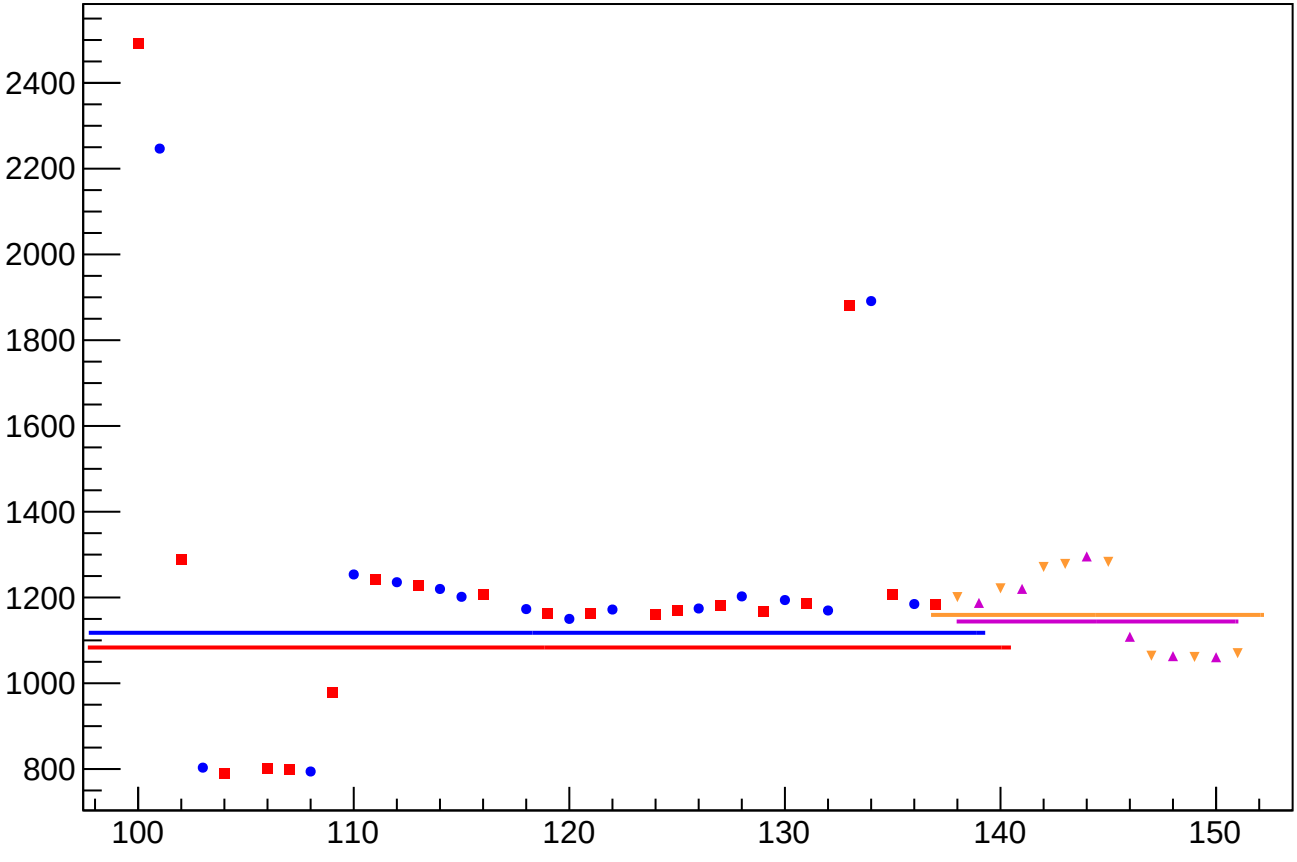
Left In: 684.525+/-499.605 χ^2/NDF:2.1/5

+ sign 65.733+/-315.340 χ^2/NDF: 32.7/23

All: 204.538+/-223.775 χ^2/NDF: 49.1/48

- sign 345.343+/-317.603 χ^2/NDF: 16.0/24

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1159.396+/-0.330 χ^2/NDF:81481.4/7

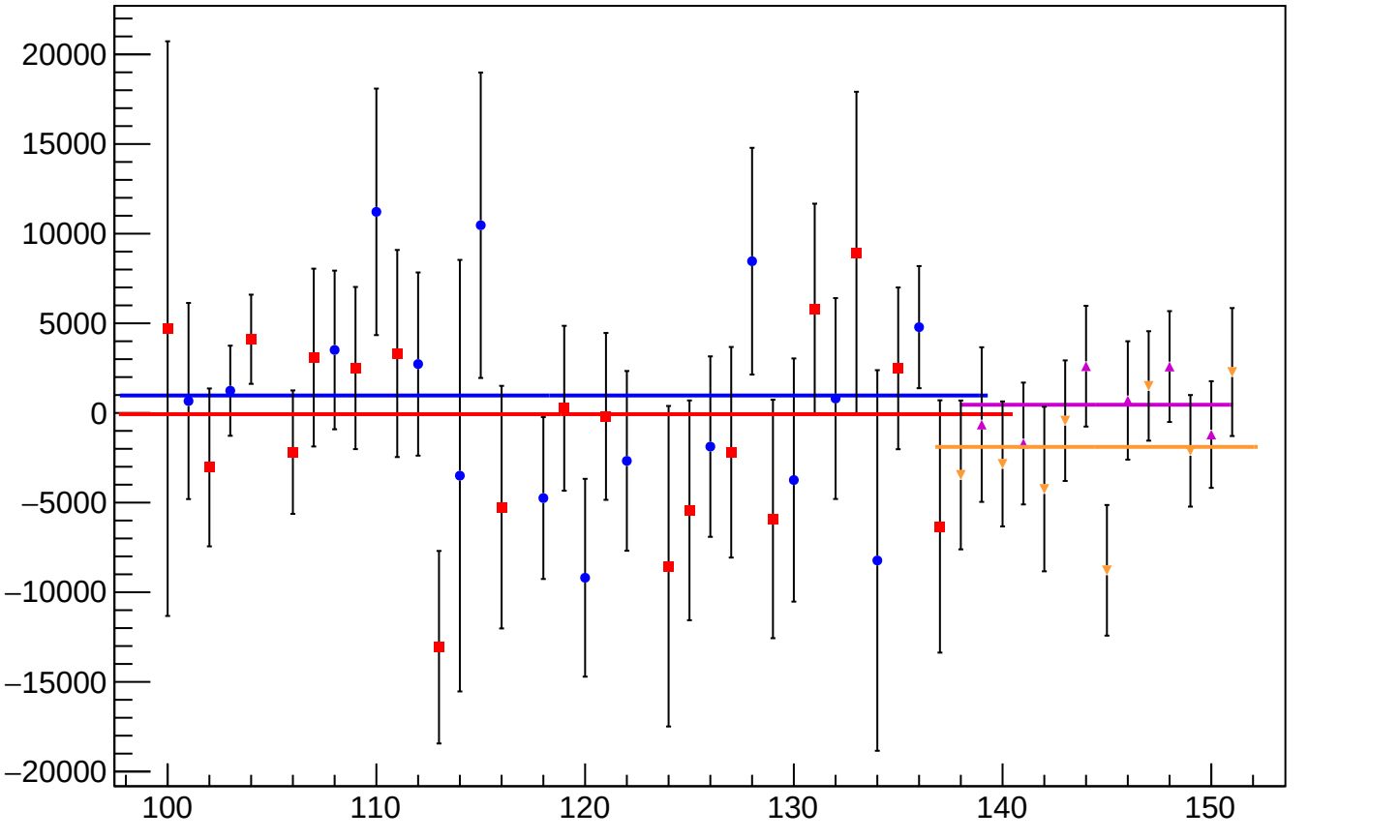
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1144.034+/-0.353 χ^2/NDF:56466.8/5

+ sign 1136.688+/-0.223 χ^2/NDF: 909992.4/23

All: 1122.360+/-0.158 χ^2/NDF: 1587351.6/48

- sign 1107.860+/-0.224 χ^2/NDF: 669052.1/24



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -1892.577+/-1249.367 χ^2/NDF:6.9/7

Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

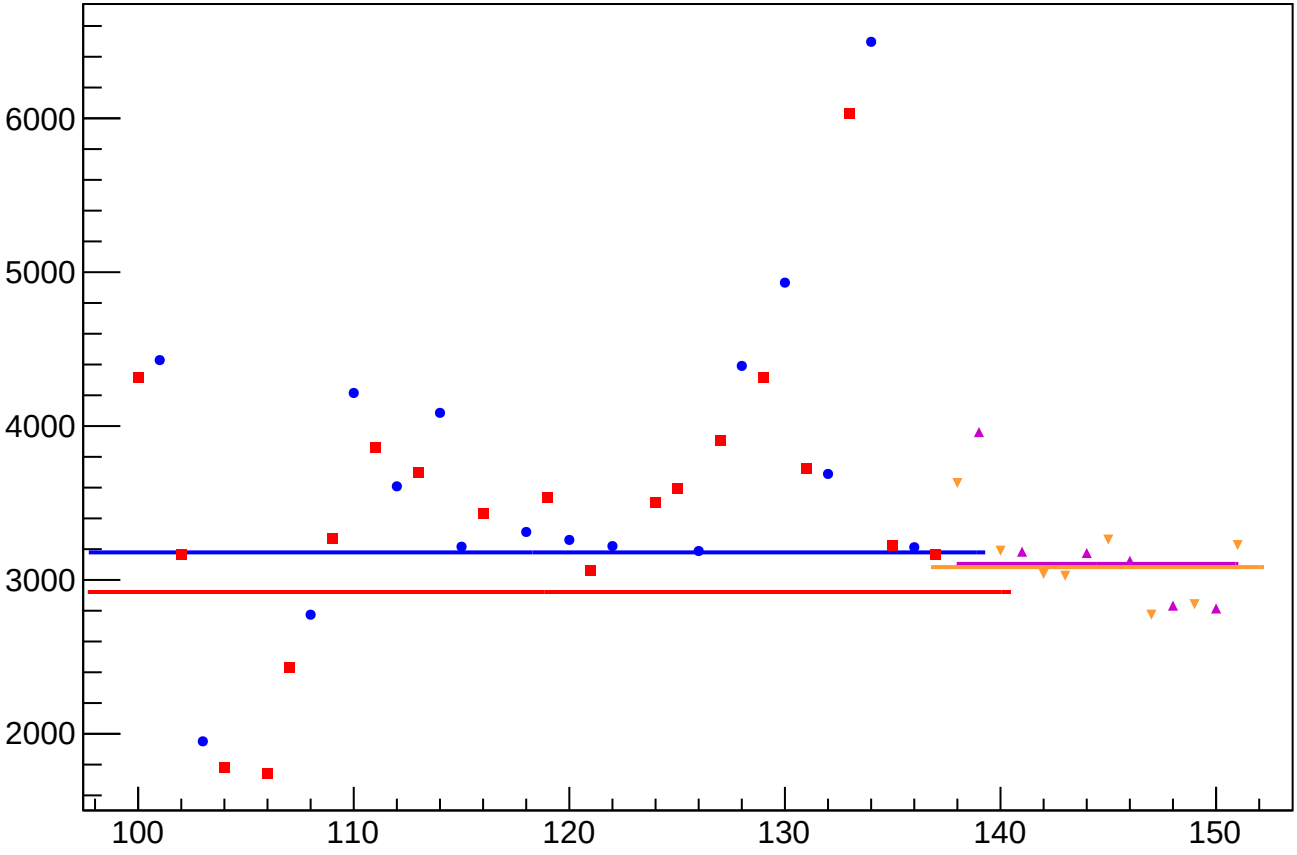
Left In: 457.346+/-1363.514 χ^2/NDF:1.7/5

+ sign -440.537+/-877.521 χ^2/NDF: 23.3/23

All: -144.867+/-619.124 χ^2/NDF: 42.2/48

- sign 148.193+/-873.639 χ^2/NDF: 18.7/24

asym_usr_atr2_dd_cor_correction_rms vs Slug



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3083.449+/-0.883 χ^2/NDF:77828.0/7

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

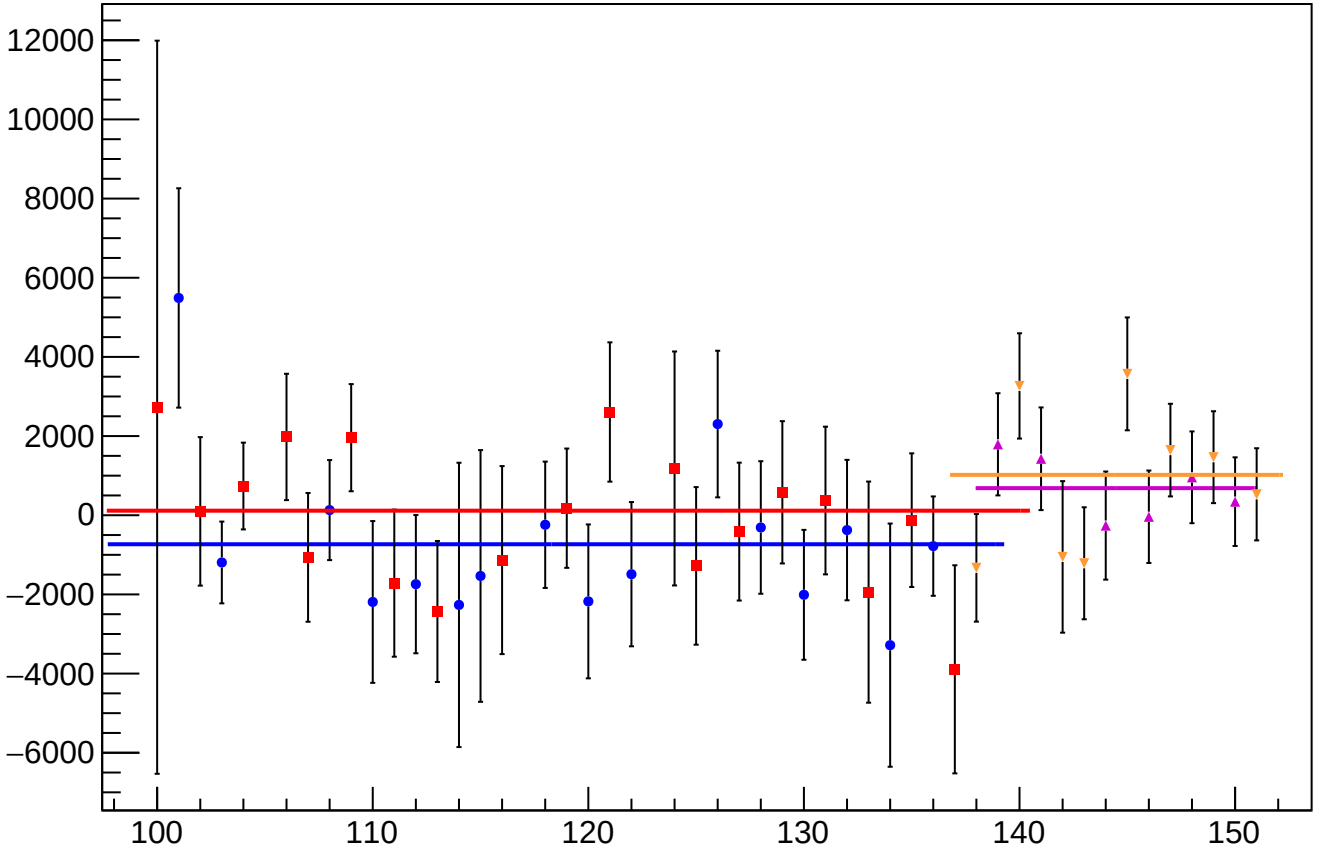
Left In: 3104.294+/-0.964 χ^2/NDF:115398.7/5

+ sign 3131.889+/-0.621 χ^2/NDF: 1174998.4/23

All: 3063.958+/-0.438 χ^2/NDF: 2648308.5/48

- sign 2996.625+/-0.618 χ^2/NDF: 1449444.5/24

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 1019.777+/-467.185 χ^2/NDF:13.3/7

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

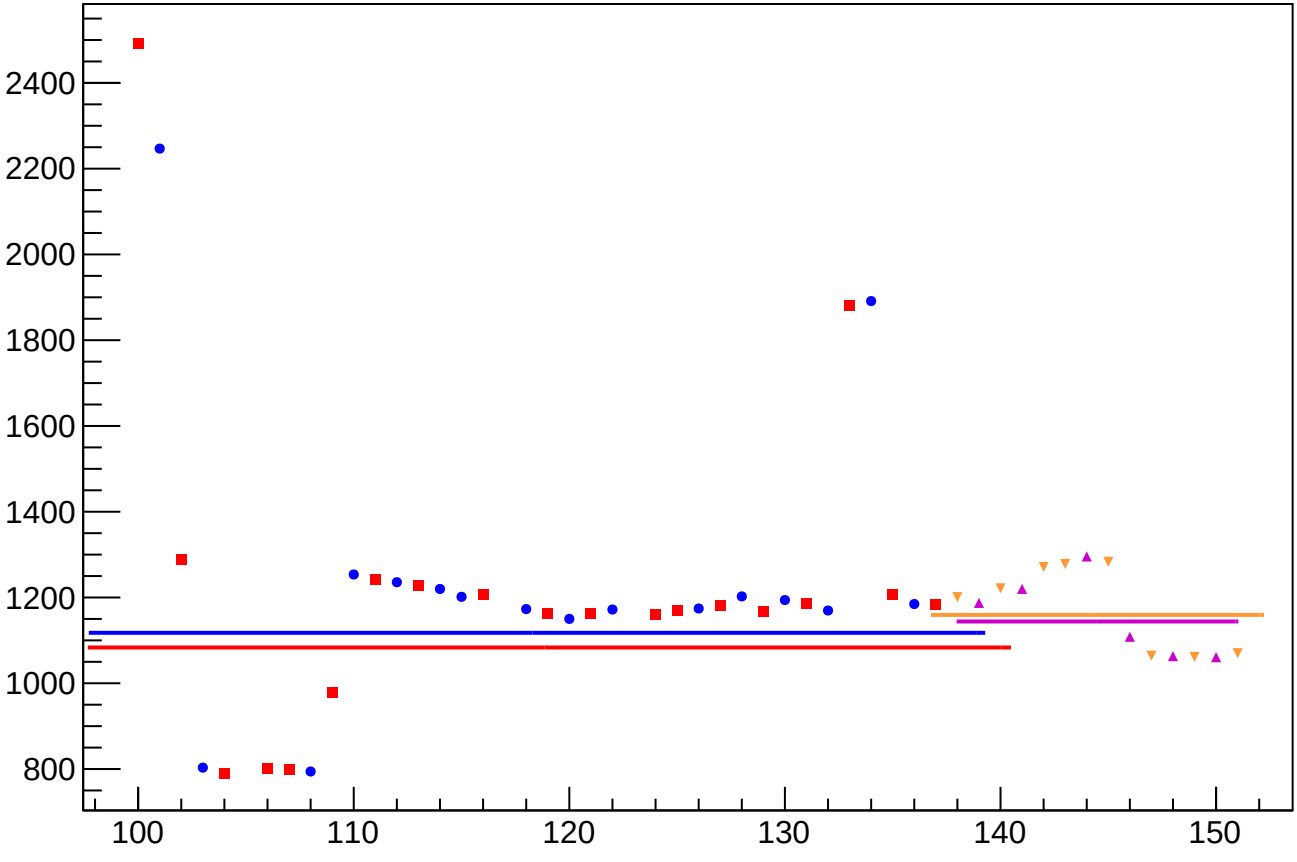
Left In: 684.525+/-499.605 χ^2/NDF:2.1/5

+ sign 65.733+/-315.340 χ^2/NDF: 32.7/23

All: 204.538+/-223.775 χ^2/NDF: 49.1/48

- sign 345.343+/-317.603 χ^2/NDF: 16.0/24

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1159.396+/-0.330 χ^2/NDF:81481.4/7

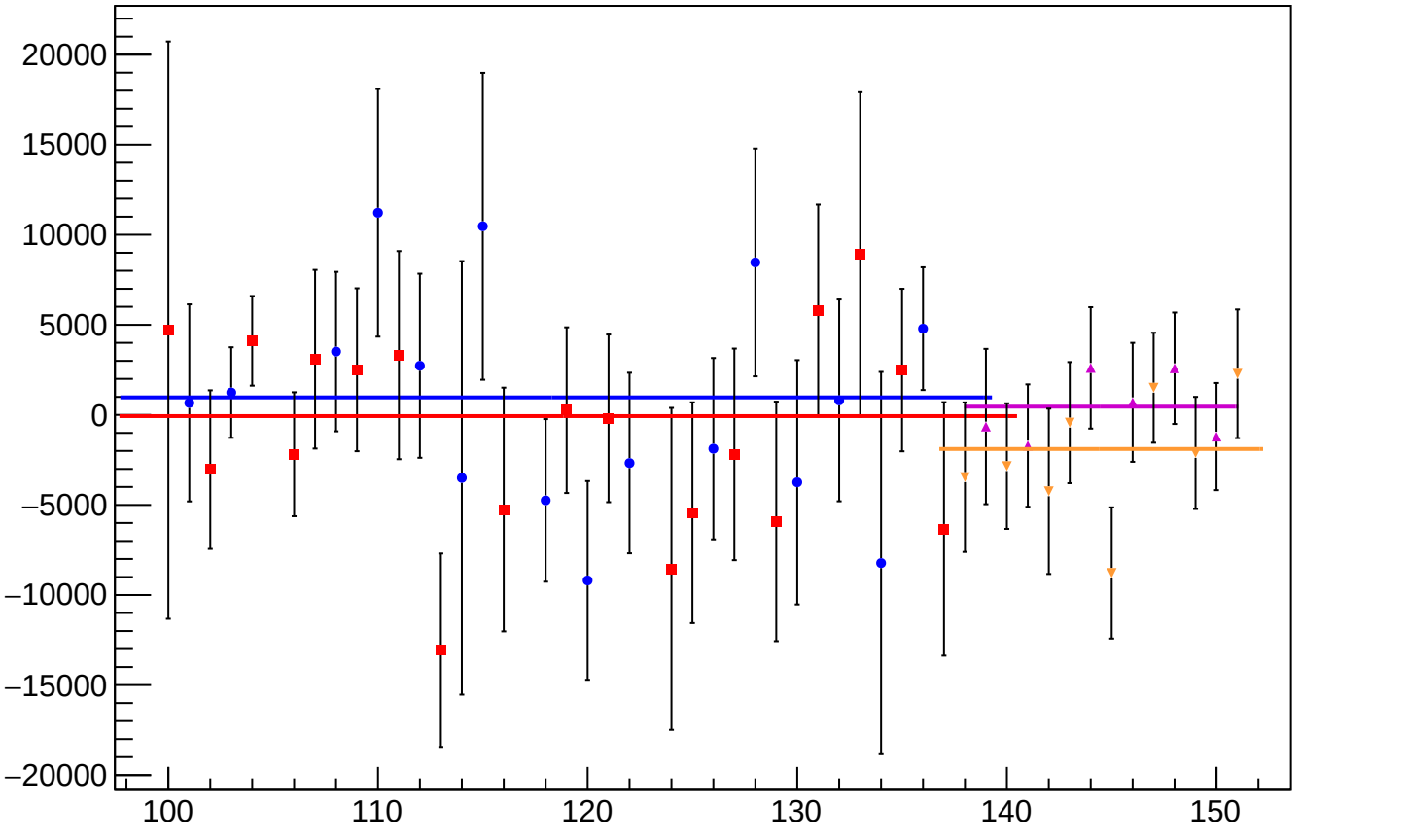
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1144.034+/-0.353 χ^2/NDF:56466.8/5

+ sign 1136.688+/-0.223 χ^2/NDF: 909992.4/23

All: 1122.360+/-0.158 χ^2/NDF: 1587351.6/48

- sign 1107.860+/-0.224 χ^2/NDF: 669052.1/24



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -1892.577+/-1249.367 χ^2/NDF:6.9/7

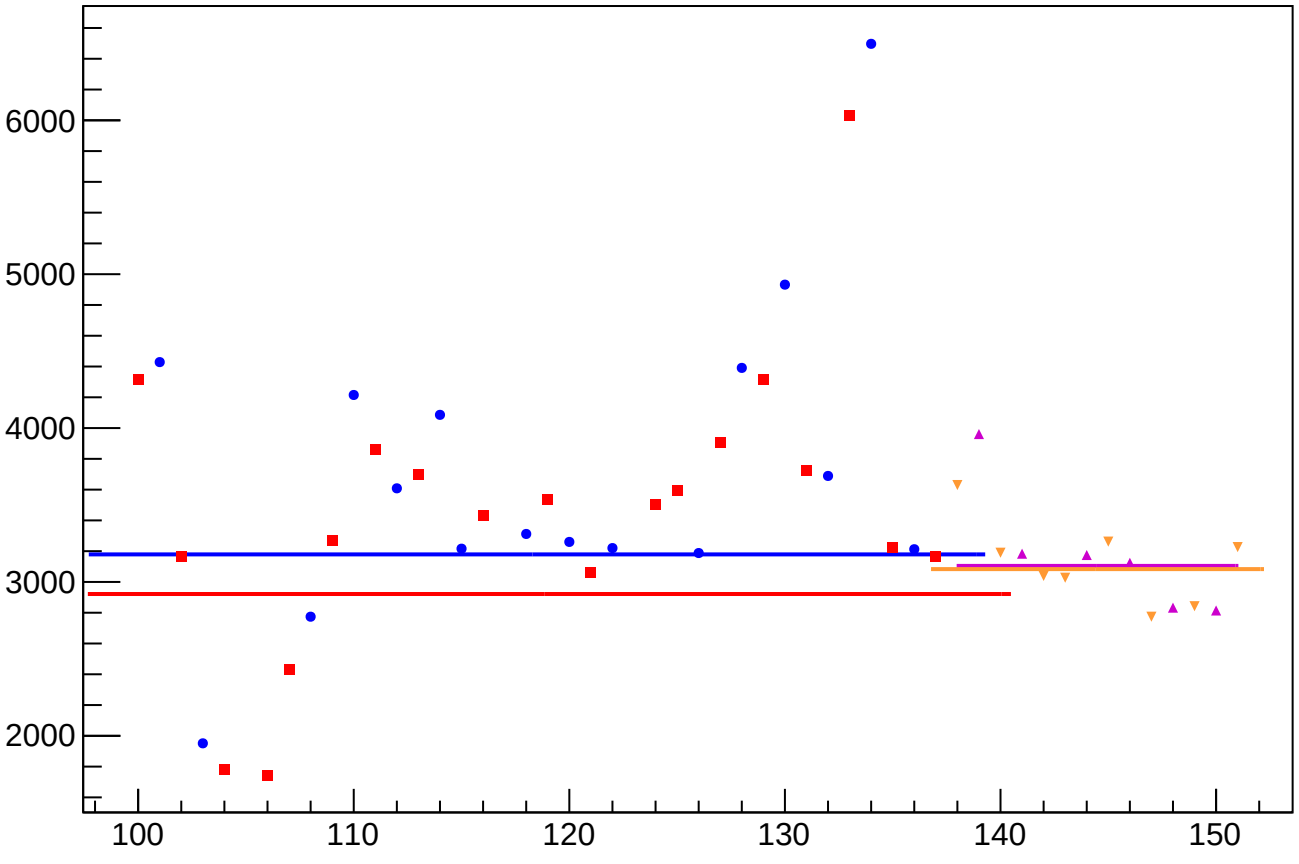
Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: 457.346+/-1363.514 χ^2/NDF:1.7/5

+ sign -440.537+/-877.521 χ^2/NDF: 23.3/23

All: -144.867+/-619.124 χ^2/NDF: 42.2/48

- sign 148.193+/-873.639 χ^2/NDF: 18.7/24



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3083.449+/-0.883 χ^2/NDF:77828.0/7

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

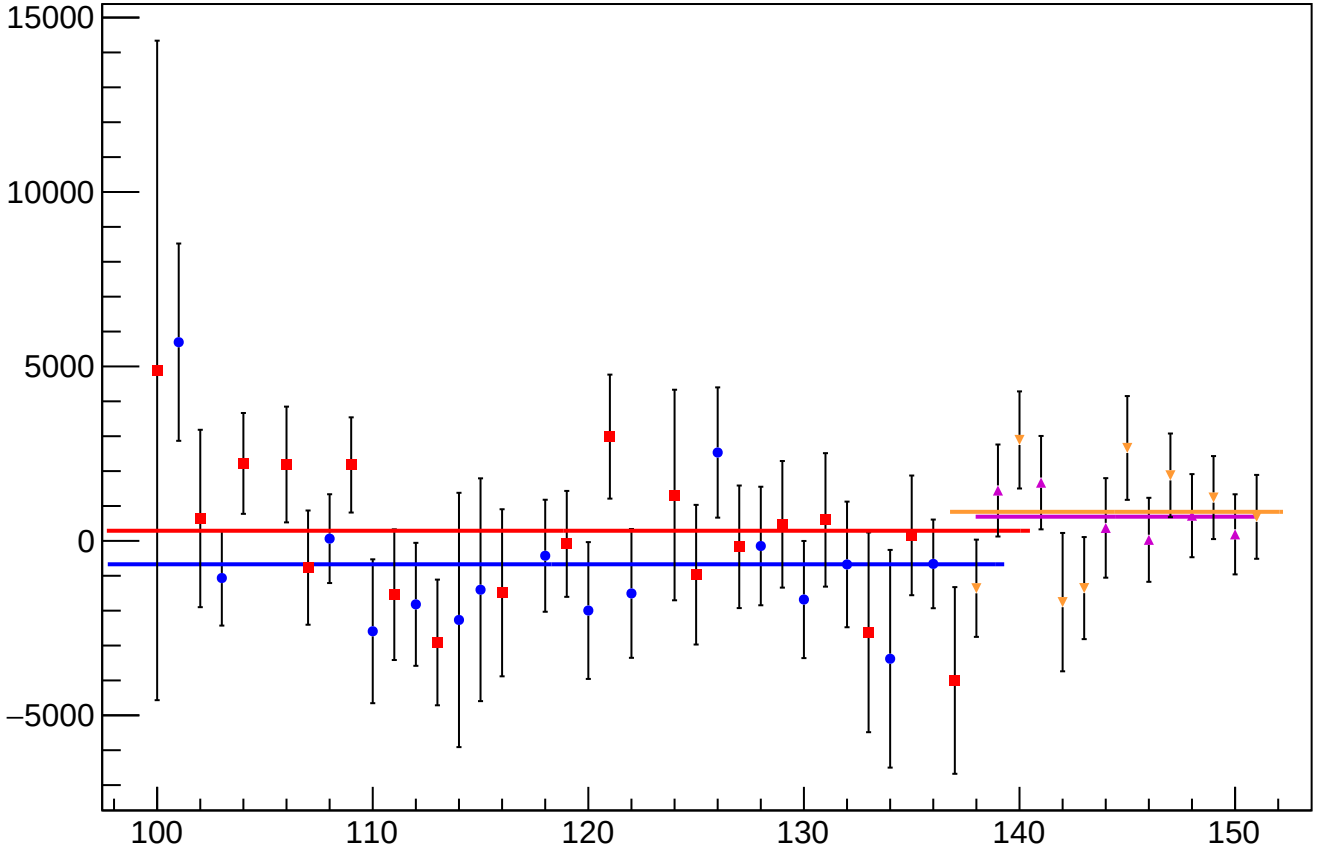
Left In: 3104.294+/-0.964 χ^2/NDF:115398.7/5

+ sign 3131.889+/-0.621 χ^2/NDF: 1174998.4/23

All: 3063.958+/-0.438 χ^2/NDF: 2648308.5/48

- sign 2996.625+/-0.618 χ^2/NDF: 1449444.5/24

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: 832.882+/-482.280 χ^2/NDF:11.0/7

Right Out: 290.311+/-434.425 χ^2/NDF: 16.9/18

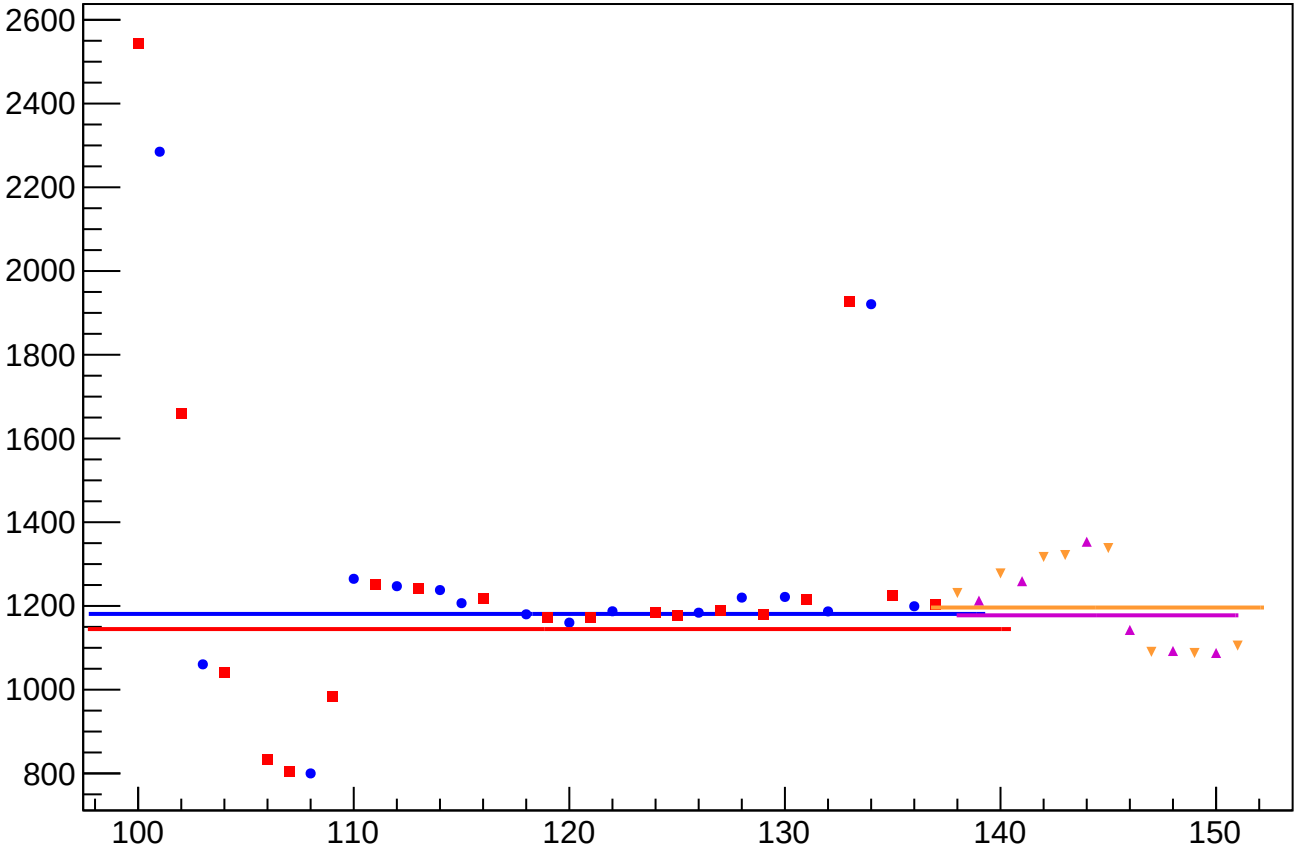
Left In: 692.846+/-514.475 χ^2/NDF:1.4/5

+ sign 26.530+/-328.431 χ^2/NDF: 28.1/23

All: 239.916+/-233.460 χ^2/NDF: 47.6/48

- sign 457.860+/-331.920 χ^2/NDF: 18.7/24

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1196.241+/-0.341 χ^2/NDF:92137.6/7

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

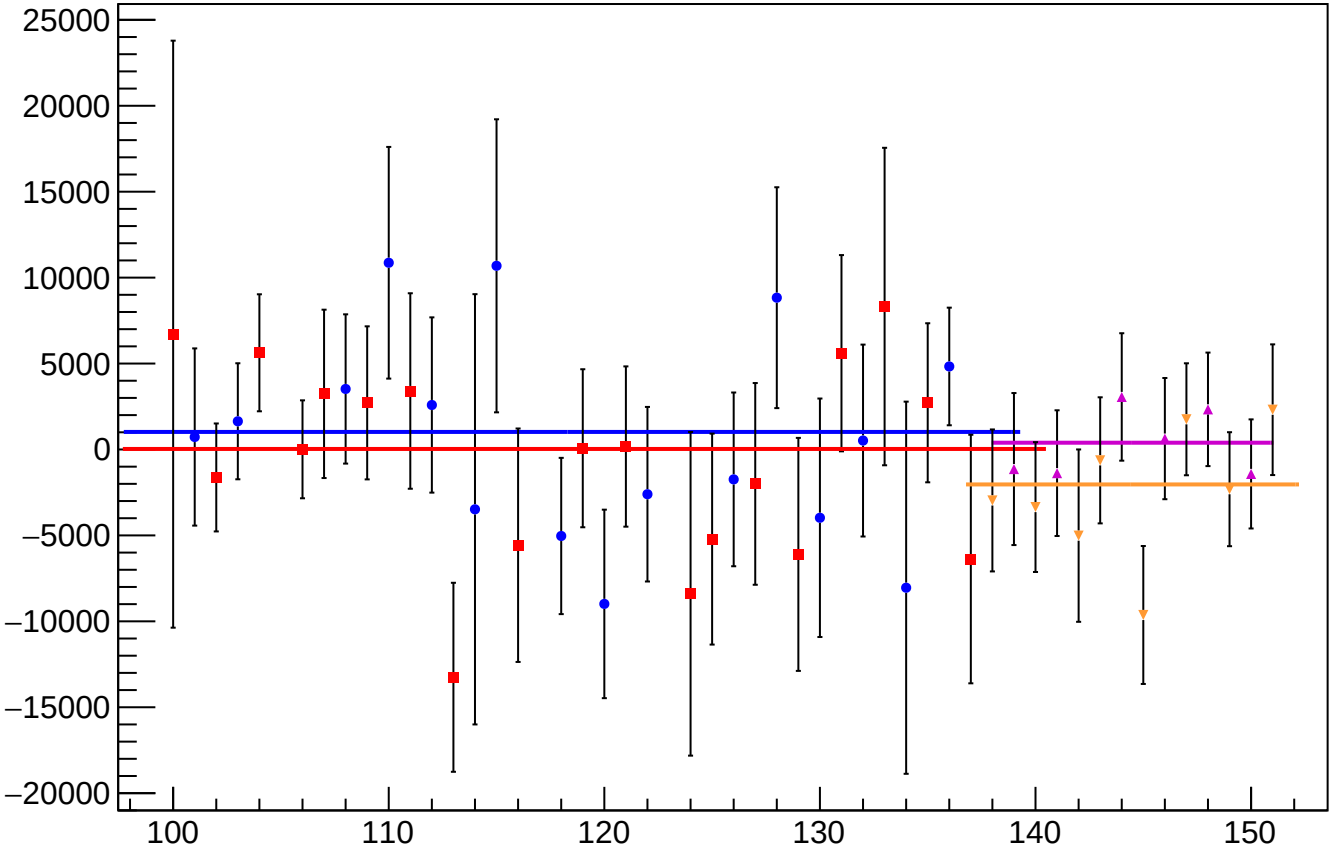
Left In: 1177.603+/-0.364 χ^2/NDF:63382.2/5

+ sign 1188.044+/-0.232 χ^2/NDF: 715093.6/23

All: 1173.391+/-0.165 χ^2/NDF: 1289006.6/48

- sign 1158.433+/-0.235 χ^2/NDF: 565867.9/24

asym_usr_atr2_dd_dit_correction_mean vs Slug



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -2034.271+/-1337.331 χ^2/NDF:6.9/7

Right Out: 30.135+/-1130.743 χ^2/NDF: 16.1/18

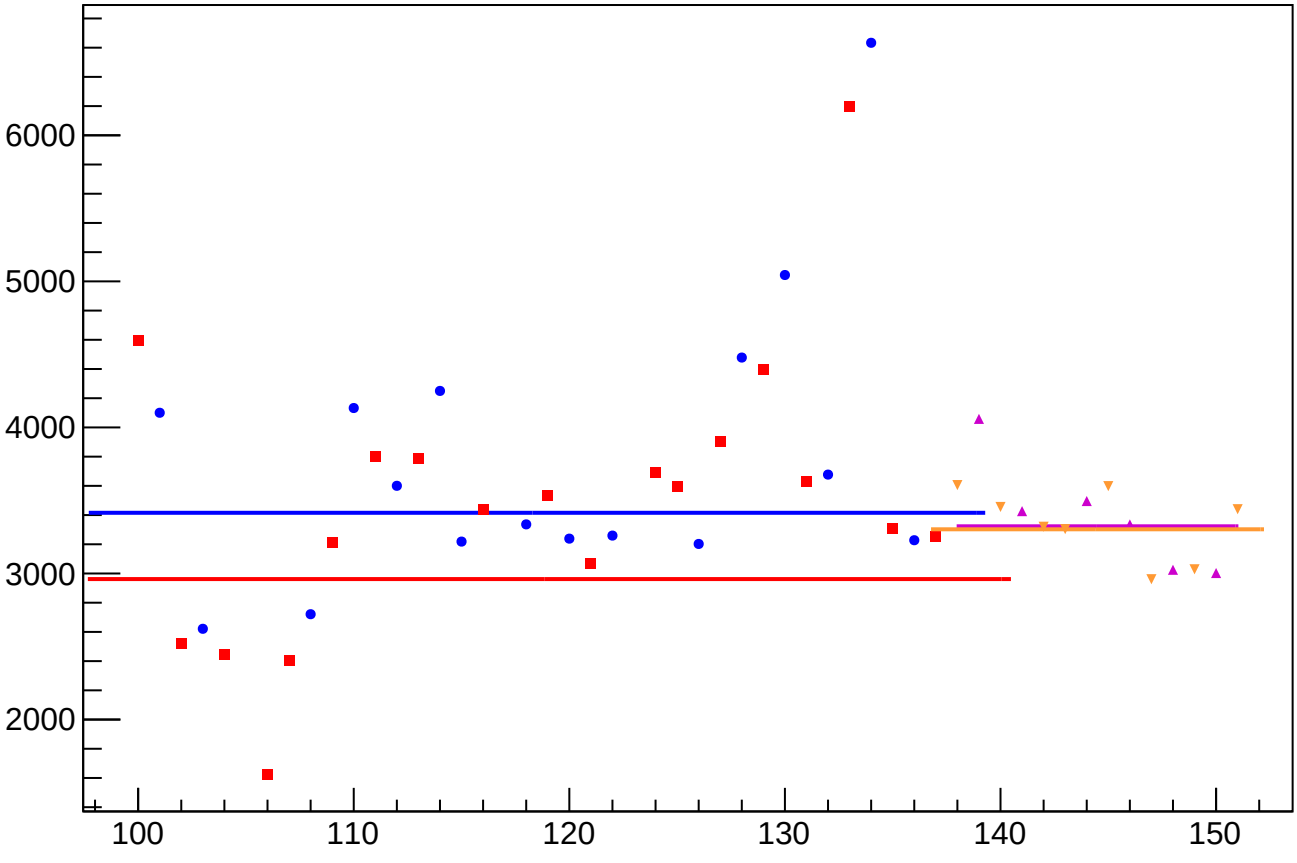
Left In: 393.360+/-1458.721 χ^2/NDF:1.5/5

+ sign -466.225+/-933.052 χ^2/NDF: 23.5/23

All: -136.250+/-645.400 χ^2/NDF: 41.4/48

- sign 166.469+/-893.687 χ^2/NDF: 17.7/24

asym_usr_atr2_dd_dit_correction_rms vs Slug



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3302.554+/-0.946 χ^2/NDF:63152.4/7

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

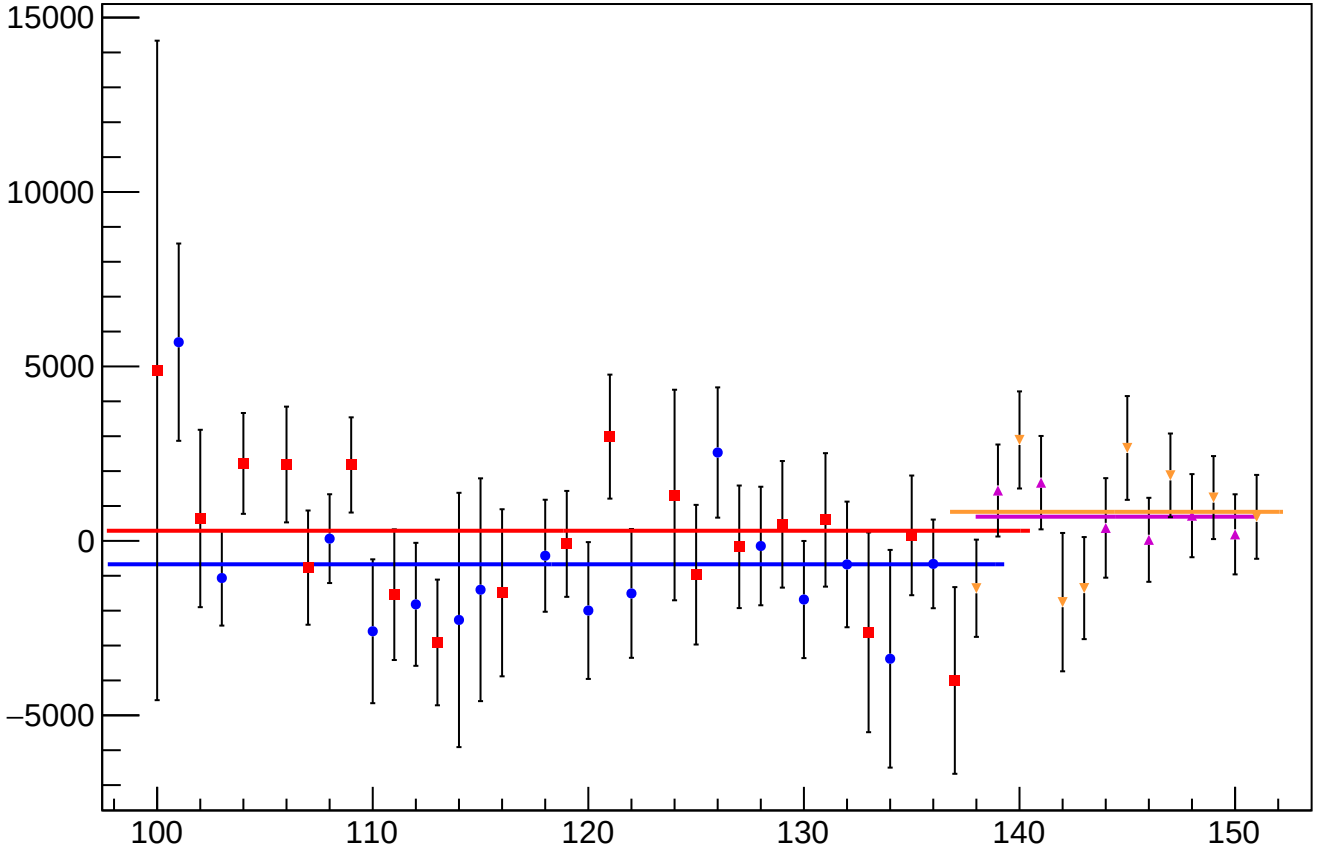
Left In: 3323.037+/-1.031 χ^2/NDF:97863.7/5

\+ sign 3360.569+/-0.660 χ^2/NDF: 662830.1/23

All: 3223.308+/-0.456 χ^2/NDF: 2089555.8/48

\- sign 3097.386+/-0.632 χ^2/NDF: 1343736.7/24

eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: 832.884+/-482.281 χ^2/NDF:11.0/7

Right Out: 290.316+/-434.425 χ^2/NDF: 16.9/18

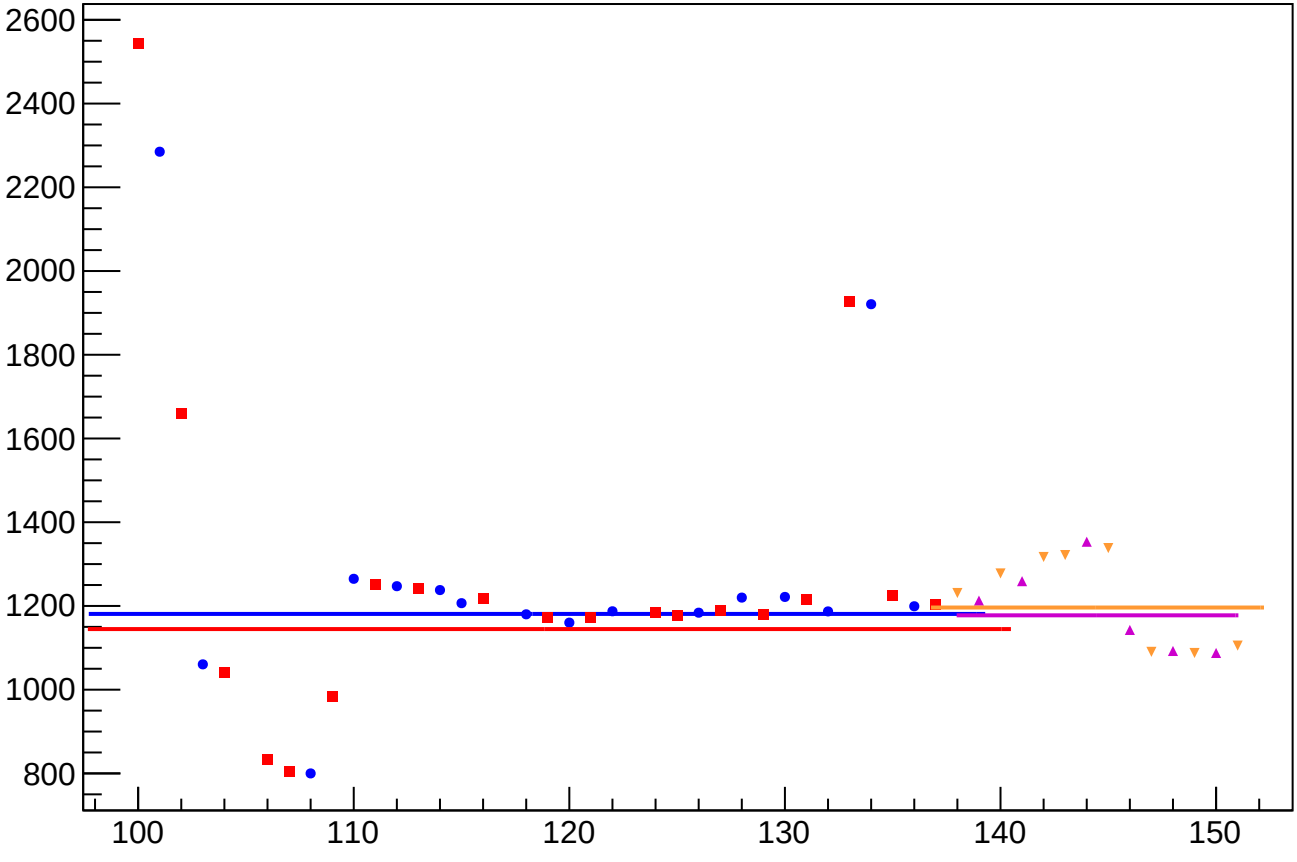
Left In: 692.844+/-514.476 χ^2/NDF:1.4/5

+ sign 26.528+/-328.431 χ^2/NDF: 28.1/23

All: 239.916+/-233.460 χ^2/NDF: 47.6/48

- sign 457.862+/-331.920 χ^2/NDF: 18.7/24

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1196.242+/-0.341 χ^2/NDF:92137.7/7

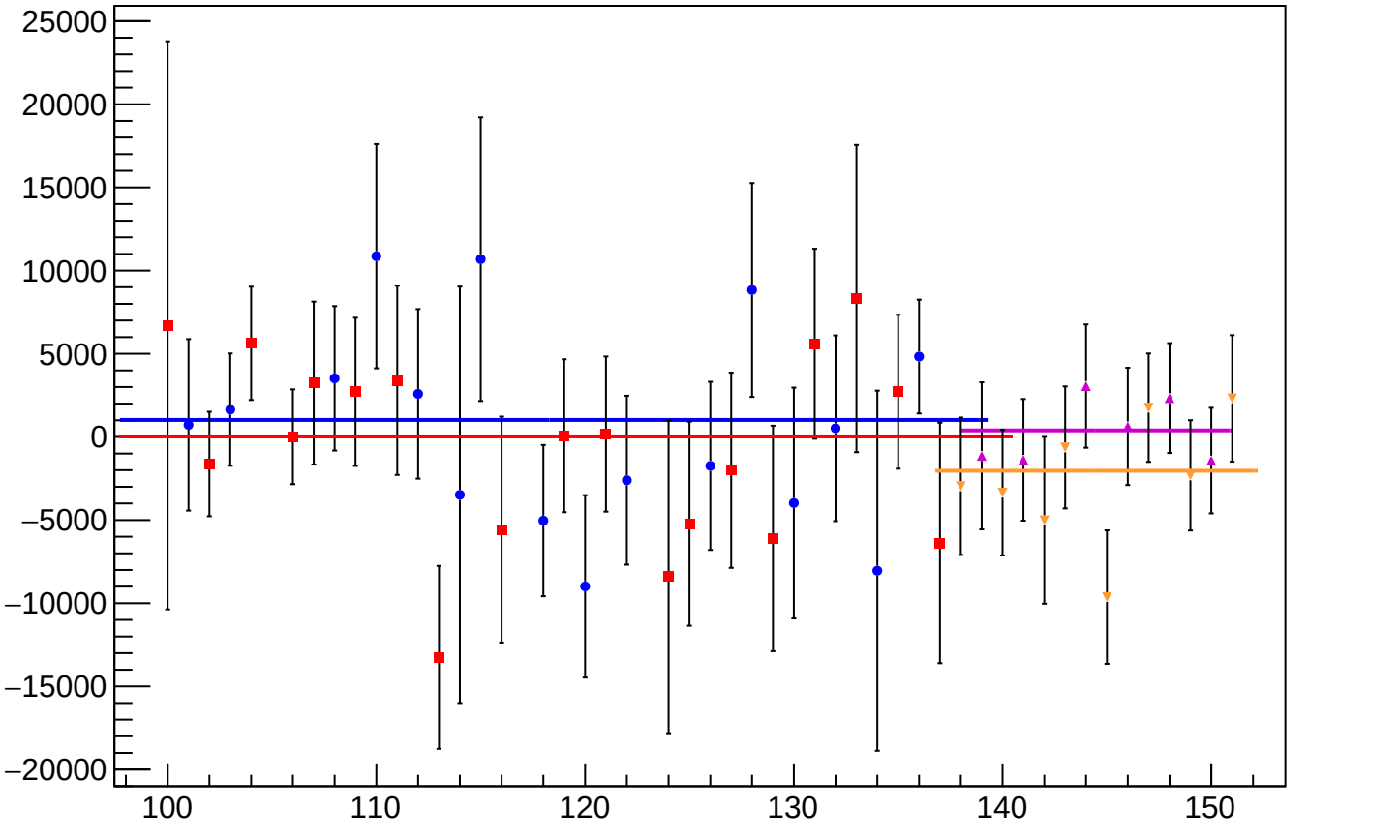
Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1177.604+/-0.364 χ^2/NDF:63381.6/5

+ sign 1188.044+/-0.232 χ^2/NDF: 715094.1/23

All: 1173.391+/-0.165 χ^2/NDF: 1289006.0/48

- sign 1158.433+/-0.235 χ^2/NDF: 565867.0/24



Right In: 1021.029+/-1302.430 χ^2/NDF: 13.9/15

Left Out: -2034.272+/-1337.333 χ^2/NDF:6.9/7

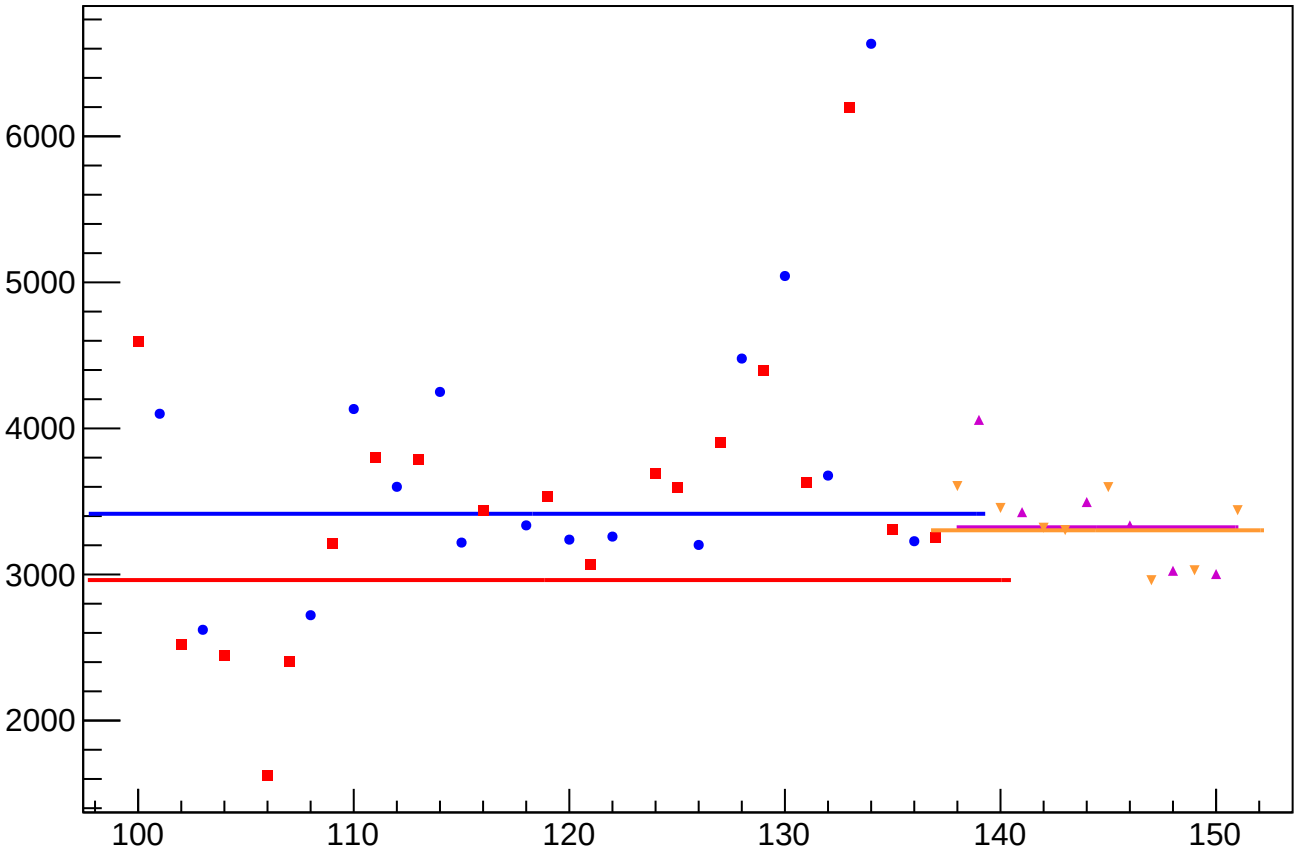
Right Out: 30.142+/-1130.741 χ^2/NDF: 16.1/18

Left In: 393.355+/-1458.723 χ^2/NDF:1.5/5

+ sign -466.231+/-933.052 χ^2/NDF: 23.5/23

All: -136.252+/-645.400 χ^2/NDF: 41.4/48

- sign 166.470+/-893.686 χ^2/NDF: 17.7/24



Right In: 3415.591+/-0.921 χ^2/NDF: 592339.1/15

Left Out: 3302.558+/-0.946 χ^2/NDF:63151.9/7

Right Out: 2961.793+/-0.800 χ^2/NDF: 1169257.0/18

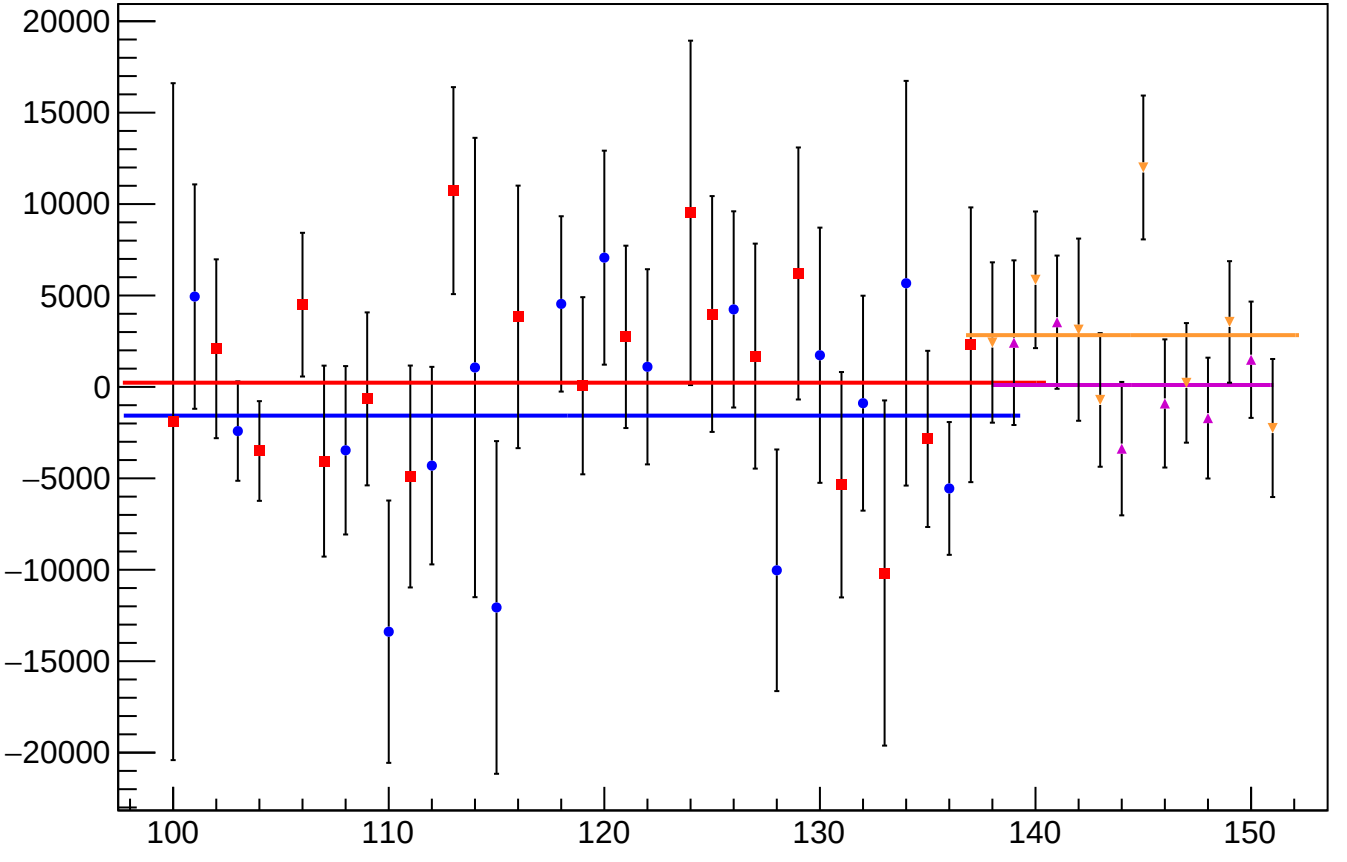
Left In: 3323.041+/-1.031 χ^2/NDF:97863.1/5

+ sign 3360.569+/-0.660 χ^2/NDF: 662823.7/23

All: 3223.308+/-0.456 χ^2/NDF: 2089553.8/48

- sign 3097.384+/-0.632 χ^2/NDF: 1343739.7/24

asym_usr_atr2_dd_mean vs Slug



Right In: -1569.809+/-1312.937 χ^2/NDF: 14.5/15

Left Out: 2831.743+/-1339.153 χ^2/NDF:9.5/7

Right Out: 231.125+/-1224.318 χ^2/NDF: 13.2/18

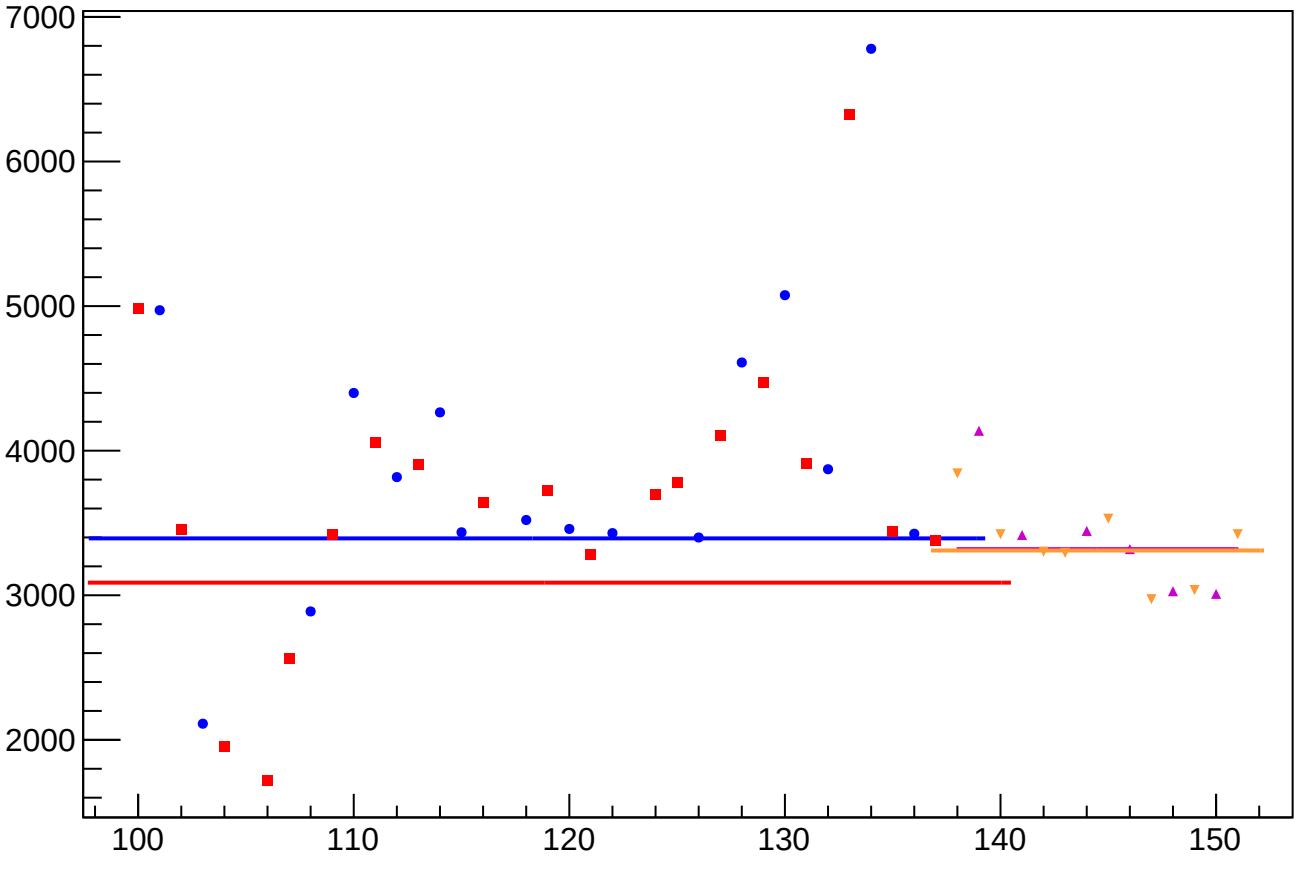
Left In: 105.172+/-1456.078 χ^2/NDF:2.6/5

+ sign 587.463+/-937.518 χ^2/NDF: 29.5/23

All: 383.116+/-662.771 χ^2/NDF: 45.5/48

- sign 178.958+/-937.082 χ^2/NDF: 15.9/24

asym_usr_atr2_dd_rms vs Slug



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3309.714+/-0.947 χ^2/NDF:74263.4/7

Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

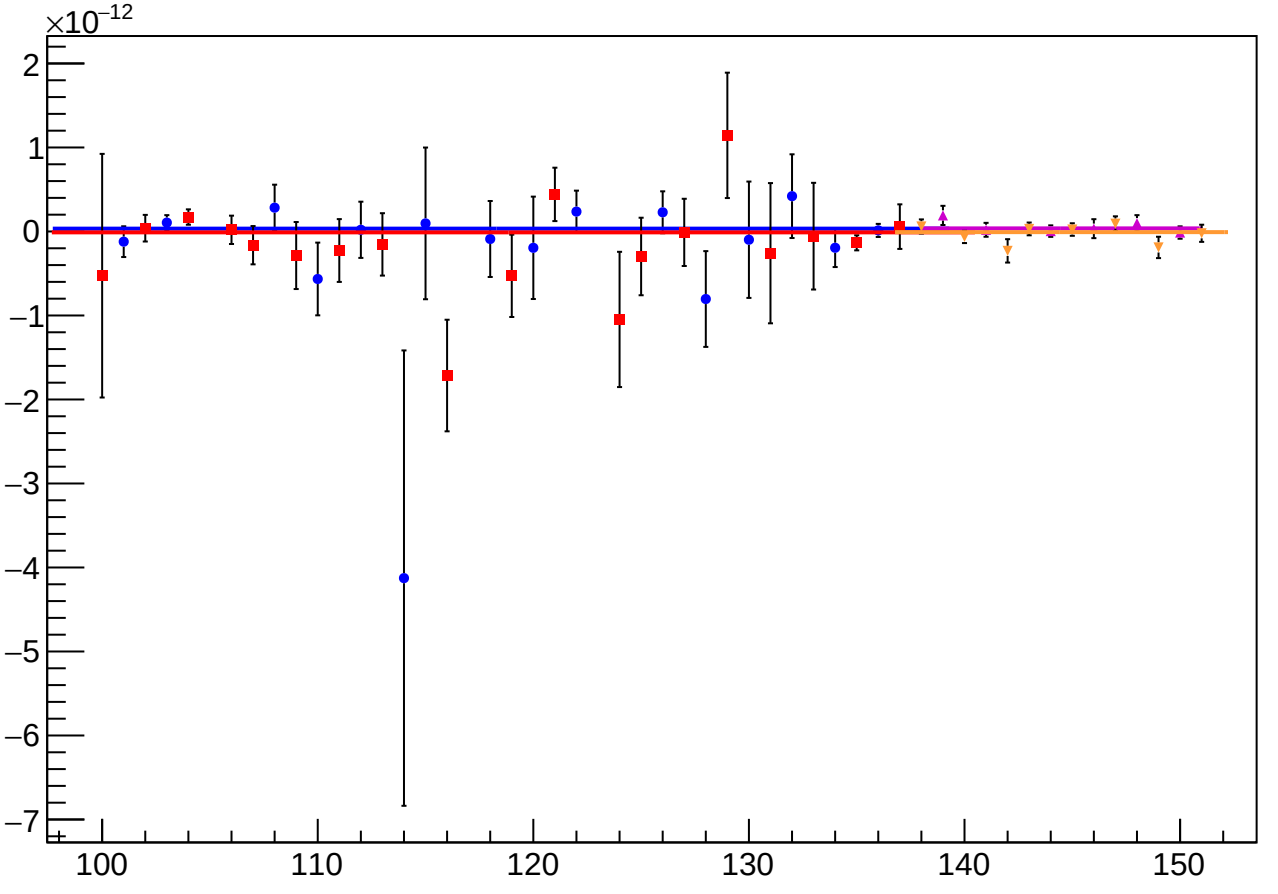
Left In: 3319.160+/-1.030 χ^2/NDF:104370.3/5

+ sign 3352.366+/-0.663 χ^2/NDF: 1126950.1/23

All: 3266.012+/-0.466 χ^2/NDF: 2623383.7/48

- sign 3181.440+/-0.656 χ^2/NDF: 1462847.3/24

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:7.7/7

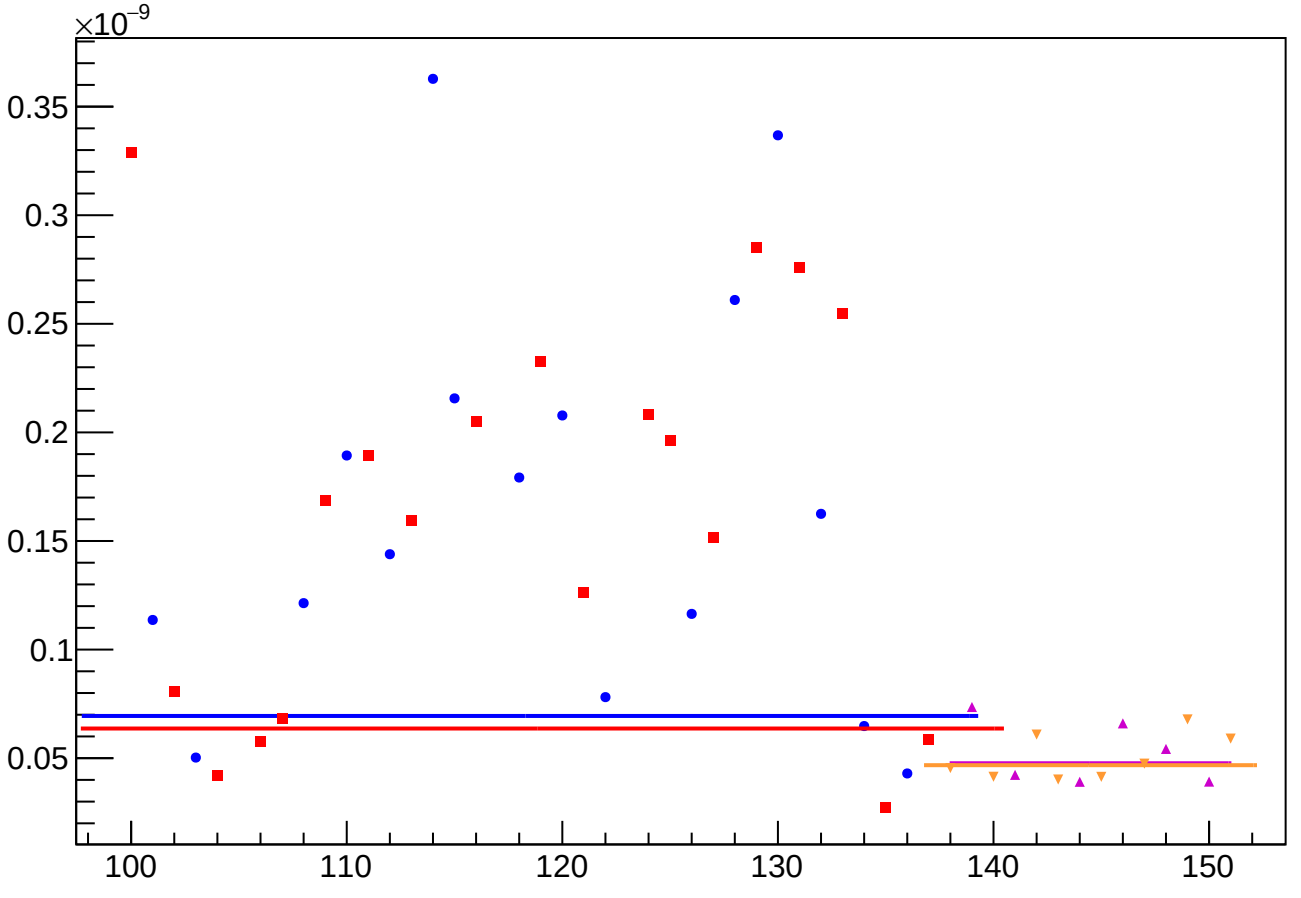
Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/18

Left In: 0.000+/-0.000 χ^2/NDF:3.0/5

+ sign 0.000+/-0.000 χ^2/NDF: 20.0/23

All: 0.000+/-0.000 χ^2/NDF: 45.6/48

- sign 0.000+/-0.000 χ^2/NDF: 25.5/24



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:140998.9/7

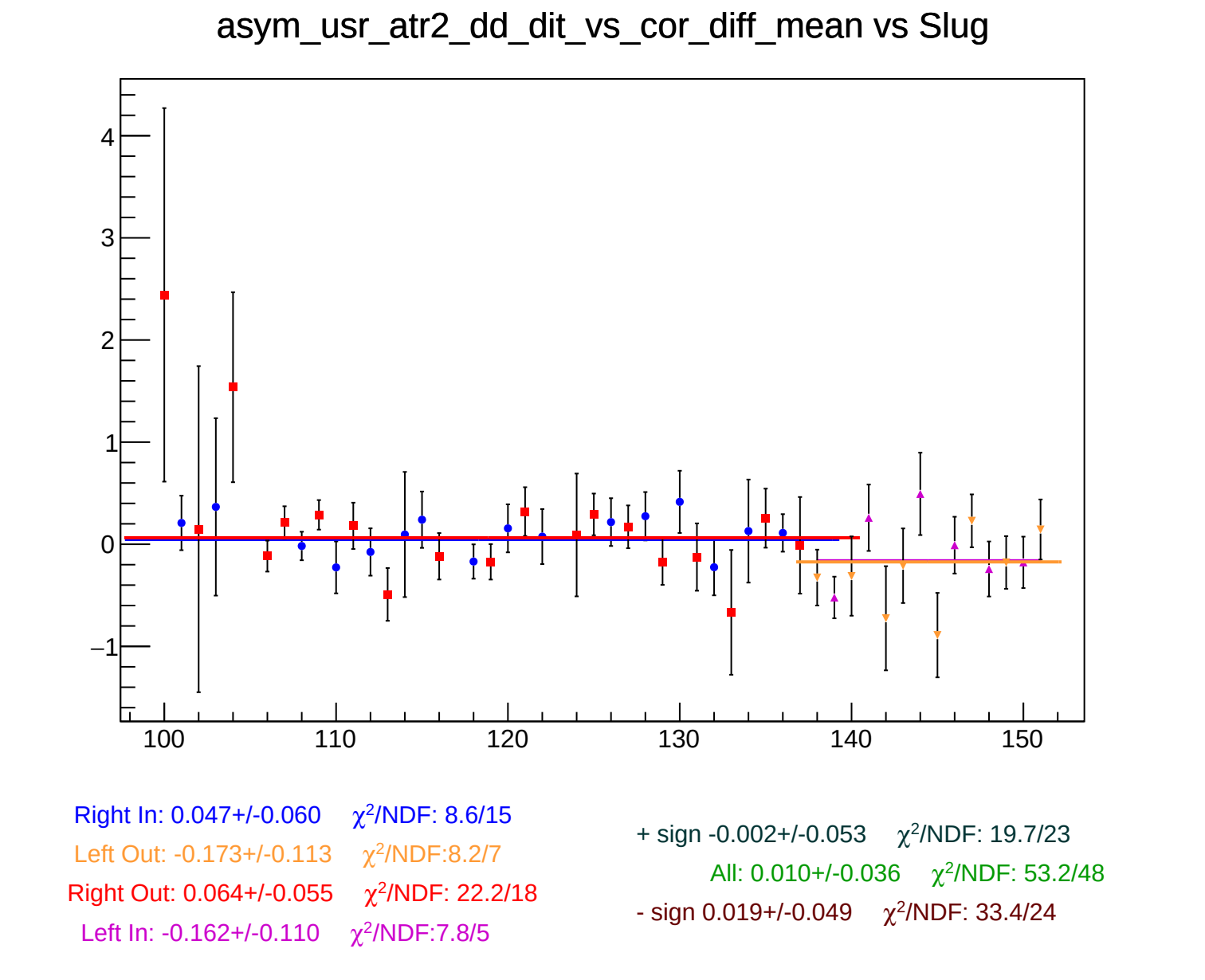
Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

Left In: 0.000+/-0.000 χ^2/NDF:231550.8/5

+ sign 0.000+/-0.000 χ^2/NDF: 2175104.3/23

All: 0.000+/-0.000 χ^2/NDF: 4795727.2/48

- sign 0.000+/-0.000 χ^2/NDF: 2620481.6/24


asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug
4
3
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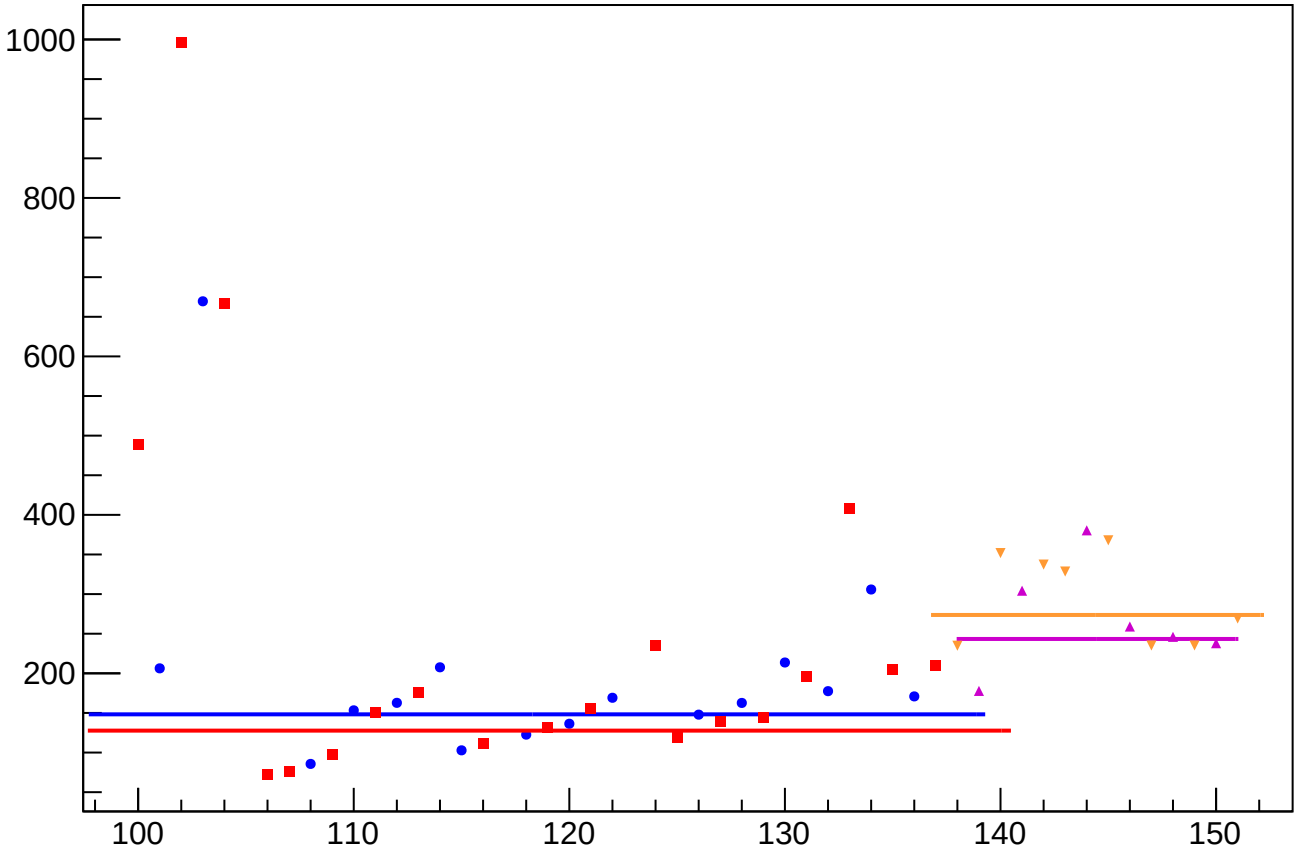
120
130
140
150
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.173+/-0.113 χ²/NDF:8.2/7
Right Out: 0.064+/-0.055 χ²/NDF: 22.2/18
Left In: -0.162+/-0.110 χ²/NDF:7.8/5
+ sign -0.002+/-0.053 χ²/NDF: 19.7/23
All: 0.010+/-0.036 χ²/NDF: 53.2/48
- sign 0.019+/-0.049 χ²/NDF: 33.4/24

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: 273.670+/-0.080 χ^2/NDF:390520.7/7

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

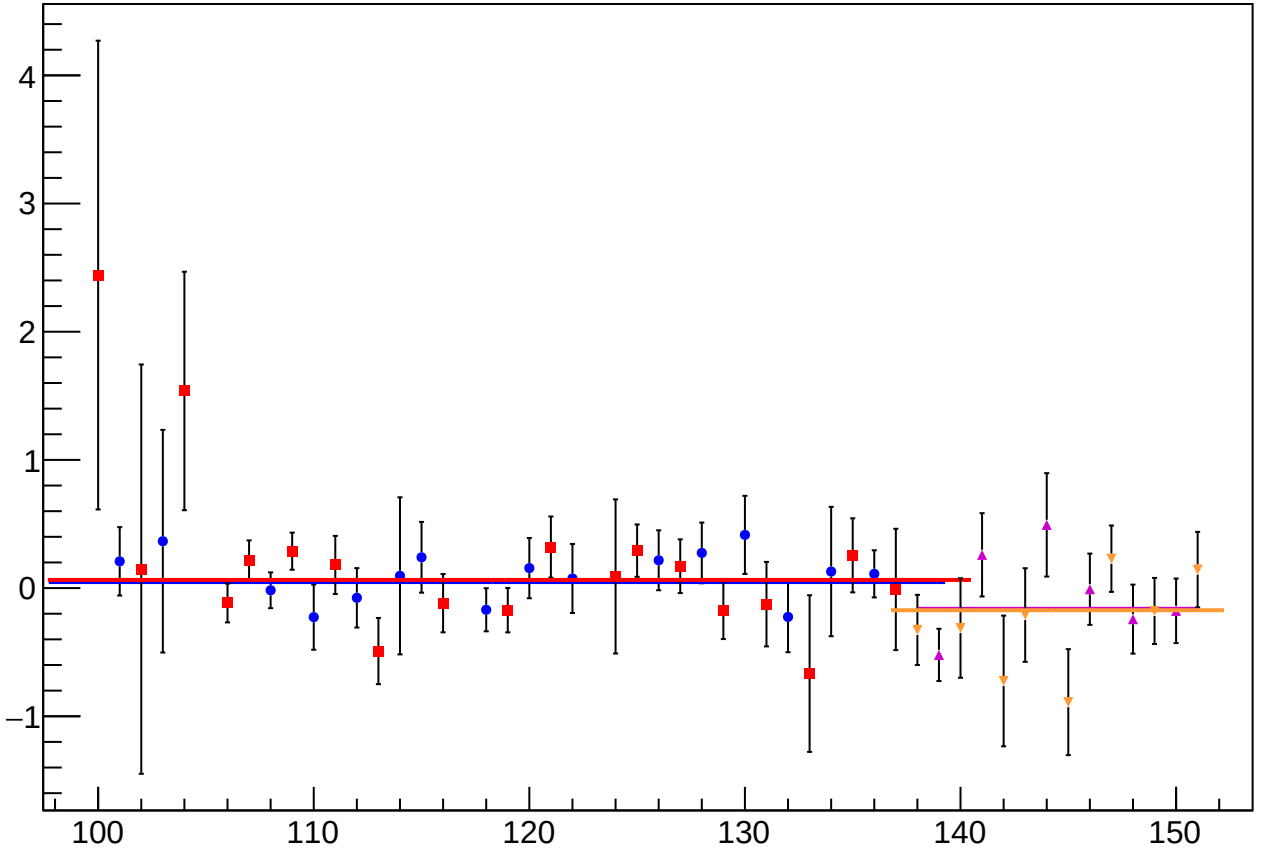
Left In: 243.371+/-0.078 χ^2/NDF:515595.7/5

+ sign 175.950+/-0.037 χ^2/NDF: 4029584.6/23

All: 162.223+/-0.025 χ^2/NDF: 9401595.2/48

- sign 150.491+/-0.035 χ^2/NDF: 5123047.4/24

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.173+/-0.113 χ^2/NDF:8.2/7

Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

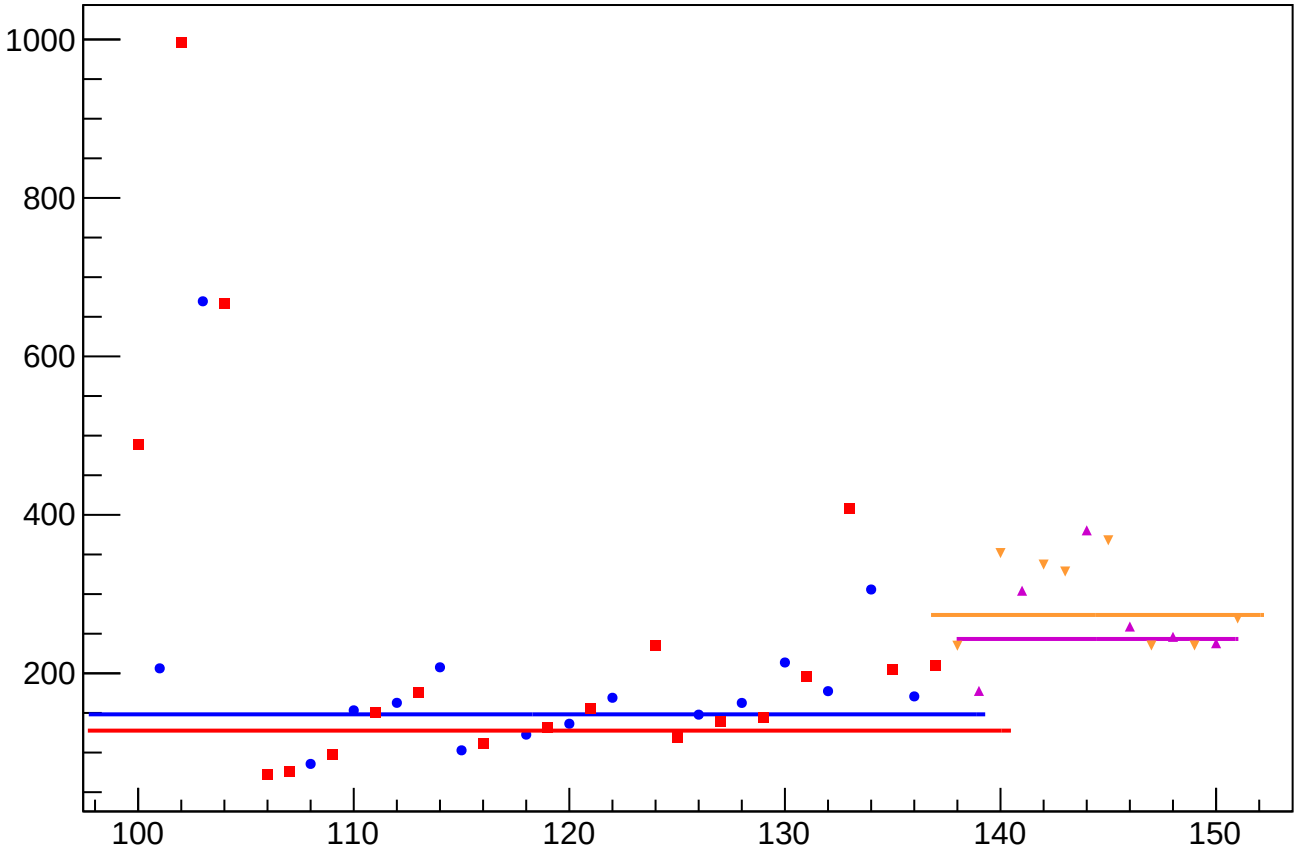
Left In: -0.162+/-0.110 χ^2/NDF:7.8/5

+ sign -0.002+/-0.053 χ^2/NDF: 19.7/23

All: 0.010+/-0.036 χ^2/NDF: 53.2/48

- sign 0.019+/-0.049 χ^2/NDF: 33.4/24

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: 273.670+/-0.080 χ^2/NDF:390520.7/7

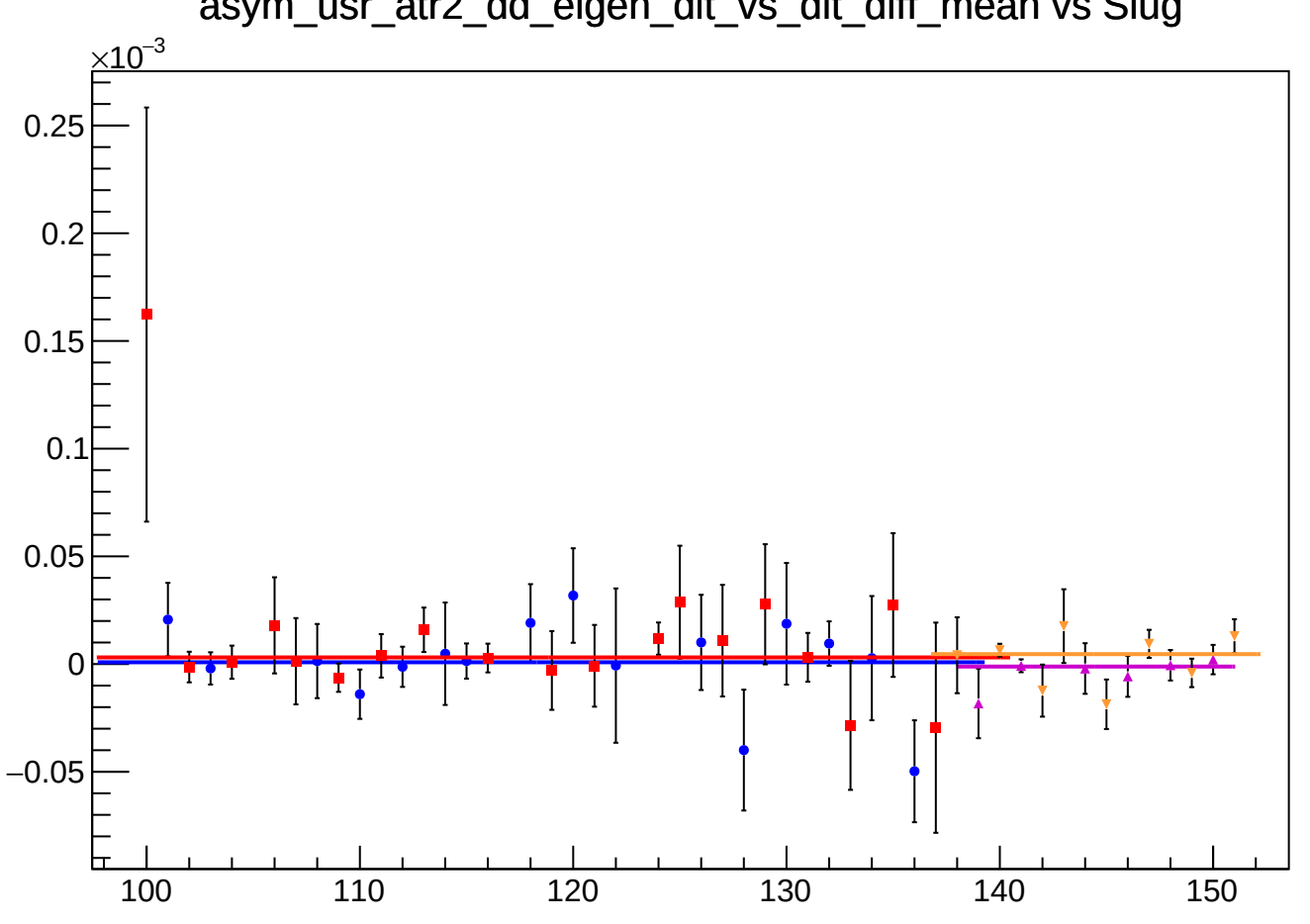
Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 243.371+/-0.078 χ^2/NDF:515595.7/5

+ sign 175.950+/-0.037 χ^2/NDF: 4029584.6/23

All: 162.223+/-0.025 χ^2/NDF: 9401595.2/48

- sign 150.491+/-0.035 χ^2/NDF: 5123047.4/24



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.4/7

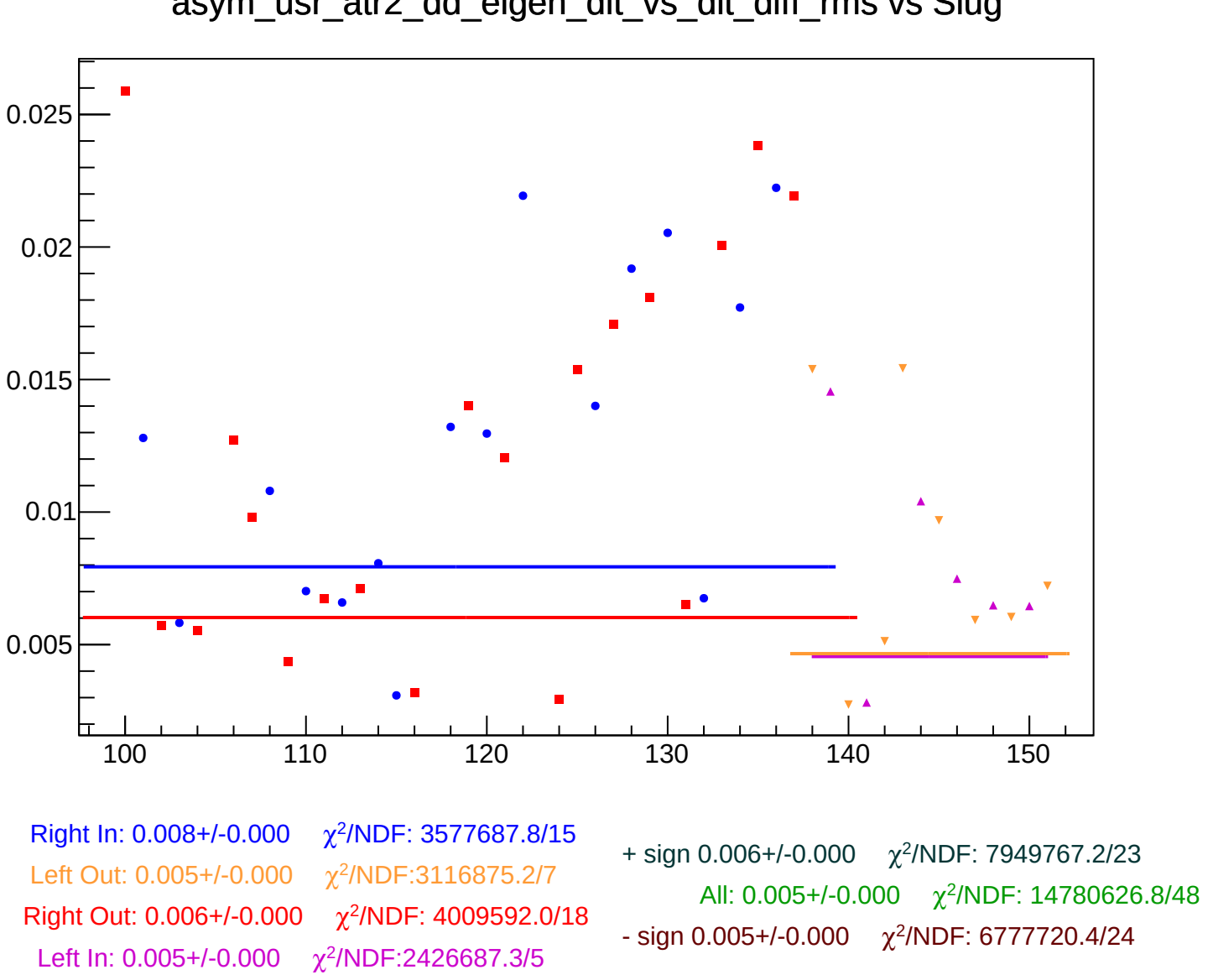
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: -0.000+/-0.000 χ^2/NDF:1.6/5

+ sign 0.000+/-0.000 χ^2/NDF: 25.5/23

All: 0.000+/-0.000 χ^2/NDF: 42.3/48

- sign 0.000+/-0.000 χ^2/NDF: 15.7/24


asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs Slug
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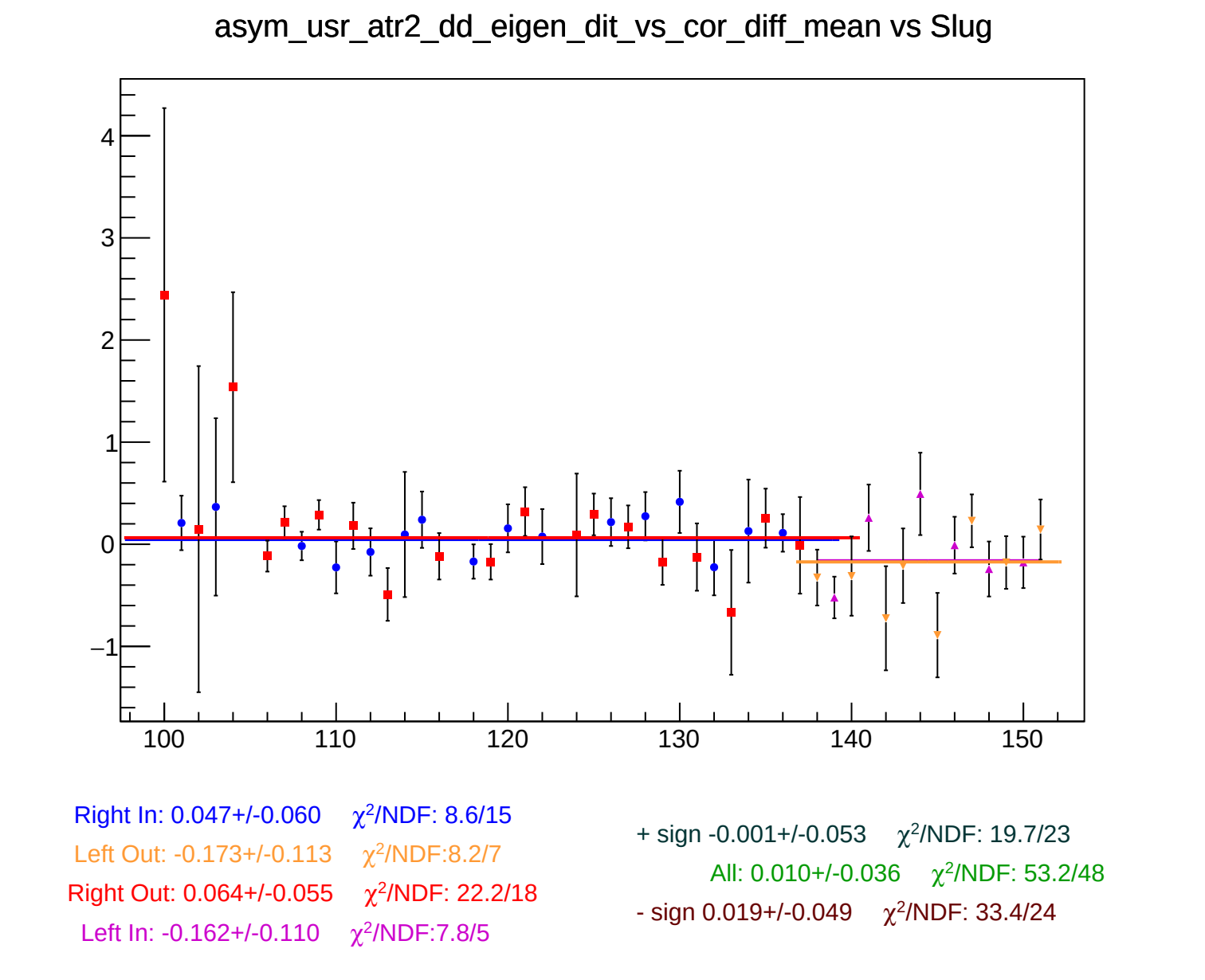
Right In: 0.008+/-0.000 χ²/NDF: 3577687.8/15
Left Out: 0.005+/-0.000 χ²/NDF:3116875.2/7
Right Out: 0.006+/-0.000 χ²/NDF: 4009592.0/18
Left In: 0.005+/-0.000 χ²/NDF:2426687.3/5
+ sign 0.006+/-0.000 χ²/NDF: 7949767.2/23
All: 0.005+/-0.000 χ²/NDF: 14780626.8/48
- sign 0.005+/-0.000 χ²/NDF: 6777720.4/24


asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug
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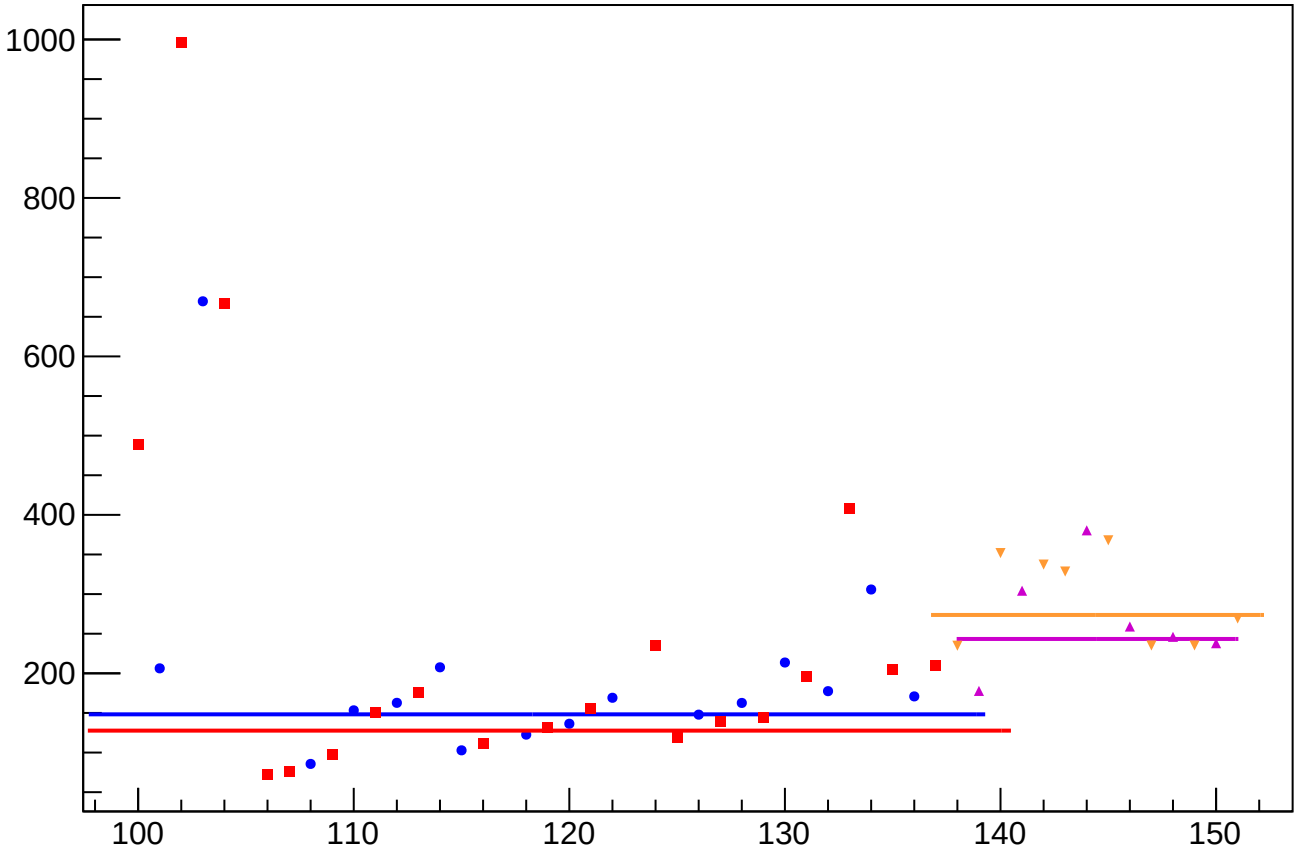
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.173+/-0.113 χ²/NDF:8.2/7
Right Out: 0.064+/-0.055 χ²/NDF: 22.2/18
Left In: -0.162+/-0.110 χ²/NDF:7.8/5
+ sign -0.001+/-0.053 χ²/NDF: 19.7/23
All: 0.010+/-0.036 χ²/NDF: 53.2/48
- sign 0.019+/-0.049 χ²/NDF: 33.4/24

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: 273.674+/-0.080 χ^2/NDF:390498.2/7

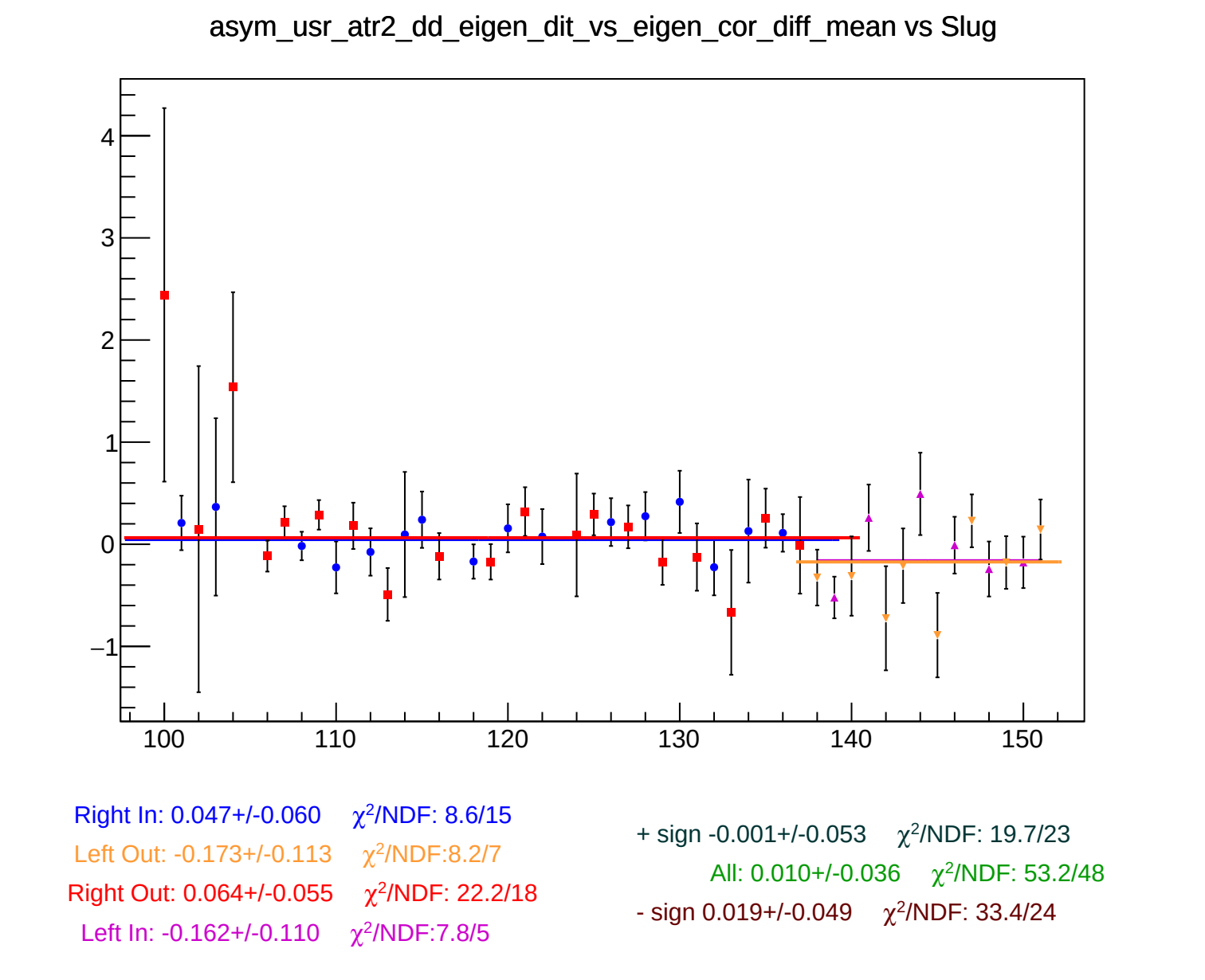
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 243.375+/-0.078 χ^2/NDF:515573.6/5

+ sign 175.948+/-0.037 χ^2/NDF: 4029806.1/23

All: 162.222+/-0.025 χ^2/NDF: 9401811.7/48

- sign 150.492+/-0.035 χ^2/NDF: 5123088.9/24


asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
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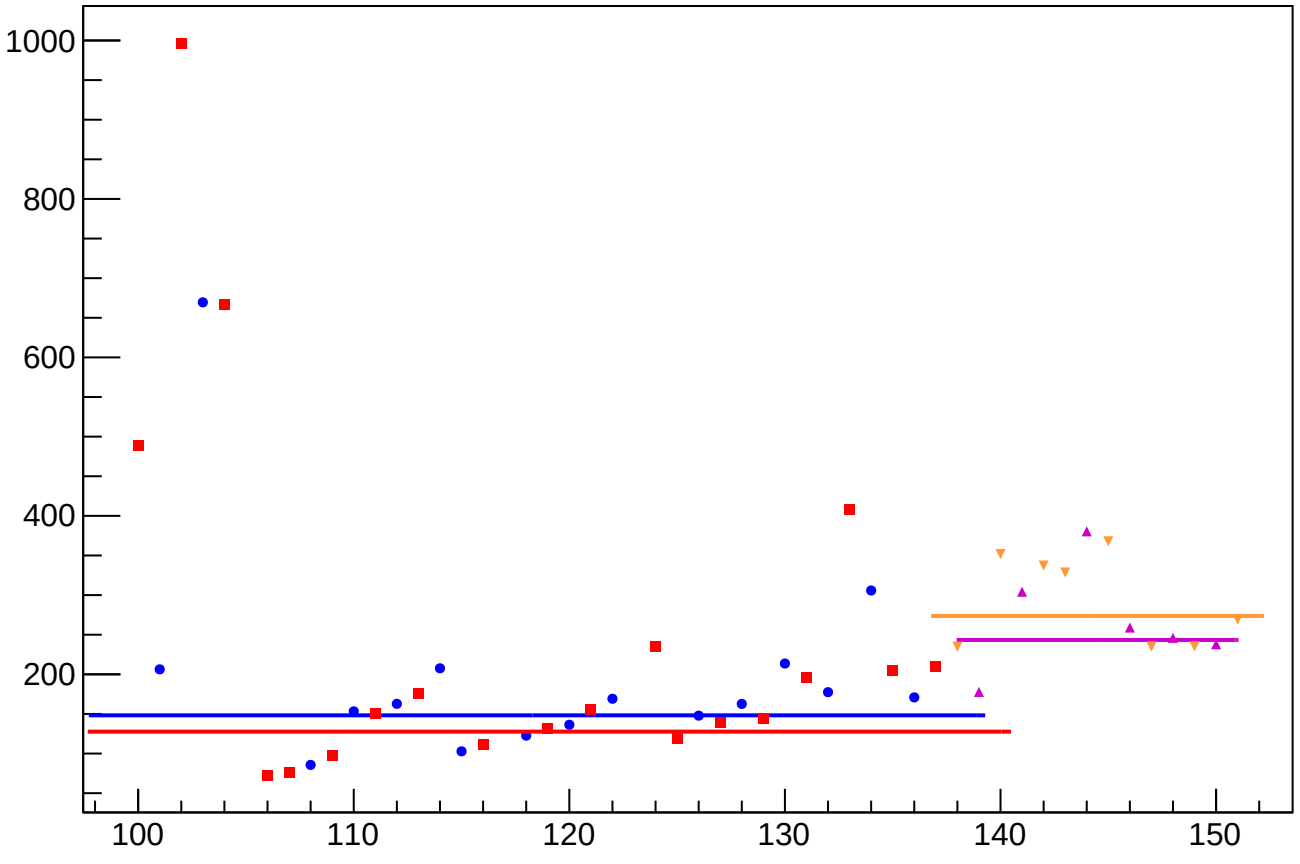
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.173+/-0.113 χ²/NDF:8.2/7
Right Out: 0.064+/-0.055 χ²/NDF: 22.2/18
Left In: -0.162+/-0.110 χ²/NDF:7.8/5
+ sign -0.001+/-0.053 χ²/NDF: 19.7/23
All: 0.010+/-0.036 χ²/NDF: 53.2/48
- sign 0.019+/-0.049 χ²/NDF: 33.4/24



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 273.674+/-0.080 χ^2/NDF:390498.2/7

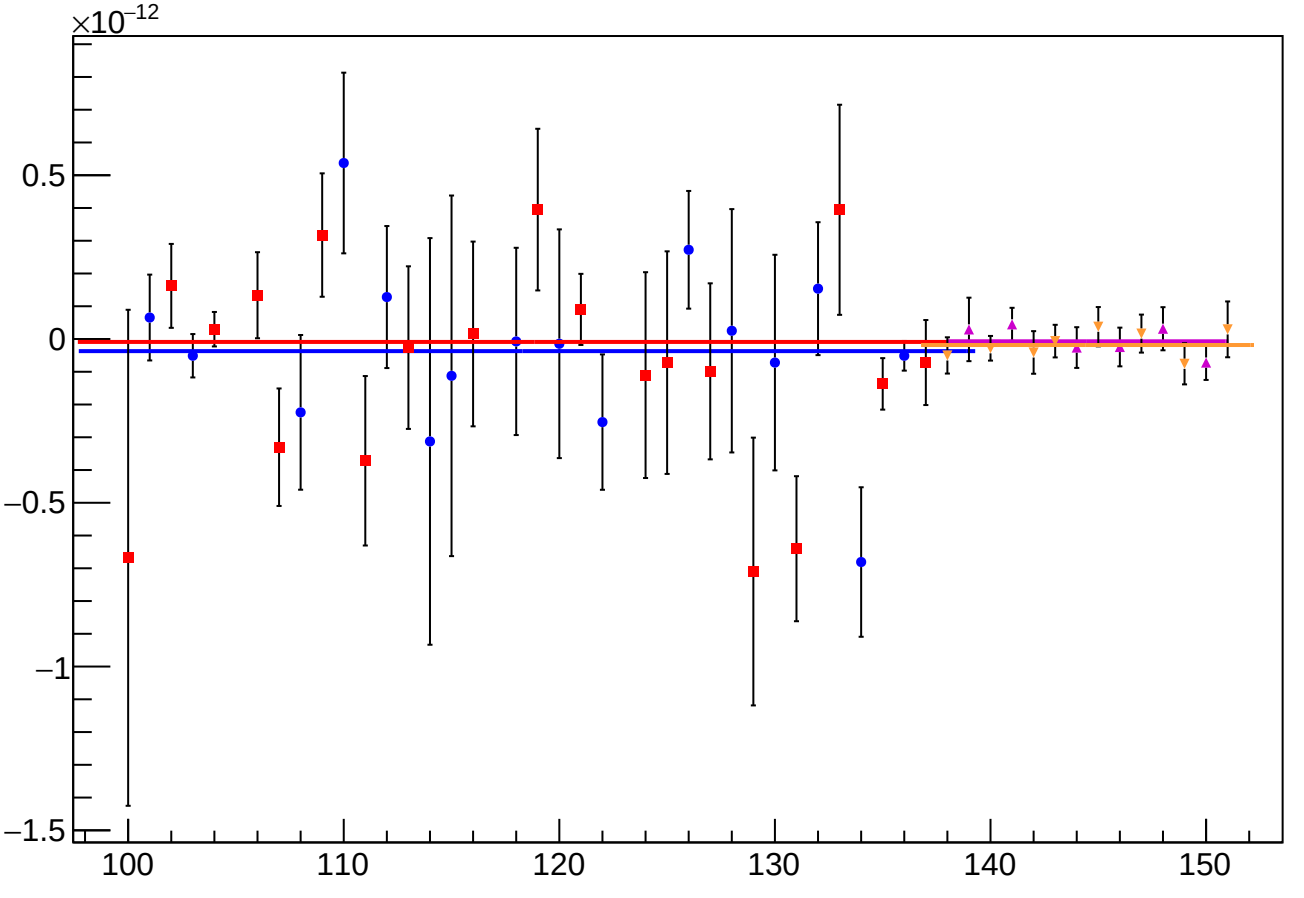
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 243.375+/-0.078 χ^2/NDF:515573.6/5

+ sign 175.948+/-0.037 χ^2/NDF: 4029806.1/23

All: 162.222+/-0.025 χ^2/NDF: 9401811.7/48

- sign 150.492+/-0.035 χ^2/NDF: 5123088.9/24



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.0/7

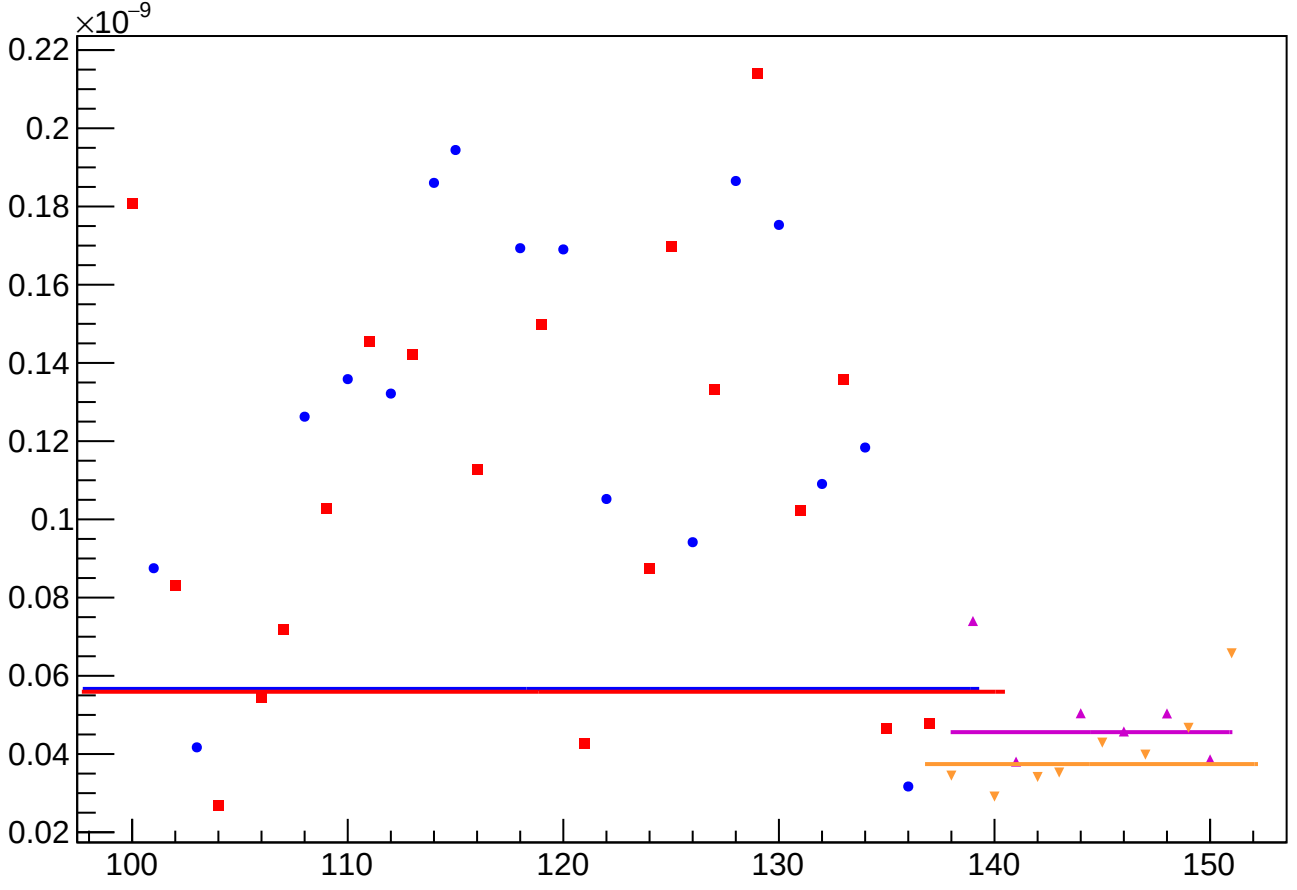
Right Out: -0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: -0.000+/-0.000 χ^2/NDF:3.2/5

+ sign -0.000+/-0.000 χ^2/NDF: 22.7/23

All: -0.000+/-0.000 χ^2/NDF: 58.0/48

- sign -0.000+/-0.000 χ^2/NDF: 35.0/24



Right In: 0.000+/-0.000 χ^2/NDF: 3113213.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:396615.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2732977.9/18

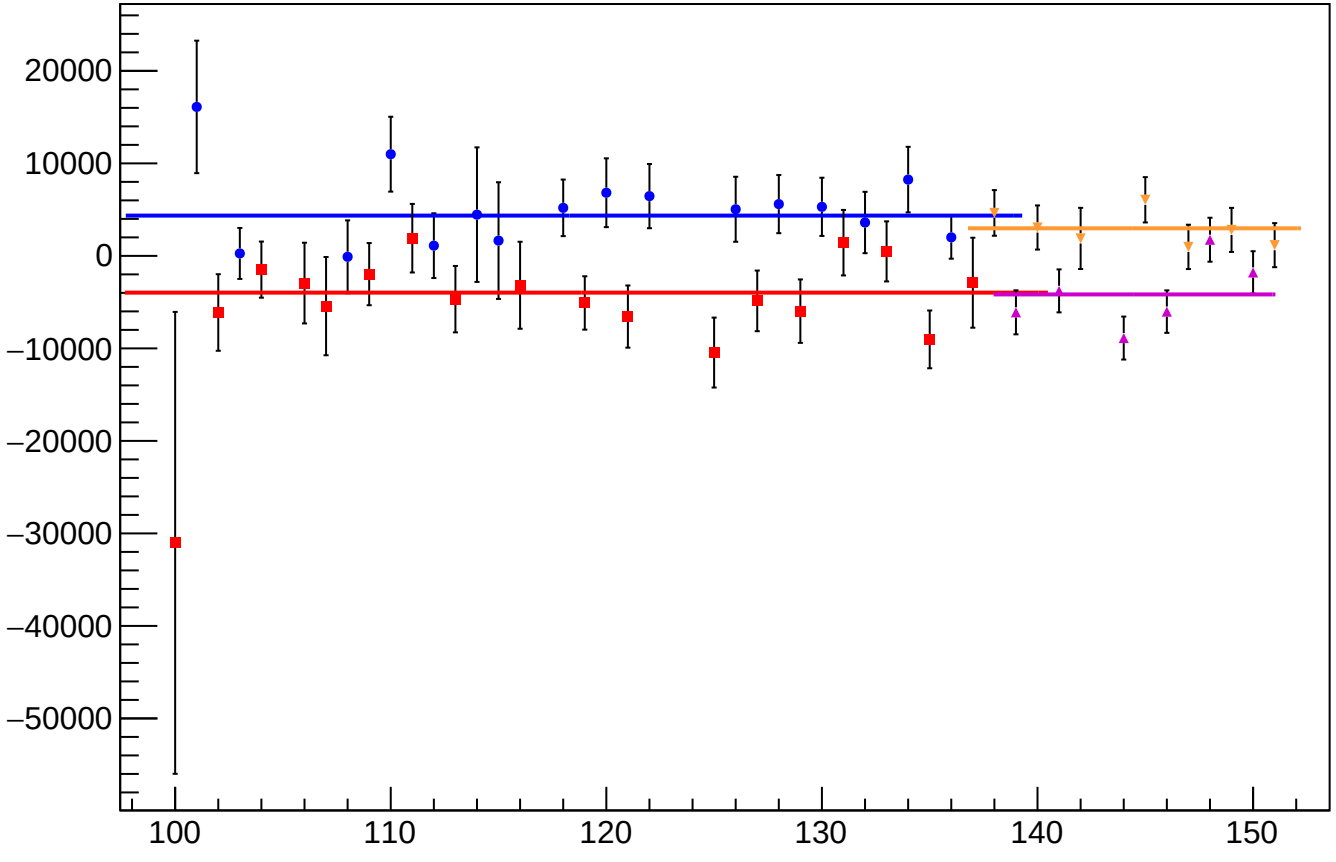
Left In: 0.000+/-0.000 χ^2/NDF:273774.8/5

+ sign 0.000+/-0.000 χ^2/NDF: 4032647.0/23

All: 0.000+/-0.000 χ^2/NDF: 7312758.2/48

- sign 0.000+/-0.000 χ^2/NDF: 3137077.9/24

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 2982.253+/-942.910 χ^2/NDF:3.4/6

Right Out: -3971.679+/-871.305 χ^2/NDF: 16.2/17

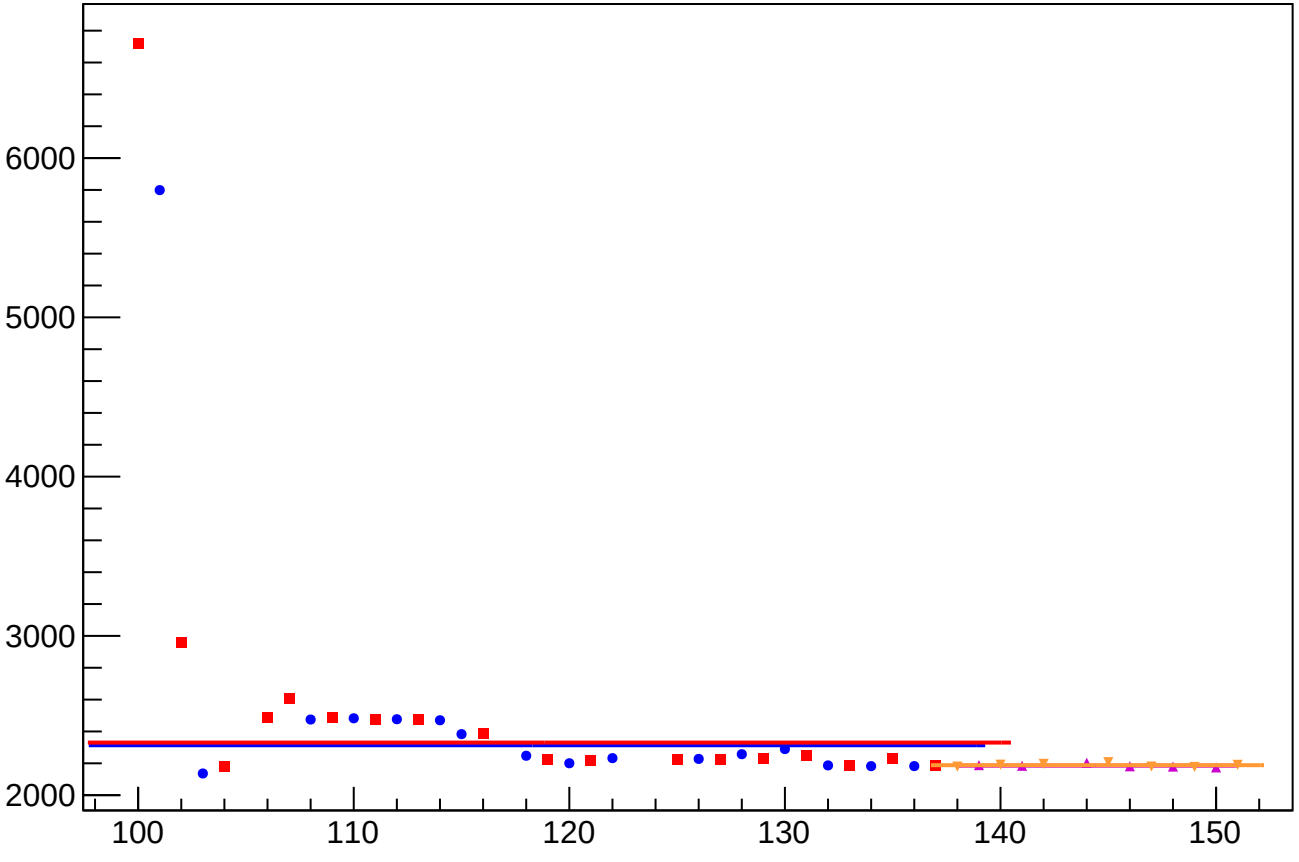
Left In: -4165.933+/-951.736 χ^2/NDF:12.7/5

+ sign 3719.365+/-641.445 χ^2/NDF: 17.9/22

All: -163.068+/-454.000 χ^2/NDF: 120.3/46

- sign -4060.253+/-642.662 χ^2/NDF: 28.9/23

reg_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2188.232+/-0.667 χ^2/NDF:231.7/6

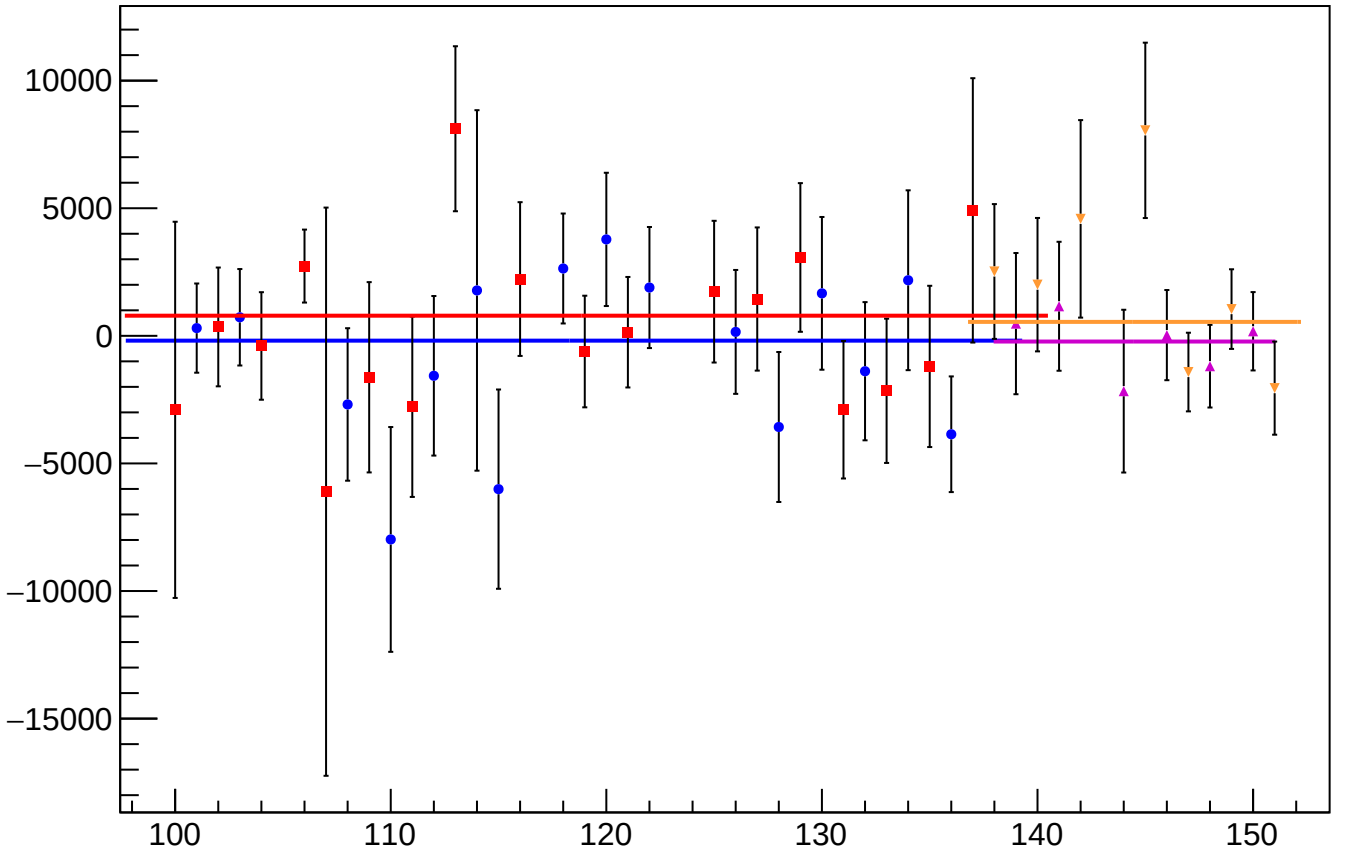
Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2185.331+/-0.673 χ^2/NDF:192.9/5

+ sign 2255.482+/-0.454 χ^2/NDF: 531540.6/22

All: 2259.805+/-0.321 χ^2/NDF: 708336.5/46

- sign 2264.145+/-0.454 χ^2/NDF: 176613.8/23



Right In: -188.660+/-658.334 χ^2/NDF: 16.4/15

Left Out: 546.546+/-797.265 χ^2/NDF:10.5/6

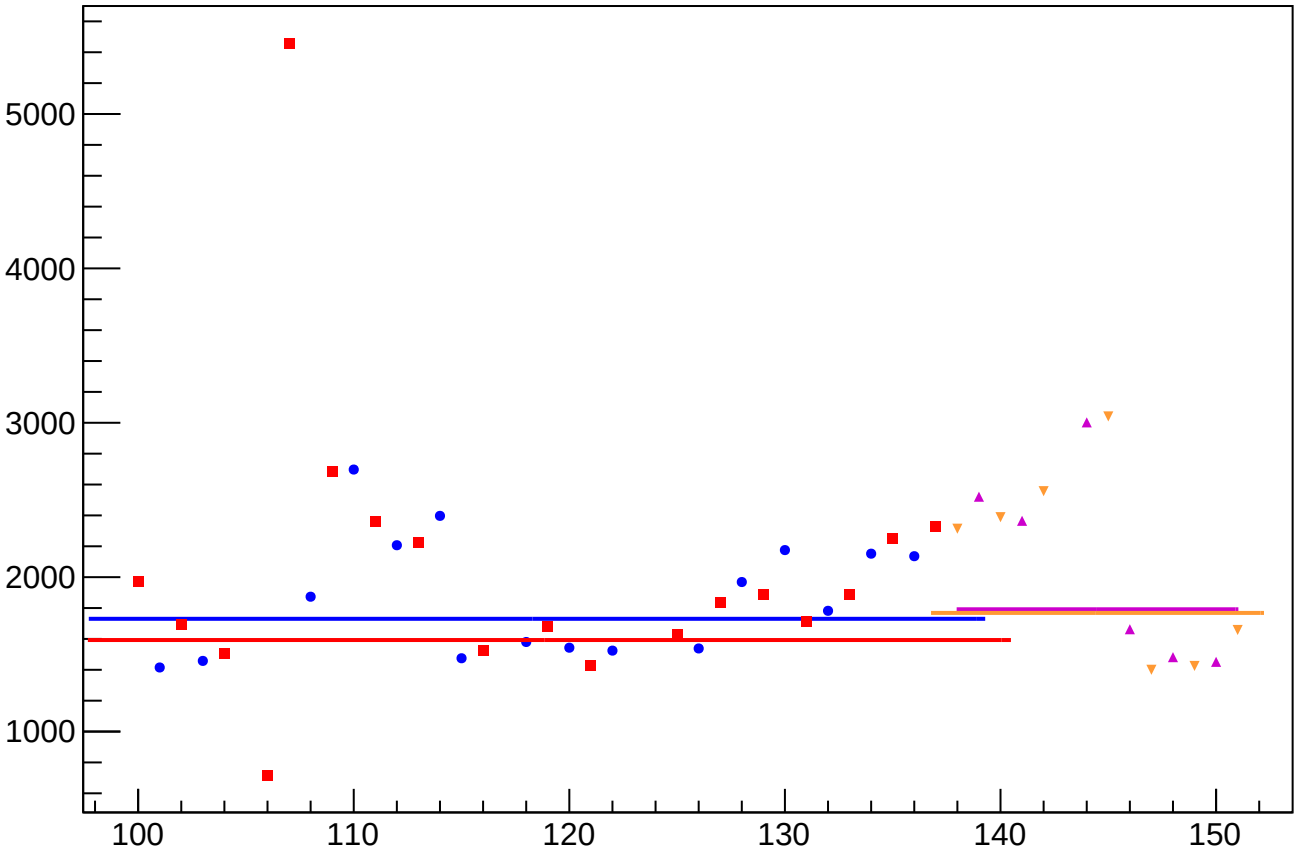
Right Out: 789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: -223.411+/-813.362 χ^2/NDF:1.2/5

\+ sign 109.404+/-507.637 χ^2/NDF: 27.4/22

All: 259.747+/-356.395 χ^2/NDF: 44.6/46

\- sign 405.880+/-500.477 χ^2/NDF: 17.0/23



Right In: 1730.288+/-0.466 χ^2/NDF: 478932.0/15

Left Out: 1768.441+/-0.564 χ^2/NDF:773649.9/6

Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

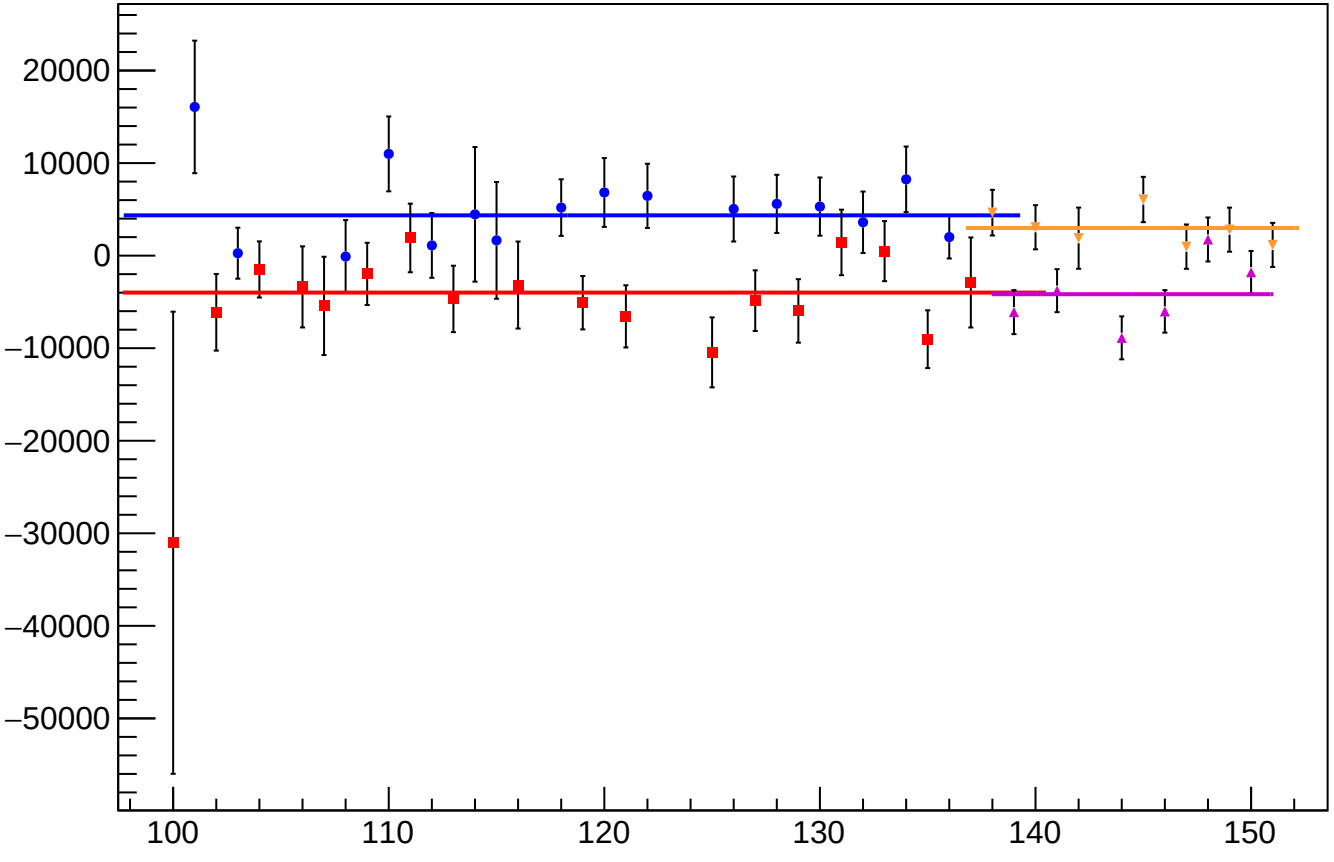
Left In: 1791.988+/-0.575 χ^2/NDF:712421.9/5

+ sign 1745.755+/-0.359 χ^2/NDF: 1255305.2/22

All: 1706.443+/-0.252 χ^2/NDF: 3622100.2/46

- sign 1668.231+/-0.354 χ^2/NDF: 2343141.7/23

cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 2982.063+/-942.910 χ^2/NDF:3.4/6

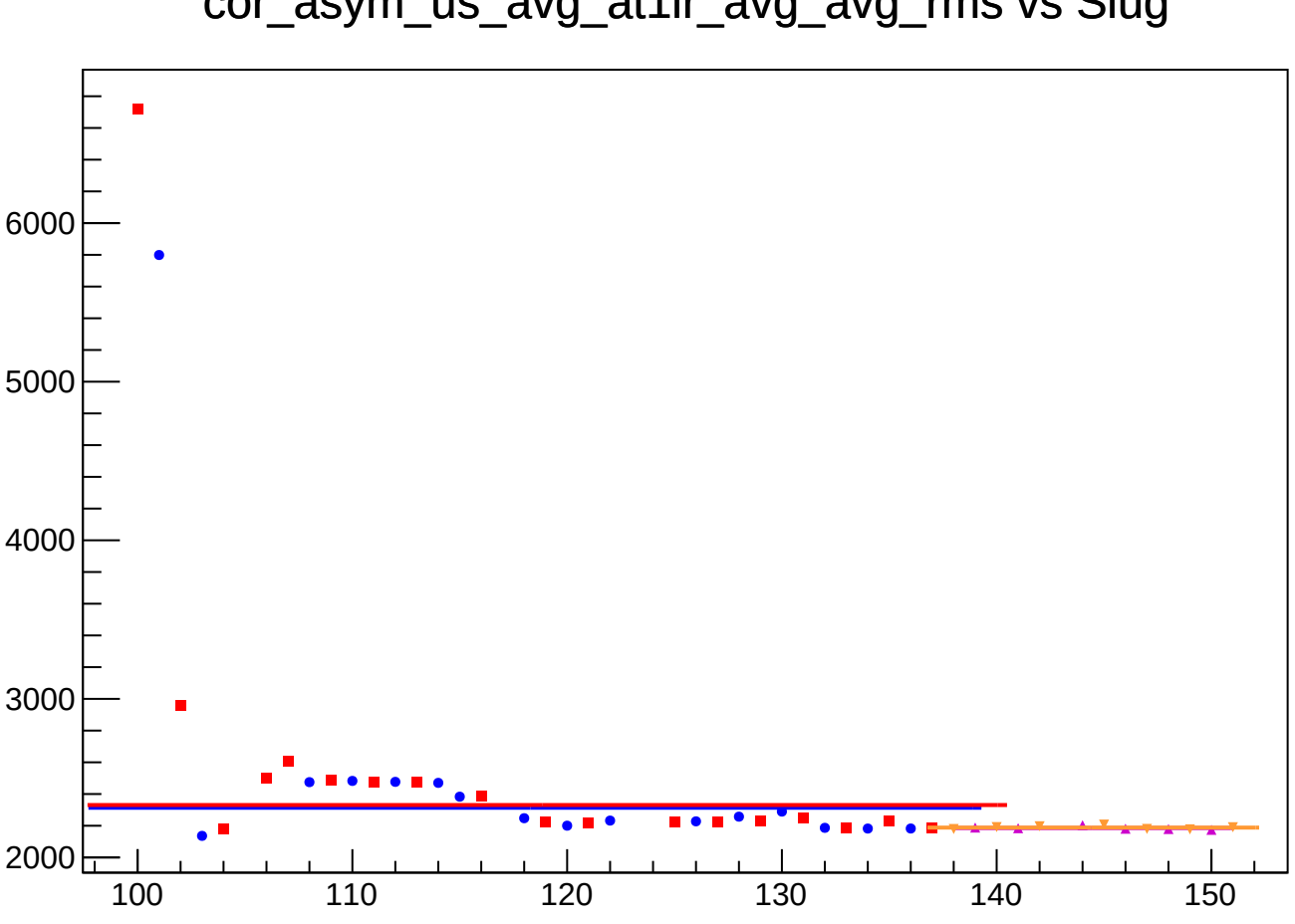
Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: -4166.255+/-951.736 χ^2/NDF:12.7/5

+ sign 3718.912+/-641.445 χ^2/NDF: 17.9/22

All: -167.953+/-454.021 χ^2/NDF: 120.4/46

- sign -4070.318+/-642.723 χ^2/NDF: 28.9/23



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2188.232+/-0.667 χ^2/NDF:231.7/6

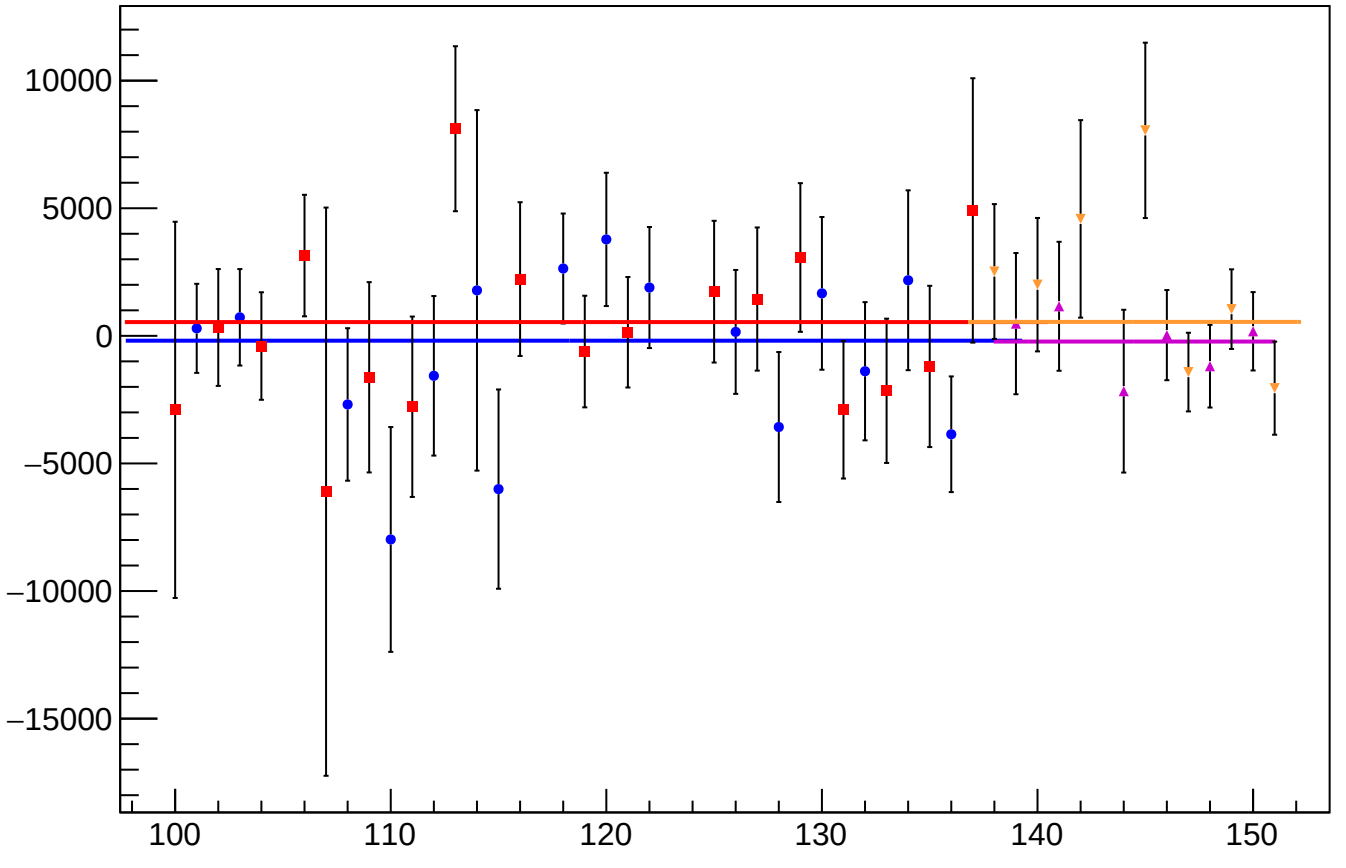
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2185.331+/-0.673 χ^2/NDF:192.9/5

+ sign 2255.481+/-0.454 χ^2/NDF: 531541.1/22

All: 2259.899+/-0.321 χ^2/NDF: 708815.7/46

- sign 2264.333+/-0.454 χ^2/NDF: 177084.6/23



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: 546.142+/-797.261 χ^2/NDF:10.5/6

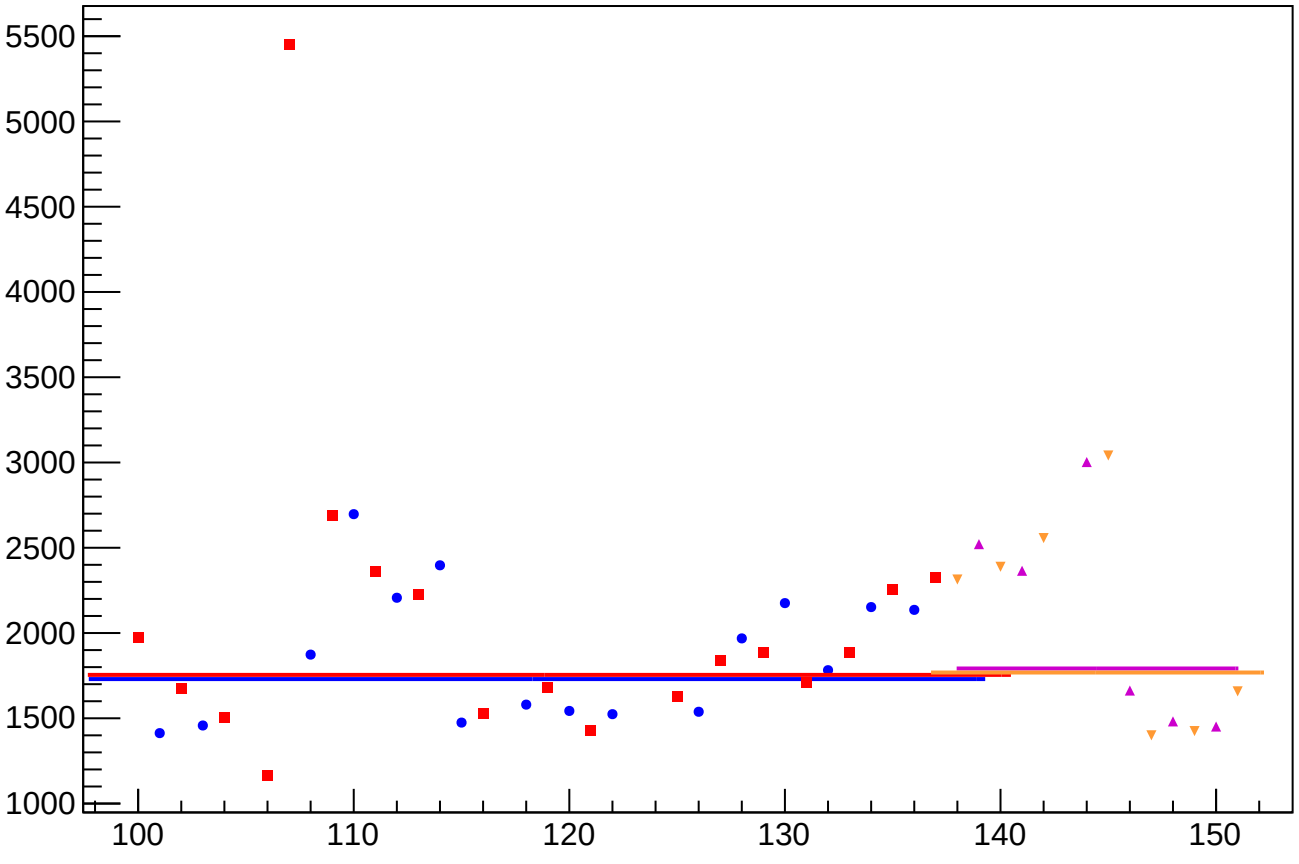
Right Out: 539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: -223.521+/-813.363 χ^2/NDF:1.2/5

\+ sign 108.517+/-507.577 χ^2/NDF: 27.4/22

All: 166.017+/-363.526 χ^2/NDF: 43.1/46

\- sign 226.572+/-520.889 χ^2/NDF: 15.6/23



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1768.432+/-0.564 χ^2/NDF:773646.6/6

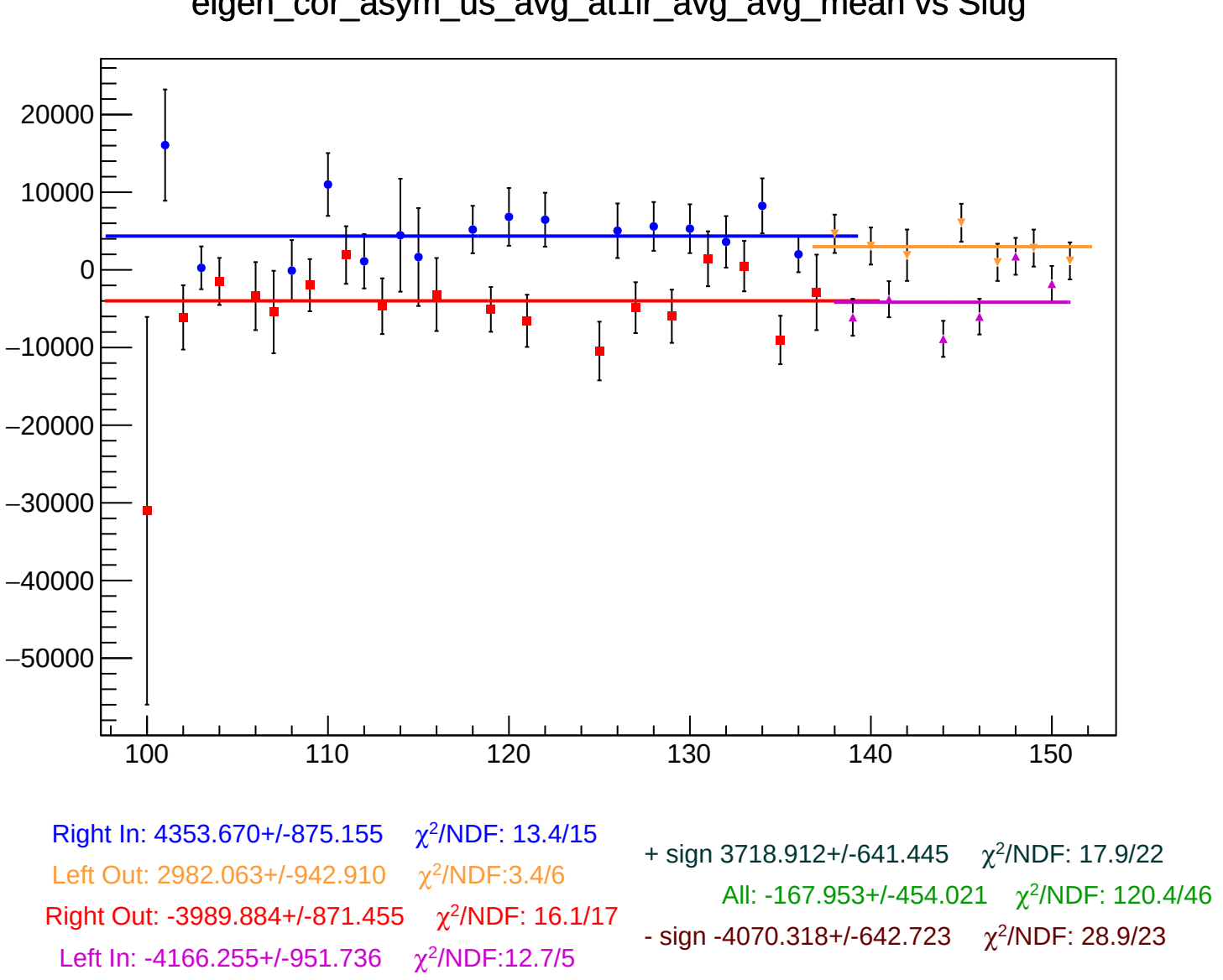
Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1791.991+/-0.575 χ^2/NDF:712421.6/5

+ sign 1745.517+/-0.359 χ^2/NDF: 1256323.2/22

All: 1757.389+/-0.257 χ^2/NDF: 2724504.2/46

- sign 1769.892+/-0.368 χ^2/NDF: 1465934.6/23


eigen_cor_asym_us_avg_at1lr_avg_avg_mean vs Slug
20000
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−30000
−40000
−50000
100
110
120
130
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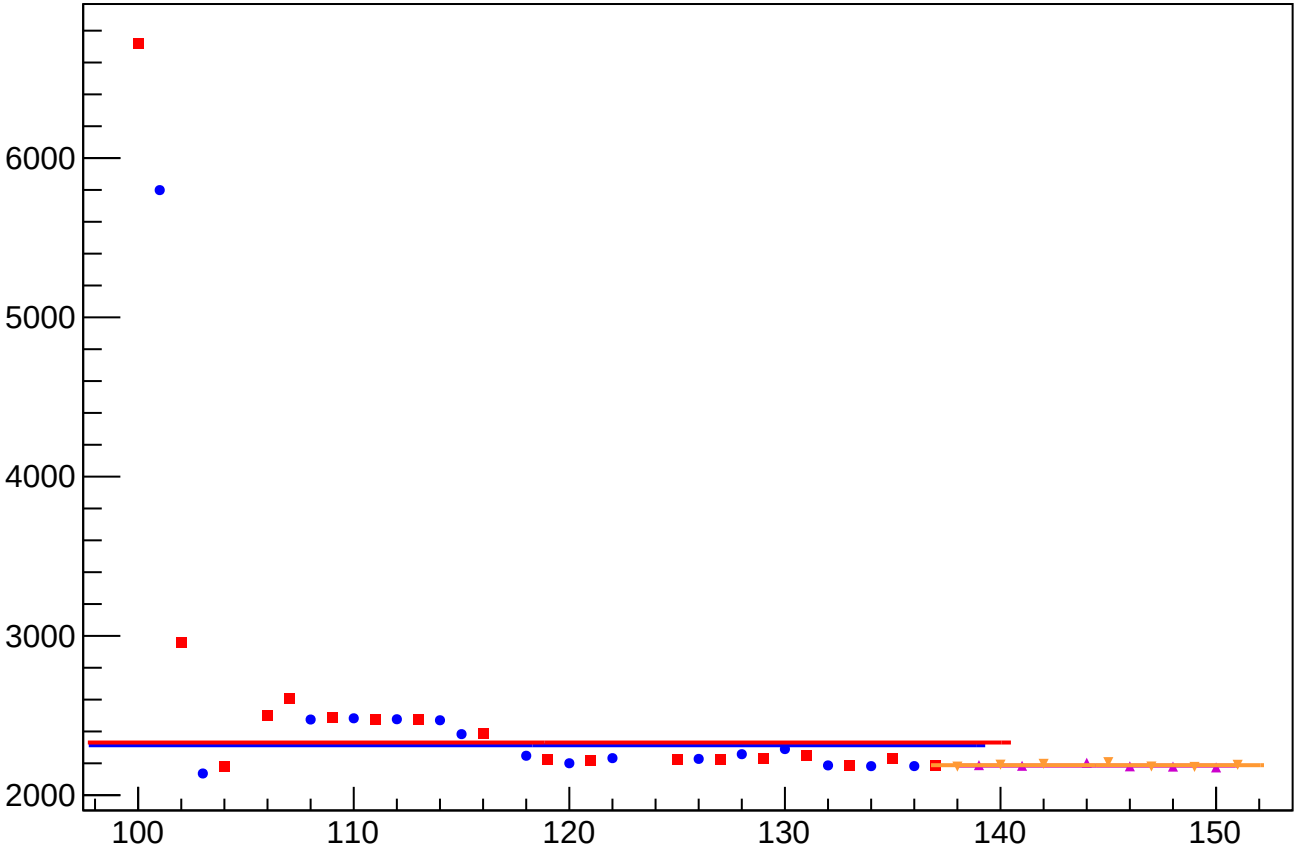
Right In: 4353.670+/-875.155 χ²/NDF: 13.4/15
Left Out: 2982.063+/-942.910 χ²/NDF:3.4/6
Right Out: -3989.884+/-871.455 χ²/NDF: 16.1/17
Left In: -4166.255+/-951.736 χ²/NDF:12.7/5
+ sign 3718.912+/-641.445 χ²/NDF: 17.9/22
All: -167.953+/-454.021 χ²/NDF: 120.4/46
- sign -4070.318+/-642.723 χ²/NDF: 28.9/23

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: 2188.232+/-0.667 χ^2/NDF:231.7/6

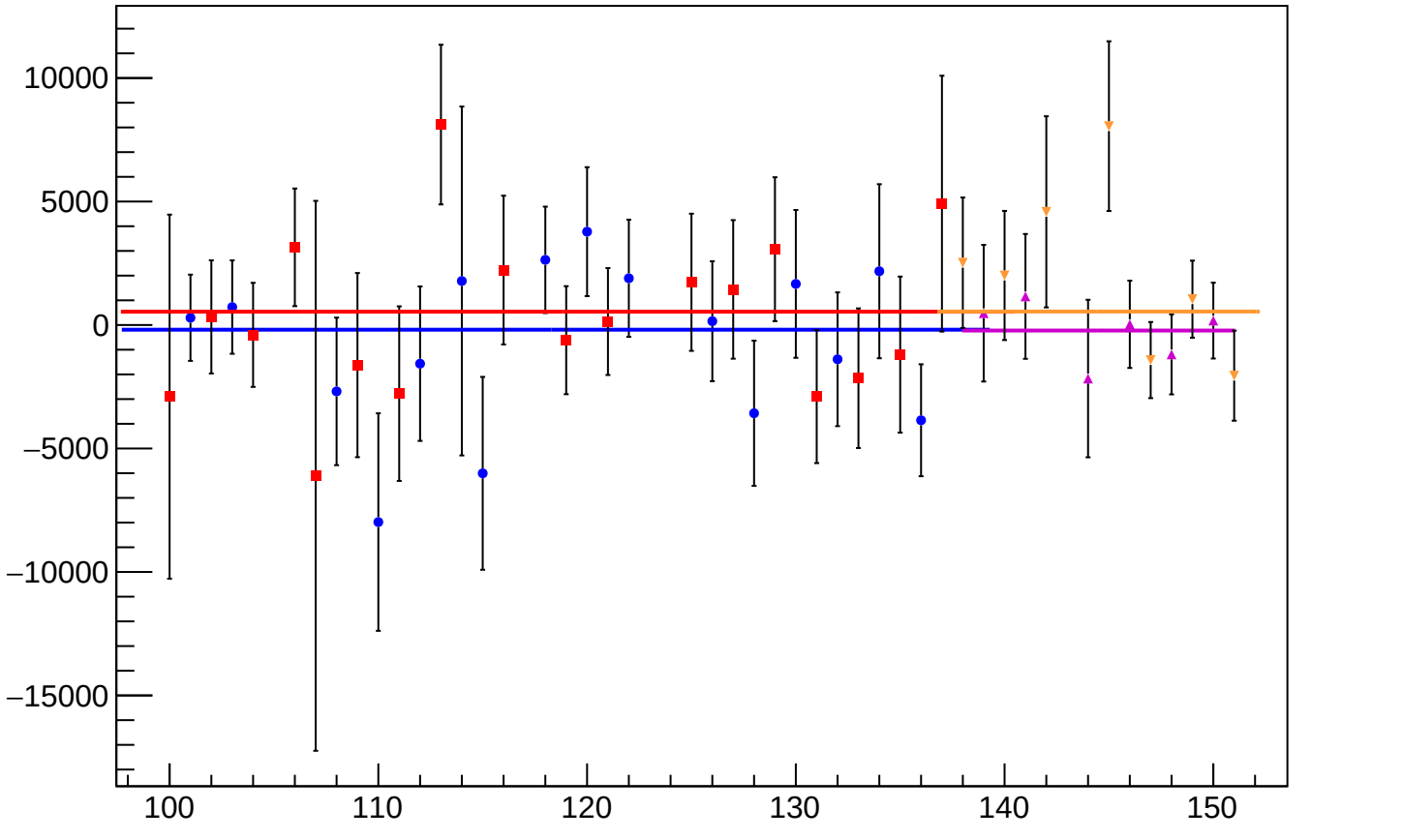
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2185.331+/-0.673 χ^2/NDF:192.9/5

+ sign 2255.481+/-0.454 χ^2/NDF: 531541.1/22

All: 2259.899+/-0.321 χ^2/NDF: 708815.7/46

- sign 2264.333+/-0.454 χ^2/NDF: 177084.6/23



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: 546.142+/-797.261 χ^2/NDF:10.5/6

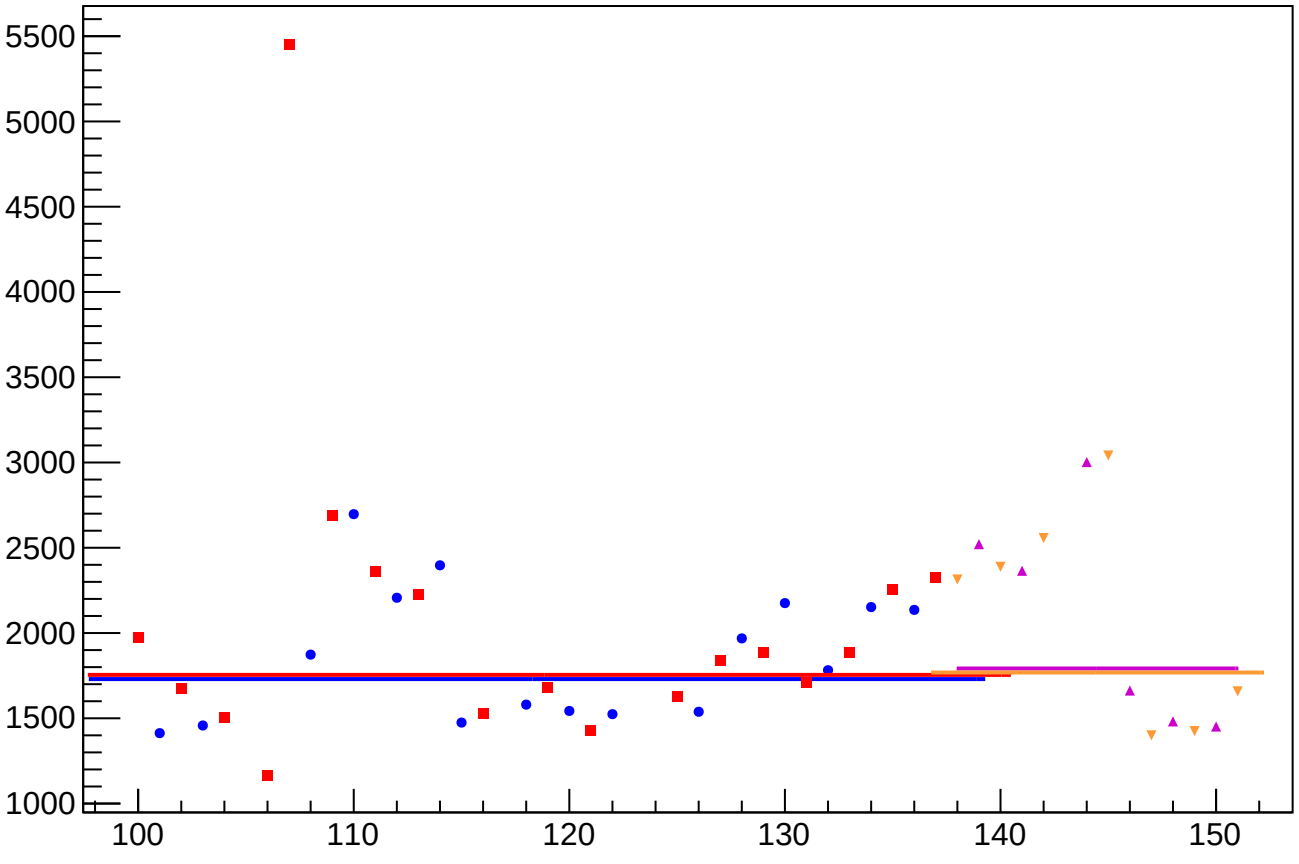
Right Out: 539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: -223.521+/-813.363 χ^2/NDF:1.2/5

+ sign 108.517+/-507.577 χ^2/NDF: 27.4/22

All: 166.017+/-363.526 χ^2/NDF: 43.1/46

- sign 226.572+/-520.889 χ^2/NDF: 15.6/23



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1768.432+/-0.564 χ^2/NDF:773646.6/6

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

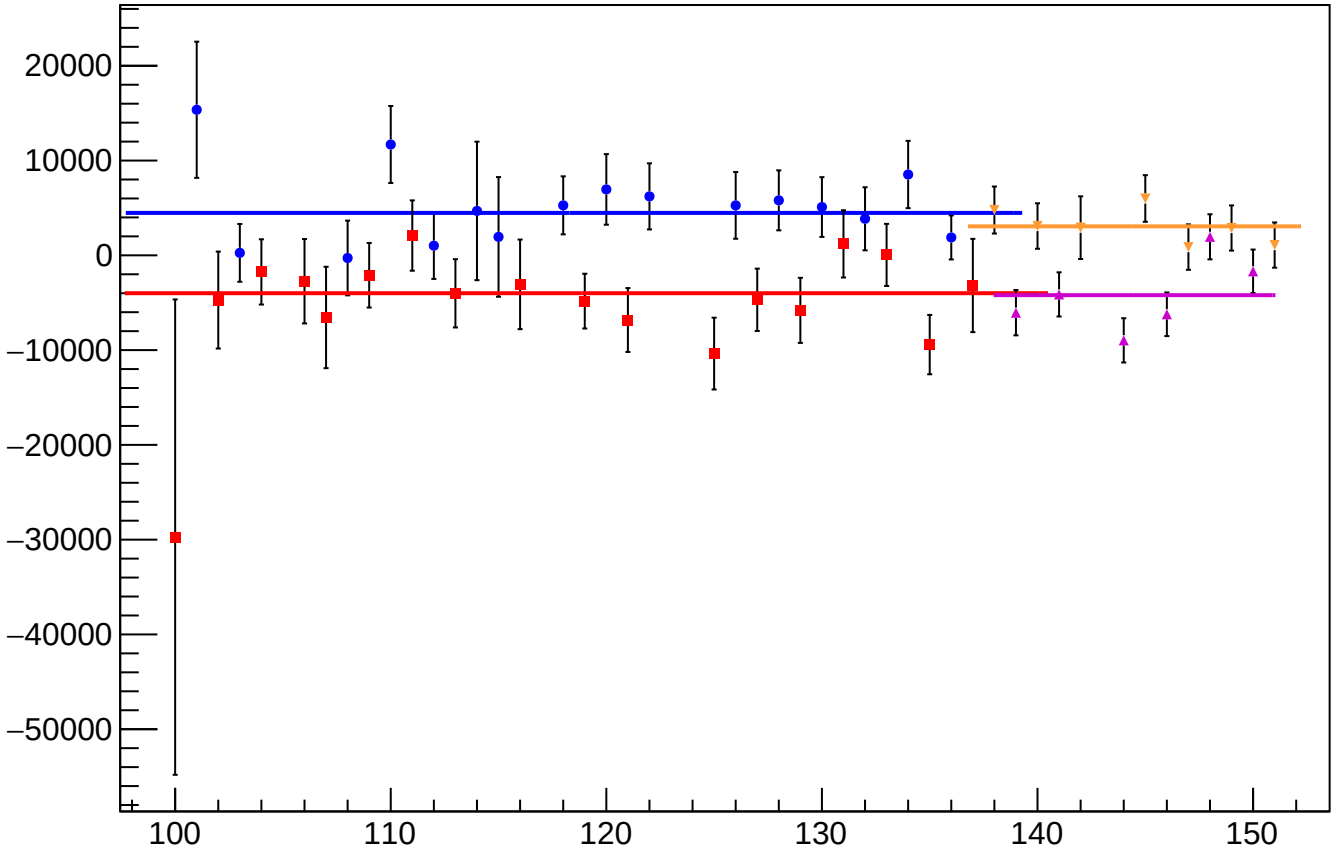
Left In: 1791.991+/-0.575 χ^2/NDF:712421.6/5

+ sign 1745.517+/-0.359 χ^2/NDF: 1256323.2/22

All: 1757.389+/-0.257 χ^2/NDF: 2724504.2/46

- sign 1769.892+/-0.368 χ^2/NDF: 1465934.6/23

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4476.431+/-886.087 χ^2/NDF: 13.5/15

Left Out: 3058.120+/-945.539 χ^2/NDF:3.4/6

Right Out: -3995.807+/-890.441 χ^2/NDF: 15.5/17

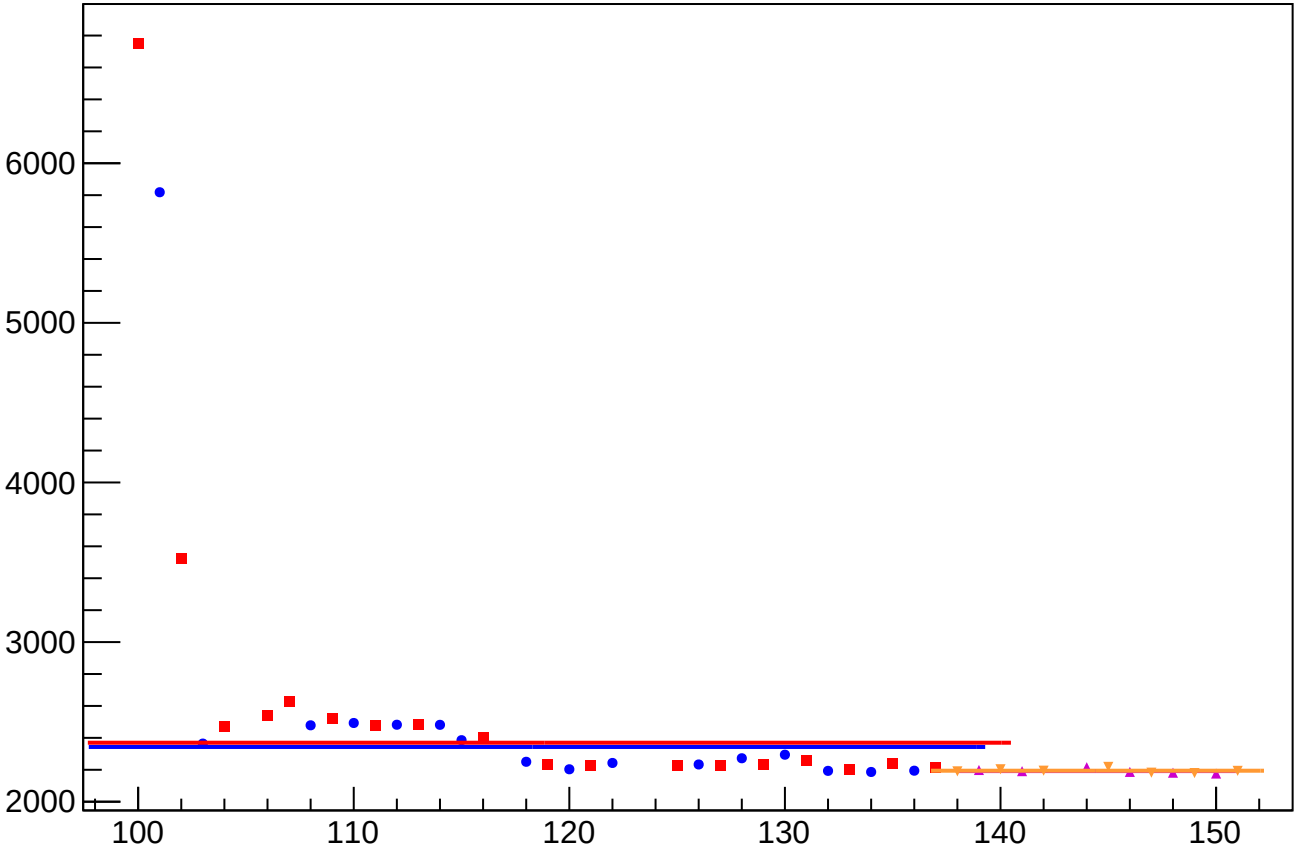
Left In: -4201.774+/-954.624 χ^2/NDF:13.4/5

+ sign 3813.264+/-646.555 χ^2/NDF: 18.2/22

All: -111.218+/-458.798 χ^2/NDF: 121.3/46

- sign -4091.634+/-651.146 χ^2/NDF: 28.9/23

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2194.161+/-0.669 χ^2/NDF:354.0/6

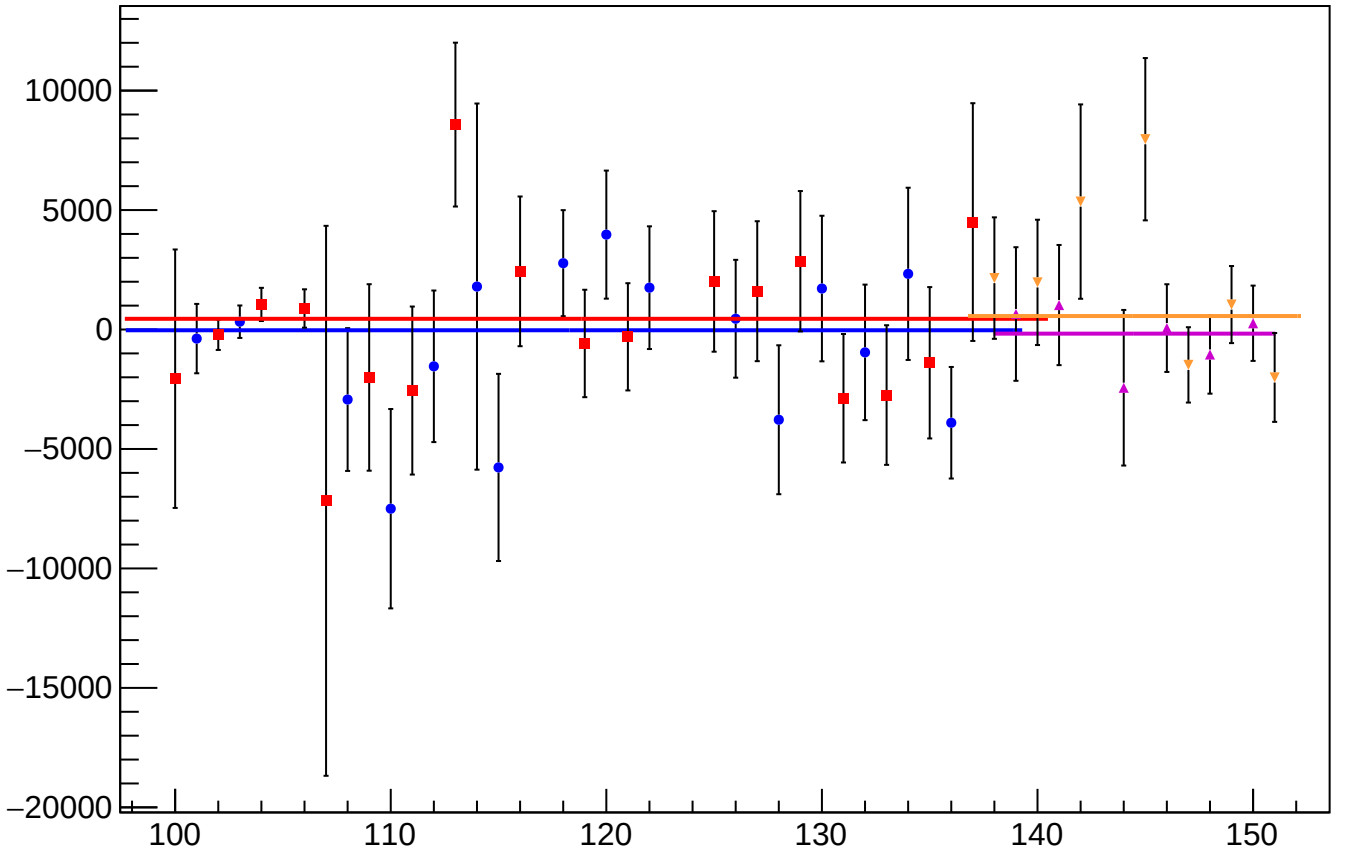
Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2191.816+/-0.675 χ^2/NDF:369.8/5

+ sign 2273.361+/-0.457 χ^2/NDF: 529575.2/22

All: 2280.068+/-0.324 χ^2/NDF: 777608.2/46

- sign 2286.870+/-0.460 χ^2/NDF: 247599.5/23



Right In: -31.393+/-485.329 χ^2/NDF: 16.3/15

Left Out: 563.804+/-810.208 χ^2/NDF:10.5/6

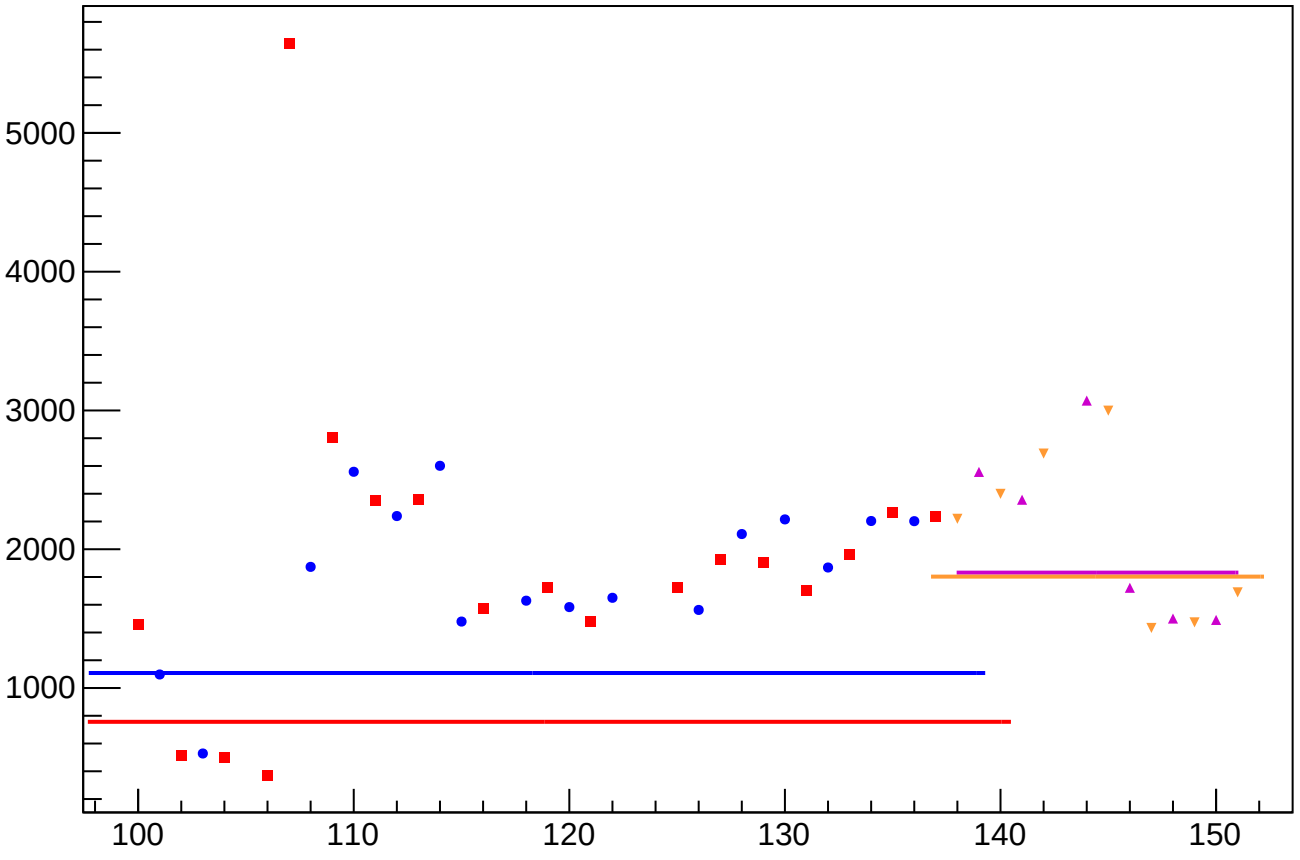
Right Out: 448.261+/-362.570 χ^2/NDF: 15.1/17

Left In: -172.751+/-829.759 χ^2/NDF:1.2/5

\+ sign 125.780+/-416.346 χ^2/NDF: 27.2/22

All: 261.974+/-259.689 χ^2/NDF: 44.1/46

\- sign 348.699+/-332.237 χ^2/NDF: 16.7/23



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 1802.714+/-0.573 χ^2/NDF:701185.1/6

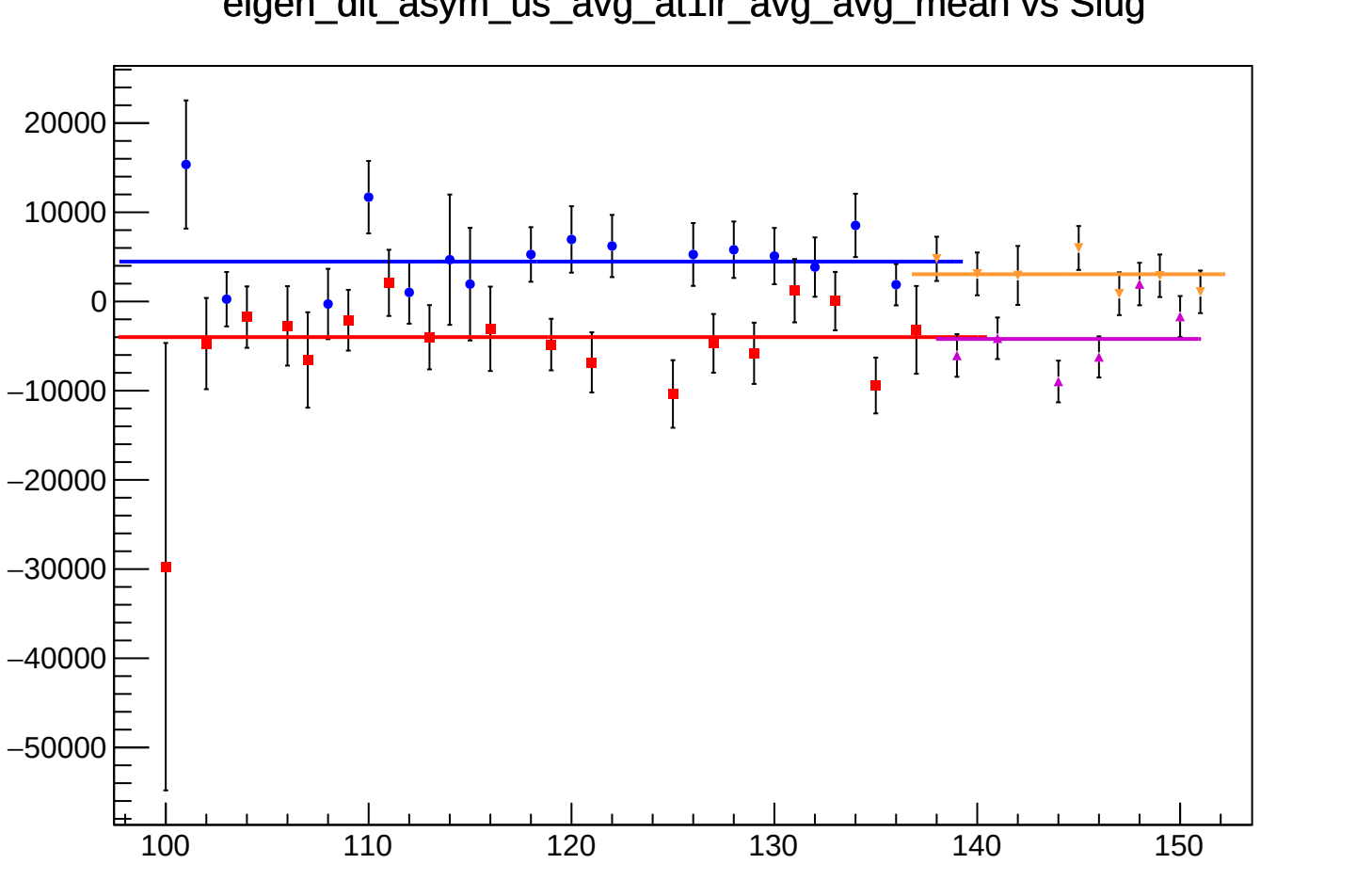
Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 1831.467+/-0.587 χ^2/NDF:694071.3/5

+ sign 1291.555+/-0.294 χ^2/NDF: 5529378.0/22

All: 1069.911+/-0.184 χ^2/NDF: 15573396.2/4

- sign 928.773+/-0.235 χ^2/NDF: 9116287.2/23



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 3058.123+/-945.539 χ^2/NDF:3.4/6

Right Out: -3995.803+/-890.441 χ^2/NDF: 15.5/17

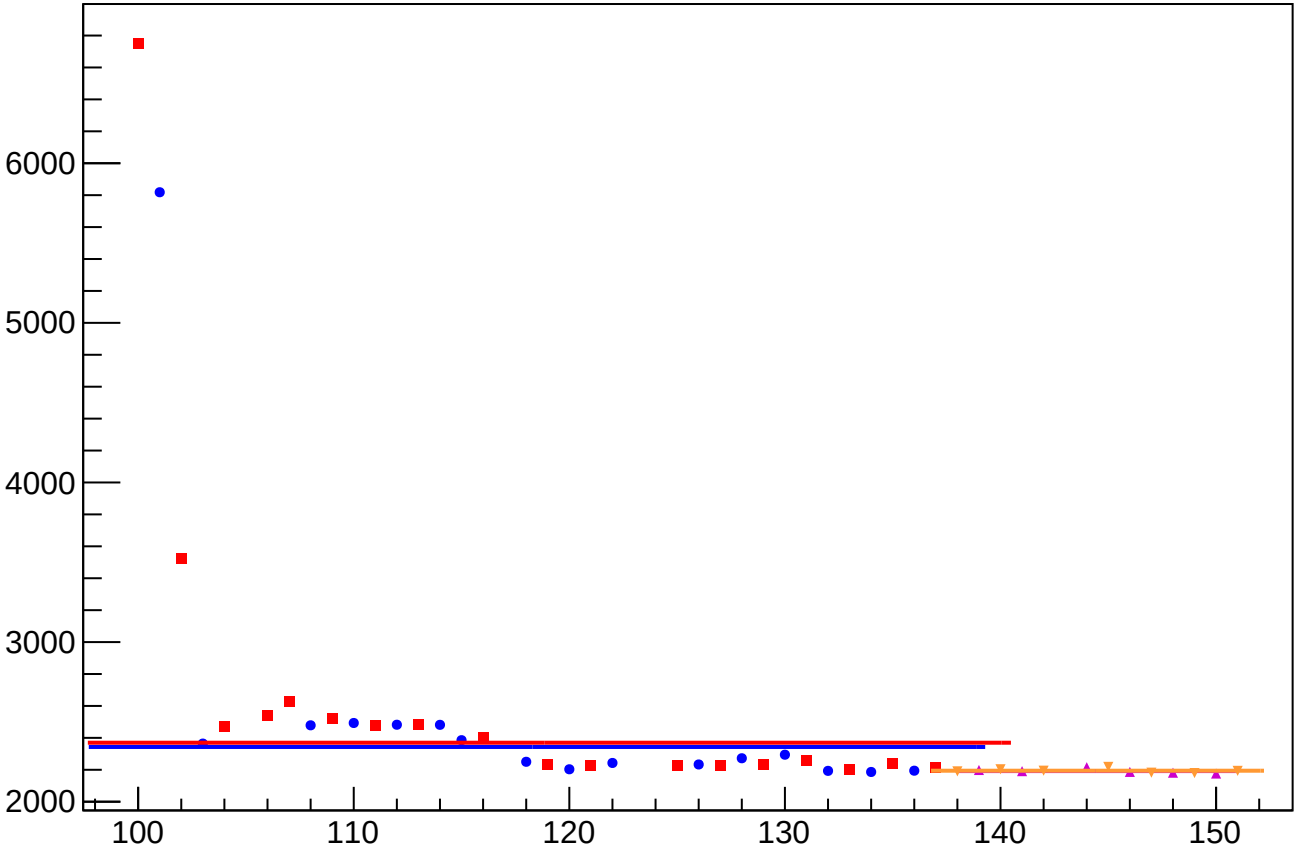
Left In: -4201.775+/-954.624 χ^2/NDF:13.4/5

+ sign 3813.263+/-646.554 χ^2/NDF: 18.2/22

All: -111.218+/-458.798 χ^2/NDF: 121.3/46

- sign -4091.633+/-651.146 χ^2/NDF: 28.9/23

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: 2194.161+/-0.669 χ^2/NDF:354.0/6

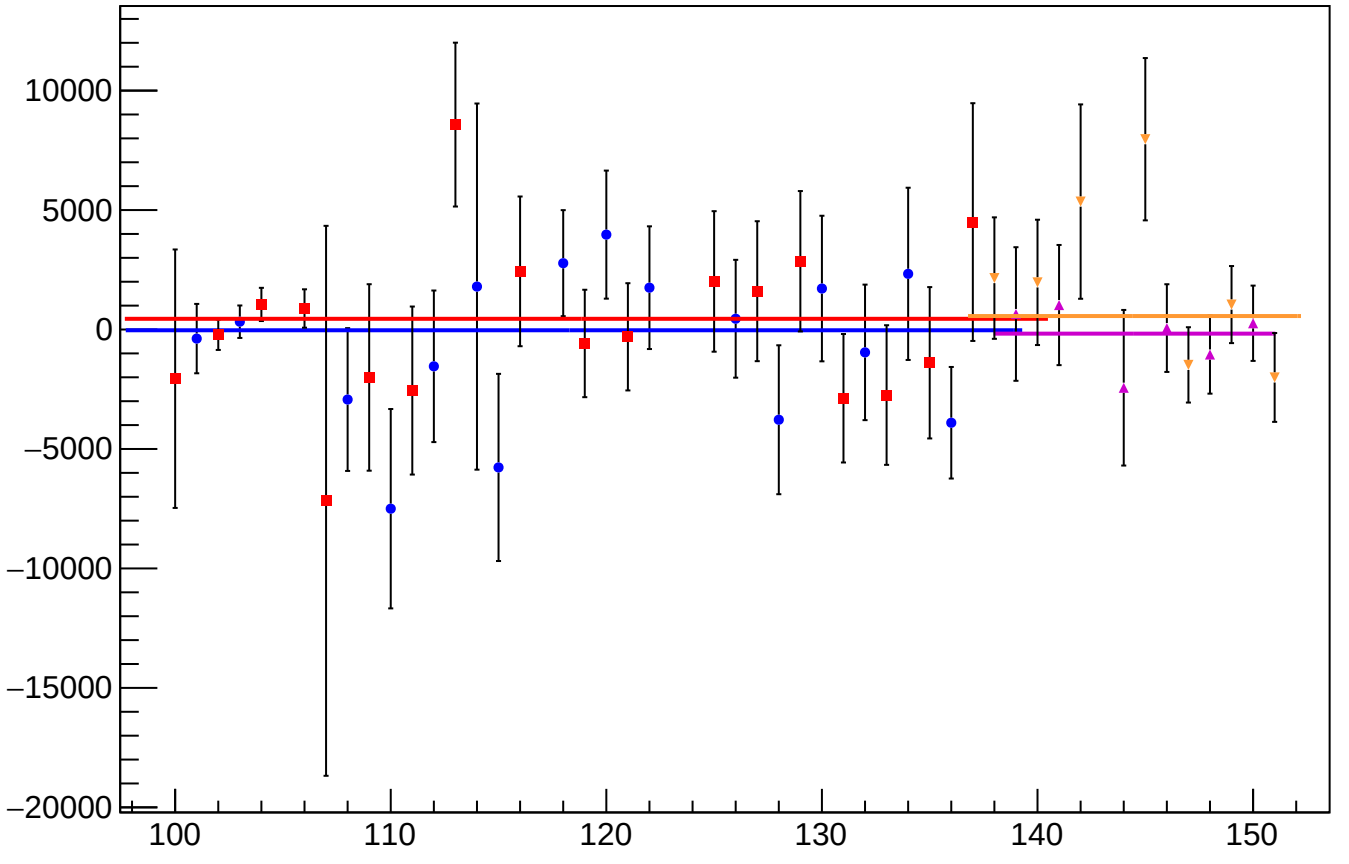
Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2191.816+/-0.675 χ^2/NDF:369.8/5

+ sign 2273.360+/-0.457 χ^2/NDF: 529575.1/22

All: 2280.067+/-0.324 χ^2/NDF: 777606.8/46

- sign 2286.870+/-0.460 χ^2/NDF: 247598.2/23



Right In: -31.400+/-485.331 χ^2/NDF: 16.3/15

Left Out: 563.800+/-810.209 χ^2/NDF:10.5/6

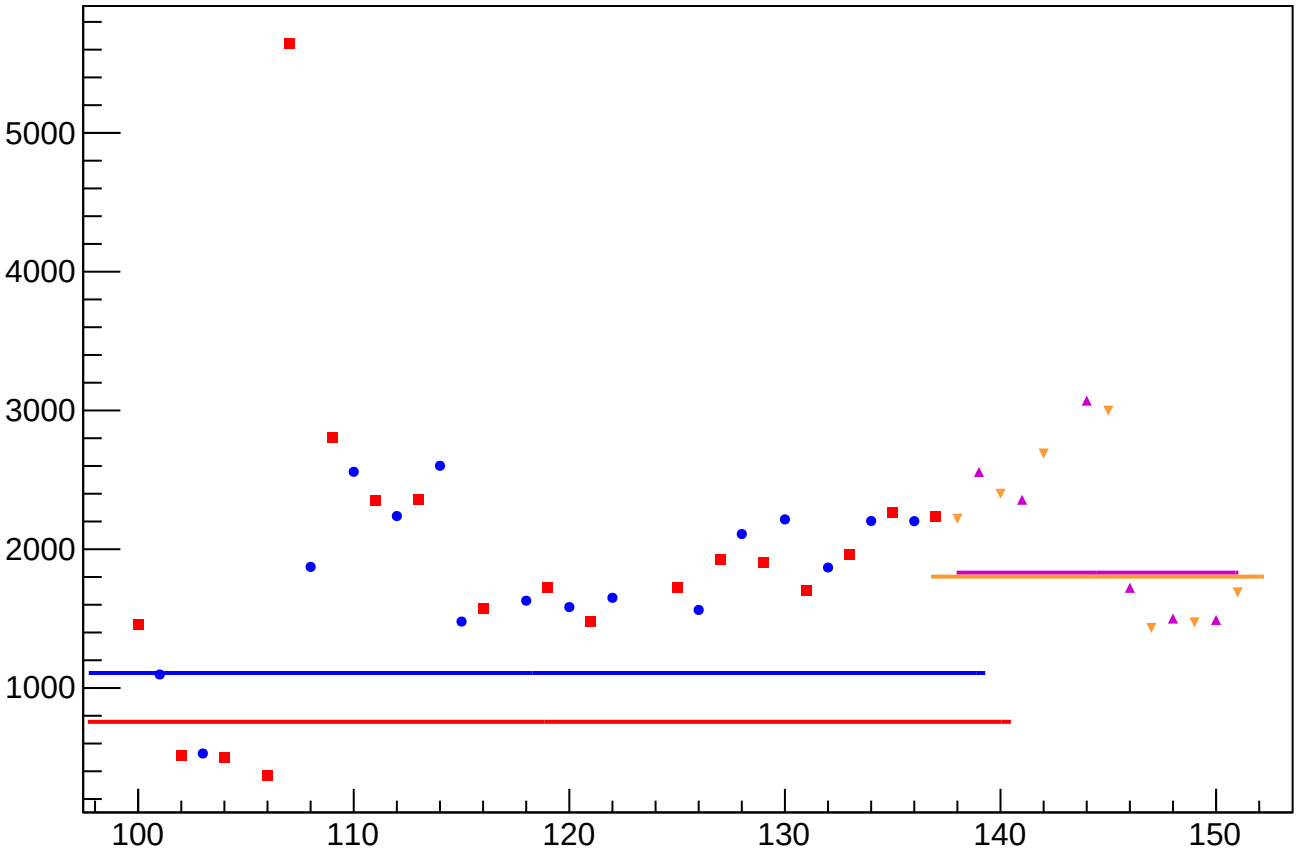
Right Out: 448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: -172.752+/-829.760 χ^2/NDF:1.2/5

+ sign 125.775+/-416.348 χ^2/NDF: 27.2/22

All: 261.972+/-259.691 χ^2/NDF: 44.1/46

- sign 348.700+/-332.241 χ^2/NDF: 16.7/23



Right In: 1108.149+/-0.343 χ^2/NDF: 3746402.0/15

Left Out: 1802.717+/-0.573 χ^2/NDF:701185.2/6

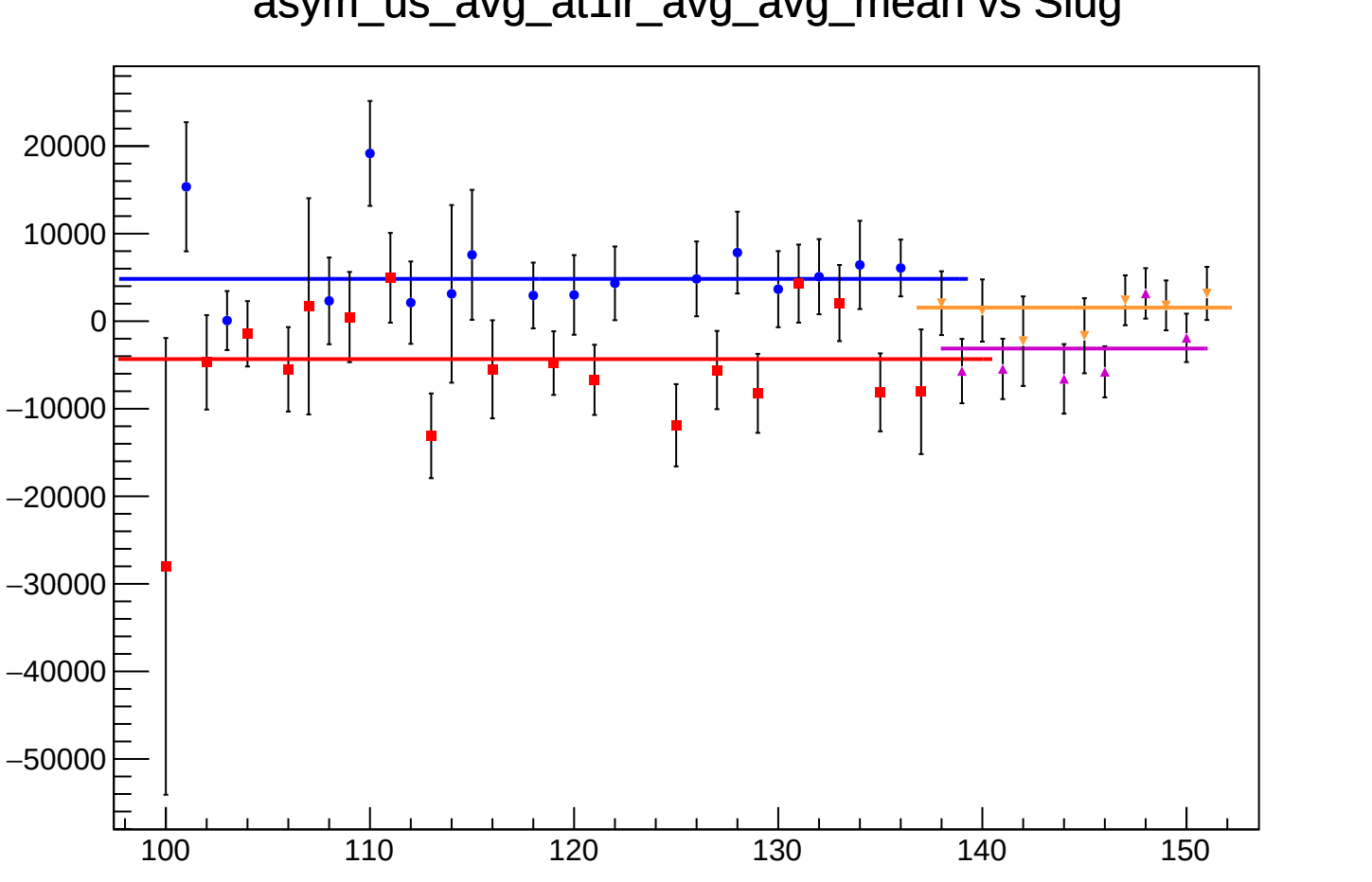
Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

Left In: 1831.471+/-0.587 χ^2/NDF:694071.0/5

+ sign 1291.564+/-0.294 χ^2/NDF: 5529276.3/22

All: 1069.925+/-0.184 χ^2/NDF: 15573043.0/4

- sign 928.789+/-0.235 χ^2/NDF: 9116086.8/23



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 1552.210+/-1289.208 χ^2/NDF:1.5/6

Right Out: -4328.601+/-1144.541 χ^2/NDF: 19.9/17

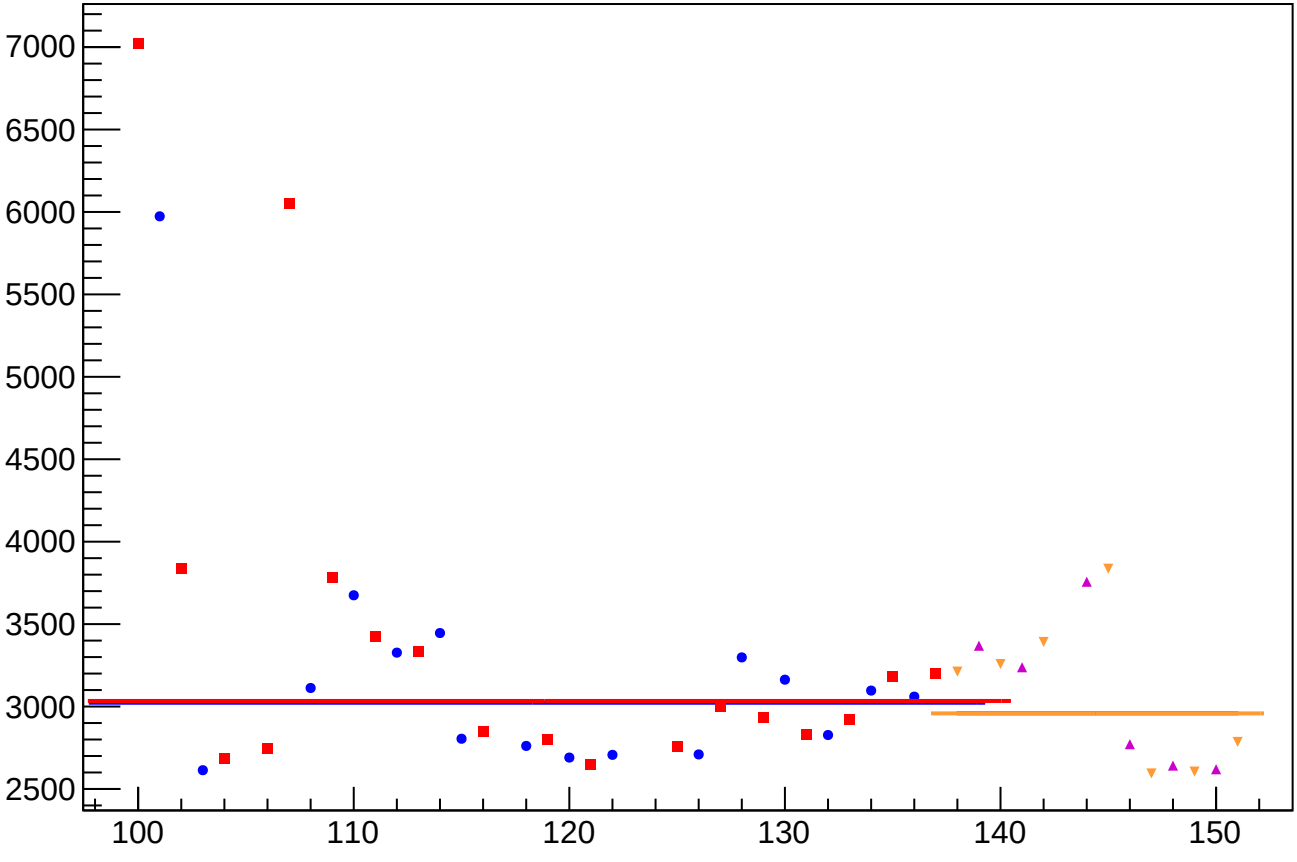
Left In: -3121.753+/-1302.183 χ^2/NDF:7.5/5

+ sign 3390.224+/-855.069 χ^2/NDF: 16.8/22

All: -186.877+/-606.247 χ^2/NDF: 79.9/46

- sign -3802.613+/-859.674 χ^2/NDF: 27.9/23

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 2958.416+/-0.912 χ^2/NDF:191791.6/6

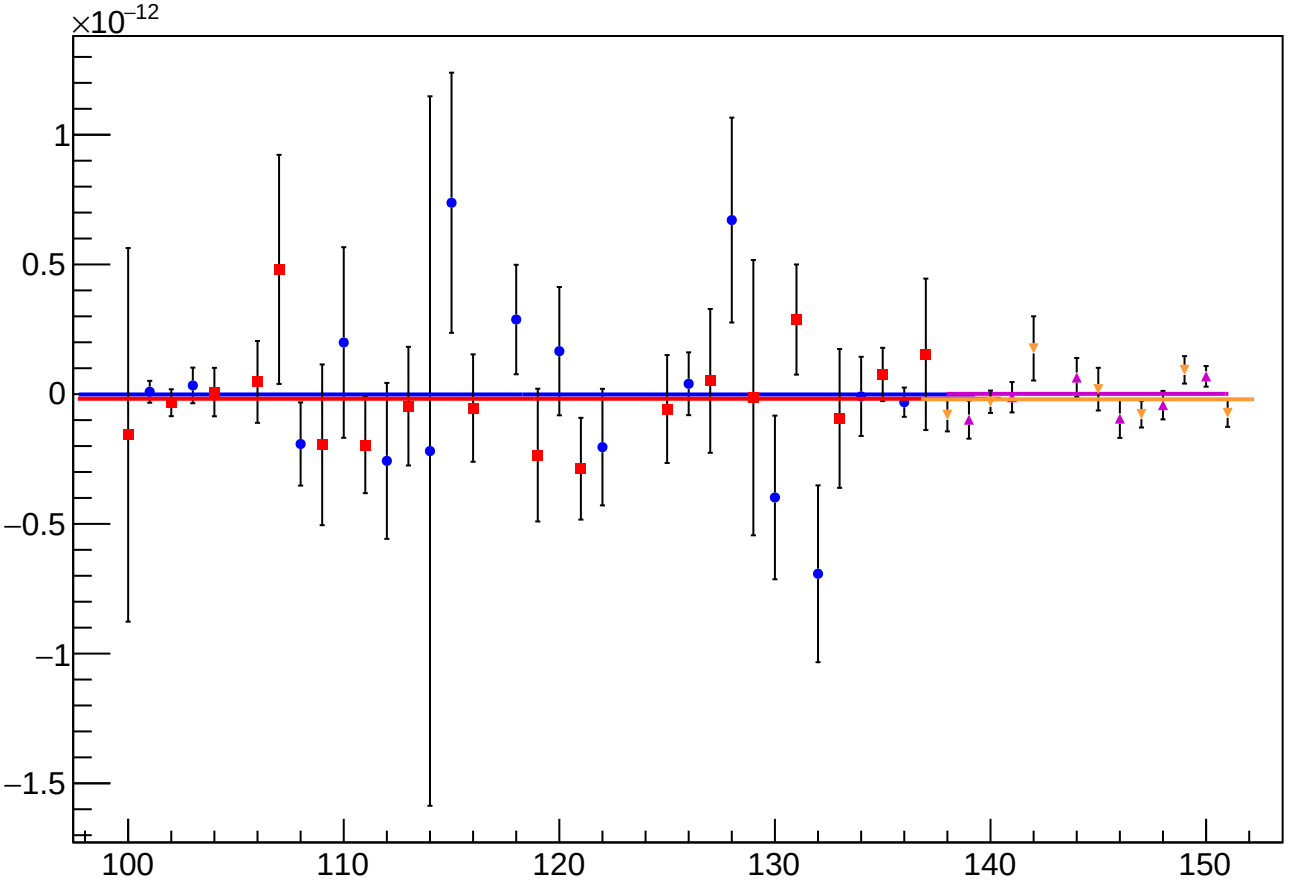
Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 2958.785+/-0.921 χ^2/NDF:181281.8/5

+ sign 2994.628+/-0.605 χ^2/NDF: 638314.6/22

All: 2997.869+/-0.429 χ^2/NDF: 1166080.2/46

- sign 3001.145+/-0.608 χ^2/NDF: 527707.8/23



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/6

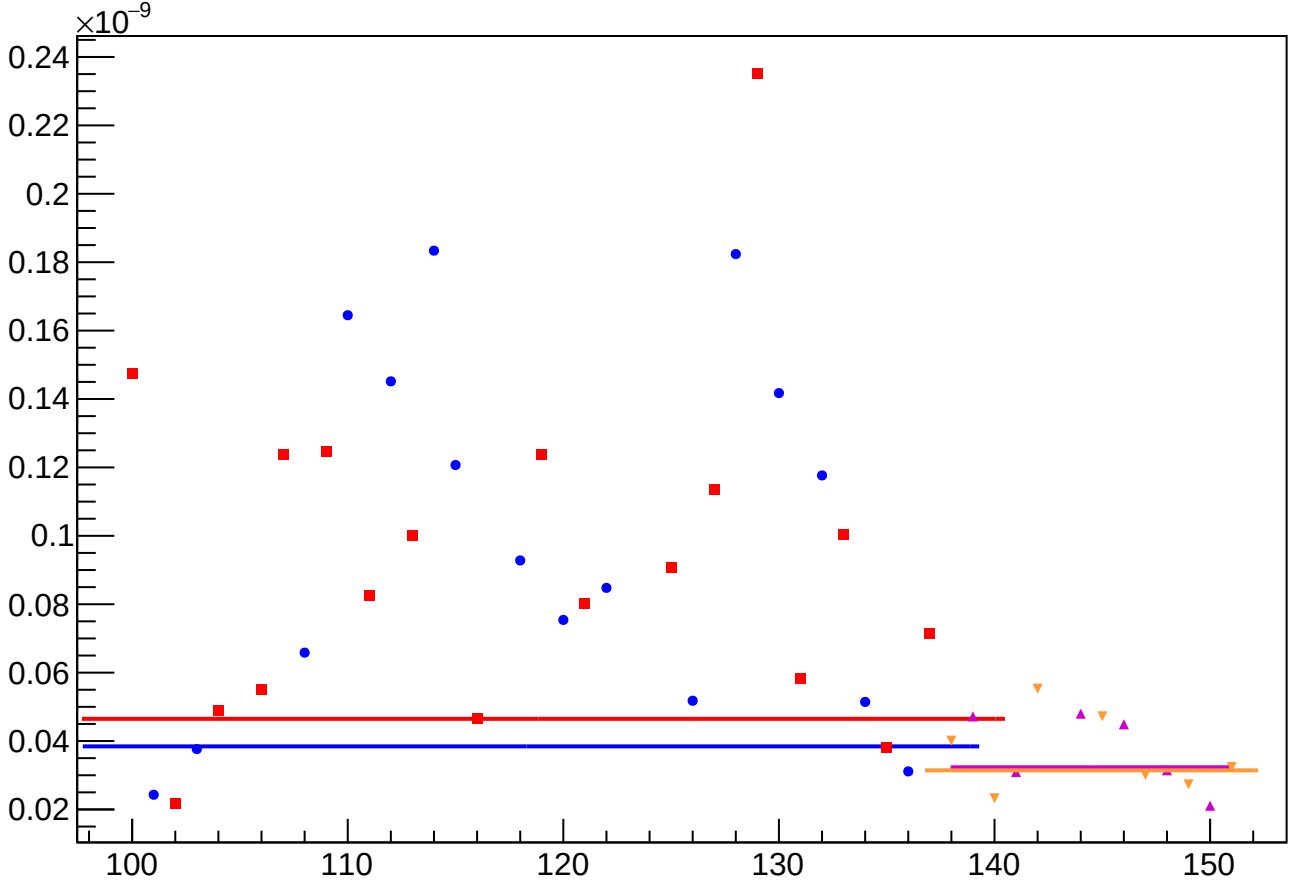
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: 0.000+/-0.000 χ^2/NDF:7.7/5

+ sign -0.000+/-0.000 χ^2/NDF: 27.8/22

All: -0.000+/-0.000 χ^2/NDF: 44.8/46

- sign -0.000+/-0.000 χ^2/NDF: 16.9/23



Right In: 0.000+/-0.000 χ^2/NDF: 1771405.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:270784.0/6

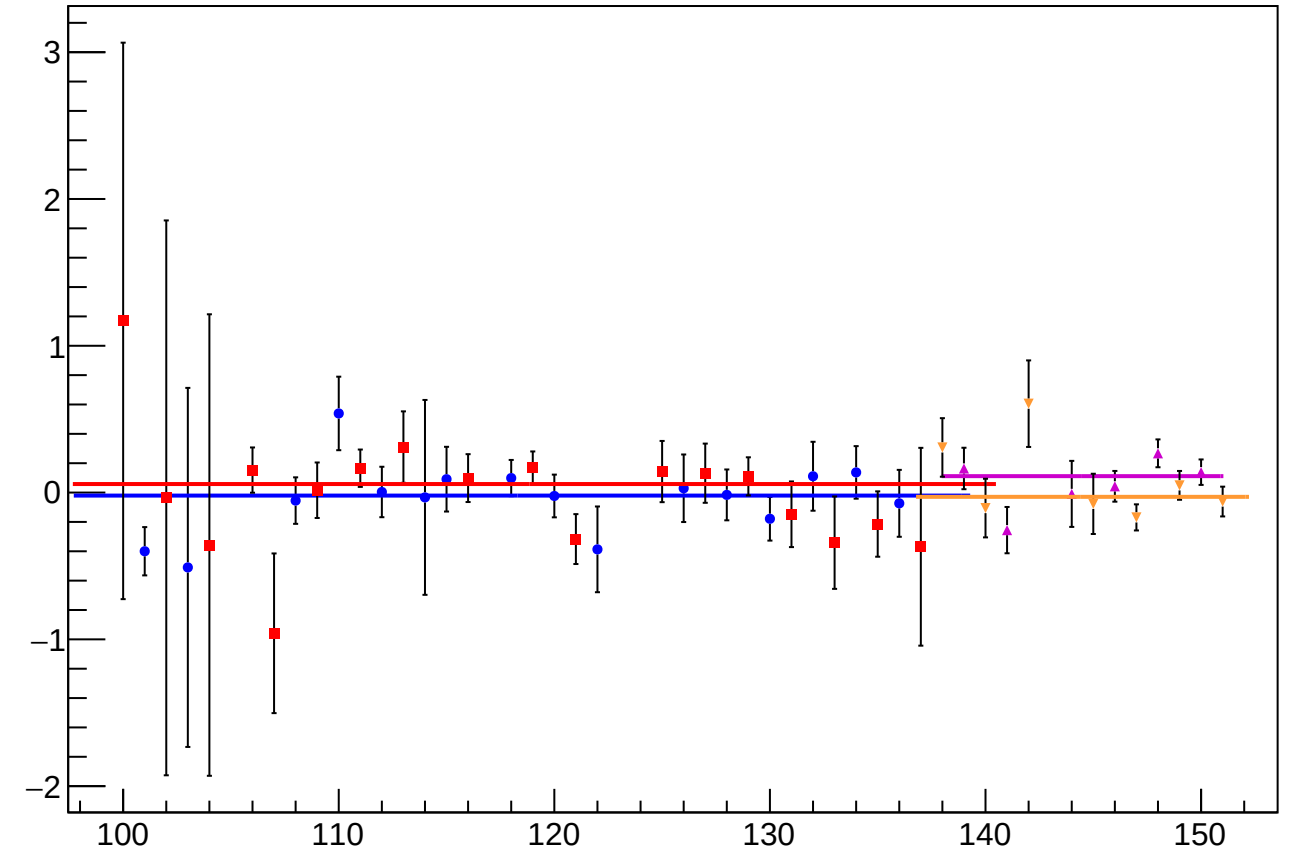
Right Out: 0.000+/-0.000 χ^2/NDF: 1697135.5/17

Left In: 0.000+/-0.000 χ^2/NDF:387679.3/5

+ sign 0.000+/-0.000 χ^2/NDF: 2122449.6/22

All: 0.000+/-0.000 χ^2/NDF: 4457780.9/46

- sign 0.000+/-0.000 χ^2/NDF: 2314582.3/23



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.029+/-0.049 χ^2/NDF:10.9/6

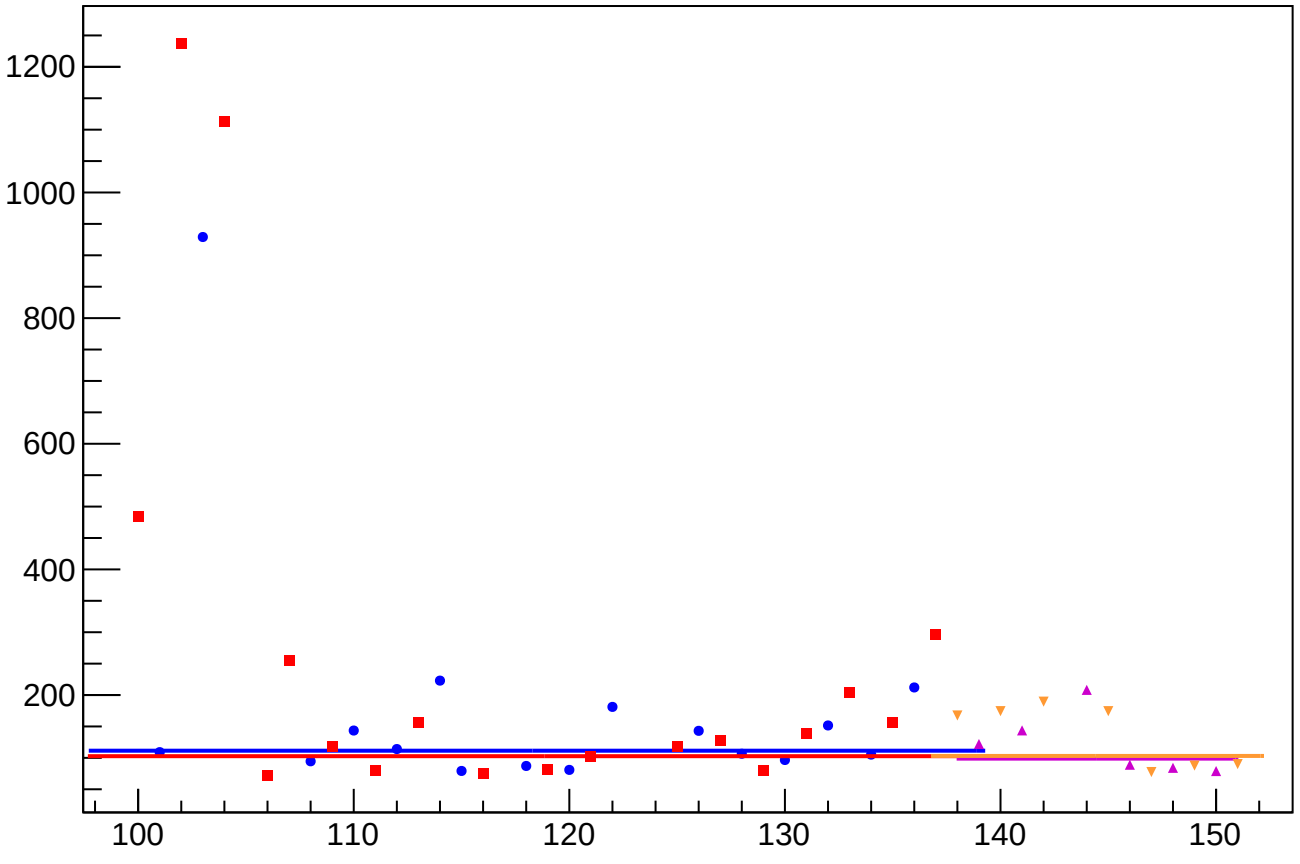
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.112+/-0.047 χ^2/NDF:9.1/5

+ sign -0.025+/-0.034 χ^2/NDF: 26.5/22

All: 0.032+/-0.024 χ^2/NDF: 58.4/46

- sign 0.084+/-0.033 χ^2/NDF: 26.6/23



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 103.068+/-0.035 χ^2/NDF:1124280.7/6

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

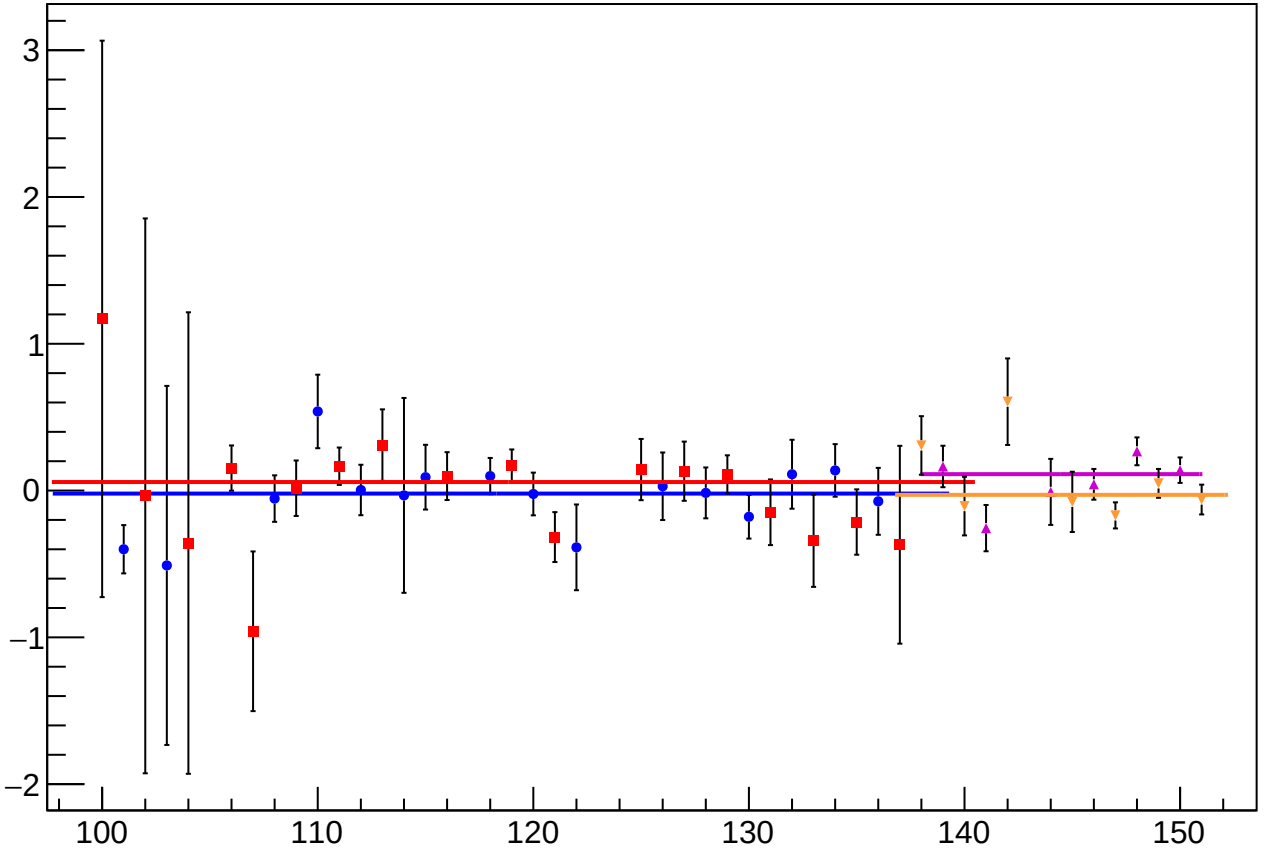
Left In: 98.794+/-0.034 χ^2/NDF:859300.3/5

+ sign 107.374+/-0.024 χ^2/NDF: 2993287.0/22

All: 103.969+/-0.017 χ^2/NDF: 6724660.1/46

- sign 100.774+/-0.023 χ^2/NDF: 3692995.6/23

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: -0.029+/-0.049 χ^2/NDF:10.9/6

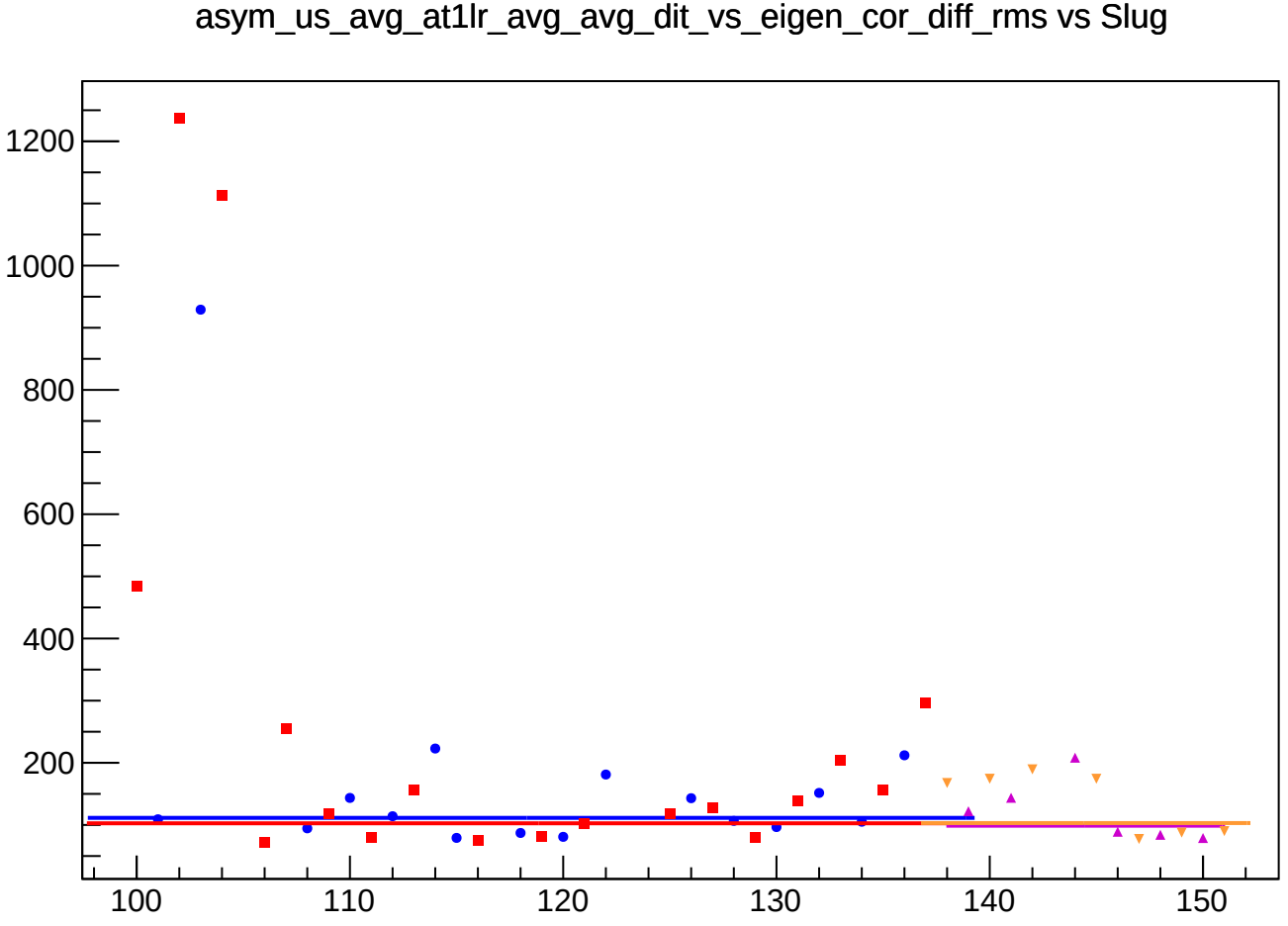
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.112+/-0.047 χ^2/NDF:9.1/5

+ sign -0.025+/-0.034 χ^2/NDF: 26.5/22

All: 0.032+/-0.024 χ^2/NDF: 58.4/46

- sign 0.084+/-0.033 χ^2/NDF: 26.6/23



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 103.068+/-0.035 χ^2/NDF:1124280.7/6

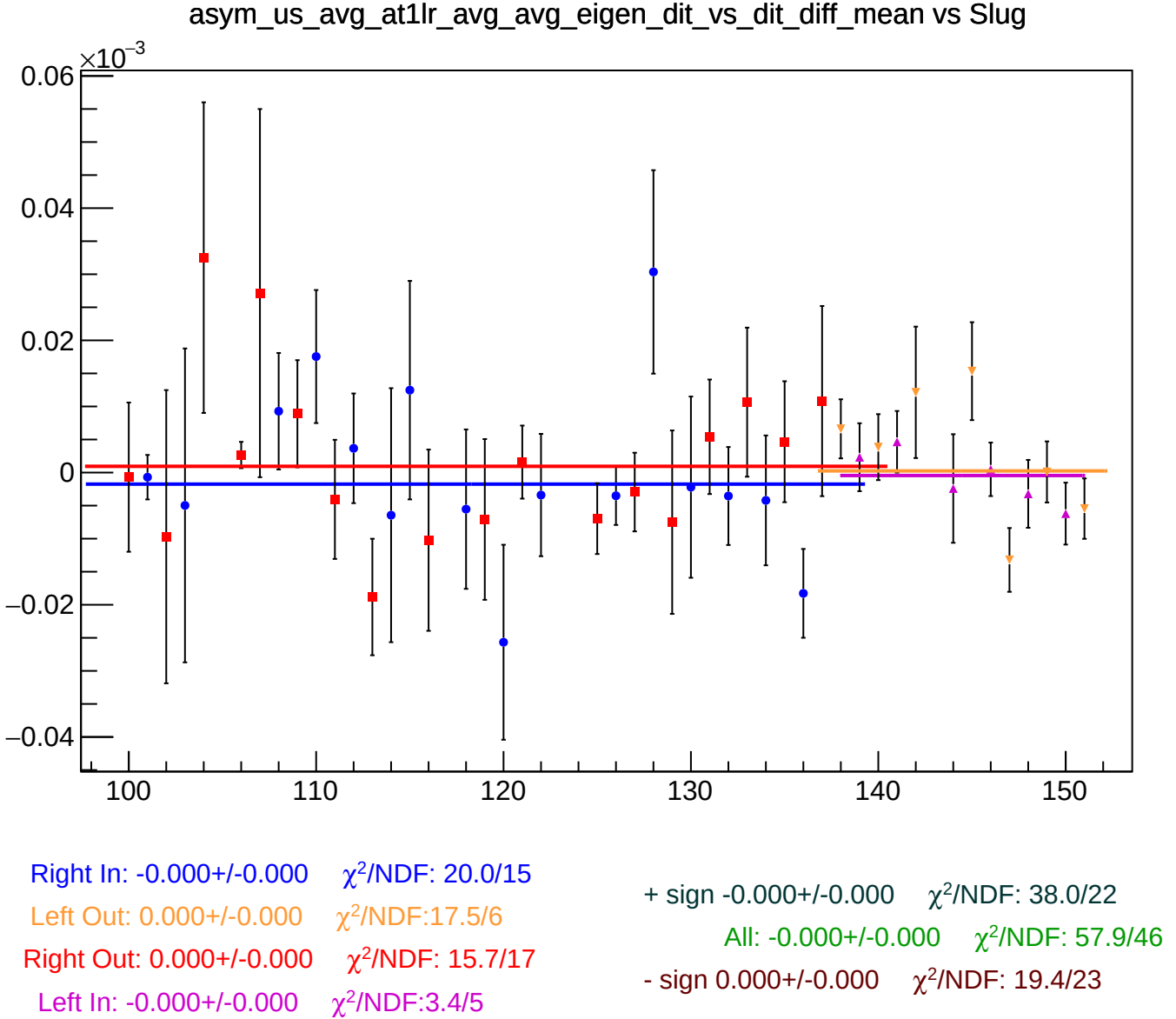
Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

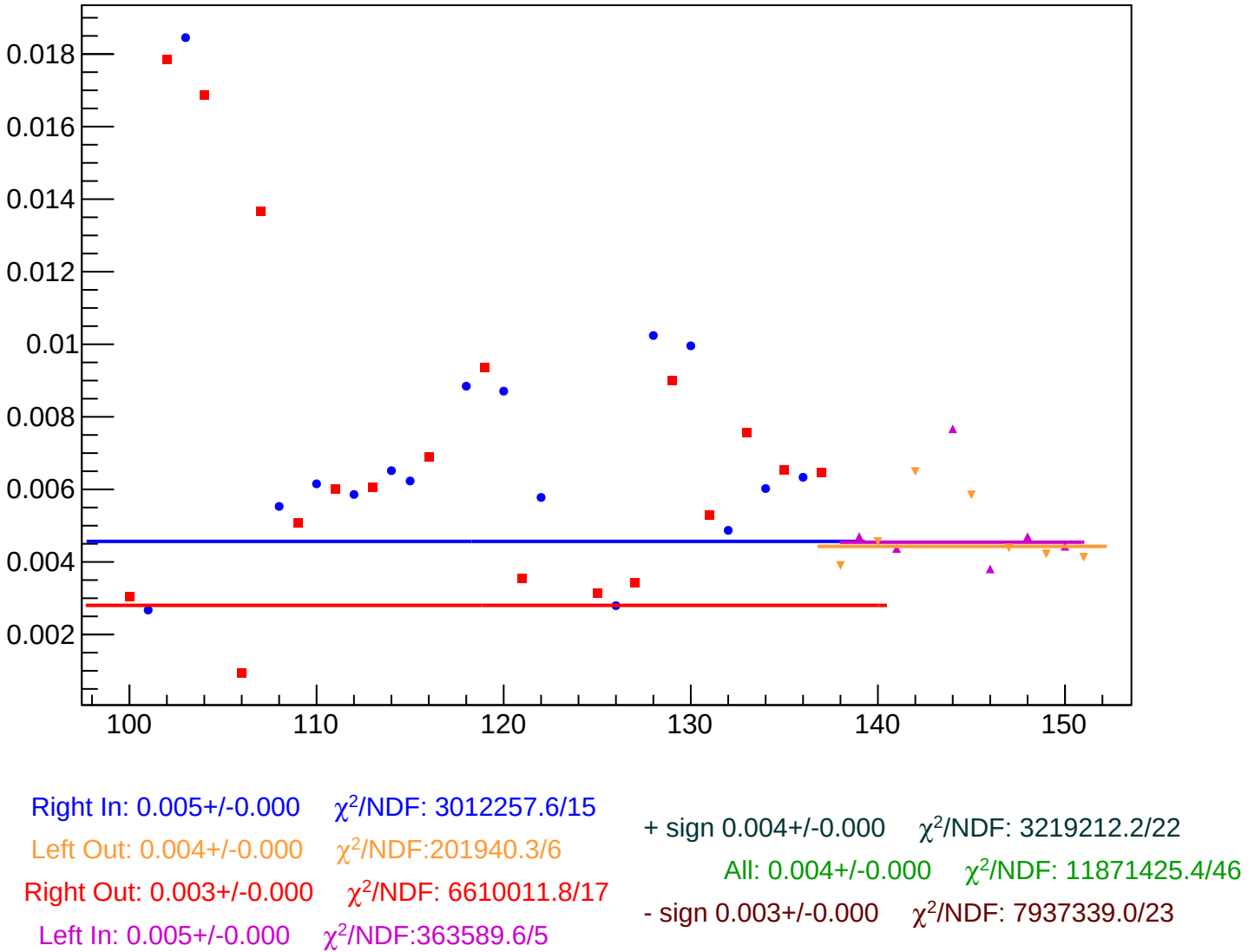
Left In: 98.794+/-0.034 χ^2/NDF:859300.3/5

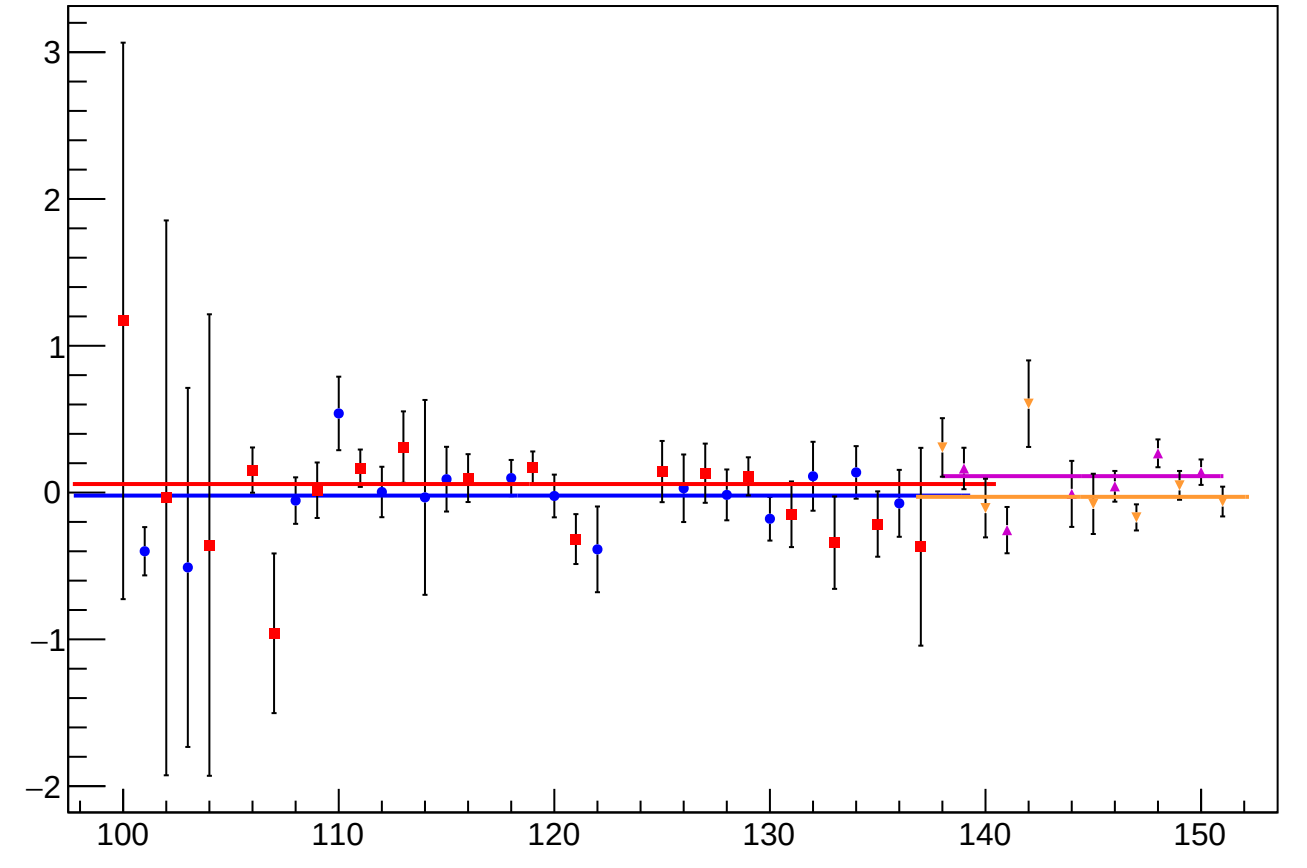
+ sign 107.374+/-0.024 χ^2/NDF: 2993287.0/22

All: 103.969+/-0.017 χ^2/NDF: 6724660.1/46

- sign 100.774+/-0.023 χ^2/NDF: 3692995.6/23


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
Right In: -0.000+/-0.000 χ²/NDF: 20.0/15
Left Out: 0.000+/-0.000 χ²/NDF:17.5/6
Right Out: 0.000+/-0.000 χ²/NDF: 15.7/17
Left In: -0.000+/-0.000 χ²/NDF:3.4/5
+ sign -0.000+/-0.000 χ²/NDF: 38.0/22
All: -0.000+/-0.000 χ²/NDF: 57.9/46
- sign 0.000+/-0.000 χ²/NDF: 19.4/23


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
Right In: 0.005+/-0.000 χ²/NDF: 3012257.6/15
Left Out: 0.004+/-0.000 χ²/NDF:201940.3/6
Right Out: 0.003+/-0.000 χ²/NDF: 6610011.8/17
Left In: 0.005+/-0.000 χ²/NDF:363589.6/5
+ sign 0.004+/-0.000 χ²/NDF: 3219212.2/22
All: 0.004+/-0.000 χ²/NDF: 11871425.4/46
- sign 0.003+/-0.000 χ²/NDF: 7937339.0/23



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.029+/-0.049 χ^2/NDF:10.9/6

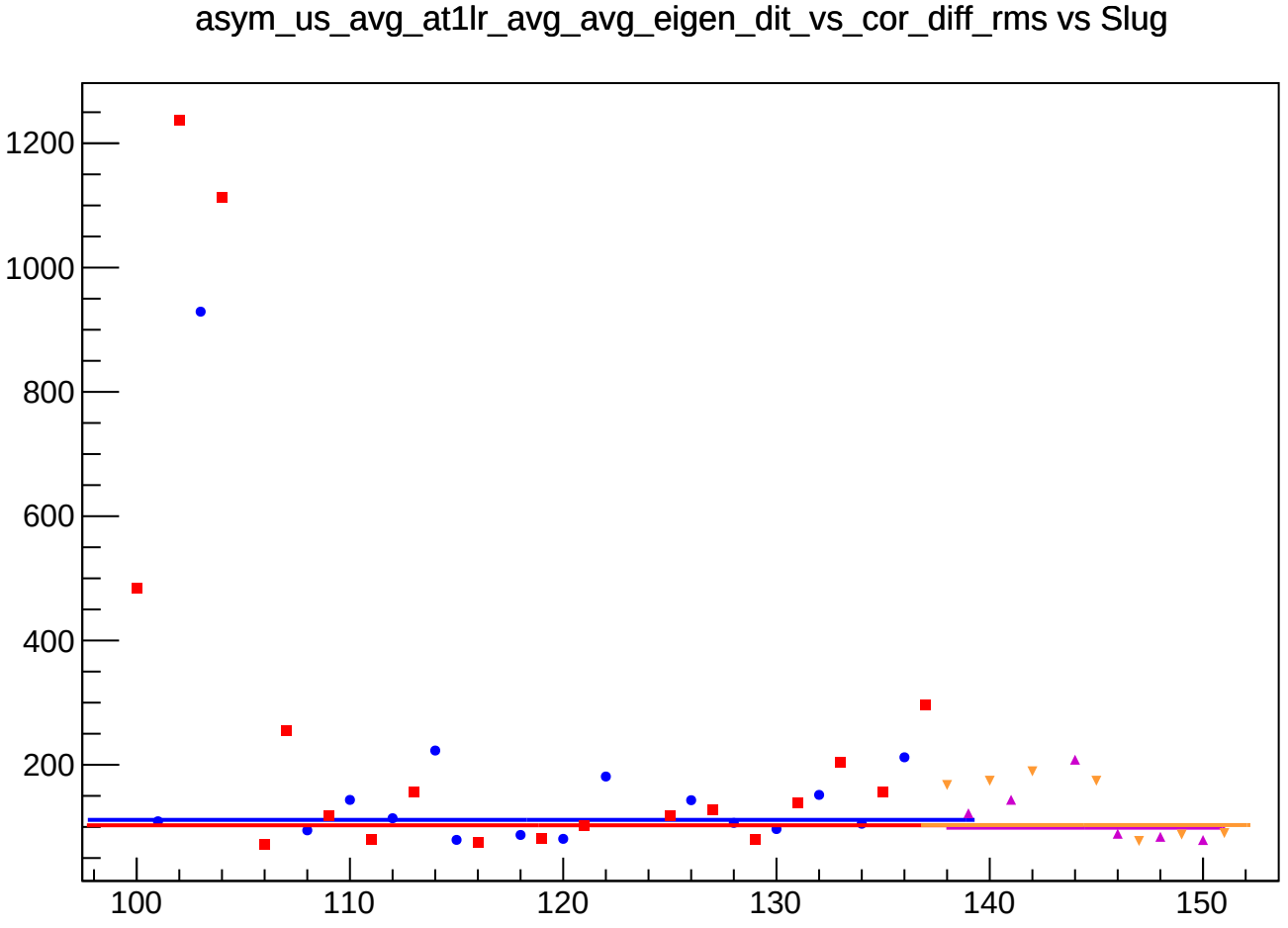
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.112+/-0.047 χ^2/NDF:9.1/5

+ sign -0.025+/-0.034 χ^2/NDF: 26.5/22

All: 0.032+/-0.024 χ^2/NDF: 58.4/46

- sign 0.084+/-0.033 χ^2/NDF: 26.6/23



Right In: 111.404+/-0.034 χ^2/NDF: 1839407.3/15

Left Out: 103.069+/-0.035 χ^2/NDF:1124254.7/6

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

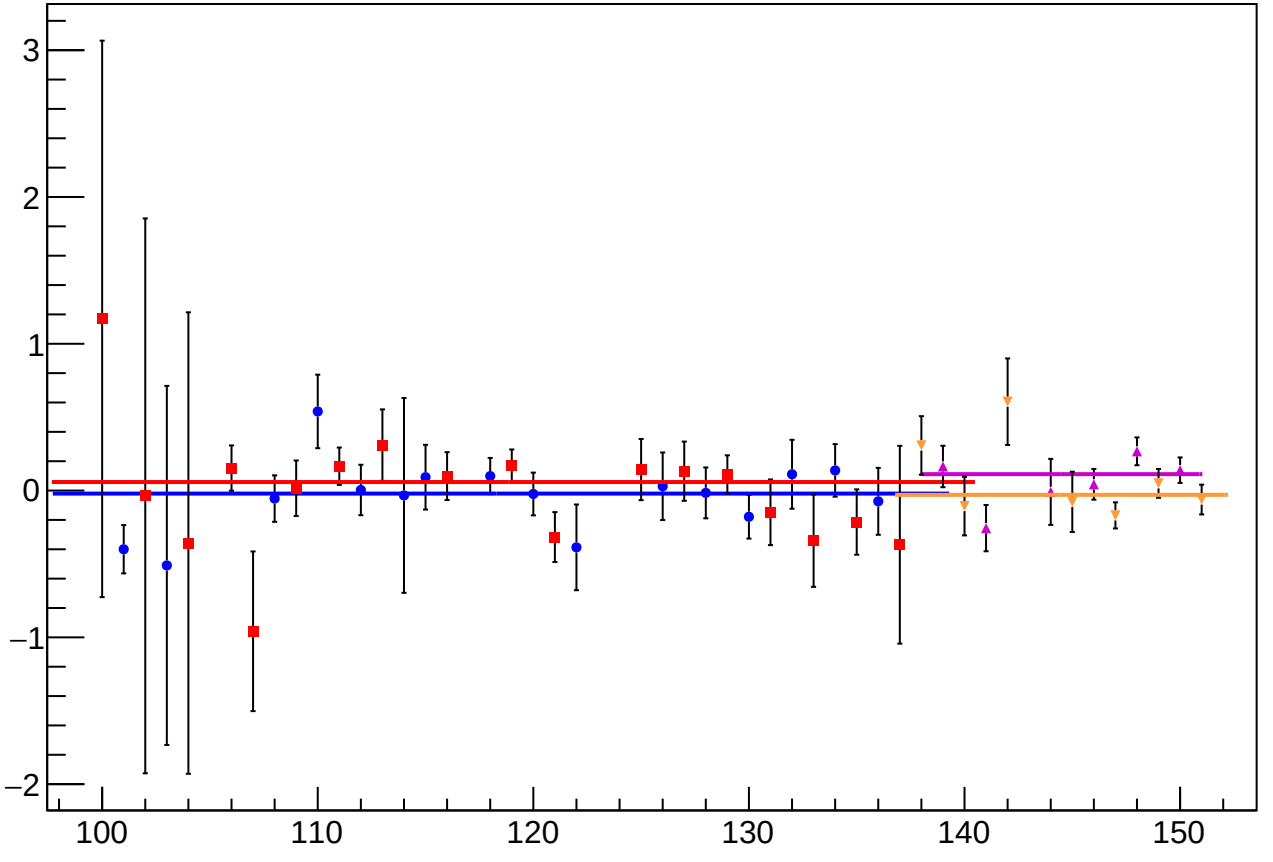
Left In: 98.794+/-0.034 χ^2/NDF:859296.6/5

+ sign 107.373+/-0.024 χ^2/NDF: 2993283.7/22

All: 103.968+/-0.017 χ^2/NDF: 6724637.8/46

- sign 100.773+/-0.023 χ^2/NDF: 3692980.5/23

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: -0.029+/-0.049 χ^2/NDF:10.9/6

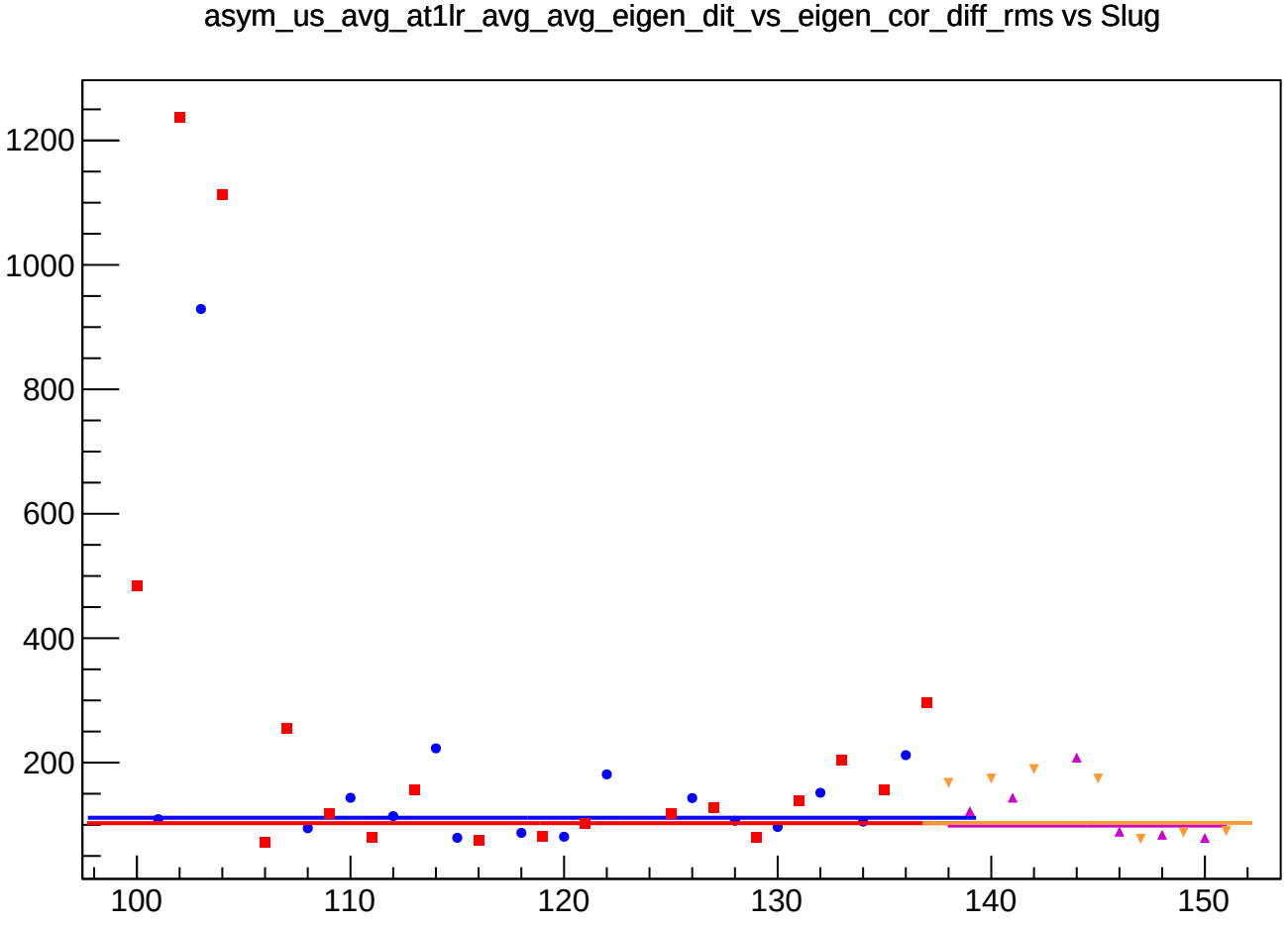
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.112+/-0.047 χ^2/NDF:9.1/5

+ sign -0.025+/-0.034 χ^2/NDF: 26.5/22

All: 0.032+/-0.024 χ^2/NDF: 58.4/46

- sign 0.084+/-0.033 χ^2/NDF: 26.6/23



Right In: 111.404+/-0.034 χ^2/NDF: 1839407.3/15

Left Out: 103.069+/-0.035 χ^2/NDF:1124254.7/6

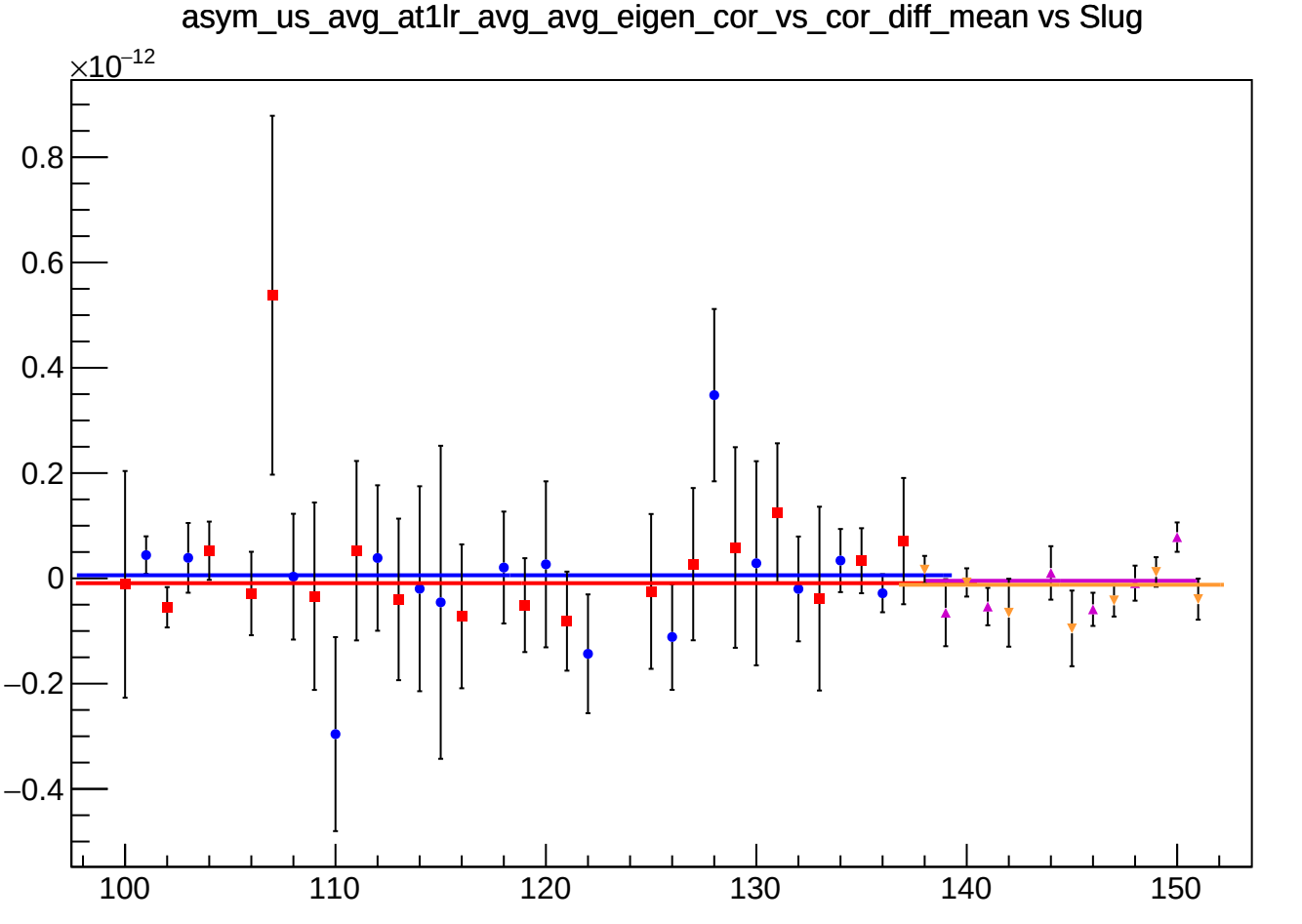
Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

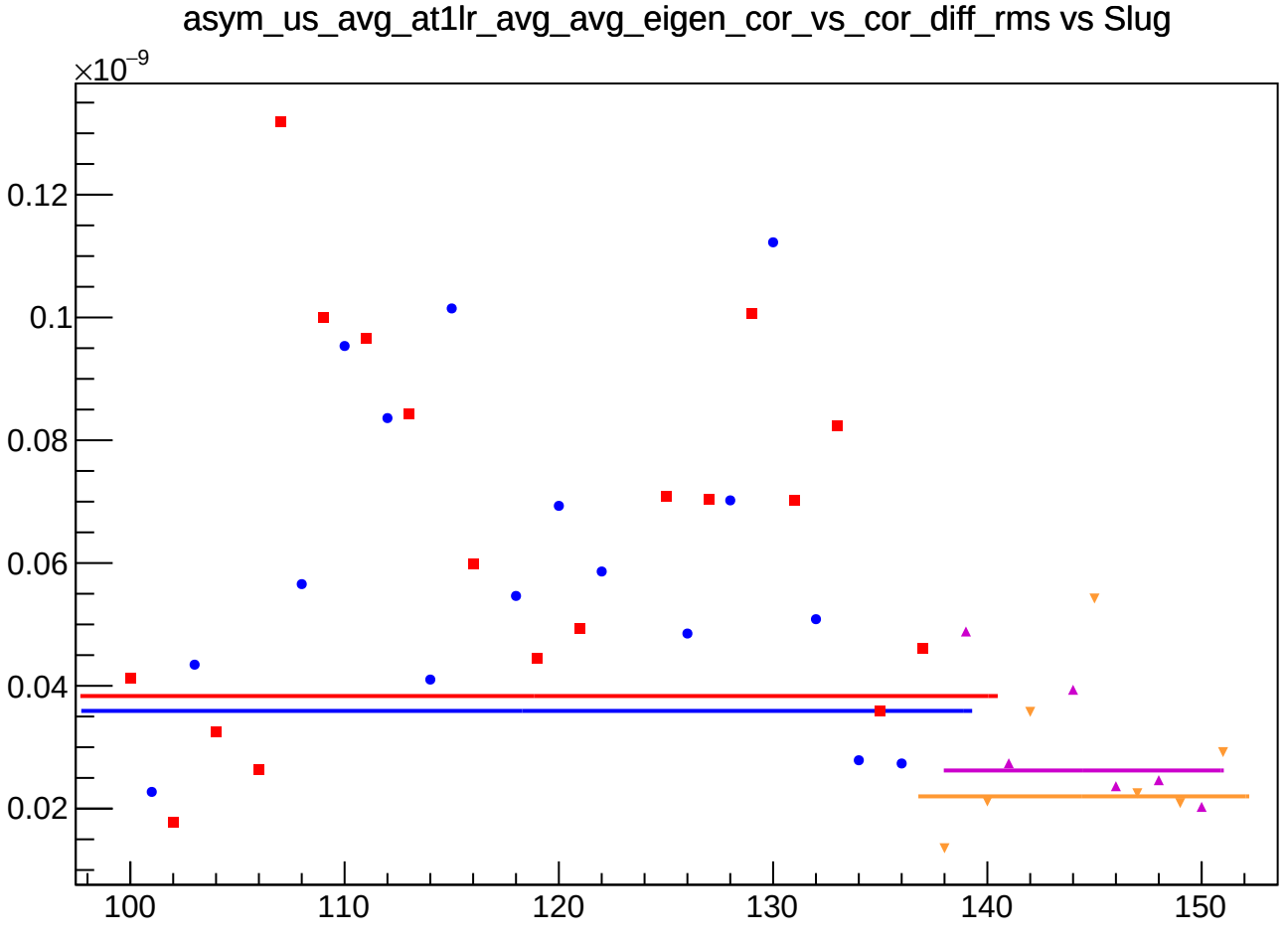
Left In: 98.794+/-0.034 χ^2/NDF:859296.6/5

+ sign 107.373+/-0.024 χ^2/NDF: 2993283.7/22

All: 103.968+/-0.017 χ^2/NDF: 6724637.8/46

- sign 100.773+/-0.023 χ^2/NDF: 3692980.5/23


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
Right In: 0.000+/-0.000 χ²/NDF: 12.9/15
Left Out: -0.000+/-0.000 χ²/NDF:5.4/6
Right Out: -0.000+/-0.000 χ²/NDF: 8.7/17
Left In: -0.000+/-0.000 χ²/NDF:14.7/5
+ sign -0.000+/-0.000 χ²/NDF: 18.9/22
All: -0.000+/-0.000 χ²/NDF: 42.3/46
- sign -0.000+/-0.000 χ²/NDF: 23.4/23



Right In: 0.000+/-0.000 χ^2/NDF: 1759038.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:774149.7/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2202319.8/17

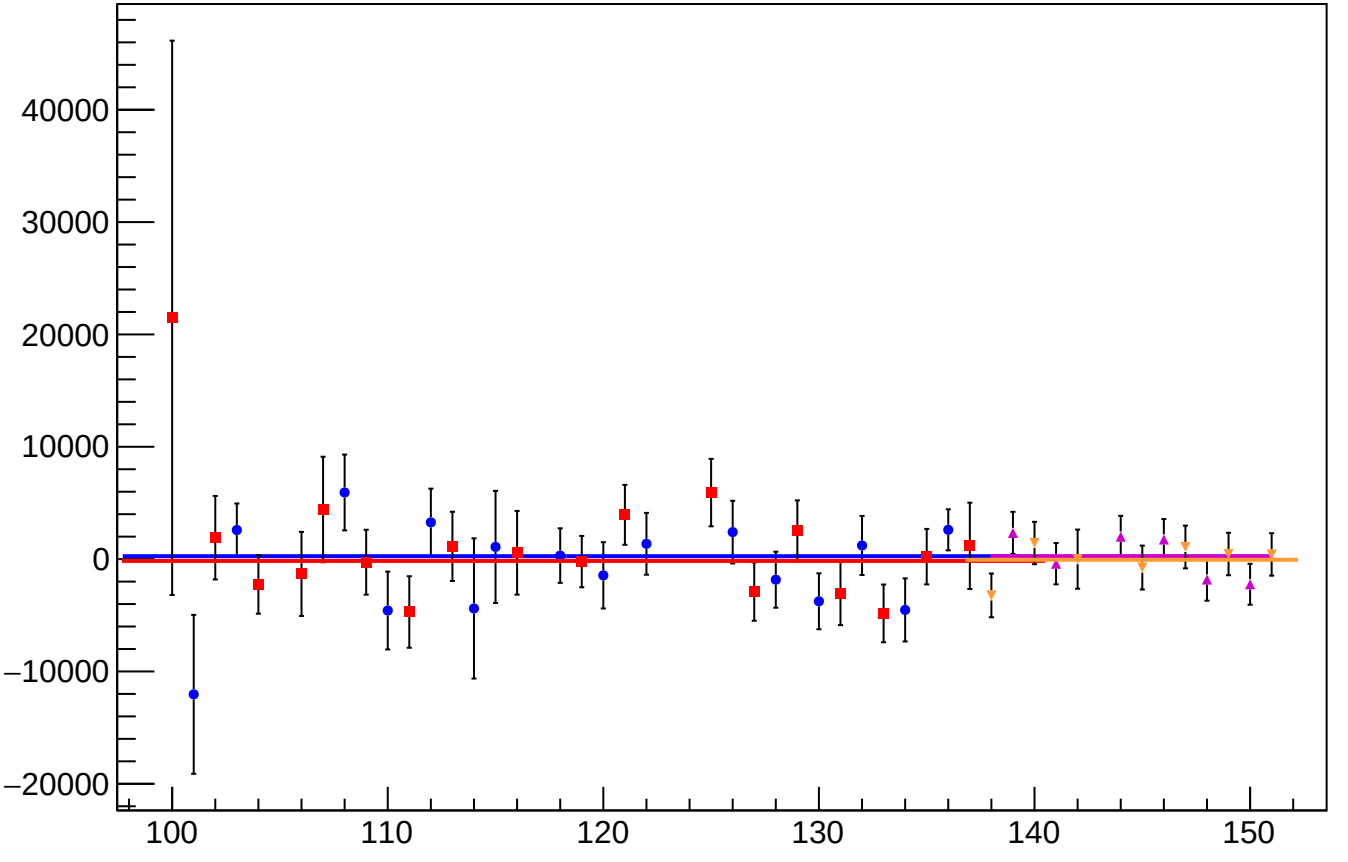
Left In: 0.000+/-0.000 χ^2/NDF:496812.0/5

+ sign 0.000+/-0.000 χ^2/NDF: 3267910.8/22

All: 0.000+/-0.000 χ^2/NDF: 6511401.9/46

- sign 0.000+/-0.000 χ^2/NDF: 3129280.6/23

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -56.783+/-747.952 χ^2/NDF:3.9/6

Right Out: -159.330+/-712.314 χ^2/NDF: 18.1/17

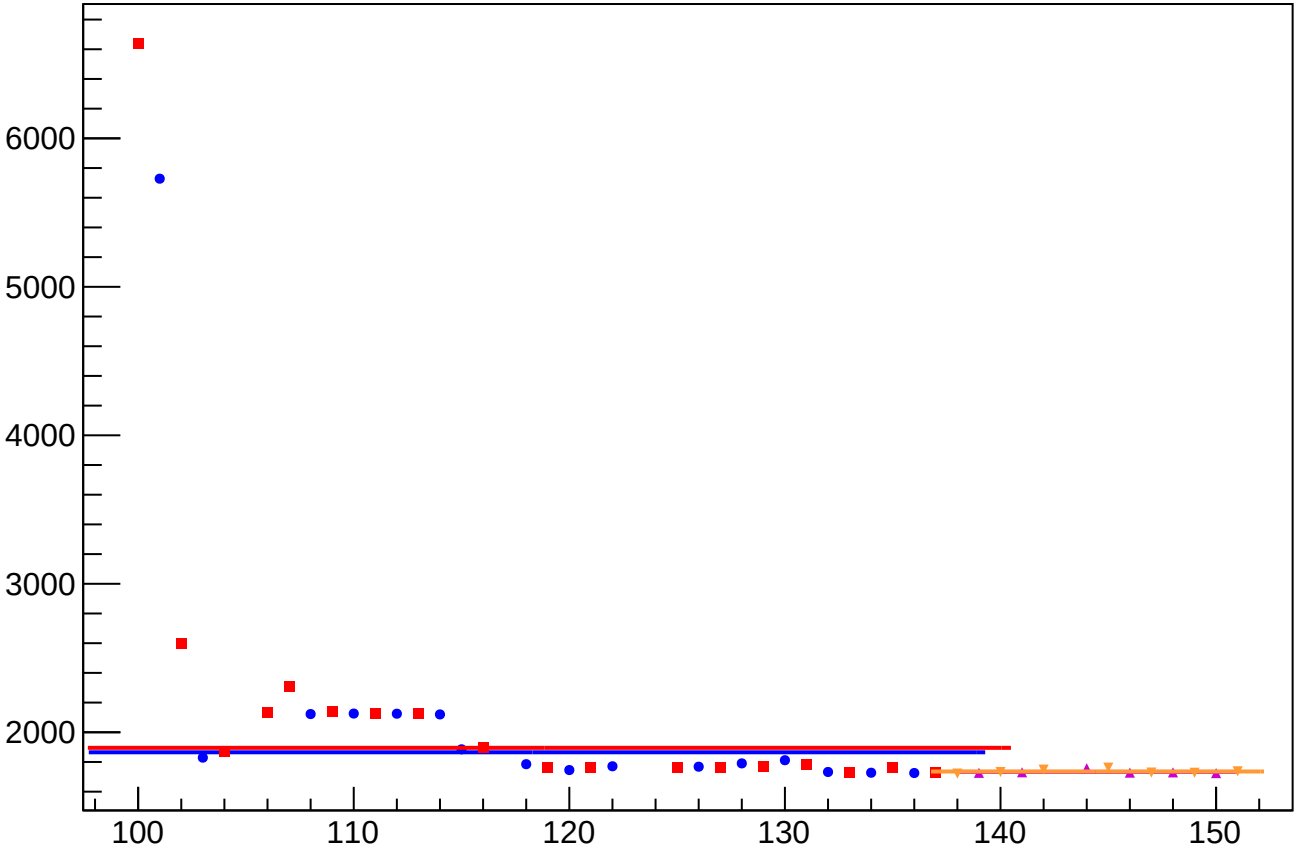
Left In: 266.668+/-754.740 χ^2/NDF:6.0/5

+ sign 109.654+/-514.825 χ^2/NDF: 23.4/22

All: 75.719+/-365.165 χ^2/NDF: 47.7/46

- sign 41.360+/-518.032 χ^2/NDF: 24.2/23

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1735.790+/-0.529 χ^2/NDF:581.5/6

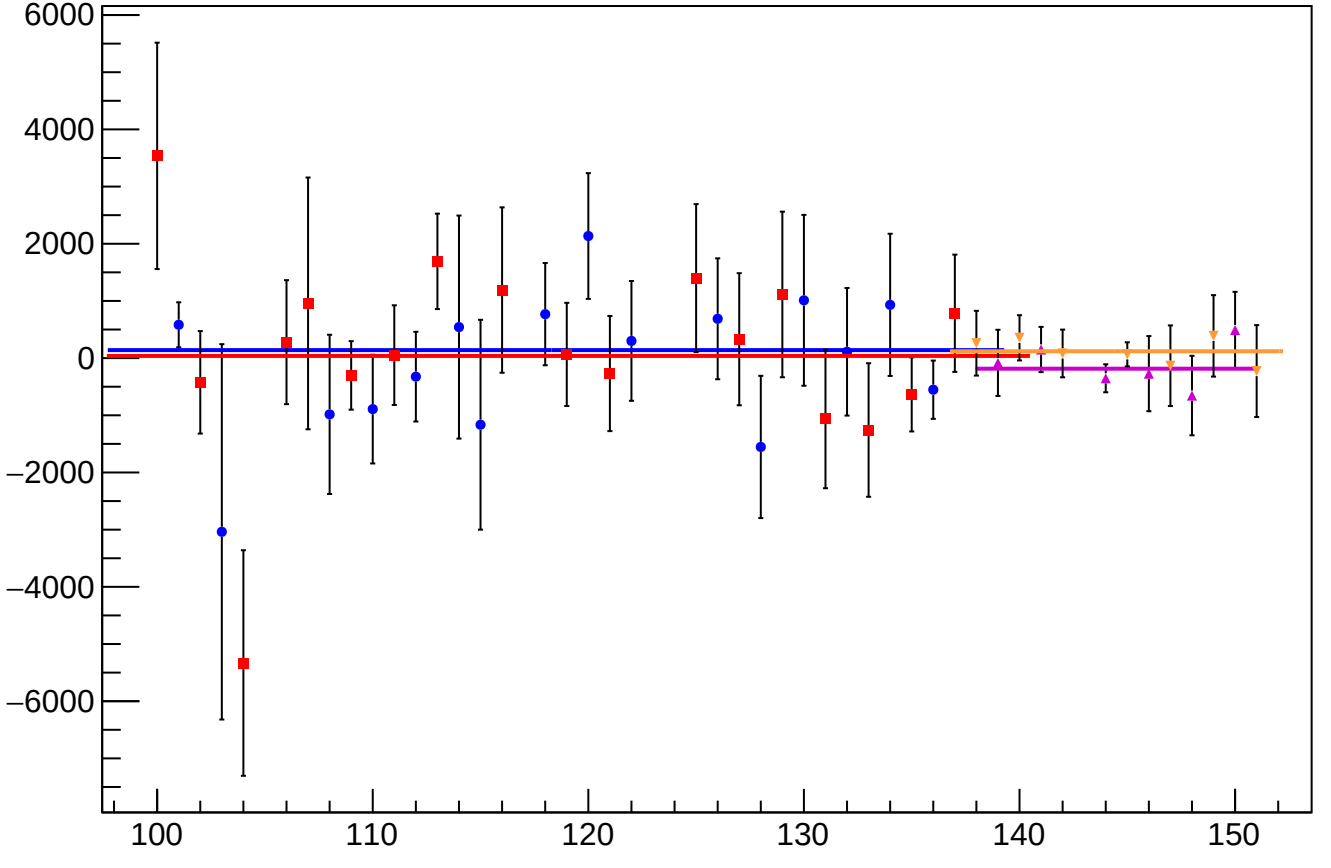
Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1733.058+/-0.534 χ^2/NDF:446.7/5

+ sign 1803.873+/-0.364 χ^2/NDF: 704797.5/22

All: 1811.310+/-0.258 χ^2/NDF: 1005740.6/46

- sign 1818.840+/-0.366 χ^2/NDF: 300103.1/23



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 119.756+/-151.668 χ^2/NDF:0.9/6

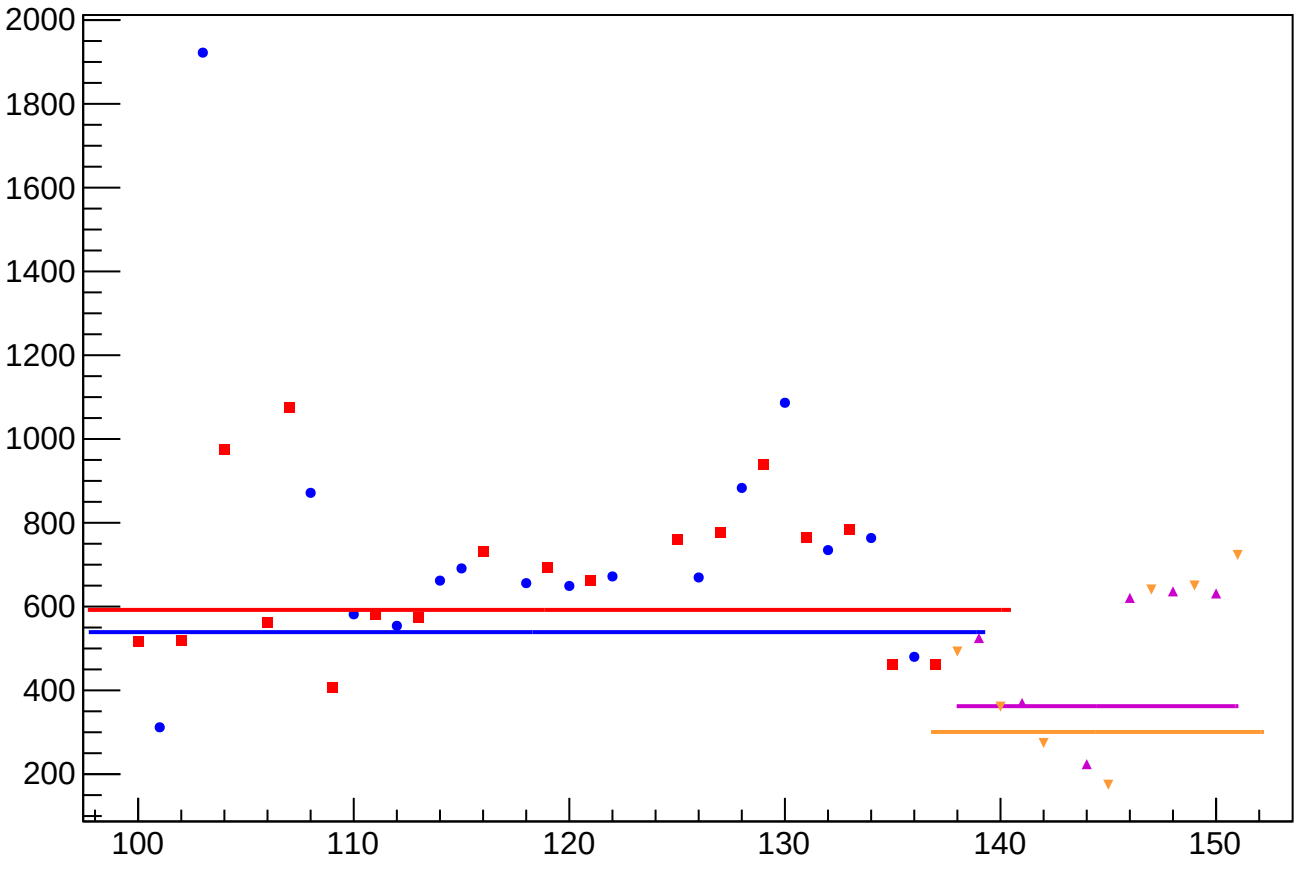
Right Out: 38.629+/-238.253 χ^2/NDF: 21.4/17

Left In: -184.910+/-174.952 χ^2/NDF:2.7/5

+ sign 126.209+/-124.888 χ^2/NDF: 14.4/22

All: 23.874+/-93.494 χ^2/NDF: 40.6/46

- sign -106.600+/-141.016 χ^2/NDF: 24.7/23



Right In: 539.016+/-0.156 χ^2/NDF: 1854576.5/15

Left Out: 300.715+/-0.107 χ^2/NDF:2503341.2/6

Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

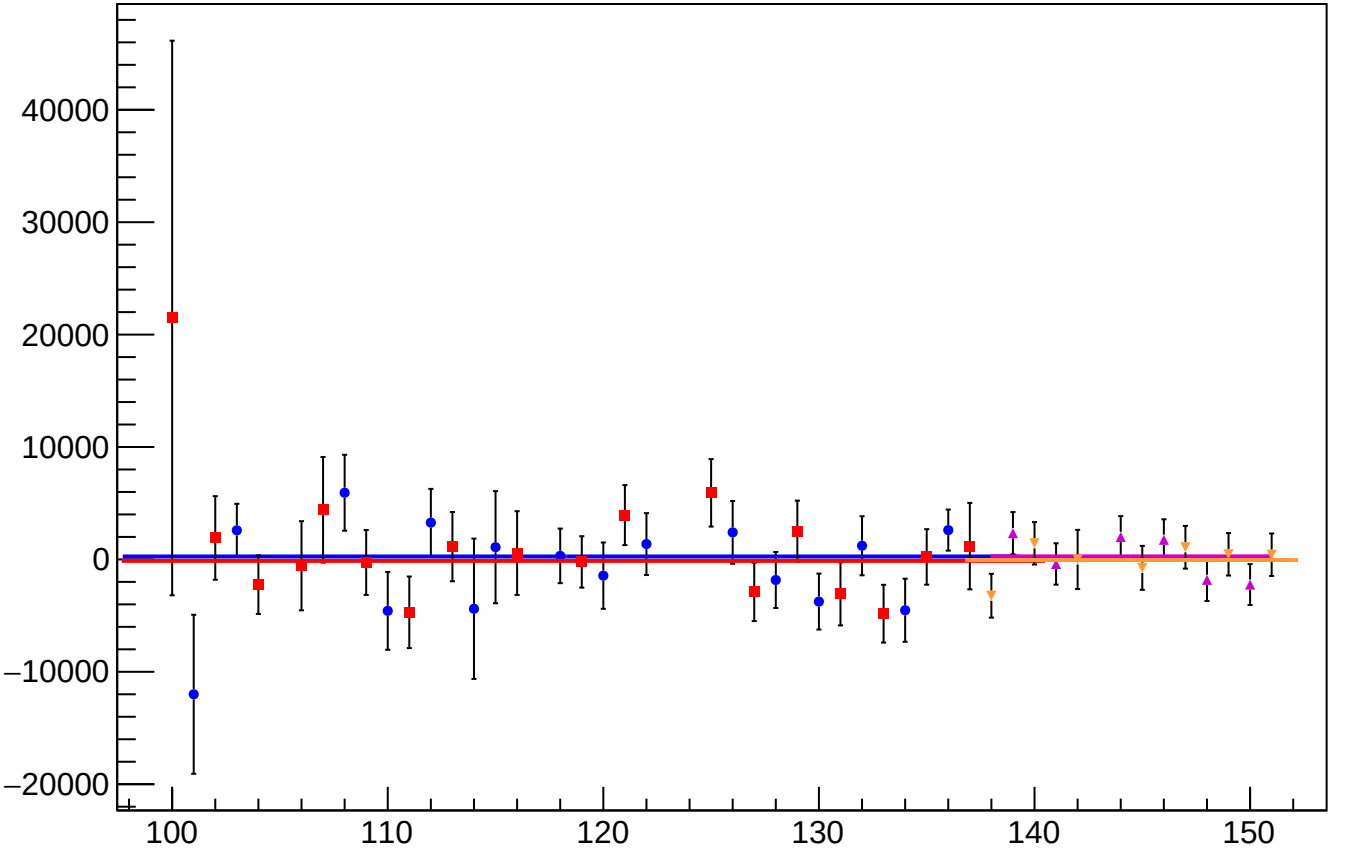
Left In: 362.293+/-0.124 χ^2/NDF:1741737.7/5

+ sign 377.438+/-0.088 χ^2/NDF: 5947549.9/22

All: 406.169+/-0.066 χ^2/NDF: 9982027.1/46

- sign 442.799+/-0.100 χ^2/NDF: 3793682.9/23

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -56.677+/-747.952 χ^2/NDF:3.9/6

Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

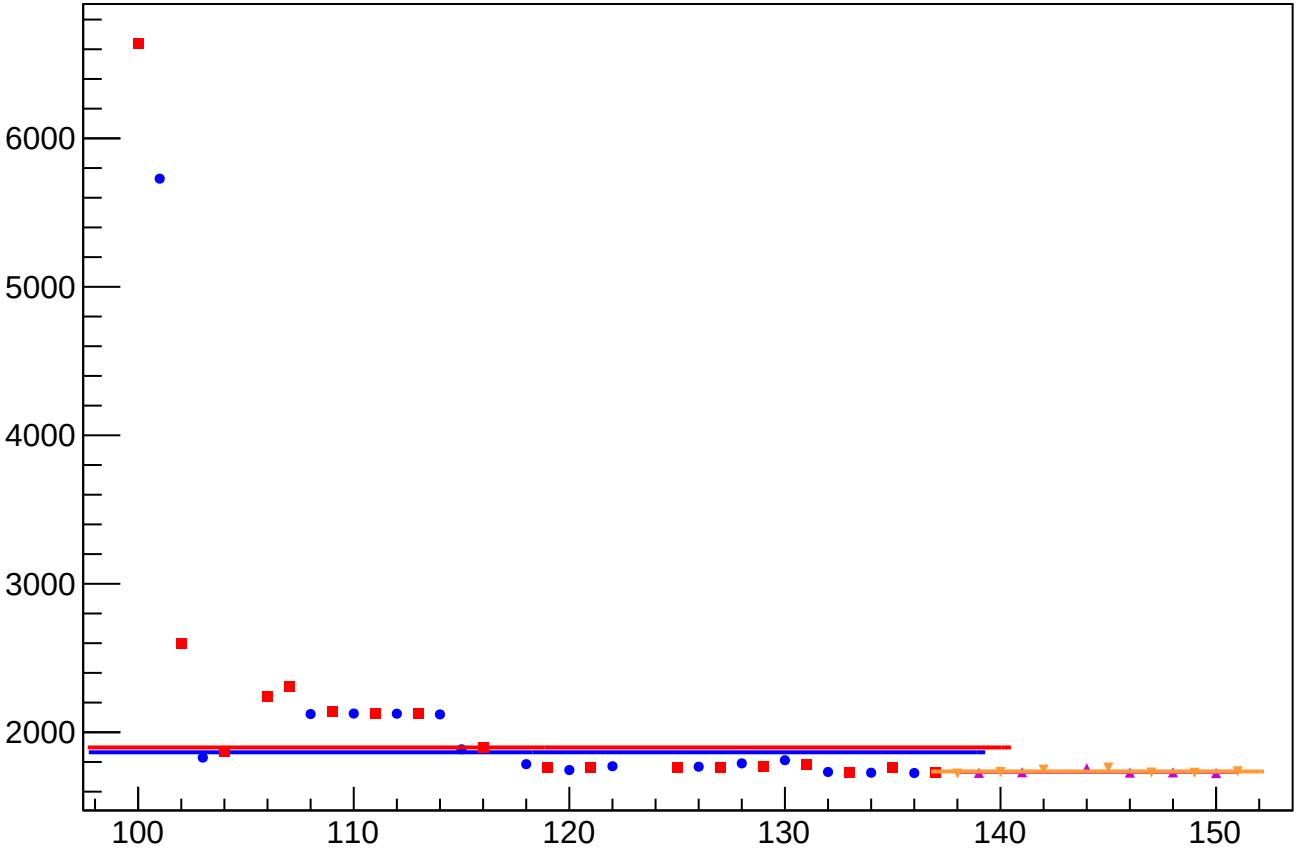
Left In: 266.808+/-754.740 χ^2/NDF:6.0/5

+ sign 109.802+/-514.825 χ^2/NDF: 23.4/22

All: 83.743+/-365.354 χ^2/NDF: 47.5/46

- sign 57.303+/-518.573 χ^2/NDF: 24.1/23

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1735.790+/-0.529 χ^2/NDF:581.5/6

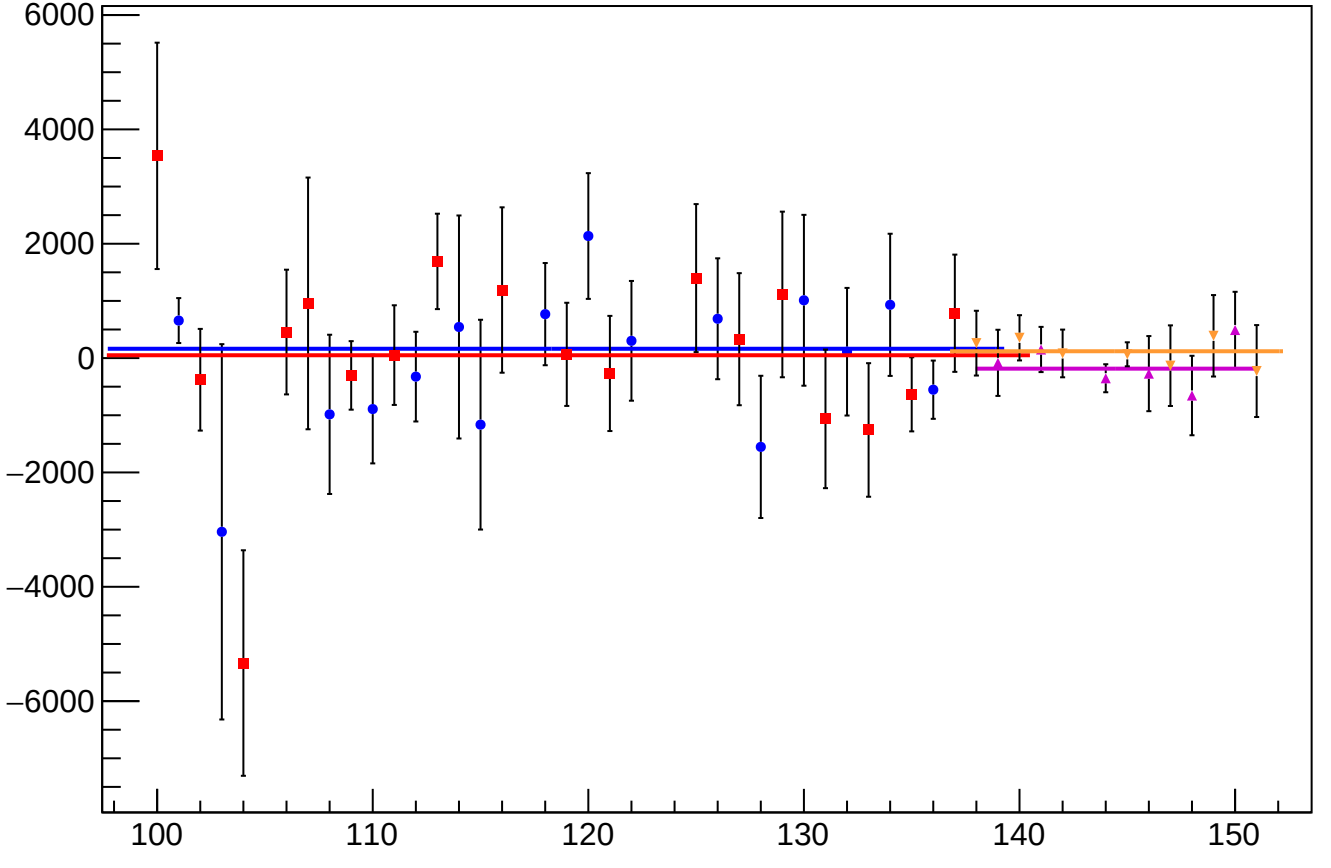
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1733.058+/-0.534 χ^2/NDF:446.7/5

+ sign 1803.873+/-0.364 χ^2/NDF: 704797.4/22

All: 1811.865+/-0.258 χ^2/NDF: 1014193.5/46

- sign 1819.974+/-0.367 χ^2/NDF: 308425.1/23



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 119.630+/-151.671 χ^2/NDF:0.9/6

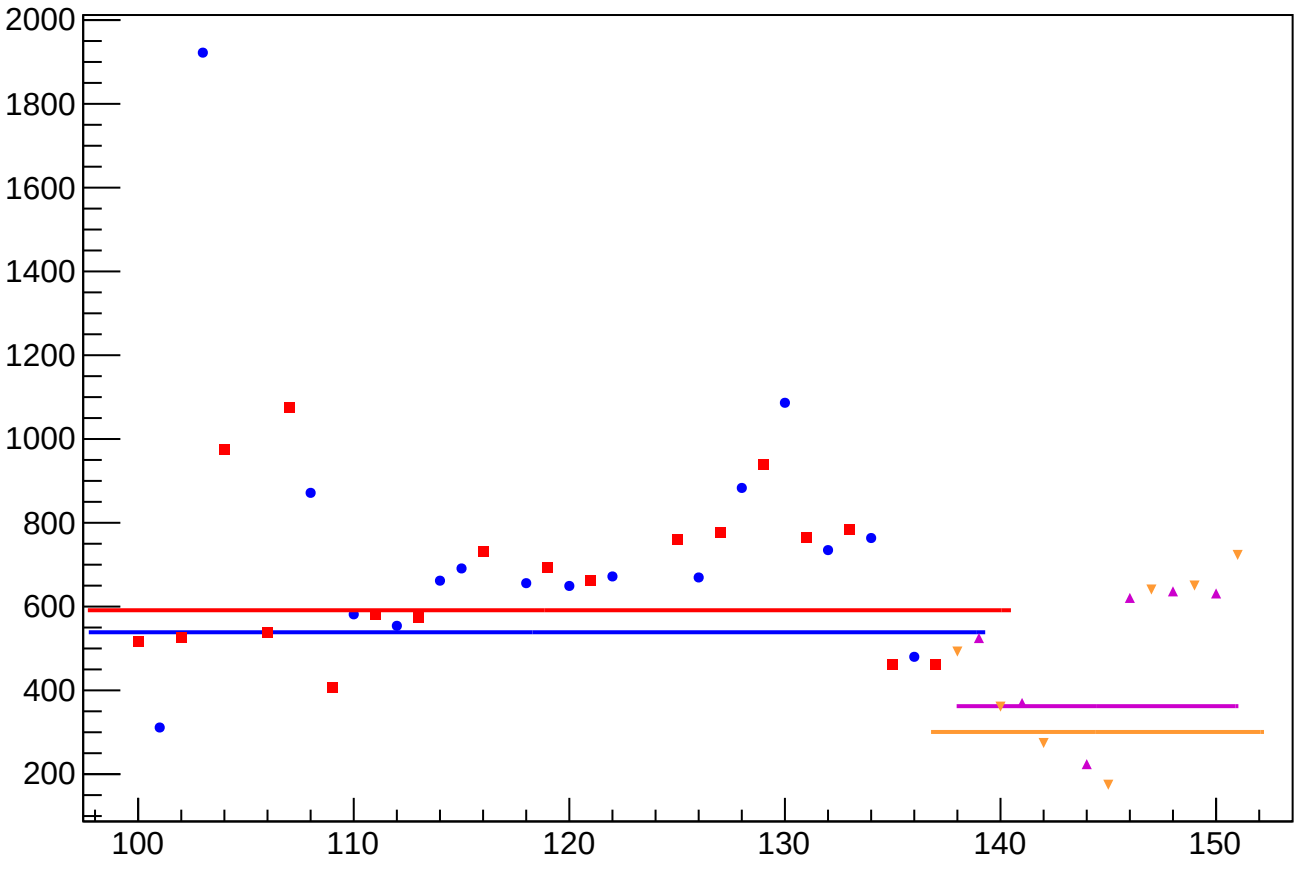
Right Out: 49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: -184.895+/-174.953 χ^2/NDF:2.7/5

+ sign 133.648+/-124.876 χ^2/NDF: 14.9/22

All: 29.753+/-93.486 χ^2/NDF: 41.2/46

- sign -102.715+/-141.005 χ^2/NDF: 24.8/23



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 300.722+/-0.107 χ^2/NDF:2503311.9/6

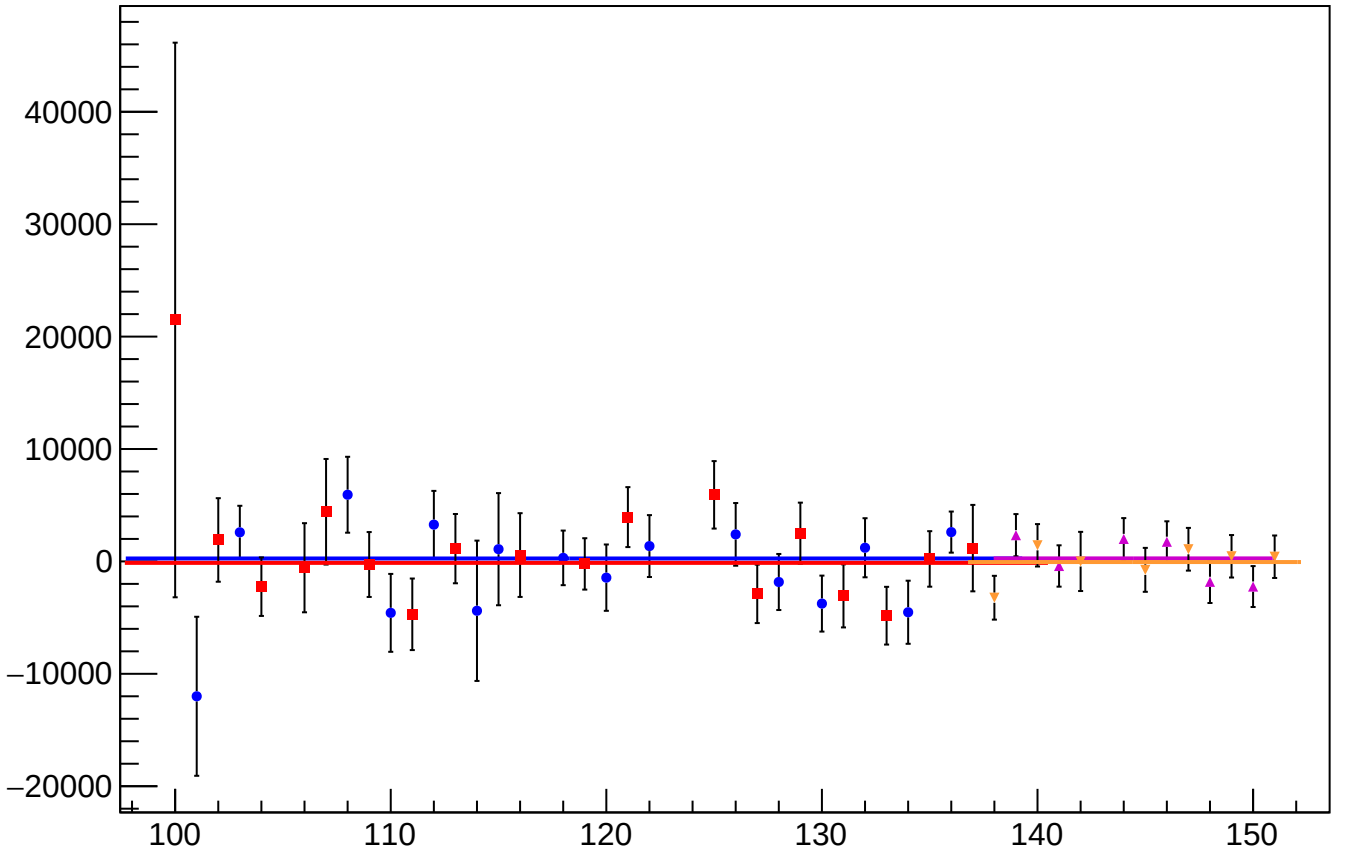
Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 362.302+/-0.124 χ^2/NDF:1741527.9/5

+ sign 377.381+/-0.088 χ^2/NDF: 5948292.4/22

All: 406.017+/-0.066 χ^2/NDF: 9973744.2/46

- sign 442.529+/-0.100 χ^2/NDF: 3786180.2/23



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -56.677+/-747.952 χ^2/NDF:3.9/6

Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

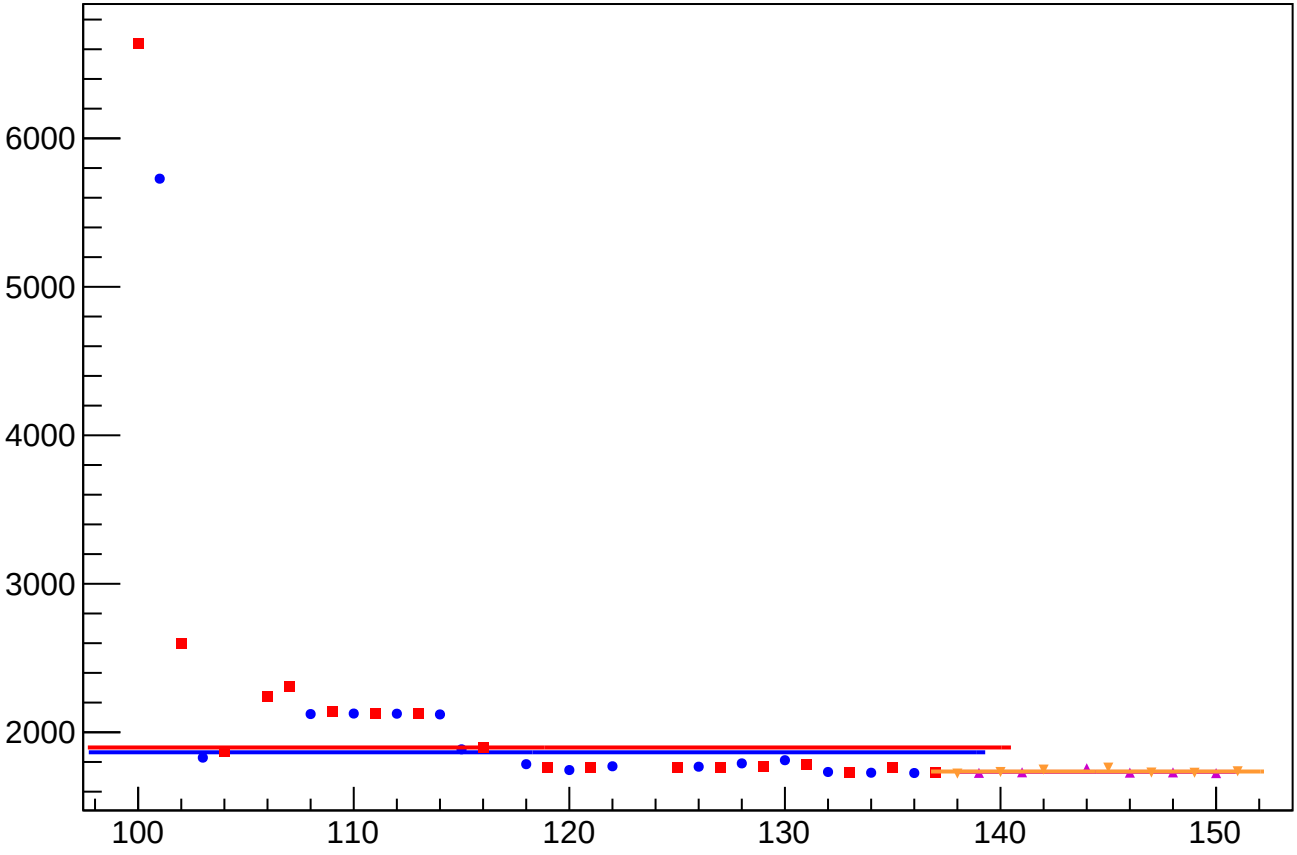
Left In: 266.808+/-754.740 χ^2/NDF:6.0/5

+ sign 109.802+/-514.825 χ^2/NDF: 23.4/22

All: 83.743+/-365.354 χ^2/NDF: 47.5/46

- sign 57.303+/-518.573 χ^2/NDF: 24.1/23

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: 1735.790+/-0.529 χ^2/NDF:581.5/6

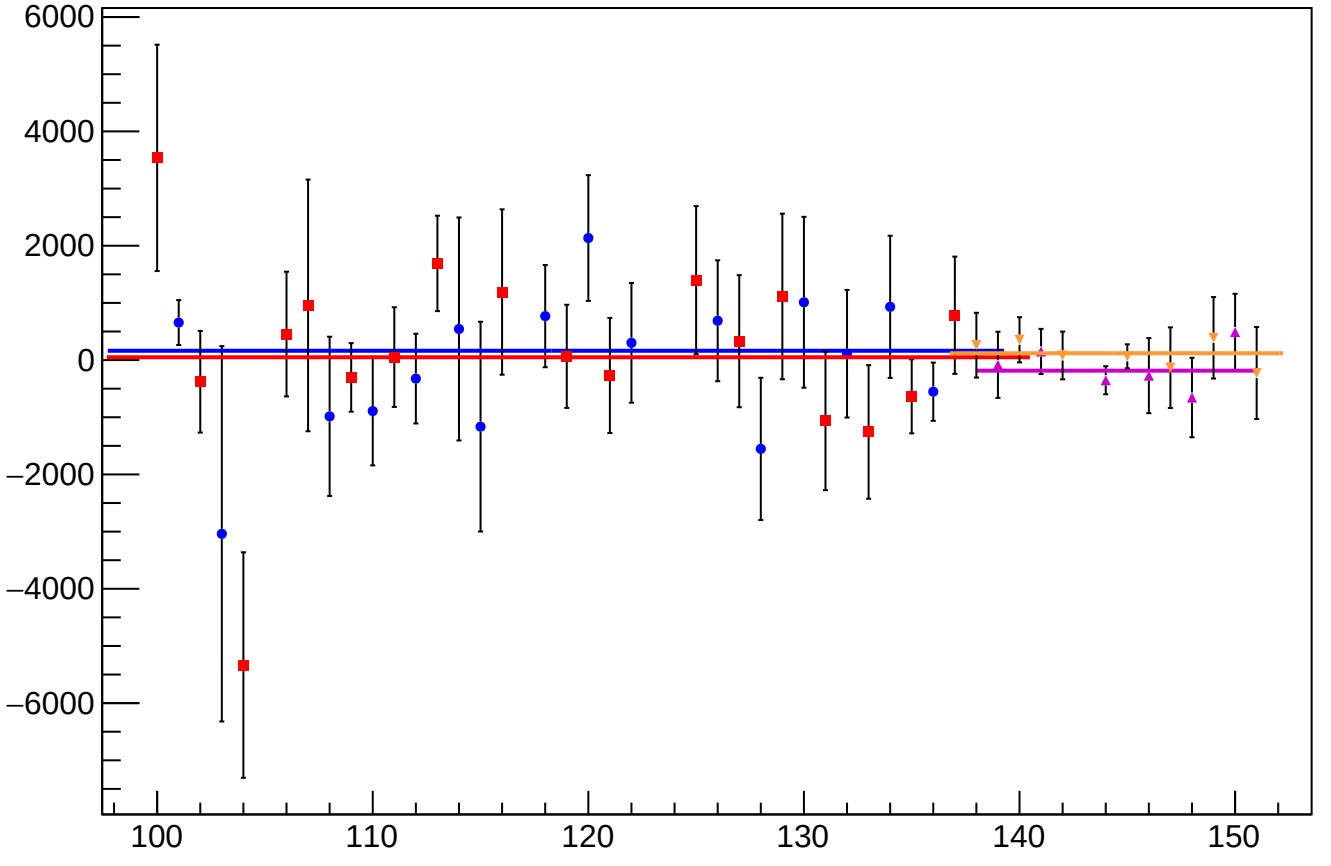
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1733.058+/-0.534 χ^2/NDF:446.7/5

+ sign 1803.873+/-0.364 χ^2/NDF: 704797.4/22

All: 1811.865+/-0.258 χ^2/NDF: 1014193.5/46

- sign 1819.974+/-0.367 χ^2/NDF: 308425.1/23



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 119.630+/-151.671 χ^2/NDF:0.9/6

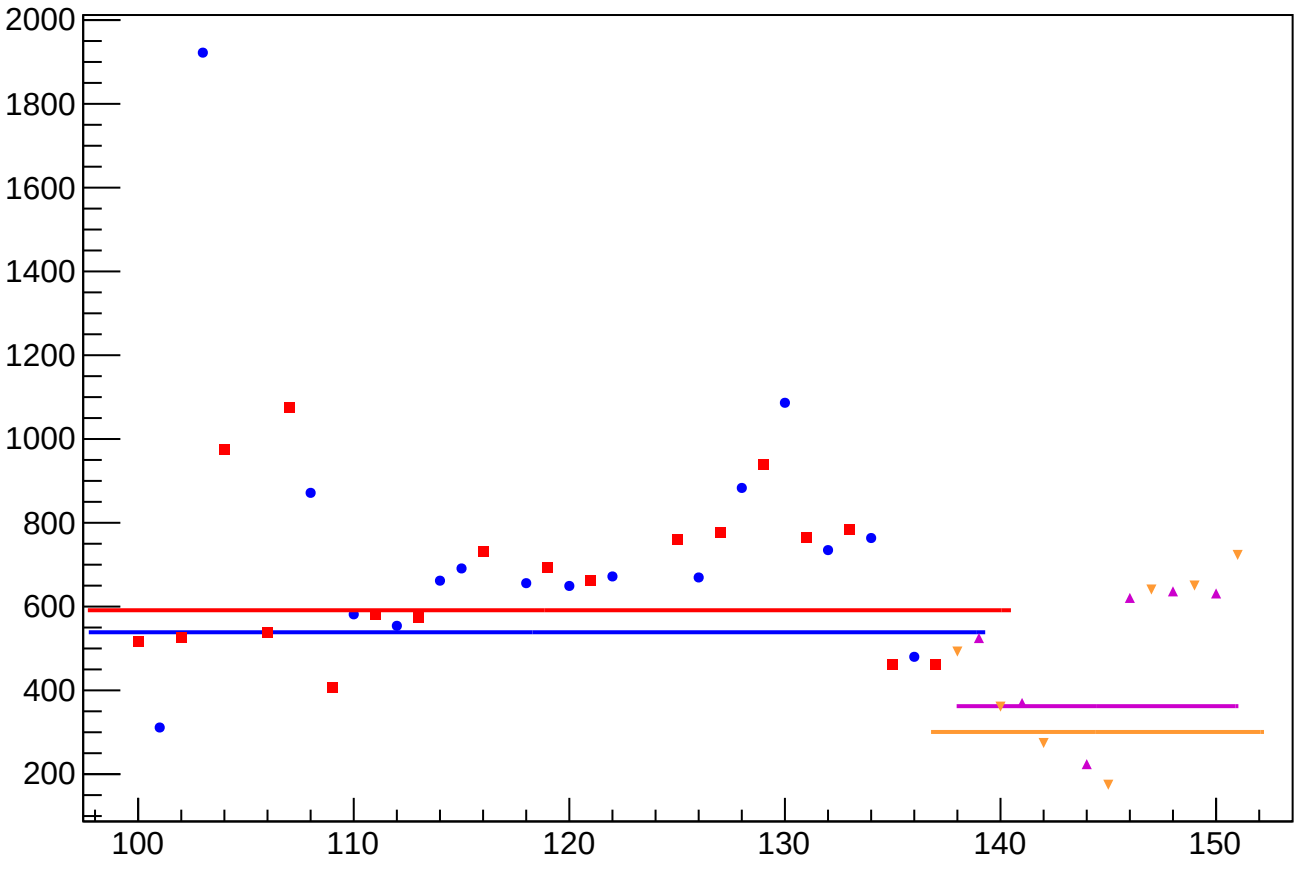
Right Out: 49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: -184.895+/-174.953 χ^2/NDF:2.7/5

+ sign 133.648+/-124.876 χ^2/NDF: 14.9/22

All: 29.753+/-93.486 χ^2/NDF: 41.2/46

- sign -102.715+/-141.005 χ^2/NDF: 24.8/23



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 300.722+/-0.107 χ^2/NDF:2503311.9/6

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

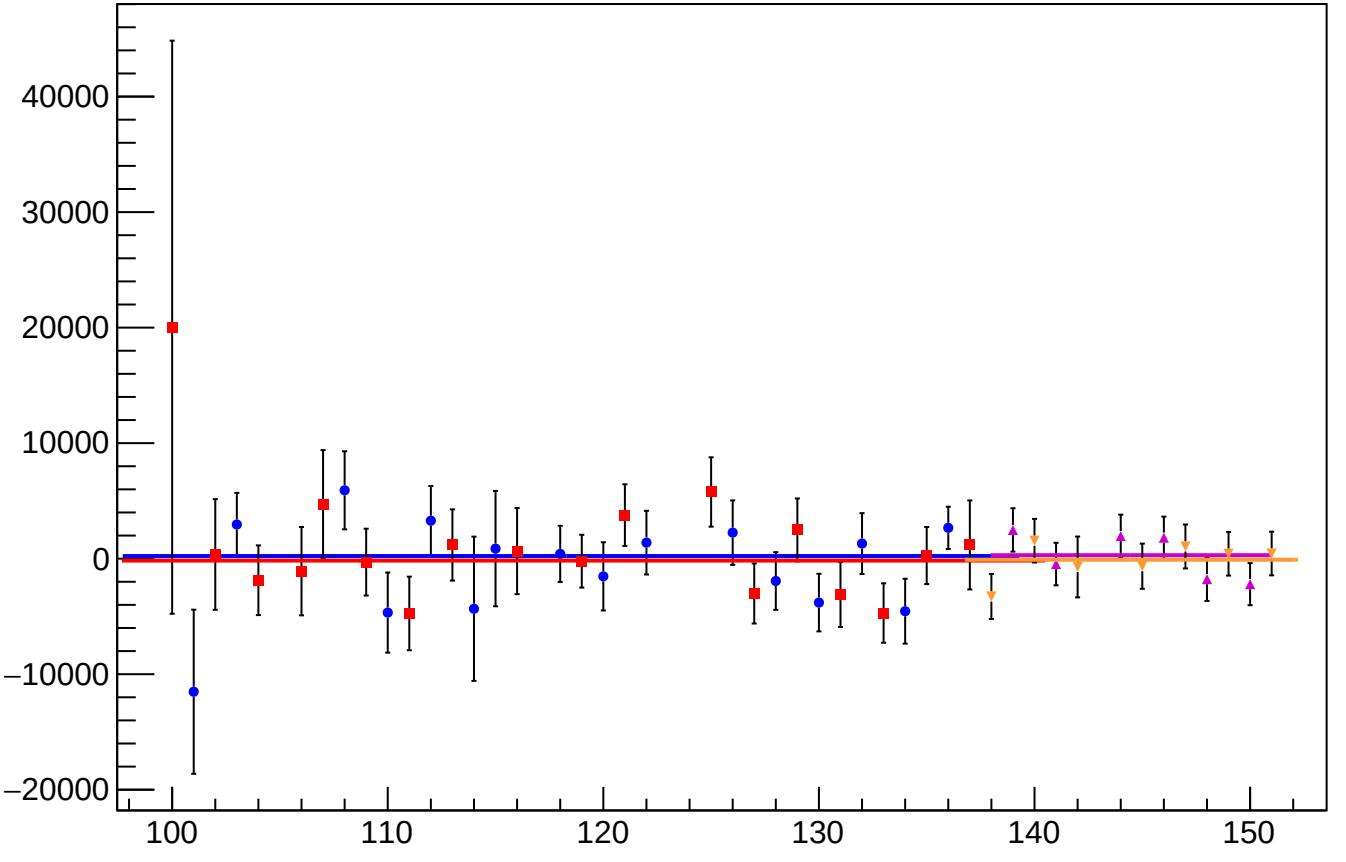
Left In: 362.302+/-0.124 χ^2/NDF:1741527.9/5

+ sign 377.381+/-0.088 χ^2/NDF: 5948292.4/22

All: 406.017+/-0.066 χ^2/NDF: 9973744.2/46

- sign 442.529+/-0.100 χ^2/NDF: 3786180.2/23

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -90.549+/-748.347 χ^2/NDF:4.1/6

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

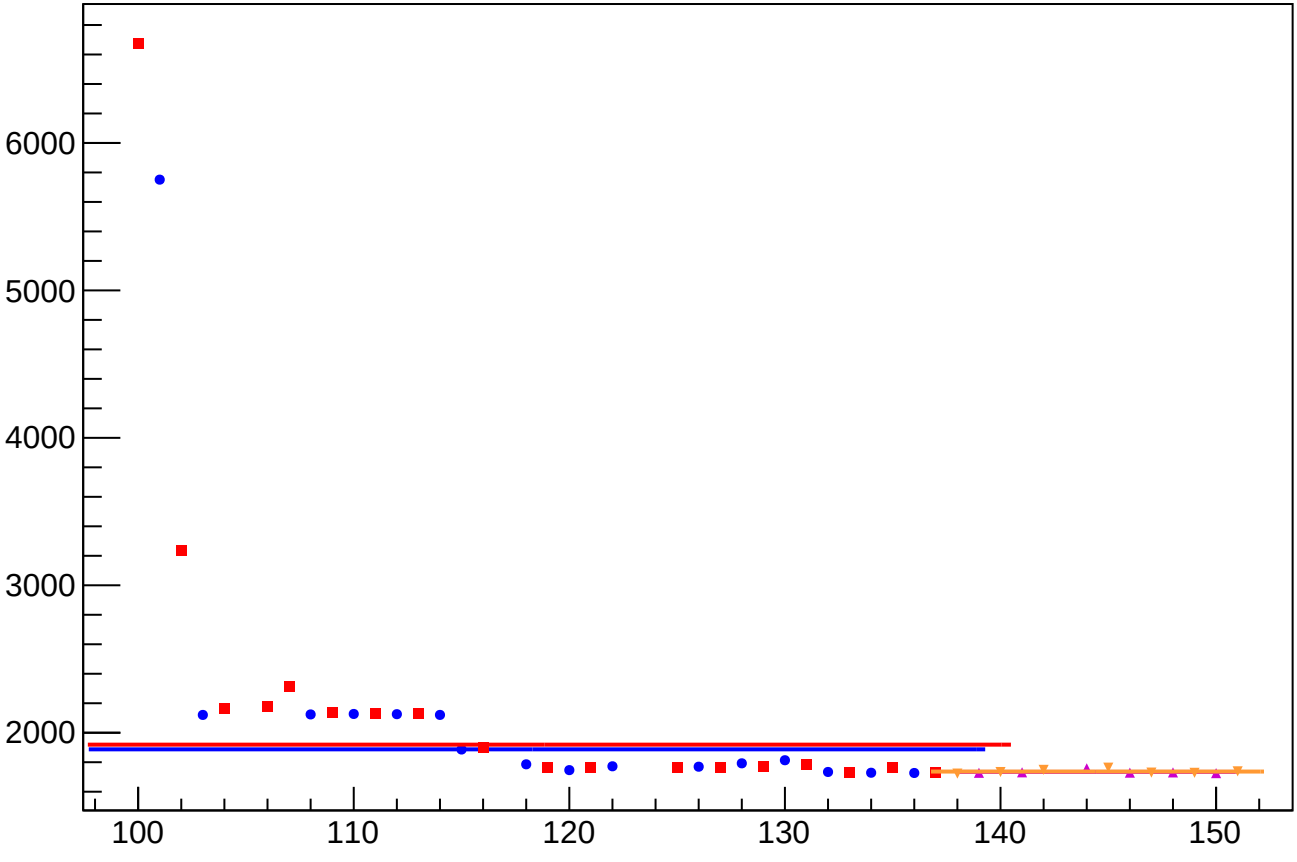
Left In: 298.363+/-755.189 χ^2/NDF:6.1/5

\+ sign 74.269+/-518.308 χ^2/NDF: 23.6/22

All: 66.292+/-368.251 χ^2/NDF: 46.9/46

\- sign 58.160+/-523.299 χ^2/NDF: 23.3/23

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1736.703+/-0.529 χ^2/NDF:578.7/6

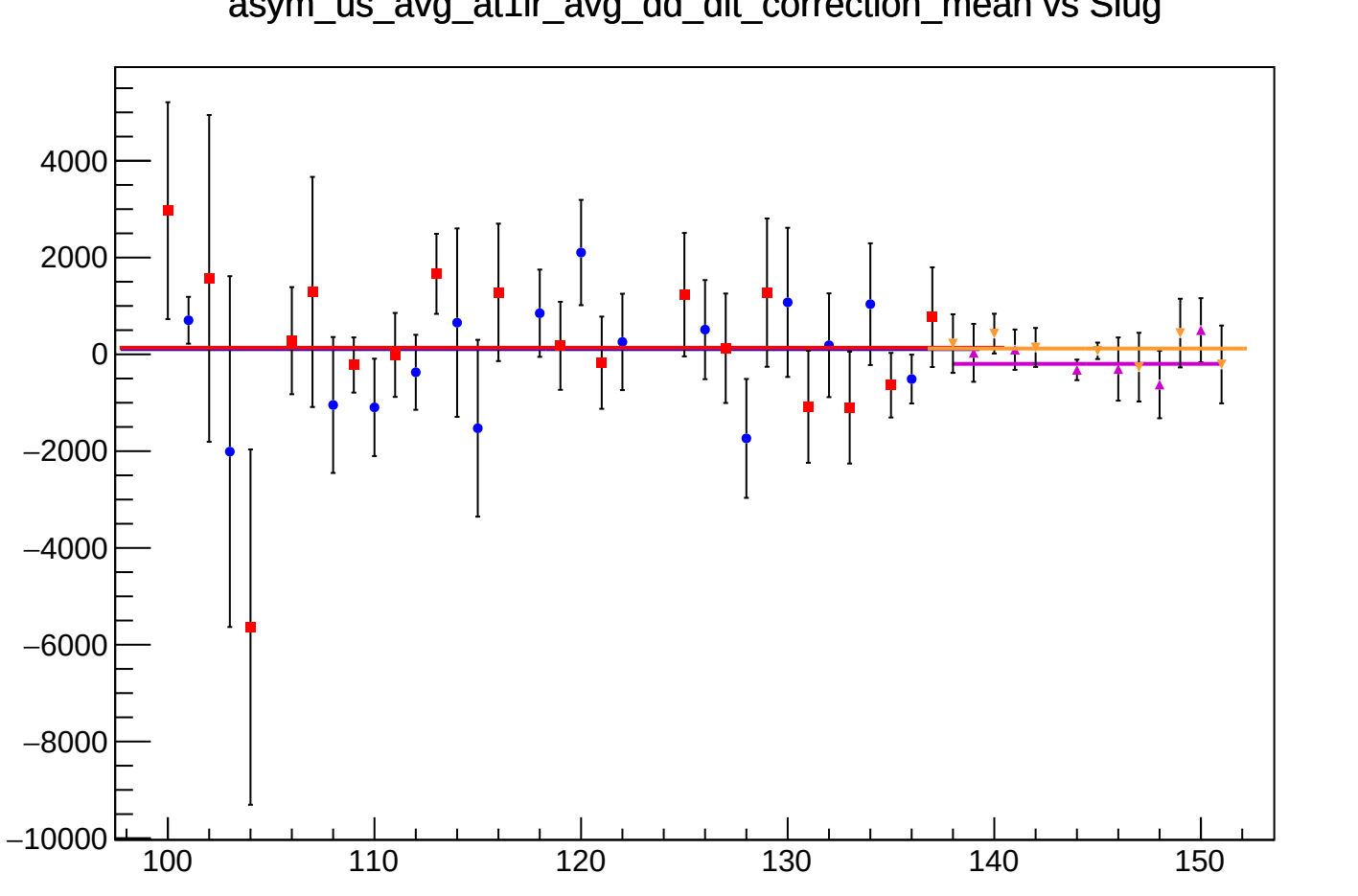
Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1734.086+/-0.534 χ^2/NDF:439.2/5

+ sign 1815.064+/-0.366 χ^2/NDF: 732168.4/22

All: 1822.607+/-0.260 χ^2/NDF: 1148474.9/46

- sign 1830.297+/-0.370 χ^2/NDF: 415451.0/23



Right In: 108.131+/-231.711 χ^2/NDF: 14.2/15

Left Out: 120.091+/-135.048 χ^2/NDF:1.3/6

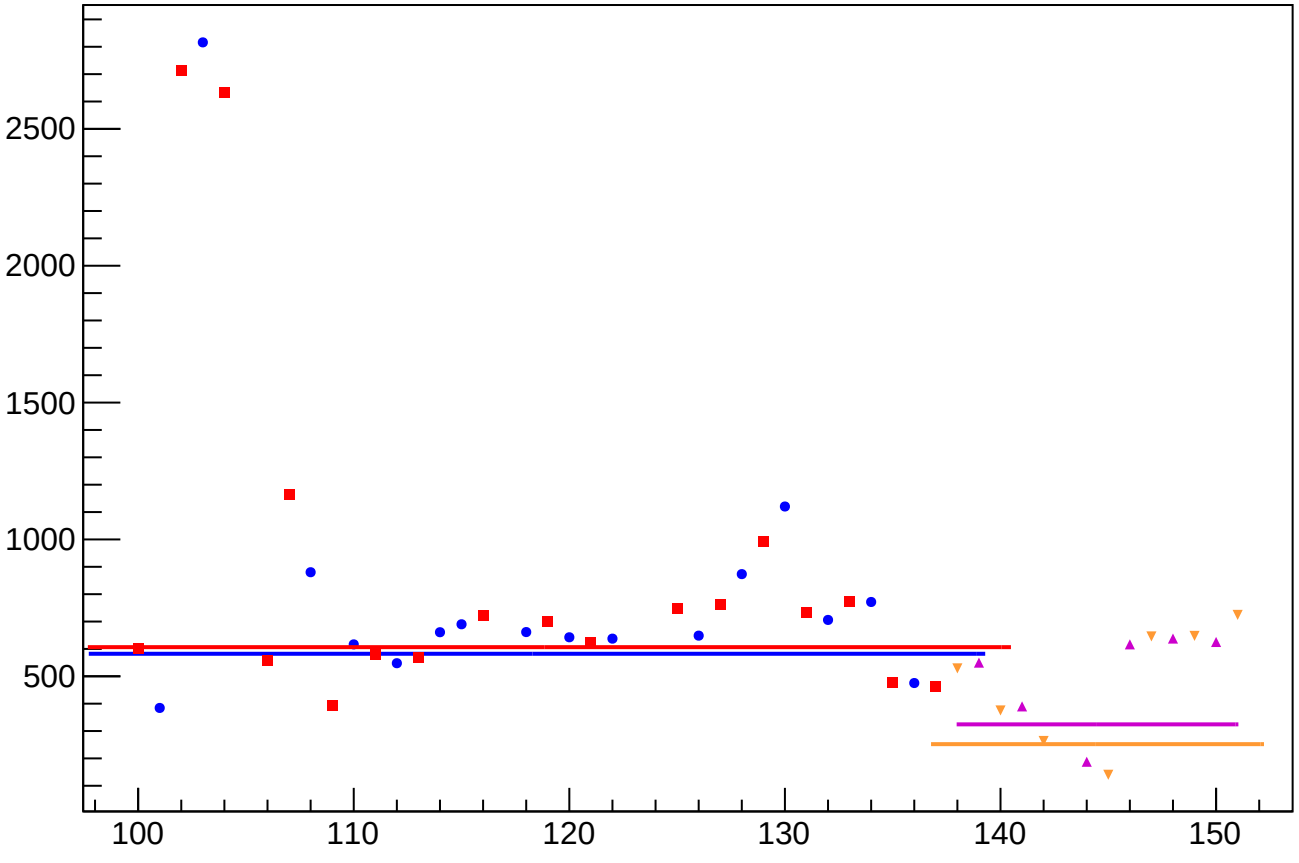
Right Out: 135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: -195.922+/-163.411 χ^2/NDF:2.5/5

\+ sign 117.058+/-116.677 χ^2/NDF: 15.5/22

All: 27.461+/-88.583 χ^2/NDF: 35.0/46

\- sign -94.458+/-136.105 χ^2/NDF: 18.1/23



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 252.061+/-0.095 χ^2/NDF:3389259.1/6

Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

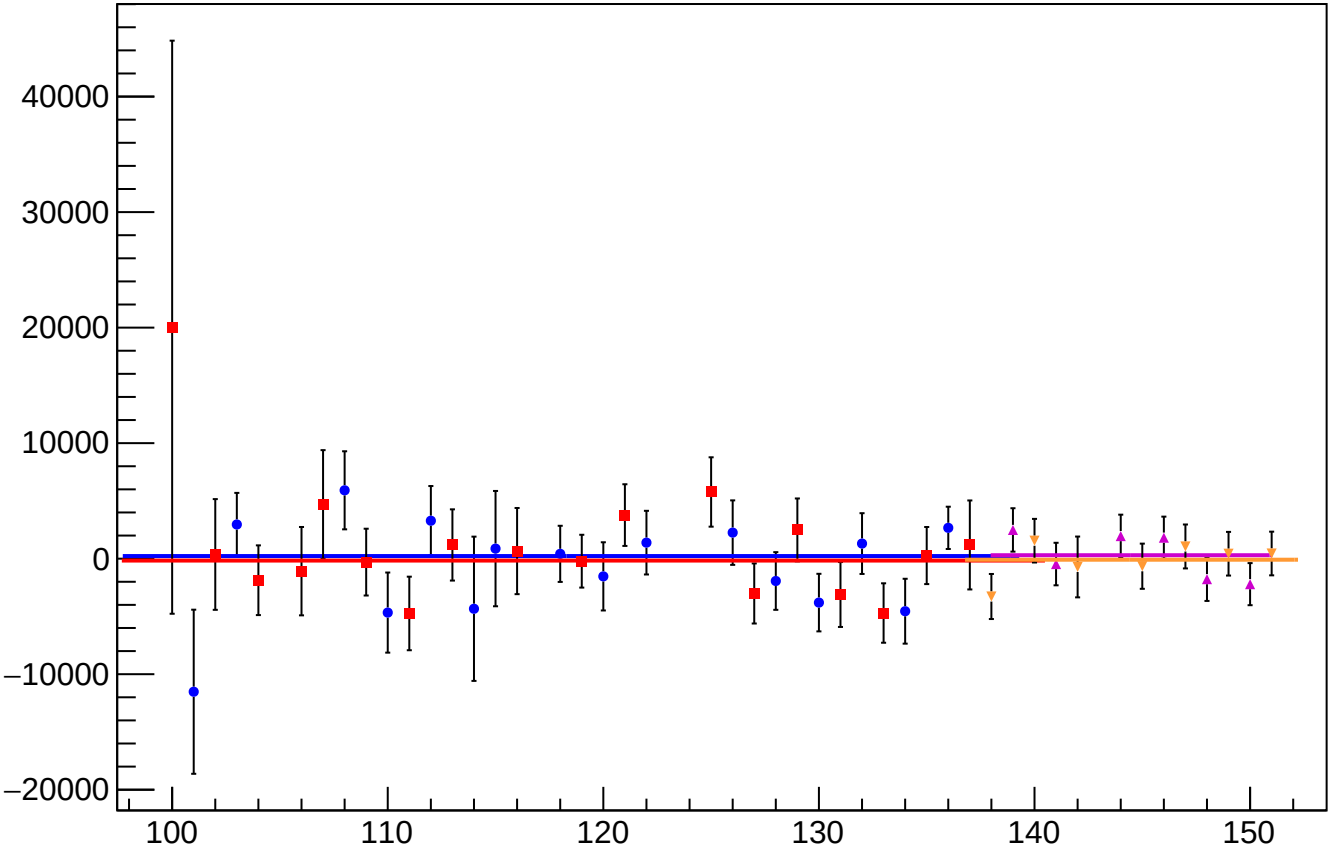
Left In: 324.378+/-0.116 χ^2/NDF:2382851.5/5

\+ sign 335.789+/-0.083 χ^2/NDF: 8175423.8/22

All: 367.551+/-0.063 χ^2/NDF: 14931725.7/46

\- sign 410.770+/-0.096 χ^2/NDF: 6406426.0/23

eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -90.552+/-748.347 χ^2/NDF:4.1/6

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

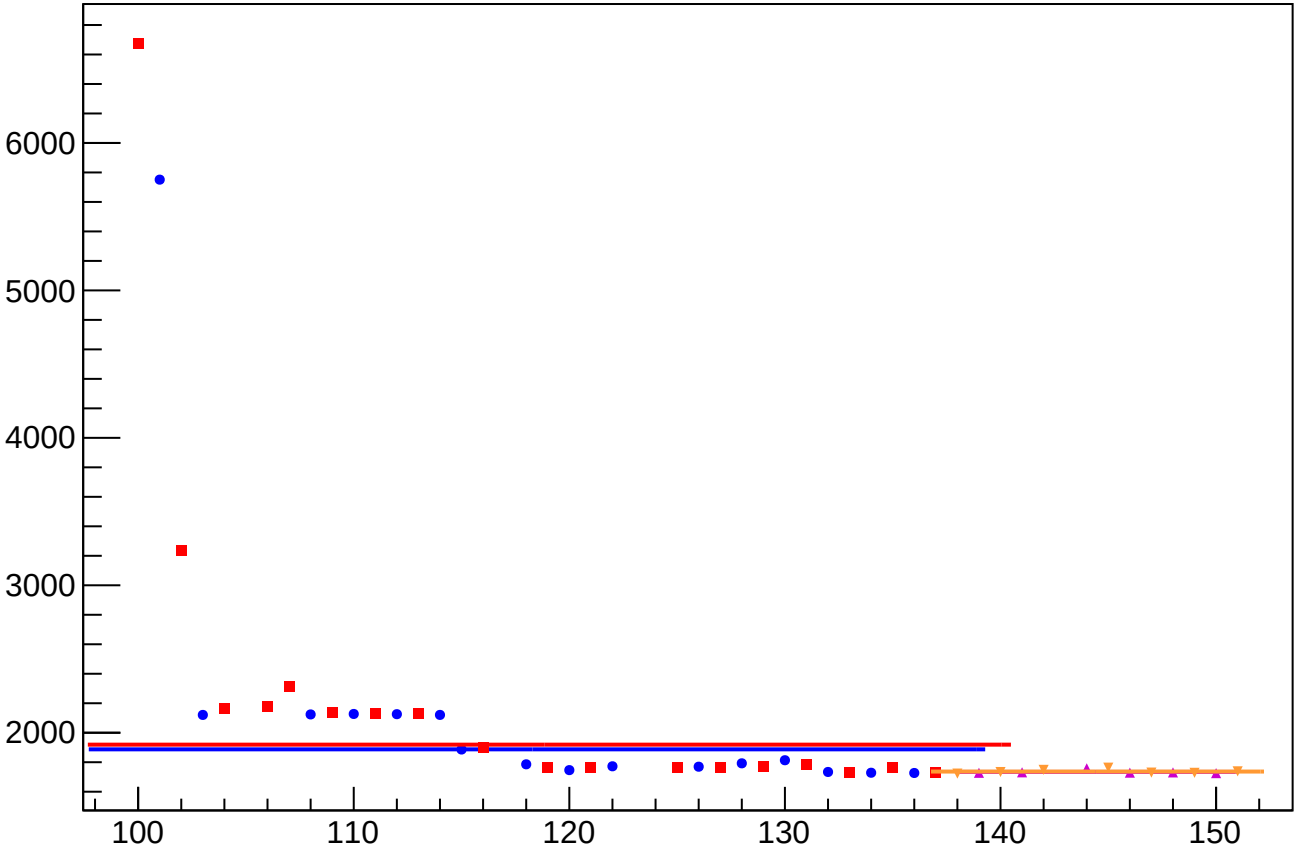
Left In: 298.363+/-755.189 χ^2/NDF:6.1/5

+ sign 74.269+/-518.308 χ^2/NDF: 23.6/22

All: 66.291+/-368.251 χ^2/NDF: 46.9/46

- sign 58.159+/-523.299 χ^2/NDF: 23.3/23

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: 1736.703+/-0.529 χ^2/NDF:578.7/6

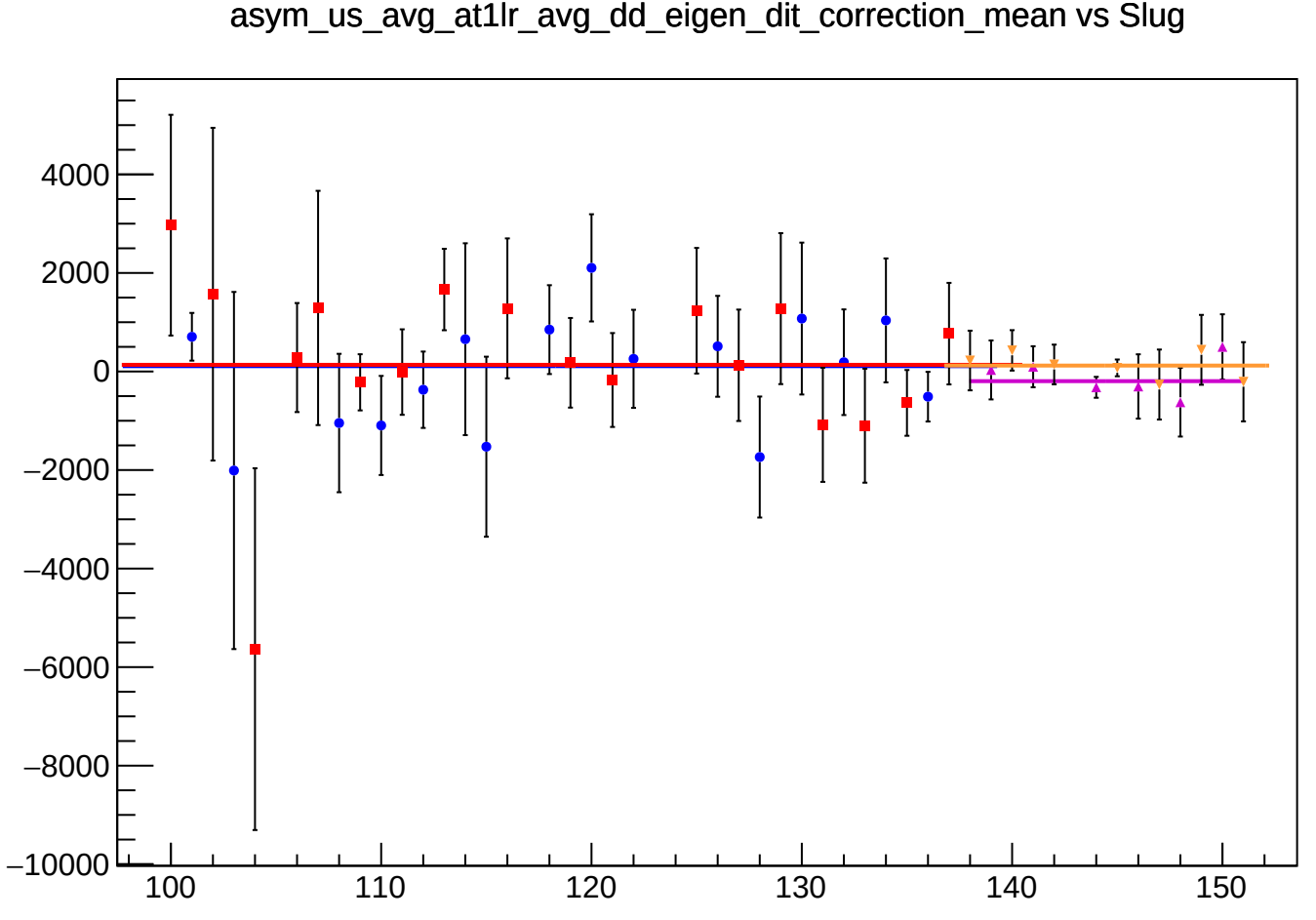
Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1734.086+/-0.534 χ^2/NDF:439.2/5

+ sign 1815.064+/-0.366 χ^2/NDF: 732168.1/22

All: 1822.607+/-0.260 χ^2/NDF: 1148473.7/46

- sign 1830.297+/-0.370 χ^2/NDF: 415450.2/23



Right In: 108.128+/-231.710 χ^2/NDF: 14.2/15

Left Out: 120.089+/-135.048 χ^2/NDF:1.3/6

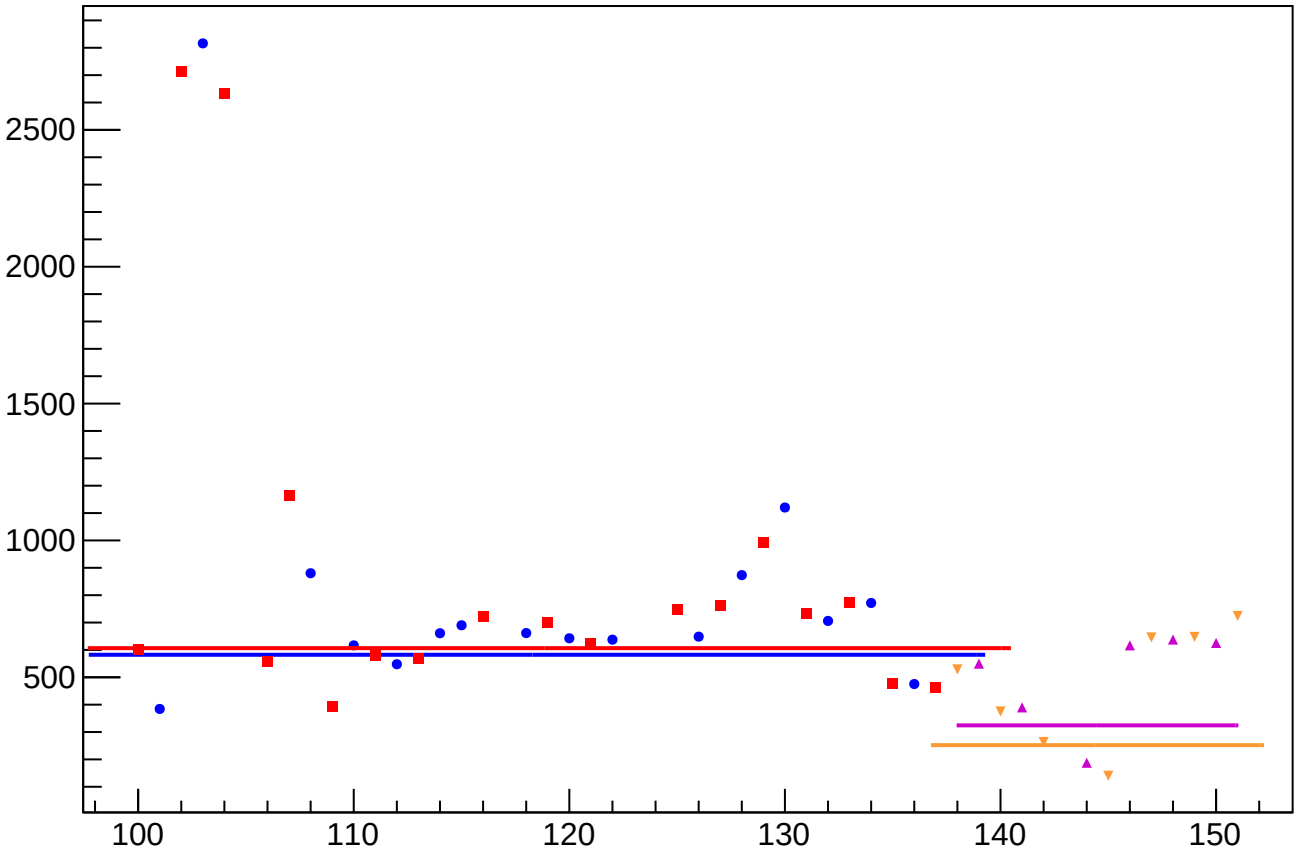
Right Out: 135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: -195.922+/-163.412 χ^2/NDF:2.5/5

+ sign 117.056+/-116.677 χ^2/NDF: 15.5/22

All: 27.460+/-88.583 χ^2/NDF: 35.0/46

- sign -94.458+/-136.105 χ^2/NDF: 18.1/23



Right In: 582.268+/-0.164 χ^2/NDF: 1754289.3/15

Left Out: 252.061+/-0.095 χ^2/NDF:3389275.4/6

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

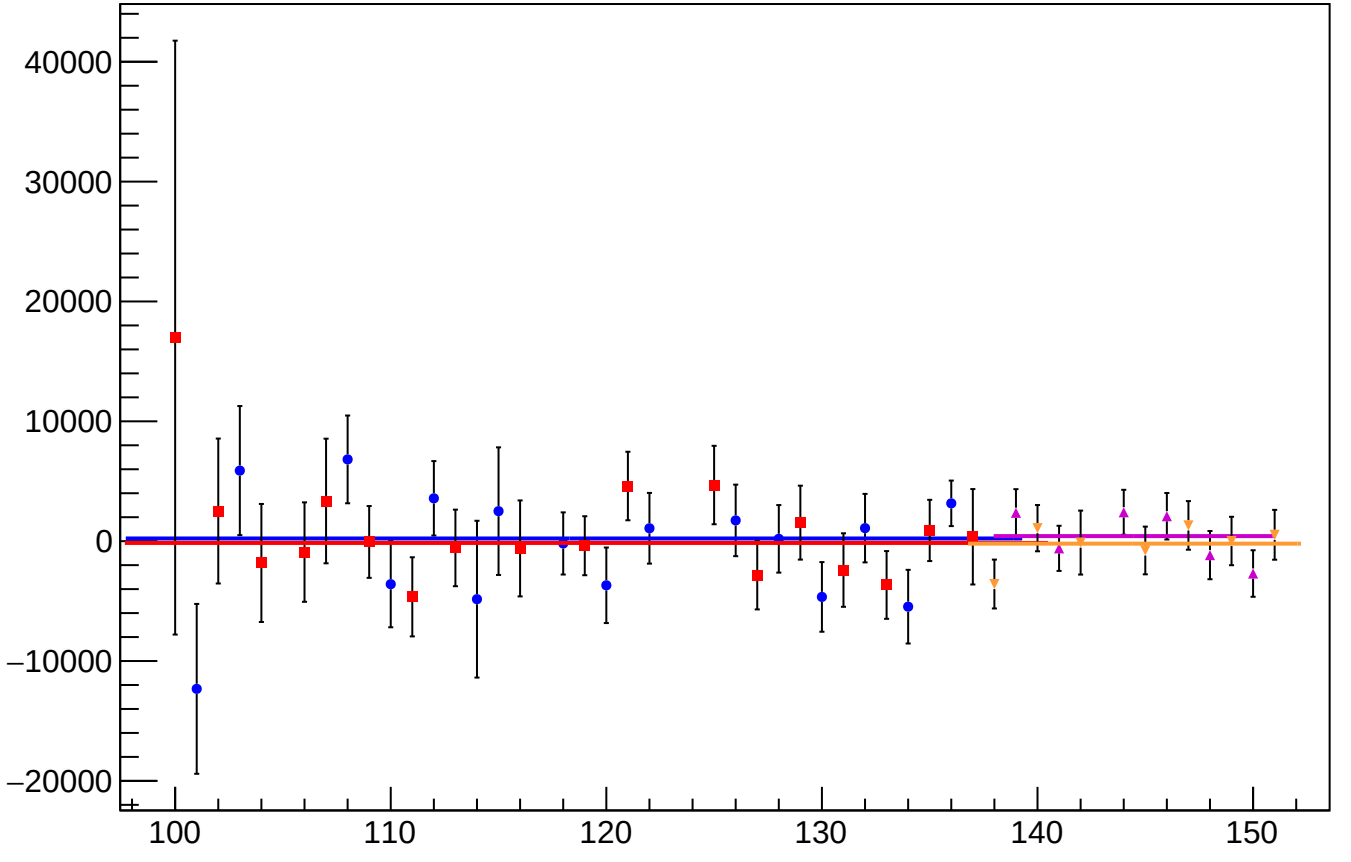
Left In: 324.378+/-0.116 χ^2/NDF:2382860.9/5

+ sign 335.789+/-0.083 χ^2/NDF: 8175412.5/22

All: 367.551+/-0.063 χ^2/NDF: 14931698.2/46

- sign 410.770+/-0.096 χ^2/NDF: 6406410.4/23

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: -206.494+/-785.278 χ^2/NDF:4.0/6

Right Out: -147.974+/-794.180 χ^2/NDF: 11.6/17

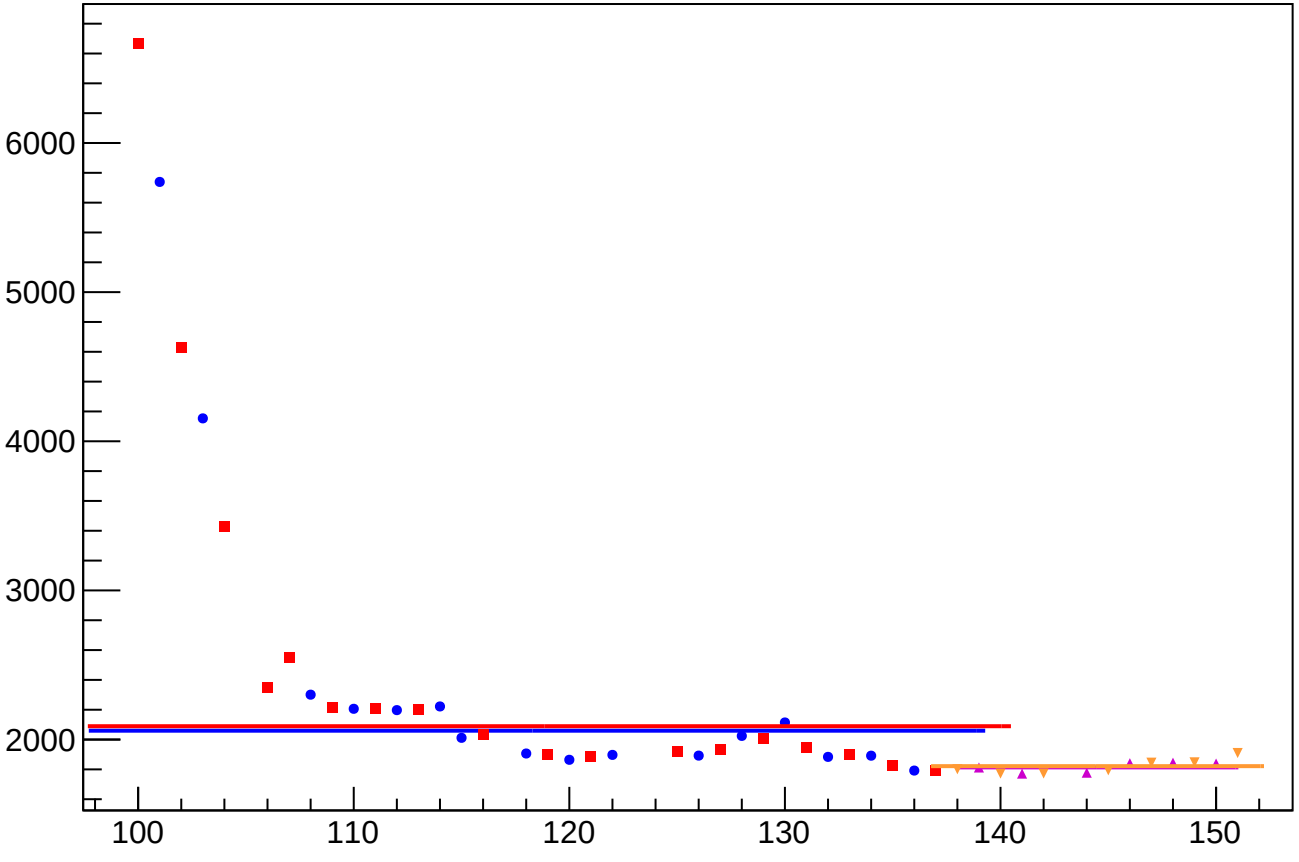
Left In: 423.233+/-789.847 χ^2/NDF:6.3/5

+ sign 7.265+/-557.524 χ^2/NDF: 25.3/22

All: 72.932+/-395.113 χ^2/NDF: 43.5/46

- sign 139.192+/-560.032 χ^2/NDF: 18.2/23

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1821.669+/-0.555 χ^2/NDF:6784.3/6

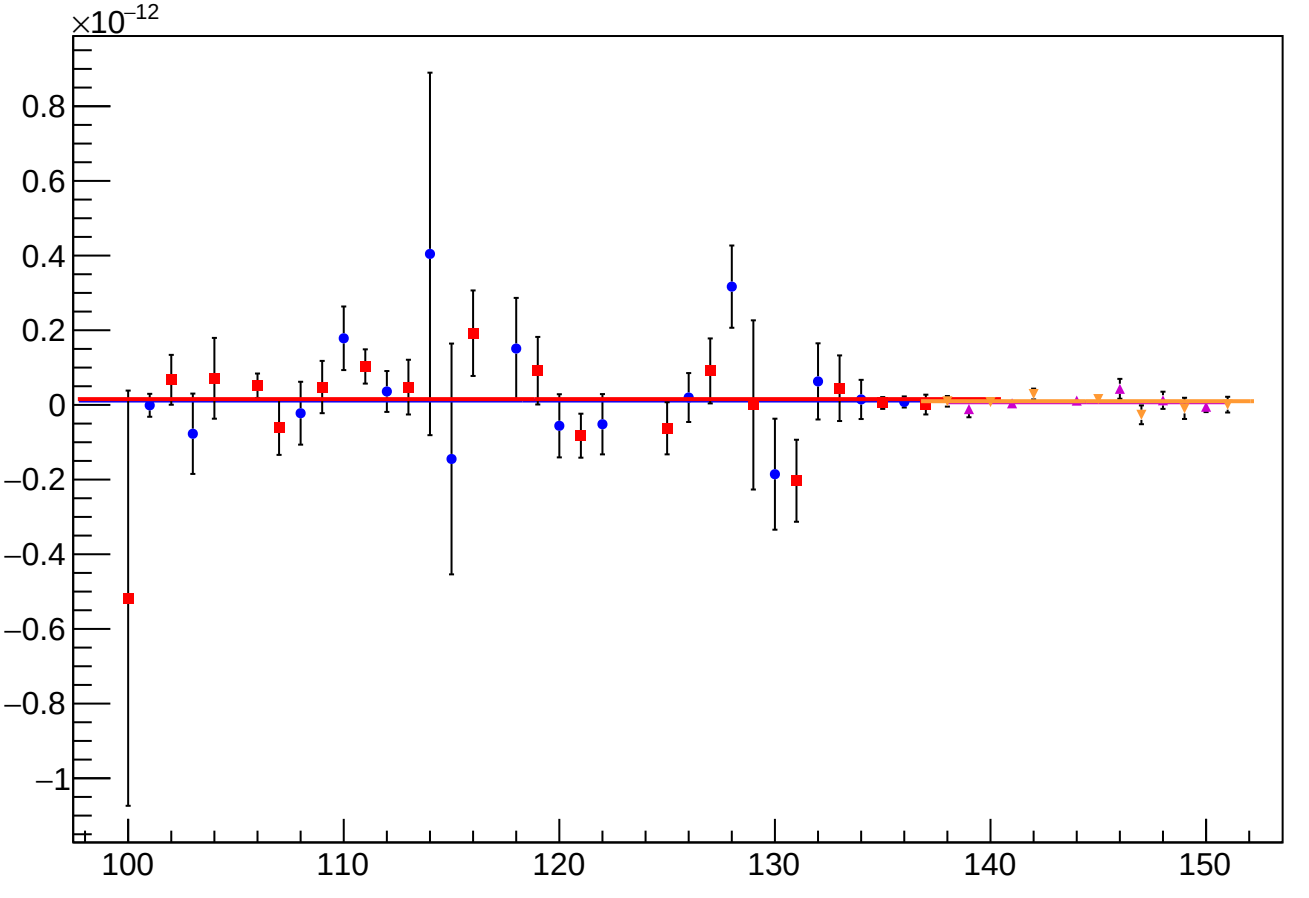
Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1813.421+/-0.559 χ^2/NDF:2955.1/5

+ sign 1939.617+/-0.394 χ^2/NDF: 1037636.3/22

All: 1945.131+/-0.279 χ^2/NDF: 1843935.7/46

- sign 1950.694+/-0.396 χ^2/NDF: 805906.5/23



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.8/6

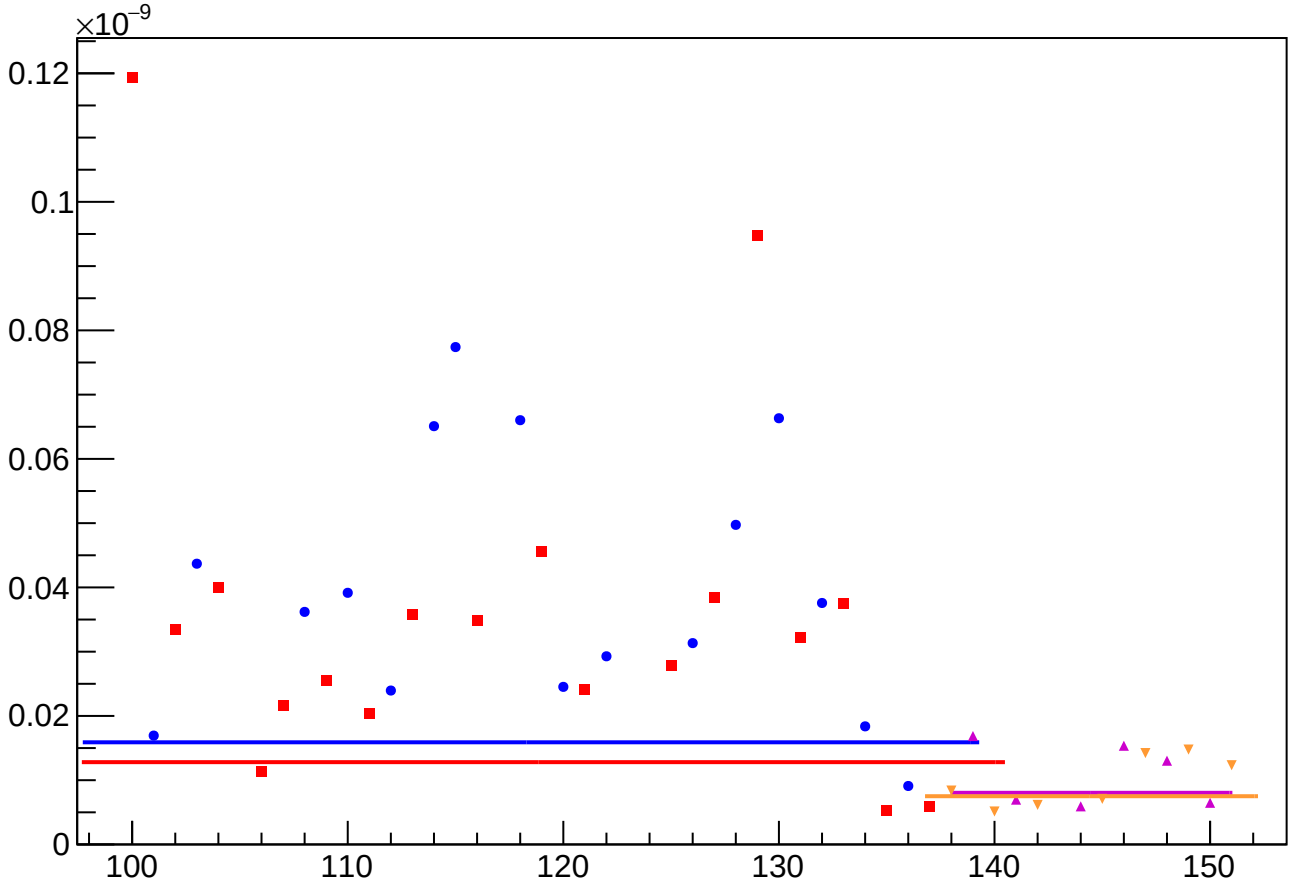
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/17

Left In: 0.000+/-0.000 χ^2/NDF:3.6/5

+ sign 0.000+/-0.000 χ^2/NDF: 22.8/22

All: 0.000+/-0.000 χ^2/NDF: 47.6/46

- sign 0.000+/-0.000 χ^2/NDF: 24.7/23



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:528146.3/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

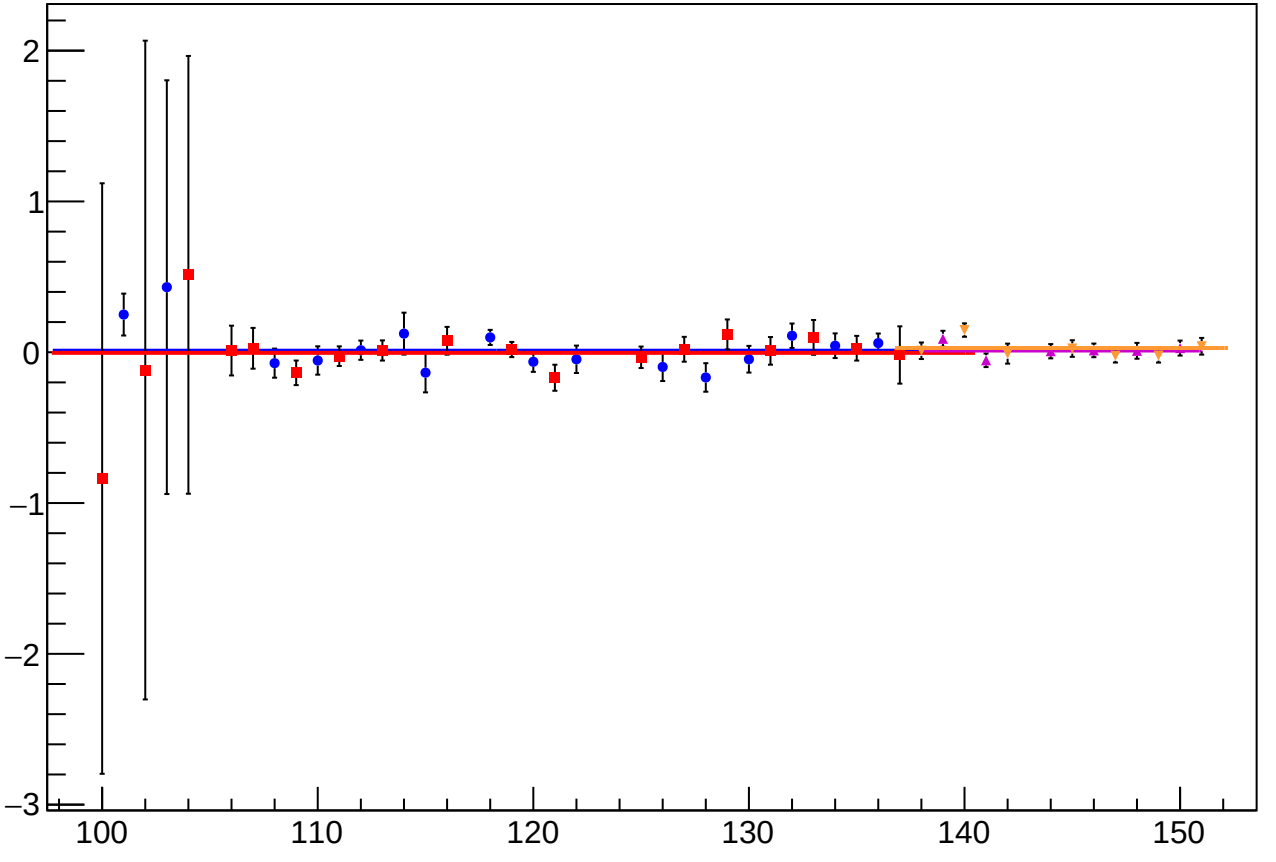
Left In: 0.000+/-0.000 χ^2/NDF:711101.6/5

+ sign 0.000+/-0.000 χ^2/NDF: 3317201.9/22

All: 0.000+/-0.000 χ^2/NDF: 6818274.8/46

- sign 0.000+/-0.000 χ^2/NDF: 3500690.2/23

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.028+/-0.019 χ^2/NDF:10.1/6

Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

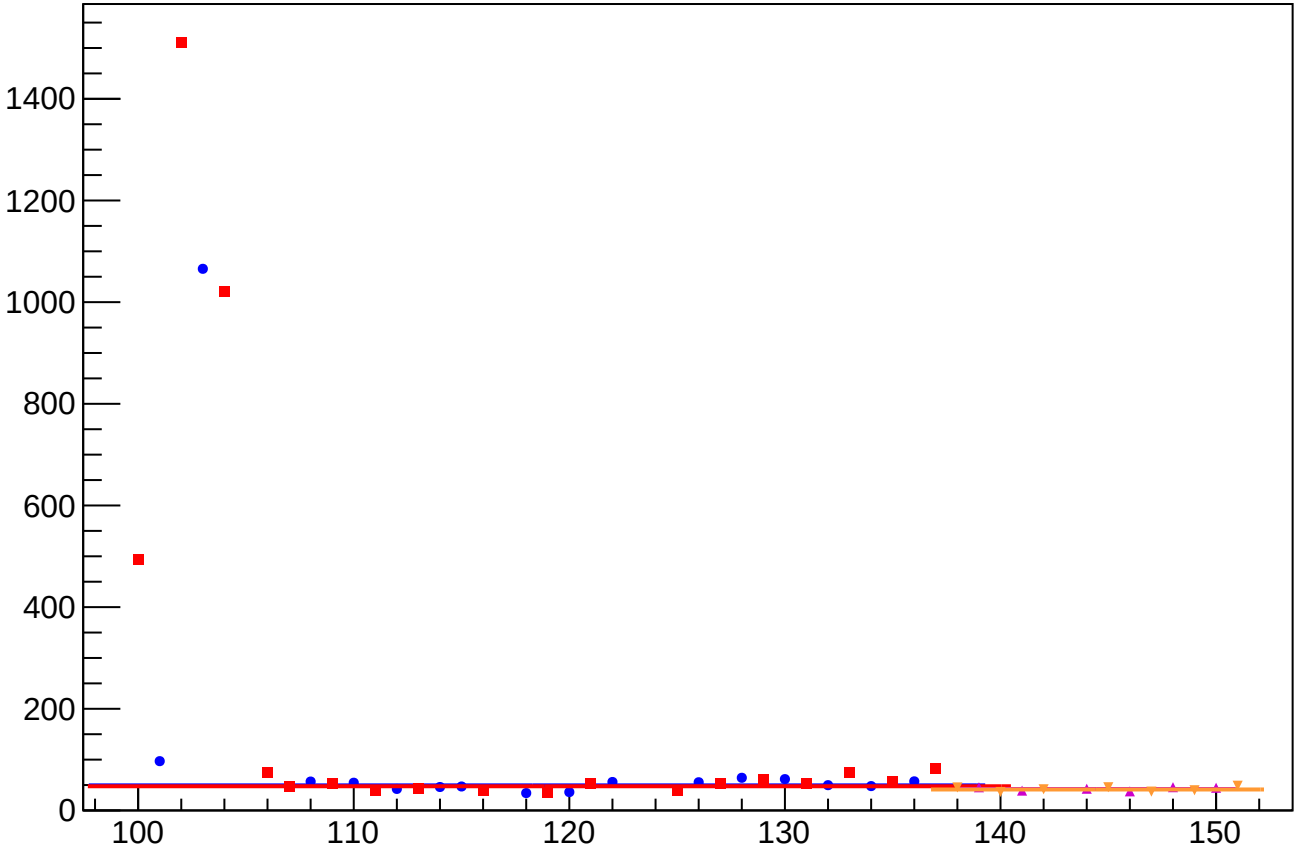
Left In: 0.012+/-0.020 χ^2/NDF:4.3/5

+ sign 0.020+/-0.014 χ^2/NDF: 28.9/22

All: 0.012+/-0.010 χ^2/NDF: 44.6/46

- sign 0.004+/-0.015 χ^2/NDF: 15.1/23

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 41.260+/-0.014 χ^2/NDF:102526.8/6

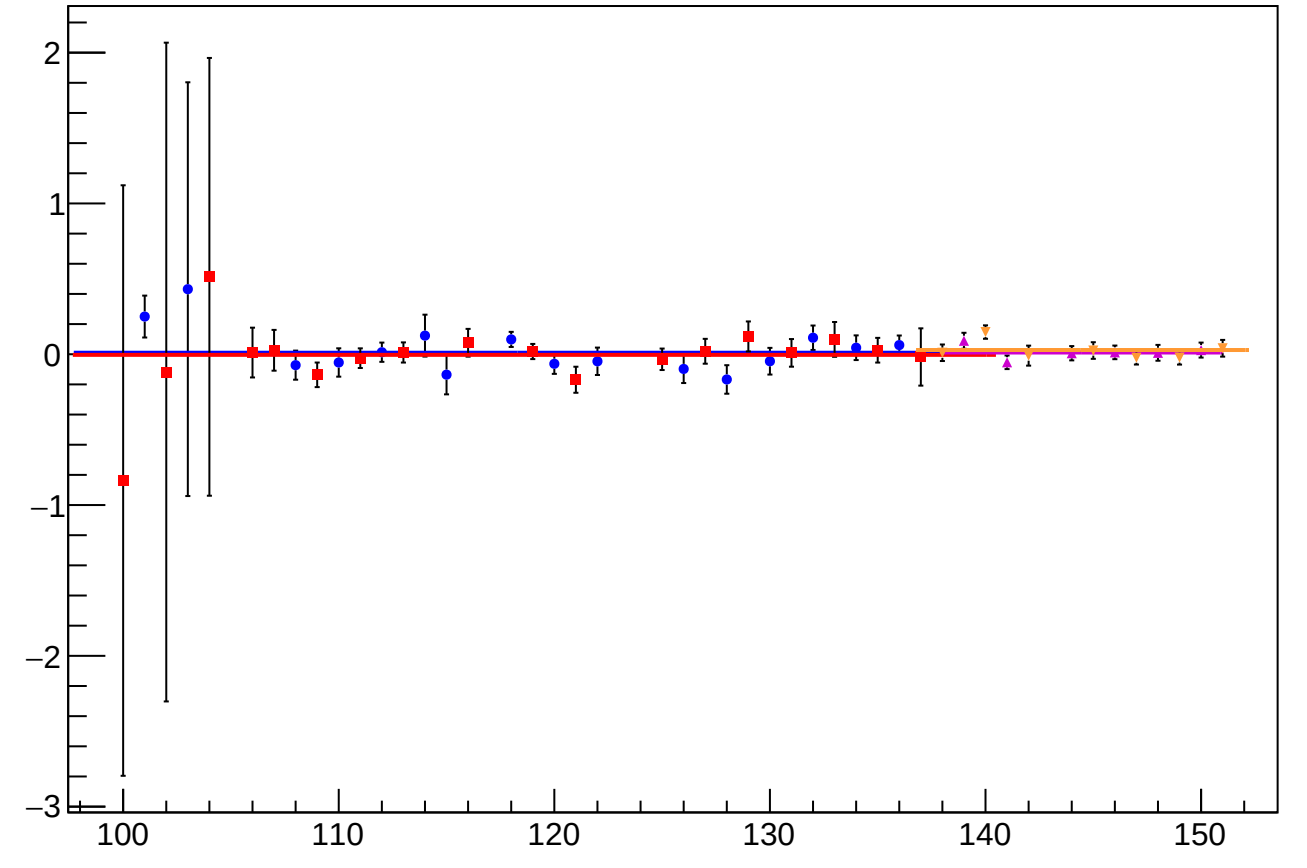
Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 42.193+/-0.014 χ^2/NDF:52933.6/5

+ sign 44.977+/-0.010 χ^2/NDF: 2039674.9/22

All: 44.830+/-0.007 χ^2/NDF: 4579717.1/46

- sign 44.676+/-0.010 χ^2/NDF: 2539604.5/23



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.028+/-0.019 χ^2/NDF:10.1/6

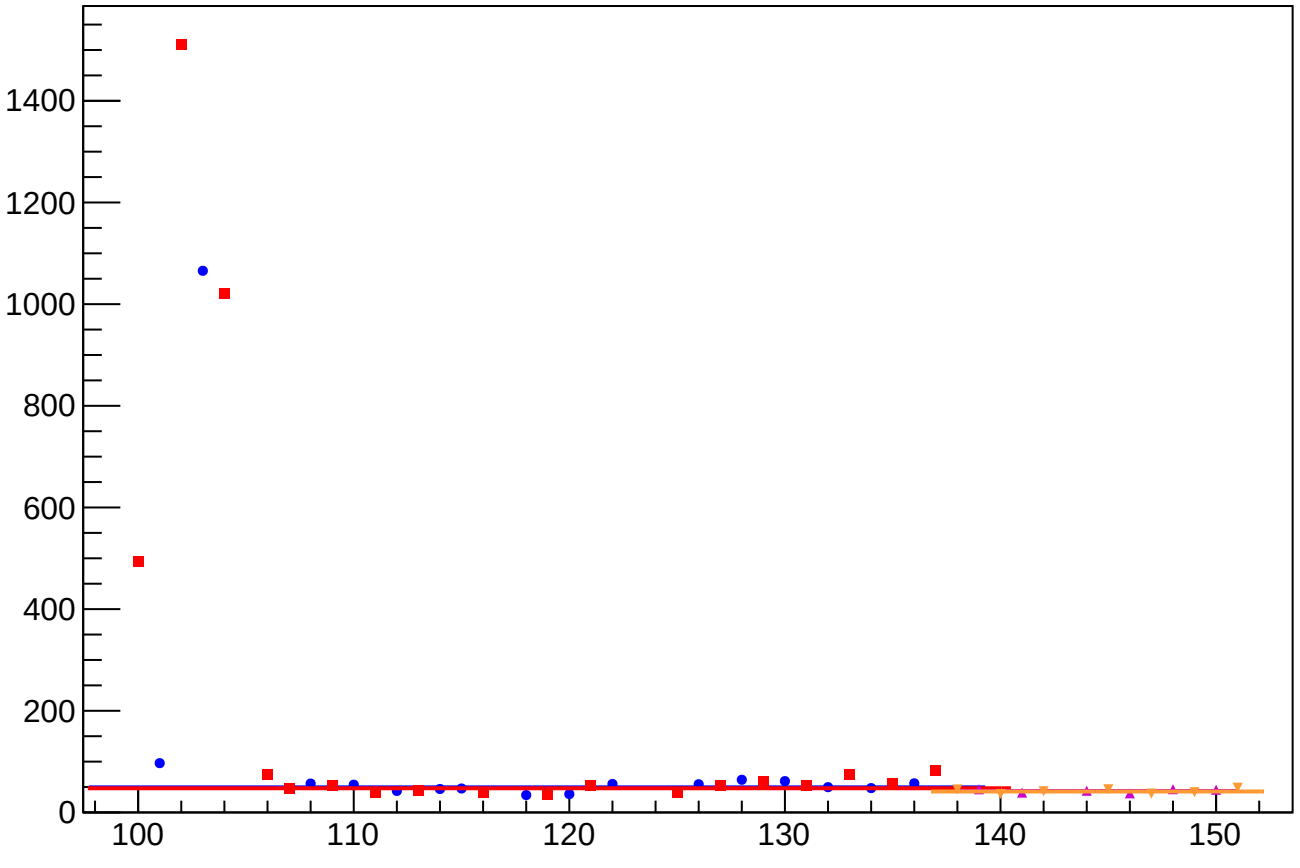
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.012+/-0.020 χ^2/NDF:4.3/5

+ sign 0.020+/-0.014 χ^2/NDF: 28.9/22

All: 0.012+/-0.010 χ^2/NDF: 44.6/46

- sign 0.004+/-0.015 χ^2/NDF: 15.1/23



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 41.260+/-0.014 χ^2/NDF:102526.8/6

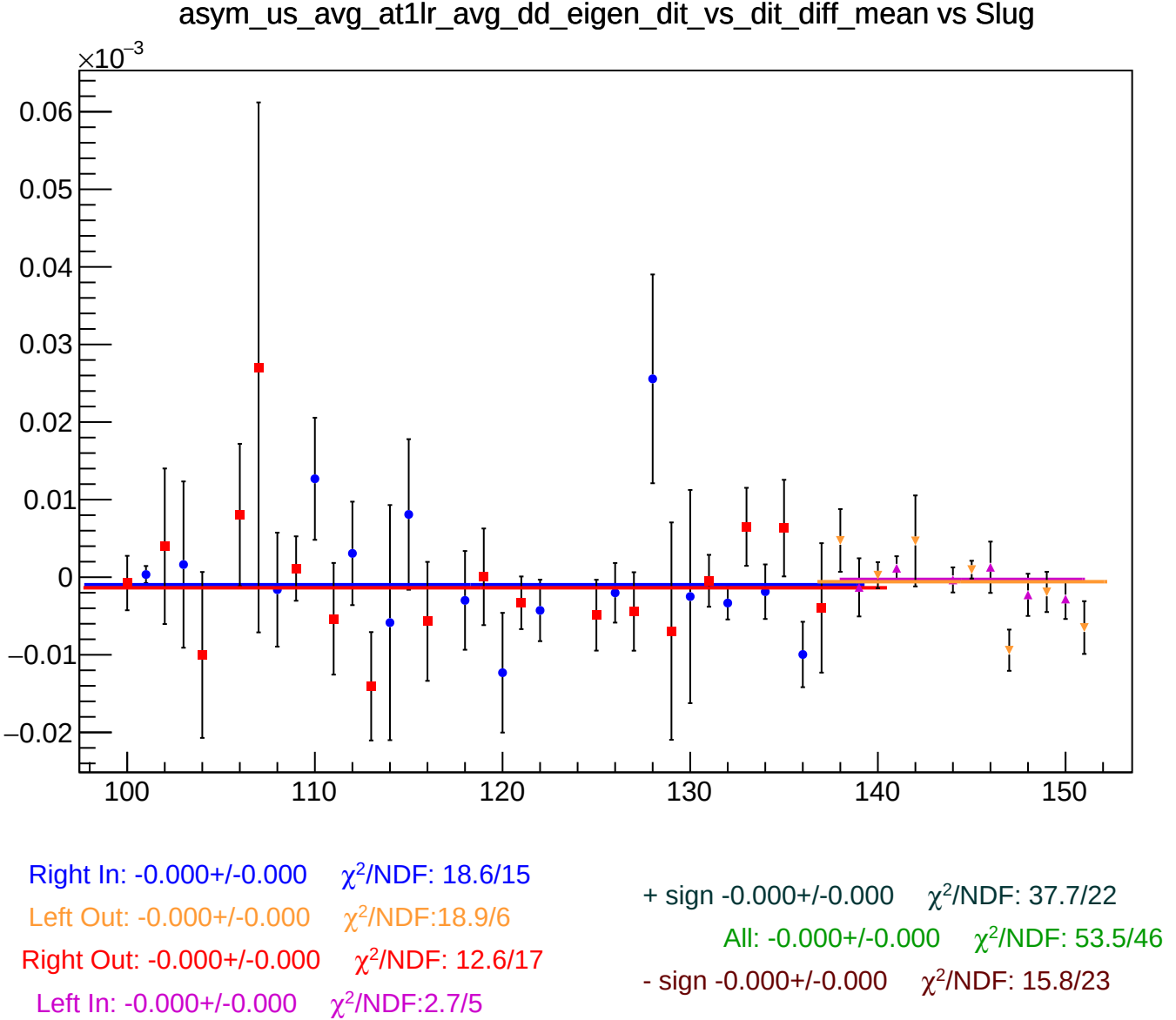
Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

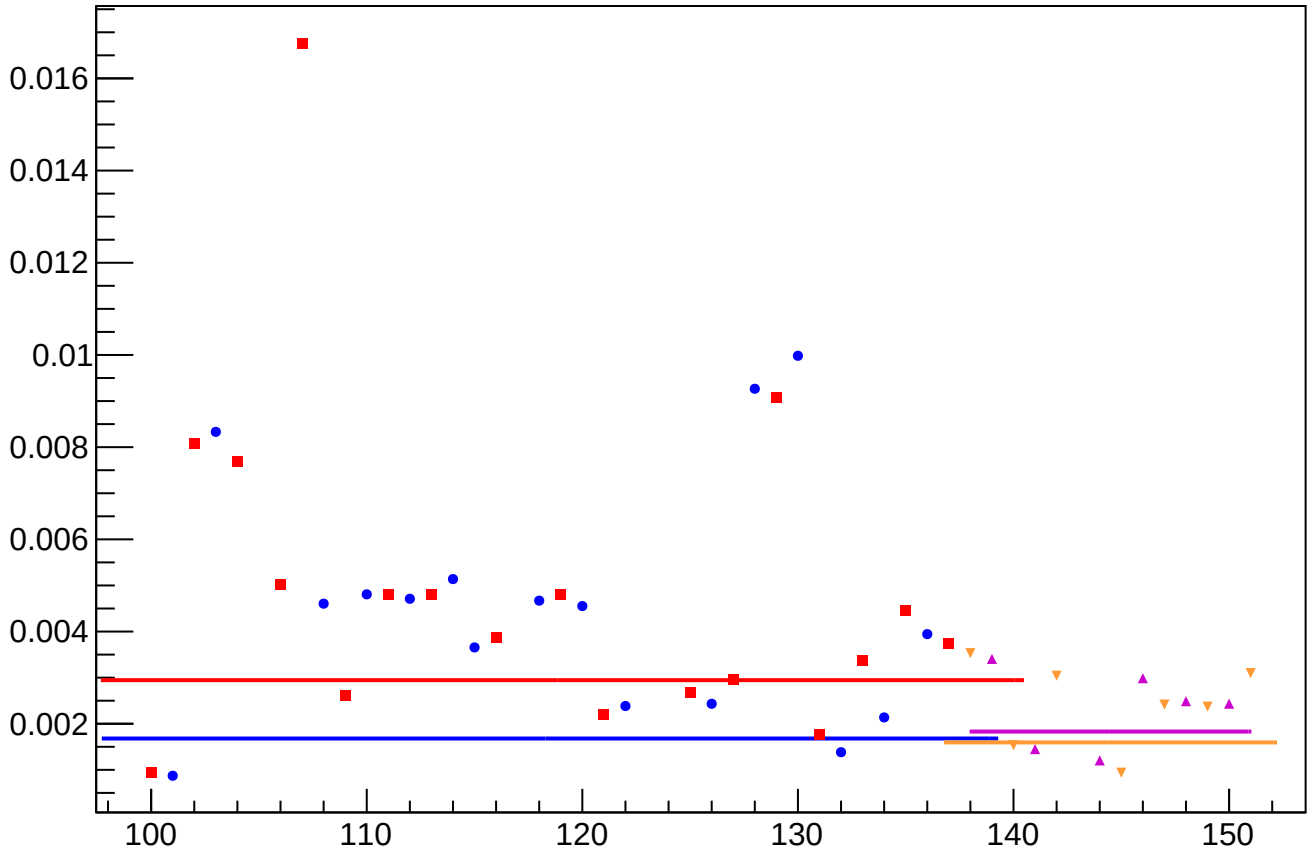
Left In: 42.193+/-0.014 χ^2/NDF:52933.6/5

+ sign 44.977+/-0.010 χ^2/NDF: 2039674.9/22

All: 44.830+/-0.007 χ^2/NDF: 4579717.1/46

- sign 44.676+/-0.010 χ^2/NDF: 2539604.5/23


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
Right In: -0.000+/-0.000 χ²/NDF: 18.6/15
Left Out: -0.000+/-0.000 χ²/NDF:18.9/6
Right Out: -0.000+/-0.000 χ²/NDF: 12.6/17
Left In: -0.000+/-0.000 χ²/NDF:2.7/5
+ sign -0.000+/-0.000 χ²/NDF: 37.7/22
All: -0.000+/-0.000 χ²/NDF: 53.5/46
- sign -0.000+/-0.000 χ²/NDF: 15.8/23



Right In: 0.002+/-0.000 χ^2/NDF: 5960235.0/15

Left Out: 0.002+/-0.000 χ^2/NDF:2000531.9/6

Right Out: 0.003+/-0.000 χ^2/NDF: 3379848.5/17

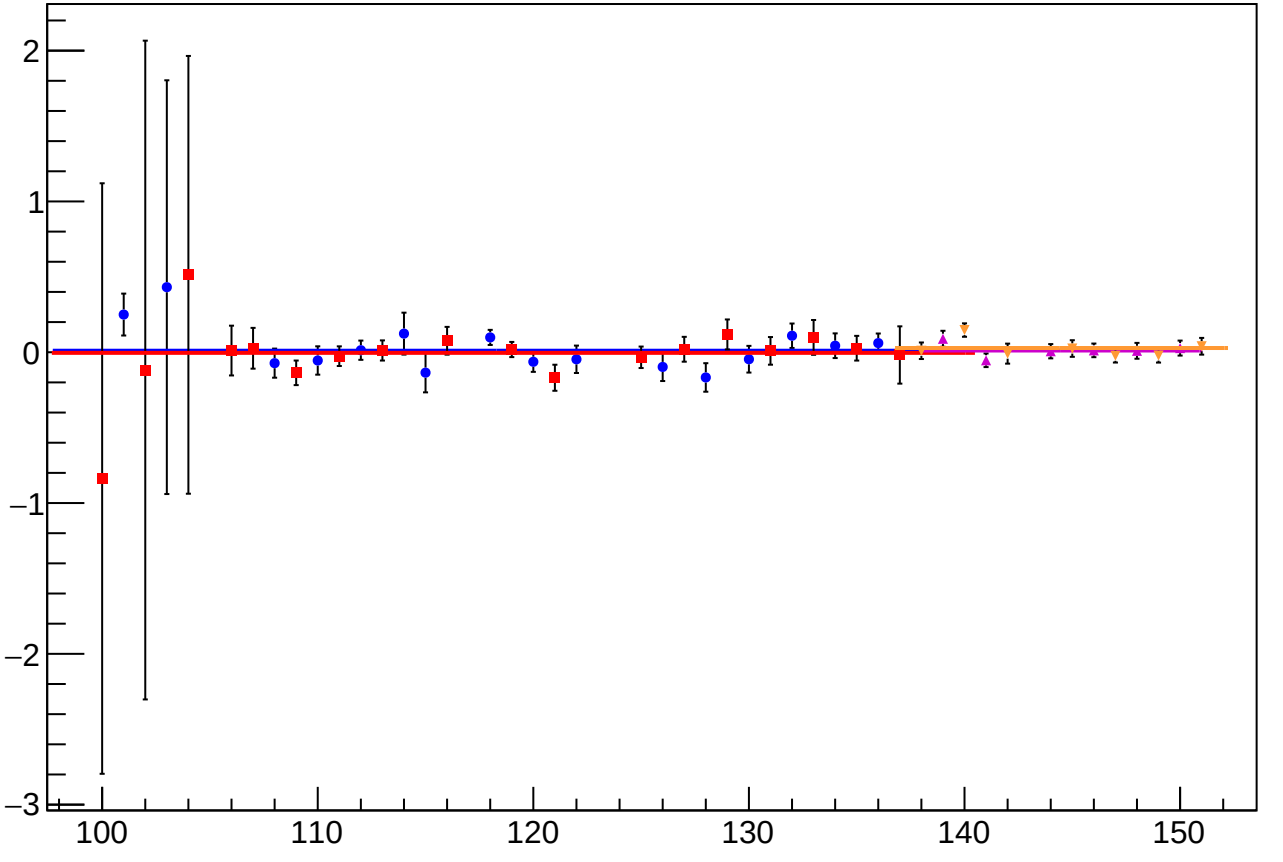
Left In: 0.002+/-0.000 χ^2/NDF:1247261.3/5

+ sign 0.002+/-0.000 χ^2/NDF: 7971653.6/22

All: 0.002+/-0.000 χ^2/NDF: 14321618.8/46

- sign 0.002+/-0.000 χ^2/NDF: 5635997.0/23

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.028+/-0.019 χ^2/NDF:10.1/6

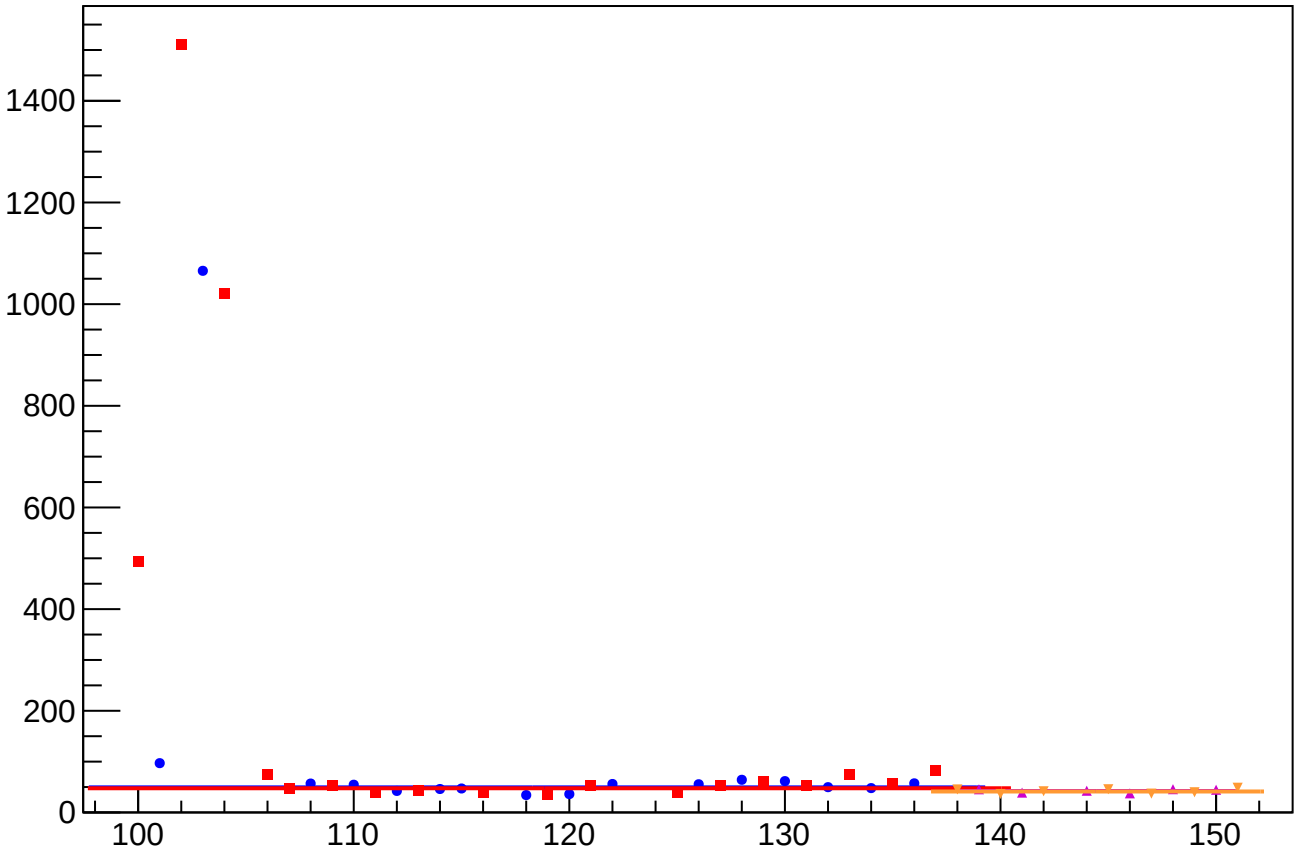
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.012+/-0.020 χ^2/NDF:4.3/5

+ sign 0.020+/-0.014 χ^2/NDF: 28.9/22

All: 0.012+/-0.010 χ^2/NDF: 44.6/46

- sign 0.004+/-0.015 χ^2/NDF: 15.1/23



Right In: 49.333+/-0.015 χ^2/NDF: 1776926.6/15

Left Out: 41.260+/-0.014 χ^2/NDF:102532.7/6

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

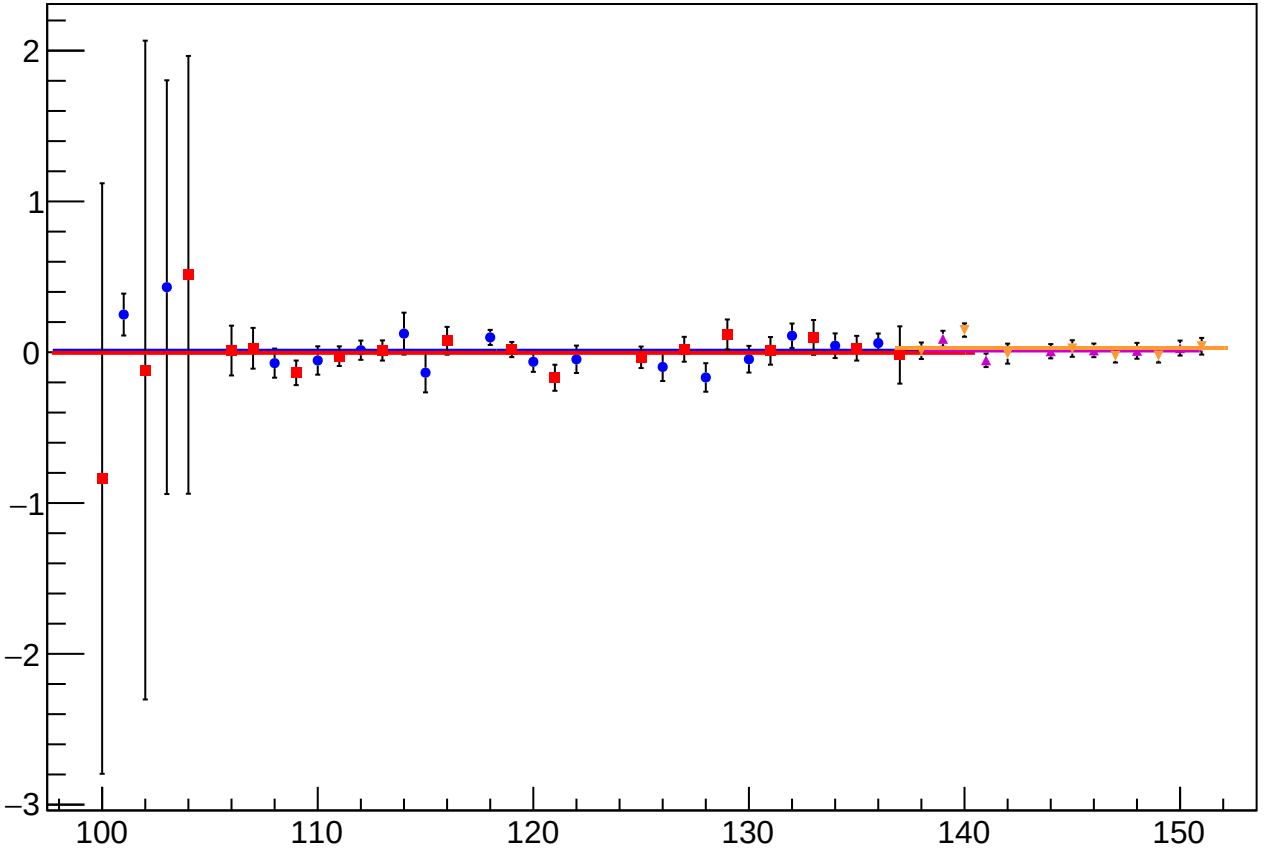
Left In: 42.192+/-0.014 χ^2/NDF:52947.8/5

+ sign 44.977+/-0.010 χ^2/NDF: 2039613.4/22

All: 44.830+/-0.007 χ^2/NDF: 4579703.7/46

- sign 44.675+/-0.010 χ^2/NDF: 2539649.5/23

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: 0.028+/-0.019 χ^2/NDF:10.1/6

Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

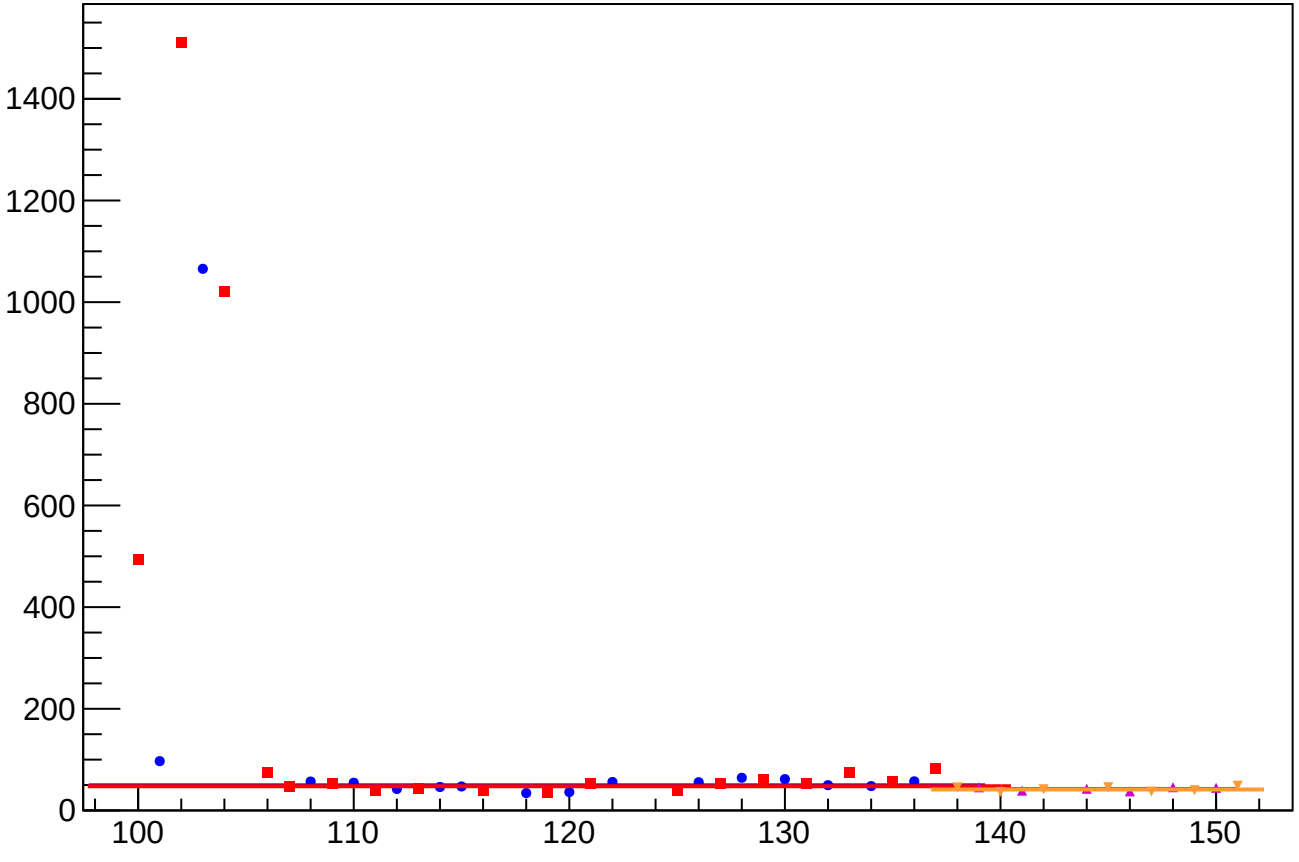
Left In: 0.012+/-0.020 χ^2/NDF:4.3/5

+ sign 0.020+/-0.014 χ^2/NDF: 28.9/22

All: 0.012+/-0.010 χ^2/NDF: 44.6/46

- sign 0.004+/-0.015 χ^2/NDF: 15.1/23

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 49.333+/-0.015 χ^2/NDF: 1776926.6/15

Left Out: 41.260+/-0.014 χ^2/NDF:102532.7/6

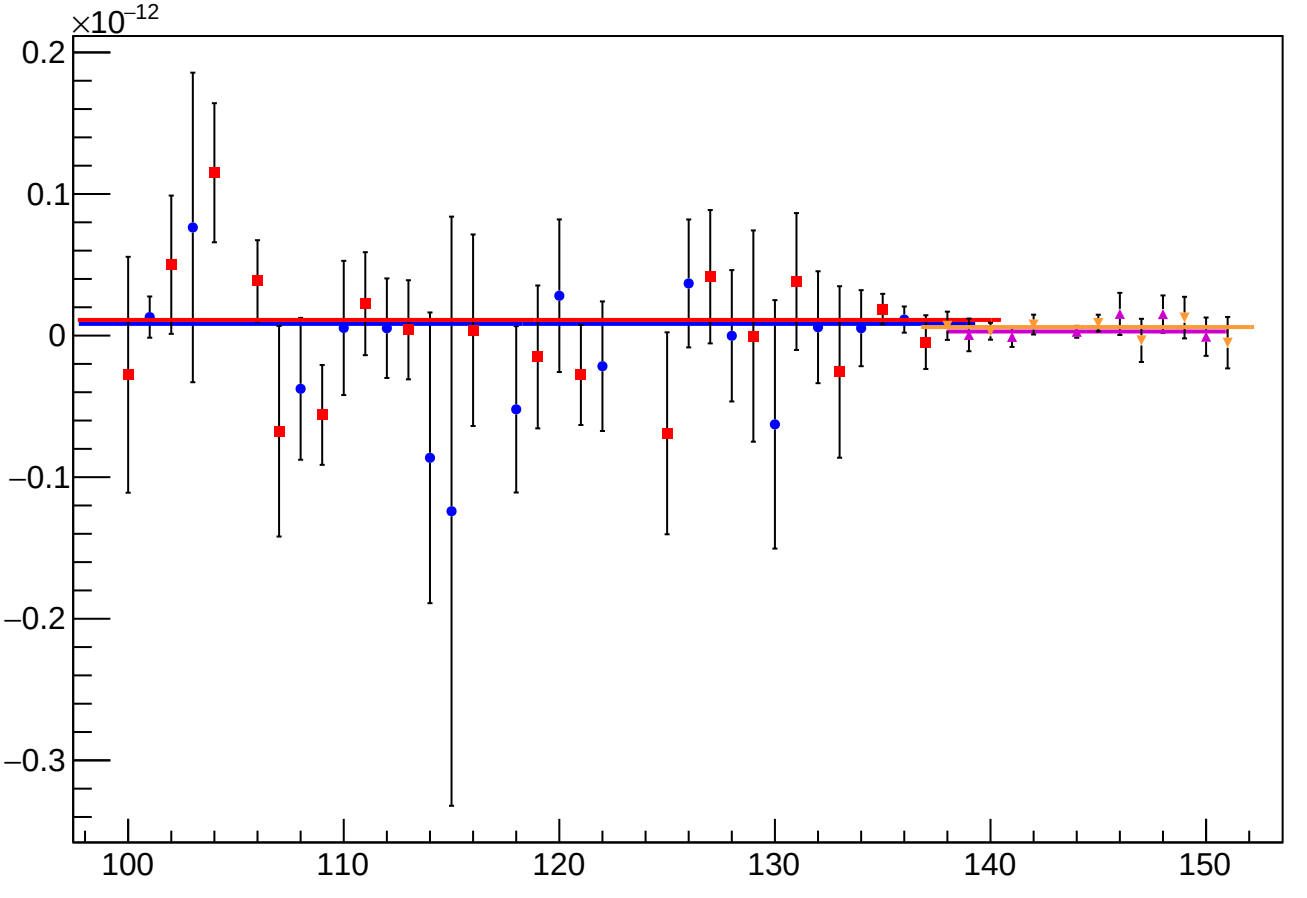
Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 42.192+/-0.014 χ^2/NDF:52947.8/5

+ sign 44.977+/-0.010 χ^2/NDF: 2039613.4/22

All: 44.830+/-0.007 χ^2/NDF: 4579703.7/46

- sign 44.675+/-0.010 χ^2/NDF: 2539649.5/23



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.5/6

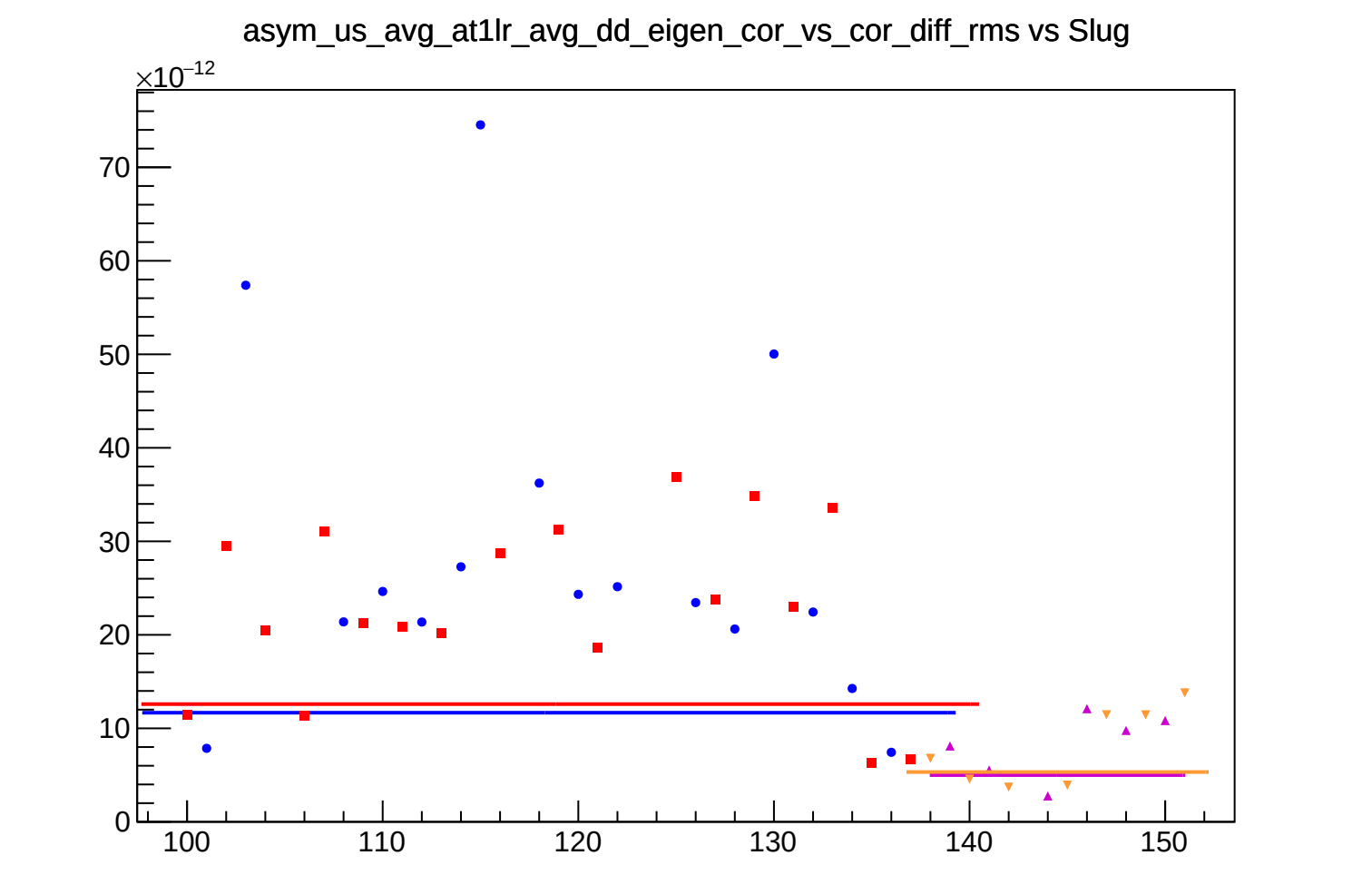
Right Out: 0.000+/-0.000 χ^2/NDF: 16.2/17

Left In: 0.000+/-0.000 χ^2/NDF:2.0/5

+ sign 0.000+/-0.000 χ^2/NDF: 7.0/22

All: 0.000+/-0.000 χ^2/NDF: 26.6/46

- sign 0.000+/-0.000 χ^2/NDF: 19.3/23



Right In: 0.000+/-0.000 χ^2/NDF: 2905247.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1399171.7/6

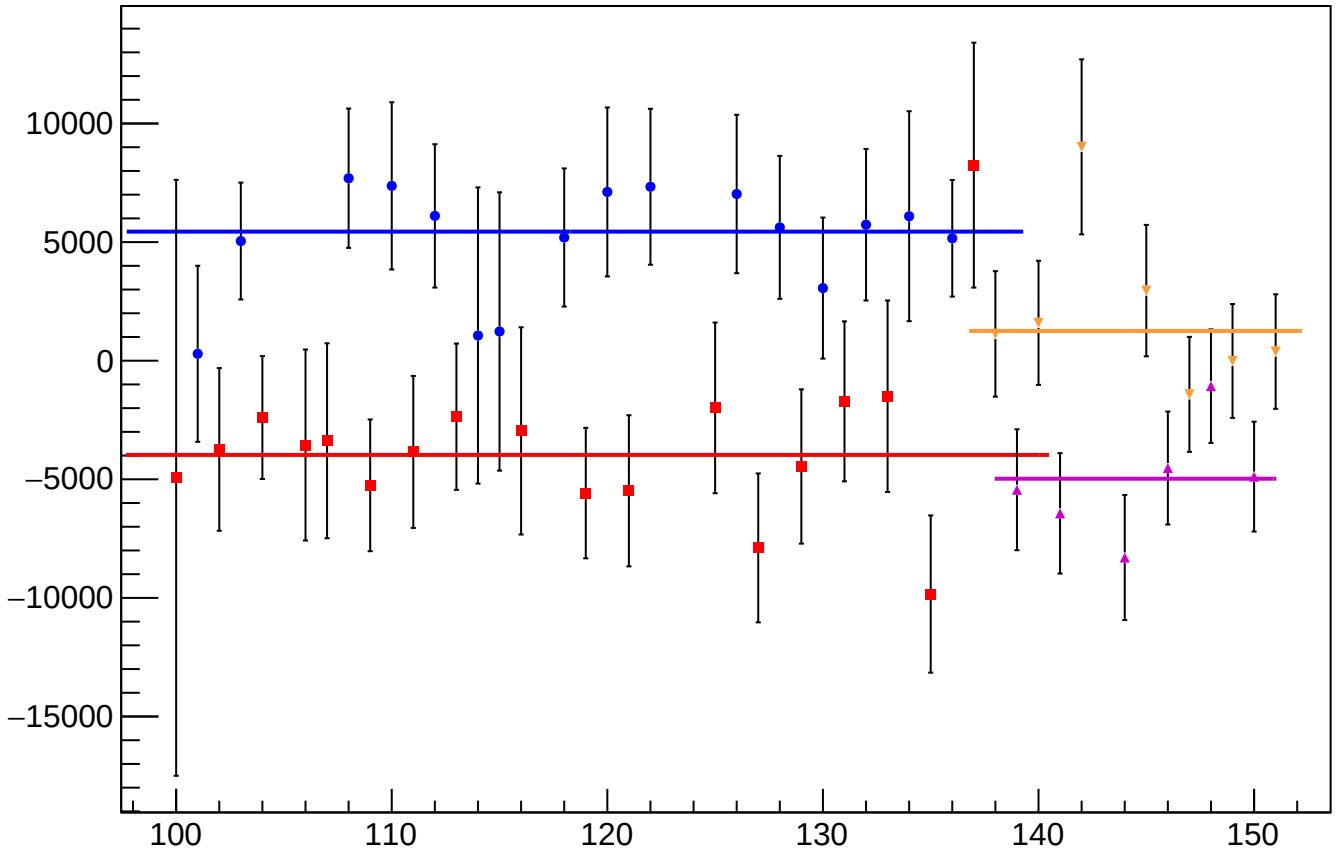
Right Out: 0.000+/-0.000 χ^2/NDF: 2923298.3/17

Left In: 0.000+/-0.000 χ^2/NDF:1810209.5/5

+ sign 0.000+/-0.000 χ^2/NDF: 5780152.5/22

All: 0.000+/-0.000 χ^2/NDF: 12374413.9/46

- sign 0.000+/-0.000 χ^2/NDF: 6584817.4/23



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1255.317+/-996.067 χ^2/NDF:6.4/6

Right Out: -3971.728+/-809.023 χ^2/NDF: 13.0/17

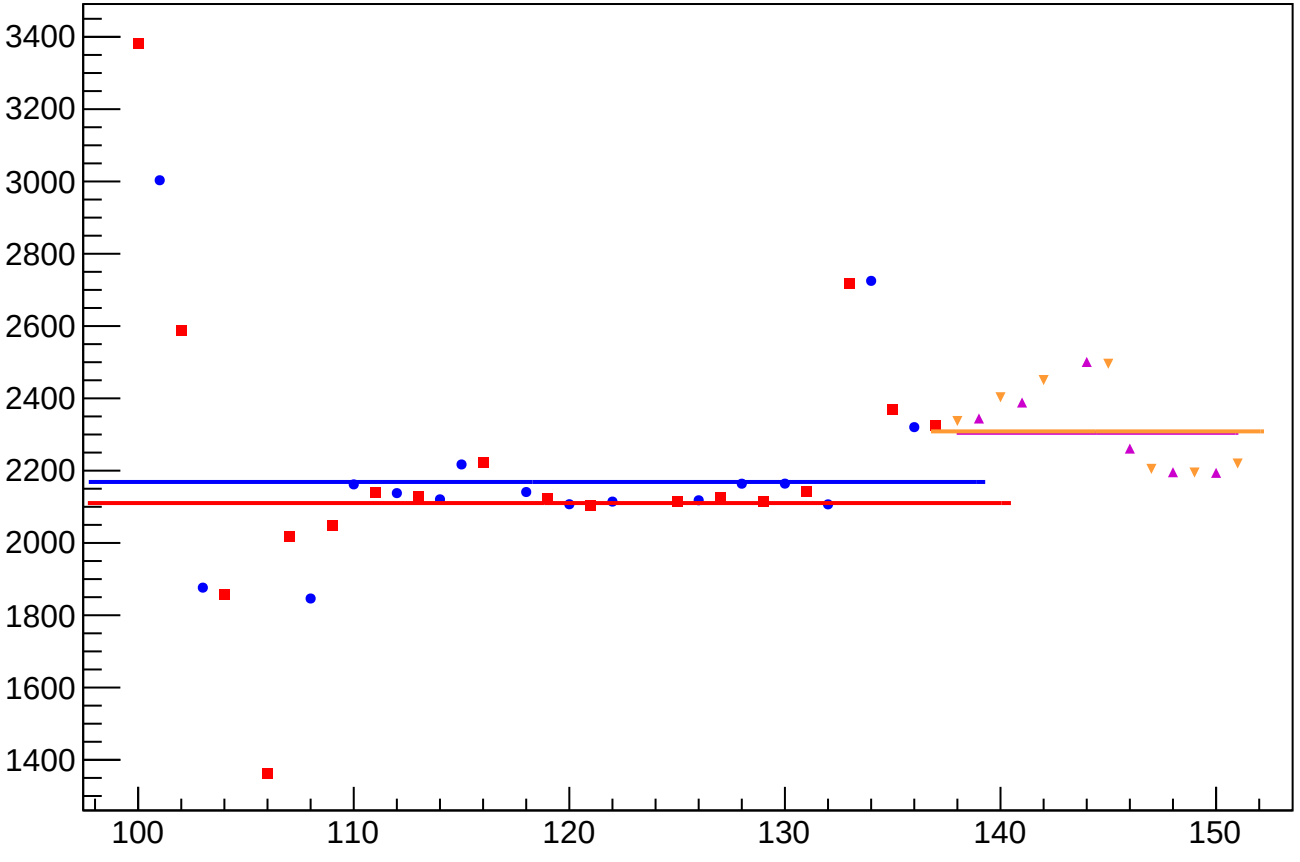
Left In: -4974.595+/-1004.940 χ^2/NDF:4.6/5

+ sign 3769.386+/-629.618 χ^2/NDF: 22.4/22

All: -294.685+/-445.408 χ^2/NDF: 124.0/46

- sign -4366.096+/-630.187 χ^2/NDF: 18.2/23

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2308.634+/-0.704 χ^2/NDF:25796.6/6

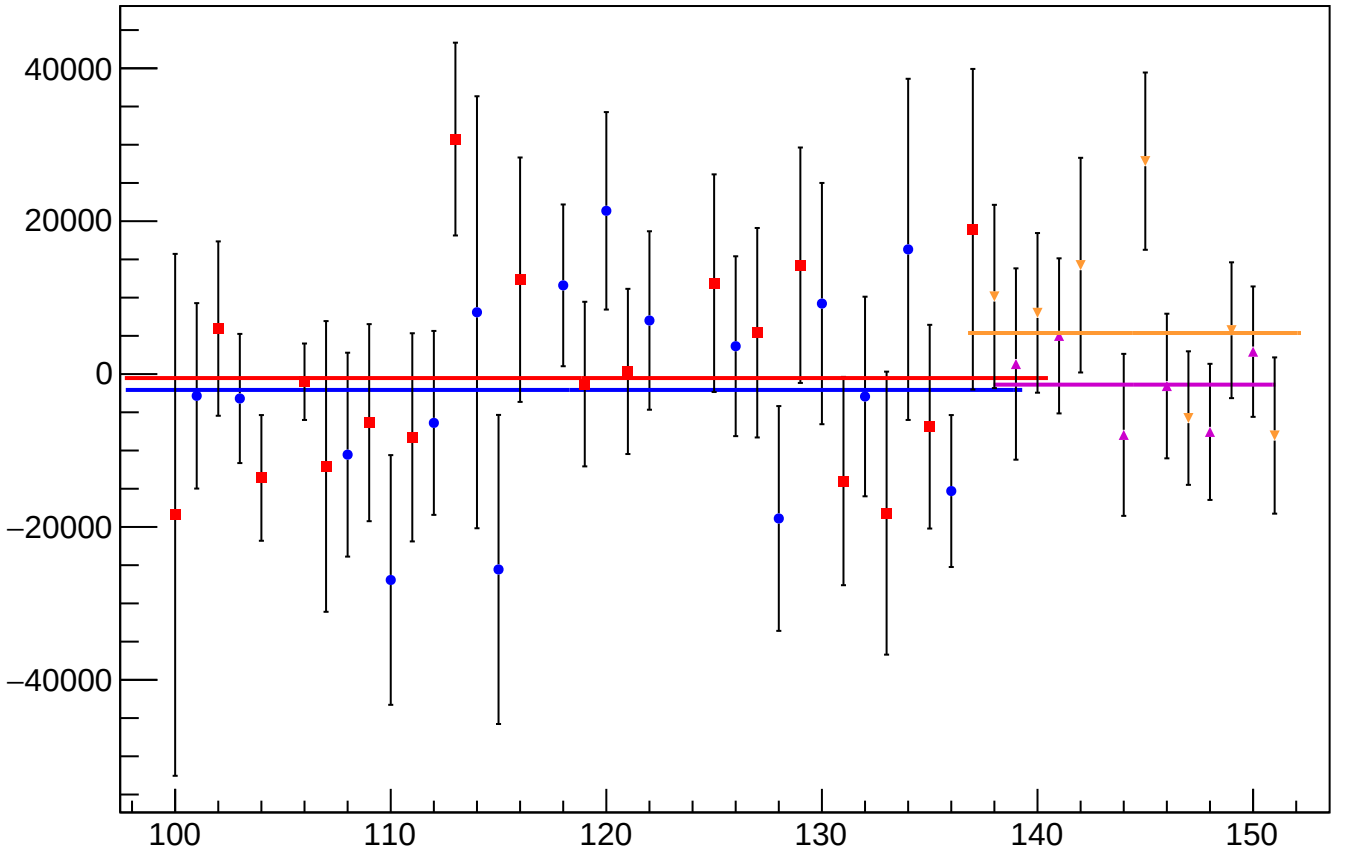
Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2304.690+/-0.711 χ^2/NDF:23118.2/5

+ sign 2224.621+/-0.445 χ^2/NDF: 245152.2/22

All: 2204.787+/-0.313 χ^2/NDF: 585563.4/46

- sign 2185.302+/-0.441 χ^2/NDF: 336476.8/23



Right In: -2074.843+/-3212.093 χ^2/NDF: 14.4/15

Left Out: 5372.927+/-3953.177 χ^2/NDF:7.7/6

Right Out: -521.454+/-2715.587 χ^2/NDF: 15.7/17

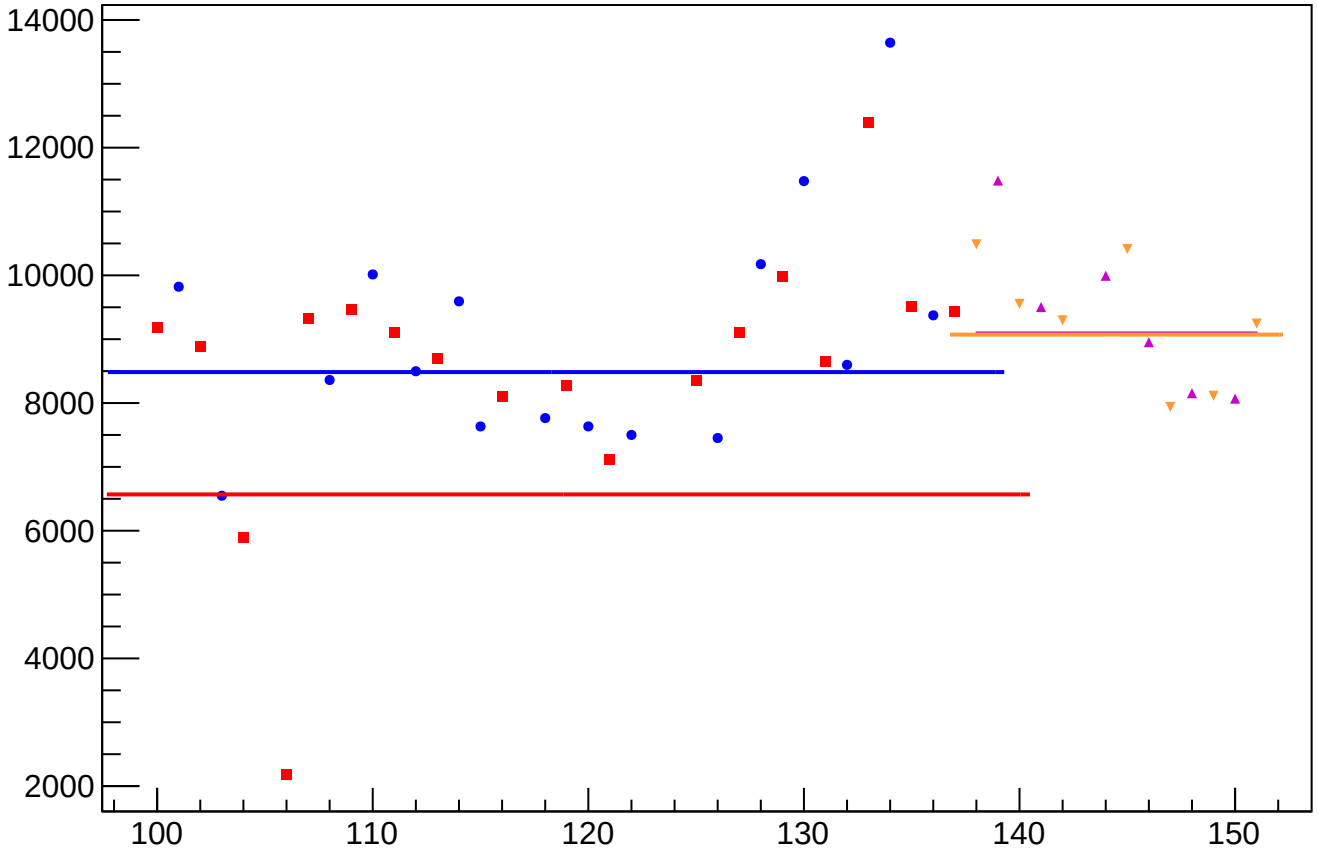
Left In: -1381.966+/-3998.371 χ^2/NDF:1.6/5

\+ sign 886.892+/-2492.908 χ^2/NDF: 24.3/22

All: -40.224+/-1668.831 χ^2/NDF: 41.8/46

\- sign -793.089+/-2246.454 χ^2/NDF: 17.3/23

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug



Right In: 8485.000+/-2.271 χ^2/NDF: 422706.1/15

Left Out: 9072.039+/-2.795 χ^2/NDF:116805.7/6

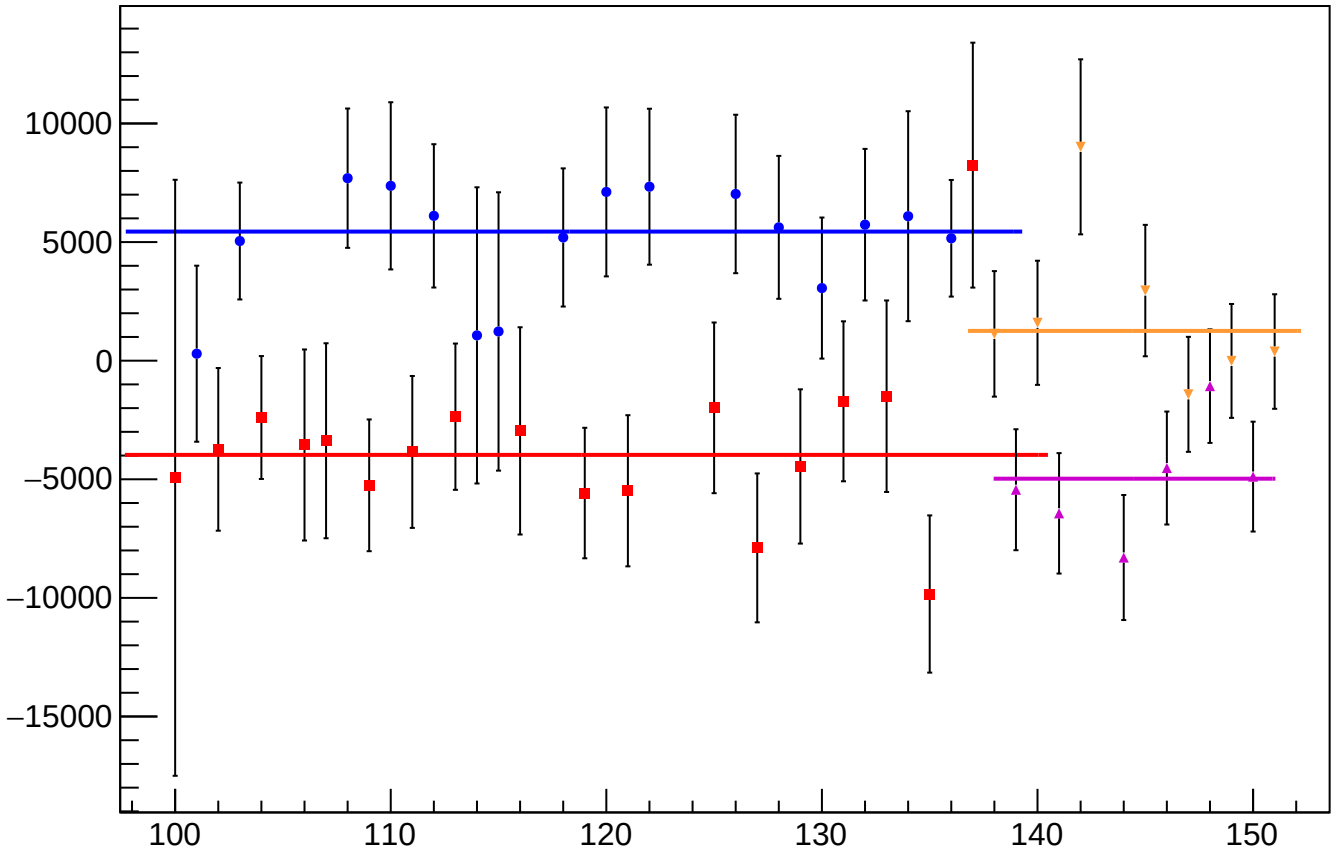
Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

Left In: 9090.063+/-2.827 χ^2/NDF:142268.6/5

+ sign 8718.446+/-1.763 χ^2/NDF: 566076.7/22

All: 7971.321+/-1.180 χ^2/NDF: 4147000.3/46

- sign 7364.618+/-1.588 χ^2/NDF: 3255406.0/23



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1255.201+/-996.067 χ^2/NDF:6.4/6

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

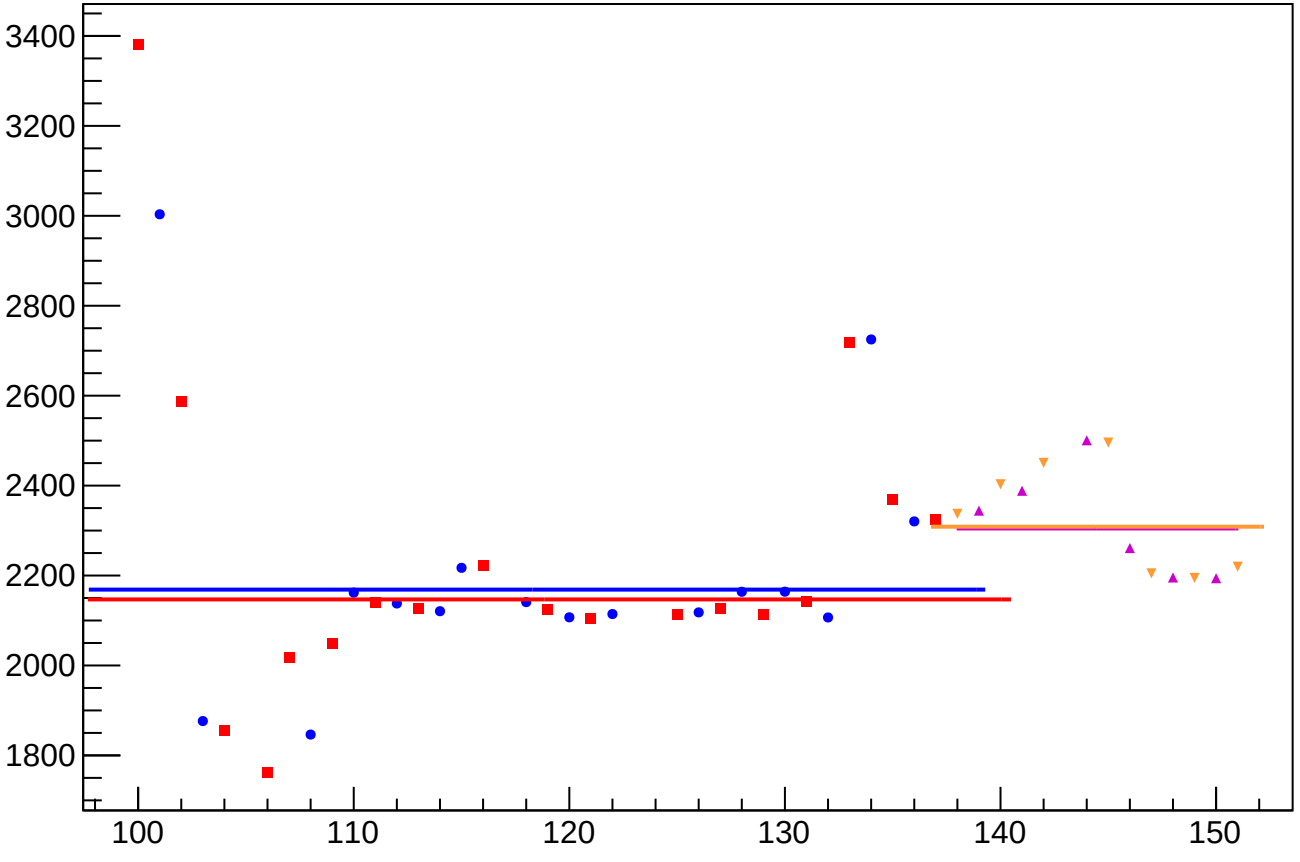
Left In: -4974.864+/-1004.940 χ^2/NDF:4.6/5

+ sign 3769.425+/-629.618 χ^2/NDF: 22.4/22

All: -294.640+/-445.408 χ^2/NDF: 124.0/46

- sign -4366.045+/-630.187 χ^2/NDF: 18.2/23

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2308.634+/-0.704 χ^2/NDF:25796.6/6

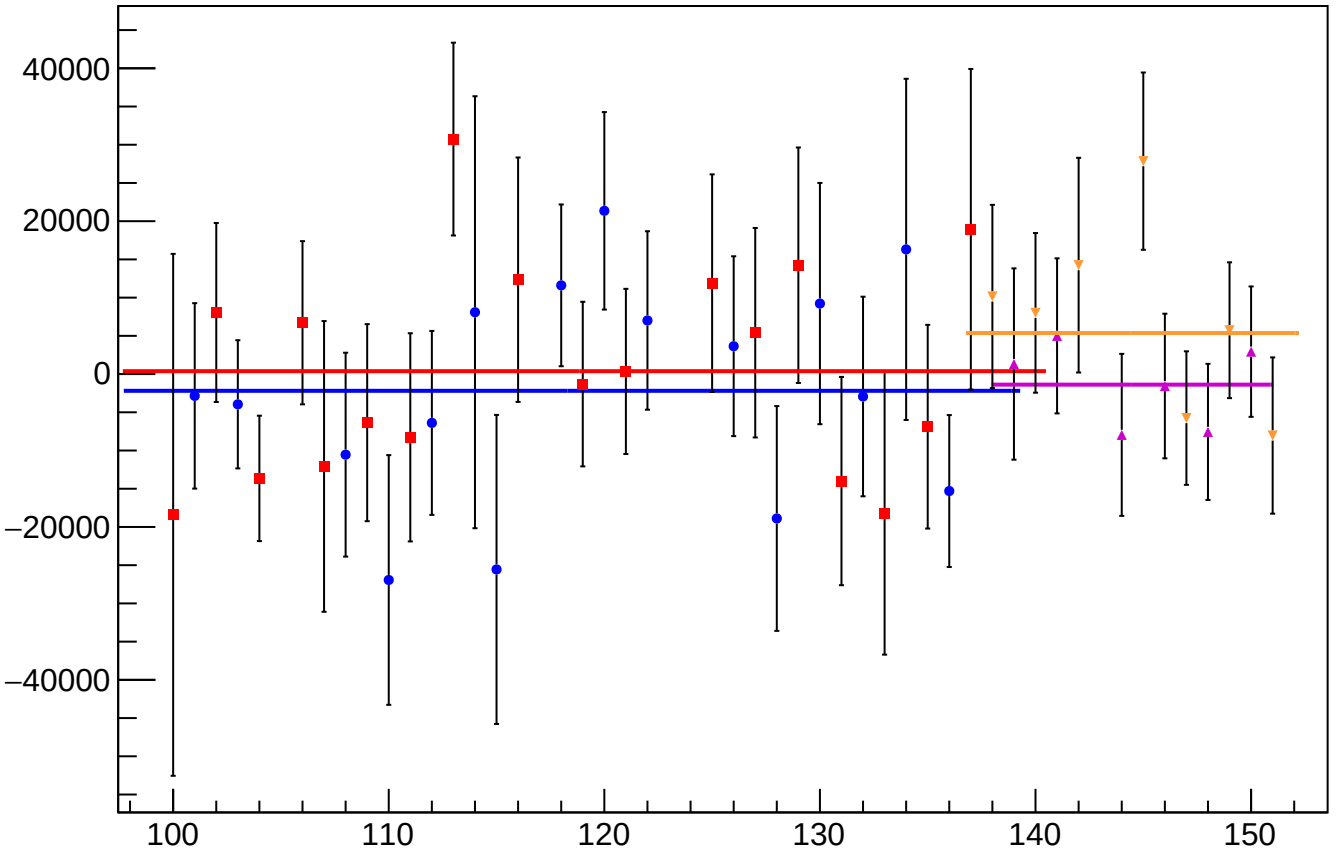
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2304.690+/-0.711 χ^2/NDF:23118.2/5

+ sign 2224.621+/-0.445 χ^2/NDF: 245152.6/22

All: 2216.577+/-0.314 χ^2/NDF: 456712.1/46

- sign 2208.568+/-0.444 χ^2/NDF: 210908.1/23



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: 5372.959+/-3953.173 χ^2/NDF:7.7/6

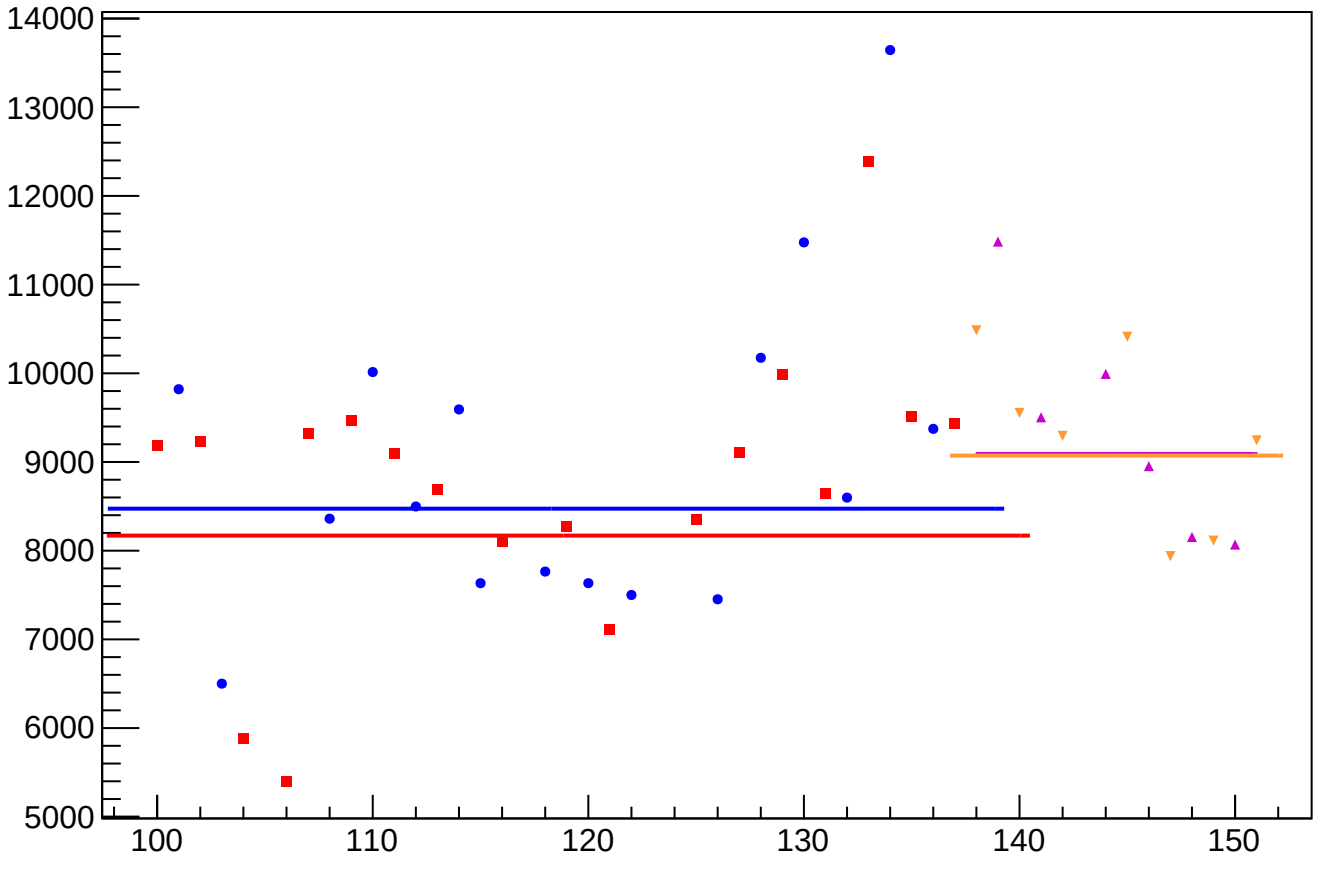
Right Out: 379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: -1382.164+/-3998.368 χ^2/NDF:1.6/5

+ sign 813.968+/-2491.237 χ^2/NDF: 24.4/22

All: 256.791+/-1746.768 χ^2/NDF: 42.5/46

- sign -282.043+/-2449.888 χ^2/NDF: 18.0/23



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 9072.028+/-2.795 χ^2/NDF:116806.1/6

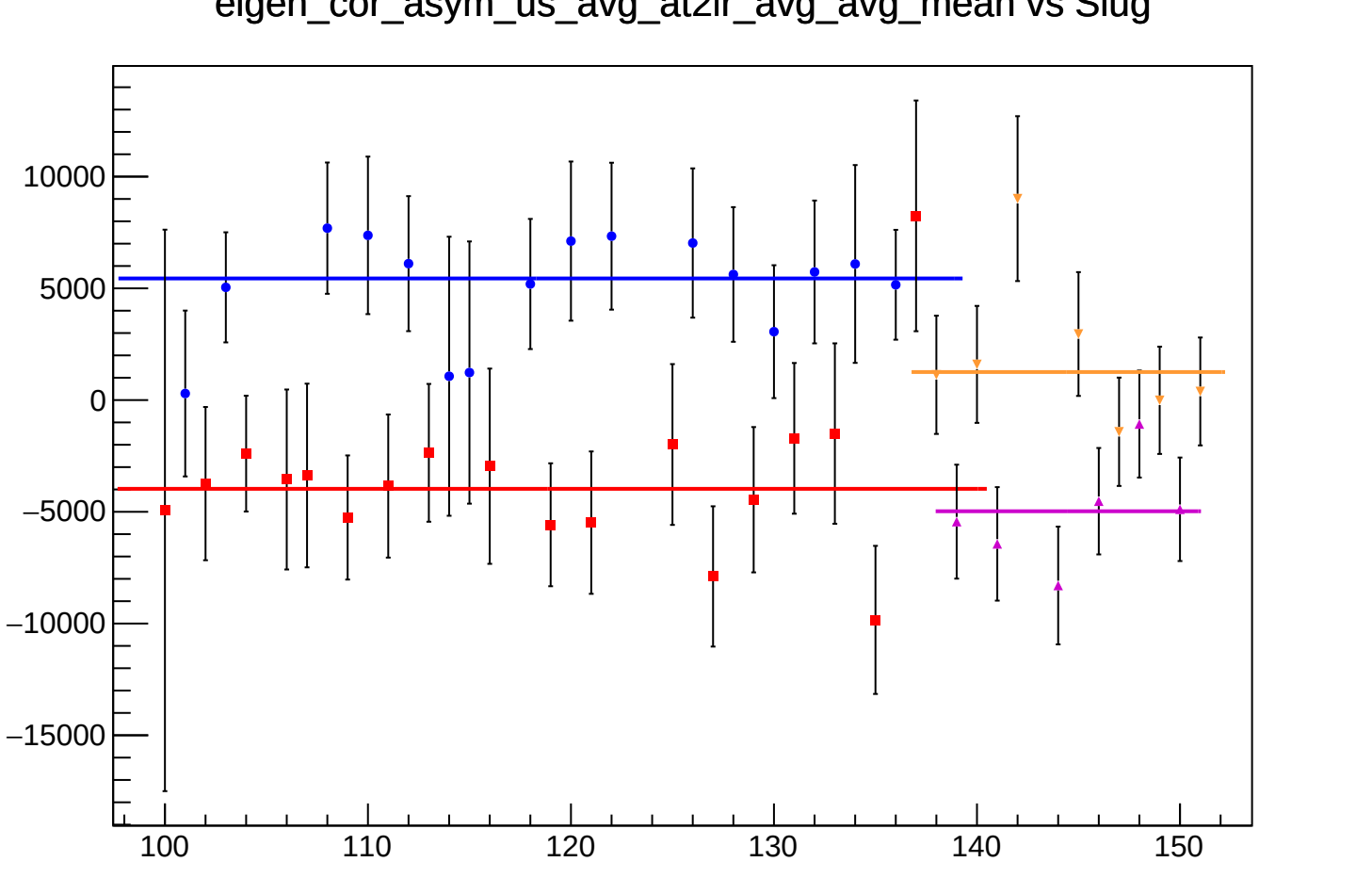
Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 9090.056+/-2.827 χ^2/NDF:142268.9/5

+ sign 8711.343+/-1.762 χ^2/NDF: 573970.2/22

All: 8611.748+/-1.235 χ^2/NDF: 1328590.5/46

- sign 8515.432+/-1.732 χ^2/NDF: 748332.5/23



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1255.201+/-996.067 χ^2/NDF:6.4/6

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

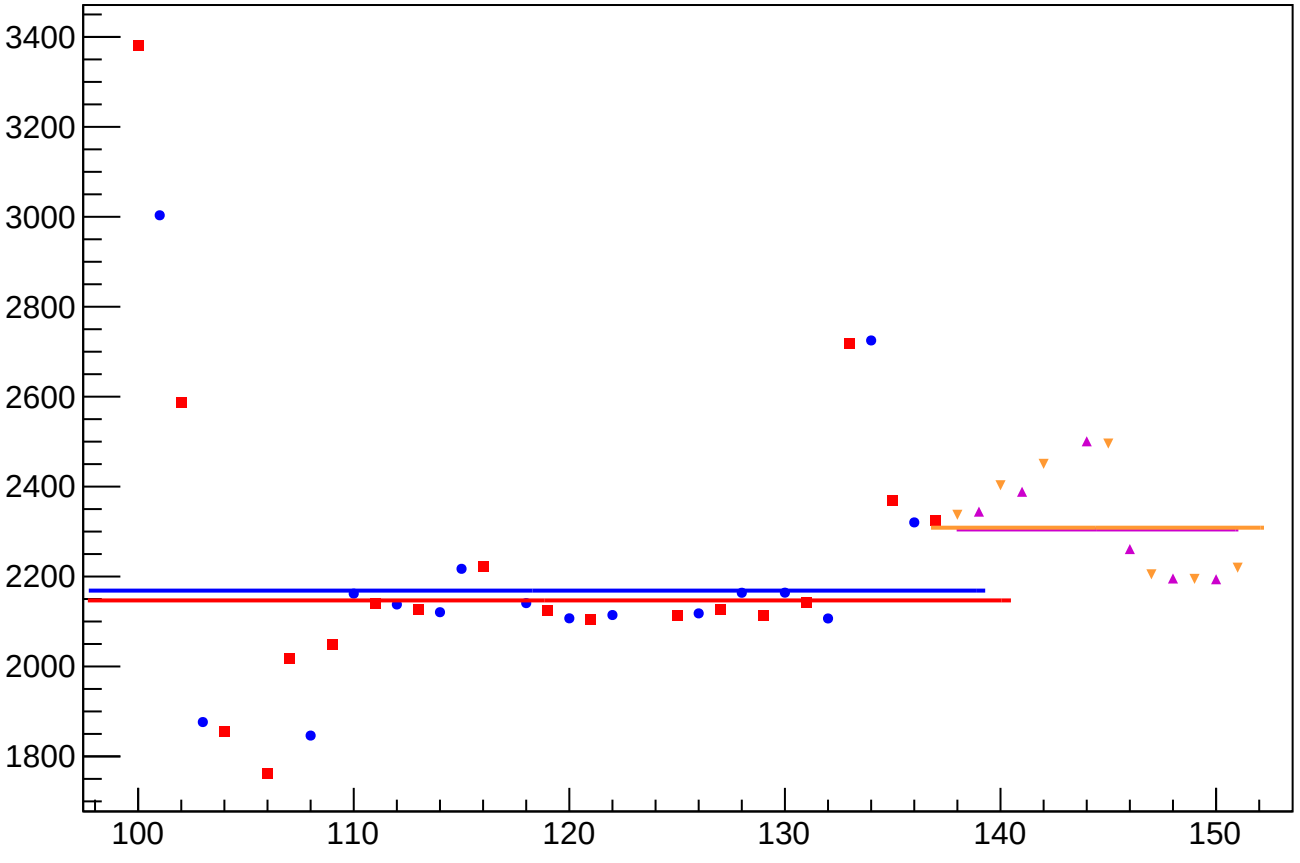
Left In: -4974.864+/-1004.940 χ^2/NDF:4.6/5

+ sign 3769.425+/-629.618 χ^2/NDF: 22.4/22

All: -294.640+/-445.408 χ^2/NDF: 124.0/46

- sign -4366.045+/-630.187 χ^2/NDF: 18.2/23

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: 2308.634+/-0.704 χ^2/NDF:25796.6/6

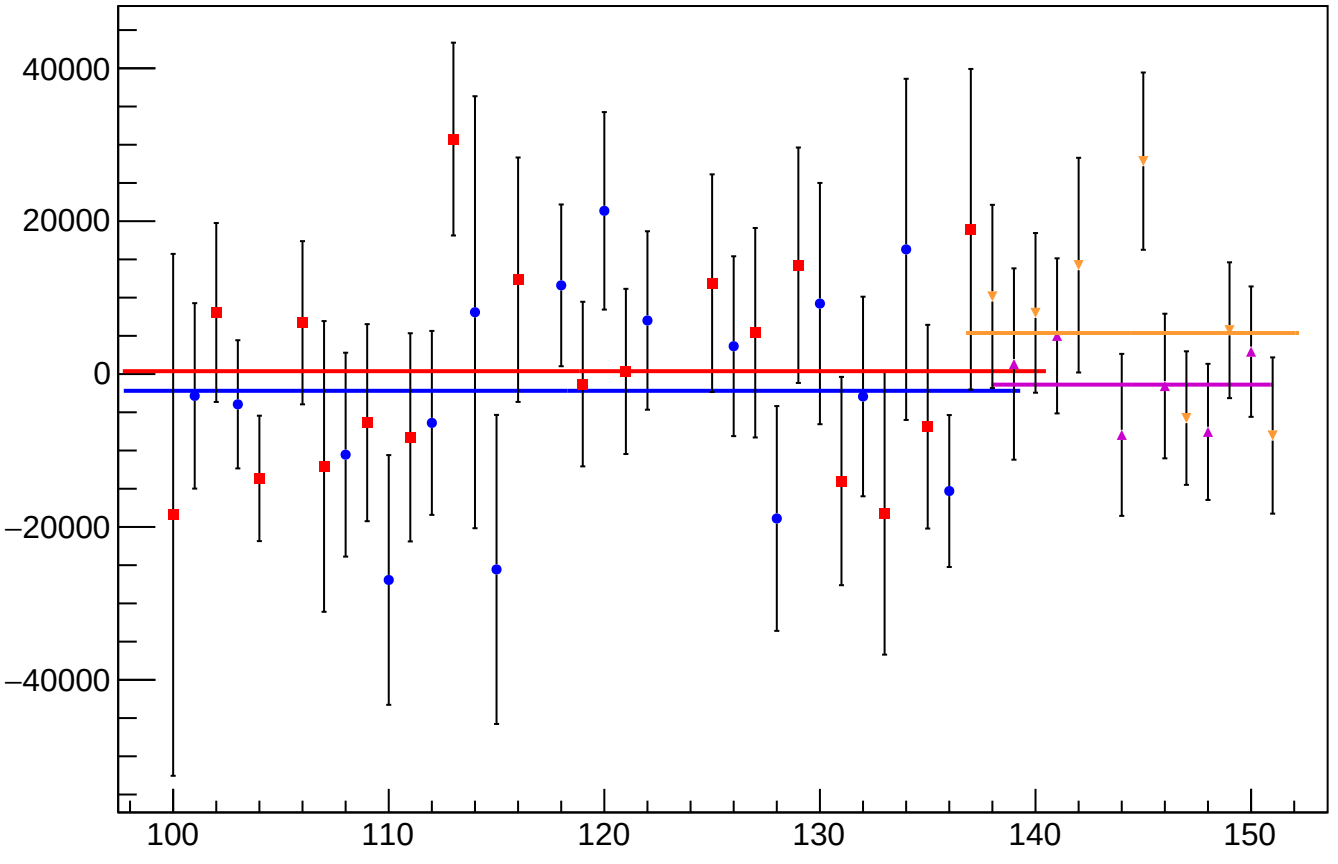
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2304.690+/-0.711 χ^2/NDF:23118.2/5

+ sign 2224.621+/-0.445 χ^2/NDF: 245152.6/22

All: 2216.577+/-0.314 χ^2/NDF: 456712.1/46

- sign 2208.568+/-0.444 χ^2/NDF: 210908.1/23



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: 5372.959+/-3953.173 χ^2/NDF:7.7/6

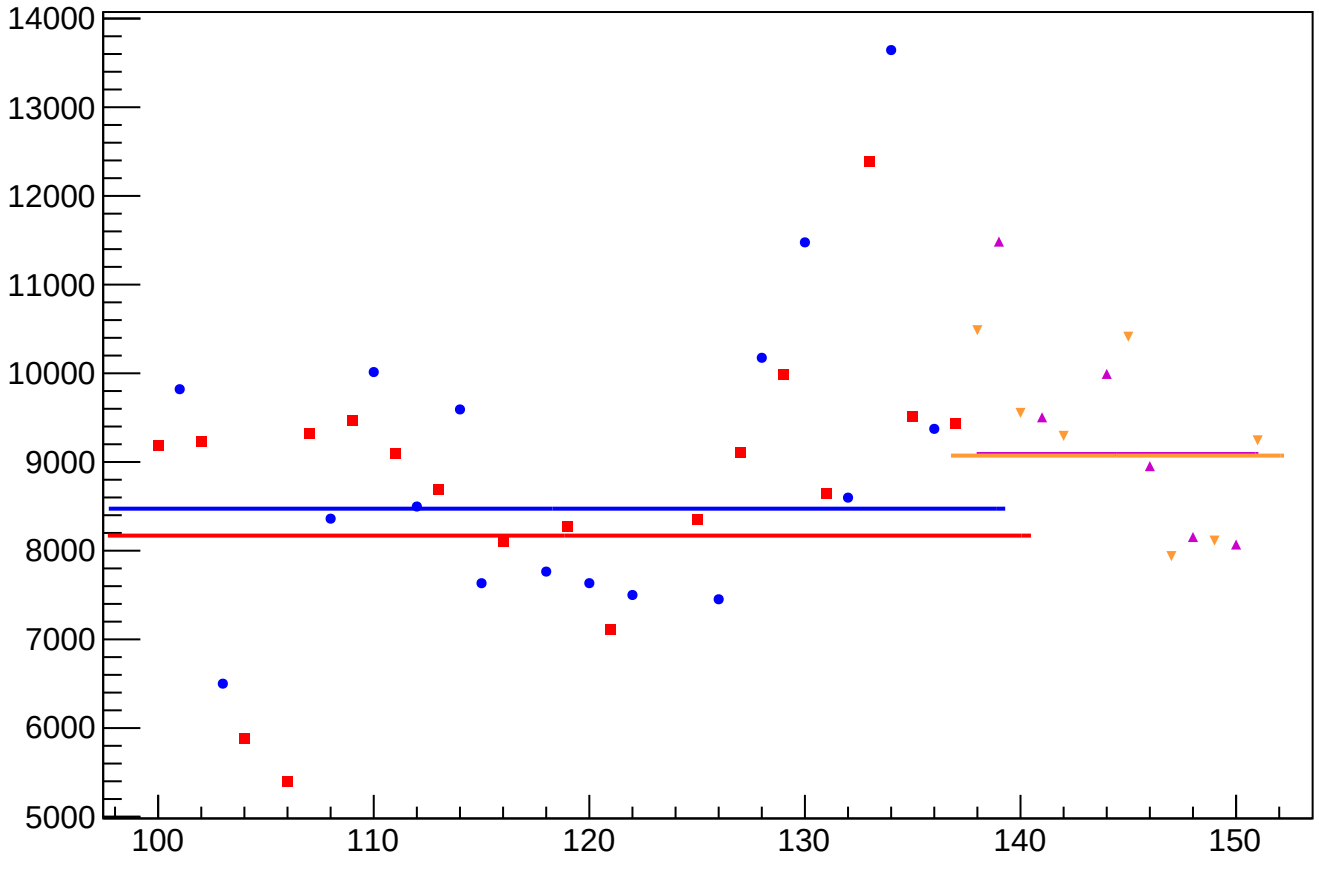
Right Out: 379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: -1382.164+/-3998.368 χ^2/NDF:1.6/5

+ sign 813.968+/-2491.237 χ^2/NDF: 24.4/22

All: 256.791+/-1746.768 χ^2/NDF: 42.5/46

- sign -282.043+/-2449.888 χ^2/NDF: 18.0/23



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 9072.028+/-2.795 χ^2/NDF:116806.1/6

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

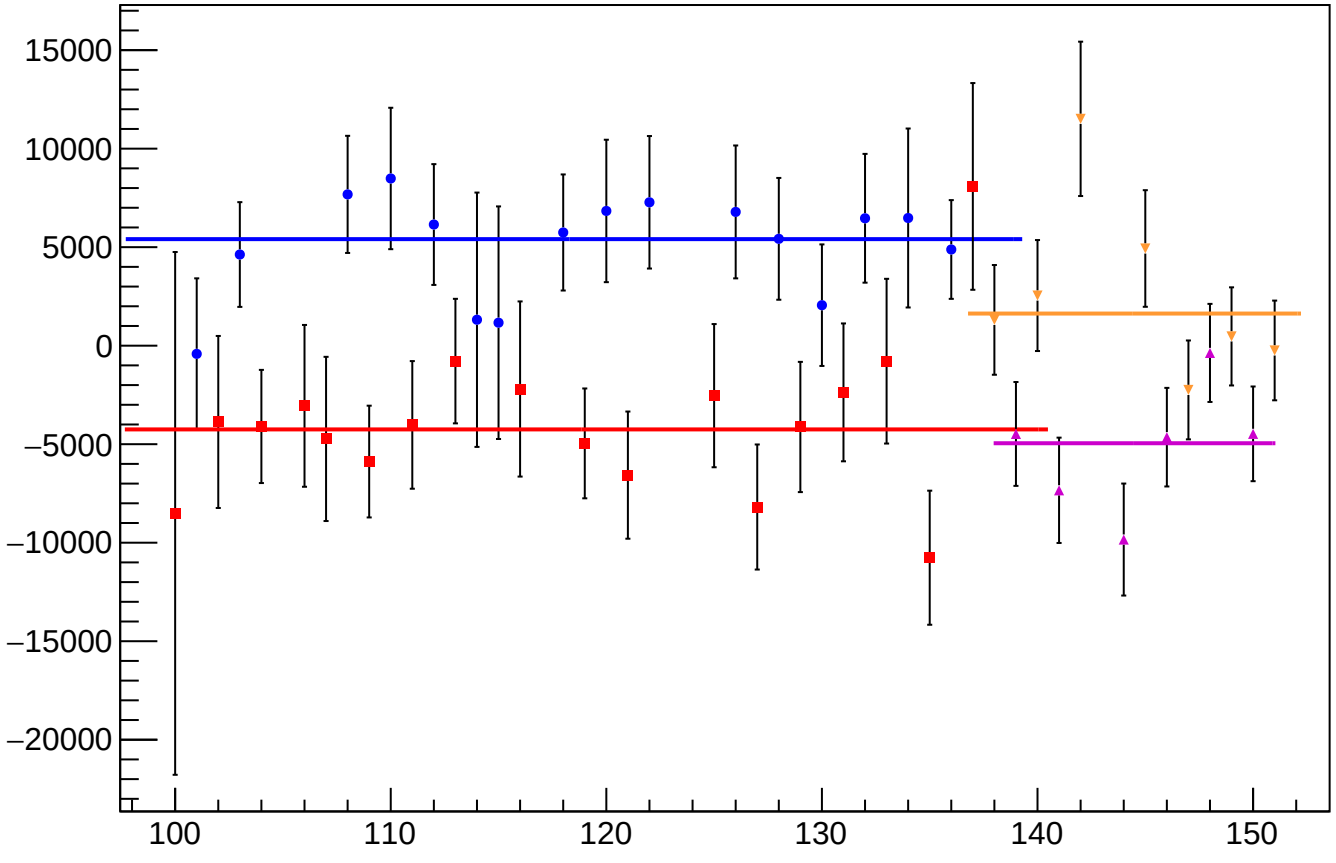
Left In: 9090.056+/-2.827 χ^2/NDF:142268.9/5

+ sign 8711.343+/-1.762 χ^2/NDF: 573970.2/22

All: 8611.748+/-1.235 χ^2/NDF: 1328590.5/46

- sign 8515.432+/-1.732 χ^2/NDF: 748332.5/23

dit_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 1630.588+/-1047.945 χ^2/NDF:10.9/6

Right Out: -4249.899+/-839.336 χ^2/NDF: 14.5/17

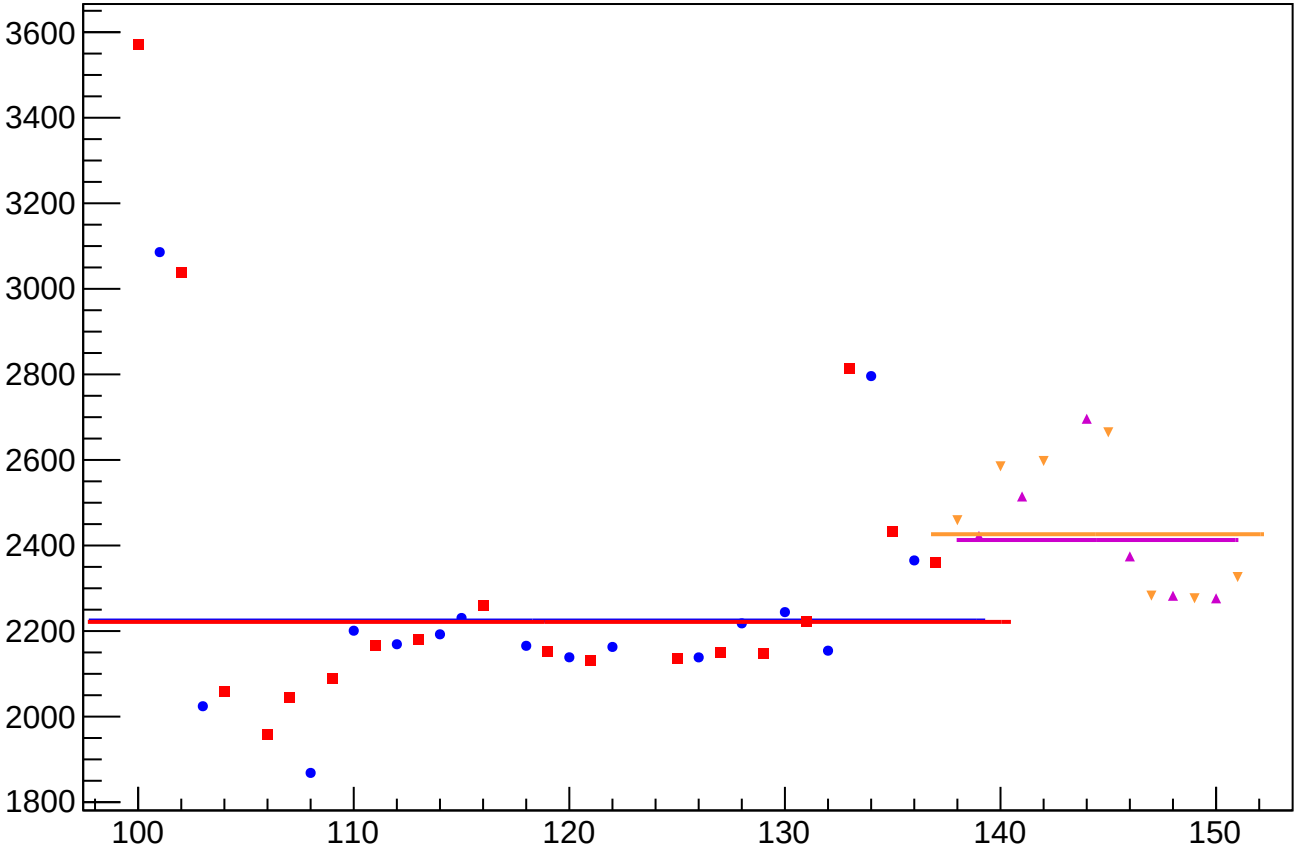
Left In: -4951.531+/-1052.910 χ^2/NDF:7.2/5

+ sign 3943.830+/-652.416 χ^2/NDF: 25.6/22

All: -264.093+/-462.702 χ^2/NDF: 131.2/46

- sign -4522.519+/-656.320 χ^2/NDF: 22.0/23

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2426.367+/-0.741 χ^2/NDF:40309.0/6

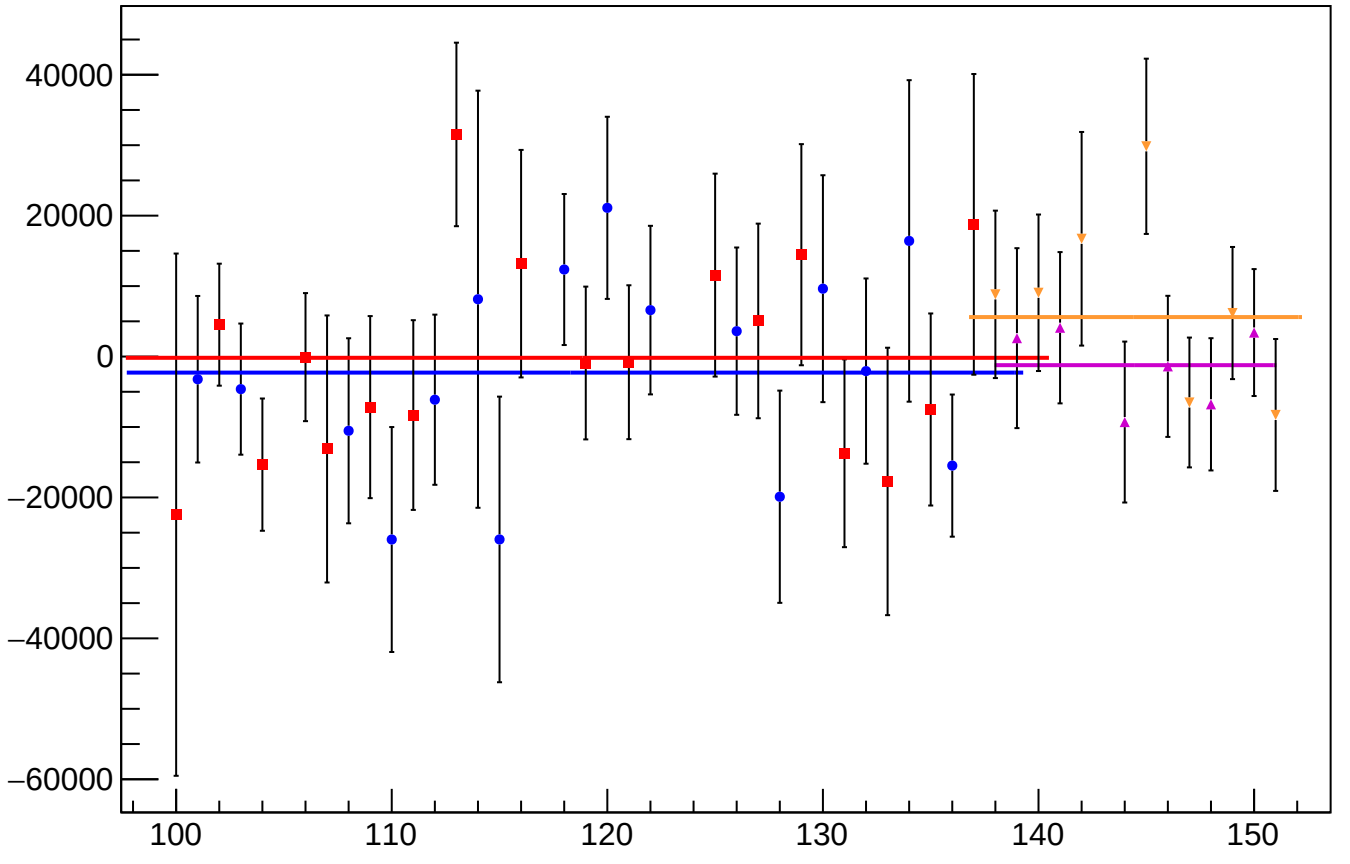
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2412.832+/-0.745 χ^2/NDF:35207.4/5

\+ sign 2302.811+/-0.461 χ^2/NDF: 270386.9/22

All: 2299.296+/-0.327 χ^2/NDF: 516088.0/46

\- sign 2295.741+/-0.464 χ^2/NDF: 245584.3/23



Right In: -2278.440+/-3271.750 χ^2/NDF: 14.5/15

Left Out: 5603.019+/-4161.099 χ^2/NDF:7.9/6

Right Out: -177.024+/-3035.355 χ^2/NDF: 15.6/17

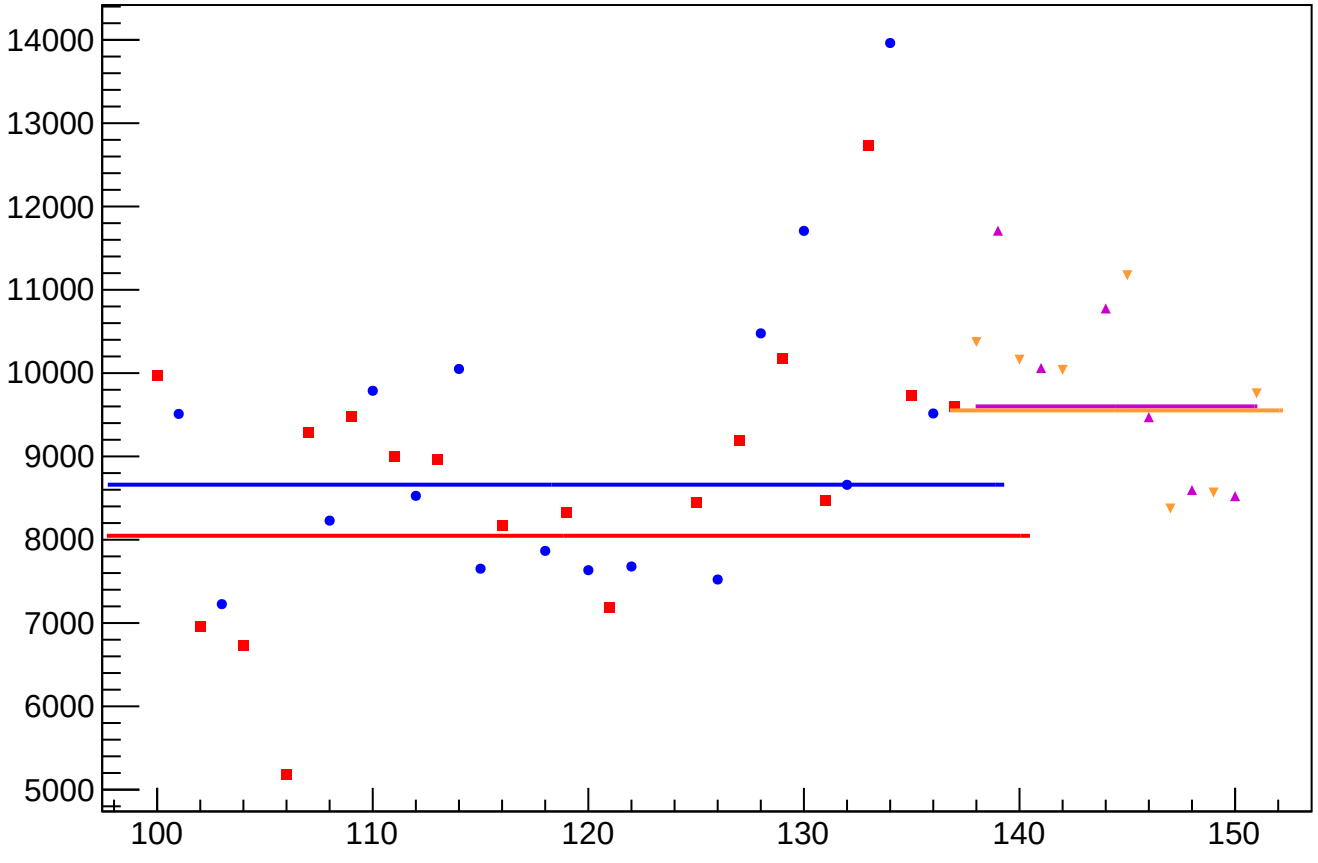
Left In: -1222.842+/-4221.266 χ^2/NDF:1.4/5

+ sign 732.574+/-2571.942 χ^2/NDF: 24.6/22

All: 72.529+/-1779.394 χ^2/NDF: 41.9/46

- sign -533.467+/-2464.390 χ^2/NDF: 17.1/23

asym_us_avg_at2lr_avg_avg_dit_correction_rms vs Slug



Right In: 8660.733+/-2.313 χ^2/NDF: 357961.9/15

Left Out: 9552.542+/-2.942 χ^2/NDF:107150.2/6

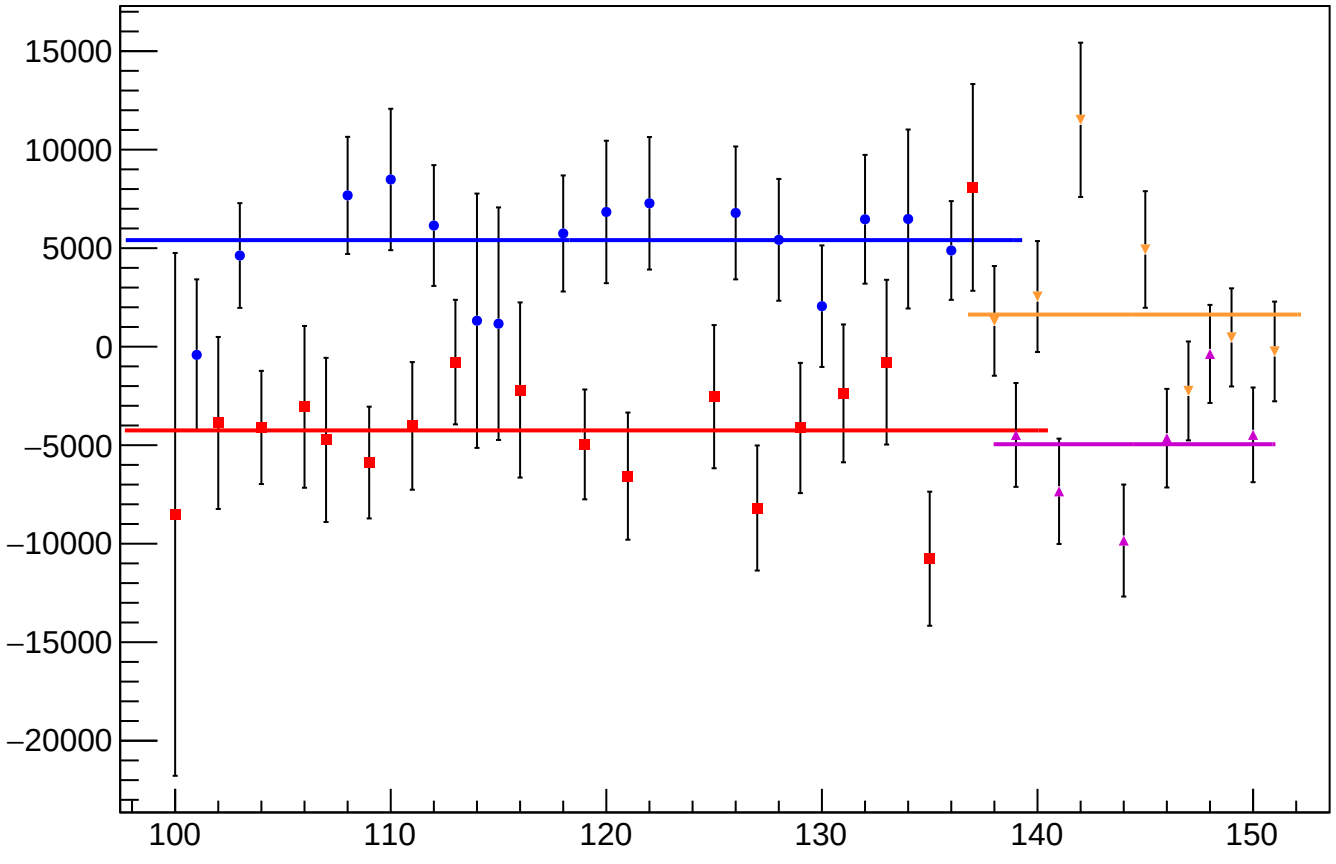
Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 9600.418+/-2.985 χ^2/NDF:131265.0/5

\+ sign 9001.437+/-1.819 χ^2/NDF: 521882.2/22

All: 8780.028+/-1.258 χ^2/NDF: 1418564.9/46

\- sign 8576.749+/-1.743 χ^2/NDF: 868253.0/23



Right In: 5407.869+/-833.688 χ^2/NDF: 6.7/15

Left Out: 1630.593+/-1047.946 χ^2/NDF:10.9/6

Right Out: -4249.903+/-839.335 χ^2/NDF: 14.5/17

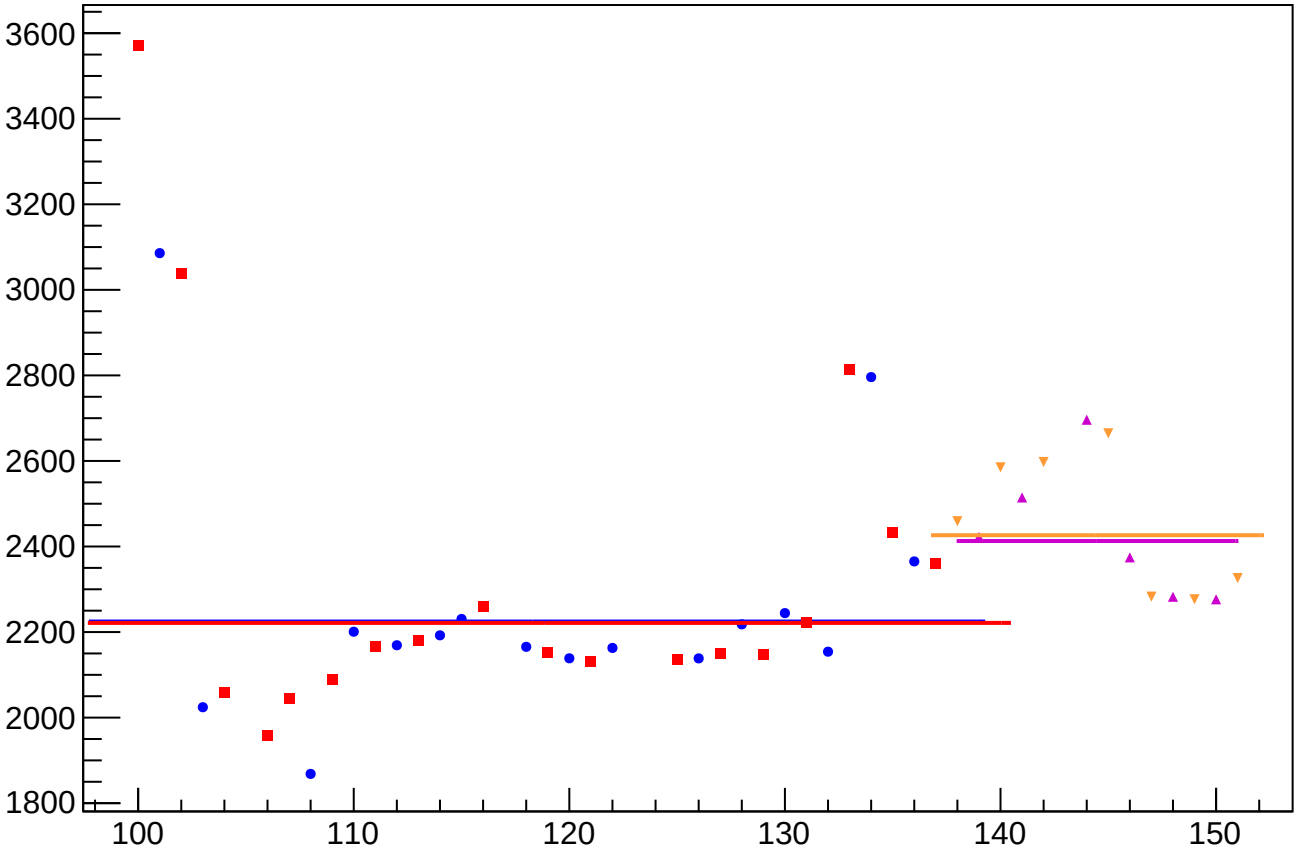
Left In: -4951.527+/-1052.911 χ^2/NDF:7.2/5

+ sign 3943.835+/-652.417 χ^2/NDF: 25.6/22

All: -264.091+/-462.702 χ^2/NDF: 131.2/46

- sign -4522.520+/-656.320 χ^2/NDF: 22.0/23

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: 2426.369+/-0.741 χ^2/NDF:40309.7/6

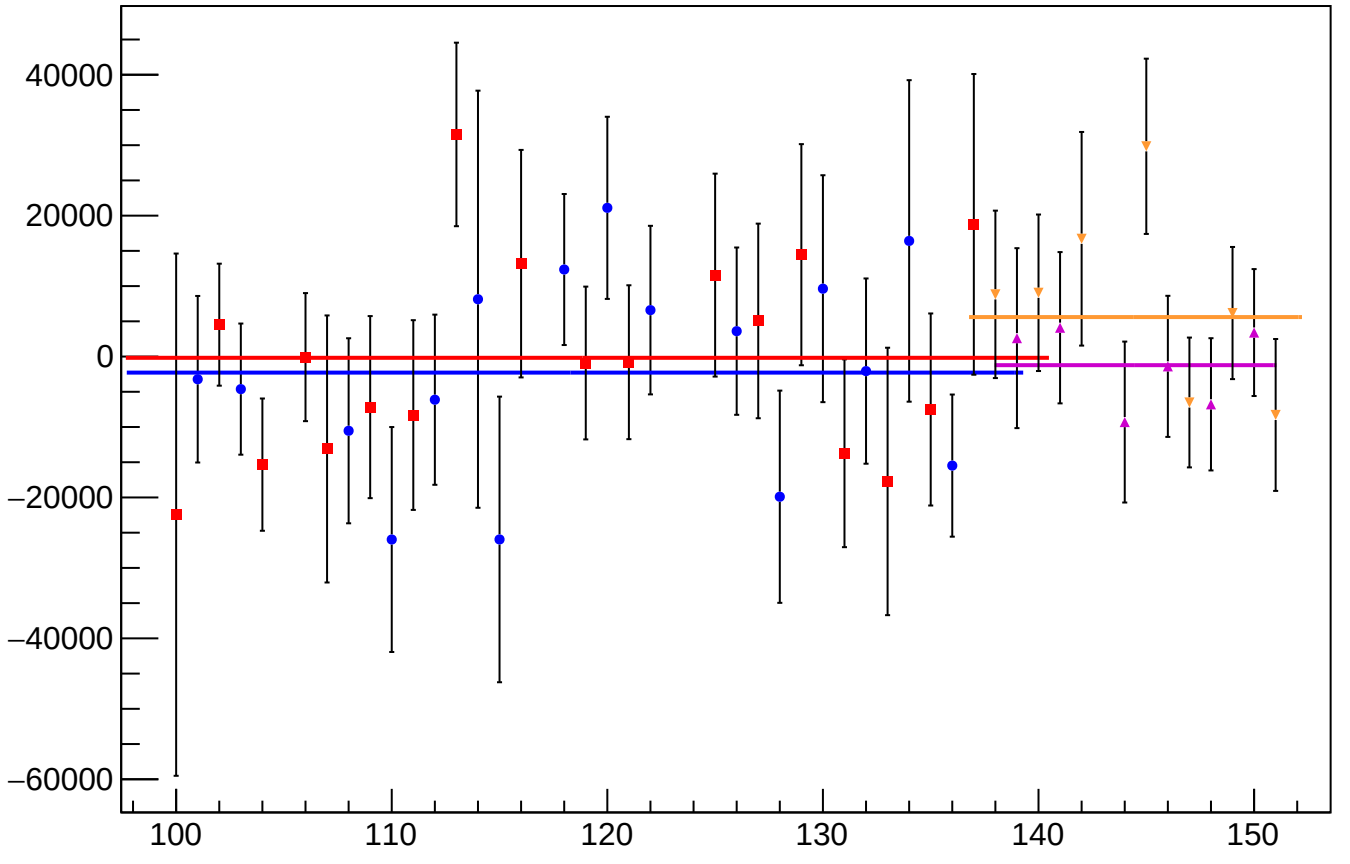
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2412.835+/-0.745 χ^2/NDF:35207.7/5

+ sign 2302.812+/-0.461 χ^2/NDF: 270389.0/22

All: 2299.296+/-0.327 χ^2/NDF: 516091.9/46

- sign 2295.741+/-0.464 χ^2/NDF: 245586.1/23



Right In: -2278.418+/-3271.742 χ^2/NDF: 14.5/15

Left Out: 5603.017+/-4161.105 χ^2/NDF:7.9/6

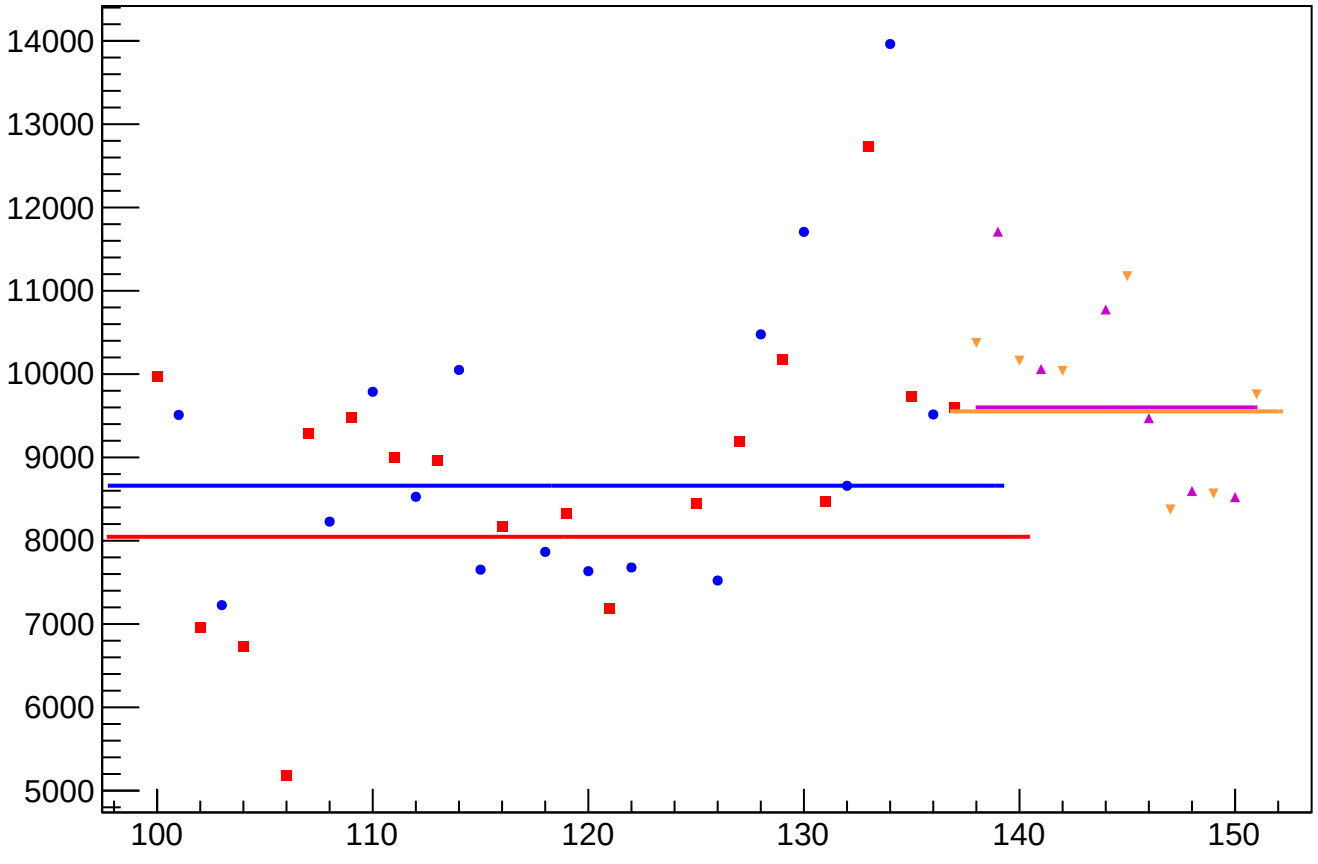
Right Out: -177.029+/-3035.348 χ^2/NDF: 15.6/17

Left In: -1222.839+/-4221.272 χ^2/NDF:1.4/5

+ sign 732.573+/-2571.939 χ^2/NDF: 24.6/22

All: 72.529+/-1779.393 χ^2/NDF: 41.9/46

- sign -533.467+/-2464.387 χ^2/NDF: 17.1/23



Right In: 8660.711+/-2.313 χ^2/NDF: 357964.1/15

Left Out: 9552.554+/-2.942 χ^2/NDF:107151.3/6

Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

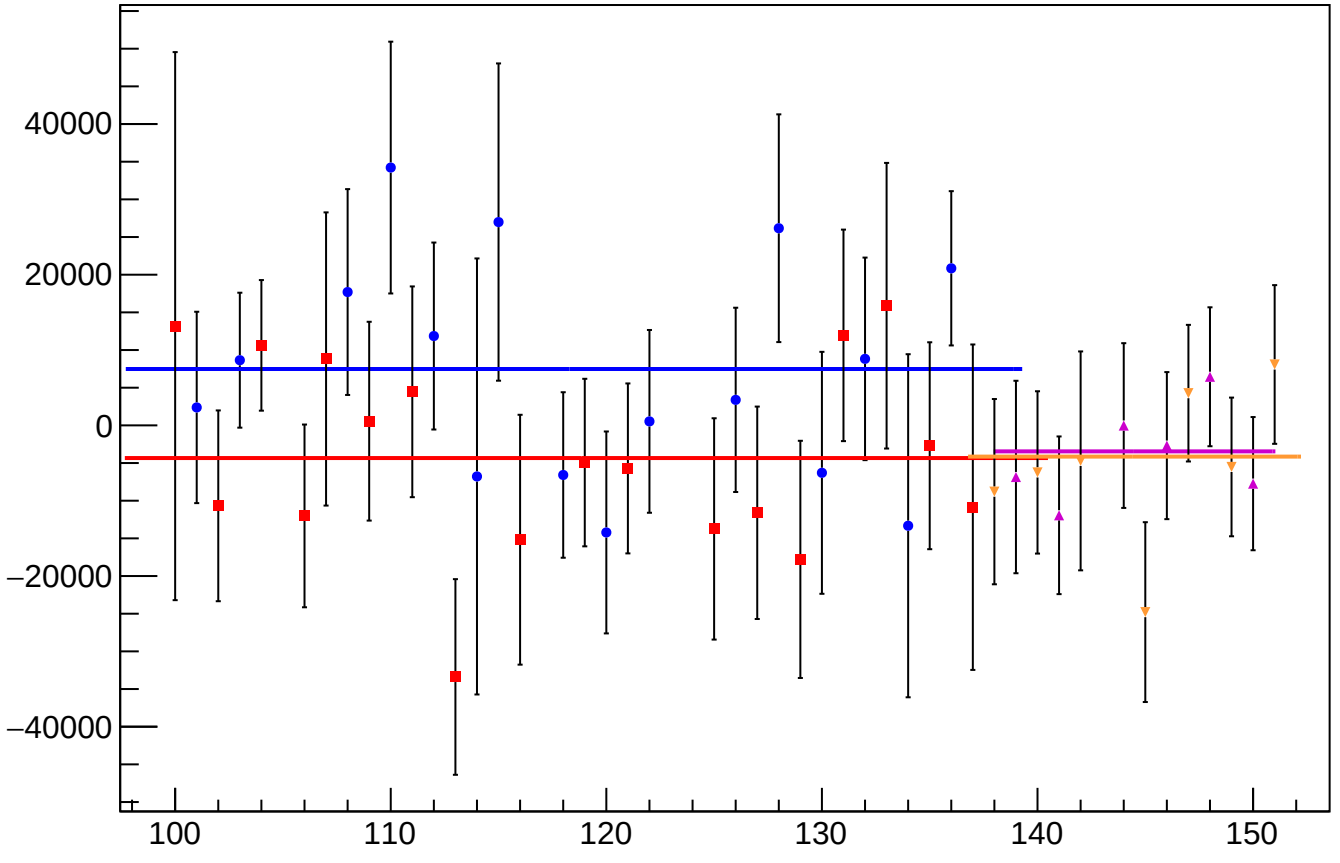
Left In: 9600.431+/-2.985 χ^2/NDF:131266.0/5

\+ sign 9001.427+/-1.819 χ^2/NDF: 521889.9/22

All: 8780.018+/-1.258 χ^2/NDF: 1418579.0/46

\- sign 8576.739+/-1.743 χ^2/NDF: 868259.3/23

asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: -4146.519+/-4083.752 χ^2/NDF:5.4/6

Right Out: -4338.165+/-3242.620 χ^2/NDF: 14.3/17

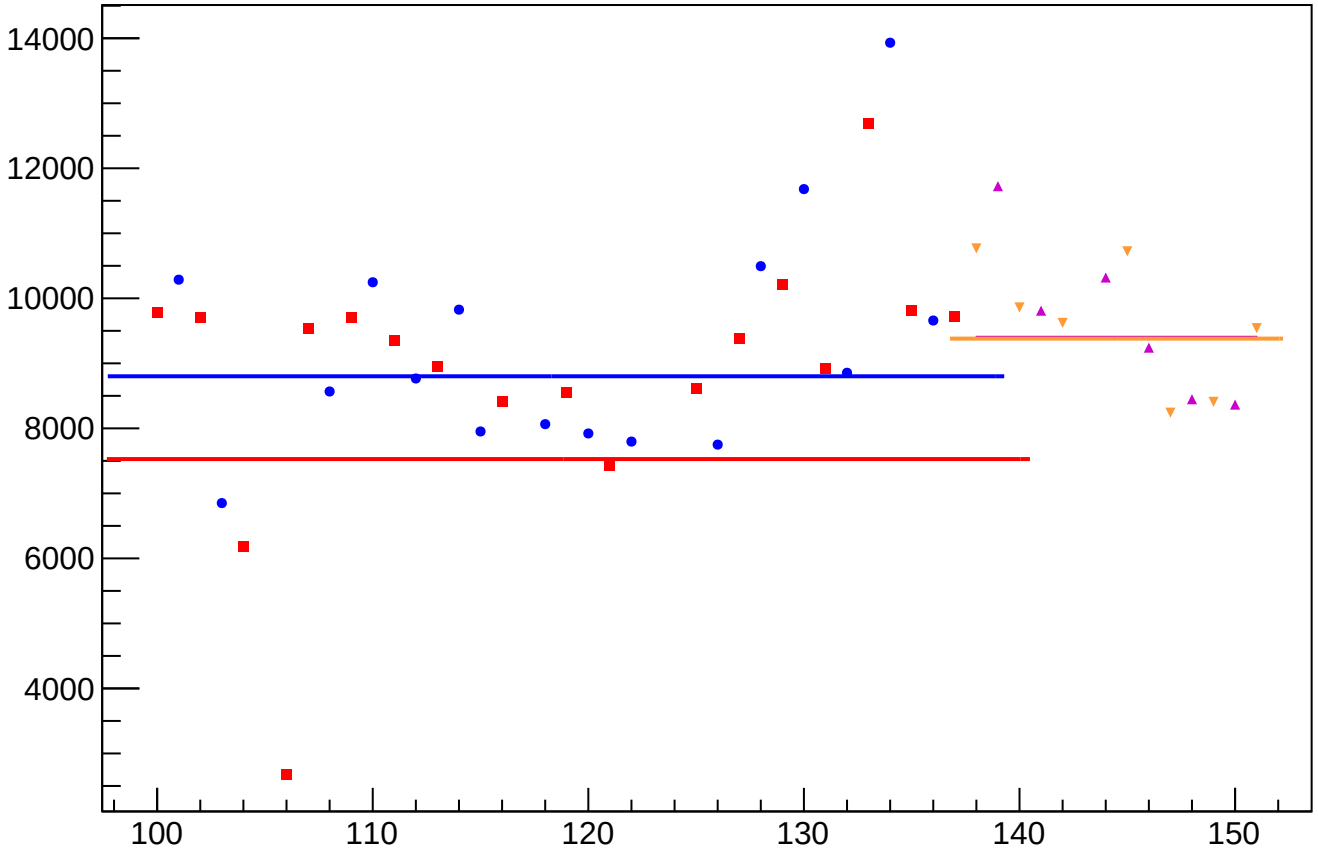
Left In: -3451.381+/-4128.431 χ^2/NDF:2.2/5

+ sign 2836.239+/-2581.185 χ^2/NDF: 24.3/22

All: -623.236+/-1814.075 χ^2/NDF: 44.4/46

- sign -3999.825+/-2550.076 χ^2/NDF: 16.5/23

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

Left Out: 9380.370+/-2.888 χ^2/NDF:109641.2/6

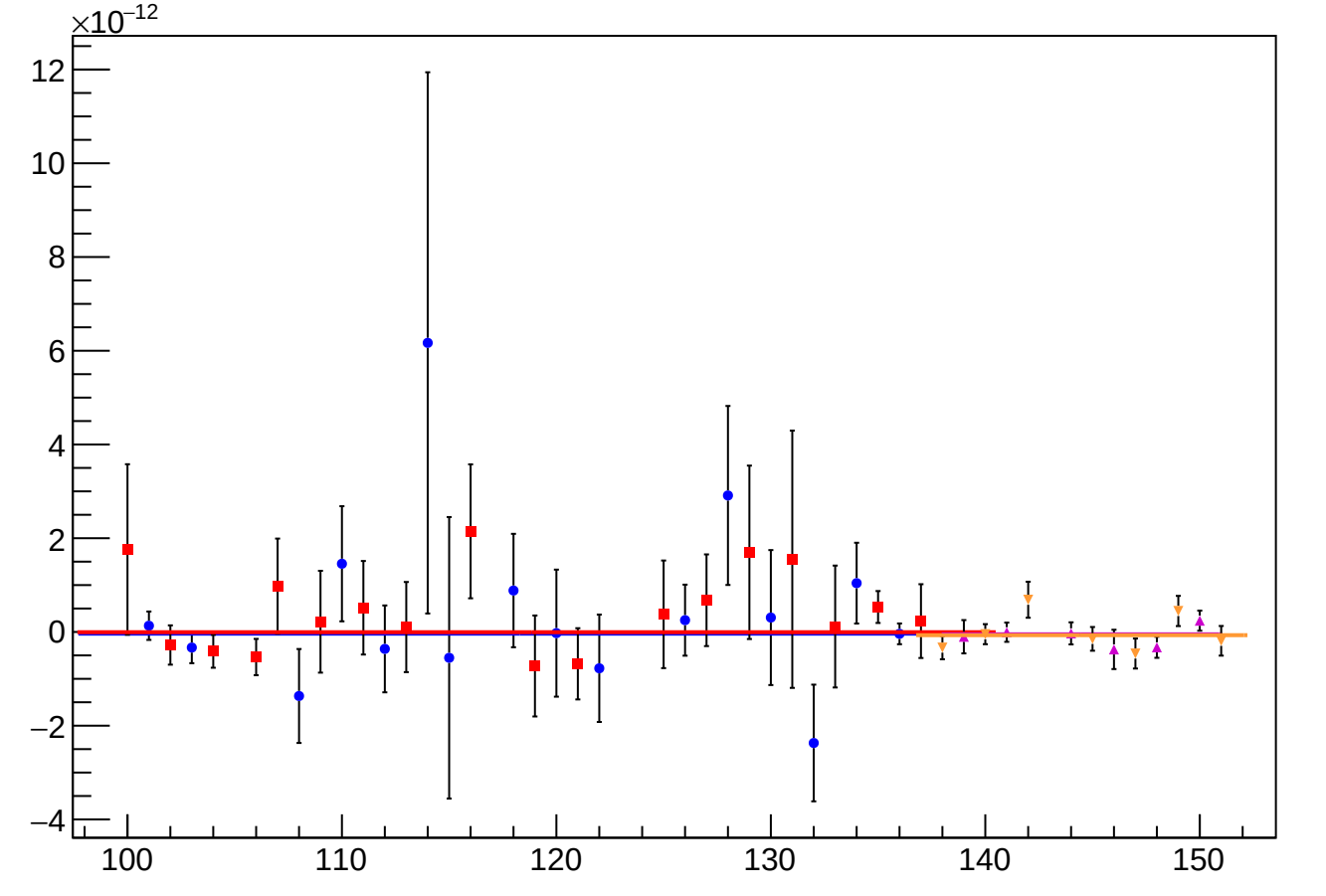
Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 9393.298+/-2.919 χ^2/NDF:132692.1/5

+ sign 9032.501+/-1.825 χ^2/NDF: 528383.5/22

All: 8578.413+/-1.252 χ^2/NDF: 2701867.5/46

- sign 8175.246+/-1.720 χ^2/NDF: 2056628.7/23



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.3/6

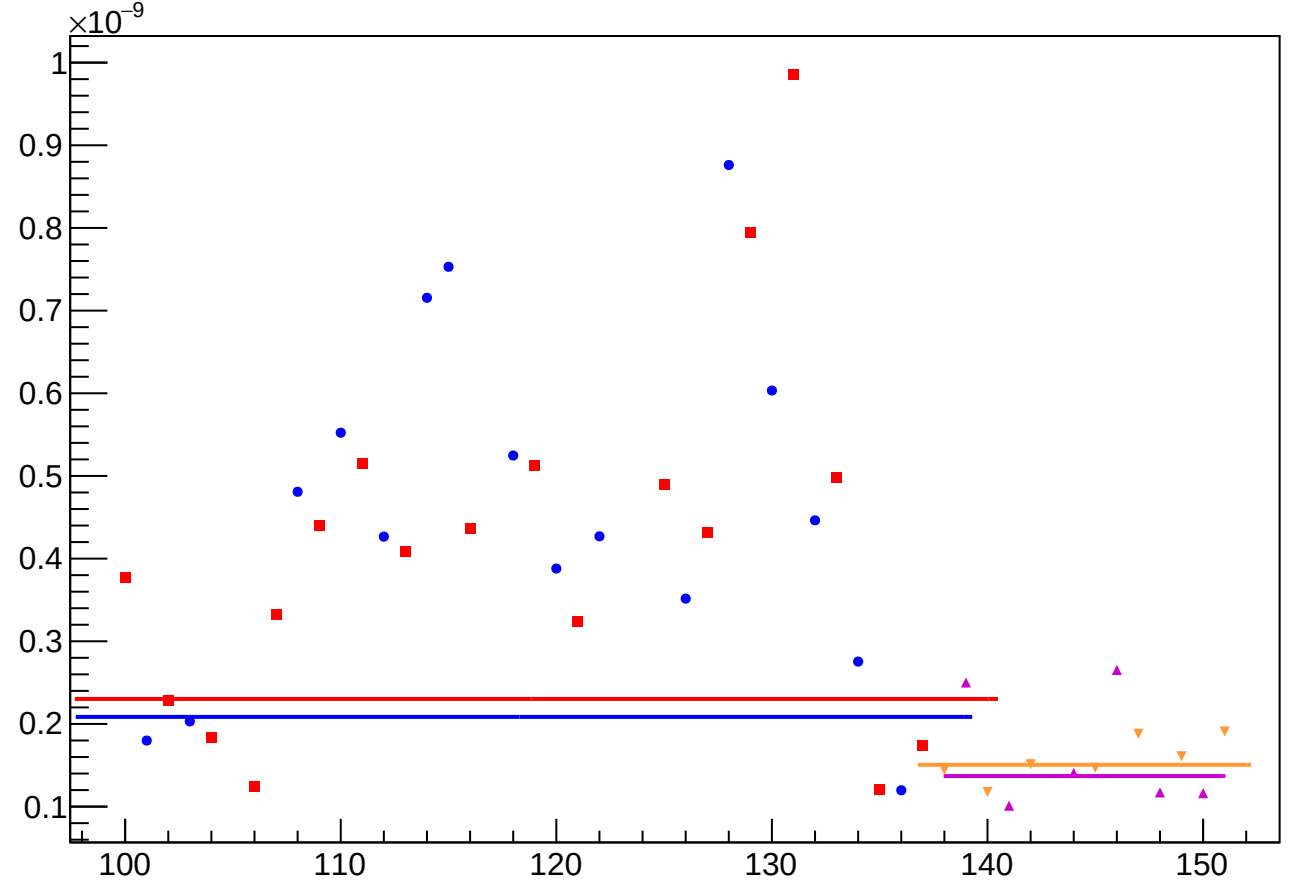
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.000 χ^2/NDF:4.0/5

+ sign -0.000+/-0.000 χ^2/NDF: 23.7/22

All: -0.000+/-0.000 χ^2/NDF: 41.5/46

- sign -0.000+/-0.000 χ^2/NDF: 17.8/23



Right In: 0.000+/-0.000 χ^2/NDF: 1632322.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:110576.7/6

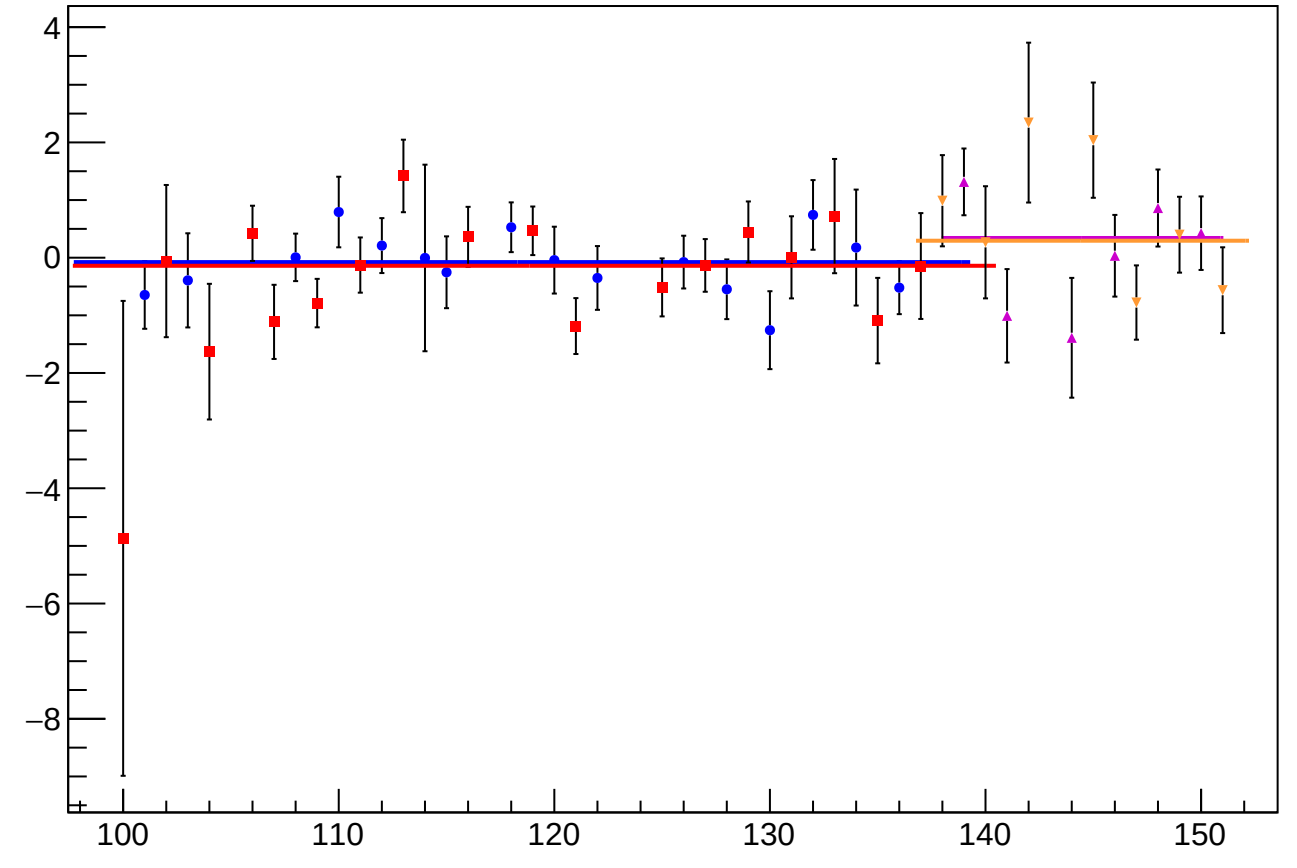
Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:486190.9/5

+ sign 0.000+/-0.000 χ^2/NDF: 1957927.7/22

All: 0.000+/-0.000 χ^2/NDF: 4512313.4/46

- sign 0.000+/-0.000 χ^2/NDF: 2548245.3/23



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 0.294+/-0.306 χ^2/NDF:10.1/6

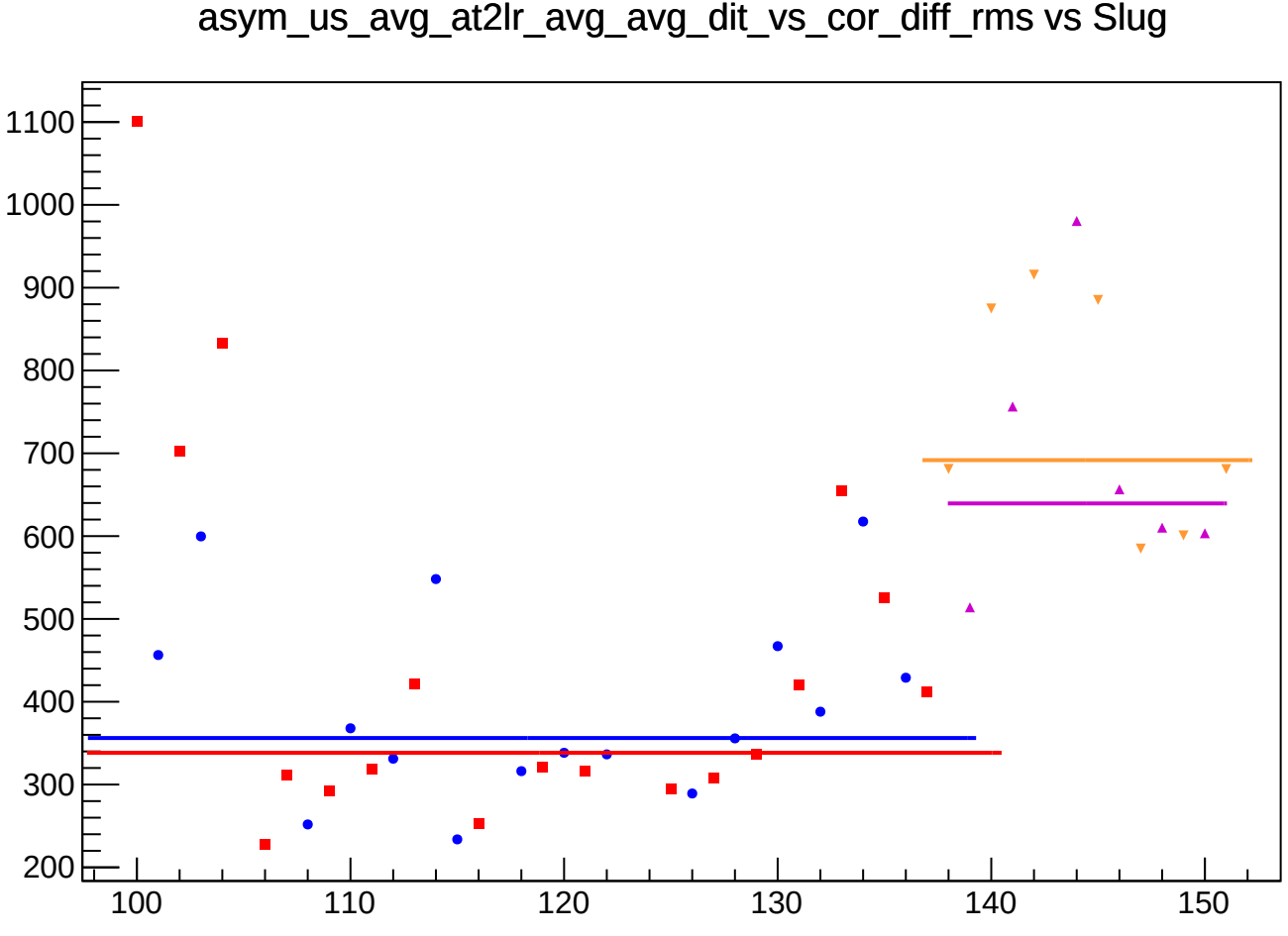
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.342+/-0.287 χ^2/NDF:9.2/5

\+ sign -0.012+/-0.127 χ^2/NDF: 23.9/22

All: -0.031+/-0.089 χ^2/NDF: 62.4/46

\- sign -0.050+/-0.124 χ^2/NDF: 38.5/23



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 691.745+/-0.216 χ^2/NDF:291787.2/6

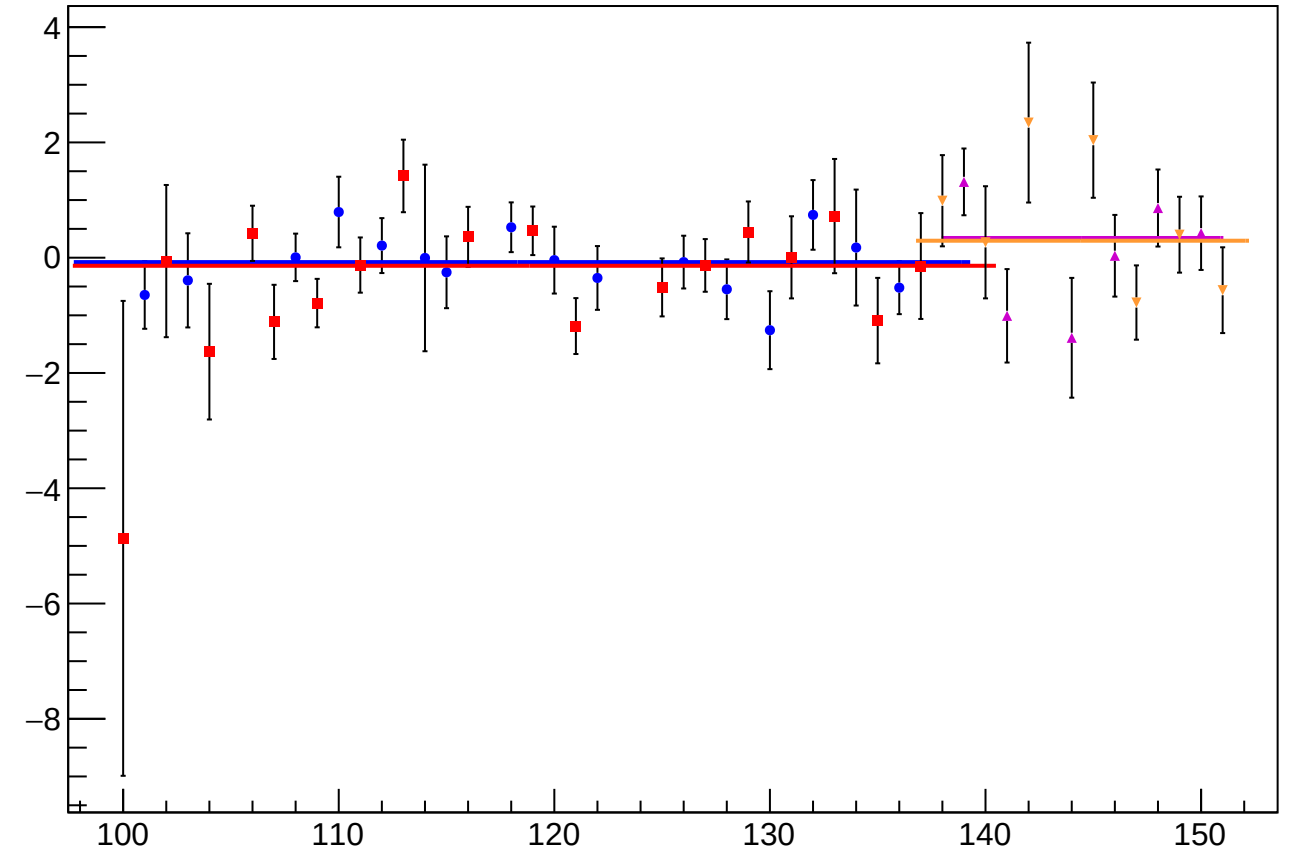
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 639.460+/-0.203 χ^2/NDF:362390.7/5

+ sign 414.278+/-0.090 χ^2/NDF: 3068674.8/22

All: 404.340+/-0.063 χ^2/NDF: 6443110.5/46

- sign 394.842+/-0.088 χ^2/NDF: 3350566.1/23



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 0.294+/-0.306 χ^2/NDF:10.1/6

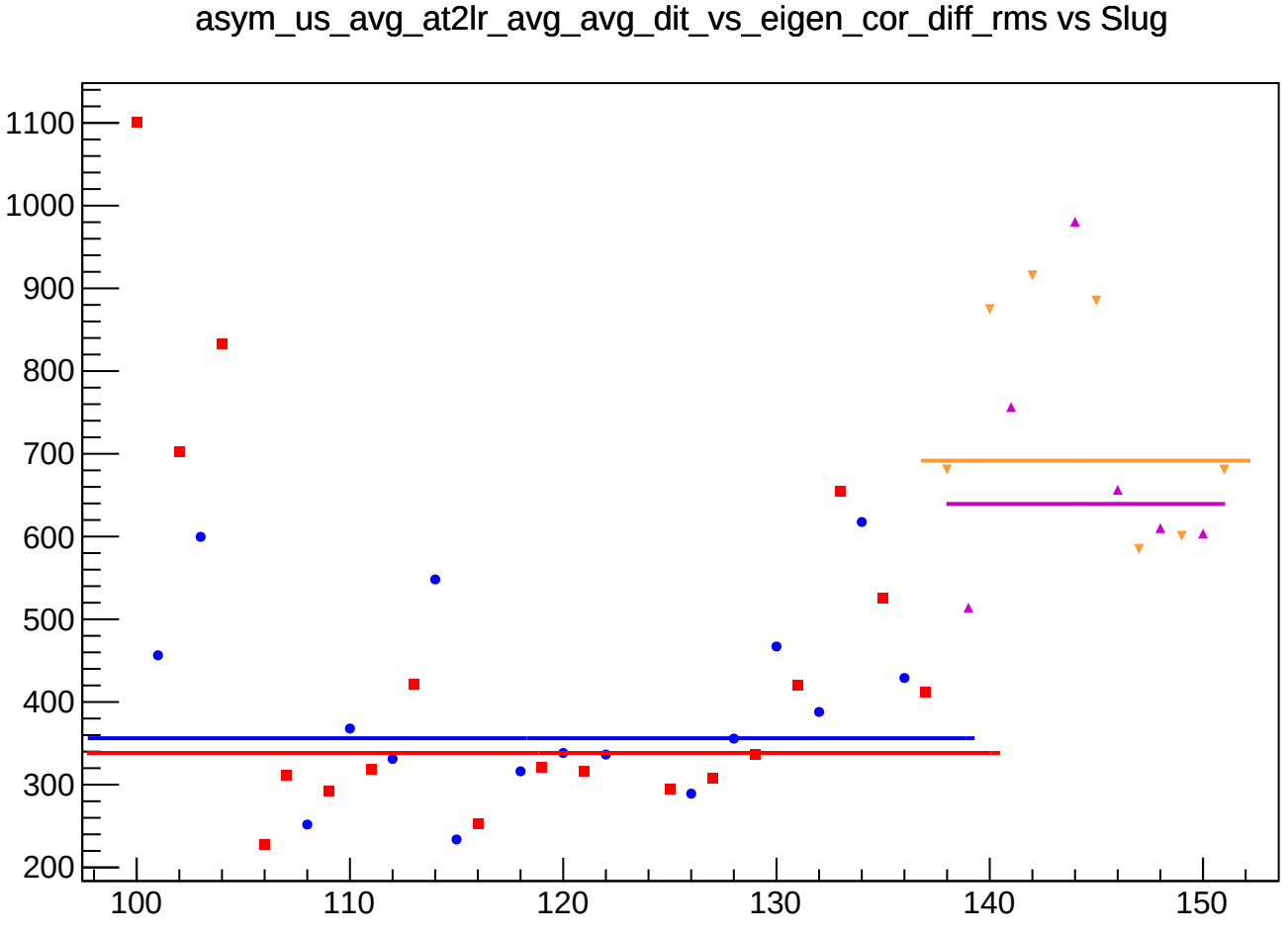
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.342+/-0.287 χ^2/NDF:9.2/5

+ sign -0.012+/-0.127 χ^2/NDF: 23.9/22

All: -0.031+/-0.089 χ^2/NDF: 62.4/46

- sign -0.050+/-0.124 χ^2/NDF: 38.5/23



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 691.745+/-0.216 χ^2/NDF:291787.2/6

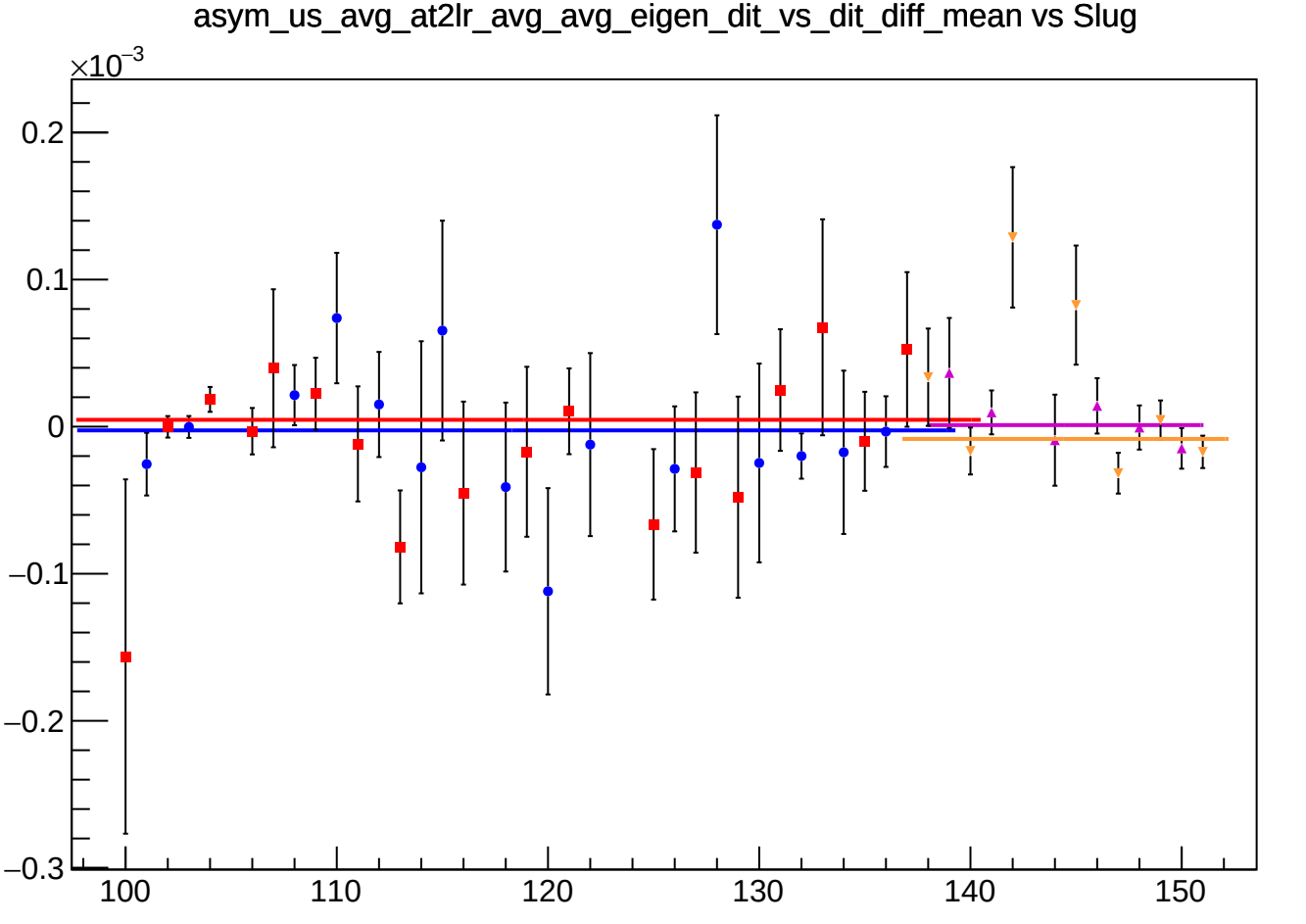
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 639.460+/-0.203 χ^2/NDF:362390.7/5

+ sign 414.278+/-0.090 χ^2/NDF: 3068674.8/22

All: 404.340+/-0.063 χ^2/NDF: 6443110.5/46

- sign 394.842+/-0.088 χ^2/NDF: 3350566.1/23



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

Left Out: -0.000+/-0.000 χ^2/NDF:19.6/6

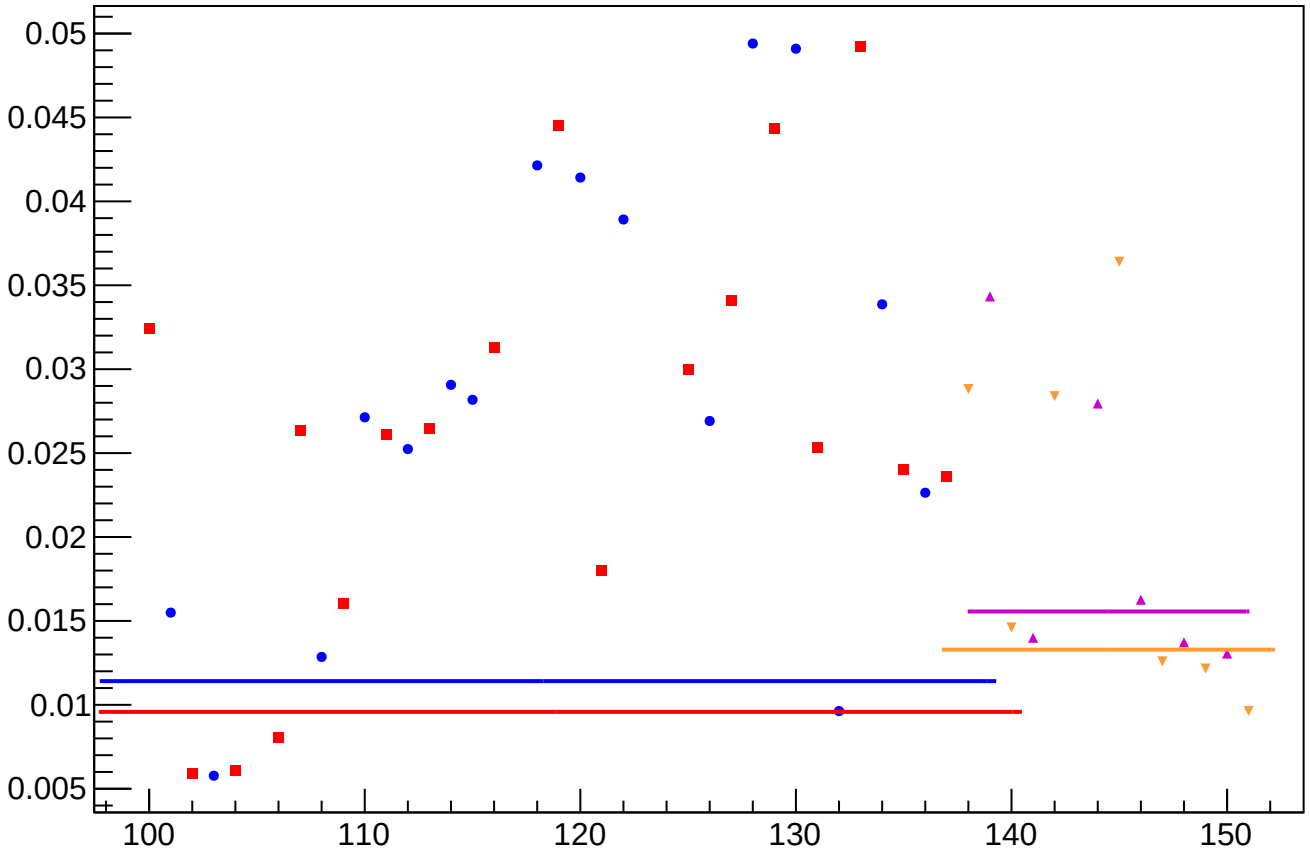
Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/17

Left In: 0.000+/-0.000 χ^2/NDF:3.2/5

+ sign -0.000+/-0.000 χ^2/NDF: 35.1/22

All: -0.000+/-0.000 χ^2/NDF: 57.8/46

- sign 0.000+/-0.000 χ^2/NDF: 20.4/23



Right In: 0.011+/-0.000 χ^2/NDF: 5500651.2/15

Left Out: 0.013+/-0.000 χ^2/NDF:1544961.2/6

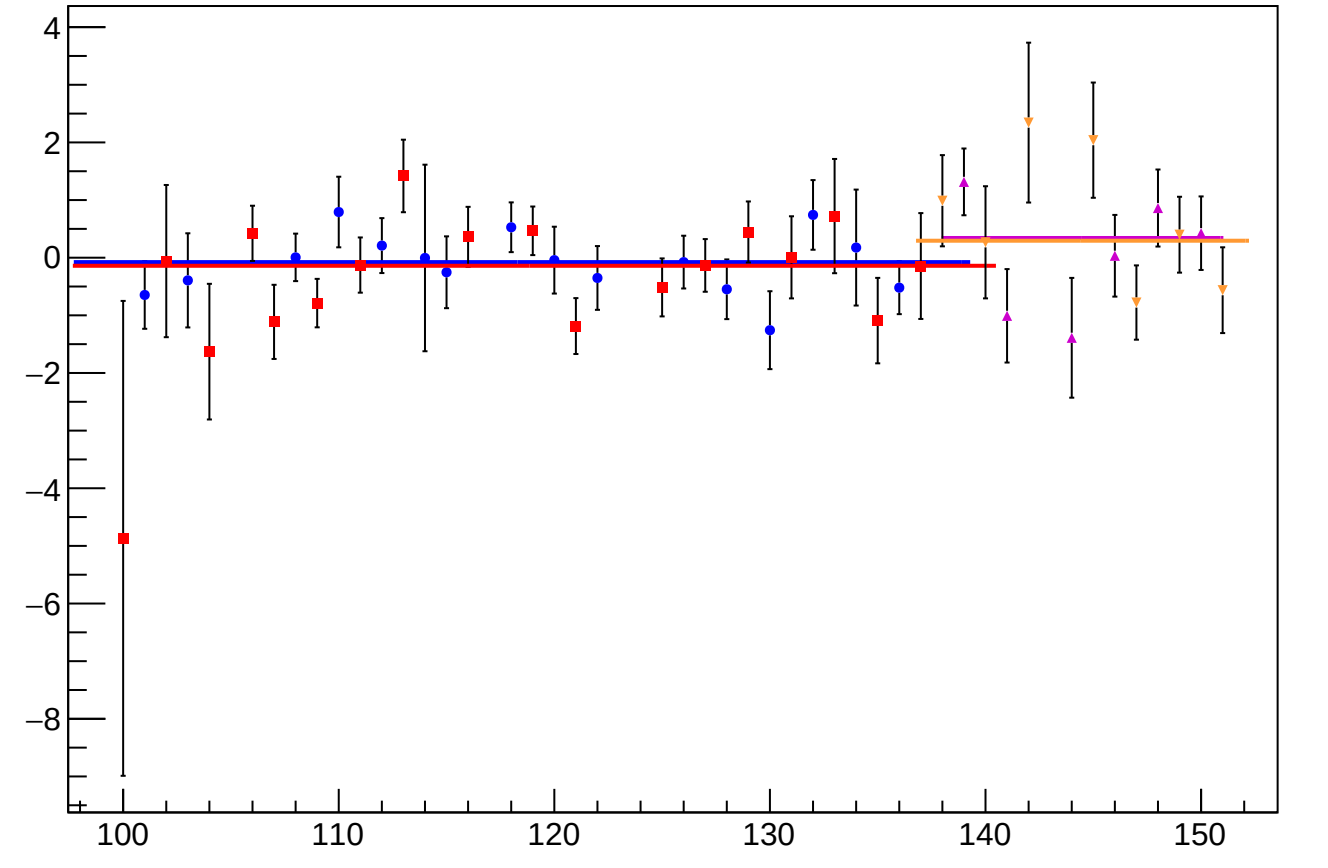
Right Out: 0.010+/-0.000 χ^2/NDF: 5787700.4/17

Left In: 0.016+/-0.000 χ^2/NDF:946112.4/5

+ sign 0.012+/-0.000 χ^2/NDF: 7144708.9/22

All: 0.012+/-0.000 χ^2/NDF: 14872247.0/46

- sign 0.011+/-0.000 χ^2/NDF: 7680542.7/23



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 0.294+/-0.306 χ^2/NDF:10.1/6

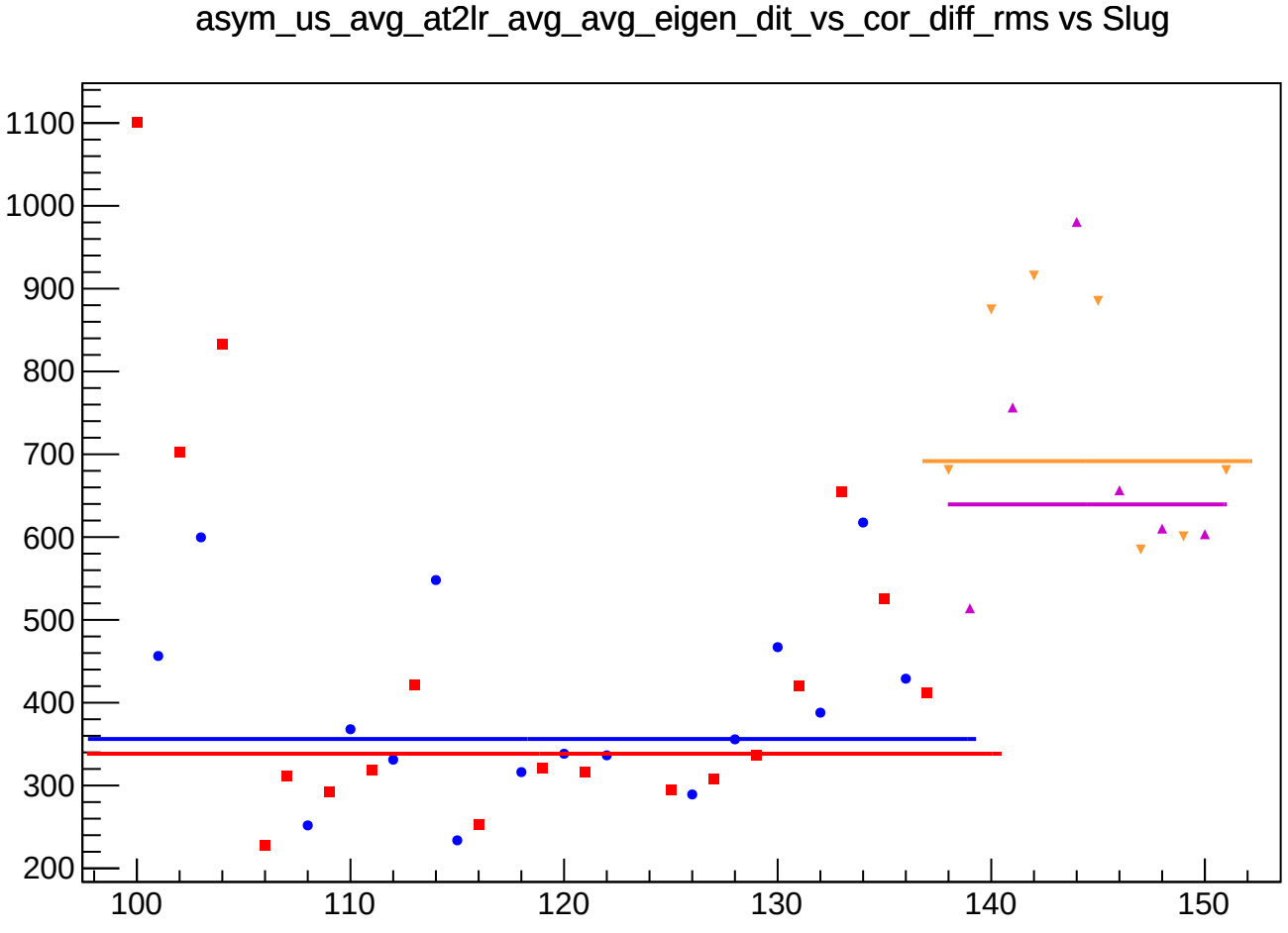
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.342+/-0.287 χ^2/NDF:9.2/5

+ sign -0.012+/-0.127 χ^2/NDF: 23.9/22

All: -0.031+/-0.089 χ^2/NDF: 62.4/46

- sign -0.050+/-0.124 χ^2/NDF: 38.5/23



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 691.752+/-0.216 χ^2/NDF:291792.1/6

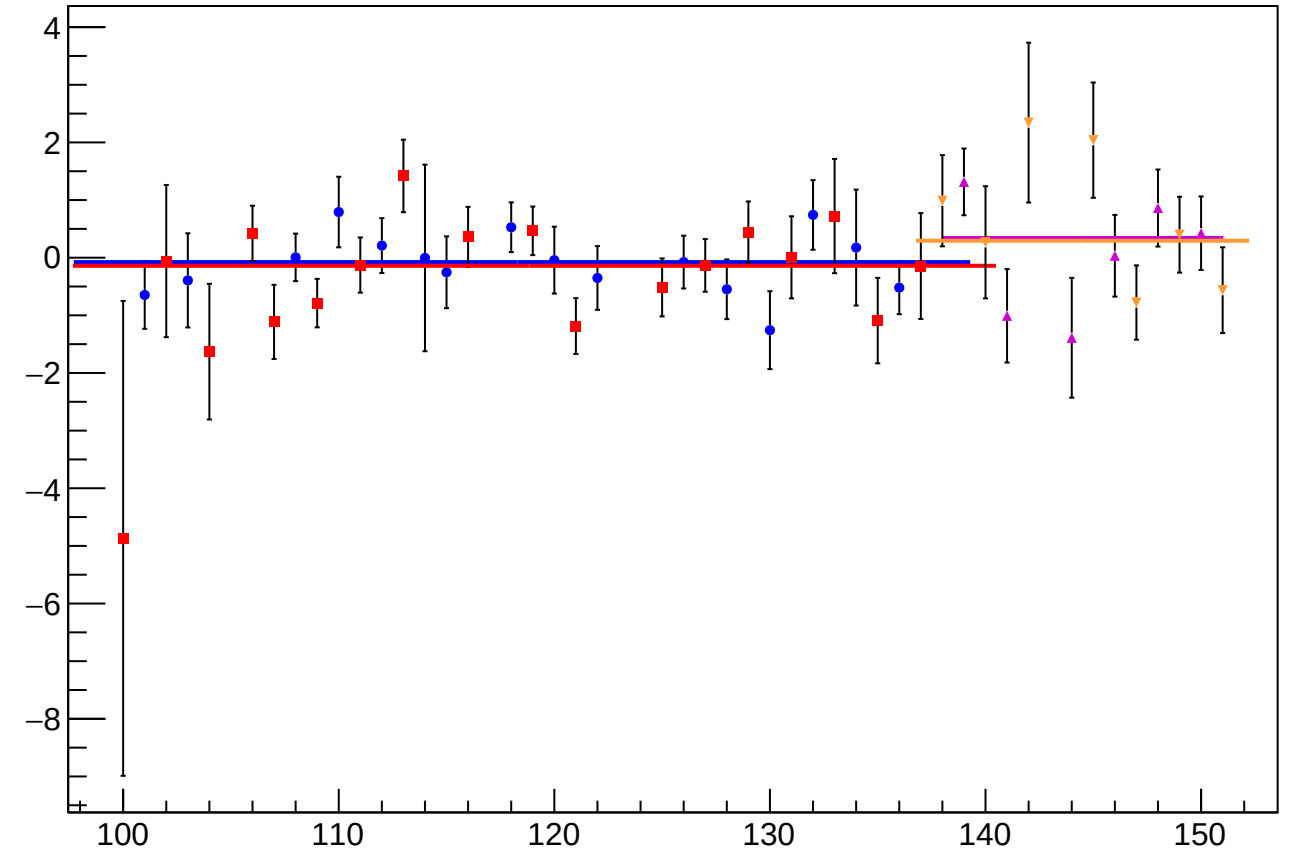
Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 639.470+/-0.203 χ^2/NDF:362379.2/5

+ sign 414.276+/-0.090 χ^2/NDF: 3068716.9/22

All: 404.338+/-0.063 χ^2/NDF: 6443221.0/46

- sign 394.840+/-0.088 χ^2/NDF: 3350633.3/23



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 0.294+/-0.306 χ^2/NDF:10.1/6

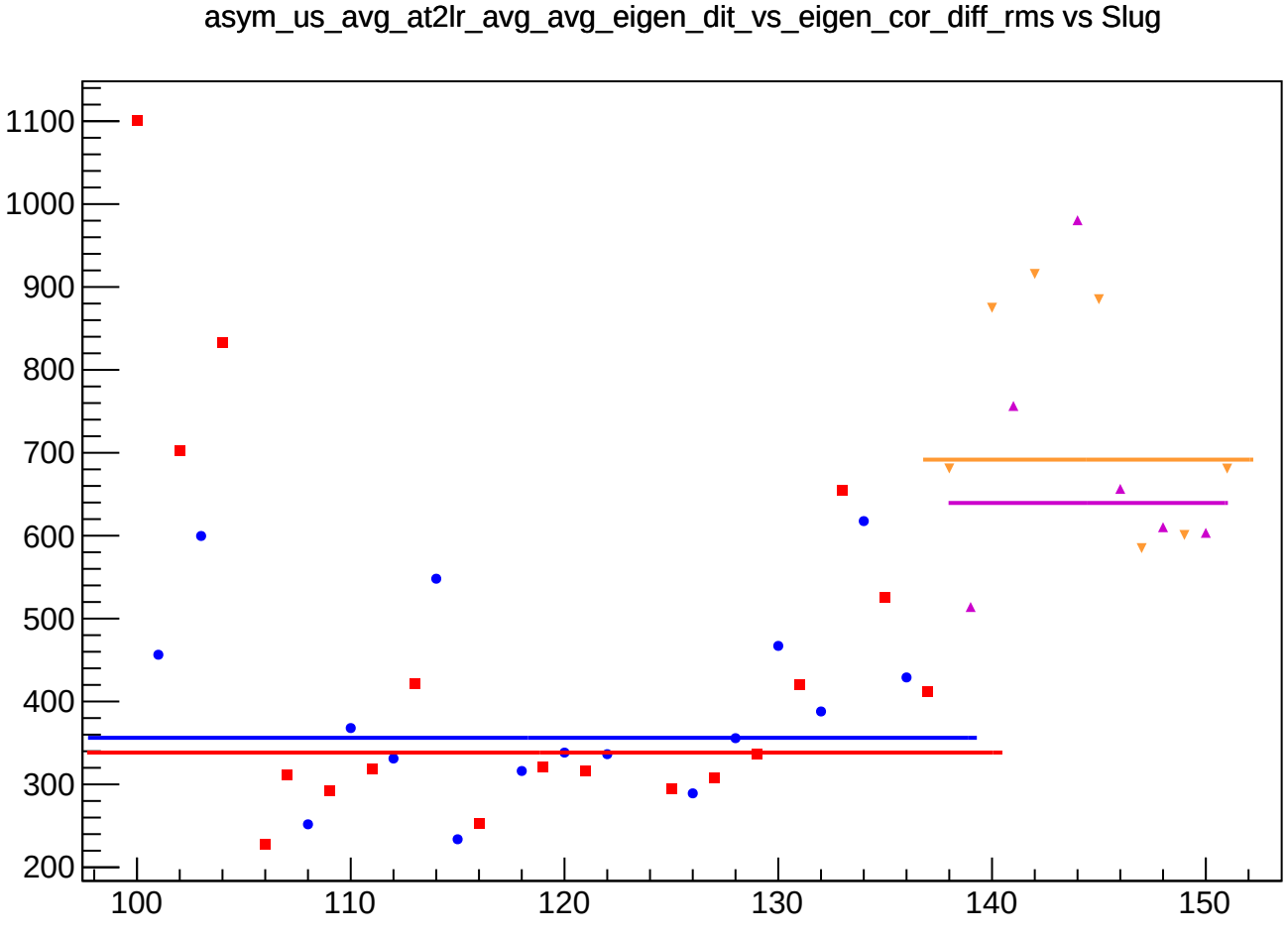
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.342+/-0.287 χ^2/NDF:9.2/5

+ sign -0.012+/-0.127 χ^2/NDF: 23.9/22

All: -0.031+/-0.089 χ^2/NDF: 62.4/46

- sign -0.050+/-0.124 χ^2/NDF: 38.5/23



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 691.752+/-0.216 χ^2/NDF:291792.1/6

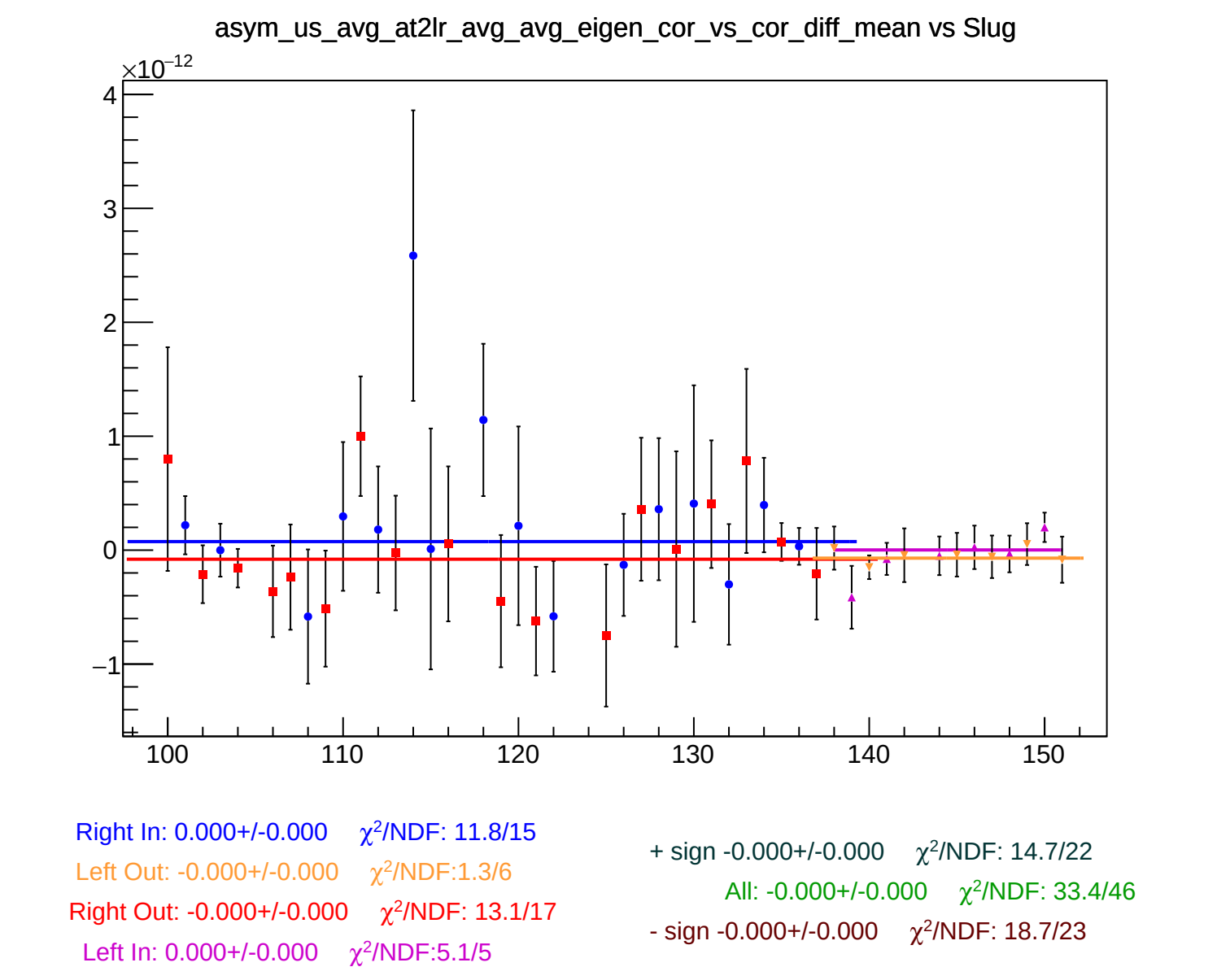
Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

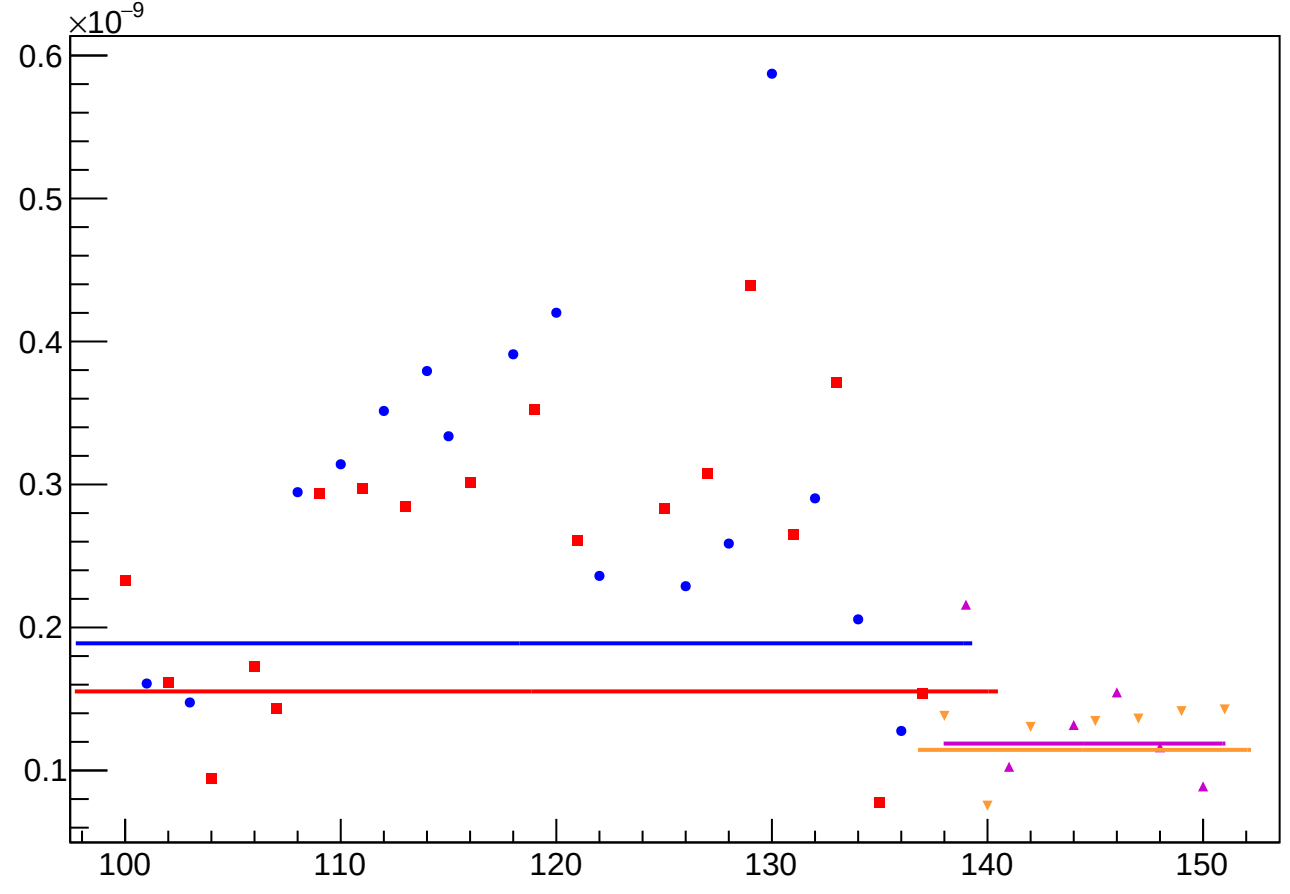
Left In: 639.470+/-0.203 χ^2/NDF:362379.2/5

+ sign 414.276+/-0.090 χ^2/NDF: 3068716.9/22

All: 404.338+/-0.063 χ^2/NDF: 6443221.0/46

- sign 394.840+/-0.088 χ^2/NDF: 3350633.3/23


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
Right In: 0.000+/-0.000 χ²/NDF: 11.8/15
Left Out: -0.000+/-0.000 χ²/NDF:1.3/6
Right Out: -0.000+/-0.000 χ²/NDF: 13.1/17
Left In: 0.000+/-0.000 χ²/NDF:5.1/5
+ sign -0.000+/-0.000 χ²/NDF: 14.7/22
All: -0.000+/-0.000 χ²/NDF: 33.4/46
- sign -0.000+/-0.000 χ²/NDF: 18.7/23



Right In: 0.000+/-0.000 χ^2/NDF: 1520620.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:455130.5/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

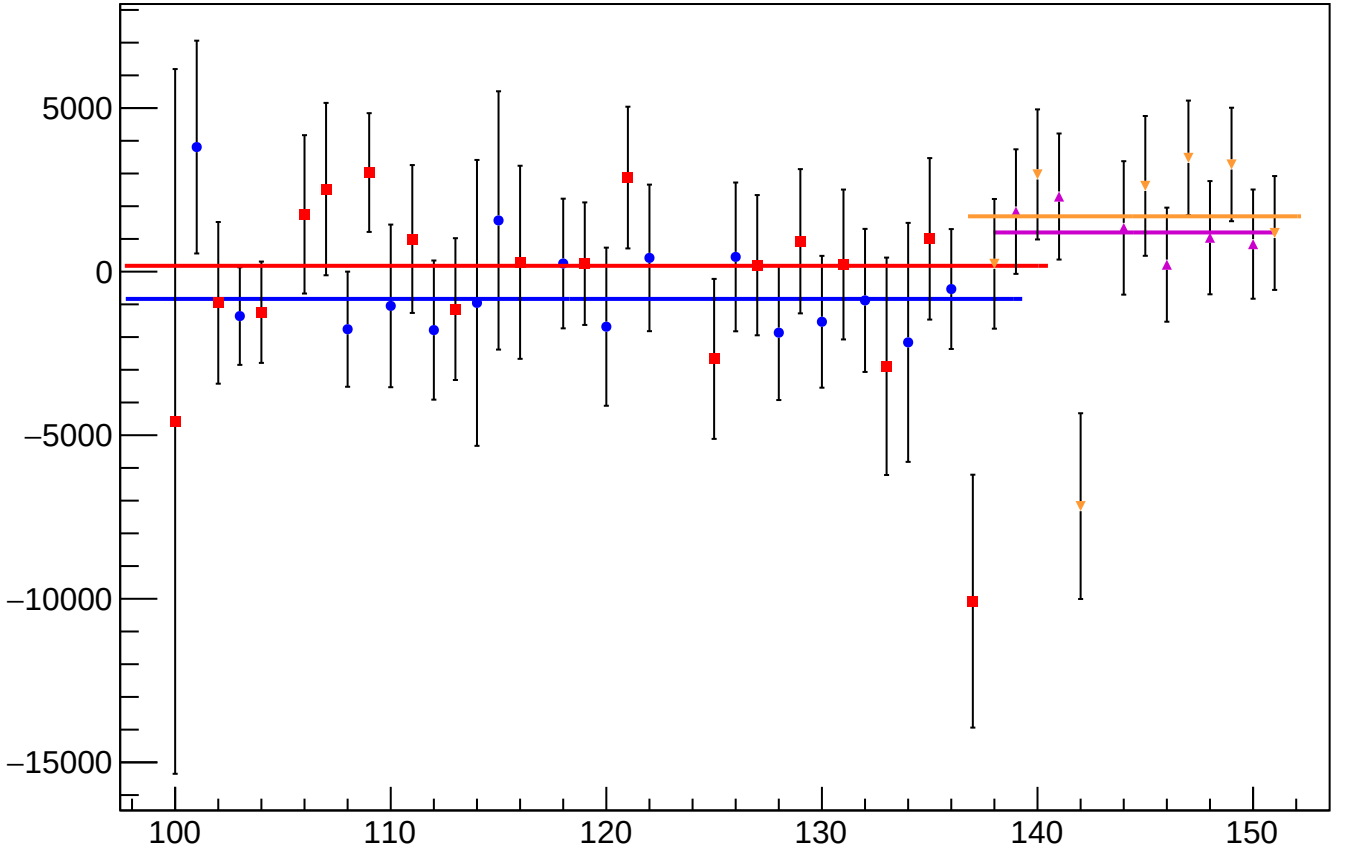
Left In: 0.000+/-0.000 χ^2/NDF:465050.5/5

+ sign 0.000+/-0.000 χ^2/NDF: 2809442.3/22

All: 0.000+/-0.000 χ^2/NDF: 5708017.0/46

- sign 0.000+/-0.000 χ^2/NDF: 2891915.9/23

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.479+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1691.325+/-737.398 χ^2/NDF:12.8/6

Right Out: 178.292+/-547.824 χ^2/NDF: 16.5/17

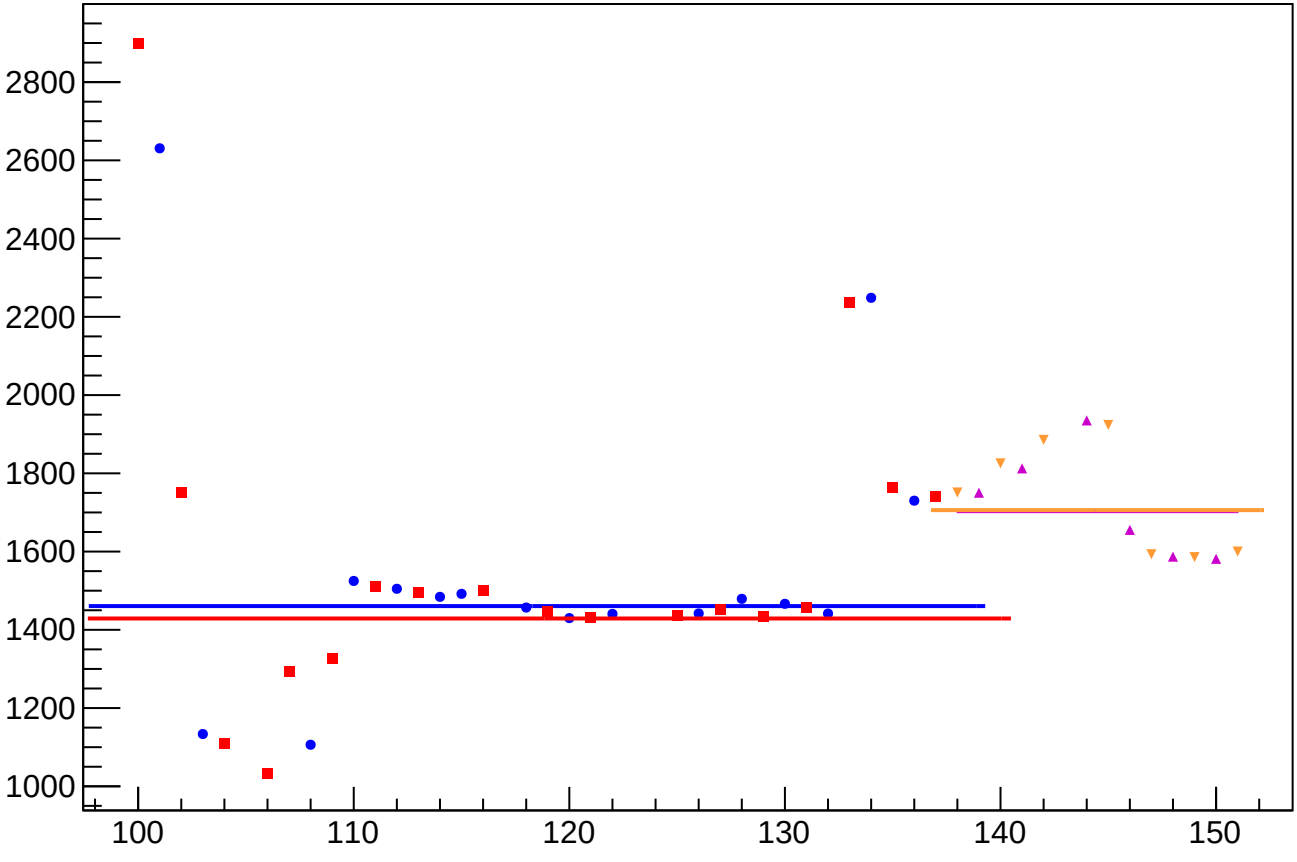
Left In: 1197.788+/-743.869 χ^2/NDF:0.8/5

+ sign 79.201+/-443.351 χ^2/NDF: 24.9/22

All: 309.155+/-312.701 χ^2/NDF: 43.9/46

- sign 536.791+/-441.111 χ^2/NDF: 18.5/23

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1705.924+/-0.521 χ^2/NDF:62333.5/6

Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

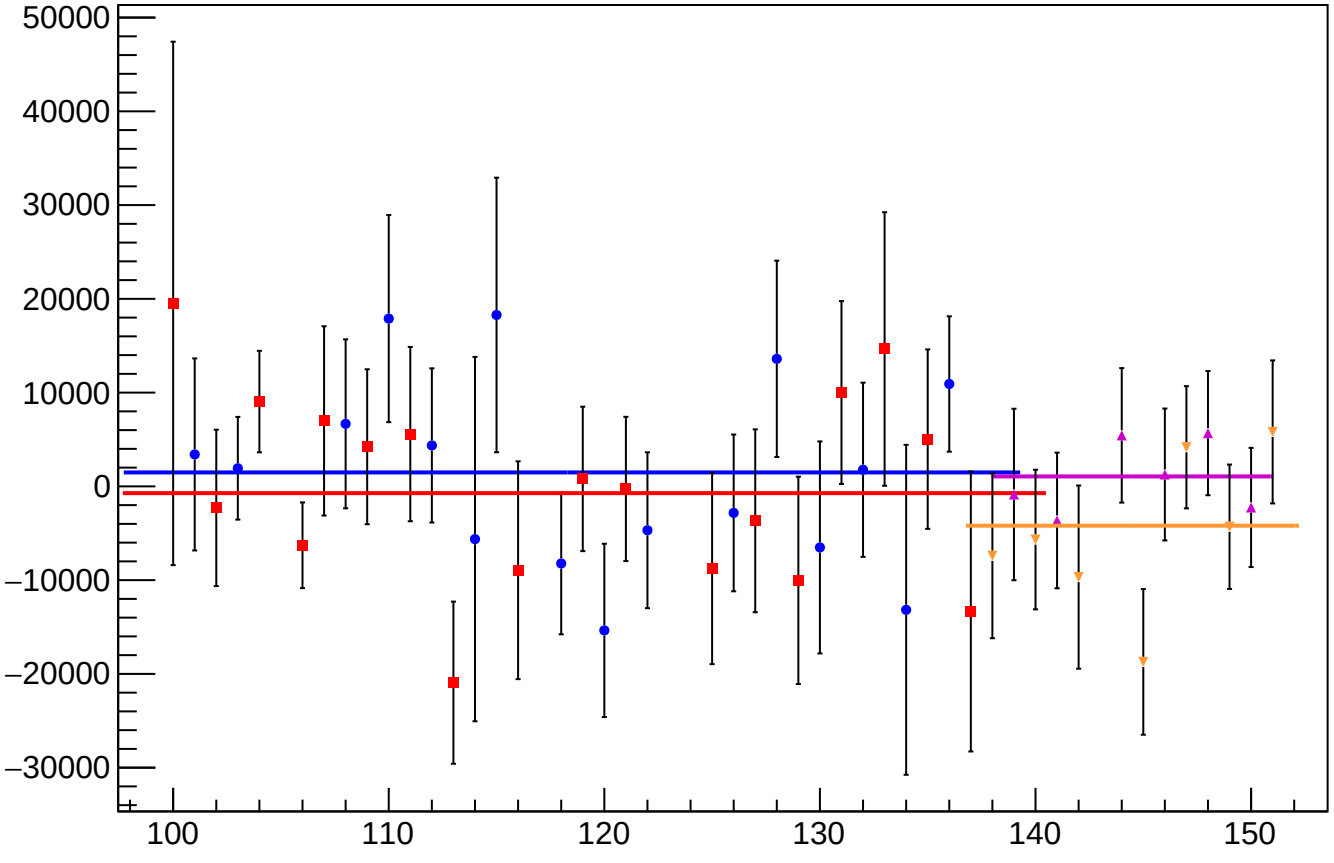
Left In: 1703.291+/-0.526 χ^2/NDF:54703.9/5

+ sign 1549.315+/-0.313 χ^2/NDF: 779351.8/22

All: 1536.779+/-0.221 χ^2/NDF: 1425800.4/46

- sign 1524.489+/-0.310 χ^2/NDF: 643281.9/23

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs Slug



Right In: 1487.438+/-2268.028 χ^2/NDF: 14.2/15

Left Out: -4193.379+/-2869.037 χ^2/NDF:7.4/6

Right Out: -720.166+/-2011.559 χ^2/NDF: 17.5/17

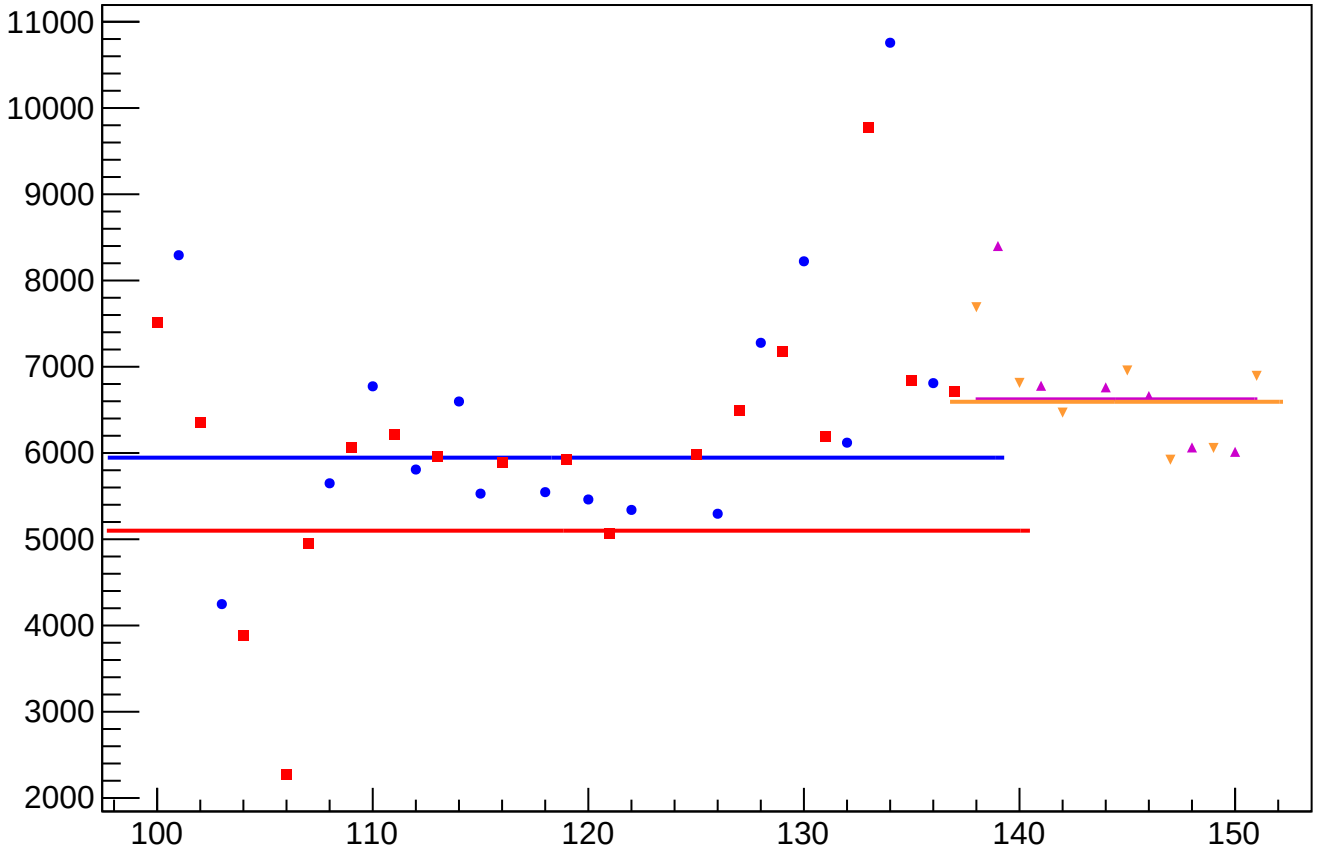
Left In: 1060.468+/-2907.660 χ^2/NDF:1.6/5

+ sign -697.320+/-1779.231 χ^2/NDF: 23.9/22

All: -400.440+/-1211.516 χ^2/NDF: 43.4/46

- sign -143.797+/-1654.270 χ^2/NDF: 19.4/23

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug



Right In: 5946.080+/-1.604 χ^2/NDF: 641131.4/15

Left Out: 6594.030+/-2.029 χ^2/NDF:74911.5/6

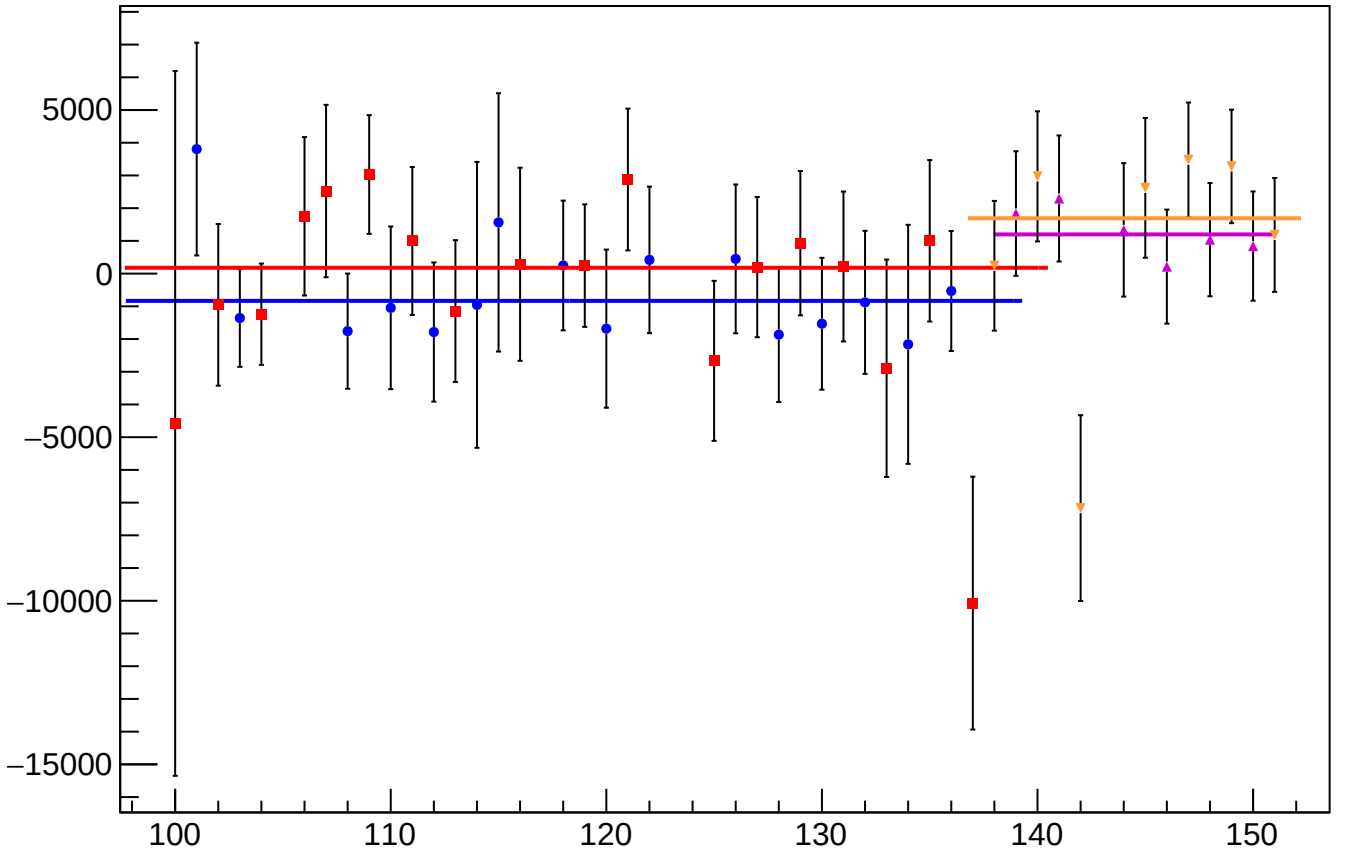
Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

Left In: 6622.019+/-2.056 χ^2/NDF:109883.2/5

+ sign 6195.272+/-1.258 χ^2/NDF: 778821.2/22

All: 5871.835+/-0.857 χ^2/NDF: 2863222.2/46

- sign 5592.235+/-1.170 χ^2/NDF: 1961176.4/23



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1691.349+/-737.398 χ^2/NDF:12.8/6

Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

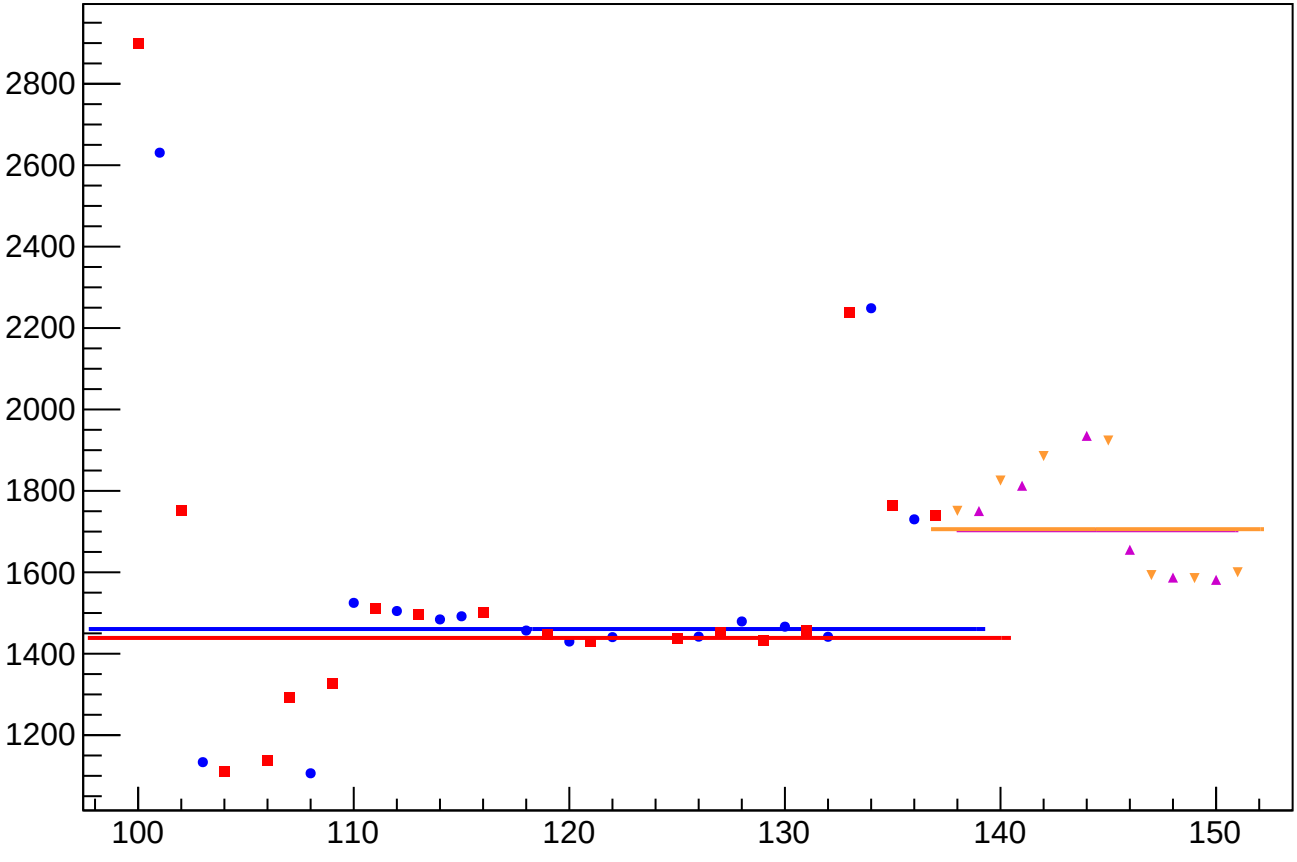
Left In: 1197.855+/-743.869 χ^2/NDF:0.8/5

\+ sign 79.170+/-443.351 χ^2/NDF: 24.9/22

All: 309.099+/-312.701 χ^2/NDF: 43.9/46

\- sign 536.711+/-441.111 χ^2/NDF: 18.5/23

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1705.924+/-0.521 χ^2/NDF:62333.5/6

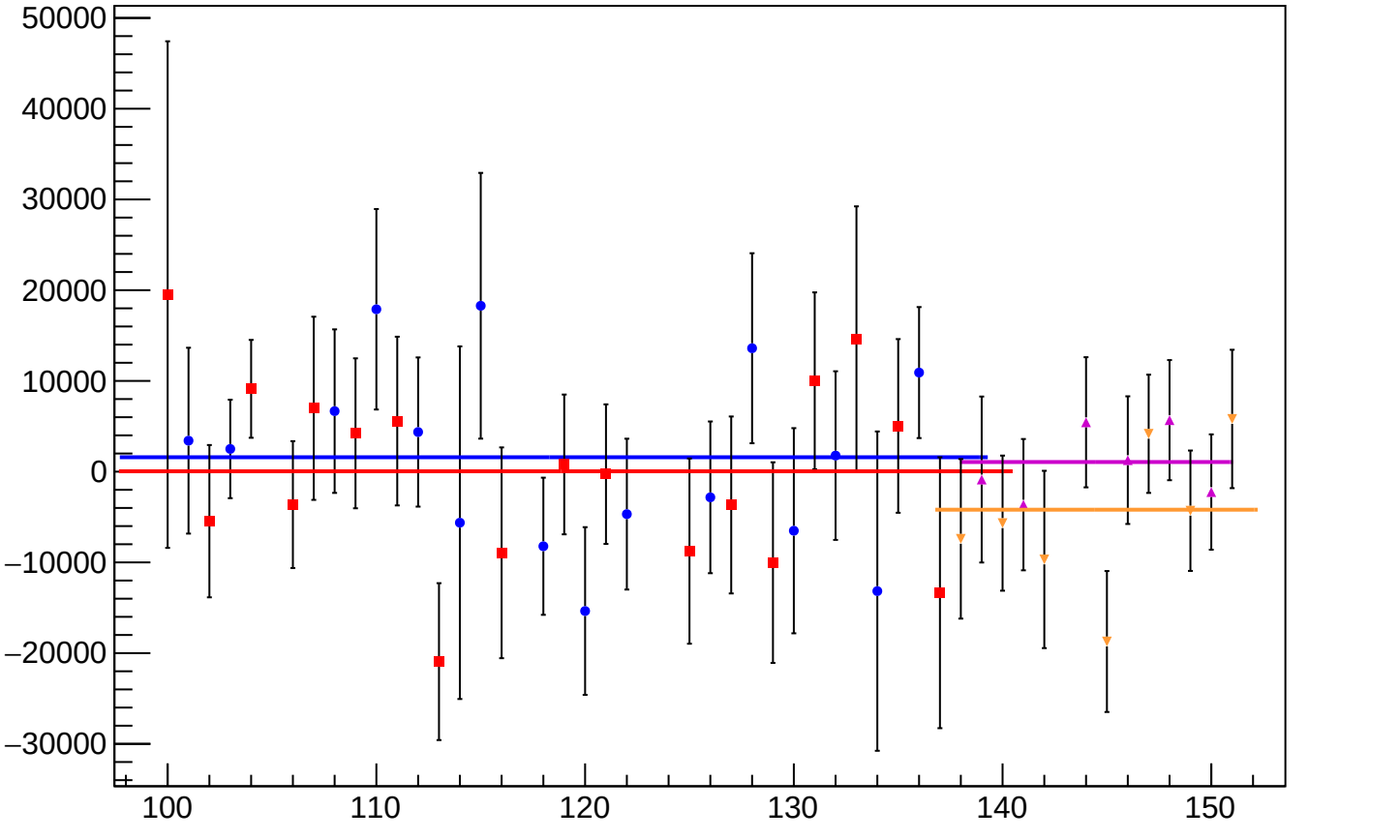
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1703.291+/-0.526 χ^2/NDF:54703.9/5

+ sign 1549.315+/-0.313 χ^2/NDF: 779352.3/22

All: 1540.353+/-0.221 χ^2/NDF: 1373299.1/46

- sign 1531.507+/-0.311 χ^2/NDF: 592322.9/23



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -4193.426+/-2869.035 χ^2/NDF:7.4/6

Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

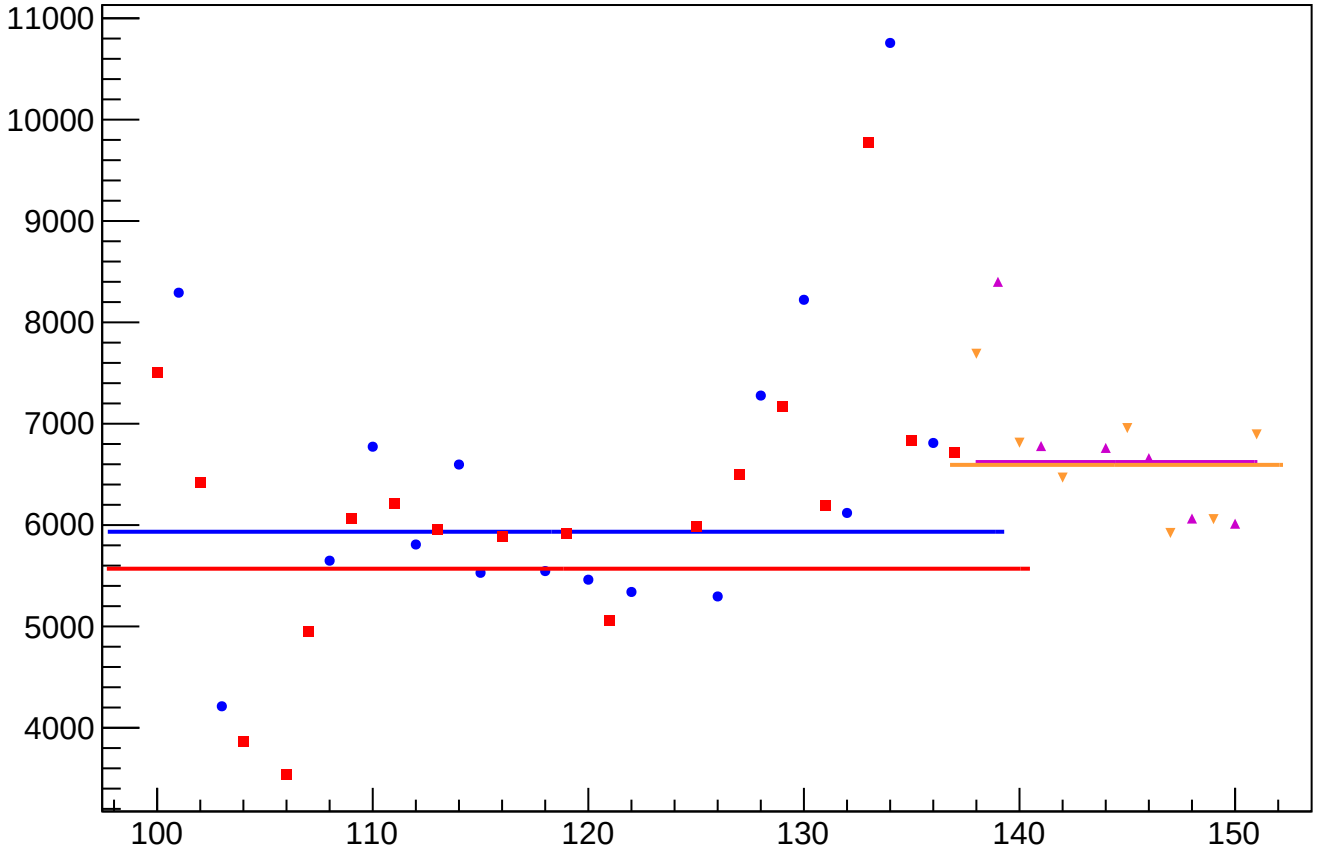
Left In: 1060.506+/-2907.657 χ^2/NDF:1.6/5

+ sign -630.501+/-1777.410 χ^2/NDF: 24.1/22

All: -99.612+/-1235.977 χ^2/NDF: 42.4/46

- sign 397.465+/-1719.880 χ^2/NDF: 18.1/23

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 6594.025+/-2.029 χ^2/NDF:74911.2/6

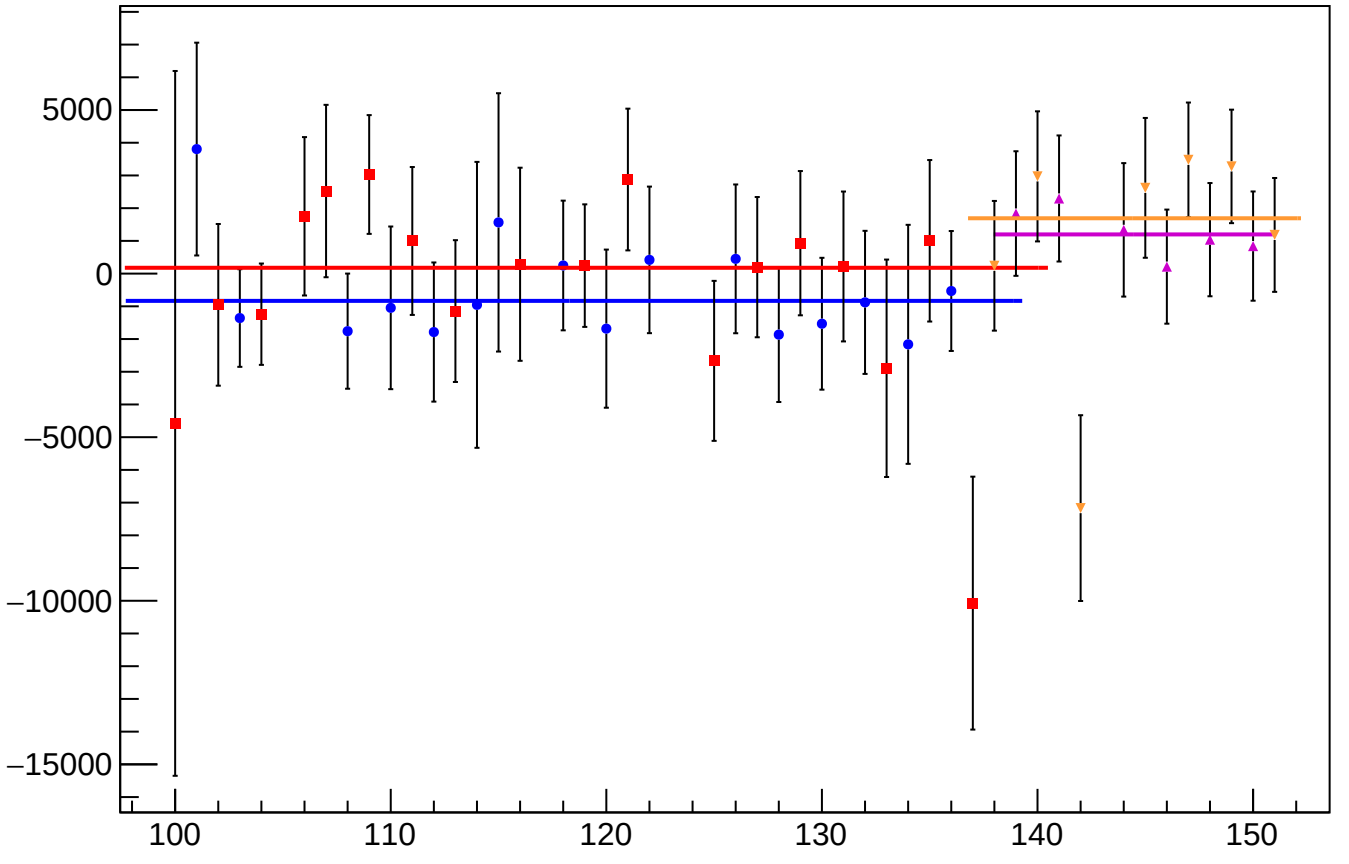
Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 6622.013+/-2.056 χ^2/NDF:109883.3/5

+ sign 6187.445+/-1.257 χ^2/NDF: 793175.9/22

All: 6058.524+/-0.874 χ^2/NDF: 1817819.2/46

- sign 5937.814+/-1.216 χ^2/NDF: 1004269.3/23



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1691.349+/-737.398 χ^2/NDF:12.8/6

Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

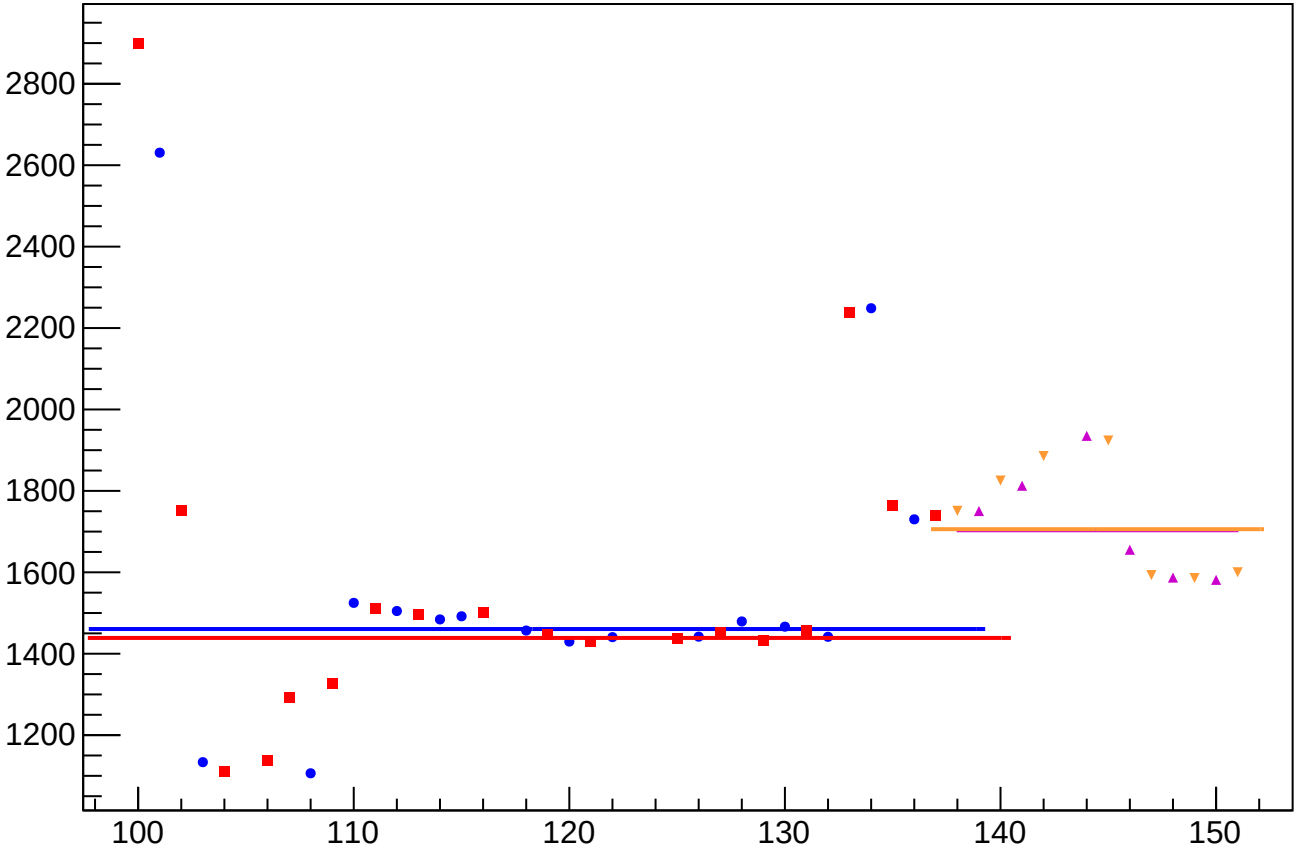
Left In: 1197.855+/-743.869 χ^2/NDF:0.8/5

\+ sign 79.170+/-443.351 χ^2/NDF: 24.9/22

All: 309.099+/-312.701 χ^2/NDF: 43.9/46

\- sign 536.711+/-441.111 χ^2/NDF: 18.5/23

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1705.924+/-0.521 χ^2/NDF:62333.5/6

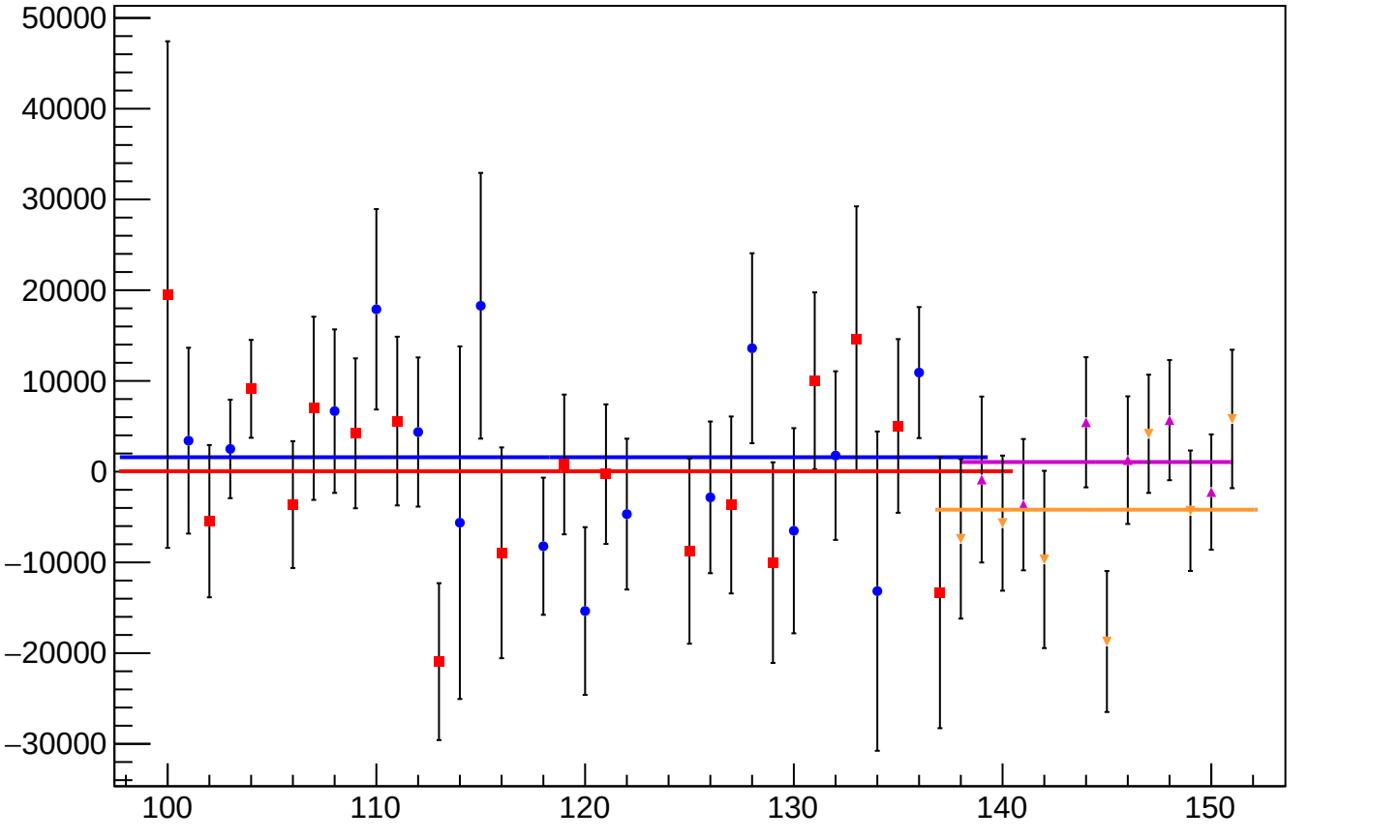
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1703.291+/-0.526 χ^2/NDF:54703.9/5

+ sign 1549.315+/-0.313 χ^2/NDF: 779352.3/22

All: 1540.353+/-0.221 χ^2/NDF: 1373299.1/46

- sign 1531.507+/-0.311 χ^2/NDF: 592322.9/23



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -4193.426+/-2869.035 χ^2/NDF:7.4/6

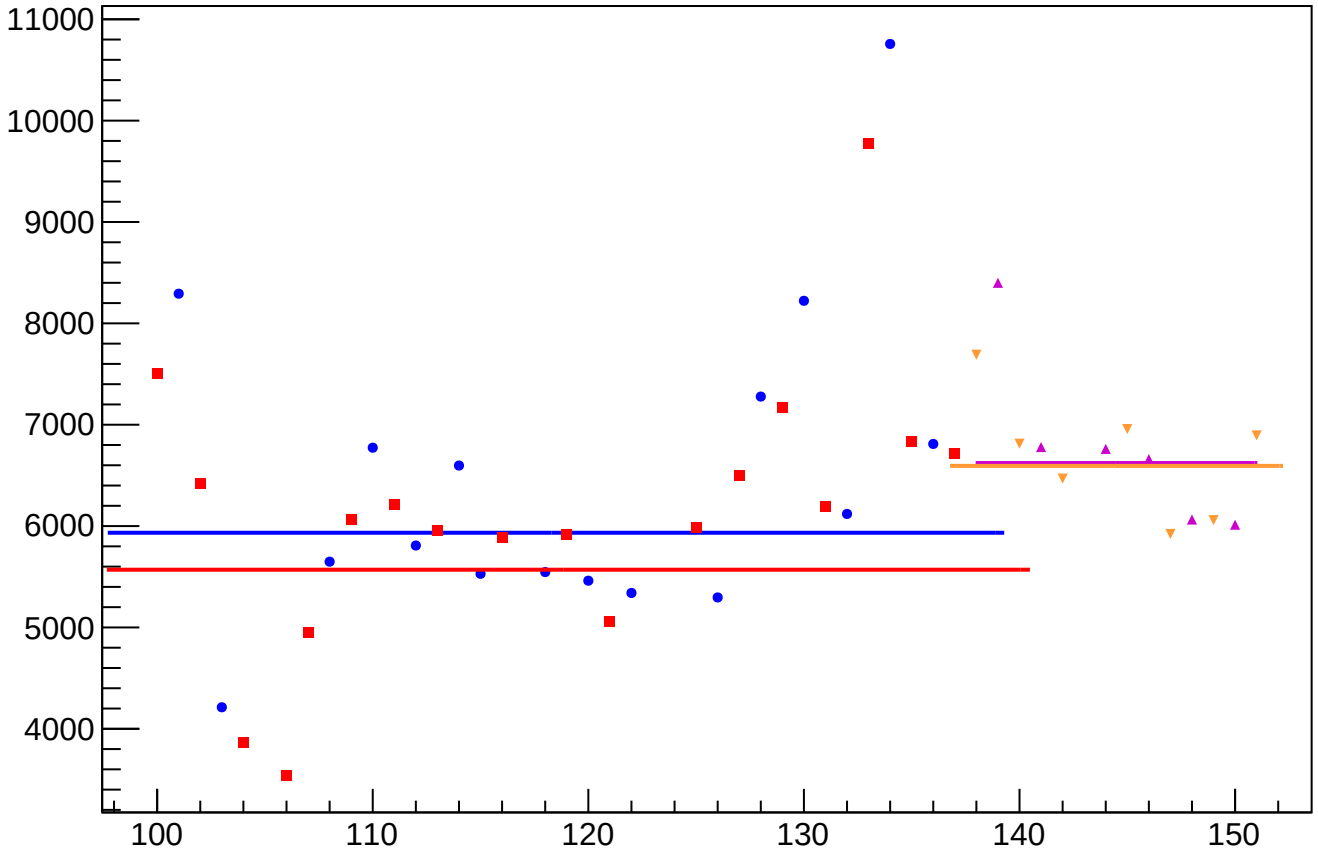
Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: 1060.506+/-2907.657 χ^2/NDF:1.6/5

+ sign -630.501+/-1777.410 χ^2/NDF: 24.1/22

All: -99.612+/-1235.977 χ^2/NDF: 42.4/46

- sign 397.465+/-1719.880 χ^2/NDF: 18.1/23



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 6594.025+/-2.029 χ^2/NDF:74911.2/6

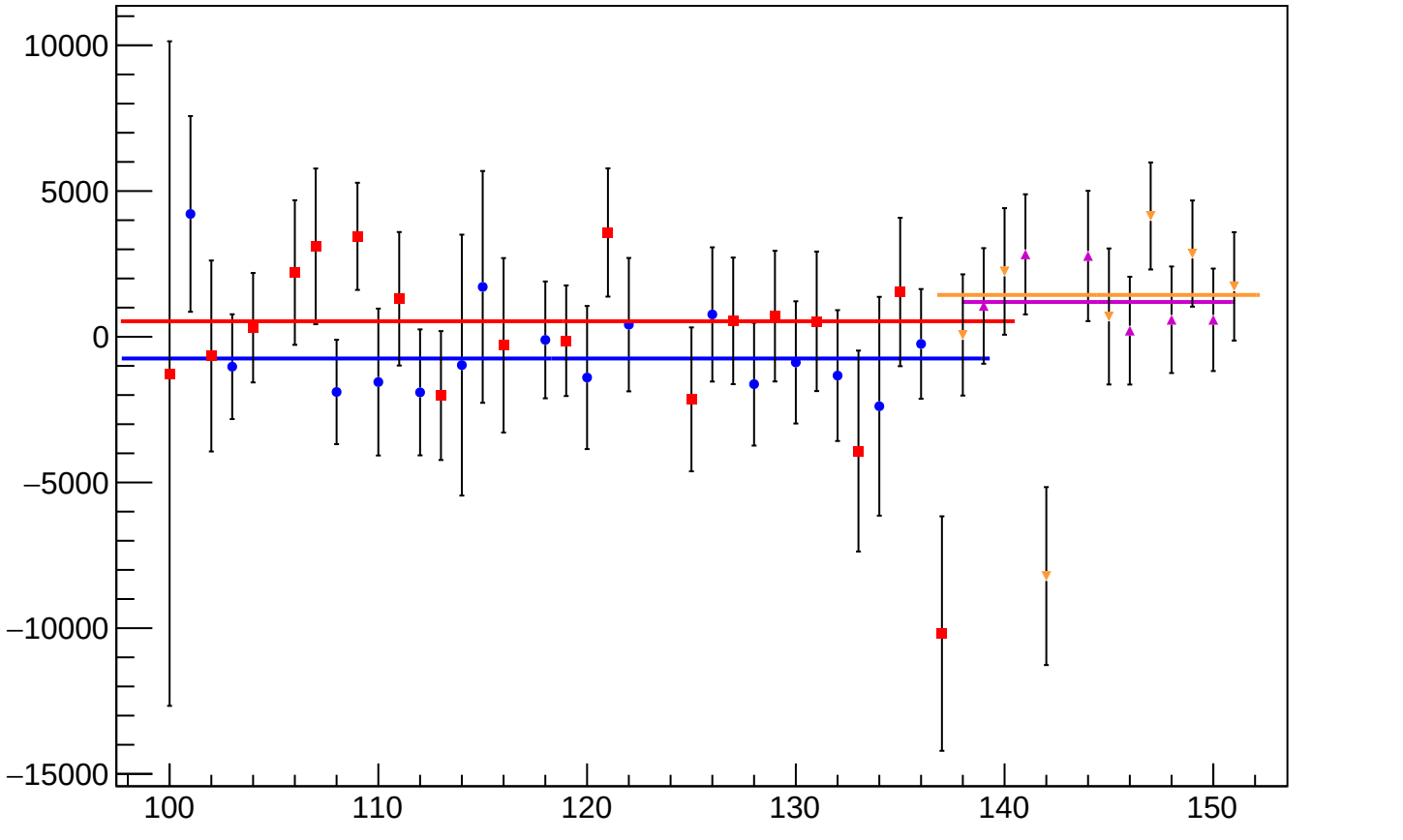
Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 6622.013+/-2.056 χ^2/NDF:109883.3/5

+ sign 6187.445+/-1.257 χ^2/NDF: 793175.9/22

All: 6058.524+/-0.874 χ^2/NDF: 1817819.2/46

- sign 5937.814+/-1.216 χ^2/NDF: 1004269.3/23



Right In: -745.914+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1434.589+/-785.384 χ^2/NDF:13.5/6

Right Out: 531.292+/-575.115 χ^2/NDF: 17.7/17

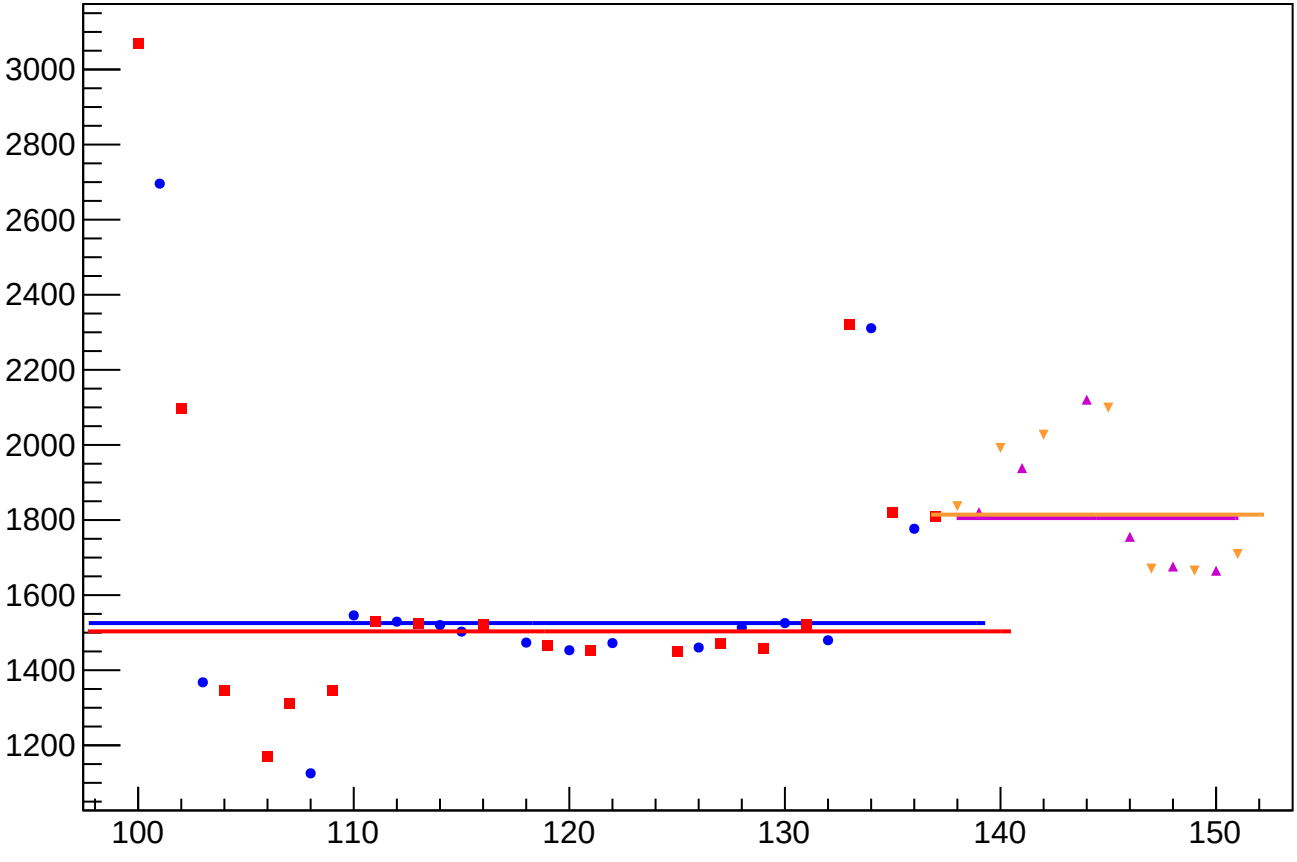
Left In: 1192.576+/-789.327 χ^2/NDF:1.6/5

\+ sign 20.285+/-465.558 χ^2/NDF: 23.2/22

All: 391.037+/-328.938 χ^2/NDF: 44.3/46

\- sign 760.613+/-464.819 χ^2/NDF: 19.8/23

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1814.393+/-0.555 χ^2/NDF:85182.7/6

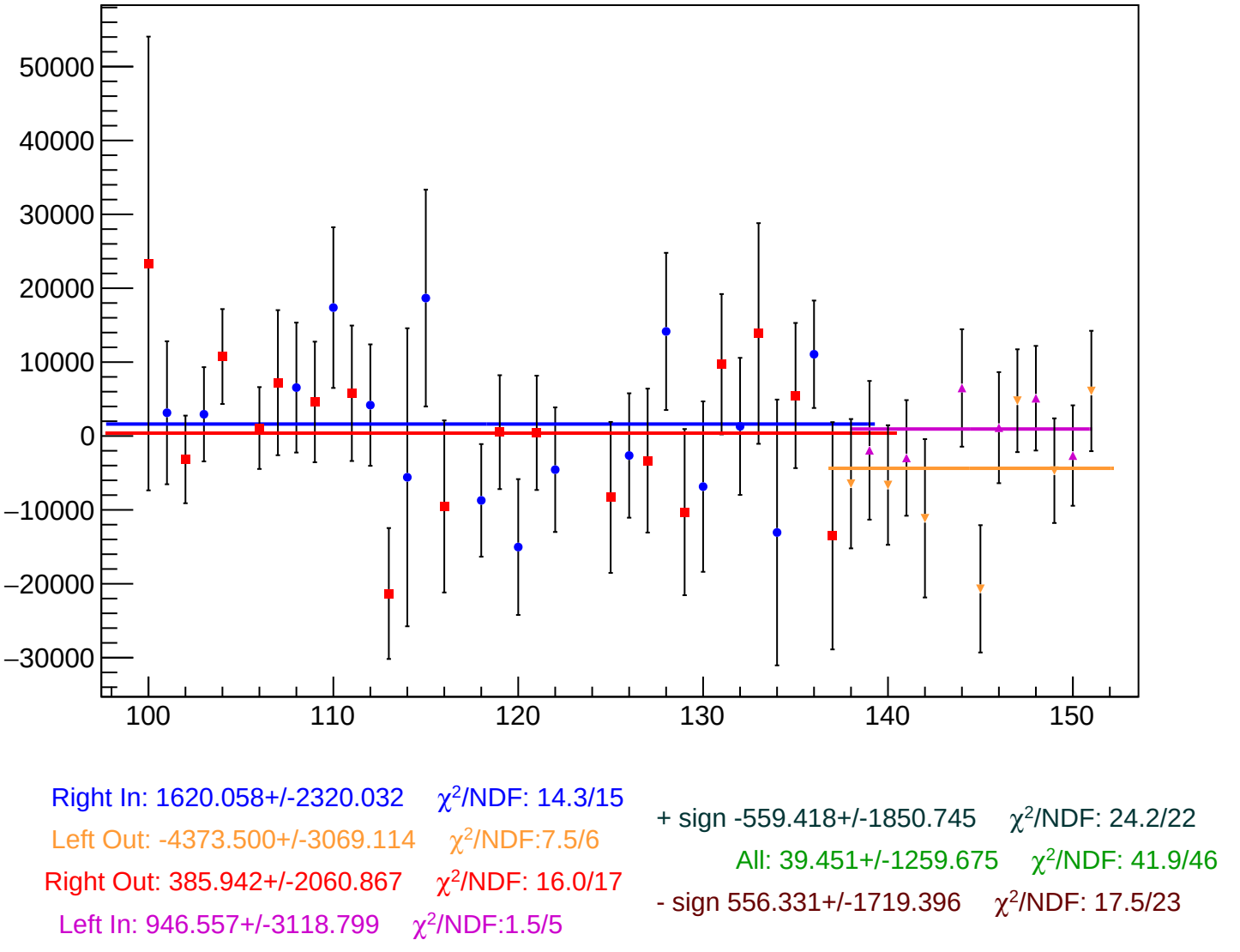
Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1805.207+/-0.558 χ^2/NDF:72426.1/5

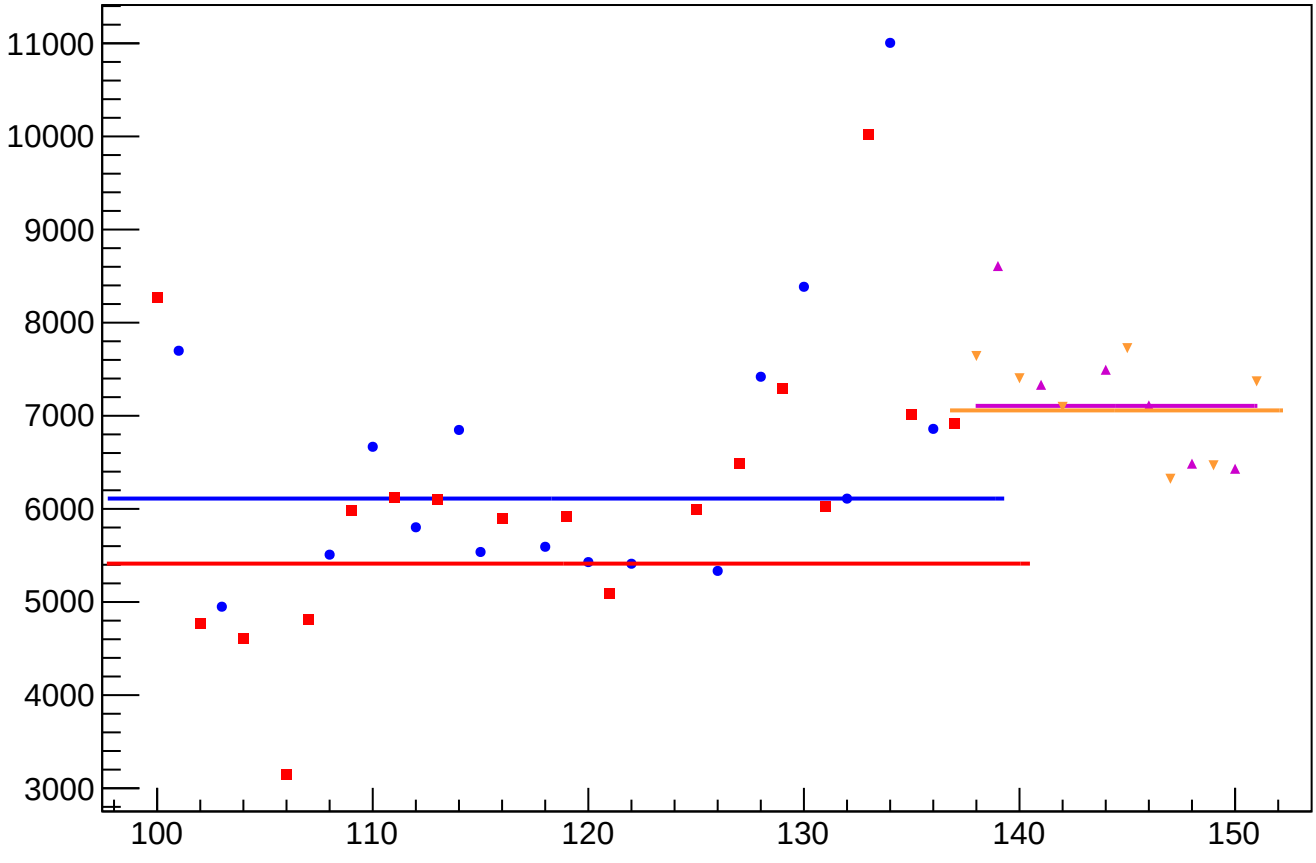
+ sign 1627.036+/-0.329 χ^2/NDF: 748987.9/22

All: 1617.523+/-0.233 χ^2/NDF: 1352583.6/46

- sign 1608.043+/-0.329 χ^2/NDF: 601928.4/23


asym_us_avg_at2lr_avg_dd_dit_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
Right In: 1620.058+/-2320.032 χ²/NDF: 14.3/15
Left Out: -4373.500+/-3069.114 χ²/NDF:7.5/6
Right Out: 385.942+/-2060.867 χ²/NDF: 16.0/17
Left In: 946.557+/-3118.799 χ²/NDF:1.5/5
+ sign -559.418+/-1850.745 χ²/NDF: 24.2/22
All: 39.451+/-1259.675 χ²/NDF: 41.9/46
- sign 556.331+/-1719.396 χ²/NDF: 17.5/23

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug



Right In: 6111.037+/-1.641 χ^2/NDF: 471661.4/15

Left Out: 7057.743+/-2.170 χ^2/NDF:63661.4/6

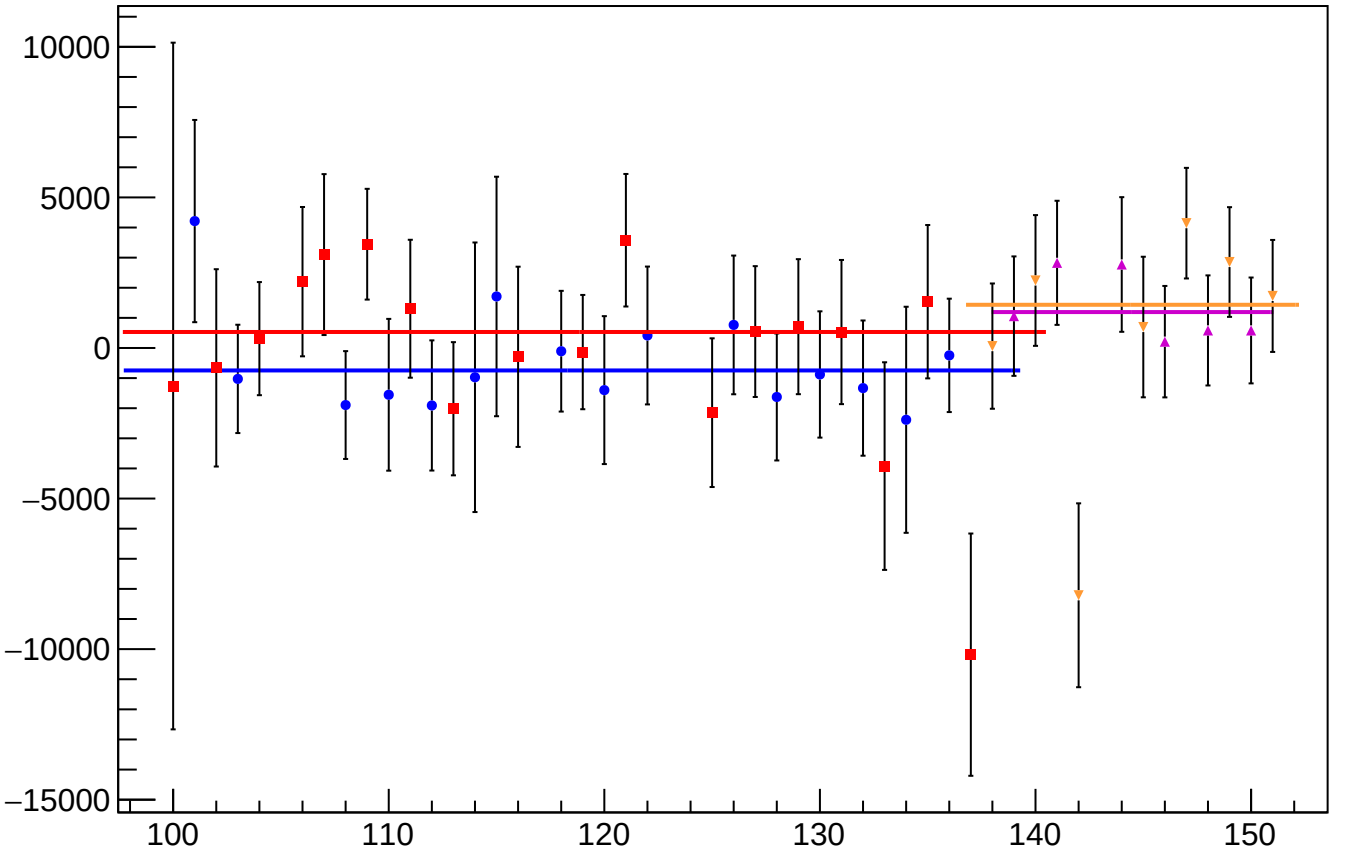
Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 7106.497+/-2.205 χ^2/NDF:92763.1/5

+ sign 6455.294+/-1.309 χ^2/NDF: 656421.8/22

All: 6171.846+/-0.891 χ^2/NDF: 2068931.8/46

- sign 5927.204+/-1.216 χ^2/NDF: 1325109.1/23



Right In: -745.918+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1434.581+/-785.385 χ^2/NDF:13.5/6

Right Out: 531.302+/-575.115 χ^2/NDF: 17.7/17

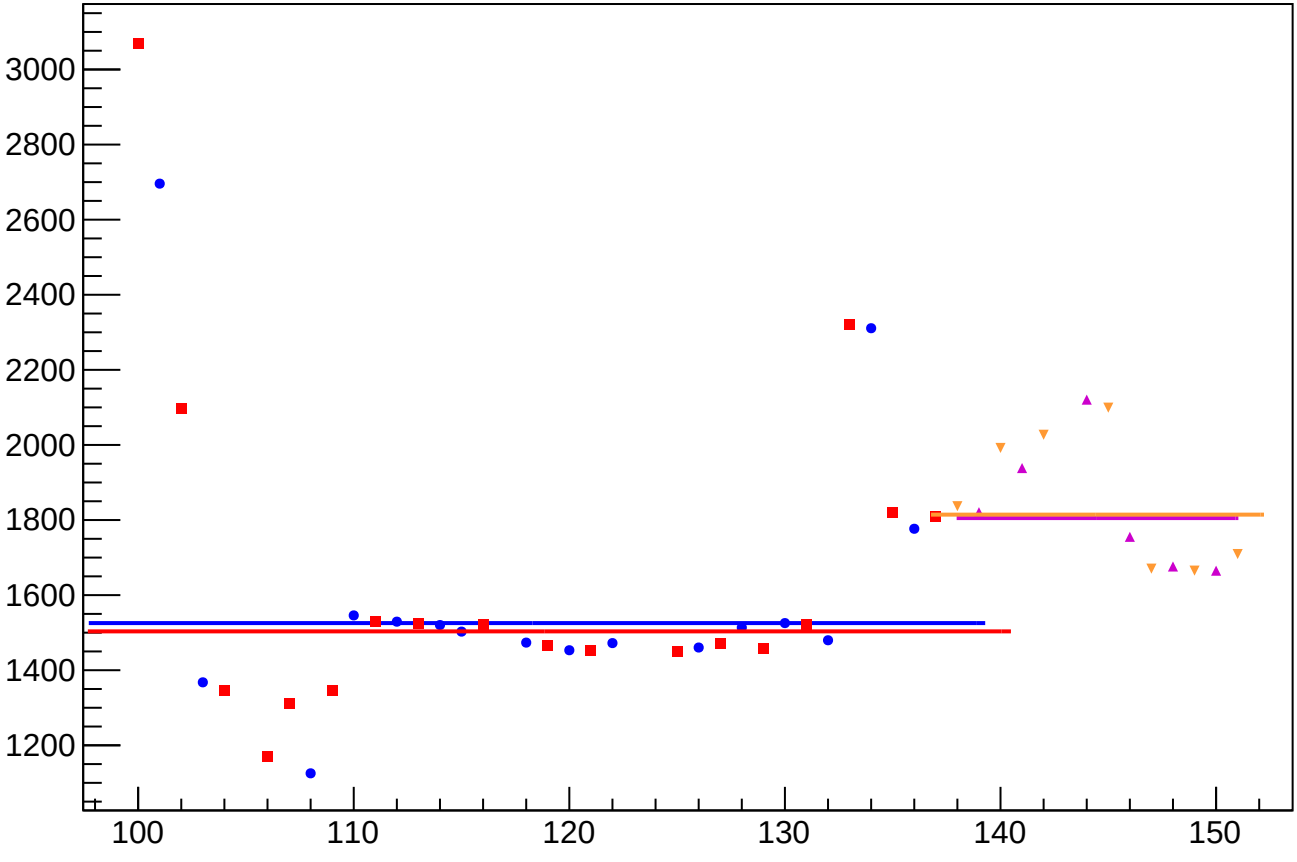
Left In: 1192.573+/-789.328 χ^2/NDF:1.6/5

+ sign 20.278+/-465.559 χ^2/NDF: 23.2/22

All: 391.036+/-328.938 χ^2/NDF: 44.3/46

- sign 760.618+/-464.820 χ^2/NDF: 19.8/23

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: 1814.395+/-0.555 χ^2/NDF:85183.7/6

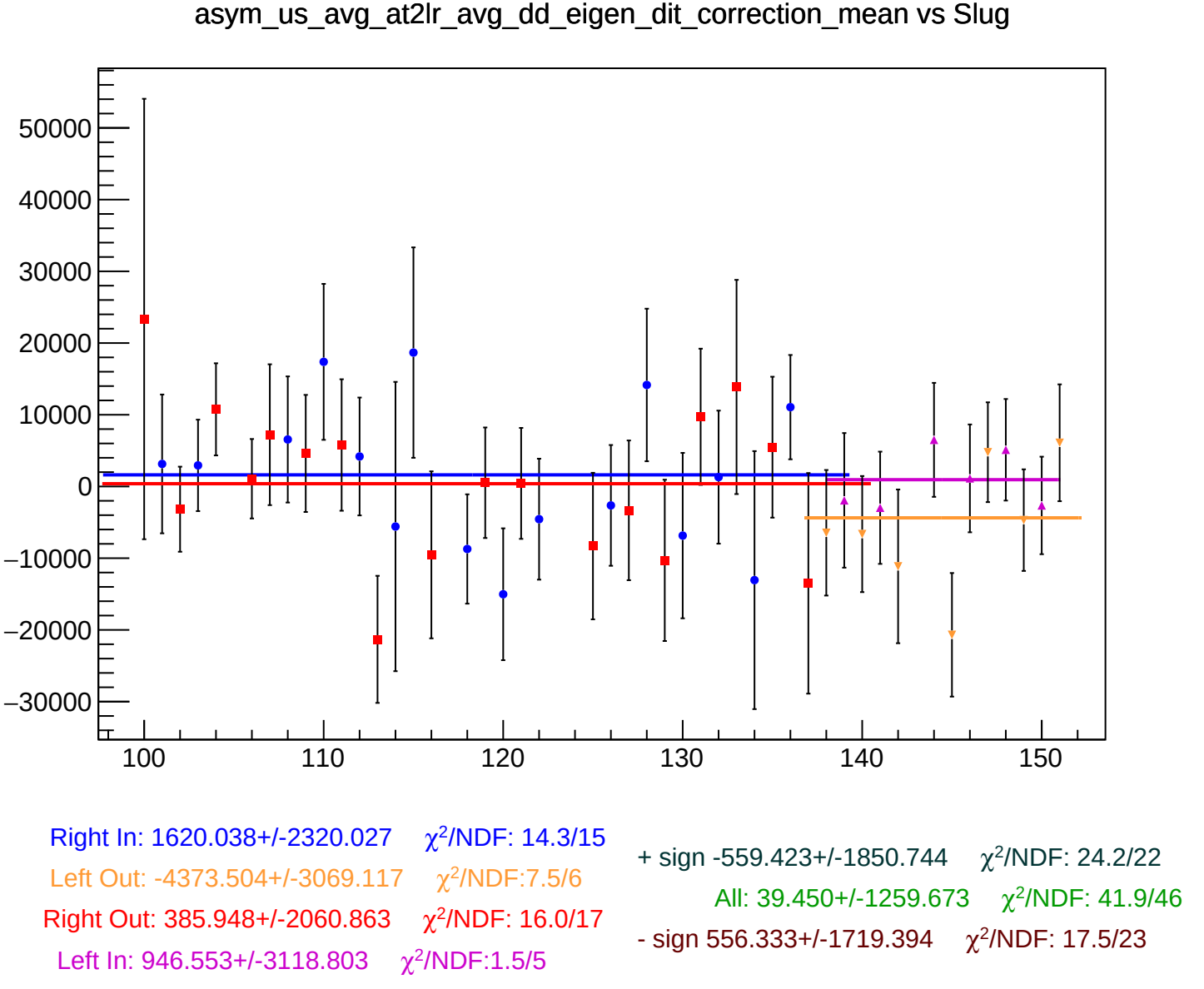
Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

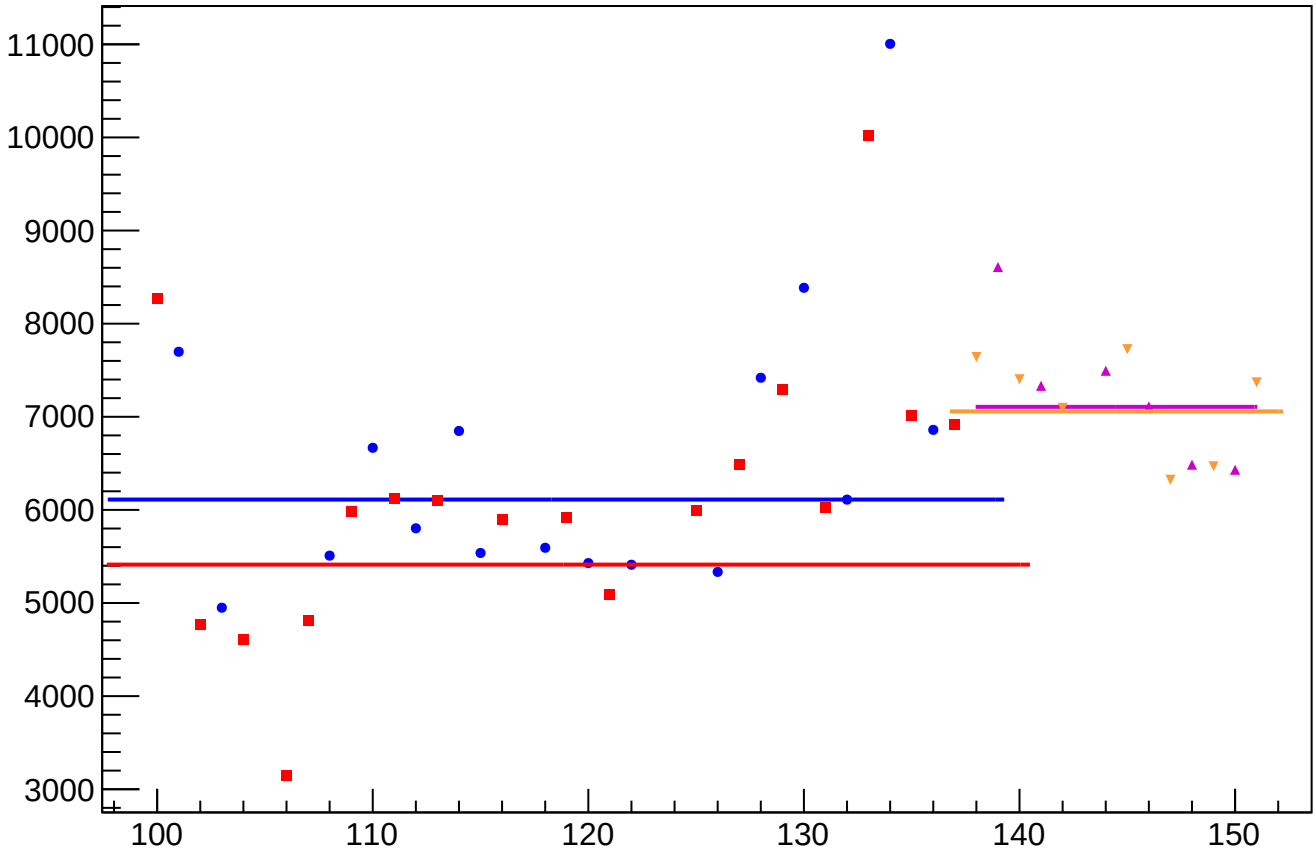
Left In: 1805.209+/-0.558 χ^2/NDF:72426.3/5

+ sign 1627.037+/-0.329 χ^2/NDF: 748990.4/22

All: 1617.524+/-0.233 χ^2/NDF: 1352588.9/46

- sign 1608.044+/-0.329 χ^2/NDF: 601931.3/23


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
Right In: 1620.038+/-2320.027 χ²/NDF: 14.3/15
Left Out: -4373.504+/-3069.117 χ²/NDF:7.5/6
Right Out: 385.948+/-2060.863 χ²/NDF: 16.0/17
Left In: 946.553+/-3118.803 χ²/NDF:1.5/5
+ sign -559.423+/-1850.744 χ²/NDF: 24.2/22
All: 39.450+/-1259.673 χ²/NDF: 41.9/46
- sign 556.333+/-1719.394 χ²/NDF: 17.5/23



Right In: 6111.023+/-1.641 χ^2/NDF: 471663.6/15

Left Out: 7057.752+/-2.170 χ^2/NDF:63662.3/6

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

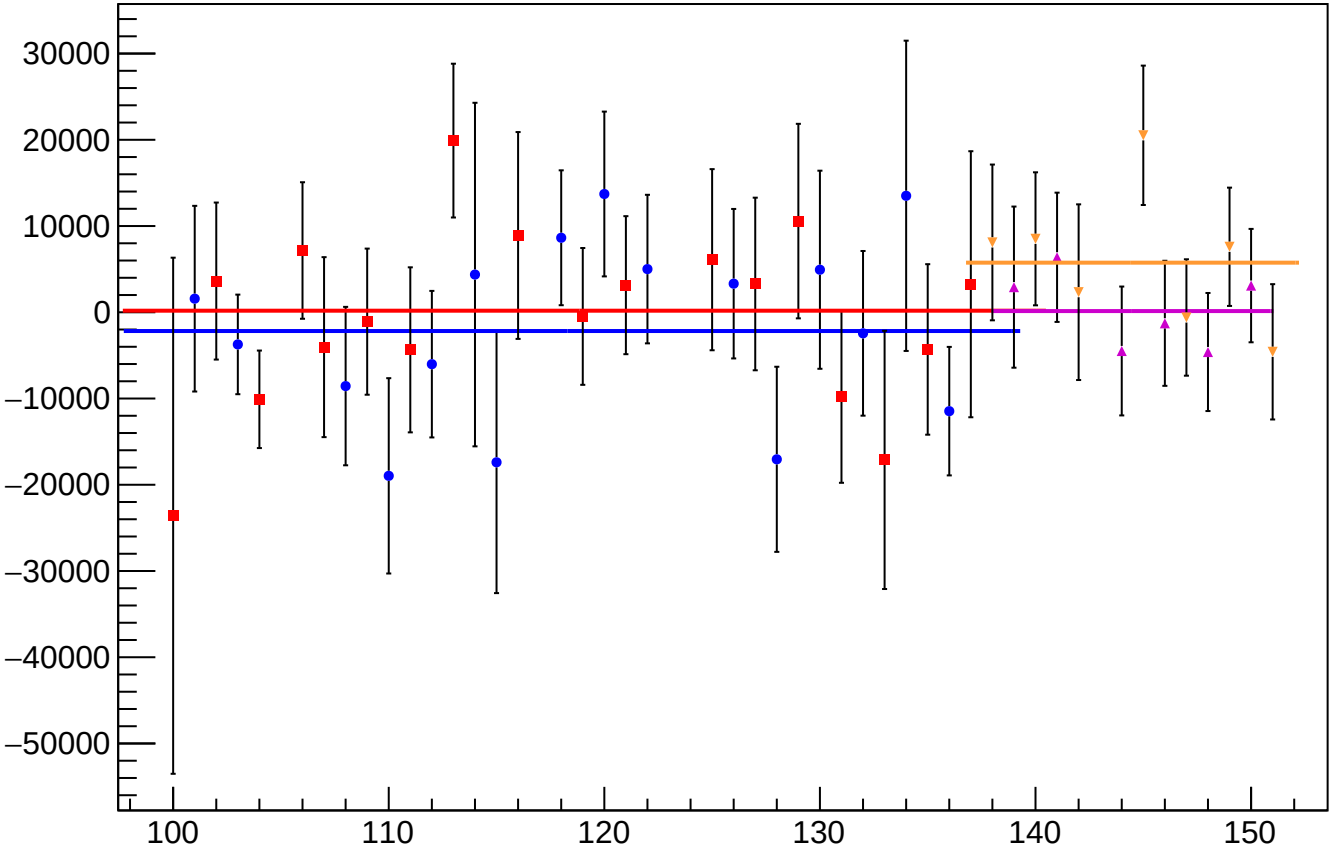
Left In: 7106.506+/-2.205 χ^2/NDF:92764.1/5

+ sign 6455.287+/-1.309 χ^2/NDF: 656430.4/22

All: 6171.839+/-0.891 χ^2/NDF: 2068951.6/46

- sign 5927.197+/-1.216 χ^2/NDF: 1325119.8/23

asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -2174.048+/-2347.664 χ^2/NDF: 14.6/15

Left Out: 5752.970+/-2968.454 χ^2/NDF:6.3/6

Right Out: 183.559+/-2228.883 χ^2/NDF: 14.7/17

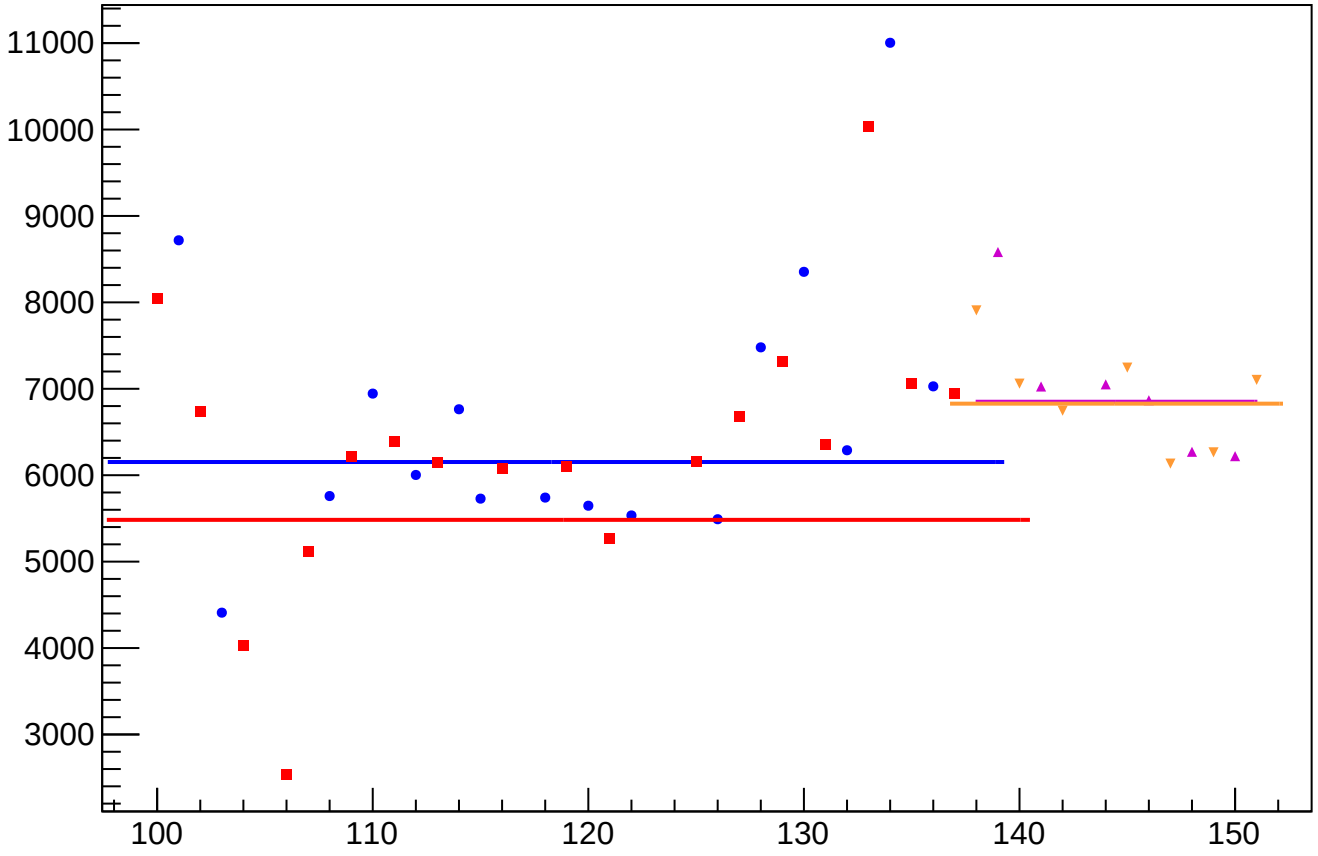
Left In: 139.807+/-3005.841 χ^2/NDF:1.9/5

\+ sign 876.235+/-1841.389 χ^2/NDF: 25.3/22

All: 512.189+/-1283.640 χ^2/NDF: 41.9/46

\- sign 168.036+/-1790.370 χ^2/NDF: 16.5/23

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 6152.690+/-1.660 χ^2/NDF: 624026.7/15

Left Out: 6827.857+/-2.099 χ^2/NDF:72907.4/6

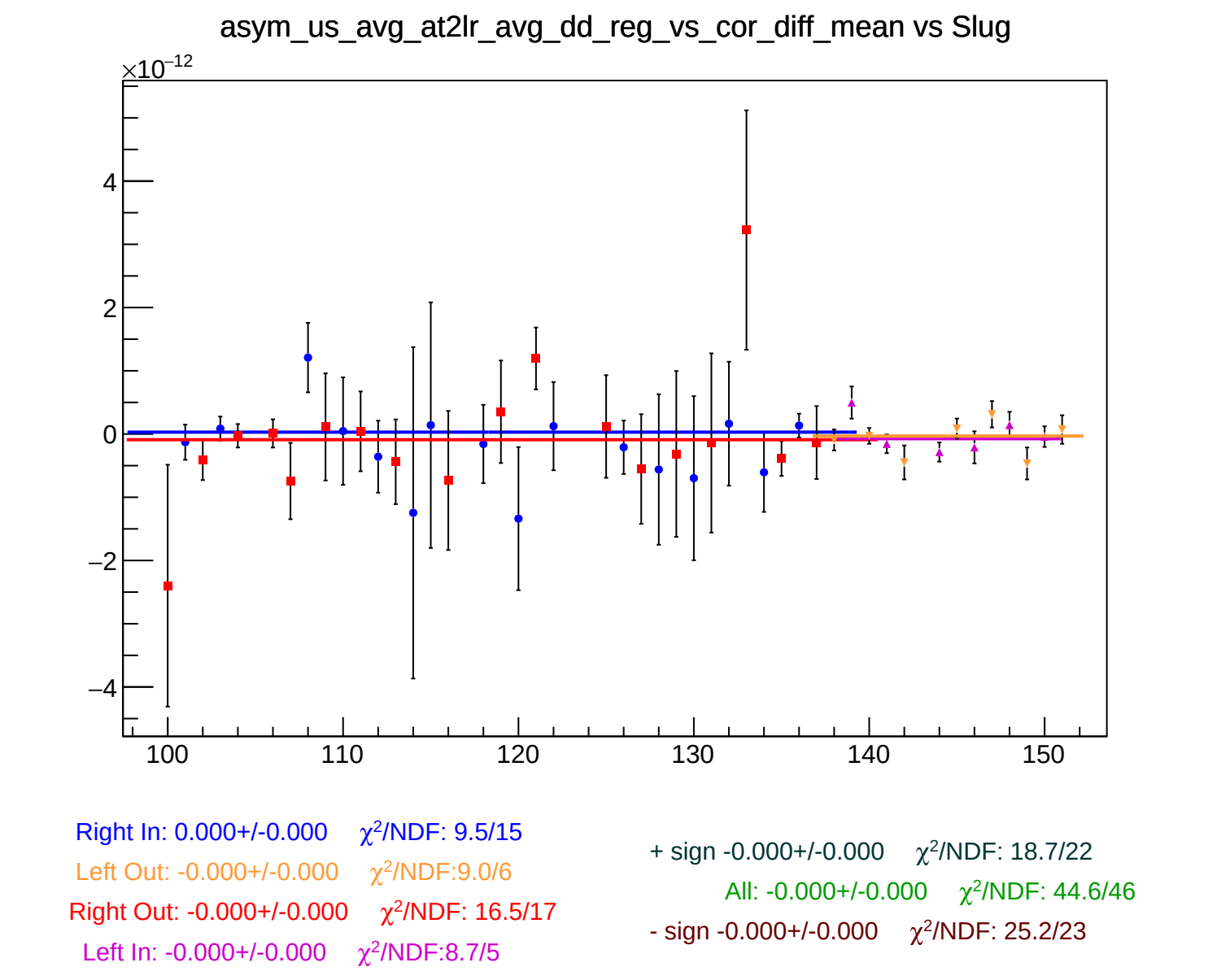
Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

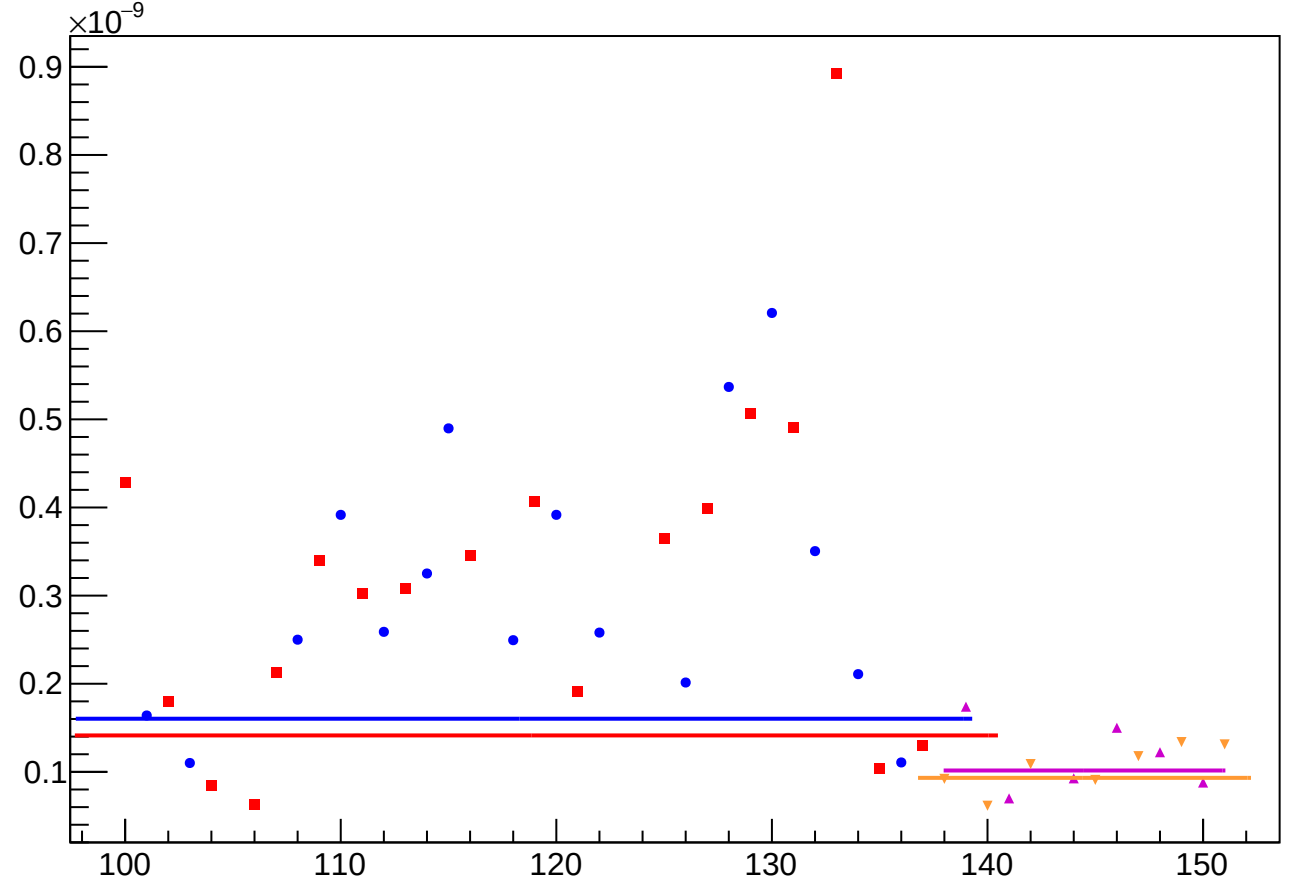
Left In: 6850.091+/-2.125 χ^2/NDF:104017.1/5

+ sign 6412.489+/-1.302 χ^2/NDF: 760586.3/22

All: 6166.914+/-0.896 χ^2/NDF: 2354597.3/46

- sign 5945.594+/-1.236 χ^2/NDF: 1526380.0/23


asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
4
2
0
−2
−4
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 9.5/15
Left Out: -0.000+/-0.000 χ²/NDF:9.0/6
Right Out: -0.000+/-0.000 χ²/NDF: 16.5/17
Left In: -0.000+/-0.000 χ²/NDF:8.7/5
+ sign -0.000+/-0.000 χ²/NDF: 18.7/22
All: -0.000+/-0.000 χ²/NDF: 44.6/46
- sign -0.000+/-0.000 χ²/NDF: 25.2/23



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:271827.3/6

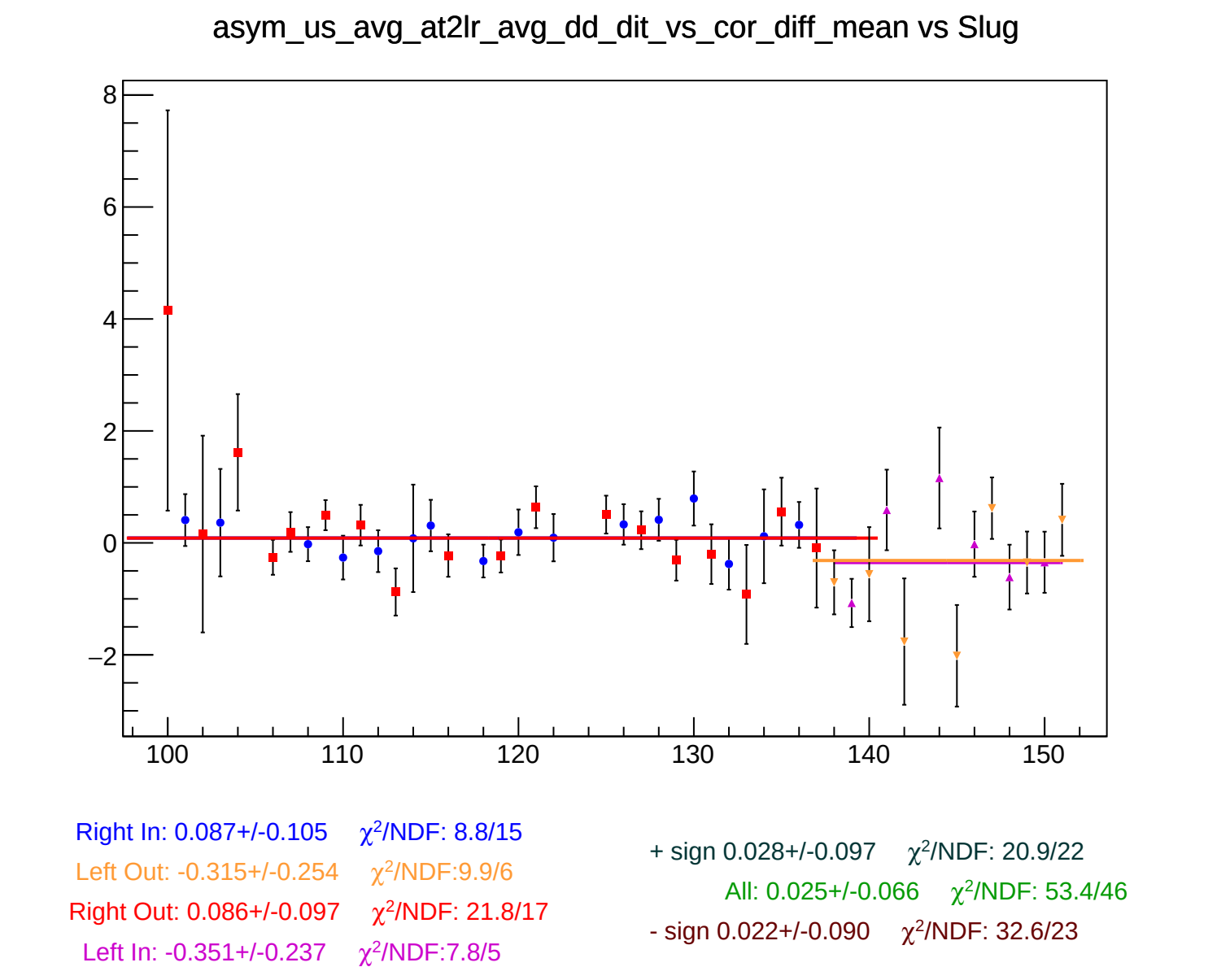
Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

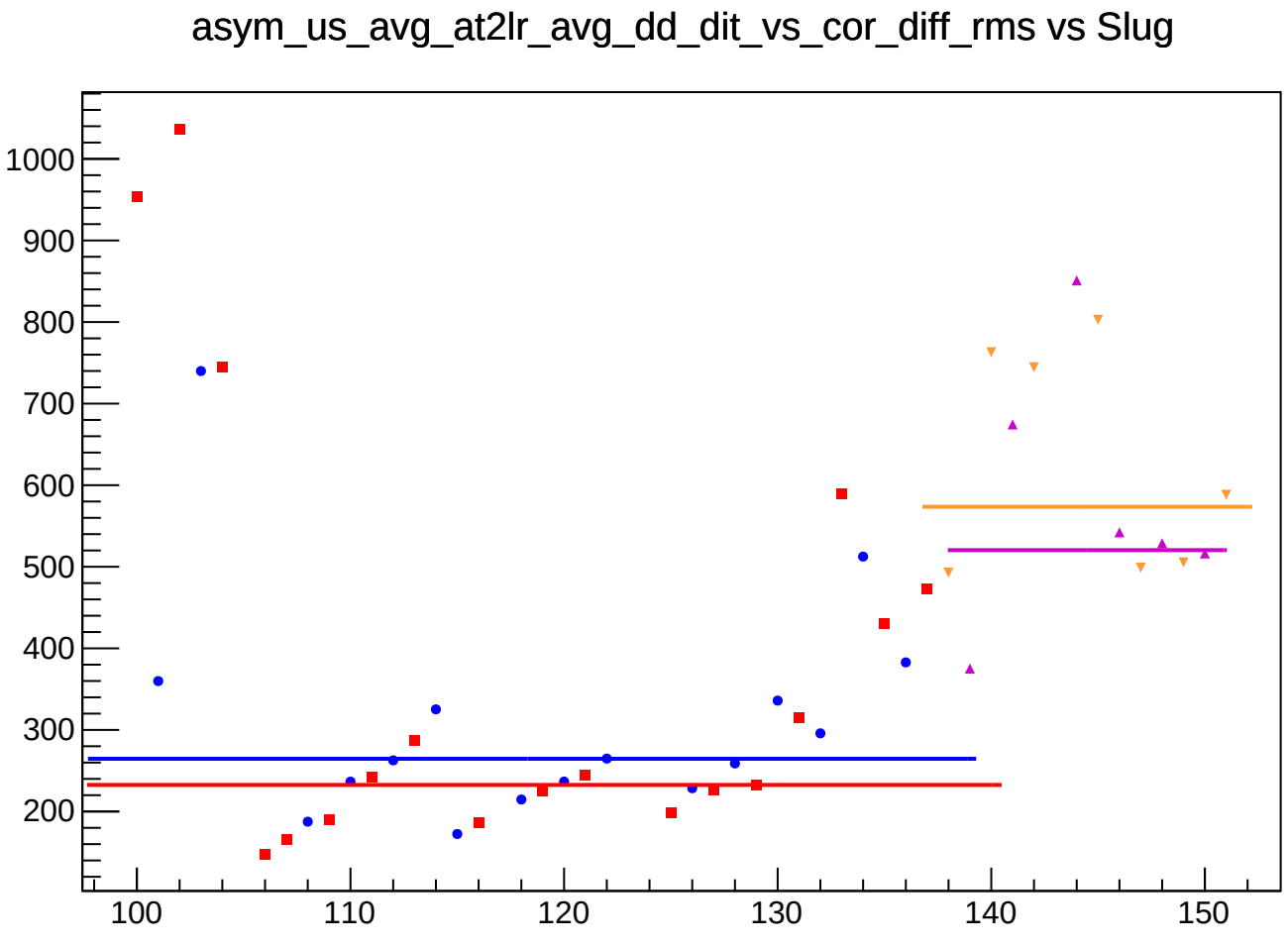
Left In: 0.000+/-0.000 χ^2/NDF:368525.0/5

+ sign 0.000+/-0.000 χ^2/NDF: 2183555.6/22

All: 0.000+/-0.000 χ^2/NDF: 4916264.9/46

- sign 0.000+/-0.000 χ^2/NDF: 2731976.3/23


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
Right In: 0.087+/-0.105 χ²/NDF: 8.8/15
Left Out: -0.315+/-0.254 χ²/NDF:9.9/6
Right Out: 0.086+/-0.097 χ²/NDF: 21.8/17
Left In: -0.351+/-0.237 χ²/NDF:7.8/5
+ sign 0.028+/-0.097 χ²/NDF: 20.9/22
All: 0.025+/-0.066 χ²/NDF: 53.4/46
- sign 0.022+/-0.090 χ²/NDF: 32.6/23



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 573.548+/-0.180 χ^2/NDF:383255.6/6

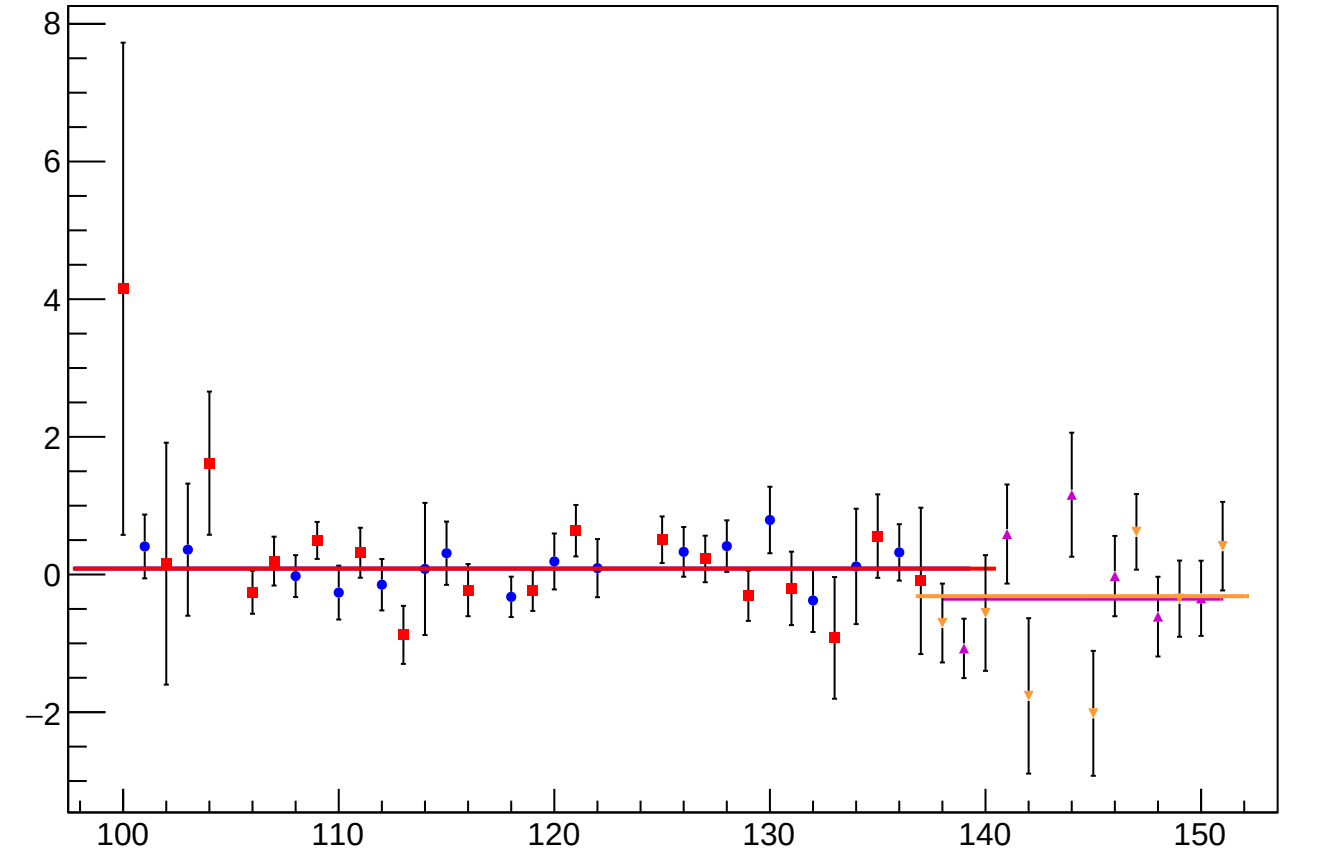
Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 520.427+/-0.168 χ^2/NDF:590879.2/5

+ sign 309.706+/-0.069 χ^2/NDF: 4187153.9/22

All: 290.593+/-0.047 χ^2/NDF: 9480520.6/46

- sign 274.166+/-0.064 χ^2/NDF: 5149323.8/23



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.315+/-0.254 χ^2/NDF:9.9/6

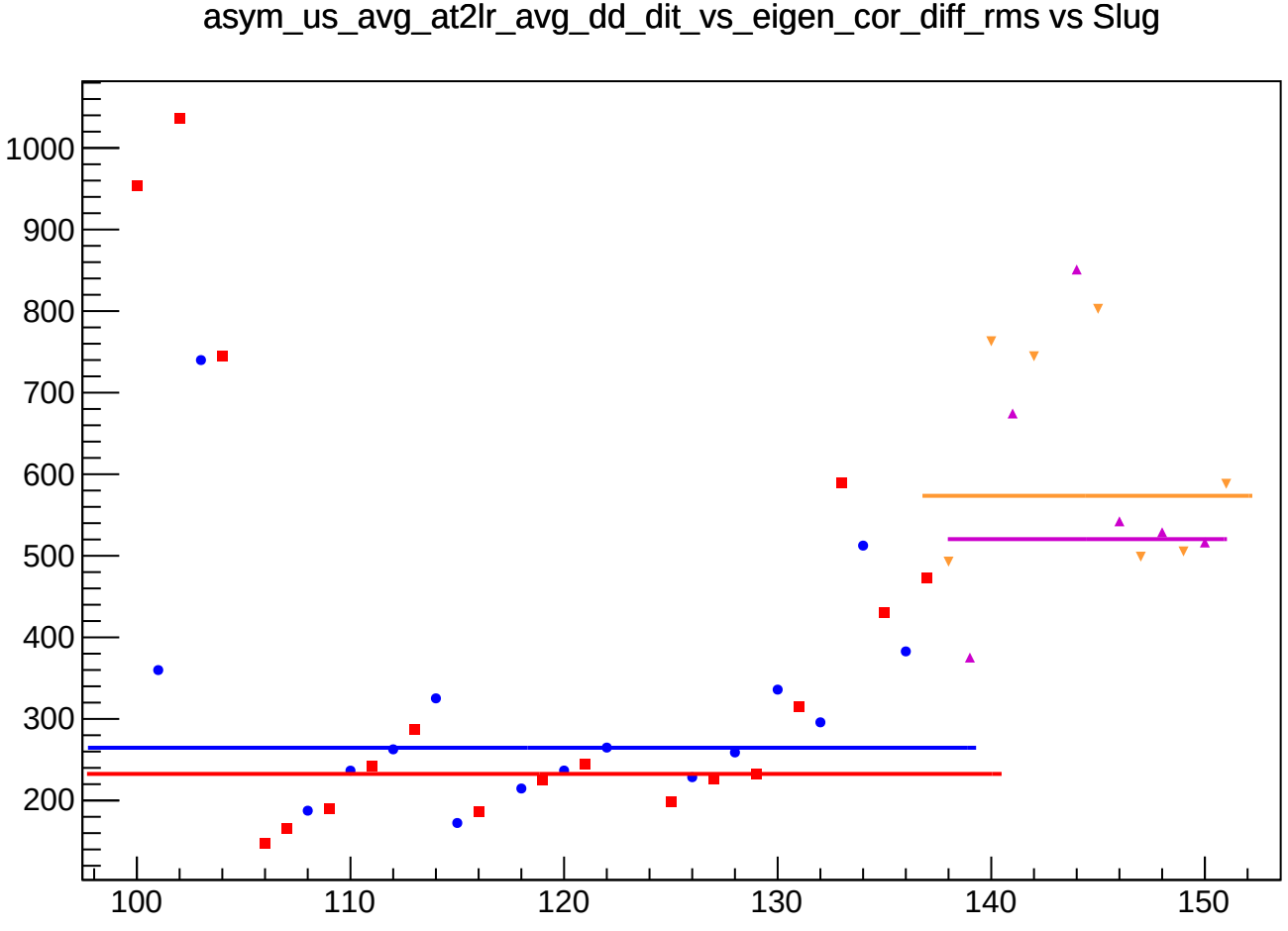
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.351+/-0.237 χ^2/NDF:7.8/5

+ sign 0.028+/-0.097 χ^2/NDF: 20.9/22

All: 0.025+/-0.066 χ^2/NDF: 53.4/46

- sign 0.022+/-0.090 χ^2/NDF: 32.6/23



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 573.548+/-0.180 χ^2/NDF:383255.6/6

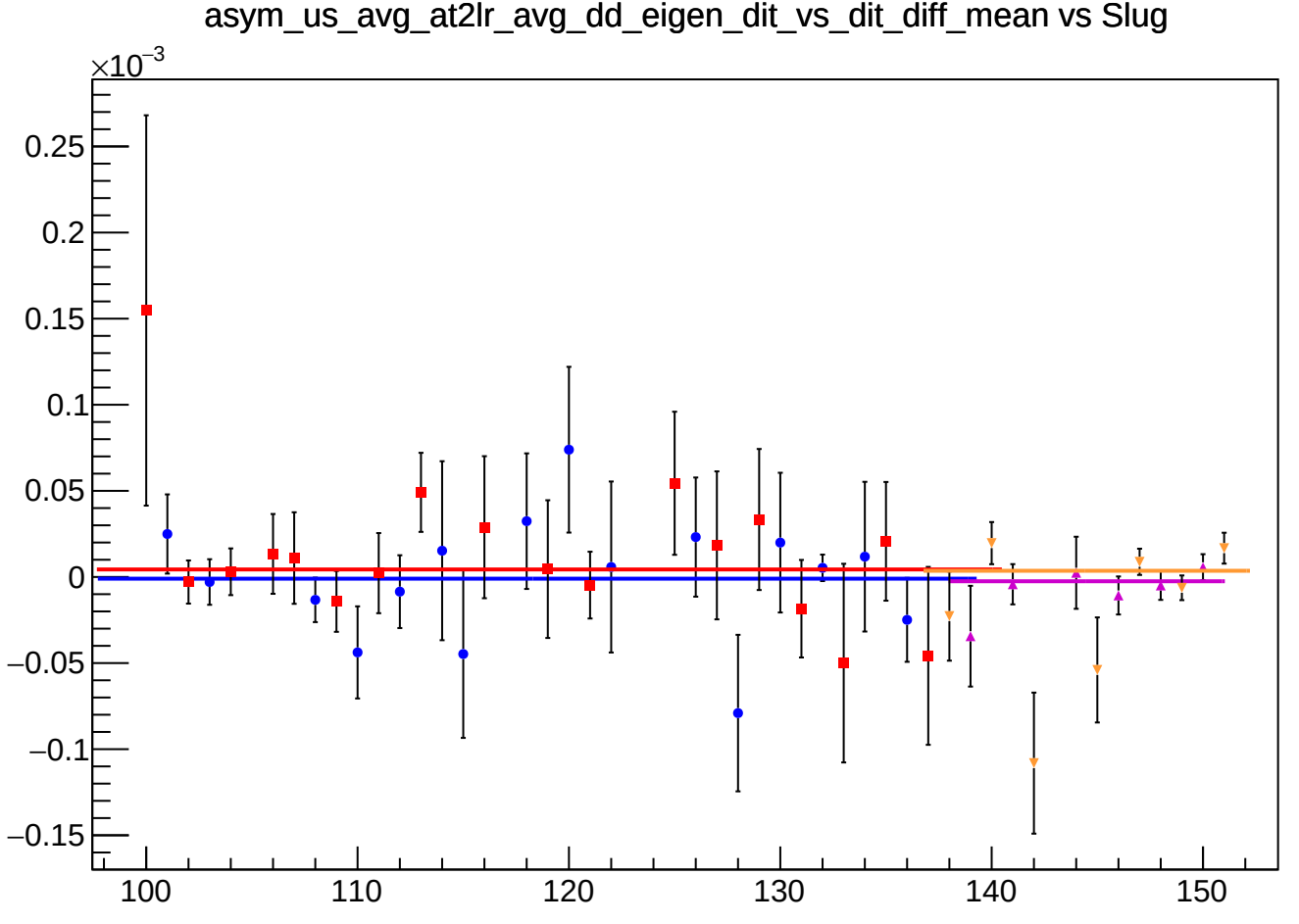
Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 520.427+/-0.168 χ^2/NDF:590879.2/5

+ sign 309.706+/-0.069 χ^2/NDF: 4187153.9/22

All: 290.593+/-0.047 χ^2/NDF: 9480520.6/46

- sign 274.166+/-0.064 χ^2/NDF: 5149323.8/23



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.3/6

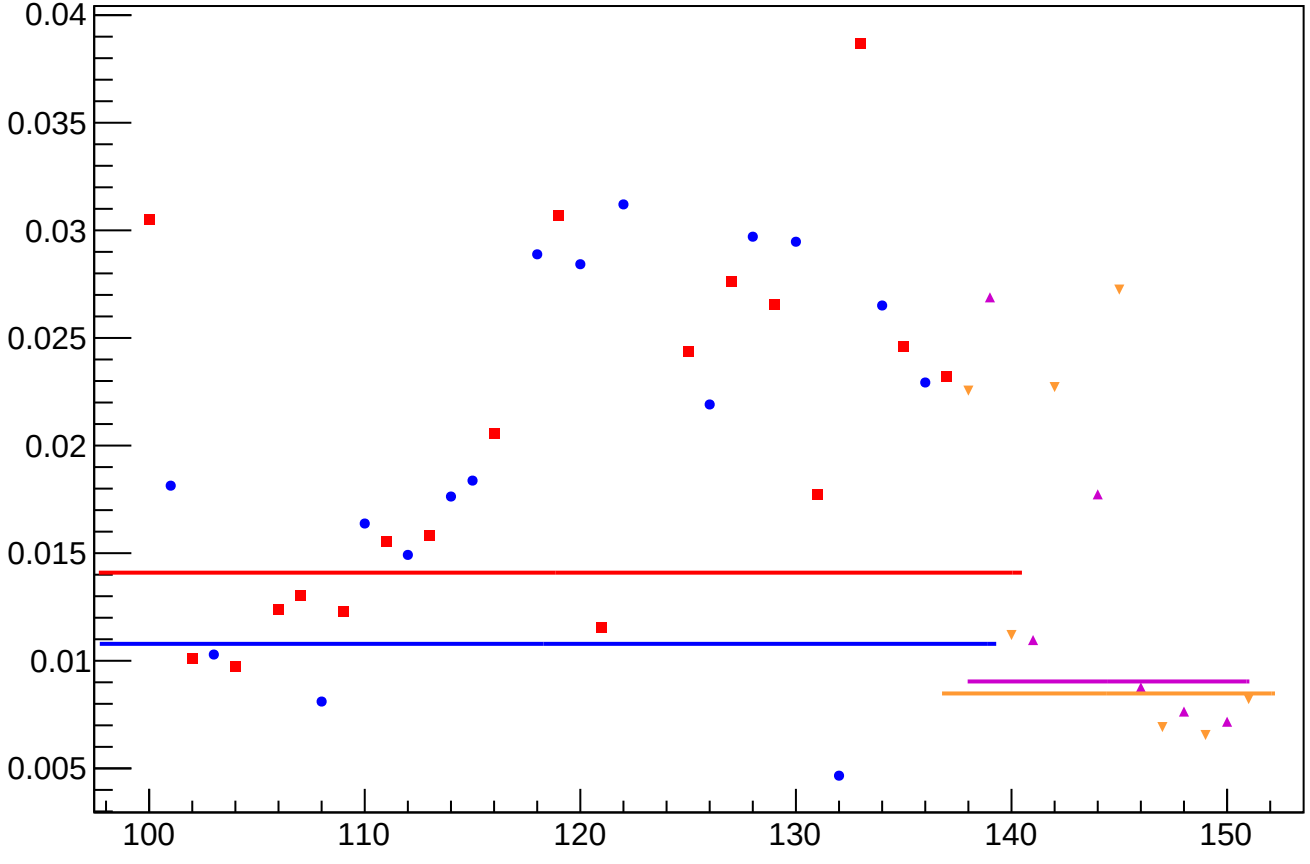
Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:3.1/5

+ sign 0.000+/-0.000 χ^2/NDF: 33.2/22

All: 0.000+/-0.000 χ^2/NDF: 49.8/46

- sign 0.000+/-0.000 χ^2/NDF: 16.5/23



Right In: 0.011+/-0.000 χ^2/NDF: 4580054.6/15

Left Out: 0.008+/-0.000 χ^2/NDF:1918578.4/6

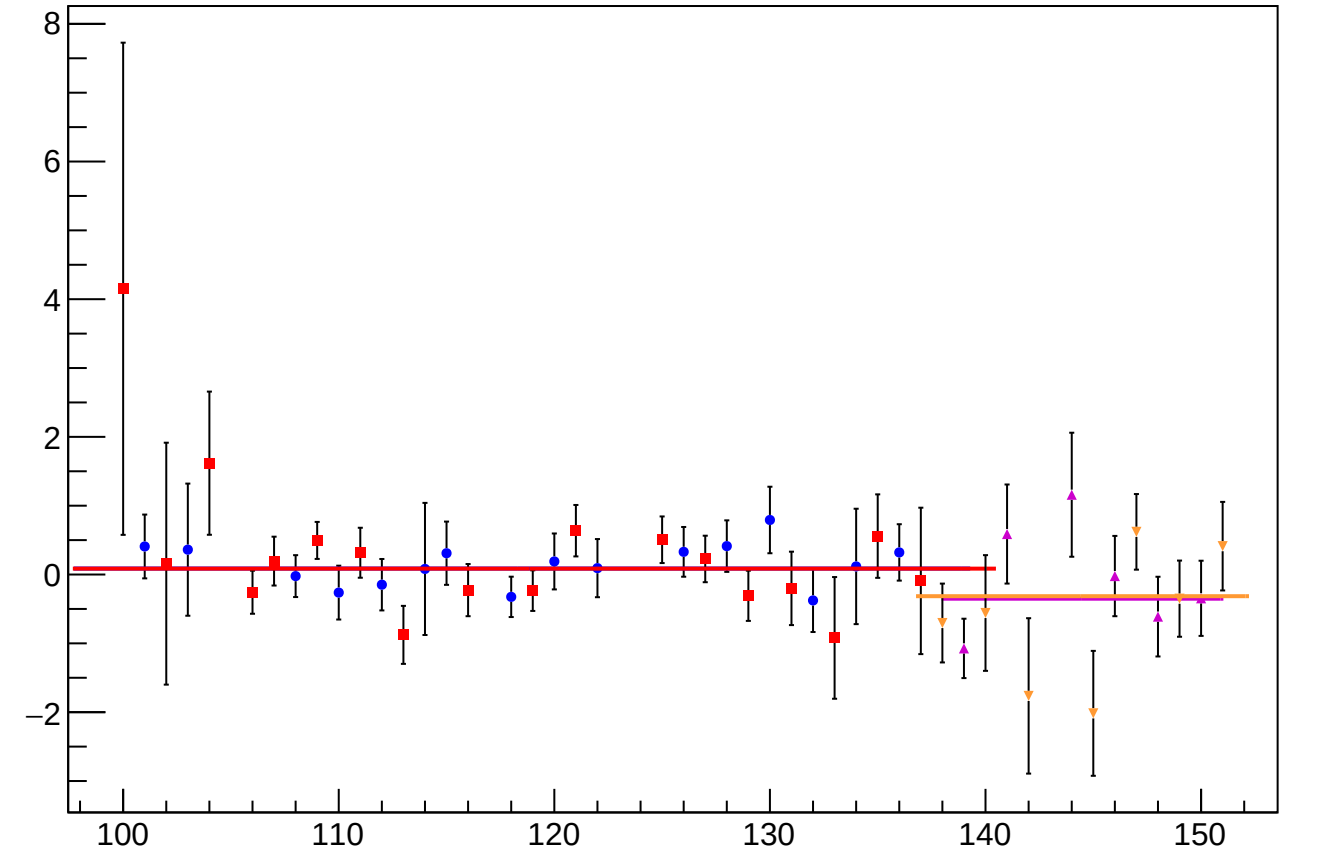
Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

Left In: 0.009+/-0.000 χ^2/NDF:1322909.7/5

+ sign 0.009+/-0.000 χ^2/NDF: 6754356.3/22

All: 0.010+/-0.000 χ^2/NDF: 11340113.0/46

- sign 0.011+/-0.000 χ^2/NDF: 4380406.3/23



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.315+/-0.254 χ^2/NDF:9.9/6

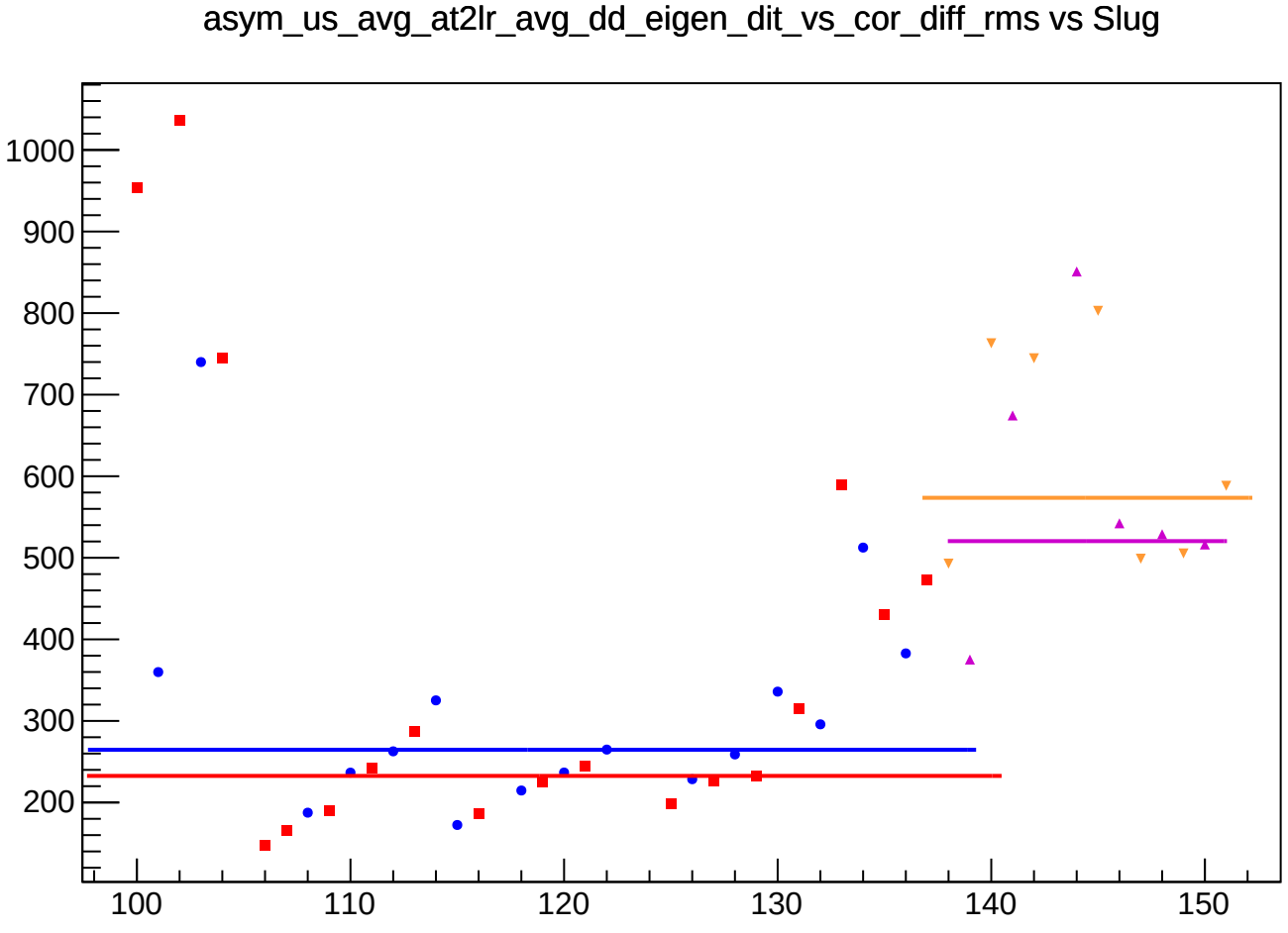
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.351+/-0.237 χ^2/NDF:7.8/5

+ sign 0.028+/-0.097 χ^2/NDF: 20.9/22

All: 0.025+/-0.066 χ^2/NDF: 53.4/46

- sign 0.022+/-0.090 χ^2/NDF: 32.6/23



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 573.553+/-0.180 χ^2/NDF:383258.8/6

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

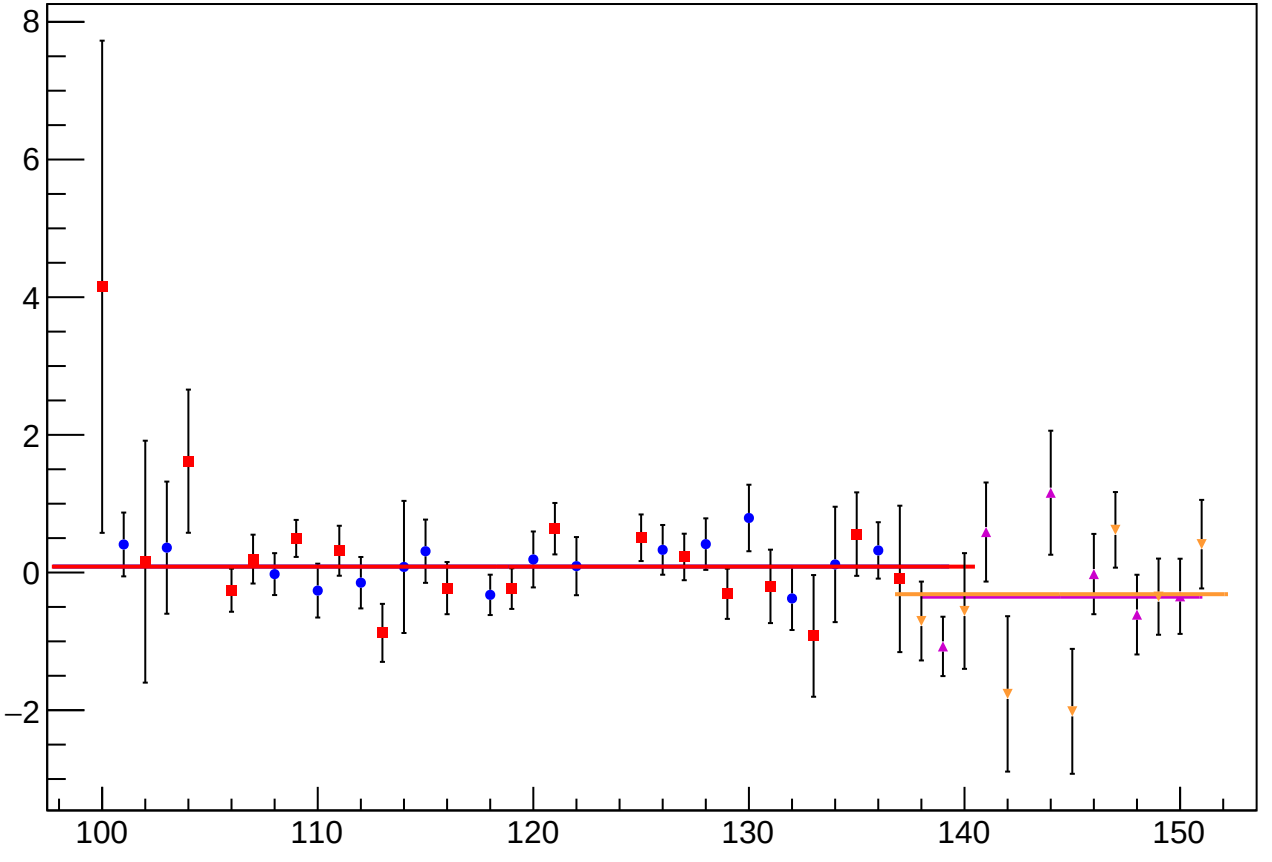
Left In: 520.435+/-0.168 χ^2/NDF:590856.6/5

+ sign 309.706+/-0.069 χ^2/NDF: 4187181.4/22

All: 290.593+/-0.047 χ^2/NDF: 9480572.0/46

- sign 274.167+/-0.064 χ^2/NDF: 5149356.7/23

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.315+/-0.254 χ^2/NDF:9.9/6

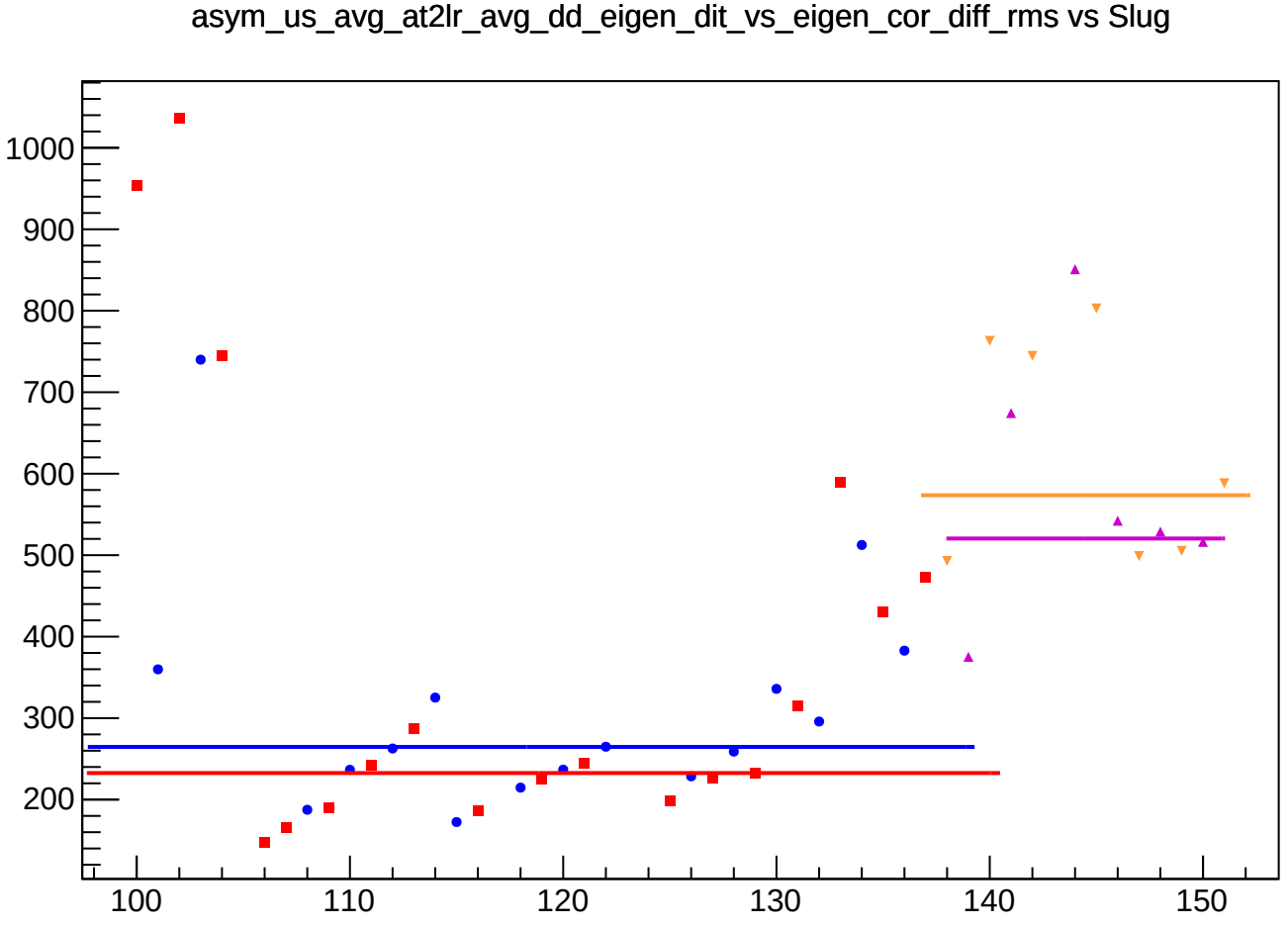
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.351+/-0.237 χ^2/NDF:7.8/5

+ sign 0.028+/-0.097 χ^2/NDF: 20.9/22

All: 0.025+/-0.066 χ^2/NDF: 53.4/46

- sign 0.022+/-0.090 χ^2/NDF: 32.6/23



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 573.553+/-0.180 χ^2/NDF:383258.8/6

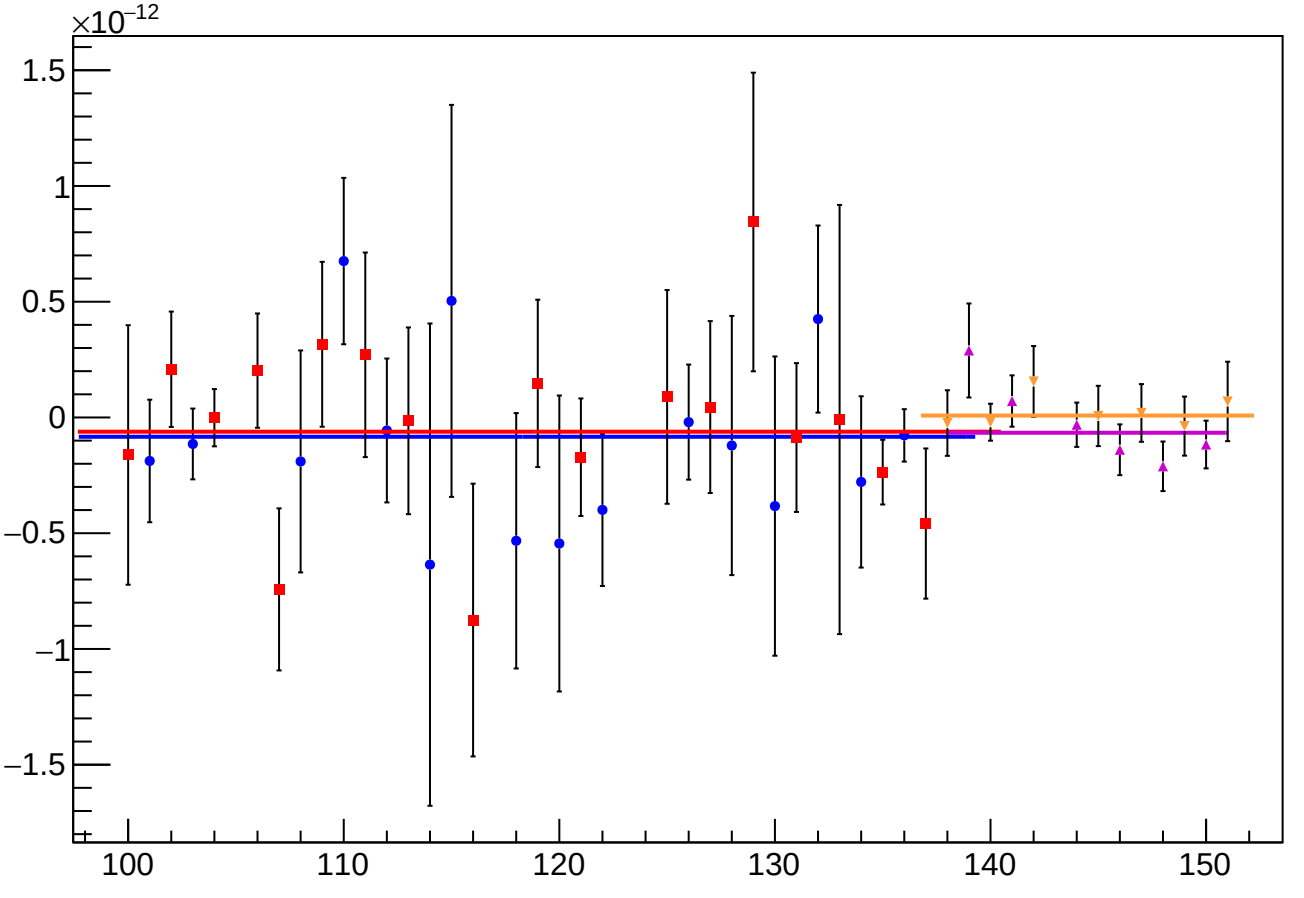
Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 520.435+/-0.168 χ^2/NDF:590856.6/5

+ sign 309.706+/-0.069 χ^2/NDF: 4187181.4/22

All: 290.593+/-0.047 χ^2/NDF: 9480572.0/46

- sign 274.167+/-0.064 χ^2/NDF: 5149356.7/23



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.4/6

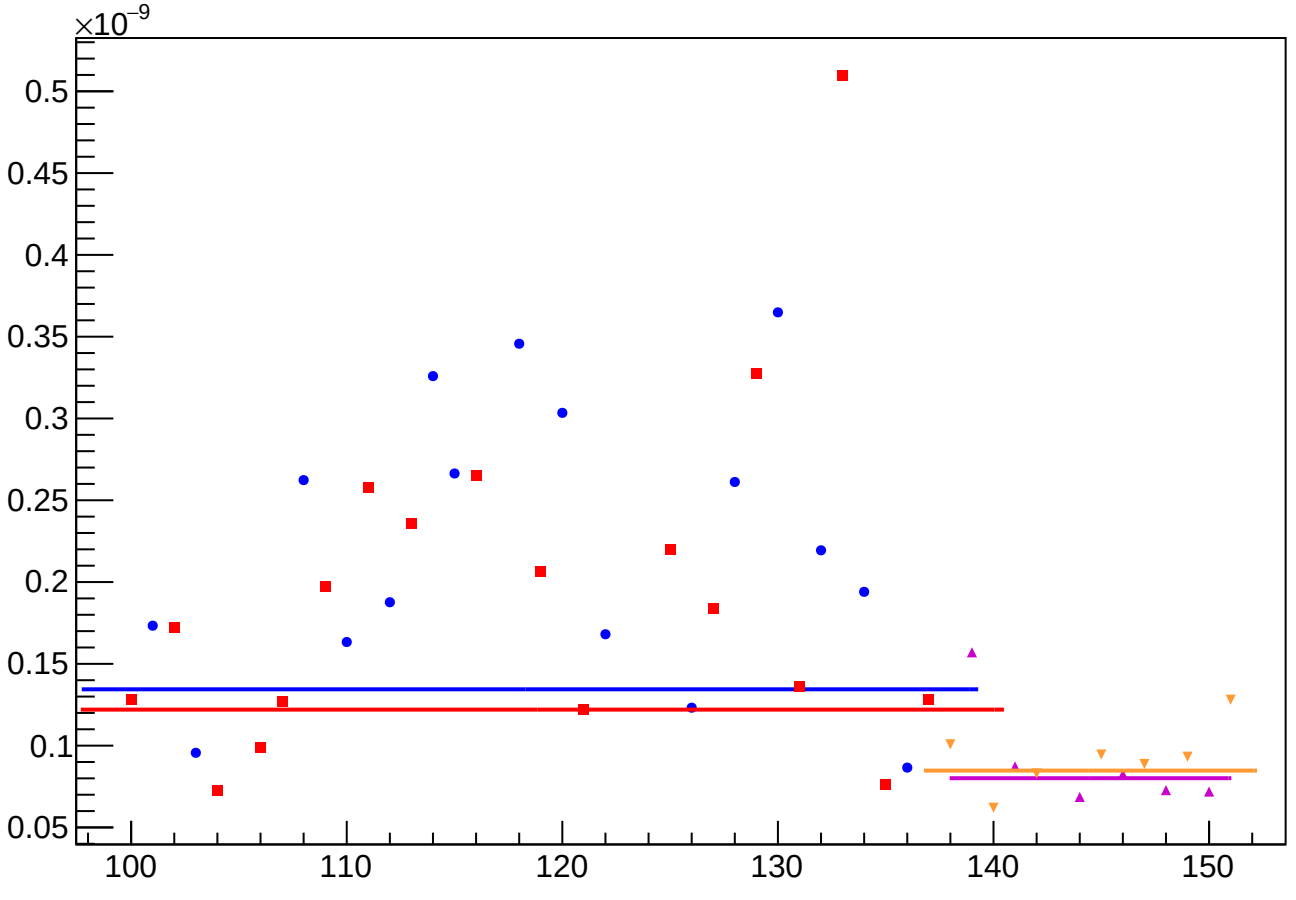
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: -0.000+/-0.000 χ^2/NDF:7.2/5

+ sign -0.000+/-0.000 χ^2/NDF: 12.3/22

All: -0.000+/-0.000 χ^2/NDF: 36.0/46

- sign -0.000+/-0.000 χ^2/NDF: 23.0/23



Right In: 0.000+/-0.000 χ^2/NDF: 1814968.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:337553.8/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2003381.5/17

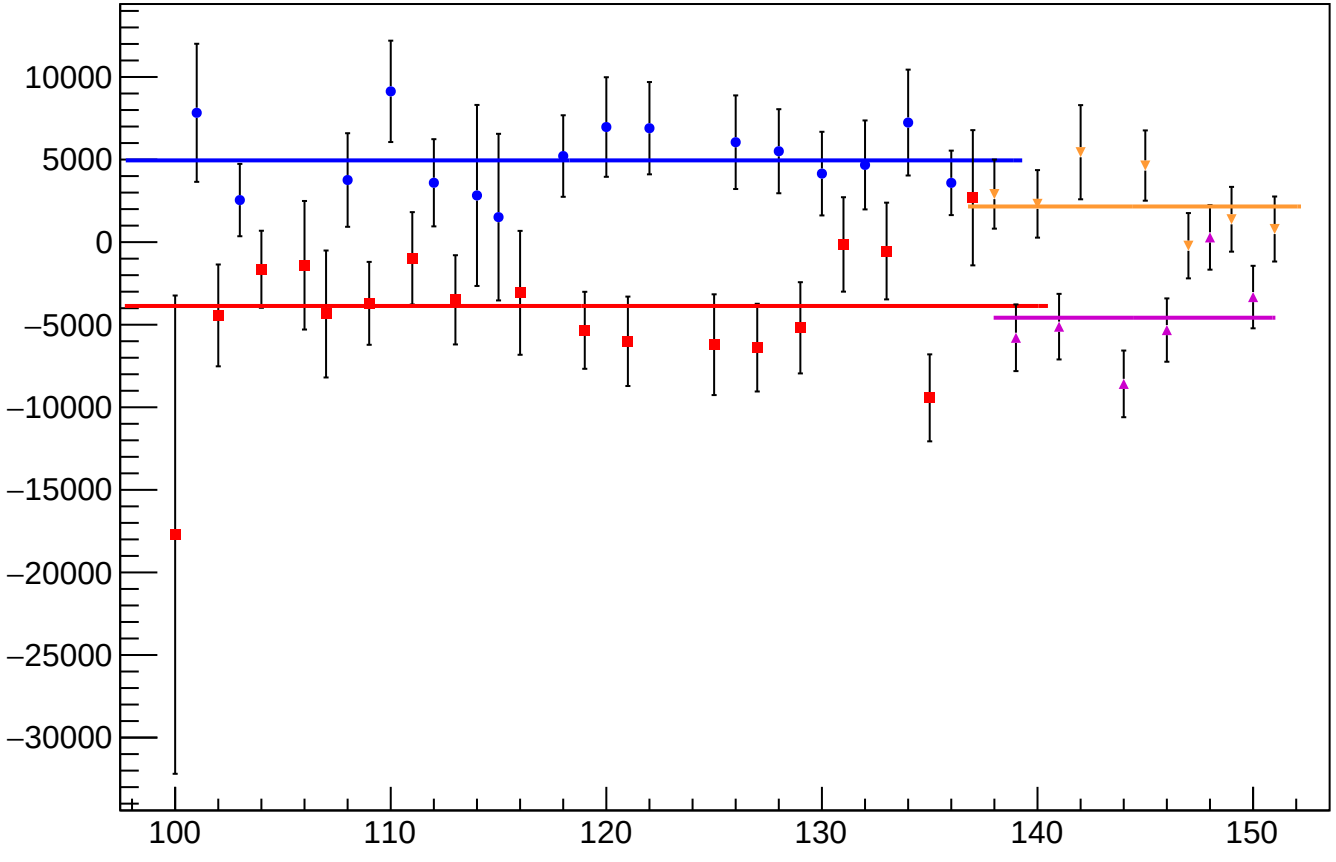
Left In: 0.000+/-0.000 χ^2/NDF:347367.9/5

+ sign 0.000+/-0.000 χ^2/NDF: 2868531.6/22

All: 0.000+/-0.000 χ^2/NDF: 5807408.9/46

- sign 0.000+/-0.000 χ^2/NDF: 2913432.4/23

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 2158.878+/-794.187 χ^2/NDF:4.9/6

Right Out: -3865.145+/-695.781 χ^2/NDF: 16.2/17

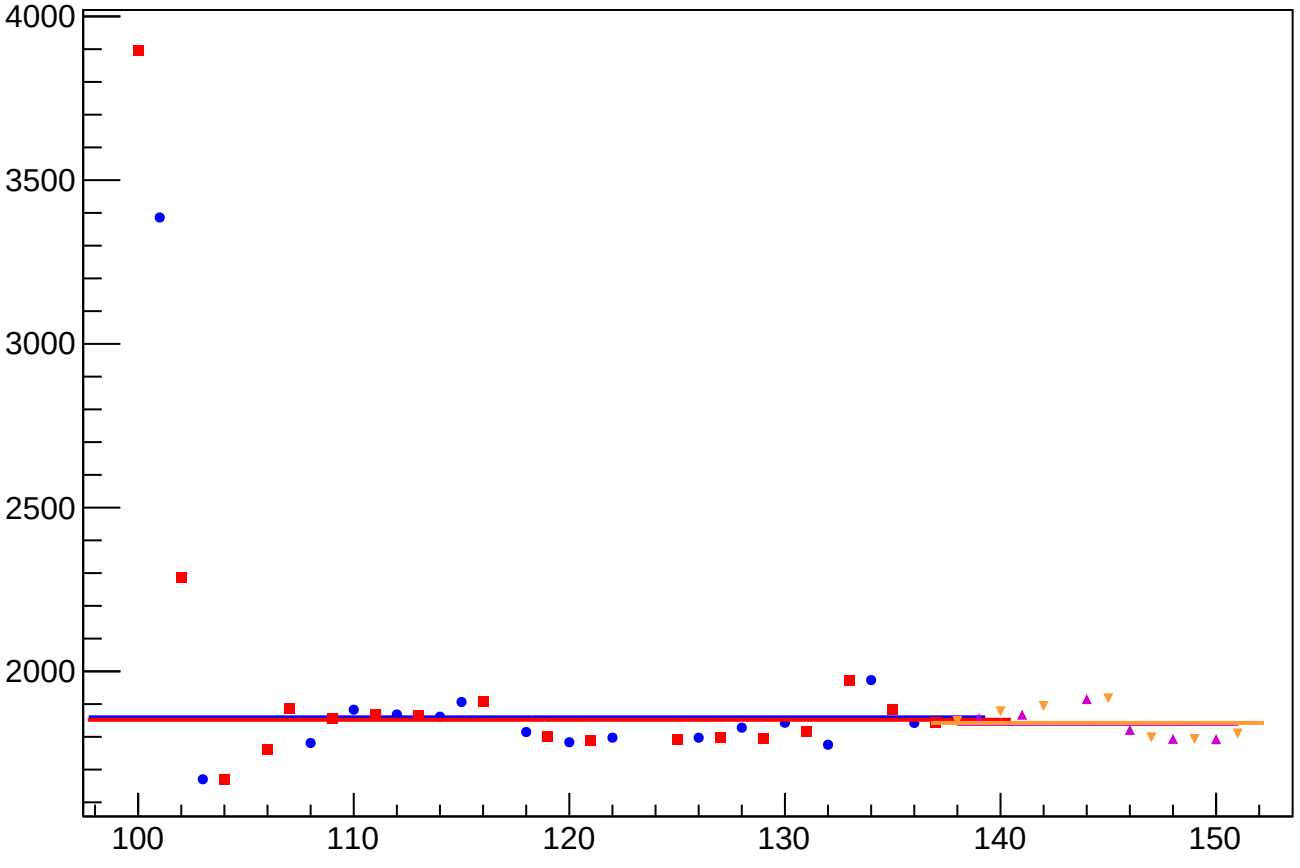
Left In: -4576.977+/-801.459 χ^2/NDF:11.2/5

+ sign 3731.951+/-524.684 χ^2/NDF: 18.7/22

All: -214.096+/-371.264 χ^2/NDF: 159.8/46

- sign -4171.067+/-525.410 χ^2/NDF: 27.8/23

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

Left Out: 1842.517+/-0.562 χ^2/NDF:6551.2/6

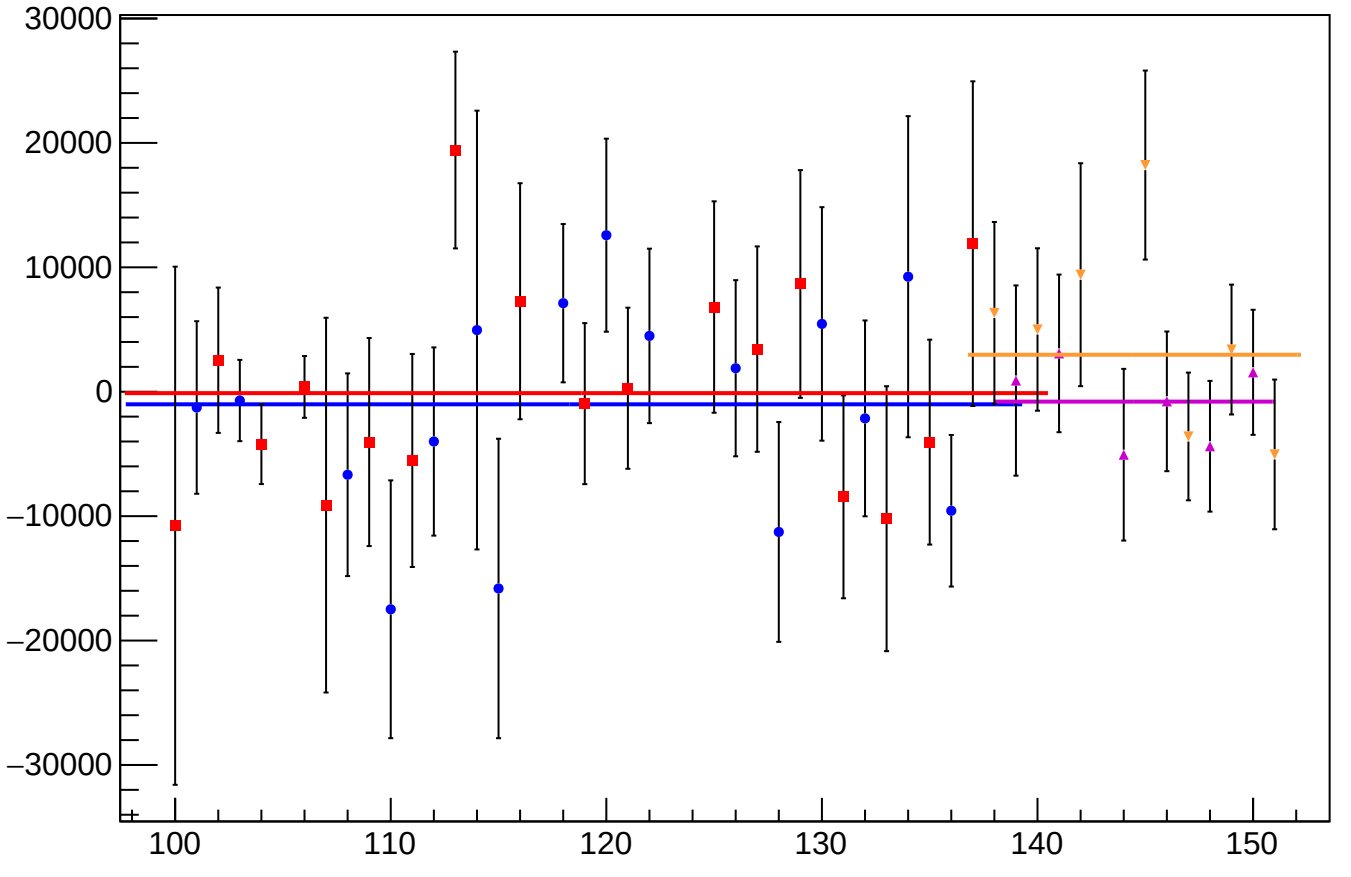
Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1839.613+/-0.567 χ^2/NDF:5844.3/5

+ sign 1852.093+/-0.371 χ^2/NDF: 299401.8/22

All: 1849.411+/-0.262 χ^2/NDF: 407839.0/46

- sign 1846.732+/-0.371 χ^2/NDF: 108332.9/23



Right In: -1010.288+/-1764.180 χ^2/NDF: 14.7/15

Left Out: 2971.166+/-2395.548 χ^2/NDF:8.3/6

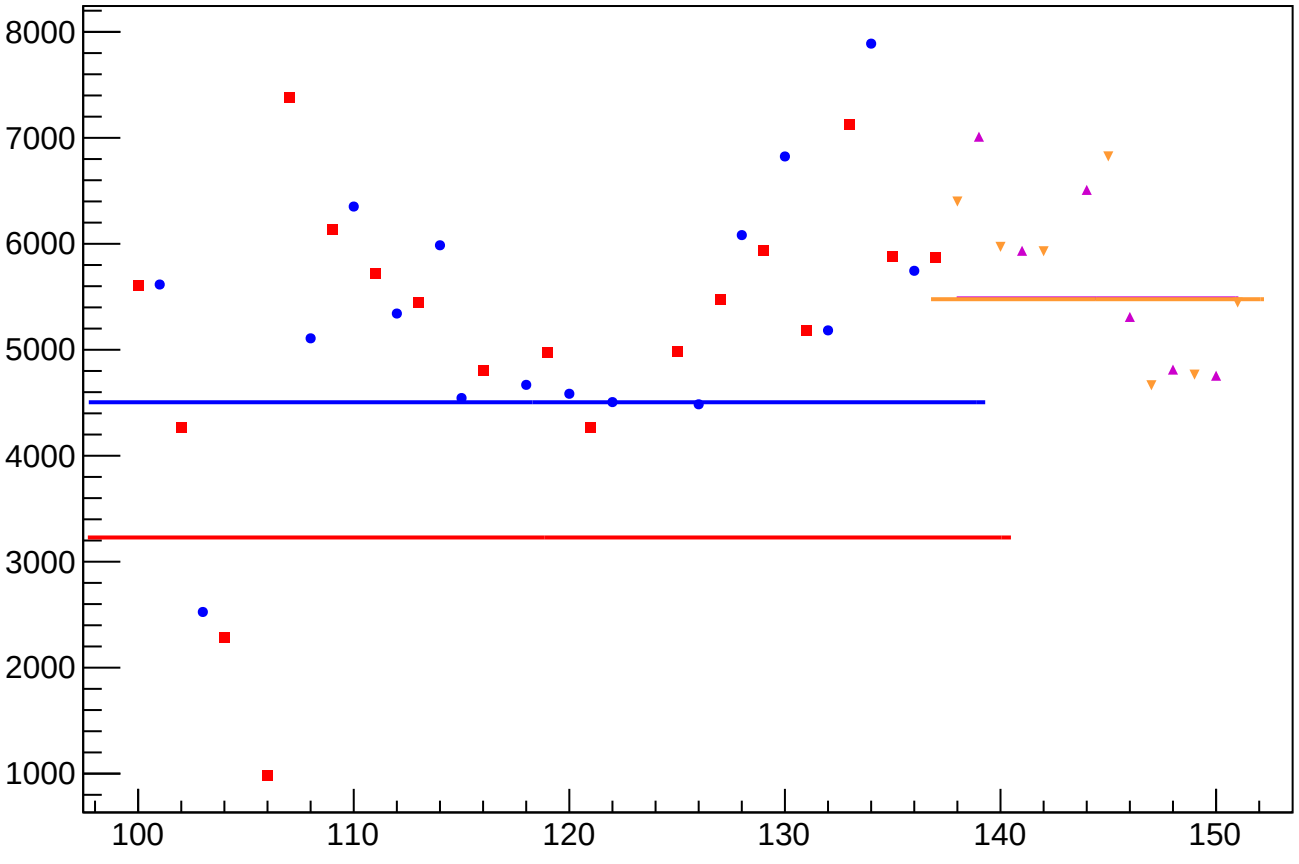
Right Out: -111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: -794.667+/-2421.498 χ^2/NDF:1.5/5

+ sign 389.739+/-1420.535 χ^2/NDF: 24.8/22

All: 3.348+/-932.768 χ^2/NDF: 41.1/46

- sign -289.528+/-1236.746 χ^2/NDF: 16.2/23



Right In: 4504.788+/-1.247 χ^2/NDF: 1321104.9/15

Left Out: 5477.216+/-1.694 χ^2/NDF:198625.8/6

Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

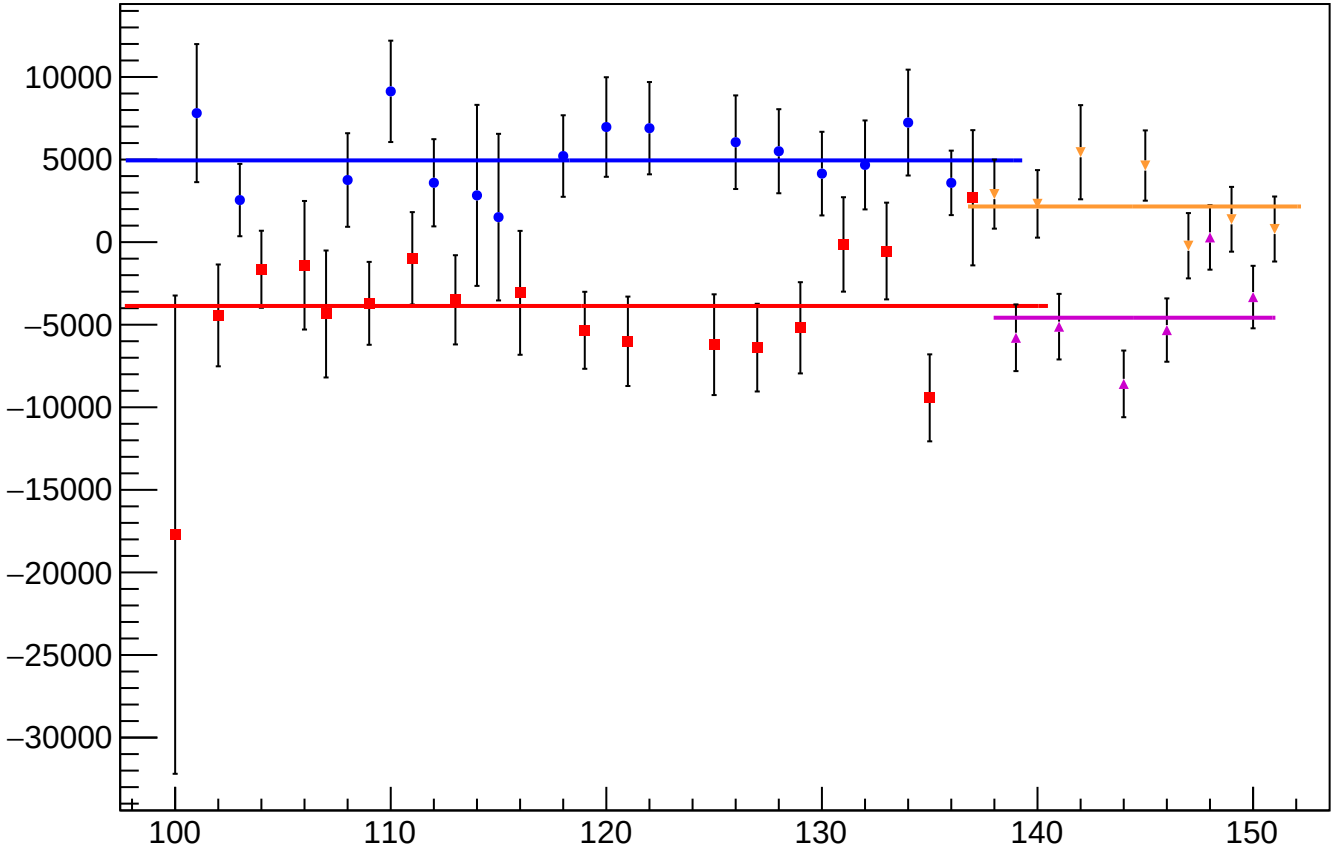
Left In: 5485.259+/-1.712 χ^2/NDF:210542.6/5

+ sign 4846.730+/-1.004 χ^2/NDF: 1733405.6/22

All: 4261.128+/-0.660 χ^2/NDF: 7781730.6/46

- sign 3817.255+/-0.875 χ^2/NDF: 5450817.4/23

cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 2158.722+/-794.187 χ^2/NDF:4.9/6

Right Out: -3864.930+/-695.781 χ^2/NDF: 16.2/17

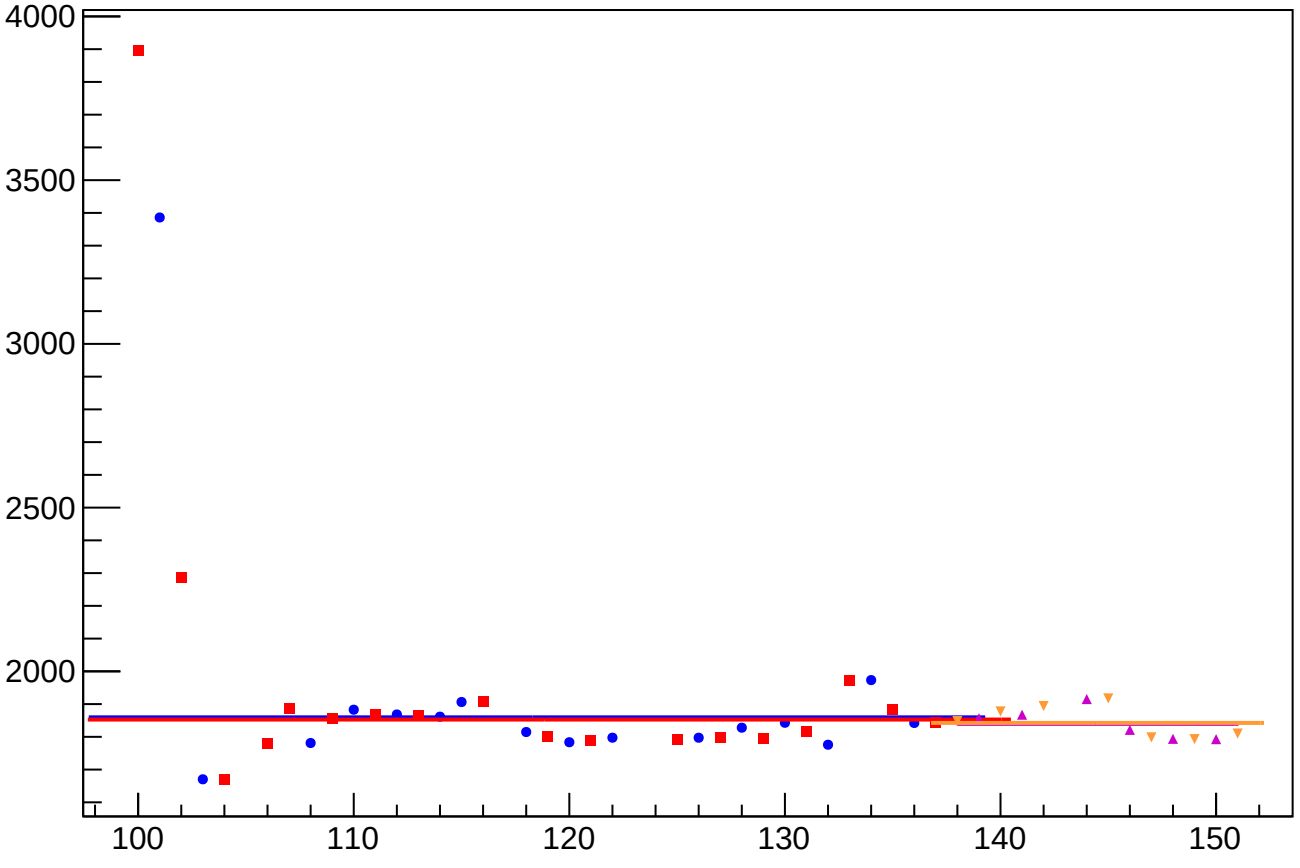
Left In: -4577.276+/-801.459 χ^2/NDF:11.2/5

+ sign 3731.611+/-524.684 χ^2/NDF: 18.7/22

All: -214.269+/-371.264 χ^2/NDF: 159.7/46

- sign -4171.073+/-525.410 χ^2/NDF: 27.8/23

cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1842.517+/-0.562 χ^2/NDF:6551.2/6

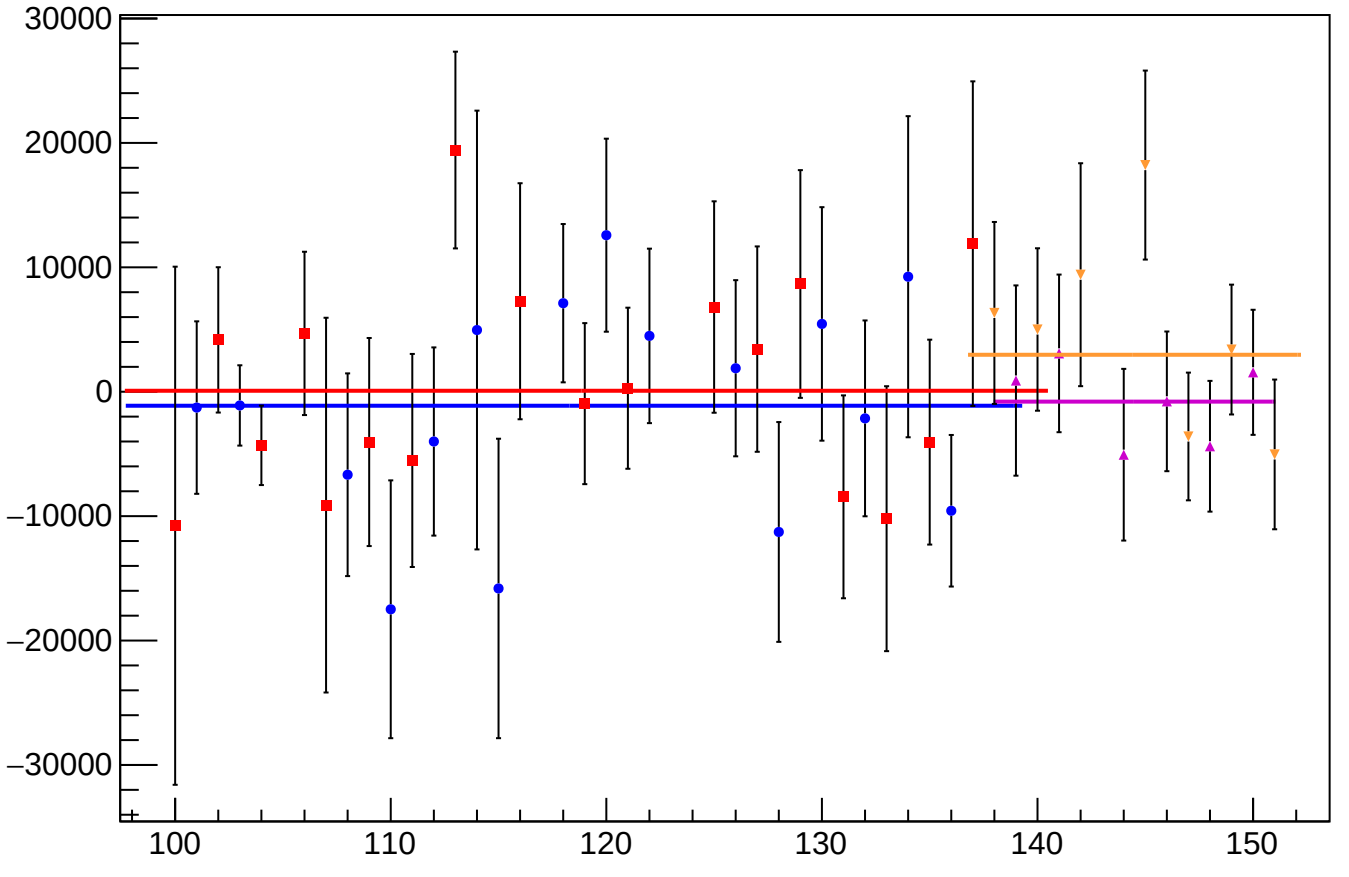
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1839.613+/-0.567 χ^2/NDF:5844.3/5

+ sign 1852.093+/-0.371 χ^2/NDF: 299403.6/22

All: 1849.613+/-0.262 χ^2/NDF: 407395.9/46

- sign 1847.133+/-0.371 χ^2/NDF: 107902.9/23



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: 2971.033+/-2395.544 χ^2/NDF:8.3/6

Right Out: 78.270+/-1702.444 χ^2/NDF: 15.5/17

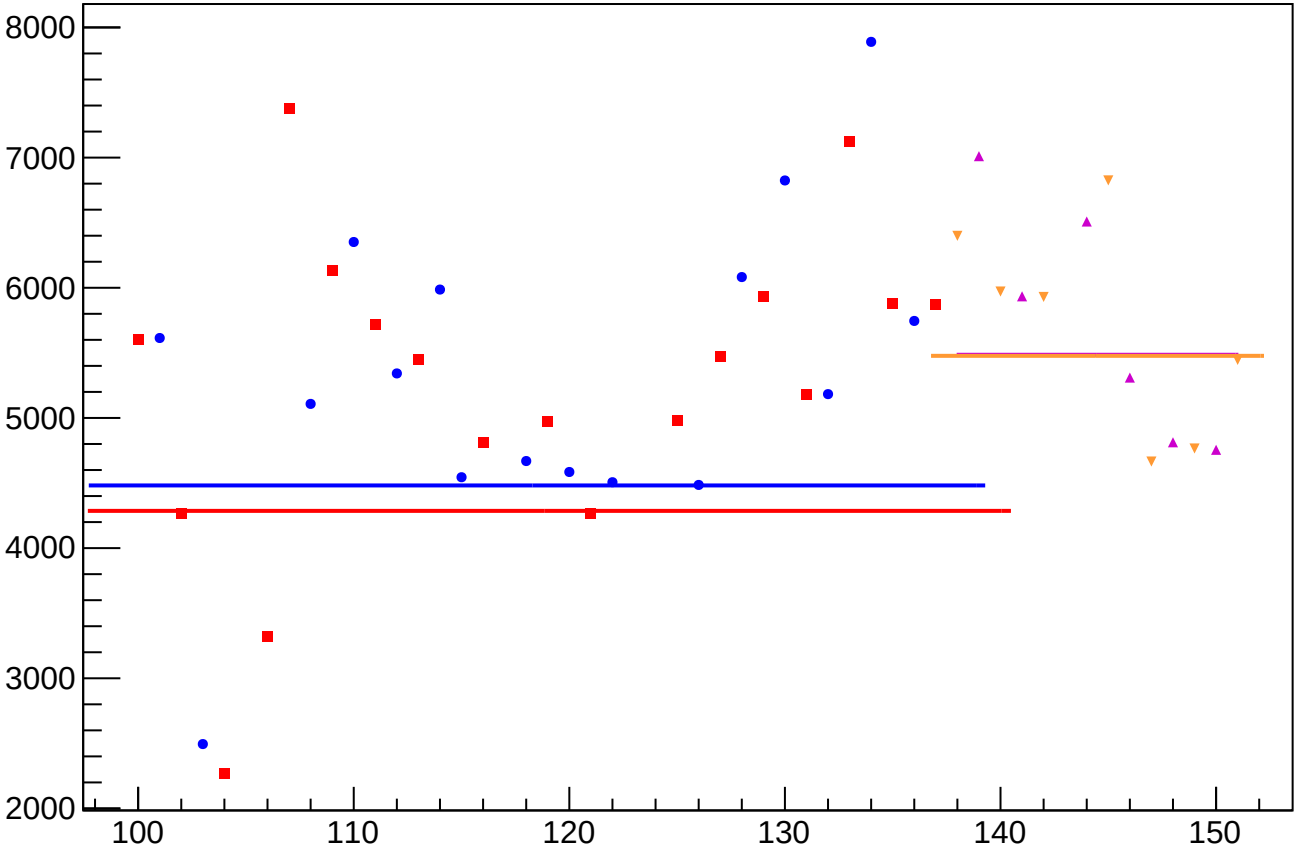
Left In: -794.820+/-2421.497 χ^2/NDF:1.5/5

+ sign 308.272+/-1417.237 χ^2/NDF: 24.9/22

All: 44.338+/-993.347 χ^2/NDF: 42.1/46

- sign -210.534+/-1392.695 χ^2/NDF: 17.1/23

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 5477.207+/-1.694 χ^2/NDF:198625.7/6

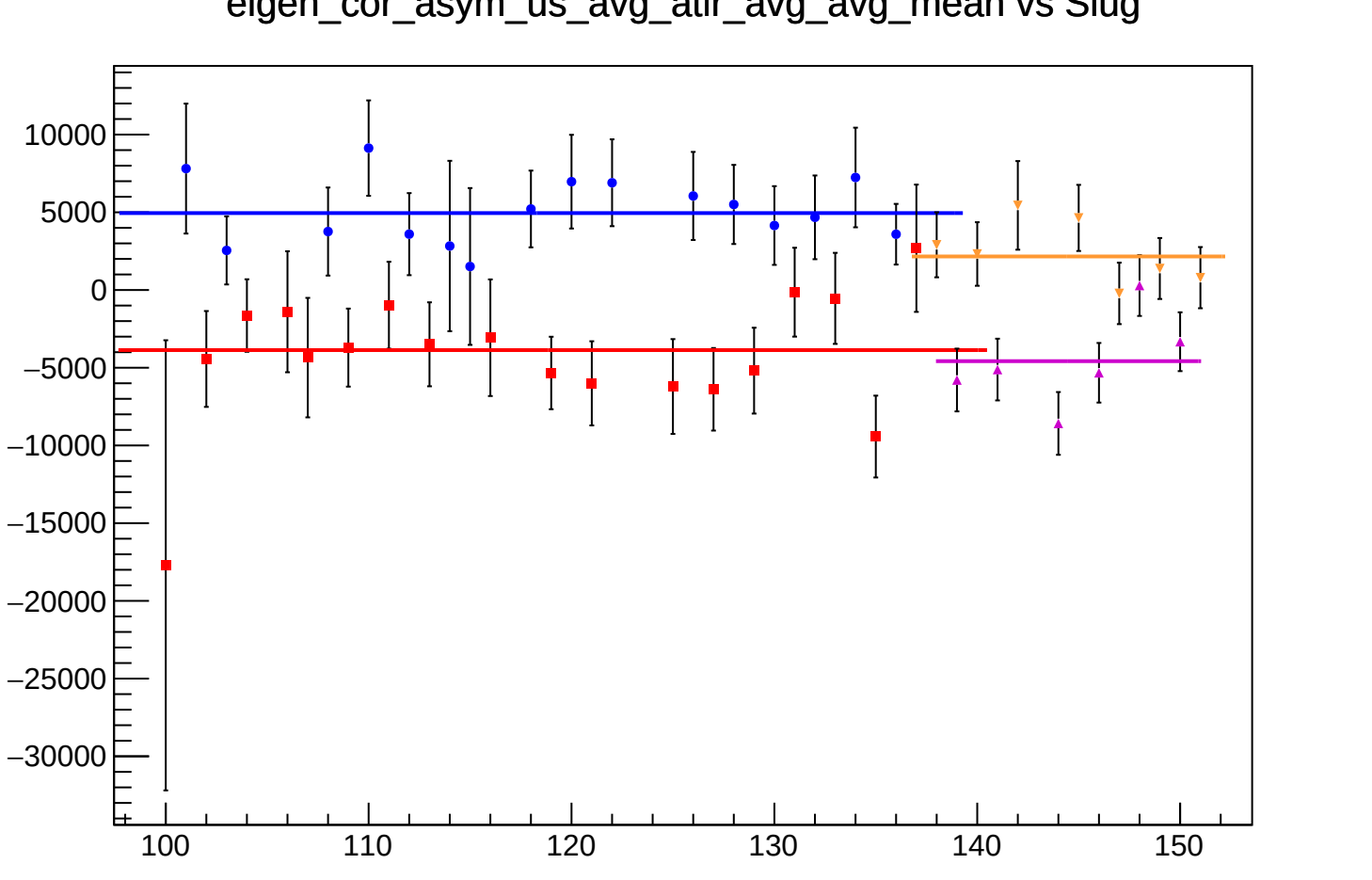
Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 5485.256+/-1.712 χ^2/NDF:210543.3/5

+ sign 4830.016+/-1.002 χ^2/NDF: 1785464.0/22

All: 4755.111+/-0.702 χ^2/NDF: 3885059.4/46

- sign 4682.778+/-0.985 χ^2/NDF: 2088613.6/23



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 2158.722+/-794.187 χ^2/NDF:4.9/6

Right Out: -3864.930+/-695.781 χ^2/NDF: 16.2/17

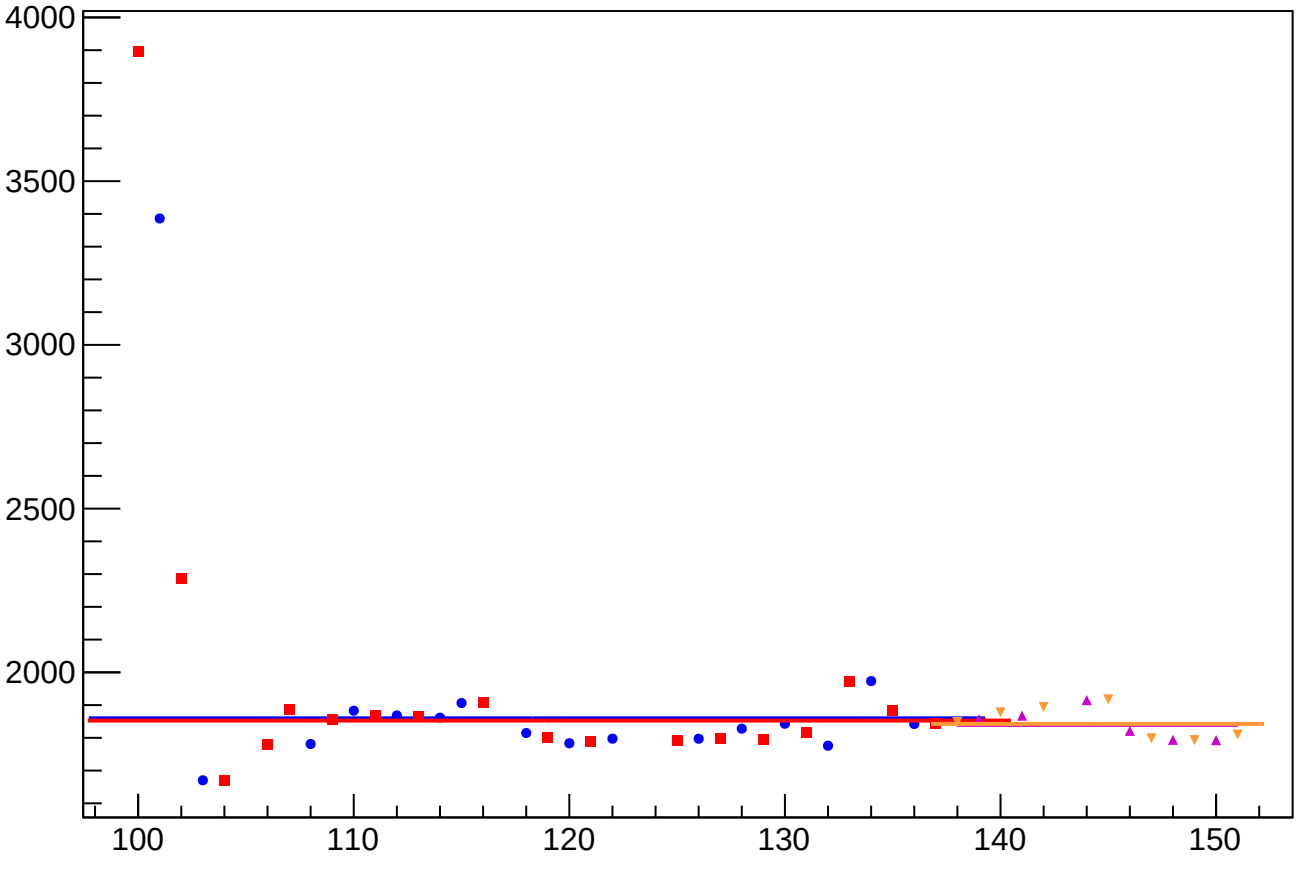
Left In: -4577.276+/-801.459 χ^2/NDF:11.2/5

+ sign 3731.611+/-524.684 χ^2/NDF: 18.7/22

All: -214.269+/-371.264 χ^2/NDF: 159.7/46

- sign -4171.073+/-525.410 χ^2/NDF: 27.8/23

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1842.517+/-0.562 χ^2/NDF:6551.2/6

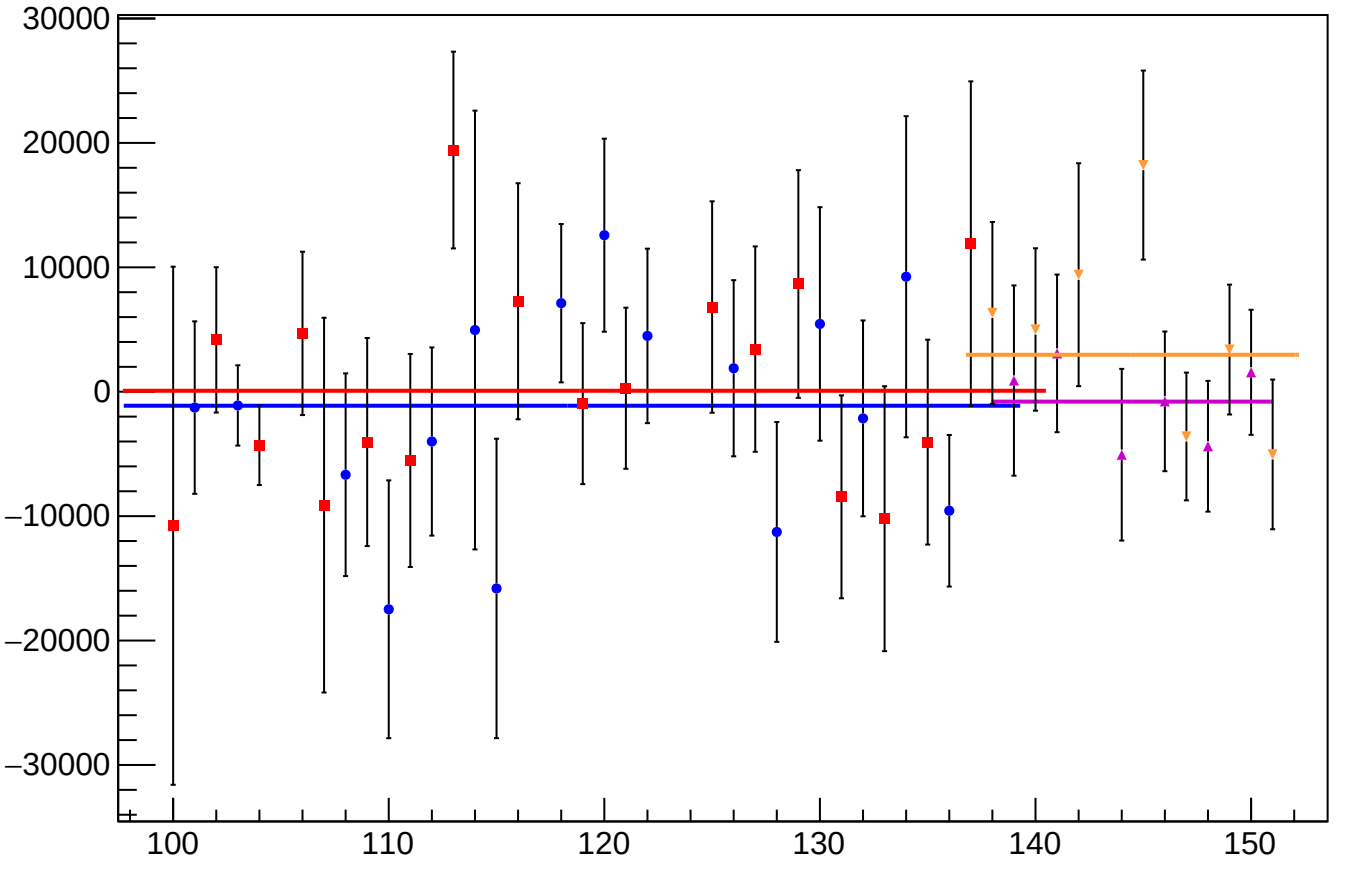
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1839.613+/-0.567 χ^2/NDF:5844.3/5

+ sign 1852.093+/-0.371 χ^2/NDF: 299403.6/22

All: 1849.613+/-0.262 χ^2/NDF: 407395.9/46

- sign 1847.133+/-0.371 χ^2/NDF: 107902.9/23



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: 2971.033+/-2395.544 χ^2/NDF:8.3/6

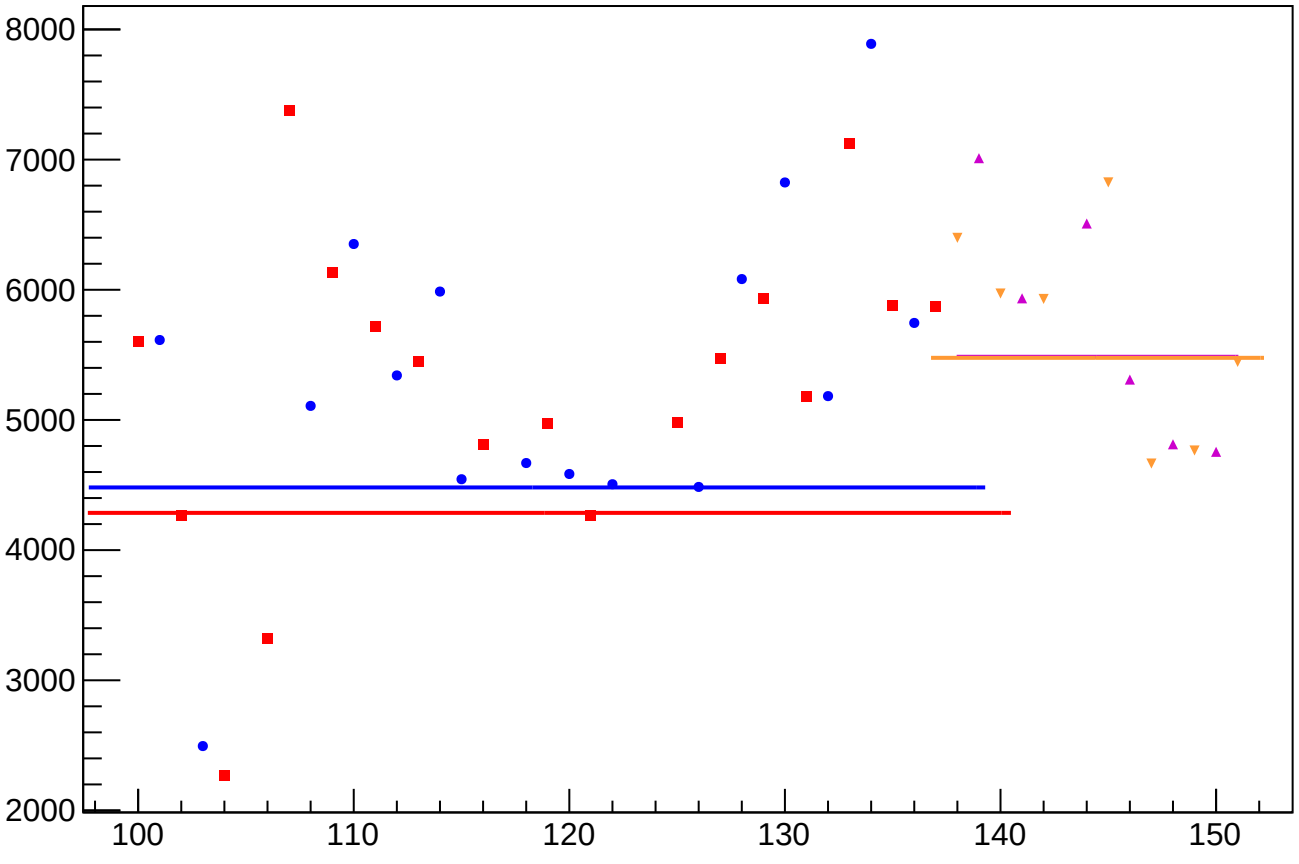
Right Out: 78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: -794.820+/-2421.497 χ^2/NDF:1.5/5

+ sign 308.272+/-1417.237 χ^2/NDF: 24.9/22

All: 44.338+/-993.347 χ^2/NDF: 42.1/46

- sign -210.534+/-1392.695 χ^2/NDF: 17.1/23



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 5477.207+/-1.694 χ^2/NDF:198625.7/6

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

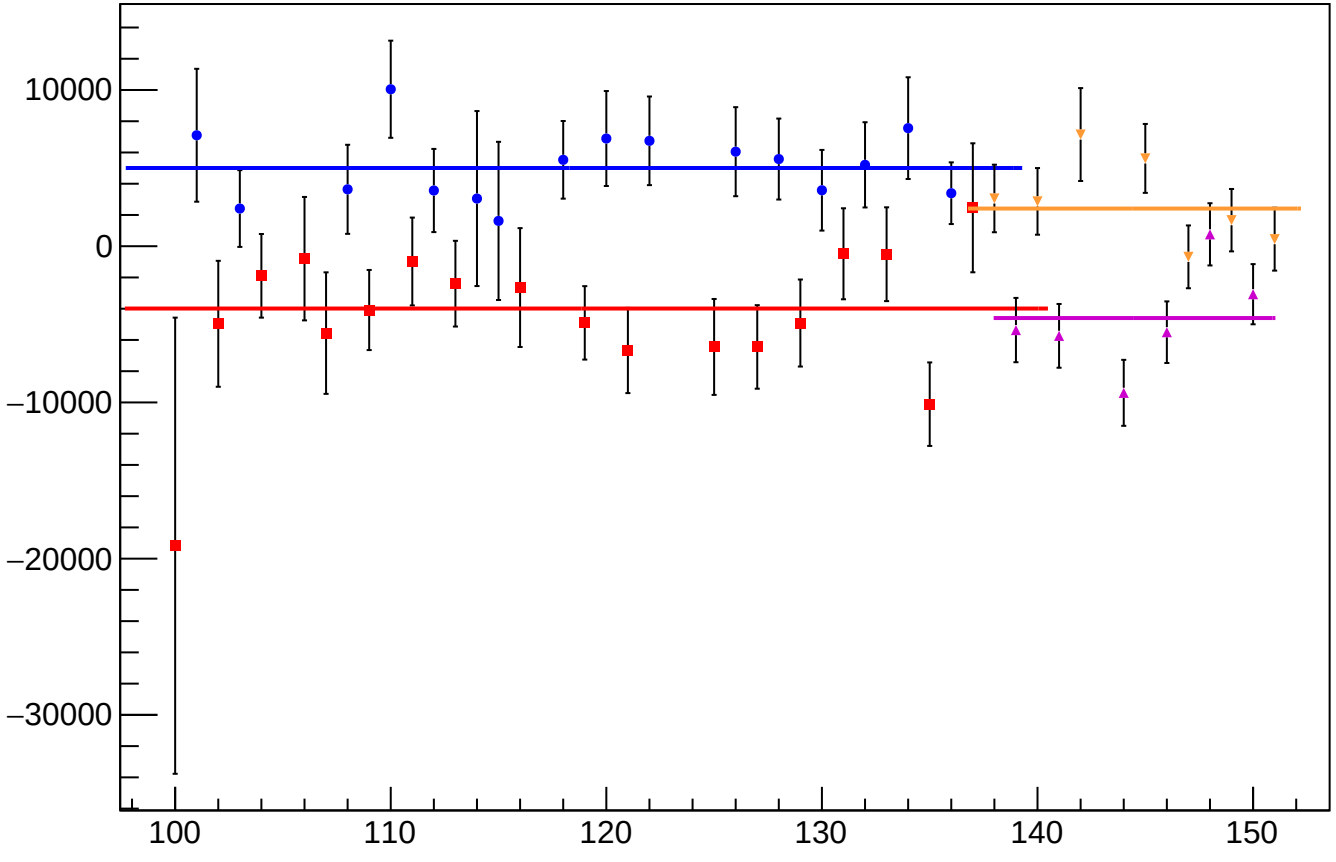
Left In: 5485.256+/-1.712 χ^2/NDF:210543.3/5

+ sign 4830.016+/-1.002 χ^2/NDF: 1785464.0/22

All: 4755.111+/-0.702 χ^2/NDF: 3885059.4/46

- sign 4682.778+/-0.985 χ^2/NDF: 2088613.6/23

dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 2410.947+/-817.291 χ^2/NDF:8.2/6

Right Out: -3989.193+/-719.024 χ^2/NDF: 17.4/17

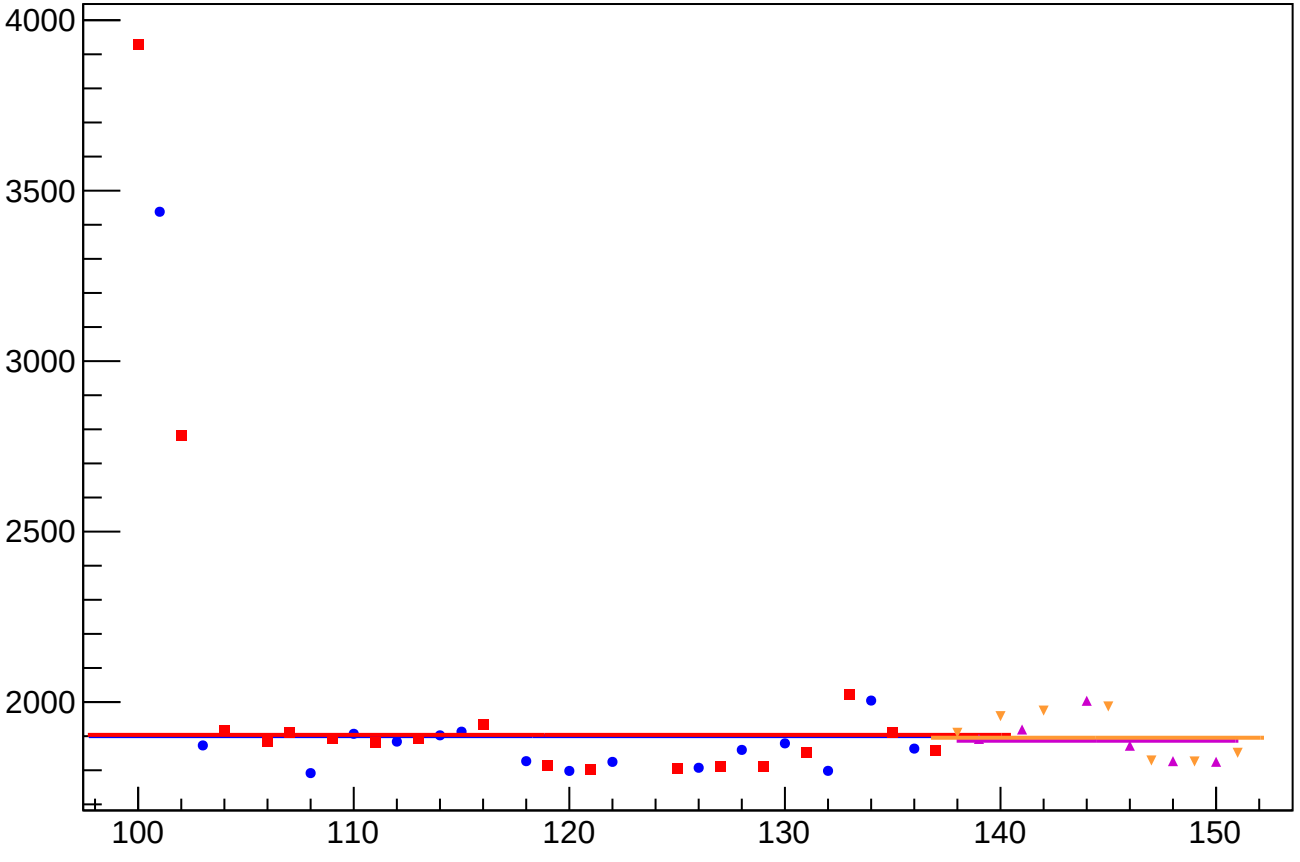
Left In: -4598.011+/-822.226 χ^2/NDF:13.7/5

+ sign 3883.362+/-537.734 χ^2/NDF: 21.6/22

All: -158.246+/-381.476 χ^2/NDF: 166.7/46

- sign -4253.018+/-541.259 χ^2/NDF: 31.3/23

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1895.406+/-0.578 χ^2/NDF:12334.8/6

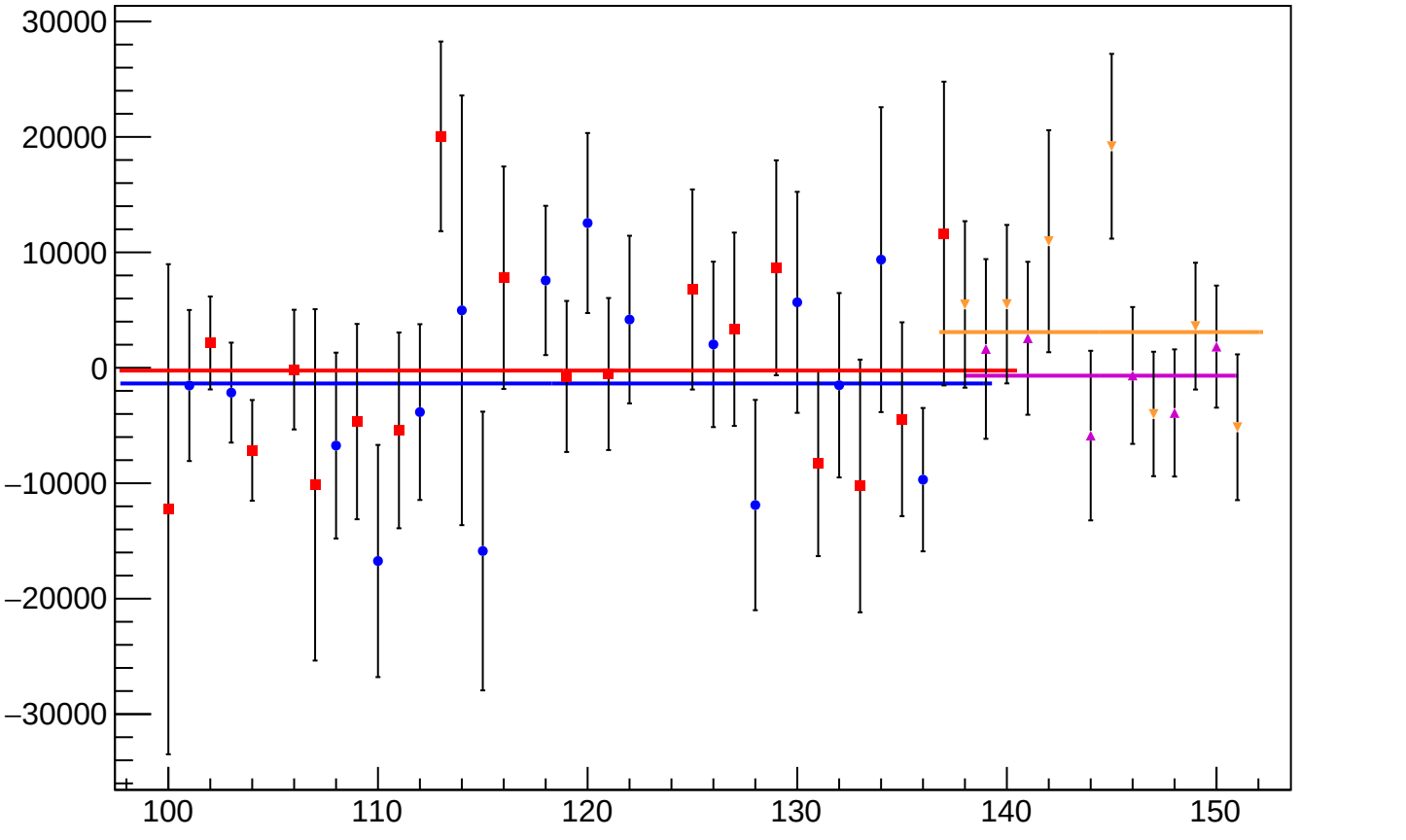
Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1886.622+/-0.581 χ^2/NDF:10661.2/5

+ sign 1898.074+/-0.380 χ^2/NDF: 290820.6/22

All: 1897.232+/-0.270 χ^2/NDF: 452104.2/46

- sign 1896.380+/-0.382 χ^2/NDF: 161273.7/23



Right In: -1356.615+/-1895.990 χ^2/NDF: 14.7/15

Left Out: 3094.041+/-2503.546 χ^2/NDF:8.4/6

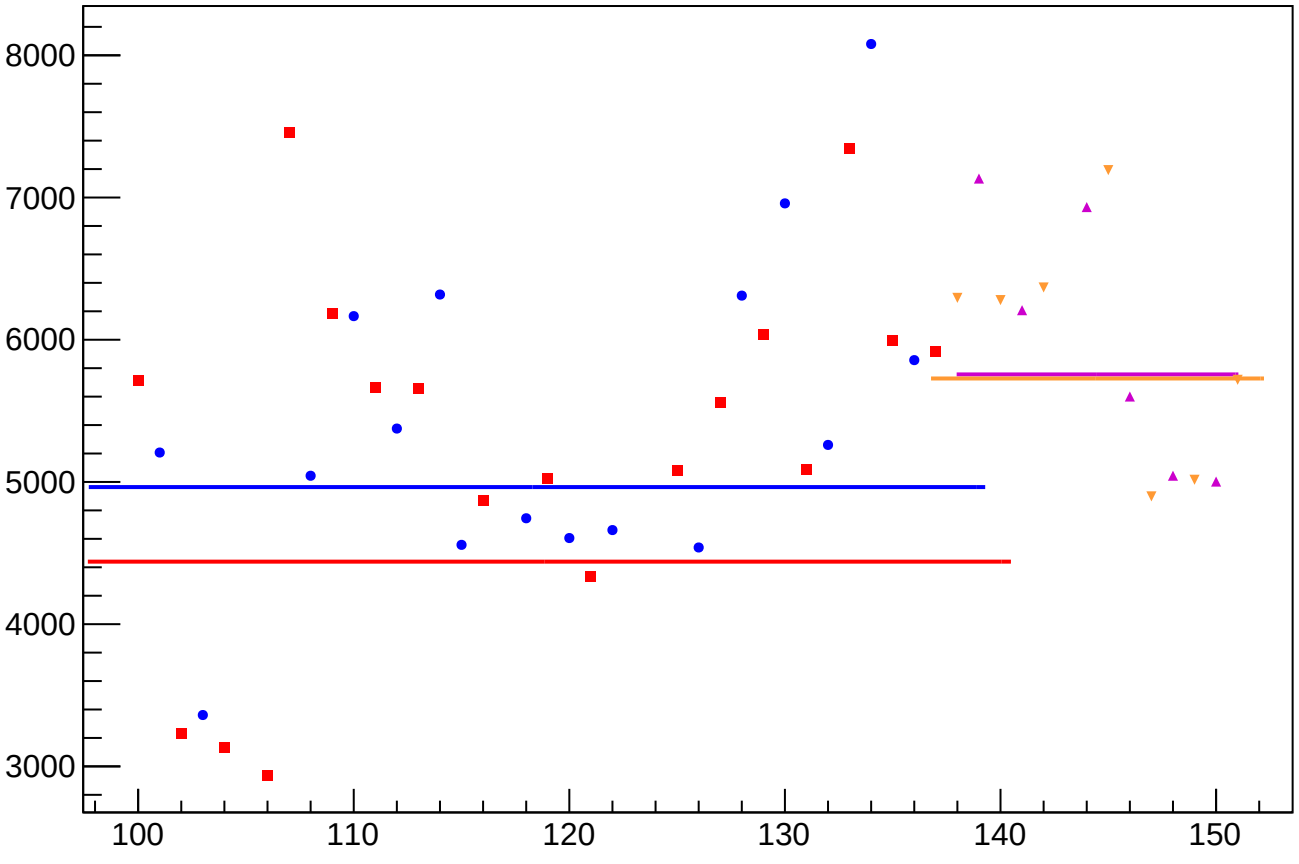
Right Out: -241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: -682.649+/-2539.656 χ^2/NDF:1.4/5

+ sign 265.599+/-1511.464 χ^2/NDF: 25.1/22

All: -76.891+/-1034.903 χ^2/NDF: 42.4/46

- sign -379.170+/-1419.965 χ^2/NDF: 17.1/23



Right In: 4963.998+/-1.341 χ^2/NDF: 627377.0/15

Left Out: 5727.556+/-1.770 χ^2/NDF:182080.3/6

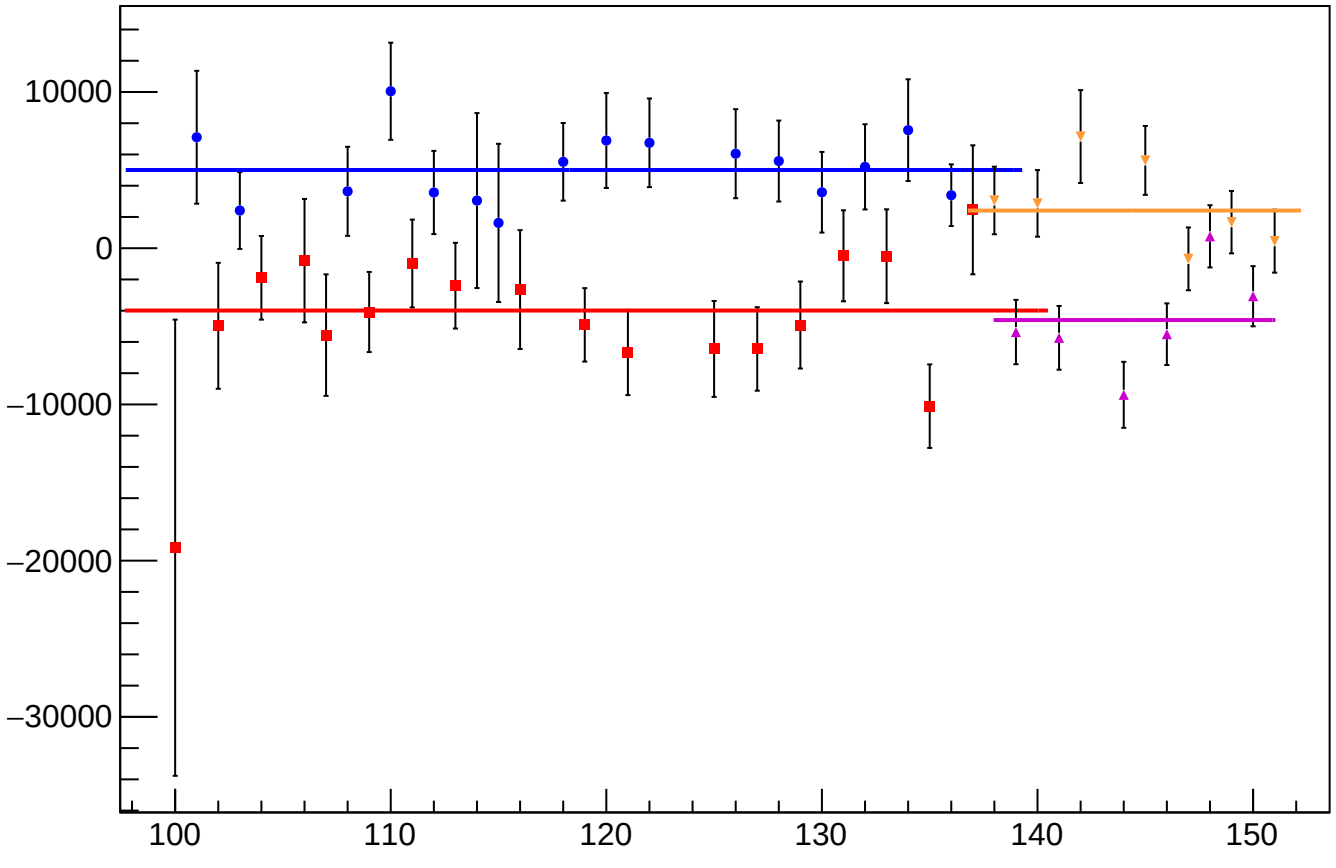
Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 5756.097+/-1.796 χ^2/NDF:198696.4/5

+ sign 5242.307+/-1.069 χ^2/NDF: 927686.9/22

All: 5034.560+/-0.732 χ^2/NDF: 2725404.4/46

- sign 4851.204+/-1.004 χ^2/NDF: 1726586.2/23



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 2410.952+/-817.291 χ^2/NDF:8.2/6

Right Out: -3989.192+/-719.024 χ^2/NDF: 17.4/17

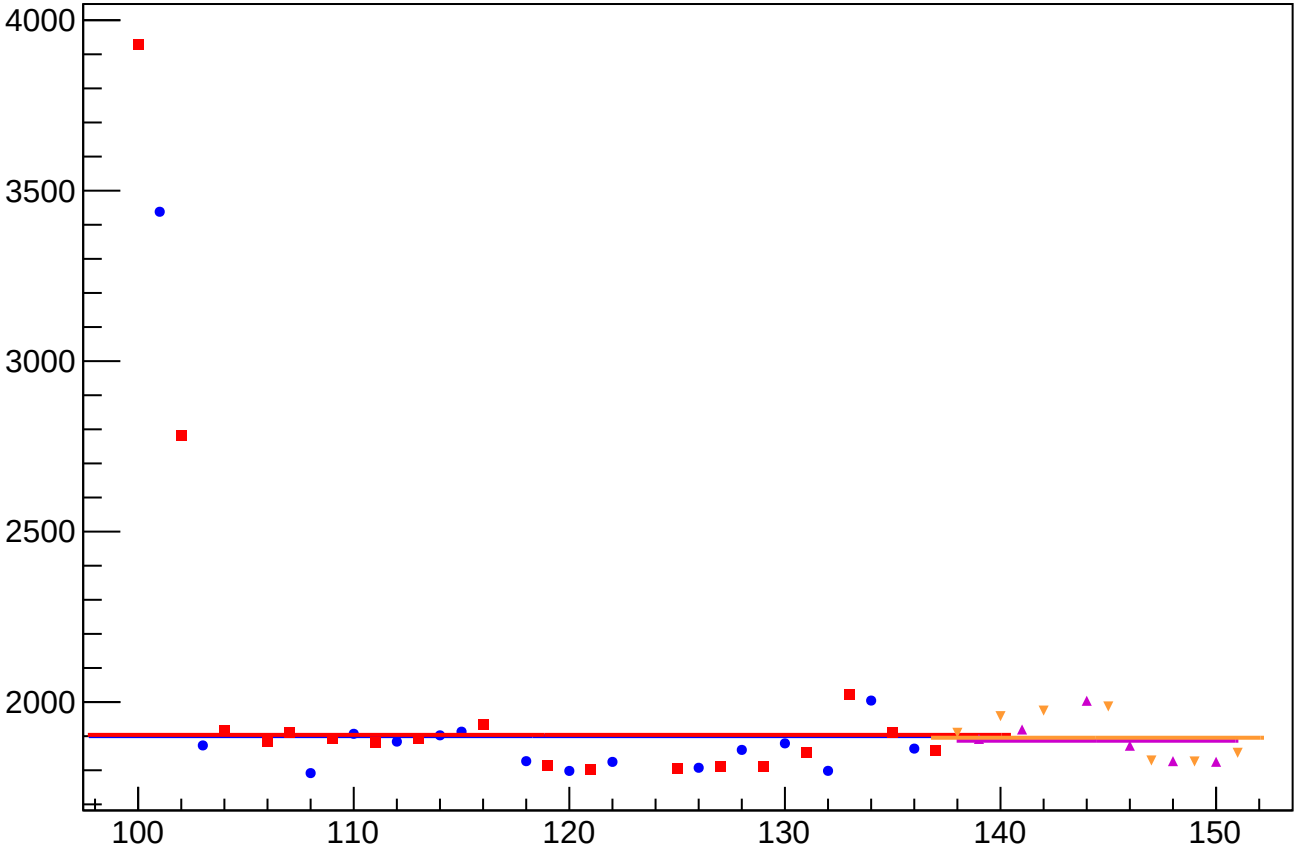
Left In: -4598.009+/-822.226 χ^2/NDF:13.7/5

+ sign 3883.364+/-537.734 χ^2/NDF: 21.6/22

All: -158.244+/-381.476 χ^2/NDF: 166.7/46

- sign -4253.016+/-541.259 χ^2/NDF: 31.3/23

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: 1895.407+/-0.578 χ^2/NDF:12335.0/6

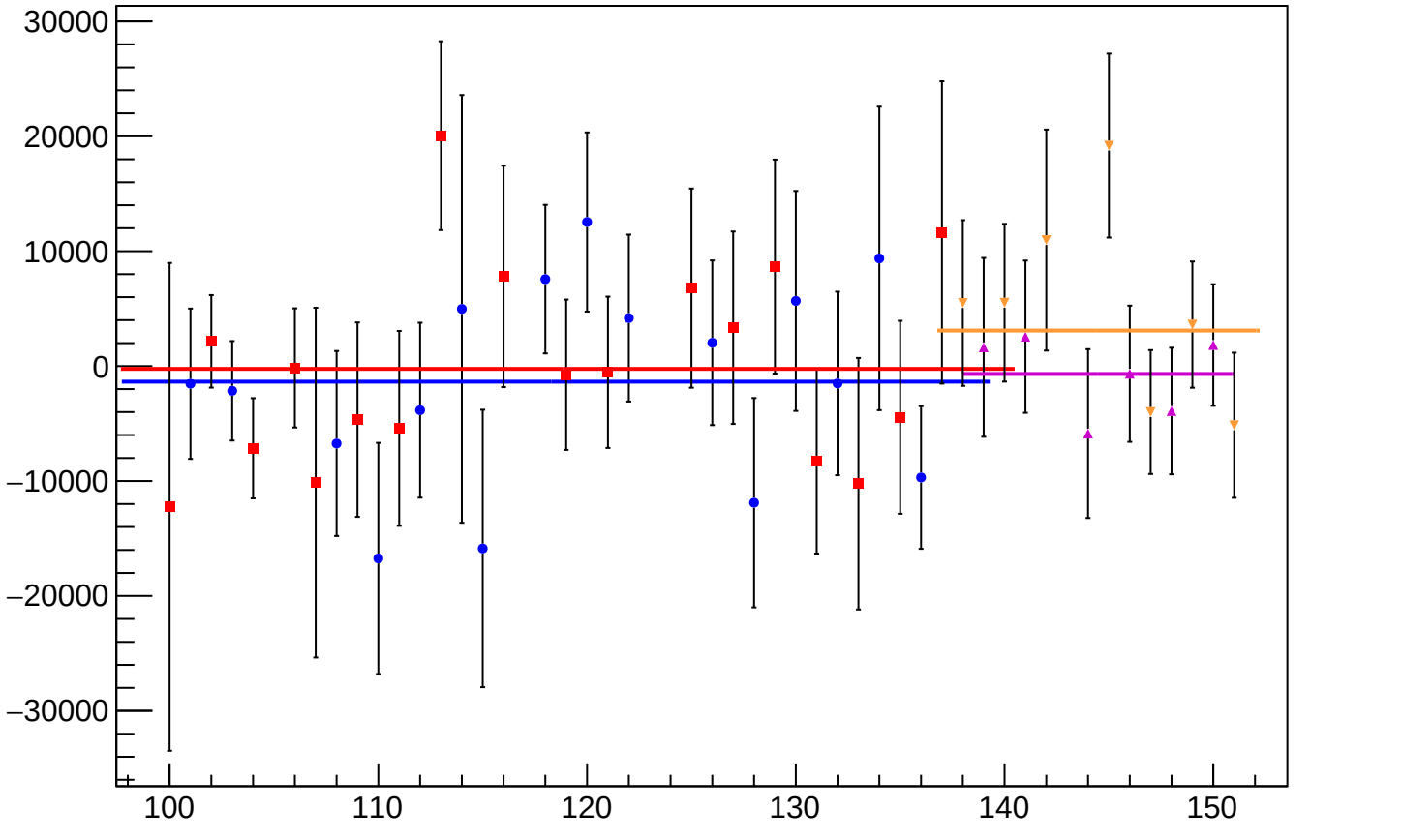
Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

Left In: 1886.623+/-0.581 χ^2/NDF:10661.3/5

+ sign 1898.074+/-0.380 χ^2/NDF: 290821.0/22

All: 1897.232+/-0.270 χ^2/NDF: 452103.9/46

- sign 1896.381+/-0.382 χ^2/NDF: 161273.0/23



Right In: -1356.604+/-1895.985 χ^2/NDF: 14.7/15

Left Out: 3094.038+/-2503.550 χ^2/NDF:8.4/6

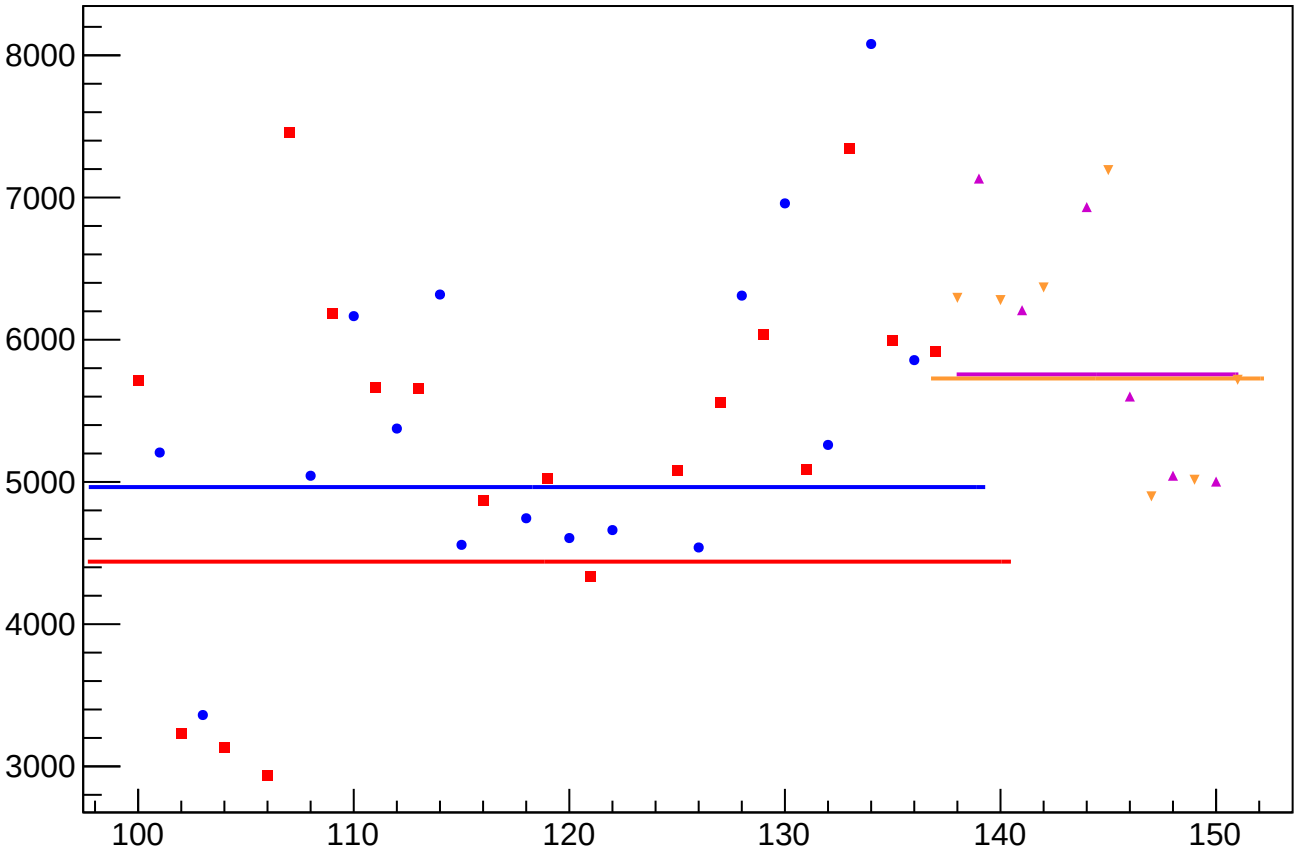
Right Out: -241.155+/-1712.677 χ^2/NDF: 15.7/17

Left In: -682.647+/-2539.660 χ^2/NDF:1.4/5

\+ sign 265.597+/-1511.462 χ^2/NDF: 25.1/22

All: -76.892+/-1034.901 χ^2/NDF: 42.4/46

\- sign -379.170+/-1419.963 χ^2/NDF: 17.1/23



Right In: 4963.985+/-1.341 χ^2/NDF: 627379.5/15

Left Out: 5727.564+/-1.770 χ^2/NDF:182081.6/6

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

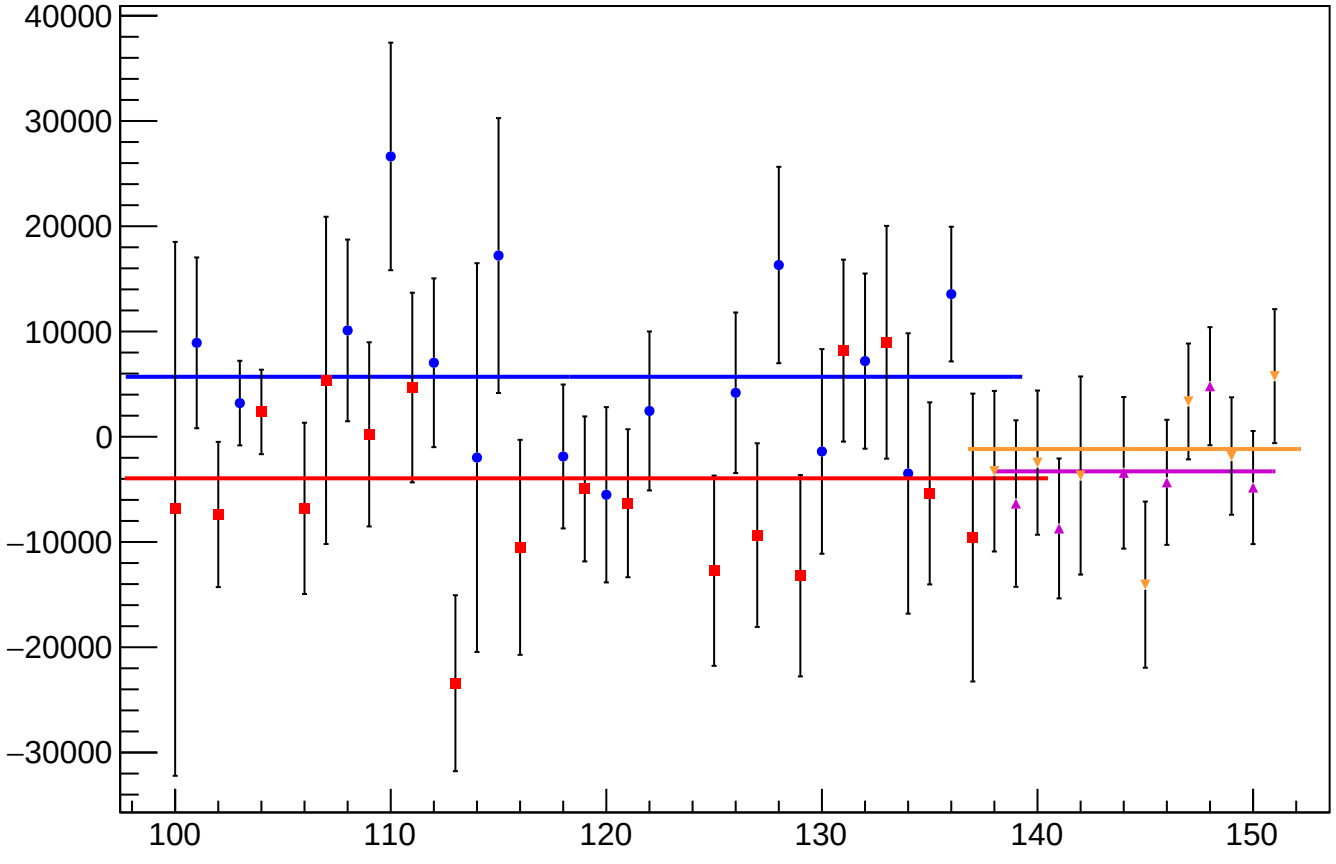
Left In: 5756.105+/-1.796 χ^2/NDF:198697.4/5

+ sign 5242.300+/-1.069 χ^2/NDF: 927697.2/22

All: 5034.552+/-0.732 χ^2/NDF: 2725426.5/46

- sign 4851.196+/-1.004 χ^2/NDF: 1726597.6/23

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5697.218+/-1959.214 χ^2/NDF: 12.6/15

Left Out: -1167.170+/-2534.202 χ^2/NDF:4.7/6

Right Out: -3949.394+/-1920.582 χ^2/NDF: 16.1/17

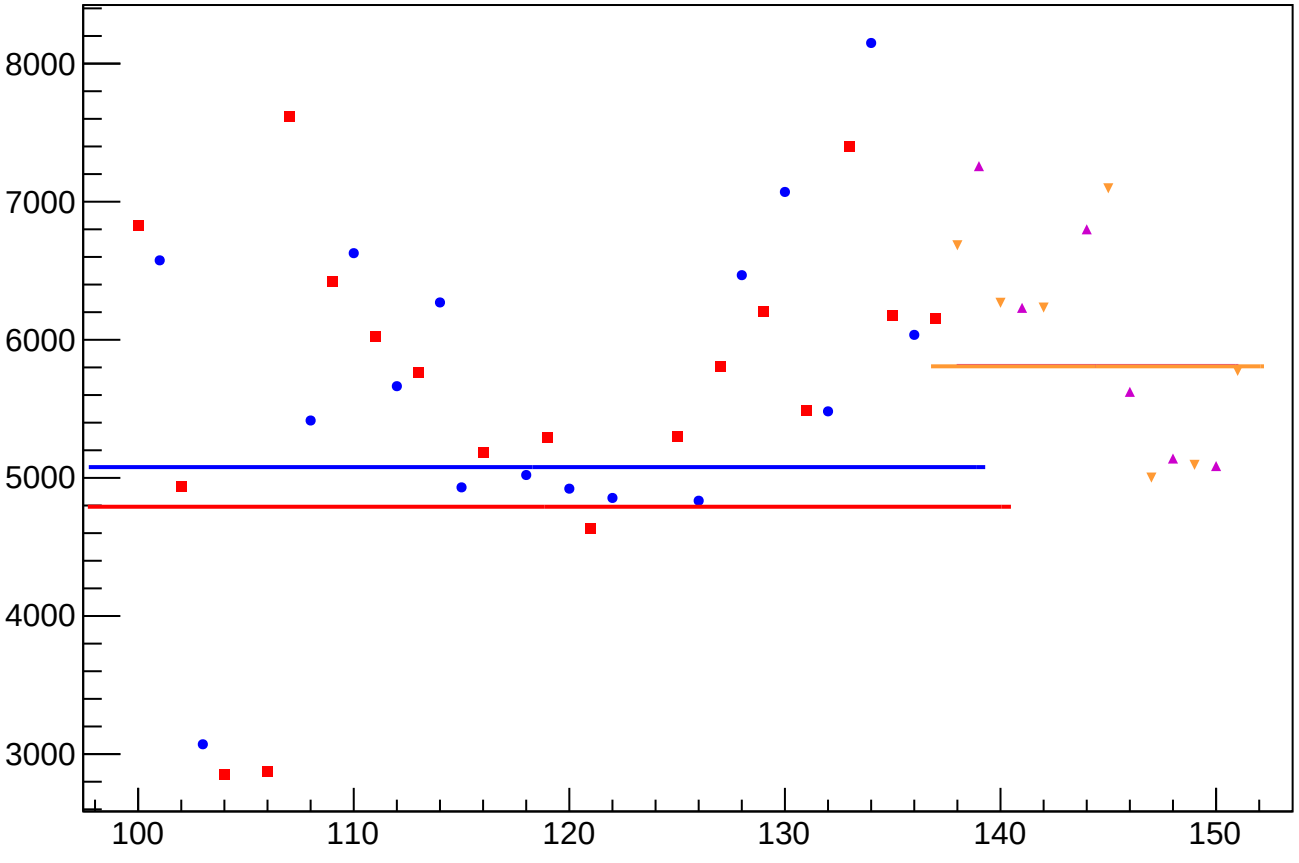
Left In: -3288.831+/-2559.826 χ^2/NDF:3.0/5

+ sign 3129.256+/-1550.010 χ^2/NDF: 22.0/22

All: -321.587+/-1091.129 χ^2/NDF: 51.0/46

- sign -3711.478+/-1536.261 χ^2/NDF: 19.2/23

asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 5807.909+/-1.792 χ^2/NDF:168498.6/6

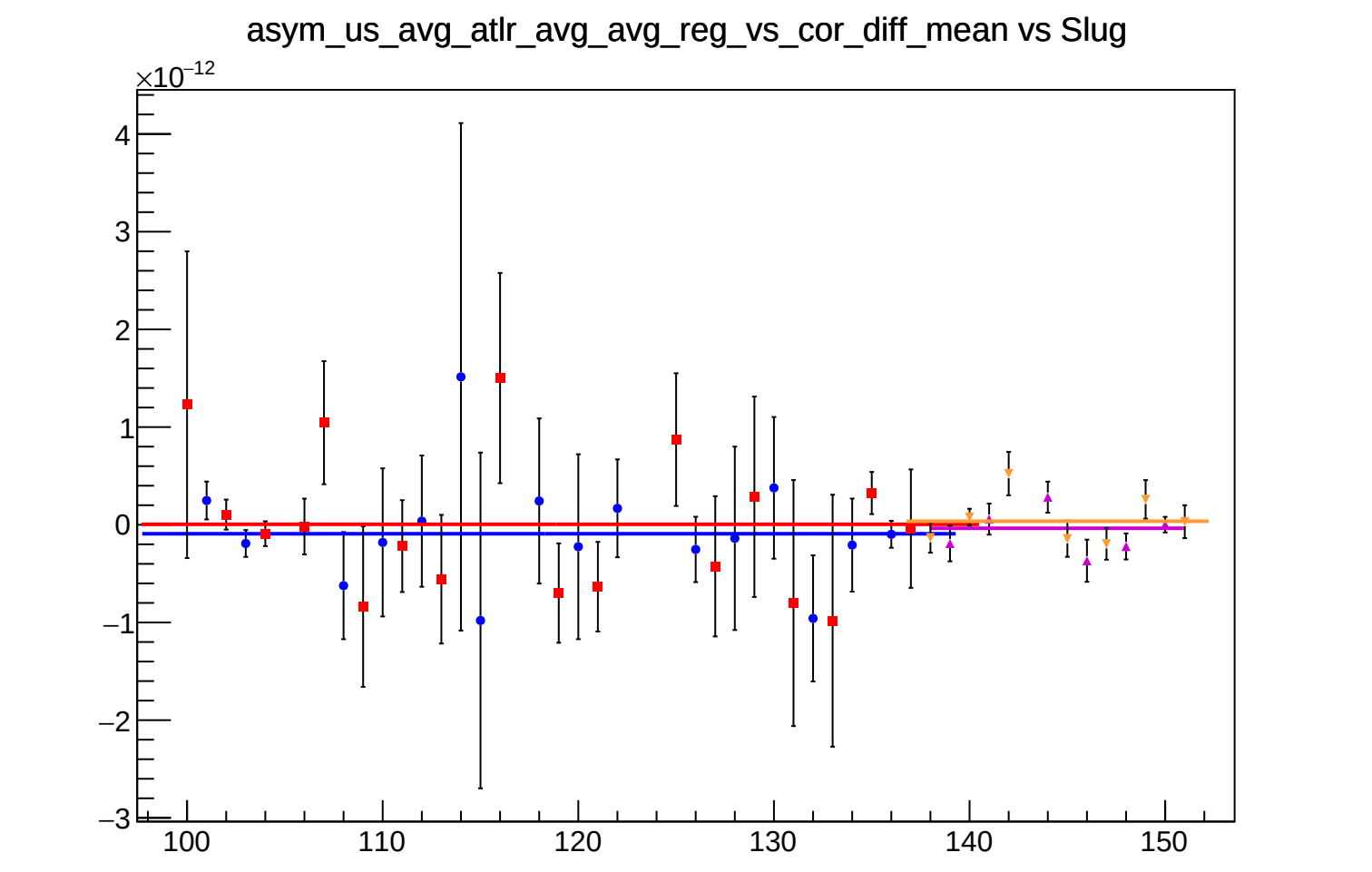
Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 5810.664+/-1.810 χ^2/NDF:179550.4/5

+ sign 5351.151+/-1.096 χ^2/NDF: 1191510.8/22

All: 5247.773+/-0.766 χ^2/NDF: 2756865.8/46

- sign 5148.847+/-1.072 χ^2/NDF: 1547944.9/23



Right In: -0.000+/-0.000 χ^2/NDF: 8.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.5/6

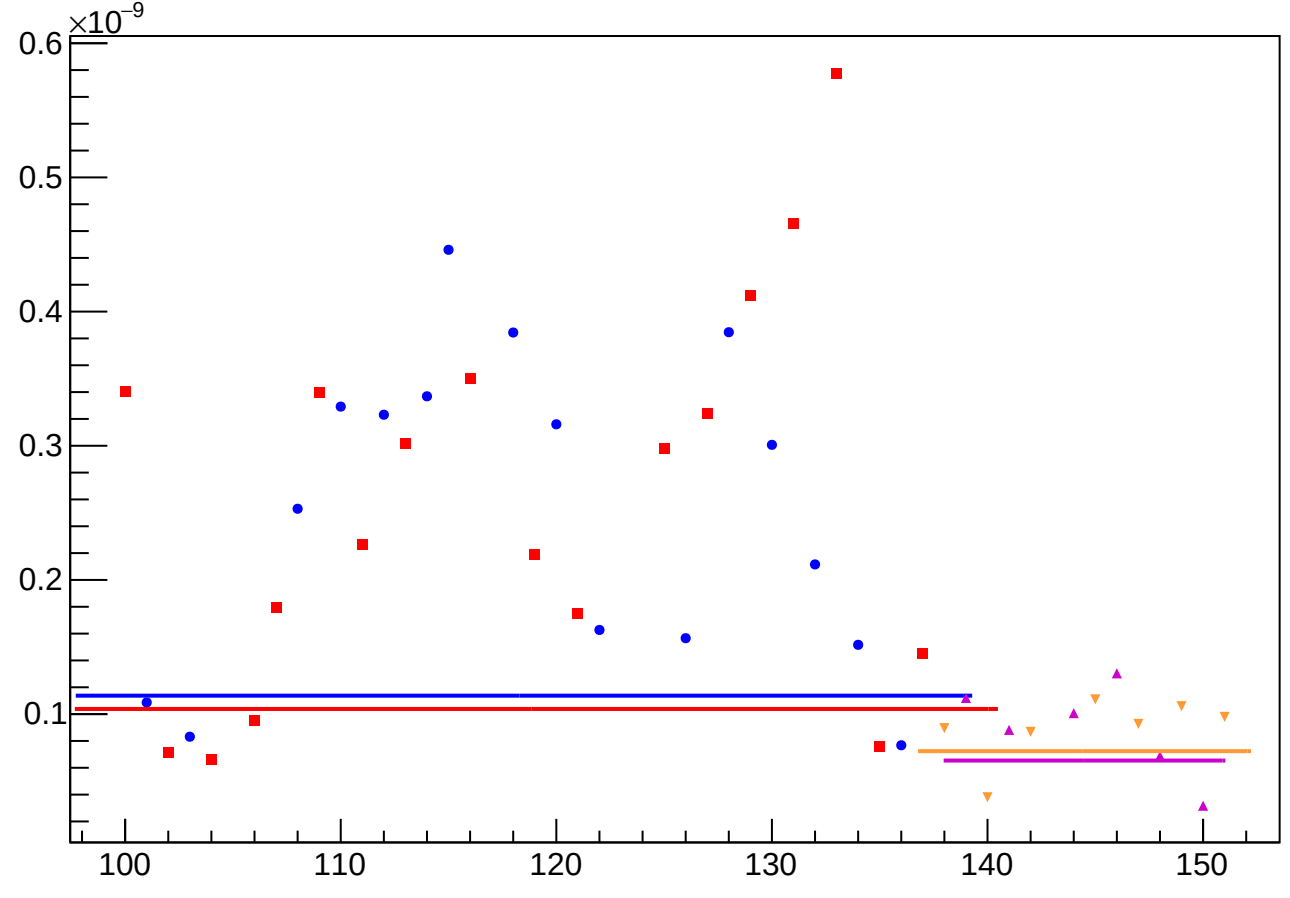
Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: -0.000+/-0.000 χ^2/NDF:9.6/5

+ sign -0.000+/-0.000 χ^2/NDF: 20.5/22

All: -0.000+/-0.000 χ^2/NDF: 47.8/46

- sign -0.000+/-0.000 χ^2/NDF: 27.2/23



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:576038.1/6

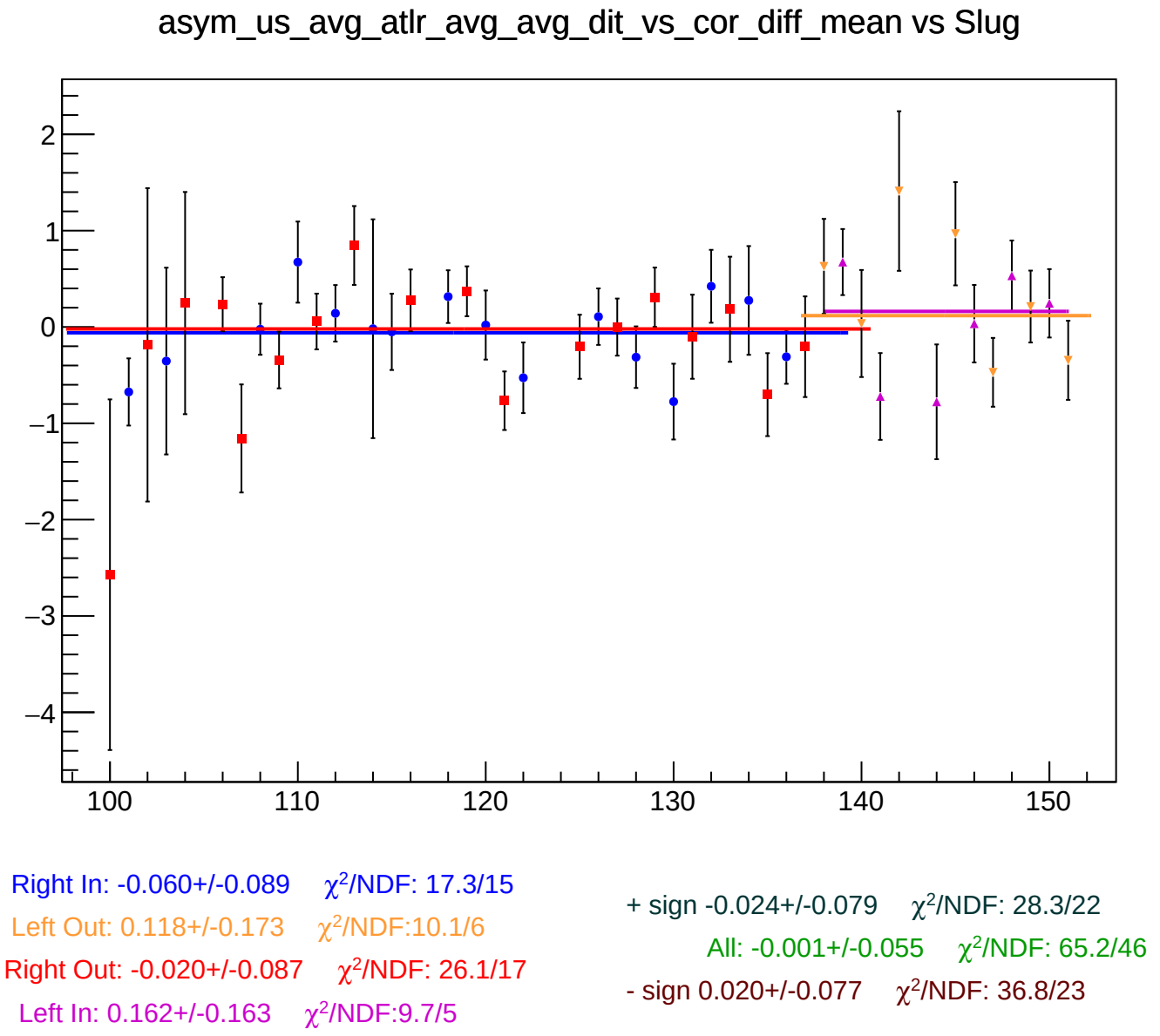
Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:808075.7/5

+ sign 0.000+/-0.000 χ^2/NDF: 2475789.8/22

All: 0.000+/-0.000 χ^2/NDF: 5739007.9/46

- sign 0.000+/-0.000 χ^2/NDF: 3228942.2/23


asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug
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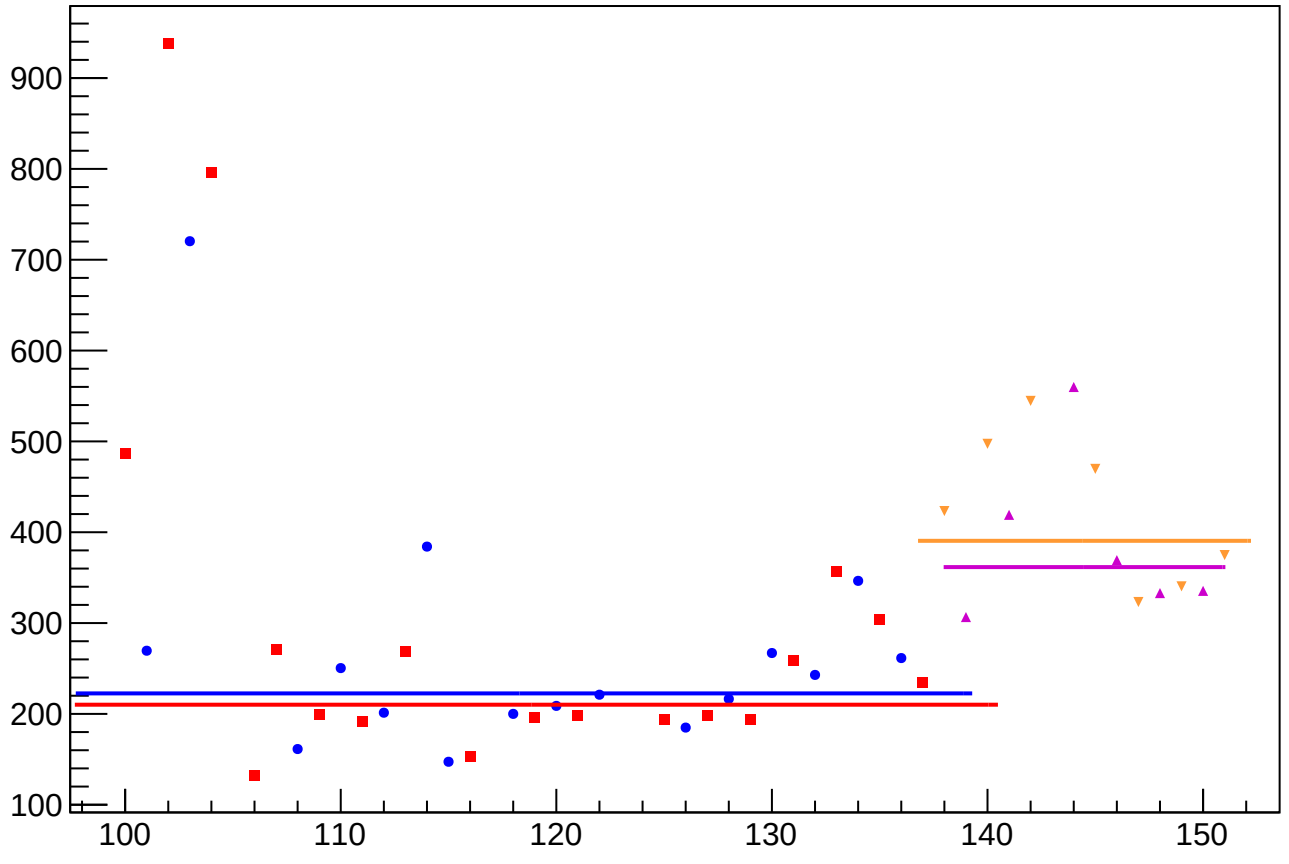
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: 0.118+/-0.173 χ²/NDF:10.1/6
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.162+/-0.163 χ²/NDF:9.7/5
+ sign -0.024+/-0.079 χ²/NDF: 28.3/22
All: -0.001+/-0.055 χ²/NDF: 65.2/46
- sign 0.020+/-0.077 χ²/NDF: 36.8/23



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 390.551+/-0.123 χ^2/NDF:305692.1/6

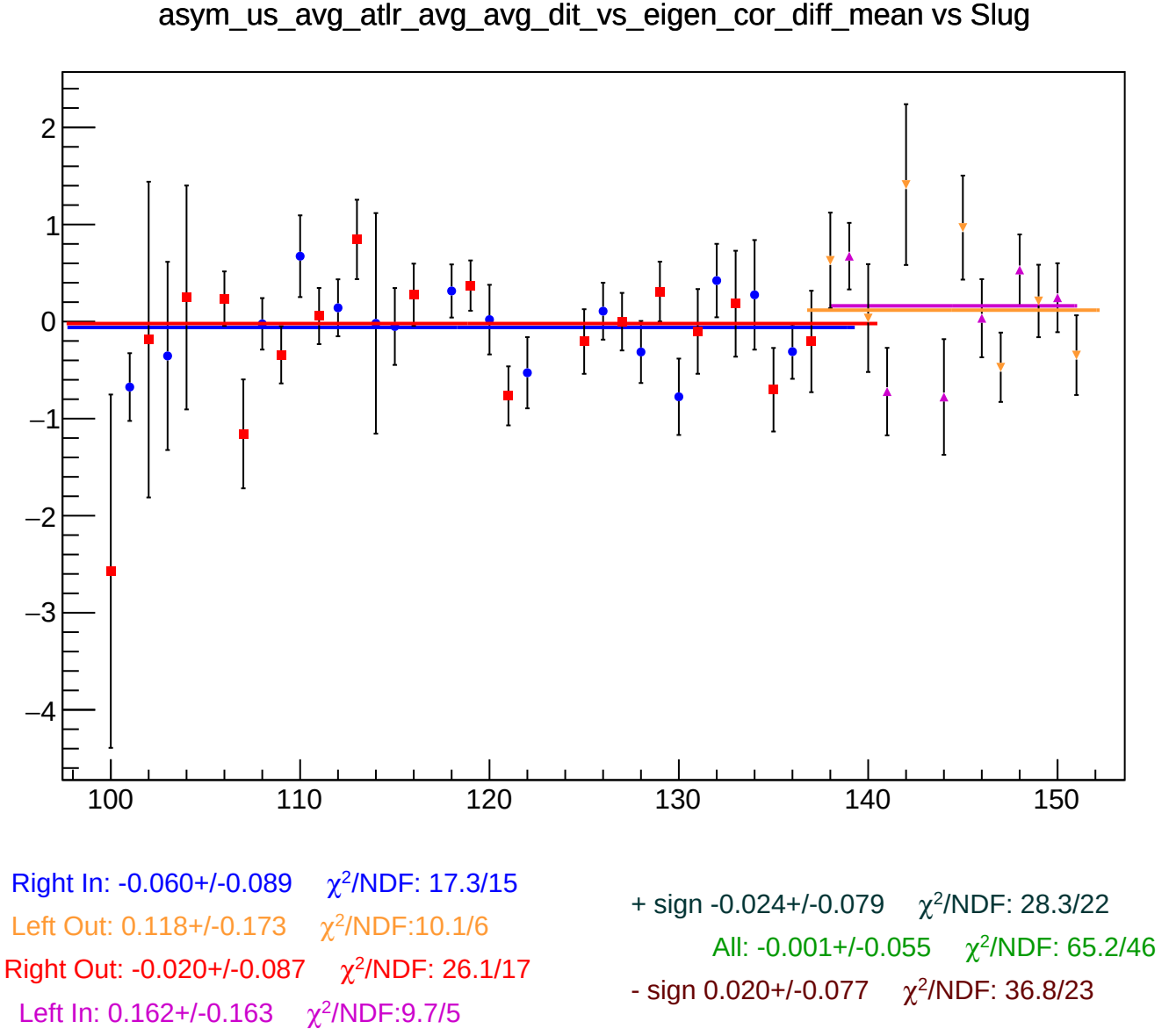
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 361.619+/-0.115 χ^2/NDF:329375.9/5

+ sign 257.366+/-0.056 χ^2/NDF: 2811795.8/22

All: 250.573+/-0.039 χ^2/NDF: 6065821.1/46

- sign 244.111+/-0.054 χ^2/NDF: 3225128.0/23


asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug
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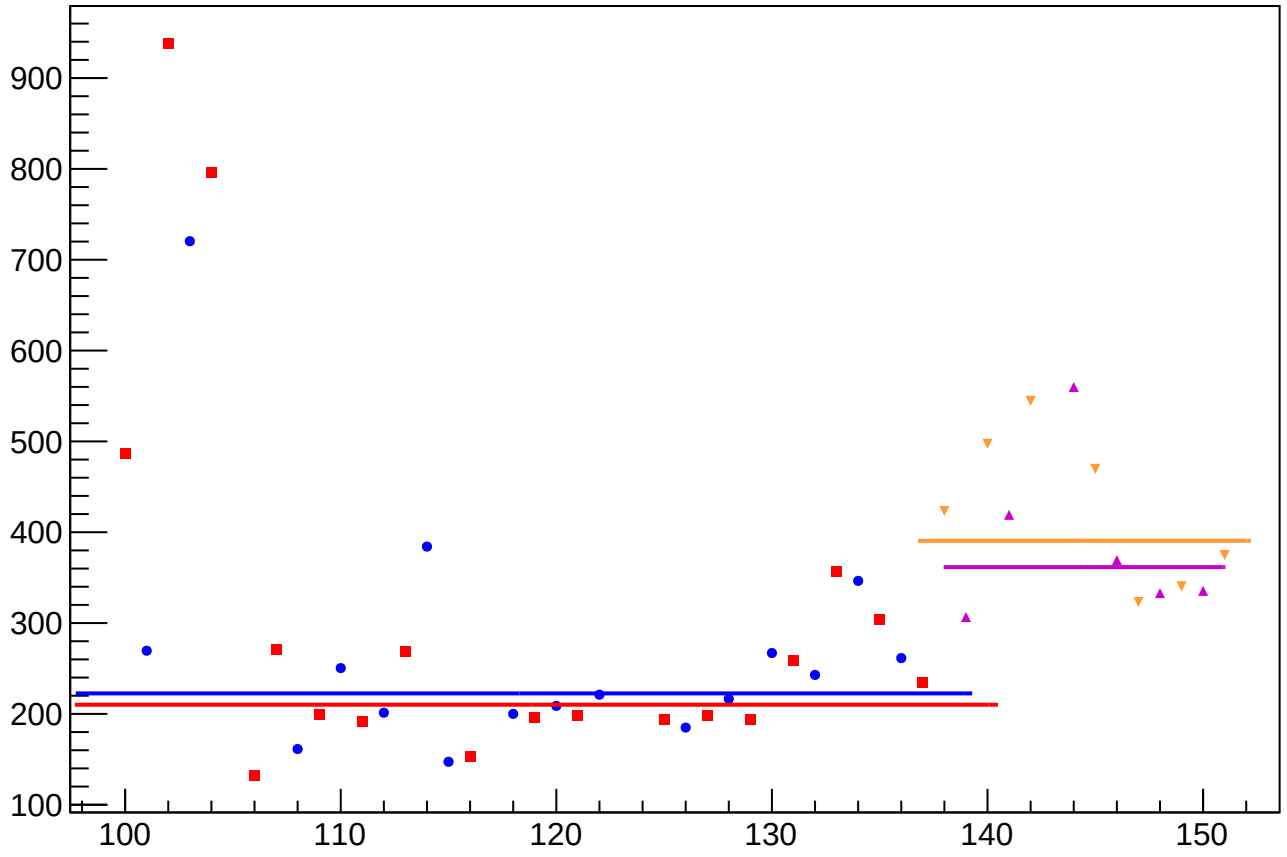
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: 0.118+/-0.173 χ²/NDF:10.1/6
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.162+/-0.163 χ²/NDF:9.7/5
+ sign -0.024+/-0.079 χ²/NDF: 28.3/22
All: -0.001+/-0.055 χ²/NDF: 65.2/46
- sign 0.020+/-0.077 χ²/NDF: 36.8/23



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 390.551+/-0.123 χ^2/NDF:305692.1/6

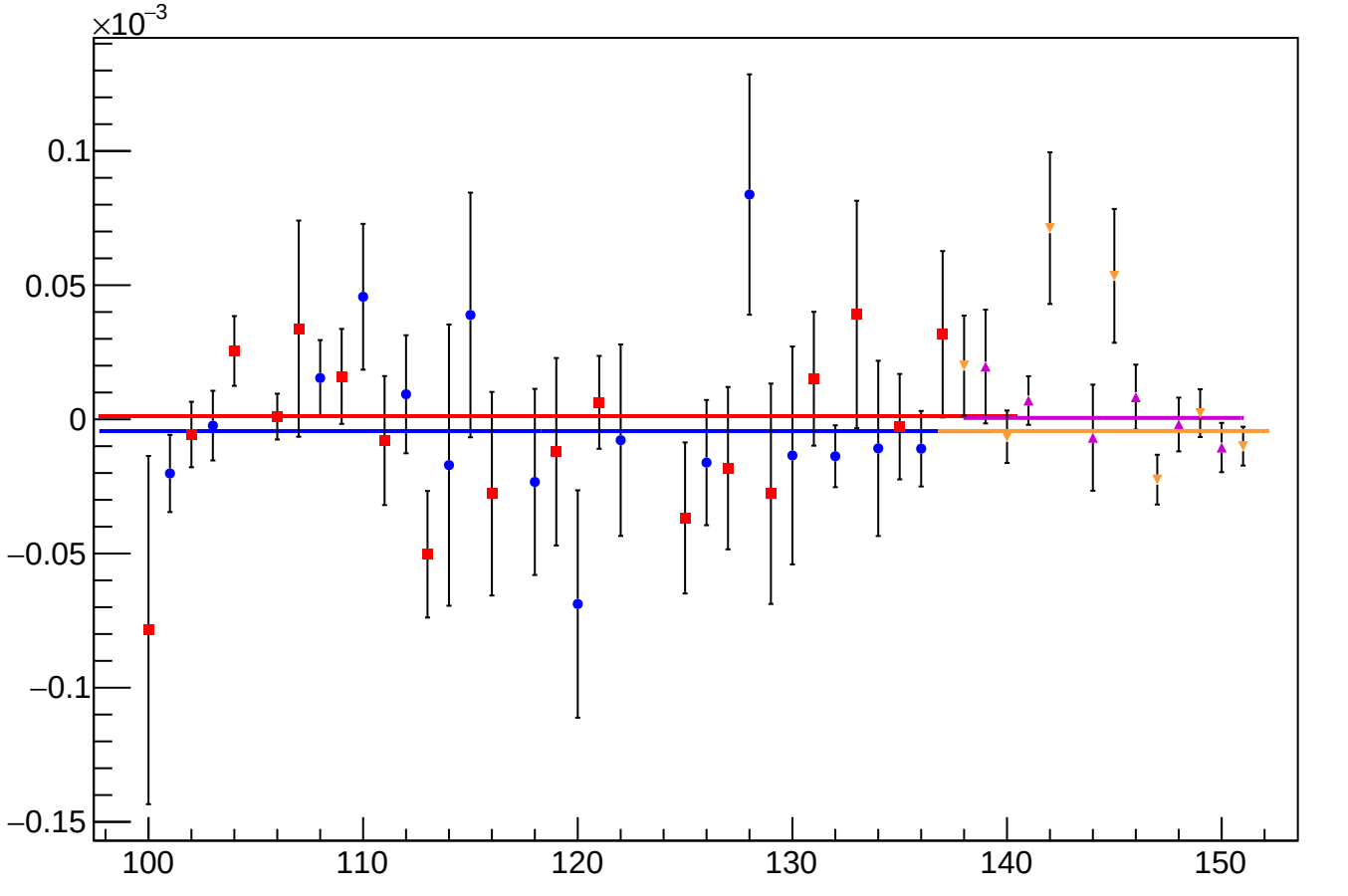
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 361.619+/-0.115 χ^2/NDF:329375.9/5

+ sign 257.366+/-0.056 χ^2/NDF: 2811795.8/22

All: 250.573+/-0.039 χ^2/NDF: 6065821.1/46

- sign 244.111+/-0.054 χ^2/NDF: 3225128.0/23



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.3/6

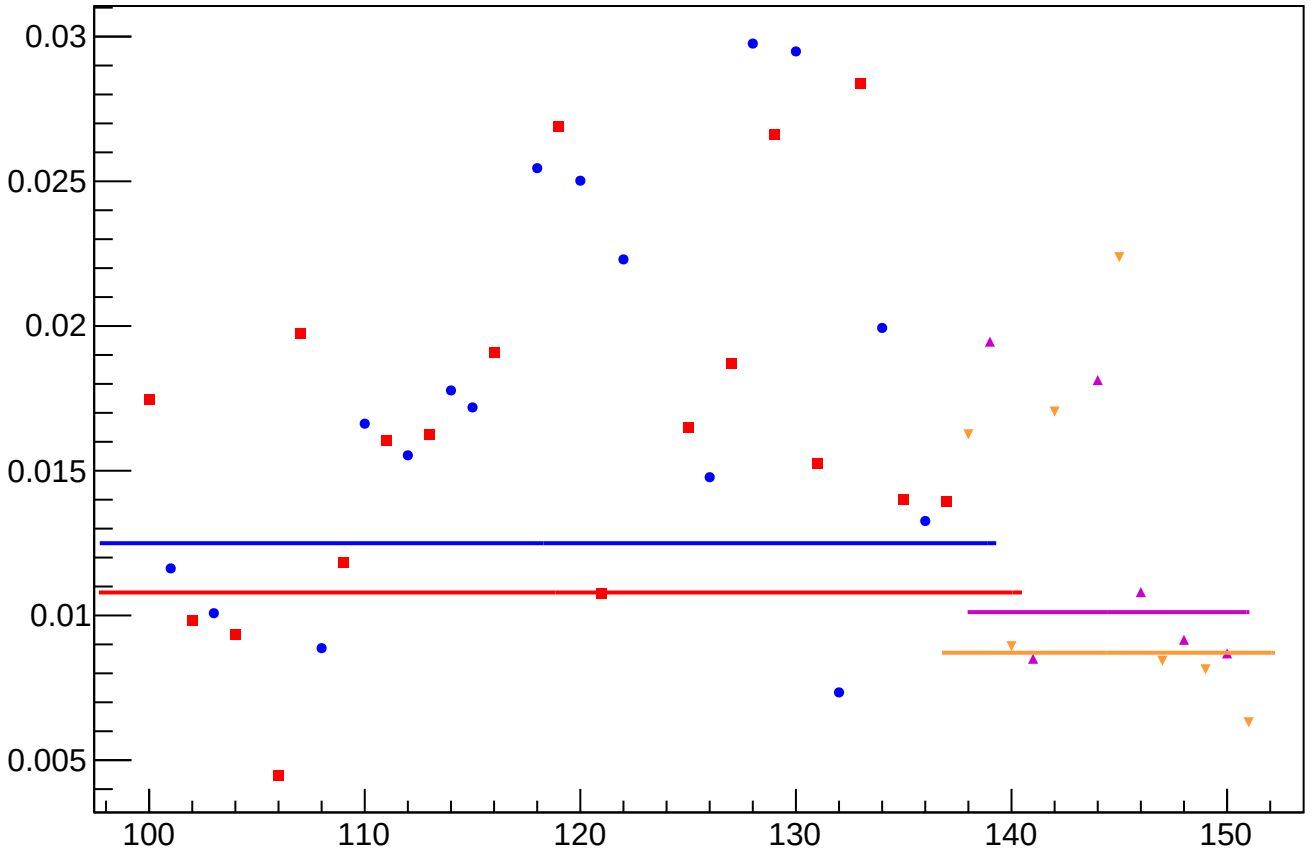
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:3.4/5

+ sign -0.000+/-0.000 χ^2/NDF: 34.9/22

All: -0.000+/-0.000 χ^2/NDF: 56.8/46

- sign 0.000+/-0.000 χ^2/NDF: 20.6/23



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:1334530.8/6

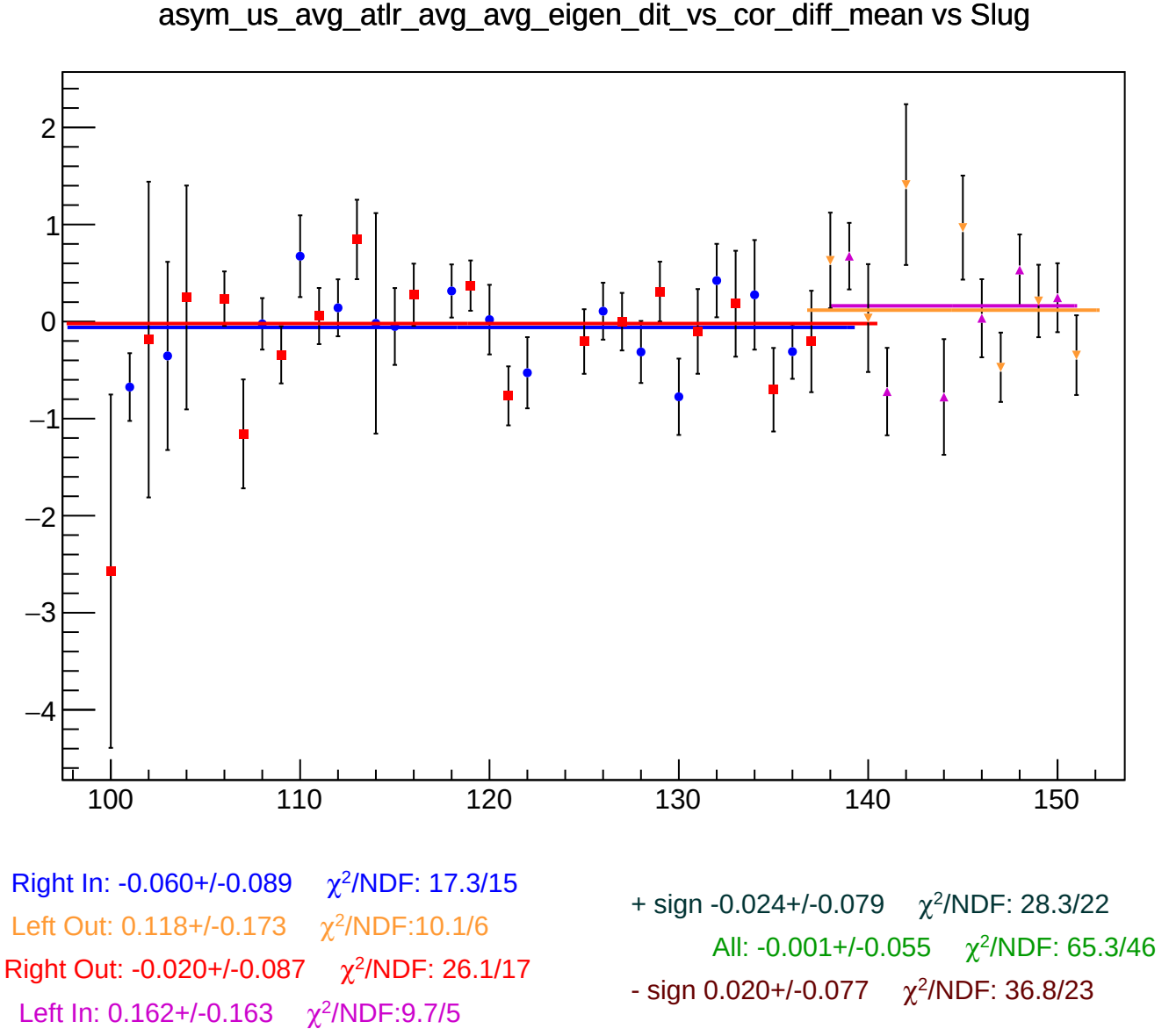
Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

Left In: 0.010+/-0.000 χ^2/NDF:854277.4/5

+ sign 0.010+/-0.000 χ^2/NDF: 4121235.6/22

All: 0.010+/-0.000 χ^2/NDF: 7991227.6/46

- sign 0.010+/-0.000 χ^2/NDF: 3863517.5/23


asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
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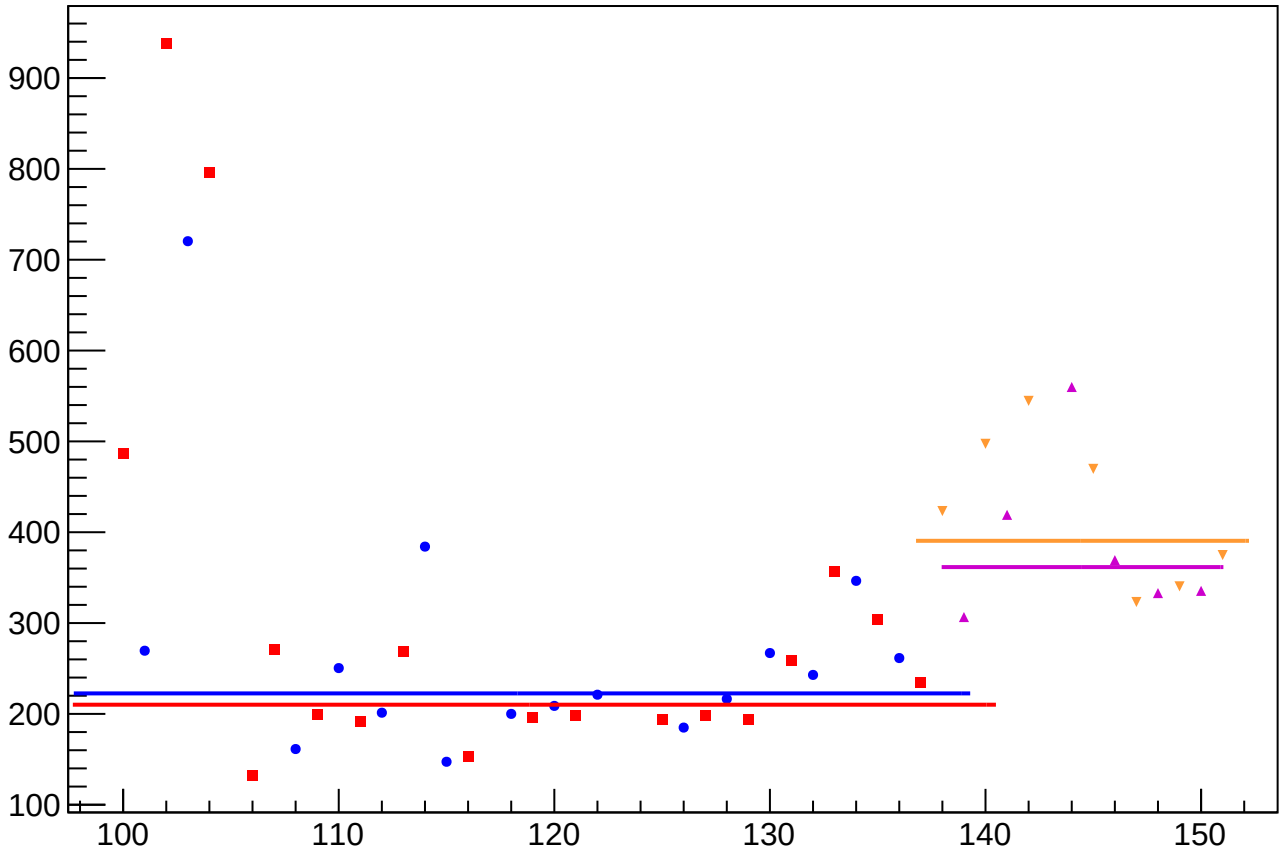
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: 0.118+/-0.173 χ²/NDF:10.1/6
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.162+/-0.163 χ²/NDF:9.7/5
+ sign -0.024+/-0.079 χ²/NDF: 28.3/22
All: -0.001+/-0.055 χ²/NDF: 65.3/46
- sign 0.020+/-0.077 χ²/NDF: 36.8/23



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 390.555+/-0.123 χ^2/NDF:305692.5/6

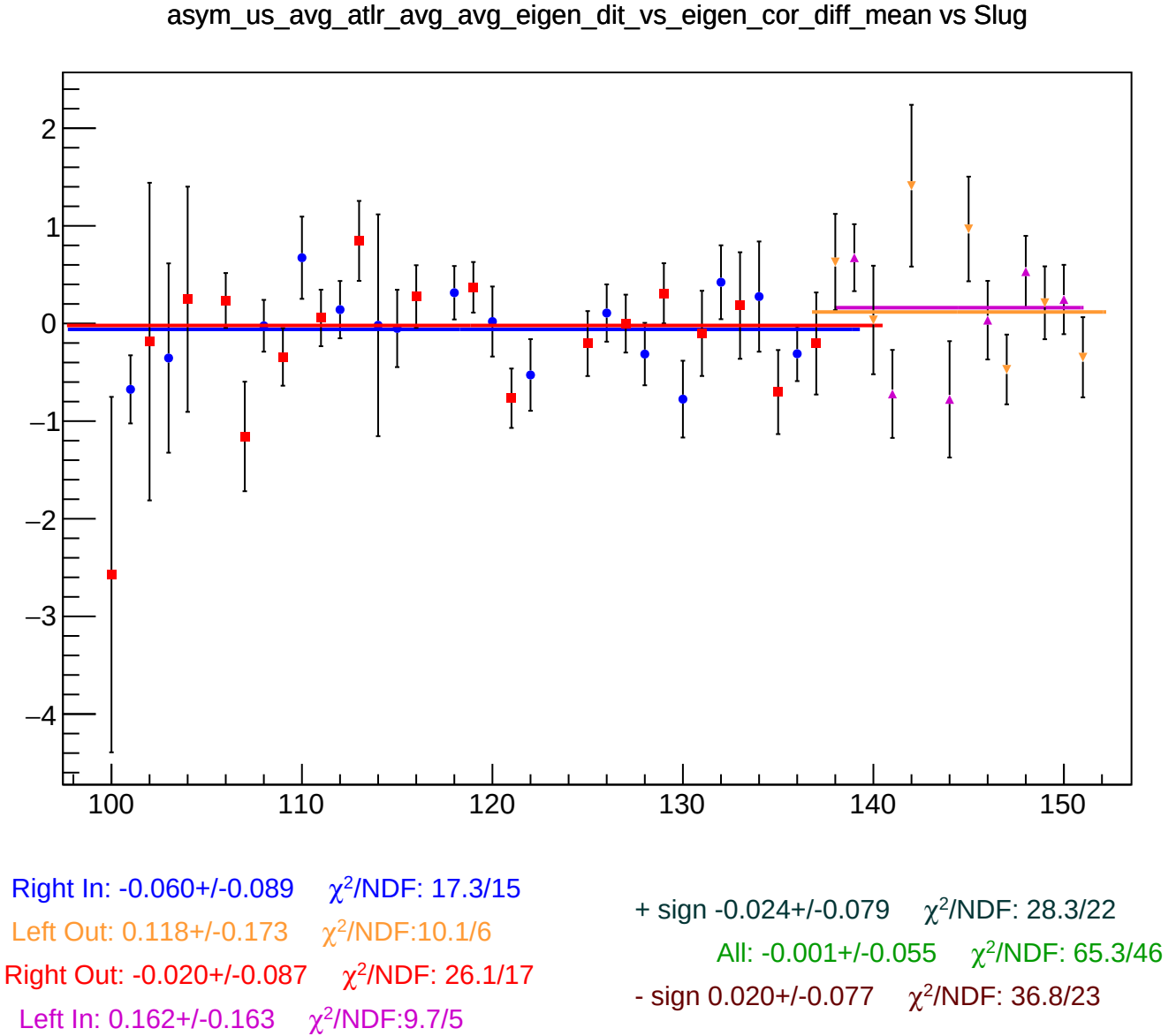
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 361.624+/-0.115 χ^2/NDF:329367.4/5

+ sign 257.365+/-0.056 χ^2/NDF: 2811865.9/22

All: 250.572+/-0.039 χ^2/NDF: 6065985.1/46

- sign 244.109+/-0.054 χ^2/NDF: 3225218.6/23


asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
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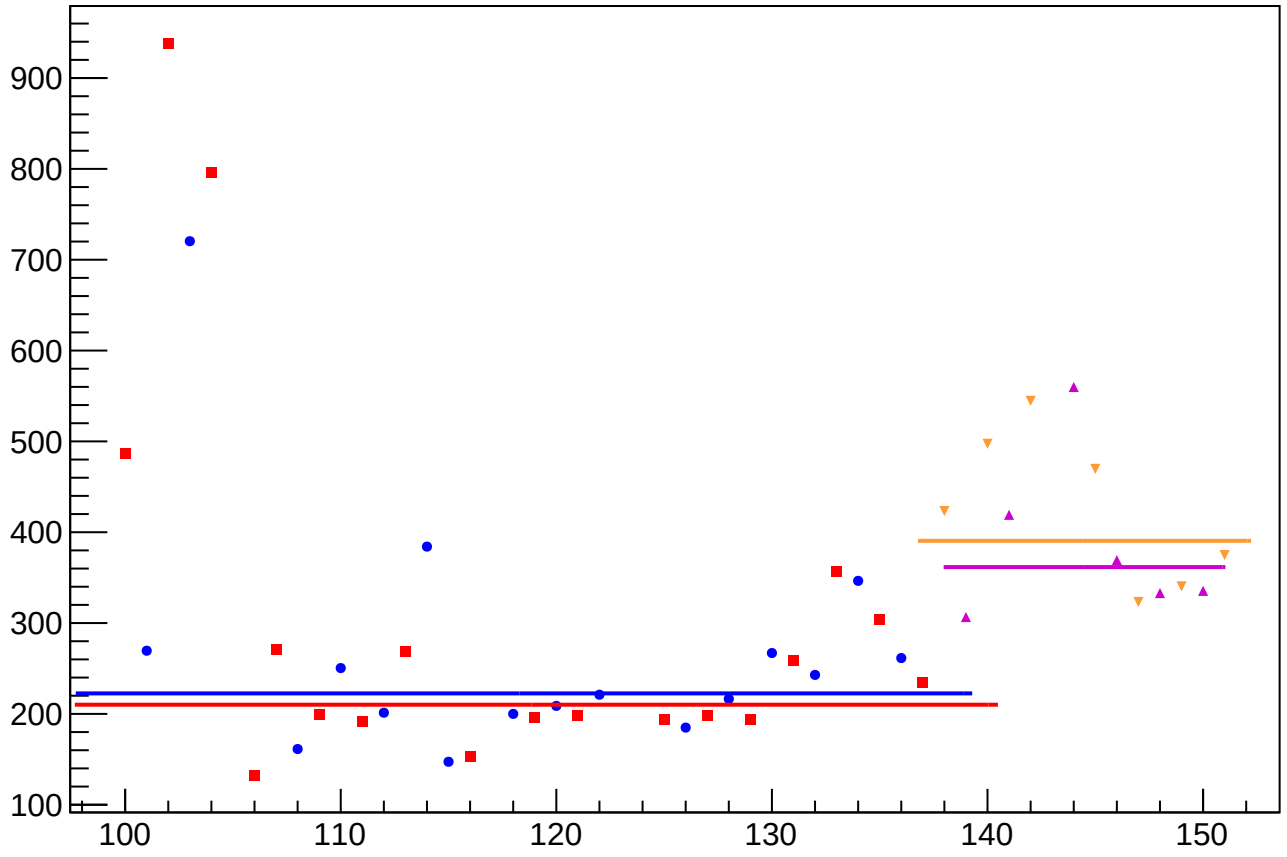
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: 0.118+/-0.173 χ²/NDF:10.1/6
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.162+/-0.163 χ²/NDF:9.7/5
+ sign -0.024+/-0.079 χ²/NDF: 28.3/22
All: -0.001+/-0.055 χ²/NDF: 65.3/46
- sign 0.020+/-0.077 χ²/NDF: 36.8/23



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 390.555+/-0.123 χ^2/NDF:305692.5/6

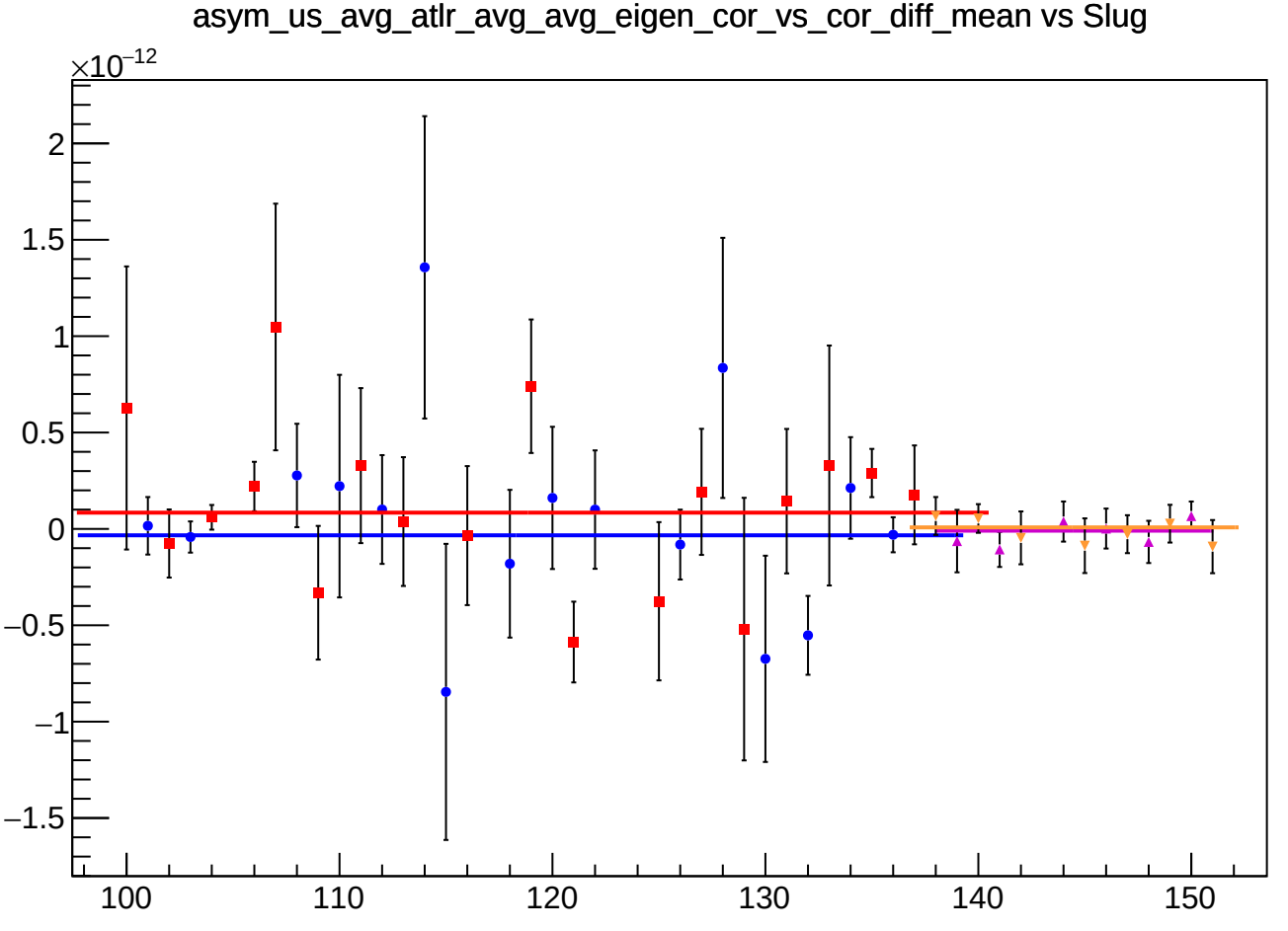
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 361.624+/-0.115 χ^2/NDF:329367.4/5

+ sign 257.365+/-0.056 χ^2/NDF: 2811865.9/22

All: 250.572+/-0.039 χ^2/NDF: 6065985.1/46

- sign 244.109+/-0.054 χ^2/NDF: 3225218.6/23



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.0/6

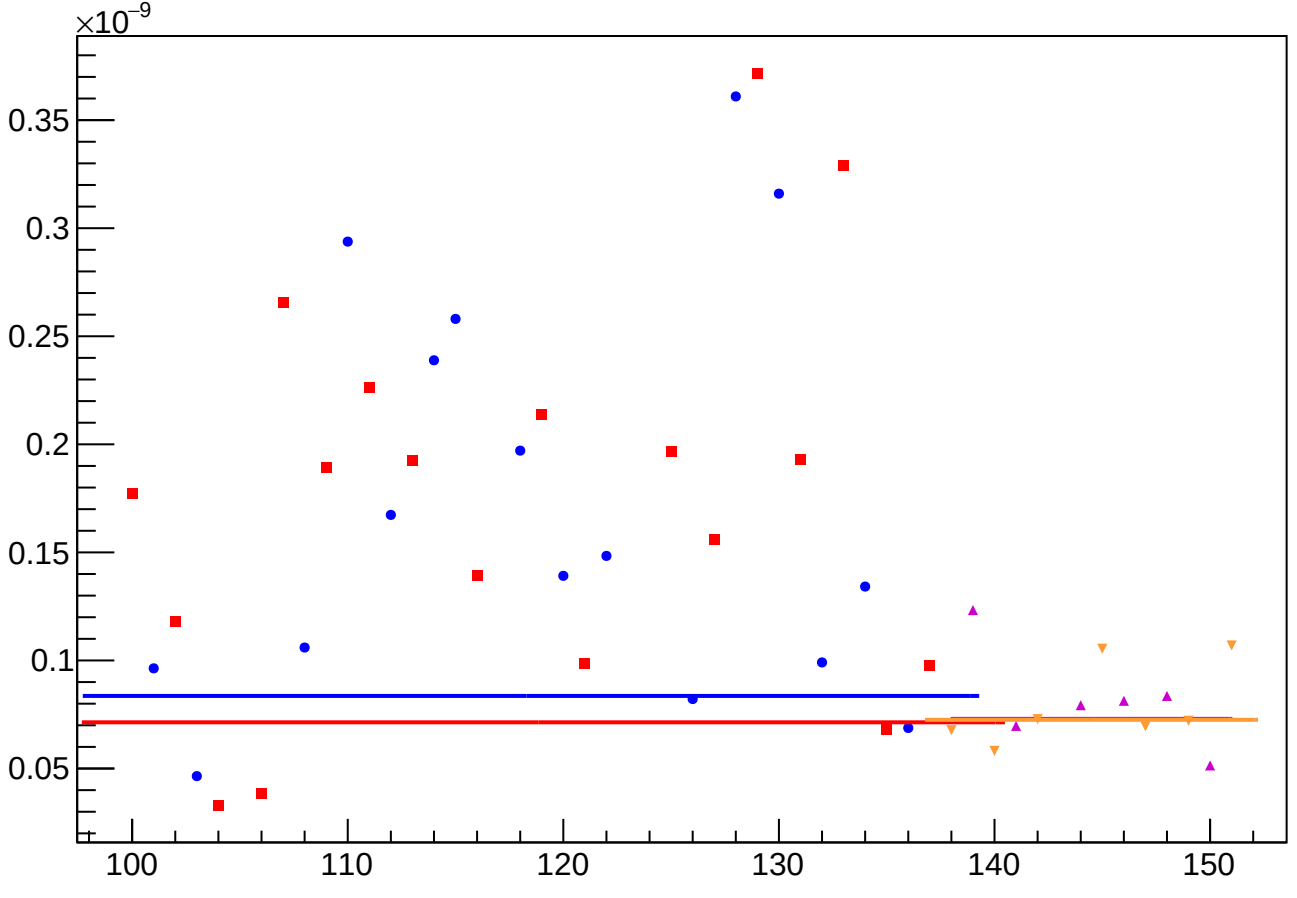
Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/17

Left In: -0.000+/-0.000 χ^2/NDF:2.8/5

+ sign -0.000+/-0.000 χ^2/NDF: 19.7/22

All: 0.000+/-0.000 χ^2/NDF: 51.7/46

- sign 0.000+/-0.000 χ^2/NDF: 31.0/23



Right In: 0.000+/-0.000 χ^2/NDF: 2235431.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:313299.3/6

Right Out: 0.000+/-0.000 χ^2/NDF: 3745180.4/17

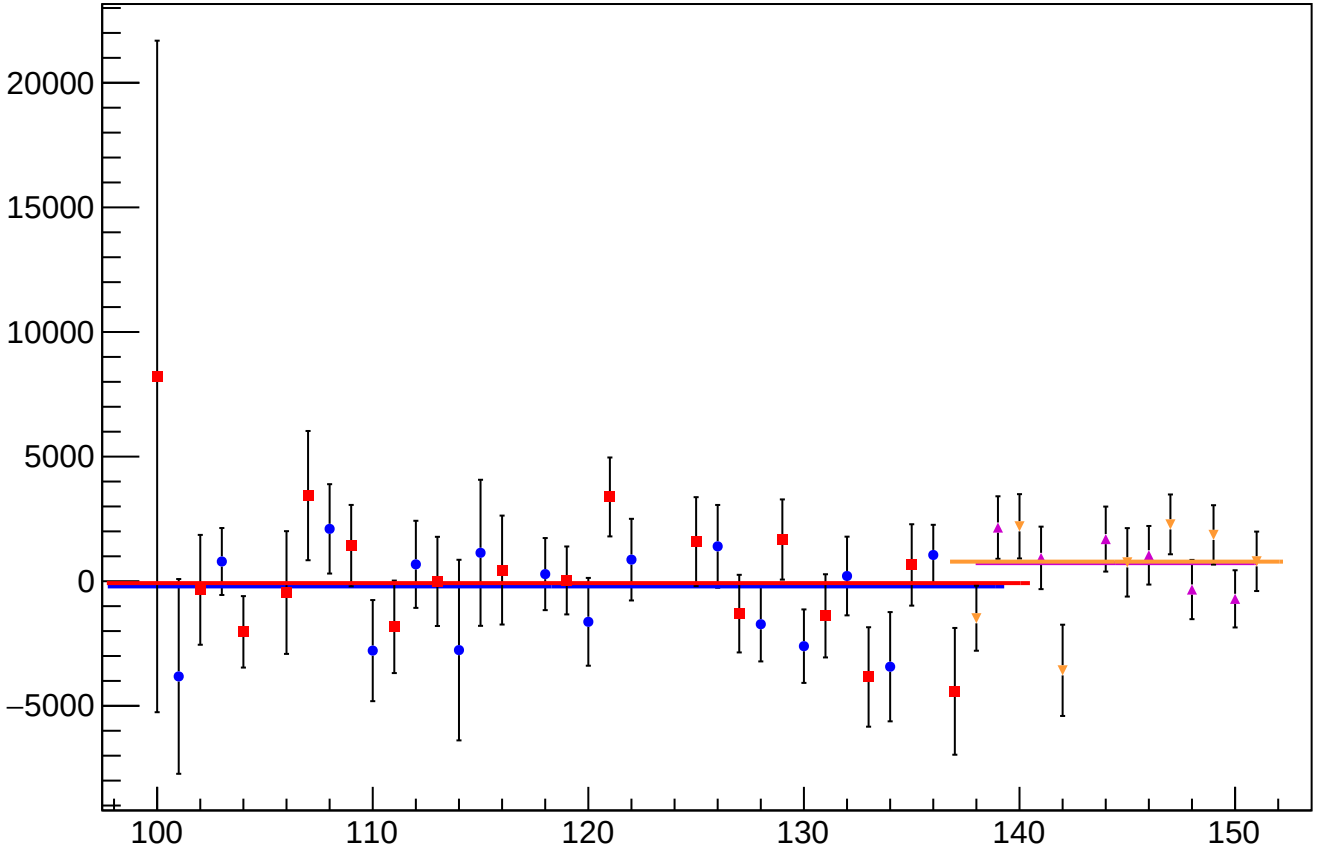
Left In: 0.000+/-0.000 χ^2/NDF:397672.7/5

+ sign 0.000+/-0.000 χ^2/NDF: 2613557.0/22

All: 0.000+/-0.000 χ^2/NDF: 6783647.3/46

- sign 0.000+/-0.000 χ^2/NDF: 4144245.8/23

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.338+/-429.155 χ^2/NDF: 14.8/15

Left Out: 786.194+/-492.580 χ^2/NDF:12.3/6

Right Out: -75.616+/-430.760 χ^2/NDF: 20.7/17

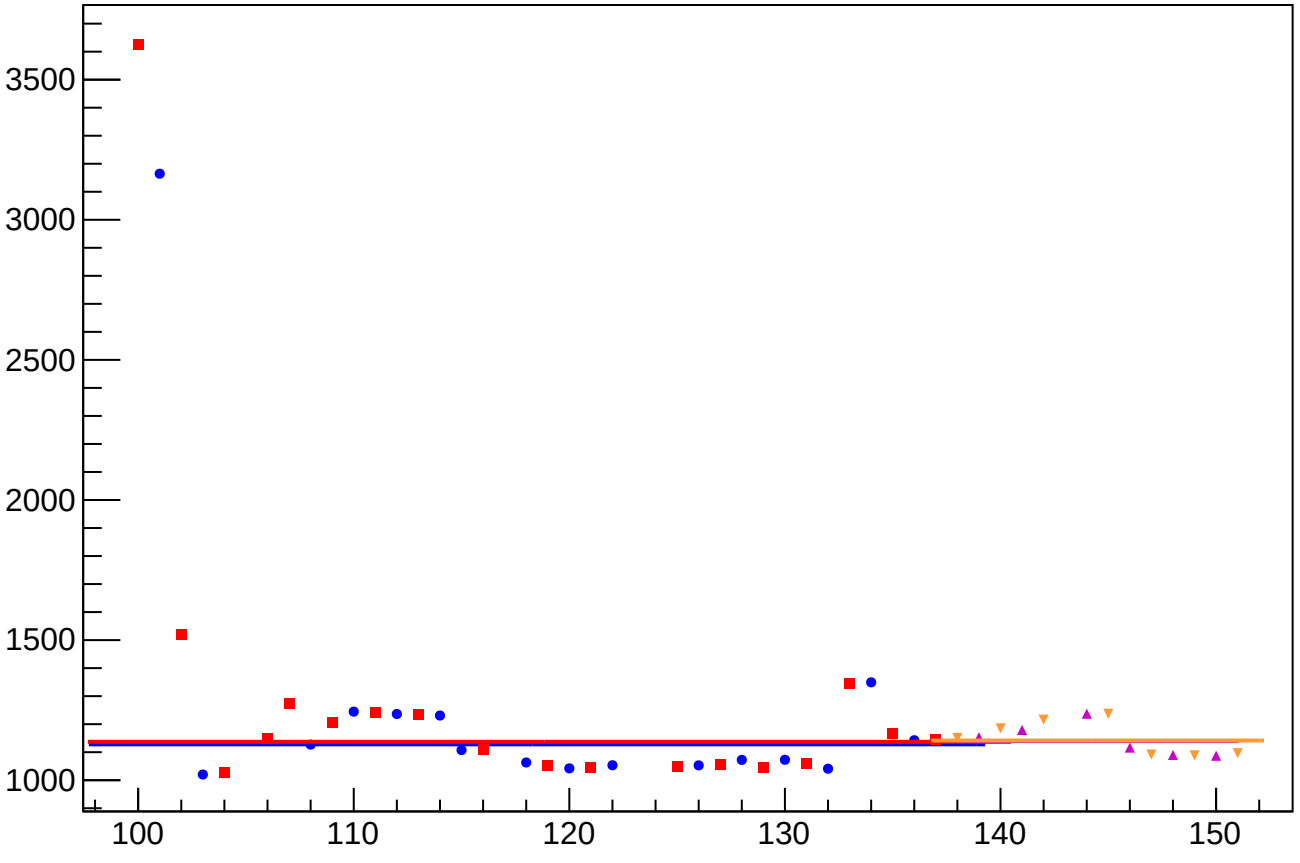
Left In: 725.771+/-496.892 χ^2/NDF:4.3/5

\+ sign 220.816+/-323.574 χ^2/NDF: 29.4/22

All: 244.387+/-229.473 χ^2/NDF: 55.8/46

\- sign 268.236+/-325.482 χ^2/NDF: 26.4/23

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1141.661+/-0.348 χ^2/NDF:25663.0/6

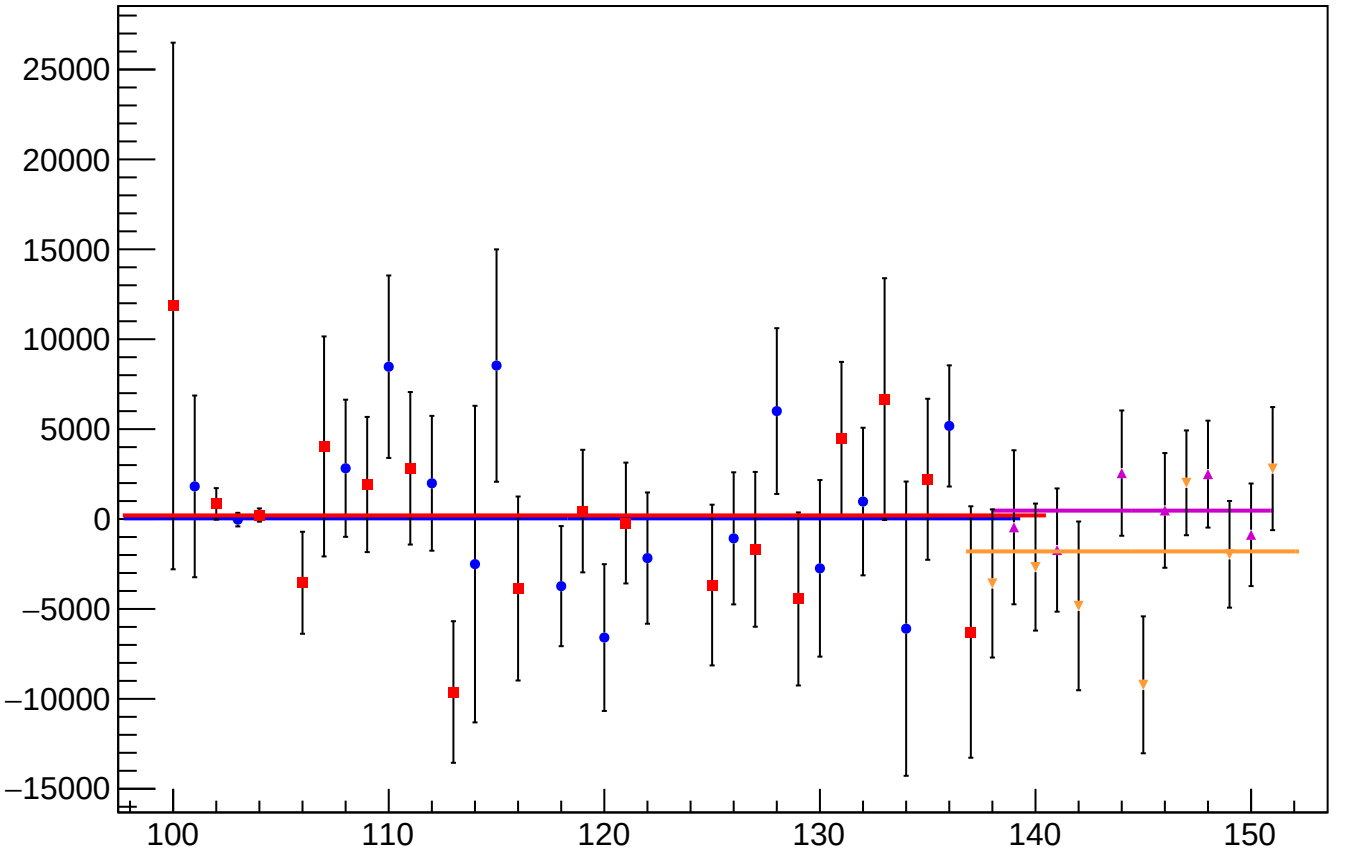
Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1139.659+/-0.351 χ^2/NDF:21878.7/5

\+ sign 1133.899+/-0.229 χ^2/NDF: 647931.1/22

All: 1136.020+/-0.162 χ^2/NDF: 890100.5/46

\- sign 1138.162+/-0.230 χ^2/NDF: 241996.6/23



Right In: 38.300+/-357.651 χ^2/NDF: 14.8/15

Left Out: -1800.290+/-1324.260 χ^2/NDF:8.0/6

Right Out: 201.642+/-322.545 χ^2/NDF: 15.6/17

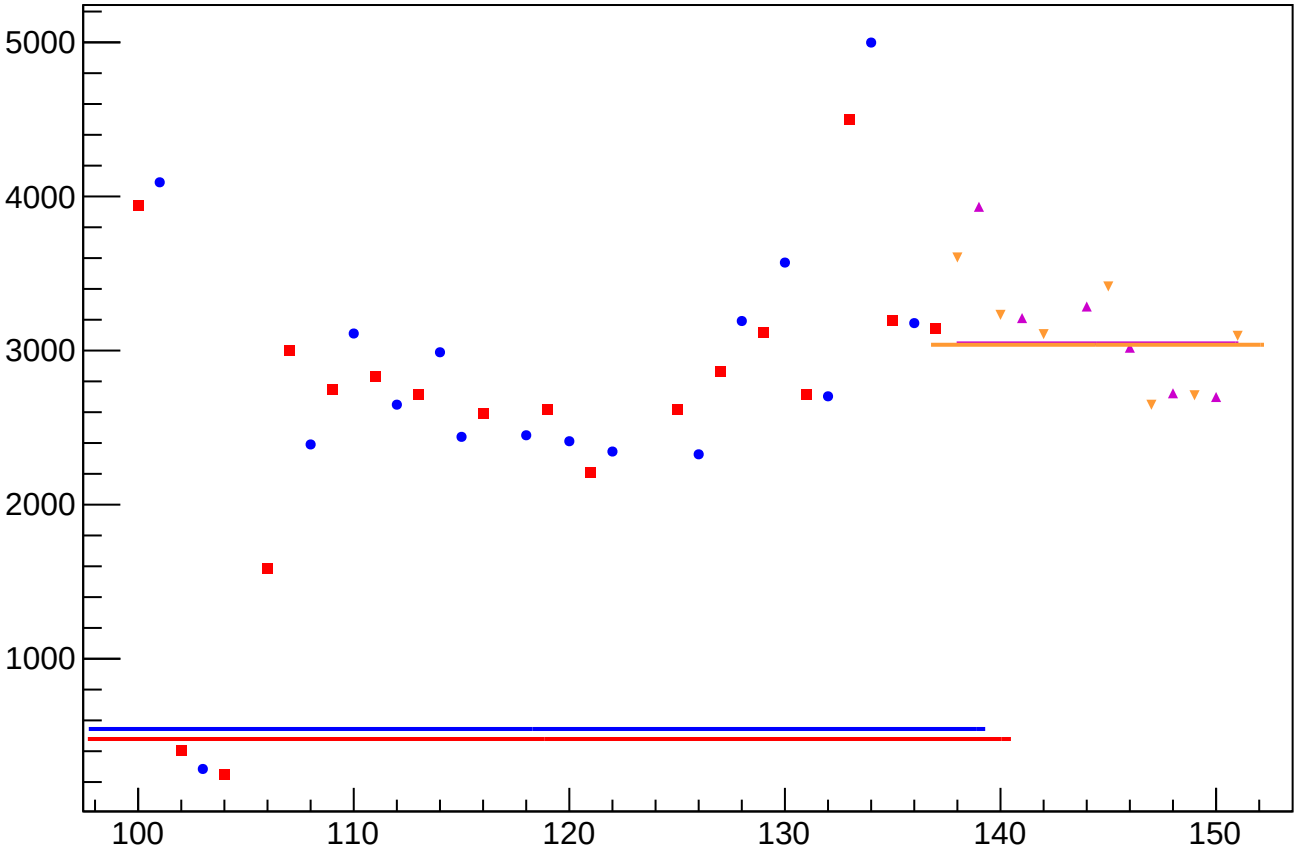
Left In: 468.623+/-1340.543 χ^2/NDF:1.5/5

+ sign -86.692+/-345.280 χ^2/NDF: 24.6/22

All: 79.315+/-232.141 χ^2/NDF: 42.2/46

- sign 216.252+/-313.595 χ^2/NDF: 17.2/23

asym_us_avg_atlr_avg_dd_reg_correction_rms vs Slug



Right In: 544.336+/-0.253 χ^2/NDF: 9682967.9/15

Left Out: 3037.666+/-0.936 χ^2/NDF:124710.0/6

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

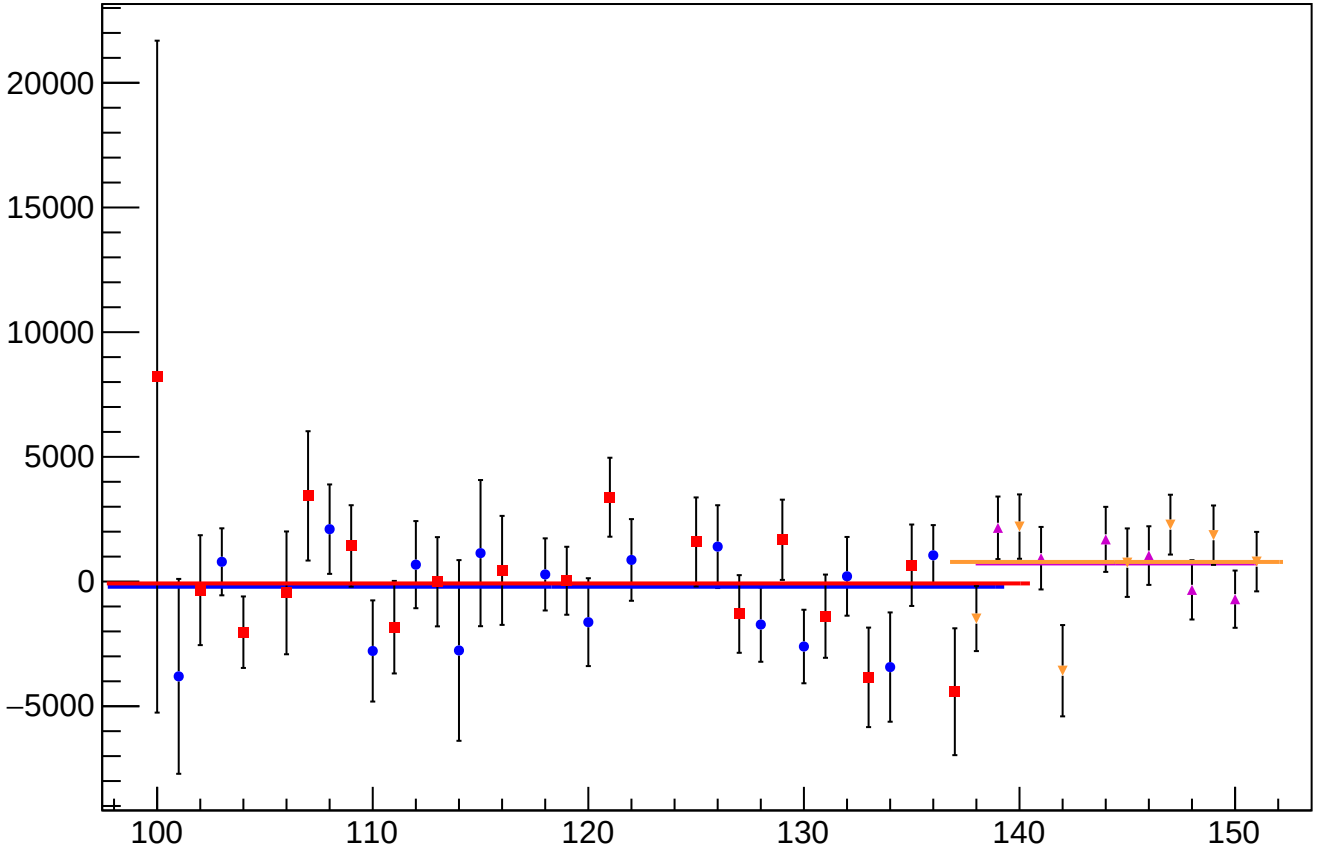
Left In: 3046.392+/-0.948 χ^2/NDF:153361.4/5

+ sign 713.839+/-0.244 χ^2/NDF: 16415632.1/22

All: 662.273+/-0.164 χ^2/NDF: 32771459.0/46

- sign 619.737+/-0.222 χ^2/NDF: 16274422.7/23

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 786.269+/-492.580 χ^2/NDF:12.3/6

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

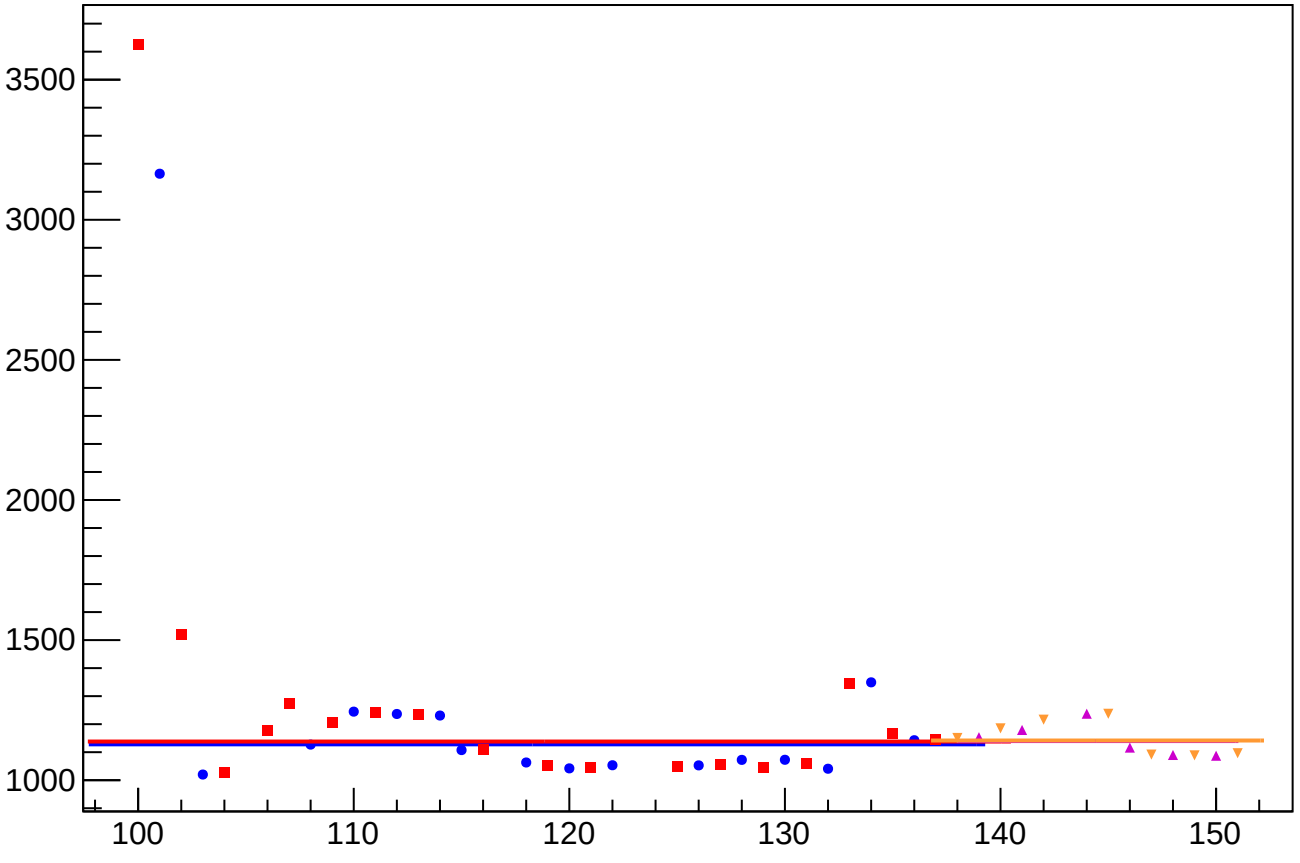
Left In: 725.878+/-496.892 χ^2/NDF:4.3/5

\+ sign 220.978+/-323.574 χ^2/NDF: 29.4/22

All: 244.450+/-229.473 χ^2/NDF: 55.8/46

\- sign 268.200+/-325.482 χ^2/NDF: 26.4/23

cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1141.661+/-0.348 χ^2/NDF:25663.0/6

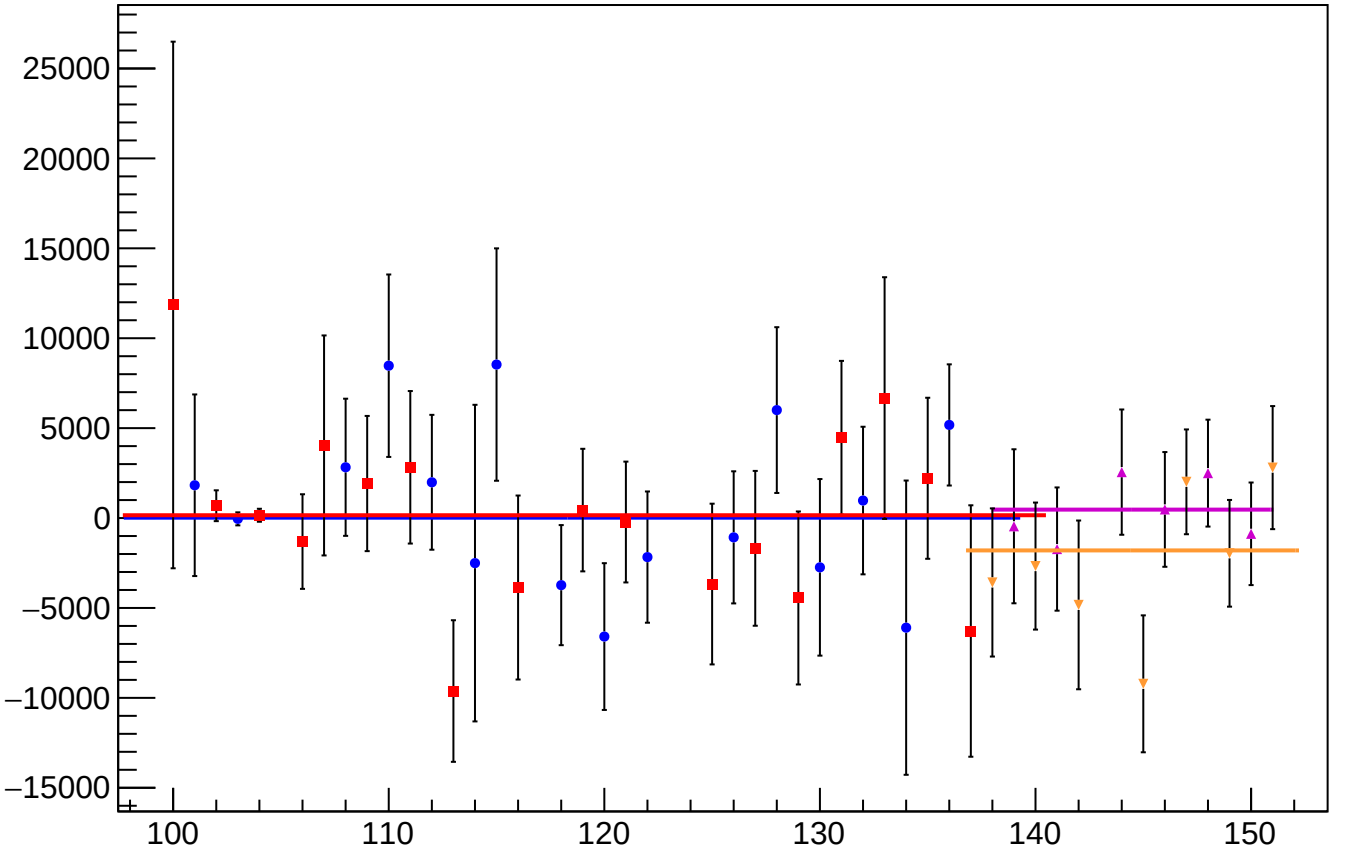
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1139.659+/-0.351 χ^2/NDF:21878.7/5

+ sign 1133.899+/-0.229 χ^2/NDF: 647932.3/22

All: 1136.292+/-0.162 χ^2/NDF: 890668.2/46

- sign 1138.711+/-0.230 χ^2/NDF: 242516.0/23



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -1800.187+/-1324.259 χ^2/NDF:8.0/6

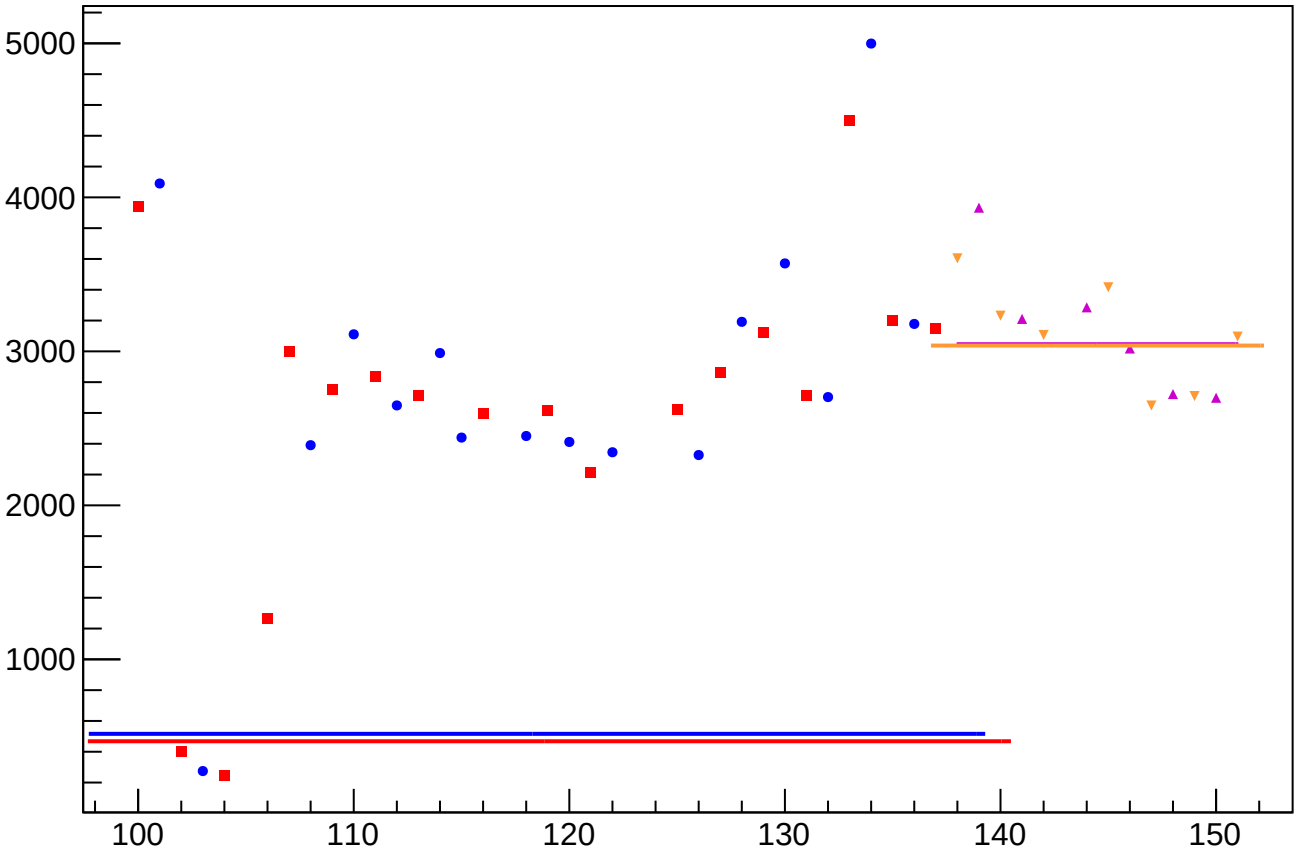
Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: 468.613+/-1340.543 χ^2/NDF:1.5/5

\+ sign -93.850+/-333.426 χ^2/NDF: 24.6/22

All: 49.677+/-226.573 χ^2/NDF: 40.5/46

\- sign 172.810+/-308.830 χ^2/NDF: 15.5/23



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3037.663+/-0.936 χ^2/NDF:124707.9/6

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

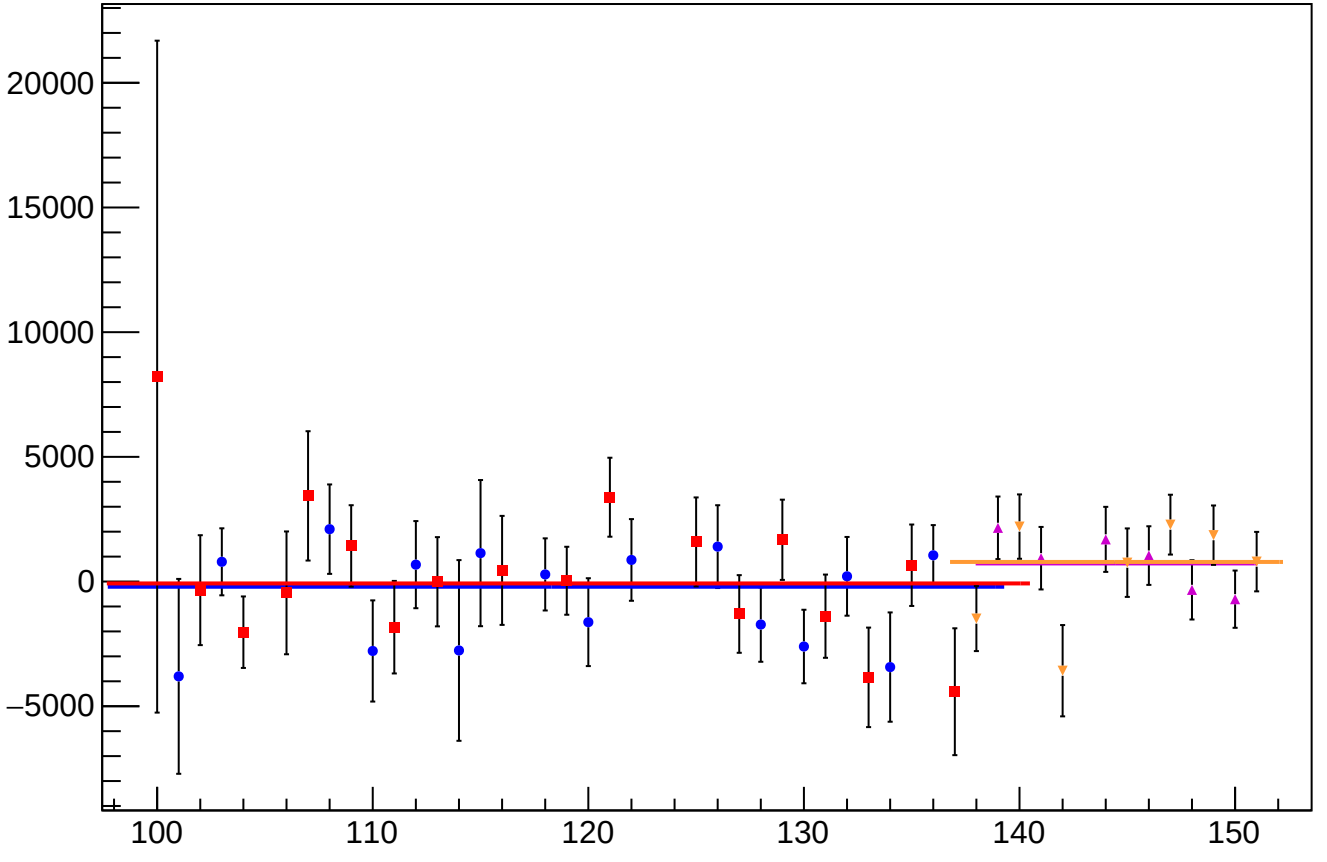
Left In: 3046.392+/-0.948 χ^2/NDF:153362.3/5

+ sign 676.138+/-0.236 χ^2/NDF: 16750048.5/22

All: 637.795+/-0.160 χ^2/NDF: 33069644.3/46

- sign 604.901+/-0.218 χ^2/NDF: 16270457.7/23

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 786.269+/-492.580 χ^2/NDF:12.3/6

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

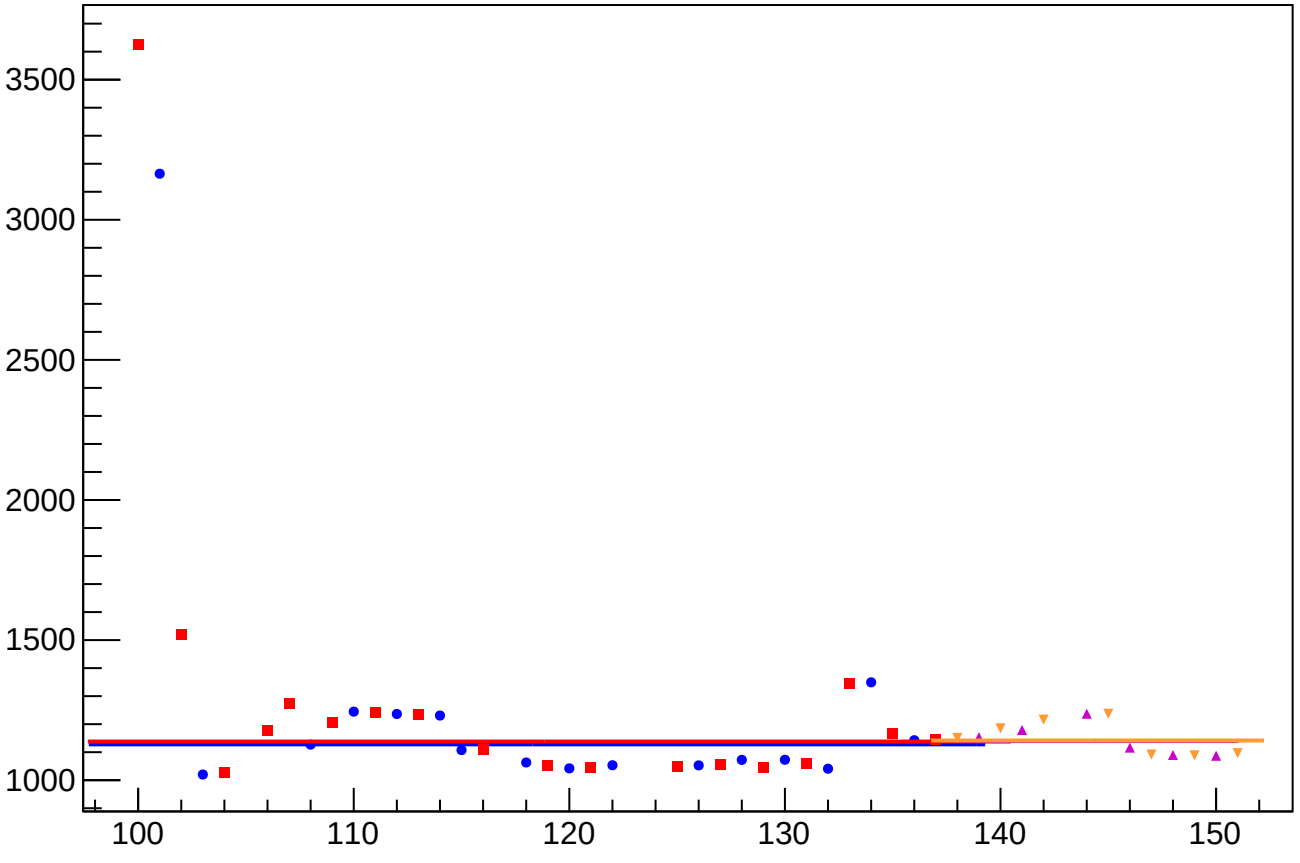
Left In: 725.878+/-496.892 χ^2/NDF:4.3/5

\+ sign 220.978+/-323.574 χ^2/NDF: 29.4/22

All: 244.450+/-229.473 χ^2/NDF: 55.8/46

\- sign 268.200+/-325.482 χ^2/NDF: 26.4/23

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: 1141.661+/-0.348 χ^2/NDF:25663.0/6

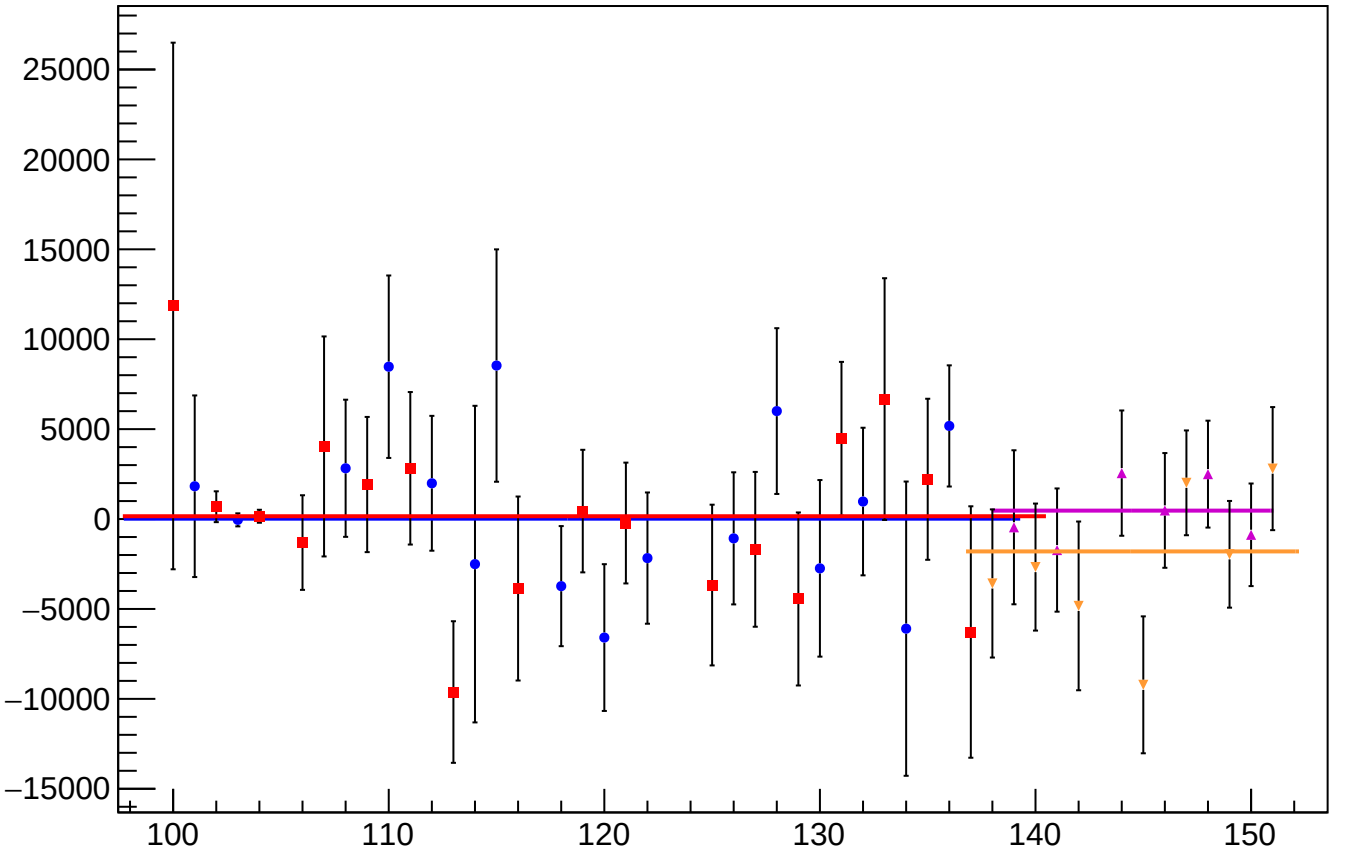
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1139.659+/-0.351 χ^2/NDF:21878.7/5

+ sign 1133.899+/-0.229 χ^2/NDF: 647932.3/22

All: 1136.292+/-0.162 χ^2/NDF: 890668.2/46

- sign 1138.711+/-0.230 χ^2/NDF: 242516.0/23



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -1800.187+/-1324.259 χ^2/NDF:8.0/6

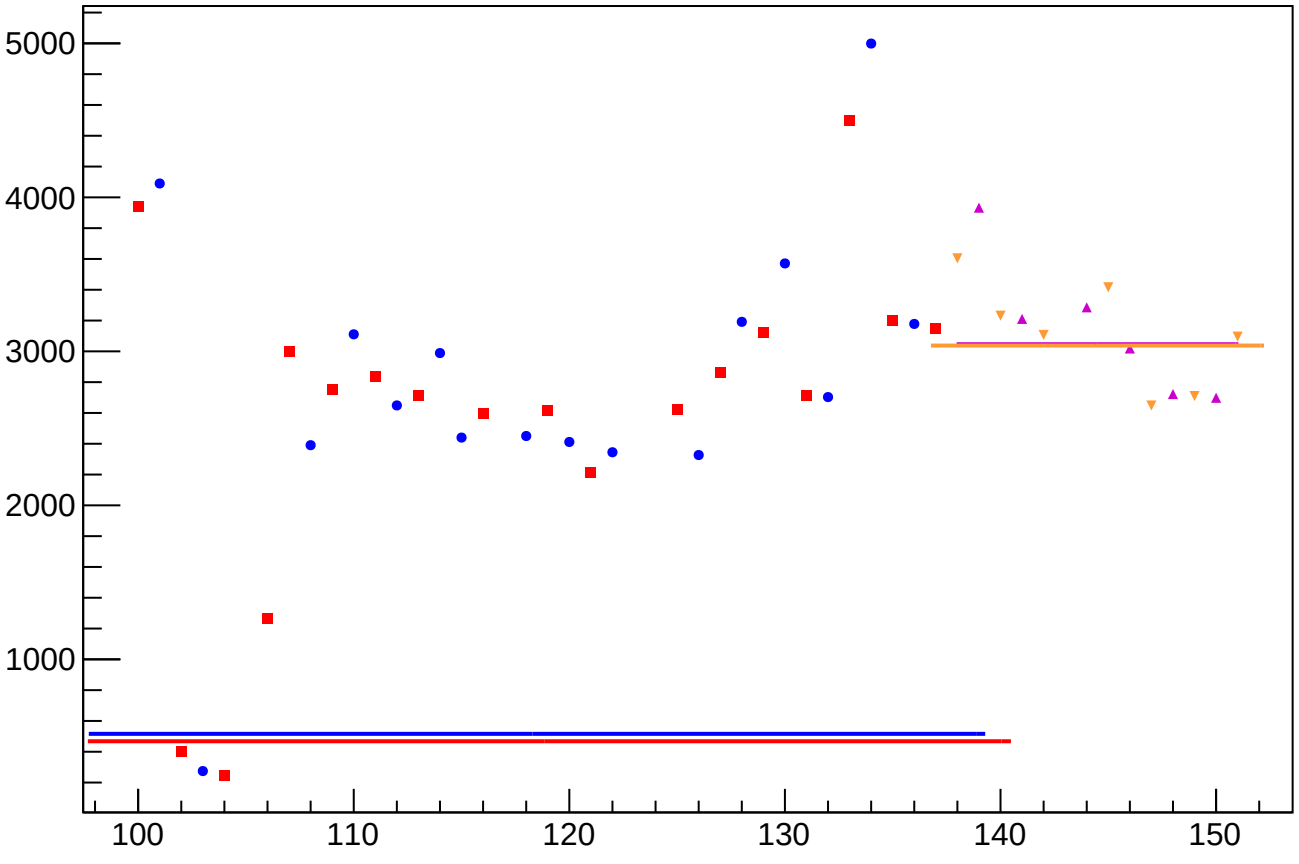
Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: 468.613+/-1340.543 χ^2/NDF:1.5/5

\+ sign -93.850+/-333.426 χ^2/NDF: 24.6/22

All: 49.677+/-226.573 χ^2/NDF: 40.5/46

\- sign 172.810+/-308.830 χ^2/NDF: 15.5/23



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3037.663+/-0.936 χ^2/NDF:124707.9/6

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

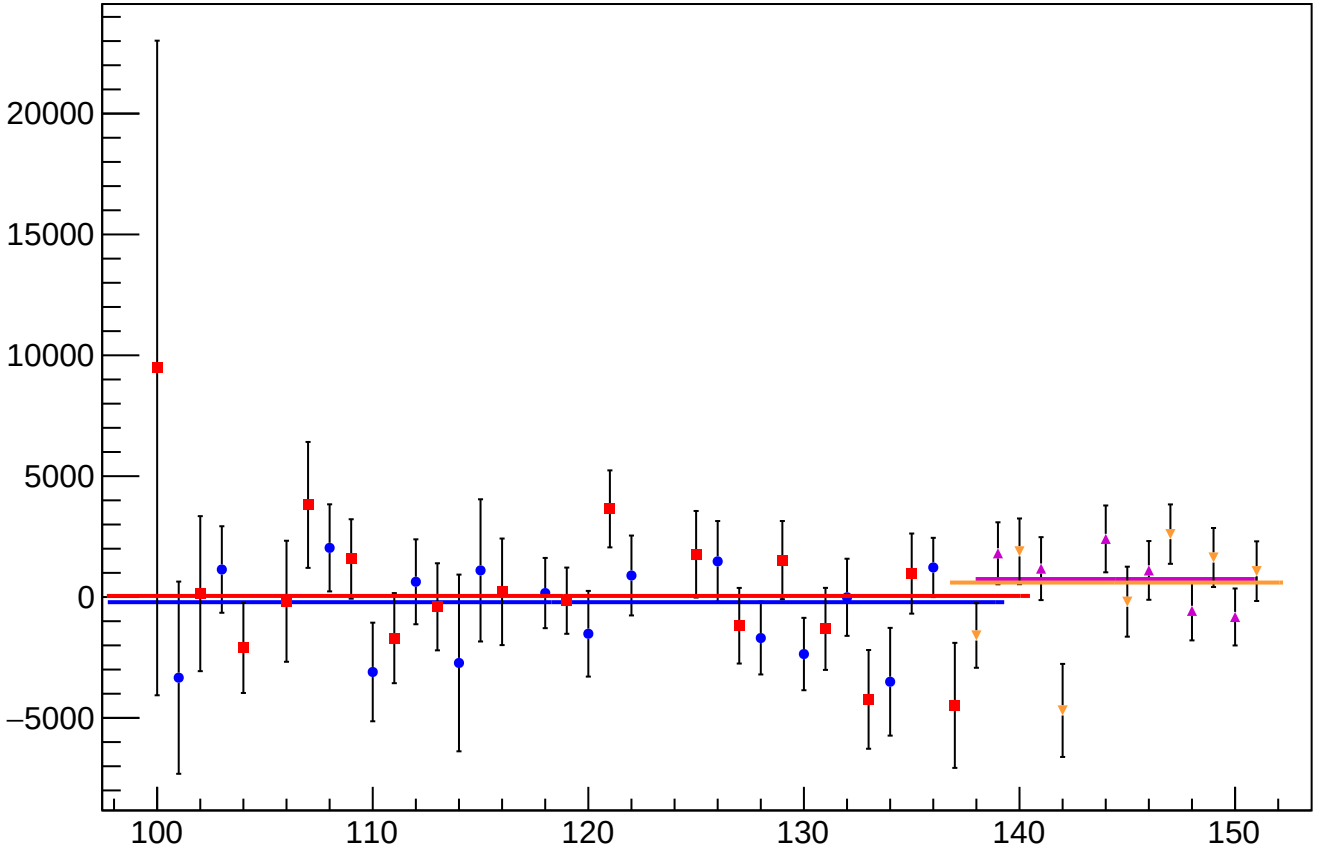
Left In: 3046.392+/-0.948 χ^2/NDF:153362.3/5

+ sign 676.138+/-0.236 χ^2/NDF: 16750048.5/22

All: 637.795+/-0.160 χ^2/NDF: 33069644.3/46

- sign 604.901+/-0.218 χ^2/NDF: 16270457.7/23

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -213.079+/-442.684 χ^2/NDF: 14.3/15

Left Out: 599.341+/-510.576 χ^2/NDF:15.0/6

Right Out: 45.535+/-447.221 χ^2/NDF: 21.7/17

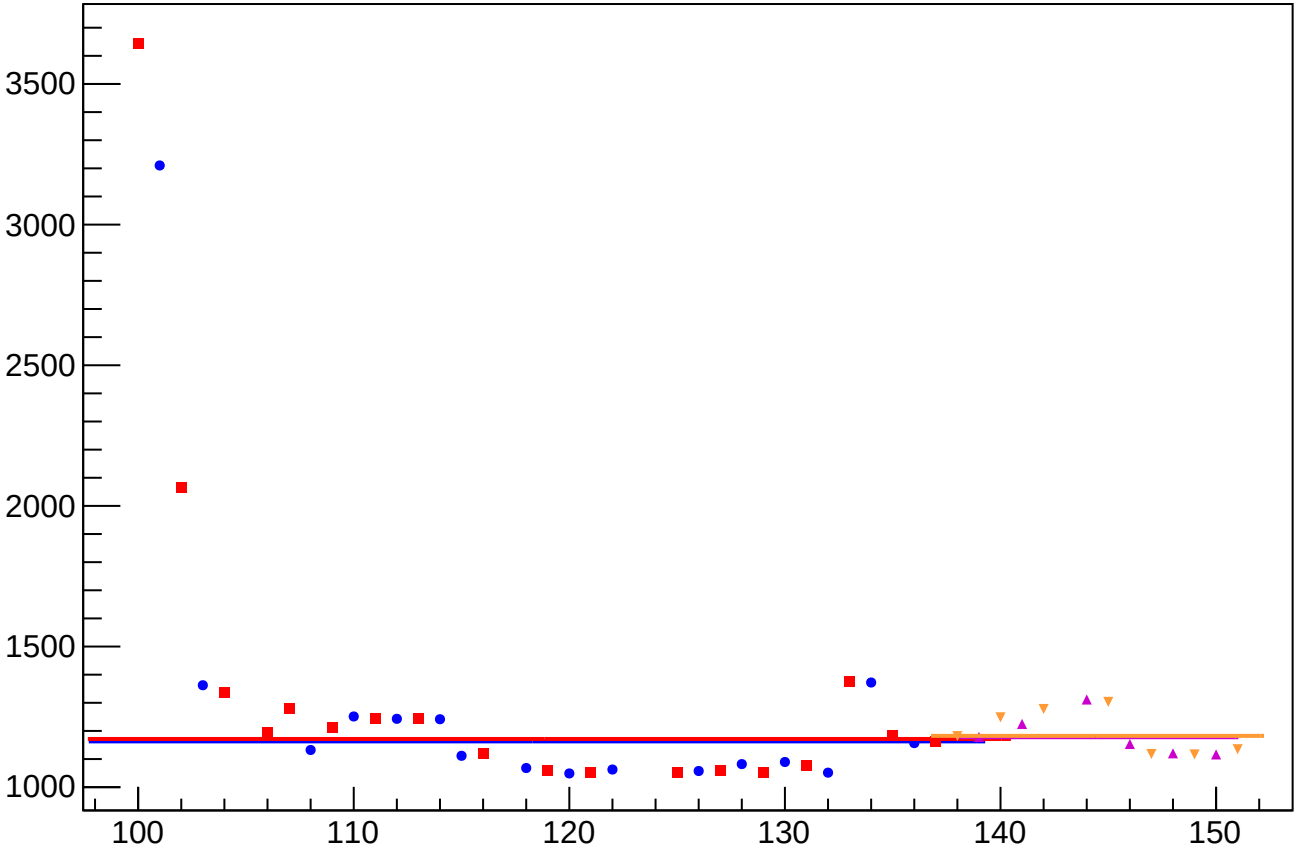
Left In: 744.619+/-513.777 χ^2/NDF:5.3/5

+ sign 135.561+/-334.472 χ^2/NDF: 30.7/22

All: 240.328+/-237.510 χ^2/NDF: 58.9/46

- sign 346.891+/-337.326 χ^2/NDF: 28.0/23

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1182.491+/-0.361 χ^2/NDF:37875.6/6

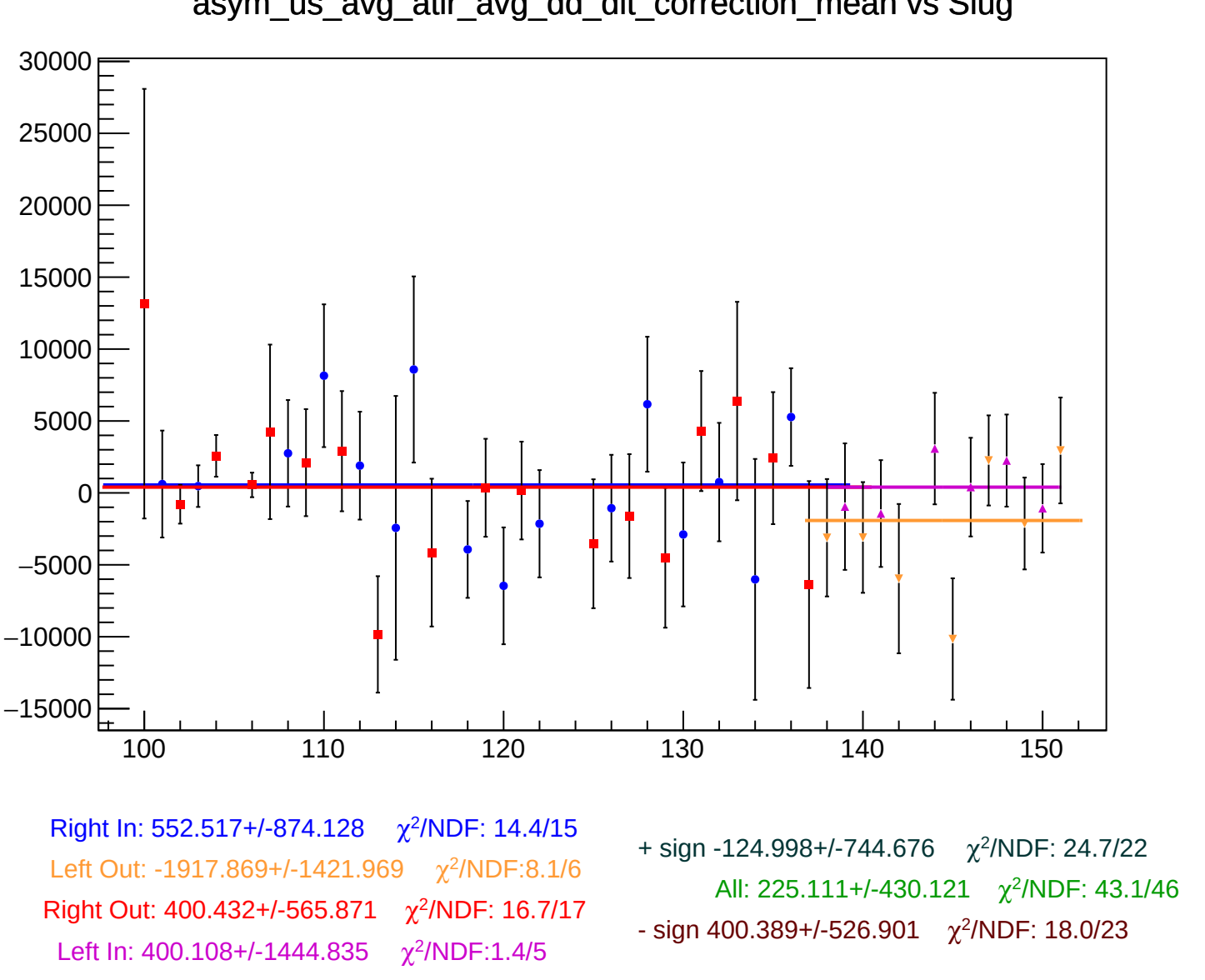
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

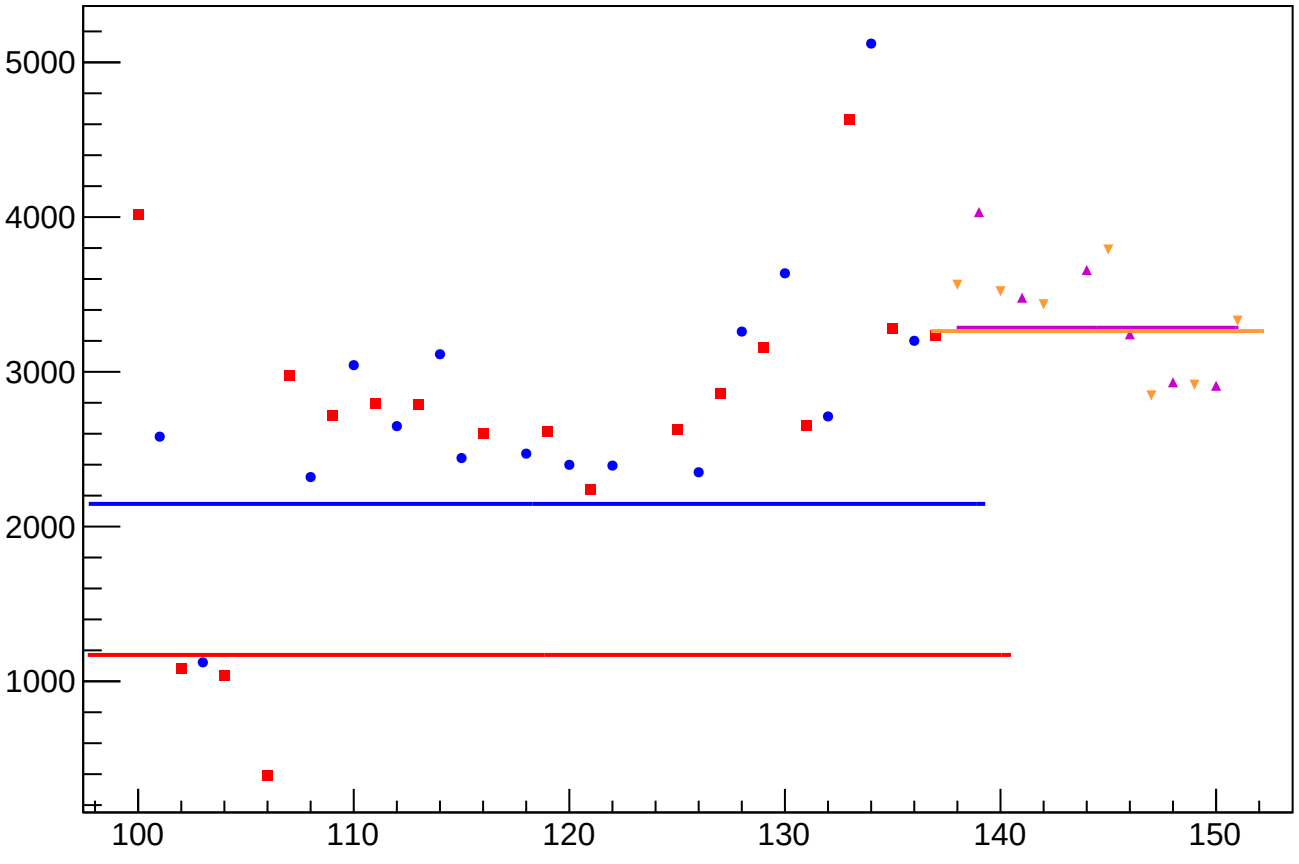
Left In: 1177.640+/-0.363 χ^2/NDF:32018.4/5

+ sign 1171.279+/-0.237 χ^2/NDF: 674918.2/22

All: 1172.678+/-0.168 χ^2/NDF: 1038814.8/46

- sign 1174.100+/-0.238 χ^2/NDF: 363826.0/23


asym_us_avg_atlr_avg_dd_dit_correction_mean vs Slug
30000
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: 552.517+/-874.128 χ²/NDF: 14.4/15
Left Out: -1917.869+/-1421.969 χ²/NDF:8.1/6
Right Out: 400.432+/-565.871 χ²/NDF: 16.7/17
Left In: 400.108+/-1444.835 χ²/NDF:1.4/5
+ sign -124.998+/-744.676 χ²/NDF: 24.7/22
All: 225.111+/-430.121 χ²/NDF: 43.1/46
- sign 400.389+/-526.901 χ²/NDF: 18.0/23



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3263.328+/-1.005 χ^2/NDF:112571.9/6

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

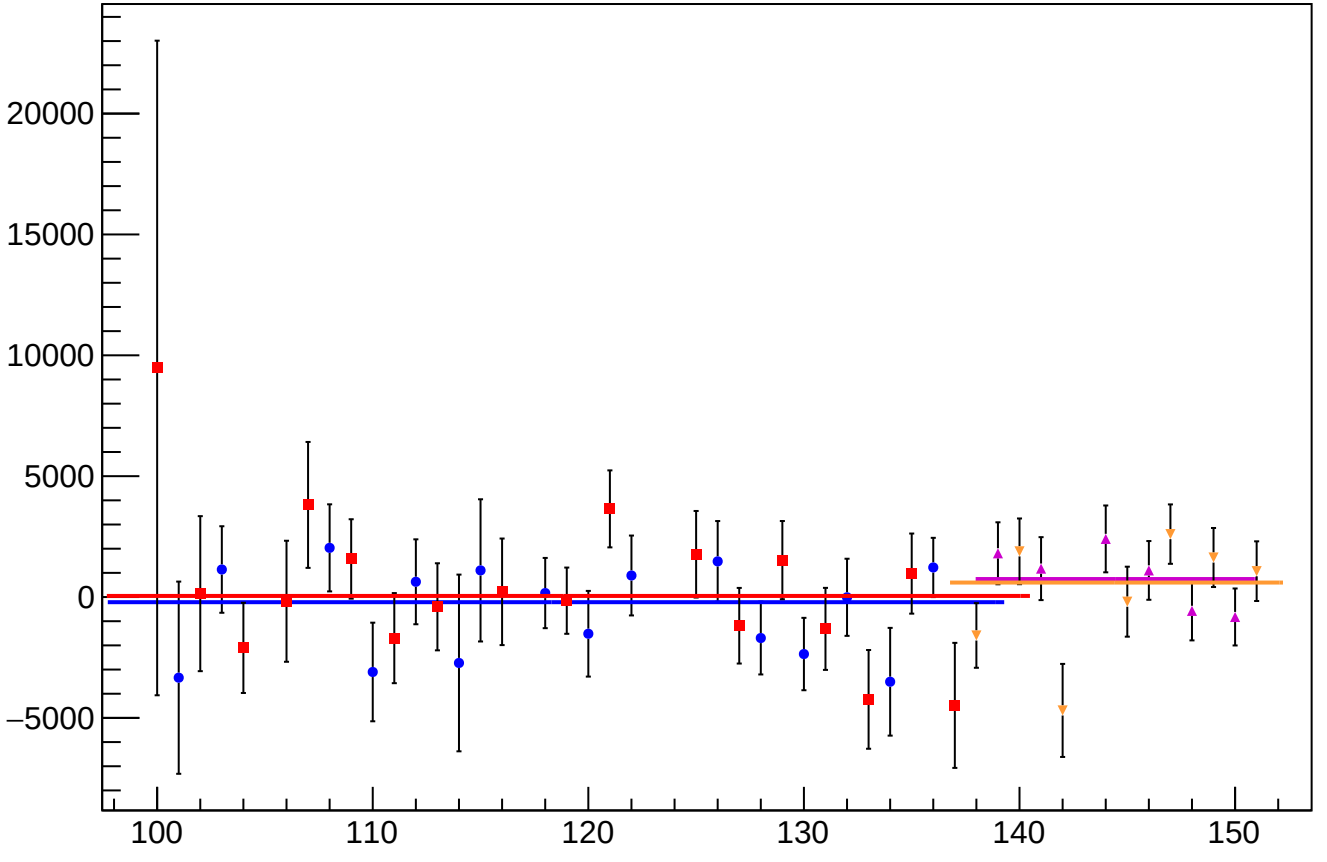
Left In: 3284.932+/-1.022 χ^2/NDF:135998.7/5

+ sign 2452.880+/-0.527 χ^2/NDF: 2982488.1/22

All: 1785.753+/-0.304 χ^2/NDF: 15058121.4/4

- sign 1451.764+/-0.373 χ^2/NDF: 9666901.9/23

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: 599.335+/-510.576 χ^2/NDF:15.0/6

Right Out: 45.539+/-447.221 χ^2/NDF: 21.7/17

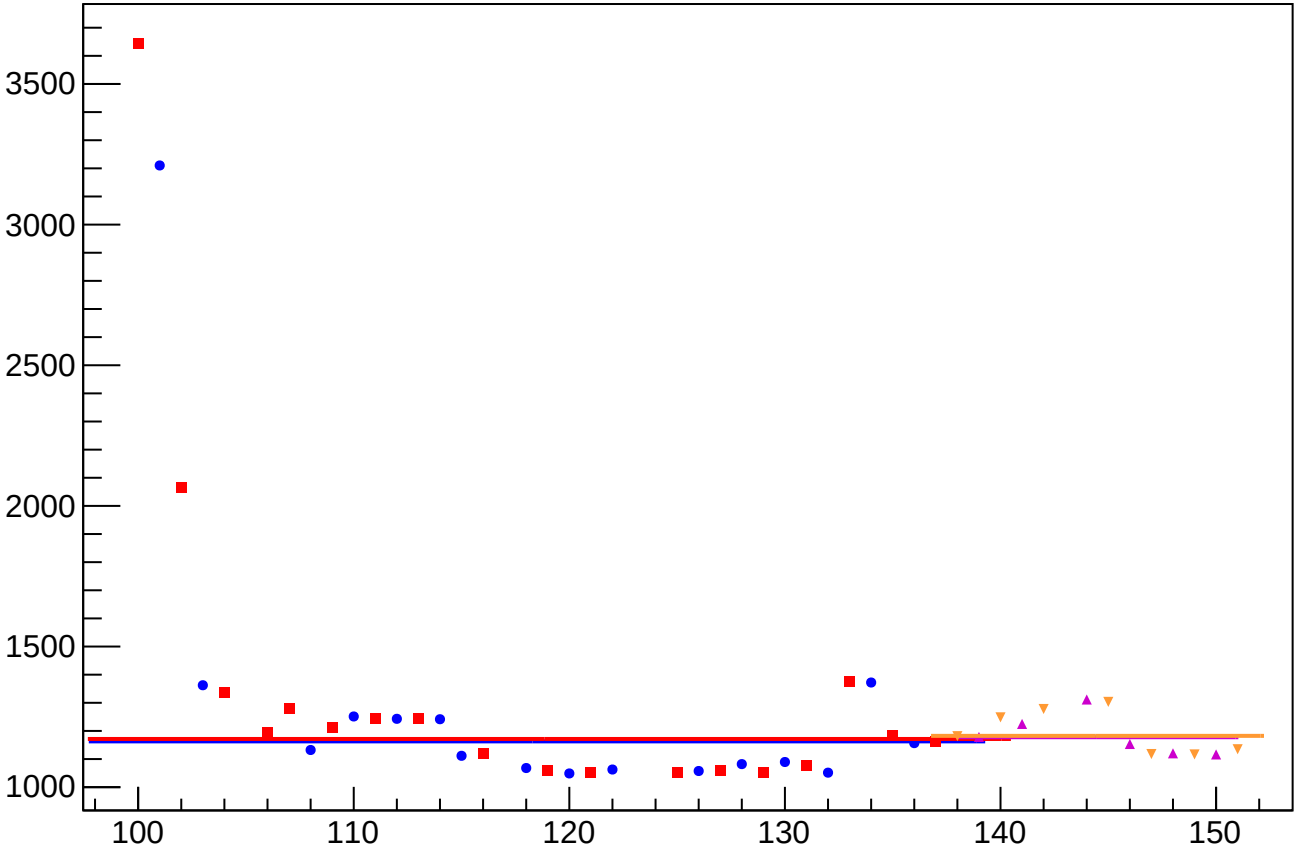
Left In: 744.617+/-513.778 χ^2/NDF:5.3/5

+ sign 135.557+/-334.472 χ^2/NDF: 30.7/22

All: 240.327+/-237.510 χ^2/NDF: 58.9/46

- sign 346.892+/-337.326 χ^2/NDF: 28.0/23

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.6/15

Left Out: 1182.491+/-0.361 χ^2/NDF:37876.0/6

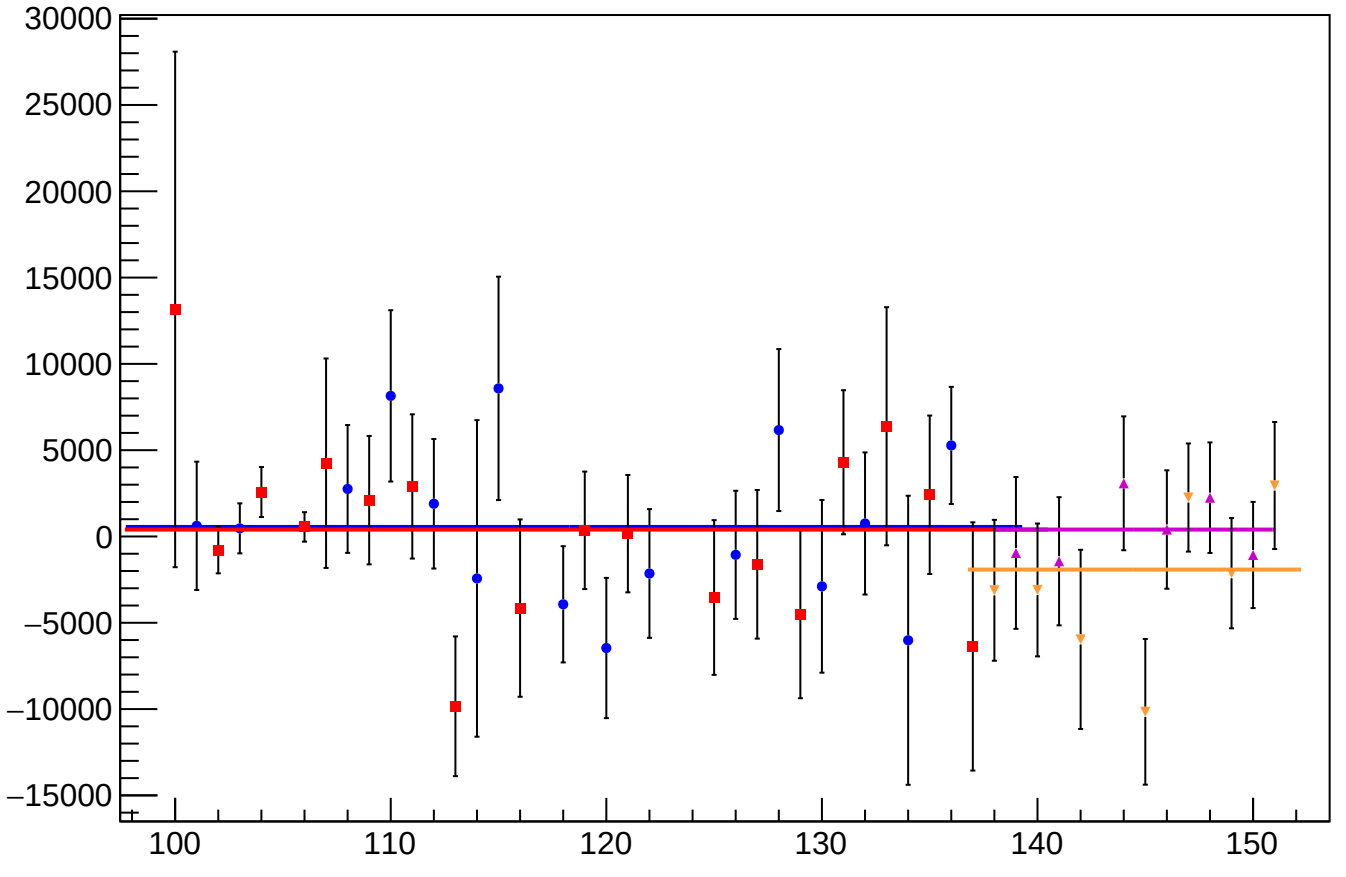
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1177.641+/-0.363 χ^2/NDF:32018.5/5

+ sign 1171.280+/-0.237 χ^2/NDF: 674919.0/22

All: 1172.678+/-0.168 χ^2/NDF: 1038815.4/46

- sign 1174.101+/-0.238 χ^2/NDF: 363825.9/23



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: -1917.873+/-1421.971 χ^2/NDF:8.1/6

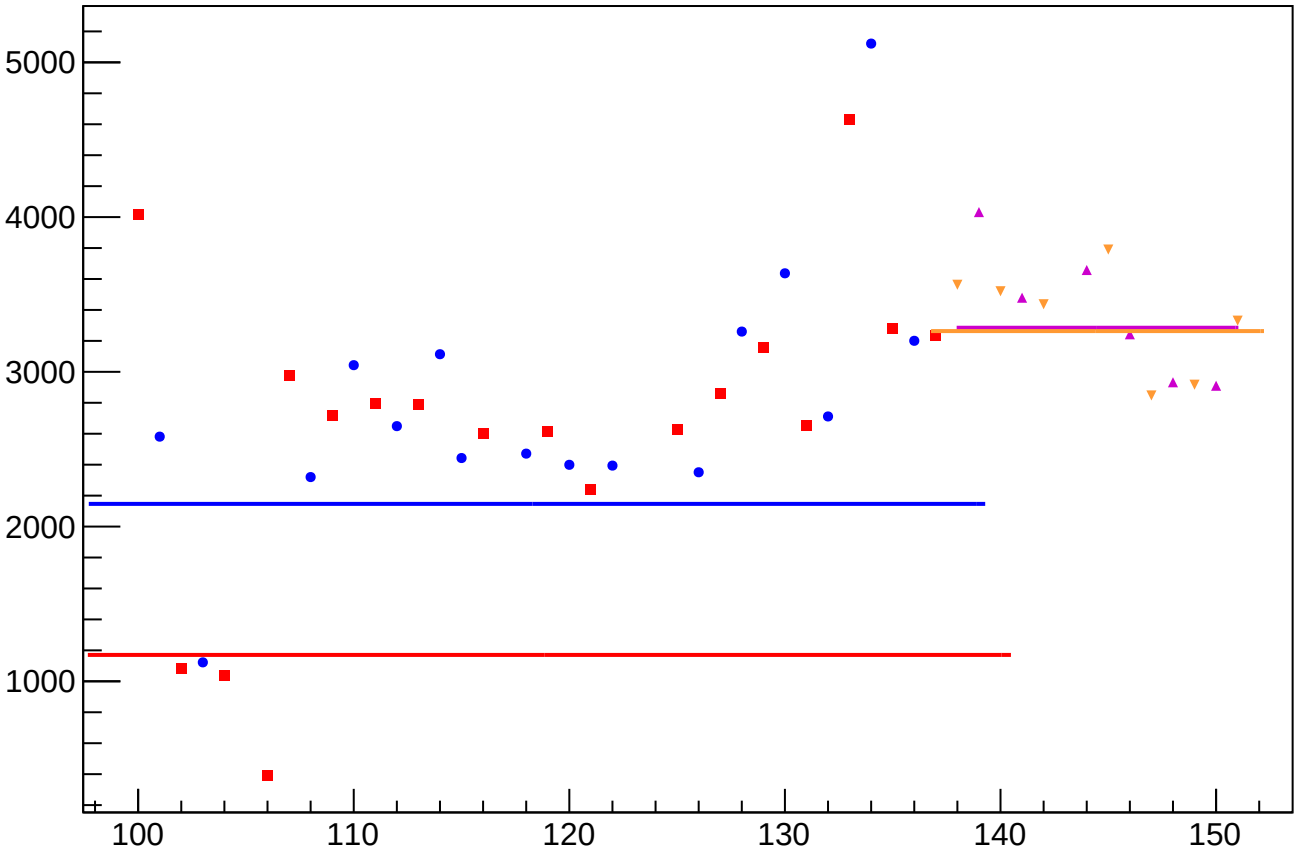
Right Out: 400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: 400.105+/-1444.837 χ^2/NDF:1.4/5

+ sign -125.001+/-744.675 χ^2/NDF: 24.7/22

All: 225.113+/-430.118 χ^2/NDF: 43.1/46

- sign 400.390+/-526.896 χ^2/NDF: 18.0/23



Right In: 2146.613+/-0.618 χ^2/NDF: 1974719.3/15

Left Out: 3263.332+/-1.005 χ^2/NDF:112573.0/6

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

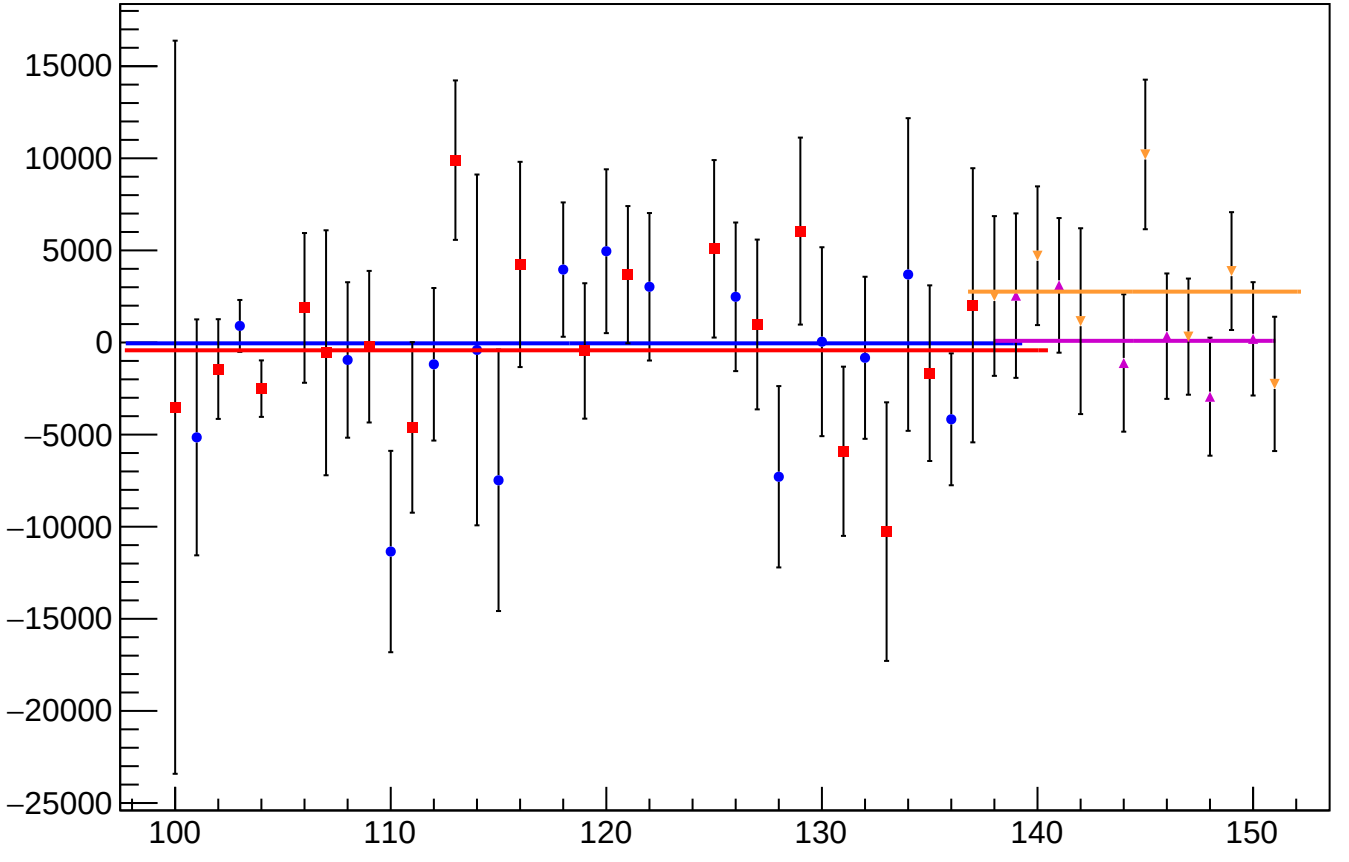
Left In: 3284.936+/-1.022 χ^2/NDF:135999.7/5

+ sign 2452.877+/-0.527 χ^2/NDF: 2982494.8/22

All: 1785.731+/-0.304 χ^2/NDF: 15058486.5/4

- sign 1451.738+/-0.373 χ^2/NDF: 9667128.0/23

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -44.874+/-920.736 χ^2/NDF: 13.7/15

Left Out: 2761.615+/-1418.105 χ^2/NDF:6.3/6

Right Out: -423.476+/-896.736 χ^2/NDF: 17.3/17

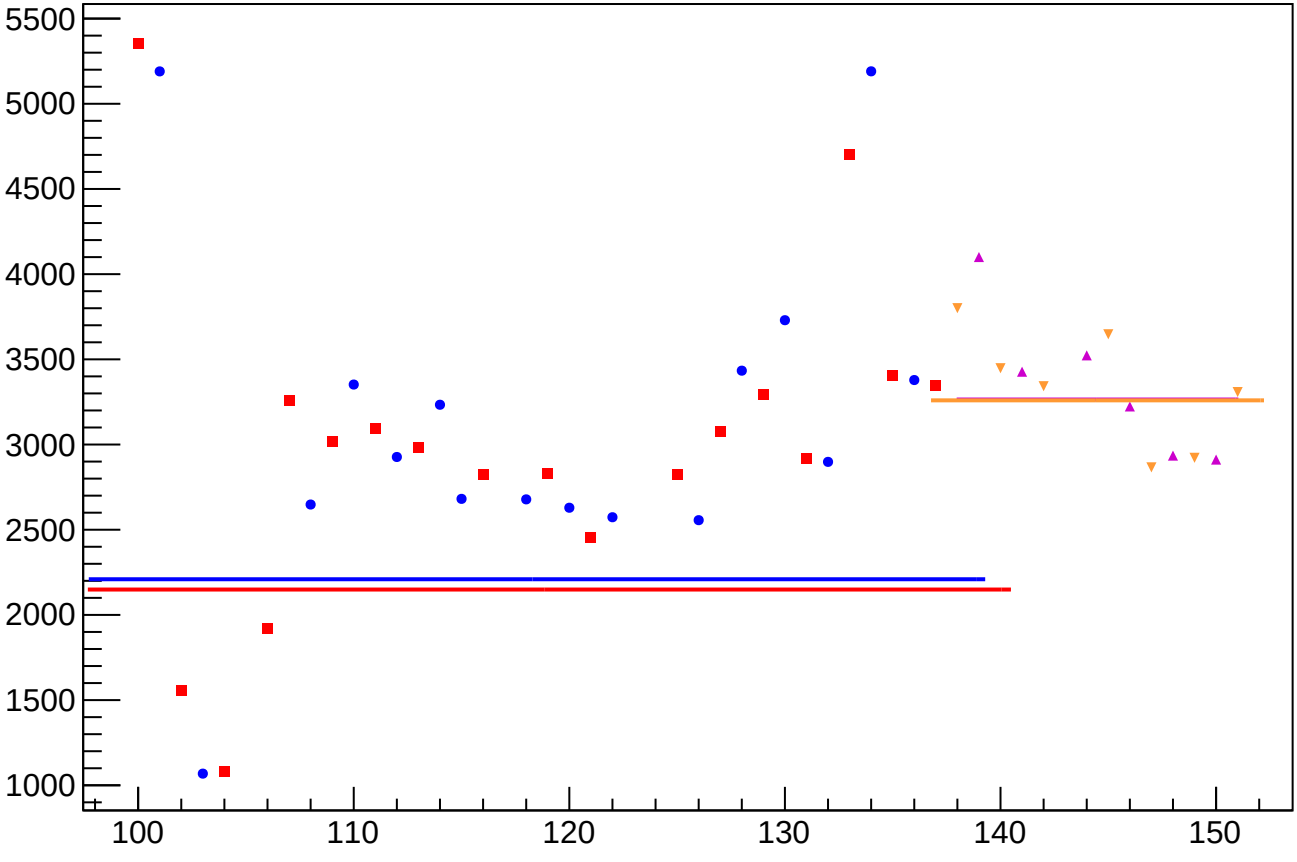
Left In: 90.570+/-1433.922 χ^2/NDF:2.0/5

+ sign 787.375+/-772.242 χ^2/NDF: 22.9/22

All: 245.902+/-541.787 χ^2/NDF: 43.2/46

- sign -278.957+/-760.303 χ^2/NDF: 19.4/23

asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3259.322+/-1.003 χ^2/NDF:108647.0/6

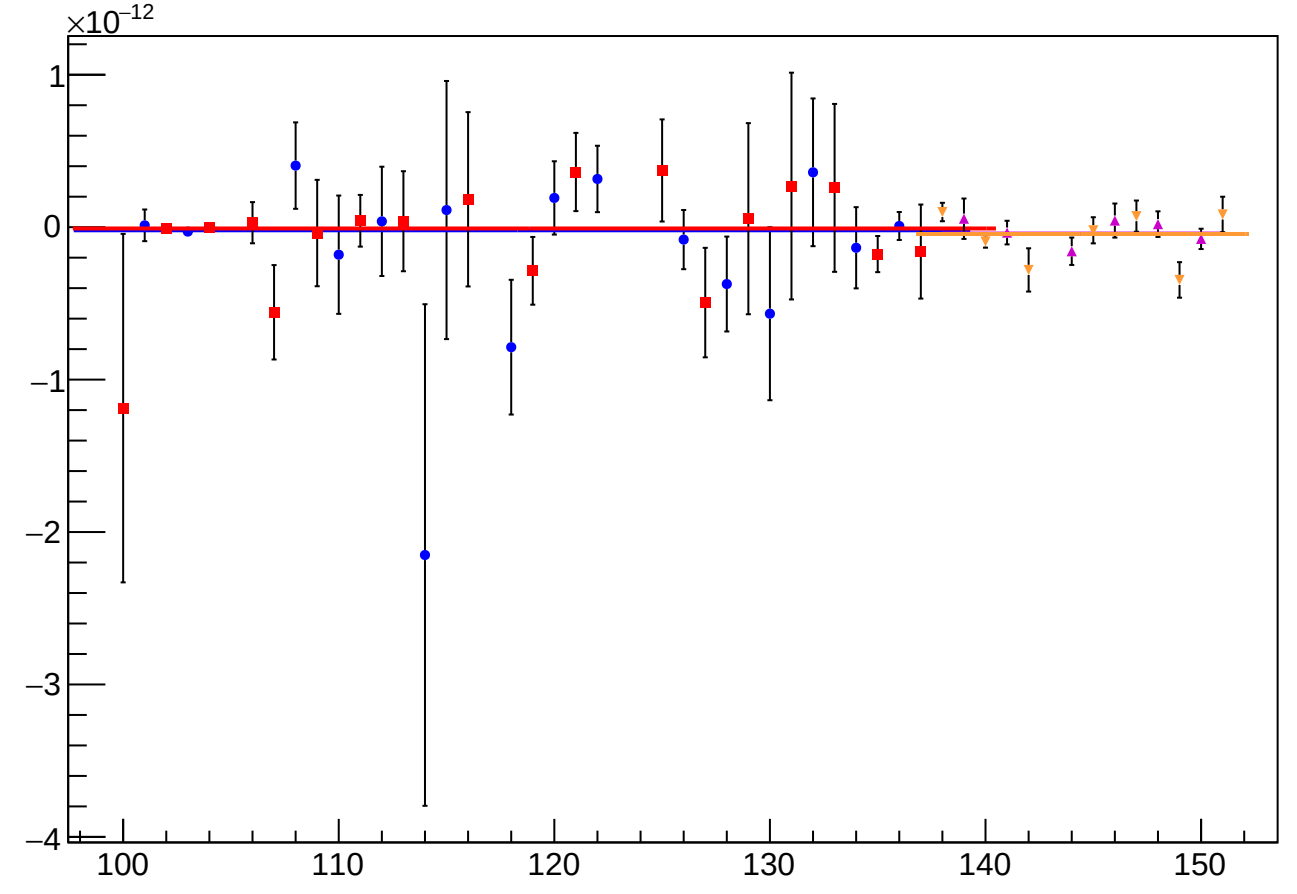
Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3264.214+/-1.014 χ^2/NDF:131510.9/5

+ sign 2520.712+/-0.546 χ^2/NDF: 3716792.6/22

All: 2490.551+/-0.383 χ^2/NDF: 6994853.9/46

- sign 2461.415+/-0.537 χ^2/NDF: 3272063.5/23



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/6

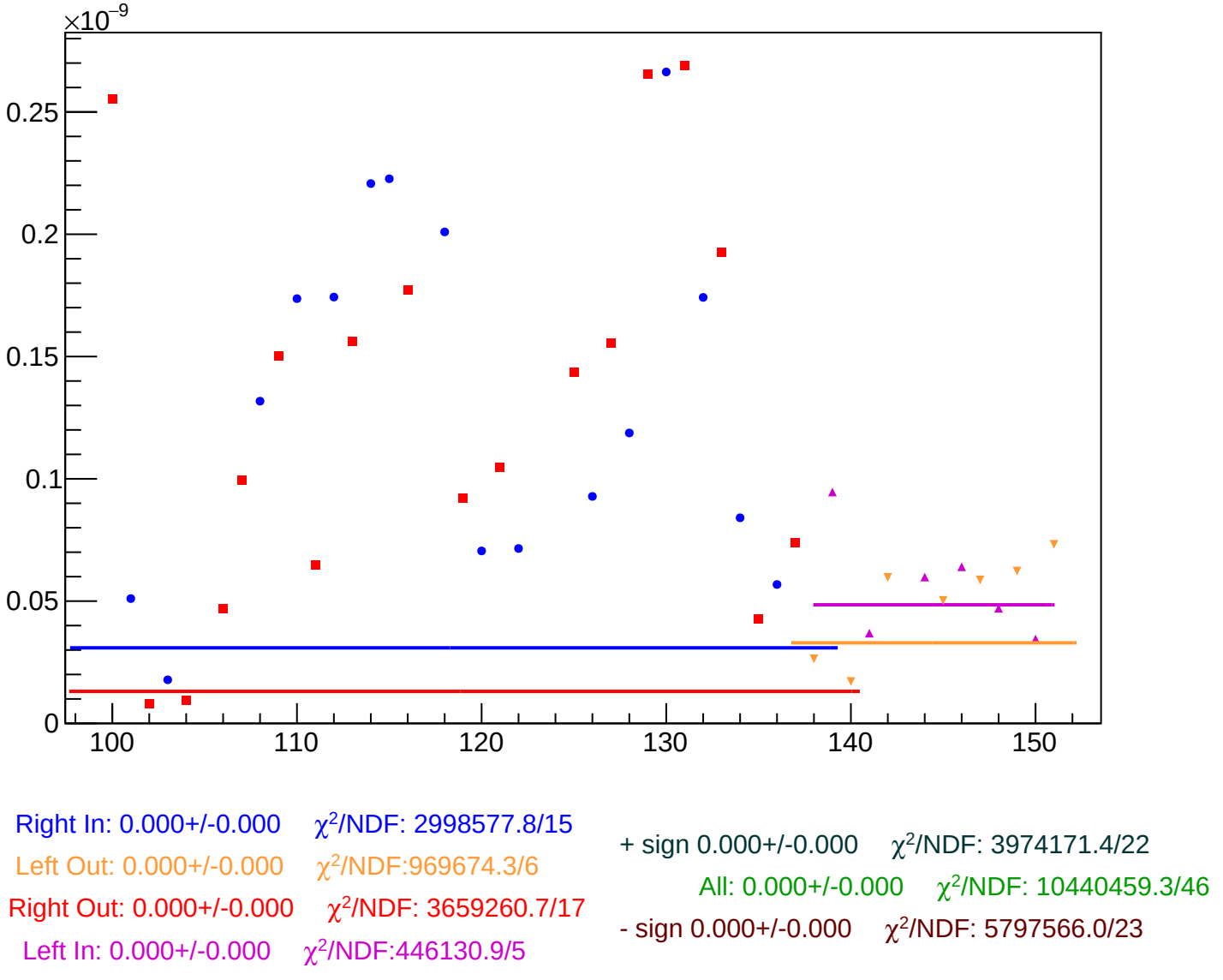
Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/17

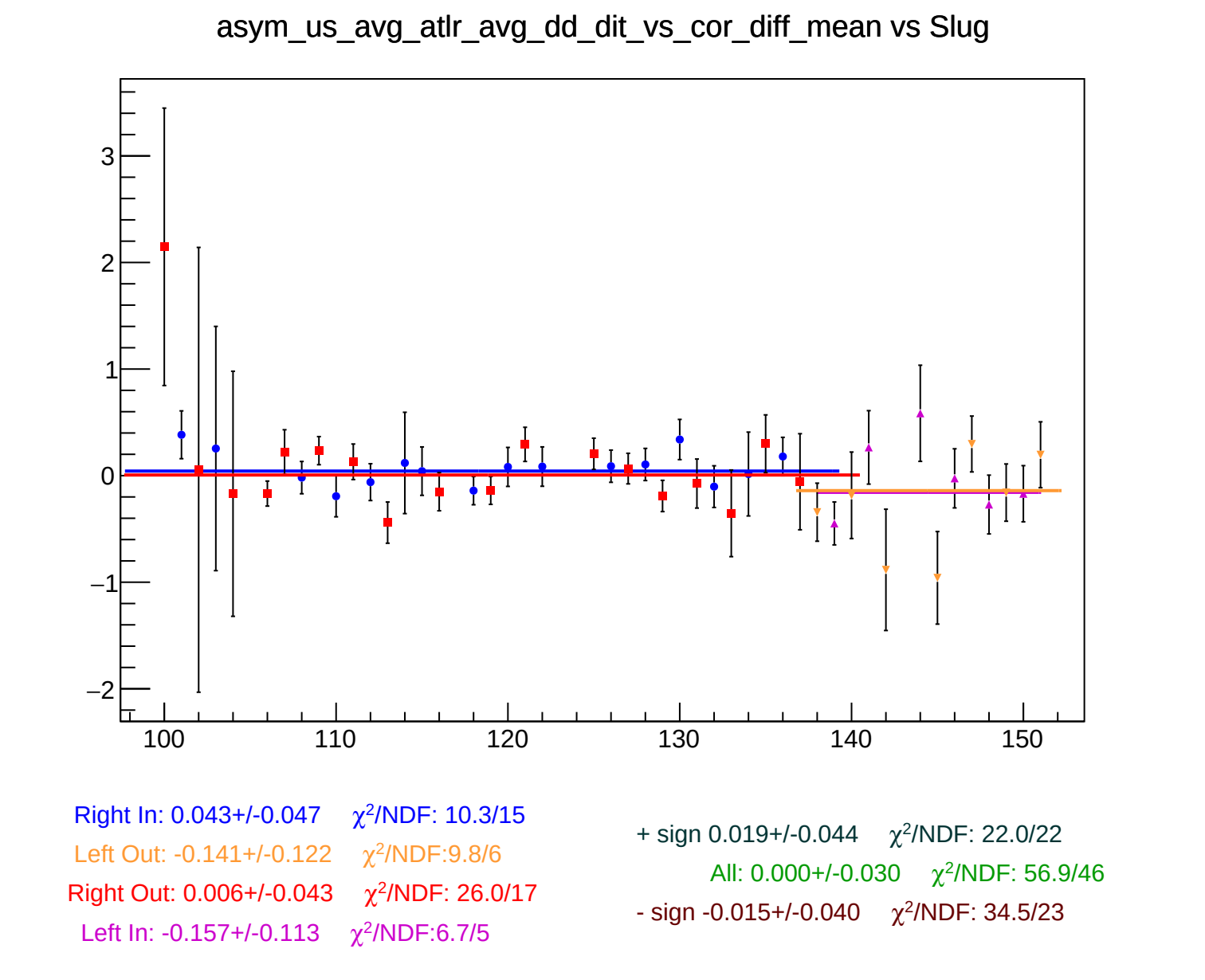
Left In: -0.000+/-0.000 χ^2/NDF:3.6/5

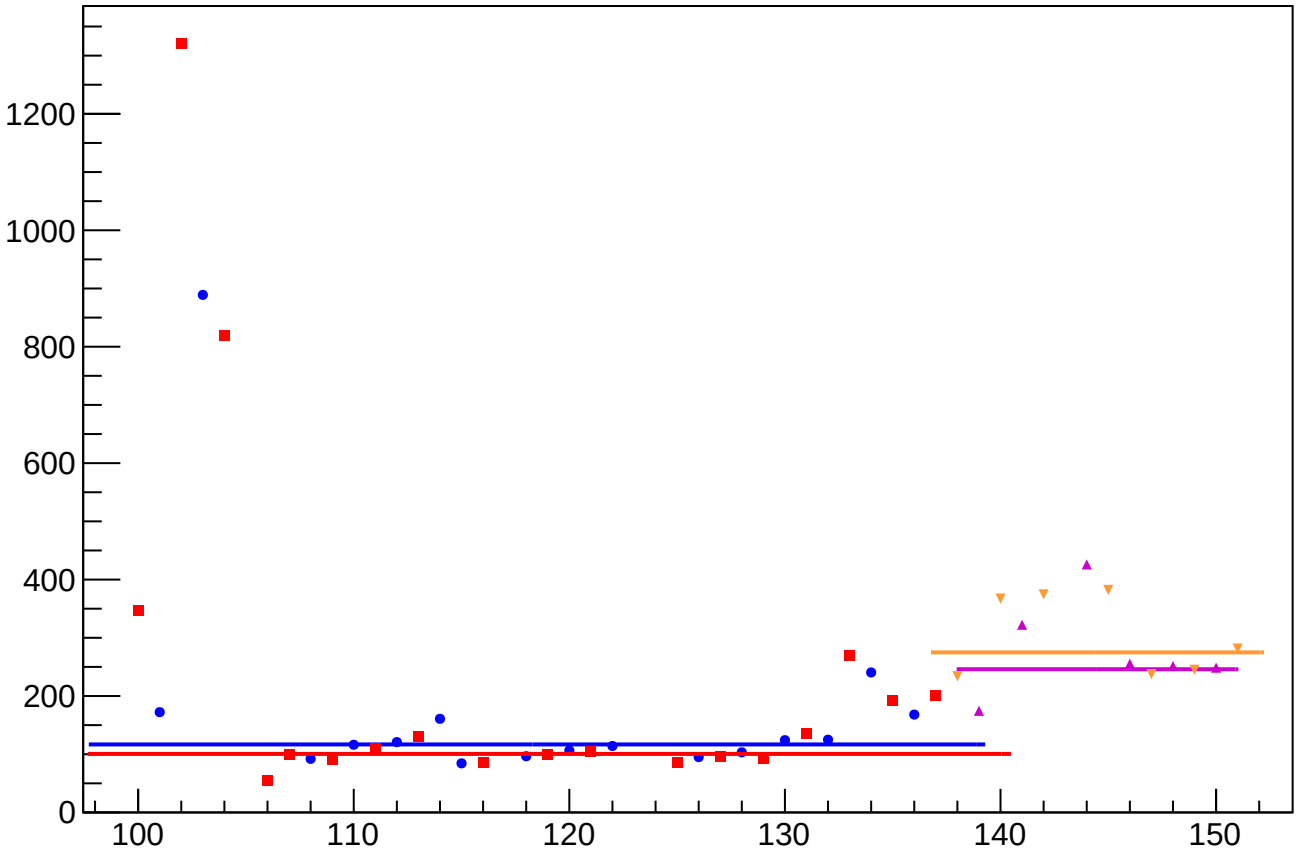
+ sign -0.000+/-0.000 χ^2/NDF: 33.3/22

All: -0.000+/-0.000 χ^2/NDF: 52.3/46

- sign -0.000+/-0.000 χ^2/NDF: 18.4/23


asym_us_avg_atlr_avg_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
Right In: 0.000+/-0.000 χ²/NDF: 2998577.8/15
Left Out: 0.000+/-0.000 χ²/NDF:969674.3/6
Right Out: 0.000+/-0.000 χ²/NDF: 3659260.7/17
Left In: 0.000+/-0.000 χ²/NDF:446130.9/5
+ sign 0.000+/-0.000 χ²/NDF: 3974171.4/22
All: 0.000+/-0.000 χ²/NDF: 10440459.3/46
- sign 0.000+/-0.000 χ²/NDF: 5797566.0/23


asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: -0.141+/-0.122 χ²/NDF:9.8/6
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.157+/-0.113 χ²/NDF:6.7/5
+ sign 0.019+/-0.044 χ²/NDF: 22.0/22
All: 0.000+/-0.030 χ²/NDF: 56.9/46
- sign -0.015+/-0.040 χ²/NDF: 34.5/23



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 274.949+/-0.086 χ^2/NDF:398486.1/6

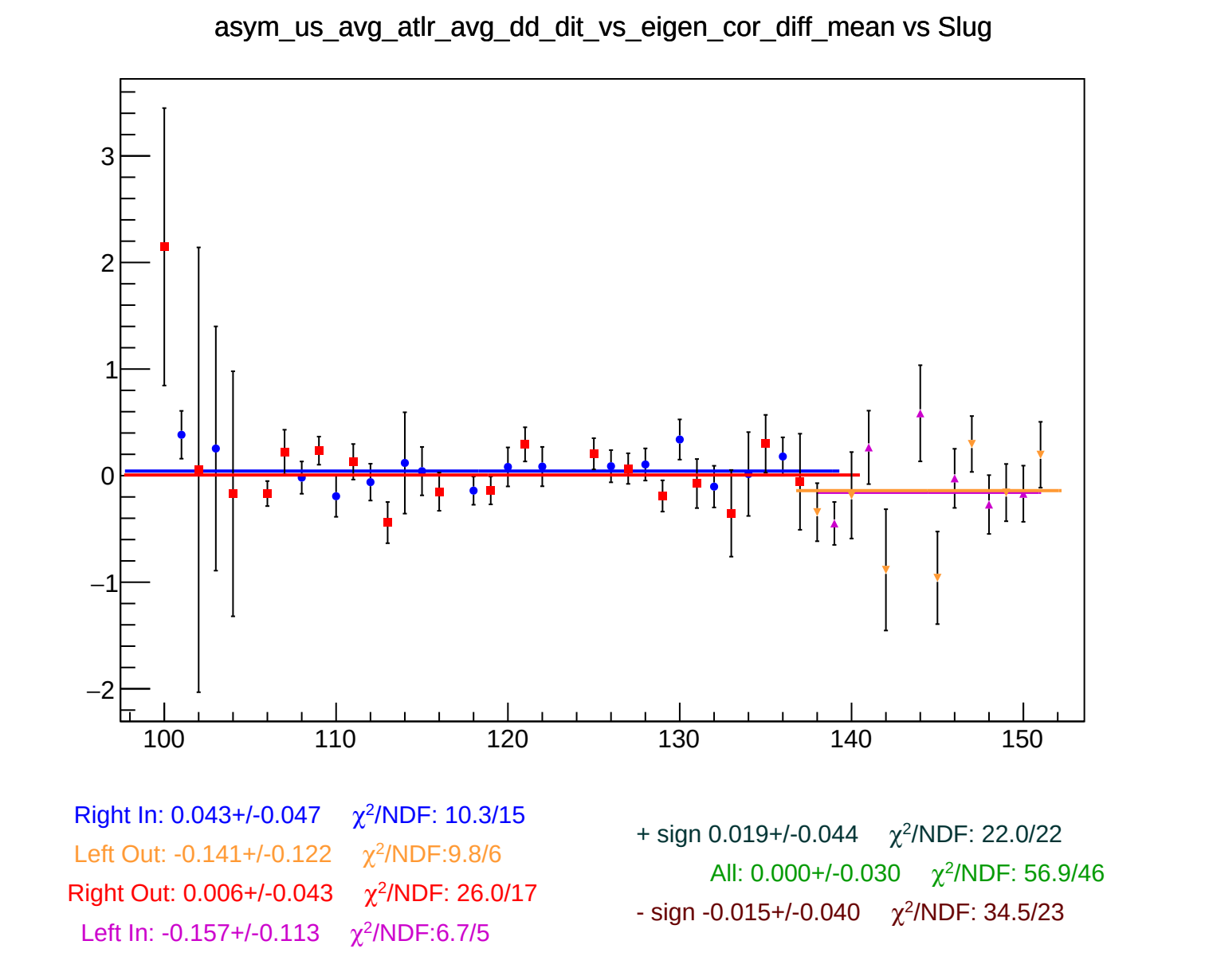
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

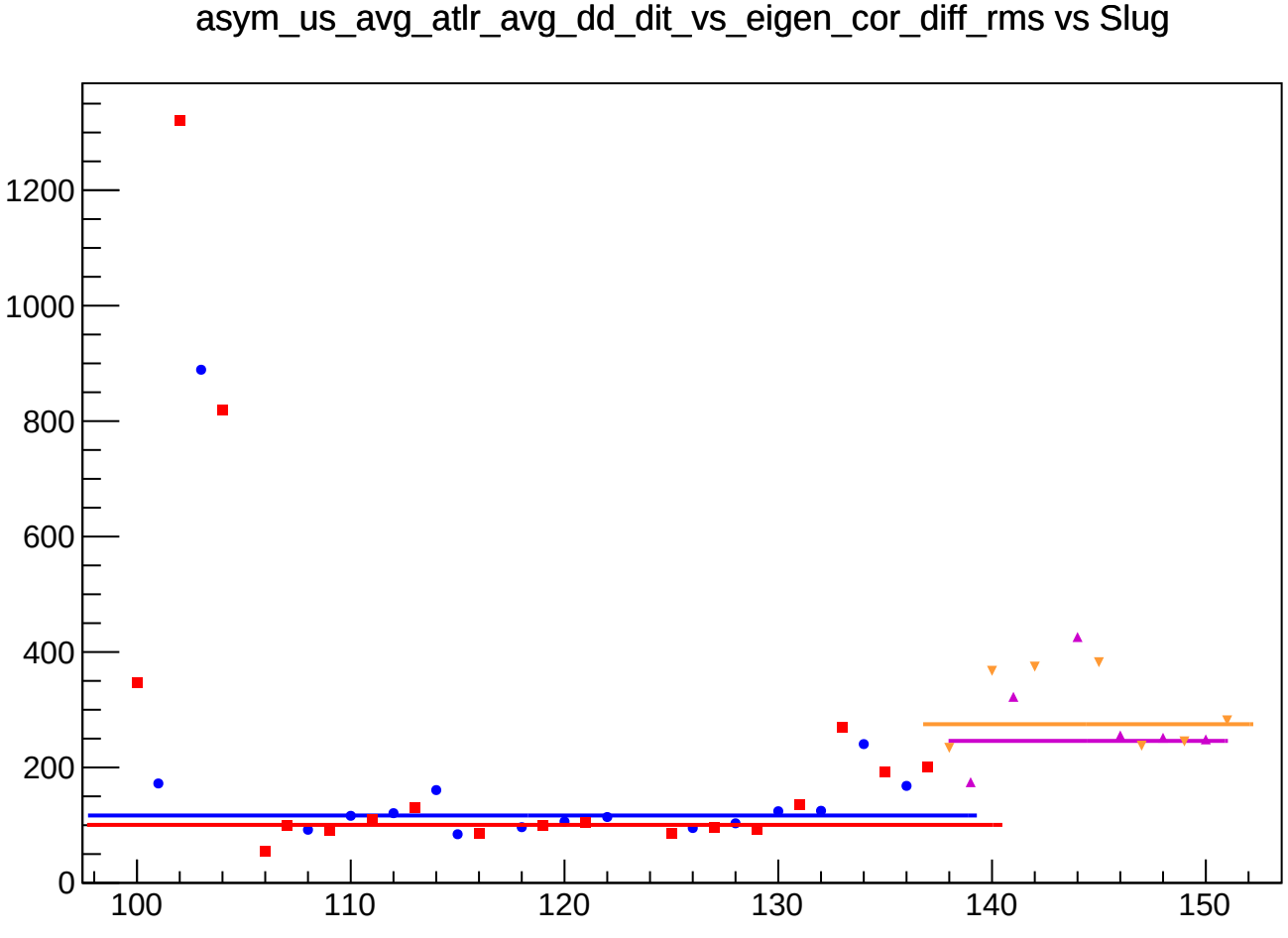
Left In: 246.024+/-0.080 χ^2/NDF:672066.0/5

+ sign 137.531+/-0.031 χ^2/NDF: 4923143.8/22

All: 127.600+/-0.021 χ^2/NDF: 11342114.2/46

- sign 119.286+/-0.029 χ^2/NDF: 6233917.4/23


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
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: -0.141+/-0.122 χ²/NDF:9.8/6
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.157+/-0.113 χ²/NDF:6.7/5
+ sign 0.019+/-0.044 χ²/NDF: 22.0/22
All: 0.000+/-0.030 χ²/NDF: 56.9/46
- sign -0.015+/-0.040 χ²/NDF: 34.5/23



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 274.949+/-0.086 χ^2/NDF:398486.1/6

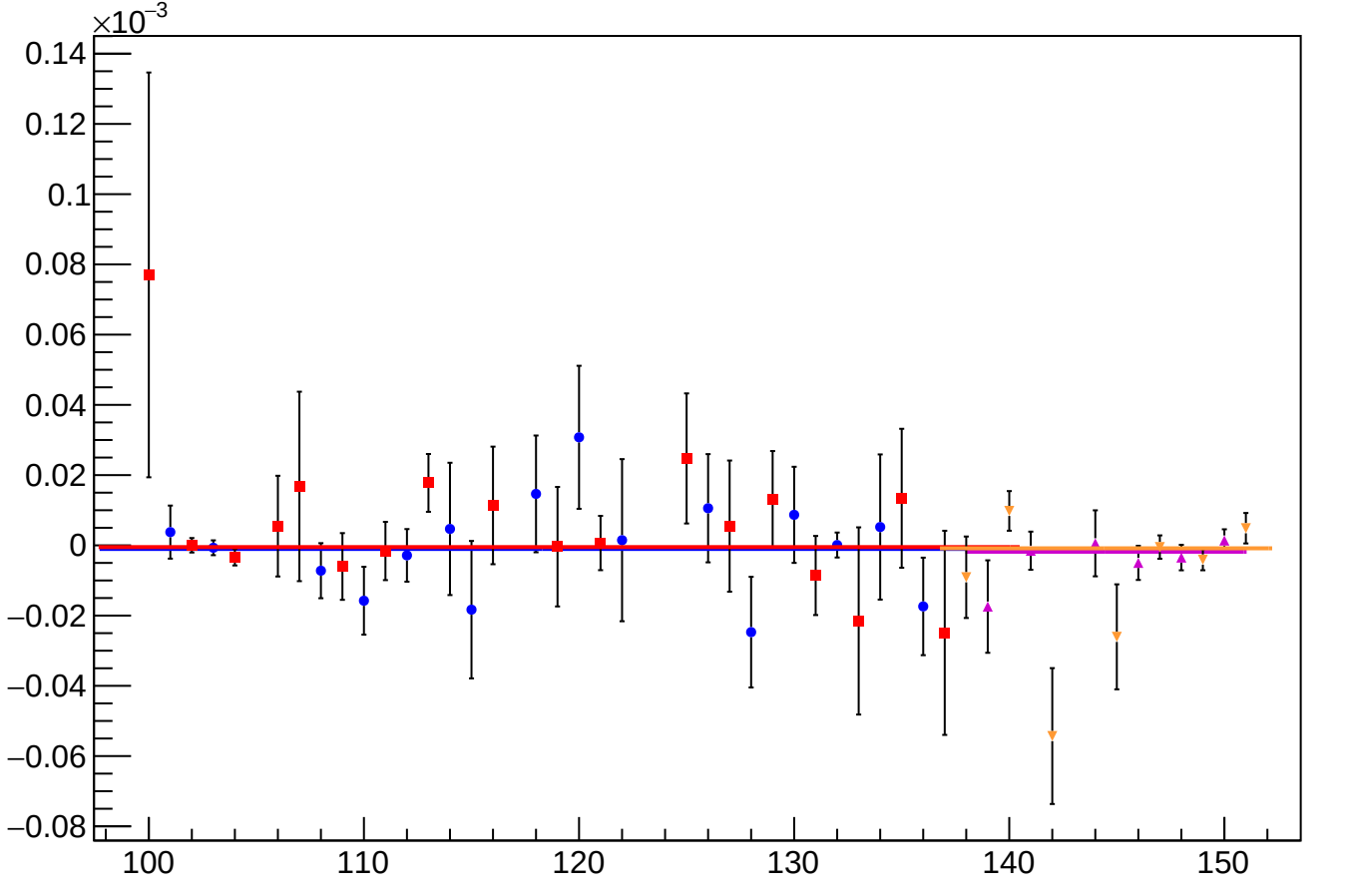
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 246.024+/-0.080 χ^2/NDF:672066.0/5

+ sign 137.531+/-0.031 χ^2/NDF: 4923143.8/22

All: 127.600+/-0.021 χ^2/NDF: 11342114.2/46

- sign 119.286+/-0.029 χ^2/NDF: 6233917.4/23



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.4/6

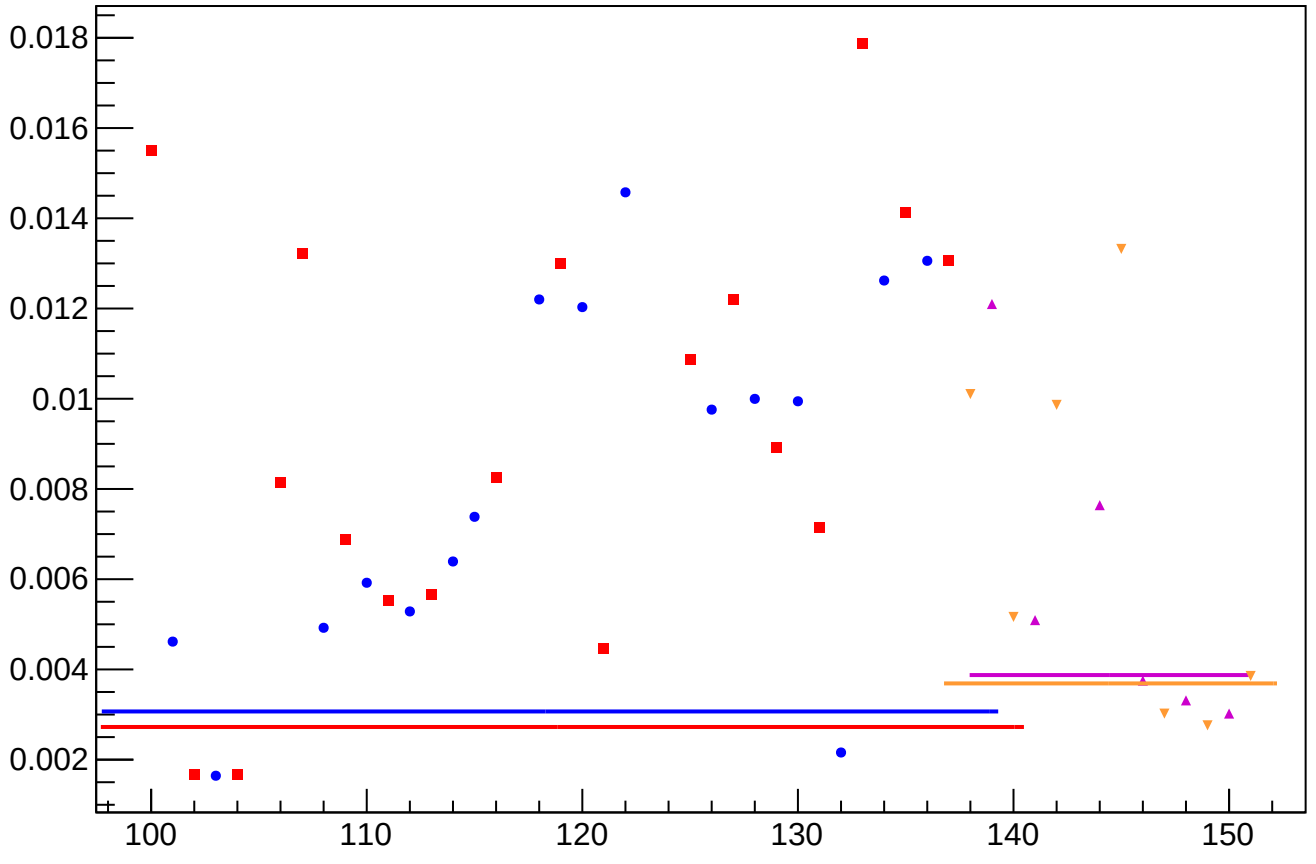
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: -0.000+/-0.000 χ^2/NDF:3.1/5

+ sign -0.000+/-0.000 χ^2/NDF: 30.0/22

All: -0.000+/-0.000 χ^2/NDF: 48.5/46

- sign -0.000+/-0.000 χ^2/NDF: 18.5/23



Right In: 0.003+/-0.000 χ^2/NDF: 5964299.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:2054837.0/6

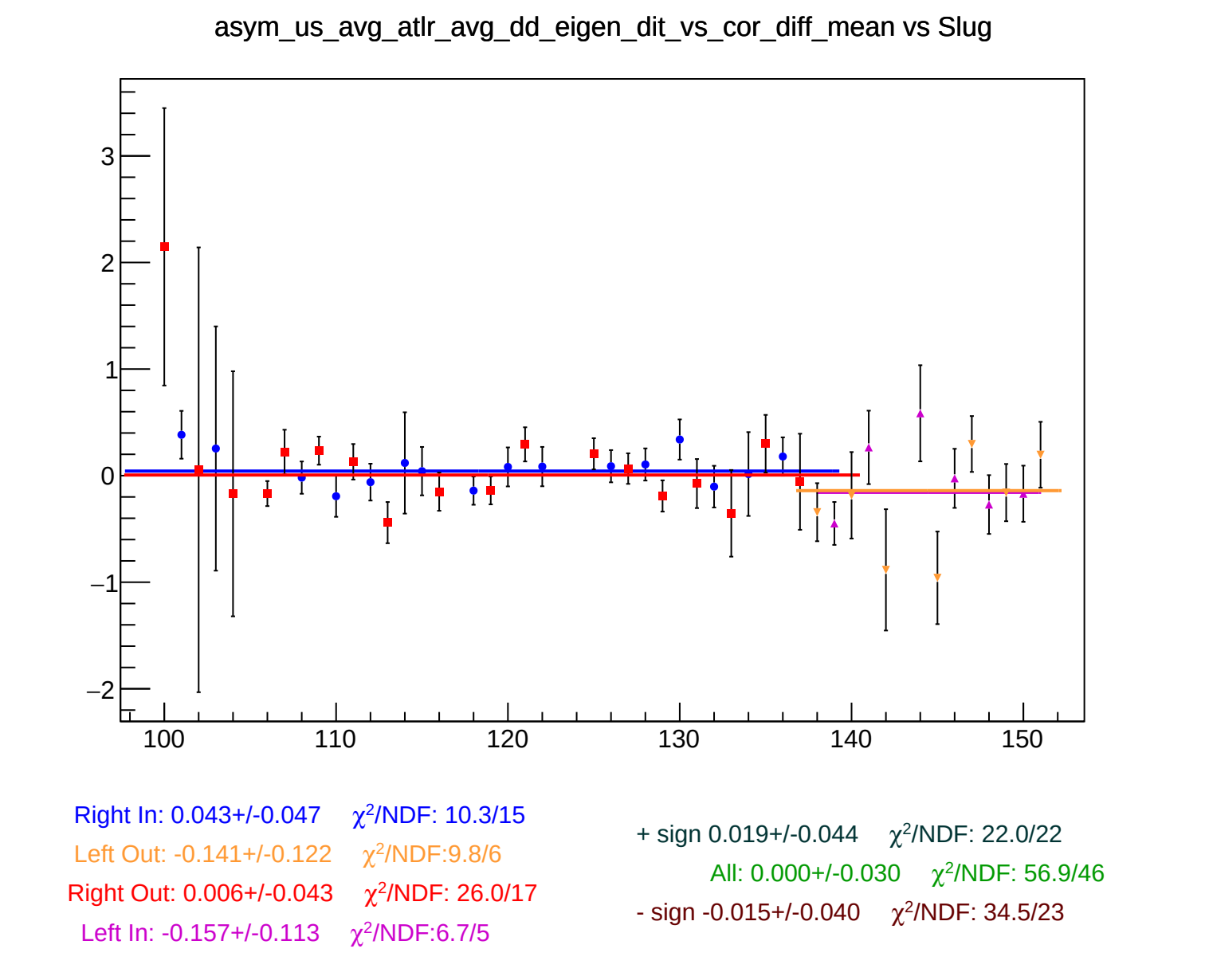
Right Out: 0.003+/-0.000 χ^2/NDF: 6713699.1/17

Left In: 0.004+/-0.000 χ^2/NDF:1394030.5/5

+ sign 0.003+/-0.000 χ^2/NDF: 8151308.3/22

All: 0.003+/-0.000 χ^2/NDF: 16758664.7/46

- sign 0.003+/-0.000 χ^2/NDF: 8573006.2/23


asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
3
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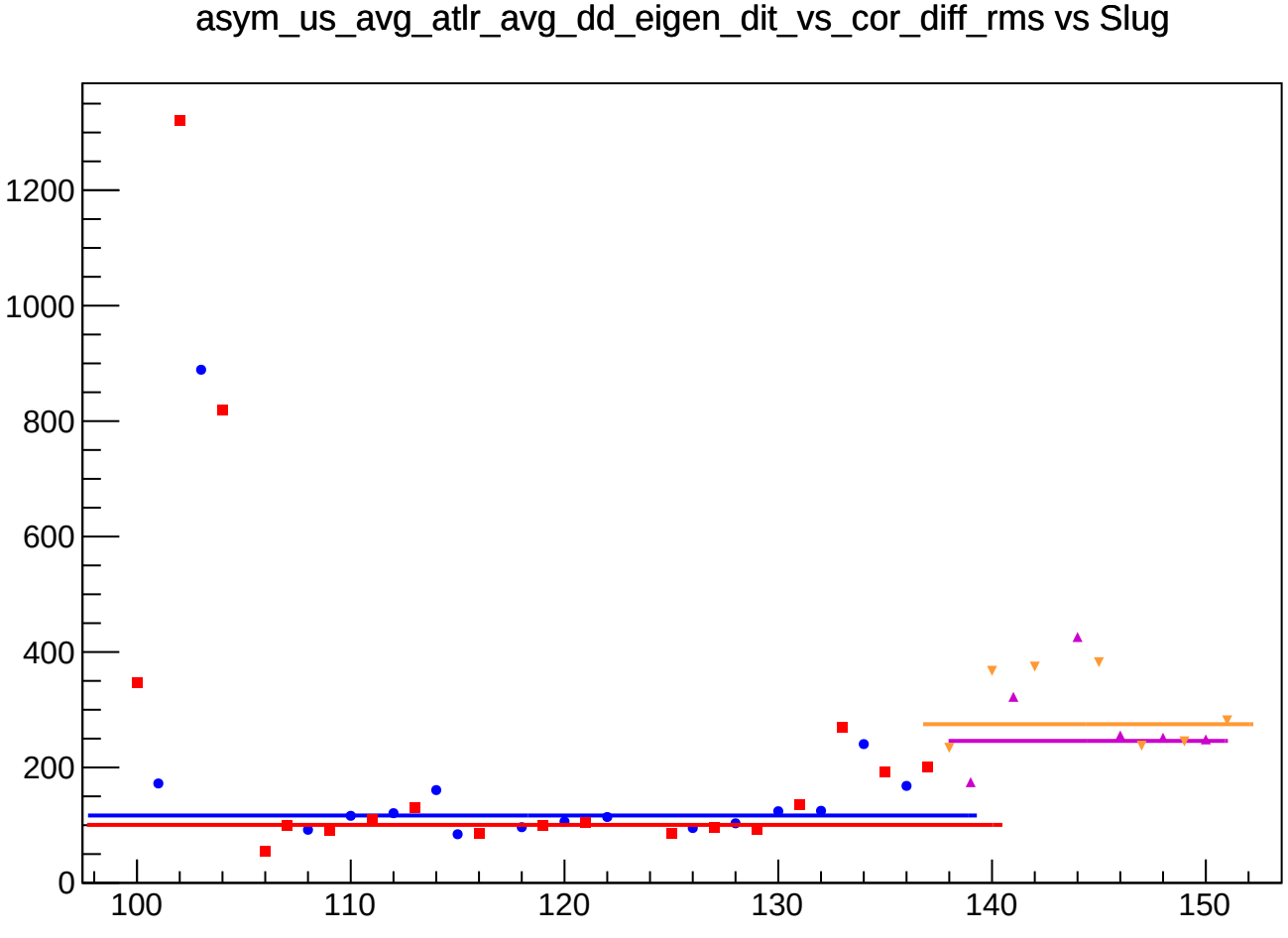
150
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: -0.141+/-0.122 χ²/NDF:9.8/6
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.157+/-0.113 χ²/NDF:6.7/5
+ sign 0.019+/-0.044 χ²/NDF: 22.0/22
All: 0.000+/-0.030 χ²/NDF: 56.9/46
- sign -0.015+/-0.040 χ²/NDF: 34.5/23



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 274.951+/-0.086 χ^2/NDF:398488.3/6

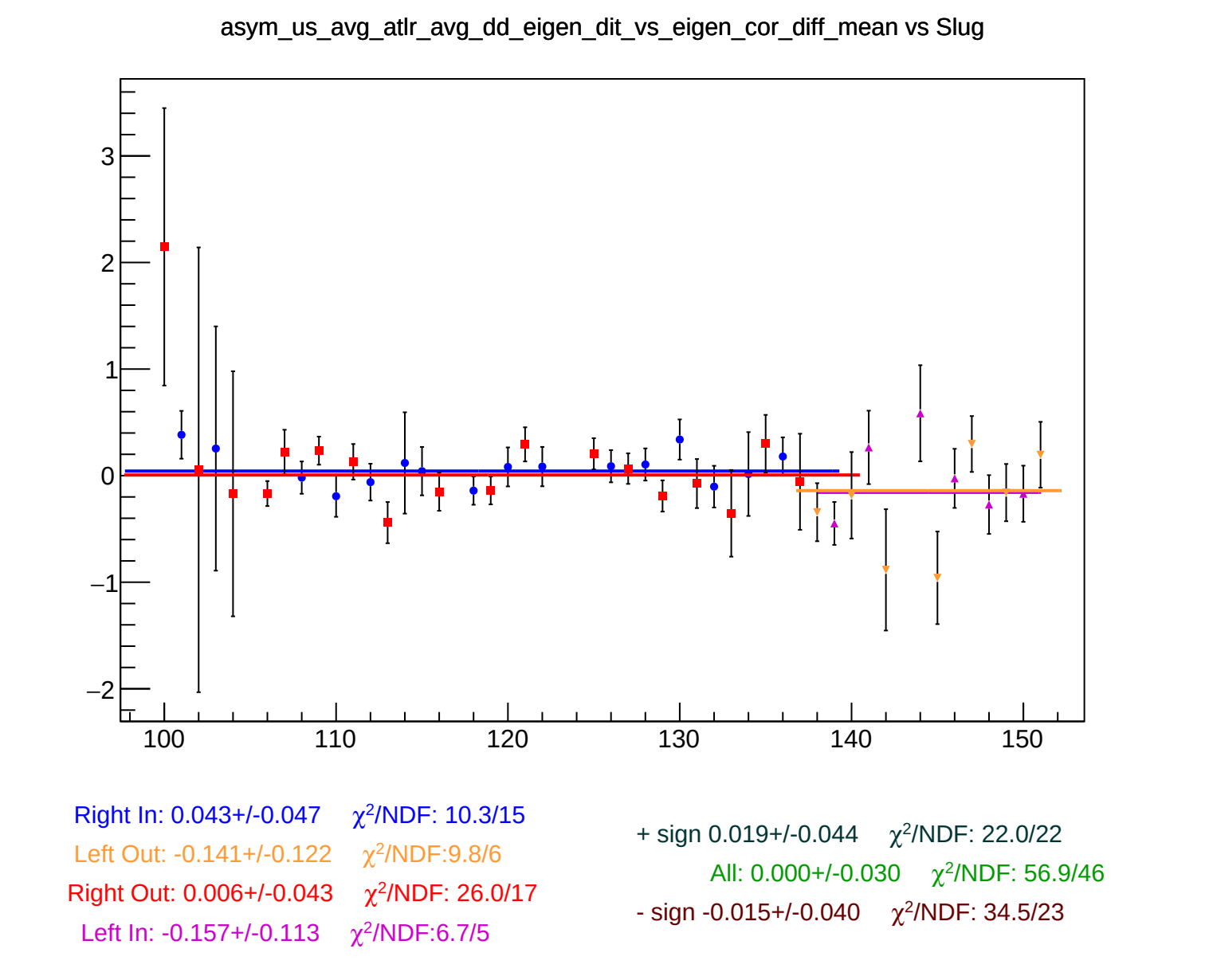
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 246.028+/-0.080 χ^2/NDF:672037.0/5

+ sign 137.531+/-0.031 χ^2/NDF: 4923199.2/22

All: 127.599+/-0.021 χ^2/NDF: 11342361.2/46

- sign 119.285+/-0.029 χ^2/NDF: 6234090.2/23


asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
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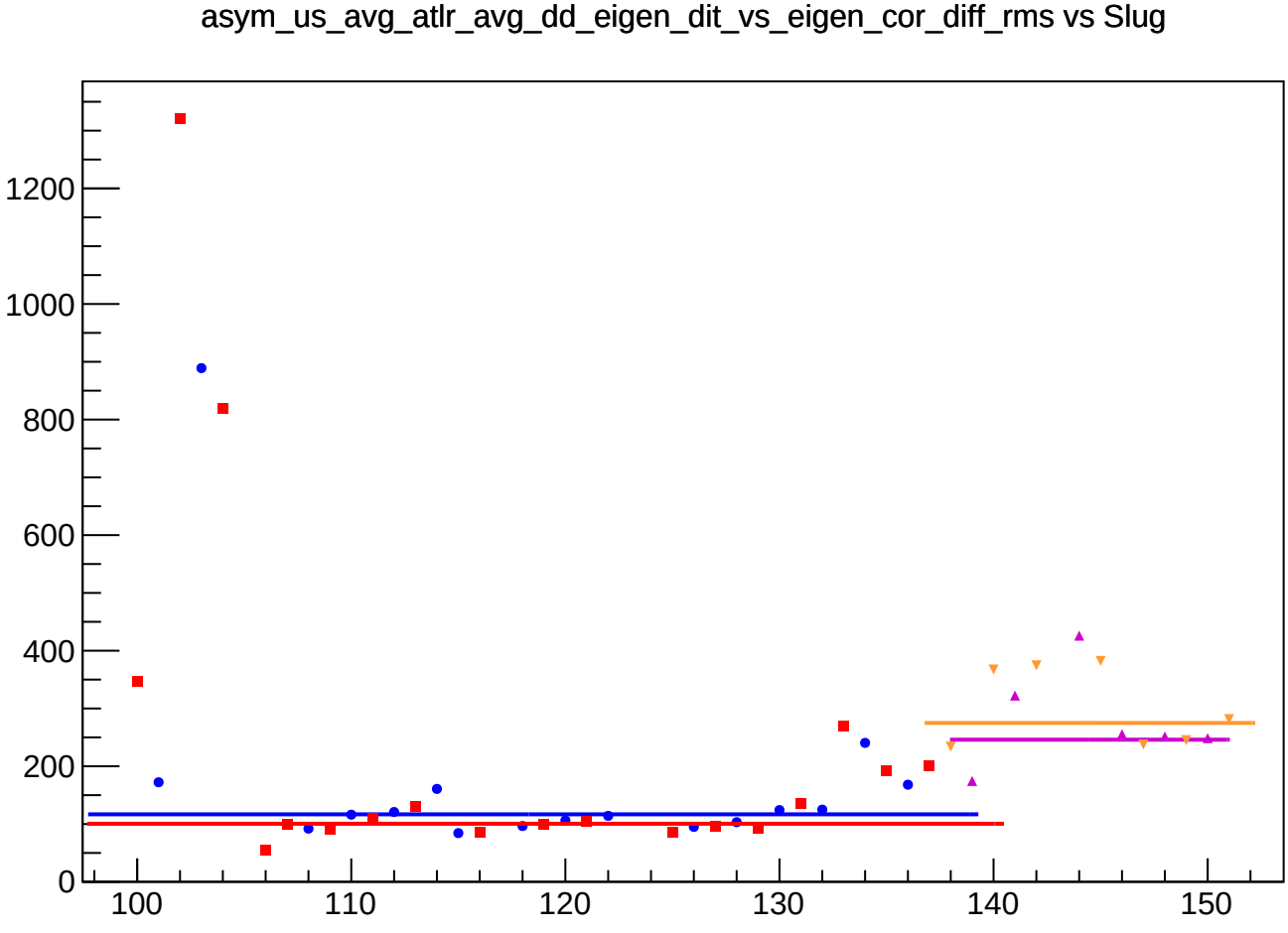
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: -0.141+/-0.122 χ²/NDF:9.8/6
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.157+/-0.113 χ²/NDF:6.7/5
+ sign 0.019+/-0.044 χ²/NDF: 22.0/22
All: 0.000+/-0.030 χ²/NDF: 56.9/46
- sign -0.015+/-0.040 χ²/NDF: 34.5/23



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 274.951+/-0.086 χ^2/NDF:398488.3/6

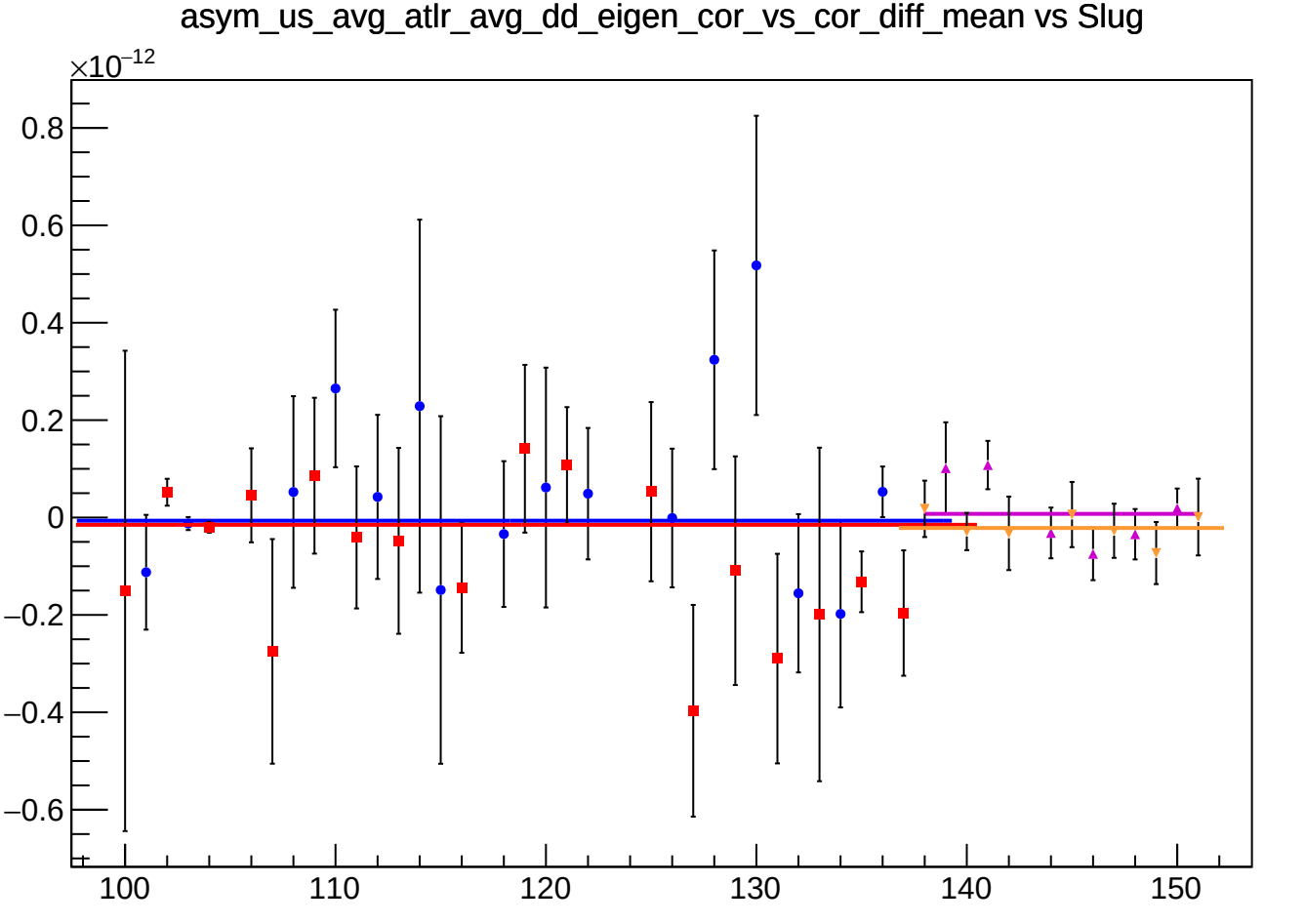
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 246.028+/-0.080 χ^2/NDF:672037.0/5

+ sign 137.531+/-0.031 χ^2/NDF: 4923199.2/22

All: 127.599+/-0.021 χ^2/NDF: 11342361.2/46

- sign 119.285+/-0.029 χ^2/NDF: 6234090.2/23


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
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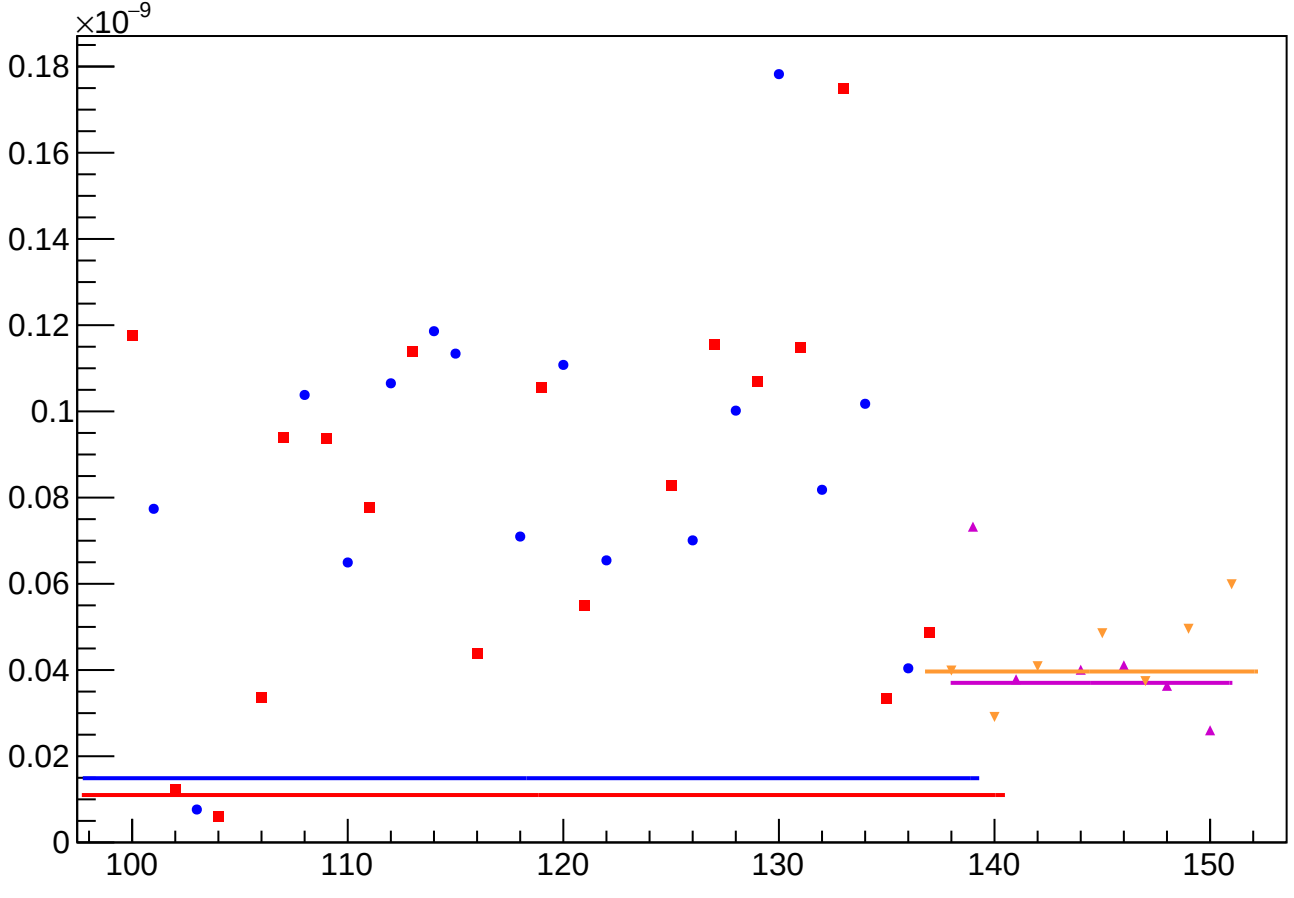
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 13.0/15
Left Out: -0.000+/-0.000 χ²/NDF:1.4/6
Right Out: -0.000+/-0.000 χ²/NDF: 21.9/17
Left In: 0.000+/-0.000 χ²/NDF:8.7/5
+ sign -0.000+/-0.000 χ²/NDF: 14.8/22
All: -0.000+/-0.000 χ²/NDF: 46.3/46
- sign -0.000+/-0.000 χ²/NDF: 31.5/23



Right In: 0.000+/-0.000 χ^2/NDF: 5893030.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:371505.0/6

Right Out: 0.000+/-0.000 χ^2/NDF: 5866969.2/17

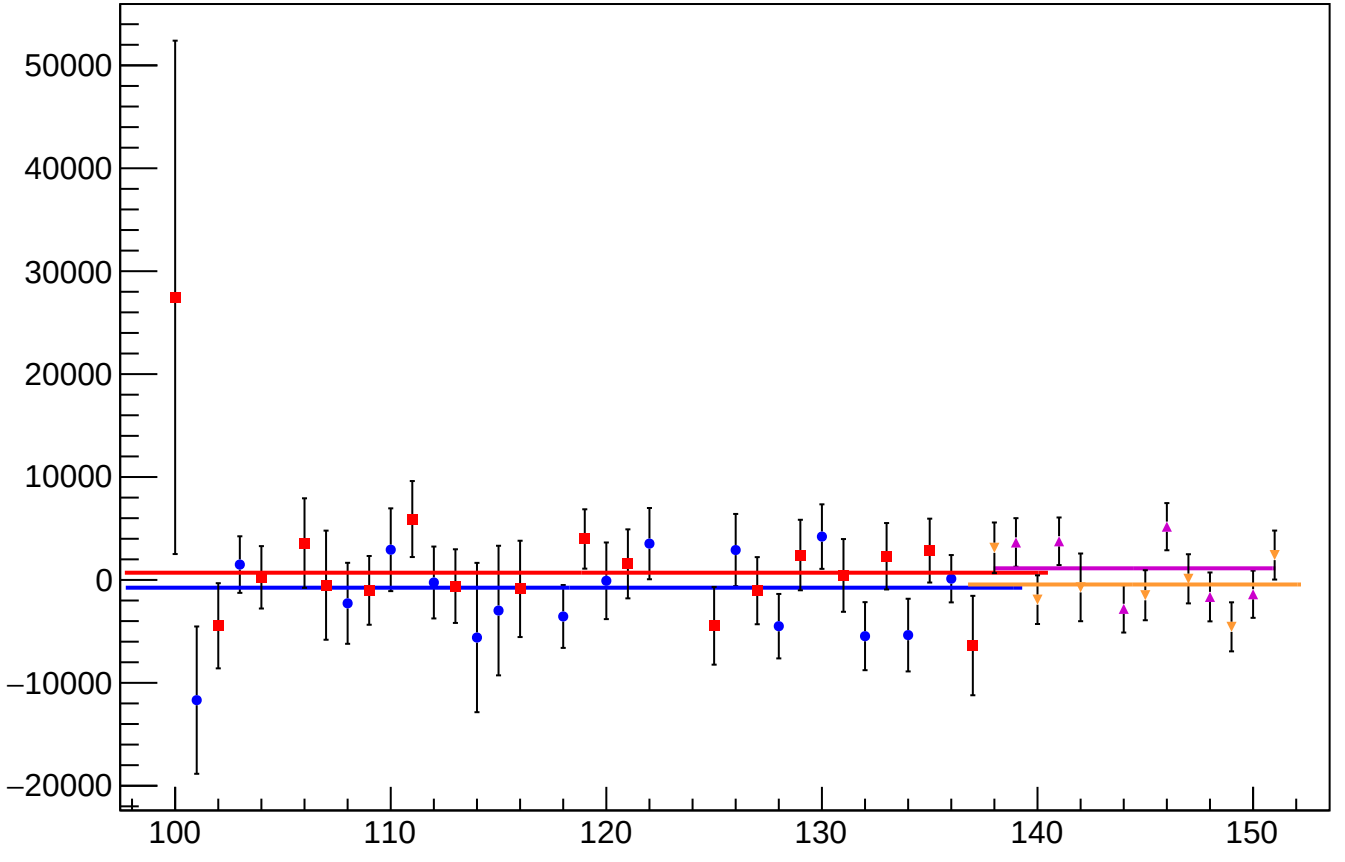
Left In: 0.000+/-0.000 χ^2/NDF:461981.3/5

+ sign 0.000+/-0.000 χ^2/NDF: 8213408.7/22

All: 0.000+/-0.000 χ^2/NDF: 17299854.5/46

- sign 0.000+/-0.000 χ^2/NDF: 8790094.3/23

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: -442.569+/-939.196 χ^2/NDF:7.2/6

Right Out: 702.198+/-868.647 χ^2/NDF: 12.4/17

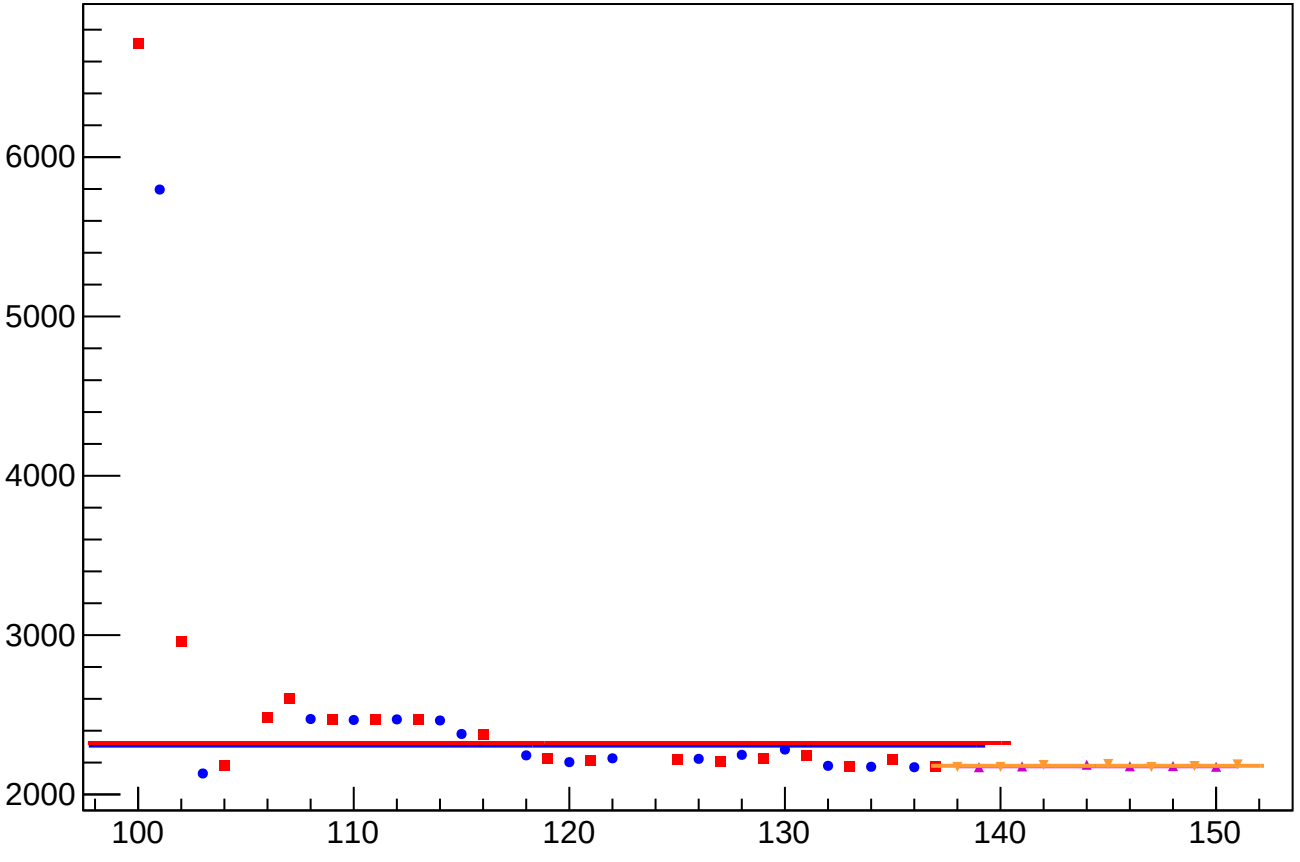
Left In: 1129.086+/-948.091 χ^2/NDF:11.0/5

+ sign -609.863+/-639.290 χ^2/NDF: 23.1/22

All: 142.180+/-452.464 χ^2/NDF: 49.4/46

- sign 897.010+/-640.473 χ^2/NDF: 23.5/23

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2179.674+/-0.664 χ^2/NDF:129.8/6

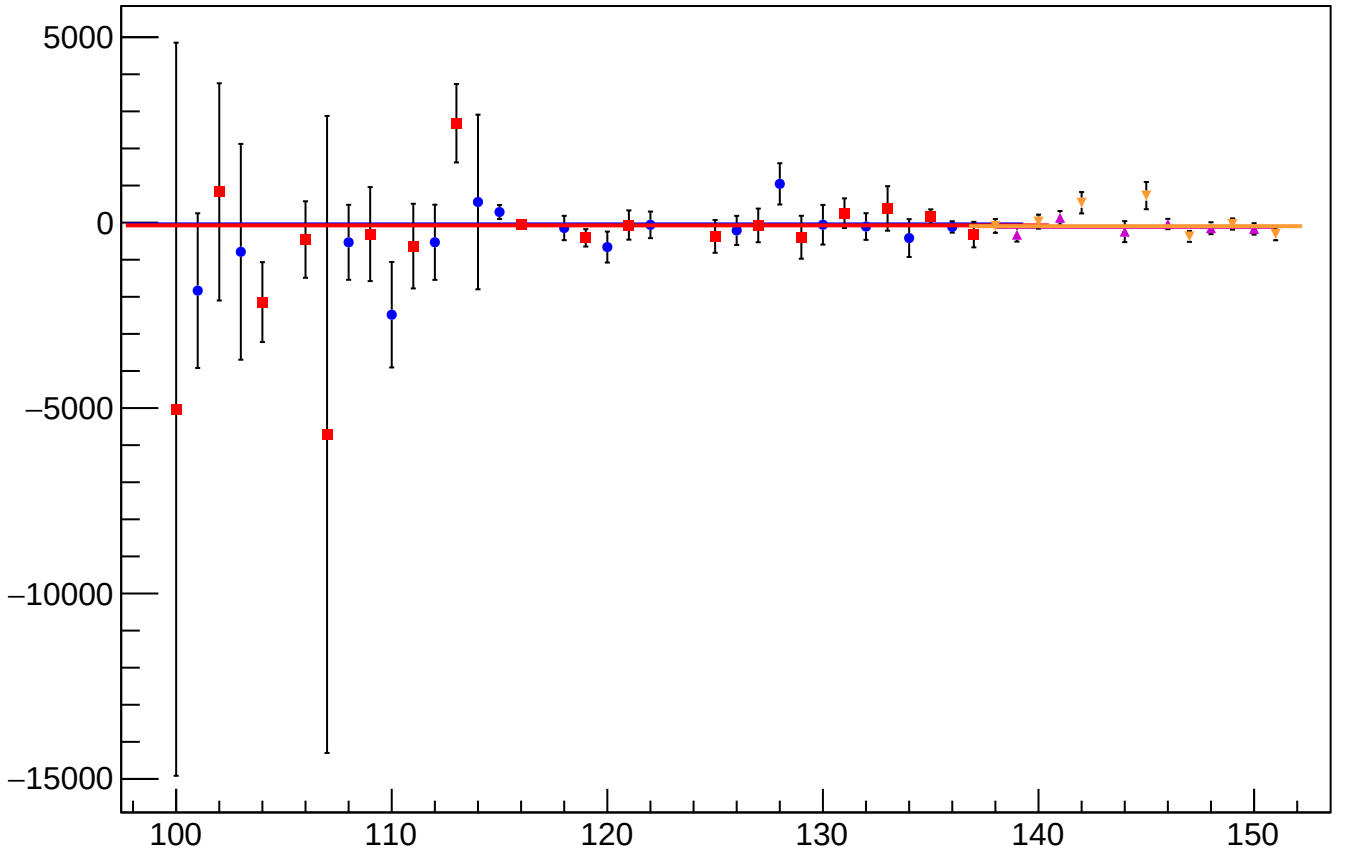
Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2177.096+/-0.670 χ^2/NDF:52.7/5

+ sign 2247.816+/-0.452 χ^2/NDF: 533896.8/22

All: 2252.111+/-0.320 χ^2/NDF: 711671.3/46

- sign 2256.422+/-0.453 χ^2/NDF: 177593.7/23



Right In: -47.927+/-90.914 χ^2/NDF: 14.4/15

Left Out: -95.984+/-70.656 χ^2/NDF:15.5/6

Right Out: -74.200+/-82.384 χ^2/NDF: 17.6/17

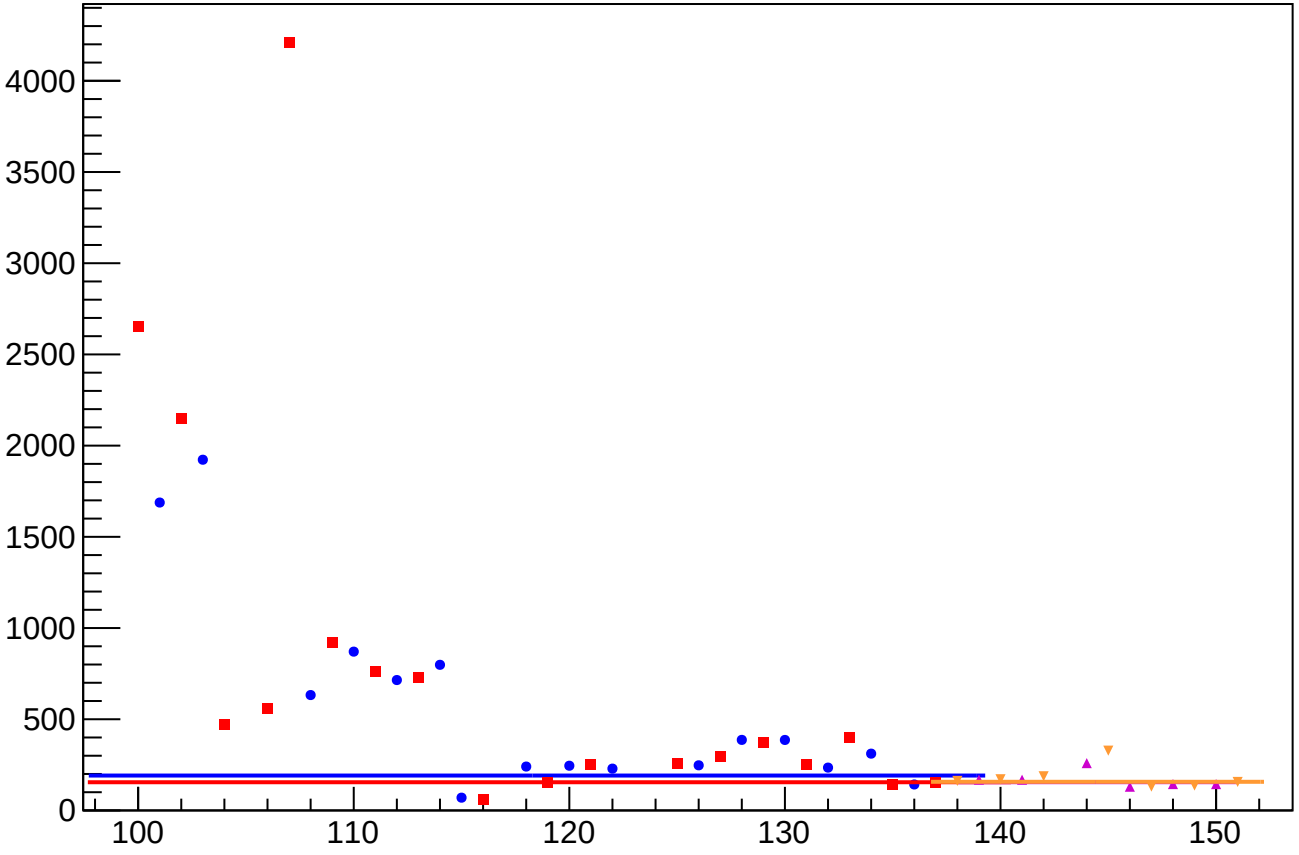
Left In: -114.853+/-70.074 χ^2/NDF:3.8/5

+ sign -77.888+/-55.789 χ^2/NDF: 30.0/22

All: -88.277+/-38.568 χ^2/NDF: 51.6/46

- sign -97.787+/-53.377 χ^2/NDF: 21.5/23

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug



Right In: 191.381+/-0.064 χ^2/NDF: 5064747.7/15

Left Out: 157.088+/-0.050 χ^2/NDF:568836.4/6

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

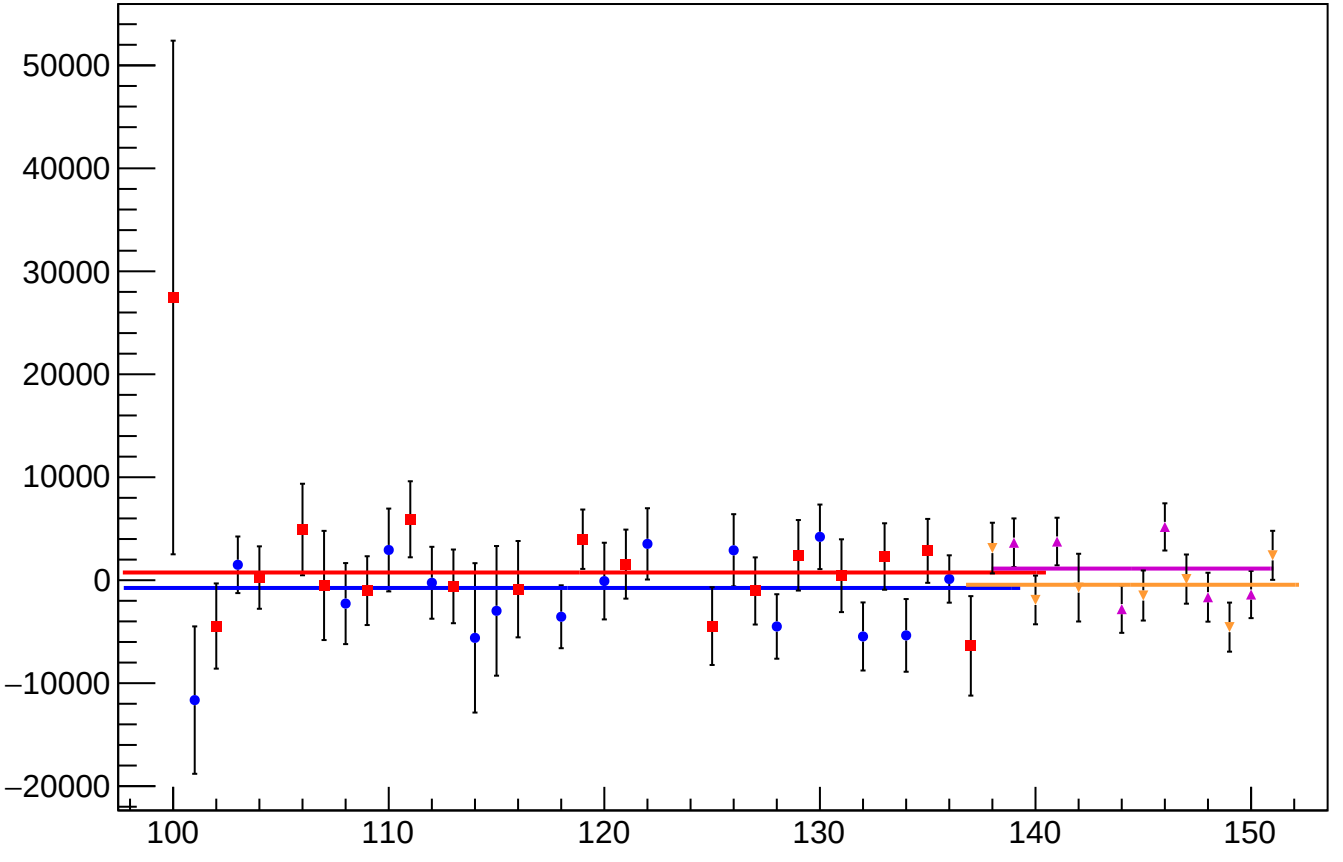
Left In: 154.927+/-0.050 χ^2/NDF:375788.6/5

+ sign 170.001+/-0.039 χ^2/NDF: 5810984.3/22

All: 162.076+/-0.027 χ^2/NDF: 12418369.9/46

- sign 154.822+/-0.038 χ^2/NDF: 6530085.2/23

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -442.678+/-939.196 χ^2/NDF:7.2/6

Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

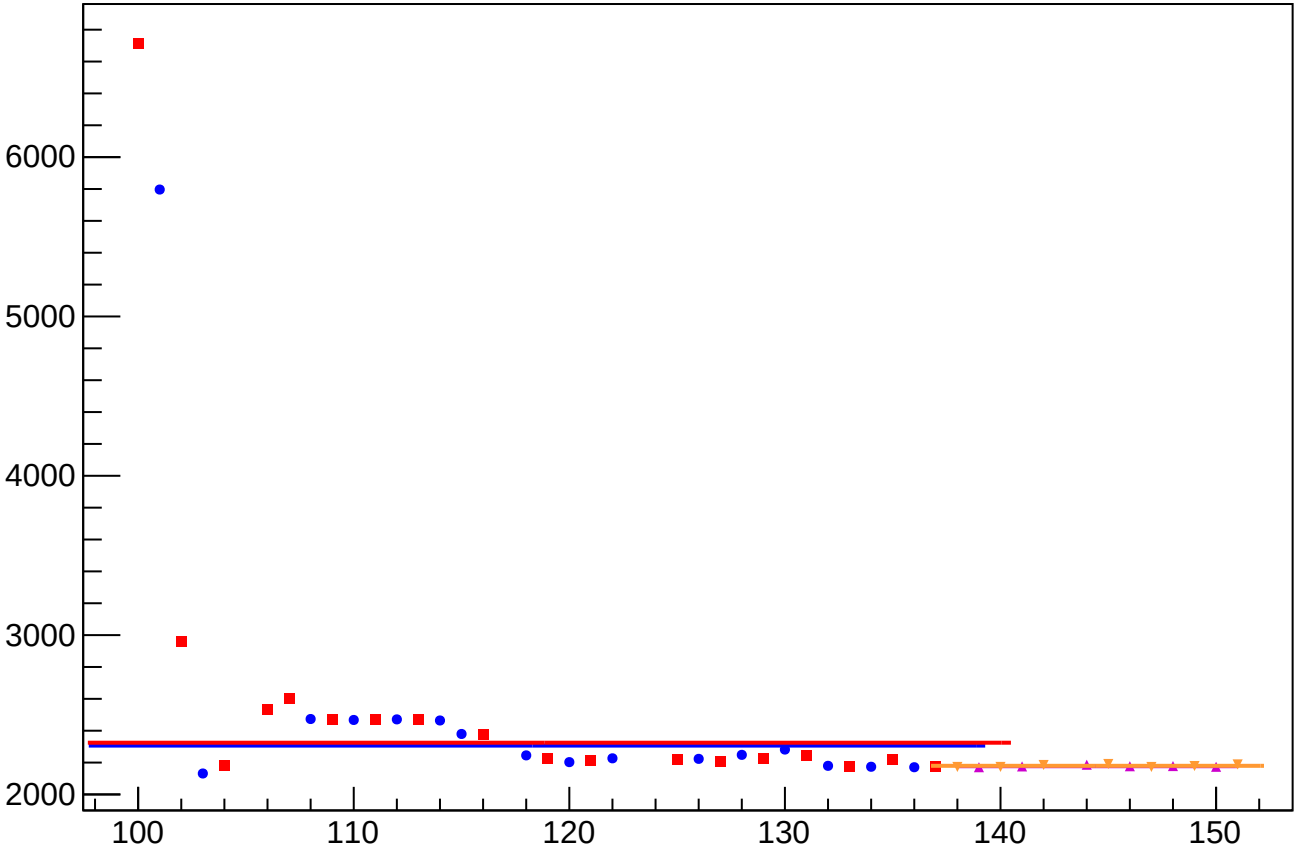
Left In: 1129.191+/-948.091 χ^2/NDF:11.0/5

+ sign -609.394+/-639.290 χ^2/NDF: 23.1/22

All: 154.957+/-452.566 χ^2/NDF: 49.9/46

- sign 922.830+/-640.761 χ^2/NDF: 23.9/23

cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2179.674+/-0.664 χ^2/NDF:129.8/6

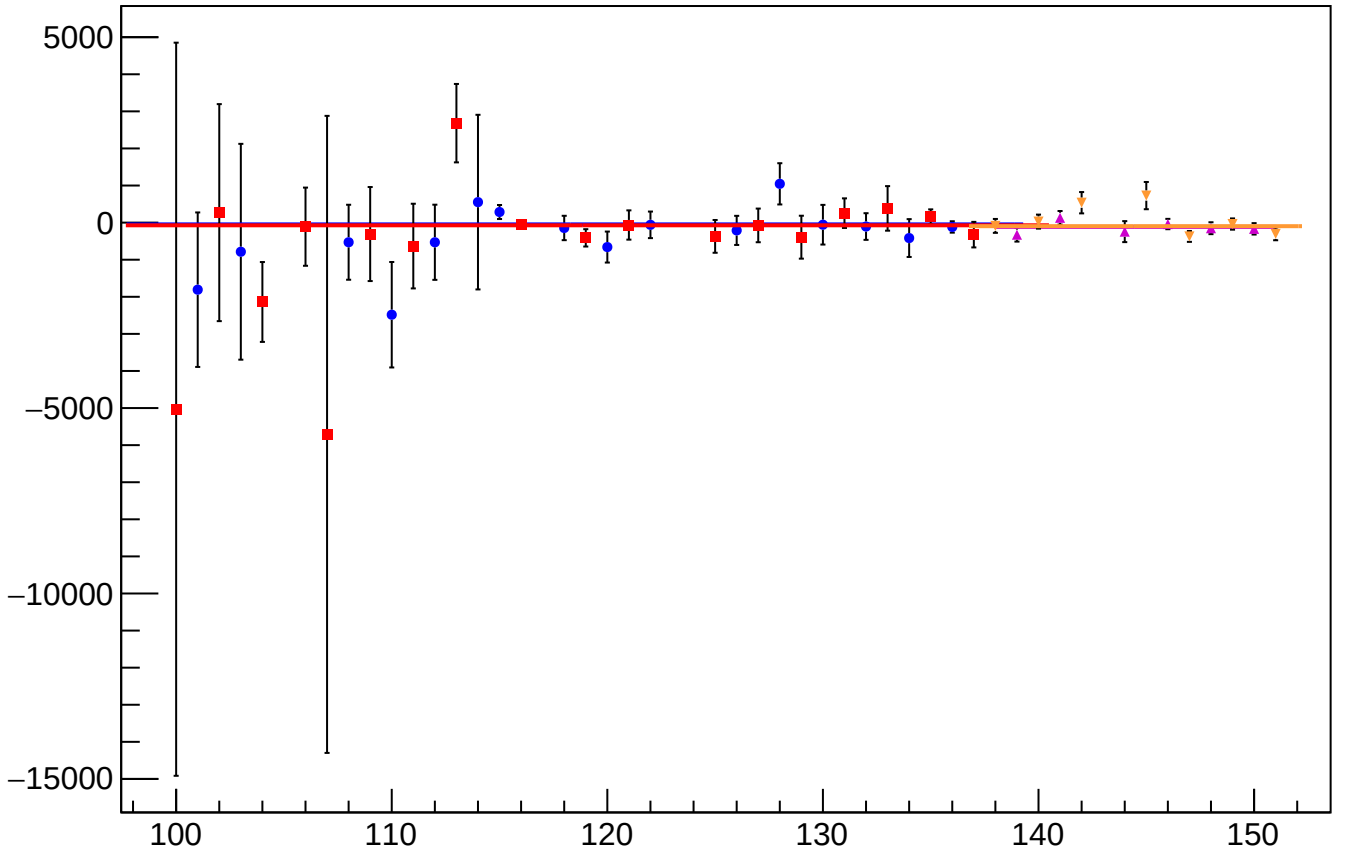
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2177.096+/-0.670 χ^2/NDF:52.7/5

+ sign 2247.816+/-0.452 χ^2/NDF: 533897.1/22

All: 2252.533+/-0.320 χ^2/NDF: 714075.0/46

- sign 2257.272+/-0.453 χ^2/NDF: 179959.6/23



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -96.045+/-70.658 χ^2/NDF:15.5/6

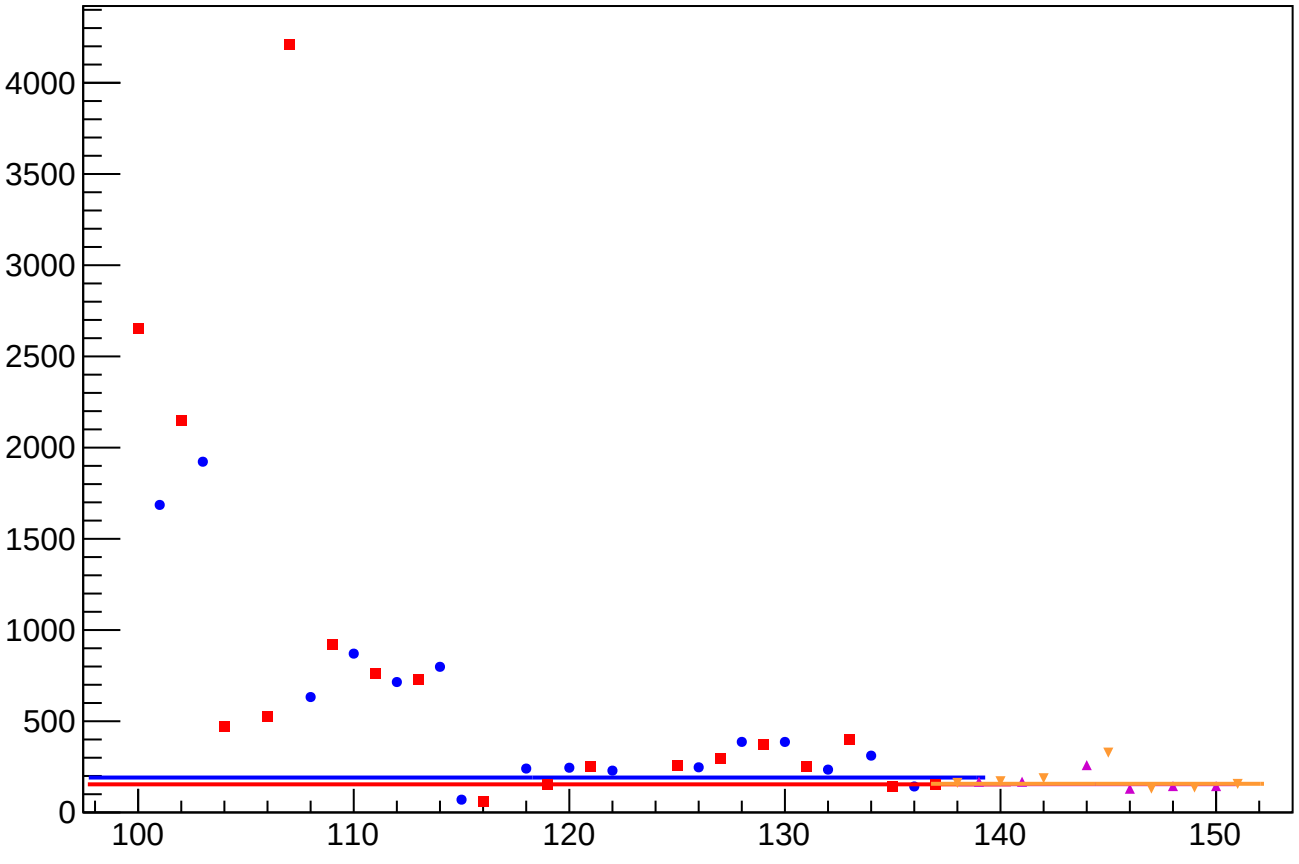
Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: -114.834+/-70.079 χ^2/NDF:3.7/5

+ sign -77.939+/-55.791 χ^2/NDF: 30.0/22

All: -87.851+/-38.563 χ^2/NDF: 51.4/46

- sign -96.919+/-53.362 χ^2/NDF: 21.3/23



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 157.093+/-0.050 χ^2/NDF:568939.2/6

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

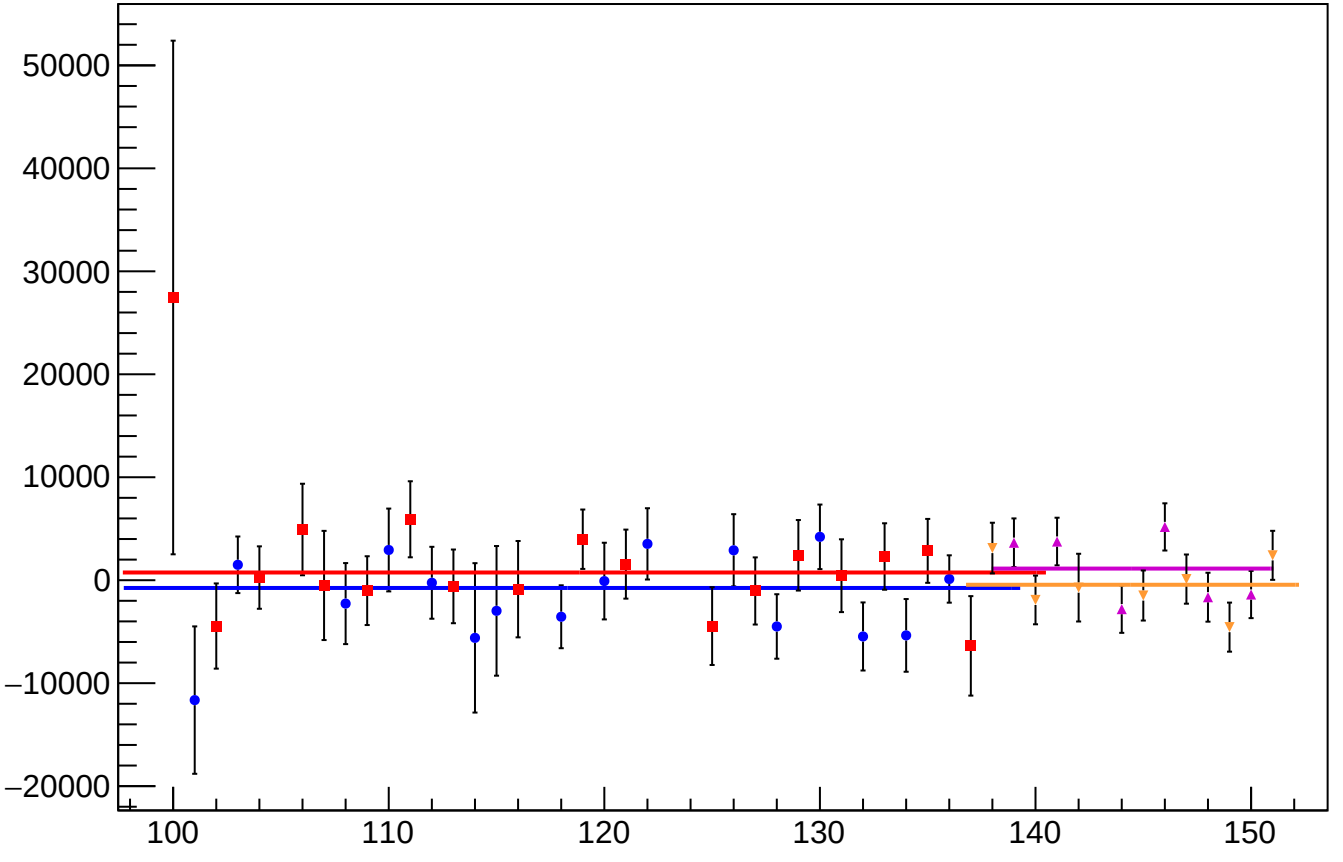
Left In: 154.941+/-0.050 χ^2/NDF:375689.1/5

+ sign 170.013+/-0.039 χ^2/NDF: 5810126.2/22

All: 161.962+/-0.027 χ^2/NDF: 12374346.3/46

- sign 154.597+/-0.038 χ^2/NDF: 6484469.1/23

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: -442.678+/-939.196 χ^2/NDF:7.2/6

Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

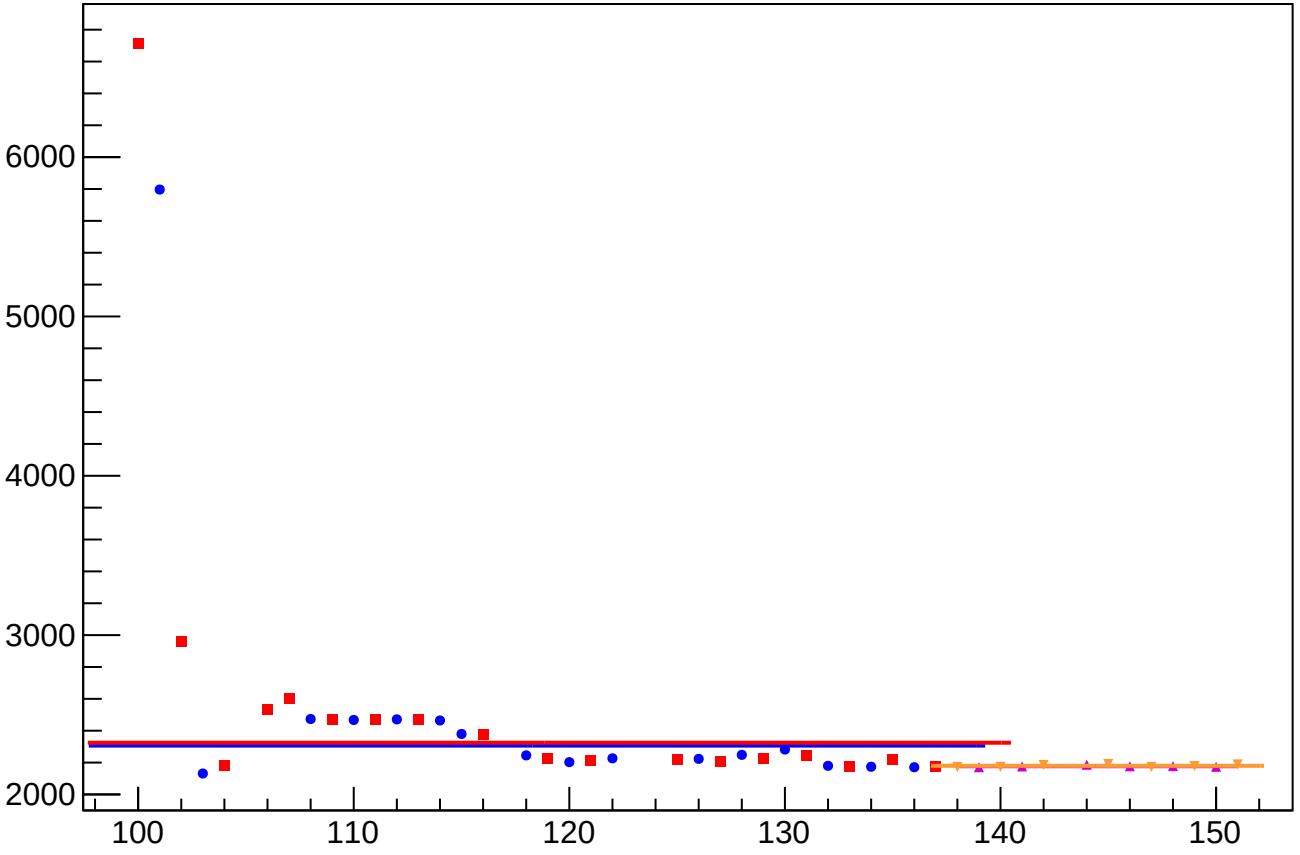
Left In: 1129.191+/-948.091 χ^2/NDF:11.0/5

+ sign -609.394+/-639.290 χ^2/NDF: 23.1/22

All: 154.957+/-452.566 χ^2/NDF: 49.9/46

- sign 922.830+/-640.761 χ^2/NDF: 23.9/23

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: 2179.674+/-0.664 χ^2/NDF:129.8/6

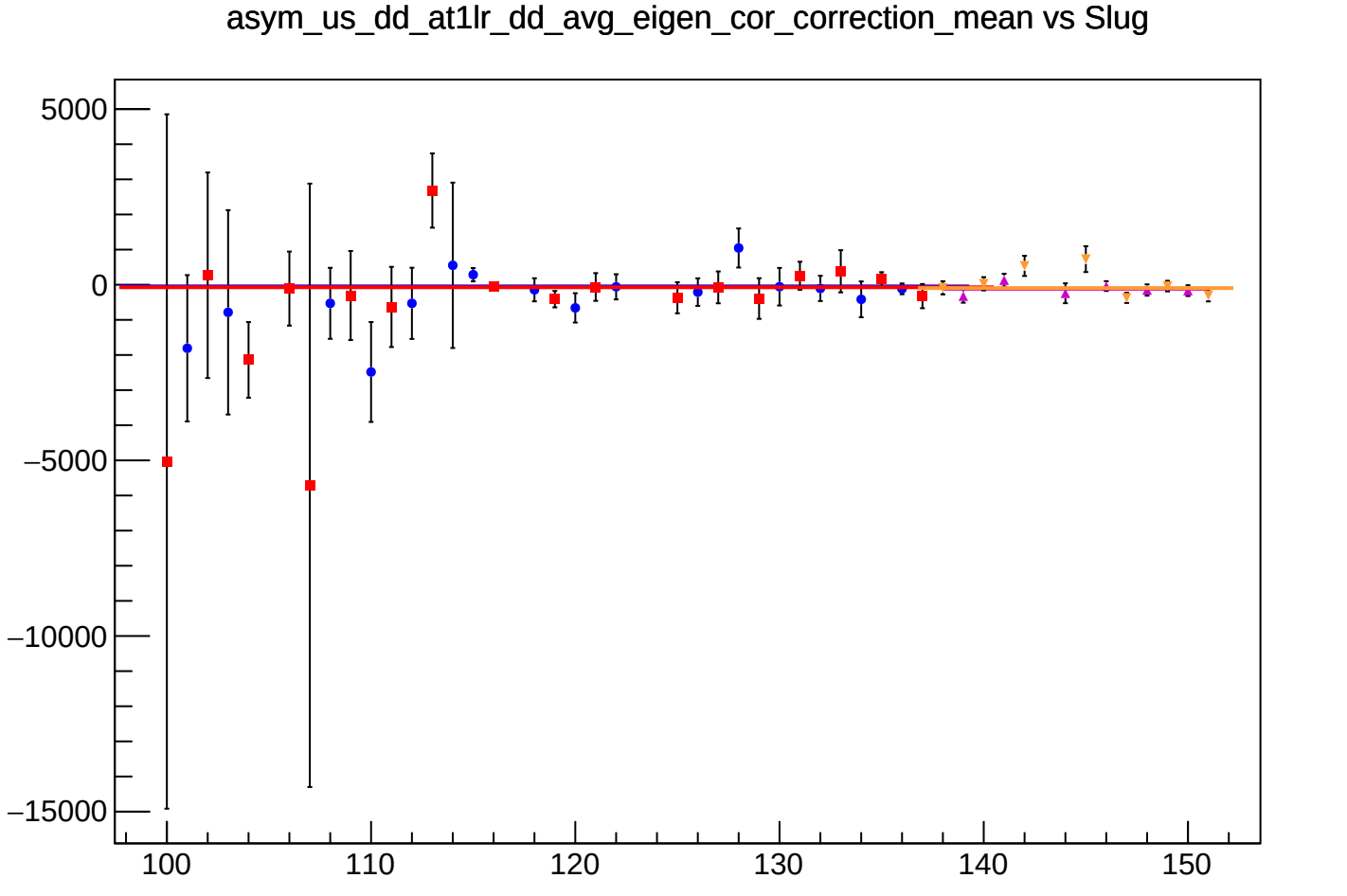
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2177.096+/-0.670 χ^2/NDF:52.7/5

+ sign 2247.816+/-0.452 χ^2/NDF: 533897.1/22

All: 2252.533+/-0.320 χ^2/NDF: 714075.0/46

- sign 2257.272+/-0.453 χ^2/NDF: 179959.6/23



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -96.045+/-70.658 χ^2/NDF:15.5/6

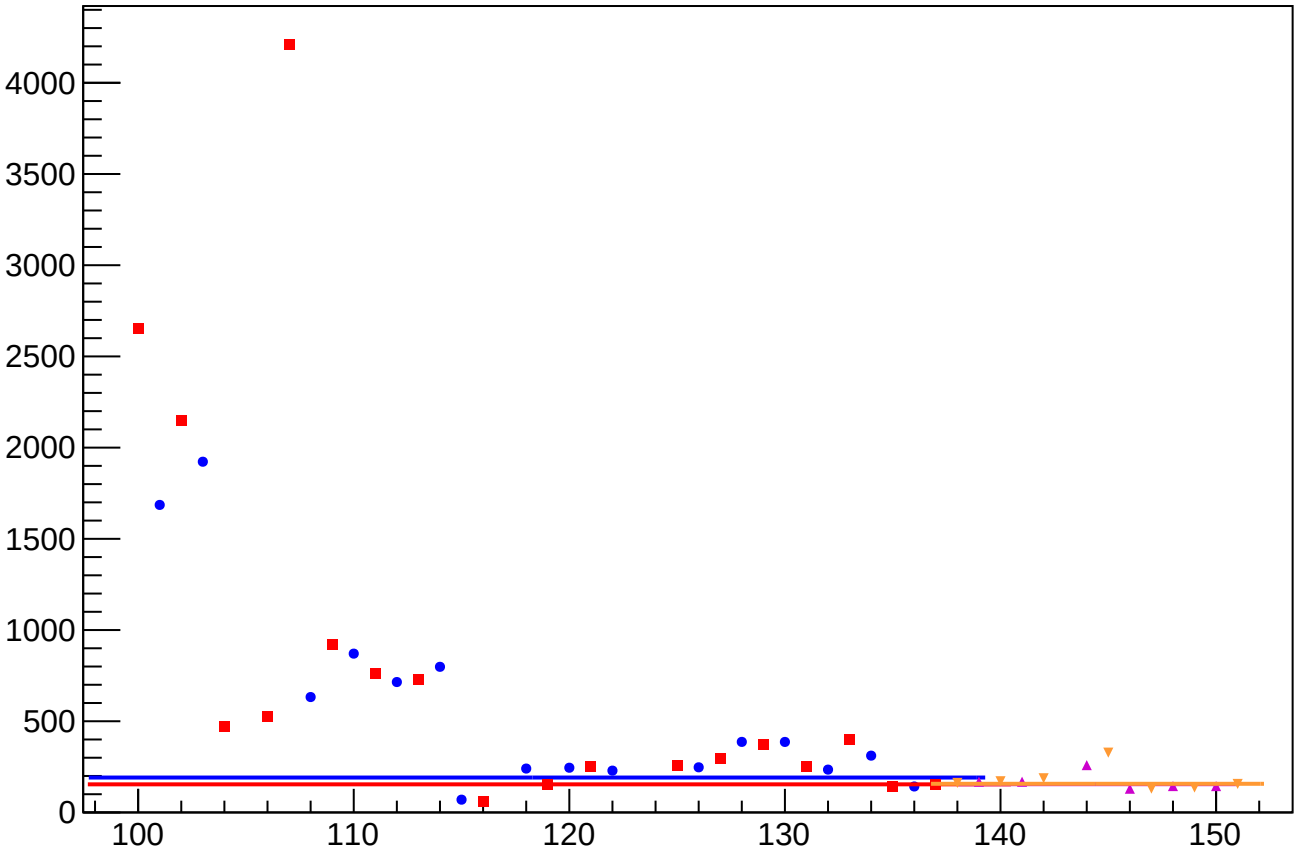
Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: -114.834+/-70.079 χ^2/NDF:3.7/5

+ sign -77.939+/-55.791 χ^2/NDF: 30.0/22

All: -87.851+/-38.563 χ^2/NDF: 51.4/46

- sign -96.919+/-53.362 χ^2/NDF: 21.3/23



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 157.093+/-0.050 χ^2/NDF:568939.2/6

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

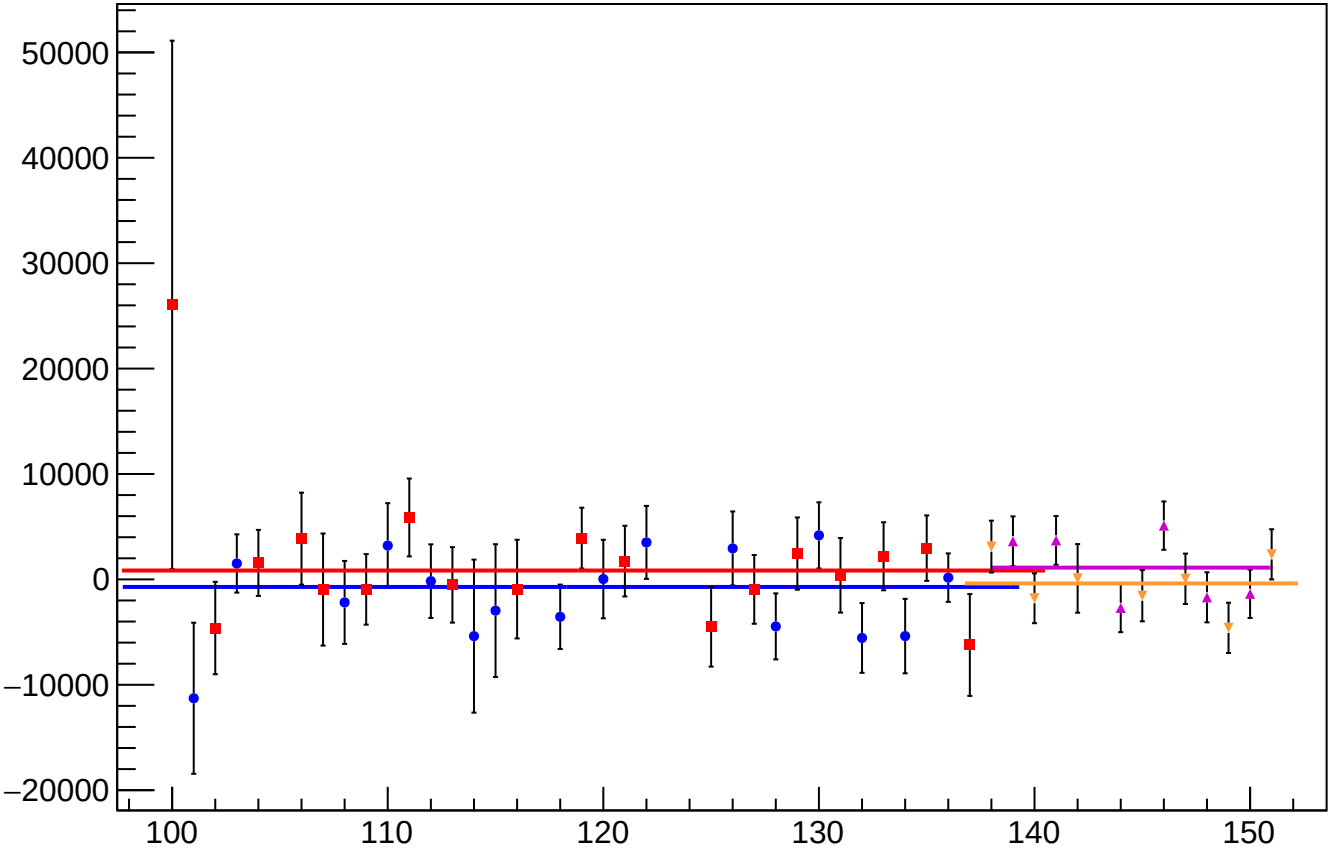
Left In: 154.941+/-0.050 χ^2/NDF:375689.1/5

+ sign 170.013+/-0.039 χ^2/NDF: 5810126.2/22

All: 161.962+/-0.027 χ^2/NDF: 12374346.3/46

- sign 154.597+/-0.038 χ^2/NDF: 6484469.1/23

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -717.136+/-873.539 χ^2/NDF: 15.8/15

Left Out: -386.090+/-938.699 χ^2/NDF:7.1/6

Right Out: 842.157+/-873.586 χ^2/NDF: 12.2/17

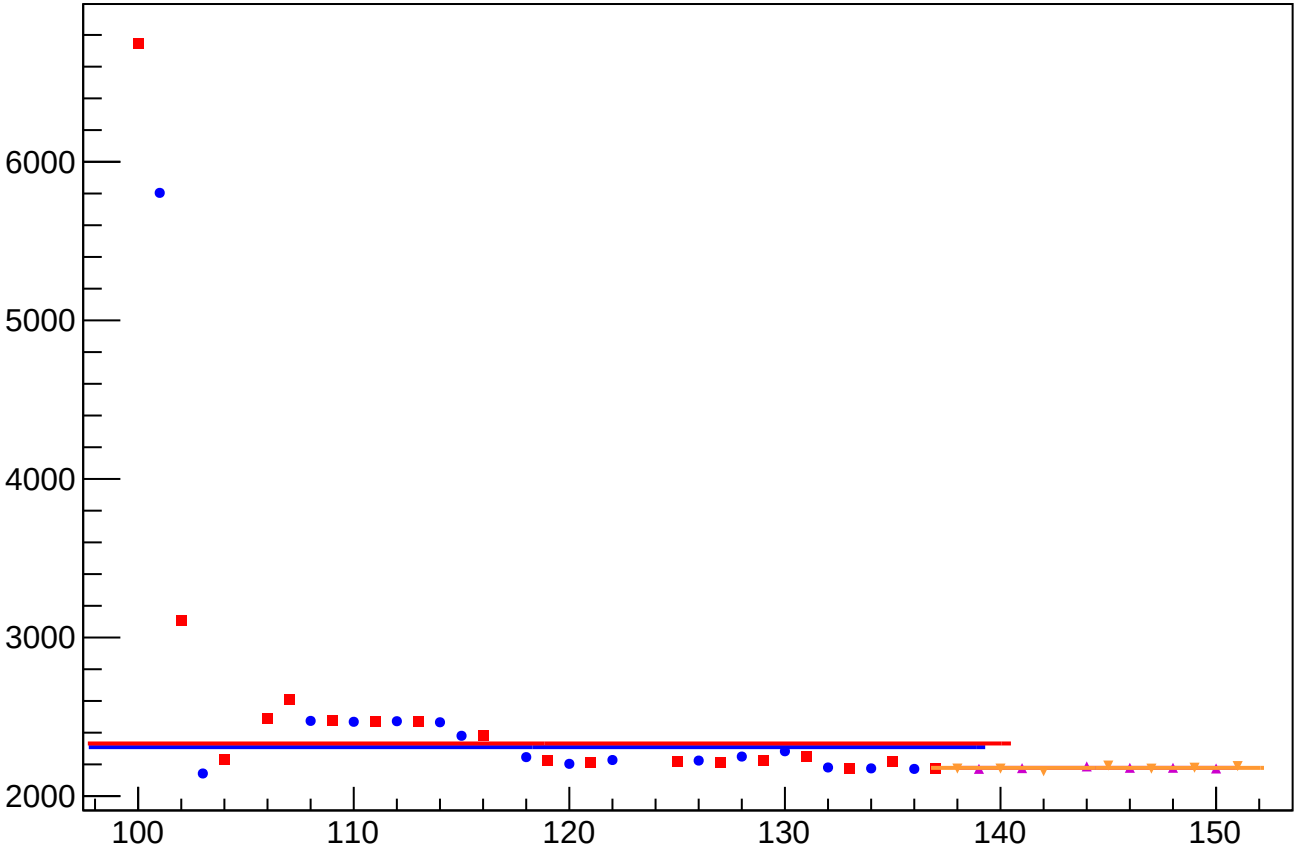
Left In: 1115.999+/-948.455 χ^2/NDF:10.7/5

+ sign -563.501+/-639.481 χ^2/NDF: 23.0/22

All: 198.496+/-453.266 χ^2/NDF: 48.8/46

- sign 967.845+/-642.559 χ^2/NDF: 22.9/23

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2178.041+/-0.664 χ^2/NDF:224.3/6

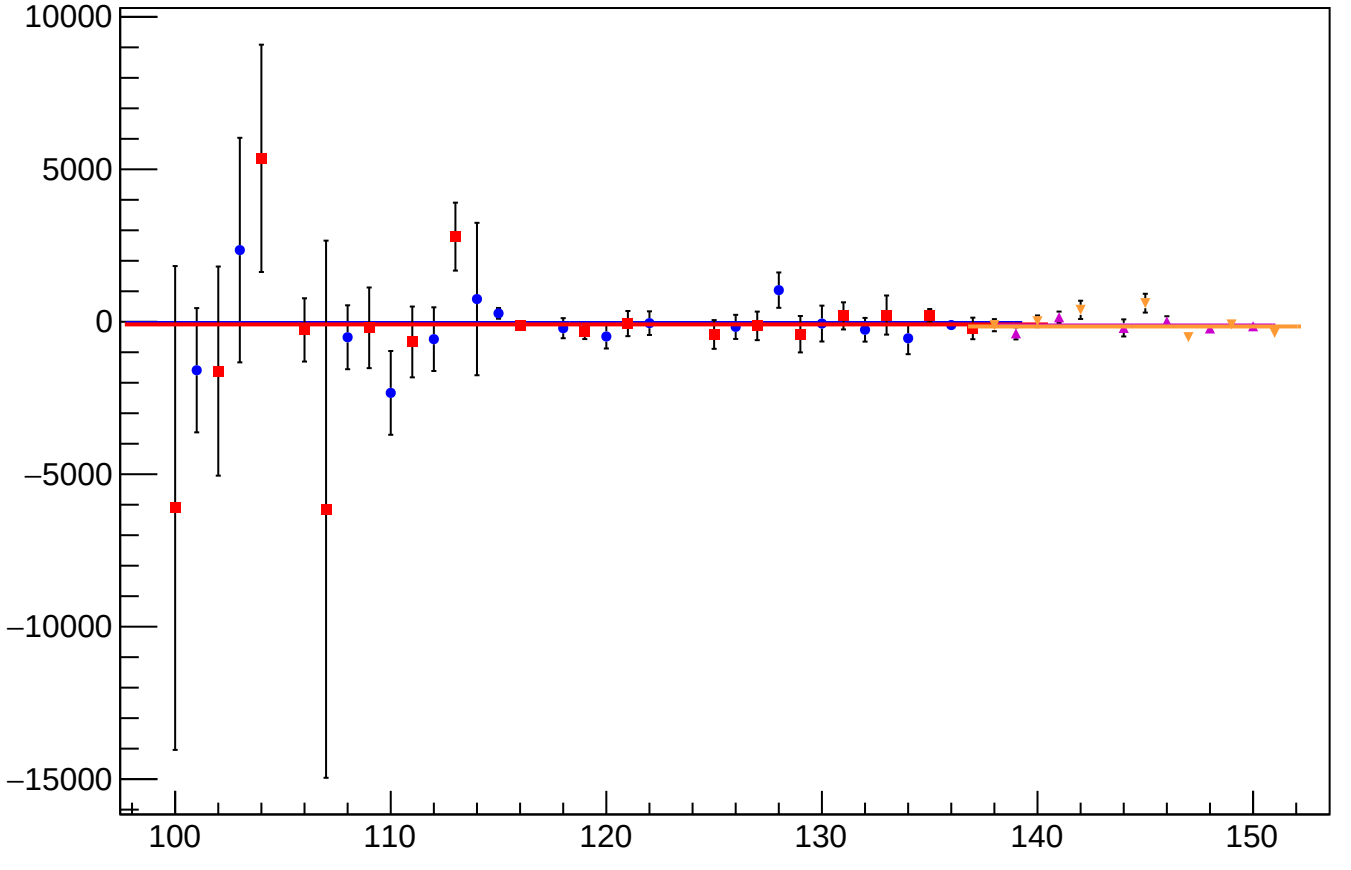
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2177.933+/-0.671 χ^2/NDF:51.6/5

+ sign 2248.083+/-0.452 χ^2/NDF: 534744.8/22

All: 2254.613+/-0.321 χ^2/NDF: 731033.0/46

- sign 2261.205+/-0.454 χ^2/NDF: 195869.2/23



Right In: -40.119+/-92.409 χ^2/NDF: 14.1/15

Left Out: -153.952+/-71.077 χ^2/NDF:17.4/6

Right Out: -86.379+/-86.088 χ^2/NDF: 15.0/17

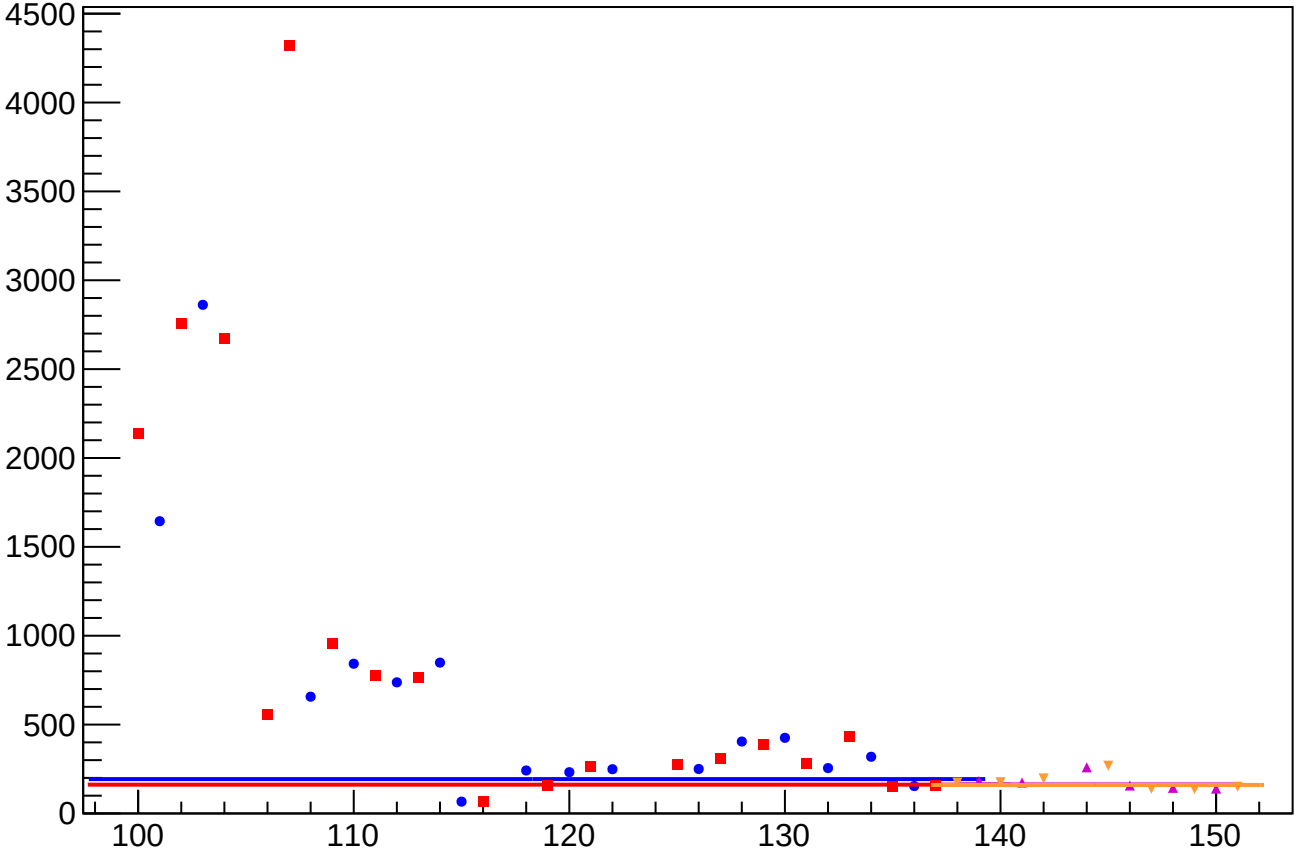
Left In: -121.305+/-72.771 χ^2/NDF:5.0/5

+ sign -111.640+/-56.339 χ^2/NDF: 32.4/22

All: -109.161+/-39.565 χ^2/NDF: 52.4/46

- sign -106.749+/-55.576 χ^2/NDF: 20.0/23

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug



Right In: 193.255+/-0.065 χ^2/NDF: 5617847.0/15

Left Out: 160.377+/-0.050 χ^2/NDF:388518.9/6

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

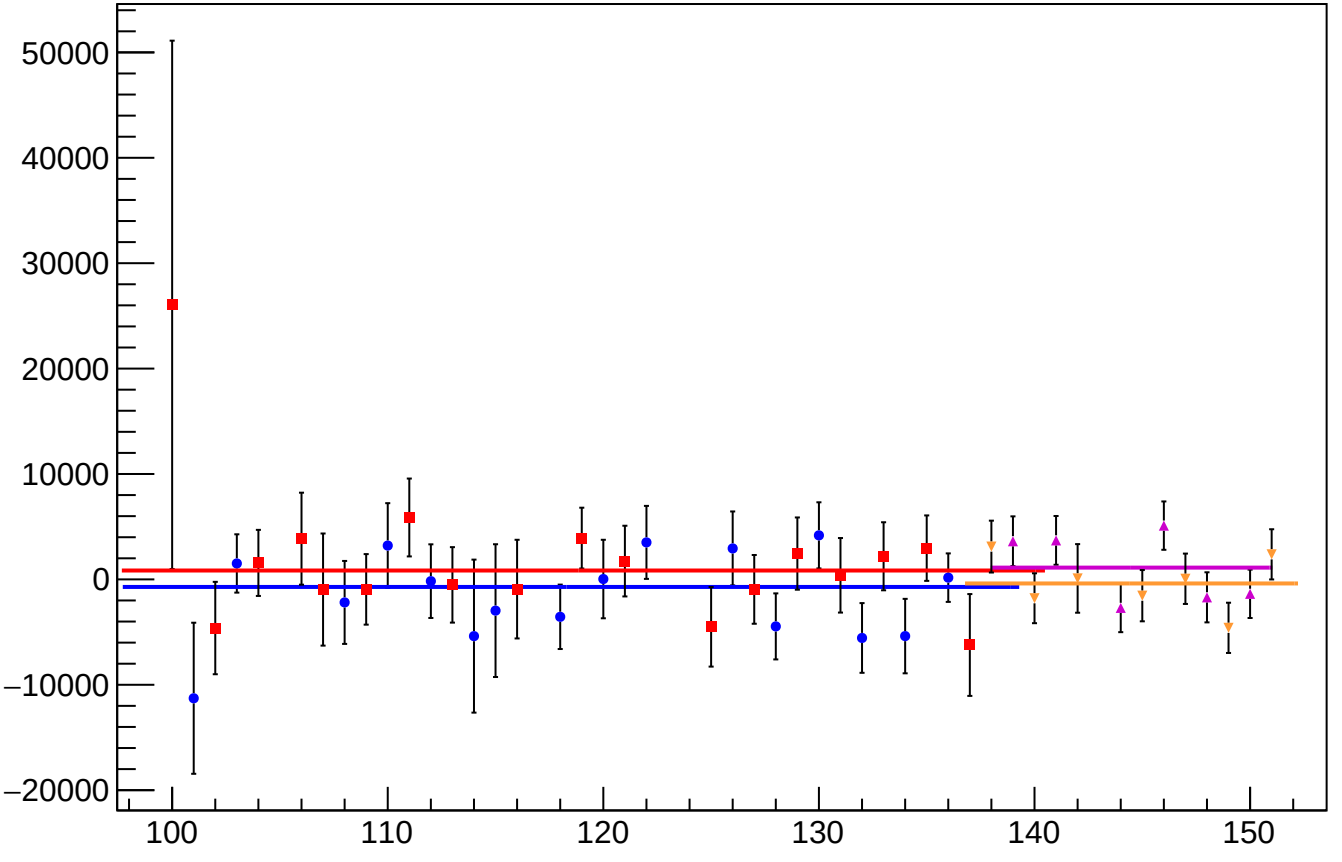
Left In: 163.191+/-0.051 χ^2/NDF:341793.1/5

+ sign 172.598+/-0.040 χ^2/NDF: 6165436.3/22

All: 167.603+/-0.028 χ^2/NDF: 13608921.7/46

- sign 162.742+/-0.039 χ^2/NDF: 7412464.6/23

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: -386.092+/-938.699 χ^2/NDF:7.1/6

Right Out: 842.159+/-873.586 χ^2/NDF: 12.2/17

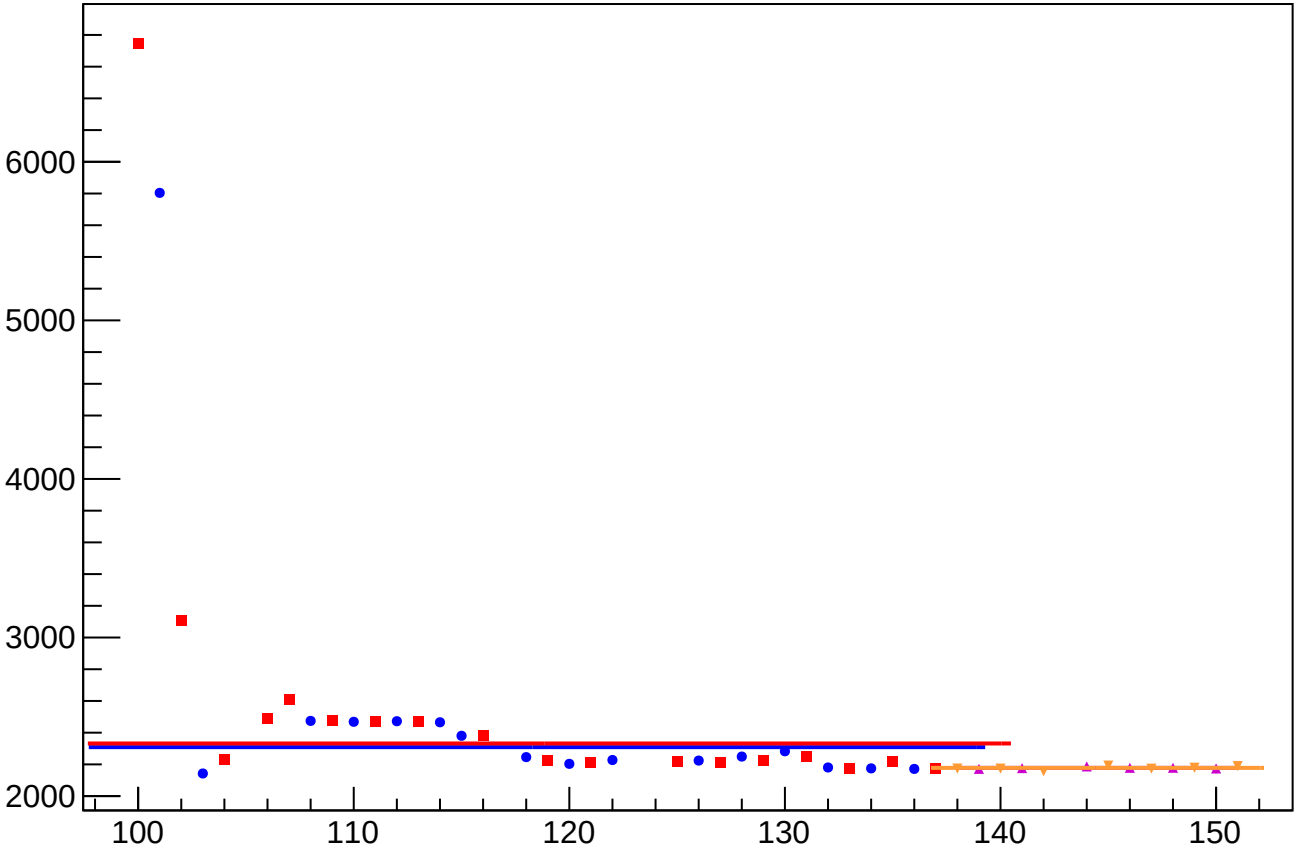
Left In: 1115.998+/-948.455 χ^2/NDF:10.7/5

+ sign -563.502+/-639.481 χ^2/NDF: 23.0/22

All: 198.495+/-453.266 χ^2/NDF: 48.8/46

- sign 967.845+/-642.559 χ^2/NDF: 22.9/23

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: 2178.041+/-0.664 χ^2/NDF:224.3/6

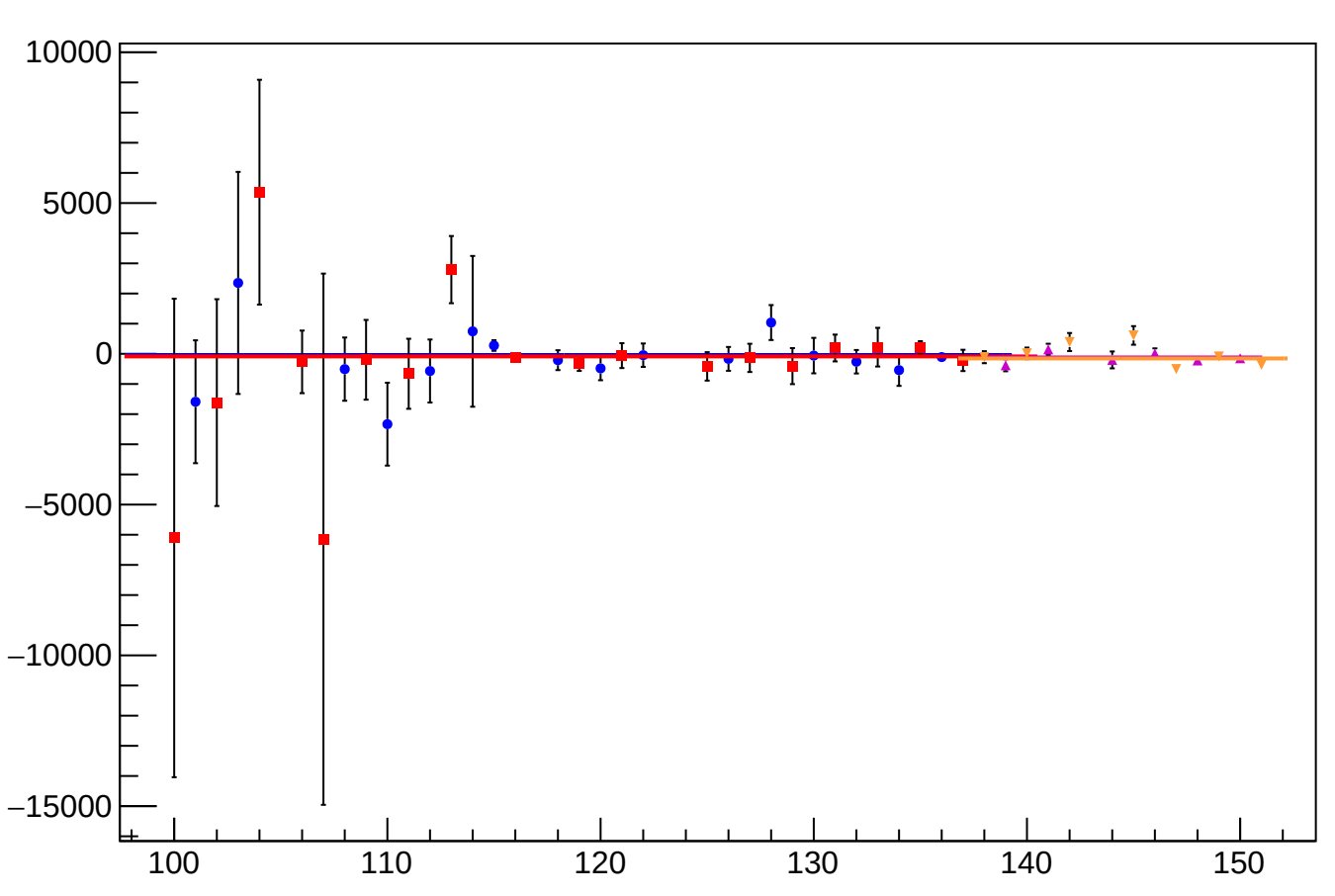
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2177.933+/-0.671 χ^2/NDF:51.6/5

+ sign 2248.083+/-0.452 χ^2/NDF: 534744.8/22

All: 2254.613+/-0.321 χ^2/NDF: 731032.9/46

- sign 2261.205+/-0.454 χ^2/NDF: 195869.1/23



Right In: -40.116+/-92.408 χ^2/NDF: 14.1/15

Left Out: -153.952+/-71.077 χ^2/NDF:17.4/6

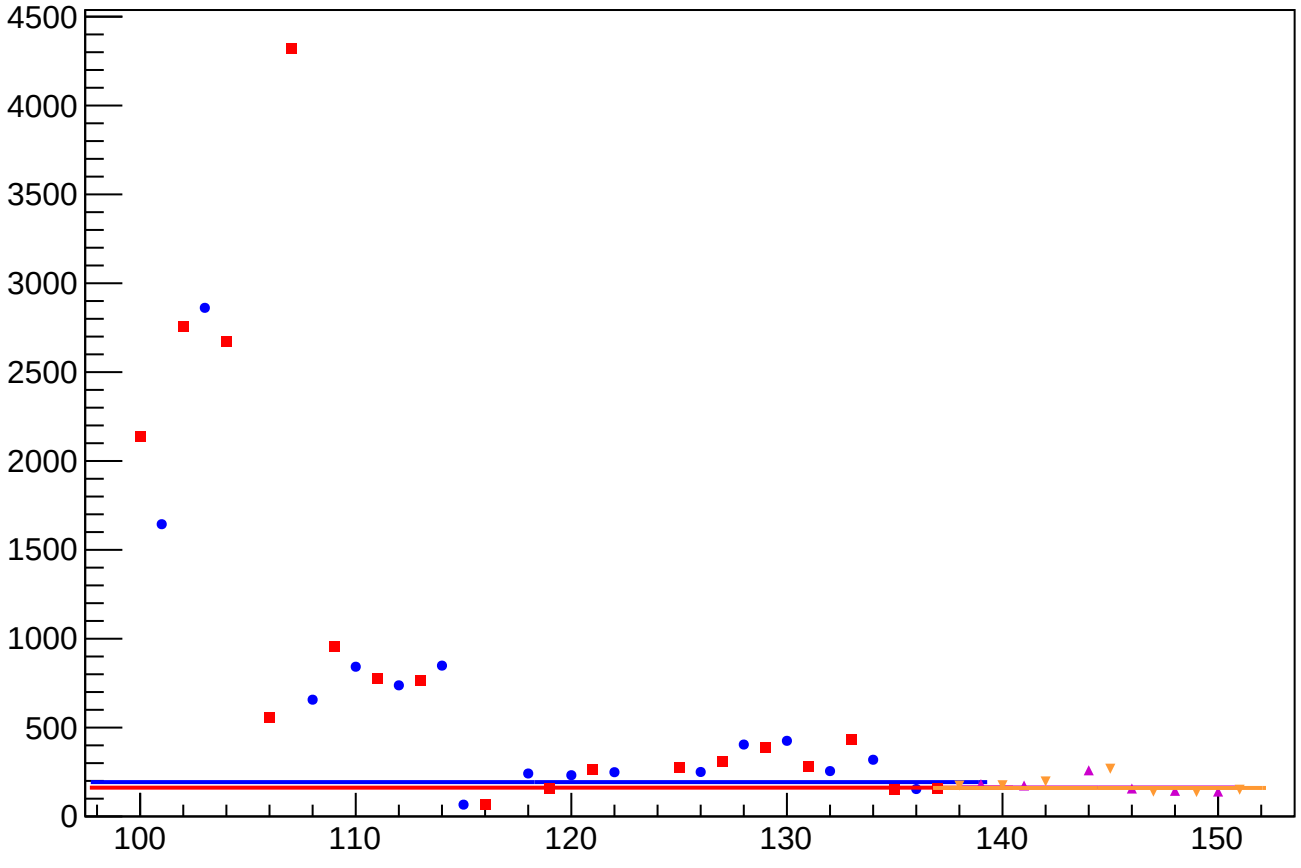
Right Out: -86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: -121.304+/-72.772 χ^2/NDF:5.0/5

+ sign -111.639+/-56.339 χ^2/NDF: 32.4/22

All: -109.160+/-39.565 χ^2/NDF: 52.4/46

- sign -106.749+/-55.576 χ^2/NDF: 20.0/23



Right In: 193.253+/-0.065 χ^2/NDF: 5617884.1/15

Left Out: 160.378+/-0.050 χ^2/NDF:388509.8/6

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

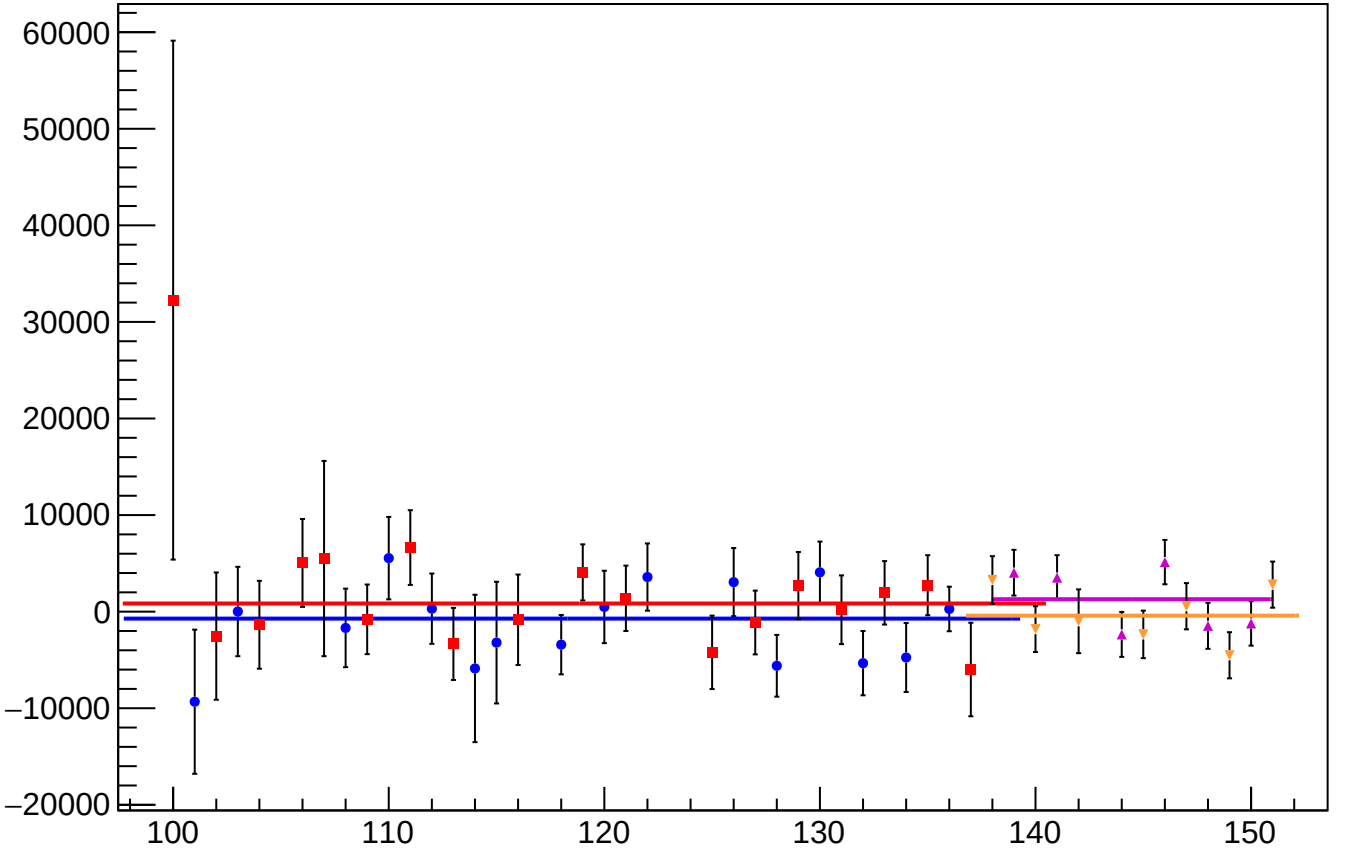
Left In: 163.191+/-0.051 χ^2/NDF:341785.9/5

+ sign 172.598+/-0.040 χ^2/NDF: 6165433.5/22

All: 167.602+/-0.028 χ^2/NDF: 13608974.5/46

- sign 162.742+/-0.039 χ^2/NDF: 7412517.3/23

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: -413.981+/-943.265 χ^2/NDF:8.2/6

Right Out: 844.810+/-928.703 χ^2/NDF: 12.9/17

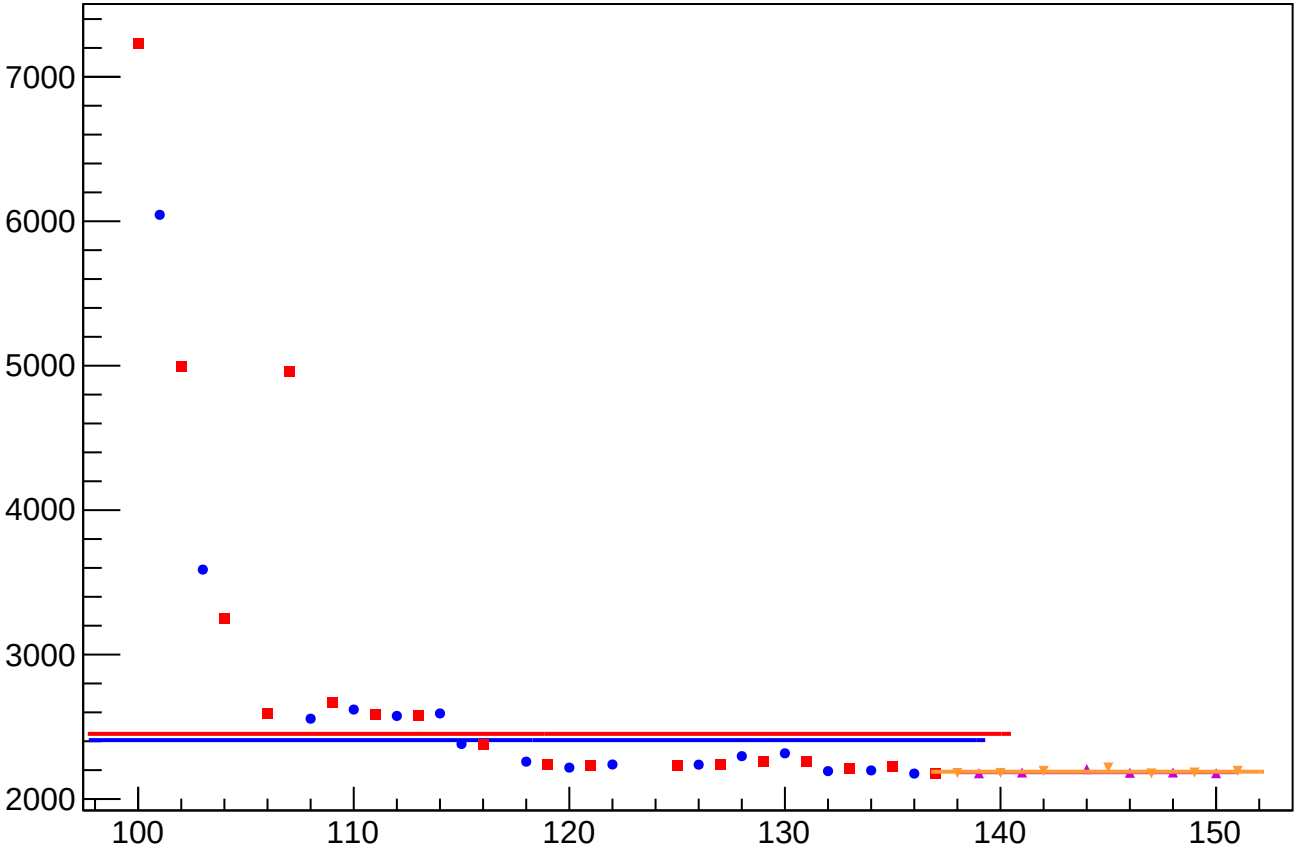
Left In: 1289.694+/-951.865 χ^2/NDF:10.1/5

+ sign -571.215+/-657.221 χ^2/NDF: 24.0/22

All: 236.005+/-467.358 χ^2/NDF: 50.2/46

- sign 1061.773+/-664.730 χ^2/NDF: 23.1/23

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2189.086+/-0.667 χ^2/NDF:407.5/6

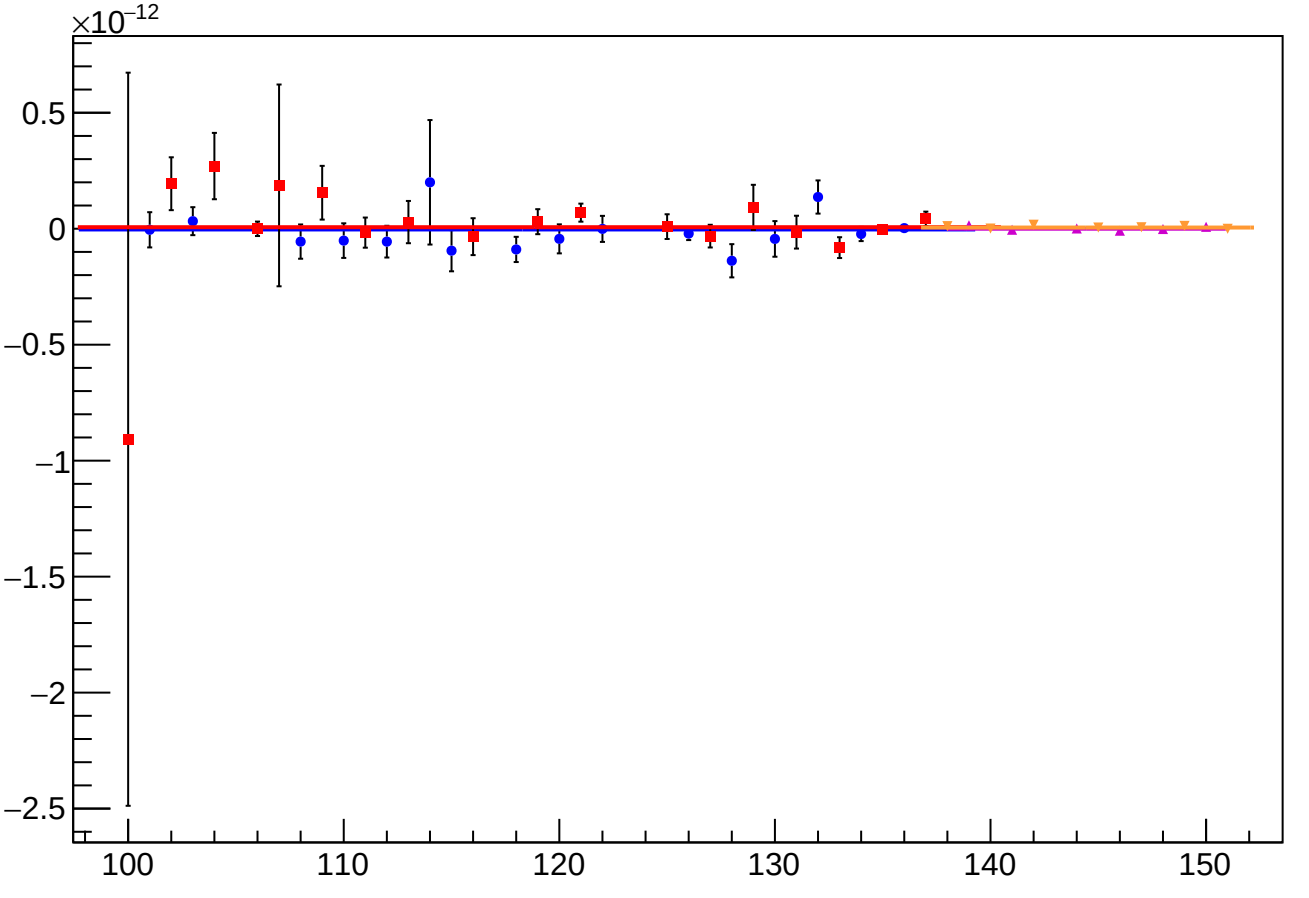
Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2185.738+/-0.673 χ^2/NDF:224.7/5

+ sign 2301.620+/-0.465 χ^2/NDF: 732622.4/22

All: 2311.562+/-0.330 χ^2/NDF: 1447059.6/46

- sign 2321.733+/-0.470 χ^2/NDF: 713511.3/23



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.5/6

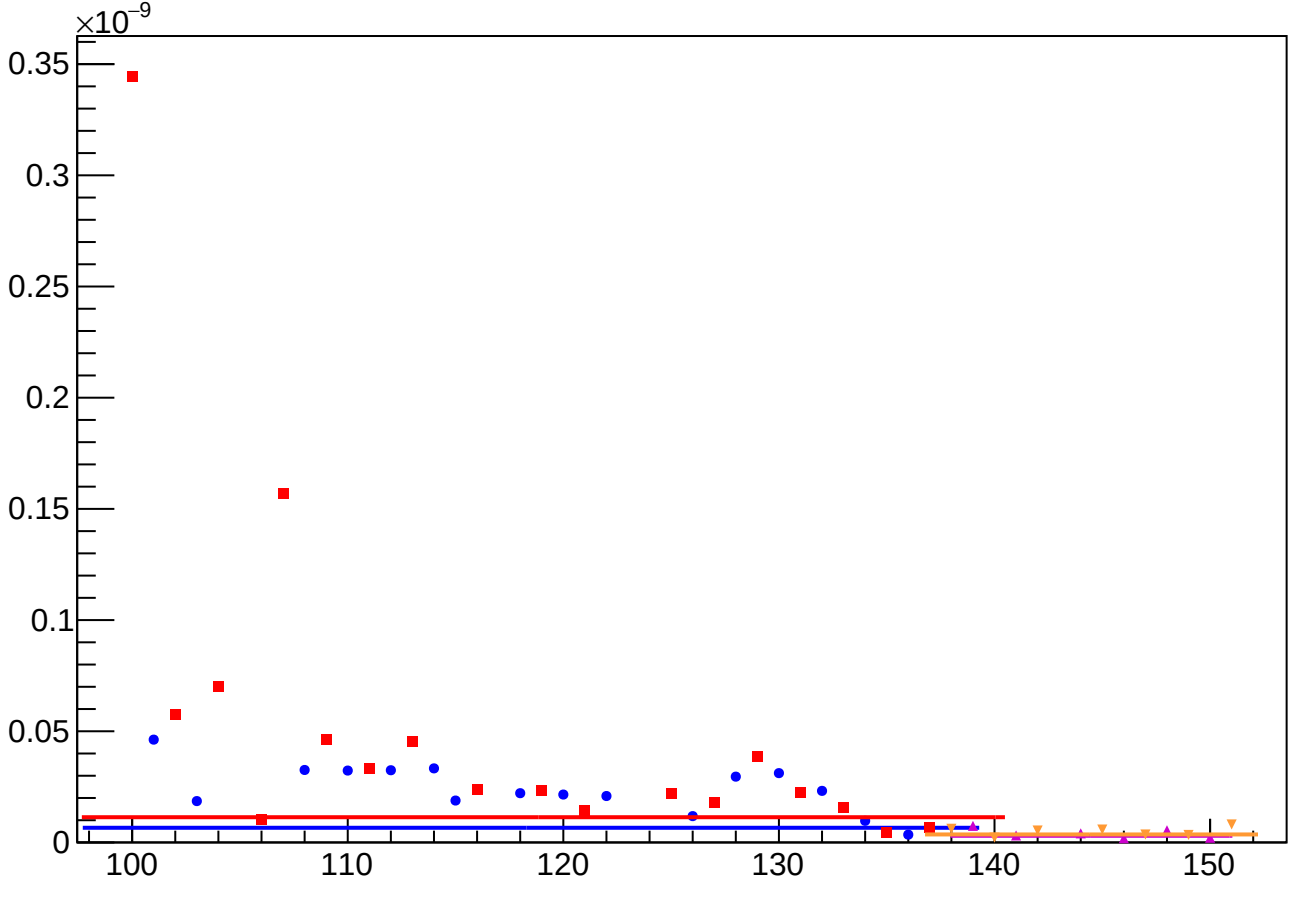
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: 0.000+/-0.000 χ^2/NDF:7.7/5

+ sign 0.000+/-0.000 χ^2/NDF: 20.5/22

All: 0.000+/-0.000 χ^2/NDF: 48.3/46

- sign 0.000+/-0.000 χ^2/NDF: 27.0/23



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:758121.9/6

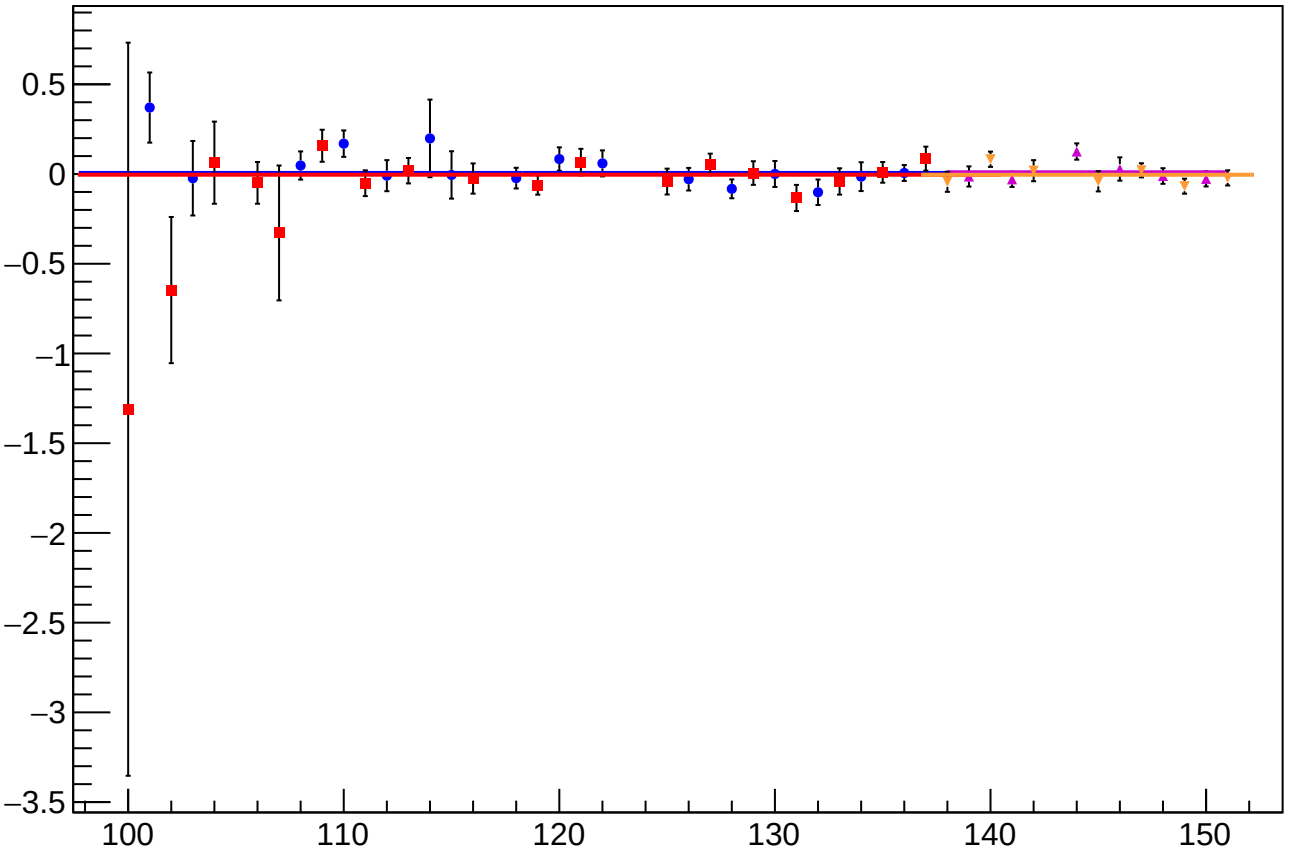
Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:597130.3/5

+ sign 0.000+/-0.000 χ^2/NDF: 3995419.6/22

All: 0.000+/-0.000 χ^2/NDF: 8695595.4/46

- sign 0.000+/-0.000 χ^2/NDF: 4658399.0/23



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: -0.004+/-0.018 χ^2/NDF:8.1/6

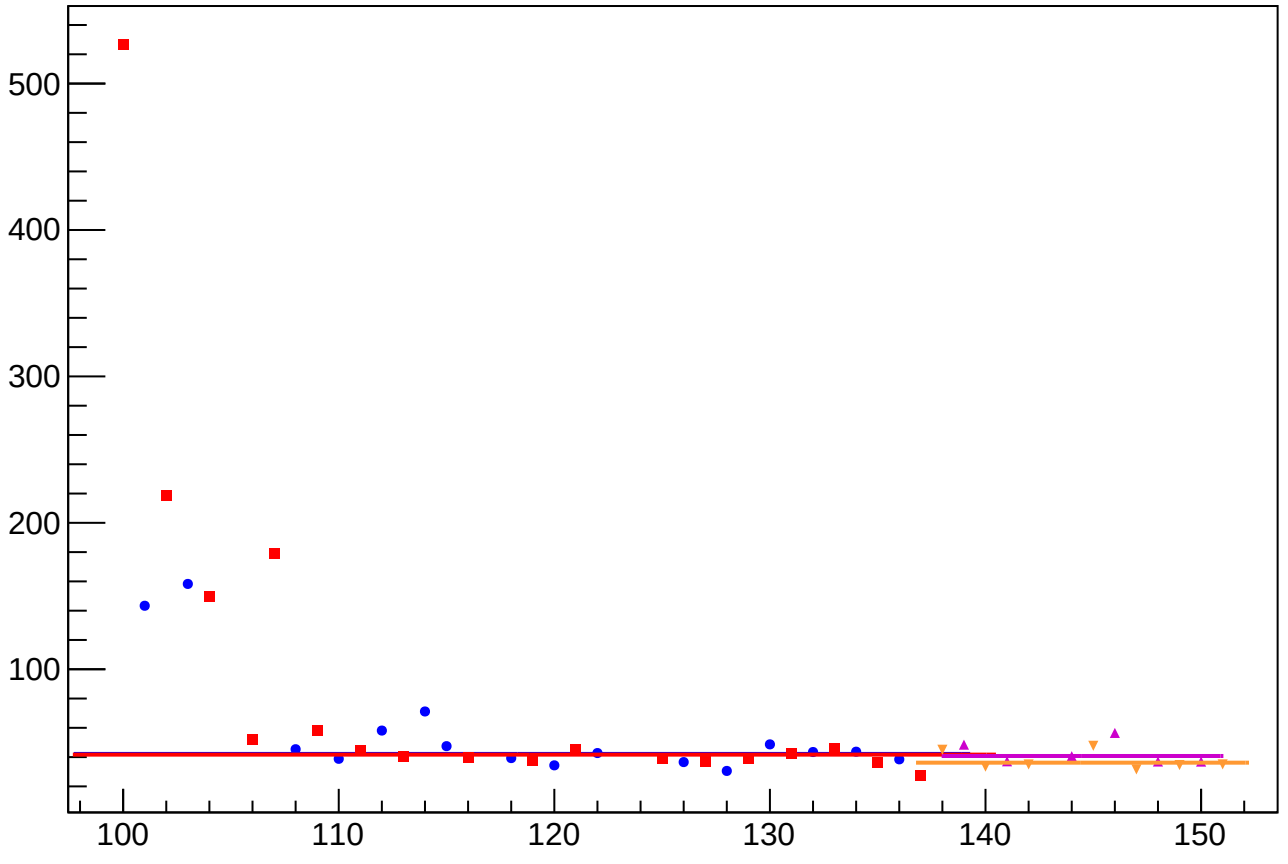
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.010+/-0.019 χ^2/NDF:8.6/5

+ sign 0.001+/-0.013 χ^2/NDF: 25.4/22

All: 0.002+/-0.009 χ^2/NDF: 50.6/46

- sign 0.003+/-0.013 χ^2/NDF: 25.1/23



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 36.197+/-0.012 χ^2/NDF:173379.3/6

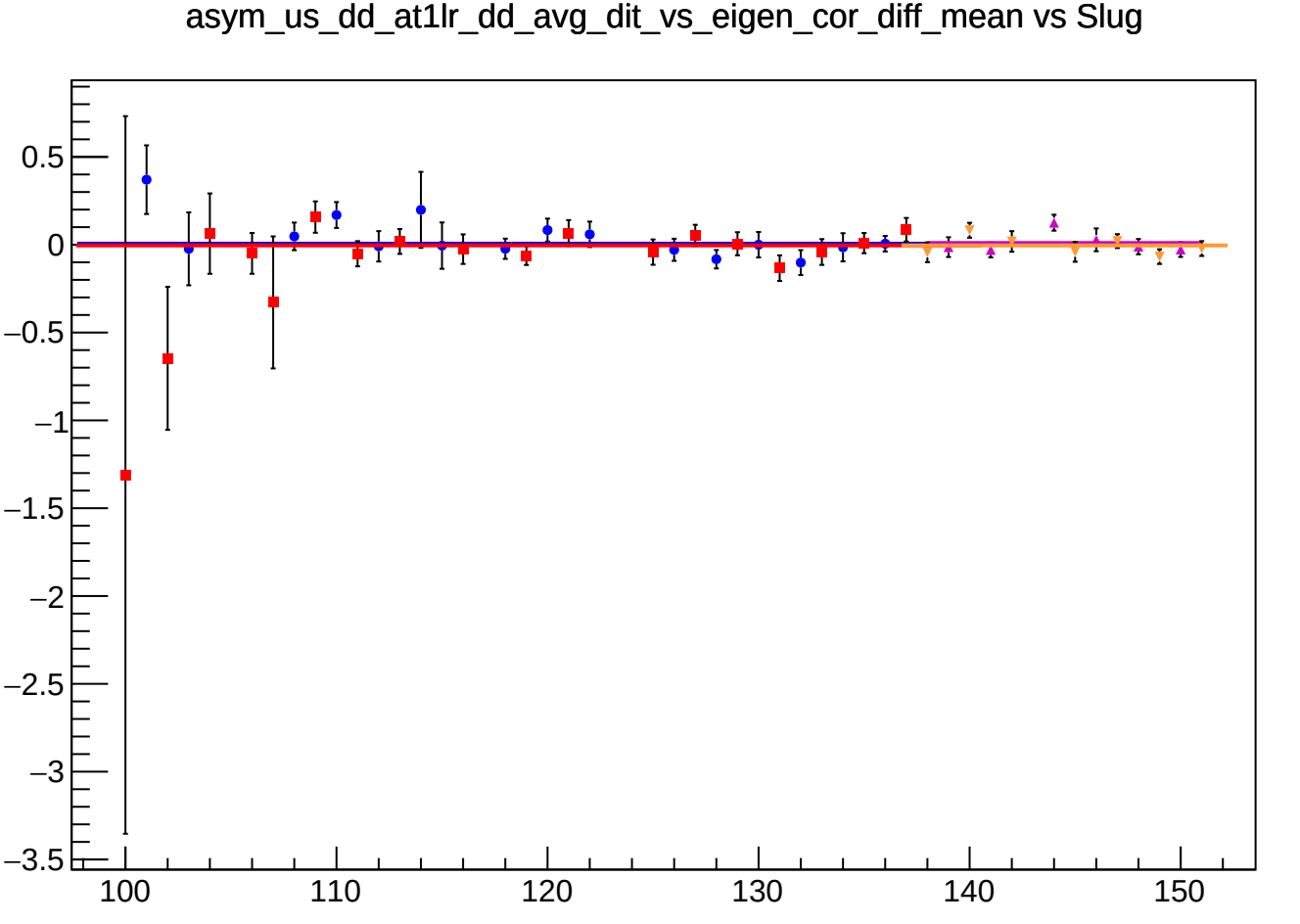
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 40.761+/-0.014 χ^2/NDF:201416.6/5

+ sign 39.061+/-0.009 χ^2/NDF: 1738898.7/22

All: 40.090+/-0.007 χ^2/NDF: 3412019.0/46

- sign 41.245+/-0.009 χ^2/NDF: 1645030.0/23



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: -0.004+/-0.018 χ^2/NDF:8.1/6

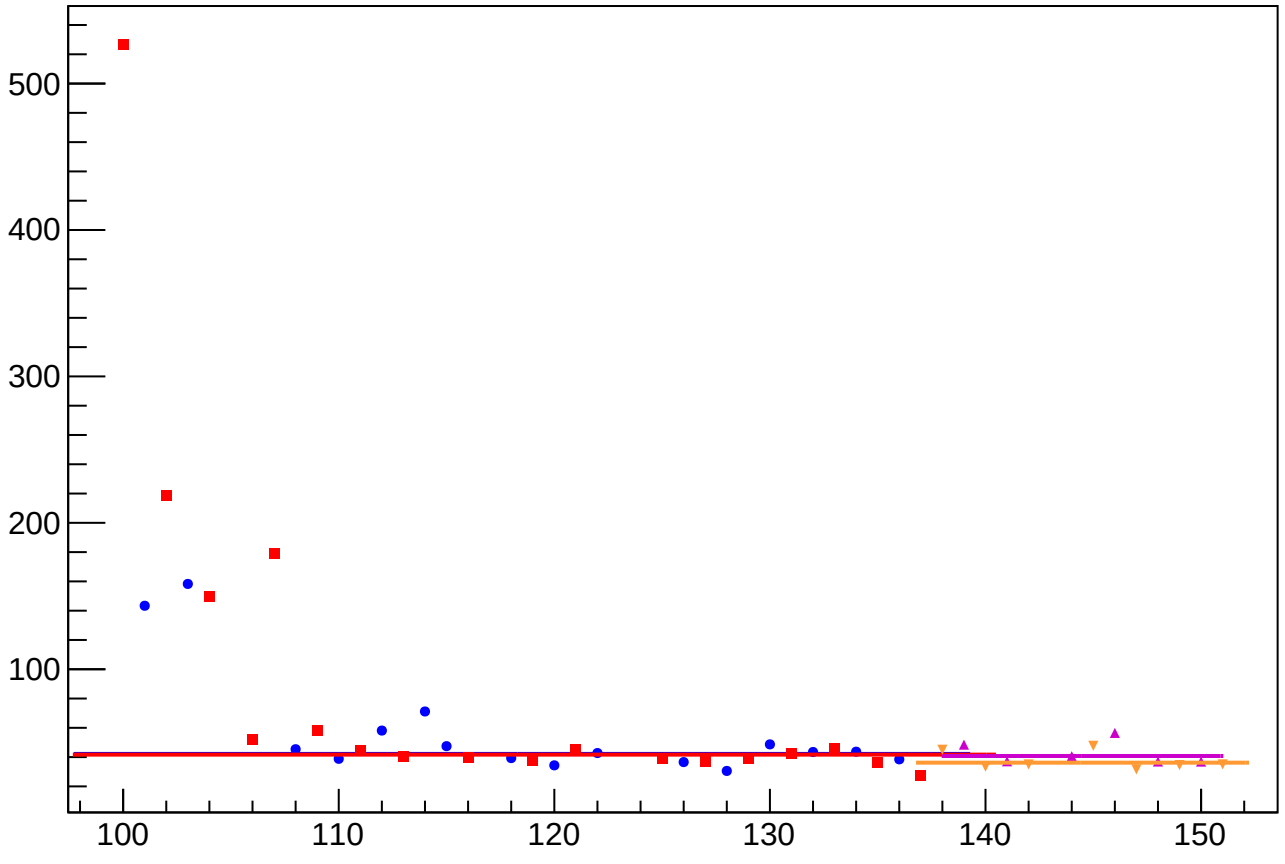
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.010+/-0.019 χ^2/NDF:8.6/5

+ sign 0.001+/-0.013 χ^2/NDF: 25.4/22

All: 0.002+/-0.009 χ^2/NDF: 50.6/46

- sign 0.003+/-0.013 χ^2/NDF: 25.1/23



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 36.197+/-0.012 χ^2/NDF:173379.3/6

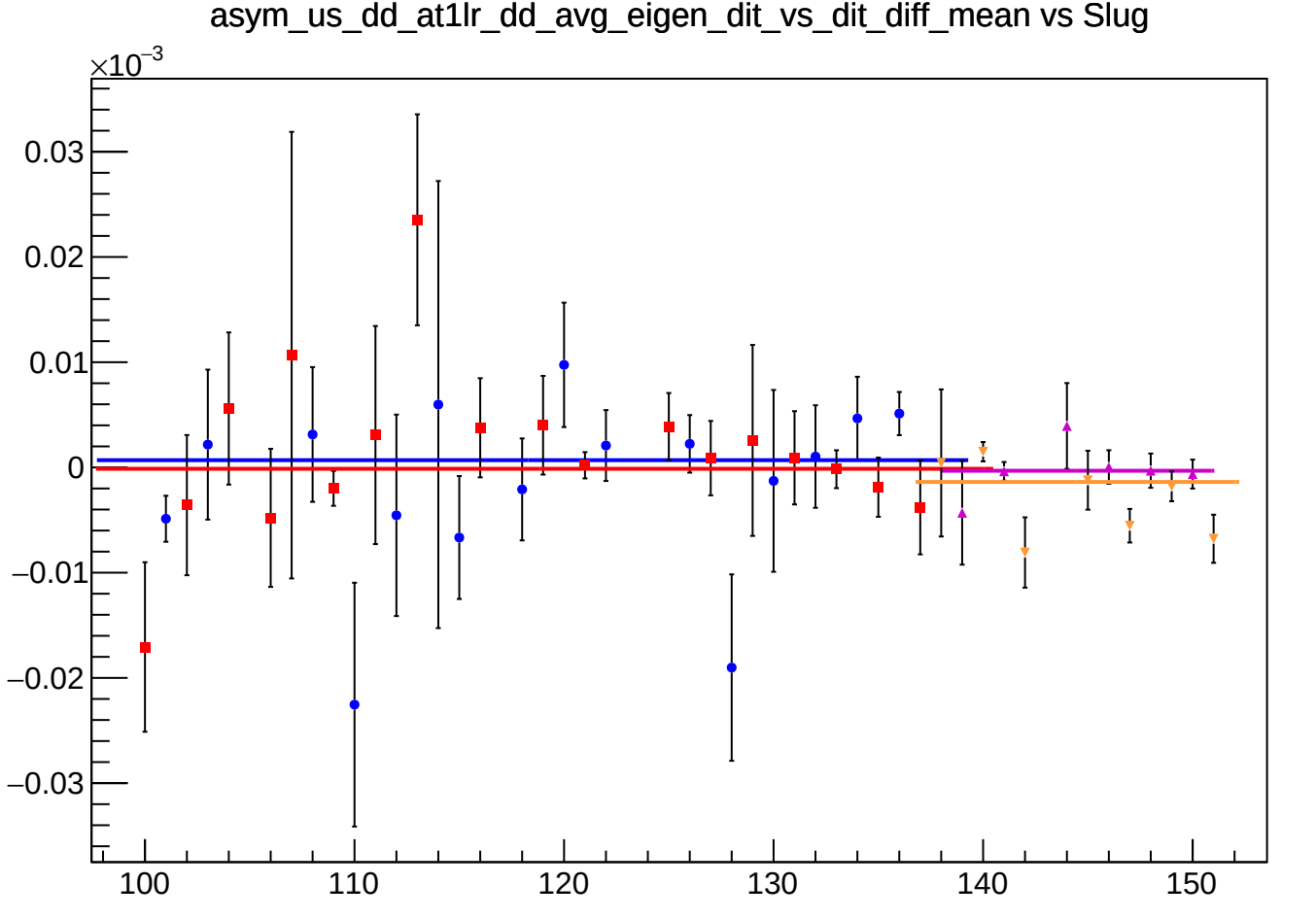
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 40.761+/-0.014 χ^2/NDF:201416.6/5

+ sign 39.061+/-0.009 χ^2/NDF: 1738898.7/22

All: 40.090+/-0.007 χ^2/NDF: 3412019.0/46

- sign 41.245+/-0.009 χ^2/NDF: 1645030.0/23



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.4/6

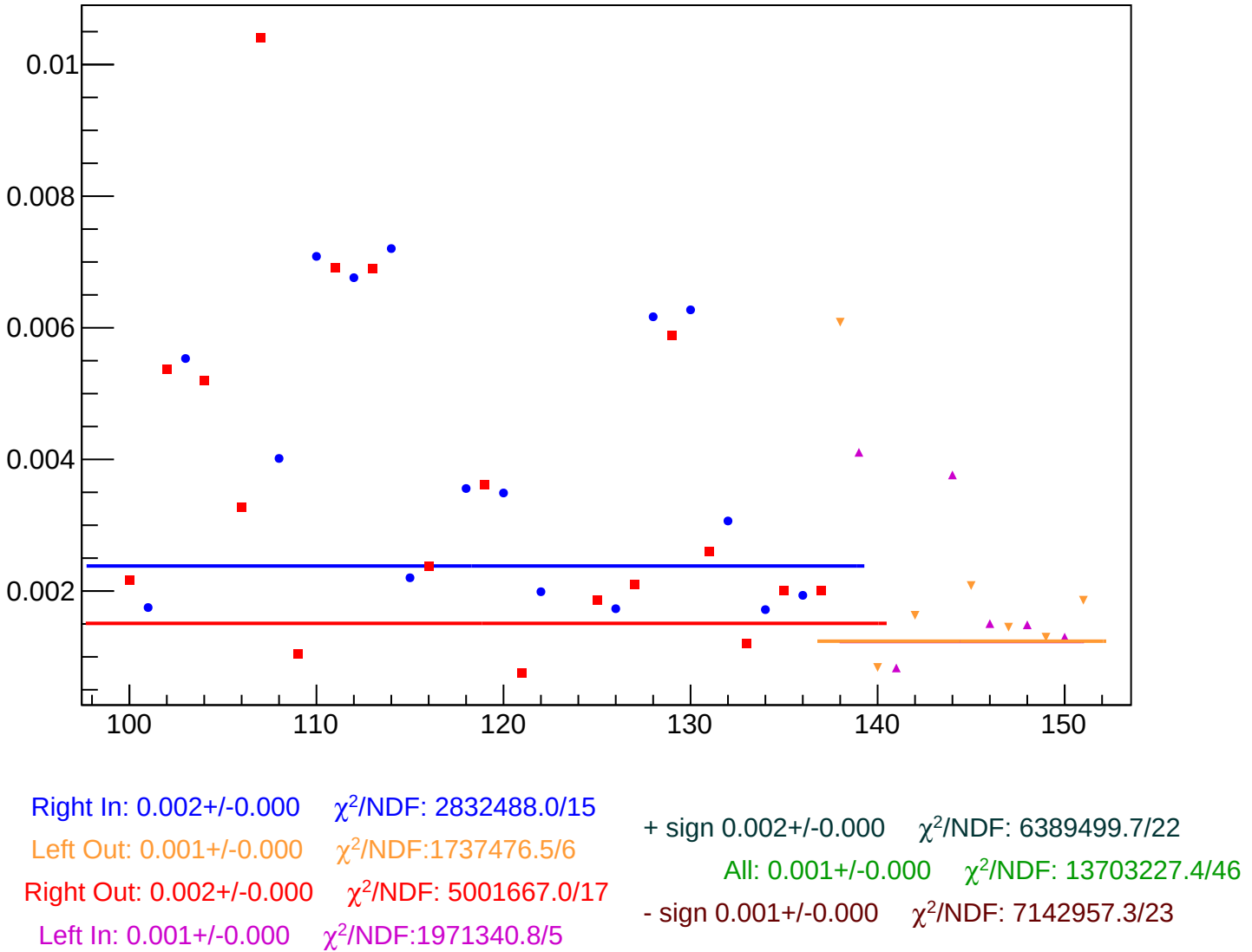
Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: -0.000+/-0.000 χ^2/NDF:1.9/5

+ sign -0.000+/-0.000 χ^2/NDF: 55.8/22

All: -0.000+/-0.000 χ^2/NDF: 75.8/46

- sign -0.000+/-0.000 χ^2/NDF: 19.3/23


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
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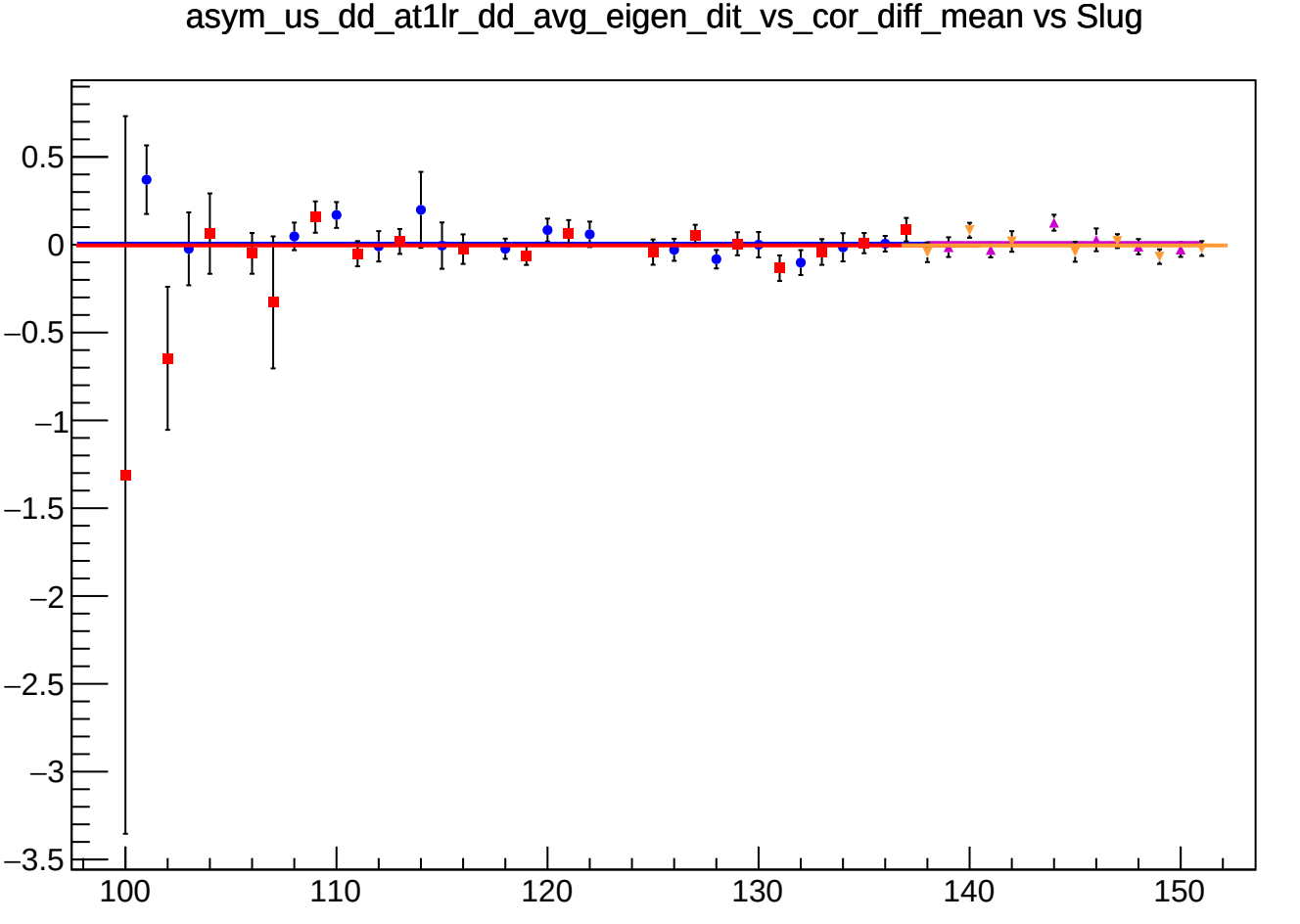
0.008
0.006
0.004
0.002
100
110
120
130
140
150
Right In: 0.002+/-0.000 χ²/NDF: 2832488.0/15
Left Out: 0.001+/-0.000 χ²/NDF:1737476.5/6
Right Out: 0.002+/-0.000 χ²/NDF: 5001667.0/17
Left In: 0.001+/-0.000 χ²/NDF:1971340.8/5
+ sign 0.002+/-0.000 χ²/NDF: 6389499.7/22
All: 0.001+/-0.000 χ²/NDF: 13703227.4/46
- sign 0.001+/-0.000 χ²/NDF: 7142957.3/23



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: -0.004+/-0.018 χ^2/NDF:8.1/6

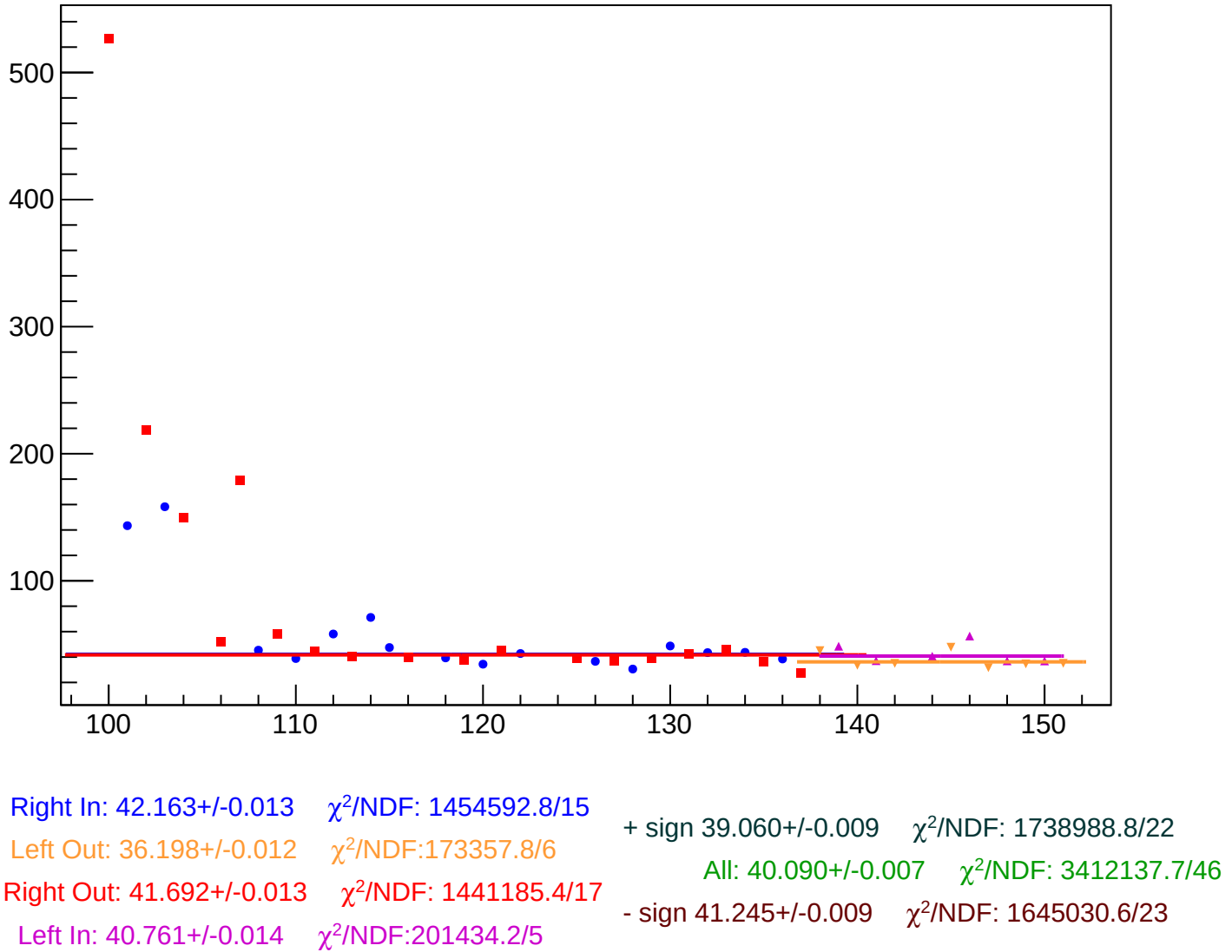
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.010+/-0.019 χ^2/NDF:8.6/5

+ sign 0.001+/-0.013 χ^2/NDF: 25.4/22

All: 0.002+/-0.009 χ^2/NDF: 50.6/46

- sign 0.003+/-0.013 χ^2/NDF: 25.1/23


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug
500
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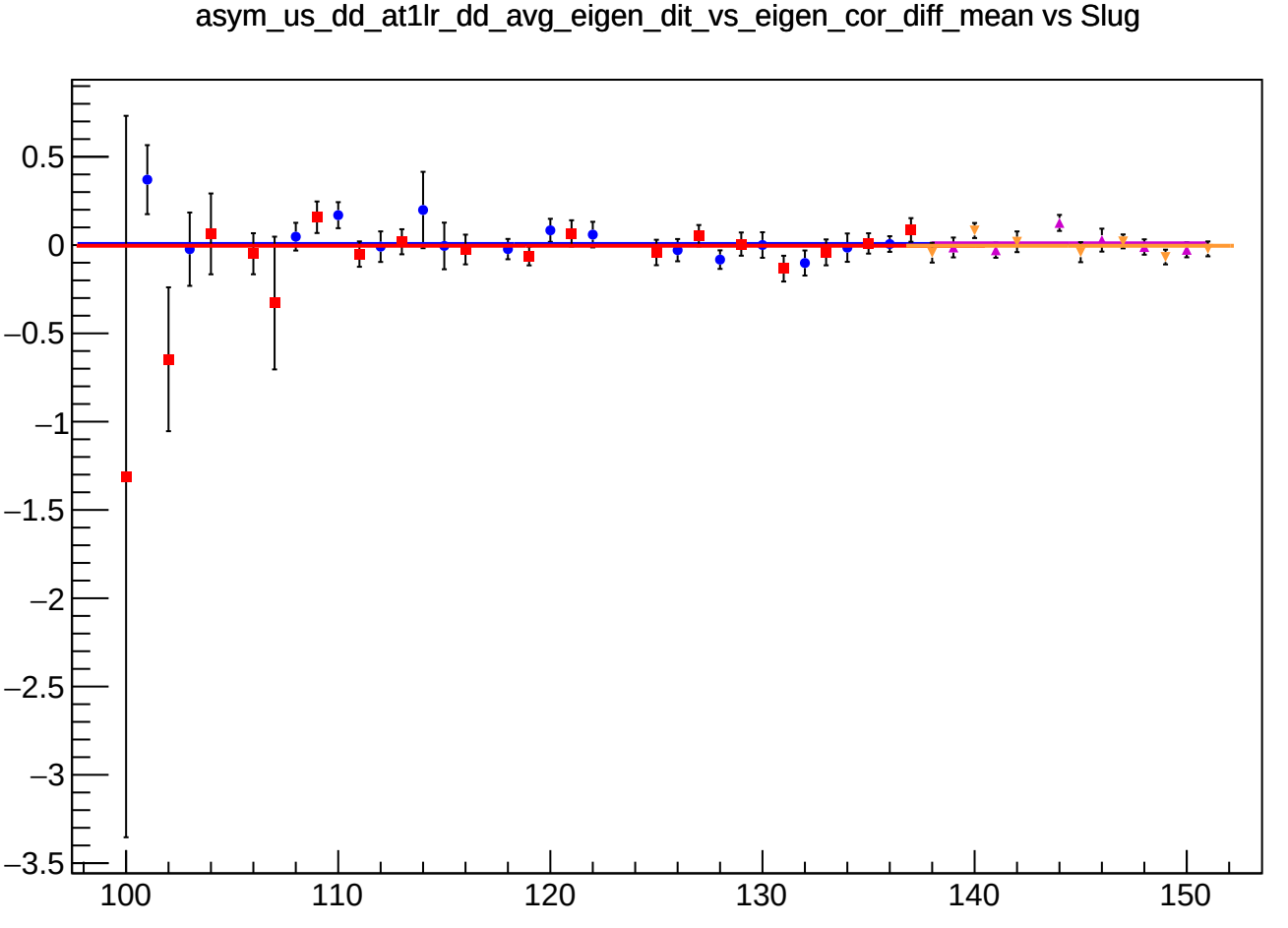
140
150
Right In: 42.163+/-0.013 χ²/NDF: 1454592.8/15
Left Out: 36.198+/-0.012 χ²/NDF:173357.8/6
Right Out: 41.692+/-0.013 χ²/NDF: 1441185.4/17
Left In: 40.761+/-0.014 χ²/NDF:201434.2/5
+ sign 39.060+/-0.009 χ²/NDF: 1738988.8/22
All: 40.090+/-0.007 χ²/NDF: 3412137.7/46
- sign 41.245+/-0.009 χ²/NDF: 1645030.6/23



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: -0.004+/-0.018 χ^2/NDF:8.1/6

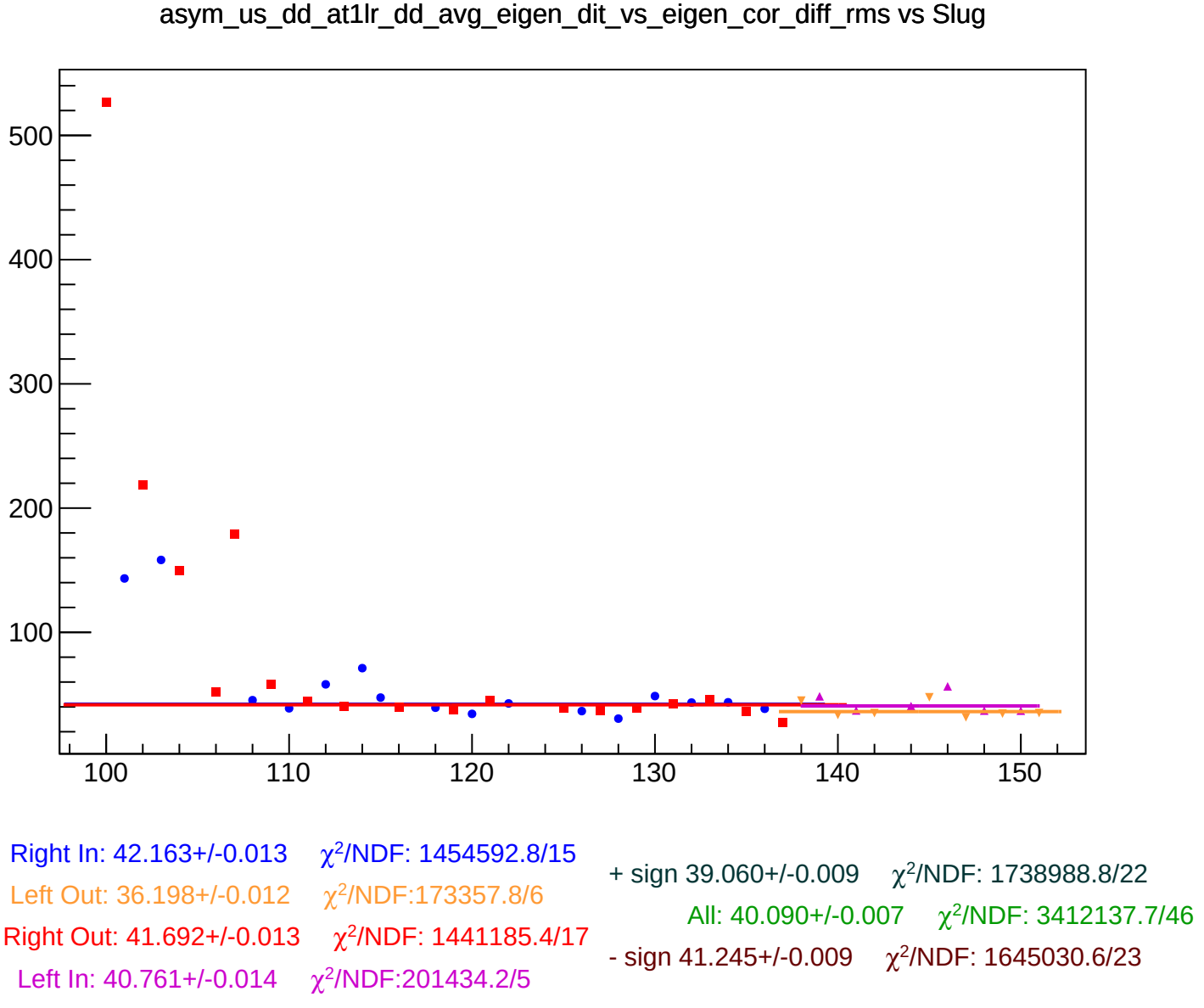
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.010+/-0.019 χ^2/NDF:8.6/5

+ sign 0.001+/-0.013 χ^2/NDF: 25.4/22

All: 0.002+/-0.009 χ^2/NDF: 50.6/46

- sign 0.003+/-0.013 χ^2/NDF: 25.1/23


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
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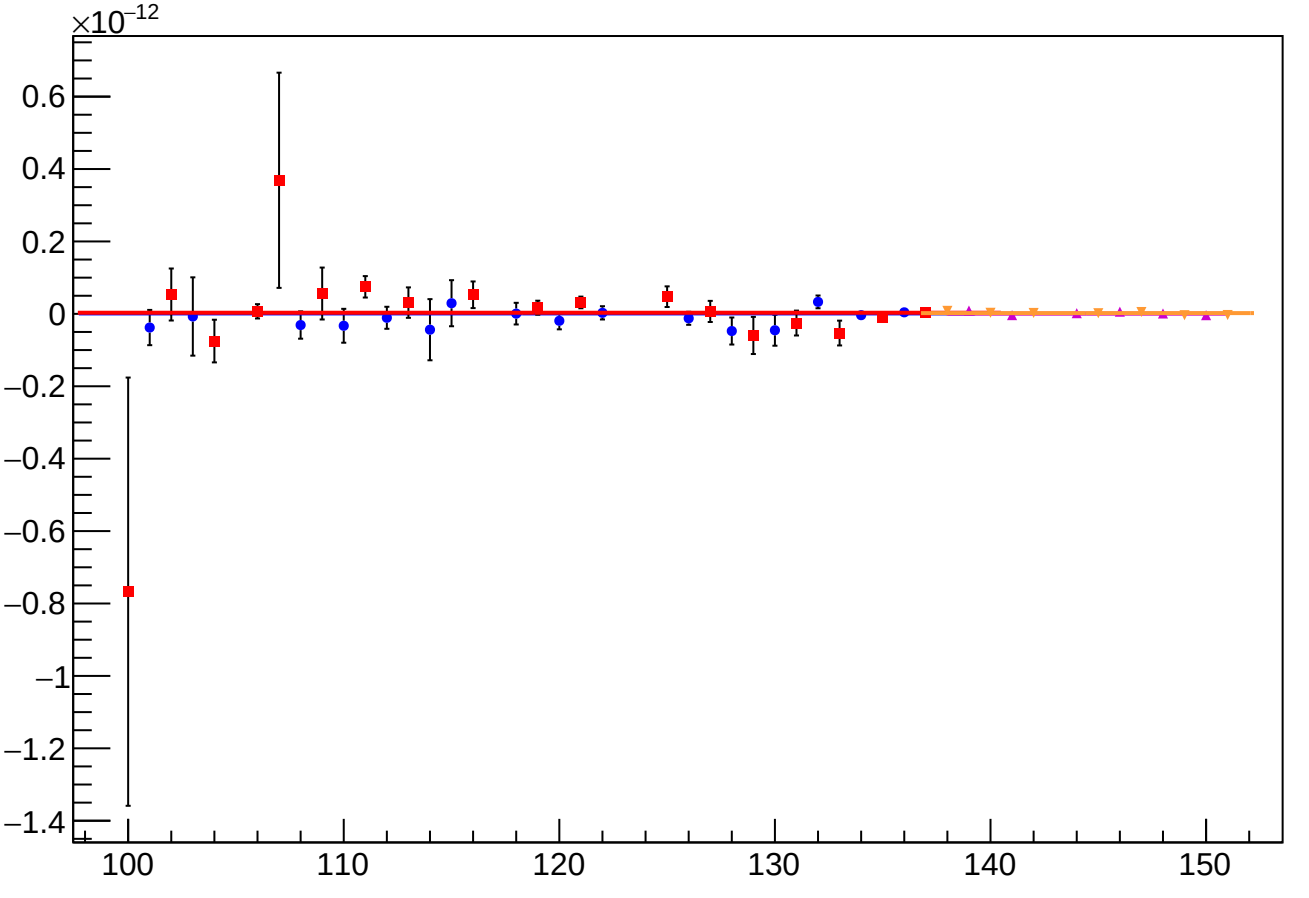
150
Right In: 42.163+/-0.013 χ²/NDF: 1454592.8/15
Left Out: 36.198+/-0.012 χ²/NDF:173357.8/6
Right Out: 41.692+/-0.013 χ²/NDF: 1441185.4/17
Left In: 40.761+/-0.014 χ²/NDF:201434.2/5
+ sign 39.060+/-0.009 χ²/NDF: 1738988.8/22
All: 40.090+/-0.007 χ²/NDF: 3412137.7/46
- sign 41.245+/-0.009 χ²/NDF: 1645030.6/23



Right In: 0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.6/6

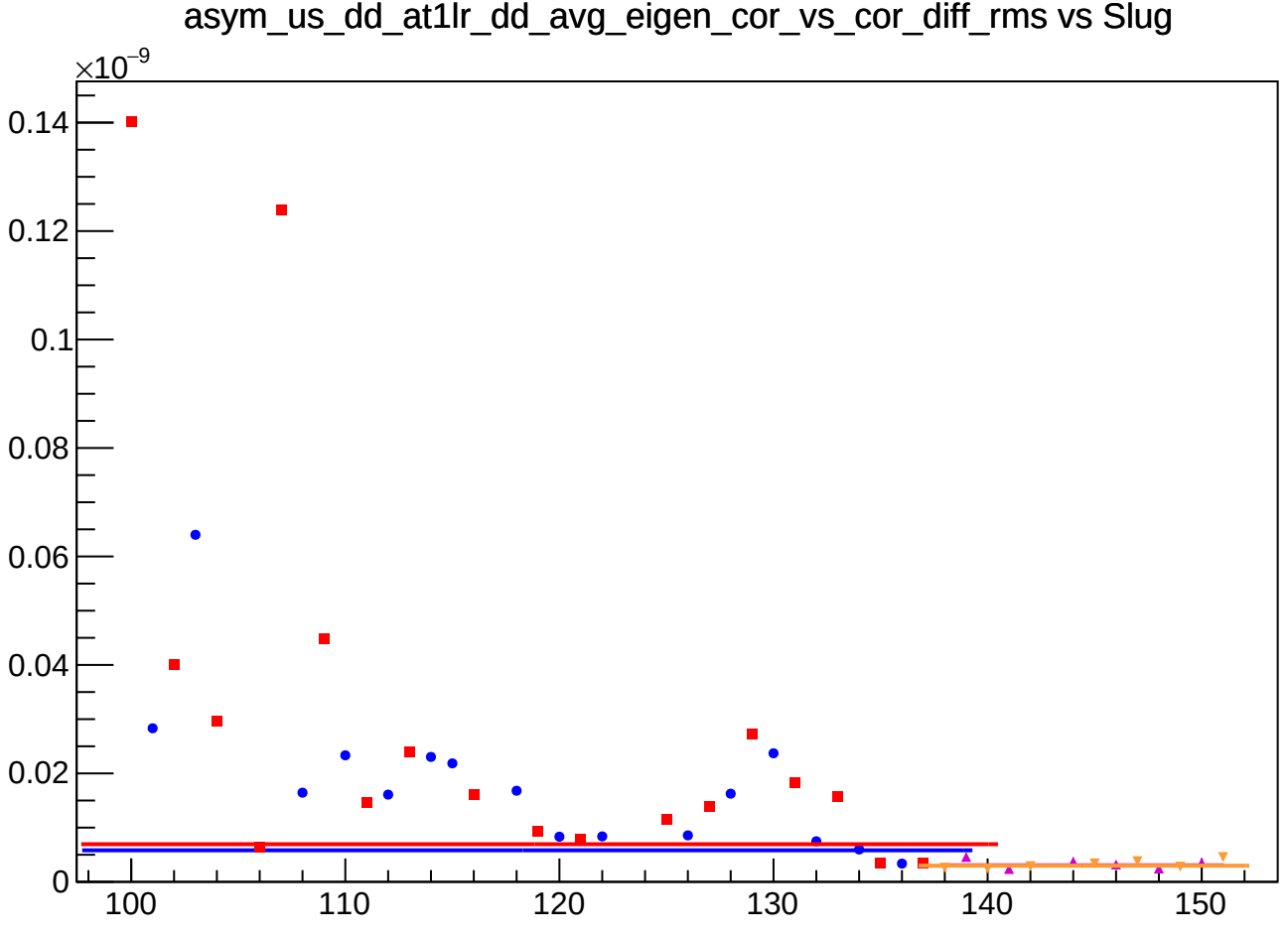
Right Out: 0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: 0.000+/-0.000 χ^2/NDF:5.1/5

+ sign 0.000+/-0.000 χ^2/NDF: 15.2/22

All: 0.000+/-0.000 χ^2/NDF: 49.5/46

- sign 0.000+/-0.000 χ^2/NDF: 34.1/23



Right In: 0.000+/-0.000 χ^2/NDF: 3296021.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:232060.1/6

Right Out: 0.000+/-0.000 χ^2/NDF: 3789910.8/17

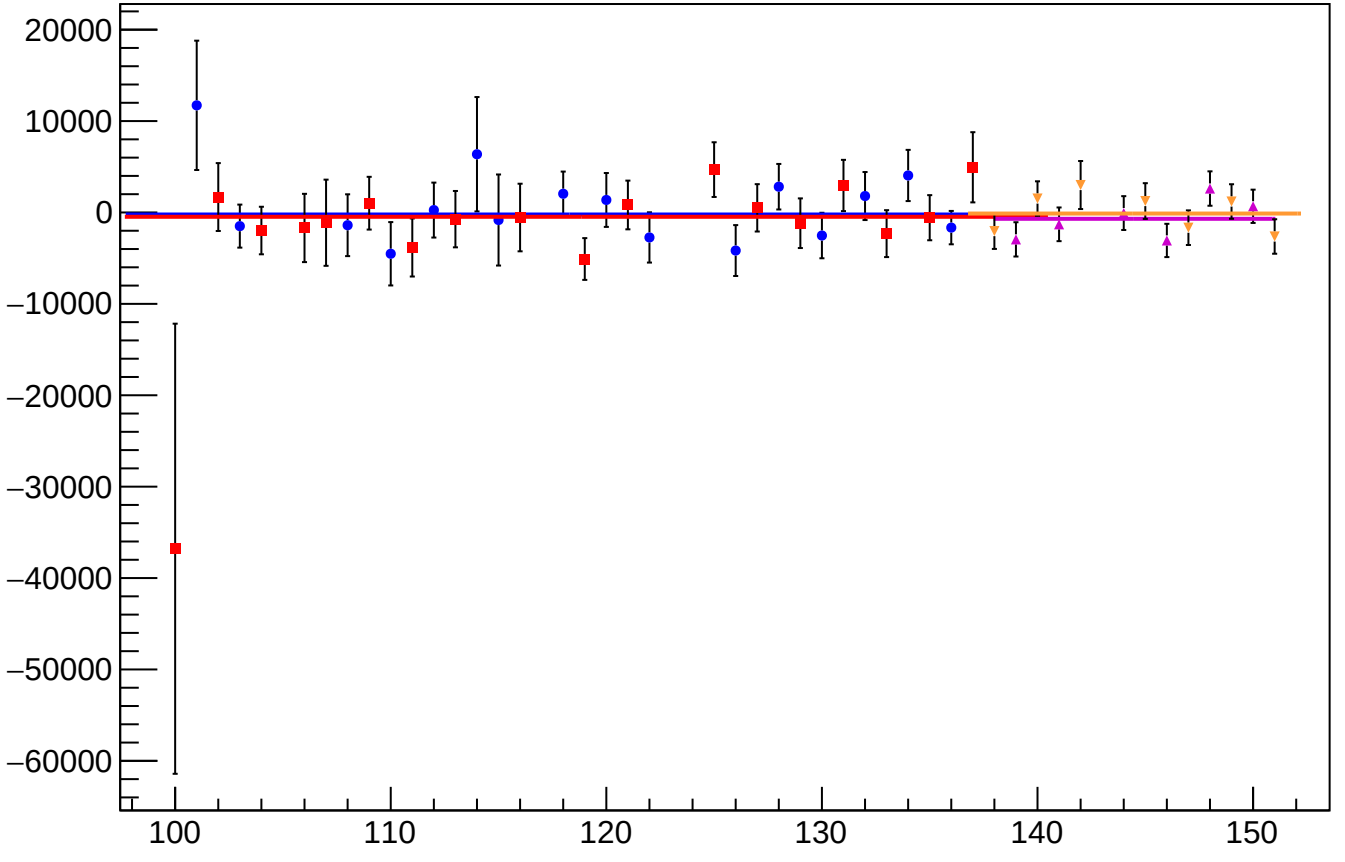
Left In: 0.000+/-0.000 χ^2/NDF:279495.3/5

+ sign 0.000+/-0.000 χ^2/NDF: 4398439.8/22

All: 0.000+/-0.000 χ^2/NDF: 9638575.7/46

- sign 0.000+/-0.000 χ^2/NDF: 5235768.3/23

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: -118.410+/-747.416 χ^2/NDF:6.5/6

Right Out: -472.410+/-711.475 χ^2/NDF: 15.9/17

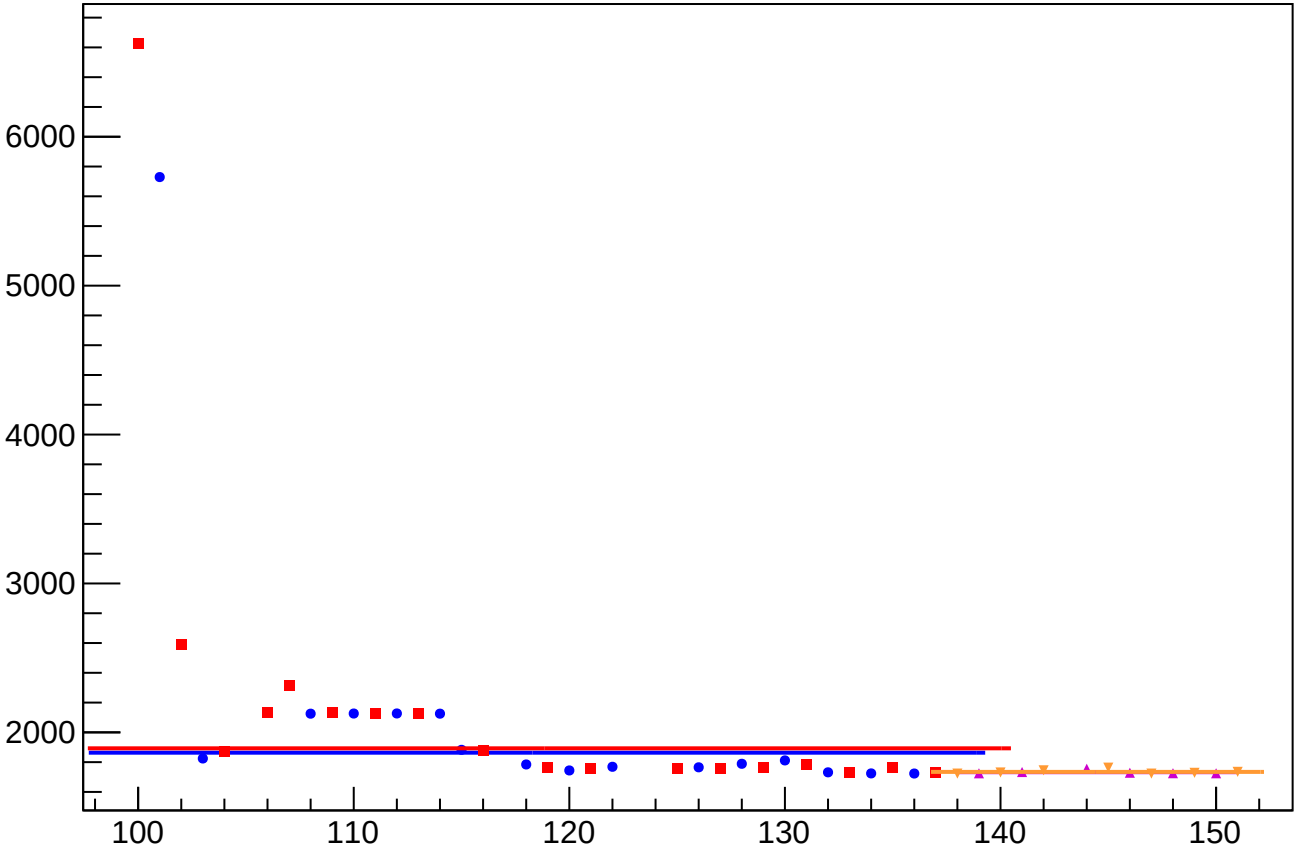
Left In: -694.601+/-754.476 χ^2/NDF:7.0/5

+ sign -173.440+/-514.441 χ^2/NDF: 22.4/22

All: -373.972+/-364.885 χ^2/NDF: 45.6/46

- sign -576.994+/-517.623 χ^2/NDF: 22.9/23

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1734.544+/-0.529 χ^2/NDF:627.2/6

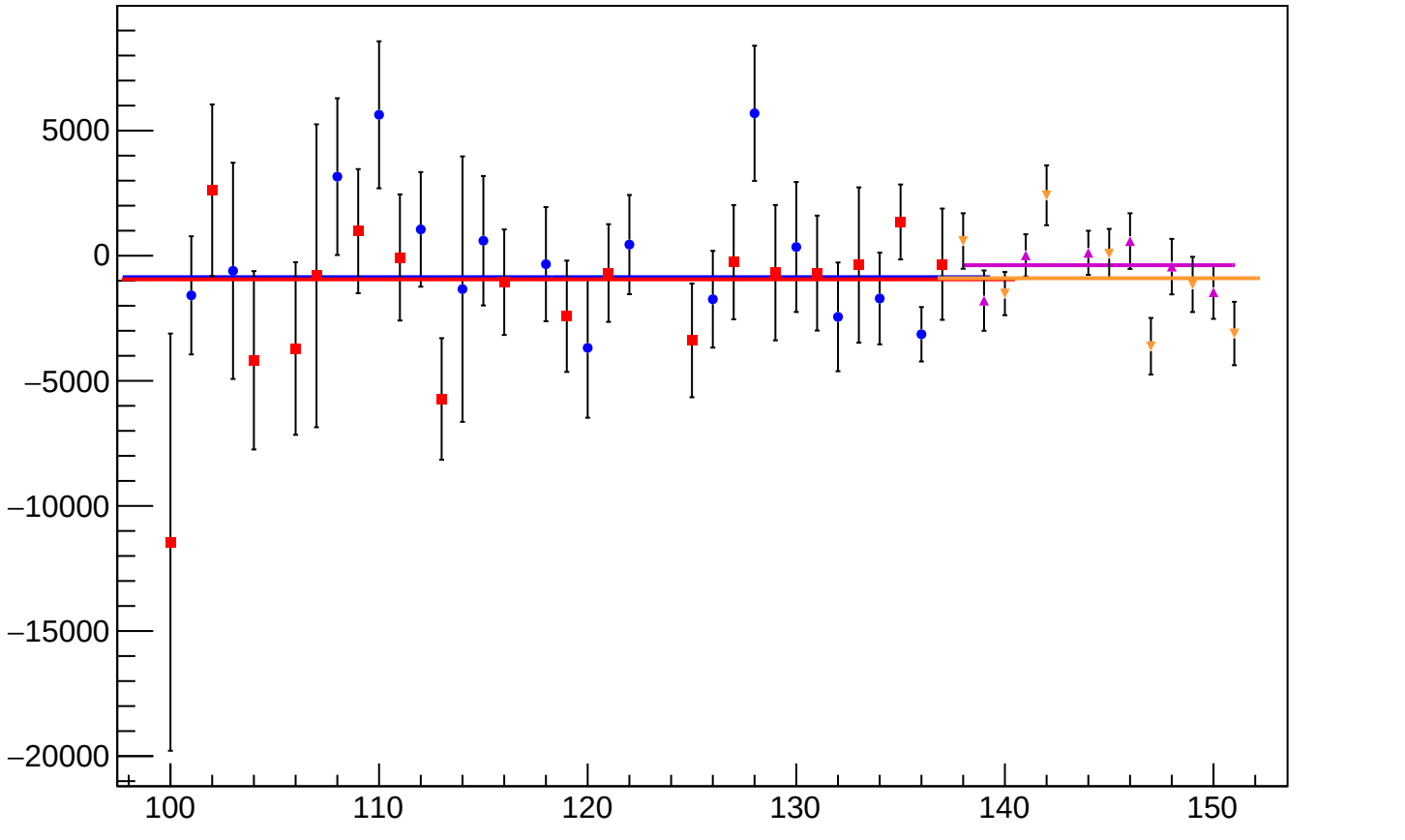
Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1732.464+/-0.533 χ^2/NDF:416.0/5

+ sign 1802.450+/-0.364 χ^2/NDF: 706663.8/22

All: 1809.862+/-0.258 χ^2/NDF: 1007276.5/46

- sign 1817.366+/-0.366 χ^2/NDF: 299777.2/23



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

Left Out: -899.606+/-404.854 χ^2/NDF:19.8/6

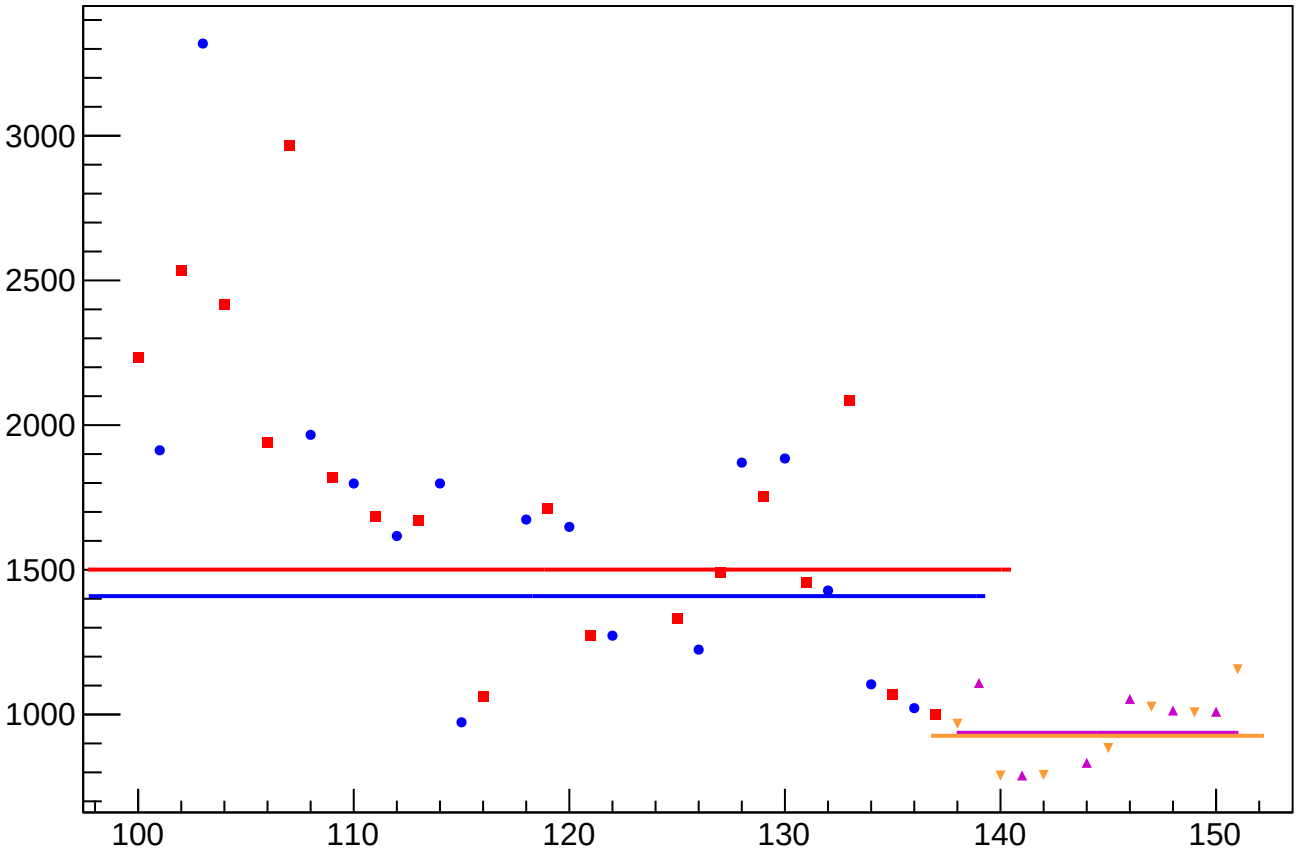
Right Out: -944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: -378.878+/-412.402 χ^2/NDF:3.7/5

\+ sign -884.730+/-326.002 χ^2/NDF: 40.5/22

All: -731.154+/-234.265 χ^2/NDF: 58.1/46

\- sign -567.172+/-336.868 χ^2/NDF: 17.2/23



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 926.427+/-0.286 χ^2/NDF:175307.2/6

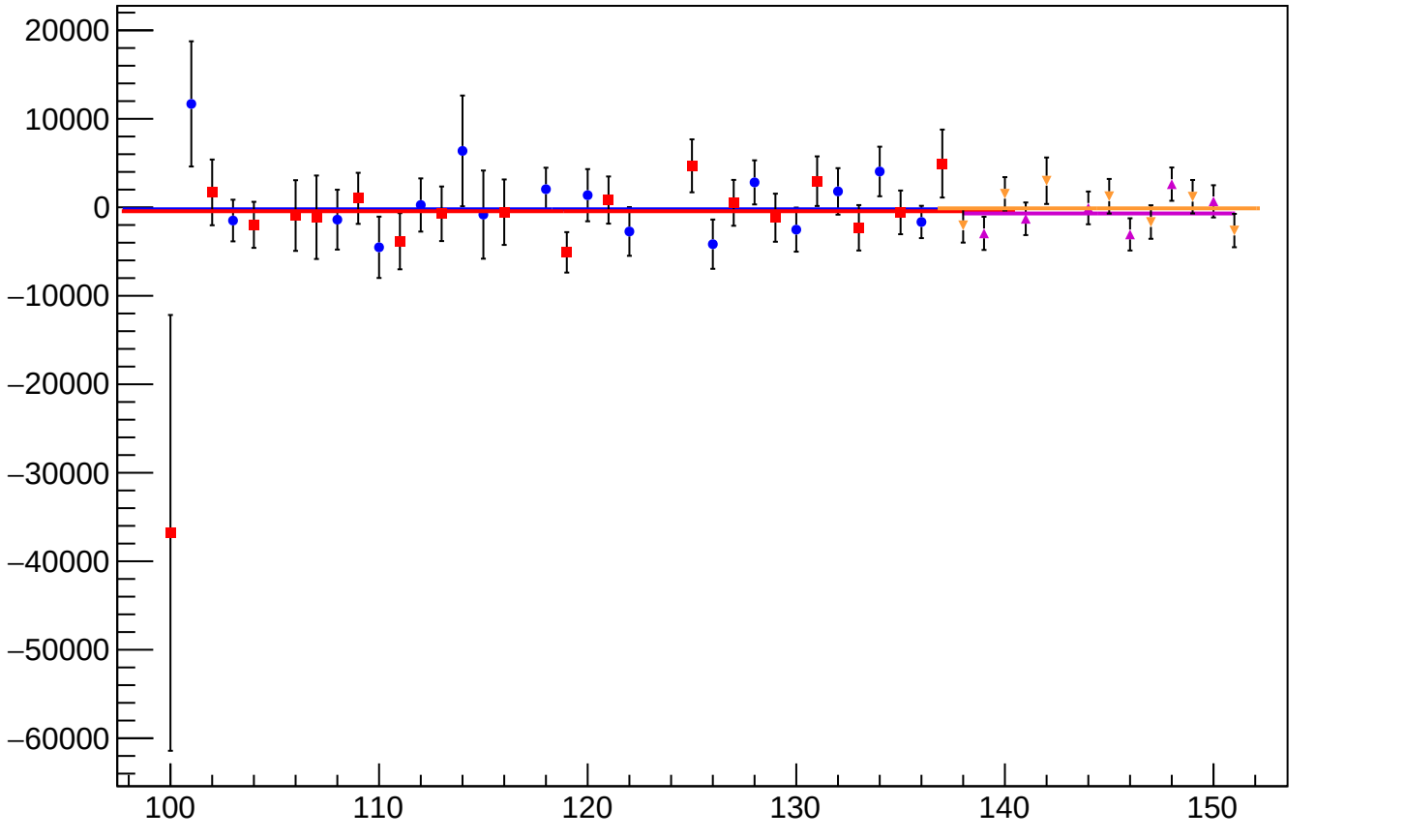
Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

Left In: 936.688+/-0.292 χ^2/NDF:170440.9/5

+ sign 1096.132+/-0.231 χ^2/NDF: 2342503.1/22

All: 1109.806+/-0.166 χ^2/NDF: 4796251.4/46

- sign 1124.407+/-0.238 χ^2/NDF: 2446472.2/23



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: -118.254+/-747.416 χ^2/NDF:6.5/6

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

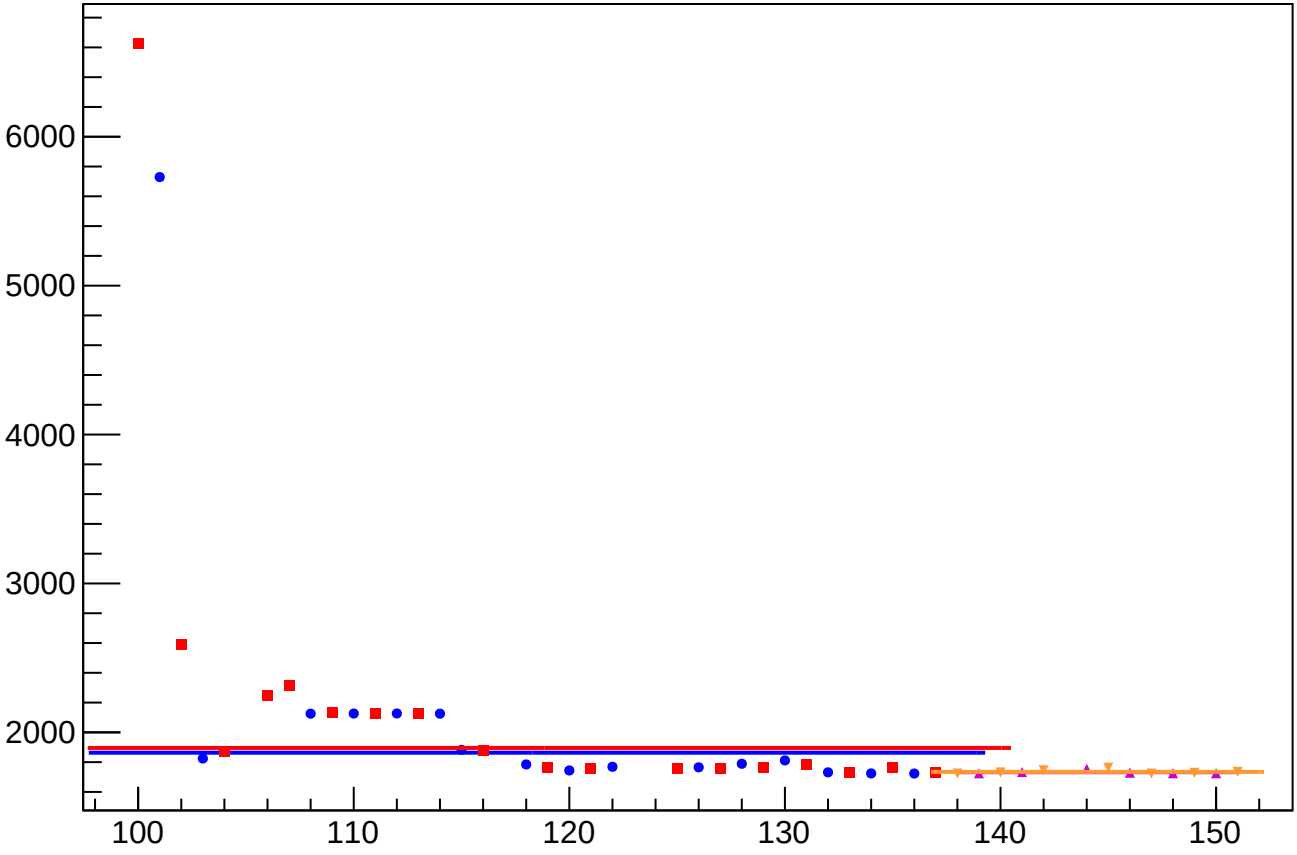
Left In: -694.592+/-754.476 χ^2/NDF:7.0/5

+ sign -173.774+/-514.441 χ^2/NDF: 22.4/22

All: -366.317+/-365.103 χ^2/NDF: 45.5/46

- sign -561.720+/-518.247 χ^2/NDF: 22.8/23

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1734.544+/-0.529 χ^2/NDF:627.2/6

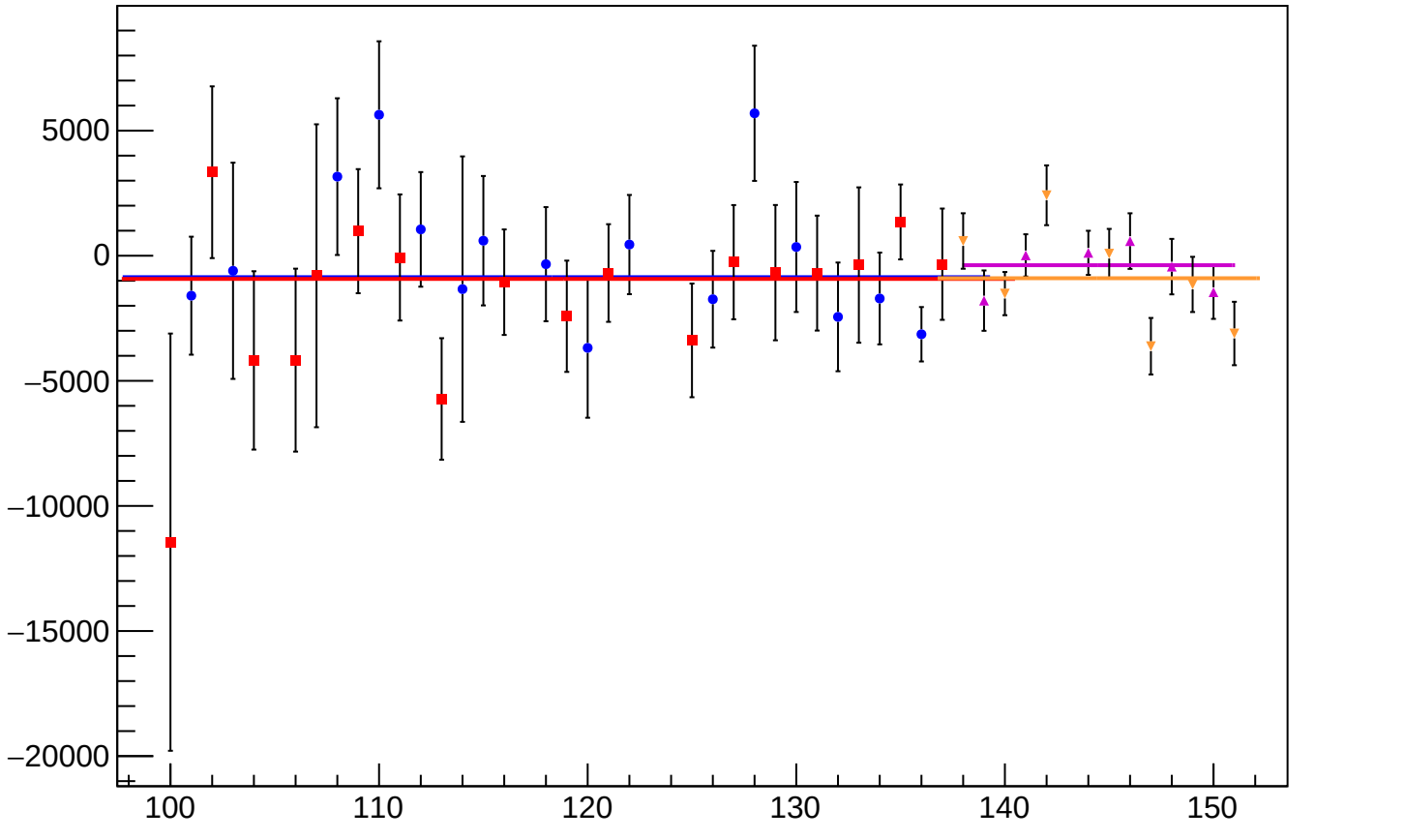
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1732.464+/-0.533 χ^2/NDF:416.0/5

+ sign 1802.450+/-0.364 χ^2/NDF: 706663.7/22

All: 1810.451+/-0.258 χ^2/NDF: 1016547.7/46

- sign 1818.571+/-0.366 χ^2/NDF: 308909.3/23



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -899.617+/-404.855 χ^2/NDF:19.8/6

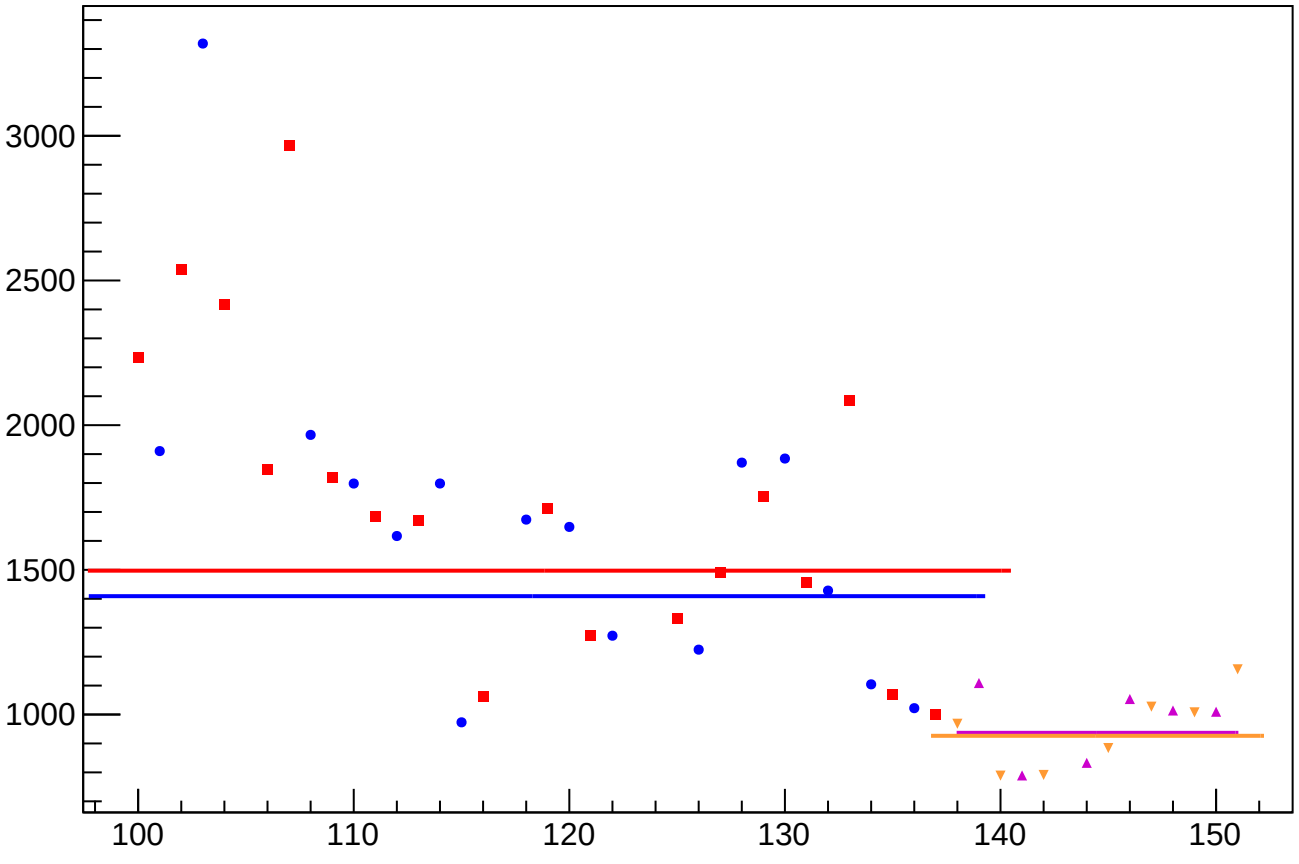
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -379.010+/-412.400 χ^2/NDF:3.7/5

+ sign -885.023+/-325.994 χ^2/NDF: 40.5/22

All: -728.430+/-234.321 χ^2/NDF: 58.7/46

- sign -561.043+/-337.042 χ^2/NDF: 17.8/23



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 926.431+/-0.286 χ^2/NDF:175278.6/6

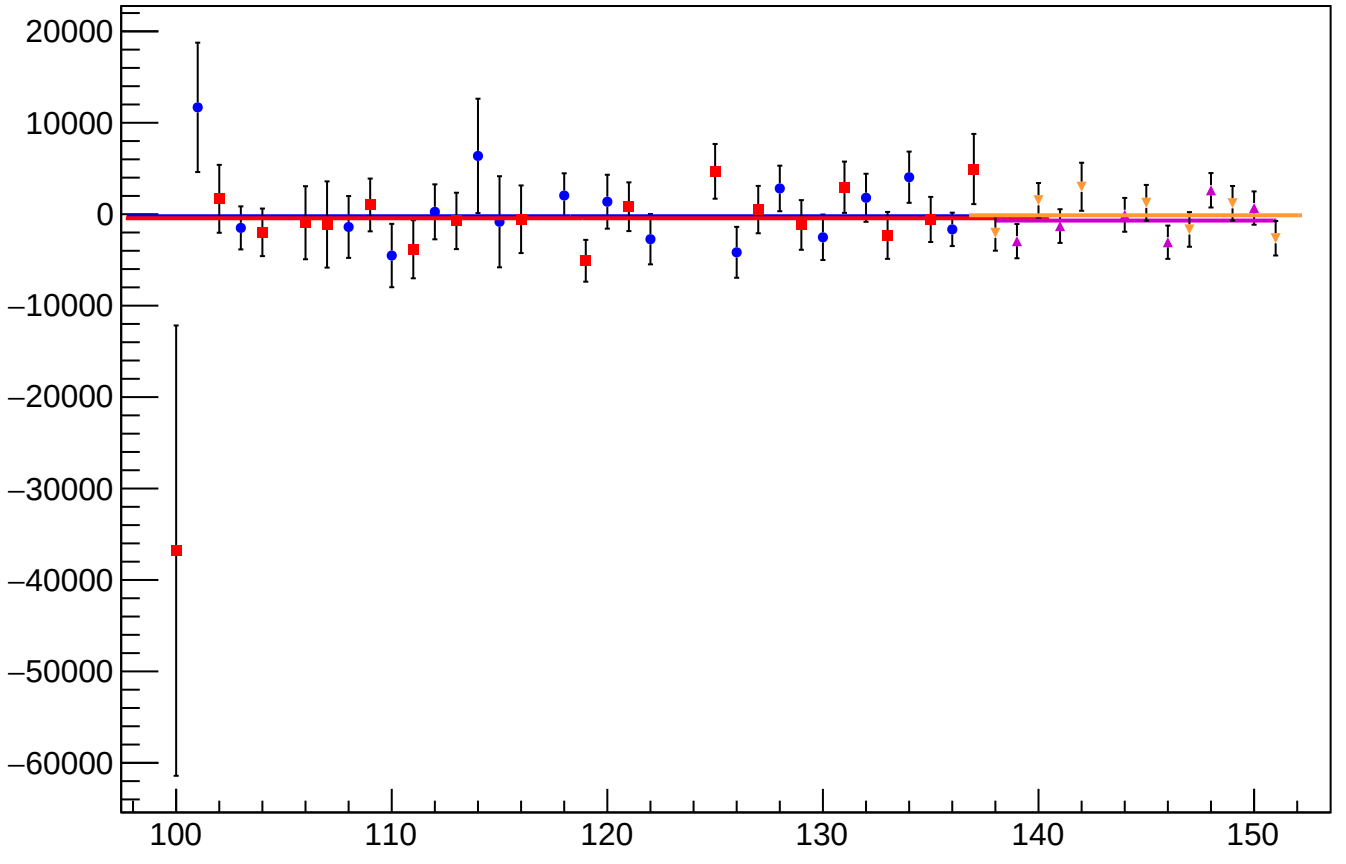
Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 936.682+/-0.292 χ^2/NDF:170454.1/5

+ sign 1096.125+/-0.231 χ^2/NDF: 2341595.1/22

All: 1109.016+/-0.166 χ^2/NDF: 4763289.2/46

- sign 1122.795+/-0.238 χ^2/NDF: 2415224.1/23



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: -118.254+/-747.416 χ^2/NDF:6.5/6

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

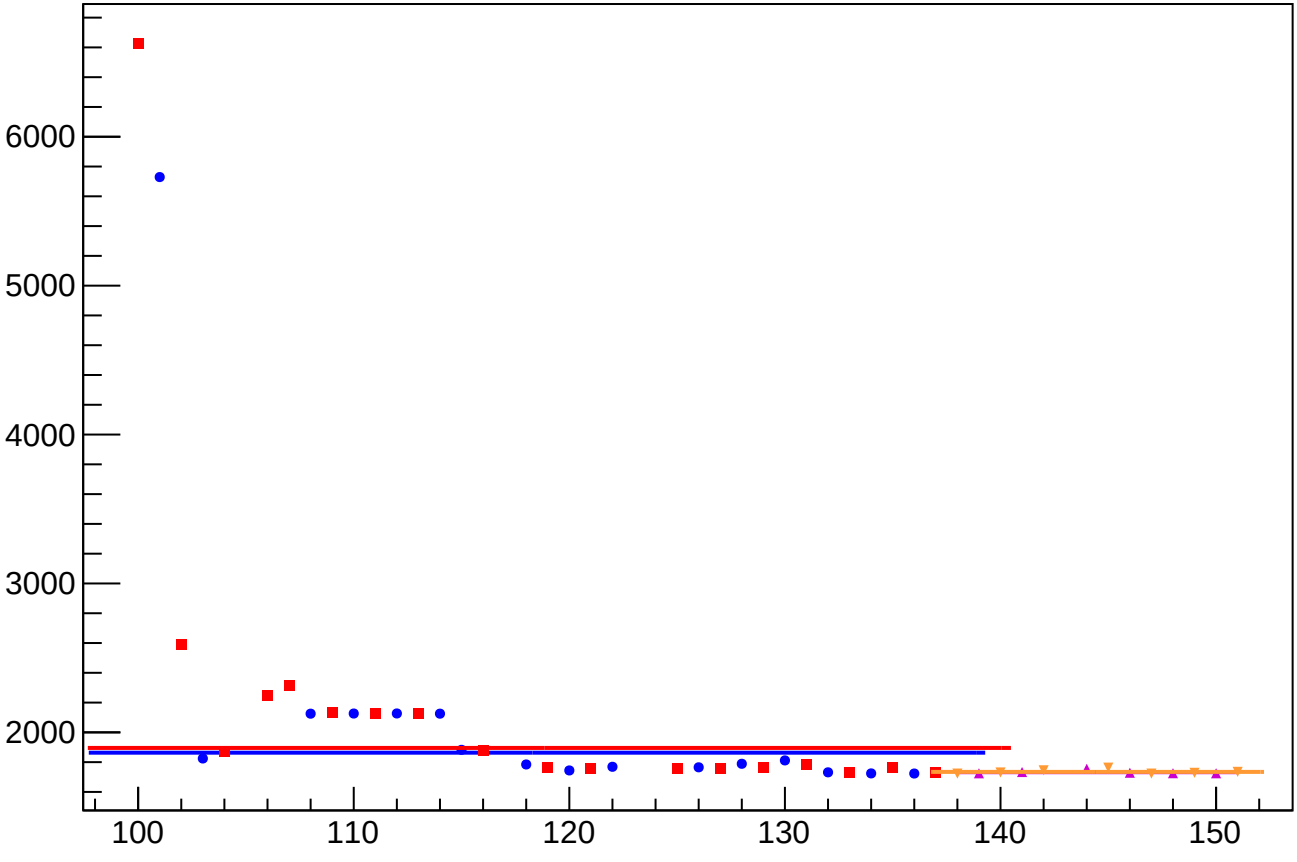
Left In: -694.592+/-754.476 χ^2/NDF:7.0/5

+ sign -173.774+/-514.441 χ^2/NDF: 22.4/22

All: -366.317+/-365.103 χ^2/NDF: 45.5/46

- sign -561.720+/-518.247 χ^2/NDF: 22.8/23

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: 1734.544+/-0.529 χ^2/NDF:627.2/6

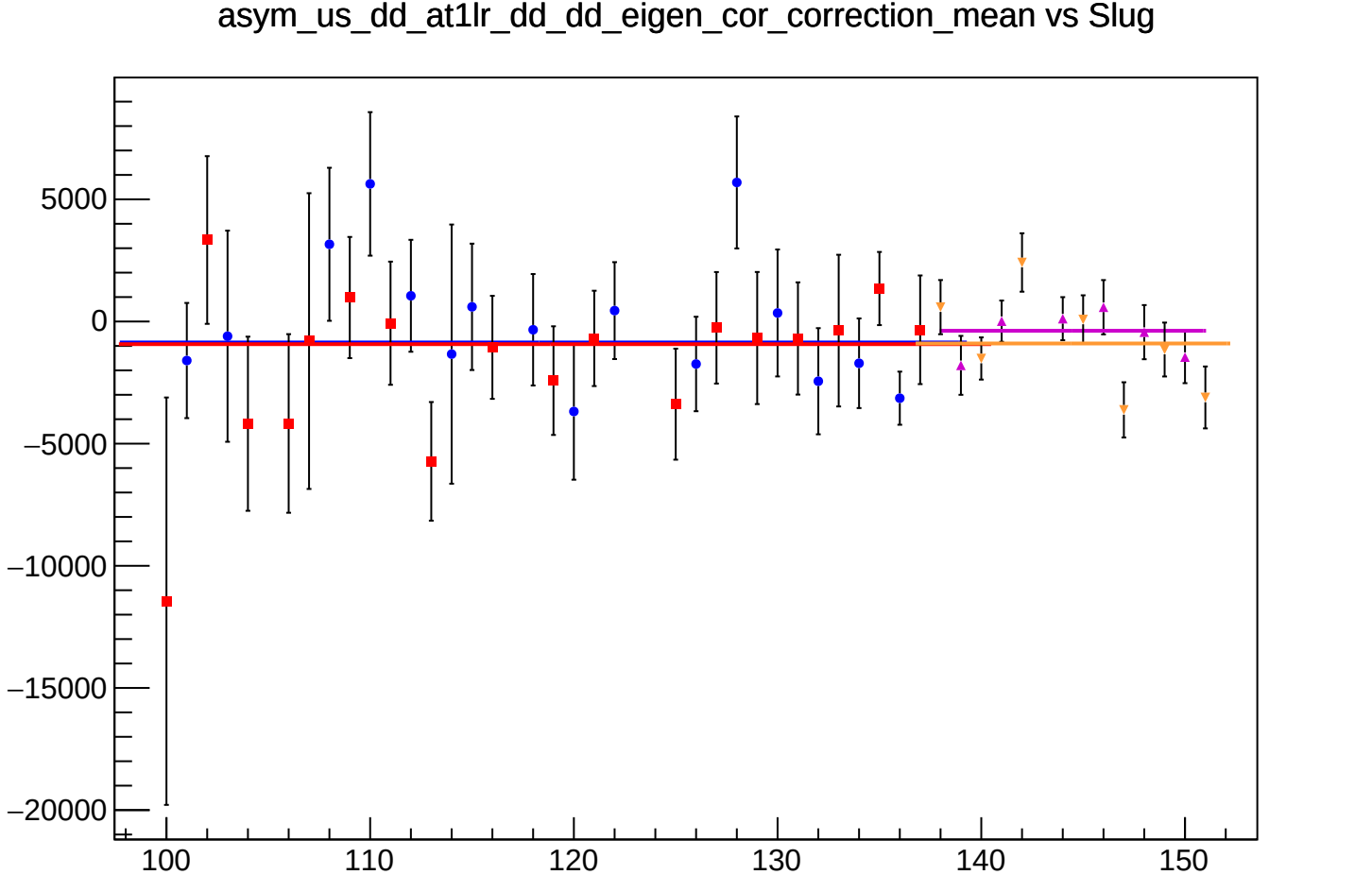
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1732.464+/-0.533 χ^2/NDF:416.0/5

+ sign 1802.450+/-0.364 χ^2/NDF: 706663.7/22

All: 1810.451+/-0.258 χ^2/NDF: 1016547.7/46

- sign 1818.571+/-0.366 χ^2/NDF: 308909.3/23



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -899.617+/-404.855 χ^2/NDF:19.8/6

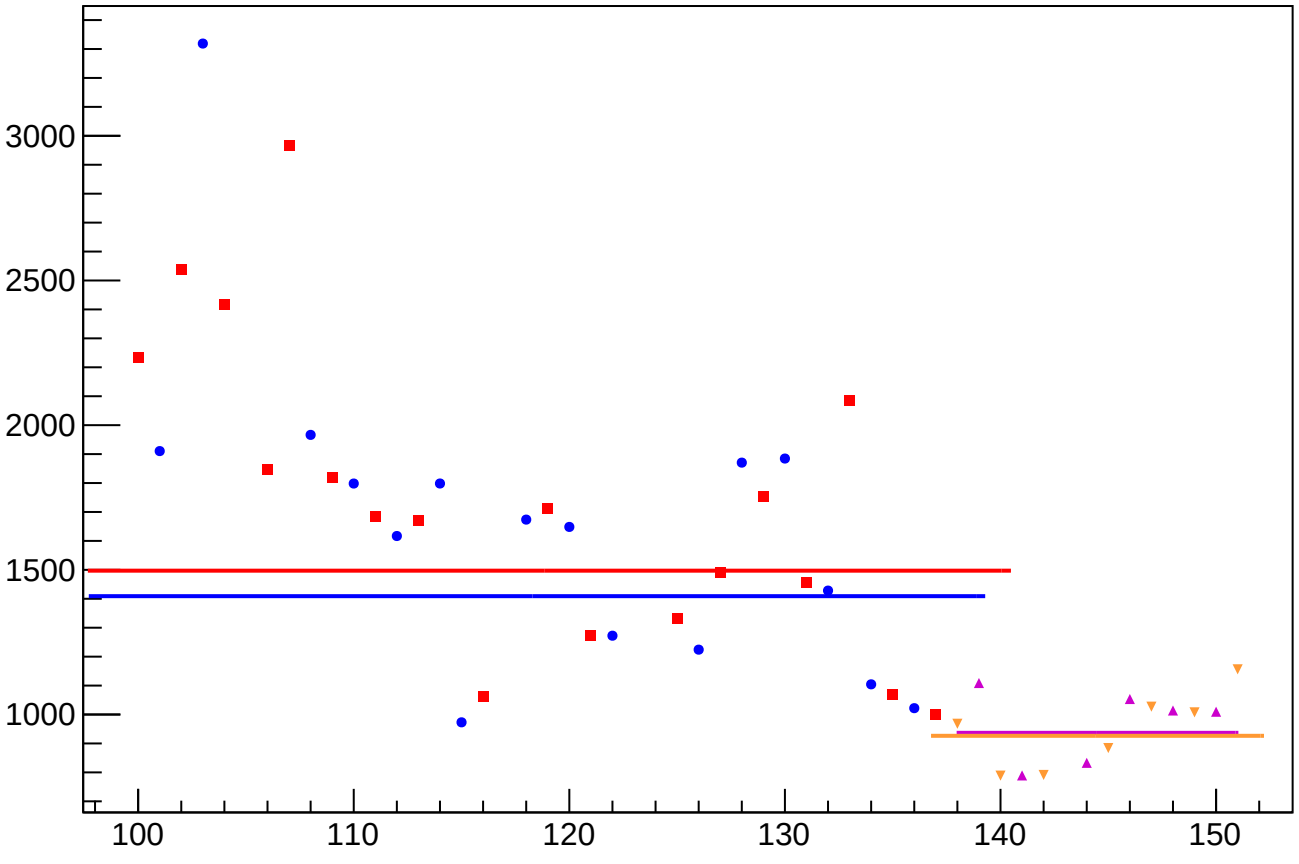
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -379.010+/-412.400 χ^2/NDF:3.7/5

+ sign -885.023+/-325.994 χ^2/NDF: 40.5/22

All: -728.430+/-234.321 χ^2/NDF: 58.7/46

- sign -561.043+/-337.042 χ^2/NDF: 17.8/23



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 926.431+/-0.286 χ^2/NDF:175278.6/6

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

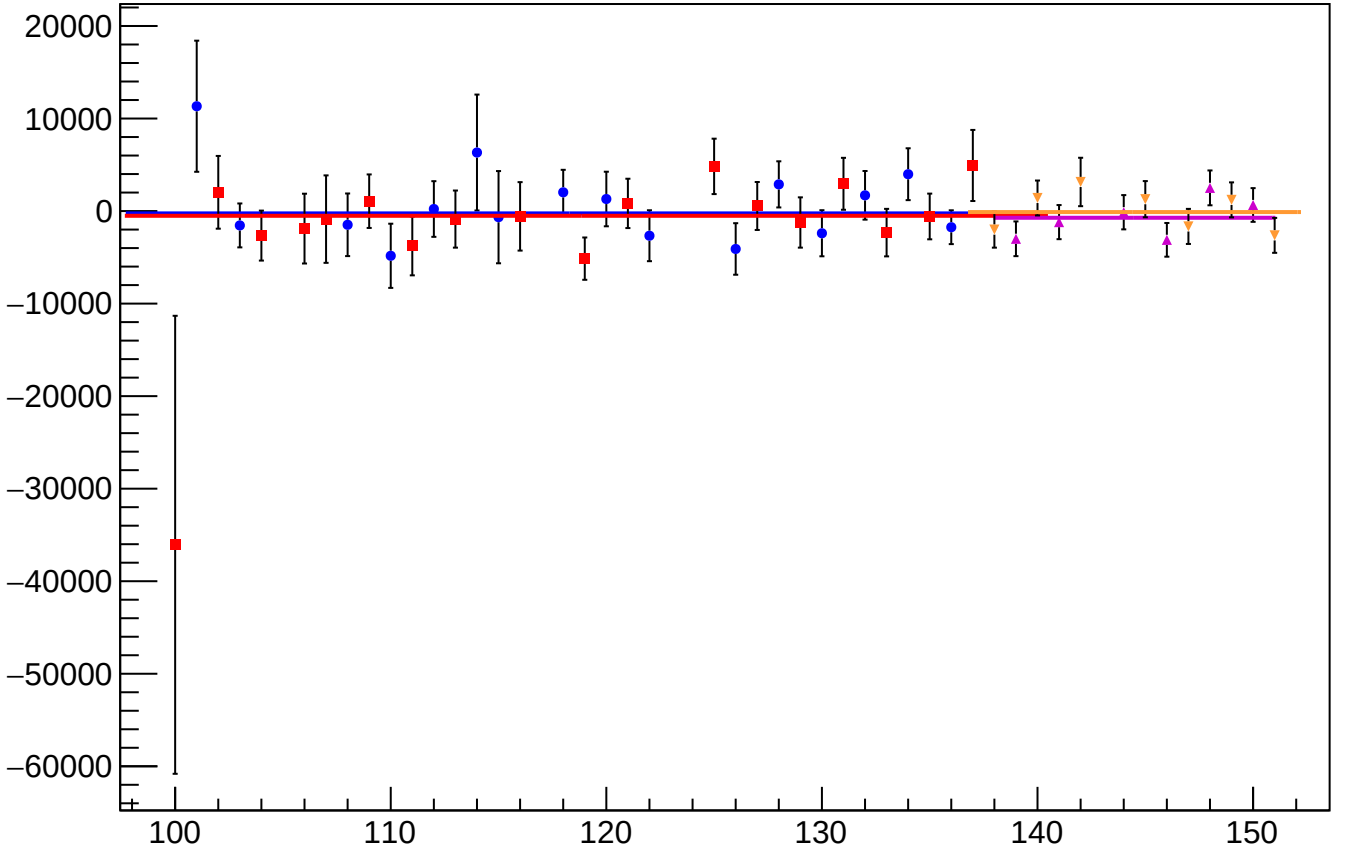
Left In: 936.682+/-0.292 χ^2/NDF:170454.1/5

+ sign 1096.125+/-0.231 χ^2/NDF: 2341595.1/22

All: 1109.016+/-0.166 χ^2/NDF: 4763289.2/46

- sign 1122.795+/-0.238 χ^2/NDF: 2415224.1/23

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: -107.989+/-747.563 χ^2/NDF:6.6/6

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

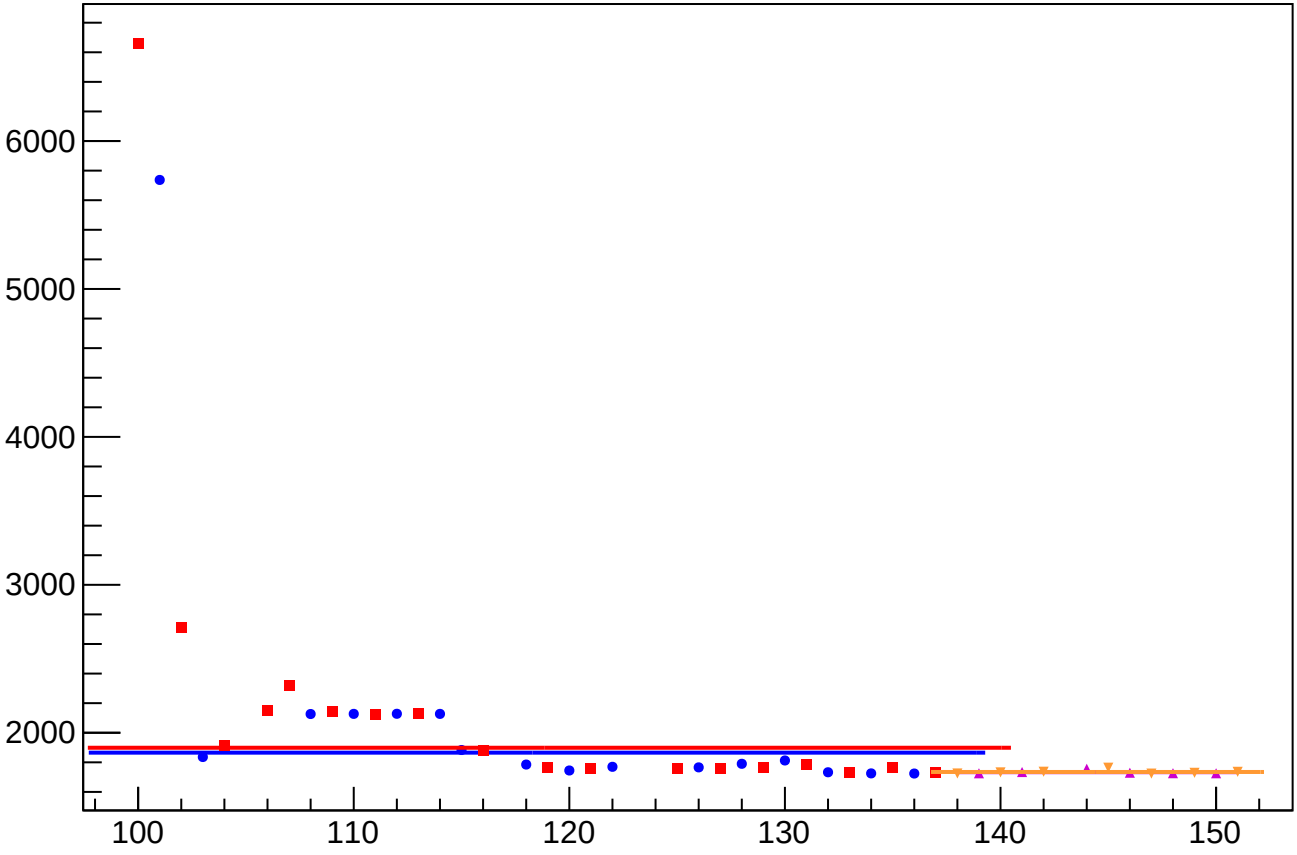
Left In: -724.365+/-754.842 χ^2/NDF:6.9/5

+ sign -183.719+/-514.803 χ^2/NDF: 22.2/22

All: -395.766+/-365.588 χ^2/NDF: 45.9/46

- sign -611.504+/-519.264 χ^2/NDF: 23.3/23

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1734.796+/-0.529 χ^2/NDF:581.8/6

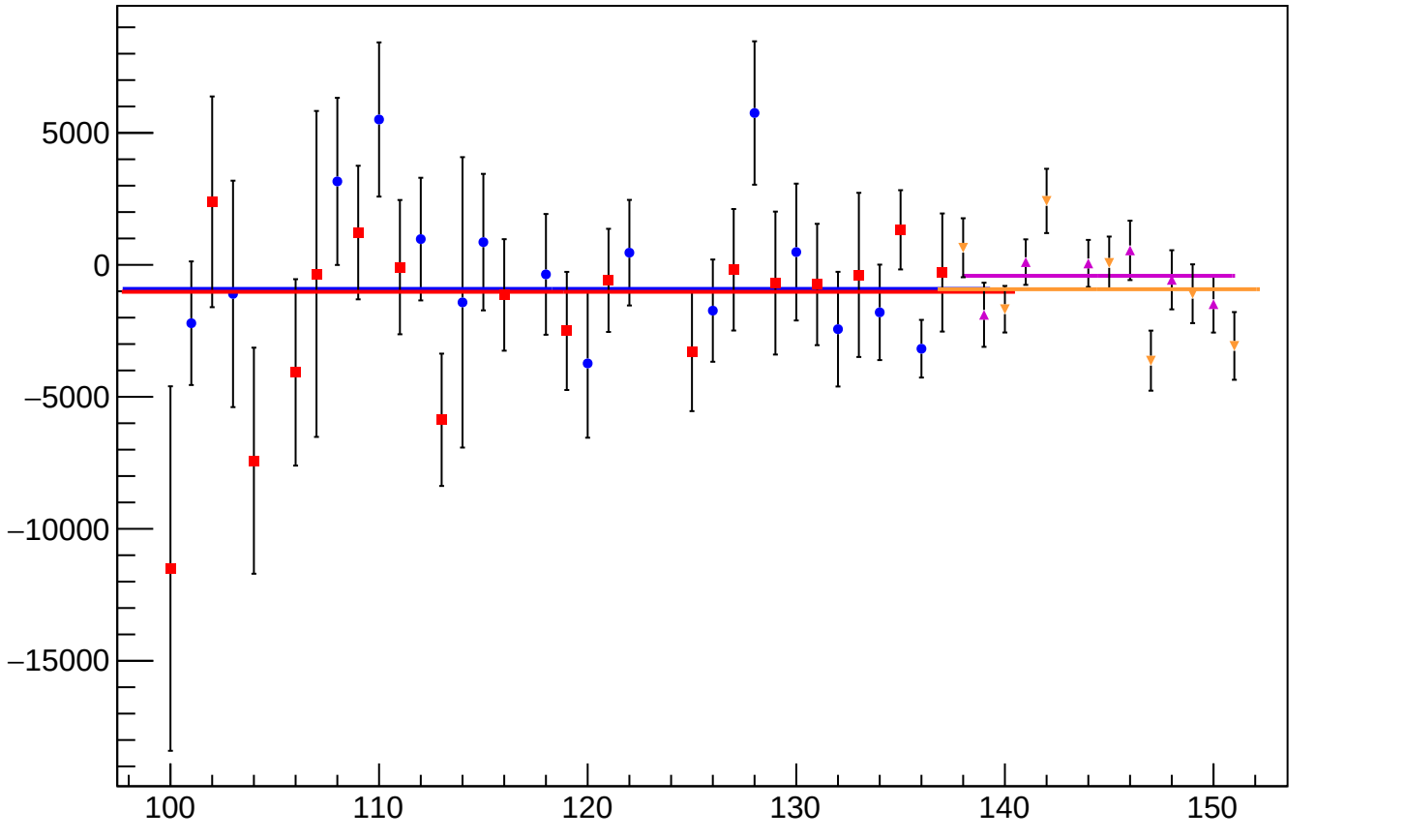
Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1733.305+/-0.534 χ^2/NDF:416.0/5

+ sign 1803.485+/-0.364 χ^2/NDF: 707686.5/22

All: 1811.860+/-0.259 χ^2/NDF: 1028802.4/46

- sign 1820.381+/-0.367 χ^2/NDF: 320048.1/23



Right In: -910.955+/-550.836 χ^2/NDF: 21.0/15

Left Out: -922.943+/-410.027 χ^2/NDF:19.7/6

Right Out: -1020.124+/-591.600 χ^2/NDF: 14.9/17

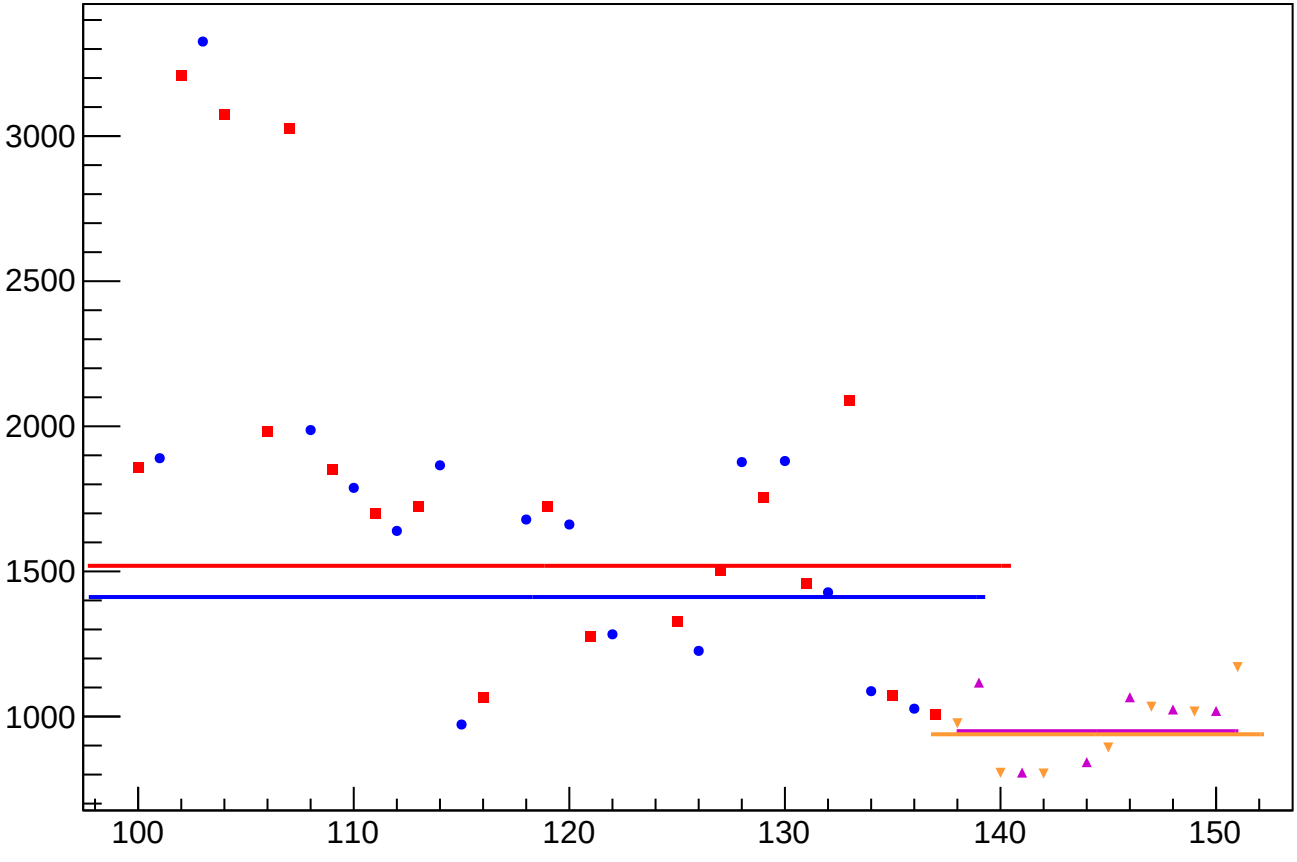
Left In: -414.209+/-417.695 χ^2/NDF:3.9/5

\+ sign -918.669+/-328.908 χ^2/NDF: 40.7/22

All: -772.784+/-236.805 χ^2/NDF: 60.6/46

\- sign -615.775+/-341.218 χ^2/NDF: 19.5/23

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs Slug



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 938.847+/-0.290 χ^2/NDF:165473.5/6

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

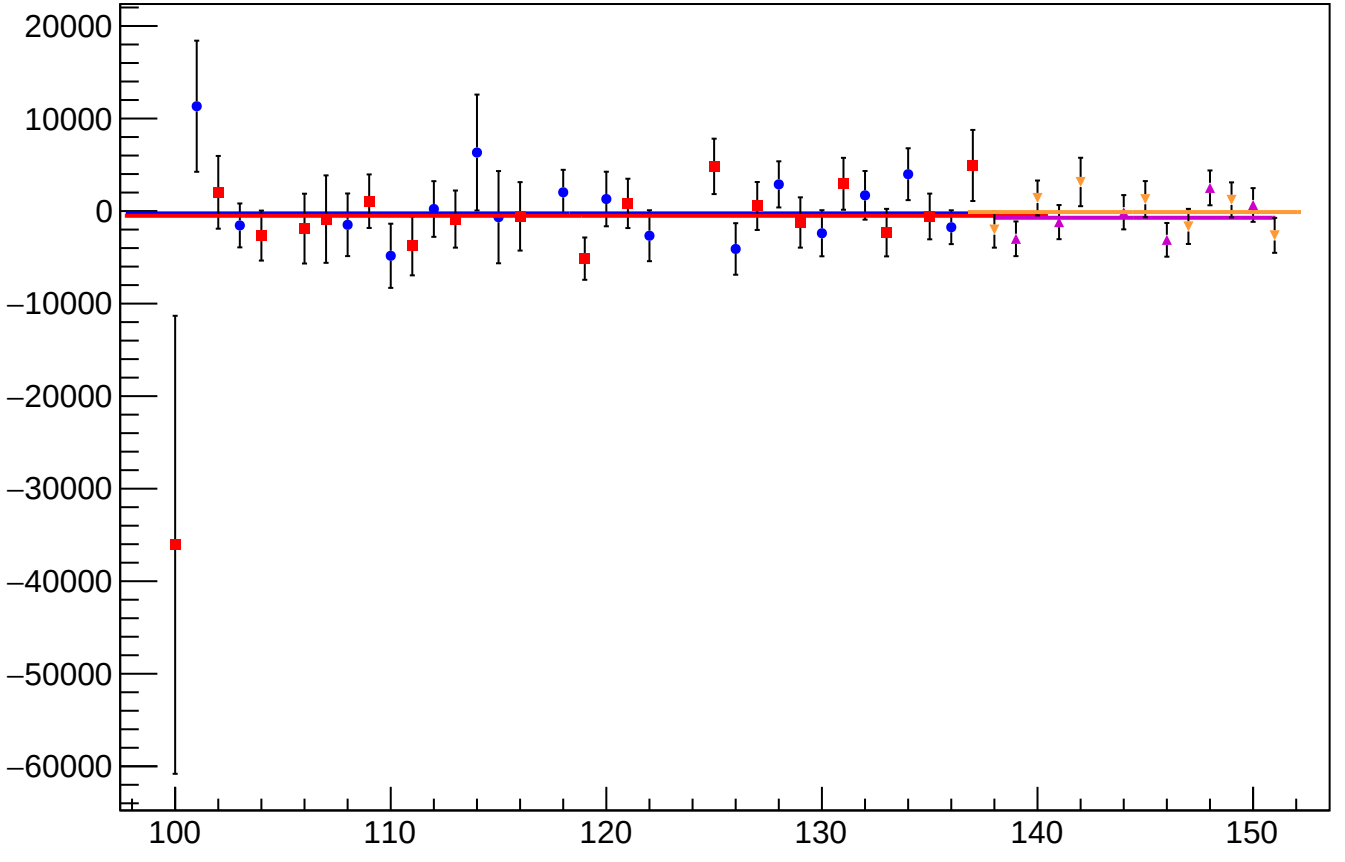
Left In: 949.460+/-0.295 χ^2/NDF:160334.5/5

+ sign 1107.454+/-0.233 χ^2/NDF: 2291746.0/22

All: 1122.661+/-0.167 χ^2/NDF: 5059418.4/46

- sign 1139.027+/-0.241 χ^2/NDF: 2758795.7/23

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: -107.991+/-747.563 χ^2/NDF:6.6/6

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

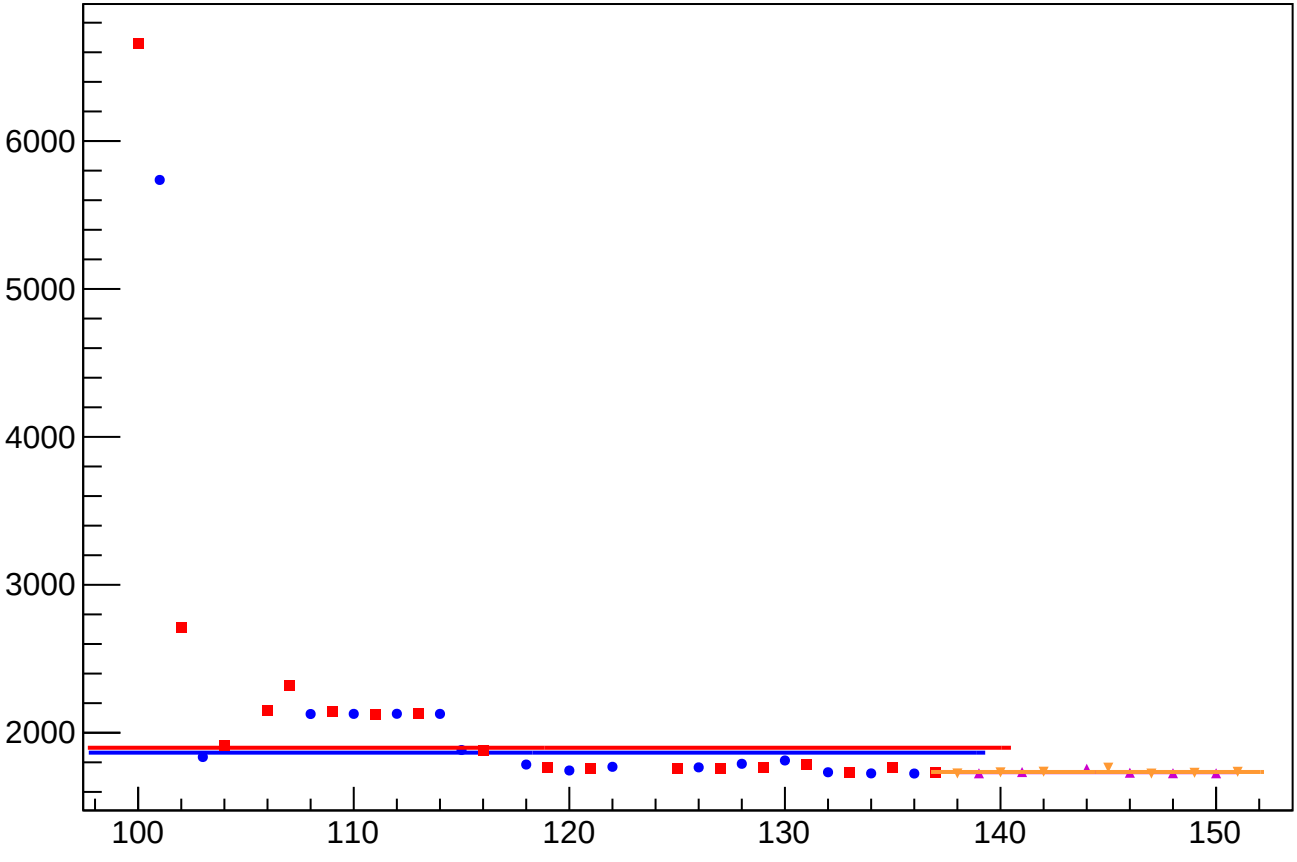
Left In: -724.366+/-754.842 χ^2/NDF:6.9/5

+ sign -183.719+/-514.803 χ^2/NDF: 22.2/22

All: -395.766+/-365.588 χ^2/NDF: 45.9/46

- sign -611.504+/-519.264 χ^2/NDF: 23.3/23

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: 1734.796+/-0.529 χ^2/NDF:581.8/6

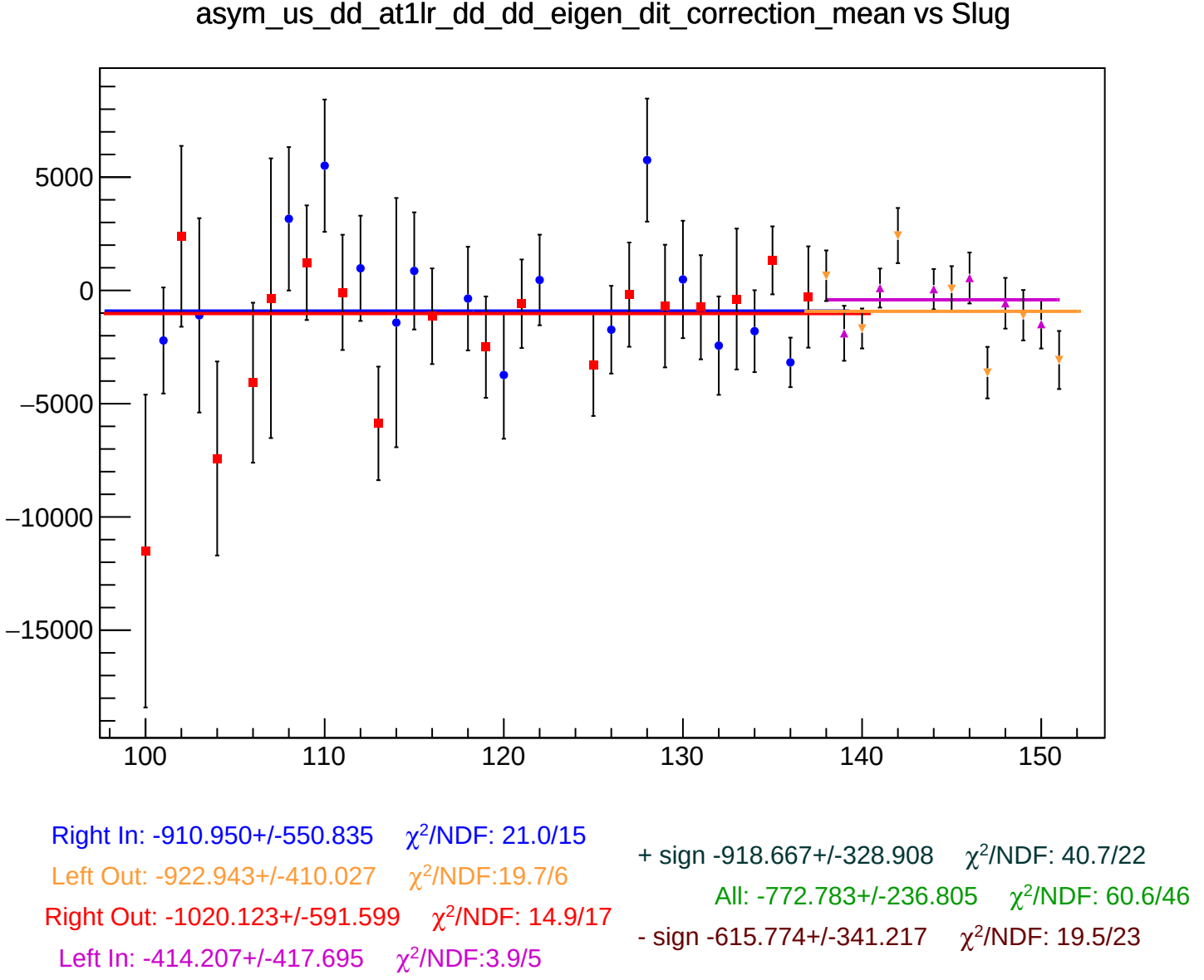
Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

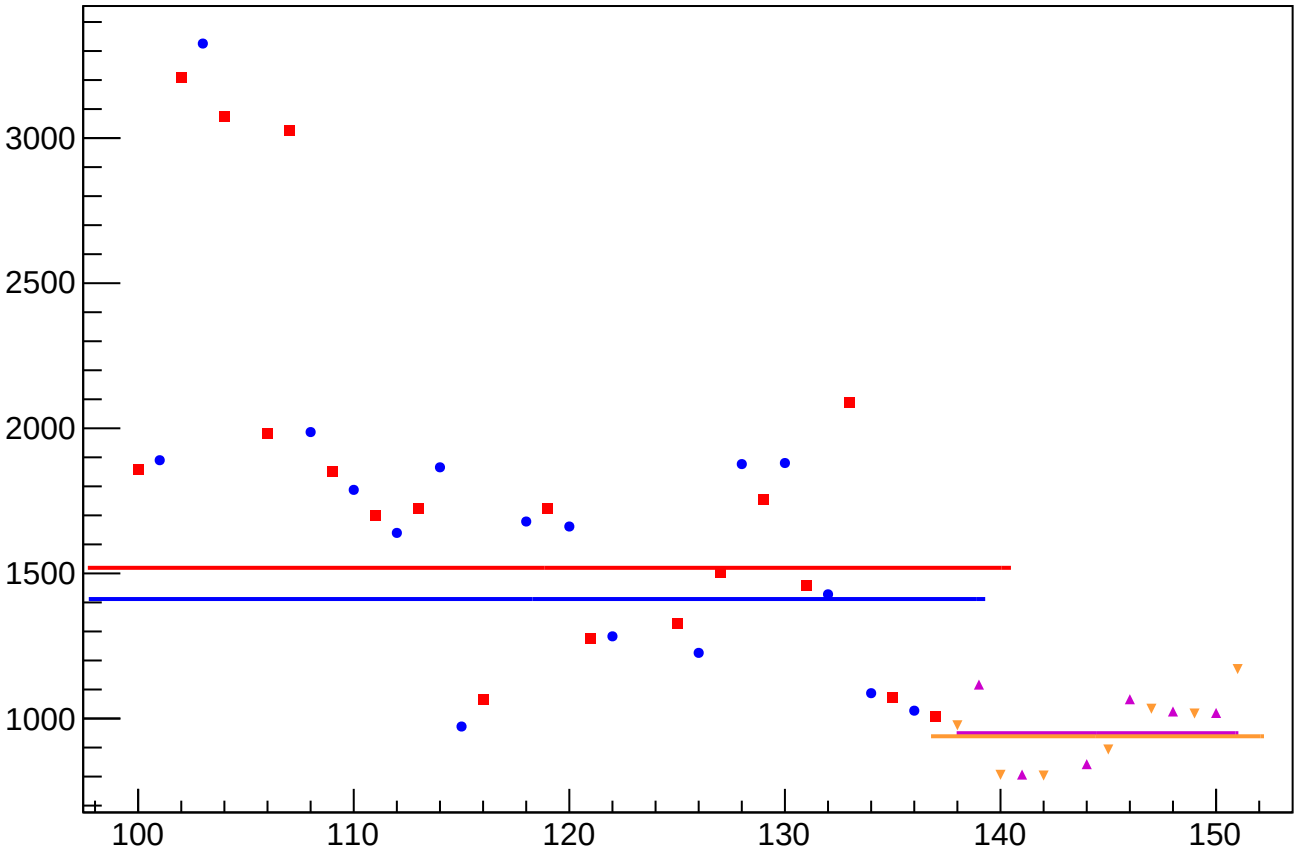
Left In: 1733.305+/-0.534 χ^2/NDF:416.0/5

+ sign 1803.485+/-0.364 χ^2/NDF: 707686.5/22

All: 1811.860+/-0.259 χ^2/NDF: 1028802.1/46

- sign 1820.380+/-0.367 χ^2/NDF: 320047.8/23


asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: -910.950+/-550.835 χ²/NDF: 21.0/15
Left Out: -922.943+/-410.027 χ²/NDF:19.7/6
Right Out: -1020.123+/-591.599 χ²/NDF: 14.9/17
Left In: -414.207+/-417.695 χ²/NDF:3.9/5
+ sign -918.667+/-328.908 χ²/NDF: 40.7/22
All: -772.783+/-236.805 χ²/NDF: 60.6/46
- sign -615.774+/-341.217 χ²/NDF: 19.5/23



Right In: 1411.745+/-0.389 χ^2/NDF: 1177746.1/15

Left Out: 938.846+/-0.290 χ^2/NDF:165478.5/6

Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

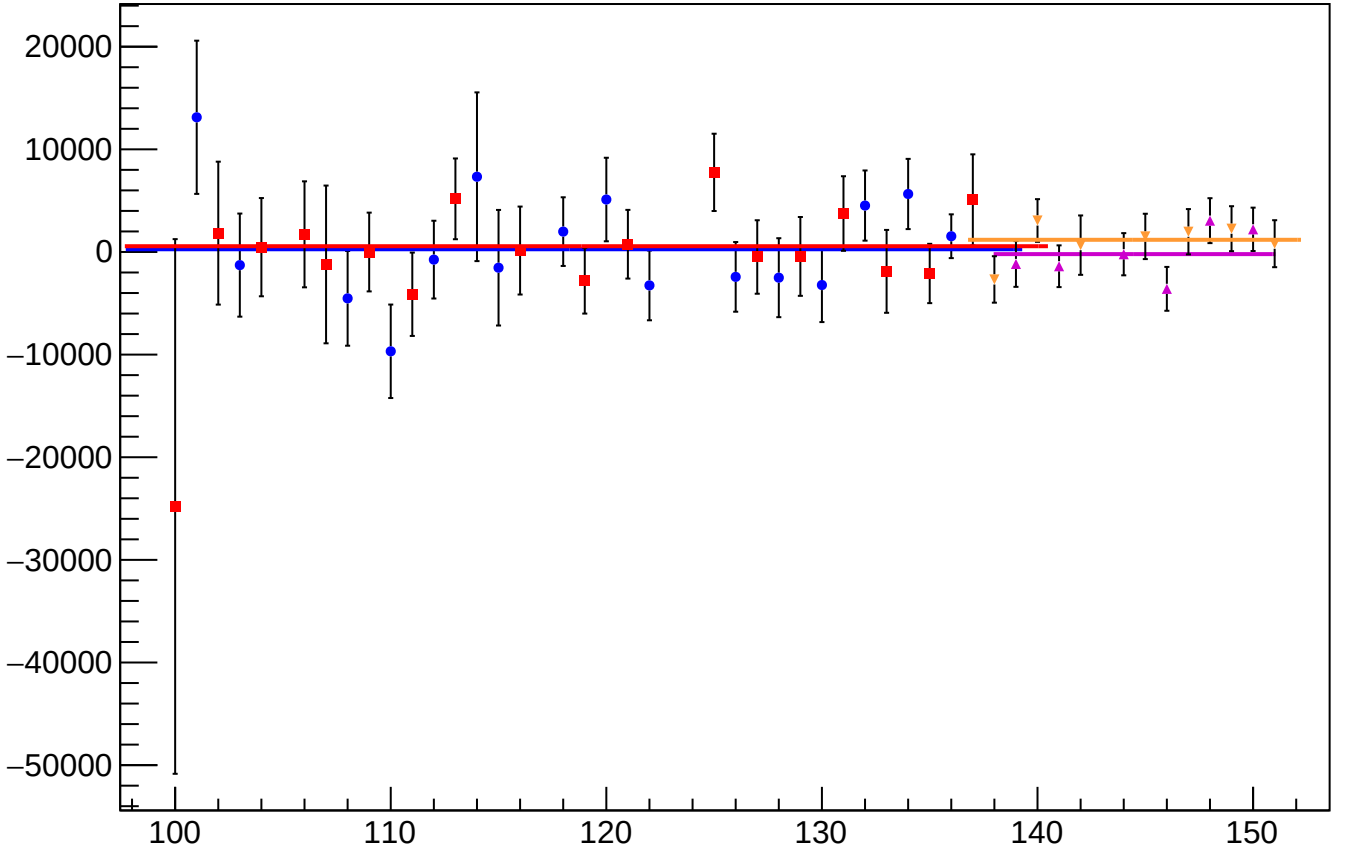
Left In: 949.459+/-0.295 χ^2/NDF:160339.1/5

+ sign 1107.452+/-0.233 χ^2/NDF: 2291747.1/22

All: 1122.659+/-0.167 χ^2/NDF: 5059422.7/46

- sign 1139.026+/-0.241 χ^2/NDF: 2758798.3/23

asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 1185.967+/-858.895 χ^2/NDF:4.2/6

Right Out: 560.962+/-962.943 χ^2/NDF: 11.7/17

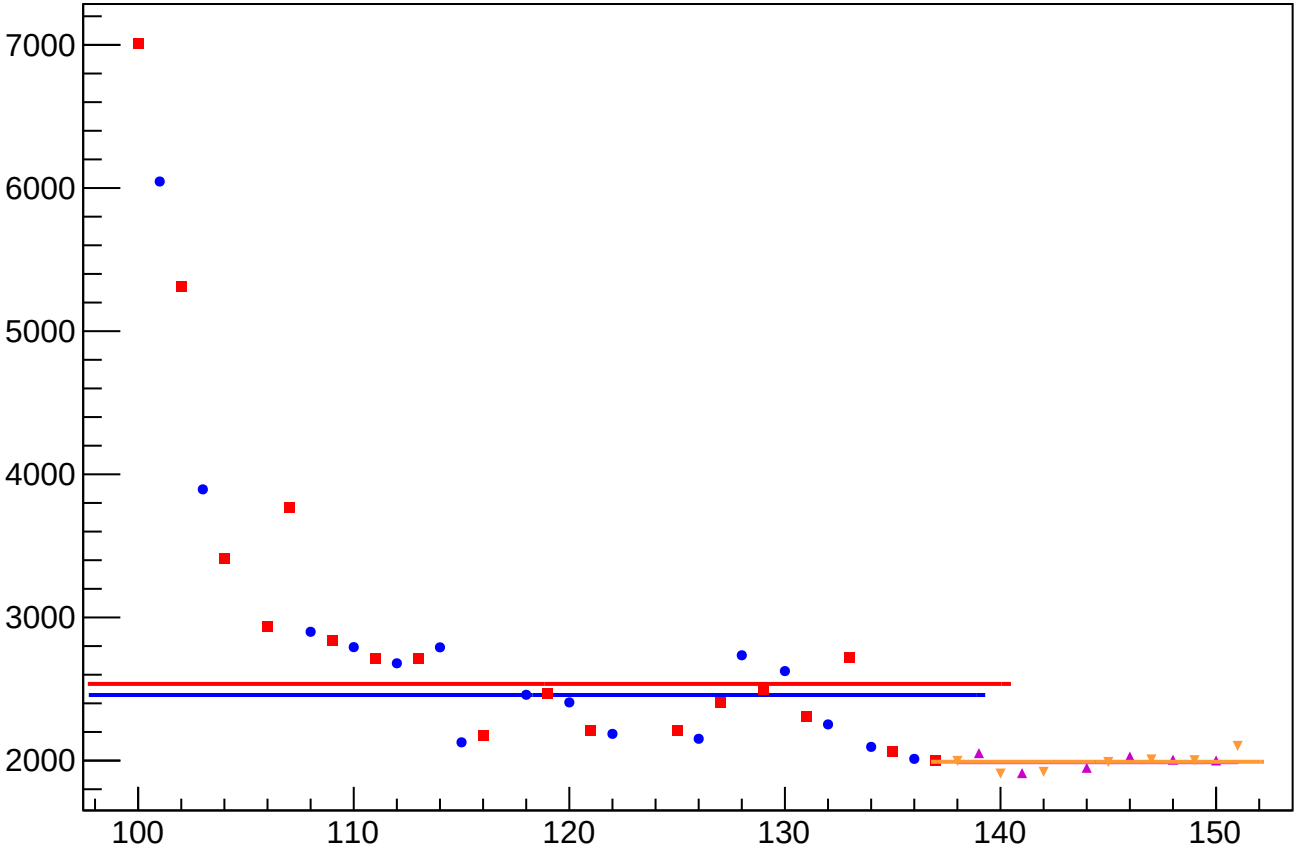
Left In: -209.055+/-866.612 χ^2/NDF:6.6/5

+ sign 767.603+/-634.675 χ^2/NDF: 23.7/22

All: 456.250+/-452.099 χ^2/NDF: 42.9/46

- sign 135.522+/-644.160 χ^2/NDF: 18.7/23

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2458.332+/-0.666 χ^2/NDF: 832888.7/15

Left Out: 1991.839+/-0.607 χ^2/NDF:9174.5/6

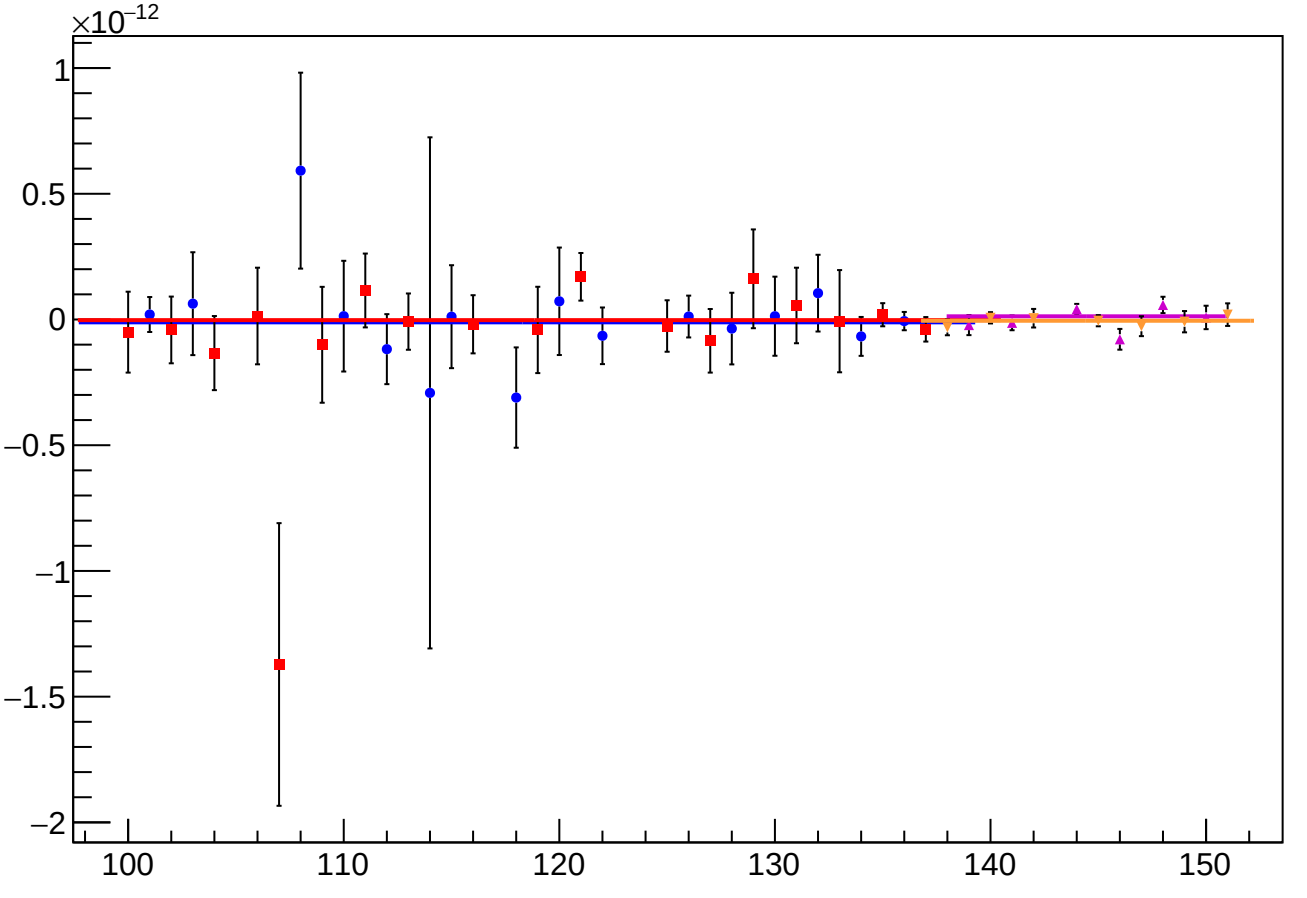
Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1989.164+/-0.613 χ^2/NDF:6043.7/5

+ sign 2203.609+/-0.449 χ^2/NDF: 1109893.4/22

All: 2218.467+/-0.320 χ^2/NDF: 2147570.3/46

- sign 2233.773+/-0.455 χ^2/NDF: 1035451.6/23



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.7/6

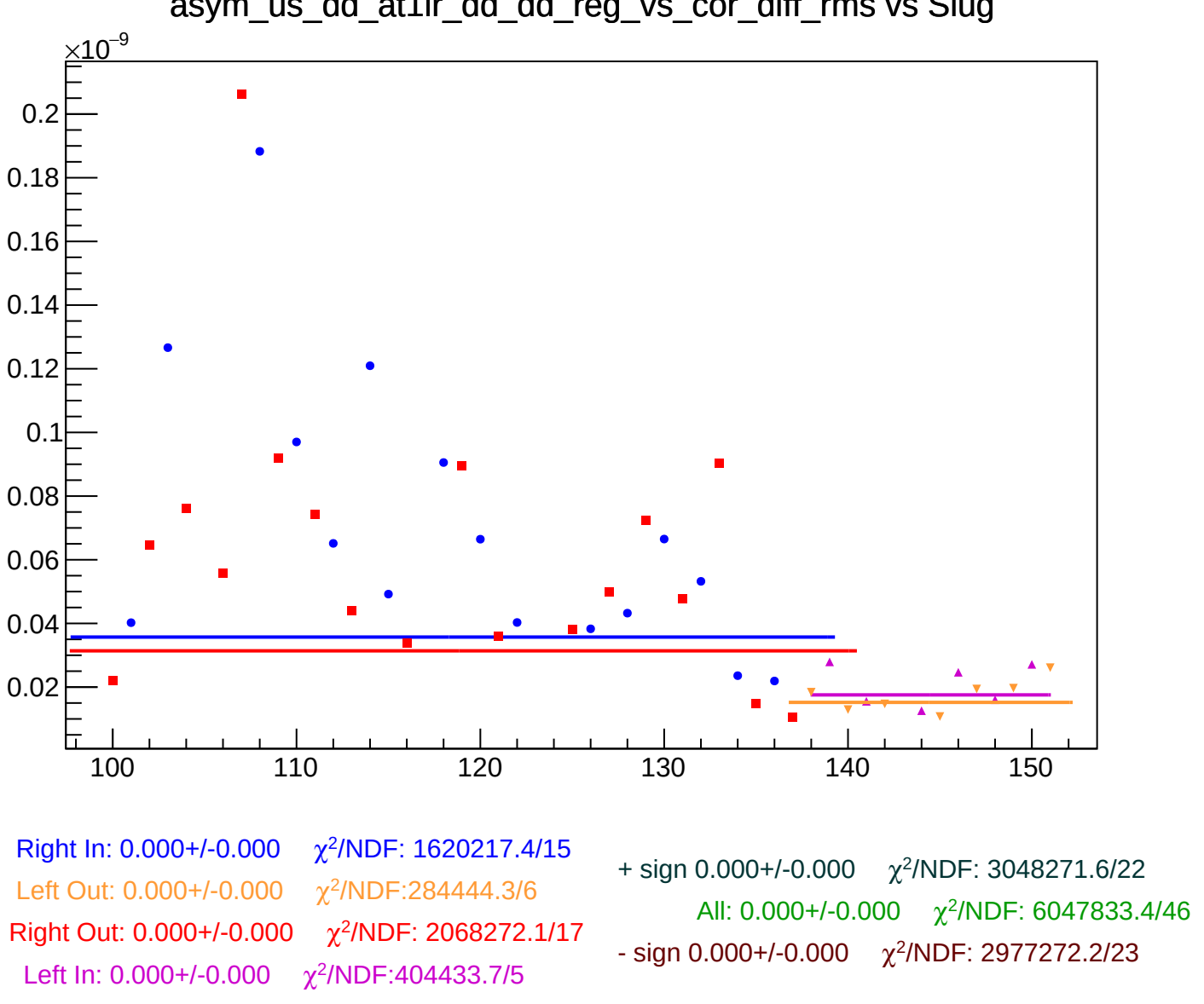
Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: 0.000+/-0.000 χ^2/NDF:10.2/5

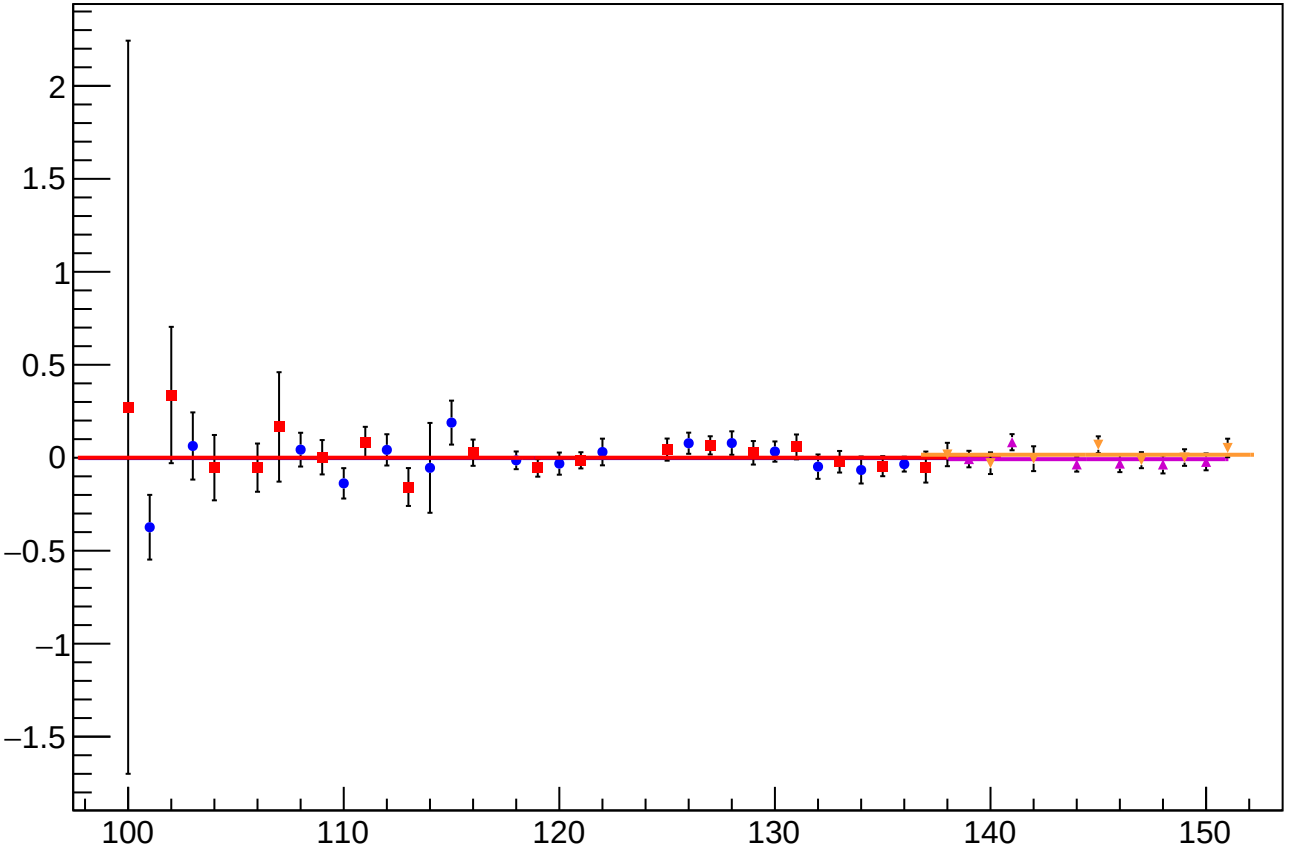
+ sign -0.000+/-0.000 χ^2/NDF: 9.0/22

All: 0.000+/-0.000 χ^2/NDF: 33.8/46

- sign 0.000+/-0.000 χ^2/NDF: 23.7/23


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
Right In: 0.000+/-0.000 χ²/NDF: 1620217.4/15
Left Out: 0.000+/-0.000 χ²/NDF:284444.3/6
Right Out: 0.000+/-0.000 χ²/NDF: 2068272.1/17
Left In: 0.000+/-0.000 χ²/NDF:404433.7/5
+ sign 0.000+/-0.000 χ²/NDF: 3048271.6/22
All: 0.000+/-0.000 χ²/NDF: 6047833.4/46
- sign 0.000+/-0.000 χ²/NDF: 2977272.2/23

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: 0.016+/-0.019 χ^2/NDF:3.2/6

Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

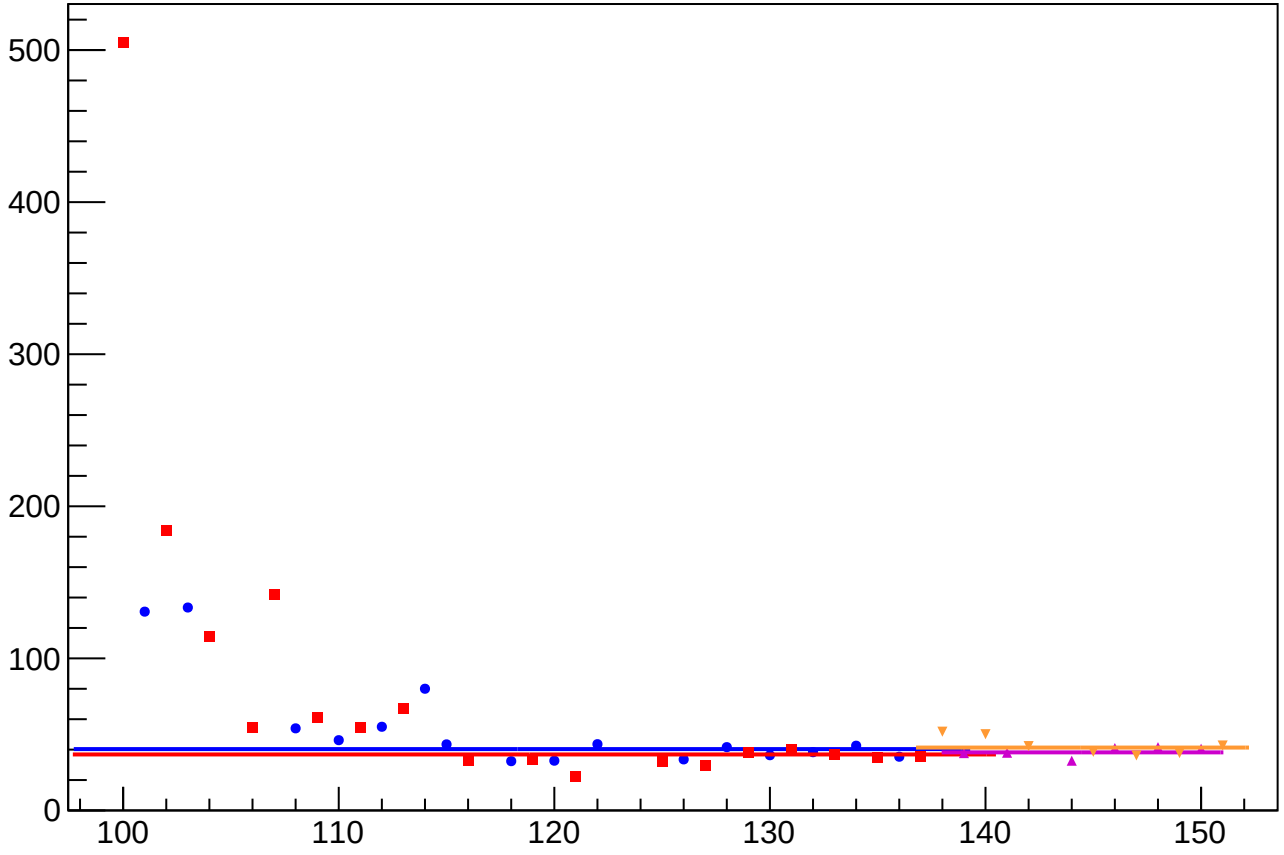
Left In: -0.008+/-0.018 χ^2/NDF:5.7/5

+ sign 0.006+/-0.013 χ^2/NDF: 20.8/22

All: 0.001+/-0.009 χ^2/NDF: 37.8/46

- sign -0.003+/-0.012 χ^2/NDF: 16.7/23

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 41.353+/-0.014 χ^2/NDF:152196.1/6

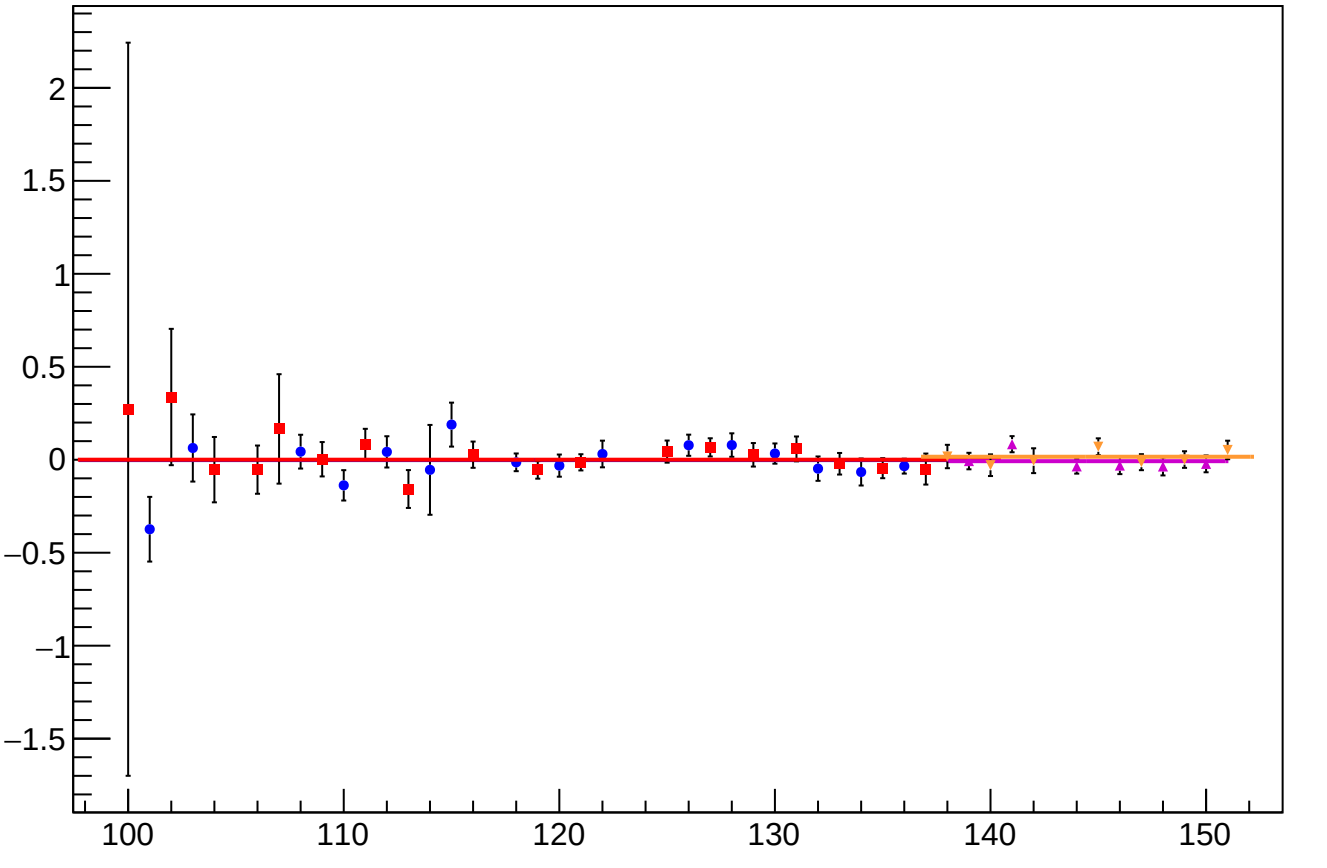
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 38.194+/-0.013 χ^2/NDF:62846.9/5

+ sign 40.793+/-0.009 χ^2/NDF: 1565366.0/22

All: 39.053+/-0.006 χ^2/NDF: 3542787.9/46

- sign 37.457+/-0.009 χ^2/NDF: 1906200.7/23



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.016+/-0.019 χ^2/NDF:3.2/6

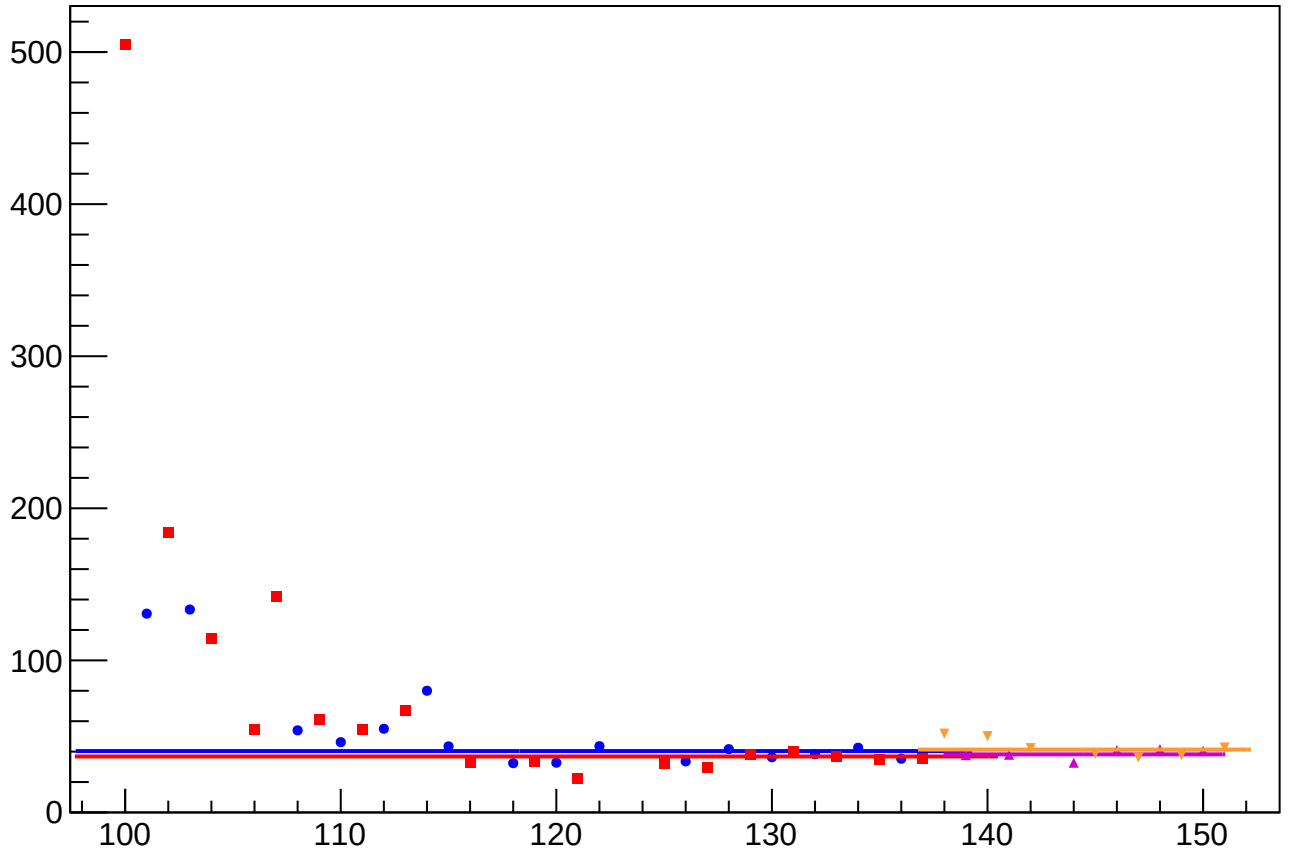
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.008+/-0.018 χ^2/NDF:5.7/5

+ sign 0.006+/-0.013 χ^2/NDF: 20.8/22

All: 0.001+/-0.009 χ^2/NDF: 37.8/46

- sign -0.003+/-0.012 χ^2/NDF: 16.7/23



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 41.353+/-0.014 χ^2/NDF:152196.1/6

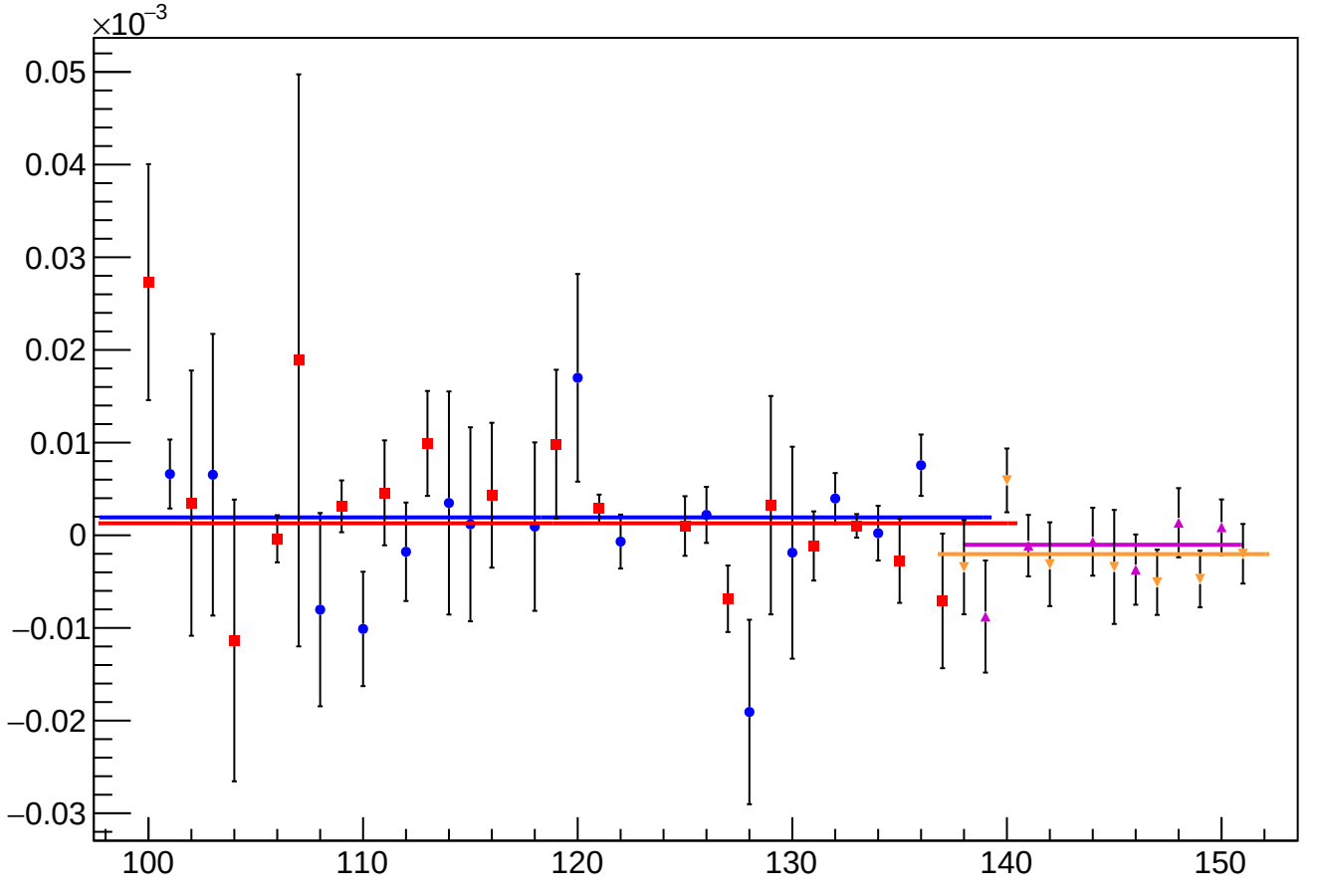
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 38.194+/-0.013 χ^2/NDF:62846.9/5

+ sign 40.793+/-0.009 χ^2/NDF: 1565366.0/22

All: 39.053+/-0.006 χ^2/NDF: 3542787.9/46

- sign 37.457+/-0.009 χ^2/NDF: 1906200.7/23



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.0/6

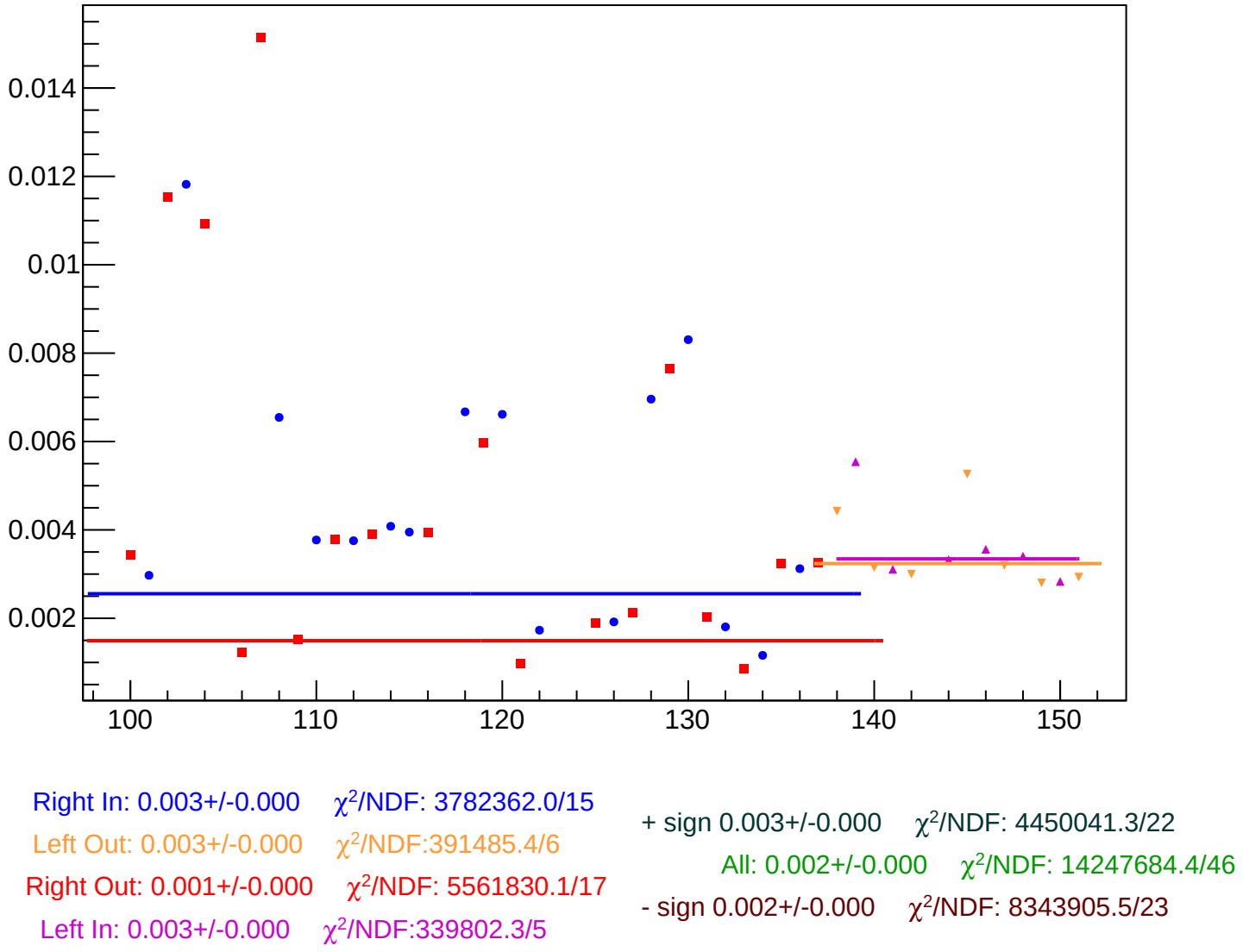
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: -0.000+/-0.000 χ^2/NDF:3.0/5

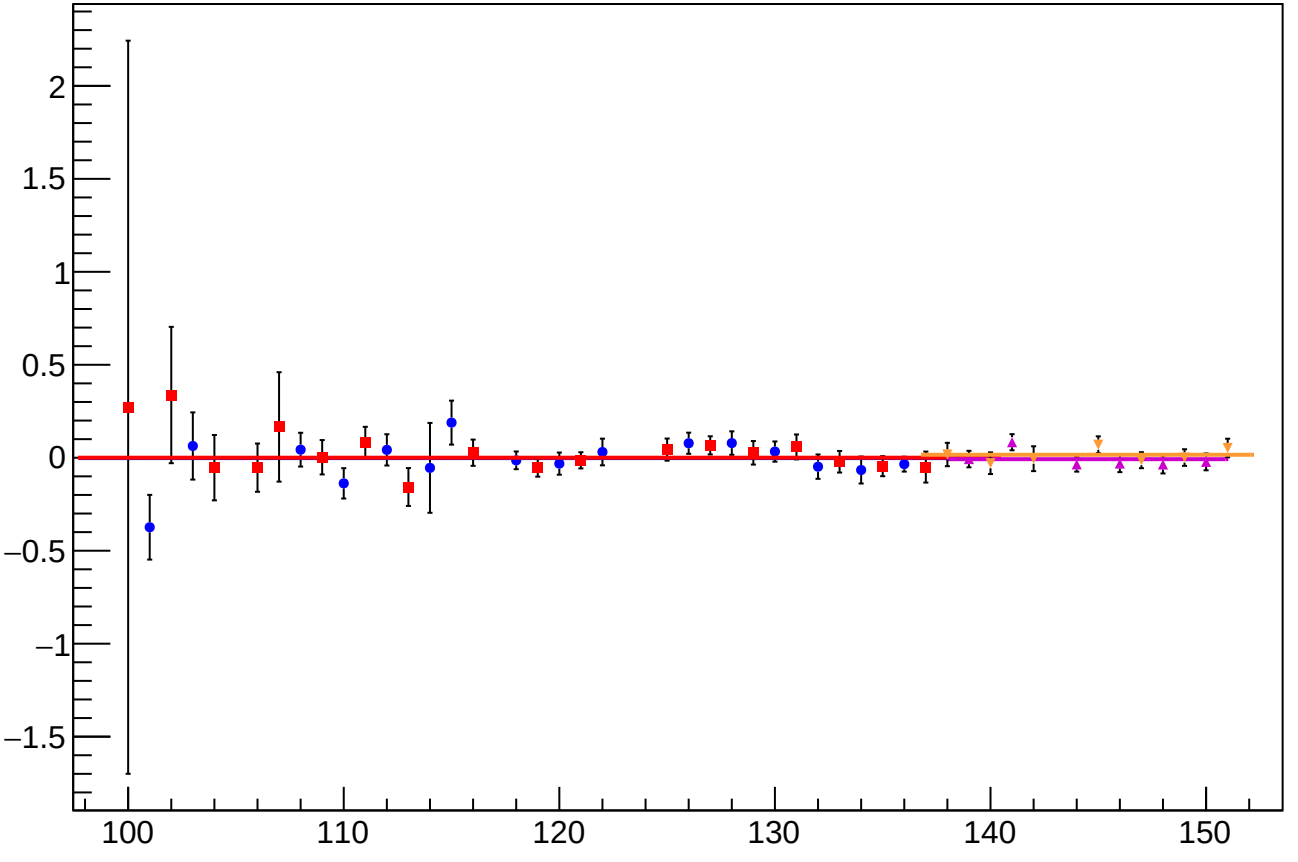
+ sign 0.000+/-0.000 χ^2/NDF: 29.6/22

All: 0.000+/-0.000 χ^2/NDF: 53.4/46

- sign 0.000+/-0.000 χ^2/NDF: 23.7/23


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
Right In: 0.003+/-0.000 χ²/NDF: 3782362.0/15
Left Out: 0.003+/-0.000 χ²/NDF:391485.4/6
Right Out: 0.001+/-0.000 χ²/NDF: 5561830.1/17
Left In: 0.003+/-0.000 χ²/NDF:339802.3/5
+ sign 0.003+/-0.000 χ²/NDF: 4450041.3/22
All: 0.002+/-0.000 χ²/NDF: 14247684.4/46
- sign 0.002+/-0.000 χ²/NDF: 8343905.5/23

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.016+/-0.019 χ^2/NDF:3.2/6

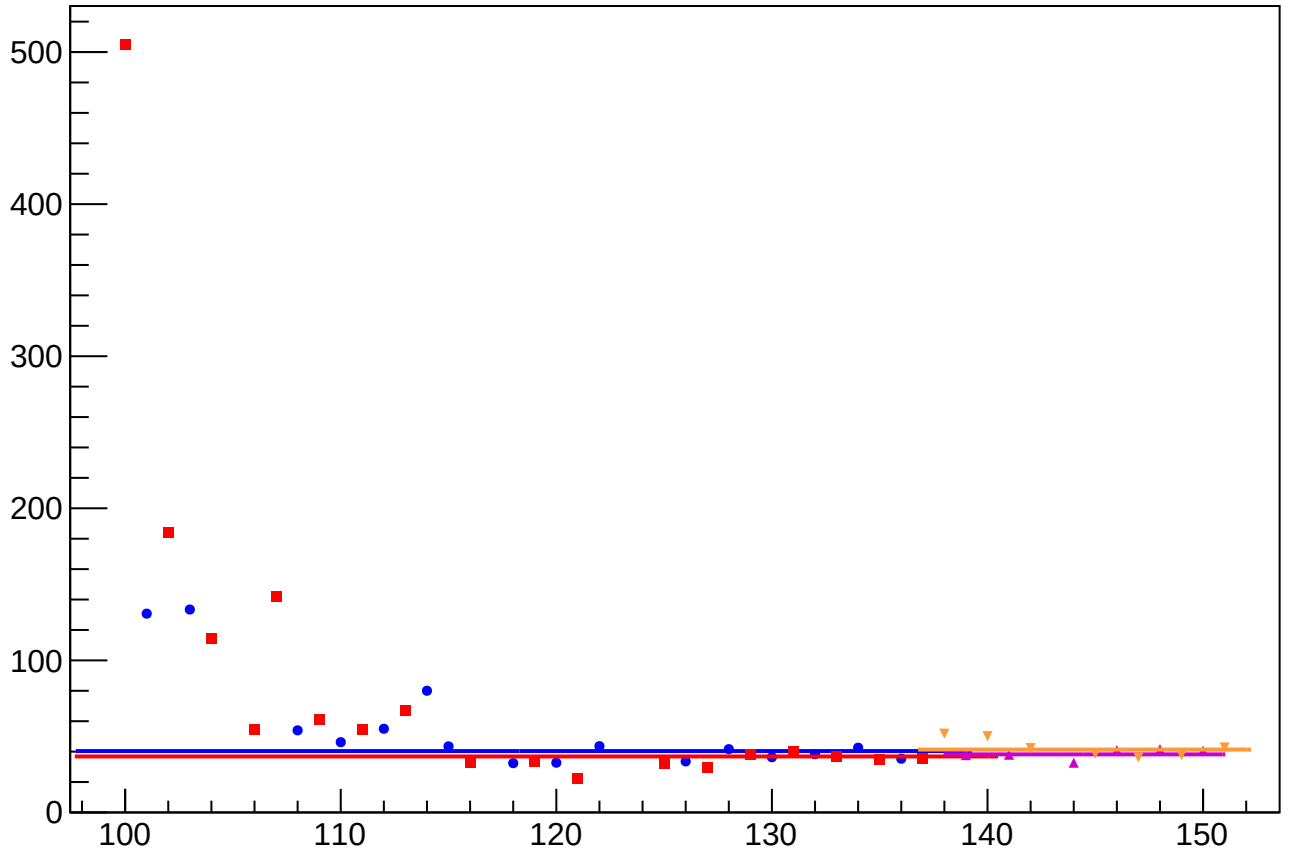
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.008+/-0.018 χ^2/NDF:5.7/5

+ sign 0.006+/-0.013 χ^2/NDF: 20.8/22

All: 0.001+/-0.009 χ^2/NDF: 37.8/46

- sign -0.003+/-0.012 χ^2/NDF: 16.7/23



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 41.353+/-0.014 χ^2/NDF:152211.7/6

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

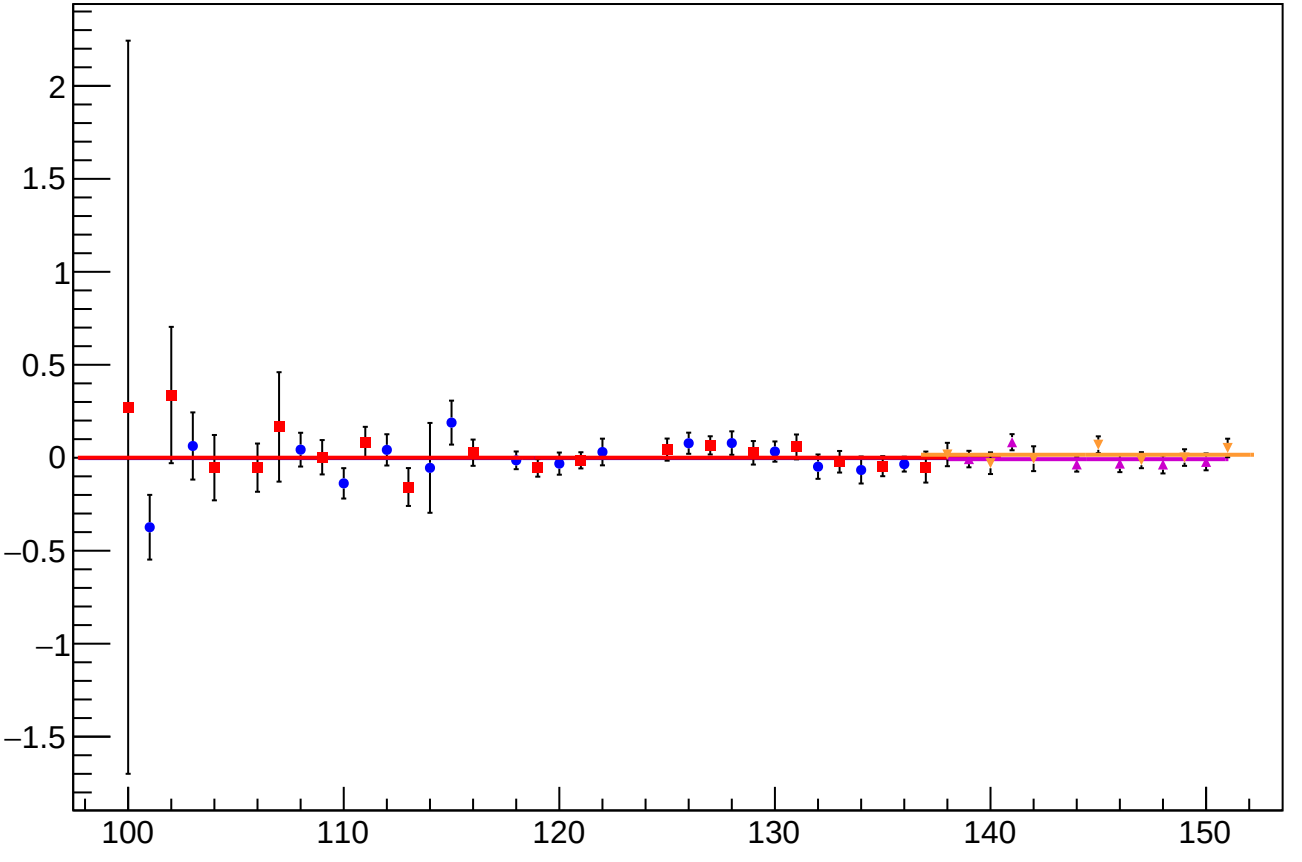
Left In: 38.194+/-0.013 χ^2/NDF:62841.3/5

+ sign 40.794+/-0.009 χ^2/NDF: 1565275.5/22

All: 39.053+/-0.006 χ^2/NDF: 3542722.8/46

- sign 37.456+/-0.009 χ^2/NDF: 1906195.9/23

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.016+/-0.019 χ^2/NDF:3.2/6

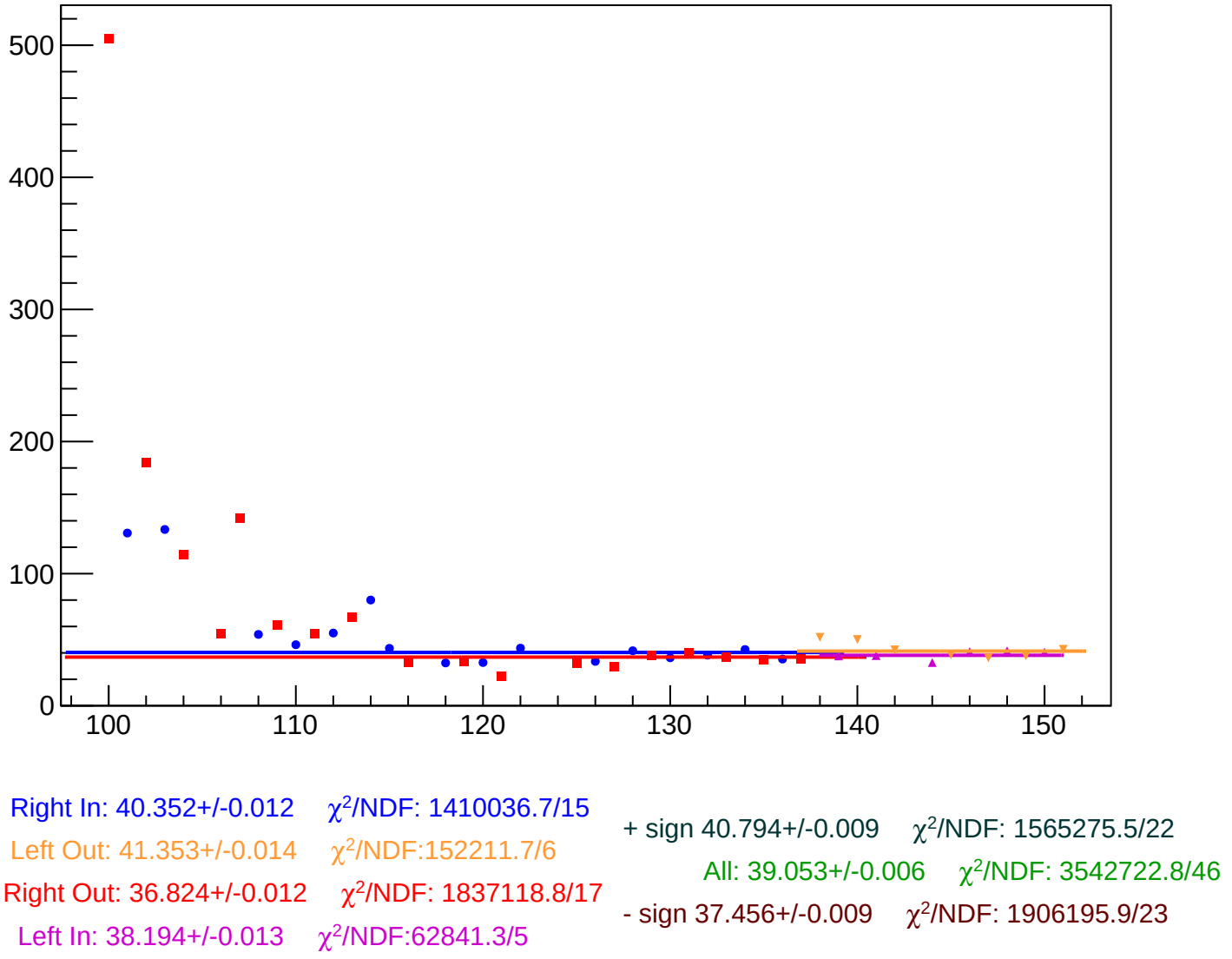
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

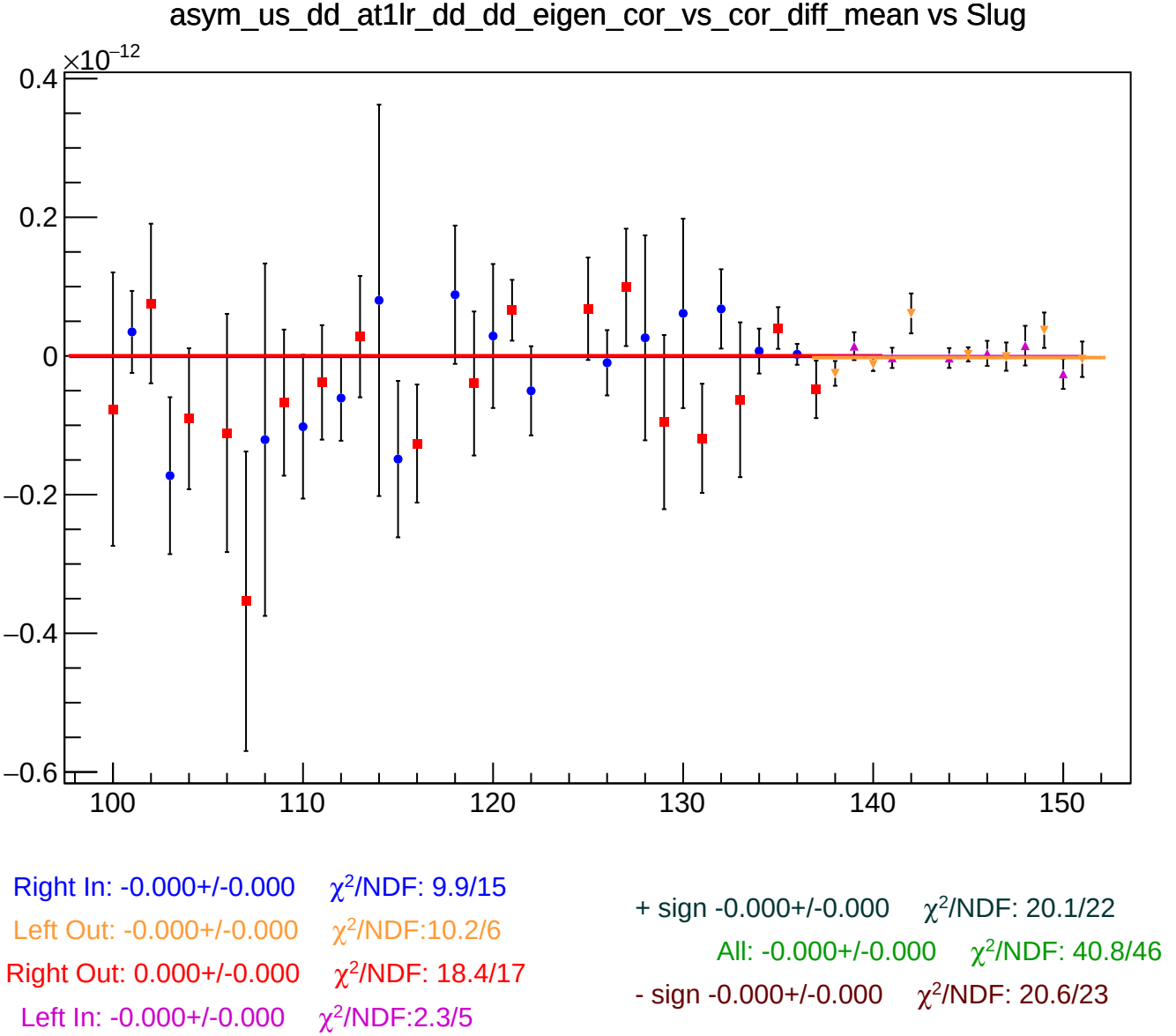
Left In: -0.008+/-0.018 χ^2/NDF:5.7/5

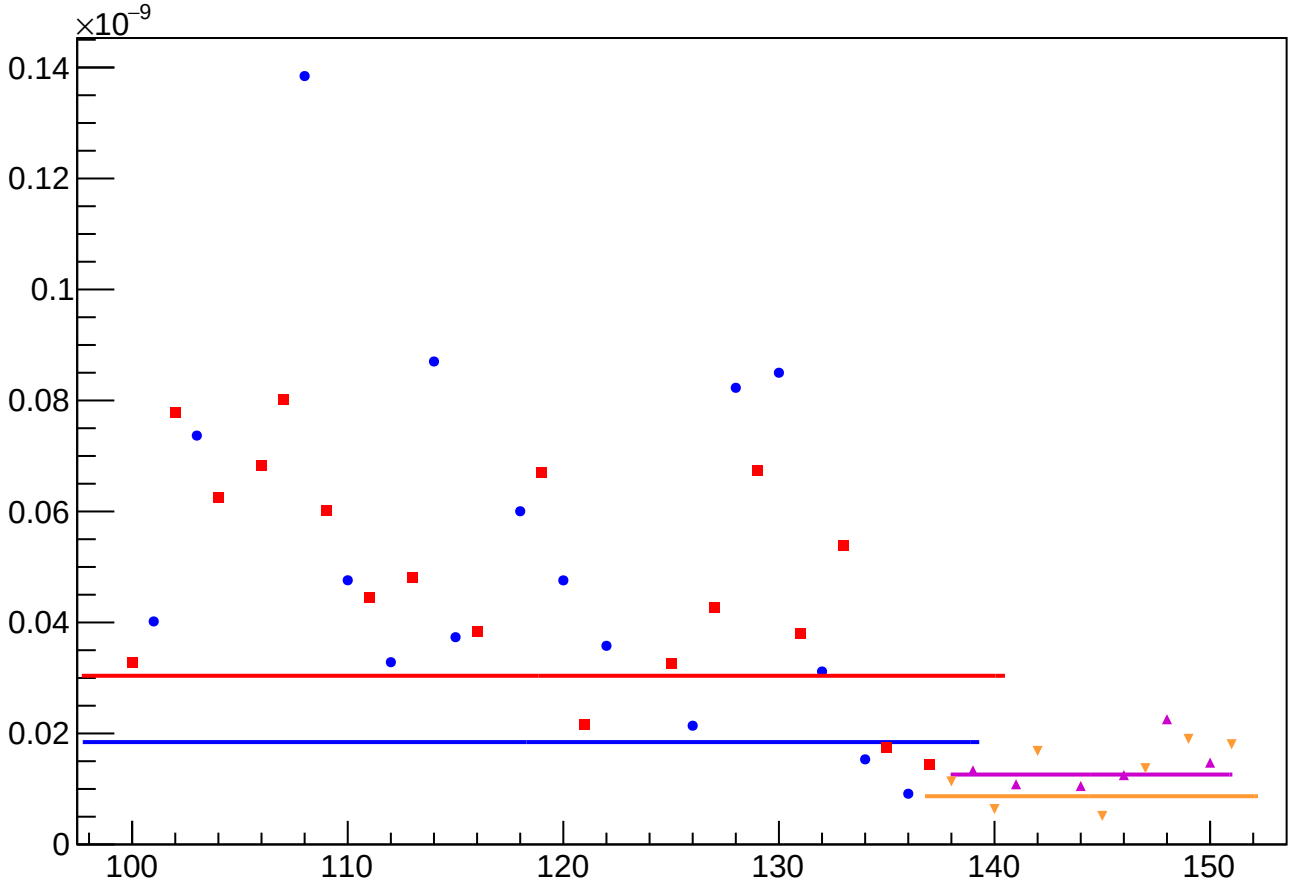
+ sign 0.006+/-0.013 χ^2/NDF: 20.8/22

All: 0.001+/-0.009 χ^2/NDF: 37.8/46

- sign -0.003+/-0.012 χ^2/NDF: 16.7/23


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
Right In: 40.352+/-0.012 χ²/NDF: 1410036.7/15
Left Out: 41.353+/-0.014 χ²/NDF:152211.7/6
Right Out: 36.824+/-0.012 χ²/NDF: 1837118.8/17
Left In: 38.194+/-0.013 χ²/NDF:62841.3/5
+ sign 40.794+/-0.009 χ²/NDF: 1565275.5/22
All: 39.053+/-0.006 χ²/NDF: 3542722.8/46
- sign 37.456+/-0.009 χ²/NDF: 1906195.9/23


asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 9.9/15
Left Out: -0.000+/-0.000 χ²/NDF:10.2/6
Right Out: 0.000+/-0.000 χ²/NDF: 18.4/17
Left In: -0.000+/-0.000 χ²/NDF:2.3/5
+ sign -0.000+/-0.000 χ²/NDF: 20.1/22
All: -0.000+/-0.000 χ²/NDF: 40.8/46
- sign -0.000+/-0.000 χ²/NDF: 20.6/23



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1287009.3/6

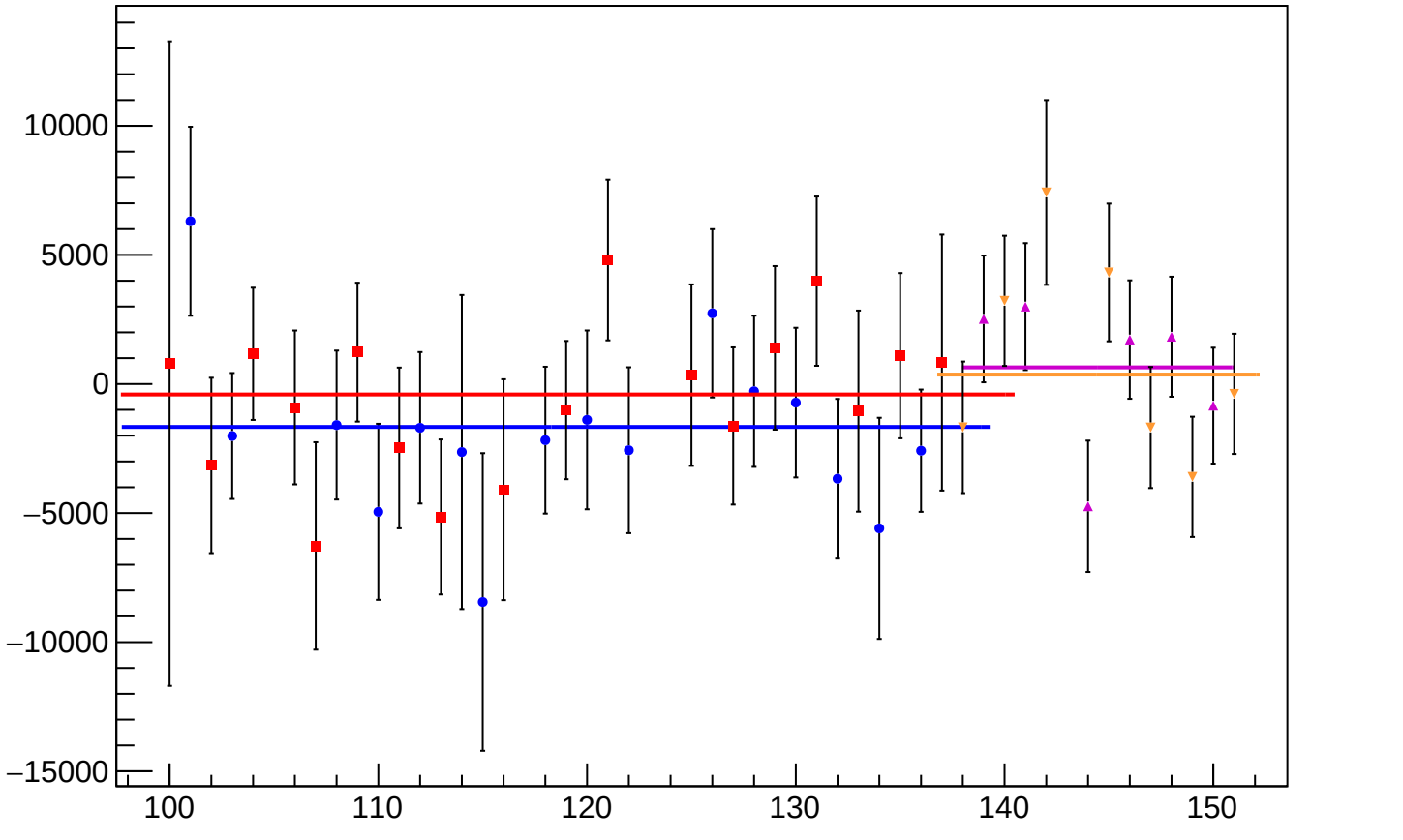
Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:335464.6/5

+ sign 0.000+/-0.000 χ^2/NDF: 6454891.2/22

All: 0.000+/-0.000 χ^2/NDF: 11814458.3/46

- sign 0.000+/-0.000 χ^2/NDF: 4670726.1/23



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: 364.849+/-962.045 χ^2/NDF:11.8/6

Right Out: -406.847+/-777.158 χ^2/NDF: 12.7/17

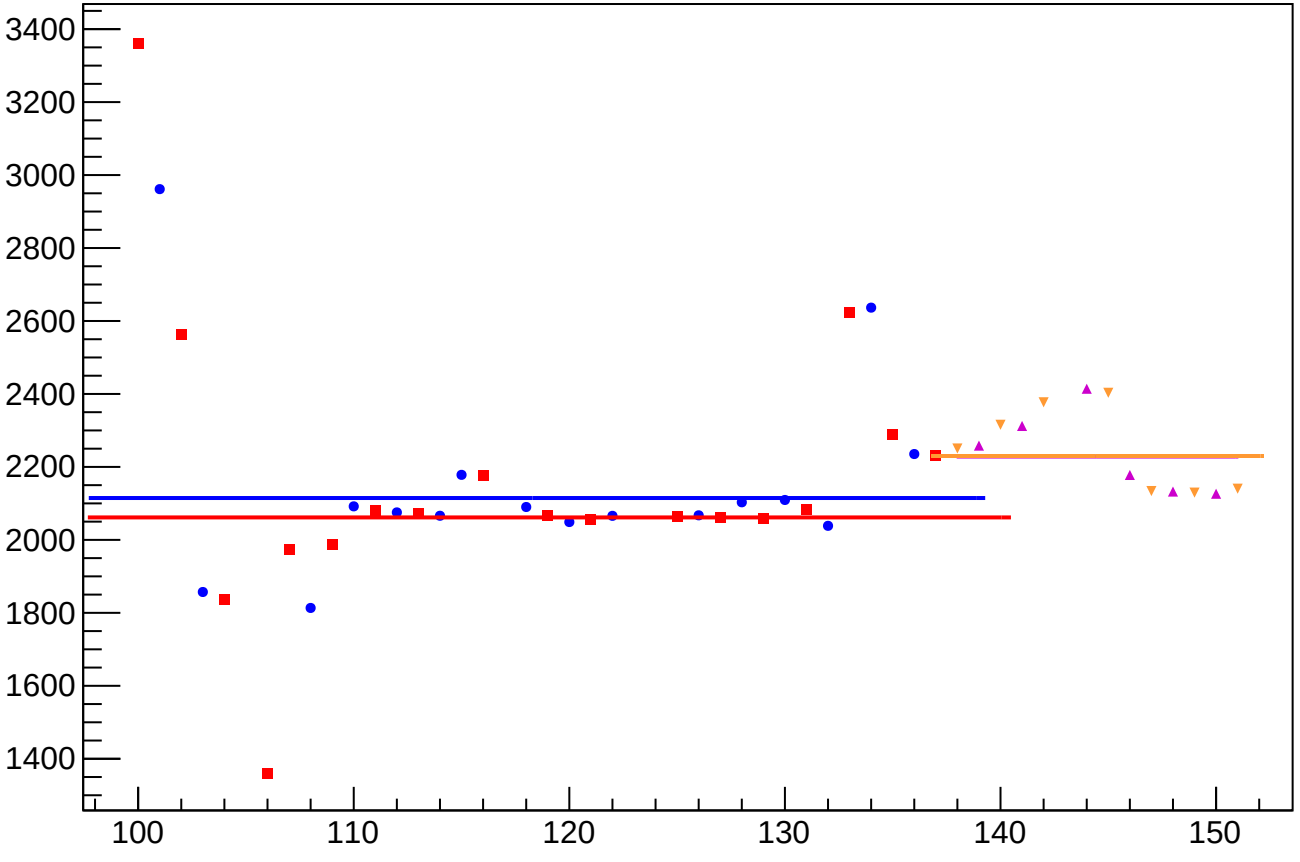
Left In: 643.561+/-971.543 χ^2/NDF:6.9/5

\+ sign -844.409+/-611.529 χ^2/NDF: 25.2/22

All: -417.463+/-430.764 χ^2/NDF: 46.5/46

\- sign 3.019+/-606.882 χ^2/NDF: 20.3/23

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2229.913+/-0.680 χ^2/NDF:24286.3/6

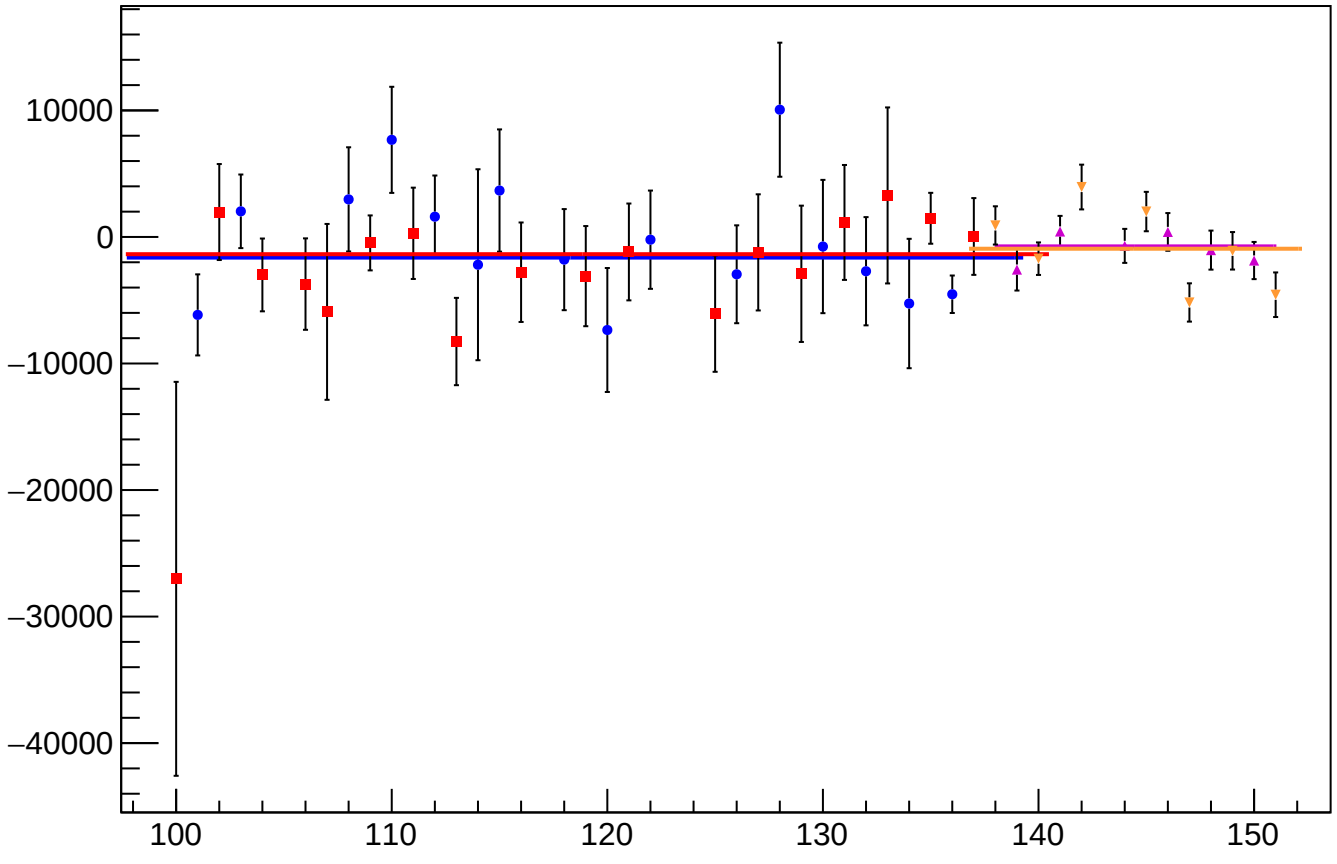
Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2228.440+/-0.687 χ^2/NDF:21797.6/5

+ sign 2161.285+/-0.432 χ^2/NDF: 231284.6/22

All: 2143.848+/-0.305 χ^2/NDF: 541479.9/46

- sign 2126.676+/-0.429 χ^2/NDF: 306967.9/23



Right In: -1630.474+/-862.417 χ^2/NDF: 22.9/15

Left Out: -929.985+/-578.395 χ^2/NDF:25.2/6

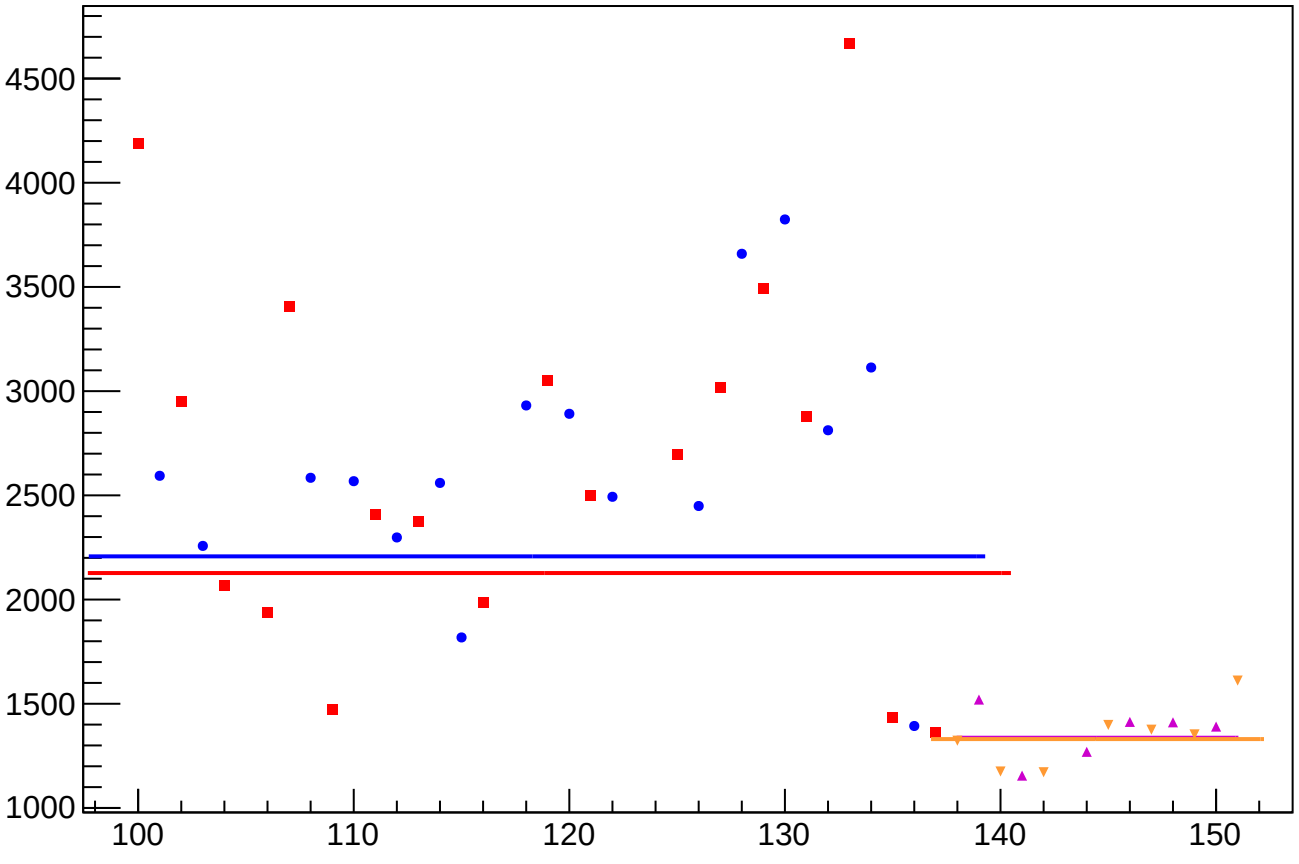
Right Out: -1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: -744.890+/-586.217 χ^2/NDF:3.3/5

\+ sign -1147.310+/-480.365 χ^2/NDF: 48.5/22

All: -1047.156+/-339.825 χ^2/NDF: 65.7/46

\- sign -946.819+/-480.805 χ^2/NDF: 17.2/23



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1330.504+/-0.409 χ^2/NDF:102321.0/6

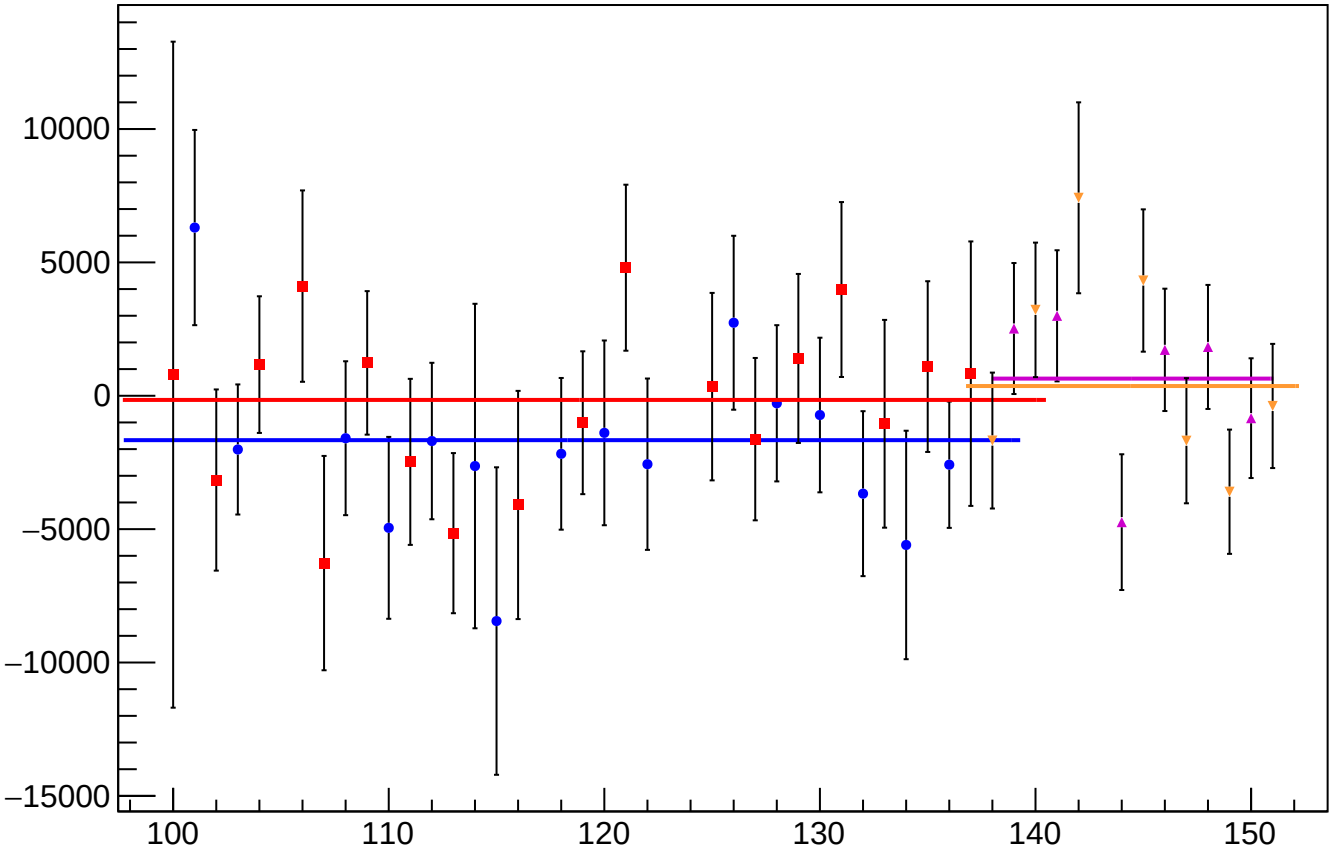
Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1337.009+/-0.415 χ^2/NDF:85442.9/5

+ sign 1602.513+/-0.340 χ^2/NDF: 2777326.7/22

All: 1599.084+/-0.240 χ^2/NDF: 5510483.4/46

- sign 1595.648+/-0.340 χ^2/NDF: 2732952.6/23



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 364.979+/-962.045 χ^2/NDF:11.8/6

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

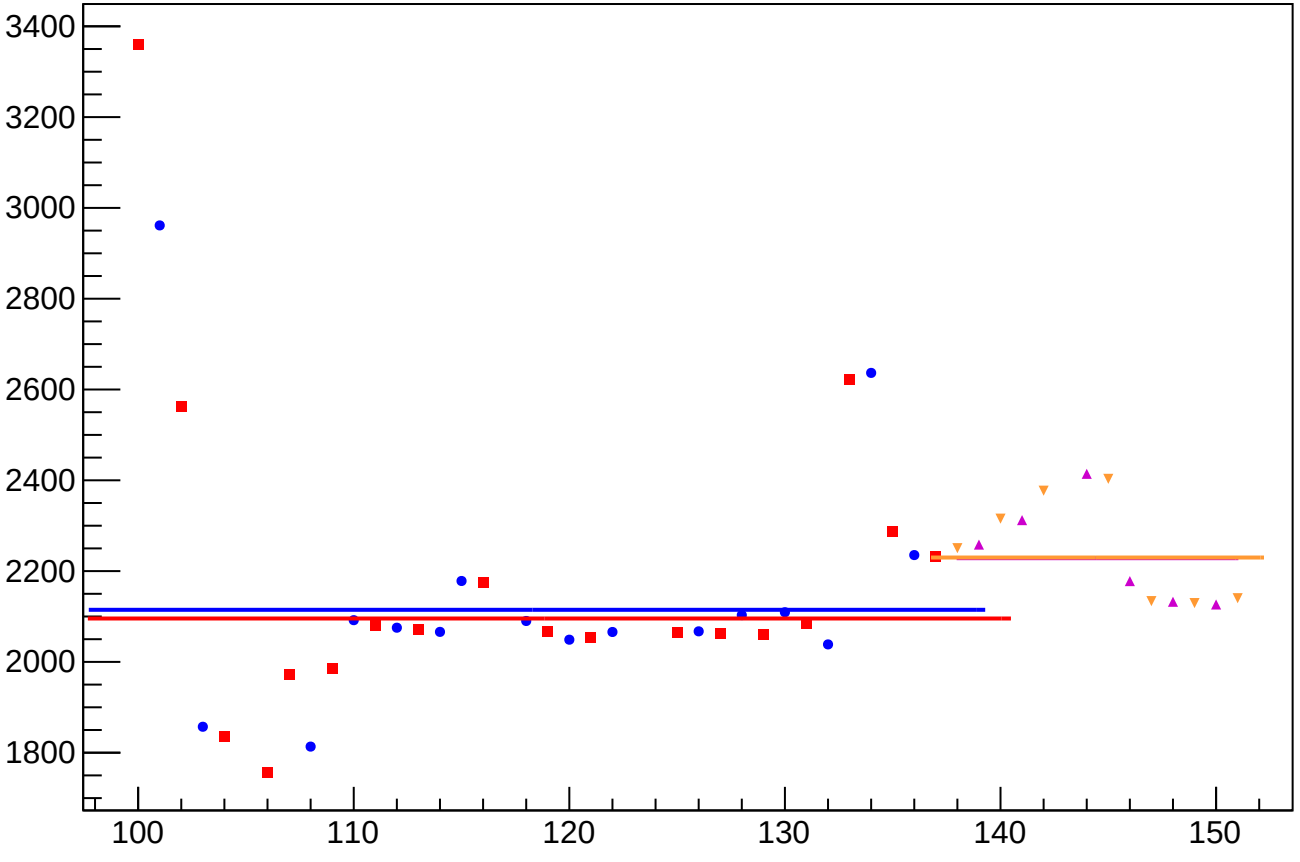
Left In: 643.666+/-971.543 χ^2/NDF:6.9/5

+ sign -844.313+/-611.529 χ^2/NDF: 25.2/22

All: -341.461+/-432.166 χ^2/NDF: 48.1/46

- sign 160.227+/-610.820 χ^2/NDF: 21.5/23

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2229.913+/-0.680 χ^2/NDF:24286.3/6

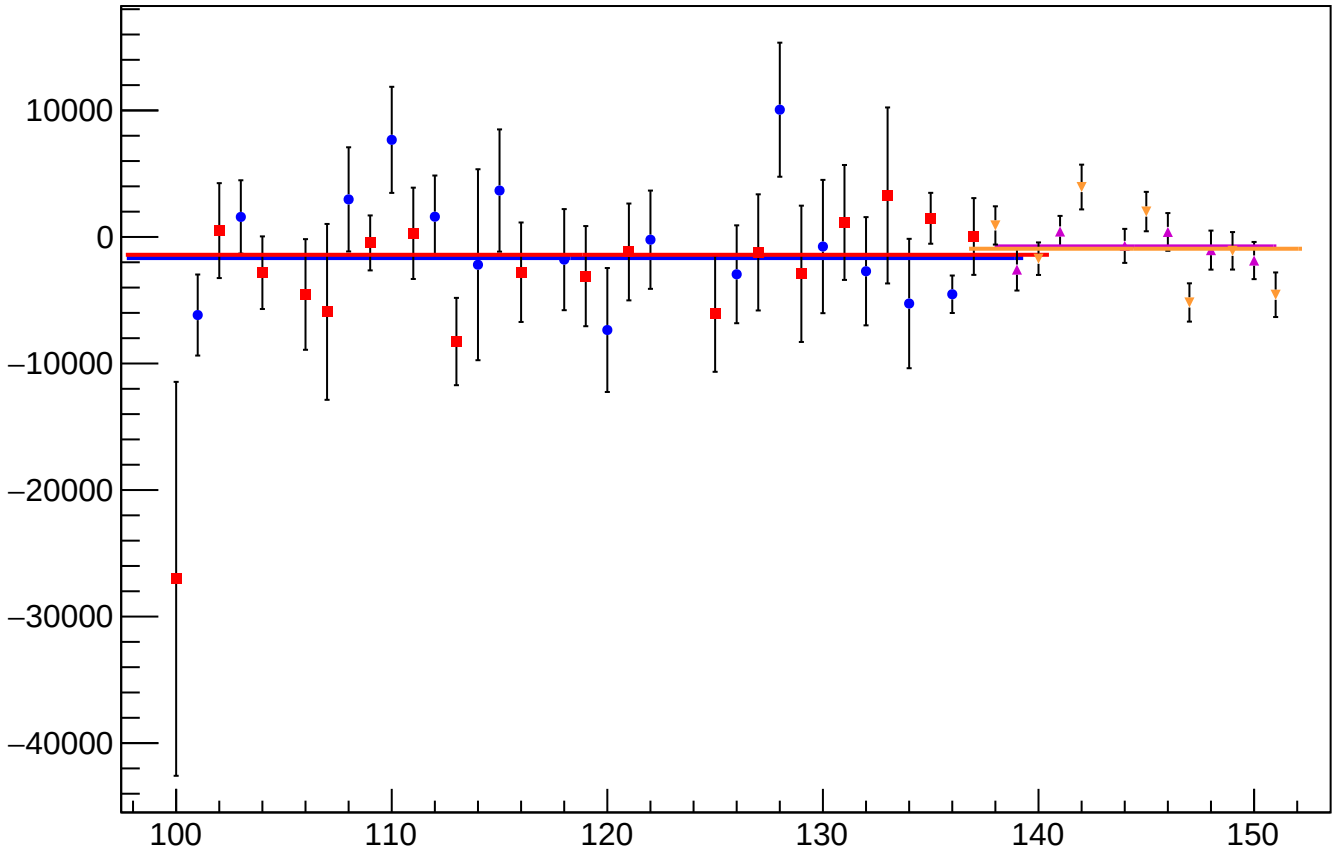
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2228.440+/-0.687 χ^2/NDF:21797.6/5

+ sign 2161.285+/-0.432 χ^2/NDF: 231284.9/22

All: 2154.688+/-0.306 χ^2/NDF: 425520.1/46

- sign 2148.107+/-0.432 χ^2/NDF: 193770.2/23



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -930.051+/-578.402 χ^2/NDF:25.2/6

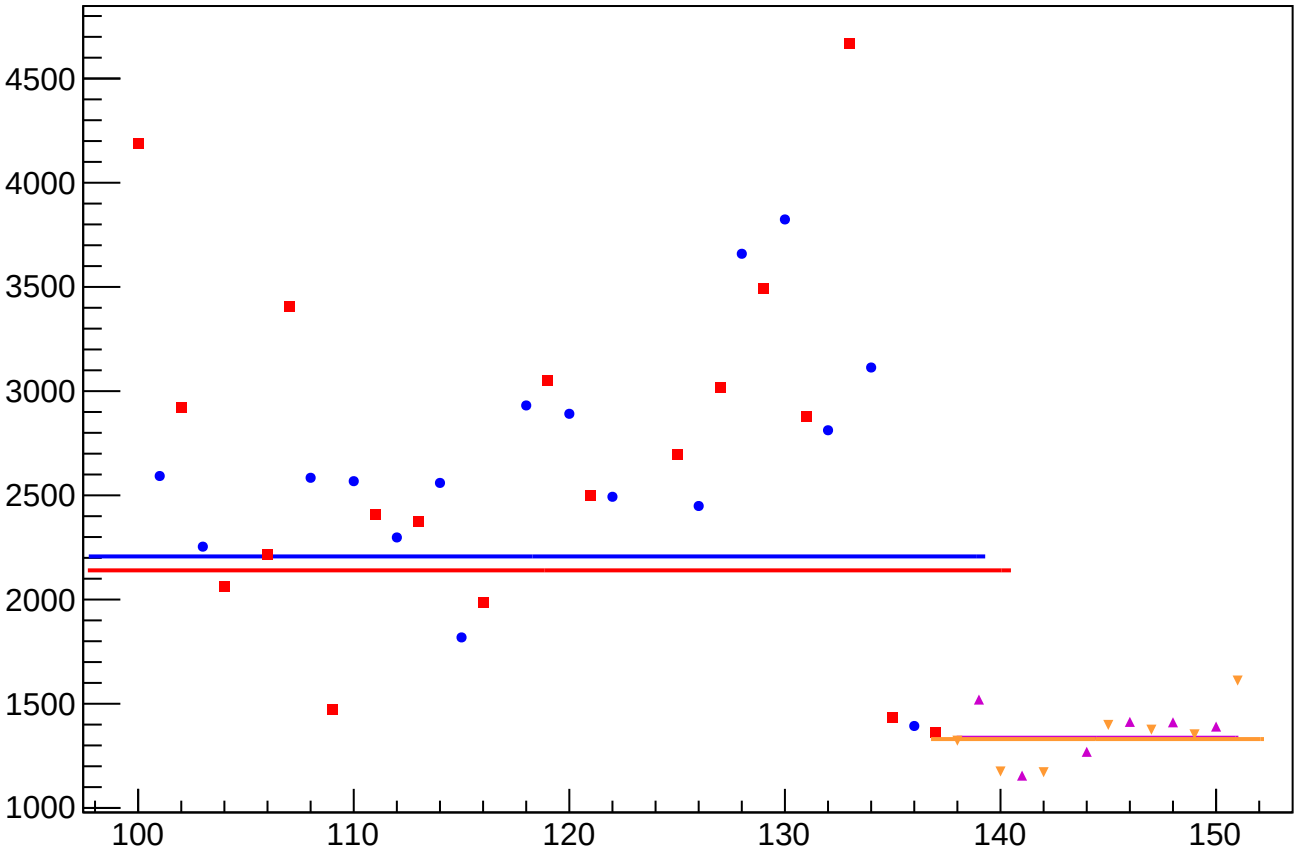
Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: -744.884+/-586.216 χ^2/NDF:3.3/5

\+ sign -1159.258+/-480.318 χ^2/NDF: 48.2/22

All: -1059.795+/-340.243 χ^2/NDF: 65.0/46

\- sign -959.618+/-482.040 χ^2/NDF: 16.7/23



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1330.523+/-0.409 χ^2/NDF:102291.4/6

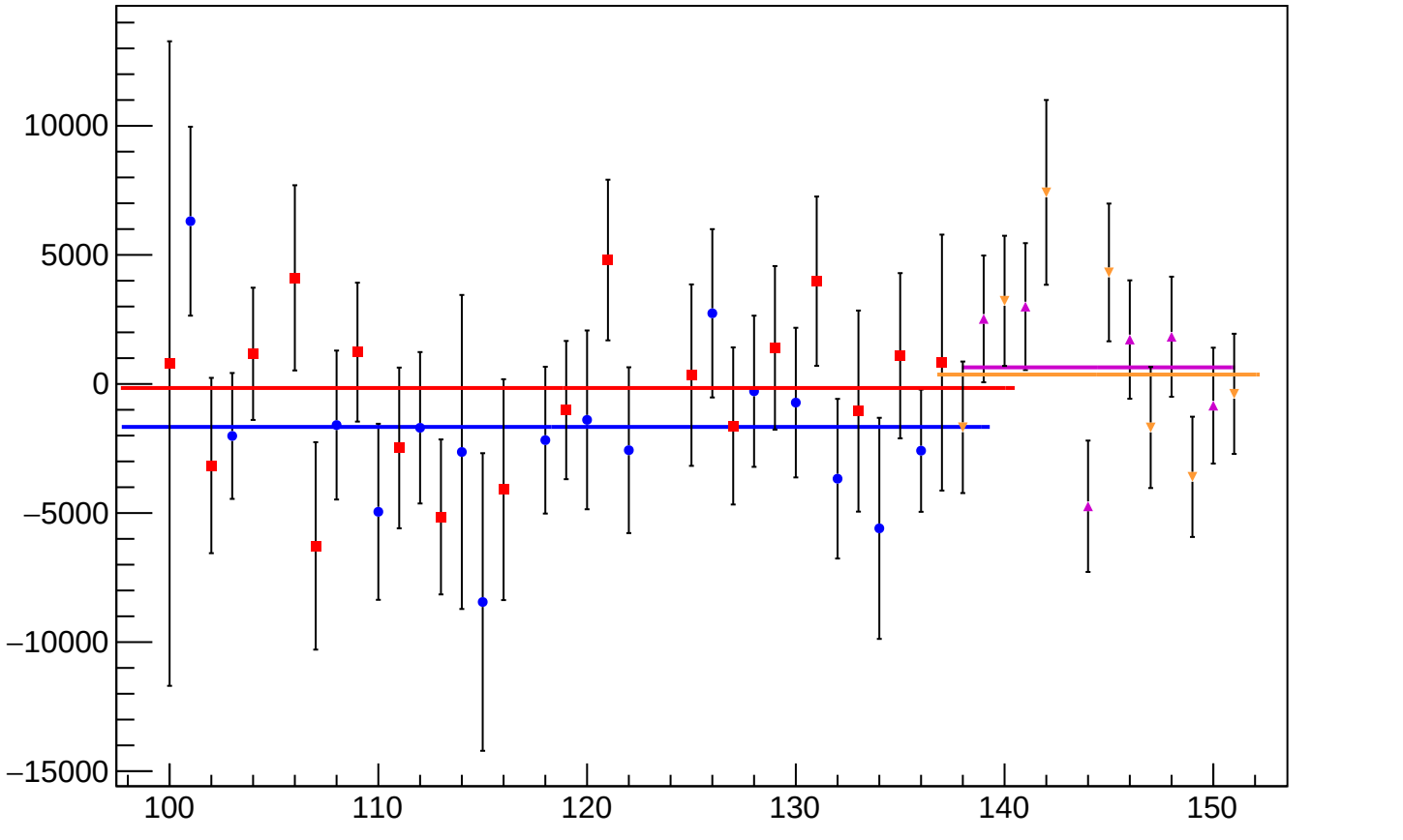
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1337.004+/-0.415 χ^2/NDF:85467.7/5

+ sign 1602.553+/-0.340 χ^2/NDF: 2776553.9/22

All: 1599.819+/-0.241 χ^2/NDF: 5525961.7/46

- sign 1597.065+/-0.341 χ^2/NDF: 2749277.7/23



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 364.979+/-962.045 χ^2/NDF:11.8/6

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

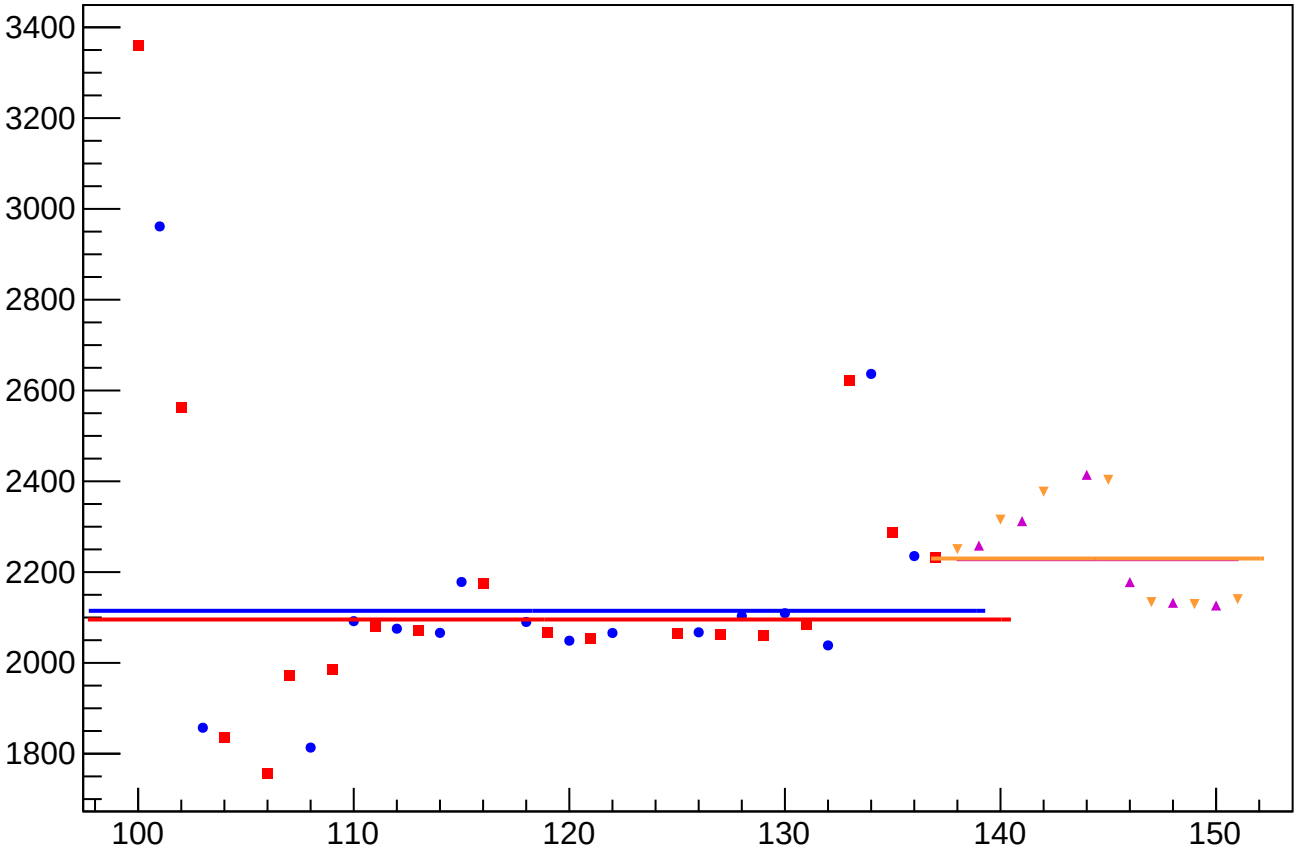
Left In: 643.666+/-971.543 χ^2/NDF:6.9/5

+ sign -844.313+/-611.529 χ^2/NDF: 25.2/22

All: -341.461+/-432.166 χ^2/NDF: 48.1/46

- sign 160.227+/-610.820 χ^2/NDF: 21.5/23

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: 2229.913+/-0.680 χ^2/NDF:24286.3/6

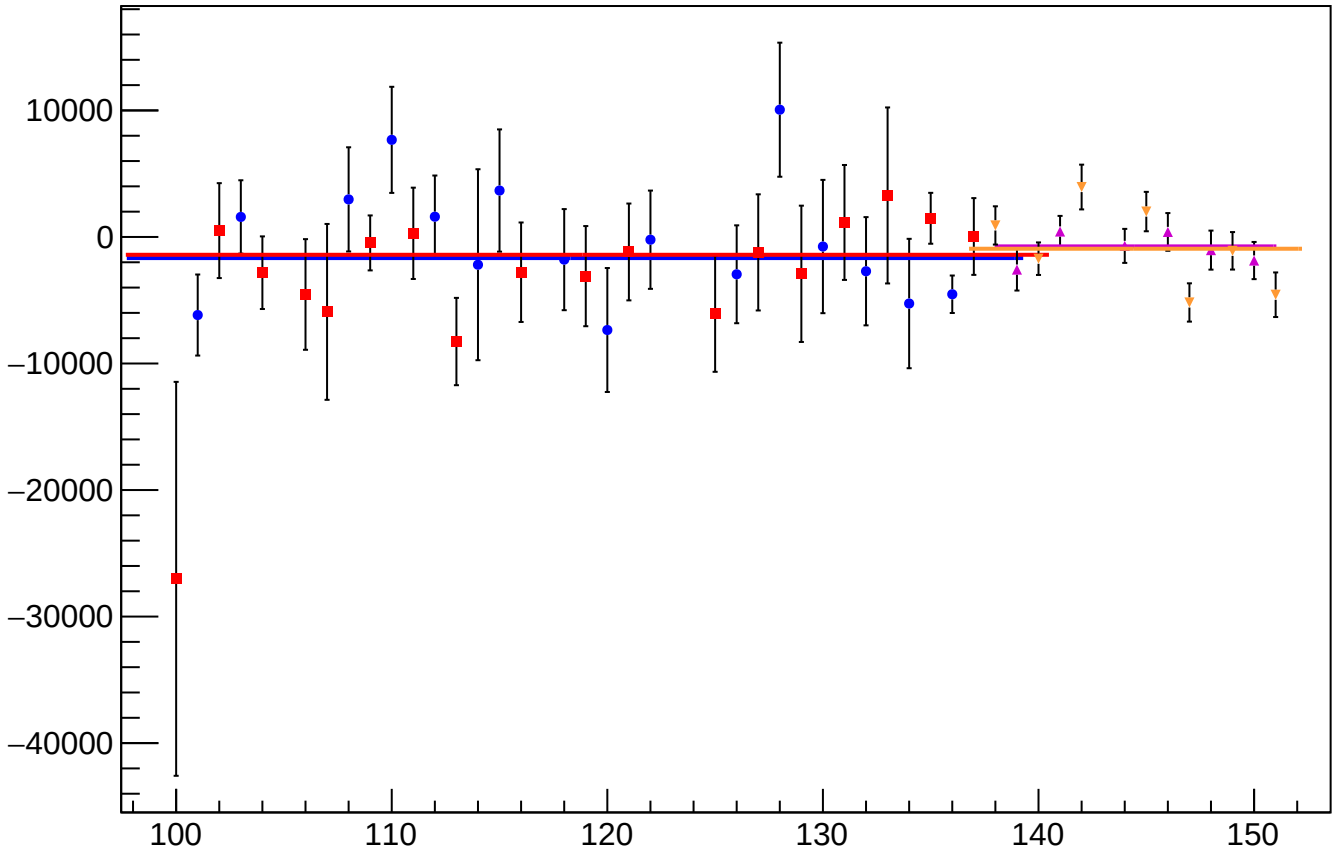
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2228.440+/-0.687 χ^2/NDF:21797.6/5

+ sign 2161.285+/-0.432 χ^2/NDF: 231284.9/22

All: 2154.688+/-0.306 χ^2/NDF: 425520.1/46

- sign 2148.107+/-0.432 χ^2/NDF: 193770.2/23



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -930.051+/-578.402 χ^2/NDF:25.2/6

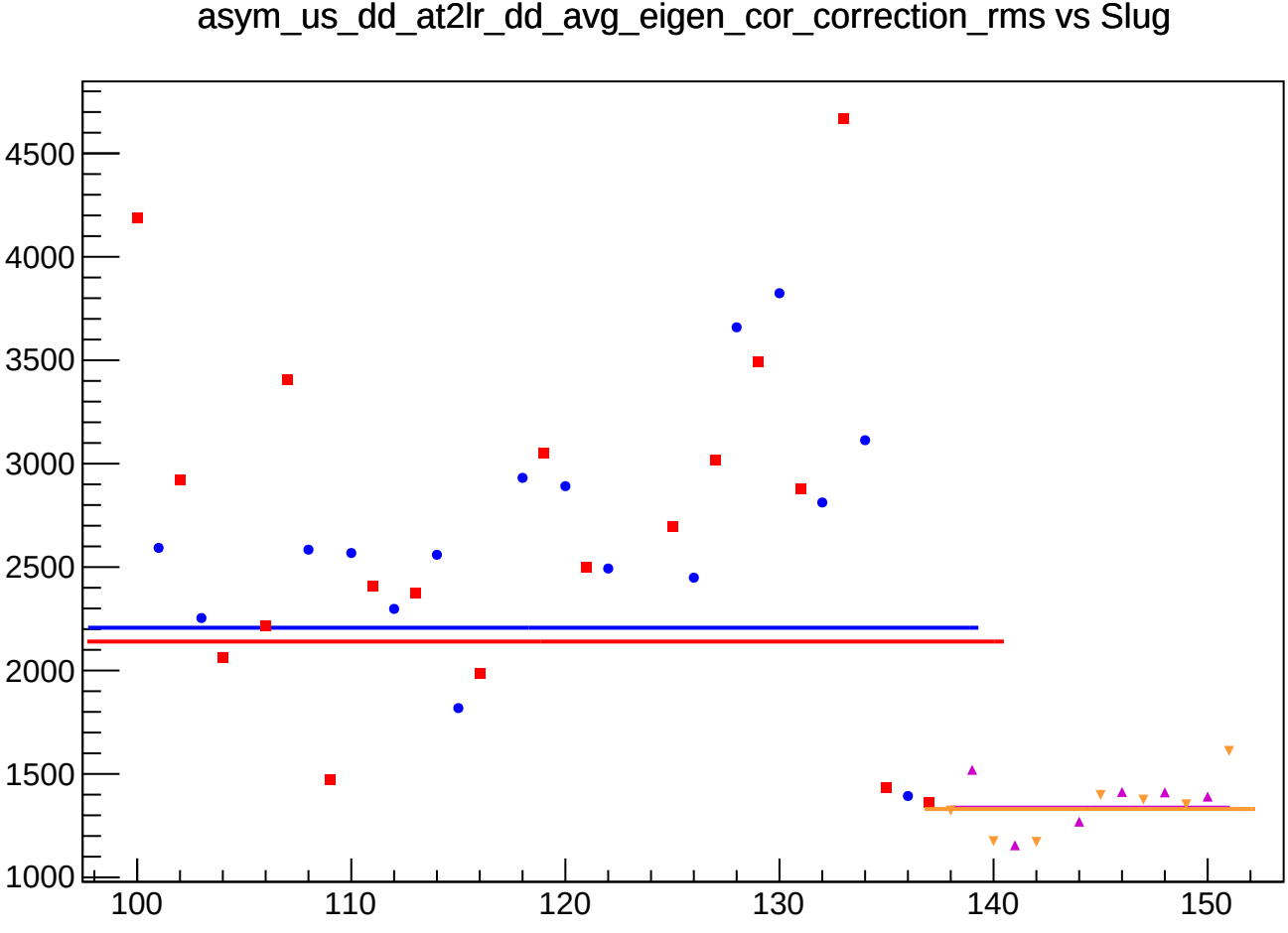
Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: -744.884+/-586.216 χ^2/NDF:3.3/5

+ sign -1159.258+/-480.318 χ^2/NDF: 48.2/22

All: -1059.795+/-340.243 χ^2/NDF: 65.0/46

- sign -959.618+/-482.040 χ^2/NDF: 16.7/23



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1330.523+/-0.409 χ^2/NDF:102291.4/6

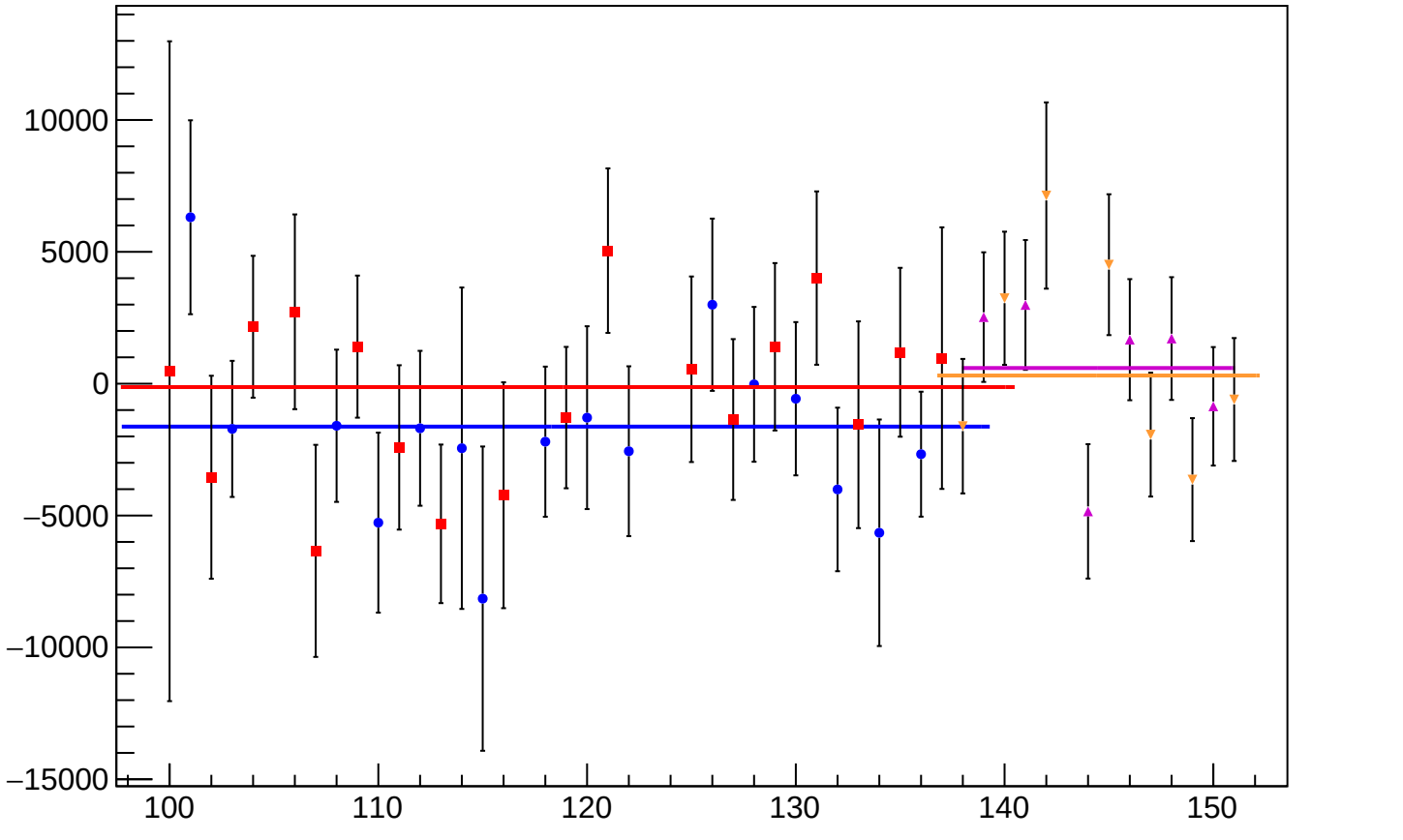
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1337.004+/-0.415 χ^2/NDF:85467.7/5

+ sign 1602.553+/-0.340 χ^2/NDF: 2776553.9/22

All: 1599.819+/-0.241 χ^2/NDF: 5525961.7/46

- sign 1597.065+/-0.341 χ^2/NDF: 2749277.7/23



Right In: -1627.635+/-797.966 χ^2/NDF: 11.3/15

Left Out: 310.131+/-961.965 χ^2/NDF:12.1/6

Right Out: -128.099+/-795.899 χ^2/NDF: 14.6/17

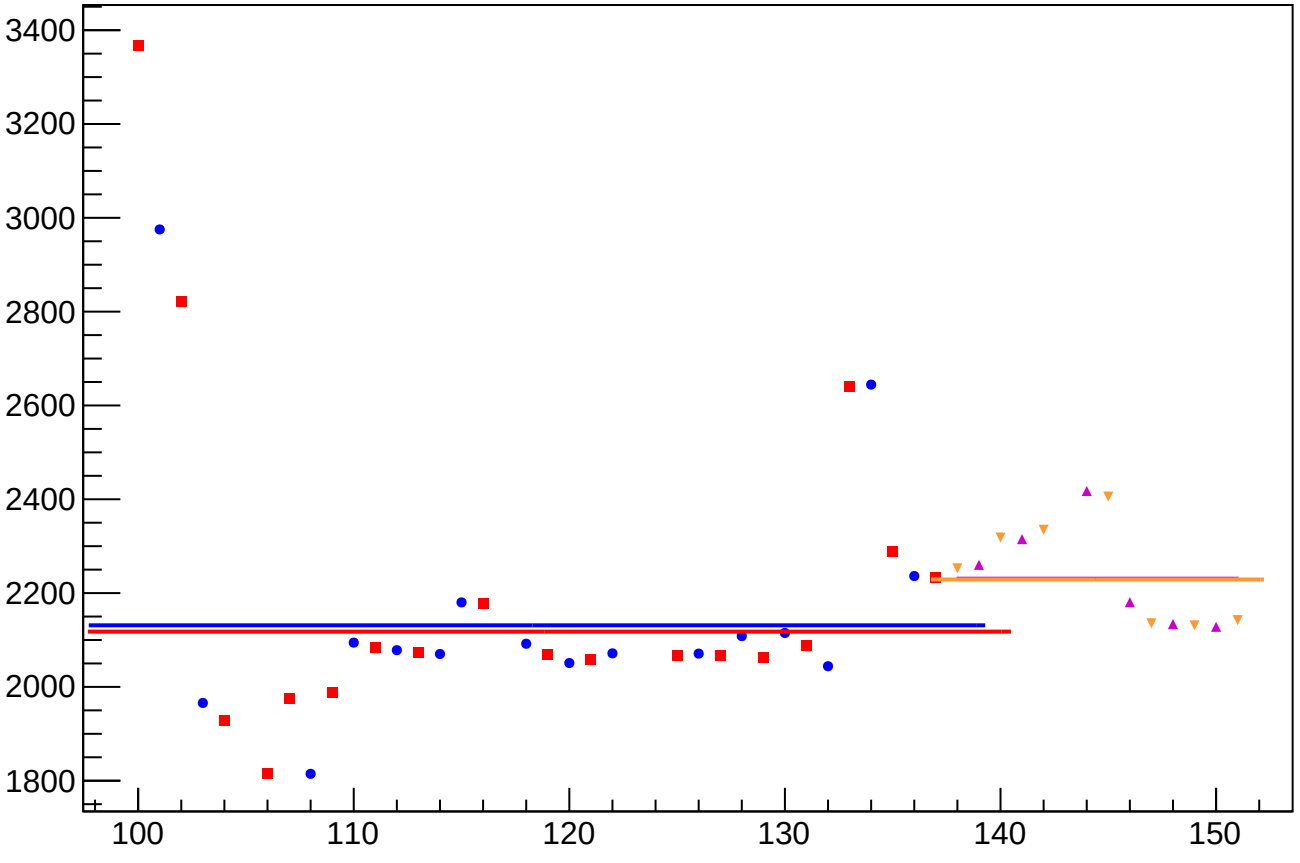
Left In: 594.101+/-972.530 χ^2/NDF:7.0/5

+ sign -837.767+/-614.166 χ^2/NDF: 25.8/22

All: -339.529+/-434.904 χ^2/NDF: 49.0/46

- sign 161.580+/-615.932 χ^2/NDF: 21.9/23

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2229.059+/-0.680 χ^2/NDF:22686.4/6

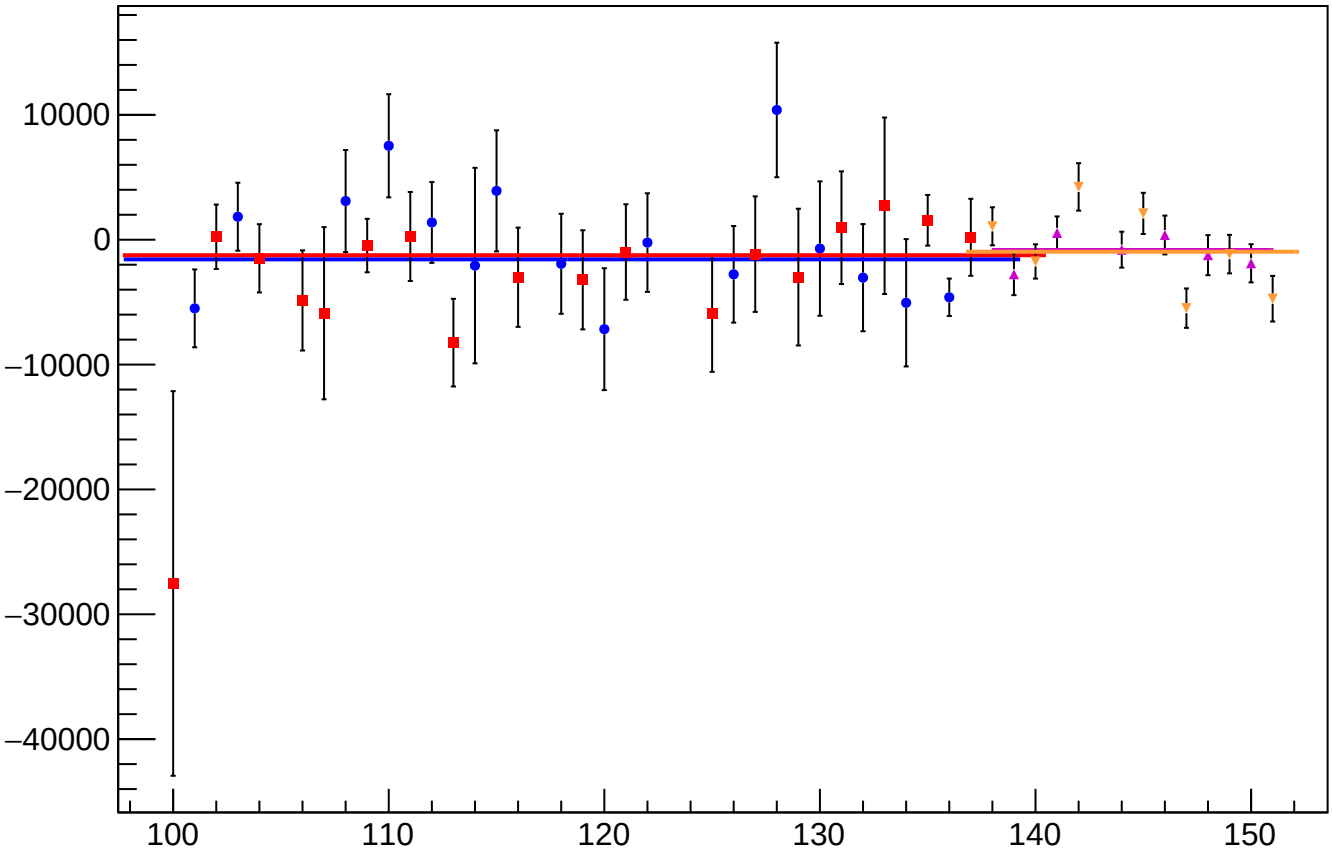
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2230.678+/-0.688 χ^2/NDF:21959.2/5

+ sign 2171.147+/-0.434 χ^2/NDF: 210865.9/22

All: 2167.143+/-0.308 χ^2/NDF: 412734.8/46

- sign 2163.116+/-0.436 χ^2/NDF: 201698.4/23



Right In: -1571.073+/-859.754 χ^2/NDF: 22.6/15

Left Out: -958.916+/-605.492 χ^2/NDF:25.5/6

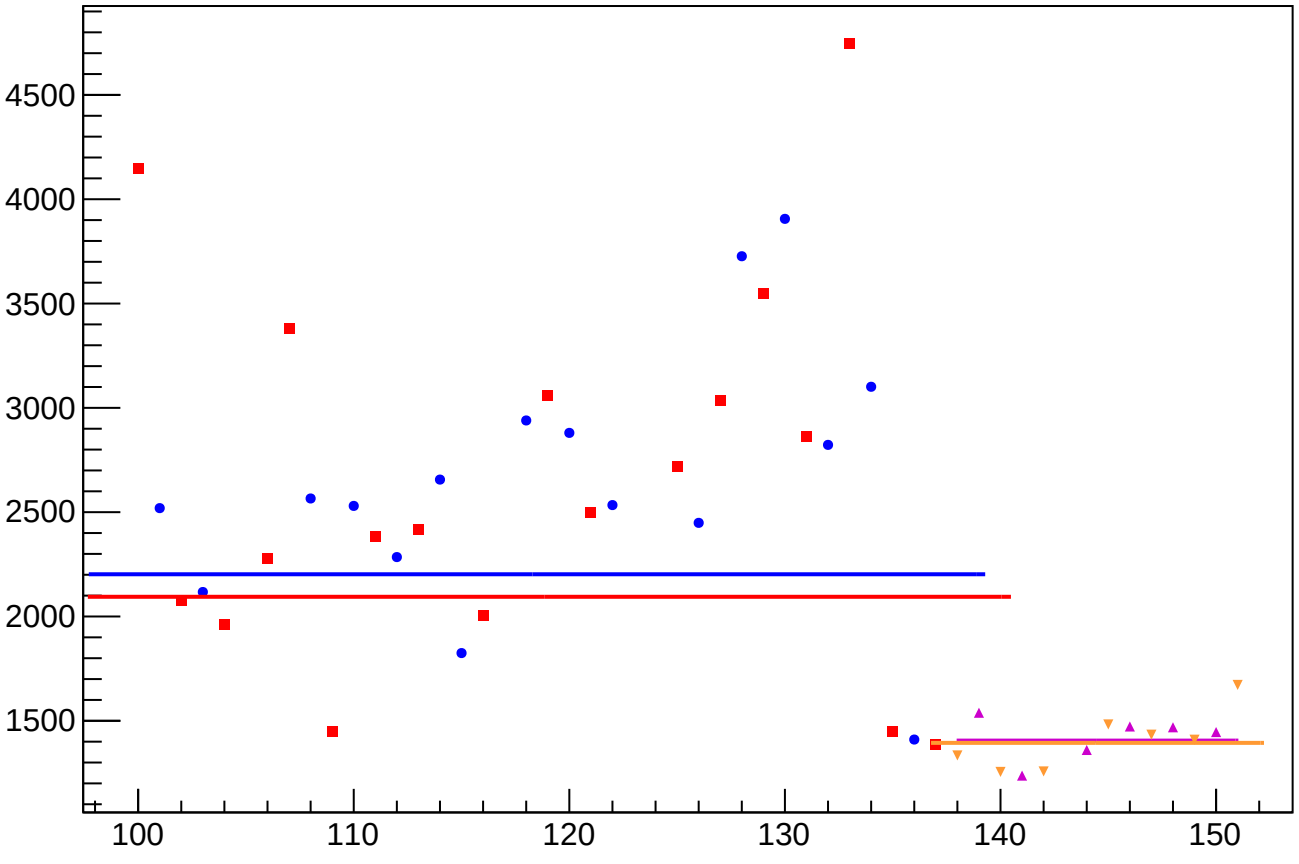
Right Out: -1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: -825.984+/-615.115 χ^2/NDF:3.6/5

\+ sign -1161.873+/-495.045 χ^2/NDF: 48.4/22

All: -1068.104+/-348.972 χ^2/NDF: 65.3/46

\- sign -975.481+/-492.010 χ^2/NDF: 16.8/23



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1394.233+/-0.428 χ^2/NDF:87413.8/6

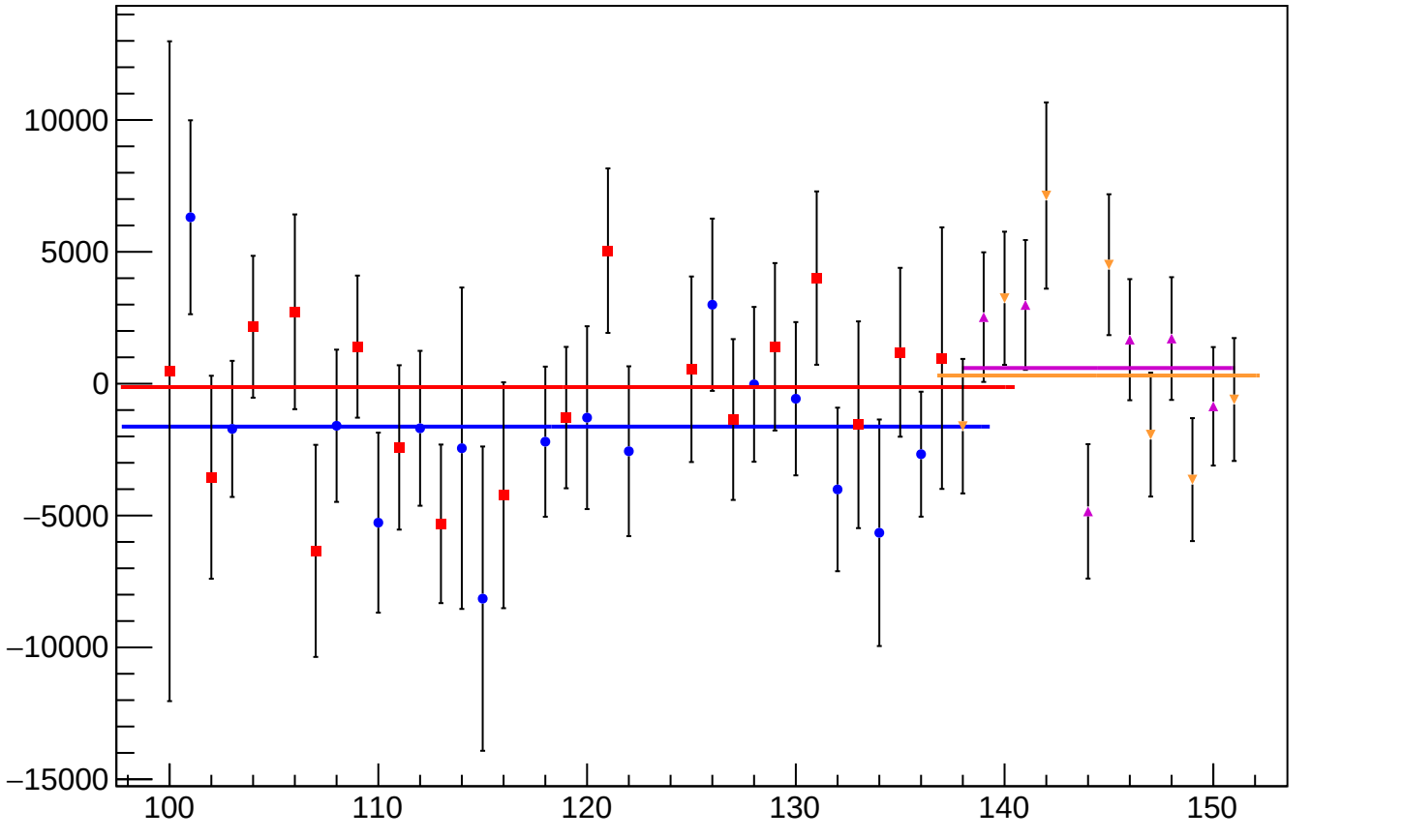
Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1405.075+/-0.435 χ^2/NDF:55328.7/5

+ sign 1662.169+/-0.350 χ^2/NDF: 2491607.6/22

All: 1657.755+/-0.247 χ^2/NDF: 4825787.1/46

- sign 1653.395+/-0.348 χ^2/NDF: 2333863.5/23



Right In: -1627.637+/-797.966 χ^2/NDF: 11.3/15

Left Out: 310.134+/-961.965 χ^2/NDF:12.1/6

Right Out: -128.093+/-795.899 χ^2/NDF: 14.6/17

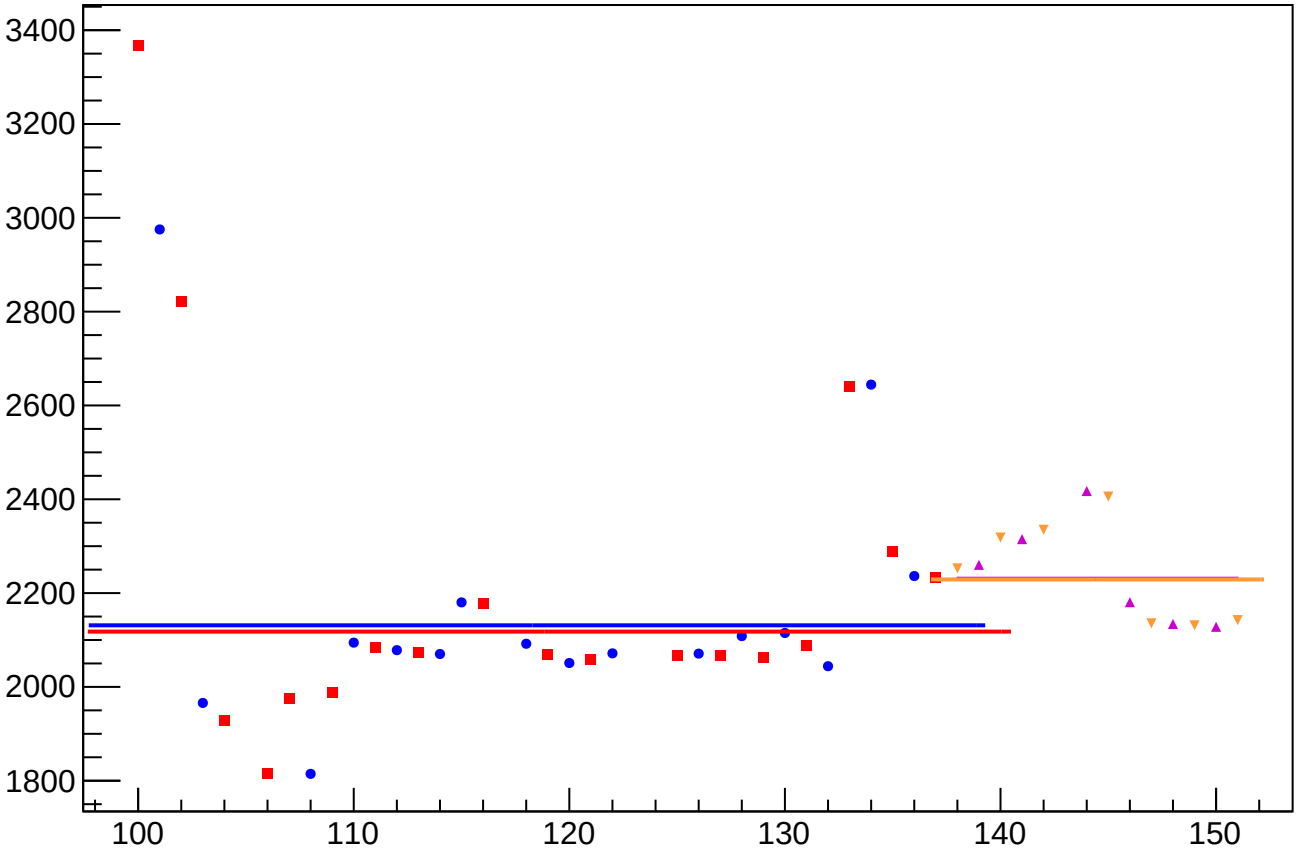
Left In: 594.093+/-972.530 χ^2/NDF:7.0/5

+ sign -837.767+/-614.166 χ^2/NDF: 25.8/22

All: -339.528+/-434.904 χ^2/NDF: 49.0/46

- sign 161.580+/-615.932 χ^2/NDF: 21.9/23

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: 2229.059+/-0.680 χ^2/NDF:22686.5/6

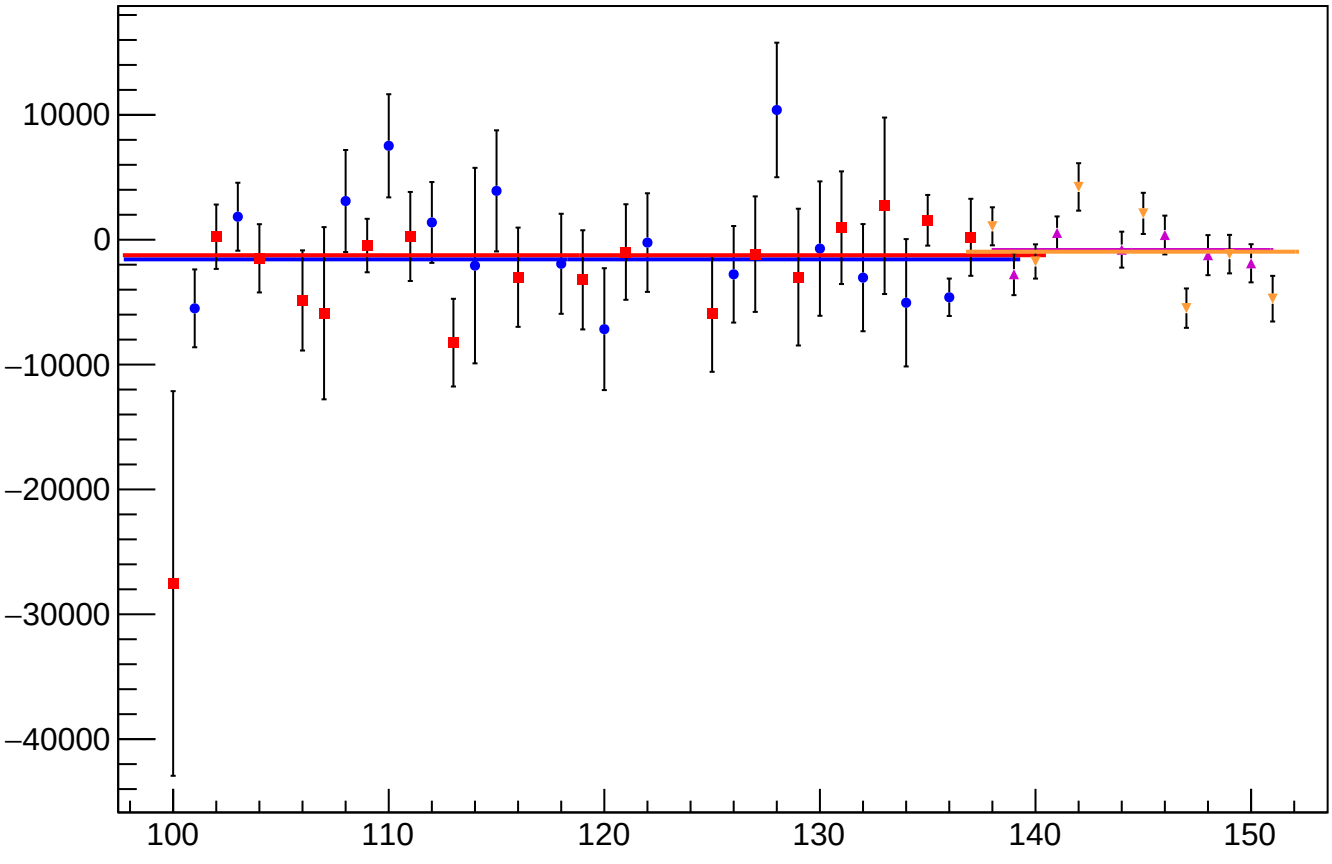
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2230.678+/-0.688 χ^2/NDF:21959.2/5

+ sign 2171.147+/-0.434 χ^2/NDF: 210865.9/22

All: 2167.143+/-0.308 χ^2/NDF: 412734.8/46

- sign 2163.116+/-0.436 χ^2/NDF: 201698.4/23



Right In: -1571.058+/-859.757 χ^2/NDF: 22.6/15

Left Out: -958.928+/-605.494 χ^2/NDF:25.5/6

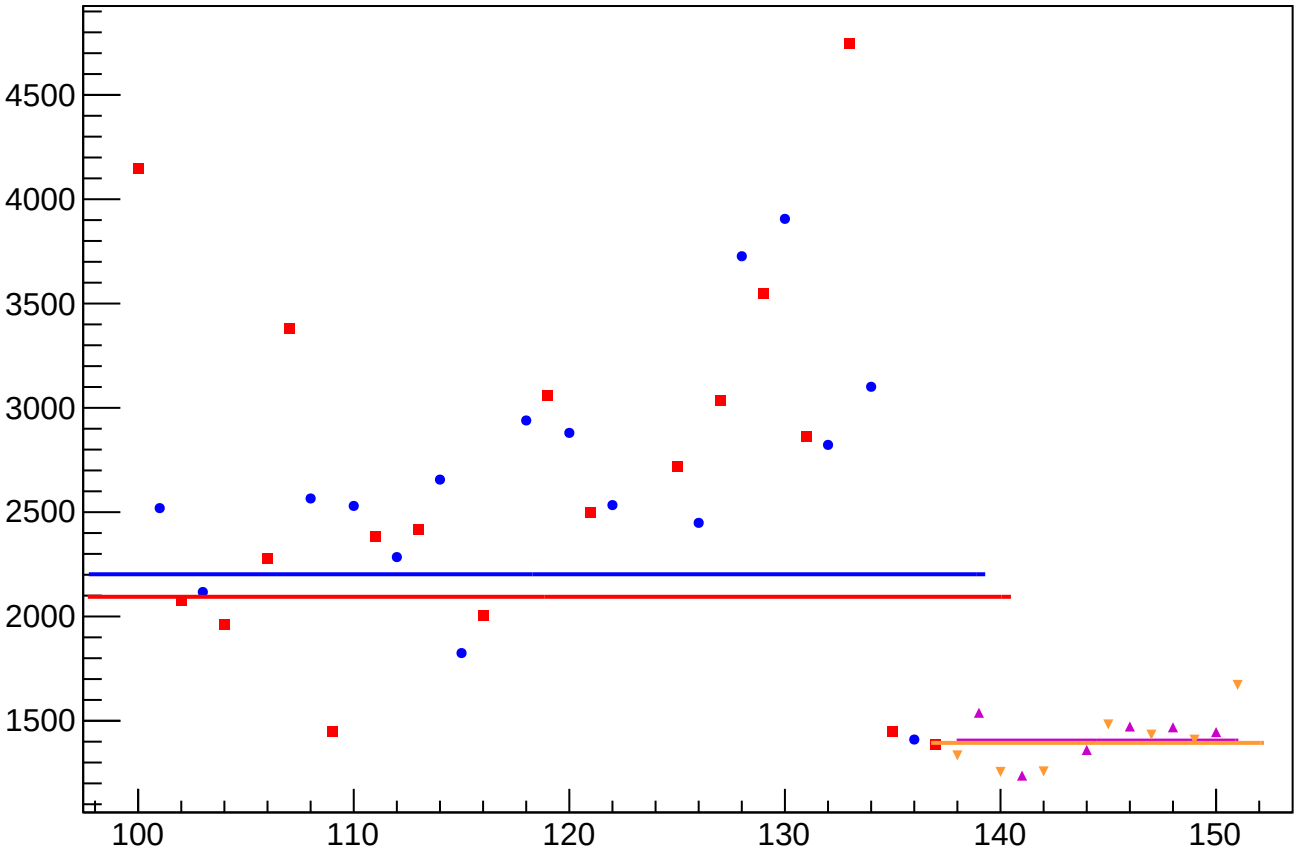
Right Out: -1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: -825.982+/-615.116 χ^2/NDF:3.6/5

\+ sign -1161.876+/-495.047 χ^2/NDF: 48.4/22

All: -1068.107+/-348.973 χ^2/NDF: 65.3/46

\- sign -975.484+/-492.011 χ^2/NDF: 16.8/23



Right In: 2202.391+/-0.608 χ^2/NDF: 1222905.3/15

Left Out: 1394.239+/-0.428 χ^2/NDF:87408.7/6

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

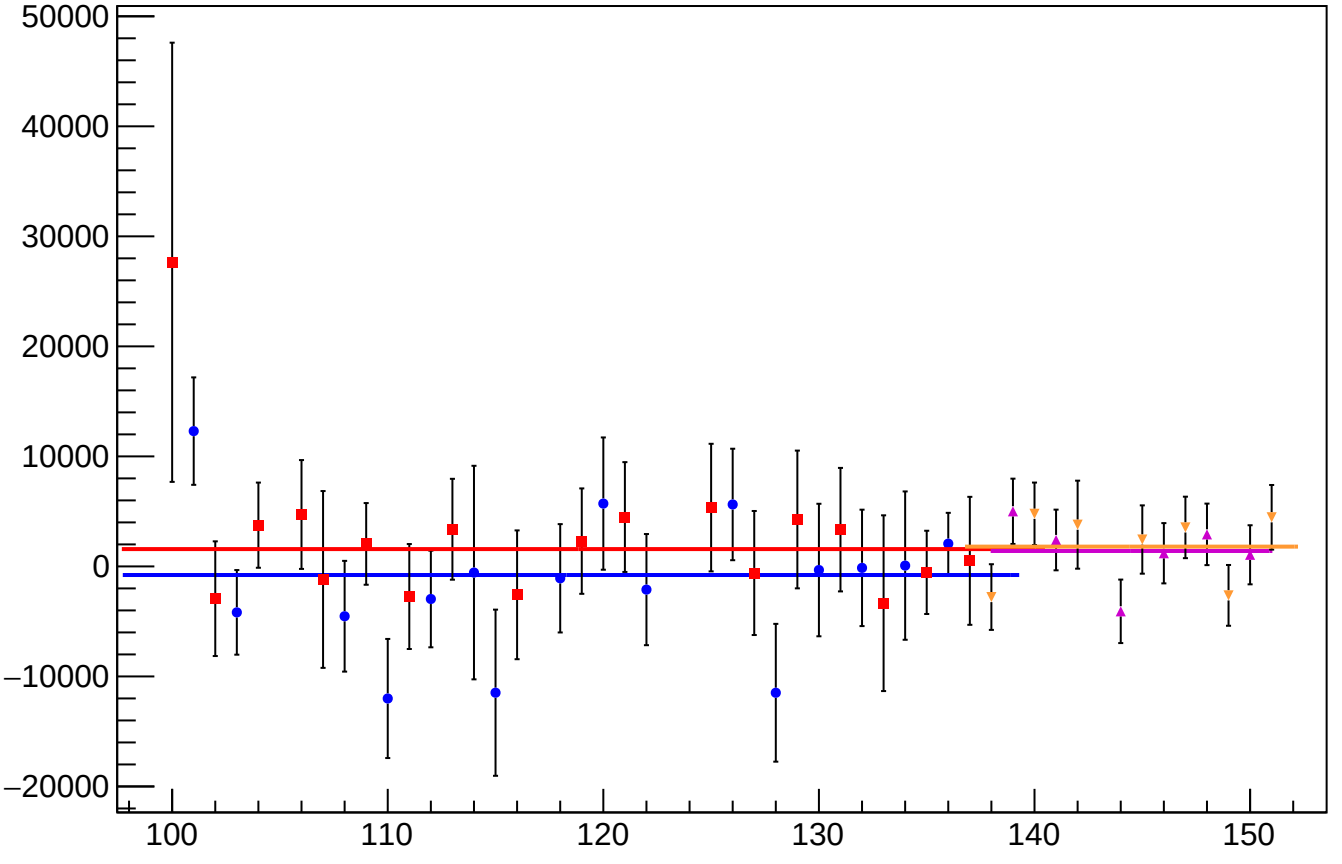
Left In: 1405.076+/-0.435 χ^2/NDF:55330.0/5

+ sign 1662.177+/-0.350 χ^2/NDF: 2491553.8/22

All: 1657.761+/-0.247 χ^2/NDF: 4825712.9/46

- sign 1653.399+/-0.348 χ^2/NDF: 2333842.7/23

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 1798.189+/-1133.893 χ^2/NDF:7.5/6

Right Out: 1574.673+/-1218.961 χ^2/NDF: 6.7/17

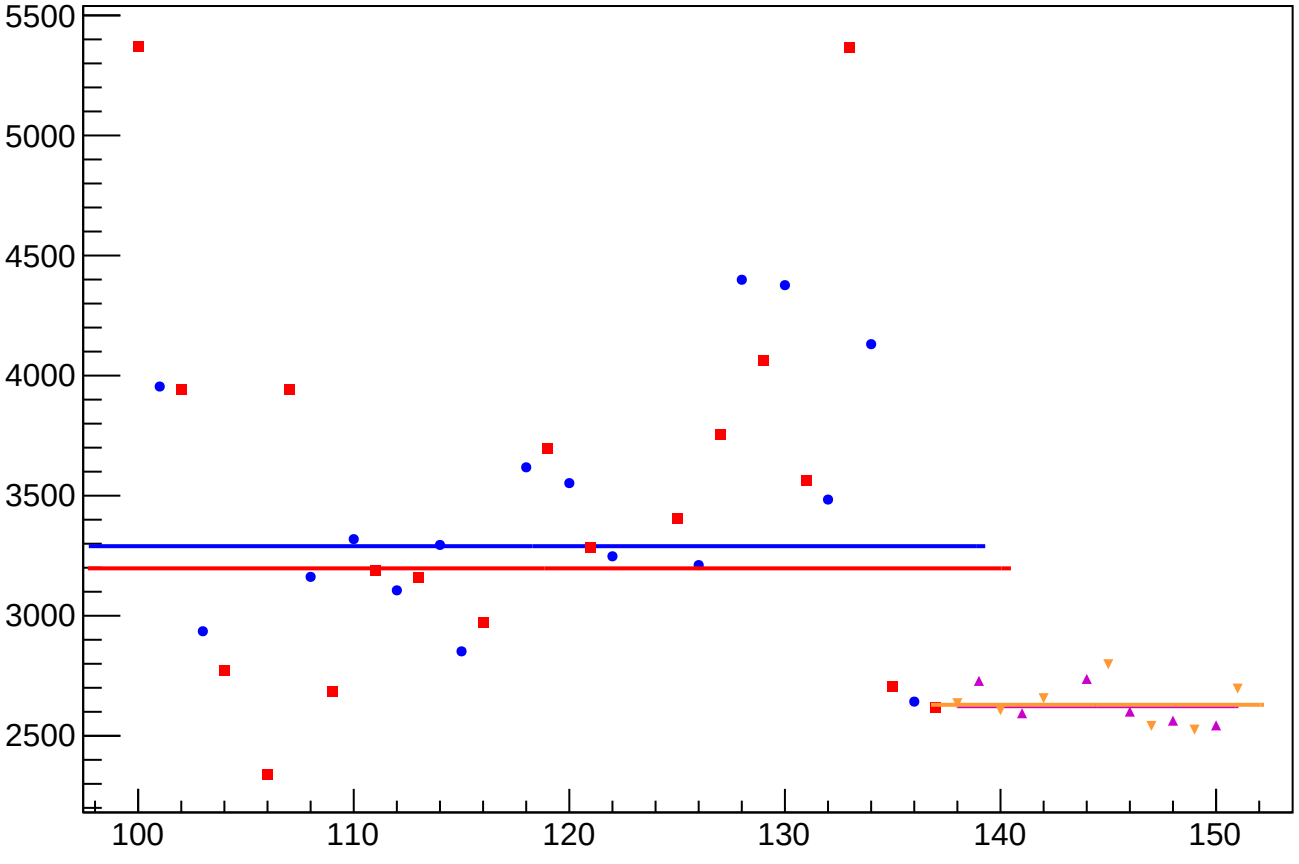
Left In: 1402.383+/-1143.226 χ^2/NDF:5.5/5

+ sign 625.131+/-837.311 χ^2/NDF: 31.8/22

All: 1055.836+/-590.849 χ^2/NDF: 44.6/46

- sign 1483.010+/-833.872 χ^2/NDF: 12.3/23

asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2629.289+/-0.802 χ^2/NDF:11992.1/6

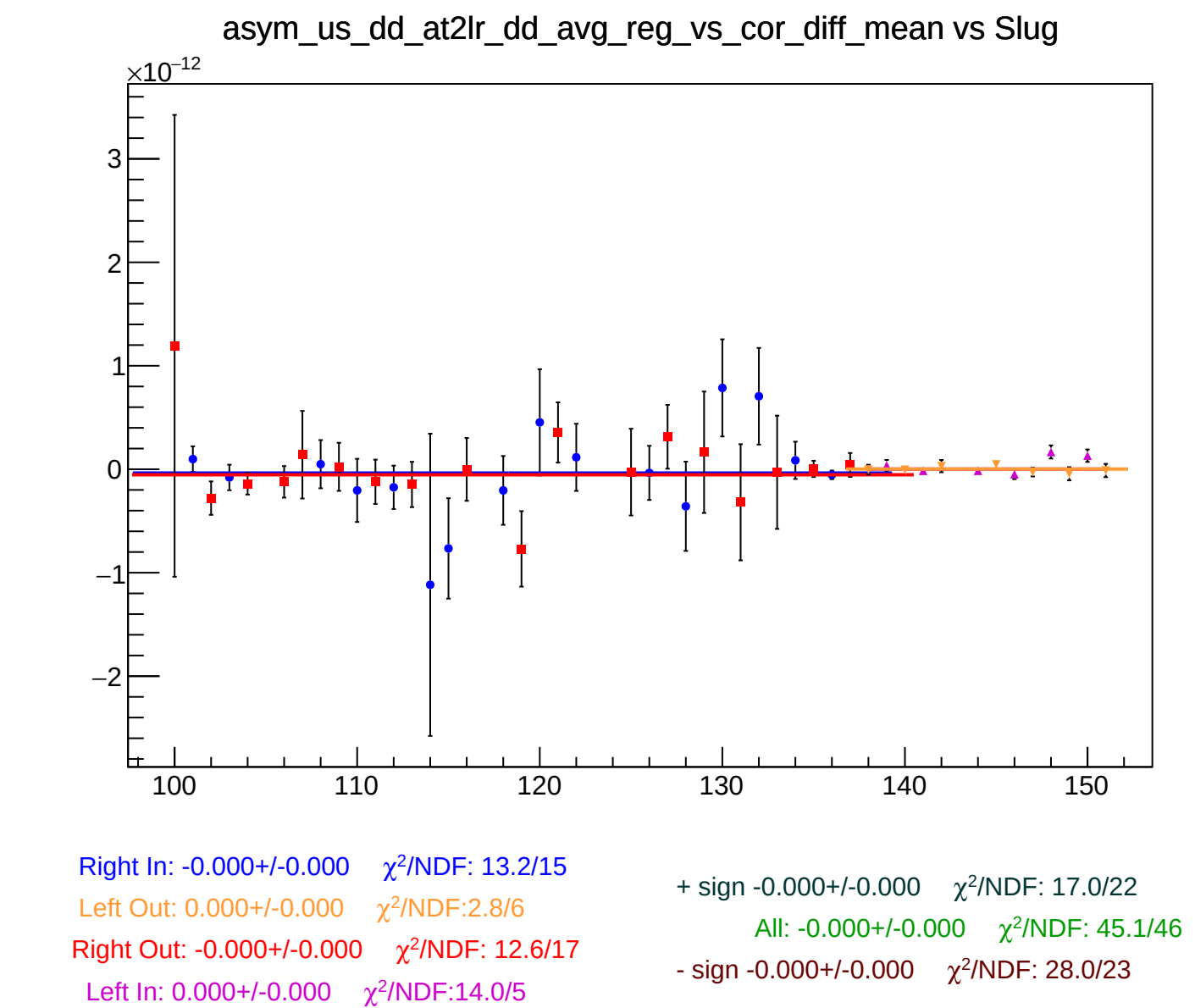
Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

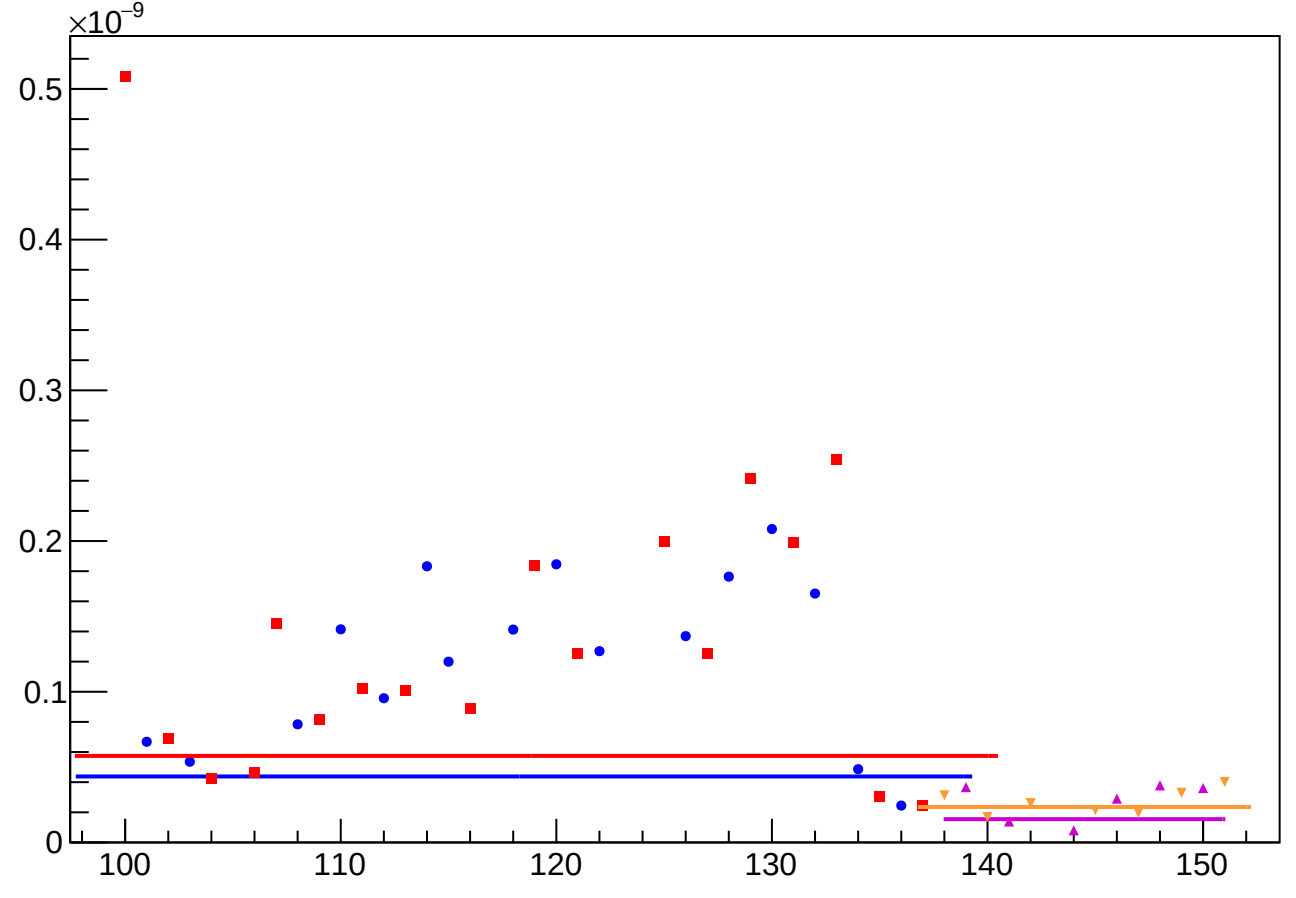
Left In: 2623.388+/-0.808 χ^2/NDF:8682.7/5

+ sign 2929.579+/-0.592 χ^2/NDF: 668070.6/22

All: 2910.713+/-0.418 χ^2/NDF: 1414646.9/46

- sign 2892.002+/-0.590 χ^2/NDF: 744554.0/23


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
Right In: -0.000+/-0.000 χ²/NDF: 13.2/15
Left Out: 0.000+/-0.000 χ²/NDF:2.8/6
Right Out: -0.000+/-0.000 χ²/NDF: 12.6/17
Left In: 0.000+/-0.000 χ²/NDF:14.0/5
+ sign -0.000+/-0.000 χ²/NDF: 17.0/22
All: -0.000+/-0.000 χ²/NDF: 45.1/46
- sign -0.000+/-0.000 χ²/NDF: 28.0/23



Right In: 0.000+/-0.000 χ^2/NDF: 2227887.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:348821.9/6

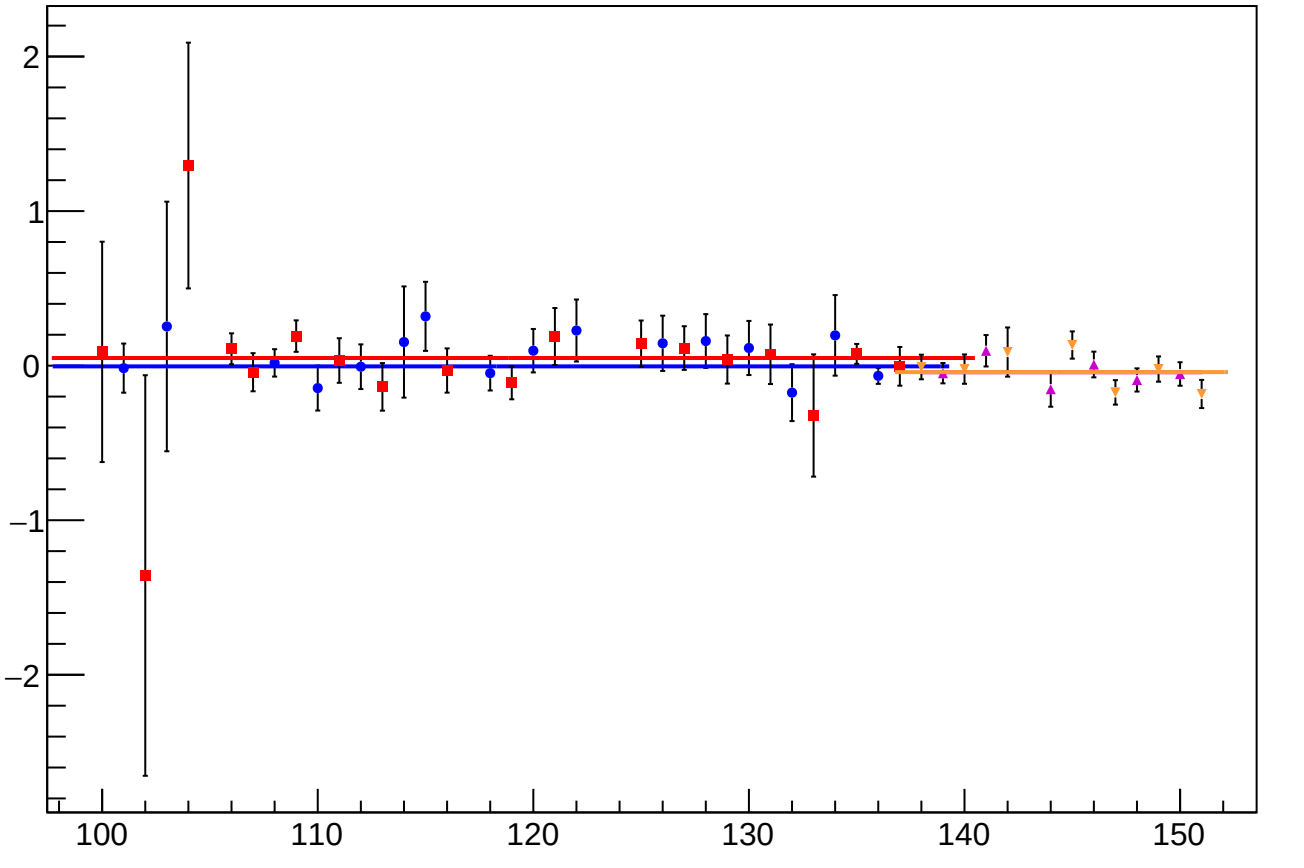
Right Out: 0.000+/-0.000 χ^2/NDF: 2086696.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1307821.2/5

+ sign 0.000+/-0.000 χ^2/NDF: 3137127.5/22

All: 0.000+/-0.000 χ^2/NDF: 8598178.7/46

- sign 0.000+/-0.000 χ^2/NDF: 5106386.2/23



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.042+/-0.034 χ^2/NDF:10.0/6

Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

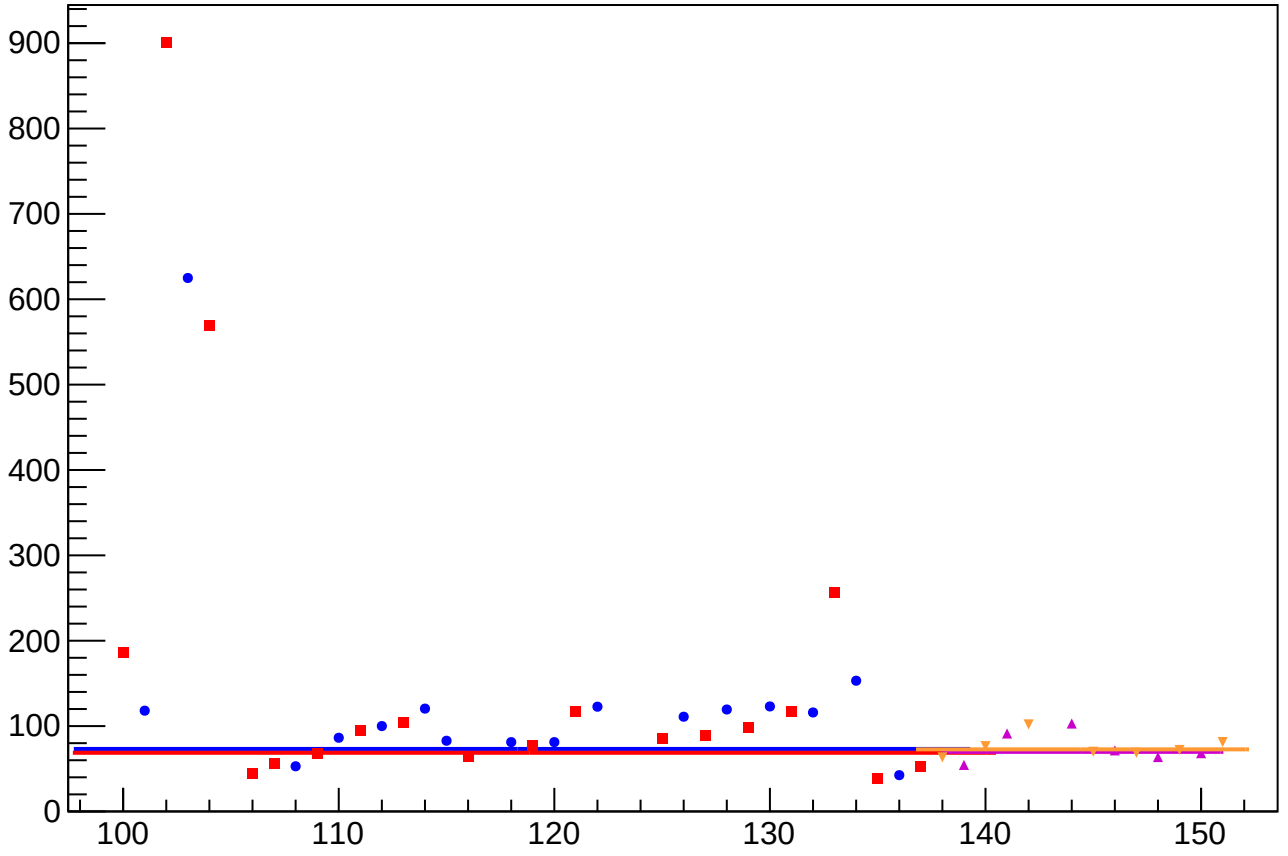
Left In: -0.043+/-0.033 χ^2/NDF:3.6/5

+ sign -0.022+/-0.023 χ^2/NDF: 21.0/22

All: -0.008+/-0.016 χ^2/NDF: 42.4/46

- sign 0.006+/-0.023 χ^2/NDF: 20.7/23

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: 72.738+/-0.024 χ^2/NDF:123334.1/6

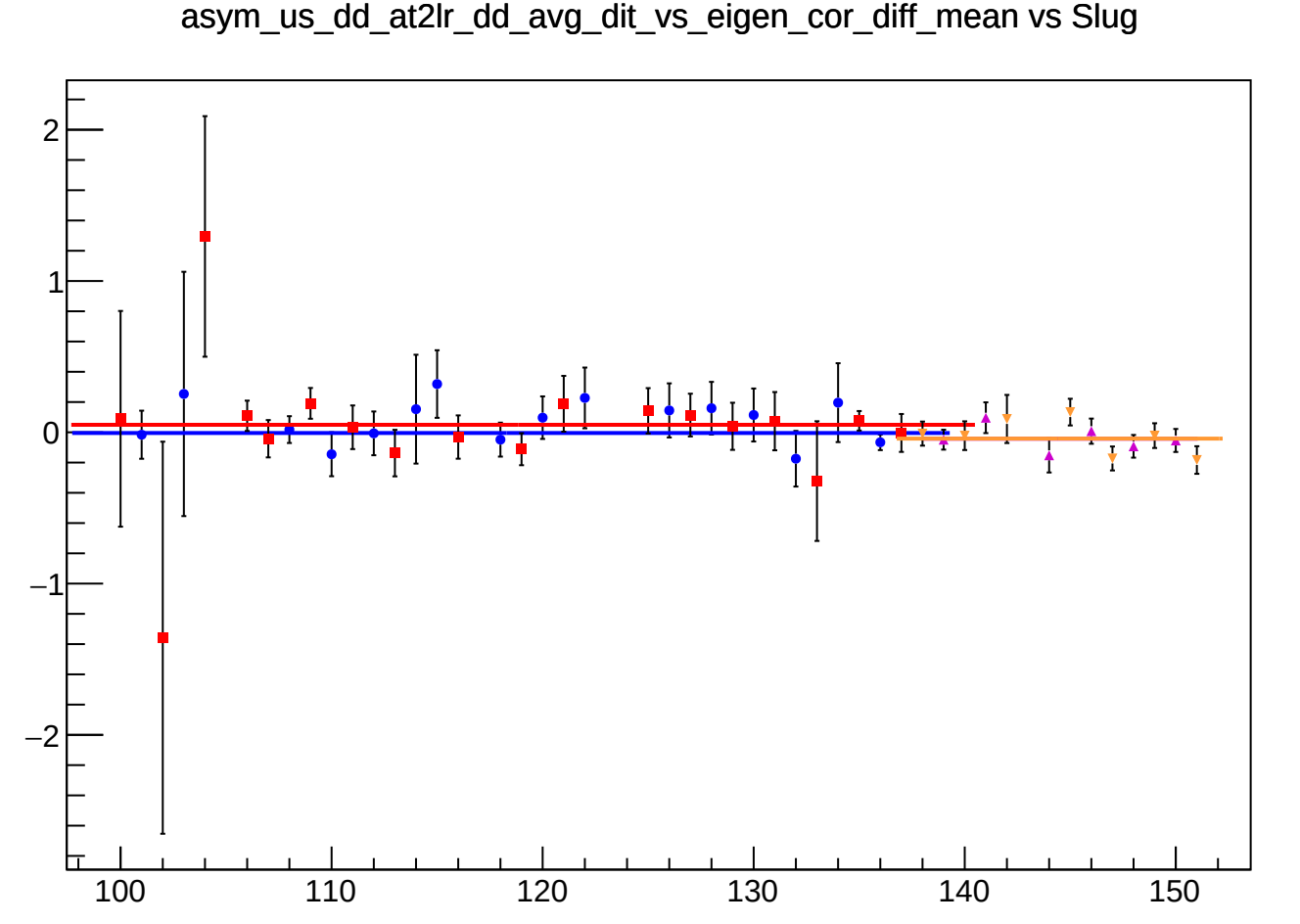
Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 69.816+/-0.024 χ^2/NDF:383435.0/5

+ sign 72.999+/-0.017 χ^2/NDF: 2978160.5/22

All: 71.086+/-0.012 χ^2/NDF: 6720770.5/46

- sign 69.242+/-0.016 χ^2/NDF: 3716308.9/23



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.042+/-0.034 χ^2/NDF:10.0/6

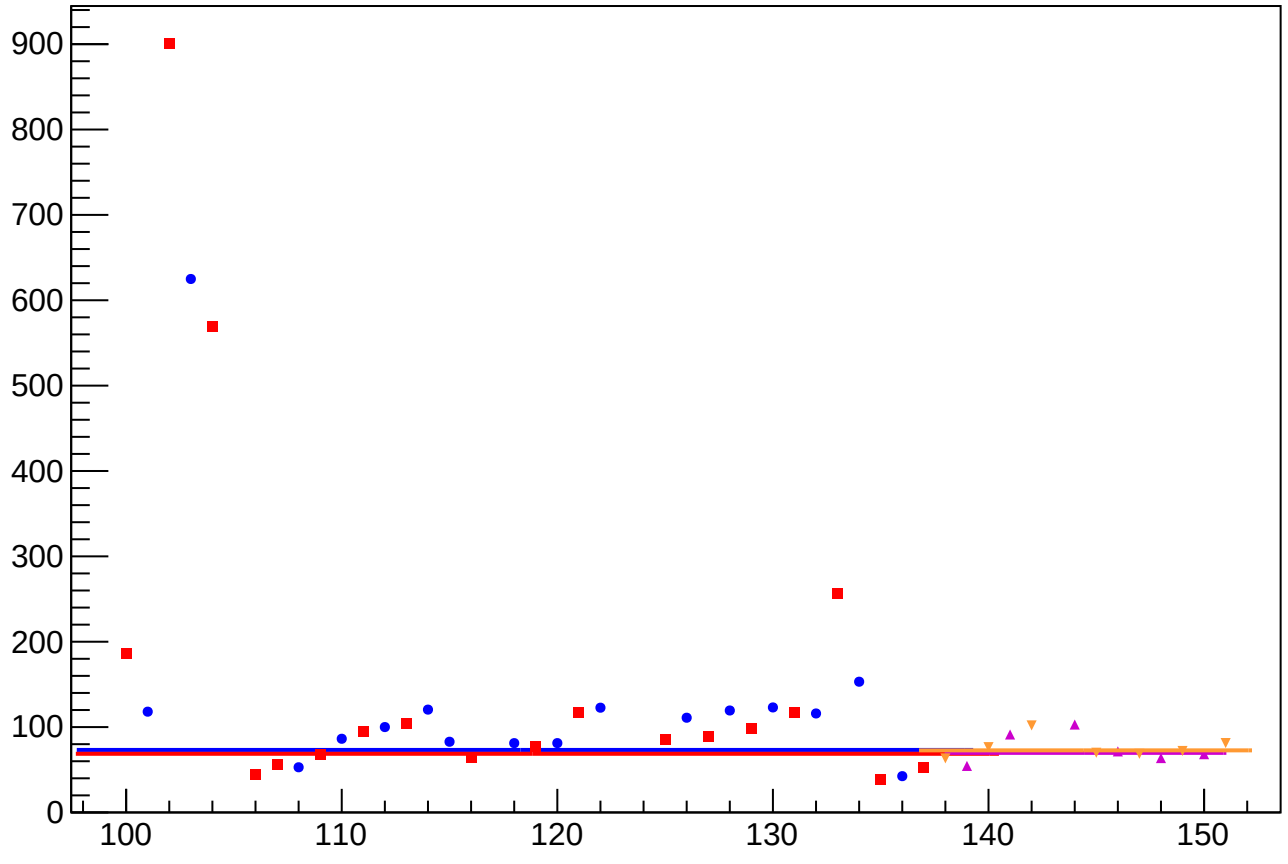
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.043+/-0.033 χ^2/NDF:3.6/5

+ sign -0.022+/-0.023 χ^2/NDF: 21.0/22

All: -0.008+/-0.016 χ^2/NDF: 42.4/46

- sign 0.006+/-0.023 χ^2/NDF: 20.7/23



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 72.738+/-0.024 χ^2/NDF:123334.1/6

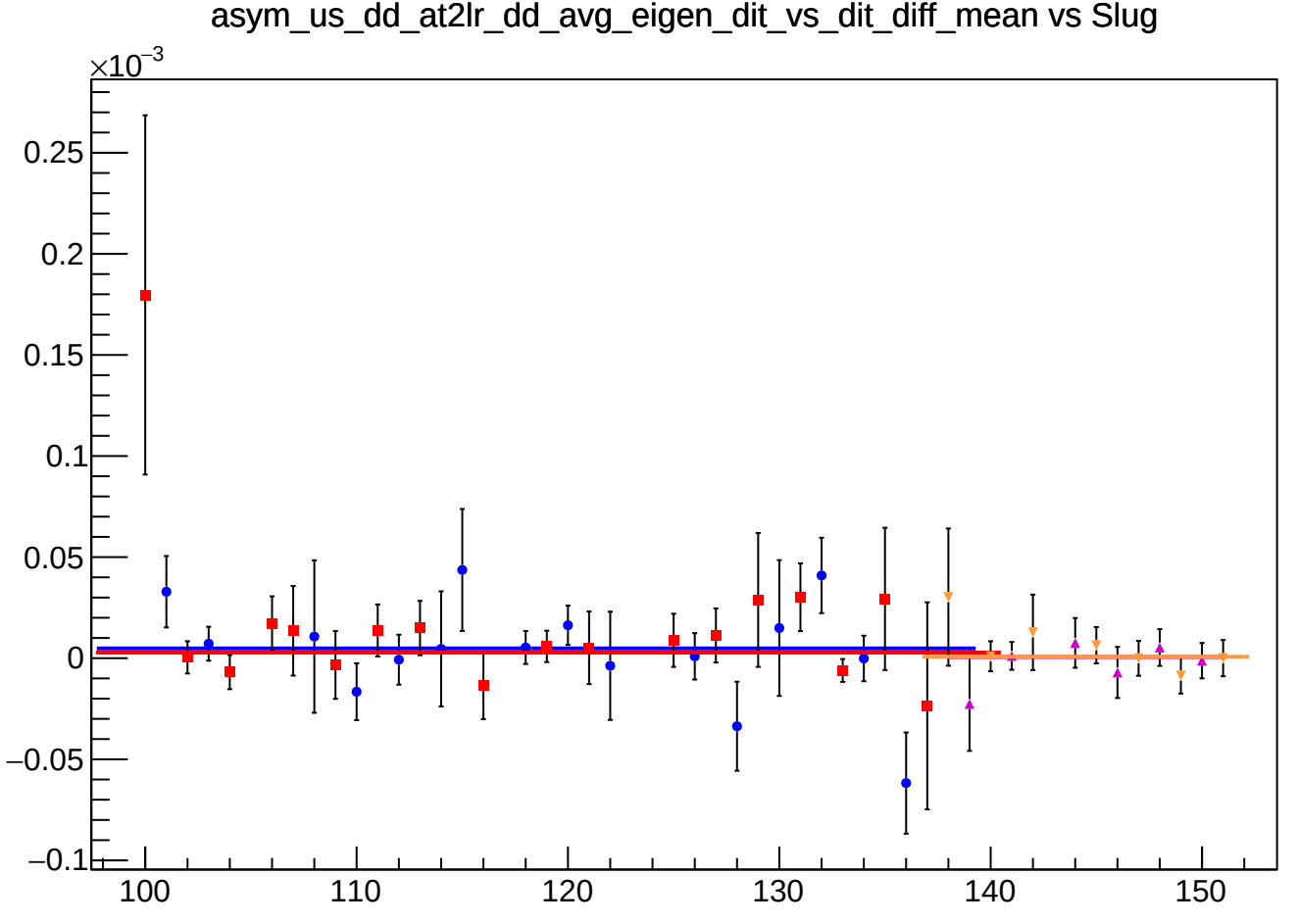
Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 69.816+/-0.024 χ^2/NDF:383435.0/5

+ sign 72.999+/-0.017 χ^2/NDF: 2978160.5/22

All: 71.086+/-0.012 χ^2/NDF: 6720770.5/46

- sign 69.242+/-0.016 χ^2/NDF: 3716308.9/23



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.7/6

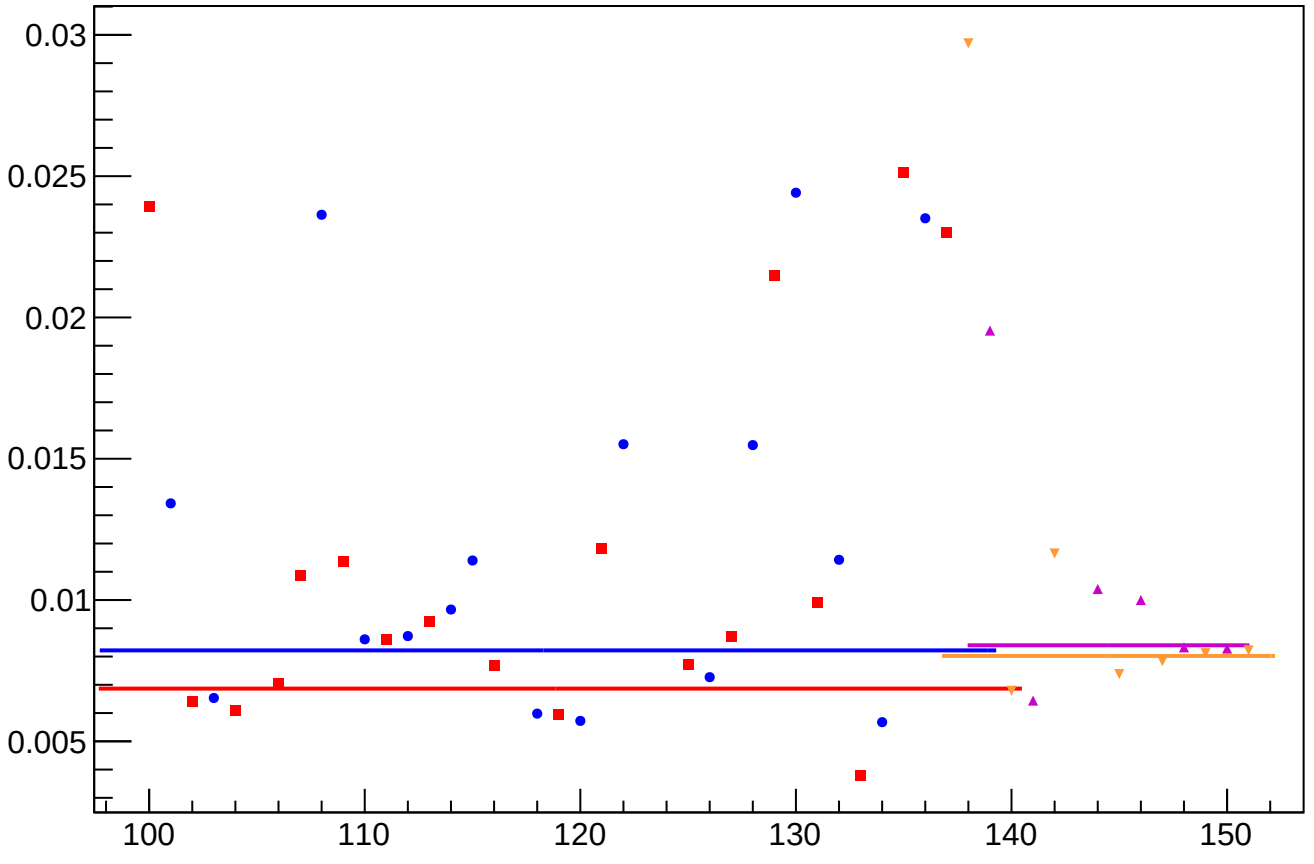
Right Out: 0.000+/-0.000 χ^2/NDF: 16.8/17

Left In: 0.000+/-0.000 χ^2/NDF:2.0/5

+ sign 0.000+/-0.000 χ^2/NDF: 25.9/22

All: 0.000+/-0.000 χ^2/NDF: 45.0/46

- sign 0.000+/-0.000 χ^2/NDF: 19.0/23



Right In: 0.008+/-0.000 χ^2/NDF: 2656170.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:959476.1/6

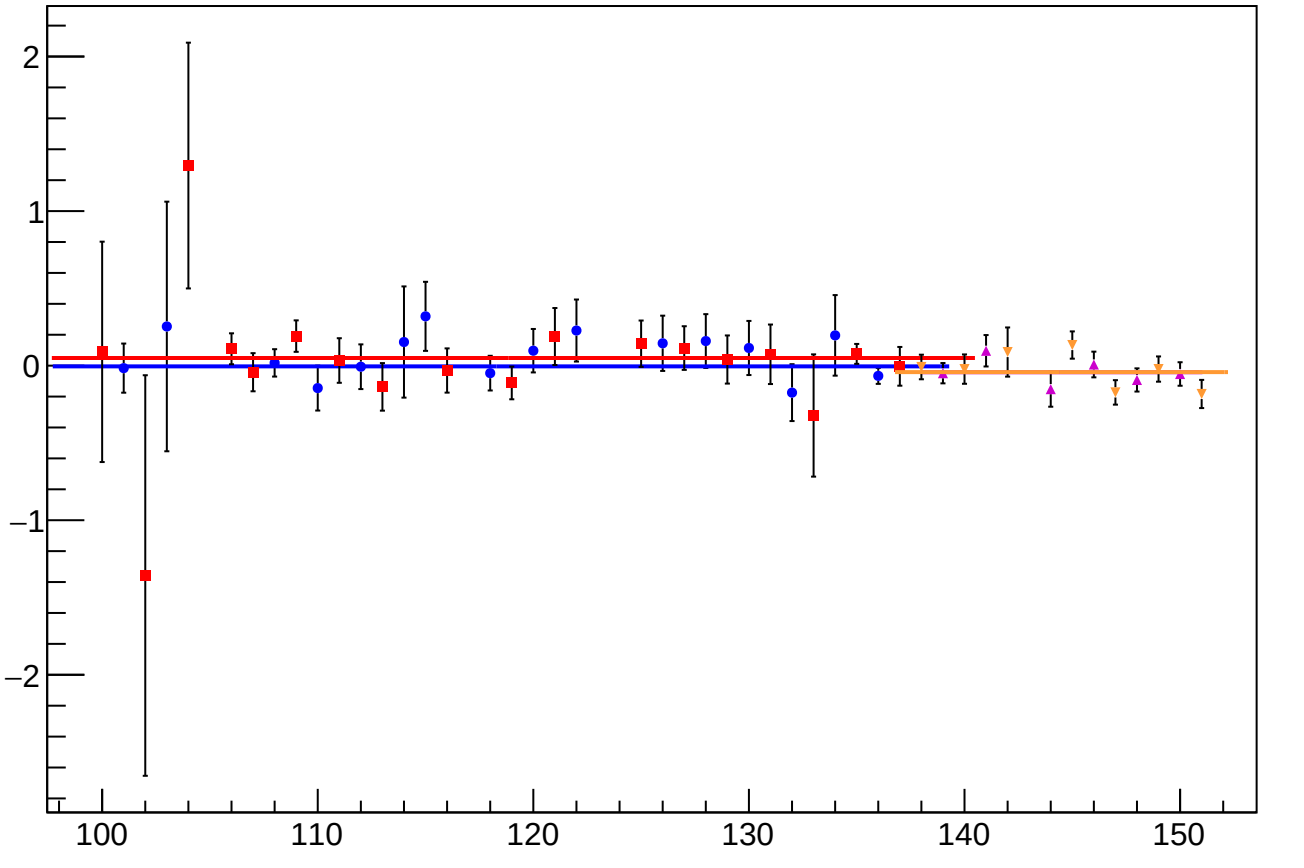
Right Out: 0.007+/-0.000 χ^2/NDF: 2426444.0/17

Left In: 0.008+/-0.000 χ^2/NDF:706915.3/5

+ sign 0.008+/-0.000 χ^2/NDF: 3618620.1/22

All: 0.008+/-0.000 χ^2/NDF: 7040839.8/46

- sign 0.007+/-0.000 χ^2/NDF: 3325965.2/23



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.042+/-0.034 χ^2/NDF:10.0/6

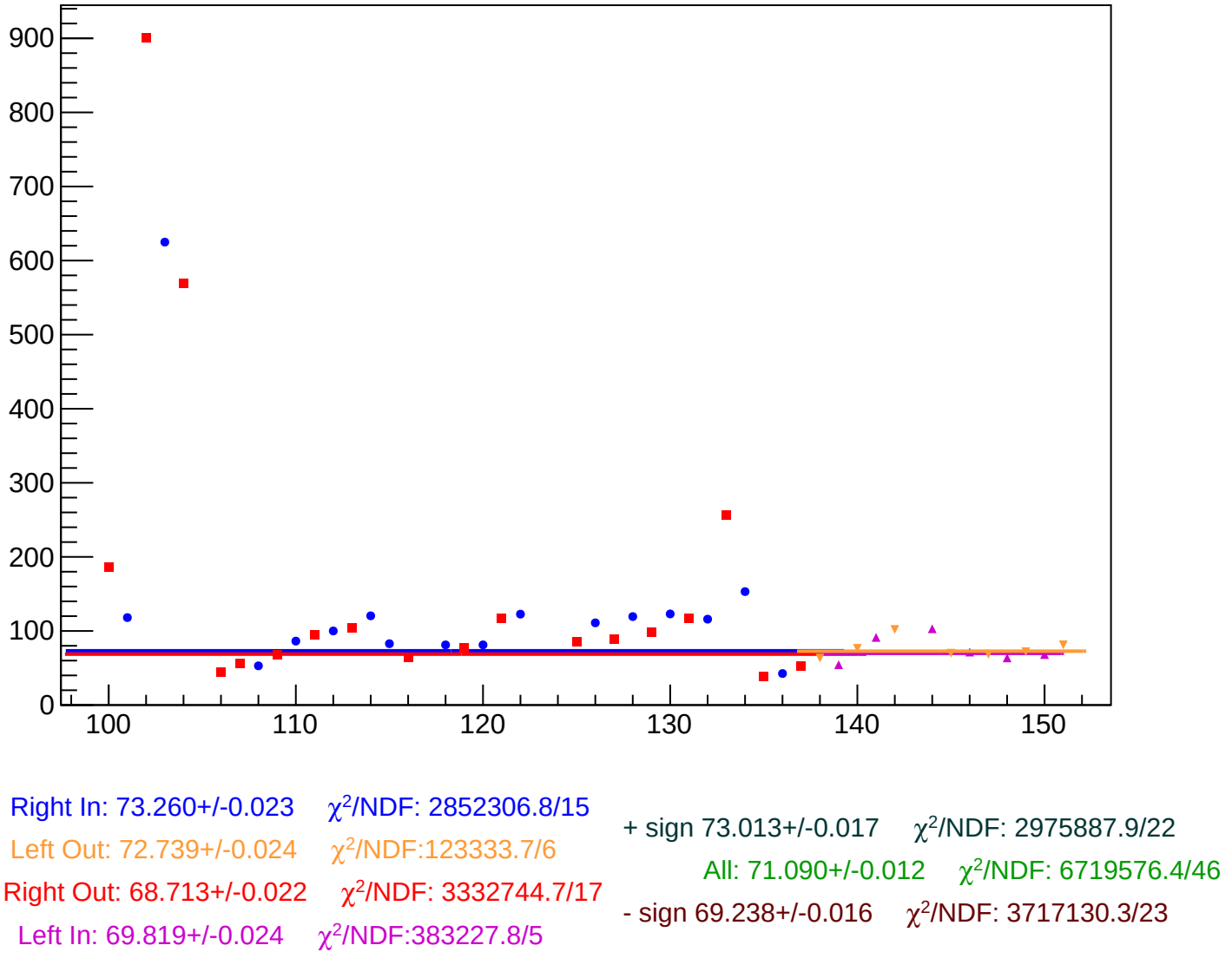
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.043+/-0.033 χ^2/NDF:3.6/5

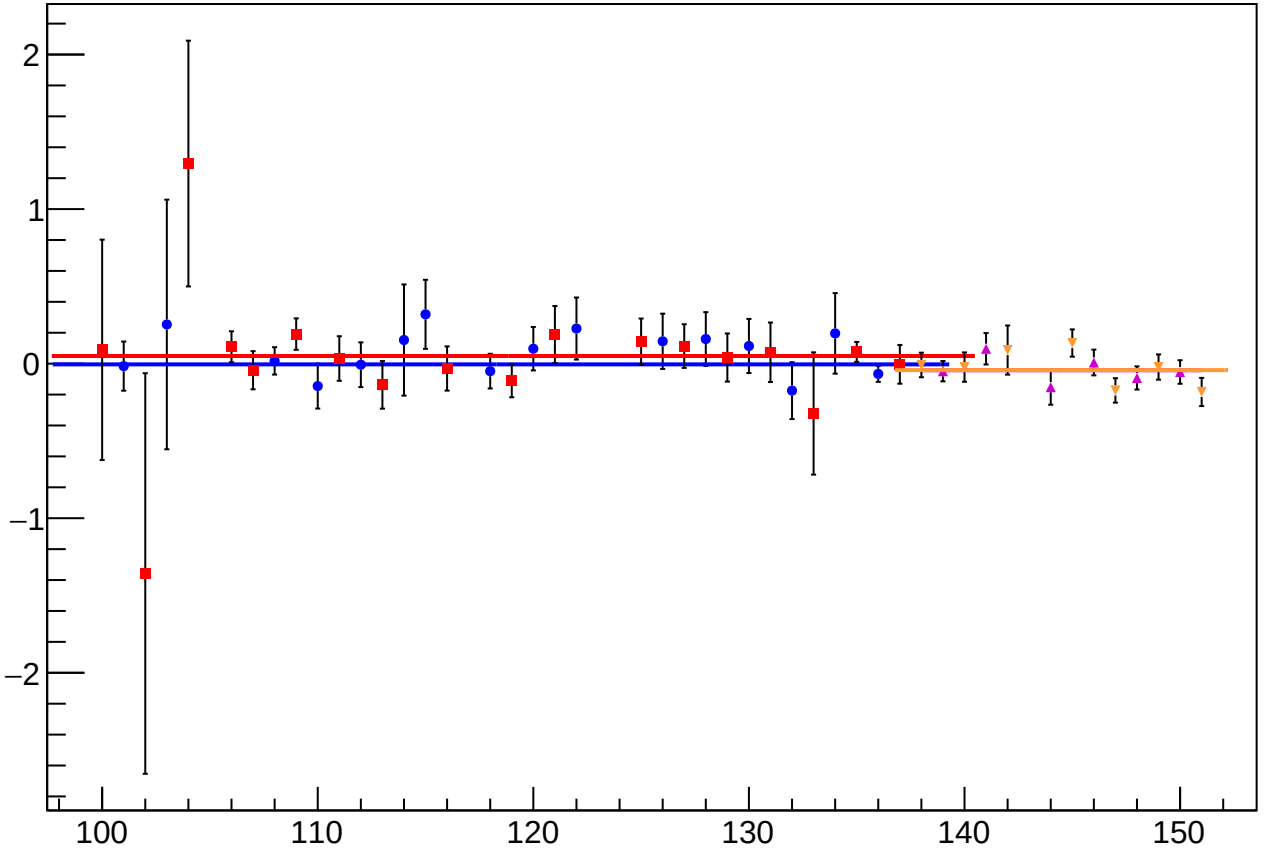
+ sign -0.022+/-0.023 χ^2/NDF: 21.0/22

All: -0.008+/-0.016 χ^2/NDF: 42.4/46

- sign 0.006+/-0.023 χ^2/NDF: 20.7/23


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
Right In: 73.260+/-0.023 χ²/NDF: 2852306.8/15
Left Out: 72.739+/-0.024 χ²/NDF:123333.7/6
Right Out: 68.713+/-0.022 χ²/NDF: 3332744.7/17
Left In: 69.819+/-0.024 χ²/NDF:383227.8/5
+ sign 73.013+/-0.017 χ²/NDF: 2975887.9/22
All: 71.090+/-0.012 χ²/NDF: 6719576.4/46
- sign 69.238+/-0.016 χ²/NDF: 3717130.3/23

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.042+/-0.034 χ^2/NDF:10.0/6

Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

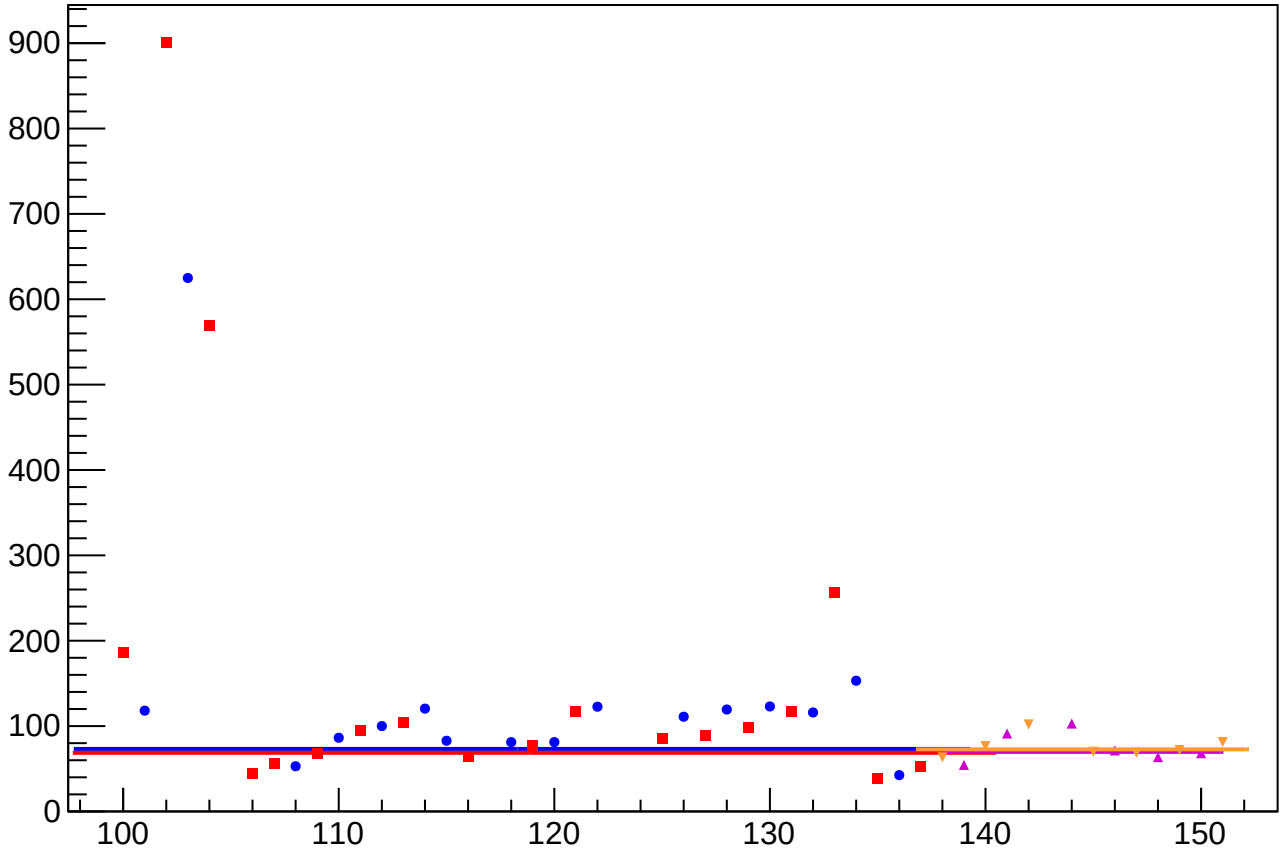
Left In: -0.043+/-0.033 χ^2/NDF:3.6/5

+ sign -0.022+/-0.023 χ^2/NDF: 21.0/22

All: -0.008+/-0.016 χ^2/NDF: 42.4/46

- sign 0.006+/-0.023 χ^2/NDF: 20.7/23

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 72.739+/-0.024 χ^2/NDF:123333.7/6

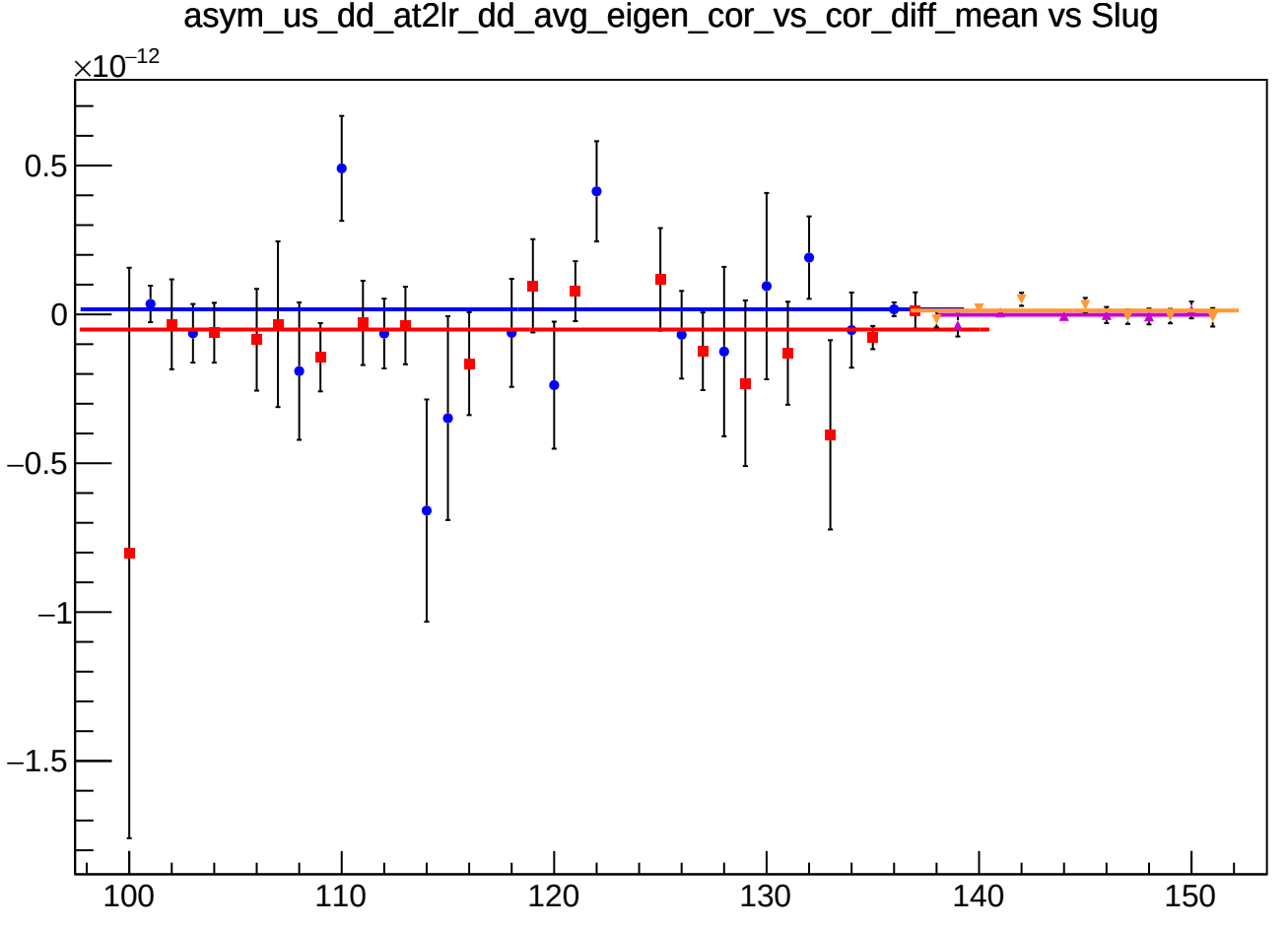
Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 69.819+/-0.024 χ^2/NDF:383227.8/5

+ sign 73.013+/-0.017 χ^2/NDF: 2975887.9/22

All: 71.090+/-0.012 χ^2/NDF: 6719576.4/46

- sign 69.238+/-0.016 χ^2/NDF: 3717130.3/23



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.7/6

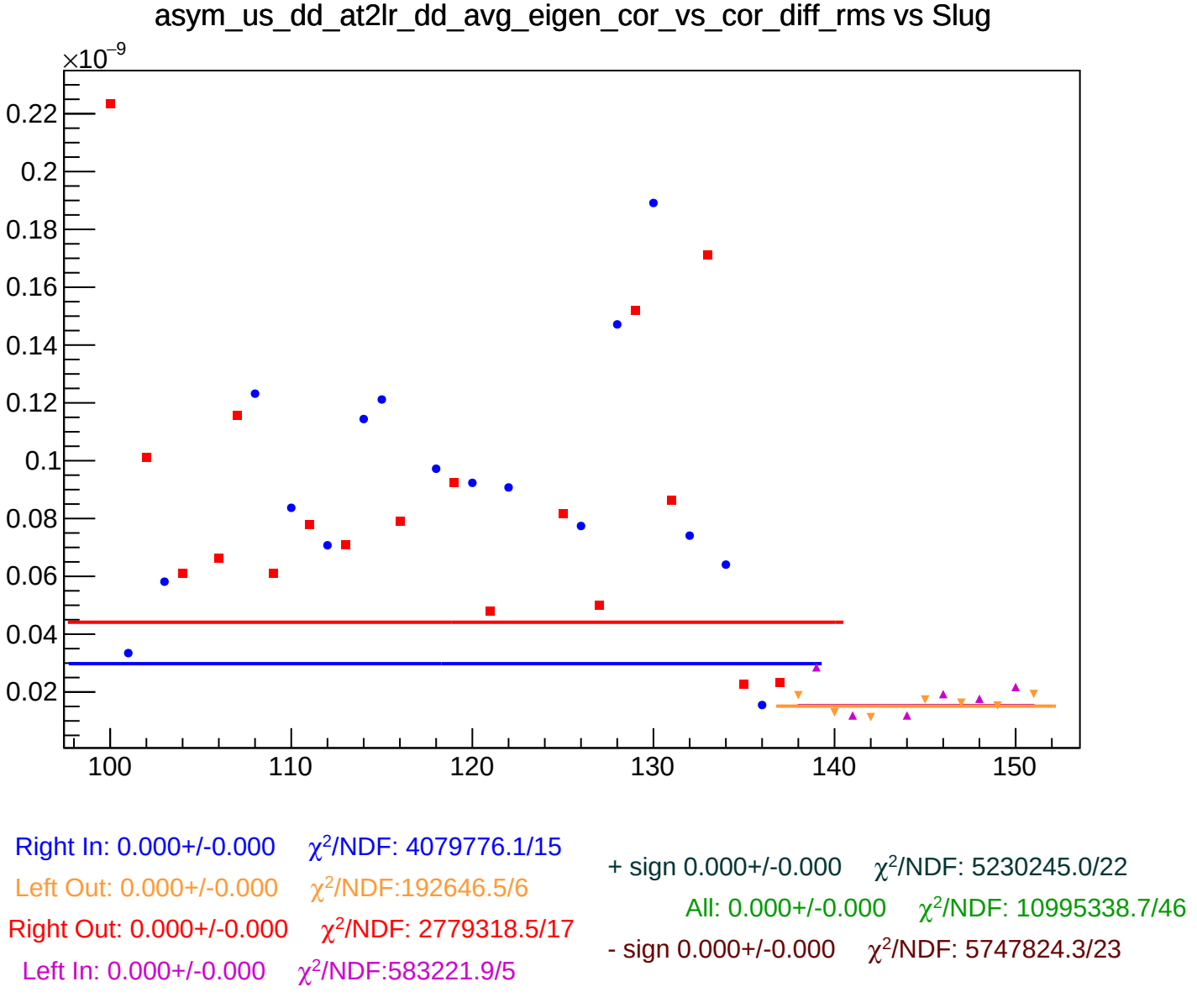
Right Out: -0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: -0.000+/-0.000 χ^2/NDF:1.5/5

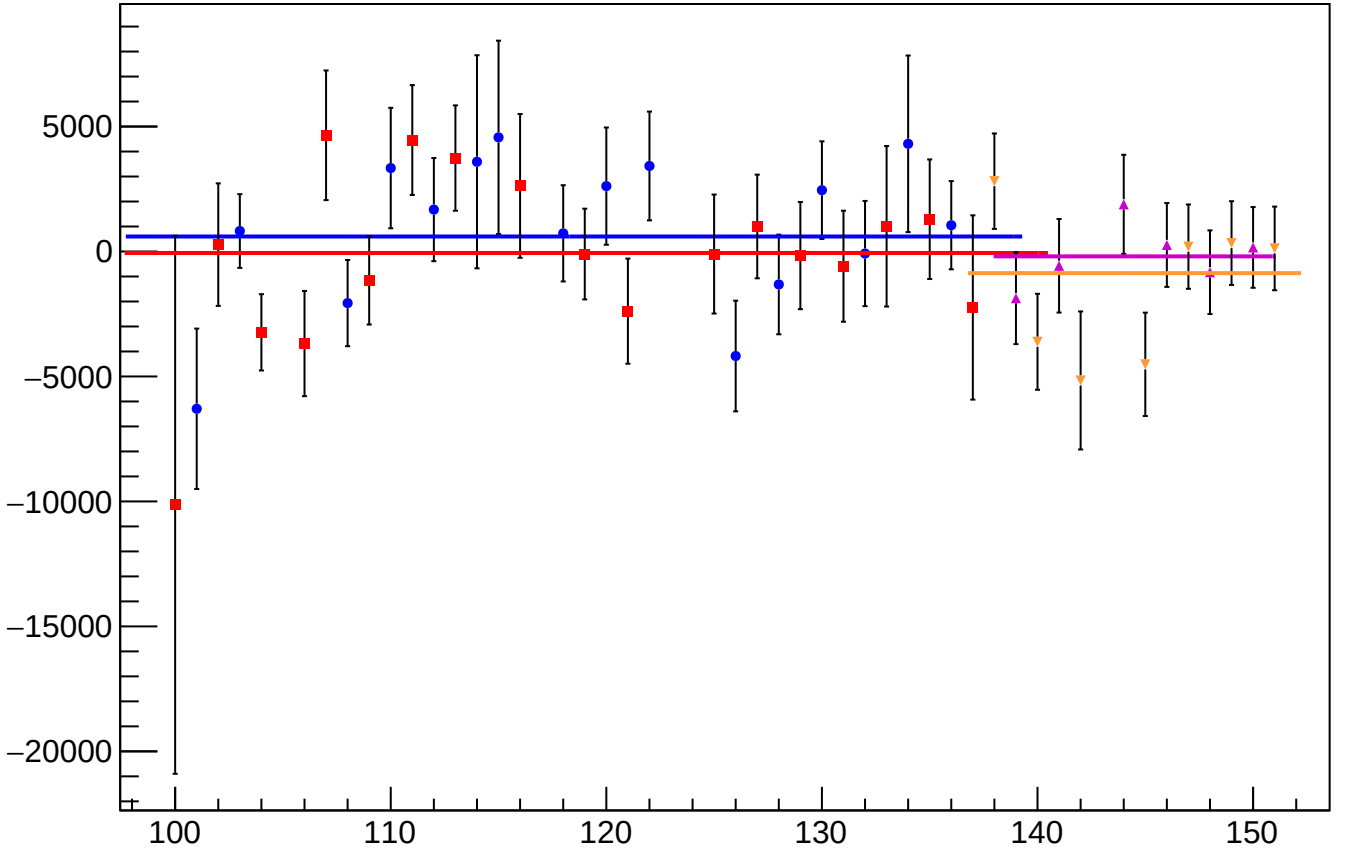
+ sign 0.000+/-0.000 χ^2/NDF: 30.1/22

All: 0.000+/-0.000 χ^2/NDF: 47.5/46

- sign -0.000+/-0.000 χ^2/NDF: 14.1/23


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
Right In: 0.000+/-0.000 χ²/NDF: 4079776.1/15
Left Out: 0.000+/-0.000 χ²/NDF:192646.5/6
Right Out: 0.000+/-0.000 χ²/NDF: 2779318.5/17
Left In: 0.000+/-0.000 χ²/NDF:583221.9/5
+ sign 0.000+/-0.000 χ²/NDF: 5230245.0/22
All: 0.000+/-0.000 χ²/NDF: 10995338.7/46
- sign 0.000+/-0.000 χ²/NDF: 5747824.3/23

reg_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 600.146+/-540.053 χ^2/NDF: 20.3/15

Left Out: -864.992+/-711.494 χ^2/NDF:12.6/6

Right Out: -59.091+/-530.206 χ^2/NDF: 22.5/17

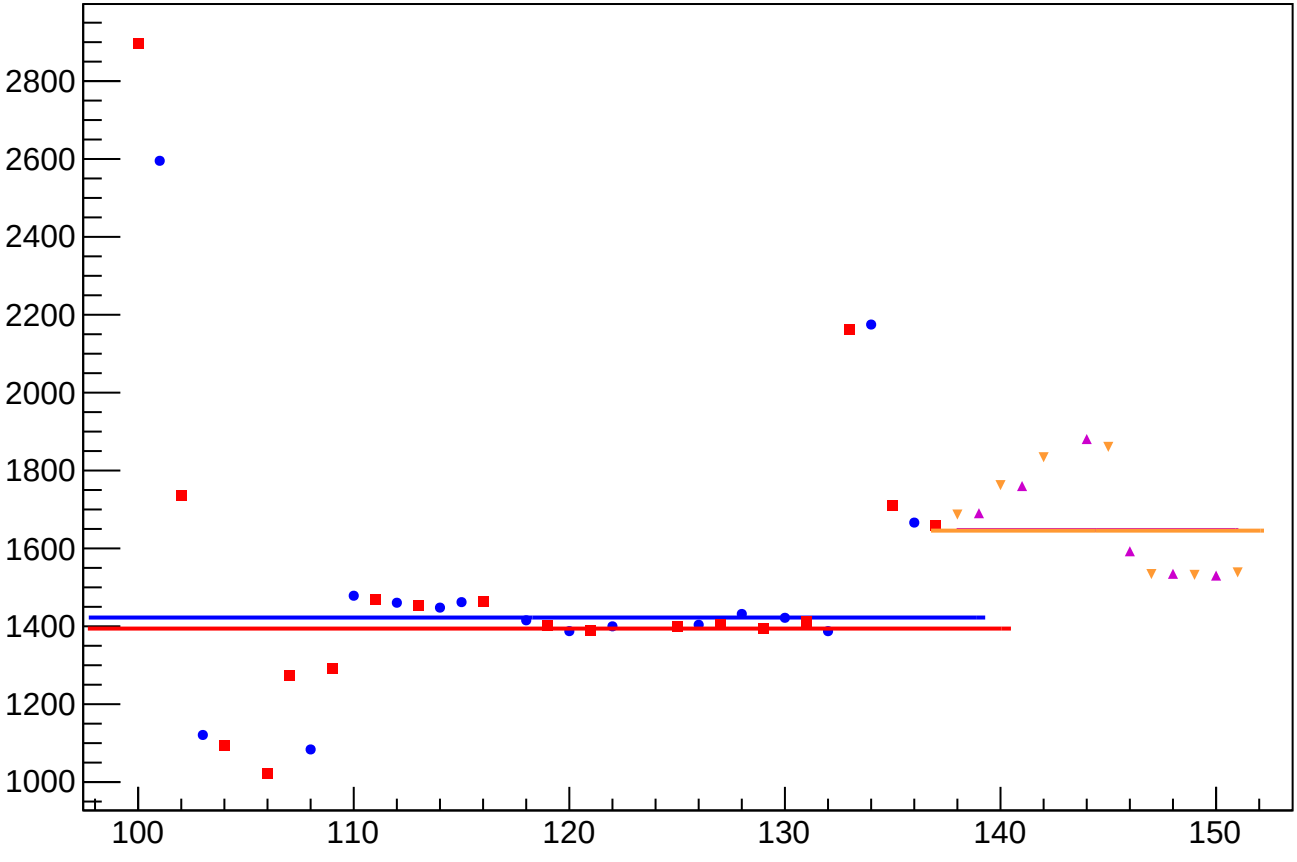
Left In: -194.853+/-719.511 χ^2/NDF:2.2/5

+ sign 64.580+/-430.169 χ^2/NDF: 35.6/22

All: -21.811+/-302.989 χ^2/NDF: 60.5/46

- sign -106.868+/-426.834 χ^2/NDF: 24.8/23

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1645.683+/-0.503 χ^2/NDF:65441.4/6

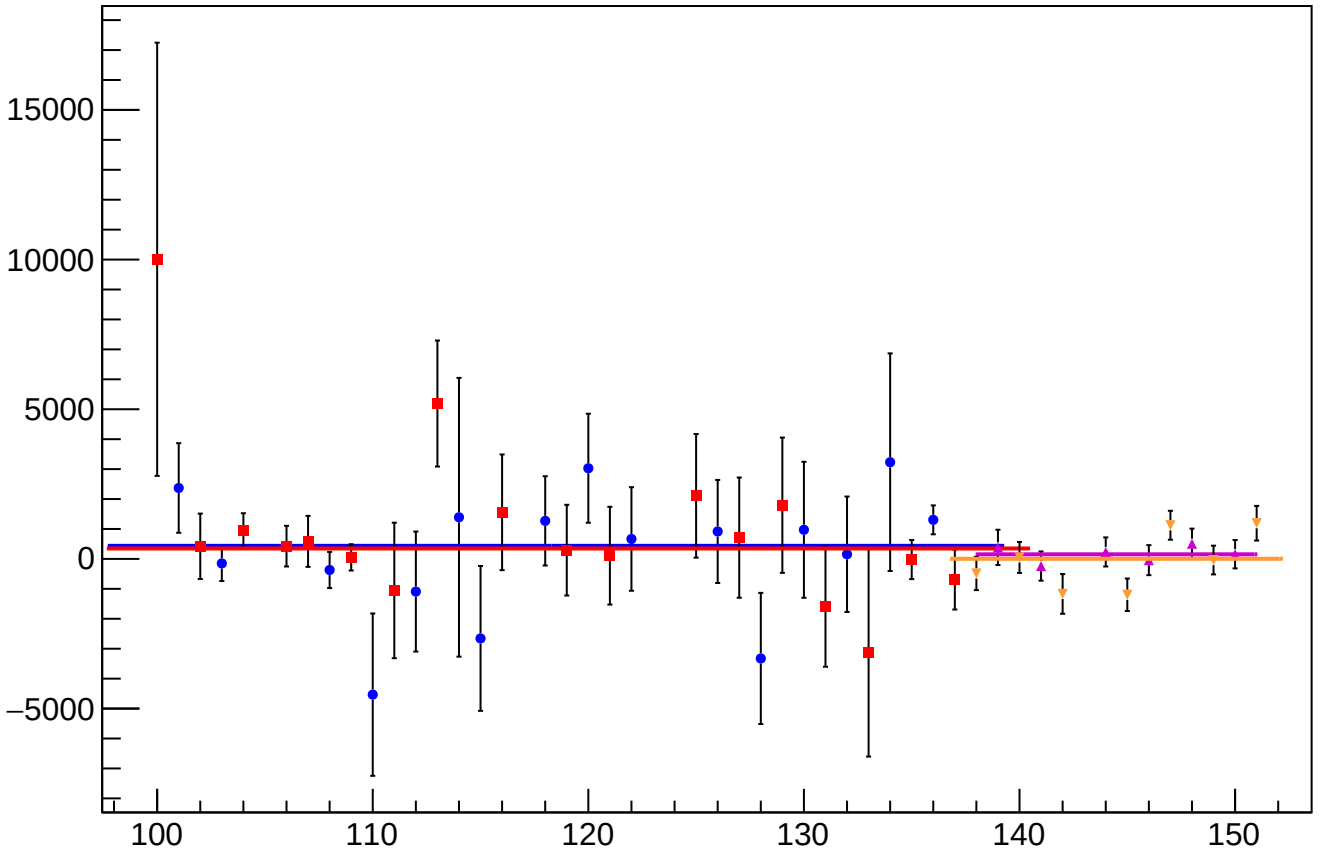
Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1647.323+/-0.509 χ^2/NDF:57797.8/5

+ sign 1504.092+/-0.304 χ^2/NDF: 750541.9/22

All: 1493.595+/-0.214 χ^2/NDF: 1364822.8/46

- sign 1483.260+/-0.302 χ^2/NDF: 611917.4/23



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: 4.325+/-203.044 χ^2/NDF:18.4/6

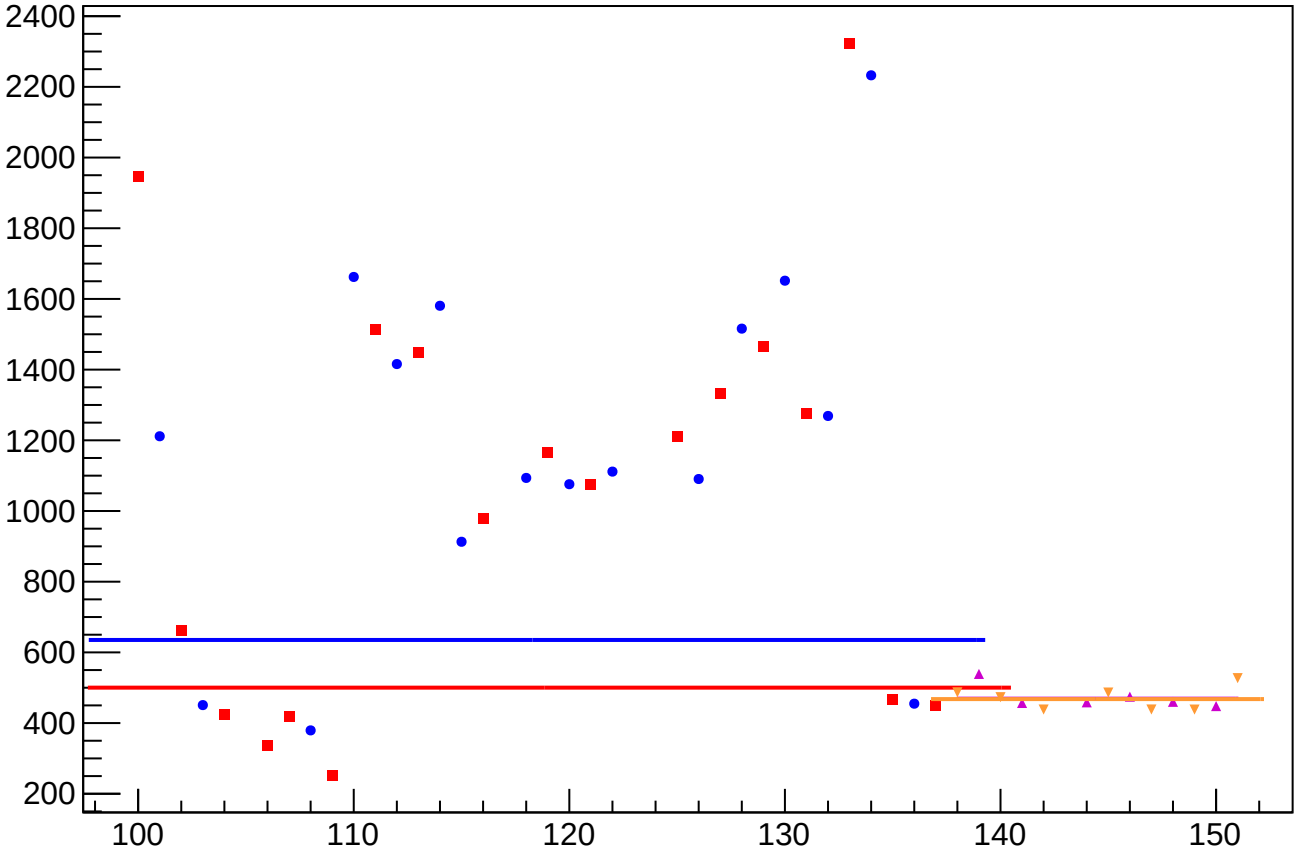
Right Out: 348.567+/-233.745 χ^2/NDF: 13.9/17

Left In: 153.311+/-205.334 χ^2/NDF:1.5/5

\+ sign 156.149+/-163.536 χ^2/NDF: 39.4/22

All: 199.649+/-112.216 χ^2/NDF: 55.3/46

\- sign 238.358+/-154.265 χ^2/NDF: 15.8/23



Right In: 635.135+/-0.195 χ^2/NDF: 3752583.4/15

Left Out: 467.846+/-0.144 χ^2/NDF:44943.2/6

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

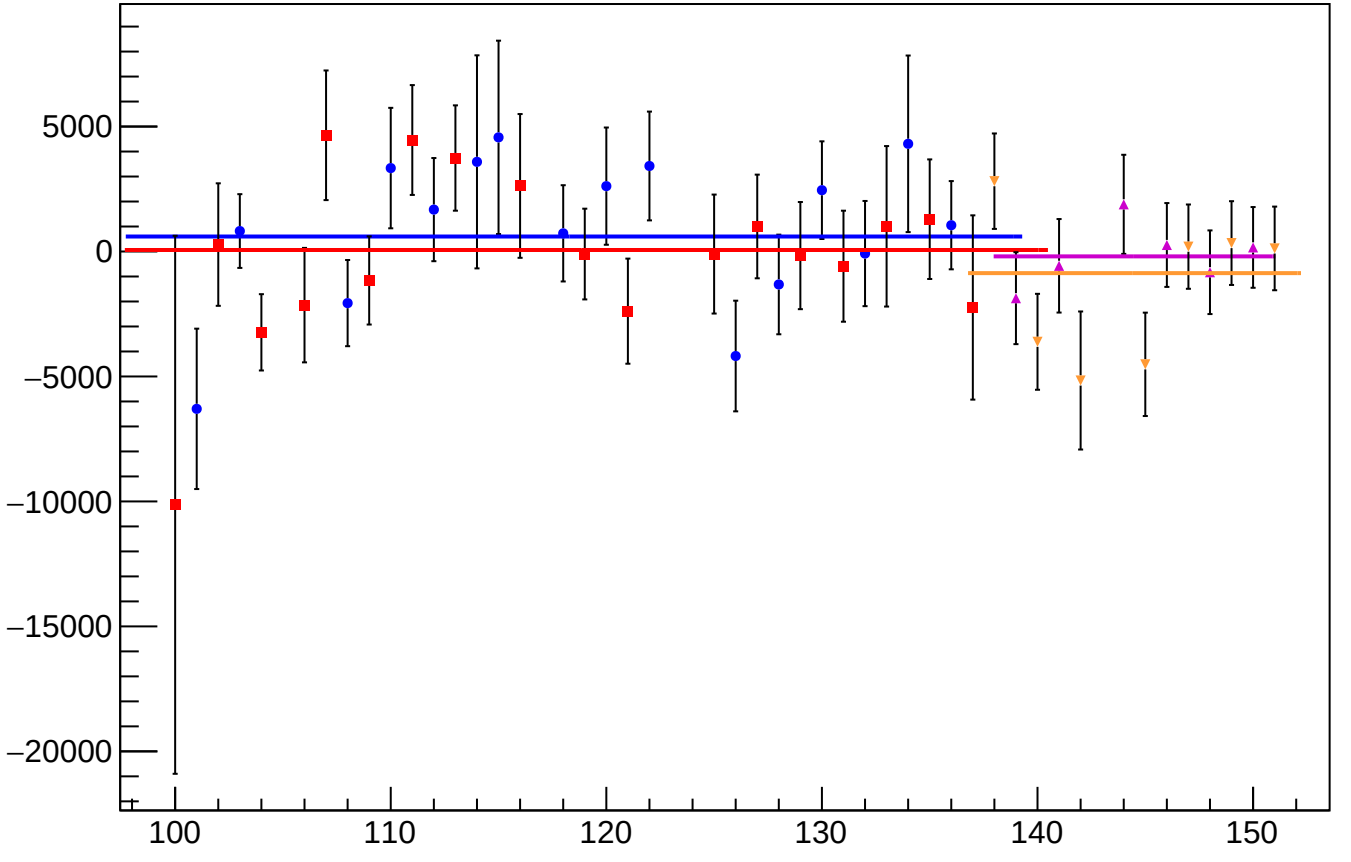
Left In: 469.074+/-0.145 χ^2/NDF:35164.7/5

+ sign 526.614+/-0.116 χ^2/NDF: 4274456.5/22

All: 503.348+/-0.079 χ^2/NDF: 8715274.4/46

- sign 482.645+/-0.109 χ^2/NDF: 4364316.1/23

cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -865.083+/-711.494 χ^2/NDF:12.6/6

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

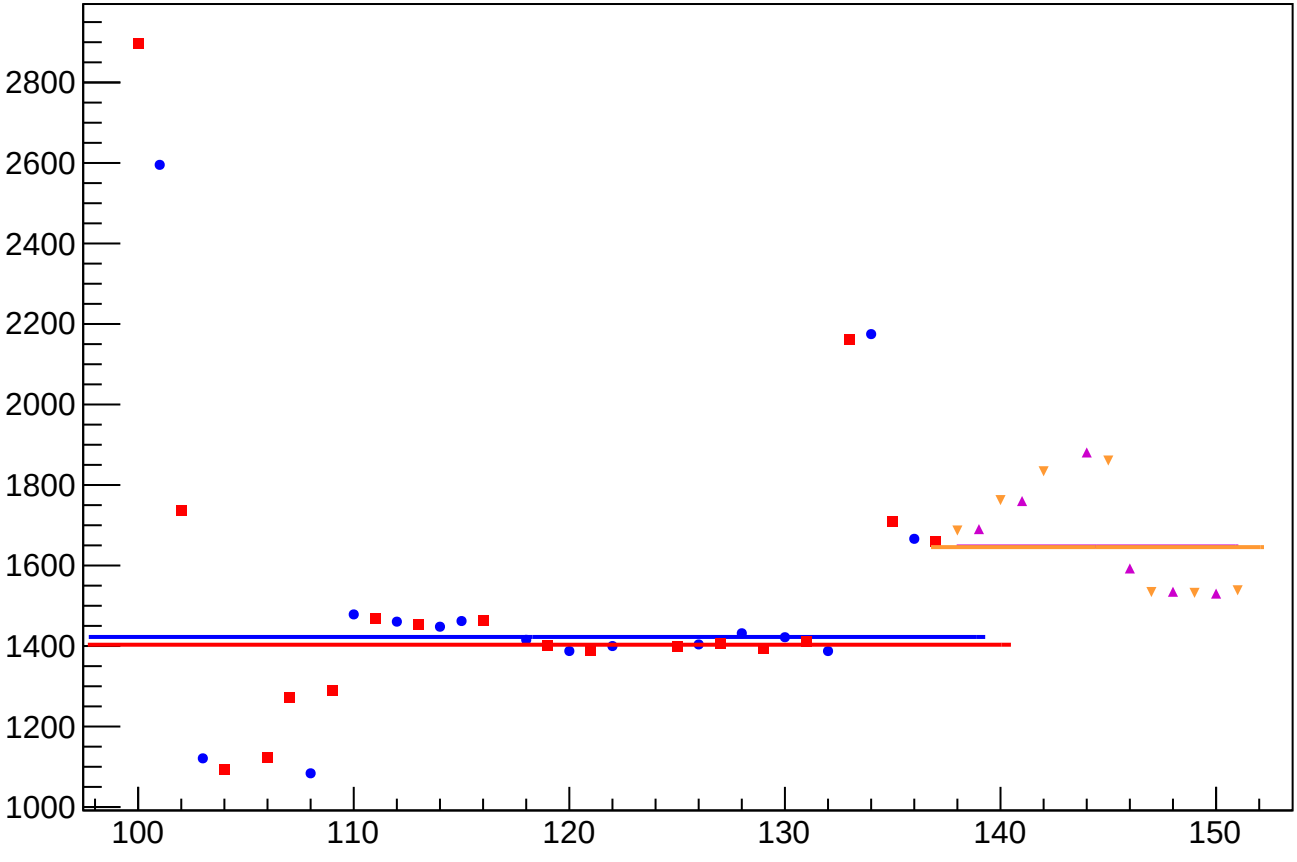
Left In: -194.849+/-719.511 χ^2/NDF:2.2/5

+ sign 64.466+/-430.169 χ^2/NDF: 35.6/22

All: 17.003+/-303.476 χ^2/NDF: 58.3/46

- sign -30.027+/-428.198 χ^2/NDF: 22.7/23

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1645.683+/-0.503 χ^2/NDF:65441.4/6

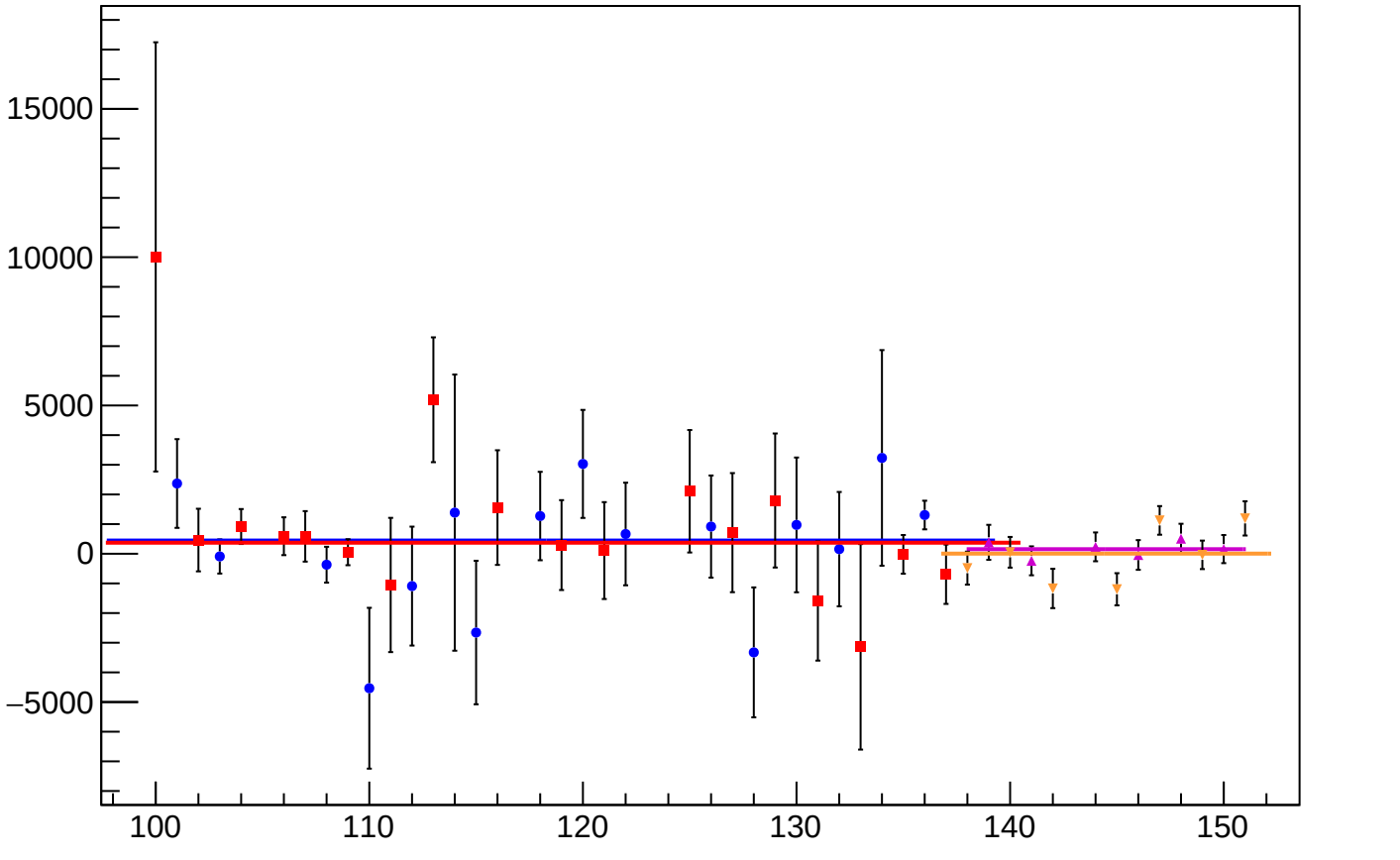
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1647.323+/-0.509 χ^2/NDF:57797.8/5

+ sign 1504.092+/-0.304 χ^2/NDF: 750542.3/22

All: 1496.850+/-0.215 χ^2/NDF: 1317251.4/46

- sign 1489.674+/-0.303 χ^2/NDF: 565580.6/23



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 4.330+/-203.048 χ^2/NDF:18.4/6

Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

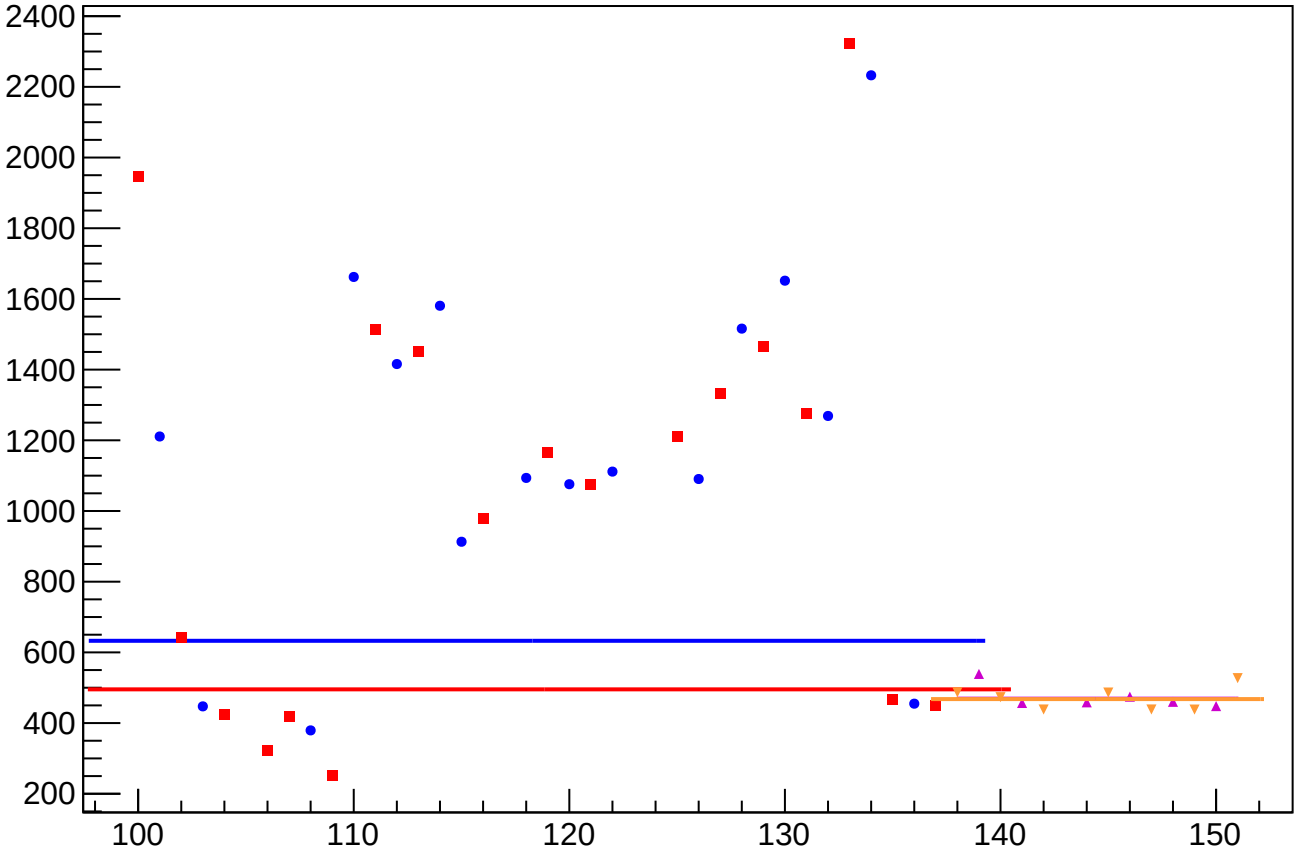
Left In: 153.437+/-205.332 χ^2/NDF:1.5/5

\+ sign 160.044+/-163.292 χ^2/NDF: 39.3/22

All: 207.767+/-111.870 χ^2/NDF: 55.4/46

\- sign 249.978+/-153.571 χ^2/NDF: 16.0/23

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 467.857+/-0.144 χ^2/NDF:44919.0/6

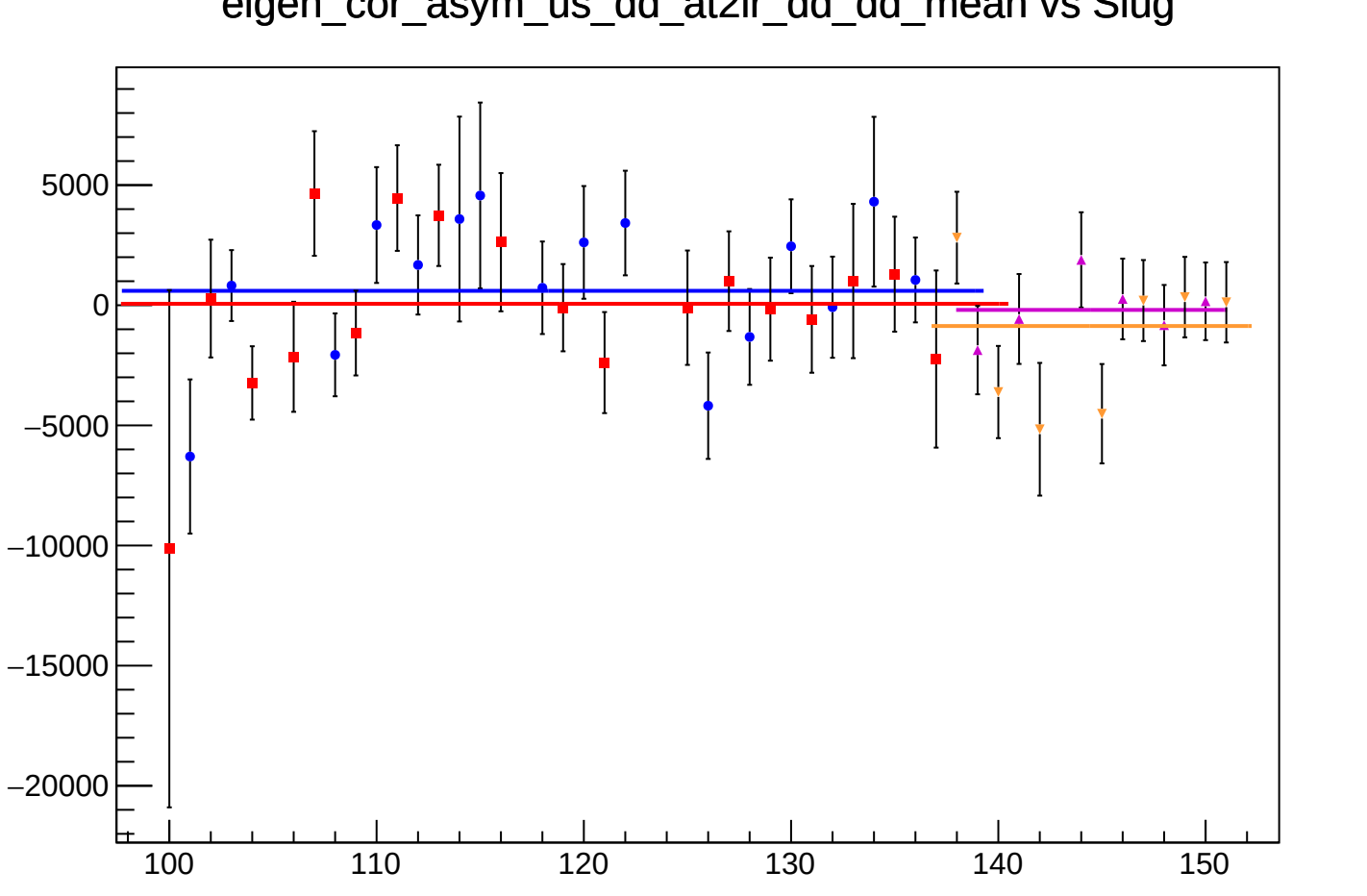
Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 469.067+/-0.145 χ^2/NDF:35167.7/5

+ sign 526.108+/-0.115 χ^2/NDF: 4278604.8/22

All: 501.992+/-0.079 χ^2/NDF: 8747940.0/46

- sign 480.661+/-0.109 χ^2/NDF: 4387124.8/23



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -865.083+/-711.494 χ^2/NDF:12.6/6

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

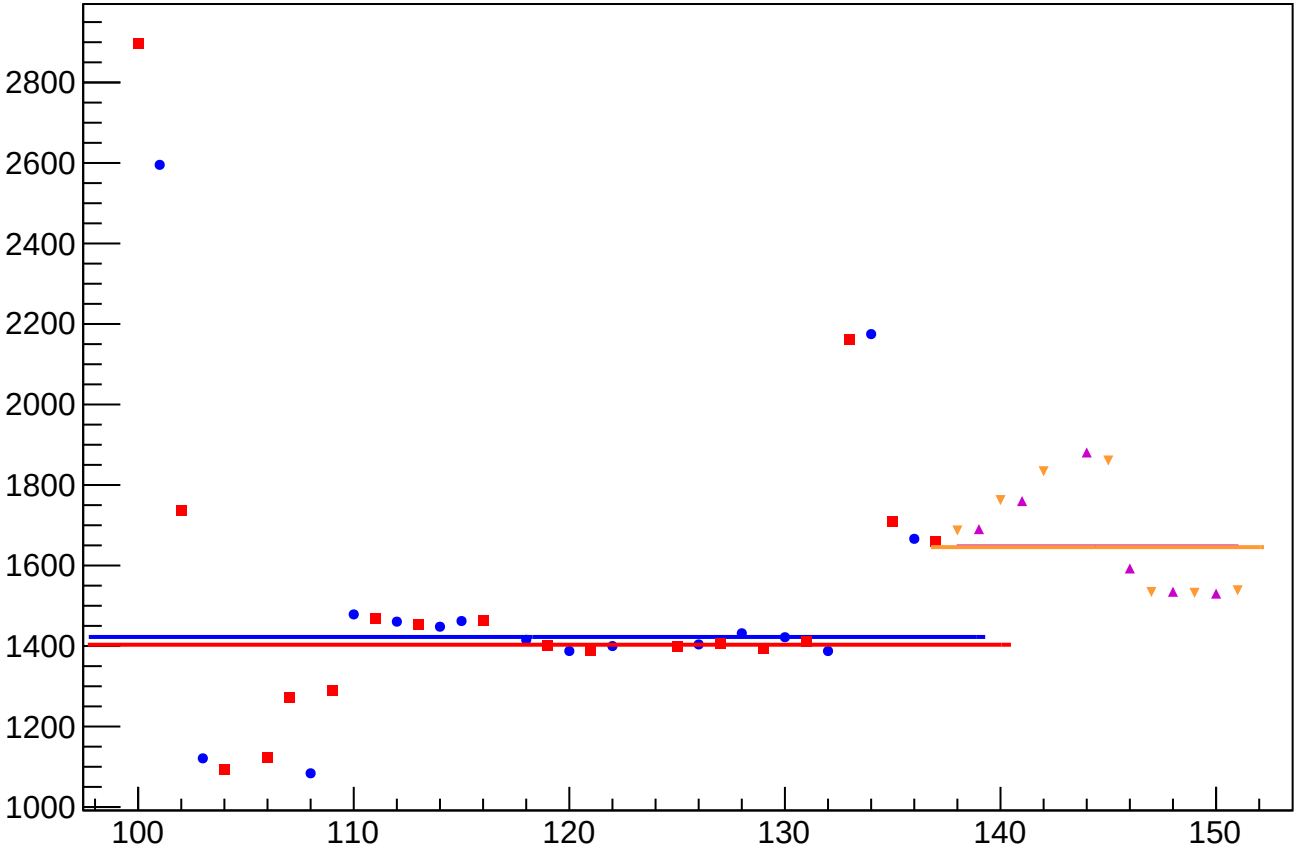
Left In: -194.849+/-719.511 χ^2/NDF:2.2/5

+ sign 64.466+/-430.169 χ^2/NDF: 35.6/22

All: 17.003+/-303.476 χ^2/NDF: 58.3/46

- sign -30.027+/-428.198 χ^2/NDF: 22.7/23

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: 1645.683+/-0.503 χ^2/NDF:65441.4/6

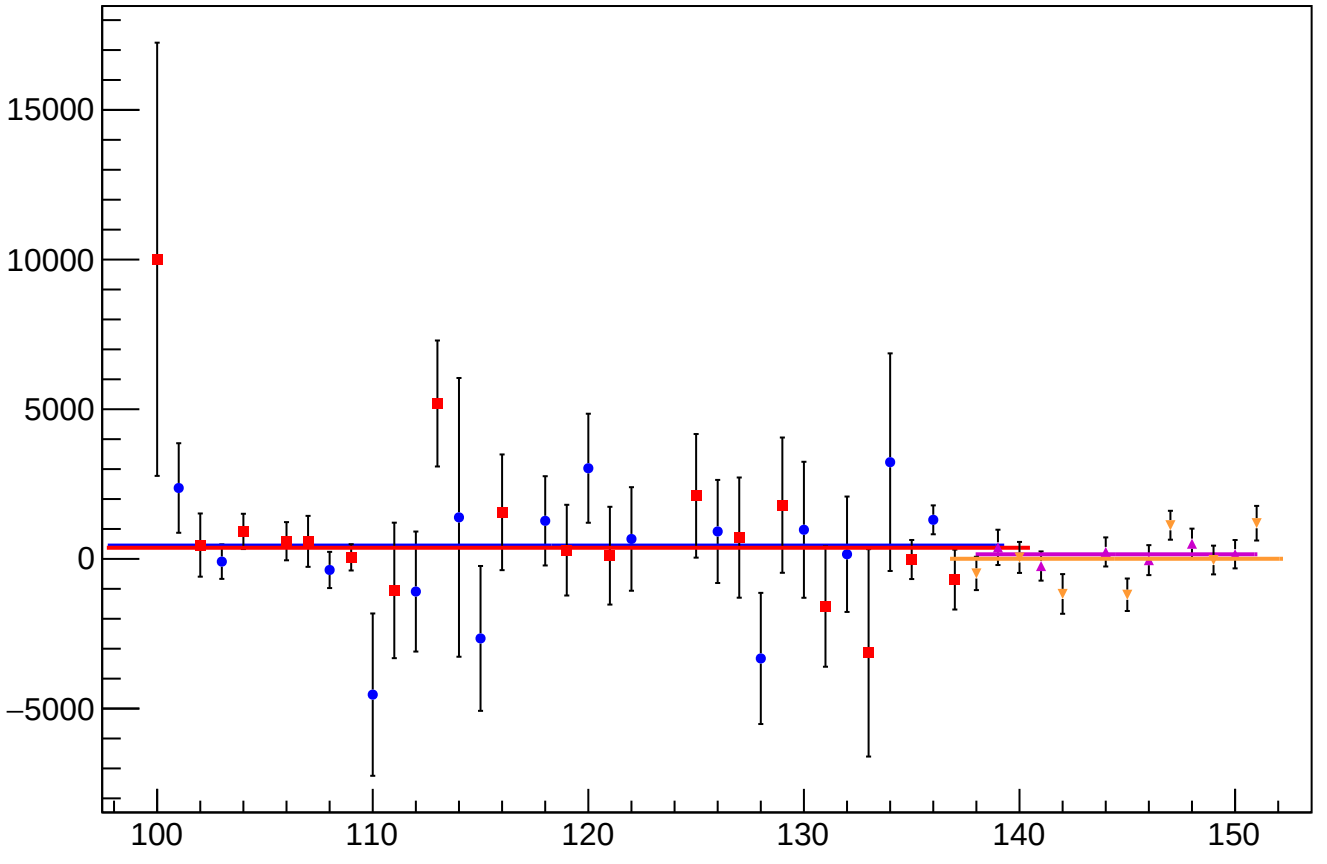
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1647.323+/-0.509 χ^2/NDF:57797.8/5

+ sign 1504.092+/-0.304 χ^2/NDF: 750542.3/22

All: 1496.850+/-0.215 χ^2/NDF: 1317251.4/46

- sign 1489.674+/-0.303 χ^2/NDF: 565580.6/23



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 4.330+/-203.048 χ^2/NDF:18.4/6

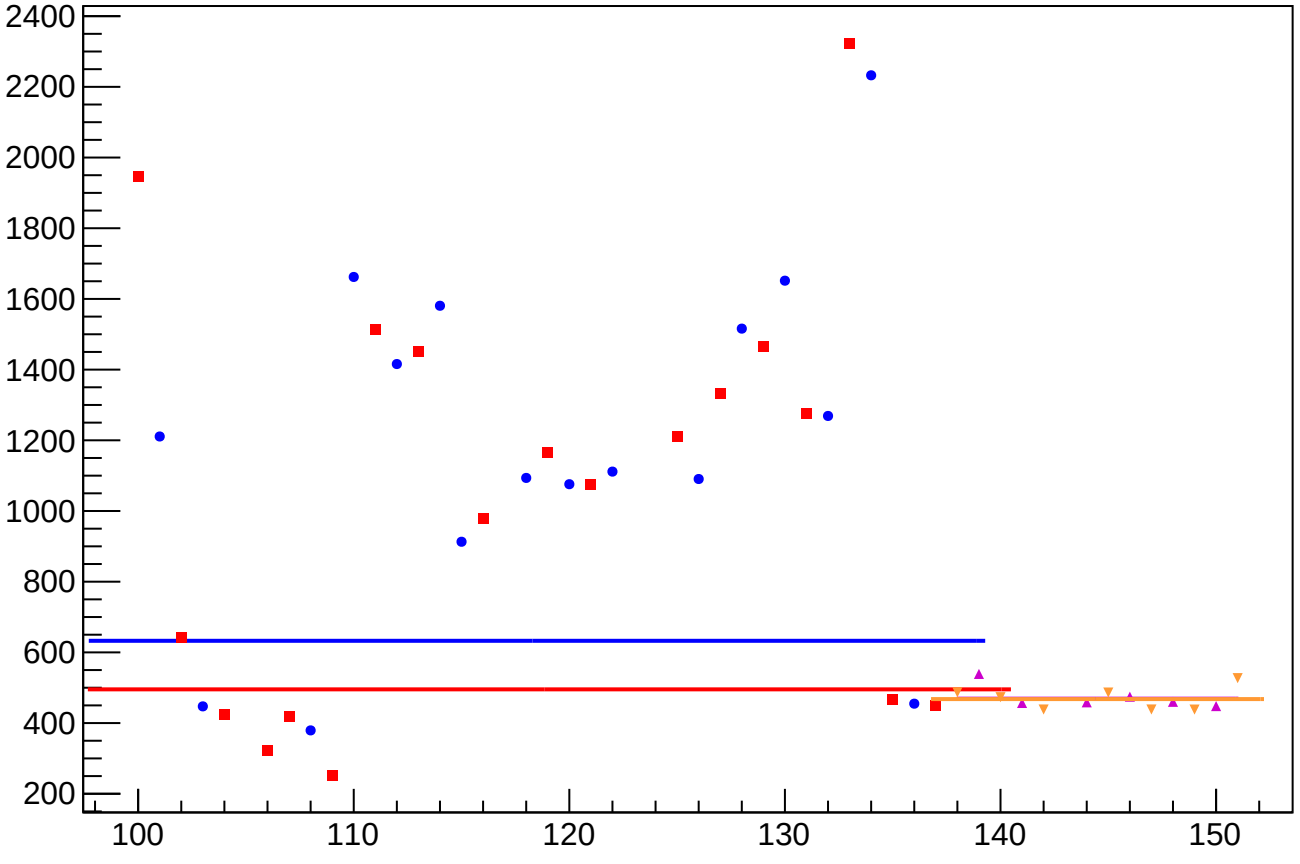
Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: 153.437+/-205.332 χ^2/NDF:1.5/5

+ sign 160.044+/-163.292 χ^2/NDF: 39.3/22

All: 207.767+/-111.870 χ^2/NDF: 55.4/46

- sign 249.978+/-153.571 χ^2/NDF: 16.0/23



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 467.857+/-0.144 χ^2/NDF:44919.0/6

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

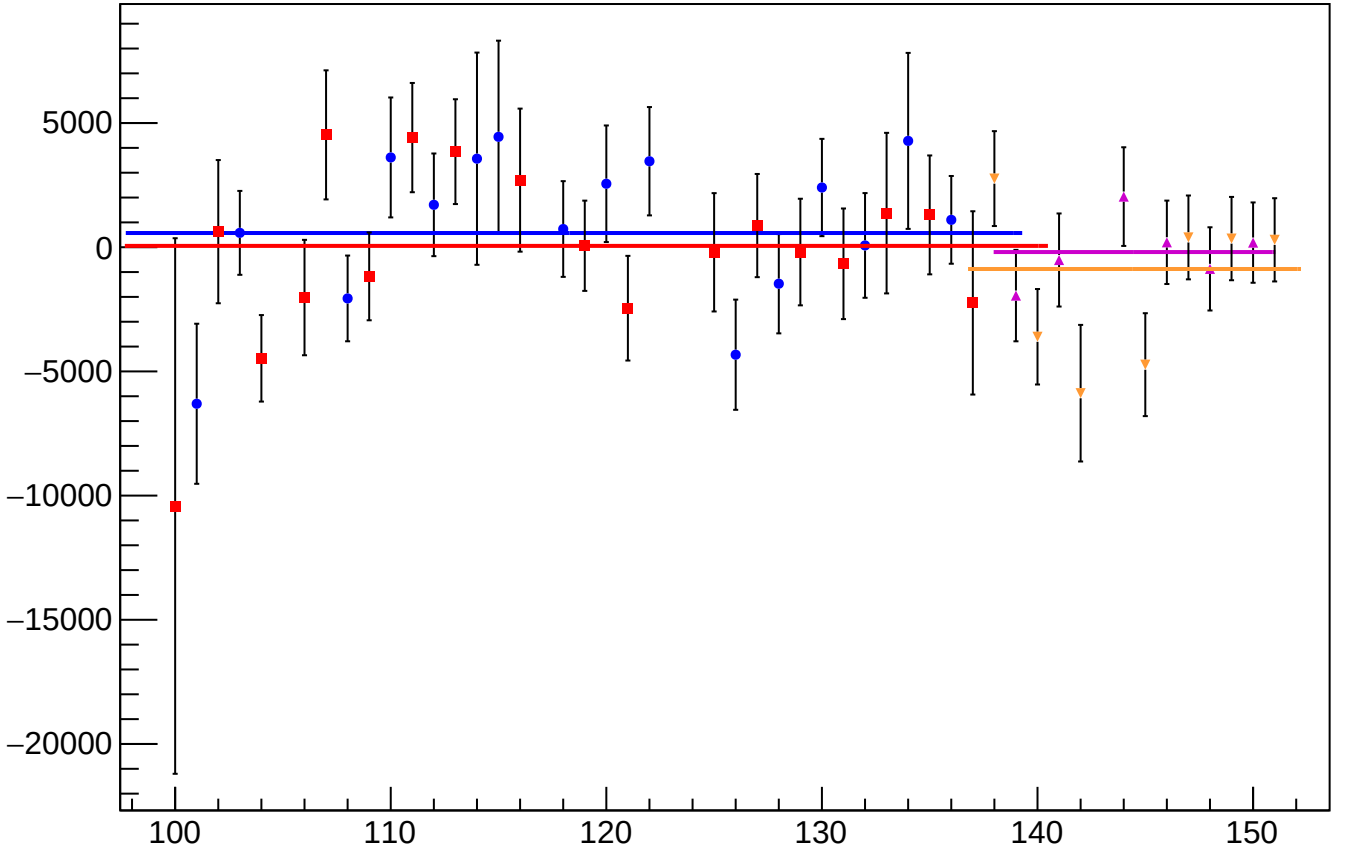
Left In: 469.067+/-0.145 χ^2/NDF:35167.7/5

+ sign 526.108+/-0.115 χ^2/NDF: 4278604.8/22

All: 501.992+/-0.079 χ^2/NDF: 8747940.0/46

- sign 480.661+/-0.109 χ^2/NDF: 4387124.8/23

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

Left Out: -876.573+/-712.011 χ^2/NDF:14.0/6

Right Out: 53.754+/-545.353 χ^2/NDF: 22.5/17

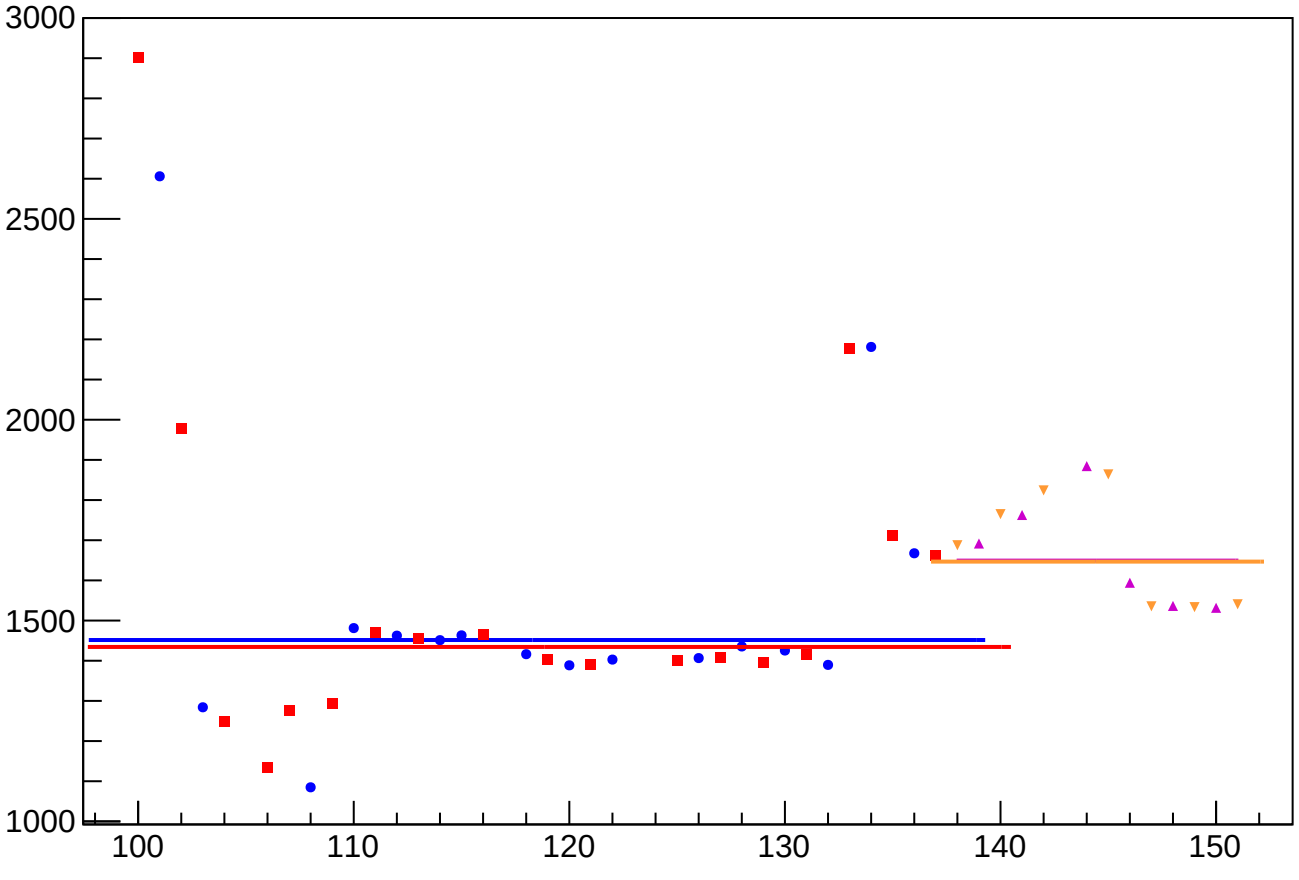
Left In: -194.214+/-720.368 χ^2/NDF:2.5/5

+ sign 31.287+/-435.083 χ^2/NDF: 37.4/22

All: -2.671+/-307.553 χ^2/NDF: 62.5/46

- sign -36.586+/-434.807 χ^2/NDF: 25.1/23

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1646.773+/-0.503 χ^2/NDF:64630.1/6

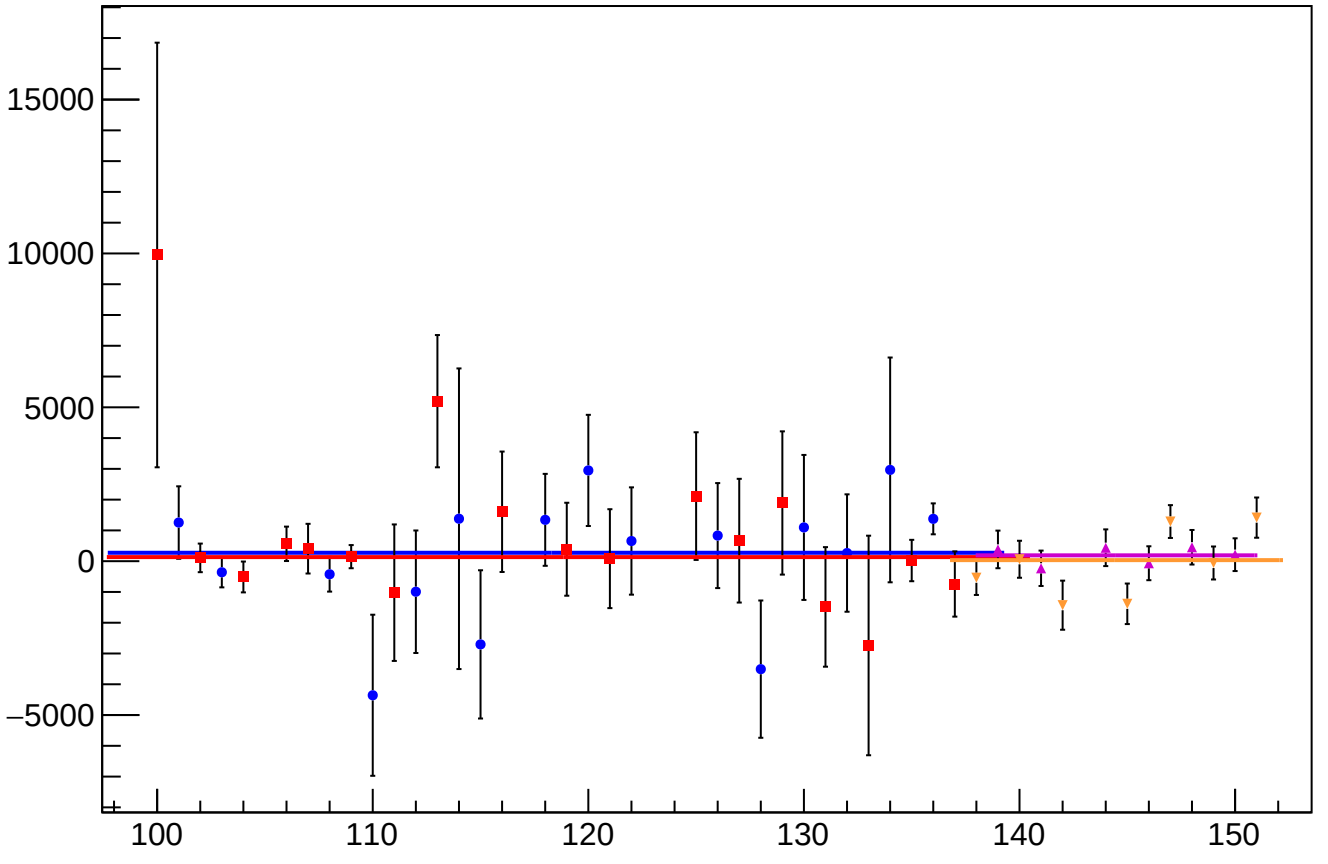
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1649.233+/-0.509 χ^2/NDF:58256.6/5

+ sign 1524.464+/-0.308 χ^2/NDF: 646652.1/22

All: 1518.537+/-0.217 χ^2/NDF: 1147398.1/46

- sign 1512.618+/-0.307 χ^2/NDF: 500004.2/23



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: 33.934+/-228.399 χ^2/NDF:19.1/6

Right Out: 132.573+/-195.933 χ^2/NDF: 14.4/17

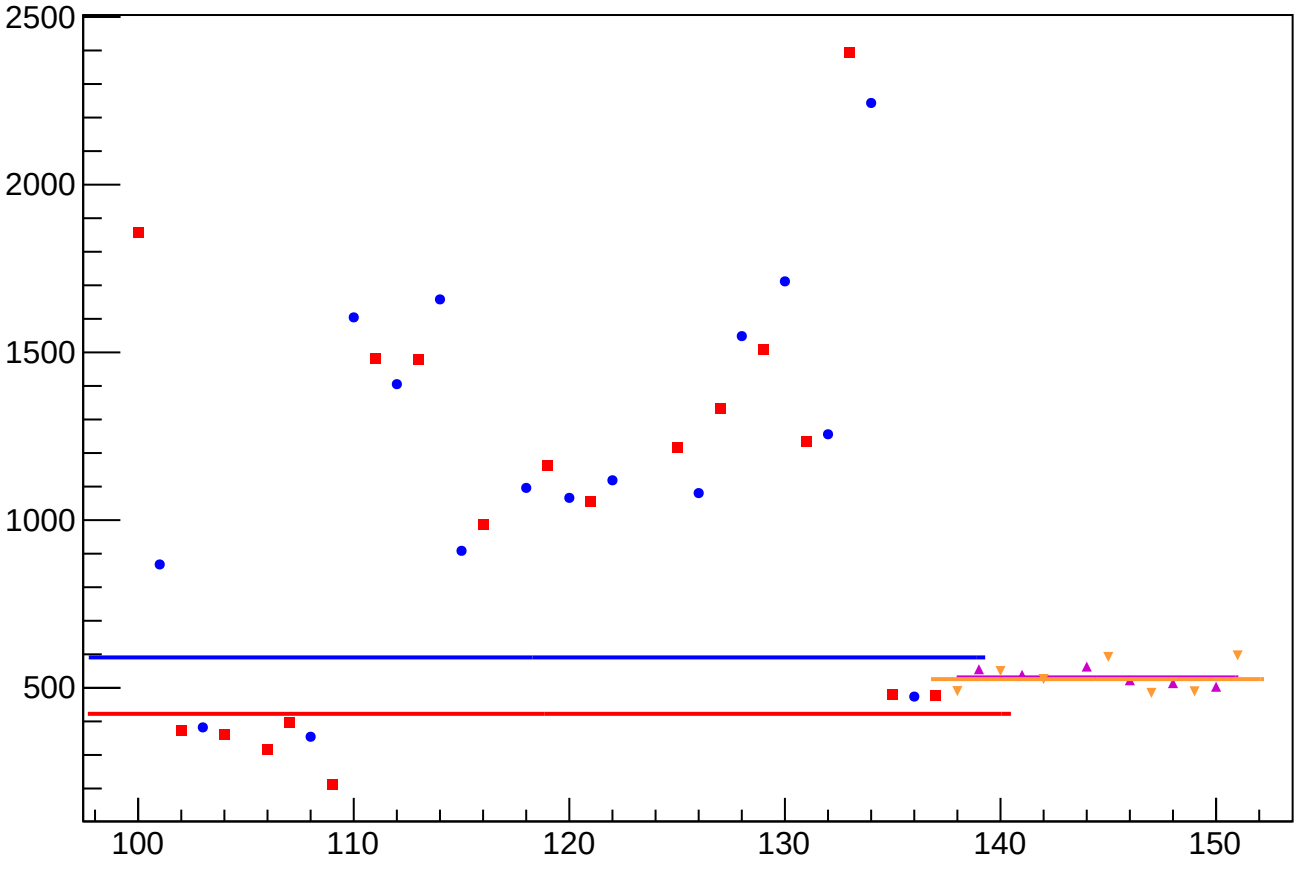
Left In: 189.875+/-232.410 χ^2/NDF:1.2/5

+ sign 138.012+/-171.747 χ^2/NDF: 39.8/22

All: 148.443+/-112.893 χ^2/NDF: 55.5/46

- sign 156.380+/-149.802 χ^2/NDF: 15.7/23

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug



Right In: 590.749+/-0.184 χ^2/NDF: 3885502.1/15

Left Out: 526.016+/-0.162 χ^2/NDF:76034.7/6

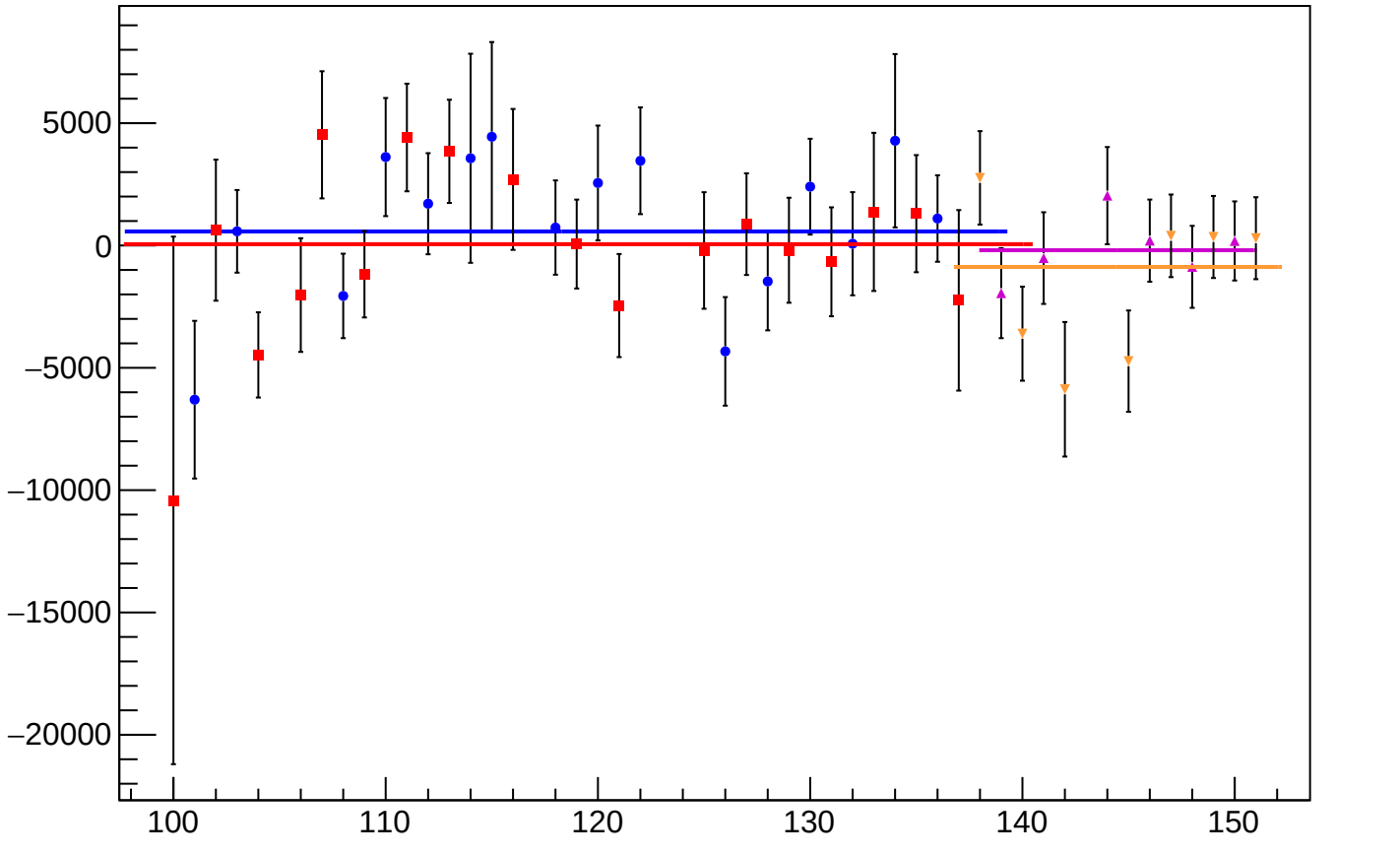
Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 531.214+/-0.164 χ^2/NDF:17134.2/5

+ sign 554.146+/-0.121 χ^2/NDF: 4031350.3/22

All: 505.074+/-0.080 χ^2/NDF: 9449187.5/46

- sign 467.741+/-0.106 χ^2/NDF: 5130348.9/23



Right In: 572.290+/-549.638 χ^2/NDF: 20.8/15

Left Out: -876.580+/-712.011 χ^2/NDF:14.0/6

Right Out: 53.752+/-545.353 χ^2/NDF: 22.5/17

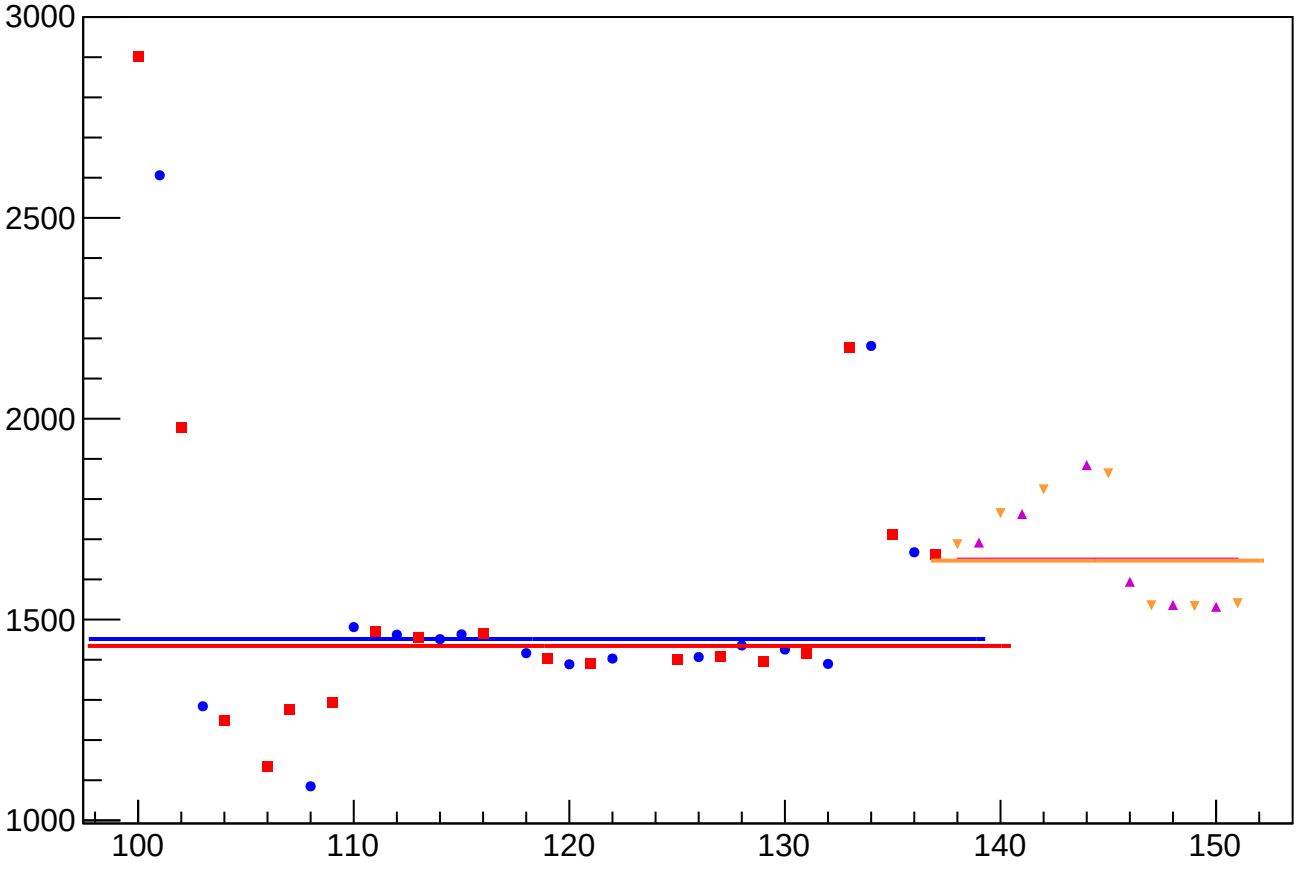
Left In: -194.209+/-720.368 χ^2/NDF:2.5/5

+ sign 31.285+/-435.083 χ^2/NDF: 37.4/22

All: -2.672+/-307.553 χ^2/NDF: 62.5/46

- sign -36.585+/-434.807 χ^2/NDF: 25.1/23

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1646.773+/-0.503 χ^2/NDF:64630.3/6

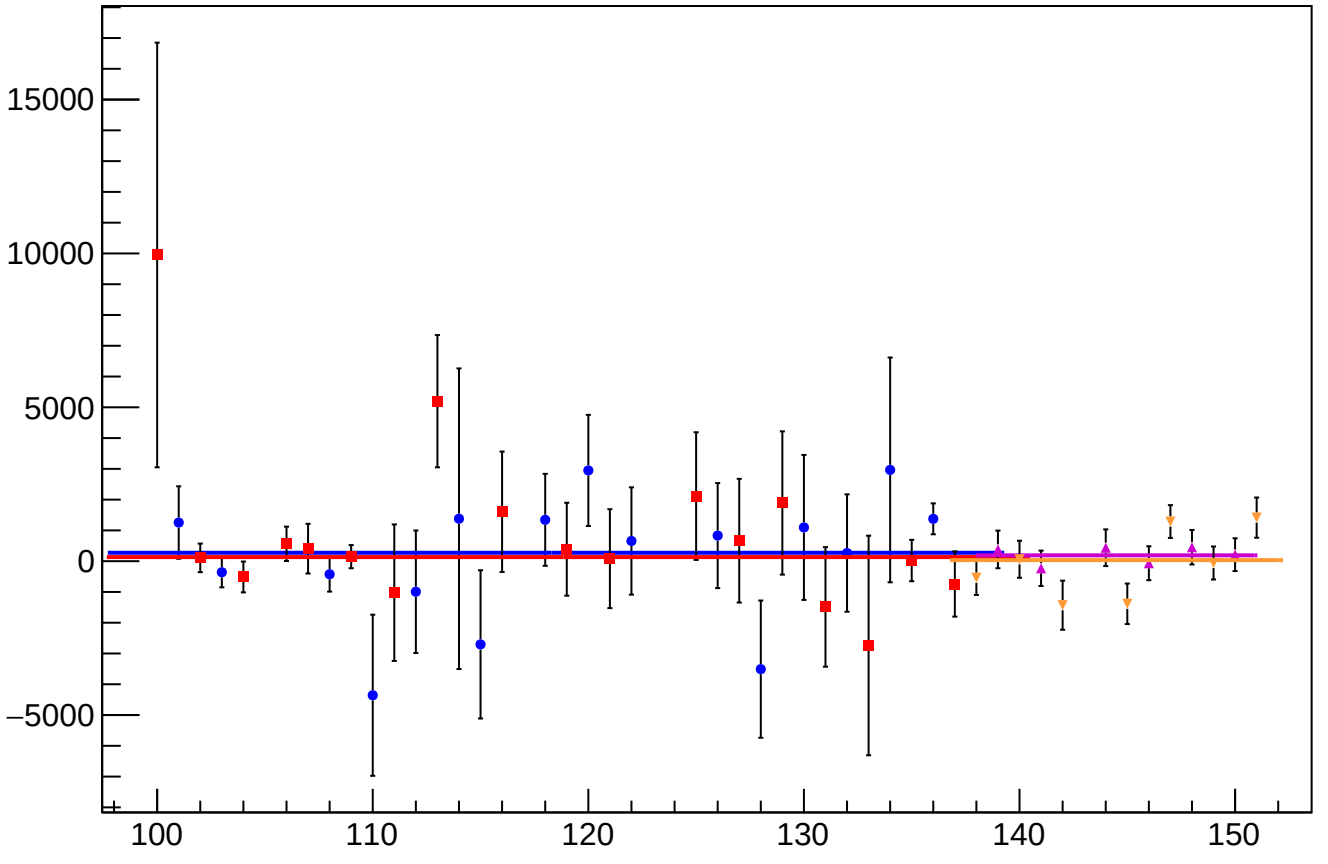
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1649.233+/-0.509 χ^2/NDF:58256.8/5

+ sign 1524.464+/-0.308 χ^2/NDF: 646651.8/22

All: 1518.537+/-0.217 χ^2/NDF: 1147398.1/46

- sign 1512.618+/-0.307 χ^2/NDF: 500004.5/23



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: 33.947+/-228.401 χ^2/NDF:19.1/6

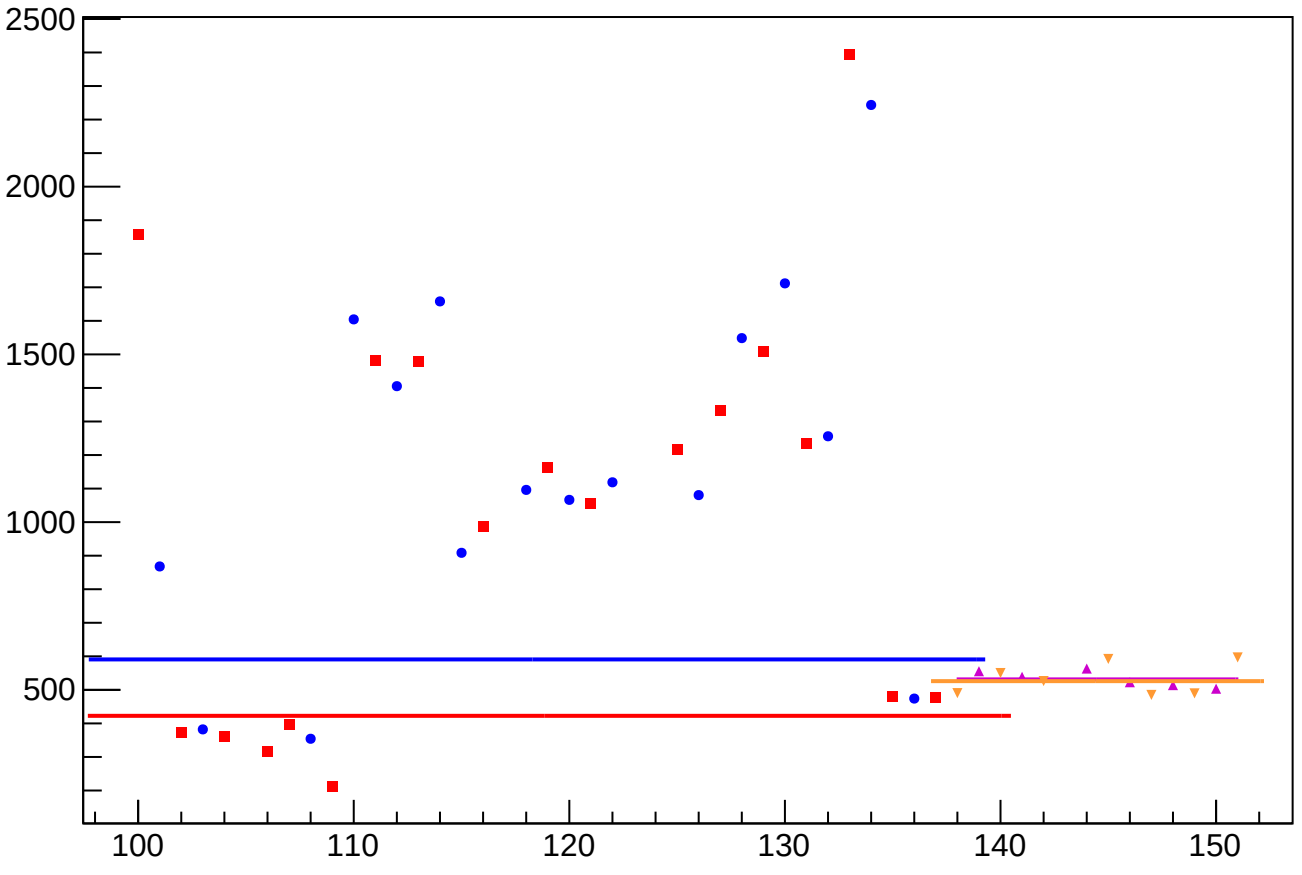
Right Out: 132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: 189.881+/-232.410 χ^2/NDF:1.2/5

\+ sign 138.016+/-171.748 χ^2/NDF: 39.8/22

All: 148.445+/-112.893 χ^2/NDF: 55.5/46

\- sign 156.379+/-149.803 χ^2/NDF: 15.7/23



Right In: 590.747+/-0.184 χ^2/NDF: 3885530.6/15

Left Out: 526.020+/-0.162 χ^2/NDF:76033.4/6

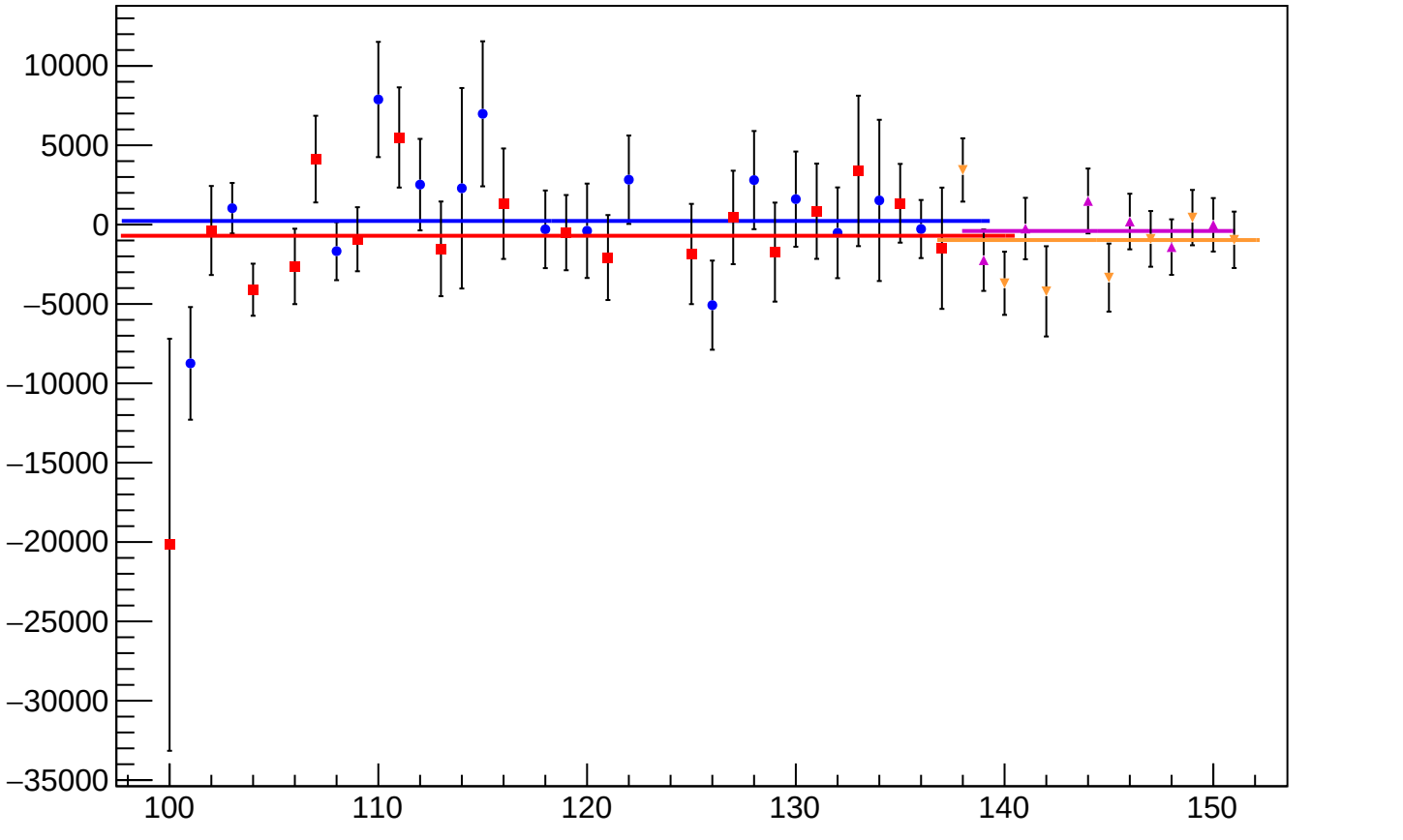
Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

Left In: 531.215+/-0.164 χ^2/NDF:17147.0/5

+ sign 554.147+/-0.121 χ^2/NDF: 4031364.8/22

All: 505.077+/-0.080 χ^2/NDF: 9449090.6/46

- sign 467.745+/-0.106 χ^2/NDF: 5130254.1/23



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -971.886+/-742.221 χ^2/NDF:9.9/6

Right Out: -702.268+/-648.319 χ^2/NDF: 17.0/17

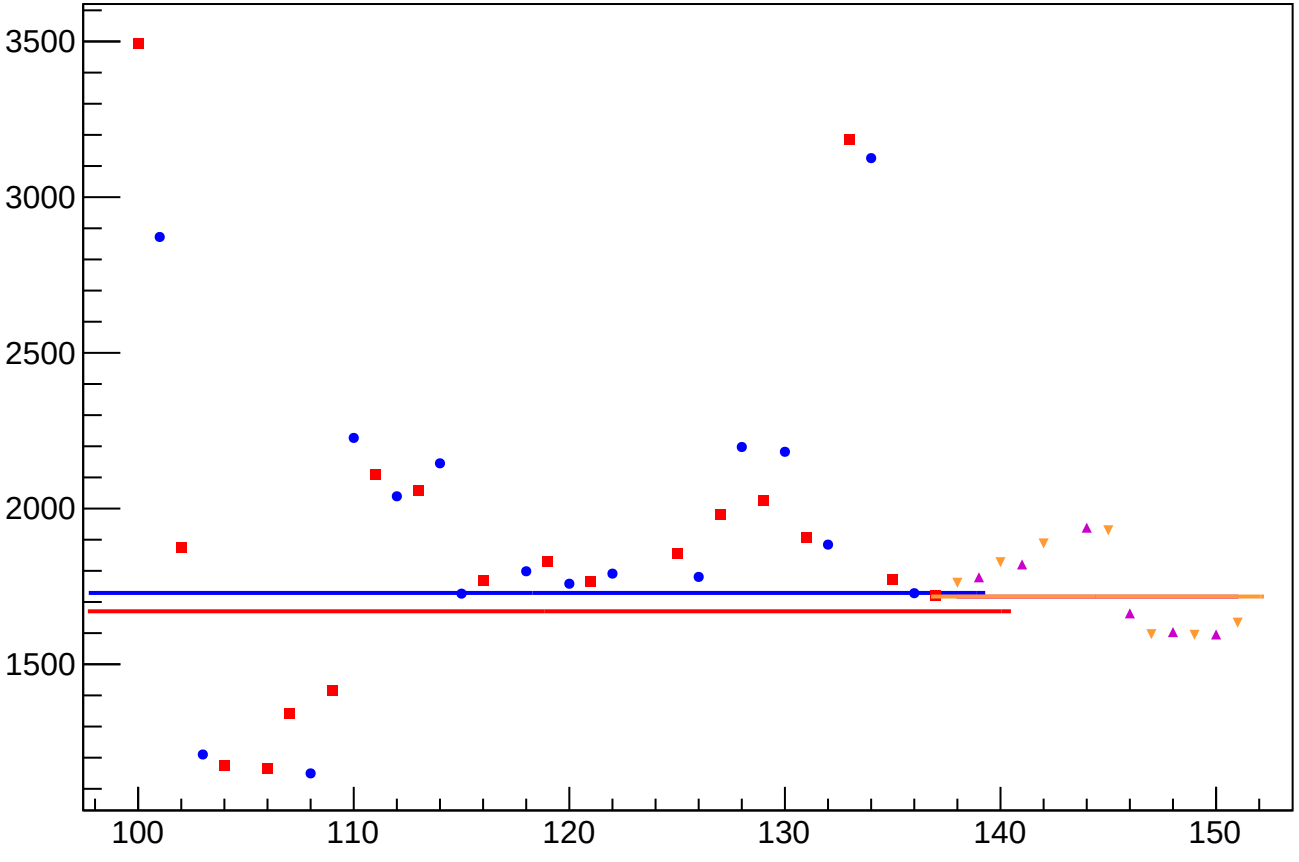
Left In: -399.751+/-749.767 χ^2/NDF:2.3/5

\+ sign -305.873+/-495.796 χ^2/NDF: 32.1/22

All: -440.819+/-348.660 χ^2/NDF: 51.7/46

\- sign -572.846+/-490.406 χ^2/NDF: 19.4/23

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1729.050+/-0.471 χ^2/NDF: 942079.1/15

Left Out: 1717.475+/-0.525 χ^2/NDF:57866.7/6

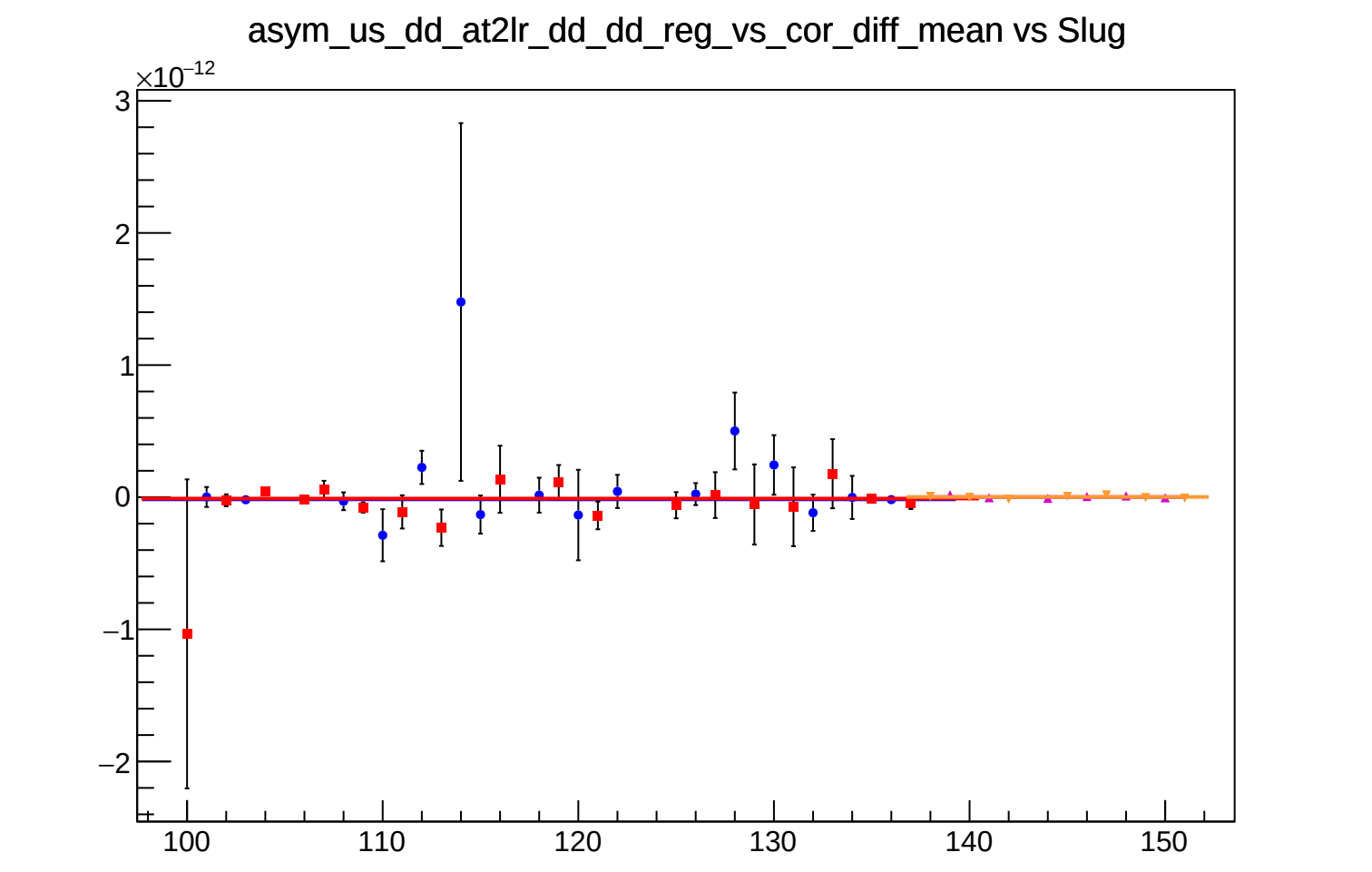
Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

Left In: 1717.066+/-0.530 χ^2/NDF:52026.2/5

+ sign 1723.885+/-0.351 χ^2/NDF: 1000215.3/22

All: 1706.842+/-0.247 χ^2/NDF: 1805867.5/46

- sign 1690.168+/-0.347 χ^2/NDF: 800977.0/23



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.5/6

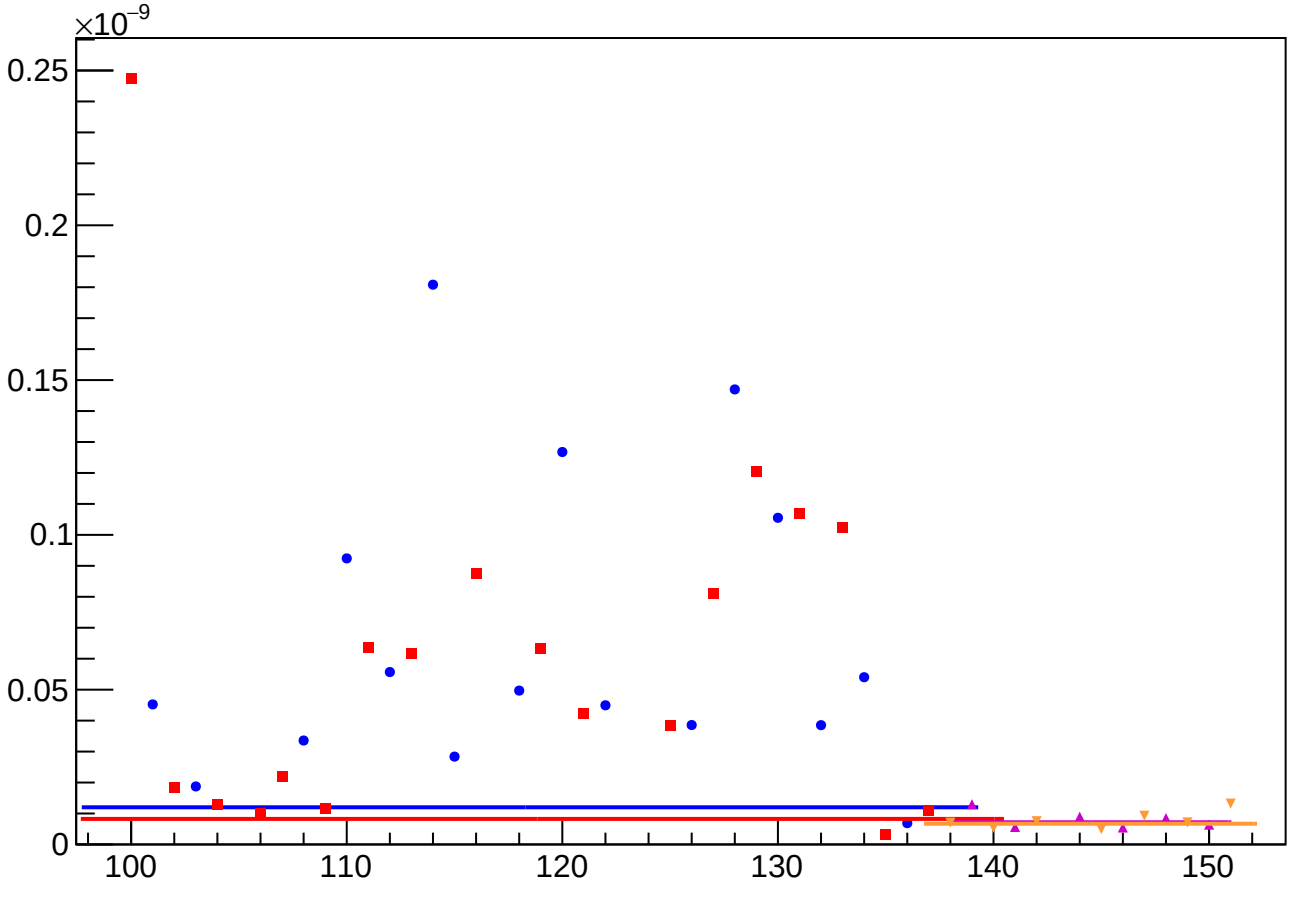
Right Out: -0.000+/-0.000 χ^2/NDF: 16.4/17

Left In: 0.000+/-0.000 χ^2/NDF:2.5/5

\+ sign -0.000+/-0.000 χ^2/NDF: 18.4/22

All: -0.000+/-0.000 χ^2/NDF: 38.7/46

\- sign -0.000+/-0.000 χ^2/NDF: 20.3/23



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:382143.4/6

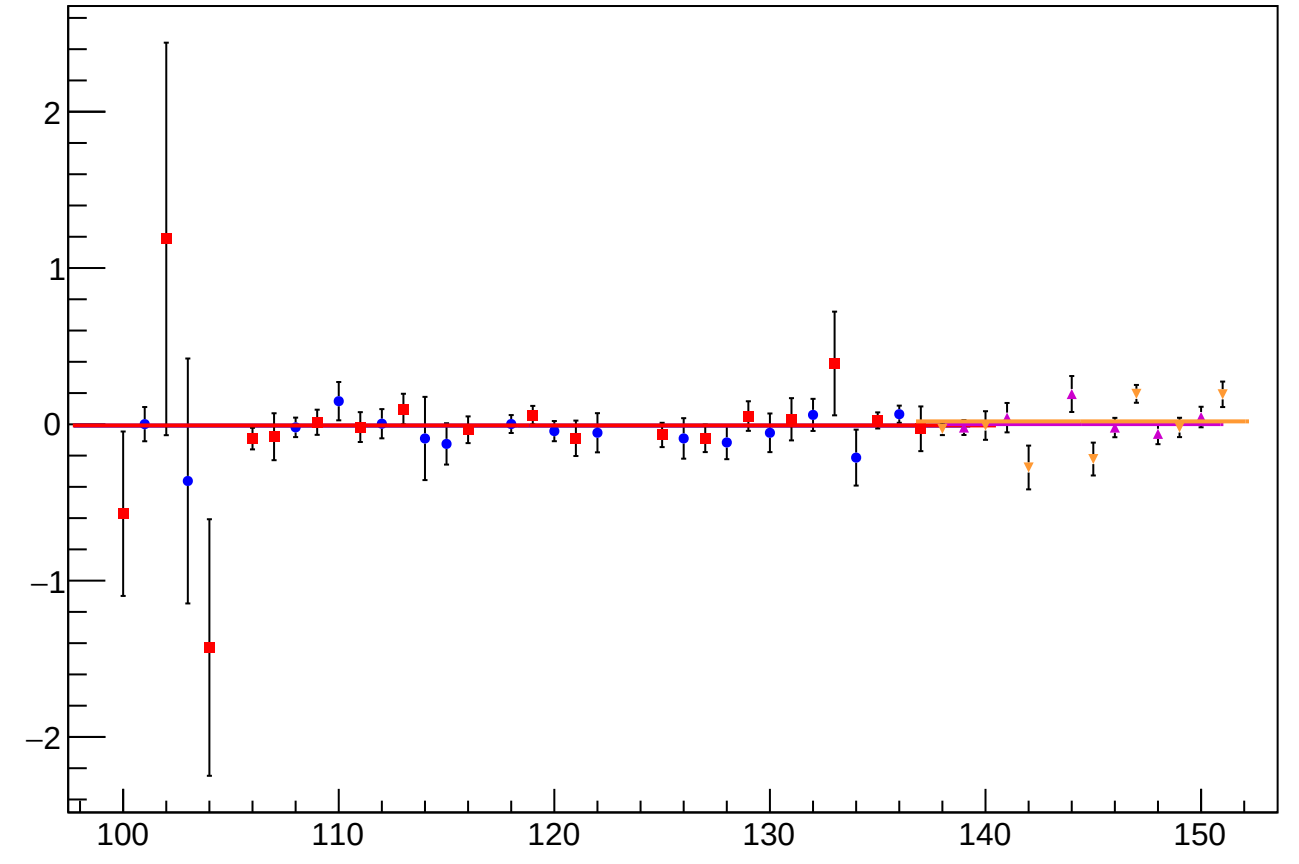
Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:384091.2/5

+ sign 0.000+/-0.000 χ^2/NDF: 4247492.6/22

All: 0.000+/-0.000 χ^2/NDF: 8167610.0/46

- sign 0.000+/-0.000 χ^2/NDF: 3917651.3/23



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.019+/-0.025 χ^2/NDF:25.6/6

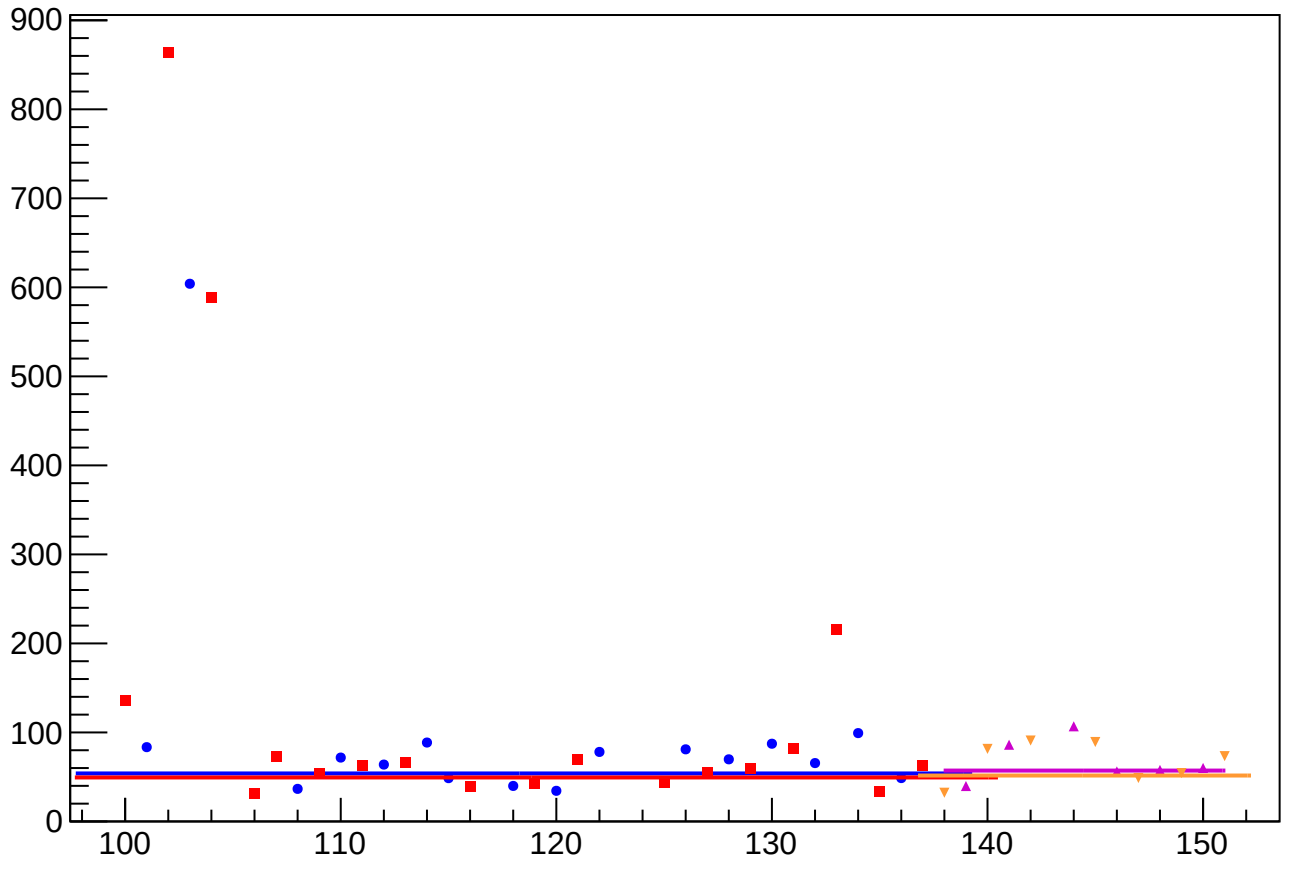
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.002+/-0.027 χ^2/NDF:4.7/5

+ sign 0.004+/-0.017 χ^2/NDF: 34.6/22

All: 0.000+/-0.012 χ^2/NDF: 53.1/46

- sign -0.004+/-0.017 χ^2/NDF: 18.4/23



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 51.594+/-0.018 χ^2/NDF:1247992.4/6

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

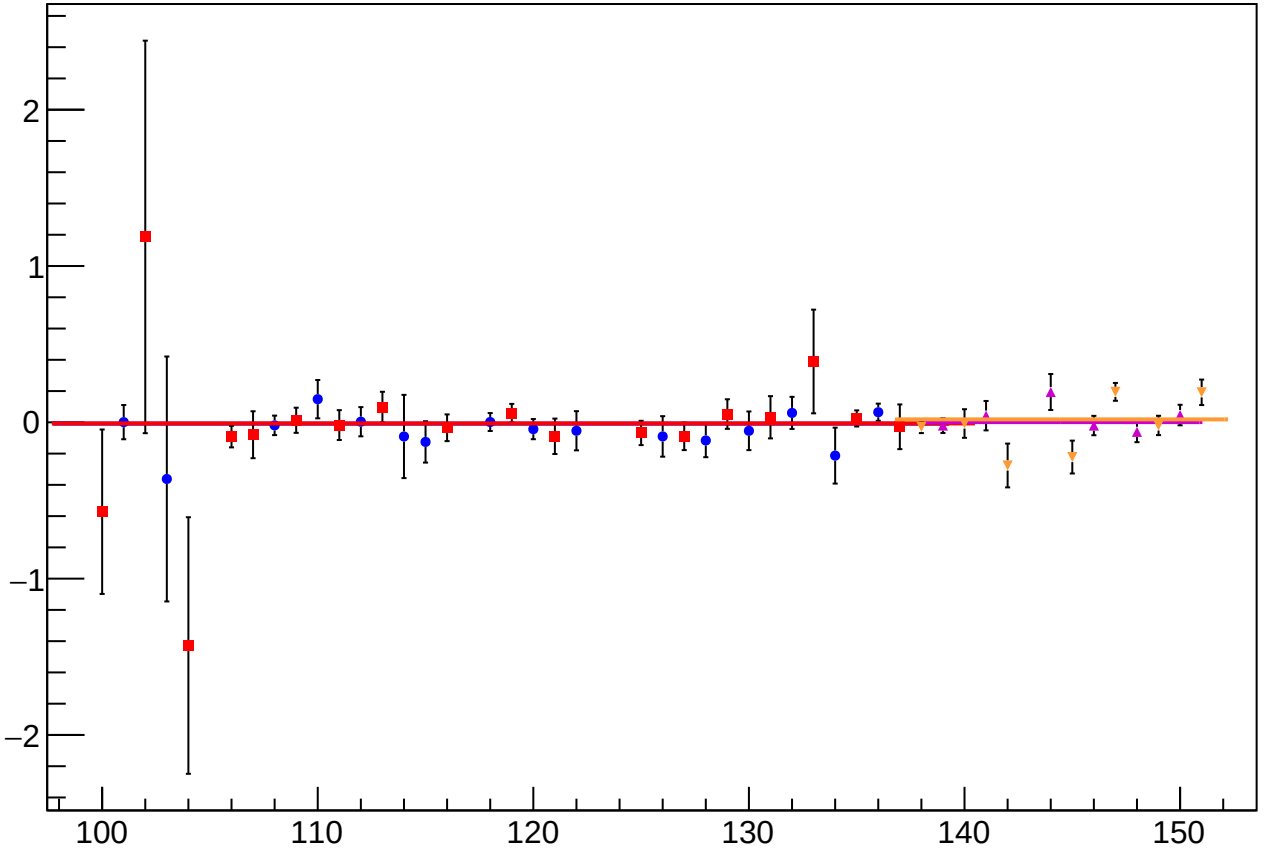
Left In: 57.158+/-0.019 χ^2/NDF:834913.1/5

+ sign 52.849+/-0.012 χ^2/NDF: 3471747.2/22

All: 52.685+/-0.009 χ^2/NDF: 7421767.9/46

- sign 52.515+/-0.012 χ^2/NDF: 3949639.2/23

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.019+/-0.025 χ^2/NDF:25.6/6

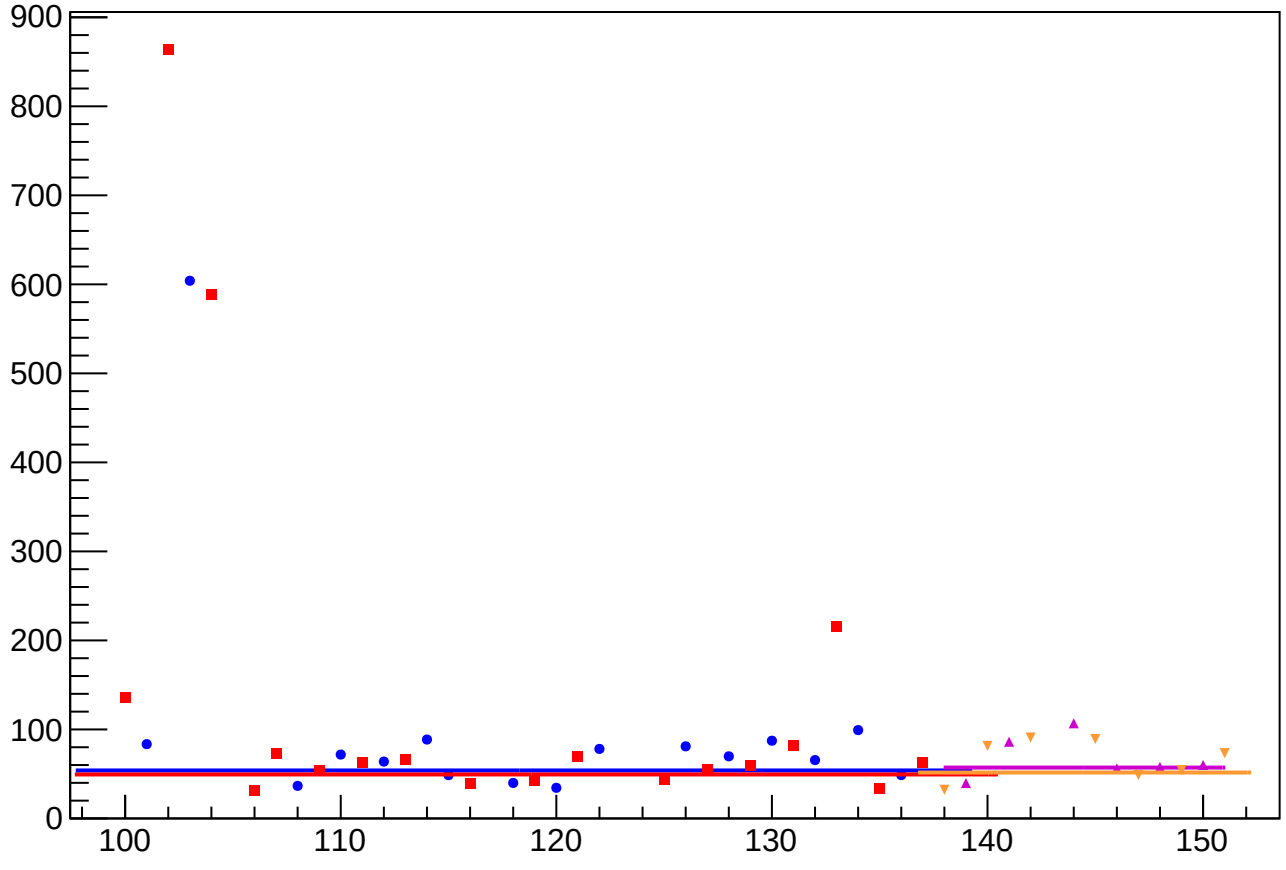
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.002+/-0.027 χ^2/NDF:4.7/5

+ sign 0.004+/-0.017 χ^2/NDF: 34.6/22

All: 0.000+/-0.012 χ^2/NDF: 53.1/46

- sign -0.004+/-0.017 χ^2/NDF: 18.4/23



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 51.594+/-0.018 χ^2/NDF:1247992.4/6

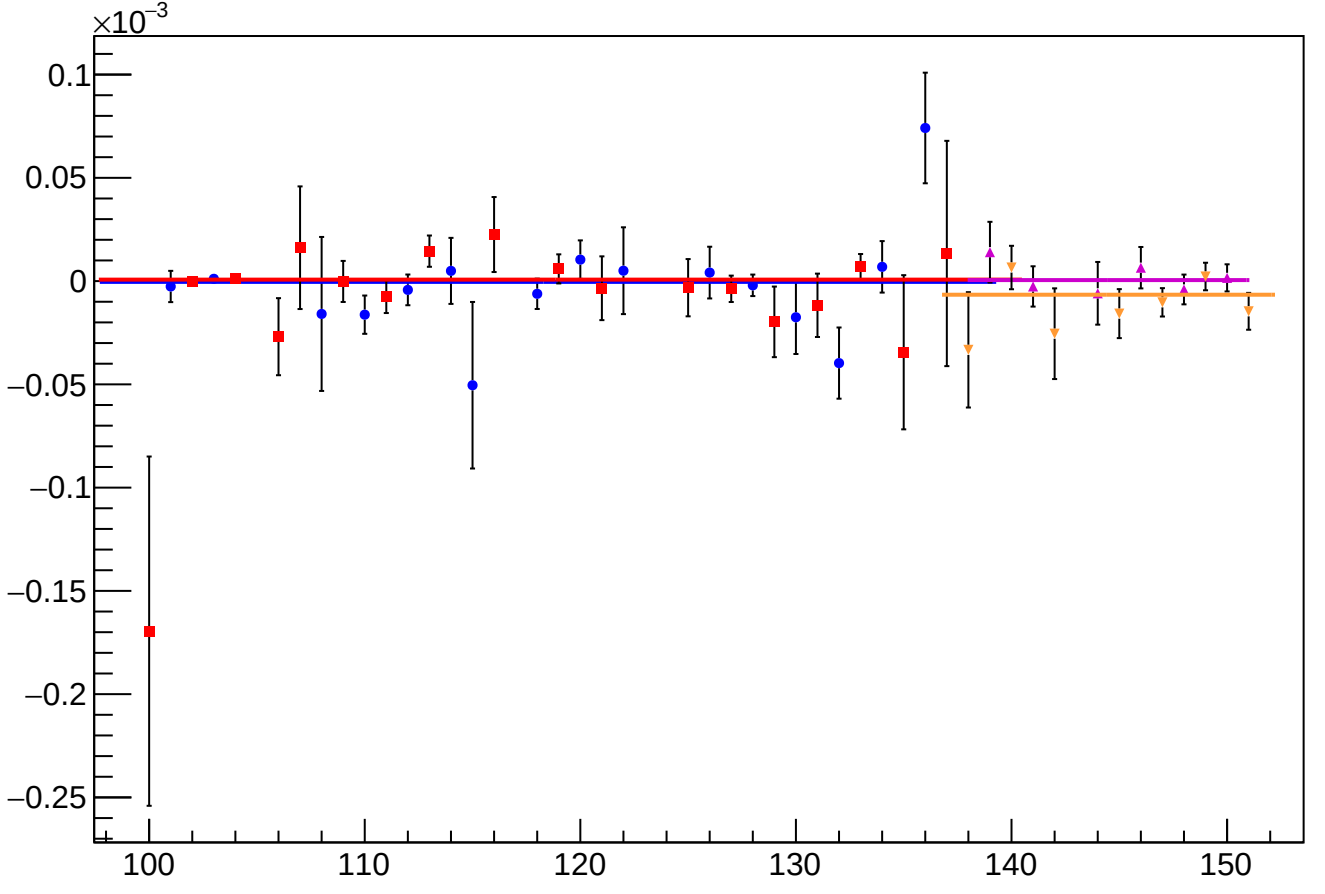
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 57.158+/-0.019 χ^2/NDF:834913.1/5

+ sign 52.849+/-0.012 χ^2/NDF: 3471747.2/22

All: 52.685+/-0.009 χ^2/NDF: 7421767.9/46

- sign 52.515+/-0.012 χ^2/NDF: 3949639.2/23



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.7/6

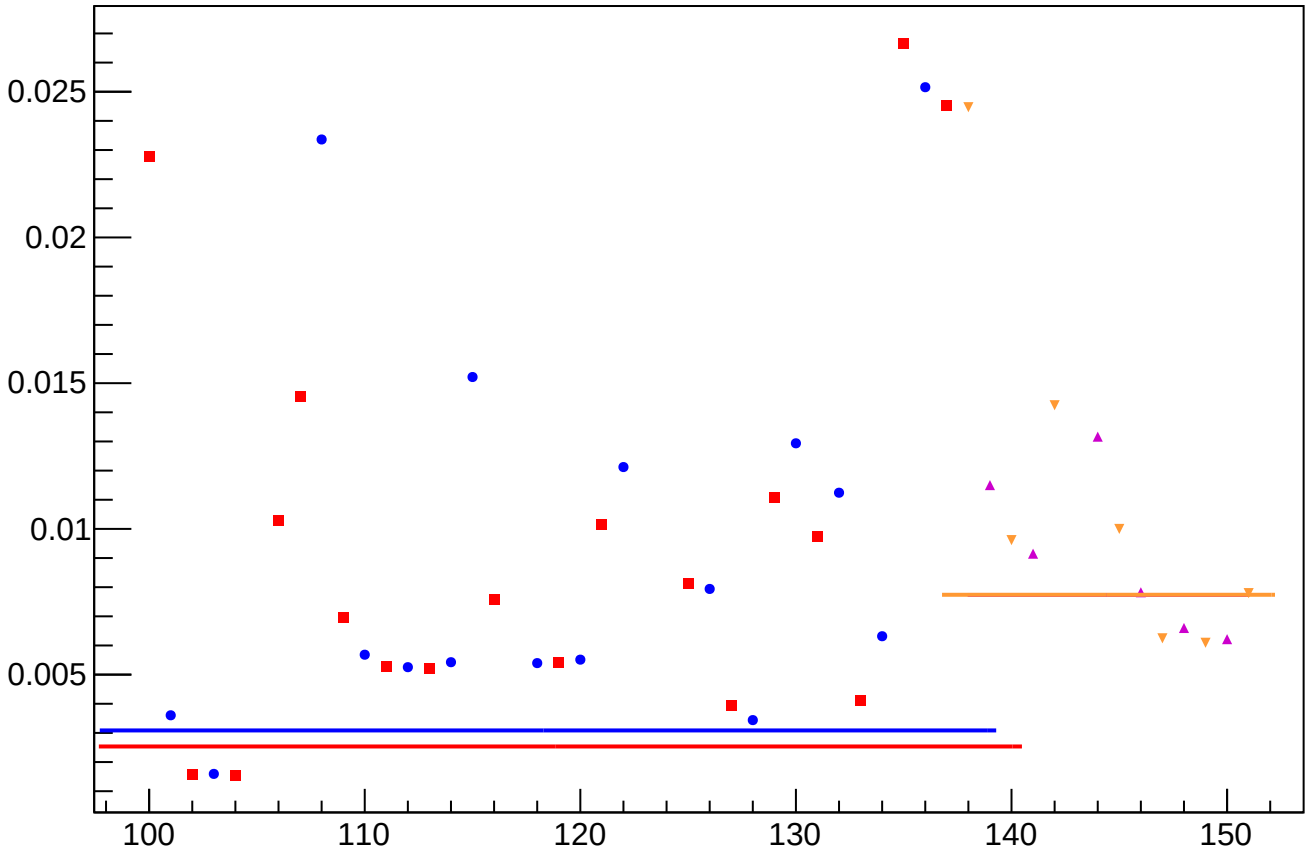
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1.9/5

+ sign -0.000+/-0.000 χ^2/NDF: 31.2/22

All: -0.000+/-0.000 χ^2/NDF: 52.2/46

- sign 0.000+/-0.000 χ^2/NDF: 19.7/23



Right In: 0.003+/-0.000 χ^2/NDF: 5779108.6/15

Left Out: 0.008+/-0.000 χ^2/NDF:1245968.7/6

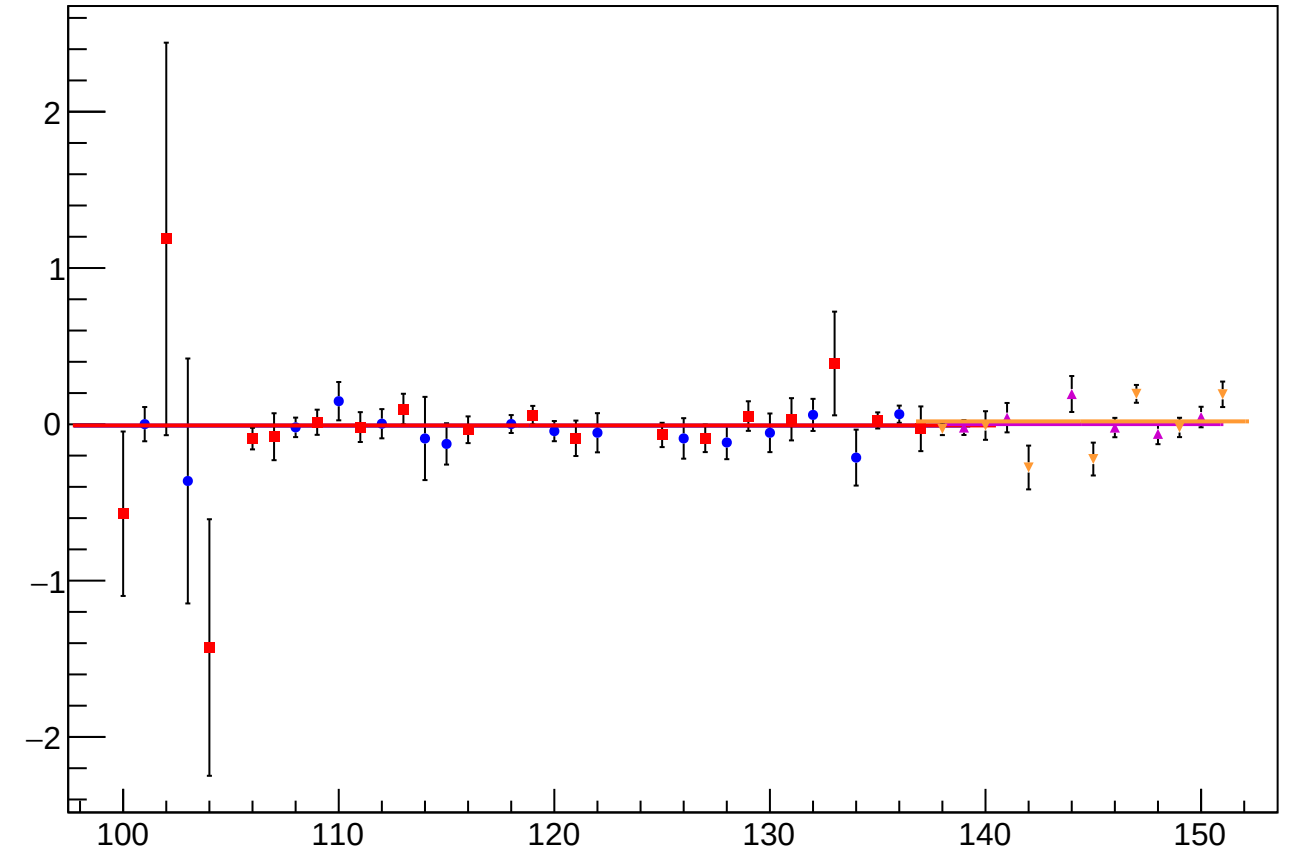
Right Out: 0.003+/-0.000 χ^2/NDF: 6237059.6/17

Left In: 0.008+/-0.000 χ^2/NDF:586179.9/5

+ sign 0.004+/-0.000 χ^2/NDF: 9761975.1/22

All: 0.003+/-0.000 χ^2/NDF: 20402210.2/46

- sign 0.003+/-0.000 χ^2/NDF: 10302326.1/23



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.019+/-0.025 χ^2/NDF:25.6/6

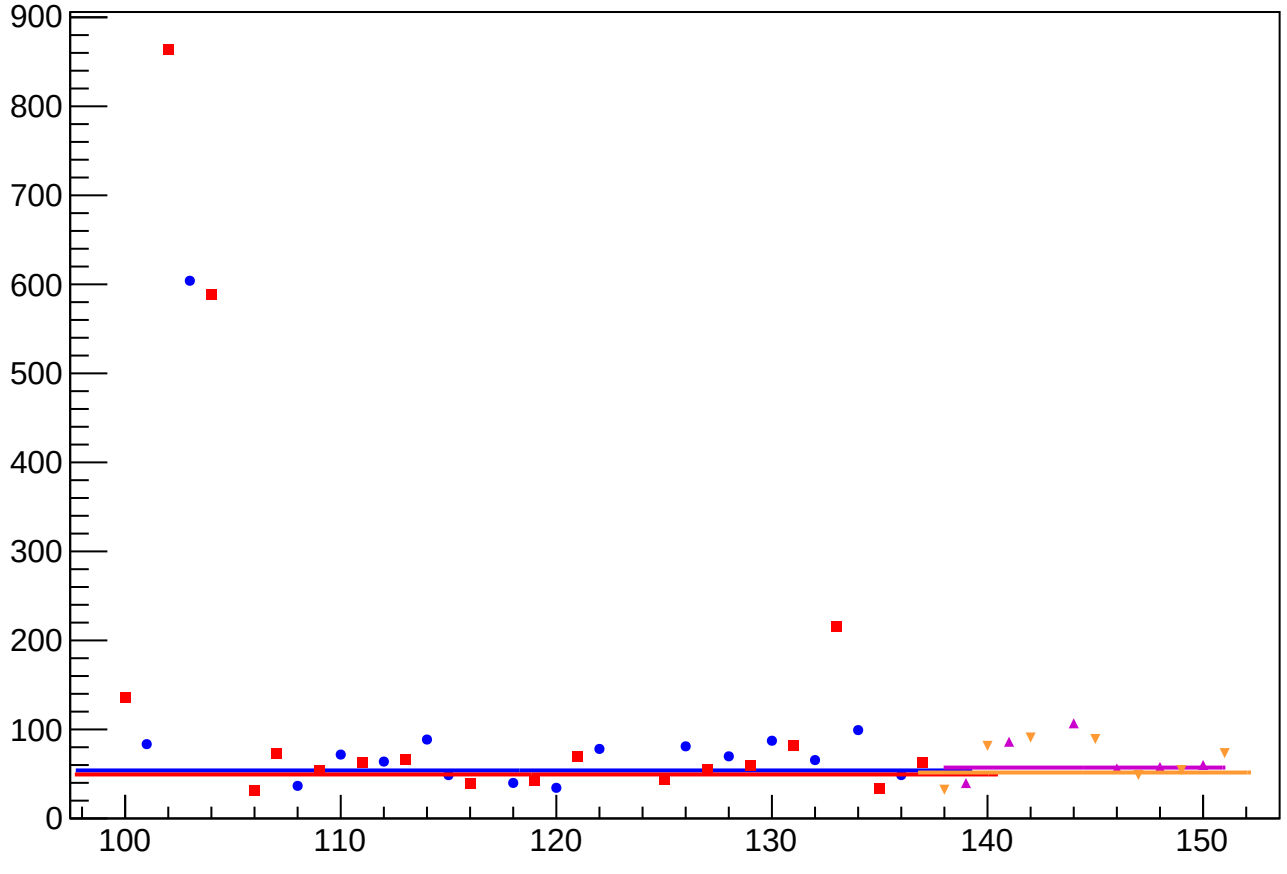
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.002+/-0.027 χ^2/NDF:4.7/5

+ sign 0.004+/-0.017 χ^2/NDF: 34.6/22

All: 0.000+/-0.012 χ^2/NDF: 53.1/46

- sign -0.004+/-0.017 χ^2/NDF: 18.4/23



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 51.598+/-0.018 χ^2/NDF:1247403.8/6

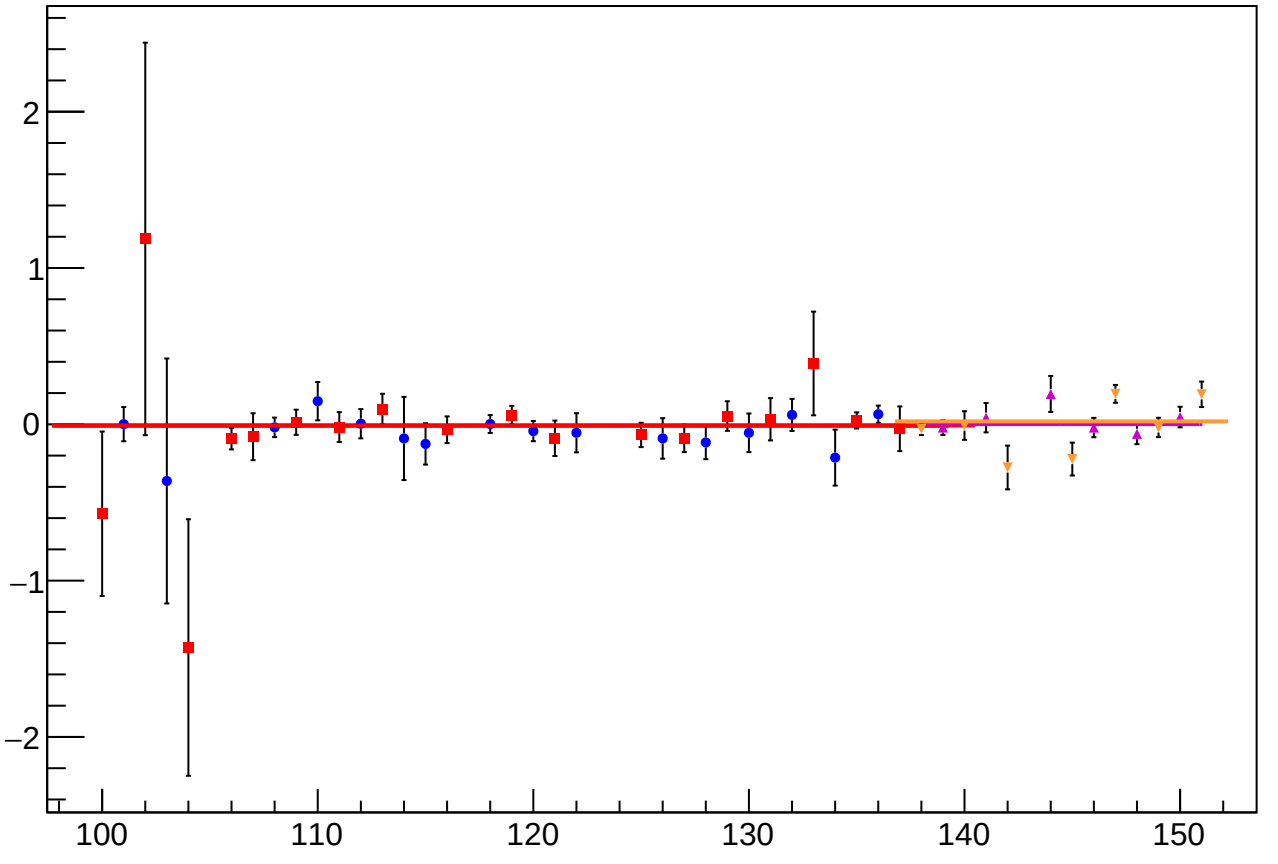
Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 57.156+/-0.019 χ^2/NDF:834903.4/5

+ sign 52.853+/-0.012 χ^2/NDF: 3470753.1/22

All: 52.687+/-0.009 χ^2/NDF: 7420405.8/46

- sign 52.516+/-0.012 χ^2/NDF: 3949264.7/23



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.019+/-0.025 χ^2/NDF:25.6/6

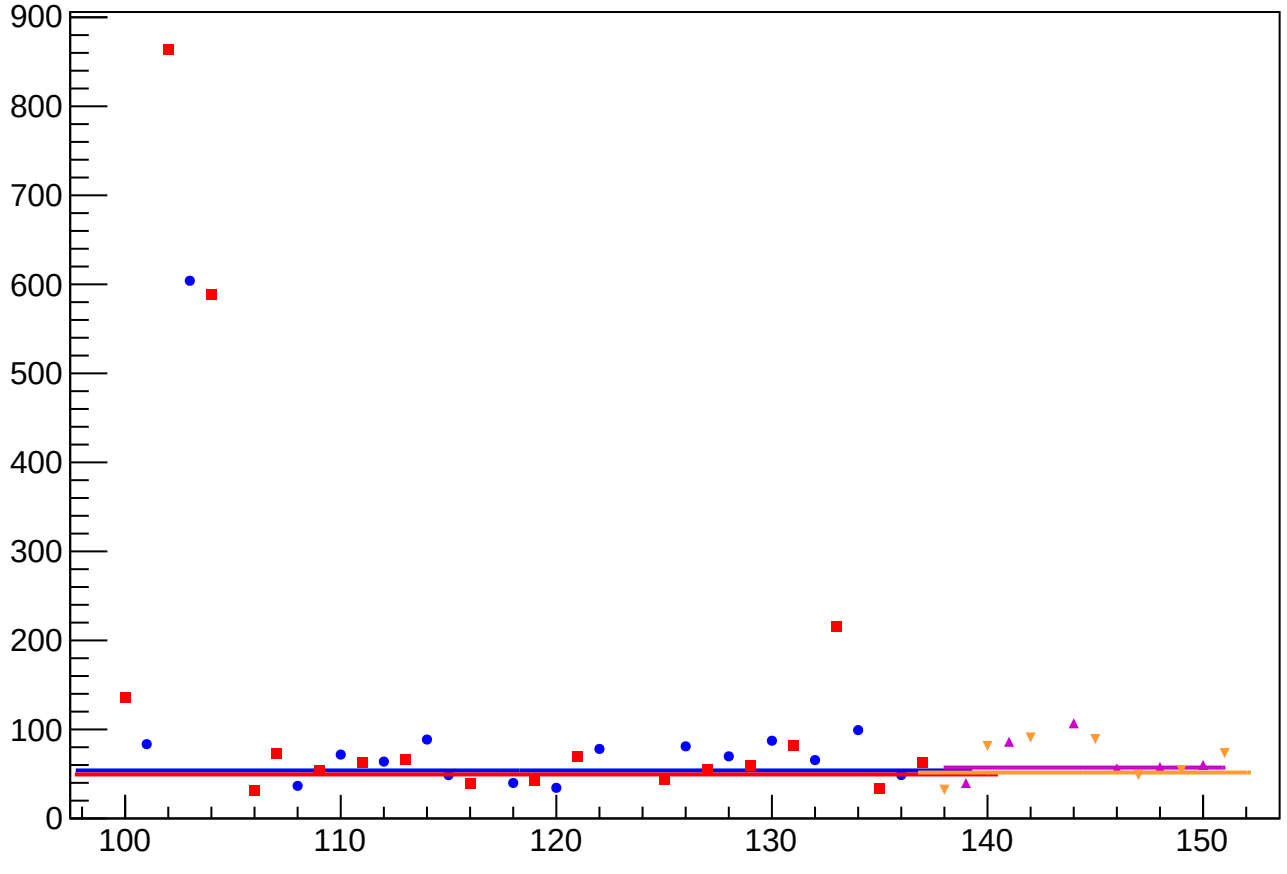
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.002+/-0.027 χ^2/NDF:4.7/5

+ sign 0.004+/-0.017 χ^2/NDF: 34.6/22

All: 0.000+/-0.012 χ^2/NDF: 53.1/46

- sign -0.004+/-0.017 χ^2/NDF: 18.4/23



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 51.598+/-0.018 χ^2/NDF:1247403.8/6

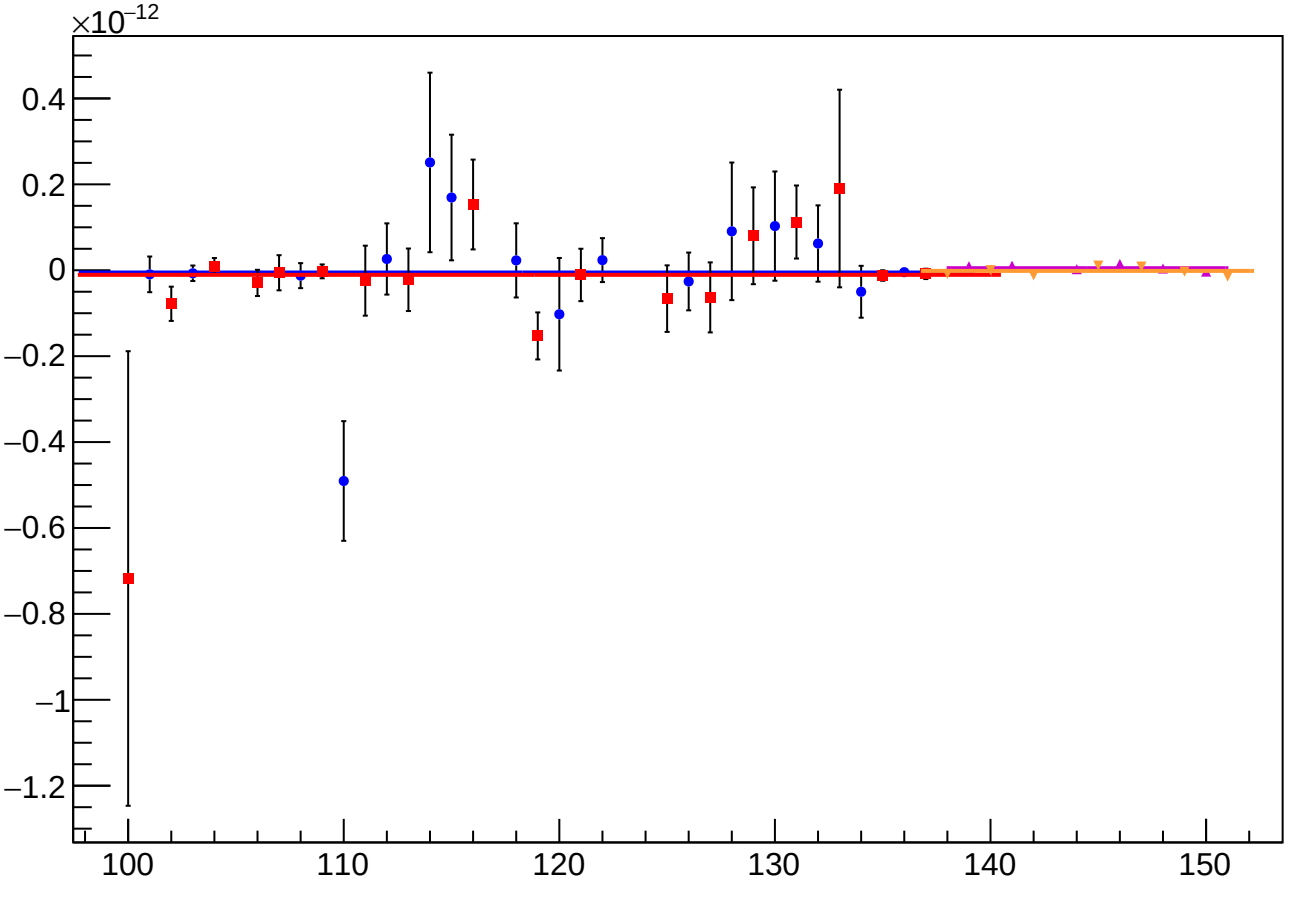
Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 57.156+/-0.019 χ^2/NDF:834903.4/5

+ sign 52.853+/-0.012 χ^2/NDF: 3470753.1/22

All: 52.687+/-0.009 χ^2/NDF: 7420405.8/46

- sign 52.516+/-0.012 χ^2/NDF: 3949264.7/23



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.4/6

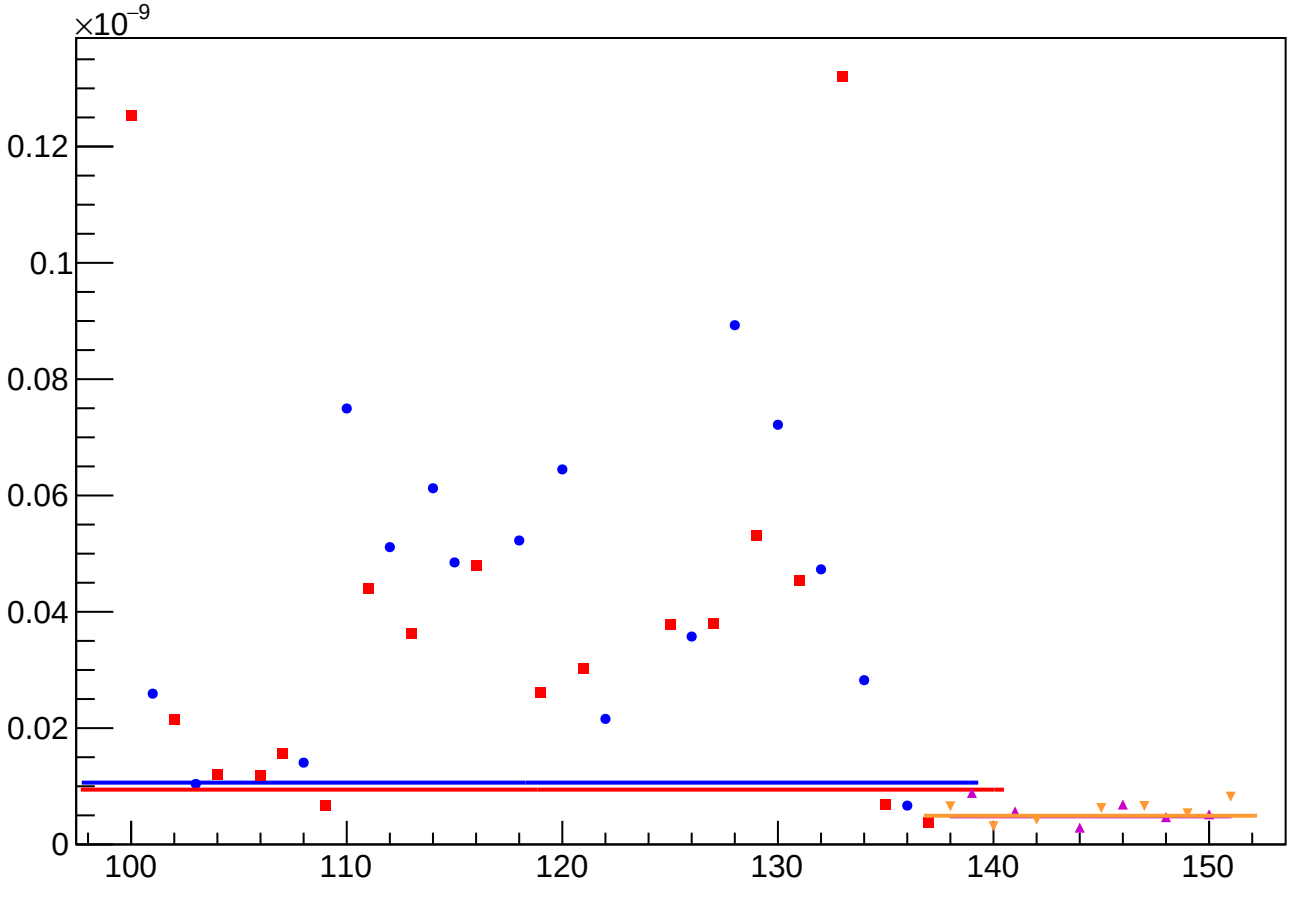
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: 0.000+/-0.000 χ^2/NDF:3.8/5

+ sign -0.000+/-0.000 χ^2/NDF: 26.3/22

All: 0.000+/-0.000 χ^2/NDF: 56.3/46

- sign 0.000+/-0.000 χ^2/NDF: 28.6/23



Right In: 0.000+/-0.000 χ^2/NDF: 4557309.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:701309.8/6

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

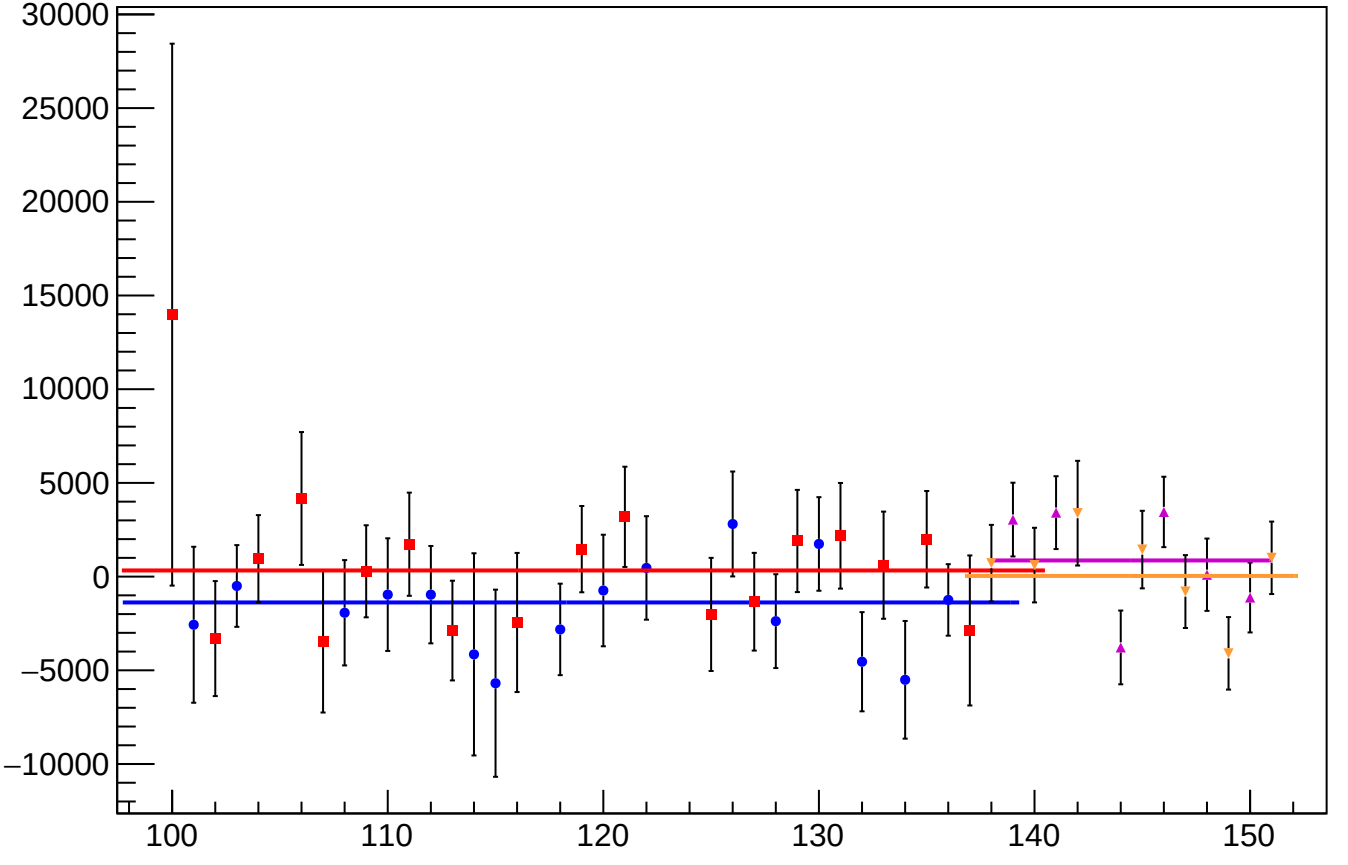
Left In: 0.000+/-0.000 χ^2/NDF:717675.3/5

+ sign 0.000+/-0.000 χ^2/NDF: 6447232.0/22

All: 0.000+/-0.000 χ^2/NDF: 12042859.1/46

- sign 0.000+/-0.000 χ^2/NDF: 5591656.1/23

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.758+/-689.030 χ^2/NDF: 9.3/15

Left Out: 36.139+/-778.020 χ^2/NDF:7.1/6

Right Out: 328.770+/-683.888 χ^2/NDF: 11.0/17

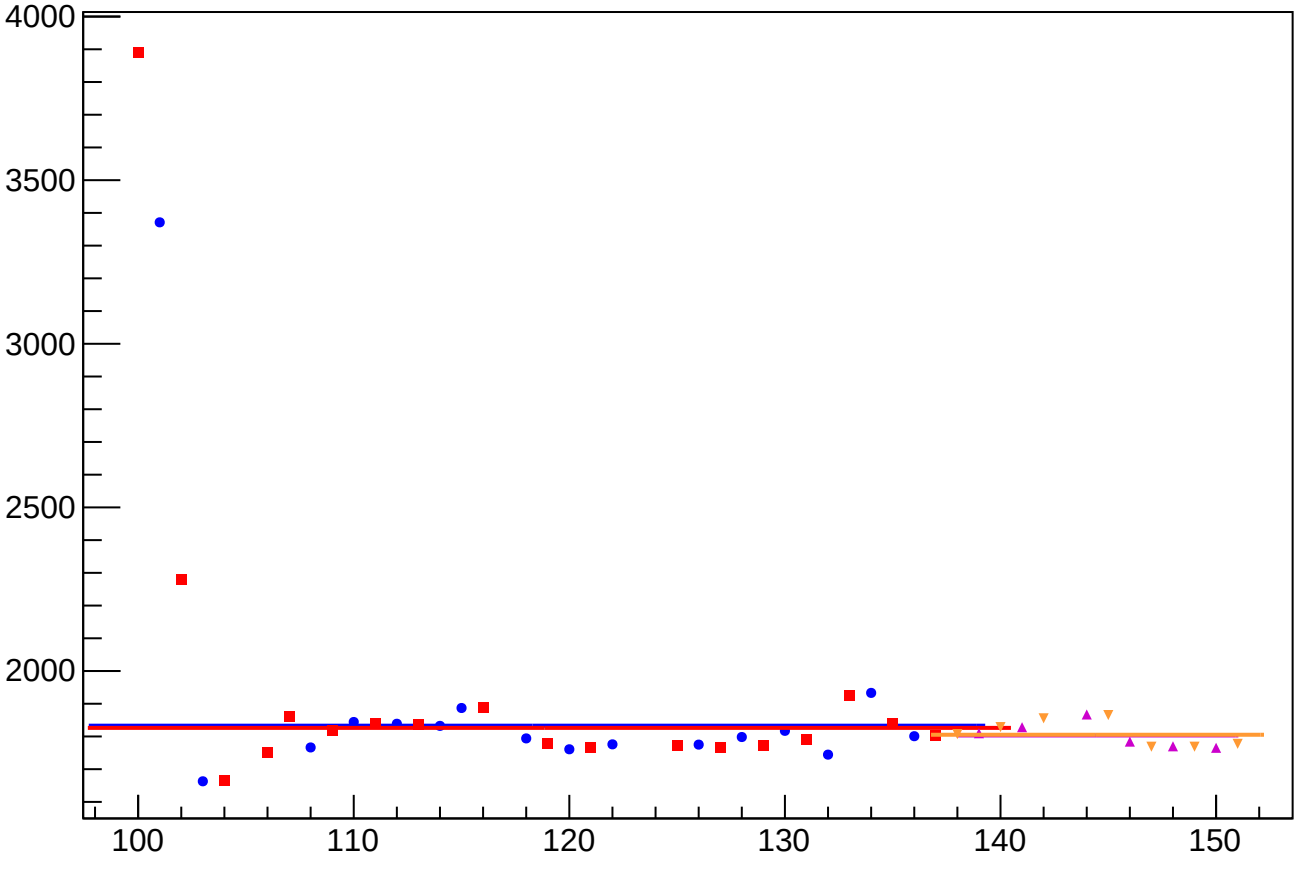
Left In: 862.278+/-785.363 χ^2/NDF:11.7/5

+ sign -756.821+/-515.824 χ^2/NDF: 18.2/22

All: -98.894+/-364.717 χ^2/NDF: 44.5/46

- sign 558.852+/-515.752 χ^2/NDF: 23.0/23

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1805.210+/-0.550 χ^2/NDF:4447.4/6

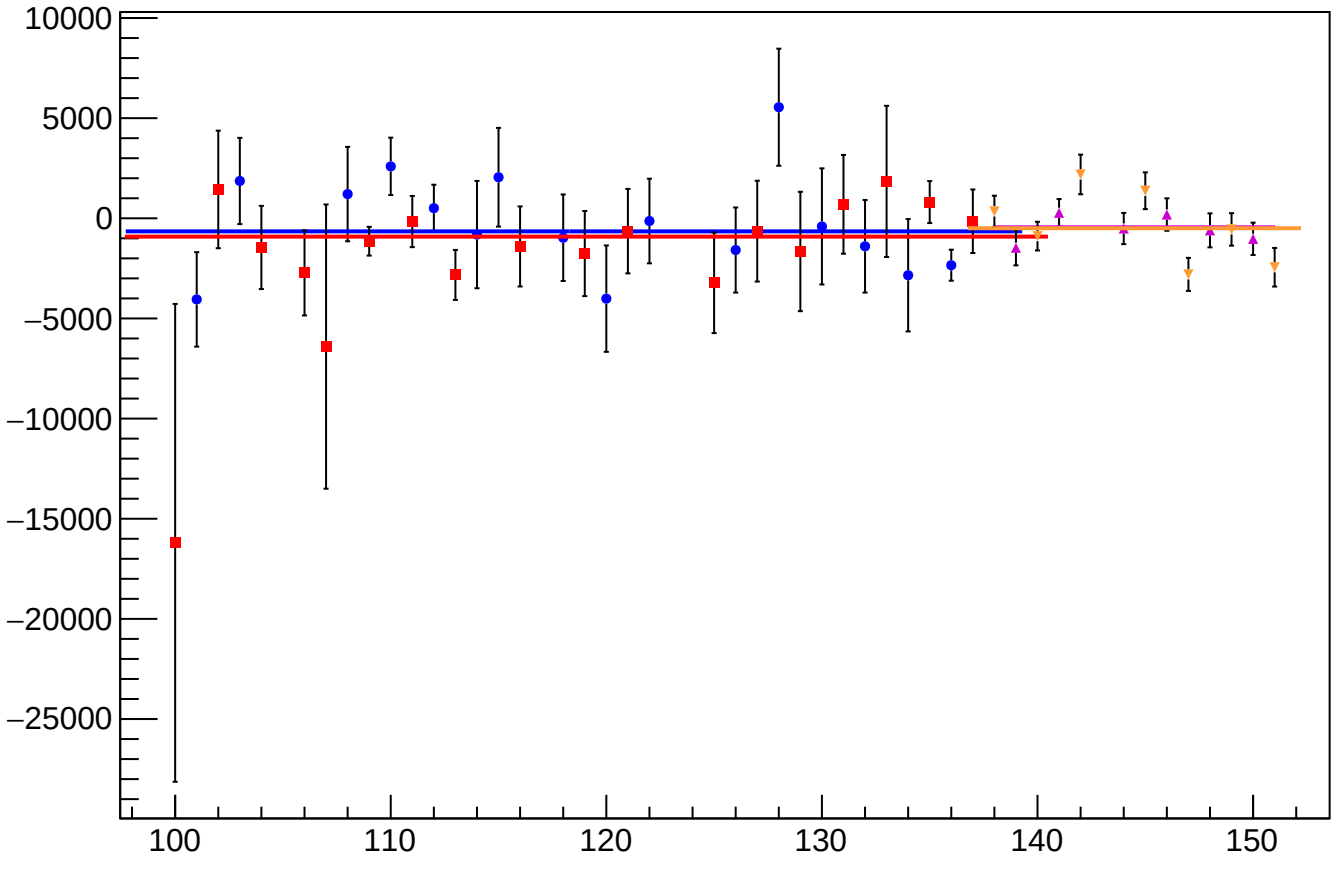
Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1803.027+/-0.555 χ^2/NDF:4092.2/5

+ sign 1820.755+/-0.365 χ^2/NDF: 301311.3/22

All: 1818.482+/-0.258 χ^2/NDF: 409478.7/46

- sign 1816.211+/-0.365 χ^2/NDF: 108089.8/23



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: -496.179+/-318.645 χ^2/NDF:24.8/6

Right Out: -914.717+/-393.421 χ^2/NDF: 11.5/17

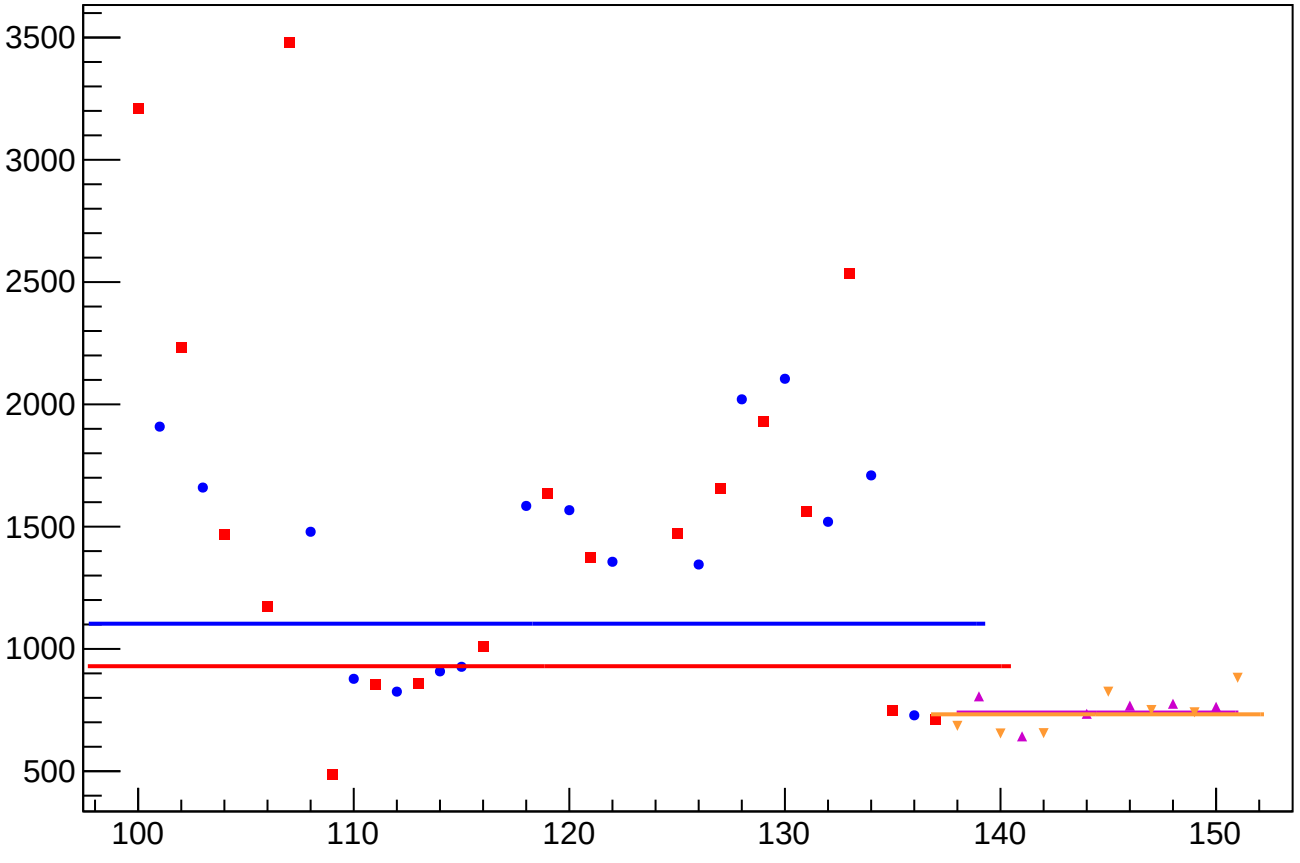
Left In: -450.430+/-324.176 χ^2/NDF:3.6/5

+ sign -549.427+/-258.506 χ^2/NDF: 48.1/22

All: -595.258+/-179.777 χ^2/NDF: 64.2/46

- sign -638.185+/-250.184 χ^2/NDF: 16.0/23

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: 732.656+/-0.225 χ^2/NDF:112750.6/6

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

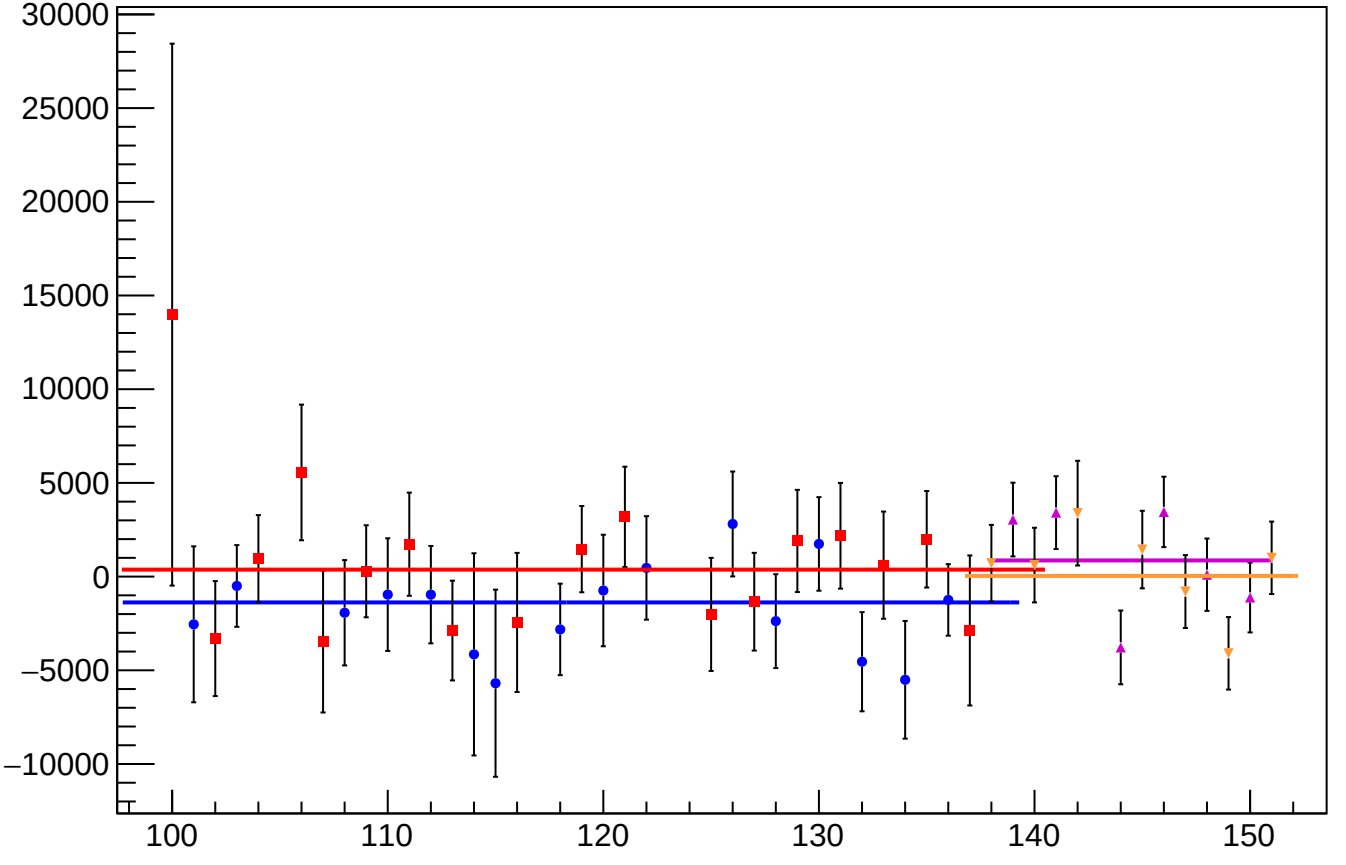
Left In: 739.919+/-0.229 χ^2/NDF:59451.9/5

\+ sign 859.320+/-0.183 χ^2/NDF: 2915384.2/22

All: 837.223+/-0.127 χ^2/NDF: 6333417.6/46

\- sign 816.526+/-0.177 χ^2/NDF: 3389732.7/23

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: 36.149+/-778.020 χ^2/NDF:7.1/6

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

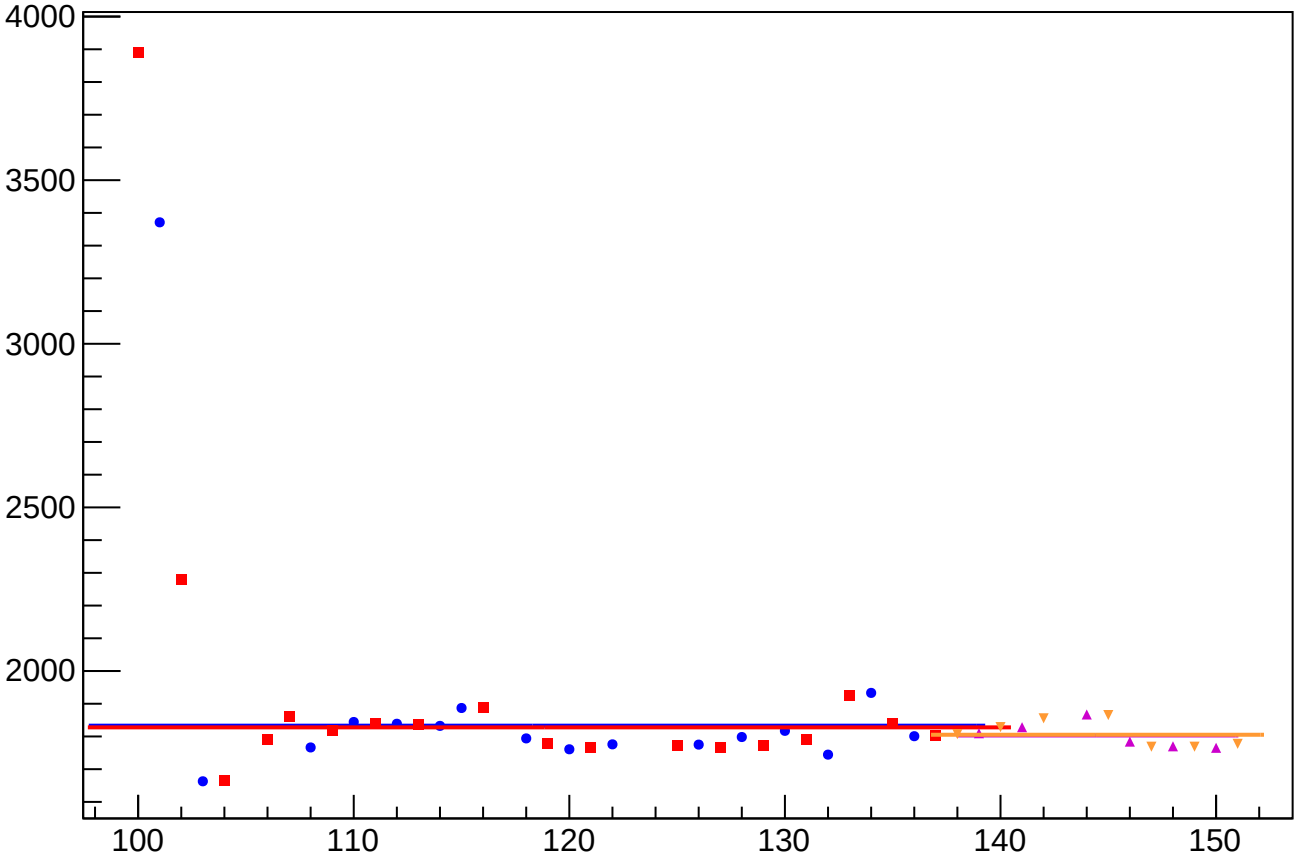
Left In: 862.381+/-785.363 χ^2/NDF:11.7/5

\+ sign -756.467+/-515.824 χ^2/NDF: 18.2/22

All: -86.445+/-364.796 χ^2/NDF: 45.5/46

\- sign 583.969+/-515.975 χ^2/NDF: 23.9/23

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1805.210+/-0.550 χ^2/NDF:4447.4/6

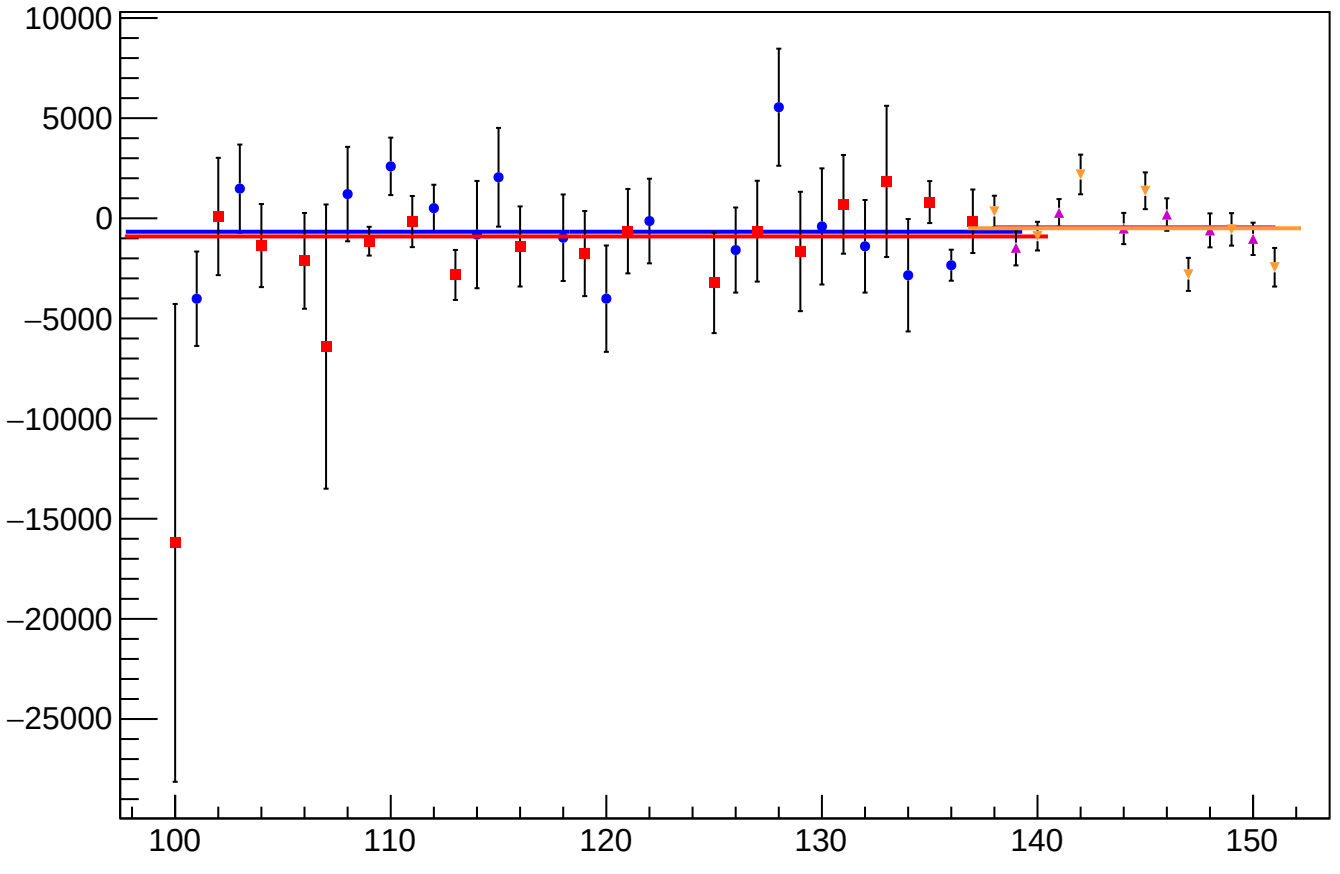
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1803.027+/-0.555 χ^2/NDF:4092.2/5

+ sign 1820.755+/-0.365 χ^2/NDF: 301313.2/22

All: 1818.927+/-0.258 χ^2/NDF: 408855.6/46

- sign 1817.099+/-0.365 χ^2/NDF: 107492.2/23



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -496.264+/-318.649 χ^2/NDF:24.8/6

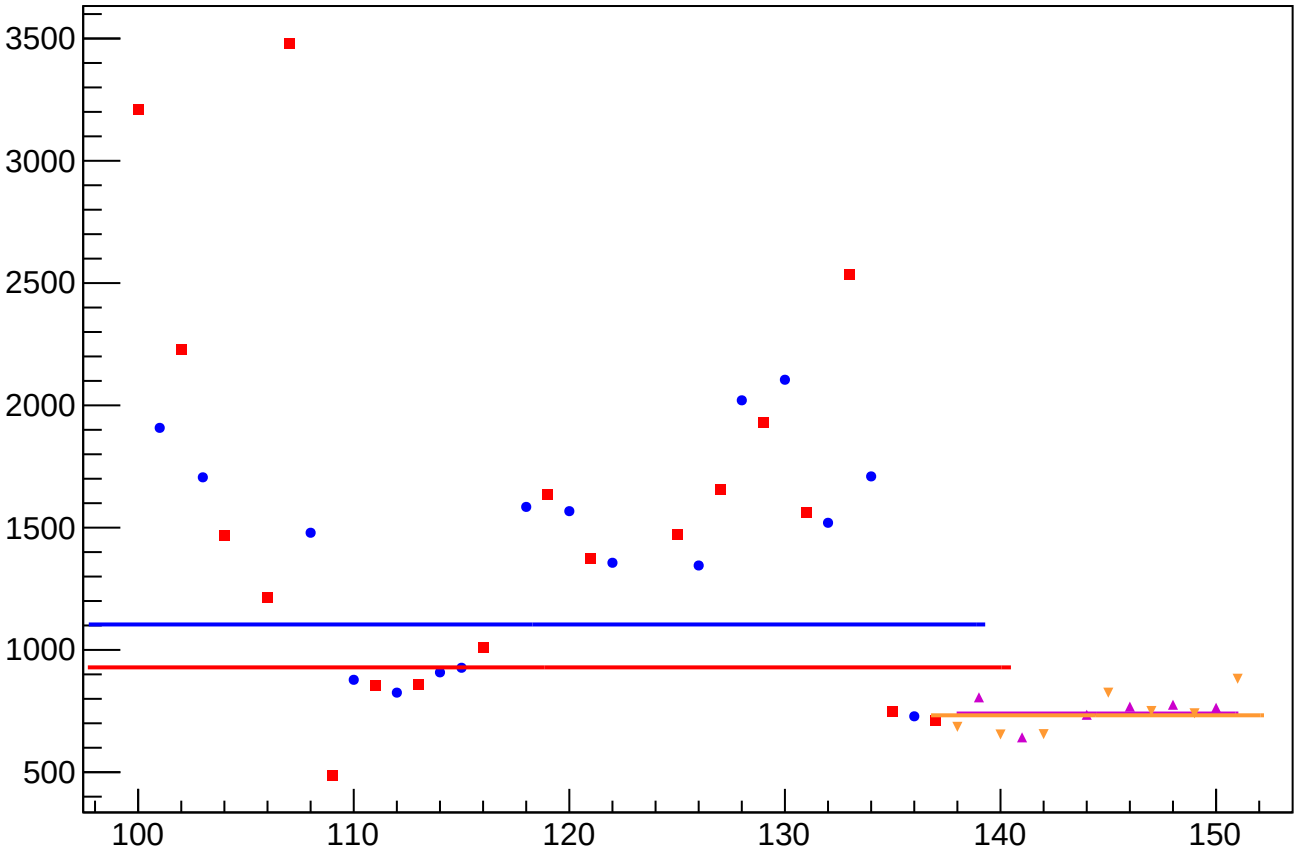
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -450.349+/-324.176 χ^2/NDF:3.6/5

+ sign -555.775+/-258.582 χ^2/NDF: 47.7/22

All: -596.012+/-179.935 χ^2/NDF: 62.7/46

- sign -633.785+/-250.542 χ^2/NDF: 14.9/23



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 732.665+/-0.225 χ^2/NDF:112740.9/6

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

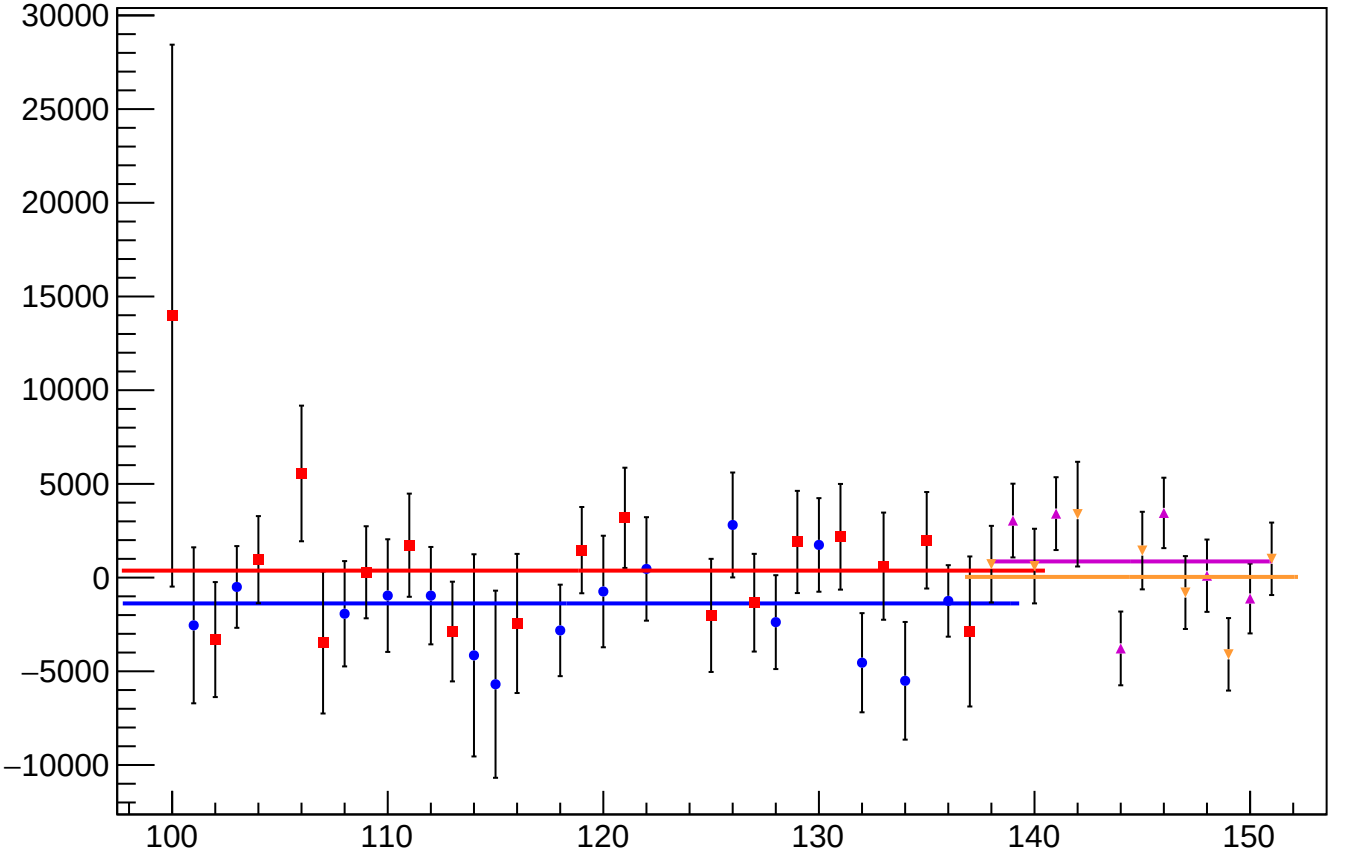
Left In: 739.919+/-0.229 χ^2/NDF:59476.5/5

+ sign 859.501+/-0.183 χ^2/NDF: 2935202.3/22

All: 837.018+/-0.127 χ^2/NDF: 6351292.1/46

- sign 815.911+/-0.177 χ^2/NDF: 3386775.1/23

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: 36.149+/-778.020 χ^2/NDF:7.1/6

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

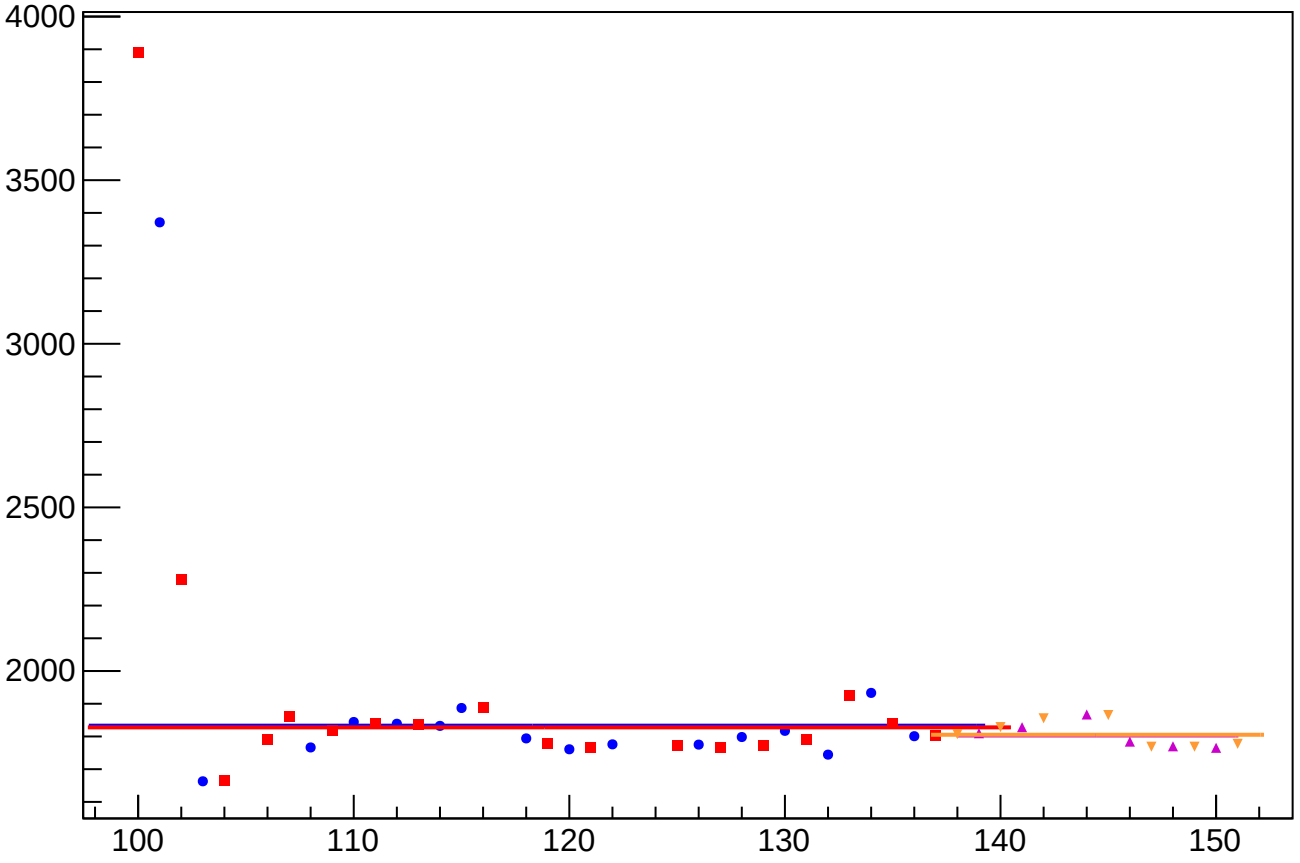
Left In: 862.381+/-785.363 χ^2/NDF:11.7/5

\+ sign -756.467+/-515.824 χ^2/NDF: 18.2/22

All: -86.445+/-364.796 χ^2/NDF: 45.5/46

\- sign 583.969+/-515.975 χ^2/NDF: 23.9/23

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: 1805.210+/-0.550 χ^2/NDF:4447.4/6

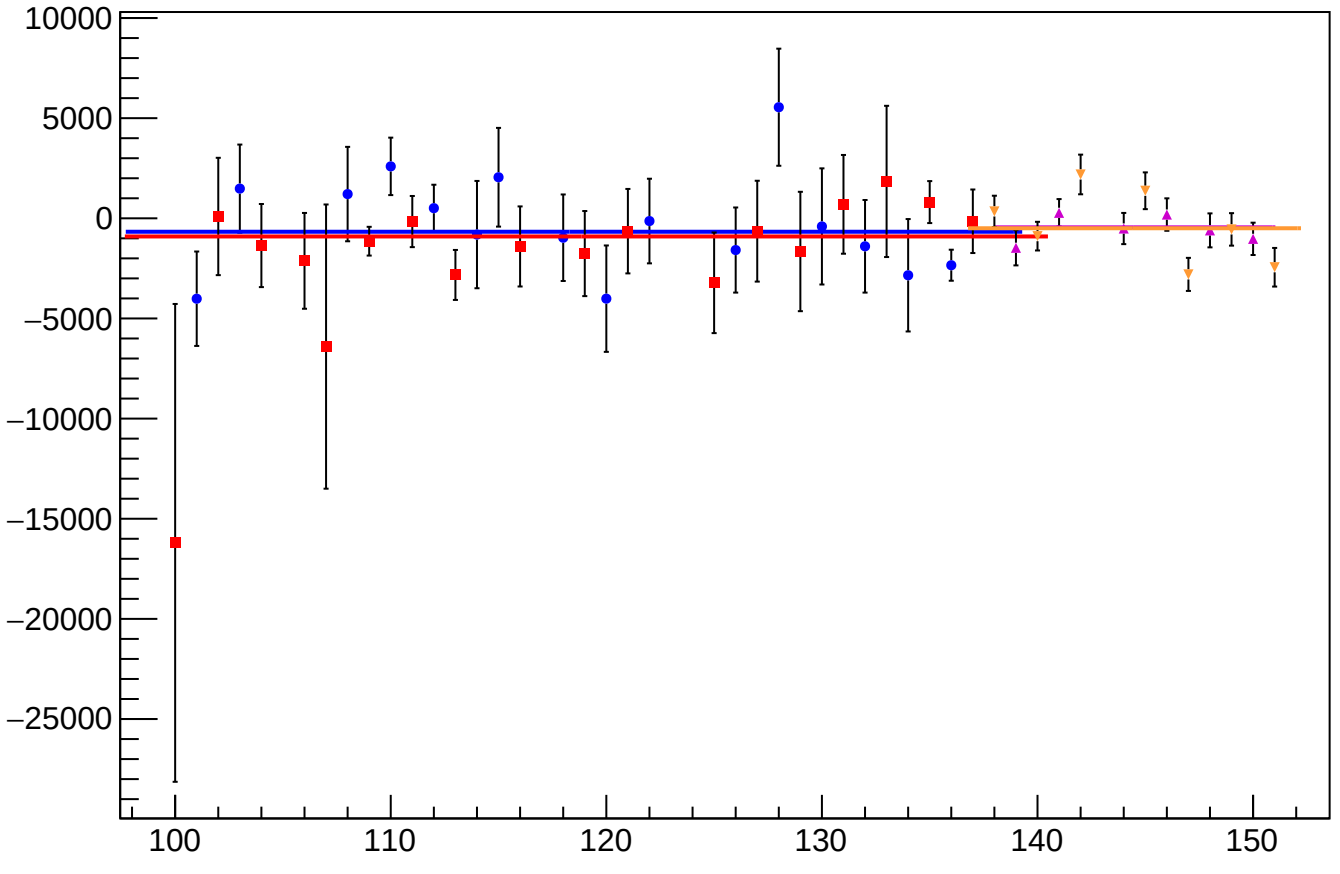
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1803.027+/-0.555 χ^2/NDF:4092.2/5

+ sign 1820.755+/-0.365 χ^2/NDF: 301313.2/22

All: 1818.927+/-0.258 χ^2/NDF: 408855.6/46

- sign 1817.099+/-0.365 χ^2/NDF: 107492.2/23



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -496.264+/-318.649 χ^2/NDF:24.8/6

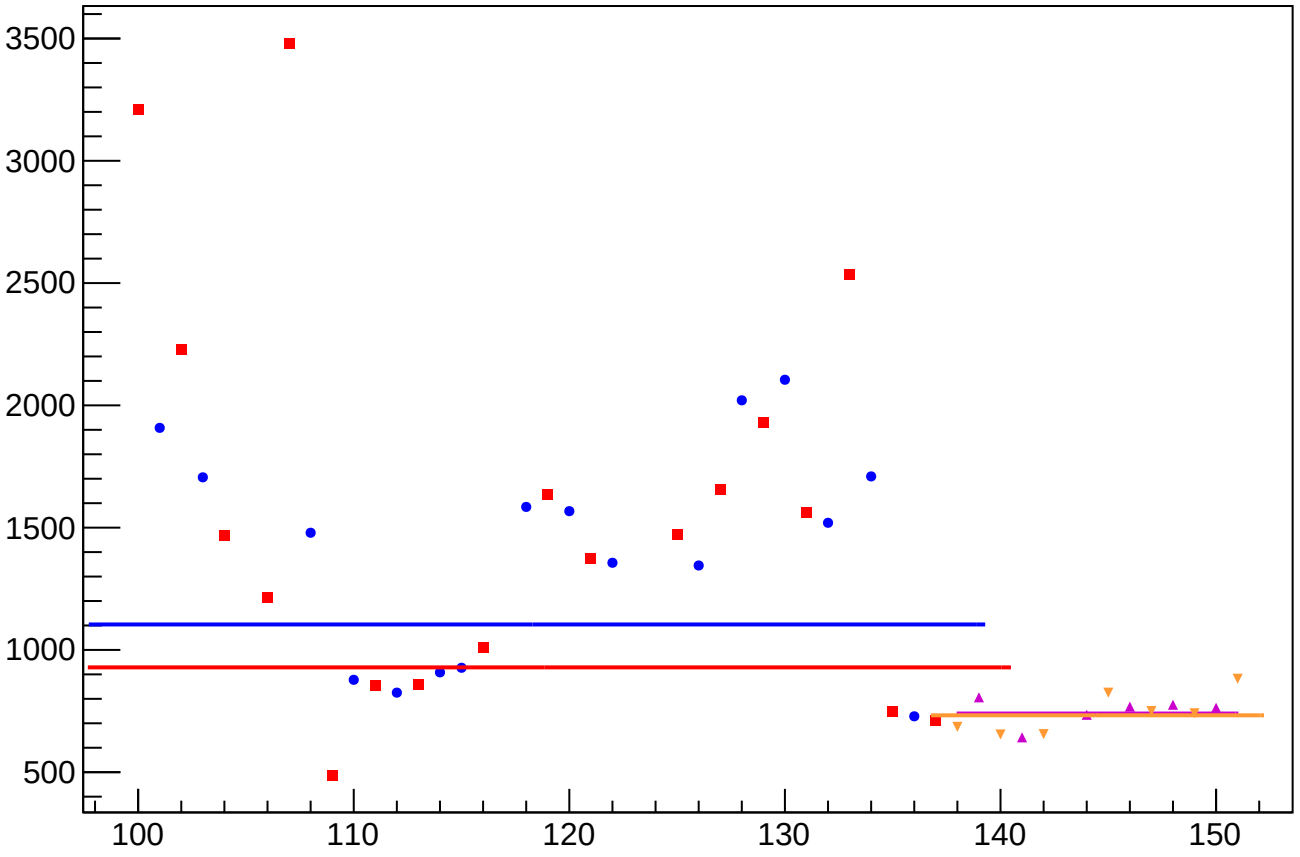
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -450.349+/-324.176 χ^2/NDF:3.6/5

+ sign -555.775+/-258.582 χ^2/NDF: 47.7/22

All: -596.012+/-179.935 χ^2/NDF: 62.7/46

- sign -633.785+/-250.542 χ^2/NDF: 14.9/23



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 732.665+/-0.225 χ^2/NDF:112740.9/6

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

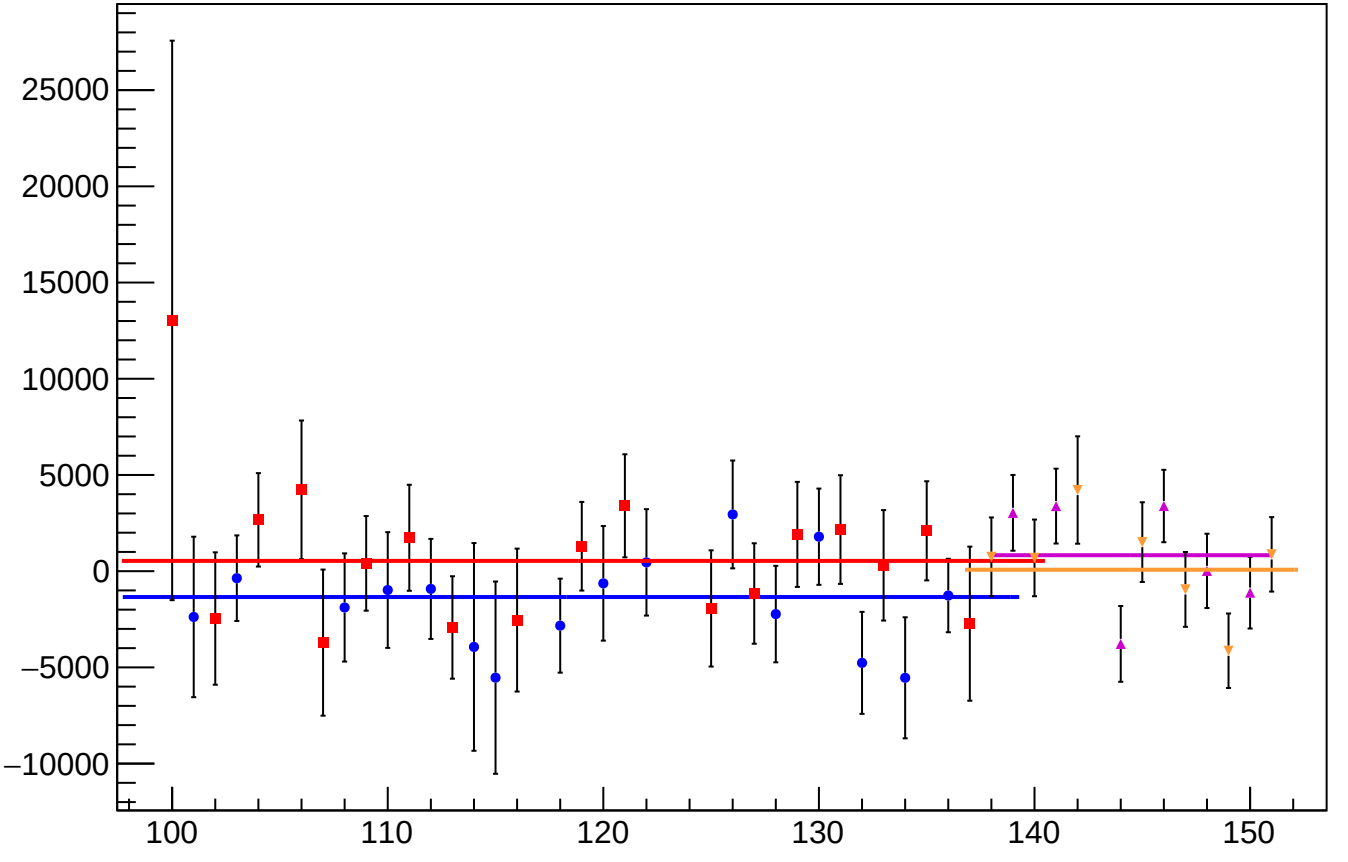
Left In: 739.919+/-0.229 χ^2/NDF:59476.5/5

+ sign 859.501+/-0.183 χ^2/NDF: 2935202.3/22

All: 837.018+/-0.127 χ^2/NDF: 6351292.1/46

- sign 815.911+/-0.177 χ^2/NDF: 3386775.1/23

dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1343.952+/-690.940 χ^2/NDF: 9.6/15

Left Out: 75.583+/-778.408 χ^2/NDF:8.1/6

Right Out: 534.194+/-690.970 χ^2/NDF: 11.1/17

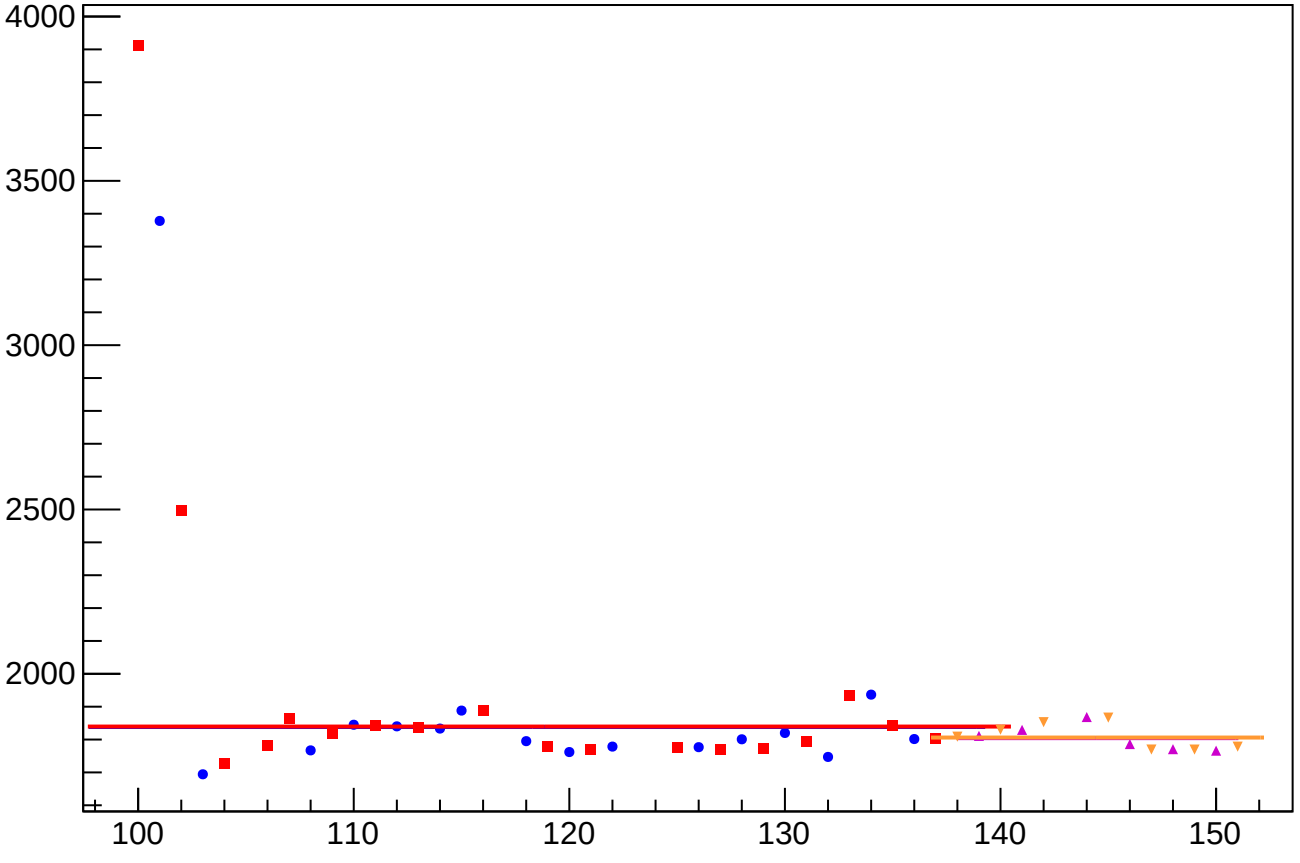
Left In: 829.292+/-785.904 χ^2/NDF:11.6/5

+ sign -718.388+/-516.737 χ^2/NDF: 19.5/22

All: -30.686+/-366.160 χ^2/NDF: 45.9/46

- sign 662.853+/-518.925 χ^2/NDF: 22.8/23

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1806.087+/-0.550 χ^2/NDF:4395.1/6

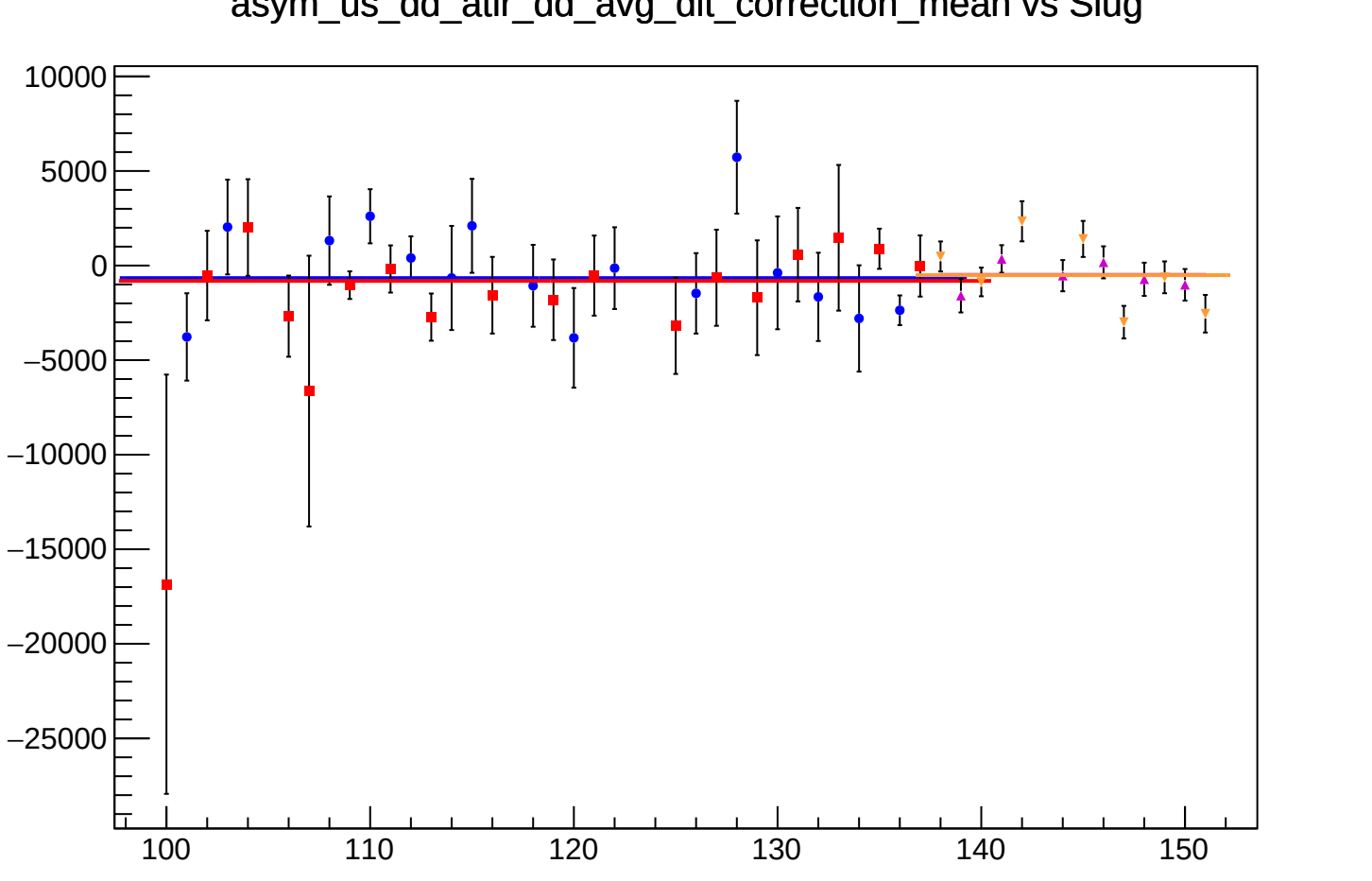
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1804.265+/-0.556 χ^2/NDF:4109.1/5

+ sign 1824.026+/-0.365 χ^2/NDF: 298278.1/22

All: 1824.087+/-0.259 χ^2/NDF: 432910.4/46

- sign 1824.148+/-0.367 χ^2/NDF: 134632.3/23



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: -507.185+/-331.663 χ^2/NDF:25.6/6

Right Out: -812.187+/-397.187 χ^2/NDF: 12.2/17

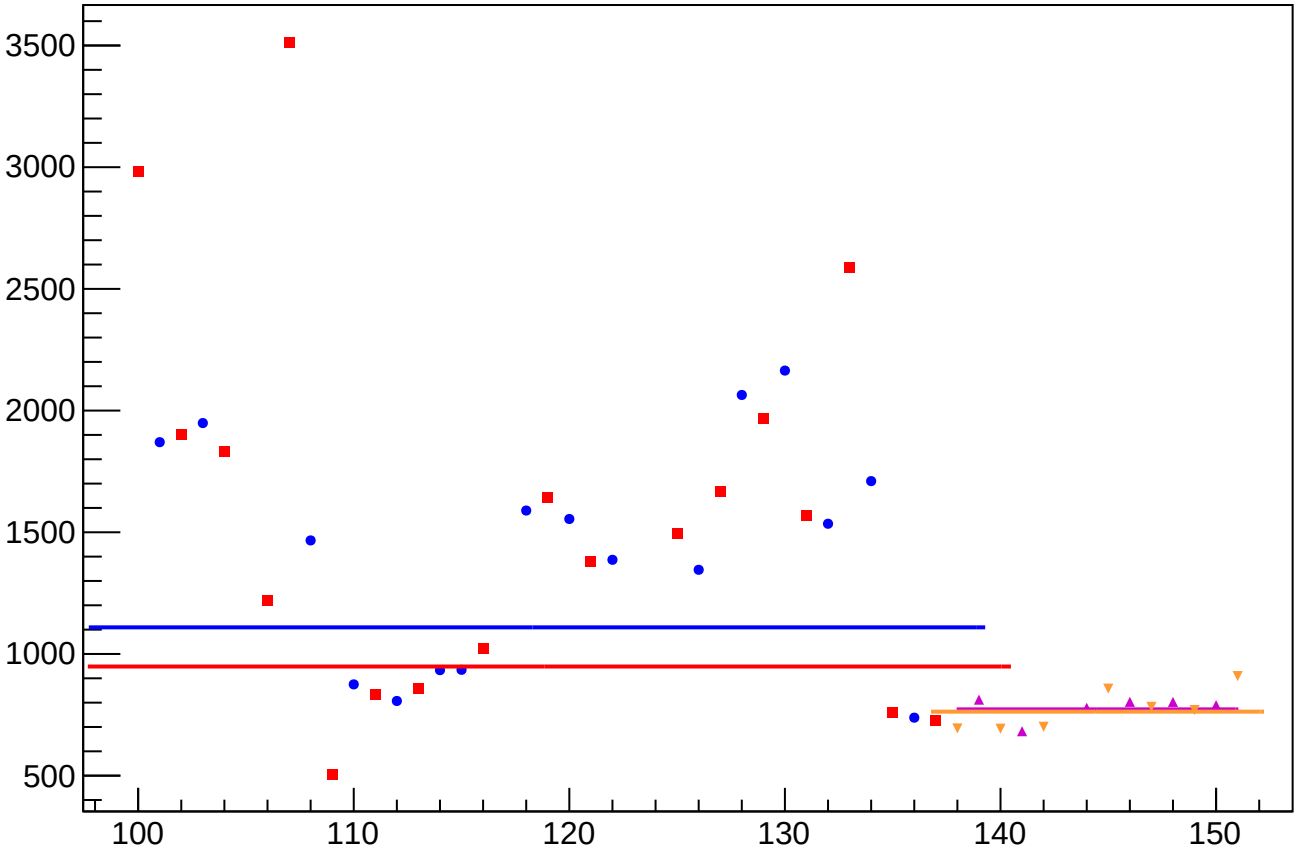
Left In: -492.858+/-337.969 χ^2/NDF:4.0/5

+ sign -562.858+/-266.120 χ^2/NDF: 48.4/22

All: -595.980+/-185.014 χ^2/NDF: 65.0/46

- sign -626.966+/-257.397 χ^2/NDF: 16.6/23

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: 763.047+/-0.235 χ^2/NDF:103059.6/6

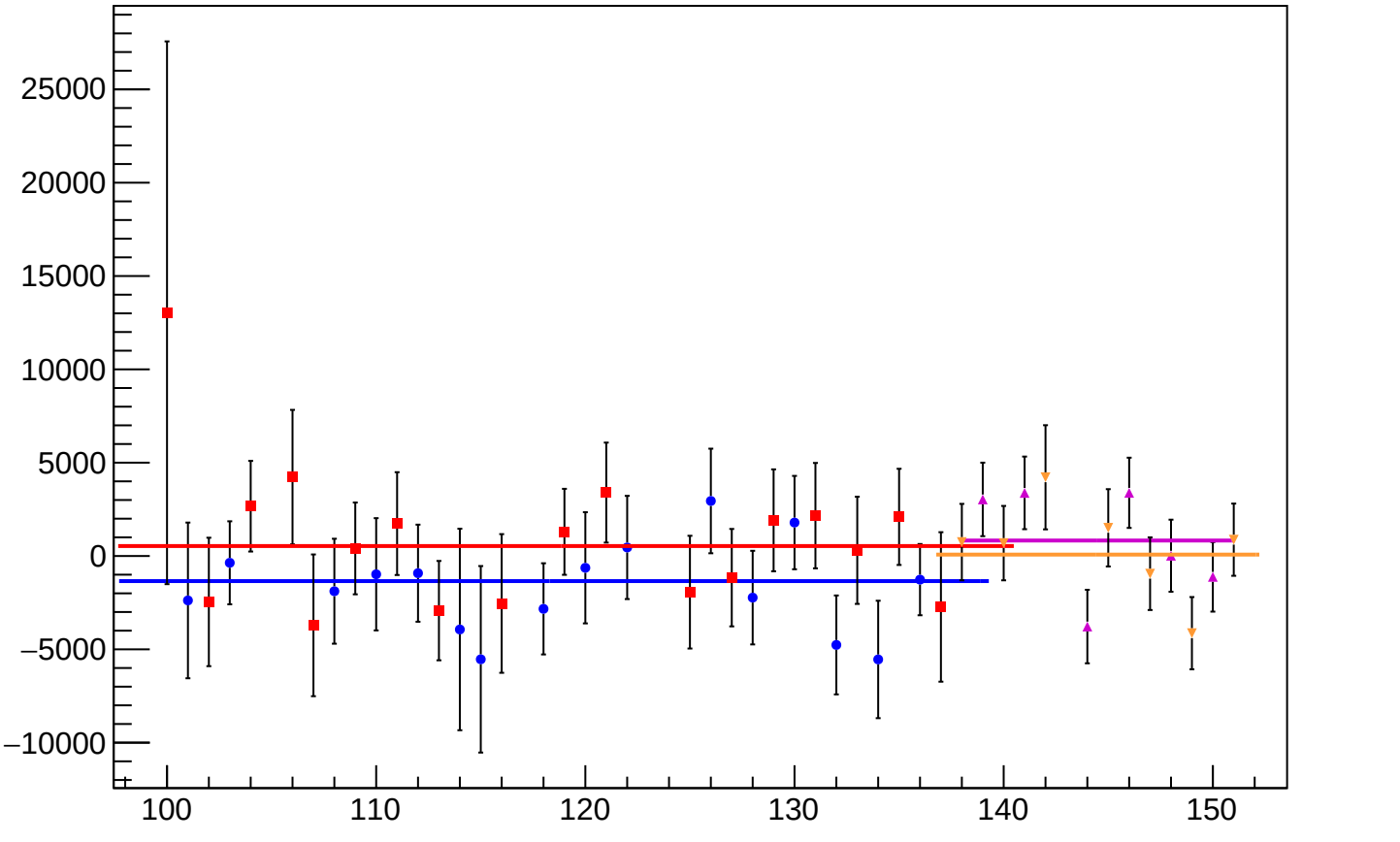
Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 772.324+/-0.239 χ^2/NDF:40630.4/5

+ sign 886.399+/-0.188 χ^2/NDF: 2853122.3/22

All: 865.674+/-0.131 χ^2/NDF: 6198976.2/46

- sign 846.286+/-0.182 χ^2/NDF: 3322377.4/23



Right In: -1343.955+/-690.940 χ^2/NDF: 9.6/15

Left Out: 75.584+/-778.408 χ^2/NDF:8.1/6

Right Out: 534.199+/-690.970 χ^2/NDF: 11.1/17

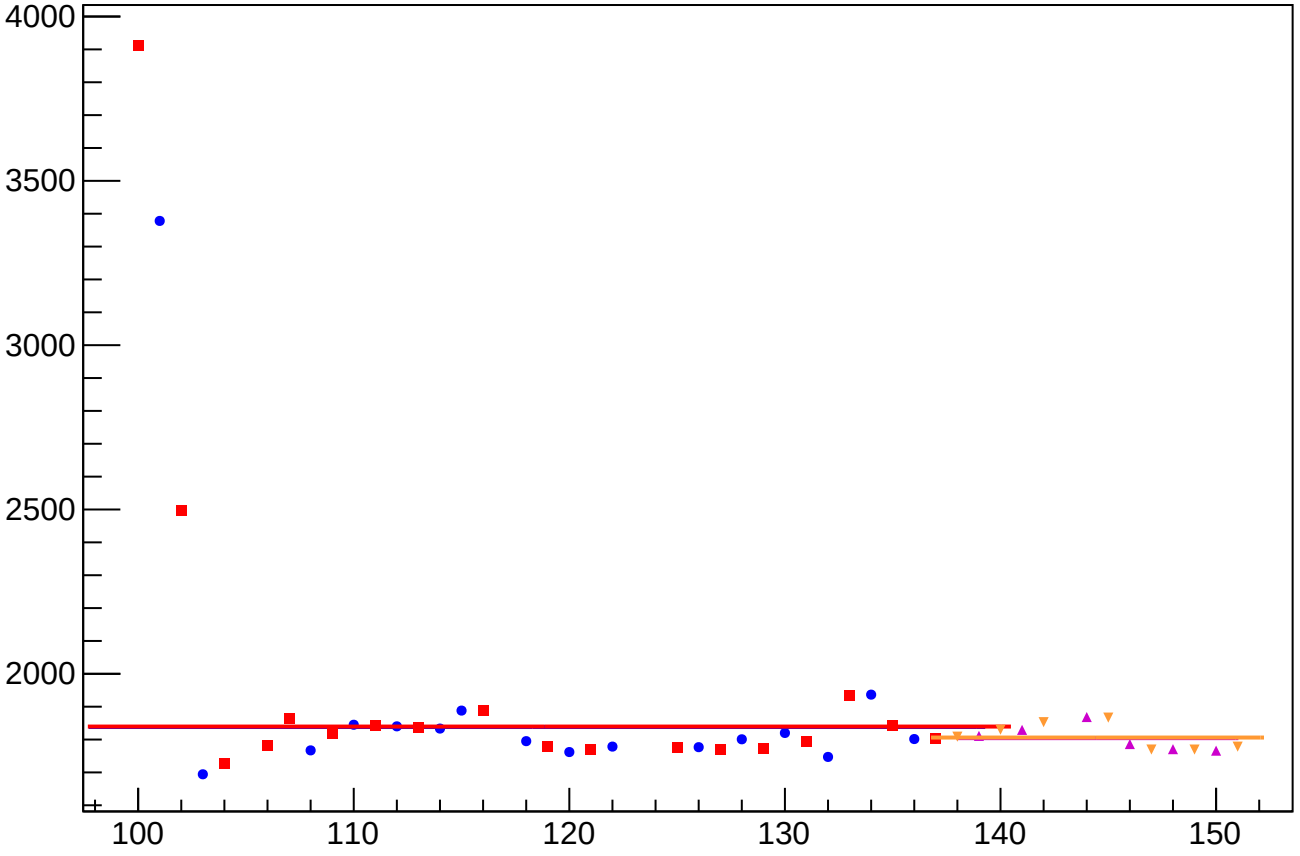
Left In: 829.288+/-785.904 χ^2/NDF:11.6/5

+ sign -718.389+/-516.737 χ^2/NDF: 19.5/22

All: -30.686+/-366.160 χ^2/NDF: 45.9/46

- sign 662.853+/-518.925 χ^2/NDF: 22.8/23

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: 1806.087+/-0.550 χ^2/NDF:4395.1/6

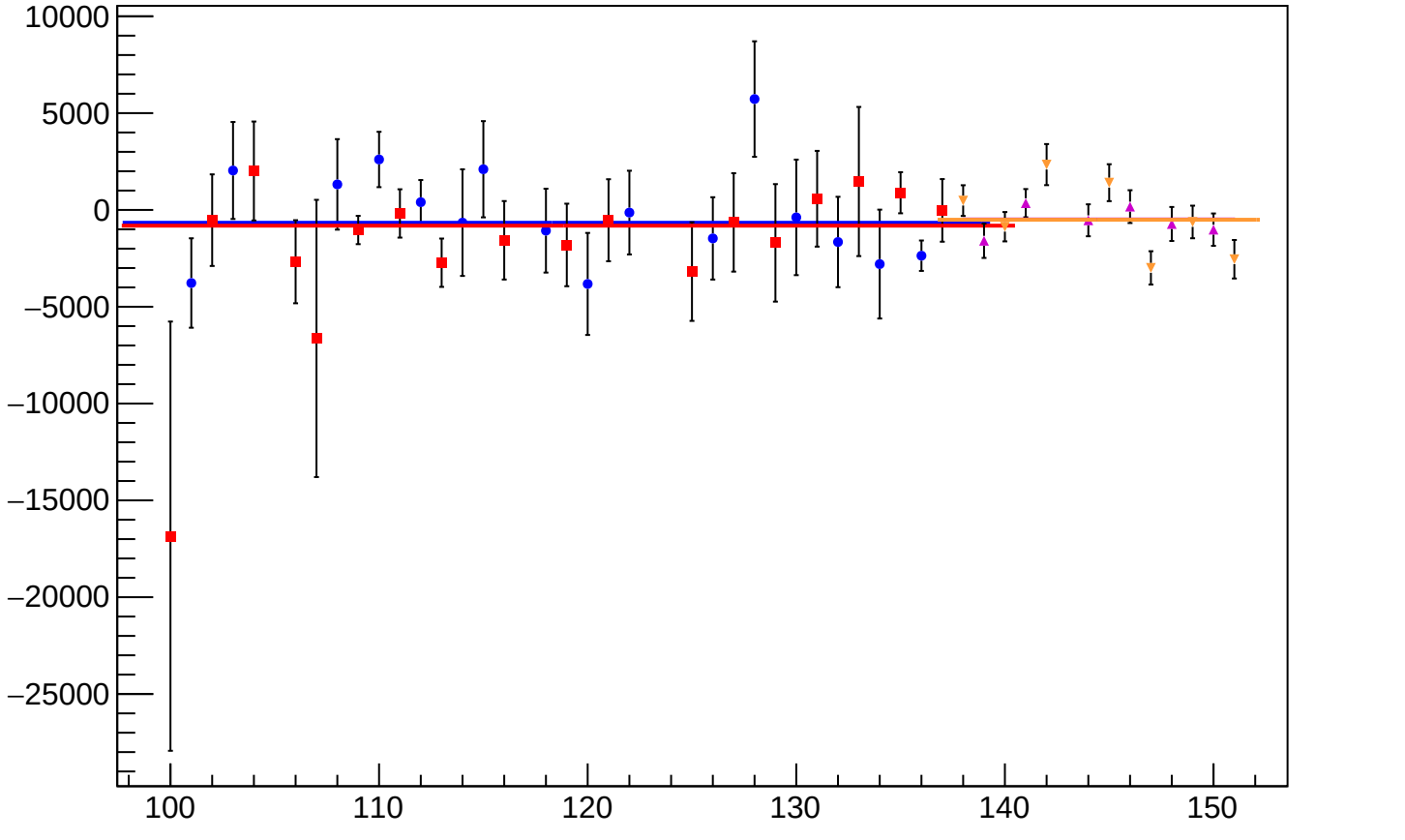
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1804.265+/-0.556 χ^2/NDF:4109.1/5

+ sign 1824.026+/-0.365 χ^2/NDF: 298278.1/22

All: 1824.087+/-0.259 χ^2/NDF: 432910.5/46

- sign 1824.148+/-0.367 χ^2/NDF: 134632.3/23



Right In: -663.476+/-445.904 χ^2/NDF: 22.8/15

Left Out: -507.193+/-331.665 χ^2/NDF:25.6/6

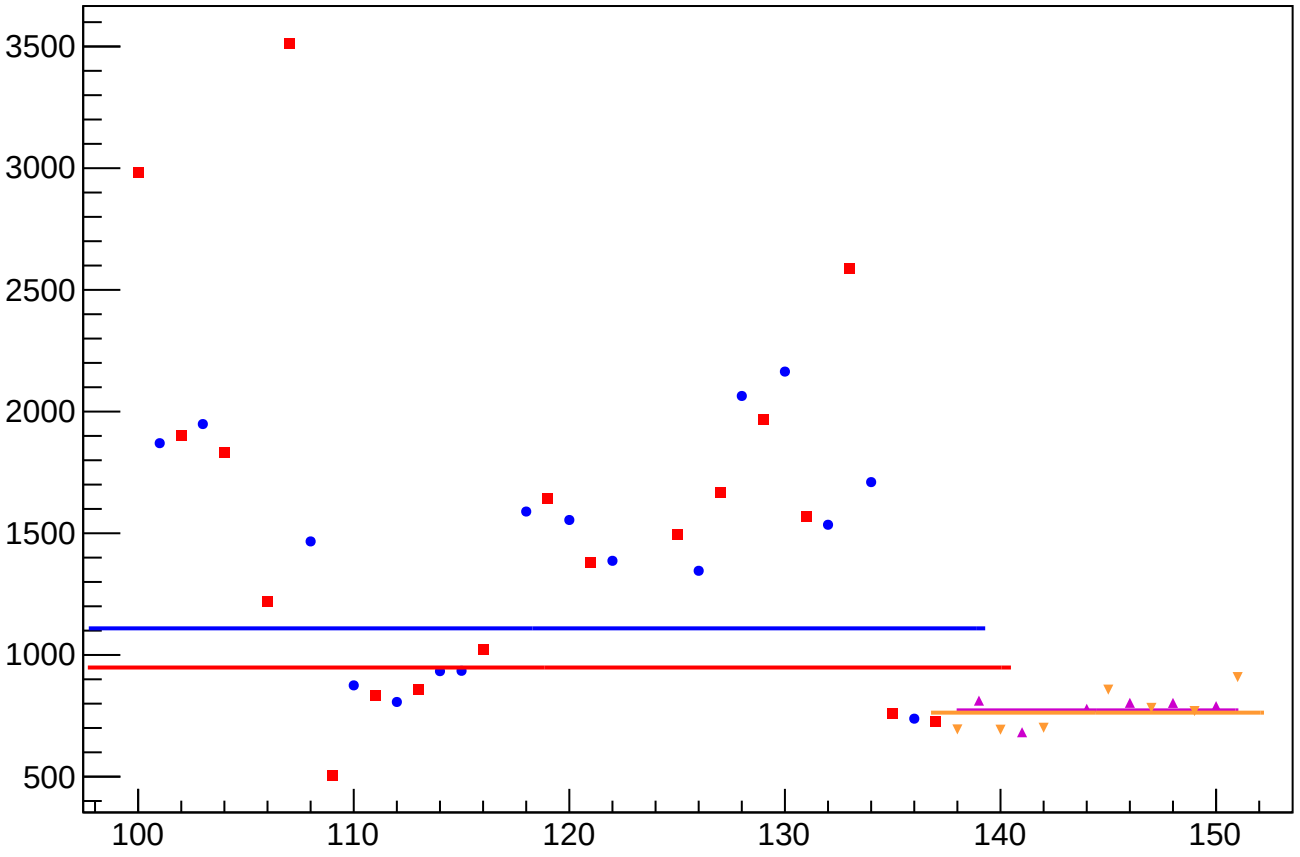
Right Out: -812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: -492.856+/-337.970 χ^2/NDF:4.0/5

+ sign -562.859+/-266.121 χ^2/NDF: 48.4/22

All: -595.981+/-185.015 χ^2/NDF: 65.0/46

- sign -626.968+/-257.397 χ^2/NDF: 16.6/23



Right In: 1109.365+/-0.315 χ^2/NDF: 1973324.5/15

Left Out: 763.051+/-0.235 χ^2/NDF:103050.3/6

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

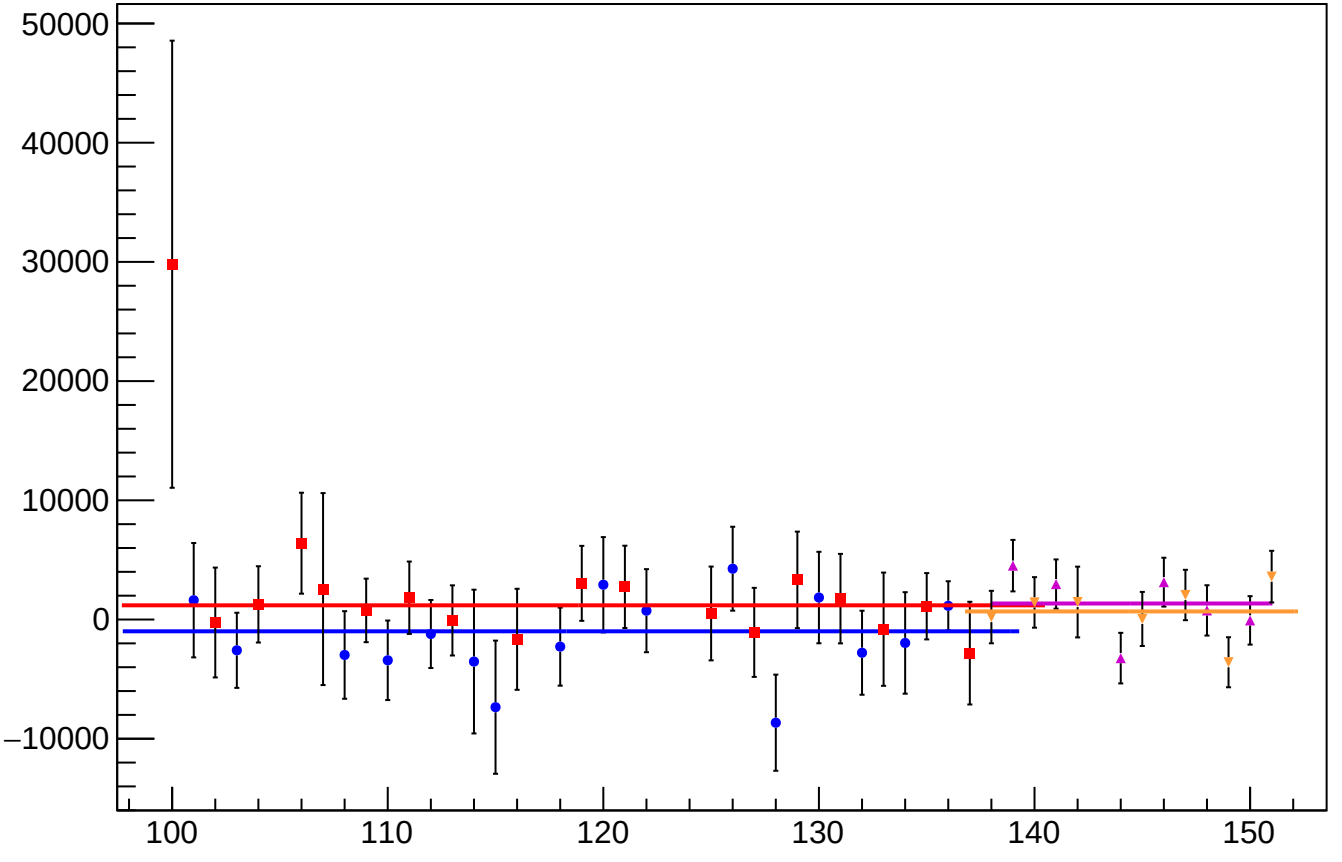
Left In: 772.325+/-0.239 χ^2/NDF:40630.6/5

+ sign 886.403+/-0.188 χ^2/NDF: 2853065.1/22

All: 865.677+/-0.131 χ^2/NDF: 6198898.3/46

- sign 846.288+/-0.182 χ^2/NDF: 3322354.0/23

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: 678.248+/-845.030 χ^2/NDF:6.7/6

Right Out: 1192.173+/-870.432 χ^2/NDF: 7.0/17

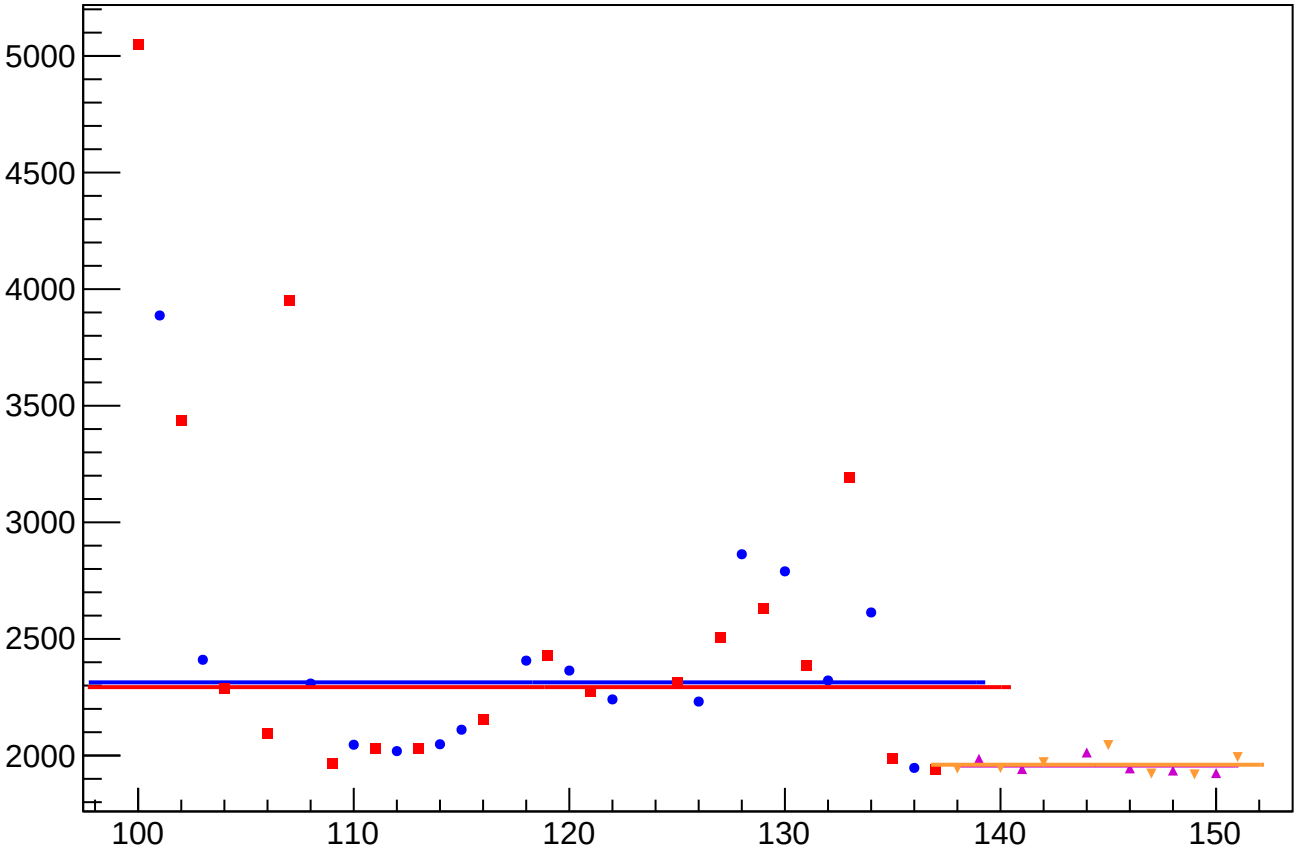
Left In: 1344.891+/-852.386 χ^2/NDF:8.8/5

+ sign -126.730+/-607.456 χ^2/NDF: 20.5/22

All: 569.919+/-430.084 χ^2/NDF: 38.9/46

- sign 1270.131+/-609.008 χ^2/NDF: 15.8/23

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2313.740+/-0.618 χ^2/NDF: 402756.6/15

Left Out: 1960.540+/-0.598 χ^2/NDF:4865.3/6

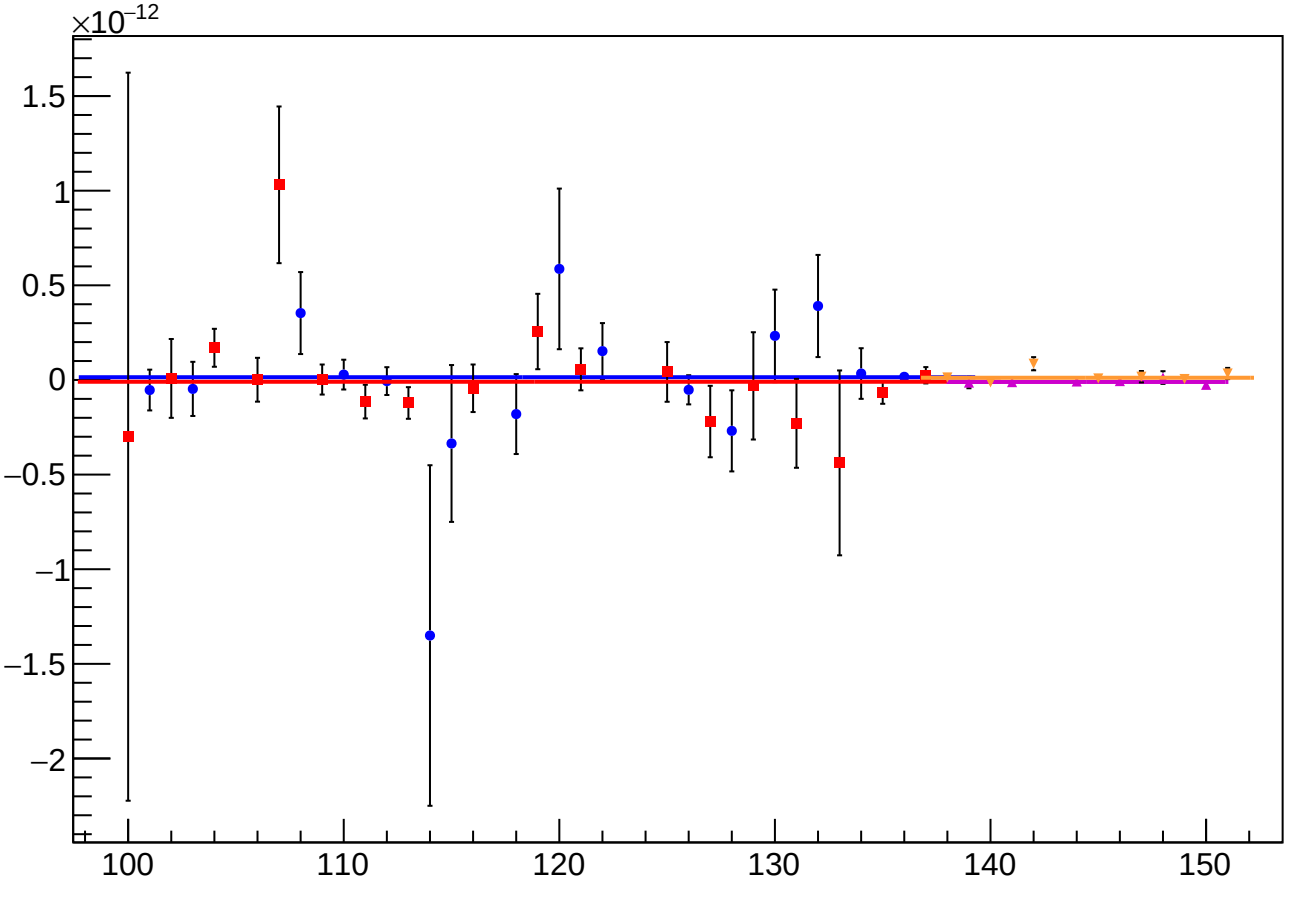
Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1956.883+/-0.603 χ^2/NDF:2634.5/5

+ sign 2131.222+/-0.430 χ^2/NDF: 576469.9/22

All: 2126.402+/-0.304 χ^2/NDF: 1185043.8/46

- sign 2121.556+/-0.431 χ^2/NDF: 608321.3/23



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

Left Out: 0.000+/-0.000 χ^2/NDF:7.2/6

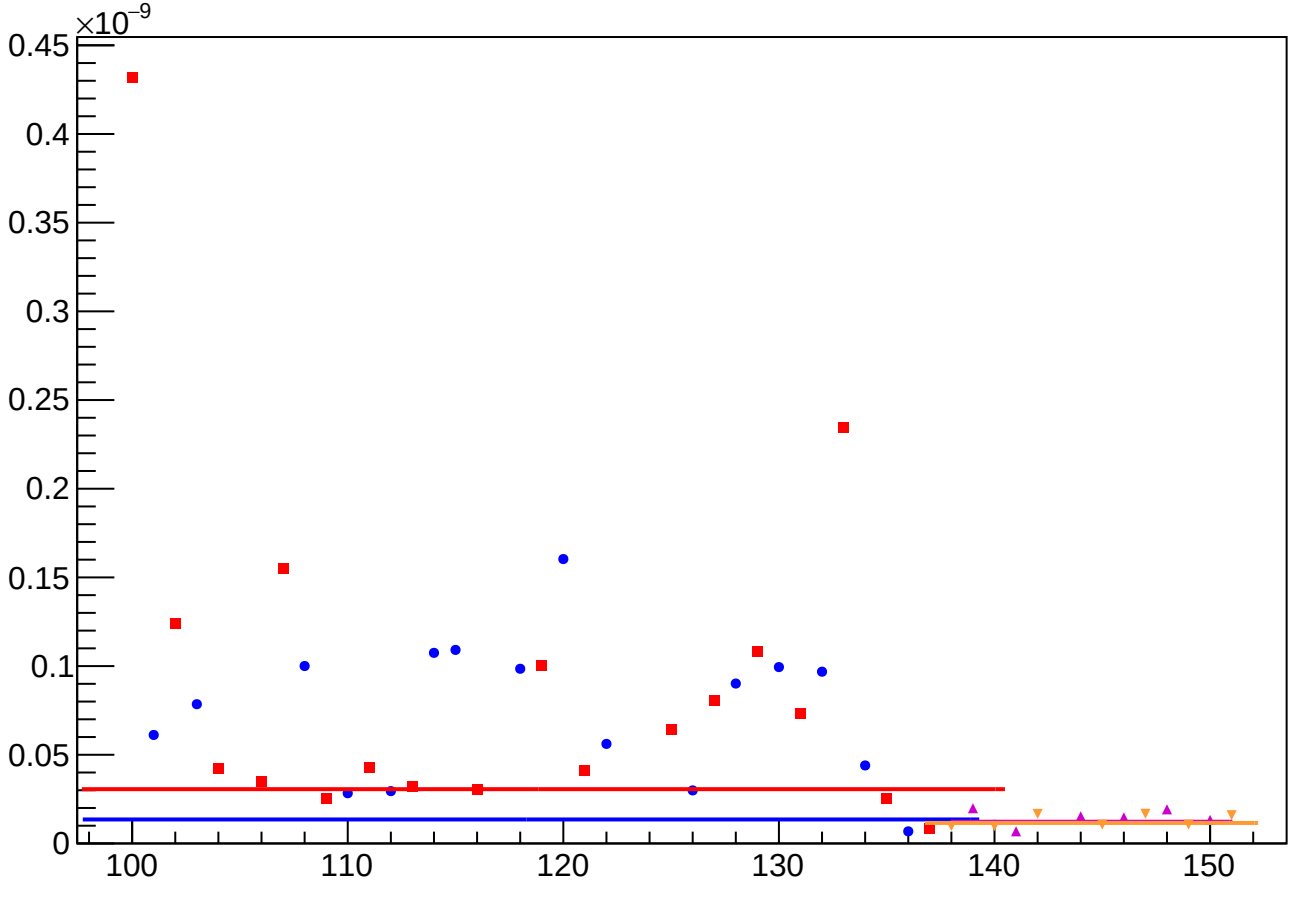
Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:0.9/5

+ sign 0.000+/-0.000 χ^2/NDF: 22.2/22

All: 0.000+/-0.000 χ^2/NDF: 46.7/46

- sign -0.000+/-0.000 χ^2/NDF: 20.4/23



Right In: 0.000+/-0.000 χ^2/NDF: 3416094.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:190324.5/6

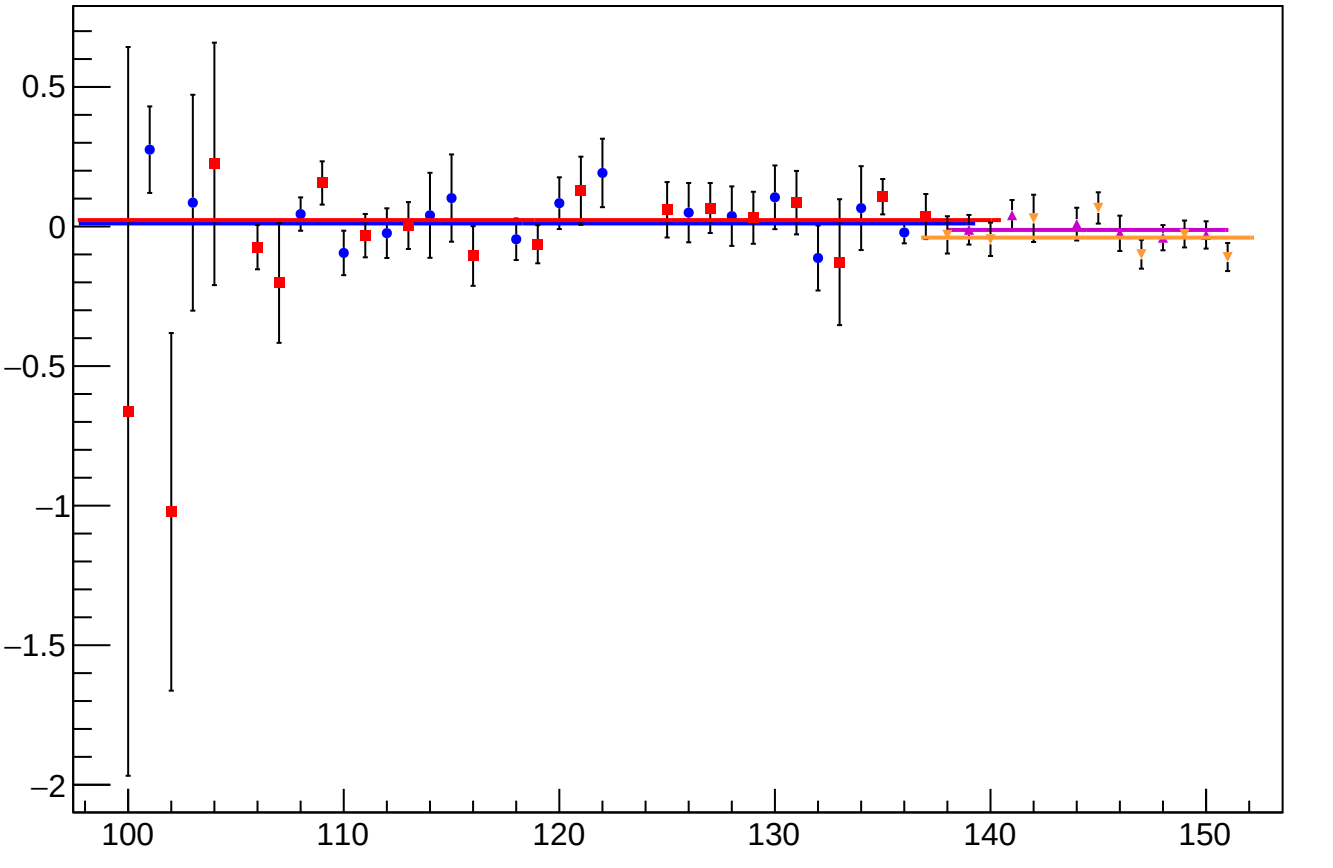
Right Out: 0.000+/-0.000 χ^2/NDF: 2349183.7/17

Left In: 0.000+/-0.000 χ^2/NDF:553863.7/5

+ sign 0.000+/-0.000 χ^2/NDF: 3634966.6/22

All: 0.000+/-0.000 χ^2/NDF: 7647919.9/46

- sign 0.000+/-0.000 χ^2/NDF: 3917751.4/23



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.040+/-0.022 χ^2/NDF:7.6/6

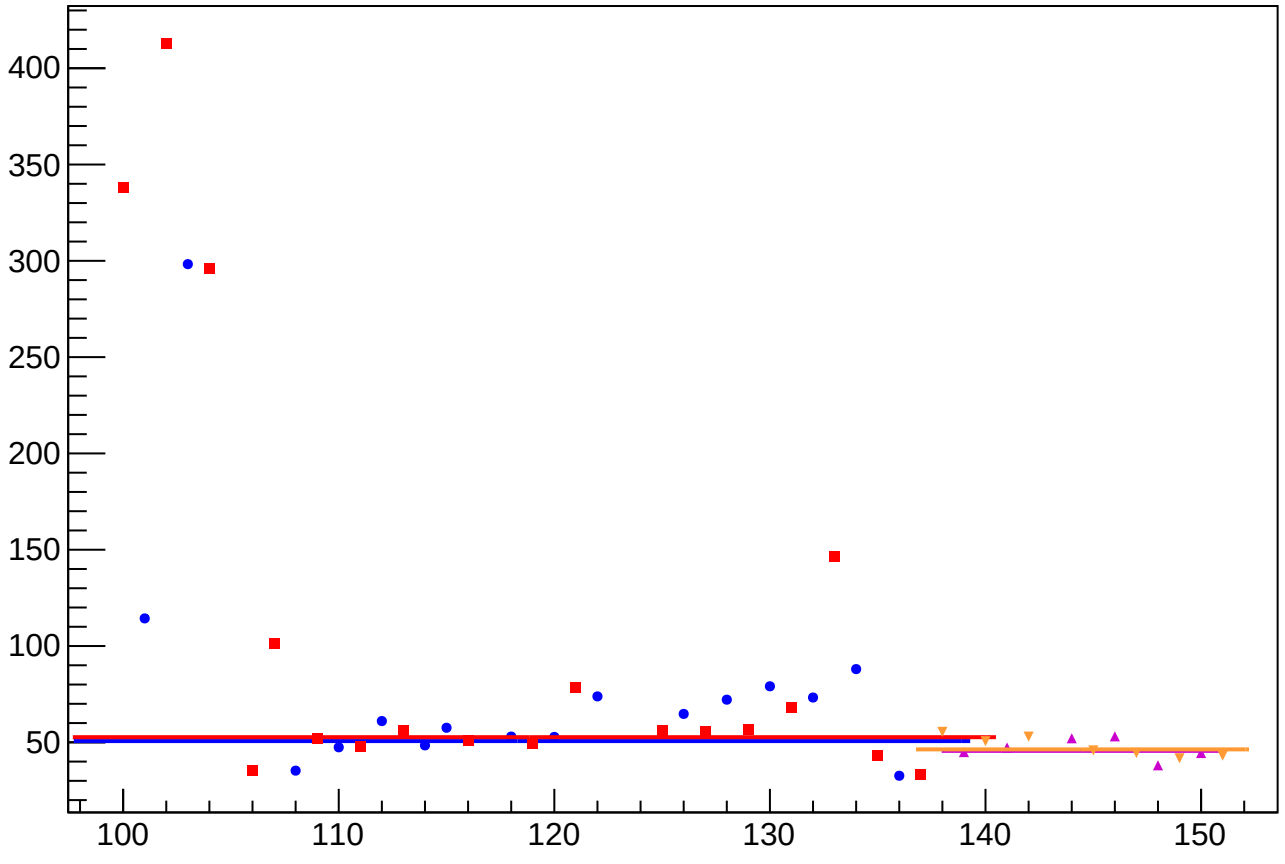
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.012+/-0.022 χ^2/NDF:1.6/5

+ sign -0.015+/-0.015 χ^2/NDF: 22.1/22

All: -0.006+/-0.011 χ^2/NDF: 41.6/46

- sign 0.004+/-0.016 χ^2/NDF: 18.8/23



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 46.333+/-0.015 χ^2/NDF:88942.1/6

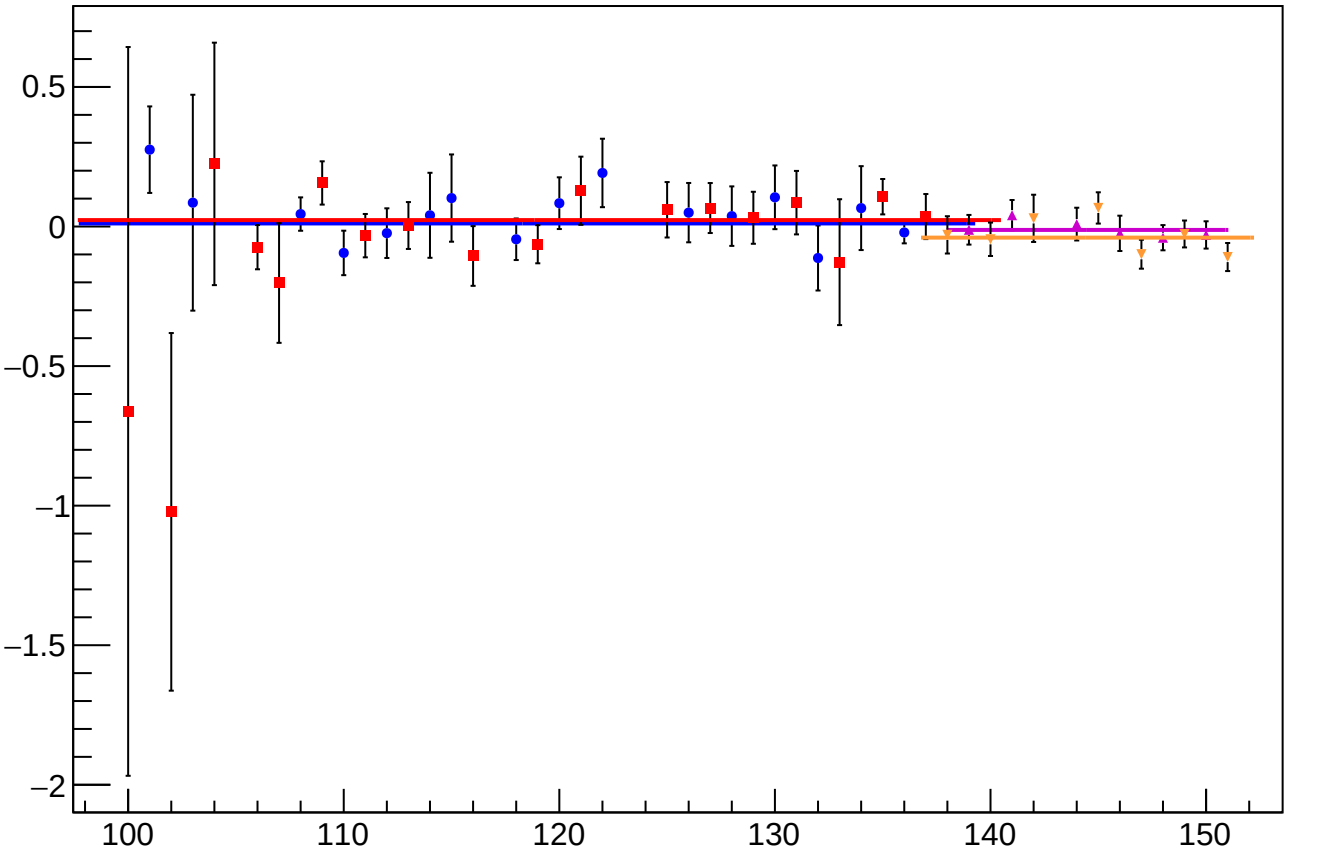
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 45.572+/-0.015 χ^2/NDF:111609.6/5

+ sign 48.454+/-0.011 χ^2/NDF: 2394897.6/22

All: 48.661+/-0.008 χ^2/NDF: 4819740.4/46

- sign 48.881+/-0.011 χ^2/NDF: 2424089.9/23



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.040+/-0.022 χ^2/NDF:7.6/6

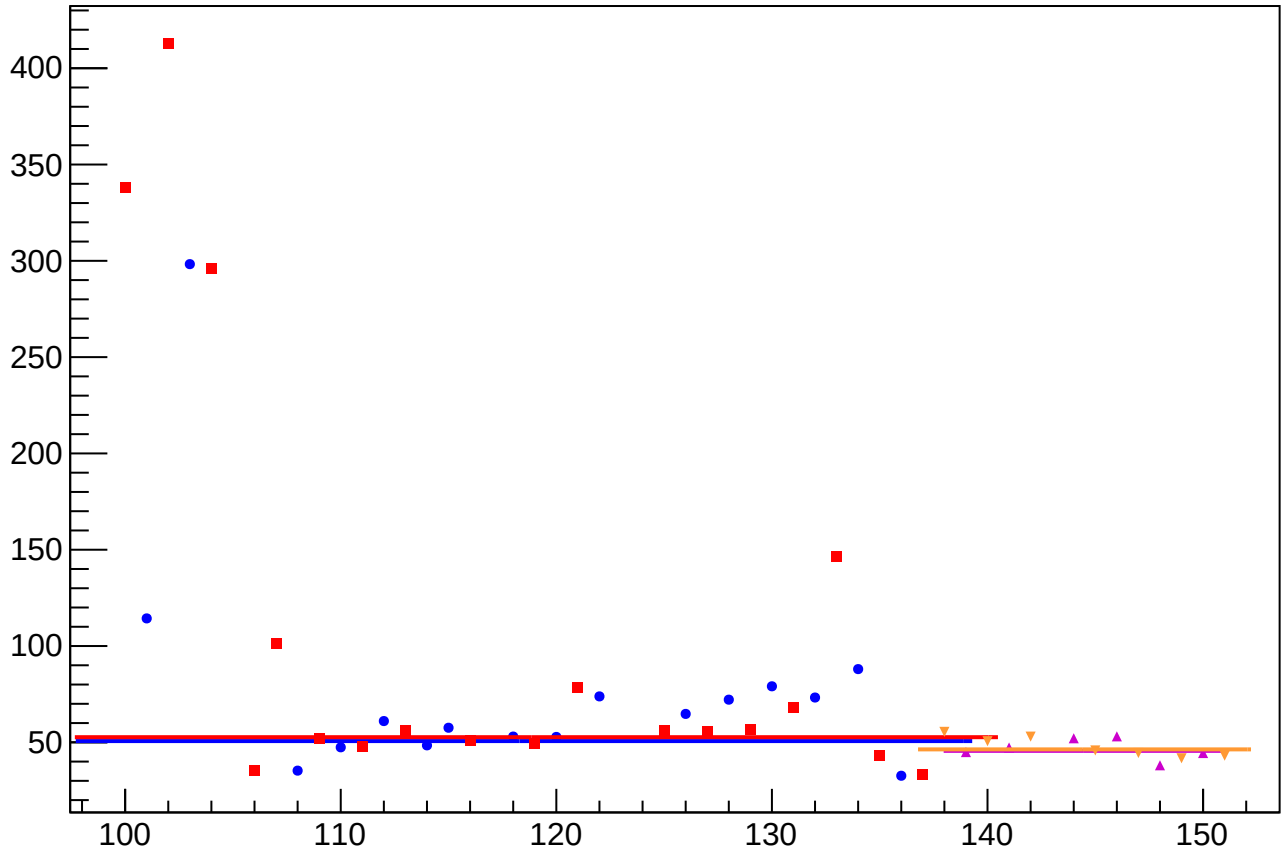
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.012+/-0.022 χ^2/NDF:1.6/5

+ sign -0.015+/-0.015 χ^2/NDF: 22.1/22

All: -0.006+/-0.011 χ^2/NDF: 41.6/46

- sign 0.004+/-0.016 χ^2/NDF: 18.8/23



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 46.333+/-0.015 χ^2/NDF:88942.1/6

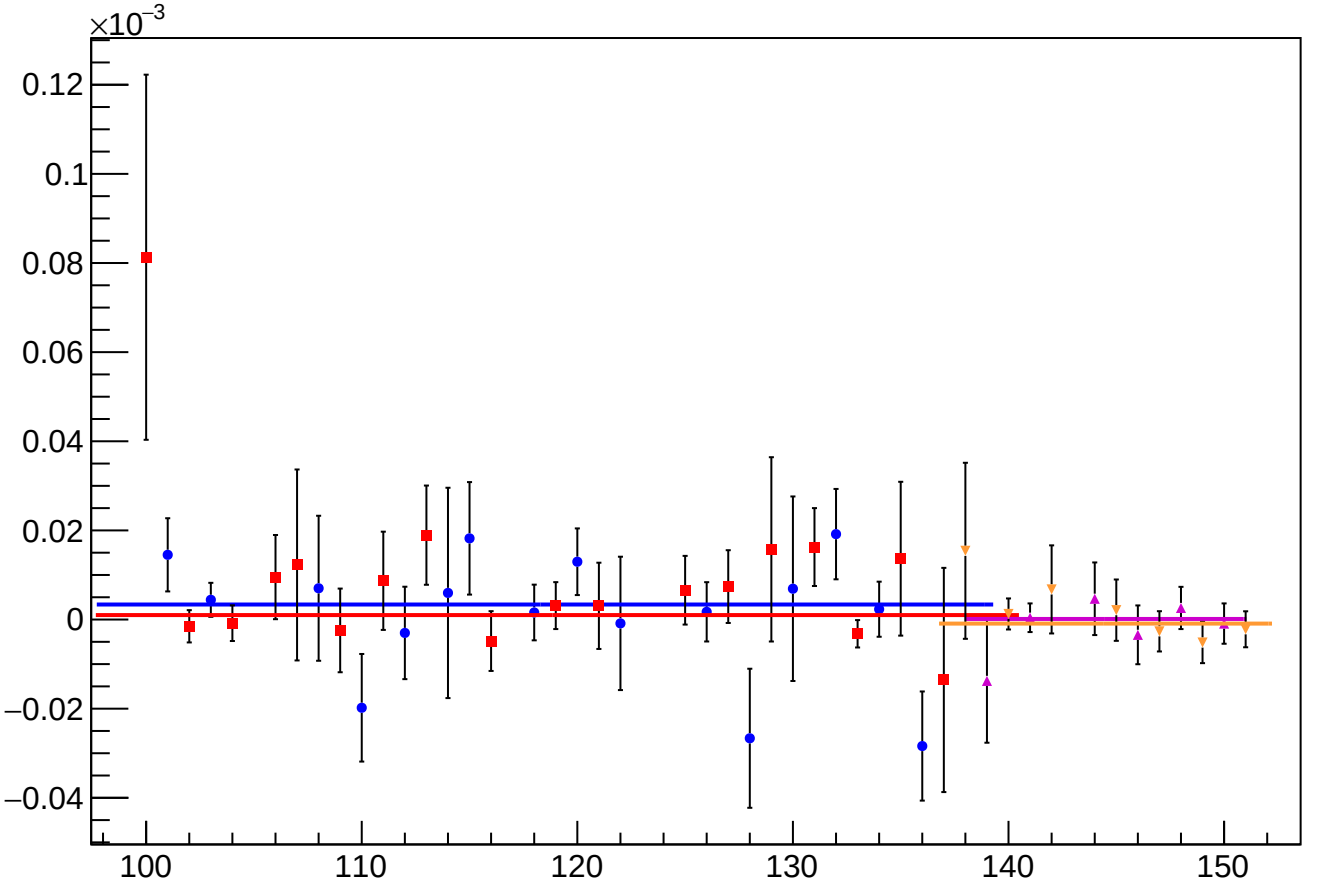
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 45.572+/-0.015 χ^2/NDF:111609.6/5

+ sign 48.454+/-0.011 χ^2/NDF: 2394897.6/22

All: 48.661+/-0.008 χ^2/NDF: 4819740.4/46

- sign 48.881+/-0.011 χ^2/NDF: 2424089.9/23



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.0/6

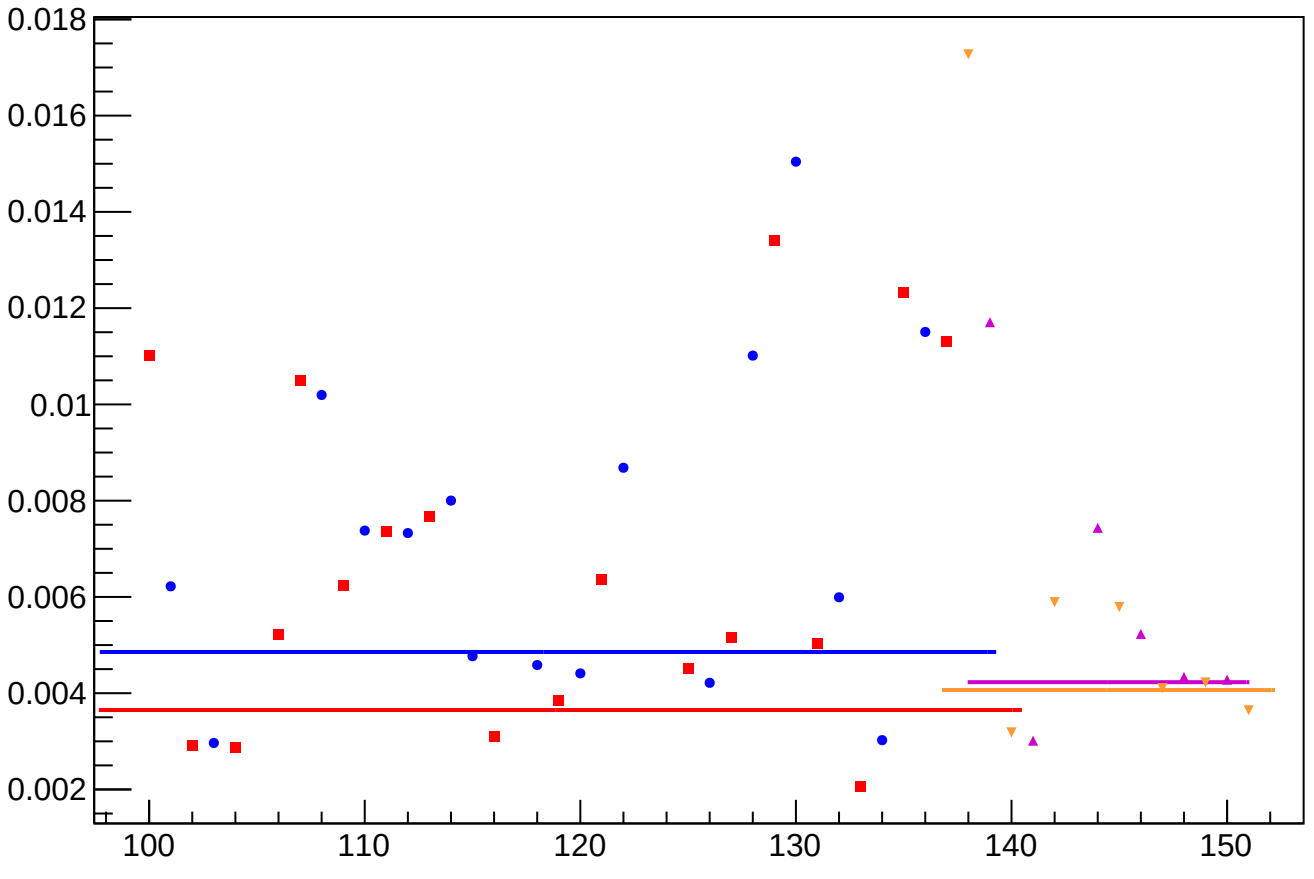
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1.9/5

+ sign 0.000+/-0.000 χ^2/NDF: 27.5/22

All: 0.000+/-0.000 χ^2/NDF: 46.8/46

- sign 0.000+/-0.000 χ^2/NDF: 19.3/23



Right In: 0.005+/-0.000 χ^2/NDF: 2745089.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:1239956.6/6

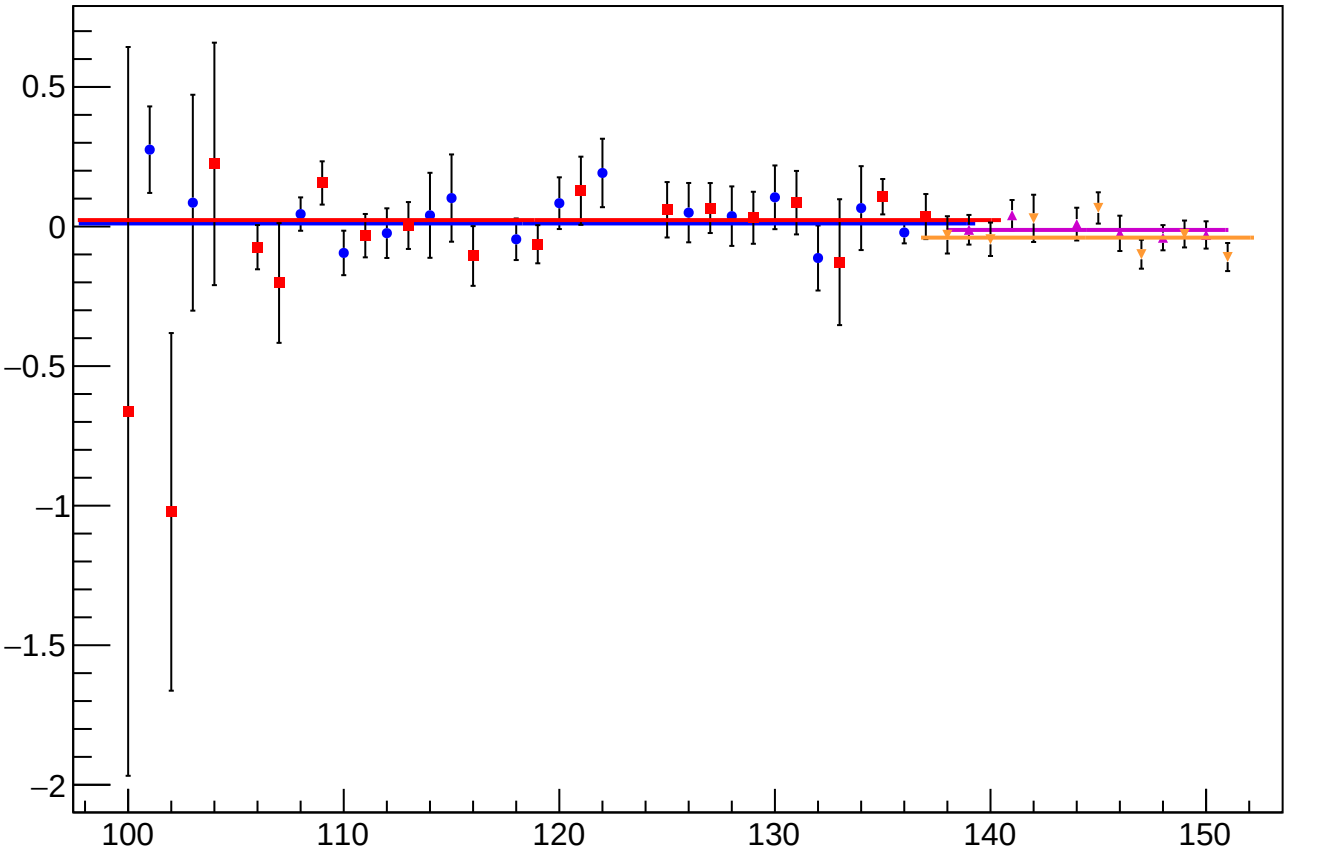
Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.004+/-0.000 χ^2/NDF:1224763.2/5

+ sign 0.004+/-0.000 χ^2/NDF: 4141723.3/22

All: 0.004+/-0.000 χ^2/NDF: 8755931.4/46

- sign 0.004+/-0.000 χ^2/NDF: 4432885.1/23



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.040+/-0.022 χ^2/NDF:7.6/6

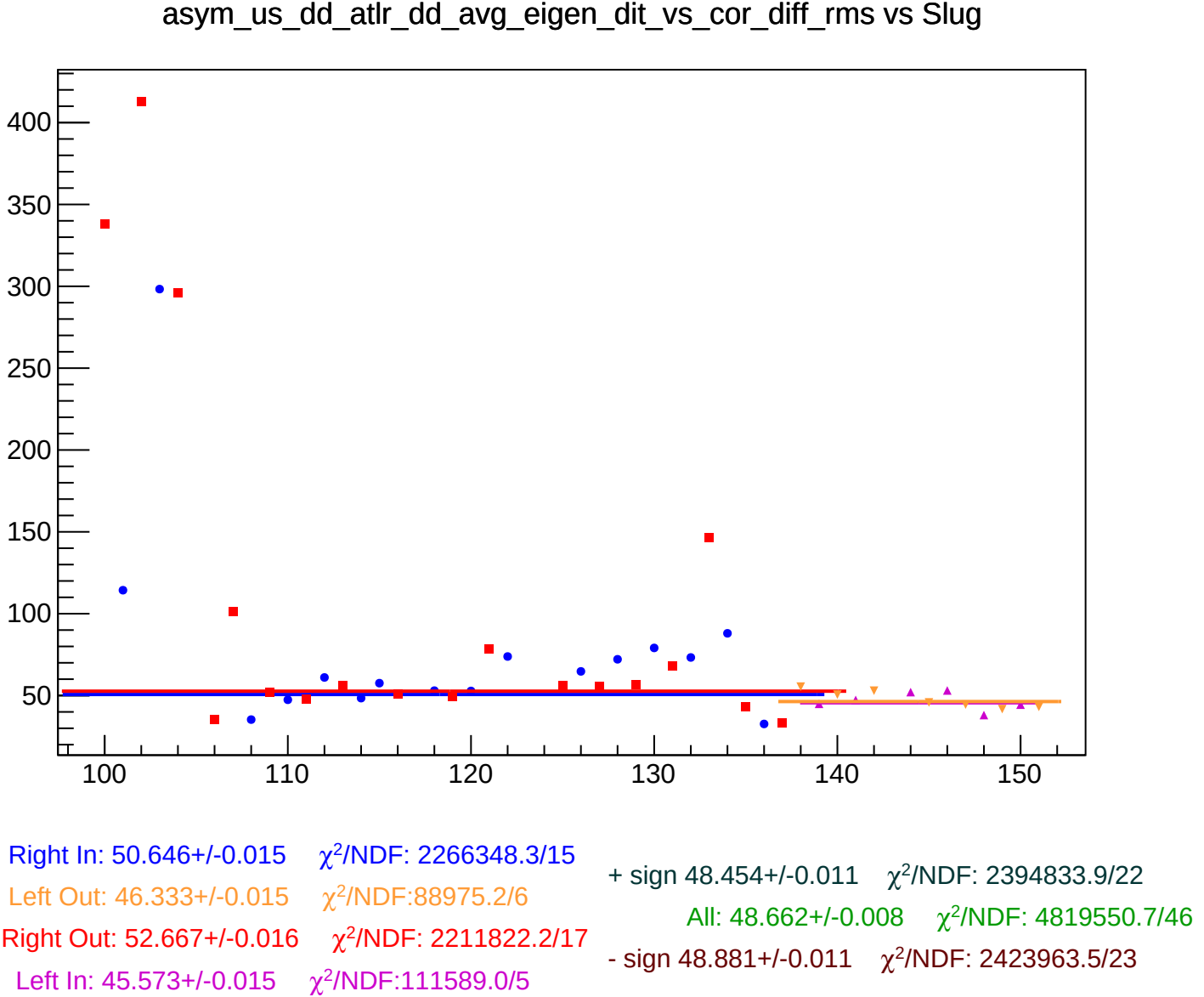
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: -0.012+/-0.022 χ^2/NDF:1.6/5

+ sign -0.015+/-0.015 χ^2/NDF: 22.1/22

All: -0.006+/-0.011 χ^2/NDF: 41.6/46

- sign 0.004+/-0.016 χ^2/NDF: 18.8/23


asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug
400
350
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250
200
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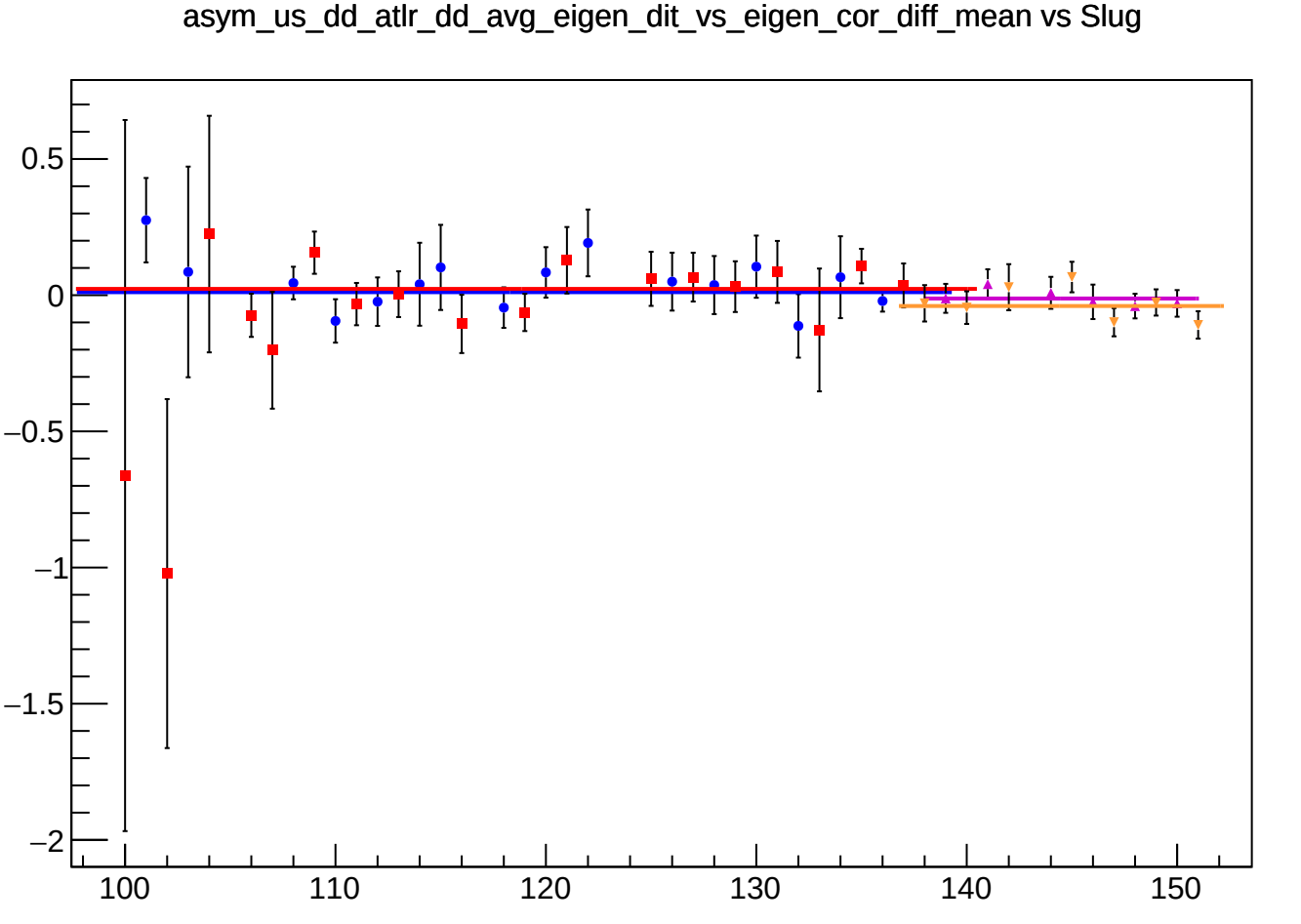
100
50
100
110
120
130
140
150
Right In: 50.646+/-0.015 χ²/NDF: 2266348.3/15
Left Out: 46.333+/-0.015 χ²/NDF:88975.2/6
Right Out: 52.667+/-0.016 χ²/NDF: 2211822.2/17
Left In: 45.573+/-0.015 χ²/NDF:111589.0/5
+ sign 48.454+/-0.011 χ²/NDF: 2394833.9/22
All: 48.662+/-0.008 χ²/NDF: 4819550.7/46
- sign 48.881+/-0.011 χ²/NDF: 2423963.5/23



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.040+/-0.022 χ^2/NDF:7.6/6

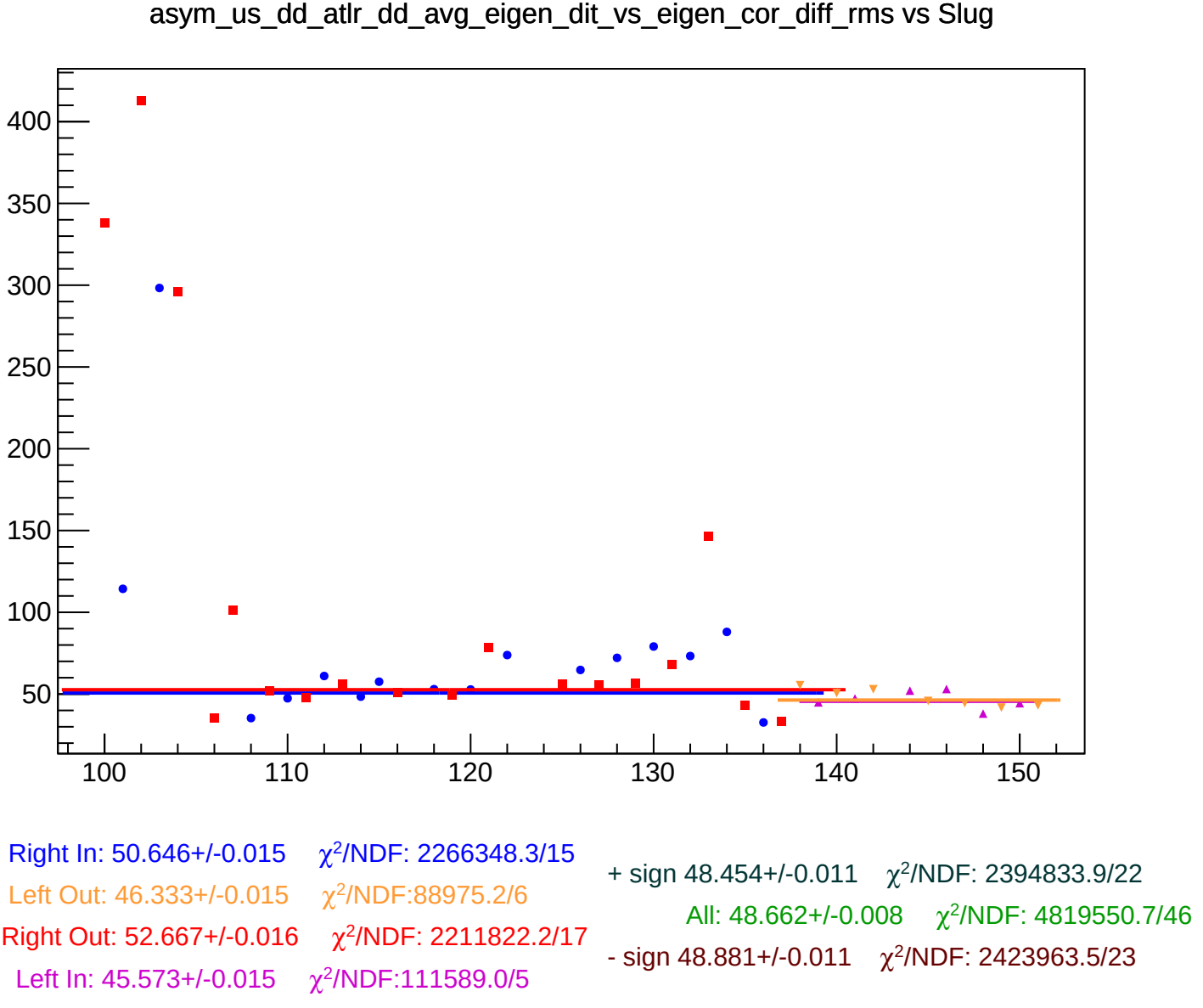
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: -0.012+/-0.022 χ^2/NDF:1.6/5

+ sign -0.015+/-0.015 χ^2/NDF: 22.1/22

All: -0.006+/-0.011 χ^2/NDF: 41.6/46

- sign 0.004+/-0.016 χ^2/NDF: 18.8/23


asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
400
350
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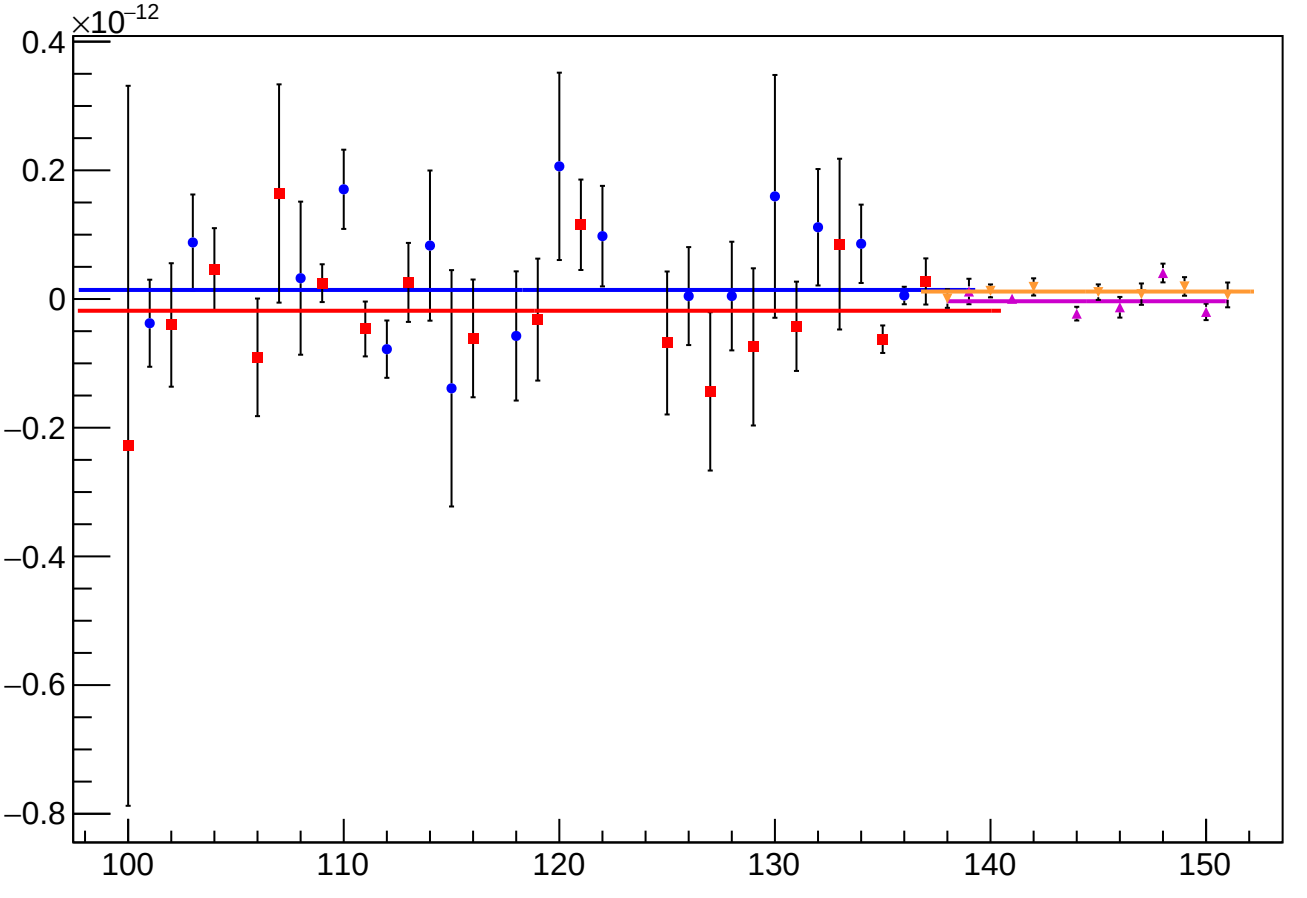
120
130
140
150
Right In: 50.646+/-0.015 χ²/NDF: 2266348.3/15
Left Out: 46.333+/-0.015 χ²/NDF:88975.2/6
Right Out: 52.667+/-0.016 χ²/NDF: 2211822.2/17
Left In: 45.573+/-0.015 χ²/NDF:111589.0/5
+ sign 48.454+/-0.011 χ²/NDF: 2394833.9/22
All: 48.662+/-0.008 χ²/NDF: 4819550.7/46
- sign 48.881+/-0.011 χ²/NDF: 2423963.5/23



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.3/6

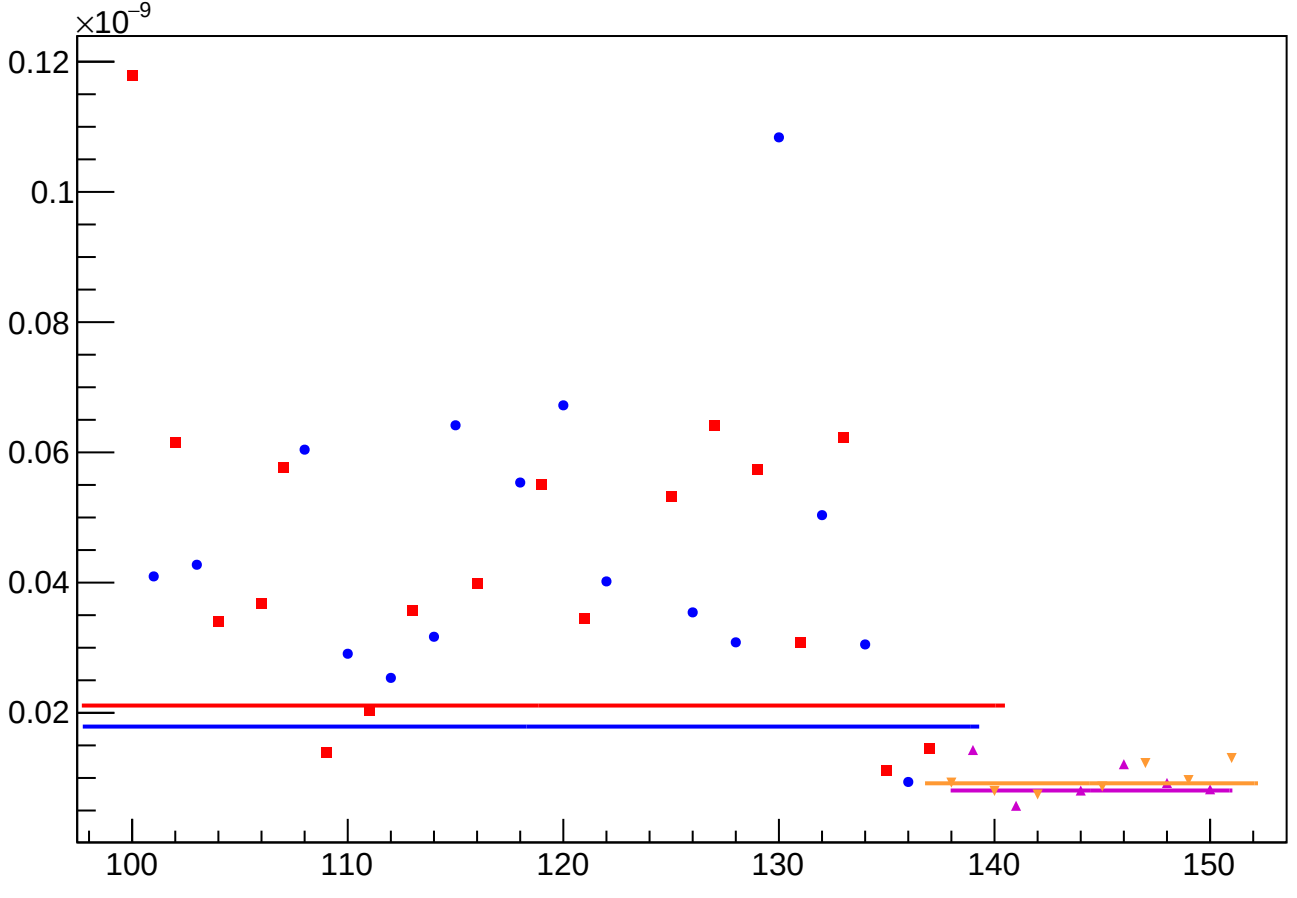
Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: -0.000+/-0.000 χ^2/NDF:15.2/5

+ sign 0.000+/-0.000 χ^2/NDF: 21.7/22

All: 0.000+/-0.000 χ^2/NDF: 63.3/46

- sign -0.000+/-0.000 χ^2/NDF: 34.5/23



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:217282.4/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

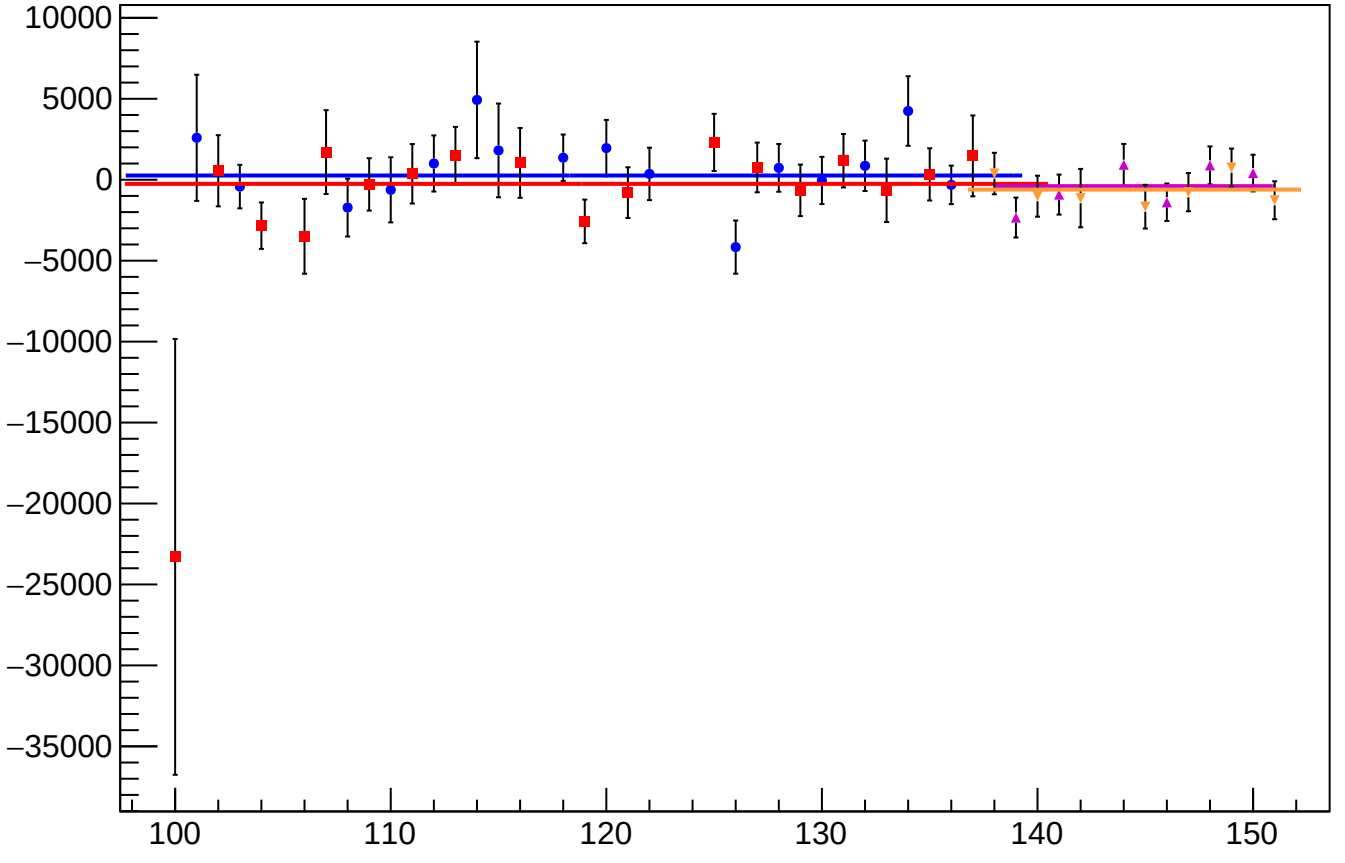
Left In: 0.000+/-0.000 χ^2/NDF:516572.4/5

+ sign 0.000+/-0.000 χ^2/NDF: 4599830.8/22

All: 0.000+/-0.000 χ^2/NDF: 9658191.7/46

- sign 0.000+/-0.000 χ^2/NDF: 5022036.7/23

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: -609.130+/-484.748 χ^2/NDF:3.1/6

Right Out: -255.934+/-425.784 χ^2/NDF: 17.4/17

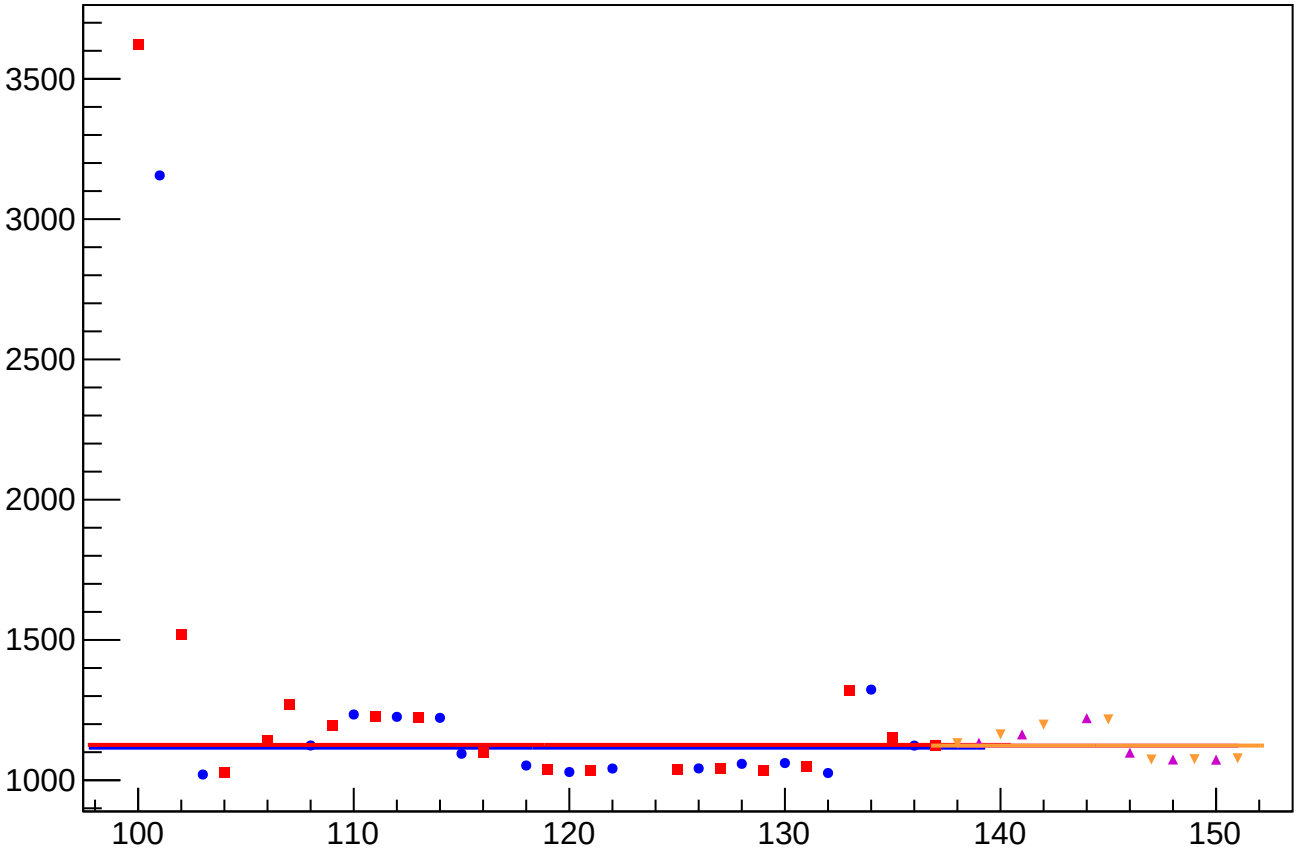
Left In: -395.521+/-489.645 χ^2/NDF:6.2/5

+ sign -116.933+/-319.423 χ^2/NDF: 21.8/22

All: -215.903+/-226.526 χ^2/NDF: 45.6/46

- sign -316.037+/-321.297 χ^2/NDF: 23.6/23

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1123.535+/-0.343 χ^2/NDF:24963.7/6

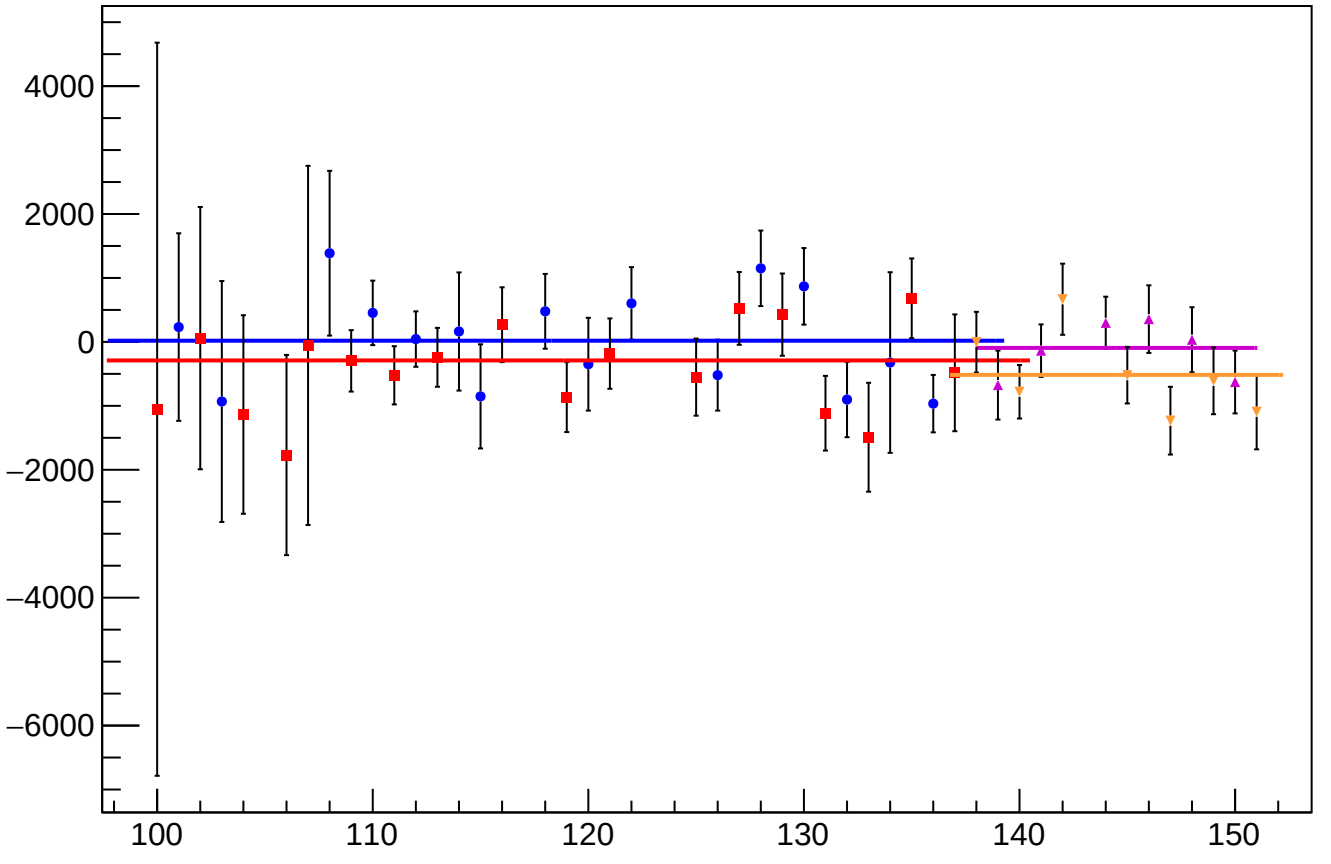
Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1123.051+/-0.346 χ^2/NDF:22203.2/5

+ sign 1119.322+/-0.226 χ^2/NDF: 648621.5/22

All: 1122.015+/-0.160 χ^2/NDF: 893258.4/46

- sign 1124.739+/-0.227 χ^2/NDF: 244350.9/23



Right In: 18.468+/-161.237 χ^2/NDF: 19.2/15

Left Out: -515.798+/-186.960 χ^2/NDF:8.9/6

Right Out: -289.946+/-156.189 χ^2/NDF: 13.5/17

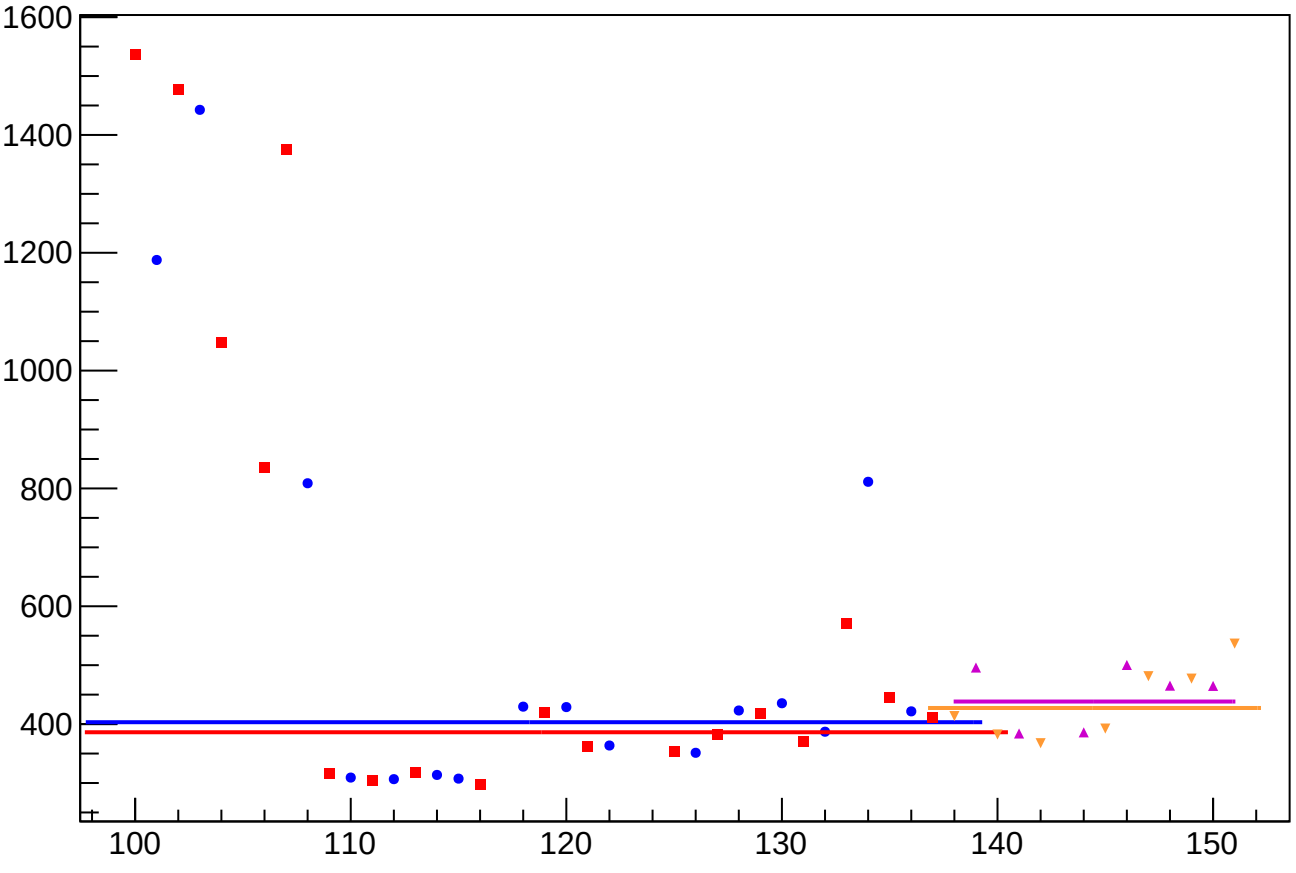
Left In: -93.998+/-192.623 χ^2/NDF:4.1/5

+ sign -209.410+/-122.102 χ^2/NDF: 32.8/22

All: -210.823+/-86.061 χ^2/NDF: 50.9/46

- sign -212.218+/-121.318 χ^2/NDF: 18.2/23

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: 427.337+/-0.132 χ^2/NDF:168337.1/6

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

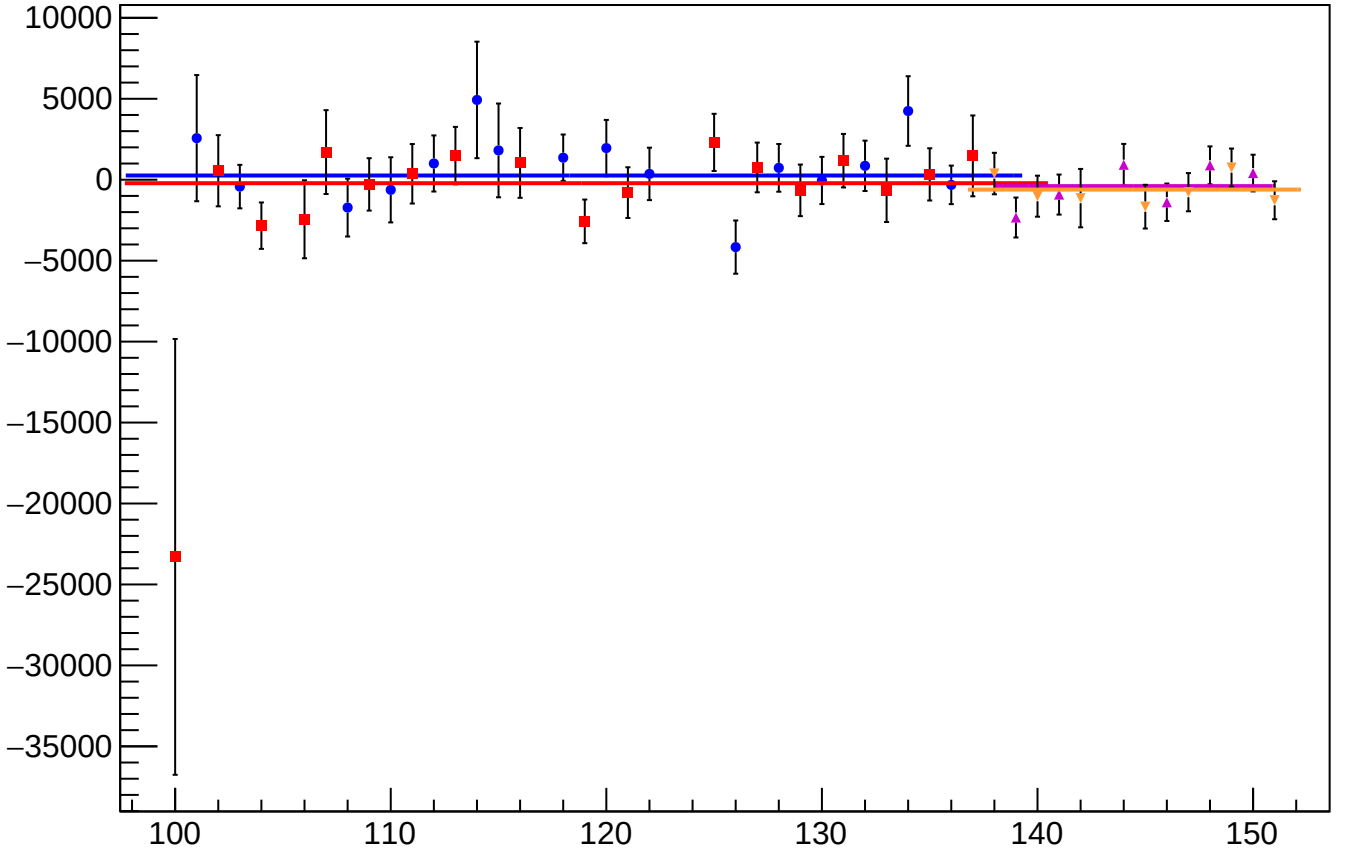
Left In: 438.288+/-0.136 χ^2/NDF:129672.6/5

+ sign 413.491+/-0.086 χ^2/NDF: 1995894.6/22

All: 410.139+/-0.061 χ^2/NDF: 3976093.0/46

- sign 406.829+/-0.086 χ^2/NDF: 1977202.1/23

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -609.098+/-484.748 χ^2/NDF:3.1/6

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

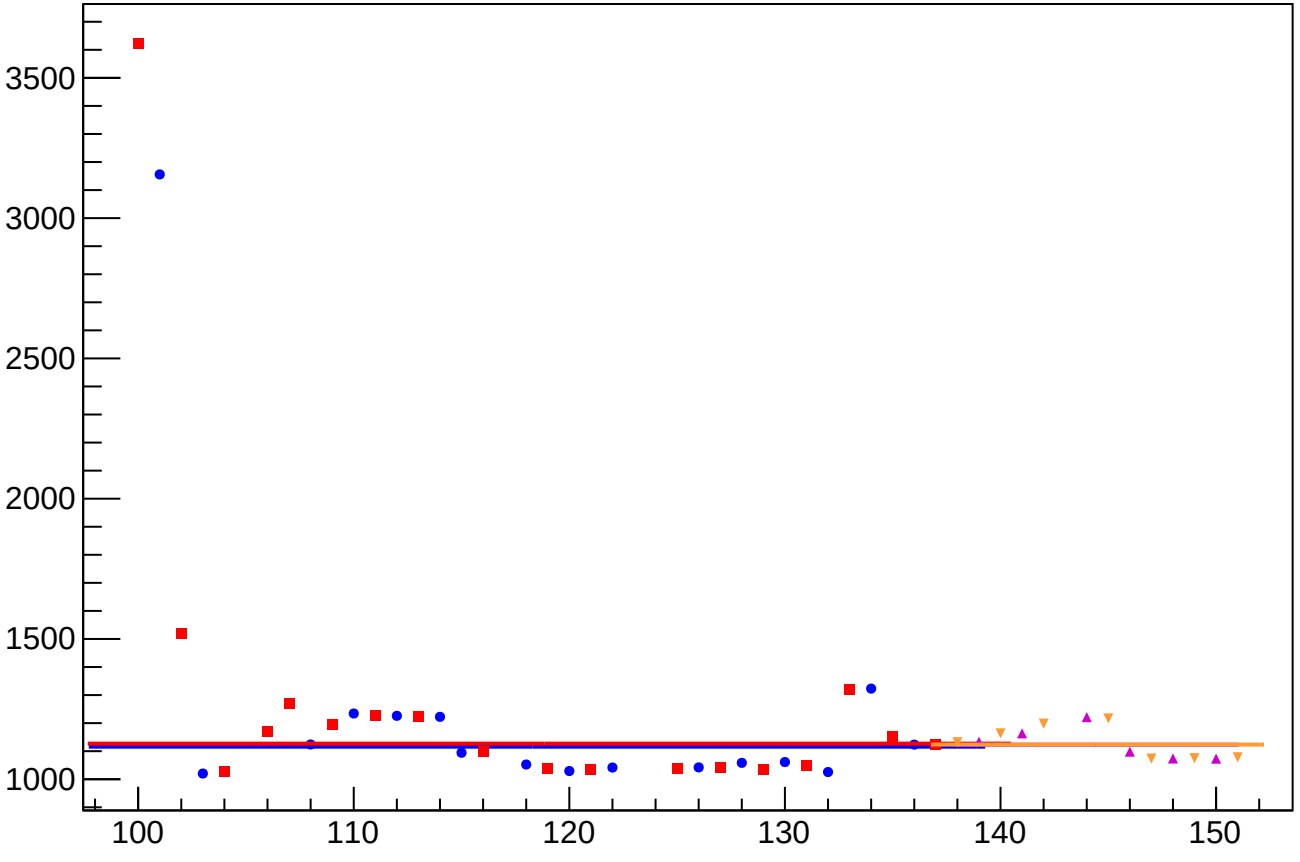
Left In: -395.513+/-489.645 χ^2/NDF:6.2/5

+ sign -117.136+/-319.423 χ^2/NDF: 21.8/22

All: -204.268+/-226.610 χ^2/NDF: 44.4/46

- sign -292.556+/-321.537 χ^2/NDF: 22.5/23

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1123.535+/-0.343 χ^2/NDF:24963.7/6

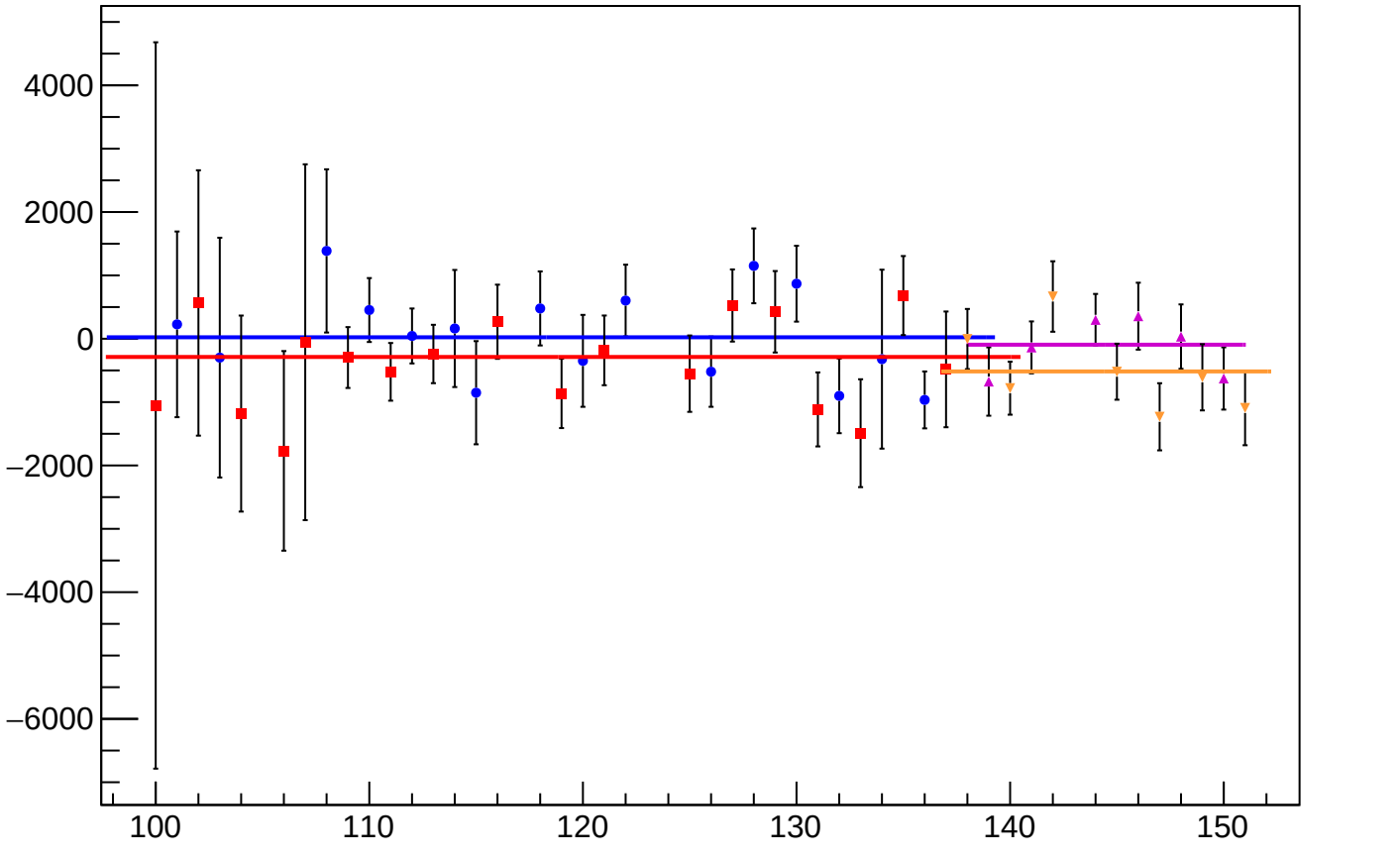
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1123.051+/-0.346 χ^2/NDF:22203.2/5

+ sign 1119.322+/-0.226 χ^2/NDF: 648622.6/22

All: 1122.279+/-0.160 χ^2/NDF: 893983.4/46

- sign 1125.275+/-0.227 χ^2/NDF: 245015.9/23



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -515.949+/-186.959 χ^2/NDF:8.9/6

Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

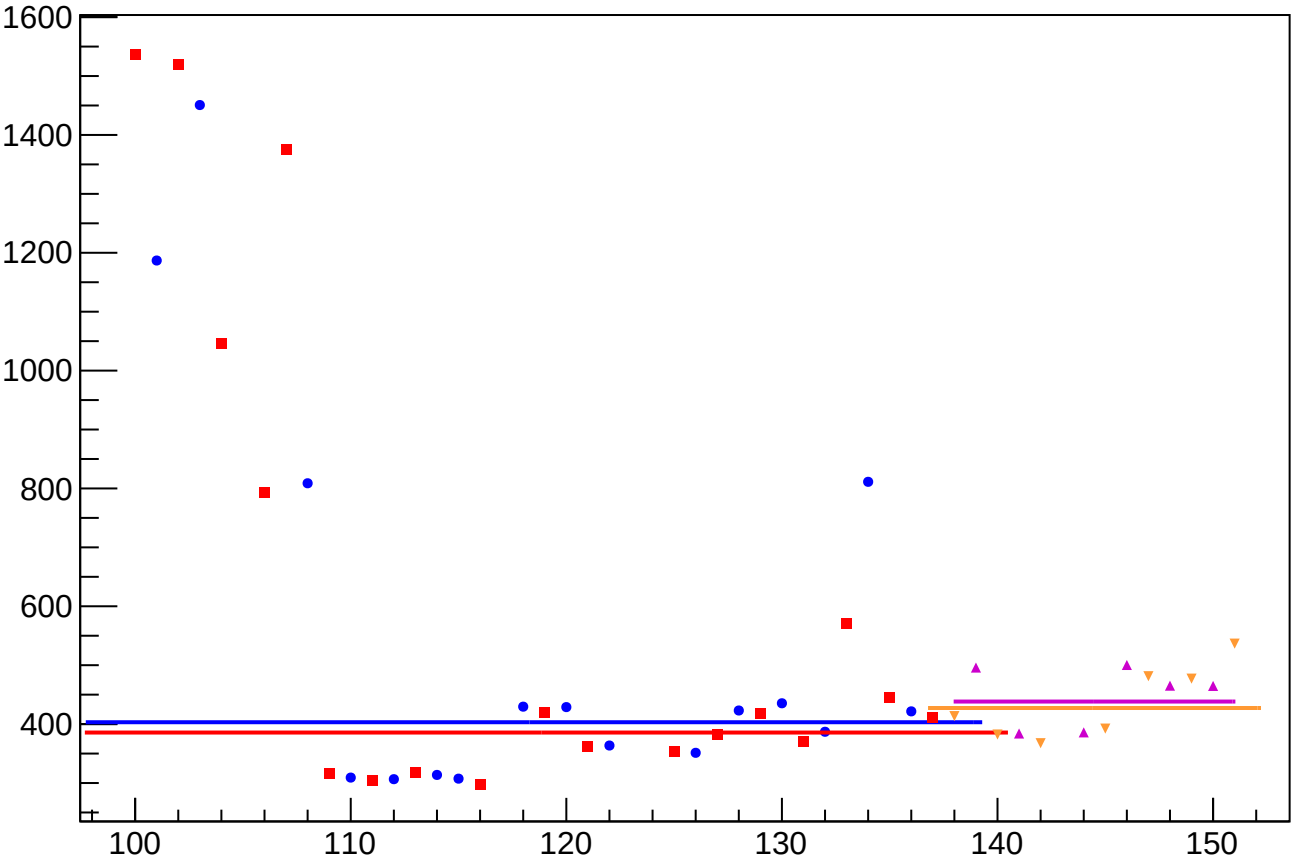
Left In: -94.105+/-192.622 χ^2/NDF:4.1/5

+ sign -206.923+/-122.102 χ^2/NDF: 32.6/22

All: -208.894+/-86.064 χ^2/NDF: 50.9/46

- sign -210.840+/-121.329 χ^2/NDF: 18.3/23

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 427.334+/-0.132 χ^2/NDF:168328.5/6

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

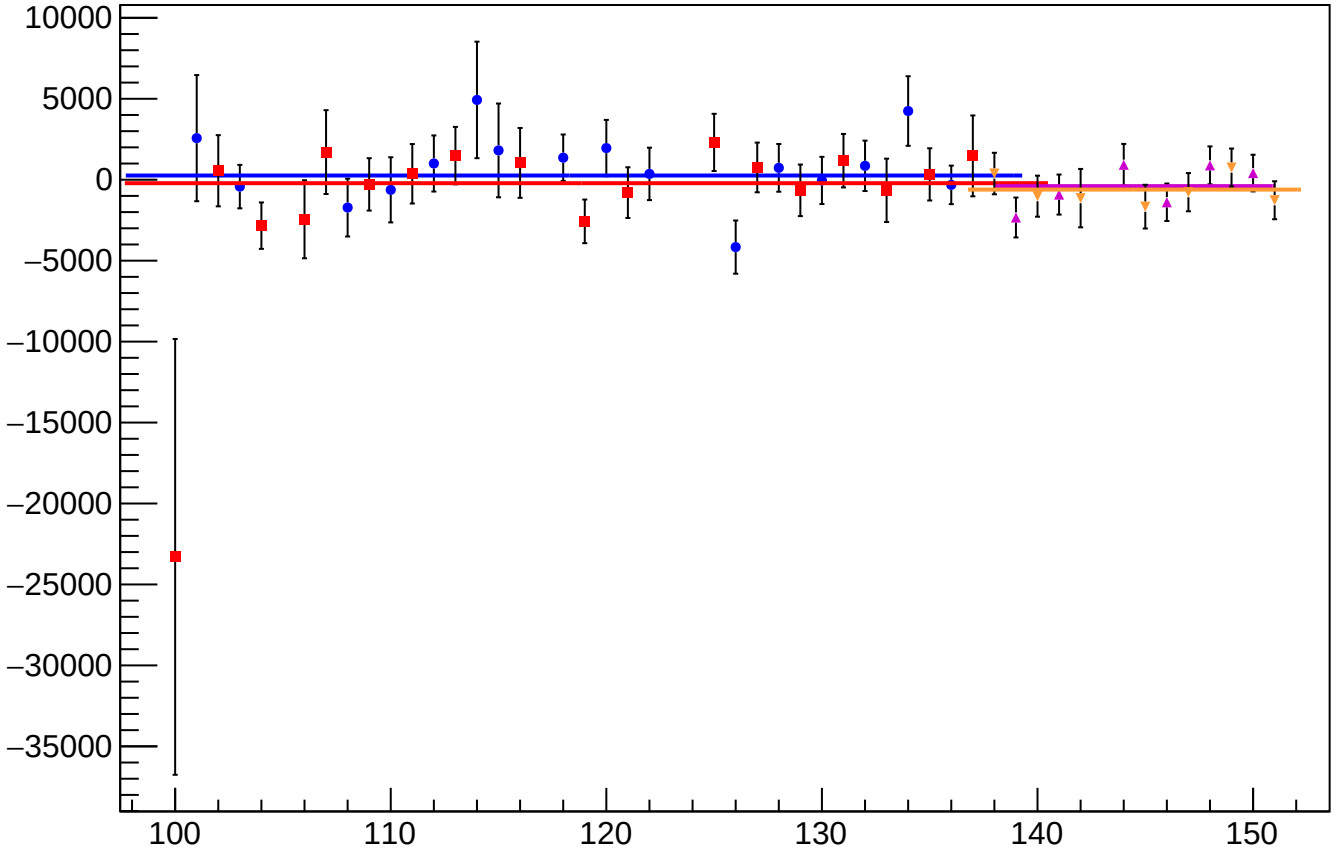
Left In: 438.284+/-0.136 χ^2/NDF:129647.6/5

+ sign 413.484+/-0.086 χ^2/NDF: 1999579.0/22

All: 409.996+/-0.061 χ^2/NDF: 3969599.8/46

- sign 406.552+/-0.086 χ^2/NDF: 1966777.3/23

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: -609.098+/-484.748 χ^2/NDF:3.1/6

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

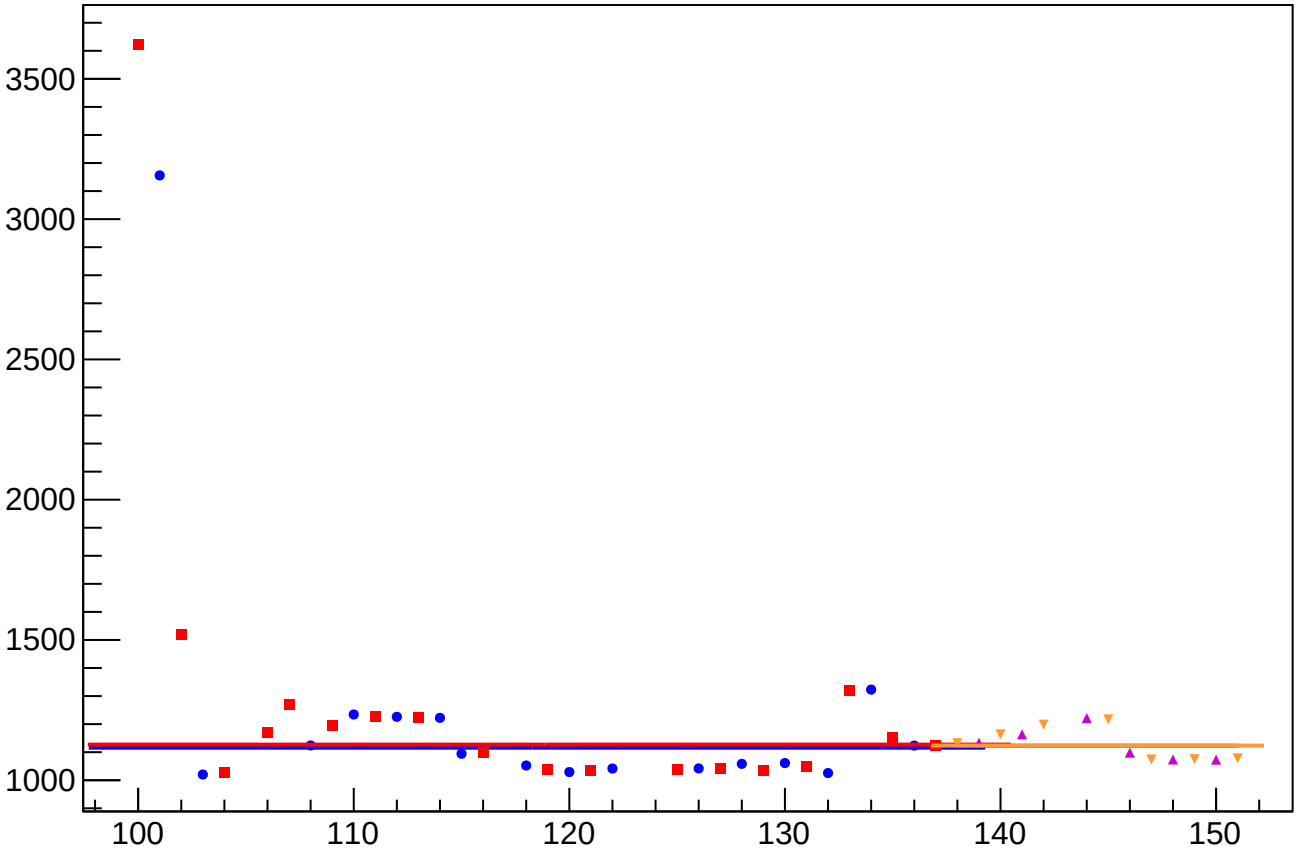
Left In: -395.513+/-489.645 χ^2/NDF:6.2/5

+ sign -117.136+/-319.423 χ^2/NDF: 21.8/22

All: -204.268+/-226.610 χ^2/NDF: 44.4/46

- sign -292.556+/-321.537 χ^2/NDF: 22.5/23

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: 1123.535+/-0.343 χ^2/NDF:24963.7/6

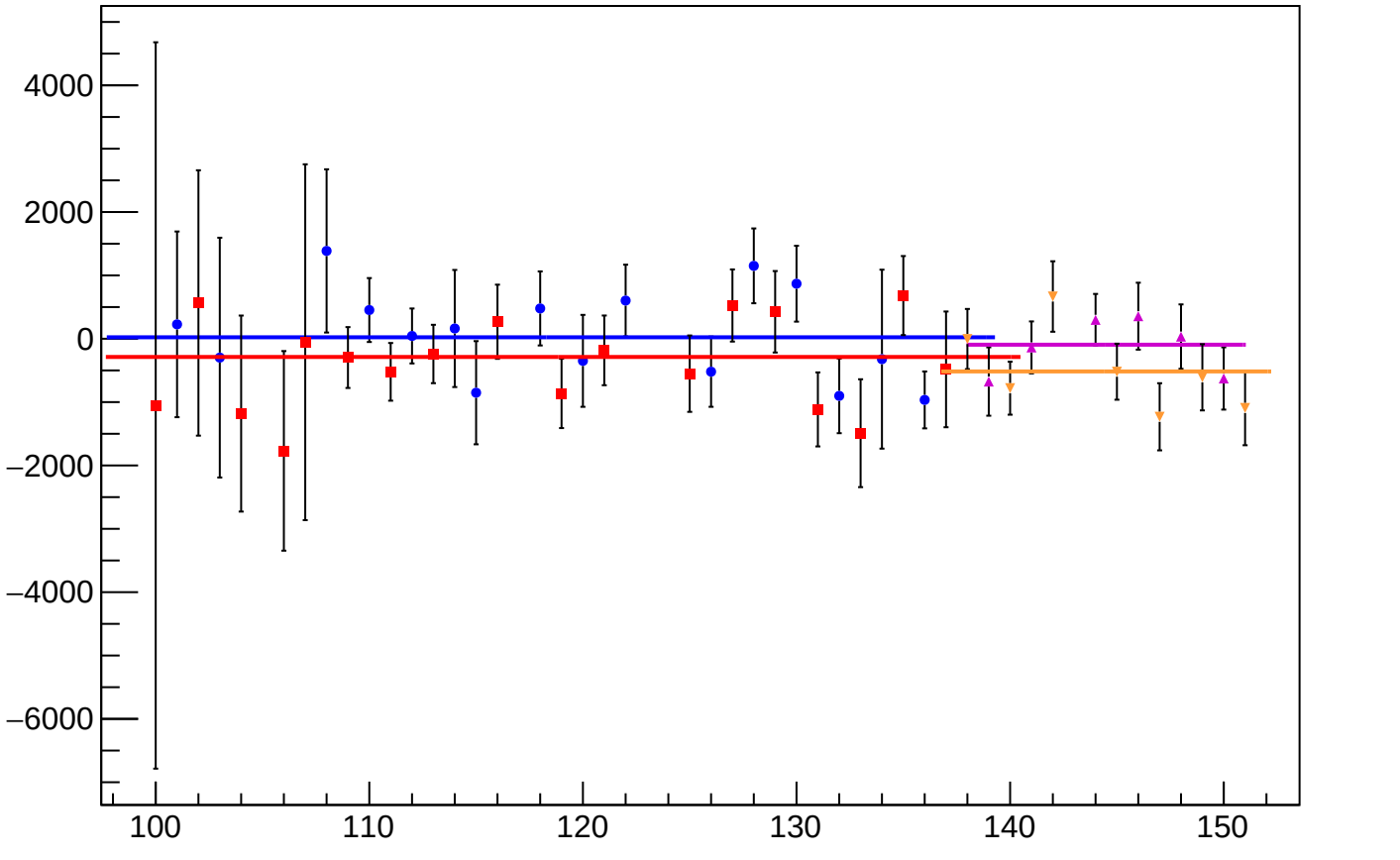
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1123.051+/-0.346 χ^2/NDF:22203.2/5

+ sign 1119.322+/-0.226 χ^2/NDF: 648622.6/22

All: 1122.279+/-0.160 χ^2/NDF: 893983.4/46

- sign 1125.275+/-0.227 χ^2/NDF: 245015.9/23



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -515.949+/-186.959 χ^2/NDF:8.9/6

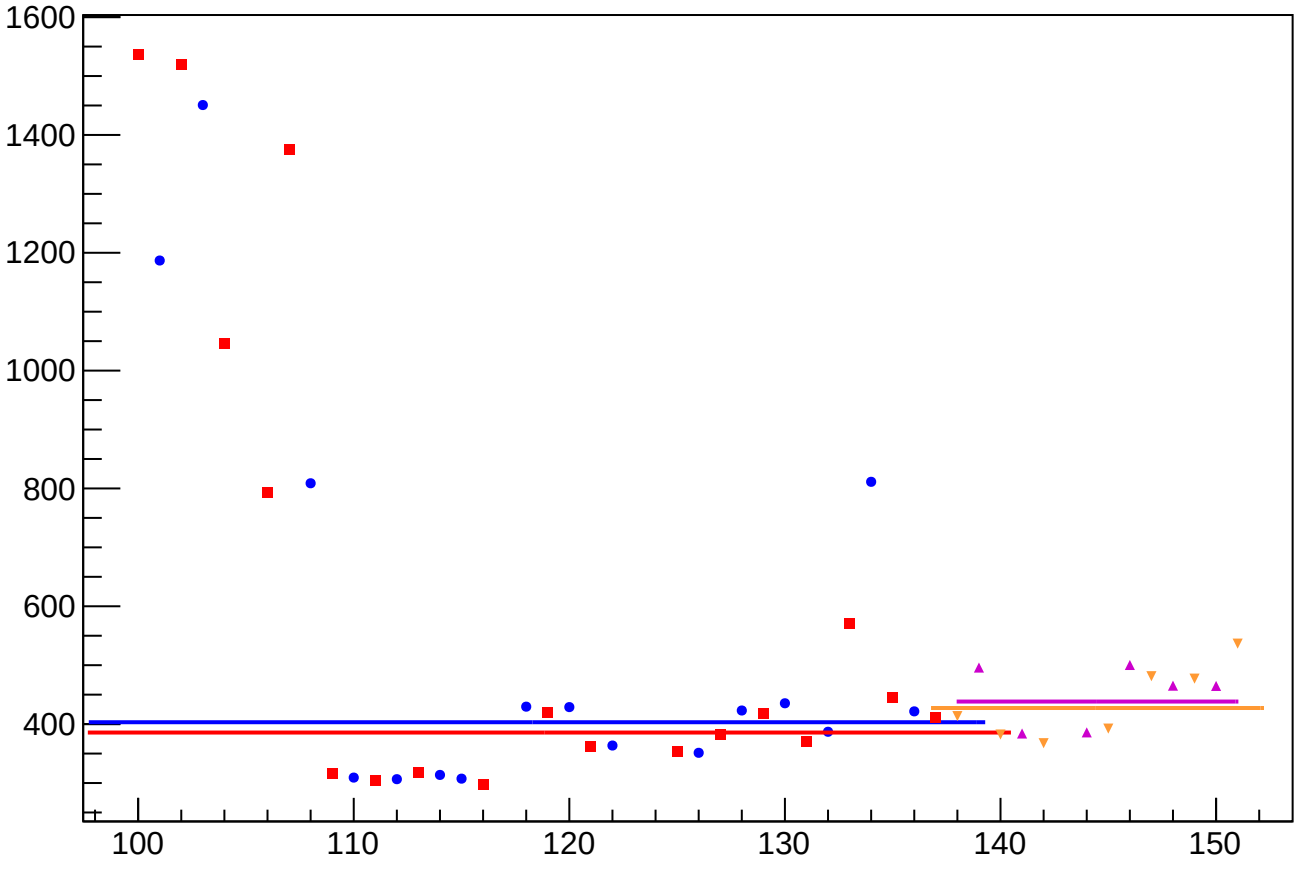
Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: -94.105+/-192.622 χ^2/NDF:4.1/5

+ sign -206.923+/-122.102 χ^2/NDF: 32.6/22

All: -208.894+/-86.064 χ^2/NDF: 50.9/46

- sign -210.840+/-121.329 χ^2/NDF: 18.3/23



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 427.334+/-0.132 χ^2/NDF:168328.5/6

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

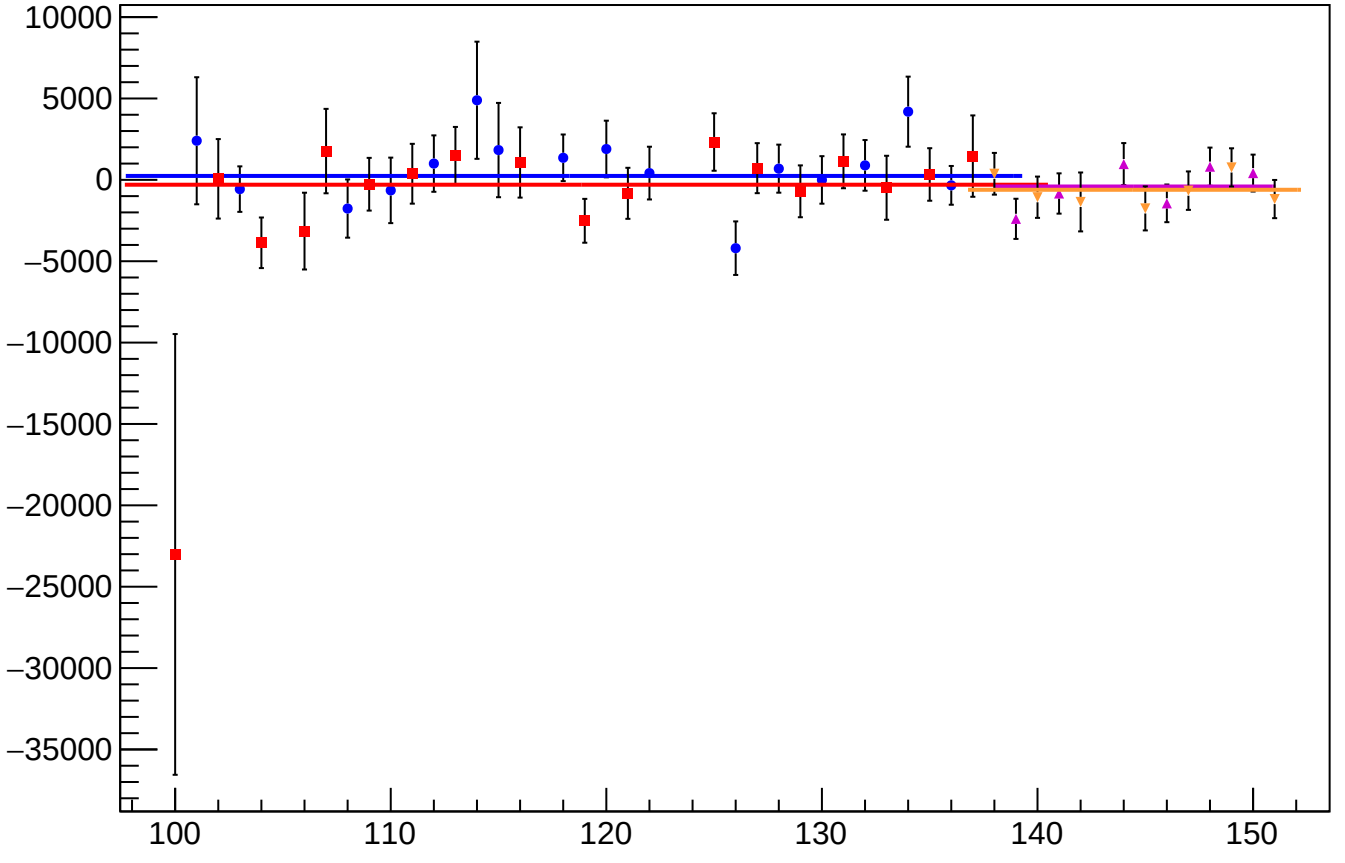
Left In: 438.284+/-0.136 χ^2/NDF:129647.6/5

+ sign 413.484+/-0.086 χ^2/NDF: 1999579.0/22

All: 409.996+/-0.061 χ^2/NDF: 3969599.8/46

- sign 406.552+/-0.086 χ^2/NDF: 1966777.3/23

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: -610.206+/-485.300 χ^2/NDF:3.2/6

Right Out: -298.921+/-430.767 χ^2/NDF: 18.7/17

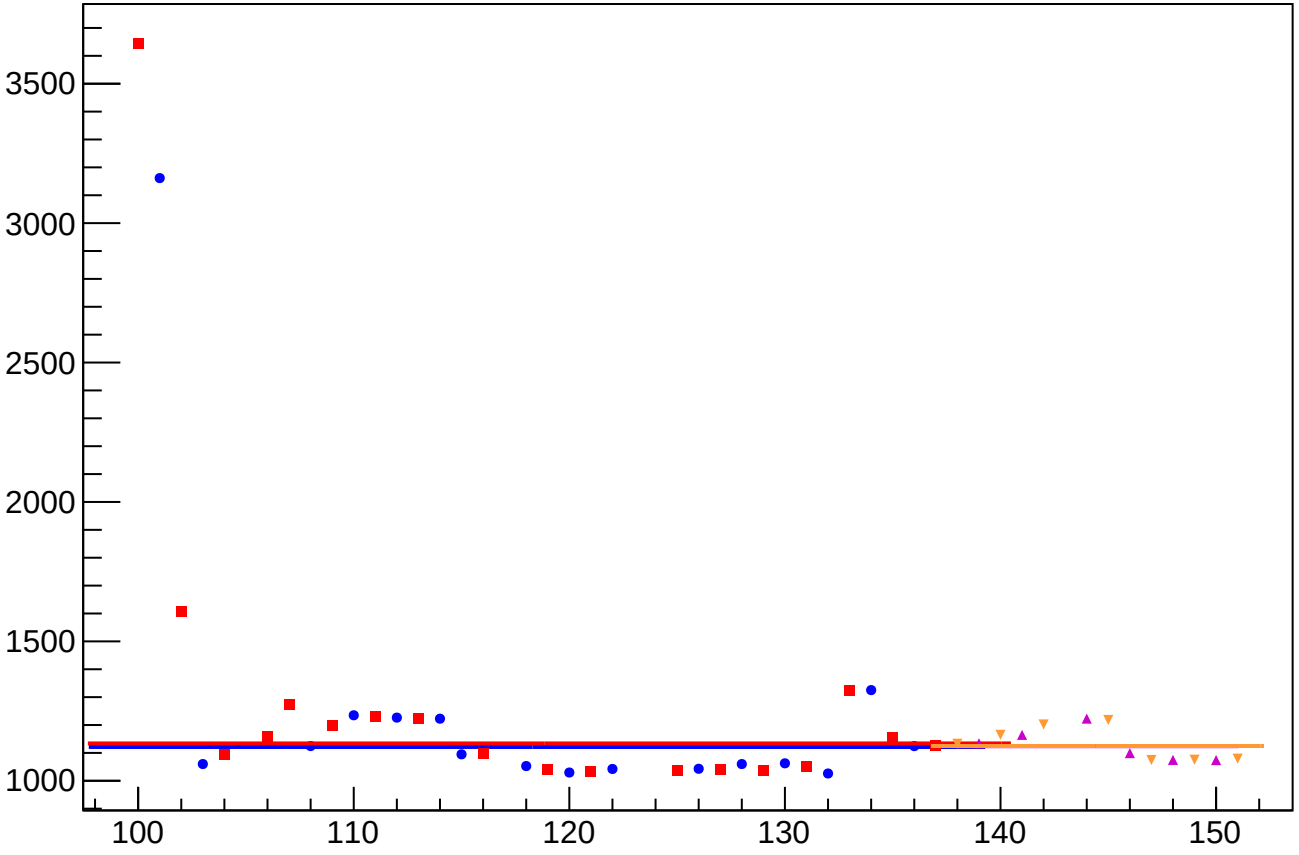
Left In: -408.535+/-490.108 χ^2/NDF:6.3/5

\+ sign -130.126+/-320.403 χ^2/NDF: 21.9/22

All: -237.350+/-227.665 χ^2/NDF: 47.1/46

\- sign -346.693+/-323.555 χ^2/NDF: 25.0/23

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1124.776+/-0.343 χ^2/NDF:25369.0/6

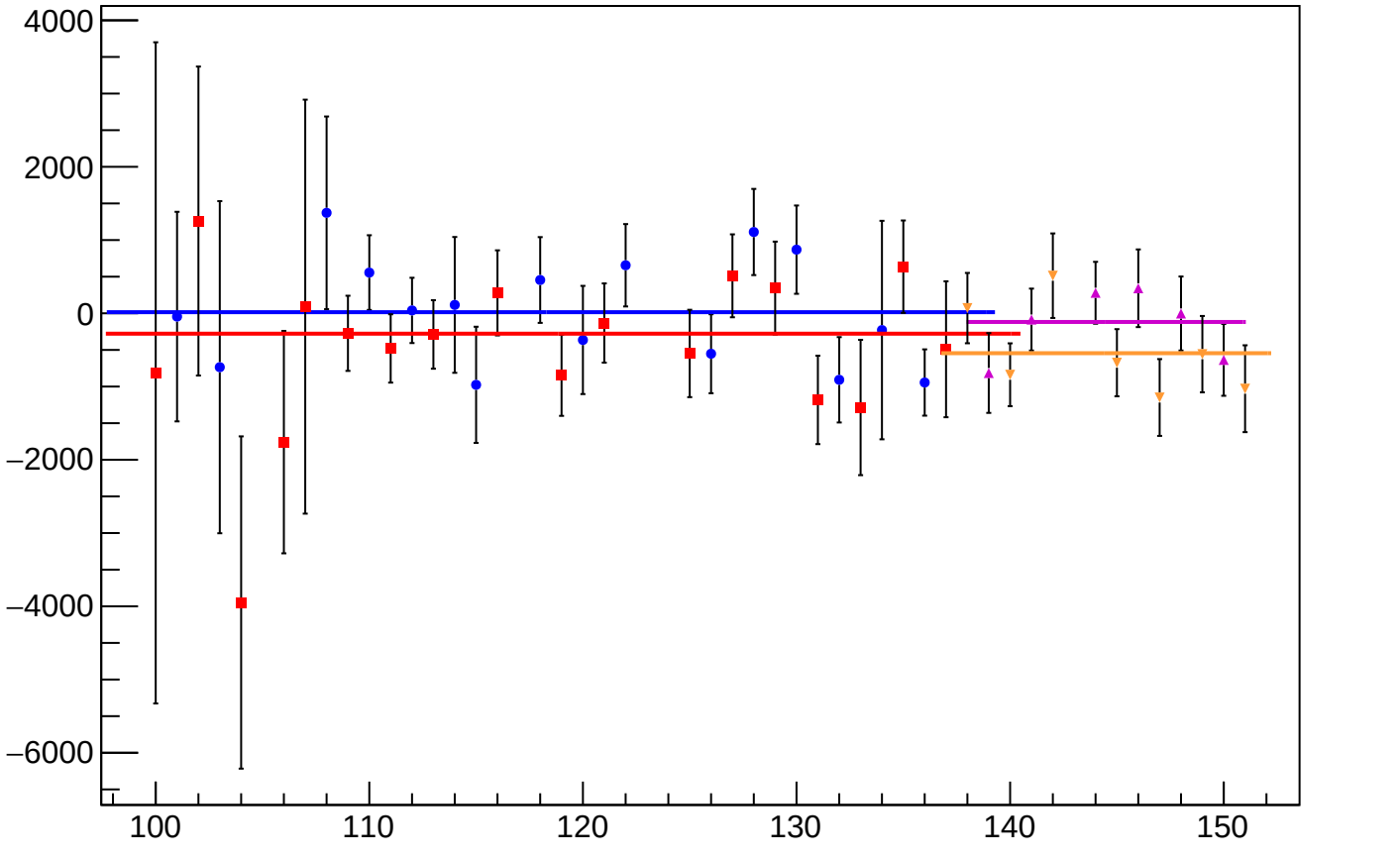
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1124.095+/-0.347 χ^2/NDF:22376.8/5

+ sign 1122.812+/-0.227 χ^2/NDF: 642455.5/22

All: 1126.194+/-0.161 χ^2/NDF: 893193.7/46

- sign 1129.643+/-0.229 χ^2/NDF: 250288.1/23



Right In: 15.291+/-161.845 χ^2/NDF: 19.6/15

Left Out: -544.595+/-190.000 χ^2/NDF:7.6/6

Right Out: -278.251+/-158.828 χ^2/NDF: 15.1/17

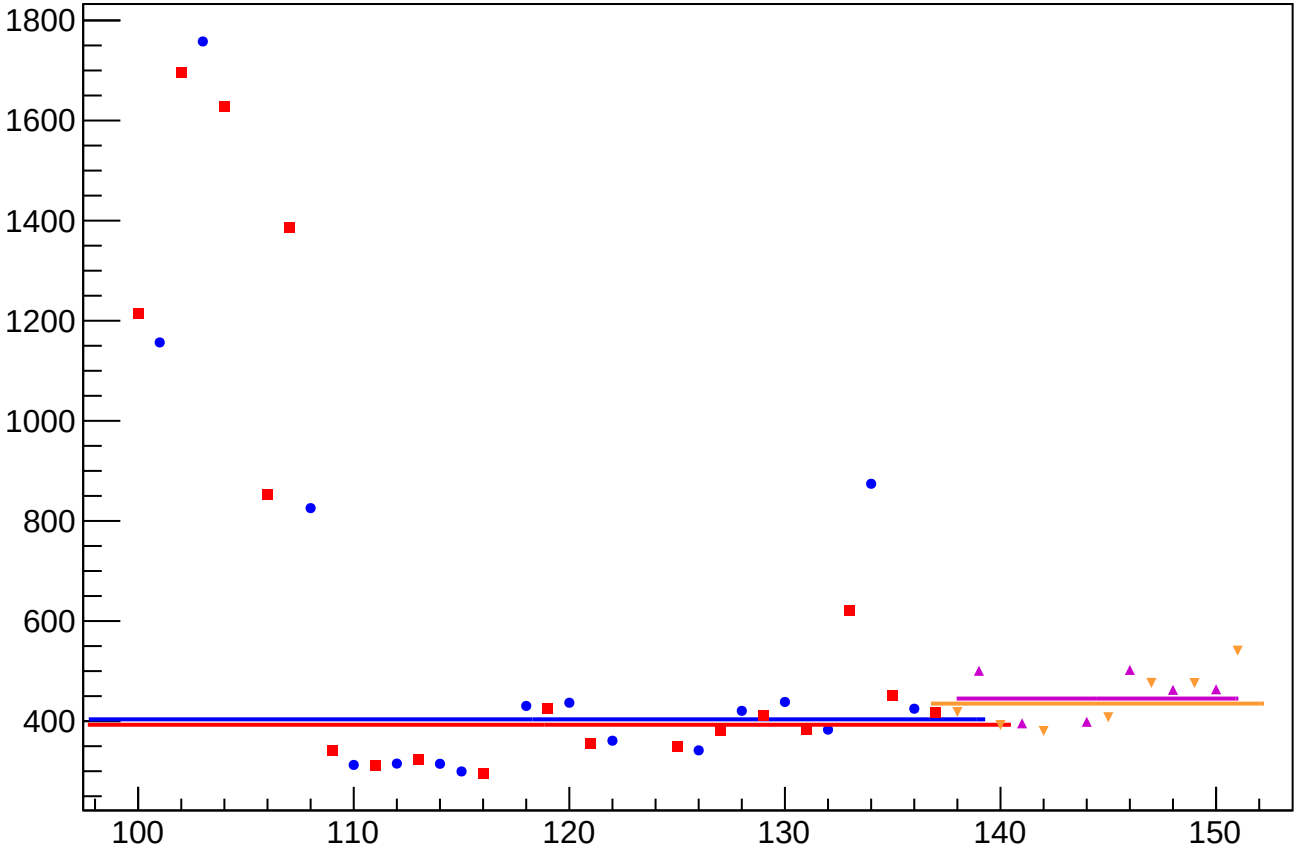
Left In: -118.226+/-195.303 χ^2/NDF:4.5/5

\+ sign -220.134+/-123.206 χ^2/NDF: 32.2/22

All: -217.342+/-87.126 χ^2/NDF: 52.1/46

\- sign -214.548+/-123.224 χ^2/NDF: 19.9/23

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: 435.100+/-0.134 χ^2/NDF:136032.6/6

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

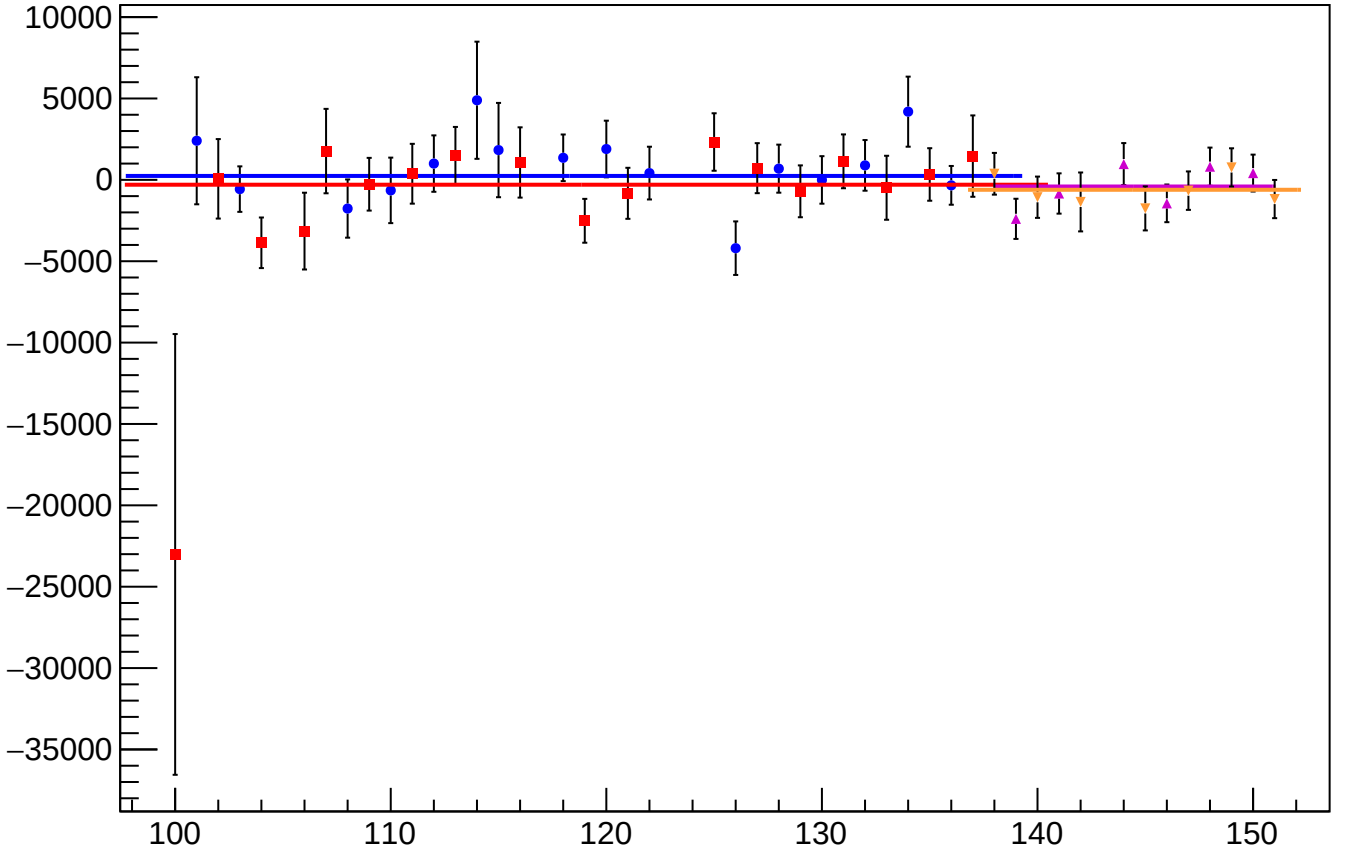
Left In: 445.139+/-0.138 χ^2/NDF:100899.8/5

+ sign 416.878+/-0.087 χ^2/NDF: 2097374.3/22

All: 415.263+/-0.062 χ^2/NDF: 4488806.8/46

- sign 413.647+/-0.087 χ^2/NDF: 2390745.3/23

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: -610.211+/-485.300 χ^2/NDF:3.2/6

Right Out: -298.922+/-430.767 χ^2/NDF: 18.7/17

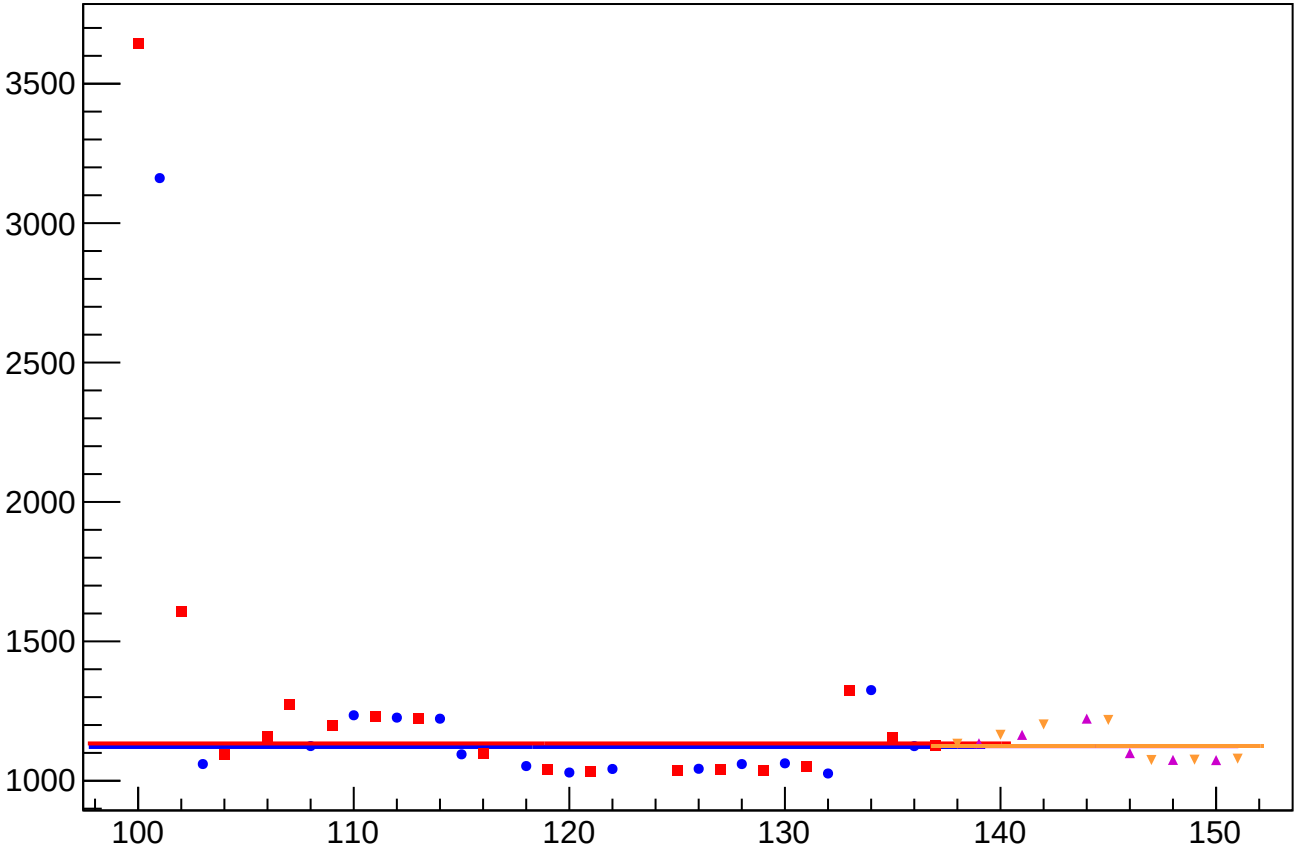
Left In: -408.533+/-490.108 χ^2/NDF:6.3/5

\+ sign -130.127+/-320.403 χ^2/NDF: 21.9/22

All: -237.350+/-227.665 χ^2/NDF: 47.1/46

\- sign -346.693+/-323.555 χ^2/NDF: 25.0/23

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: 1124.776+/-0.343 χ^2/NDF:25369.1/6

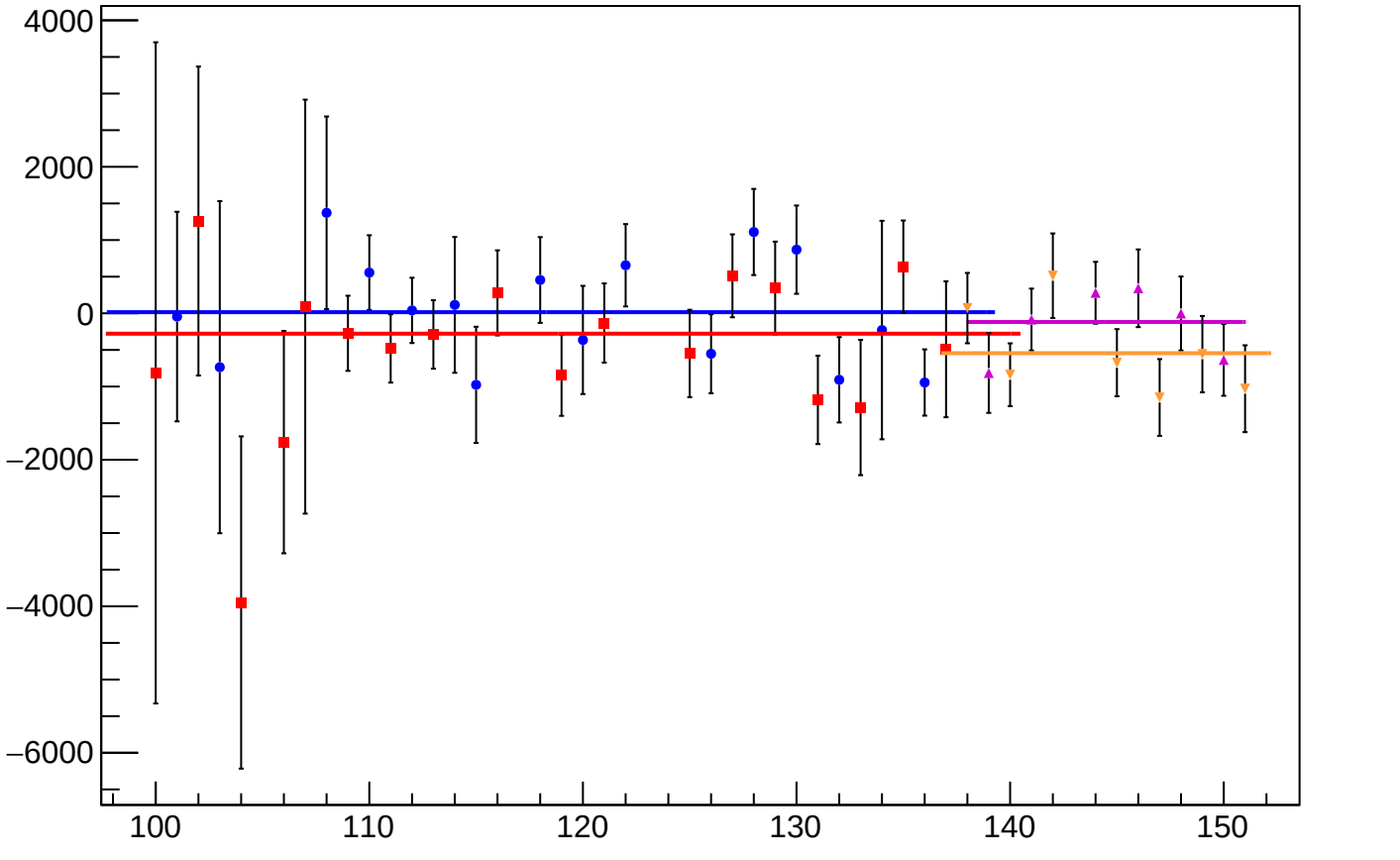
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1124.095+/-0.347 χ^2/NDF:22376.8/5

+ sign 1122.812+/-0.227 χ^2/NDF: 642455.5/22

All: 1126.194+/-0.161 χ^2/NDF: 893193.9/46

- sign 1129.643+/-0.229 χ^2/NDF: 250288.2/23



Right In: 15.288+/-161.844 χ^2/NDF: 19.6/15

Left Out: -544.603+/-190.000 χ^2/NDF:7.6/6

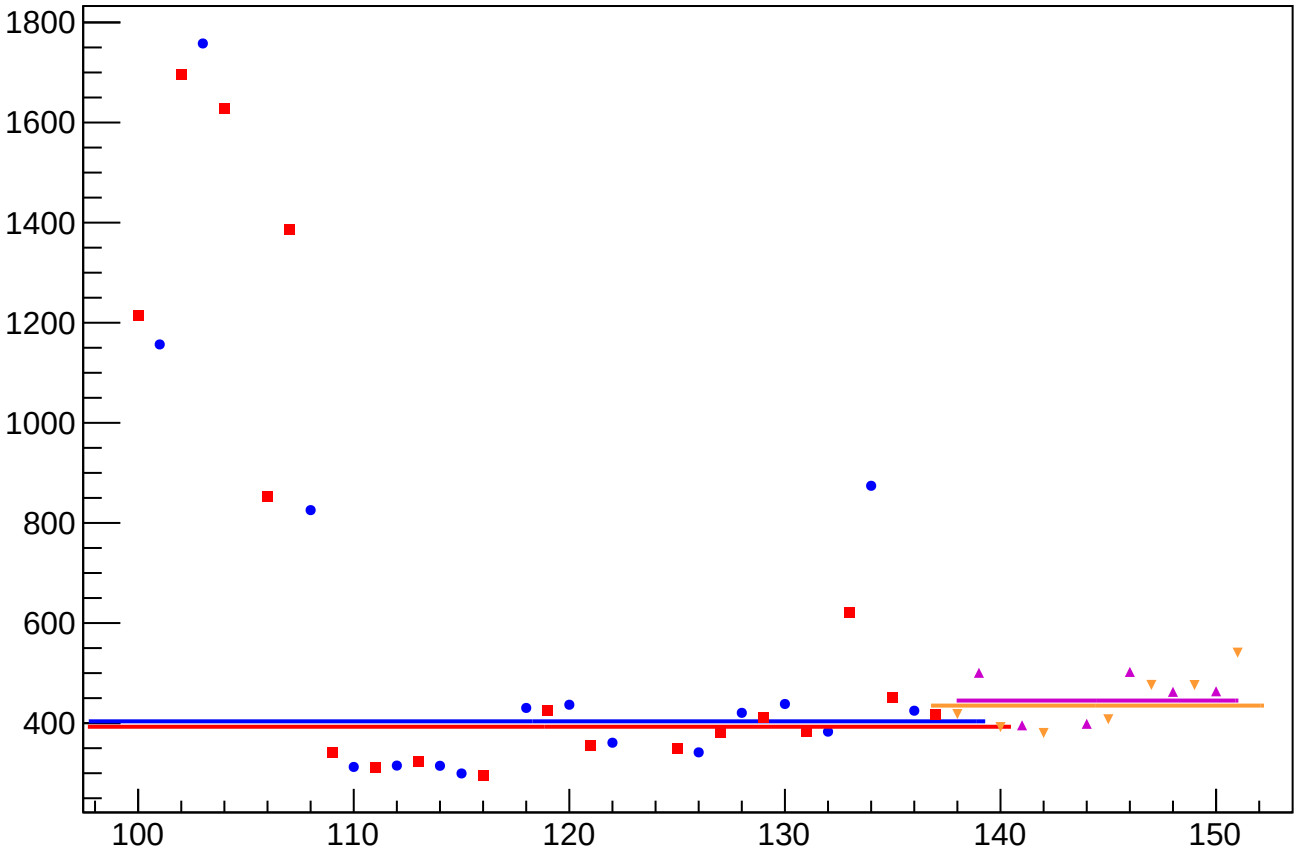
Right Out: -278.249+/-158.826 χ^2/NDF: 15.1/17

Left In: -118.230+/-195.304 χ^2/NDF:4.5/5

\+ sign -220.138+/-123.205 χ^2/NDF: 32.2/22

All: -217.344+/-87.126 χ^2/NDF: 52.1/46

\- sign -214.549+/-123.224 χ^2/NDF: 19.9/23



Right In: 403.653+/-0.114 χ^2/NDF: 1929594.3/15

Left Out: 435.100+/-0.134 χ^2/NDF:136032.4/6

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

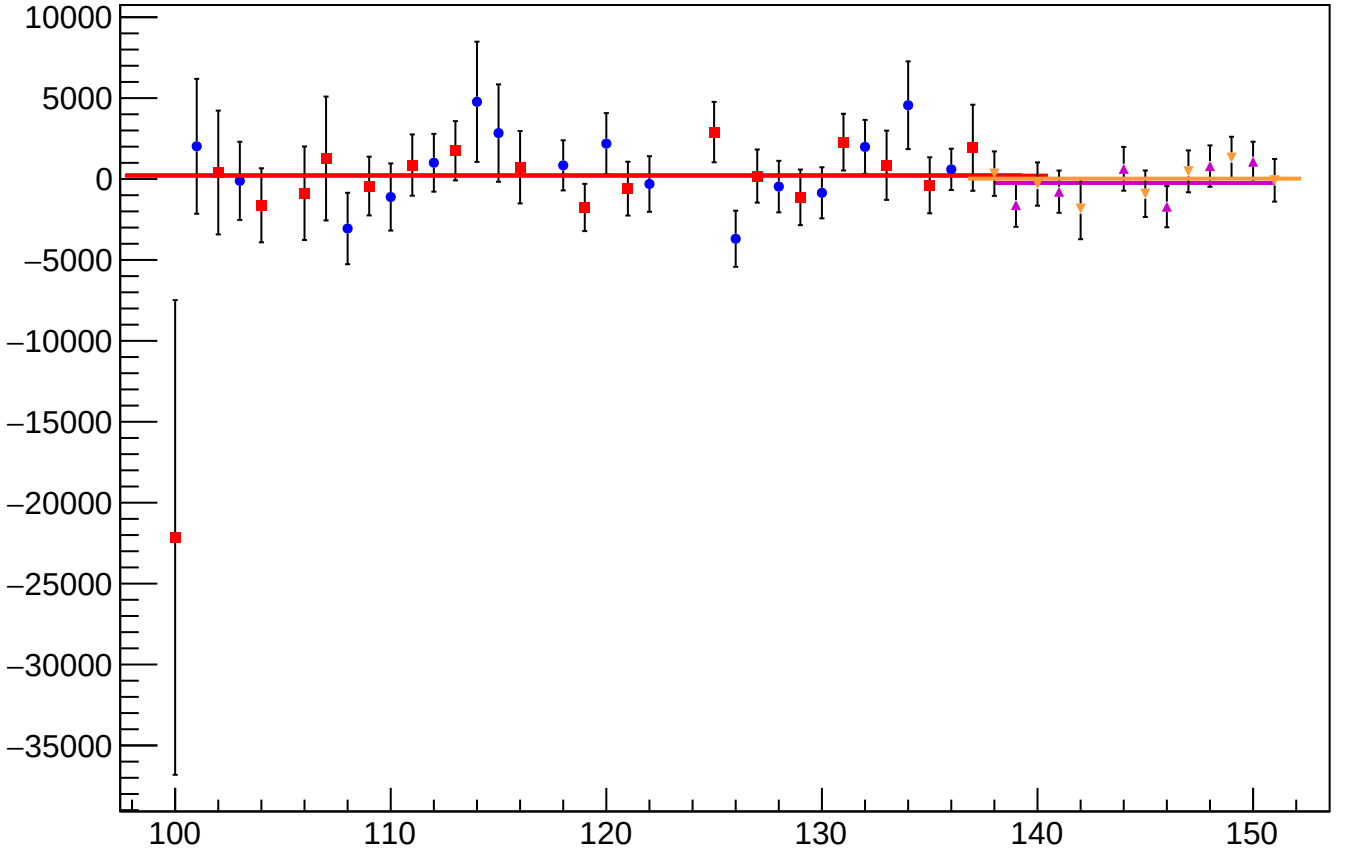
Left In: 445.140+/-0.138 χ^2/NDF:100896.0/5

+ sign 416.876+/-0.087 χ^2/NDF: 2097377.1/22

All: 415.261+/-0.062 χ^2/NDF: 4488828.1/46

- sign 413.646+/-0.087 χ^2/NDF: 2390763.8/23

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: 24.144+/-524.969 χ^2/NDF:2.6/6

Right Out: 209.751+/-477.820 χ^2/NDF: 11.0/17

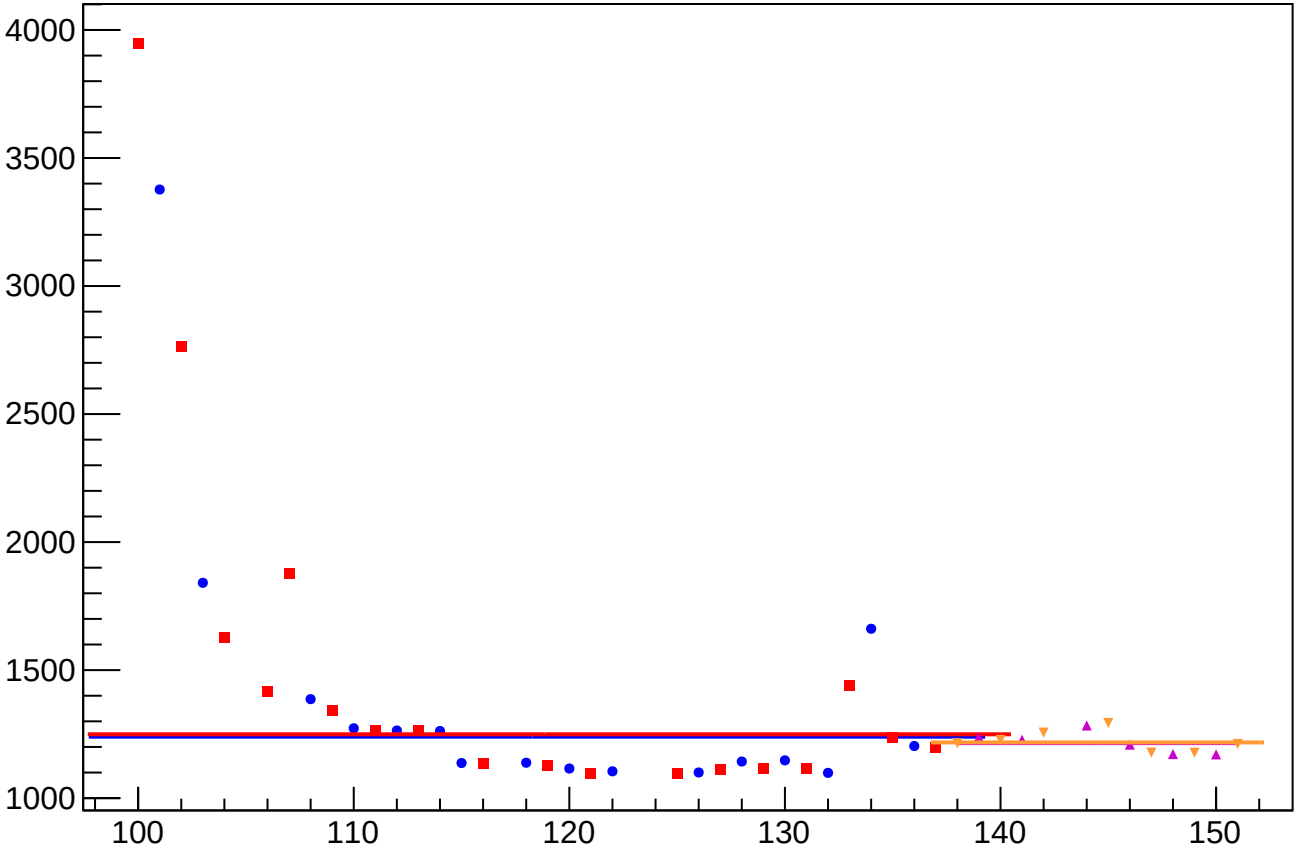
Left In: -242.154+/-529.433 χ^2/NDF:4.7/5

+ sign 134.576+/-352.040 χ^2/NDF: 18.8/22

All: 71.218+/-249.871 χ^2/NDF: 35.0/46

- sign 6.894+/-354.717 χ^2/NDF: 16.1/23

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1217.628+/-0.371 χ^2/NDF:10429.6/6

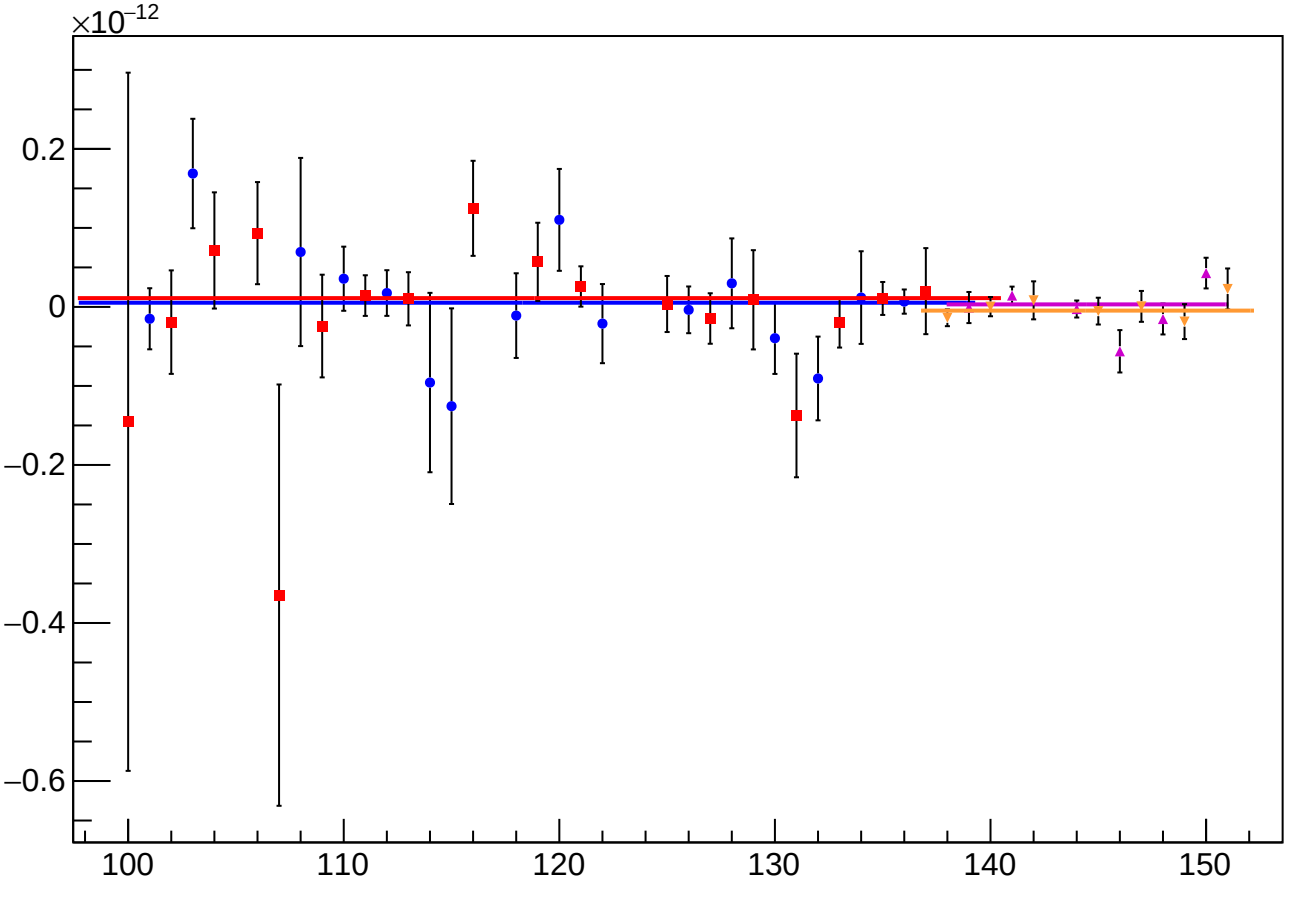
Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1214.938+/-0.374 χ^2/NDF:10827.8/5

+ sign 1230.016+/-0.249 χ^2/NDF: 795133.3/22

All: 1231.961+/-0.177 χ^2/NDF: 1416856.2/46

- sign 1233.936+/-0.251 χ^2/NDF: 621599.9/23



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.8/6

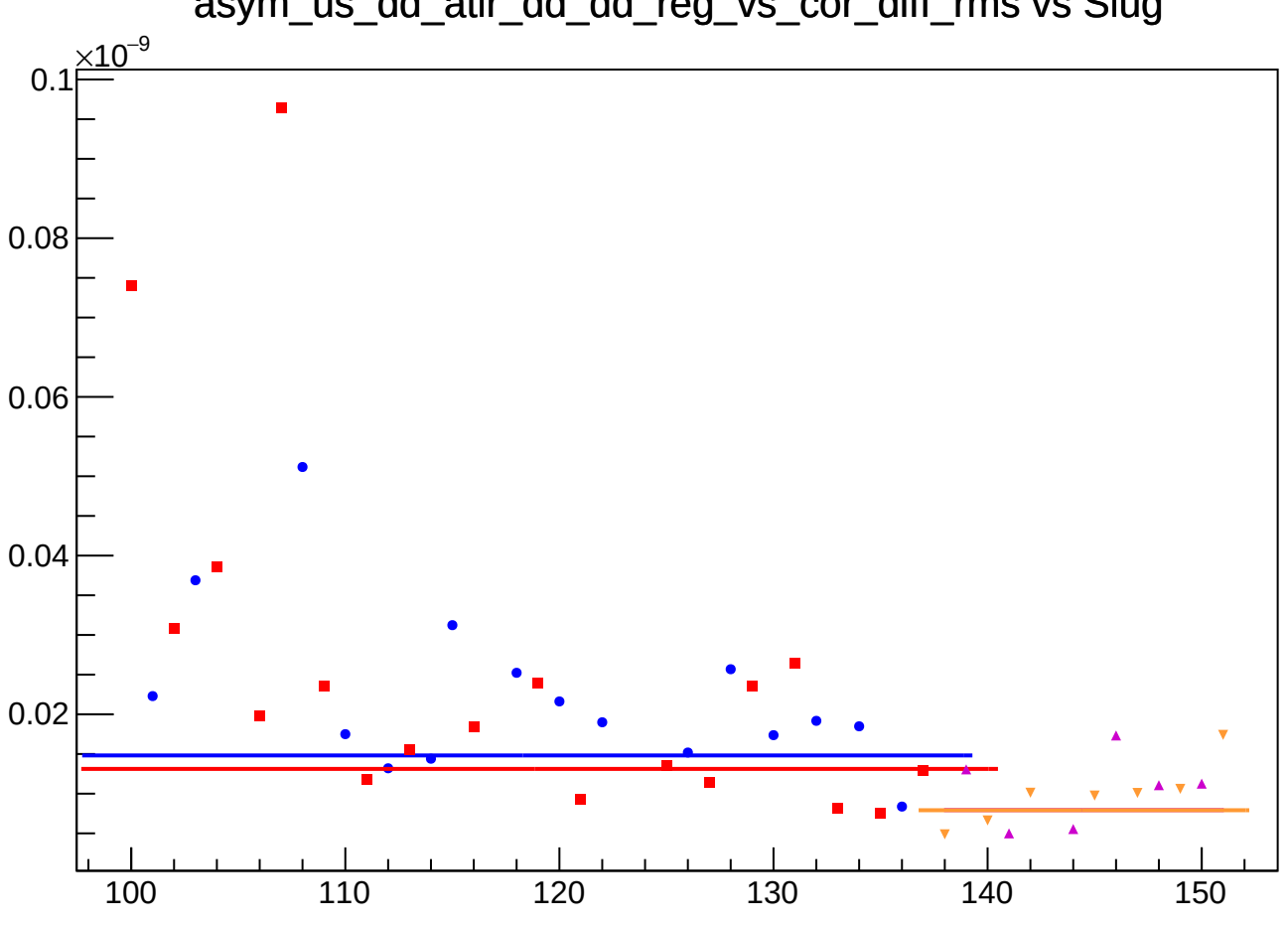
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/17

Left In: 0.000+/-0.000 χ^2/NDF:11.3/5

+ sign -0.000+/-0.000 χ^2/NDF: 19.9/22

All: 0.000+/-0.000 χ^2/NDF: 47.7/46

- sign 0.000+/-0.000 χ^2/NDF: 26.8/23



Right In: 0.000+/-0.000 χ^2/NDF: 1081472.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:547813.5/6

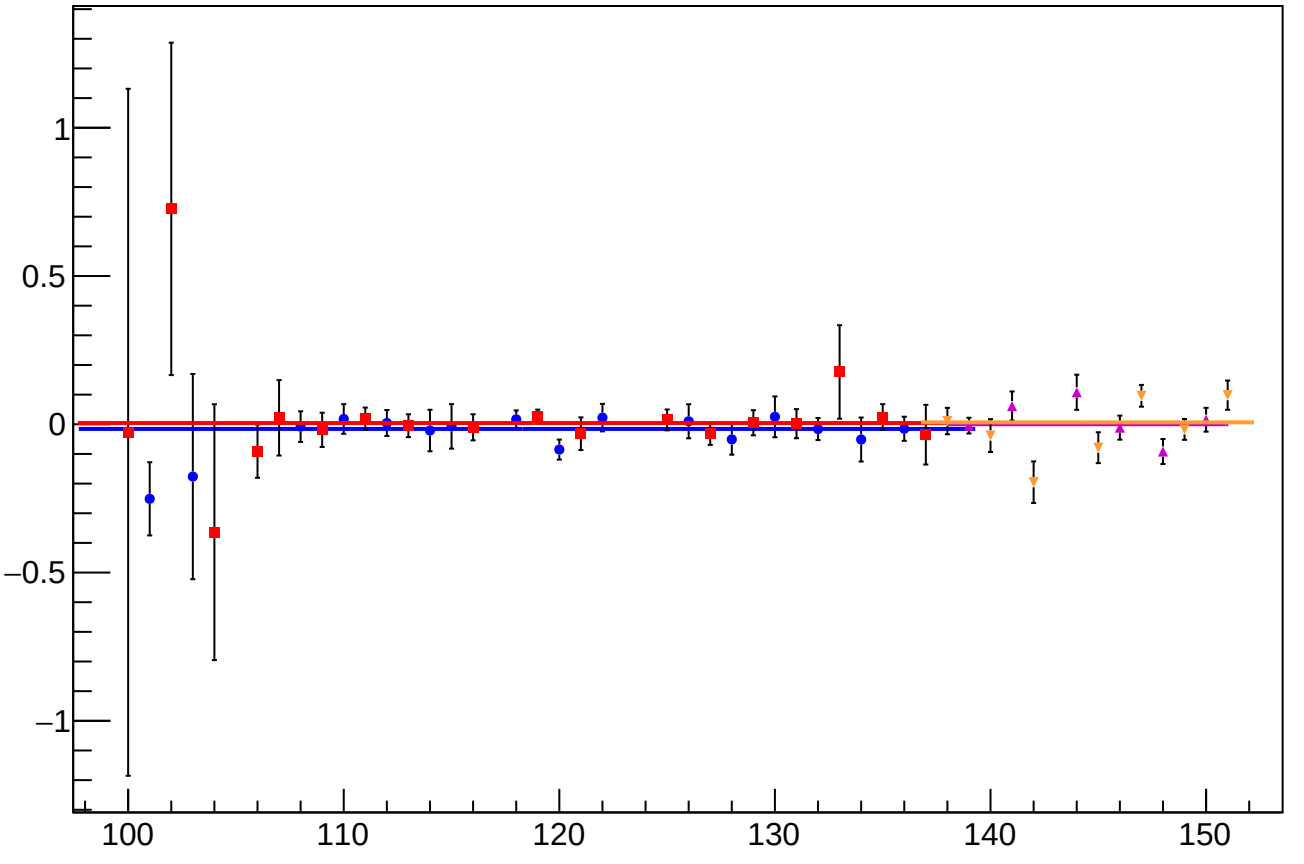
Right Out: 0.000+/-0.000 χ^2/NDF: 1181949.6/17

Left In: 0.000+/-0.000 χ^2/NDF:724847.9/5

+ sign 0.000+/-0.000 χ^2/NDF: 2361256.6/22

All: 0.000+/-0.000 χ^2/NDF: 4697869.0/46

- sign 0.000+/-0.000 χ^2/NDF: 2331874.4/23



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.007+/-0.017 χ^2/NDF:21.5/6

Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

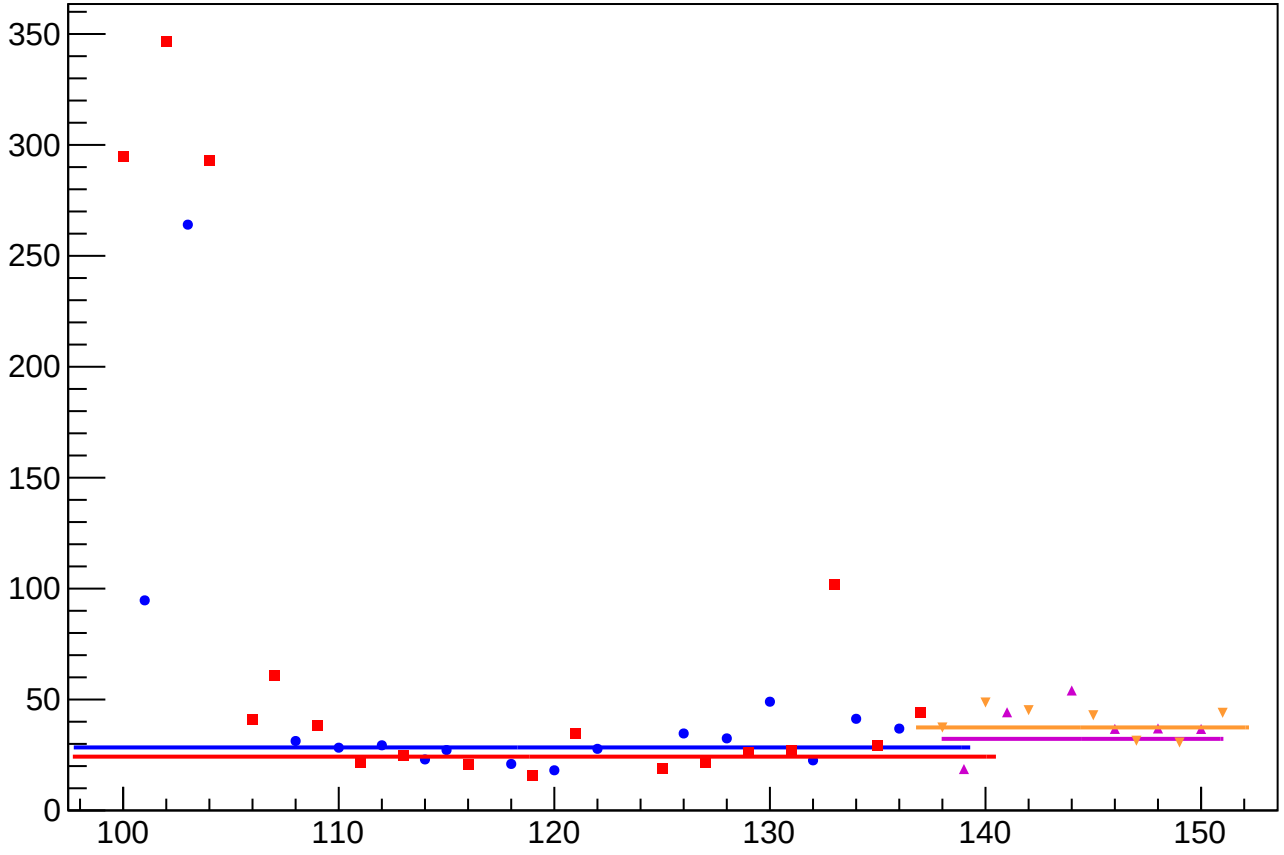
Left In: 0.000+/-0.016 χ^2/NDF:9.9/5

+ sign -0.008+/-0.010 χ^2/NDF: 34.5/22

All: -0.002+/-0.007 χ^2/NDF: 53.0/46

- sign 0.003+/-0.009 χ^2/NDF: 17.8/23

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: 37.425+/-0.012 χ^2/NDF:292549.0/6

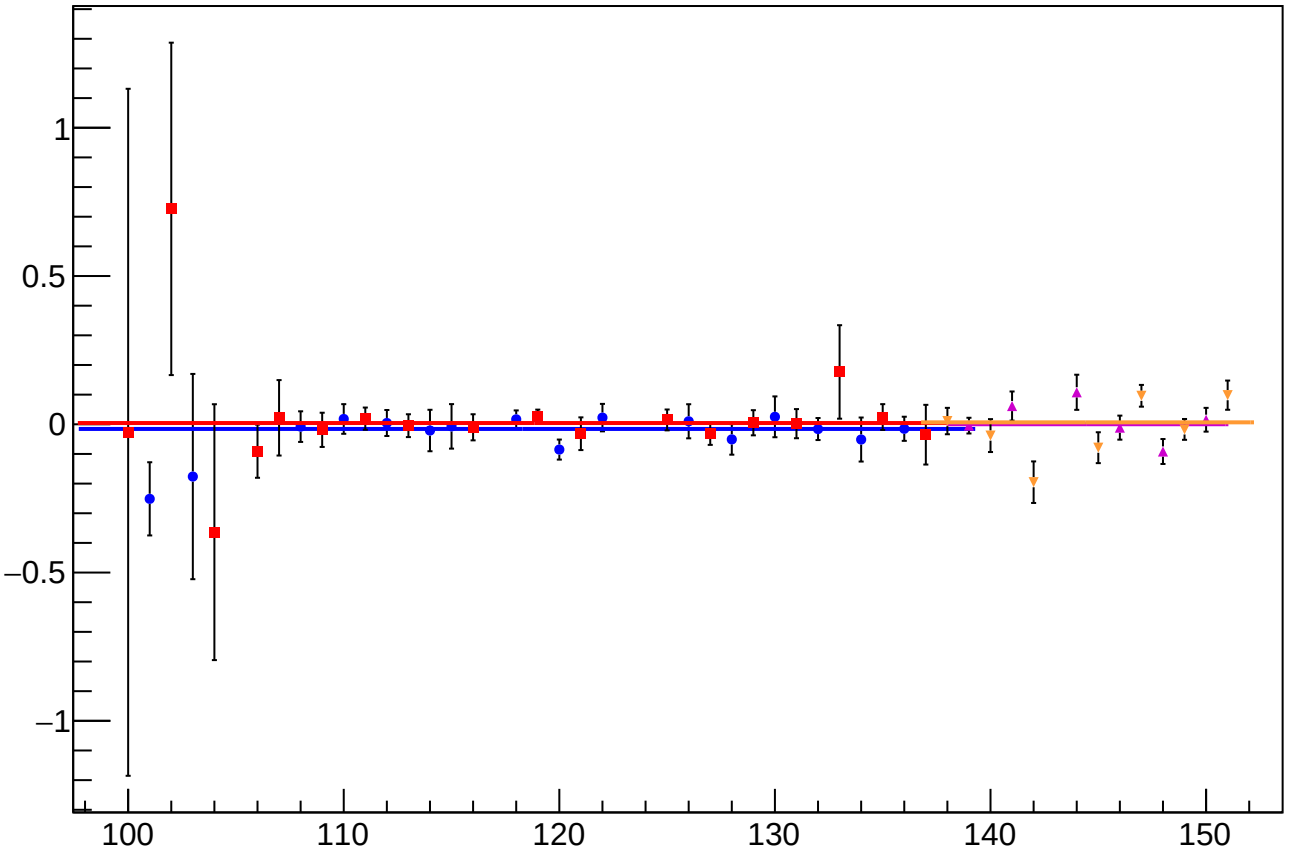
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 32.273+/-0.011 χ^2/NDF:991952.5/5

\+ sign 31.455+/-0.007 χ^2/NDF: 2900489.3/22

All: 29.048+/-0.005 χ^2/NDF: 7354100.4/46

\- sign 26.974+/-0.007 χ^2/NDF: 4238578.9/23



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.007+/-0.017 χ^2/NDF:21.5/6

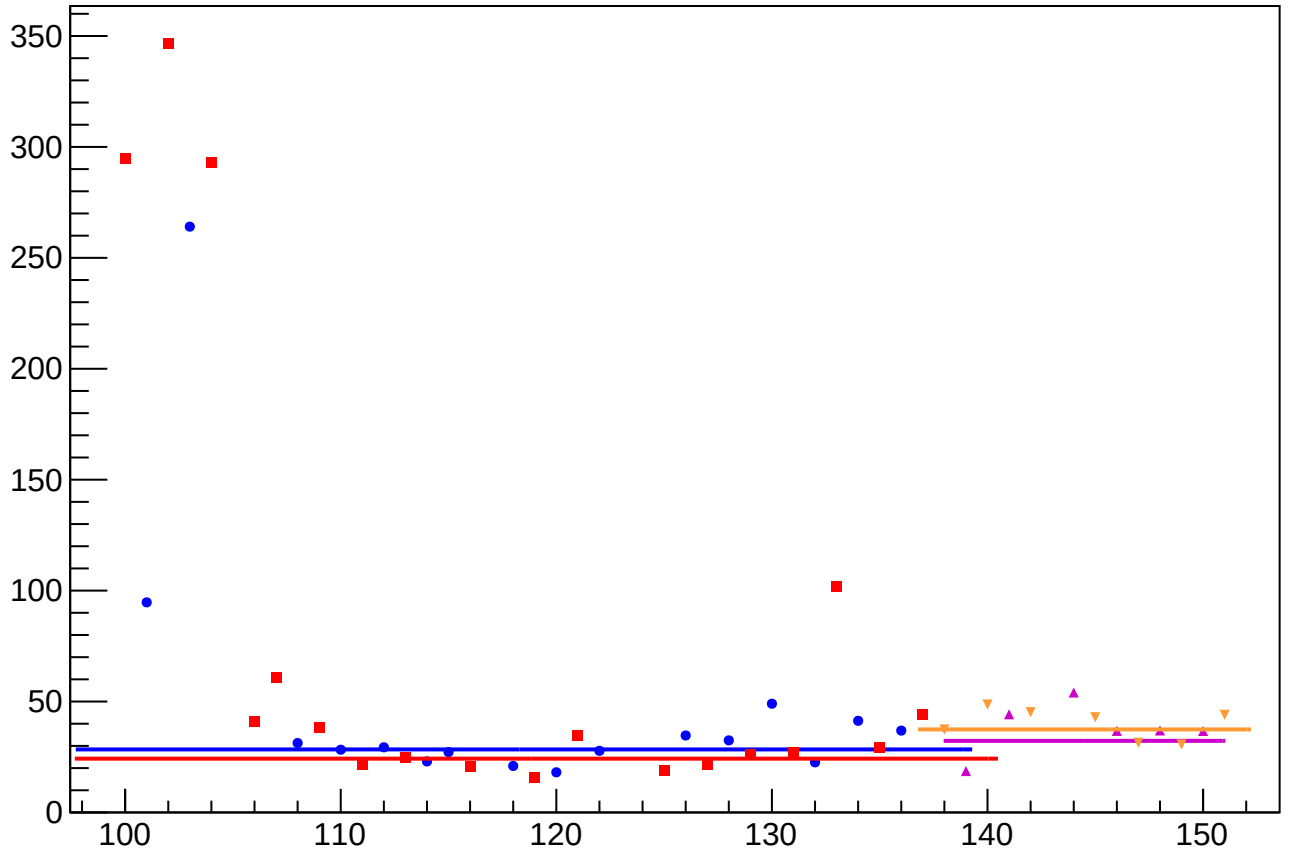
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.000+/-0.016 χ^2/NDF:9.9/5

+ sign -0.008+/-0.010 χ^2/NDF: 34.5/22

All: -0.002+/-0.007 χ^2/NDF: 53.0/46

- sign 0.003+/-0.009 χ^2/NDF: 17.8/23



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 37.425+/-0.012 χ^2/NDF:292549.0/6

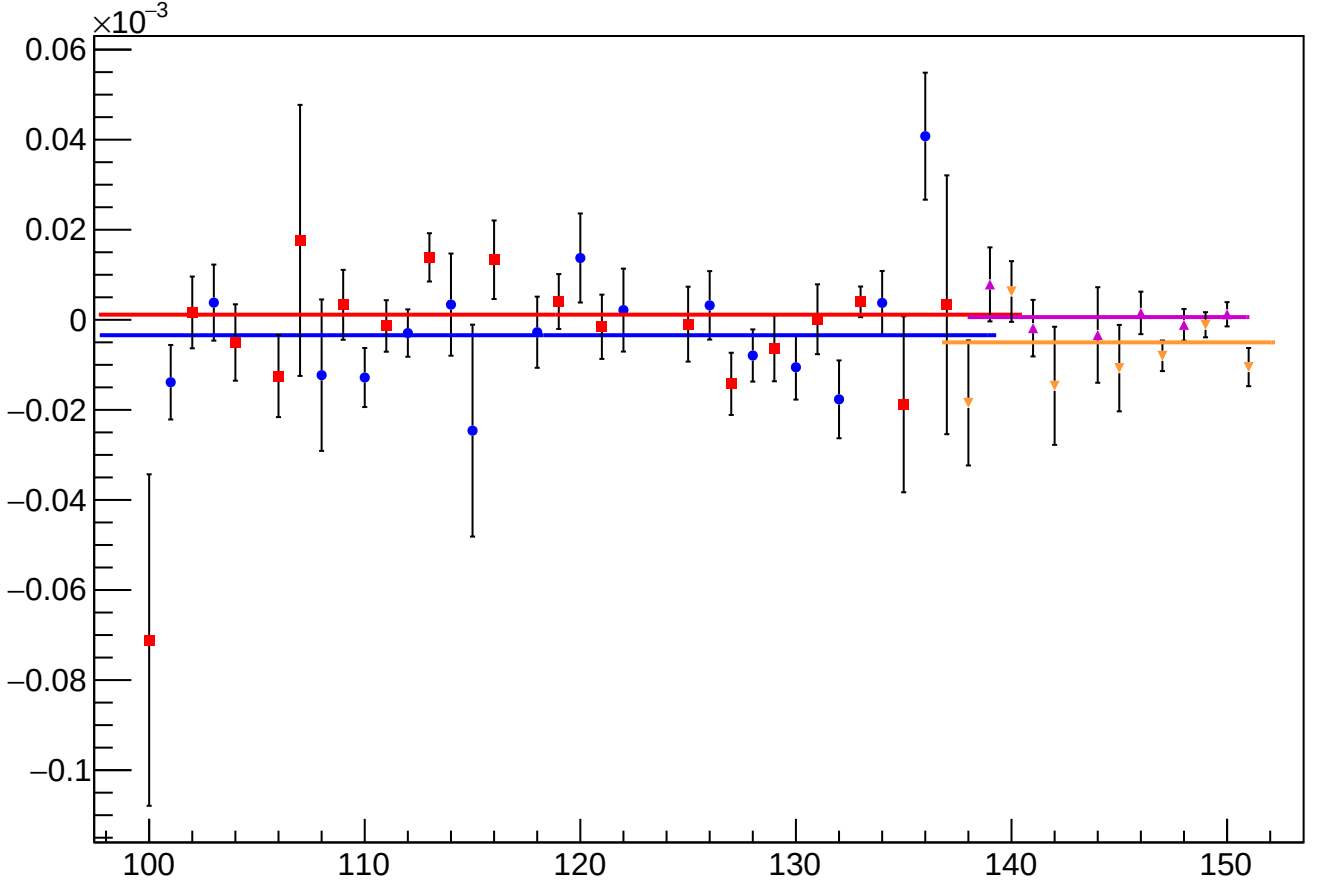
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 32.273+/-0.011 χ^2/NDF:991952.5/5

+ sign 31.455+/-0.007 χ^2/NDF: 2900489.3/22

All: 29.048+/-0.005 χ^2/NDF: 7354100.4/46

- sign 26.974+/-0.007 χ^2/NDF: 4238578.9/23



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.1/6

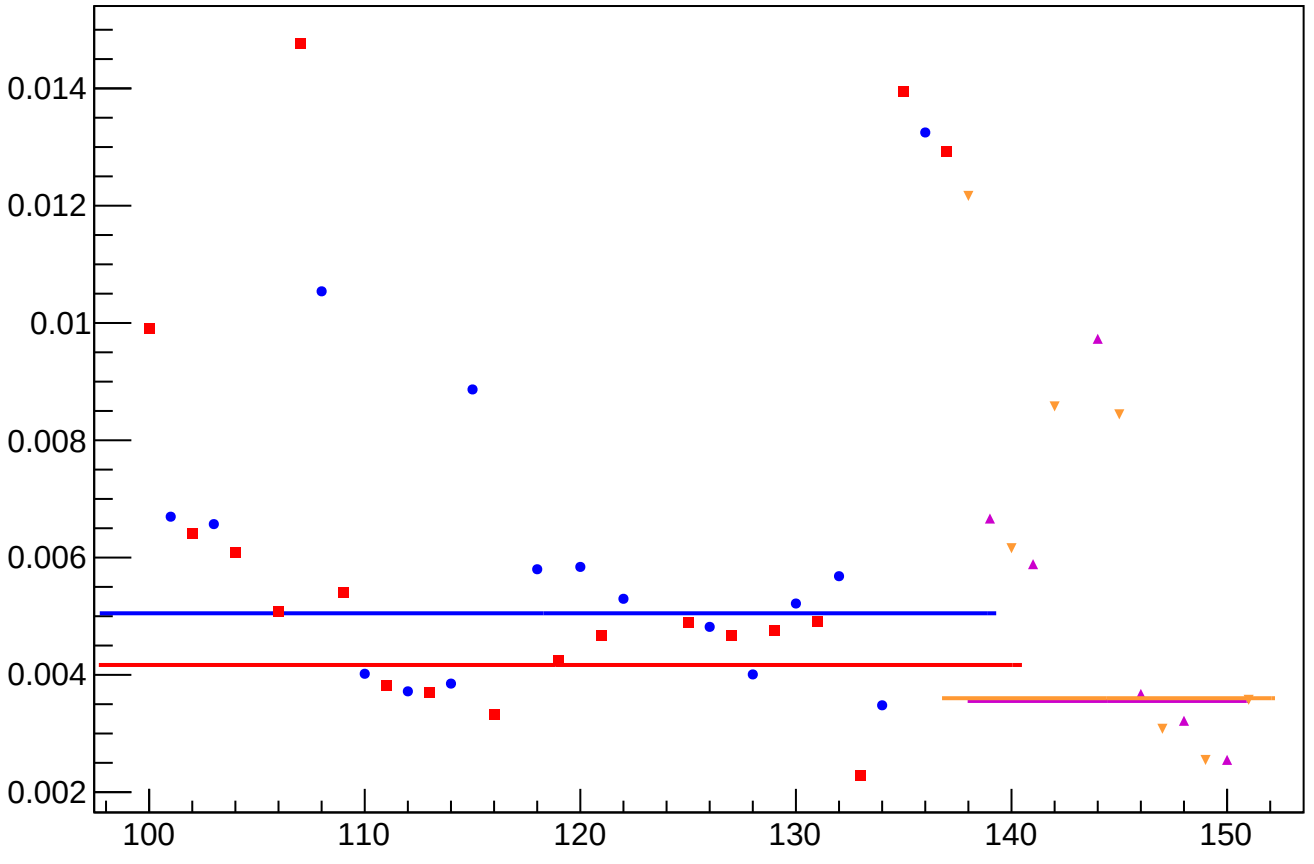
Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/17

Left In: 0.000+/-0.000 χ^2/NDF:1.4/5

\+ sign -0.000+/-0.000 χ^2/NDF: 34.5/22

All: -0.000+/-0.000 χ^2/NDF: 67.1/46

\- sign 0.000+/-0.000 χ^2/NDF: 24.4/23



Right In: 0.005+/-0.000 χ^2/NDF: 1494215.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:2178032.6/6

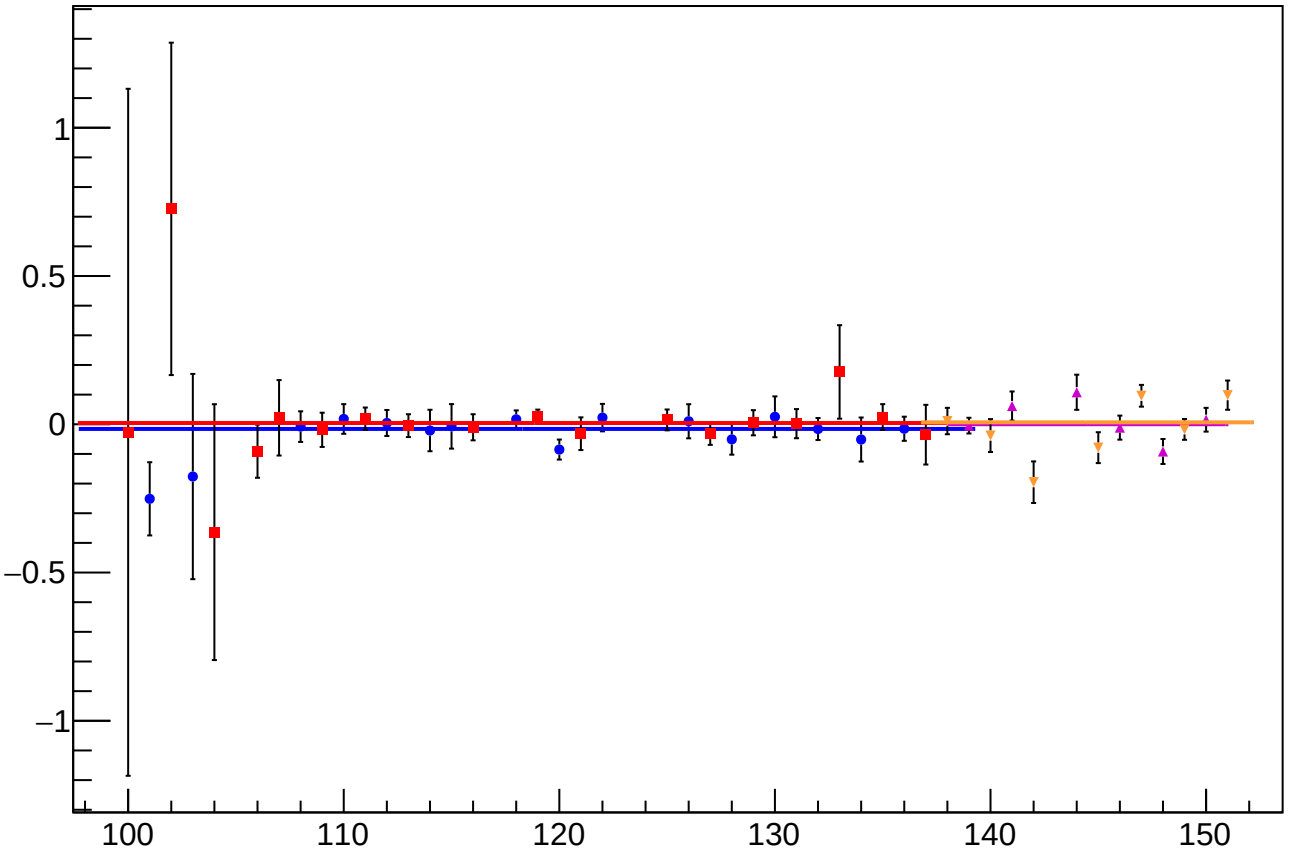
Right Out: 0.004+/-0.000 χ^2/NDF: 2041975.6/17

Left In: 0.004+/-0.000 χ^2/NDF:1537580.3/5

+ sign 0.004+/-0.000 χ^2/NDF: 4248716.6/22

All: 0.004+/-0.000 χ^2/NDF: 8028465.6/46

- sign 0.004+/-0.000 χ^2/NDF: 3703045.9/23



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.007+/-0.017 χ^2/NDF:21.5/6

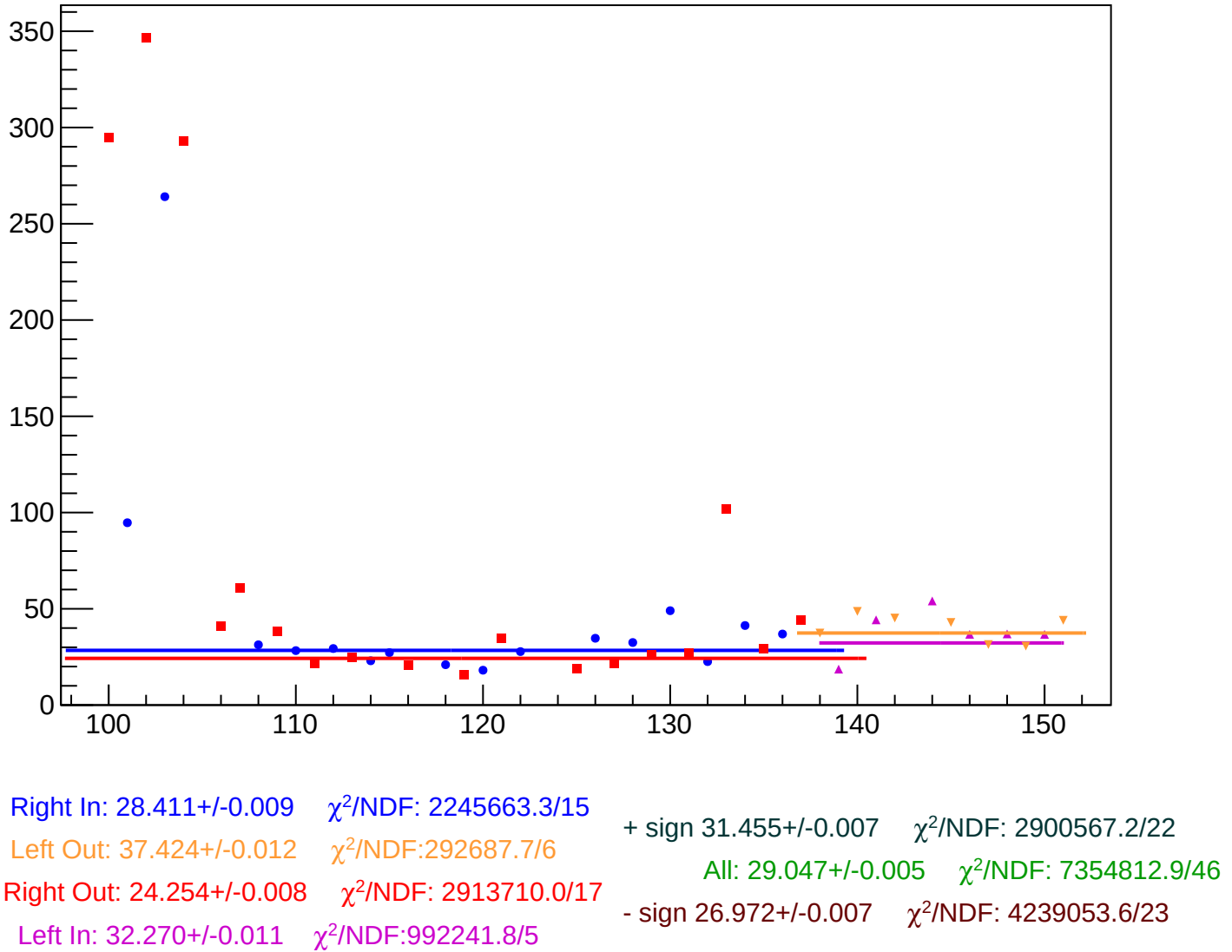
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

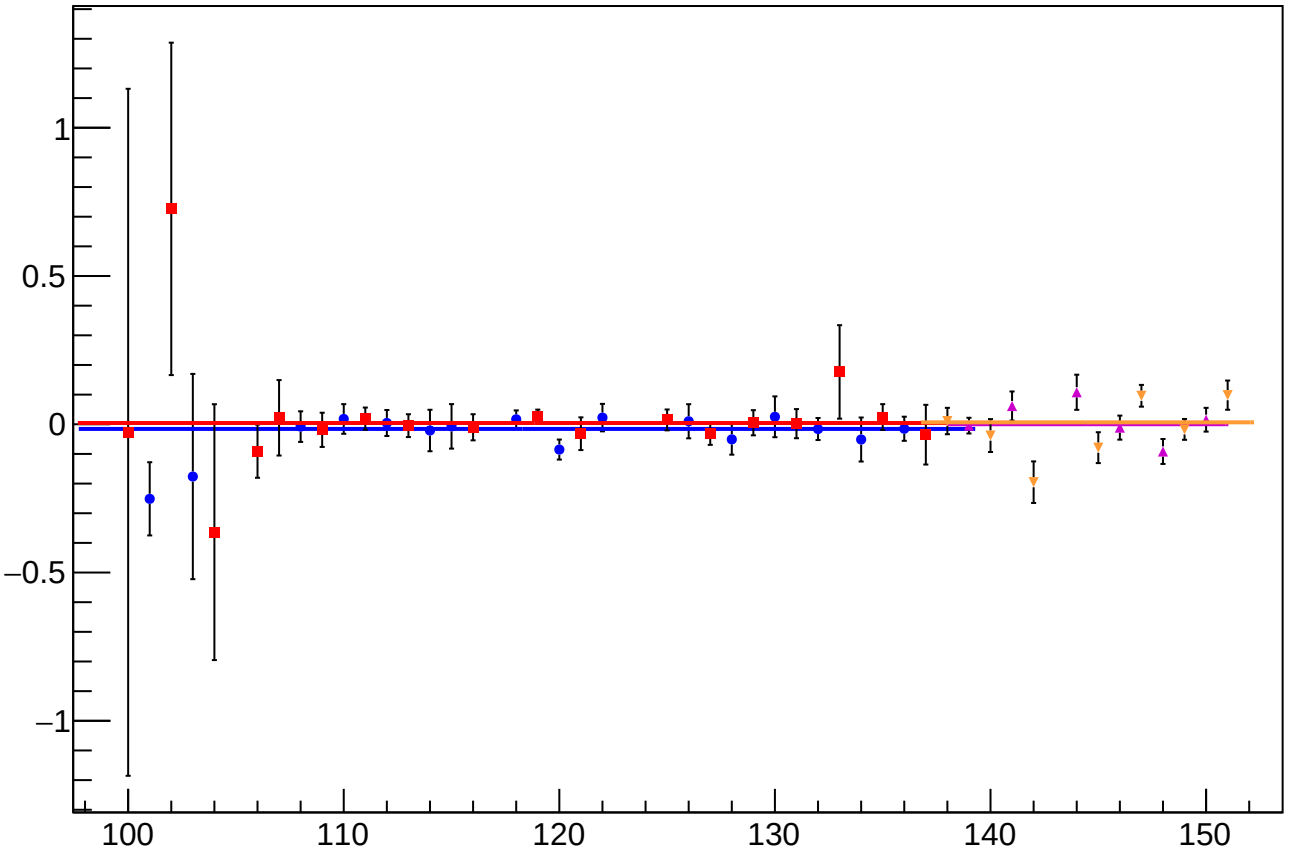
Left In: 0.000+/-0.016 χ^2/NDF:9.9/5

+ sign -0.008+/-0.010 χ^2/NDF: 34.5/22

All: -0.002+/-0.007 χ^2/NDF: 53.0/46

- sign 0.003+/-0.009 χ^2/NDF: 17.8/23


asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug
350
300
250
200
150
100
50
0
100
110
120
130
140
150
Right In: 28.411+/-0.009 χ²/NDF: 2245663.3/15
Left Out: 37.424+/-0.012 χ²/NDF:292687.7/6
Right Out: 24.254+/-0.008 χ²/NDF: 2913710.0/17
Left In: 32.270+/-0.011 χ²/NDF:992241.8/5
+ sign 31.455+/-0.007 χ²/NDF: 2900567.2/22
All: 29.047+/-0.005 χ²/NDF: 7354812.9/46
- sign 26.972+/-0.007 χ²/NDF: 4239053.6/23



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.007+/-0.017 χ^2/NDF:21.5/6

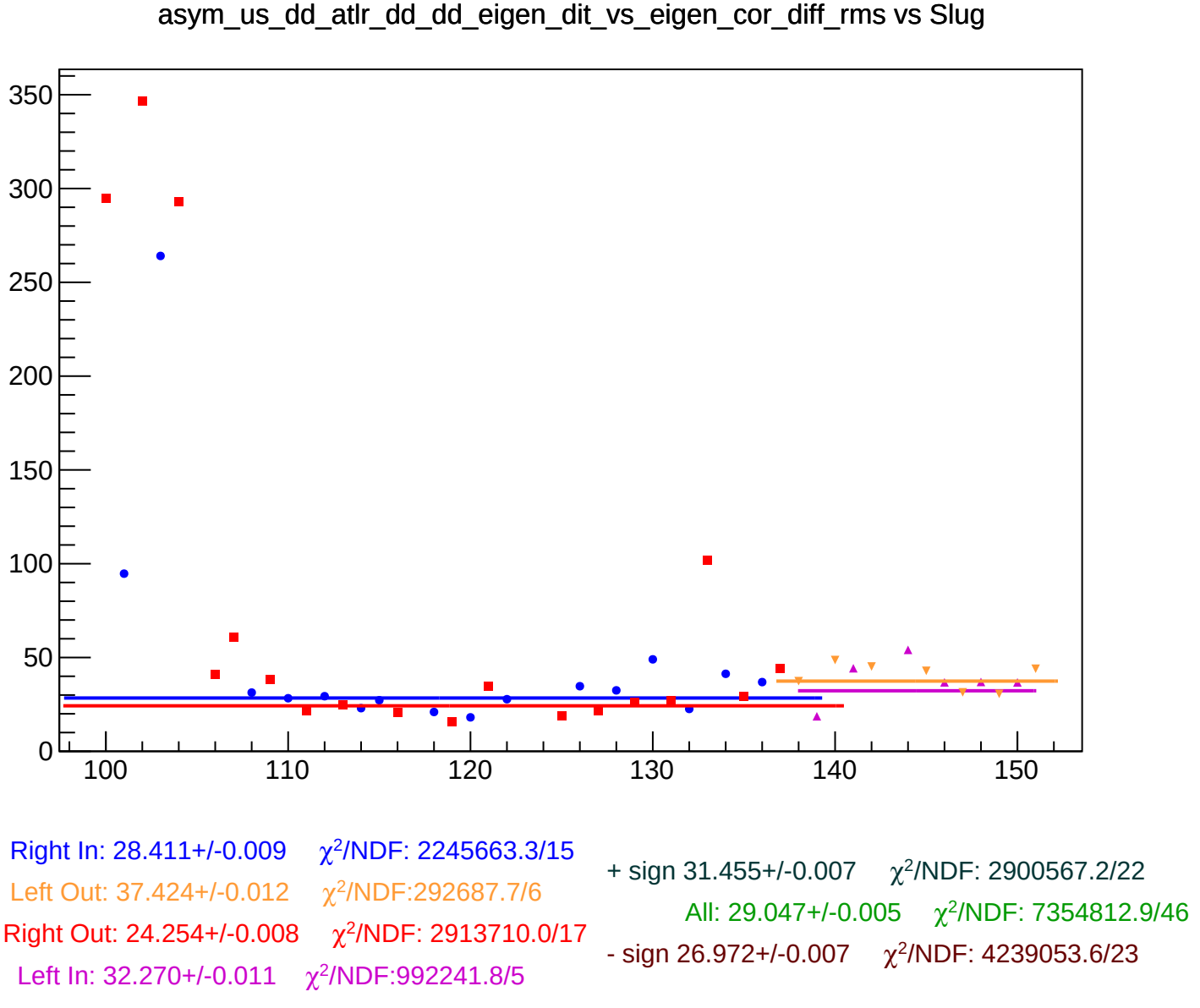
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

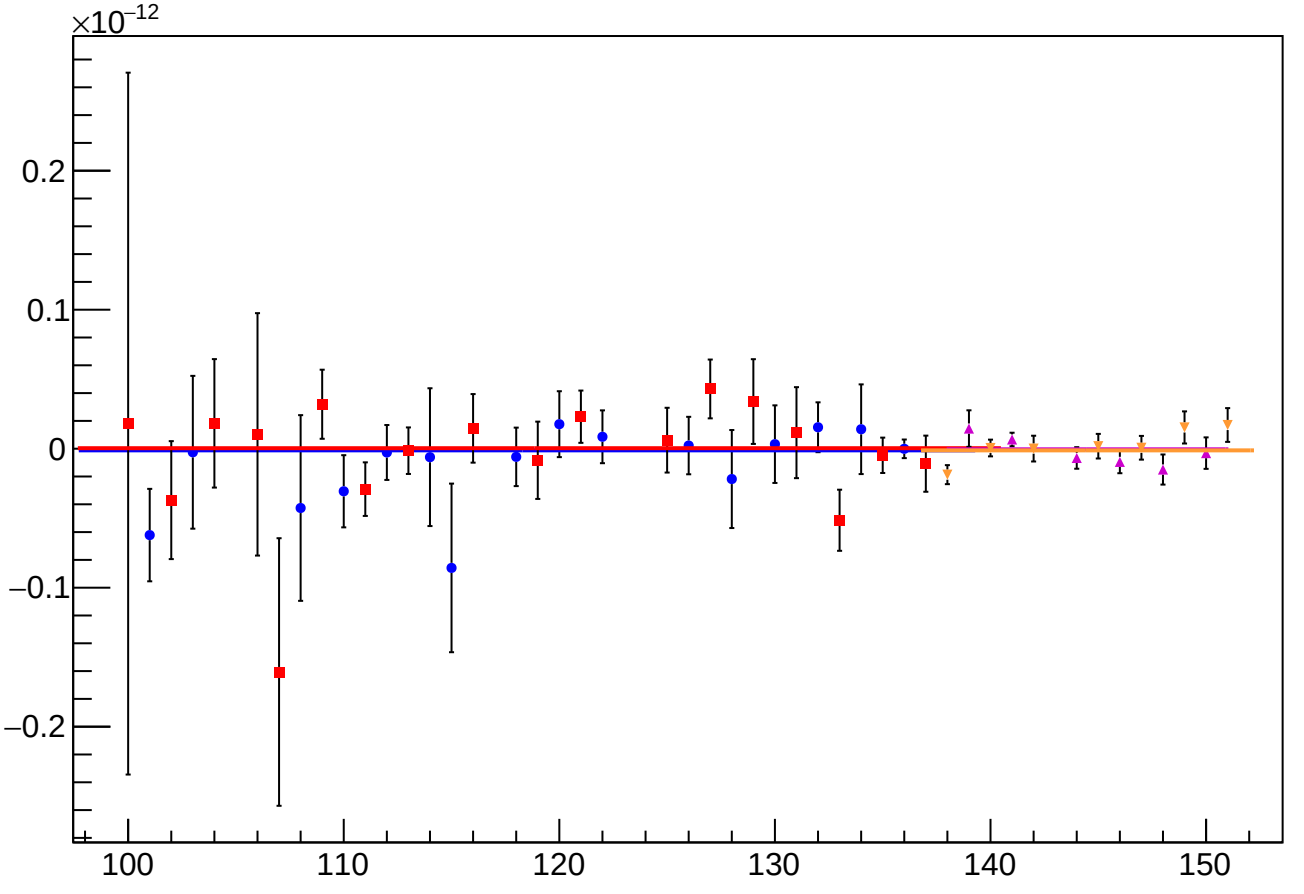
Left In: 0.000+/-0.016 χ^2/NDF:9.9/5

+ sign -0.008+/-0.010 χ^2/NDF: 34.5/22

All: -0.002+/-0.007 χ^2/NDF: 53.0/46

- sign 0.003+/-0.009 χ^2/NDF: 17.8/23


asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
350
300
250
200
150
100
50
0
100
110
120
130
140
150
Right In: 28.411+/-0.009 χ²/NDF: 2245663.3/15
Left Out: 37.424+/-0.012 χ²/NDF:292687.7/6
Right Out: 24.254+/-0.008 χ²/NDF: 2913710.0/17
Left In: 32.270+/-0.011 χ²/NDF:992241.8/5
+ sign 31.455+/-0.007 χ²/NDF: 2900567.2/22
All: 29.047+/-0.005 χ²/NDF: 7354812.9/46
- sign 26.972+/-0.007 χ²/NDF: 4239053.6/23



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.1/6

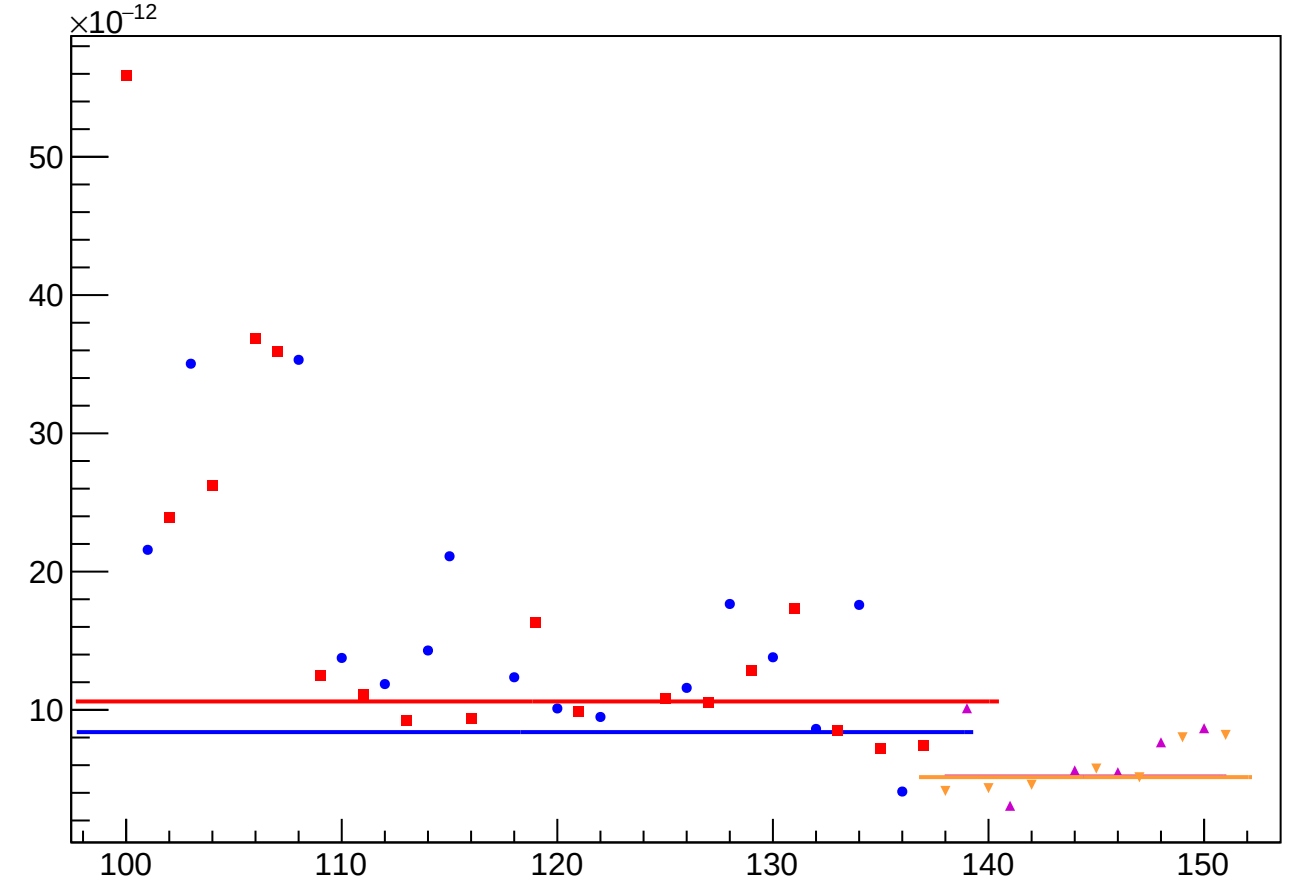
Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: -0.000+/-0.000 χ^2/NDF:7.1/5

+ sign -0.000+/-0.000 χ^2/NDF: 20.5/22

All: -0.000+/-0.000 χ^2/NDF: 48.8/46

- sign -0.000+/-0.000 χ^2/NDF: 28.2/23



Right In: 0.000+/-0.000 χ^2/NDF: 2710106.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:345197.8/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1233909.7/17

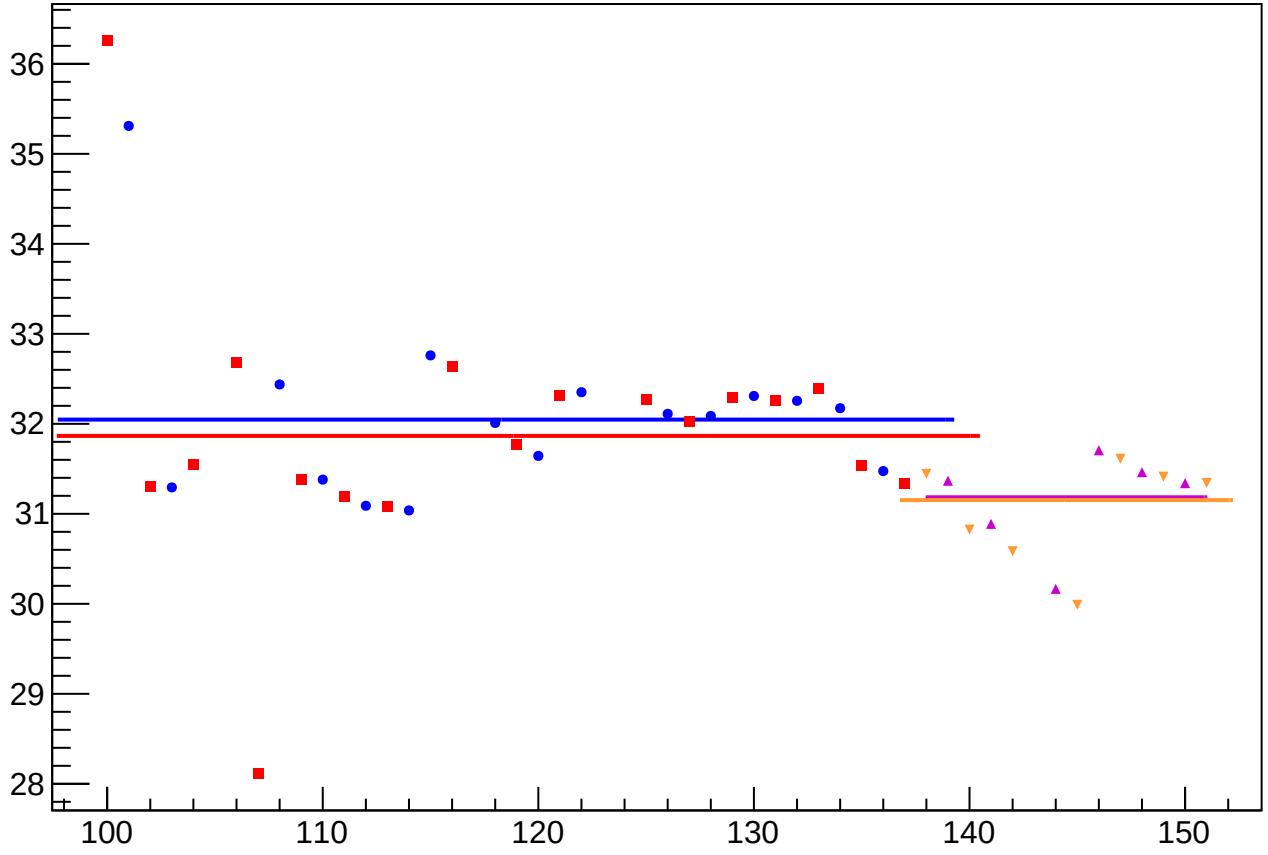
Left In: 0.000+/-0.000 χ^2/NDF:965070.2/5

+ sign 0.000+/-0.000 χ^2/NDF: 3703918.1/22

All: 0.000+/-0.000 χ^2/NDF: 7332274.0/46

- sign 0.000+/-0.000 χ^2/NDF: 3605786.9/23

yield_usl_mean vs Slug



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 31.152+/-0.000 χ^2/NDF:183630045.8/6

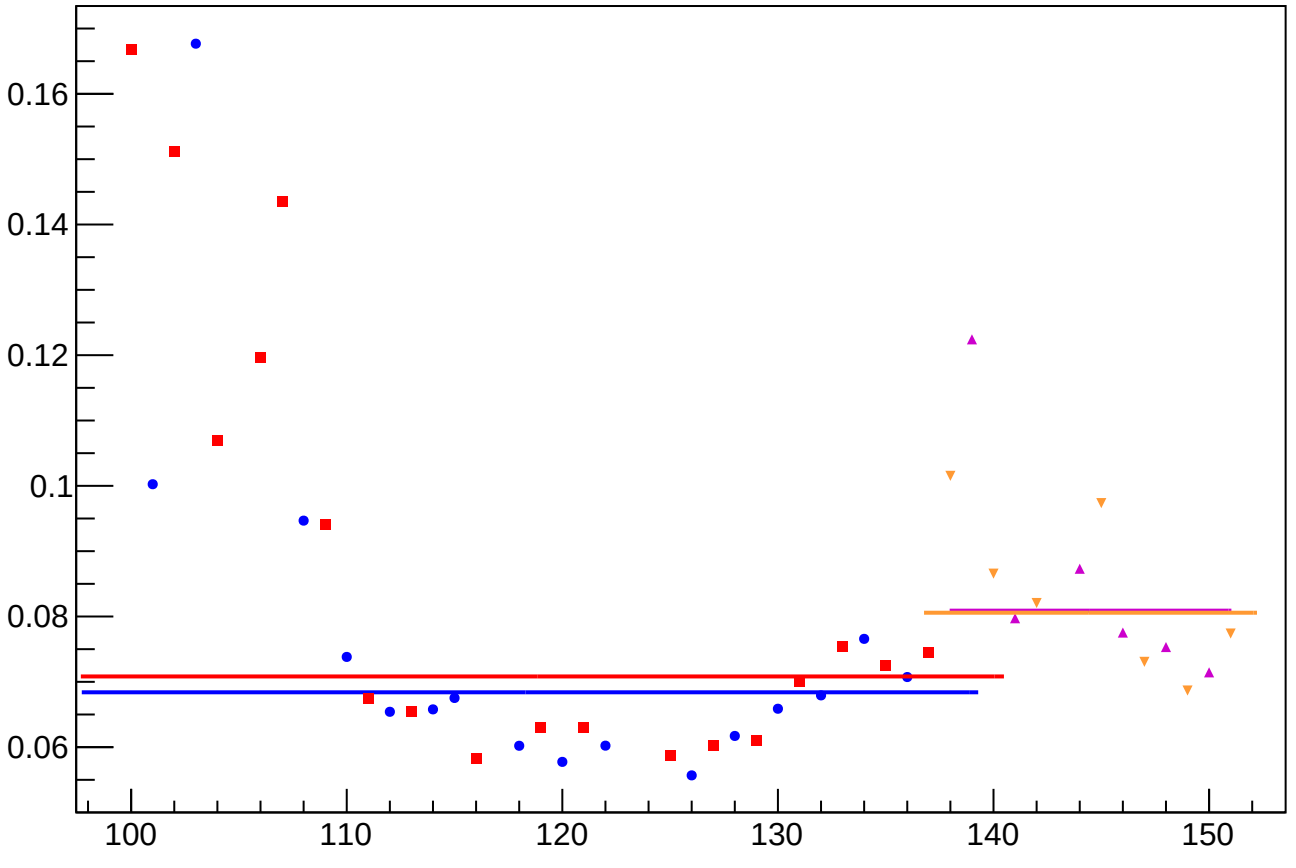
Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

Left In: 31.184+/-0.000 χ^2/NDF:171277689.9/5

+ sign 31.731+/-0.000 χ^2/NDF: 1459981341.9/22

All: 31.677+/-0.000 χ^2/NDF: 2338571255.1/4

- sign 31.619+/-0.000 χ^2/NDF: 866011464.2/23



Right In: 0.068+/-0.000 χ^2/NDF: 703207.9/15

Left Out: 0.081+/-0.000 χ^2/NDF:176721.0/6

Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

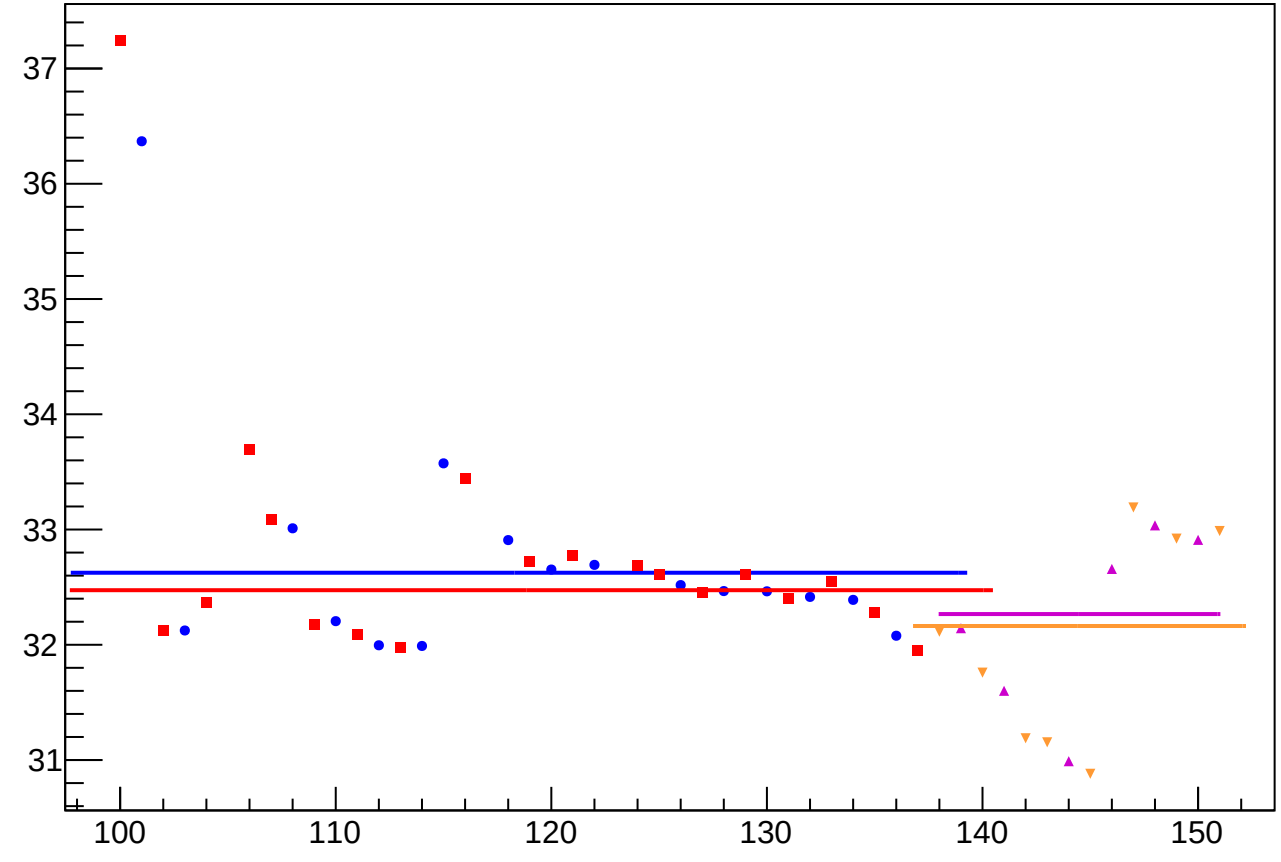
Left In: 0.081+/-0.000 χ^2/NDF:230337.4/5

+ sign 0.073+/-0.000 χ^2/NDF: 1020007.1/22

All: 0.074+/-0.000 χ^2/NDF: 2215857.5/46

- sign 0.074+/-0.000 χ^2/NDF: 1189583.9/23

yield_usr_mean vs Slug



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 32.163+/-0.000 χ^2/NDF:715198324.5/7

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

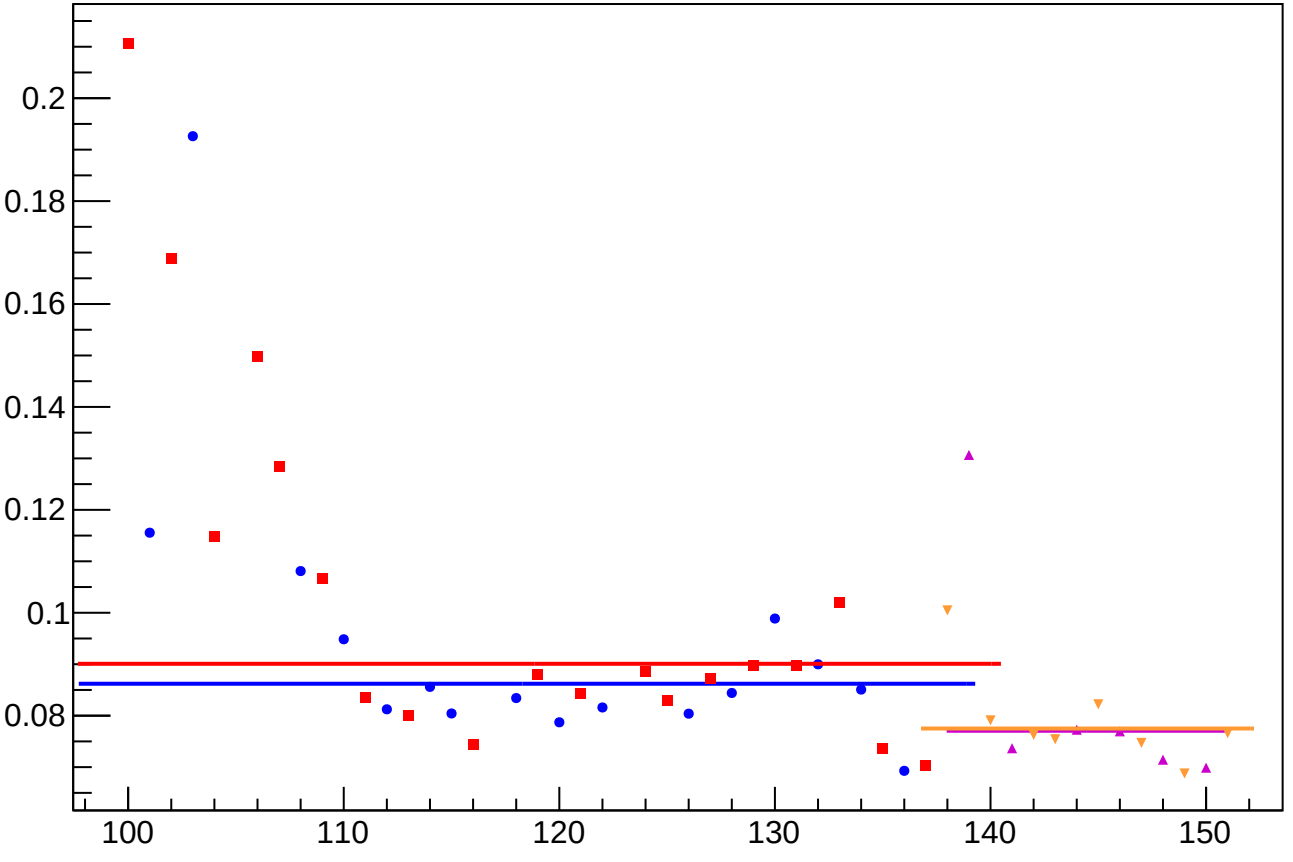
Left In: 32.267+/-0.000 χ^2/NDF:472114506.8/5

+ sign 32.384+/-0.000 χ^2/NDF: 1548241273.8/23

All: 32.378+/-0.000 χ^2/NDF: 2194306885.4/4

- sign 32.370+/-0.000 χ^2/NDF: 645897462.1/24

yield_usr_rms vs Slug



Right In: 0.086+/-0.000 χ^2/NDF: 598718.4/15

Left Out: 0.078+/-0.000 χ^2/NDF:109105.6/7

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

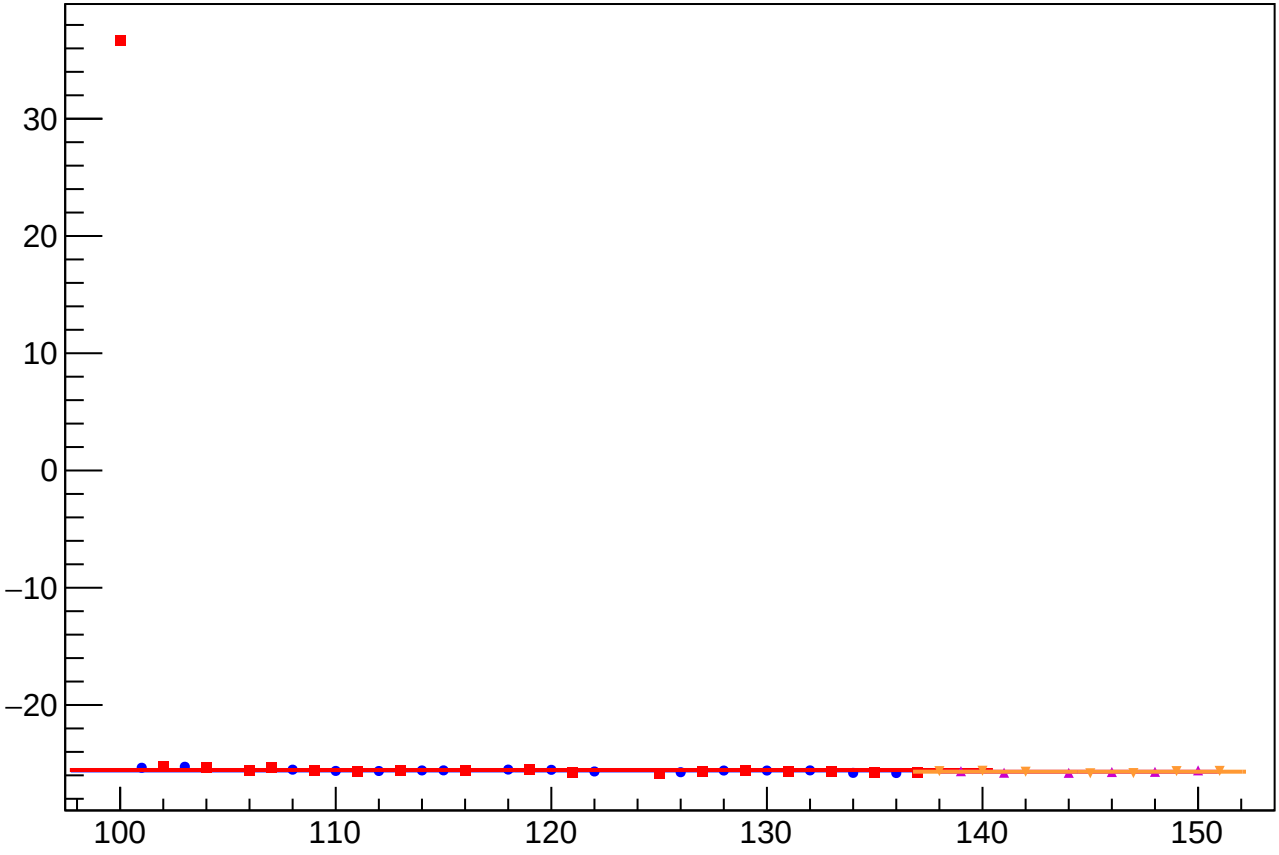
Left In: 0.077+/-0.000 χ^2/NDF:305430.5/5

+ sign 0.082+/-0.000 χ^2/NDF: 774385.5/23

All: 0.083+/-0.000 χ^2/NDF: 1841951.9/48

- sign 0.084+/-0.000 χ^2/NDF: 1061459.2/24

yield_dsl_mean vs Slug



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -25.688+/-0.000 χ^2/NDF:20338339.5/6

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

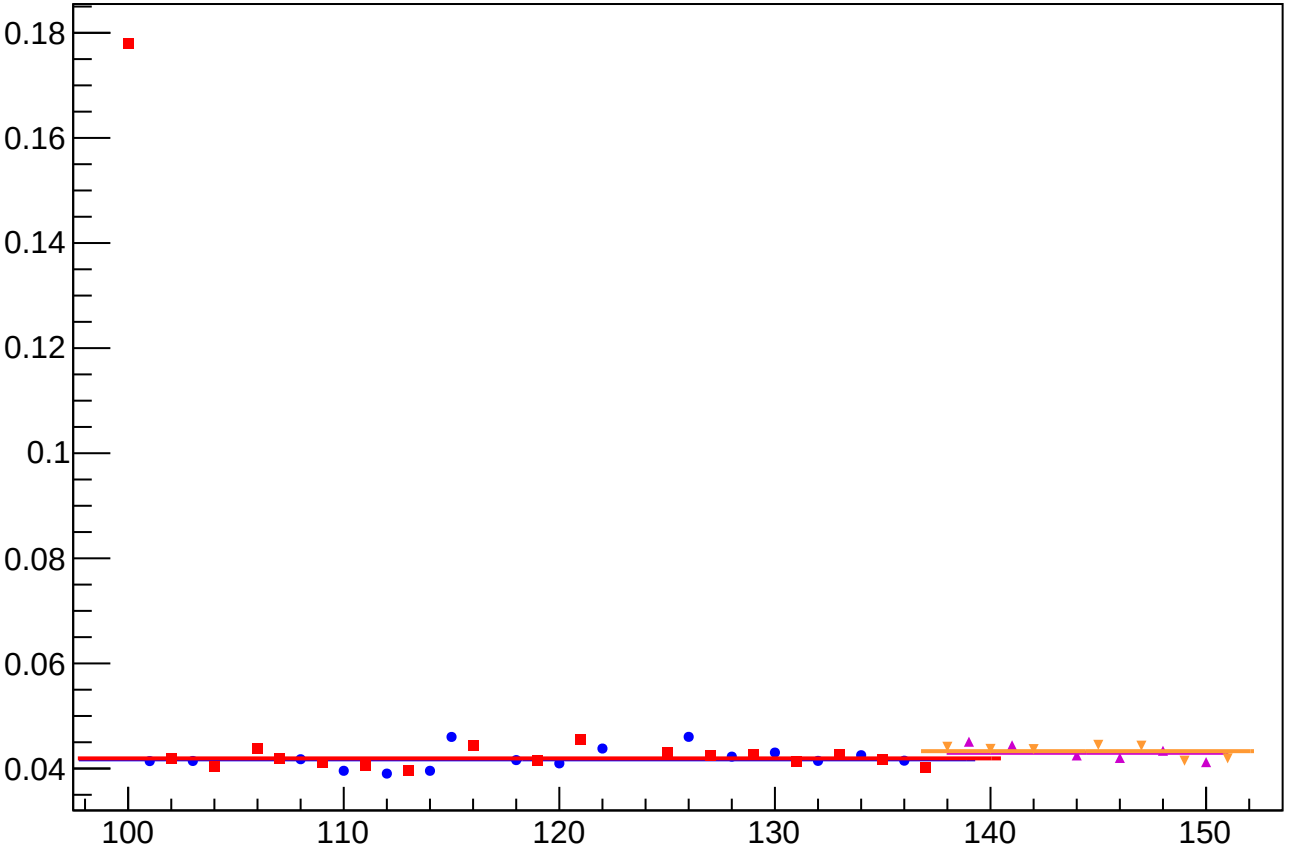
Left In: -25.698+/-0.000 χ^2/NDF:15619718.5/5

+ sign -25.624+/-0.000 χ^2/NDF: 138728133.8/22

All: -25.615+/-0.000 χ^2/NDF: 9102665787.7/

- sign -25.606+/-0.000 χ^2/NDF: 8962912259.5/23

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:7789.8/6

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

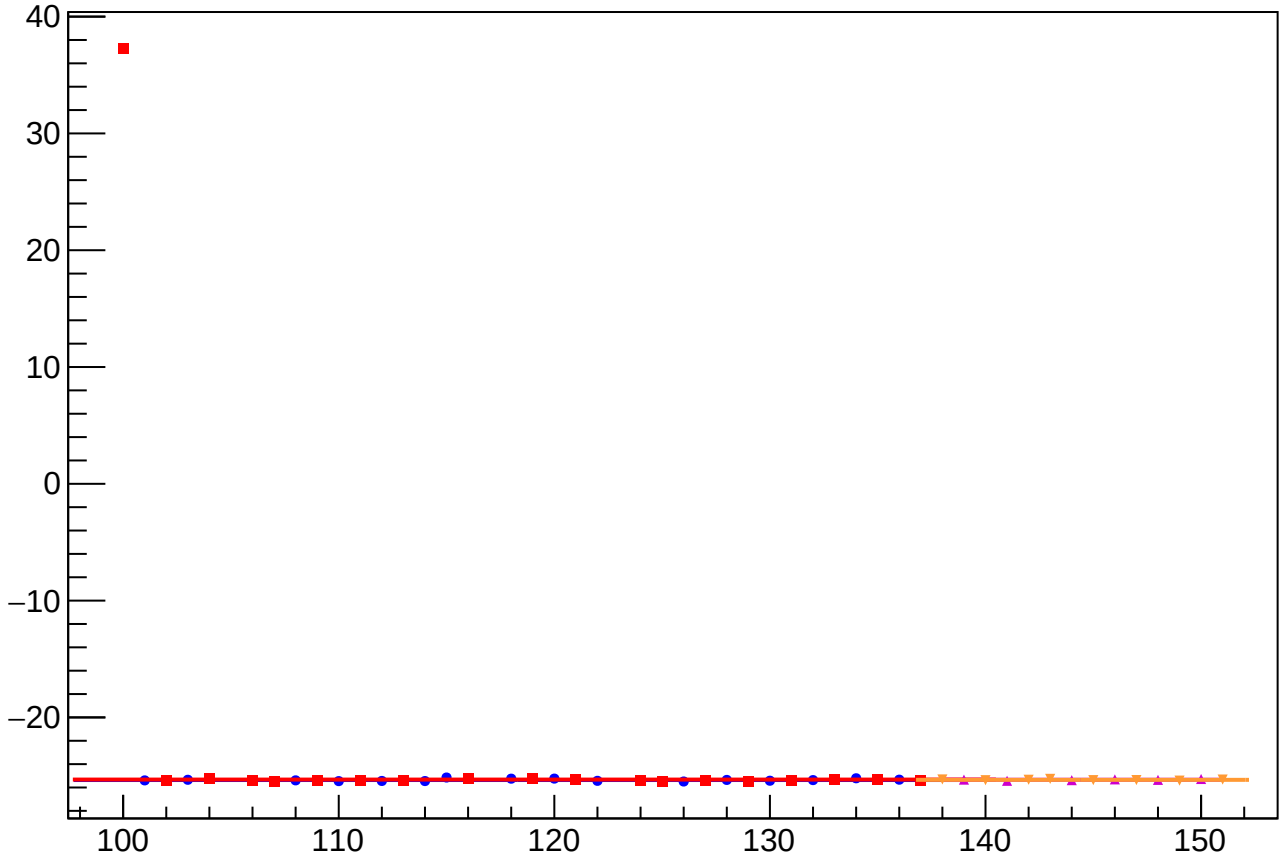
Left In: 0.043+/-0.000 χ^2/NDF:10064.9/5

+ sign 0.042+/-0.000 χ^2/NDF: 36651.0/22

All: 0.042+/-0.000 χ^2/NDF: 150654.4/46

- sign 0.042+/-0.000 χ^2/NDF: 113999.8/23

yield_dsr_mean vs Slug



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.345+/-0.000 χ^2/NDF:3720828.7/7

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

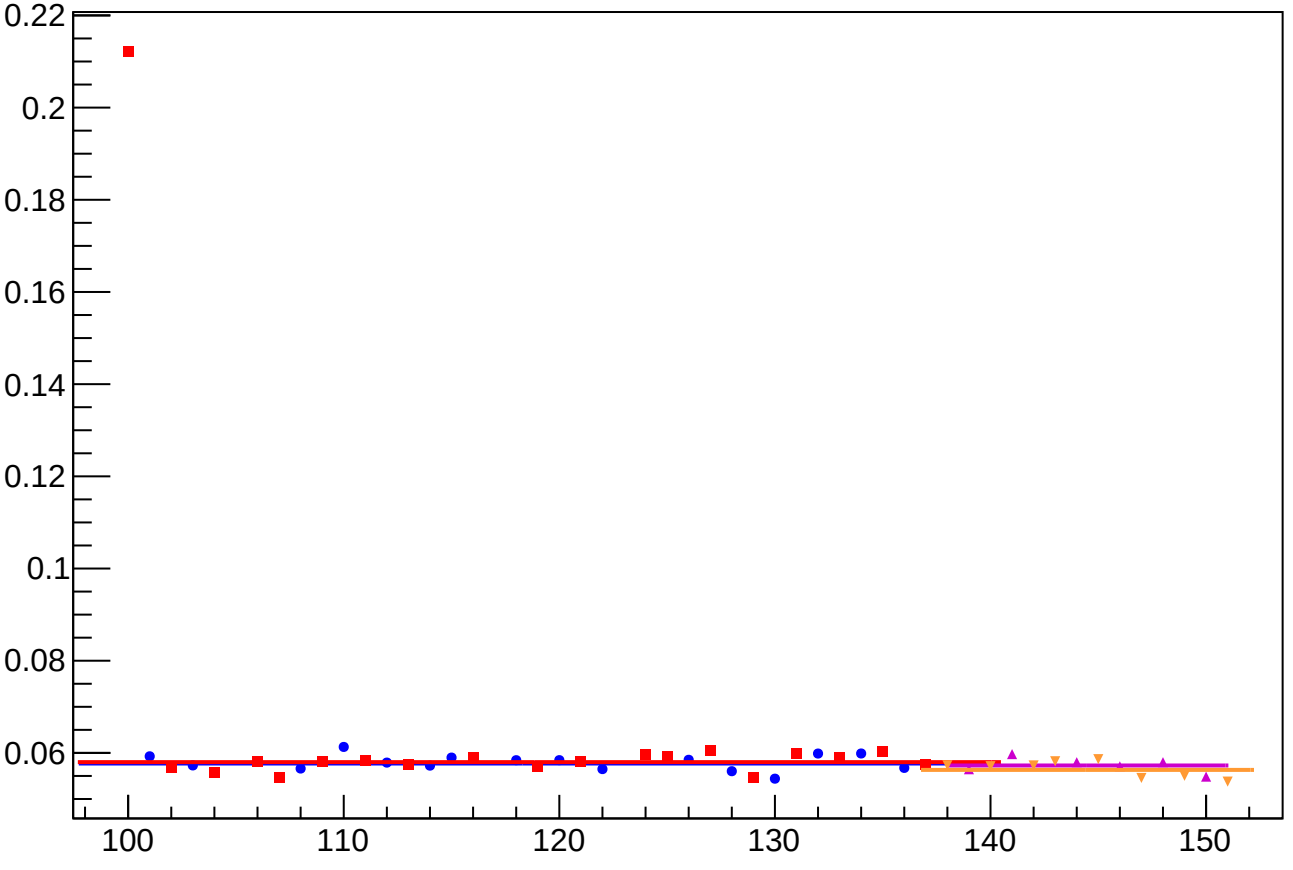
Left In: -25.338+/-0.000 χ^2/NDF:3798709.4/5

\+ sign -25.353+/-0.000 χ^2/NDF: 17236823.4/23

All: -25.341+/-0.000 χ^2/NDF: 6337297539.2/

\- sign -25.329+/-0.000 χ^2/NDF: 6318943910.8/24

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:11261.6/7

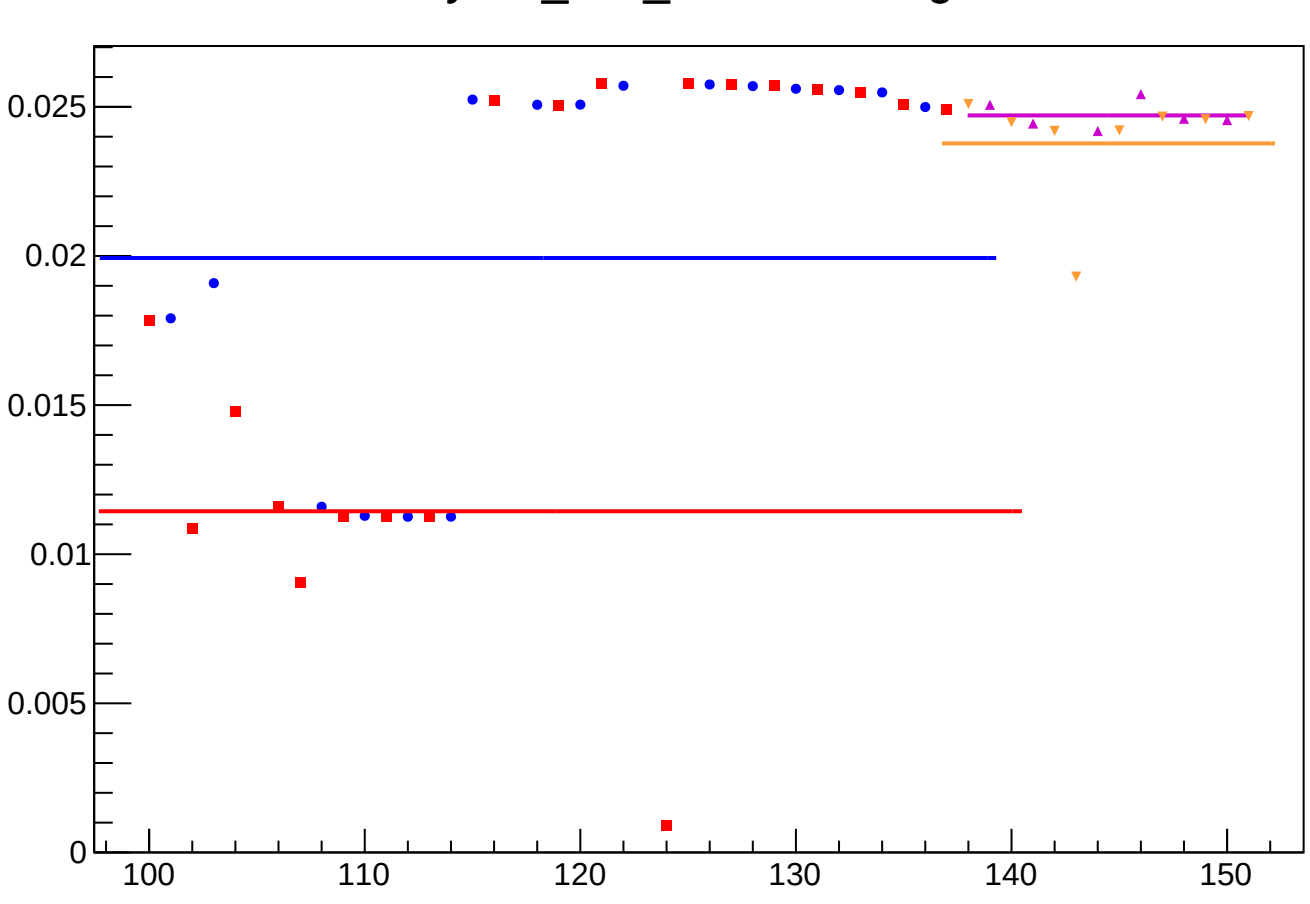
Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.057+/-0.000 χ^2/NDF:7156.6/5

+ sign 0.057+/-0.000 χ^2/NDF: 26848.0/23

All: 0.057+/-0.000 χ^2/NDF: 125249.0/48

- sign 0.058+/-0.000 χ^2/NDF: 96793.2/24



Right In: 0.020+/-0.000 χ^2/NDF: 62465154056.0/15

Left Out: 0.024+/-0.000 χ^2/NDF:4300405945.4/7

Right Out: 0.011+/-0.000 χ^2/NDF: 253880264851.8/18

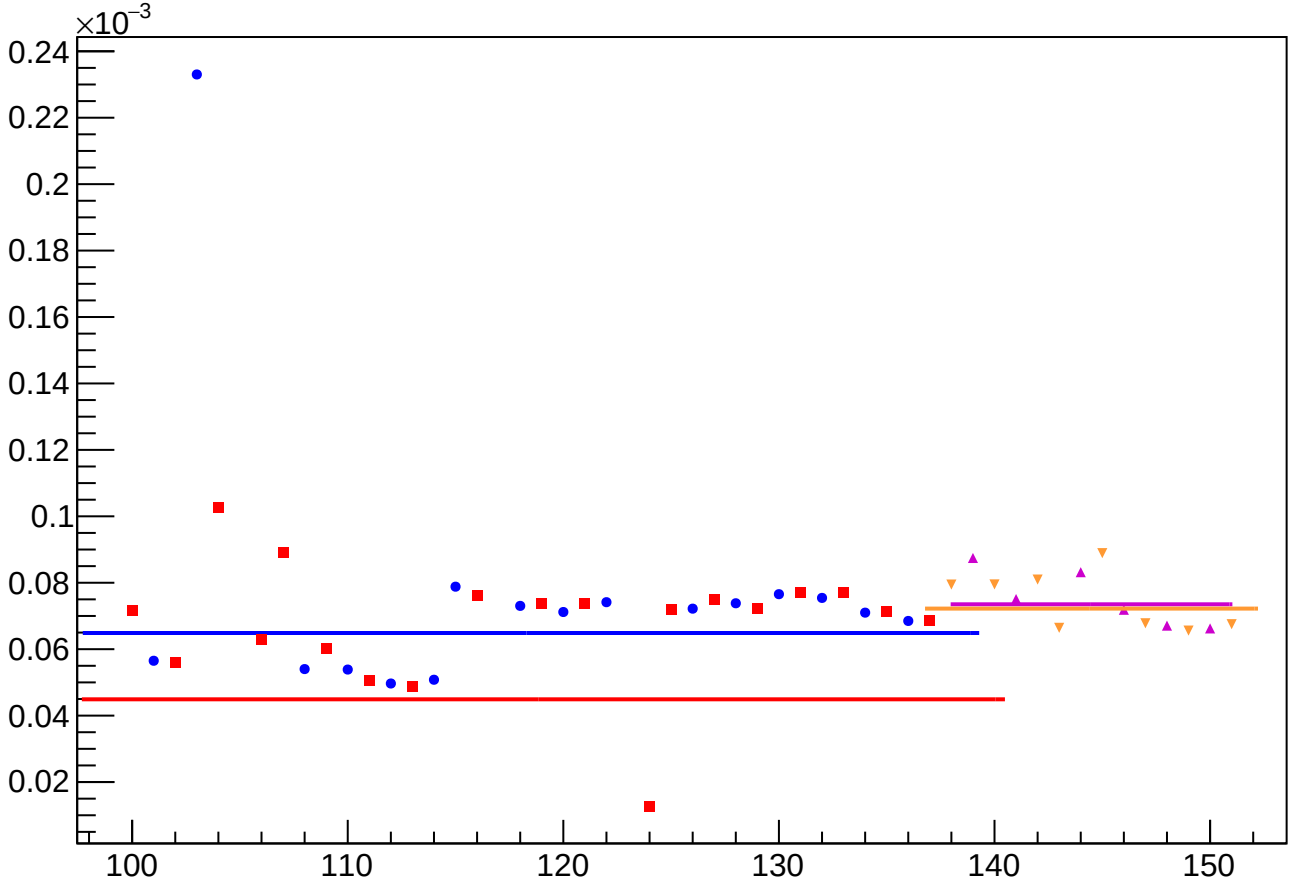
Left In: 0.025+/-0.000 χ^2/NDF:152256995.5/5

+ sign 0.022+/-0.000 χ^2/NDF: 76473961544.5/23

All: 0.018+/-0.000 χ^2/NDF: 515167952204.5

- sign 0.015+/-0.000 χ^2/NDF: 374246114565.6/24

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:134337.5/7

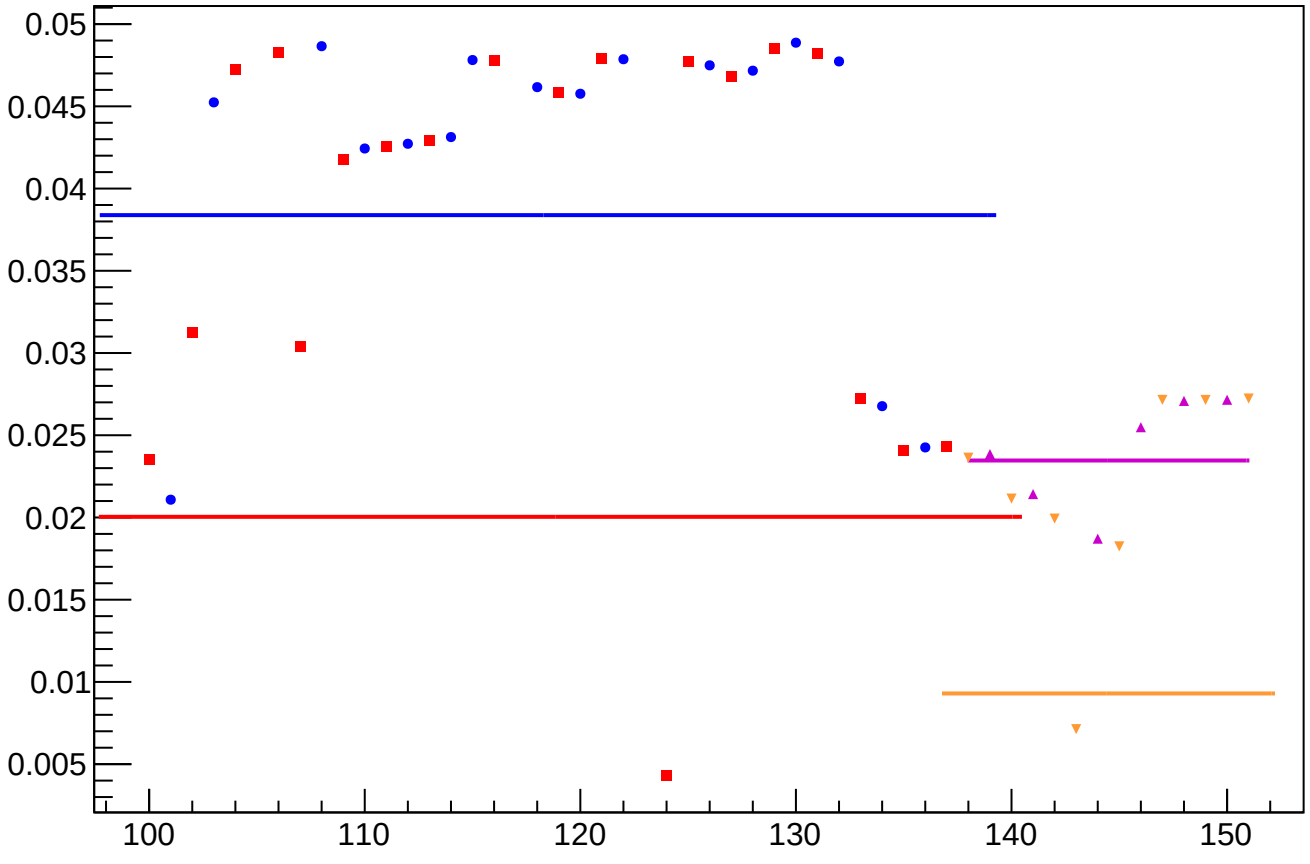
Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

Left In: 0.000+/-0.000 χ^2/NDF:102577.7/5

+ sign 0.000+/-0.000 χ^2/NDF: 1022247.9/23

All: 0.000+/-0.000 χ^2/NDF: 6723843.0/48

- sign 0.000+/-0.000 χ^2/NDF: 4989925.1/24



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:16315254940.6/7

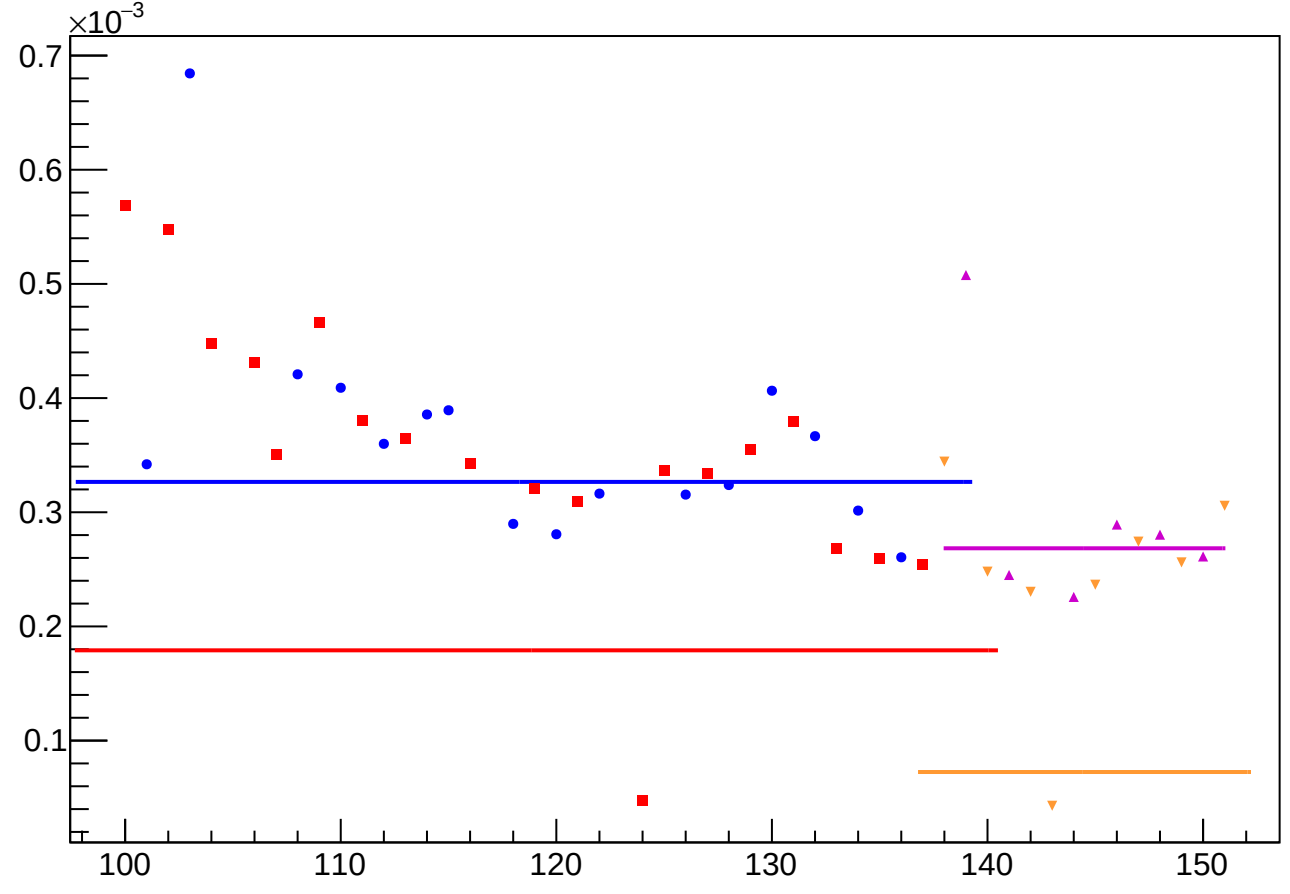
Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

Left In: 0.023+/-0.000 χ^2/NDF:746567937.5/5

+ sign 0.012+/-0.000 χ^2/NDF: 68200882875.2/23

All: 0.015+/-0.000 χ^2/NDF: 122526051932.4

- sign 0.021+/-0.000 χ^2/NDF: 43420673233.0/24



Right In: 0.000+/-0.000 χ^2/NDF: 581428.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:5868258.1/7

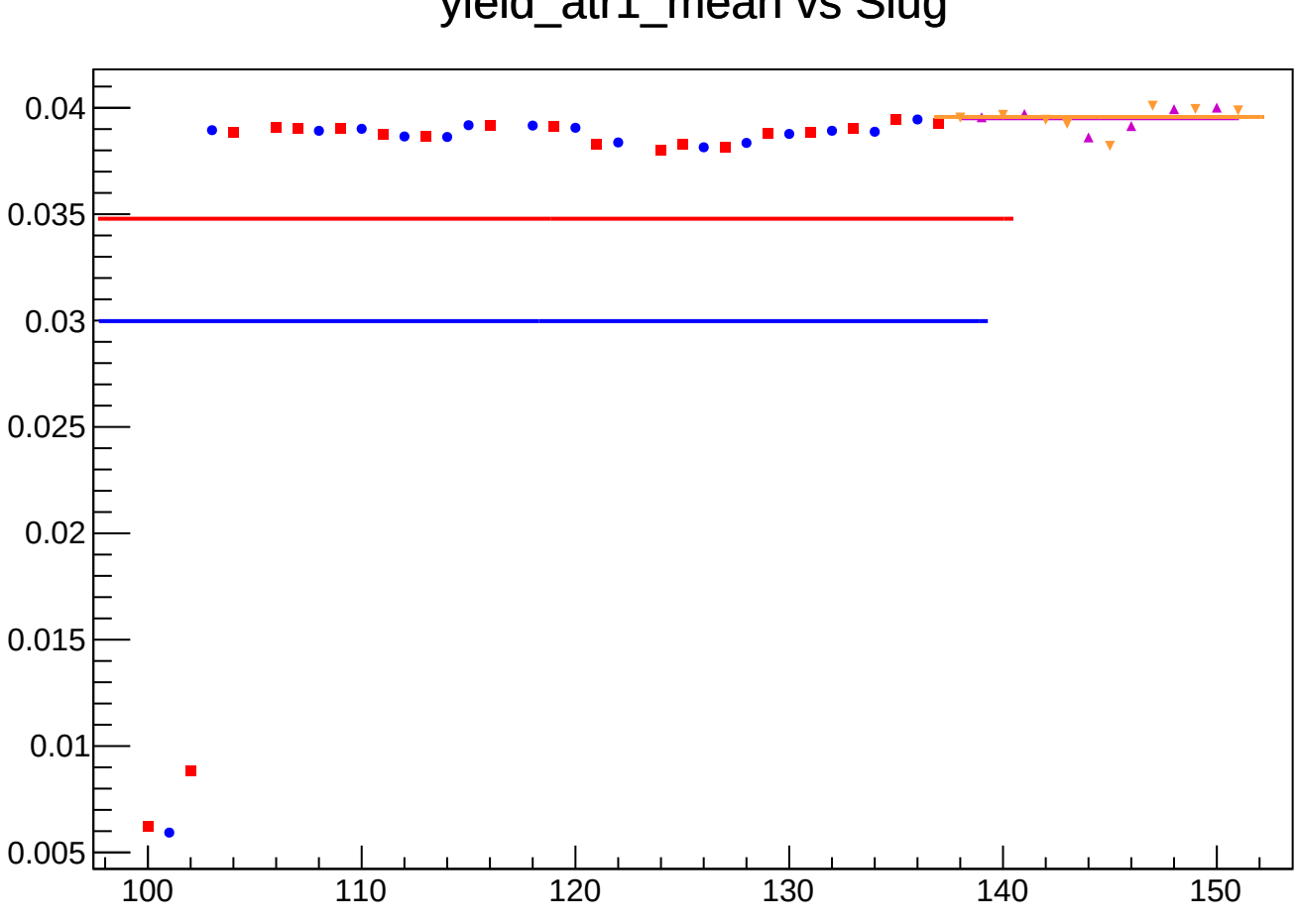
Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

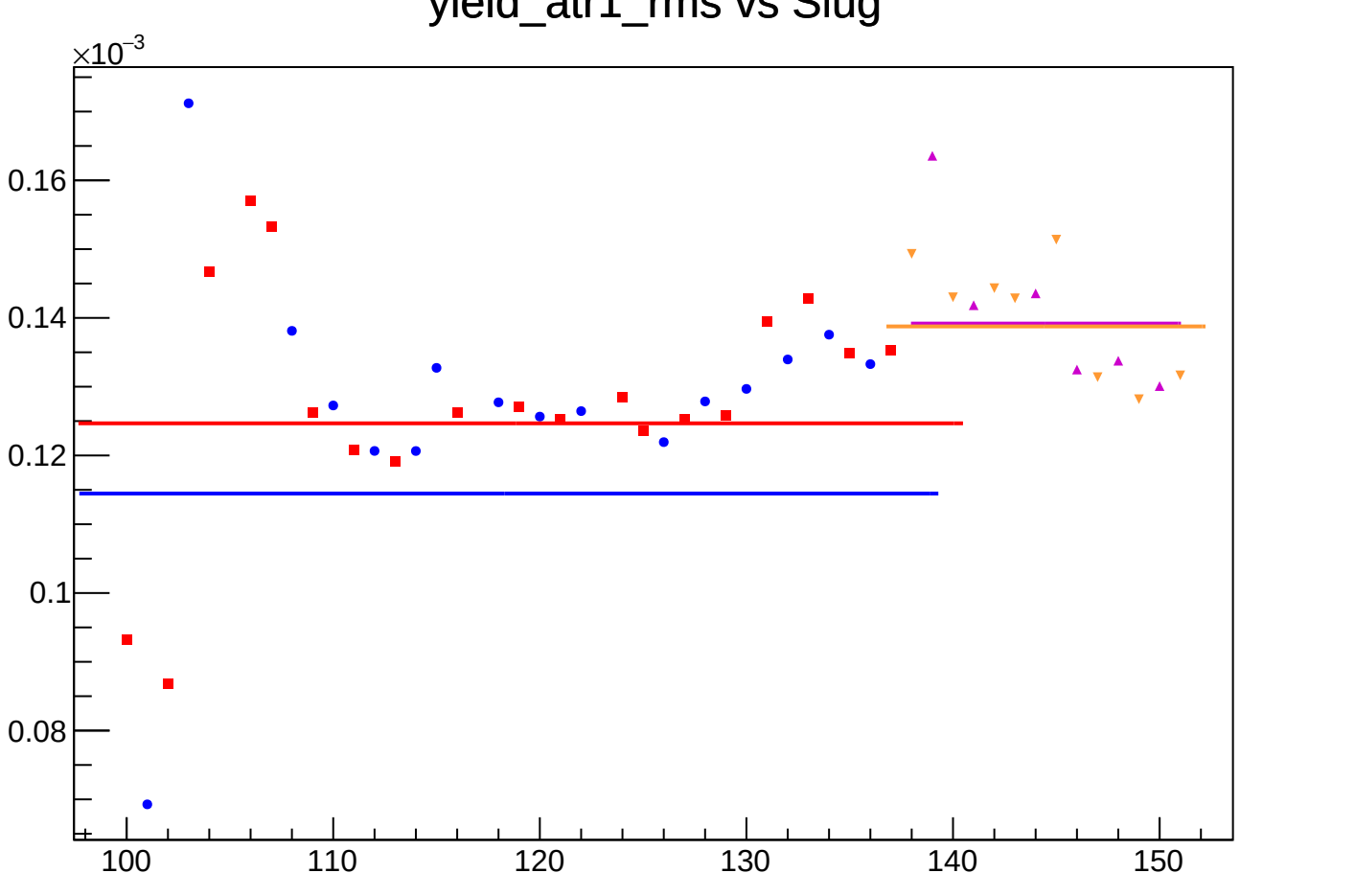
Left In: 0.000+/-0.000 χ^2/NDF:439563.7/5

+ sign 0.000+/-0.000 χ^2/NDF: 13288683.2/23

All: 0.000+/-0.000 χ^2/NDF: 23448491.2/48

- sign 0.000+/-0.000 χ^2/NDF: 6766828.4/24


yield_atr1_mean vs Slug
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
Right In: 0.030+/-0.000 χ²/NDF: 108275706275.7/15
Left Out: 0.040+/-0.000 χ²/NDF:92071895.4/7
Right Out: 0.035+/-0.000 χ²/NDF: 47263545471.6/18
Left In: 0.040+/-0.000 χ²/NDF:63675209.7/5
+ sign 0.034+/-0.000 χ²/NDF: 126044330420.2/23
All: 0.035+/-0.000 χ²/NDF: 180287261335.6
- sign 0.037+/-0.000 χ²/NDF: 51000152992.0/24



Right In: 0.000+/-0.000 χ^2/NDF: 853142.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:43447.5/7

Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

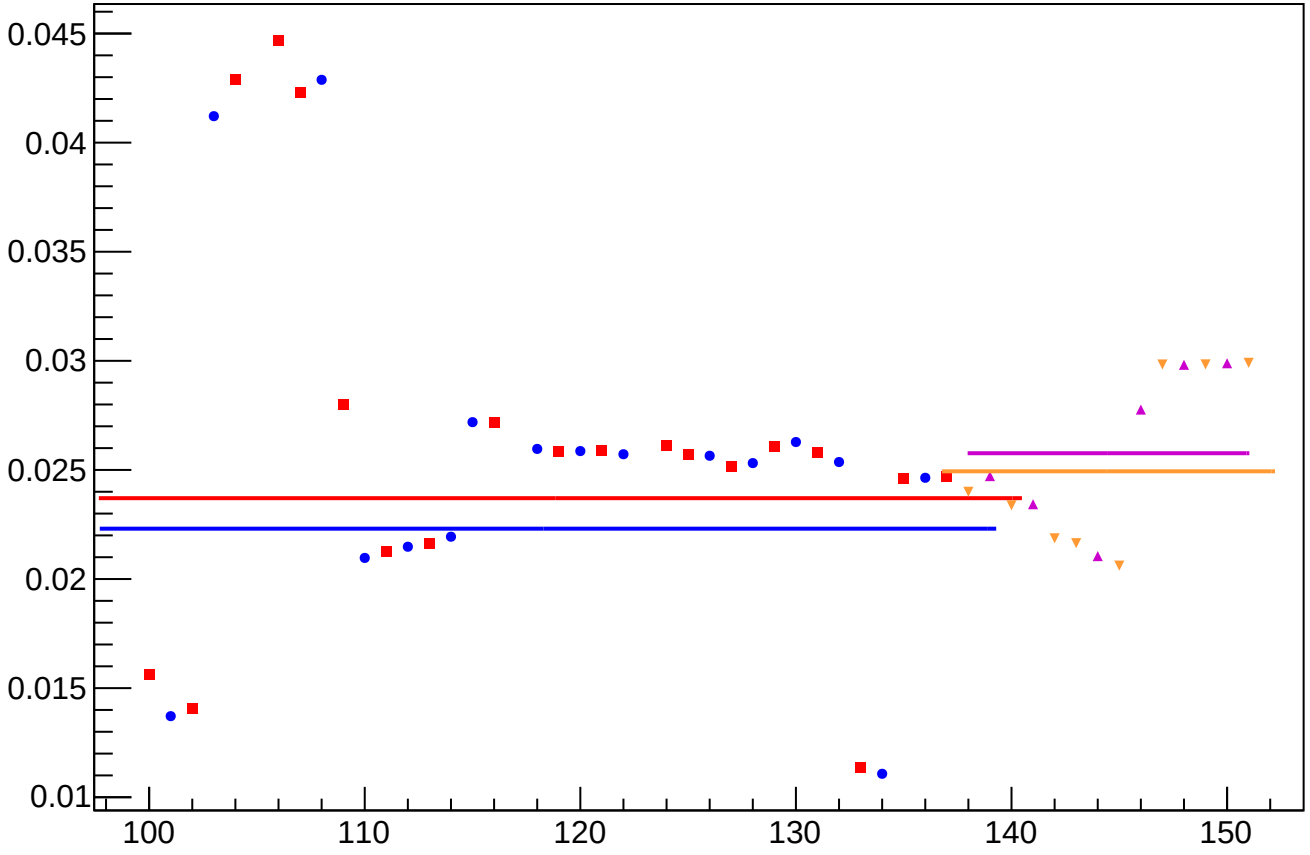
Left In: 0.000+/-0.000 χ^2/NDF:54576.9/5

+ sign 0.000+/-0.000 χ^2/NDF: 1123370.7/23

All: 0.000+/-0.000 χ^2/NDF: 1538413.5/48

- sign 0.000+/-0.000 χ^2/NDF: 384265.0/24

yield_atr2_mean vs Slug



Right In: 0.022+/-0.000 χ^2/NDF: 5012486114.6/15

Left Out: 0.025+/-0.000 χ^2/NDF:1280581923.5/7

Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

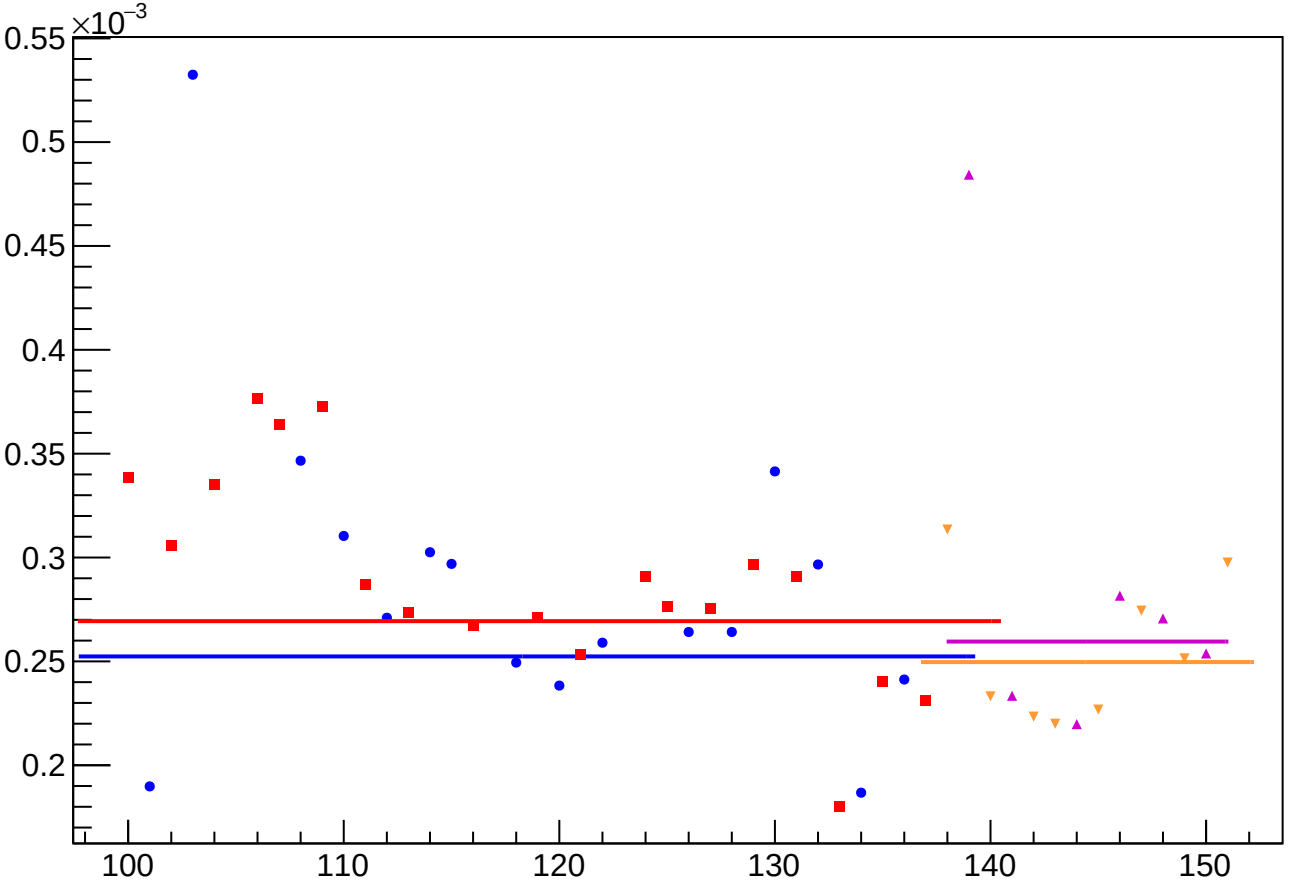
Left In: 0.026+/-0.000 χ^2/NDF:895009043.8/5

+ sign 0.024+/-0.000 χ^2/NDF: 6610540853.8/23

All: 0.024+/-0.000 χ^2/NDF: 13348110135.5/4

- sign 0.025+/-0.000 χ^2/NDF: 6641433504.2/24

yield_atr2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 707863.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:166687.8/7

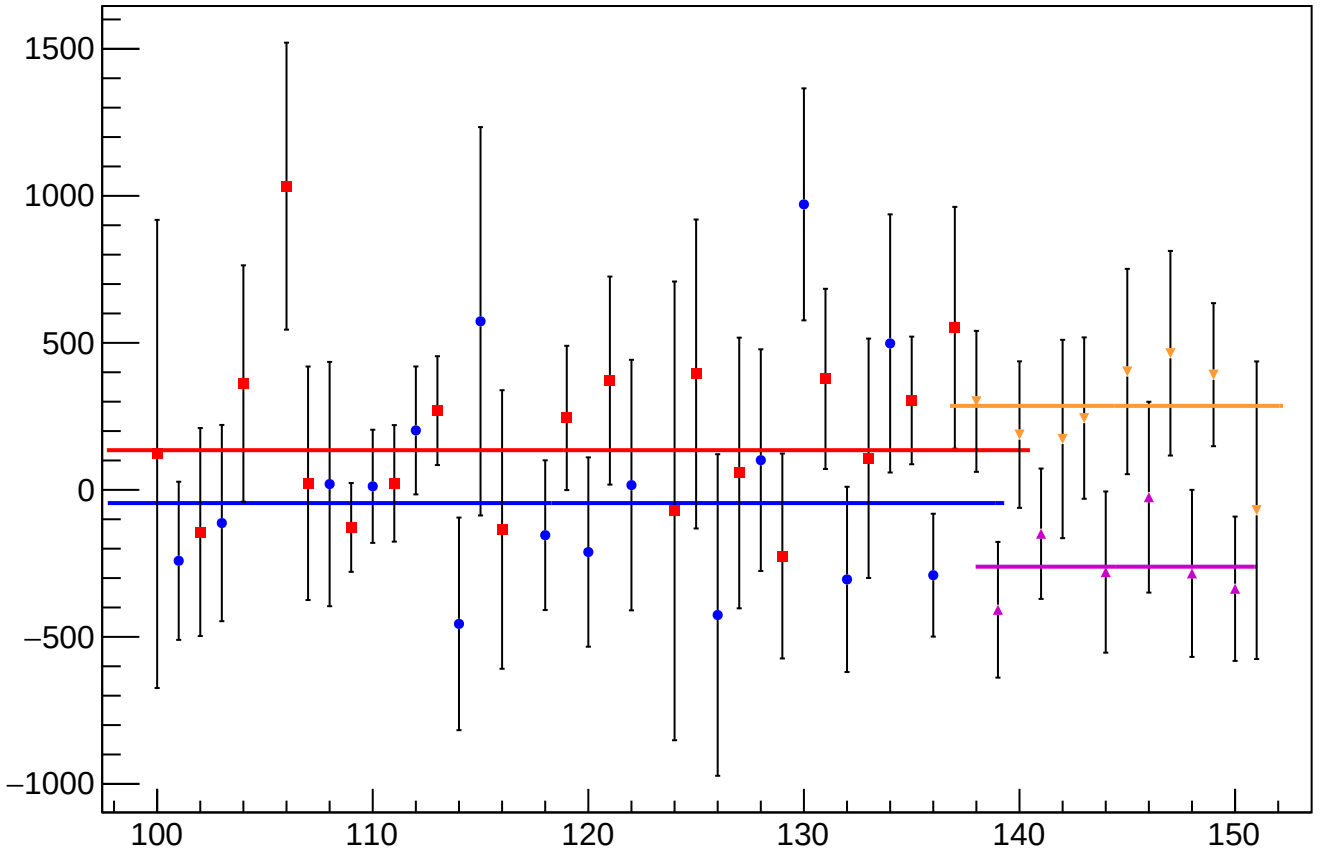
Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:436108.2/5

+ sign 0.000+/-0.000 χ^2/NDF: 875229.8/23

All: 0.000+/-0.000 χ^2/NDF: 1798453.3/48

- sign 0.000+/-0.000 χ^2/NDF: 889966.5/24



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 285.642+/-103.791 χ^2/NDF:1.4/7

Right Out: 134.996+/-68.062 χ^2/NDF: 12.9/18

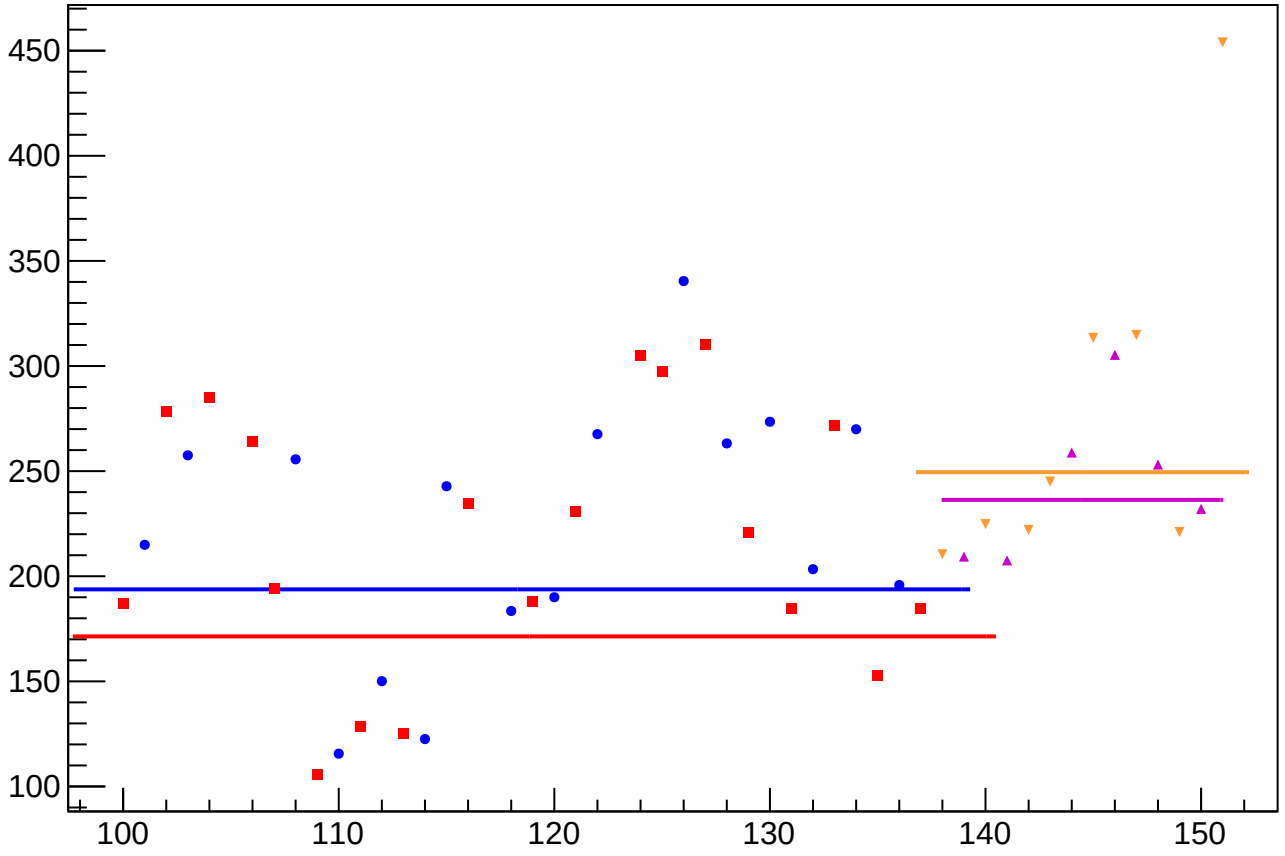
Left In: -261.242+/-104.884 χ^2/NDF:1.3/5

+ sign 70.851+/-61.422 χ^2/NDF: 23.4/23

All: 42.274+/-41.818 χ^2/NDF: 48.1/48

- sign 17.582+/-57.094 χ^2/NDF: 24.3/24

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 249.514+/-0.073 χ^2/NDF:577628.3/7

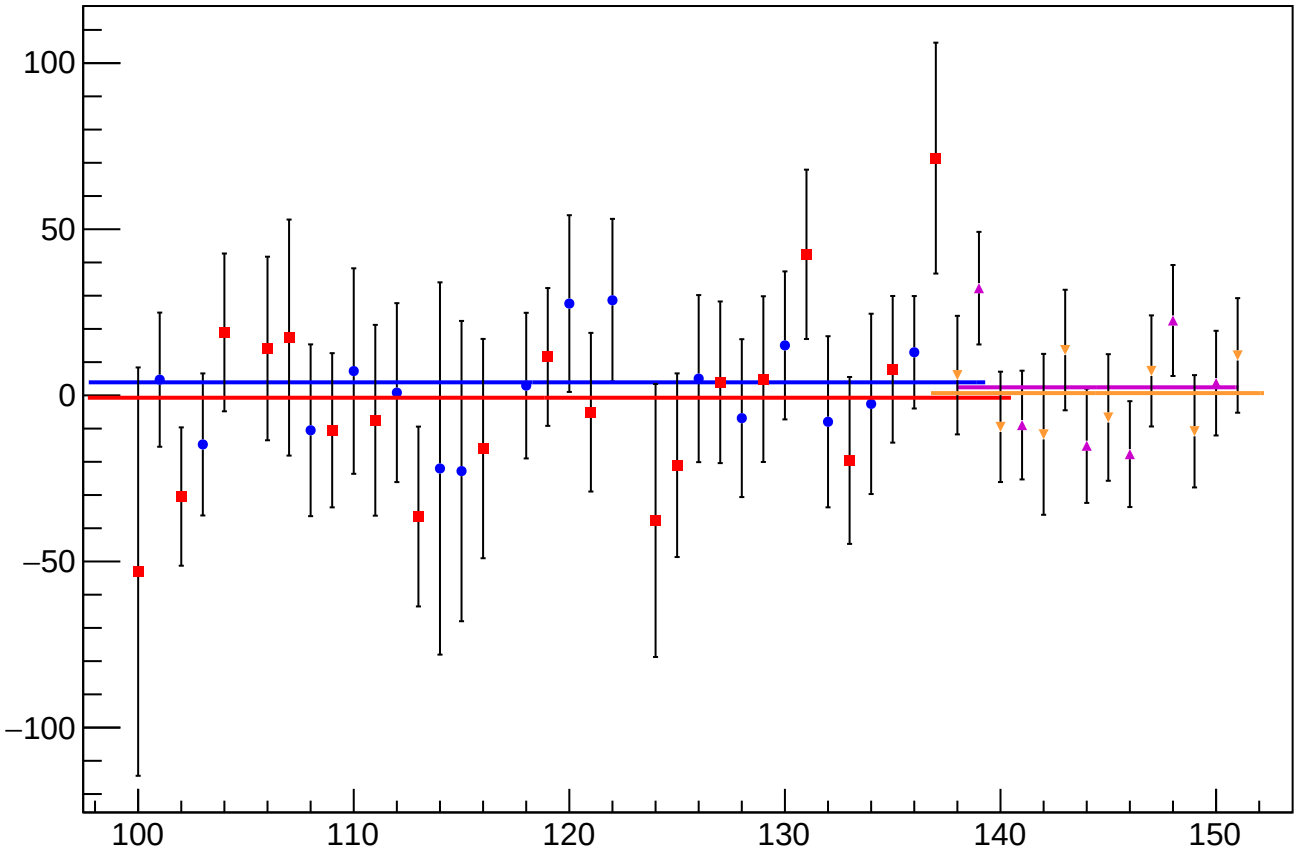
Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 236.333+/-0.074 χ^2/NDF:172534.4/5

+ sign 213.291+/-0.043 χ^2/NDF: 2000618.8/23

All: 201.133+/-0.030 χ^2/NDF: 4517013.0/48

- sign 190.629+/-0.040 χ^2/NDF: 2370331.6/24



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

Left Out: 0.680+/-6.362 χ^2/NDF:2.4/7

Right Out: -0.714+/-6.077 χ^2/NDF: 15.9/18

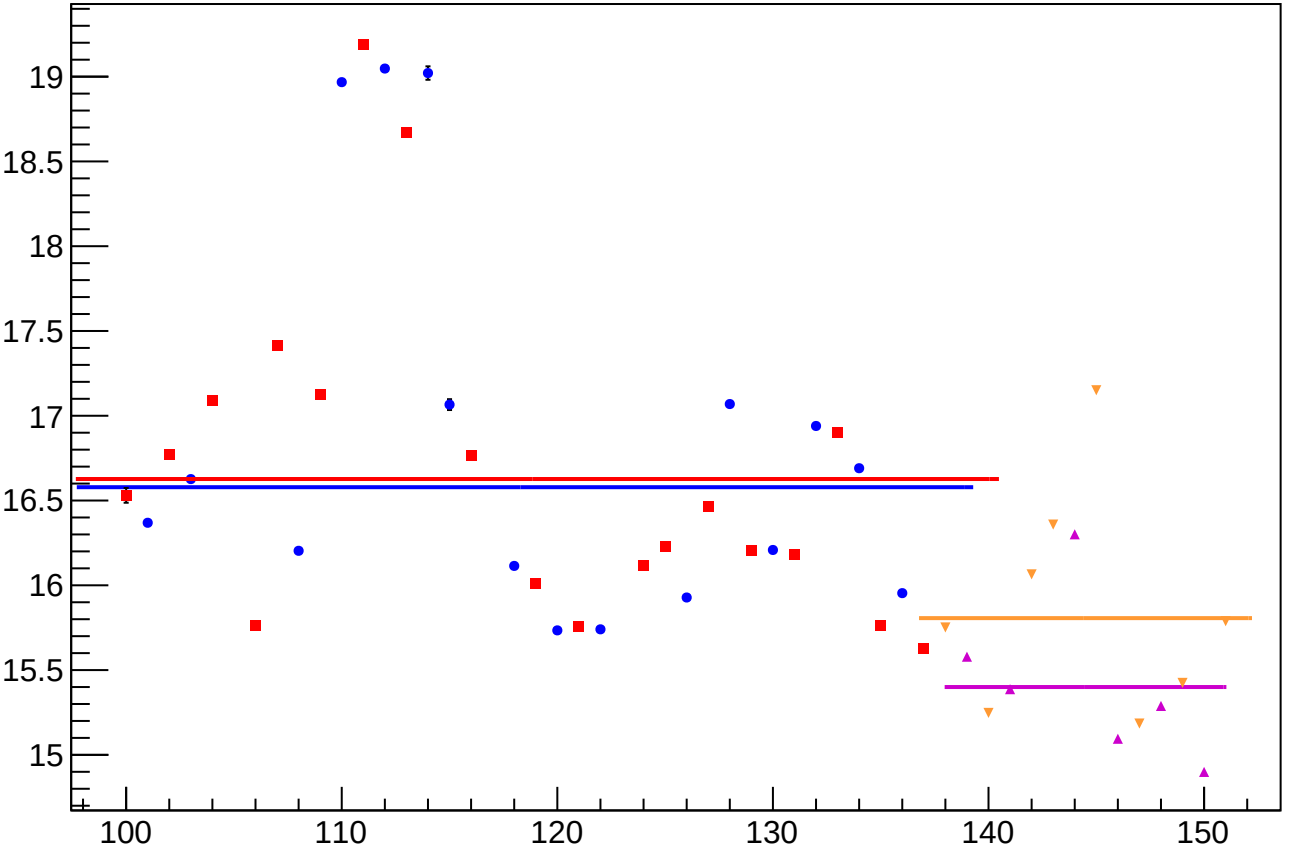
Left In: 2.425+/-6.719 χ^2/NDF:7.7/5

\+ sign 2.351+/-4.430 χ^2/NDF: 7.1/23

All: 1.539+/-3.159 χ^2/NDF: 30.8/48

\- sign 0.698+/-4.507 χ^2/NDF: 23.7/24

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: 15.806+/-0.004 χ^2/NDF:18105.0/7

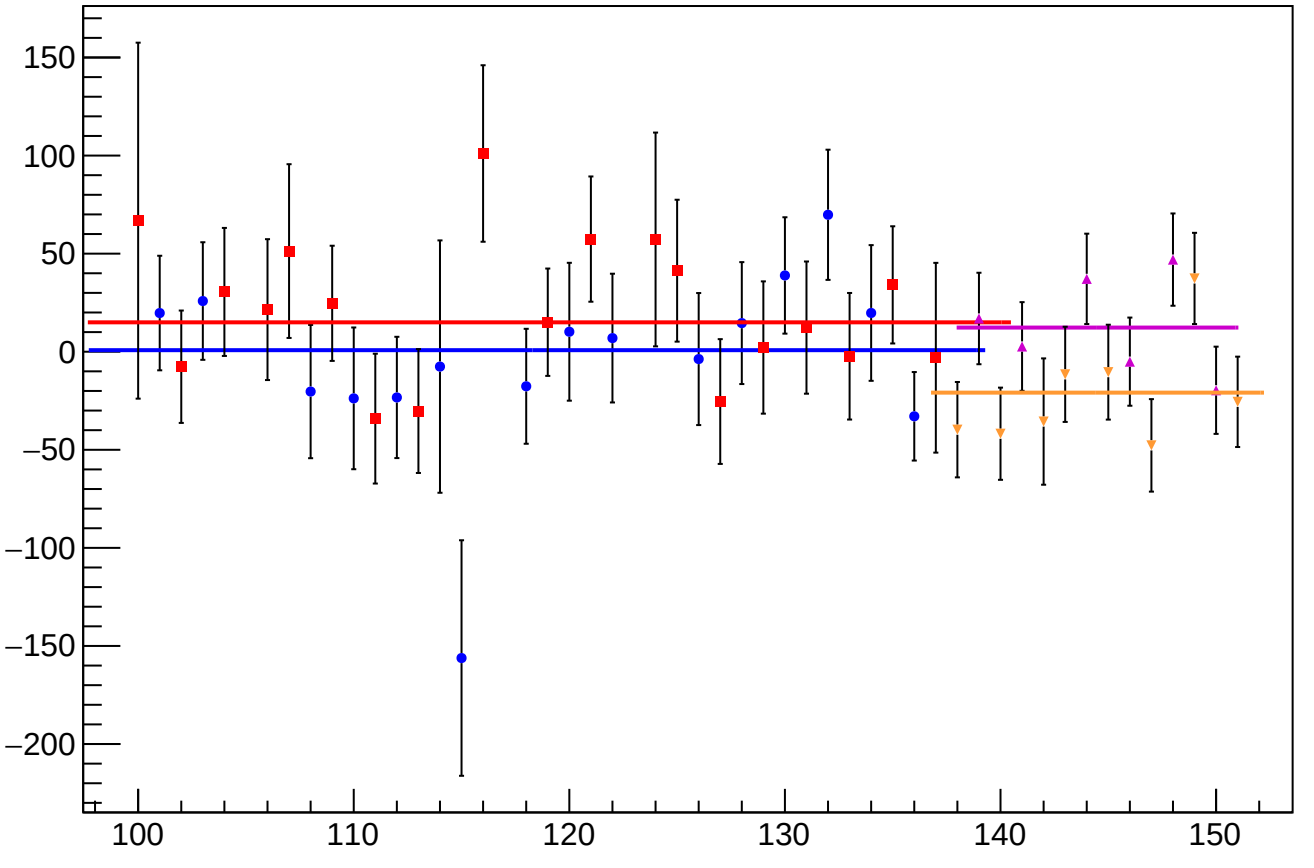
Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.400+/-0.005 χ^2/NDF:8548.4/5

+ sign 16.204+/-0.003 χ^2/NDF: 77858.7/23

All: 16.141+/-0.002 χ^2/NDF: 167385.9/48

- sign 16.075+/-0.003 χ^2/NDF: 88689.2/24



Right In: 0.790+/-8.125 χ^2/NDF: 18.7/15

Left Out: -20.856+/-8.636 χ^2/NDF:9.5/7

Right Out: 14.981+/-7.953 χ^2/NDF: 15.4/18

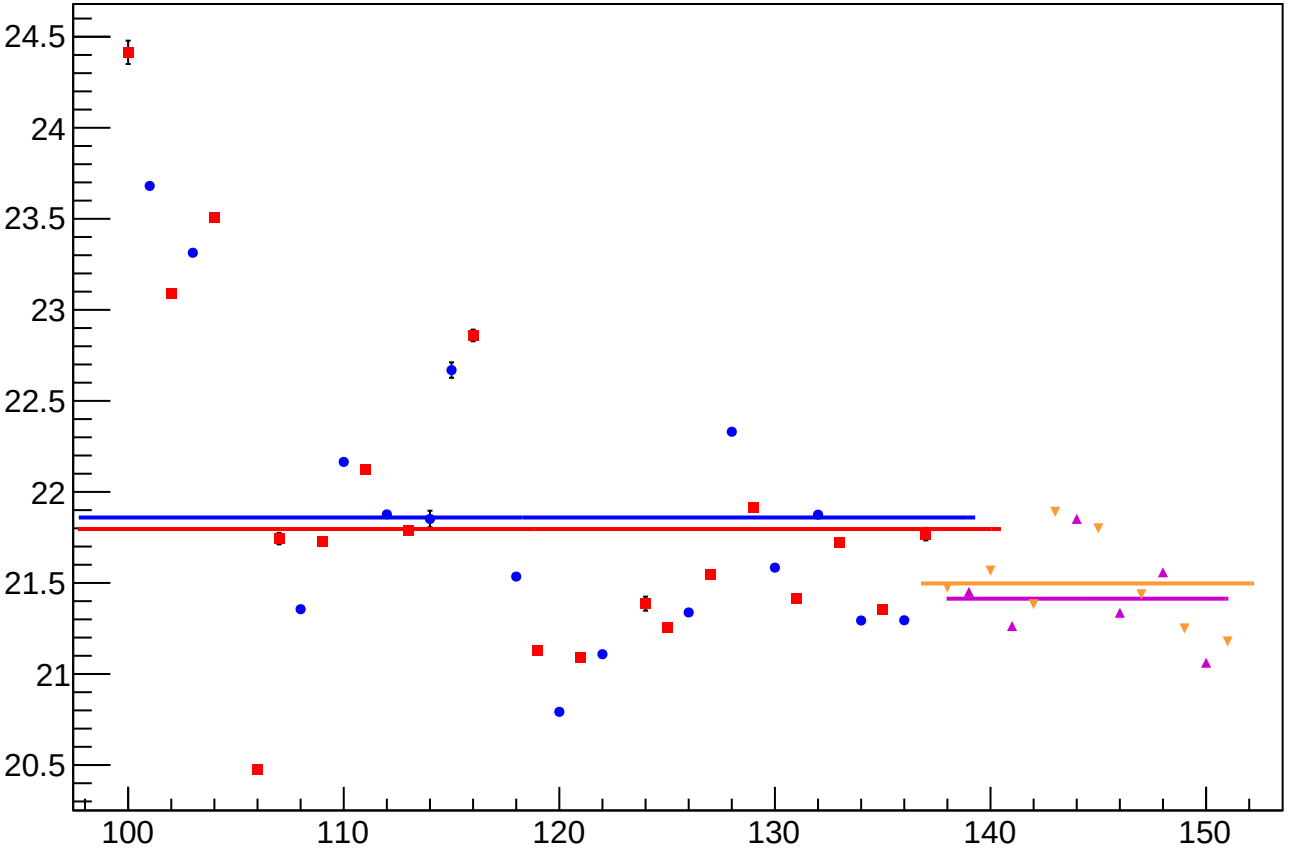
Left In: 12.311+/-9.329 χ^2/NDF:6.2/5

\+ sign -9.373+/-5.918 χ^2/NDF: 31.5/23

All: 1.981+/-4.231 χ^2/NDF: 60.7/48

\- sign 13.857+/-6.052 χ^2/NDF: 21.7/24

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: 21.497+/-0.006 χ^2/NDF:1504.9/7

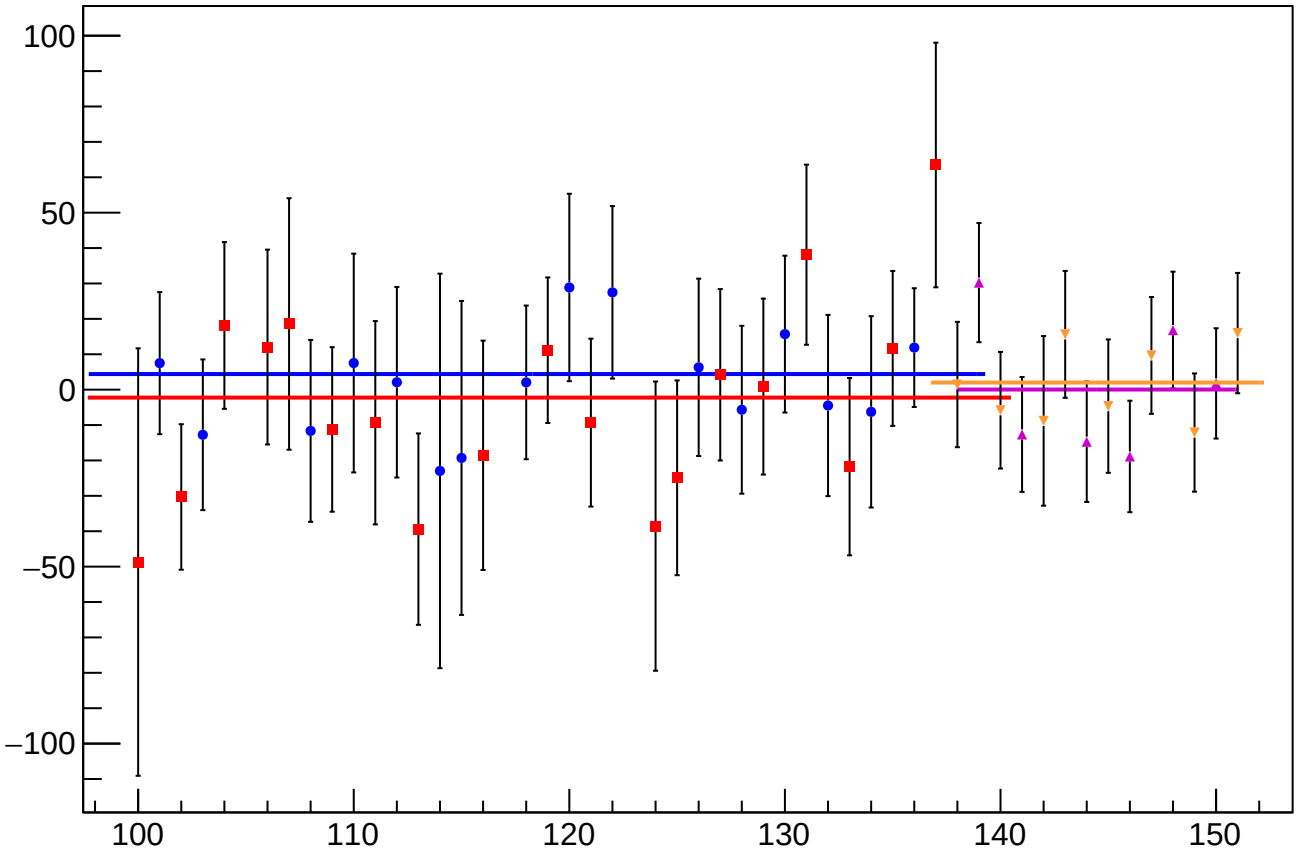
Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.414+/-0.007 χ^2/NDF:1417.2/5

+ sign 21.689+/-0.004 χ^2/NDF: 22839.2/23

All: 21.663+/-0.003 χ^2/NDF: 45147.8/48

- sign 21.635+/-0.004 χ^2/NDF: 22226.3/24



Right In: 4.404+/-6.137 χ^2/NDF: 4.3/15

Left Out: 2.007+/-6.292 χ^2/NDF:2.7/7

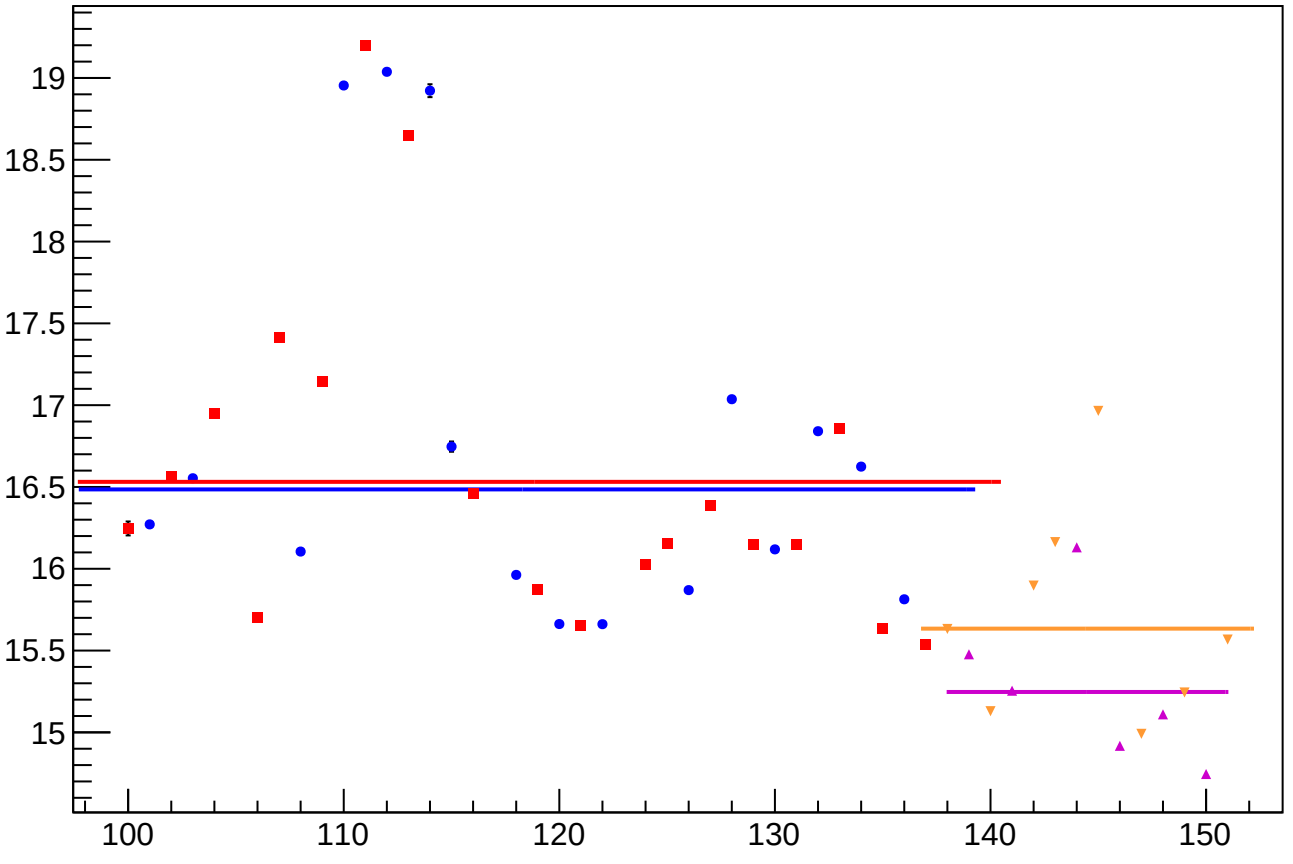
Right Out: -2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: 0.032+/-6.652 χ^2/NDF:7.1/5

+ sign 3.236+/-4.393 χ^2/NDF: 7.1/23

All: 1.050+/-3.134 χ^2/NDF: 30.1/48

- sign -1.215+/-4.473 χ^2/NDF: 22.5/24



Right In: 16.485+/-0.004 χ^2/NDF: 47186.1/15

Left Out: 15.634+/-0.004 χ^2/NDF:17993.1/7

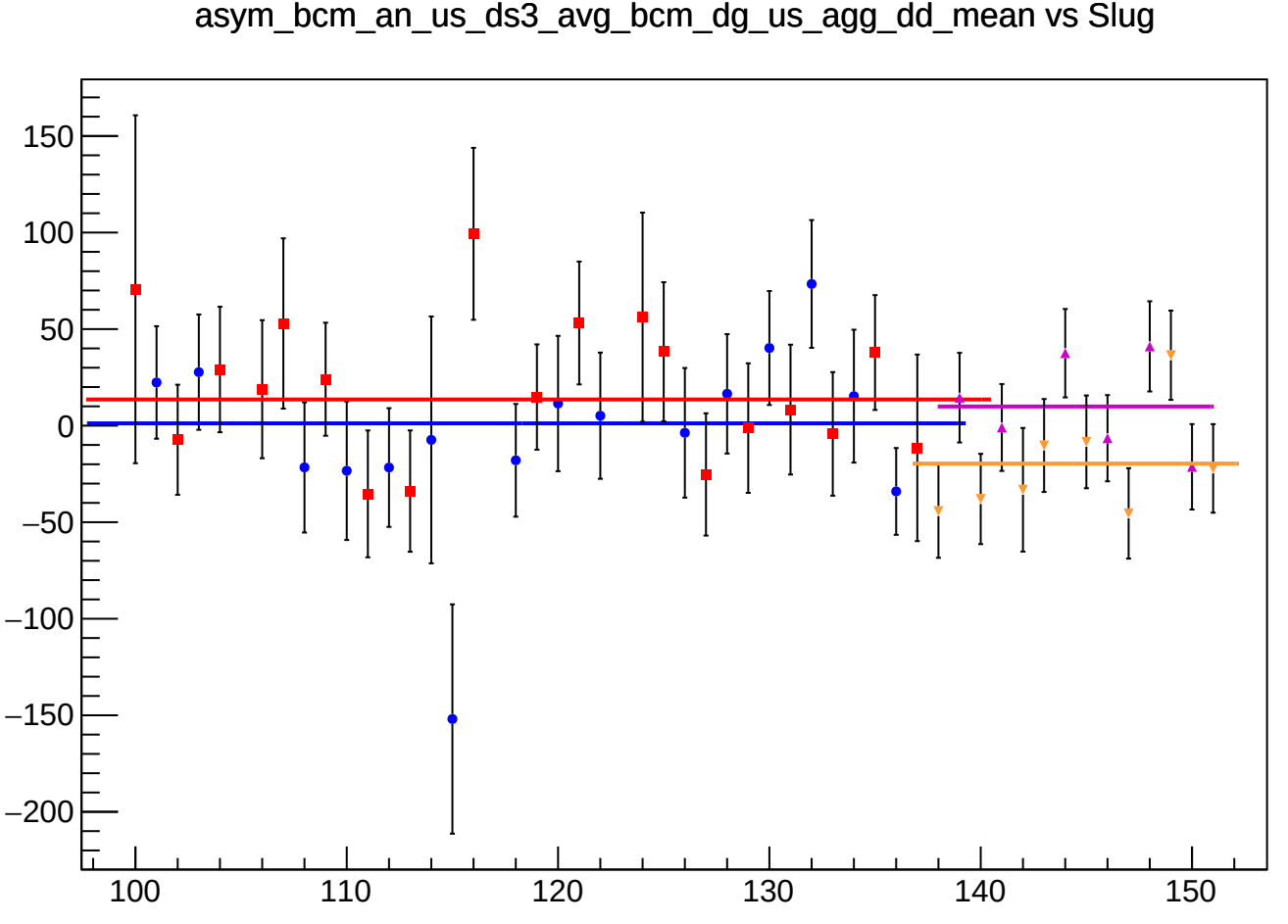
Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.247+/-0.005 χ^2/NDF:8849.6/5

+ sign 16.070+/-0.003 χ^2/NDF: 83927.9/23

All: 16.012+/-0.002 χ^2/NDF: 180827.0/48

- sign 15.951+/-0.003 χ^2/NDF: 96172.2/24



Right In: 1.185+/-8.088 χ^2/NDF: 19.4/15

Left Out: -19.653+/-8.584 χ^2/NDF:9.3/7

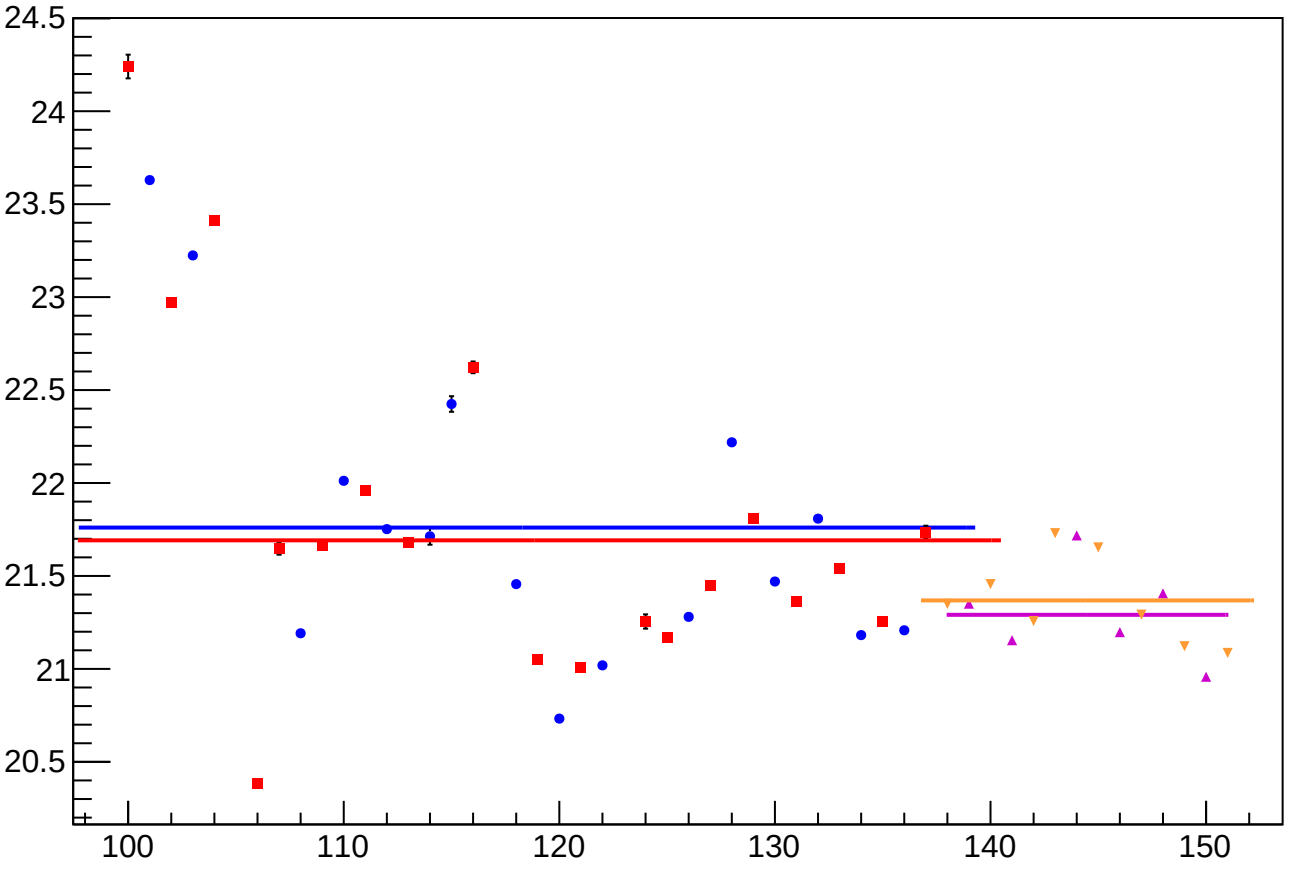
Right Out: 13.549+/-7.915 χ^2/NDF: 15.9/18

Left In: 9.918+/-9.275 χ^2/NDF:6.0/5

\+ sign -8.614+/-5.887 χ^2/NDF: 31.8/23

All: 1.470+/-4.209 χ^2/NDF: 59.9/48

\- sign 12.019+/-6.021 χ^2/NDF: 22.1/24



Right In: 21.760+/-0.006 χ^2/NDF: 19745.7/15

Left Out: 21.368+/-0.006 χ^2/NDF:1338.3/7

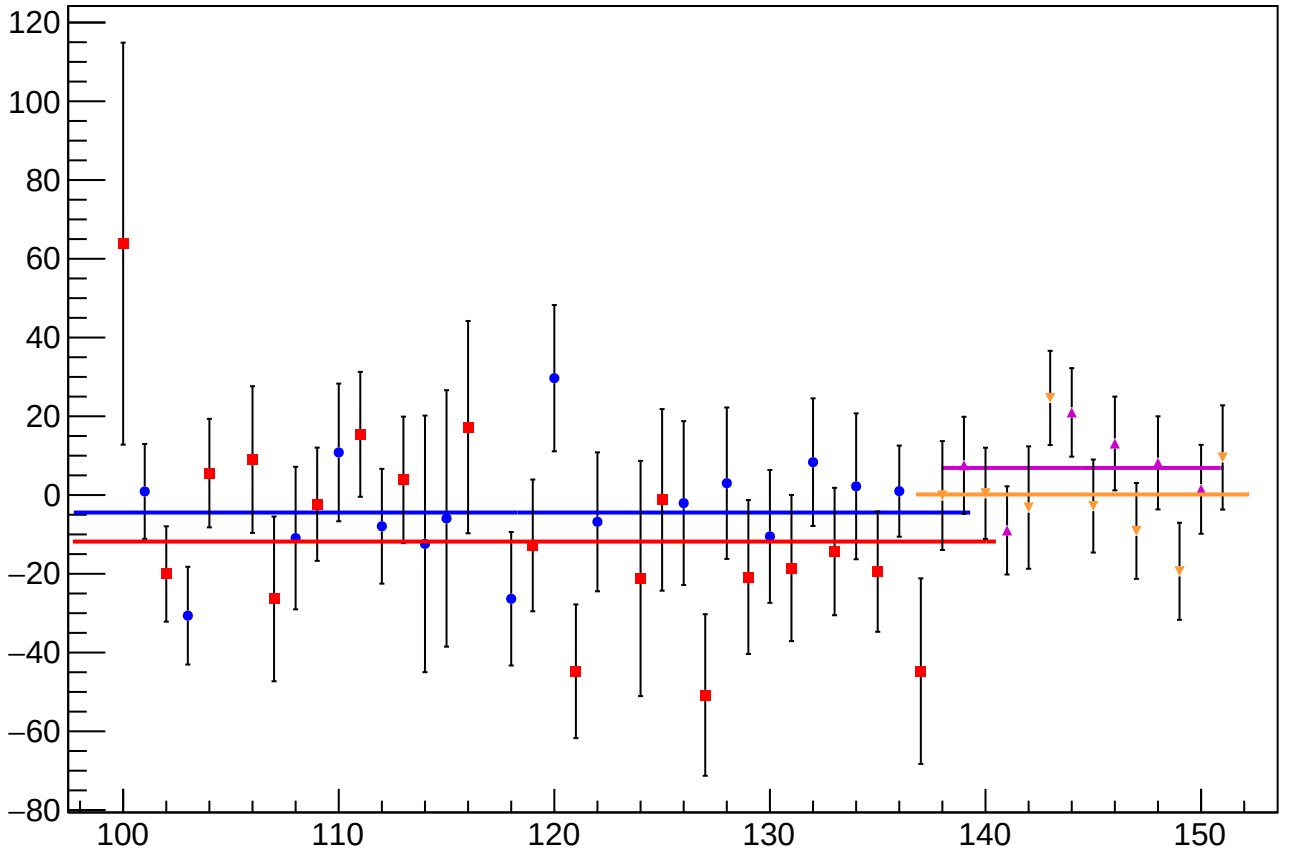
Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

Left In: 21.291+/-0.007 χ^2/NDF:1319.7/5

+ sign 21.576+/-0.004 χ^2/NDF: 23291.6/23

All: 21.550+/-0.003 χ^2/NDF: 45180.9/48

- sign 21.523+/-0.004 χ^2/NDF: 21809.4/24



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 0.147+/-4.471 χ^2/NDF:7.9/7

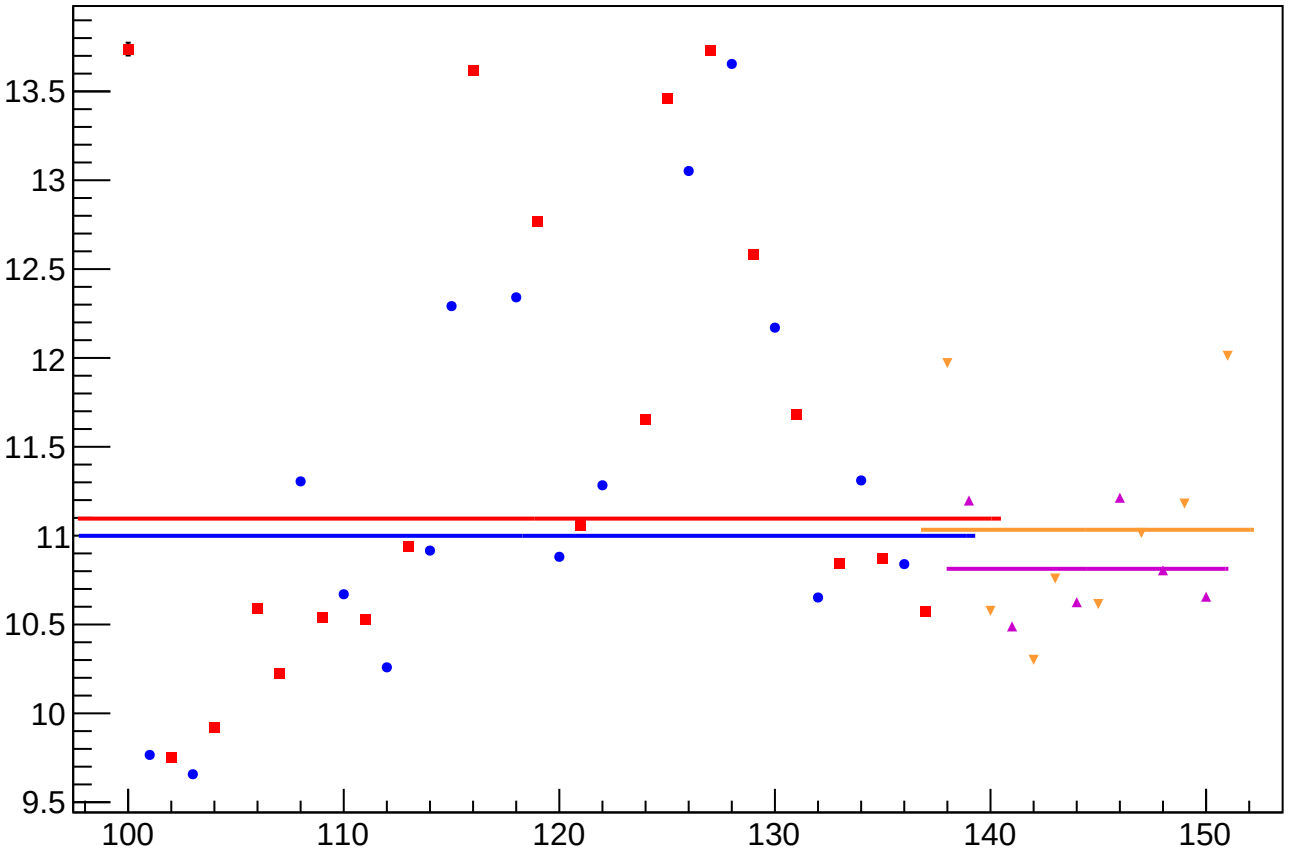
Right Out: -11.807+/-4.097 χ^2/NDF: 21.7/18

Left In: 6.885+/-4.739 χ^2/NDF:4.1/5

\+ sign -2.328+/-3.034 χ^2/NDF: 20.4/23

All: -3.054+/-2.168 χ^2/NDF: 55.3/48

\- sign -3.811+/-3.100 χ^2/NDF: 34.7/24



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.033+/-0.003 χ^2/NDF:31534.5/7

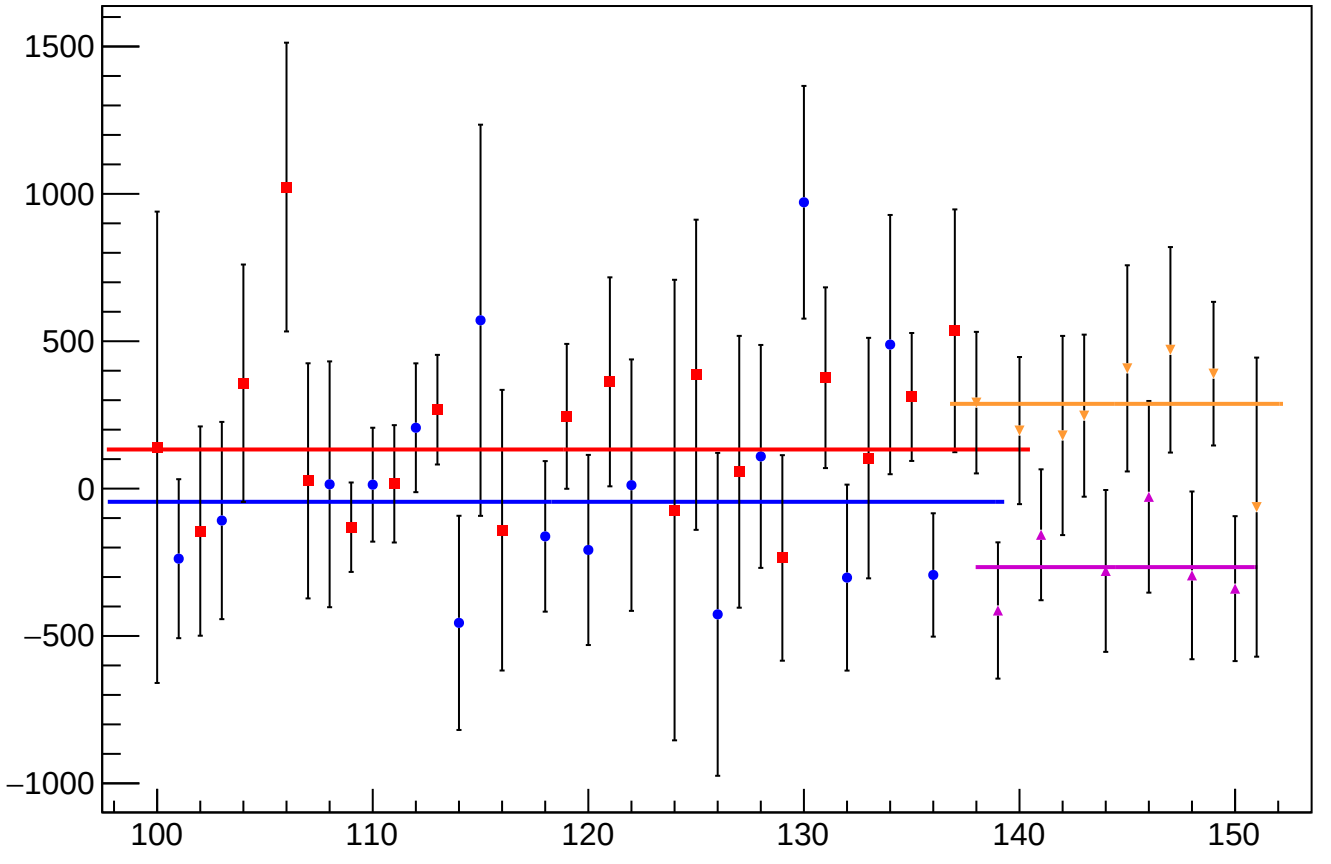
Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 10.813+/-0.003 χ^2/NDF:6825.3/5

+ sign 11.015+/-0.002 χ^2/NDF: 167756.1/23

All: 10.995+/-0.002 χ^2/NDF: 341726.1/48

- sign 10.975+/-0.002 χ^2/NDF: 173803.0/24



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 287.573+/-103.971 χ^2/NDF:1.3/7

Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

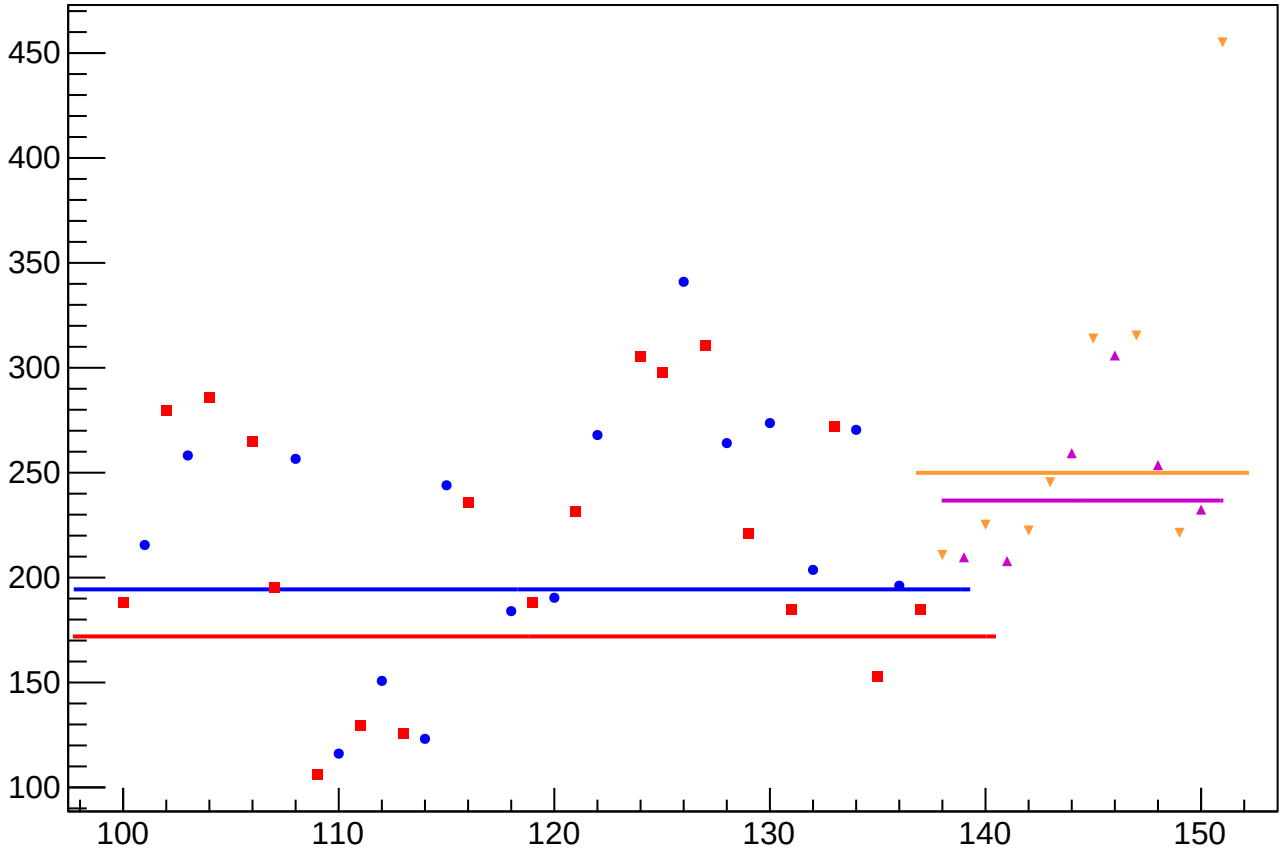
Left In: -266.343+/-105.062 χ^2/NDF:1.3/5

\+ sign 71.789+/-61.578 χ^2/NDF: 23.4/23

All: 40.924+/-41.927 χ^2/NDF: 48.1/48

\- sign 14.250+/-57.245 χ^2/NDF: 24.3/24

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: 249.937+/-0.074 χ^2/NDF:578479.8/7

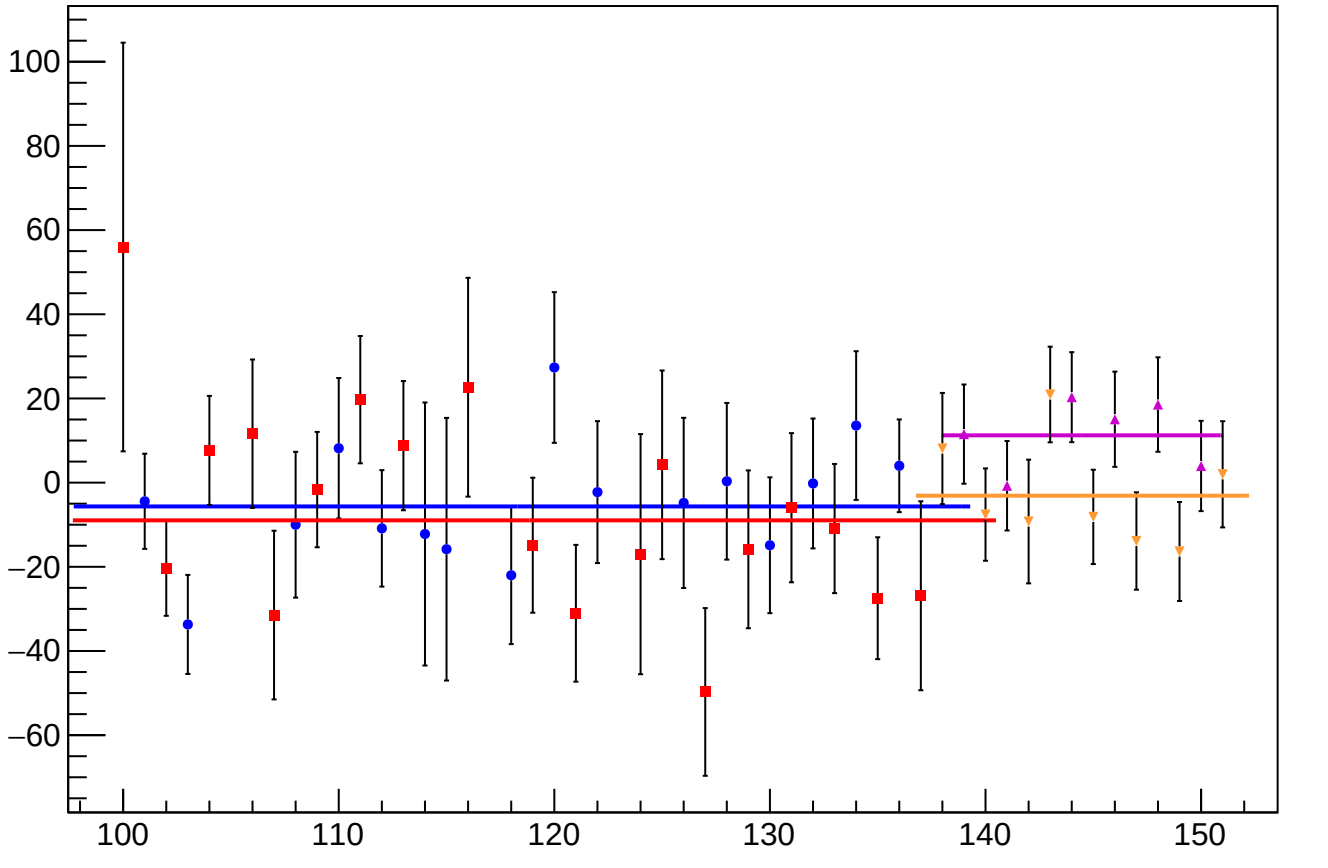
Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 236.730+/-0.074 χ^2/NDF:172729.7/5

+ sign 213.871+/-0.044 χ^2/NDF: 1991186.2/23

All: 201.700+/-0.030 χ^2/NDF: 4495560.7/48

- sign 191.182+/-0.040 χ^2/NDF: 2358716.2/24



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: -3.100+/-4.250 χ^2/NDF:8.0/7

Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

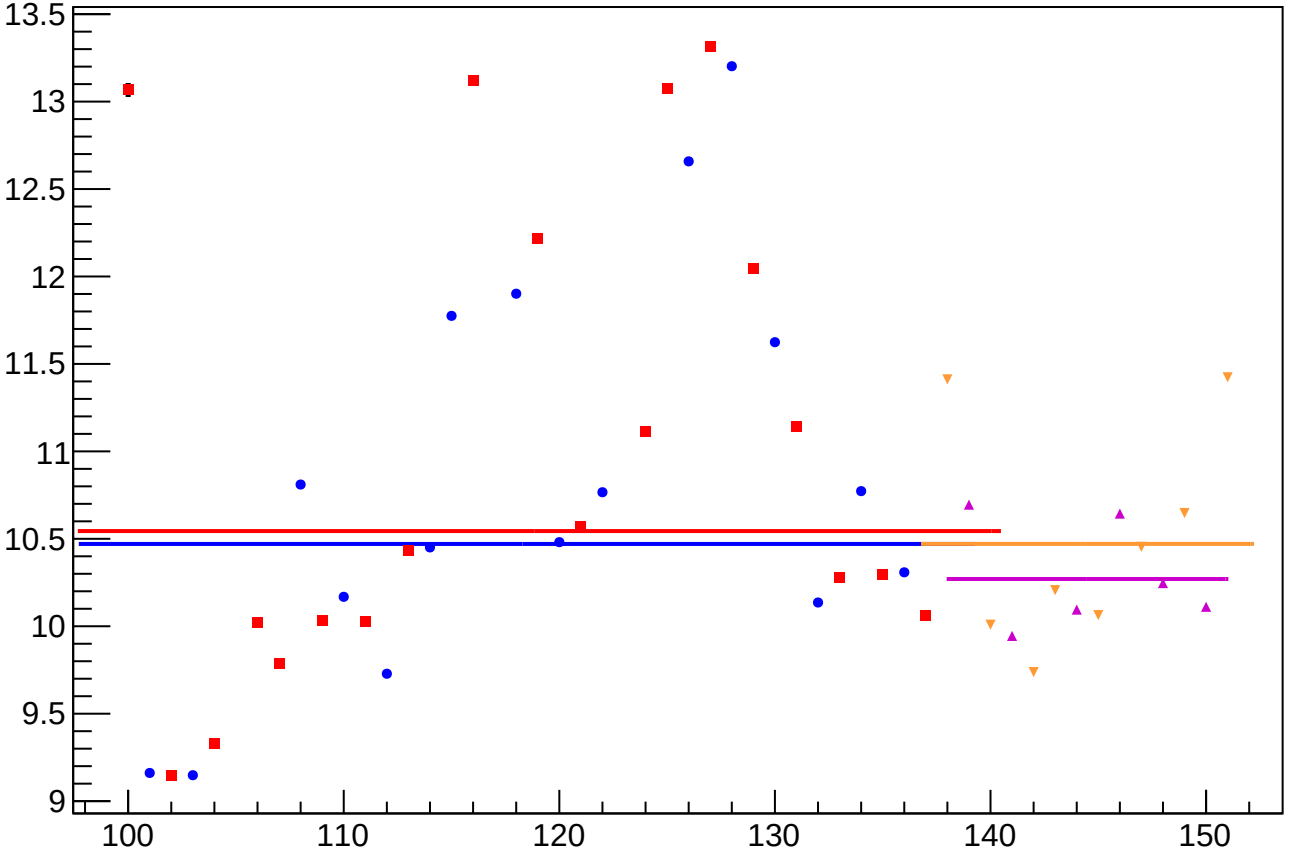
Left In: 11.236+/-4.506 χ^2/NDF:3.0/5

+ sign -4.476+/-2.889 χ^2/NDF: 21.9/23

All: -2.435+/-2.064 χ^2/NDF: 60.2/48

- sign -0.308+/-2.949 χ^2/NDF: 37.3/24

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.471+/-0.003 χ^2/NDF:34245.4/7

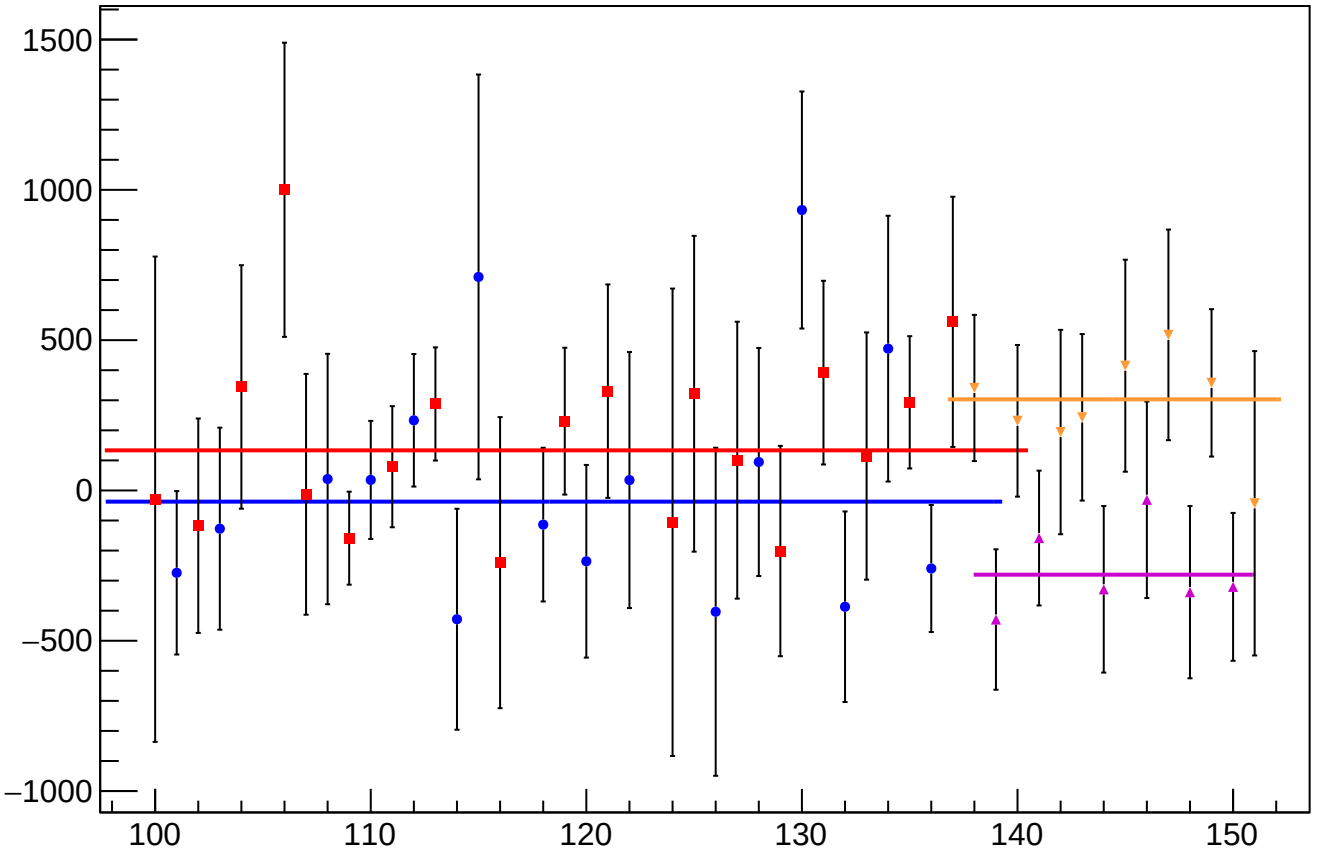
Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.270+/-0.003 χ^2/NDF:7646.6/5

+ sign 10.471+/-0.002 χ^2/NDF: 191611.2/23

All: 10.449+/-0.001 χ^2/NDF: 390494.1/48

- sign 10.427+/-0.002 χ^2/NDF: 198657.5/24



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 303.157+/-104.809 χ^2/NDF:1.2/7

Right Out: 133.386+/-68.885 χ^2/NDF: 12.9/18

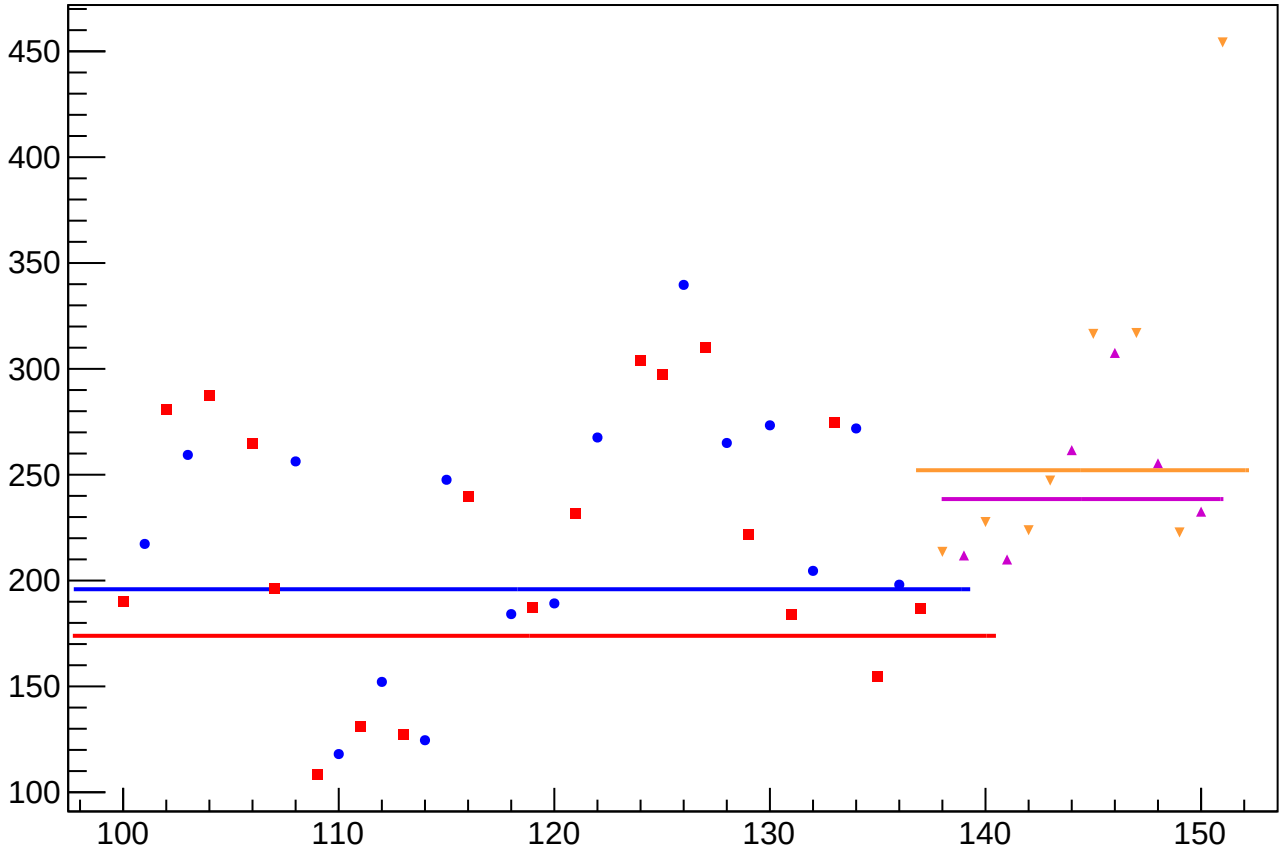
Left In: -280.140+/-105.809 χ^2/NDF:1.4/5

+ sign 81.911+/-62.009 χ^2/NDF: 23.7/23

All: 43.543+/-42.253 χ^2/NDF: 49.5/48

- sign 10.289+/-57.729 χ^2/NDF: 25.0/24

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: 252.115+/-0.074 χ^2/NDF:566204.4/7

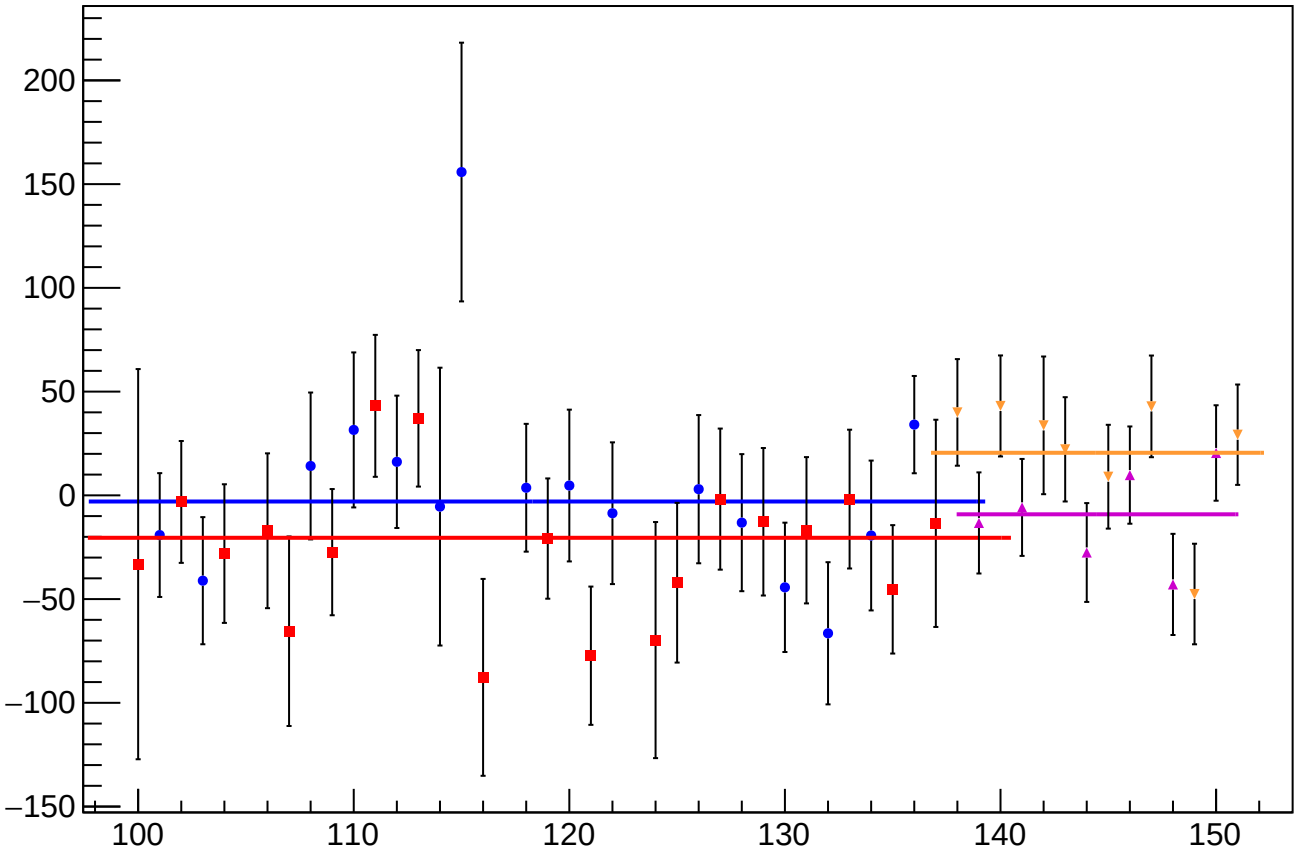
Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 238.492+/-0.075 χ^2/NDF:169648.3/5

+ sign 215.577+/-0.044 χ^2/NDF: 1951185.0/23

All: 203.552+/-0.030 χ^2/NDF: 4384289.0/48

- sign 193.129+/-0.041 χ^2/NDF: 2292686.5/24



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 20.516+/-8.992 χ^2/NDF:10.7/7

Right Out: -20.457+/-8.292 χ^2/NDF: 15.3/18

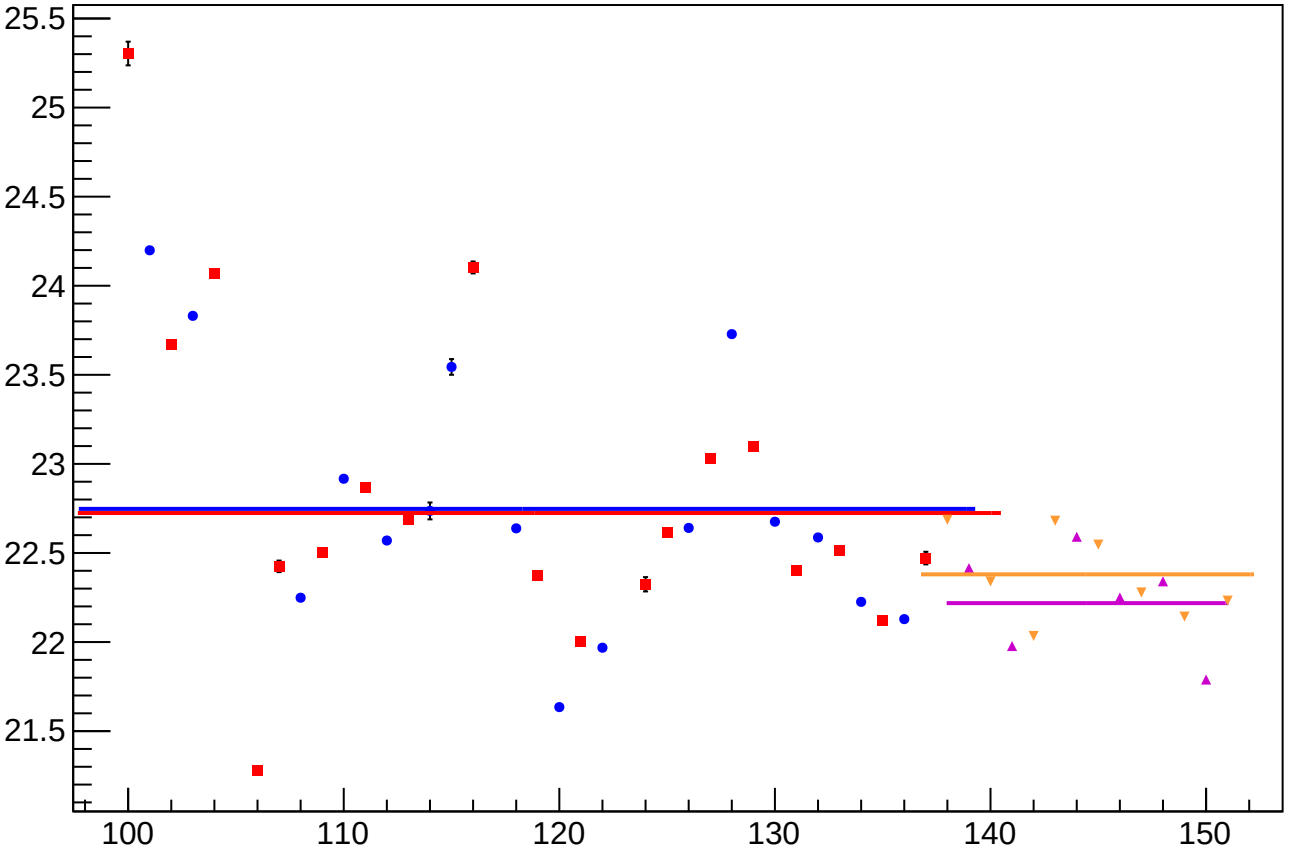
Left In: -9.139+/-9.680 χ^2/NDF:4.9/5

+ sign 8.051+/-6.159 χ^2/NDF: 32.2/23

All: -3.545+/-4.403 χ^2/NDF: 60.4/48

- sign -15.667+/-6.297 χ^2/NDF: 20.9/24

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: 22.380+/-0.006 χ^2/NDF:1183.1/7

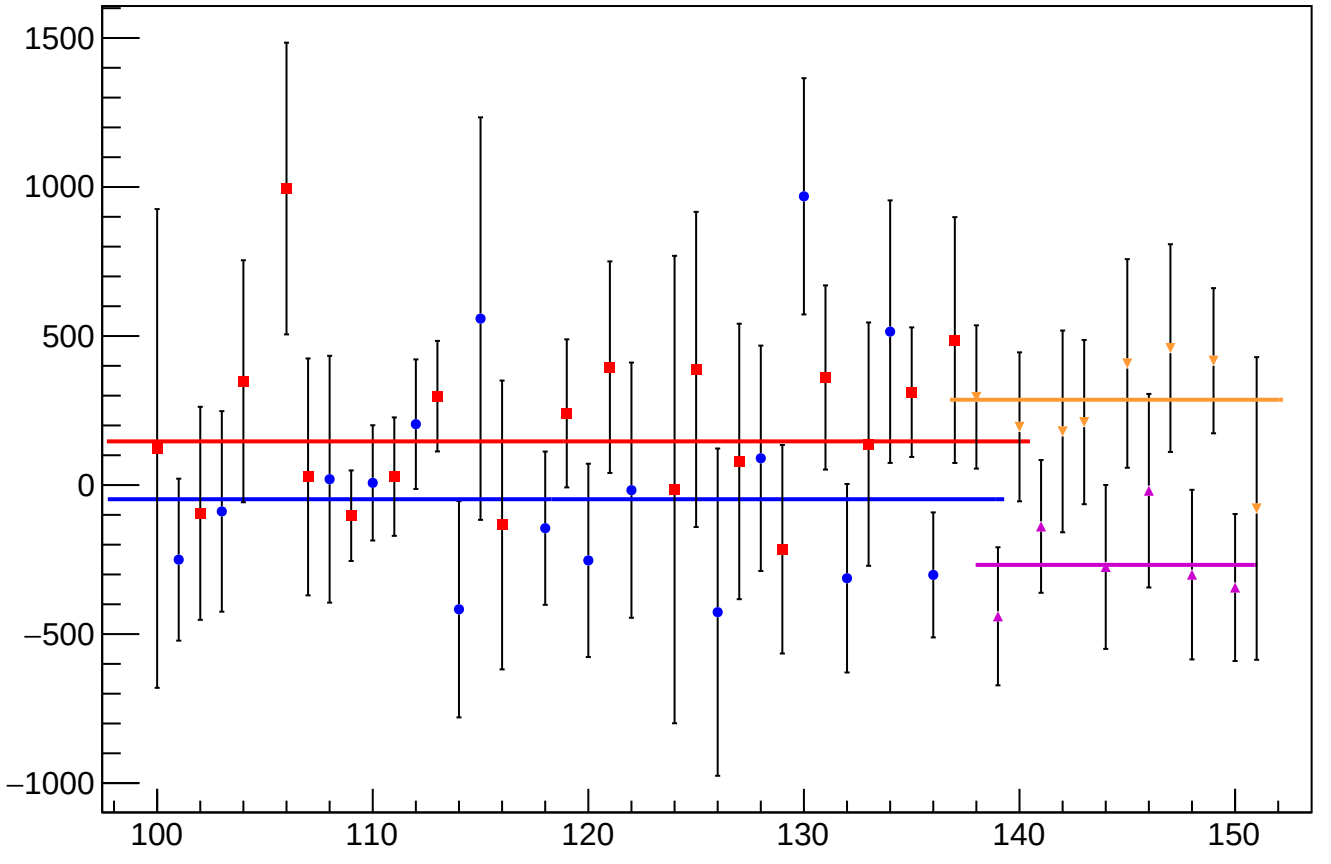
Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.219+/-0.007 χ^2/NDF:1581.3/5

+ sign 22.575+/-0.004 χ^2/NDF: 17578.6/23

All: 22.543+/-0.003 χ^2/NDF: 36907.7/48

- sign 22.510+/-0.004 χ^2/NDF: 19220.7/24



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 286.278+/-104.055 χ^2/NDF:1.5/7

Right Out: 146.573+/-68.398 χ^2/NDF: 11.6/18

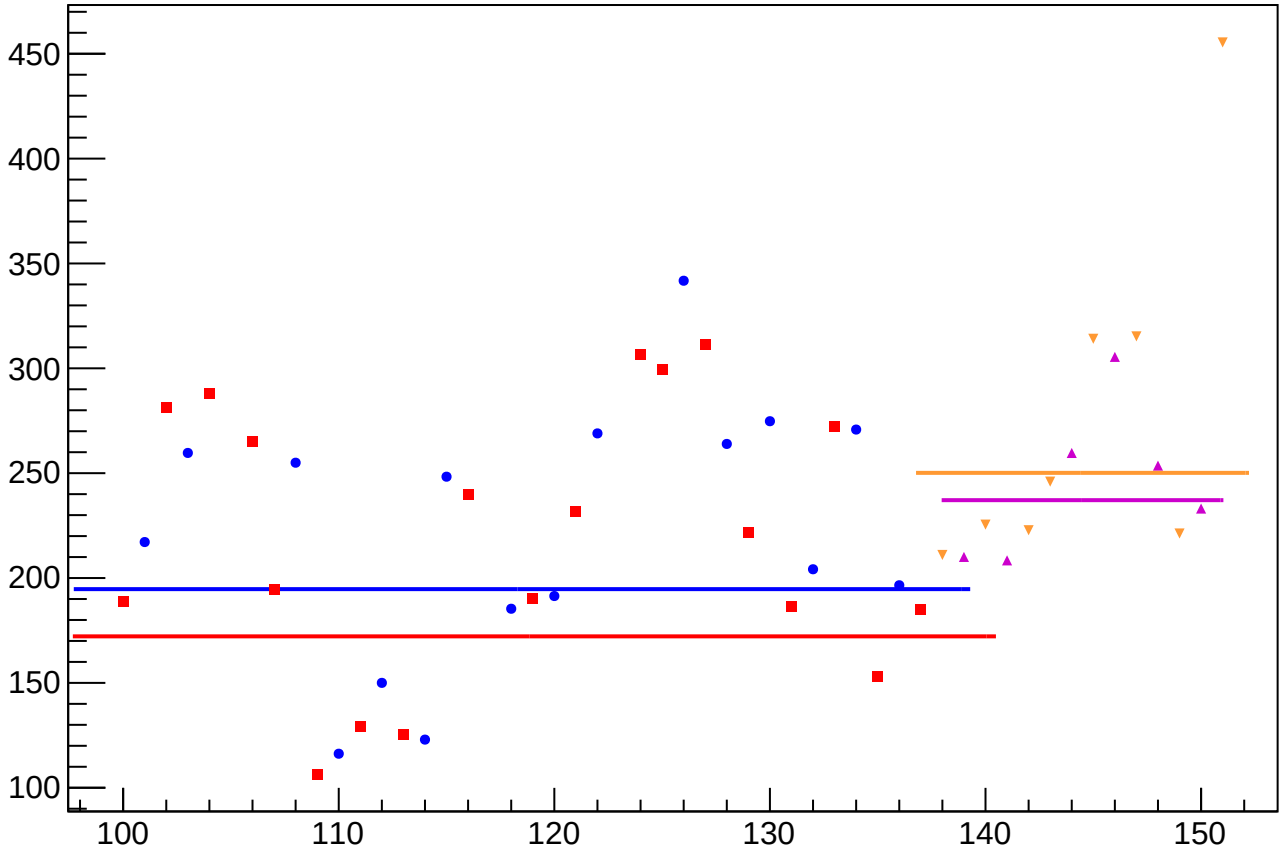
Left In: -267.781+/-105.220 χ^2/NDF:1.6/5

+ sign 69.736+/-61.673 χ^2/NDF: 23.5/23

All: 44.935+/-41.996 χ^2/NDF: 47.9/48

- sign 23.492+/-57.347 χ^2/NDF: 24.1/24

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: 250.153+/-0.074 χ^2/NDF:577620.0/7

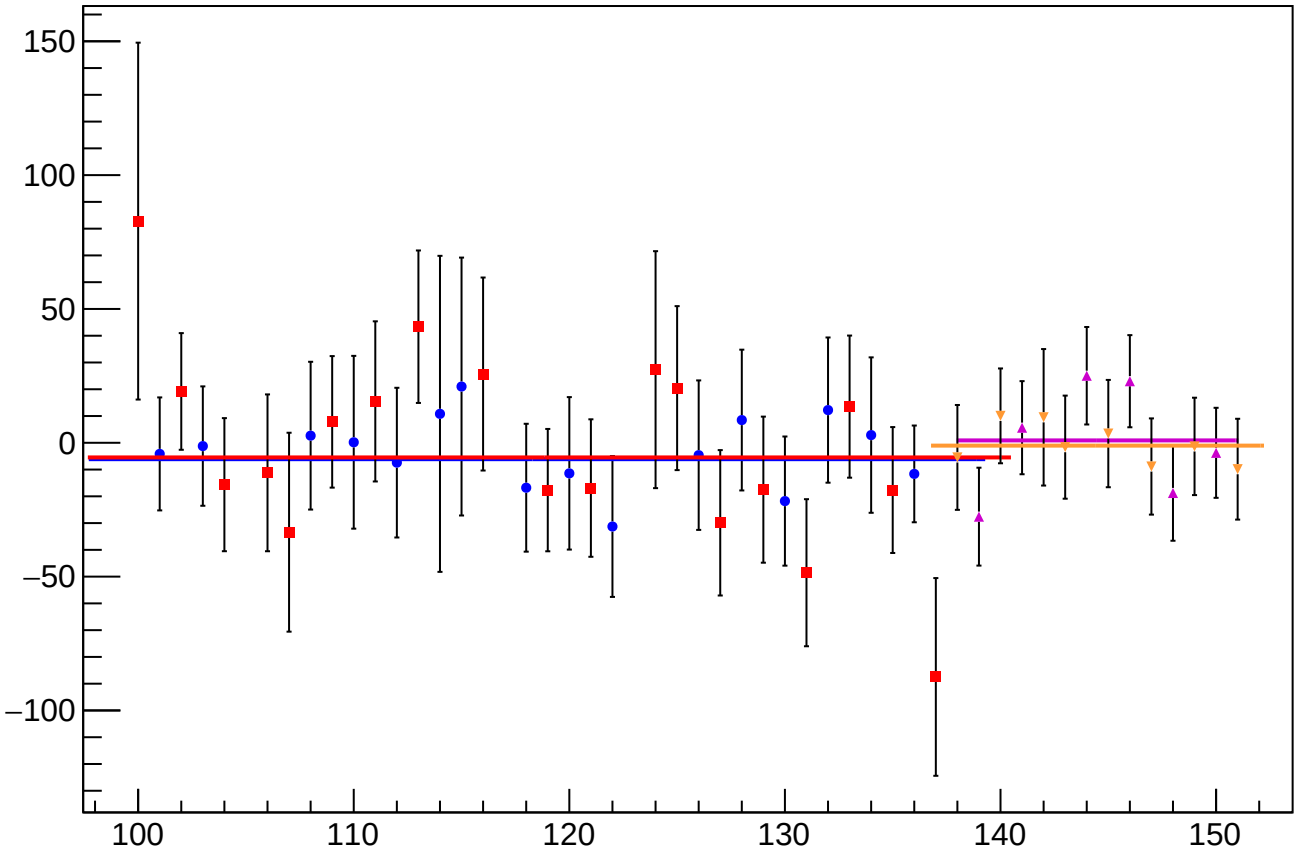
Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 237.131+/-0.074 χ^2/NDF:169740.2/5

+ sign 214.185+/-0.044 χ^2/NDF: 1998271.7/23

All: 202.007+/-0.030 χ^2/NDF: 4520102.7/48

- sign 191.478+/-0.041 χ^2/NDF: 2376426.9/24



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: -1.058+/-6.828 χ^2/NDF:1.1/7

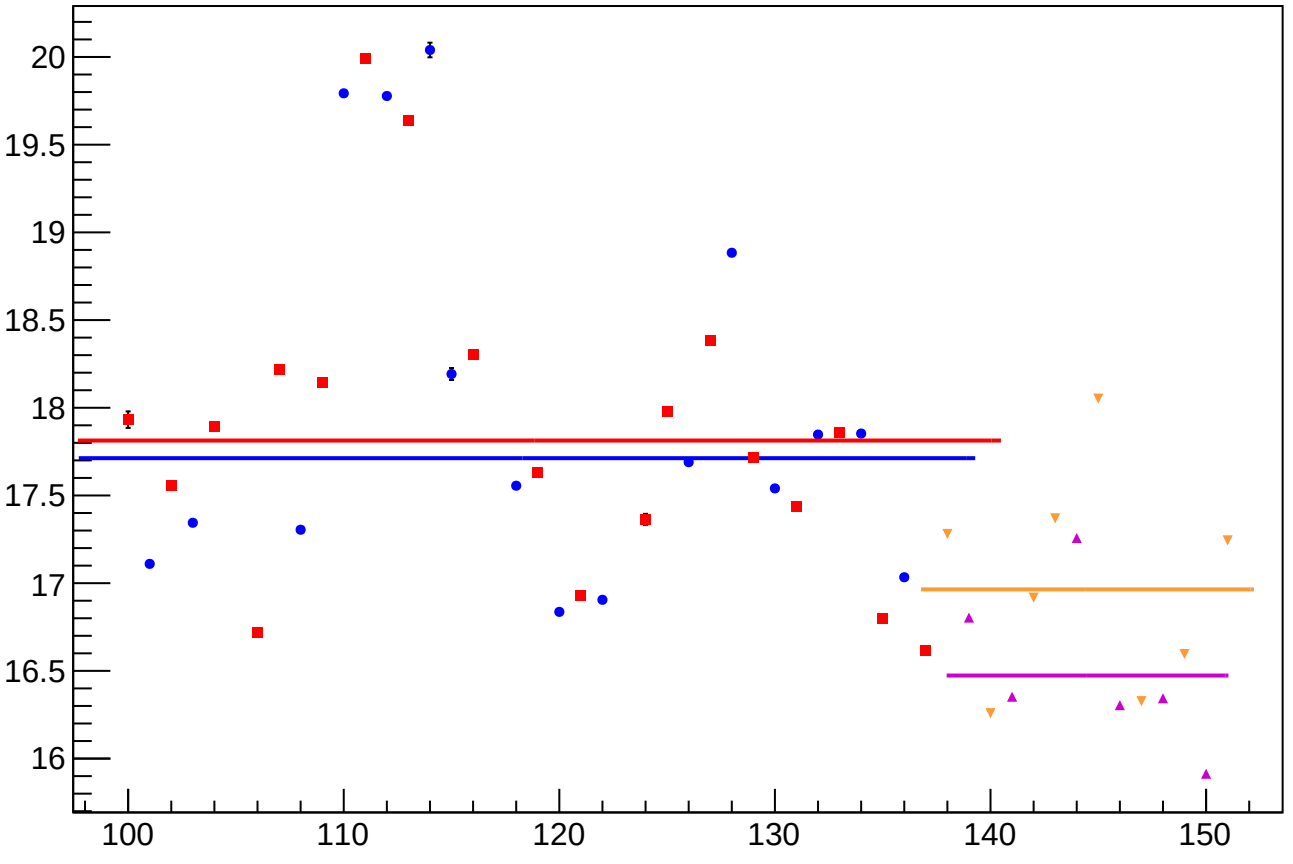
Right Out: -5.470+/-6.509 χ^2/NDF: 19.2/18

Left In: 0.892+/-7.187 χ^2/NDF:7.2/5

+ sign -3.677+/-4.743 χ^2/NDF: 4.5/23

All: -3.150+/-3.382 χ^2/NDF: 31.3/48

- sign -2.603+/-4.824 χ^2/NDF: 26.8/24



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.965+/-0.005 χ^2/NDF:14250.1/7

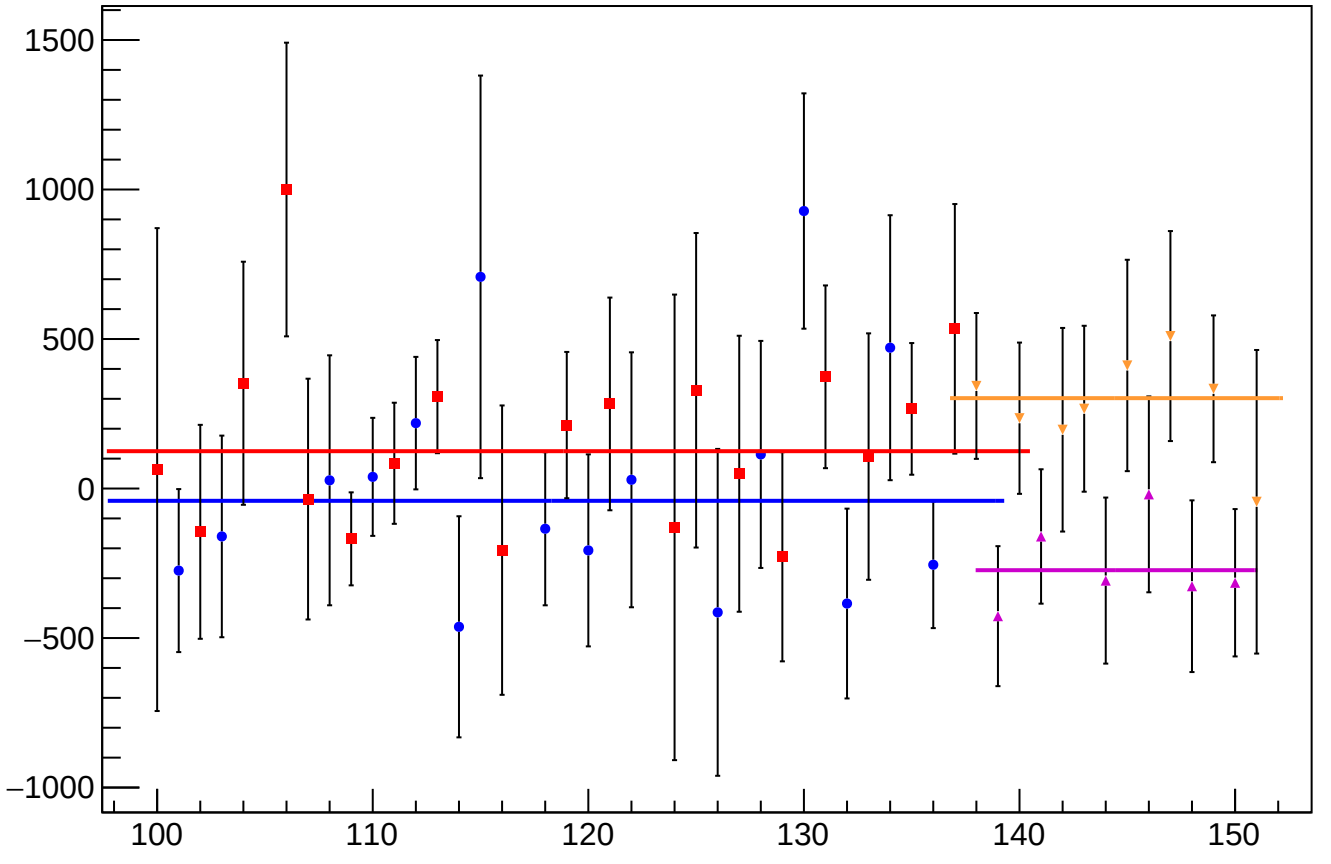
Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.473+/-0.005 χ^2/NDF:6971.4/5

\+ sign 17.352+/-0.003 χ^2/NDF: 62657.3/23

All: 17.282+/-0.002 χ^2/NDF: 141418.4/48

\- sign 17.209+/-0.003 χ^2/NDF: 77876.5/24



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 302.234+/-105.034 χ^2/NDF:1.1/7

Right Out: 124.872+/-69.109 χ^2/NDF: 12.9/18

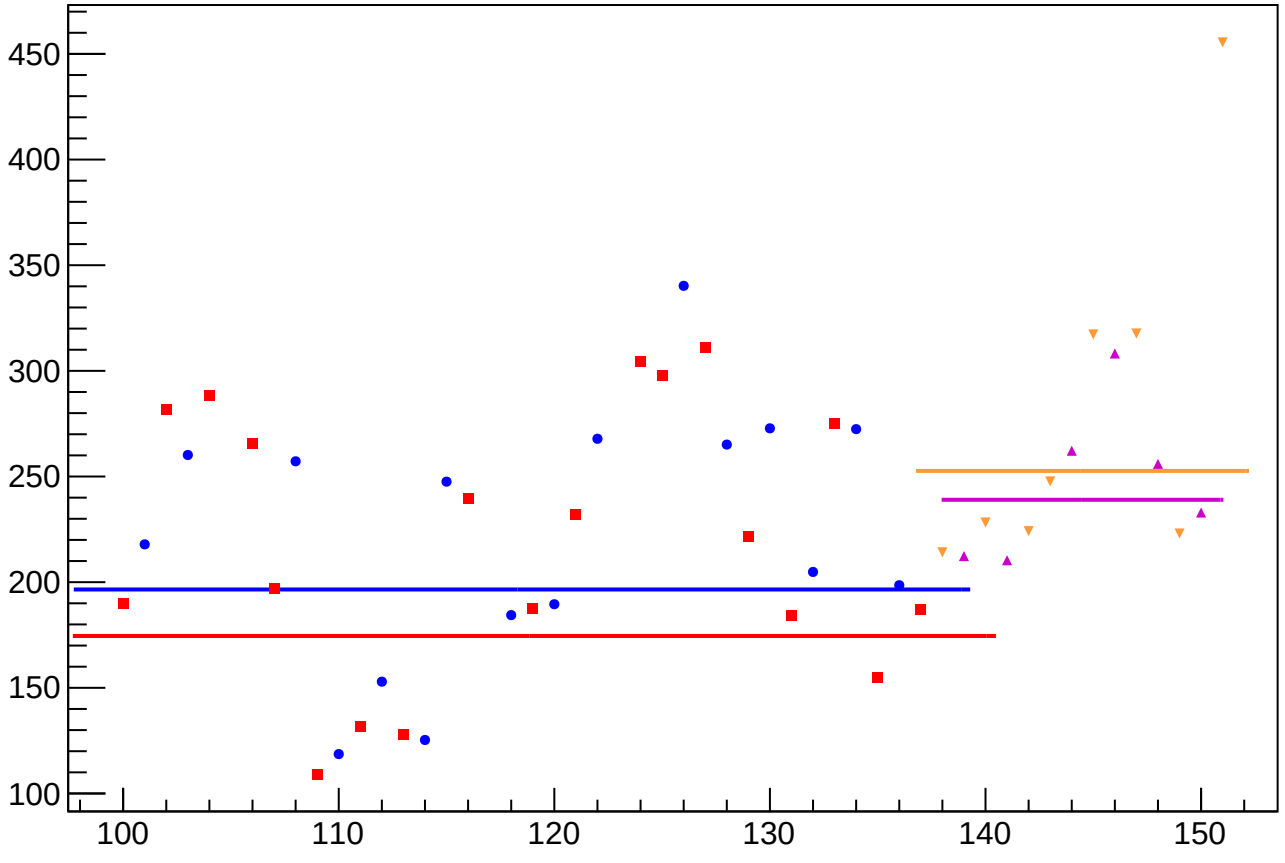
Left In: -273.121+/-106.034 χ^2/NDF:1.4/5

+ sign 79.189+/-62.173 χ^2/NDF: 23.7/23

All: 40.106+/-42.371 χ^2/NDF: 48.6/48

- sign 6.215+/-57.897 χ^2/NDF: 24.1/24

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 252.651+/-0.074 χ^2/NDF:566855.4/7

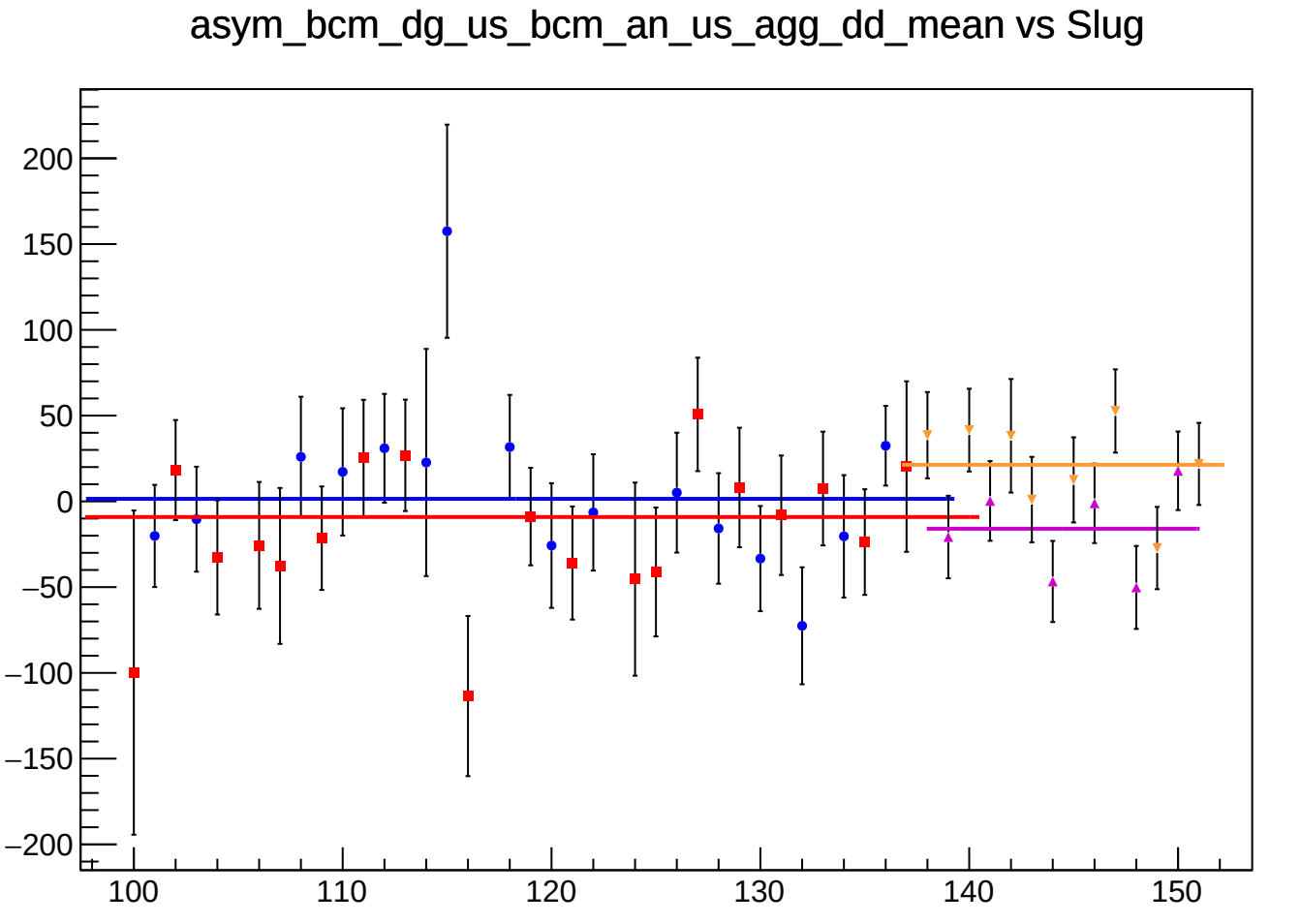
Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 238.999+/-0.075 χ^2/NDF:169817.1/5

+ sign 216.202+/-0.044 χ^2/NDF: 1938376.3/23

All: 204.181+/-0.030 χ^2/NDF: 4355244.9/48

- sign 193.758+/-0.041 χ^2/NDF: 2277283.3/24



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 21.350+/-8.899 χ^2/NDF:8.0/7

Right Out: -9.113+/-8.198 χ^2/NDF: 16.5/18

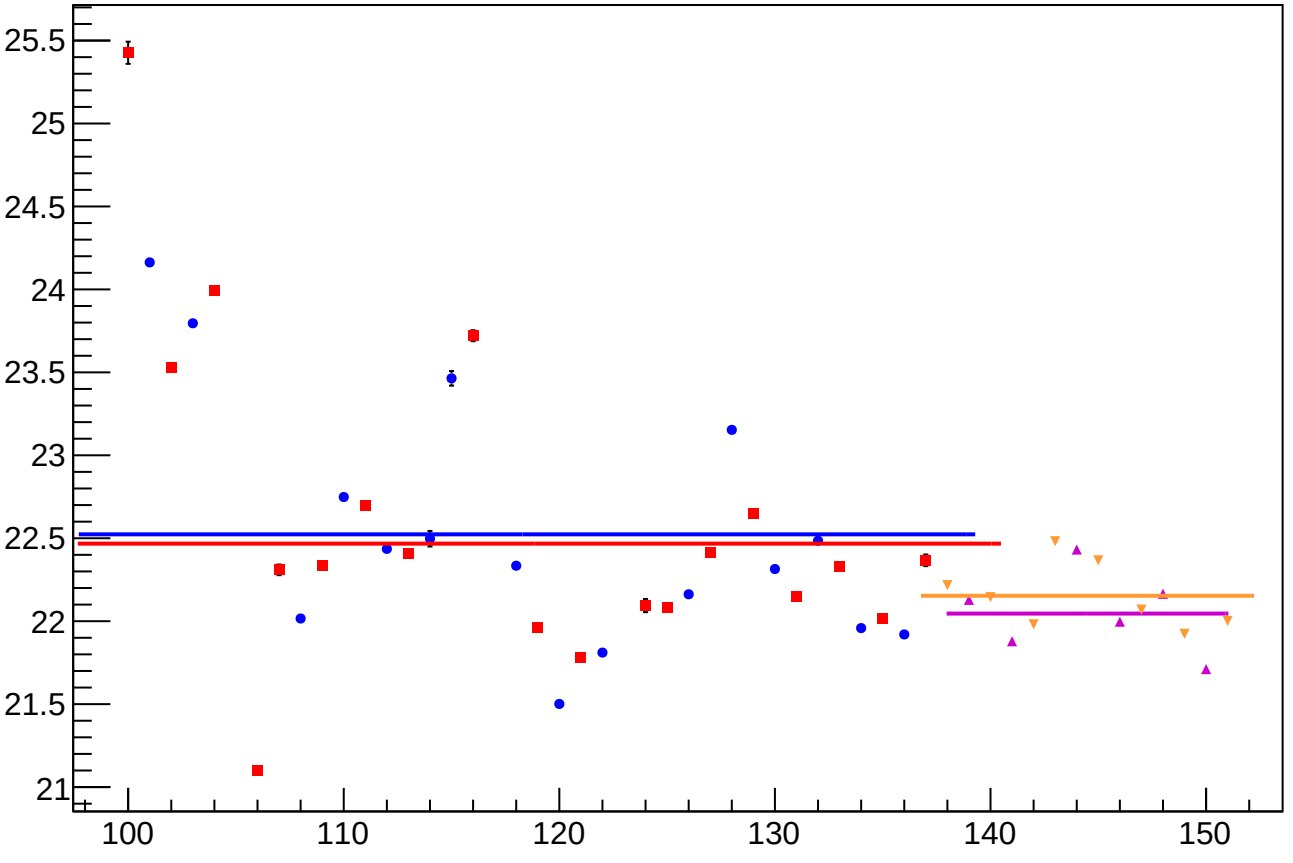
Left In: -15.950+/-9.604 χ^2/NDF:6.8/5

+ sign 10.805+/-6.097 χ^2/NDF: 29.3/23

All: -0.340+/-4.359 χ^2/NDF: 59.7/48

- sign -11.995+/-6.235 χ^2/NDF: 23.5/24

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: 22.153+/-0.006 χ^2/NDF:850.5/7

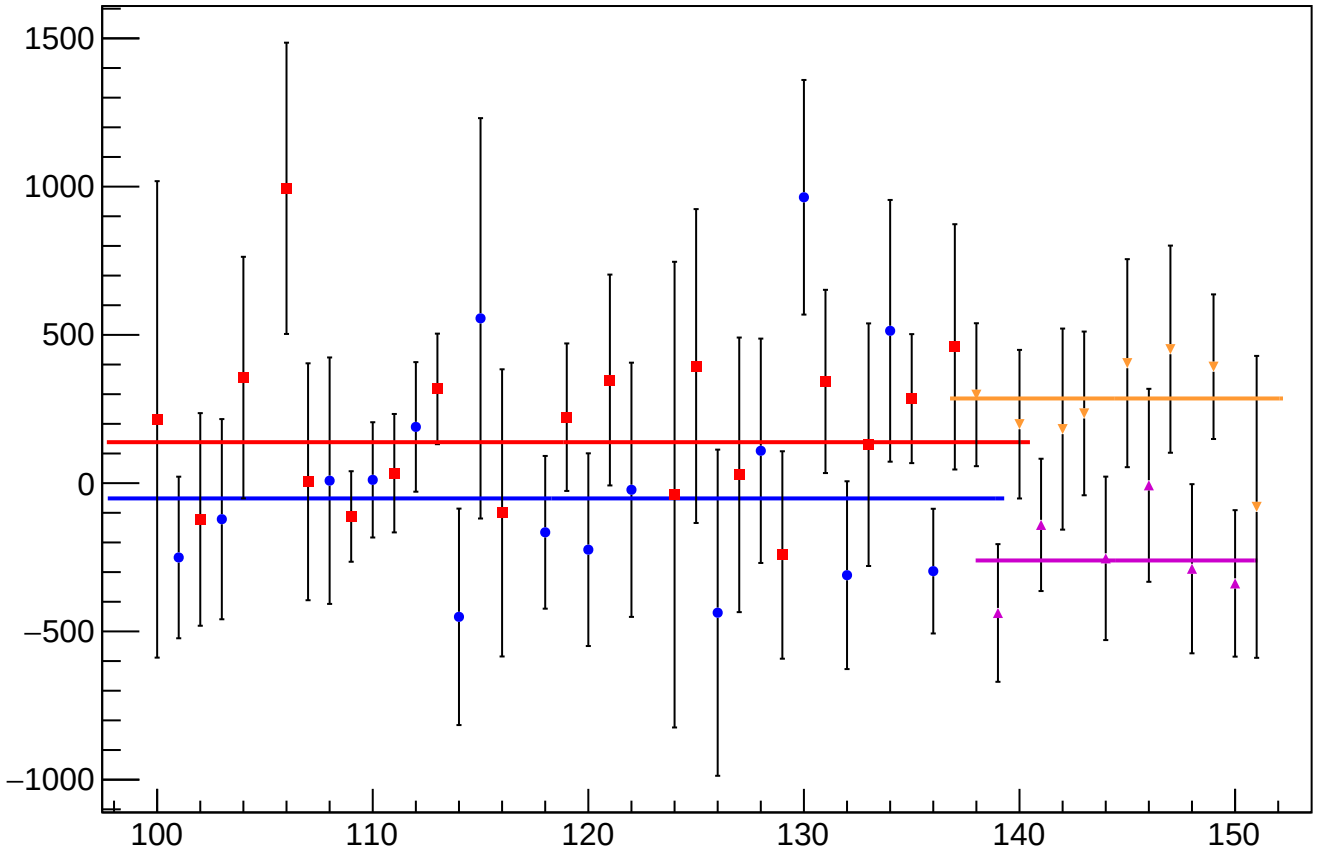
Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.046+/-0.007 χ^2/NDF:1144.1/5

\+ sign 22.350+/-0.004 χ^2/NDF: 18635.0/23

All: 22.320+/-0.003 χ^2/NDF: 37730.2/48

\- sign 22.290+/-0.004 χ^2/NDF: 19000.9/24



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 285.556+/-104.281 χ^2/NDF:1.3/7

Right Out: 138.184+/-68.625 χ^2/NDF: 11.6/18

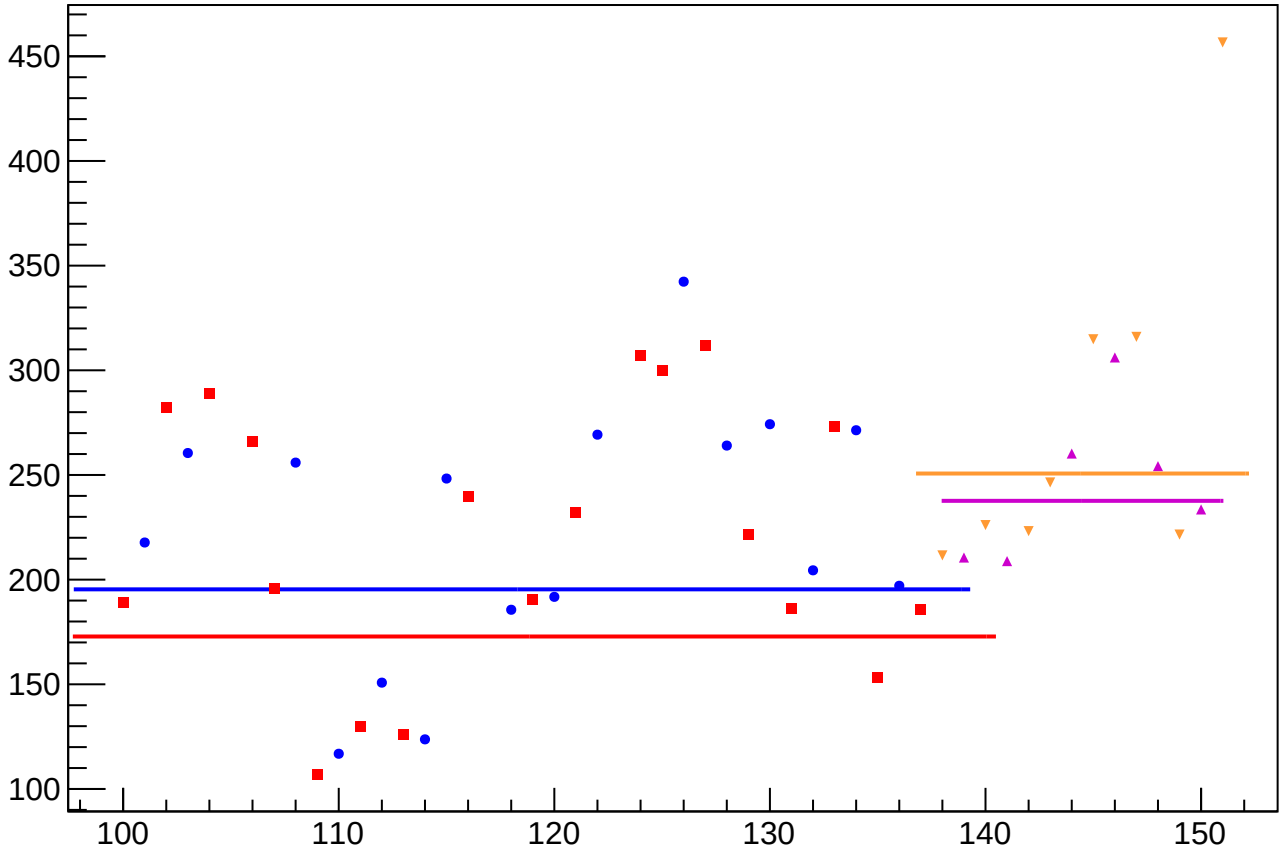
Left In: -260.731+/-105.446 χ^2/NDF:1.6/5

\+ sign 67.029+/-61.838 χ^2/NDF: 23.4/23

All: 41.543+/-42.115 χ^2/NDF: 47.0/48

\- sign 19.495+/-57.517 χ^2/NDF: 23.2/24

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: 250.689+/-0.074 χ^2/NDF:578215.8/7

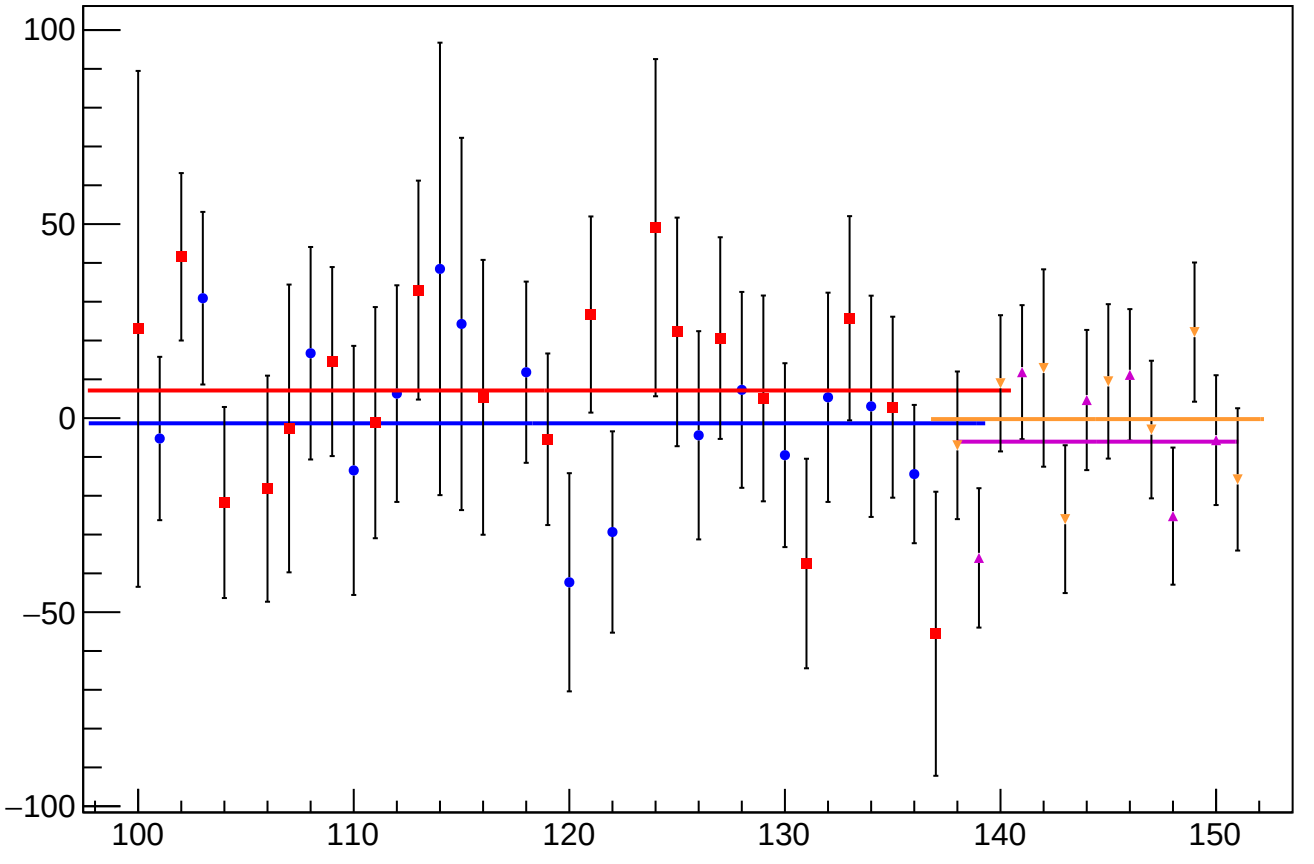
Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 237.641+/-0.075 χ^2/NDF:169884.4/5

+ sign 214.817+/-0.044 χ^2/NDF: 1984677.9/23

All: 202.647+/-0.030 χ^2/NDF: 4489114.4/48

- sign 192.118+/-0.041 χ^2/NDF: 2359954.1/24



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: -0.247+/-6.726 χ^2/NDF:5.0/7

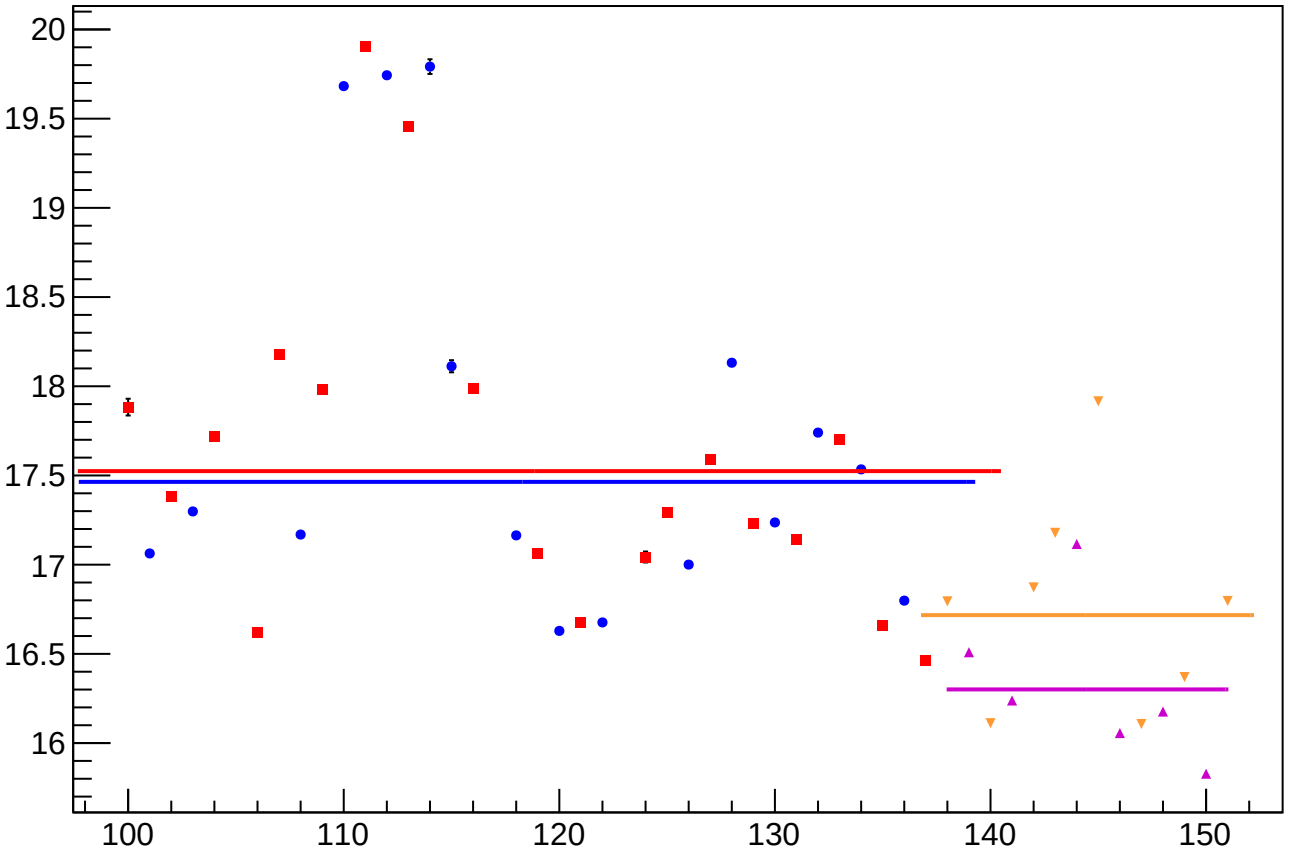
Right Out: 7.126+/-6.402 χ^2/NDF: 14.4/18

Left In: -6.063+/-7.110 χ^2/NDF:6.4/5

+ sign -0.808+/-4.674 χ^2/NDF: 13.1/23

All: 0.188+/-3.334 χ^2/NDF: 35.9/48

- sign 1.221+/-4.758 χ^2/NDF: 22.7/24



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.717+/-0.005 χ^2/NDF:14075.4/7

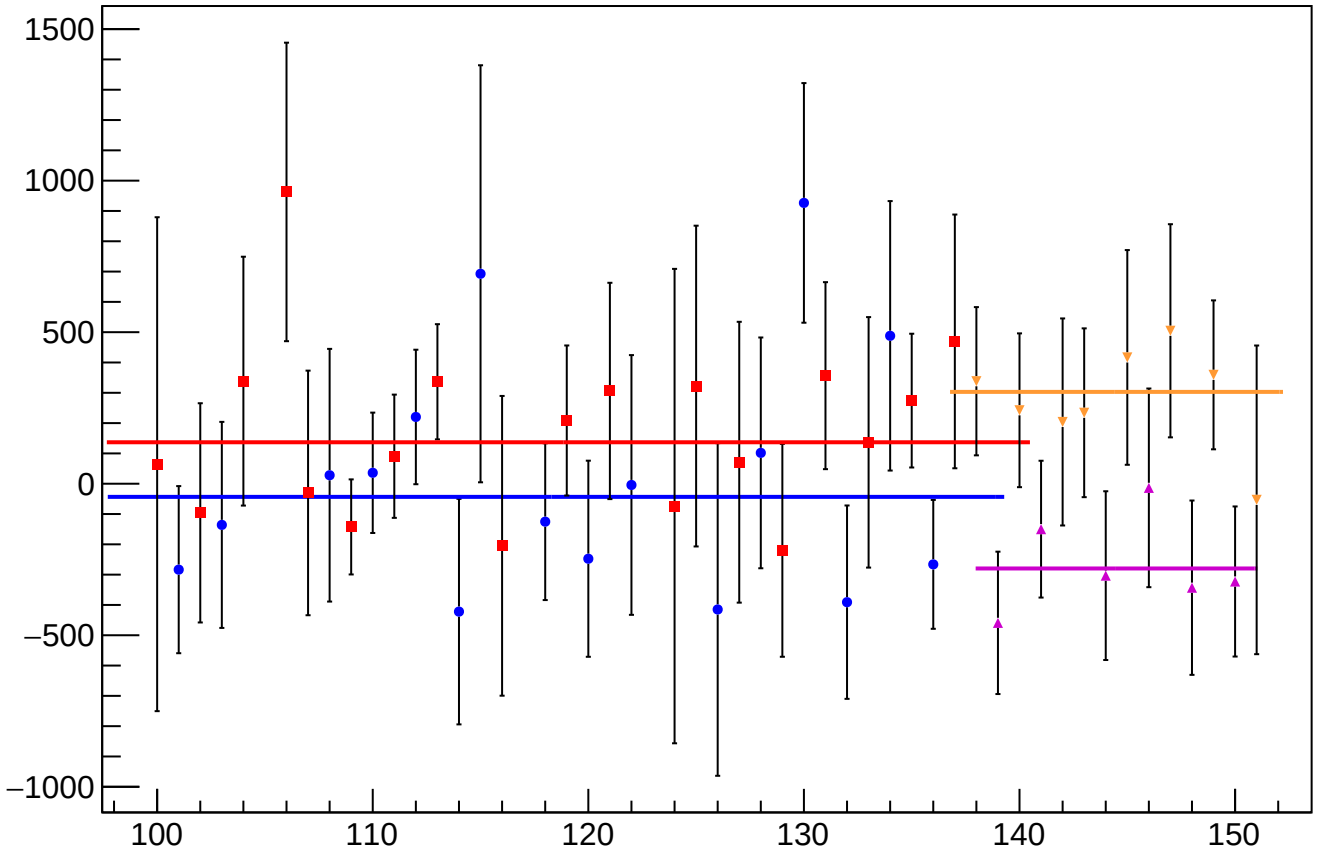
Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.301+/-0.005 χ^2/NDF:6480.4/5

\+ sign 17.104+/-0.003 χ^2/NDF: 63482.4/23

All: 17.041+/-0.002 χ^2/NDF: 138125.5/48

\- sign 16.976+/-0.003 χ^2/NDF: 73917.0/24



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 303.023+/-105.300 χ^2/NDF:1.2/7

Right Out: 136.778+/-69.557 χ^2/NDF: 11.5/18

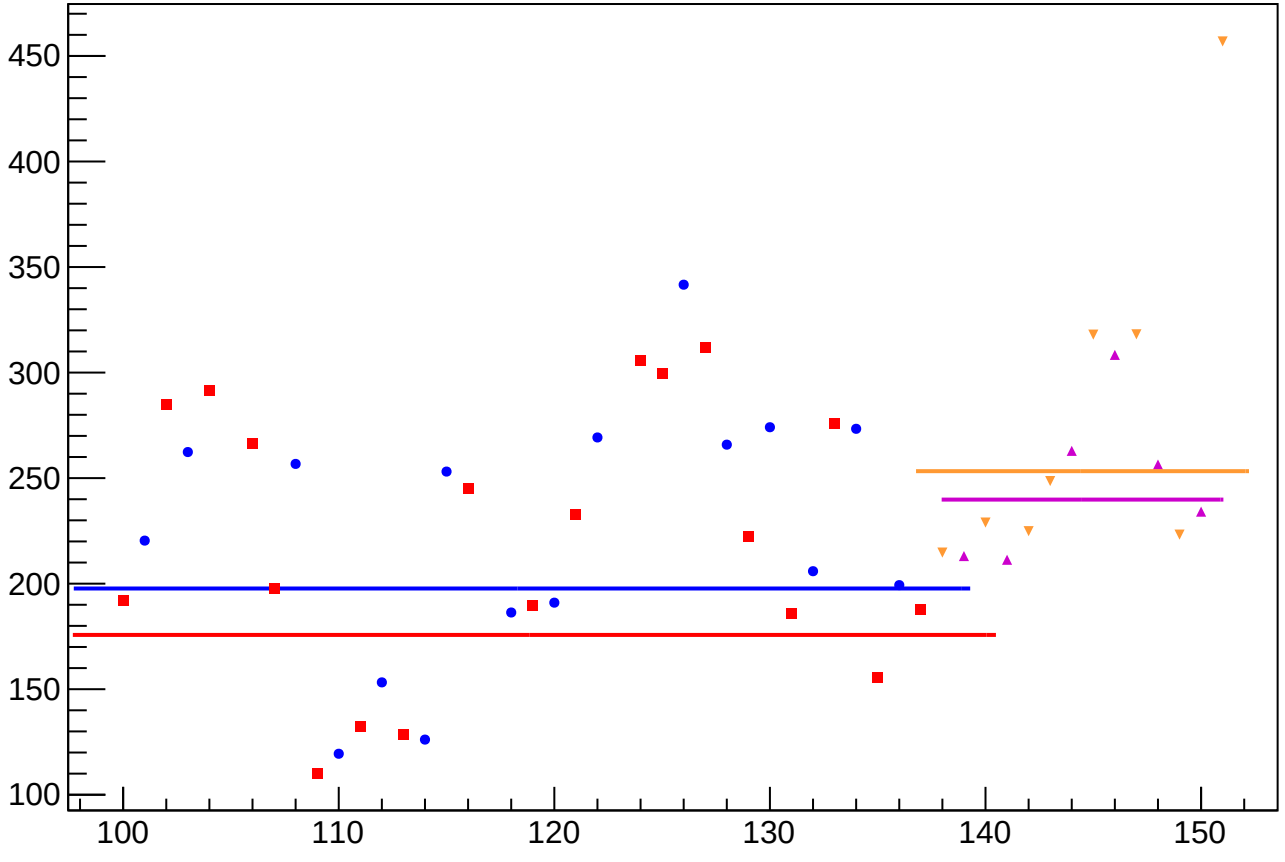
Left In: -279.673+/-106.382 χ^2/NDF:1.7/5

+ sign 78.500+/-62.461 χ^2/NDF: 23.7/23

All: 42.947+/-42.587 χ^2/NDF: 48.2/48

- sign 12.061+/-58.217 χ^2/NDF: 23.9/24

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 253.294+/-0.074 χ^2/NDF:566797.9/7

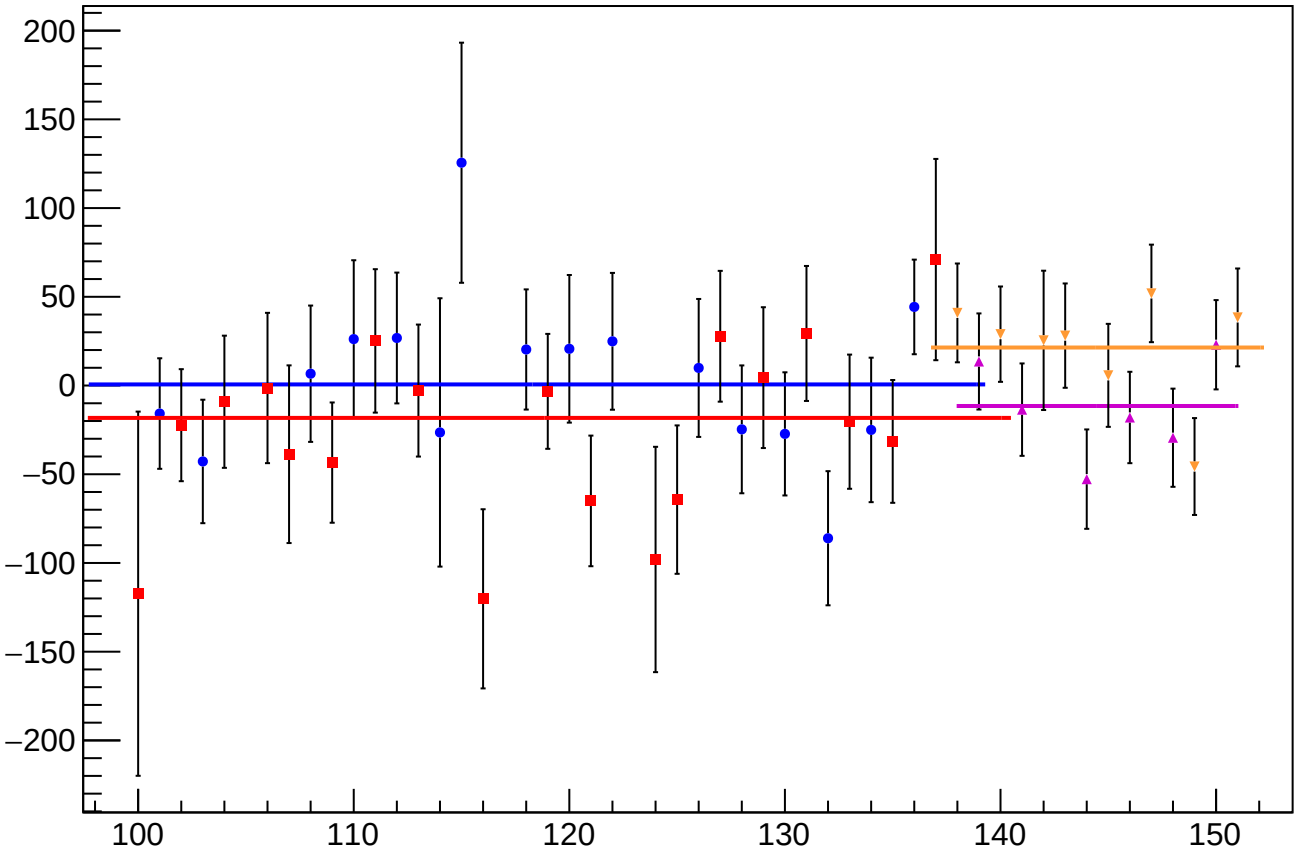
Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 239.827+/-0.075 χ^2/NDF:166854.1/5

+ sign 217.266+/-0.044 χ^2/NDF: 1928356.8/23

All: 205.305+/-0.030 χ^2/NDF: 4331642.2/48

- sign 194.915+/-0.041 χ^2/NDF: 2266250.6/24



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 21.420+/-10.180 χ^2/NDF:8.6/7

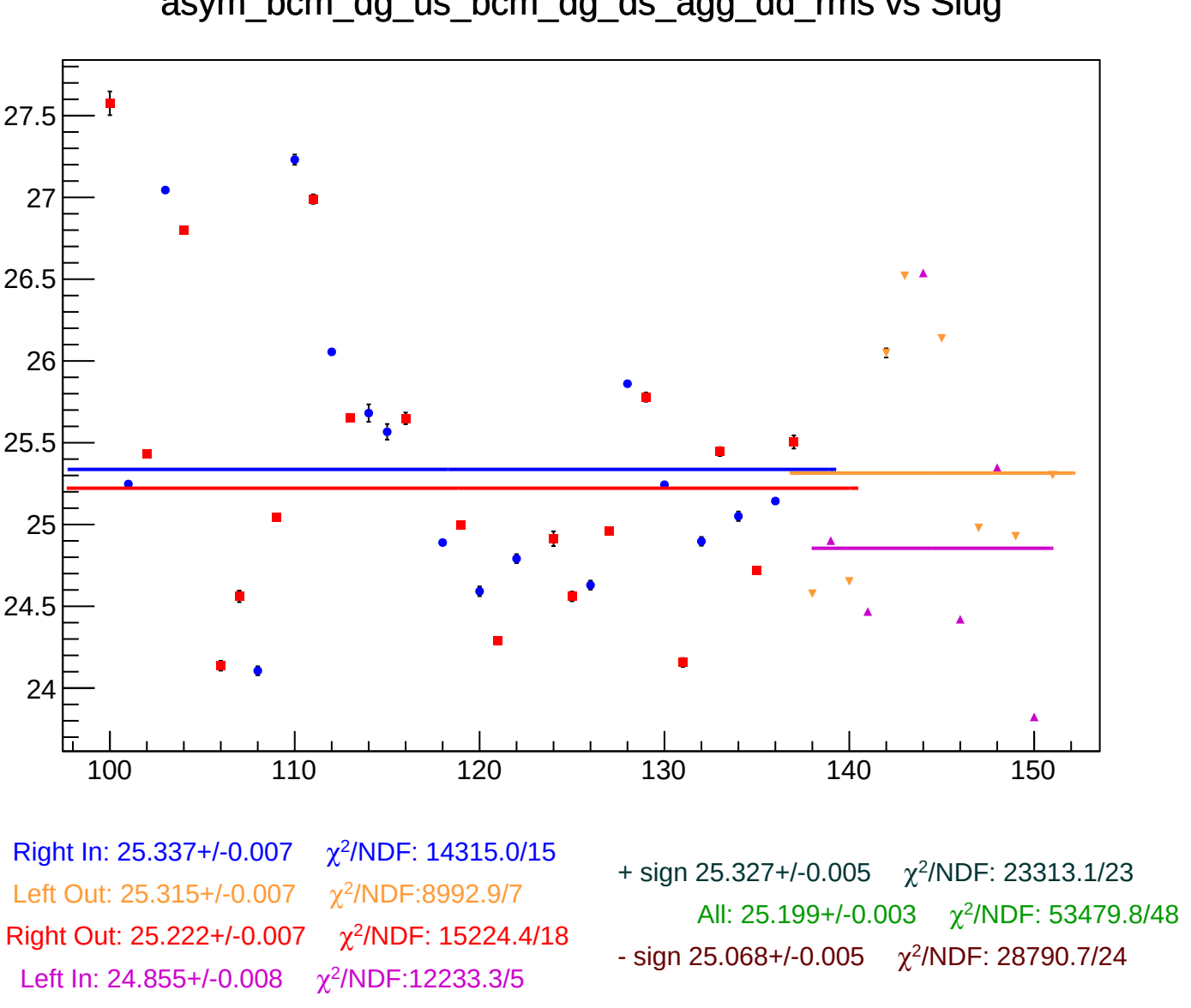
Right Out: -18.248+/-9.208 χ^2/NDF: 18.0/18

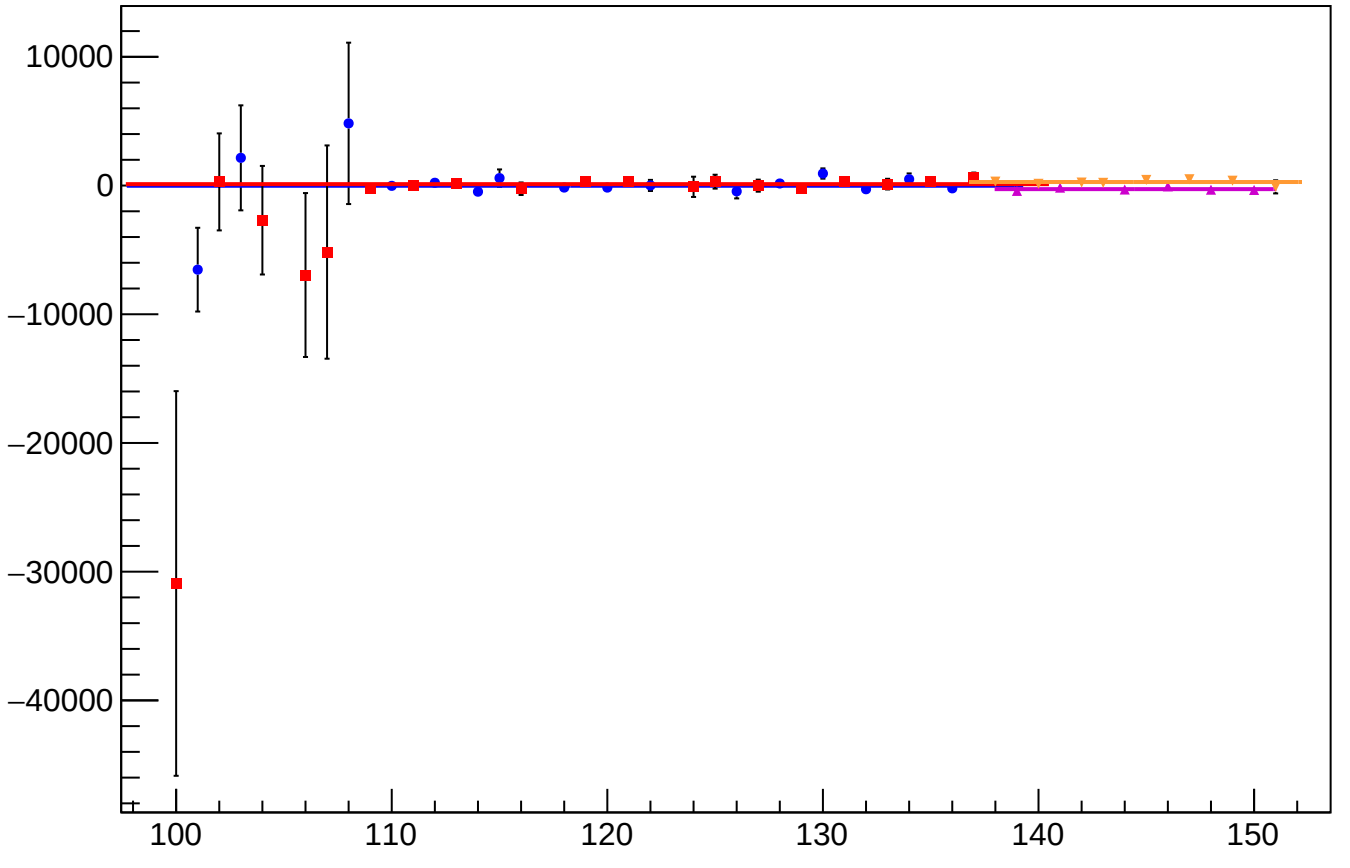
Left In: -11.536+/-10.842 χ^2/NDF:5.4/5

+ sign 10.215+/-6.915 χ^2/NDF: 27.6/23

All: -2.418+/-4.926 χ^2/NDF: 57.9/48

- sign -15.435+/-7.019 χ^2/NDF: 23.6/24


asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug
27.5
27
26.5
26
25.5
25
24.5
24
100
110
120
130
140
150
Right In: 25.337+/-0.007 χ²/NDF: 14315.0/15
Left Out: 25.315+/-0.007 χ²/NDF:8992.9/7
Right Out: 25.222+/-0.007 χ²/NDF: 15224.4/18
Left In: 24.855+/-0.008 χ²/NDF:12233.3/5
+ sign 25.327+/-0.005 χ²/NDF: 23313.1/23
All: 25.199+/-0.003 χ²/NDF: 53479.8/48
- sign 25.068+/-0.005 χ²/NDF: 28790.7/24



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 274.745+/-106.670 χ^2/NDF:1.7/7

Right Out: 108.825+/-78.099 χ^2/NDF: 14.0/18

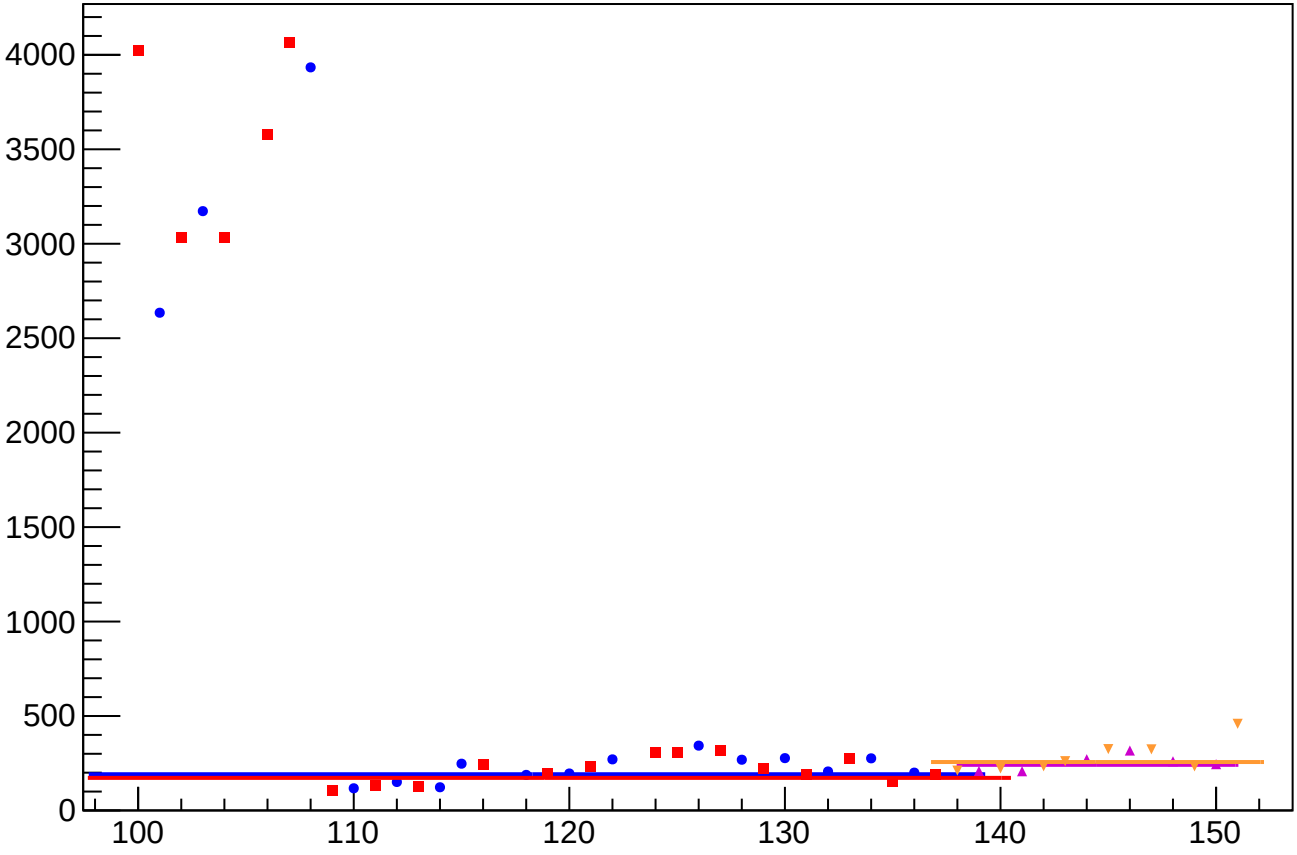
Left In: -278.330+/-107.434 χ^2/NDF:1.1/5

+ sign 96.767+/-66.332 χ^2/NDF: 24.5/23

All: 32.896+/-45.746 χ^2/NDF: 49.9/48

- sign -25.031+/-63.171 χ^2/NDF: 23.7/24

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: 256.380+/-0.075 χ^2/NDF:591202.1/7

Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

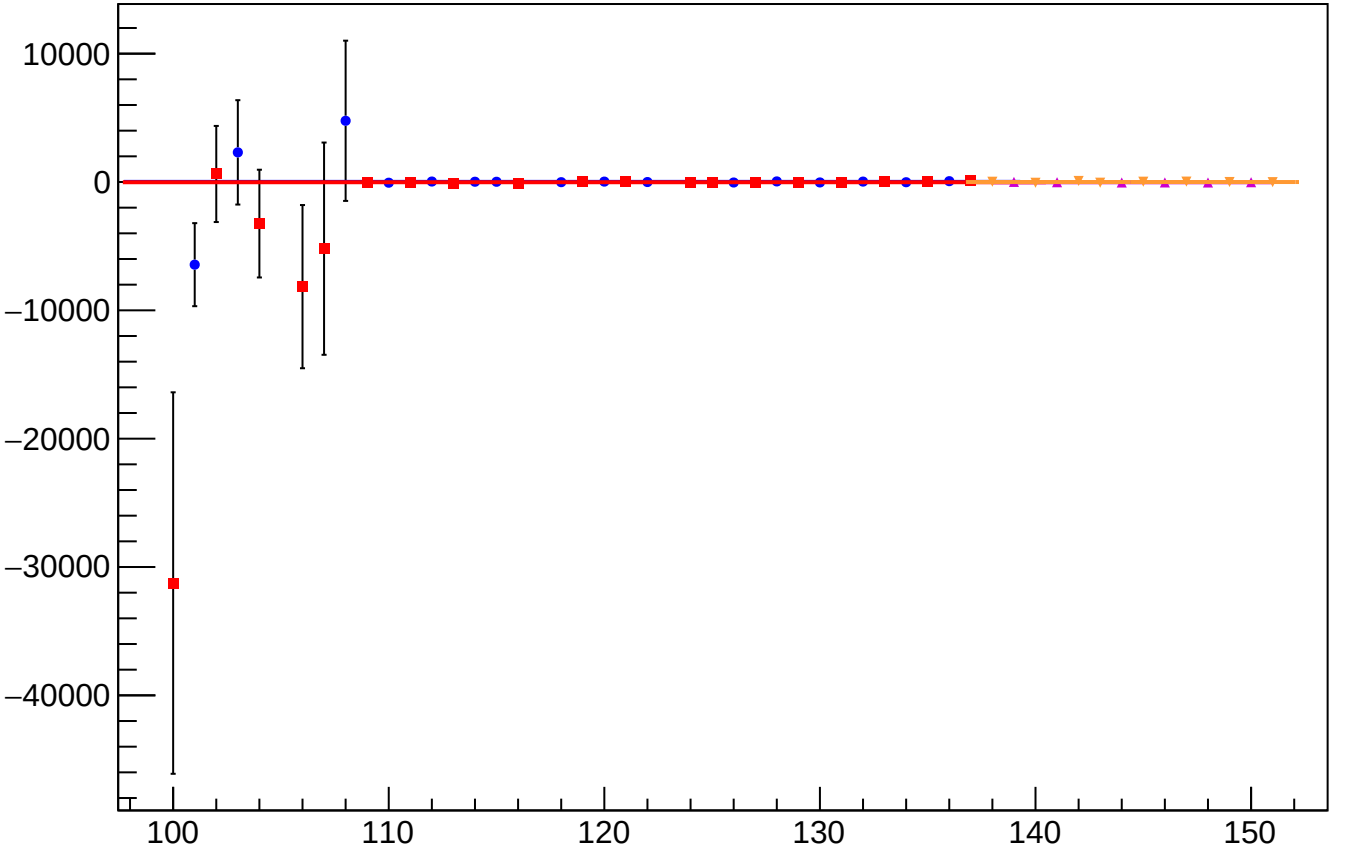
Left In: 241.540+/-0.076 χ^2/NDF:218009.5/5

+ sign 216.733+/-0.047 χ^2/NDF: 4863495.7/23

All: 206.042+/-0.032 χ^2/NDF: 10024680.3/48

- sign 196.345+/-0.045 χ^2/NDF: 5062106.5/24

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 9.576+/-11.685 χ^2/NDF: 16.0/15

Left Out: -2.136+/-11.830 χ^2/NDF:11.2/7

Right Out: -18.105+/-11.805 χ^2/NDF: 24.8/18

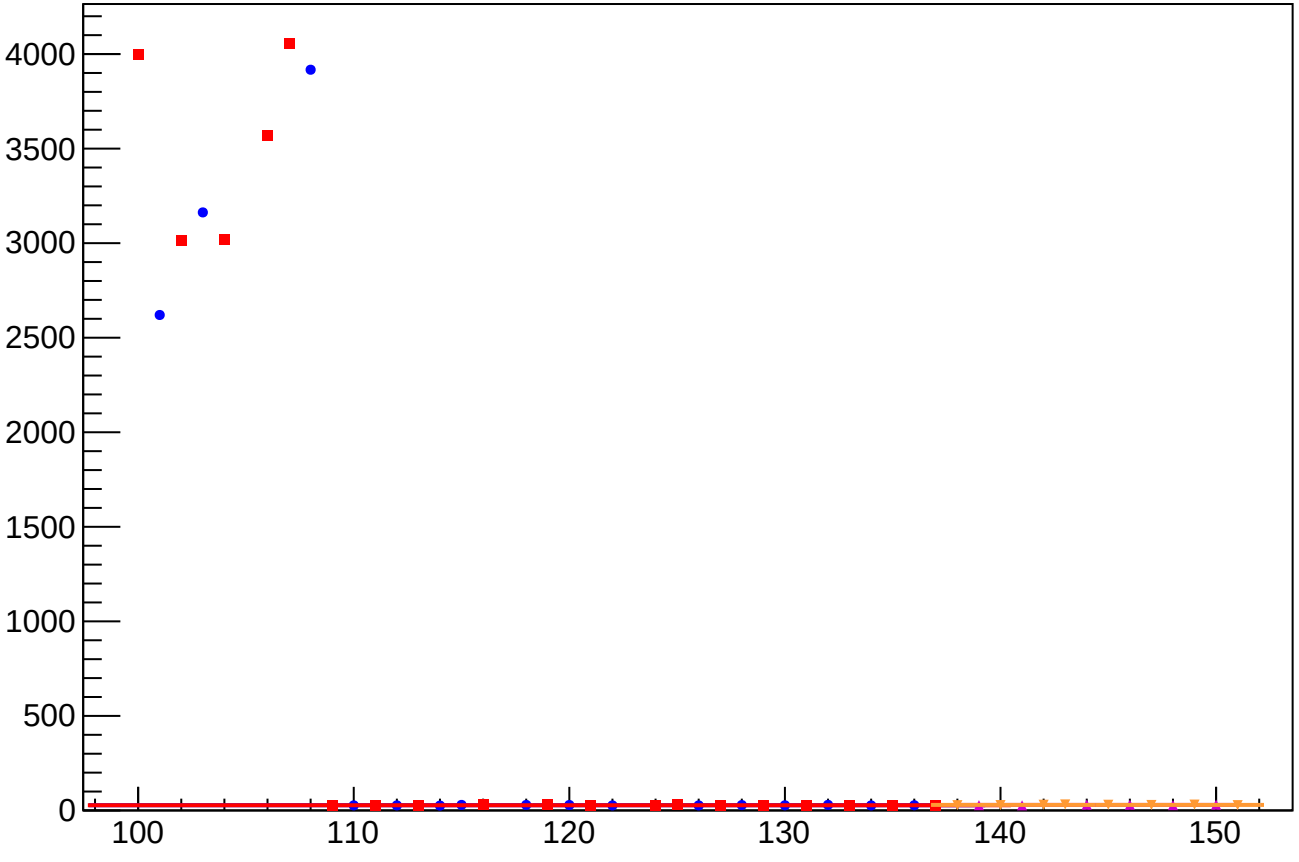
Left In: -21.576+/-12.778 χ^2/NDF:1.7/5

+ sign 3.792+/-8.313 χ^2/NDF: 27.7/23

All: -7.461+/-6.001 χ^2/NDF: 58.0/48

- sign -19.703+/-8.671 χ^2/NDF: 26.5/24

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: 29.330+/-0.008 χ^2/NDF:26163.4/7

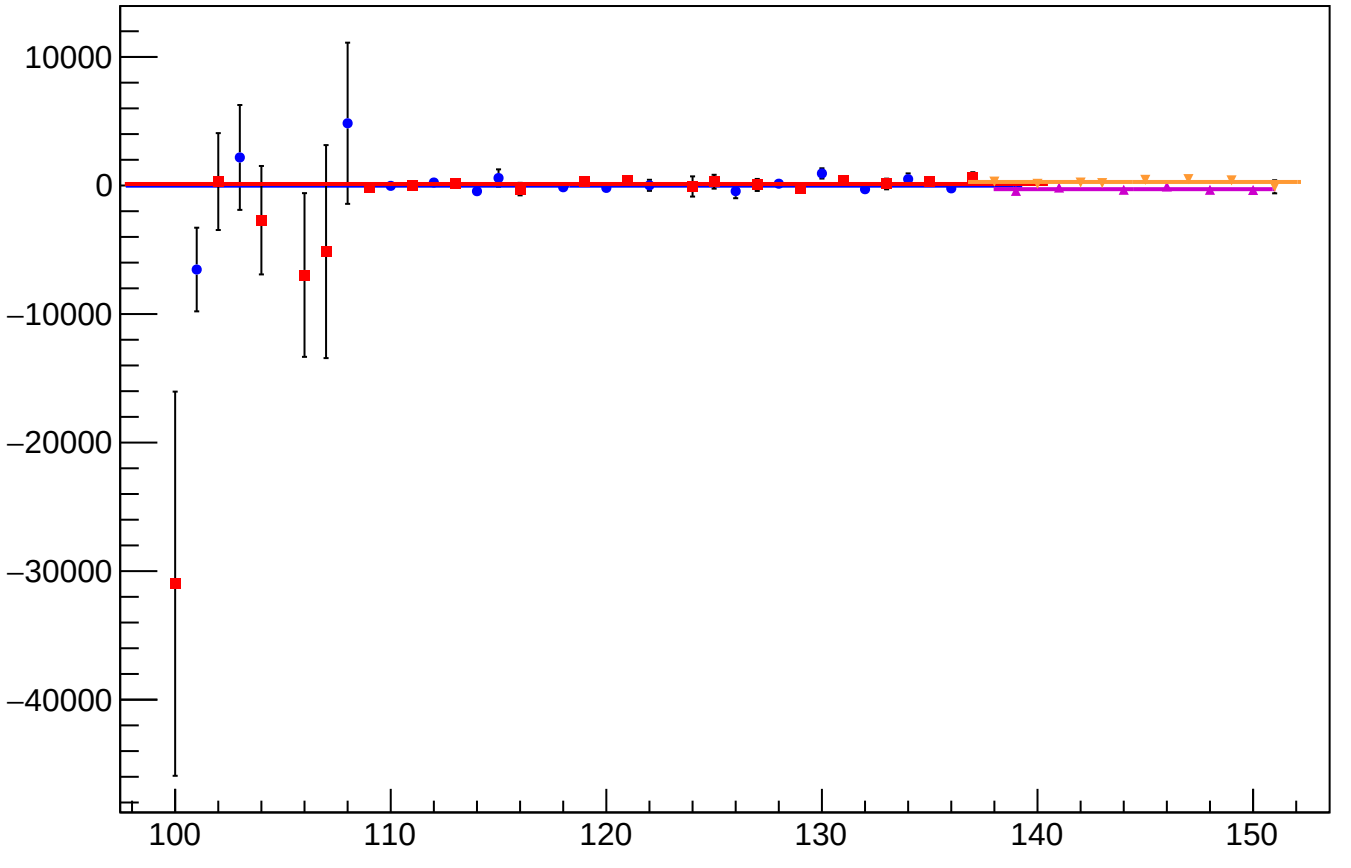
Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 29.240+/-0.009 χ^2/NDF:31221.6/5

+ sign 28.475+/-0.006 χ^2/NDF: 3312275.4/23

All: 28.401+/-0.004 χ^2/NDF: 6918285.7/48

- sign 28.320+/-0.006 χ^2/NDF: 3605676.3/24



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 275.450+/-106.441 χ^2/NDF:1.8/7

Right Out: 118.063+/-77.862 χ^2/NDF: 14.4/18

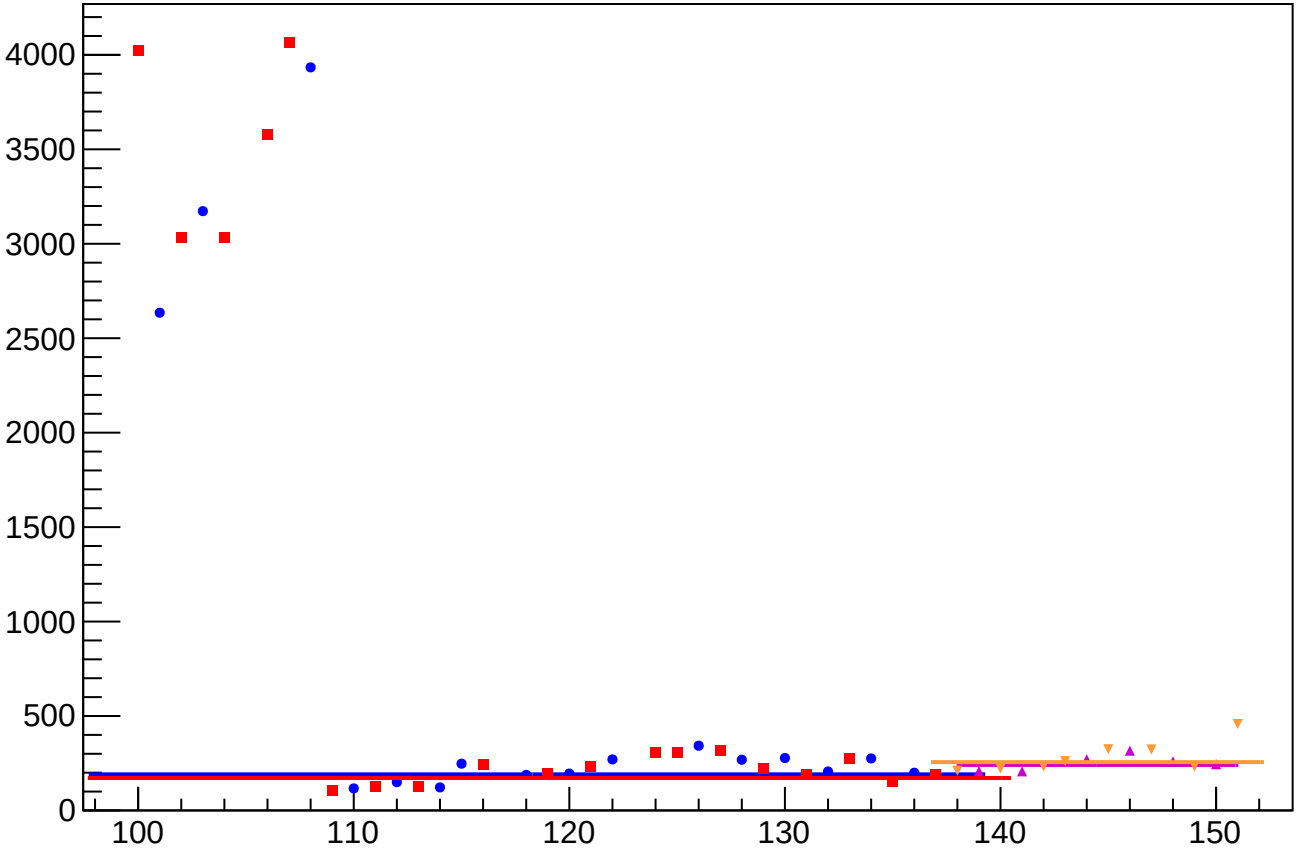
Left In: -285.232+/-107.208 χ^2/NDF:1.2/5

+ sign 98.338+/-66.159 χ^2/NDF: 24.7/23

All: 35.645+/-45.624 χ^2/NDF: 51.2/48

- sign -21.204+/-63.000 χ^2/NDF: 24.9/24

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 255.832+/-0.075 χ^2/NDF:590989.9/7

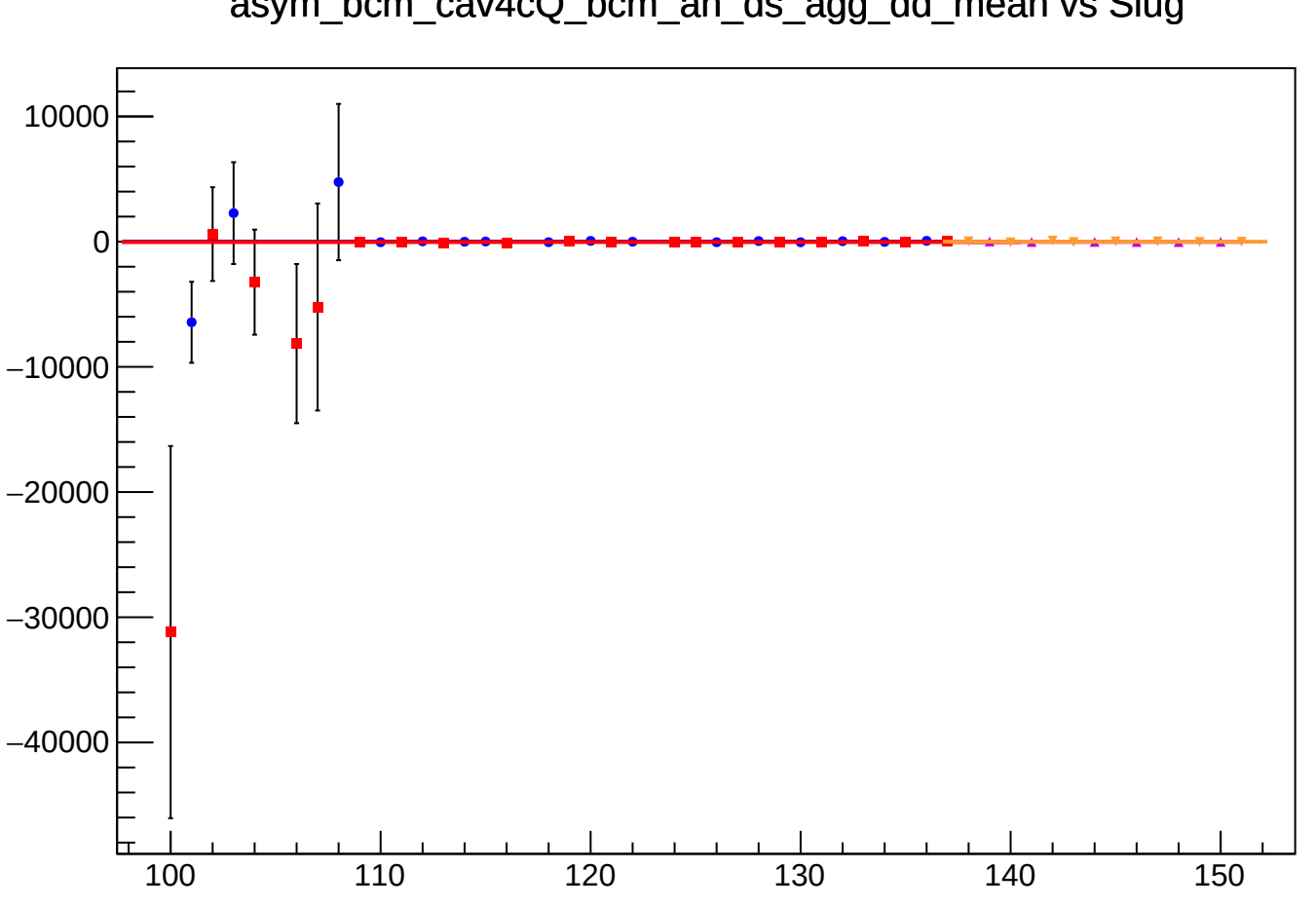
Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

Left In: 241.031+/-0.076 χ^2/NDF:218013.3/5

+ sign 216.089+/-0.047 χ^2/NDF: 4879293.9/23

All: 205.412+/-0.032 χ^2/NDF: 10056814.0/48

- sign 195.730+/-0.045 χ^2/NDF: 5078189.5/24



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -3.336+/-11.904 χ^2/NDF:9.0/7

Right Out: -30.962+/-11.902 χ^2/NDF: 19.9/18

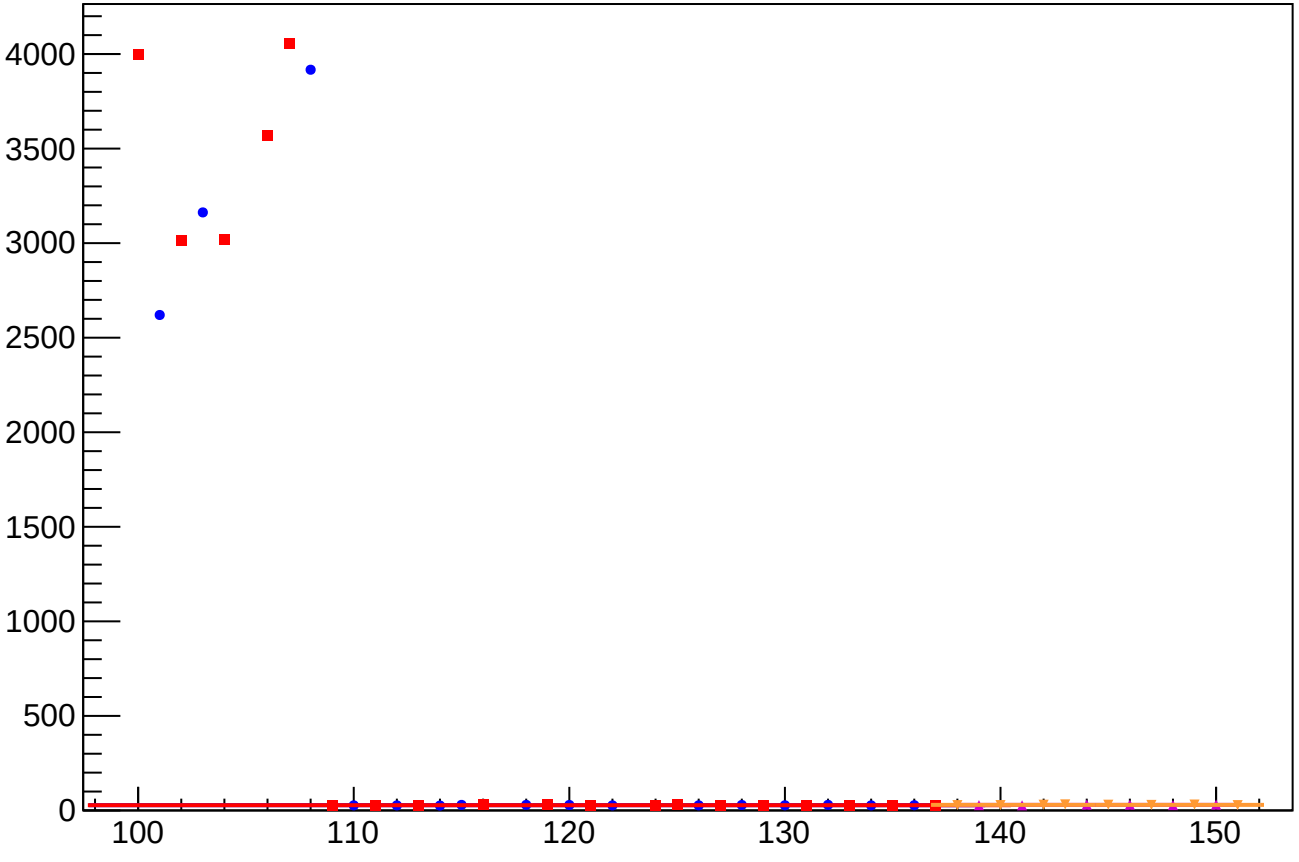
Left In: -15.708+/-12.860 χ^2/NDF:1.4/5

+ sign 1.635+/-8.368 χ^2/NDF: 27.7/23

All: -10.596+/-6.043 χ^2/NDF: 54.2/48

- sign -23.925+/-8.735 χ^2/NDF: 22.1/24

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: 29.512+/-0.008 χ^2/NDF:27579.1/7

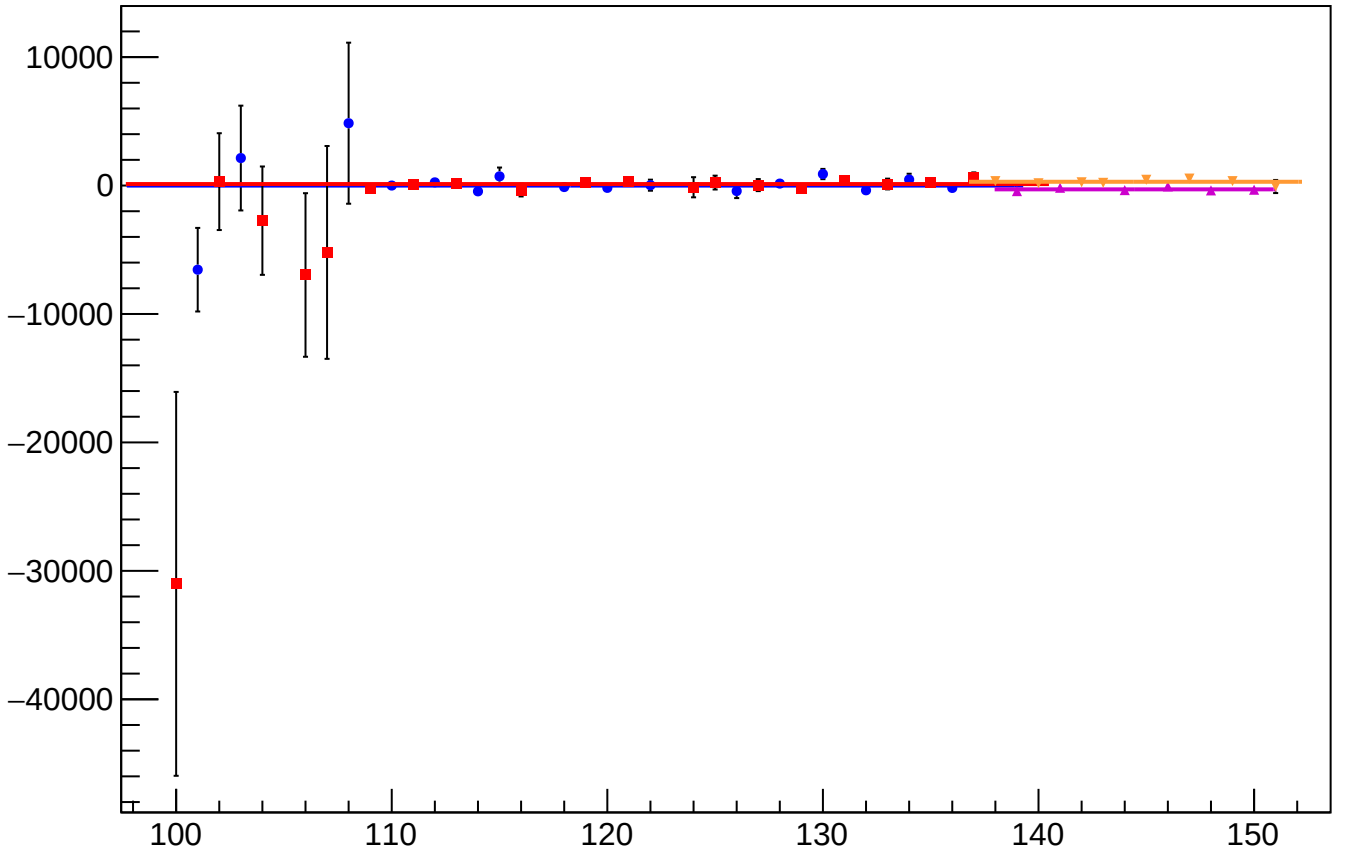
Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 29.422+/-0.009 χ^2/NDF:33748.4/5

+ sign 28.658+/-0.006 χ^2/NDF: 3313801.6/23

All: 28.594+/-0.004 χ^2/NDF: 6924610.0/48

- sign 28.523+/-0.006 χ^2/NDF: 3610558.5/24



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 293.117+/-107.686 χ^2/NDF:1.6/7

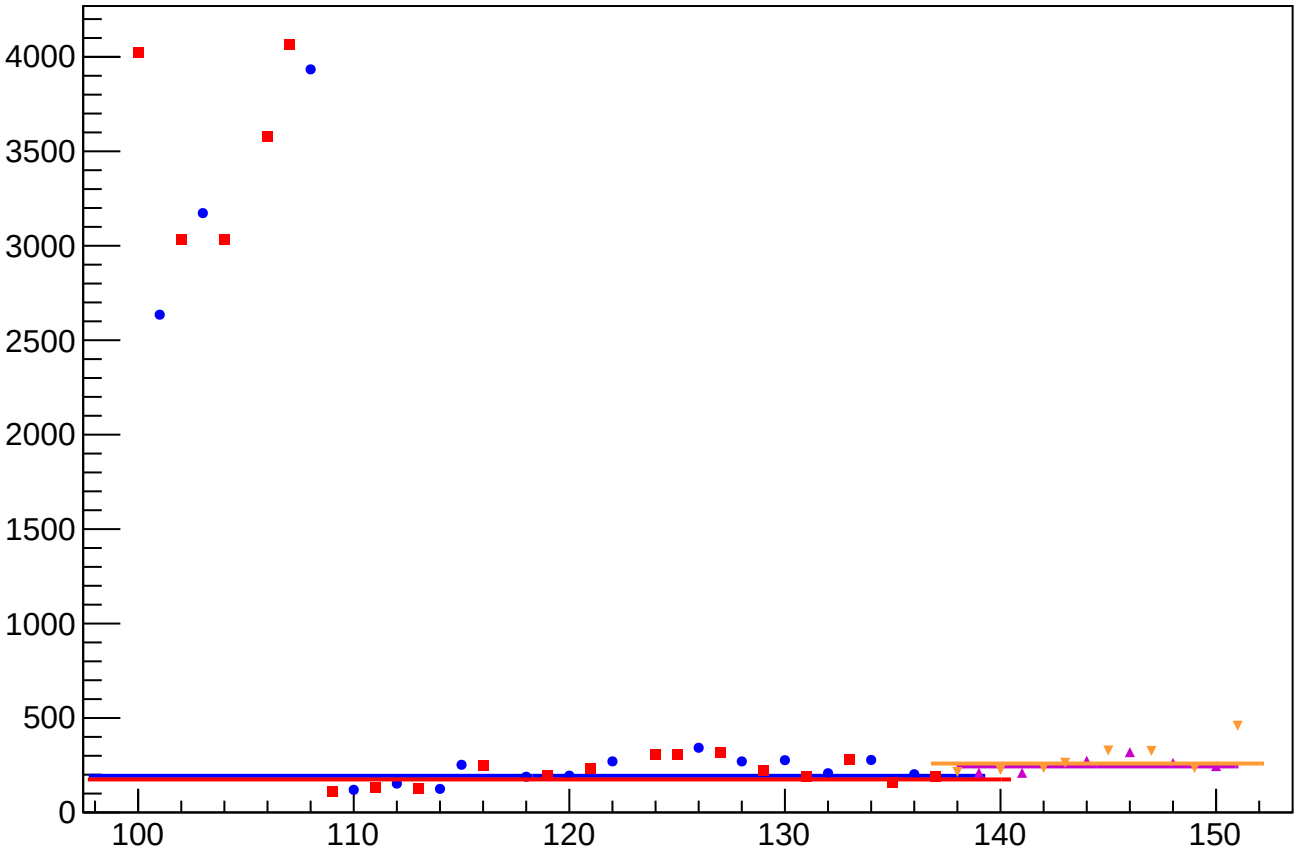
Right Out: 115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: -297.090+/-108.364 χ^2/NDF:1.2/5

+ sign 111.633+/-66.964 χ^2/NDF: 24.4/23

All: 38.764+/-46.196 χ^2/NDF: 51.2/48

- sign -27.405+/-63.812 χ^2/NDF: 24.5/24



Right In: 193.946+/-0.060 χ^2/NDF: 3784467.5/15

Left Out: 258.992+/-0.076 χ^2/NDF:578354.8/7

Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

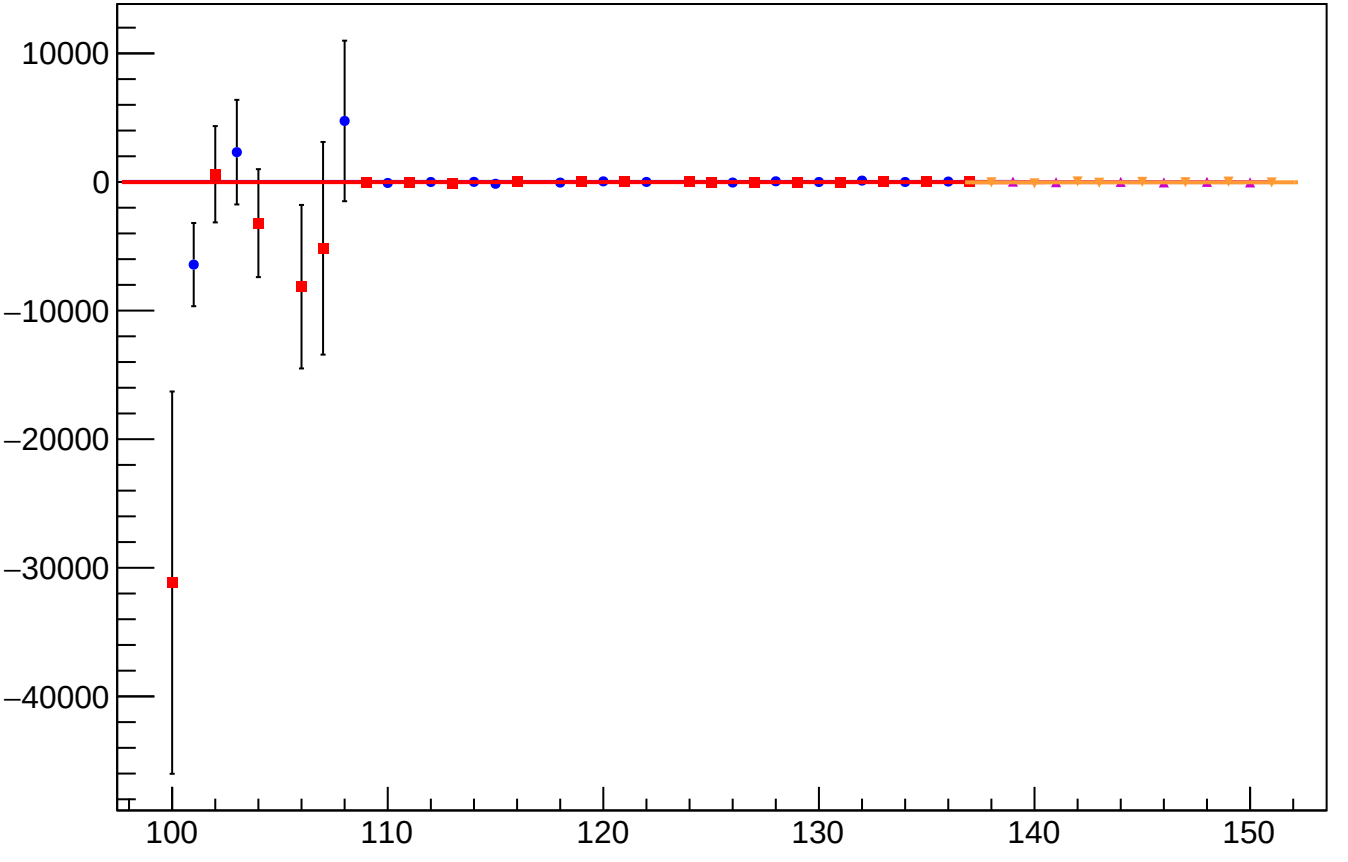
Left In: 243.725+/-0.077 χ^2/NDF:213415.5/5

+ sign 219.099+/-0.047 χ^2/NDF: 4810351.1/23

All: 208.401+/-0.033 χ^2/NDF: 9909339.6/48

- sign 198.687+/-0.045 χ^2/NDF: 5001594.9/24

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 5.660+/-14.306 χ^2/NDF: 17.5/15

Left Out: -25.254+/-14.040 χ^2/NDF:9.8/7

Right Out: -10.003+/-14.433 χ^2/NDF: 23.4/18

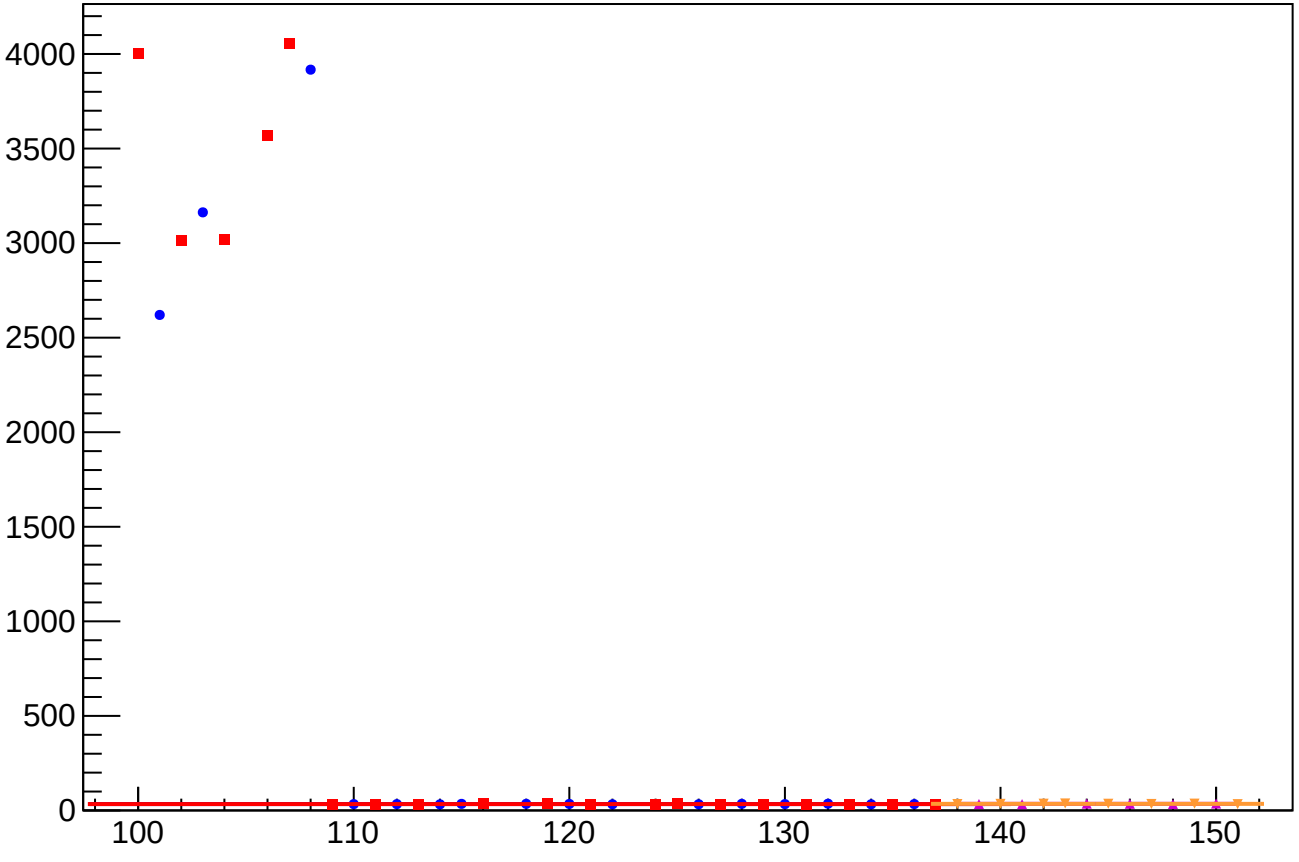
Left In: -5.103+/-15.230 χ^2/NDF:2.4/5

+ sign -10.087+/-10.020 χ^2/NDF: 29.6/23

All: -8.939+/-7.241 χ^2/NDF: 55.5/48

- sign -7.685+/-10.476 χ^2/NDF: 25.9/24

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: 34.875+/-0.010 χ^2/NDF:13019.8/7

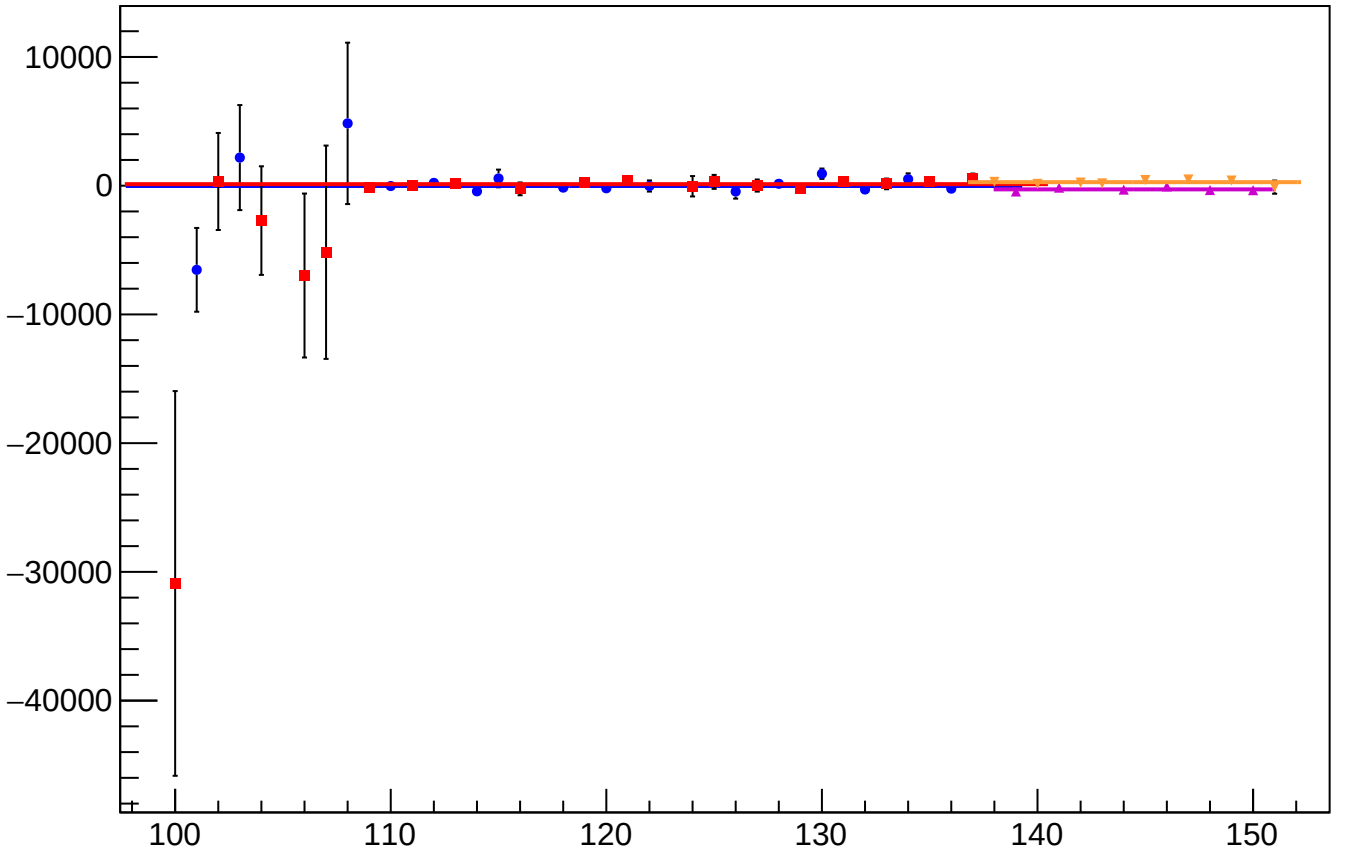
Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 34.912+/-0.011 χ^2/NDF:11821.6/5

+ sign 34.396+/-0.007 χ^2/NDF: 3262137.7/23

All: 34.344+/-0.005 χ^2/NDF: 6806929.5/48

- sign 34.287+/-0.007 χ^2/NDF: 3544679.0/24



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 275.284+/-106.918 χ^2/NDF:1.8/7

Right Out: 119.922+/-78.455 χ^2/NDF: 13.3/18

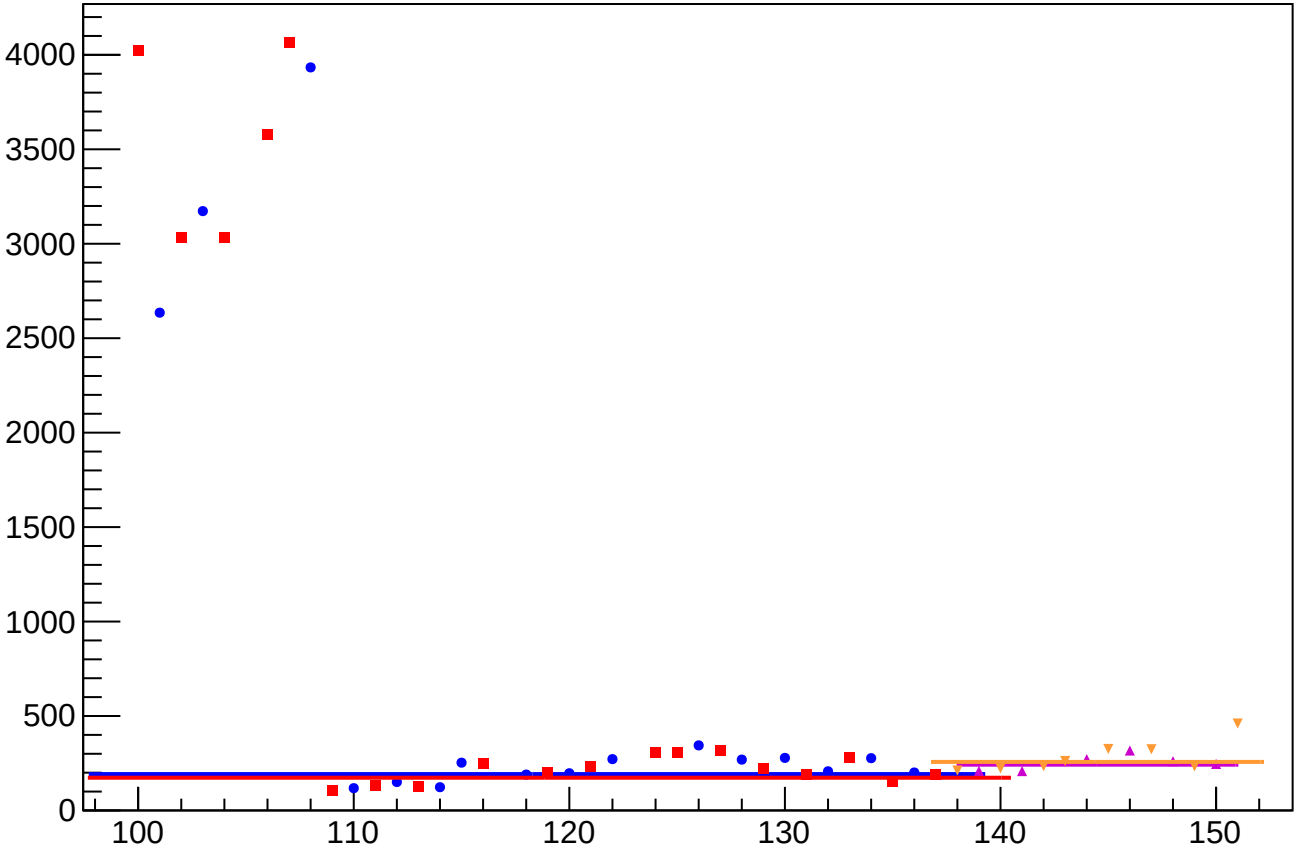
Left In: -285.496+/-107.757 χ^2/NDF:1.4/5

+ sign 94.750+/-66.566 χ^2/NDF: 24.6/23

All: 34.325+/-45.919 χ^2/NDF: 50.1/48

- sign -20.533+/-63.425 χ^2/NDF: 23.9/24

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: 256.976+/-0.076 χ^2/NDF:591333.7/7

Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

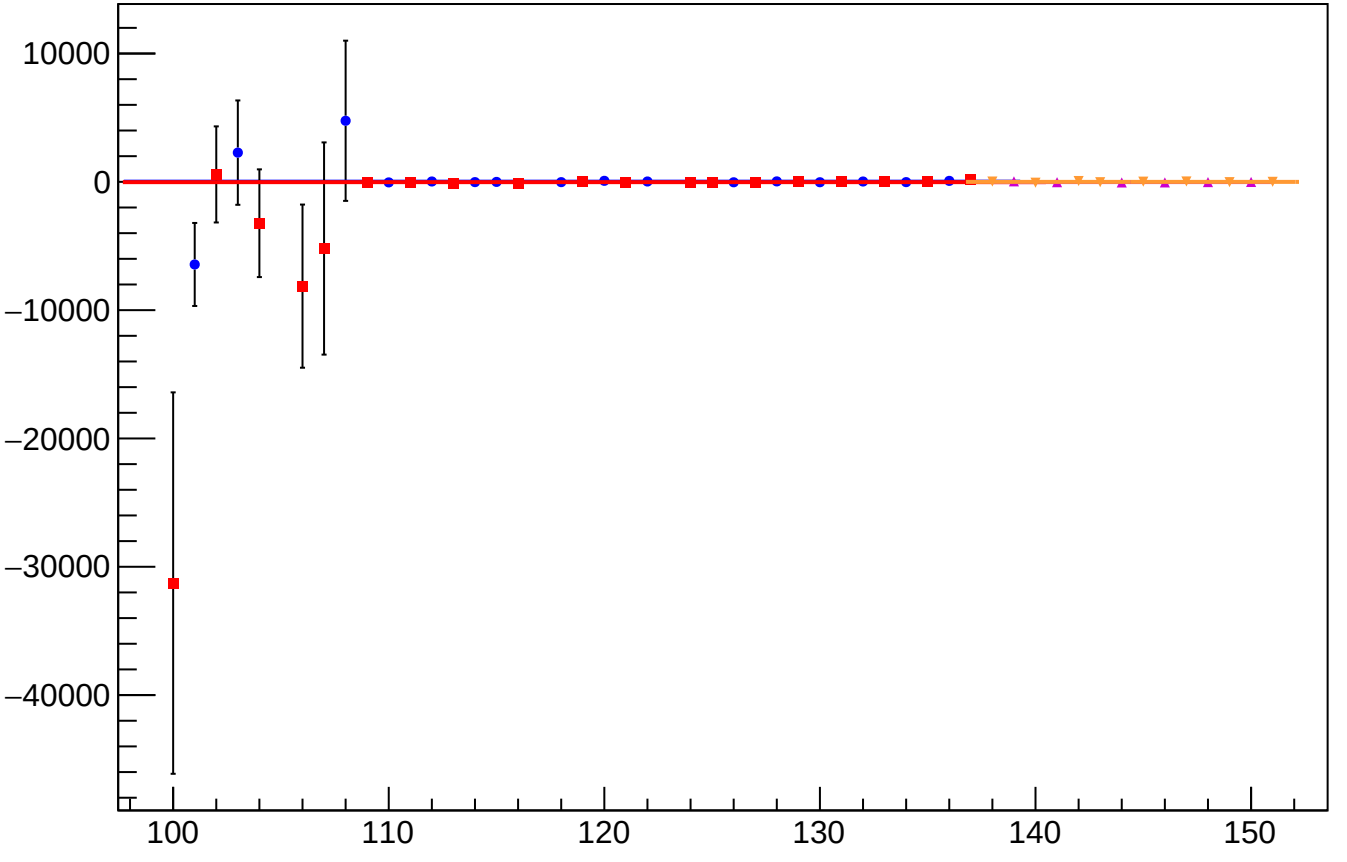
Left In: 242.307+/-0.076 χ^2/NDF:215156.2/5

+ sign 217.529+/-0.047 χ^2/NDF: 4858689.2/23

All: 206.860+/-0.032 χ^2/NDF: 10016137.7/48

- sign 197.174+/-0.045 χ^2/NDF: 5059427.8/24

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -3.050+/-12.951 χ^2/NDF:7.8/7

Right Out: -23.230+/-13.181 χ^2/NDF: 28.7/18

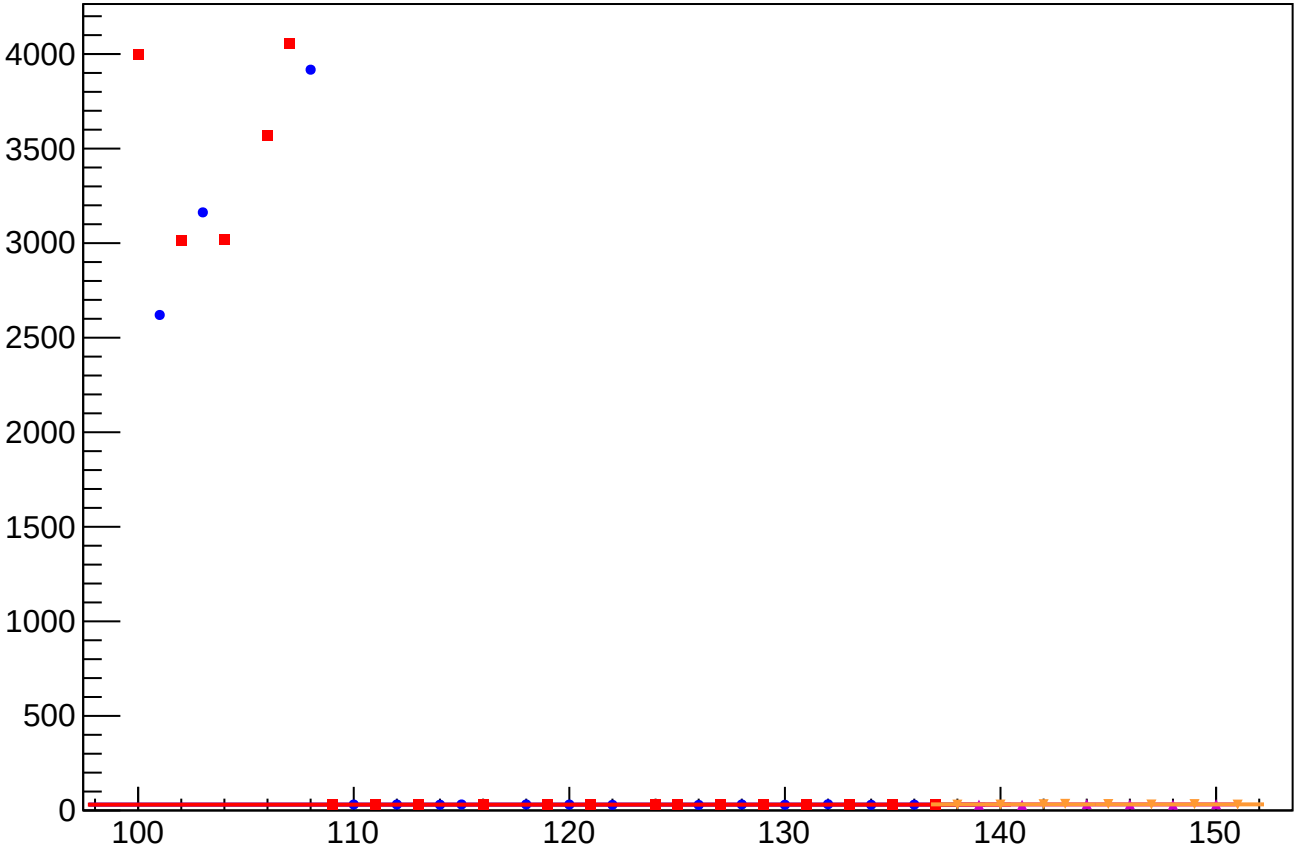
Left In: -17.032+/-13.920 χ^2/NDF:4.4/5

+ sign 5.260+/-9.197 χ^2/NDF: 24.1/23

All: -7.011+/-6.631 χ^2/NDF: 61.0/48

- sign -20.300+/-9.571 χ^2/NDF: 33.2/24

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: 32.127+/-0.009 χ^2/NDF:24971.7/7

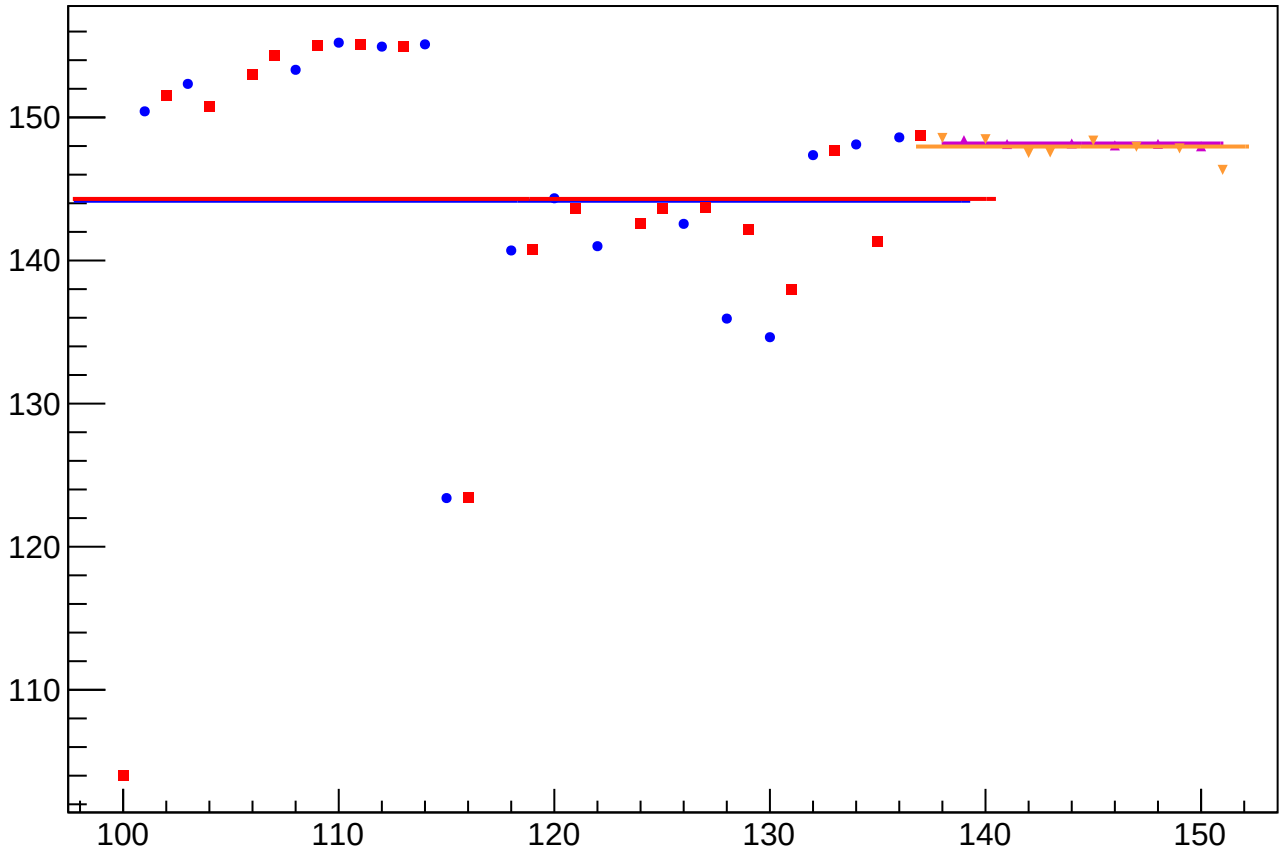
Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 31.886+/-0.010 χ^2/NDF:22049.5/5

+ sign 31.533+/-0.007 χ^2/NDF: 3286075.2/23

All: 31.422+/-0.005 χ^2/NDF: 6851662.5/48

- sign 31.301+/-0.007 χ^2/NDF: 3564978.1/24



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.965+/-0.000 χ^2/NDF:18288178.3/7

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

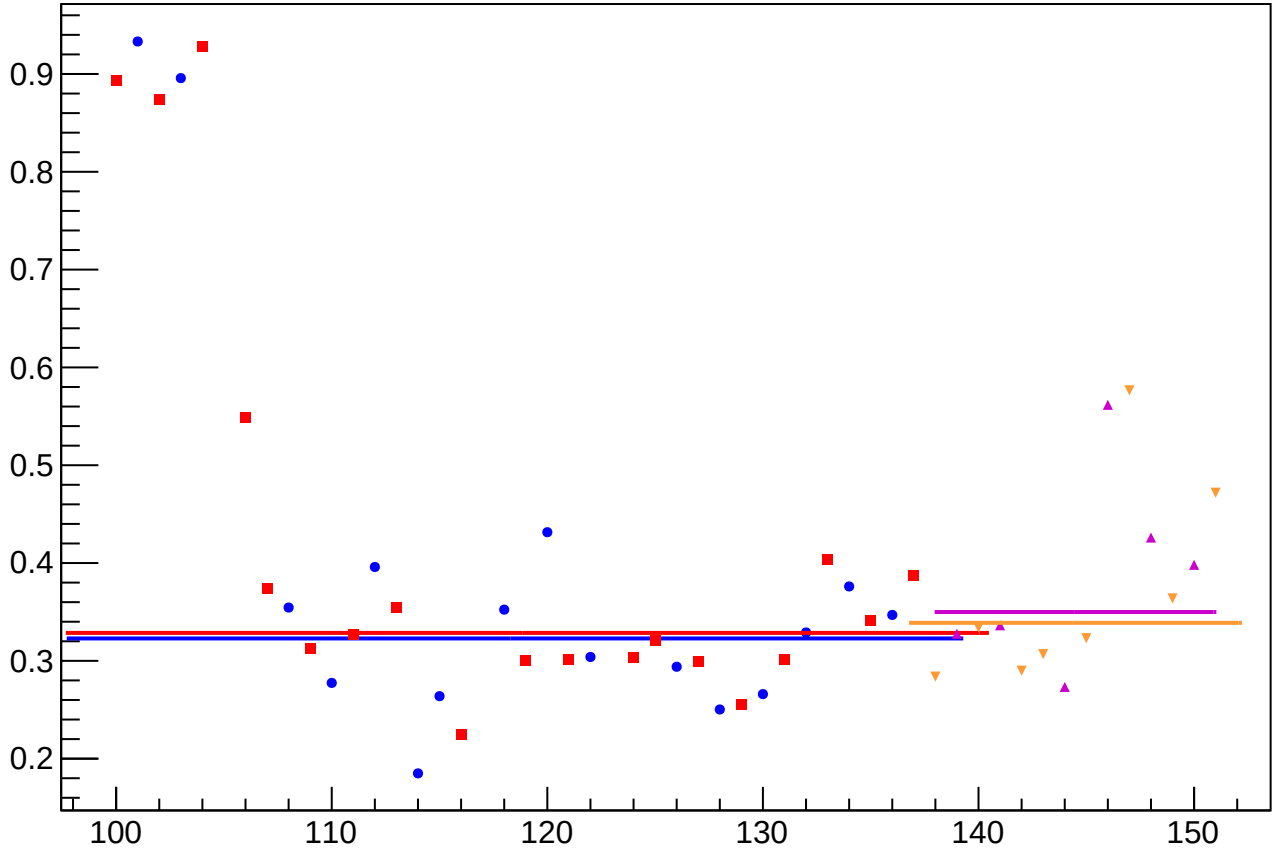
Left In: 148.177+/-0.000 χ^2/NDF:683350.9/5

+ sign 145.927+/-0.000 χ^2/NDF: 4121722736.4/23

All: 145.910+/-0.000 χ^2/NDF: 8733842901.5

- sign 145.891+/-0.000 χ^2/NDF: 4612053550.3/24

yield_bcm_target_rms vs Slug



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.339+/-0.000 χ^2/NDF:493448.5/7

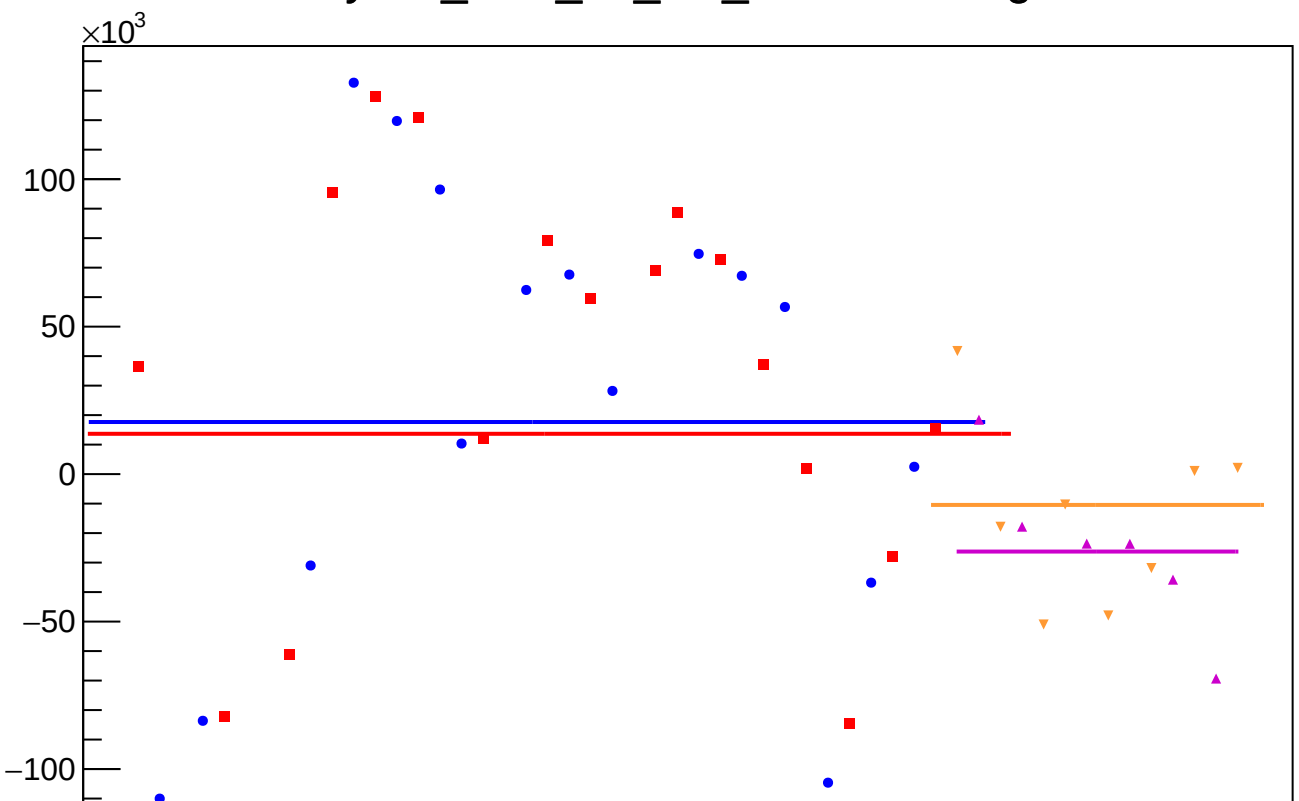
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.350+/-0.000 χ^2/NDF:461199.6/5

+ sign 0.330+/-0.000 χ^2/NDF: 1902947.0/23

All: 0.334+/-0.000 χ^2/NDF: 3694364.8/48

- sign 0.337+/-0.000 χ^2/NDF: 1786433.4/24



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: -10447.498+/-2.047 χ^2/NDF:192009994.5/7

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

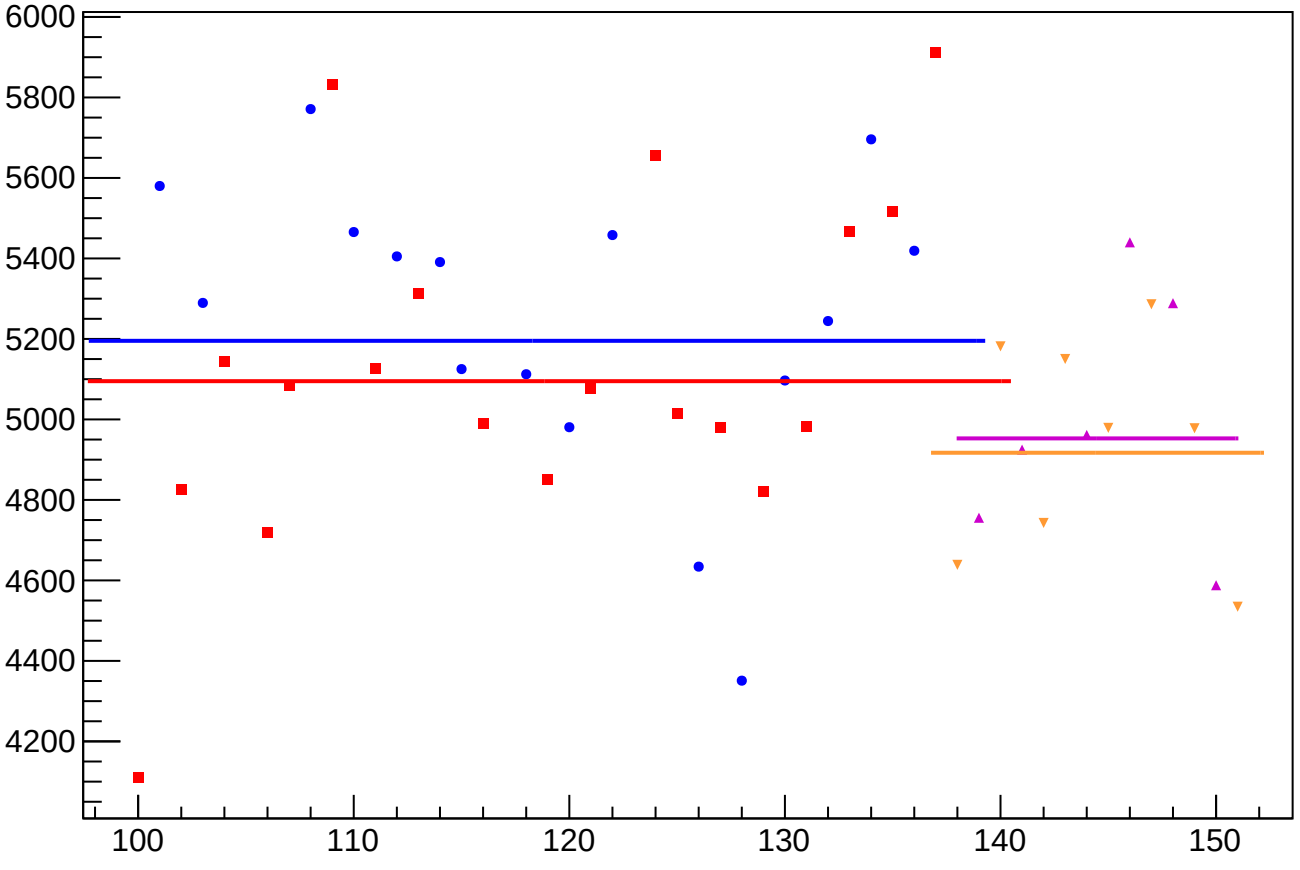
Left In: -26259.815+/-2.248 χ^2/NDF:151907924.7/5

+ sign 3896.209+/-1.433 χ^2/NDF: 1686972405.5/23

All: 407.045+/-1.023 χ^2/NDF: 3889986502.5

- sign -3227.056+/-1.462 χ^2/NDF: 2190903558.5/24

yield_bcm_an_diff_rms vs Slug



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4917.193+/-1.447 χ^2/NDF:33073.8/7

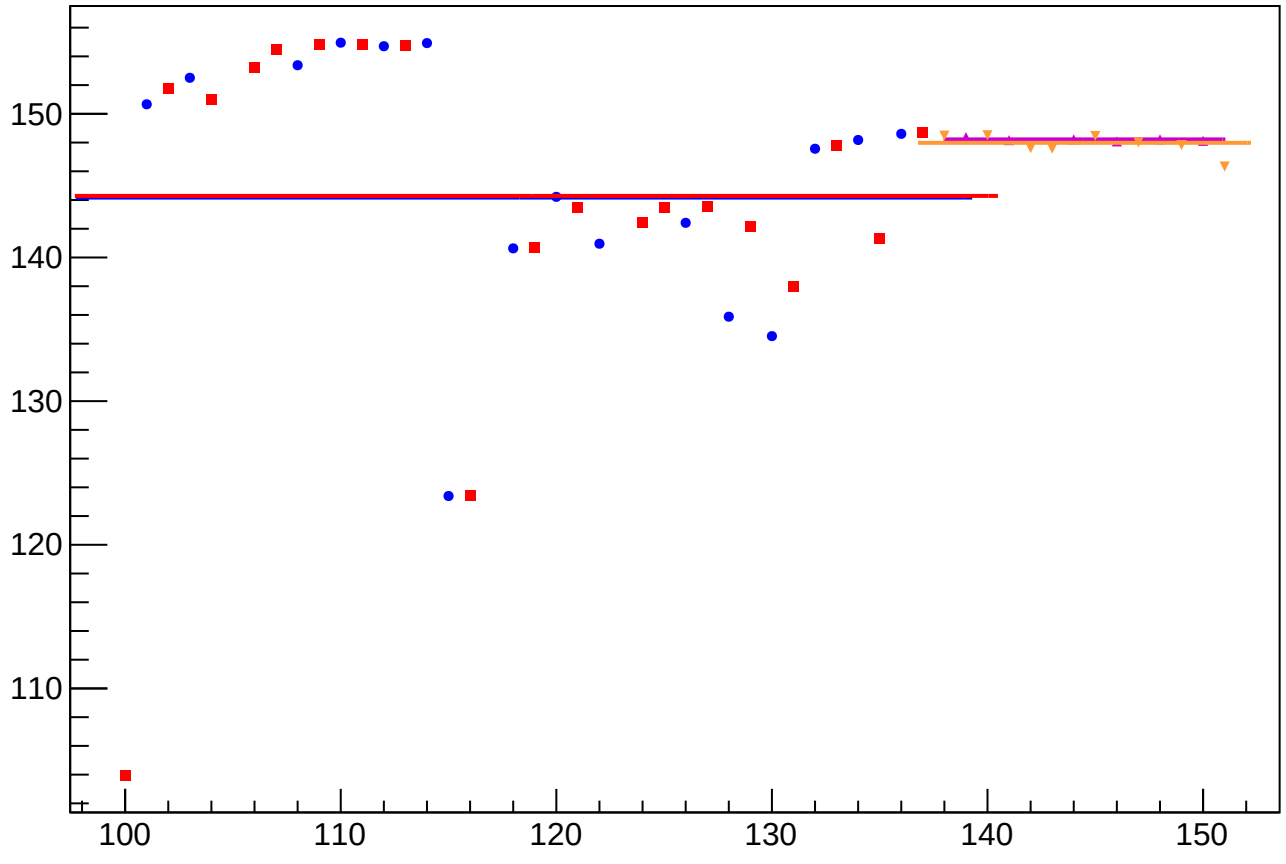
Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4952.841+/-1.589 χ^2/NDF:32804.7/5

+ sign 5059.096+/-1.013 χ^2/NDF: 129074.9/23

All: 5047.233+/-0.724 χ^2/NDF: 225890.1/48

- sign 5034.878+/-1.034 χ^2/NDF: 96535.2/24



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 147.983+/-0.000 χ^2/NDF:17755765.7/7

Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

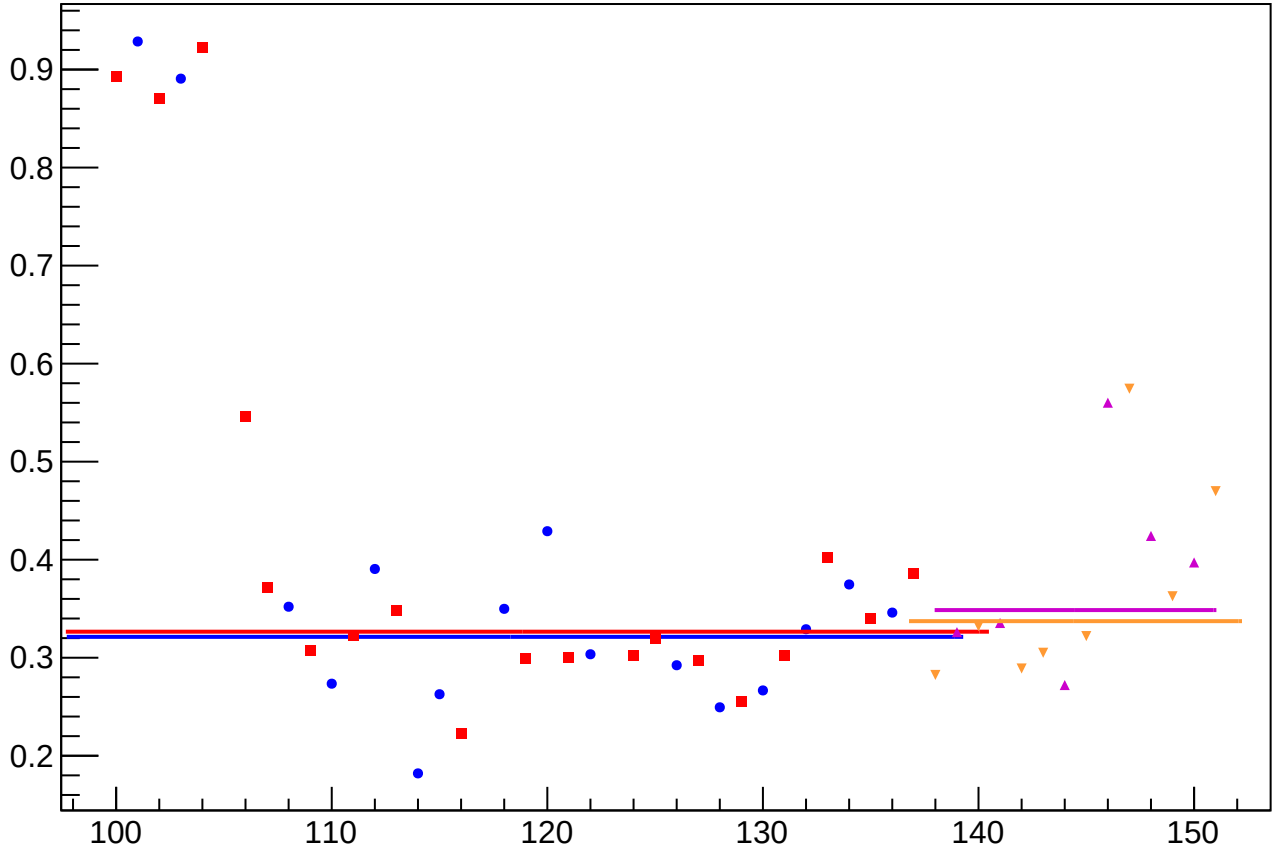
Left In: 148.220+/-0.000 χ^2/NDF:318395.5/5

+ sign 145.932+/-0.000 χ^2/NDF: 4169362578.5/23

All: 145.914+/-0.000 χ^2/NDF: 8821133407.8

- sign 145.893+/-0.000 χ^2/NDF: 4651693908.5/24

yield_bcm_an_ds_rms vs Slug



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.337+/-0.000 χ^2/NDF:494922.5/7

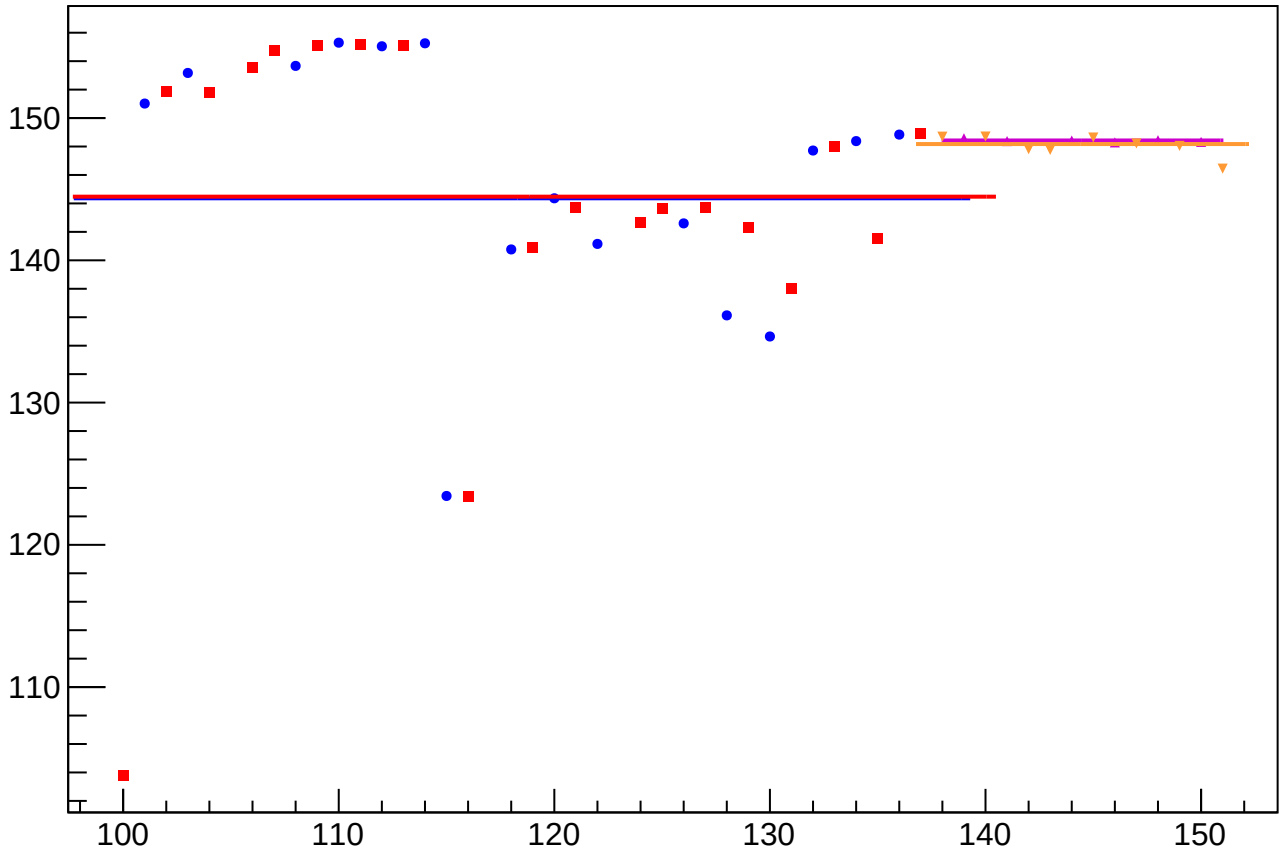
Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.349+/-0.000 χ^2/NDF:462673.4/5

+ sign 0.329+/-0.000 χ^2/NDF: 1904827.5/23

All: 0.332+/-0.000 χ^2/NDF: 3697722.9/48

- sign 0.336+/-0.000 χ^2/NDF: 1788091.0/24



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.173+/-0.000 χ^2/NDF:18552086.8/7

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

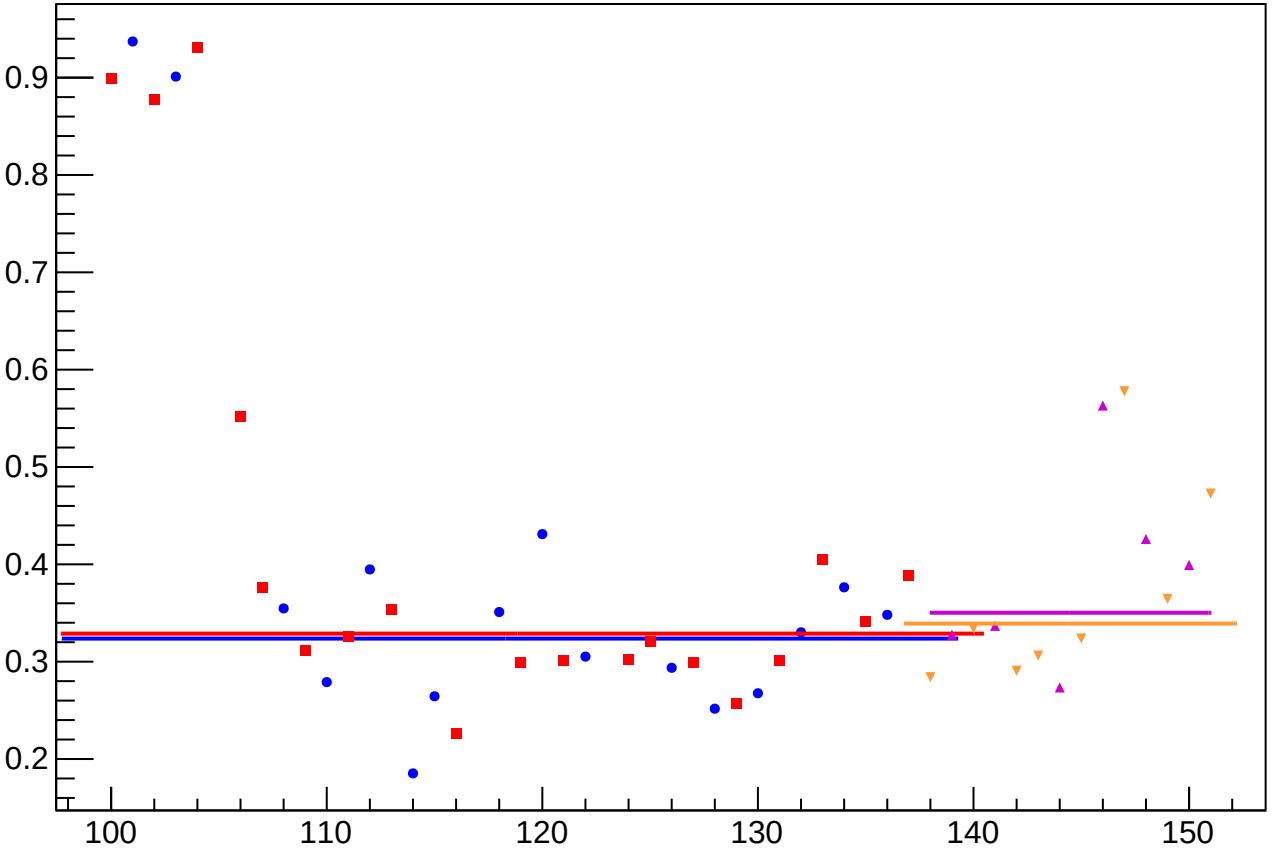
Left In: 148.425+/-0.000 χ^2/NDF:303119.8/5

+ sign 146.125+/-0.000 χ^2/NDF: 4159354624.3/23

All: 146.110+/-0.000 χ^2/NDF: 8801816841.6

- sign 146.092+/-0.000 χ^2/NDF: 4642406757.6/24

yield_bcm_an_ds3_rms vs Slug



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.339+/-0.000 χ^2/NDF:495584.2/7

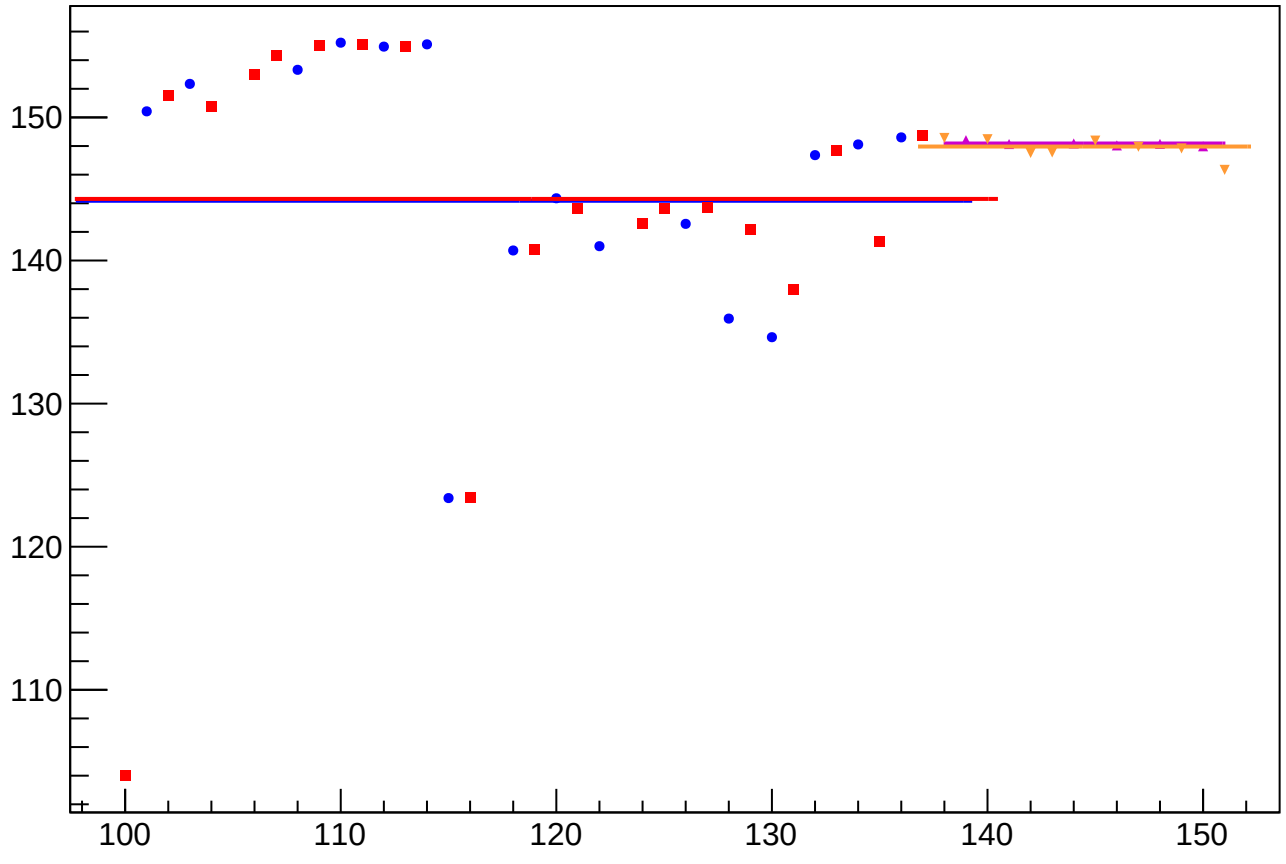
Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.350+/-0.000 χ^2/NDF:462825.6/5

+ sign 0.331+/-0.000 χ^2/NDF: 1900460.0/23

All: 0.334+/-0.000 χ^2/NDF: 3692315.0/48

- sign 0.338+/-0.000 χ^2/NDF: 1787279.0/24



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.965+/-0.000 χ^2/NDF:18288178.3/7

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

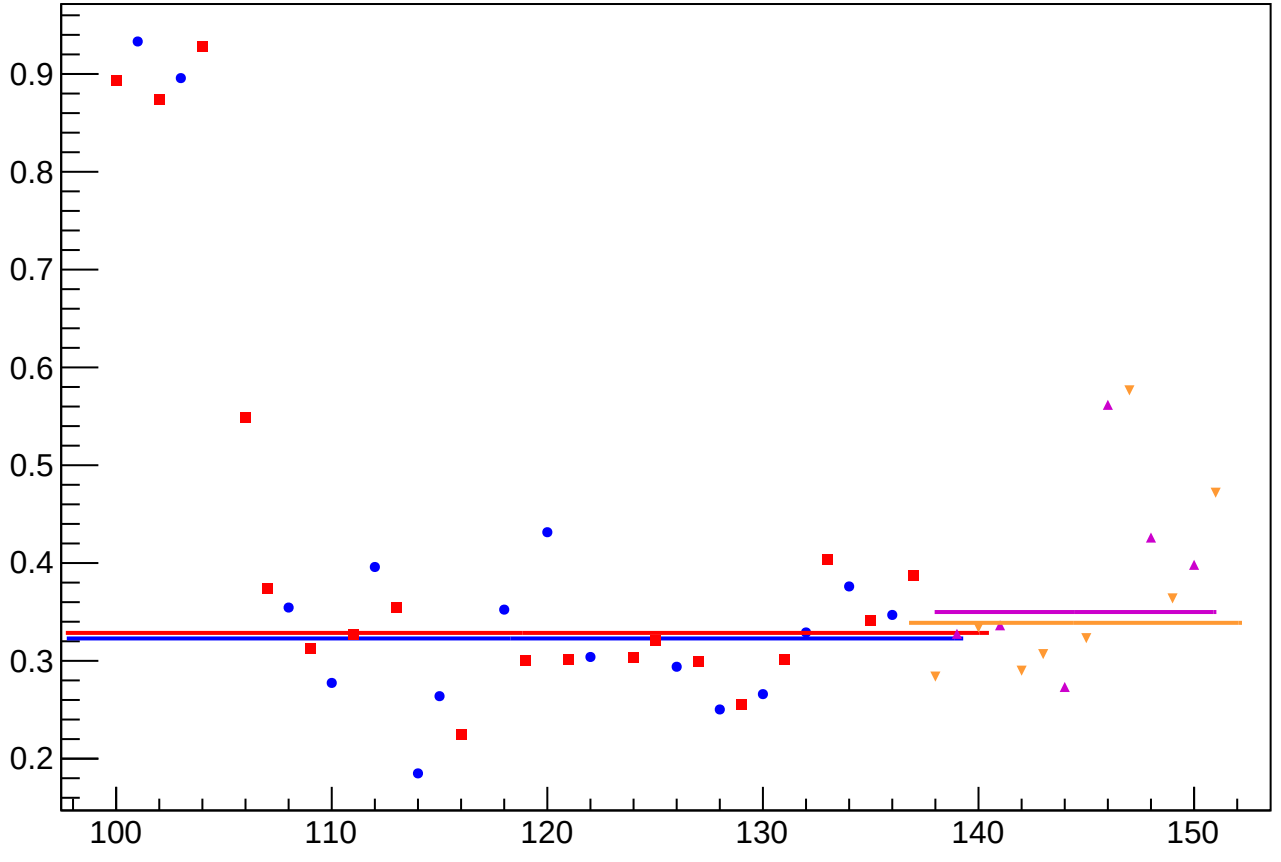
Left In: 148.177+/-0.000 χ^2/NDF:683350.9/5

+ sign 145.927+/-0.000 χ^2/NDF: 4121722736.4/23

All: 145.910+/-0.000 χ^2/NDF: 8733842901.5

- sign 145.891+/-0.000 χ^2/NDF: 4612053550.3/24

yield_bcm_an_us_rms vs Slug



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.339+/-0.000 χ^2/NDF:493448.5/7

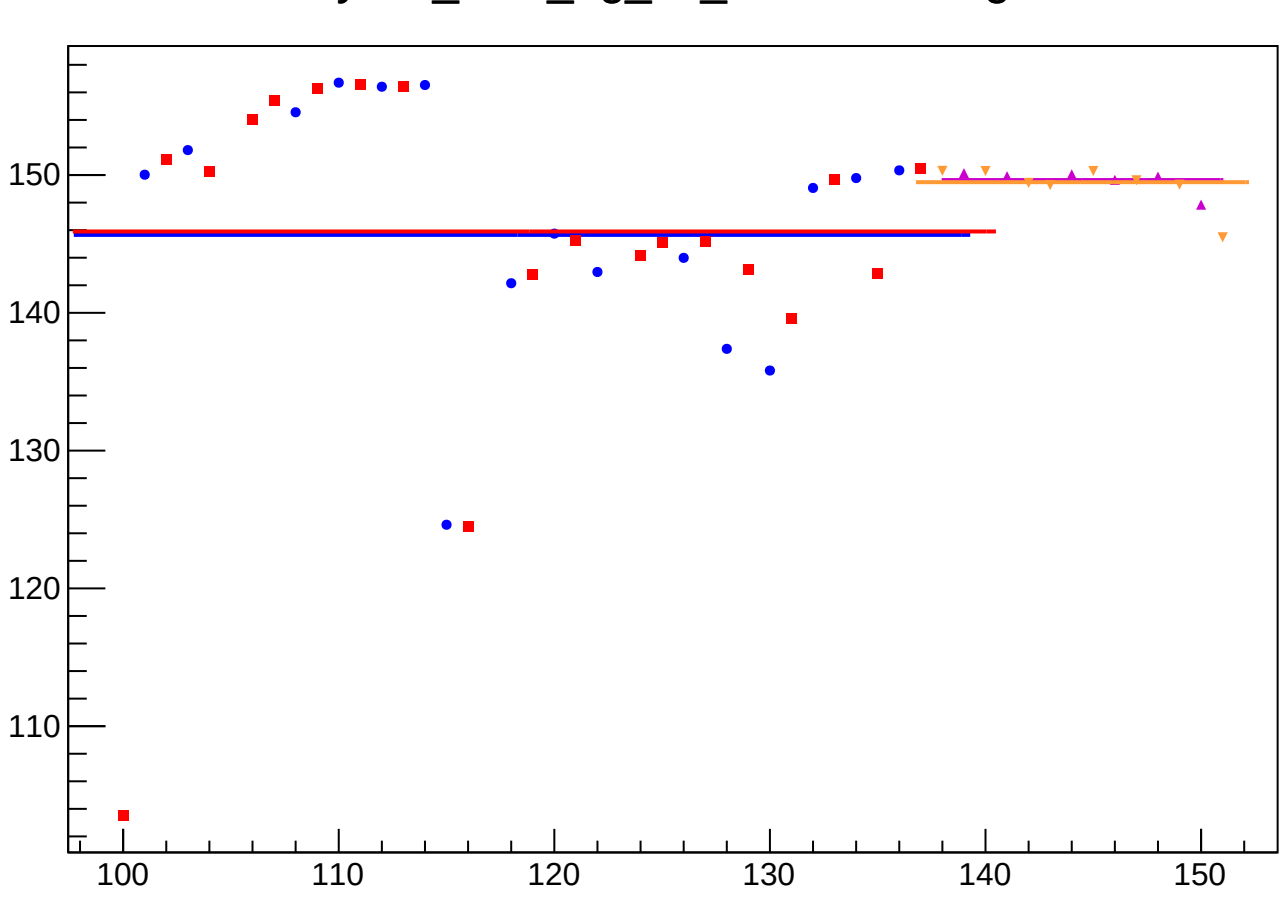
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.350+/-0.000 χ^2/NDF:461199.6/5

+ sign 0.330+/-0.000 χ^2/NDF: 1902947.0/23

All: 0.334+/-0.000 χ^2/NDF: 3694364.8/48

- sign 0.337+/-0.000 χ^2/NDF: 1786433.4/24



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 149.481+/-0.000 χ^2/NDF:70208291.2/7

Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

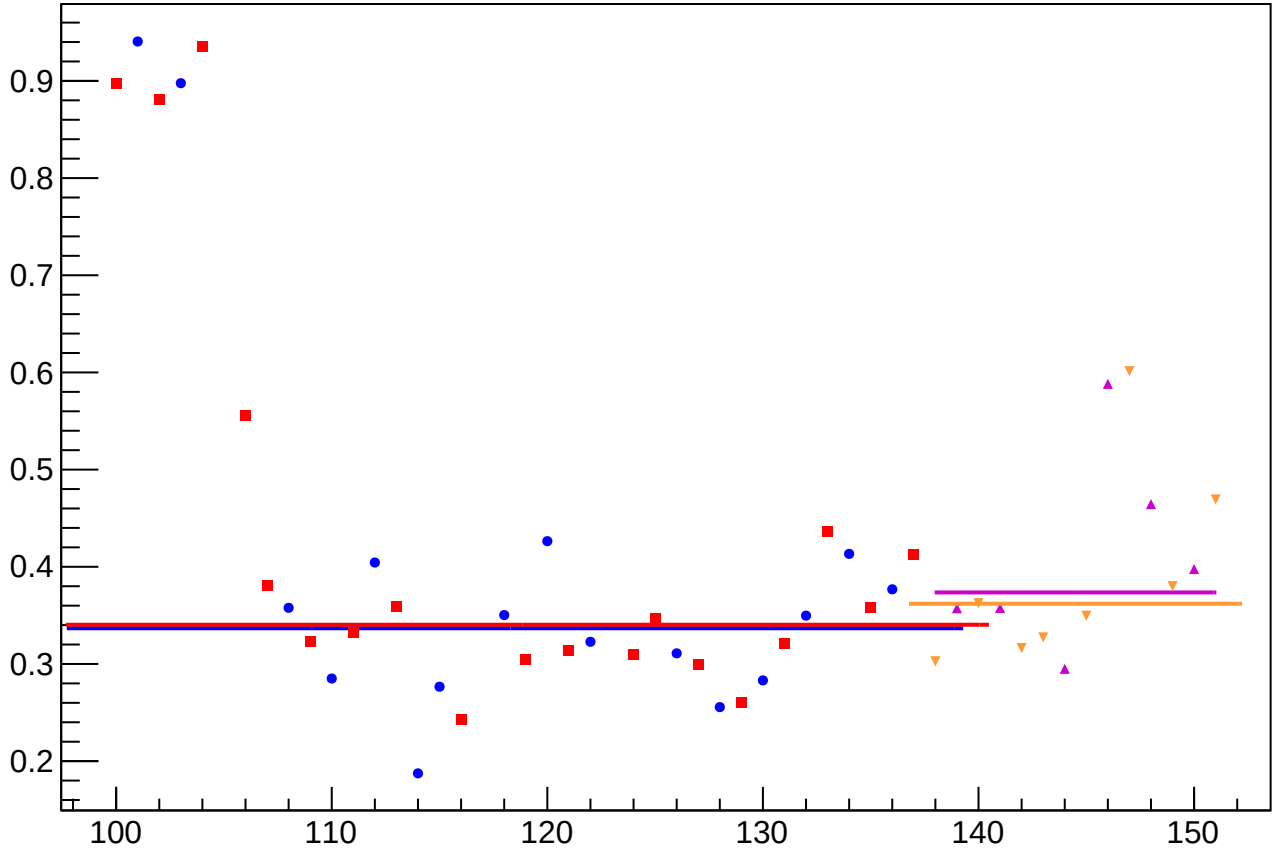
Left In: 149.636+/-0.000 χ^2/NDF:21937505.9/5

+ sign 147.378+/-0.000 χ^2/NDF: 3896903269.6/23

All: 147.380+/-0.000 χ^2/NDF: 8071915017.7

- sign 147.383+/-0.000 χ^2/NDF: 4175010636.3/24

yield_bcm_dg_us_rms vs Slug



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.362+/-0.000 χ^2/NDF:420783.1/7

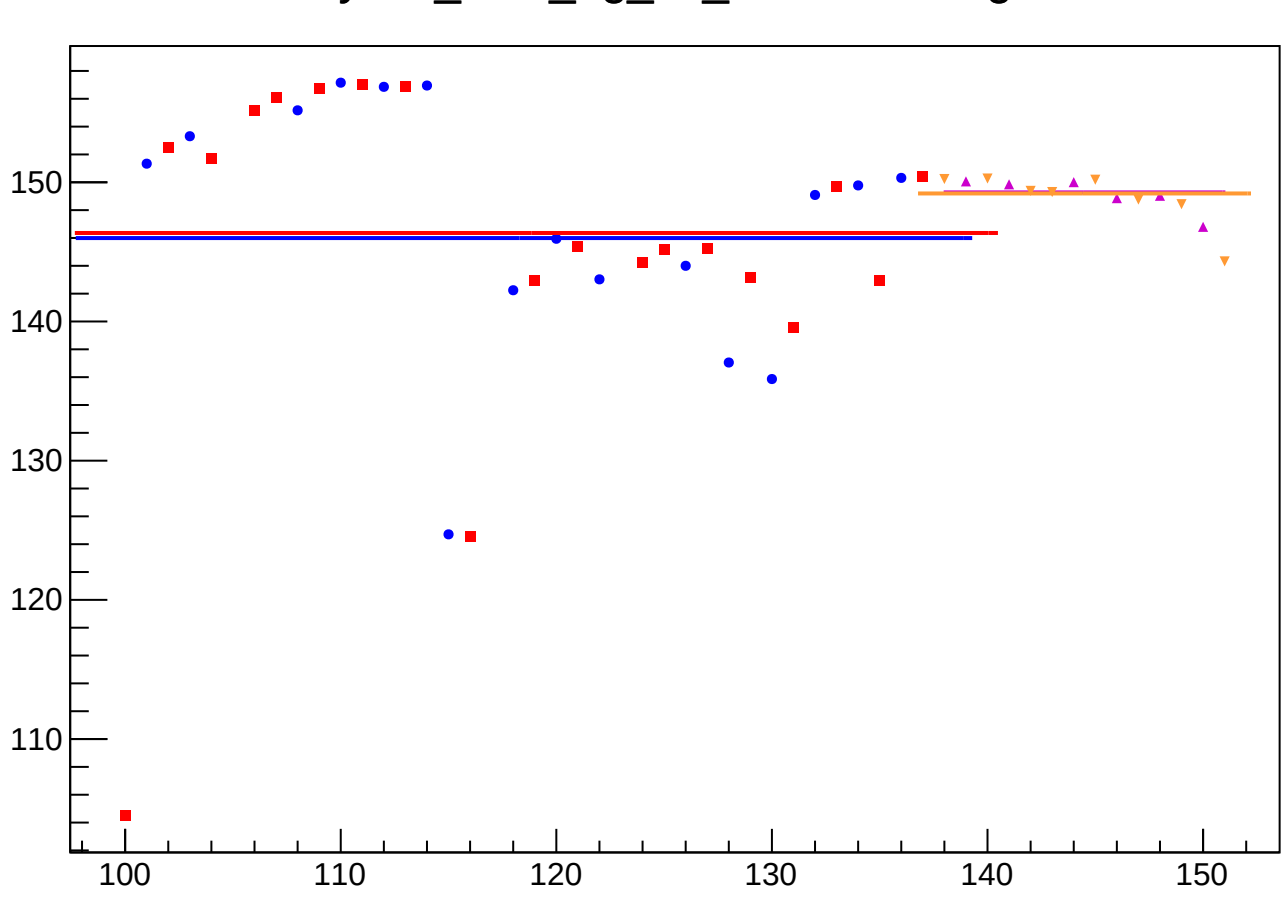
Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.374+/-0.000 χ^2/NDF:418589.2/5

+ sign 0.348+/-0.000 χ^2/NDF: 1821411.2/23

All: 0.351+/-0.000 χ^2/NDF: 3563362.3/48

- sign 0.354+/-0.000 χ^2/NDF: 1739267.6/24



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 149.197+/-0.000 χ^2/NDF:109284525.2/7

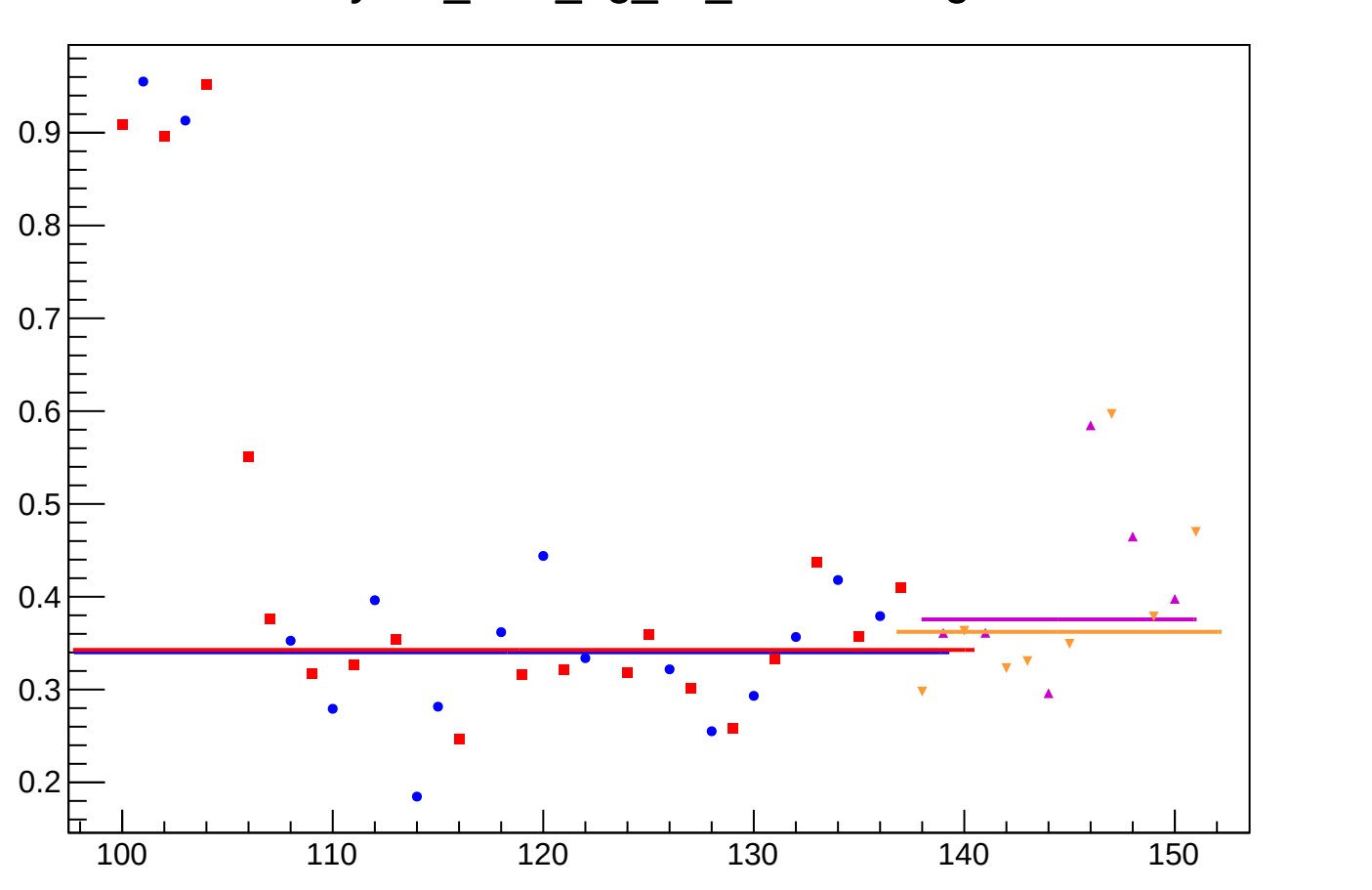
Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

Left In: 149.275+/-0.000 χ^2/NDF:46390761.7/5

+ sign 147.450+/-0.000 χ^2/NDF: 3970176888.6/23

All: 147.482+/-0.000 χ^2/NDF: 8154651681.0

- sign 147.517+/-0.000 χ^2/NDF: 4184276093.3/24



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.362+/-0.000 χ^2/NDF:418165.7/7

Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

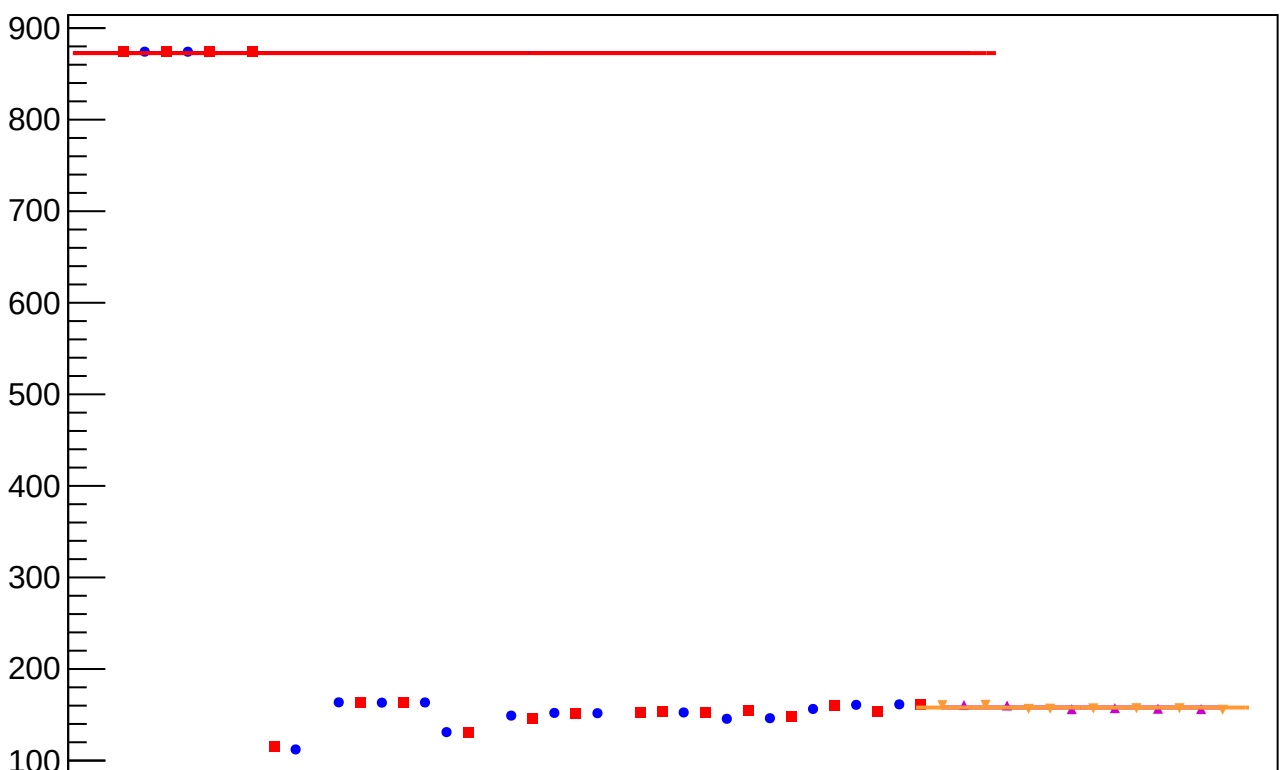
Left In: 0.376+/-0.000 χ^2/NDF:405871.2/5

+ sign 0.350+/-0.000 χ^2/NDF: 1833974.7/23

All: 0.353+/-0.000 χ^2/NDF: 3557857.8/48

- sign 0.356+/-0.000 χ^2/NDF: 1721062.2/24

yield_cav4bQ_mean vs Slug



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 157.896+/-0.000 χ^2/NDF:40402732.8/7

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

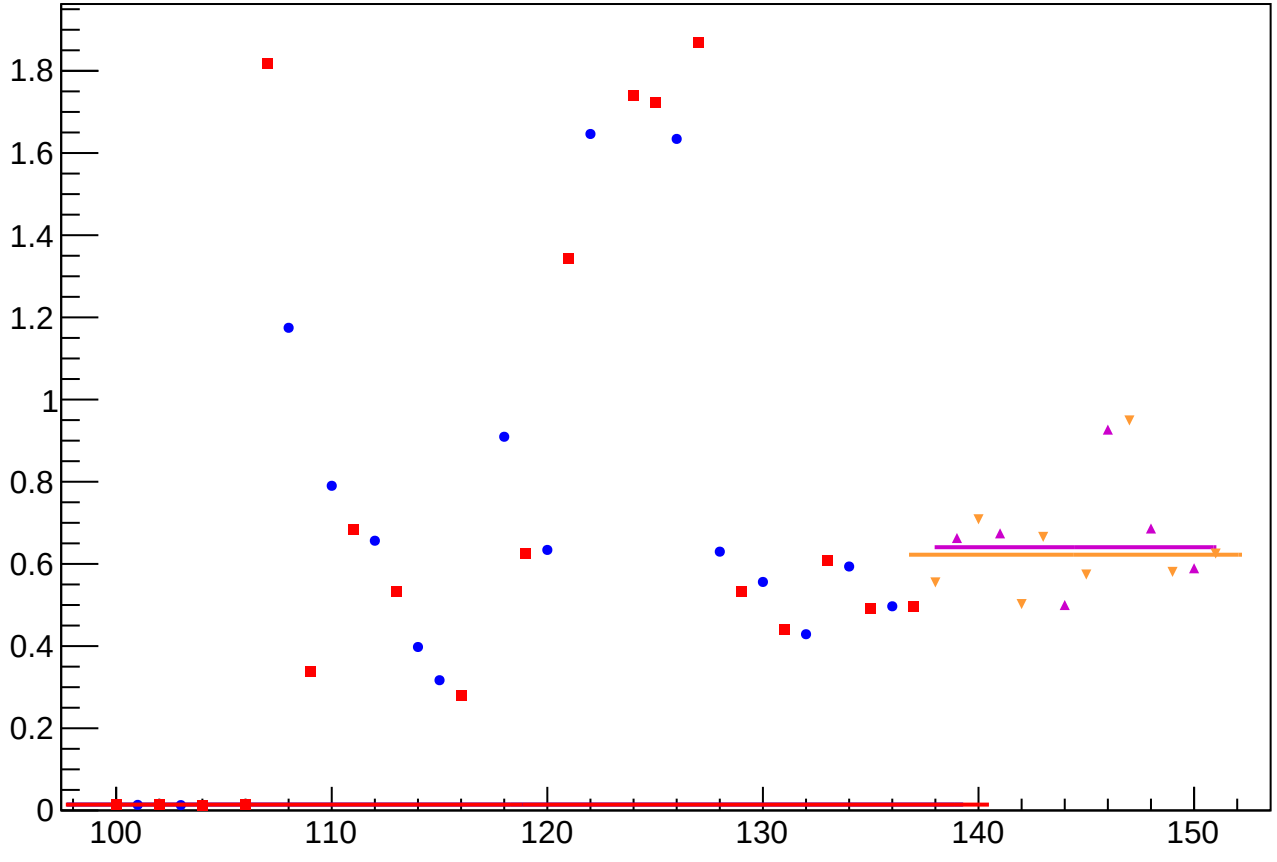
Left In: 157.973+/-0.000 χ^2/NDF:31642997.8/5

+ sign 871.785+/-0.000 χ^2/NDF: 12471528659006.

All: 871.880+/-0.000 χ^2/NDF: 25822937472

- sign 871.963+/-0.000 χ^2/NDF: 13351288727045.

yield_cav4bQ_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.622+/-0.000 χ^2/NDF:211137.1/7

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

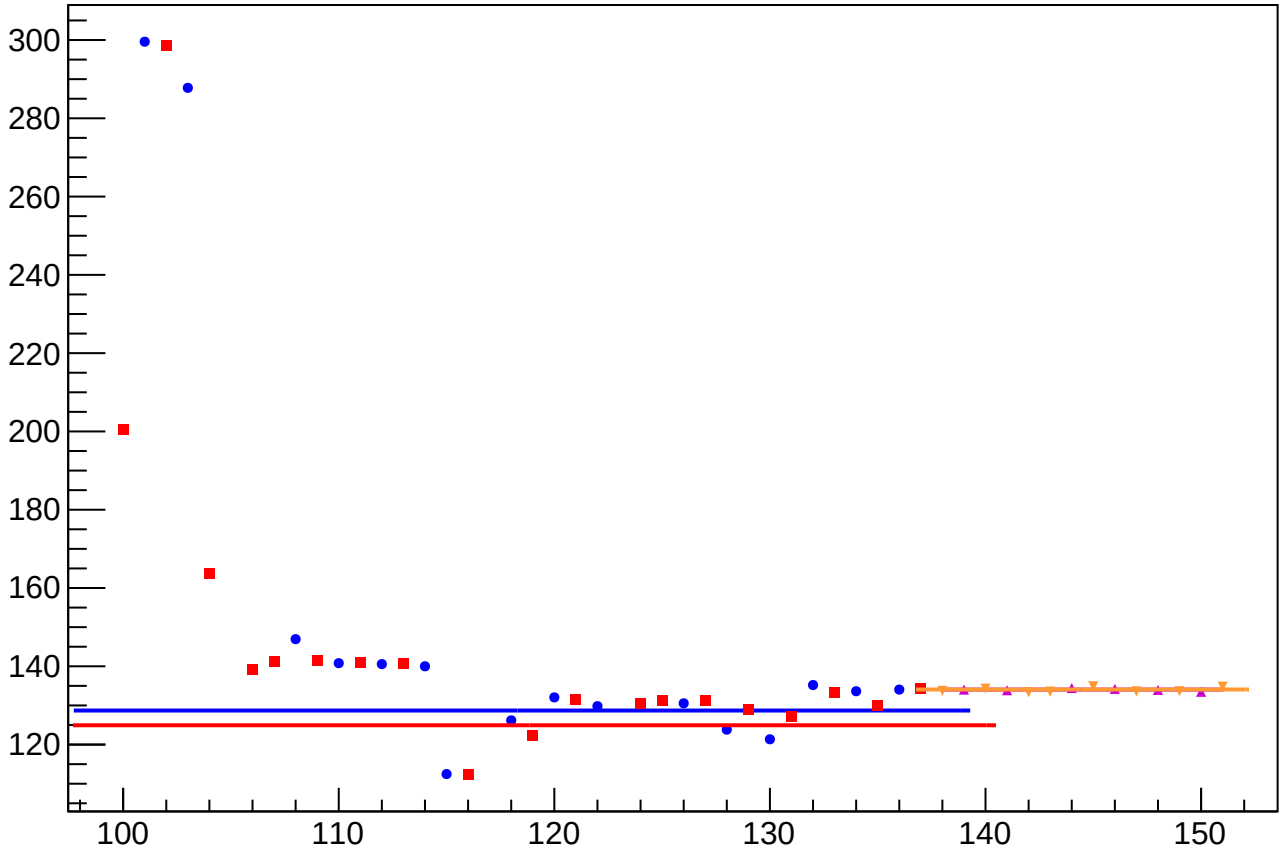
Left In: 0.641+/-0.000 χ^2/NDF:200386.4/5

+ sign 0.015+/-0.000 χ^2/NDF: 17471427.2/23

All: 0.015+/-0.000 χ^2/NDF: 33511334.7/48

- sign 0.015+/-0.000 χ^2/NDF: 16038700.5/24

yield_cav4cQ_mean vs Slug



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 134.068+/-0.000 χ^2/NDF:8801748.5/7

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

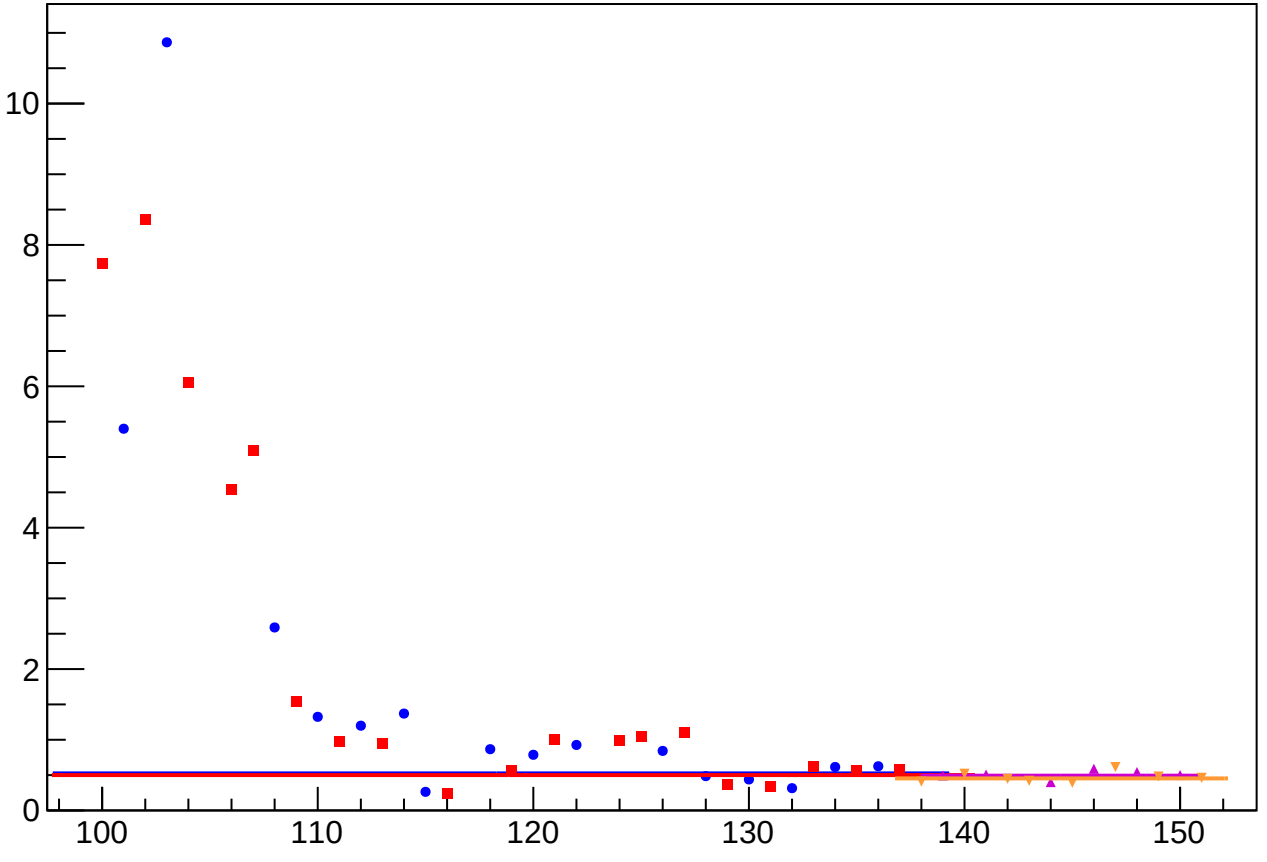
Left In: 134.050+/-0.000 χ^2/NDF:2021763.5/5

+ sign 132.156+/-0.000 χ^2/NDF: 1912871546.0/23

All: 131.165+/-0.000 χ^2/NDF: 4038968214.8

- sign 129.981+/-0.000 χ^2/NDF: 2045223528.8/24

yield_cav4cQ_rms vs Slug



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.453+/-0.000 χ^2/NDF:180849.2/7

Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

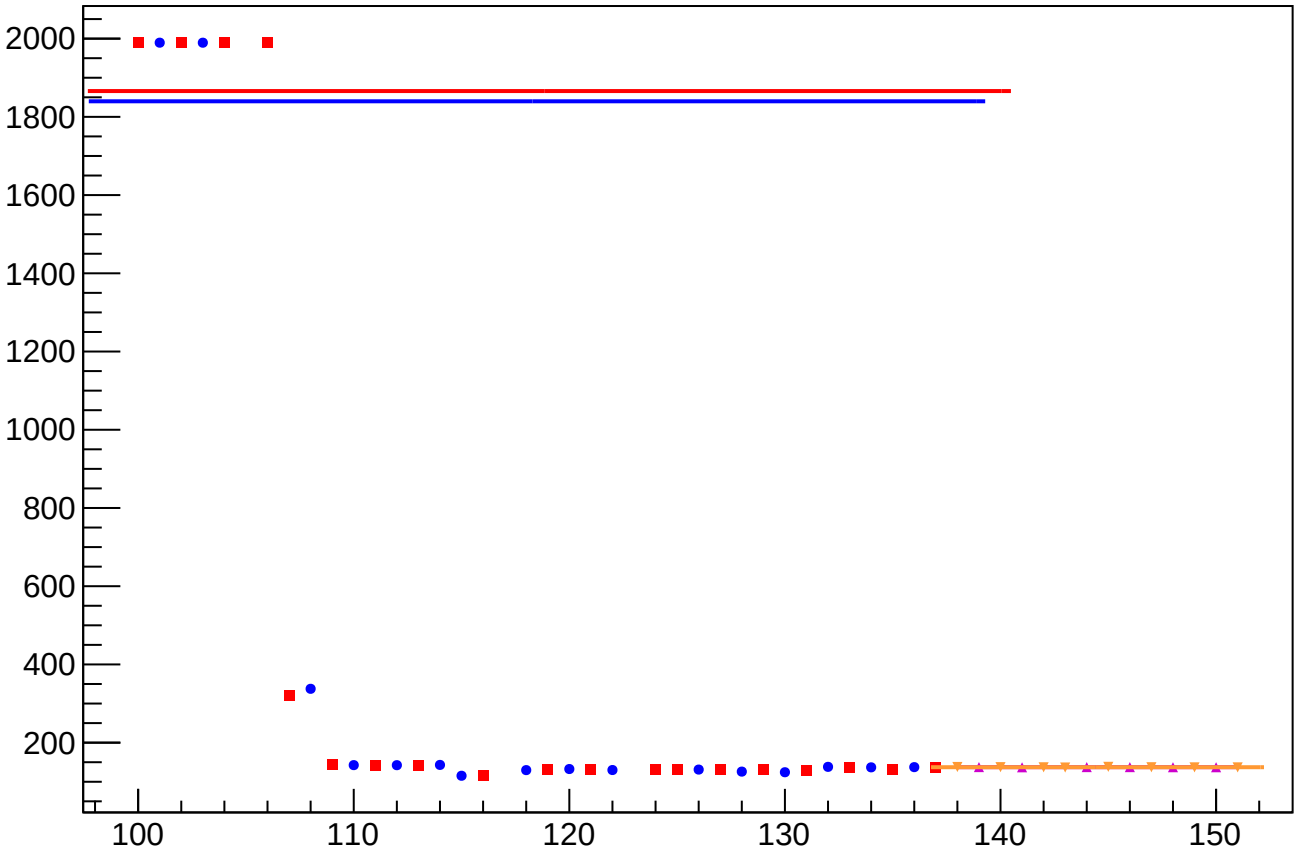
Left In: 0.492+/-0.000 χ^2/NDF:142084.8/5

+ sign 0.479+/-0.000 χ^2/NDF: 4405061.3/23

All: 0.486+/-0.000 χ^2/NDF: 9442479.8/48

- sign 0.496+/-0.000 χ^2/NDF: 5027401.8/24

yield_cav4dQ_mean vs Slug



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.223+/-0.000 χ^2/NDF:14936468.2/7

Right Out: 1865.968+/-0.000 χ^2/NDF: 142769122276045.8/18

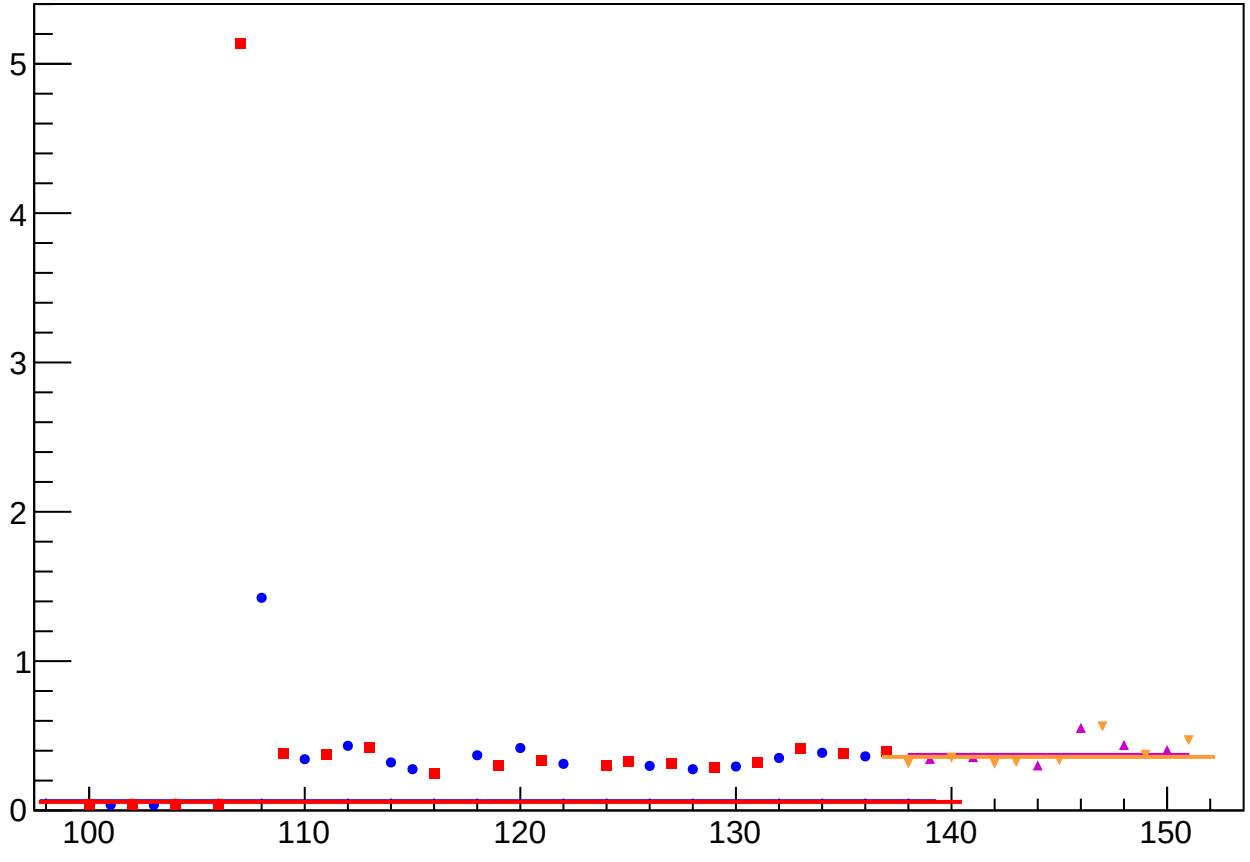
Left In: 137.363+/-0.000 χ^2/NDF:1633226.1/5

+ sign 1716.415+/-0.000 χ^2/NDF: 2657074136947

All: 1749.676+/-0.000 χ^2/NDF: 5100503797

- sign 1778.839+/-0.000 χ^2/NDF: 24306631053041

yield_cav4dQ_rms vs Slug



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.359+/-0.000 χ^2/NDF:363463.0/7

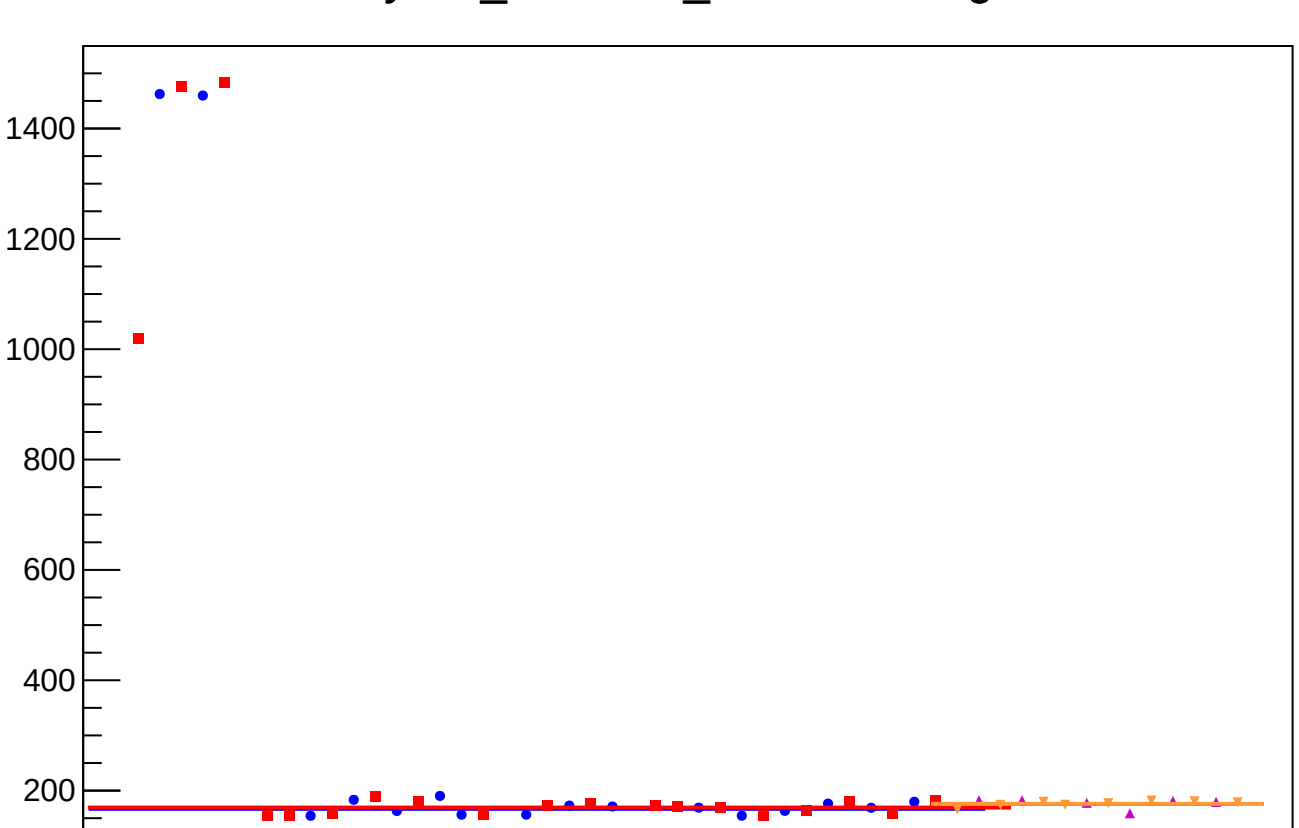
Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

Left In: 0.372+/-0.000 χ^2/NDF:335758.0/5

+ sign 0.083+/-0.000 χ^2/NDF: 15822402.3/23

All: 0.078+/-0.000 χ^2/NDF: 30614769.9/48

- sign 0.073+/-0.000 χ^2/NDF: 14725036.1/24



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 176.015+/-0.000 χ^2/NDF:139149602.1/7

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

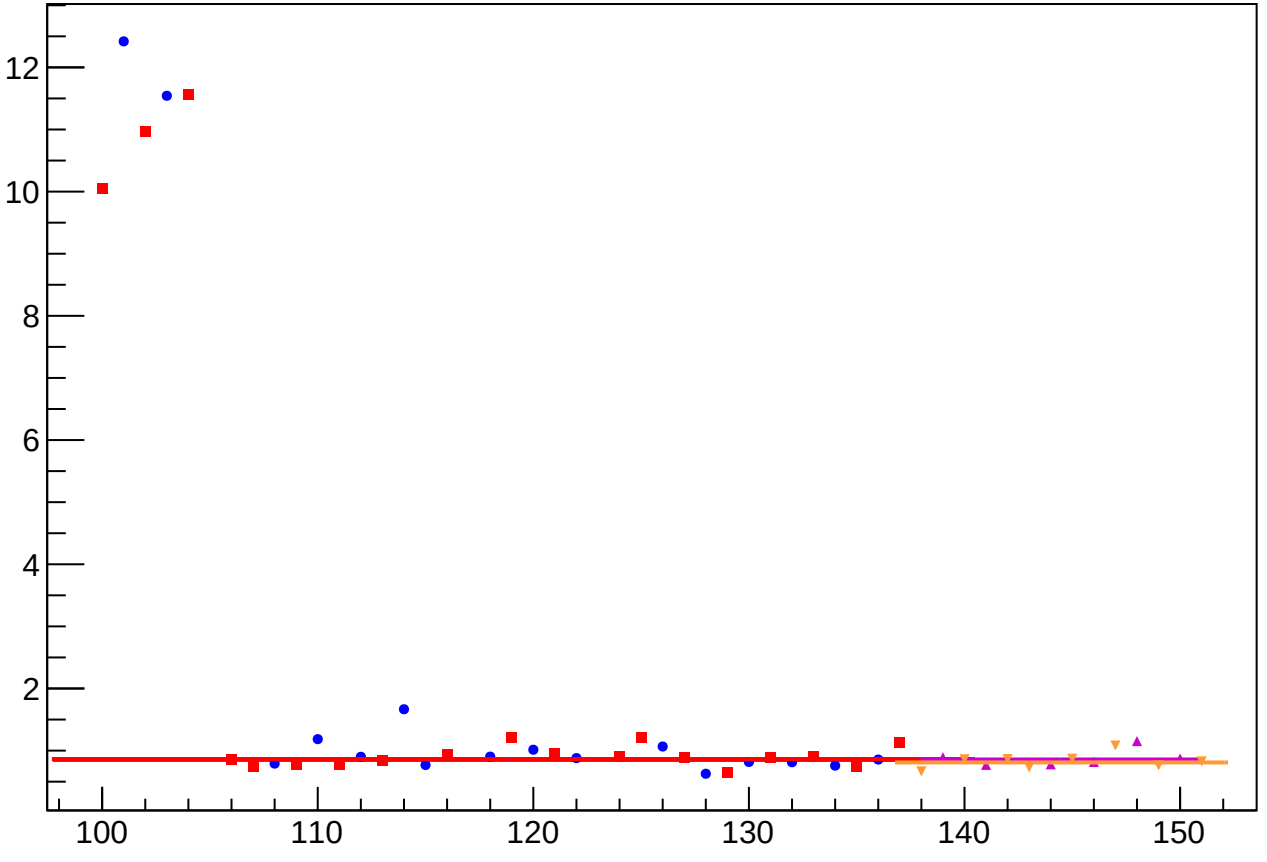
Left In: 175.743+/-0.000 χ^2/NDF:365073856.5/5

+ sign 171.538+/-0.000 χ^2/NDF: 14969548067.4/23

All: 171.821+/-0.000 χ^2/NDF: 31755498572.

- sign 172.130+/-0.000 χ^2/NDF: 16784160347.5/24

yield_bcm0l02_rms vs Slug



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.810+/-0.000 χ^2/NDF:134700.6/7

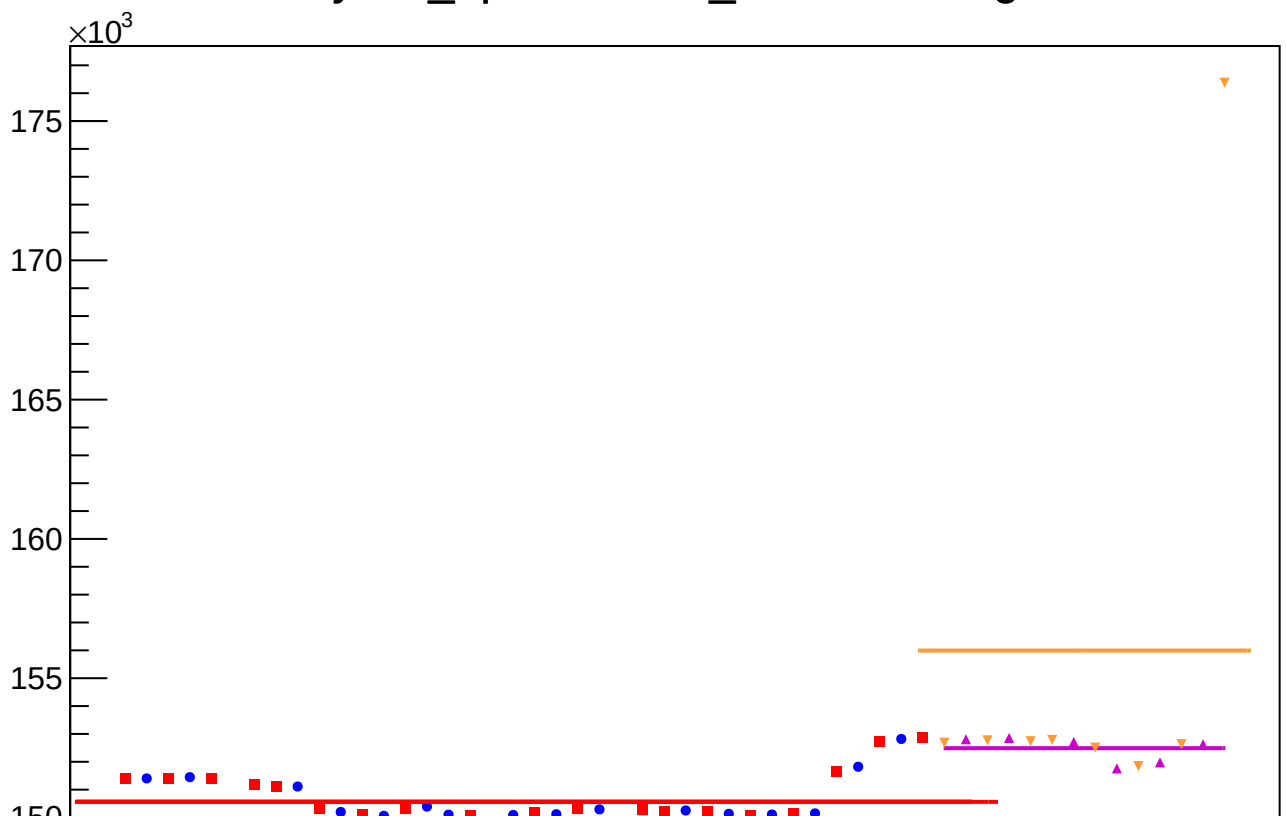
Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.857+/-0.000 χ^2/NDF:106286.4/5

+ sign 0.831+/-0.000 χ^2/NDF: 2447008.5/23

All: 0.846+/-0.000 χ^2/NDF: 4771906.7/48

- sign 0.861+/-0.000 χ^2/NDF: 2315770.4/24



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 155993.916+/-0.071 χ^2/NDF:13933218406.8/7

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

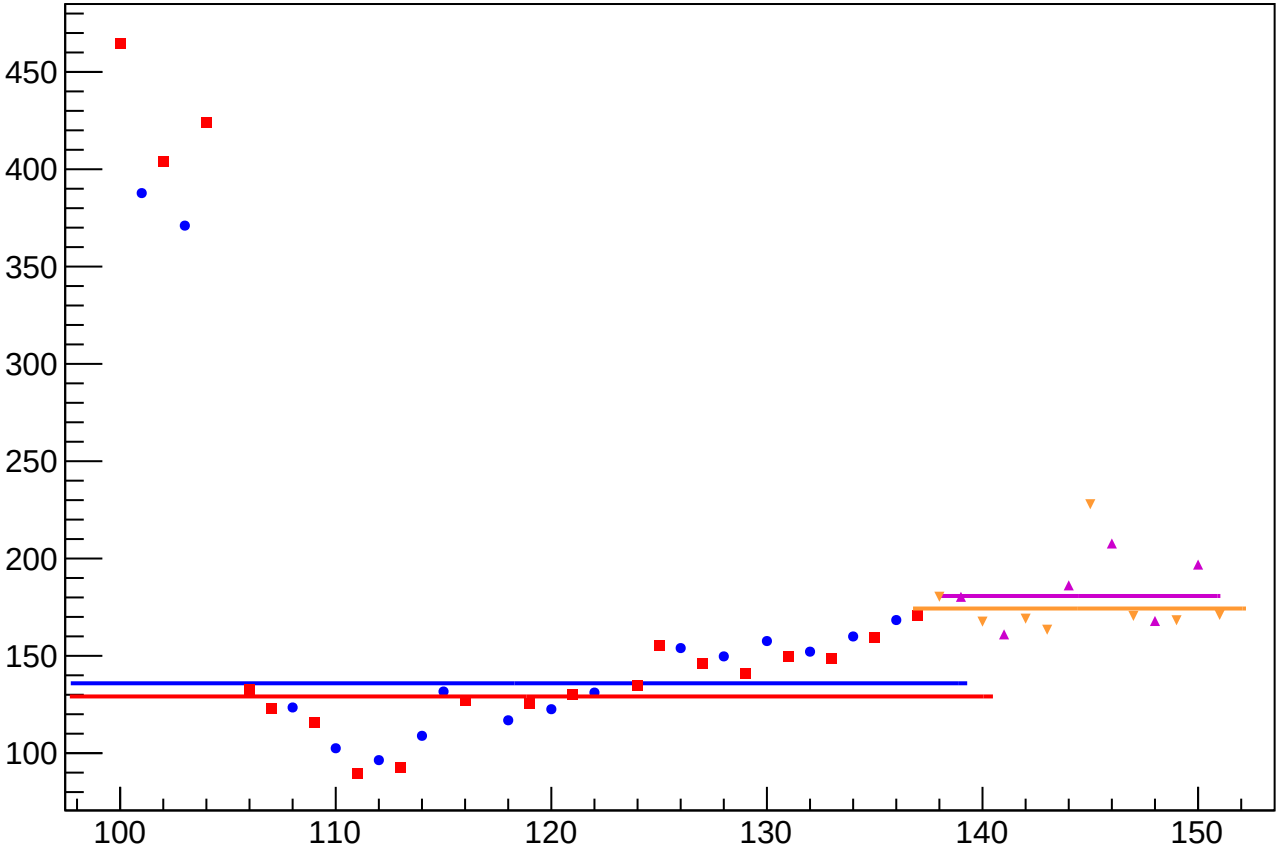
Left In: 152488.696+/-0.080 χ^2/NDF:27152182.9/5

+ sign 152586.997+/-0.043 χ^2/NDF: 17842067946.

All: 151848.588+/-0.030 χ^2/NDF: 19059636

- sign 151121.553+/-0.043 χ^2/NDF: 639775778.6/2

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 174.314+/-0.050 χ^2/NDF:104939.5/7

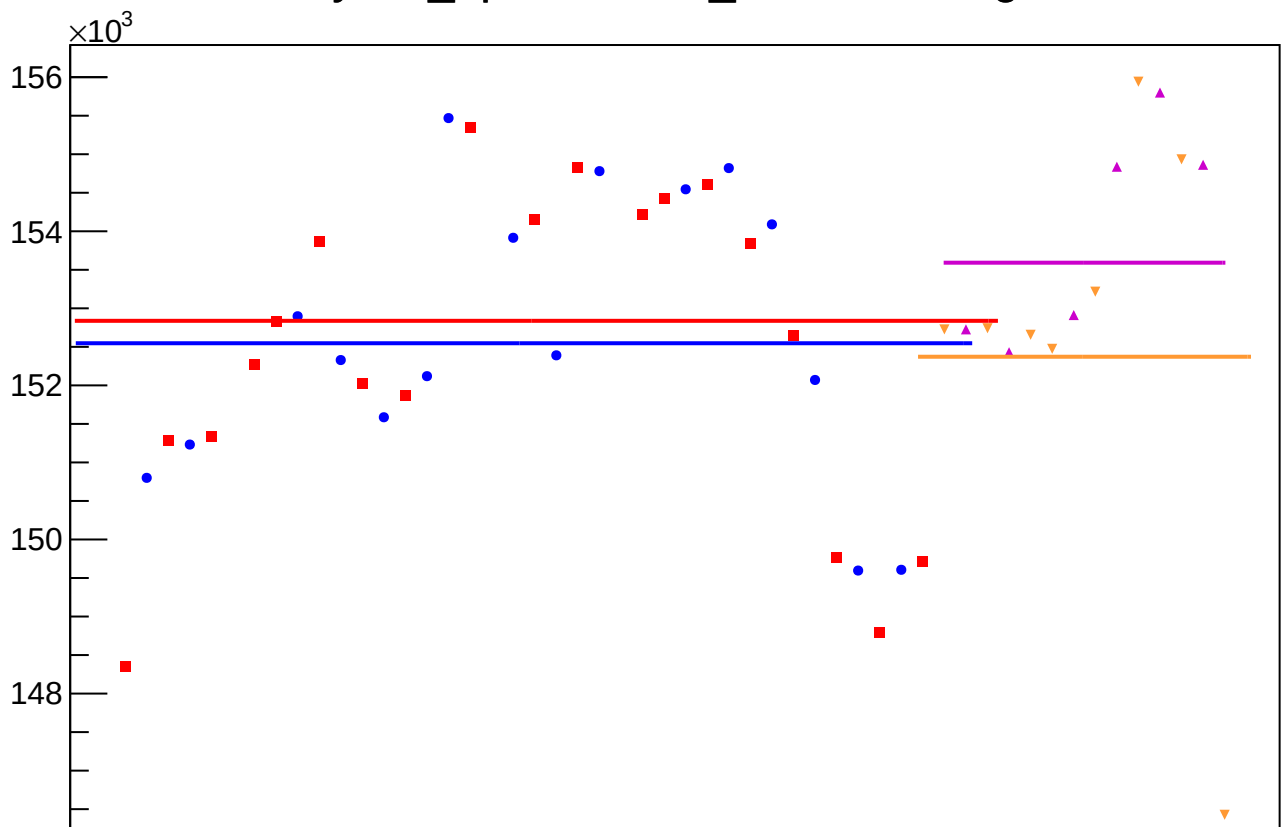
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 180.751+/-0.056 χ^2/NDF:78697.0/5

+ sign 150.189+/-0.031 χ^2/NDF: 1889503.1/23

All: 147.135+/-0.022 χ^2/NDF: 4198028.7/48

- sign 144.129+/-0.030 χ^2/NDF: 2288766.2/24



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 152371.796+/-0.080 χ^2/NDF:1012462009.5/7

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

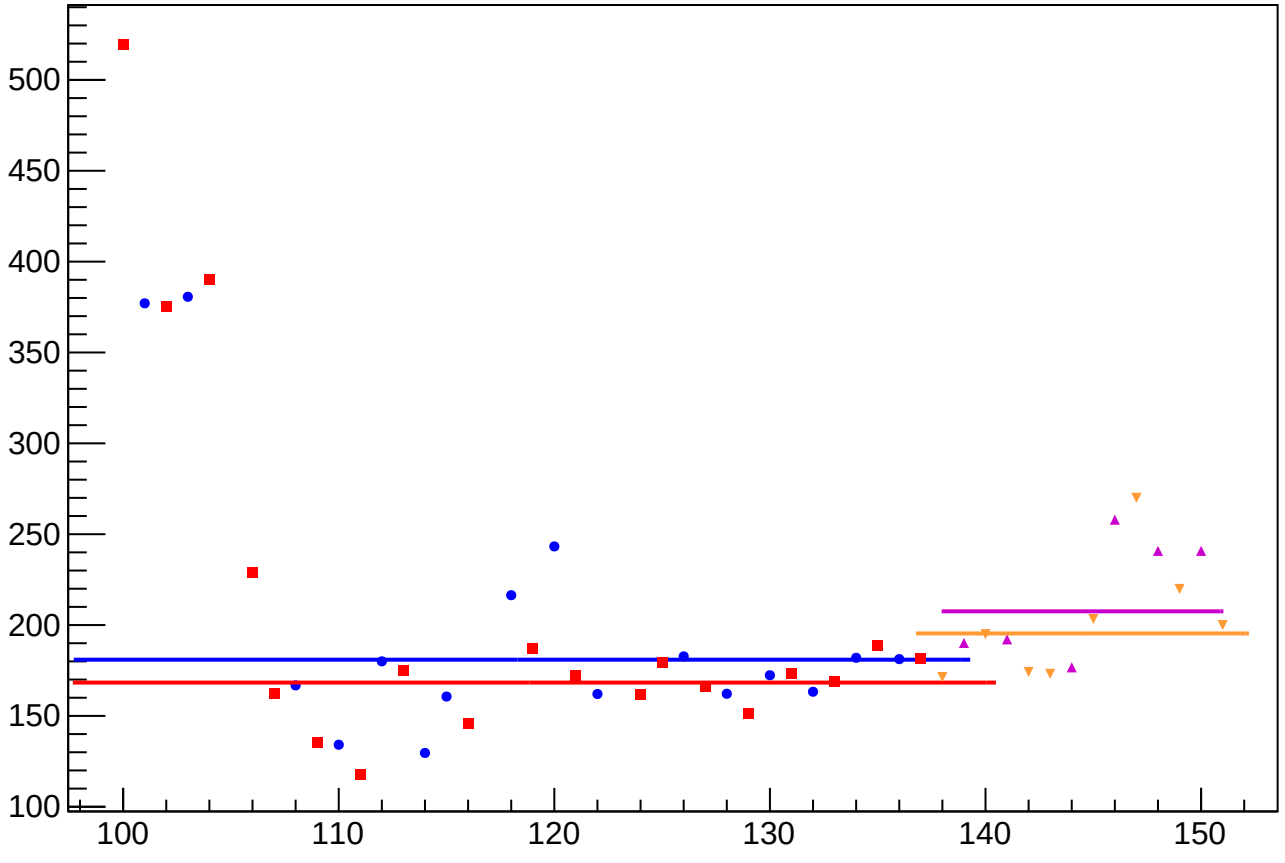
Left In: 153592.305+/-0.092 χ^2/NDF:175277289.0/5

+ sign 152468.046+/-0.054 χ^2/NDF: 1669621124.5

All: 152781.082+/-0.038 χ^2/NDF: 26935837

- sign 153096.490+/-0.054 χ^2/NDF: 956089156.6/2

yield_bpm0i07WS_rms vs Slug



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 195.372+/-0.057 χ^2/NDF:217147.7/7

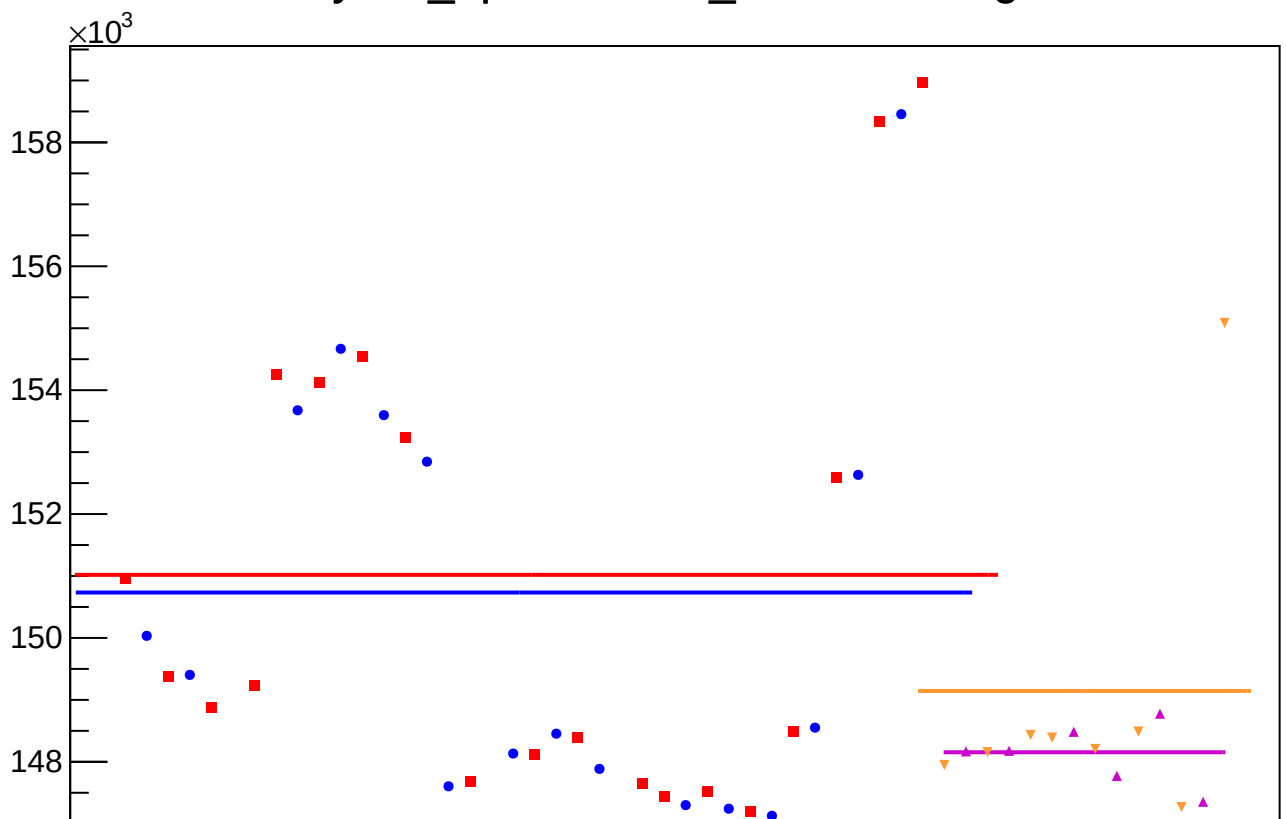
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 207.548+/-0.065 χ^2/NDF:210688.8/5

+ sign 187.438+/-0.038 χ^2/NDF: 1160489.7/23

All: 184.623+/-0.027 χ^2/NDF: 2708319.0/48

- sign 181.786+/-0.038 χ^2/NDF: 1536848.2/24



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 149143.964+/-0.078 χ^2/NDF:1013935408.6/7

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

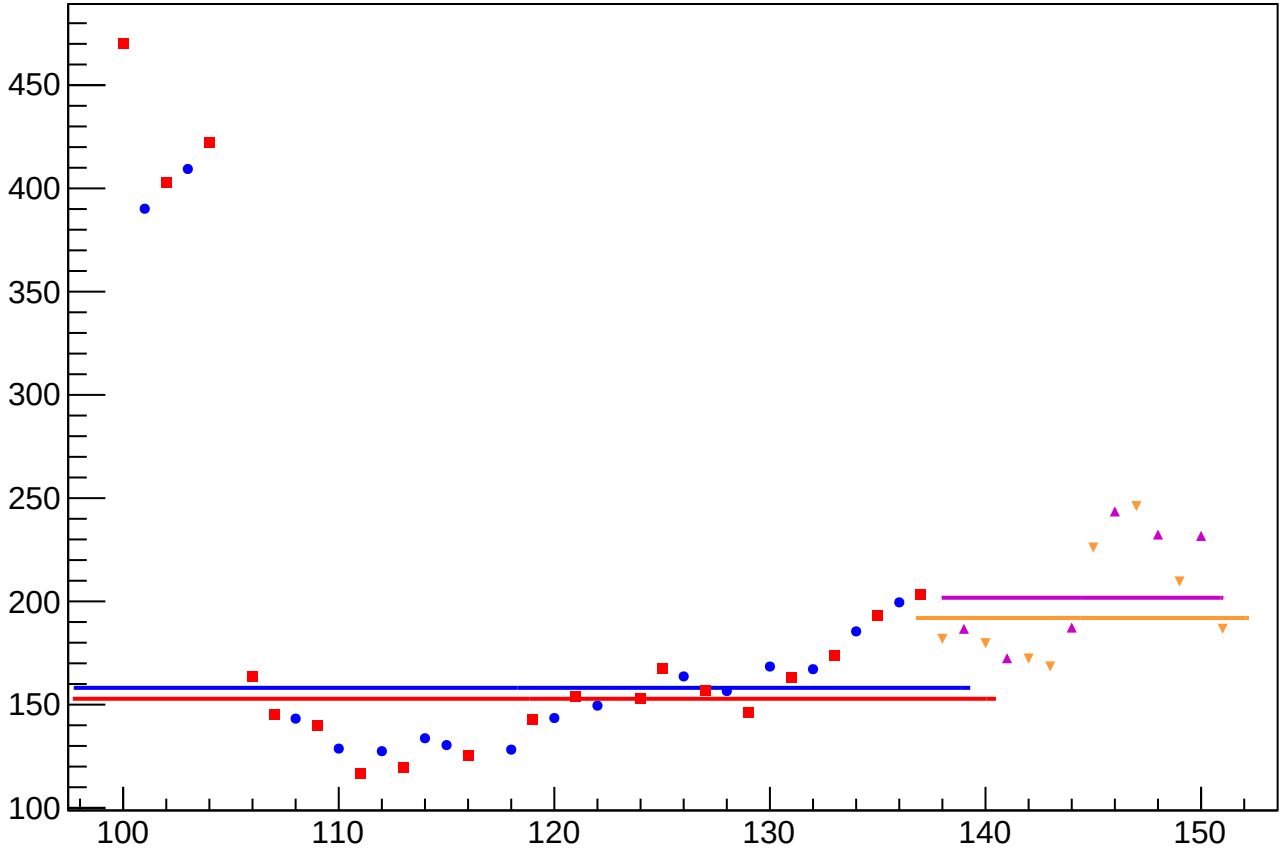
Left In: 148154.207+/-0.089 χ^2/NDF:21436911.0/5

+ sign 150111.004+/-0.049 χ^2/NDF: 4547778777.2

All: 150118.715+/-0.035 χ^2/NDF: 85636546

- sign 150126.670+/-0.050 χ^2/NDF: 4015825698.3/

yield_bpm0i01WS_rms vs Slug



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 191.974+/-0.055 χ^2/NDF:183351.9/7

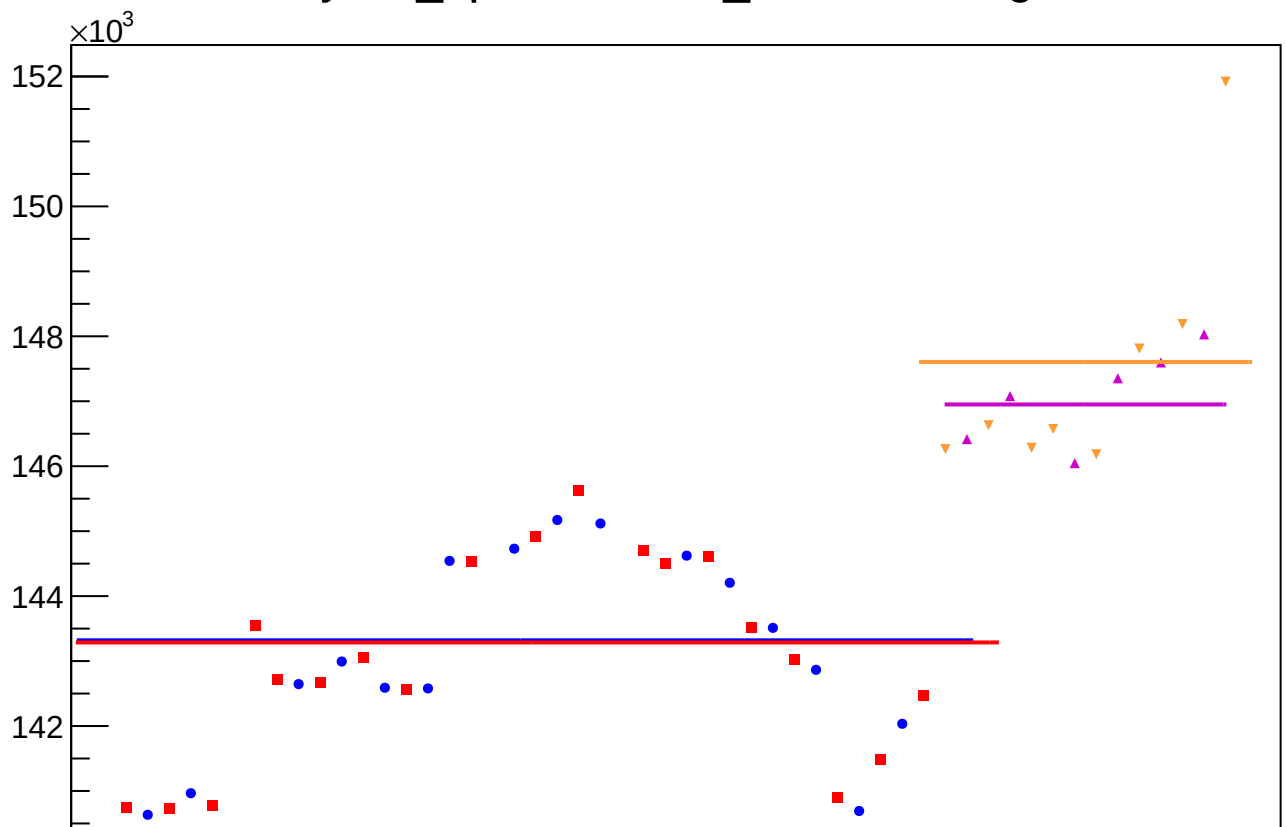
Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 201.761+/-0.063 χ^2/NDF:182075.0/5

+ sign 171.386+/-0.035 χ^2/NDF: 1605668.0/23

All: 169.755+/-0.025 χ^2/NDF: 3469663.4/48

- sign 168.073+/-0.035 χ^2/NDF: 1859506.1/24



Right In: 143319.651+/-0.053 χ^2/NDF: 559301530.7/15

Left Out: 147605.483+/-0.078 χ^2/NDF:655441269.7/7

Right Out: 143286.960+/-0.050 χ^2/NDF: 620521577.8/18

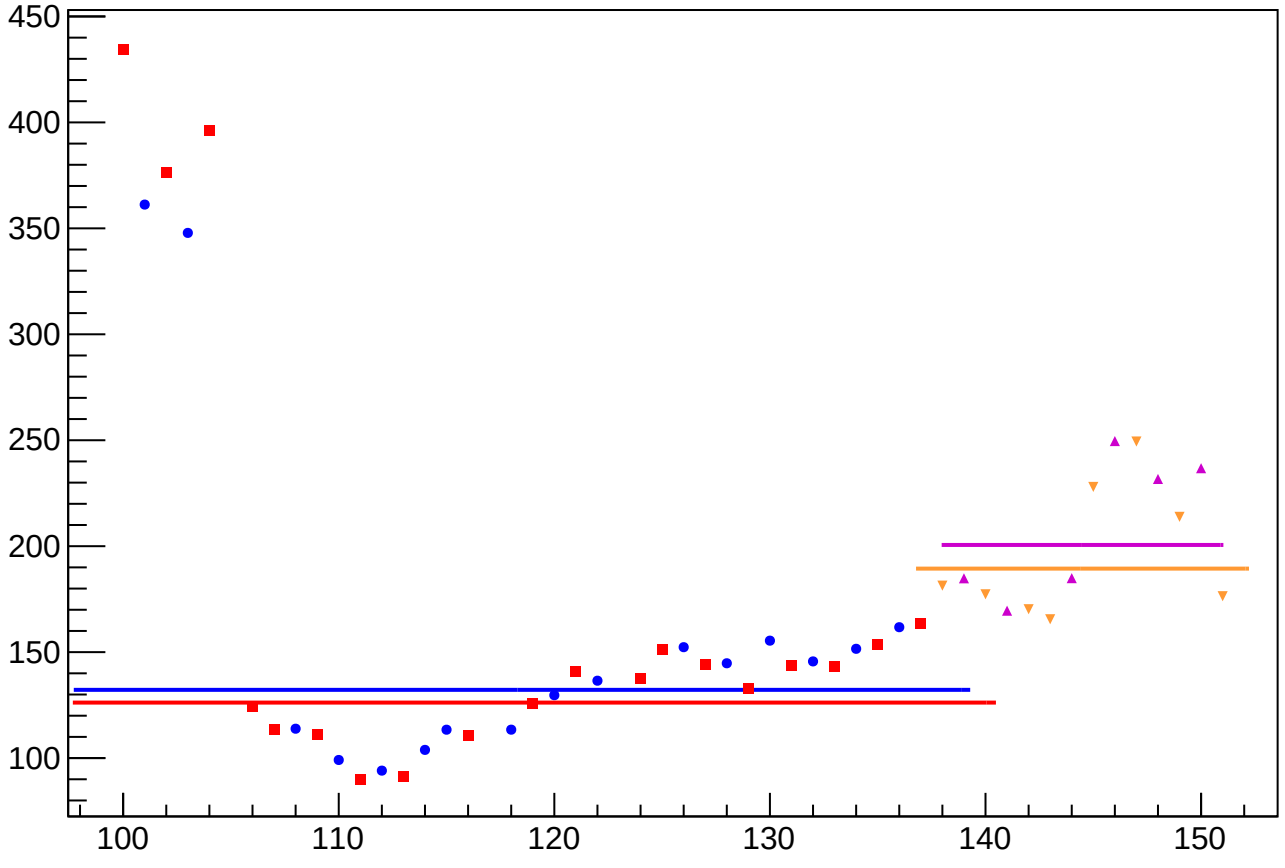
Left In: 146950.726+/-0.089 χ^2/NDF:55715968.7/5

+ sign 144686.995+/-0.044 χ^2/NDF: 3291217880.8/

All: 144419.334+/-0.031 χ^2/NDF: 53313053

- sign 144156.926+/-0.043 χ^2/NDF: 1966261320.8/

yield_bpm0i01aWS_rms vs Slug



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 189.420+/-0.055 χ^2/NDF:225476.3/7

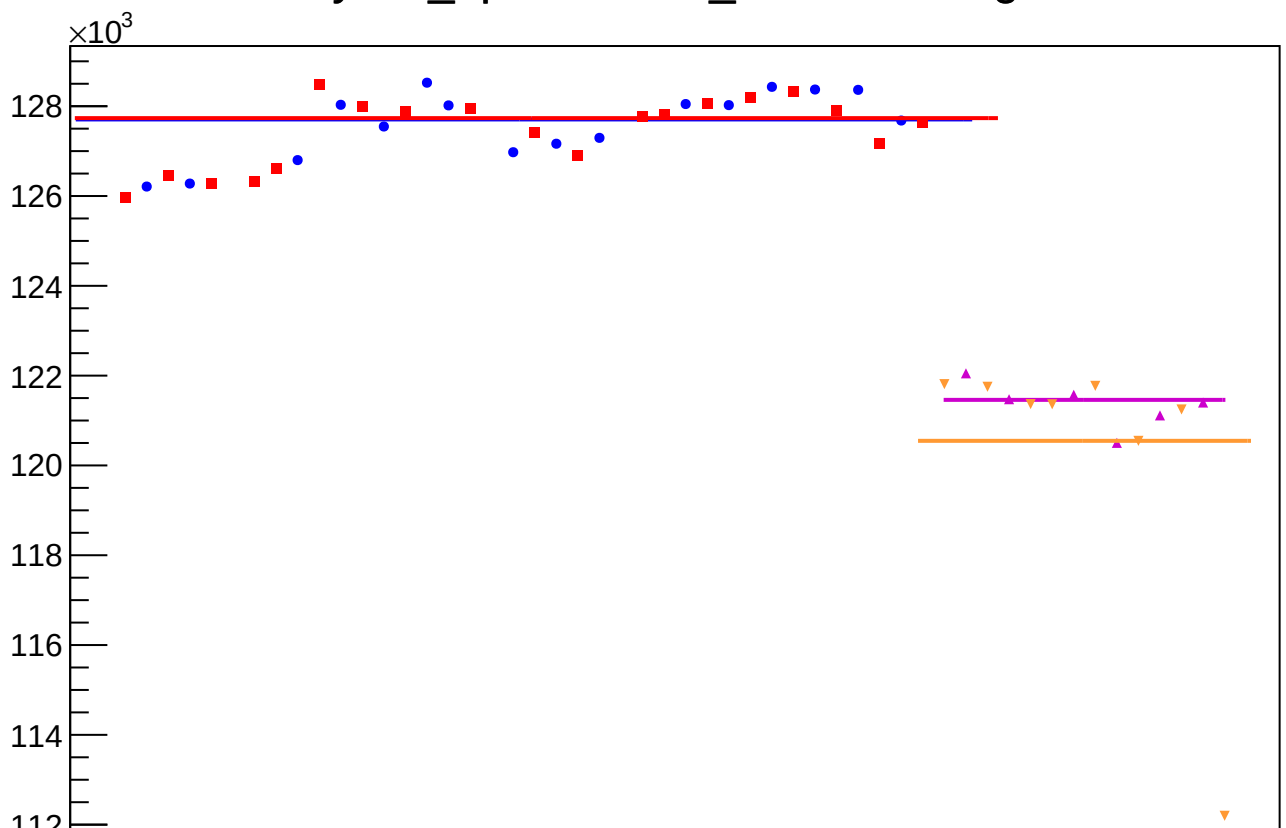
Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 200.584+/-0.063 χ^2/NDF:222113.2/5

+ sign 150.458+/-0.031 χ^2/NDF: 2344785.2/23

All: 147.124+/-0.022 χ^2/NDF: 5198584.5/48

- sign 143.856+/-0.031 χ^2/NDF: 2830893.0/24



Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 120547.846+/-0.070 χ^2/NDF:1623908156.5/7

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

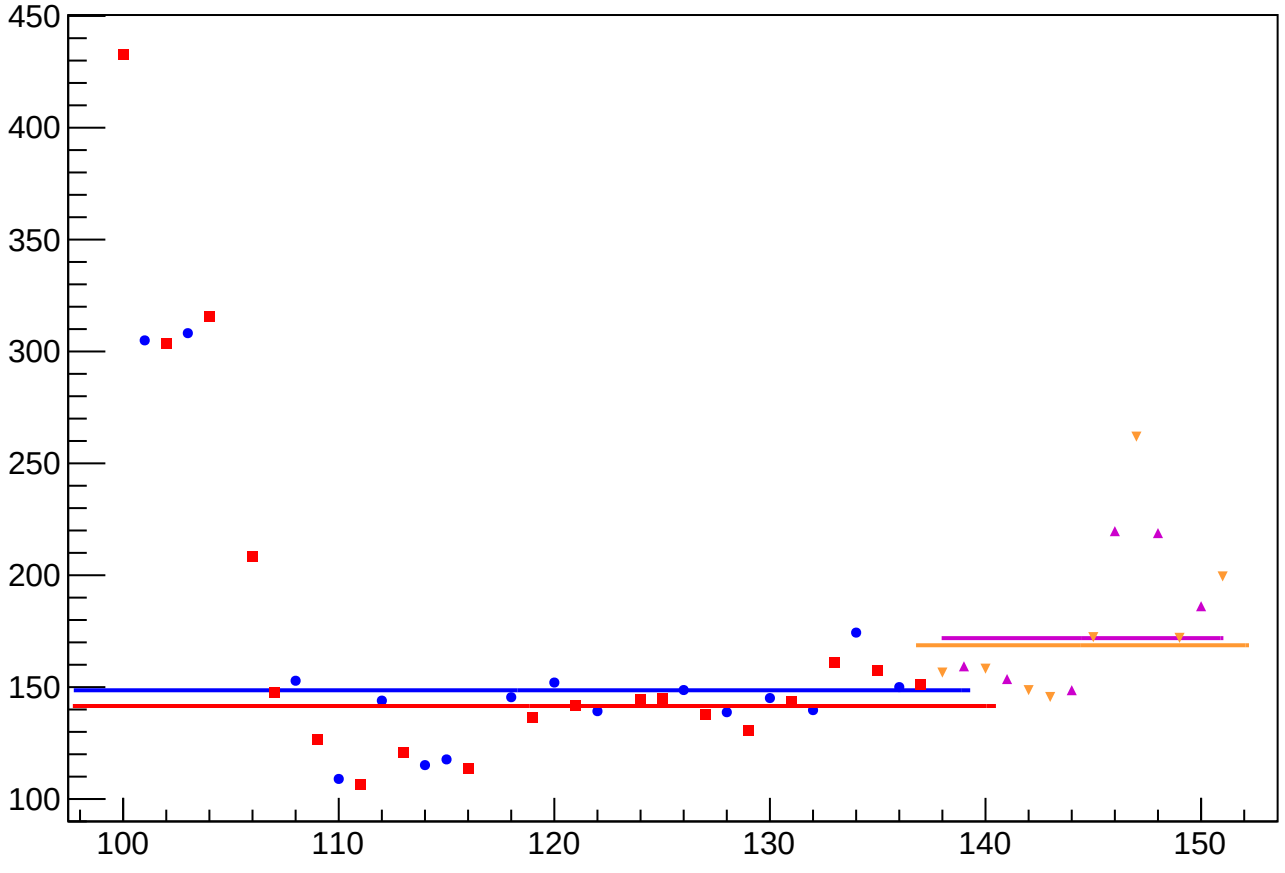
Left In: 121460.112+/-0.077 χ^2/NDF:30388265.9/5

+ sign 124773.779+/-0.045 χ^2/NDF: 7876868975.6

All: 125198.594+/-0.032 χ^2/NDF: 12594739

- sign 125620.134+/-0.045 χ^2/NDF: 4539420773.6/

yield_bpm0l01WS_rms vs Slug



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 168.712+/-0.050 χ^2/NDF:316640.5/7

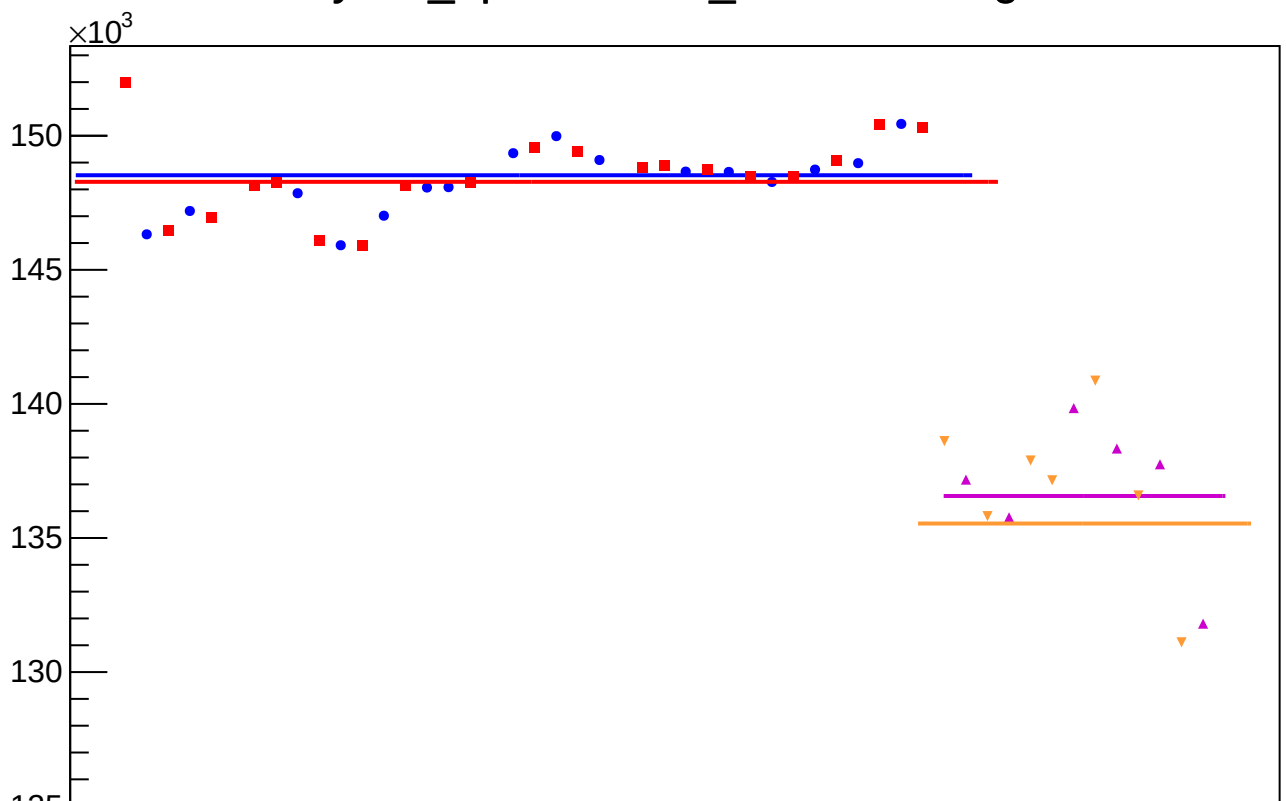
Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 171.896+/-0.054 χ^2/NDF:243308.9/5

+ sign 156.833+/-0.032 χ^2/NDF: 1241501.8/23

All: 154.299+/-0.022 χ^2/NDF: 2704374.5/48

- sign 151.785+/-0.032 χ^2/NDF: 1450175.1/24



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 135539.824+/-0.104 χ^2/NDF:1724070993.6/7

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

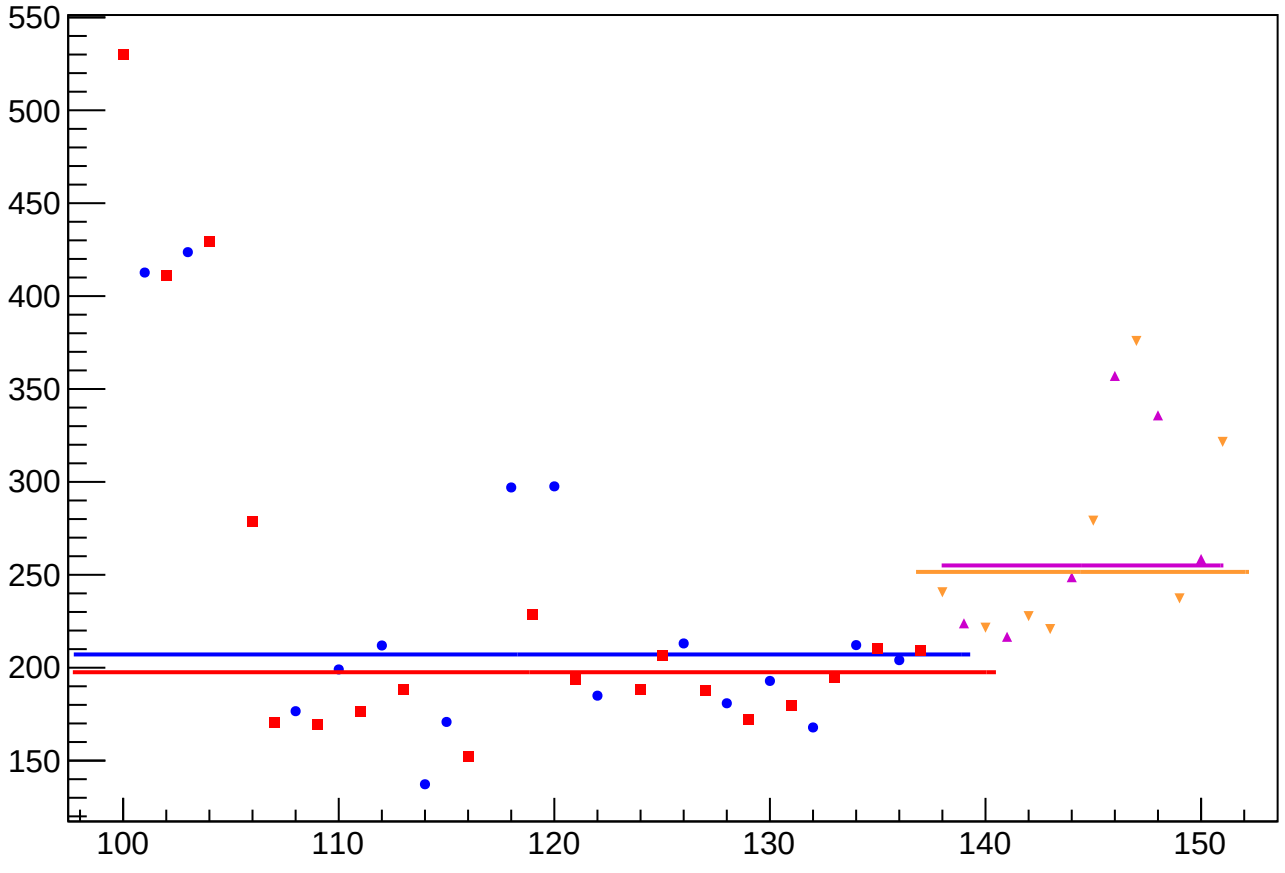
Left In: 136566.588+/-0.114 χ^2/NDF:502383995.4/5

+ sign 143552.385+/-0.064 χ^2/NDF: 11557421241.

All: 144104.209+/-0.045 χ^2/NDF: 19764233

- sign 144643.173+/-0.064 χ^2/NDF: 8061496833.2/

yield_bpm0l02WS_rms vs Slug



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 251.565+/-0.074 χ^2/NDF:349569.1/7

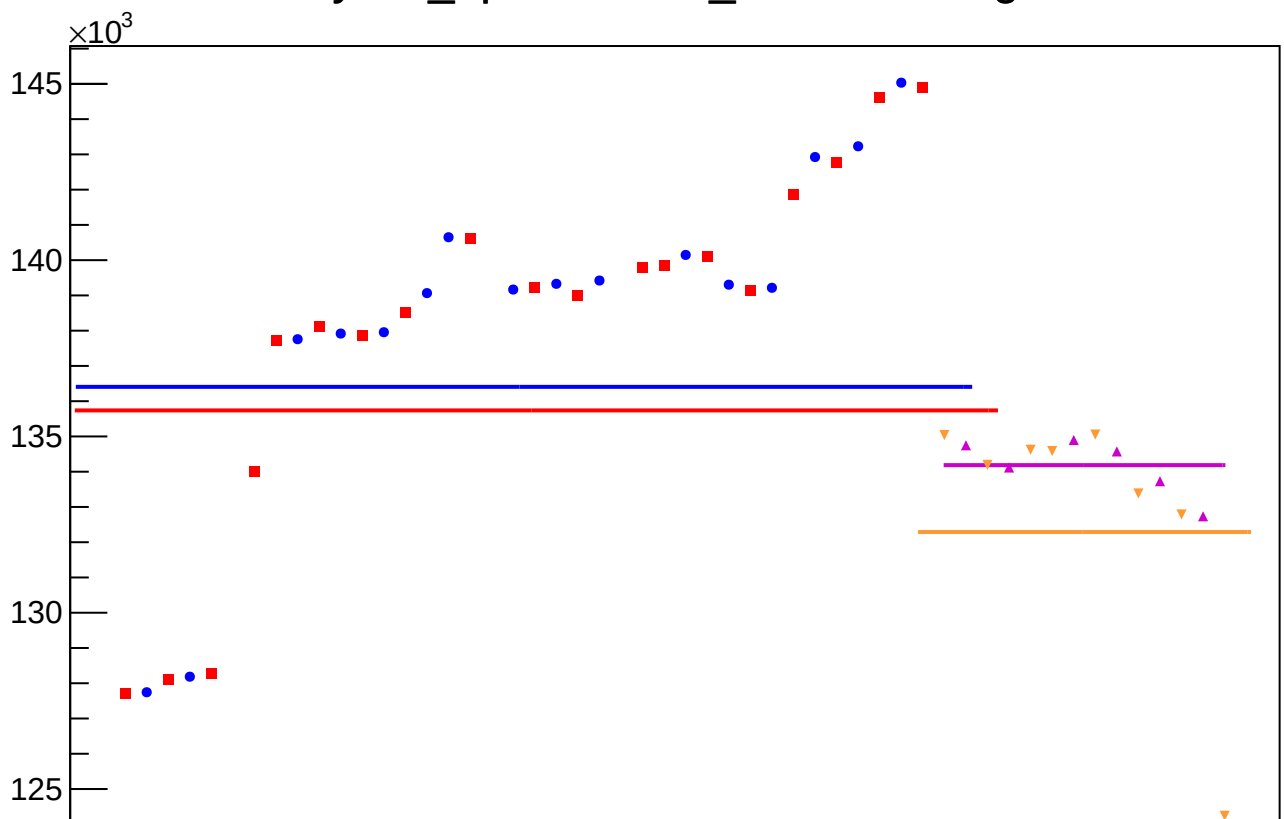
Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 255.038+/-0.081 χ^2/NDF:324530.4/5

+ sign 224.155+/-0.046 χ^2/NDF: 1547041.4/23

All: 219.736+/-0.032 χ^2/NDF: 3143786.9/48

- sign 215.420+/-0.045 χ^2/NDF: 1578109.1/24



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 132289.695+/-0.217 χ^2/NDF:370561284.3/7

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

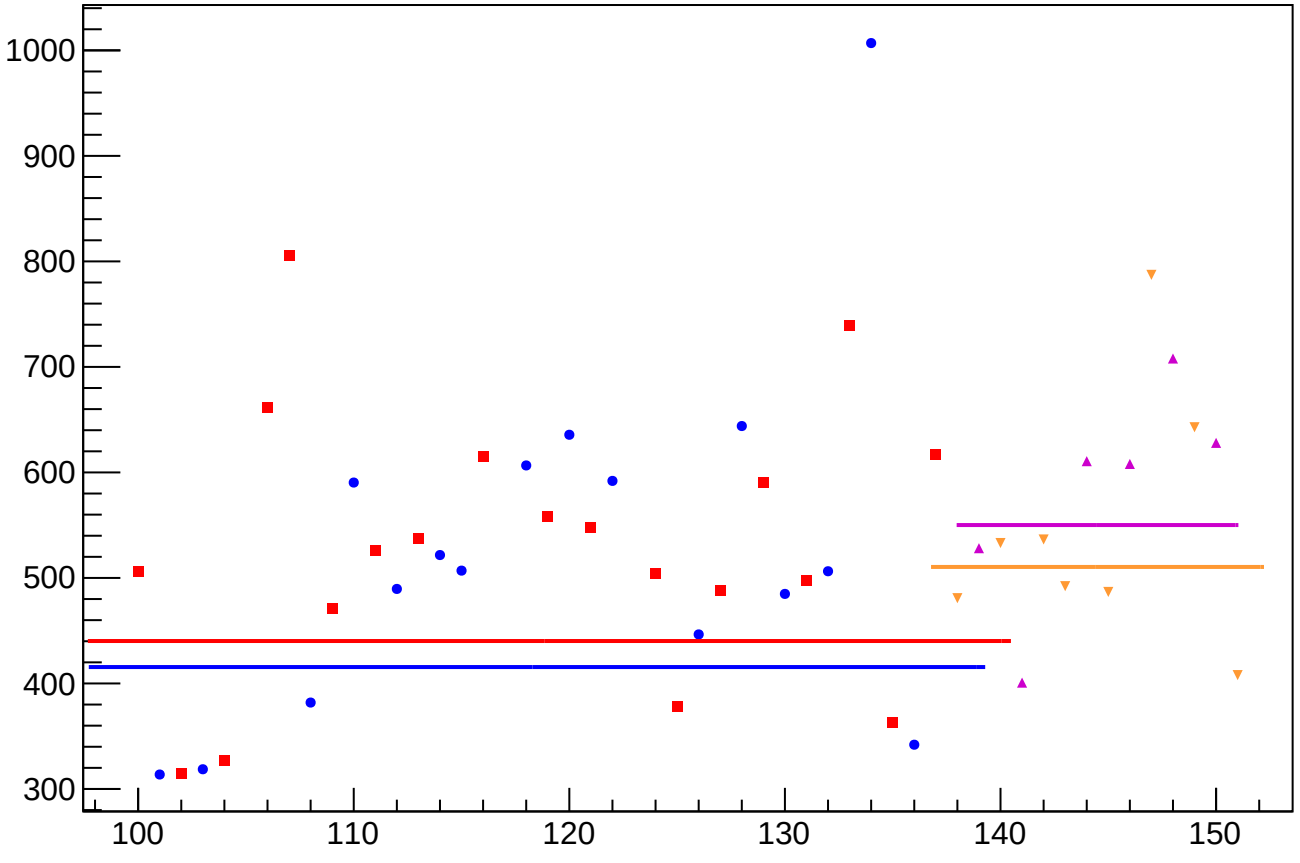
Left In: 134186.374+/-0.263 χ^2/NDF:6719316.0/5

+ sign 134860.681+/-0.133 χ^2/NDF: 2171654645.0

All: 135039.675+/-0.099 χ^2/NDF: 33804041

- sign 135256.820+/-0.147 χ^2/NDF: 1204789988.0/

yield_bpm0l03WS_rms vs Slug



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 510.422+/-0.154 χ^2/NDF:357242.9/7

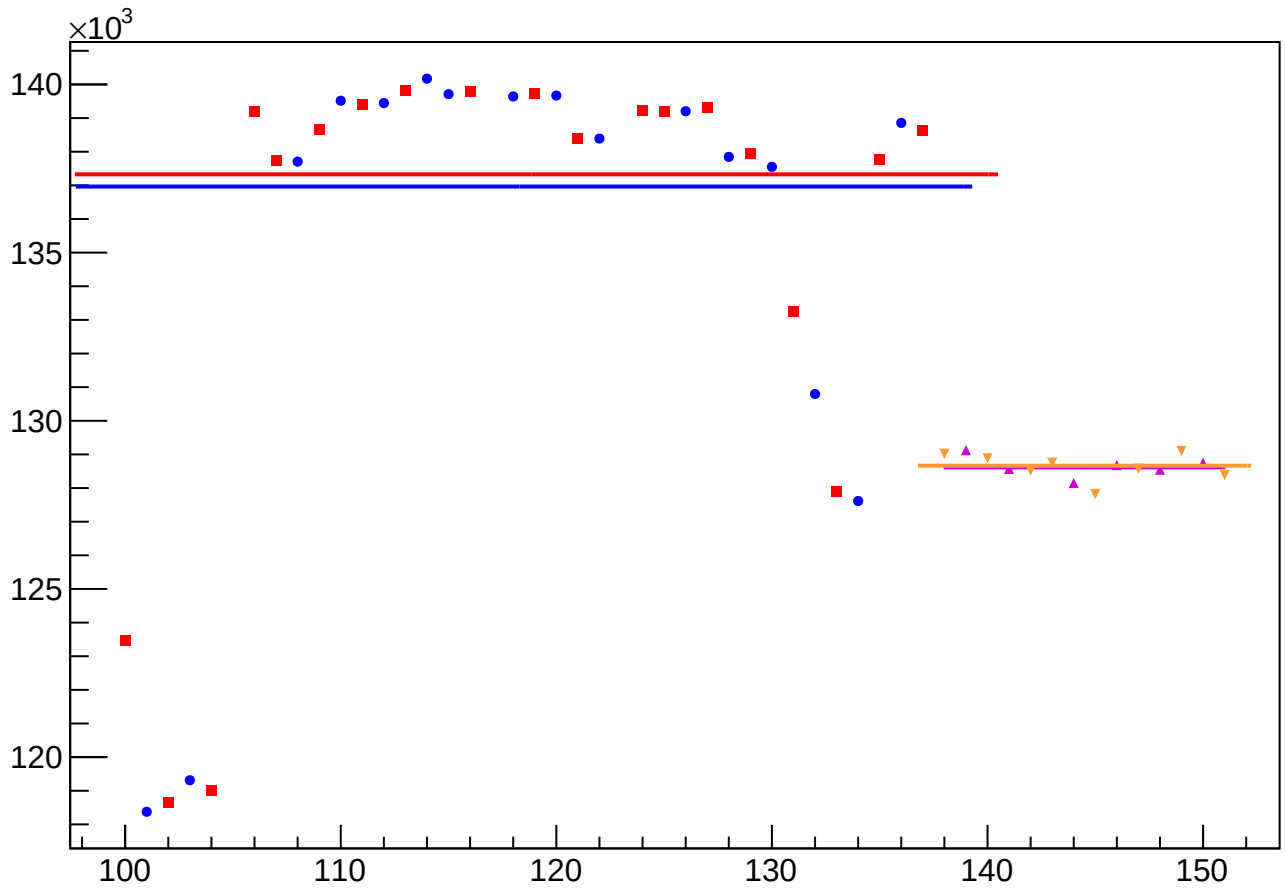
Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 550.126+/-0.186 χ^2/NDF:313412.0/5

+ sign 451.178+/-0.094 χ^2/NDF: 1626753.7/23

All: 461.635+/-0.070 χ^2/NDF: 3118410.5/48

- sign 474.322+/-0.104 χ^2/NDF: 1464379.6/24



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 128665.372+/-0.075 χ^2/NDF:27339331.3/7

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

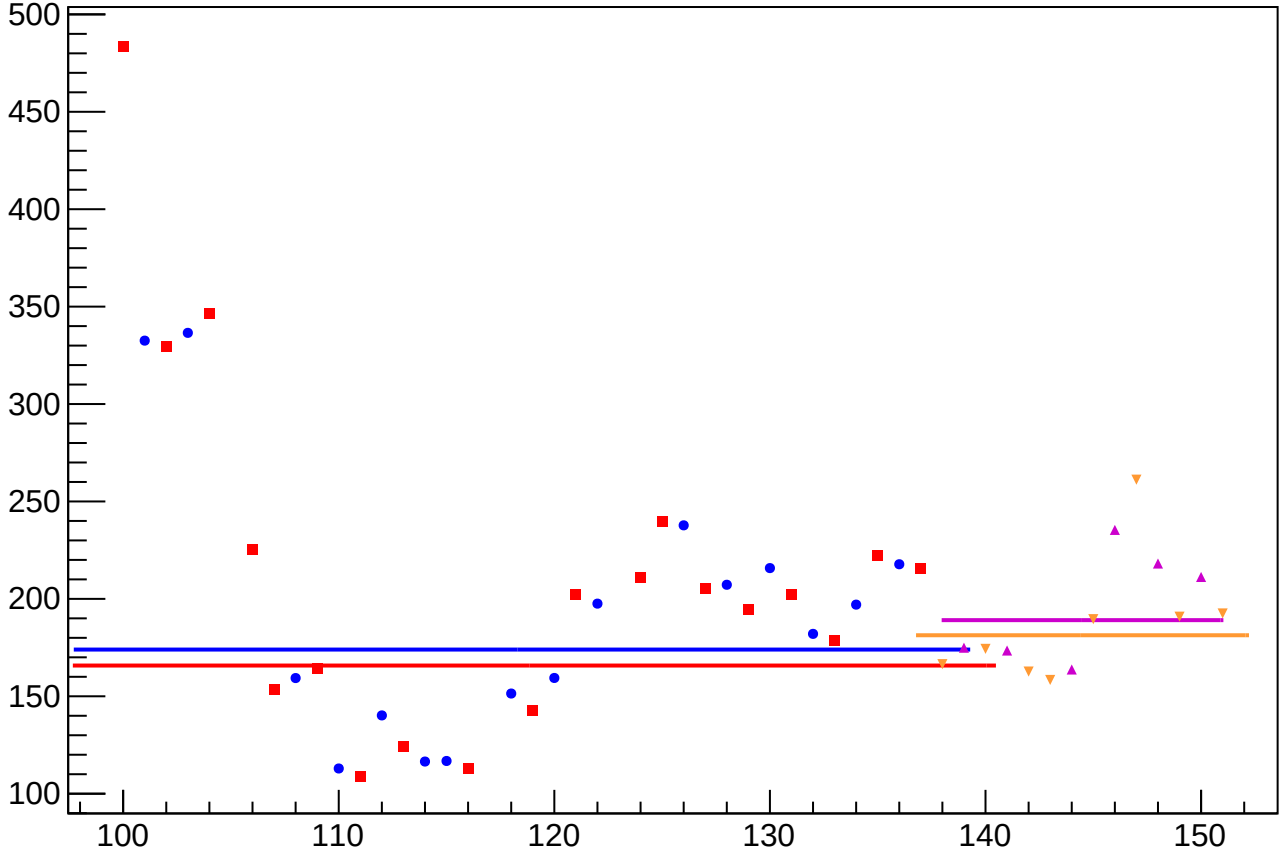
Left In: 128614.611+/-0.084 χ^2/NDF:14818039.2/5

+ sign 133090.107+/-0.051 χ^2/NDF: 12449736826.3

All: 133549.166+/-0.036 χ^2/NDF: 25052863

- sign 134022.635+/-0.052 χ^2/NDF: 12437970797.0

yield_bpm0l04WS_rms vs Slug



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 181.326+/-0.053 χ^2/NDF:224730.1/7

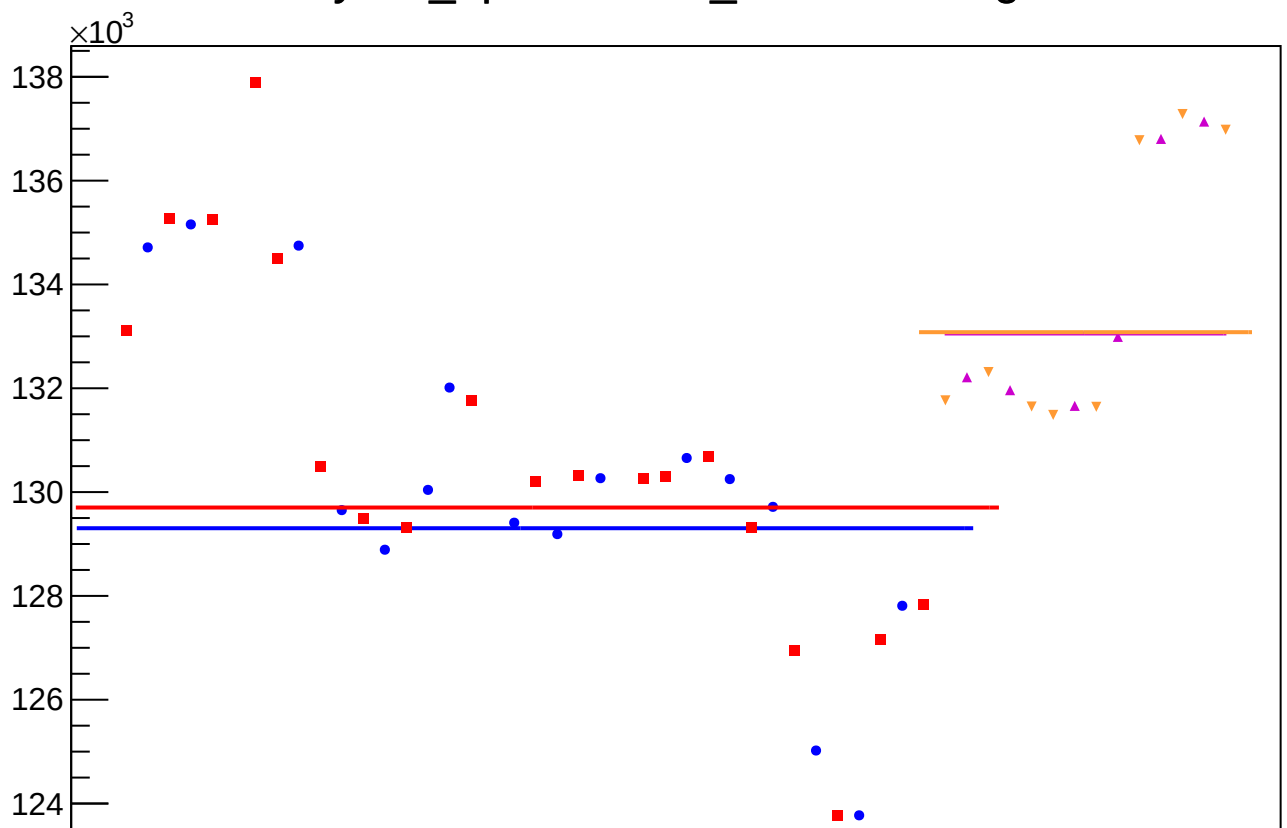
Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 189.079+/-0.059 χ^2/NDF:183505.8/5

+ sign 177.411+/-0.036 χ^2/NDF: 1423582.9/23

All: 176.036+/-0.026 χ^2/NDF: 3138825.3/48

- sign 174.618+/-0.037 χ^2/NDF: 1712279.7/24



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 133080.737+/-0.077 χ^2/NDF:894905095.7/7

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

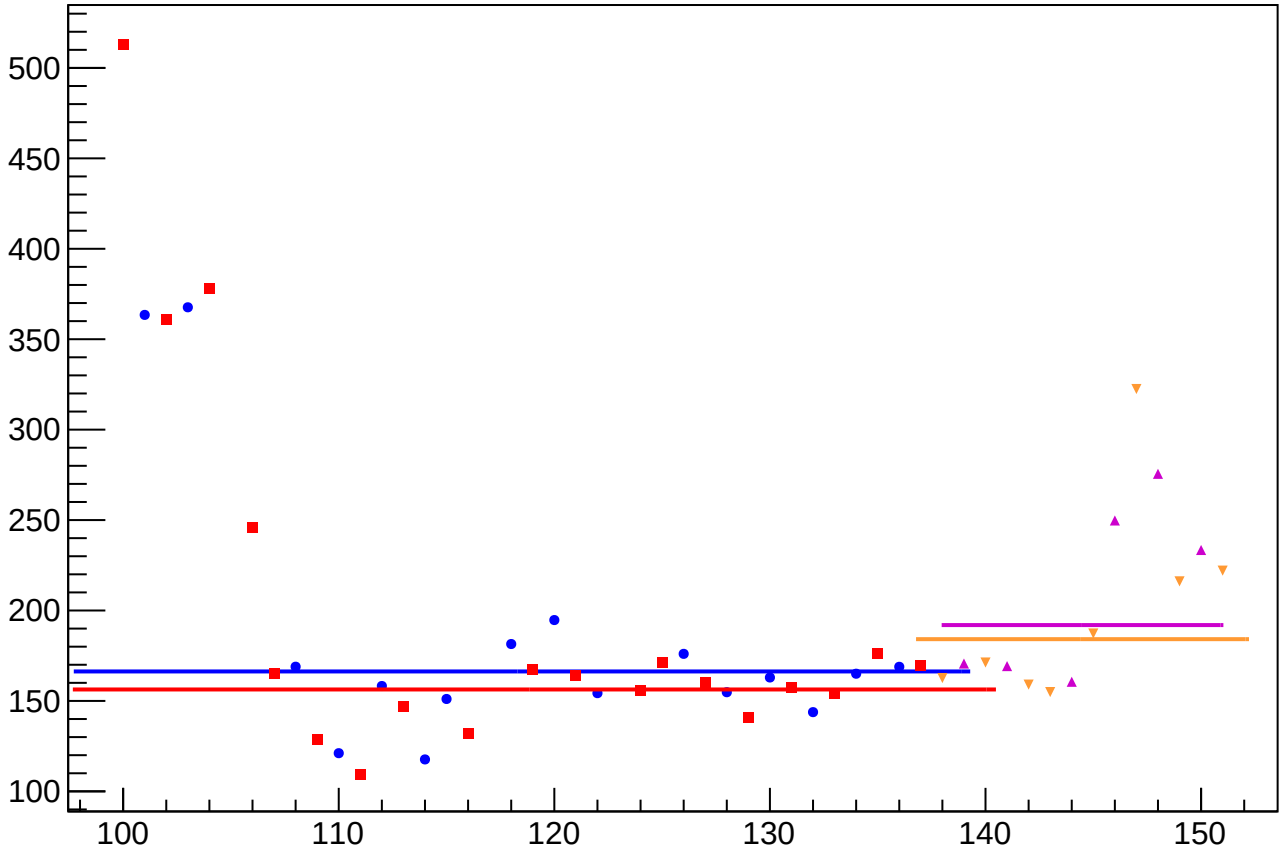
Left In: 133055.467+/-0.086 χ^2/NDF:542426365.6/5

+ sign 130912.328+/-0.050 χ^2/NDF: 3931267453.0

All: 130872.014+/-0.035 χ^2/NDF: 72523394

- sign 130831.768+/-0.050 χ^2/NDF: 3319781270.5/

yield_bpm0l05WS_rms vs Slug



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 184.151+/-0.054 χ^2/NDF:496201.7/7

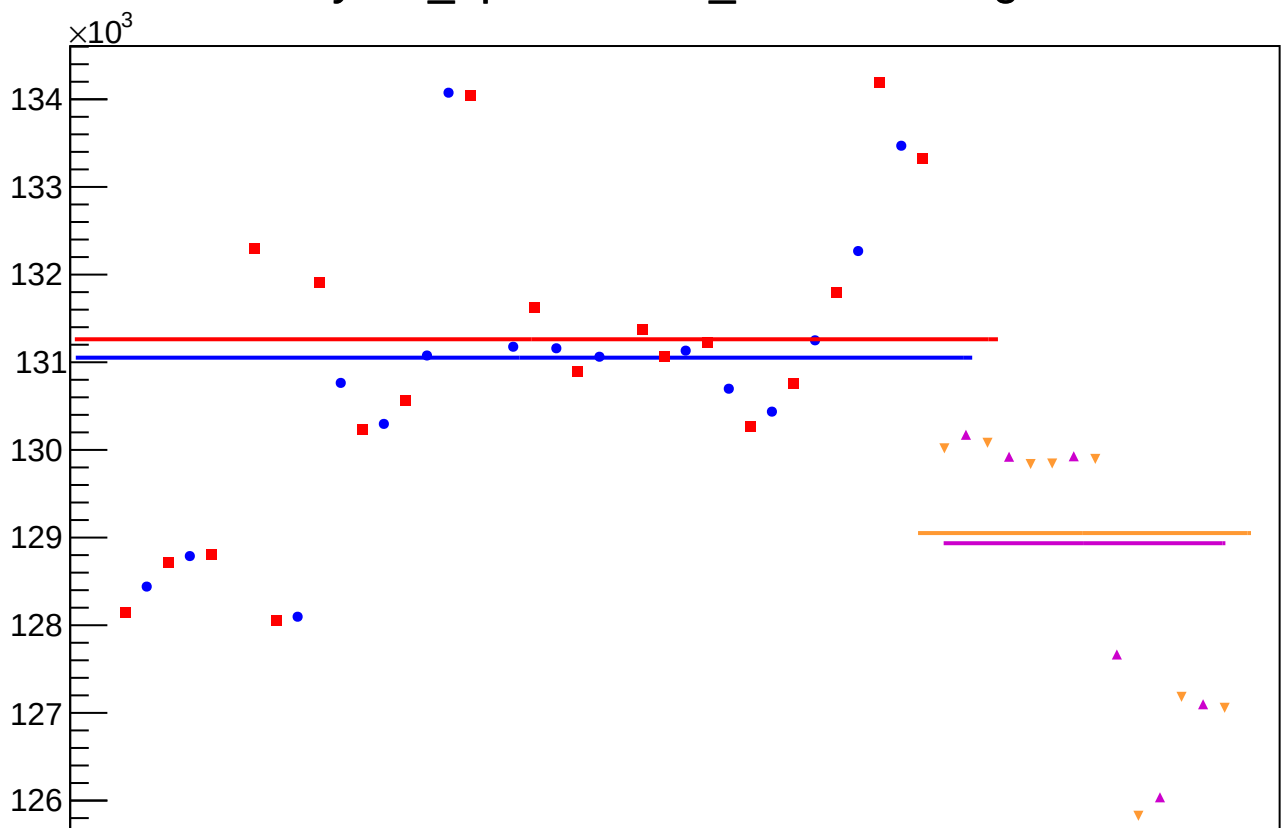
Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 191.941+/-0.061 χ^2/NDF:422600.6/5

+ sign 173.903+/-0.035 χ^2/NDF: 1496061.3/23

All: 171.112+/-0.025 χ^2/NDF: 3329346.0/48

- sign 168.326+/-0.035 χ^2/NDF: 1820910.8/24



Right In: 131052.422+/-0.061 χ^2/NDF: 523713045.8/15

Left Out: 129051.412+/-0.072 χ^2/NDF:397862561.4/7

Right Out: 131262.232+/-0.057 χ^2/NDF: 604278186.1/18

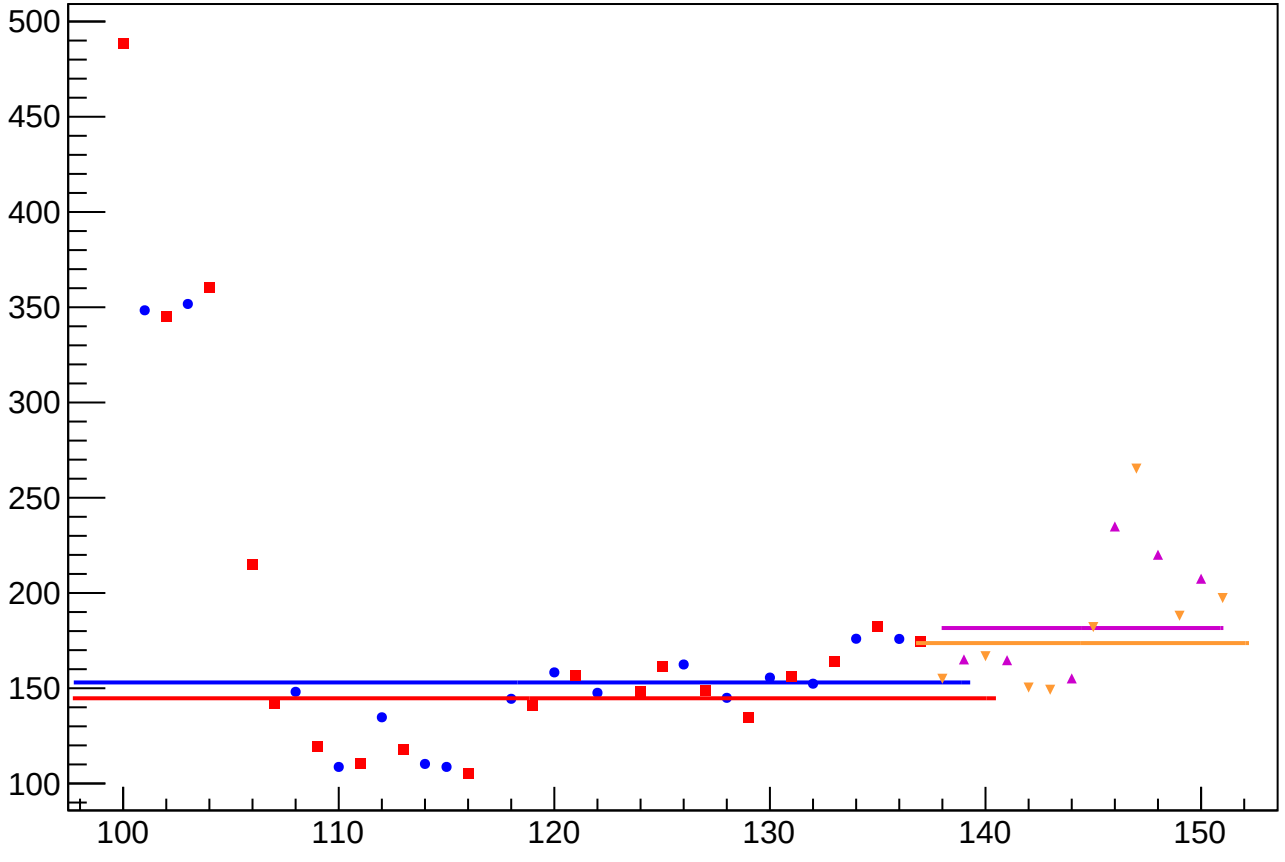
Left In: 128935.603+/-0.081 χ^2/NDF:349106049.1/5

+ sign 130217.467+/-0.046 χ^2/NDF: 1375923623.7

All: 130356.764+/-0.033 χ^2/NDF: 29020998

- sign 130496.821+/-0.046 χ^2/NDF: 1508016736.3/

yield_bpm0l06WS_rms vs Slug



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 173.707+/-0.051 χ^2/NDF:319996.7/7

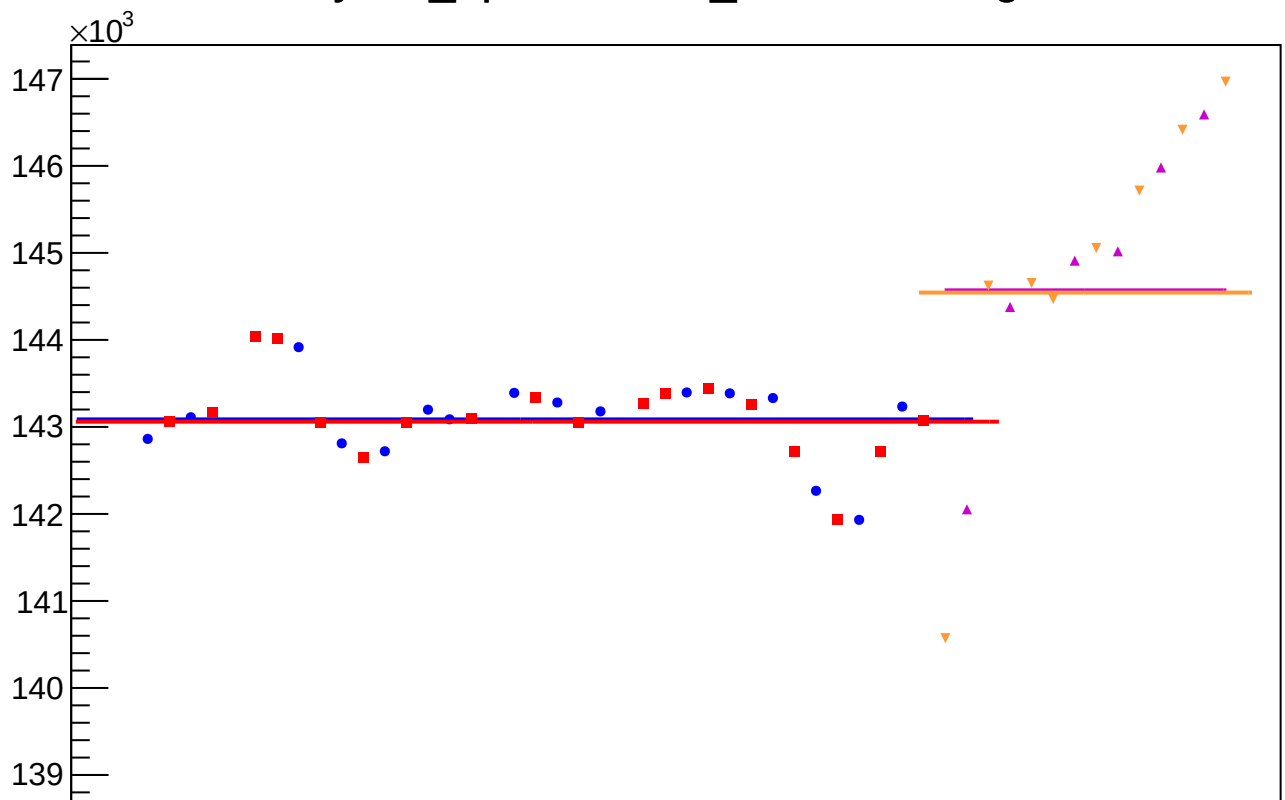
Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 181.611+/-0.057 χ^2/NDF:253442.9/5

+ sign 161.665+/-0.033 χ^2/NDF: 1476378.8/23

All: 159.271+/-0.023 χ^2/NDF: 3282693.2/48

- sign 156.863+/-0.033 χ^2/NDF: 1795583.1/24



Right In: 143086.477+/-0.065 χ^2/NDF: 46726277.8/15

Left Out: 144543.937+/-0.084 χ^2/NDF:538827921.8/7

Right Out: 143060.268+/-0.061 χ^2/NDF: 51715744.7/18

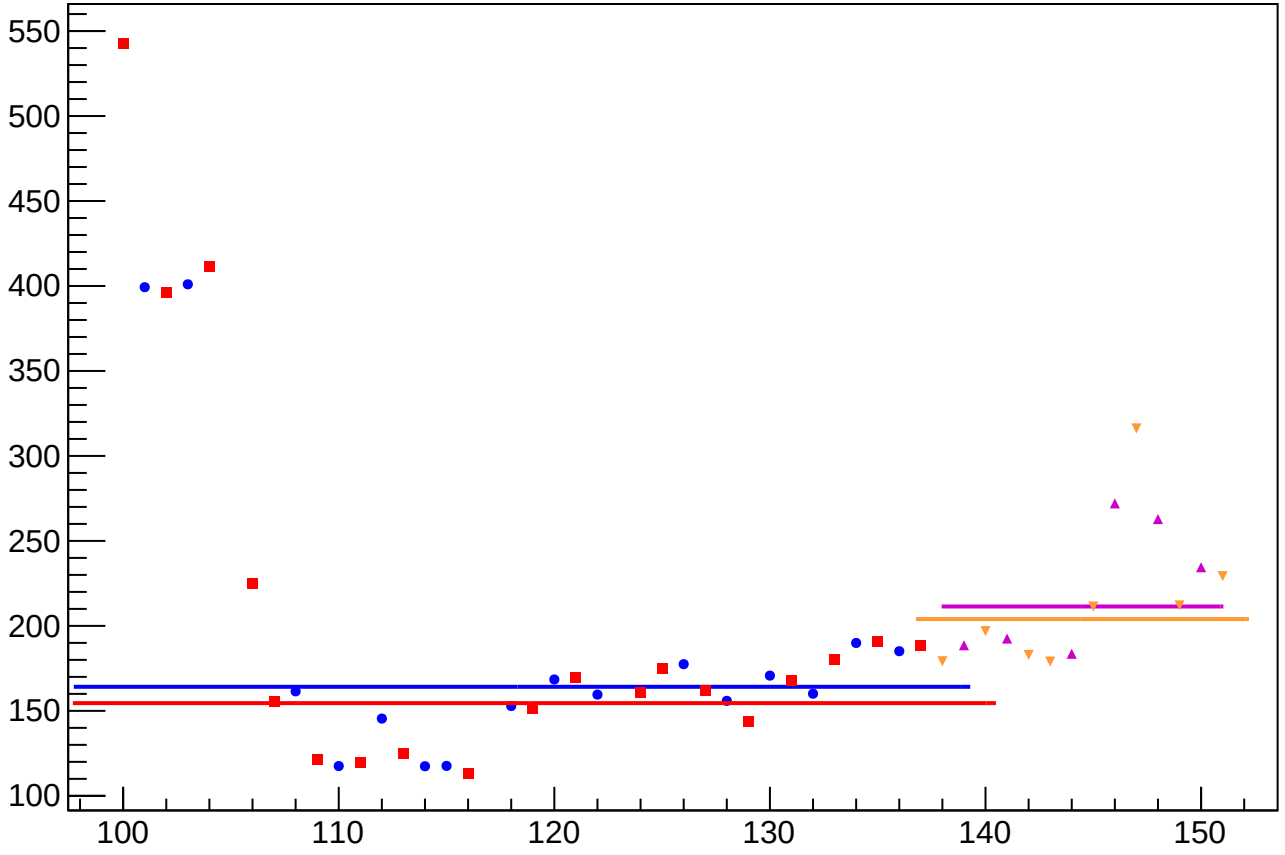
Left In: 144569.426+/-0.094 χ^2/NDF:243828160.7/5

+ sign 143629.476+/-0.052 χ^2/NDF: 772388335.7/2

All: 143564.678+/-0.036 χ^2/NDF: 12519241

- sign 143501.185+/-0.051 χ^2/NDF: 476407975.7/2

yield_bpm0l07WS_rms vs Slug



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 204.014+/-0.060 χ^2/NDF:303343.5/7

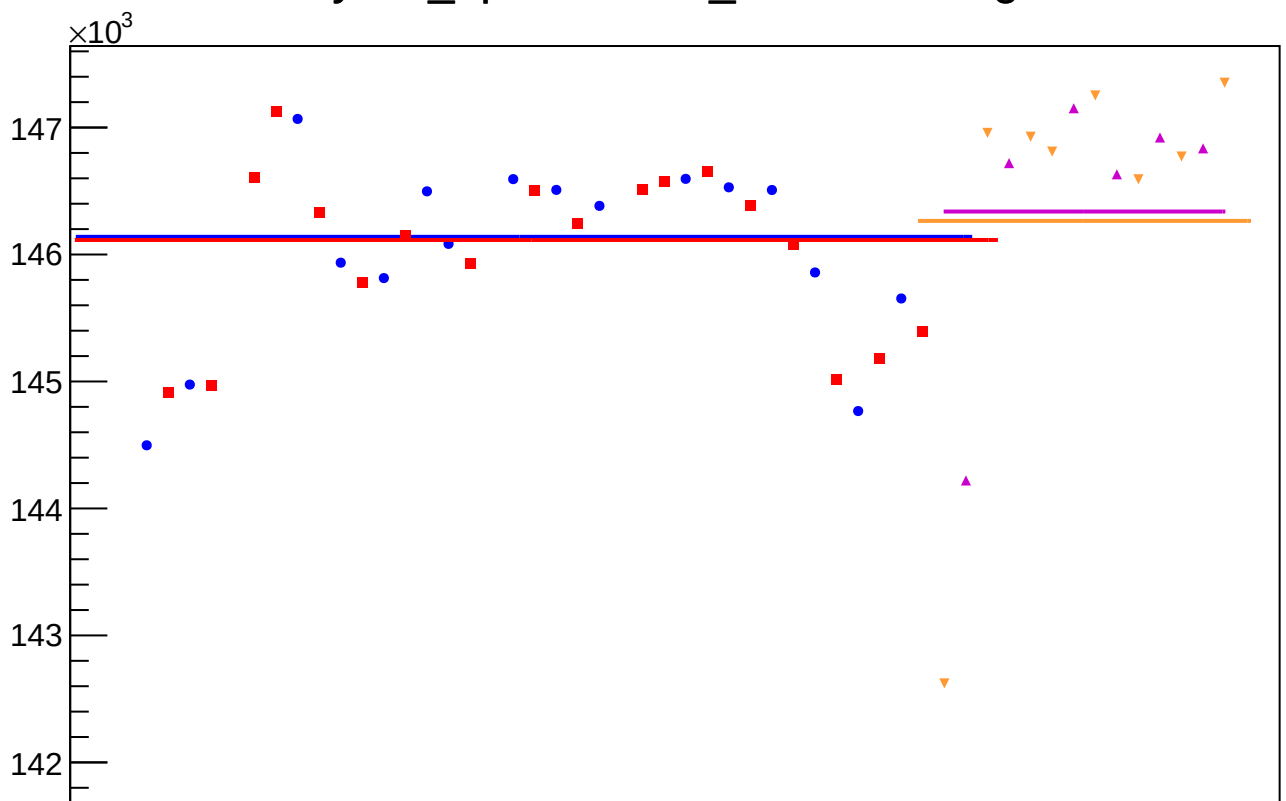
Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 211.416+/-0.067 χ^2/NDF:247218.8/5

+ sign 179.012+/-0.036 χ^2/NDF: 1712418.8/23

All: 175.051+/-0.026 χ^2/NDF: 3863292.0/48

- sign 171.169+/-0.036 χ^2/NDF: 2127494.3/24



Right In: 146139.237+/-0.067 χ^2/NDF: 71721843.8/15

Left Out: 146264.713+/-0.083 χ^2/NDF:374596675.2/7

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

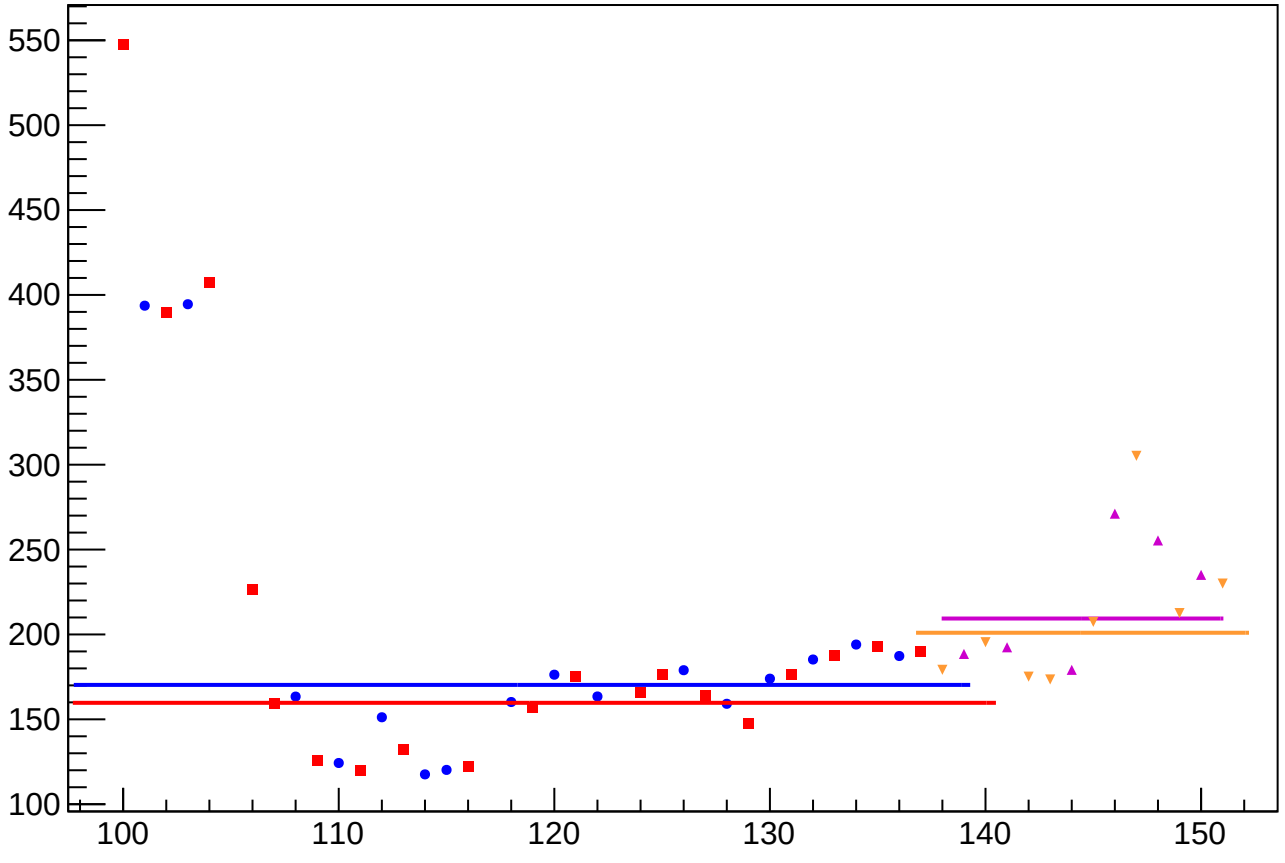
Left In: 146338.484+/-0.094 χ^2/NDF:136128671.3/5

+ sign 146189.010+/-0.052 χ^2/NDF: 447693631.0/2

All: 146186.285+/-0.037 χ^2/NDF: 66089766

- sign 146183.601+/-0.052 χ^2/NDF: 213198653.9/2

yield_bpm0l08WS_rms vs Slug



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 201.000+/-0.059 χ^2/NDF:305189.2/7

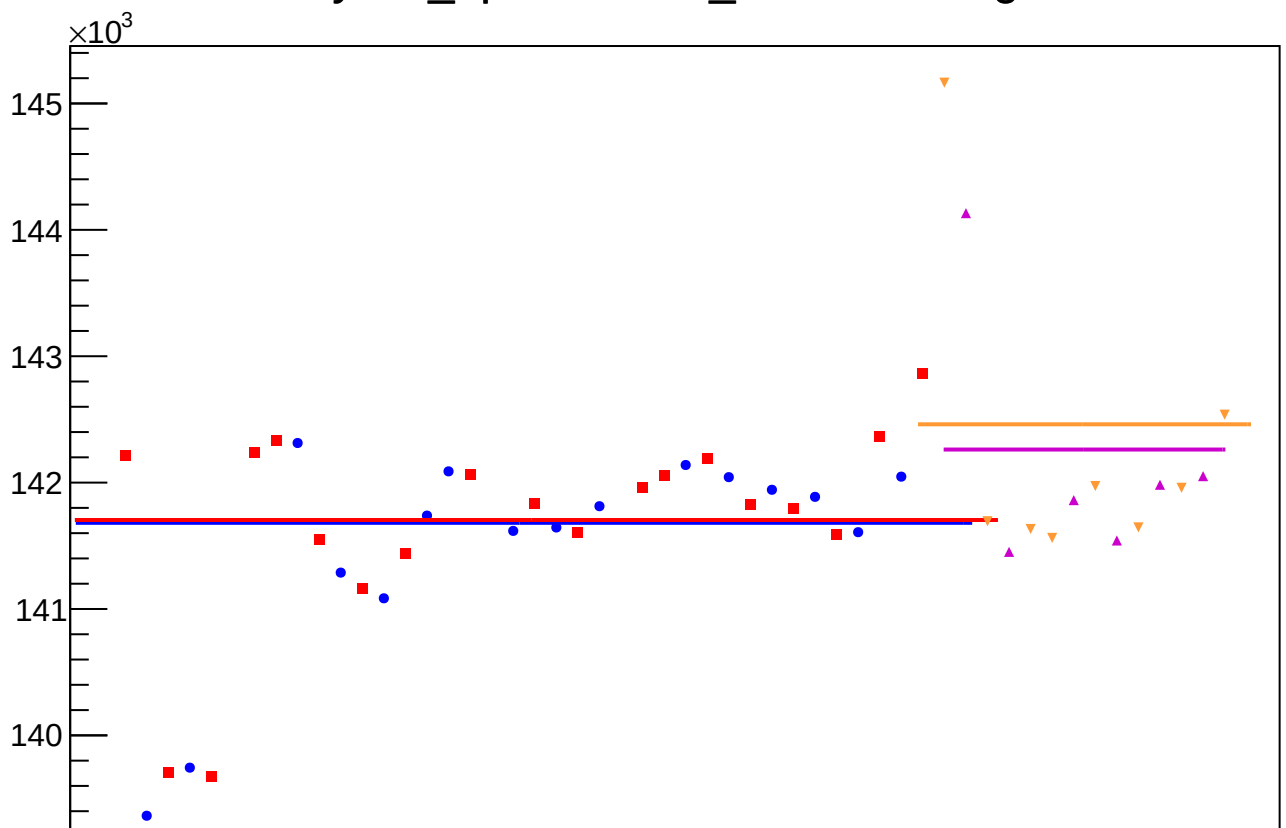
Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 209.380+/-0.066 χ^2/NDF:247678.4/5

+ sign 182.465+/-0.037 χ^2/NDF: 1527686.3/23

All: 178.729+/-0.026 χ^2/NDF: 3476757.8/48

- sign 175.049+/-0.037 χ^2/NDF: 1928850.2/24



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 142461.380+/-0.089 χ^2/NDF:204965029.5/7

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

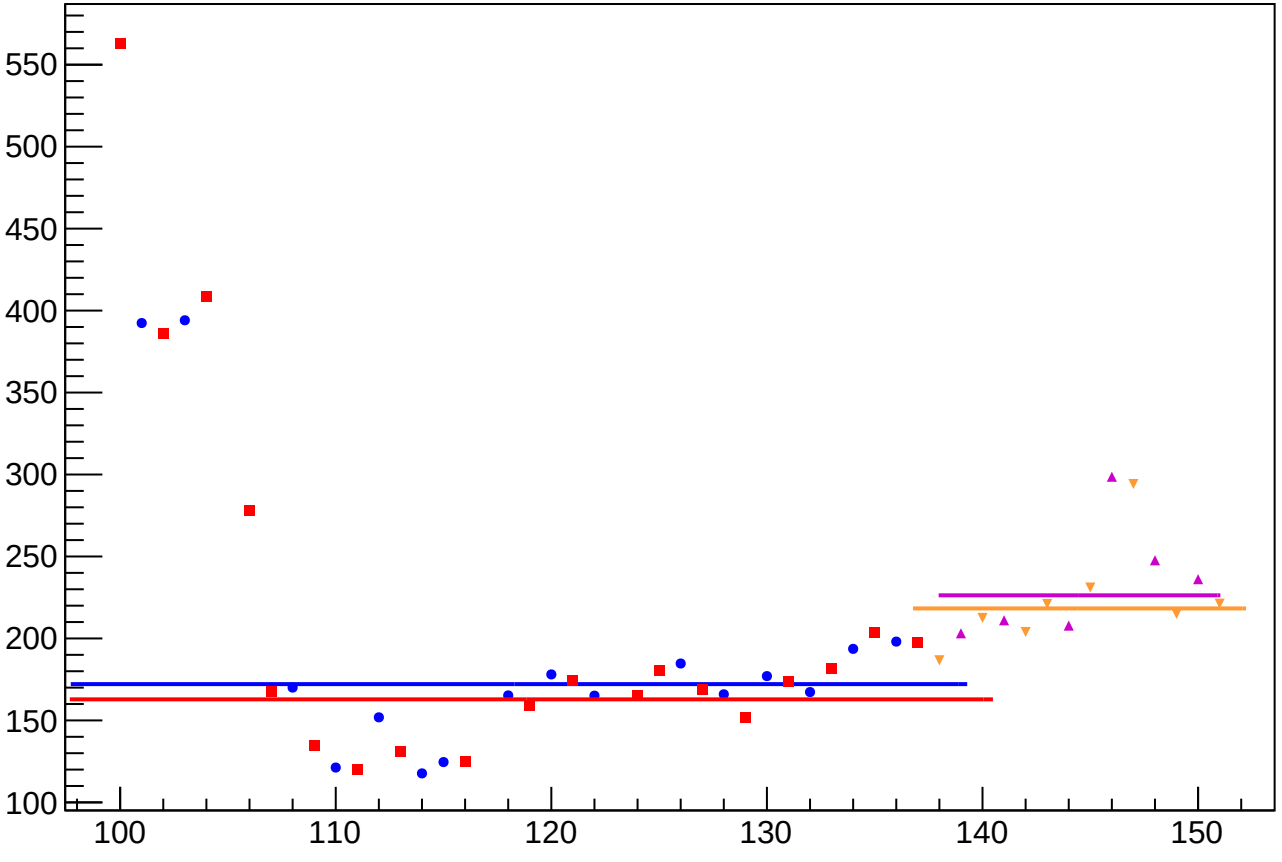
Left In: 142261.694+/-0.101 χ^2/NDF:93530364.8/5

+ sign 141968.858+/-0.054 χ^2/NDF: 317262106.5/2

All: 141916.051+/-0.038 χ^2/NDF: 50009218

- sign 141863.991+/-0.054 χ^2/NDF: 180949527.6/2

yield_bpm0l09WS_rms vs Slug



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 218.310+/-0.063 χ^2/NDF:164132.8/7

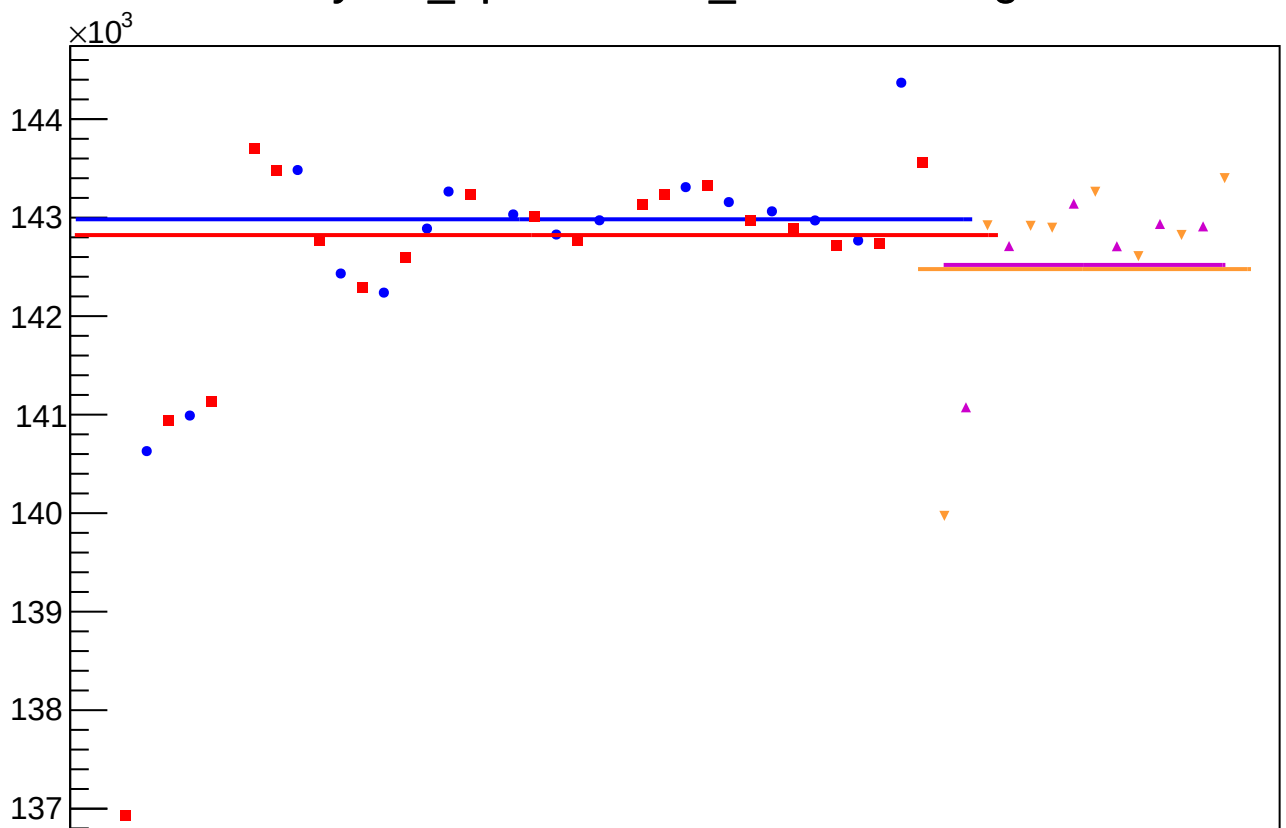
Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 226.310+/-0.071 χ^2/NDF:161686.3/5

+ sign 189.138+/-0.038 χ^2/NDF: 1569525.0/23

All: 185.059+/-0.027 χ^2/NDF: 3626916.5/48

- sign 181.037+/-0.038 χ^2/NDF: 2034942.5/24



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 142477.436+/-0.082 χ^2/NDF:199569776.4/7

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

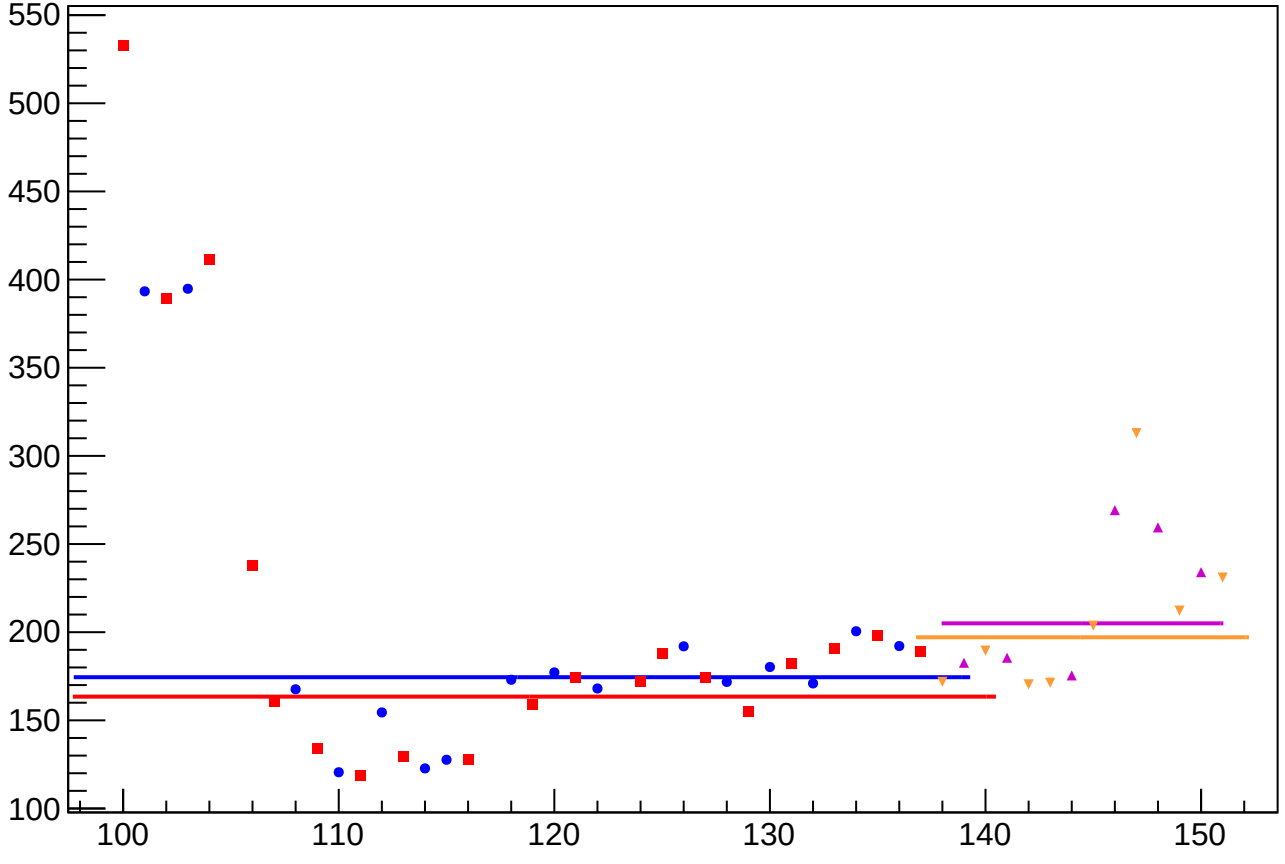
Left In: 142519.907+/-0.092 χ^2/NDF:69293845.3/5

+ sign 142771.761+/-0.053 χ^2/NDF: 329626447.7/2

All: 142747.483+/-0.037 χ^2/NDF: 47025770

- sign 142723.424+/-0.052 χ^2/NDF: 140209225.3/2

yield_bpm0l10WS_rms vs Slug



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 197.108+/-0.058 χ^2/NDF:361589.3/7

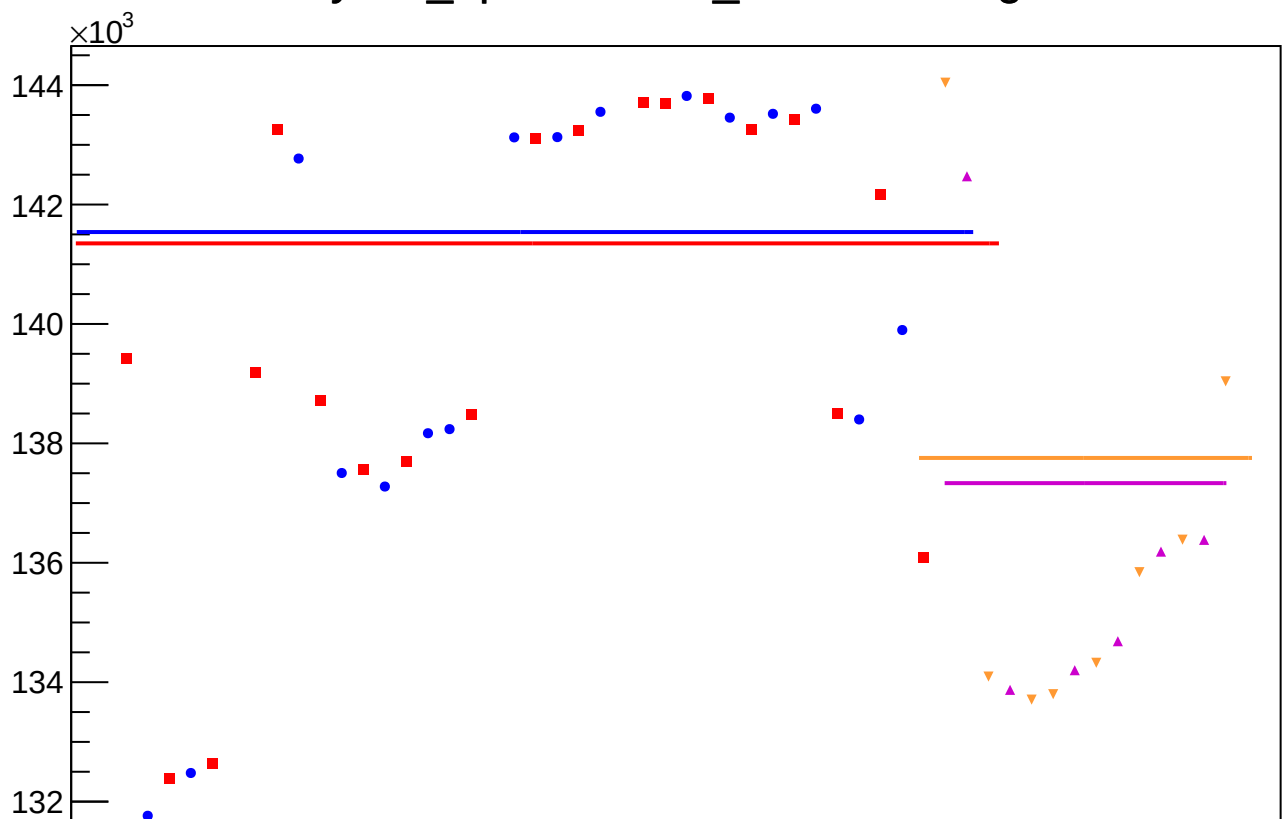
Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 205.013+/-0.065 χ^2/NDF:291552.9/5

+ sign 183.927+/-0.037 χ^2/NDF: 1500401.7/23

All: 180.487+/-0.026 χ^2/NDF: 3367739.8/48

- sign 177.078+/-0.037 χ^2/NDF: 1850393.3/24



Right In: 141539.467+/-0.101 χ^2/NDF: 947743743.7/15

Left Out: 137755.961+/-0.128 χ^2/NDF:1076115743.4/7

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

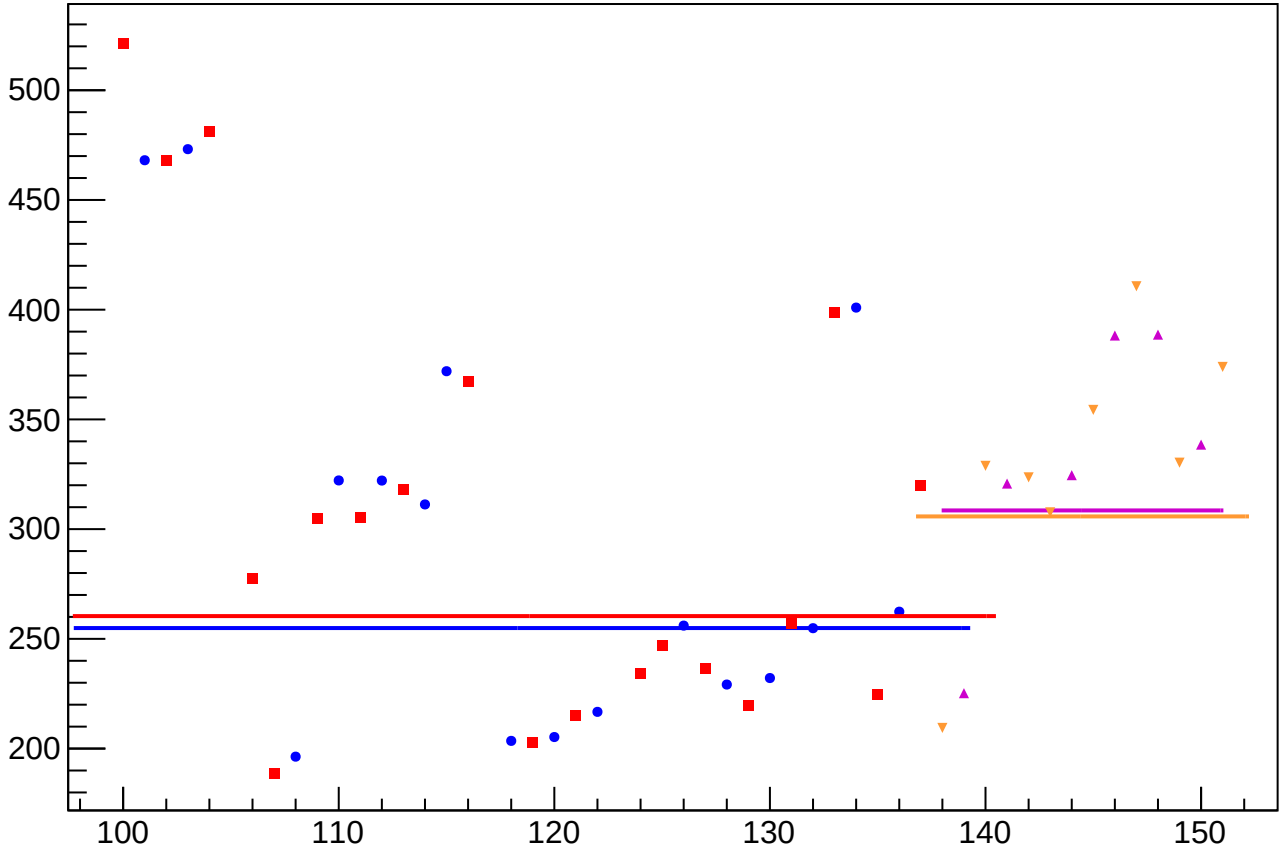
Left In: 137333.923+/-0.140 χ^2/NDF:652535426.0/5

+ sign 140095.306+/-0.079 χ^2/NDF: 2561507135.1

All: 140037.805+/-0.057 χ^2/NDF: 468175523

- sign 139976.313+/-0.082 χ^2/NDF: 2119159223.0/

yield_bpm0r03WS_rms vs Slug



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 305.791+/-0.091 χ^2/NDF:526941.7/7

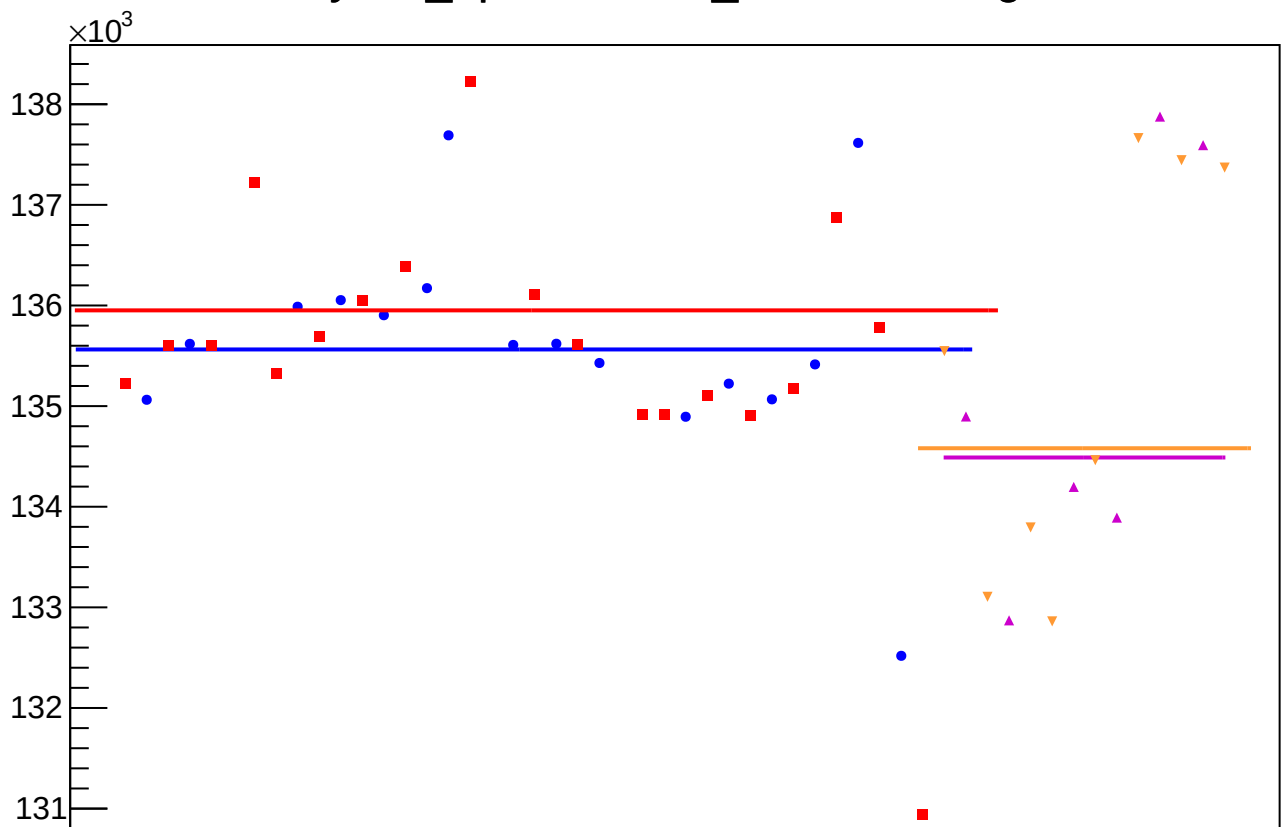
Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 308.523+/-0.099 χ^2/NDF:380249.9/5

\+ sign 274.337+/-0.056 χ^2/NDF: 1671289.5/23

All: 275.544+/-0.040 χ^2/NDF: 3201098.5/48

\- sign 276.836+/-0.058 χ^2/NDF: 1528848.6/24



Right In: 135563.062+/-0.118 χ^2/NDF: 94169293.7/15

Left Out: 134581.339+/-0.093 χ^2/NDF:306280363.3/7

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

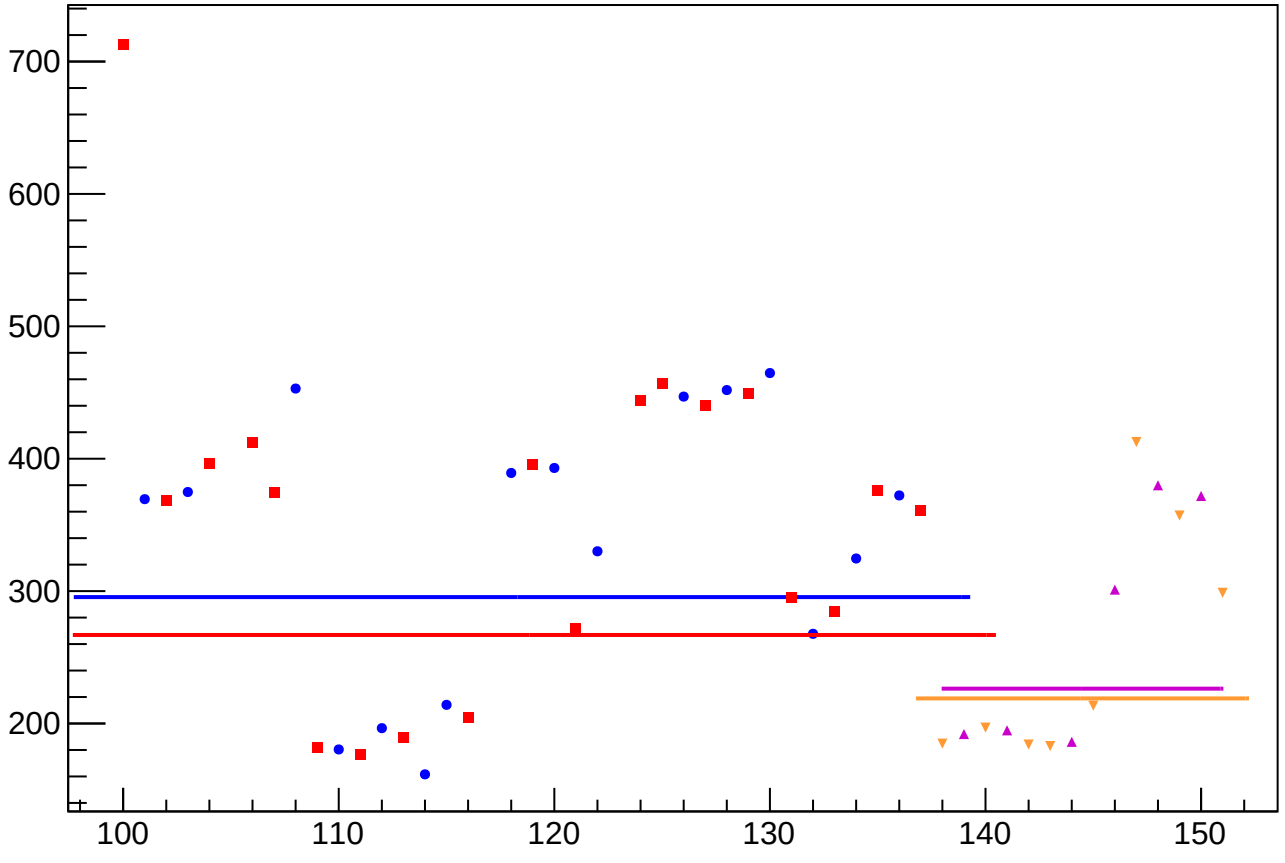
Left In: 134489.306+/-0.105 χ^2/NDF:195184333.4/5

+ sign 134958.476+/-0.073 χ^2/NDF: 442821957.5/2

All: 135081.372+/-0.052 χ^2/NDF: 831347210

- sign 135208.420+/-0.075 χ^2/NDF: 382816934.3/2

yield_bpm0r05WS_rms vs Slug



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 218.955+/-0.066 χ^2/NDF:885654.6/7

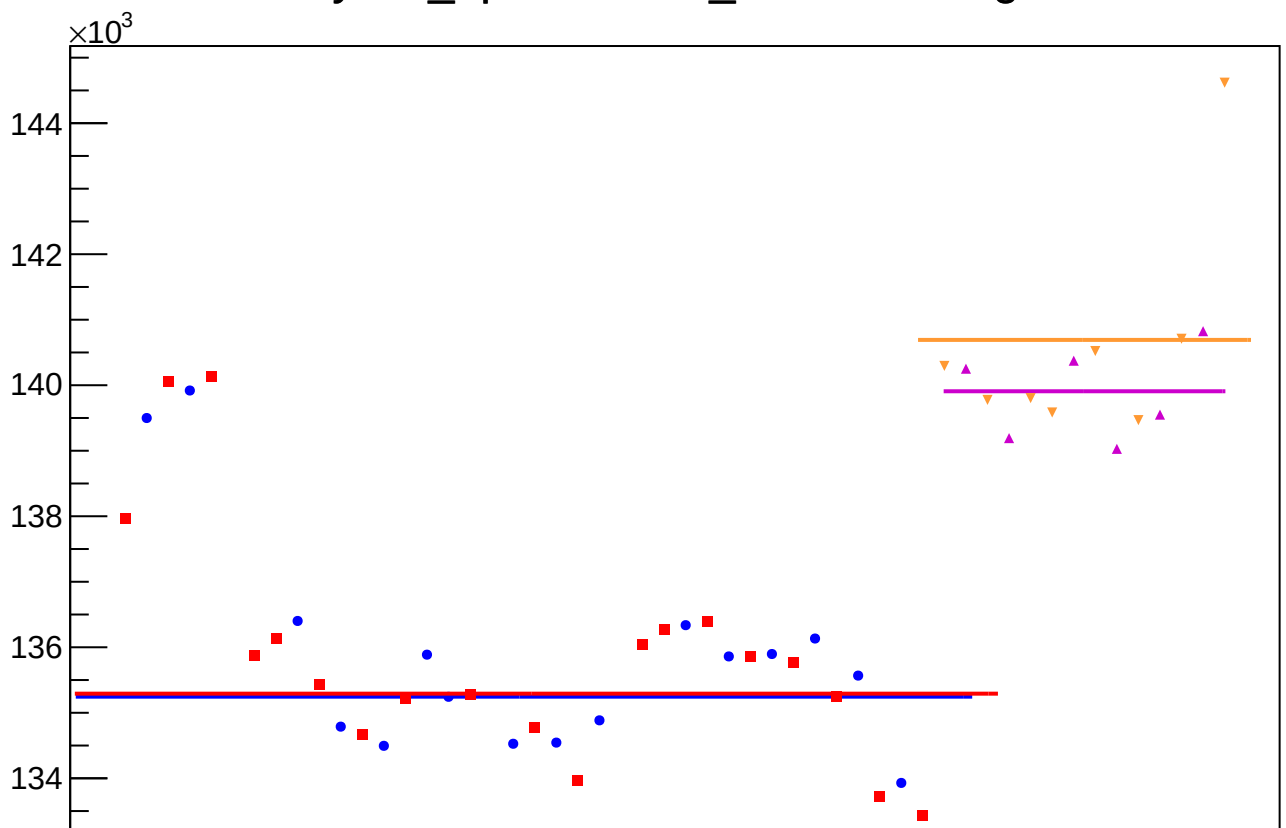
Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 226.324+/-0.074 χ^2/NDF:823242.0/5

+ sign 248.353+/-0.052 χ^2/NDF: 2843120.3/23

All: 247.325+/-0.037 χ^2/NDF: 5492911.2/48

- sign 246.262+/-0.053 χ^2/NDF: 2648991.6/24



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 140691.817+/-0.079 χ^2/NDF:449723757.8/7

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

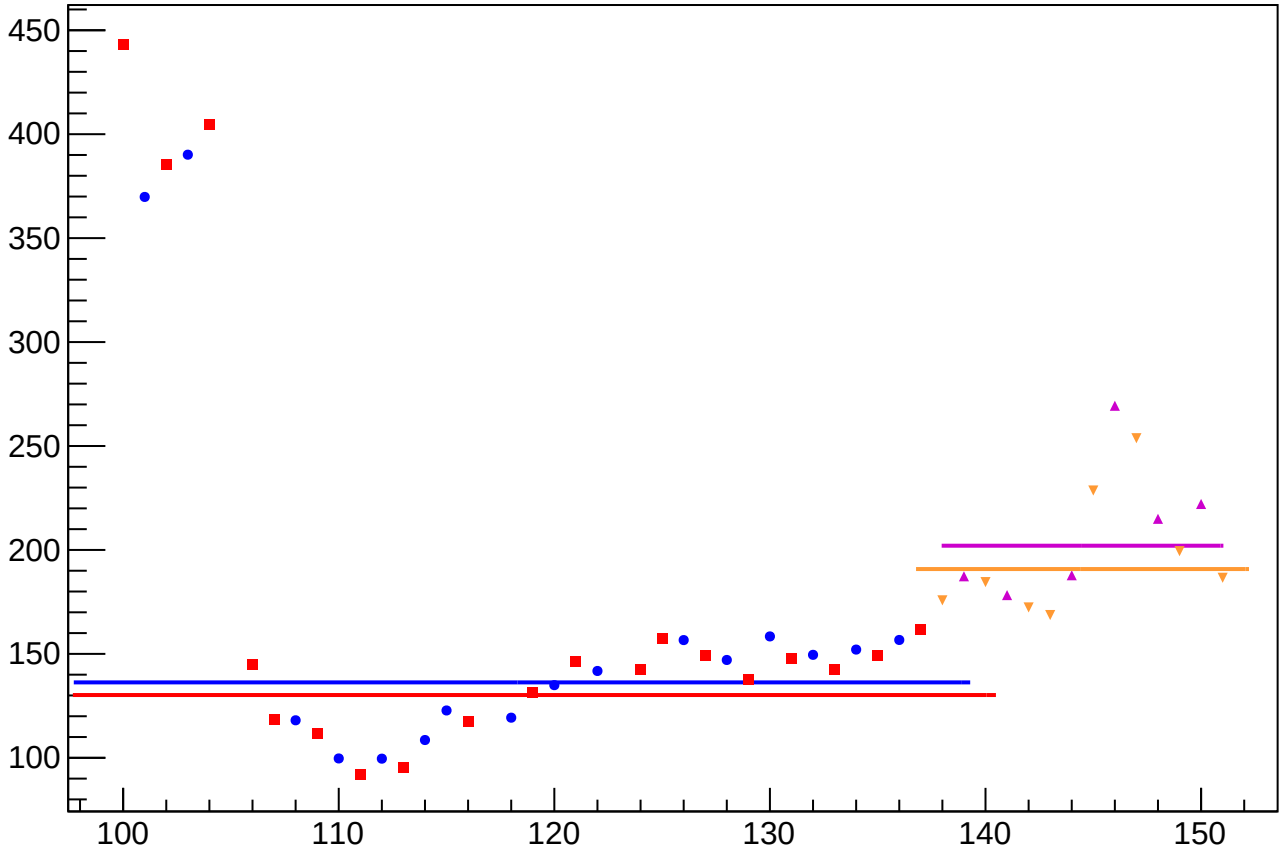
Left In: 139907.846+/-0.090 χ^2/NDF:48292668.8/5

+ sign 137020.258+/-0.045 χ^2/NDF: 4064163132.8

All: 136727.129+/-0.032 χ^2/NDF: 6548901

- sign 136434.564+/-0.045 χ^2/NDF: 2399703342.9

yield_bpm0i02WS_rms vs Slug



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 190.811+/-0.056 χ^2/NDF:192456.8/7

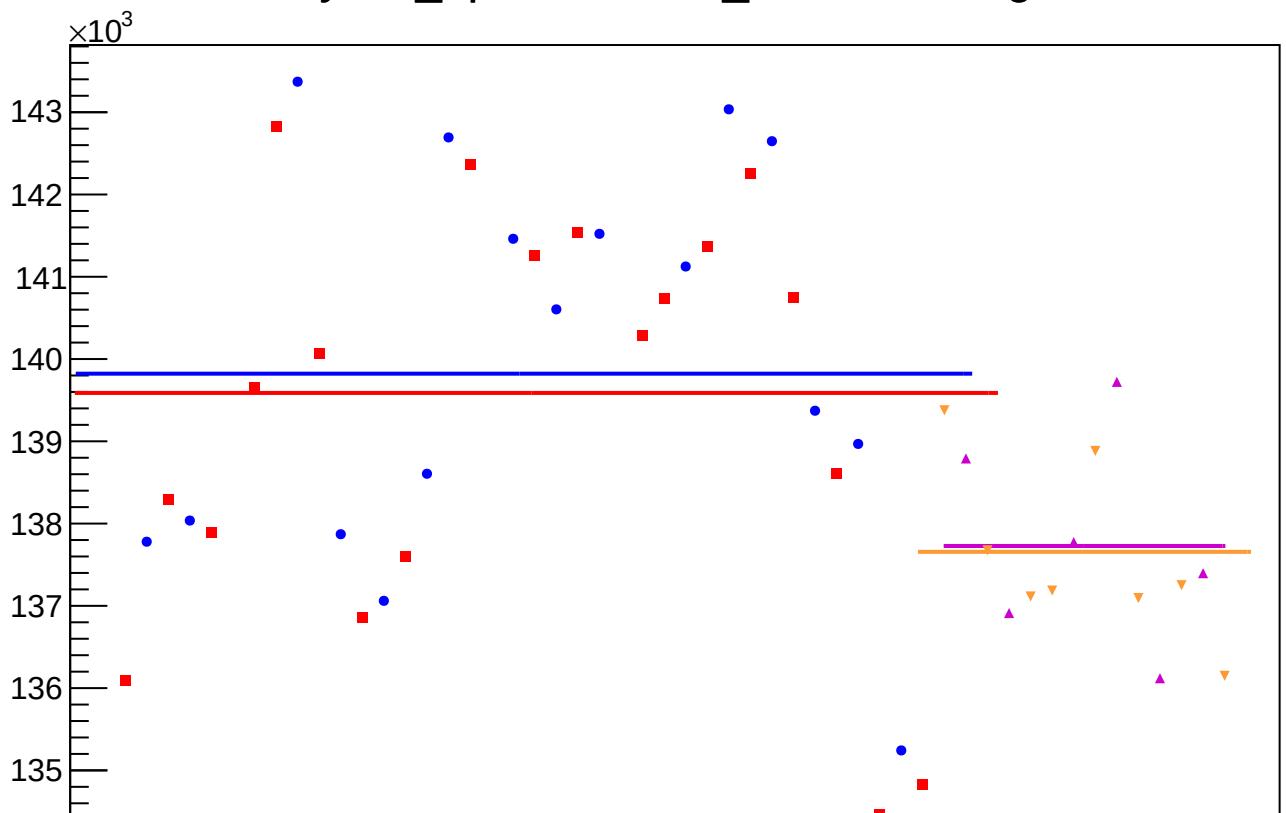
Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 202.038+/-0.064 χ^2/NDF:176288.3/5

+ sign 154.048+/-0.032 χ^2/NDF: 2223391.4/23

All: 151.015+/-0.022 χ^2/NDF: 4892664.3/48

- sign 147.988+/-0.032 χ^2/NDF: 2651068.9/24



Right In: 139822.122+/-0.063 χ^2/NDF: 1663381581.4/15

Left Out: 137656.593+/-0.080 χ^2/NDF:164620006.1/7

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

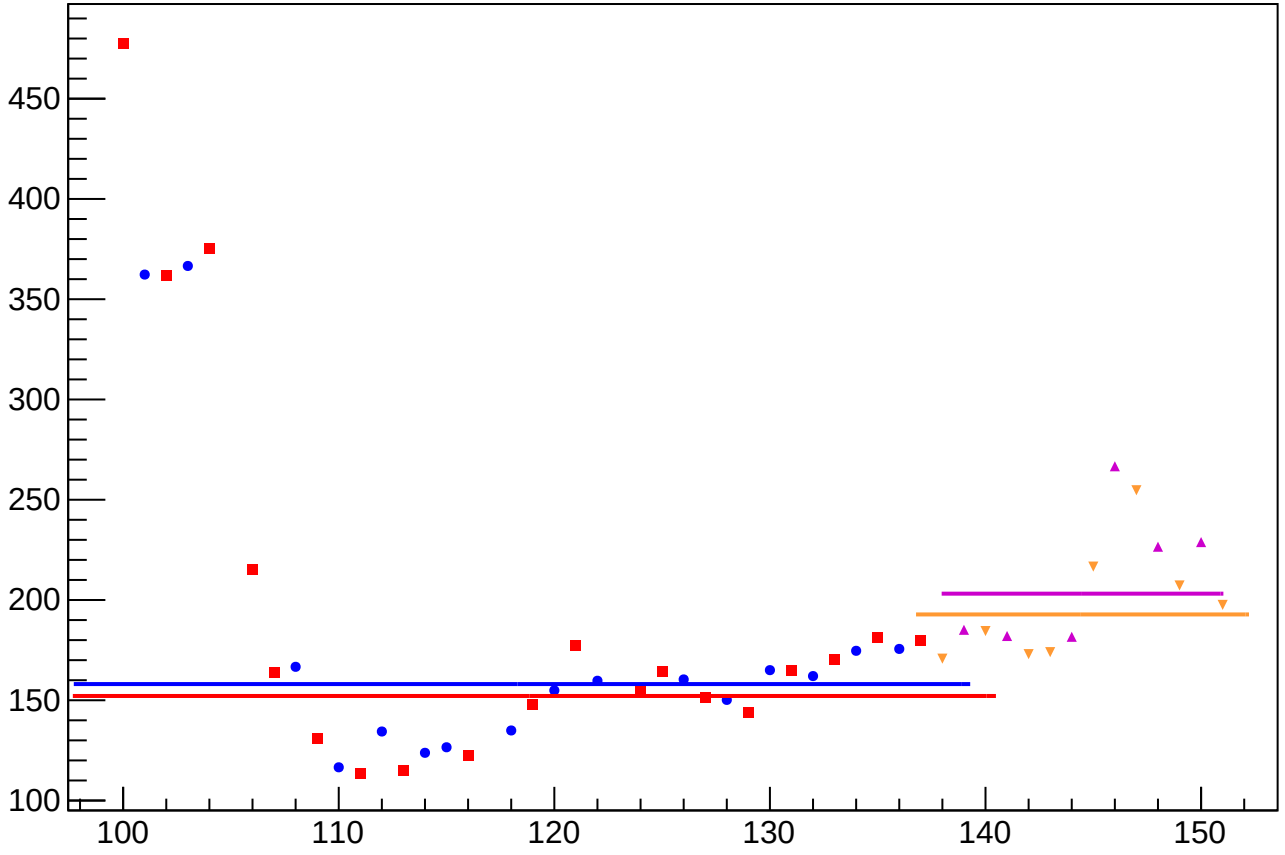
Left In: 137727.649+/-0.091 χ^2/NDF:135131227.7/5

+ sign 138995.087+/-0.049 χ^2/NDF: 2285146153.2

All: 139010.555+/-0.035 χ^2/NDF: 41961747

- sign 139026.464+/-0.050 χ^2/NDF: 1910828136.7/

yield_bpm0i02aWS_rms vs Slug



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 192.802+/-0.056 χ^2/NDF:180623.6/7

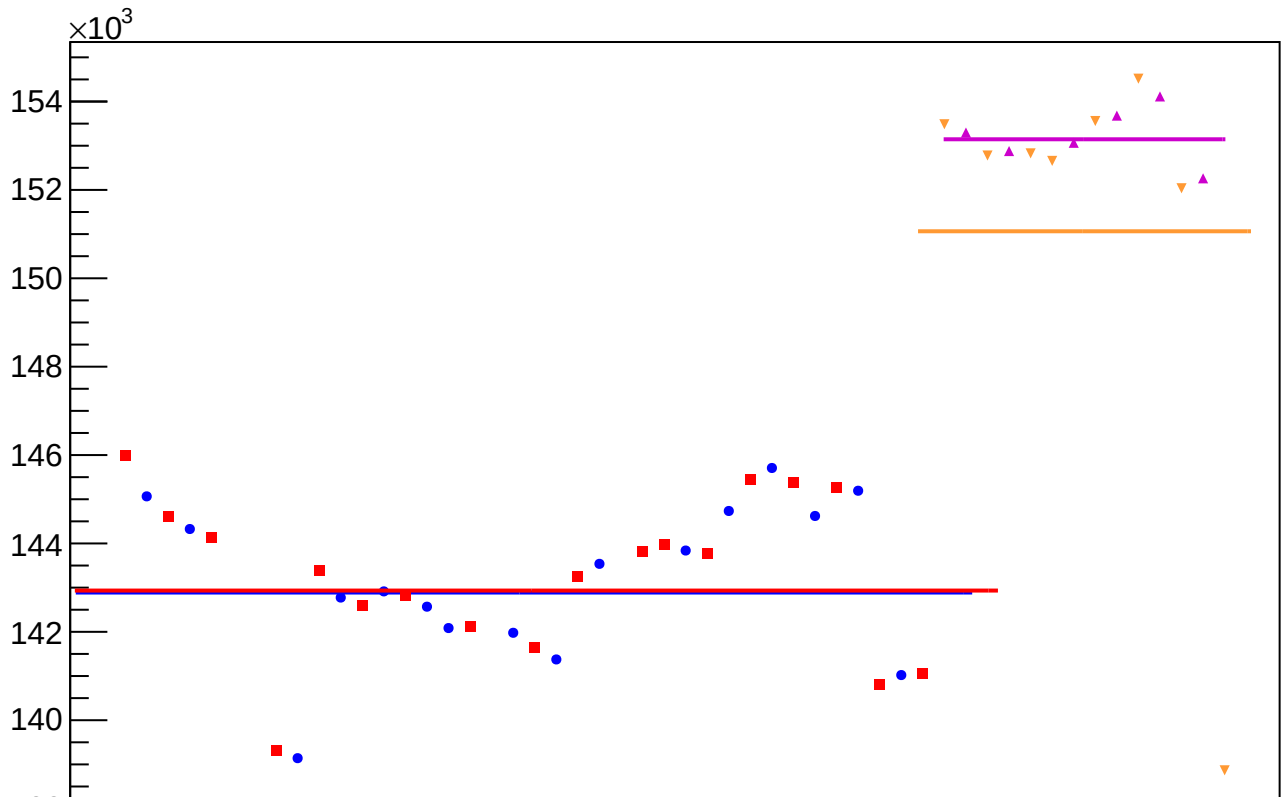
Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 203.161+/-0.064 χ^2/NDF:200780.0/5

+ sign 171.340+/-0.035 χ^2/NDF: 1433621.6/23

All: 169.466+/-0.025 χ^2/NDF: 3309834.7/48

- sign 167.537+/-0.035 χ^2/NDF: 1870324.4/24



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 151064.077+/-0.080 χ^2/NDF:3807317702.6/7

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

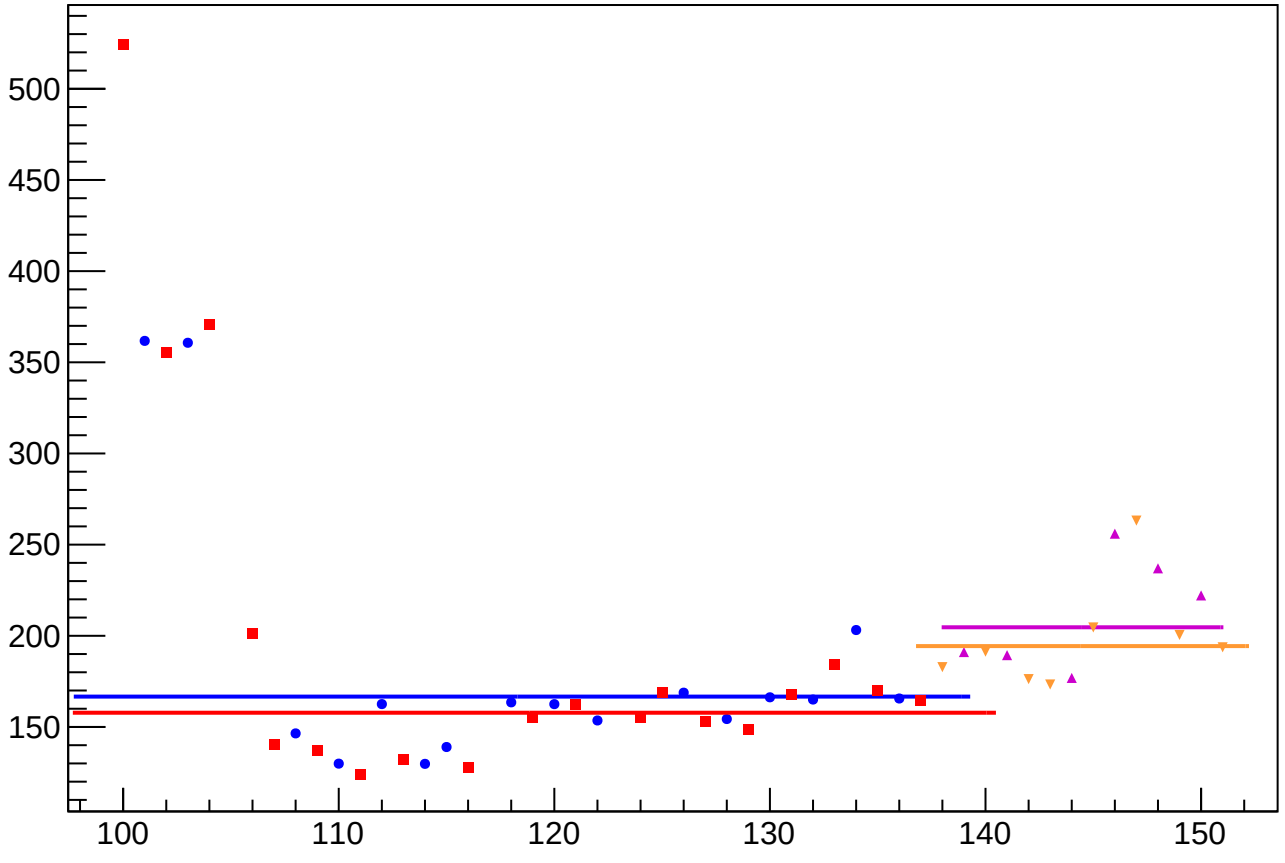
Left In: 153145.754+/-0.091 χ^2/NDF:33717374.9/5

+ sign 146184.986+/-0.051 χ^2/NDF: 10814816406.2

All: 146161.161+/-0.036 χ^2/NDF: 20274564

- sign 146137.116+/-0.051 χ^2/NDF: 9459305315.7/2

yield_bpm0i05WS_rms vs Slug



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 194.351+/-0.057 χ^2/NDF:155649.0/7

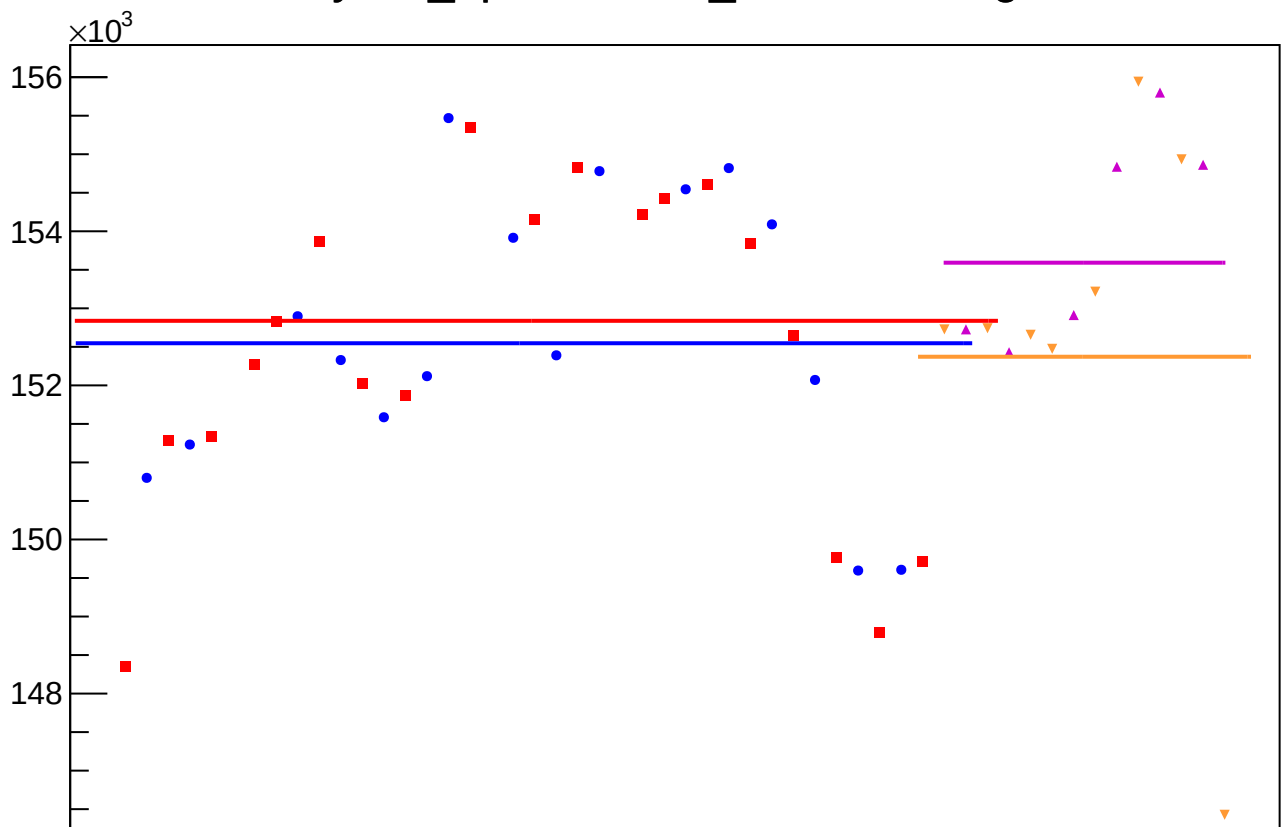
Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 204.671+/-0.064 χ^2/NDF:174101.8/5

+ sign 177.822+/-0.036 χ^2/NDF: 1162563.3/23

All: 175.177+/-0.025 χ^2/NDF: 2733723.8/48

- sign 172.508+/-0.036 χ^2/NDF: 1560248.6/24



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 152371.796+/-0.080 χ^2/NDF:1012462009.5/7

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

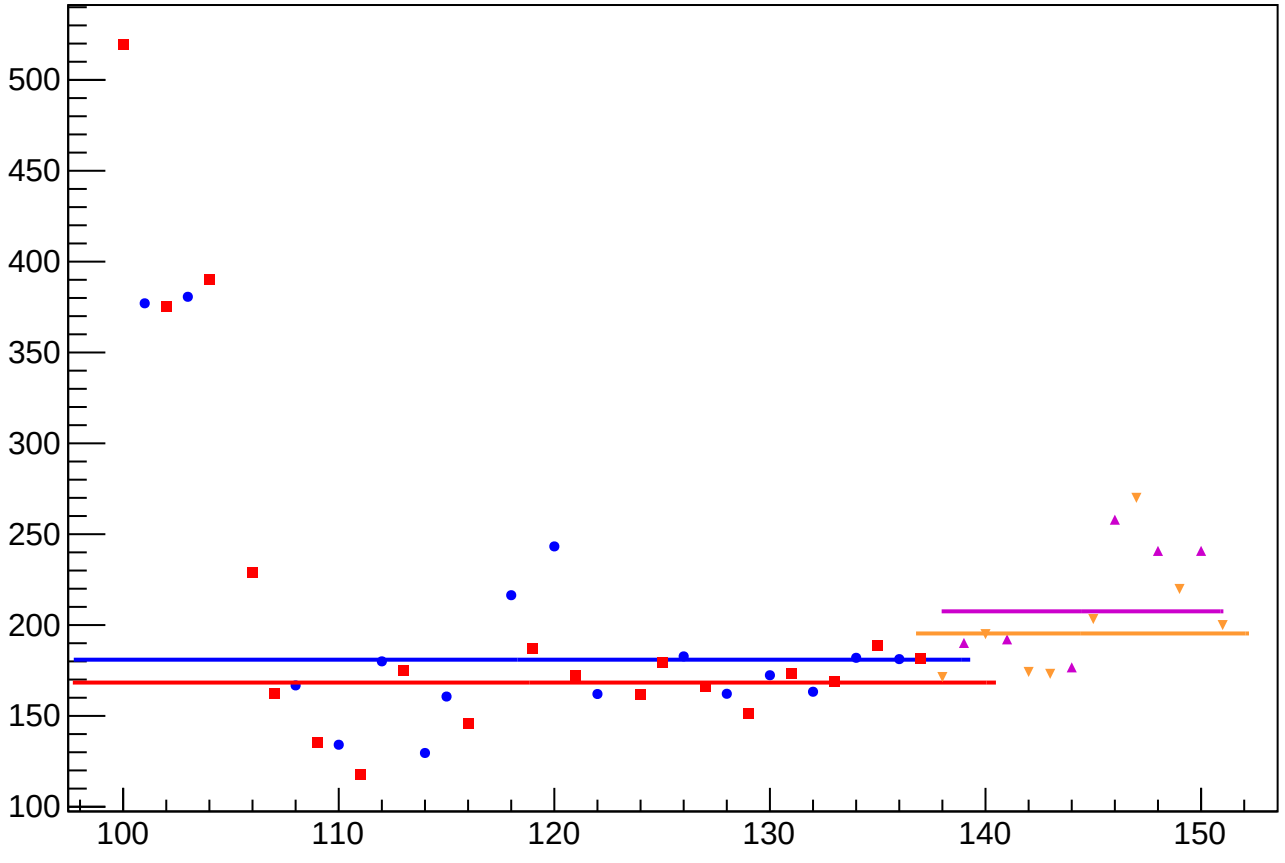
Left In: 153592.305+/-0.092 χ^2/NDF:175277289.0/5

+ sign 152468.046+/-0.054 χ^2/NDF: 1669621124.5

All: 152781.082+/-0.038 χ^2/NDF: 26935837

- sign 153096.490+/-0.054 χ^2/NDF: 956089156.6/2

yield_bpm0i07WS_rms vs Slug



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 195.372+/-0.057 χ^2/NDF:217147.7/7

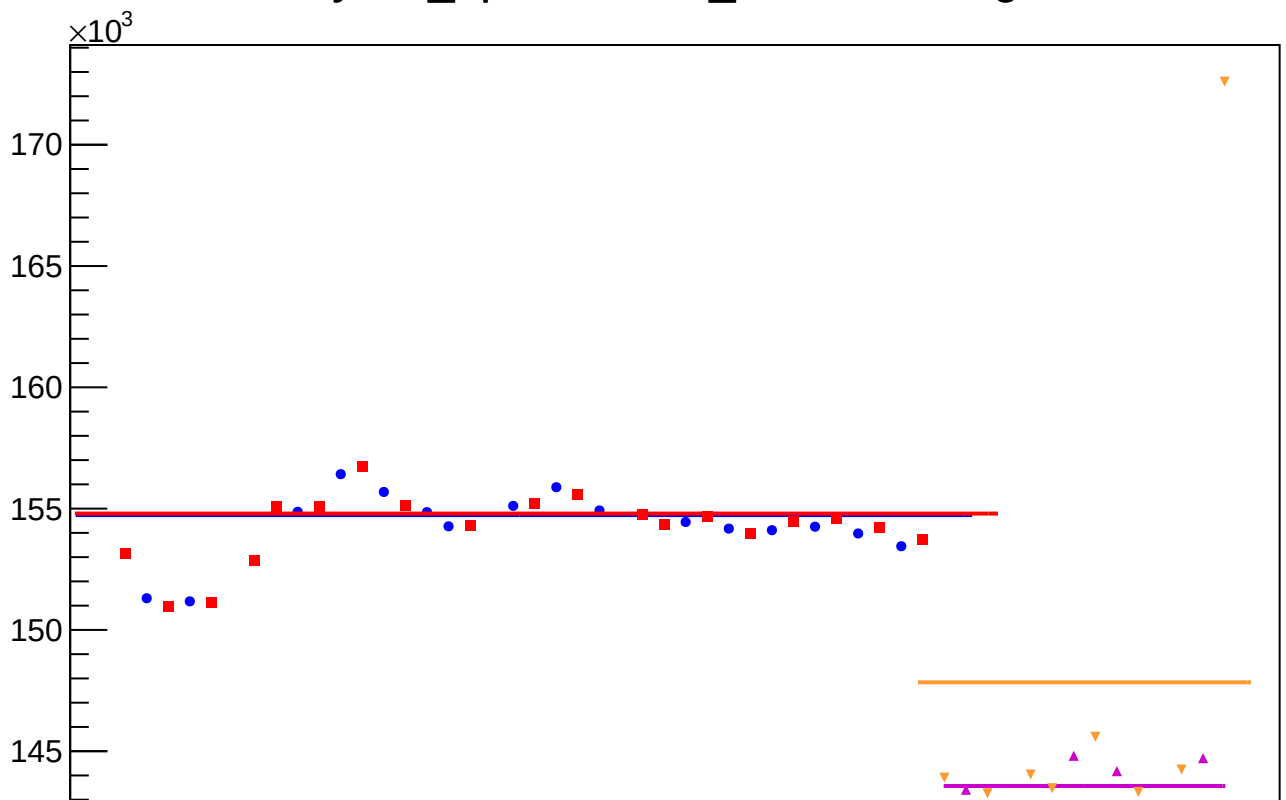
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 207.548+/-0.065 χ^2/NDF:210688.8/5

+ sign 187.438+/-0.038 χ^2/NDF: 1160489.7/23

All: 184.623+/-0.027 χ^2/NDF: 2708319.0/48

- sign 181.786+/-0.038 χ^2/NDF: 1536848.2/24



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 147839.744+/-0.073 χ^2/NDF:18765146321.077

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

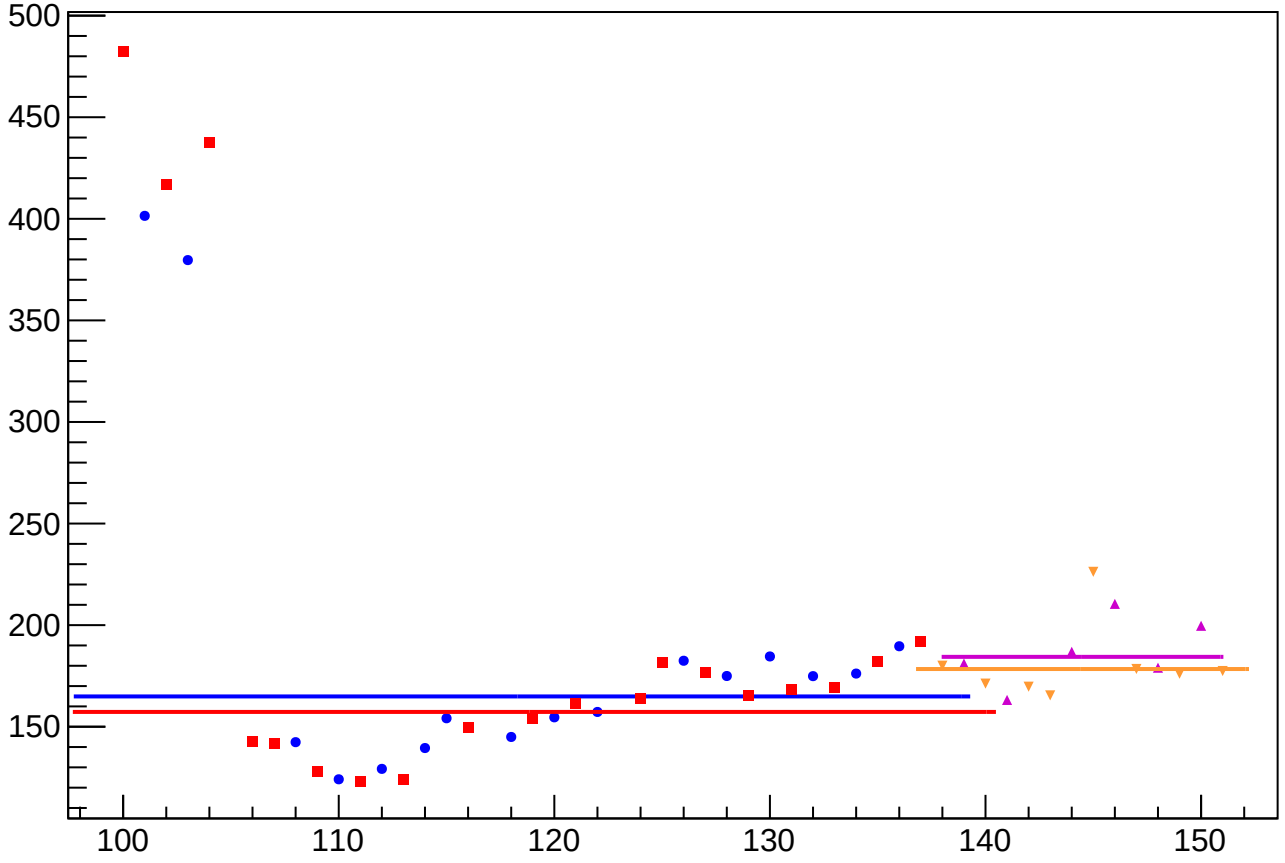
Left In: 143566.302+/-0.081 χ^2/NDF:149857660.0/5

+ sign 151656.654+/-0.049 χ^2/NDF: 24029143763.

All: 151200.063+/-0.034 χ^2/NDF: 3688148

- sign 150738.040+/-0.049 χ^2/NDF: 12674119012.

yield_bpm1i02WS_rms vs Slug



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 178.398+/-0.051 χ^2/NDF:87438.3/7

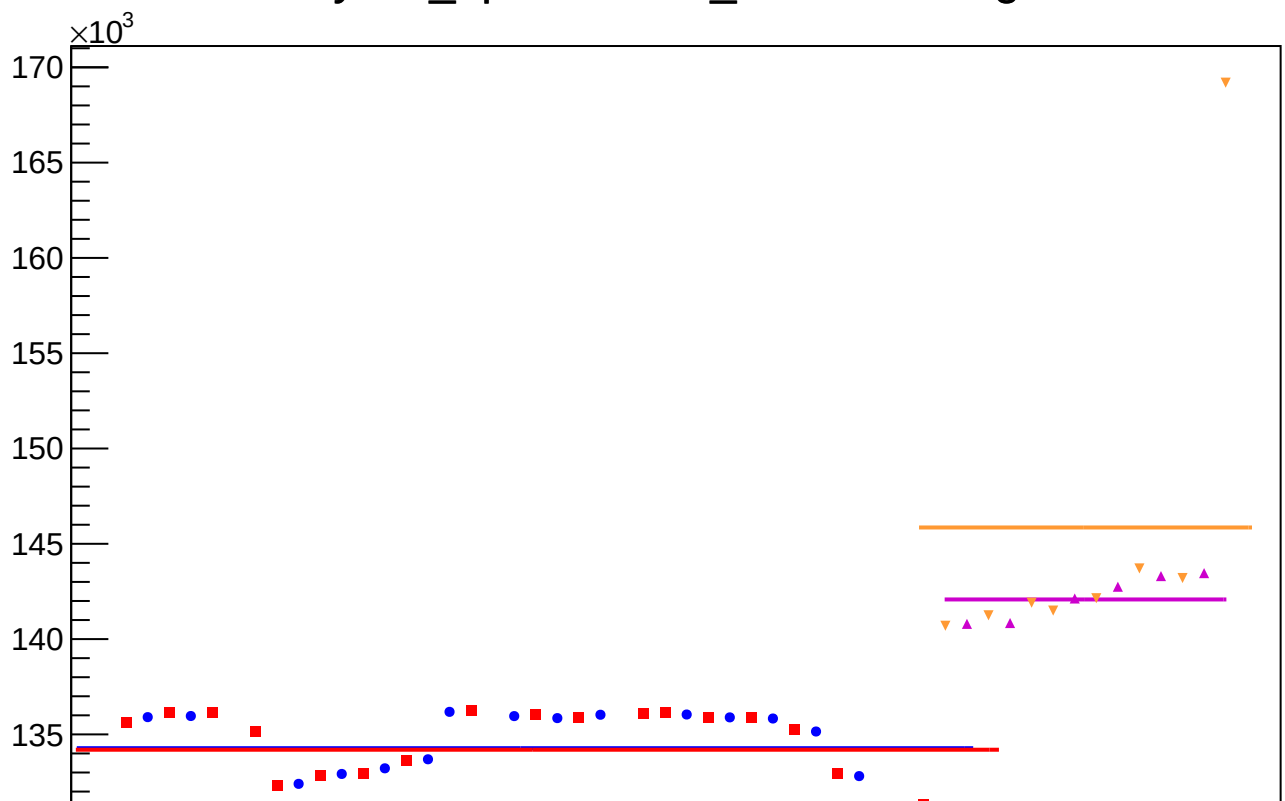
Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 184.392+/-0.057 χ^2/NDF:69102.8/5

+ sign 170.927+/-0.034 χ^2/NDF: 1198391.3/23

All: 169.015+/-0.024 χ^2/NDF: 2671012.2/48

- sign 167.079+/-0.035 χ^2/NDF: 1466364.9/24



Right In: 134276.096+/-0.051 χ^2/NDF: 1142867100.2/15

Left Out: 145856.475+/-0.071 χ^2/NDF:17643401566.0/7

Right Out: 134195.257+/-0.048 χ^2/NDF: 1205537499.7/18

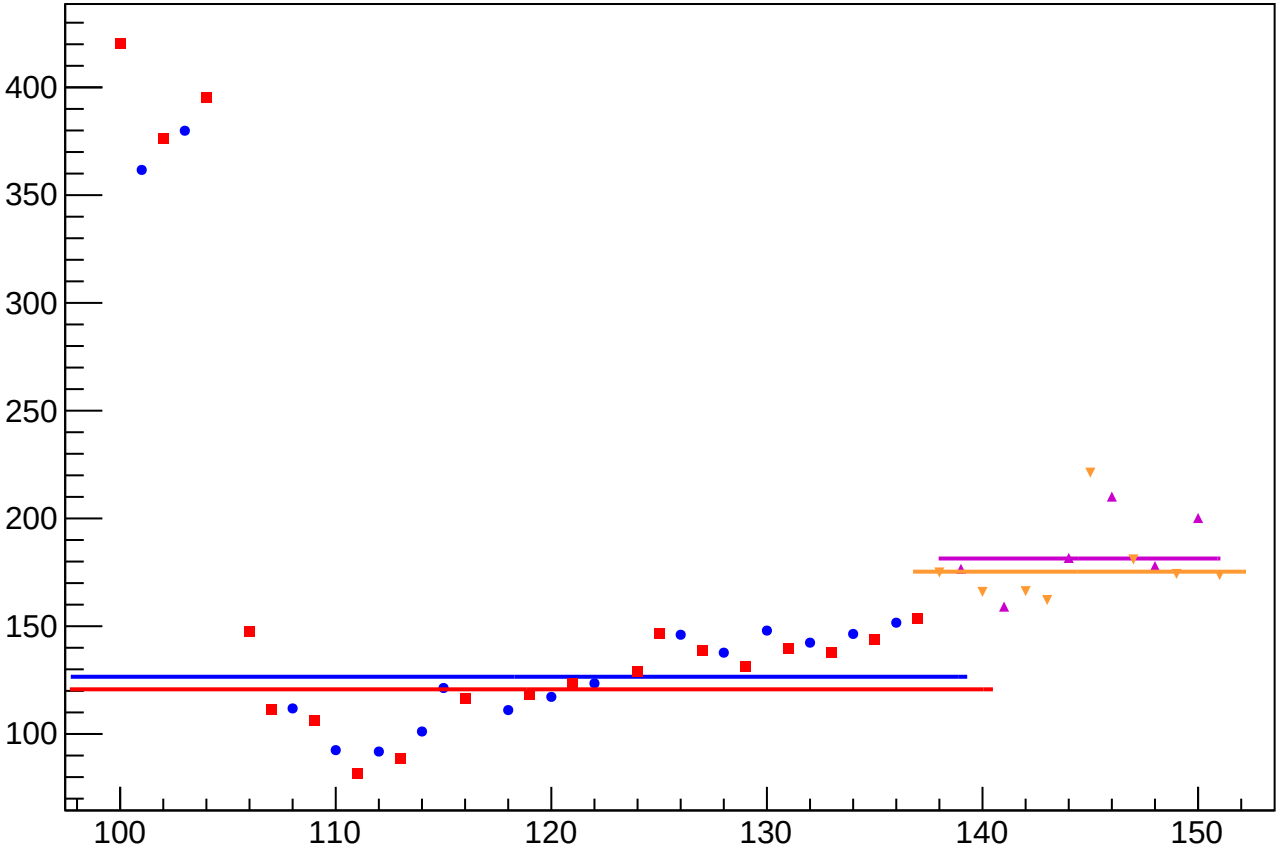
Left In: 142079.786+/-0.080 χ^2/NDF:186675270.3/5

+ sign 138167.316+/-0.041 χ^2/NDF: 36230356681.2

All: 137216.471+/-0.029 χ^2/NDF: 45803658

- sign 136277.549+/-0.041 χ^2/NDF: 8525685752.9/2

yield_bpm1i04WS_rms vs Slug



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 175.309+/-0.051 χ^2/NDF:89377.1/7

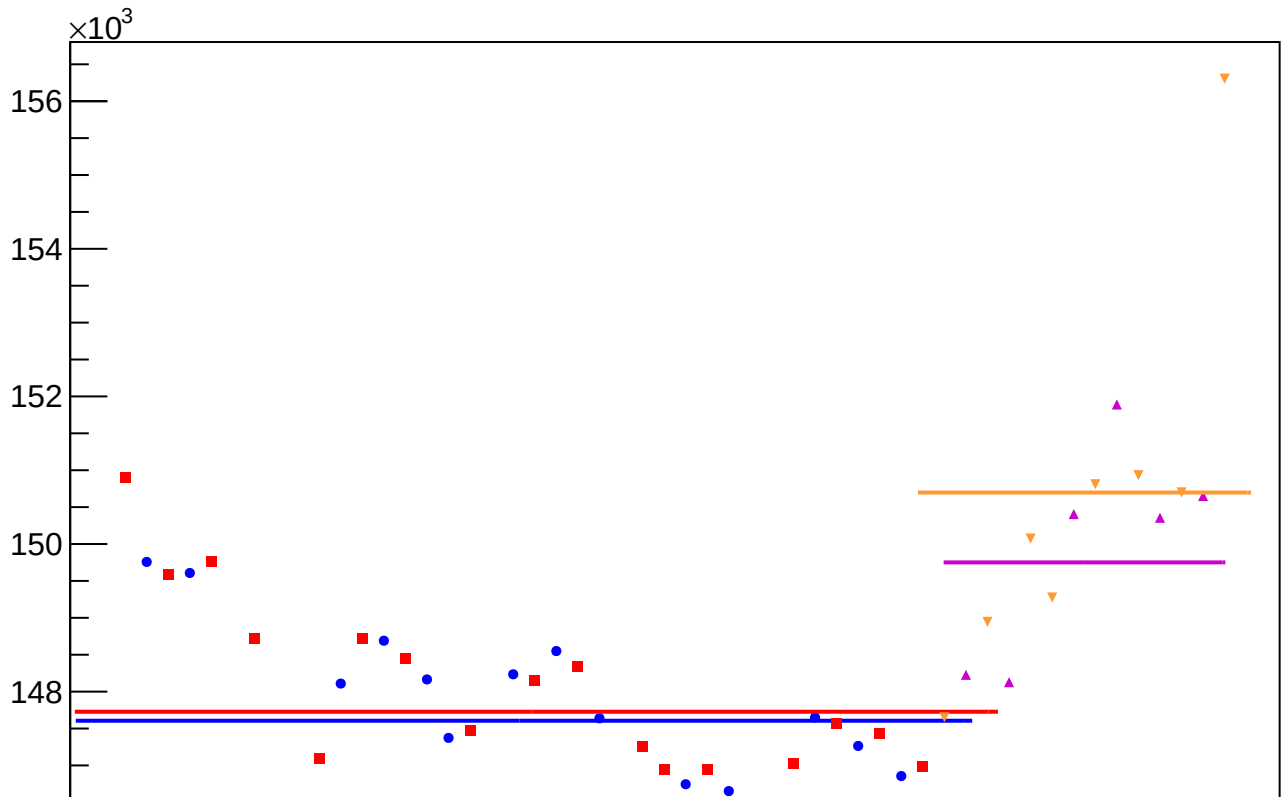
Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 181.410+/-0.057 χ^2/NDF:84306.8/5

+ sign 142.935+/-0.029 χ^2/NDF: 2185298.3/23

All: 139.823+/-0.021 χ^2/NDF: 4769992.3/48

- sign 136.750+/-0.029 χ^2/NDF: 2562255.9/24



Right In: 147605.604+/-0.062 χ^2/NDF: 200513366.5/15

Left Out: 150697.940+/-0.086 χ^2/NDF:963681436.6/7

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

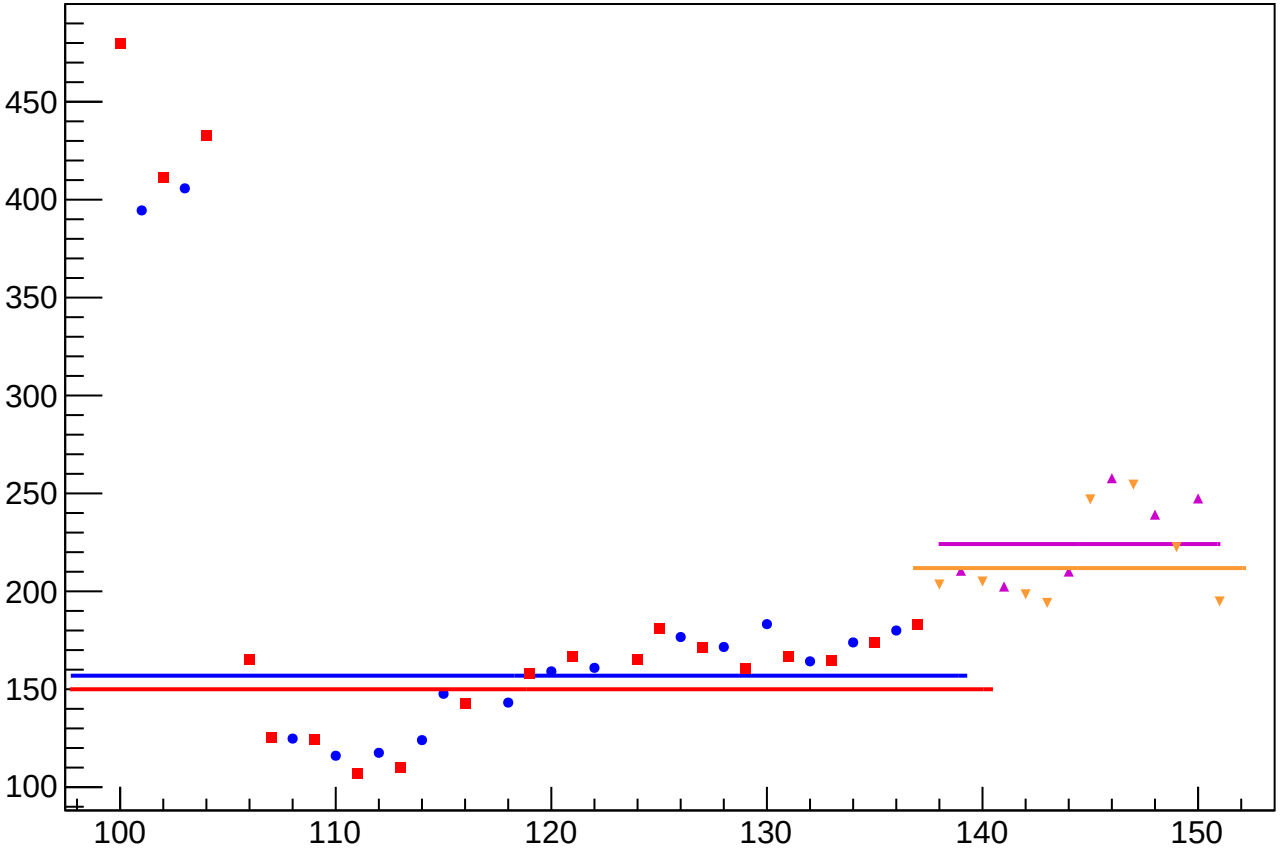
Left In: 149751.137+/-0.099 χ^2/NDF:186462411.5/5

+ sign 148668.073+/-0.051 χ^2/NDF: 2005983203.2/

All: 148463.552+/-0.036 χ^2/NDF: 27295862

- sign 148259.132+/-0.051 χ^2/NDF: 690957971.9/2

yield_bpm1i06WS_rms vs Slug



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 211.869+/-0.061 χ^2/NDF:116544.3/7

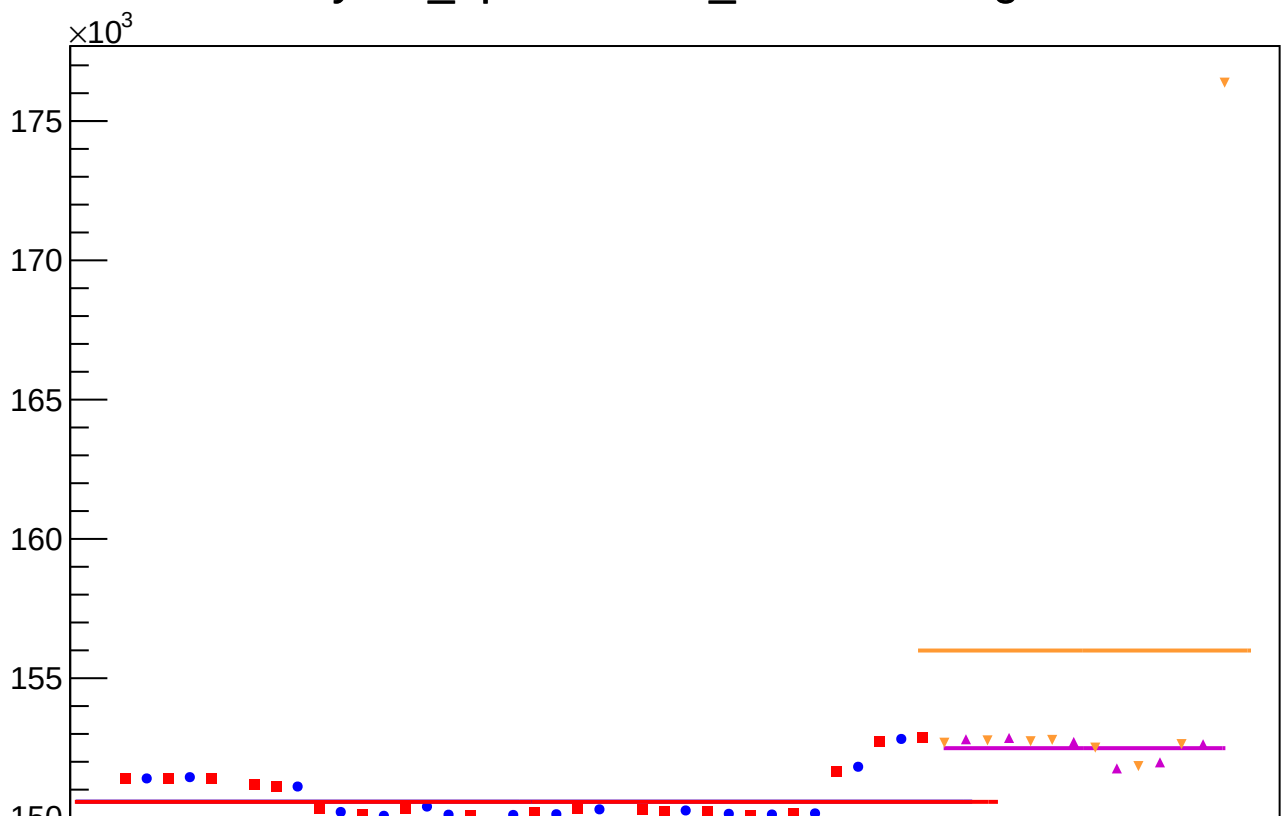
Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 224.145+/-0.070 χ^2/NDF:87296.9/5

+ sign 175.804+/-0.036 χ^2/NDF: 1913777.9/23

All: 172.637+/-0.025 χ^2/NDF: 4302377.4/48

- sign 169.472+/-0.036 χ^2/NDF: 2372943.1/24



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 155993.916+/-0.071 χ^2/NDF:13933218406.8/7

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

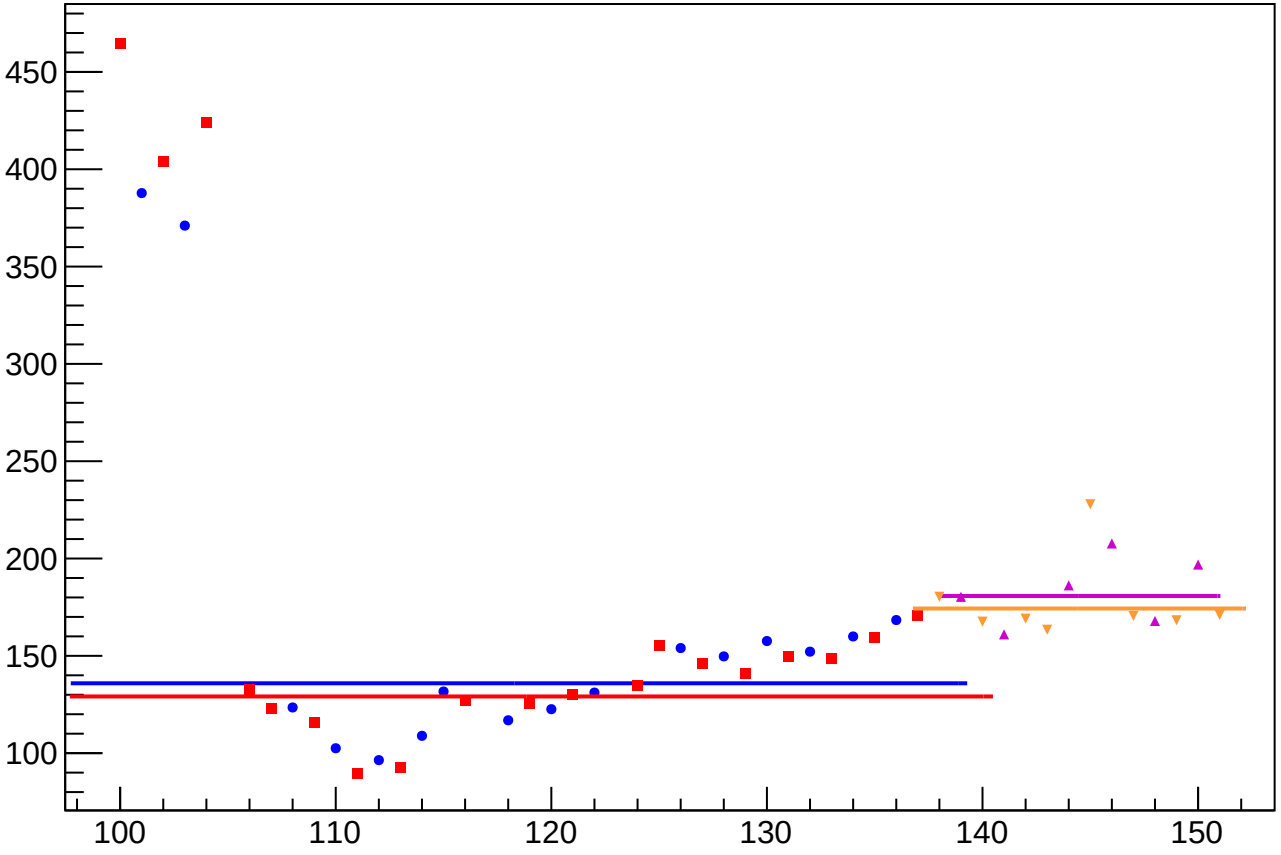
Left In: 152488.696+/-0.080 χ^2/NDF:27152182.9/5

+ sign 152586.997+/-0.043 χ^2/NDF: 17842067946.

All: 151848.588+/-0.030 χ^2/NDF: 19059636

- sign 151121.553+/-0.043 χ^2/NDF: 639775778.6/2

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 174.314+/-0.050 χ^2/NDF:104939.5/7

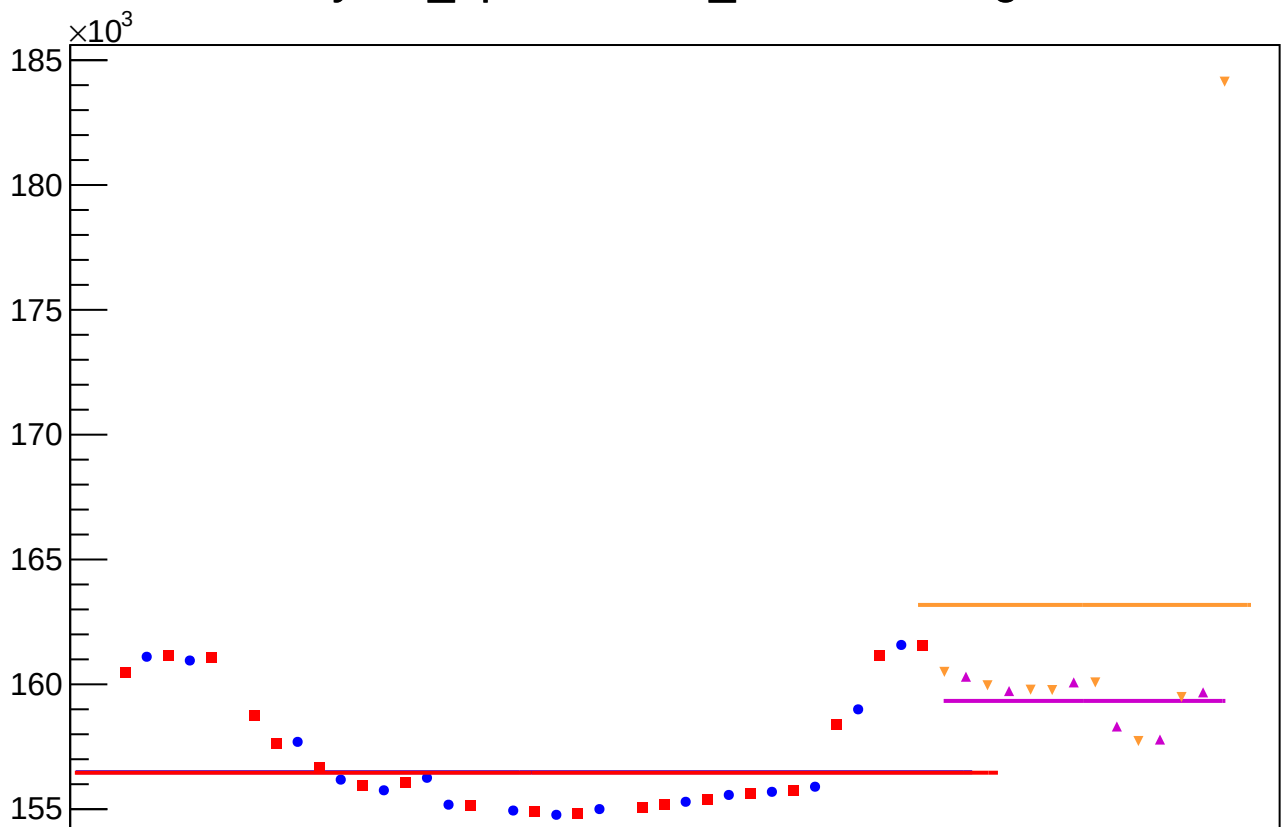
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 180.751+/-0.056 χ^2/NDF:78697.0/5

+ sign 150.189+/-0.031 χ^2/NDF: 1889503.1/23

All: 147.135+/-0.022 χ^2/NDF: 4198028.7/48

- sign 144.129+/-0.030 χ^2/NDF: 2288766.2/24



Right In: 156478.318+/-0.057 χ^2/NDF: 1289449253.3/15

Left Out: 163180.986+/-0.074 χ^2/NDF:14107467724.077

Right Out: 156460.550+/-0.053 χ^2/NDF: 1100531658.8/18

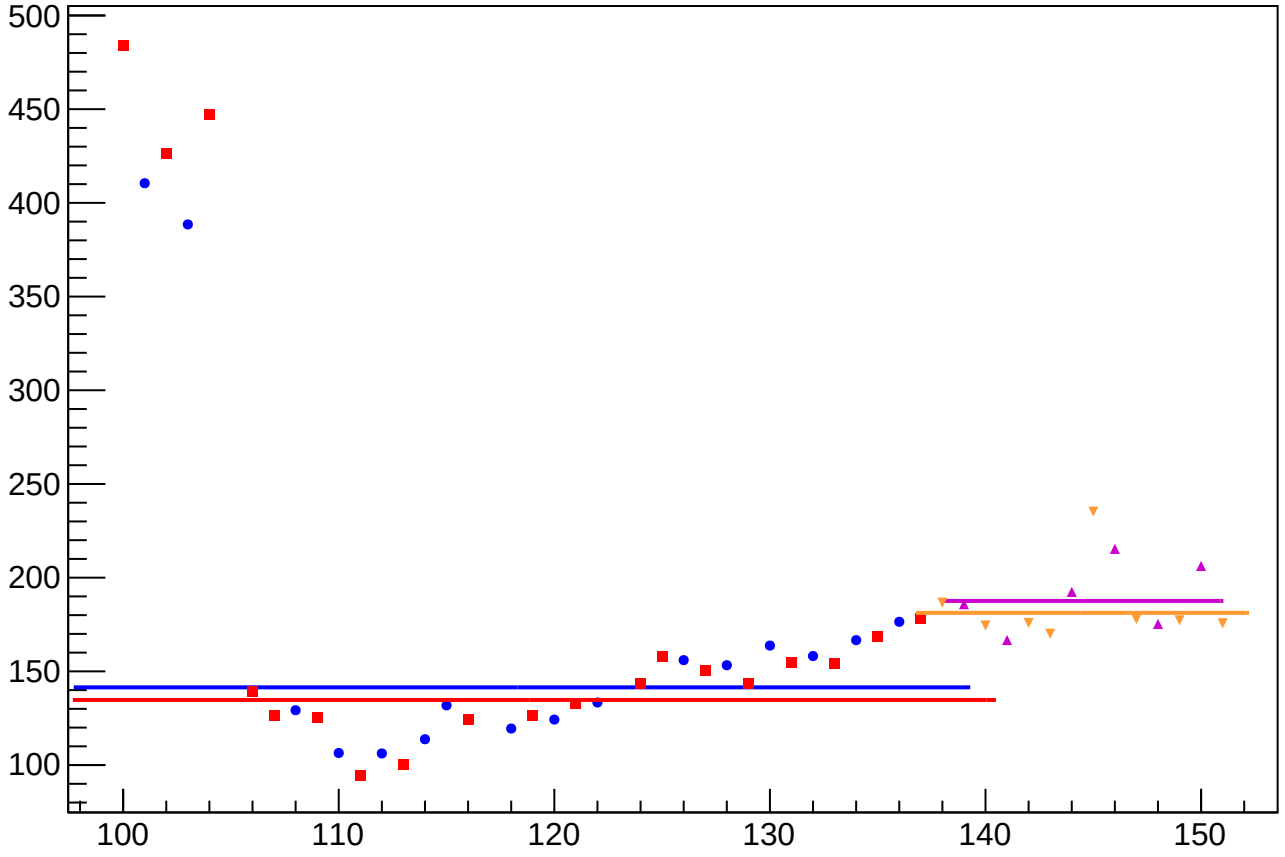
Left In: 159336.155+/-0.083 χ^2/NDF:127526361.8/5

+ sign 158975.609+/-0.045 χ^2/NDF: 20582594702.

All: 158132.505+/-0.032 χ^2/NDF: 23364025

- sign 157300.886+/-0.045 χ^2/NDF: 2084234023.9/

yield_bpm2i02WS_rms vs Slug



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 181.233+/-0.052 χ^2/NDF:99576.5/7

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

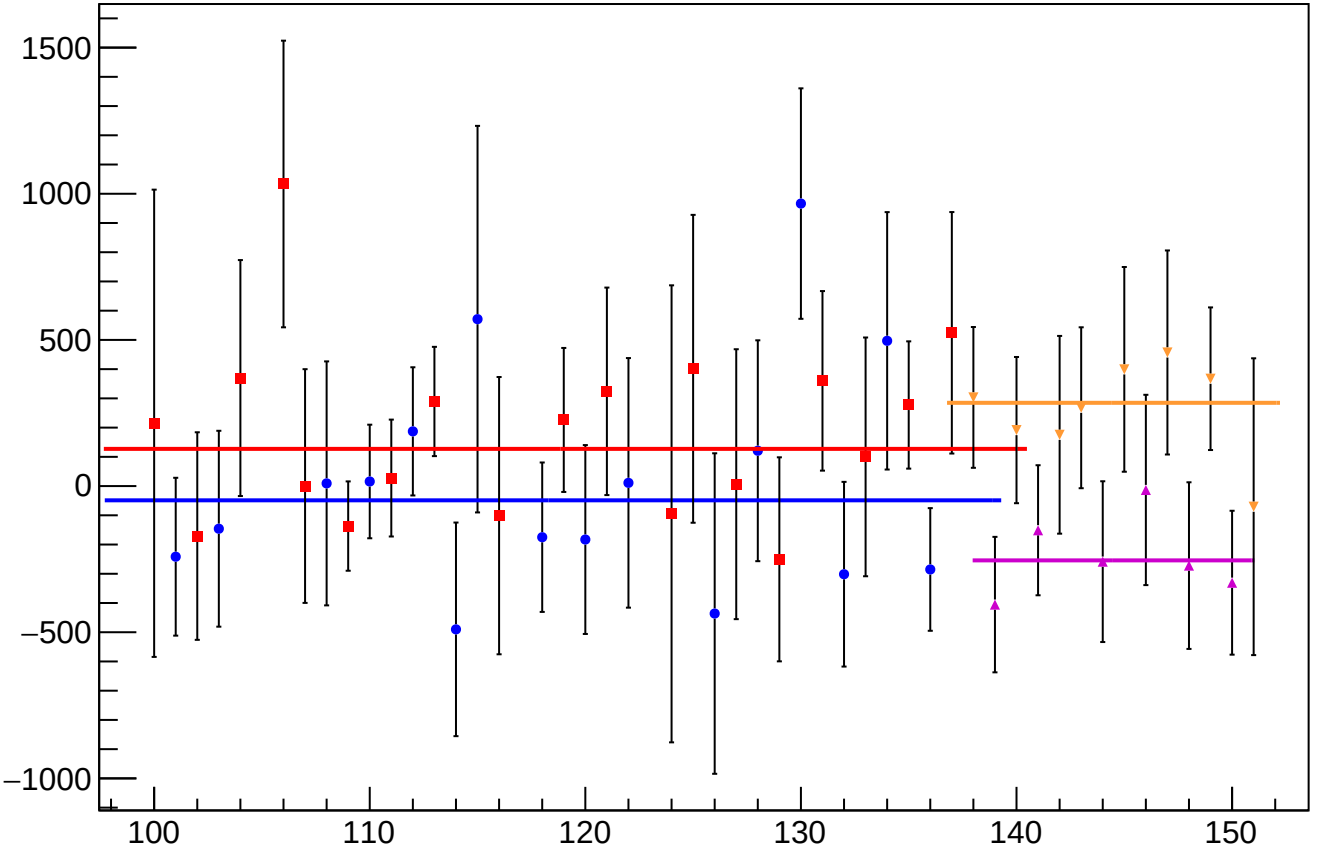
Left In: 187.570+/-0.058 χ^2/NDF:80301.5/5

+ sign 156.285+/-0.032 χ^2/NDF: 1856521.8/23

All: 153.213+/-0.022 χ^2/NDF: 4112202.1/48

- sign 150.182+/-0.032 χ^2/NDF: 2237164.2/24

asym_bcm_target_mean vs Slug



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 284.826+/-104.138 χ^2/NDF:1.2/7

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

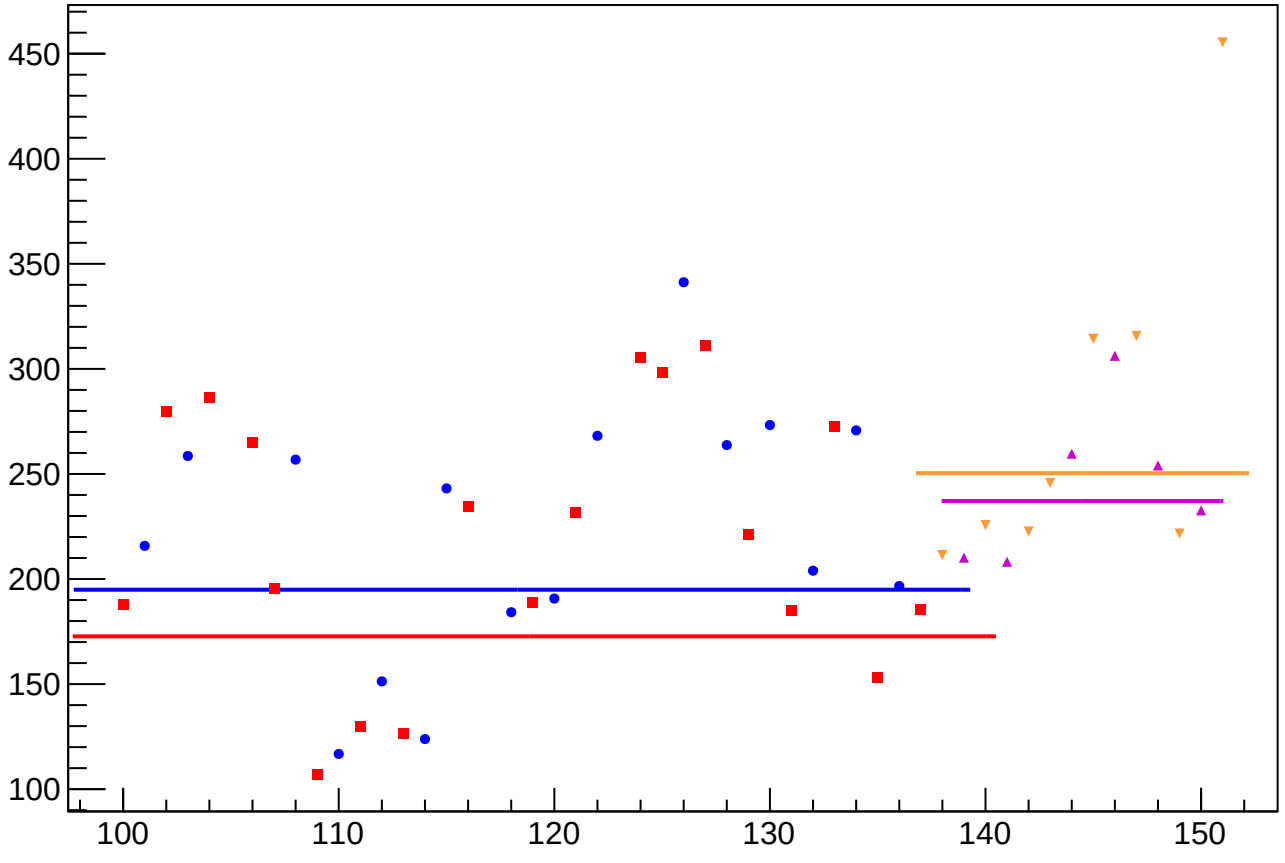
Left In: -254.199+/-105.231 χ^2/NDF:1.3/5

+ sign 68.351+/-61.701 χ^2/NDF: 23.3/23

All: 39.064+/-42.031 χ^2/NDF: 47.1/48

- sign 13.707+/-57.412 χ^2/NDF: 23.4/24

asym_bcm_target_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 250.368+/-0.074 χ^2/NDF:576528.0/7

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

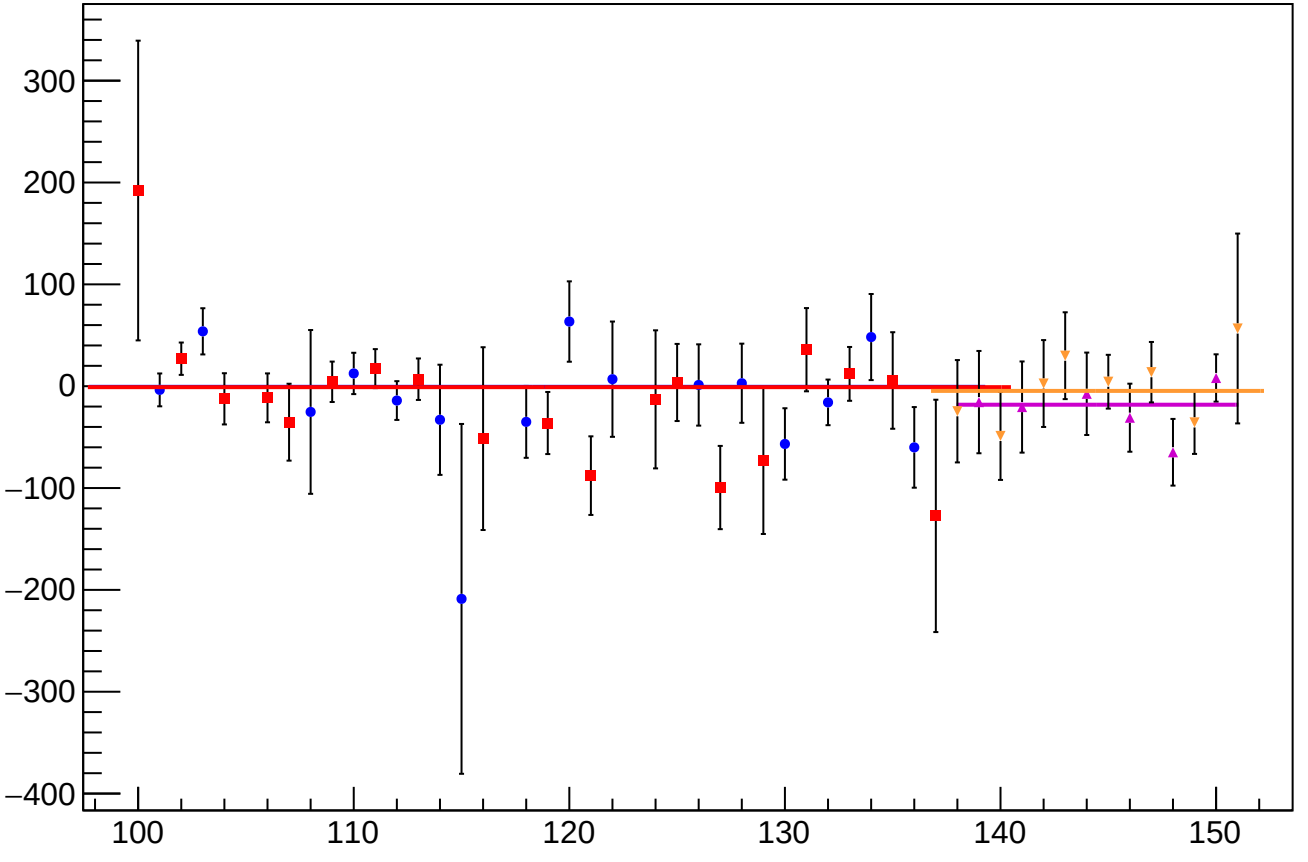
Left In: 237.131+/-0.074 χ^2/NDF:172028.9/5

+ sign 214.386+/-0.044 χ^2/NDF: 1973351.6/23

All: 202.325+/-0.030 χ^2/NDF: 4445875.0/48

- sign 191.881+/-0.041 χ^2/NDF: 2329913.8/24

asym_bcm_an_diff_mean vs Slug



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: -4.622+/-13.174 χ^2/NDF:3.8/7

Right Out: -0.938+/-6.767 χ^2/NDF: 23.1/18

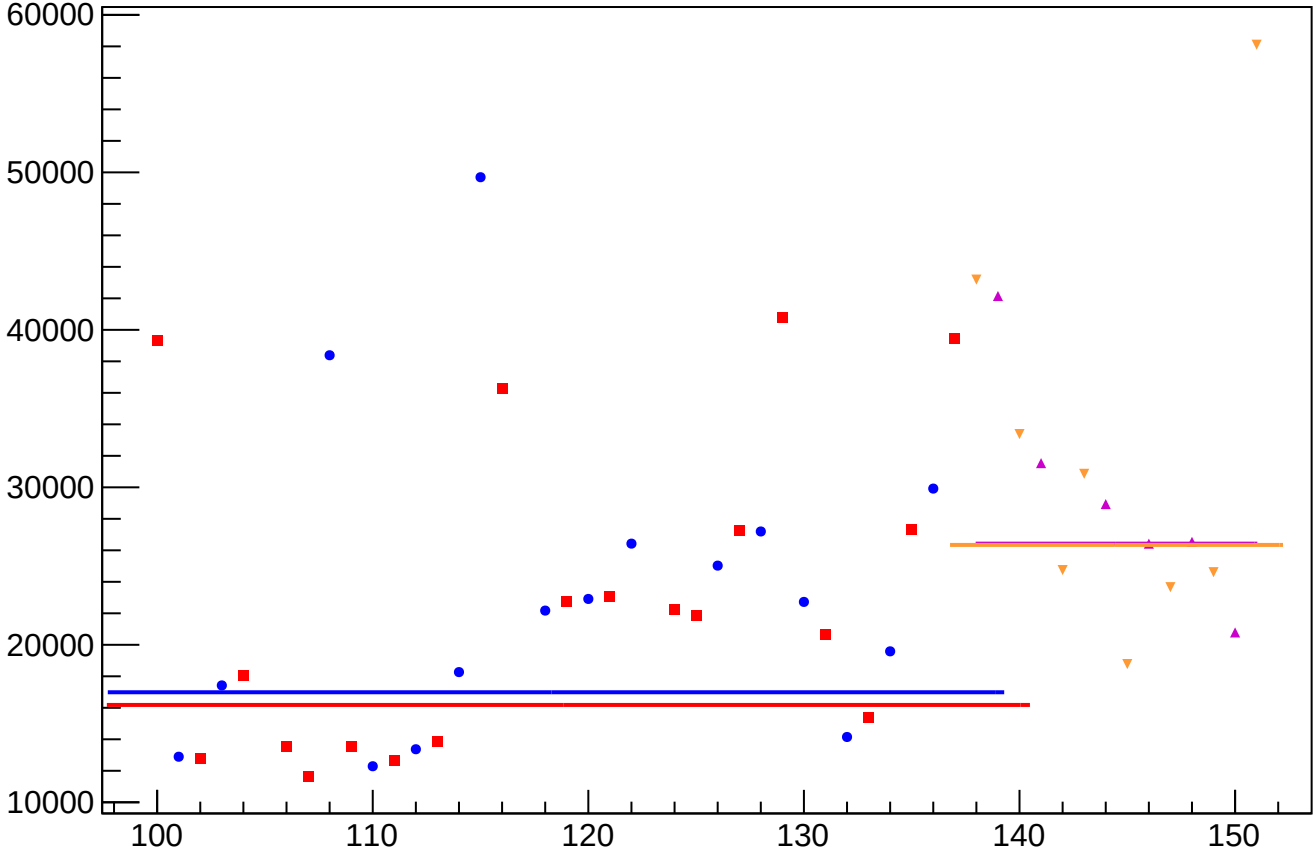
Left In: -18.186+/-13.887 χ^2/NDF:3.5/5

+ sign -1.571+/-6.412 χ^2/NDF: 22.8/23

All: -2.979+/-4.413 χ^2/NDF: 50.7/48

- sign -4.247+/-6.083 χ^2/NDF: 27.8/24

asym_bcm_an_diff_rms vs Slug



Right In: 16986.402+/-5.190 χ^2/NDF: 1194096.1/15

Left Out: 26343.216+/-9.316 χ^2/NDF:722314.7/7

Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

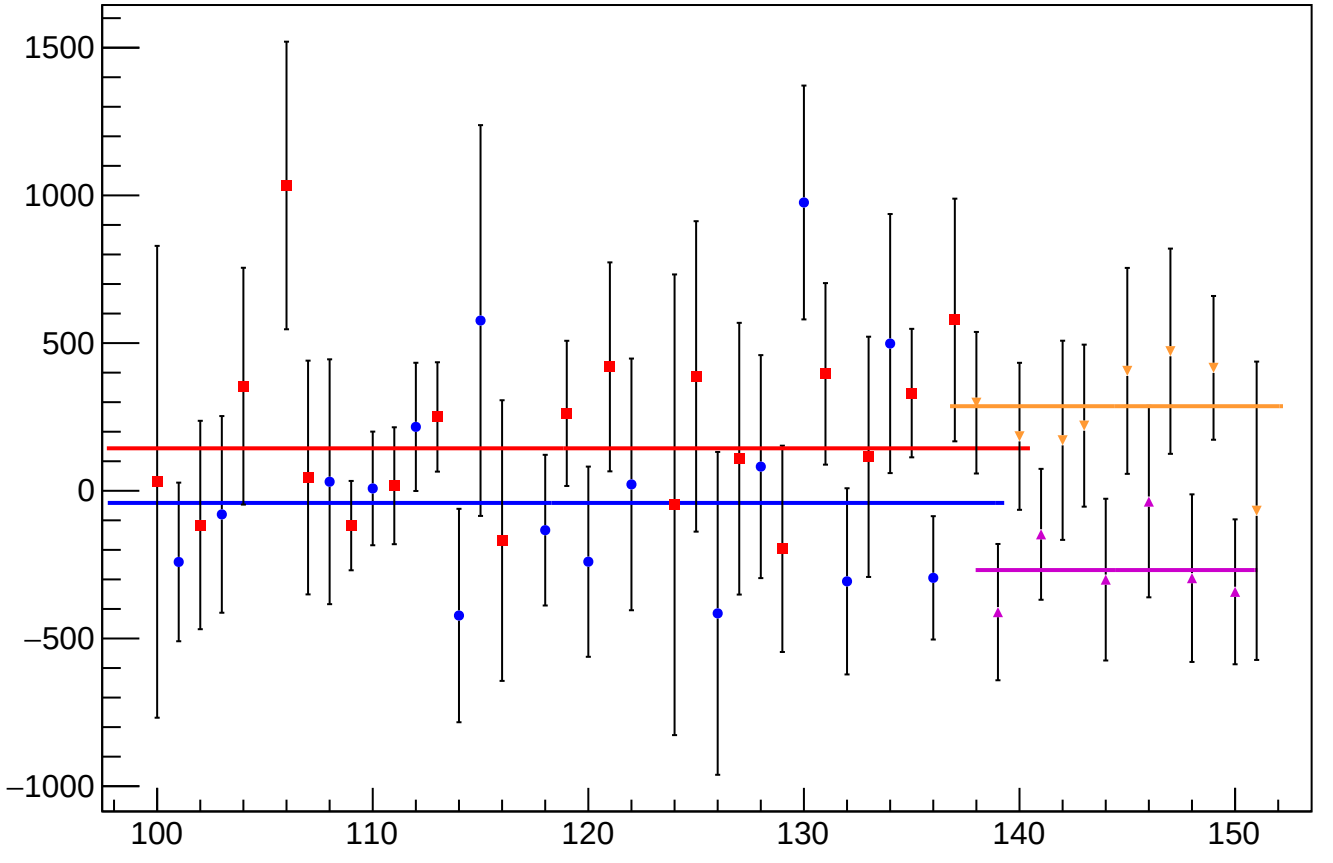
Left In: 26423.582+/-9.820 χ^2/NDF:347489.5/5

+ sign 19203.012+/-4.534 χ^2/NDF: 2686288.7/23

All: 18647.310+/-3.121 χ^2/NDF: 5192874.0/4

- sign 18147.158+/-4.301 χ^2/NDF: 2478044.3/24

asym_bcm_an_ds_mean vs Slug



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 286.354+/-103.703 χ^2/NDF:1.5/7

Right Out: 143.821+/-68.080 χ^2/NDF: 13.0/18

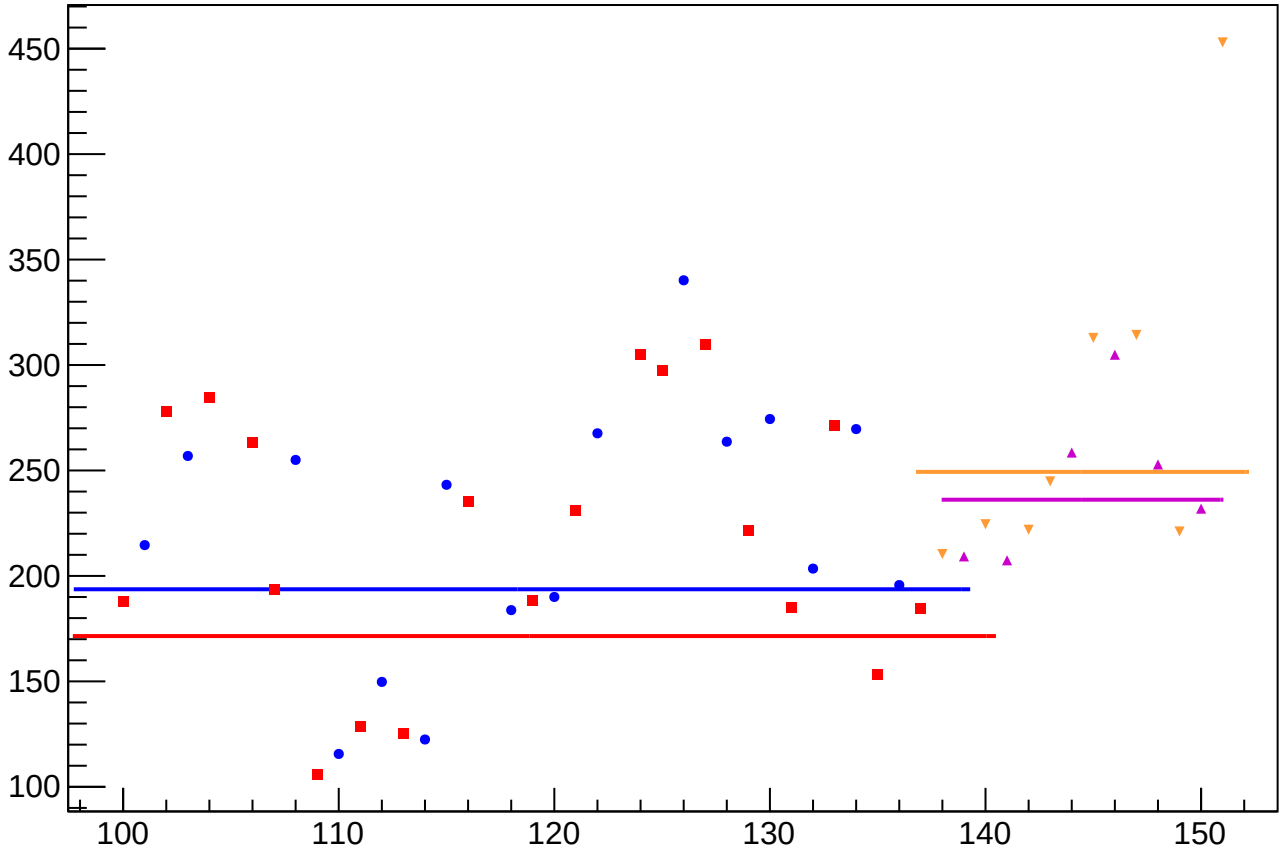
Left In: -268.324+/-104.790 χ^2/NDF:1.3/5

\+ sign 73.659+/-61.383 χ^2/NDF: 23.5/23

All: 45.689+/-41.804 χ^2/NDF: 49.0/48

\- sign 21.494+/-57.090 χ^2/NDF: 25.2/24

asym_bcm_an_ds_rms vs Slug



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 249.339+/-0.073 χ^2/NDF:575025.1/7

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

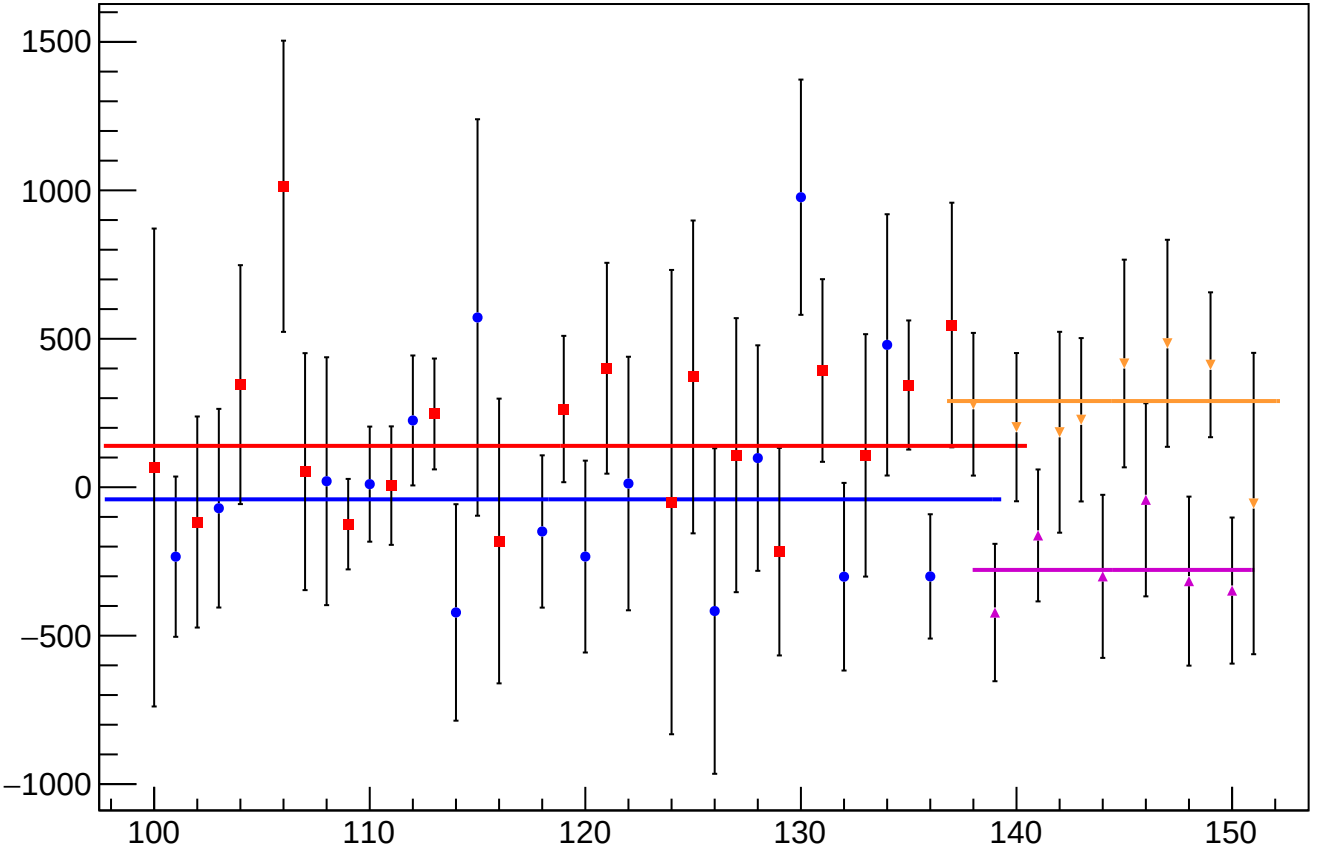
Left In: 236.139+/-0.074 χ^2/NDF:171661.7/5

+ sign 213.174+/-0.043 χ^2/NDF: 1999207.8/23

All: 201.110+/-0.030 χ^2/NDF: 4503342.9/48

- sign 190.674+/-0.040 χ^2/NDF: 2360046.6/24

asym_bcm_an_ds3_mean vs Slug



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 290.244+/-104.044 χ^2/NDF:1.4/7

Right Out: 139.292+/-68.459 χ^2/NDF: 12.9/18

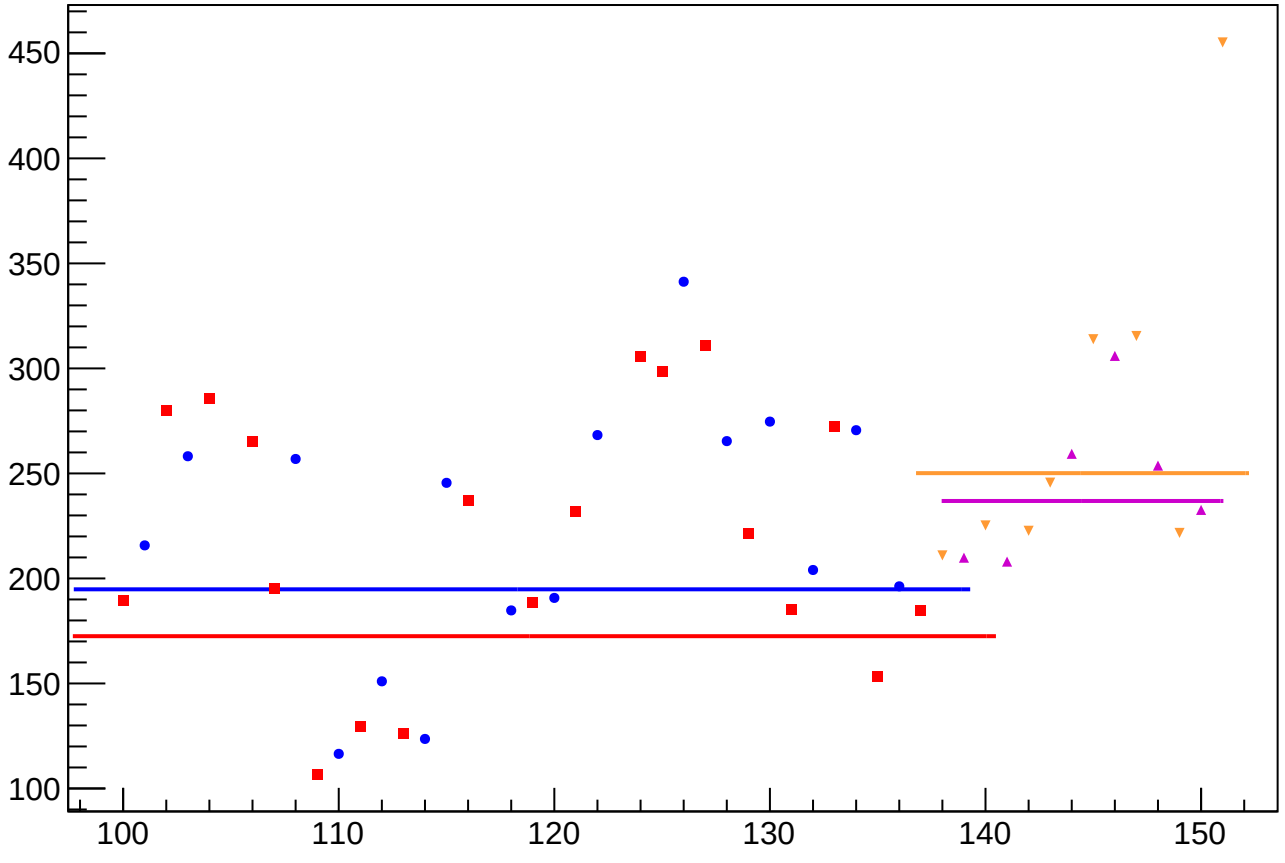
Left In: -278.526+/-105.124 χ^2/NDF:1.3/5

\+ sign 75.524+/-61.674 χ^2/NDF: 23.4/23

All: 43.003+/-42.005 χ^2/NDF: 49.2/48

\- sign 14.867+/-57.367 χ^2/NDF: 25.3/24

asym_bcm_an_ds3_rms vs Slug



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 250.132+/-0.074 χ^2/NDF:577005.1/7

Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

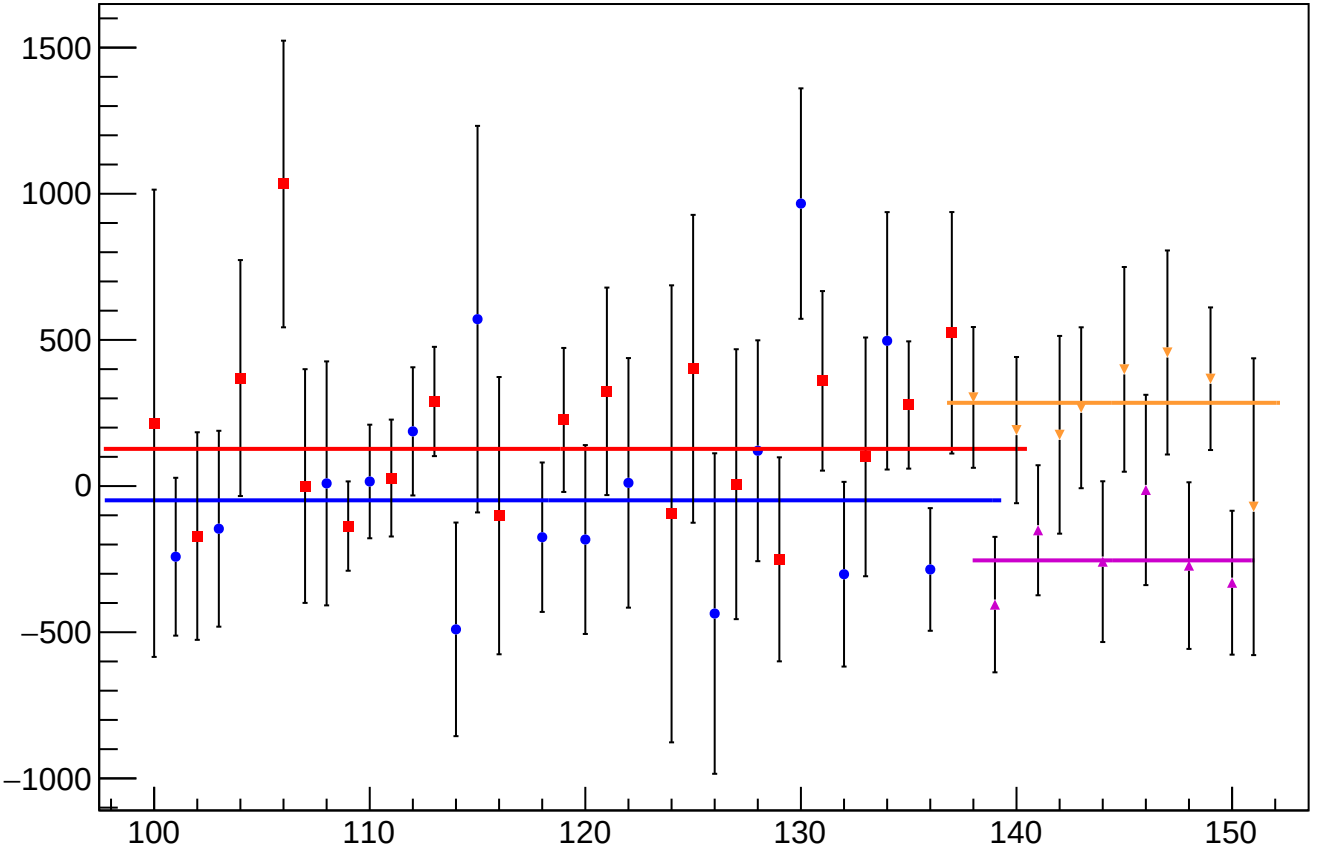
Left In: 236.881+/-0.074 χ^2/NDF:172153.9/5

+ sign 214.255+/-0.044 χ^2/NDF: 1982734.8/23

All: 202.150+/-0.030 χ^2/NDF: 4467284.5/48

- sign 191.677+/-0.041 χ^2/NDF: 2340848.8/24

asym_bcm_an_us_mean vs Slug



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 284.826+/-104.138 χ^2/NDF:1.2/7

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

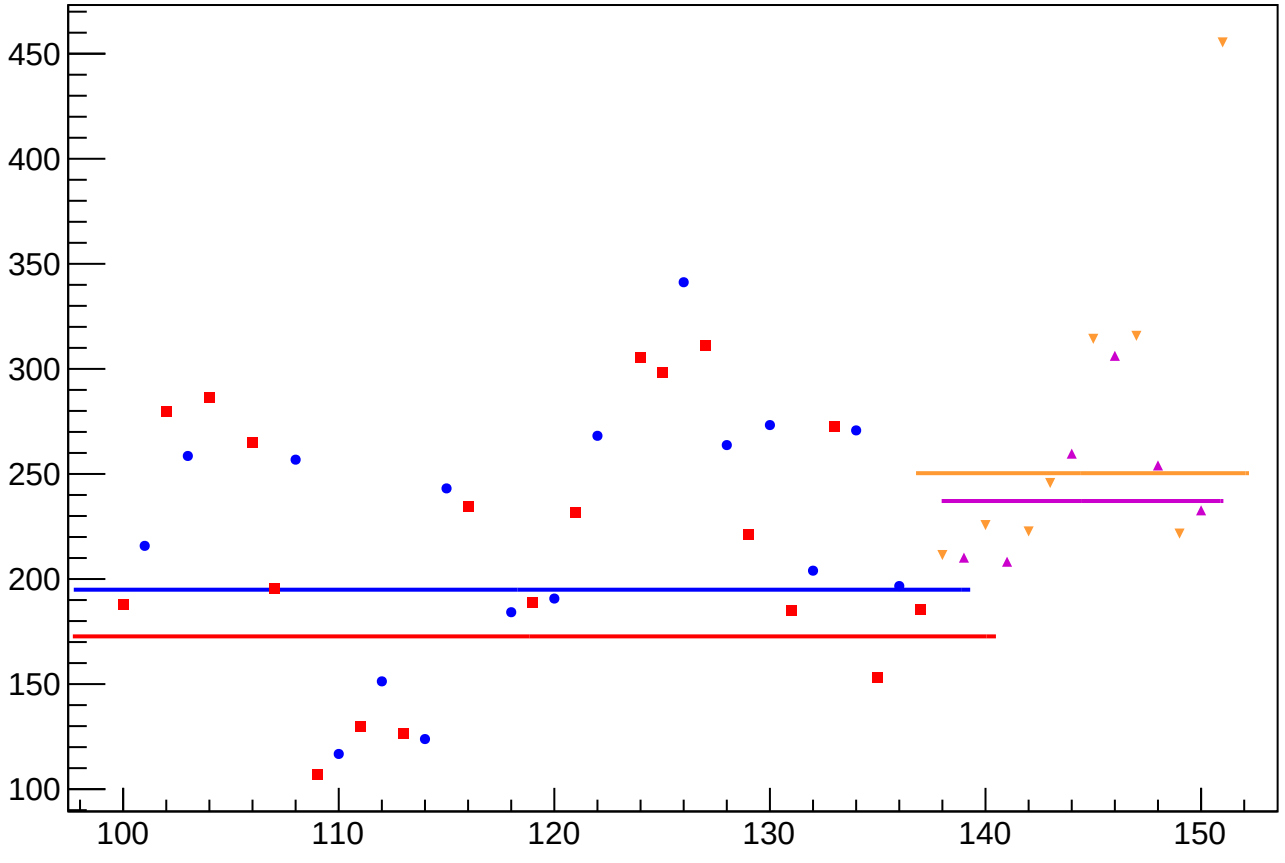
Left In: -254.199+/-105.231 χ^2/NDF:1.3/5

+ sign 68.351+/-61.701 χ^2/NDF: 23.3/23

All: 39.064+/-42.031 χ^2/NDF: 47.1/48

- sign 13.707+/-57.412 χ^2/NDF: 23.4/24

asym_bcm_an_us_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 250.368+/-0.074 χ^2/NDF:576528.0/7

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

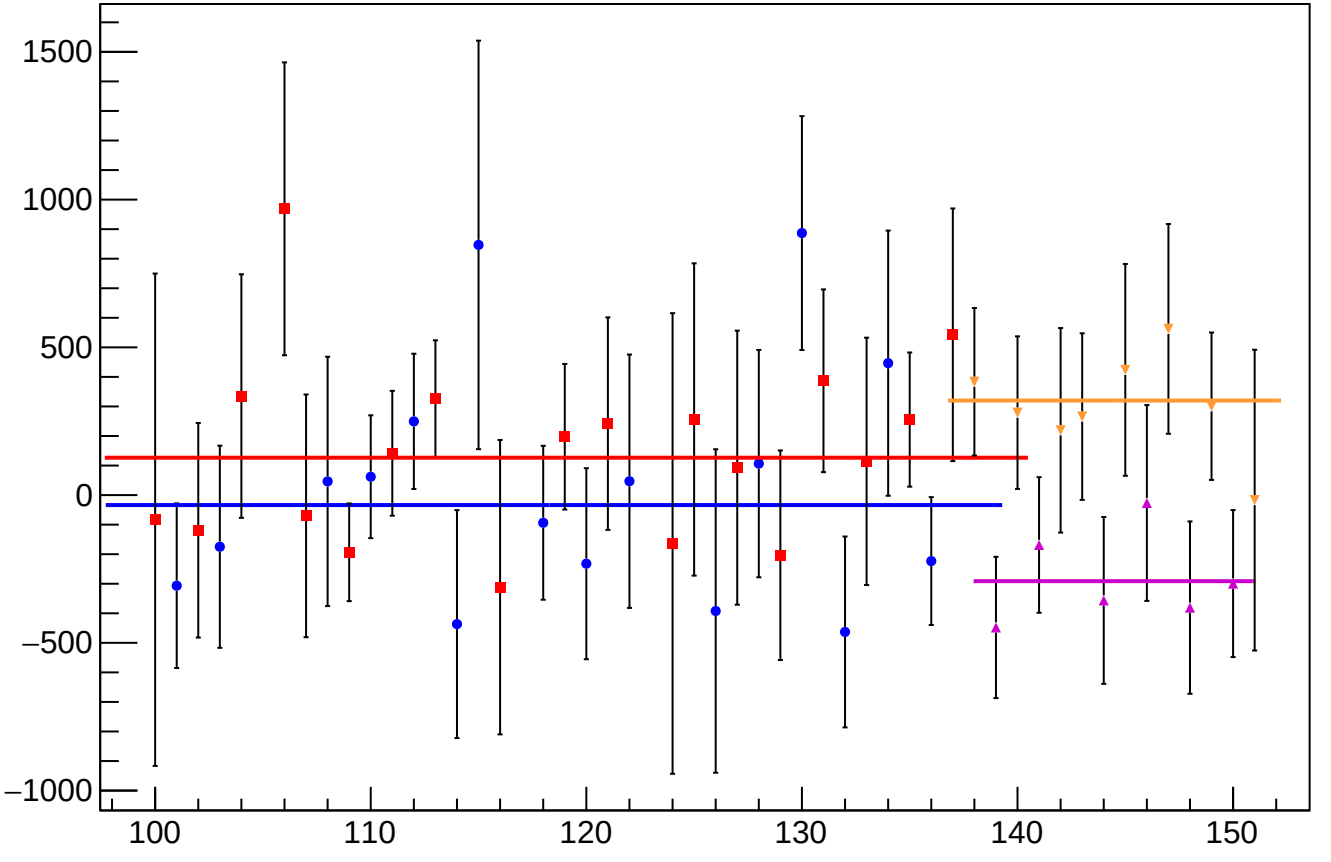
Left In: 237.131+/-0.074 χ^2/NDF:172028.9/5

+ sign 214.386+/-0.044 χ^2/NDF: 1973351.6/23

All: 202.325+/-0.030 χ^2/NDF: 4445875.0/48

- sign 191.881+/-0.041 χ^2/NDF: 2329913.8/24

asym_bcm_dg_us_mean vs Slug



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 320.031+/-106.815 χ^2/NDF:1.2/7

Right Out: 126.563+/-71.309 χ^2/NDF: 12.7/18

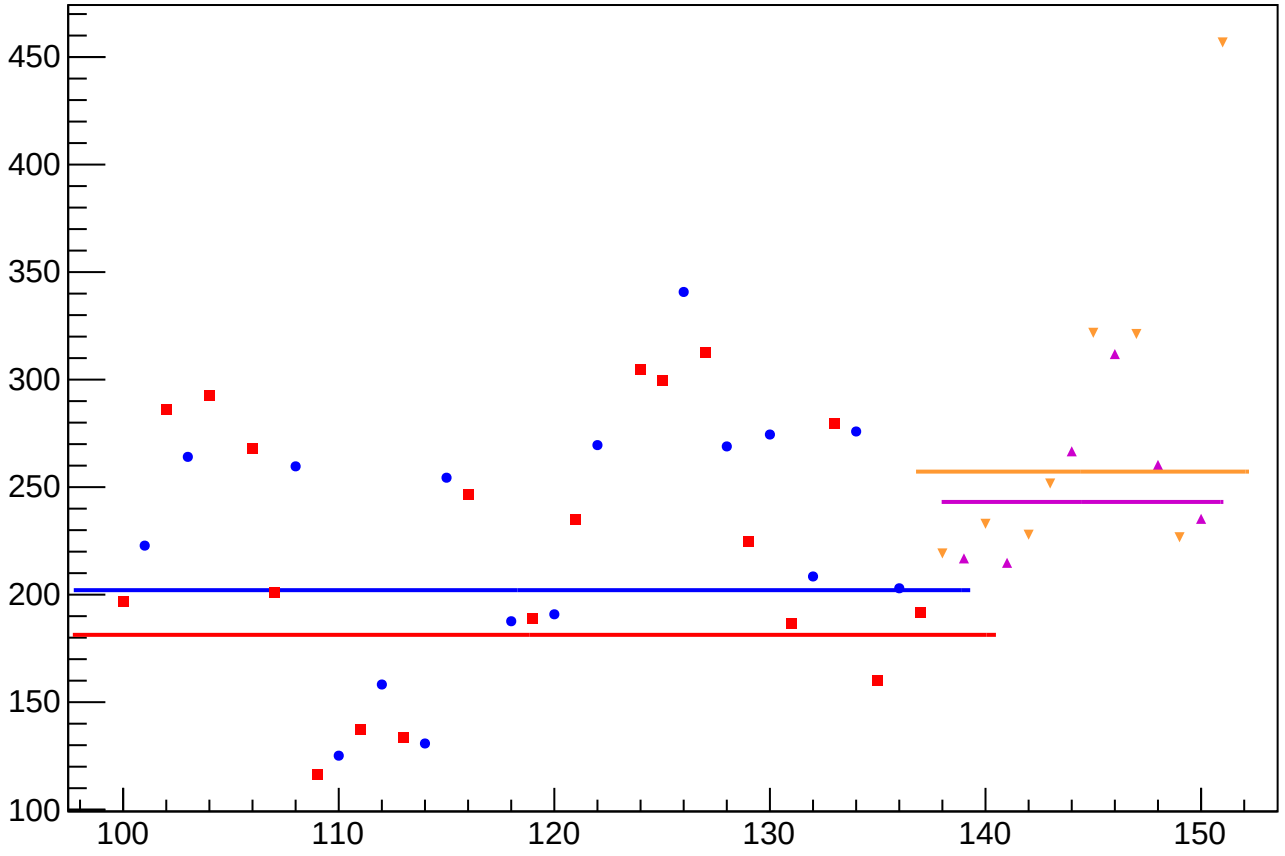
Left In: -291.311+/-107.789 χ^2/NDF:1.5/5

+ sign 91.346+/-63.514 χ^2/NDF: 24.0/23

All: 42.329+/-43.412 χ^2/NDF: 49.8/48

- sign -0.648+/-59.473 χ^2/NDF: 24.6/24

asym_bcm_dg_us_rms vs Slug



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 257.221+/-0.076 χ^2/NDF:546684.6/7

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

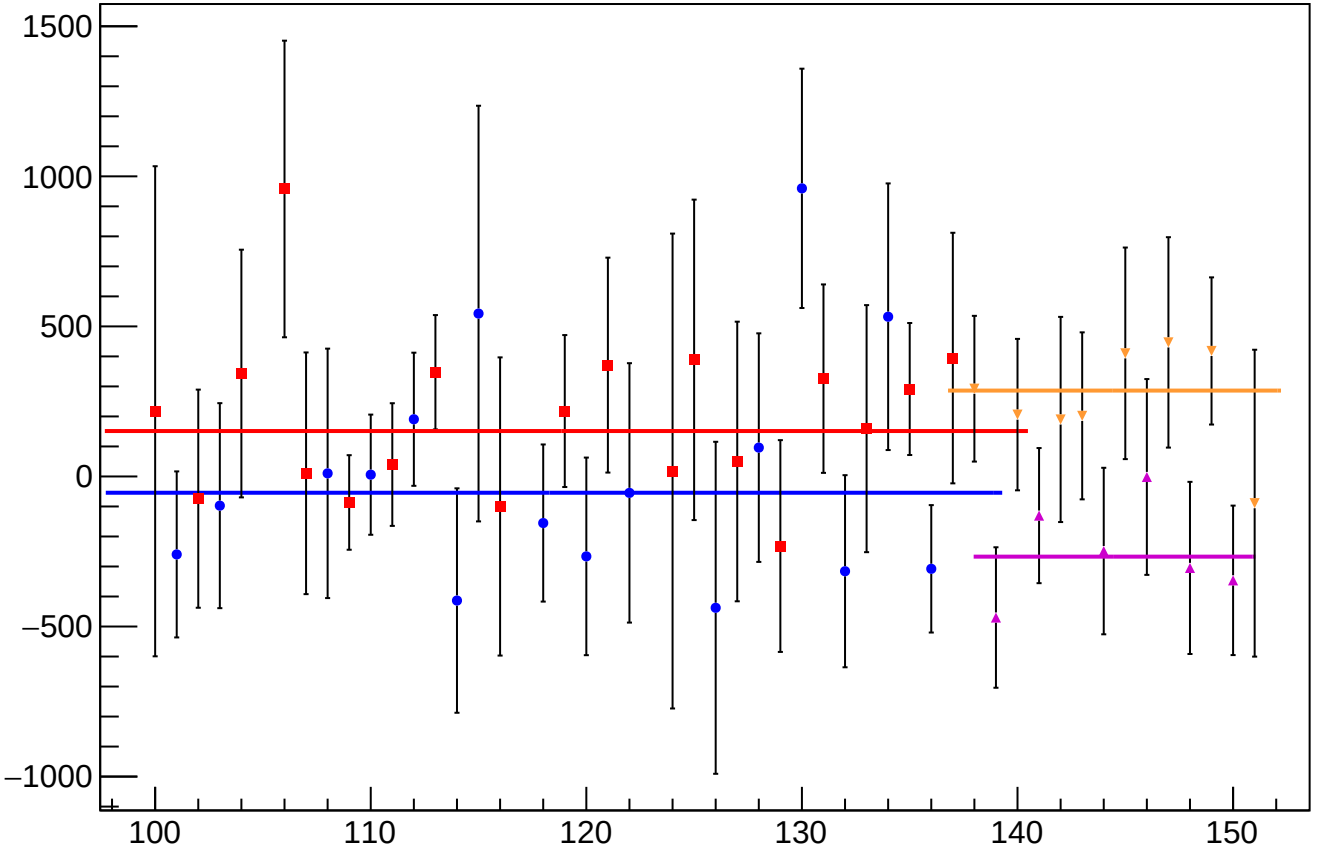
Left In: 243.118+/-0.076 χ^2/NDF:163579.5/5

+ sign 221.582+/-0.045 χ^2/NDF: 1801358.8/23

All: 210.151+/-0.031 χ^2/NDF: 3984913.2/48

- sign 200.128+/-0.042 χ^2/NDF: 2061954.5/24

asym_bcm_dg_ds_mean vs Slug



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 286.185+/-104.946 χ^2/NDF:1.4/7

Right Out: 151.358+/-69.902 χ^2/NDF: 10.2/18

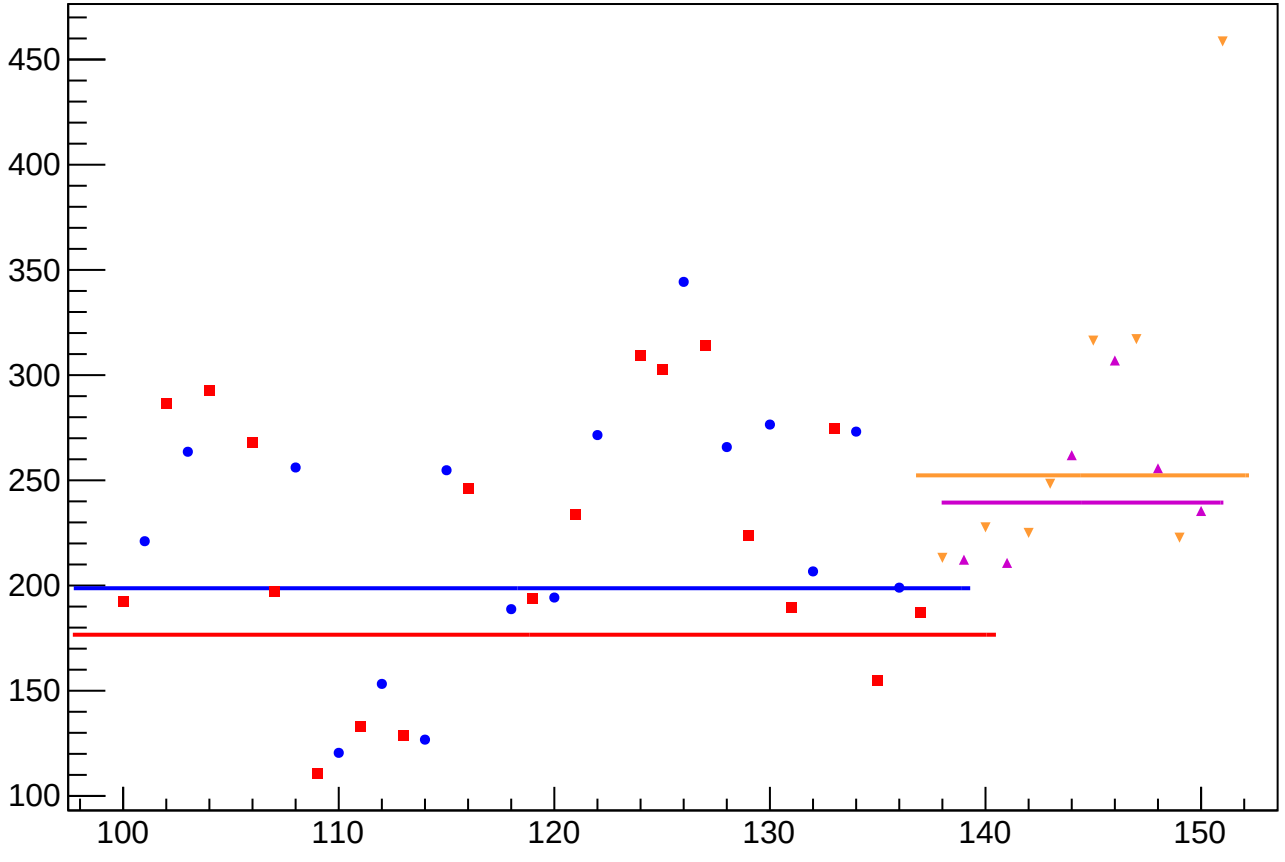
Left In: -267.156+/-106.199 χ^2/NDF:1.9/5

\+ sign 66.779+/-62.575 χ^2/NDF: 23.3/23

All: 44.364+/-42.690 χ^2/NDF: 46.5/48

\- sign 24.848+/-58.389 χ^2/NDF: 23.0/24

asym_bcm_dg_ds_rms vs Slug



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 252.360+/-0.074 χ^2/NDF:573358.6/7

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

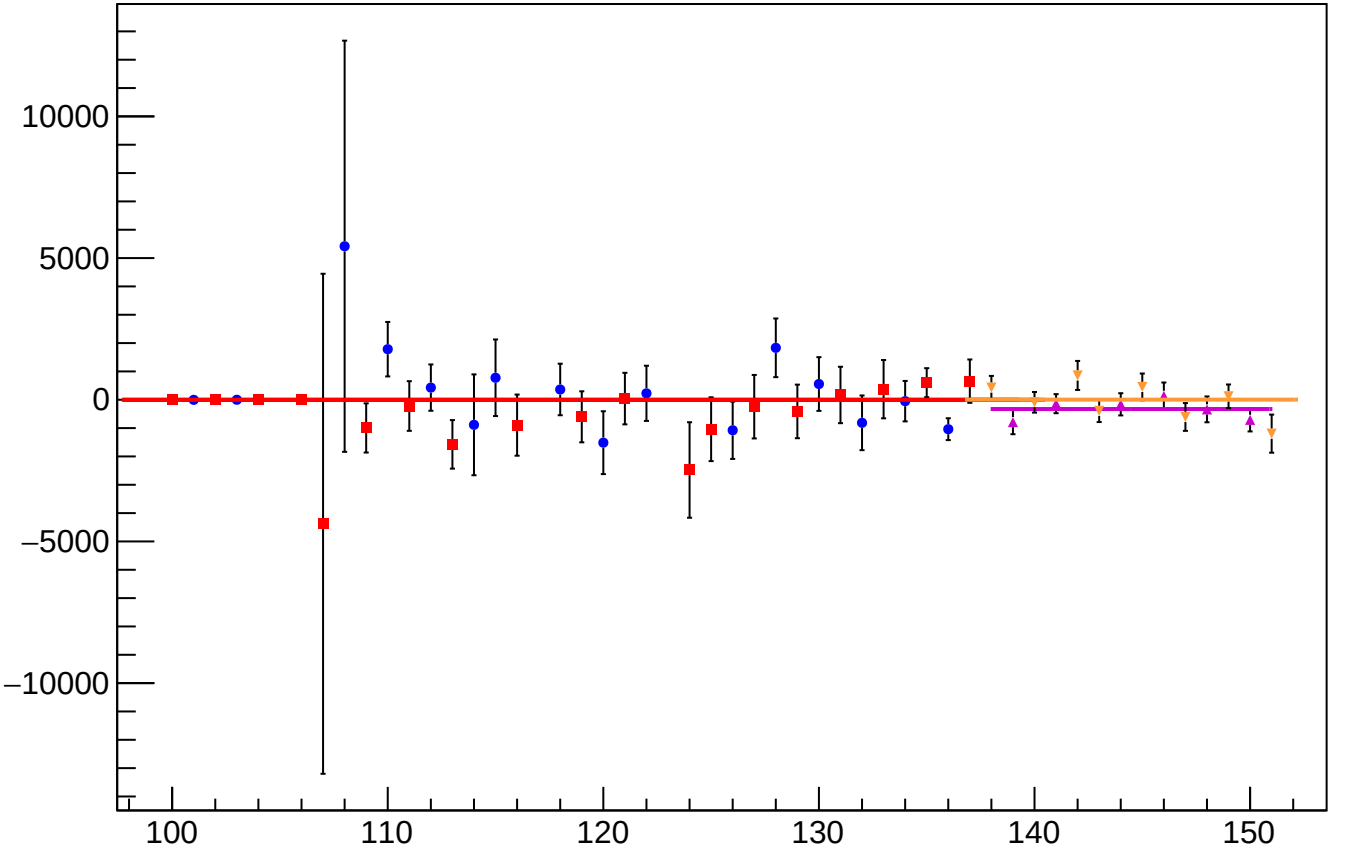
Left In: 239.426+/-0.075 χ^2/NDF:165152.0/5

+ sign 217.789+/-0.044 χ^2/NDF: 1904173.6/23

All: 205.931+/-0.030 χ^2/NDF: 4287423.6/48

- sign 195.606+/-0.041 χ^2/NDF: 2248890.9/24

asym_cav4bQ_mean vs Slug



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: 4.576+/-157.656 χ^2/NDF:10.6/7

Right Out: -1.377+/-2.022 χ^2/NDF: 16.8/18

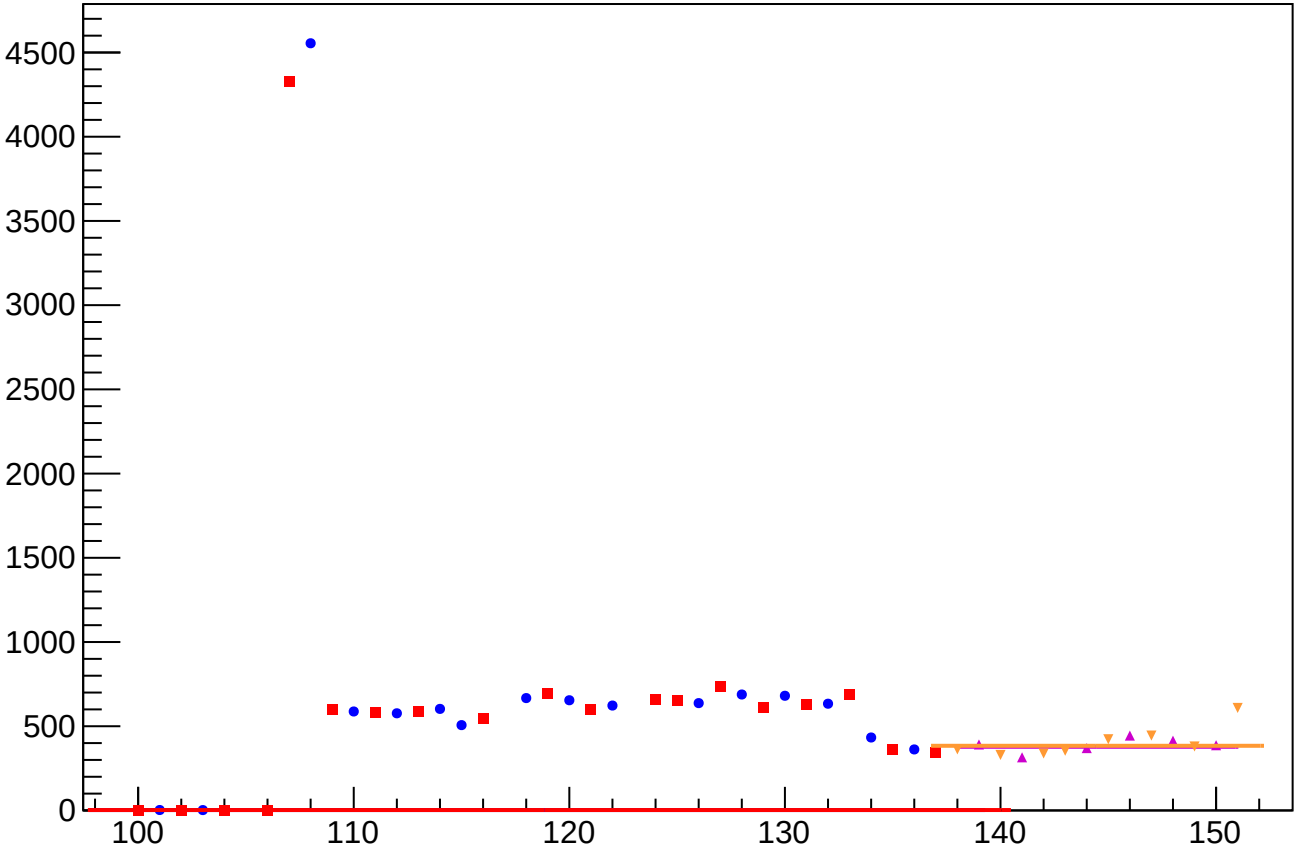
Left In: -327.089+/-166.423 χ^2/NDF:3.5/5

+ sign -1.238+/-2.171 χ^2/NDF: 30.5/23

All: -1.338+/-1.480 χ^2/NDF: 54.7/48

- sign -1.425+/-2.022 χ^2/NDF: 24.2/24

asym_cav4bQ_rms vs Slug



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 383.957+/-0.111 χ^2/NDF:344944.4/7

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

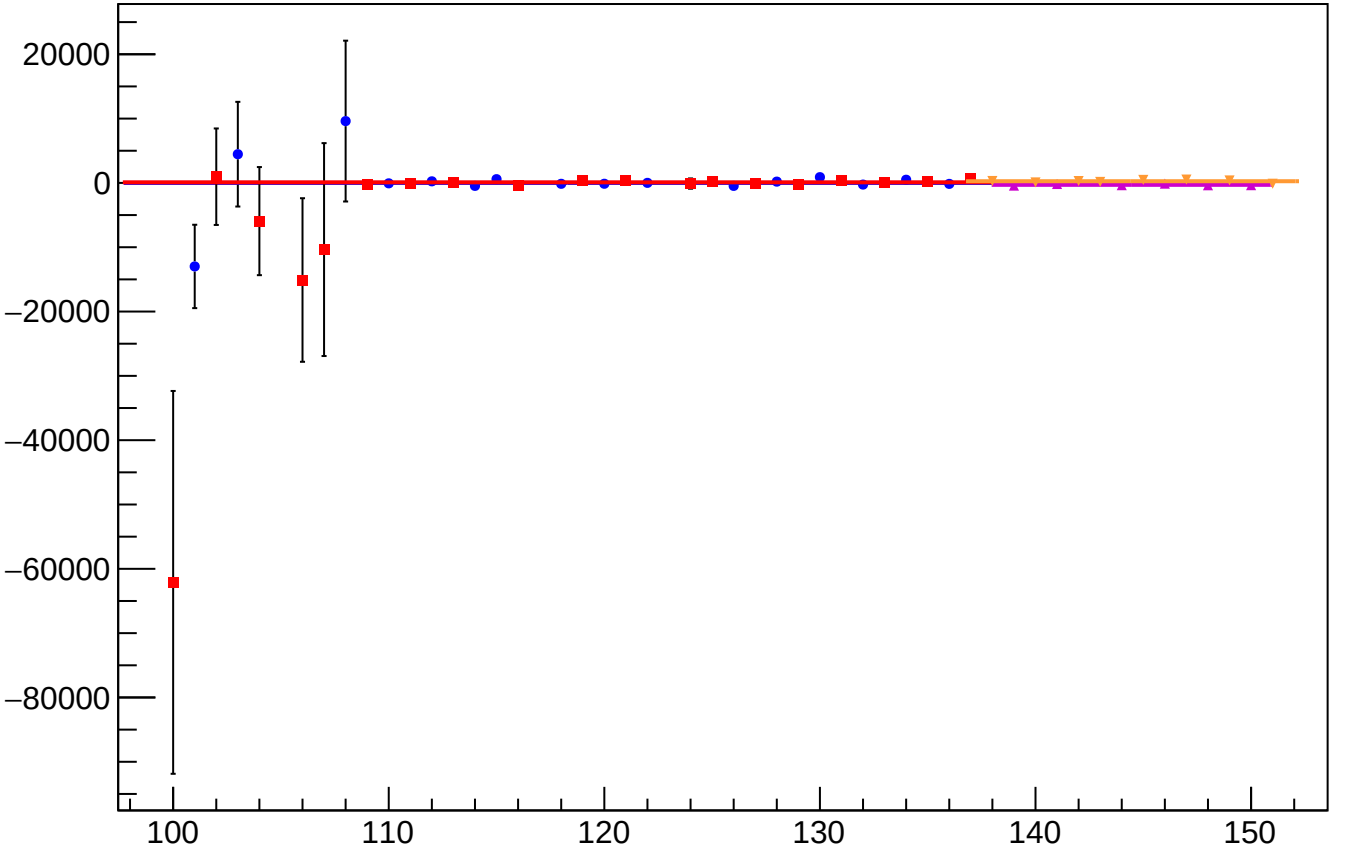
Left In: 378.079+/-0.118 χ^2/NDF:125588.9/5

+ sign 2.549+/-0.002 χ^2/NDF: 23678778.9/23

All: 2.532+/-0.001 χ^2/NDF: 45536628.6/48

- sign 2.518+/-0.001 χ^2/NDF: 21857625.9/24

asym_cav4cQ_mean vs Slug



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 261.387+/-110.158 χ^2/NDF:2.3/7

Right Out: 88.089+/-81.605 χ^2/NDF: 14.9/18

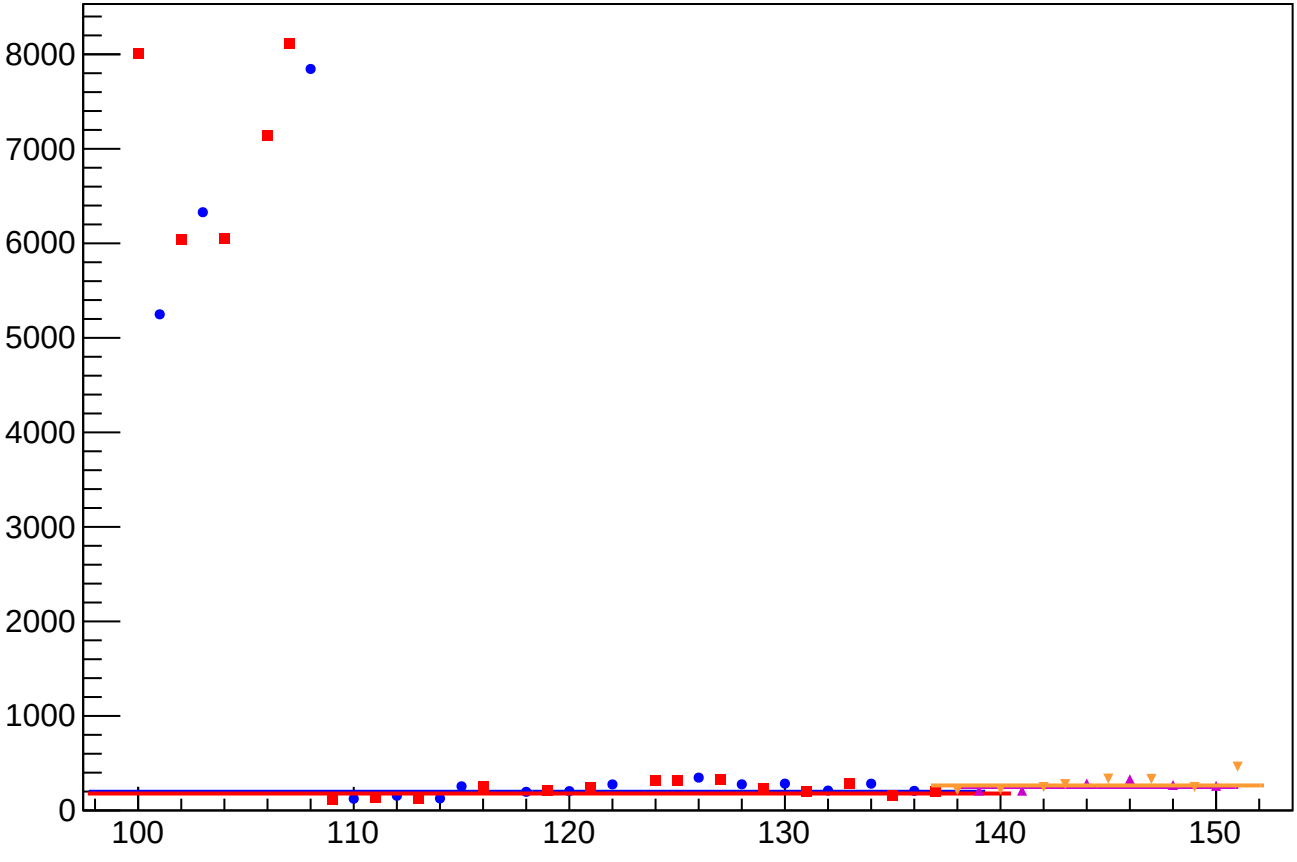
Left In: -299.843+/-110.778 χ^2/NDF:1.0/5

+ sign 101.927+/-68.670 χ^2/NDF: 22.6/23

All: 23.459+/-47.473 χ^2/NDF: 48.9/48

- sign -48.373+/-65.702 χ^2/NDF: 23.8/24

asym_cav4cQ_rms vs Slug



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 264.584+/-0.078 χ^2/NDF:608277.0/7

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

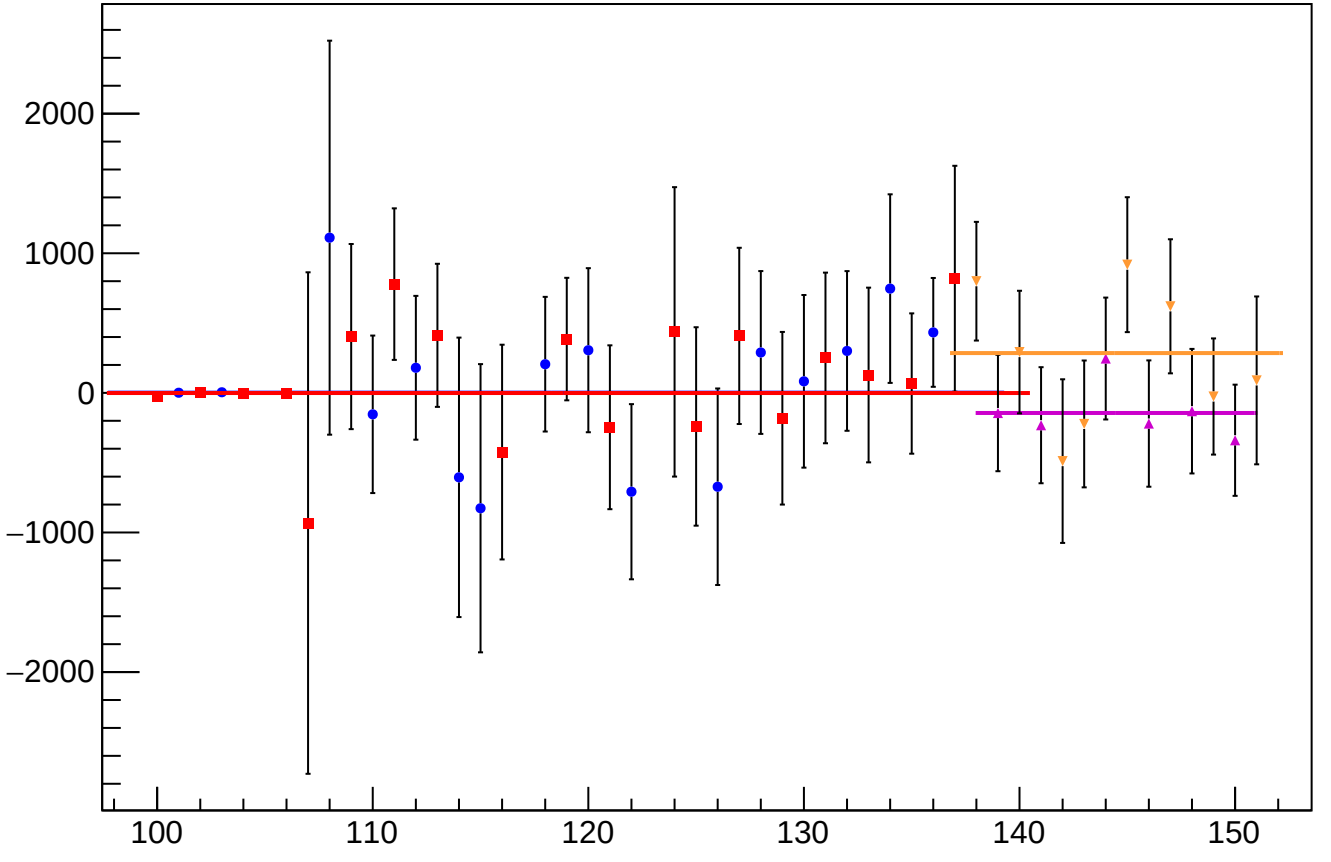
Left In: 248.413+/-0.078 χ^2/NDF:265968.8/5

+ sign 223.642+/-0.049 χ^2/NDF: 5017331.2/23

All: 213.168+/-0.034 χ^2/NDF: 10296211.5/48

- sign 203.579+/-0.046 χ^2/NDF: 5189752.2/24

asym_cav4dQ_mean vs Slug



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 285.086+/-167.505 χ^2/NDF:7.3/7

Right Out: -1.094+/-1.528 χ^2/NDF: 9.2/18

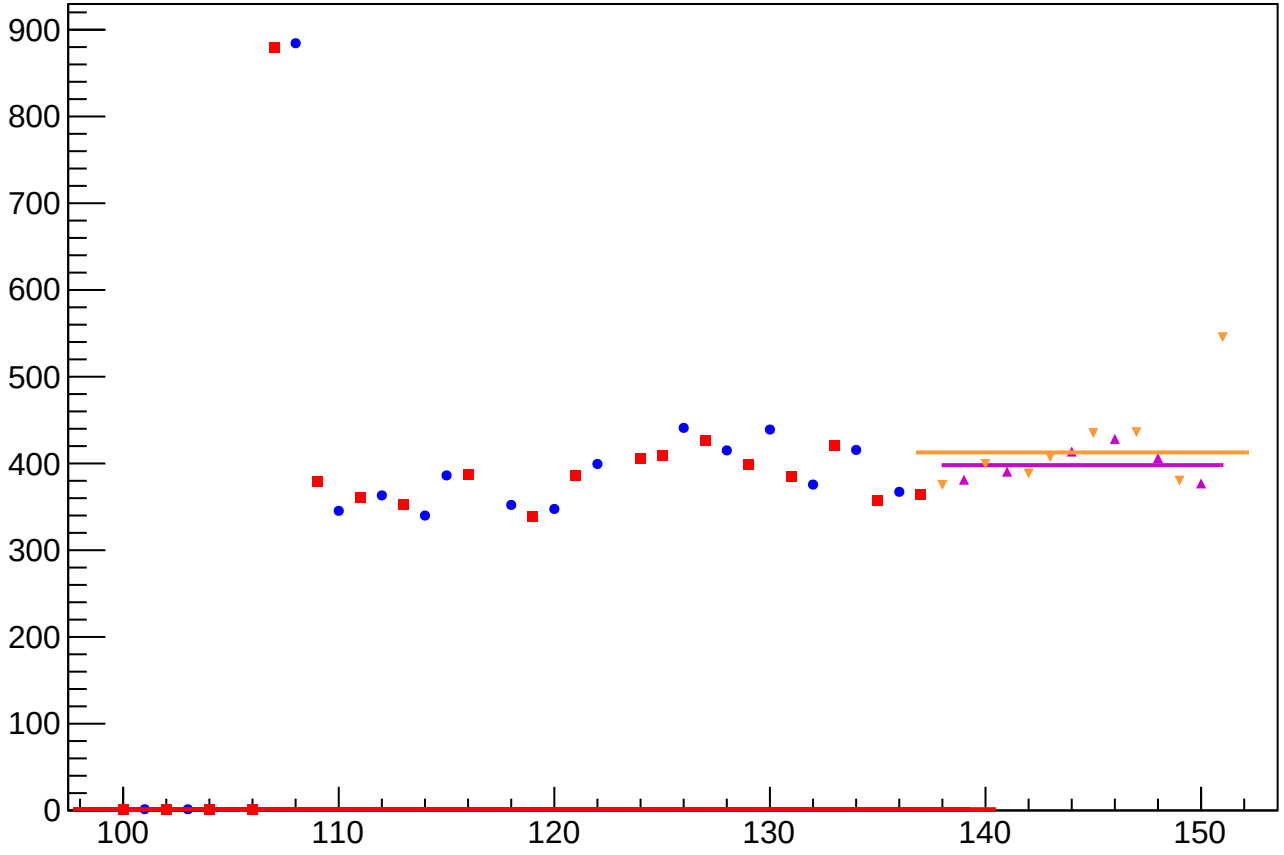
Left In: -144.000+/-174.056 χ^2/NDF:1.1/5

+ sign 1.483+/-1.660 χ^2/NDF: 18.1/23

All: 0.082+/-1.124 χ^2/NDF: 30.3/48

- sign -1.105+/-1.528 χ^2/NDF: 10.9/24

asym_cav4dQ_rms vs Slug



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 412.716+/-0.118 χ^2/NDF:140030.1/7

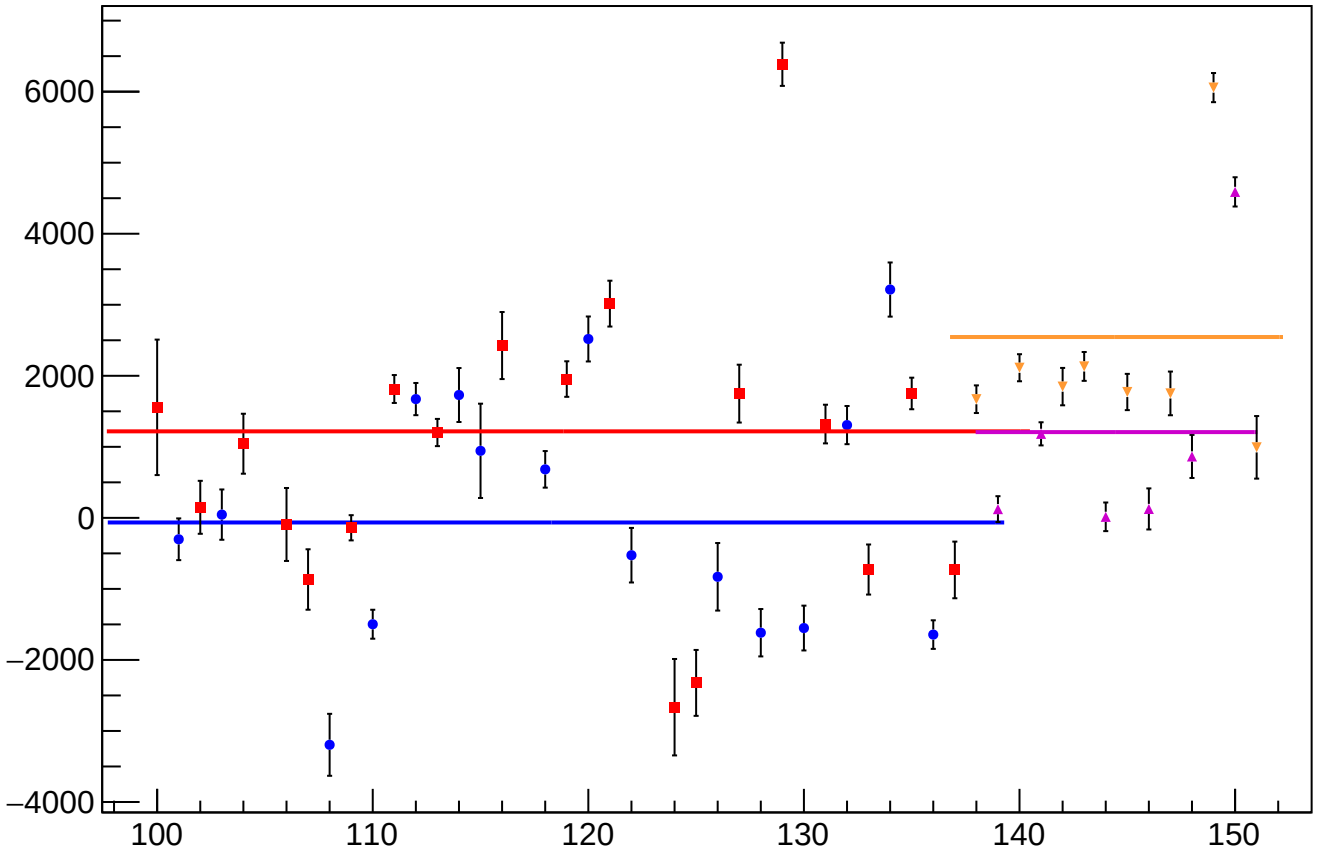
Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

Left In: 398.058+/-0.123 χ^2/NDF:21646.9/5

+ sign 1.511+/-0.001 χ^2/NDF: 23929522.0/23

All: 1.504+/-0.001 χ^2/NDF: 45604251.7/48

- sign 1.498+/-0.001 χ^2/NDF: 21674664.6/24



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 2545.882+/-82.348 χ^2/NDF:357.8/7

Right Out: 1217.846+/-69.022 χ^2/NDF: 594.6/18

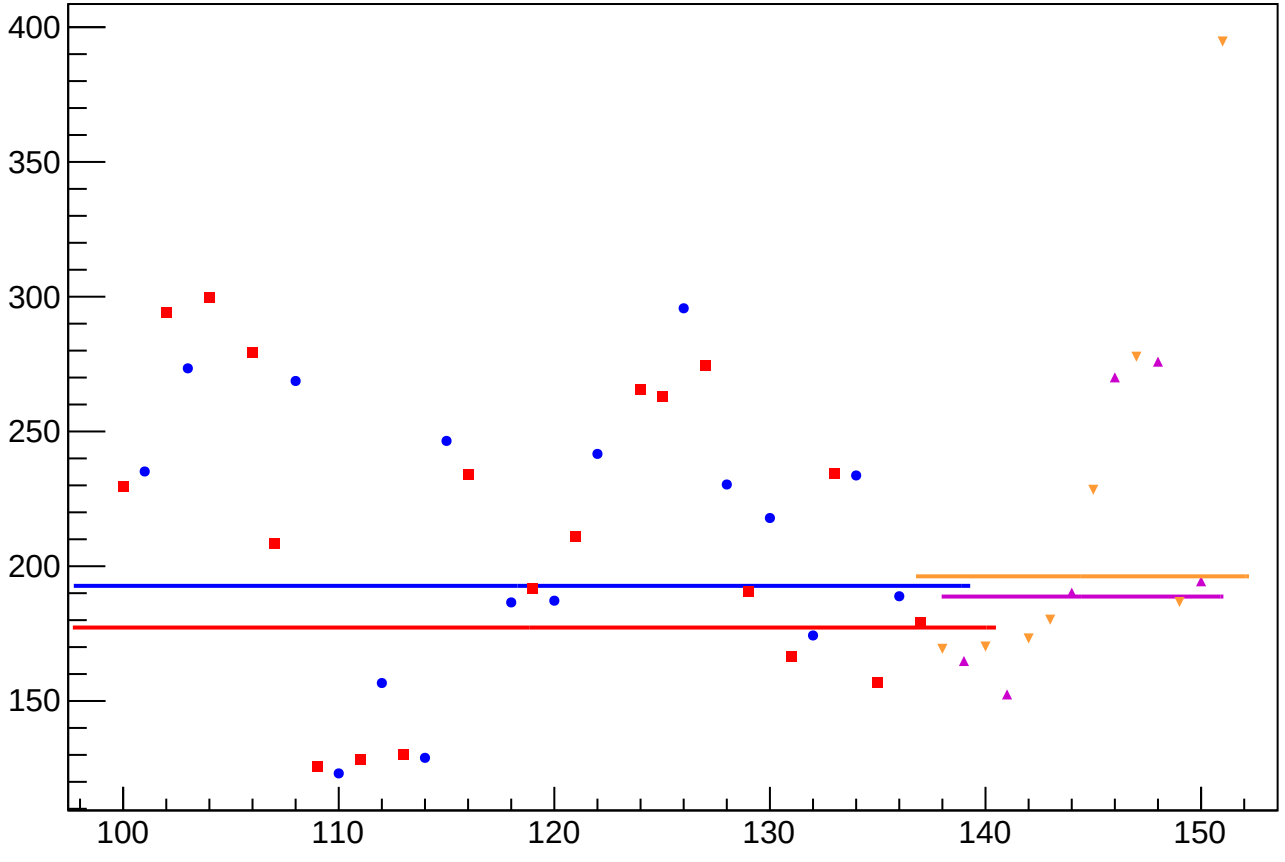
Left In: 1207.285+/-84.829 χ^2/NDF:355.4/5

\+ sign 1116.970+/-55.407 χ^2/NDF: 1377.4/23

All: 1166.961+/-38.501 χ^2/NDF: 2328.9/48

\- sign 1213.639+/-53.539 χ^2/NDF: 950.0/24

asym_bcm0l02_rms vs Slug



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 196.246+/-0.058 χ^2/NDF:685621.0/7

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

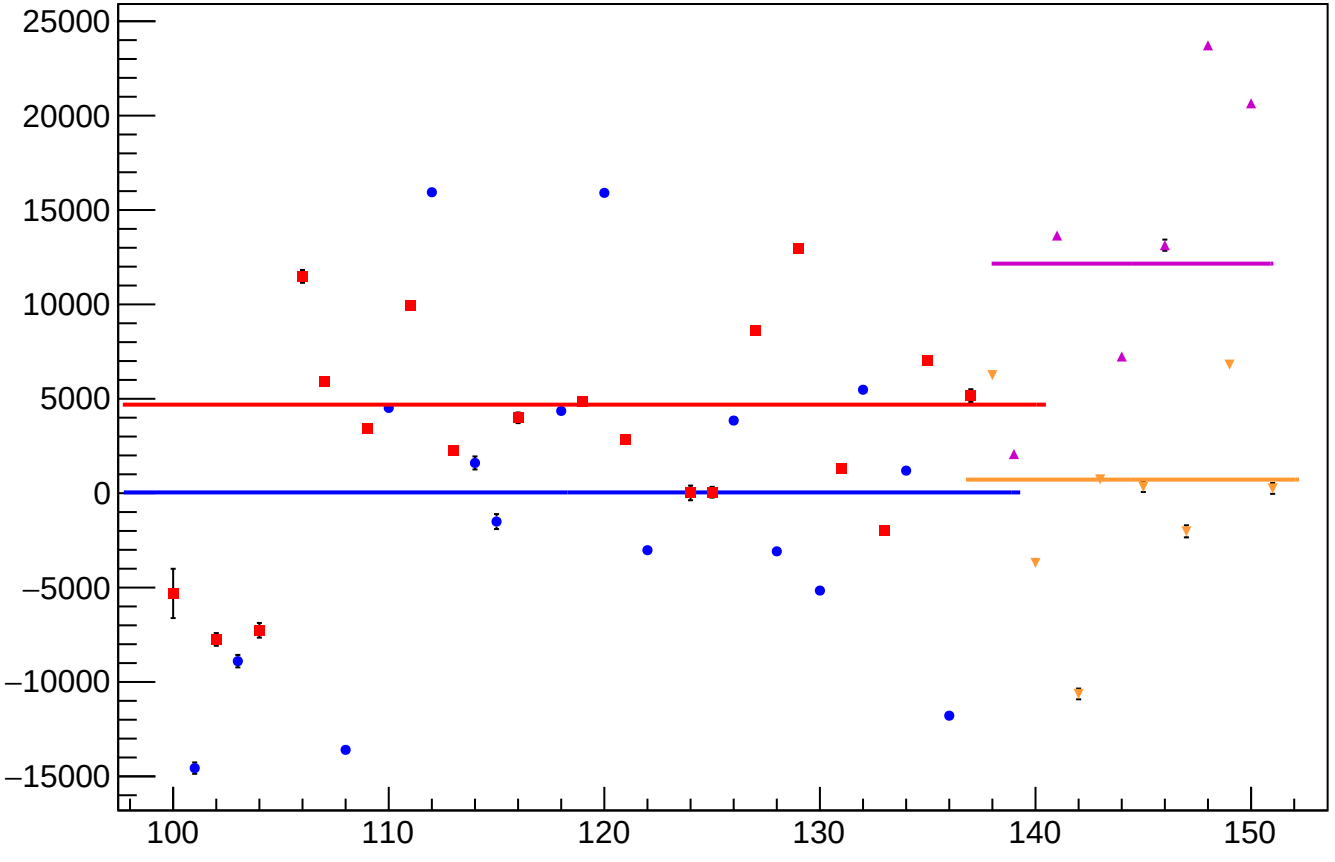
Left In: 188.745+/-0.060 χ^2/NDF:459109.7/5

+ sign 194.316+/-0.039 χ^2/NDF: 1446774.7/23

All: 187.859+/-0.027 χ^2/NDF: 3206680.2/48

- sign 181.830+/-0.038 χ^2/NDF: 1707382.0/24

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: 718.868+/-85.754 χ^2/NDF:3648.3/7

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

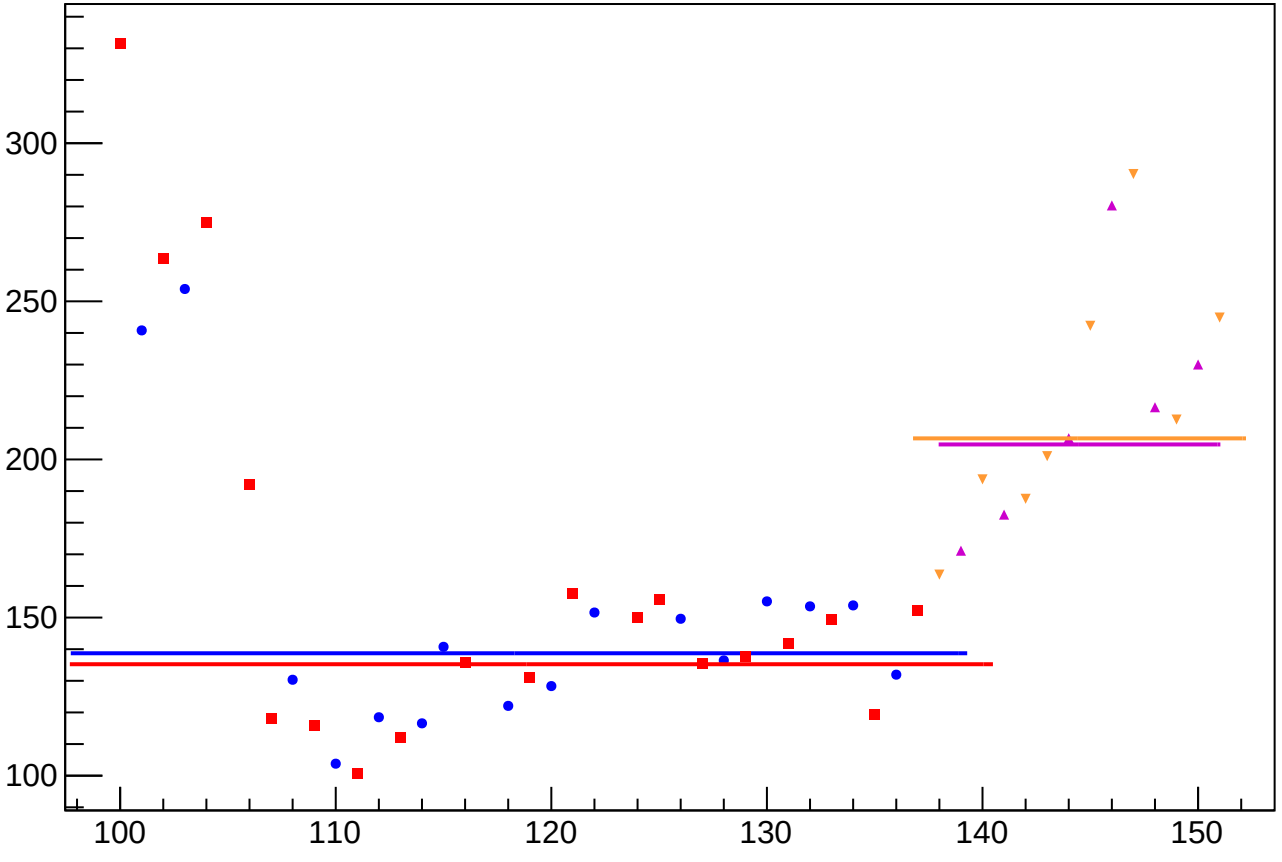
Left In: 12158.886+/-91.352 χ^2/NDF:6847.6/5

+ sign 234.429+/-45.815 χ^2/NDF: 34479.2/23

All: 3417.296+/-32.196 χ^2/NDF: 63702.3/48

- sign 6522.650+/-45.254 χ^2/NDF: 19687.8/24

asym_bpm0i02WS_rms vs Slug



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 206.661+/-0.061 χ^2/NDF:331759.4/7

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

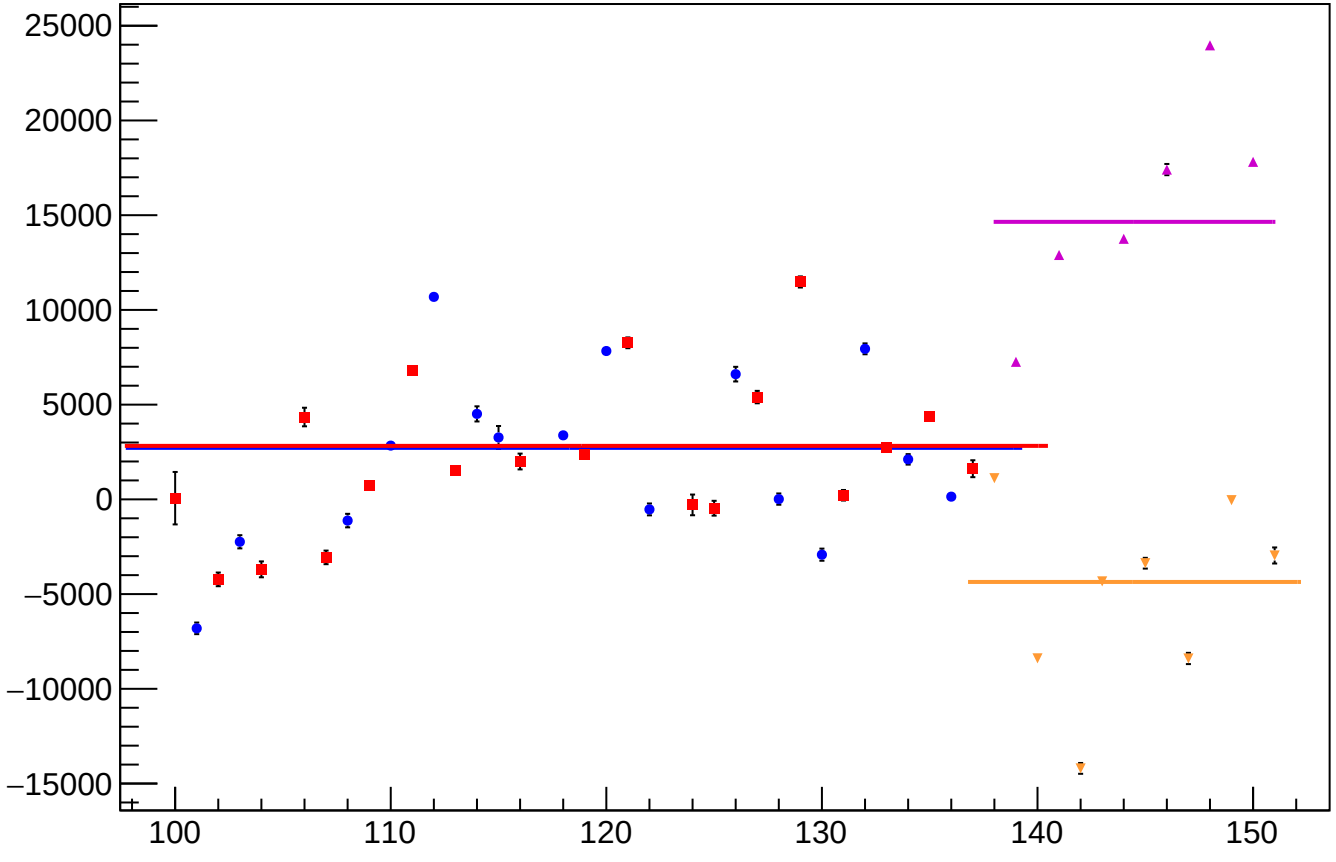
Left In: 204.744+/-0.065 χ^2/NDF:245499.5/5

+ sign 158.107+/-0.032 χ^2/NDF: 1886847.6/23

All: 155.168+/-0.023 χ^2/NDF: 3912144.5/48

- sign 152.300+/-0.032 χ^2/NDF: 2009033.0/24

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -4358.980+/-88.078 χ^2/NDF:2879.0/7

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

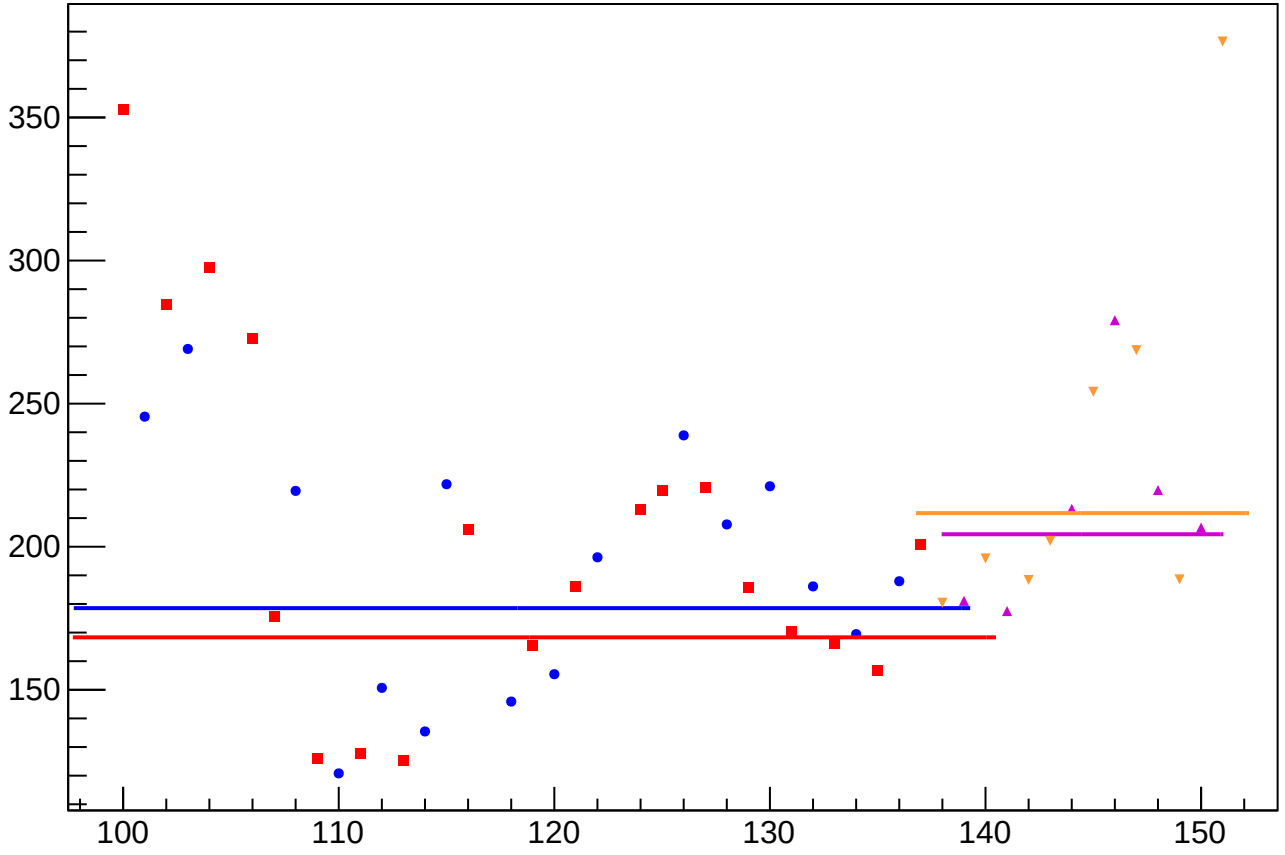
Left In: 14648.323+/-90.769 χ^2/NDF:3209.9/5

+ sign 15.791+/-54.437 χ^2/NDF: 11000.2/23

All: 3523.761+/-37.888 χ^2/NDF: 36562.7/48

- sign 6819.720+/-52.767 χ^2/NDF: 17508.3/24

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 211.743+/-0.062 χ^2/NDF:519493.7/7

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

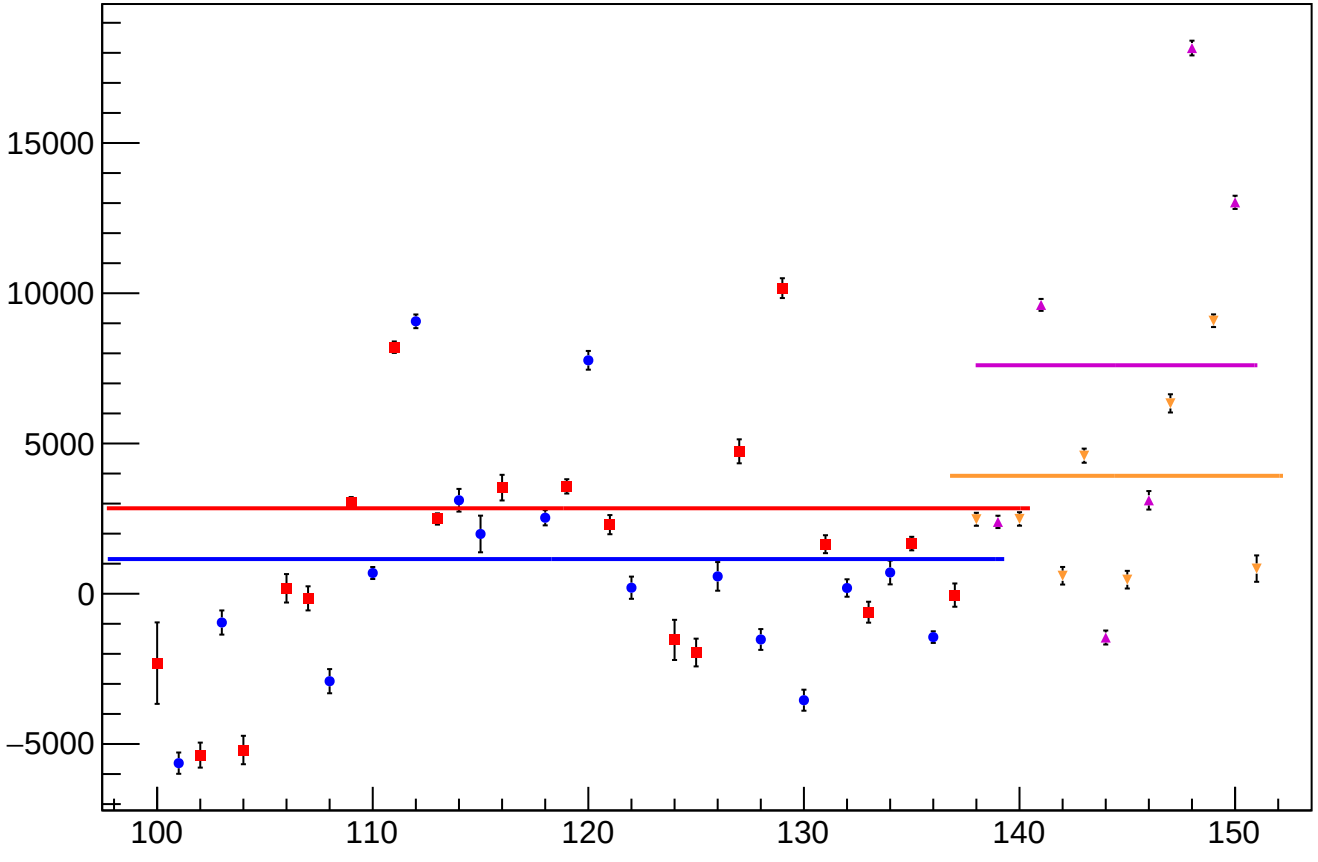
Left In: 204.357+/-0.064 χ^2/NDF:206056.2/5

+ sign 191.224+/-0.038 χ^2/NDF: 1369702.4/23

All: 185.699+/-0.027 χ^2/NDF: 2803749.9/48

- sign 180.508+/-0.037 χ^2/NDF: 1394090.1/24

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 3924.430+/-90.916 χ^2/NDF:1071.7/7

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

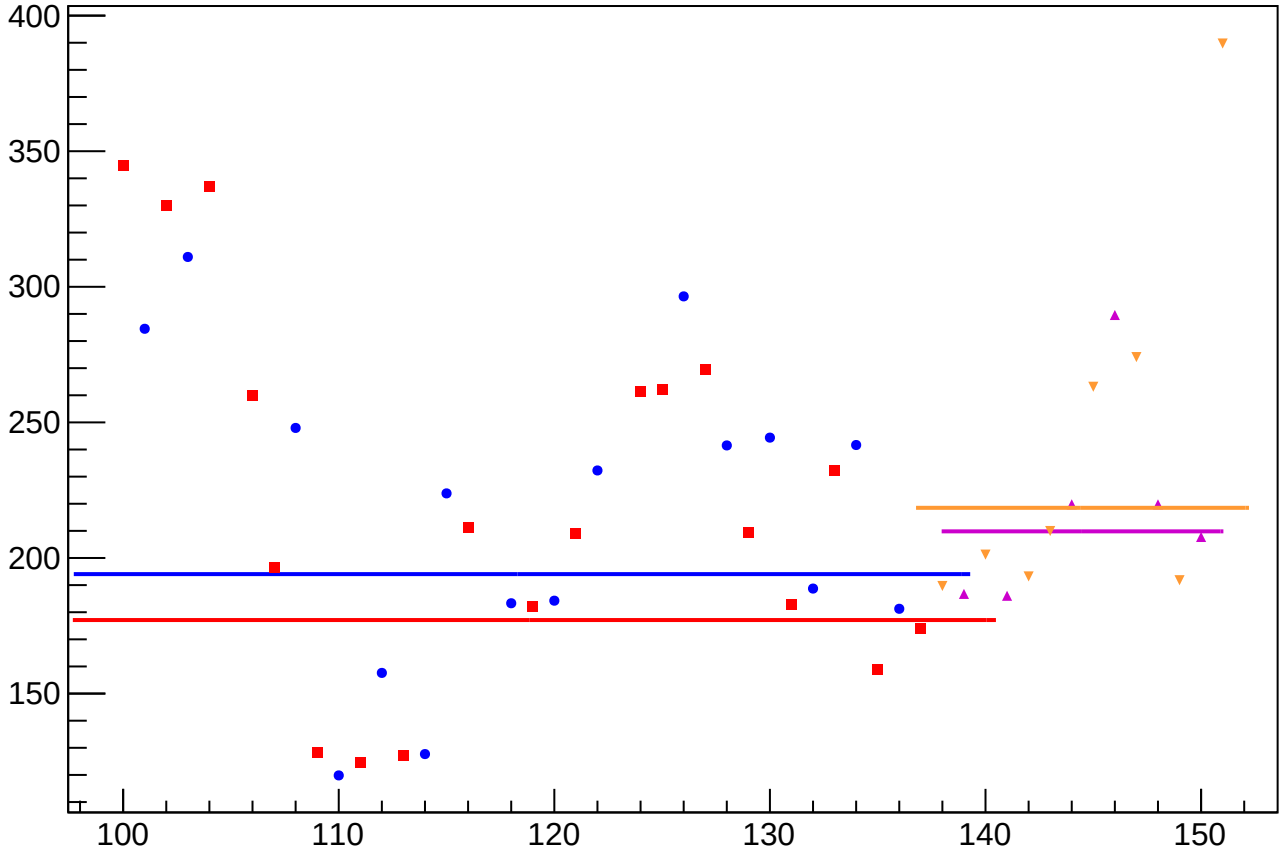
Left In: 7603.653+/-93.178 χ^2/NDF:4927.1/5

\+ sign 2292.734+/-58.291 χ^2/NDF: 4274.0/23

All: 3467.816+/-40.204 χ^2/NDF: 14112.2/48

\- sign 4533.980+/-55.523 χ^2/NDF: 9063.1/24

asym_bpm0i05WS_rms vs Slug



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 218.502+/-0.064 χ^2/NDF:513736.4/7

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

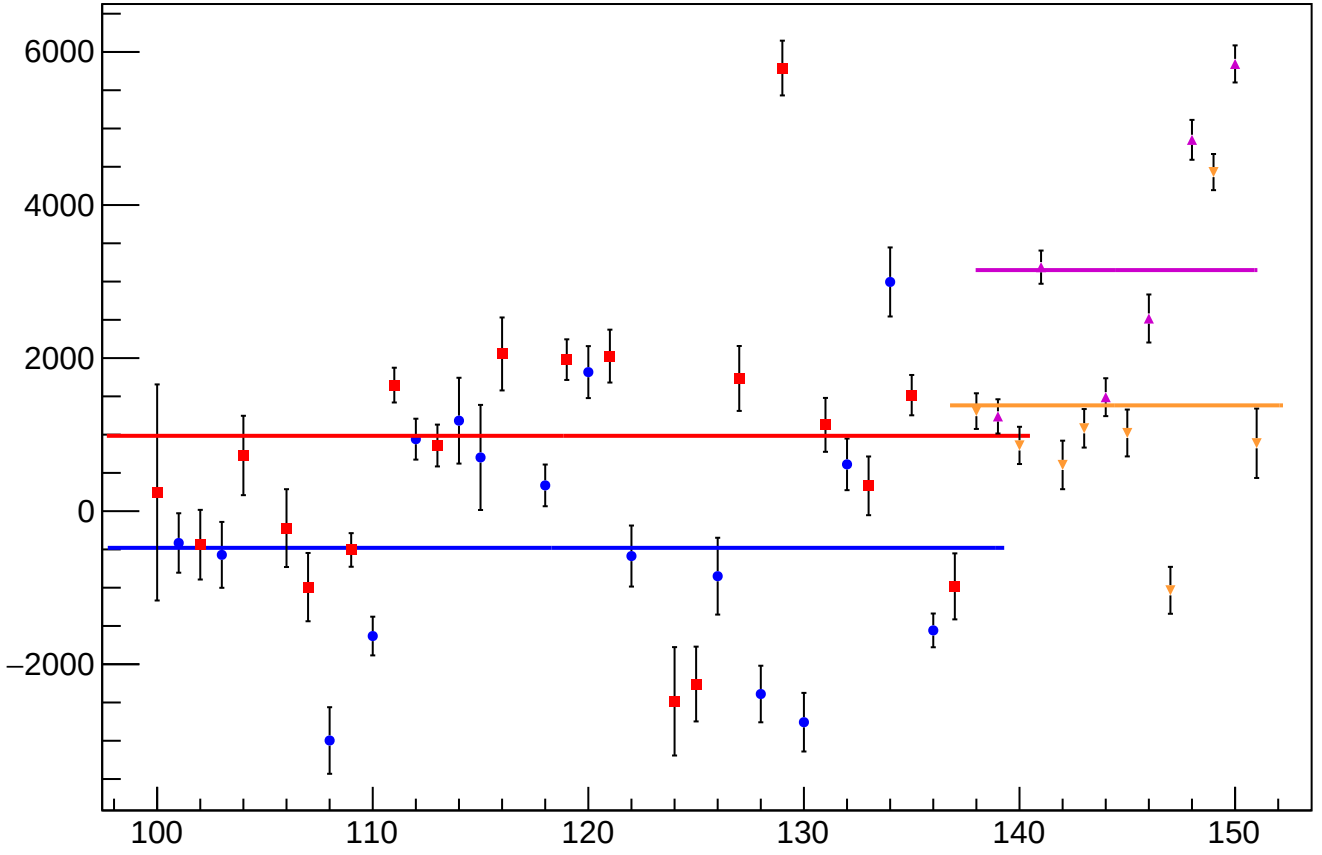
Left In: 209.821+/-0.066 χ^2/NDF:195042.9/5

+ sign 204.103+/-0.041 χ^2/NDF: 1564700.2/23

All: 196.042+/-0.028 χ^2/NDF: 3350952.3/48

- sign 188.728+/-0.039 χ^2/NDF: 1713299.9/24

asym_bpm0i07WS_mean vs Slug



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 1382.392+/-97.528 χ^2/NDF:243.6/7

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

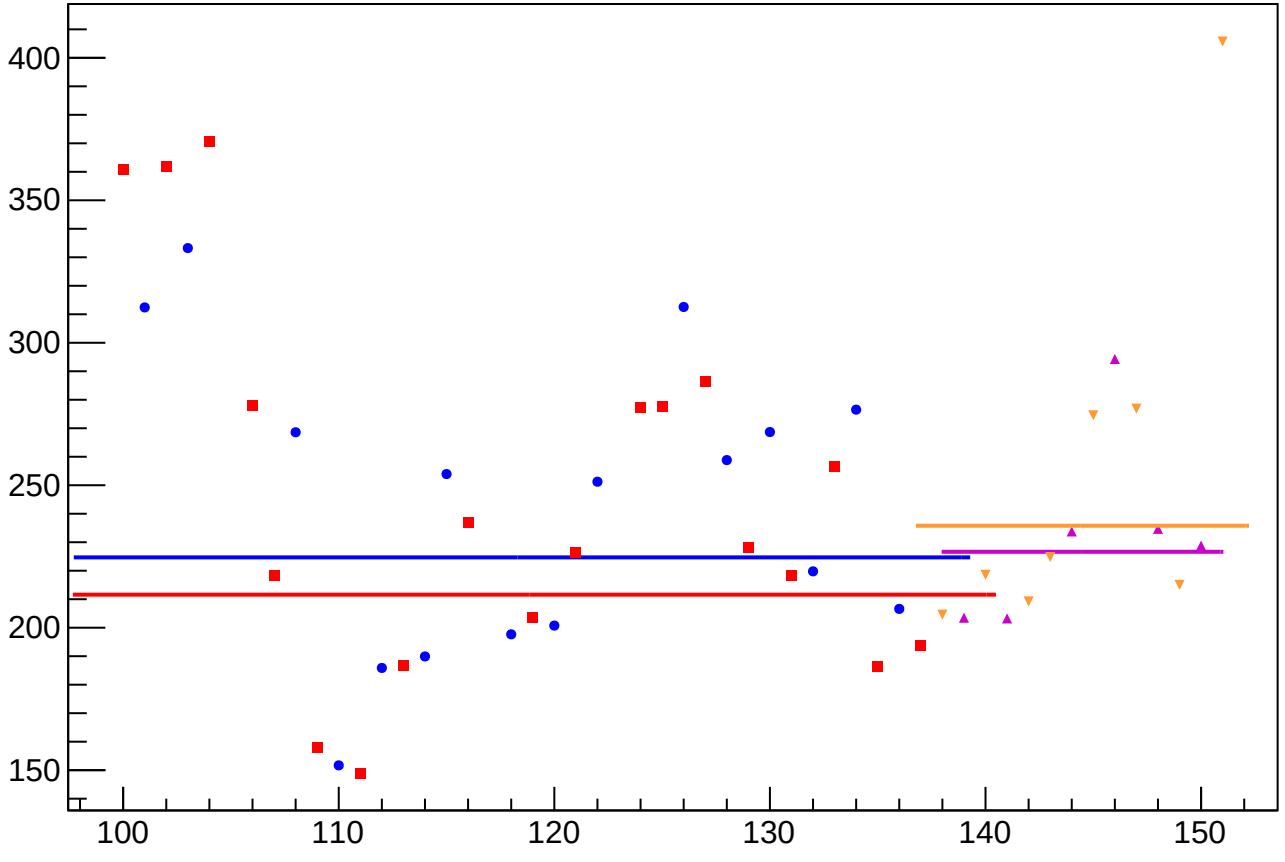
Left In: 3150.050+/-100.247 χ^2/NDF:288.5/5

+ sign 342.341+/-64.791 χ^2/NDF: 752.6/23

All: 1111.997+/-45.160 χ^2/NDF: 1996.1/48

- sign 1839.173+/-62.978 χ^2/NDF: 969.1/24

asym_bpm0i07WS_rms vs Slug



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 235.789+/-0.069 χ^2/NDF:427627.2/7

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

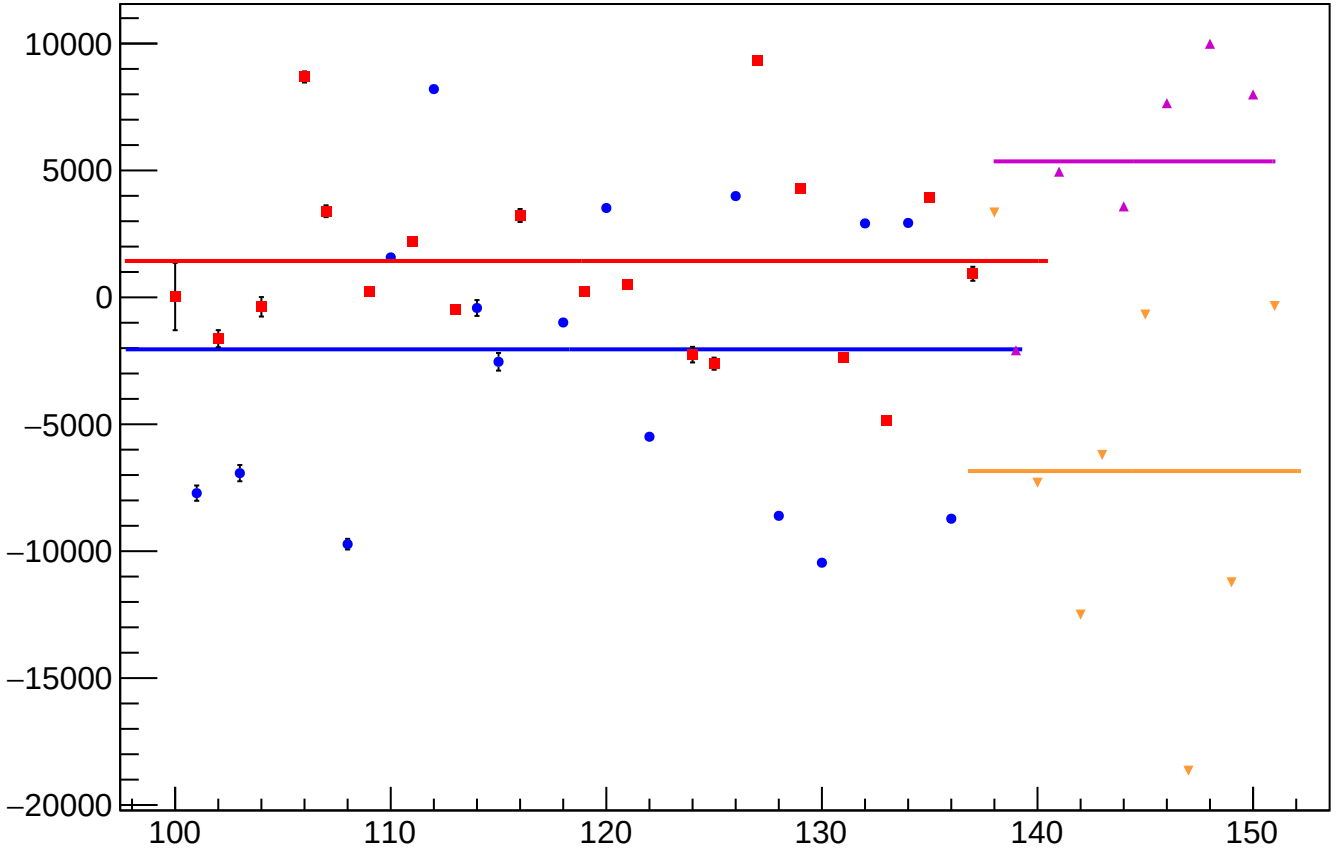
Left In: 226.647+/-0.071 χ^2/NDF:141440.4/5

+ sign 229.584+/-0.046 χ^2/NDF: 1095309.7/23

All: 223.389+/-0.032 χ^2/NDF: 2232510.3/48

- sign 217.536+/-0.045 χ^2/NDF: 1101637.6/24

asym_bpm1i02WS_mean vs Slug



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -6843.445+/-45.713 χ^2/NDF:22907.2/7

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

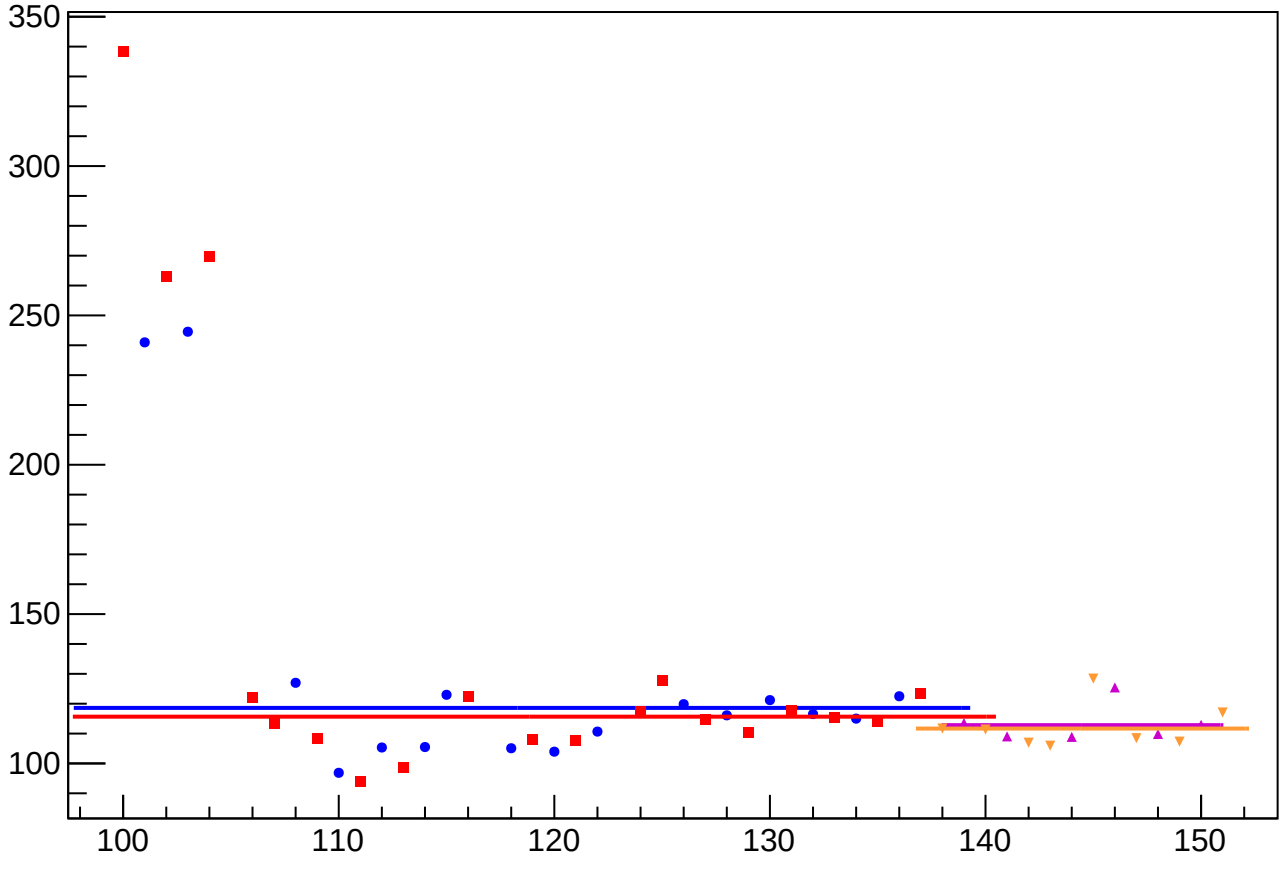
Left In: 5357.407+/-49.971 χ^2/NDF:5925.2/5

+ sign -4497.671+/-32.675 χ^2/NDF: 45000.2/23

All: -735.490+/-23.332 χ^2/NDF: 87786.9/48

- sign 3178.572+/-33.328 χ^2/NDF: 15737.2/24

asym_bpm1i02WS_rms vs Slug



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 111.677+/-0.032 χ^2/NDF:40557.6/7

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

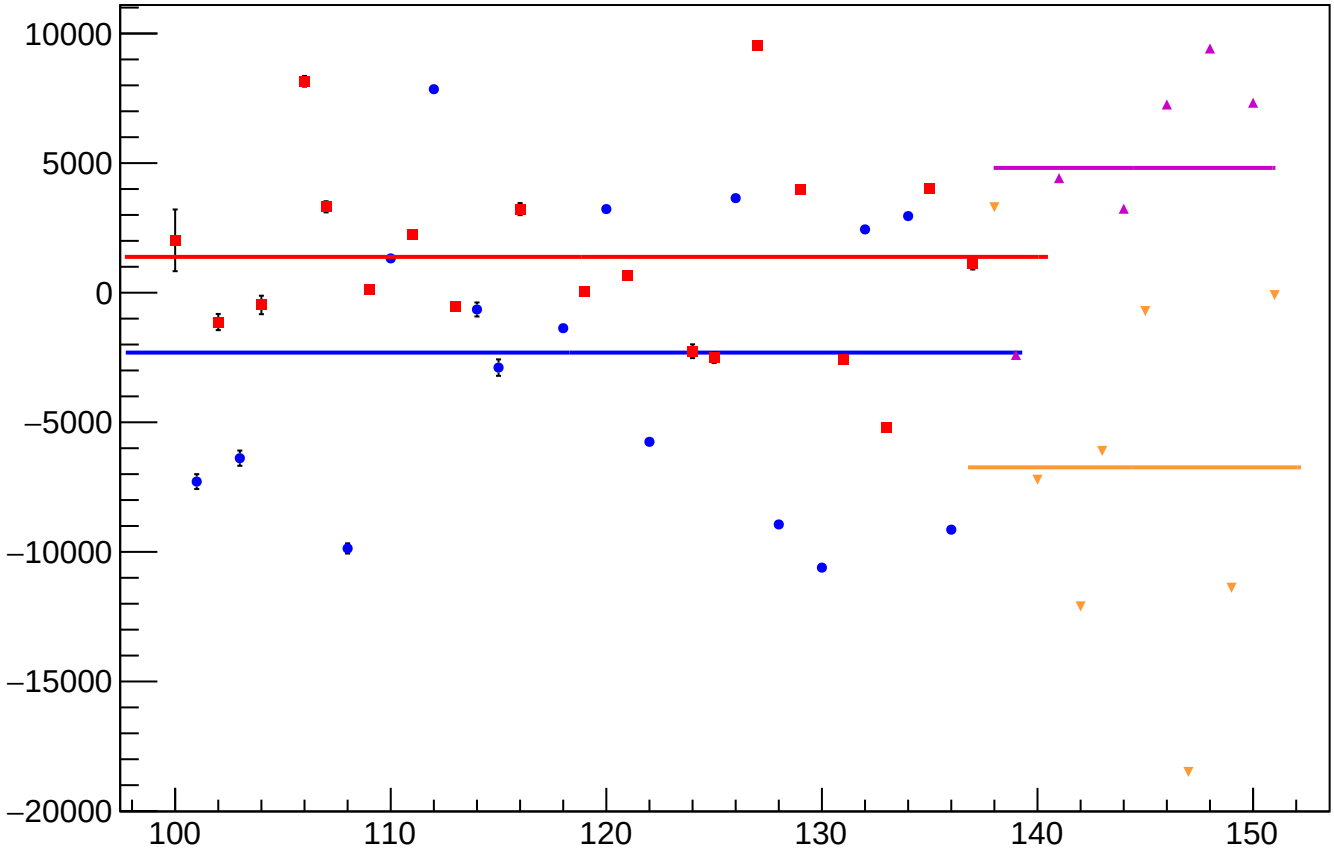
Left In: 112.822+/-0.035 χ^2/NDF:23349.4/5

+ sign 115.061+/-0.023 χ^2/NDF: 797125.9/23

All: 114.736+/-0.016 χ^2/NDF: 1688666.7/48

- sign 114.397+/-0.024 χ^2/NDF: 891136.6/24

asym_bpm2i01WS_mean vs Slug



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -6738.735+/-41.771 χ^2/NDF:27298.6/7

Right Out: 1382.178+/-39.342 χ^2/NDF: 8578.9/18

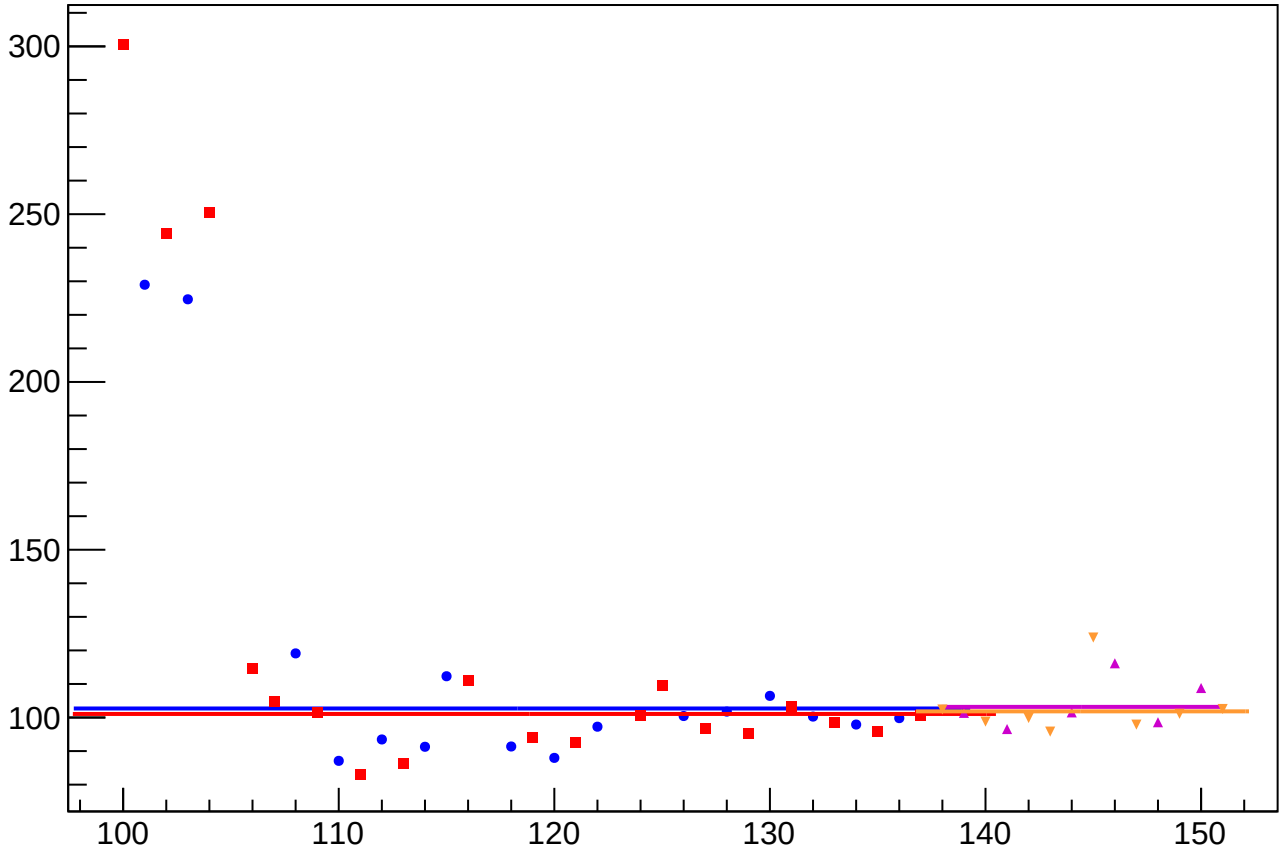
Left In: 4814.536+/-45.790 χ^2/NDF:6907.8/5

+ sign -4469.046+/-29.163 χ^2/NDF: 54738.4/23

All: -898.504+/-20.857 χ^2/NDF: 104142.2/48

- sign 2839.853+/-29.841 χ^2/NDF: 18719.2/24

asym_bpm2i01WS_rms vs Slug



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 101.838+/-0.030 χ^2/NDF:60358.5/7

Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

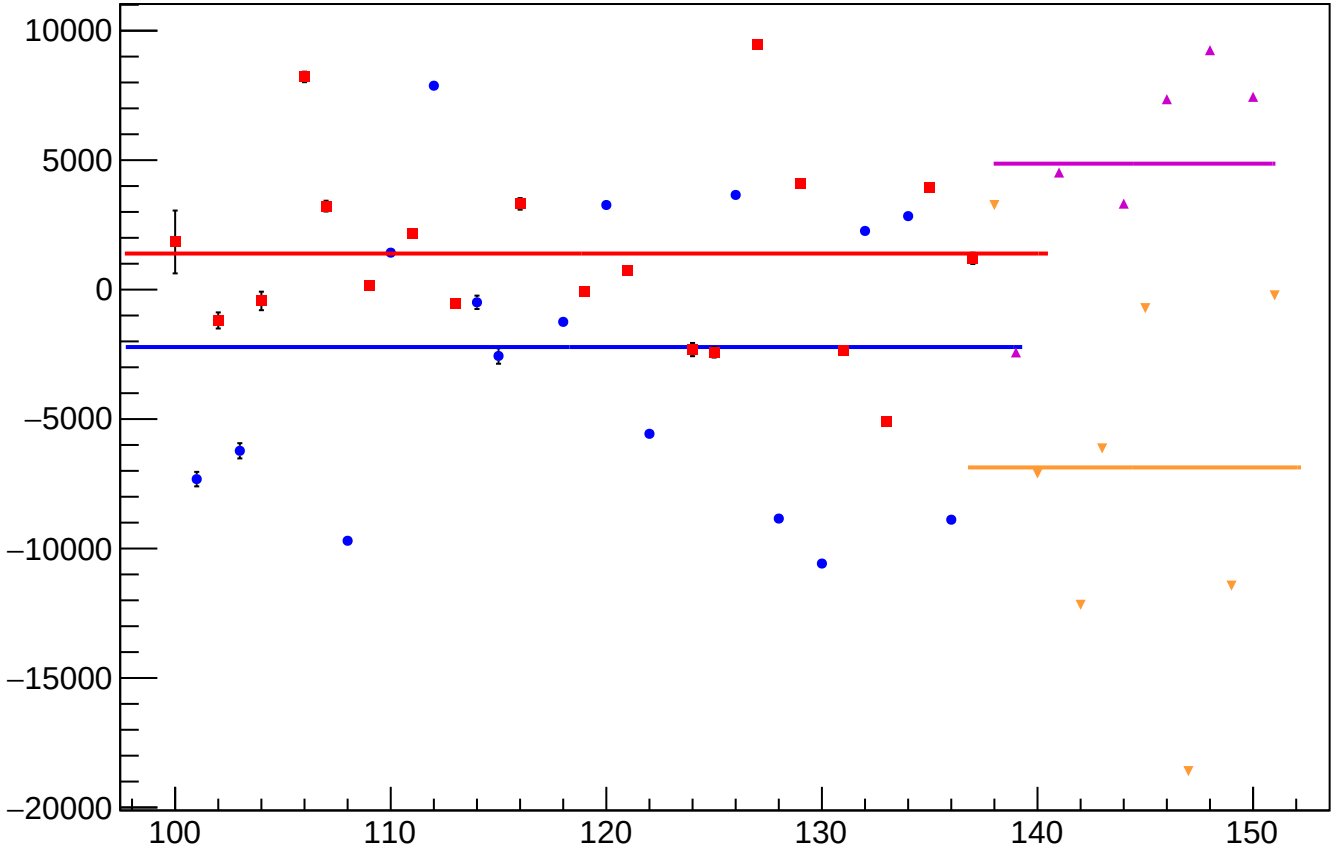
Left In: 103.174+/-0.032 χ^2/NDF:39102.7/5

+ sign 102.277+/-0.021 χ^2/NDF: 886590.3/23

All: 102.122+/-0.015 χ^2/NDF: 1858711.5/48

- sign 101.960+/-0.021 χ^2/NDF: 972005.9/24

asym_bpm2i02WS_mean vs Slug



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -6867.612+/-40.515 χ^2/NDF:29591.2/7

Right Out: 1393.557+/-37.580 χ^2/NDF: 9152.1/18

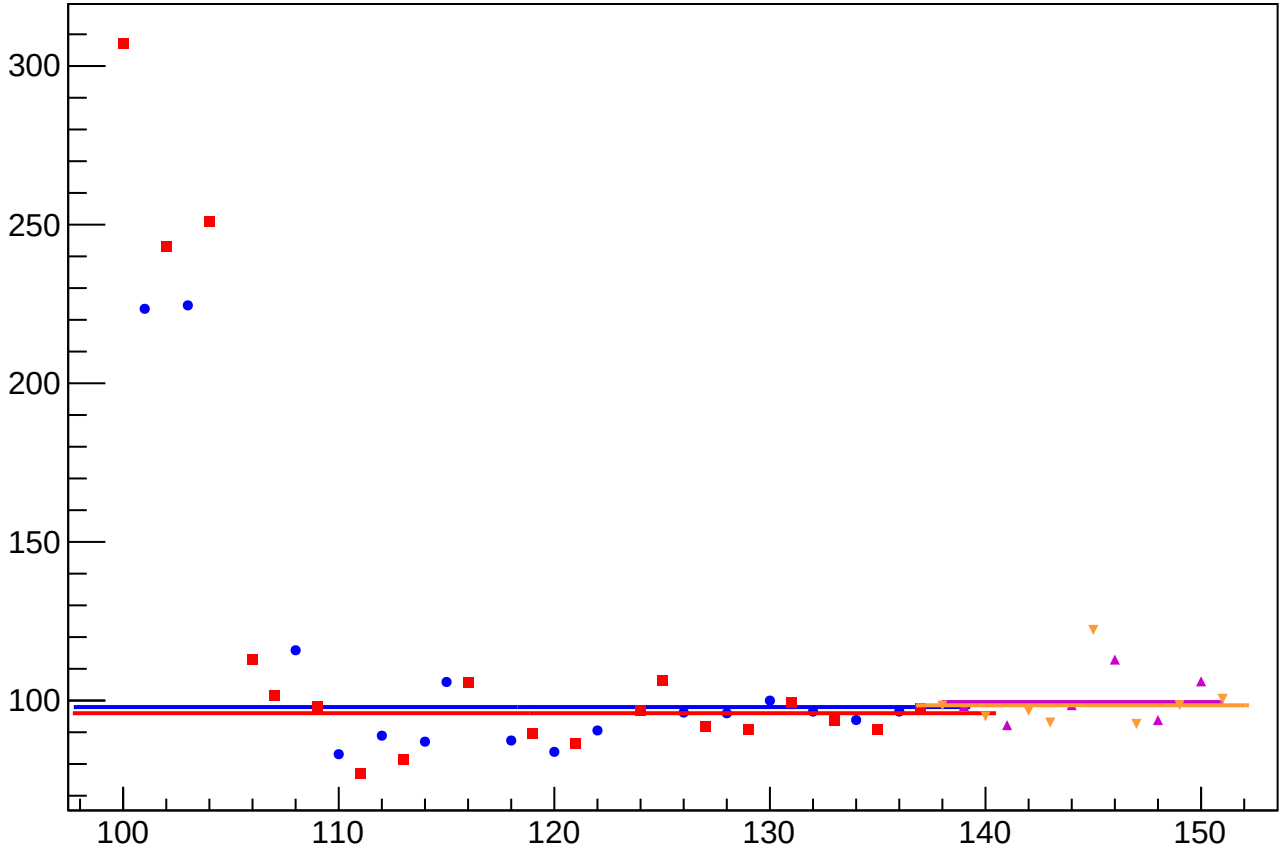
Left In: 4864.626+/-44.296 χ^2/NDF:7319.4/5

+ sign -4456.557+/-28.112 χ^2/NDF: 59461.2/23

All: -875.185+/-20.068 χ^2/NDF: 112597.4/48

- sign 2846.245+/-28.657 χ^2/NDF: 20042.0/24

asym_bpm2i02WS_rms vs Slug



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 98.501+/-0.029 χ^2/NDF:73766.7/7

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

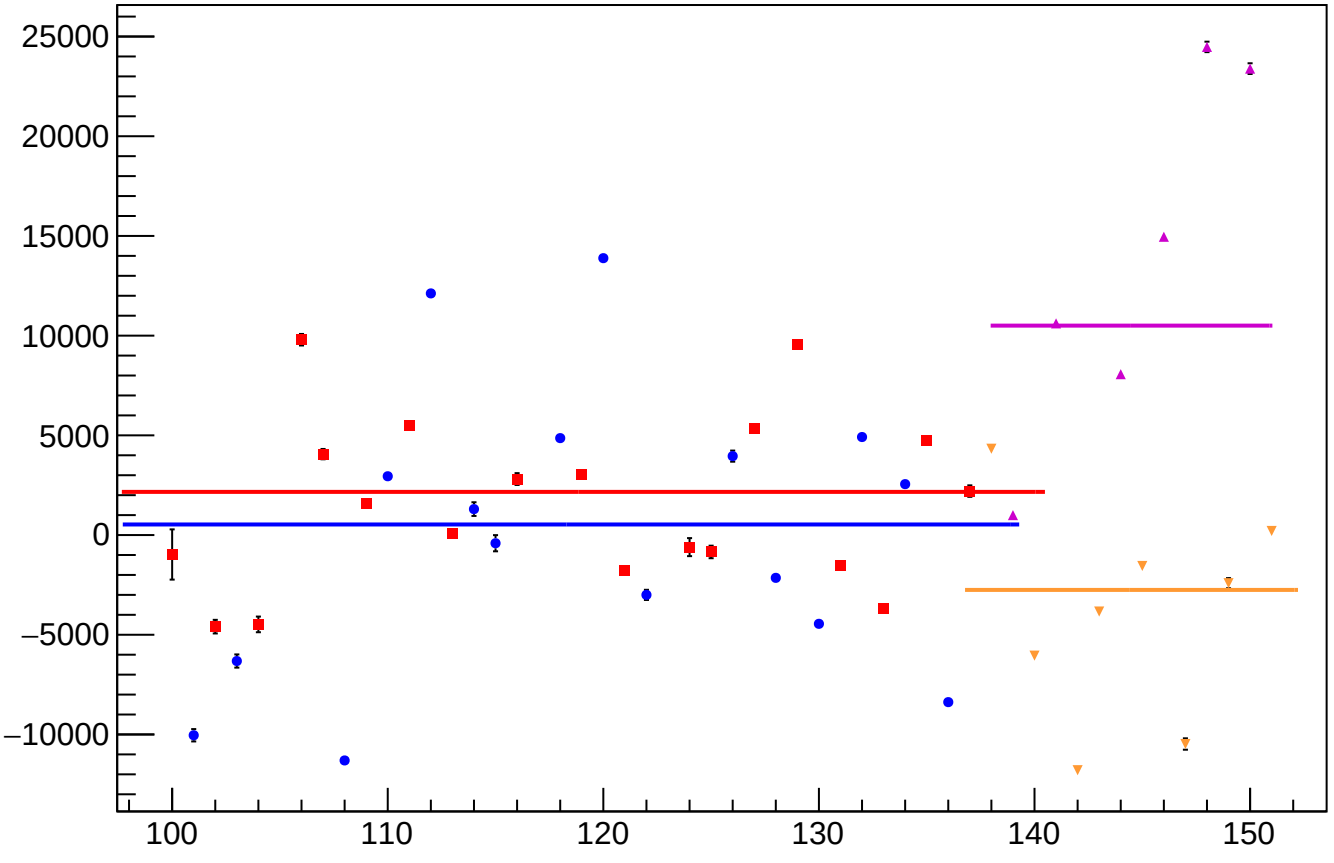
Left In: 99.517+/-0.031 χ^2/NDF:48095.7/5

+ sign 98.212+/-0.020 χ^2/NDF: 942111.4/23

All: 97.850+/-0.014 χ^2/NDF: 2010480.2/48

- sign 97.475+/-0.020 χ^2/NDF: 1067694.1/24

asym_bpm0i01WS_mean vs Slug



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -2751.225+/-68.404 χ^2/NDF:5067.9/7

Right Out: 2164.994+/-53.458 χ^2/NDF: 4967.1/18

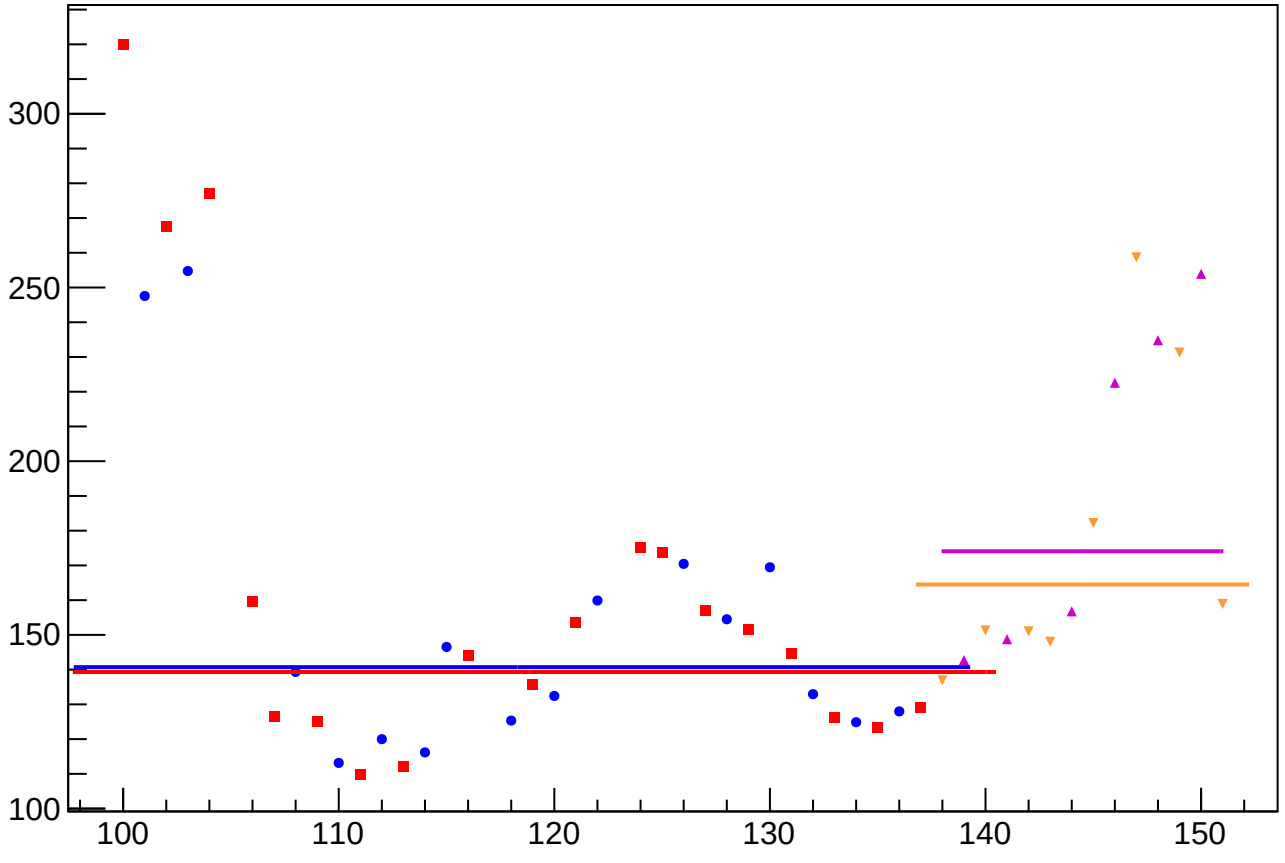
Left In: 10502.603+/-78.653 χ^2/NDF:9319.8/5

+ sign -753.885+/-42.794 χ^2/NDF: 25056.4/23

All: 1932.305+/-30.749 χ^2/NDF: 55175.4/48

- sign 4799.535+/-44.213 χ^2/NDF: 21973.3/24

asym_bpm0i01WS_rms vs Slug



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 164.502+/-0.048 χ^2/NDF:474069.8/7

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

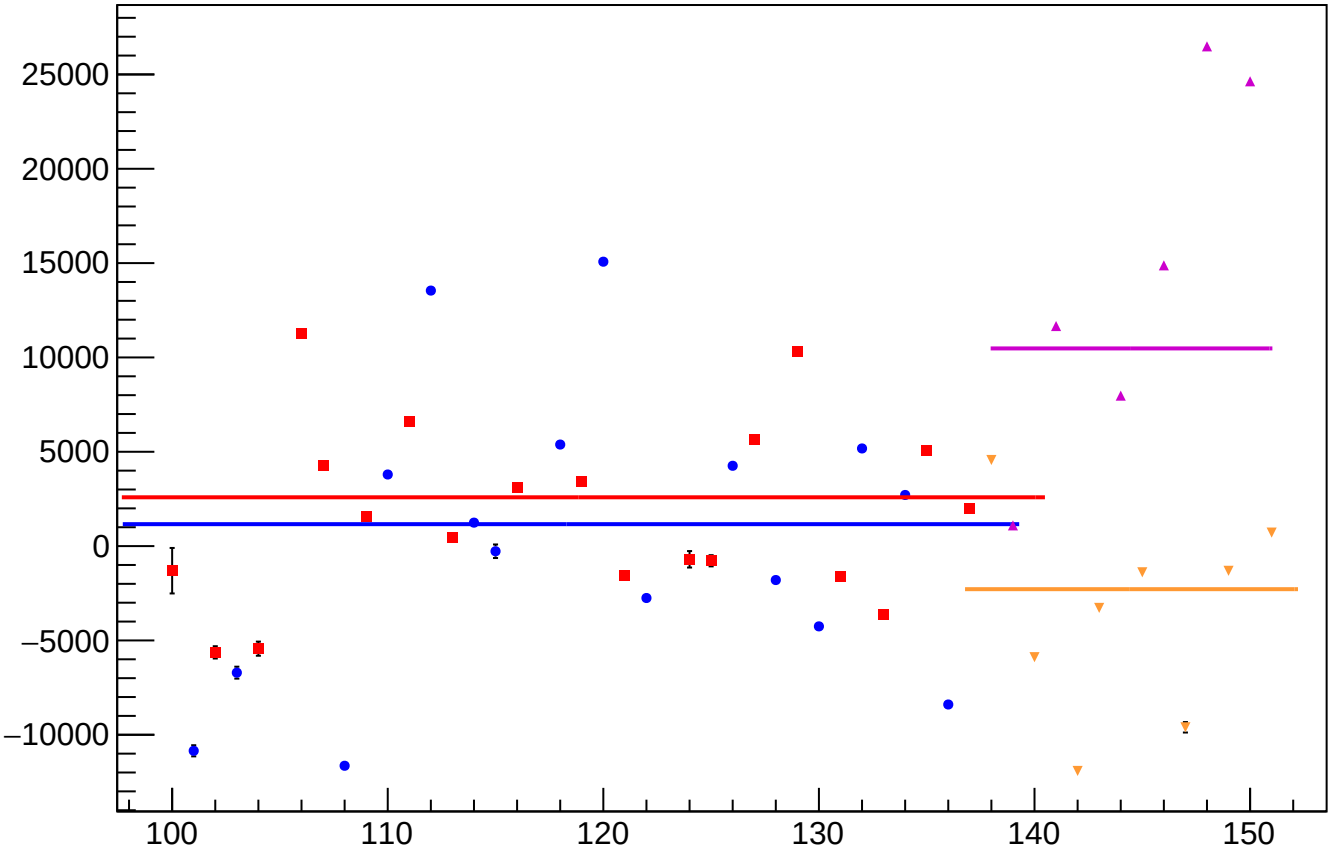
Left In: 174.070+/-0.056 χ^2/NDF:519226.9/5

+ sign 150.025+/-0.030 χ^2/NDF: 1296884.2/23

All: 150.157+/-0.022 χ^2/NDF: 2885552.1/48

- sign 150.298+/-0.031 χ^2/NDF: 1588628.6/24

asym_bpm0i01aWS_mean vs Slug



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -2282.983+/-61.500 χ^2/NDF:6537.2/7

Right Out: 2586.755+/-44.256 χ^2/NDF: 8099.7/18

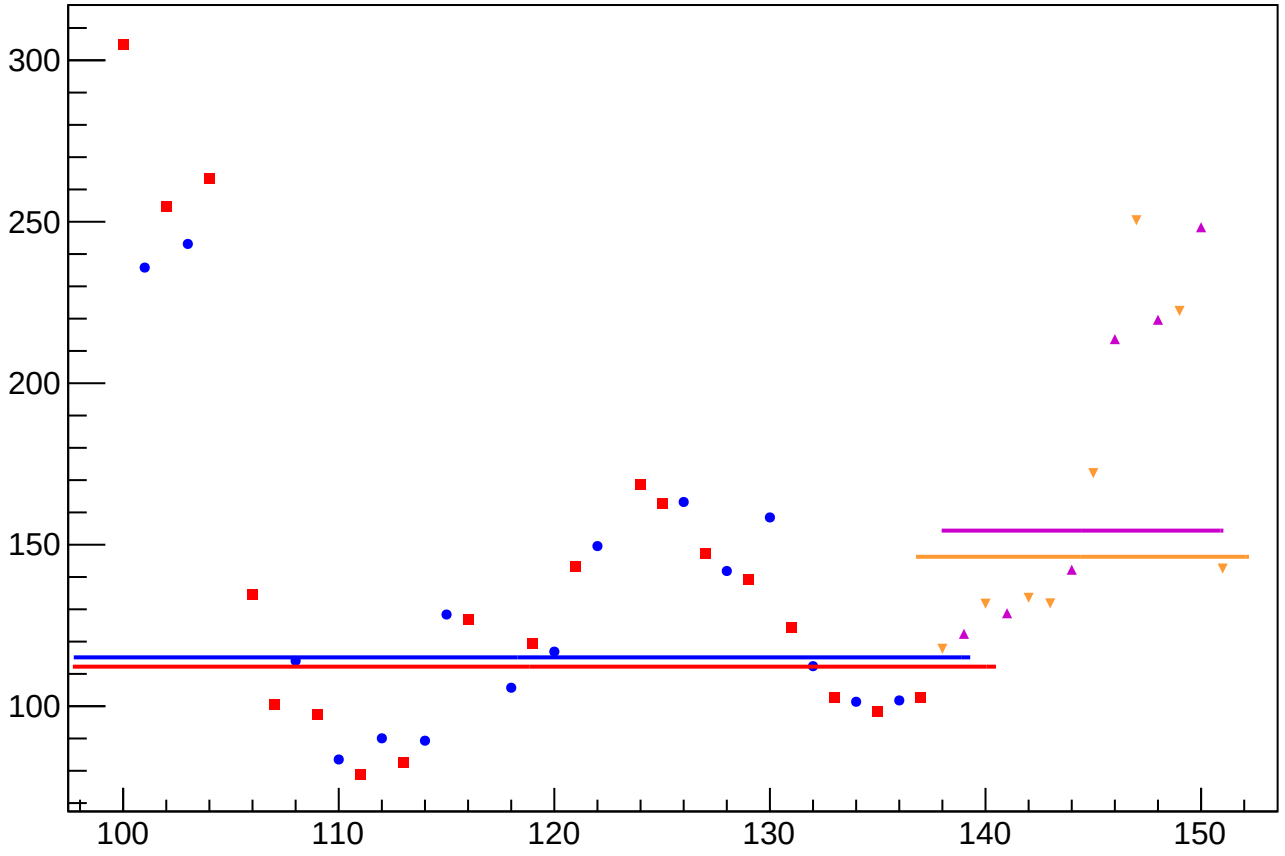
Left In: 10477.473+/-70.730 χ^2/NDF:12547.8/5

+ sign -70.855+/-36.800 χ^2/NDF: 39307.0/23

All: 2320.921+/-26.271 χ^2/NDF: 77513.4/48

- sign 4806.861+/-37.517 χ^2/NDF: 29591.7/24

asym_bpm0i01aWS_rms vs Slug



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 146.263+/-0.043 χ^2/NDF:650260.0/7

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

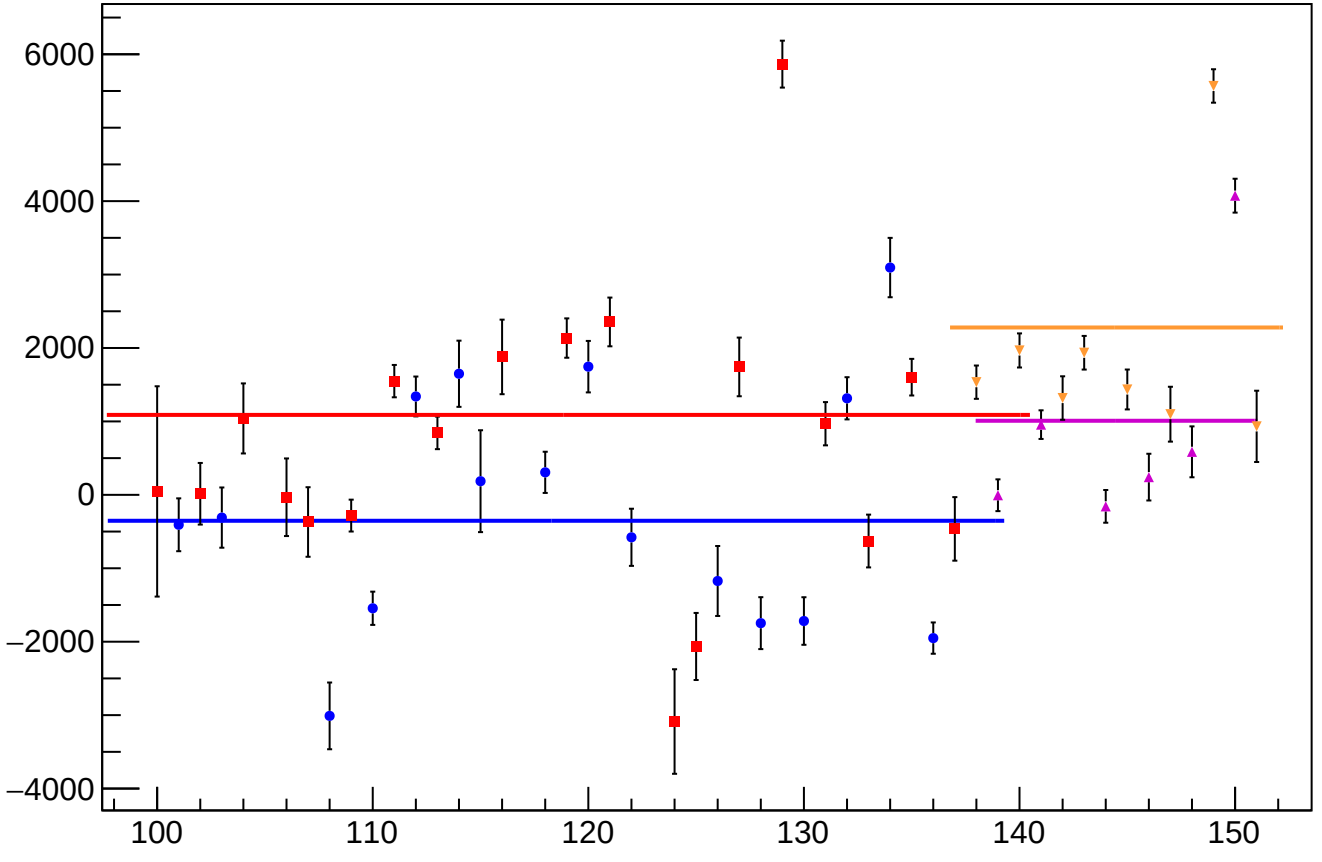
Left In: 154.369+/-0.050 χ^2/NDF:723415.8/5

+ sign 126.274+/-0.026 χ^2/NDF: 2092355.6/23

All: 125.205+/-0.019 χ^2/NDF: 4657259.5/48

- sign 124.094+/-0.027 χ^2/NDF: 2561462.5/24

asym_bpm0l01WS_mean vs Slug



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 2279.205+/-94.205 χ^2/NDF:261.3/7

Right Out: 1088.752+/-76.444 χ^2/NDF: 447.2/18

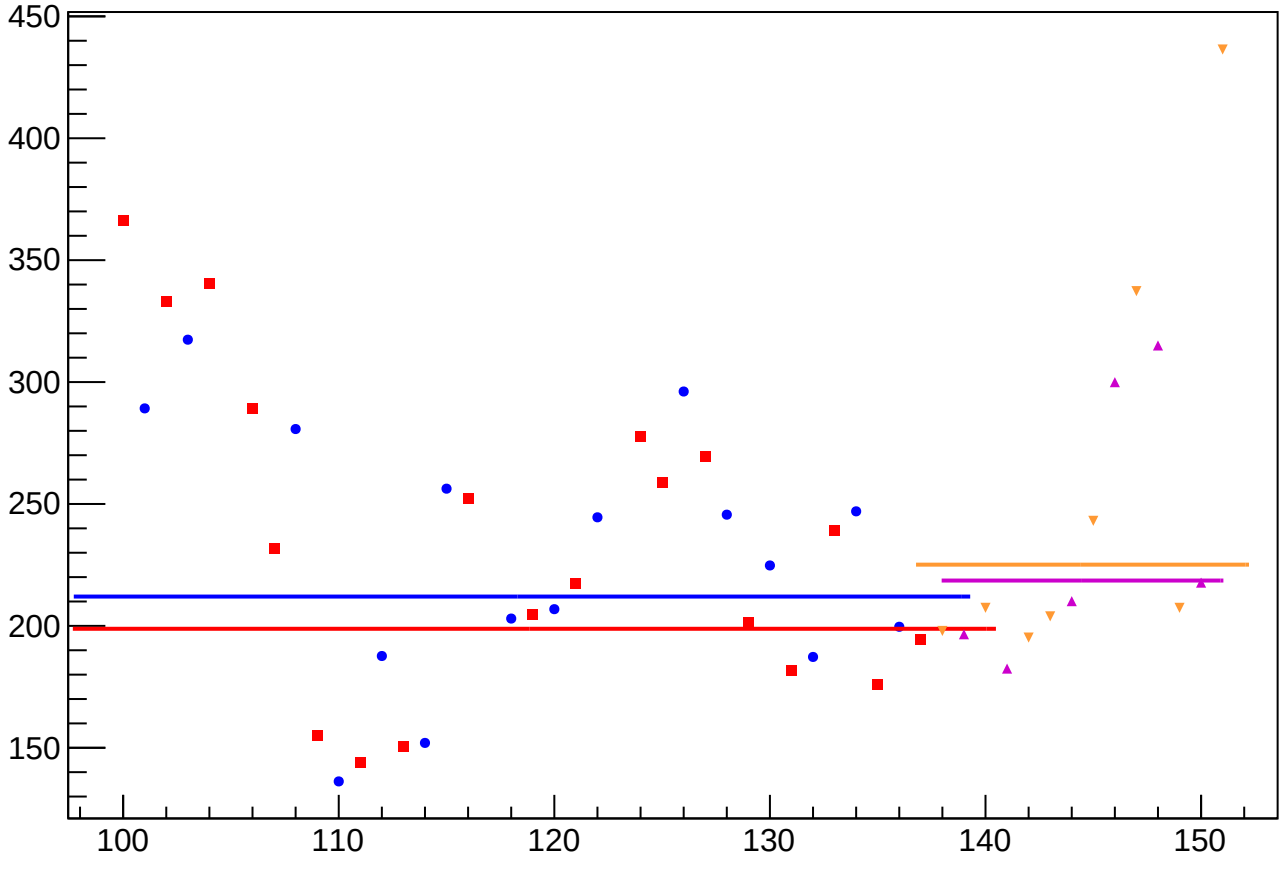
Left In: 1008.859+/-97.680 χ^2/NDF:233.4/5

+ sign 783.719+/-61.909 χ^2/NDF: 1066.7/23

All: 924.905+/-43.159 χ^2/NDF: 1757.8/48

- sign 1058.406+/-60.200 χ^2/NDF: 681.0/24

asym_bpm0l01WS_rms vs Slug



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 225.114+/-0.067 χ^2/NDF:657934.5/7

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

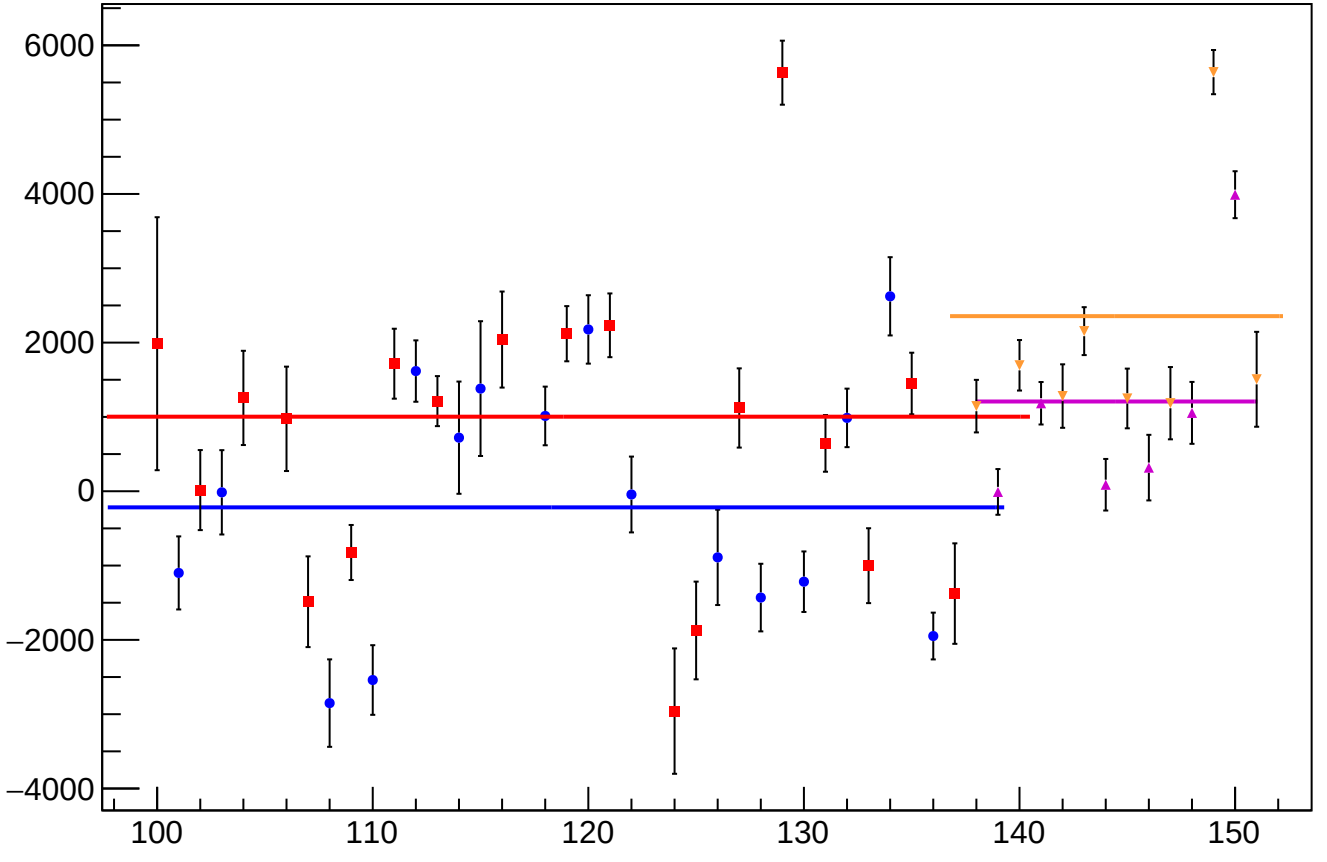
Left In: 218.596+/-0.069 χ^2/NDF:377794.1/5

+ sign 217.679+/-0.044 χ^2/NDF: 1370221.0/23

All: 211.843+/-0.031 χ^2/NDF: 2808417.7/48

- sign 206.325+/-0.043 χ^2/NDF: 1403616.6/24

asym_bpm0l02WS_mean vs Slug



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 2355.985+/-133.695 χ^2/NDF:159.4/7

Right Out: 1003.049+/-113.111 χ^2/NDF: 254.3/18

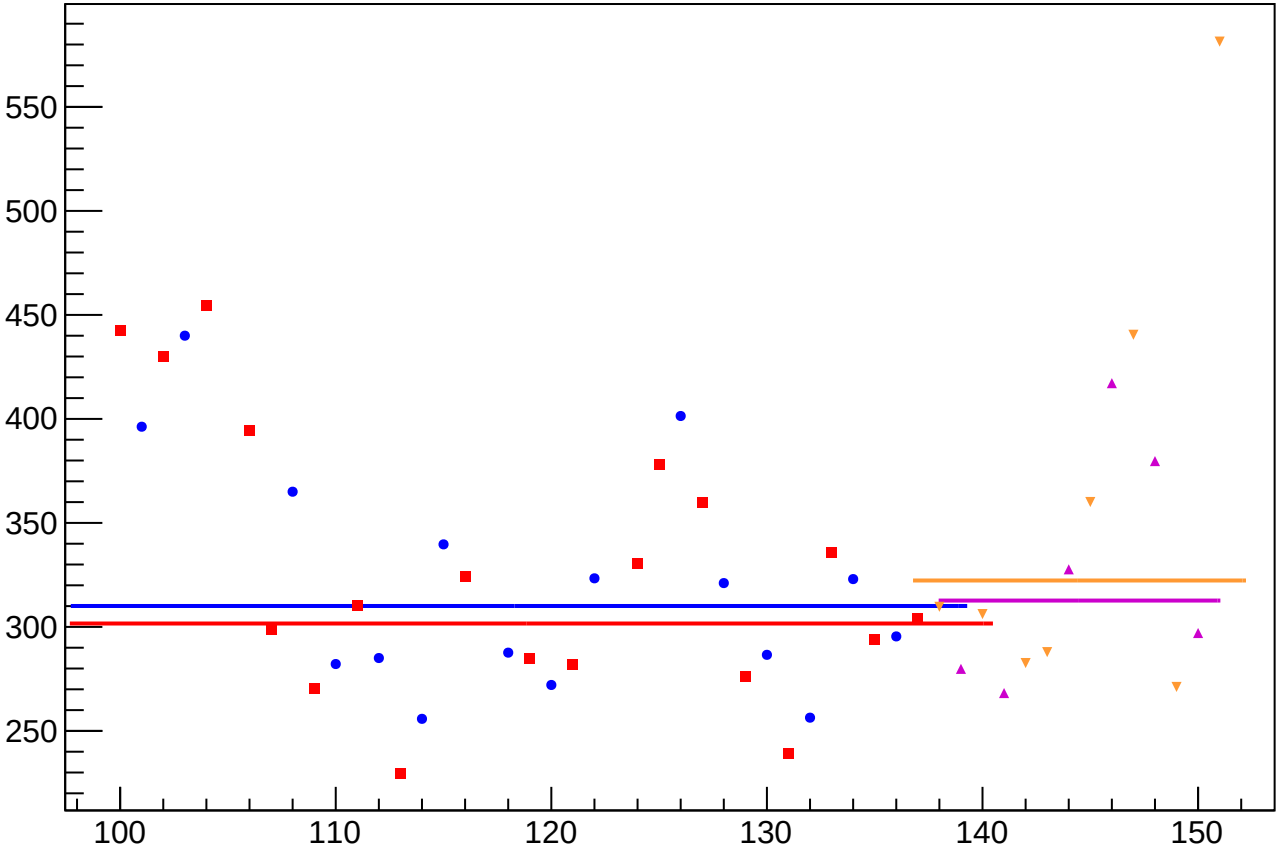
Left In: 1207.408+/-138.613 χ^2/NDF:107.9/5

+ sign 908.483+/-88.422 χ^2/NDF: 559.9/23

All: 997.397+/-62.244 χ^2/NDF: 925.5/48

- sign 1084.735+/-87.636 χ^2/NDF: 363.5/24

asym_bpm0l02WS_rms vs Slug



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 322.319+/-0.095 χ^2/NDF:571288.3/7

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

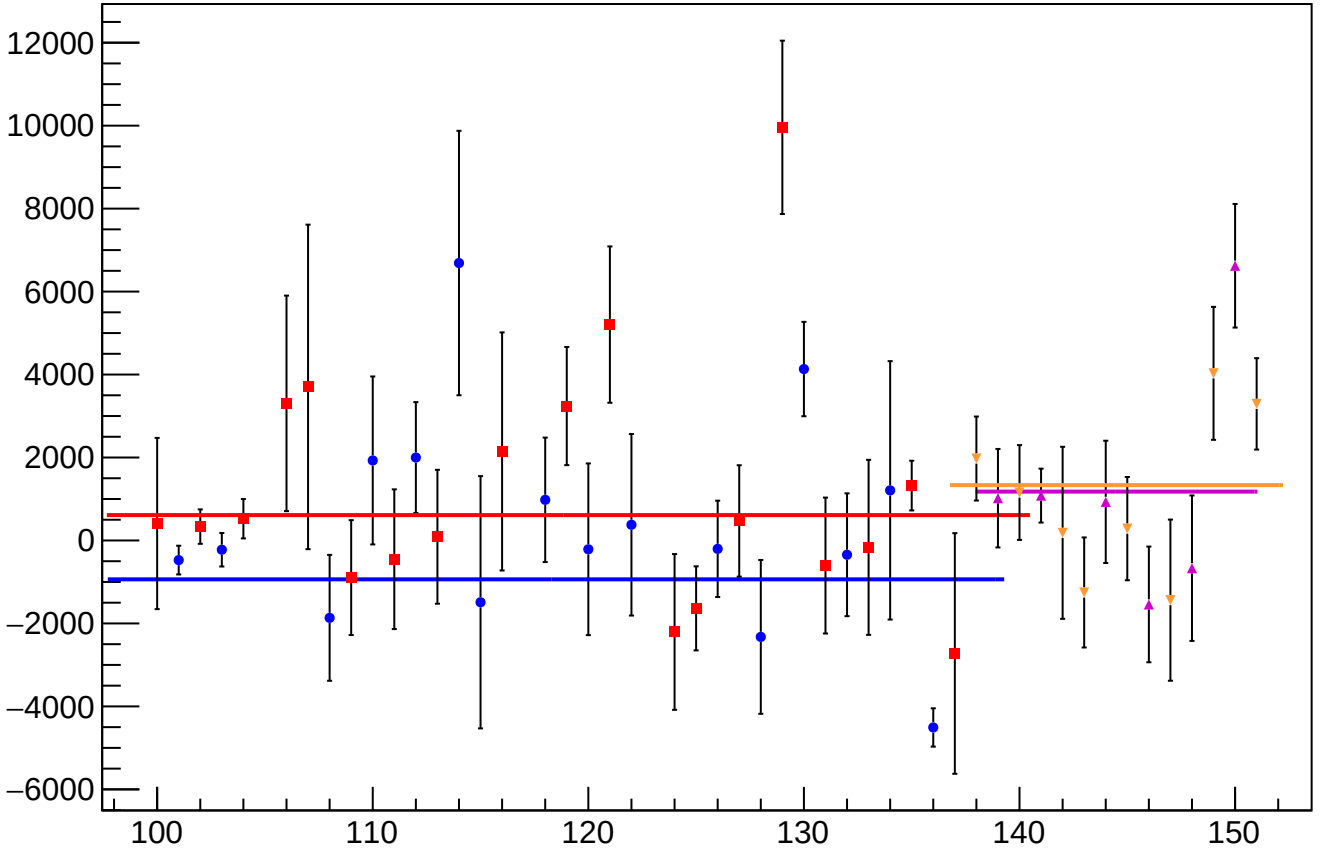
Left In: 312.670+/-0.098 χ^2/NDF:243855.4/5

+ sign 315.423+/-0.063 χ^2/NDF: 904028.8/23

All: 310.693+/-0.044 χ^2/NDF: 1686724.0/48

- sign 306.047+/-0.062 χ^2/NDF: 771350.8/24

asym_bpm0l03WS_mean vs Slug



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 1334.766+/-462.940 χ^2/NDF:13.3/7

Right Out: 611.668+/-233.144 χ^2/NDF: 44.1/18

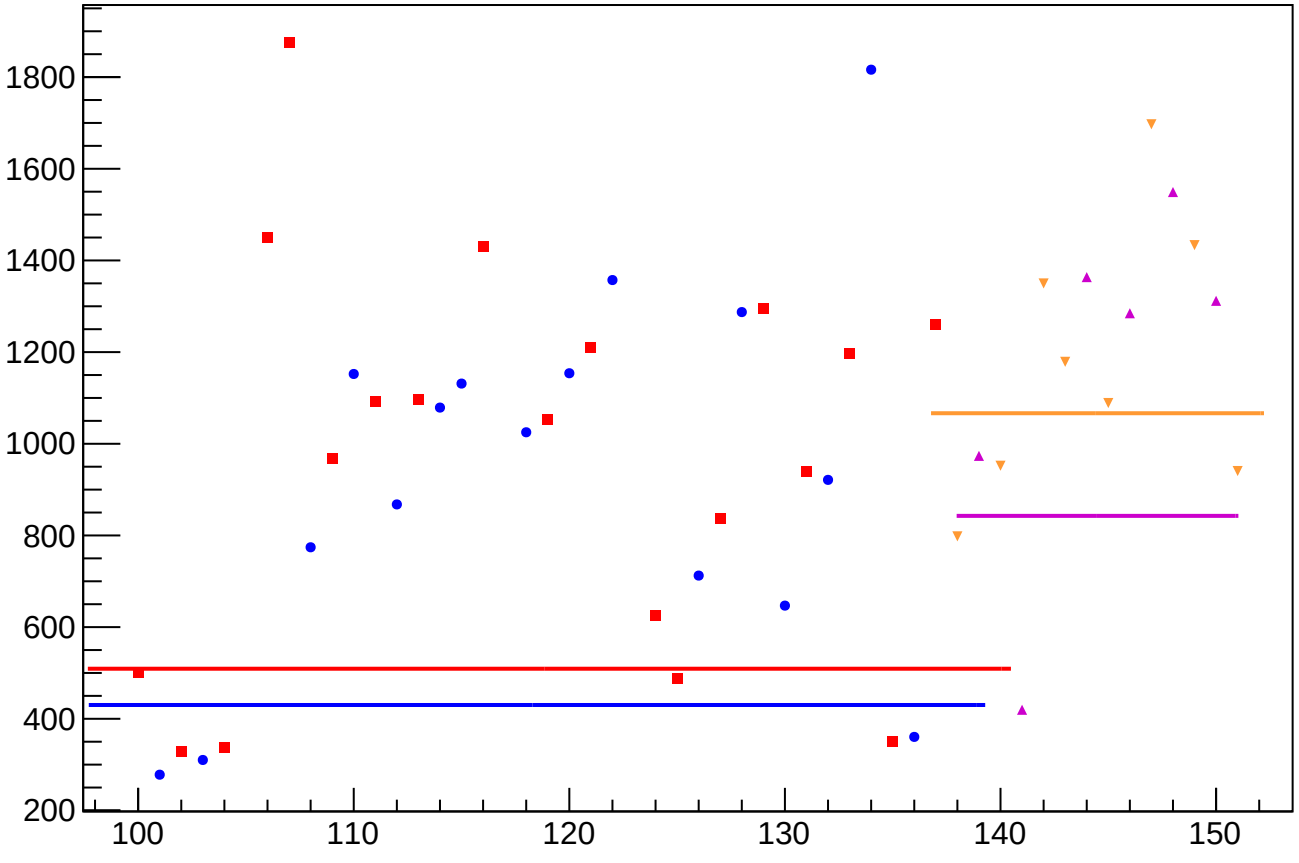
Left In: 1178.056+/-455.176 χ^2/NDF:18.3/5

+ sign -565.377+/-187.227 χ^2/NDF: 134.6/23

All: 15.657+/-139.008 χ^2/NDF: 219.8/48

- sign 729.381+/-207.508 χ^2/NDF: 63.7/24

asym_bpm0l03WS_rms vs Slug



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 1066.653+/-0.327 χ^2/NDF:554694.7/7

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

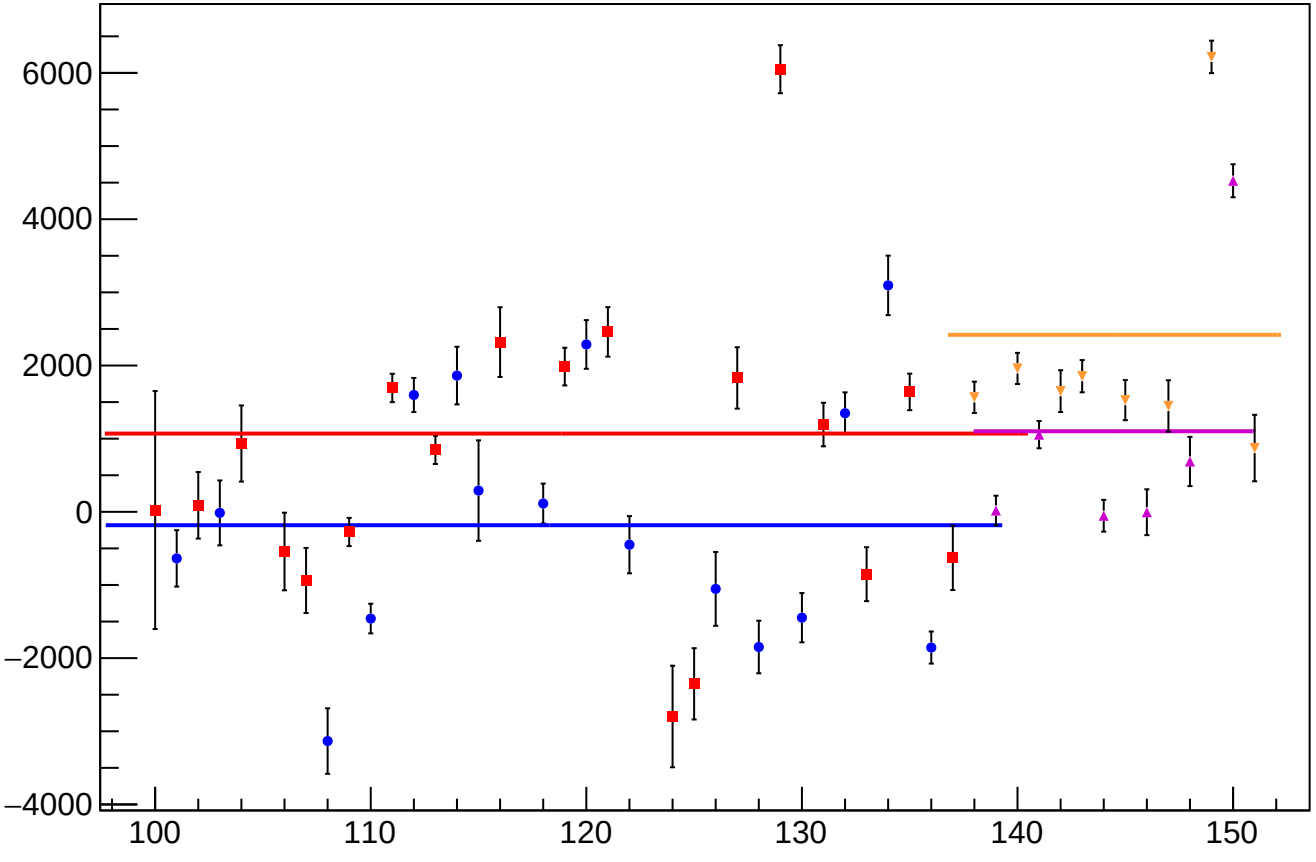
Left In: 842.736+/-0.322 χ^2/NDF:1845160.8/5

+ sign 534.226+/-0.132 χ^2/NDF: 7239327.0/23

All: 554.116+/-0.098 χ^2/NDF: 13658725.6/48

- sign 578.547+/-0.147 χ^2/NDF: 6369103.0/24

asym_bpm0l04WS_mean vs Slug



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 2419.606+/-90.058 χ^2/NDF:357.3/7

Right Out: 1069.729+/-73.060 χ^2/NDF: 492.3/18

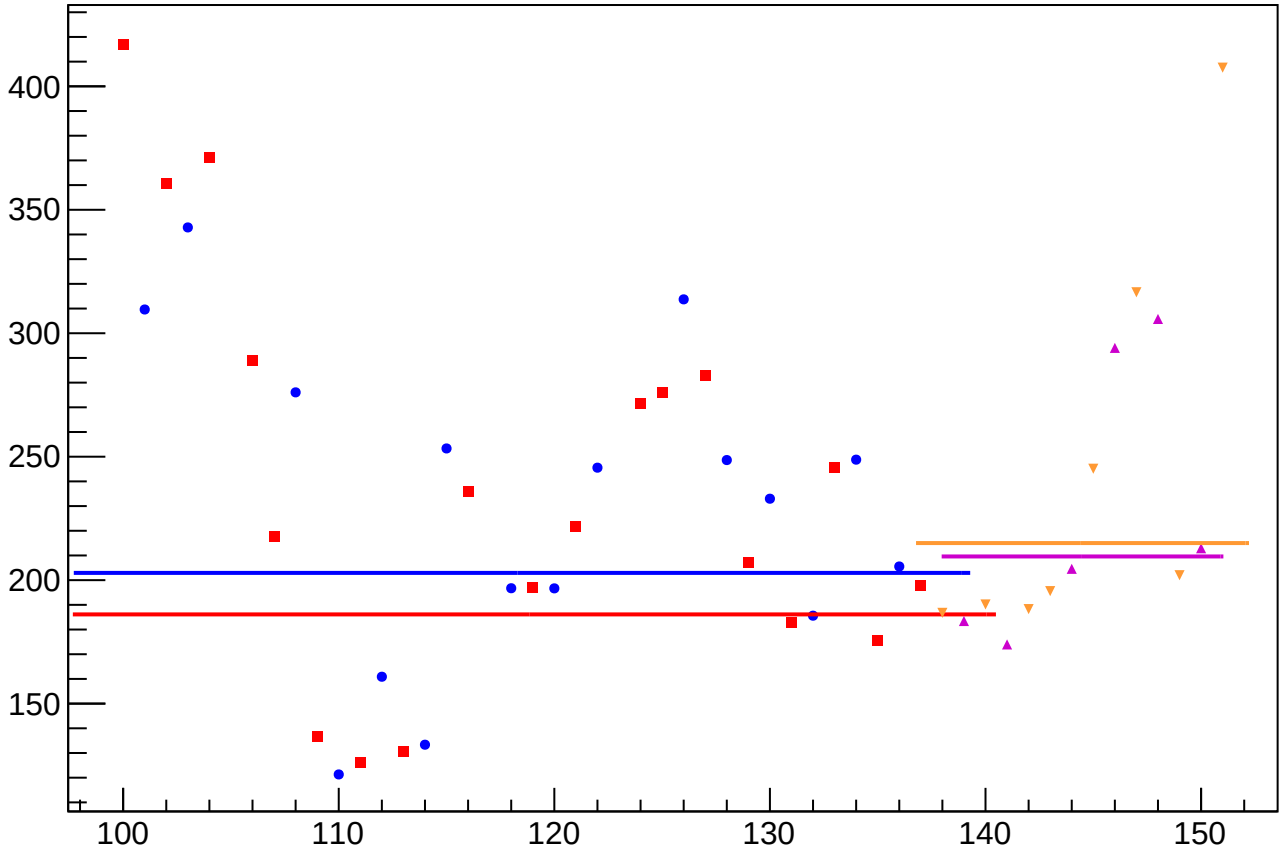
Left In: 1101.521+/-93.967 χ^2/NDF:301.4/5

\+ sign 962.706+/-59.752 χ^2/NDF: 1242.5/23

All: 1024.308+/-41.498 χ^2/NDF: 2038.3/48

\- sign 1081.707+/-57.678 χ^2/NDF: 793.7/24

asym_bpm0l04WS_rms vs Slug



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 215.022+/-0.064 χ^2/NDF:652938.2/7

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

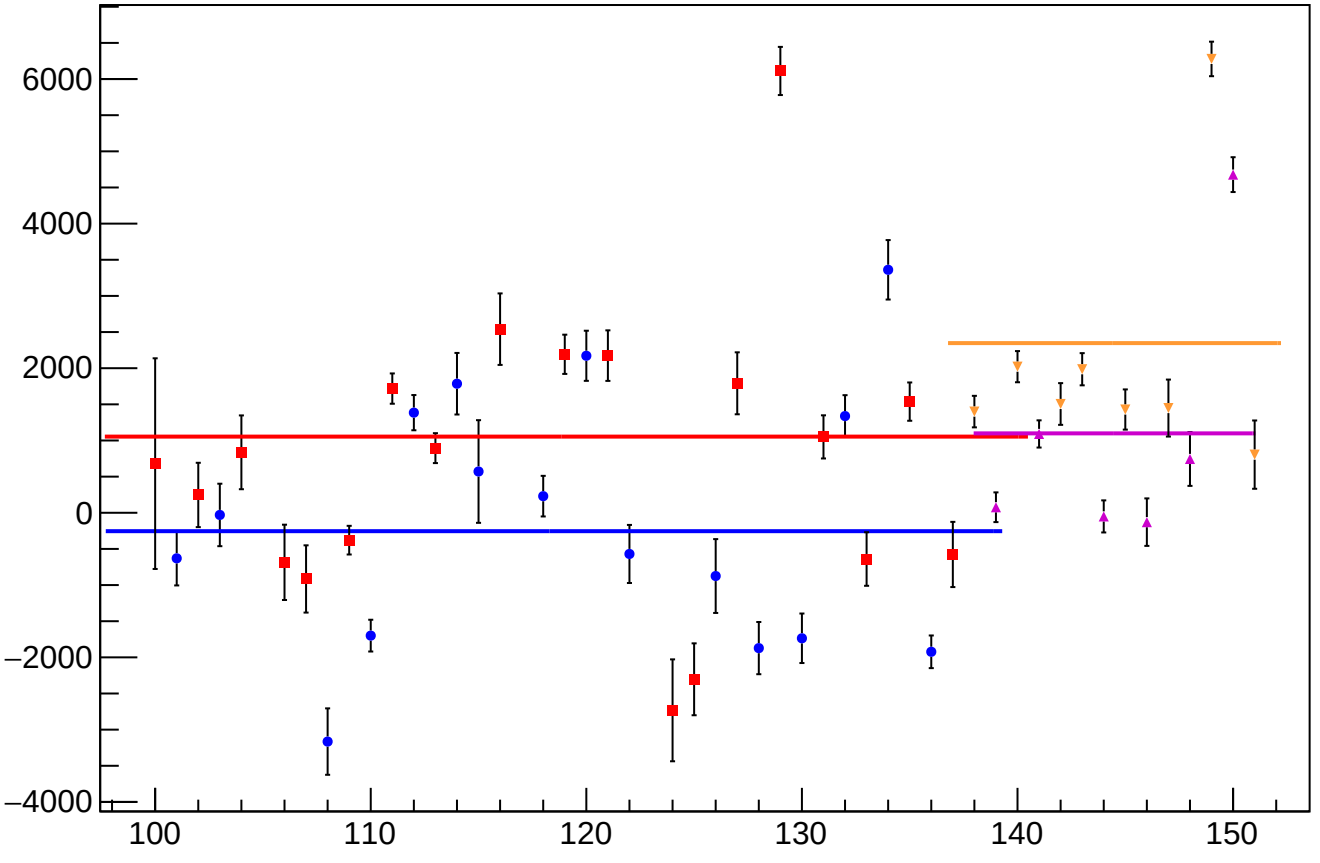
Left In: 209.599+/-0.066 χ^2/NDF:417200.8/5

+ sign 208.259+/-0.042 χ^2/NDF: 1744942.8/23

All: 201.381+/-0.029 χ^2/NDF: 3772769.6/48

- sign 194.972+/-0.041 χ^2/NDF: 1976627.5/24

asym_bpm0l05WS_mean vs Slug



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 2347.257+/-92.806 χ^2/NDF:330.0/7

Right Out: 1053.731+/-75.969 χ^2/NDF: 477.7/18

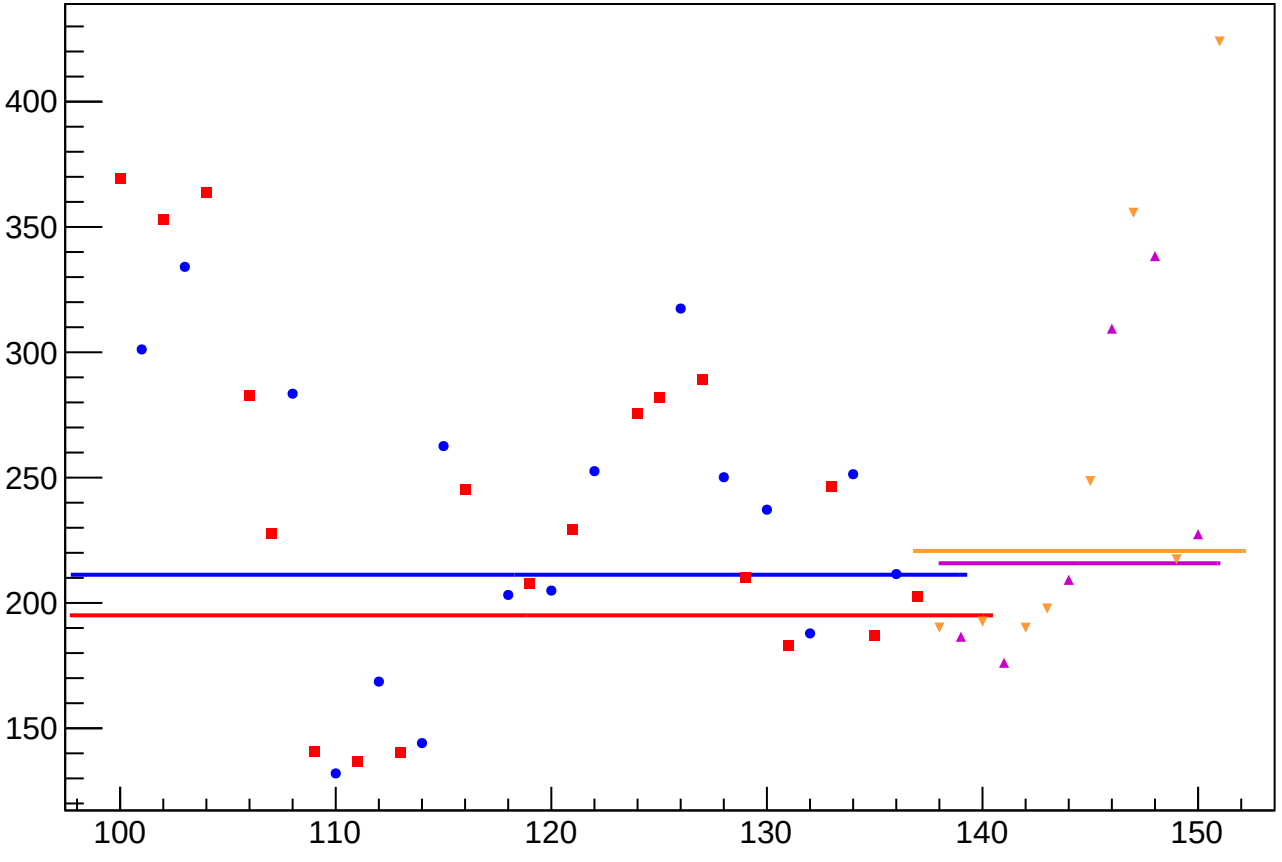
Left In: 1098.519+/-97.174 χ^2/NDF:287.1/5

+ sign 893.807+/-61.655 χ^2/NDF: 1178.4/23

All: 984.891+/-42.944 χ^2/NDF: 1947.5/48

- sign 1070.721+/-59.850 χ^2/NDF: 764.9/24

asym_bpm0l05WS_rms vs Slug



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 220.745+/-0.066 χ^2/NDF:742309.8/7

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

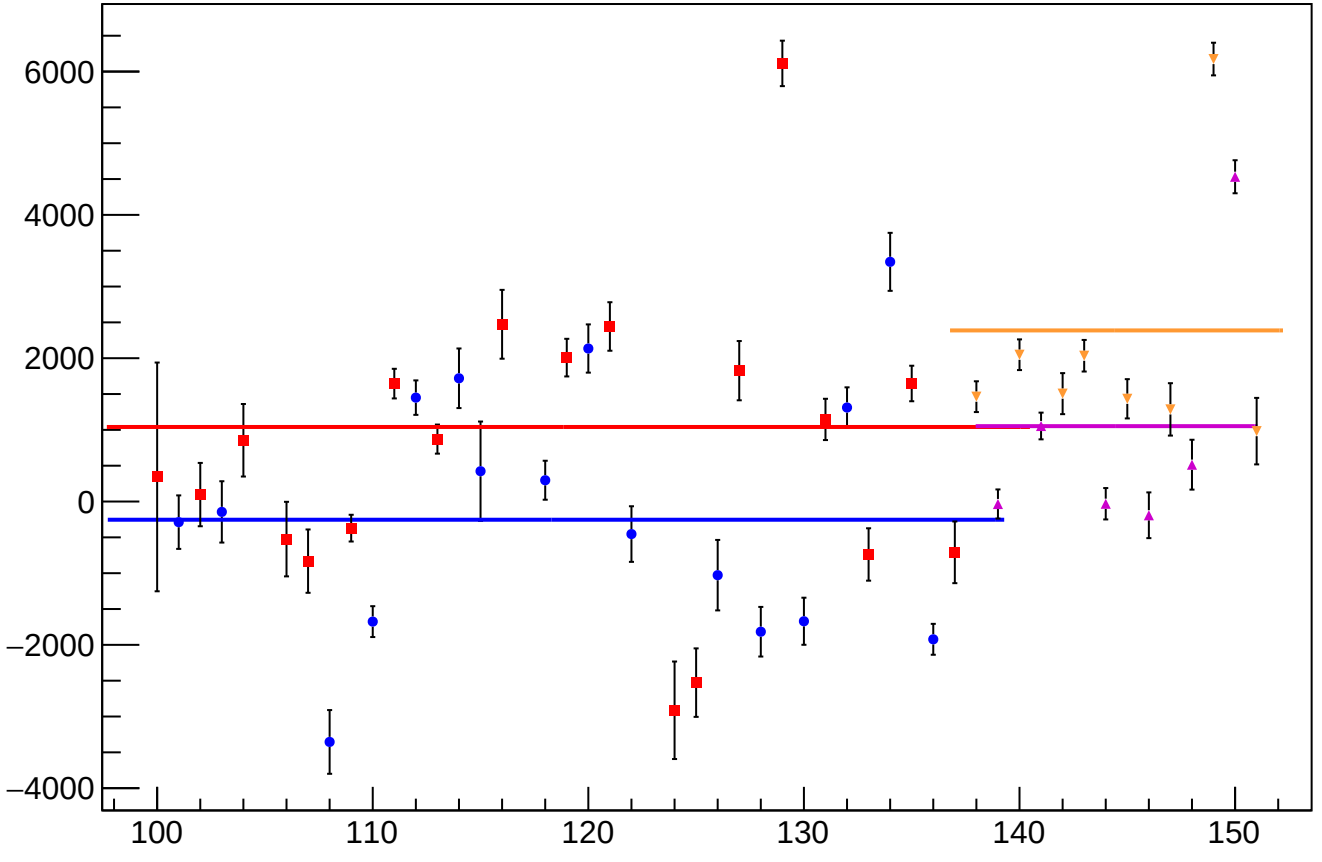
Left In: 215.838+/-0.069 χ^2/NDF:514835.0/5

+ sign 215.443+/-0.044 χ^2/NDF: 1638359.4/23

All: 209.007+/-0.030 χ^2/NDF: 3537146.3/48

- sign 202.943+/-0.042 χ^2/NDF: 1856463.8/24

asym_bpm0l06WS_mean vs Slug



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 2387.679+/-90.926 χ^2/NDF:339.7/7

Right Out: 1040.361+/-73.363 χ^2/NDF: 533.4/18

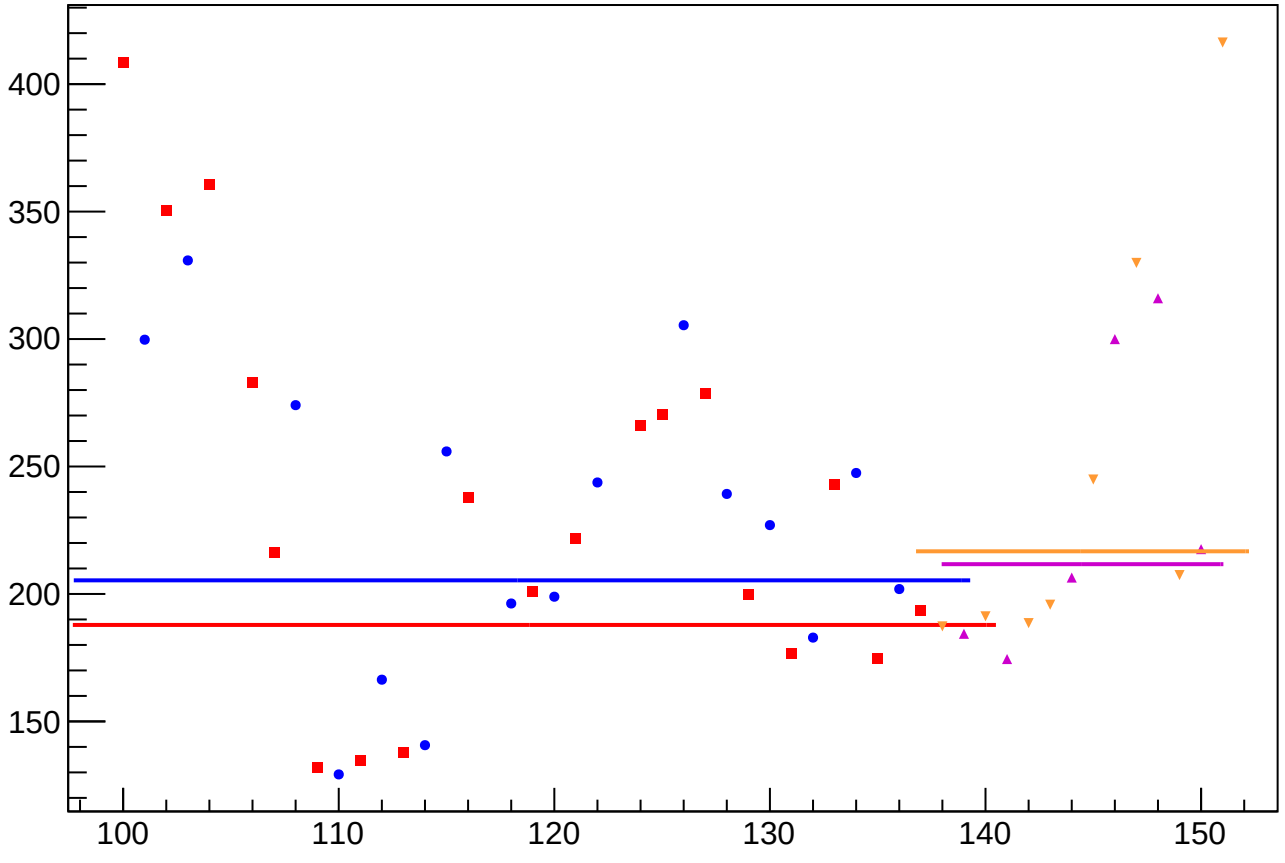
Left In: 1051.971+/-95.042 χ^2/NDF:298.4/5

+ sign 902.244+/-60.156 χ^2/NDF: 1246.4/23

All: 975.978+/-41.781 χ^2/NDF: 2081.1/48

- sign 1044.696+/-58.074 χ^2/NDF: 831.8/24

asym_bpm0l06WS_rms vs Slug



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 216.732+/-0.064 χ^2/NDF:689424.5/7

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

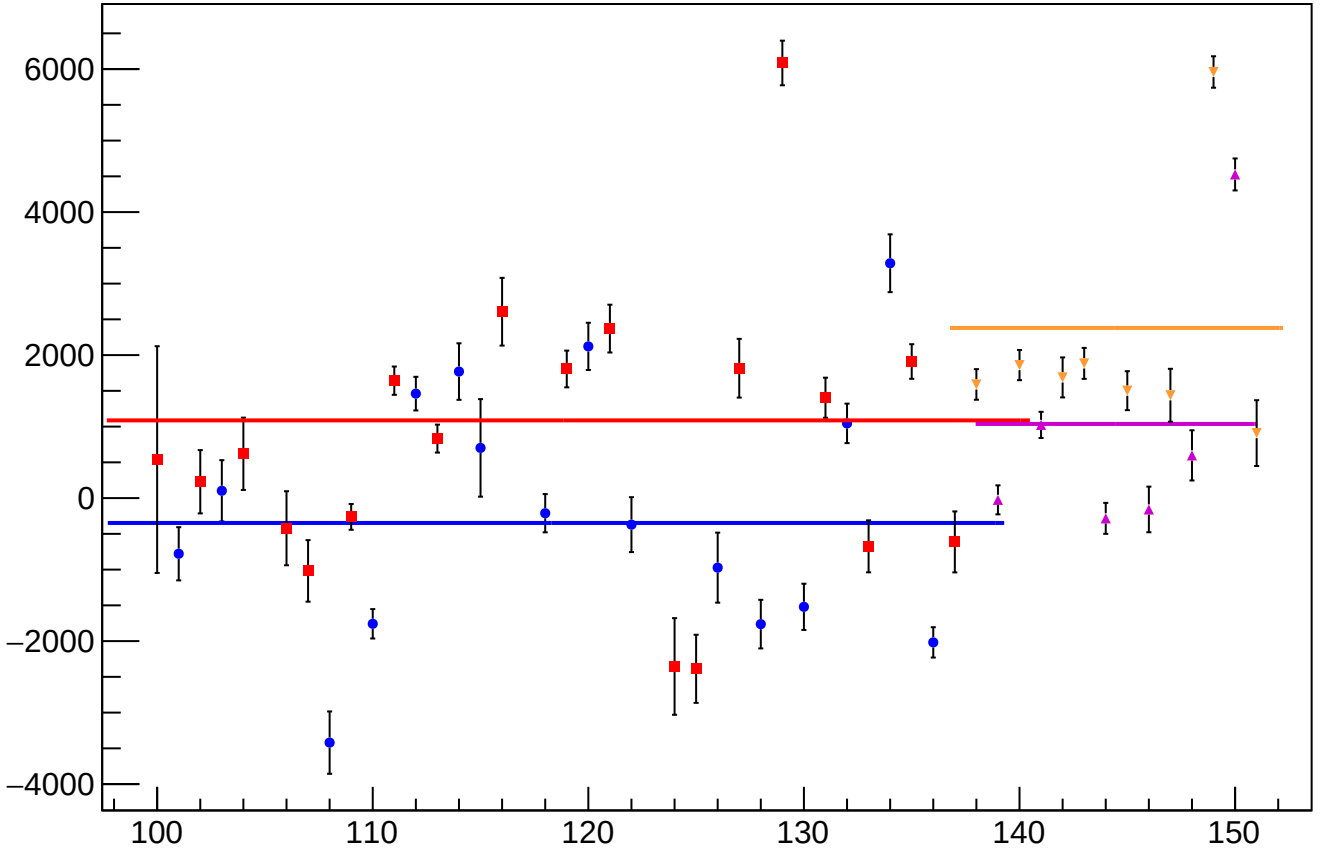
Left In: 211.685+/-0.067 χ^2/NDF:451114.8/5

+ sign 210.327+/-0.043 χ^2/NDF: 1584470.7/23

All: 203.299+/-0.030 χ^2/NDF: 3504214.3/48

- sign 196.748+/-0.041 χ^2/NDF: 1867000.0/24

asym_bpm0l07WS_mean vs Slug



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 2380.057+/-89.592 χ^2/NDF:323.0/7

Right Out: 1086.638+/-71.539 χ^2/NDF: 527.2/18

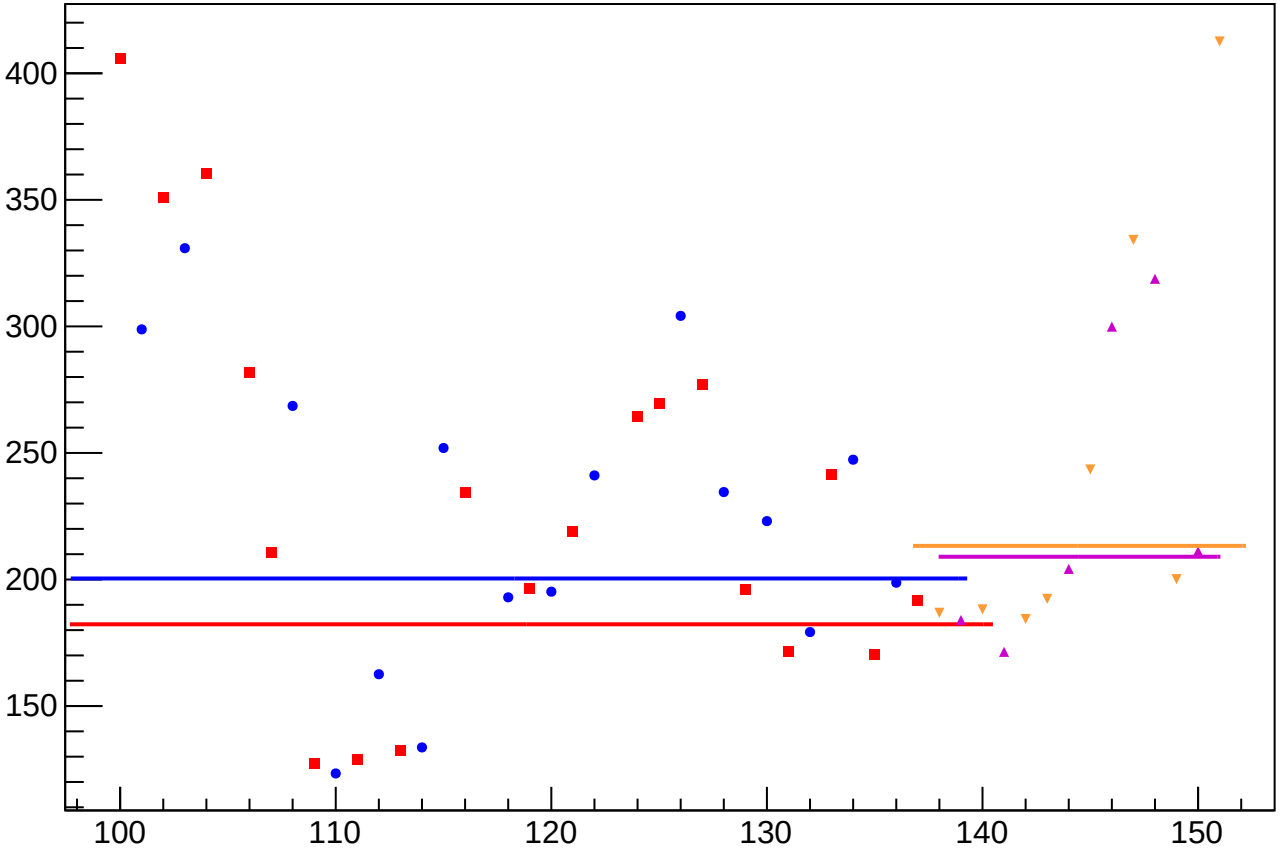
Left In: 1037.141+/-93.943 χ^2/NDF:323.3/5

+ sign 838.122+/-59.071 χ^2/NDF: 1292.8/23

All: 957.576+/-40.986 χ^2/NDF: 2151.3/48

- sign 1068.470+/-56.915 χ^2/NDF: 850.6/24

asym_bpm0l07WS_rms vs Slug



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 213.285+/-0.063 χ^2/NDF:718670.3/7

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

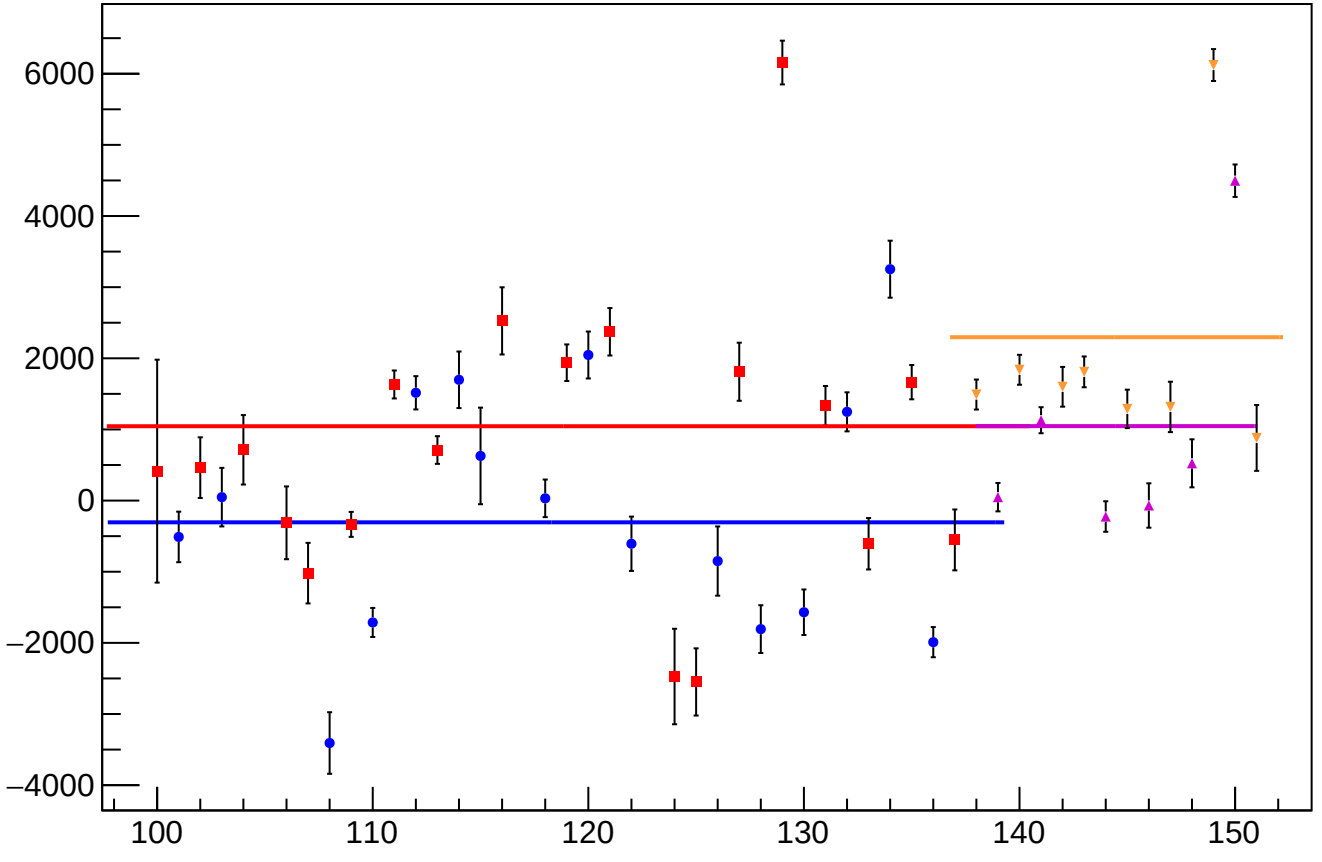
Left In: 208.992+/-0.066 χ^2/NDF:473891.8/5

+ sign 206.001+/-0.042 χ^2/NDF: 1701060.5/23

All: 198.791+/-0.029 χ^2/NDF: 3781782.7/48

- sign 192.098+/-0.040 χ^2/NDF: 2023274.5/24

asym_bpm0l08WS_mean vs Slug



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 2296.636+/-89.276 χ^2/NDF:352.5/7

Right Out: 1045.144+/-70.824 χ^2/NDF: 552.2/18

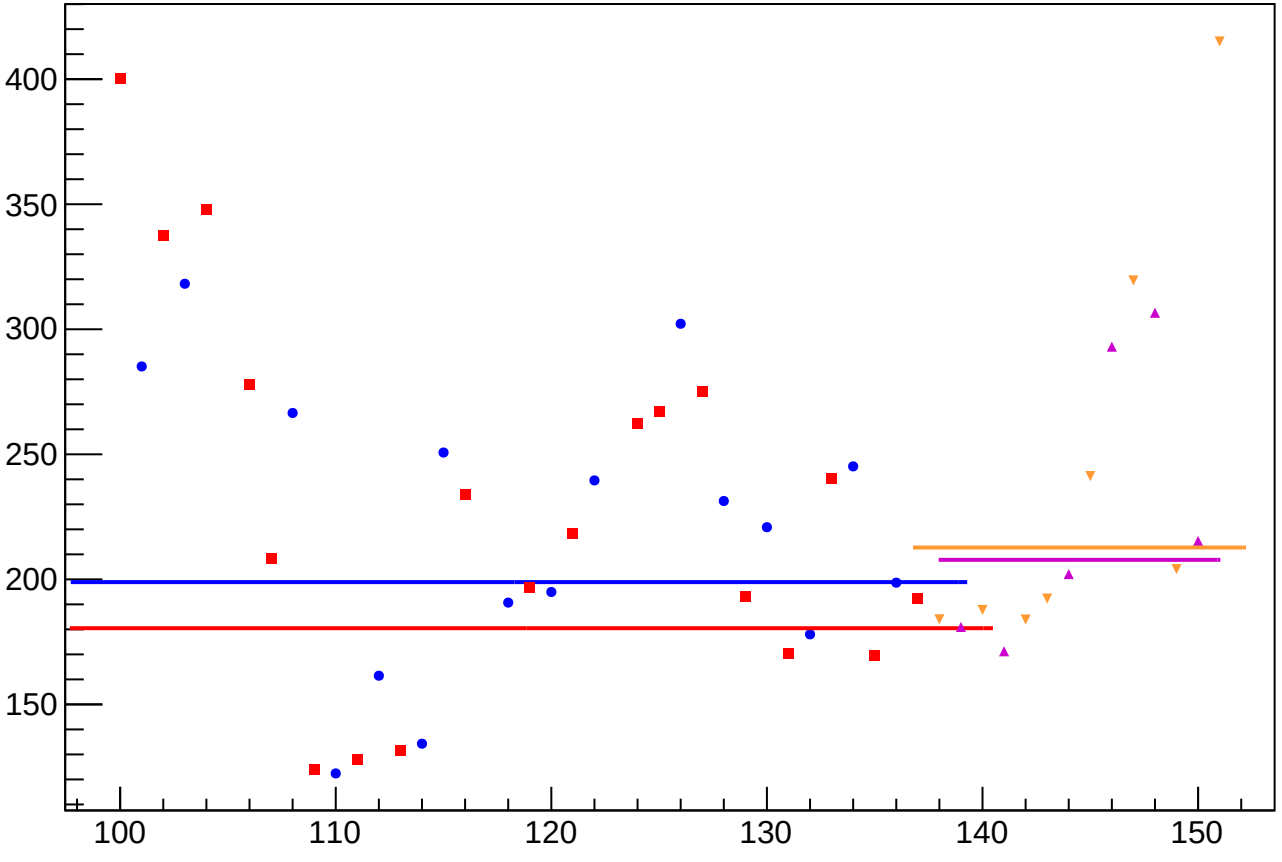
Left In: 1046.716+/-93.285 χ^2/NDF:304.1/5

\+ sign 818.707+/-58.683 χ^2/NDF: 1286.9/23

All: 936.697+/-40.667 χ^2/NDF: 2150.9/48

\- sign 1045.719+/-56.408 χ^2/NDF: 856.2/24

asym_bpm0l08WS_rms vs Slug



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 212.739+/-0.063 χ^2/NDF:693561.3/7

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

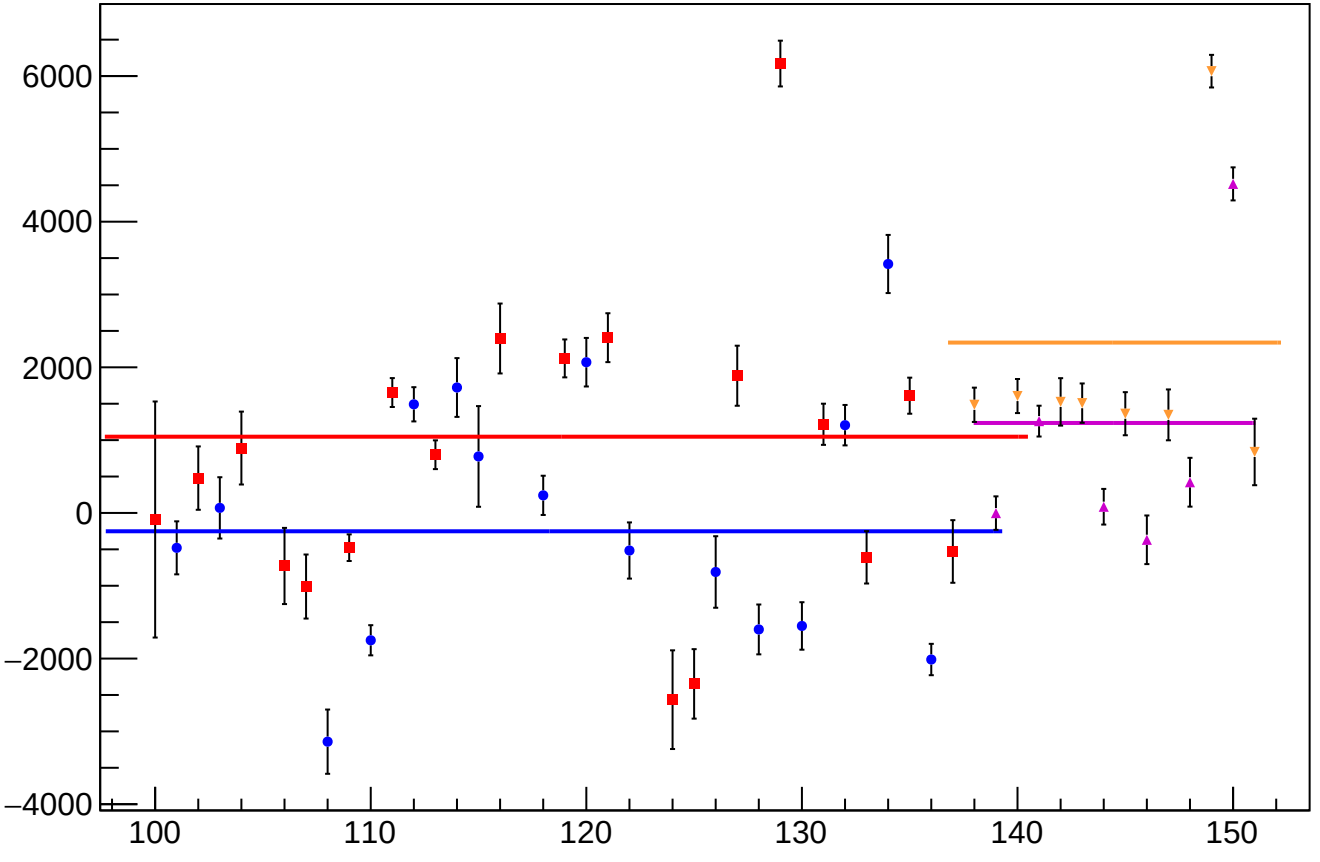
Left In: 207.811+/-0.066 χ^2/NDF:440082.5/5

+ sign 204.881+/-0.041 χ^2/NDF: 1633612.1/23

All: 197.390+/-0.029 χ^2/NDF: 3679793.4/48

- sign 190.469+/-0.040 χ^2/NDF: 1983481.7/24

asym_bpm0l09WS_mean vs Slug



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 2339.836+/-98.175 χ^2/NDF:345.7/7

Right Out: 1047.132+/-72.190 χ^2/NDF: 546.7/18

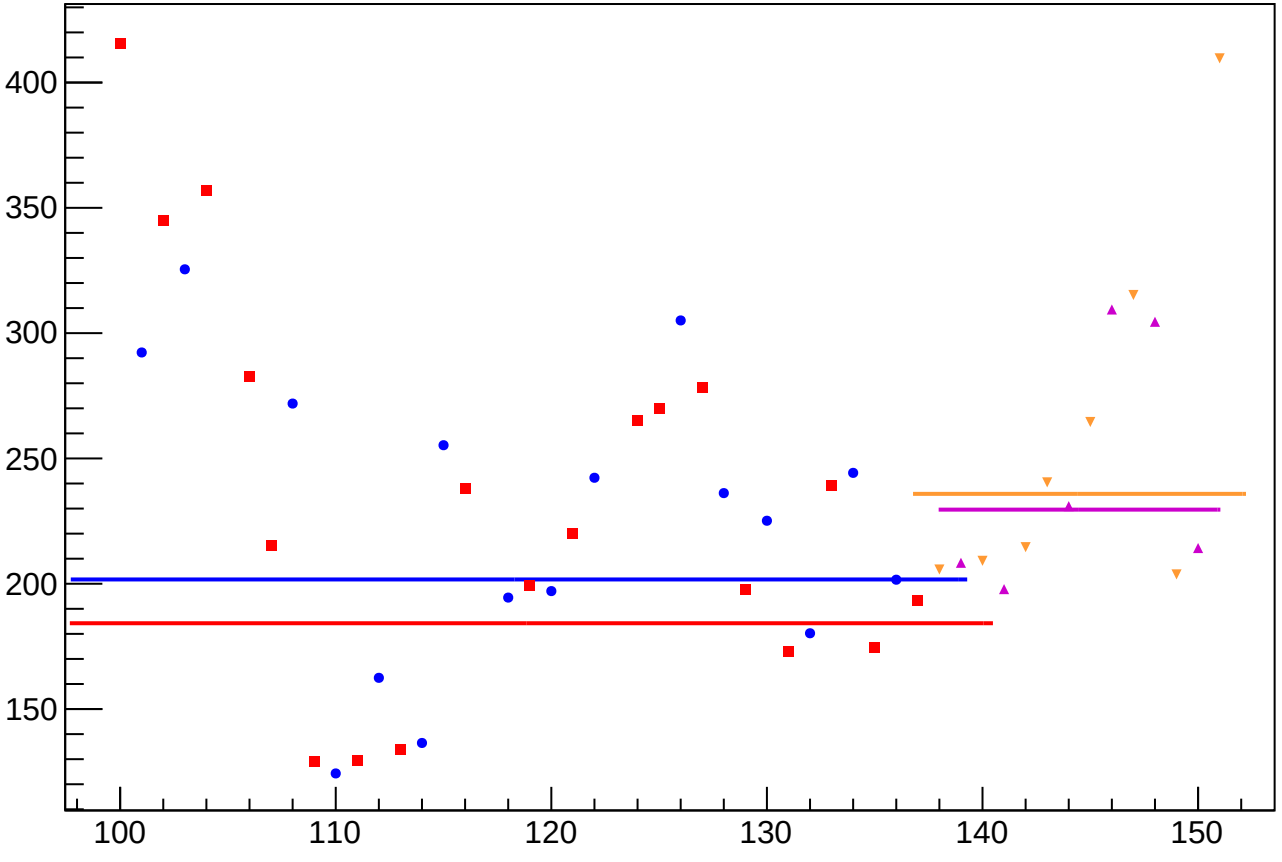
Left In: 1235.719+/-102.493 χ^2/NDF:289.2/5

+ sign 766.380+/-61.535 χ^2/NDF: 1210.0/23

All: 945.184+/-42.595 χ^2/NDF: 2064.4/48

- sign 1109.667+/-59.020 χ^2/NDF: 838.2/24

asym_bpm0l09WS_rms vs Slug



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 235.870+/-0.069 χ^2/NDF:520801.1/7

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

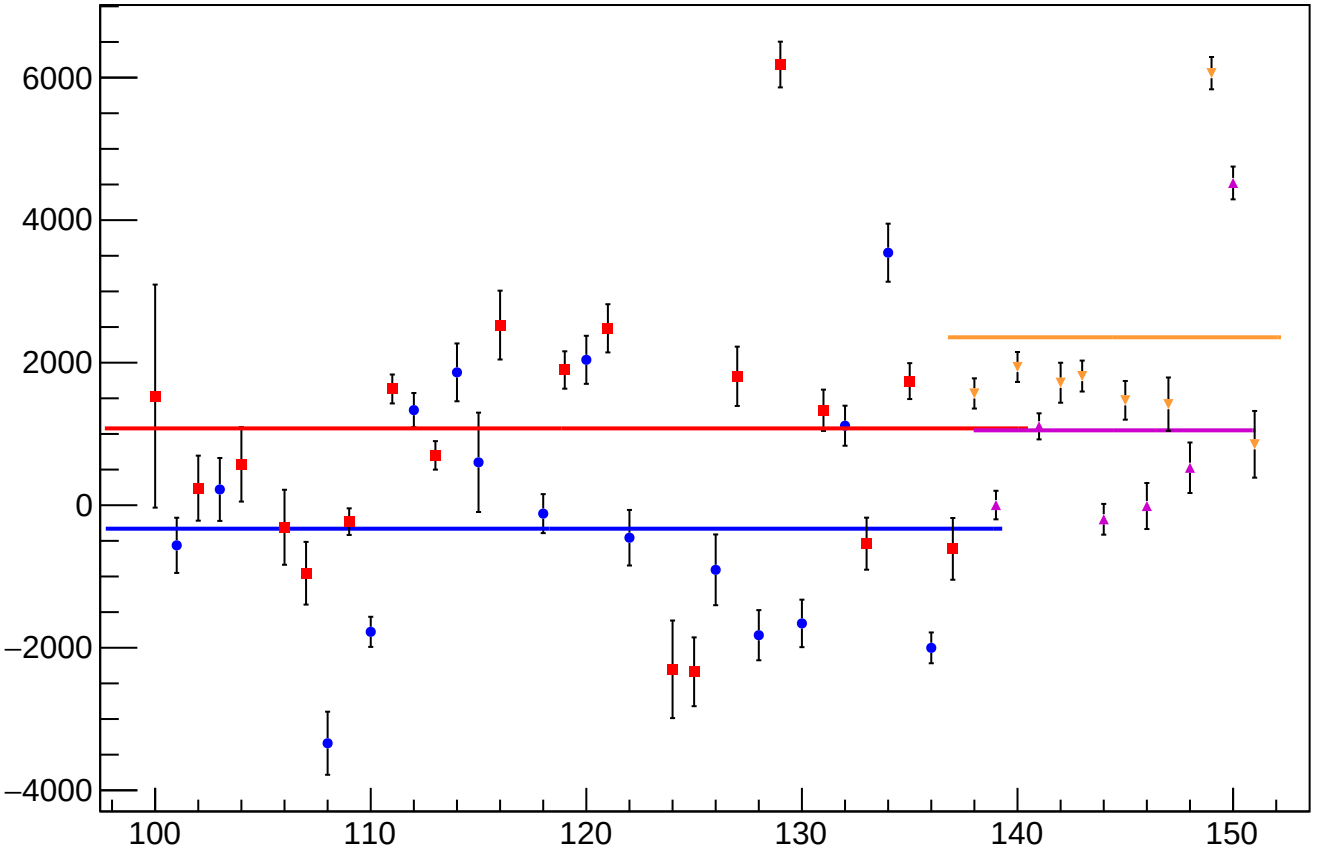
Left In: 229.577+/-0.072 χ^2/NDF:285530.0/5

+ sign 215.133+/-0.044 χ^2/NDF: 1591990.0/23

All: 206.874+/-0.030 χ^2/NDF: 3611980.5/48

- sign 199.276+/-0.042 χ^2/NDF: 1950822.2/24

asym_bpm0l10WS_mean vs Slug



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 2356.252+/-89.955 χ^2/NDF:323.9/7

Right Out: 1077.876+/-73.404 χ^2/NDF: 502.0/18

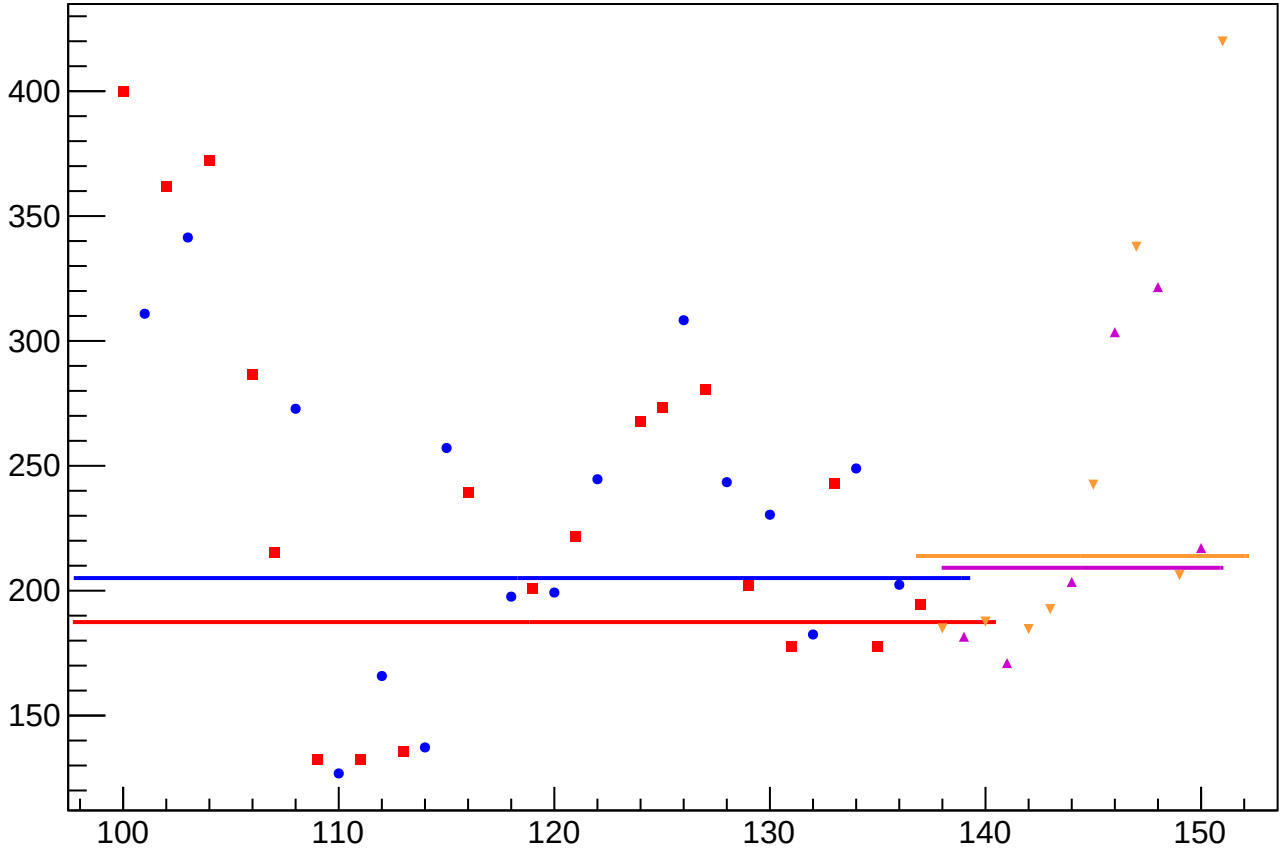
Left In: 1050.687+/-94.176 χ^2/NDF:301.6/5

+ sign 862.732+/-59.932 χ^2/NDF: 1256.0/23

All: 968.707+/-41.640 χ^2/NDF: 2065.7/48

- sign 1067.600+/-57.895 χ^2/NDF: 803.7/24

asym_bpm0l10WS_rms vs Slug



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 213.890+/-0.064 χ^2/NDF:740281.5/7

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

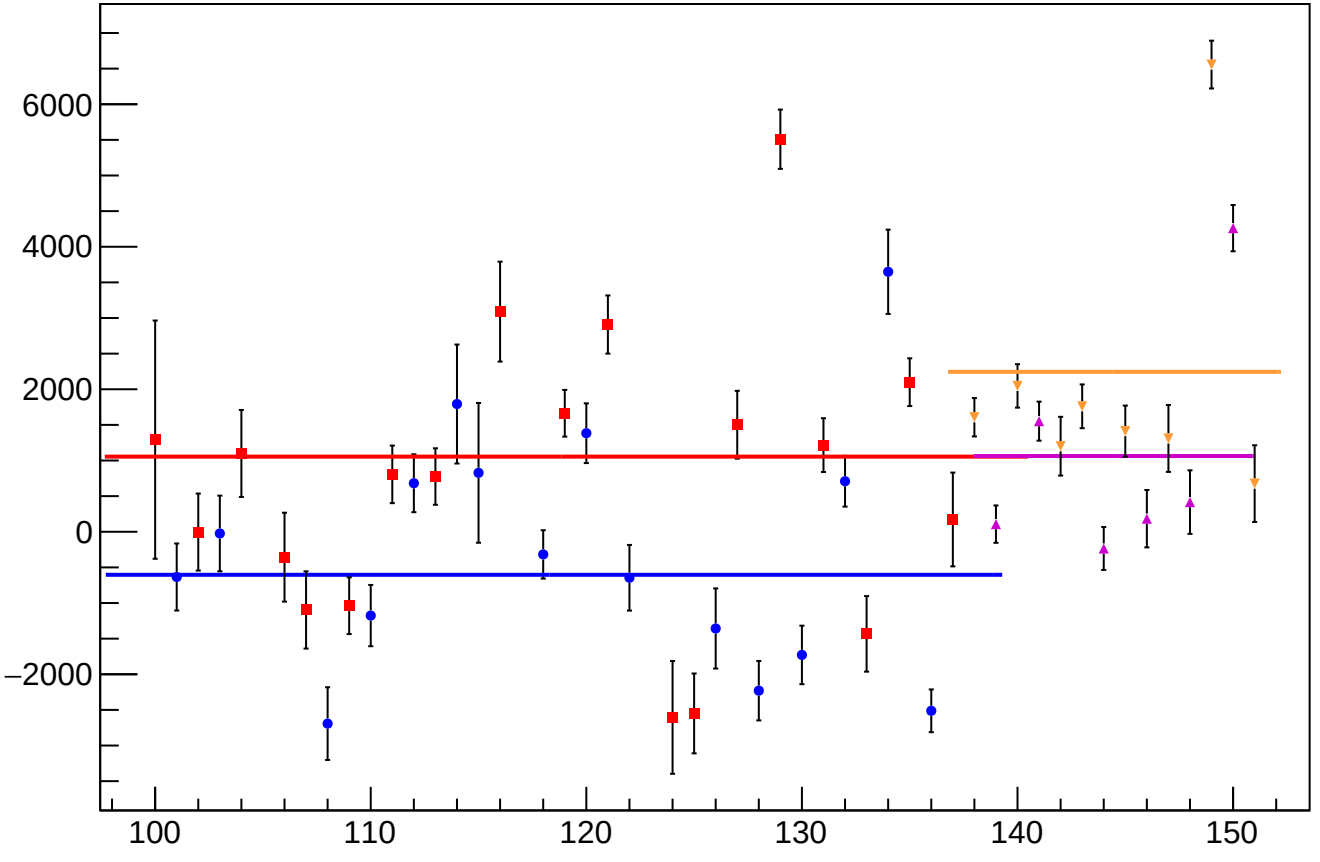
Left In: 209.170+/-0.067 χ^2/NDF:500815.0/5

+ sign 208.976+/-0.042 χ^2/NDF: 1714068.1/23

All: 202.081+/-0.029 χ^2/NDF: 3743147.3/48

- sign 195.647+/-0.041 χ^2/NDF: 1977909.2/24

asym_bpm0r03WS_mean vs Slug



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 2244.987+/-123.385 χ^2/NDF:198.0/7

Right Out: 1054.556+/-108.264 χ^2/NDF: 297.7/18

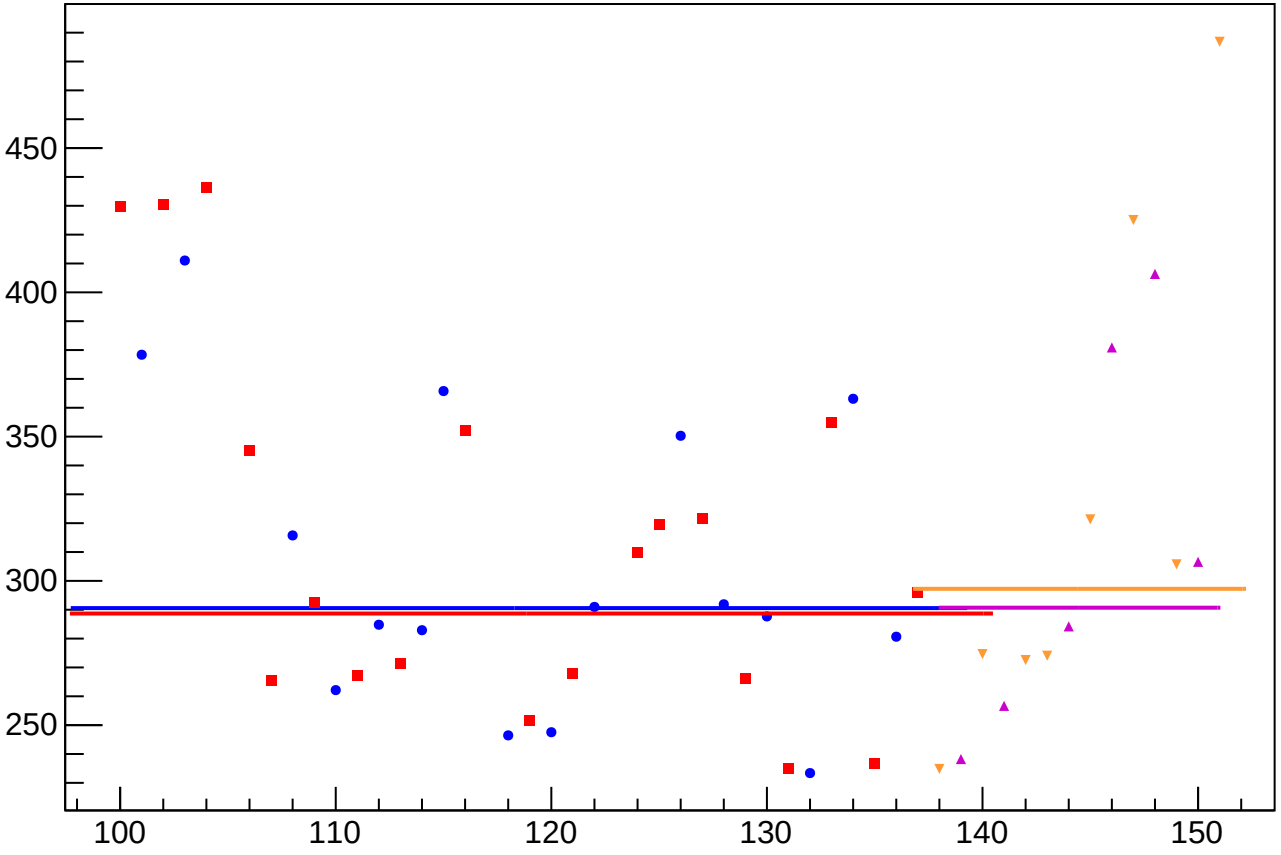
Left In: 1062.826+/-129.530 χ^2/NDF:139.1/5

+ sign 666.547+/-82.395 χ^2/NDF: 686.9/23

All: 860.658+/-58.499 χ^2/NDF: 1134.9/48

- sign 1057.958+/-83.069 χ^2/NDF: 436.7/24

asym_bpm0r03WS_rms vs Slug



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 297.251+/-0.087 χ^2/NDF:543389.3/7

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

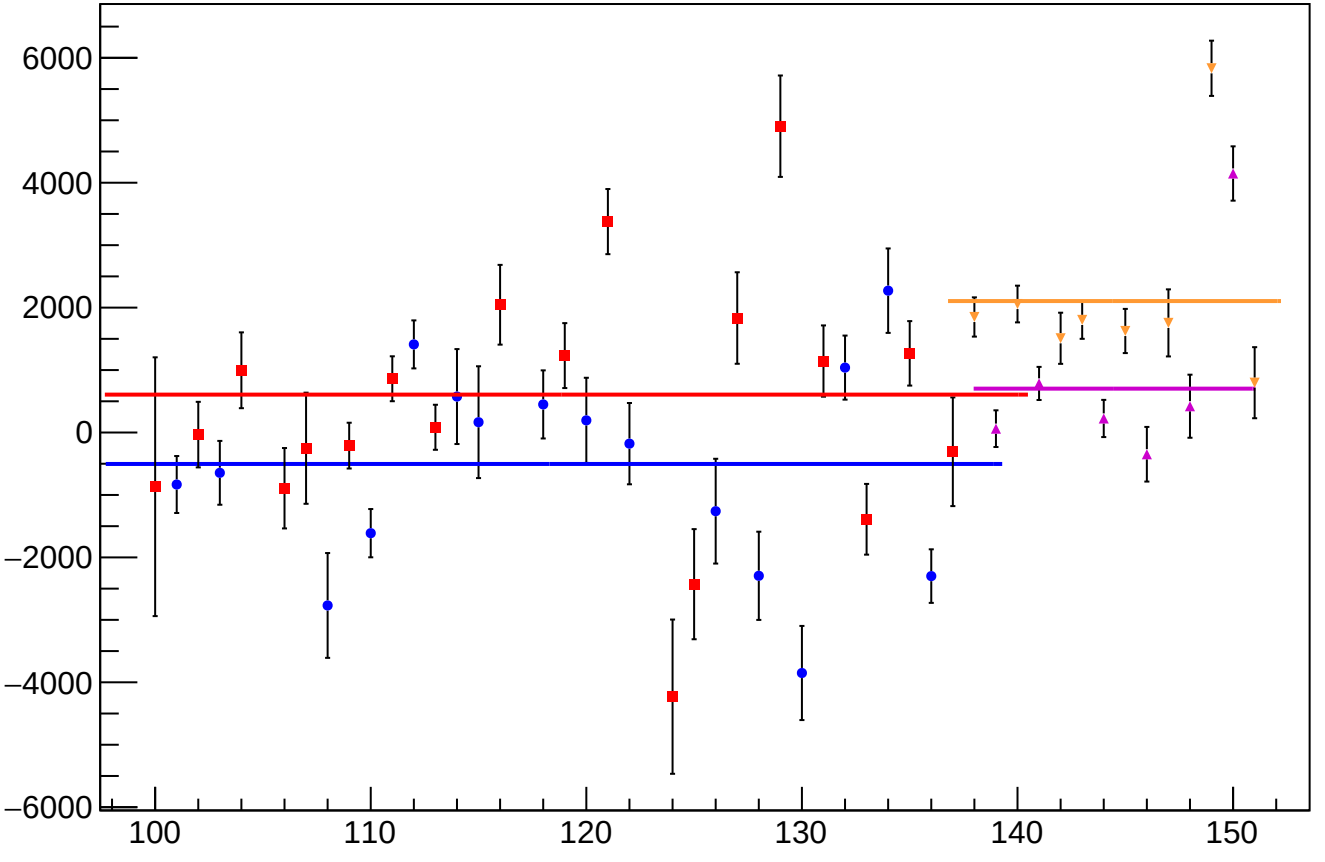
Left In: 290.707+/-0.092 χ^2/NDF:351548.0/5

+ sign 293.547+/-0.058 χ^2/NDF: 906448.6/23

All: 291.548+/-0.041 χ^2/NDF: 1749750.7/48

- sign 289.517+/-0.059 χ^2/NDF: 840929.3/24

asym_bpm0r05WS_mean vs Slug



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 2104.974+/-131.067 χ^2/NDF:82.4/7

Right Out: 606.880+/-129.609 χ^2/NDF: 125.1/18

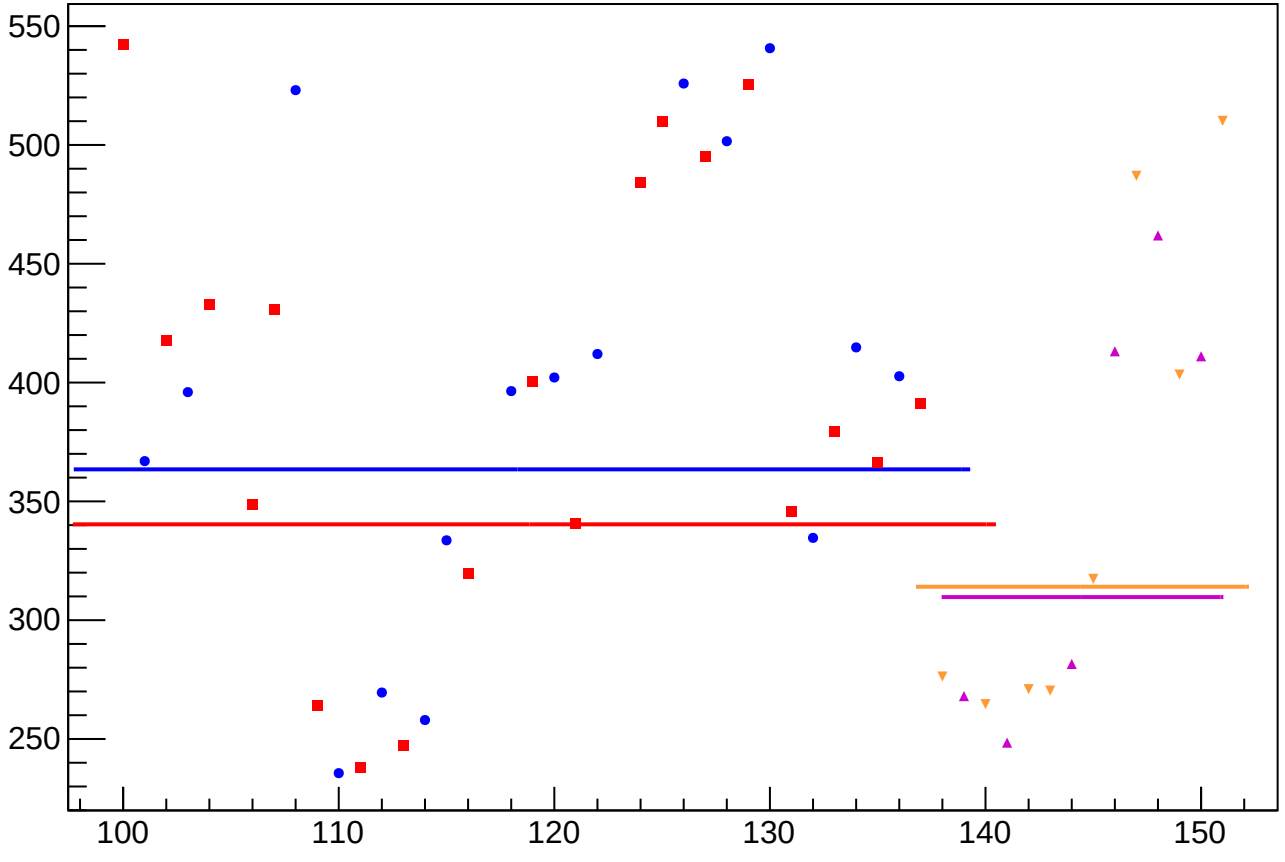
Left In: 702.449+/-139.311 χ^2/NDF:76.2/5

+ sign 887.062+/-95.699 χ^2/NDF: 385.5/23

All: 768.143+/-67.382 χ^2/NDF: 590.2/48

- sign 651.221+/-94.892 χ^2/NDF: 201.6/24

asym_bpm0r05WS_rms vs Slug



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 314.075+/-0.093 χ^2/NDF:675646.0/7

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

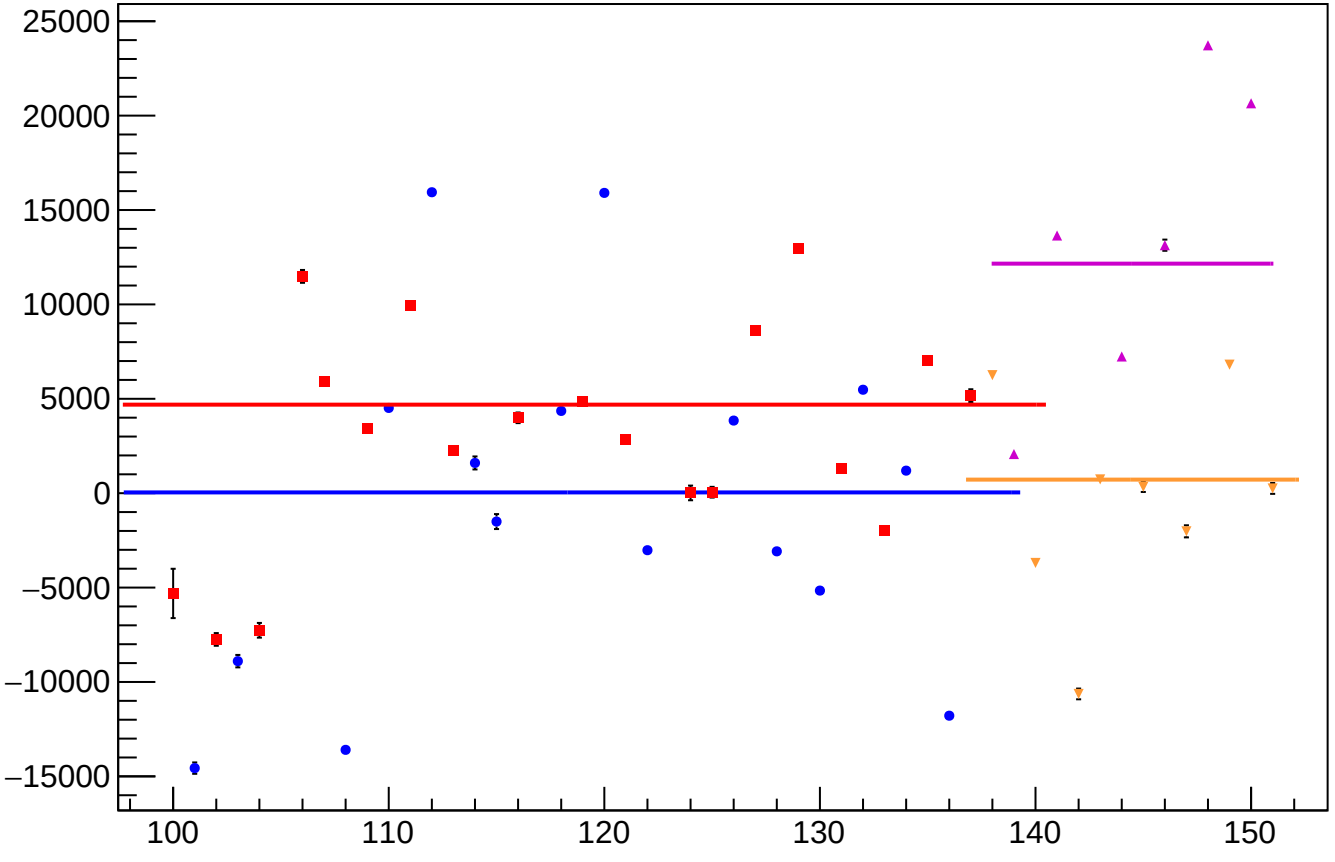
Left In: 309.724+/-0.099 χ^2/NDF:567019.0/5

+ sign 337.137+/-0.068 χ^2/NDF: 1589165.1/23

All: 331.587+/-0.048 χ^2/NDF: 3077506.3/48

- sign 326.131+/-0.067 χ^2/NDF: 1475002.5/24

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: 718.868+/-85.754 χ^2/NDF:3648.3/7

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

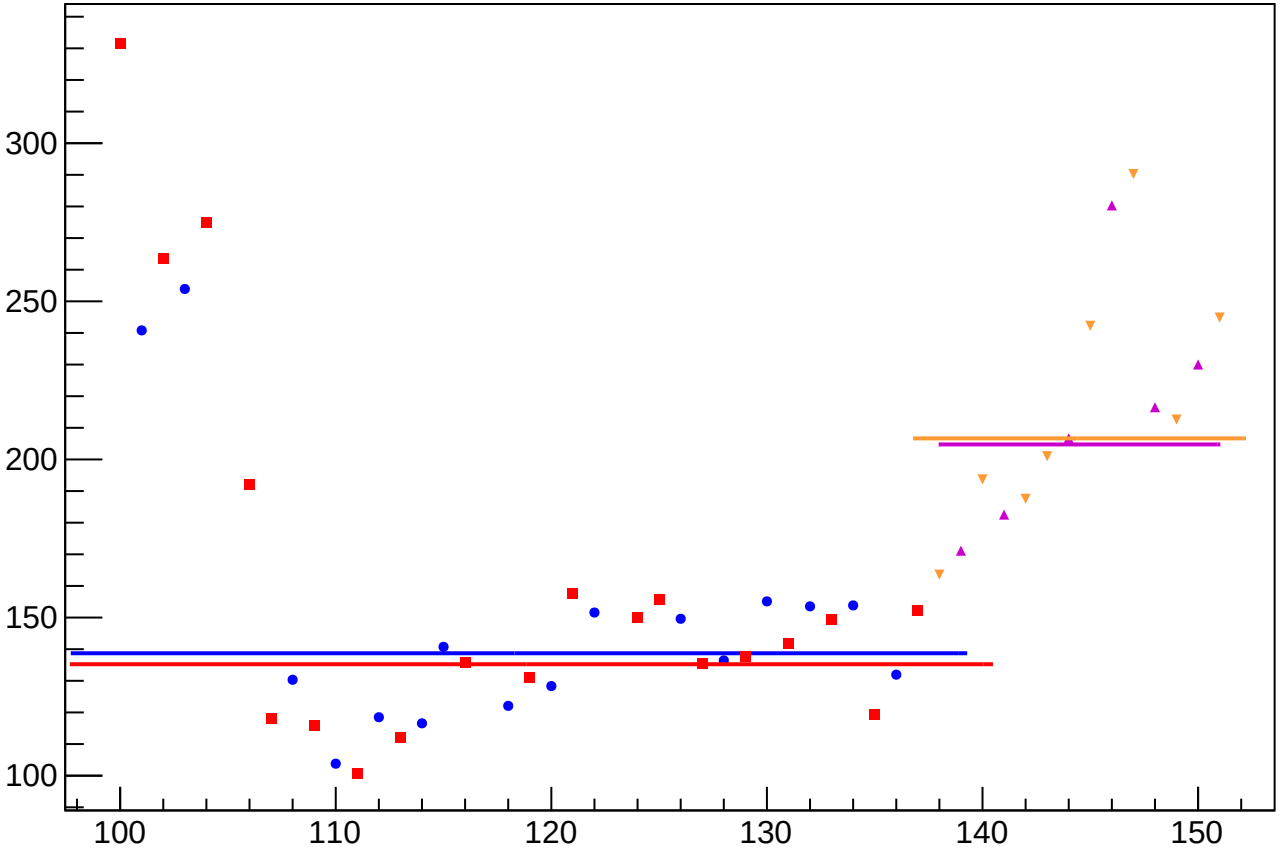
Left In: 12158.886+/-91.352 χ^2/NDF:6847.6/5

+ sign 234.429+/-45.815 χ^2/NDF: 34479.2/23

All: 3417.296+/-32.196 χ^2/NDF: 63702.3/48

- sign 6522.650+/-45.254 χ^2/NDF: 19687.8/24

asym_bpm0i02WS_rms vs Slug



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 206.661+/-0.061 χ^2/NDF:331759.4/7

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

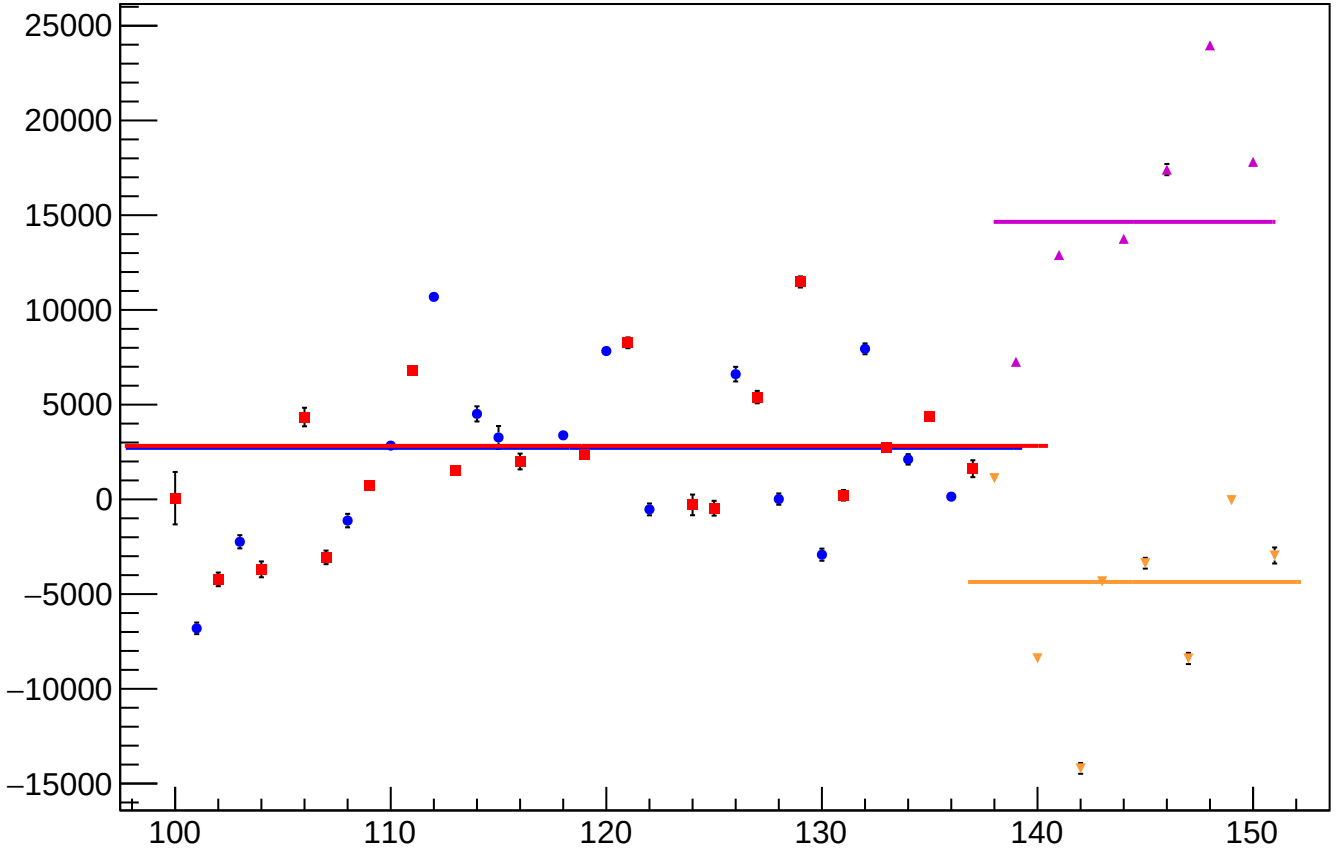
Left In: 204.744+/-0.065 χ^2/NDF:245499.5/5

+ sign 158.107+/-0.032 χ^2/NDF: 1886847.6/23

All: 155.168+/-0.023 χ^2/NDF: 3912144.5/48

- sign 152.300+/-0.032 χ^2/NDF: 2009033.0/24

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -4358.980+/-88.078 χ^2/NDF:2879.0/7

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

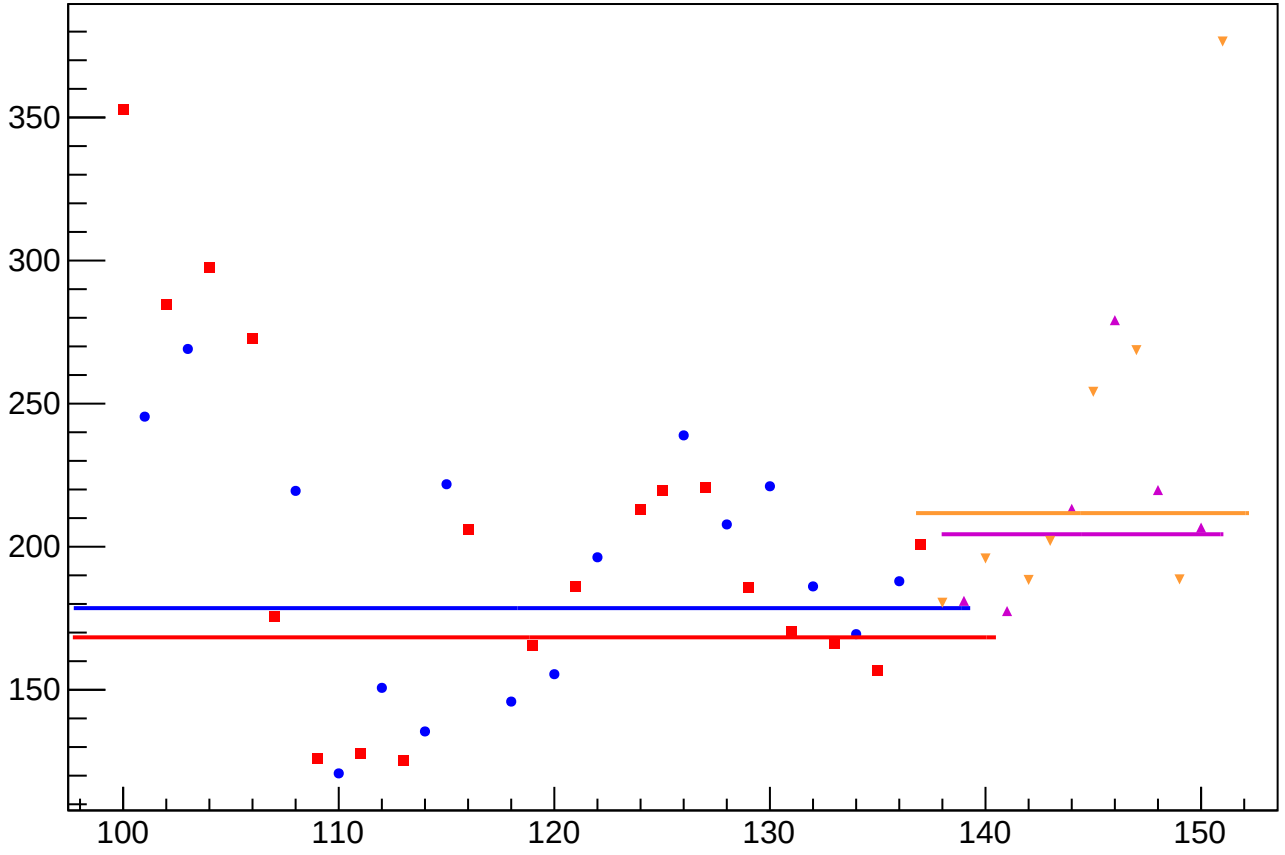
Left In: 14648.323+/-90.769 χ^2/NDF:3209.9/5

+ sign 15.791+/-54.437 χ^2/NDF: 11000.2/23

All: 3523.761+/-37.888 χ^2/NDF: 36562.7/48

- sign 6819.720+/-52.767 χ^2/NDF: 17508.3/24

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 211.743+/-0.062 χ^2/NDF:519493.7/7

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

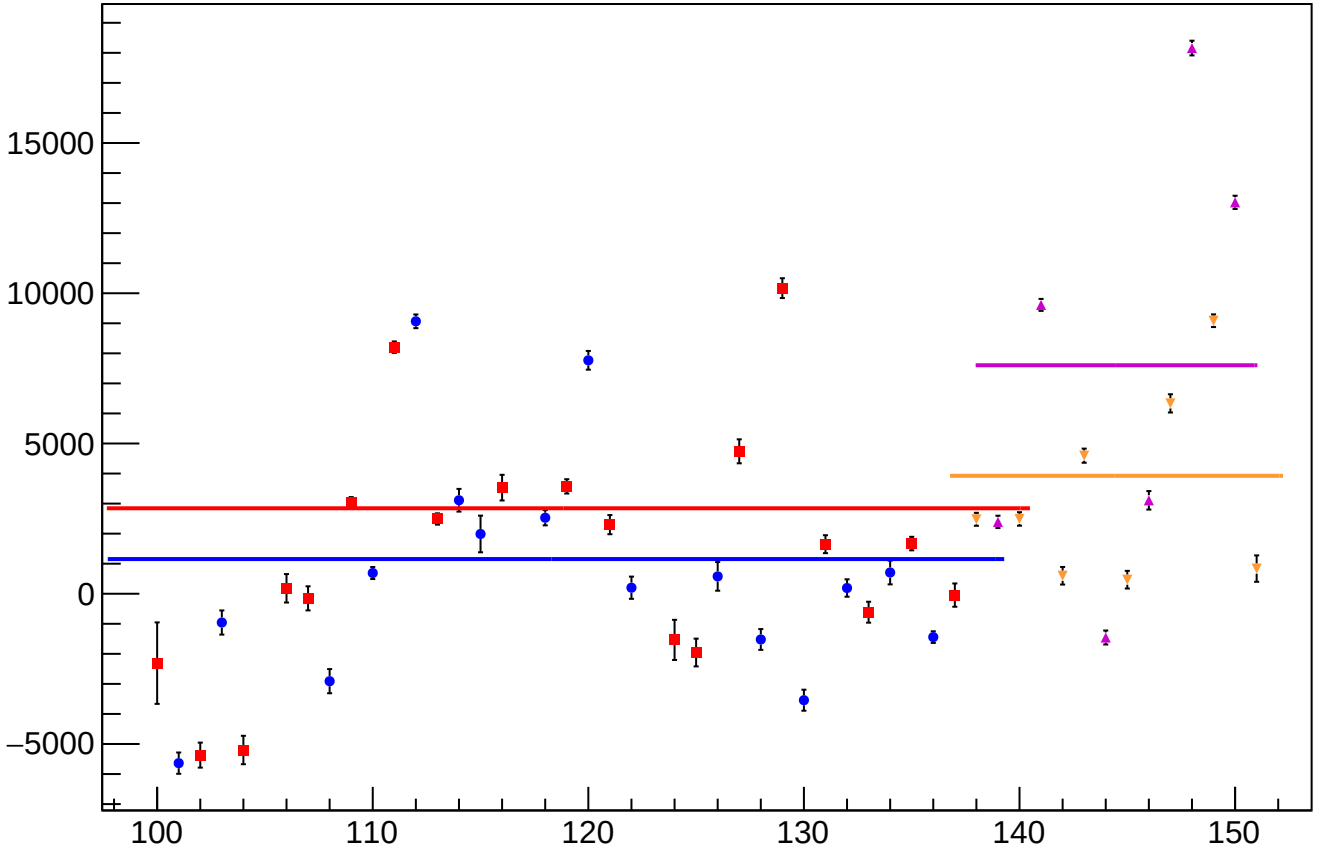
Left In: 204.357+/-0.064 χ^2/NDF:206056.2/5

+ sign 191.224+/-0.038 χ^2/NDF: 1369702.4/23

All: 185.699+/-0.027 χ^2/NDF: 2803749.9/48

- sign 180.508+/-0.037 χ^2/NDF: 1394090.1/24

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 3924.430+/-90.916 χ^2/NDF:1071.7/7

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

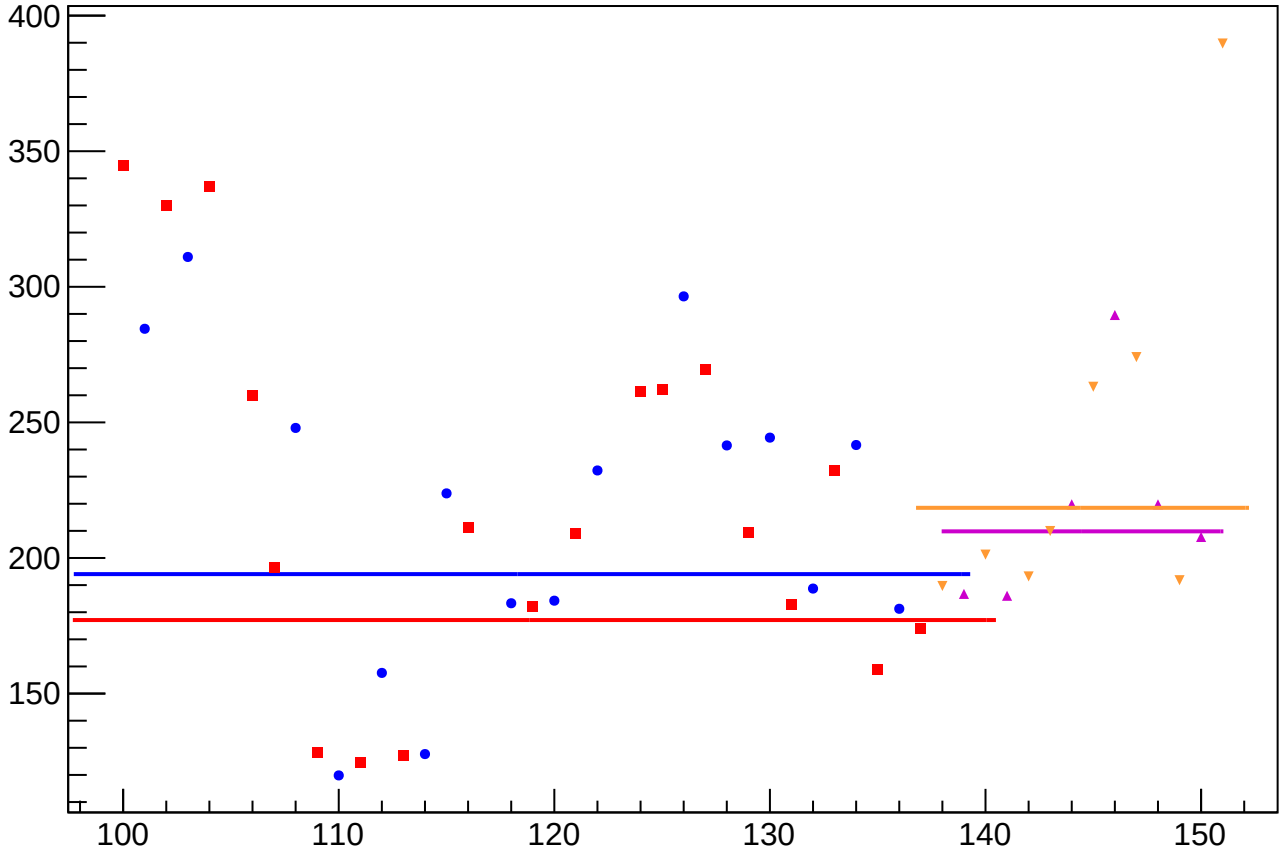
Left In: 7603.653+/-93.178 χ^2/NDF:4927.1/5

\+ sign 2292.734+/-58.291 χ^2/NDF: 4274.0/23

All: 3467.816+/-40.204 χ^2/NDF: 14112.2/48

\- sign 4533.980+/-55.523 χ^2/NDF: 9063.1/24

asym_bpm0i05WS_rms vs Slug



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 218.502+/-0.064 χ^2/NDF:513736.4/7

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

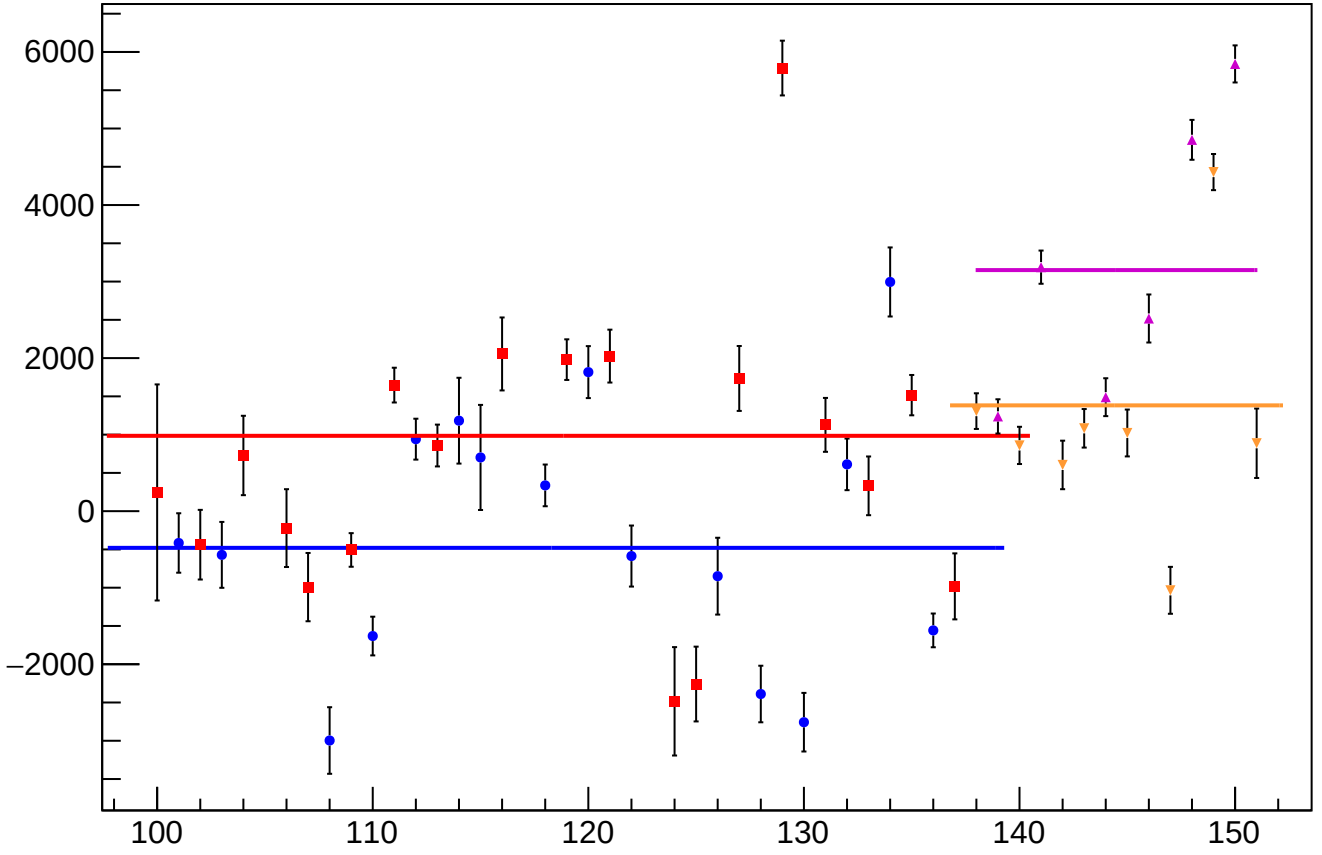
Left In: 209.821+/-0.066 χ^2/NDF:195042.9/5

+ sign 204.103+/-0.041 χ^2/NDF: 1564700.2/23

All: 196.042+/-0.028 χ^2/NDF: 3350952.3/48

- sign 188.728+/-0.039 χ^2/NDF: 1713299.9/24

asym_bpm0i07WS_mean vs Slug



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 1382.392+/-97.528 χ^2/NDF:243.6/7

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

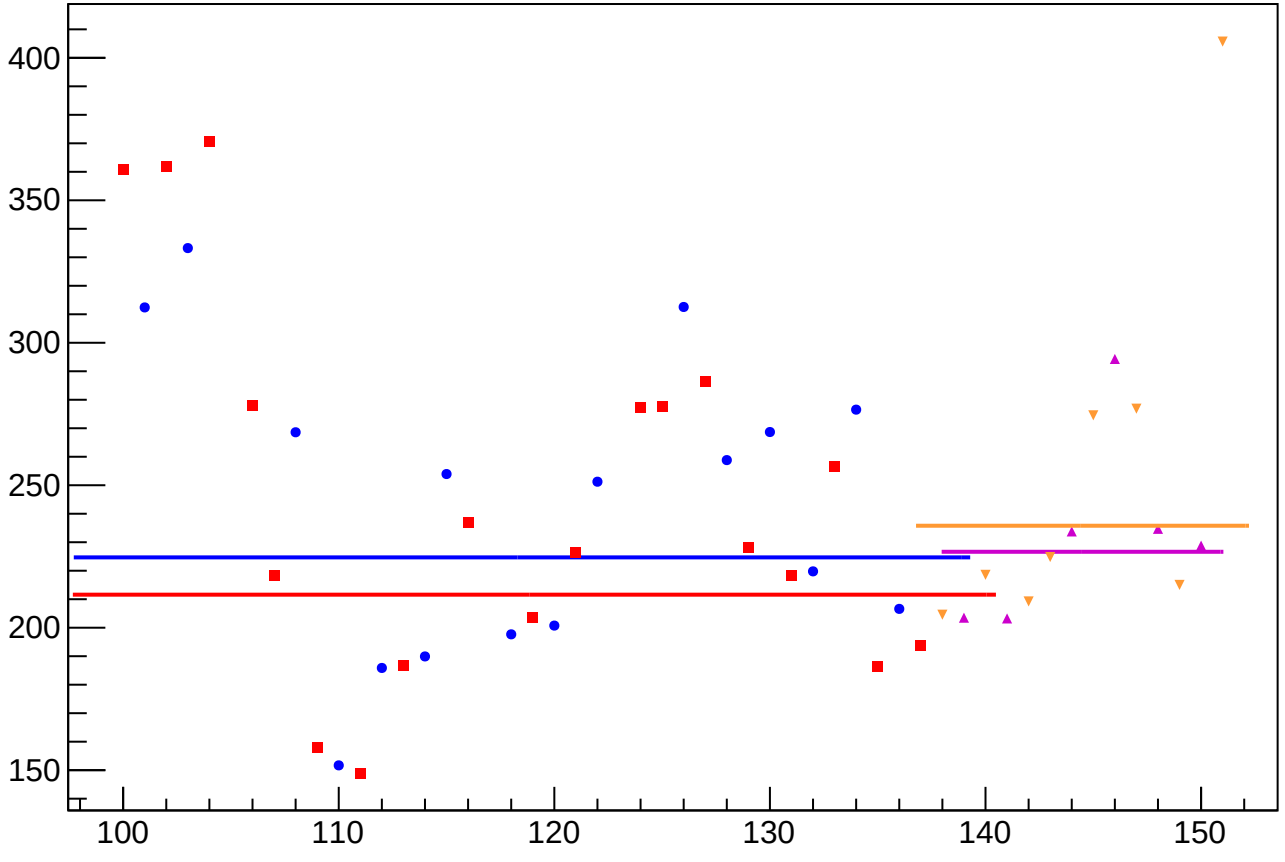
Left In: 3150.050+/-100.247 χ^2/NDF:288.5/5

+ sign 342.341+/-64.791 χ^2/NDF: 752.6/23

All: 1111.997+/-45.160 χ^2/NDF: 1996.1/48

- sign 1839.173+/-62.978 χ^2/NDF: 969.1/24

asym_bpm0i07WS_rms vs Slug



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 235.789+/-0.069 χ^2/NDF:427627.2/7

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

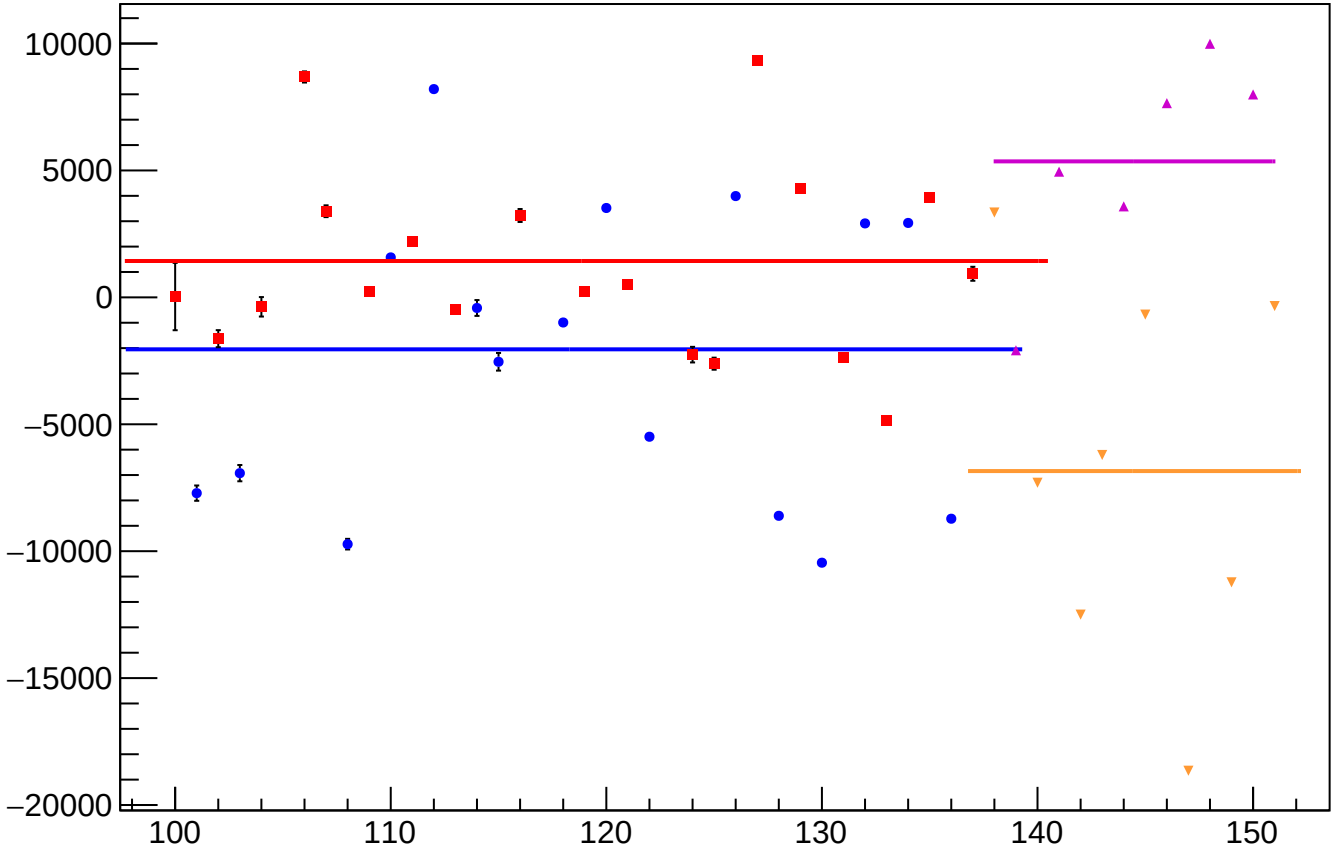
Left In: 226.647+/-0.071 χ^2/NDF:141440.4/5

+ sign 229.584+/-0.046 χ^2/NDF: 1095309.7/23

All: 223.389+/-0.032 χ^2/NDF: 2232510.3/48

- sign 217.536+/-0.045 χ^2/NDF: 1101637.6/24

asym_bpm1i02WS_mean vs Slug



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -6843.445+/-45.713 χ^2/NDF:22907.2/7

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

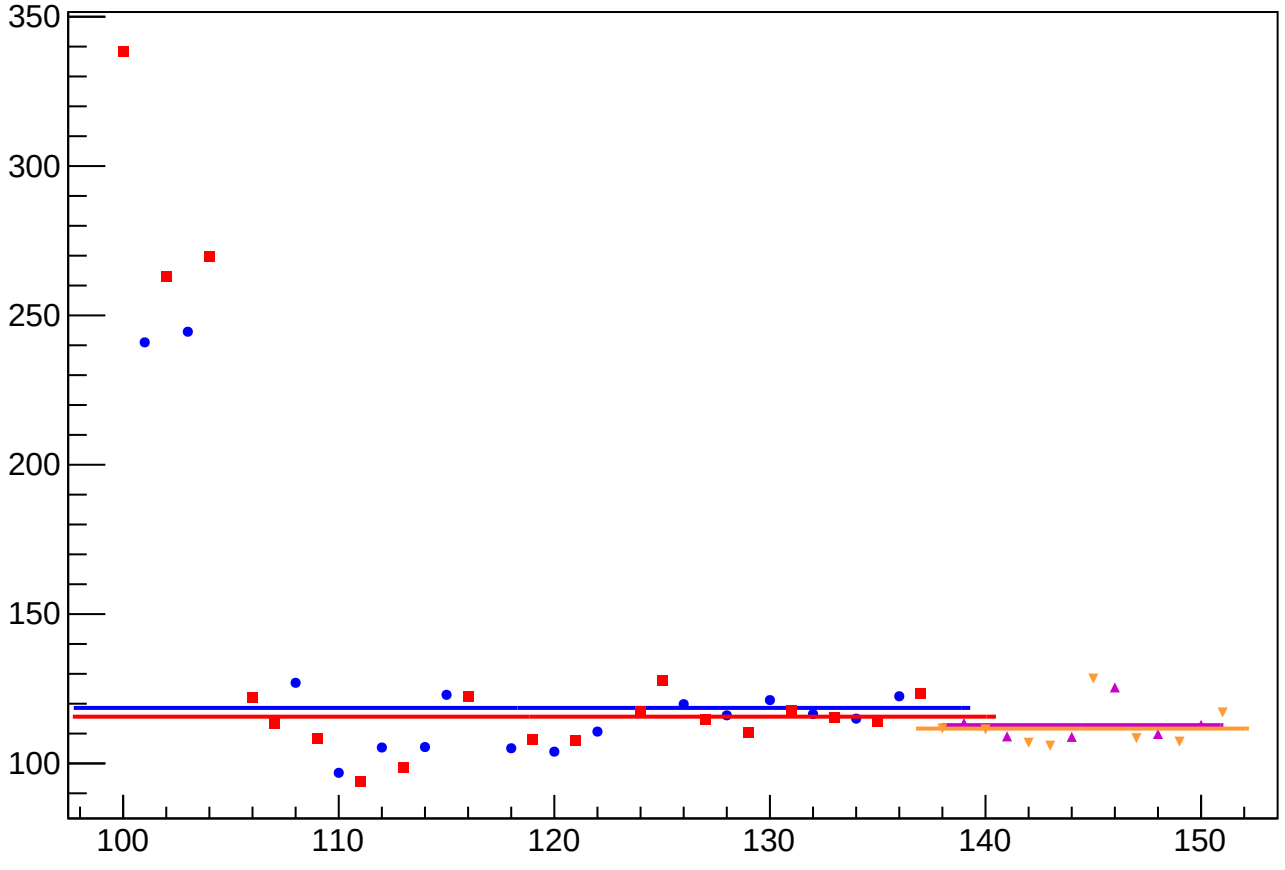
Left In: 5357.407+/-49.971 χ^2/NDF:5925.2/5

+ sign -4497.671+/-32.675 χ^2/NDF: 45000.2/23

All: -735.490+/-23.332 χ^2/NDF: 87786.9/48

- sign 3178.572+/-33.328 χ^2/NDF: 15737.2/24

asym_bpm1i02WS_rms vs Slug



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 111.677+/-0.032 χ^2/NDF:40557.6/7

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

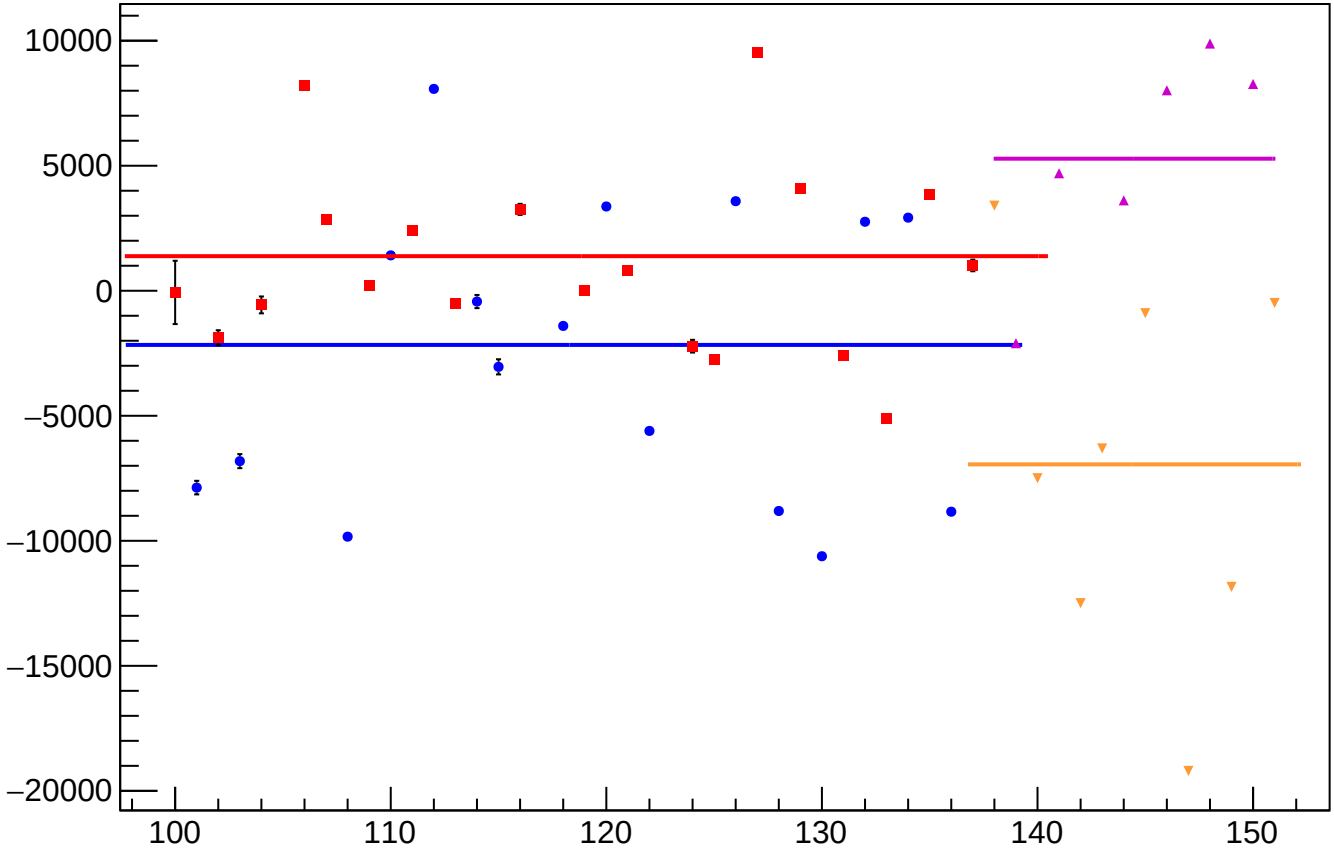
Left In: 112.822+/-0.035 χ^2/NDF:23349.4/5

+ sign 115.061+/-0.023 χ^2/NDF: 797125.9/23

All: 114.736+/-0.016 χ^2/NDF: 1688666.7/48

- sign 114.397+/-0.024 χ^2/NDF: 891136.6/24

asym_bpm1i04WS_mean vs Slug



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -6943.214+/-42.059 χ^2/NDF:27746.0/7

Right Out: 1383.103+/-37.976 χ^2/NDF: 9148.6/18

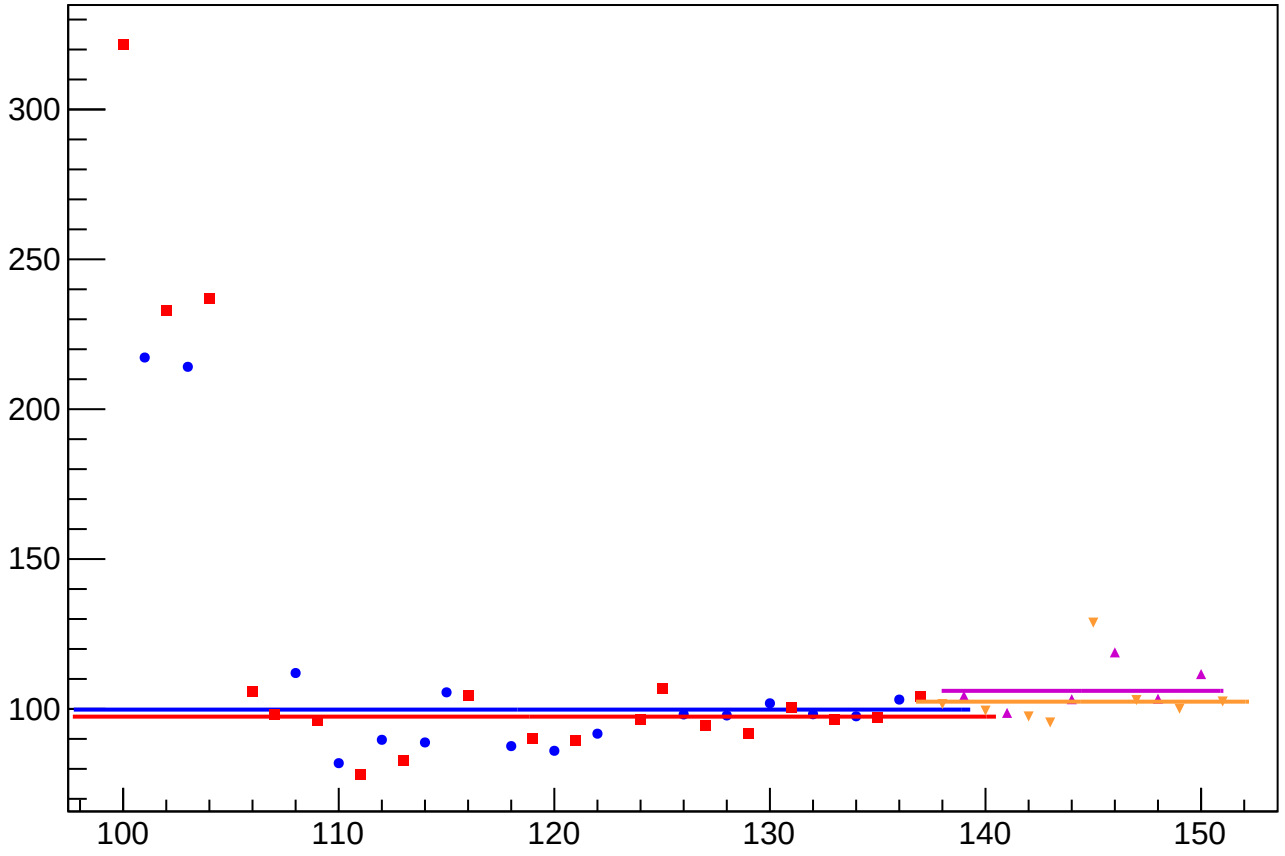
Left In: 5281.825+/-47.055 χ^2/NDF:6975.7/5

+ sign -4412.732+/-28.844 χ^2/NDF: 57454.7/23

All: -834.884+/-20.642 χ^2/NDF: 109273.9/48

- sign 2920.853+/-29.552 χ^2/NDF: 20281.4/24

asym_bpm1i04WS_rms vs Slug



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 102.423+/-0.030 χ^2/NDF:78670.5/7

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

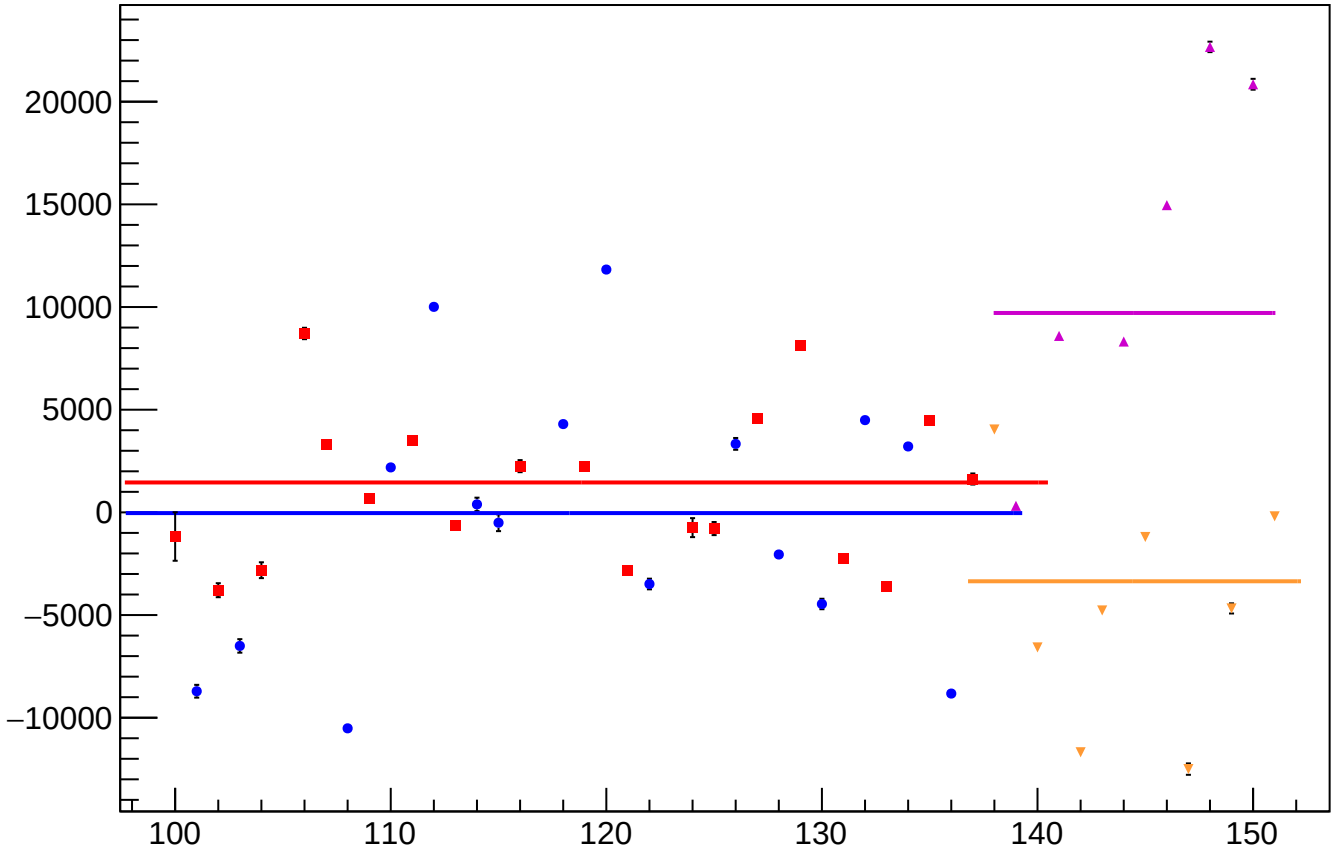
Left In: 106.032+/-0.033 χ^2/NDF:37173.7/5

+ sign 101.020+/-0.020 χ^2/NDF: 892025.3/23

All: 100.923+/-0.015 χ^2/NDF: 1895794.4/48

- sign 100.821+/-0.021 χ^2/NDF: 1003722.8/24

asym_bpm1i06WS_mean vs Slug



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -3355.467+/-68.927 χ^2/NDF:5485.4/7

Right Out: 1456.665+/-51.946 χ^2/NDF: 4117.0/18

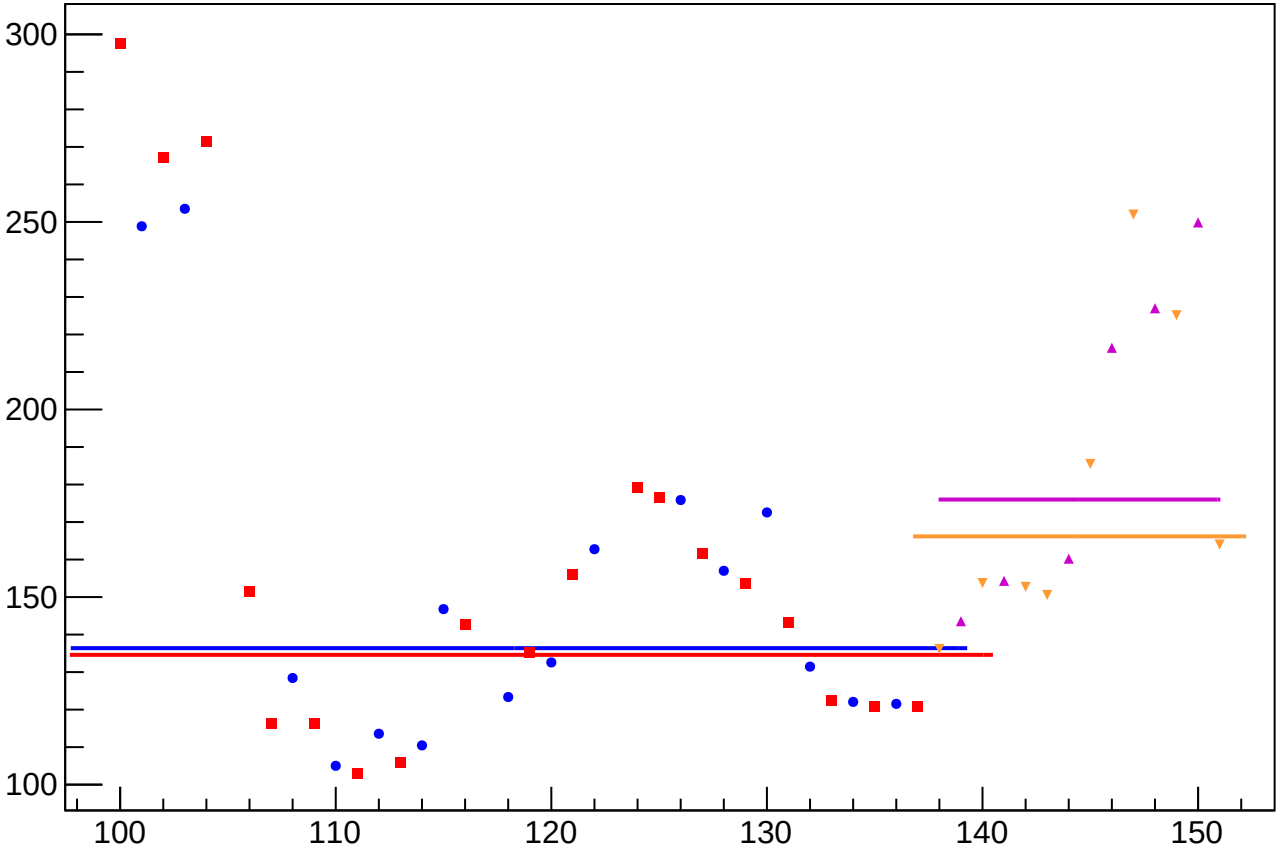
Left In: 9710.825+/-79.222 χ^2/NDF:8491.5/5

+ sign -1282.135+/-42.246 χ^2/NDF: 23737.4/23

All: 1255.408+/-30.286 χ^2/NDF: 51360.3/48

- sign 3938.442+/-43.440 χ^2/NDF: 20200.2/24

asym_bpm1i06WS_rms vs Slug



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 166.185+/-0.049 χ^2/NDF:430726.3/7

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

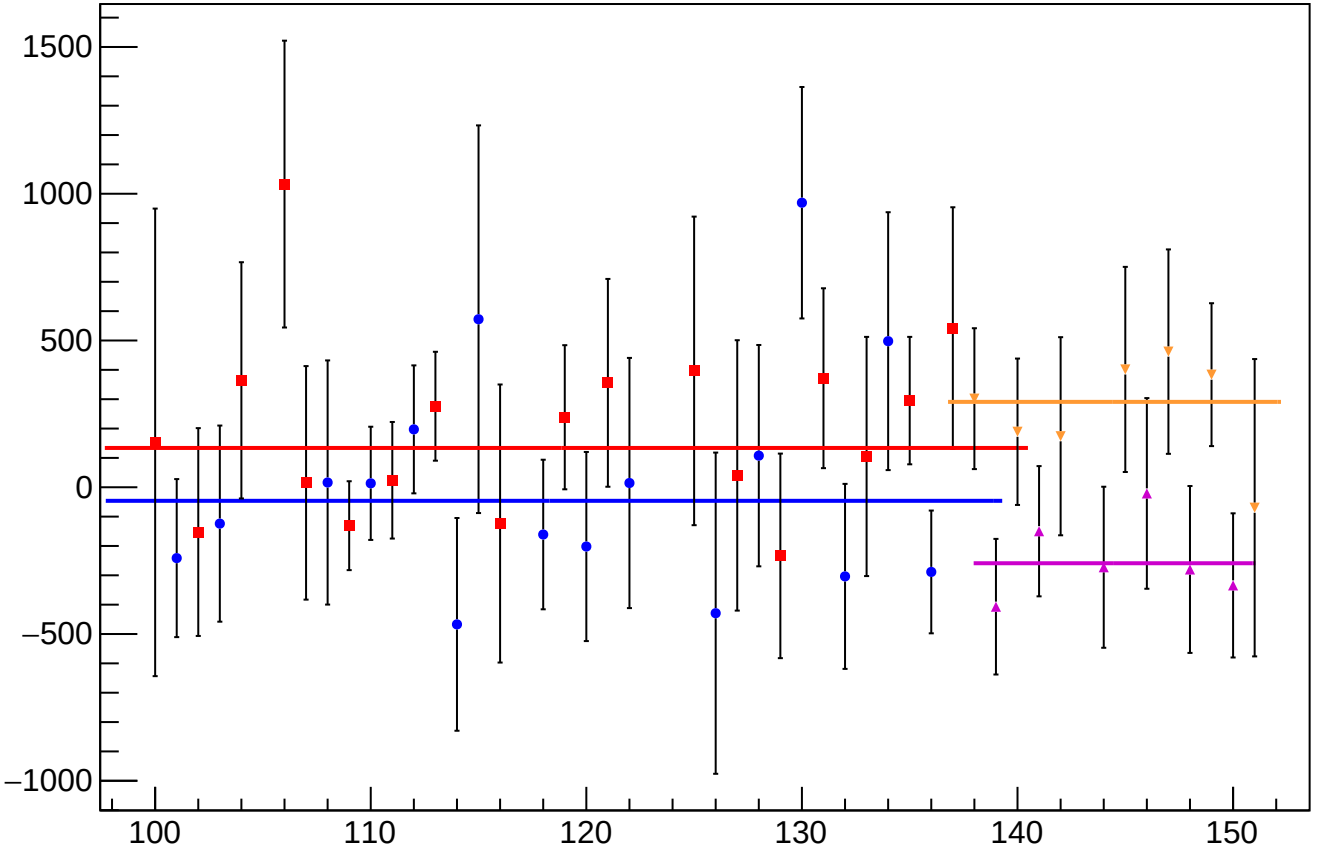
Left In: 176.003+/-0.056 χ^2/NDF:433636.8/5

+ sign 147.579+/-0.030 χ^2/NDF: 1461013.3/23

All: 147.320+/-0.021 χ^2/NDF: 3196455.8/48

- sign 147.048+/-0.031 χ^2/NDF: 1735288.9/24

asym_bcm_2an_us_an_ds_avg_mean vs Slug



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 290.916+/-112.201 χ^2/NDF:1.3/6

Right Out: 133.913+/-68.414 χ^2/NDF: 12.8/17

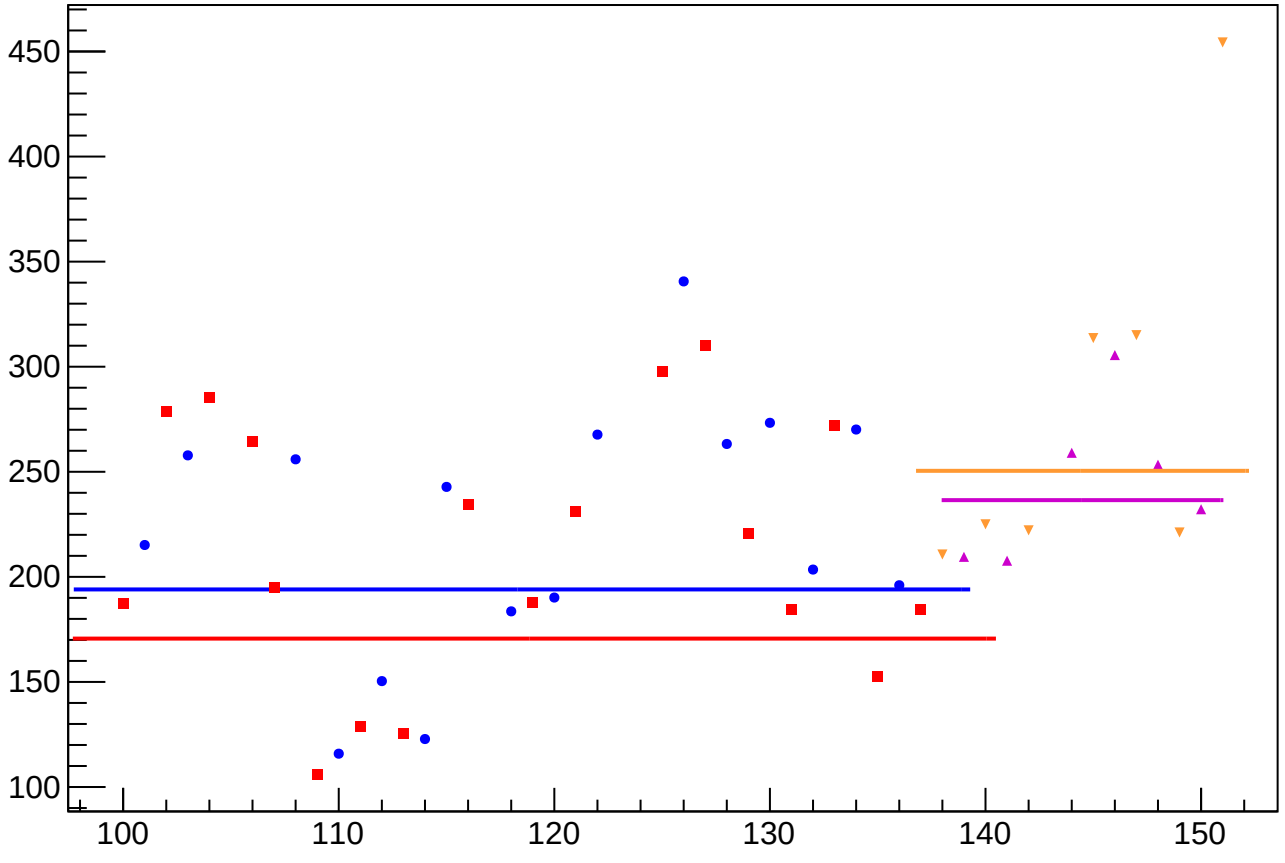
Left In: -258.864+/-104.961 χ^2/NDF:1.3/5

+ sign 60.368+/-63.084 χ^2/NDF: 22.9/22

All: 36.500+/-42.421 χ^2/NDF: 47.1/46

- sign 16.799+/-57.314 χ^2/NDF: 23.9/23

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 250.457+/-0.079 χ^2/NDF:577031.2/6

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

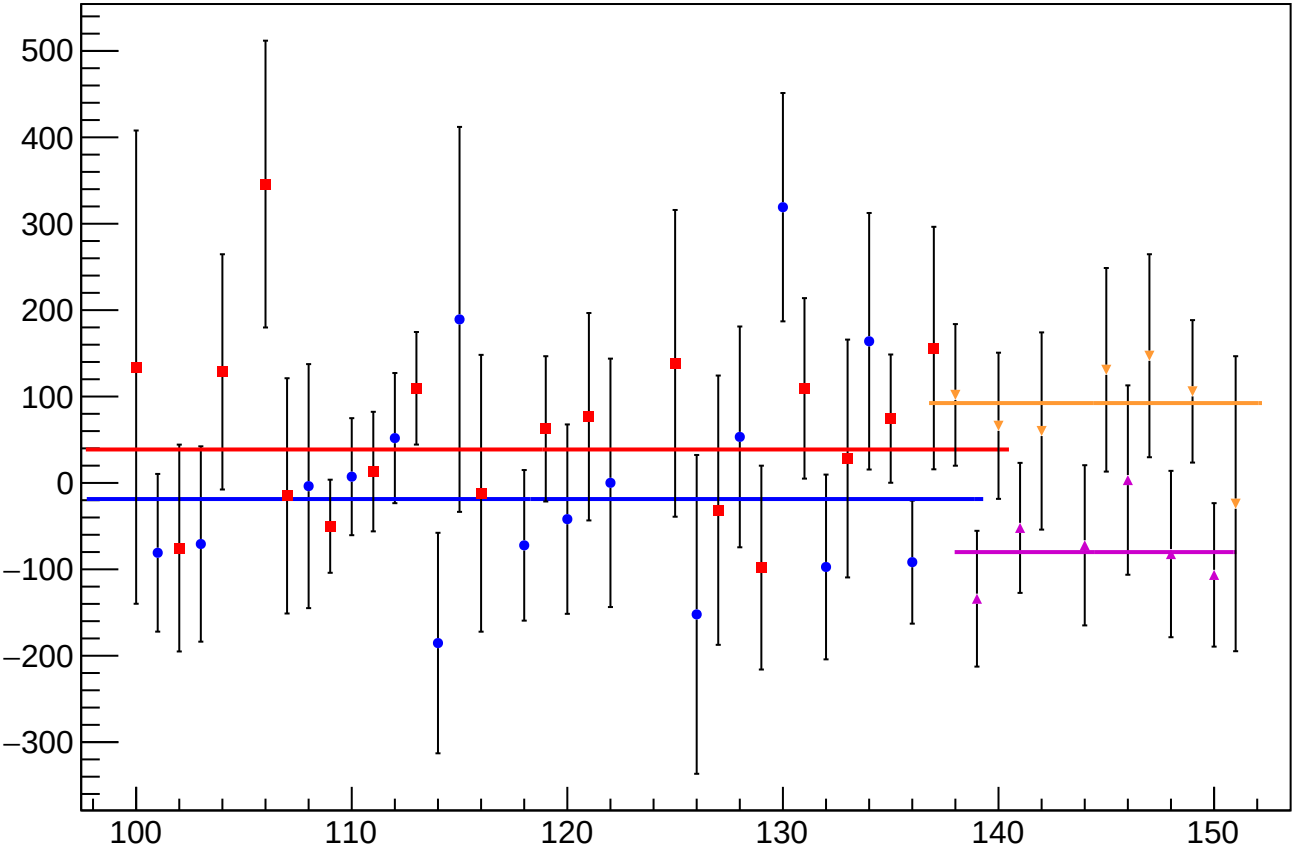
Left In: 236.509+/-0.074 χ^2/NDF:172518.1/5

+ sign 211.858+/-0.045 χ^2/NDF: 1966713.8/22

All: 200.031+/-0.030 χ^2/NDF: 4414371.4/46

- sign 190.269+/-0.041 χ^2/NDF: 2319327.3/23

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 92.428+/-38.034 χ^2/NDF:1.0/6

Right Out: 38.716+/-23.652 χ^2/NDF: 12.6/17

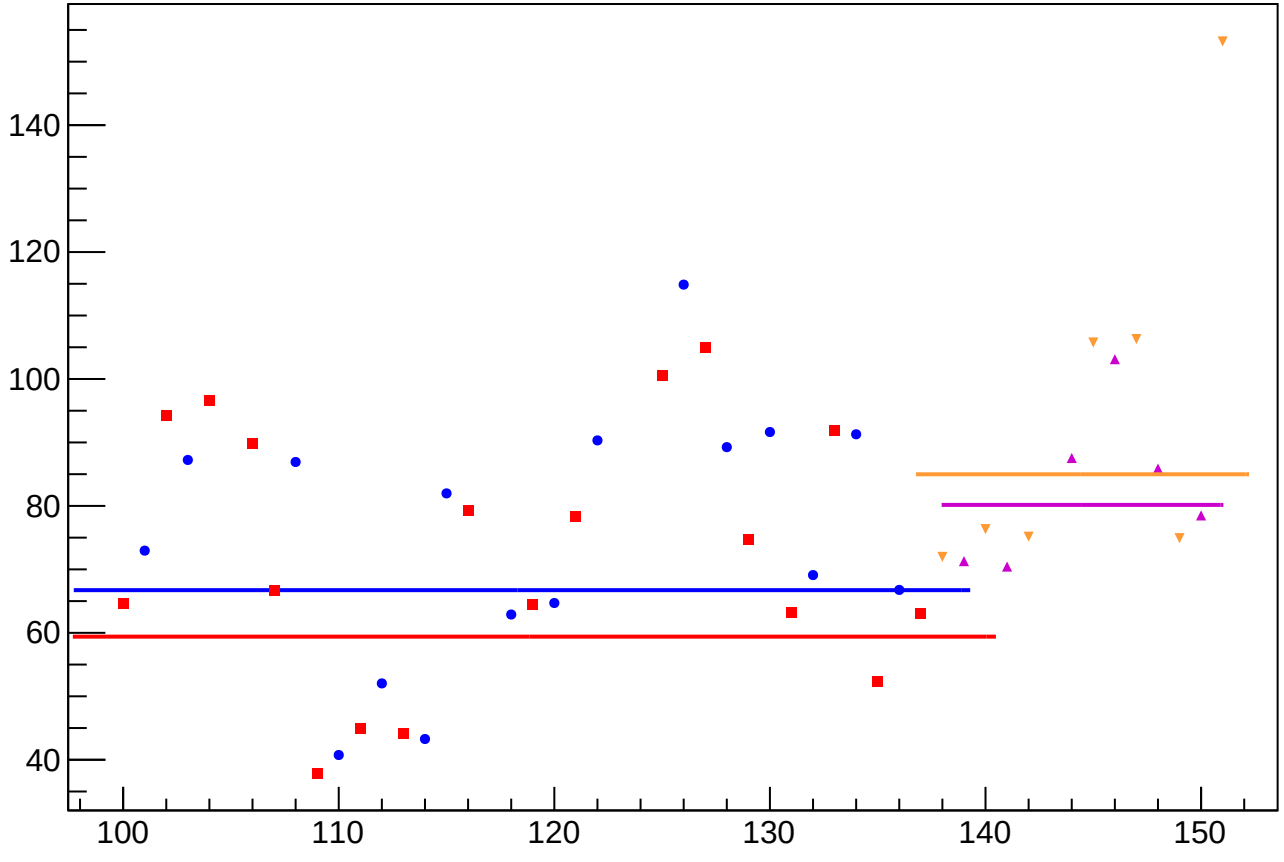
Left In: -80.049+/-35.554 χ^2/NDF:1.3/5

+ sign 16.957+/-21.533 χ^2/NDF: 22.0/22

All: 8.965+/-14.532 χ^2/NDF: 43.9/46

- sign 2.281+/-19.693 χ^2/NDF: 21.7/23

asym_bcm_2an_us_an_ds_dd_rms vs Slug



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 84.982+/-0.027 χ^2/NDF:563081.6/6

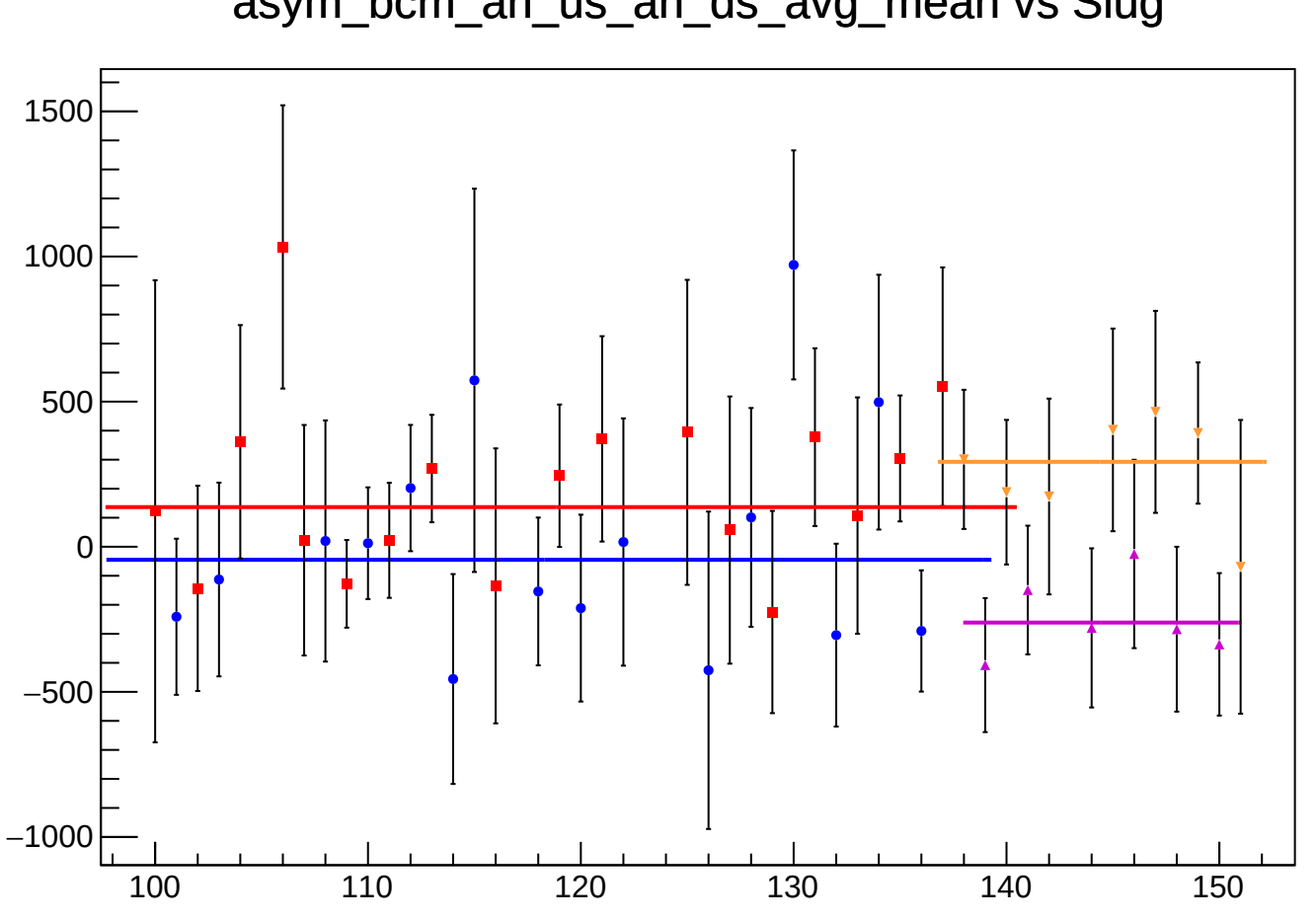
Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

Left In: 80.158+/-0.025 χ^2/NDF:167134.1/5

+ sign 72.576+/-0.015 χ^2/NDF: 1823283.1/22

All: 68.869+/-0.010 χ^2/NDF: 4017239.4/46

- sign 65.768+/-0.014 χ^2/NDF: 2085089.0/23



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 292.566+/-112.116 χ^2/NDF:1.3/6

Right Out: 136.579+/-68.322 χ^2/NDF: 12.9/17

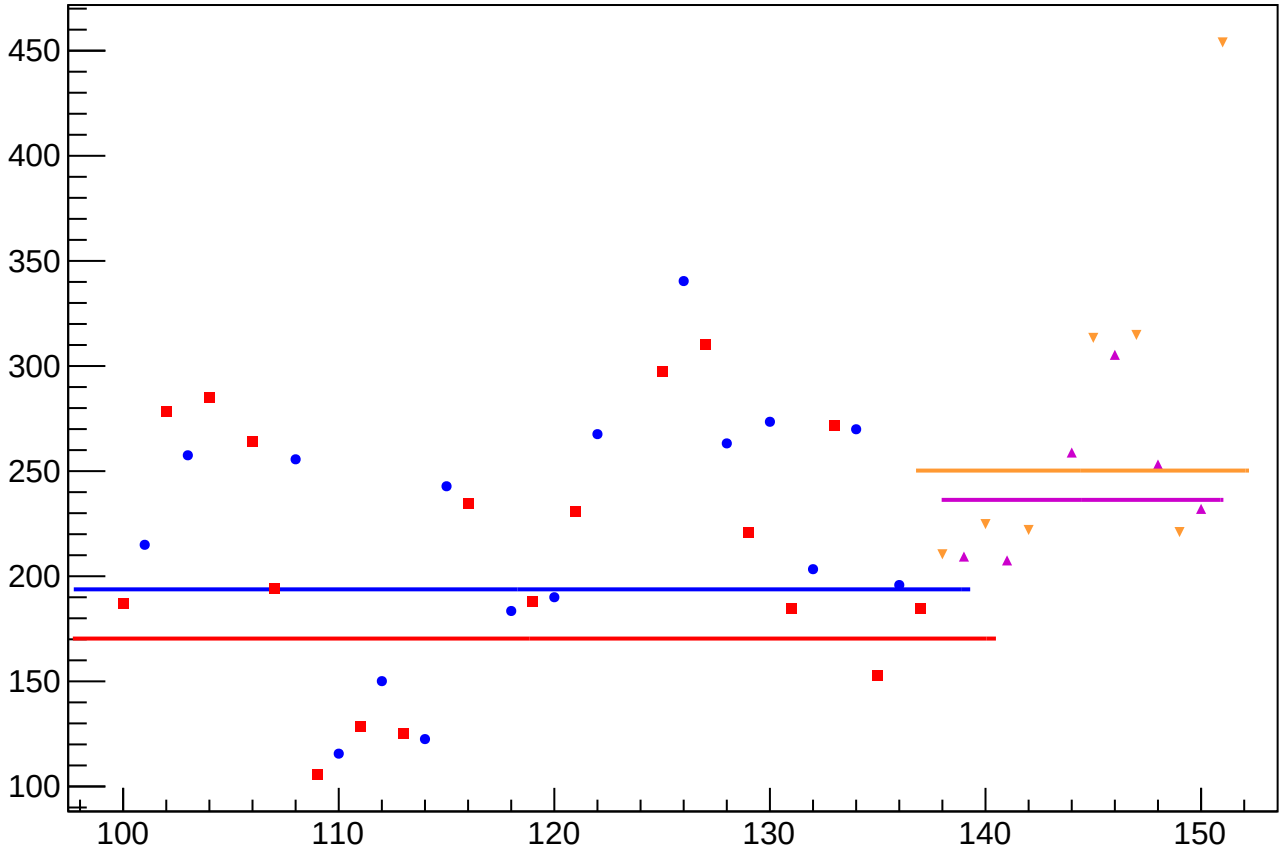
Left In: -261.242+/-104.884 χ^2/NDF:1.3/5

+ sign 61.715+/-63.021 χ^2/NDF: 23.0/22

All: 37.797+/-42.375 χ^2/NDF: 47.5/46

- sign 18.061+/-57.248 χ^2/NDF: 24.3/23

asym_bcm_an_us_an_ds_avg_rms vs Slug



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 250.267+/-0.079 χ^2/NDF:576997.3/6

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

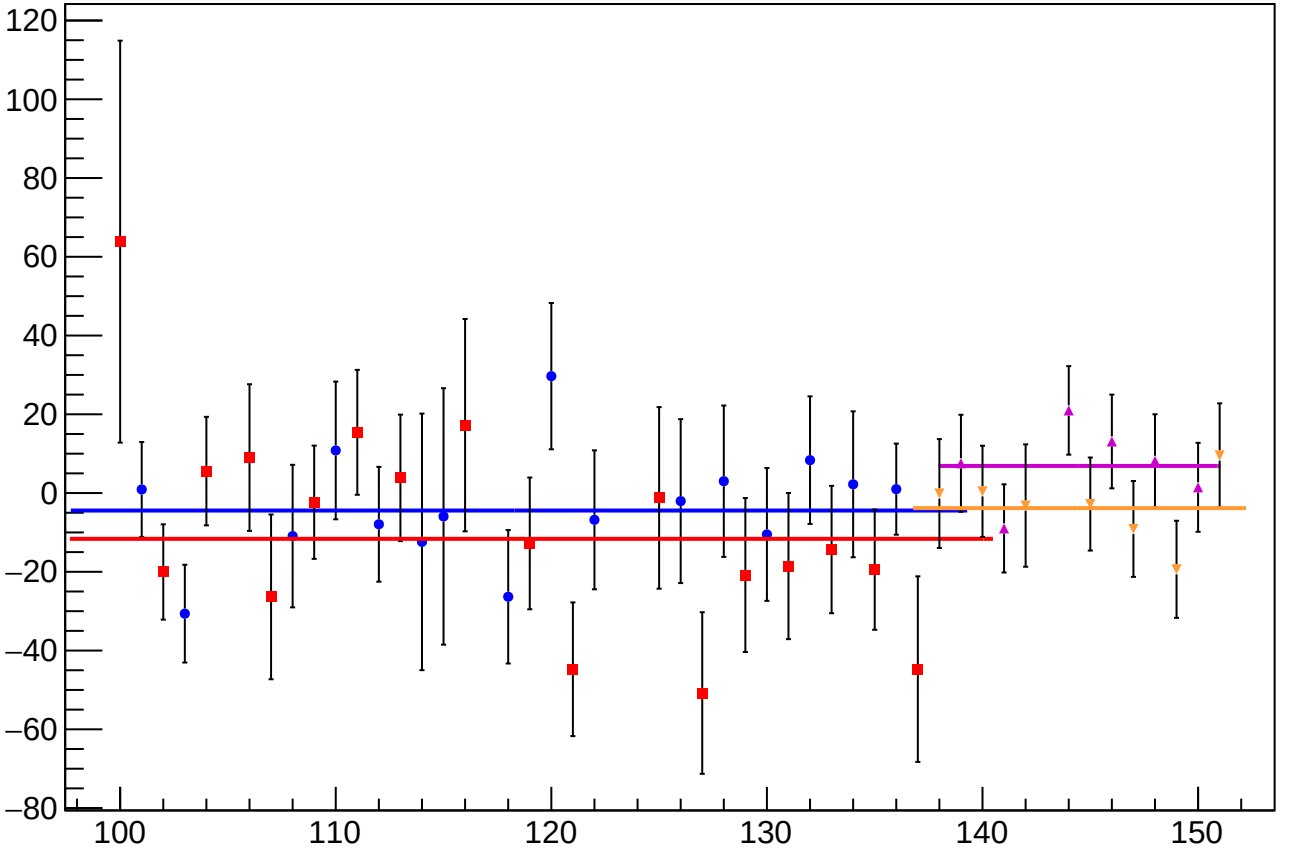
Left In: 236.333+/-0.074 χ^2/NDF:172534.4/5

+ sign 211.619+/-0.045 χ^2/NDF: 1972517.1/22

All: 199.781+/-0.030 χ^2/NDF: 4428488.5/46

- sign 190.013+/-0.040 χ^2/NDF: 2327171.2/23

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: -3.831+/-4.821 χ^2/NDF:3.0/6

Right Out: -11.627+/-4.137 χ^2/NDF: 21.6/17

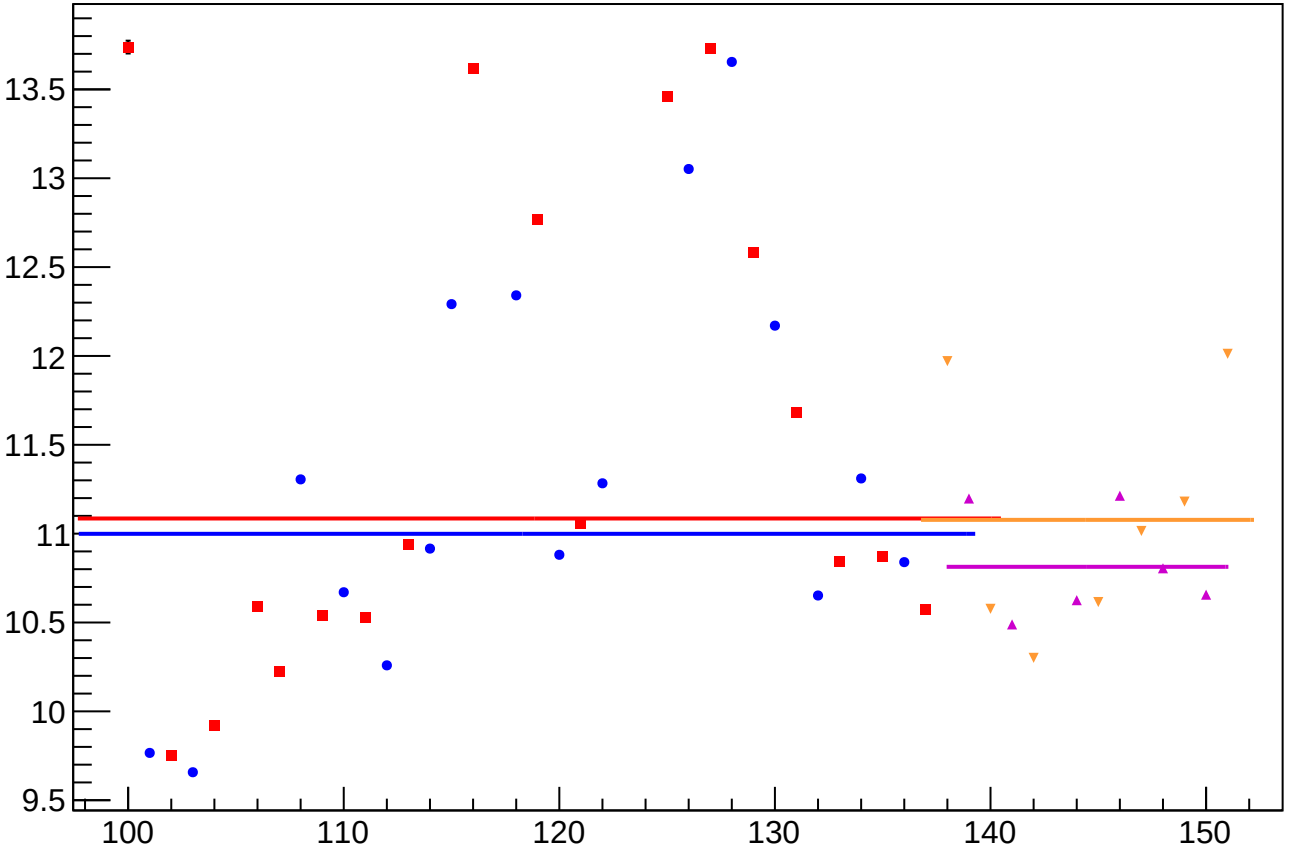
Left In: 6.885+/-4.739 χ^2/NDF:4.1/5

+ sign -4.182+/-3.137 χ^2/NDF: 15.0/22

All: -3.900+/-2.211 χ^2/NDF: 49.4/46

- sign -3.622+/-3.116 χ^2/NDF: 34.4/23

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.078+/-0.003 χ^2/NDF:30312.1/6

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

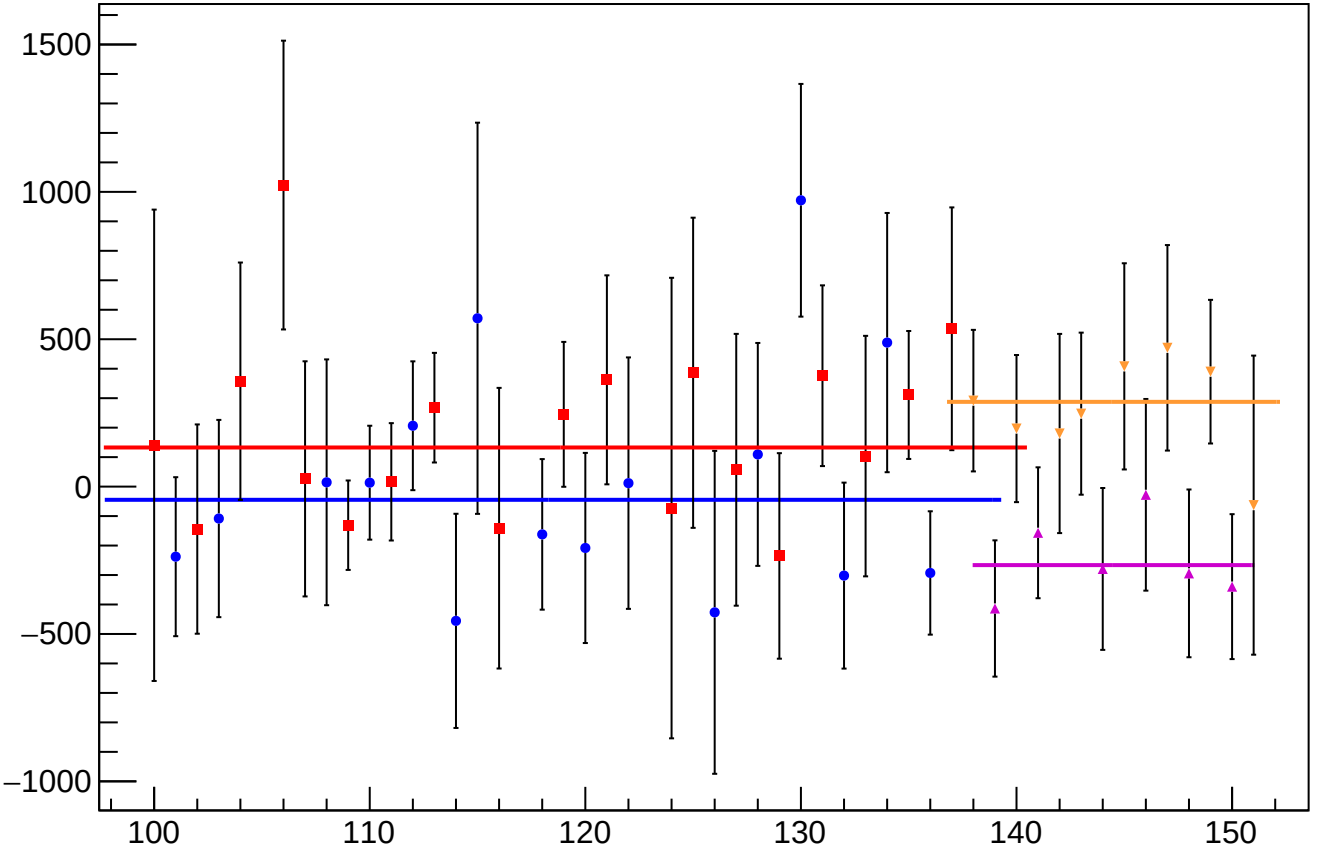
Left In: 10.813+/-0.003 χ^2/NDF:6825.3/5

+ sign 11.032+/-0.002 χ^2/NDF: 166777.6/22

All: 11.000+/-0.002 χ^2/NDF: 339971.2/46

- sign 10.968+/-0.002 χ^2/NDF: 172766.9/23

asym_bcm_an_us_an_ds3_avg_mean vs Slug



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 287.573+/-103.971 χ^2/NDF:1.3/7

Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

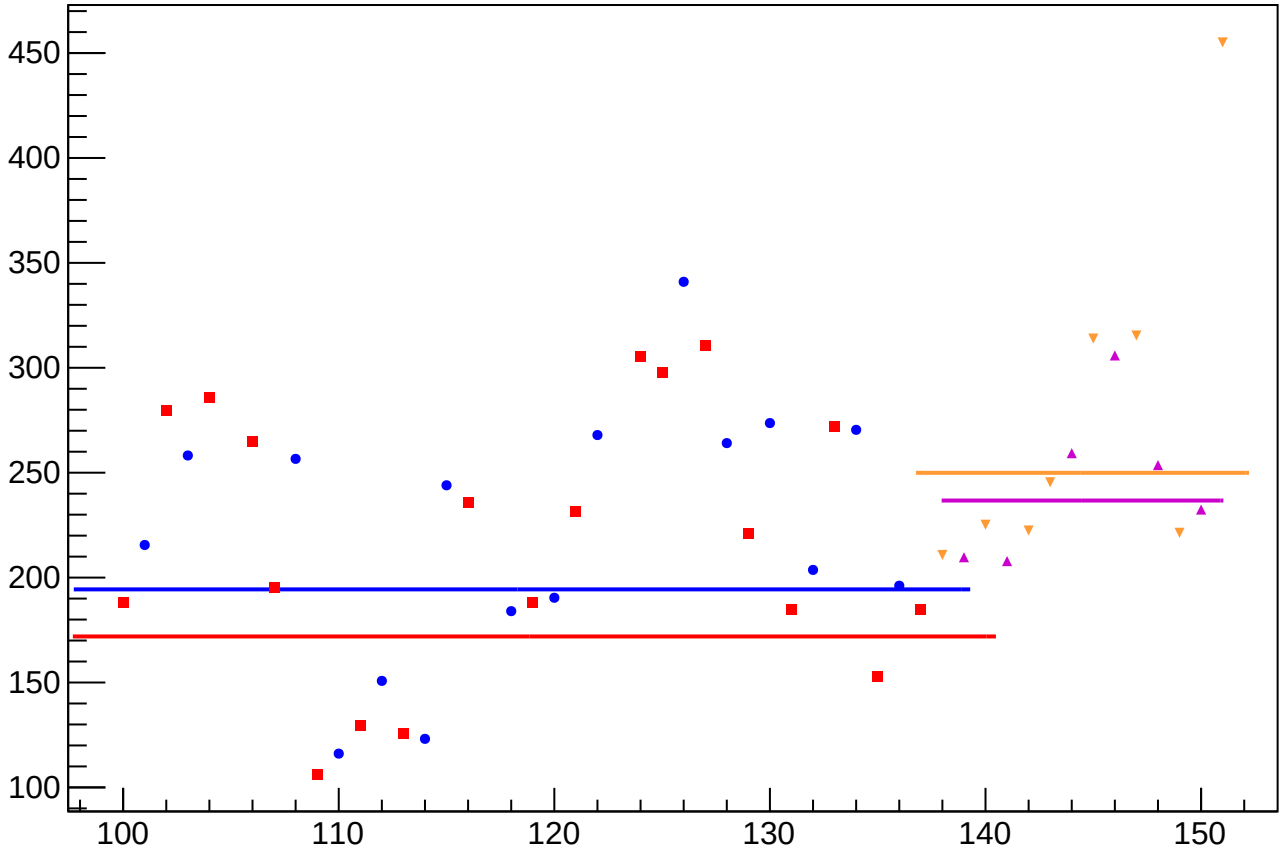
Left In: -266.343+/-105.062 χ^2/NDF:1.3/5

\+ sign 71.789+/-61.578 χ^2/NDF: 23.4/23

All: 40.924+/-41.927 χ^2/NDF: 48.1/48

\- sign 14.250+/-57.245 χ^2/NDF: 24.3/24

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 249.937+/-0.074 χ^2/NDF:578479.8/7

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

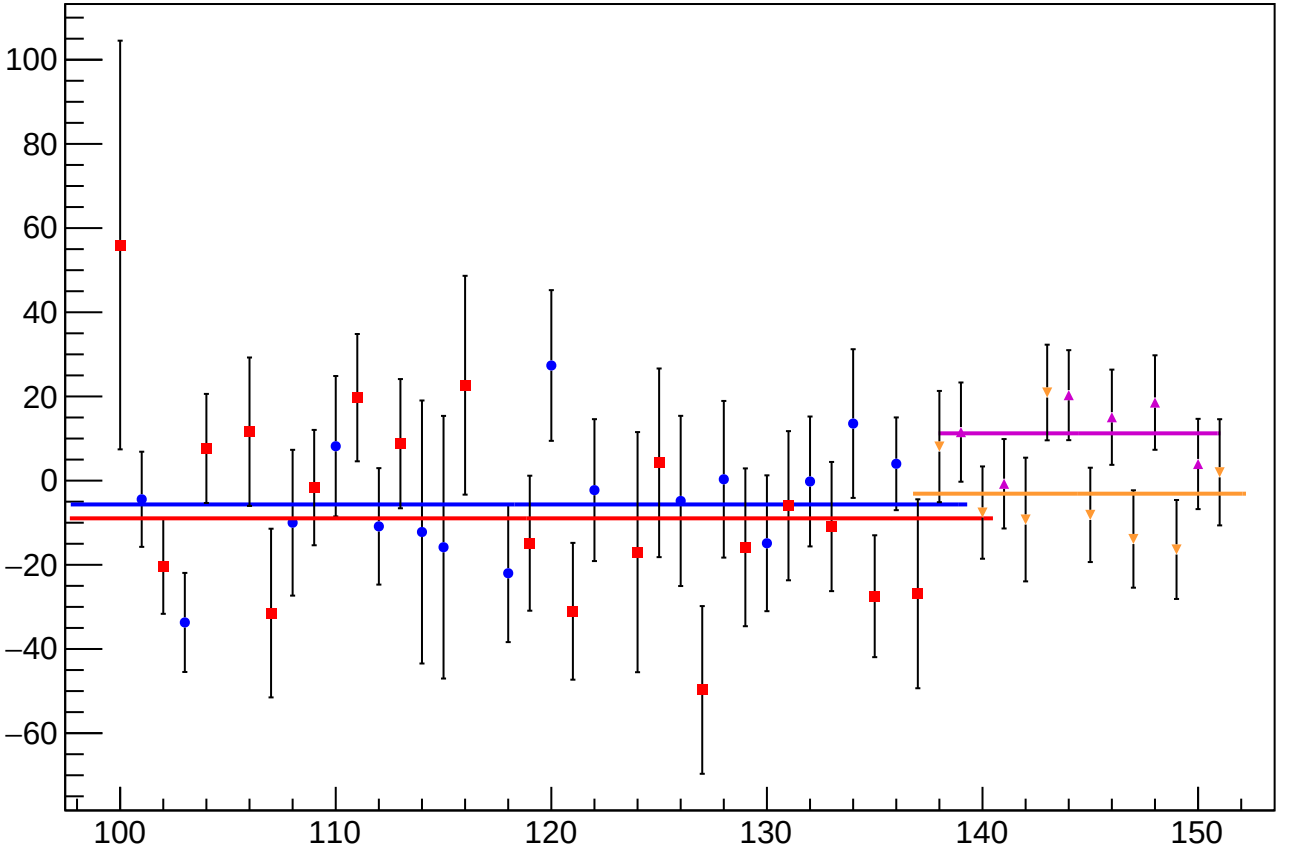
Left In: 236.730+/-0.074 χ^2/NDF:172729.7/5

+ sign 213.871+/-0.044 χ^2/NDF: 1991186.2/23

All: 201.700+/-0.030 χ^2/NDF: 4495560.7/48

- sign 191.182+/-0.040 χ^2/NDF: 2358716.2/24

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: -3.100+/-4.250 χ^2/NDF:8.0/7

Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

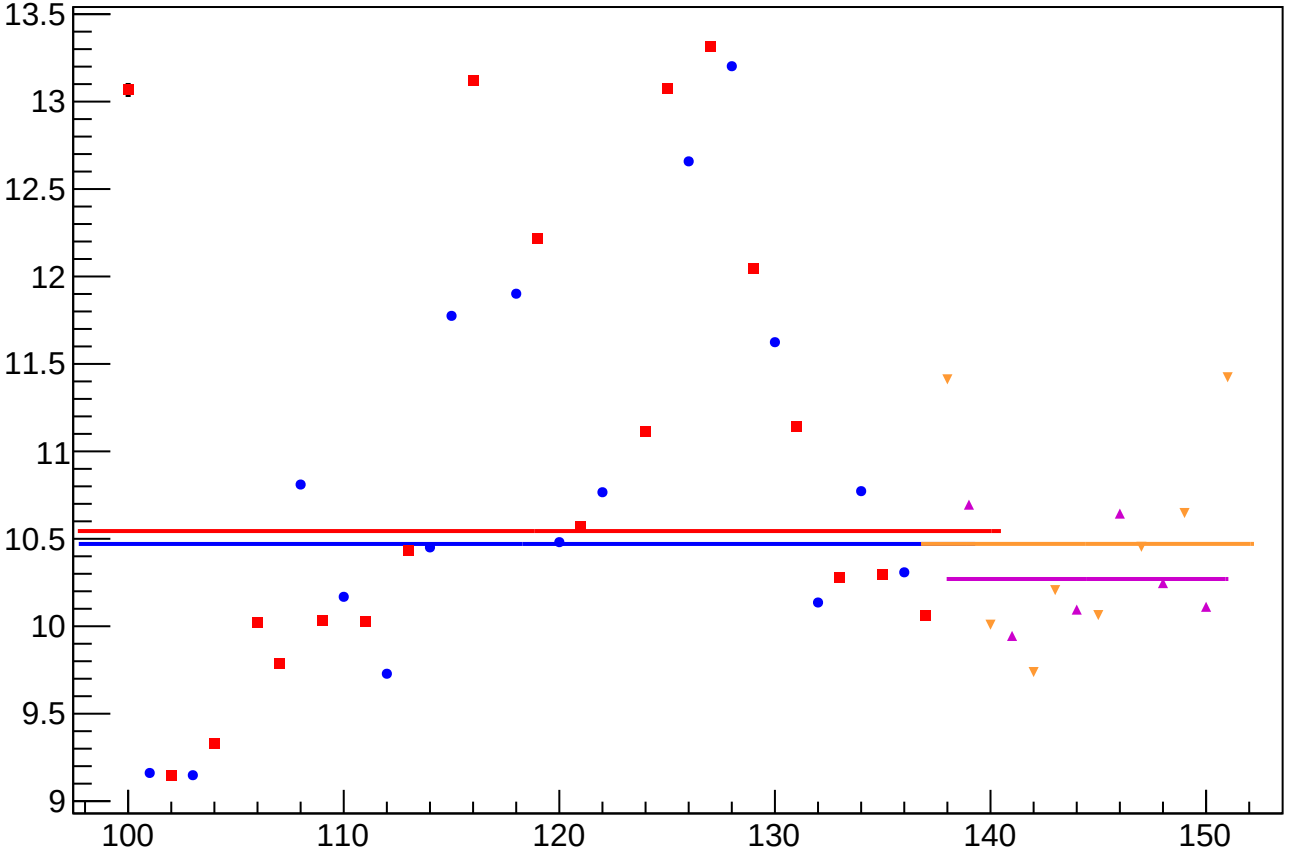
Left In: 11.236+/-4.506 χ^2/NDF:3.0/5

+ sign -4.476+/-2.889 χ^2/NDF: 21.9/23

All: -2.435+/-2.064 χ^2/NDF: 60.2/48

- sign -0.308+/-2.949 χ^2/NDF: 37.3/24

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.471+/-0.003 χ^2/NDF:34245.4/7

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

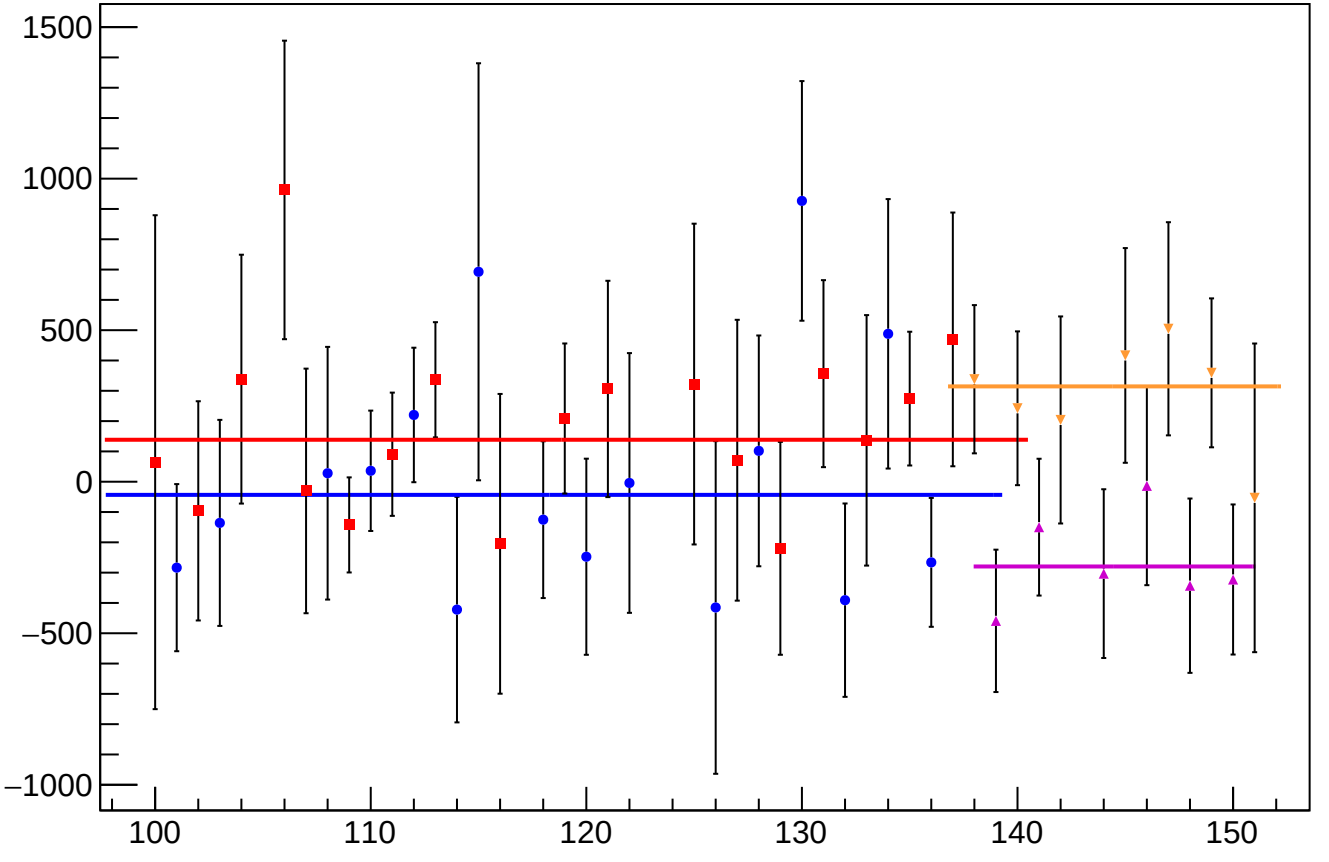
Left In: 10.270+/-0.003 χ^2/NDF:7646.6/5

+ sign 10.471+/-0.002 χ^2/NDF: 191611.2/23

All: 10.449+/-0.001 χ^2/NDF: 390494.1/48

- sign 10.427+/-0.002 χ^2/NDF: 198657.5/24

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 314.515+/-113.744 χ^2/NDF:1.1/6

Right Out: 138.455+/-69.833 χ^2/NDF: 11.5/17

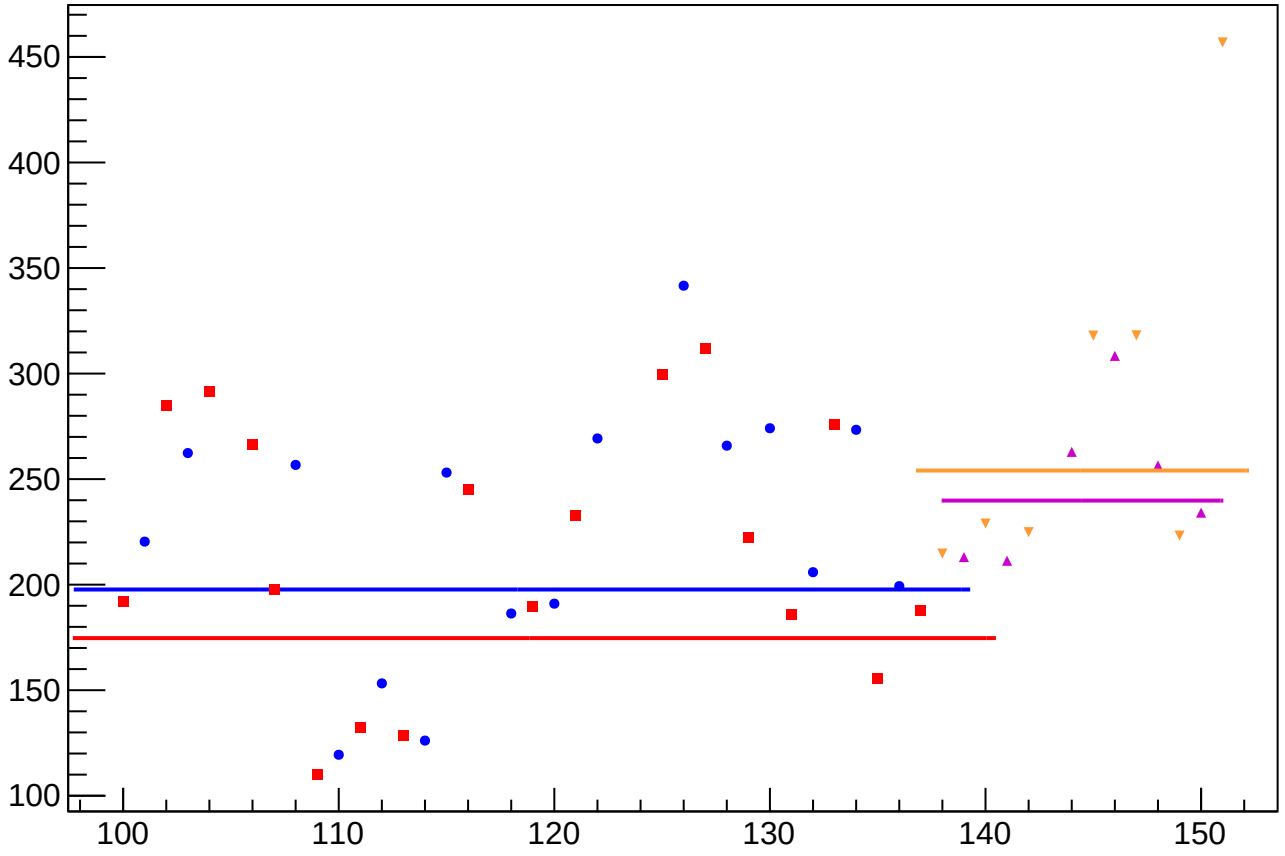
Left In: -279.673+/-106.382 χ^2/NDF:1.7/5

+ sign 70.258+/-64.094 χ^2/NDF: 23.3/22

All: 38.711+/-43.159 χ^2/NDF: 47.7/46

- sign 12.539+/-58.379 χ^2/NDF: 23.9/23

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 254.076+/-0.080 χ^2/NDF:566137.1/6

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

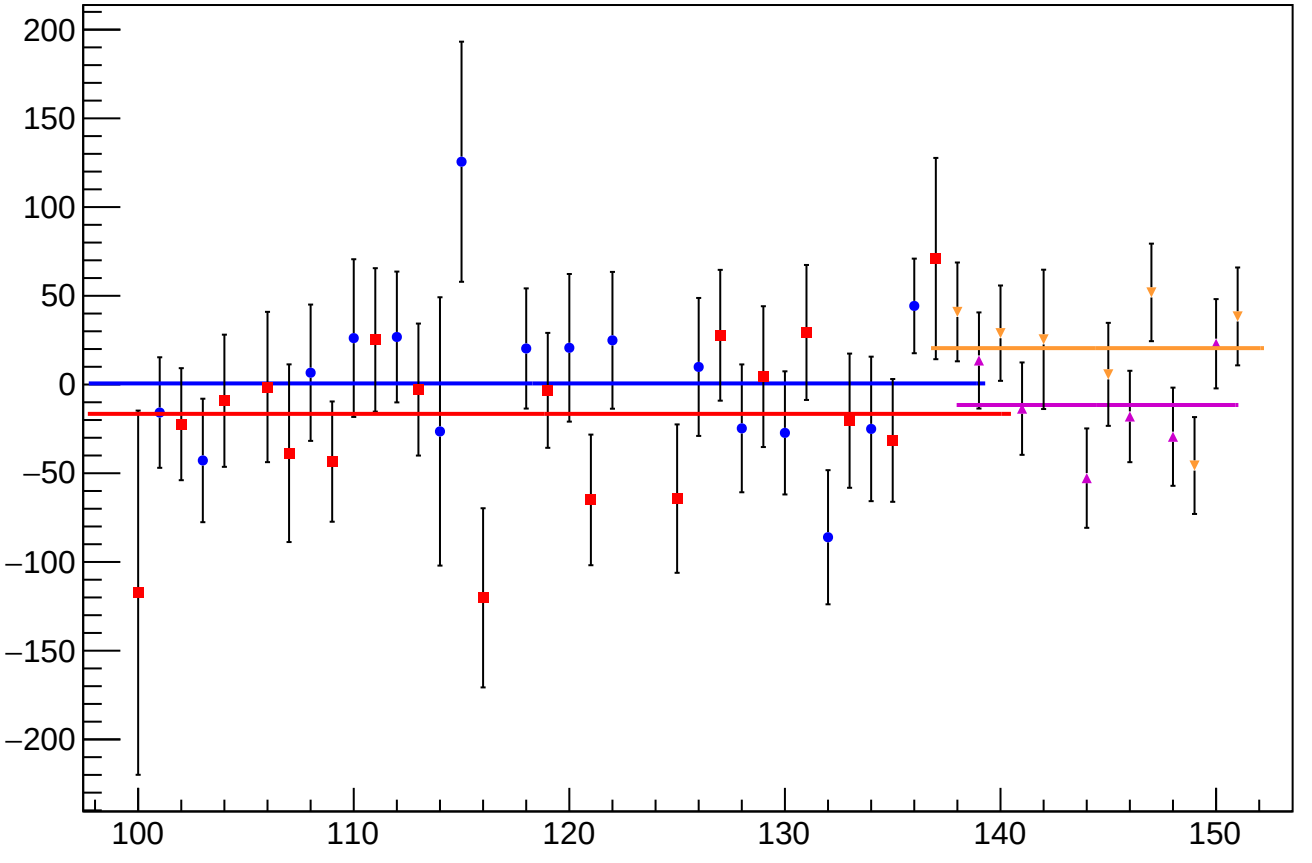
Left In: 239.827+/-0.075 χ^2/NDF:166854.1/5

+ sign 215.606+/-0.045 χ^2/NDF: 1901685.9/22

All: 203.960+/-0.031 χ^2/NDF: 4248282.0/46

- sign 194.298+/-0.041 χ^2/NDF: 2225781.0/23

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 20.506+/-10.852 χ^2/NDF:8.5/6

Right Out: -16.534+/-9.307 χ^2/NDF: 16.4/17

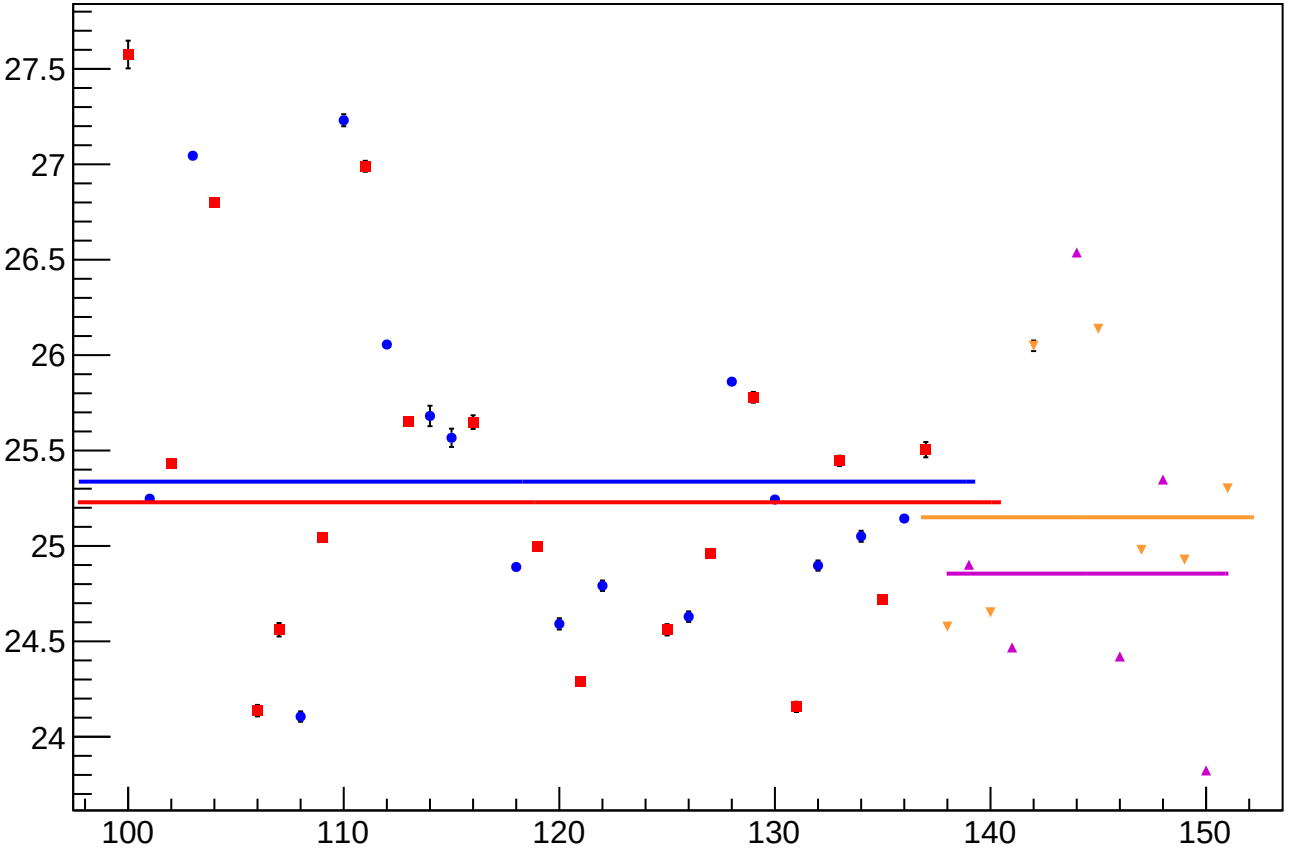
Left In: -11.536+/-10.842 χ^2/NDF:5.4/5

+ sign 9.167+/-7.114 χ^2/NDF: 27.2/22

All: -2.711+/-5.012 χ^2/NDF: 54.6/46

- sign -14.413+/-7.062 χ^2/NDF: 21.9/23

asym_bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.150+/-0.008 χ^2/NDF:5170.0/6

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

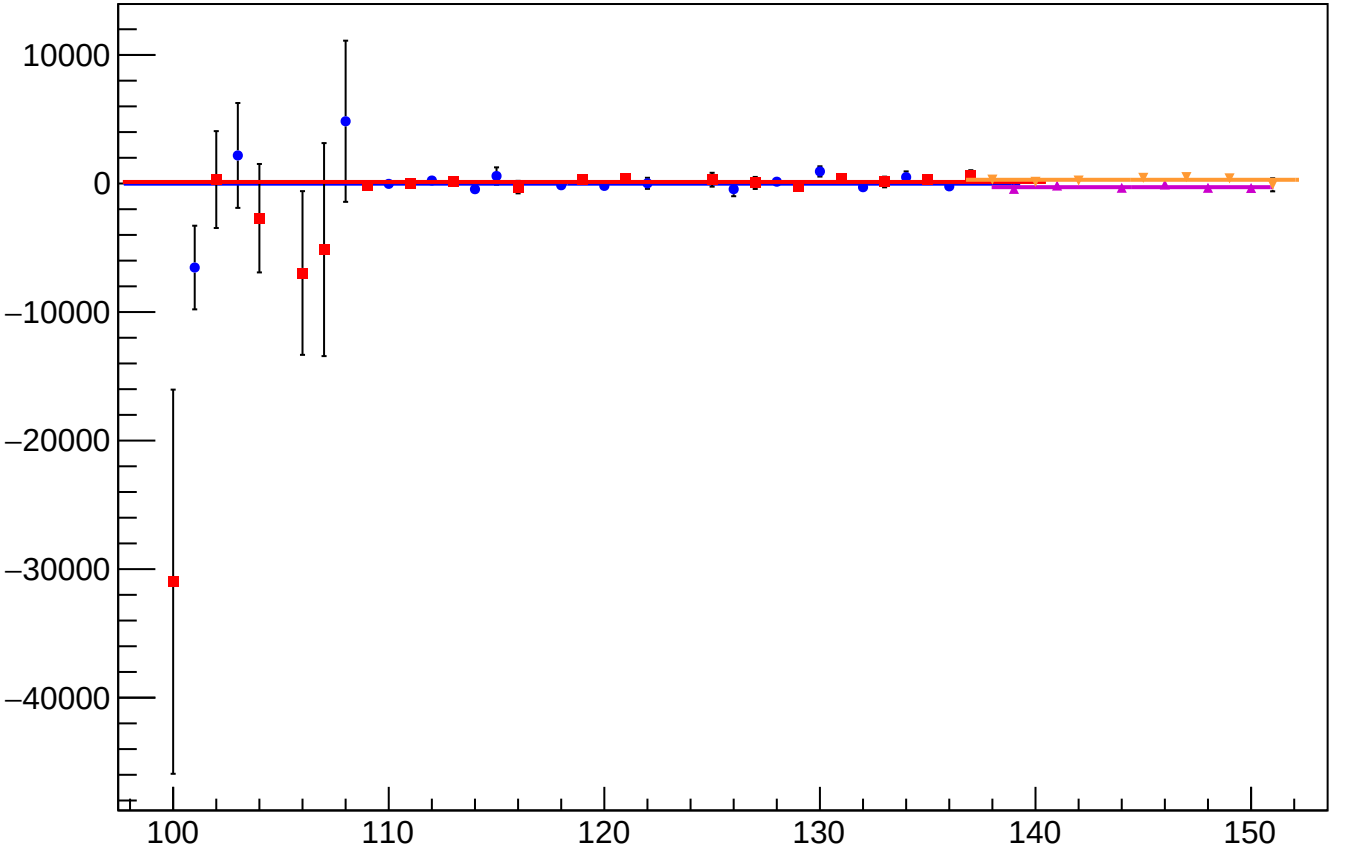
Left In: 24.855+/-0.008 χ^2/NDF:12233.3/5

+ sign 25.257+/-0.005 χ^2/NDF: 19822.5/22

All: 25.163+/-0.004 χ^2/NDF: 49294.2/46

- sign 25.070+/-0.005 χ^2/NDF: 28778.6/23

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 289.195+/-114.325 χ^2/NDF:1.7/6

Right Out: 119.984+/-78.247 χ^2/NDF: 14.4/17

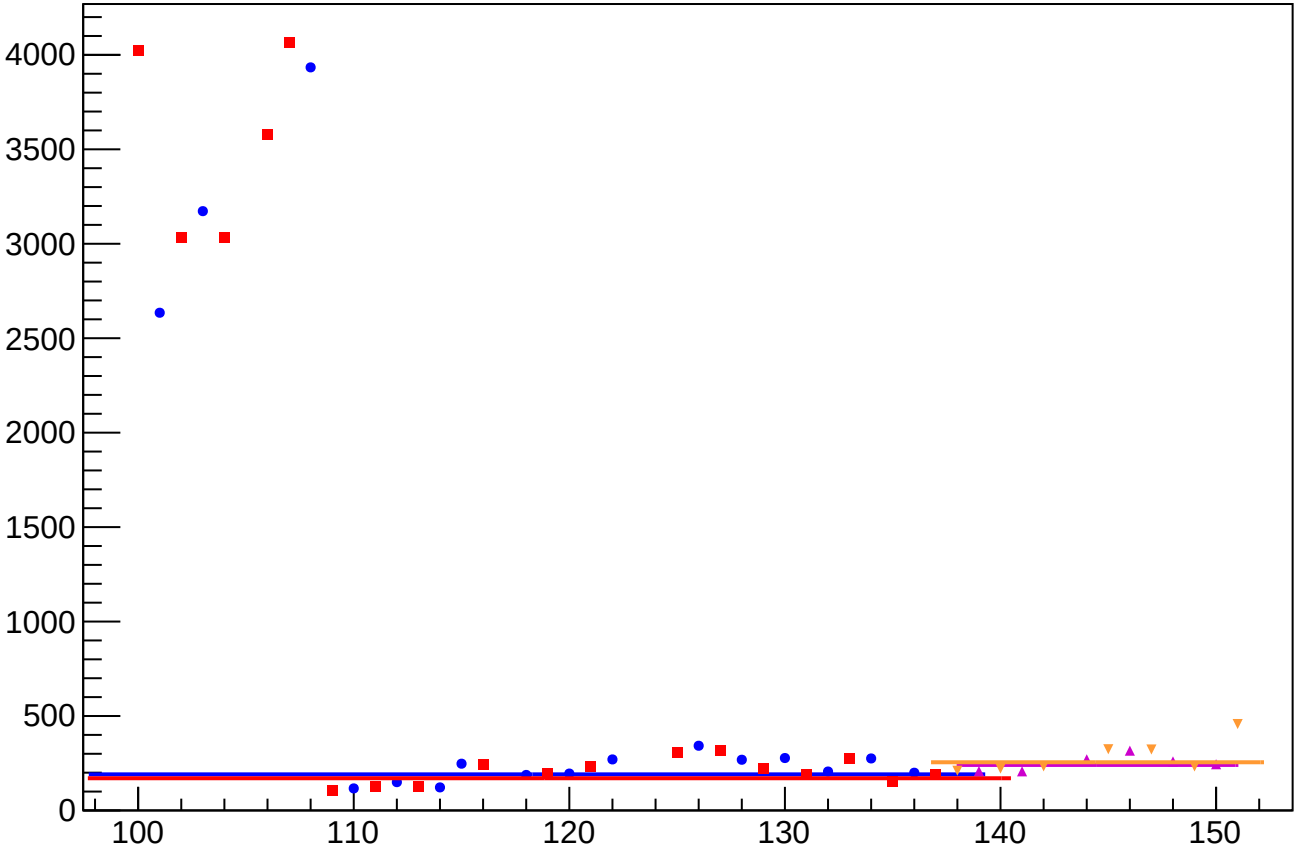
Left In: -285.232+/-107.208 χ^2/NDF:1.2/5

+ sign 93.586+/-67.929 χ^2/NDF: 24.6/22

All: 32.248+/-46.272 χ^2/NDF: 51.0/46

- sign -20.851+/-63.203 χ^2/NDF: 24.9/23

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 255.131+/-0.081 χ^2/NDF:590423.9/6

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

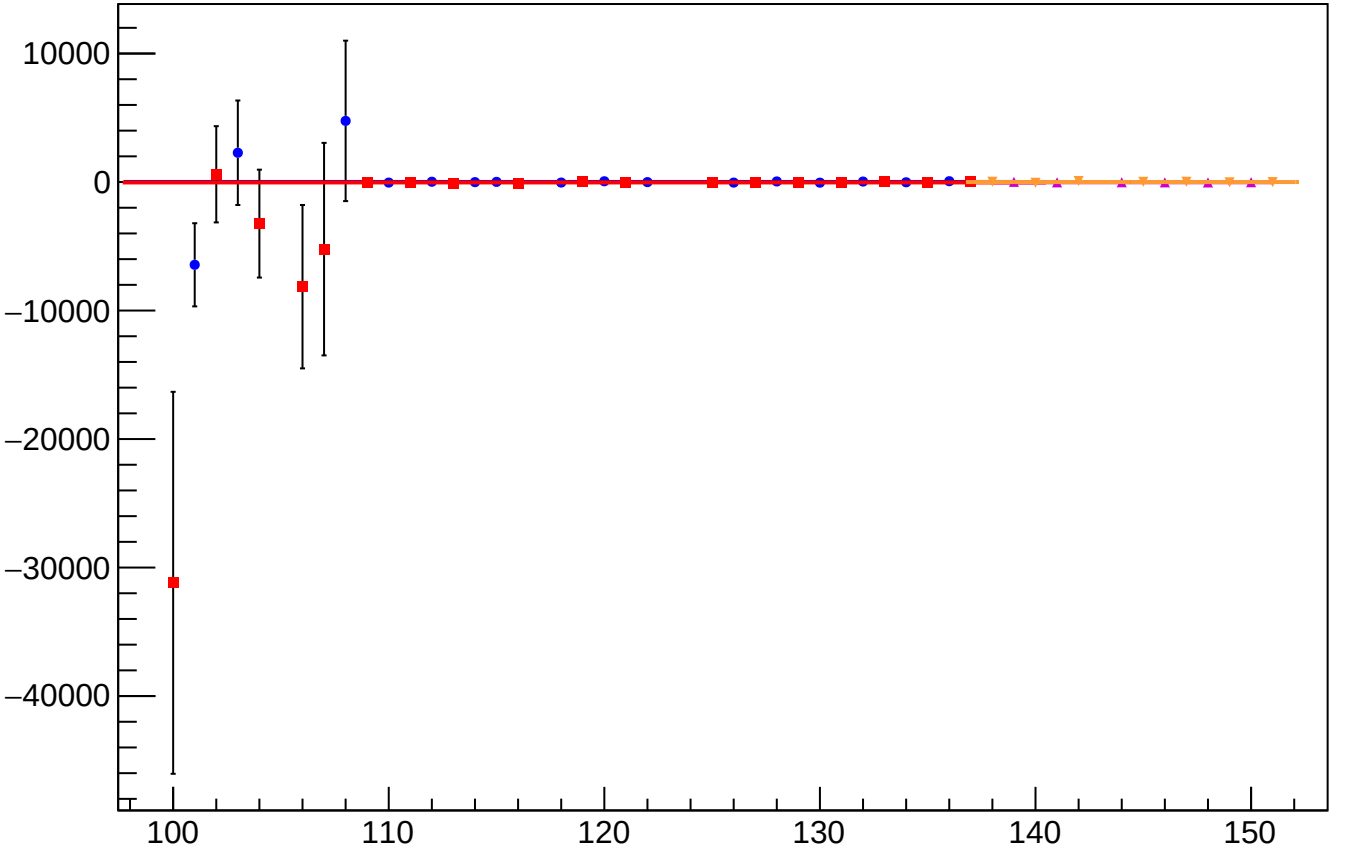
Left In: 241.031+/-0.076 χ^2/NDF:218013.3/5

+ sign 213.686+/-0.048 χ^2/NDF: 4830637.9/22

All: 203.676+/-0.033 χ^2/NDF: 9949385.8/46

- sign 195.009+/-0.045 χ^2/NDF: 5037708.9/23

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: 0.434+/-12.626 χ^2/NDF:8.2/6

Right Out: -30.740+/-12.084 χ^2/NDF: 19.9/17

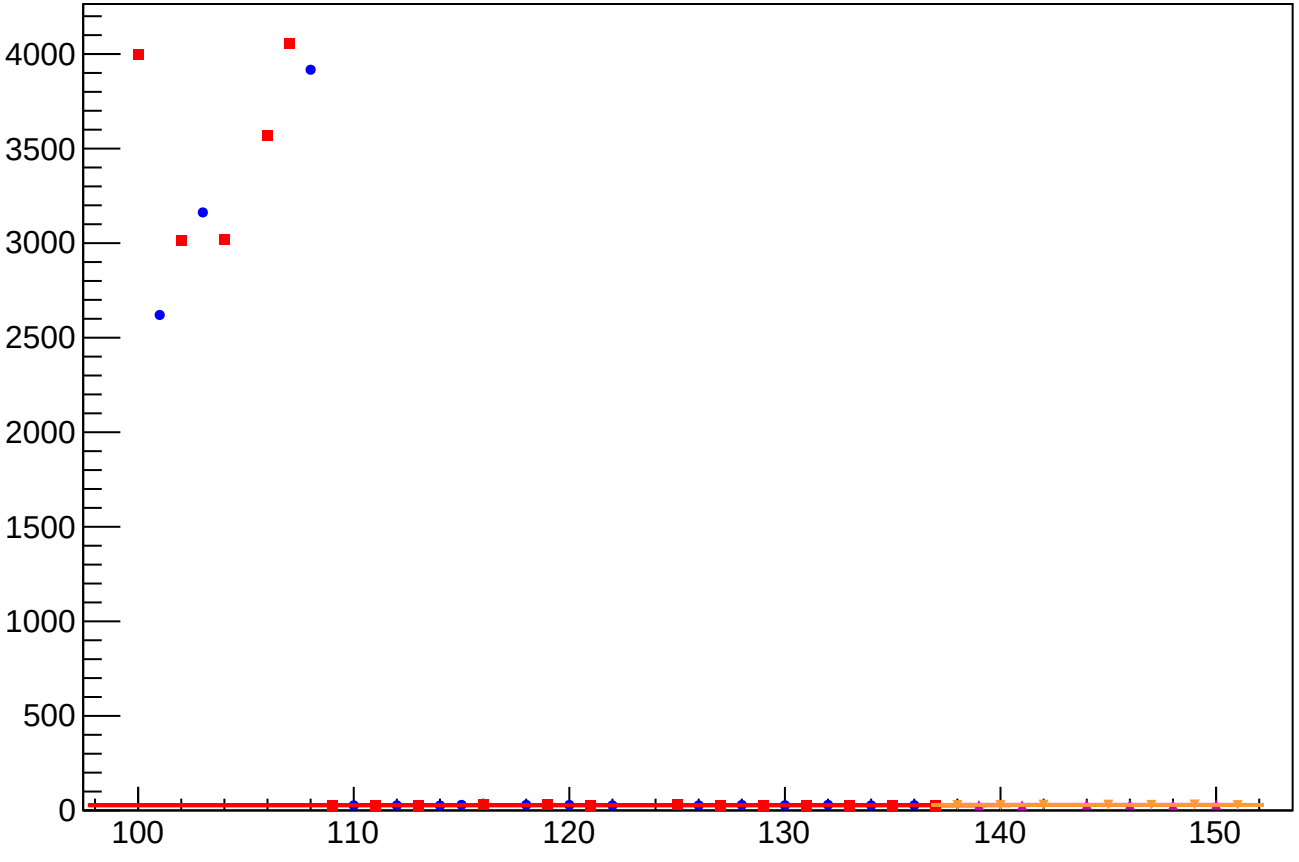
Left In: -15.708+/-12.860 χ^2/NDF:1.4/5

+ sign 3.676+/-8.607 χ^2/NDF: 26.7/22

All: -9.695+/-6.155 χ^2/NDF: 53.6/46

- sign -23.691+/-8.806 χ^2/NDF: 22.0/23

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 29.198+/-0.009 χ^2/NDF:16428.7/6

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

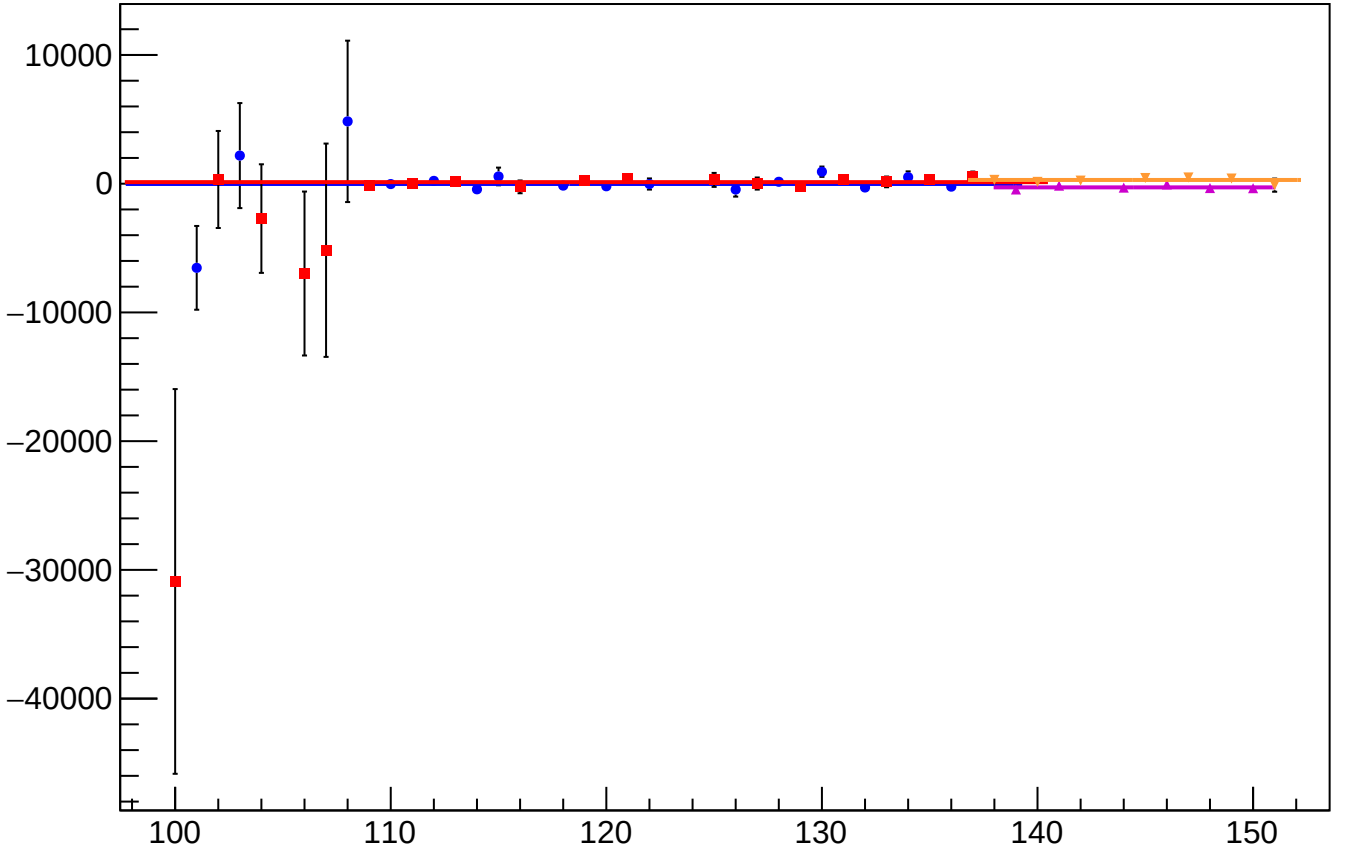
Left In: 29.422+/-0.009 χ^2/NDF:33748.4/5

+ sign 28.463+/-0.006 χ^2/NDF: 3294987.7/22

All: 28.505+/-0.004 χ^2/NDF: 6904585.7/46

- sign 28.549+/-0.006 χ^2/NDF: 3609500.4/23

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 290.335+/-114.820 χ^2/NDF:1.7/6

Right Out: 121.544+/-78.844 χ^2/NDF: 13.2/17

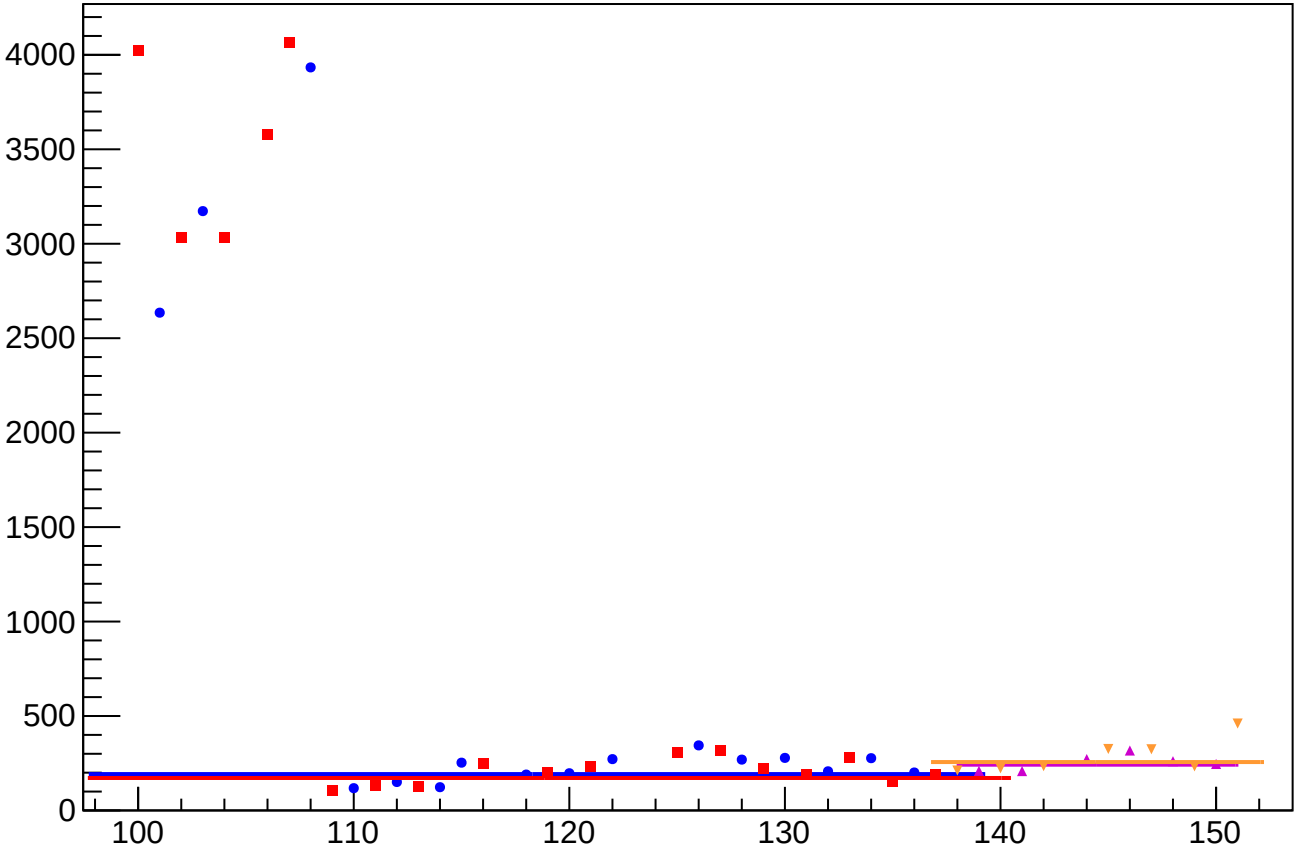
Left In: -285.496+/-107.757 χ^2/NDF:1.4/5

+ sign 90.278+/-68.350 χ^2/NDF: 24.5/22

All: 30.993+/-46.572 χ^2/NDF: 49.9/46

- sign -20.386+/-63.630 χ^2/NDF: 23.9/23

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 256.234+/-0.081 χ^2/NDF:590705.6/6

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

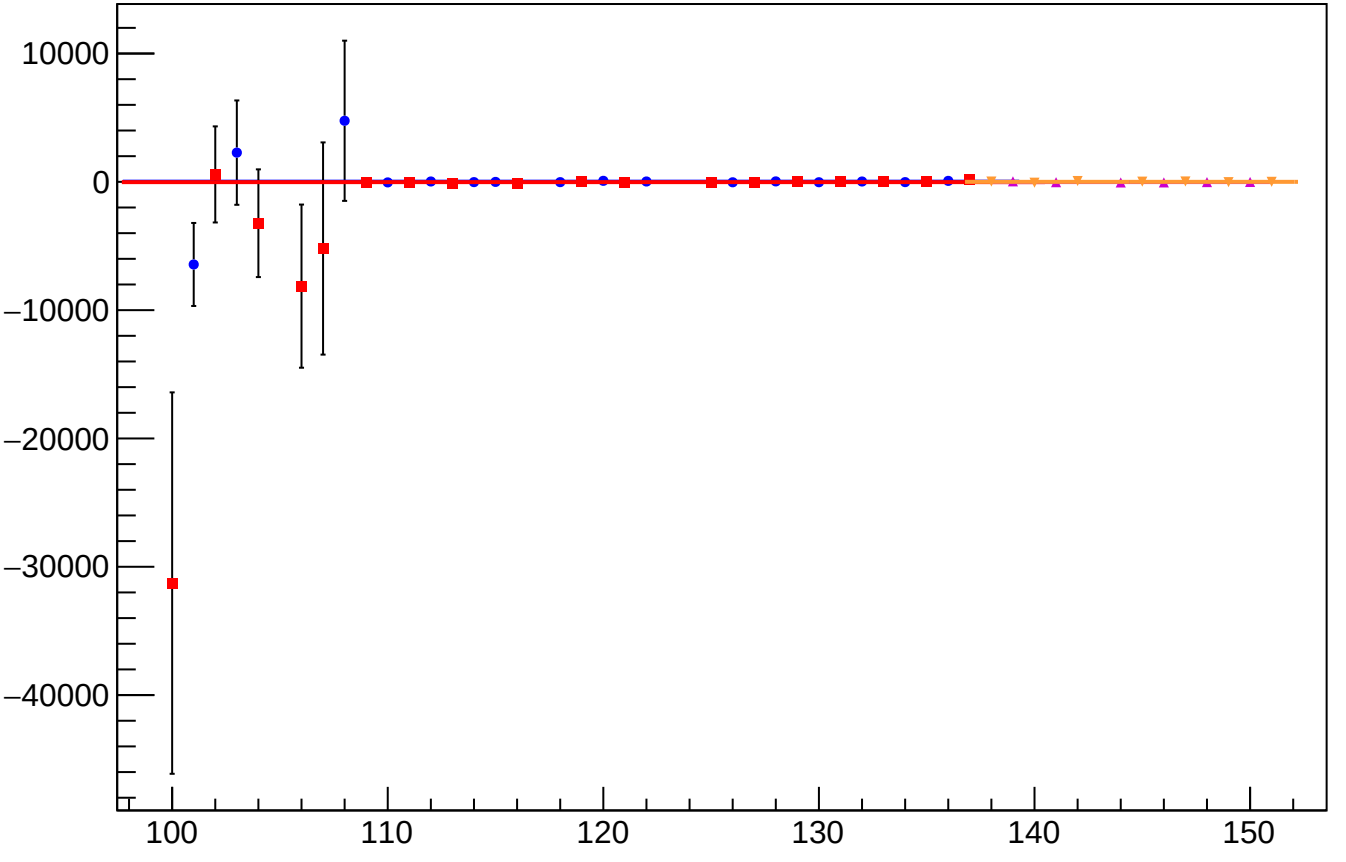
Left In: 242.307+/-0.076 χ^2/NDF:215156.2/5

+ sign 215.123+/-0.048 χ^2/NDF: 4810604.4/22

All: 205.119+/-0.033 χ^2/NDF: 9909672.4/46

- sign 196.449+/-0.045 χ^2/NDF: 5019091.6/23

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: 0.326+/-13.746 χ^2/NDF:7.3/6

Right Out: -21.906+/-13.382 χ^2/NDF: 28.4/17

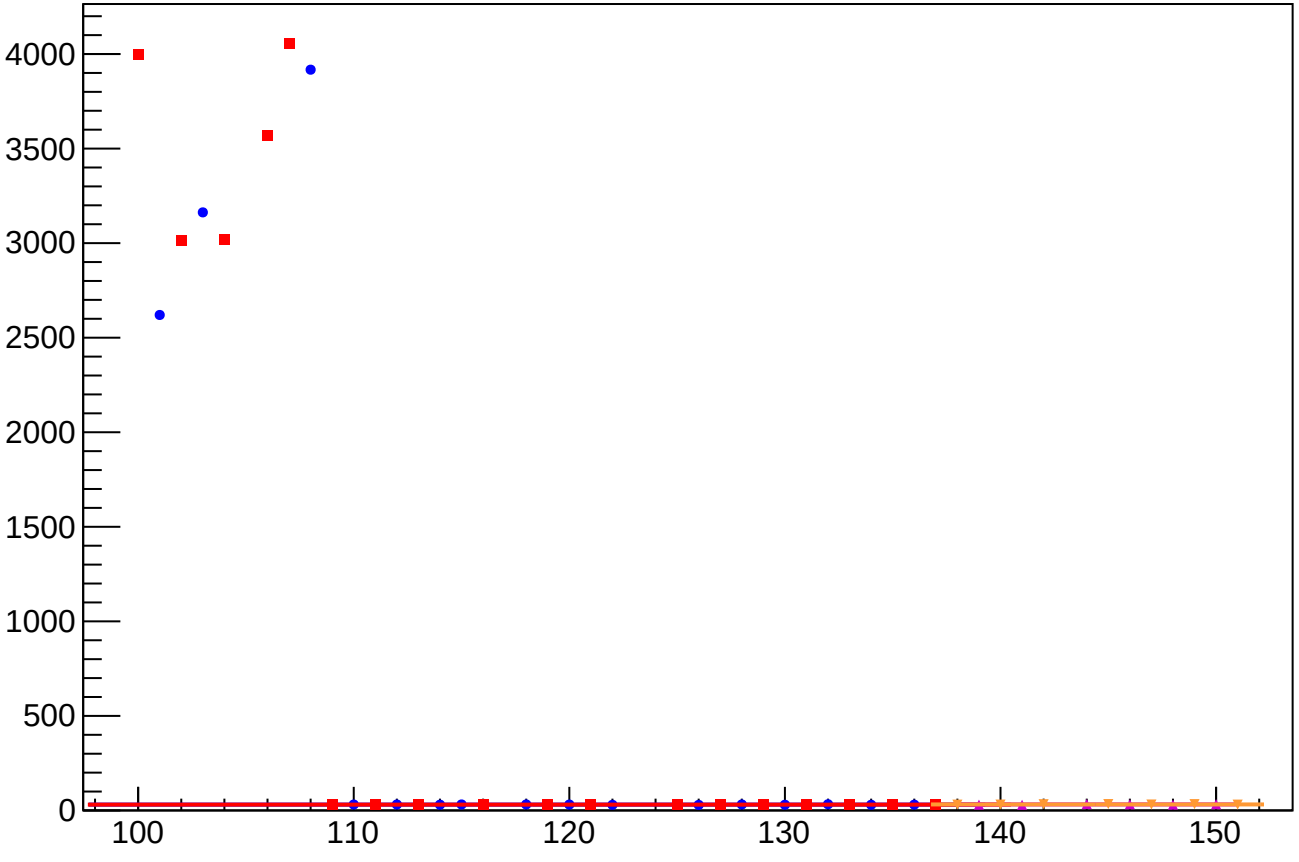
Left In: -17.032+/-13.920 χ^2/NDF:4.4/5

+ sign 7.361+/-9.469 χ^2/NDF: 23.2/22

All: -5.851+/-6.758 χ^2/NDF: 60.0/46

- sign -19.565+/-9.647 χ^2/NDF: 32.8/23

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.803+/-0.010 χ^2/NDF:15035.3/6

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

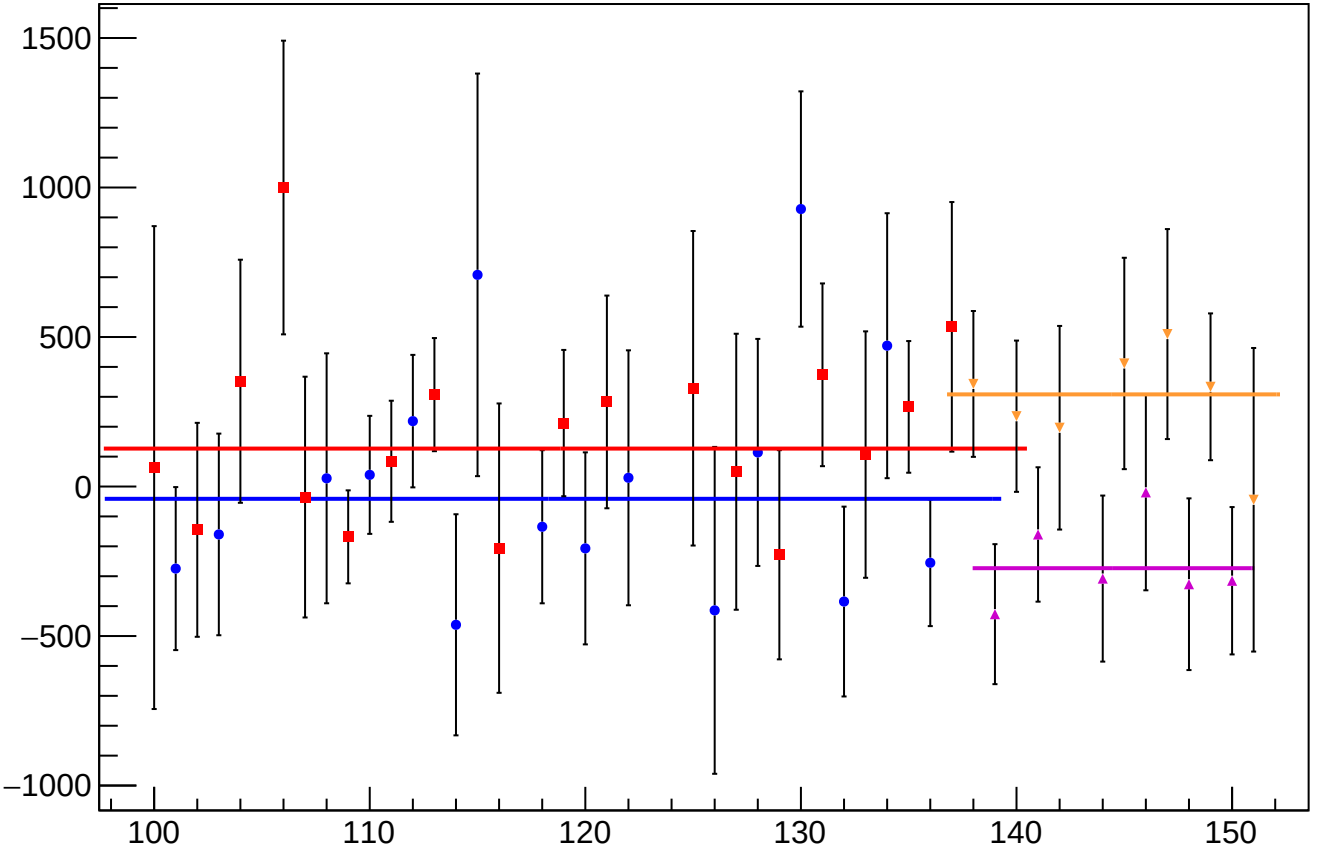
Left In: 31.886+/-0.010 χ^2/NDF:22049.5/5

\+ sign 31.343+/-0.007 χ^2/NDF: 3271893.1/22

All: 31.334+/-0.005 χ^2/NDF: 6836185.6/46

\- sign 31.324+/-0.007 χ^2/NDF: 3564288.4/23

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 308.158+/-113.479 χ^2/NDF:1.1/6

Right Out: 126.896+/-69.382 χ^2/NDF: 12.8/17

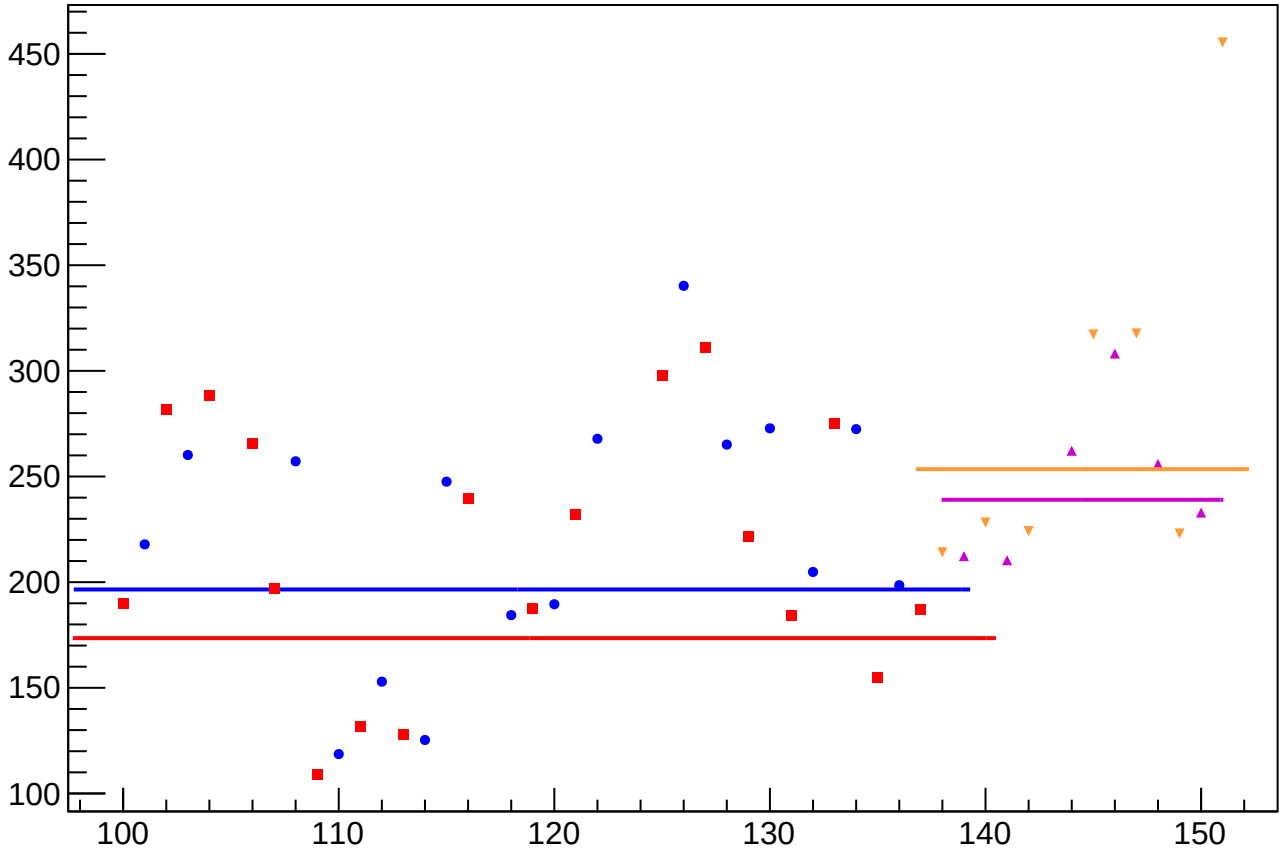
Left In: -273.121+/-106.034 χ^2/NDF:1.4/5

\+ sign 69.271+/-63.795 χ^2/NDF: 23.2/22

All: 35.194+/-42.939 χ^2/NDF: 47.8/46

\- sign 6.971+/-58.058 χ^2/NDF: 24.1/23

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 253.481+/-0.080 χ^2/NDF:566108.0/6

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

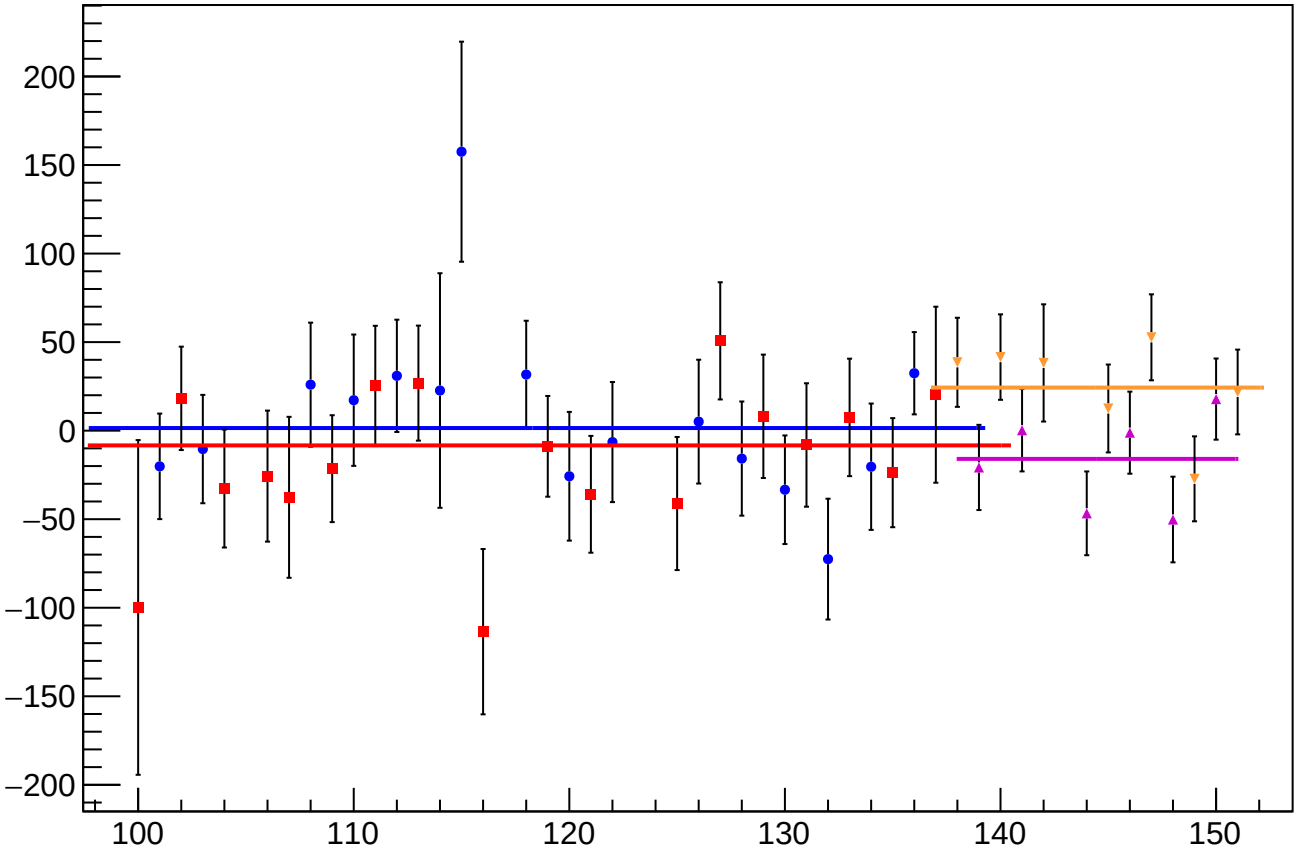
Left In: 238.999+/-0.075 χ^2/NDF:169817.1/5

+ sign 214.537+/-0.045 χ^2/NDF: 1911264.3/22

All: 202.835+/-0.030 χ^2/NDF: 4271034.3/46

- sign 193.143+/-0.041 χ^2/NDF: 2236735.4/23

asym_bcm_dg_us_an_us_dd_mean vs Slug



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 24.324+/-9.528 χ^2/NDF:7.2/6

Right Out: -8.329+/-8.286 χ^2/NDF: 16.0/17

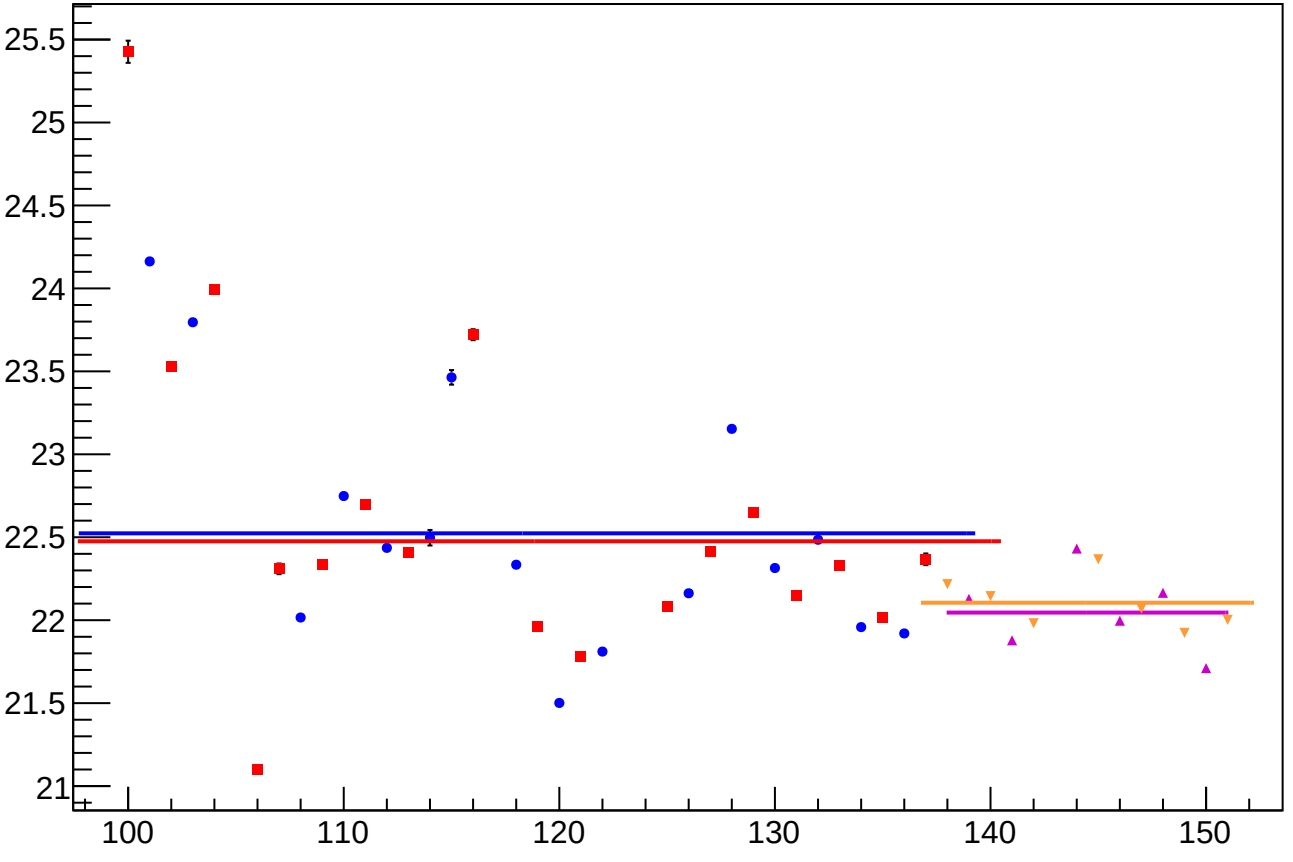
Left In: -15.950+/-9.604 χ^2/NDF:6.8/5

+ sign 11.428+/-6.288 χ^2/NDF: 29.1/22

All: -0.103+/-4.441 χ^2/NDF: 59.0/46

- sign -11.581+/-6.274 χ^2/NDF: 23.2/23

asym_bcm_dg_us_an_us_dd_rms vs Slug



Right In: 22.524+/-0.006 χ^2/NDF: 15947.8/15

Left Out: 22.105+/-0.007 χ^2/NDF:452.0/6

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

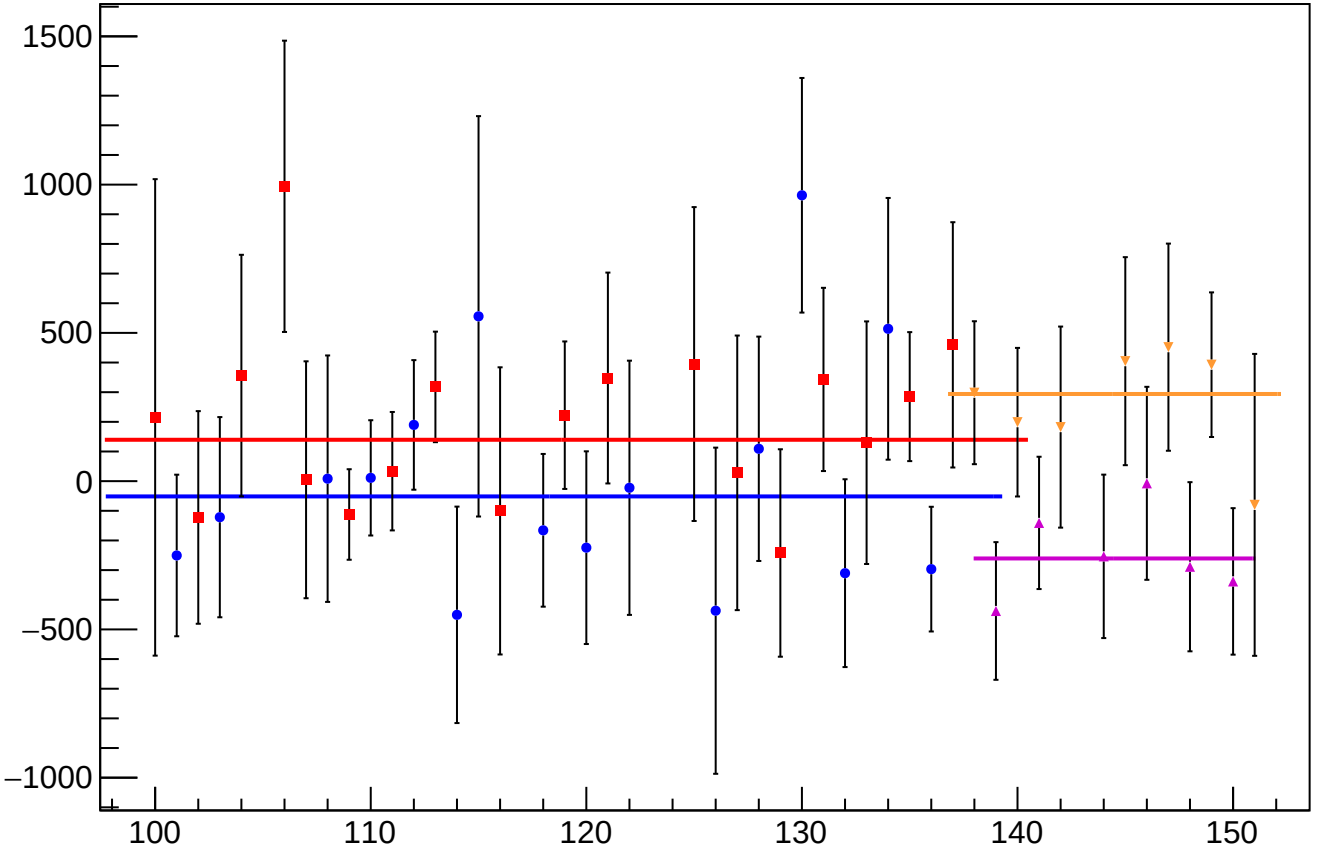
Left In: 22.046+/-0.007 χ^2/NDF:1144.1/5

\+ sign 22.341+/-0.004 χ^2/NDF: 18575.3/22

All: 22.317+/-0.003 χ^2/NDF: 37612.7/46

\- sign 22.292+/-0.004 χ^2/NDF: 18976.4/23

asym_bcm_dg_ds_an_us_avg_mean vs Slug



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 293.941+/-112.625 χ^2/NDF:1.3/6

Right Out: 139.546+/-68.888 χ^2/NDF: 11.6/17

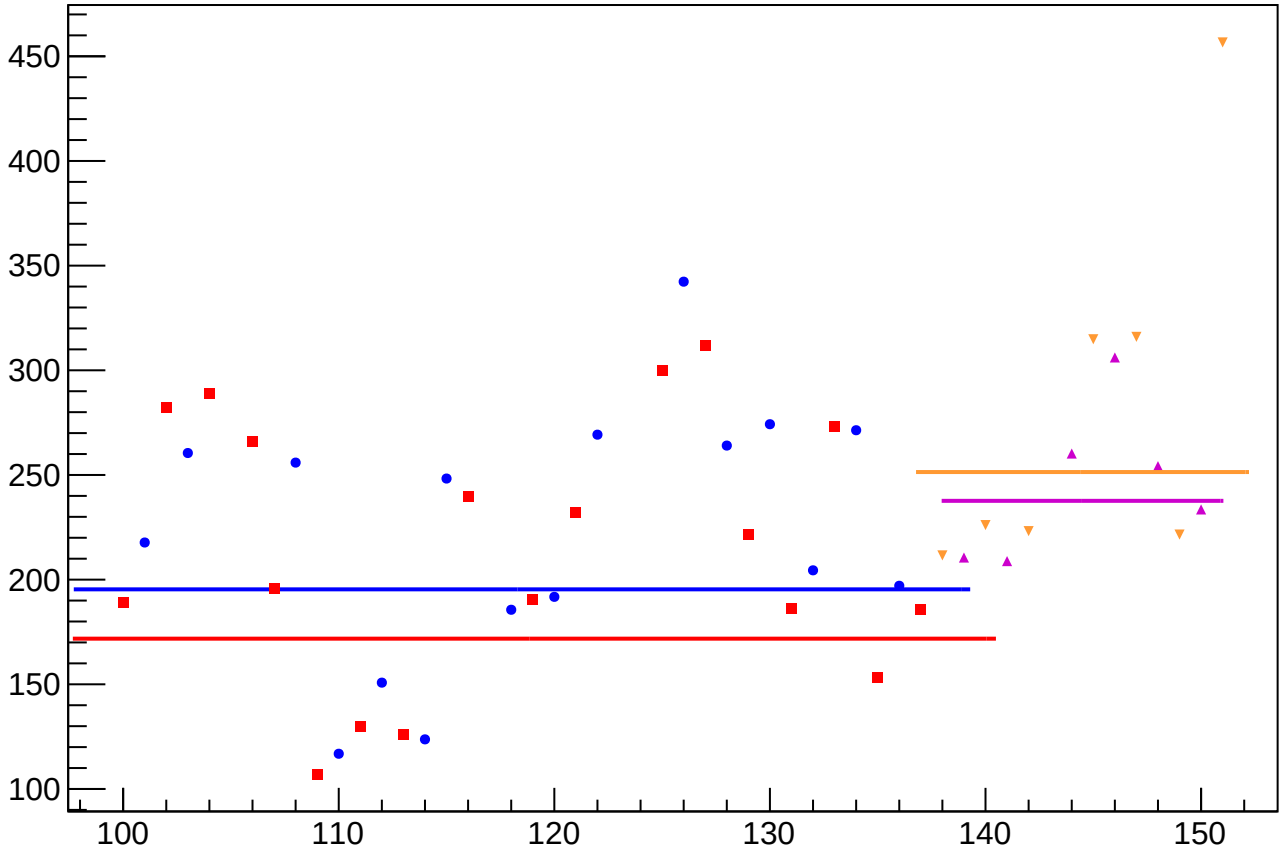
Left In: -260.731+/-105.446 χ^2/NDF:1.6/5

+ sign 58.146+/-63.450 χ^2/NDF: 23.0/22

All: 37.153+/-42.677 χ^2/NDF: 46.5/46

- sign 19.809+/-57.672 χ^2/NDF: 23.2/23

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 251.398+/-0.080 χ^2/NDF:577660.2/6

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

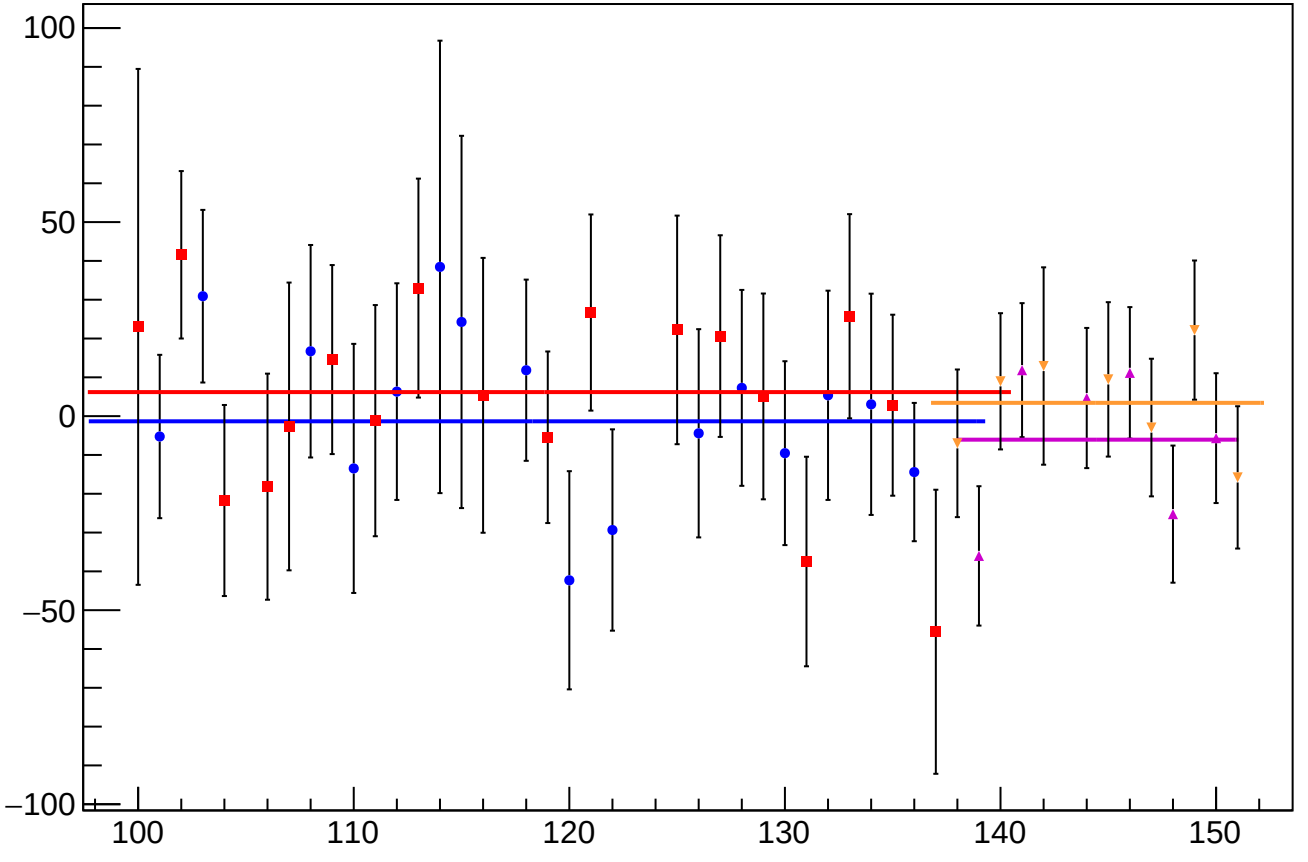
Left In: 237.641+/-0.075 χ^2/NDF:169884.4/5

+ sign 213.147+/-0.045 χ^2/NDF: 1957068.6/22

All: 201.292+/-0.030 χ^2/NDF: 4401528.0/46

- sign 191.499+/-0.041 χ^2/NDF: 2316971.6/23

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 3.427+/-7.189 χ^2/NDF:3.0/6

Right Out: 6.195+/-6.473 χ^2/NDF: 13.5/17

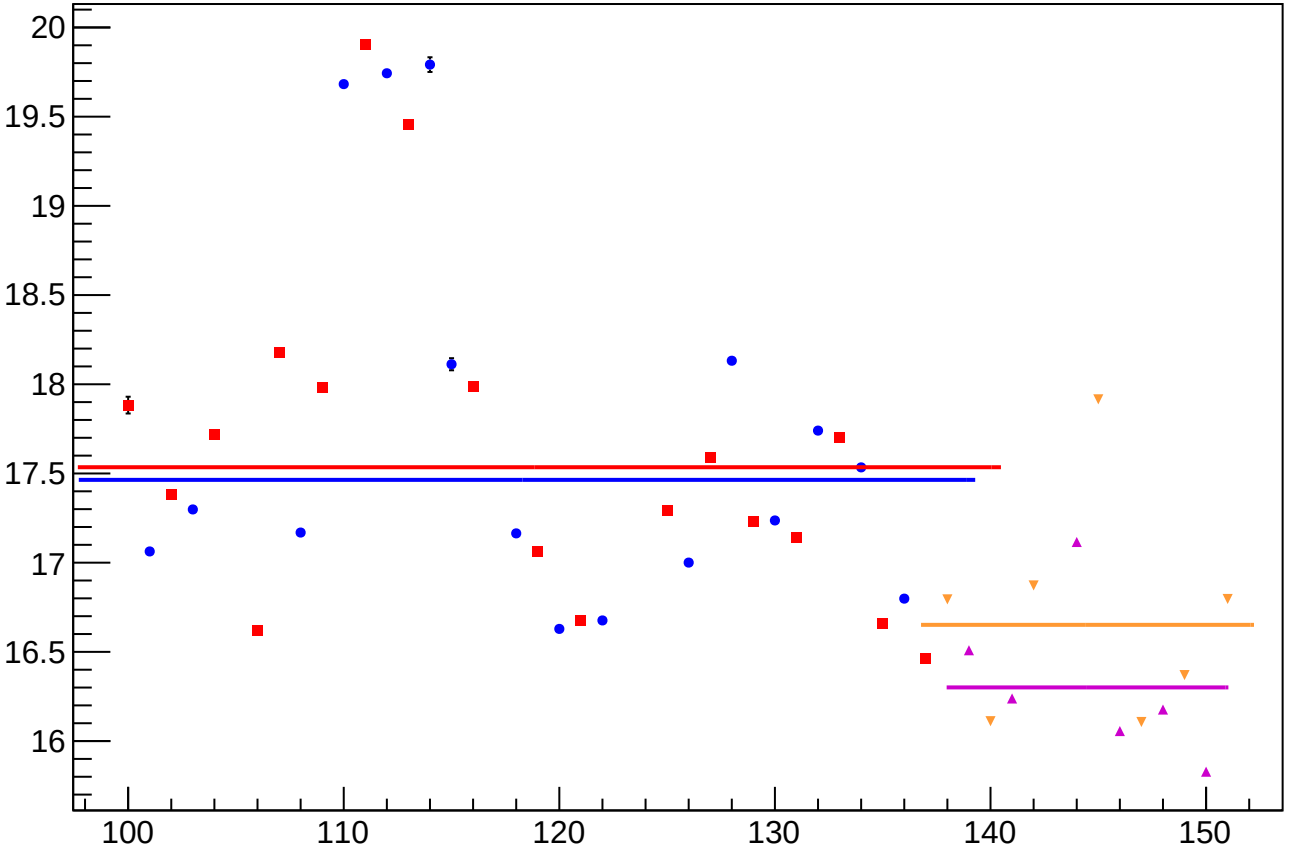
Left In: -6.063+/-7.110 χ^2/NDF:6.4/5

\+ sign 0.808+/-4.821 χ^2/NDF: 11.2/22

All: 0.724+/-3.397 χ^2/NDF: 32.7/46

\- sign 0.640+/-4.786 χ^2/NDF: 21.5/23

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.651+/-0.005 χ^2/NDF:12735.6/6

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

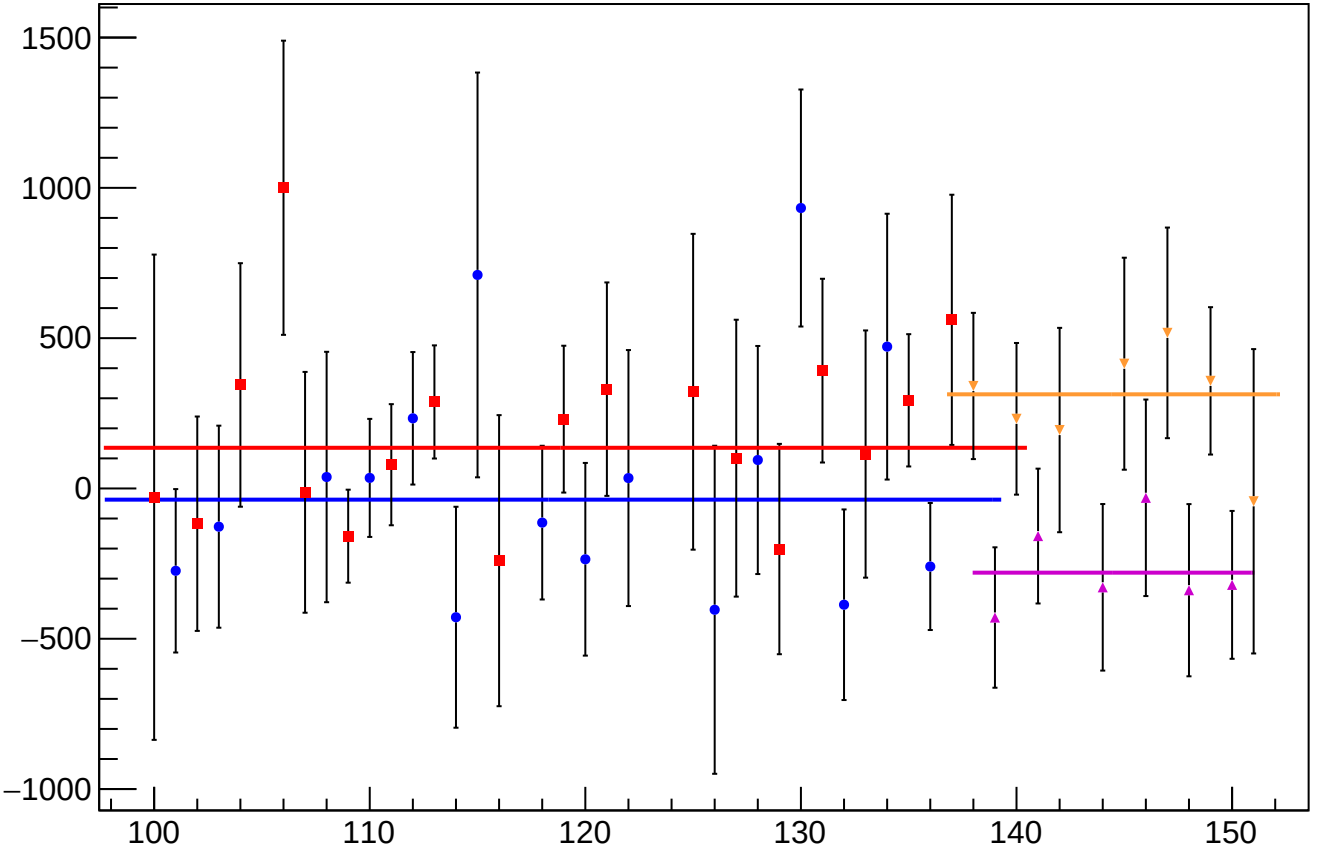
Left In: 16.301+/-0.005 χ^2/NDF:6480.4/5

+ sign 17.099+/-0.003 χ^2/NDF: 63449.5/22

All: 17.037+/-0.002 χ^2/NDF: 138018.3/46

- sign 16.976+/-0.003 χ^2/NDF: 73912.3/23

asym_bcm_dg_us_an_ds_avg_mean vs Slug



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 313.170+/-113.230 χ^2/NDF:1.2/6

Right Out: 135.279+/-69.157 χ^2/NDF: 12.8/17

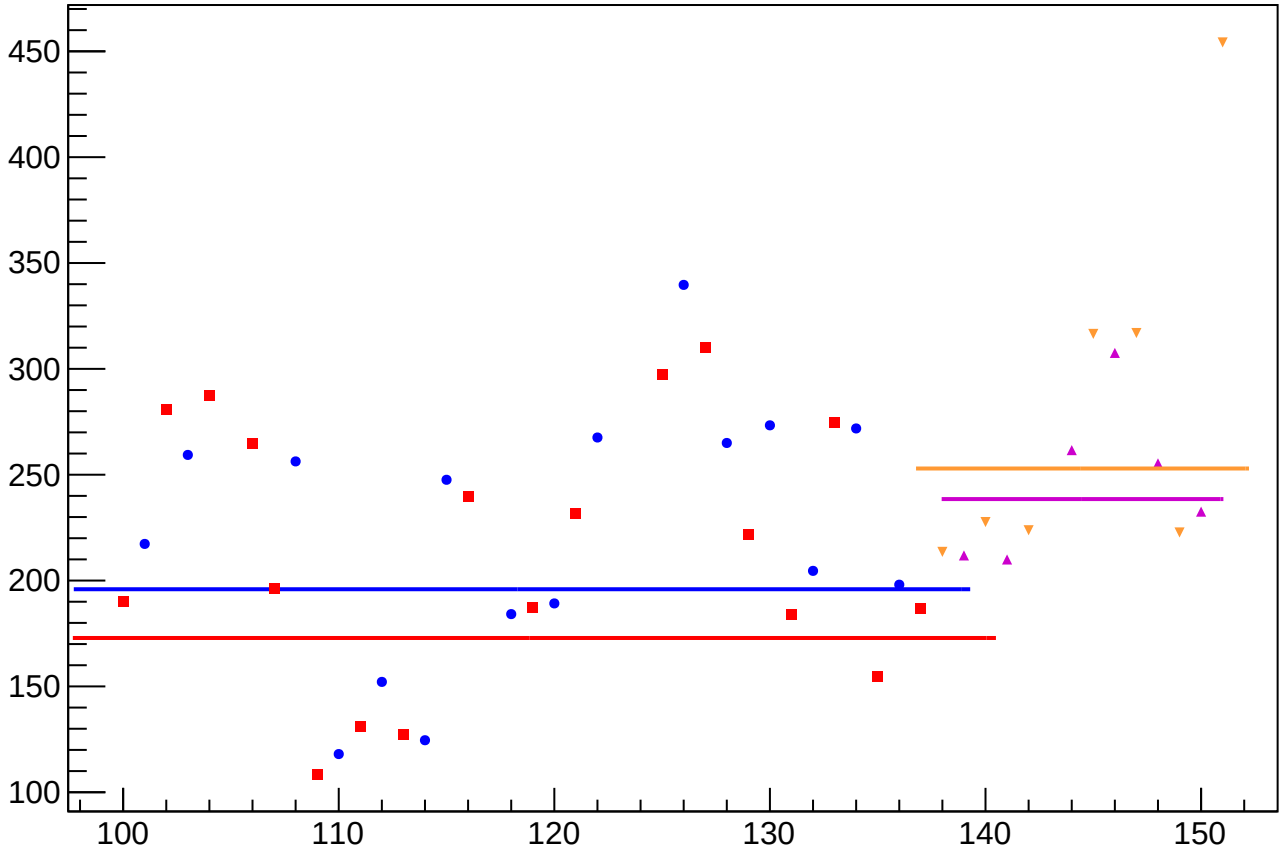
Left In: -280.140+/-105.809 χ^2/NDF:1.4/5

+ sign 73.397+/-63.624 χ^2/NDF: 23.4/22

All: 39.223+/-42.818 χ^2/NDF: 48.9/46

- sign 10.933+/-57.889 χ^2/NDF: 25.0/23

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 252.932+/-0.080 χ^2/NDF:565477.6/6

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

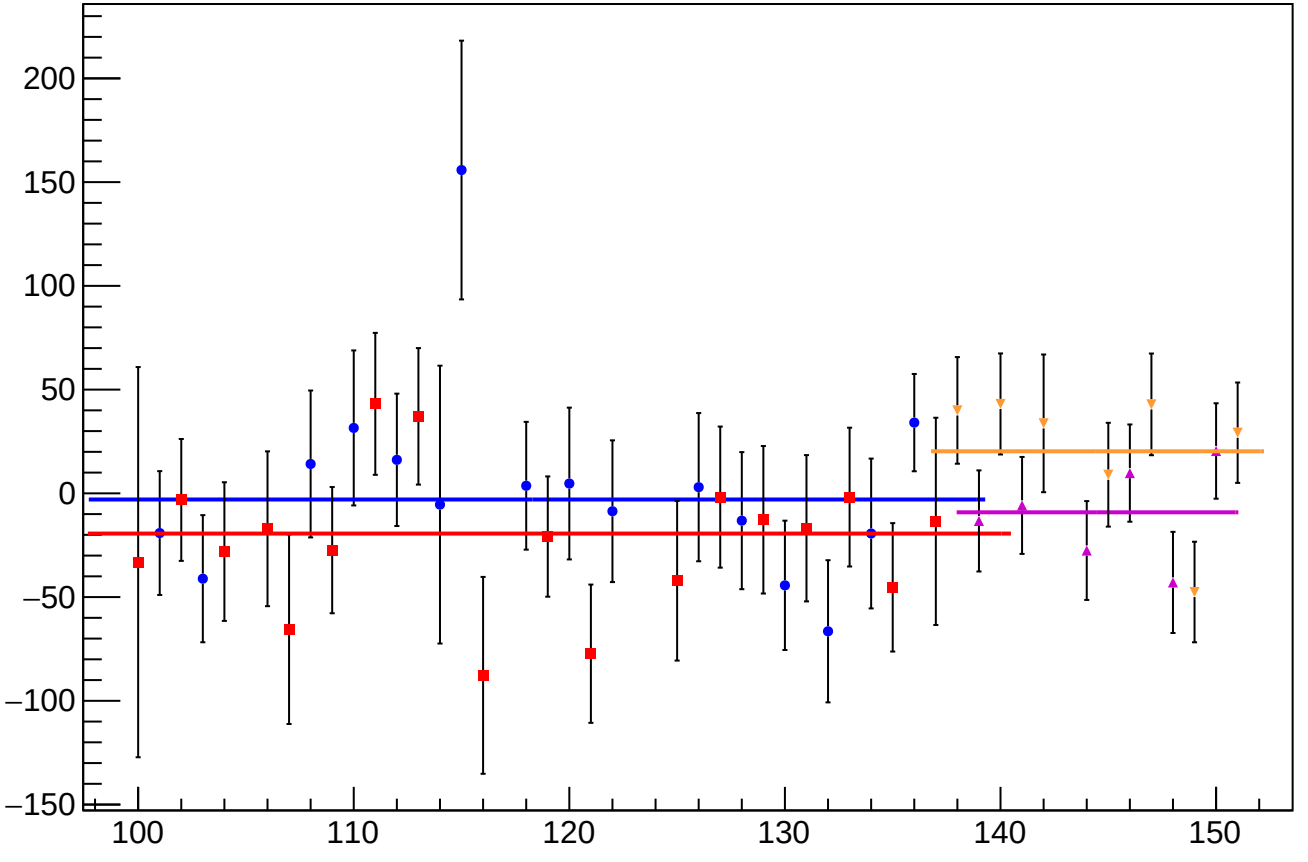
Left In: 238.492+/-0.075 χ^2/NDF:169648.3/5

+ sign 213.907+/-0.045 χ^2/NDF: 1923686.2/22

All: 202.203+/-0.030 χ^2/NDF: 4299255.1/46

- sign 192.514+/-0.041 χ^2/NDF: 2251870.2/23

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 20.273+/-9.629 χ^2/NDF:10.7/6

Right Out: -19.387+/-8.381 χ^2/NDF: 14.5/17

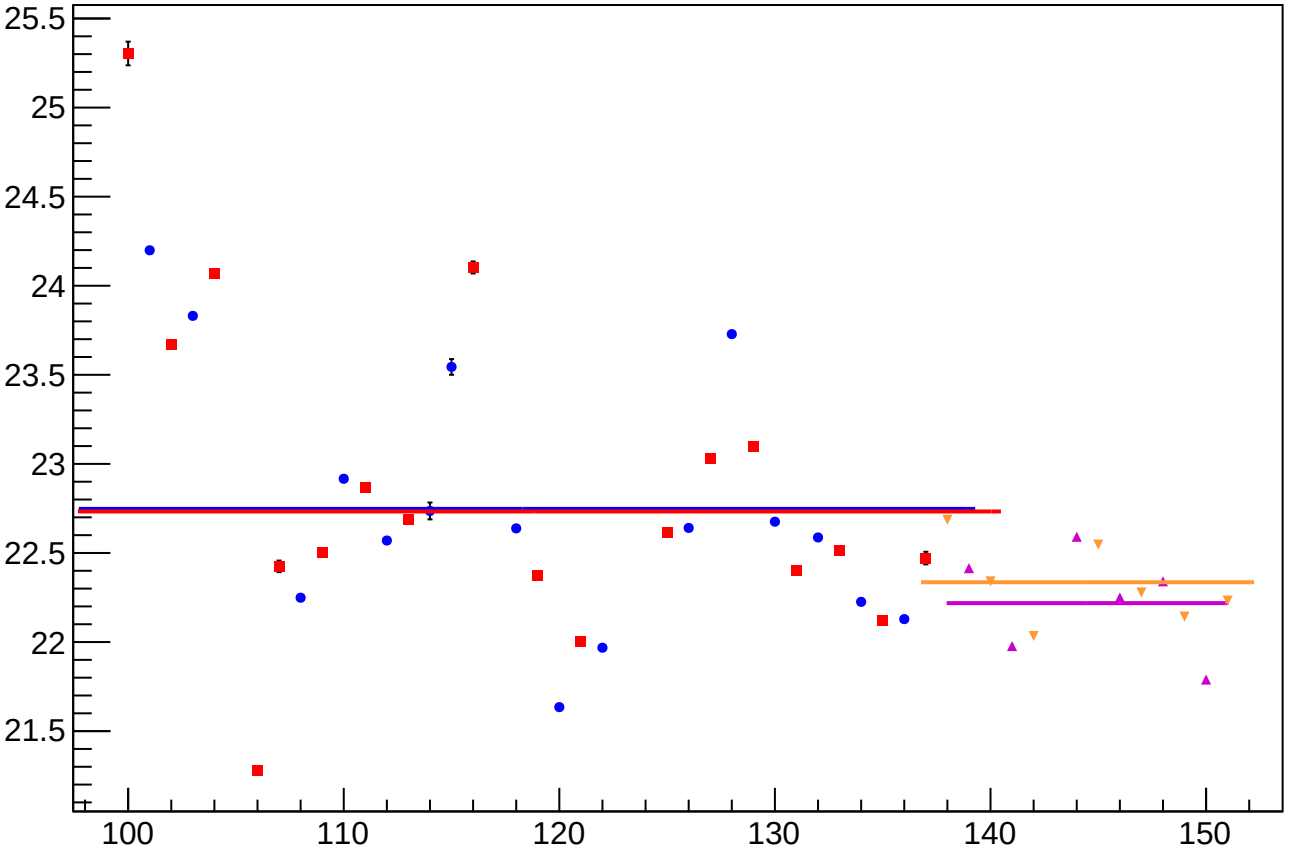
Left In: -9.139+/-9.680 χ^2/NDF:4.9/5

+ sign 7.149+/-6.353 χ^2/NDF: 31.9/22

All: -3.952+/-4.486 χ^2/NDF: 58.0/46

- sign -14.996+/-6.336 χ^2/NDF: 20.0/23

asym_bcm_dg_us_an_ds_dd_rms vs Slug



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.336+/-0.007 χ^2/NDF:854.3/6

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

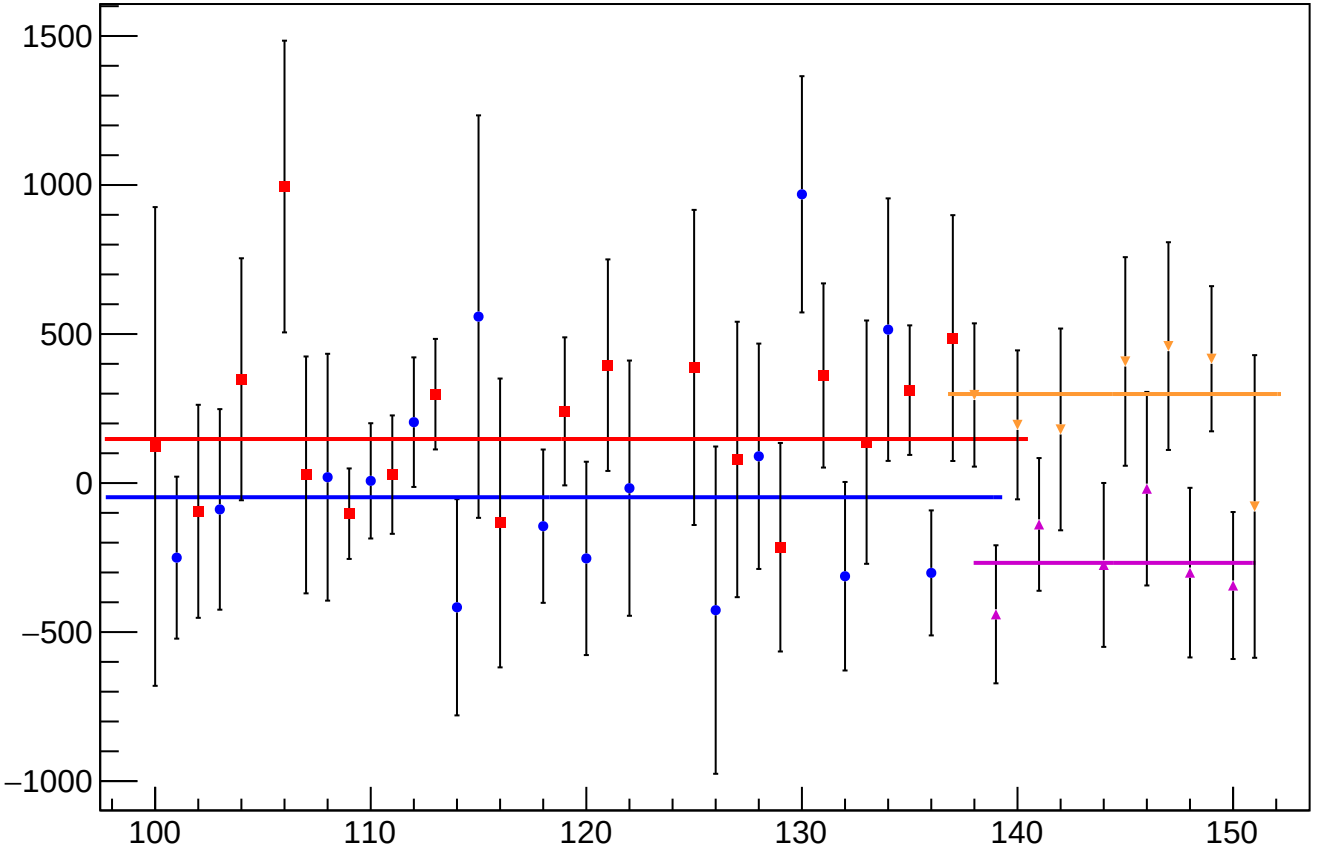
Left In: 22.219+/-0.007 χ^2/NDF:1581.3/5

+ sign 22.568+/-0.004 χ^2/NDF: 17540.9/22

All: 22.540+/-0.003 χ^2/NDF: 36817.2/46

- sign 22.513+/-0.004 χ^2/NDF: 19199.0/23

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 298.743+/-112.376 χ^2/NDF:1.4/6

Right Out: 147.812+/-68.660 χ^2/NDF: 11.5/17

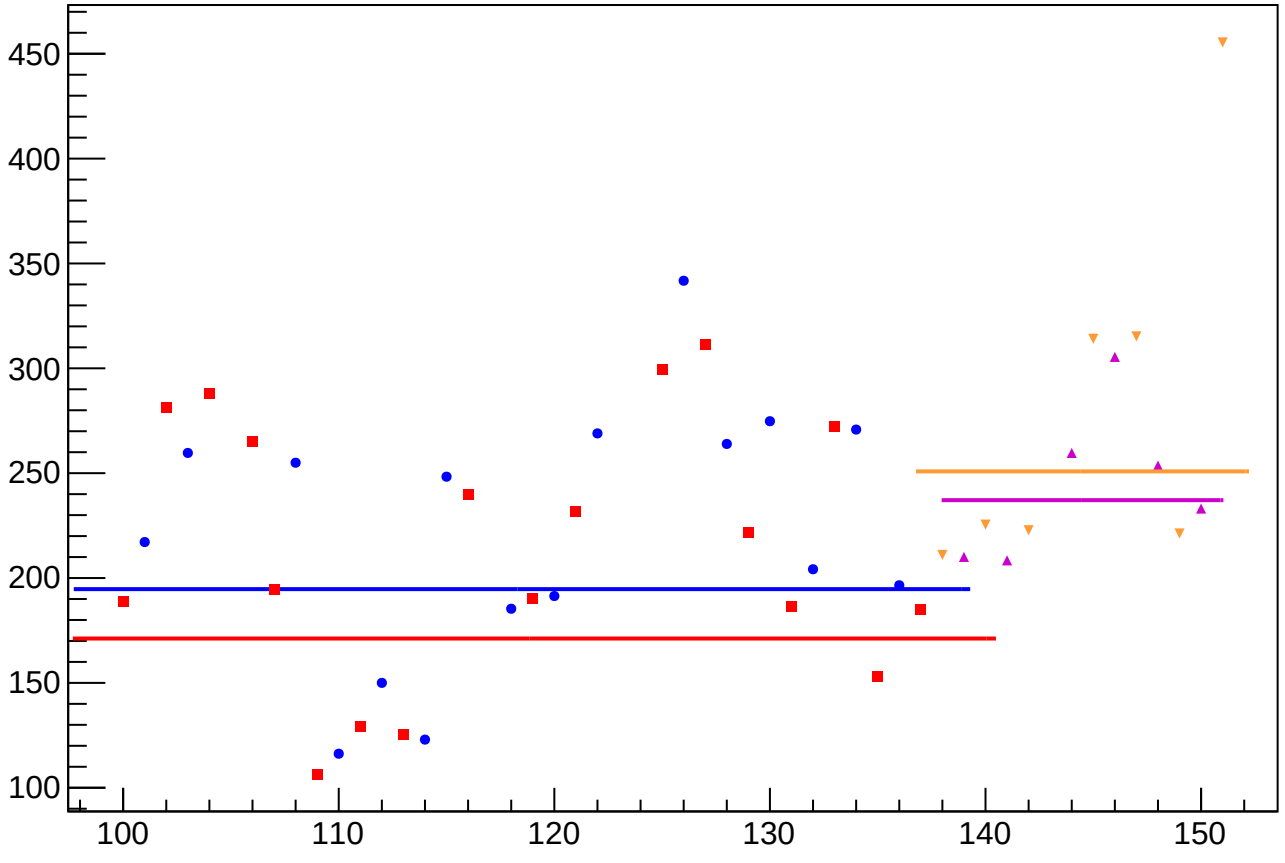
Left In: -267.781+/-105.220 χ^2/NDF:1.6/5

\+ sign 62.269+/-63.278 χ^2/NDF: 23.3/22

All: 41.143+/-42.555 χ^2/NDF: 47.5/46

\- sign 23.699+/-57.500 χ^2/NDF: 24.1/23

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 250.848+/-0.079 χ^2/NDF:577082.4/6

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

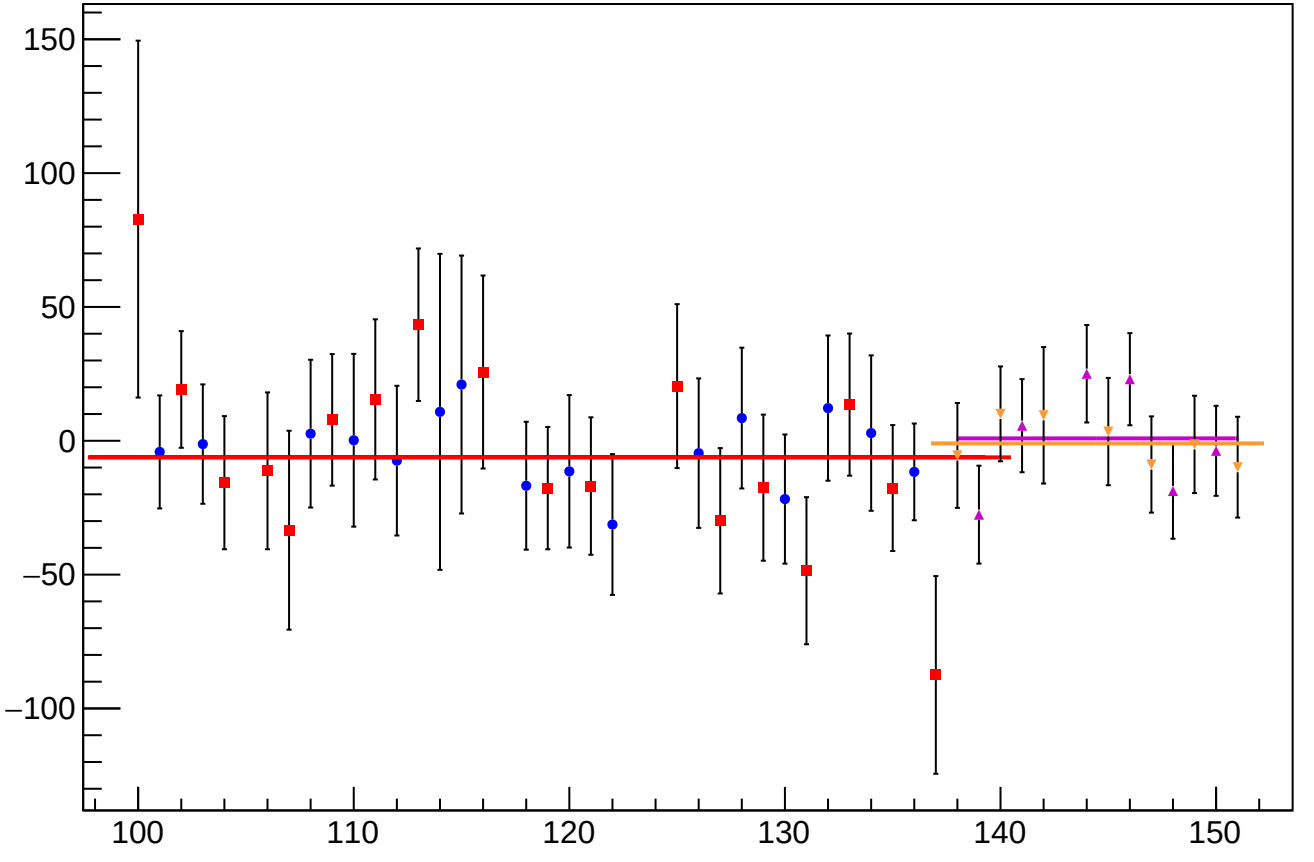
Left In: 237.131+/-0.074 χ^2/NDF:169740.2/5

+ sign 212.509+/-0.045 χ^2/NDF: 1970258.5/22

All: 200.651+/-0.030 χ^2/NDF: 4431645.0/46

- sign 190.859+/-0.041 χ^2/NDF: 2333157.8/23

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: -0.976+/-7.302 χ^2/NDF:1.1/6

Right Out: -6.195+/-6.580 χ^2/NDF: 18.6/17

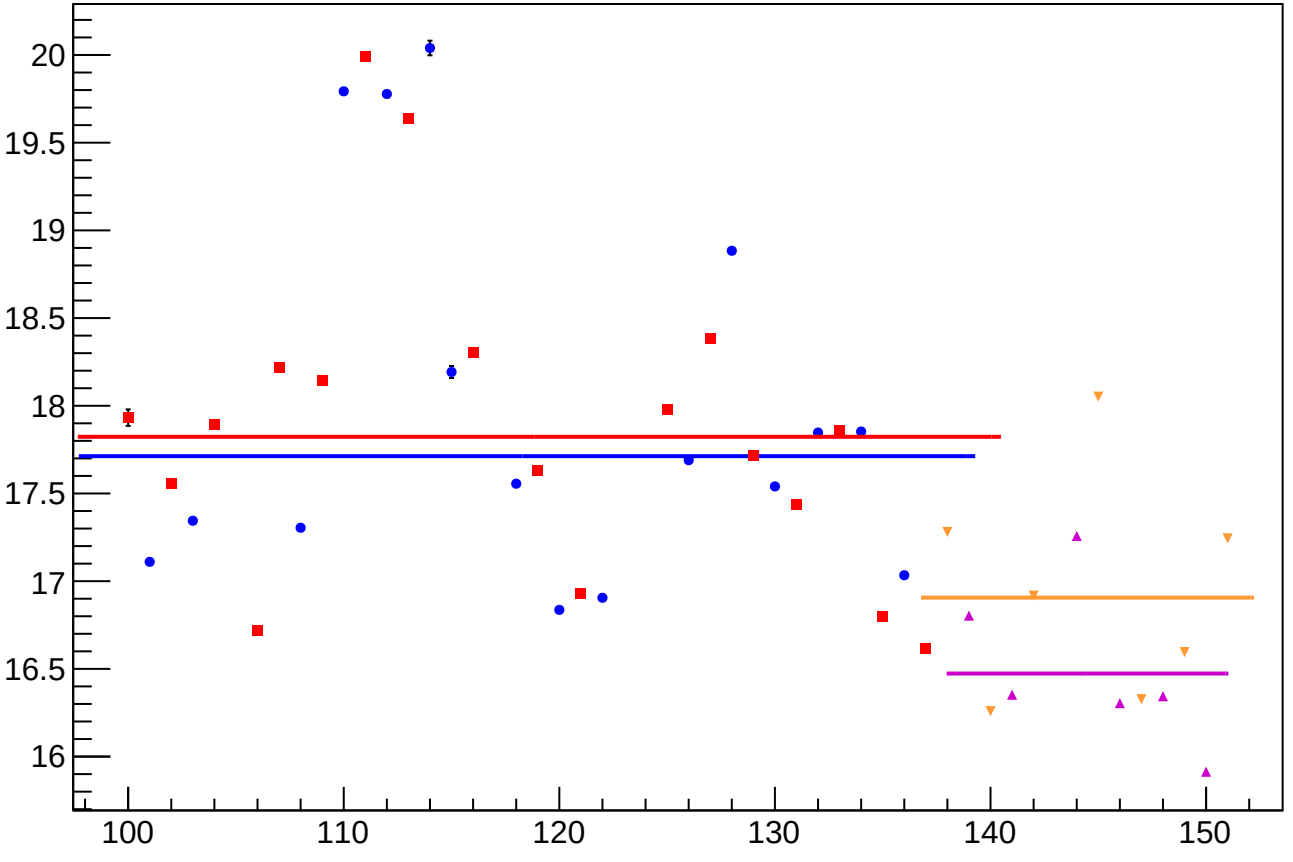
Left In: 0.892+/-7.187 χ^2/NDF:7.2/5

+ sign -3.810+/-4.893 χ^2/NDF: 4.5/22

All: -3.383+/-3.446 χ^2/NDF: 30.8/46

- sign -2.963+/-4.853 χ^2/NDF: 26.4/23

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.906+/-0.005 χ^2/NDF:13238.3/6

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

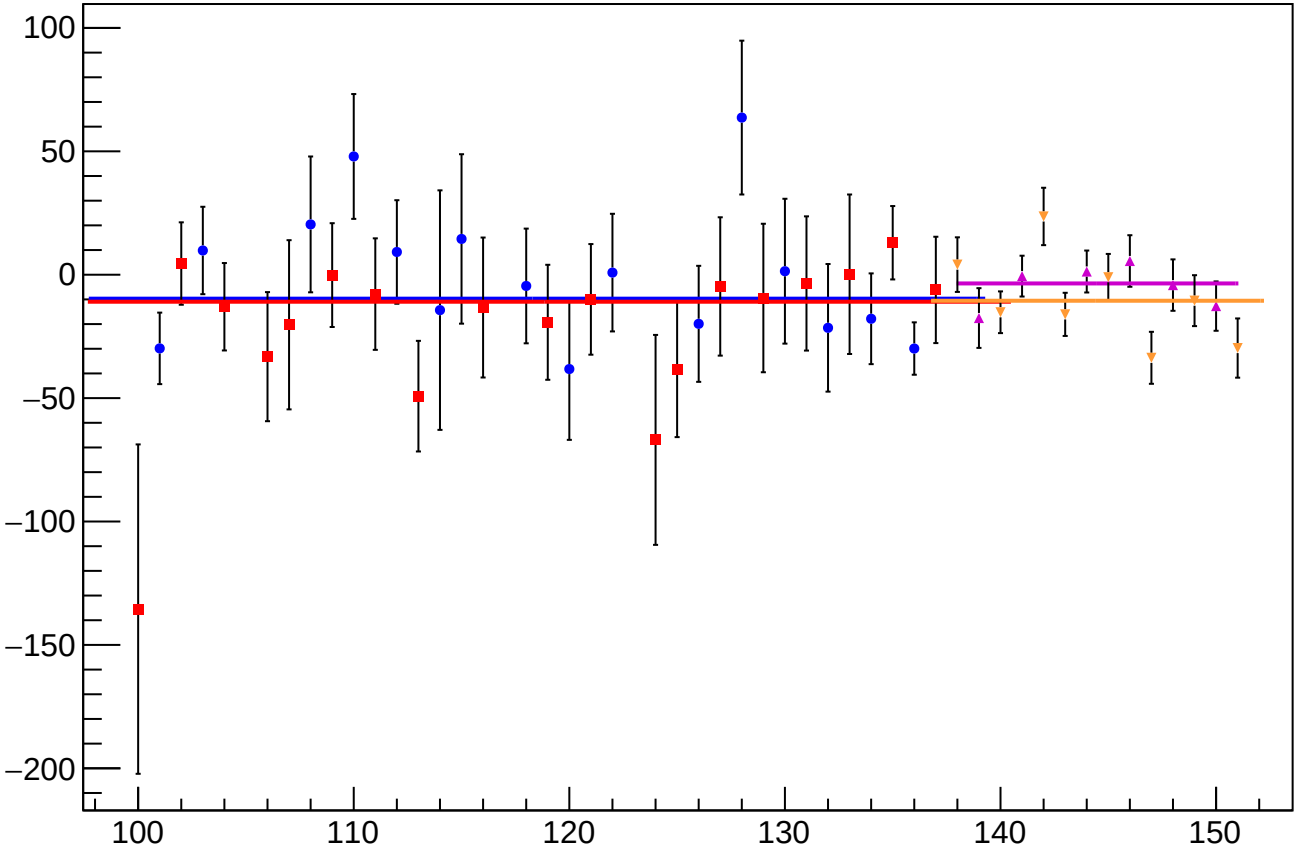
Left In: 16.473+/-0.005 χ^2/NDF:6971.4/5

+ sign 17.351+/-0.003 χ^2/NDF: 62655.5/22

All: 17.279+/-0.002 χ^2/NDF: 141368.0/46

- sign 17.208+/-0.003 χ^2/NDF: 77851.9/23

diff_bpm_4aX_4acX_avg_mean vs Slug



Right In: -9.702+/-5.231 χ^2/NDF: 22.0/15

Left Out: -10.543+/-3.554 χ^2/NDF:19.5/7

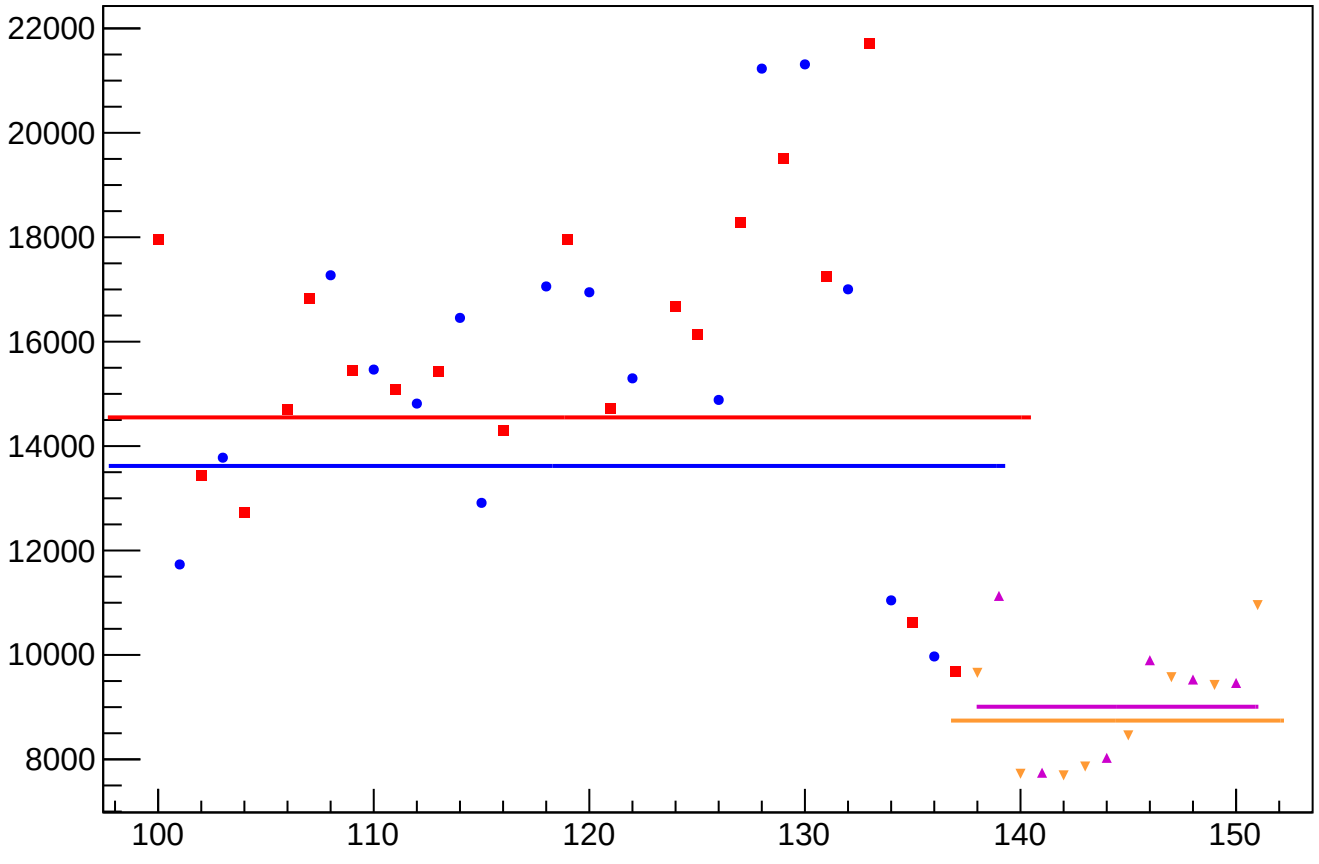
Right Out: -10.938+/-5.436 χ^2/NDF: 14.1/18

Left In: -3.532+/-3.963 χ^2/NDF:3.4/5

+ sign -10.277+/-2.940 χ^2/NDF: 41.5/23

All: -8.368+/-2.166 χ^2/NDF: 61.1/48

- sign -6.102+/-3.202 χ^2/NDF: 18.7/24



Right In: 13619.845+/-3.699 χ^2/NDF: 746985.9/15

Left Out: 8742.673+/-2.513 χ^2/NDF:170136.8/7

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

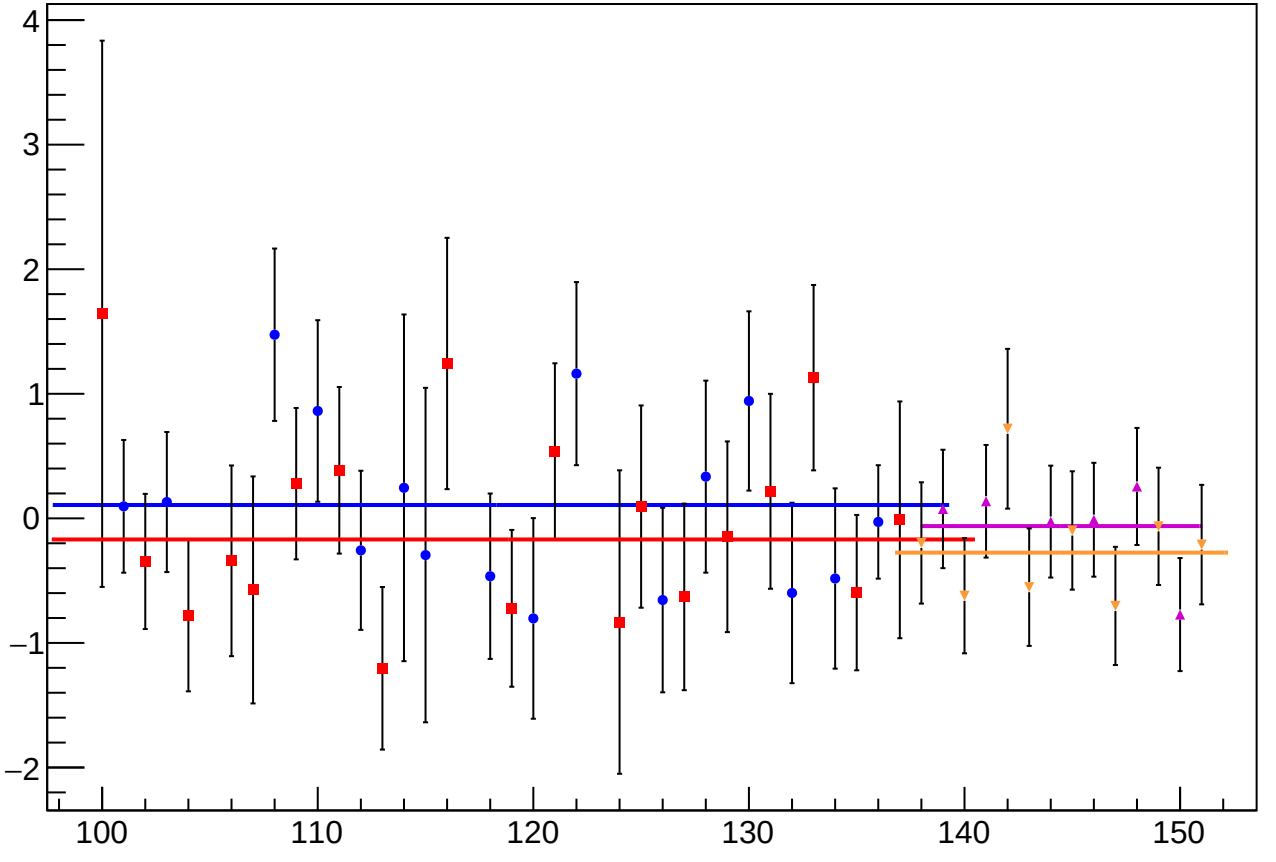
Left In: 9007.968+/-2.802 χ^2/NDF:158479.3/5

\+ sign 10282.733+/-2.079 χ^2/NDF: 2106538.2/23

All: 10579.153+/-1.531 χ^2/NDF: 4222582.5/4

\- sign 10930.884+/-2.264 χ^2/NDF: 2071580.2/24

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.275+/-0.173 χ^2/NDF:4.5/7

Right Out: -0.169+/-0.169 χ^2/NDF: 14.1/18

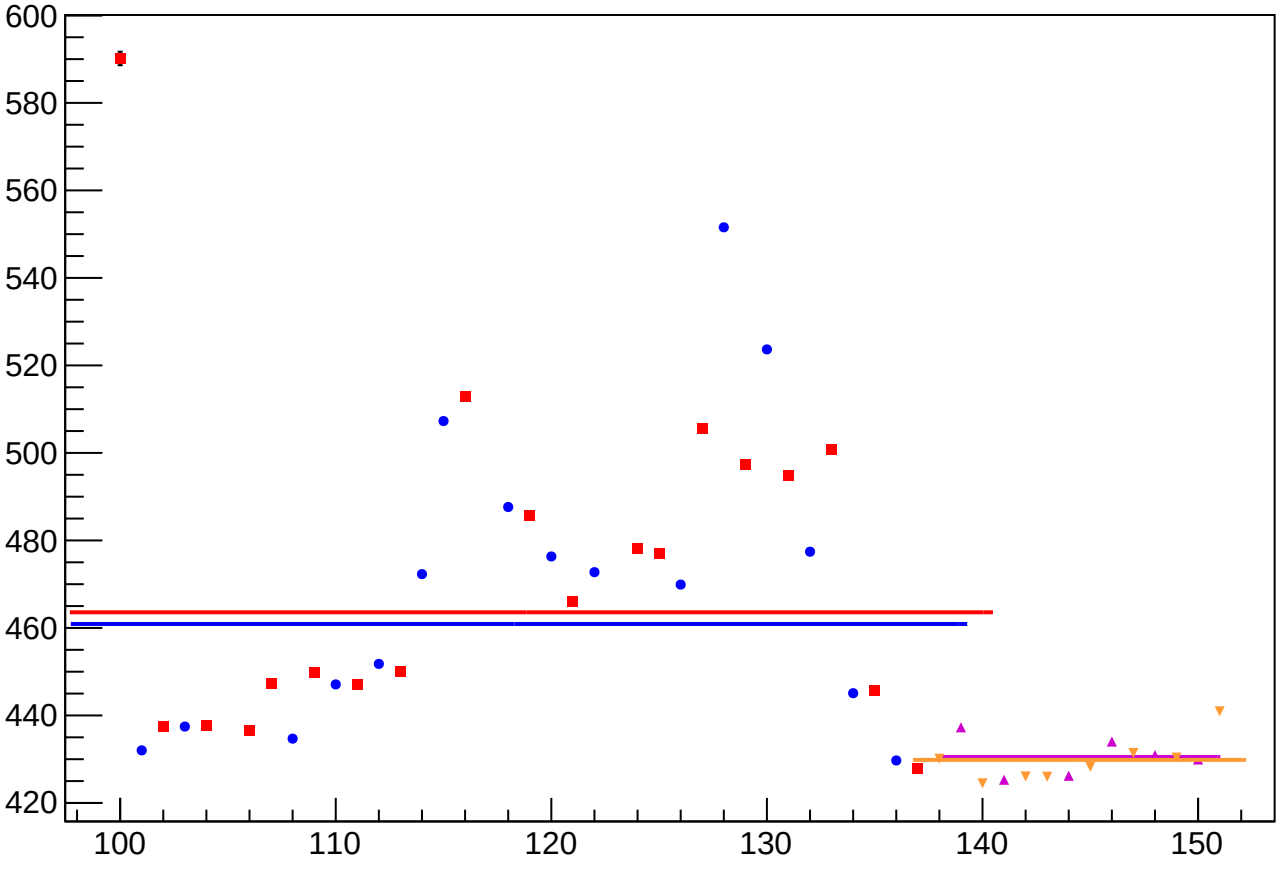
Left In: -0.062+/-0.187 χ^2/NDF:3.2/5

+ sign -0.083+/-0.122 χ^2/NDF: 20.7/23

All: -0.101+/-0.087 χ^2/NDF: 38.2/48

- sign -0.121+/-0.126 χ^2/NDF: 17.5/24

diff_bpm_4aX_4acX_dd_rms vs Slug



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 429.845+/-0.122 χ^2/NDF:1589.2/7

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

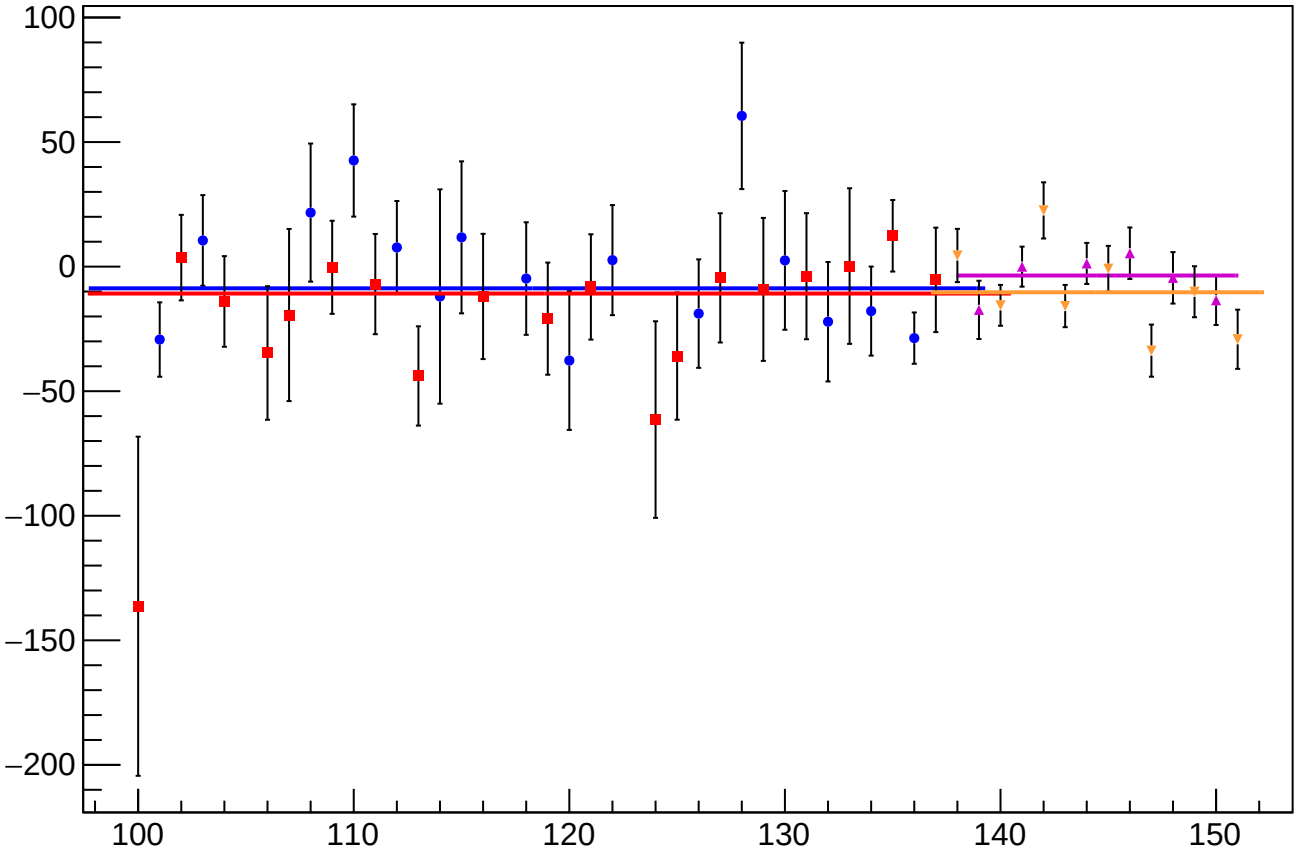
Left In: 430.490+/-0.133 χ^2/NDF:979.4/5

+ sign 445.458+/-0.086 χ^2/NDF: 109068.7/23

All: 447.027+/-0.062 χ^2/NDF: 197188.2/48

- sign 448.700+/-0.089 χ^2/NDF: 87432.9/24

diff_bpm_4aX_4eX_avg_mean vs Slug



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -10.294+/-3.470 χ^2/NDF:19.8/7

Right Out: -10.807+/-5.192 χ^2/NDF: 13.9/18

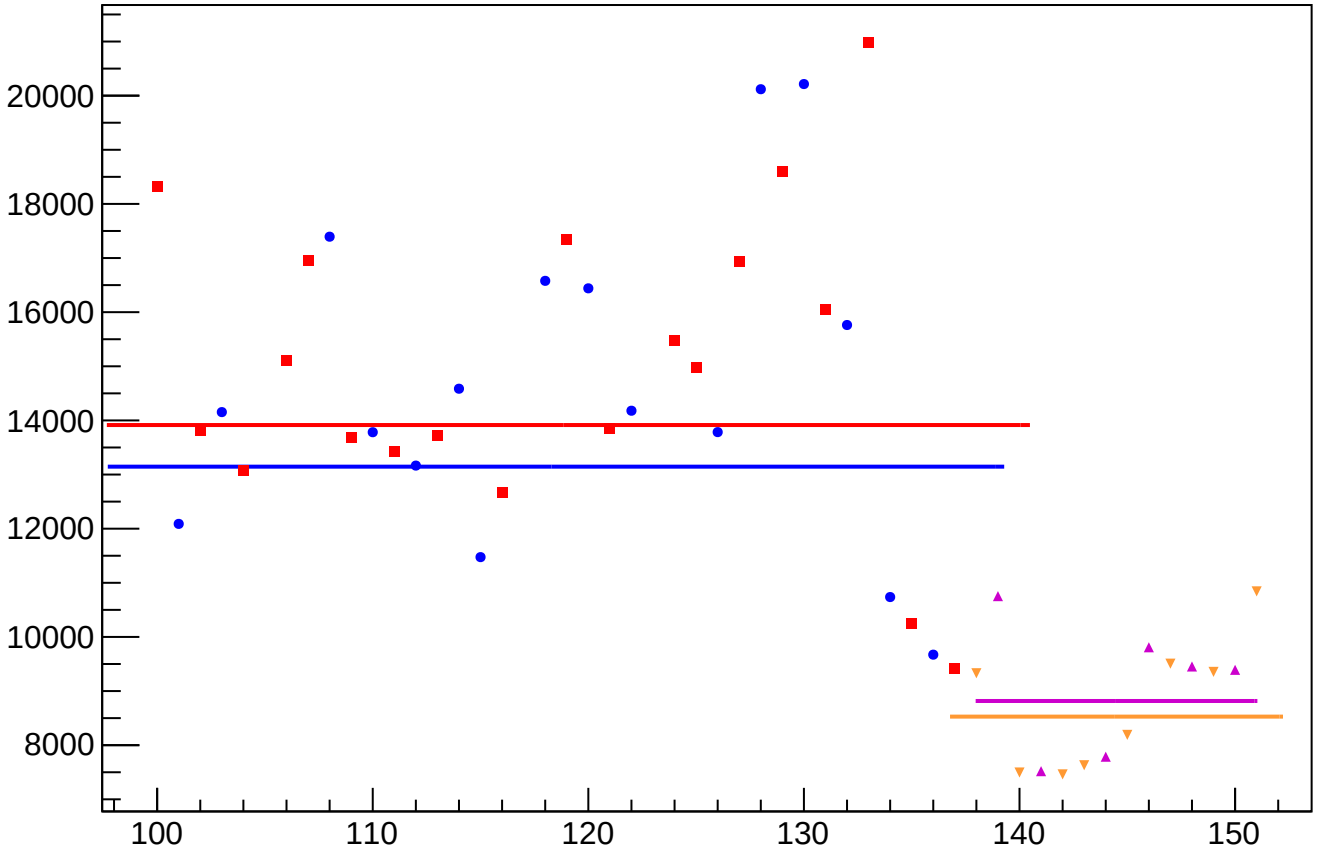
Left In: -3.572+/-3.881 χ^2/NDF:3.7/5

+ sign -9.784+/-2.857 χ^2/NDF: 42.2/23

All: -8.126+/-2.104 χ^2/NDF: 61.7/48

- sign -6.166+/-3.108 χ^2/NDF: 18.8/24

diff_bpm_4aX_4eX_avg_rms vs Slug



Right In: 13145.853+/-3.561 χ^2/NDF: 682620.1/15

Left Out: 8527.877+/-2.454 χ^2/NDF:192360.3/7

Right Out: 13914.770+/-3.671 χ^2/NDF: 511000.7/18

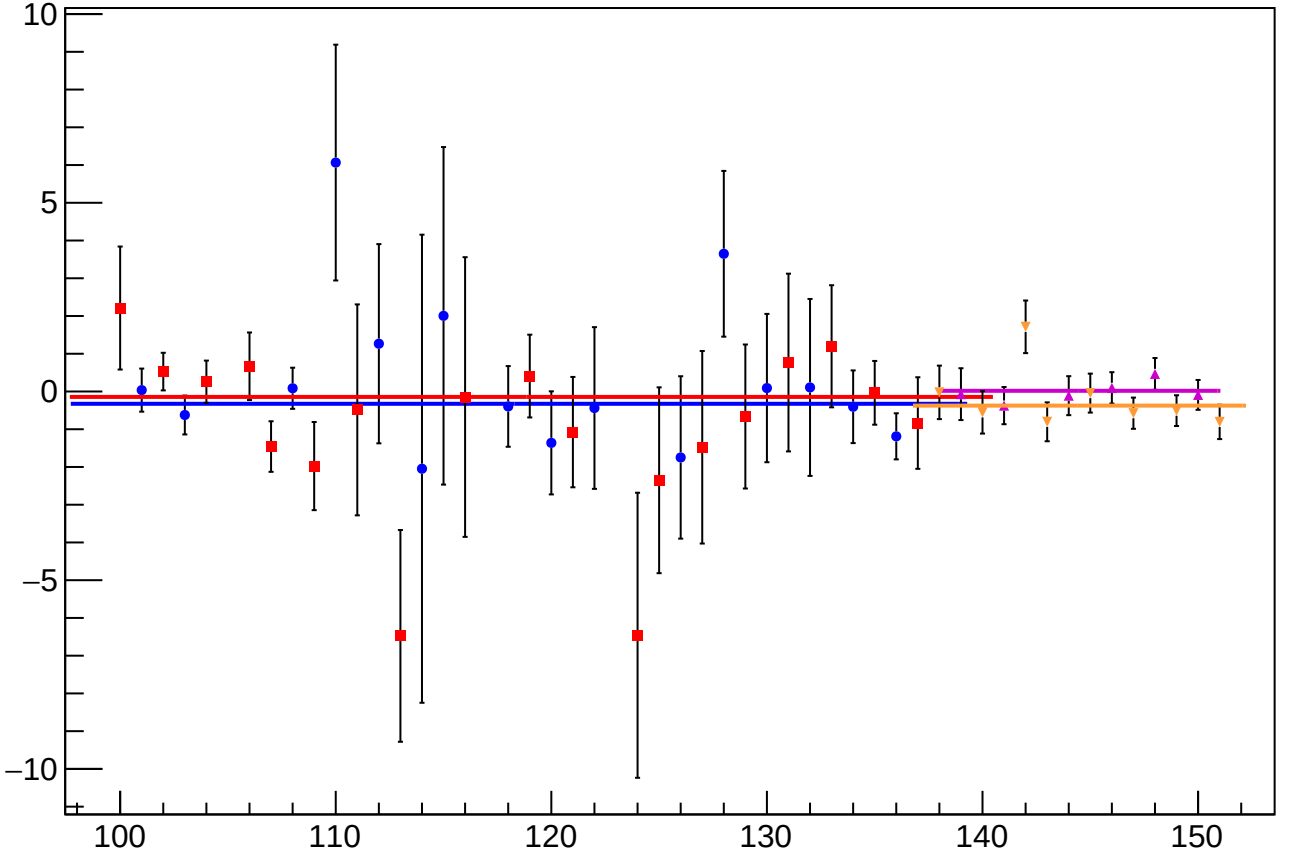
Left In: 8816.636+/-2.744 χ^2/NDF:170955.6/5

+ sign 10014.769+/-2.021 χ^2/NDF: 2015357.9/23

All: 10303.065+/-1.487 χ^2/NDF: 3979045.2/4

- sign 10644.213+/-2.198 χ^2/NDF: 1919237.4/24

diff_bpm_4aX_4eX_dd_mean vs Slug



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.374+/-0.178 χ^2/NDF:11.7/7

Right Out: -0.144+/-0.244 χ^2/NDF: 22.5/18

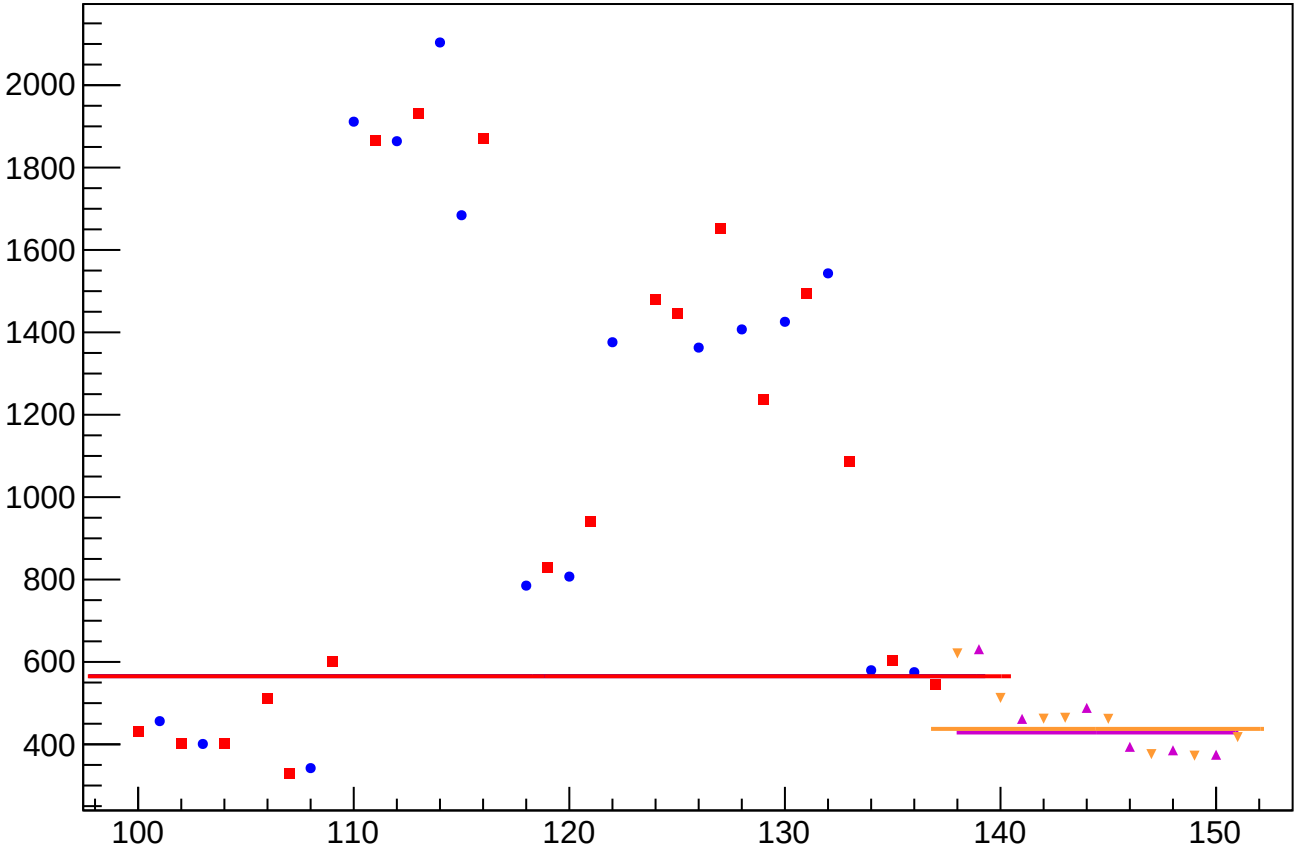
Left In: 0.018+/-0.190 χ^2/NDF:2.0/5

+ sign -0.357+/-0.144 χ^2/NDF: 24.3/23

All: -0.206+/-0.104 χ^2/NDF: 51.2/48

- sign -0.043+/-0.150 χ^2/NDF: 24.7/24

diff_bpm_4aX_4eX_dd_rms vs Slug



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 437.502+/-0.126 χ^2/NDF:280550.8/7

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

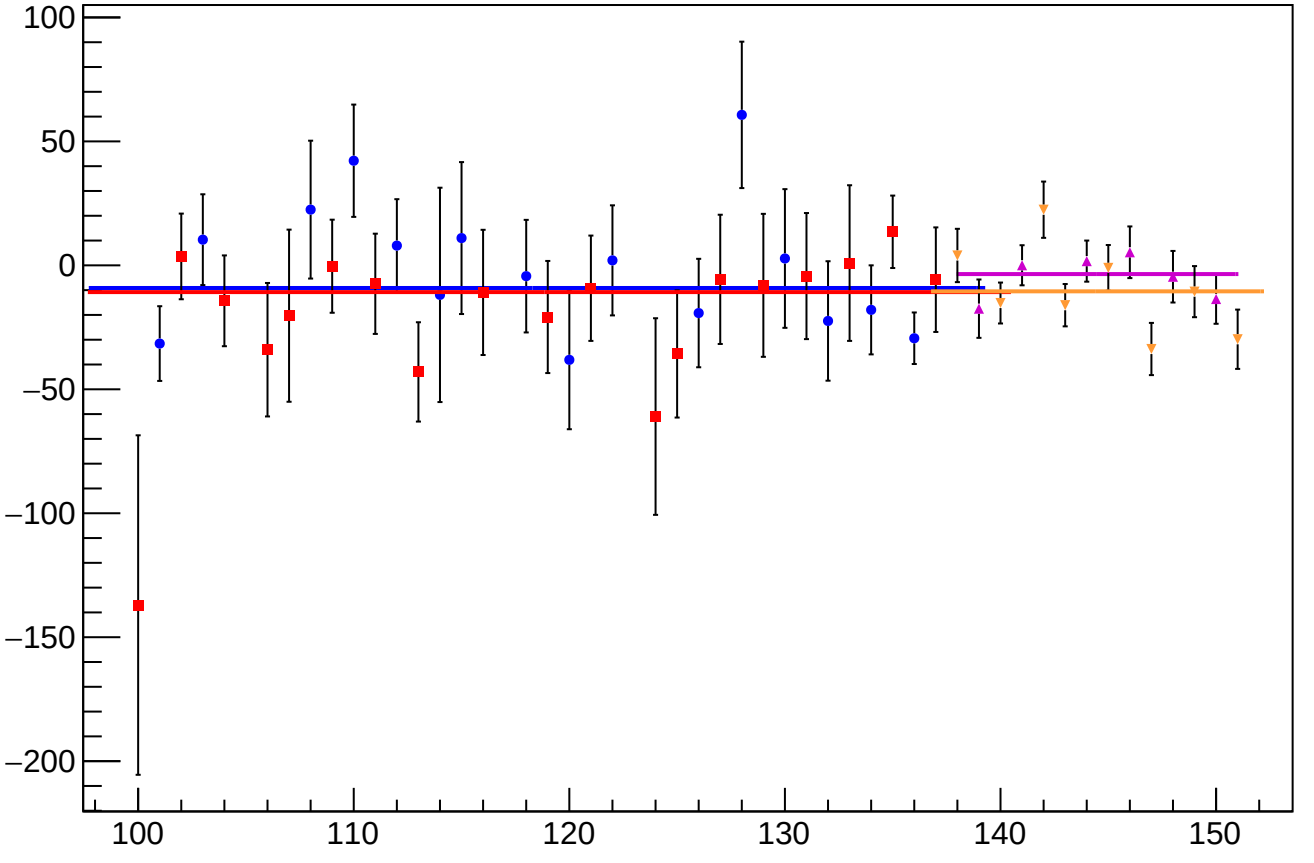
Left In: 428.735+/-0.134 χ^2/NDF:281474.9/5

+ sign 482.081+/-0.102 χ^2/NDF: 4089625.3/23

All: 481.092+/-0.073 χ^2/NDF: 8332396.8/48

- sign 480.022+/-0.106 χ^2/NDF: 4242575.1/24

diff_bpm_4aX_4ecX_avg_mean vs Slug



Right In: -9.130+/-5.069 χ^2/NDF: 22.7/15

Left Out: -10.483+/-3.492 χ^2/NDF:19.5/7

Right Out: -10.788+/-5.227 χ^2/NDF: 13.7/18

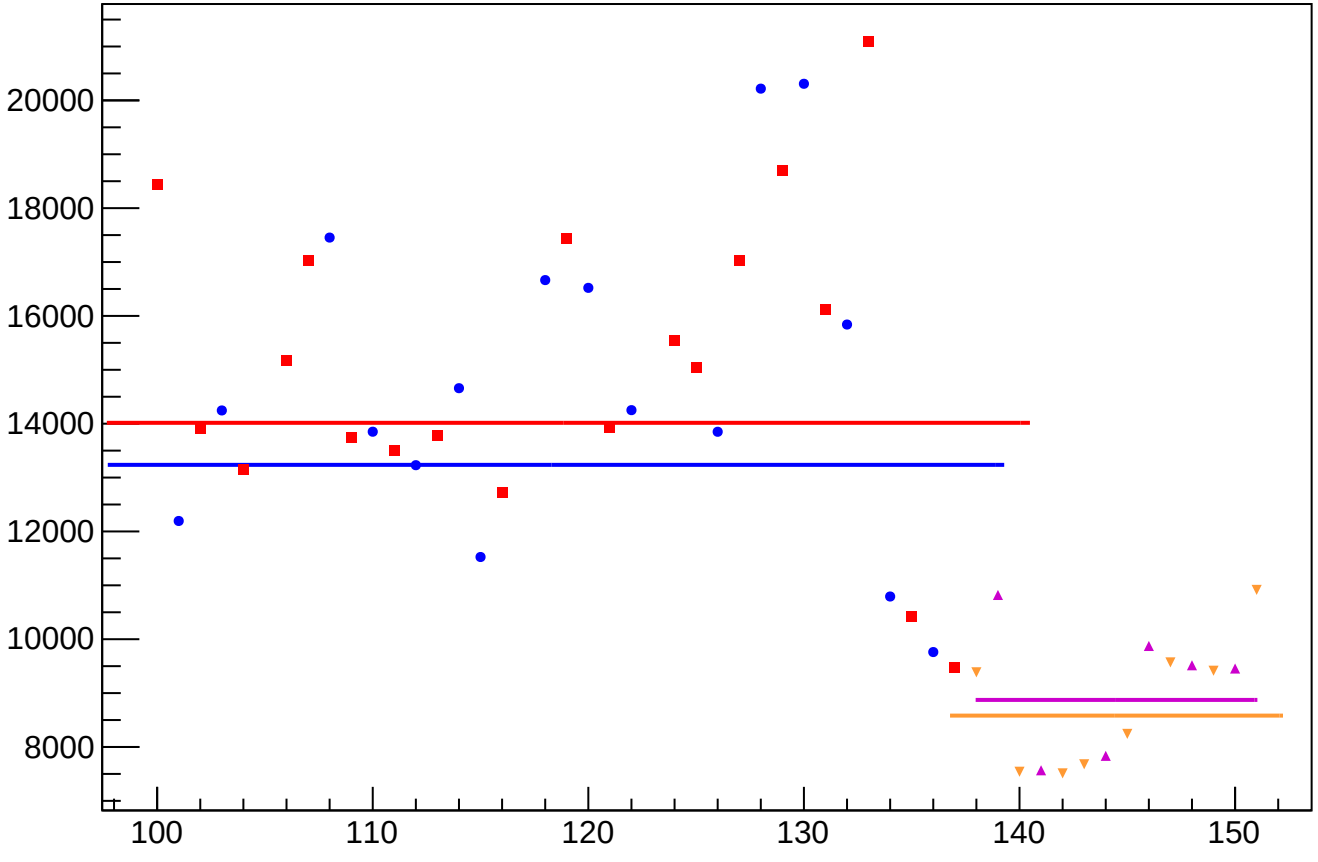
Left In: -3.520+/-3.906 χ^2/NDF:3.7/5

+ sign -10.048+/-2.876 χ^2/NDF: 42.3/23

All: -8.251+/-2.117 χ^2/NDF: 61.8/48

- sign -6.124+/-3.129 χ^2/NDF: 18.7/24

diff_bpm_4aX_4ecX_avg_rms vs Slug



Right In: 13235.828+/-3.585 χ^2/NDF: 673887.0/15

Left Out: 8582.302+/-2.470 χ^2/NDF:192735.9/7

Right Out: 14016.035+/-3.696 χ^2/NDF: 498592.9/18

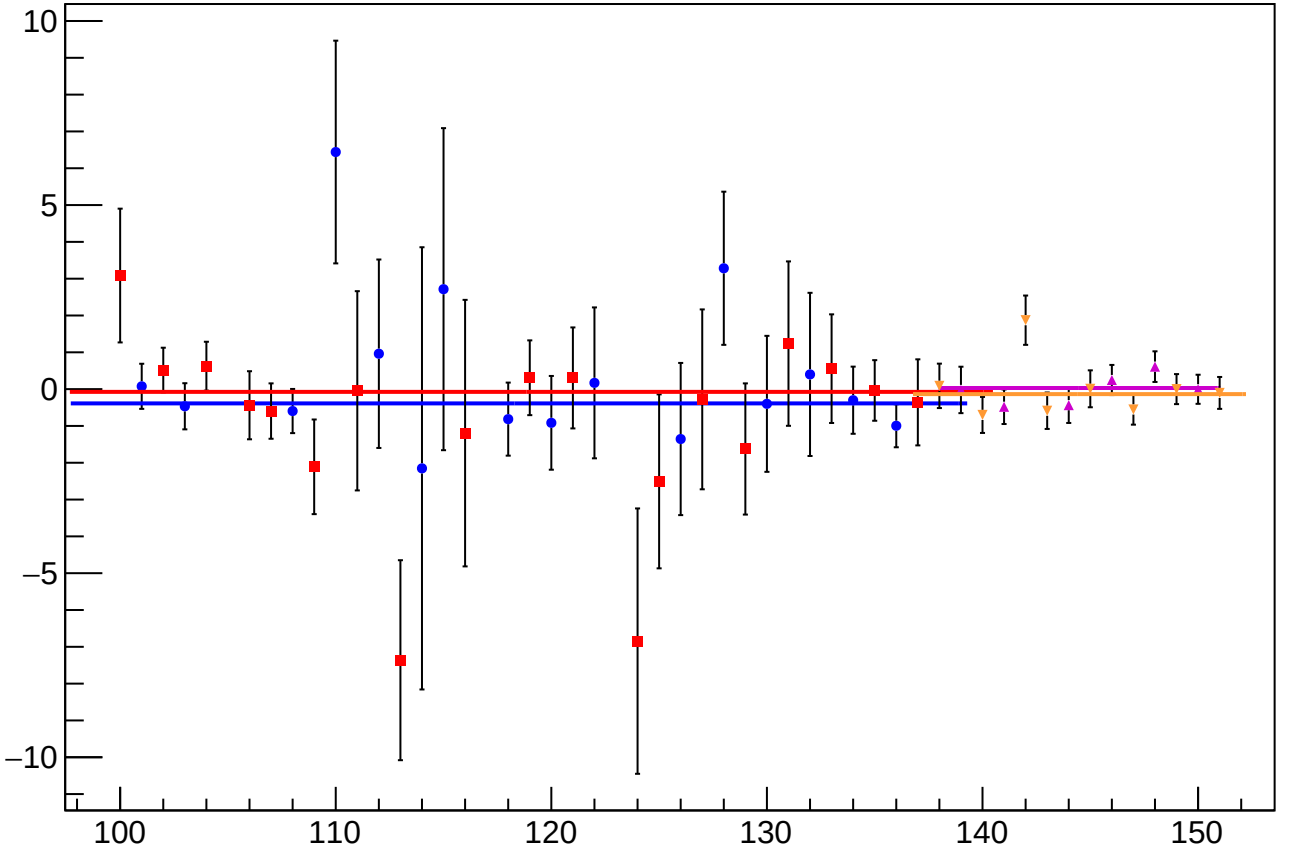
Left In: 8873.422+/-2.762 χ^2/NDF:171274.1/5

+ sign 10080.129+/-2.034 χ^2/NDF: 2009552.3/23

All: 10371.272+/-1.497 χ^2/NDF: 3966324.5/4

- sign 10715.881+/-2.212 χ^2/NDF: 1912015.8/24

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.136+/-0.170 χ^2/NDF:12.5/7

Right Out: -0.075+/-0.265 χ^2/NDF: 21.7/18

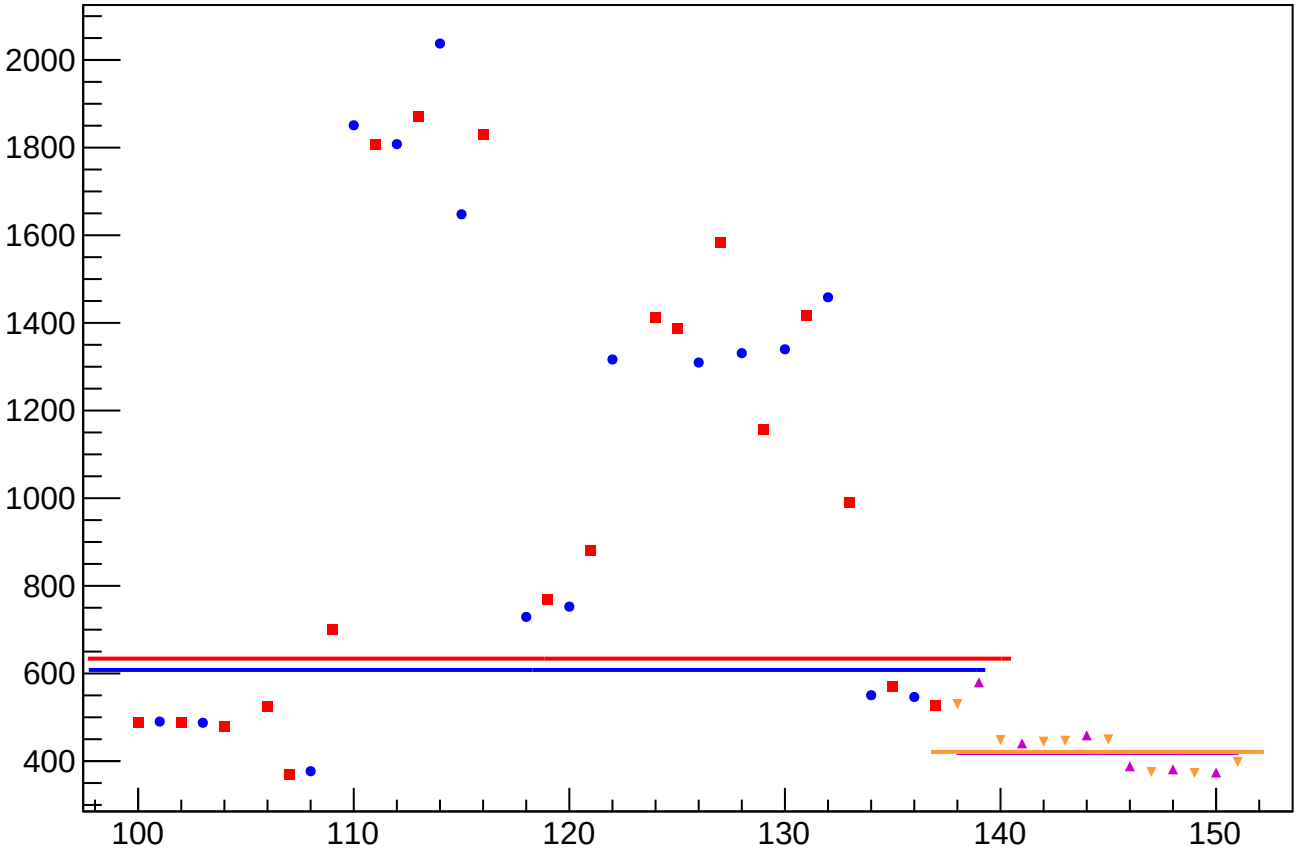
Left In: 0.030+/-0.184 χ^2/NDF:4.3/5

+ sign -0.213+/-0.142 χ^2/NDF: 24.8/23

All: -0.115+/-0.103 χ^2/NDF: 52.0/48

- sign -0.004+/-0.151 χ^2/NDF: 26.1/24

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 420.986+/-0.121 χ^2/NDF:144202.0/7

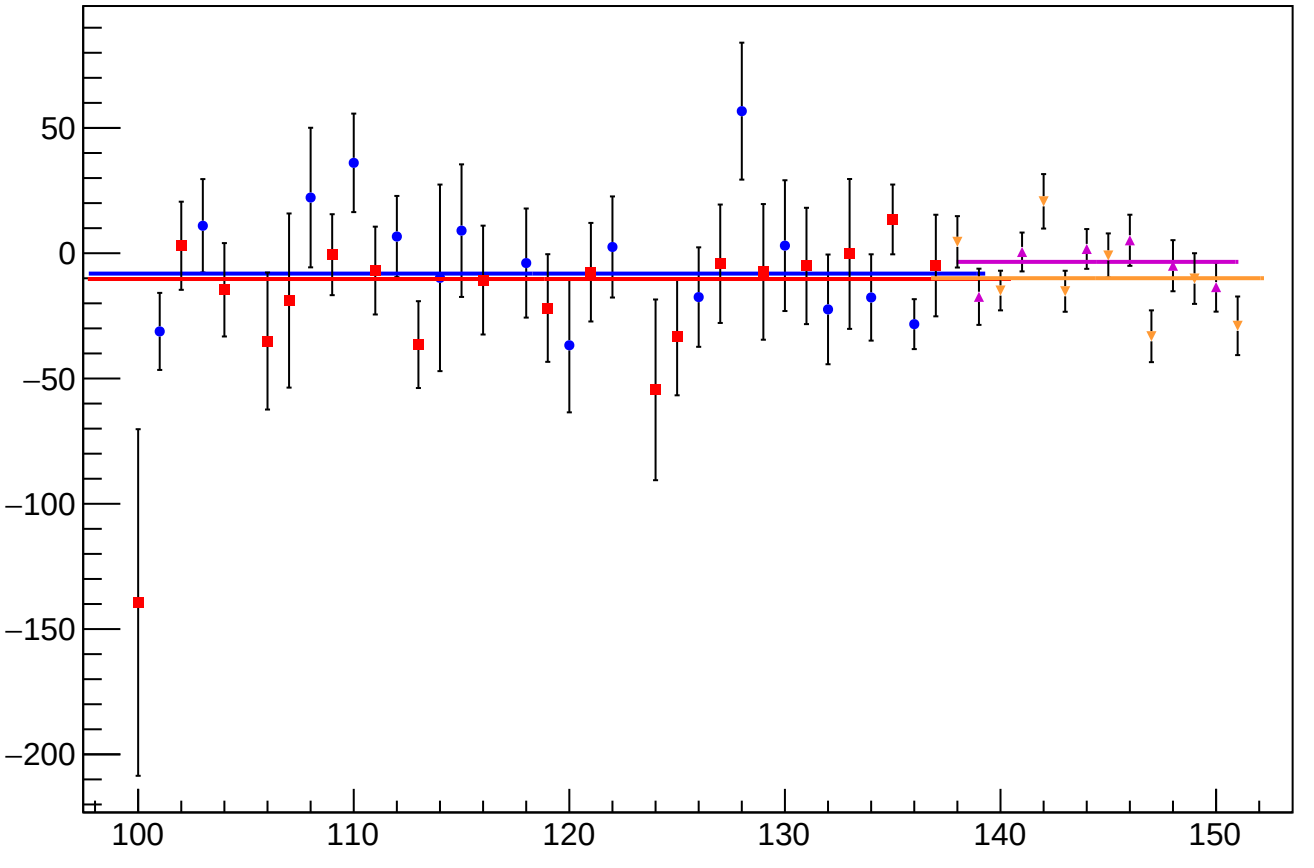
Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 418.559+/-0.130 χ^2/NDF:201439.7/5

+ sign 478.536+/-0.100 χ^2/NDF: 3738136.2/23

All: 483.375+/-0.073 χ^2/NDF: 7625484.8/48

- sign 488.873+/-0.107 χ^2/NDF: 3882374.3/24



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -9.967+/-3.367 χ^2/NDF:19.5/7

Right Out: -10.288+/-4.873 χ^2/NDF: 13.7/18

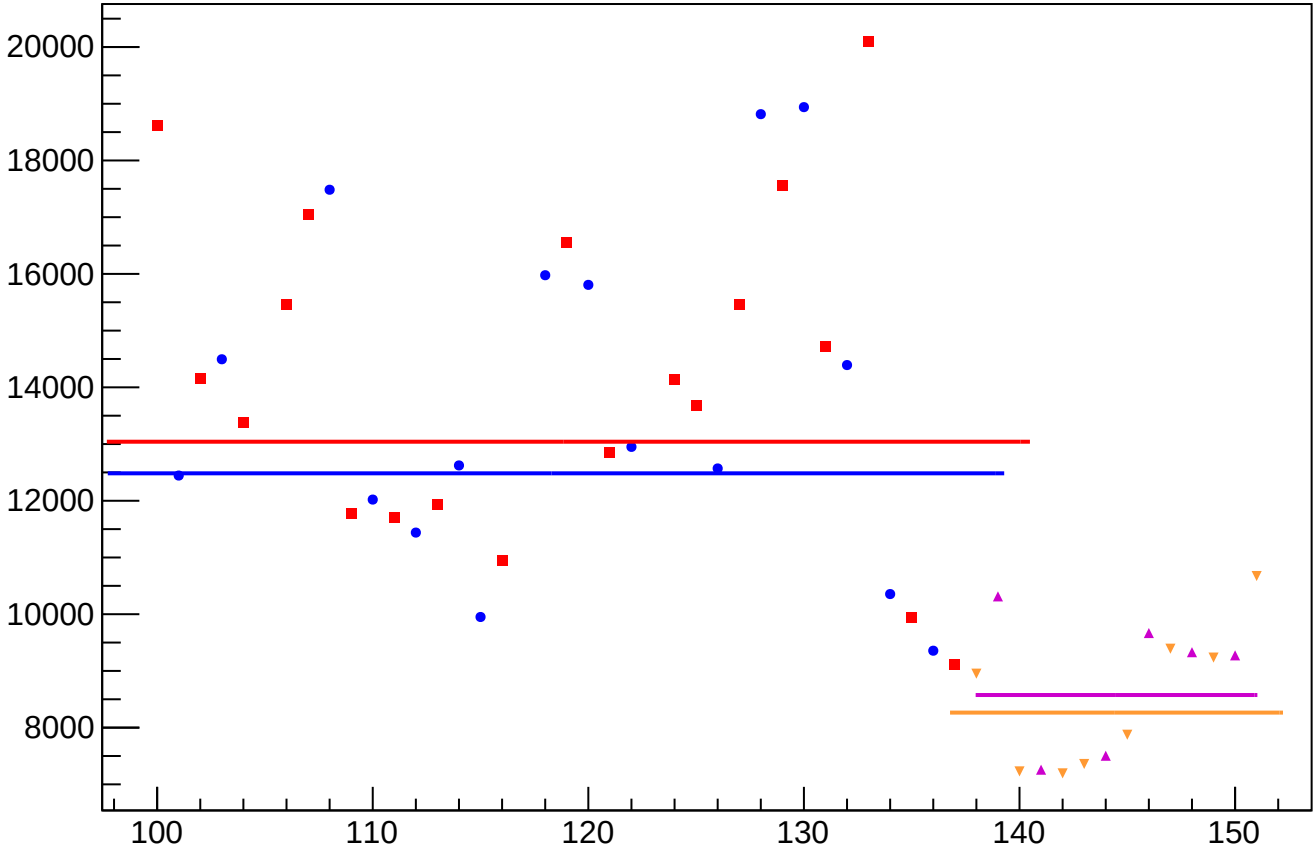
Left In: -3.451+/-3.777 χ^2/NDF:4.0/5

+ sign -9.358+/-2.753 χ^2/NDF: 42.7/23

All: -7.823+/-2.024 χ^2/NDF: 62.3/48

- sign -6.017+/-2.985 χ^2/NDF: 18.9/24

diff_bpm_4eX_4ecX_avg_rms vs Slug



Right In: 12483.955+/-3.379 χ^2/NDF: 671560.0/15

Left Out: 8265.125+/-2.381 χ^2/NDF:218130.9/7

Right Out: 13041.241+/-3.446 χ^2/NDF: 544486.8/18

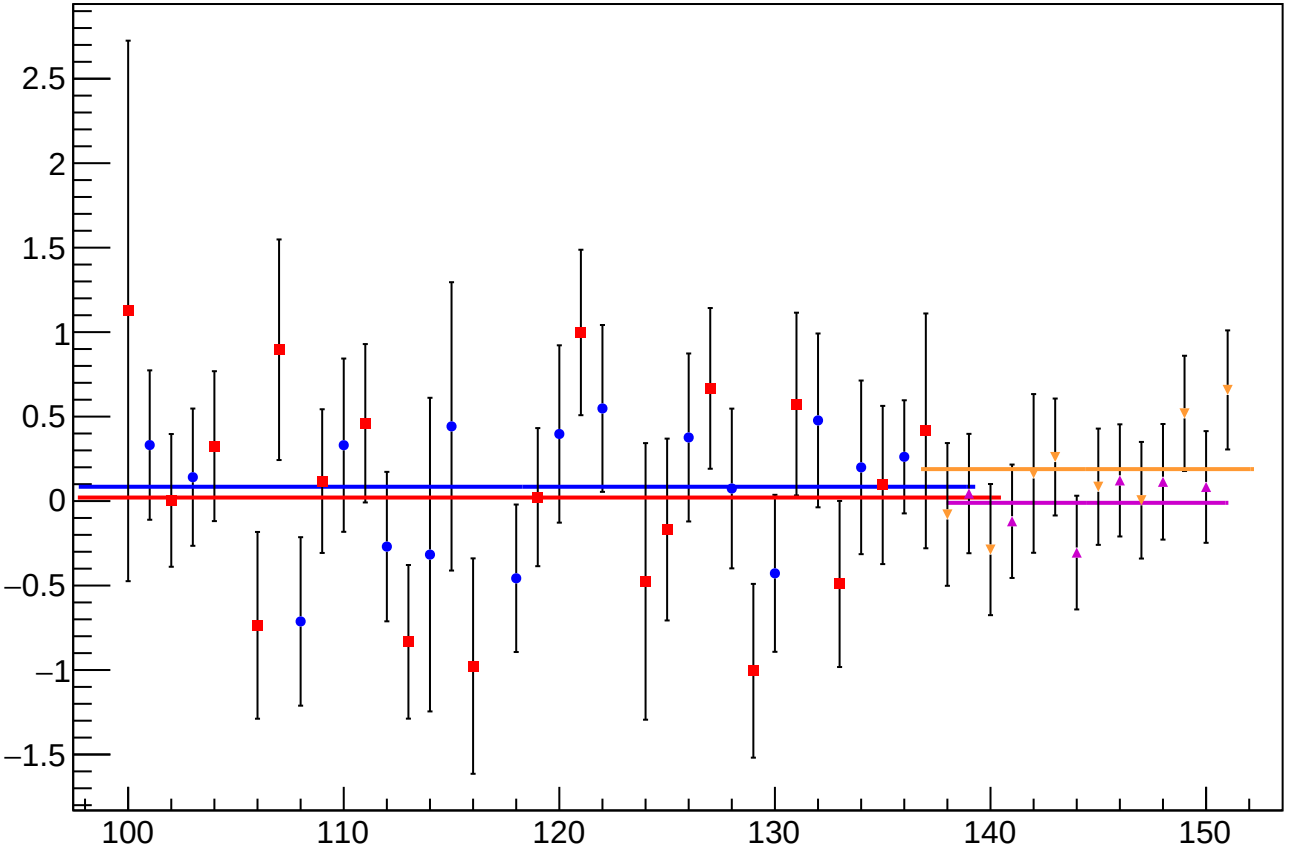
Left In: 8575.203+/-2.671 χ^2/NDF:186213.0/5

+ sign 9664.743+/-1.946 χ^2/NDF: 1931191.7/23

All: 9934.241+/-1.431 χ^2/NDF: 3752892.9/48

- sign 10251.253+/-2.111 χ^2/NDF: 1779980.5/24

diff_bpm_4eX_4ecX_dd_mean vs Slug



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.189+/-0.131 χ^2/NDF:5.0/7

Right Out: 0.021+/-0.117 χ^2/NDF: 24.3/18

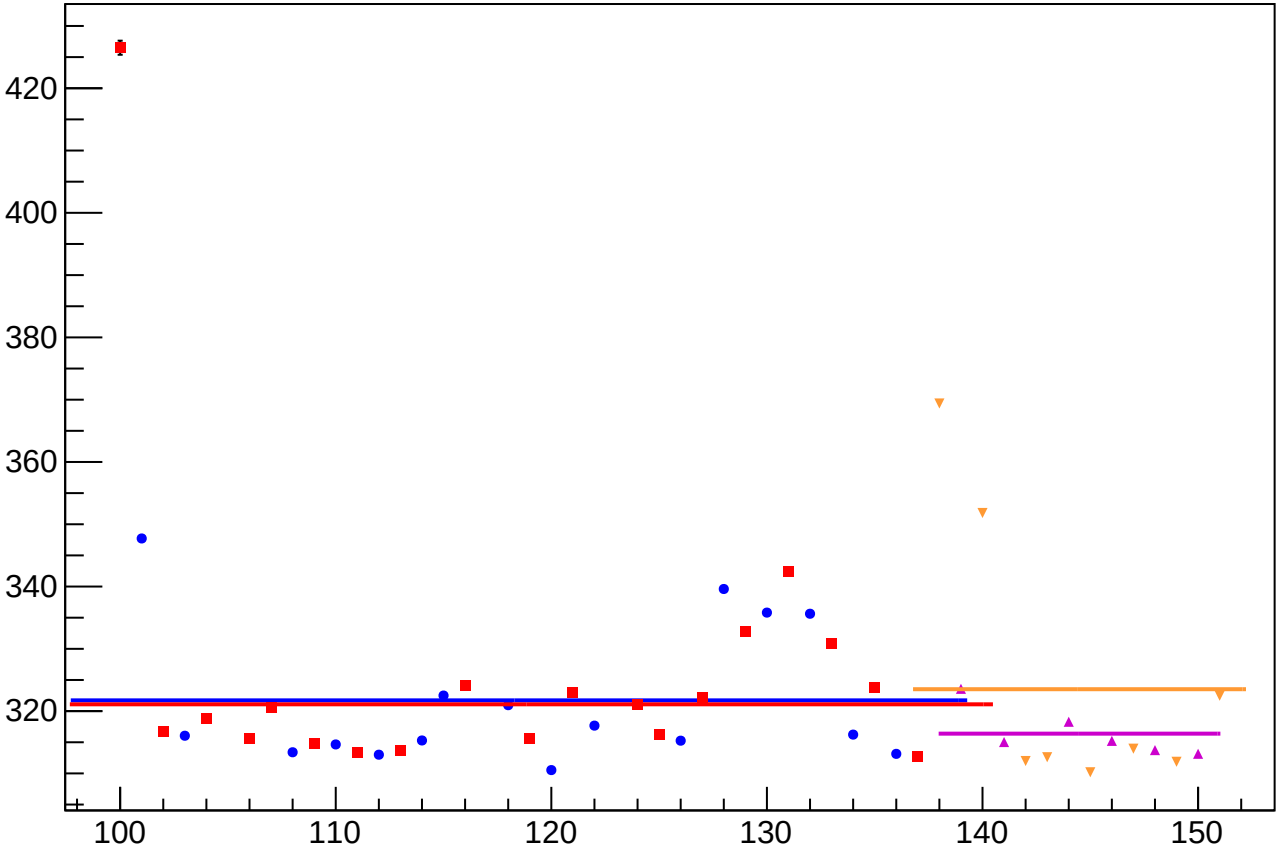
Left In: -0.010+/-0.138 χ^2/NDF:1.3/5

+ sign 0.133+/-0.088 χ^2/NDF: 14.8/23

All: 0.071+/-0.063 χ^2/NDF: 41.3/48

- sign 0.008+/-0.089 χ^2/NDF: 25.6/24

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 323.518+/-0.092 χ^2/NDF:44285.8/7

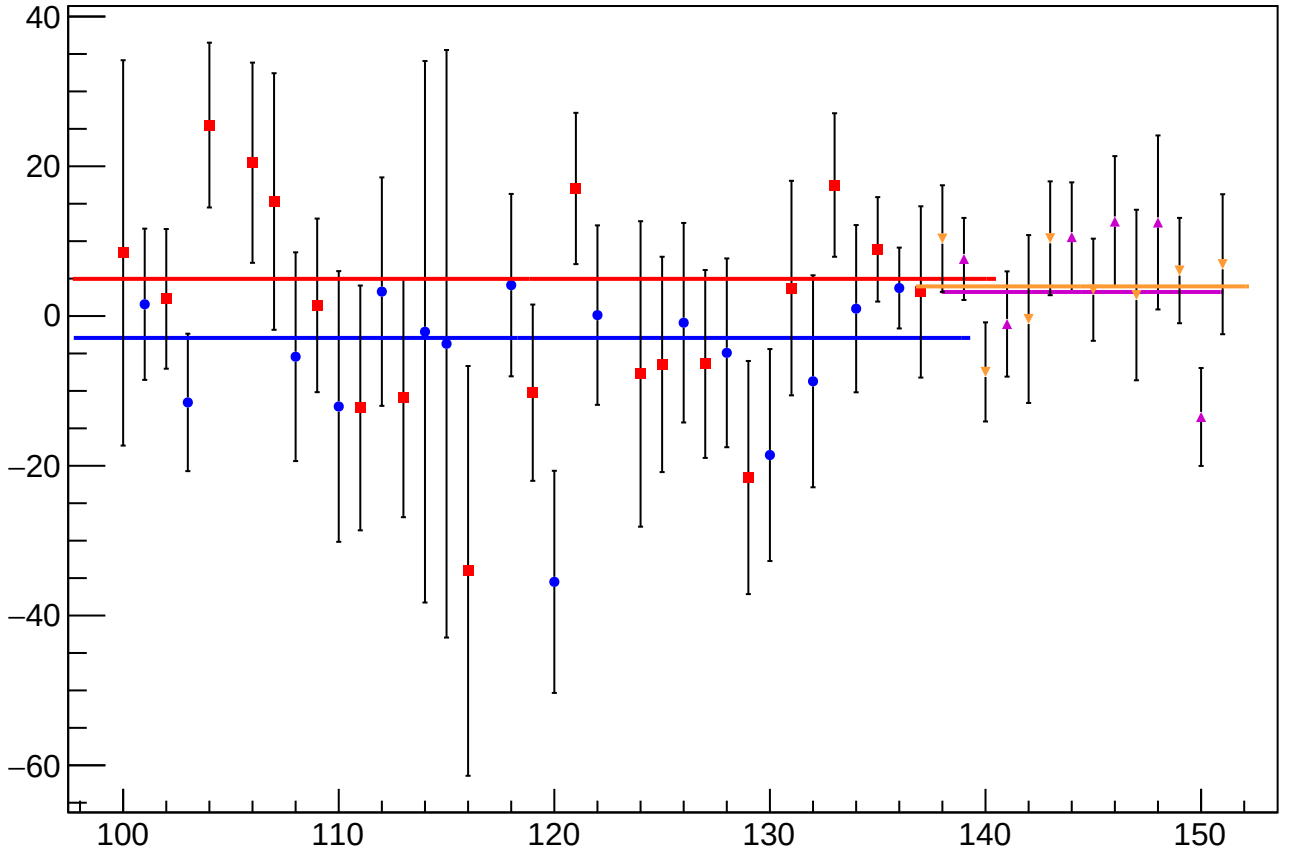
Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

Left In: 316.383+/-0.098 χ^2/NDF:1261.7/5

+ sign 322.548+/-0.063 χ^2/NDF: 62703.9/23

All: 320.851+/-0.044 χ^2/NDF: 83385.2/48

- sign 319.114+/-0.063 χ^2/NDF: 19191.0/24



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

Left Out: 3.958+/-2.788 χ^2/NDF:4.9/7

Right Out: 4.965+/-2.824 χ^2/NDF: 19.4/18

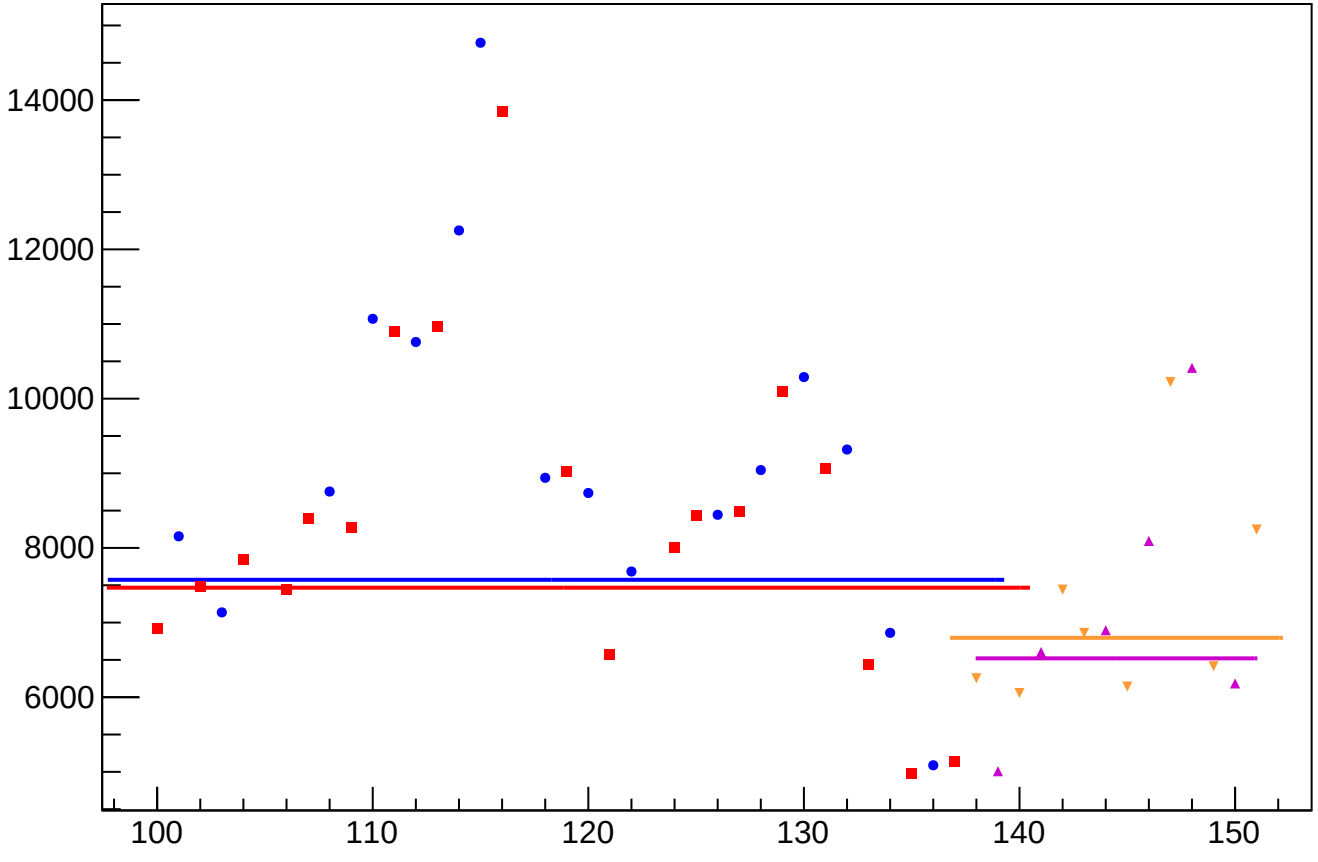
Left In: 3.210+/-2.934 χ^2/NDF:10.3/5

+ sign 0.666+/-2.013 χ^2/NDF: 17.6/23

All: 2.375+/-1.431 χ^2/NDF: 49.0/48

- sign 4.121+/-2.035 χ^2/NDF: 29.9/24

diff_bpm_4aY_4acY_avg_rms vs Slug



Right In: 7573.161+/-2.058 χ^2/NDF: 897588.4/15

Left Out: 6795.713+/-1.971 χ^2/NDF:296774.4/7

Right Out: 7467.477+/-1.997 χ^2/NDF: 828353.3/18

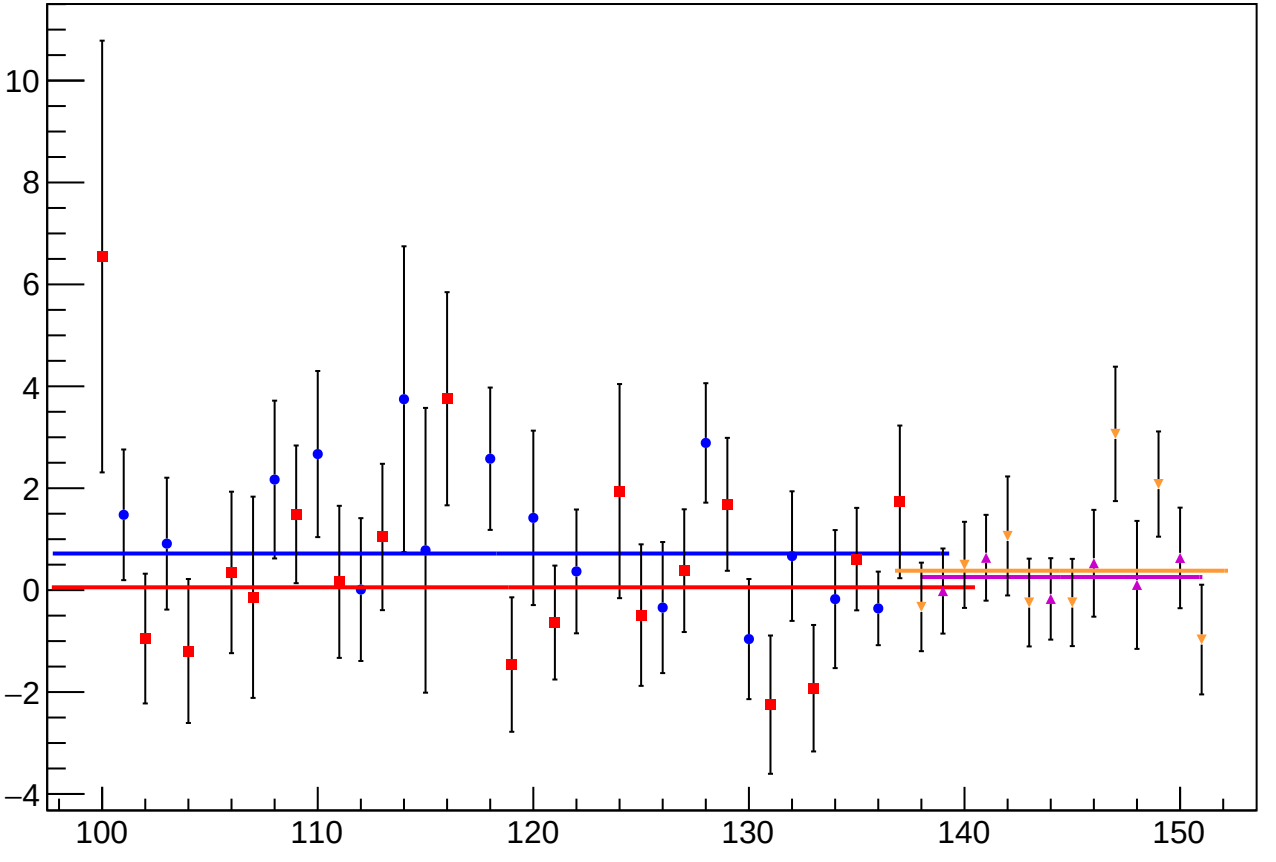
Left In: 6520.473+/-2.075 χ^2/NDF:452482.7/5

+ sign 7167.759+/-1.424 χ^2/NDF: 1268786.0/23

All: 7090.743+/-1.012 χ^2/NDF: 2663694.0/48

- sign 7012.081+/-1.439 χ^2/NDF: 1388991.9/24

diff_bpm_4aY_4acY_dd_mean vs Slug



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: 0.381+/-0.342 χ^2/NDF:10.5/7

Right Out: 0.056+/-0.323 χ^2/NDF: 19.8/18

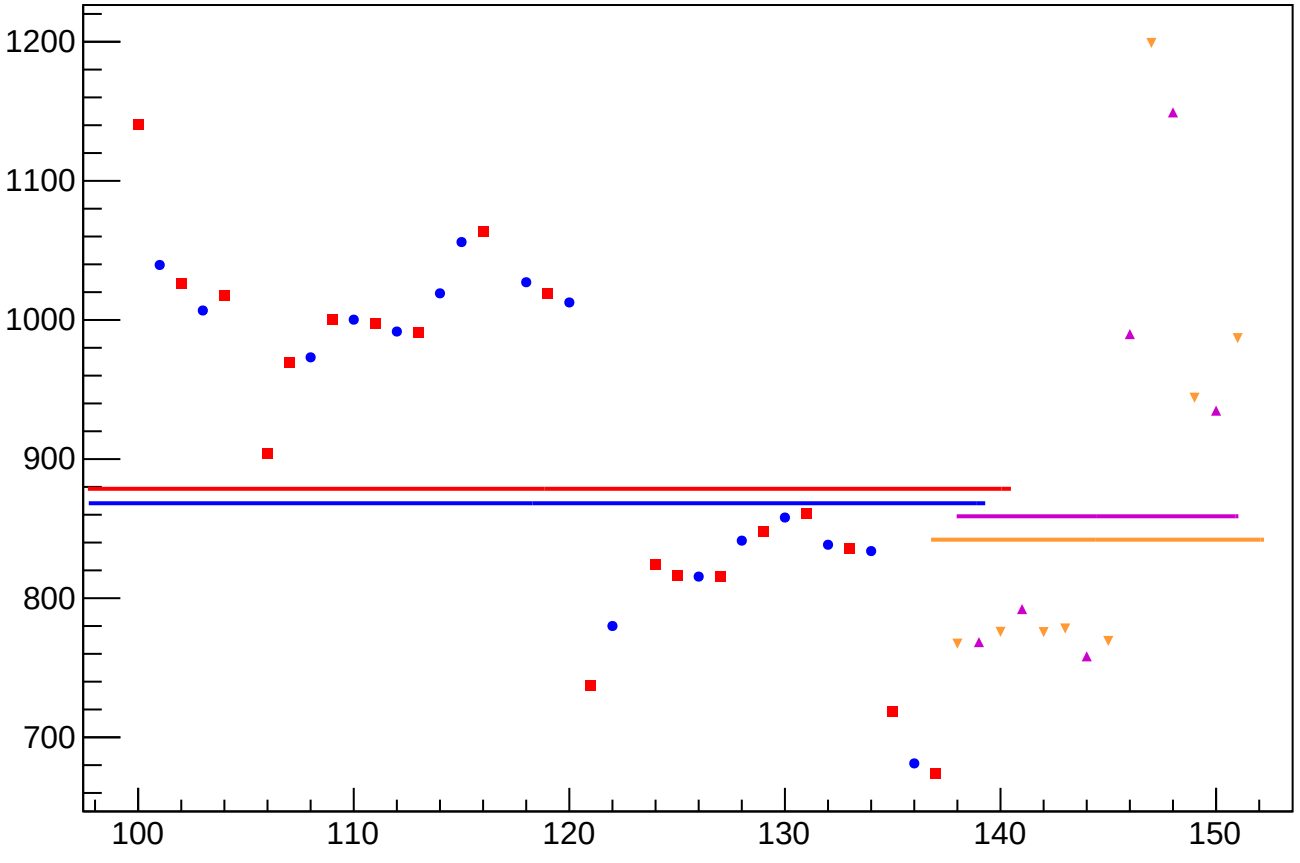
Left In: 0.257+/-0.378 χ^2/NDF:0.8/5

+ sign 0.558+/-0.236 χ^2/NDF: 25.8/23

All: 0.358+/-0.170 χ^2/NDF: 48.1/48

- sign 0.141+/-0.246 χ^2/NDF: 20.8/24

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 842.070+/-0.242 χ^2/NDF:261368.4/7

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

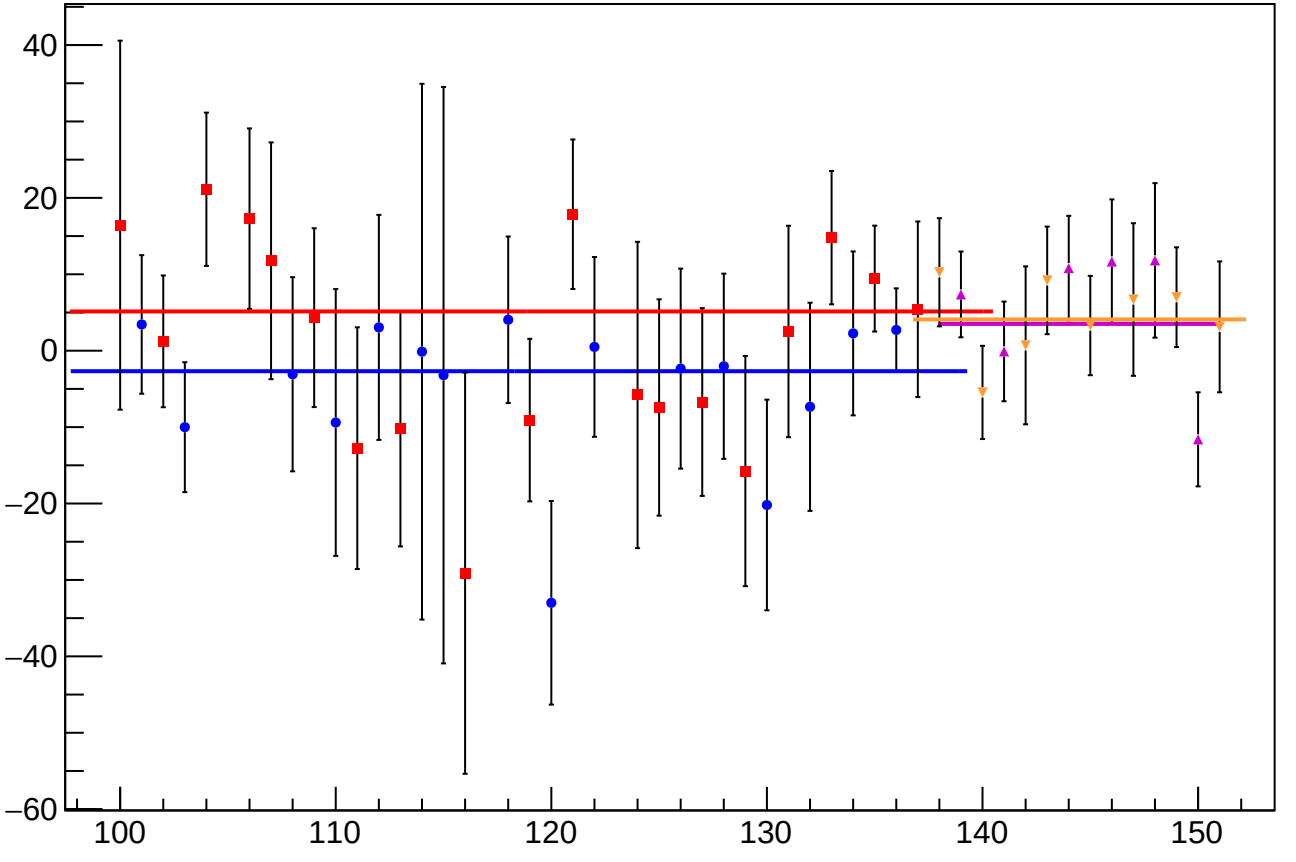
Left In: 858.881+/-0.268 χ^2/NDF:217735.8/5

+ sign 855.792+/-0.167 χ^2/NDF: 569920.5/23

All: 862.755+/-0.120 χ^2/NDF: 1066975.3/48

- sign 870.313+/-0.174 χ^2/NDF: 493423.3/24

diff_bpm_4aY_4eY_avg_mean vs Slug



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 4.091+/-2.607 χ^2/NDF:4.1/7

Right Out: 5.136+/-2.692 χ^2/NDF: 17.3/18

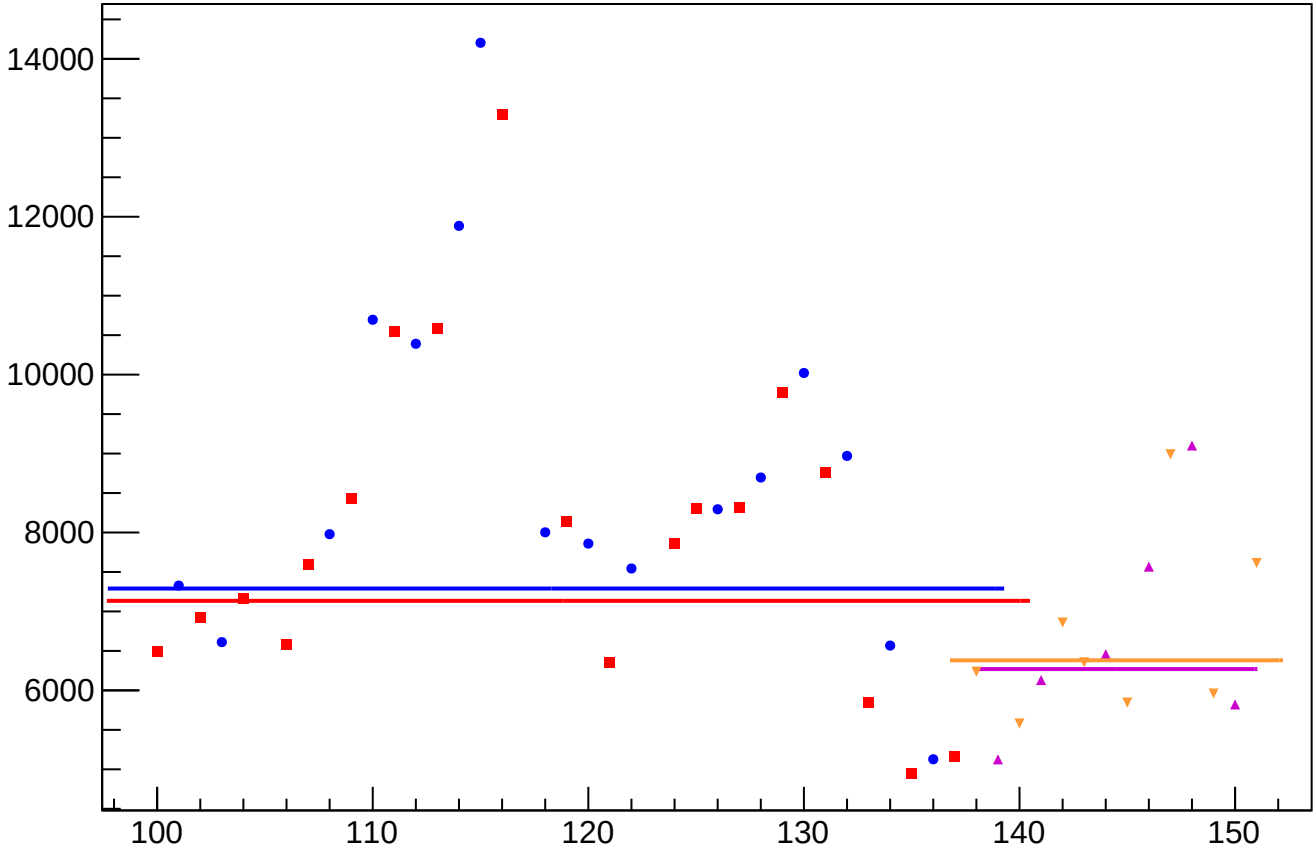
Left In: 3.505+/-2.796 χ^2/NDF:9.6/5

\+ sign 0.932+/-1.904 χ^2/NDF: 17.4/23

All: 2.610+/-1.359 χ^2/NDF: 46.0/48

\- sign 4.352+/-1.939 χ^2/NDF: 27.1/24

diff_bpm_4aY_4eY_avg_rms vs Slug



Right In: 7290.246+/-1.972 χ^2/NDF: 770518.2/15

Left Out: 6381.011+/-1.843 χ^2/NDF:239482.4/7

Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

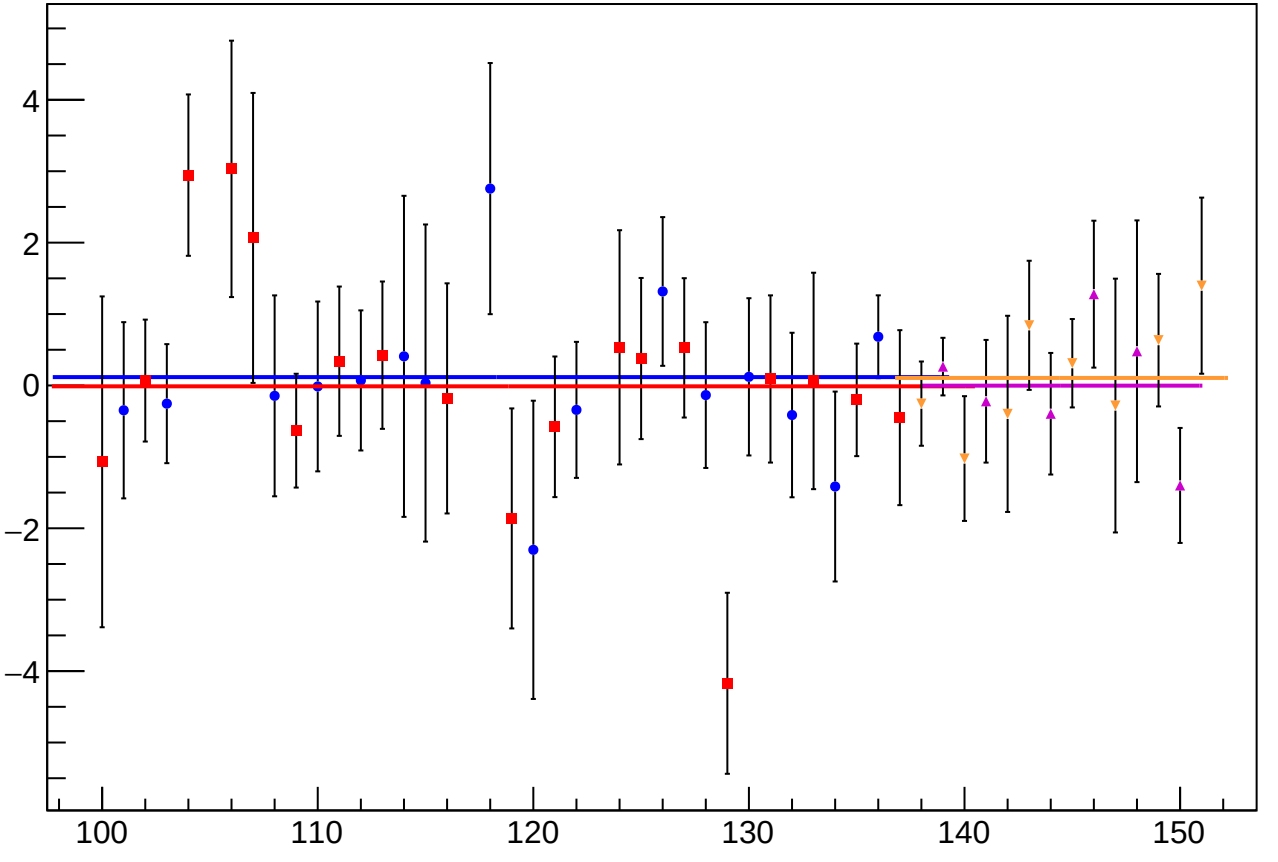
Left In: 6270.124+/-1.977 χ^2/NDF:303840.8/5

+ sign 6805.046+/-1.346 χ^2/NDF: 1123497.5/23

All: 6762.632+/-0.961 χ^2/NDF: 2321327.2/48

- sign 6718.639+/-1.371 χ^2/NDF: 1195808.0/24

diff_bpm_4aY_4eY_dd_mean vs Slug



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: 0.105+/-0.306 χ^2/NDF:4.4/7

Right Out: -0.012+/-0.263 χ^2/NDF: 25.2/18

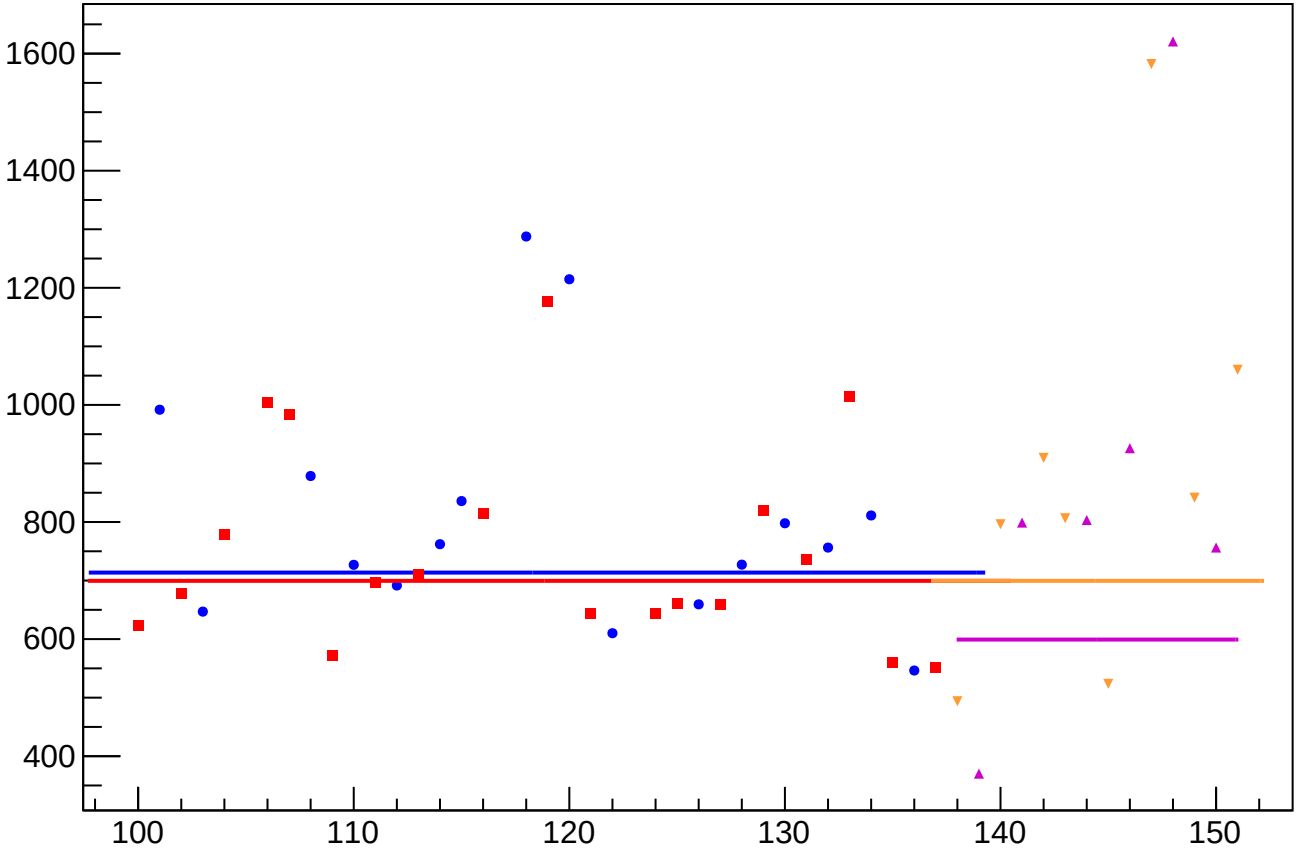
Left In: -0.003+/-0.293 χ^2/NDF:5.3/5

+ sign 0.112+/-0.204 χ^2/NDF: 12.5/23

All: 0.050+/-0.141 χ^2/NDF: 43.2/48

- sign -0.008+/-0.196 χ^2/NDF: 30.5/24

diff_bpm_4aY_4eY_dd_rms vs Slug



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 699.501+/-0.216 χ^2/NDF:1215043.8/7

Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

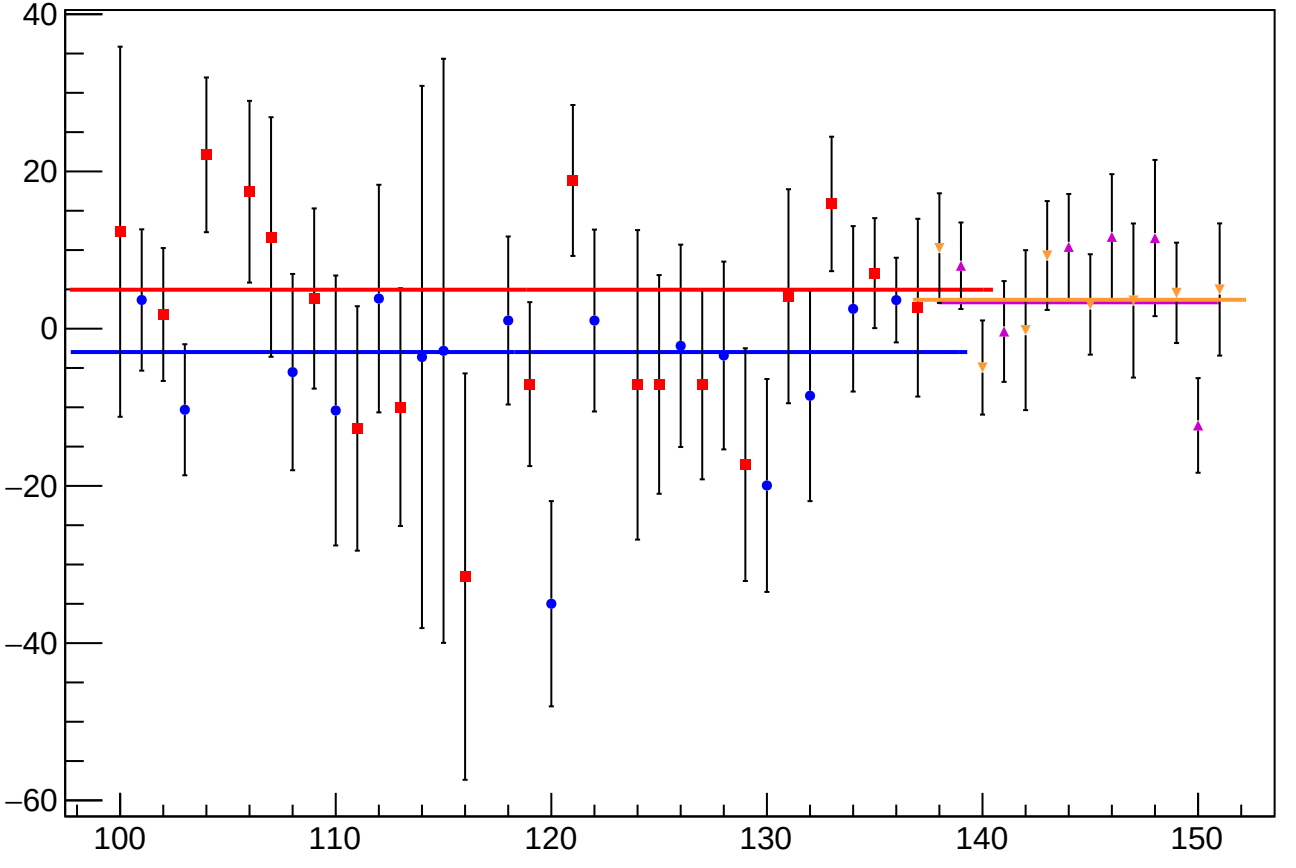
Left In: 599.216+/-0.207 χ^2/NDF:1767891.4/5

+ sign 707.361+/-0.144 χ^2/NDF: 1916720.2/23

All: 679.956+/-0.100 χ^2/NDF: 4459722.6/48

- sign 654.671+/-0.138 χ^2/NDF: 2473447.6/24

diff_bpm_4aY_4ecY_avg_mean vs Slug



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 3.675+/-2.560 χ^2/NDF:3.8/7

Right Out: 4.955+/-2.653 χ^2/NDF: 18.5/18

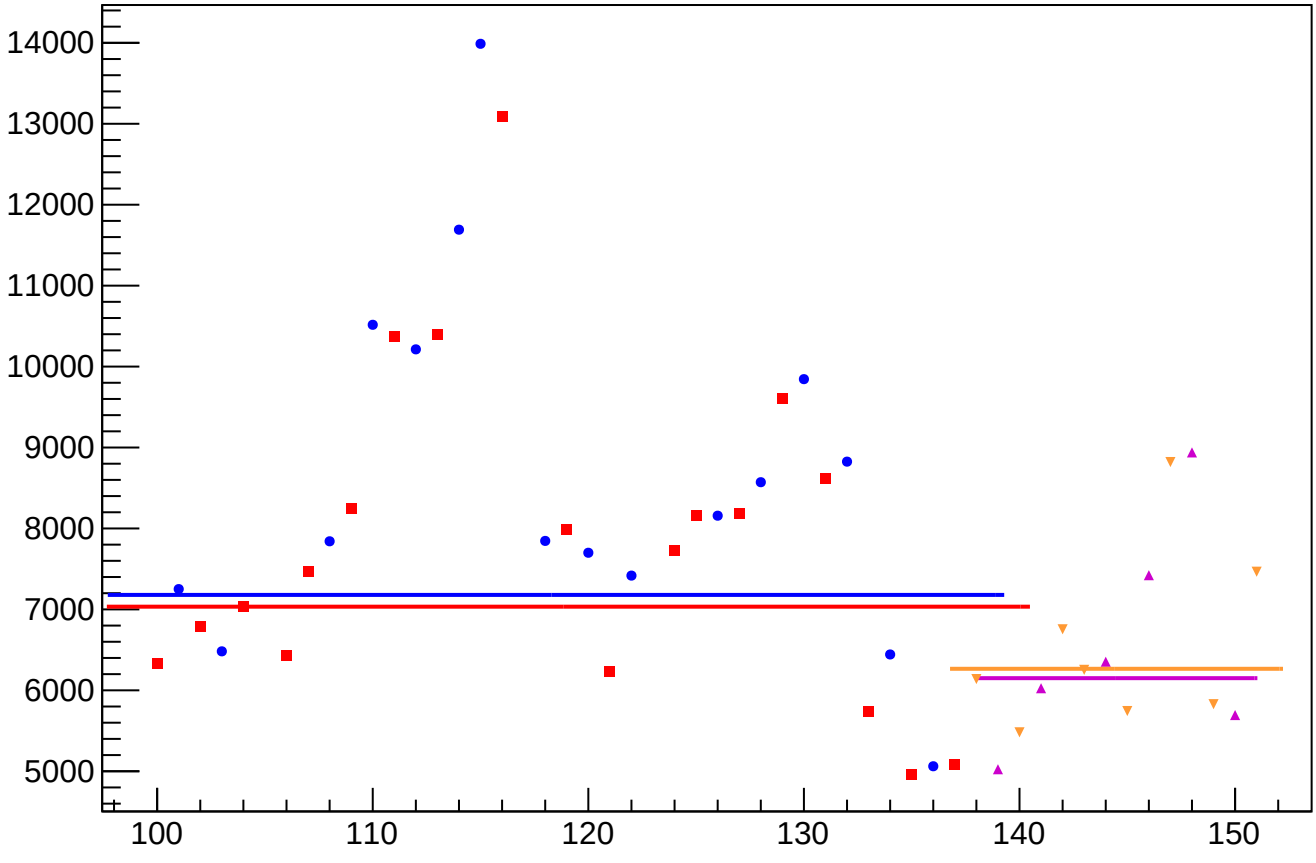
Left In: 3.356+/-2.743 χ^2/NDF:10.7/5

+ sign 0.584+/-1.873 χ^2/NDF: 18.5/23

All: 2.350+/-1.336 χ^2/NDF: 49.7/48

- sign 4.183+/-1.907 χ^2/NDF: 29.3/24

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6266.081+/-1.810 χ^2/NDF:238934.3/7

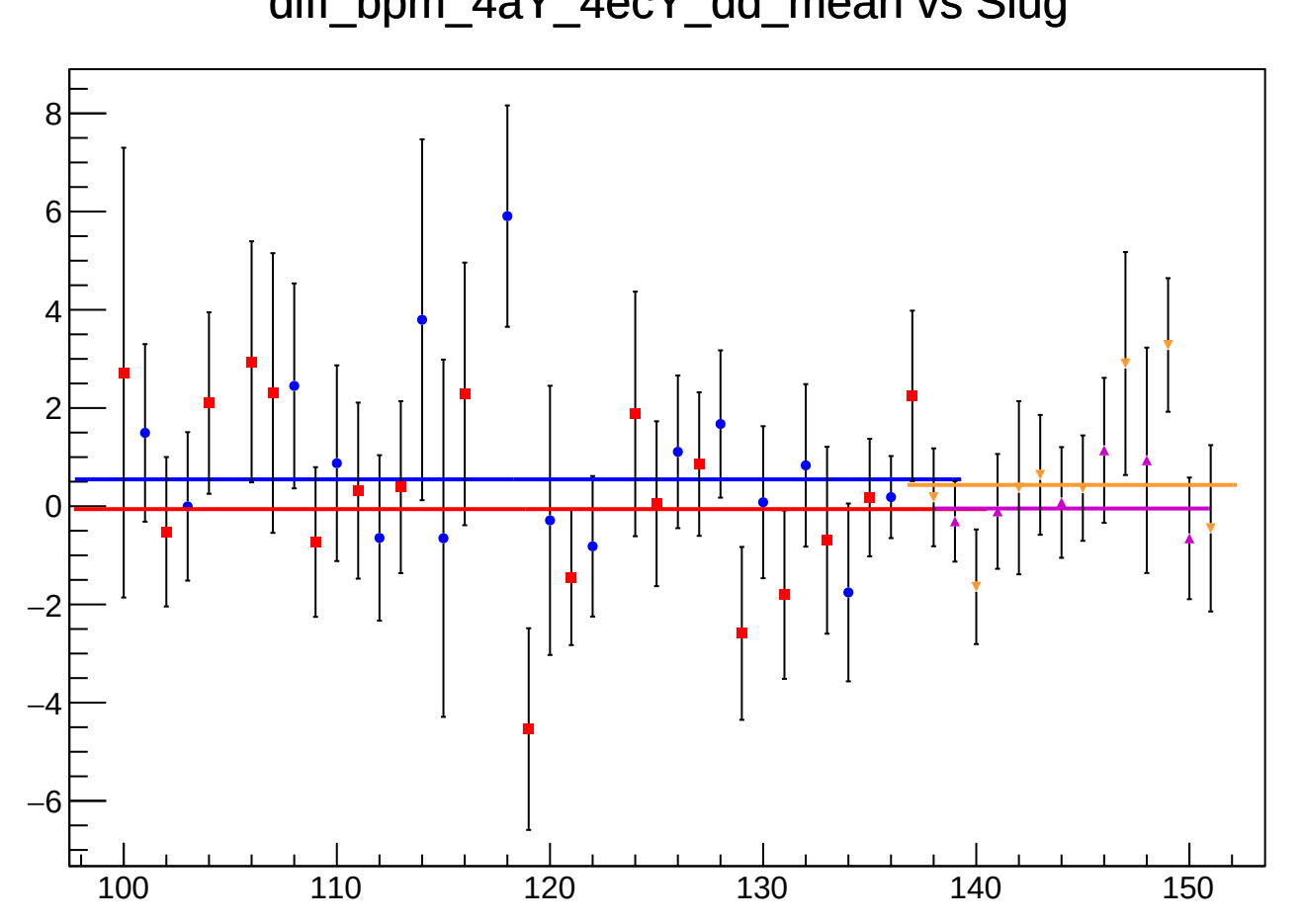
Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

Left In: 6150.283+/-1.940 χ^2/NDF:306151.9/5

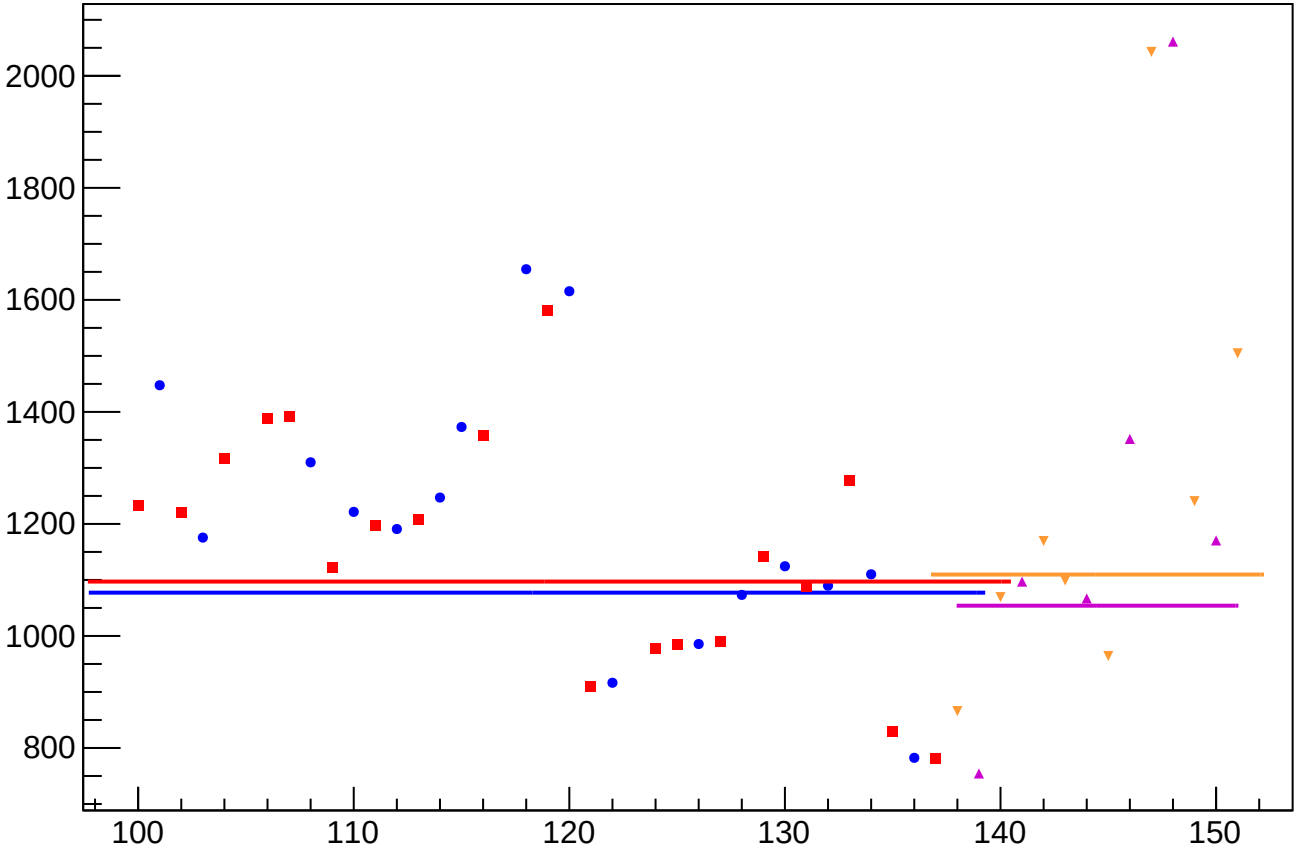
+ sign 6690.538+/-1.324 χ^2/NDF: 1119113.0/23

All: 6649.371+/-0.945 χ^2/NDF: 2300744.8/48

- sign 6606.666+/-1.349 χ^2/NDF: 1179662.4/24


diff_bpm_4aY_4ecY_dd_mean vs Slug
8
6
4
2
0
−2
−4
−6
100
110
120
130
140
150
Right In: 0.547+/-0.411 χ²/NDF: 11.9/15
Left Out: 0.434+/-0.462 χ²/NDF:9.1/7
Right Out: -0.059+/-0.409 χ²/NDF: 16.9/18
Left In: -0.047+/-0.482 χ²/NDF:1.2/5
+ sign 0.497+/-0.307 χ²/NDF: 21.1/23
All: 0.226+/-0.219 χ²/NDF: 40.7/48
- sign -0.054+/-0.312 χ²/NDF: 18.0/24

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1109.666+/-0.327 χ^2/NDF:626533.4/7

Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

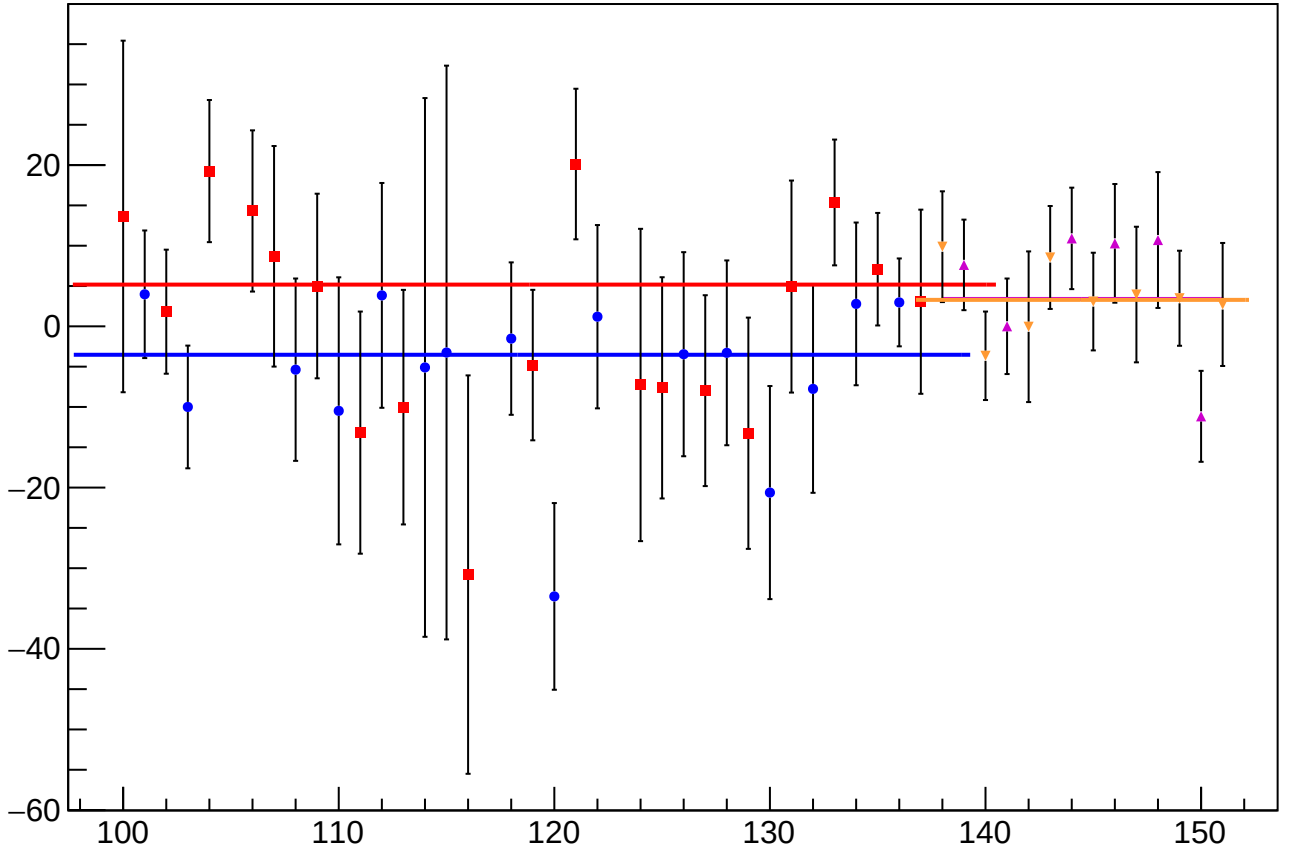
Left In: 1054.058+/-0.341 χ^2/NDF:754095.5/5

+ sign 1091.598+/-0.217 χ^2/NDF: 1278534.6/23

All: 1085.439+/-0.155 χ^2/NDF: 2527917.8/48

- sign 1079.087+/-0.220 χ^2/NDF: 1247748.0/24

diff_bpm_4eY_4ecY_avg_mean vs Slug



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 3.282+/-2.372 χ^2/NDF:3.3/7

Right Out: 5.176+/-2.508 χ^2/NDF: 18.2/18

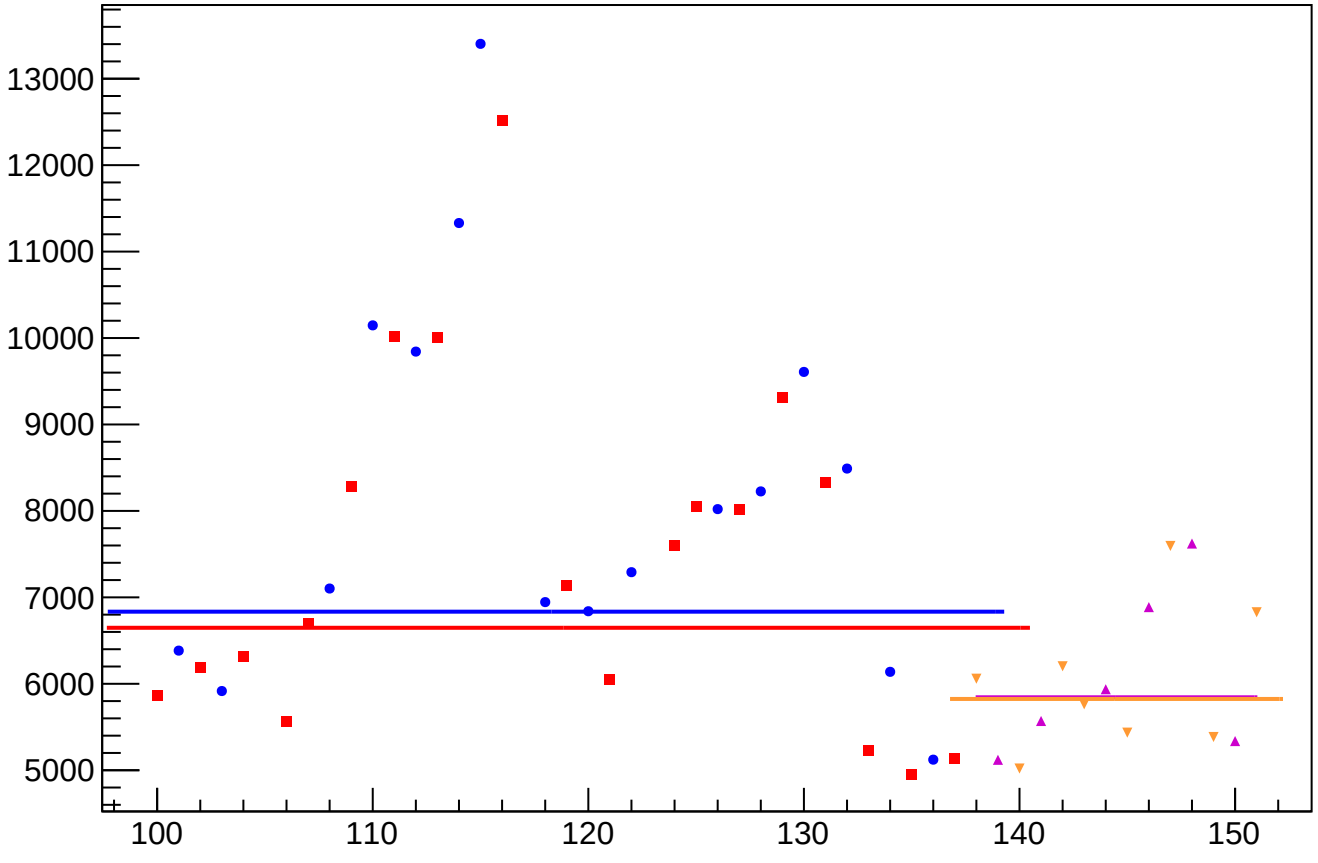
Left In: 3.395+/-2.587 χ^2/NDF:10.6/5

+ sign 0.200+/-1.755 χ^2/NDF: 19.7/23

All: 2.203+/-1.257 χ^2/NDF: 51.4/48

- sign 4.313+/-1.801 χ^2/NDF: 29.0/24

diff_bpm_4eY_4ecY_avg_rms vs Slug



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

Left Out: 5824.710+/-1.677 χ^2/NDF:191381.2/7

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

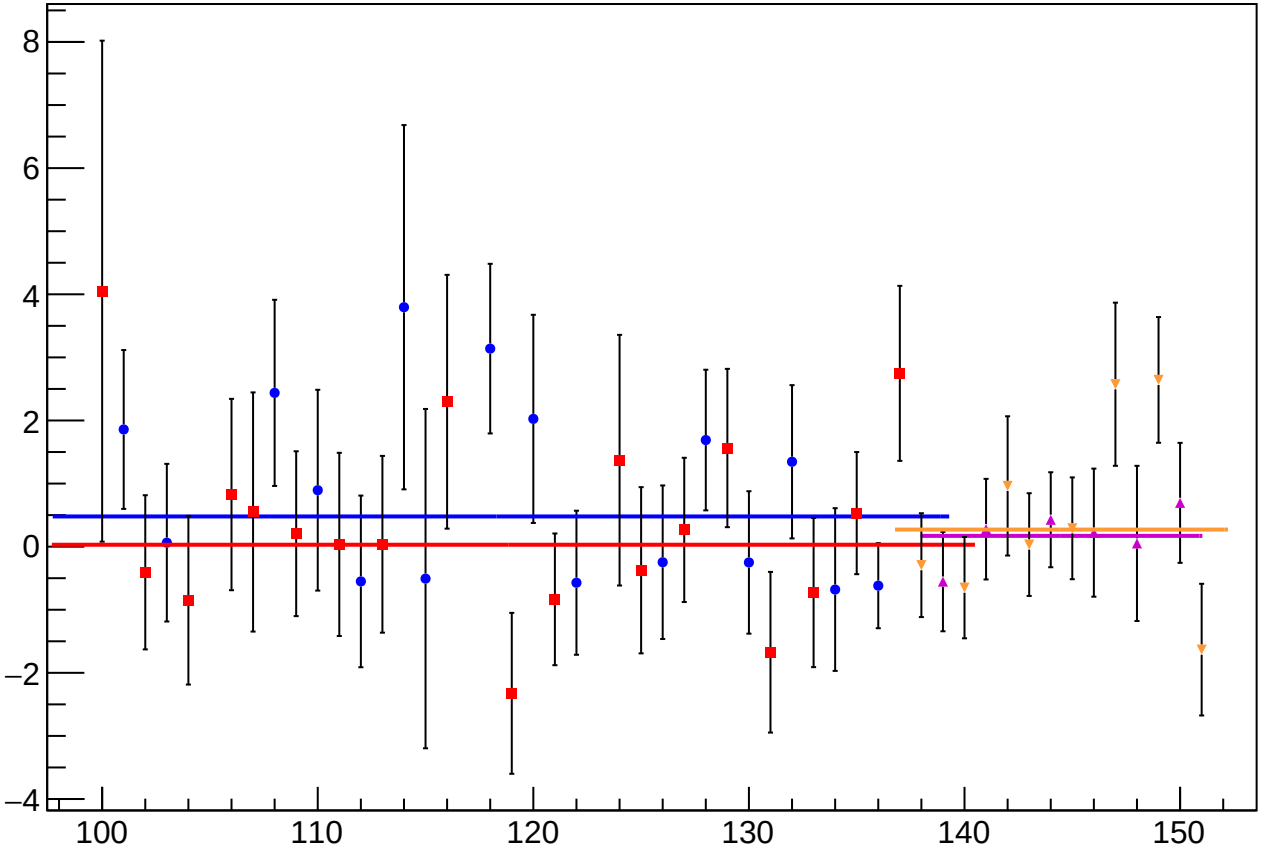
Left In: 5844.017+/-1.829 χ^2/NDF:183297.3/5

+ sign 6281.754+/-1.241 χ^2/NDF: 1048137.6/23

All: 6270.414+/-0.889 χ^2/NDF: 2116288.3/48

- sign 6258.472+/-1.273 χ^2/NDF: 1067979.2/24

diff_bpm_4eY_4ecY_dd_mean vs Slug



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: 0.271+/-0.326 χ^2/NDF:14.4/7

Right Out: 0.030+/-0.309 χ^2/NDF: 15.7/18

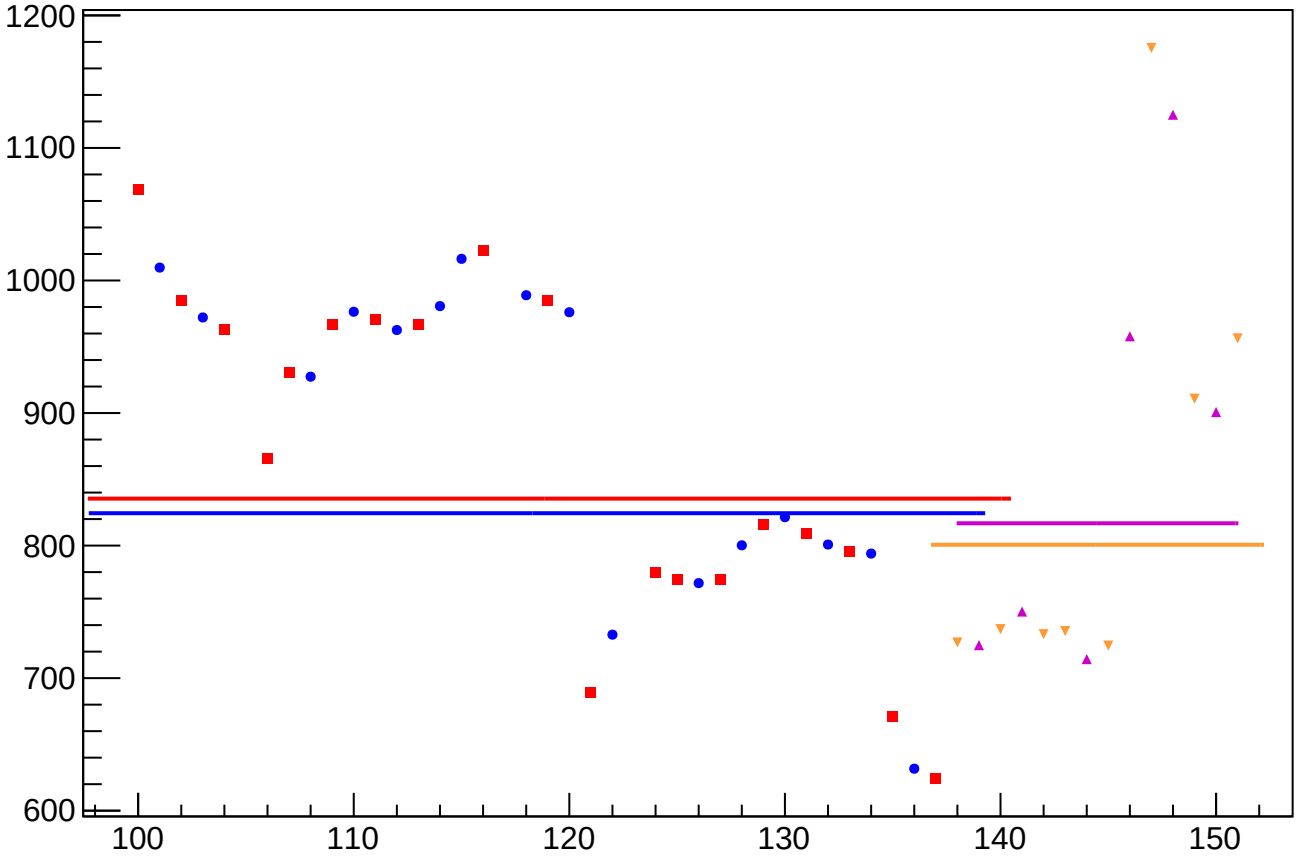
Left In: 0.171+/-0.361 χ^2/NDF:1.3/5

+ sign 0.380+/-0.225 χ^2/NDF: 31.4/23

All: 0.241+/-0.162 χ^2/NDF: 49.3/48

- sign 0.090+/-0.234 χ^2/NDF: 17.1/24

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 800.641+/-0.230 χ^2/NDF:303768.3/7

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

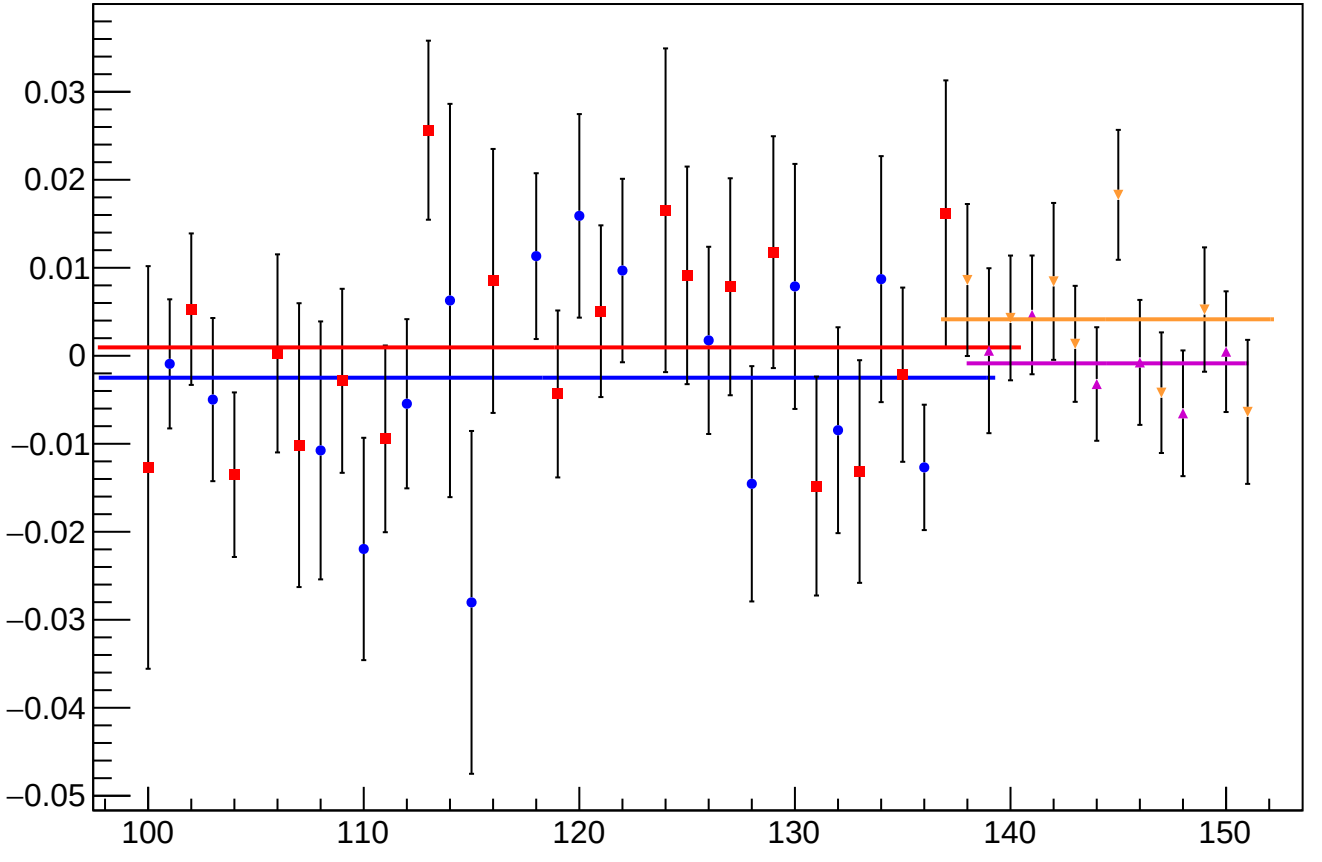
Left In: 816.819+/-0.255 χ^2/NDF:258106.2/5

+ sign 813.099+/-0.159 χ^2/NDF: 674811.9/23

All: 820.034+/-0.115 χ^2/NDF: 1259264.7/48

- sign 827.571+/-0.166 χ^2/NDF: 580484.9/24

diff_dispE_bpm12X_mean vs Slug



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.004+/-0.003 χ^2/NDF:7.5/7

Right Out: 0.001+/-0.003 χ^2/NDF: 17.3/18

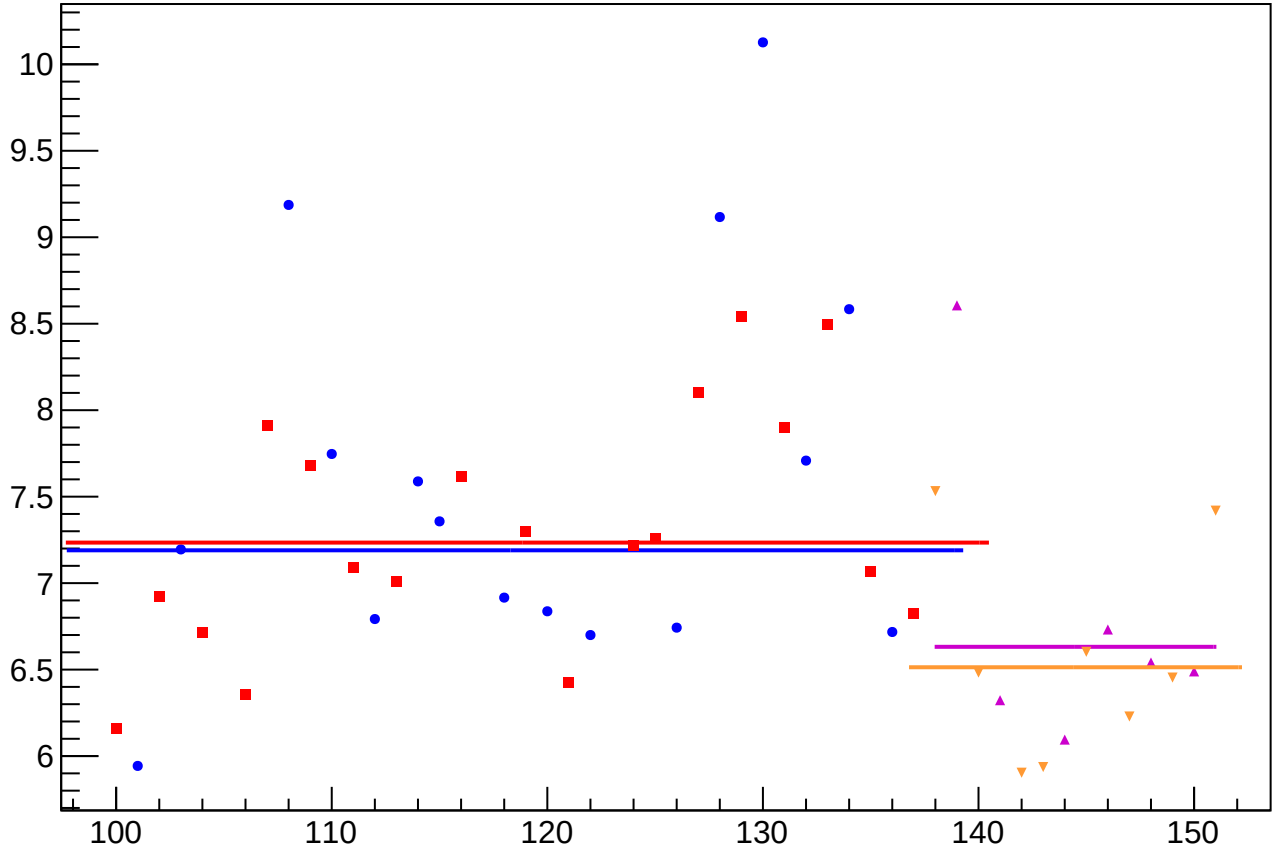
Left In: -0.001+/-0.003 χ^2/NDF:1.5/5

+ sign 0.001+/-0.002 χ^2/NDF: 25.9/23

All: 0.001+/-0.001 χ^2/NDF: 45.0/48

- sign 0.000+/-0.002 χ^2/NDF: 19.0/24

diff_dispE_bpm12X_rms vs Slug



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 6.514+/-0.002 χ^2/NDF:80901.4/7

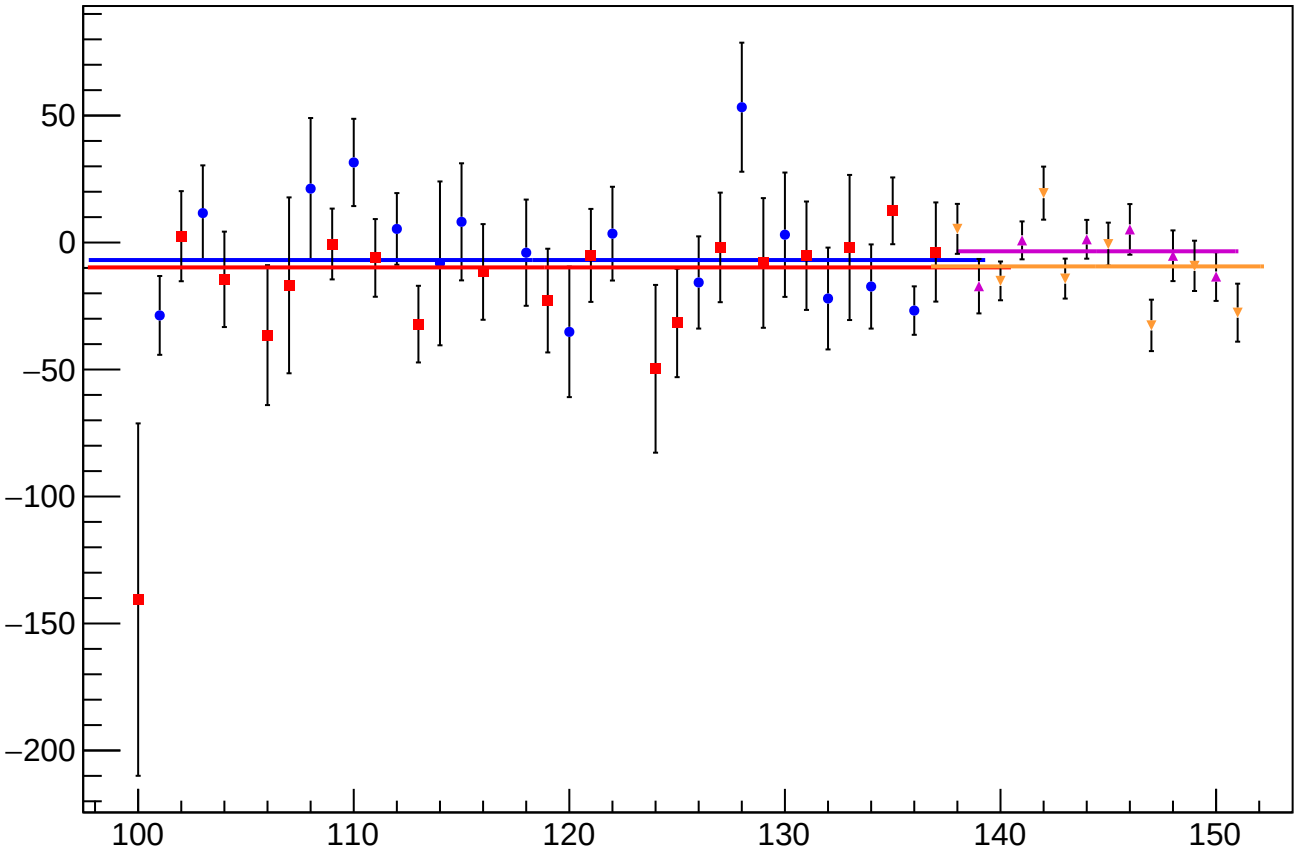
Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 6.632+/-0.002 χ^2/NDF:108352.4/5

+ sign 6.843+/-0.001 χ^2/NDF: 422461.9/23

All: 6.899+/-0.001 χ^2/NDF: 687522.6/48

- sign 6.960+/-0.001 χ^2/NDF: 261354.5/24



Right In: -6.891+/-4.488 χ^2/NDF: 23.0/15

Left Out: -9.399+/-3.255 χ^2/NDF:19.7/7

Right Out: -9.790+/-4.517 χ^2/NDF: 14.0/18

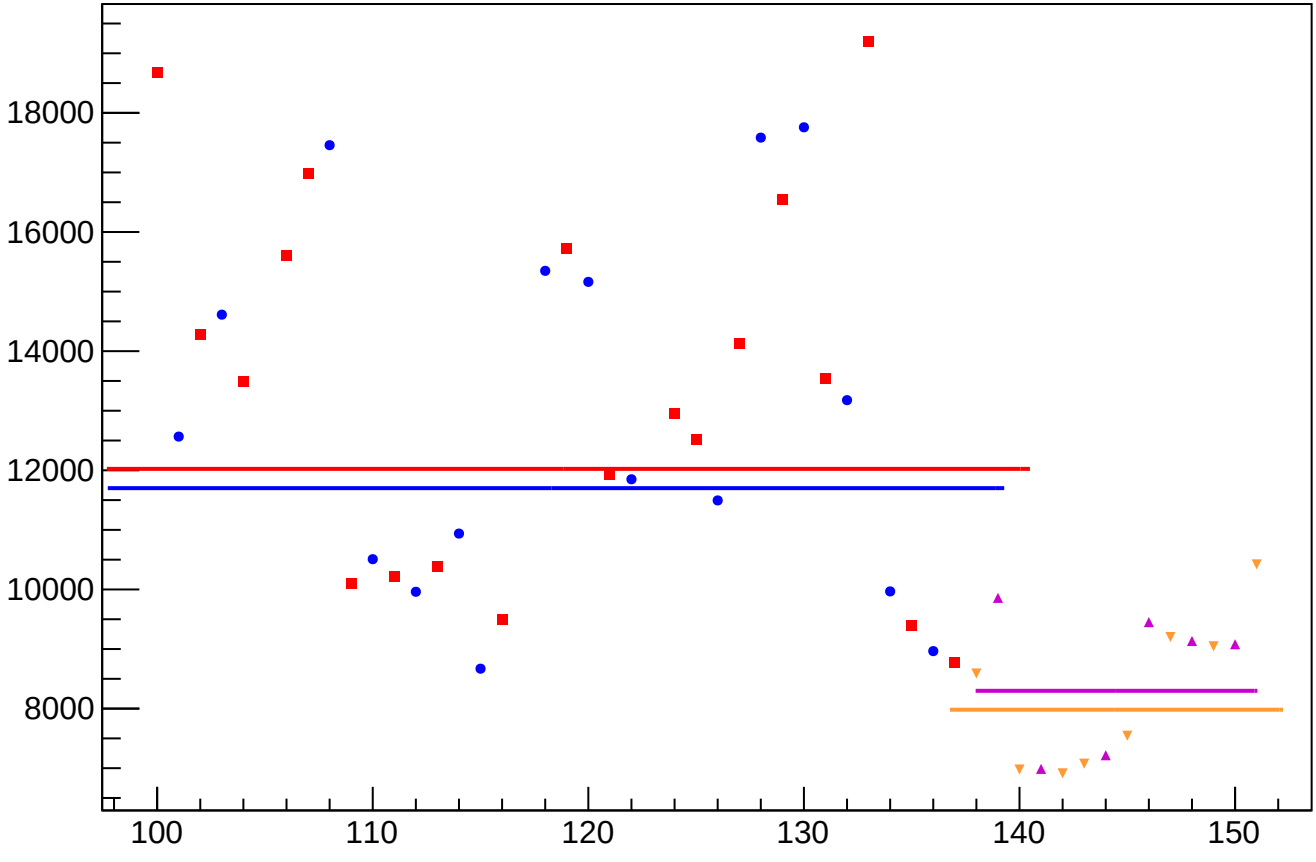
Left In: -3.450+/-3.657 χ^2/NDF:4.2/5

+ sign -8.535+/-2.635 χ^2/NDF: 42.9/23

All: -7.345+/-1.932 χ^2/NDF: 62.8/48

- sign -5.961+/-2.843 χ^2/NDF: 19.4/24

diff_targ_positionX_rms vs Slug



Right In: 11700.622+/-3.174 χ^2/NDF: 740185.3/15

Left Out: 7981.432+/-2.301 χ^2/NDF:238411.6/7

Right Out: 12024.262+/-3.194 χ^2/NDF: 684788.9/18

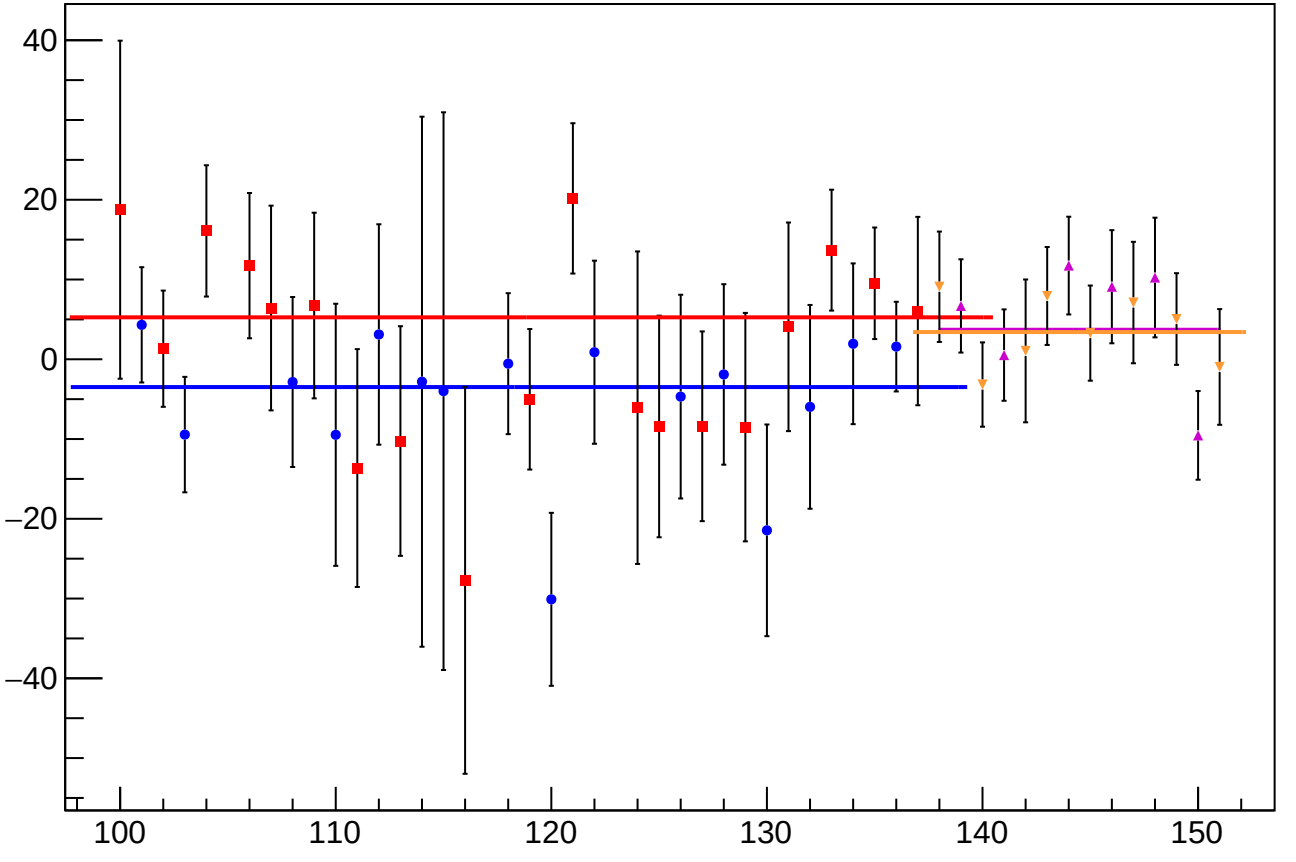
Left In: 8298.771+/-2.586 χ^2/NDF:198185.9/5

+ sign 9263.132+/-1.863 χ^2/NDF: 1878610.4/23

All: 9499.178+/-1.366 χ^2/NDF: 3617983.5/48

- sign 9773.906+/-2.010 χ^2/NDF: 1704639.9/24

diff_targ_positionY_mean vs Slug



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 3.413+/-2.292 χ^2/NDF:3.5/7

Right Out: 5.259+/-2.446 χ^2/NDF: 16.6/18

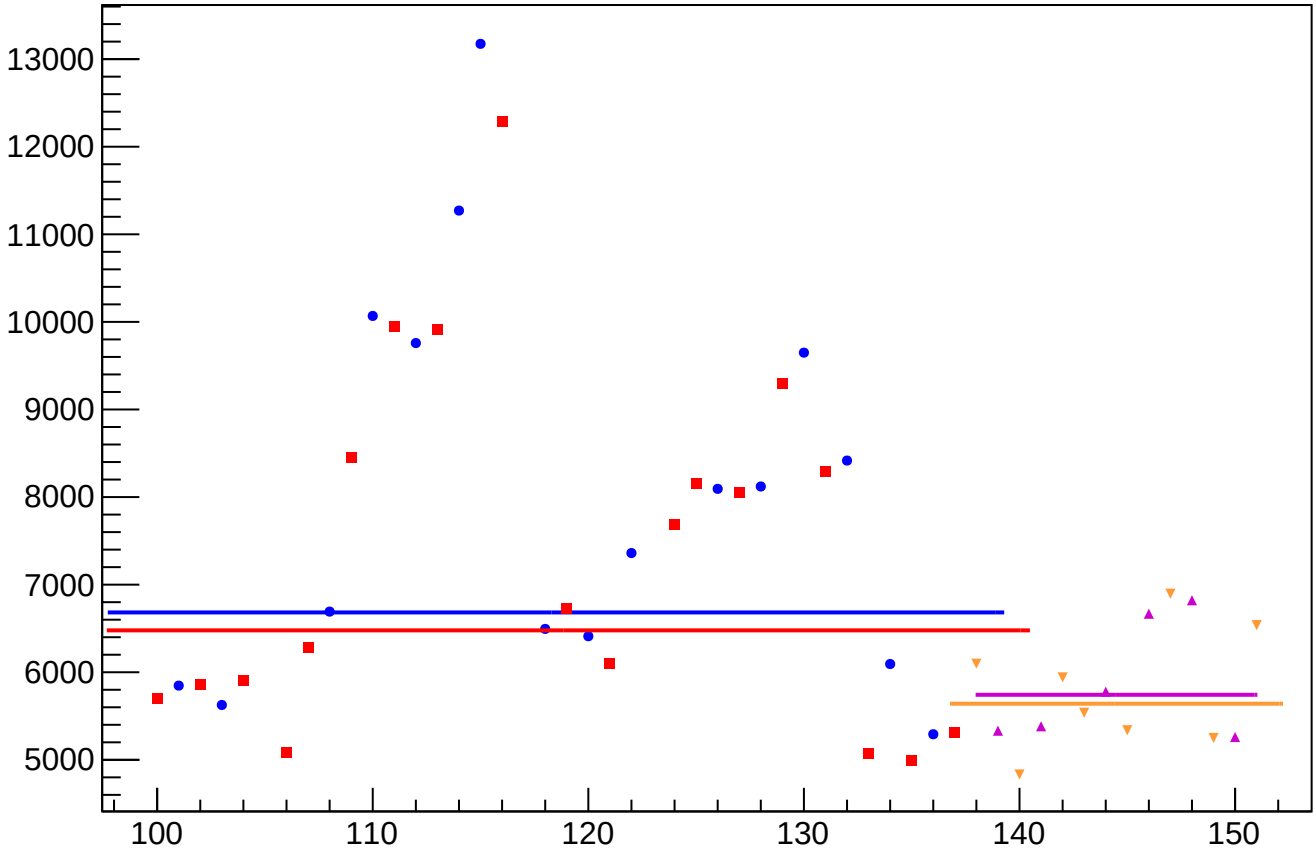
Left In: 3.701+/-2.529 χ^2/NDF:9.3/5

+ sign 0.330+/-1.705 χ^2/NDF: 19.1/23

All: 2.353+/-1.224 χ^2/NDF: 48.1/48

- sign 4.506+/-1.758 χ^2/NDF: 26.1/24

diff_targ_positionY_rms vs Slug



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 5640.848+/-1.621 χ^2/NDF:157637.3/7

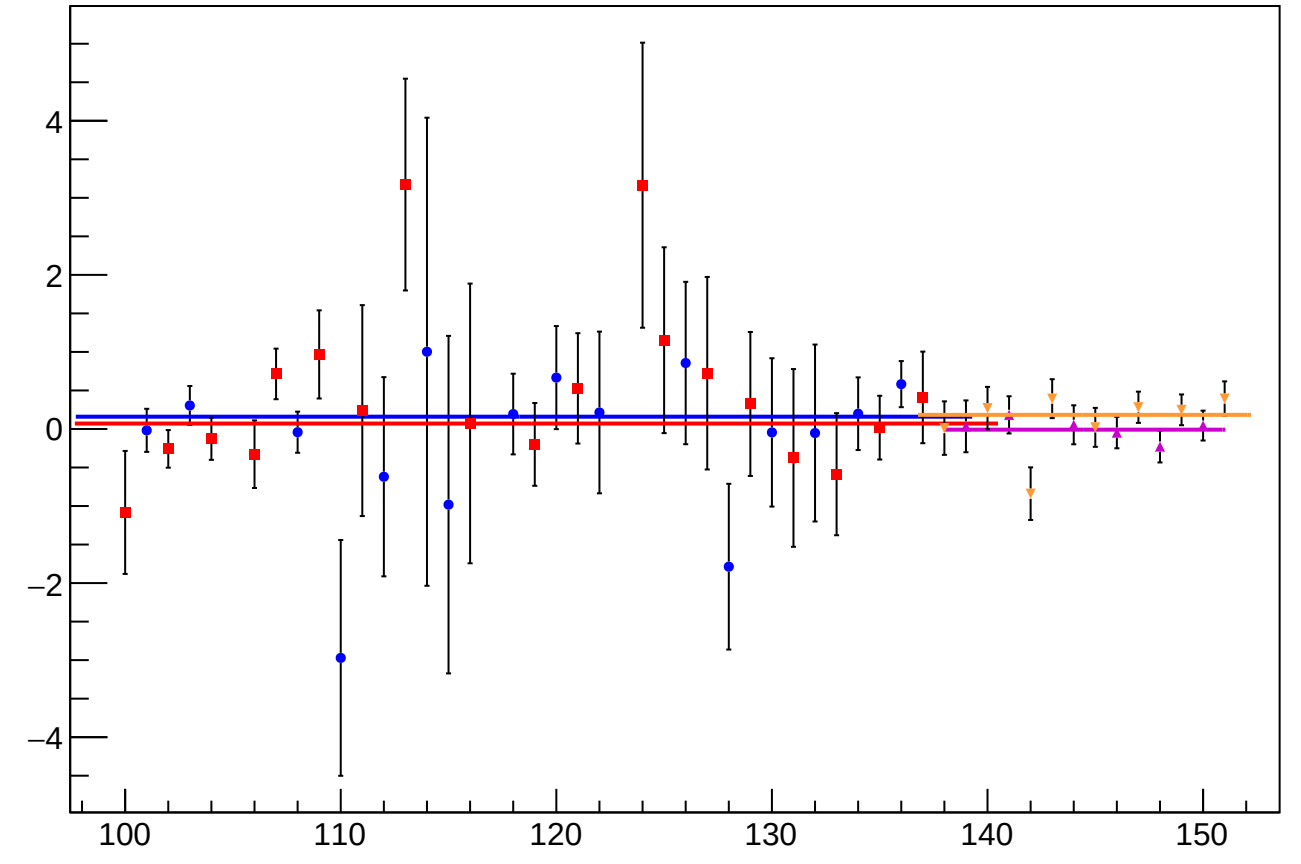
Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

Left In: 5742.548+/-1.788 χ^2/NDF:108268.9/5

+ sign 6106.684+/-1.205 χ^2/NDF: 1034615.7/23

All: 6114.385+/-0.865 χ^2/NDF: 2069598.5/48

- sign 6122.579+/-1.243 χ^2/NDF: 1034898.5/24



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.183+/-0.087 χ^2/NDF:11.7/7

Right Out: 0.070+/-0.120 χ^2/NDF: 22.5/18

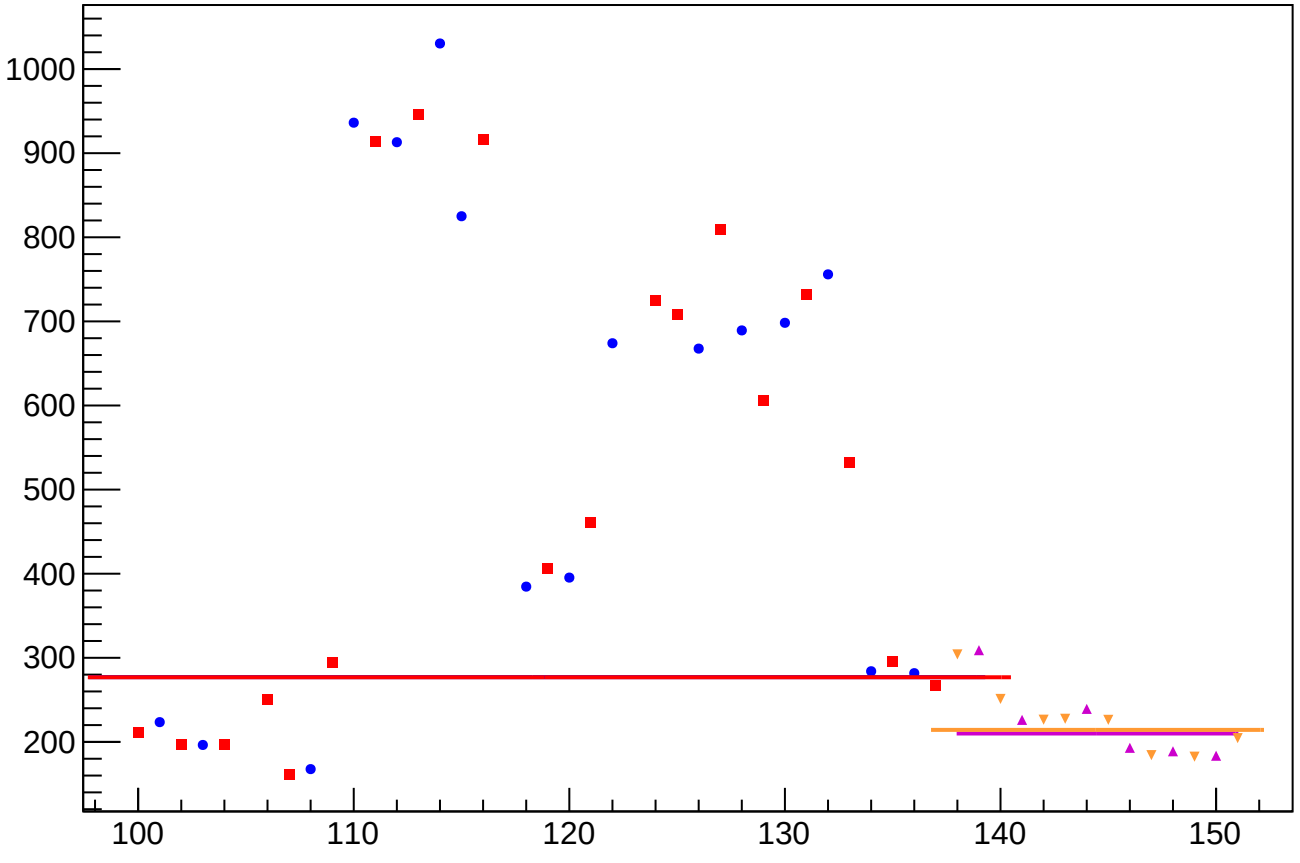
Left In: -0.009+/-0.093 χ^2/NDF:2.0/5

+ sign 0.175+/-0.071 χ^2/NDF: 24.3/23

All: 0.101+/-0.051 χ^2/NDF: 51.2/48

- sign 0.021+/-0.073 χ^2/NDF: 24.7/24

diff_targ_thetaX_rms vs Slug



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 214.304+/-0.062 χ^2/NDF:280550.8/7

Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

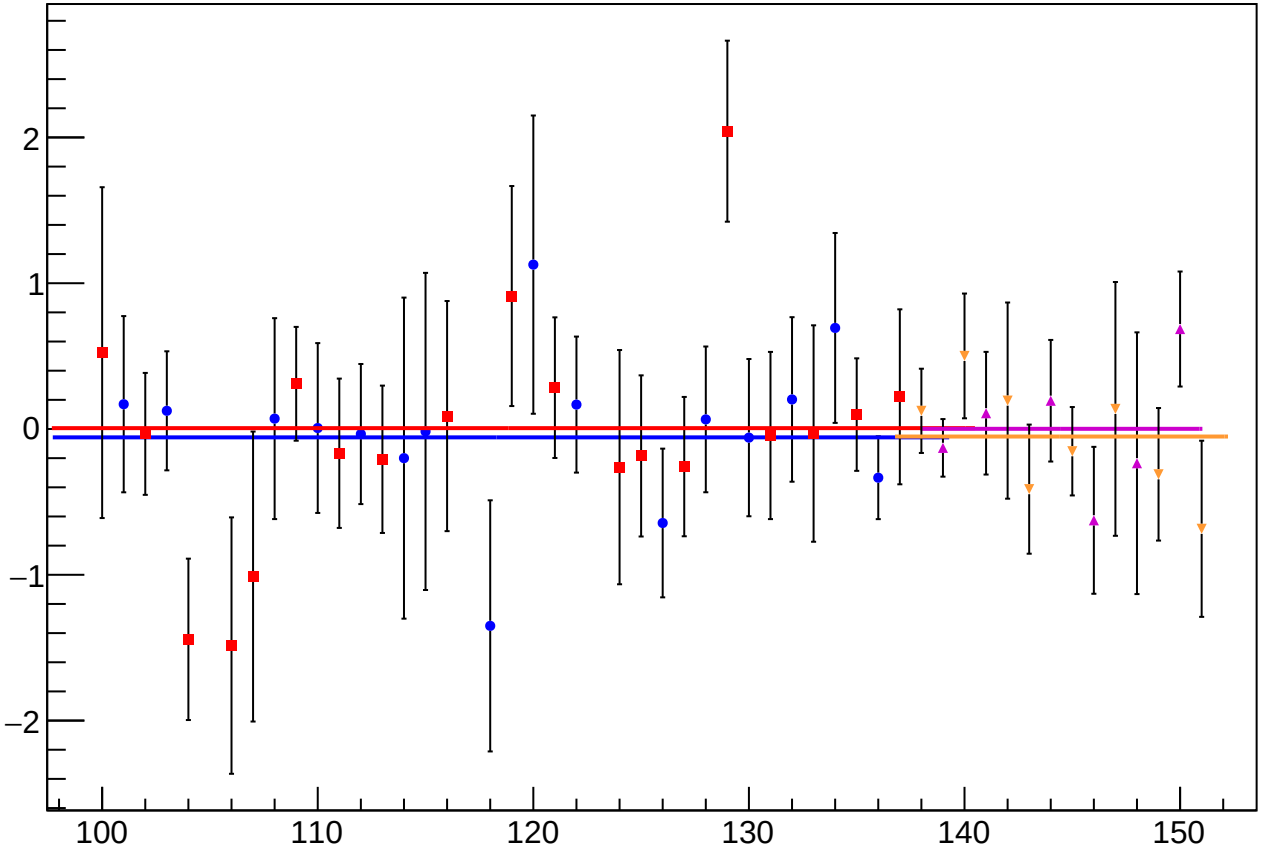
Left In: 210.010+/-0.066 χ^2/NDF:281474.9/5

+ sign 236.141+/-0.050 χ^2/NDF: 4089625.3/23

All: 235.656+/-0.036 χ^2/NDF: 8332396.8/48

- sign 235.132+/-0.052 χ^2/NDF: 4242575.1/24

diff_targ_thetaY_mean vs Slug



Right In: -0.057+/-0.134 χ^2/NDF: 8.1/15

Left Out: -0.052+/-0.150 χ^2/NDF:4.4/7

Right Out: 0.006+/-0.129 χ^2/NDF: 25.2/18

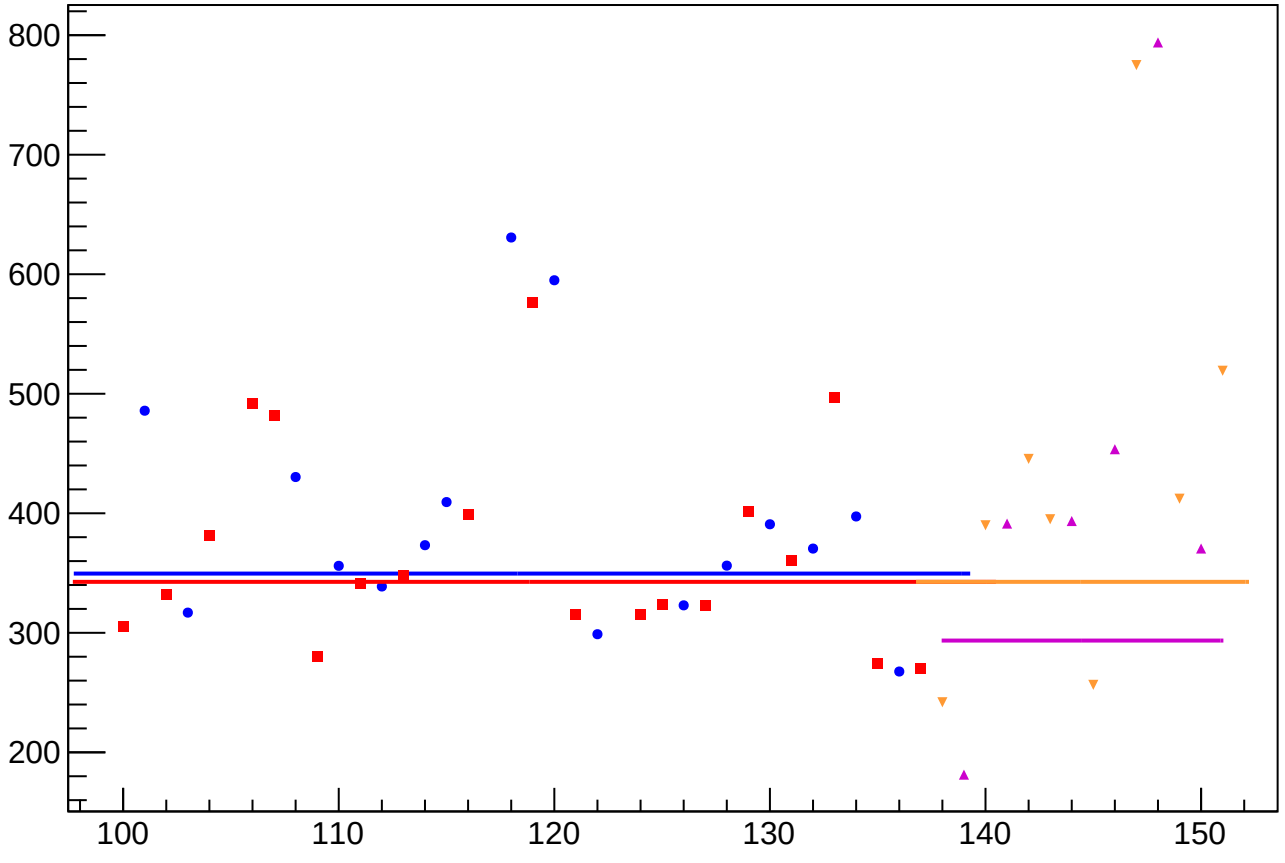
Left In: 0.001+/-0.143 χ^2/NDF:5.3/5

+ sign -0.055+/-0.100 χ^2/NDF: 12.5/23

All: -0.024+/-0.069 χ^2/NDF: 43.2/48

- sign 0.004+/-0.096 χ^2/NDF: 30.5/24

diff_targ_thetaY_rms vs Slug



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 342.641+/-0.106 χ^2/NDF:1215043.8/7

Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

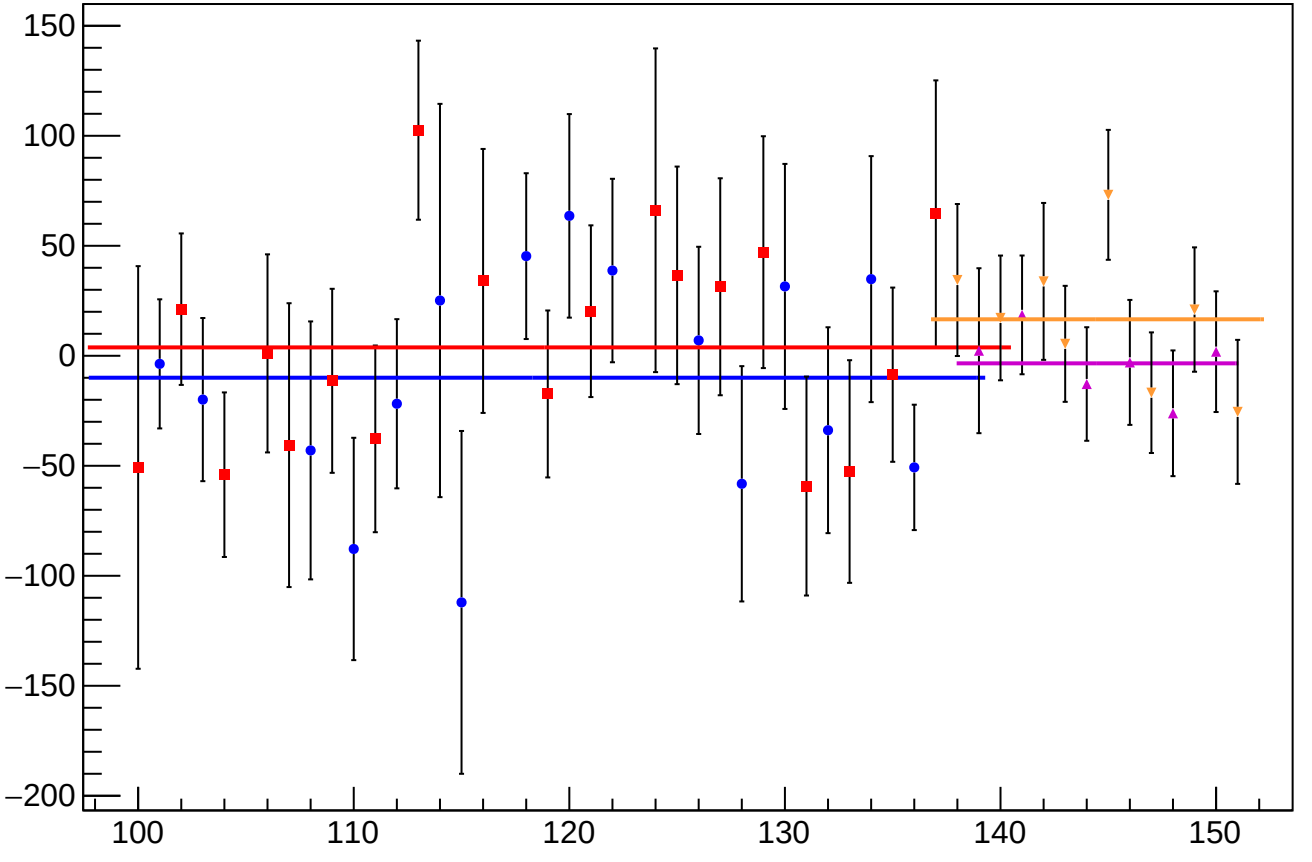
Left In: 293.517+/-0.101 χ^2/NDF:1767891.4/5

+ sign 346.491+/-0.071 χ^2/NDF: 1916720.2/23

All: 333.067+/-0.049 χ^2/NDF: 4459722.6/48

- sign 320.682+/-0.068 χ^2/NDF: 2473447.6/24

diff_bpmE_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 16.585+/-10.559 χ^2/NDF:7.5/7

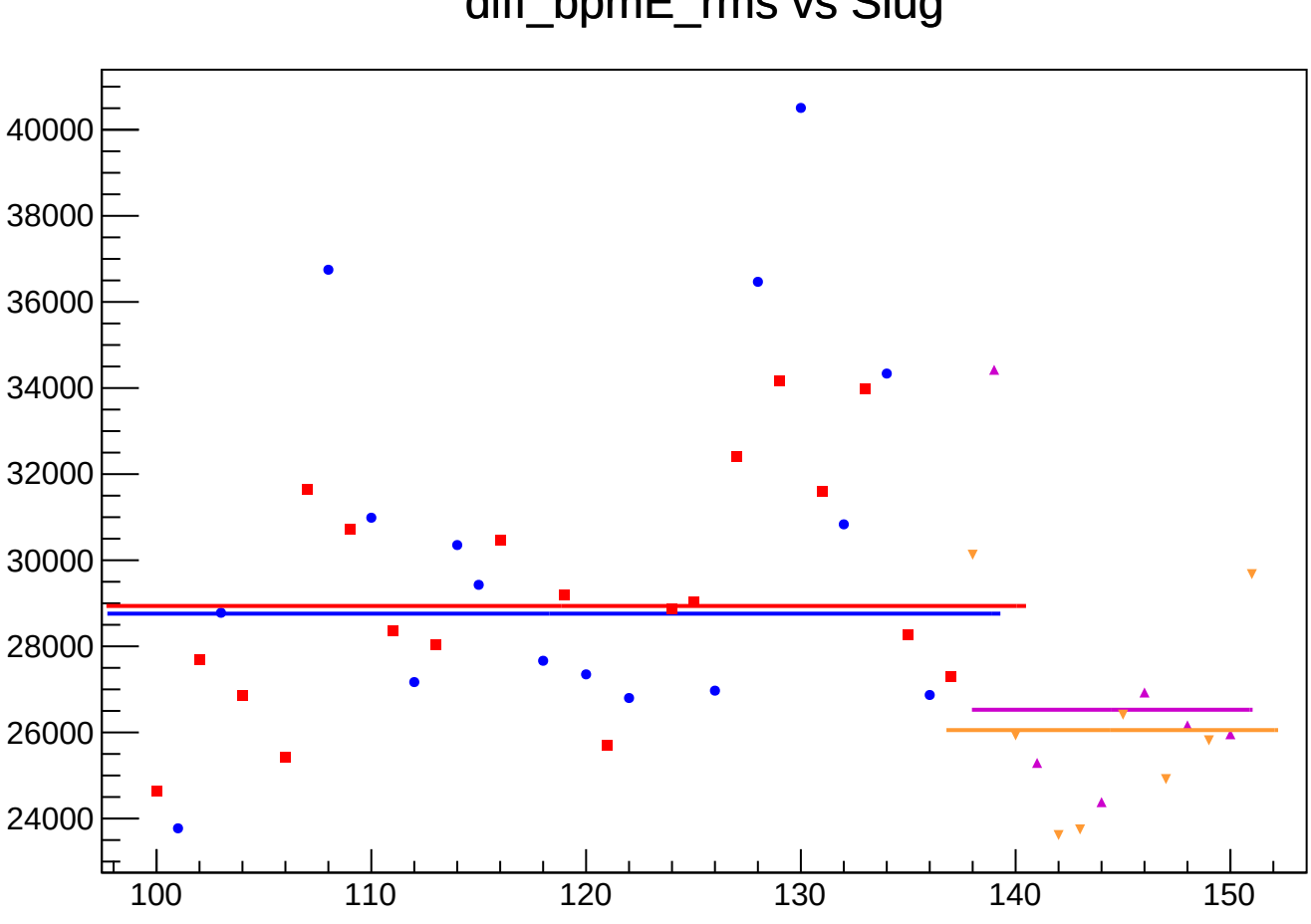
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -3.436+/-11.641 χ^2/NDF:1.5/5

+ sign 3.652+/-7.563 χ^2/NDF: 25.9/23

All: 2.143+/-5.447 χ^2/NDF: 45.0/48

- sign 0.515+/-7.852 χ^2/NDF: 19.0/24



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 26054.212+/-7.466 χ^2/NDF:80901.4/7

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

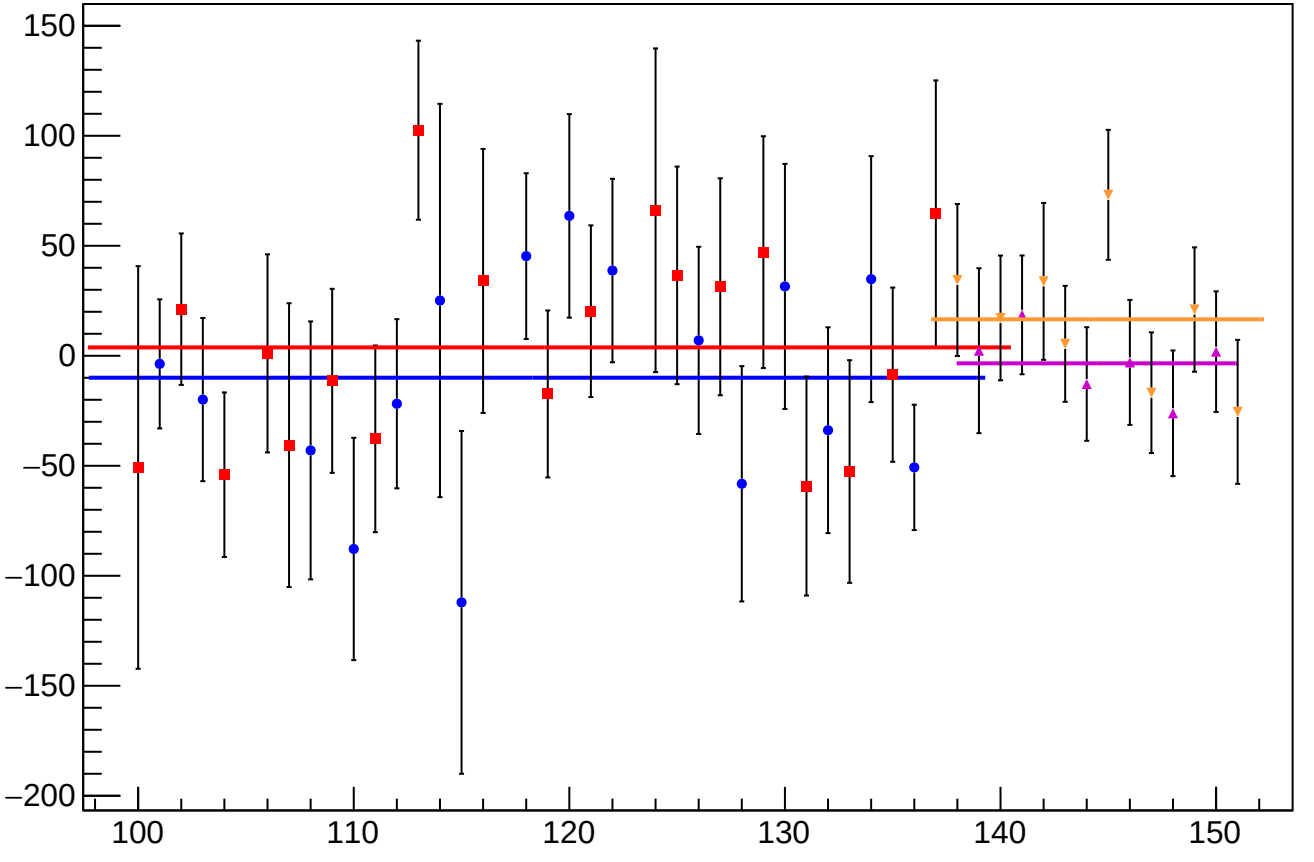
Left In: 26527.155+/-8.232 χ^2/NDF:108352.4/5

\+ sign 27371.621+/-5.348 χ^2/NDF: 422461.9/23

All: 27597.451+/-3.852 χ^2/NDF: 687522.6/48

\- sign 27840.916+/-5.552 χ^2/NDF: 261354.5/24

diff_bpmEX_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 16.585+/-10.559 χ^2/NDF:7.5/7

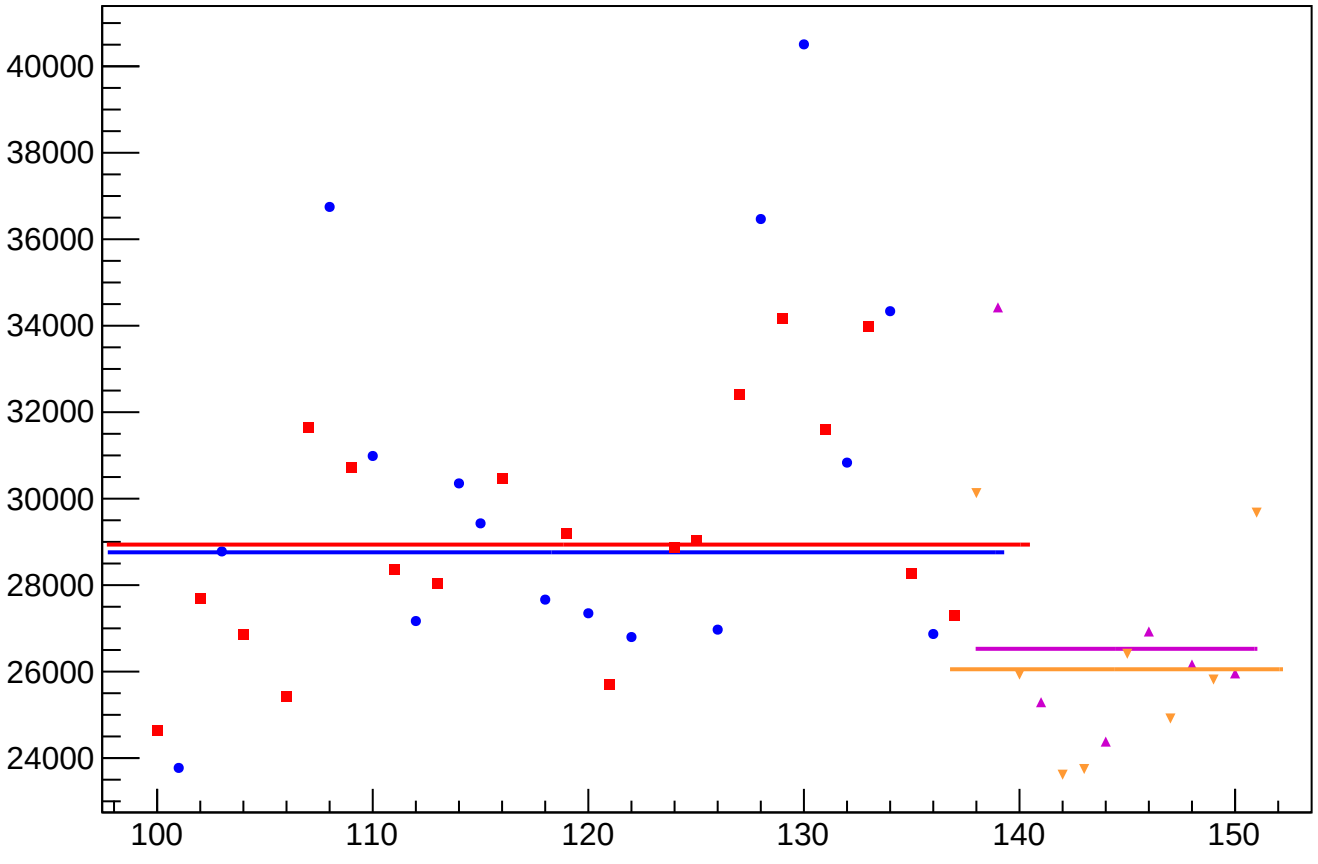
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -3.436+/-11.641 χ^2/NDF:1.5/5

\+ sign 3.652+/-7.563 χ^2/NDF: 25.9/23

All: 2.143+/-5.447 χ^2/NDF: 45.0/48

\- sign 0.515+/-7.852 χ^2/NDF: 19.0/24



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 26054.212+/-7.466 χ^2/NDF:80901.4/7

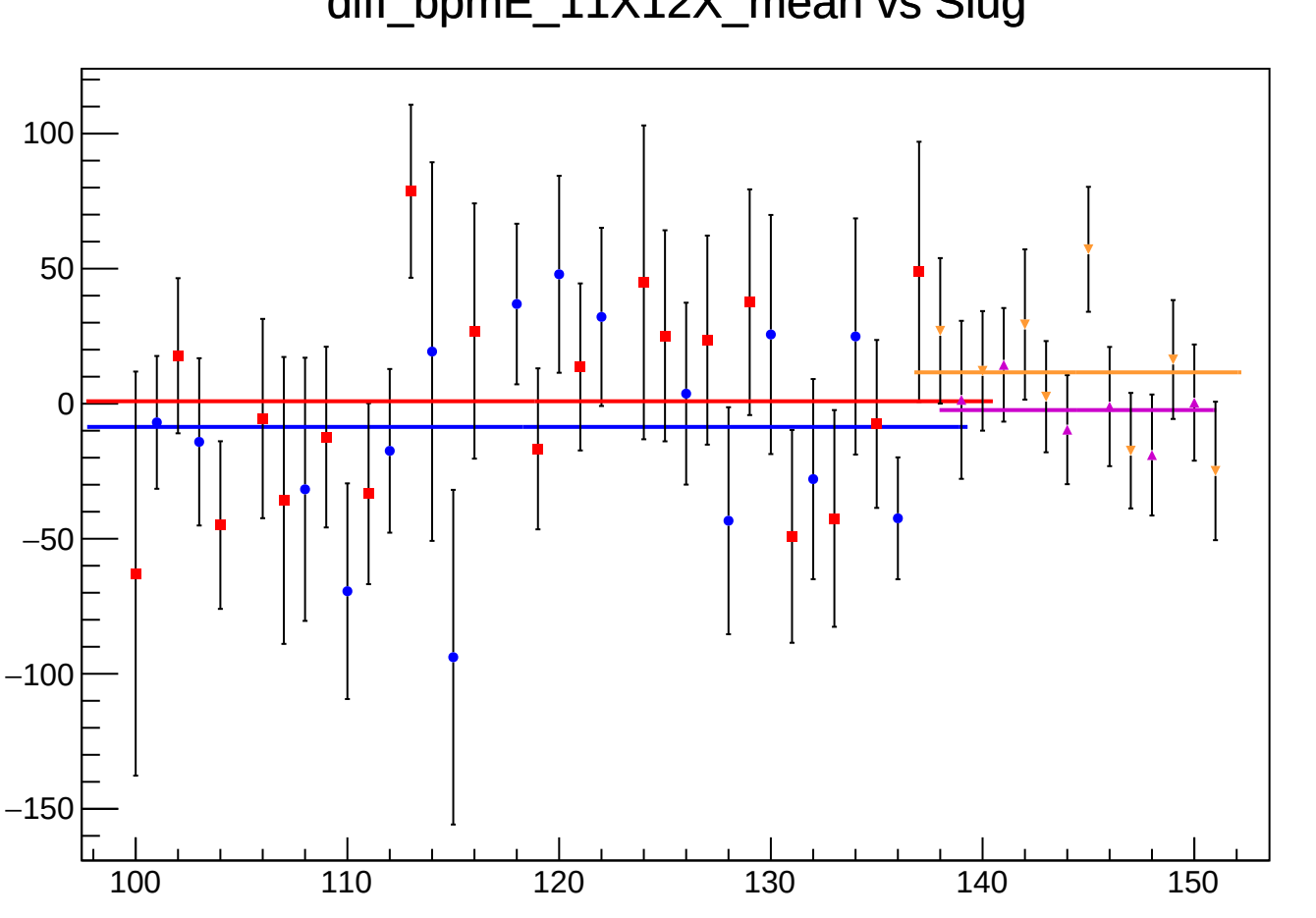
Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 26527.155+/-8.232 χ^2/NDF:108352.4/5

\+ sign 27371.621+/-5.348 χ^2/NDF: 422461.9/23

All: 27597.451+/-3.852 χ^2/NDF: 687522.6/48

\- sign 27840.916+/-5.552 χ^2/NDF: 261354.5/24



Right In: -8.599+/-8.678 χ^2/NDF: 15.5/15

Left Out: 11.600+/-8.244 χ^2/NDF:8.7/7

Right Out: 0.904+/-8.506 χ^2/NDF: 17.6/18

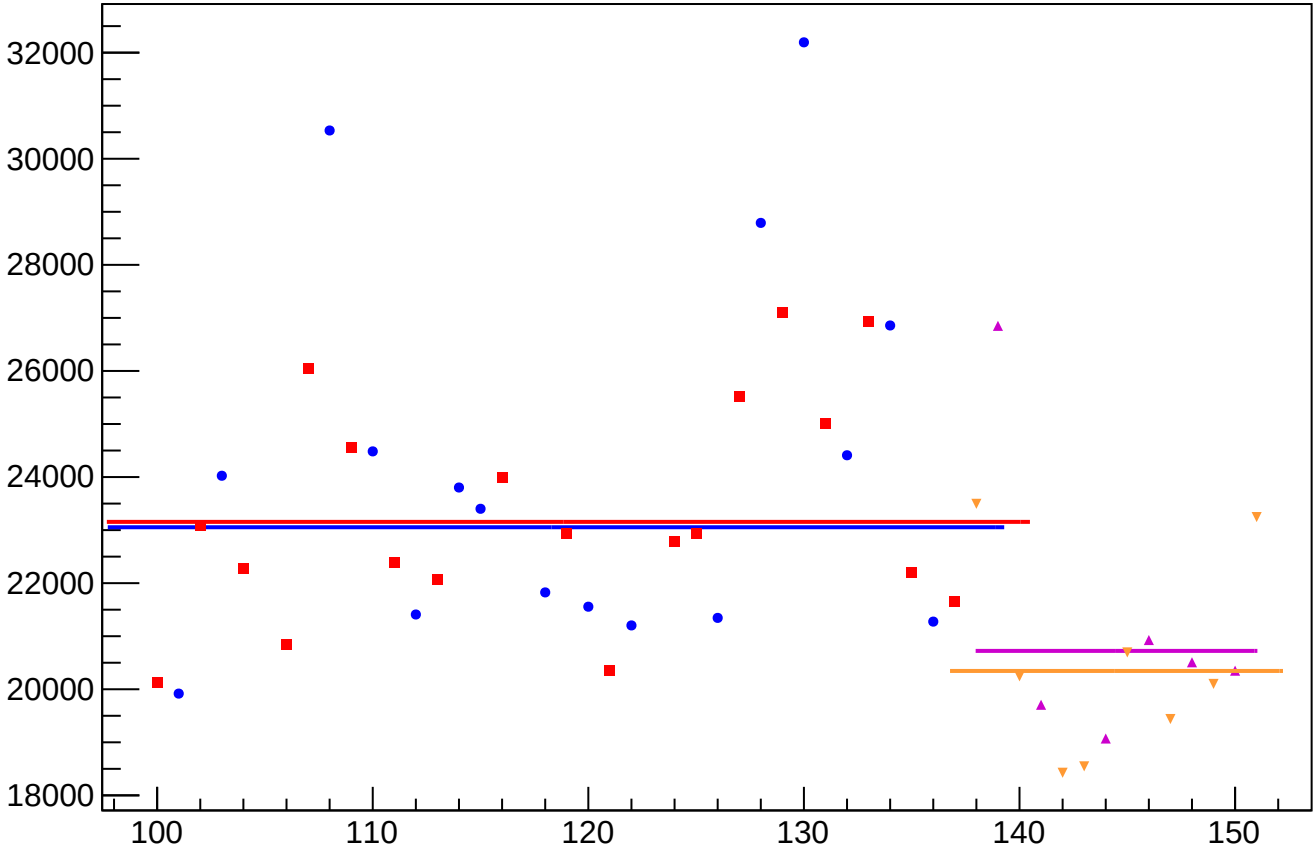
Left In: -2.360+/-9.094 χ^2/NDF:1.4/5

+ sign 2.018+/-5.977 χ^2/NDF: 27.1/23

All: 0.750+/-4.307 χ^2/NDF: 46.2/48

- sign -0.619+/-6.212 χ^2/NDF: 19.0/24

diff_bpmE_11X12X_rms vs Slug



Right In: 23053.910+/-6.137 χ^2/NDF: 261444.9/15

Left Out: 20345.123+/-5.830 χ^2/NDF:82085.0/7

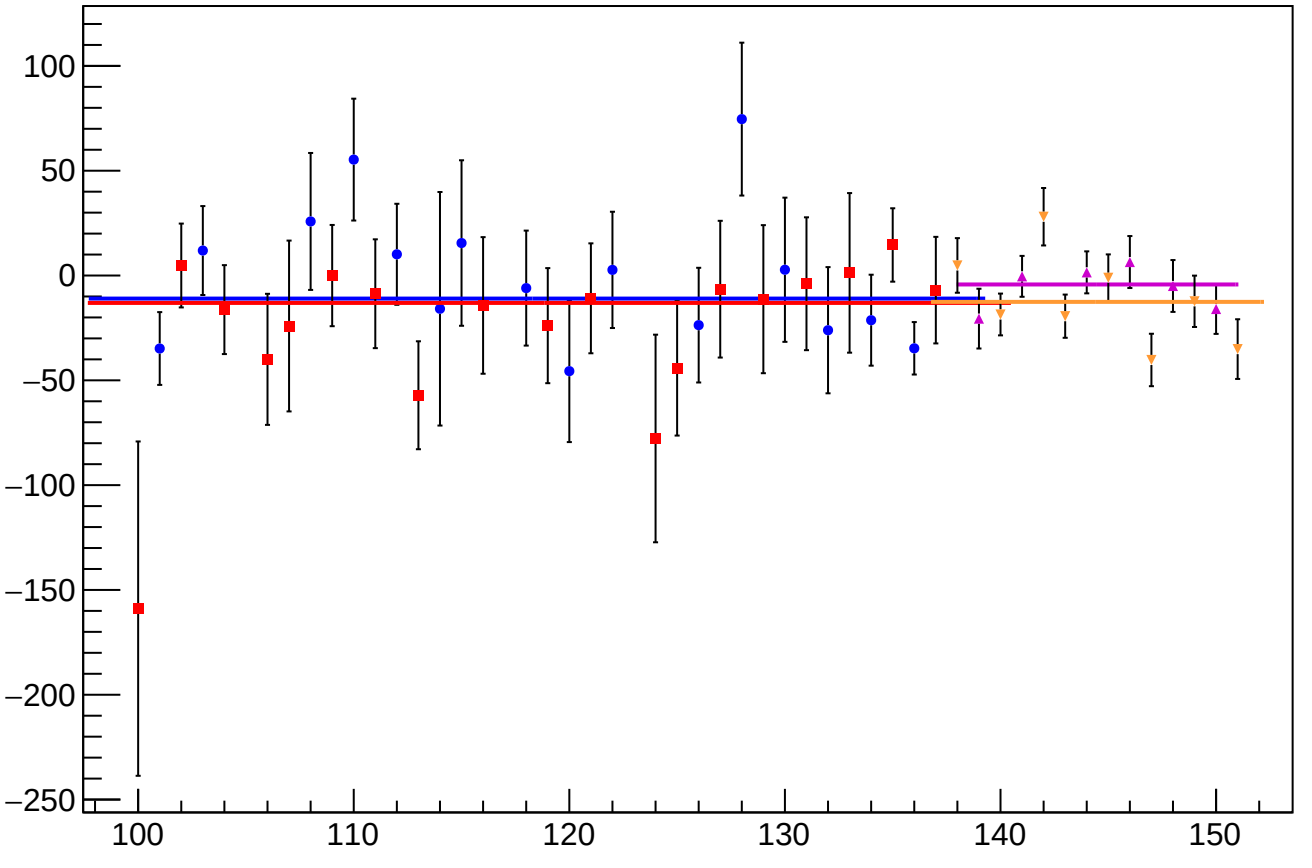
Right Out: 23155.251+/-6.015 χ^2/NDF: 93894.1/18

Left In: 20723.213+/-6.430 χ^2/NDF:106765.1/5

+ sign 21630.089+/-4.227 χ^2/NDF: 445948.3/23

All: 21817.716+/-3.046 χ^2/NDF: 727004.8/48

- sign 22020.371+/-4.393 χ^2/NDF: 276957.3/24



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -12.571+/-4.199 χ^2/NDF:19.8/7

Right Out: -13.071+/-6.382 χ^2/NDF: 13.9/18

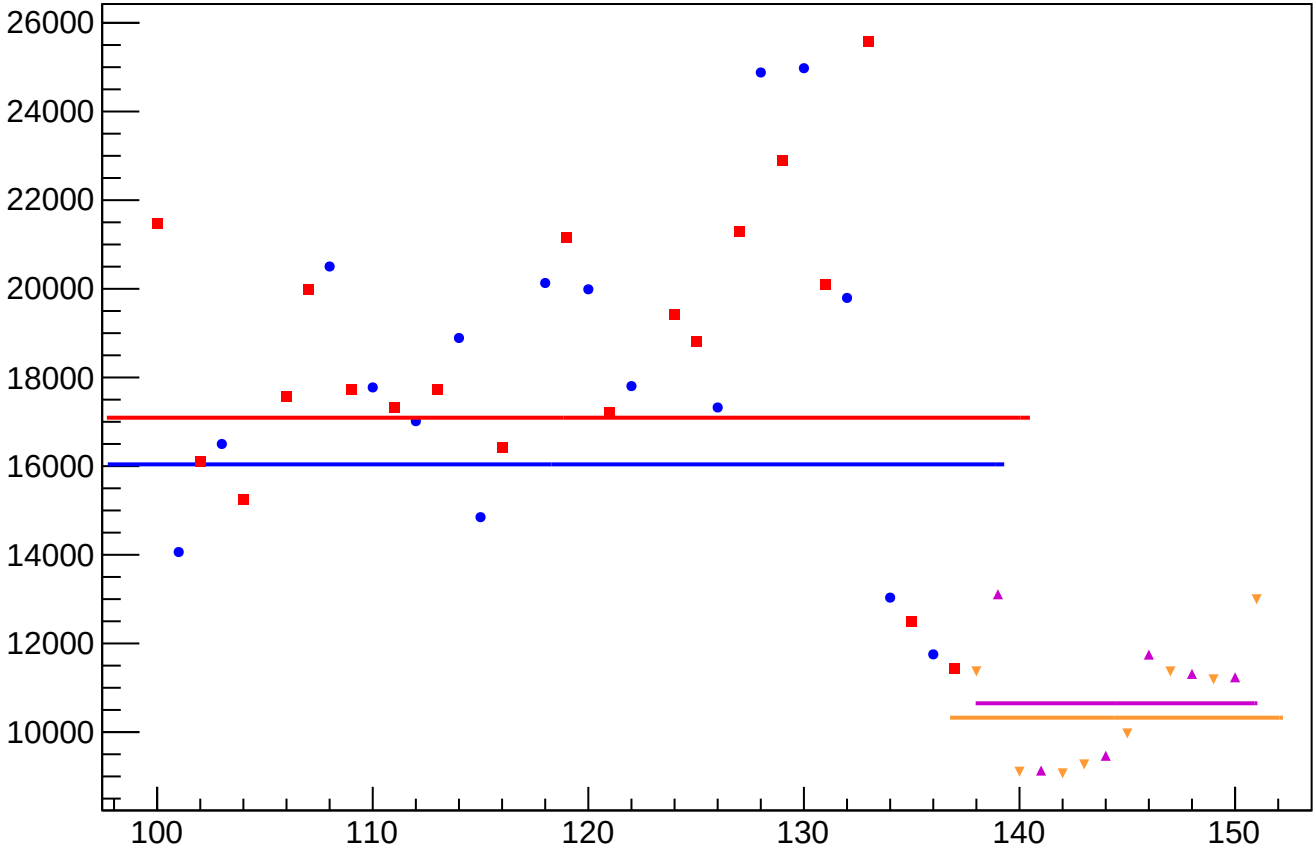
Left In: -4.267+/-4.686 χ^2/NDF:3.5/5

+ sign -12.073+/-3.468 χ^2/NDF: 41.9/23

All: -9.913+/-2.555 χ^2/NDF: 61.4/48

- sign -7.351+/-3.777 χ^2/NDF: 18.6/24

diff_bpm4aesumX_rms vs Slug



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 10325.414+/-2.969 χ^2/NDF:176768.2/7

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

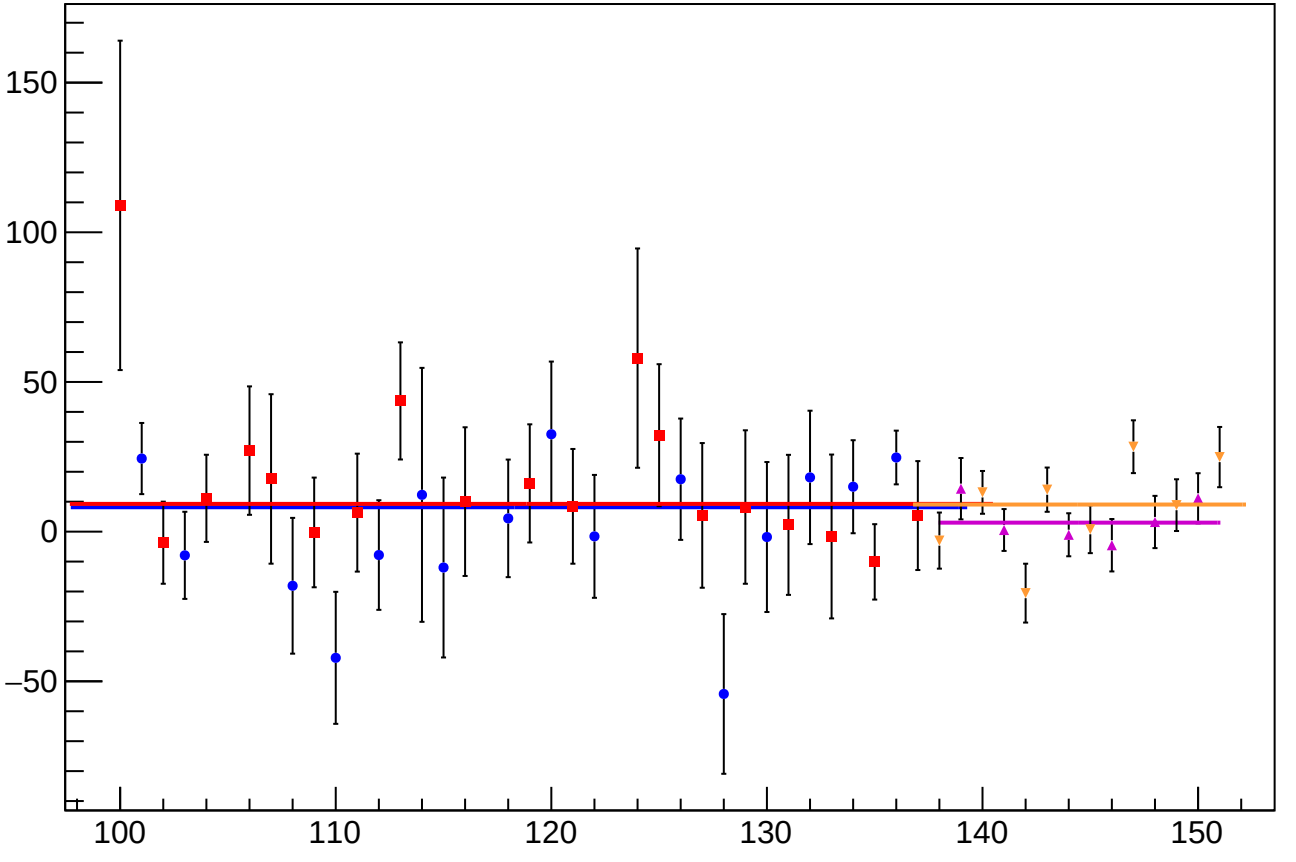
Left In: 10650.449+/-3.314 χ^2/NDF:162256.7/5

+ sign 12140.178+/-2.453 χ^2/NDF: 2076044.0/23

All: 12491.046+/-1.806 χ^2/NDF: 4142576.0/4

- sign 12907.160+/-2.671 χ^2/NDF: 2021793.1/24

diff_bpm4aediffX_mean vs Slug



Right In: 8.150+/-4.423 χ^2/NDF: 21.8/15

Left Out: 9.055+/-2.997 χ^2/NDF:19.8/7

Right Out: 9.270+/-4.607 χ^2/NDF: 13.9/18

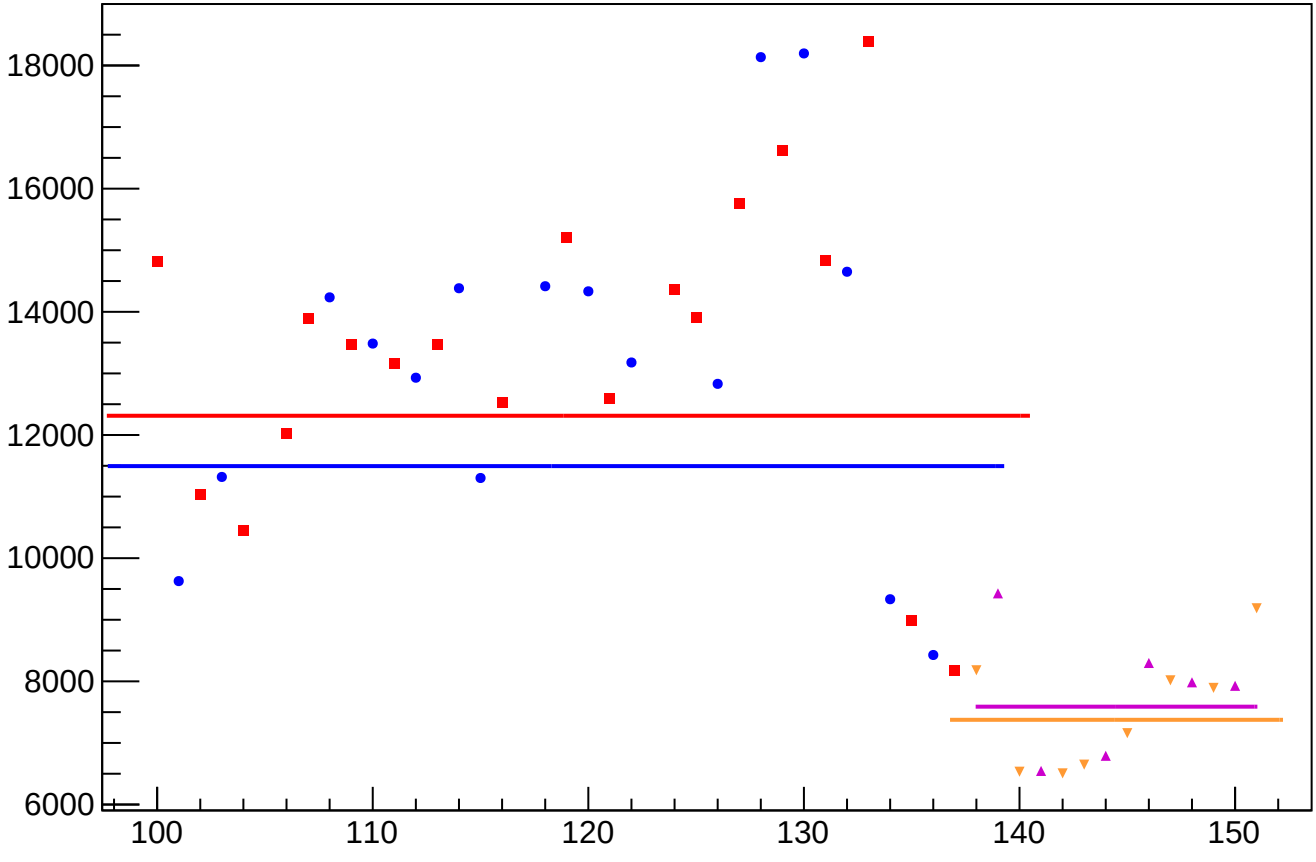
Left In: 3.001+/-3.338 χ^2/NDF:3.4/5

+ sign 8.770+/-2.481 χ^2/NDF: 41.6/23

All: 7.119+/-1.828 χ^2/NDF: 61.0/48

- sign 5.159+/-2.703 χ^2/NDF: 18.4/24

diff_bpm4aediffX_rms vs Slug



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 7375.668+/-2.119 χ^2/NDF:161551.8/7

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

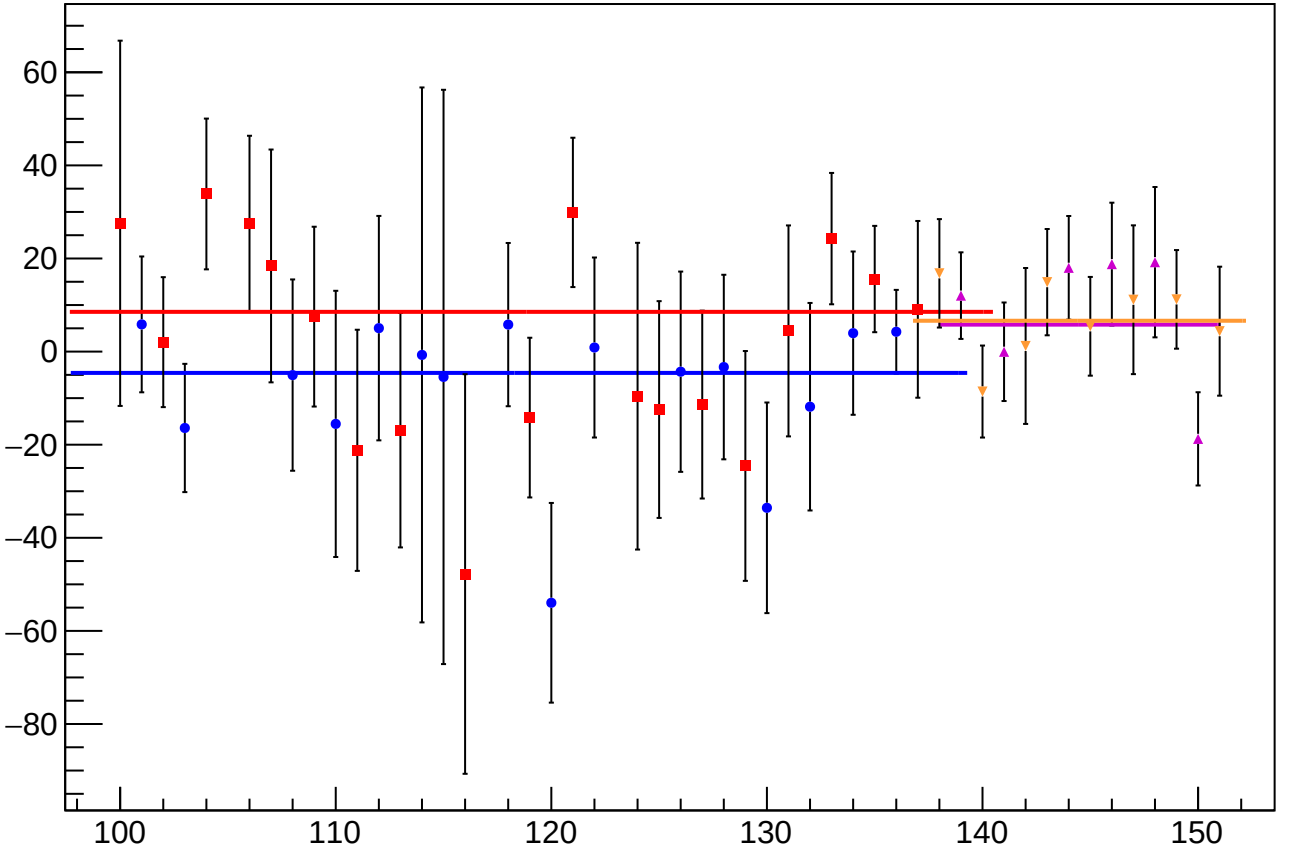
Left In: 7588.991+/-2.360 χ^2/NDF:154104.3/5

+ sign 8671.920+/-1.754 χ^2/NDF: 2140513.9/23

All: 8920.198+/-1.292 χ^2/NDF: 4315849.7/48

- sign 9214.890+/-1.911 χ^2/NDF: 2131535.3/24

diff_bpm4aesumY_mean vs Slug



Right In: -4.578+/-4.554 χ^2/NDF: 10.2/15

Left Out: 6.625+/-4.234 χ^2/NDF:4.1/7

Right Out: 8.537+/-4.392 χ^2/NDF: 17.2/18

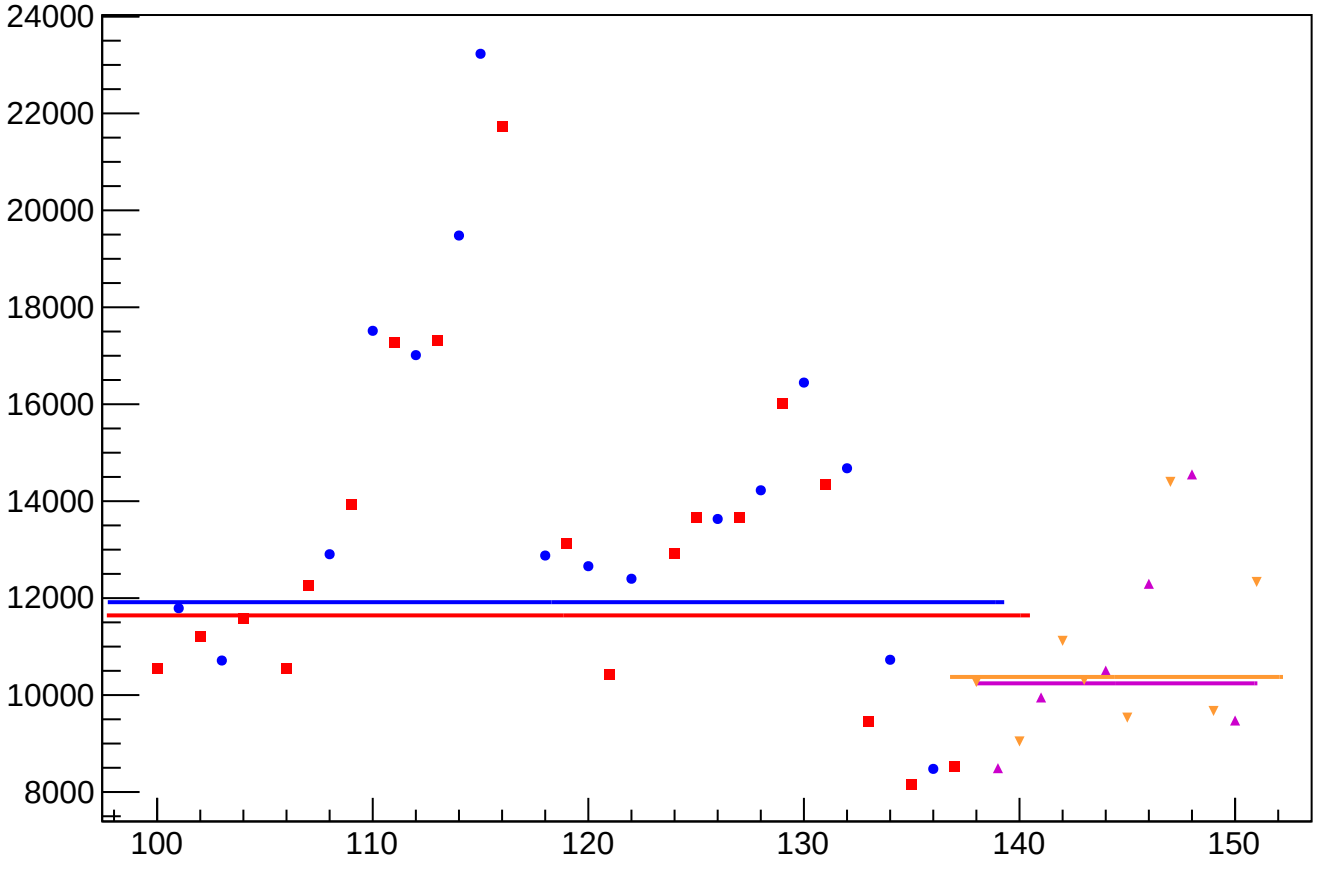
Left In: 5.793+/-4.559 χ^2/NDF:9.6/5

+ sign 1.430+/-3.101 χ^2/NDF: 17.6/23

All: 4.266+/-2.214 χ^2/NDF: 46.3/48

- sign 7.216+/-3.163 χ^2/NDF: 27.0/24

diff_bpm4aesumY_rms vs Slug



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 10373.983+/-2.994 χ^2/NDF:228584.5/7

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

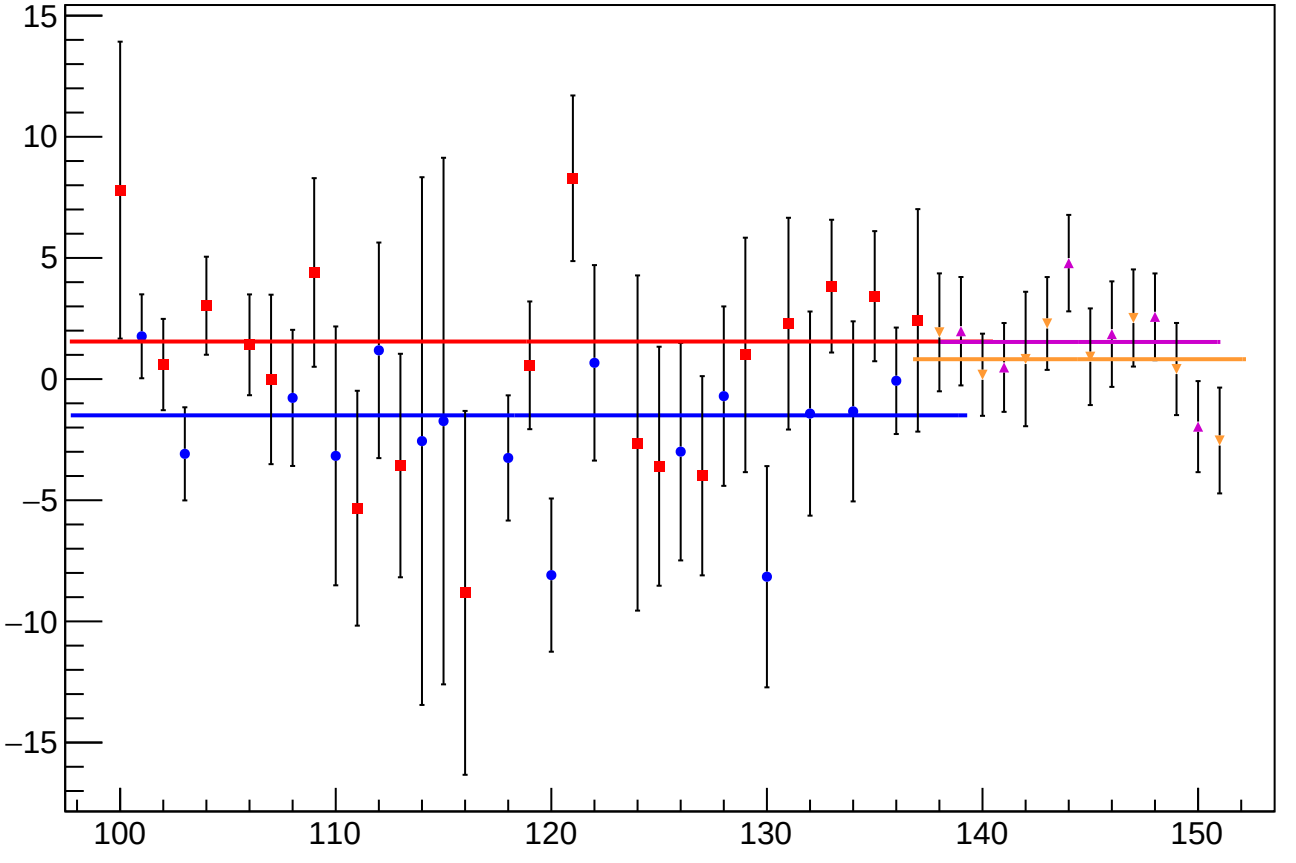
Left In: 10241.886+/-3.224 χ^2/NDF:276071.8/5

\+ sign 11089.126+/-2.193 χ^2/NDF: 1101400.3/23

All: 11030.194+/-1.566 χ^2/NDF: 2267357.2/4

\- sign 10968.875+/-2.237 χ^2/NDF: 1164483.0/24

diff_bpm4aediffY_mean vs Slug



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 0.821+/-0.724 χ^2/NDF:4.1/7

Right Out: 1.551+/-0.745 χ^2/NDF: 16.3/18

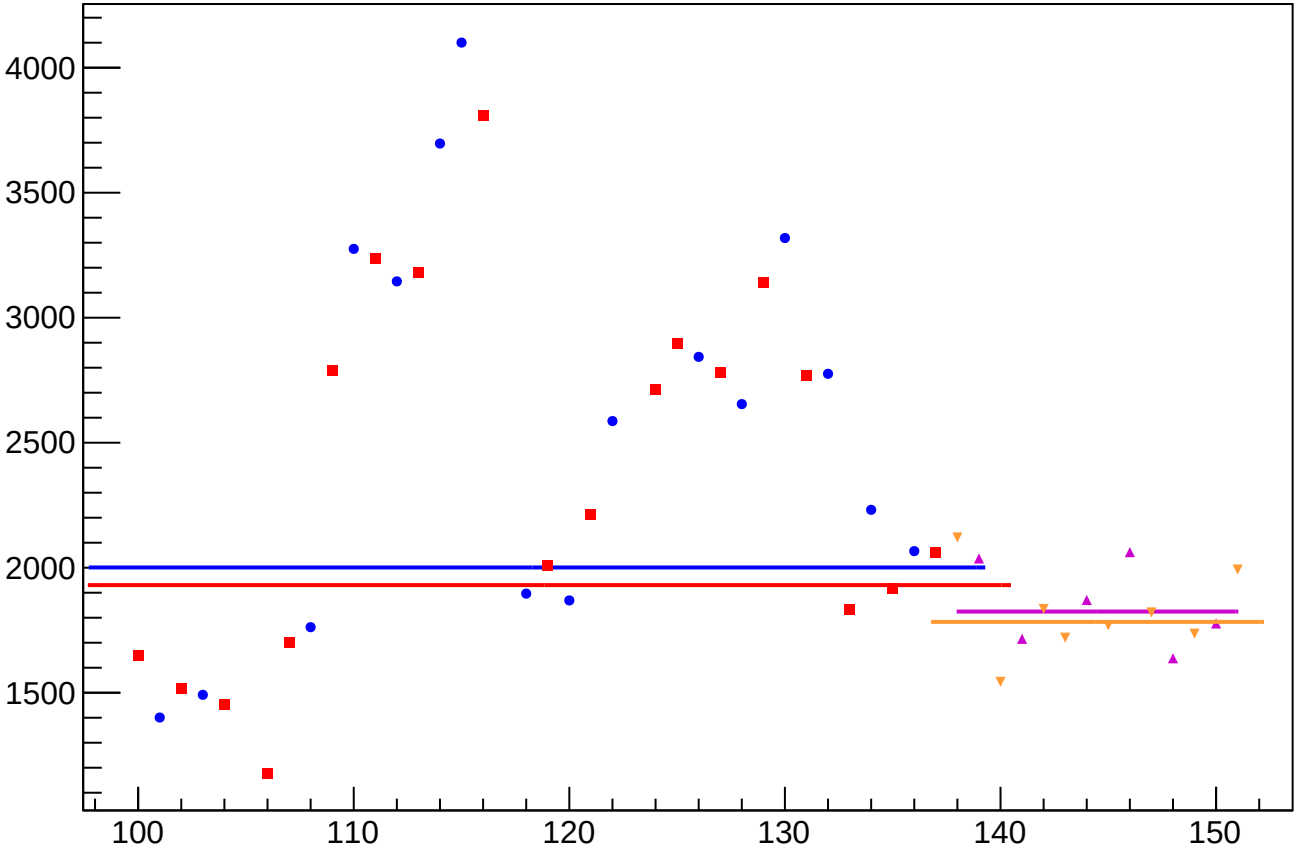
Left In: 1.532+/-0.802 χ^2/NDF:6.9/5

+ sign -0.255+/-0.530 χ^2/NDF: 21.4/23

All: 0.618+/-0.380 χ^2/NDF: 50.1/48

- sign 1.542+/-0.546 χ^2/NDF: 23.1/24

diff_bpm4aediffY_rms vs Slug



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 1783.265+/-0.512 χ^2/NDF:101859.2/7

Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

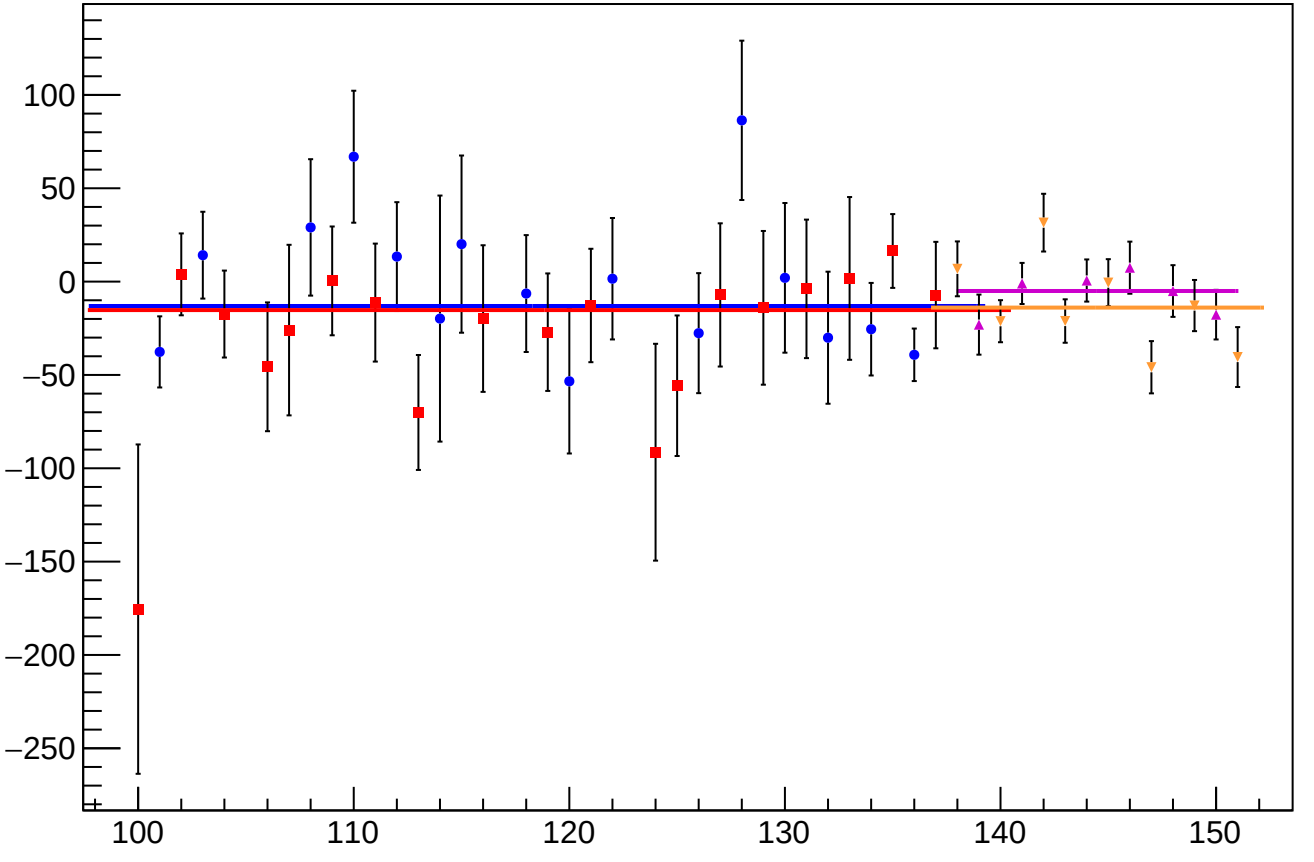
Left In: 1824.679+/-0.567 χ^2/NDF:73101.8/5

+ sign 1884.343+/-0.375 χ^2/NDF: 1375519.1/23

All: 1882.944+/-0.269 χ^2/NDF: 2870887.8/48

- sign 1881.463+/-0.386 χ^2/NDF: 1495340.0/24

diff_bpmtargetsumX_mean vs Slug



Right In: -13.066+/-7.026 χ^2/NDF: 21.9/15

Left Out: -13.922+/-4.729 χ^2/NDF:20.5/7

Right Out: -15.253+/-7.321 χ^2/NDF: 14.3/18

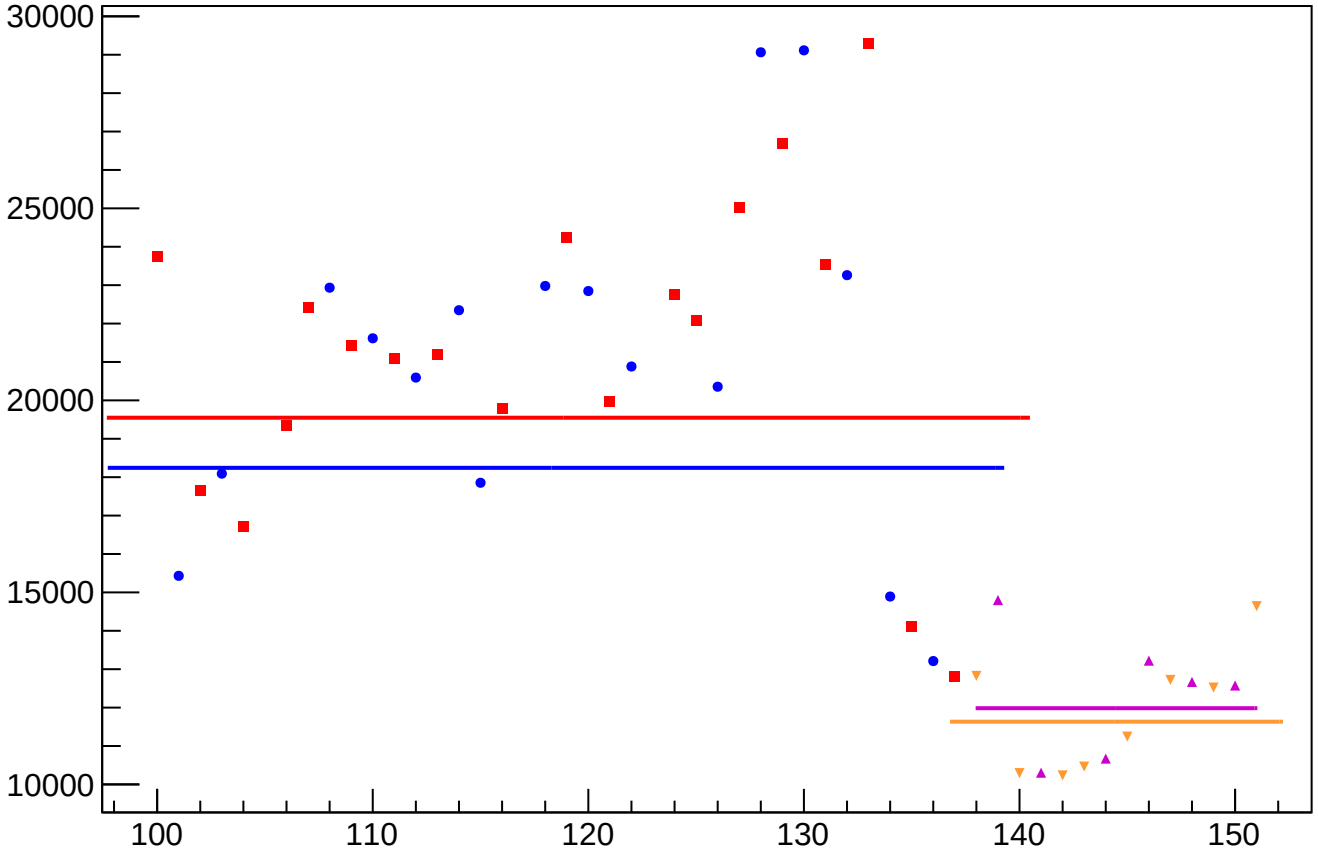
Left In: -5.028+/-5.273 χ^2/NDF:3.3/5

+ sign -13.655+/-3.923 χ^2/NDF: 42.4/23

All: -11.310+/-2.892 χ^2/NDF: 62.2/48

- sign -8.520+/-4.278 χ^2/NDF: 19.0/24

diff_bpmtargetsumX_rms vs Slug



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 11633.126+/-3.344 χ^2/NDF:170703.7/7

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

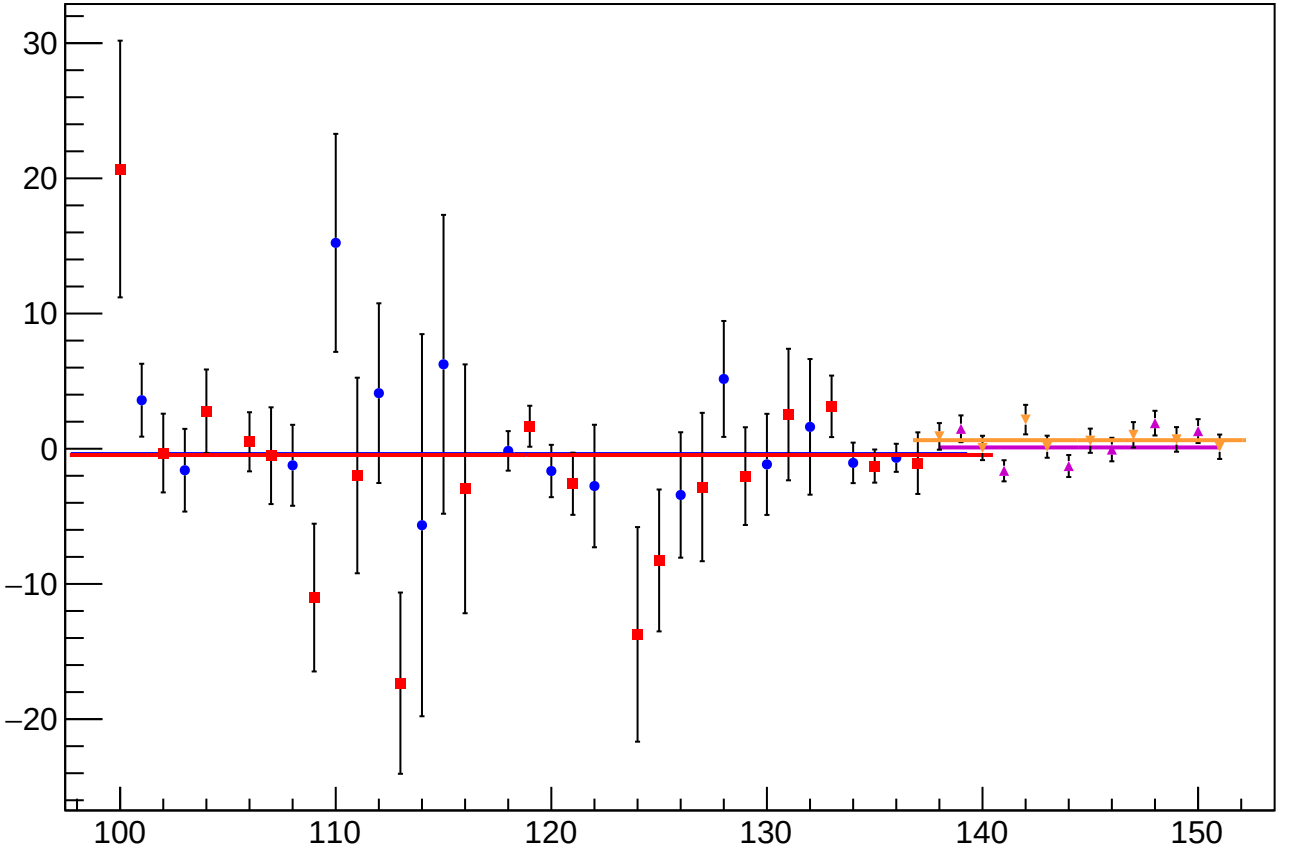
Left In: 11984.534+/-3.728 χ^2/NDF:159377.1/5

+ sign 13693.913+/-2.774 χ^2/NDF: 2208789.1/23

All: 14093.188+/-2.045 χ^2/NDF: 4441074.5/4

- sign 14568.038+/-3.025 χ^2/NDF: 2186933.6/24

diff_bpmtargetdiffX_mean vs Slug



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.633+/-0.326 χ^2/NDF:3.3/7

Right Out: -0.464+/-0.634 χ^2/NDF: 28.0/18

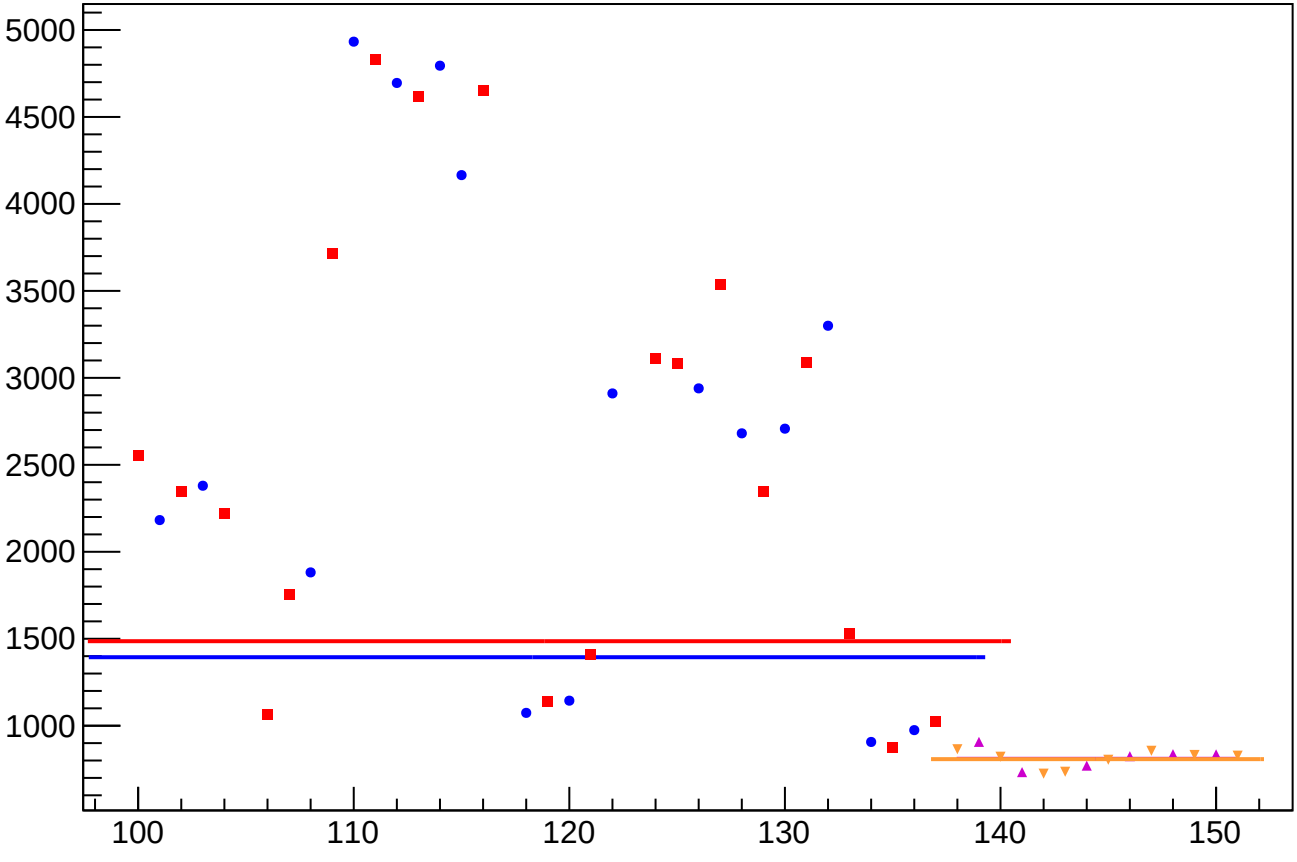
Left In: 0.097+/-0.354 χ^2/NDF:15.5/5

+ sign 0.399+/-0.286 χ^2/NDF: 15.9/23

All: 0.198+/-0.210 χ^2/NDF: 61.1/48

- sign -0.037+/-0.309 χ^2/NDF: 44.1/24

diff_bpmtargetdiffX_rms vs Slug



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 807.887+/-0.230 χ^2/NDF:42218.5/7

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

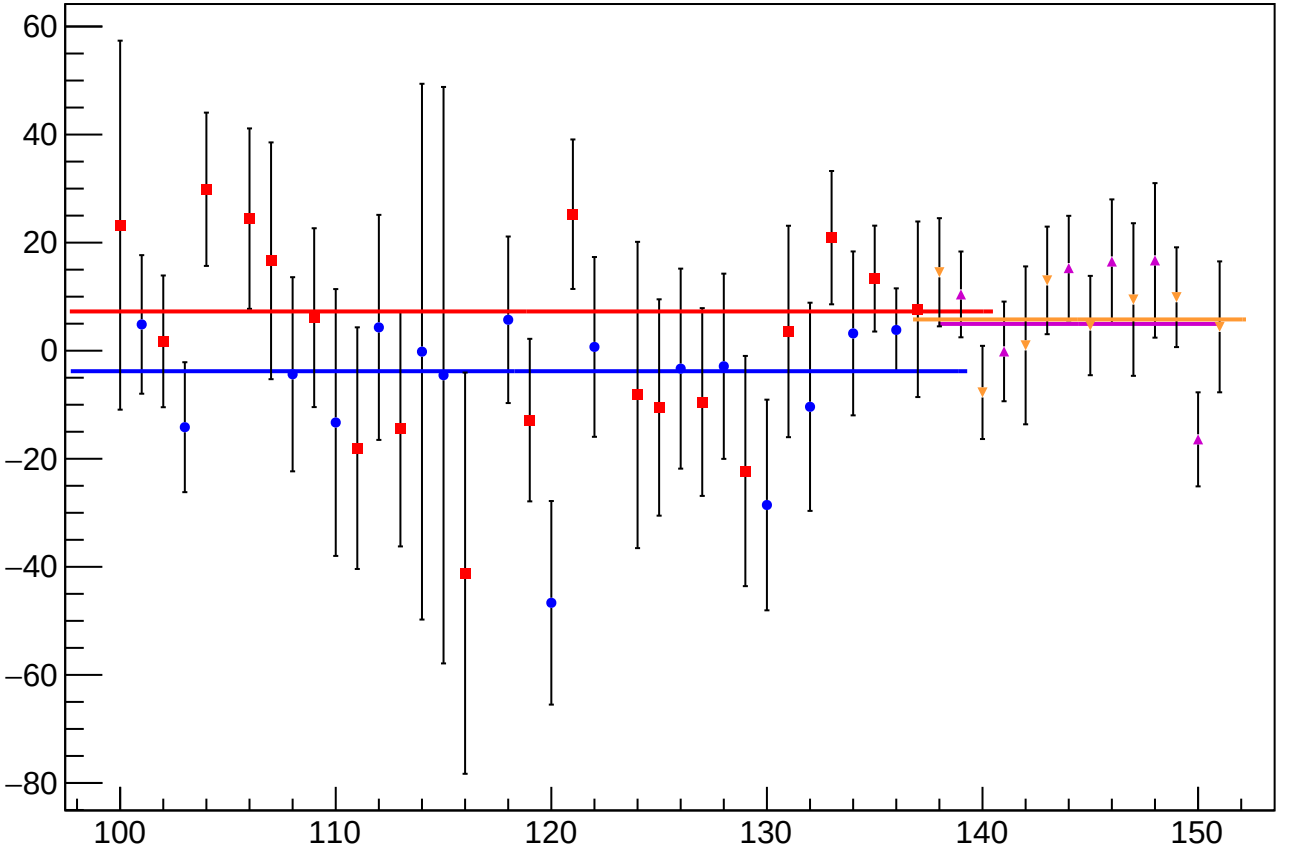
Left In: 809.787+/-0.250 χ^2/NDF:47192.0/5

+ sign 941.328+/-0.202 χ^2/NDF: 4896046.8/23

All: 954.847+/-0.149 χ^2/NDF: 10086344.7/48

- sign 970.600+/-0.219 χ^2/NDF: 5180647.1/24

diff_bpmtargetsumY_mean vs Slug



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

Left Out: 5.786+/-3.686 χ^2/NDF:4.1/7

Right Out: 7.264+/-3.807 χ^2/NDF: 17.3/18

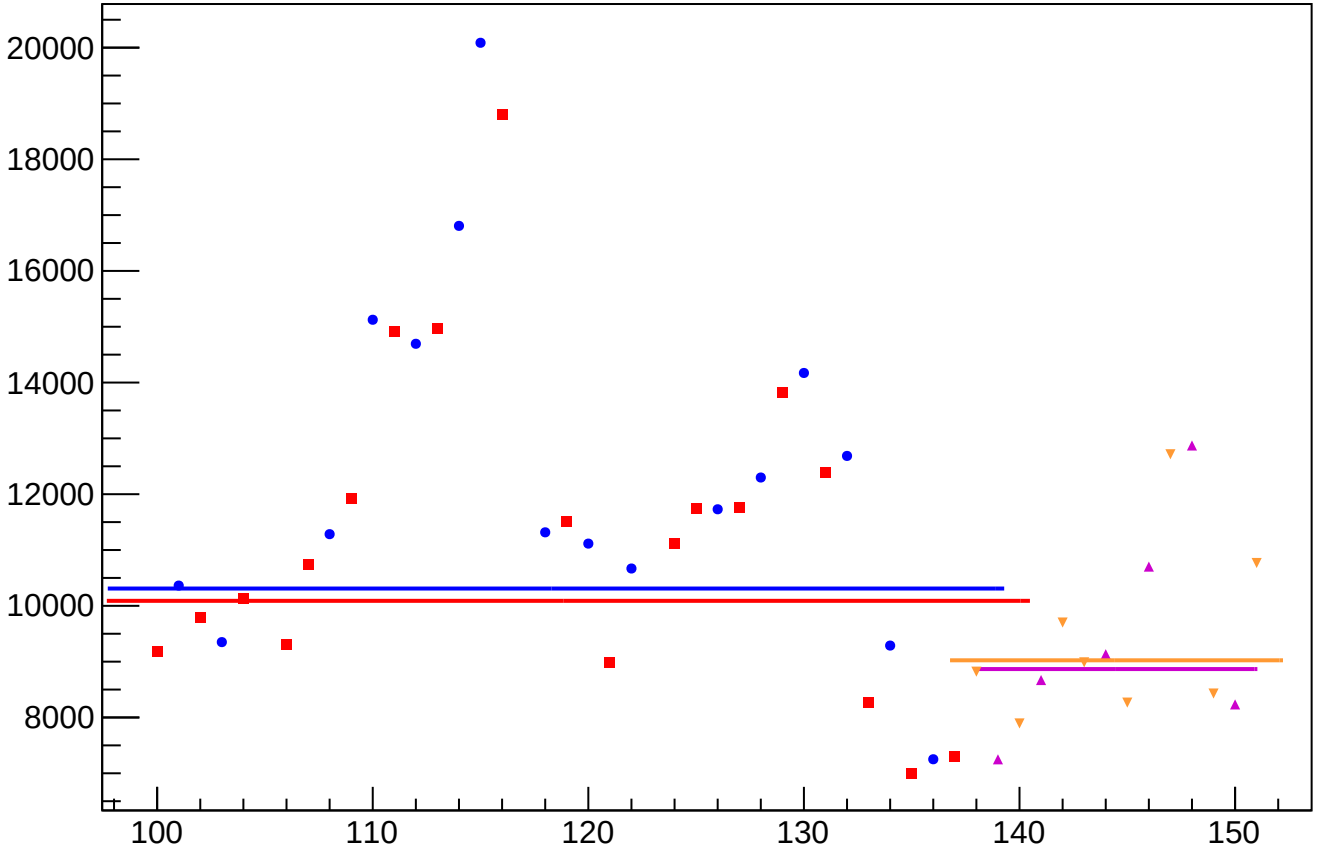
Left In: 4.957+/-3.954 χ^2/NDF:9.6/5

\+ sign 1.318+/-2.693 χ^2/NDF: 17.4/23

All: 3.692+/-1.921 χ^2/NDF: 46.0/48

\- sign 6.154+/-2.742 χ^2/NDF: 27.1/24

diff_bpmtargetsumY_rms vs Slug



Right In: 10309.969+/-2.788 χ^2/NDF: 770518.2/15

Left Out: 9024.116+/-2.607 χ^2/NDF:239482.4/7

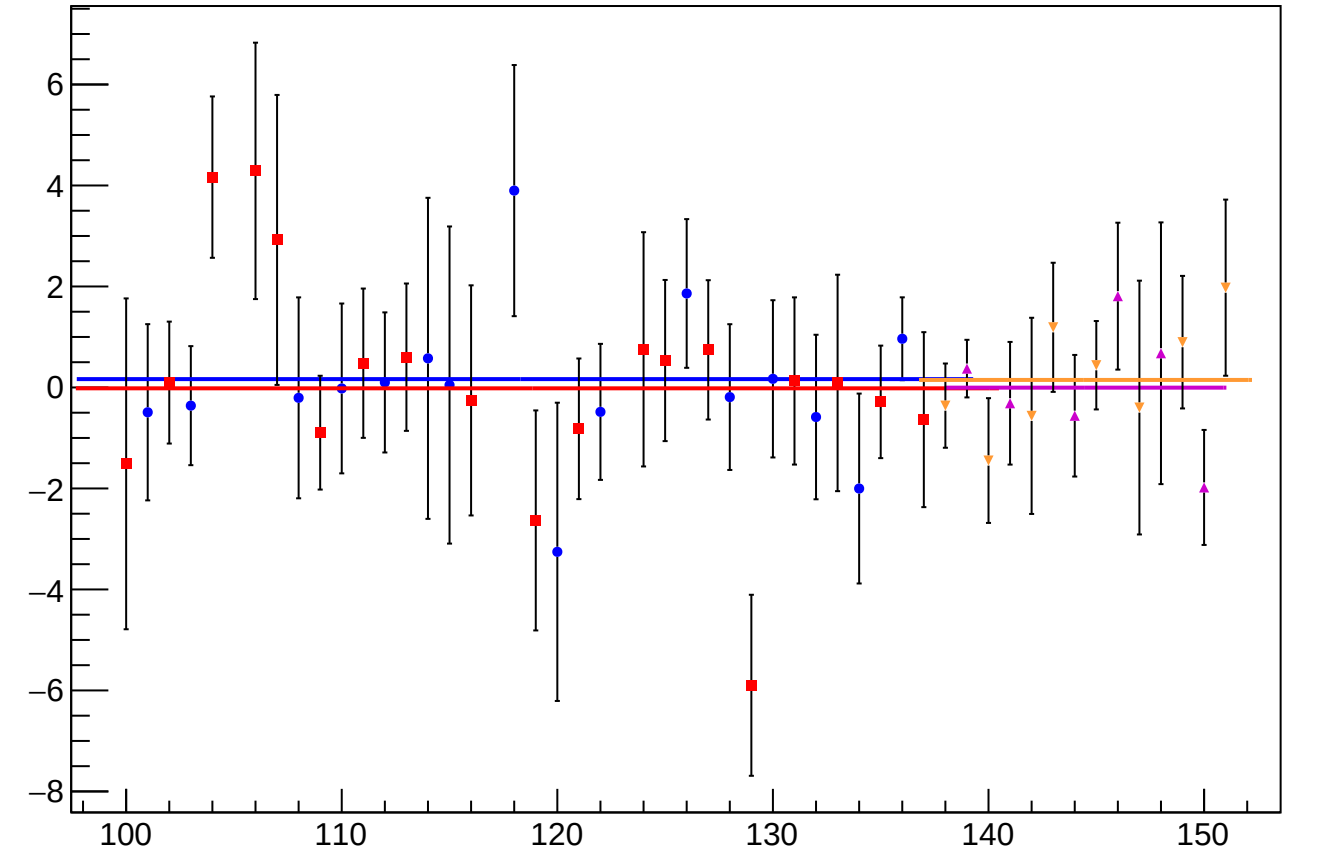
Right Out: 10089.584+/-2.692 χ^2/NDF: 792788.1/18

Left In: 8867.297+/-2.796 χ^2/NDF:303840.8/5

+ sign 9623.791+/-1.904 χ^2/NDF: 1123497.5/23

All: 9563.809+/-1.359 χ^2/NDF: 2321327.2/48

- sign 9501.593+/-1.939 χ^2/NDF: 1195808.0/24



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: 0.149+/-0.433 χ^2/NDF:4.4/7

Right Out: -0.017+/-0.372 χ^2/NDF: 25.2/18

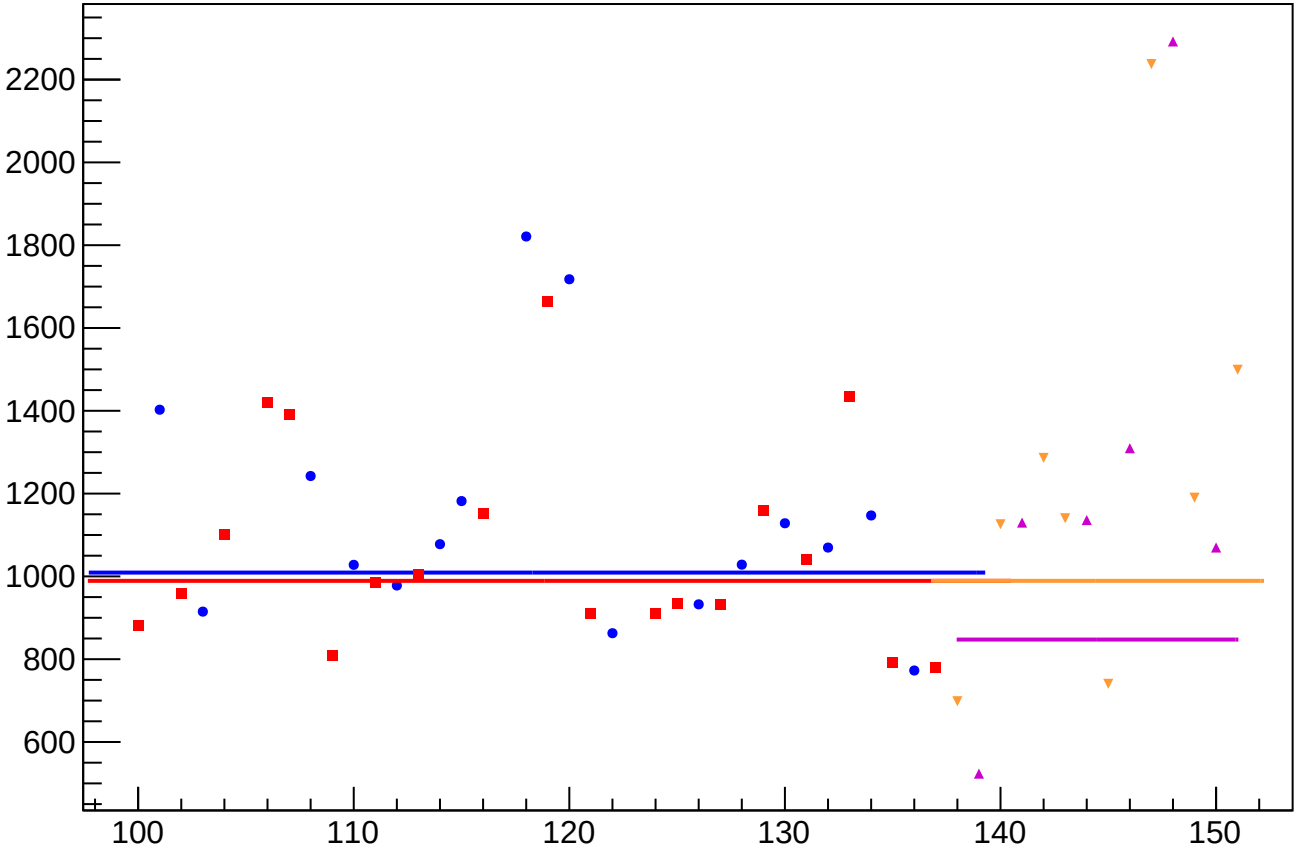
Left In: -0.004+/-0.414 χ^2/NDF:5.3/5

+ sign 0.158+/-0.288 χ^2/NDF: 12.5/23

All: 0.070+/-0.200 χ^2/NDF: 43.2/48

- sign -0.011+/-0.277 χ^2/NDF: 30.5/24

diff_bpmtargetdiffY_rms vs Slug



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 989.244+/-0.306 χ^2/NDF:1215043.8/7

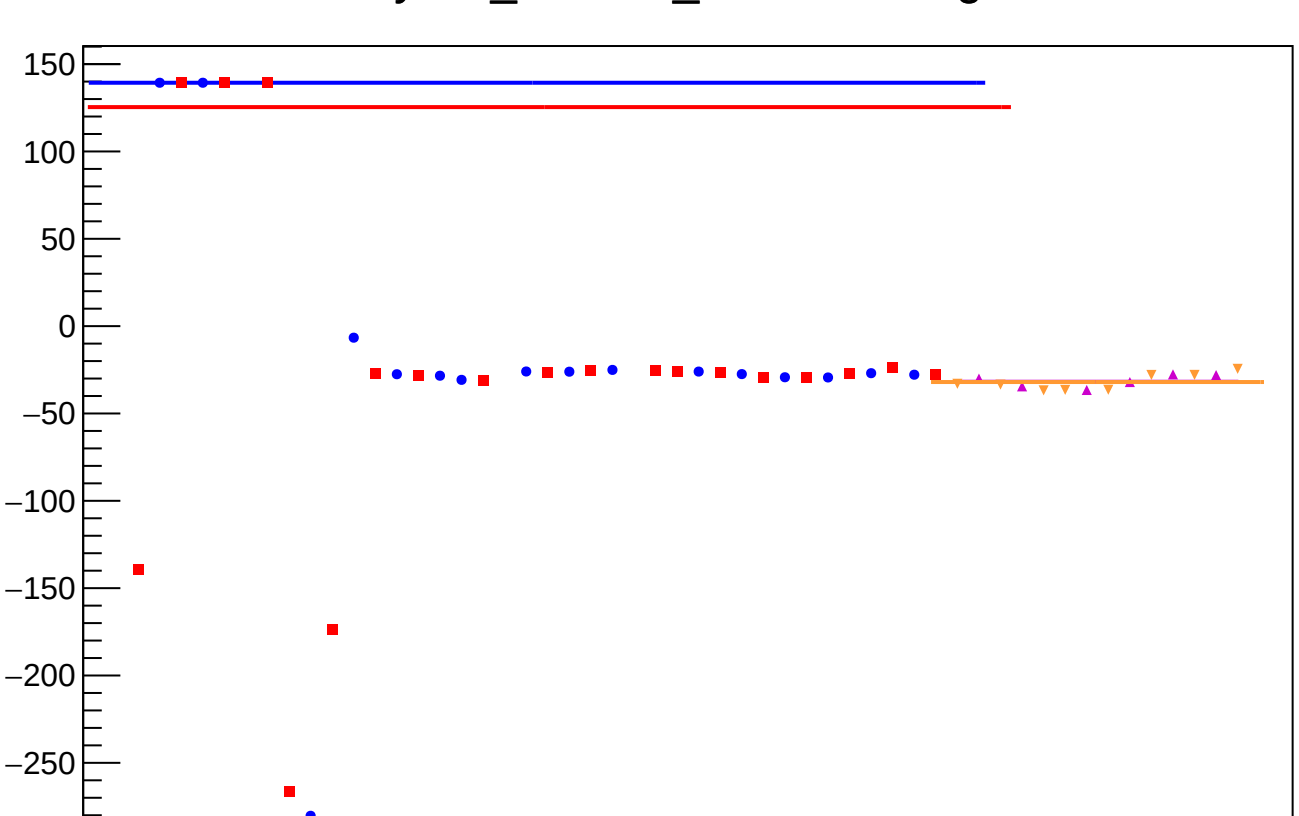
Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 847.419+/-0.293 χ^2/NDF:1767891.4/5

+ sign 1000.360+/-0.204 χ^2/NDF: 1916720.2/23

All: 961.604+/-0.141 χ^2/NDF: 4459722.6/48

- sign 925.845+/-0.196 χ^2/NDF: 2473447.6/24



Right In: 139.337+/-0.000 χ^2/NDF: 47088045550.1/15

Left Out: -31.994+/-0.001 χ^2/NDF:68771226.0/7

Right Out: 125.392+/-0.000 χ^2/NDF: 774173119844052.5/18

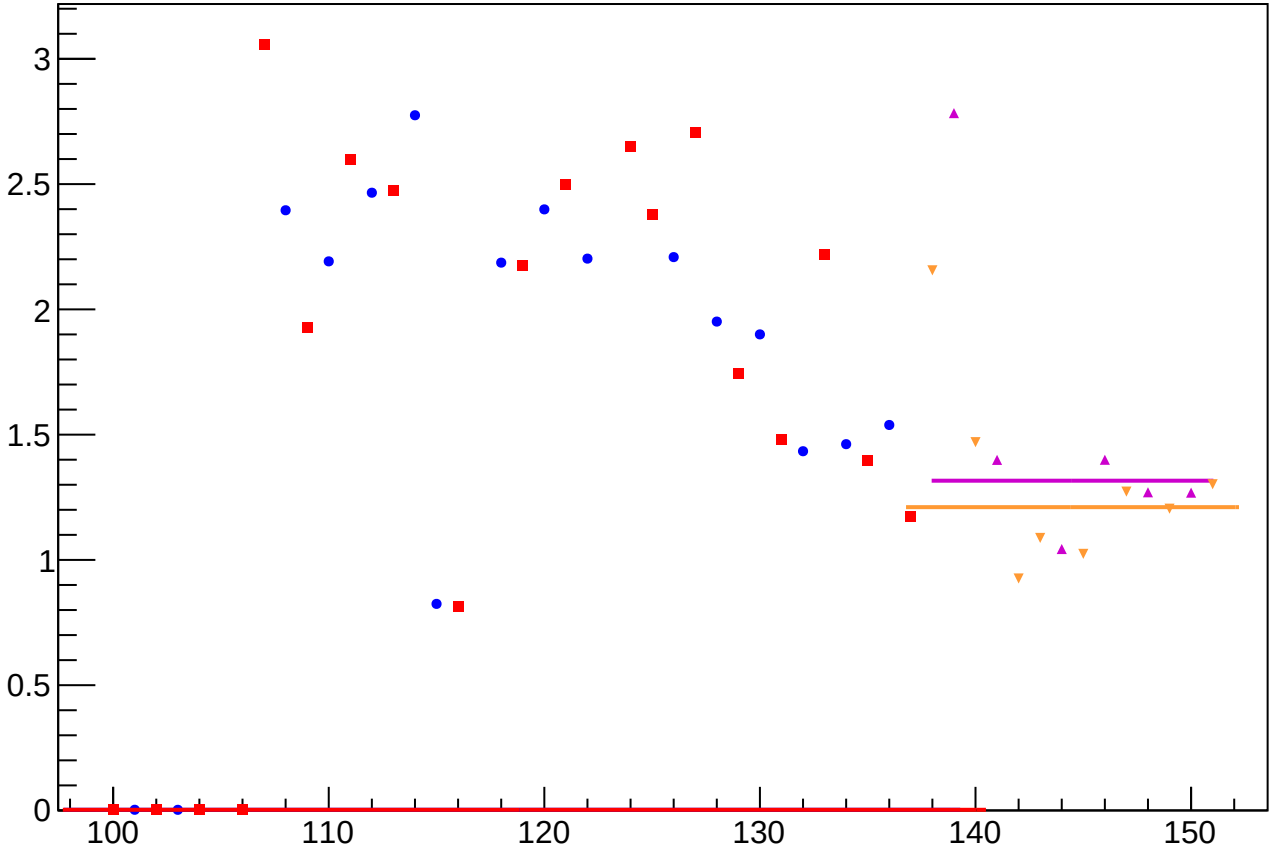
Left In: -31.833+/-0.001 χ^2/NDF:30649047.6/5

+ sign 139.334+/-0.000 χ^2/NDF: 139313400455.4/2

All: 131.816+/-0.000 χ^2/NDF: 79315067205

- sign 125.390+/-0.000 χ^2/NDF: 774229755795073

yield_cav4bX_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.211+/-0.000 χ^2/NDF:407552.8/7

Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

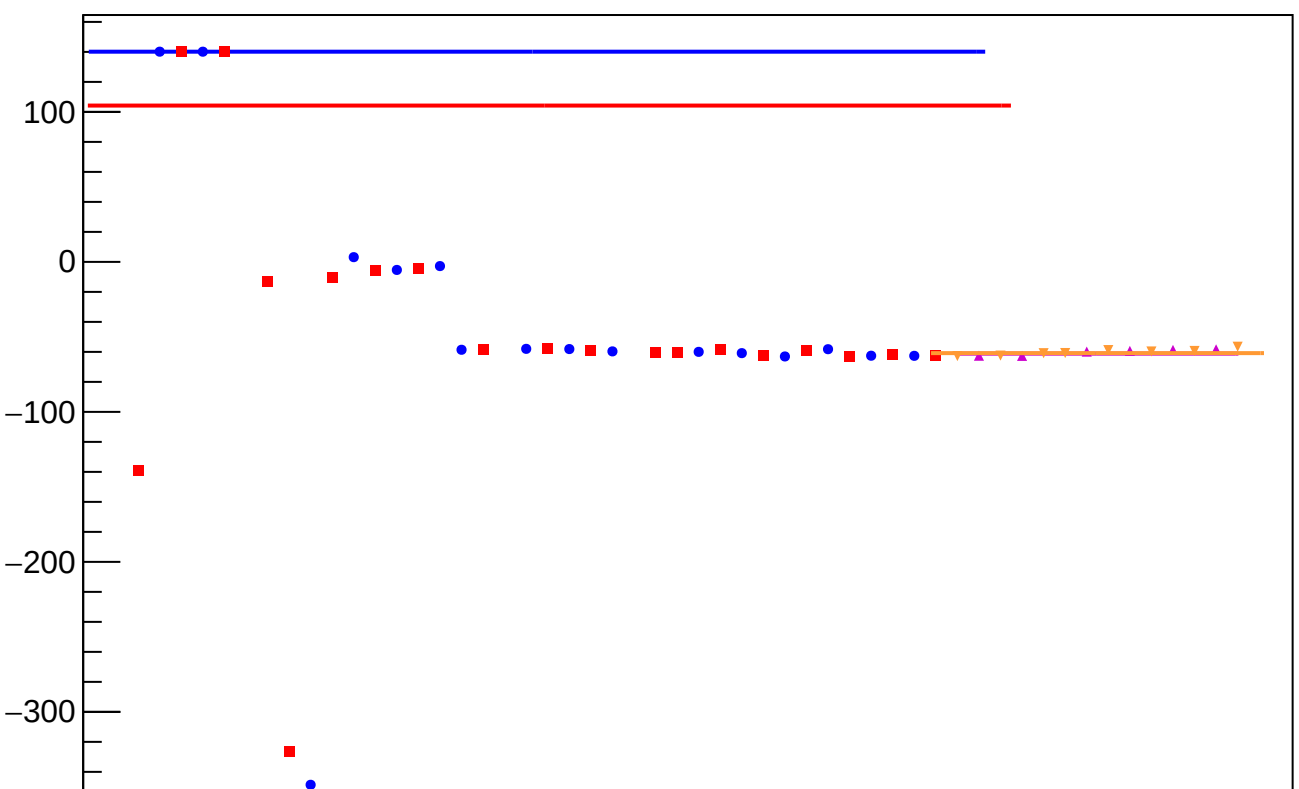
Left In: 1.316+/-0.000 χ^2/NDF:561265.1/5

+ sign 0.003+/-0.000 χ^2/NDF: 19134505.2/23

All: 0.003+/-0.000 χ^2/NDF: 37331824.8/48

- sign 0.003+/-0.000 χ^2/NDF: 18197046.0/24

yield_cav4bY_mean vs Slug



Right In: 140.143+/-0.000 χ^2/NDF: 187461723281.9/15

Left Out: -60.827+/-0.000 χ^2/NDF:32000889.5/7

Right Out: 104.224+/-0.000 χ^2/NDF: 1257401882577977.0/18

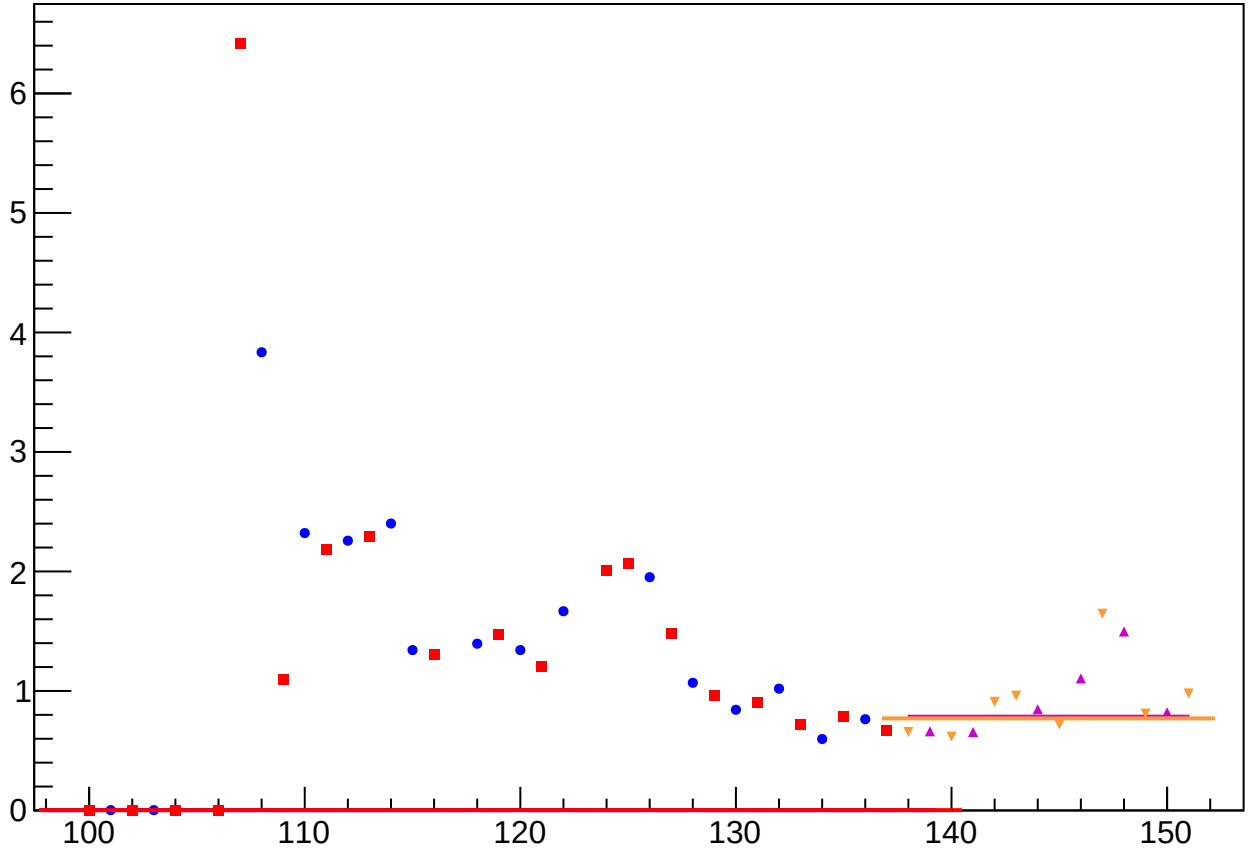
Left In: -61.171+/-0.000 χ^2/NDF:20604476.7/5

+ sign 140.135+/-0.000 χ^2/NDF: 500672833257.2/2

All: 120.825+/-0.000 χ^2/NDF: 13813640913

- sign 104.219+/-0.000 χ^2/NDF: 125757735107422

yield_cav4bY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.770+/-0.000 χ^2/NDF:675267.4/7

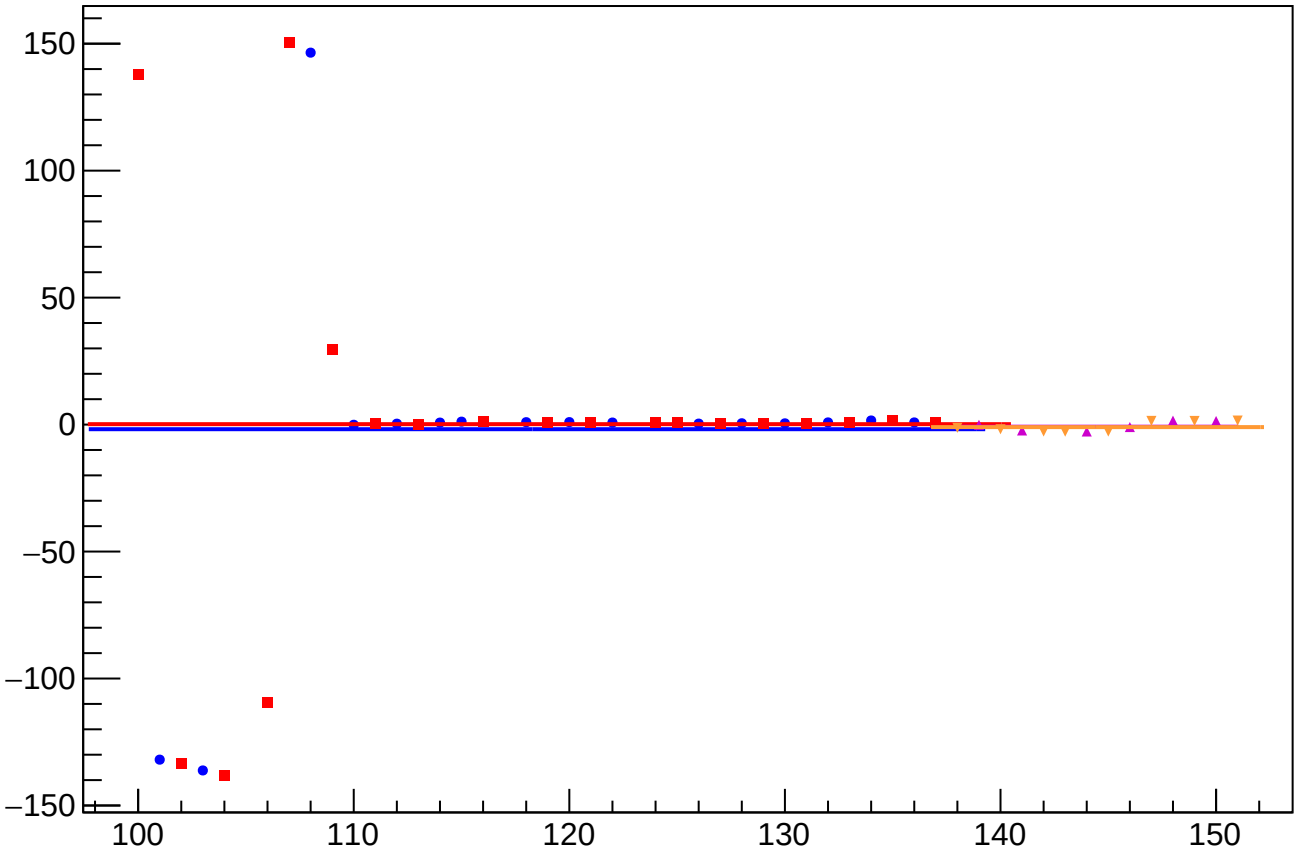
Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.785+/-0.000 χ^2/NDF:554176.5/5

+ sign 0.003+/-0.000 χ^2/NDF: 20391824.2/23

All: 0.003+/-0.000 χ^2/NDF: 39054733.8/48

- sign 0.003+/-0.000 χ^2/NDF: 18662570.6/24



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: -0.993+/-0.000 χ^2/NDF:64392342.9/7

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

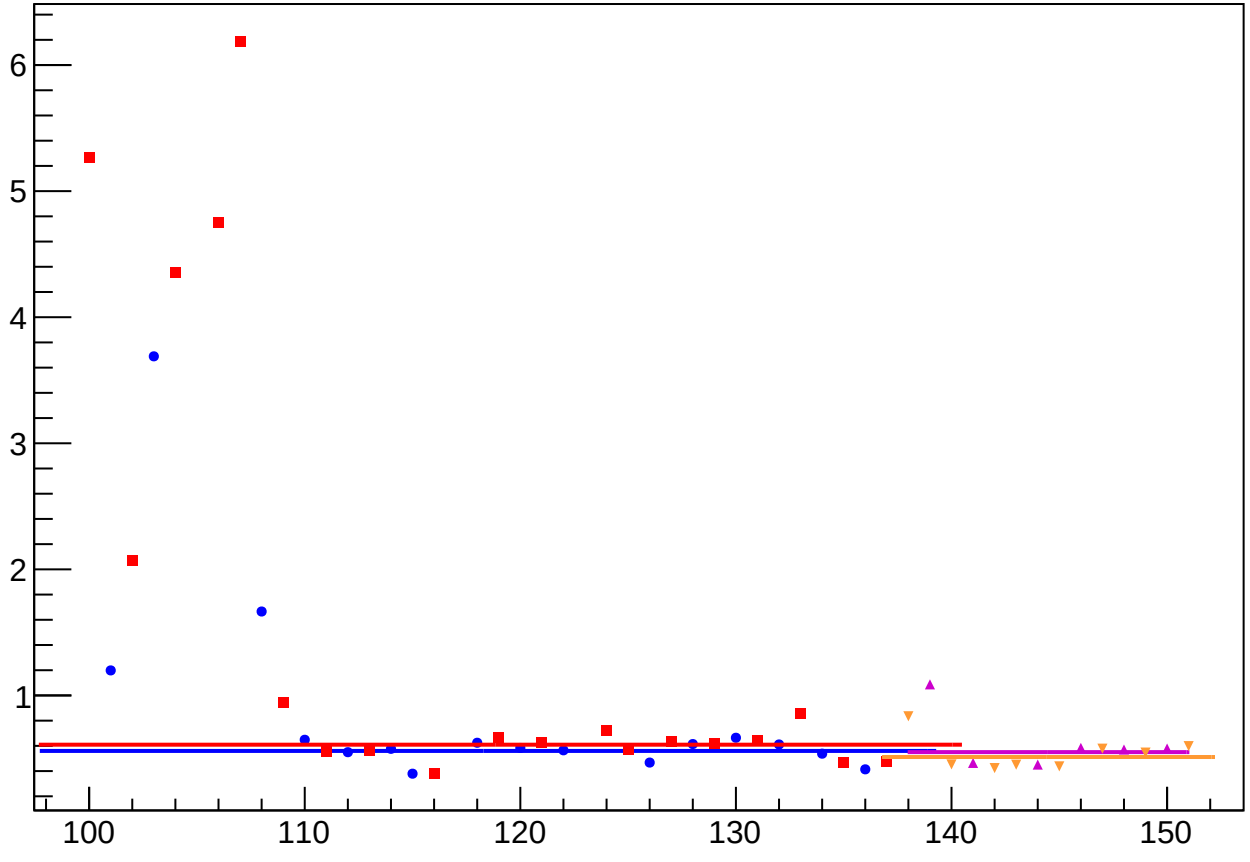
Left In: -0.827+/-0.000 χ^2/NDF:41108641.2/5

+ sign -1.388+/-0.000 χ^2/NDF: 9957292320.8/23

All: -0.920+/-0.000 χ^2/NDF: 13632881228.4/

- sign -0.328+/-0.000 χ^2/NDF: 3658892738.4/24

yield_cav4cX_rms vs Slug



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.512+/-0.000 χ^2/NDF:351390.9/7

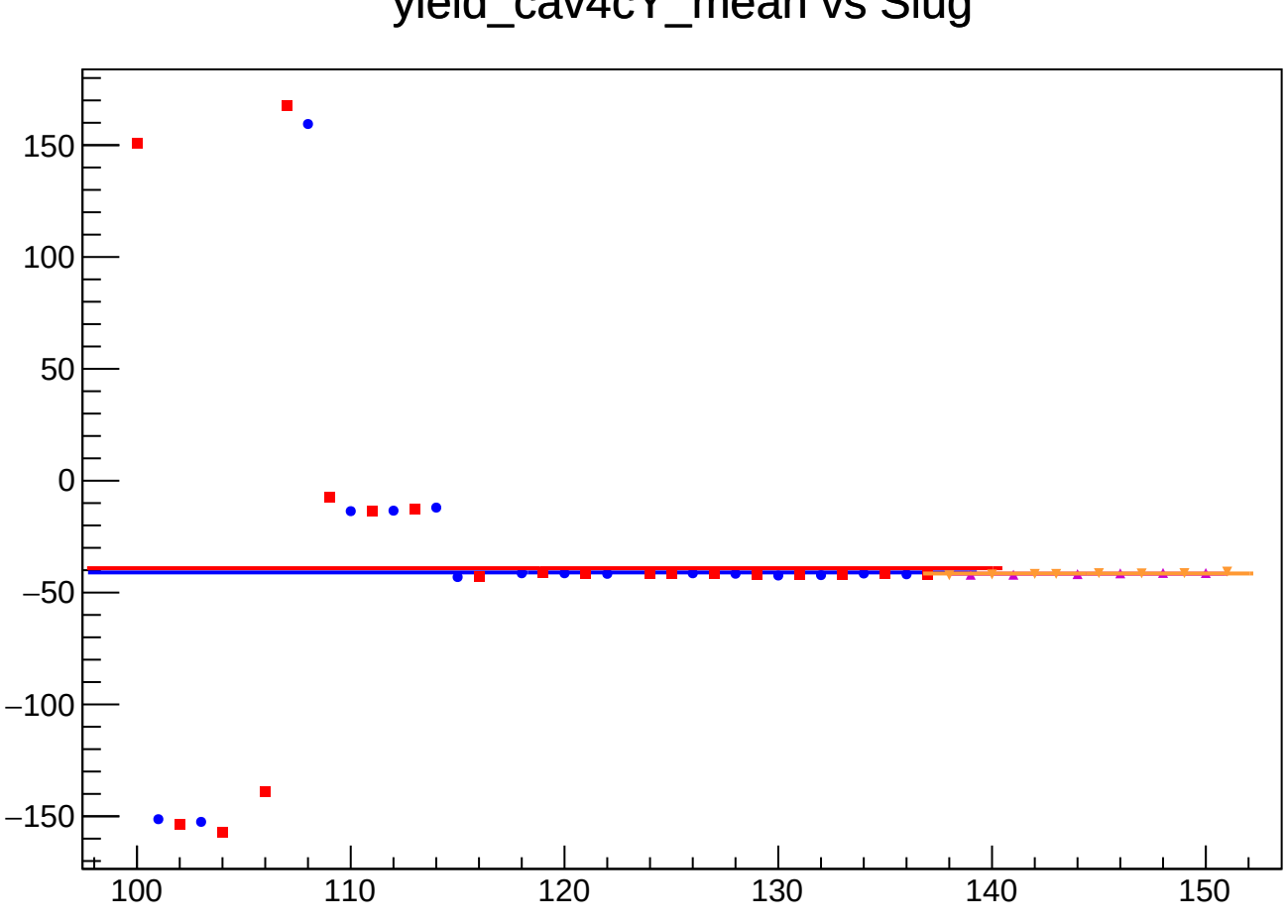
Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.550+/-0.000 χ^2/NDF:524808.2/5

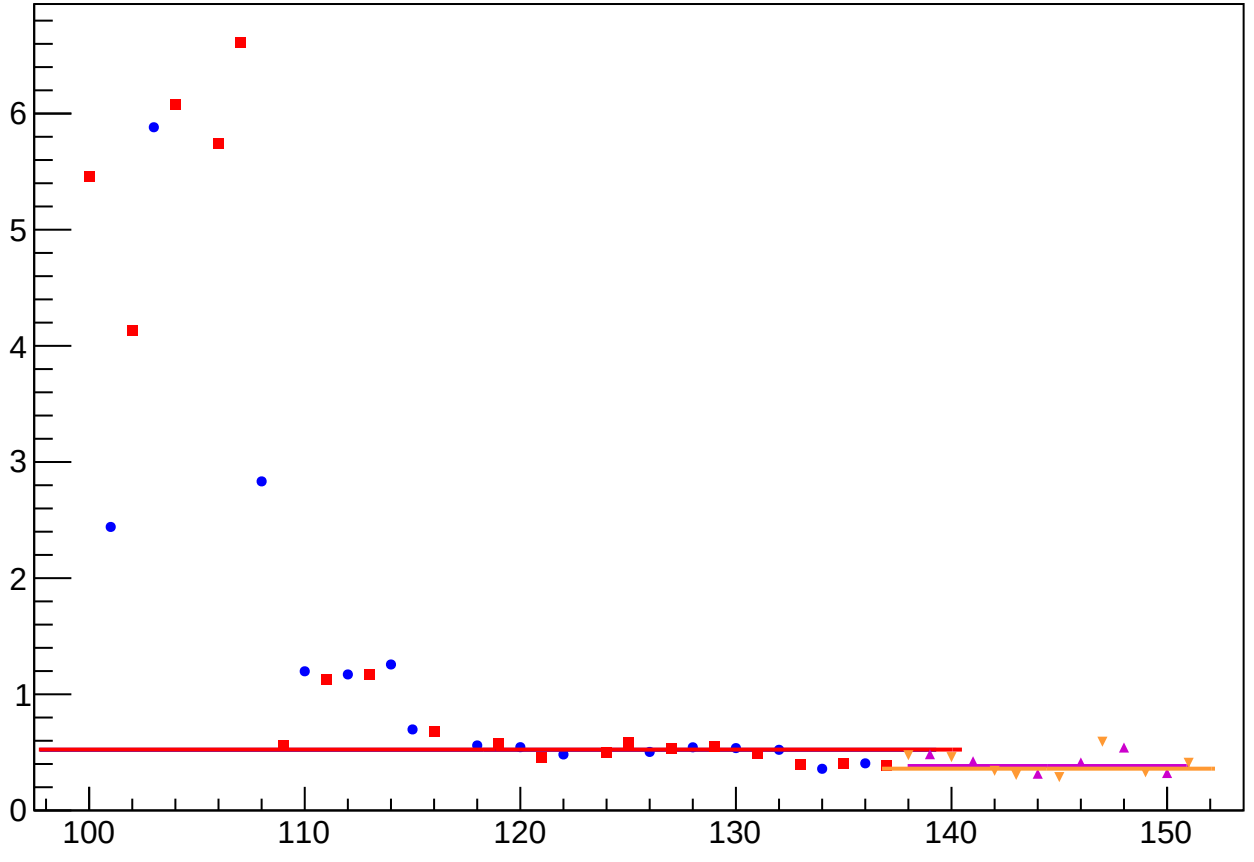
+ sign 0.535+/-0.000 χ^2/NDF: 1989021.7/23

All: 0.555+/-0.000 χ^2/NDF: 5097329.5/48

- sign 0.580+/-0.000 χ^2/NDF: 3046982.3/24


yield_cav4cY_mean vs Slug
150
100
50
0
−50
−100
−150
100
110
120
130
140
150
Right In: -40.987+/-0.000 χ²/NDF: 3449622021.8/15
Left Out: -41.470+/-0.000 χ²/NDF:6474893.4/7
Right Out: -39.101+/-0.000 χ²/NDF: 2480133442.0/18
Left In: -41.577+/-0.000 χ²/NDF:3080904.4/5
+ sign -41.323+/-0.000 χ²/NDF: 3459094226.3/23
All: -41.037+/-0.000 χ²/NDF: 6023735330.4/
- sign -40.688+/-0.000 χ²/NDF: 2553565806.7/24

yield_cav4cY_rms vs Slug



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.360+/-0.000 χ^2/NDF:584961.8/7

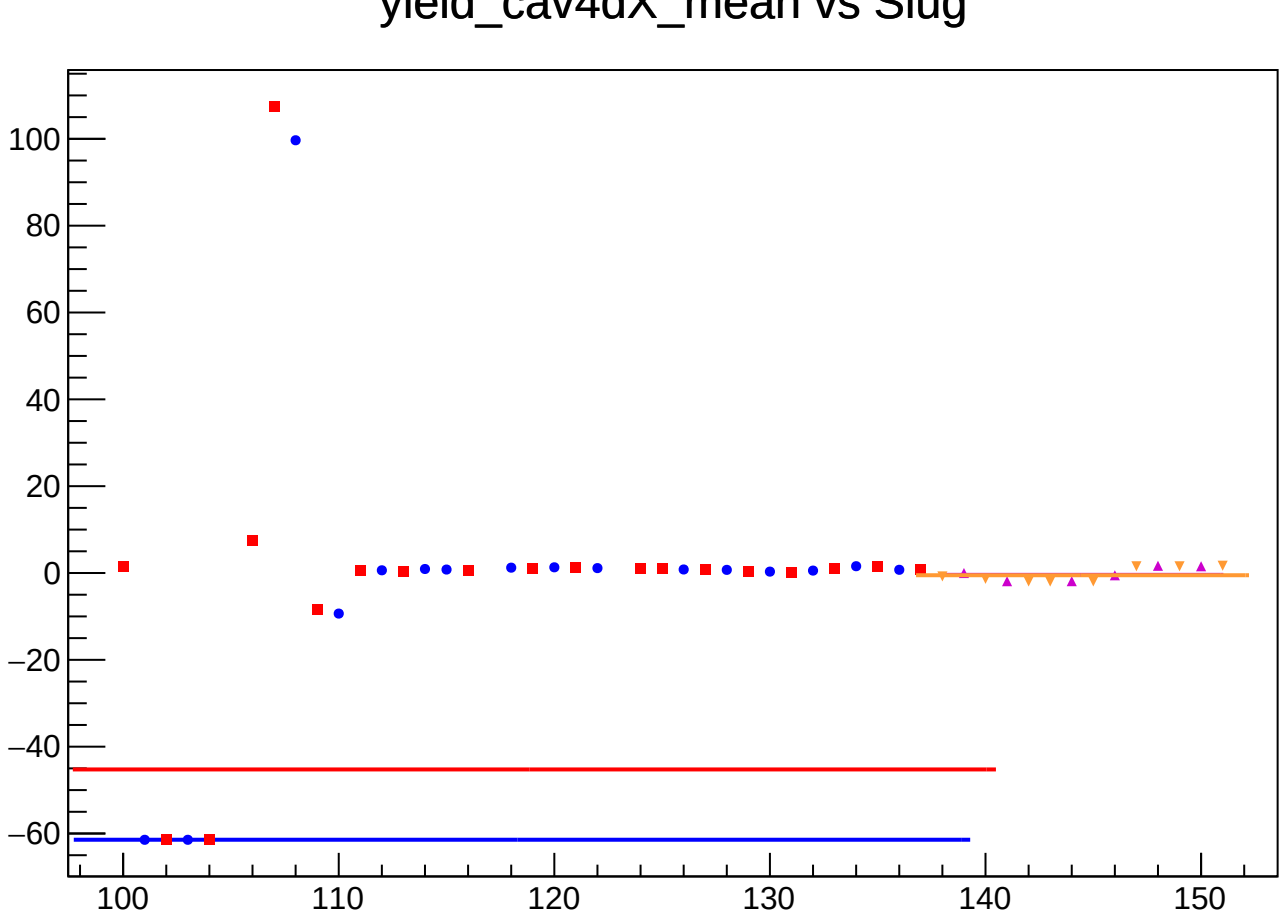
Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

Left In: 0.383+/-0.000 χ^2/NDF:362353.3/5

+ sign 0.409+/-0.000 χ^2/NDF: 4211802.1/23

All: 0.420+/-0.000 χ^2/NDF: 8330403.3/48

- sign 0.433+/-0.000 χ^2/NDF: 4085860.8/24



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: -0.512+/-0.000 χ^2/NDF:64196486.3/7

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

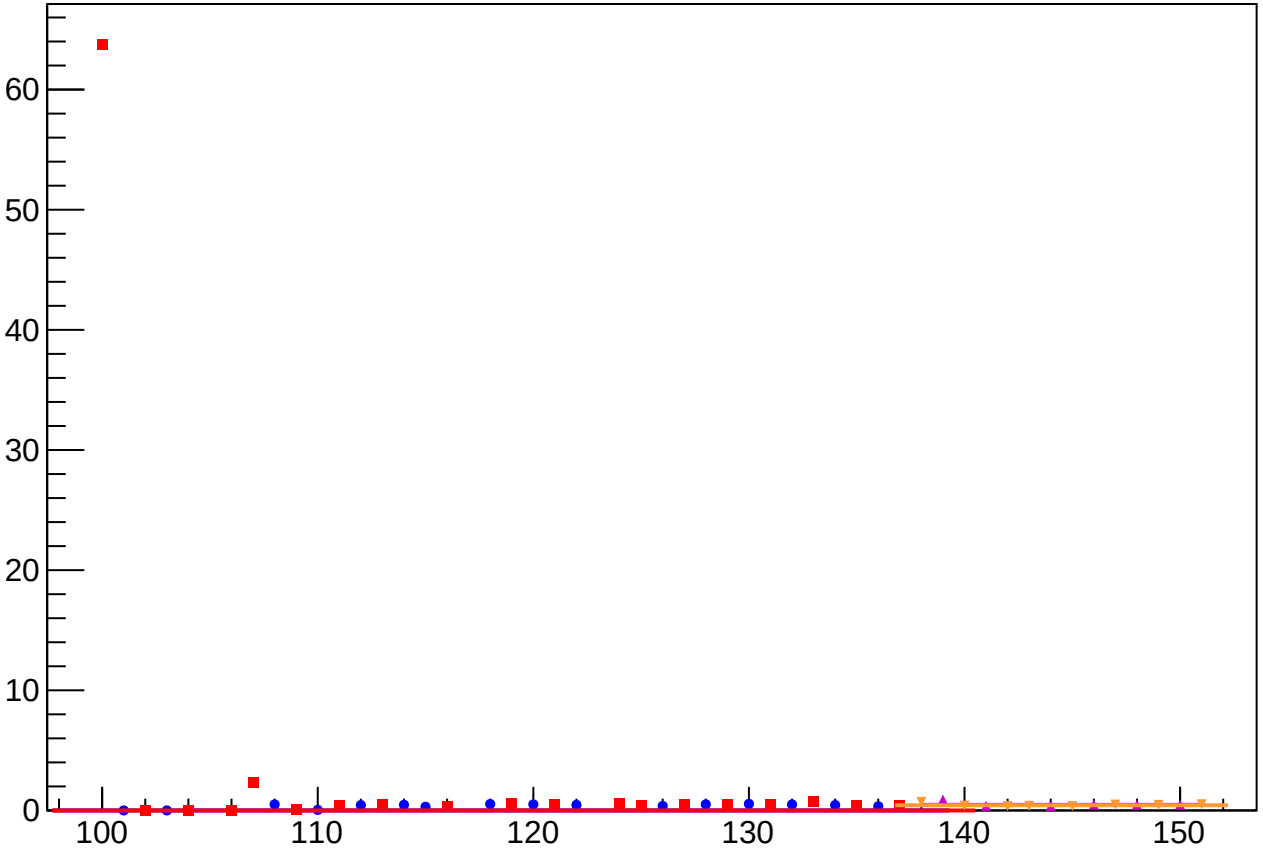
Left In: -0.425+/-0.000 χ^2/NDF:43850802.3/5

+ sign -61.432+/-0.000 χ^2/NDF: 364837538687.7/2

All: -52.746+/-0.000 χ^2/NDF: 409240463575

- sign -45.243+/-0.000 χ^2/NDF: 357908037882352.

yield_cav4dX_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.434+/-0.000 χ^2/NDF:352373.1/7

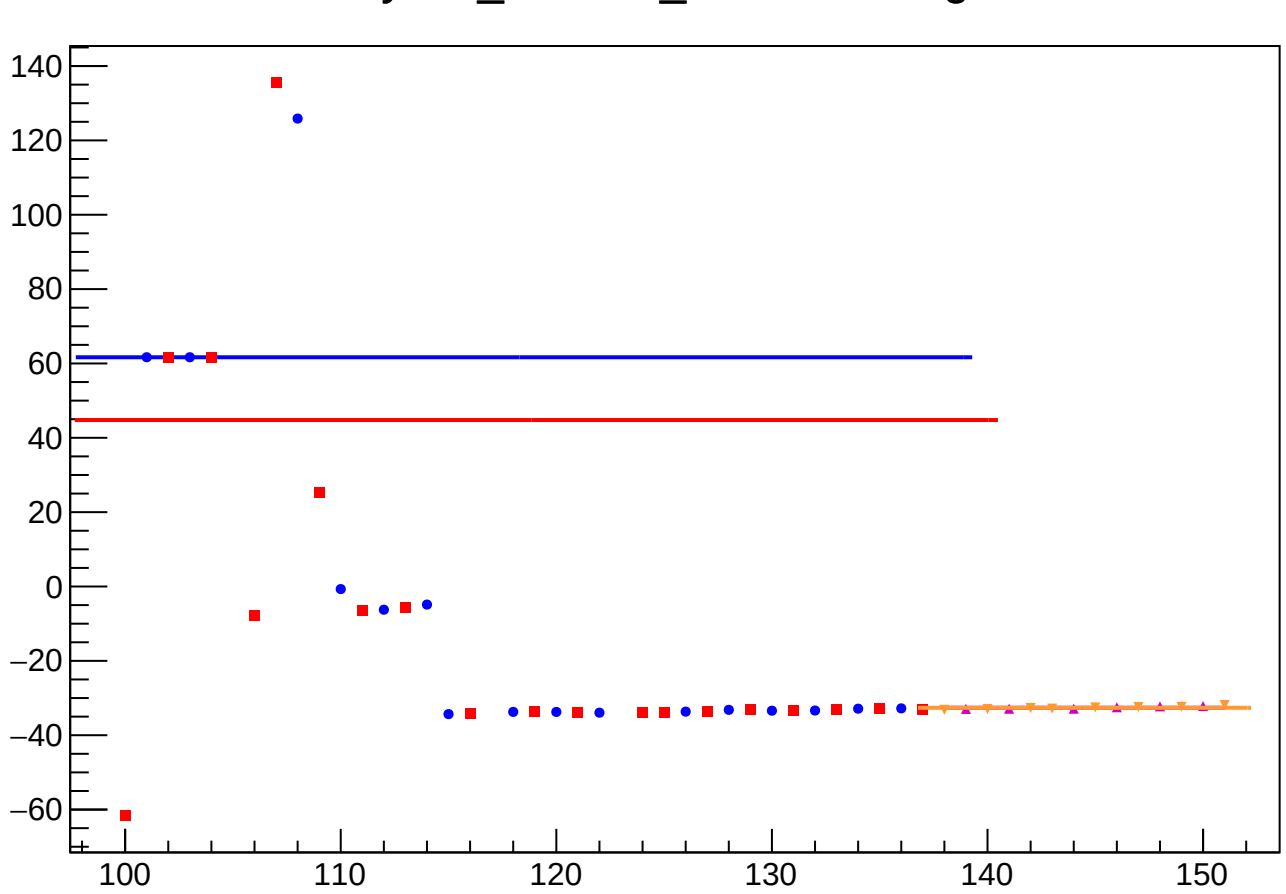
Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

Left In: 0.462+/-0.000 χ^2/NDF:518496.8/5

+ sign 0.001+/-0.000 χ^2/NDF: 18694860.3/23

All: 0.001+/-0.000 χ^2/NDF: 36513268.3/48

- sign 0.001+/-0.000 χ^2/NDF: 17818359.8/24



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.624+/-0.000 χ^2/NDF:7750855.1/7

Right Out: 44.786+/-0.000 χ^2/NDF: 366094778229951.8/18

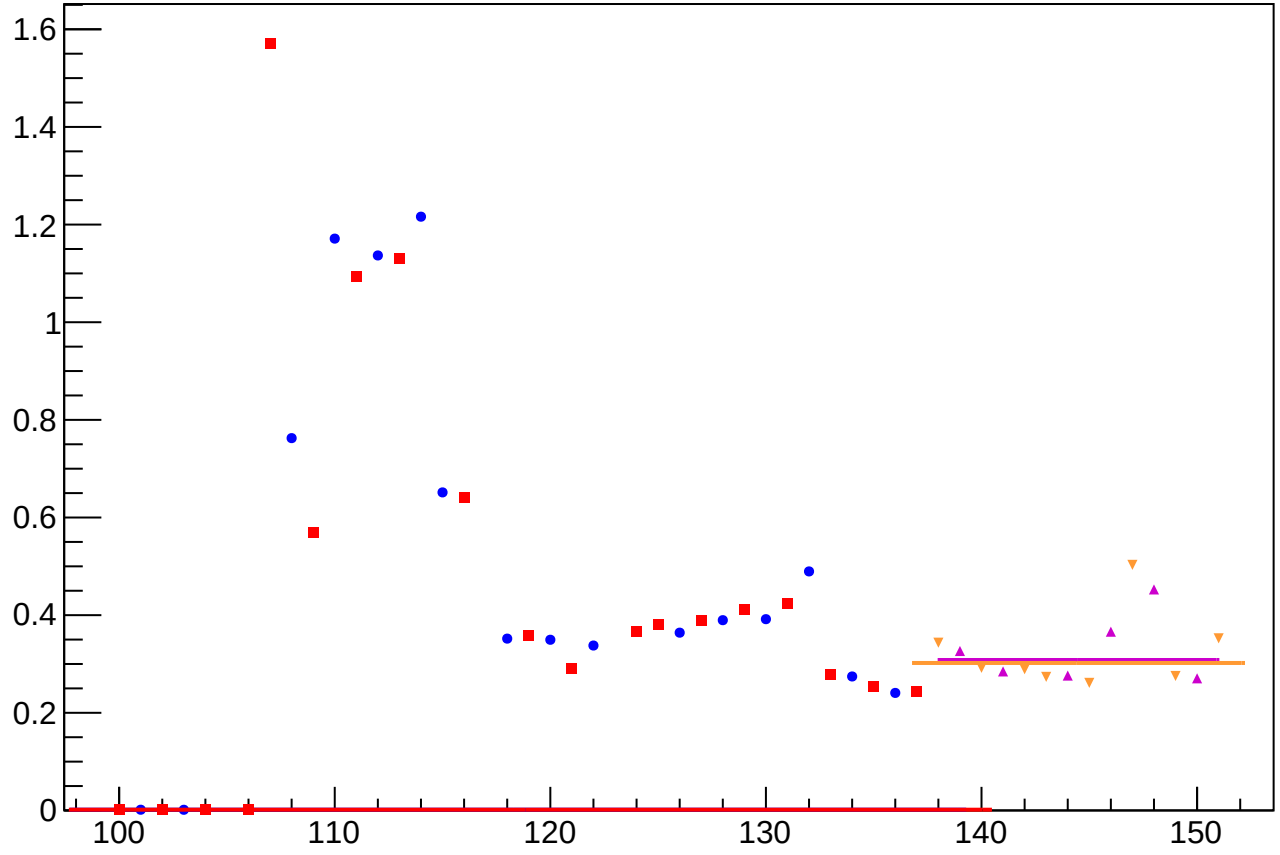
Left In: -32.614+/-0.000 χ^2/NDF:5324967.9/5

+ sign 61.644+/-0.000 χ^2/NDF: 926070667769.4/23

All: 52.675+/-0.000 χ^2/NDF: 418397458836

- sign 44.775+/-0.000 χ^2/NDF: 366402418274207.1

yield_cav4dY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.302+/-0.000 χ^2/NDF:382858.4/7

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

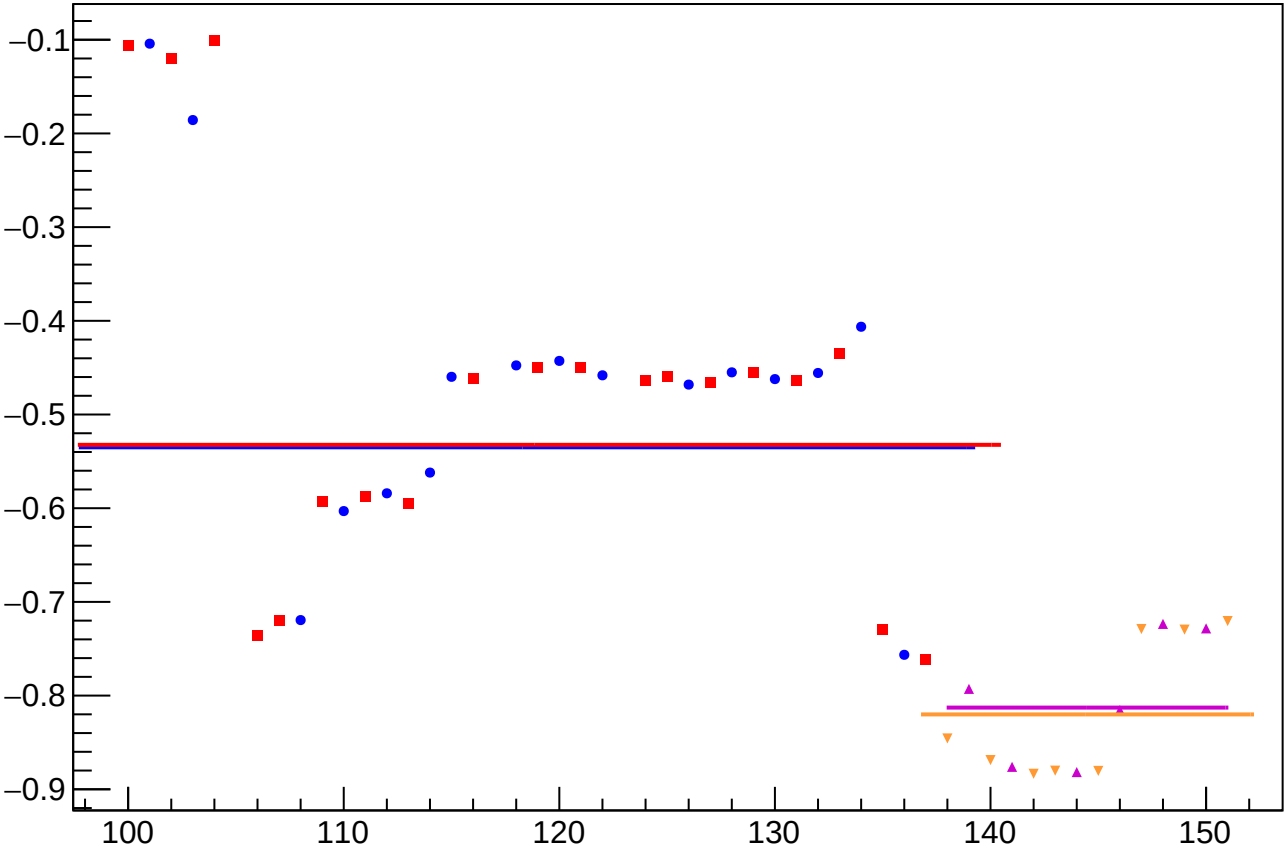
Left In: 0.308+/-0.000 χ^2/NDF:275559.9/5

+ sign 0.002+/-0.000 χ^2/NDF: 22720290.5/23

All: 0.002+/-0.000 χ^2/NDF: 43211774.4/48

- sign 0.002+/-0.000 χ^2/NDF: 20491477.5/24

yield_bpm4aX_mean vs Slug



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.820+/-0.000 χ^2/NDF:68521598.8/7

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

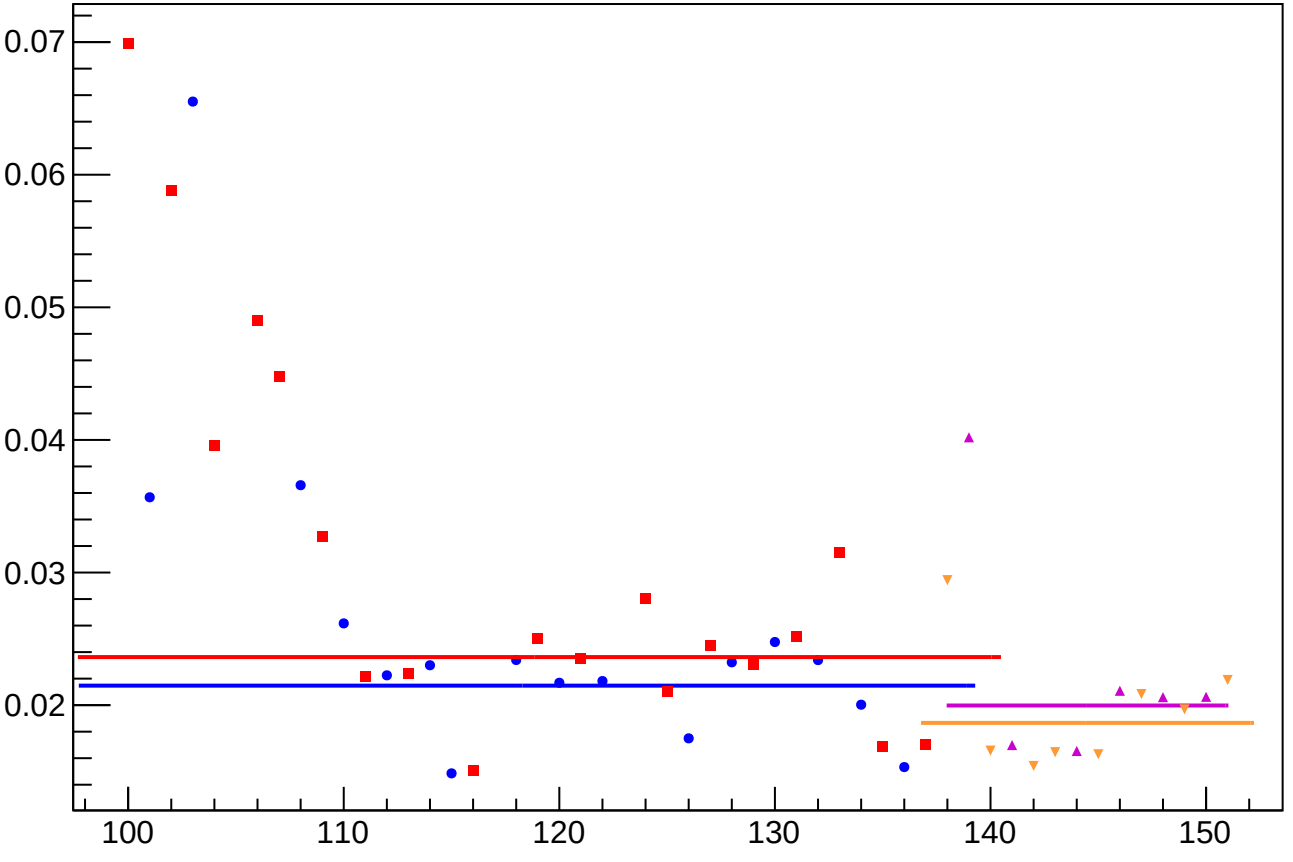
Left In: -0.813+/-0.000 χ^2/NDF:45308375.3/5

+ sign -0.687+/-0.000 χ^2/NDF: 871756175.1/23

All: -0.680+/-0.000 χ^2/NDF: 1526492516.8/4

- sign -0.673+/-0.000 χ^2/NDF: 652577729.7/24

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:312172.0/7

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

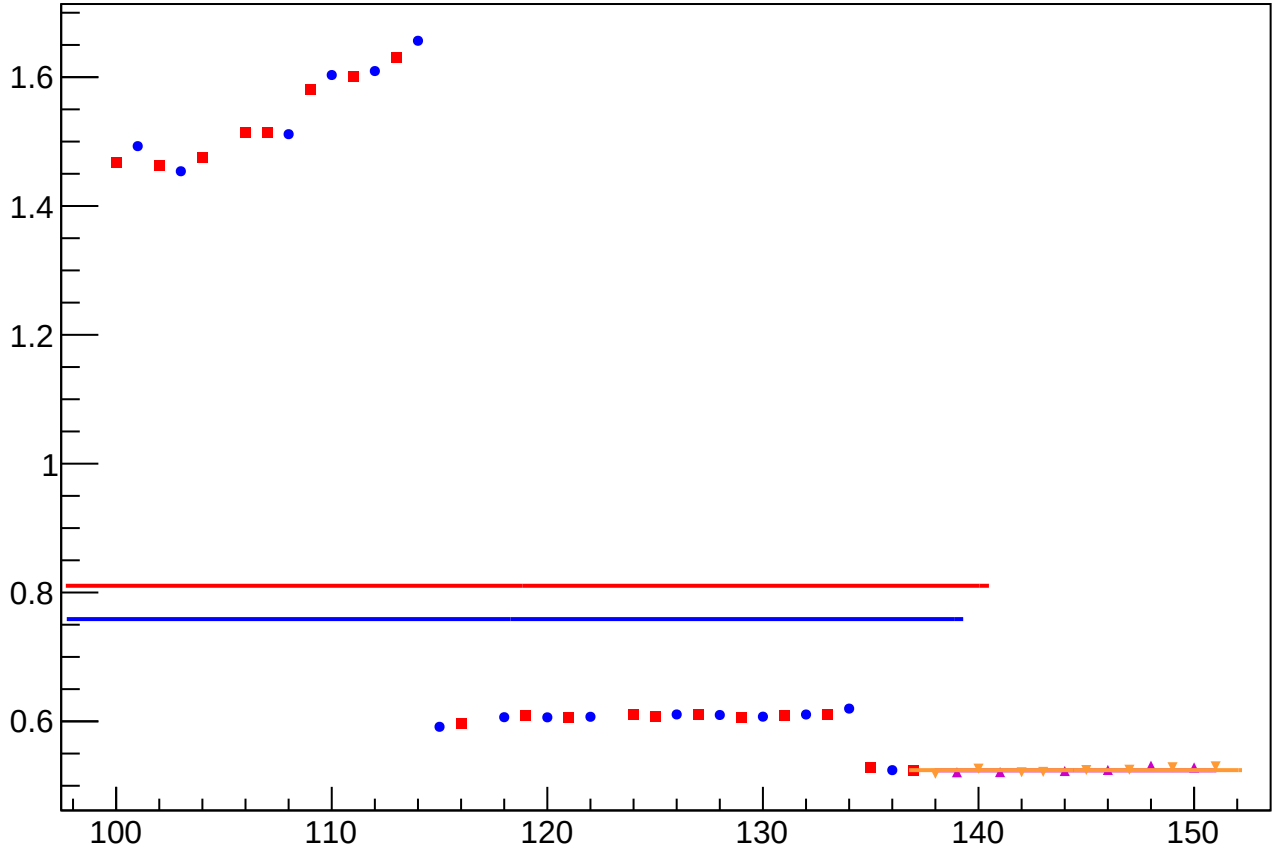
Left In: 0.020+/-0.000 χ^2/NDF:526521.5/5

+ sign 0.020+/-0.000 χ^2/NDF: 1563701.1/23

All: 0.021+/-0.000 χ^2/NDF: 3574213.6/48

- sign 0.022+/-0.000 χ^2/NDF: 1937082.0/24

yield_bpm4aY_mean vs Slug



Right In: 0.759+/-0.000 χ^2/NDF: 4304169889.2/15

Left Out: 0.524+/-0.000 χ^2/NDF:494279.0/7

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

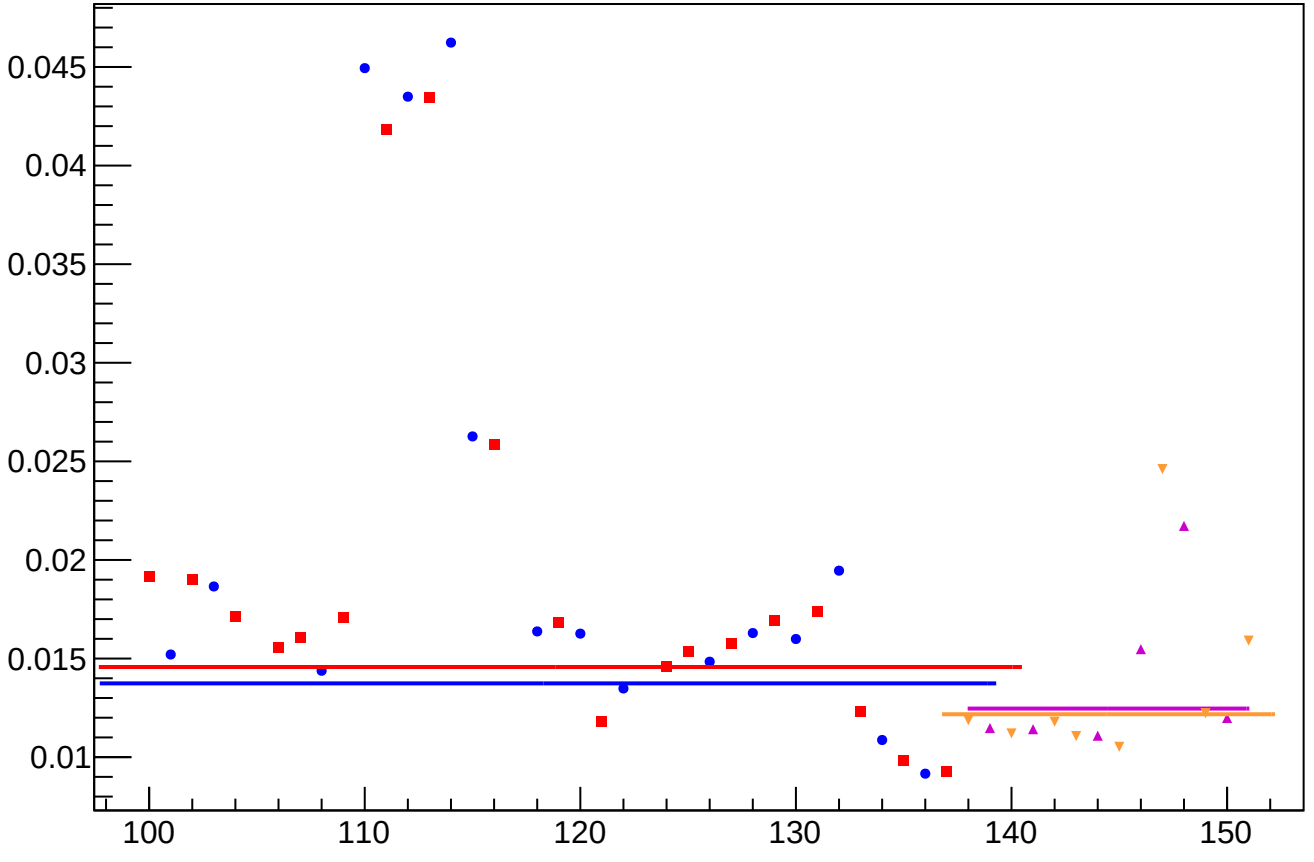
Left In: 0.524+/-0.000 χ^2/NDF:326084.2/5

+ sign 0.630+/-0.000 χ^2/NDF: 5252725812.1/23

All: 0.646+/-0.000 χ^2/NDF: 11295883053.5/4

- sign 0.663+/-0.000 χ^2/NDF: 6008214829.3/24

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:558950.4/7

Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

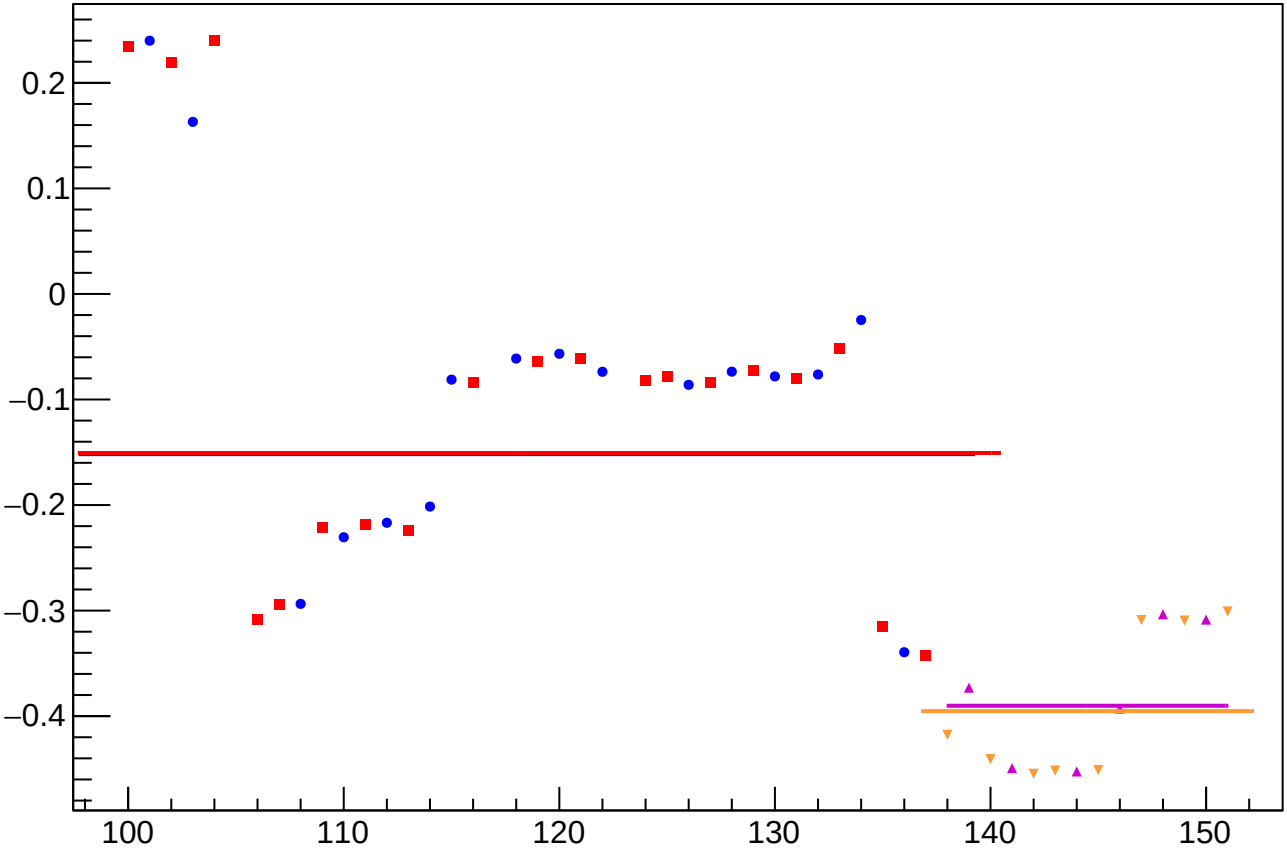
Left In: 0.012+/-0.000 χ^2/NDF:402239.9/5

+ sign 0.013+/-0.000 χ^2/NDF: 2293109.0/23

All: 0.013+/-0.000 χ^2/NDF: 4308090.2/48

- sign 0.013+/-0.000 χ^2/NDF: 1991404.6/24

yield_bpm4eX_mean vs Slug



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.395+/-0.000 χ^2/NDF:66991833.4/7

Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

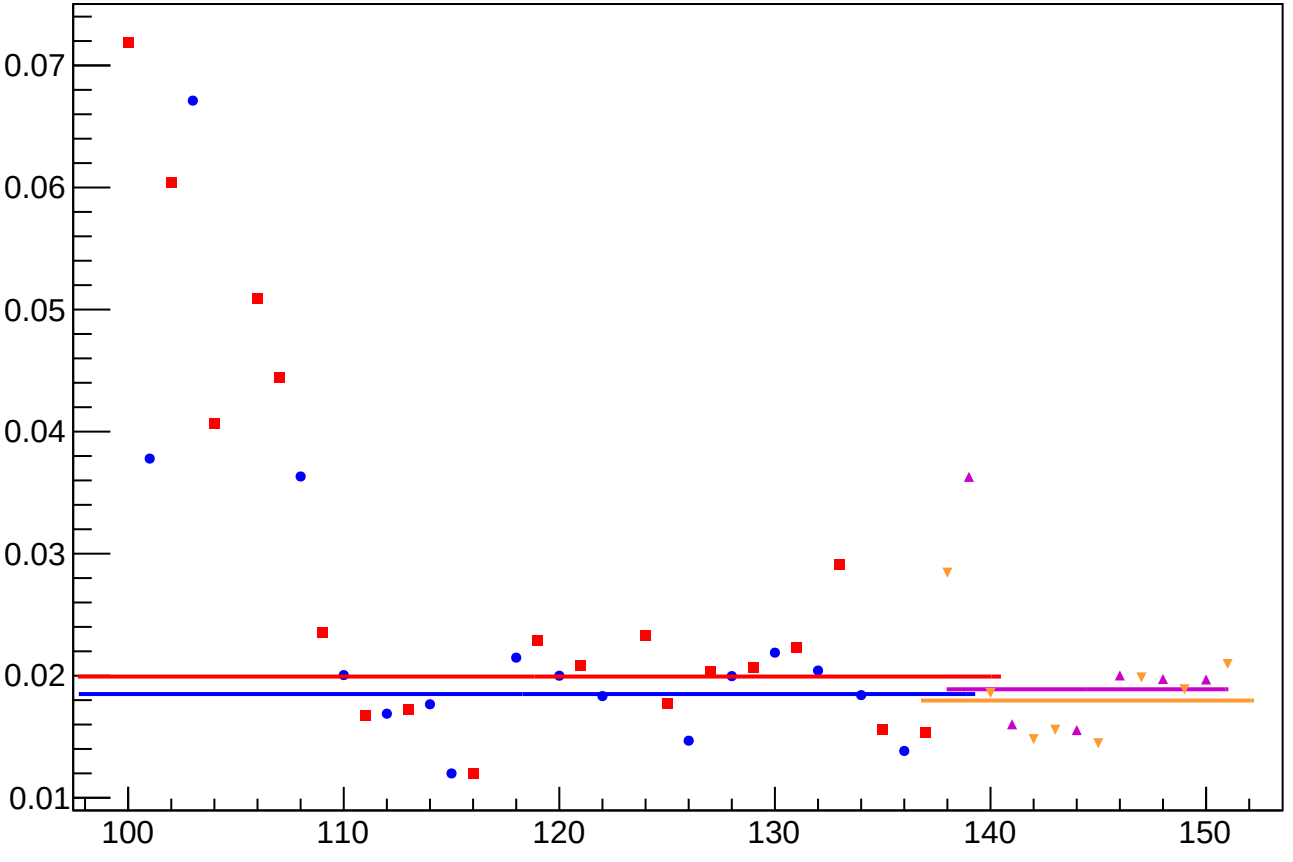
Left In: -0.390+/-0.000 χ^2/NDF:45334481.2/5

+ sign -0.270+/-0.000 χ^2/NDF: 786207068.2/23

All: -0.265+/-0.000 χ^2/NDF: 1387645941.0/4

- sign -0.259+/-0.000 χ^2/NDF: 599841536.4/24

yield_bpm4eX_rms vs Slug



Right In: 0.018+/-0.000 χ^2/NDF: 1372359.1/15

Left Out: 0.018+/-0.000 χ^2/NDF:349682.3/7

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

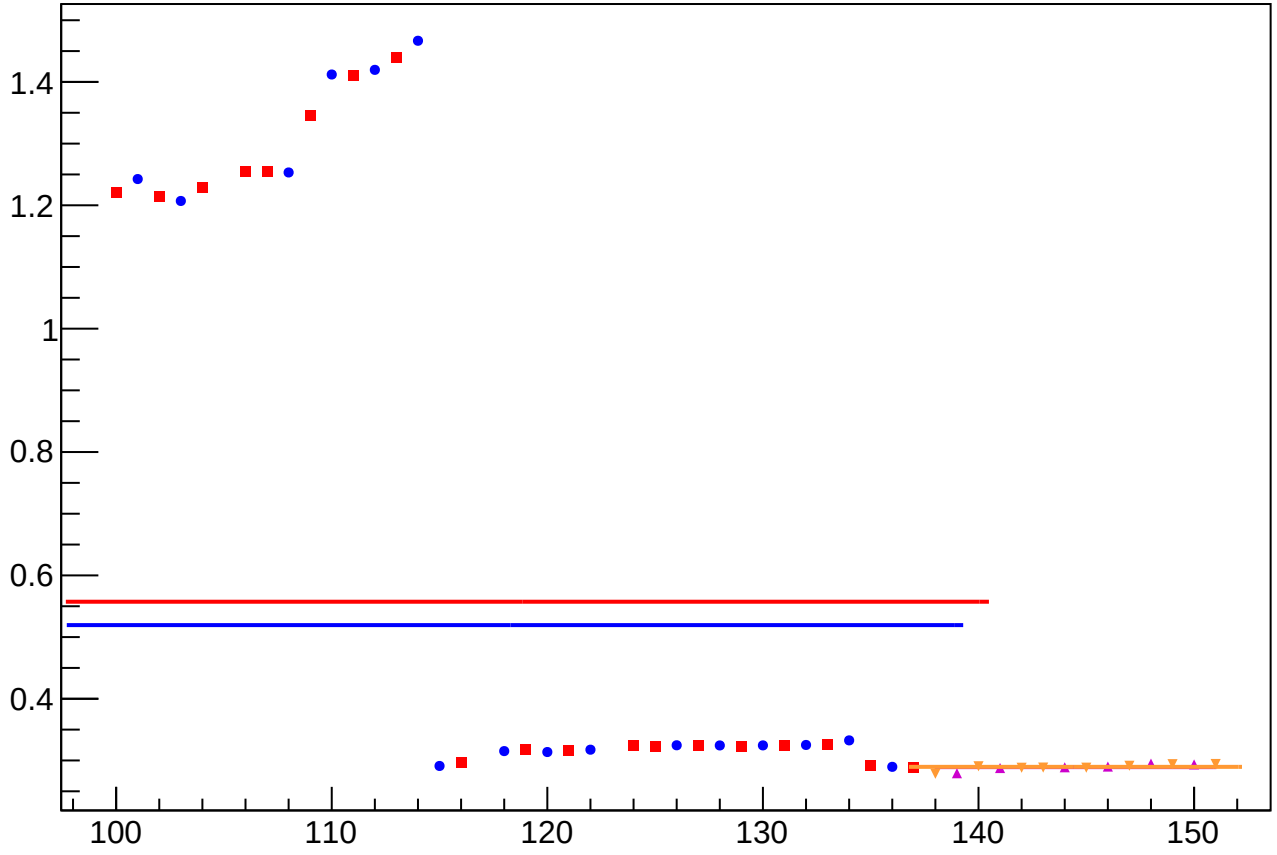
Left In: 0.019+/-0.000 χ^2/NDF:497501.8/5

+ sign 0.018+/-0.000 χ^2/NDF: 1726221.8/23

All: 0.019+/-0.000 χ^2/NDF: 3825163.9/48

- sign 0.019+/-0.000 χ^2/NDF: 2058495.4/24

yield_bpm4eY_mean vs Slug



Right In: 0.519+/-0.000 χ^2/NDF: 6319132275.3/15

Left Out: 0.290+/-0.000 χ^2/NDF:830641.5/7

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

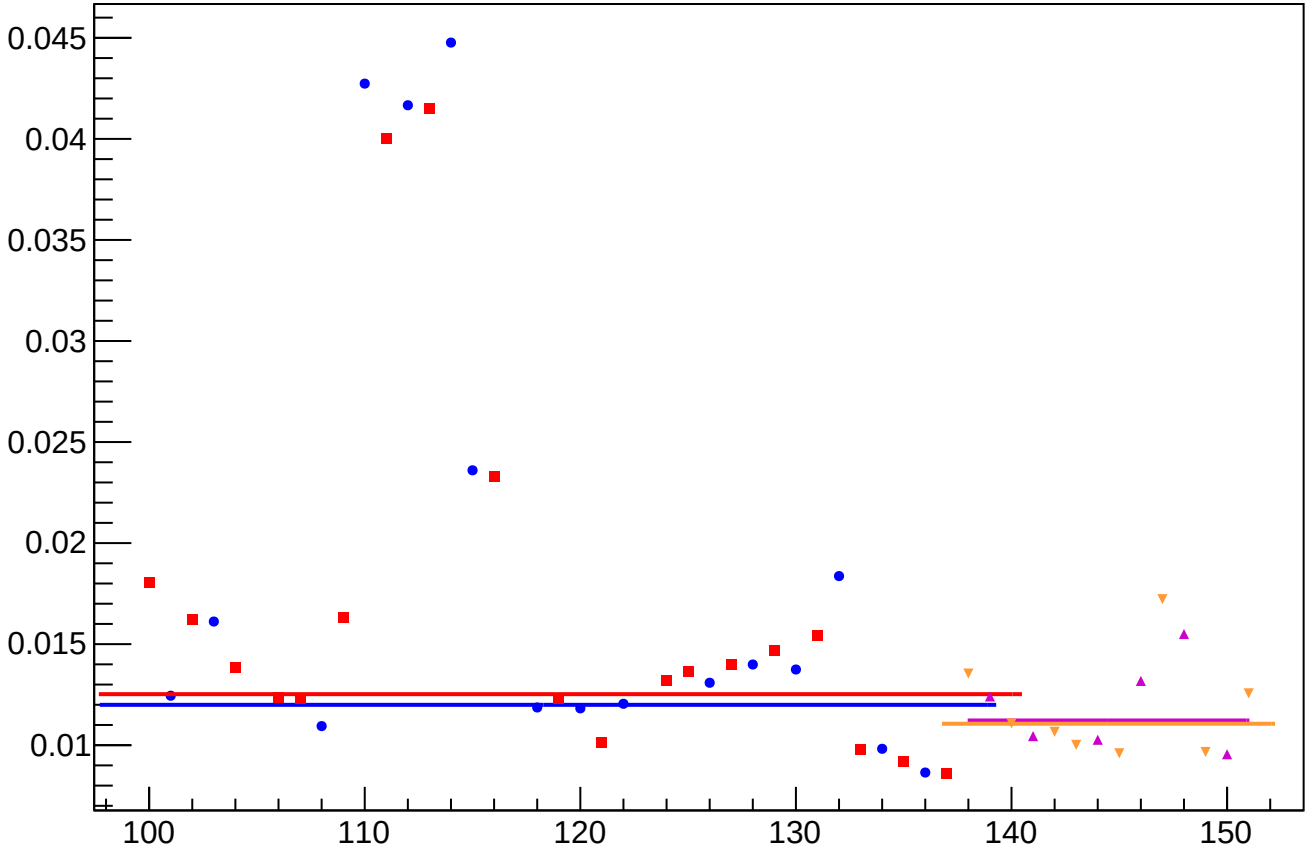
Left In: 0.289+/-0.000 χ^2/NDF:835374.2/5

+ sign 0.398+/-0.000 χ^2/NDF: 7479936507.7/23

All: 0.410+/-0.000 χ^2/NDF: 15654242473.7/4

- sign 0.424+/-0.000 χ^2/NDF: 8146129068.0/24

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:366311.5/7

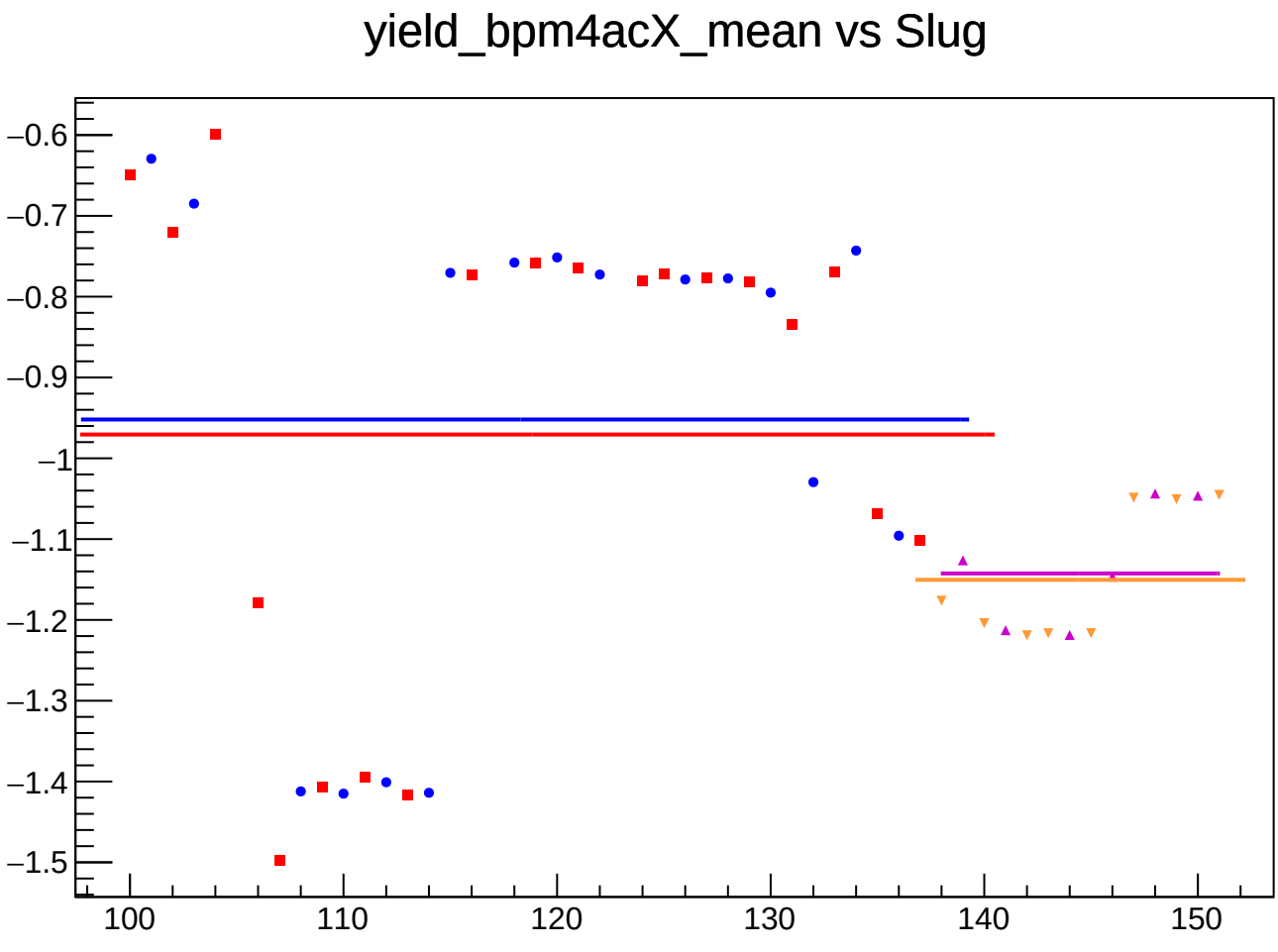
Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

Left In: 0.011+/-0.000 χ^2/NDF:250307.4/5

+ sign 0.012+/-0.000 χ^2/NDF: 1896367.5/23

All: 0.012+/-0.000 χ^2/NDF: 3658543.6/48

- sign 0.012+/-0.000 χ^2/NDF: 1750554.6/24



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.150+/-0.000 χ^2/NDF:85582939.5/7

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

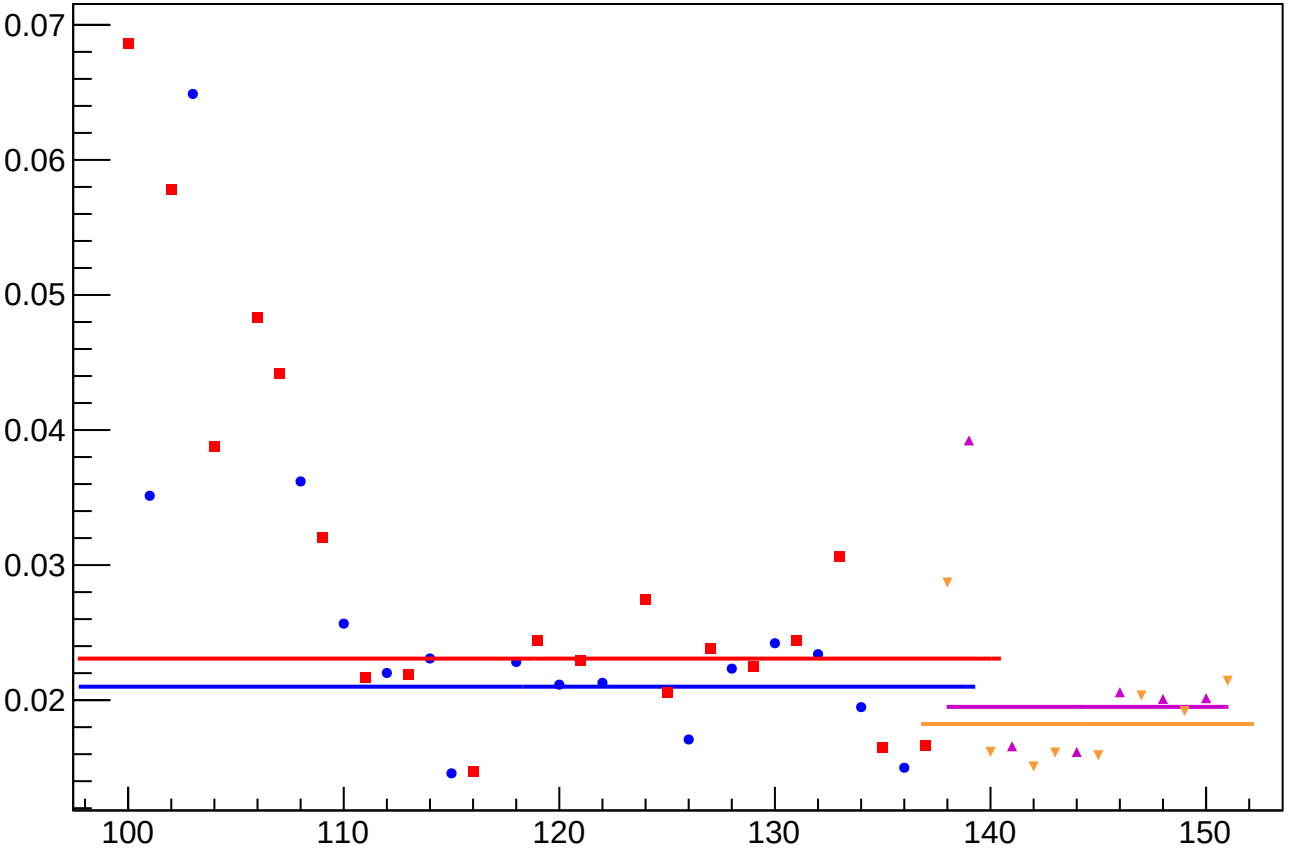
Left In: -1.142+/-0.000 χ^2/NDF:59117119.4/5

+ sign -1.058+/-0.000 χ^2/NDF: 1039516374.3/23

All: -1.057+/-0.000 χ^2/NDF: 1967791591.1/4

- sign -1.057+/-0.000 χ^2/NDF: 928265742.2/24

yield_bpm4acX_rms vs Slug



Right In: 0.021+/-0.000 χ^2/NDF: 1166992.9/15

Left Out: 0.018+/-0.000 χ^2/NDF:310483.1/7

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

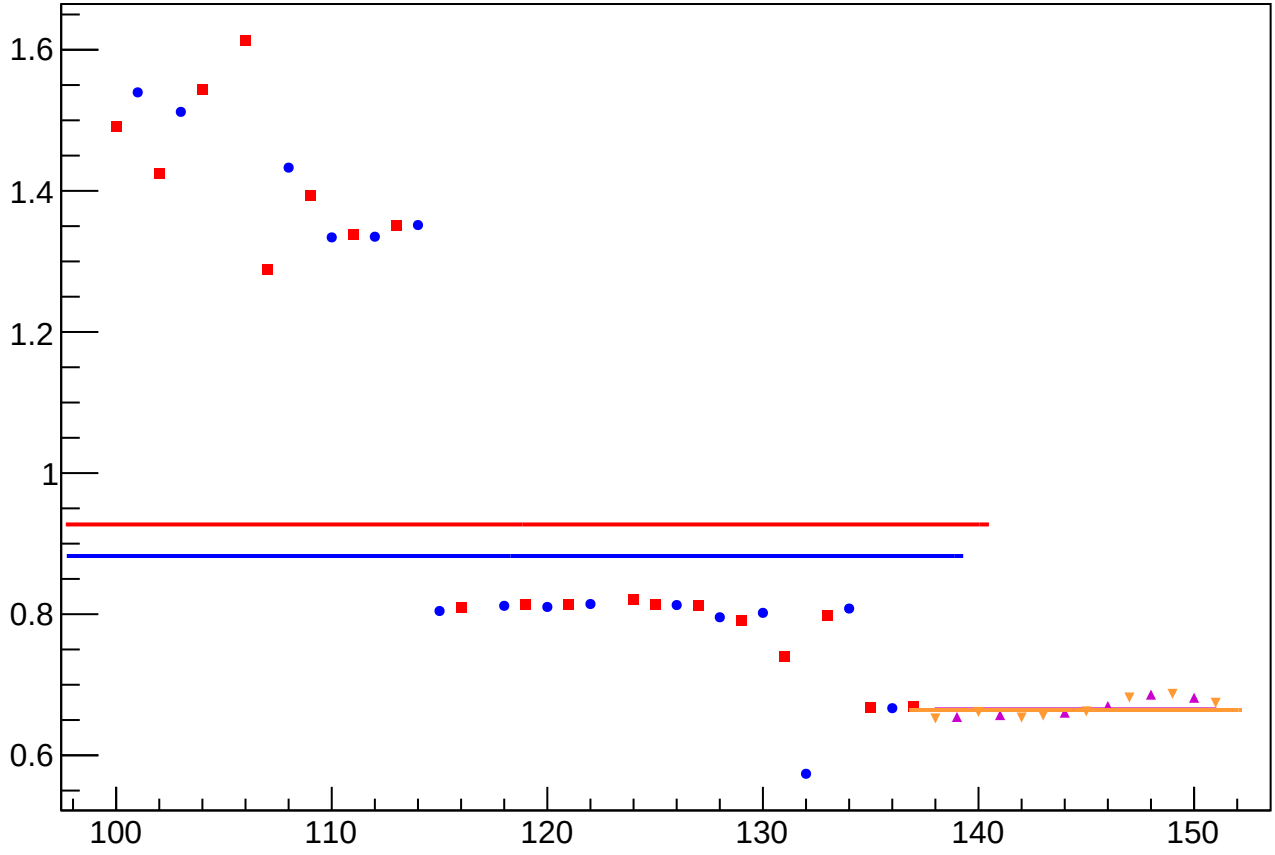
Left In: 0.020+/-0.000 χ^2/NDF:525669.1/5

+ sign 0.020+/-0.000 χ^2/NDF: 1575961.3/23

All: 0.020+/-0.000 χ^2/NDF: 3588290.8/48

- sign 0.021+/-0.000 χ^2/NDF: 1940698.7/24

yield_bpm4acY_mean vs Slug



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.664+/-0.000 χ^2/NDF:5161812.0/7

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

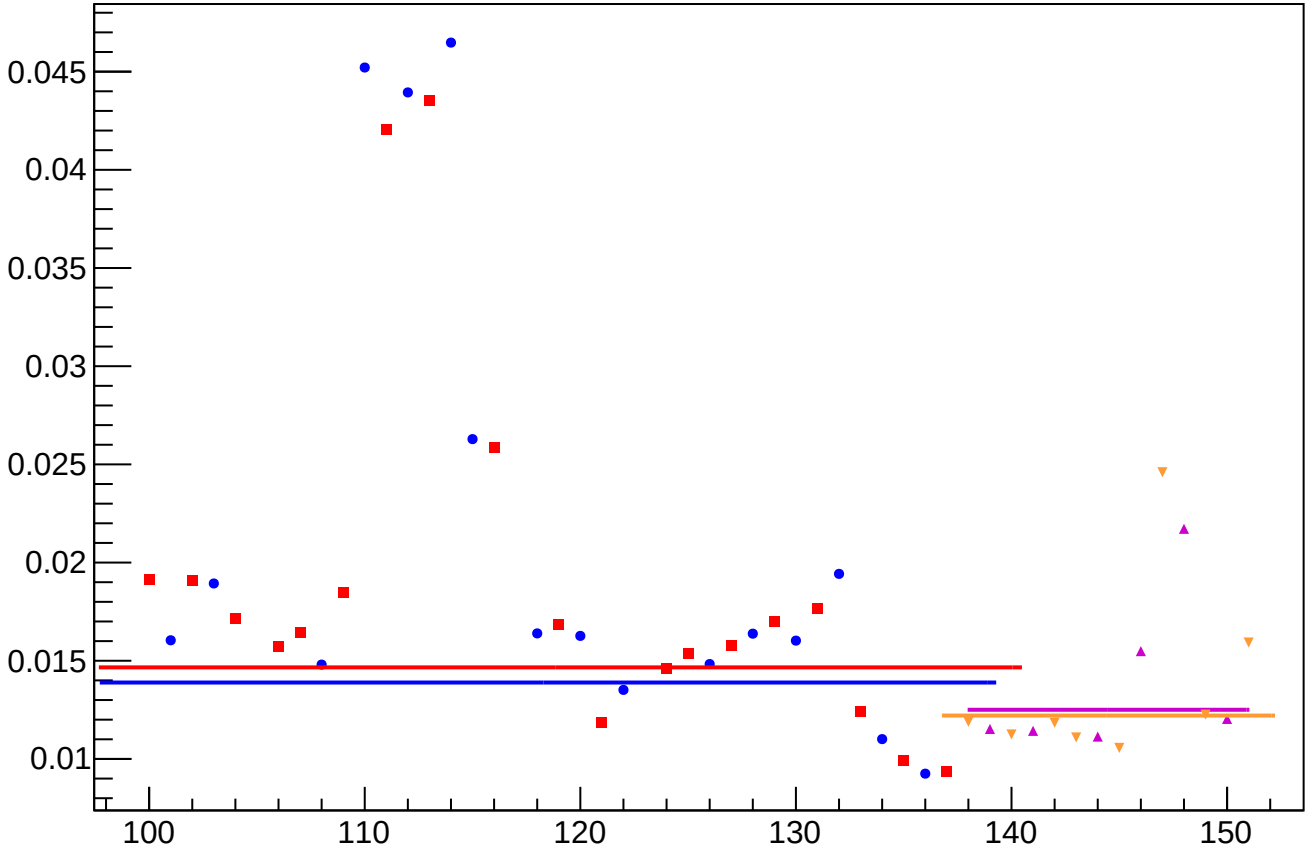
Left In: 0.665+/-0.000 χ^2/NDF:3750860.7/5

+ sign 0.762+/-0.000 χ^2/NDF: 3596855356.0/23

All: 0.776+/-0.000 χ^2/NDF: 7415688614.0/48

- sign 0.792+/-0.000 χ^2/NDF: 3790302340.7/24

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:554565.5/7

Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

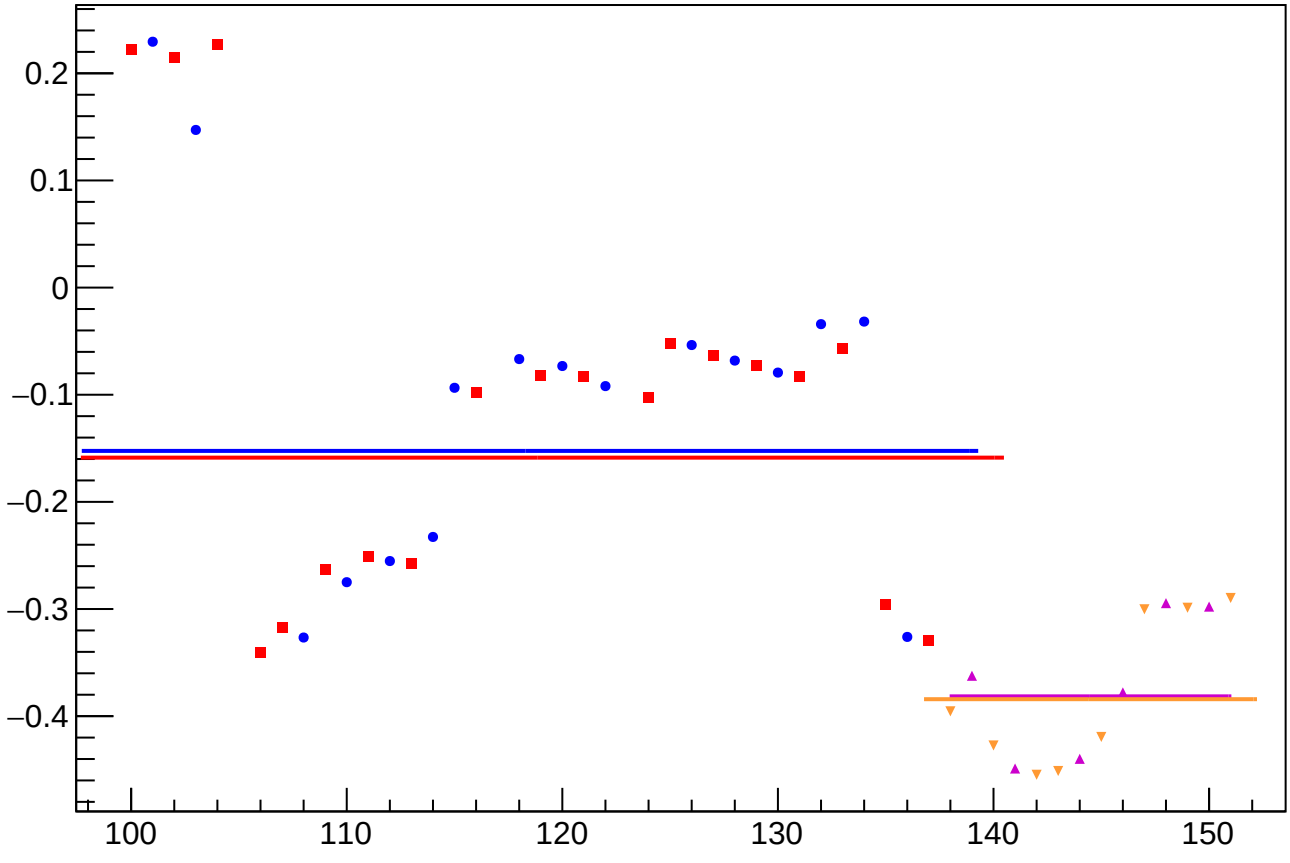
Left In: 0.013+/-0.000 χ^2/NDF:397851.2/5

+ sign 0.013+/-0.000 χ^2/NDF: 2297191.9/23

All: 0.013+/-0.000 χ^2/NDF: 4322777.8/48

- sign 0.014+/-0.000 χ^2/NDF: 2003721.9/24

yield_bpm4ecX_mean vs Slug



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.384+/-0.000 χ^2/NDF:64816671.3/7

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

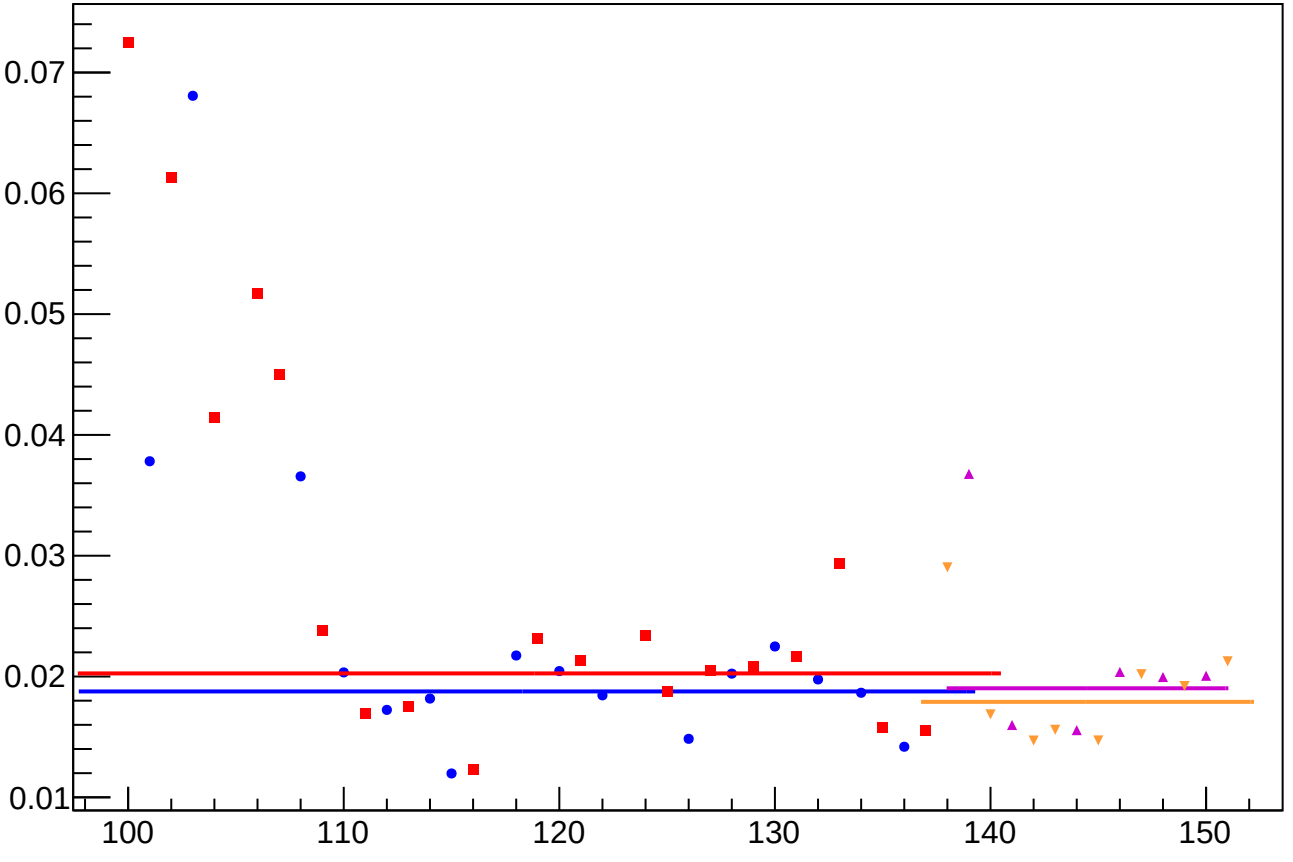
Left In: -0.382+/-0.000 χ^2/NDF:46571706.4/5

+ sign -0.266+/-0.000 χ^2/NDF: 734291229.4/23

All: -0.263+/-0.000 χ^2/NDF: 1277026706.8/4

- sign -0.260+/-0.000 χ^2/NDF: 542266419.4/24

yield_bpm4ecX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF: 1349412.3/15

Left Out: 0.018+/-0.000 χ^2/NDF:371245.4/7

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

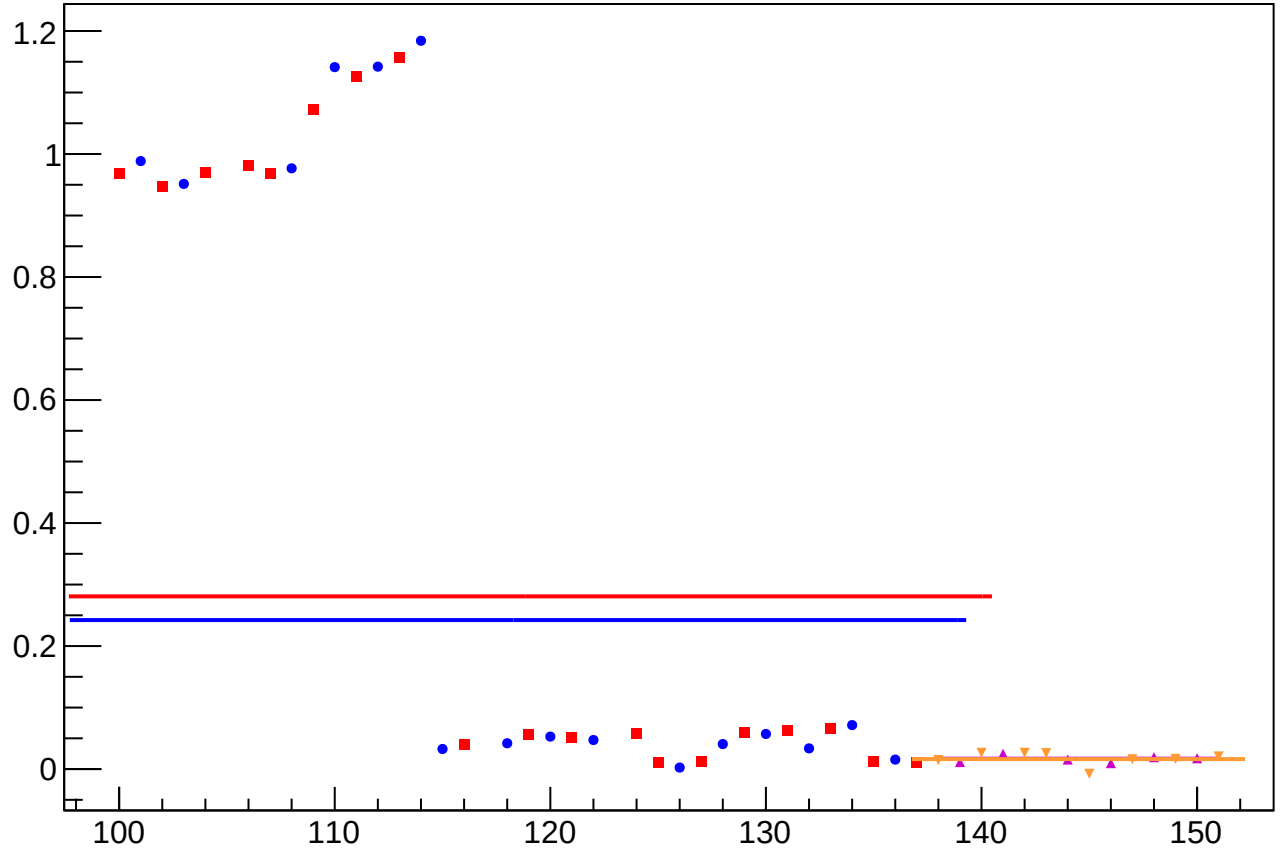
Left In: 0.019+/-0.000 χ^2/NDF:514923.4/5

+ sign 0.018+/-0.000 χ^2/NDF: 1731609.9/23

All: 0.019+/-0.000 χ^2/NDF: 3843418.9/48

- sign 0.020+/-0.000 χ^2/NDF: 2062861.5/24

yield_bpm4ecY_mean vs Slug



Right In: 0.242+/-0.000 χ^2/NDF: 6507444426.7/15

Left Out: 0.016+/-0.000 χ^2/NDF:6884984.2/7

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

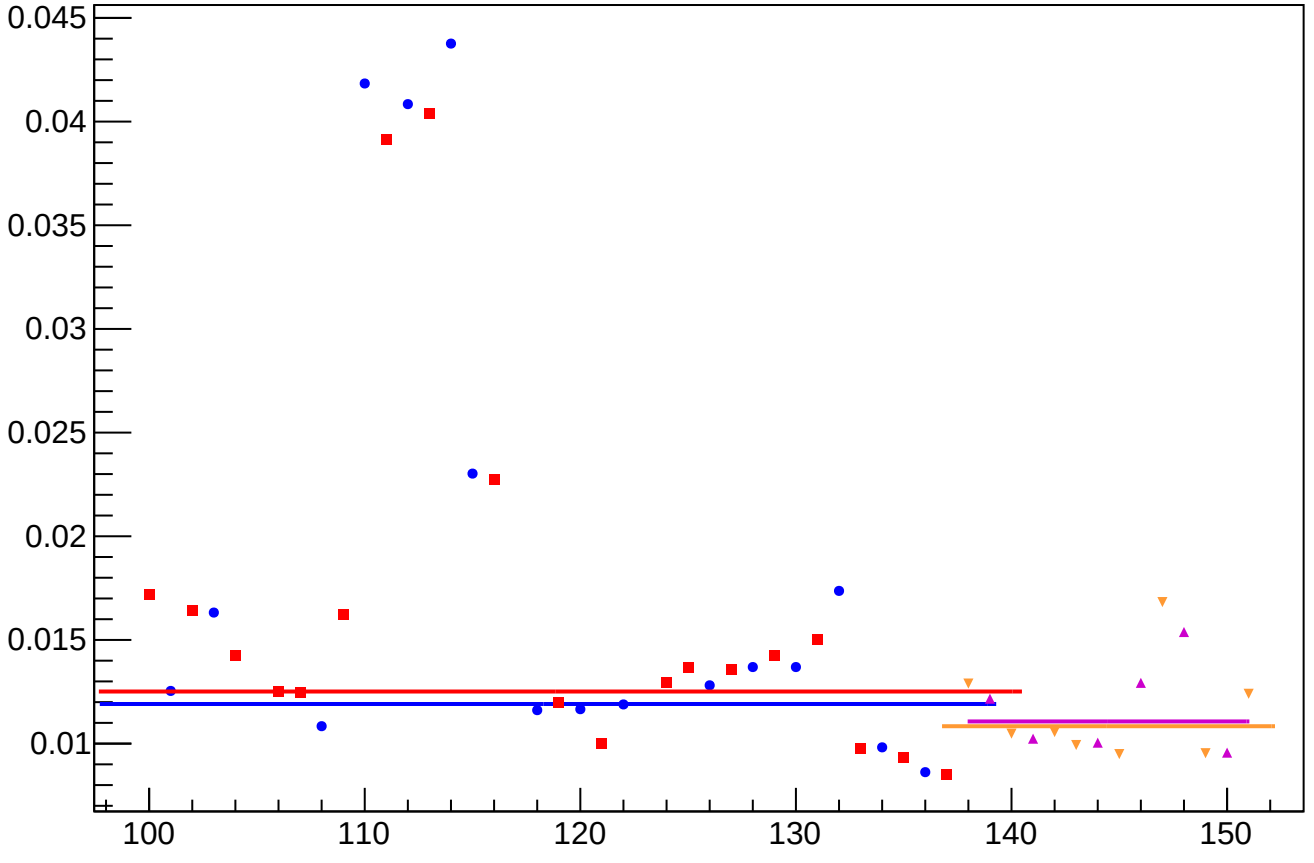
Left In: 0.017+/-0.000 χ^2/NDF:981582.2/5

+ sign 0.121+/-0.000 χ^2/NDF: 7668791426.3/23

All: 0.133+/-0.000 χ^2/NDF: 15834078426.3/4

- sign 0.148+/-0.000 χ^2/NDF: 8135283421.3/24

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:342792.6/7

Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

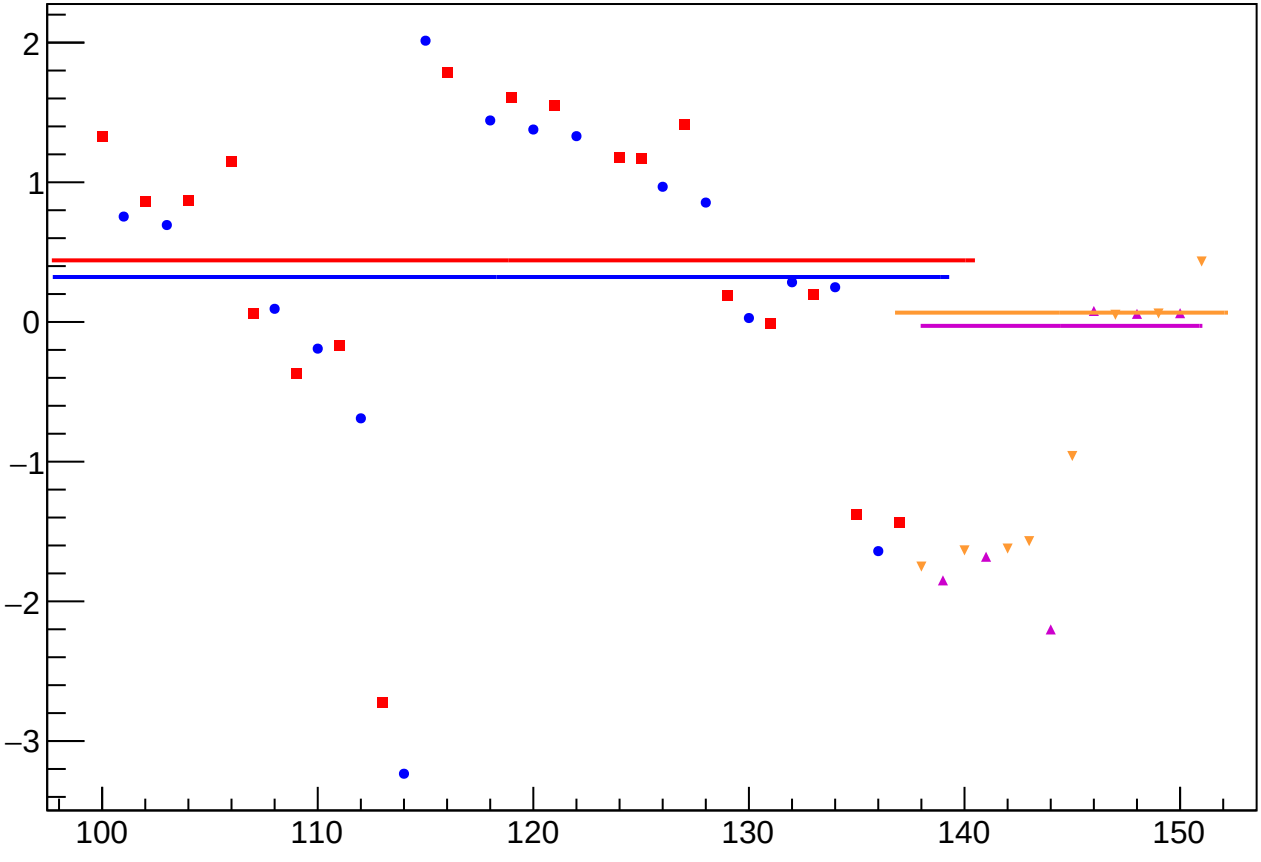
Left In: 0.011+/-0.000 χ^2/NDF:245273.6/5

+ sign 0.011+/-0.000 χ^2/NDF: 1854128.0/23

All: 0.012+/-0.000 χ^2/NDF: 3591274.7/48

- sign 0.012+/-0.000 χ^2/NDF: 1720087.0/24

yield_bpm1X_mean vs Slug



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: 0.067+/-0.000 χ^2/NDF:1523865058.0/7

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

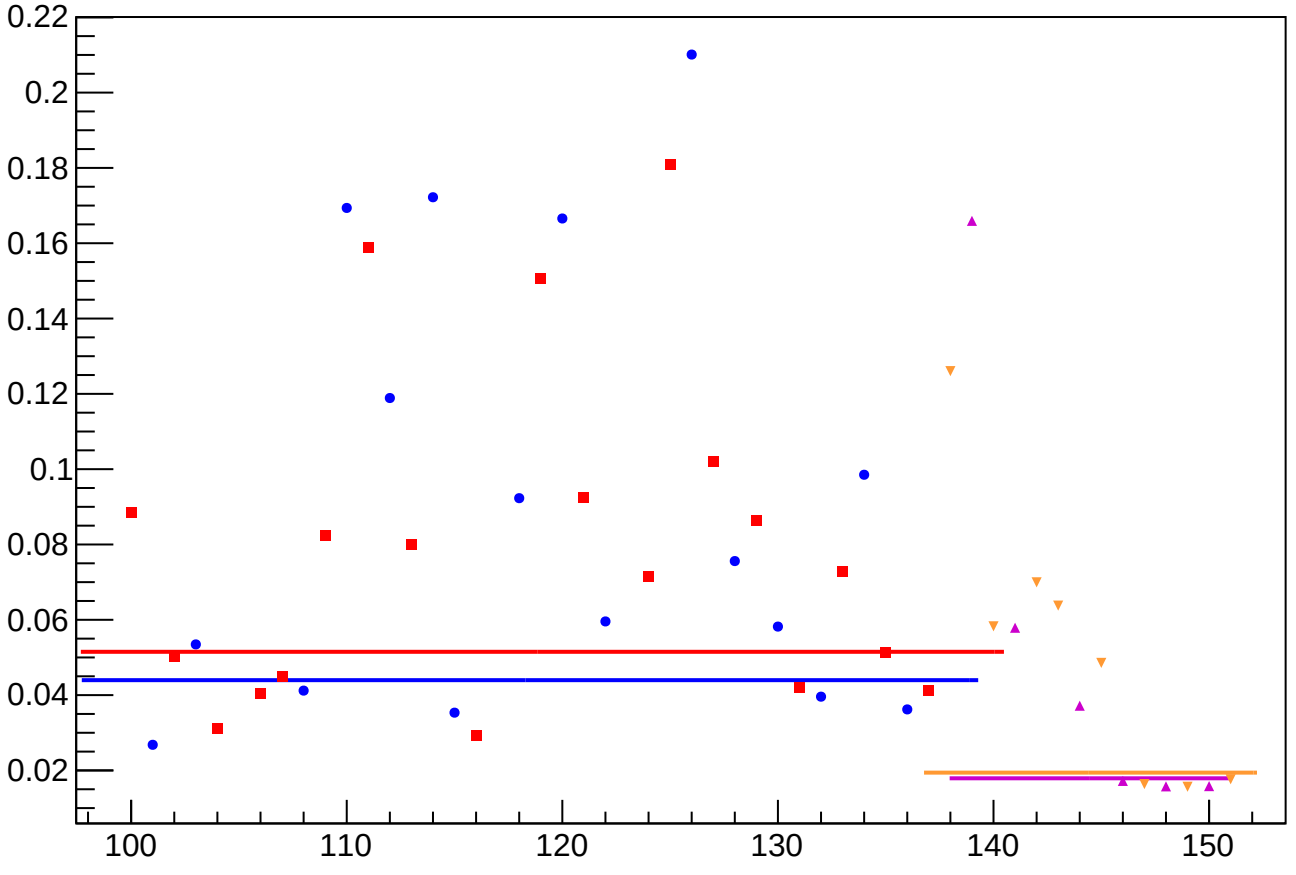
Left In: -0.028+/-0.000 χ^2/NDF:1637716657.3/5

+ sign 0.114+/-0.000 χ^2/NDF: 3293846478.4/23

All: 0.081+/-0.000 χ^2/NDF: 7056861326.9/48

- sign 0.047+/-0.000 χ^2/NDF: 3738897251.8/24

yield_bpm1X_rms vs Slug



Right In: 0.044+/-0.000 χ^2/NDF: 2787474.8/15

Left Out: 0.019+/-0.000 χ^2/NDF:2583808.7/7

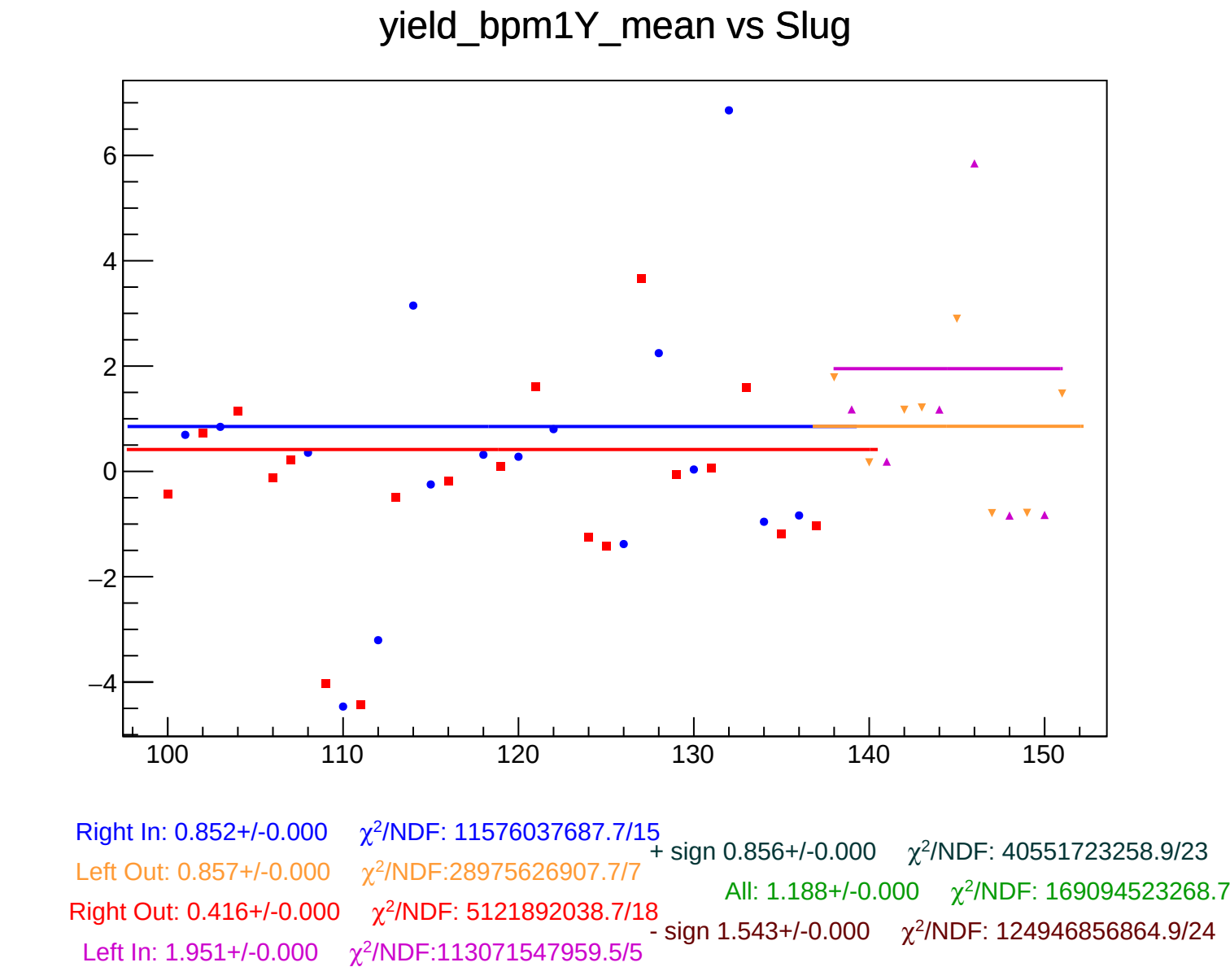
Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.018+/-0.000 χ^2/NDF:1917348.9/5

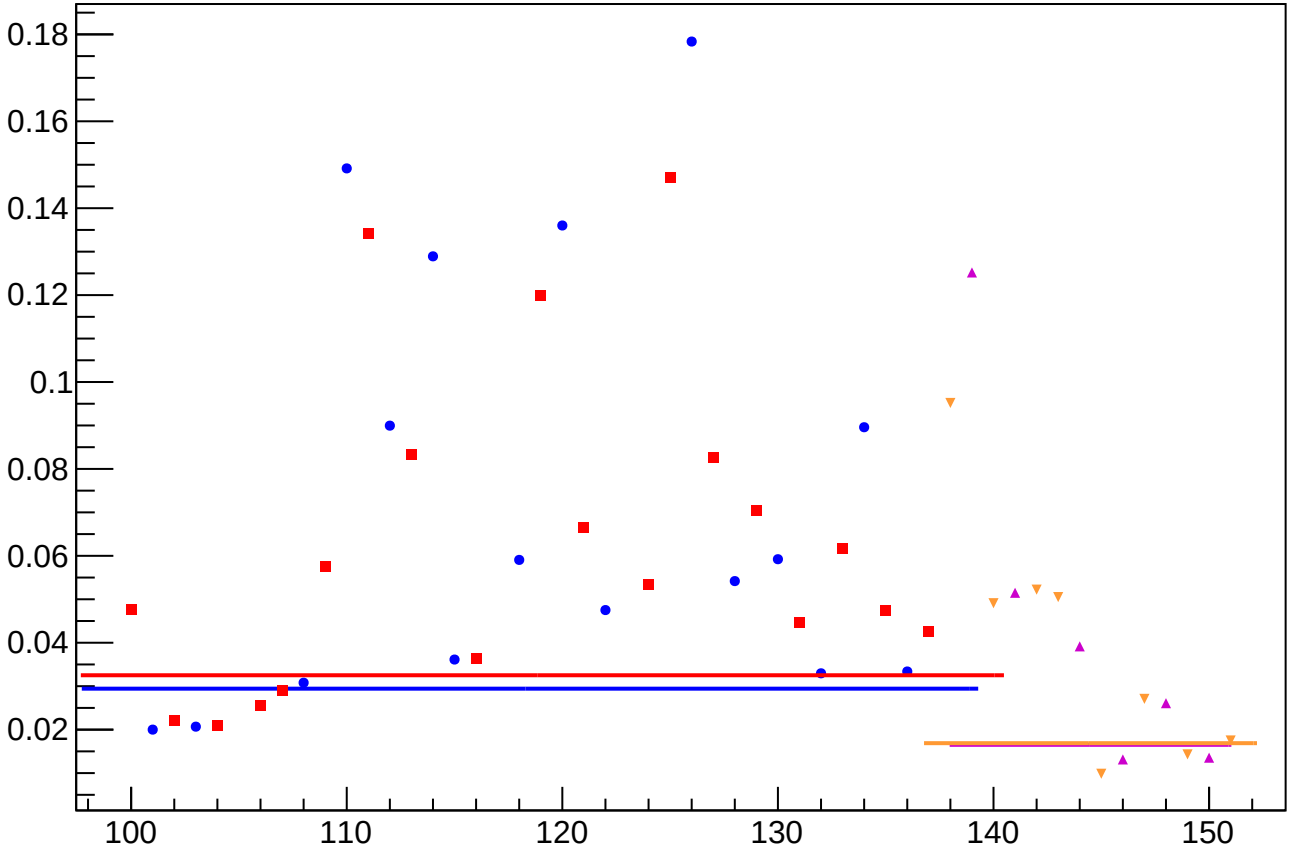
+ sign 0.024+/-0.000 χ^2/NDF: 7317726.1/23

All: 0.024+/-0.000 χ^2/NDF: 14733517.3/48

- sign 0.023+/-0.000 χ^2/NDF: 7409832.1/24


yield_bpm1Y_mean vs Slug
6
4
2
0
−2
−4
100
110
120
130
140
150
Right In: 0.852+/-0.000 χ²/NDF: 11576037687.7/15
Left Out: 0.857+/-0.000 χ²/NDF:28975626907.7/7
Right Out: 0.416+/-0.000 χ²/NDF: 5121892038.7/18
Left In: 1.951+/-0.000 χ²/NDF:113071547959.5/5
+ sign 0.856+/-0.000 χ²/NDF: 40551723258.9/23
All: 1.188+/-0.000 χ²/NDF: 169094523268.7
- sign 1.543+/-0.000 χ²/NDF: 124946856864.9/24

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF: 3192424.8/15

Left Out: 0.017+/-0.000 χ^2/NDF:2541290.9/7

Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

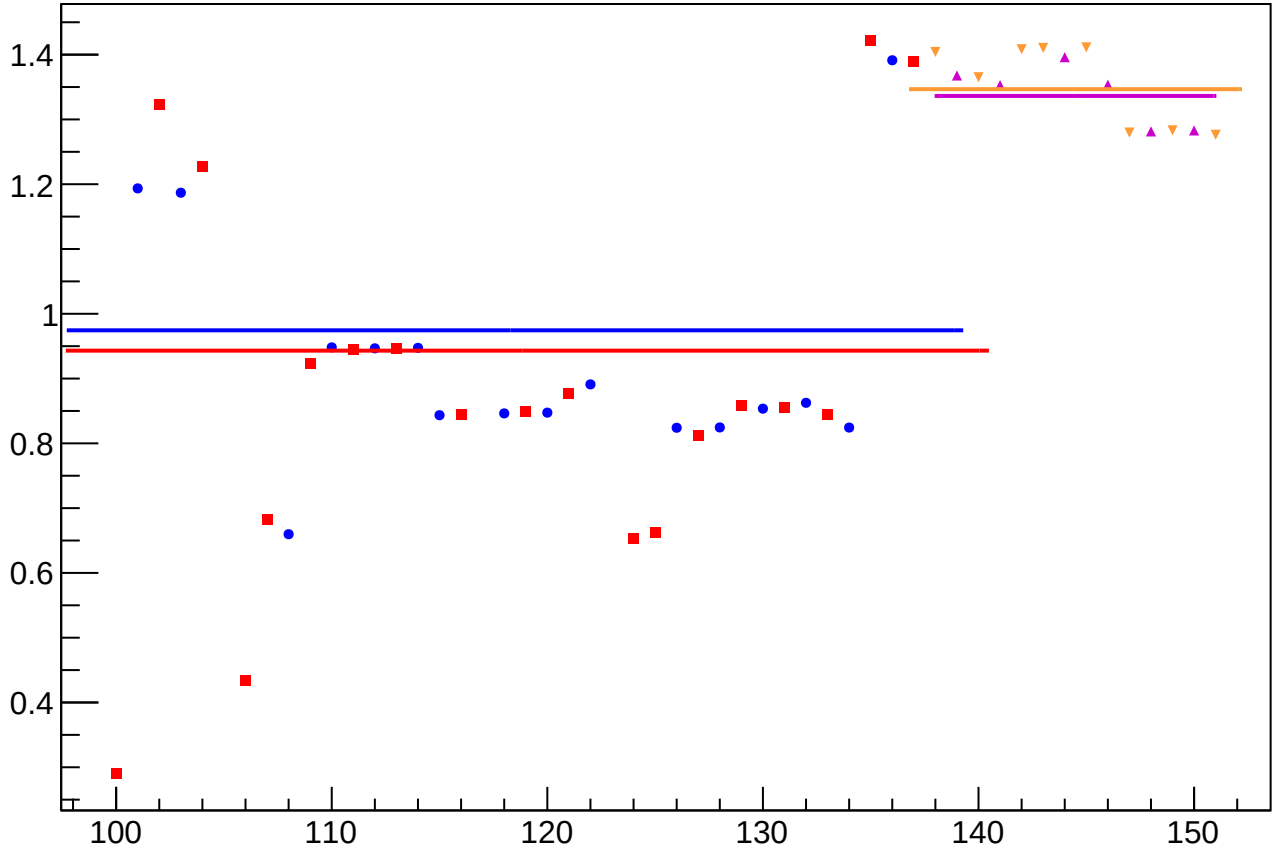
Left In: 0.017+/-0.000 χ^2/NDF:2287174.6/5

+ sign 0.020+/-0.000 χ^2/NDF: 6711013.7/23

All: 0.021+/-0.000 χ^2/NDF: 13786996.5/48

- sign 0.021+/-0.000 χ^2/NDF: 7072622.6/24

yield_bpm11X_mean vs Slug



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.347+/-0.000 χ^2/NDF:125453711.0/7

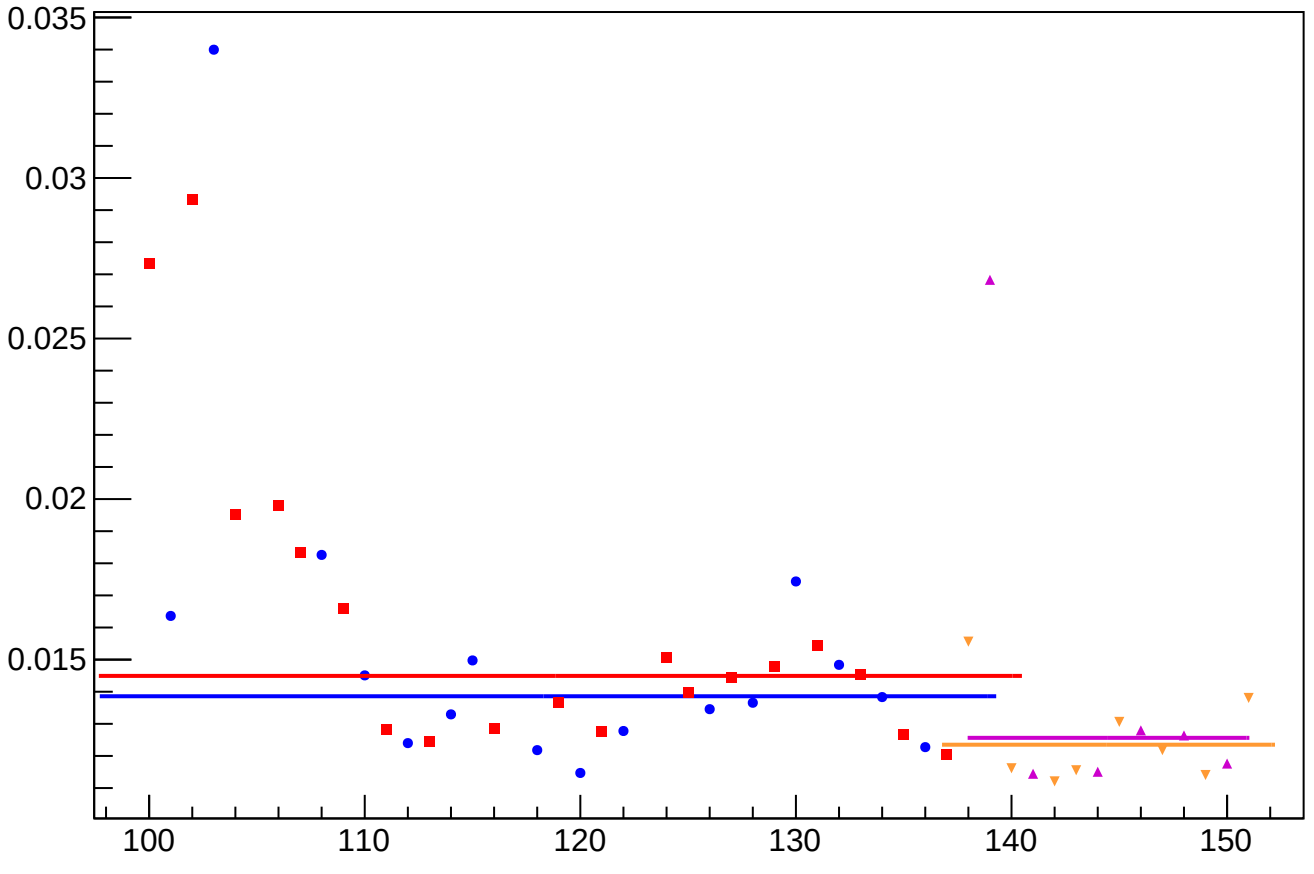
Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

Left In: 1.336+/-0.000 χ^2/NDF:56805977.5/5

+ sign 1.166+/-0.000 χ^2/NDF: 3896456731.6/23

All: 1.150+/-0.000 χ^2/NDF: 7931560656.2/48

- sign 1.132+/-0.000 χ^2/NDF: 3998925725.3/24



Right In: 0.014+/-0.000 χ^2/NDF: 599979.5/15

Left Out: 0.012+/-0.000 χ^2/NDF:105548.9/7

Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

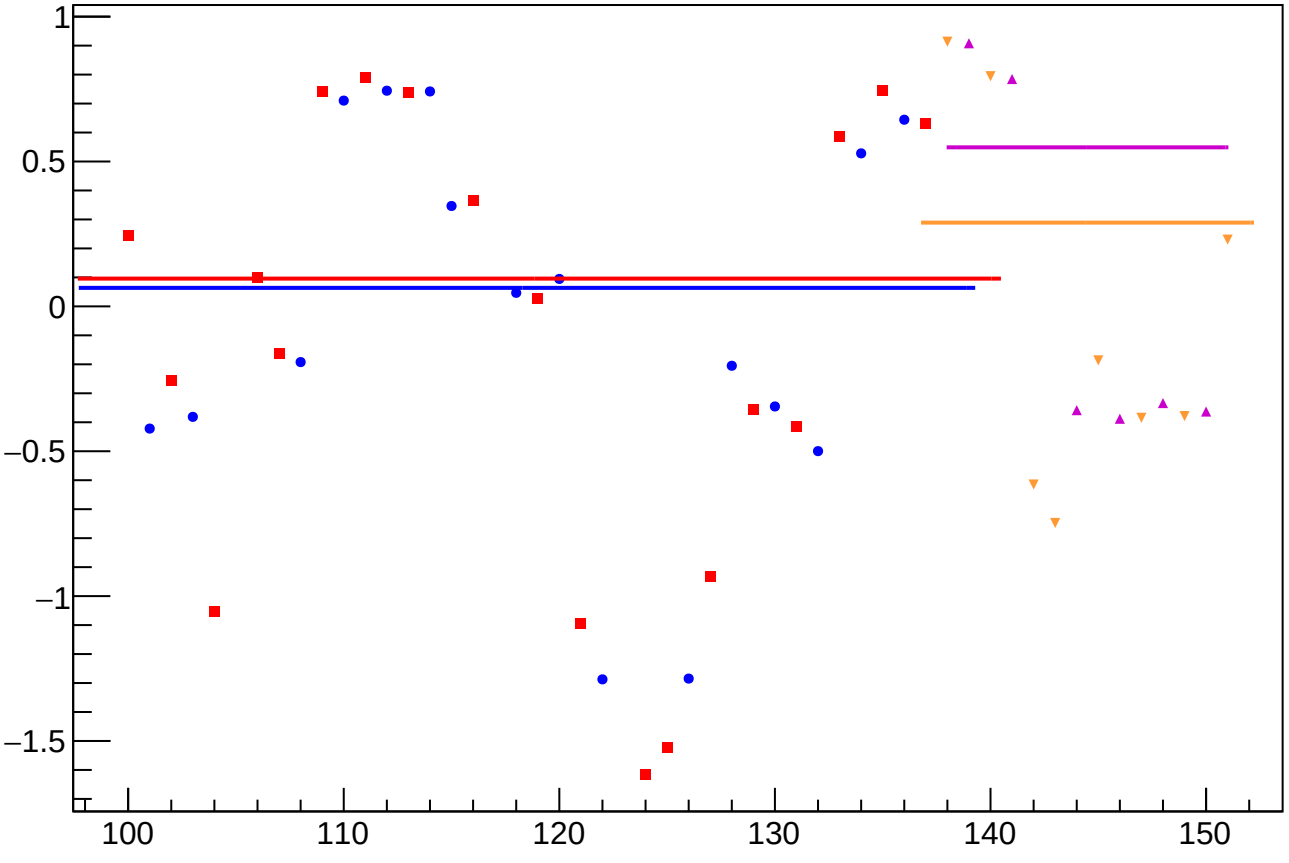
Left In: 0.013+/-0.000 χ^2/NDF:493319.4/5

+ sign 0.013+/-0.000 χ^2/NDF: 781530.5/23

All: 0.013+/-0.000 χ^2/NDF: 1943193.2/48

- sign 0.014+/-0.000 χ^2/NDF: 1147053.5/24

yield_bpm11Y_mean vs Slug



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.289+/-0.000 χ^2/NDF:19240146875.8/7

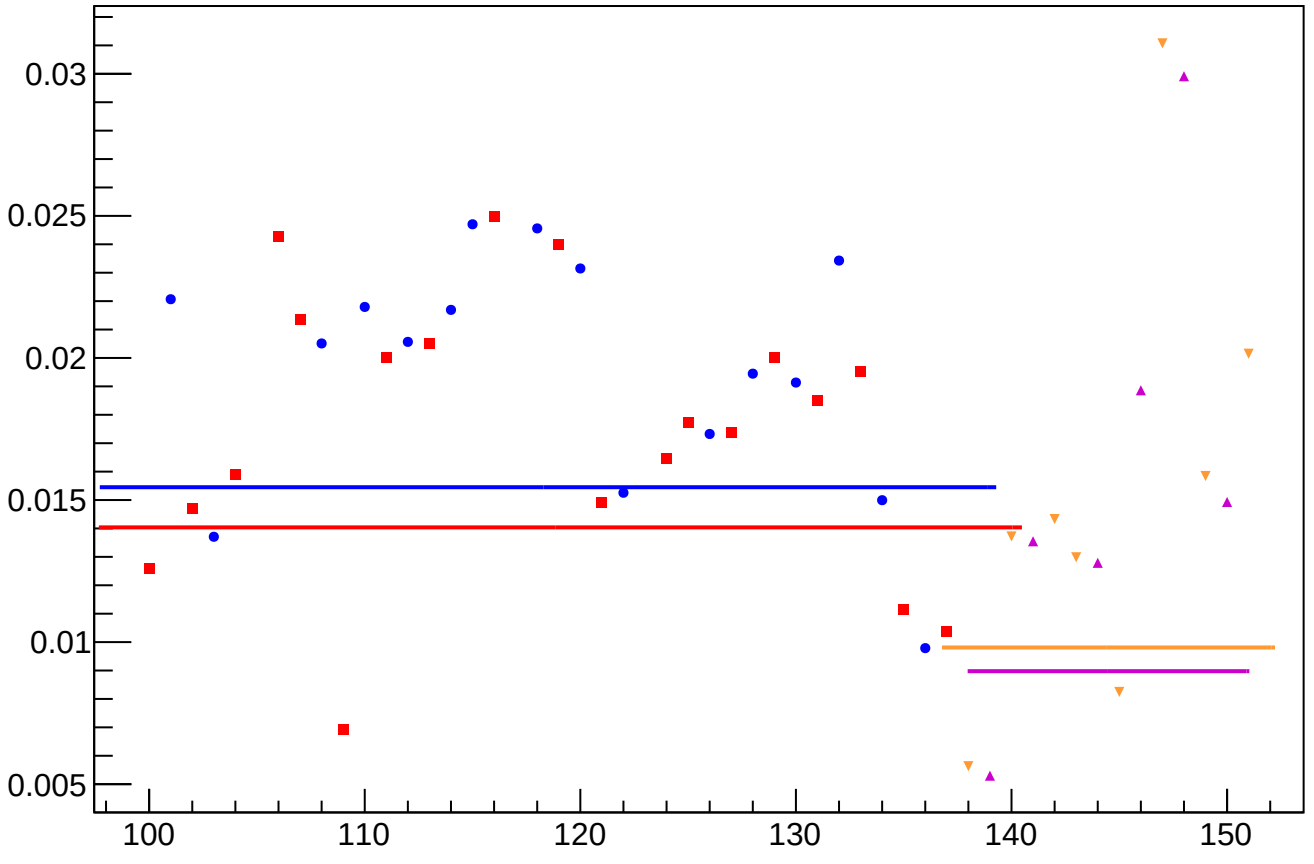
Right Out: 0.096+/-0.000 χ^2/NDF: 17784850774.3/18

Left In: 0.549+/-0.000 χ^2/NDF:14166290794.3/5

+ sign 0.209+/-0.000 χ^2/NDF: 31100903006.2/23

All: 0.291+/-0.000 χ^2/NDF: 67664633710.5/4

- sign 0.369+/-0.000 χ^2/NDF: 35638418017.6/24



Right In: 0.015+/-0.000 χ^2/NDF: 1293711.1/15

Left Out: 0.010+/-0.000 χ^2/NDF:2403266.9/7

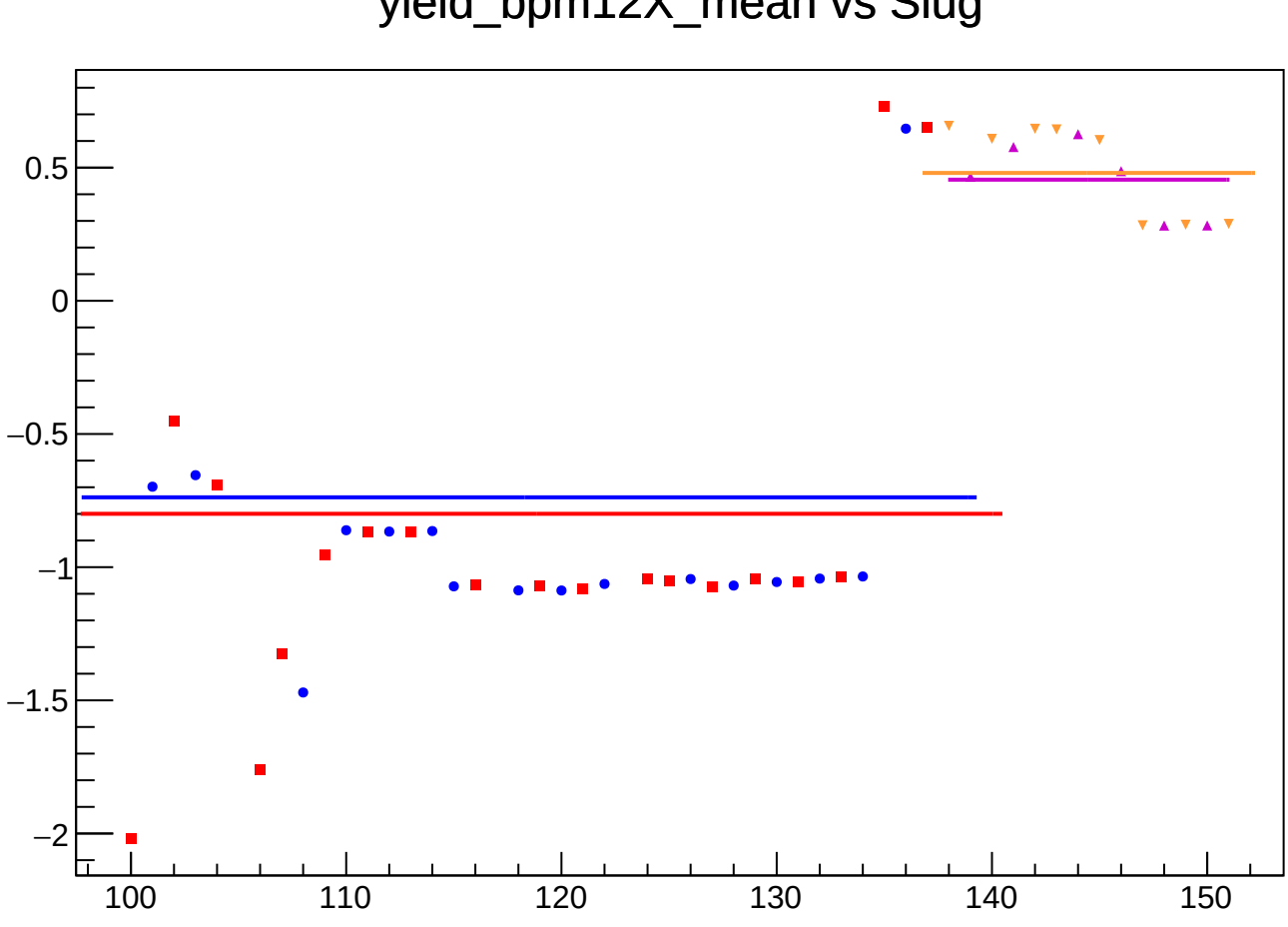
Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

Left In: 0.009+/-0.000 χ^2/NDF:2586843.8/5

+ sign 0.012+/-0.000 χ^2/NDF: 4731461.4/23

All: 0.011+/-0.000 χ^2/NDF: 9973653.0/48

- sign 0.011+/-0.000 χ^2/NDF: 5193563.1/24



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.480+/-0.000 χ^2/NDF:153137574.0/7

Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

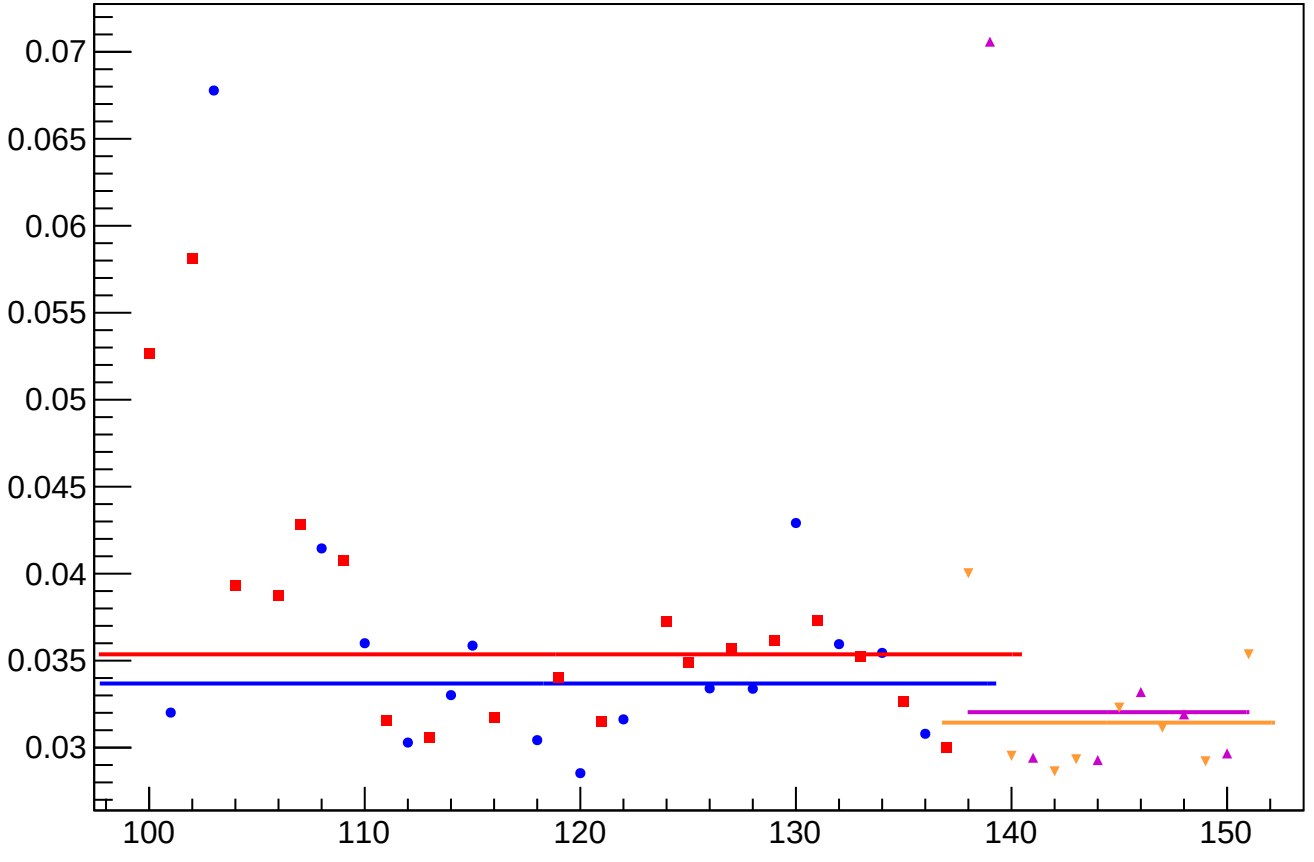
Left In: 0.455+/-0.000 χ^2/NDF:90136678.1/5

+ sign -0.144+/-0.000 χ^2/NDF: 6240202964.7/23

All: -0.183+/-0.000 χ^2/NDF: 11958372112.0/

- sign -0.228+/-0.000 χ^2/NDF: 5682821316.0/24

yield_bpm12X_rms vs Slug



Right In: 0.034+/-0.000 χ^2/NDF: 420227.2/15

Left Out: 0.031+/-0.000 χ^2/NDF:107558.2/7

Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

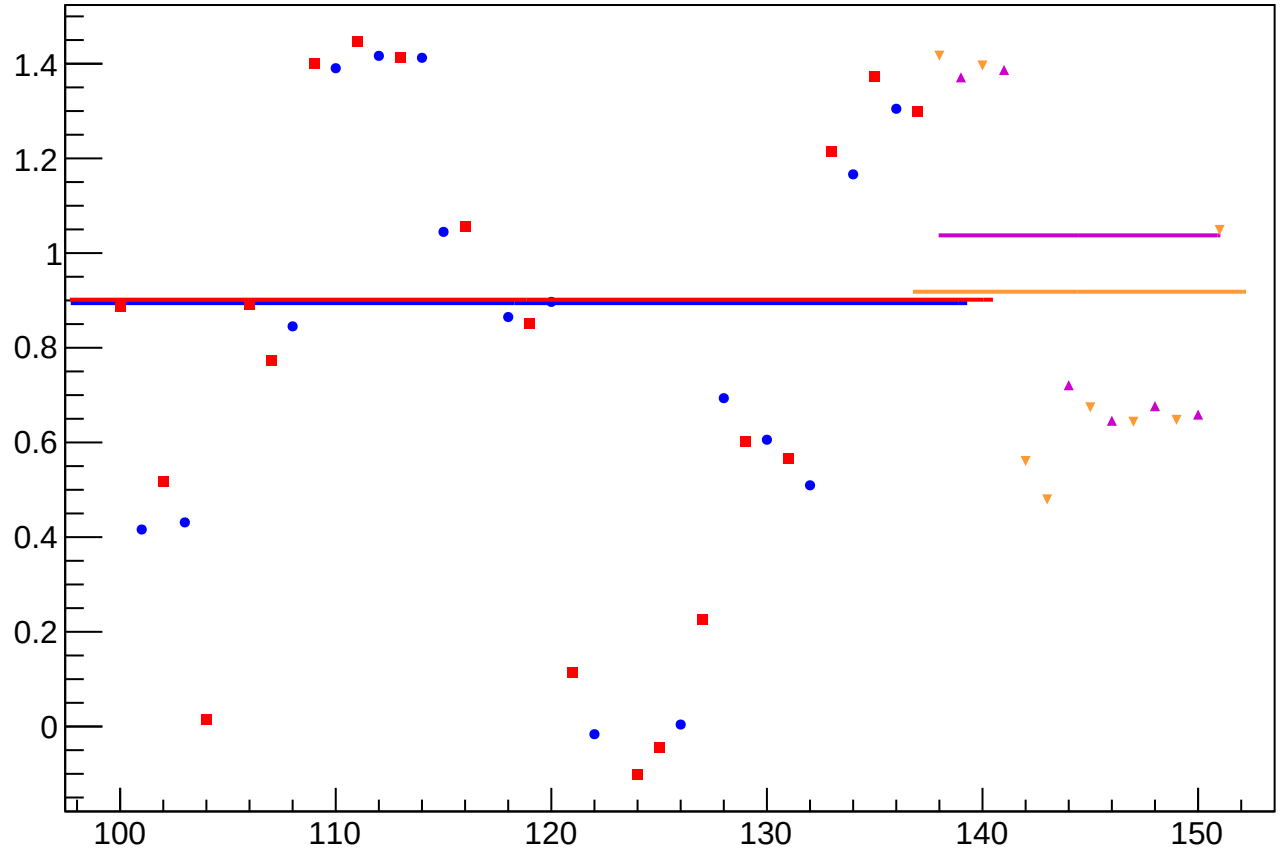
Left In: 0.032+/-0.000 χ^2/NDF:519919.5/5

+ sign 0.033+/-0.000 χ^2/NDF: 555143.3/23

All: 0.033+/-0.000 χ^2/NDF: 1439525.4/48

- sign 0.034+/-0.000 χ^2/NDF: 868383.5/24

yield_bpm12Y_mean vs Slug



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 0.918+/-0.000 χ^2/NDF:10067046679.3/7

Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

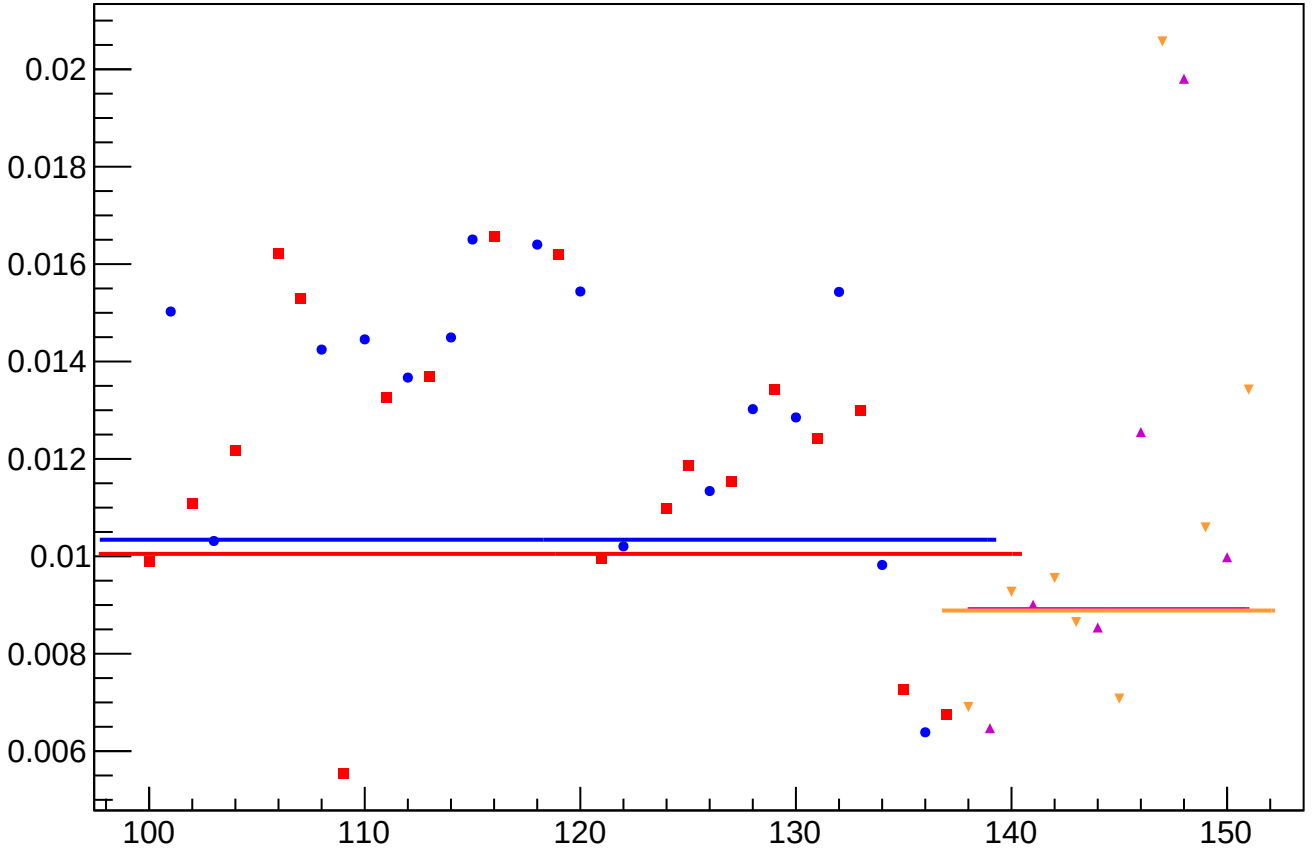
Left In: 1.037+/-0.000 χ^2/NDF:6814475528.4/5

+ sign 0.908+/-0.000 χ^2/NDF: 22834458934.1/23

All: 0.937+/-0.000 χ^2/NDF: 48296542845.1/4

- sign 0.967+/-0.000 χ^2/NDF: 25246698501.6/24

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:955500.7/7

Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

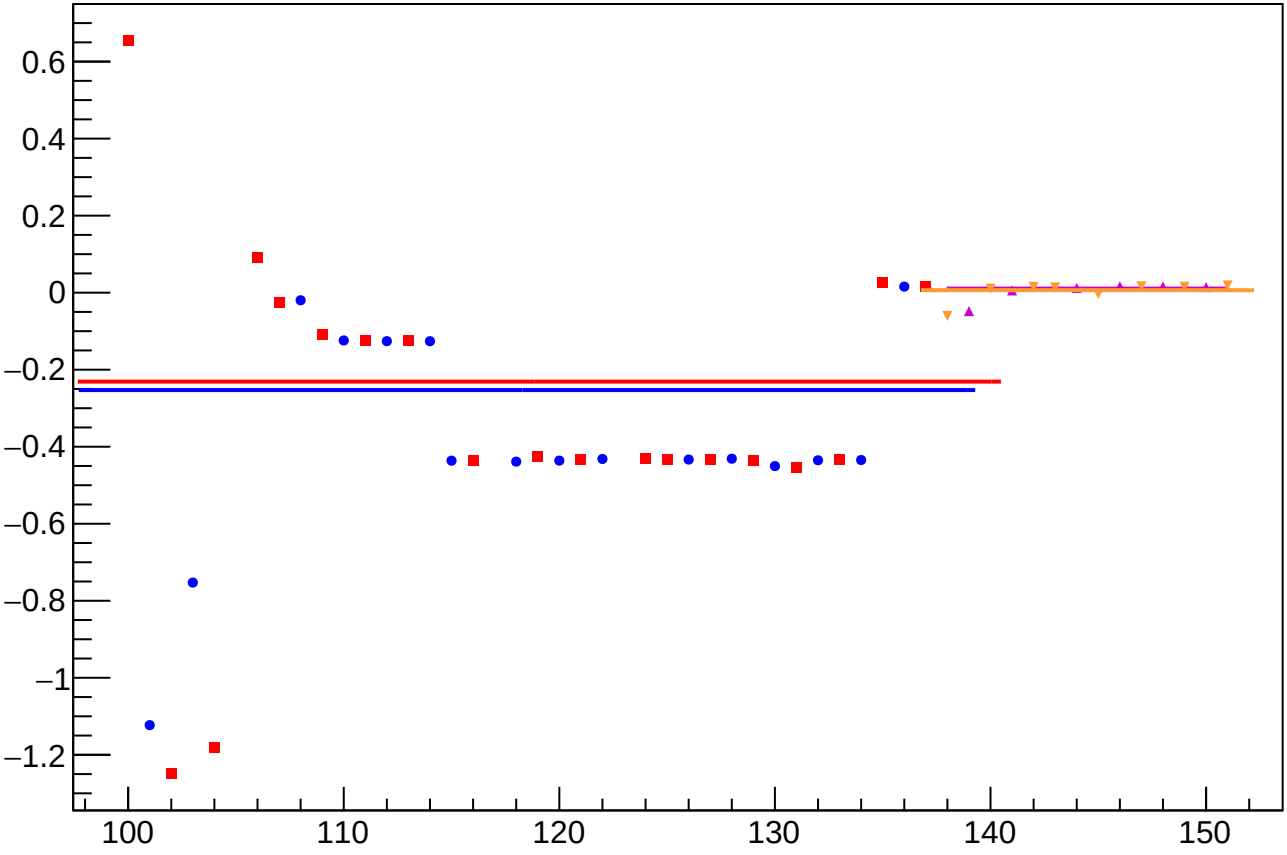
Left In: 0.009+/-0.000 χ^2/NDF:853254.0/5

+ sign 0.010+/-0.000 χ^2/NDF: 2435310.2/23

All: 0.010+/-0.000 χ^2/NDF: 4700713.1/48

- sign 0.010+/-0.000 χ^2/NDF: 2265188.7/24

yield_bpm16X_mean vs Slug



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:20018471.1/7

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

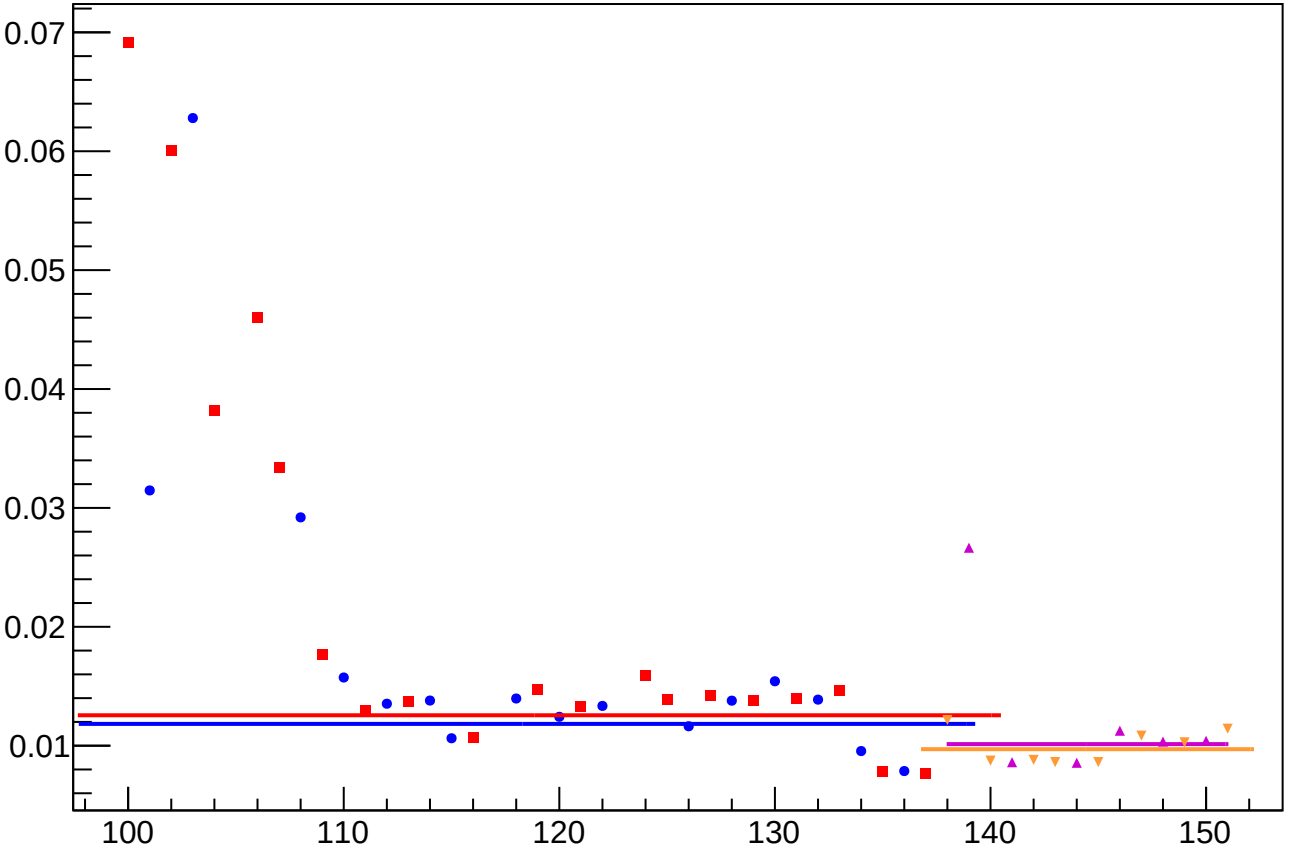
Left In: 0.011+/-0.000 χ^2/NDF:4728699.1/5

+ sign -0.099+/-0.000 χ^2/NDF: 3460411446.7/23

All: -0.098+/-0.000 χ^2/NDF: 6297946191.1/4

- sign -0.097+/-0.000 χ^2/NDF: 2837395663.4/24

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:159193.2/7

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

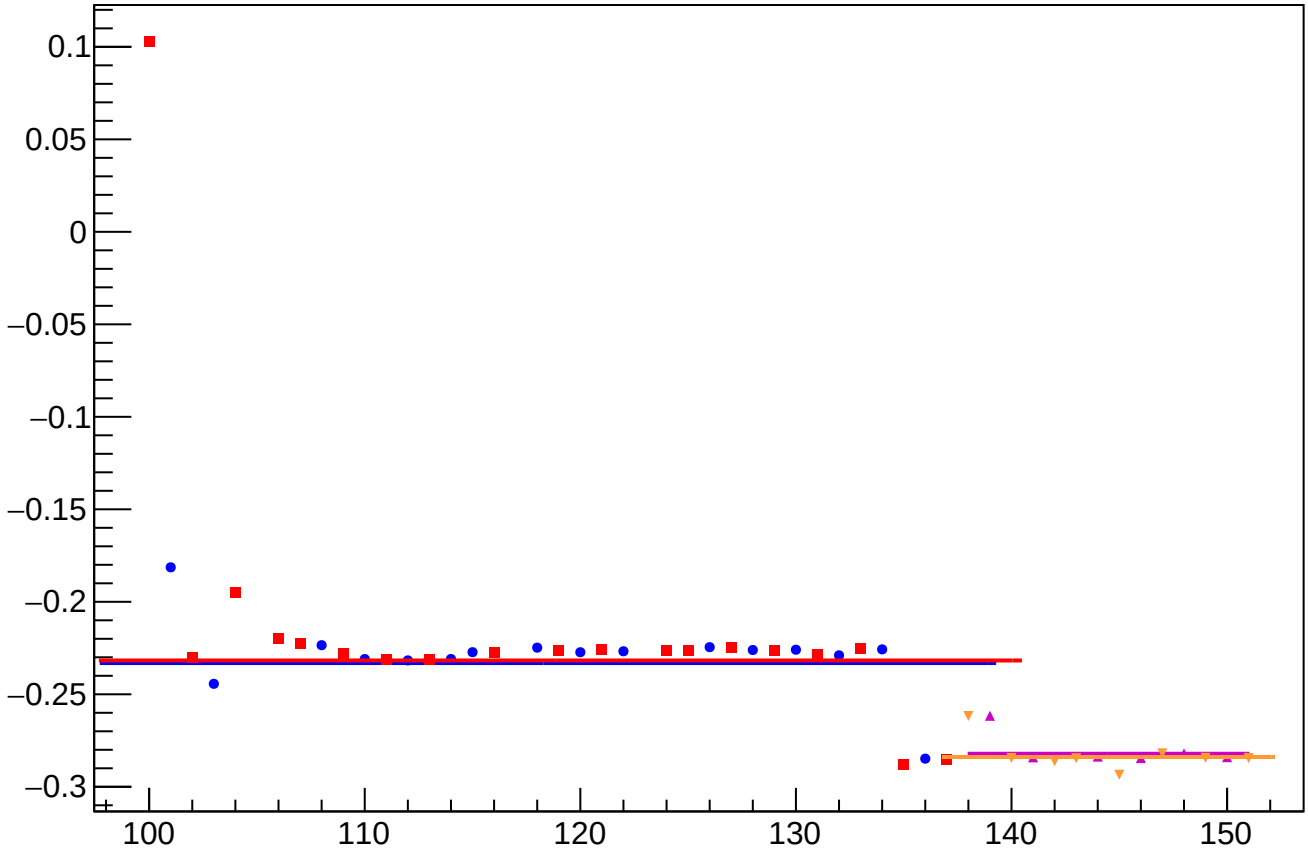
Left In: 0.010+/-0.000 χ^2/NDF:744889.0/5

+ sign 0.011+/-0.000 χ^2/NDF: 2292110.6/23

All: 0.011+/-0.000 χ^2/NDF: 5493480.8/48

- sign 0.011+/-0.000 χ^2/NDF: 3168865.7/24

yield_bpm16Y_mean vs Slug



Right In: -0.233+/-0.000 χ^2/NDF: 199059878.3/15

Left Out: -0.284+/-0.000 χ^2/NDF:14471835.9/7

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

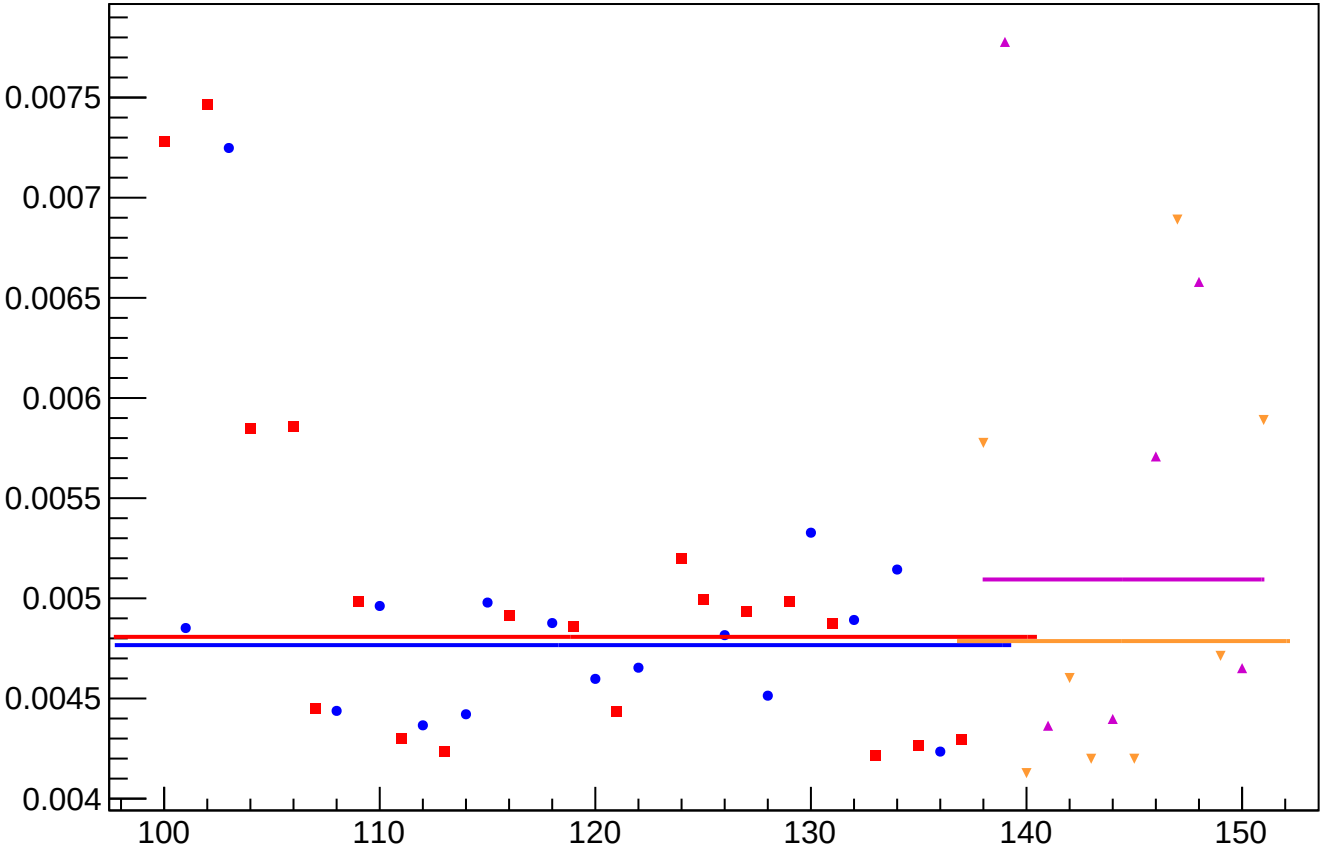
Left In: -0.282+/-0.000 χ^2/NDF:6112844.6/5

+ sign -0.257+/-0.000 χ^2/NDF: 551174331.4/23

All: -0.254+/-0.000 χ^2/NDF: 1135709024.0/4

- sign -0.251+/-0.000 χ^2/NDF: 577161571.7/24

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:346228.8/7

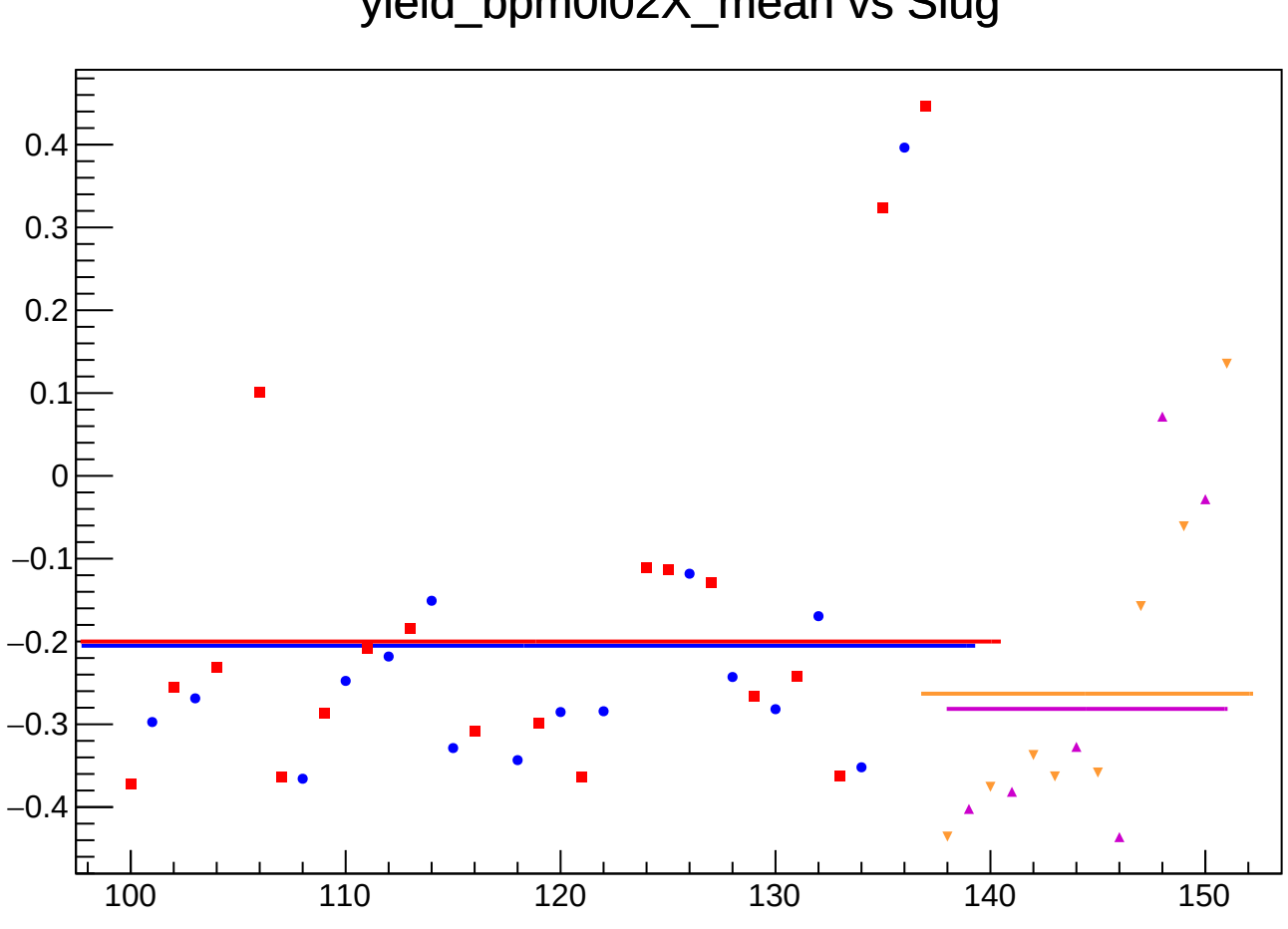
Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

Left In: 0.005+/-0.000 χ^2/NDF:392667.3/5

+ sign 0.005+/-0.000 χ^2/NDF: 538095.1/23

All: 0.005+/-0.000 χ^2/NDF: 1252855.1/48

- sign 0.005+/-0.000 χ^2/NDF: 704714.1/24



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.263+/-0.000 χ^2/NDF:6565107567.8/7

Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

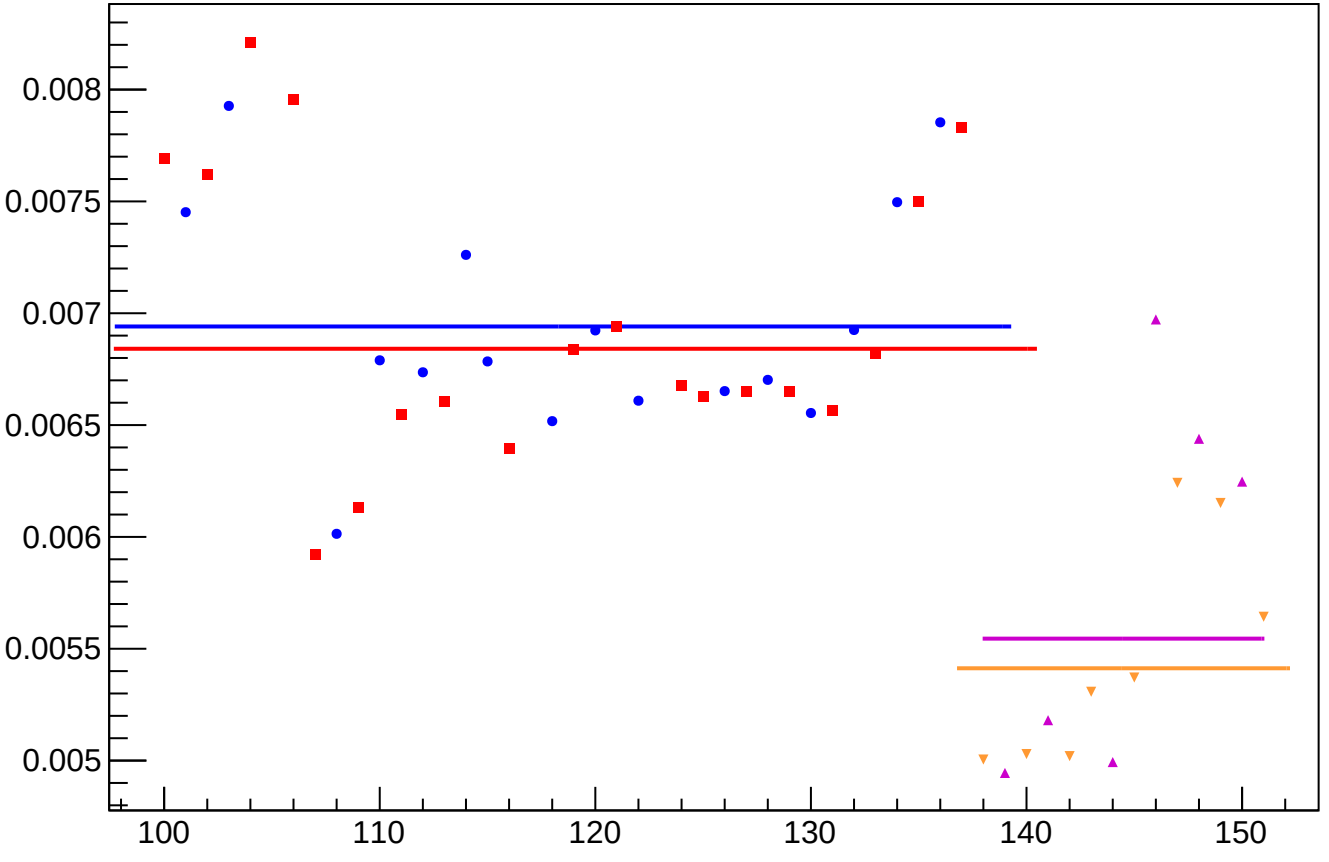
Left In: -0.281+/-0.000 χ^2/NDF:4640753168.9/5

+ sign -0.238+/-0.000 χ^2/NDF: 13032861914.5/23

All: -0.239+/-0.000 χ^2/NDF: 23430277780.4/

- sign -0.240+/-0.000 χ^2/NDF: 10396535508.2/24

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 85159.0/15

Left Out: 0.005+/-0.000 χ^2/NDF:74463.7/7

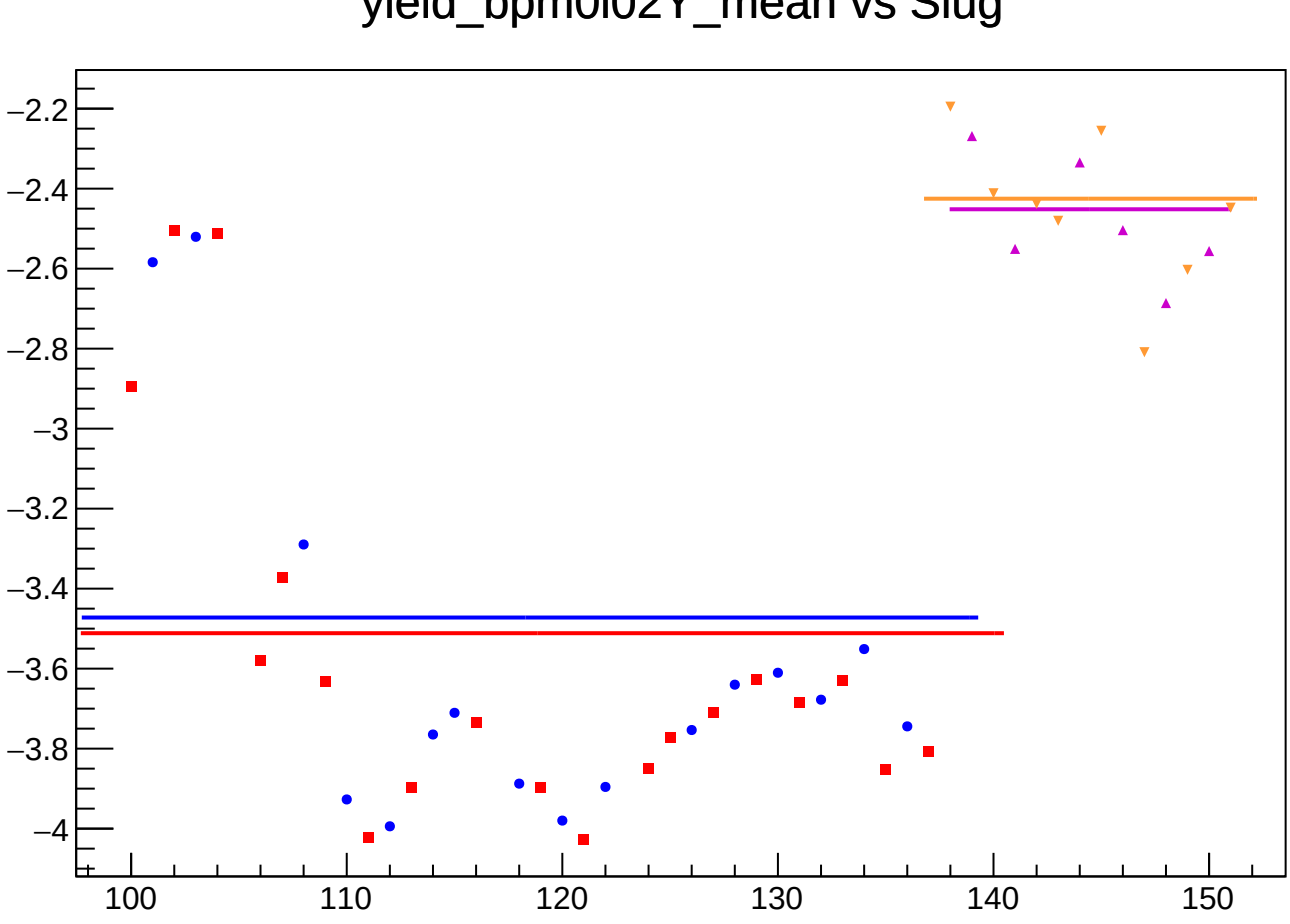
Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.006+/-0.000 χ^2/NDF:160903.4/5

+ sign 0.006+/-0.000 χ^2/NDF: 547168.5/23

All: 0.006+/-0.000 χ^2/NDF: 1069669.1/48

- sign 0.006+/-0.000 χ^2/NDF: 517373.6/24



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.425+/-0.000 χ^2/NDF:1364391617.3/7

Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

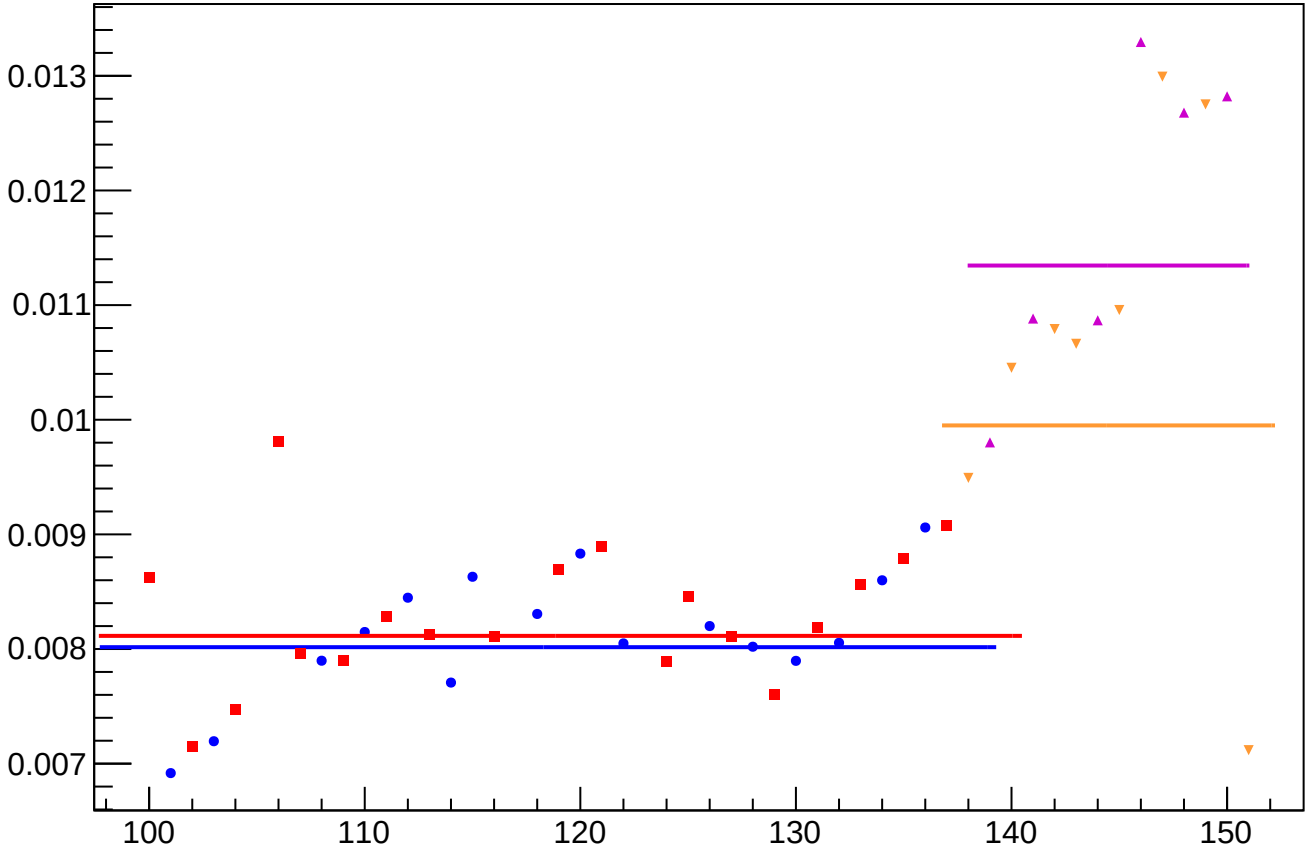
Left In: -2.452+/-0.000 χ^2/NDF:767816914.9/5

+ sign -3.123+/-0.000 χ^2/NDF: 70744031263.3/23

All: -3.180+/-0.000 χ^2/NDF: 132940057323.1

- sign -3.244+/-0.000 χ^2/NDF: 61063250641.7/24

yield_bpm0i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 86232.2/15

Left Out: 0.010+/-0.000 χ^2/NDF:389693.3/7

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

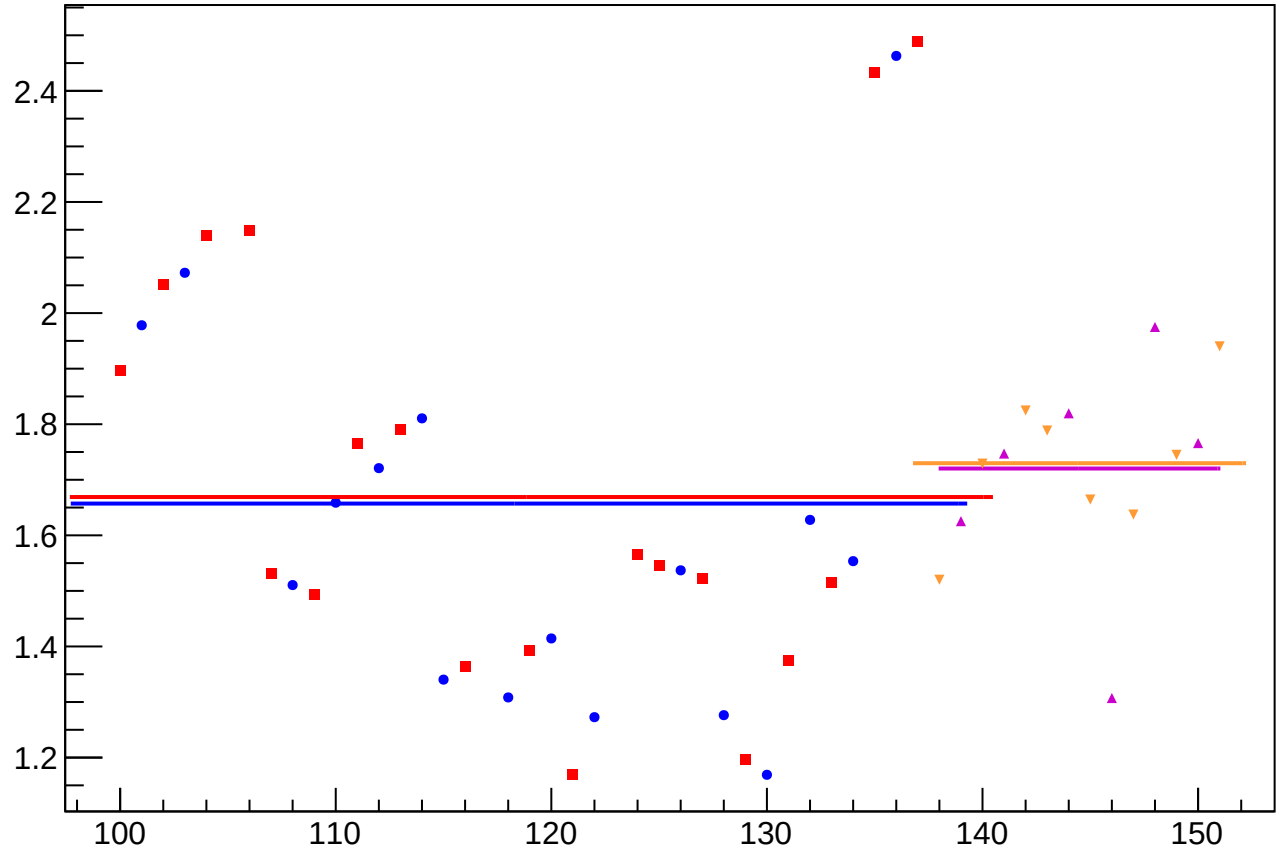
Left In: 0.011+/-0.000 χ^2/NDF:113647.8/5

+ sign 0.009+/-0.000 χ^2/NDF: 747512.7/23

All: 0.009+/-0.000 χ^2/NDF: 1511395.4/48

- sign 0.009+/-0.000 χ^2/NDF: 752958.0/24

yield_bpm0i02aX_mean vs Slug



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.730+/-0.000 χ^2/NDF:693422507.0/7

Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

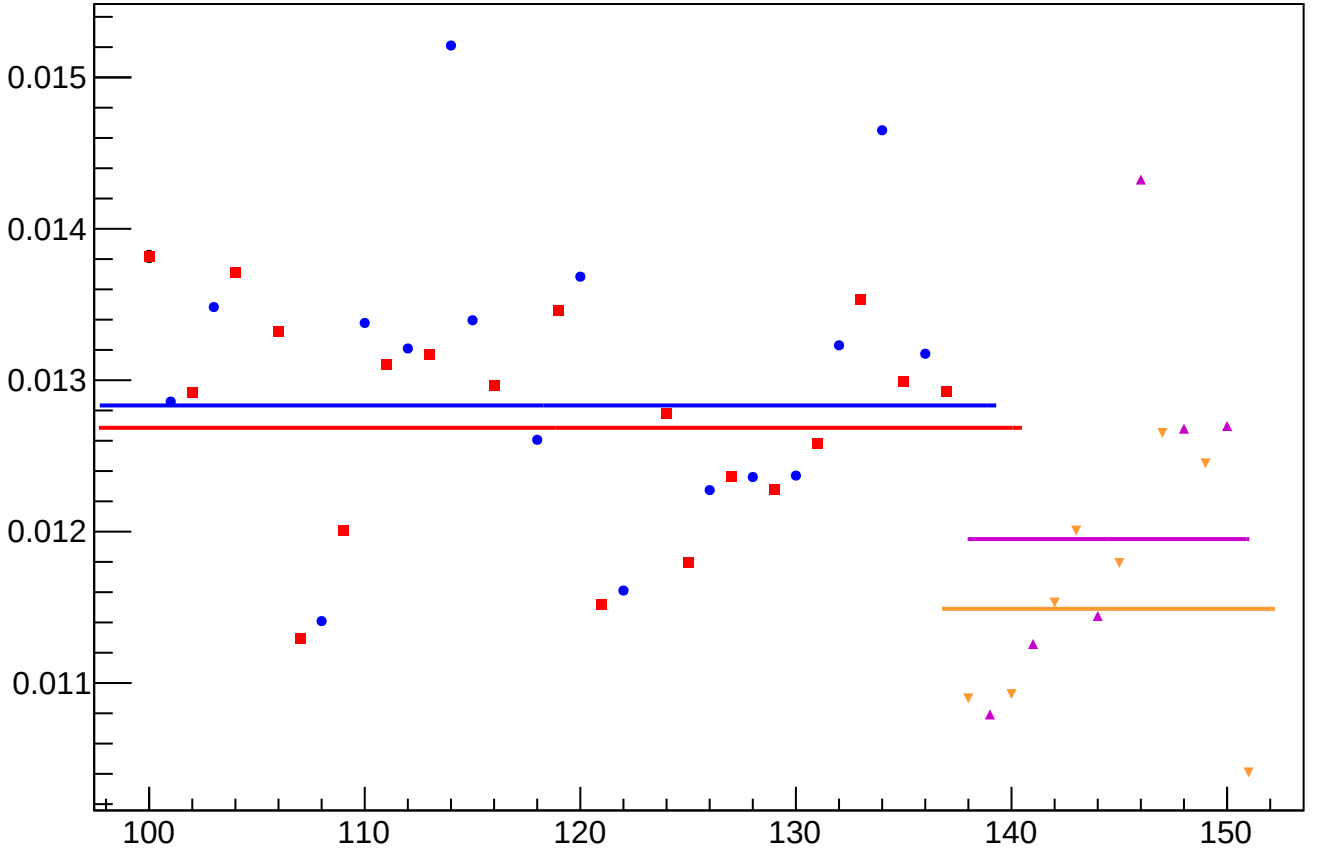
Left In: 1.720+/-0.000 χ^2/NDF:1093452032.2/5

+ sign 1.694+/-0.000 χ^2/NDF: 7473686166.4/23

All: 1.693+/-0.000 χ^2/NDF: 14976084810.3/4

- sign 1.691+/-0.000 χ^2/NDF: 7502041224.3/24

yield_bpm0i02aX_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 52516.5/15

Left Out: 0.011+/-0.000 χ^2/NDF:50826.3/7

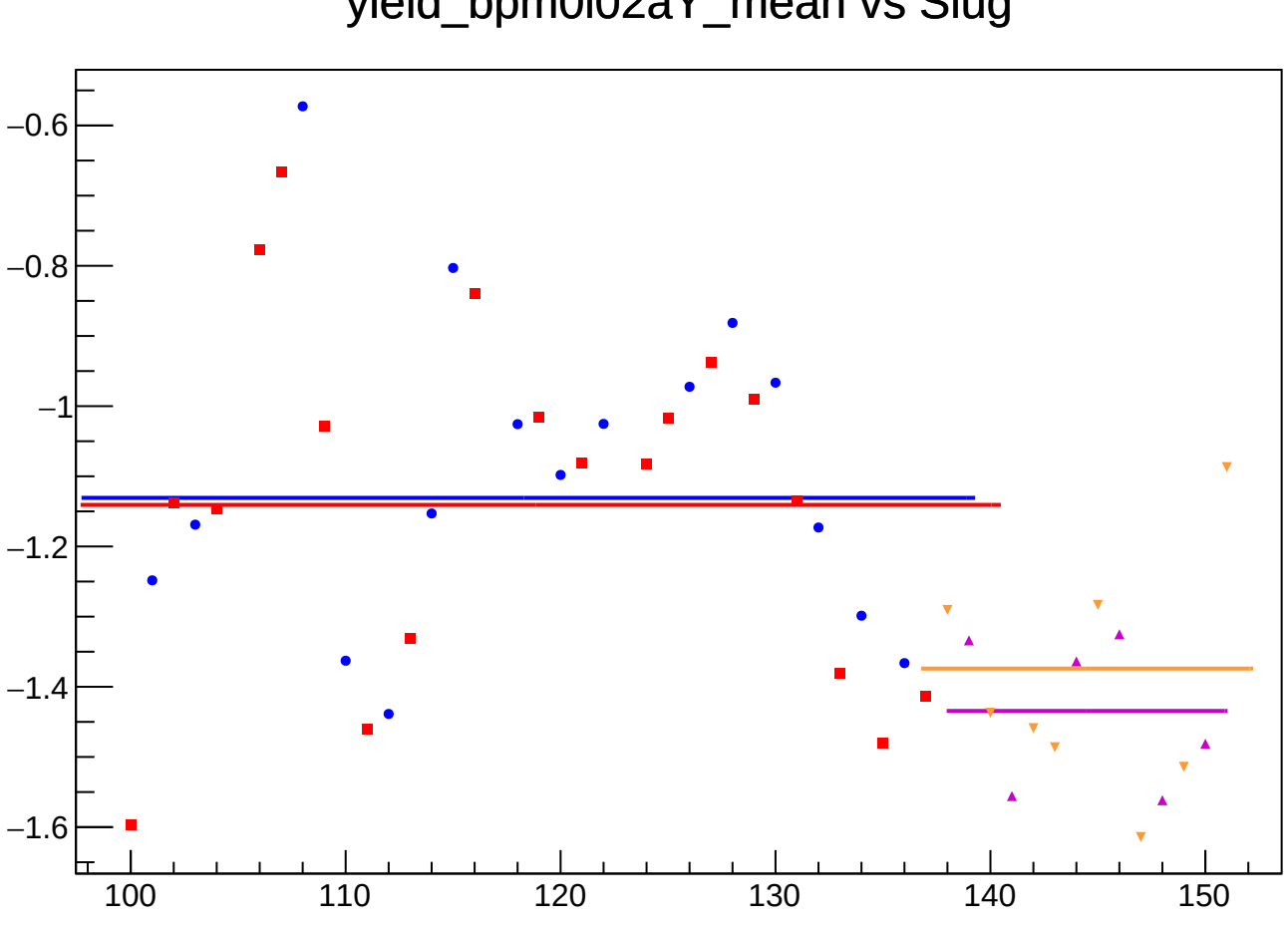
Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.012+/-0.000 χ^2/NDF:82692.3/5

+ sign 0.012+/-0.000 χ^2/NDF: 181405.5/23

All: 0.012+/-0.000 χ^2/NDF: 332181.9/48

- sign 0.012+/-0.000 χ^2/NDF: 146897.1/24



Right In: -1.131+/-0.000 χ^2/NDF: 3790121991.7/15

Left Out: -1.374+/-0.000 χ^2/NDF:1682864345.4/7

Right Out: -1.141+/-0.000 χ^2/NDF: 3544012262.4/18

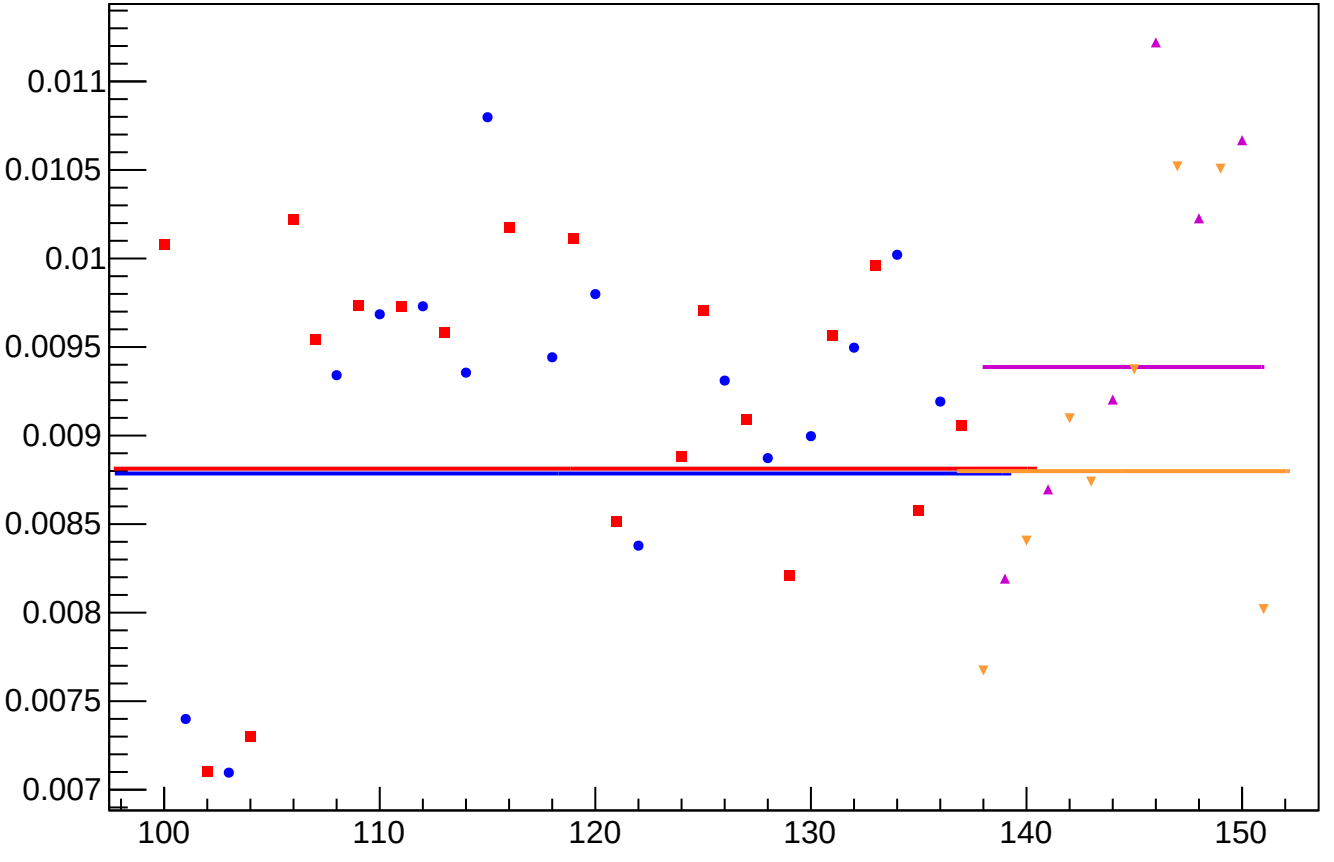
Left In: -1.434+/-0.000 χ^2/NDF:531763303.4/5

+ sign -1.238+/-0.000 χ^2/NDF: 7798289281.4/23

All: -1.244+/-0.000 χ^2/NDF: 14745969296.3/

- sign -1.250+/-0.000 χ^2/NDF: 6937865563.3/24

yield_bpm0i02aY_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 173477.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:127968.8/7

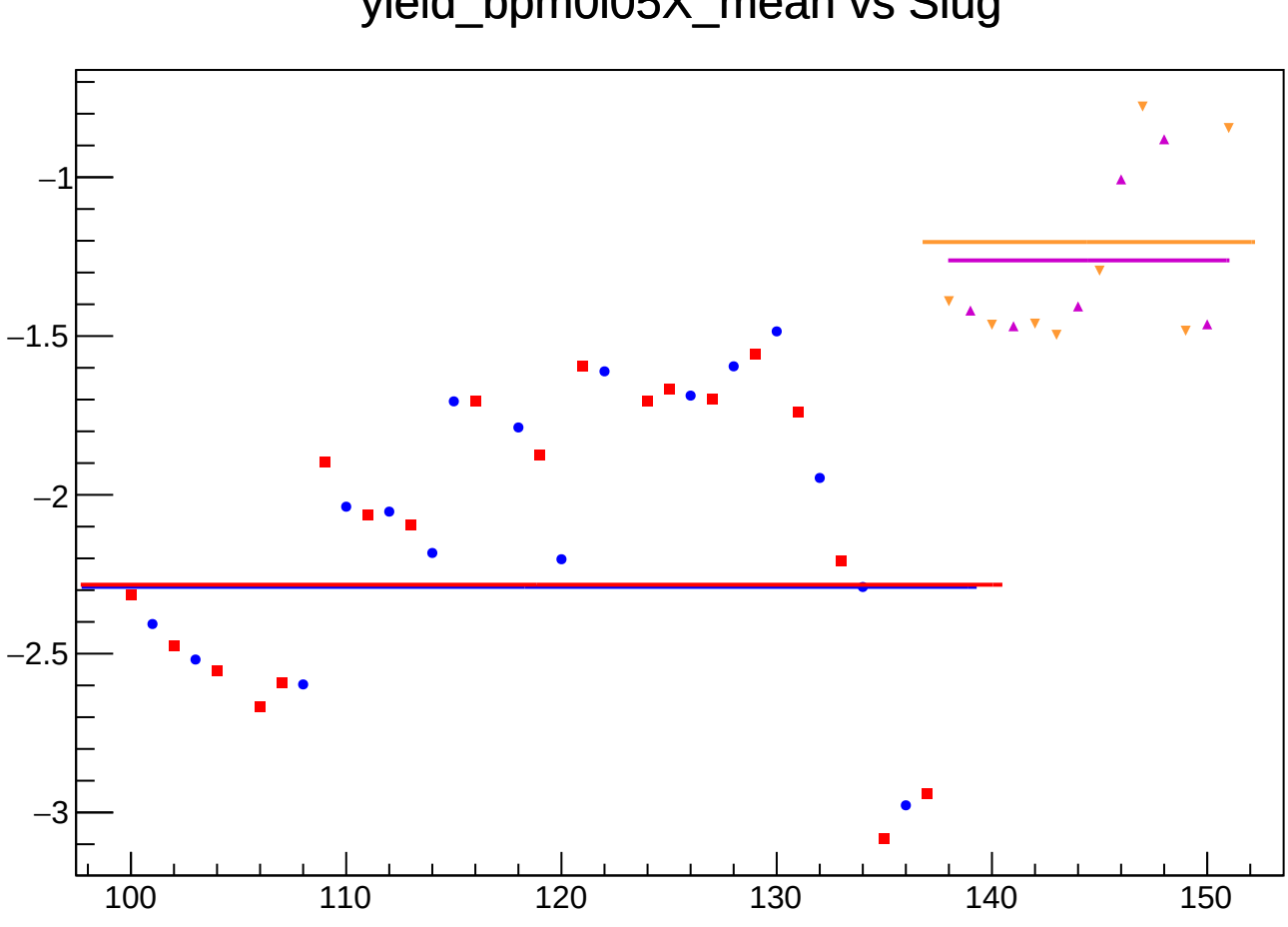
Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.009+/-0.000 χ^2/NDF:115563.8/5

+ sign 0.009+/-0.000 χ^2/NDF: 301460.1/23

All: 0.009+/-0.000 χ^2/NDF: 651603.4/48

- sign 0.009+/-0.000 χ^2/NDF: 341873.7/24



Right In: -2.290+/-0.000 χ^2/NDF: 15222817978.4/15

Left Out: -1.204+/-0.000 χ^2/NDF:7801520275.0/7

Right Out: -2.283+/-0.000 χ^2/NDF: 17032219519.1/18

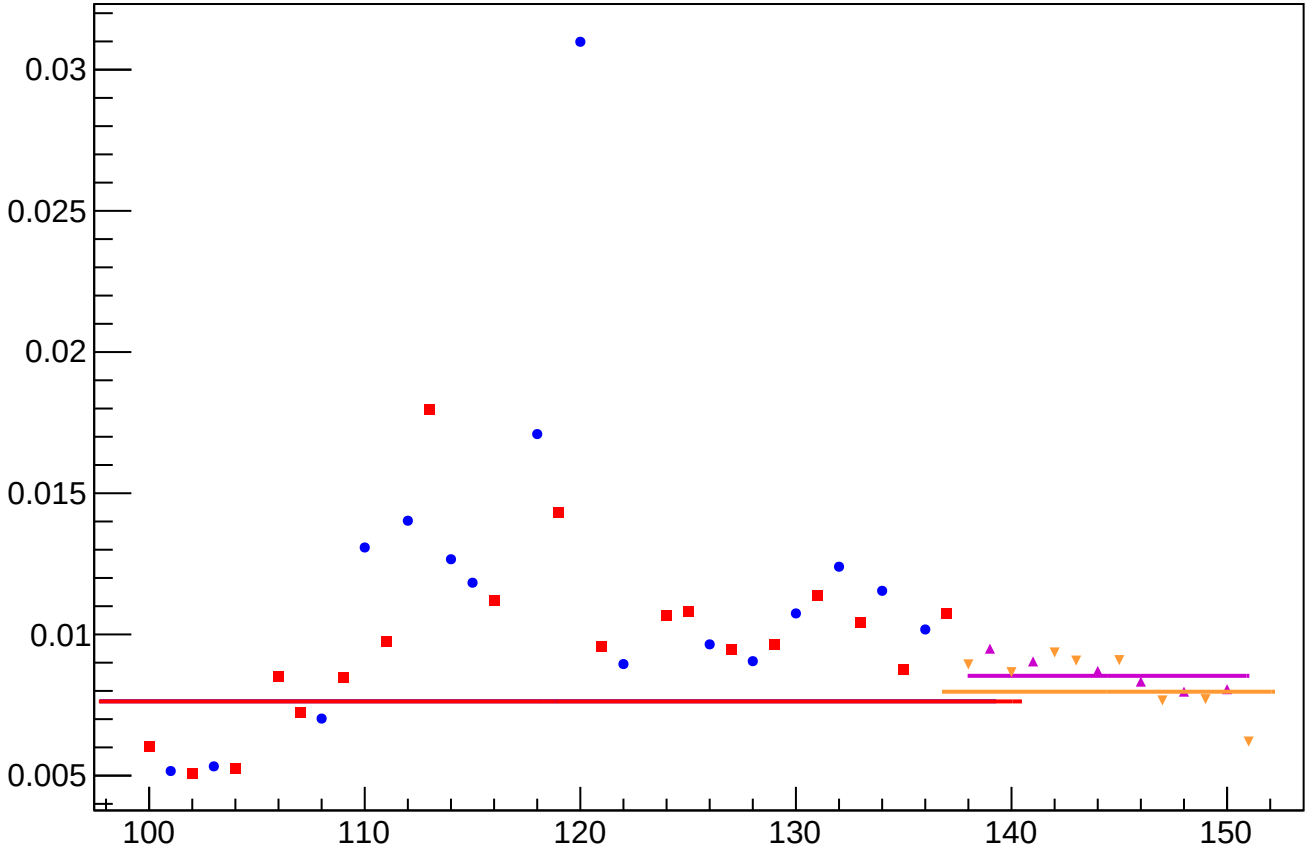
Left In: -1.262+/-0.000 χ^2/NDF:3847798512.0/5

+ sign -1.757+/-0.000 χ^2/NDF: 73526470615.2/23

All: -1.811+/-0.000 χ^2/NDF: 135704287162.9

- sign -1.869+/-0.000 χ^2/NDF: 61124945067.0/24

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:205693.1/7

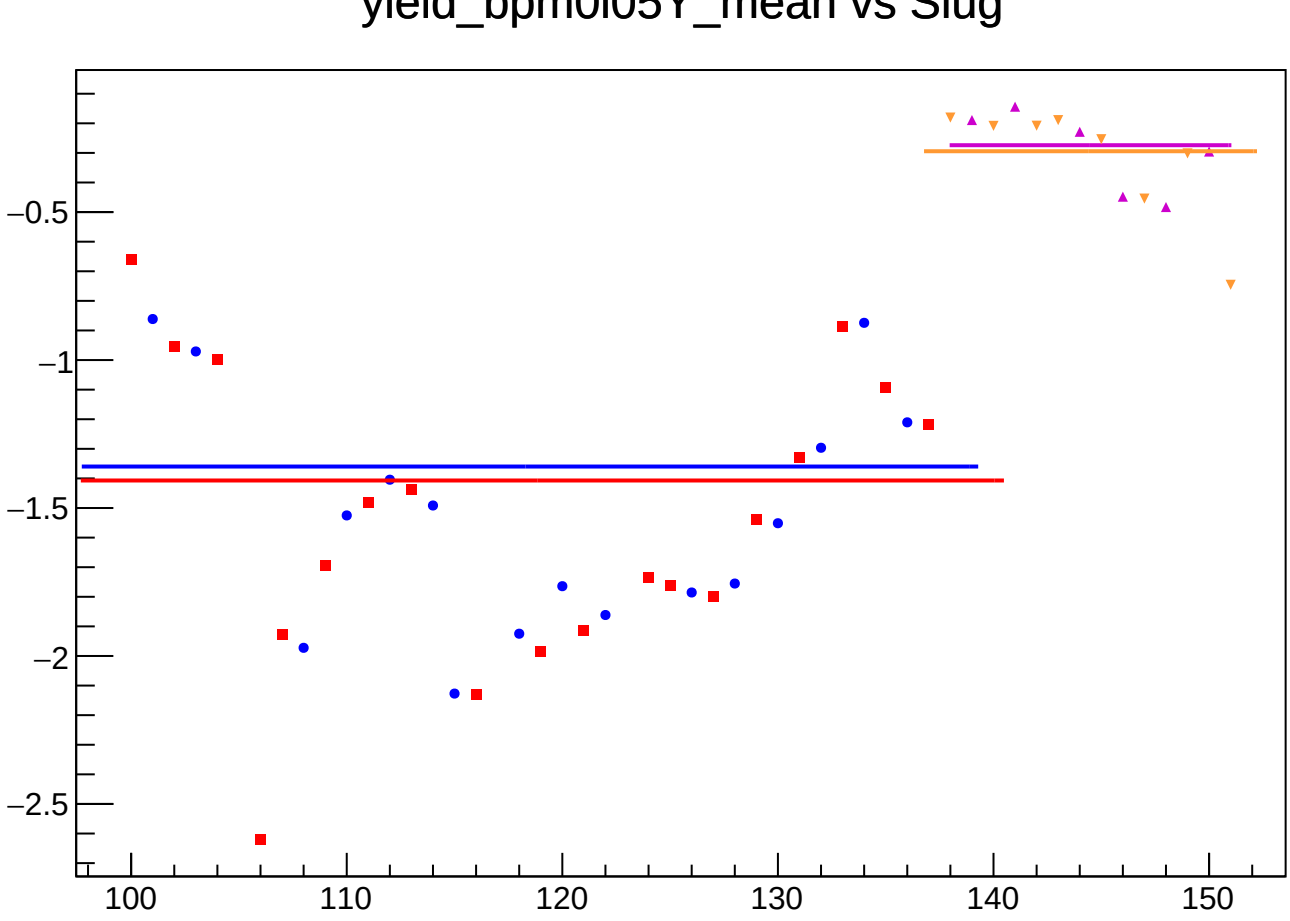
Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.009+/-0.000 χ^2/NDF:35181.1/5

+ sign 0.008+/-0.000 χ^2/NDF: 1926342.7/23

All: 0.008+/-0.000 χ^2/NDF: 3349036.9/48

- sign 0.008+/-0.000 χ^2/NDF: 1416366.5/24



Right In: -1.360+/-0.000 χ^2/NDF: 21491965614.5/15

Left Out: -0.294+/-0.000 χ^2/NDF:7212936922.3/7

Right Out: -1.407+/-0.000 χ^2/NDF: 29835610413.0/18

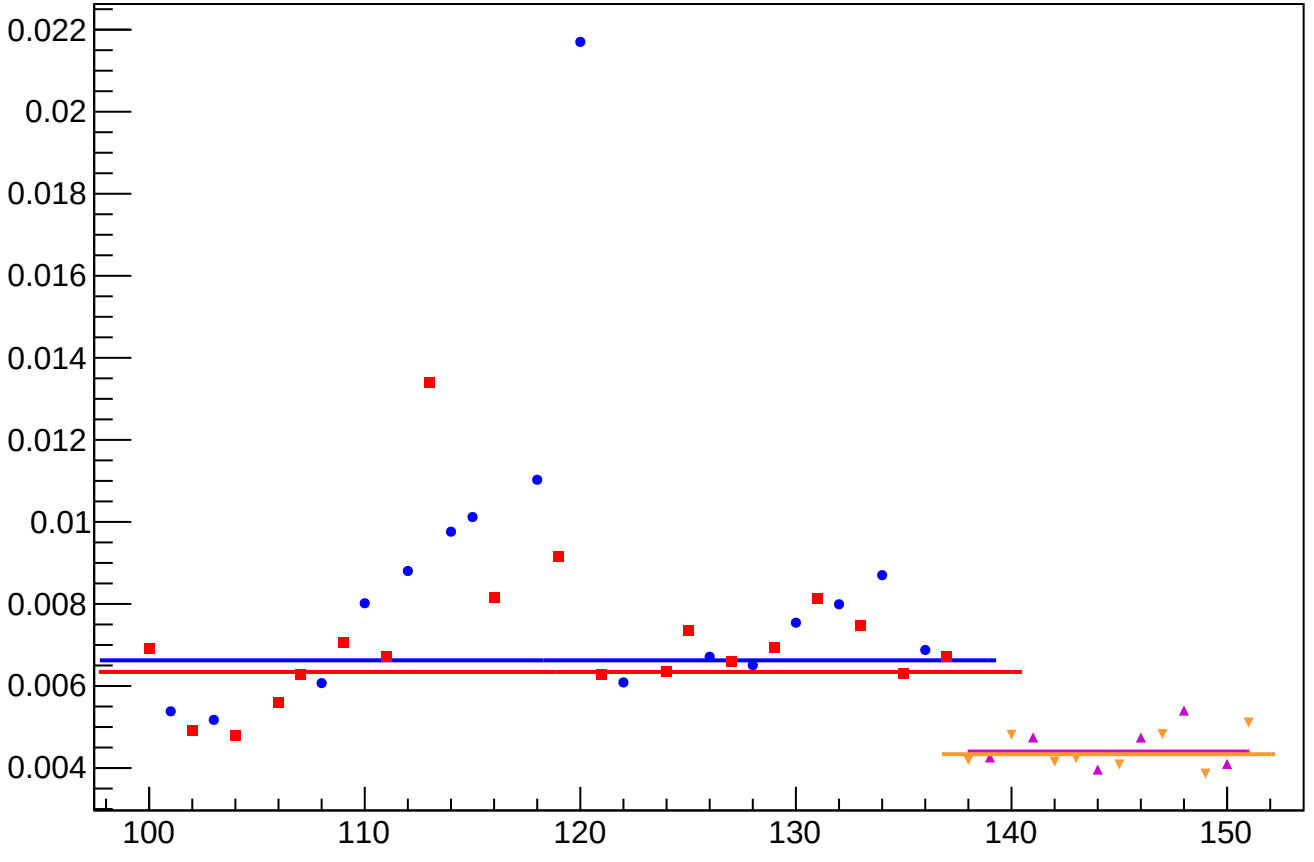
Left In: -0.274+/-0.000 χ^2/NDF:2921164582.7/5

+ sign -0.633+/-0.000 χ^2/NDF: 130827831271.9/23

All: -0.676+/-0.000 χ^2/NDF: 283270217462.0

- sign -0.721+/-0.000 χ^2/NDF: 150888766152.0/24

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:88390.9/7

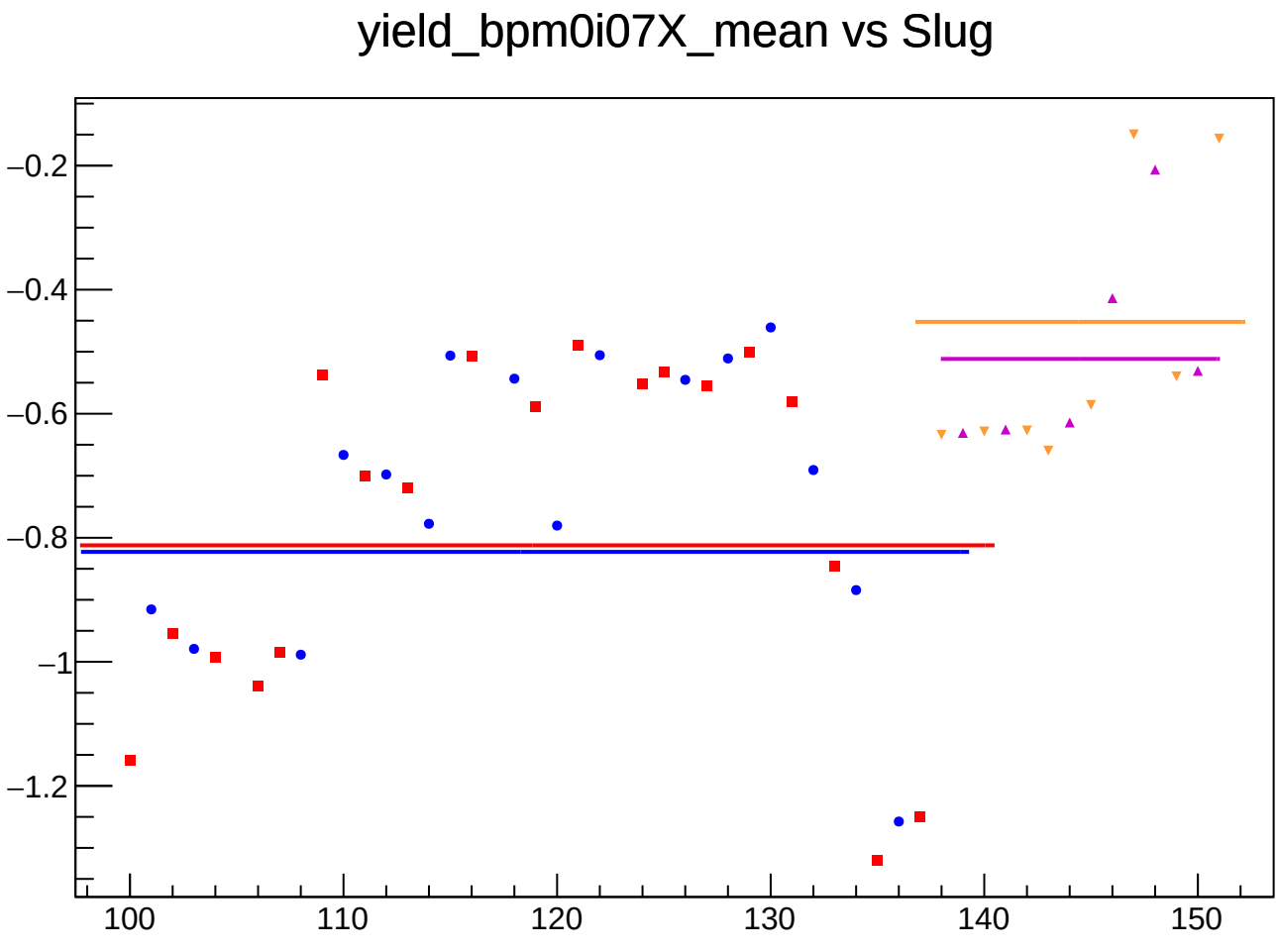
Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.004+/-0.000 χ^2/NDF:88300.5/5

+ sign 0.005+/-0.000 χ^2/NDF: 1723744.9/23

All: 0.005+/-0.000 χ^2/NDF: 3039595.0/48

- sign 0.005+/-0.000 χ^2/NDF: 1311561.0/24



Right In: -0.823+/-0.000 χ^2/NDF: 12226599844.5/15

Left Out: -0.452+/-0.000 χ^2/NDF:7966998898.6/7

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

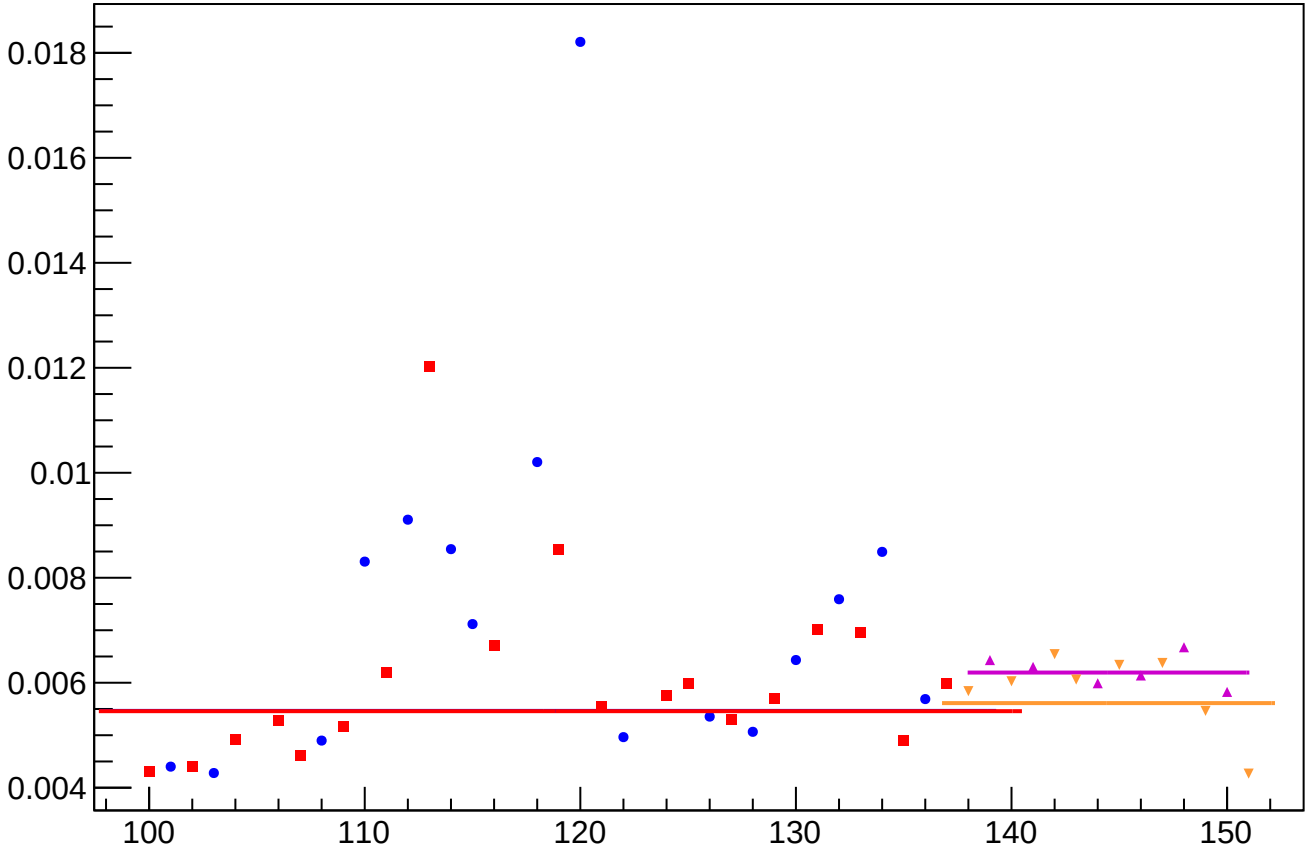
Left In: -0.512+/-0.000 χ^2/NDF:2539421124.0/5

+ sign -0.646+/-0.000 χ^2/NDF: 32275451219.7/23

All: -0.671+/-0.000 χ^2/NDF: 56974716817.2/

- sign -0.699+/-0.000 χ^2/NDF: 24233832134.7/24

yield_bpm0i07X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 961483.6/15

Left Out: 0.006+/-0.000 χ^2/NDF:215842.0/7

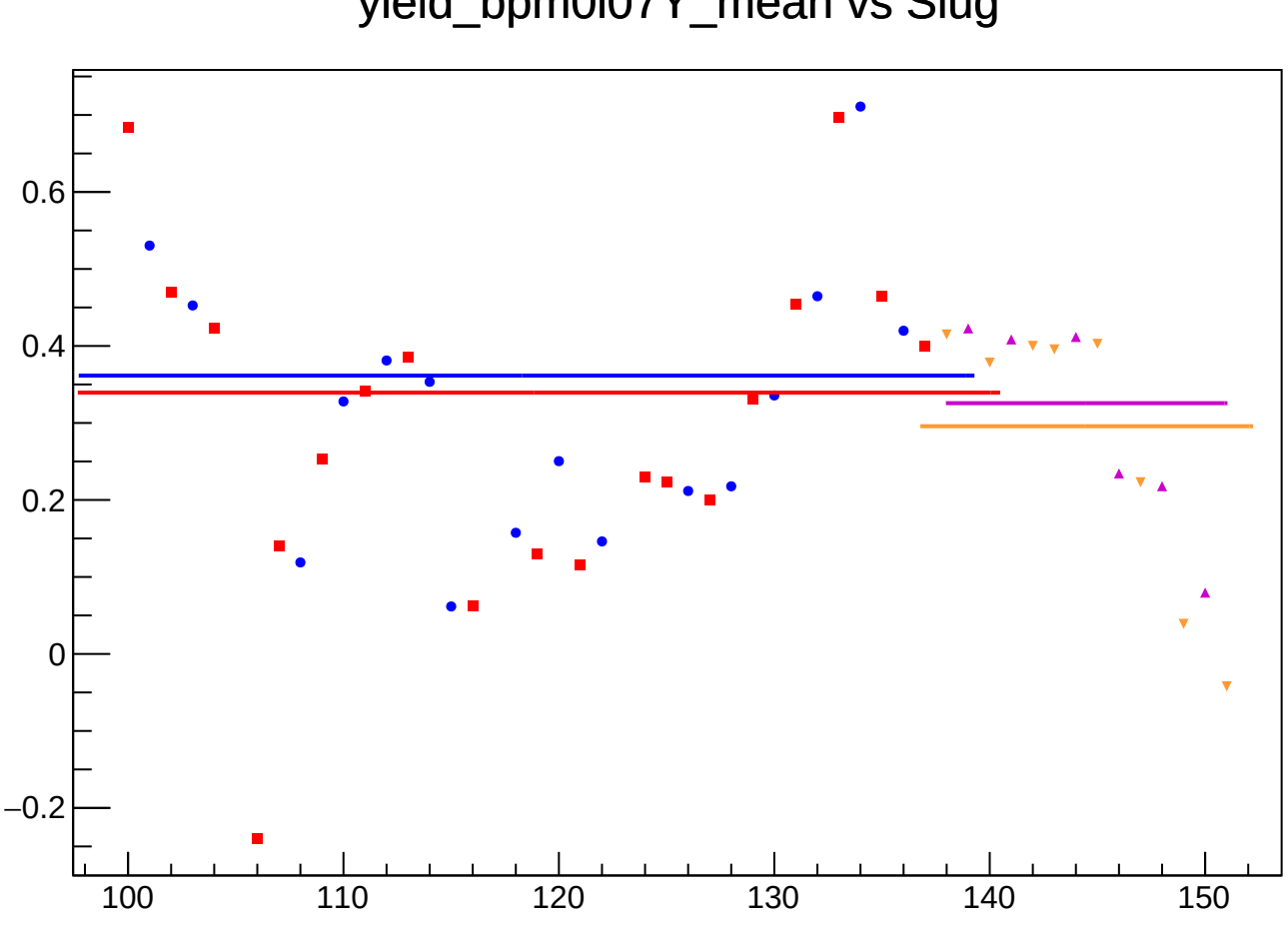
Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.006+/-0.000 χ^2/NDF:18913.3/5

+ sign 0.006+/-0.000 χ^2/NDF: 1181209.8/23

All: 0.006+/-0.000 χ^2/NDF: 1803947.9/48

- sign 0.006+/-0.000 χ^2/NDF: 609008.7/24



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.296+/-0.000 χ^2/NDF:7674415138.2/7

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

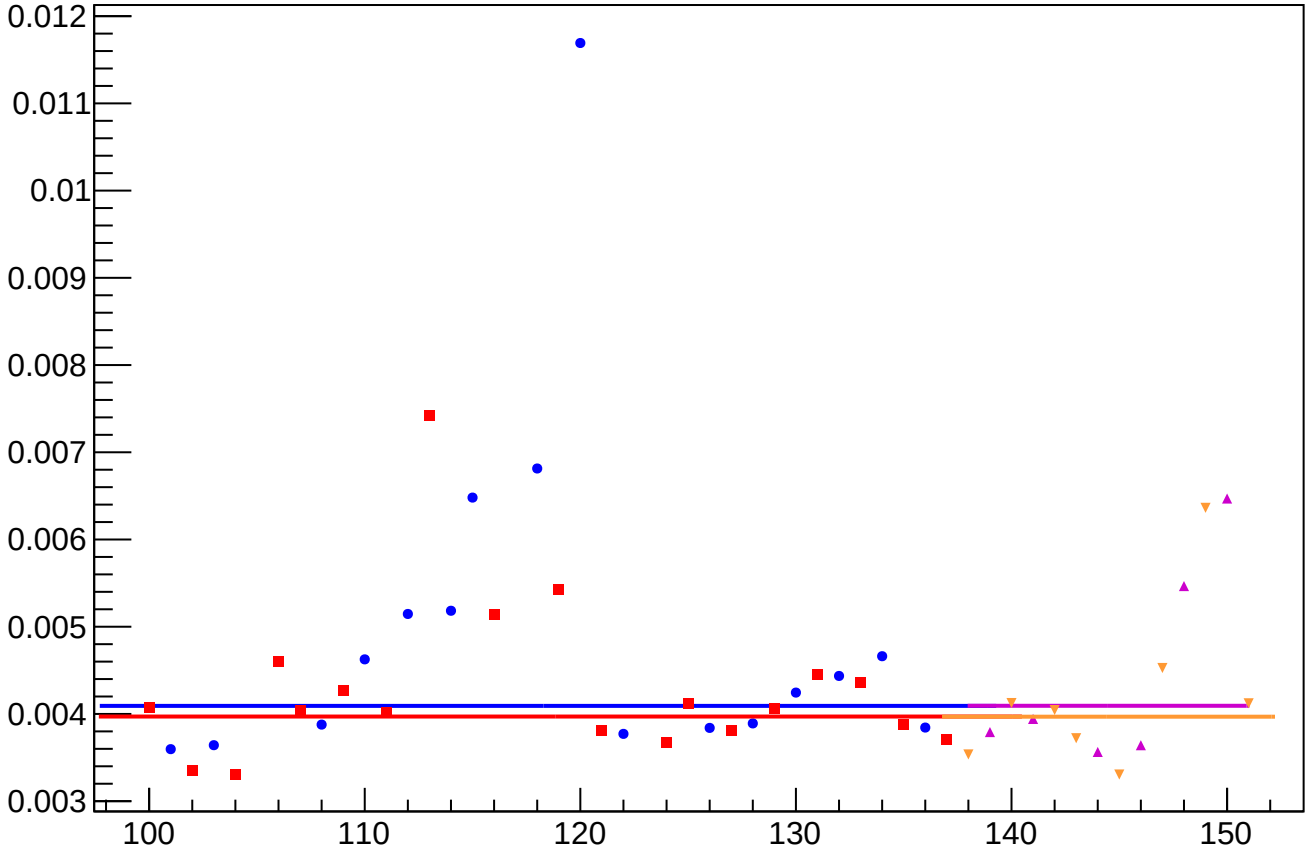
Left In: 0.326+/-0.000 χ^2/NDF:2673351380.7/5

+ sign 0.334+/-0.000 χ^2/NDF: 17120343034.9/23

All: 0.334+/-0.000 χ^2/NDF: 31892339092.1/4

- sign 0.335+/-0.000 χ^2/NDF: 14771672422.9/24

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:273626.9/7

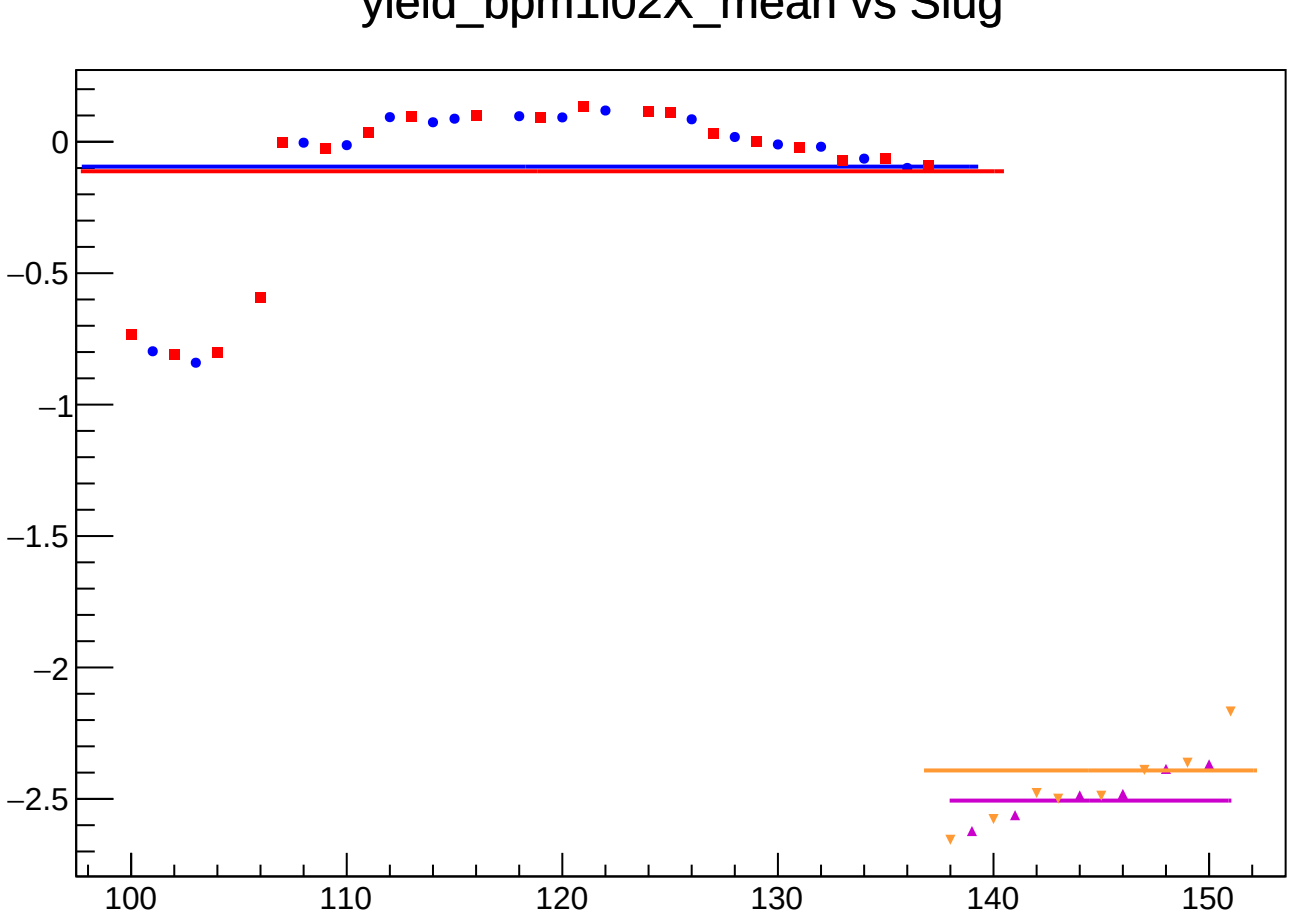
Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.004+/-0.000 χ^2/NDF:325089.8/5

+ sign 0.004+/-0.000 χ^2/NDF: 770129.1/23

All: 0.004+/-0.000 χ^2/NDF: 1413638.8/48

- sign 0.004+/-0.000 χ^2/NDF: 643044.0/24



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.392+/-0.000 χ^2/NDF:1200565053.1/7

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

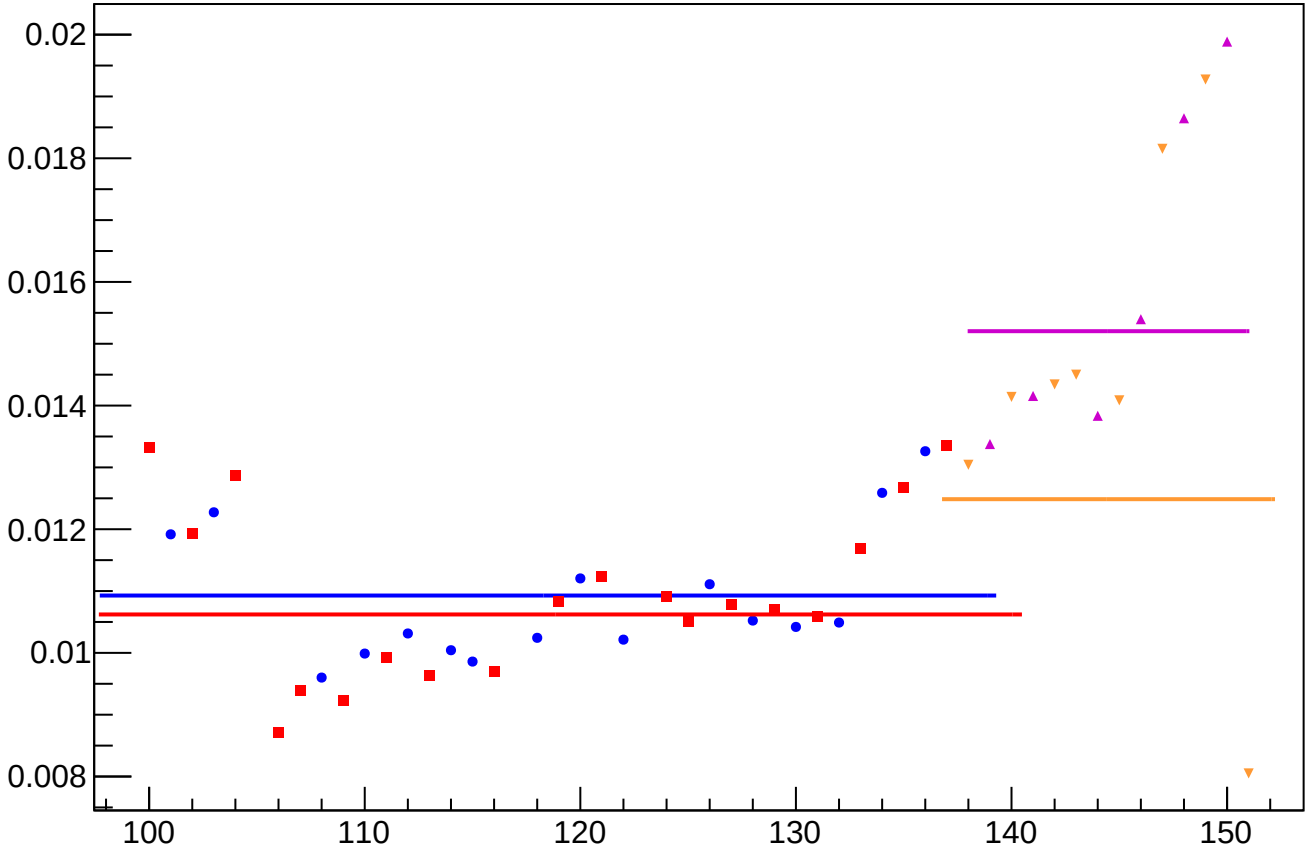
Left In: -2.506+/-0.000 χ^2/NDF:158902530.6/5

+ sign -0.963+/-0.000 χ^2/NDF: 125693266787.8/23

All: -0.847+/-0.000 χ^2/NDF: 229698390430.3

- sign -0.719+/-0.000 χ^2/NDF: 101278408217.3/24

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 136478.1/15

Left Out: 0.012+/-0.000 χ^2/NDF:963303.7/7

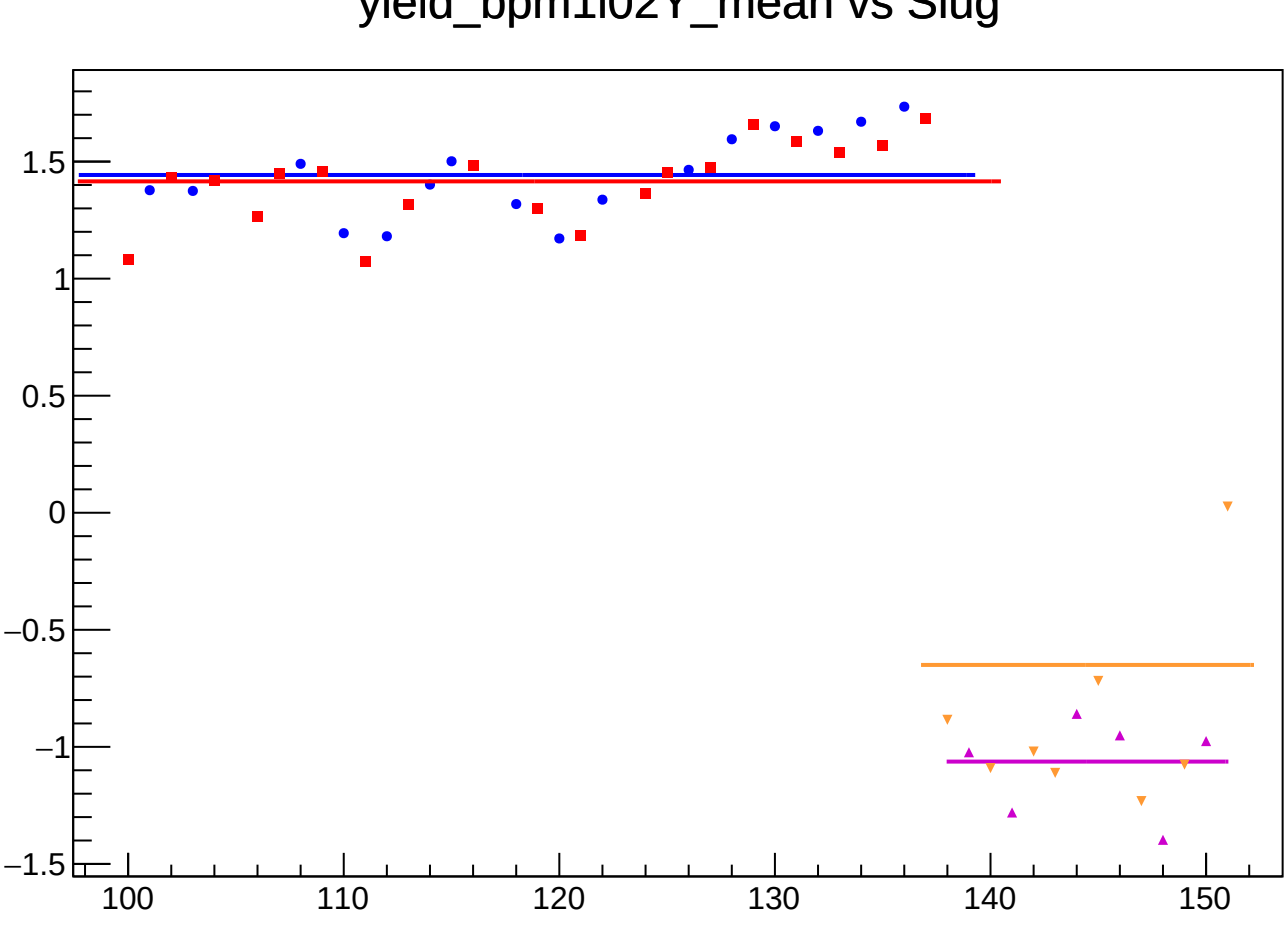
Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

Left In: 0.015+/-0.000 χ^2/NDF:214835.3/5

+ sign 0.012+/-0.000 χ^2/NDF: 1209333.4/23

All: 0.012+/-0.000 χ^2/NDF: 2316550.3/48

- sign 0.012+/-0.000 χ^2/NDF: 1100742.3/24



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -0.650+/-0.000 χ^2/NDF:17667374659.9/7

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

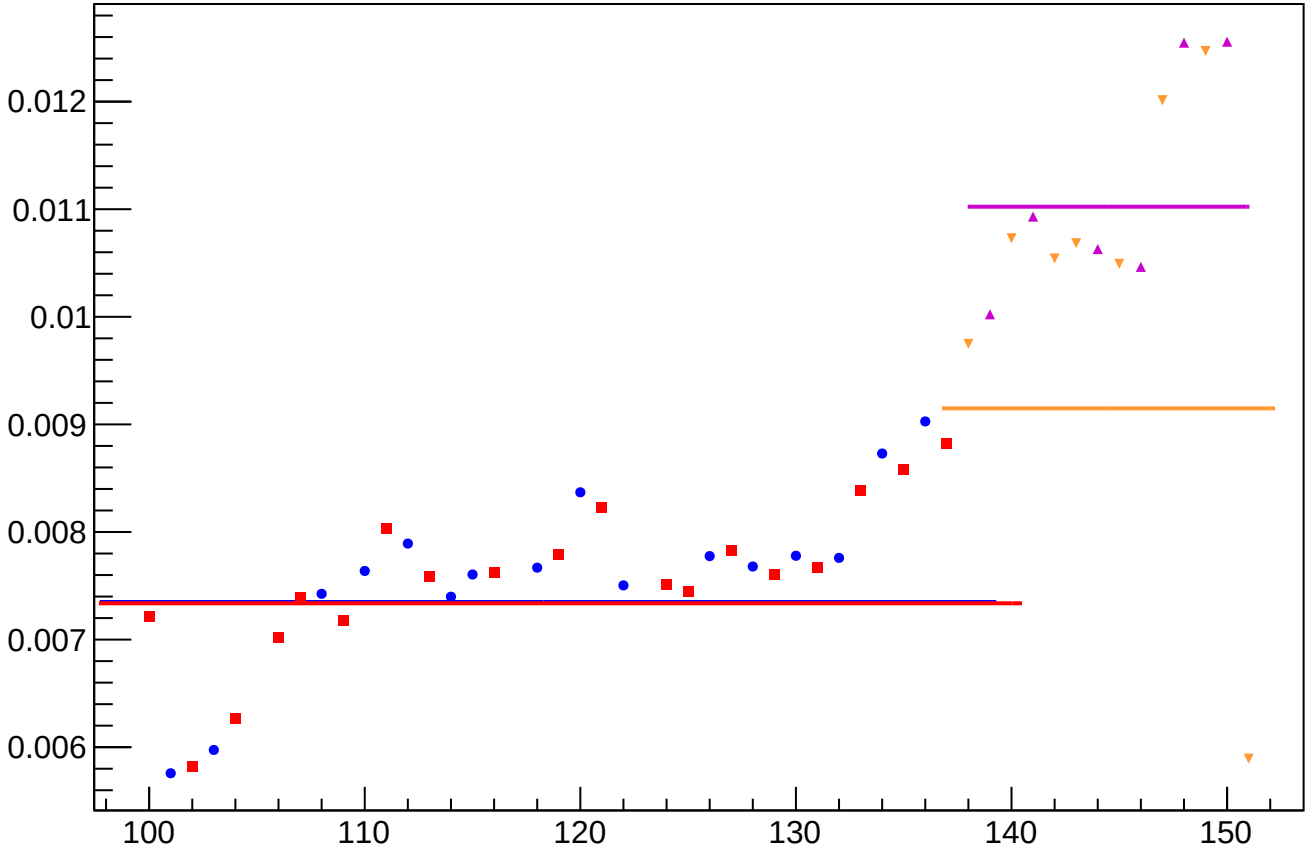
Left In: -1.063+/-0.000 χ^2/NDF:1428201878.7/5

+ sign 0.723+/-0.000 χ^2/NDF: 218449783503.3/23

All: 0.771+/-0.000 χ^2/NDF: 424112988530.2

- sign 0.825+/-0.000 χ^2/NDF: 204684801970.7/24

yield_bpm1i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 270864.2/15

Left Out: 0.009+/-0.000 χ^2/NDF:830572.3/7

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

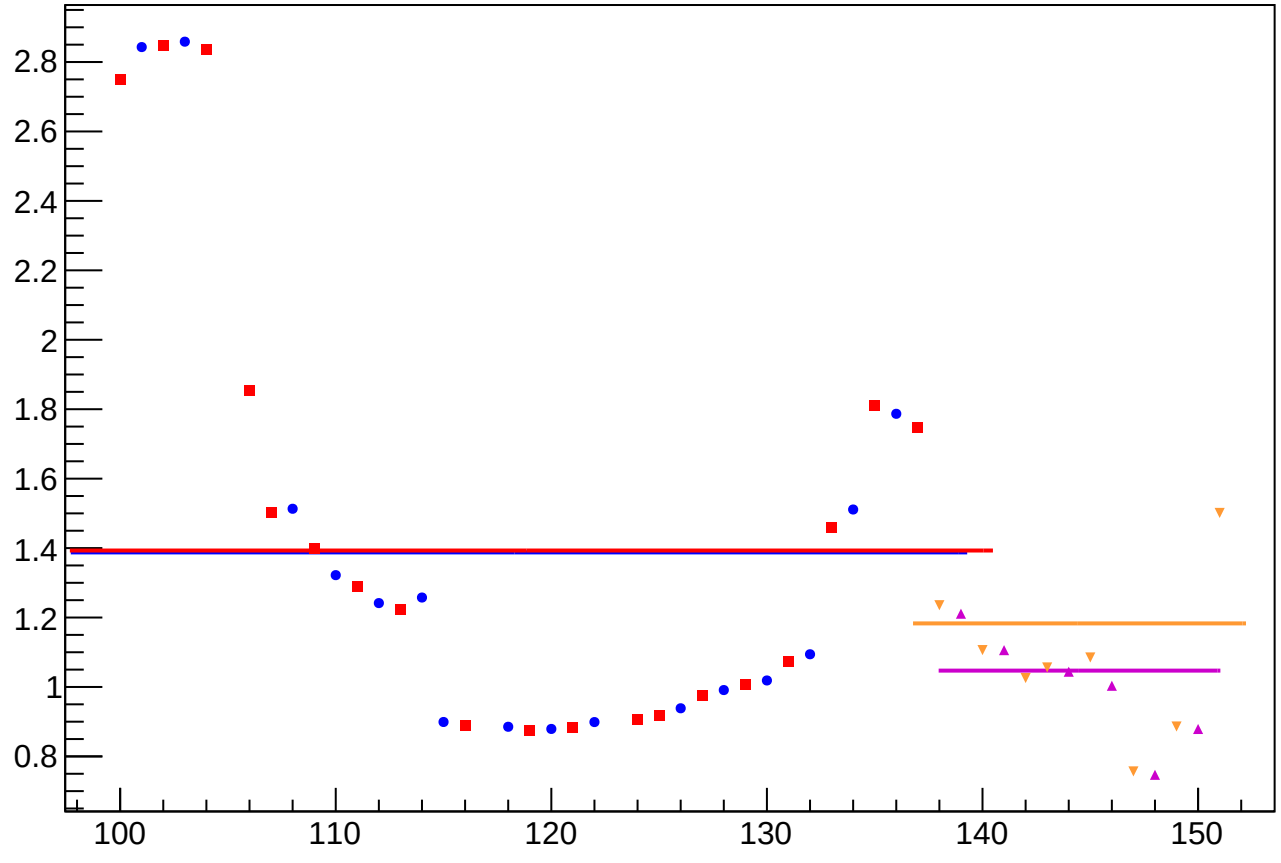
Left In: 0.011+/-0.000 χ^2/NDF:75797.7/5

+ sign 0.008+/-0.000 χ^2/NDF: 1392837.7/23

All: 0.008+/-0.000 χ^2/NDF: 2562339.8/48

- sign 0.008+/-0.000 χ^2/NDF: 1157896.3/24

yield_bpm1i04X_mean vs Slug



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.183+/-0.000 χ^2/NDF:4262287217.0/7

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

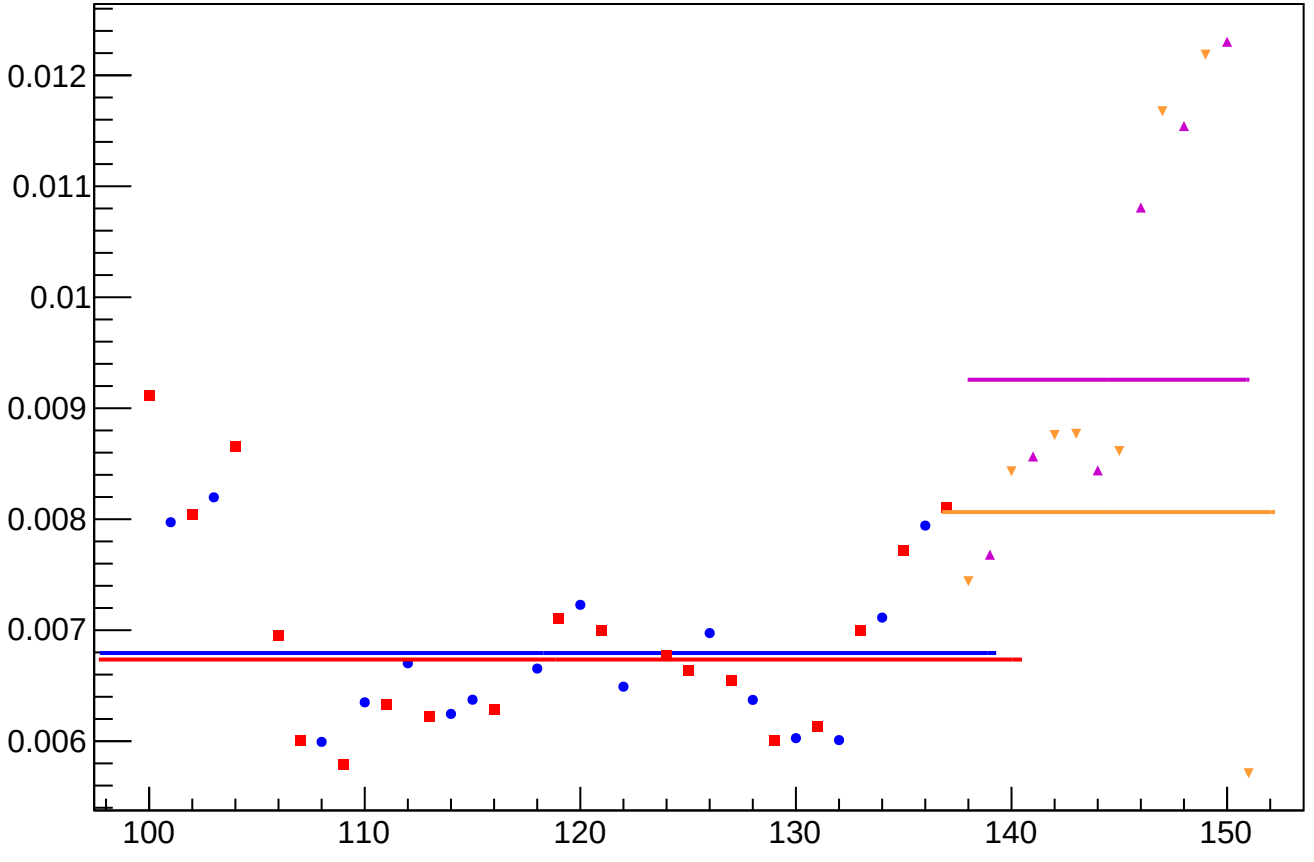
Left In: 1.047+/-0.000 χ^2/NDF:1124506947.8/5

+ sign 1.315+/-0.000 χ^2/NDF: 65166073508.9/23

All: 1.309+/-0.000 χ^2/NDF: 126688661194.8

- sign 1.304+/-0.000 χ^2/NDF: 61508237855.5/24

yield_bpm1i04X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 164456.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:605841.0/7

Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

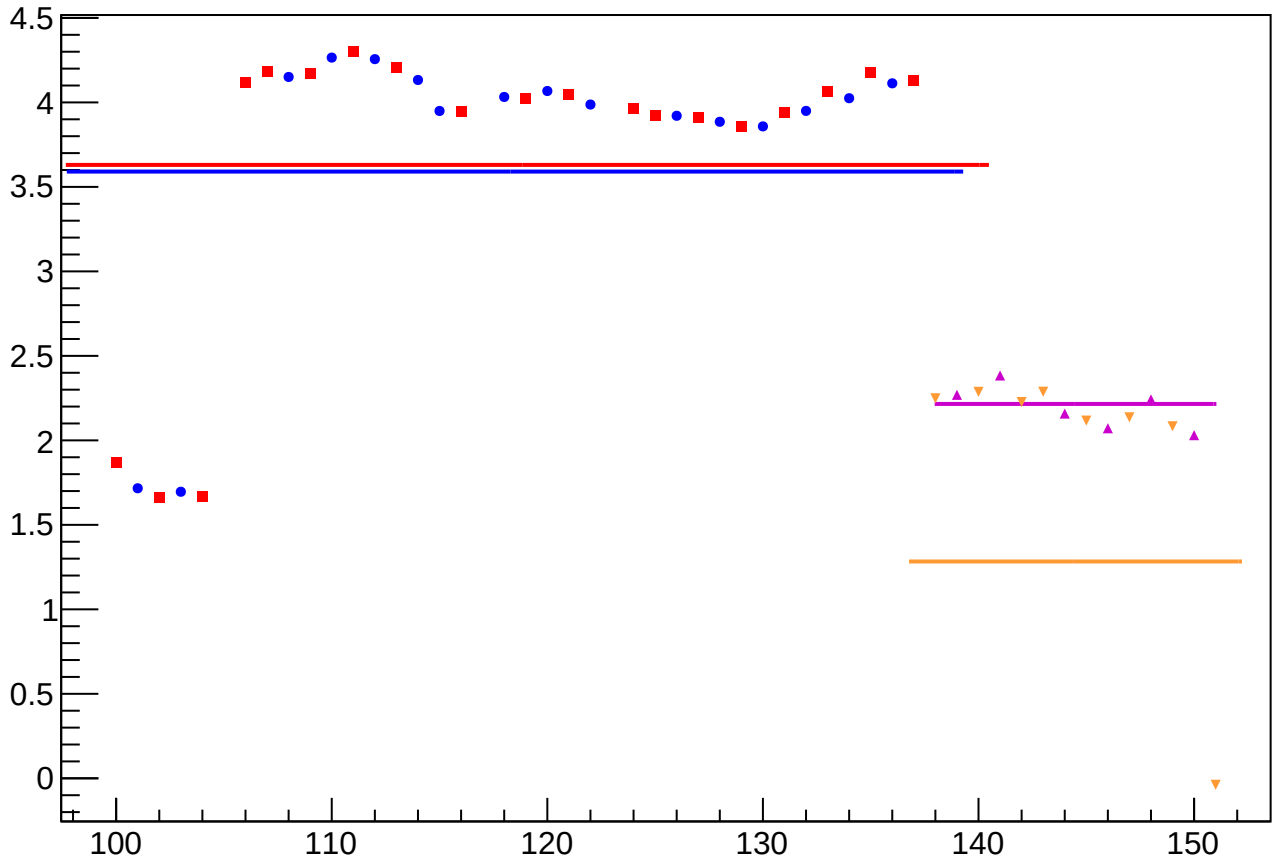
Left In: 0.009+/-0.000 χ^2/NDF:294590.2/5

+ sign 0.007+/-0.000 χ^2/NDF: 946979.2/23

All: 0.007+/-0.000 χ^2/NDF: 1977734.9/48

- sign 0.007+/-0.000 χ^2/NDF: 1026203.5/24

yield_bpm1i04Y_mean vs Slug



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 1.283+/-0.000 χ^2/NDF:168426603532.3/7

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

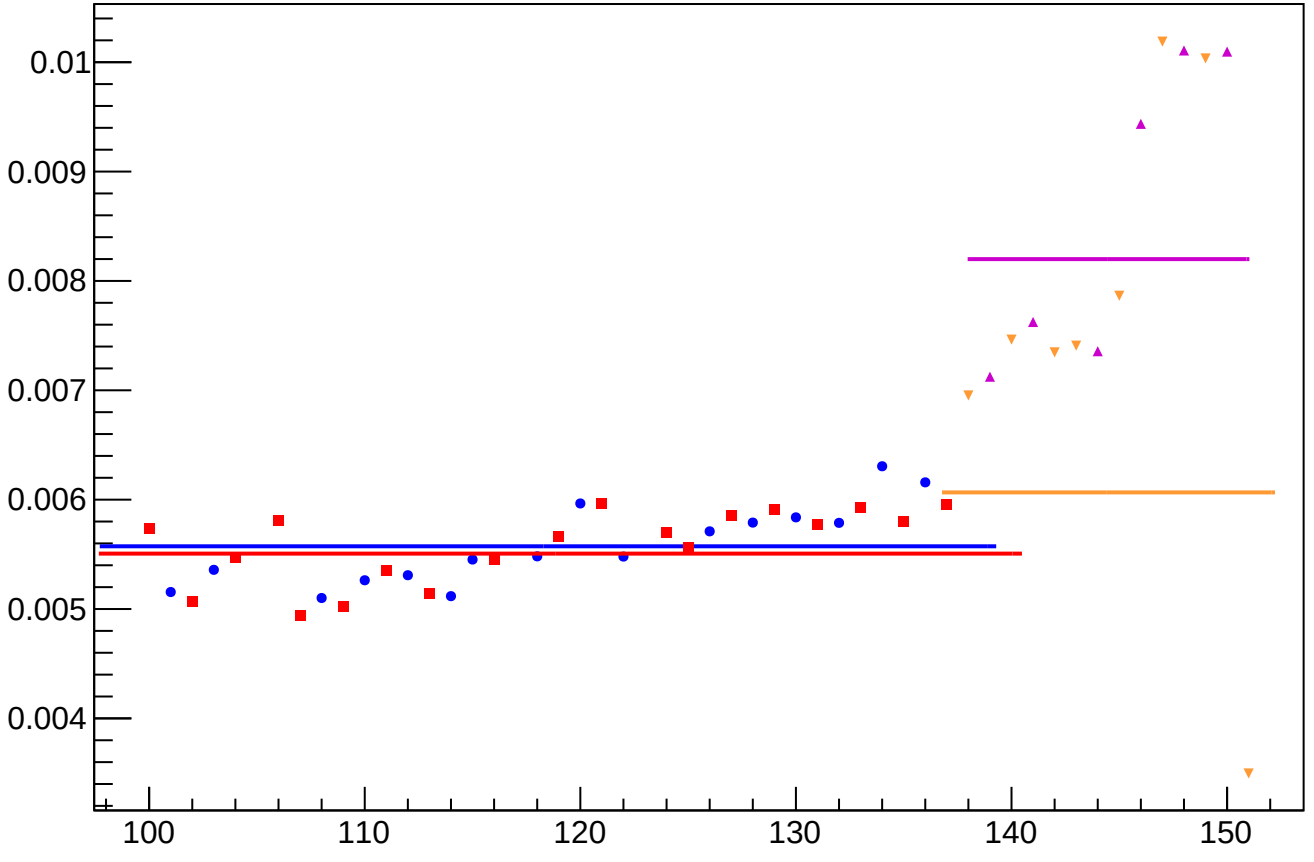
Left In: 2.216+/-0.000 χ^2/NDF:988998103.0/5

+ sign 2.734+/-0.000 χ^2/NDF: 826703494078.0/23

All: 2.997+/-0.000 χ^2/NDF: 1206162375031.

- sign 3.305+/-0.000 χ^2/NDF: 324489925024.3/24

yield_bpm1i04Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 59130.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:1458243.4/7

Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

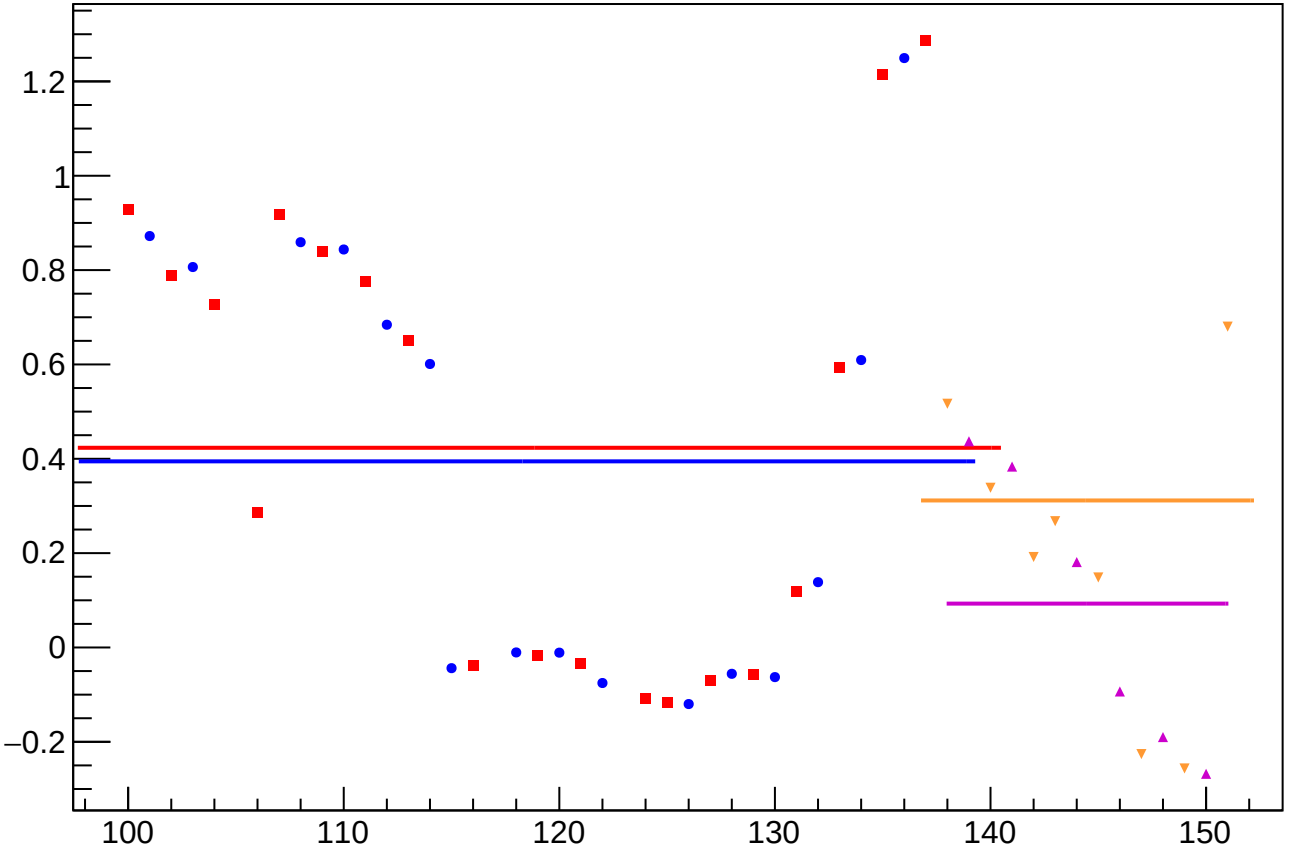
Left In: 0.008+/-0.000 χ^2/NDF:209878.9/5

+ sign 0.006+/-0.000 χ^2/NDF: 1558972.7/23

All: 0.006+/-0.000 χ^2/NDF: 2676378.7/48

- sign 0.006+/-0.000 χ^2/NDF: 1071170.6/24

yield_bpm1i06X_mean vs Slug



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 0.312+/-0.000 χ^2/NDF:3077159028.0/7

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

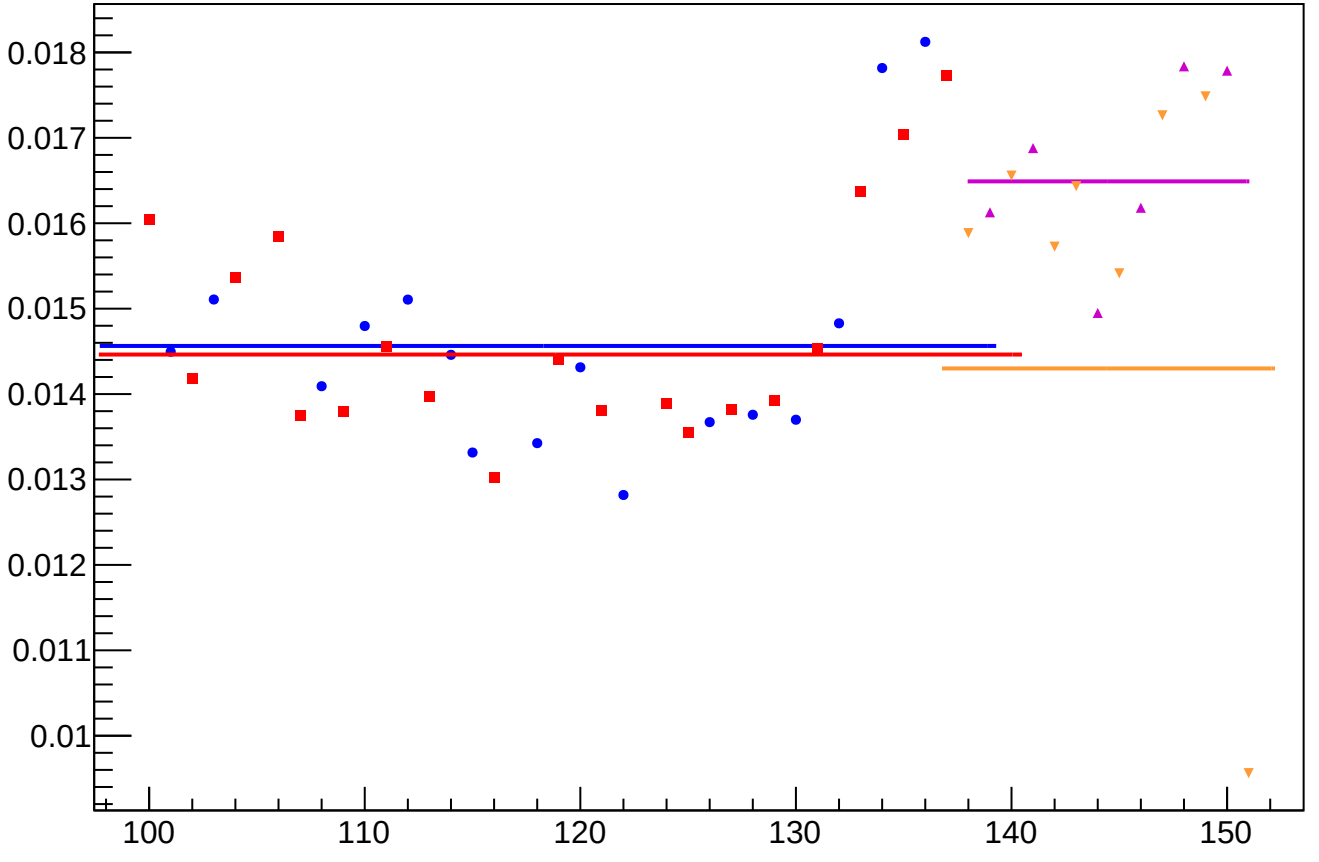
Left In: 0.093+/-0.000 χ^2/NDF:1360008429.7/5

+ sign 0.357+/-0.000 χ^2/NDF: 10594873217.5/23

All: 0.333+/-0.000 χ^2/NDF: 20272141396.0/4

- sign 0.307+/-0.000 χ^2/NDF: 9605625606.4/24

yield_bpm1i06X_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 133134.7/15

Left Out: 0.014+/-0.000 χ^2/NDF:578941.8/7

Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

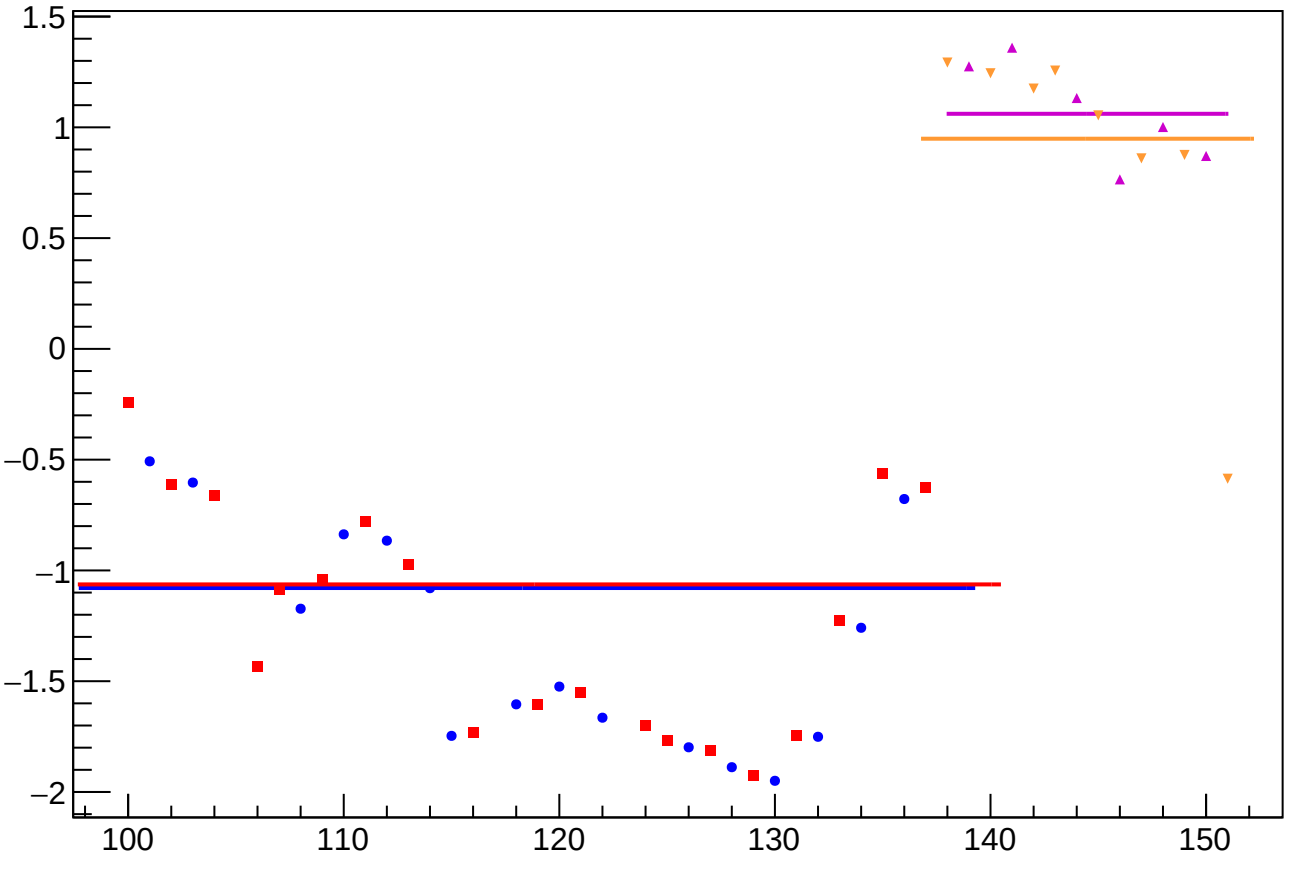
Left In: 0.016+/-0.000 χ^2/NDF:40097.9/5

+ sign 0.014+/-0.000 χ^2/NDF: 714202.5/23

All: 0.015+/-0.000 χ^2/NDF: 963843.3/48

- sign 0.015+/-0.000 χ^2/NDF: 218548.7/24

yield_bpm1i06Y_mean vs Slug



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 0.949+/-0.000 χ^2/NDF:95981333132.3/7

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

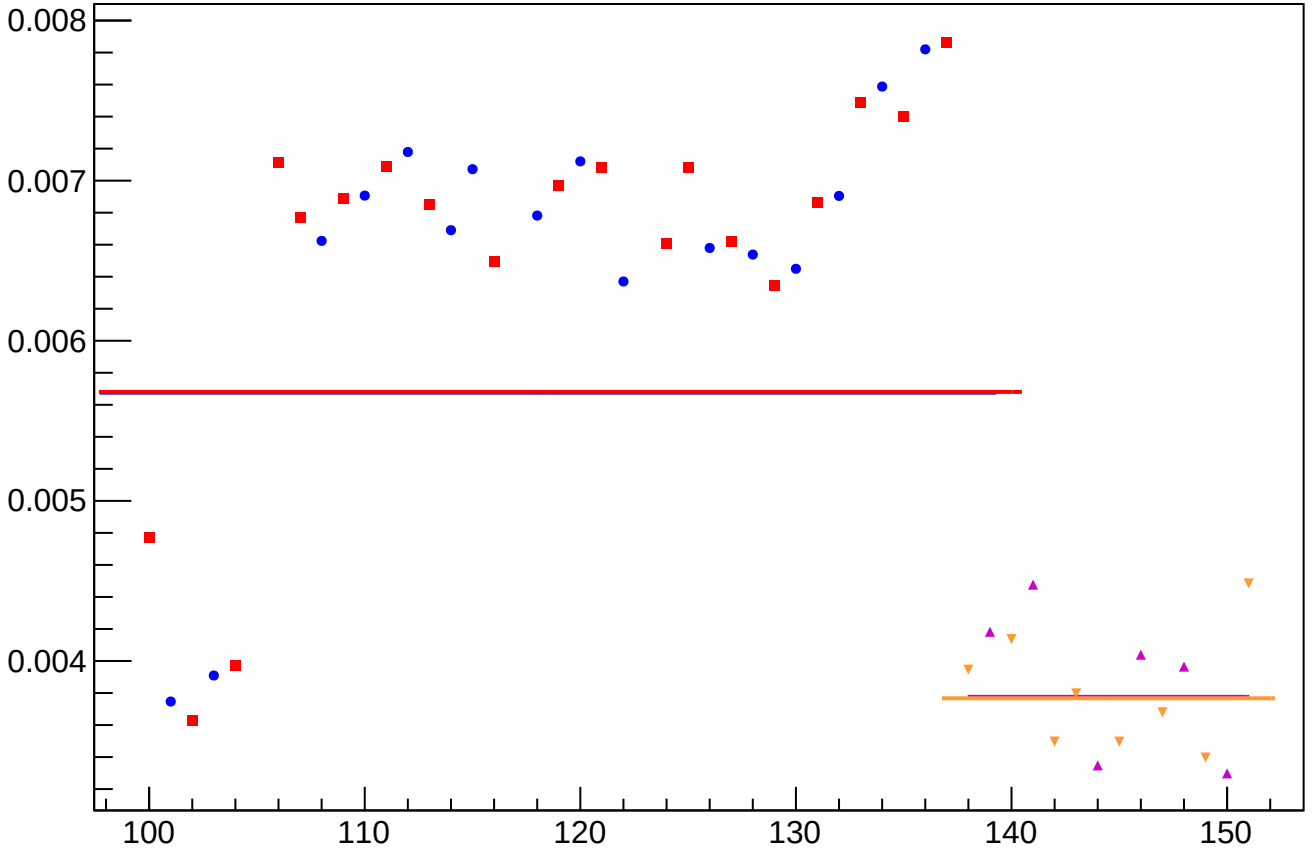
Left In: 1.061+/-0.000 χ^2/NDF:12296206606.5/5

+ sign 0.255+/-0.000 χ^2/NDF: 690700380458.7/23

All: 0.247+/-0.000 χ^2/NDF: 1305082179664.

- sign 0.238+/-0.000 χ^2/NDF: 614295683880.6/24

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:80913.3/7

Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

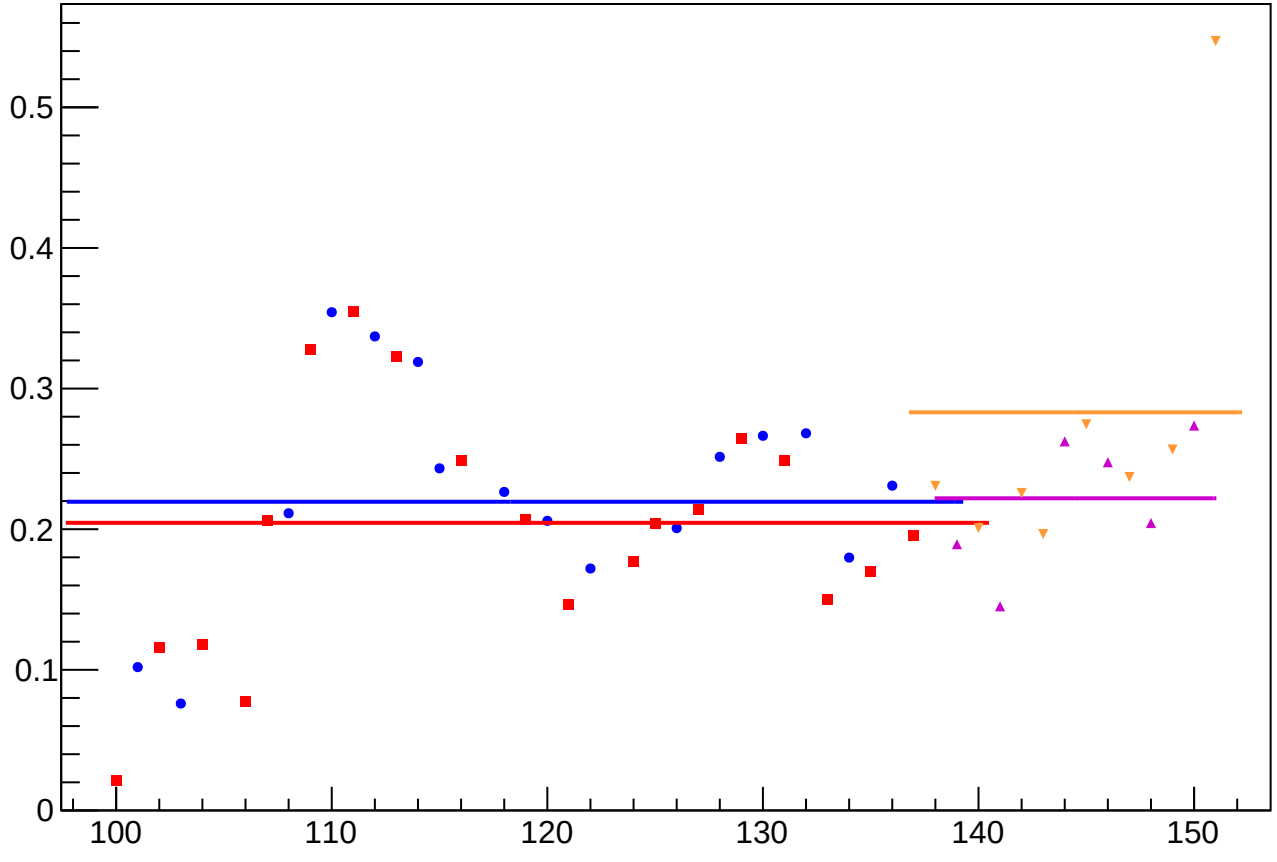
Left In: 0.004+/-0.000 χ^2/NDF:124354.1/5

+ sign 0.004+/-0.000 χ^2/NDF: 1973695.6/23

All: 0.004+/-0.000 χ^2/NDF: 3971085.2/48

- sign 0.005+/-0.000 χ^2/NDF: 1992490.6/24

yield_bpm2i01X_mean vs Slug



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.283+/-0.000 χ^2/NDF:45318005122.5/7

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

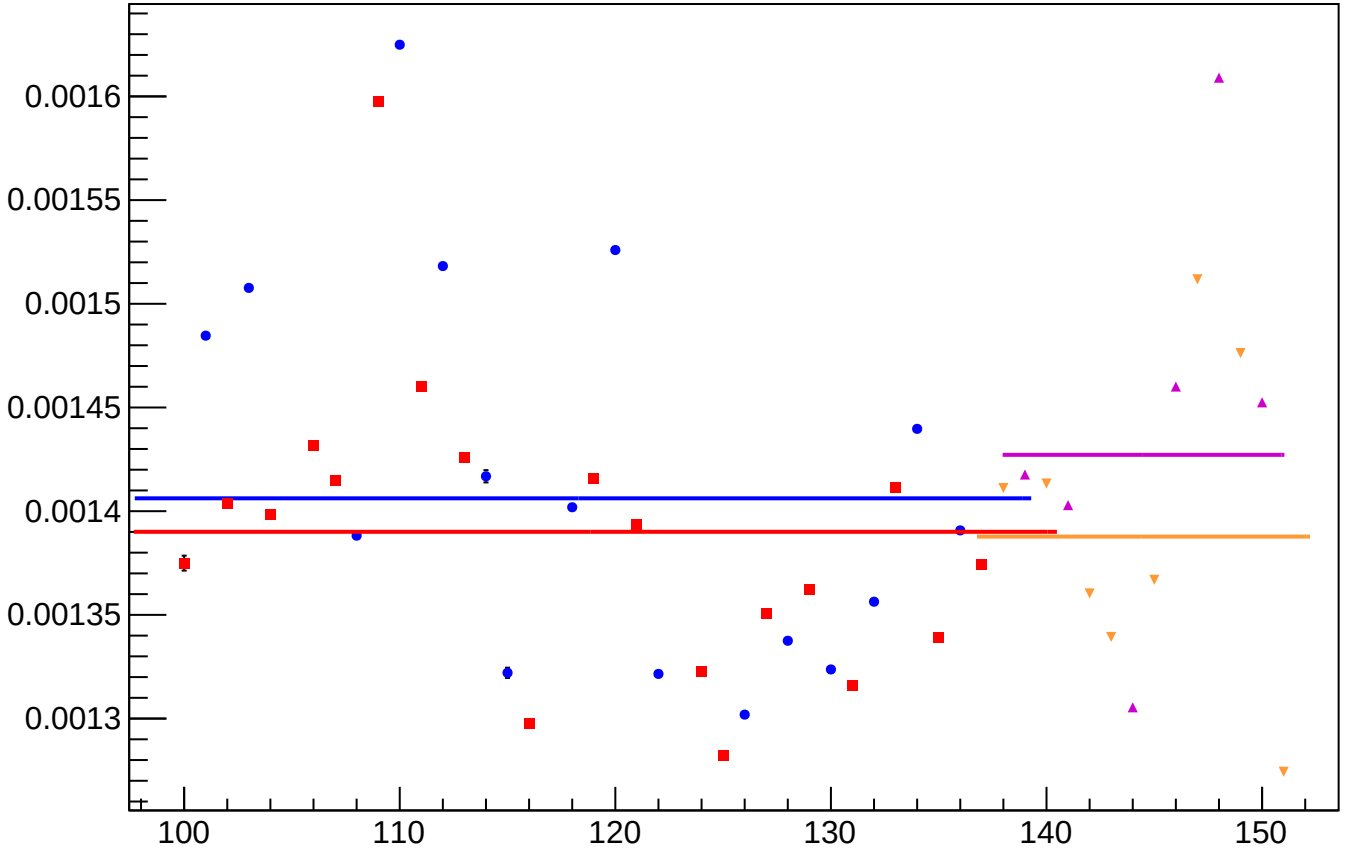
Left In: 0.222+/-0.000 χ^2/NDF:5406249404.9/5

+ sign 0.250+/-0.000 χ^2/NDF: 68784351493.1/23

All: 0.231+/-0.000 χ^2/NDF: 101703395570.4

- sign 0.211+/-0.000 χ^2/NDF: 28179120260.5/24

yield_bpm2i01X_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 48200.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:33785.7/7

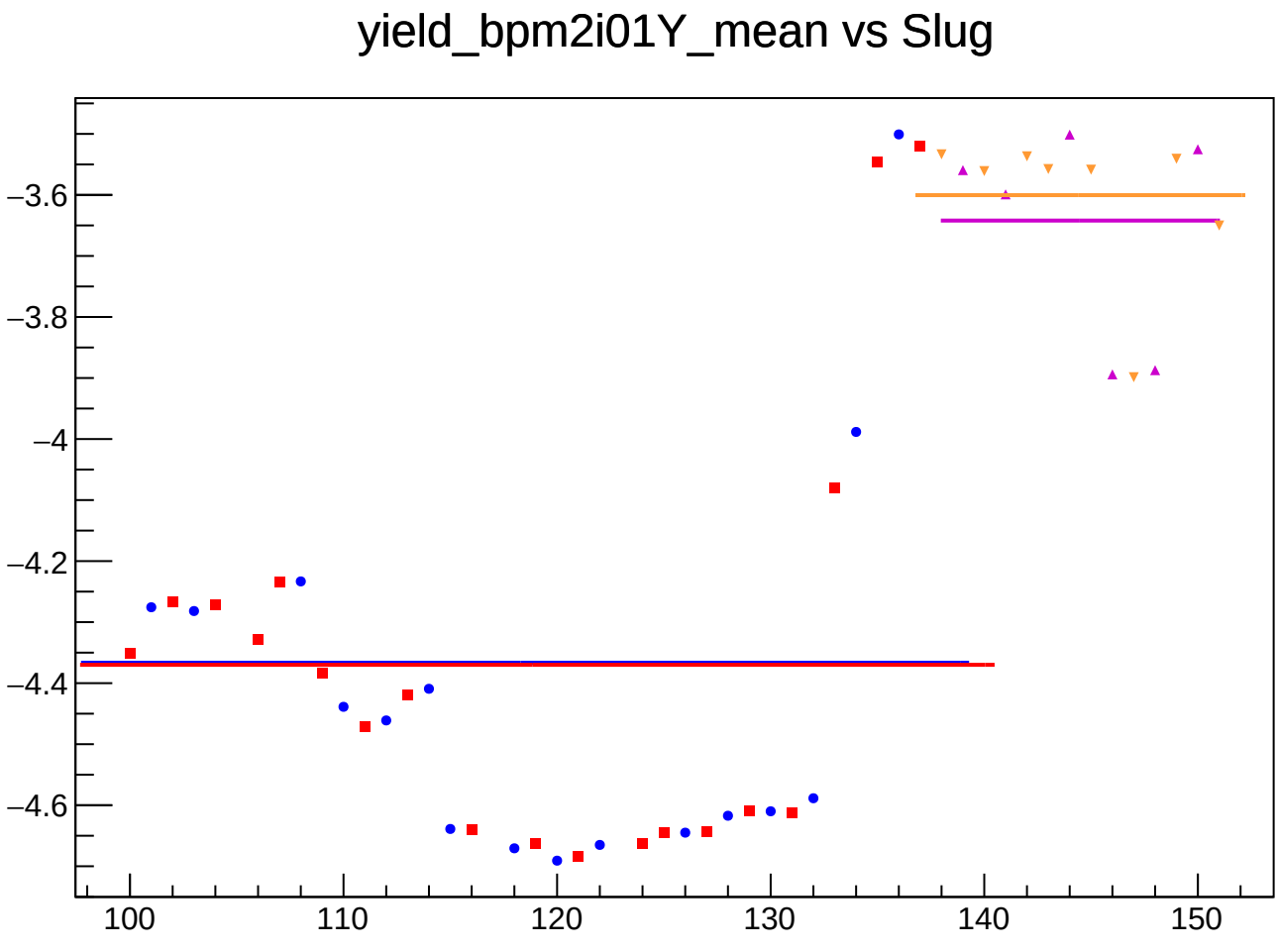
Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.001+/-0.000 χ^2/NDF:37596.6/5

+ sign 0.001+/-0.000 χ^2/NDF: 83121.5/23

All: 0.001+/-0.000 χ^2/NDF: 160035.8/48

- sign 0.001+/-0.000 χ^2/NDF: 76556.2/24



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.600+/-0.000 χ^2/NDF:18589739286.6/7

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

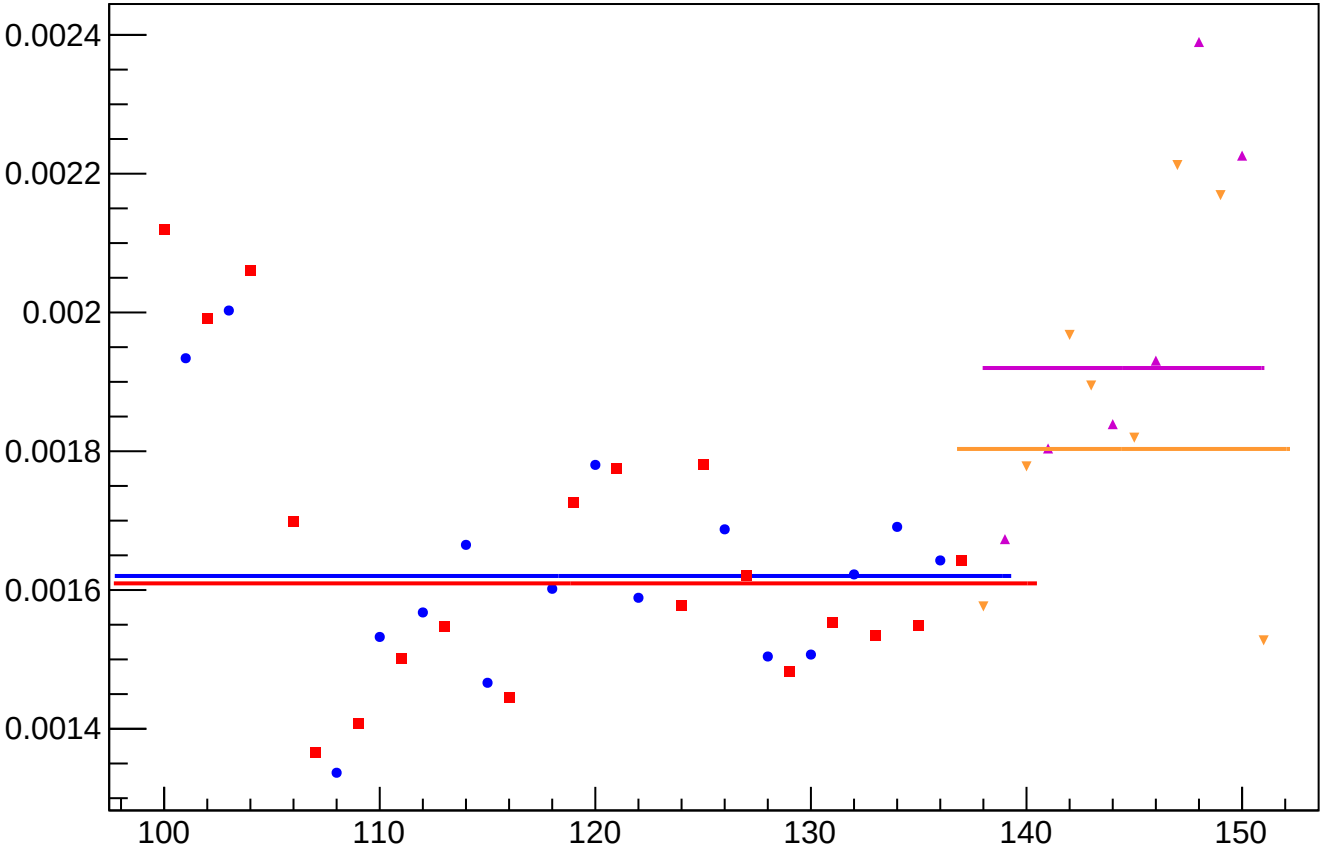
Left In: -3.642+/-0.000 χ^2/NDF:32344239790.4/5

+ sign -4.057+/-0.000 χ^2/NDF: 992080343666.7/23

All: -4.093+/-0.000 χ^2/NDF: 1808732447327

- sign -4.132+/-0.000 χ^2/NDF: 804905059254.9/24

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:192719.9/7

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

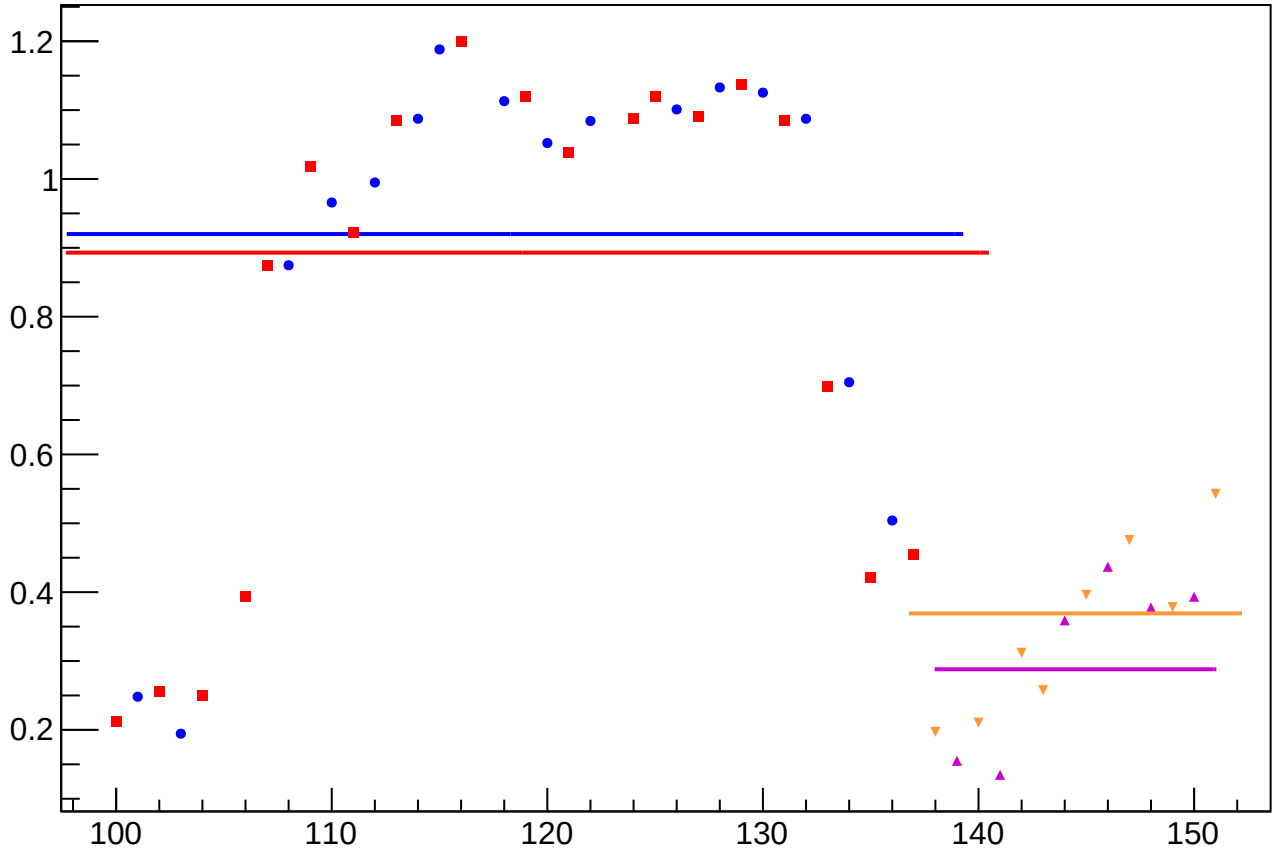
Left In: 0.002+/-0.000 χ^2/NDF:140217.6/5

+ sign 0.002+/-0.000 χ^2/NDF: 403774.1/23

All: 0.002+/-0.000 χ^2/NDF: 903429.8/48

- sign 0.002+/-0.000 χ^2/NDF: 498430.2/24

yield_bpm2i02X_mean vs Slug



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.369+/-0.000 χ^2/NDF:1576802509.8/7

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

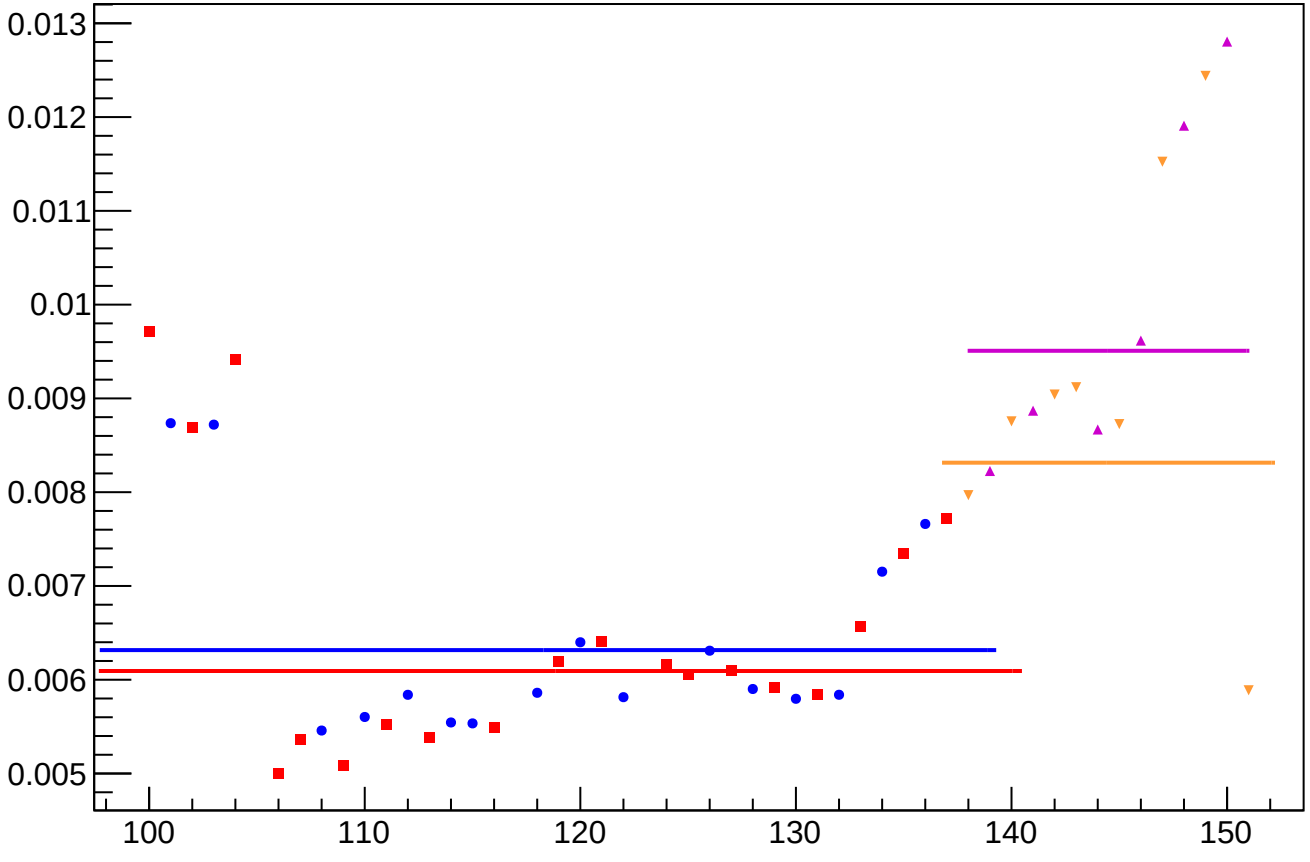
Left In: 0.288+/-0.000 χ^2/NDF:863473597.6/5

+ sign 0.741+/-0.000 χ^2/NDF: 33430708682.4/23

All: 0.749+/-0.000 χ^2/NDF: 67993166152.7/4

- sign 0.757+/-0.000 χ^2/NDF: 34529795784.2/24

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:623844.9/7

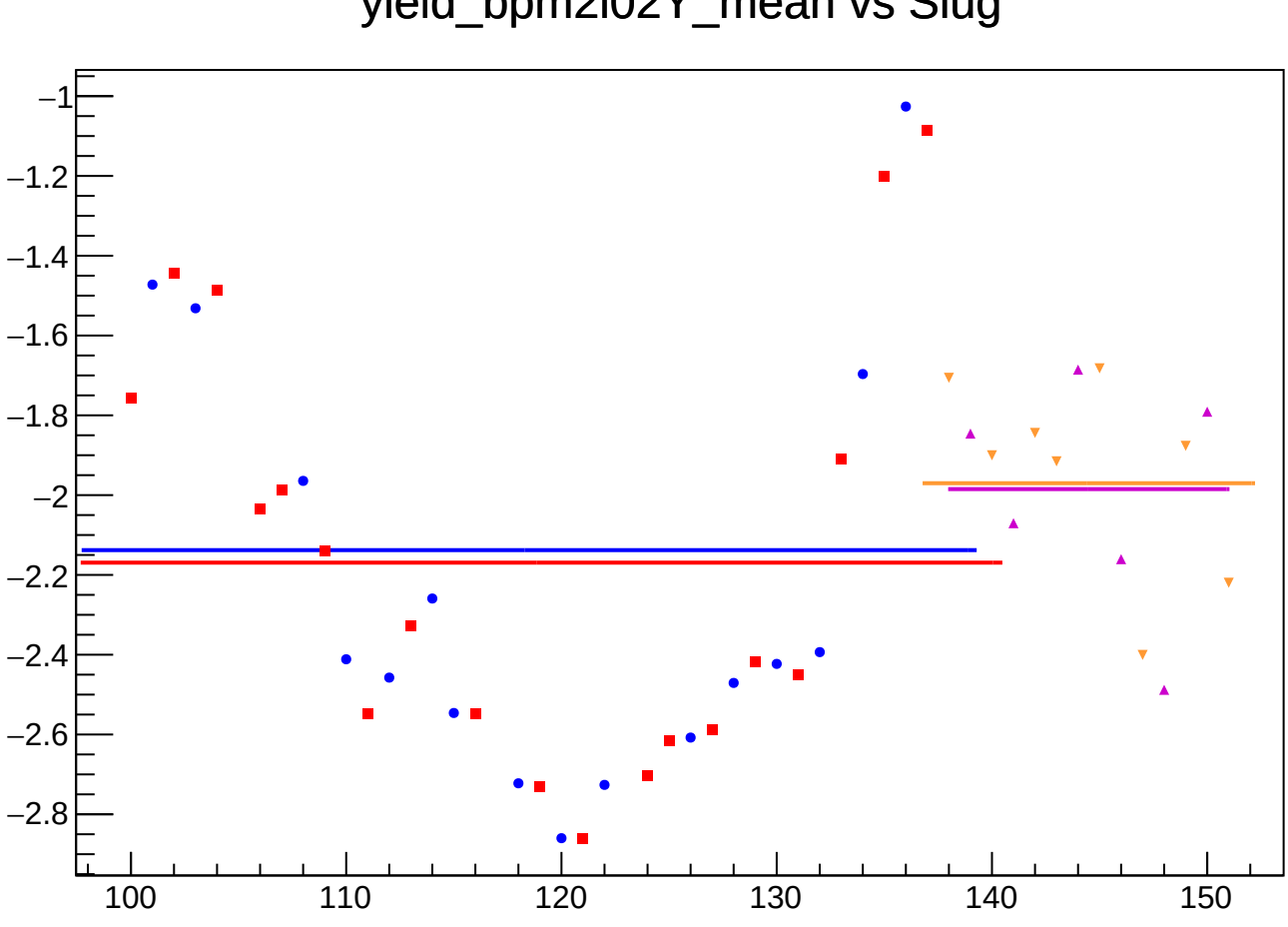
Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.010+/-0.000 χ^2/NDF:252863.8/5

+ sign 0.007+/-0.000 χ^2/NDF: 1414620.8/23

All: 0.007+/-0.000 χ^2/NDF: 3127209.0/48

- sign 0.007+/-0.000 χ^2/NDF: 1709741.0/24



Right In: -2.138+/-0.000 χ^2/NDF: 65666622158.4/15

Left Out: -1.970+/-0.000 χ^2/NDF:6345744615.2/7

Right Out: -2.169+/-0.000 χ^2/NDF: 57409196879.6/18

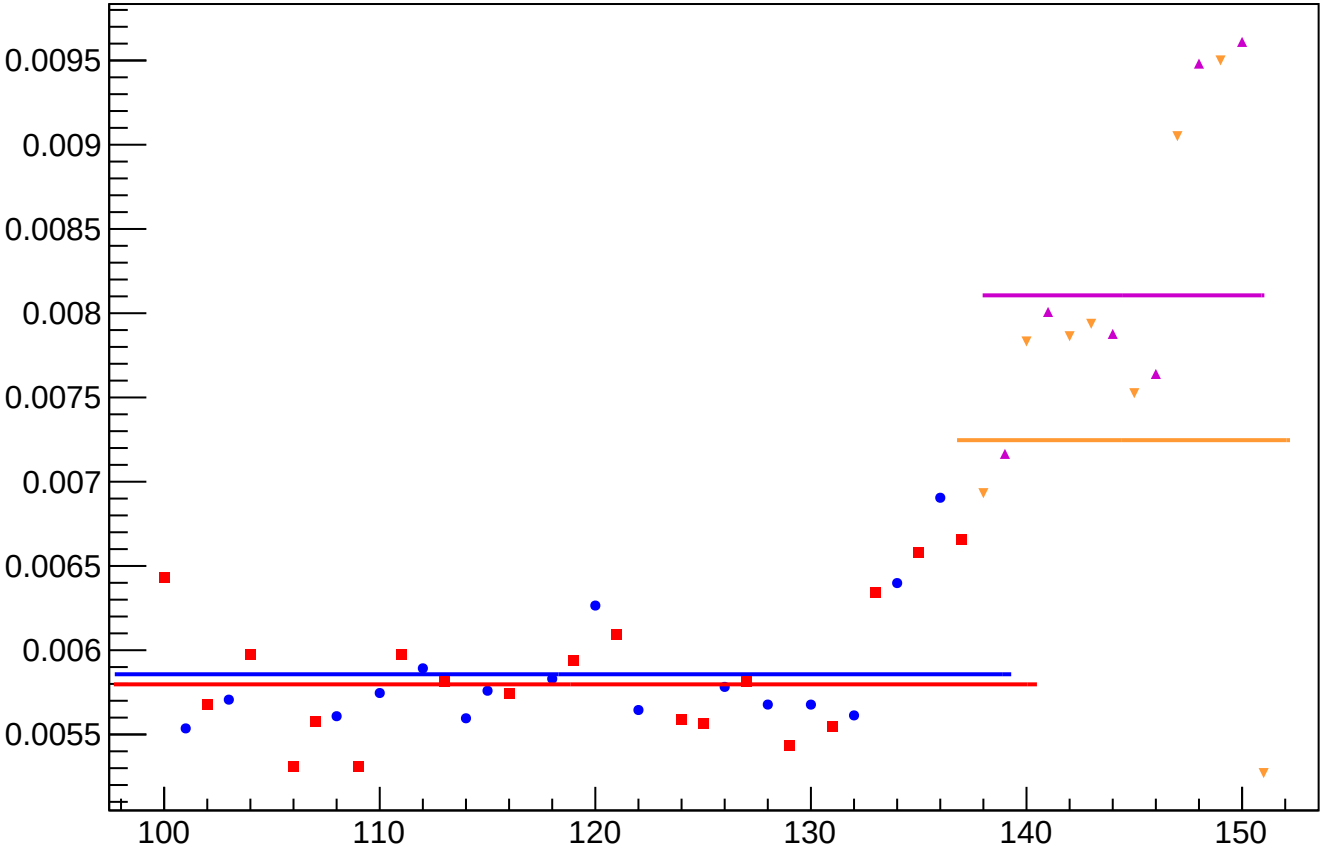
Left In: -1.985+/-0.000 χ^2/NDF:4893494264.8/5

+ sign -2.079+/-0.000 χ^2/NDF: 74083353945.2/23

All: -2.099+/-0.000 χ^2/NDF: 138638109889.4

- sign -2.121+/-0.000 χ^2/NDF: 64281236740.5/24

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:425972.8/7

Right Out: 0.006+/-0.000 χ^2/NDF: 56374.2/18

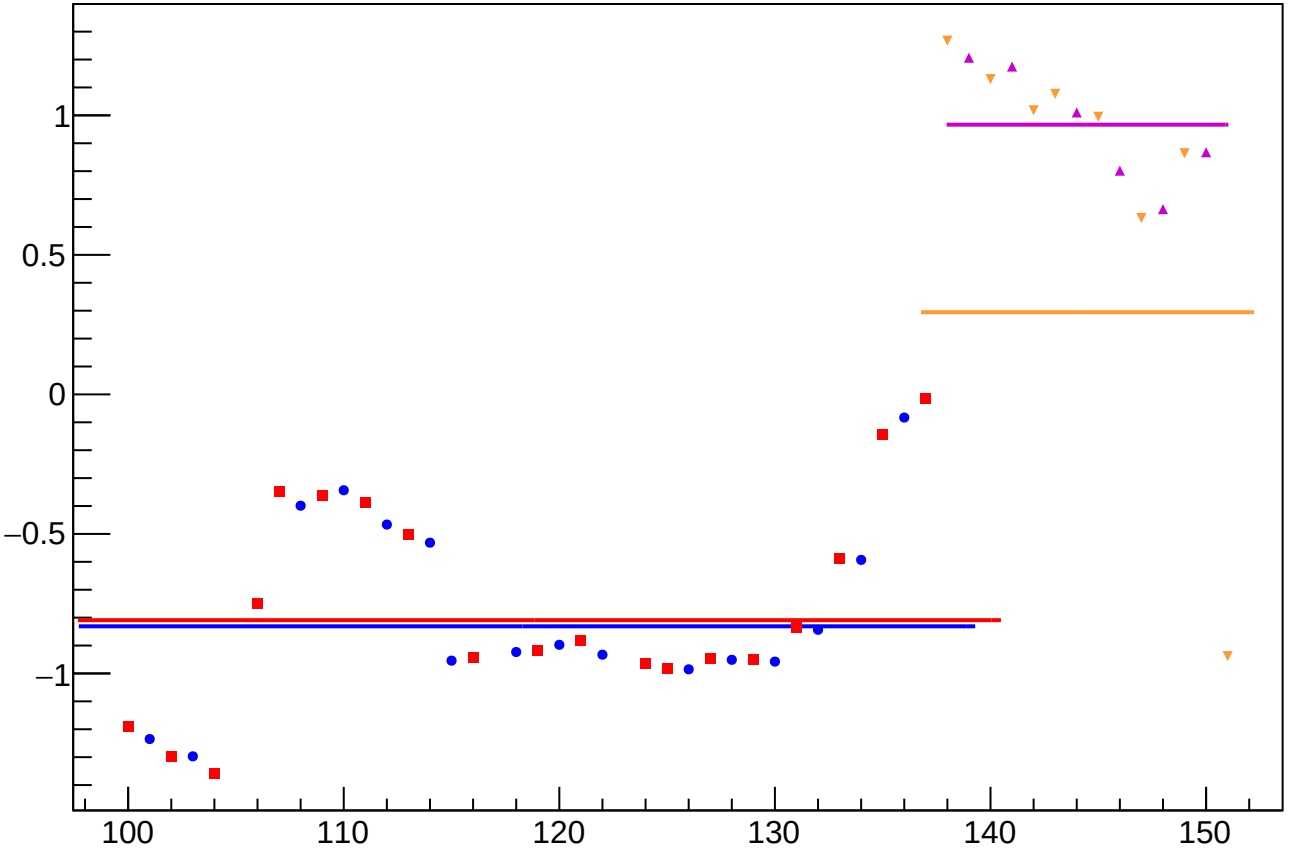
Left In: 0.008+/-0.000 χ^2/NDF:116451.6/5

+ sign 0.006+/-0.000 χ^2/NDF: 772096.2/23

All: 0.006+/-0.000 χ^2/NDF: 1566753.0/48

- sign 0.006+/-0.000 χ^2/NDF: 793599.3/24

yield_bpm0i01X_mean vs Slug



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: 0.294+/-0.000 χ^2/NDF:45596873960.7/7

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

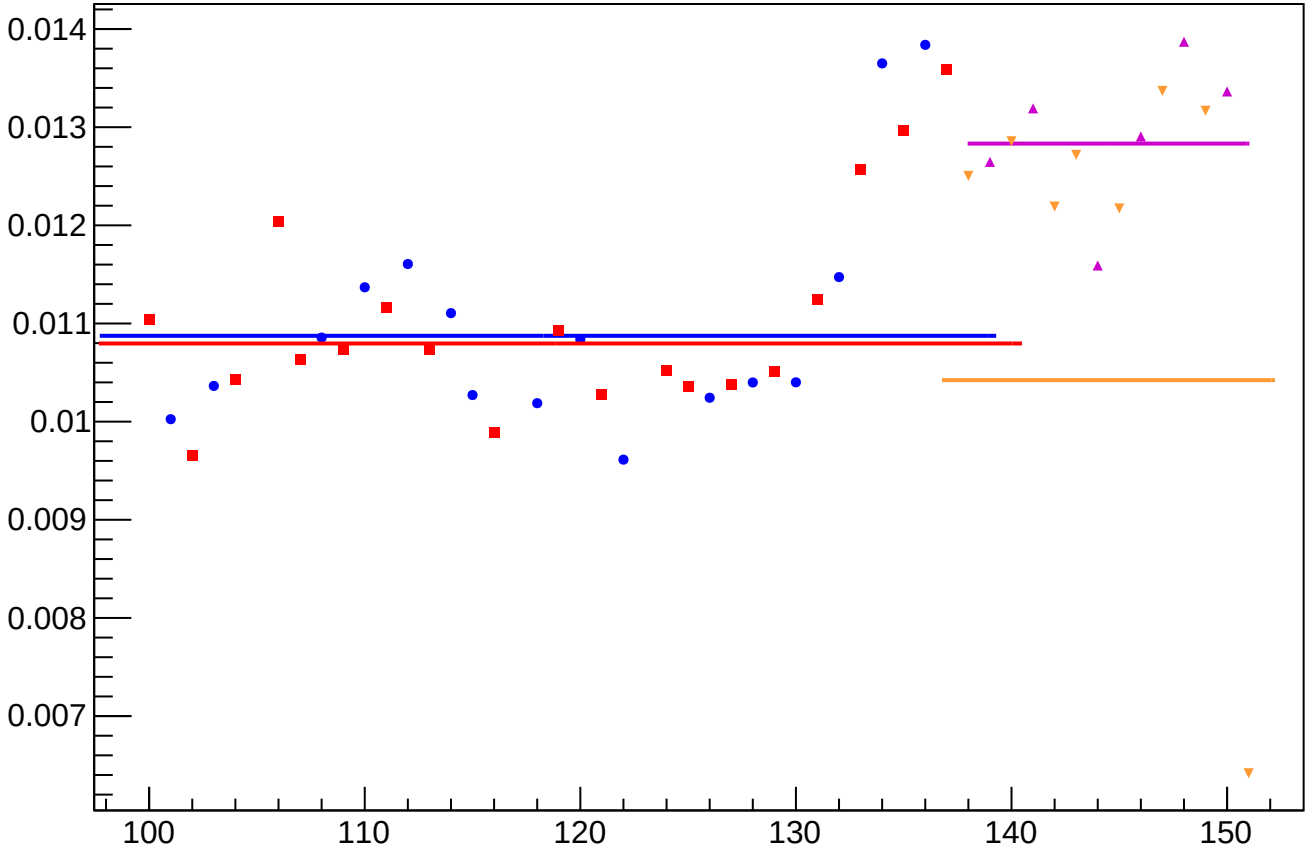
Left In: 0.967+/-0.000 χ^2/NDF:1107841146.7/5

+ sign -0.312+/-0.000 χ^2/NDF: 87458142458.9/23

All: -0.268+/-0.000 χ^2/NDF: 162523957956.0

- sign -0.216+/-0.000 χ^2/NDF: 74594956931.1/24

yield_bpm0i01X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 157612.7/15

Left Out: 0.010+/-0.000 χ^2/NDF:949689.3/7

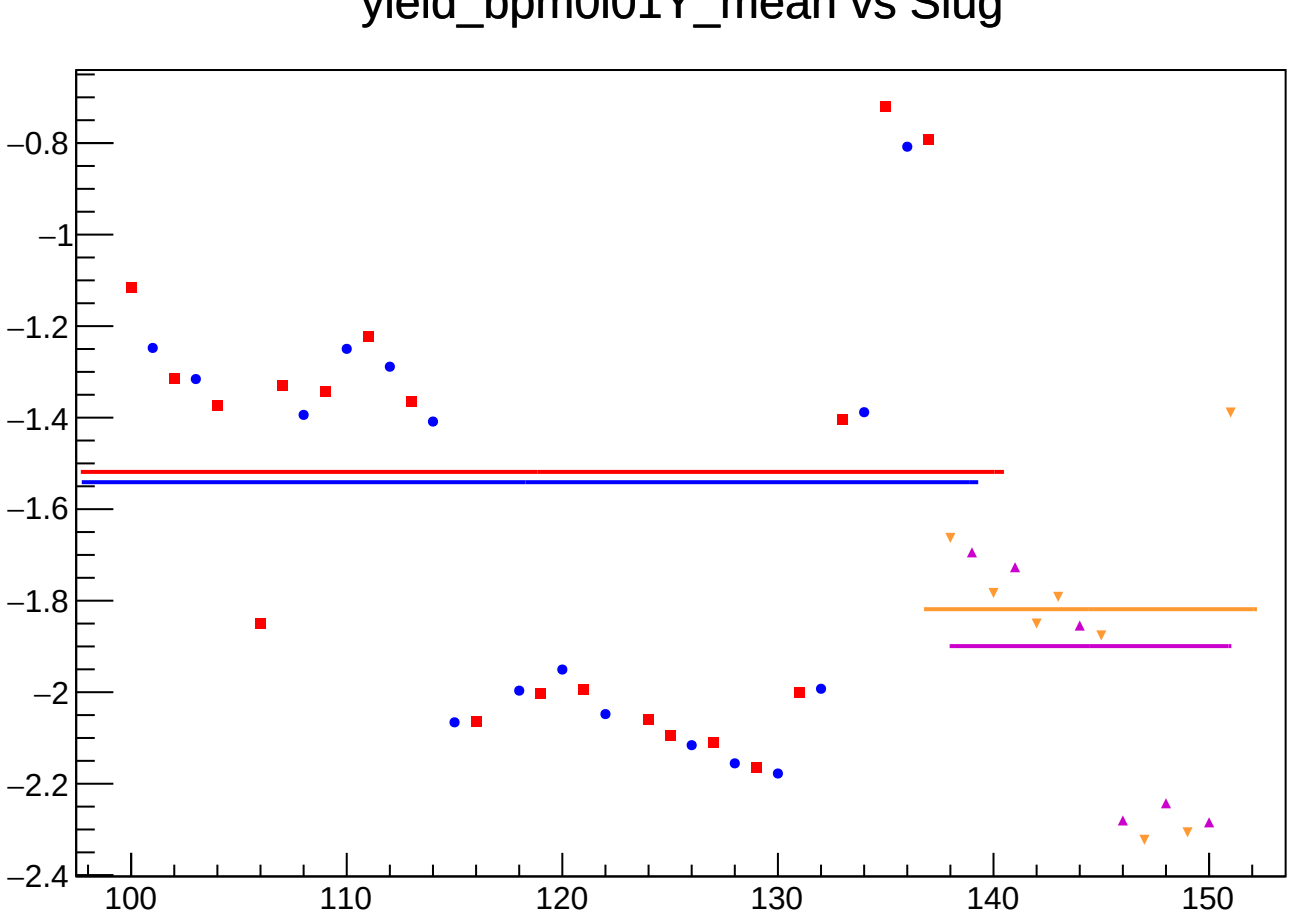
Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.013+/-0.000 χ^2/NDF:33935.4/5

+ sign 0.011+/-0.000 χ^2/NDF: 1118516.3/23

All: 0.011+/-0.000 χ^2/NDF: 1489891.2/48

- sign 0.011+/-0.000 χ^2/NDF: 304970.4/24



Right In: -1.541+/-0.000 χ^2/NDF: 162409397922.2/15

Left Out: -1.819+/-0.000 χ^2/NDF:30479726346.5/7

Right Out: -1.519+/-0.000 χ^2/NDF: 145077318641.2/18

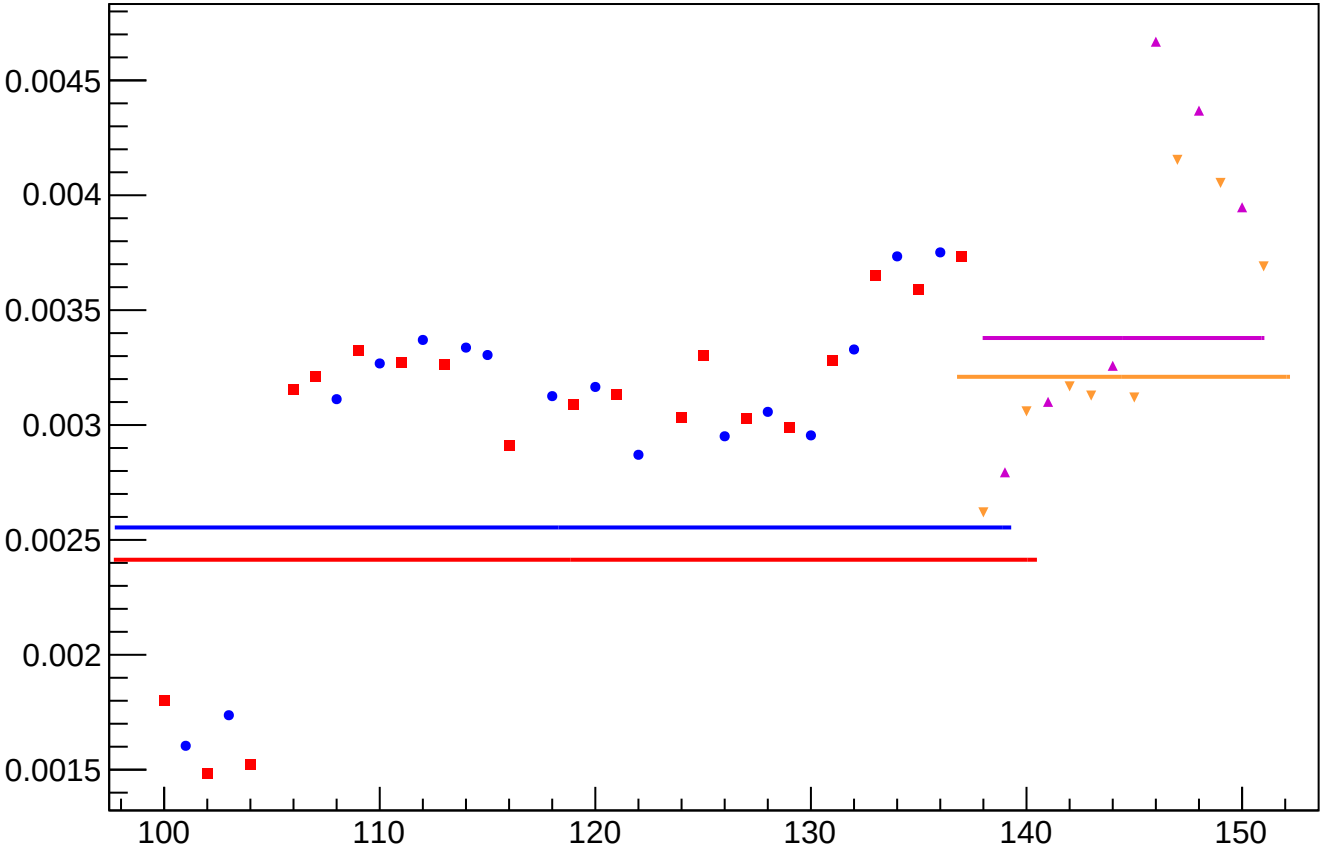
Left In: -1.899+/-0.000 χ^2/NDF:21795328564.9/5

+ sign -1.638+/-0.000 χ^2/NDF: 217928198863.8/23

All: -1.630+/-0.000 χ^2/NDF: 424619934620.1

- sign -1.621+/-0.000 χ^2/NDF: 206479779148.1/24

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 1172434.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:224359.2/7

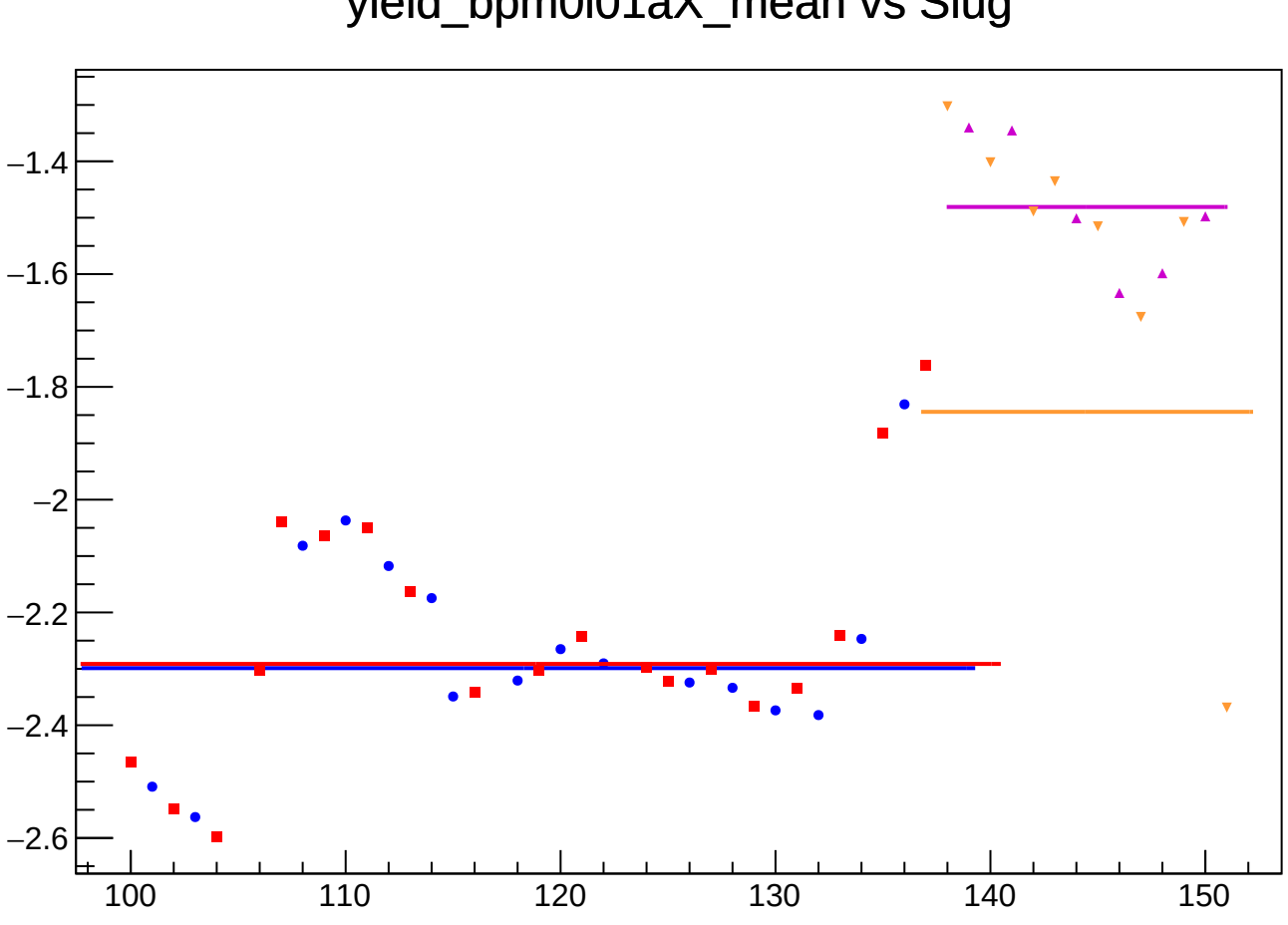
Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.003+/-0.000 χ^2/NDF:269290.9/5

+ sign 0.003+/-0.000 χ^2/NDF: 1676299.9/23

All: 0.003+/-0.000 χ^2/NDF: 4018691.1/48

- sign 0.003+/-0.000 χ^2/NDF: 2325120.3/24



Right In: -2.299+/-0.000 χ^2/NDF: 6129071089.8/15

Left Out: -1.844+/-0.000 χ^2/NDF:23254075671.1/7

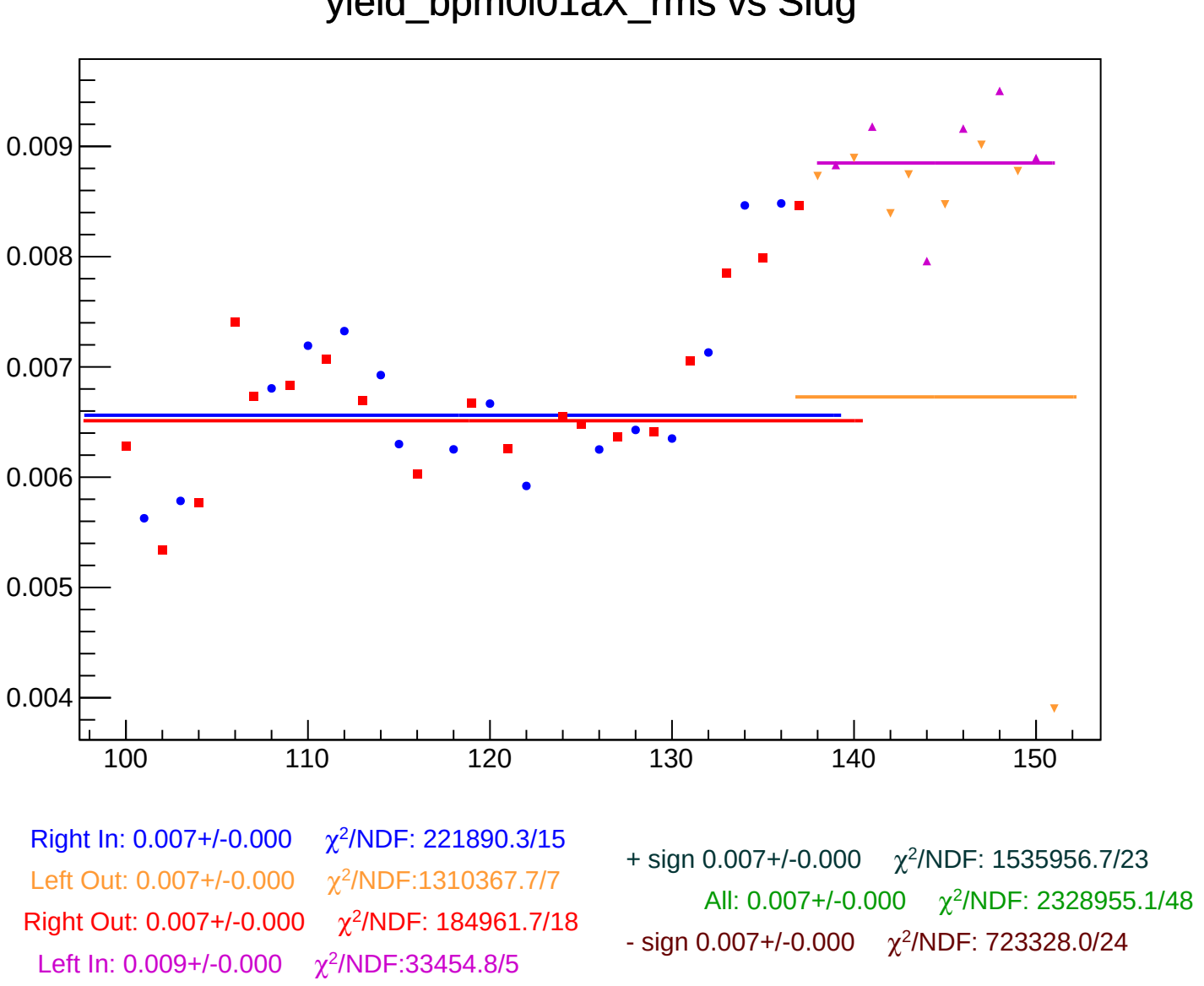
Right Out: -2.291+/-0.000 χ^2/NDF: 6831007568.9/18

Left In: -1.481+/-0.000 χ^2/NDF:754421023.9/5

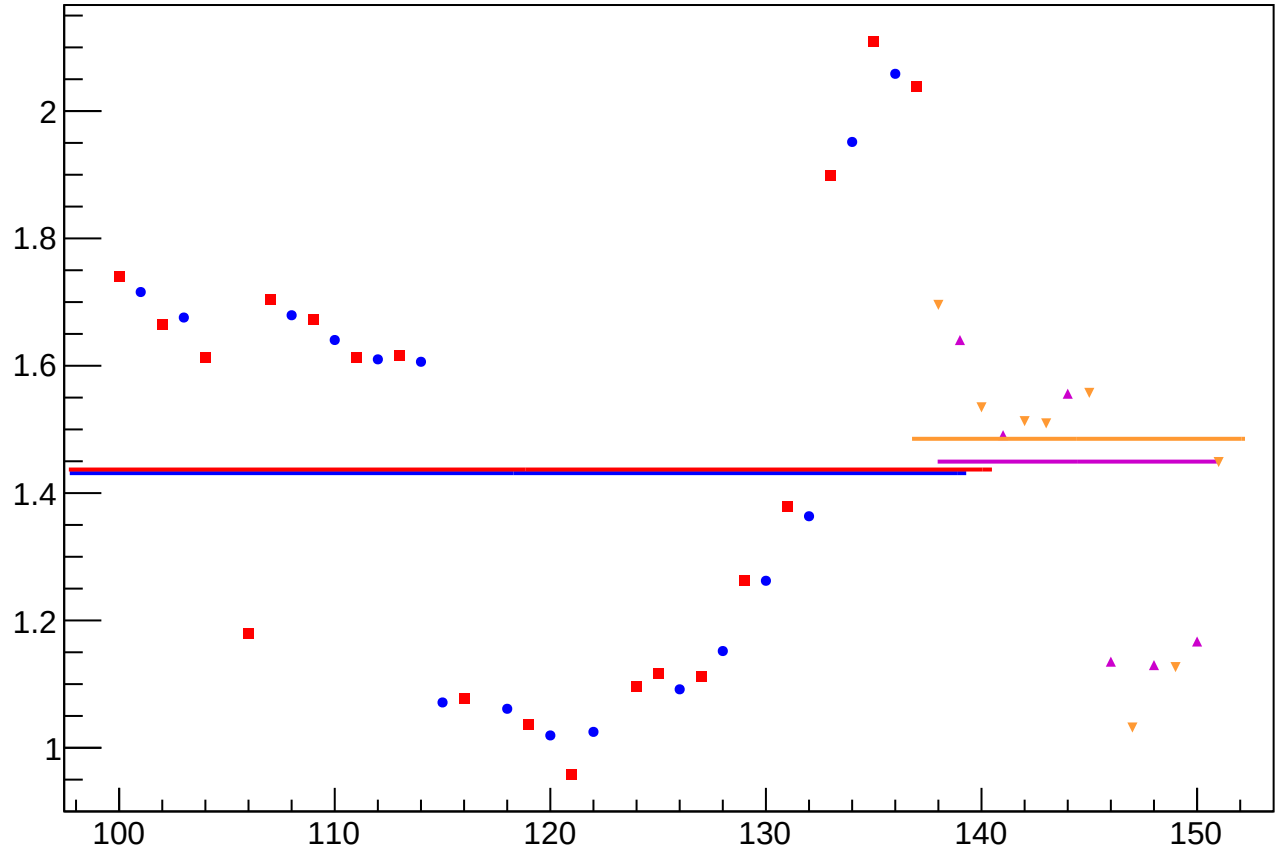
+ sign -2.109+/-0.000 χ^2/NDF: 43244273216.2/23

All: -2.090+/-0.000 χ^2/NDF: 81407818188.6/

- sign -2.068+/-0.000 χ^2/NDF: 37946770479.1/24


yield_bpm0i01aX_rms vs Slug
0.009
0.008
0.007
0.006
0.005
0.004
100
110
120
130
140
150
Right In: 0.007+/-0.000 χ²/NDF: 221890.3/15
Left Out: 0.007+/-0.000 χ²/NDF:1310367.7/7
Right Out: 0.007+/-0.000 χ²/NDF: 184961.7/18
Left In: 0.009+/-0.000 χ²/NDF:33454.8/5
+ sign 0.007+/-0.000 χ²/NDF: 1535956.7/23
All: 0.007+/-0.000 χ²/NDF: 2328955.1/48
- sign 0.007+/-0.000 χ²/NDF: 723328.0/24

yield_bpm0i01aY_mean vs Slug



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 1.485+/-0.000 χ^2/NDF:6556991041.4/7

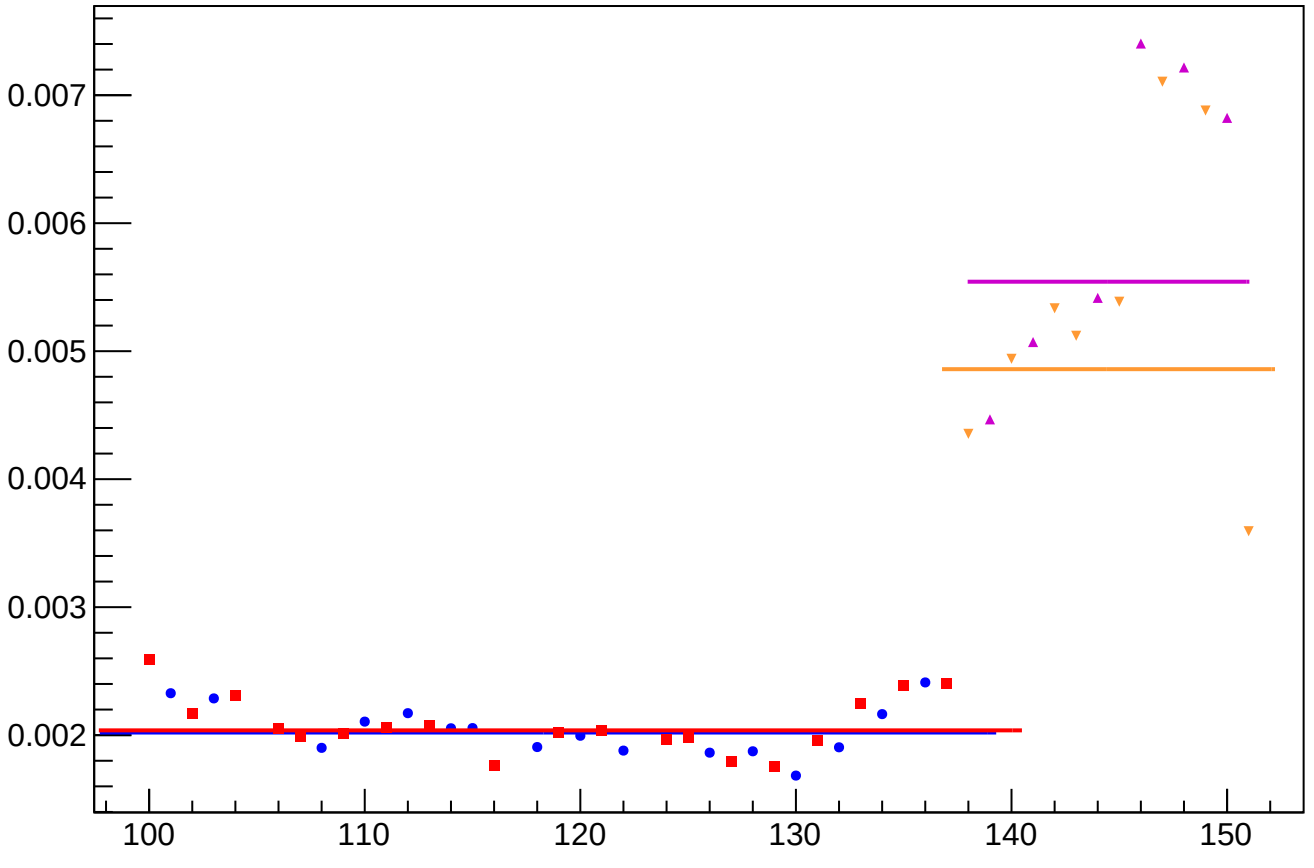
Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

Left In: 1.449+/-0.000 χ^2/NDF:5683145528.1/5

+ sign 1.438+/-0.000 χ^2/NDF: 196307783510.6/23

All: 1.438+/-0.000 χ^2/NDF: 384030803914.5

- sign 1.438+/-0.000 χ^2/NDF: 187722987537.1/24



Right In: 0.002+/-0.000 χ^2/NDF: 154923.3/15

Left Out: 0.005+/-0.000 χ^2/NDF:461668.4/7

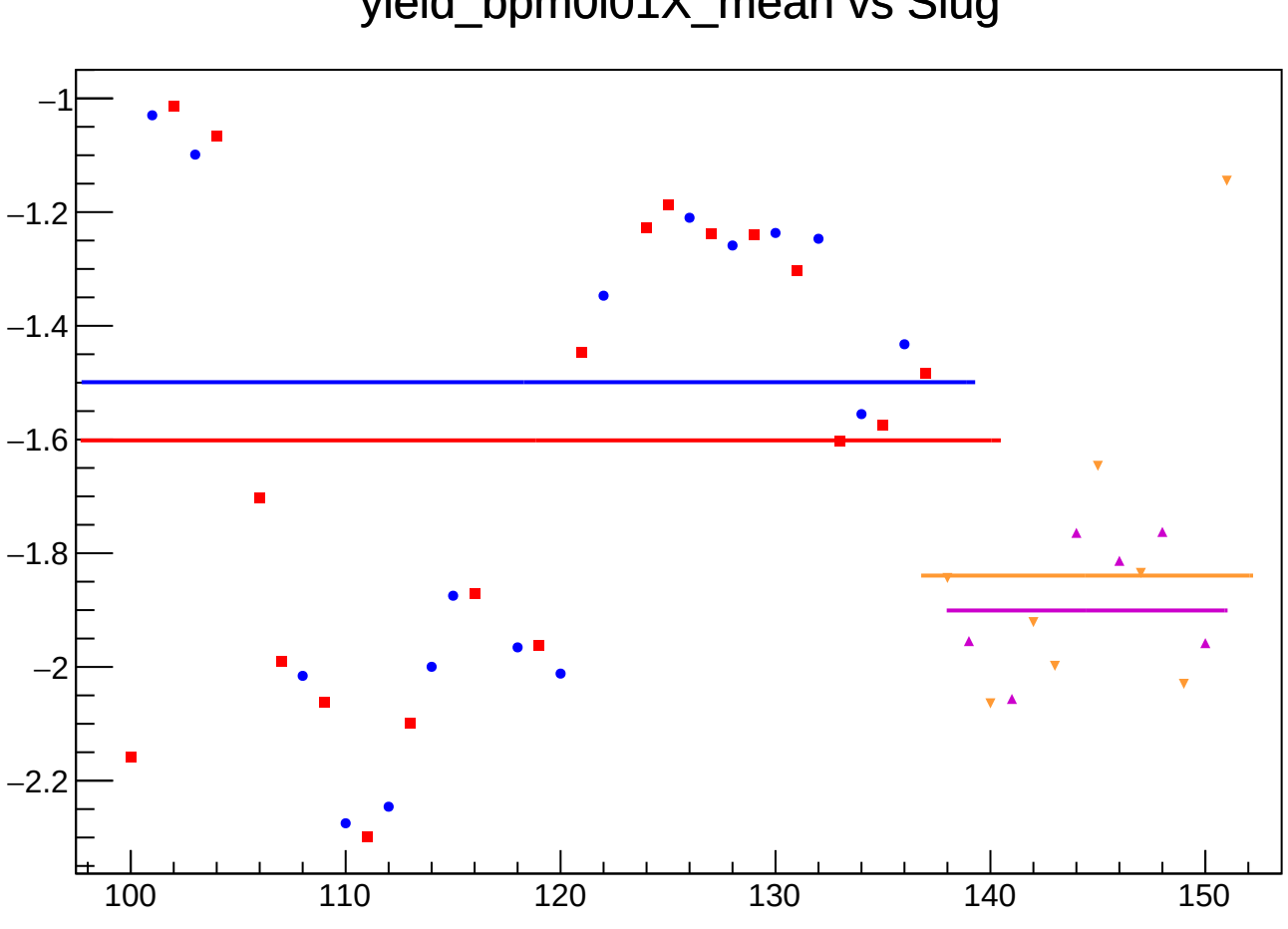
Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.006+/-0.000 χ^2/NDF:319129.0/5

+ sign 0.002+/-0.000 χ^2/NDF: 3774824.1/23

All: 0.002+/-0.000 χ^2/NDF: 7486558.6/48

- sign 0.002+/-0.000 χ^2/NDF: 3709004.3/24



Right In: -1.499+/-0.000 χ^2/NDF: 22930357522.2/15

Left Out: -1.839+/-0.000 χ^2/NDF:11255762271.3/7

Right Out: -1.601+/-0.000 χ^2/NDF: 28324914147.6/18

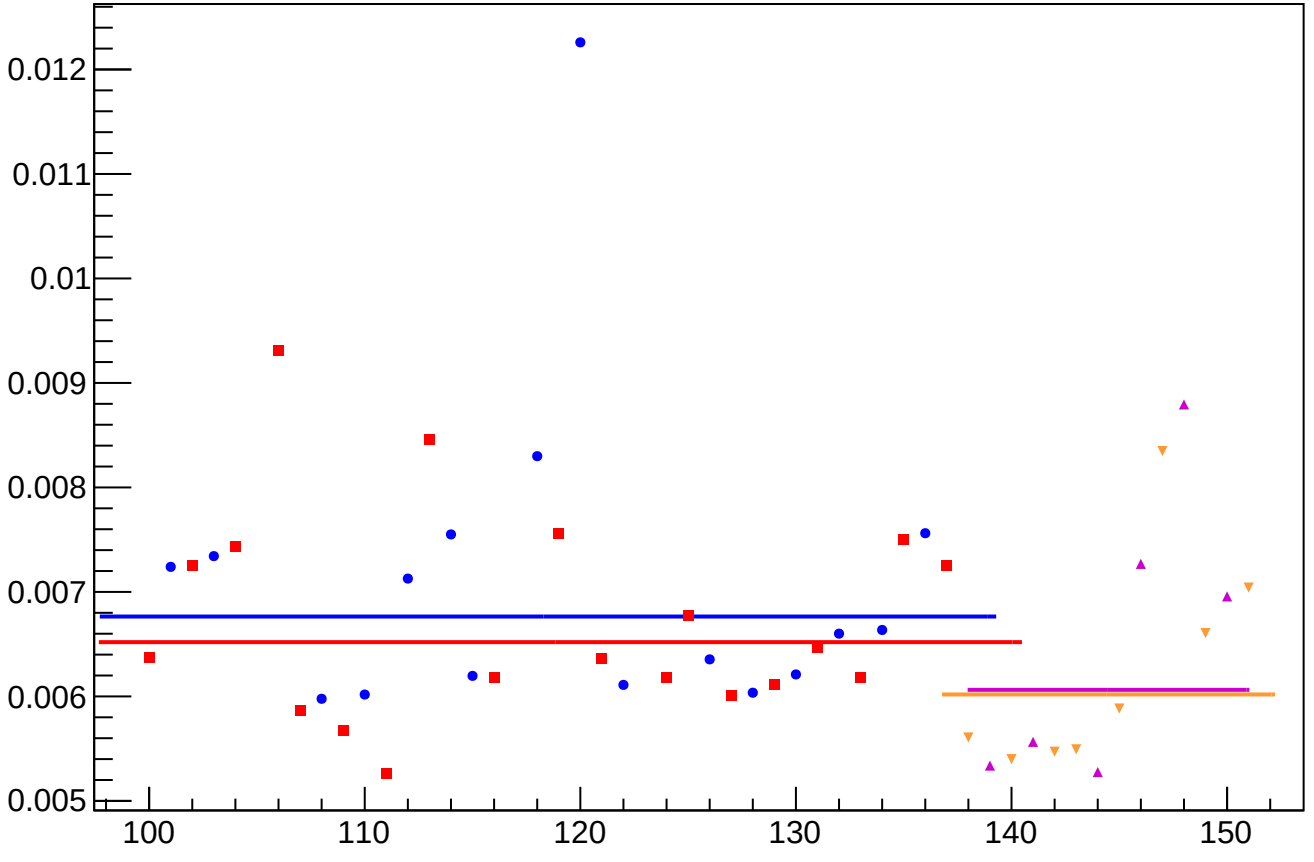
Left In: -1.901+/-0.000 χ^2/NDF:1687874411.3/5

+ sign -1.679+/-0.000 χ^2/NDF: 42859963429.9/23

All: -1.706+/-0.000 χ^2/NDF: 79761798361.7/

- sign -1.734+/-0.000 χ^2/NDF: 36452749600.4/24

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:215578.9/7

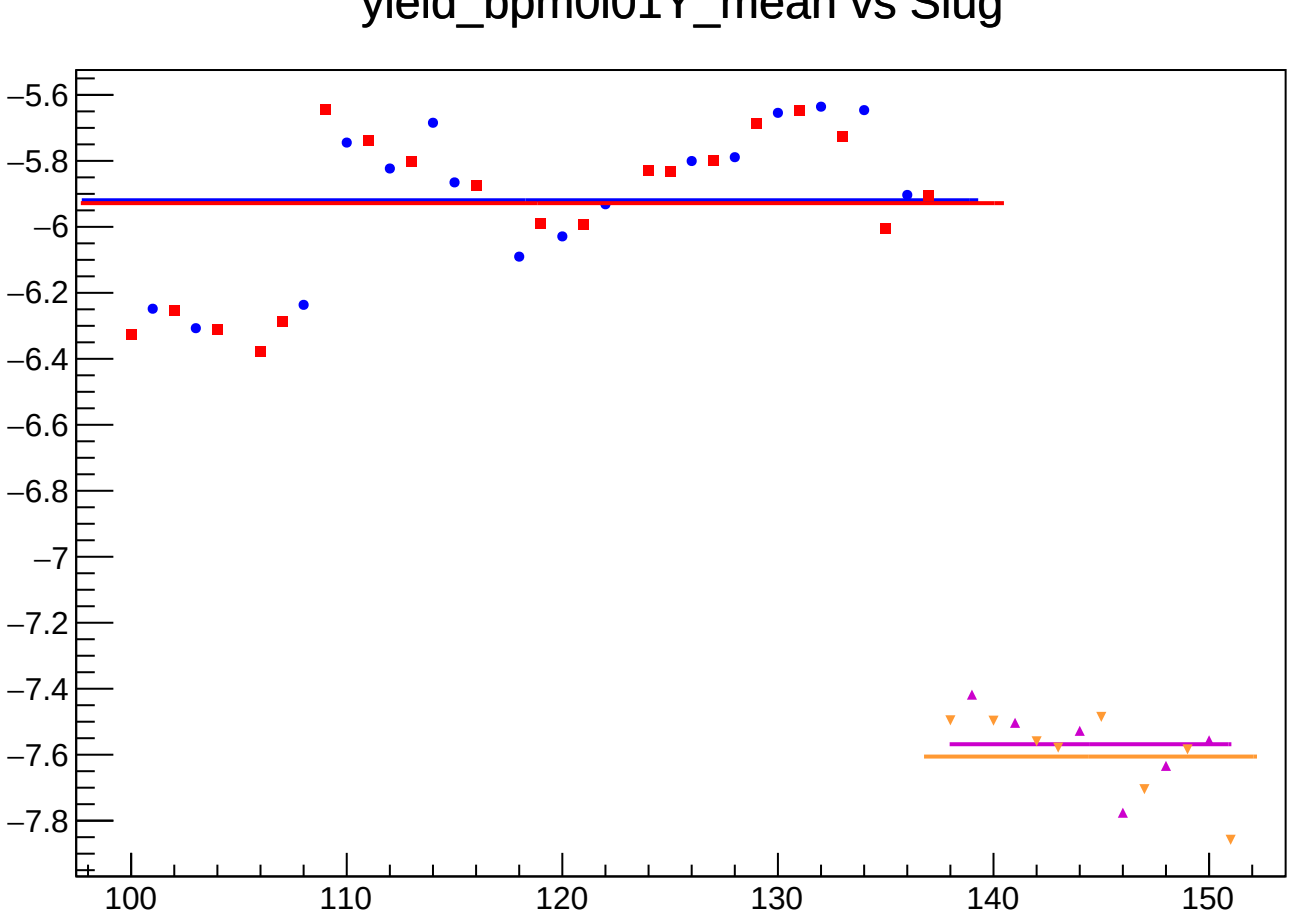
Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.006+/-0.000 χ^2/NDF:295689.2/5

+ sign 0.006+/-0.000 χ^2/NDF: 537574.7/23

All: 0.006+/-0.000 χ^2/NDF: 1109500.8/48

- sign 0.006+/-0.000 χ^2/NDF: 571091.1/24



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -7.606+/-0.000 χ^2/NDF:811925200.1/7

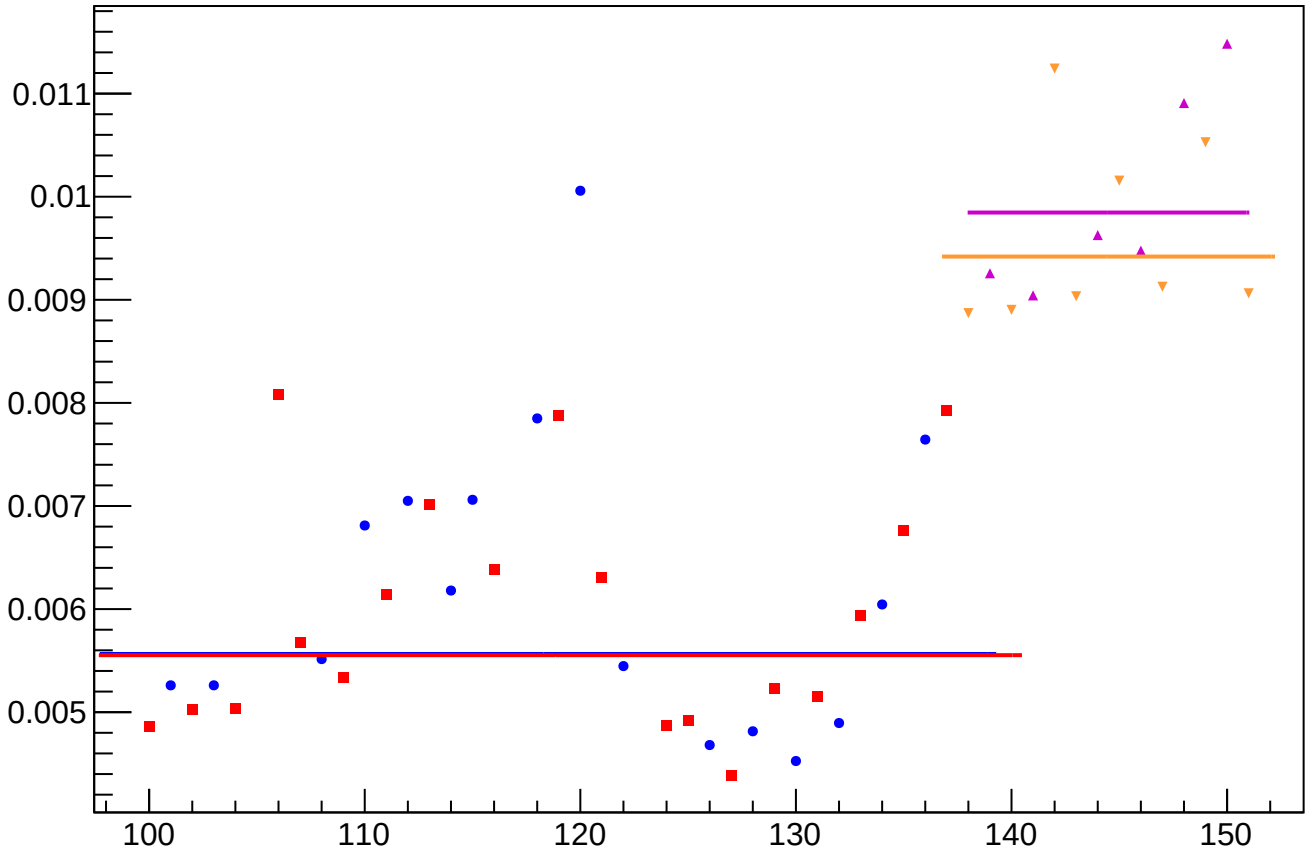
Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

Left In: -7.568+/-0.000 χ^2/NDF:526495091.2/5

+ sign -6.253+/-0.000 χ^2/NDF: 123870964175.2/23

All: -6.218+/-0.000 χ^2/NDF: 226019058004.5

- sign -6.184+/-0.000 χ^2/NDF: 101564113690.4/24



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:49021.7/7

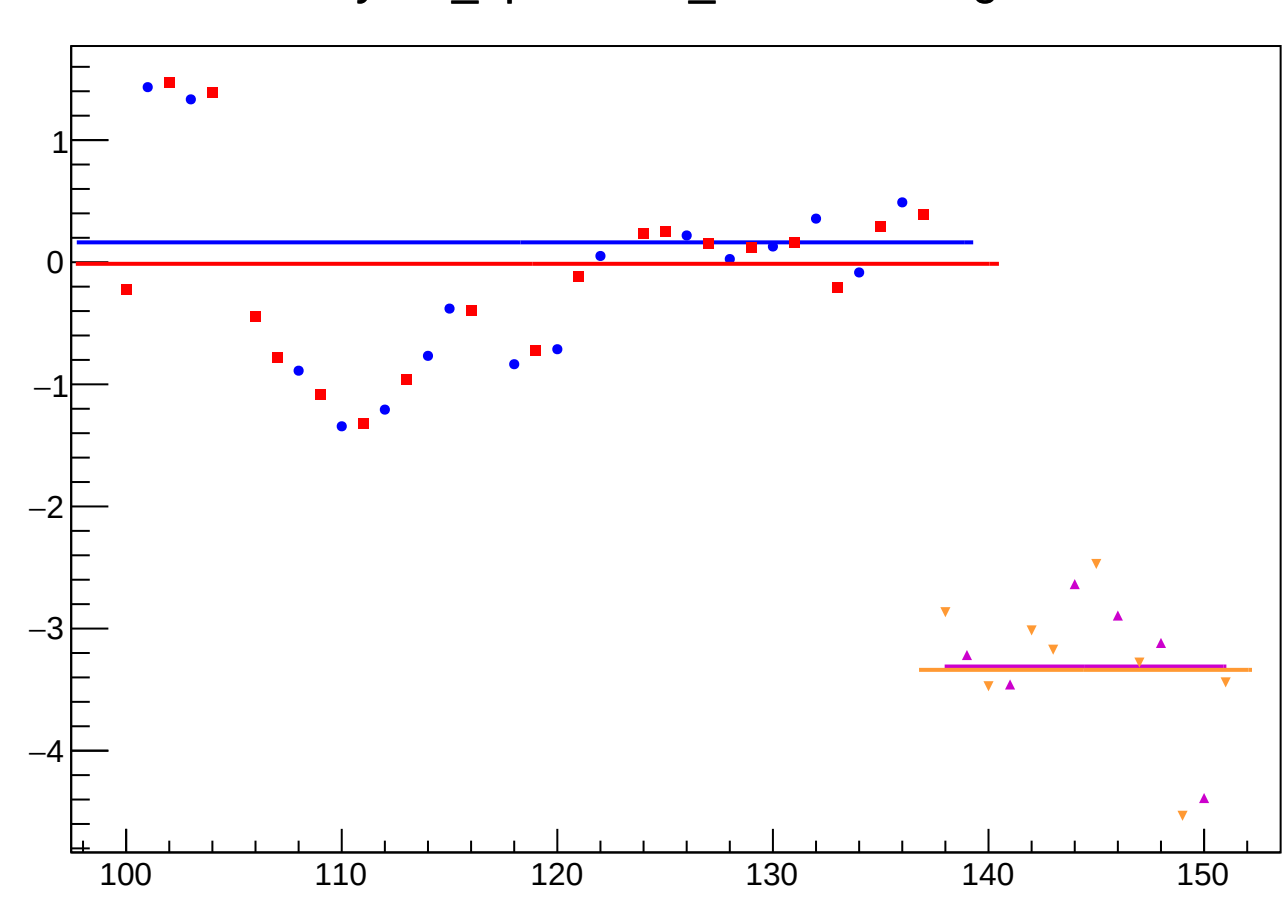
Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.010+/-0.000 χ^2/NDF:56352.1/5

+ sign 0.006+/-0.000 χ^2/NDF: 1708156.3/23

All: 0.006+/-0.000 χ^2/NDF: 3343046.7/48

- sign 0.006+/-0.000 χ^2/NDF: 1632252.7/24



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.338+/-0.000 χ^2/NDF:6196932535.6/7

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

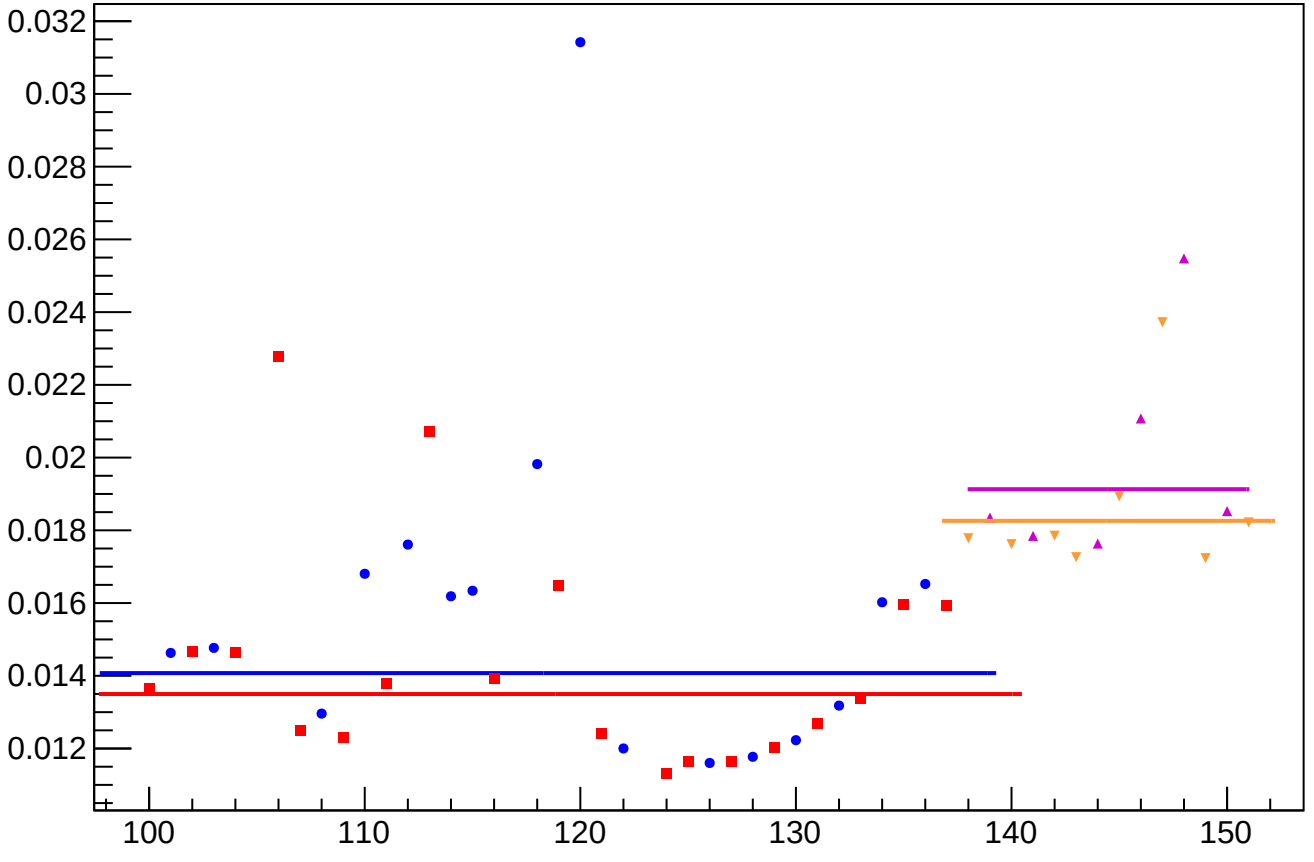
Left In: -3.311+/-0.000 χ^2/NDF:4518174156.1/5

+ sign -1.064+/-0.000 χ^2/NDF: 160789451198.4/23

All: -0.968+/-0.000 χ^2/NDF: 294276425562.8

- sign -0.874+/-0.000 χ^2/NDF: 132597143346.6/24

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:95681.4/7

Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

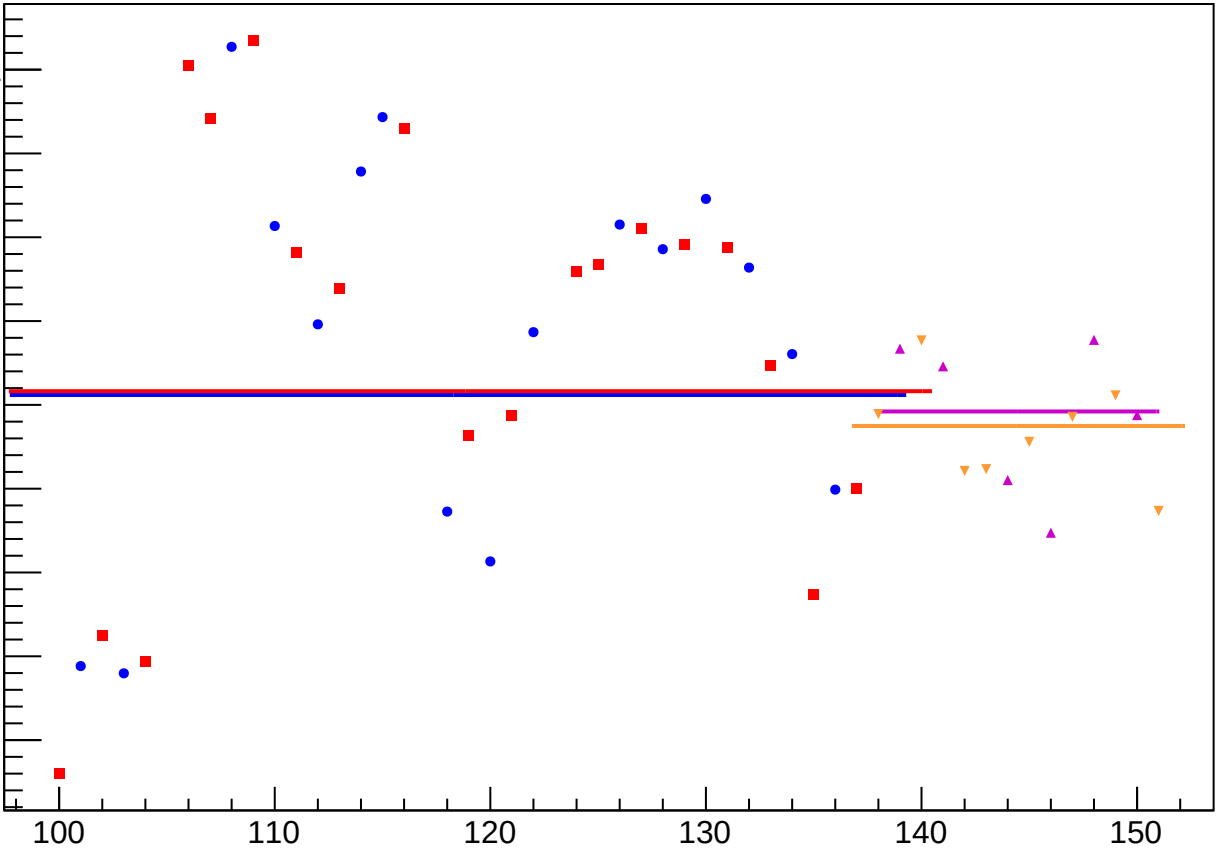
Left In: 0.019+/-0.000 χ^2/NDF:132257.5/5

+ sign 0.016+/-0.000 χ^2/NDF: 951971.1/23

All: 0.015+/-0.000 χ^2/NDF: 2031366.6/48

- sign 0.015+/-0.000 χ^2/NDF: 1063195.3/24

yield_bpm0l02Y_mean vs Slug



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 0.575+/-0.000 χ^2/NDF:276687290.4/7

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

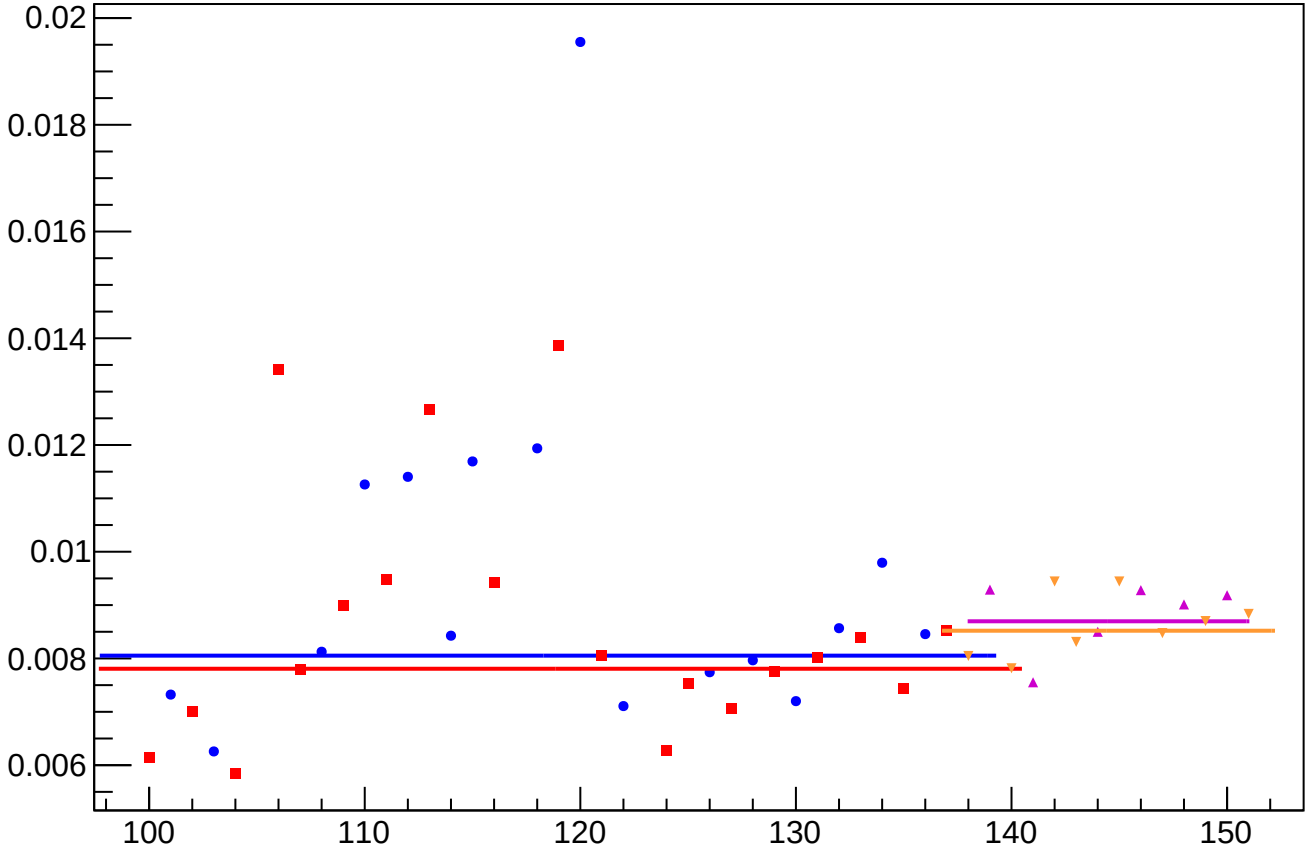
Left In: 0.592+/-0.000 χ^2/NDF:406846282.0/5

+ sign 0.596+/-0.000 χ^2/NDF: 5971593209.4/23

All: 0.602+/-0.000 χ^2/NDF: 12831887160.6/4

- sign 0.608+/-0.000 χ^2/NDF: 6848789723.9/24

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:39564.8/7

Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

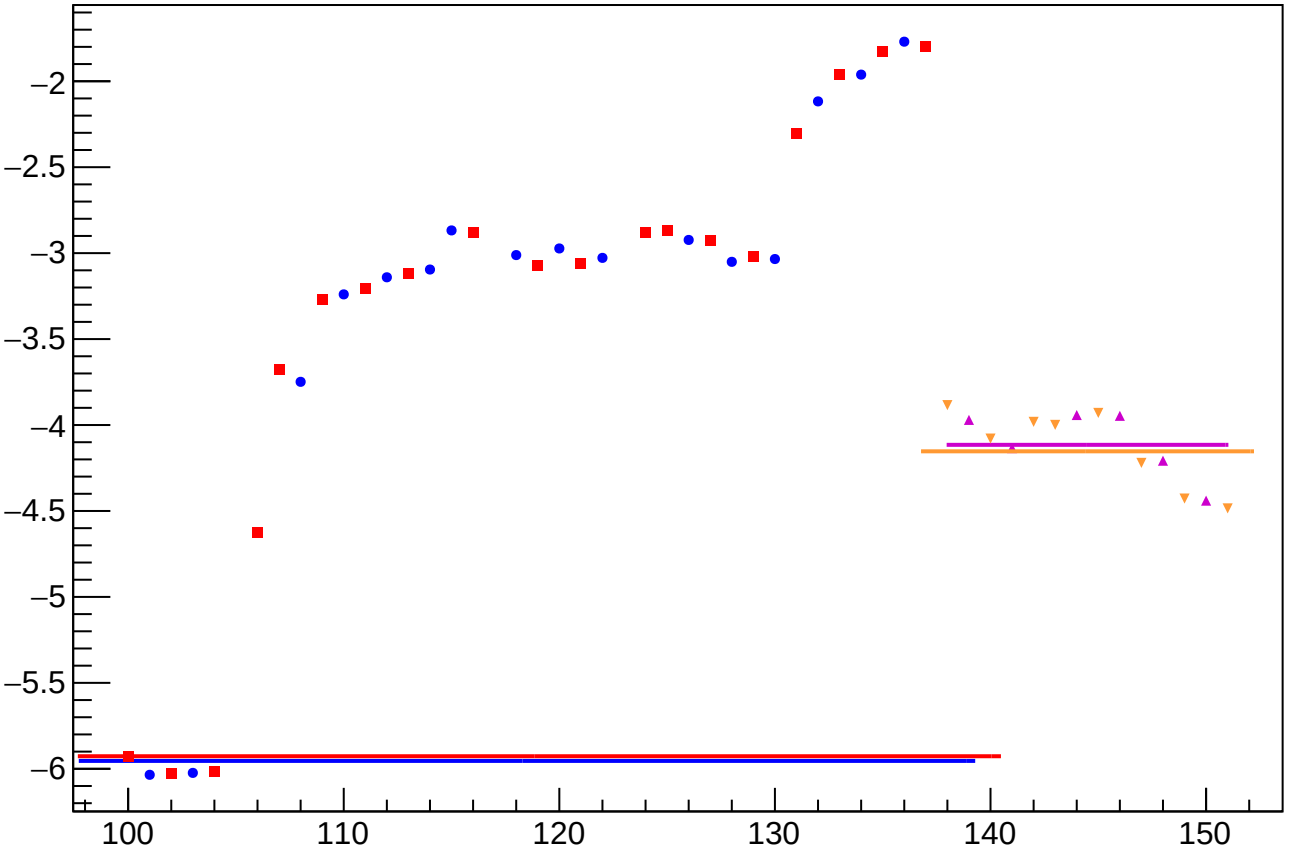
Left In: 0.009+/-0.000 χ^2/NDF:54592.6/5

+ sign 0.008+/-0.000 χ^2/NDF: 655749.2/23

All: 0.008+/-0.000 χ^2/NDF: 1360636.4/48

- sign 0.008+/-0.000 χ^2/NDF: 702316.2/24

yield_bpm0l03X_mean vs Slug



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

Left Out: -4.153+/-0.000 χ^2/NDF:49331014.1/7

Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

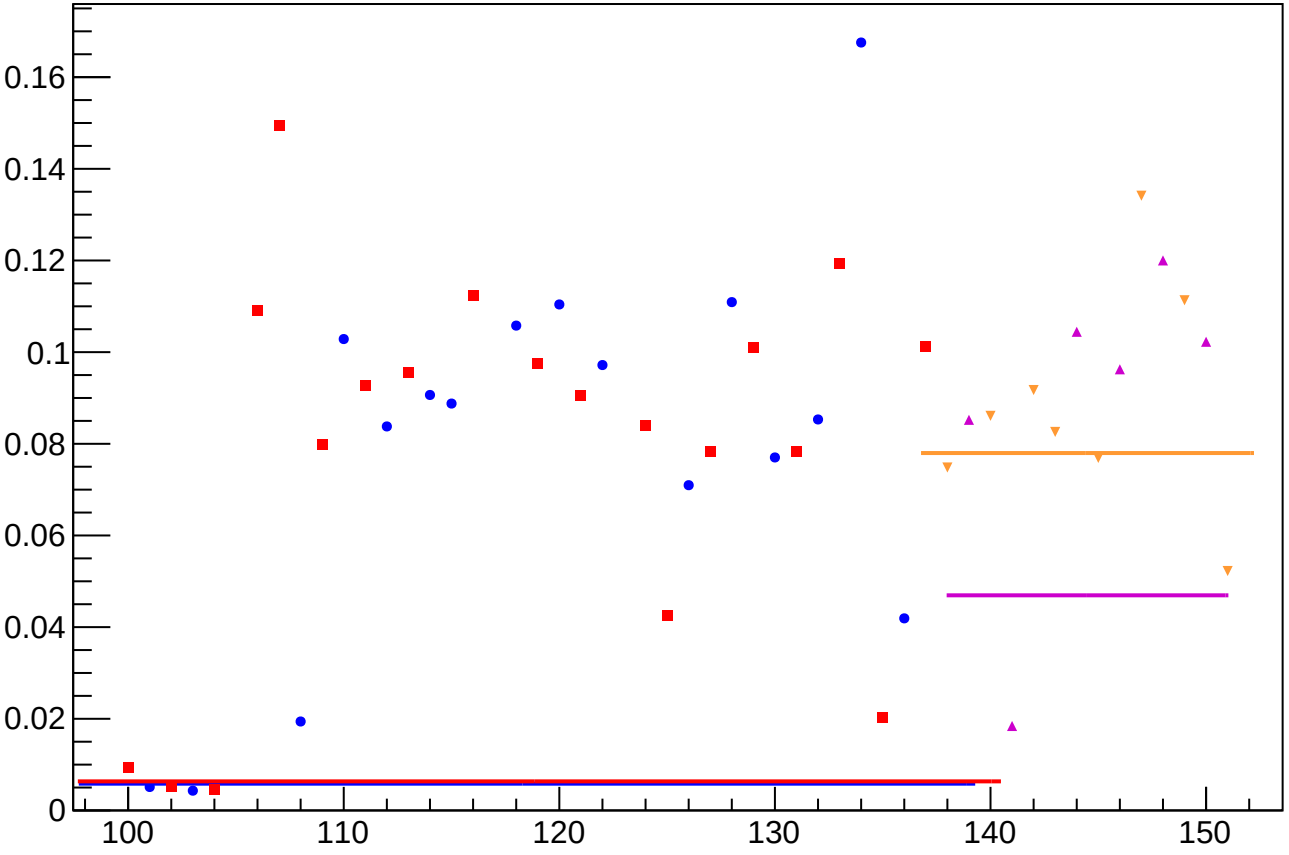
Left In: -4.115+/-0.000 χ^2/NDF:14584023.6/5

+ sign -5.925+/-0.000 χ^2/NDF: 15810862464.8/23

All: -5.906+/-0.000 χ^2/NDF: 33151826498.8/

- sign -5.883+/-0.000 χ^2/NDF: 17298427958.5/24

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 8700553.3/15

Left Out: 0.078+/-0.000 χ^2/NDF:721337.0/7

Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

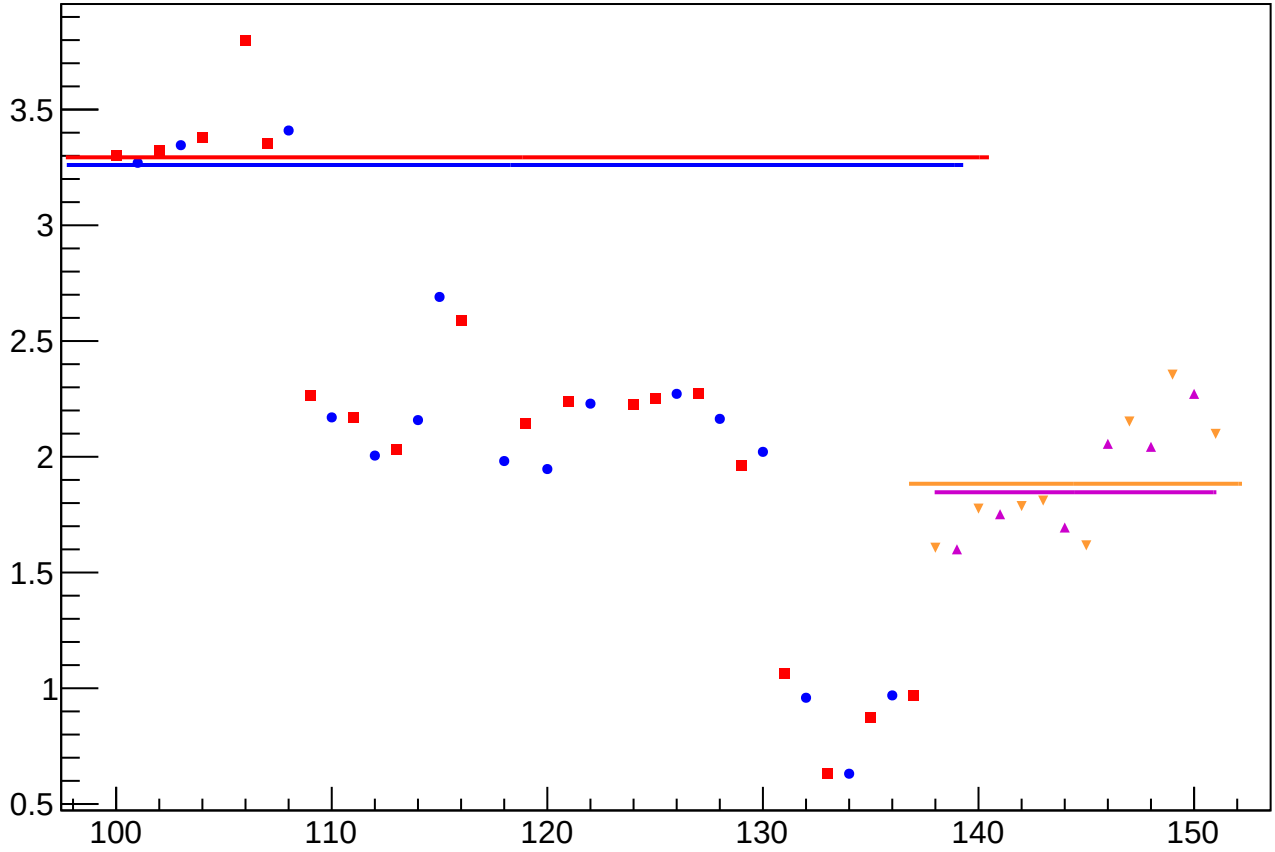
Left In: 0.047+/-0.000 χ^2/NDF:3239883.2/5

+ sign 0.007+/-0.000 χ^2/NDF: 17963574.1/23

All: 0.007+/-0.000 χ^2/NDF: 33335883.9/48

- sign 0.007+/-0.000 χ^2/NDF: 15366985.8/24

yield_bpm0l03Y_mean vs Slug



Right In: 3.260+/-0.000 χ^2/NDF: 3009624113.9/15

Left Out: 1.883+/-0.000 χ^2/NDF:40836950.9/7

Right Out: 3.294+/-0.000 χ^2/NDF: 3243748149.8/18

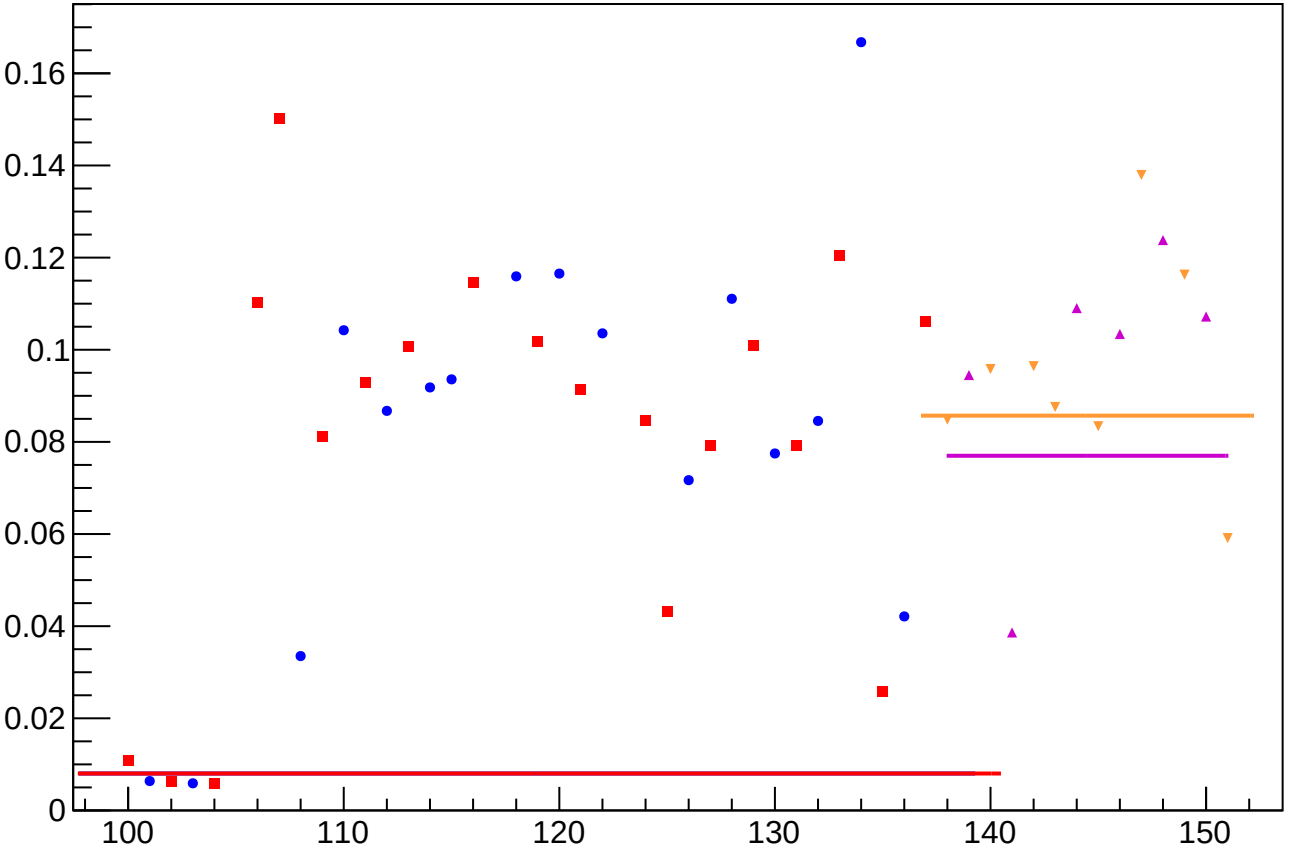
Left In: 1.847+/-0.000 χ^2/NDF:24928120.7/5

+ sign 3.230+/-0.000 χ^2/NDF: 4362283721.8/23

All: 3.247+/-0.000 χ^2/NDF: 8840380814.2/48

- sign 3.266+/-0.000 χ^2/NDF: 4458425202.4/24

yield_bpm0l03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 8415681.1/15

Left Out: 0.086+/-0.000 χ^2/NDF:594511.3/7

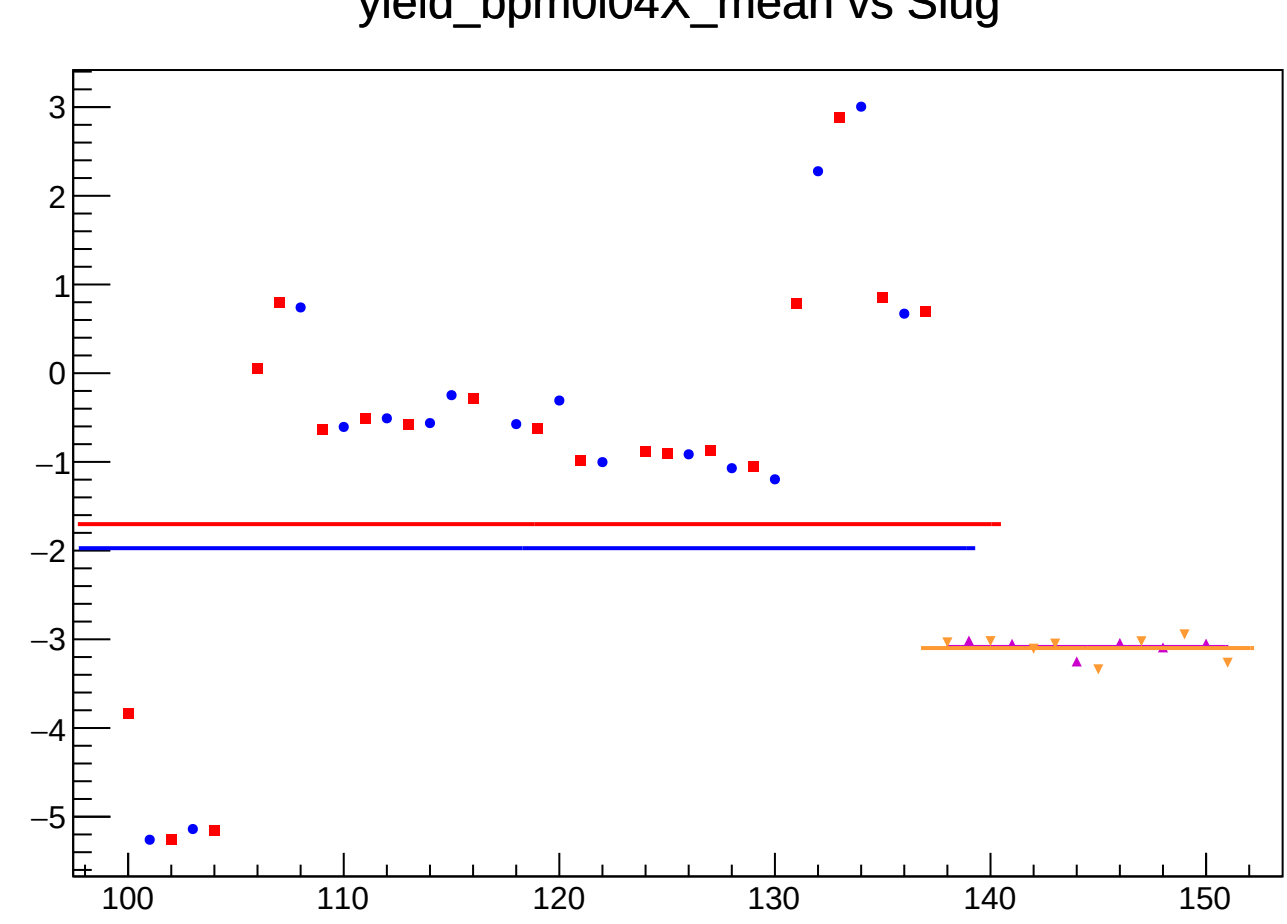
Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

Left In: 0.077+/-0.000 χ^2/NDF:1353010.9/5

+ sign 0.010+/-0.000 χ^2/NDF: 17357170.7/23

All: 0.010+/-0.000 χ^2/NDF: 32663535.5/48

- sign 0.009+/-0.000 χ^2/NDF: 15301542.9/24



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -3.099+/-0.000 χ^2/NDF:1531798291.0/7

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

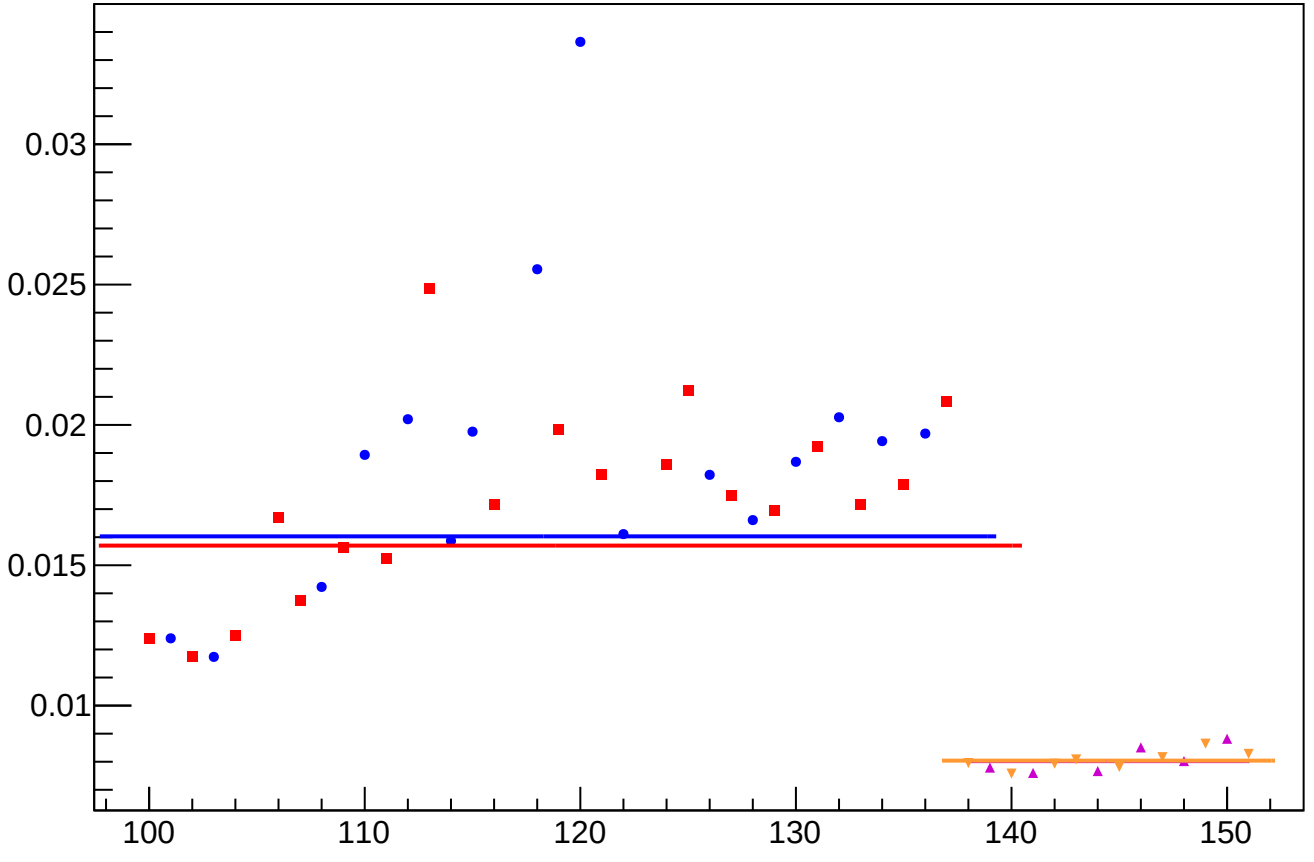
Left In: -3.086+/-0.000 χ^2/NDF:522469992.3/5

+ sign -2.875+/-0.000 χ^2/NDF: 186524346099.0/23

All: -2.812+/-0.000 χ^2/NDF: 393394962131.5

- sign -2.743+/-0.000 χ^2/NDF: 205916191539.9/24

yield_bpm0l04X_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 735736.8/15

Left Out: 0.008+/-0.000 χ^2/NDF:17291.8/7

Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

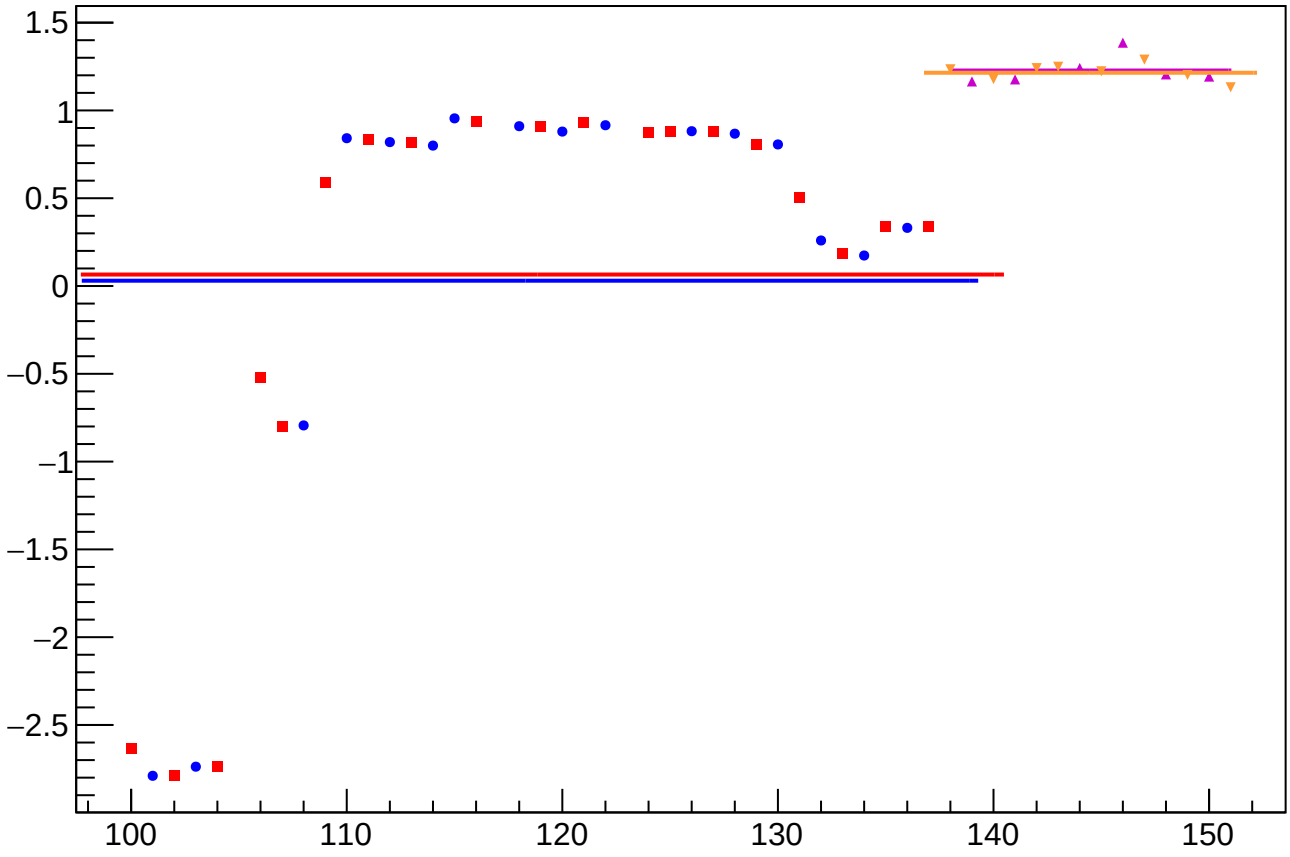
Left In: 0.008+/-0.000 χ^2/NDF:30123.8/5

+ sign 0.010+/-0.000 χ^2/NDF: 3071994.0/23

All: 0.010+/-0.000 χ^2/NDF: 5907984.8/48

- sign 0.010+/-0.000 χ^2/NDF: 2826111.2/24

yield_bpm0l04Y_mean vs Slug



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 1.215+/-0.000 χ^2/NDF:188299195.8/7

Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

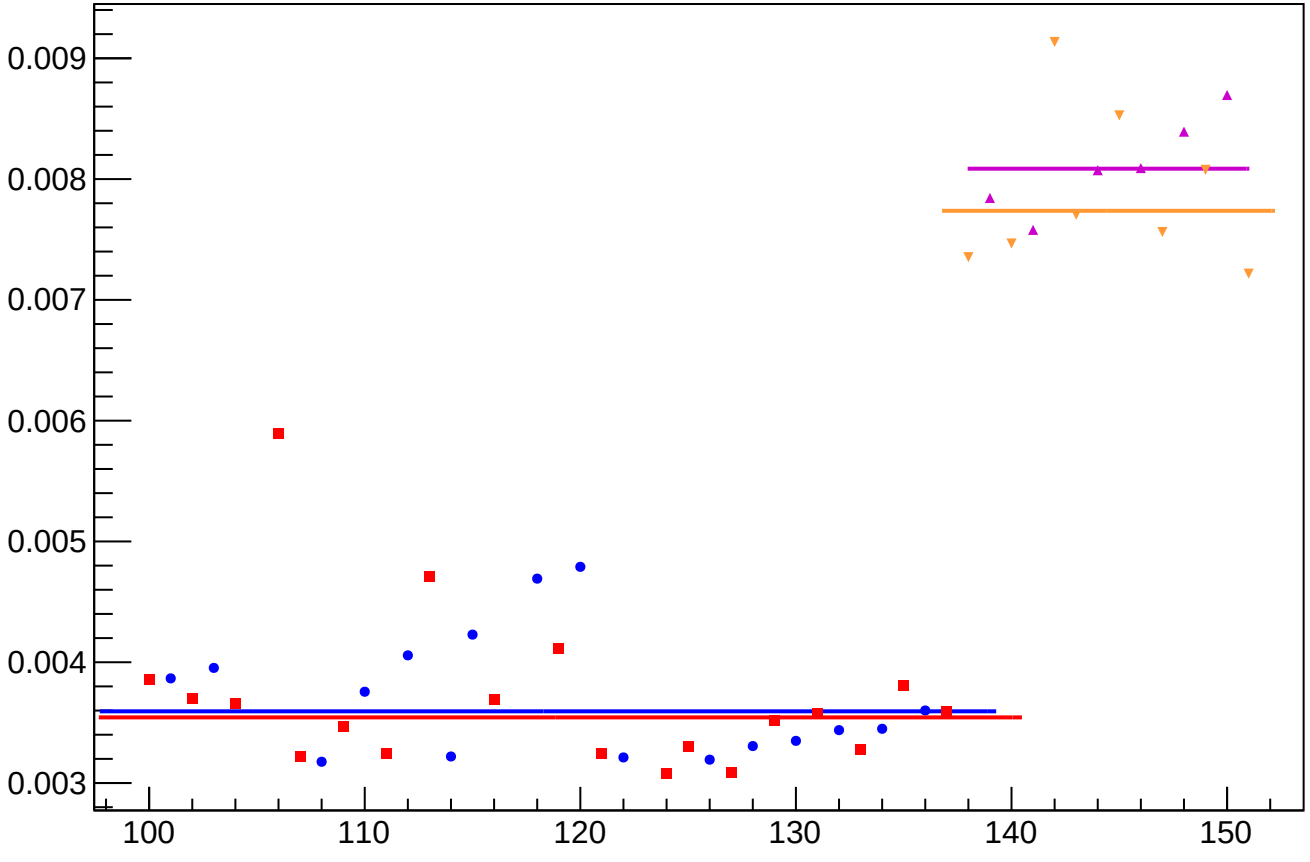
Left In: 1.227+/-0.000 χ^2/NDF:356249713.7/5

+ sign 0.189+/-0.000 χ^2/NDF: 949641806113.6/23

All: 0.187+/-0.000 χ^2/NDF: 1963388378928.

- sign 0.185+/-0.000 χ^2/NDF: 1013742668913.4/24

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 180415.0/15

Left Out: 0.008+/-0.000 χ^2/NDF:42847.7/7

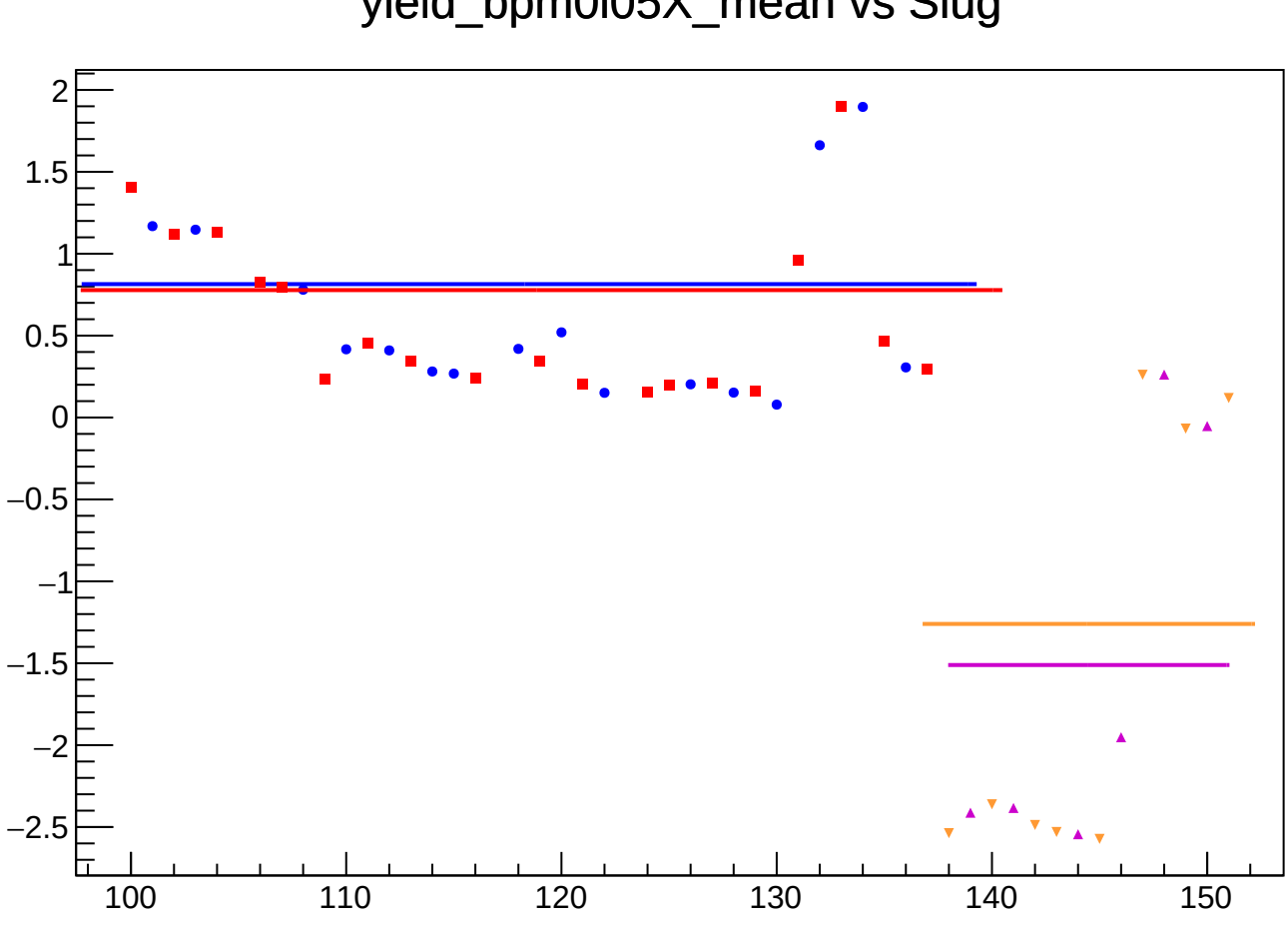
Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.008+/-0.000 χ^2/NDF:16549.5/5

+ sign 0.004+/-0.000 χ^2/NDF: 2616918.6/23

All: 0.004+/-0.000 χ^2/NDF: 5250970.4/48

- sign 0.004+/-0.000 χ^2/NDF: 2622670.9/24



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -1.260+/-0.000 χ^2/NDF:186163090718.9/7

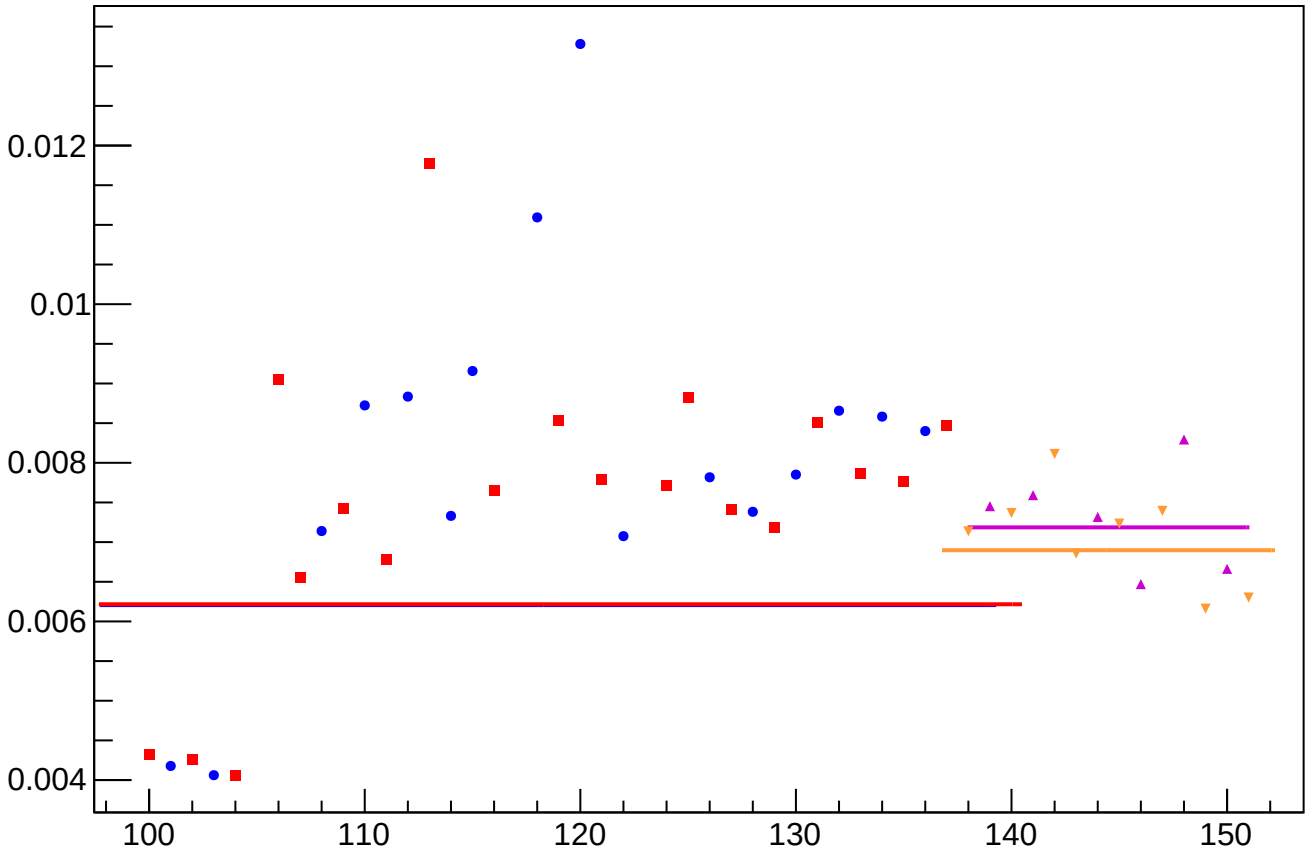
Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

Left In: -1.511+/-0.000 χ^2/NDF:112566689601.5/5

+ sign -0.086+/-0.000 χ^2/NDF: 491227476454.8/23

All: -0.069+/-0.000 χ^2/NDF: 933190640157.9

- sign -0.050+/-0.000 χ^2/NDF: 441799696333.3/24



Right In: 0.006+/-0.000 χ^2/NDF: 1423886.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:68611.3/7

Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

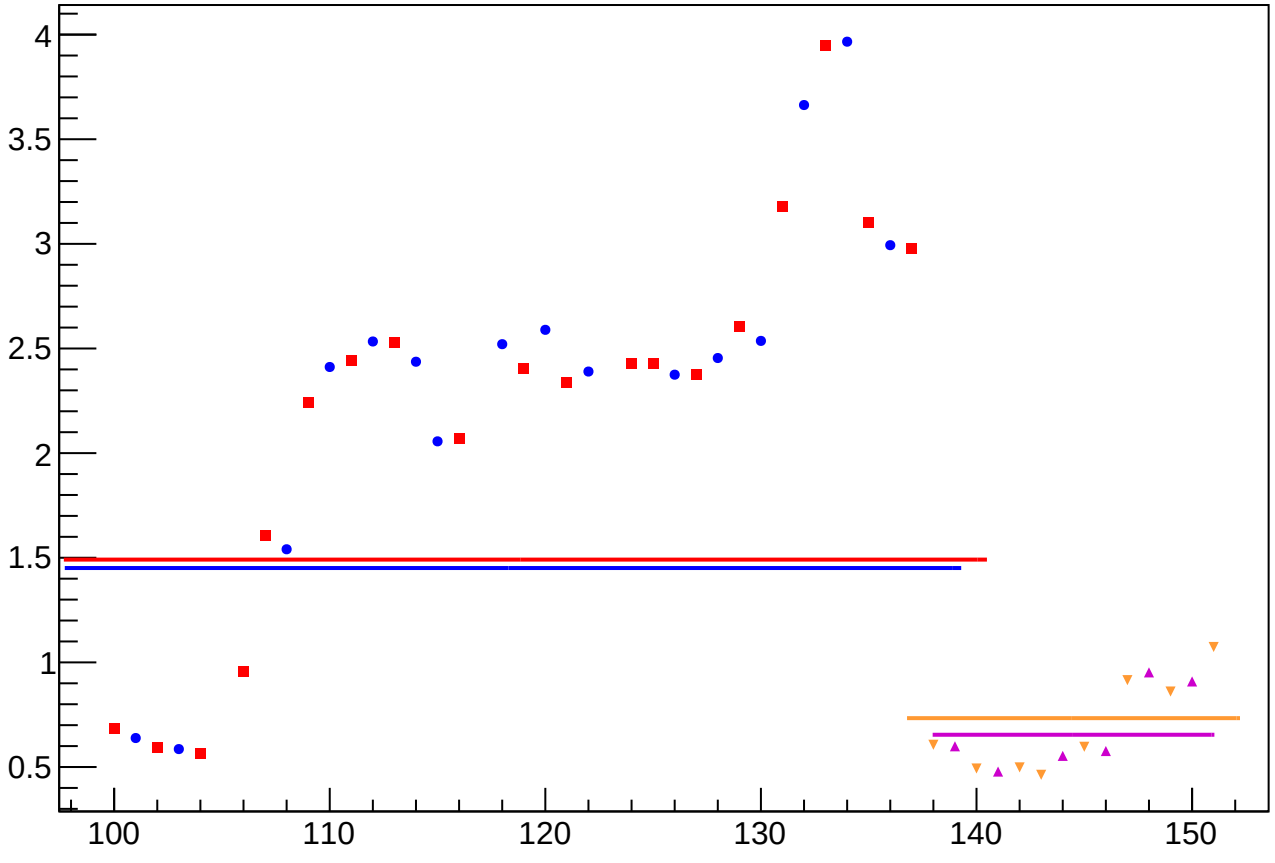
Left In: 0.007+/-0.000 χ^2/NDF:63105.1/5

+ sign 0.007+/-0.000 χ^2/NDF: 1552457.4/23

All: 0.007+/-0.000 χ^2/NDF: 2883322.0/48

- sign 0.007+/-0.000 χ^2/NDF: 1329945.7/24

yield_bpm0l05Y_mean vs Slug



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 0.734+/-0.000 χ^2/NDF:5708413397.4/7

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

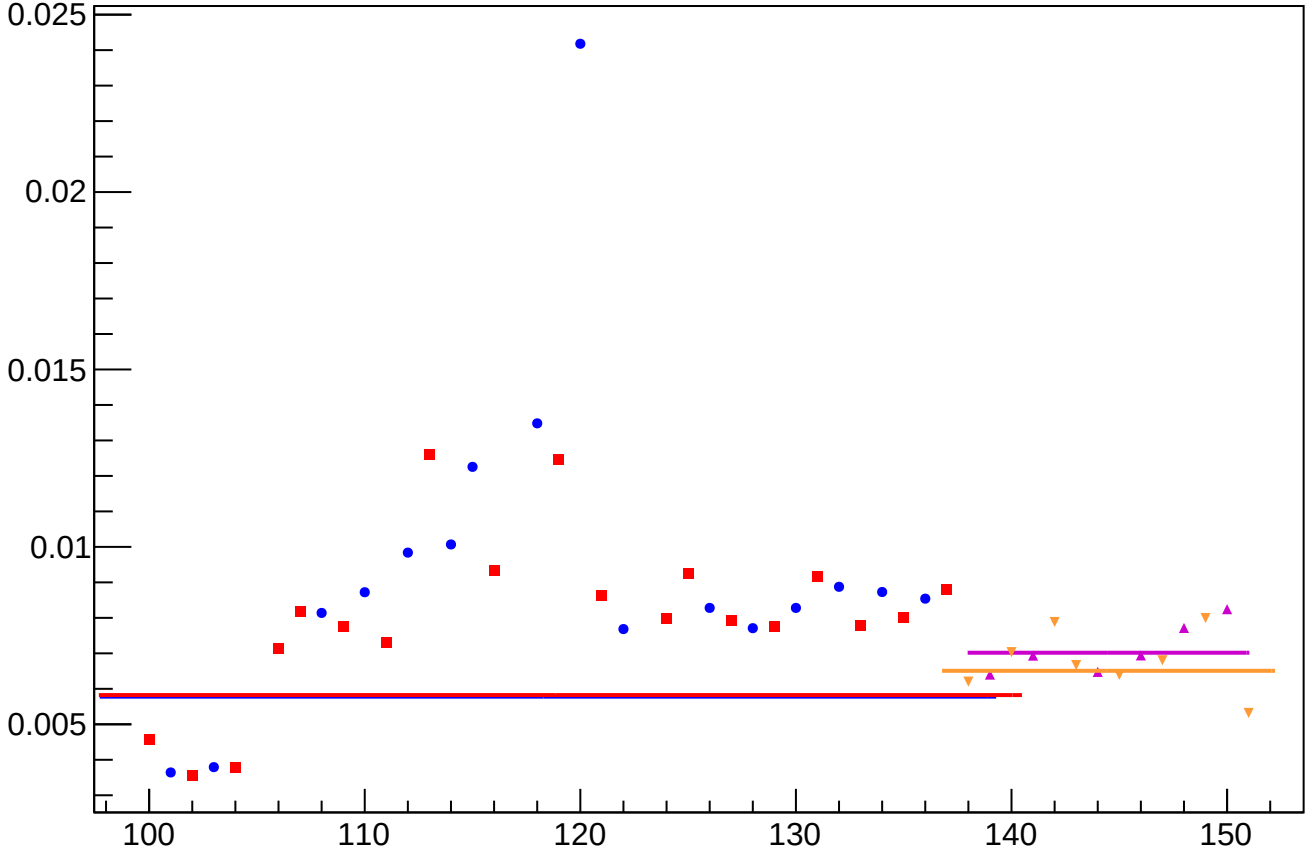
Left In: 0.654+/-0.000 χ^2/NDF:2333950166.5/5

+ sign 1.154+/-0.000 χ^2/NDF: 207235070925.2/23

All: 1.184+/-0.000 χ^2/NDF: 434193425369.7

- sign 1.216+/-0.000 χ^2/NDF: 226488855999.4/24

yield_bpm0l05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 2213885.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:140526.9/7

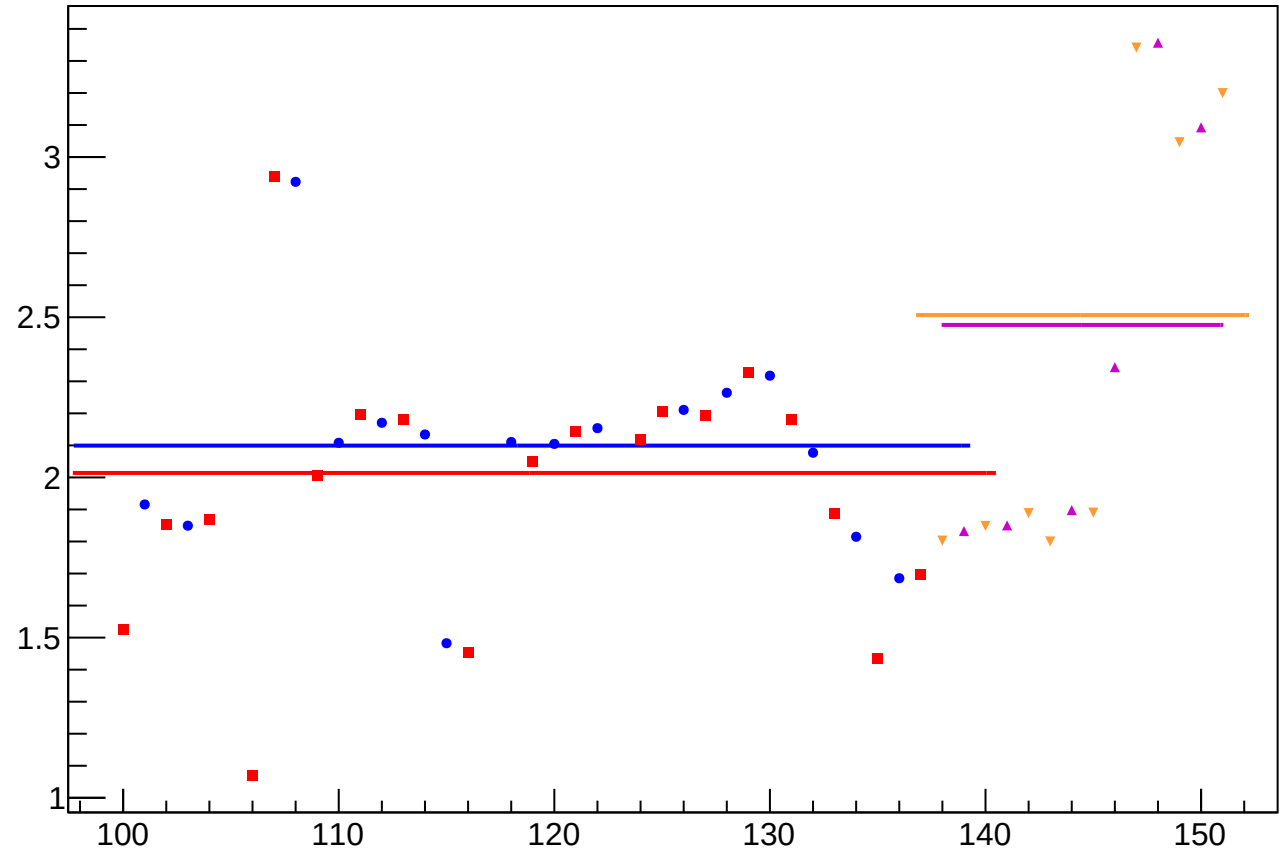
Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.007+/-0.000 χ^2/NDF:61983.7/5

+ sign 0.006+/-0.000 χ^2/NDF: 2419948.2/23

All: 0.006+/-0.000 χ^2/NDF: 4593514.7/48

- sign 0.006+/-0.000 χ^2/NDF: 2169030.3/24



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 2.507+/-0.000 χ^2/NDF:38225478327.7/7

Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

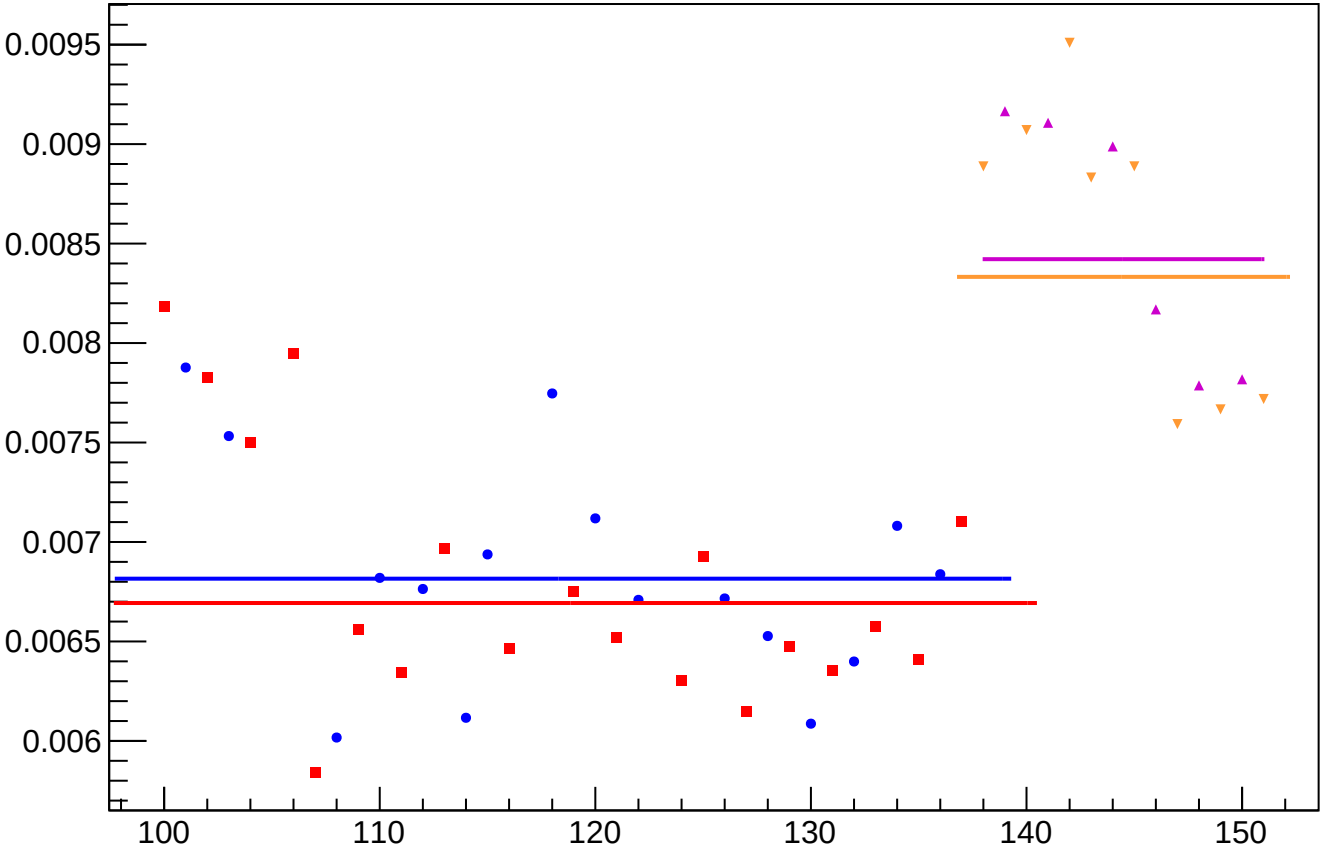
Left In: 2.476+/-0.000 χ^2/NDF:26975847513.0/5

+ sign 2.245+/-0.000 χ^2/NDF: 60890046310.9/23

All: 2.200+/-0.000 χ^2/NDF: 118751873040.9

- sign 2.154+/-0.000 χ^2/NDF: 56913865737.5/24

yield_bpm0l06X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 86781.0/15

Left Out: 0.008+/-0.000 χ^2/NDF:75279.6/7

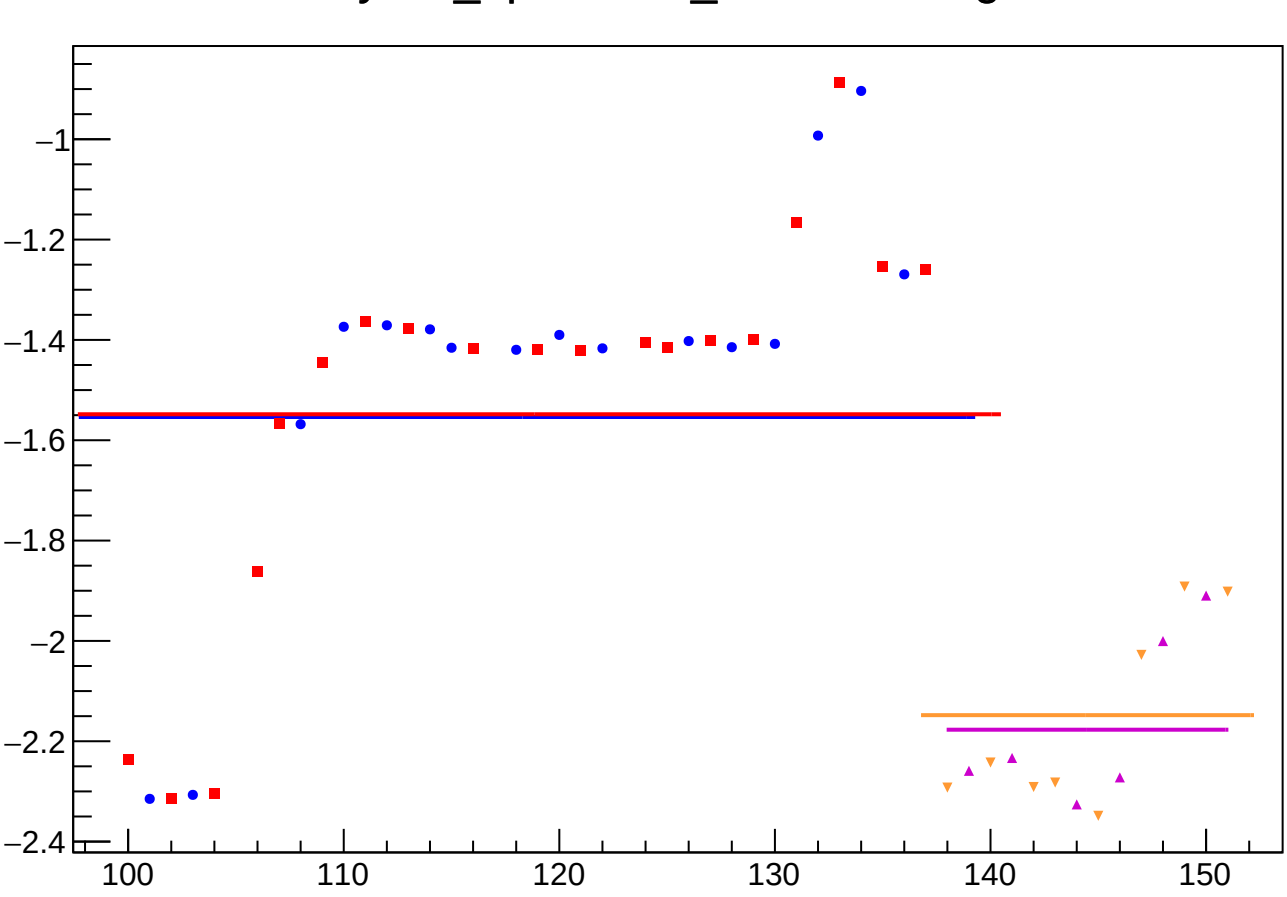
Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.008+/-0.000 χ^2/NDF:48768.0/5

+ sign 0.007+/-0.000 χ^2/NDF: 404203.7/23

All: 0.007+/-0.000 χ^2/NDF: 834362.2/48

- sign 0.007+/-0.000 χ^2/NDF: 425613.8/24



Right In: -1.554+/-0.000 χ^2/NDF: 175176621986.0/15

Left Out: -2.148+/-0.000 χ^2/NDF:16721699371.7/7

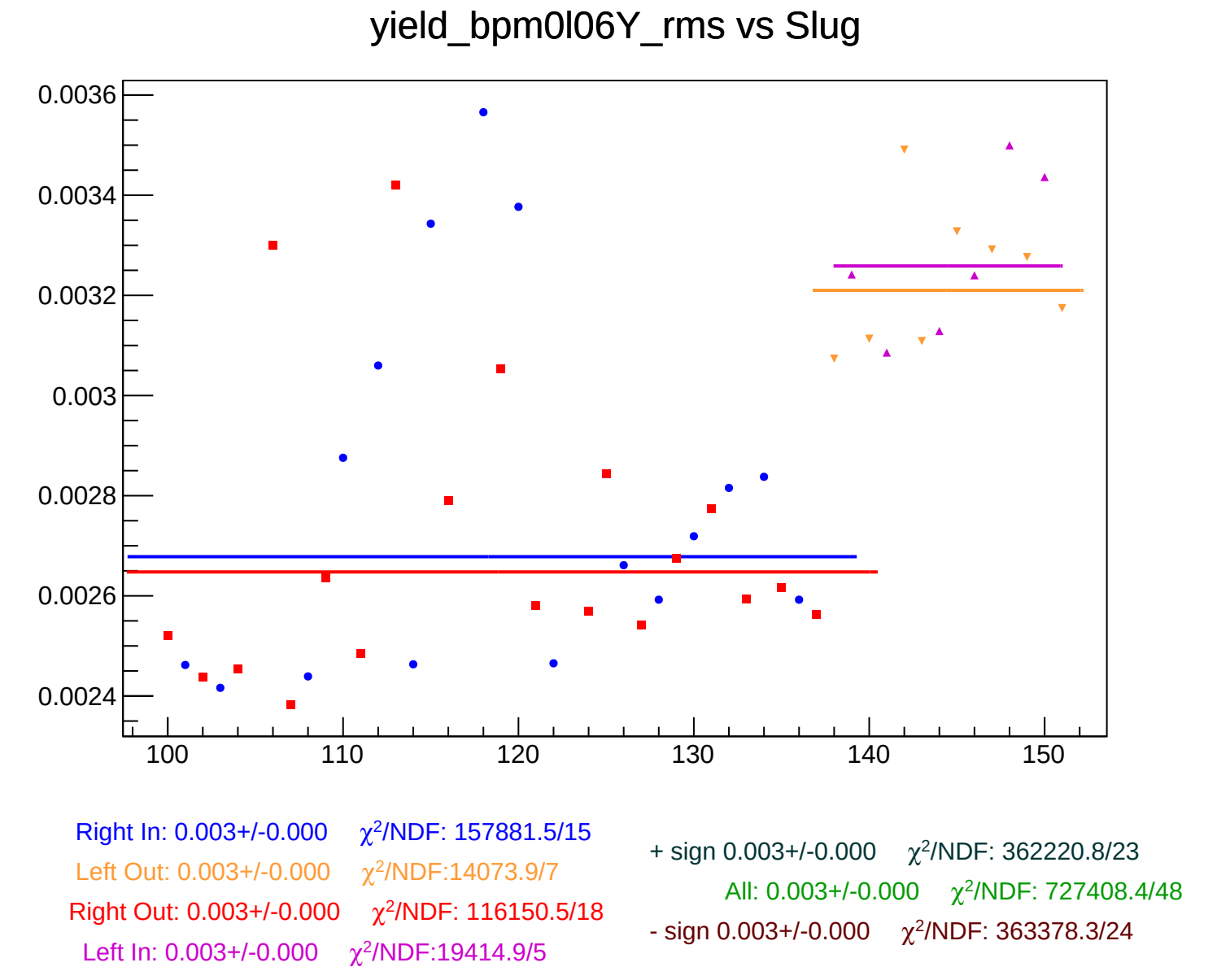
Right Out: -1.548+/-0.000 χ^2/NDF: 174743666302.8/18

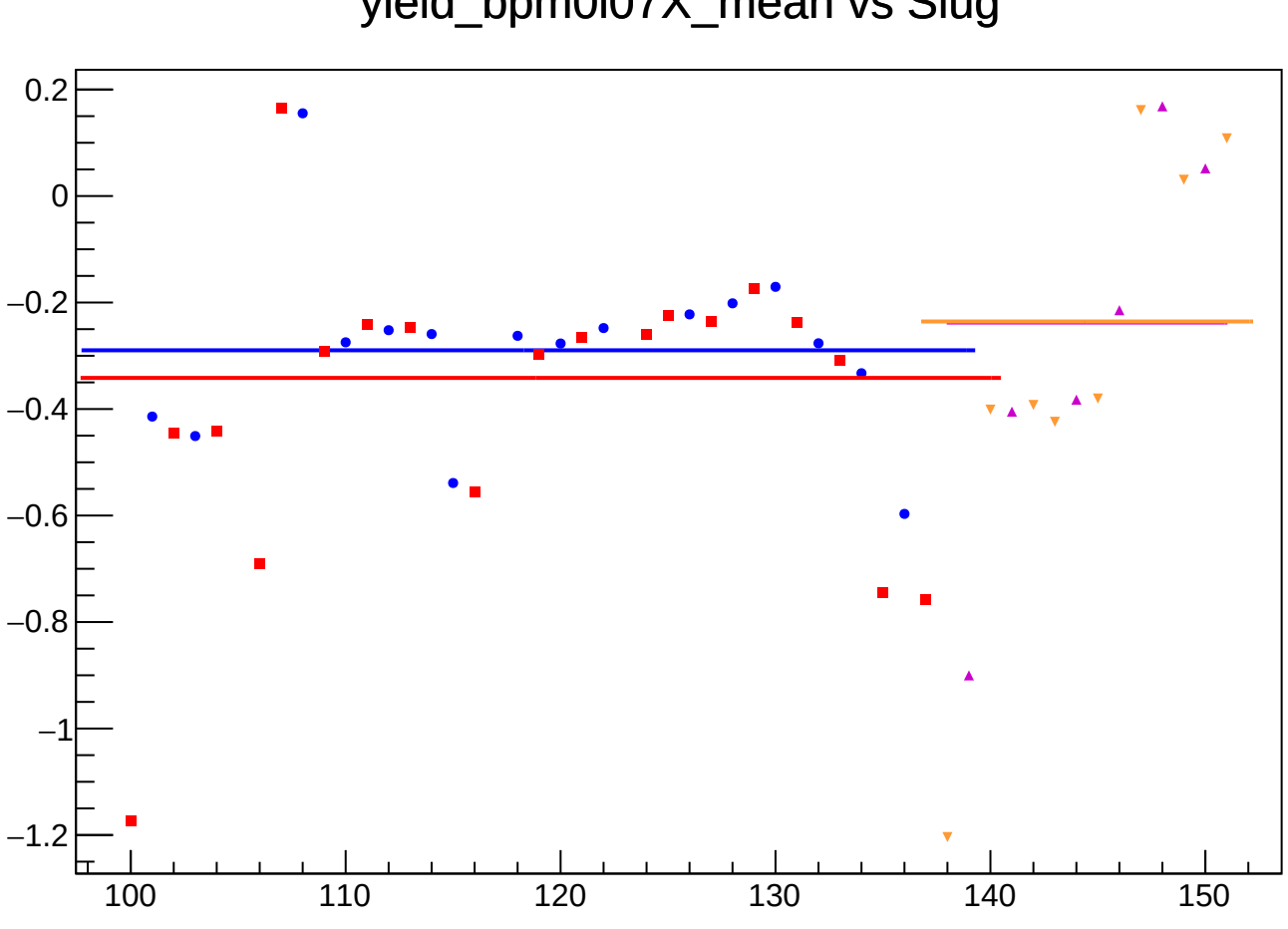
Left In: -2.177+/-0.000 χ^2/NDF:10061350047.7/5

+ sign -1.767+/-0.000 χ^2/NDF: 310680770961.0/23

All: -1.754+/-0.000 χ^2/NDF: 616610474869.0

- sign -1.740+/-0.000 χ^2/NDF: 305388500487.7/24


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
Right In: 0.003+/-0.000 χ²/NDF: 157881.5/15
Left Out: 0.003+/-0.000 χ²/NDF:14073.9/7
Right Out: 0.003+/-0.000 χ²/NDF: 116150.5/18
Left In: 0.003+/-0.000 χ²/NDF:19414.9/5
+ sign 0.003+/-0.000 χ²/NDF: 362220.8/23
All: 0.003+/-0.000 χ²/NDF: 727408.4/48
- sign 0.003+/-0.000 χ²/NDF: 363378.3/24



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.236+/-0.000 χ^2/NDF:5031722916.7/7

Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

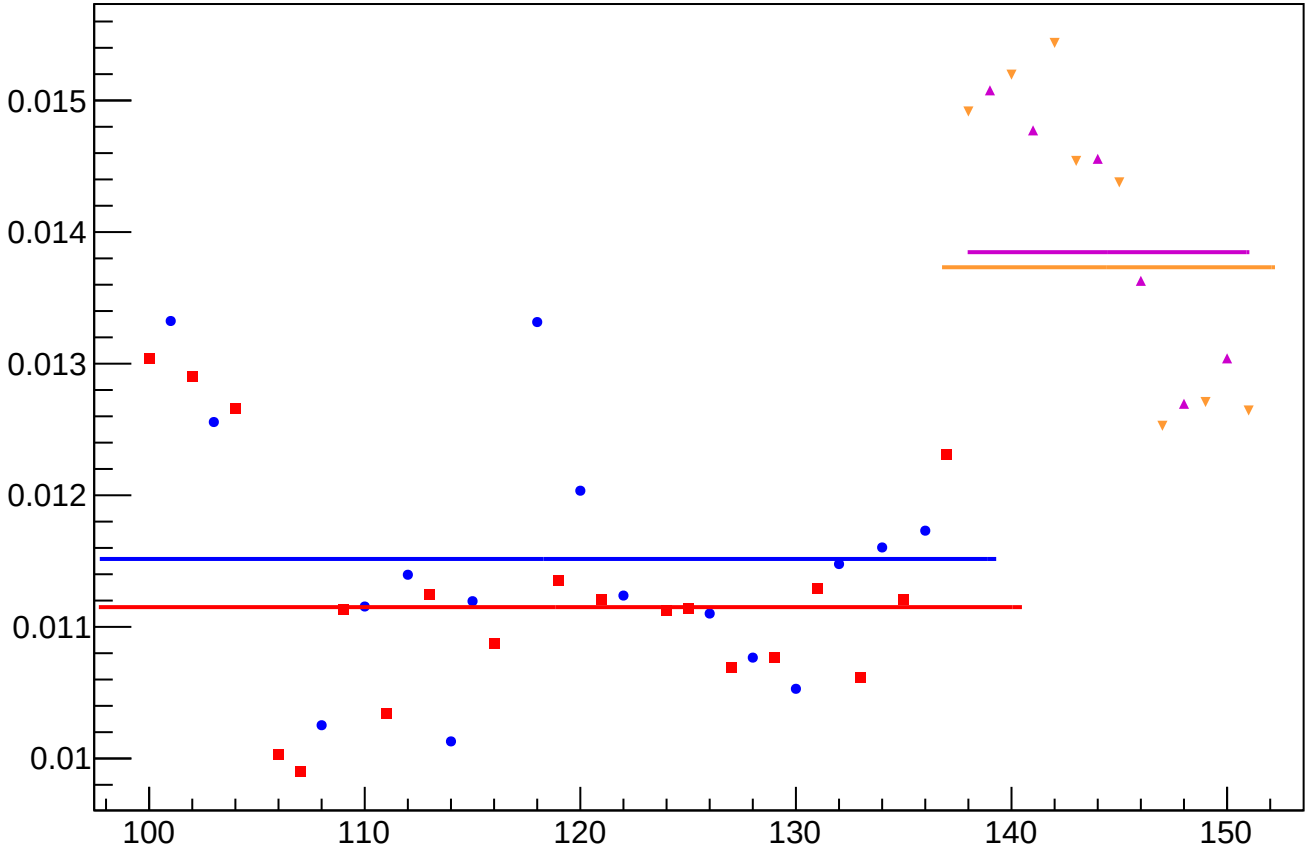
Left In: -0.238+/-0.000 χ^2/NDF:2952167222.5/5

+ sign -0.270+/-0.000 χ^2/NDF: 6733020023.2/23

All: -0.290+/-0.000 χ^2/NDF: 12553138754.9/

- sign -0.310+/-0.000 χ^2/NDF: 5753167847.4/24

yield_bpm0l07X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 84278.9/15

Left Out: 0.014+/-0.000 χ^2/NDF:77310.9/7

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

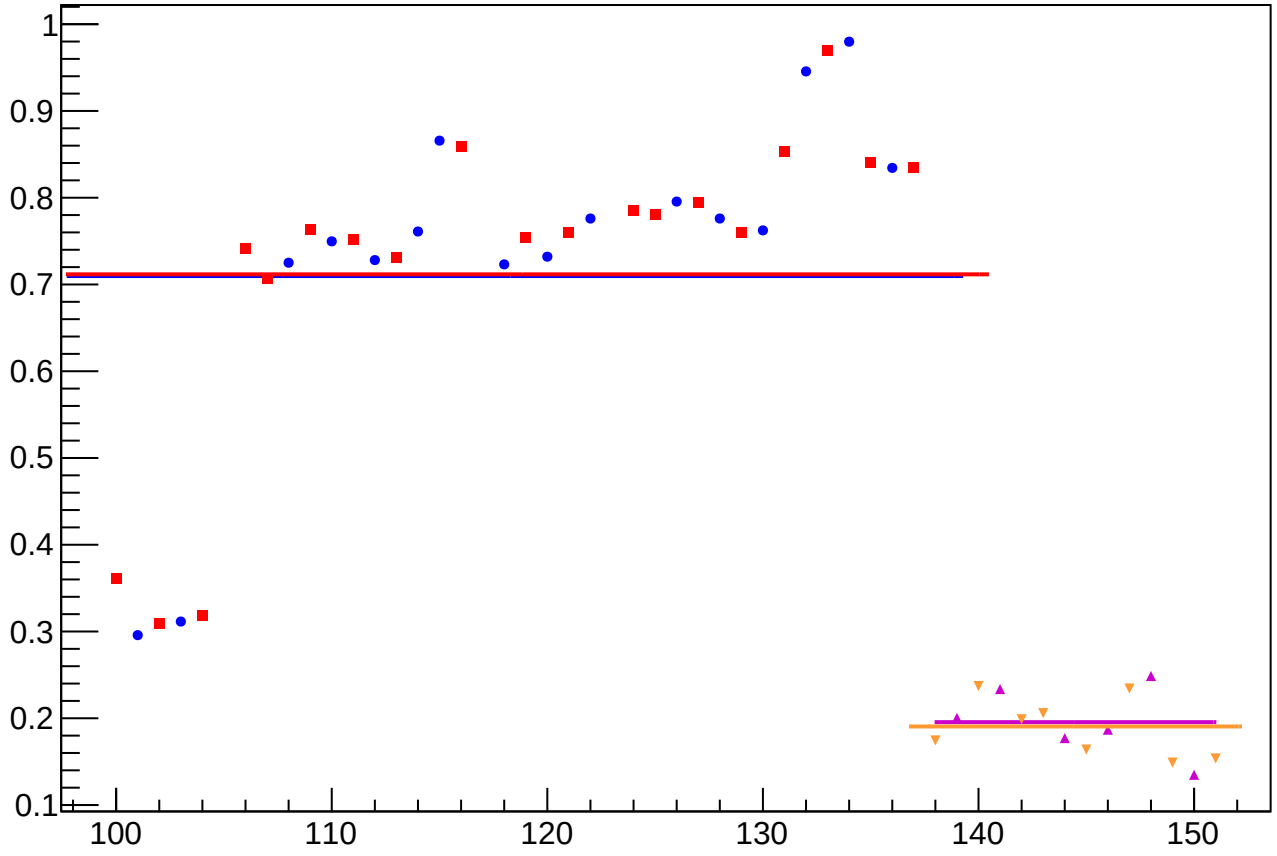
Left In: 0.014+/-0.000 χ^2/NDF:40871.4/5

+ sign 0.012+/-0.000 χ^2/NDF: 349884.2/23

All: 0.012+/-0.000 χ^2/NDF: 730151.5/48

- sign 0.012+/-0.000 χ^2/NDF: 369426.2/24

yield_bpm0l07Y_mean vs Slug



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.191+/-0.000 χ^2/NDF:1512795148.0/7

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

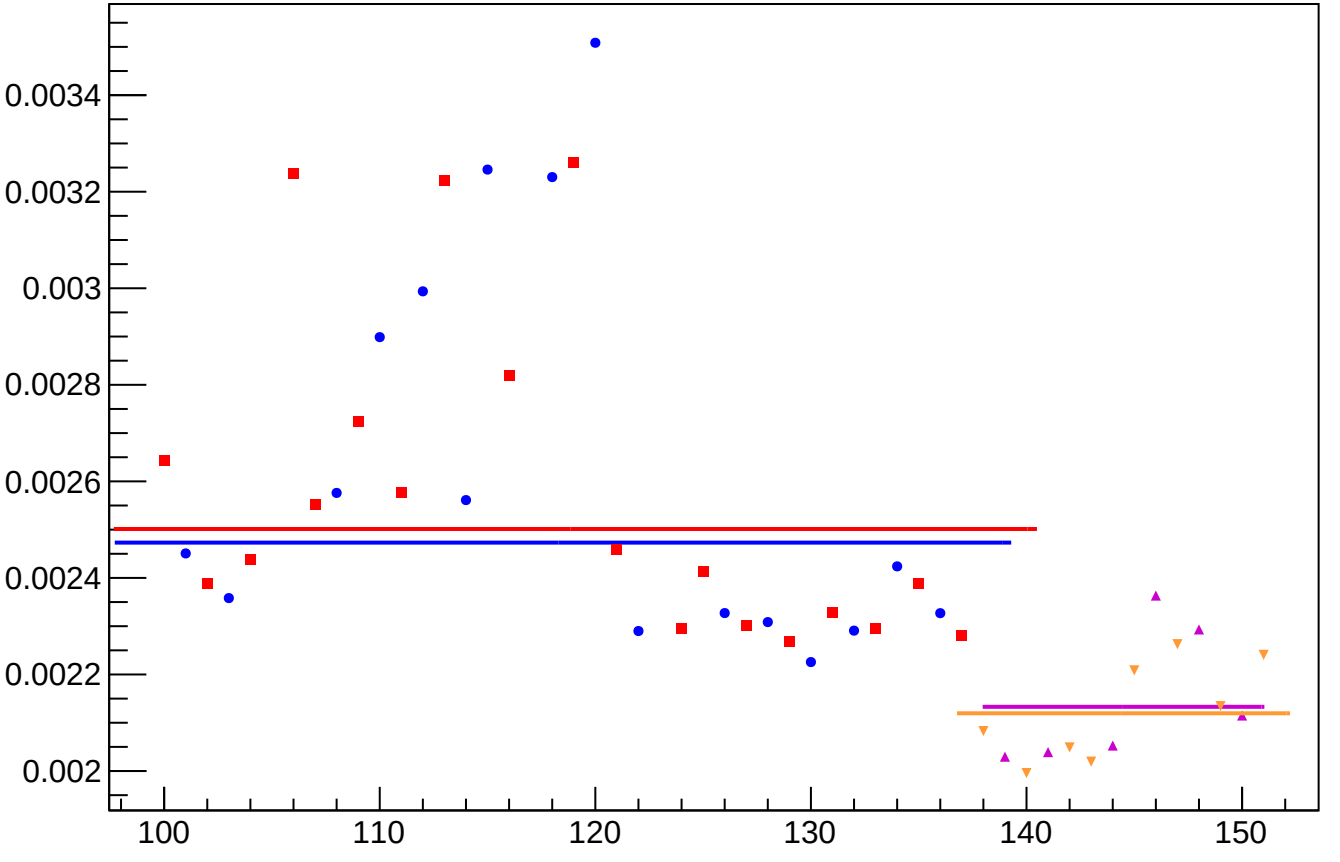
Left In: 0.196+/-0.000 χ^2/NDF:1571479312.9/5

+ sign 0.425+/-0.000 χ^2/NDF: 215429848066.2/23

All: 0.438+/-0.000 χ^2/NDF: 412872540132.7

- sign 0.452+/-0.000 χ^2/NDF: 196574713708.1/24

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:25915.1/7

Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

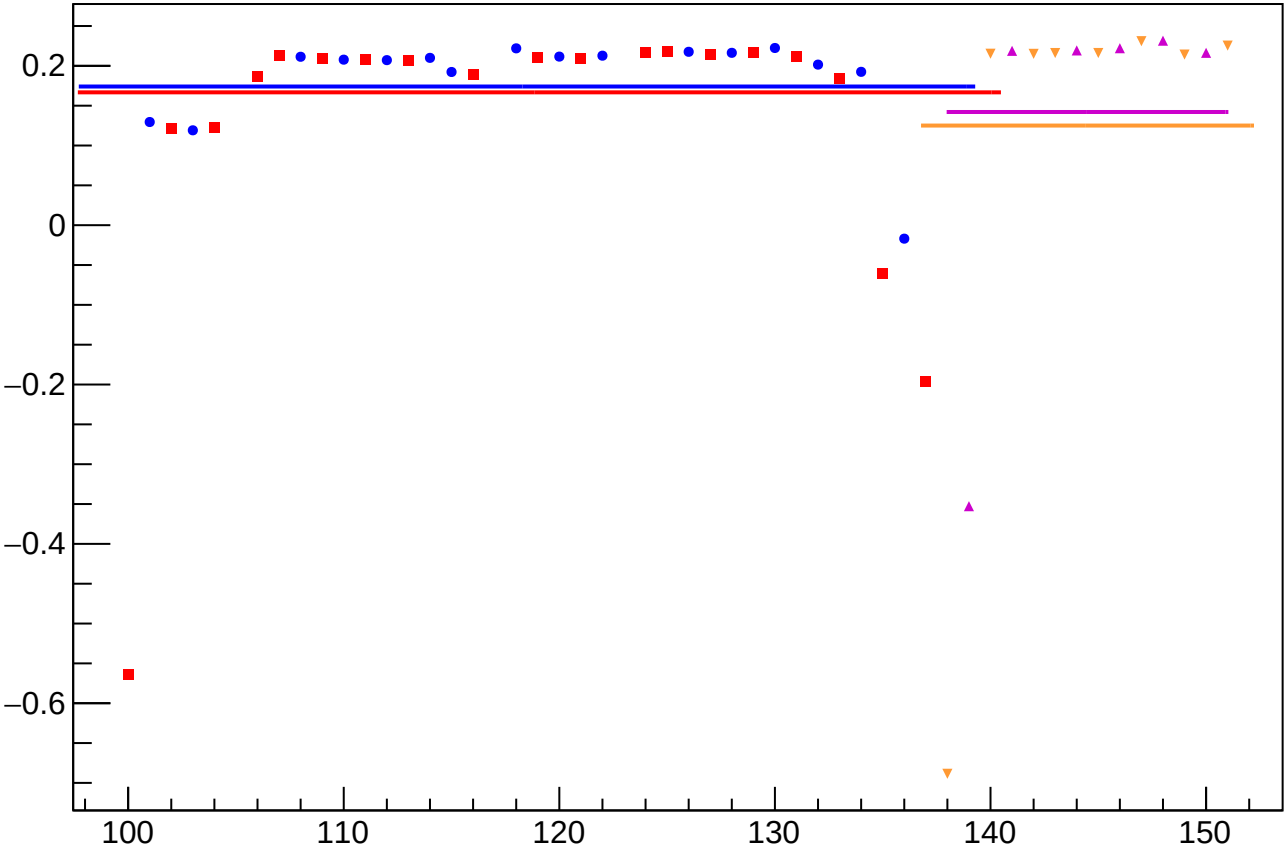
Left In: 0.002+/-0.000 χ^2/NDF:35741.6/5

+ sign 0.002+/-0.000 χ^2/NDF: 387006.9/23

All: 0.002+/-0.000 χ^2/NDF: 757014.3/48

- sign 0.002+/-0.000 χ^2/NDF: 366794.1/24

yield_bpm0l08X_mean vs Slug



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: 0.125+/-0.000 χ^2/NDF:2878619373.6/7

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

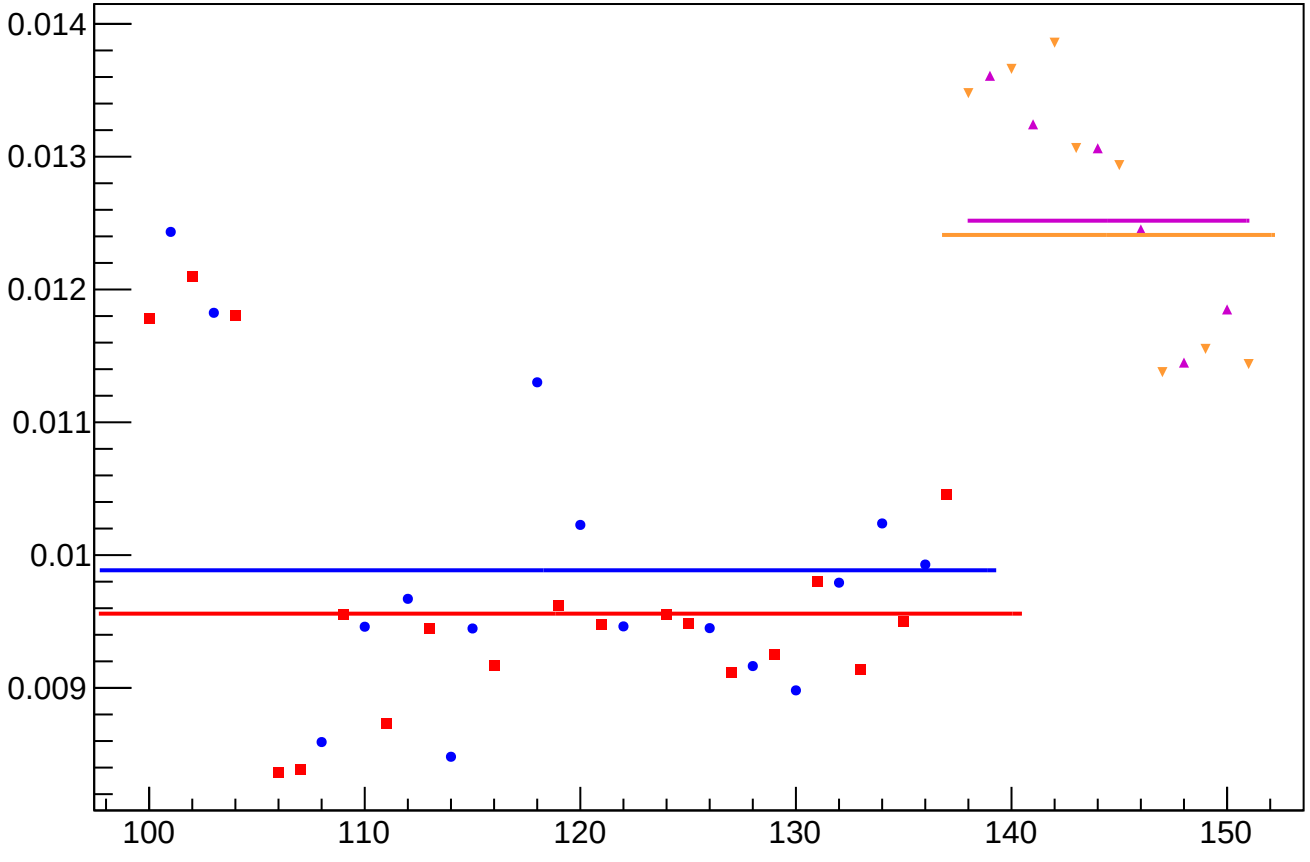
Left In: 0.142+/-0.000 χ^2/NDF:1233226102.1/5

+ sign 0.157+/-0.000 χ^2/NDF: 3338985211.2/23

All: 0.158+/-0.000 χ^2/NDF: 5480328947.9/48

- sign 0.160+/-0.000 χ^2/NDF: 2140956925.2/24

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:70247.3/7

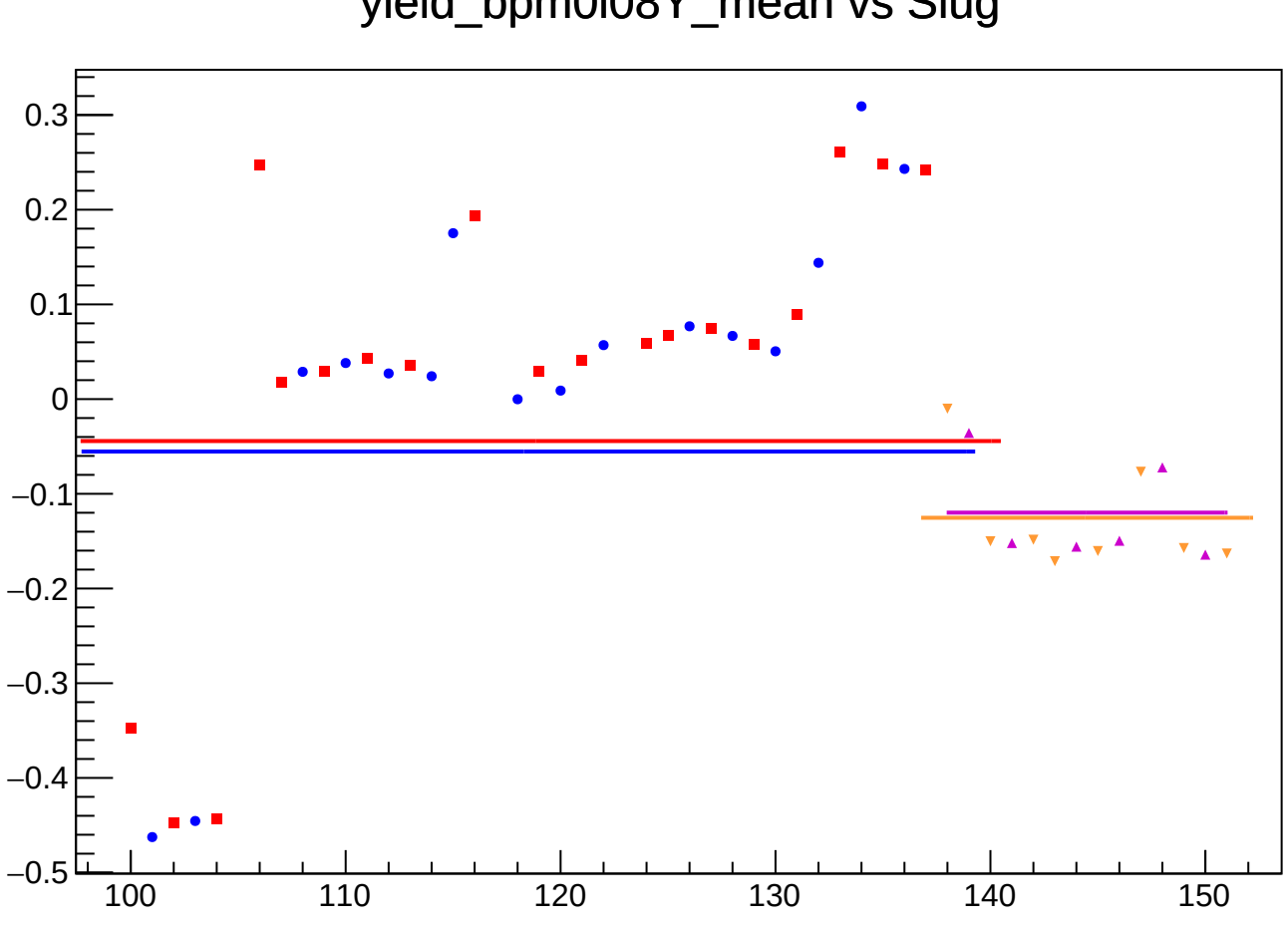
Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.013+/-0.000 χ^2/NDF:37318.3/5

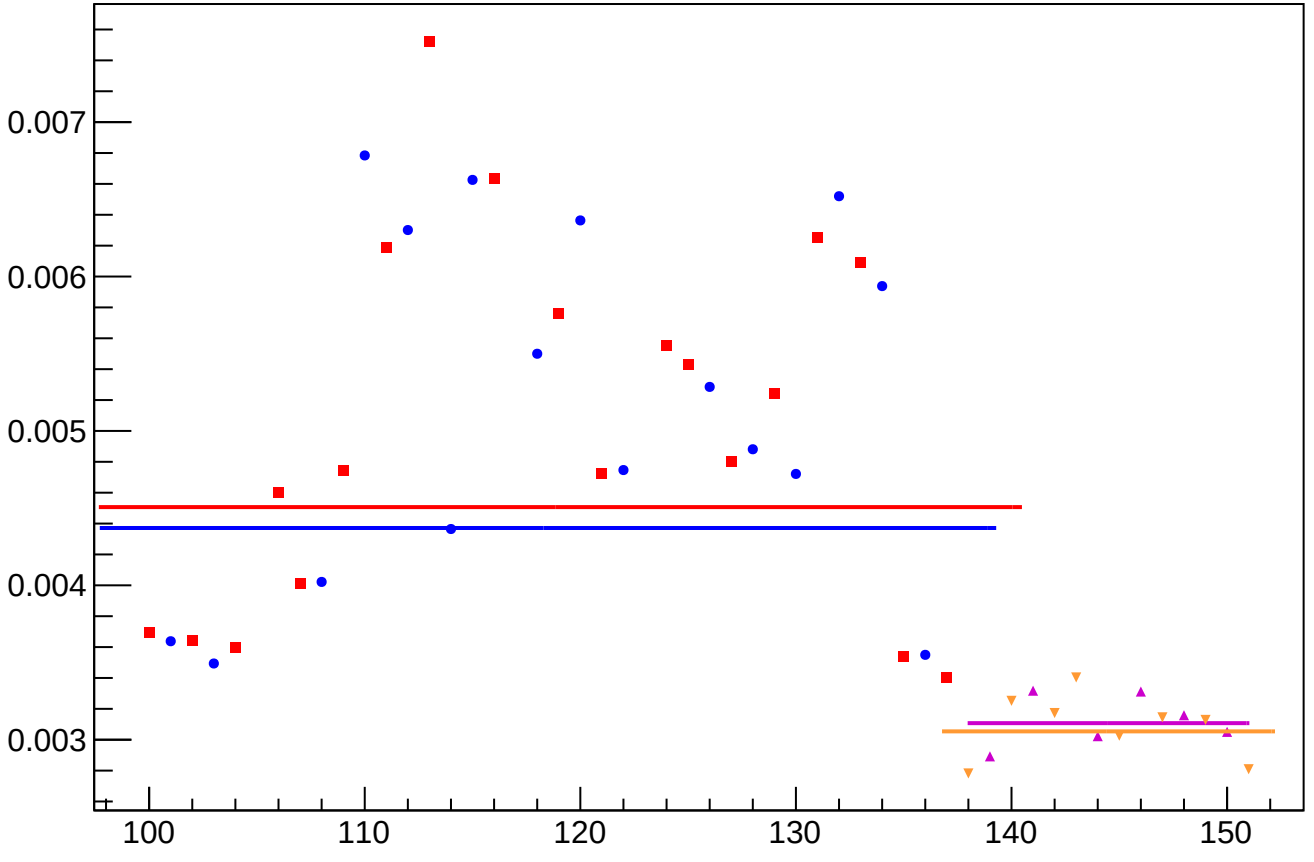
+ sign 0.011+/-0.000 χ^2/NDF: 529016.4/23

All: 0.011+/-0.000 χ^2/NDF: 1108387.5/48

- sign 0.010+/-0.000 χ^2/NDF: 565120.3/24


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
Right In: -0.055+/-0.000 χ²/NDF: 24081939190.6/15
Left Out: -0.125+/-0.000 χ²/NDF:1977465066.9/7
Right Out: -0.044+/-0.000 χ²/NDF: 22136167141.7/18
Left In: -0.120+/-0.000 χ²/NDF:1304634468.8/5
+ sign -0.101+/-0.000 χ²/NDF: 27087404459.5/23
All: -0.096+/-0.000 χ²/NDF: 51683163961.5/
- sign -0.091+/-0.000 χ²/NDF: 24547500324.9/24

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:50535.9/7

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

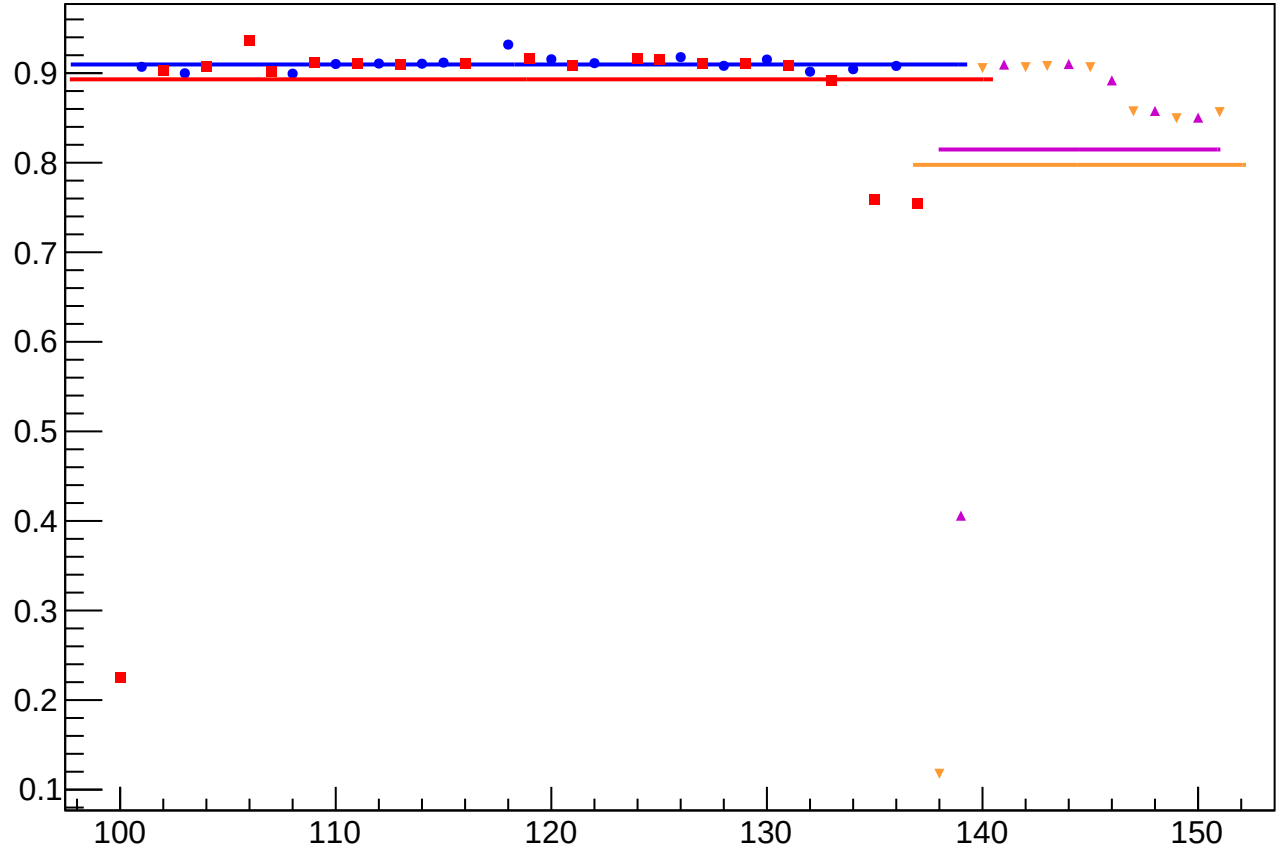
Left In: 0.003+/-0.000 χ^2/NDF:23721.0/5

+ sign 0.004+/-0.000 χ^2/NDF: 1439536.2/23

All: 0.004+/-0.000 χ^2/NDF: 2943520.8/48

- sign 0.004+/-0.000 χ^2/NDF: 1486921.4/24

yield_bpm0l09X_mean vs Slug



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.798+/-0.000 χ^2/NDF:2212920834.5/7

Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

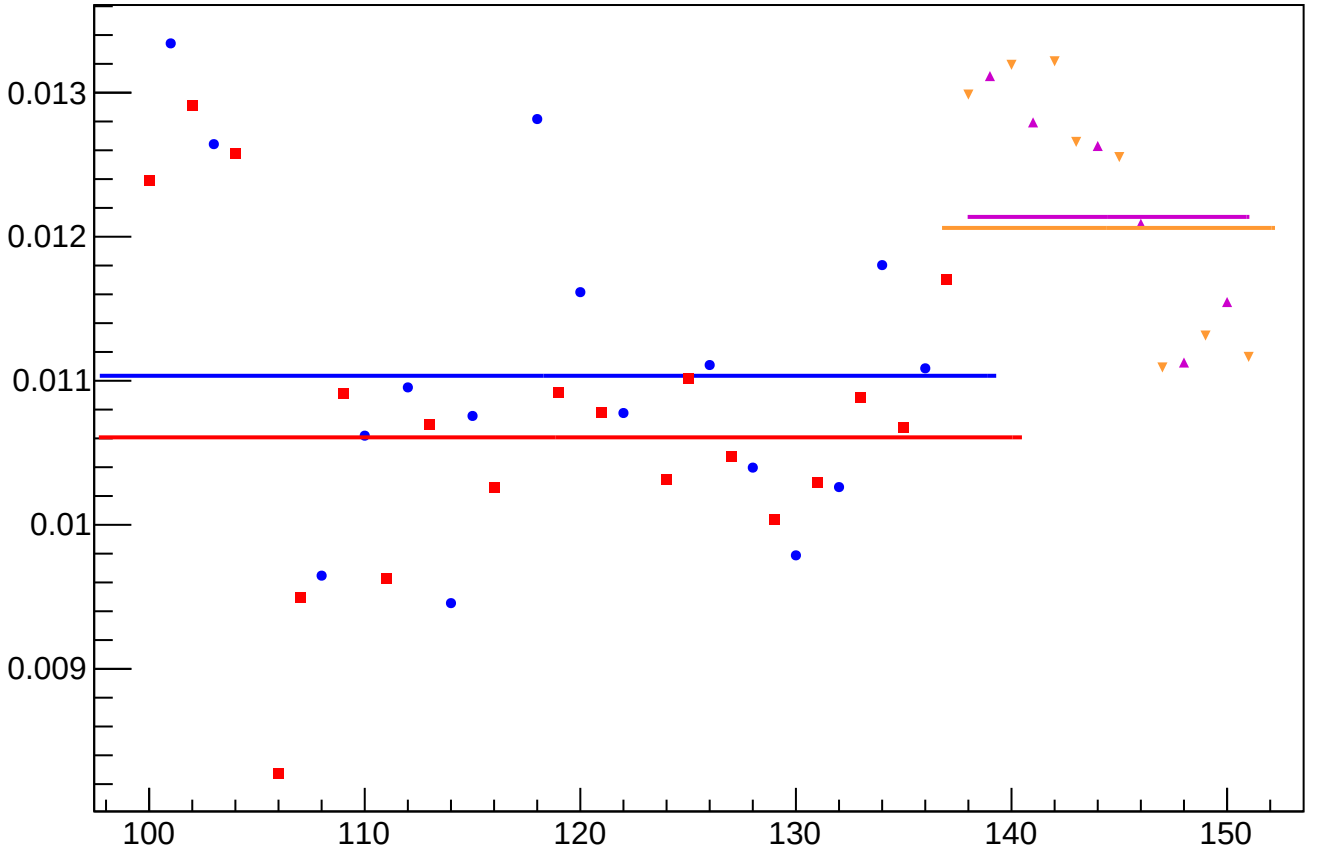
Left In: 0.815+/-0.000 χ^2/NDF:934311040.6/5

+ sign 0.863+/-0.000 χ^2/NDF: 2509246313.6/23

All: 0.865+/-0.000 χ^2/NDF: 3907003659.5/48

- sign 0.866+/-0.000 χ^2/NDF: 1397361724.8/24

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:60166.3/7

Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

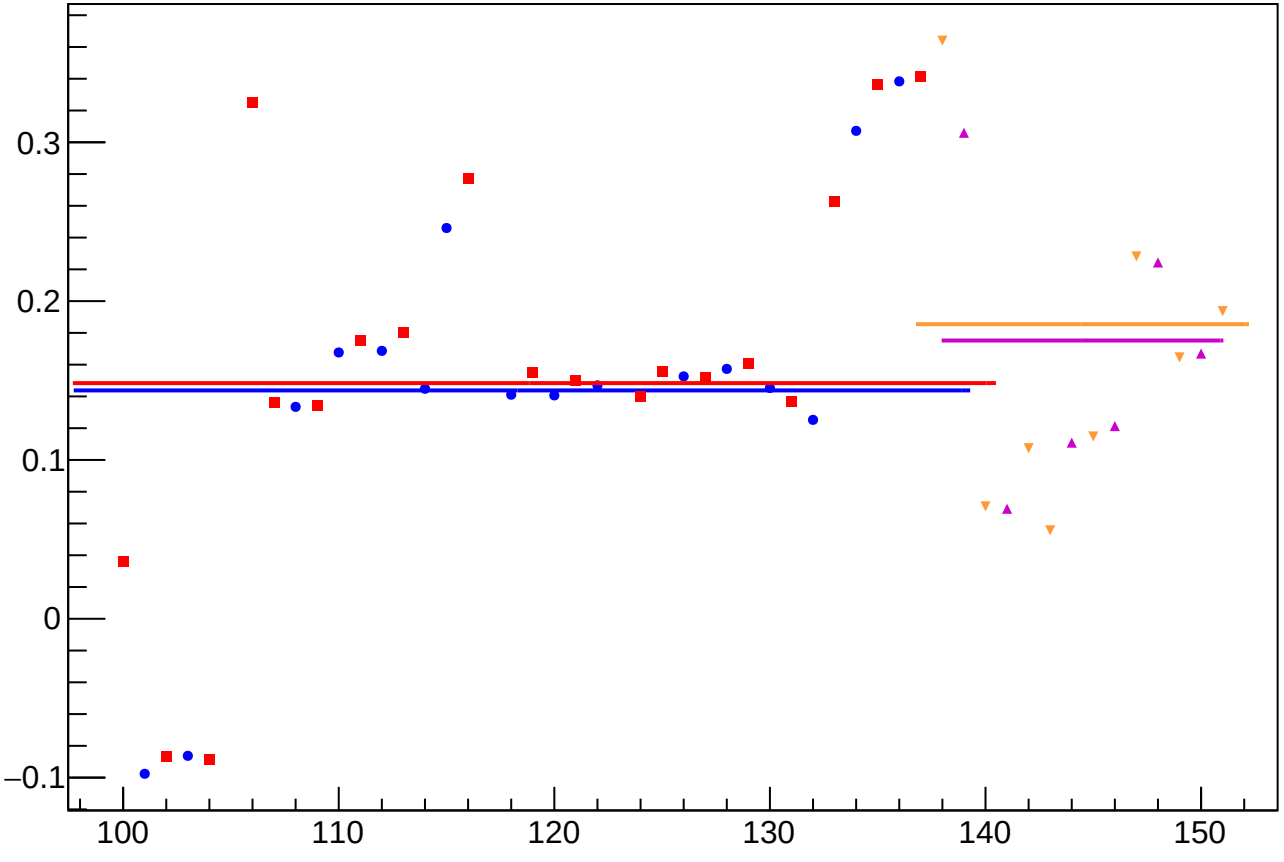
Left In: 0.012+/-0.000 χ^2/NDF:33539.8/5

+ sign 0.011+/-0.000 χ^2/NDF: 239696.5/23

All: 0.011+/-0.000 χ^2/NDF: 530574.4/48

- sign 0.011+/-0.000 χ^2/NDF: 280573.3/24

yield_bpm0l09Y_mean vs Slug



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.185+/-0.000 χ^2/NDF:4098353668.5/7

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

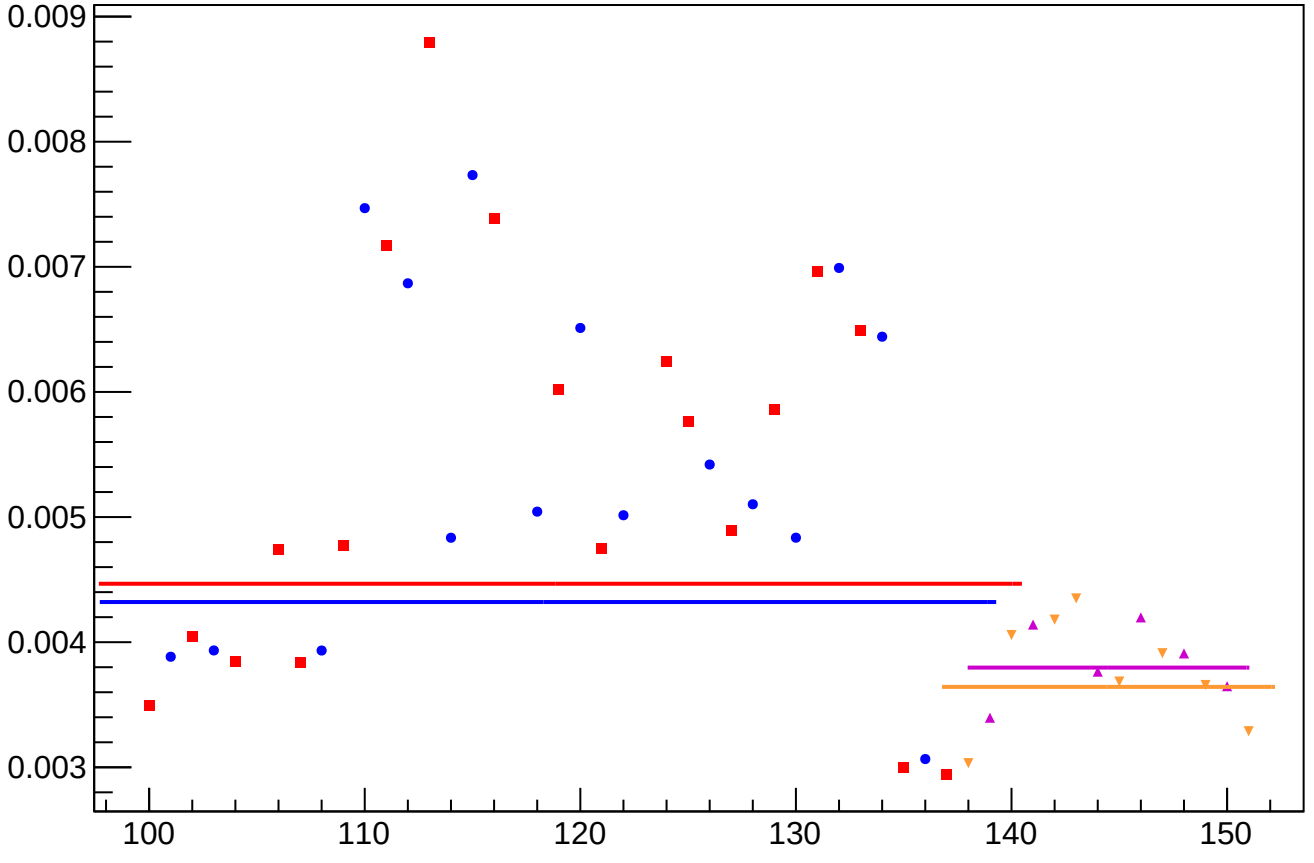
Left In: 0.175+/-0.000 χ^2/NDF:2121297031.3/5

+ sign 0.168+/-0.000 χ^2/NDF: 12270496659.4/23

All: 0.165+/-0.000 χ^2/NDF: 21640964744.2/4

- sign 0.162+/-0.000 χ^2/NDF: 9361136045.3/24

yield_bpm0l09Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 878343.4/15

Left Out: 0.004+/-0.000 χ^2/NDF:145972.3/7

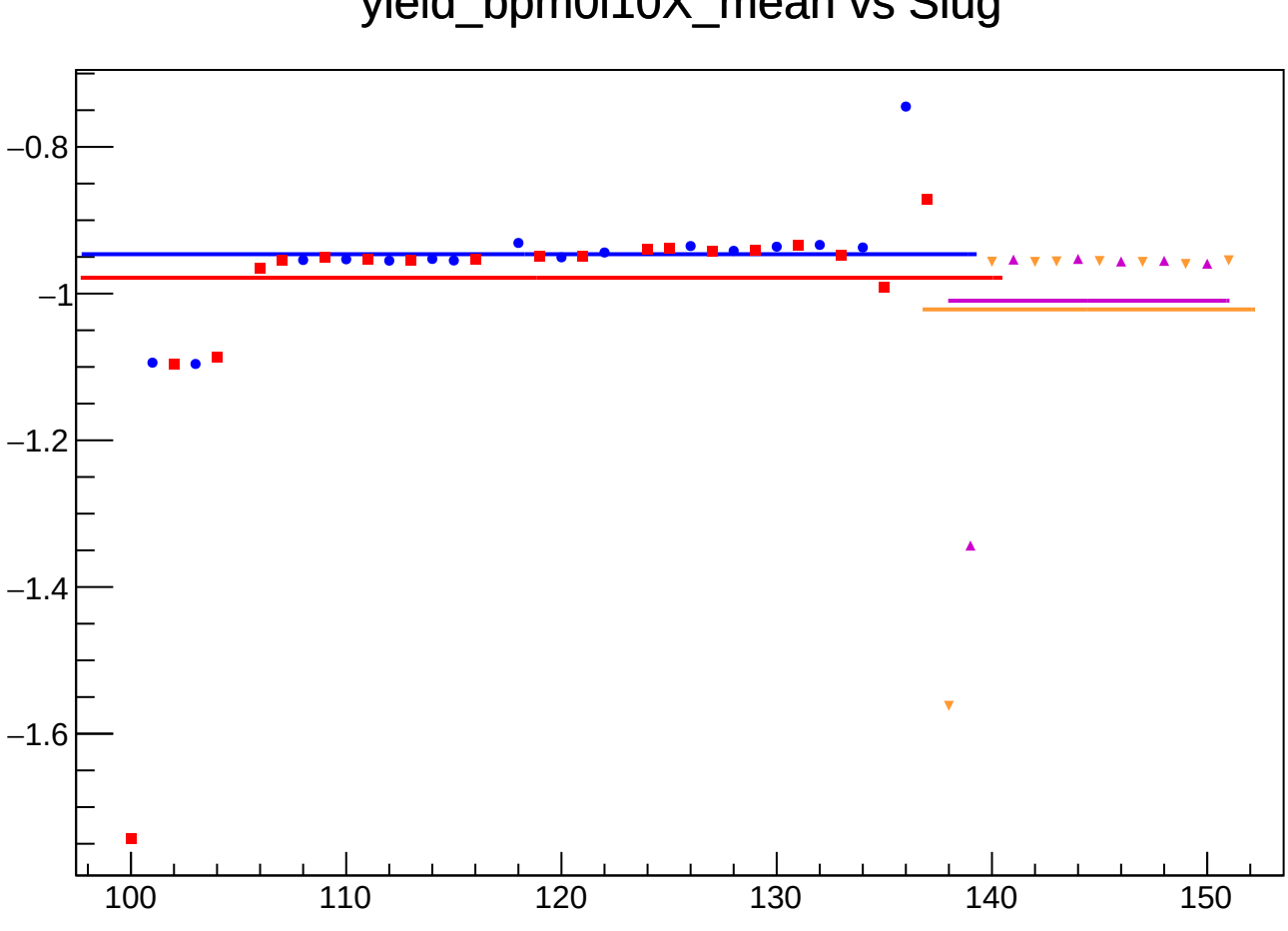
Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.004+/-0.000 χ^2/NDF:49679.6/5

+ sign 0.004+/-0.000 χ^2/NDF: 1185735.2/23

All: 0.004+/-0.000 χ^2/NDF: 2483072.7/48

- sign 0.004+/-0.000 χ^2/NDF: 1274457.9/24



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.022+/-0.000 χ^2/NDF:1785167885.0/7

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

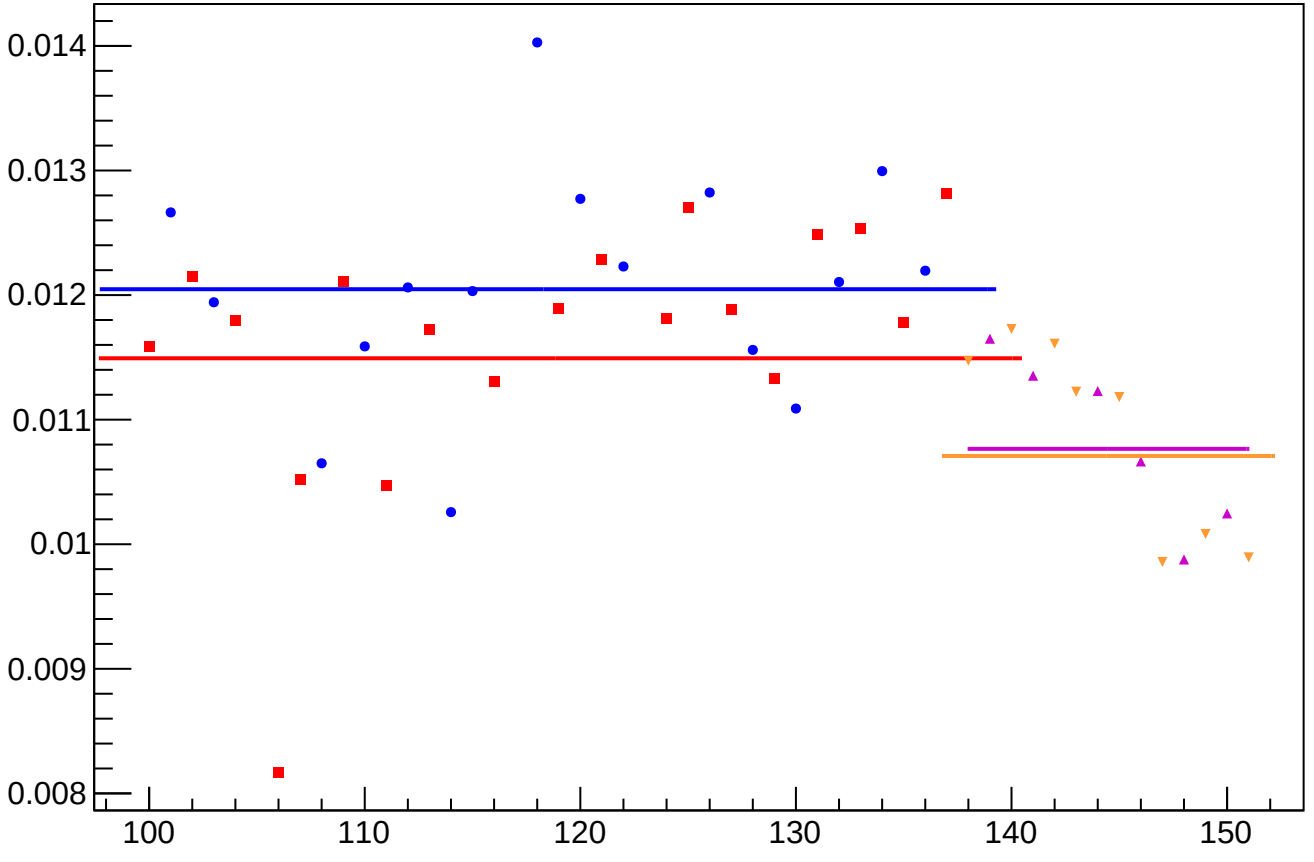
Left In: -1.010+/-0.000 χ^2/NDF:777284003.5/5

+ sign -0.985+/-0.000 χ^2/NDF: 2328621339.8/23

All: -0.989+/-0.000 χ^2/NDF: 3592864855.7/4

- sign -0.992+/-0.000 χ^2/NDF: 1261855432.1/24

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:58252.0/7

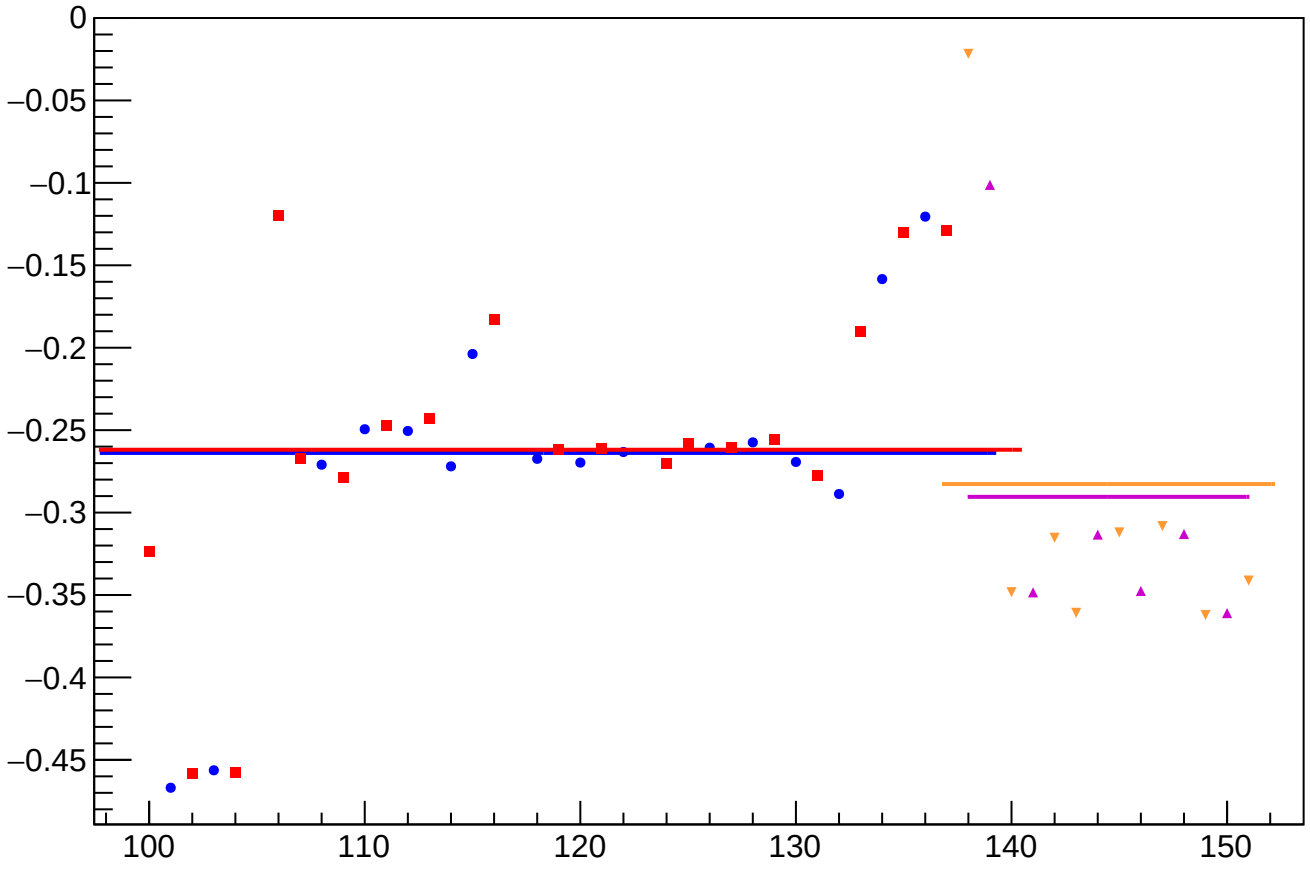
Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.011+/-0.000 χ^2/NDF:34281.2/5

+ sign 0.011+/-0.000 χ^2/NDF: 208602.1/23

All: 0.011+/-0.000 χ^2/NDF: 422790.3/48

- sign 0.011+/-0.000 χ^2/NDF: 210928.2/24



Right In: -0.264+/-0.000 χ^2/NDF: 6106171444.3/15

Left Out: -0.283+/-0.000 χ^2/NDF:4595188526.3/7

Right Out: -0.262+/-0.000 χ^2/NDF: 5250043427.3/18

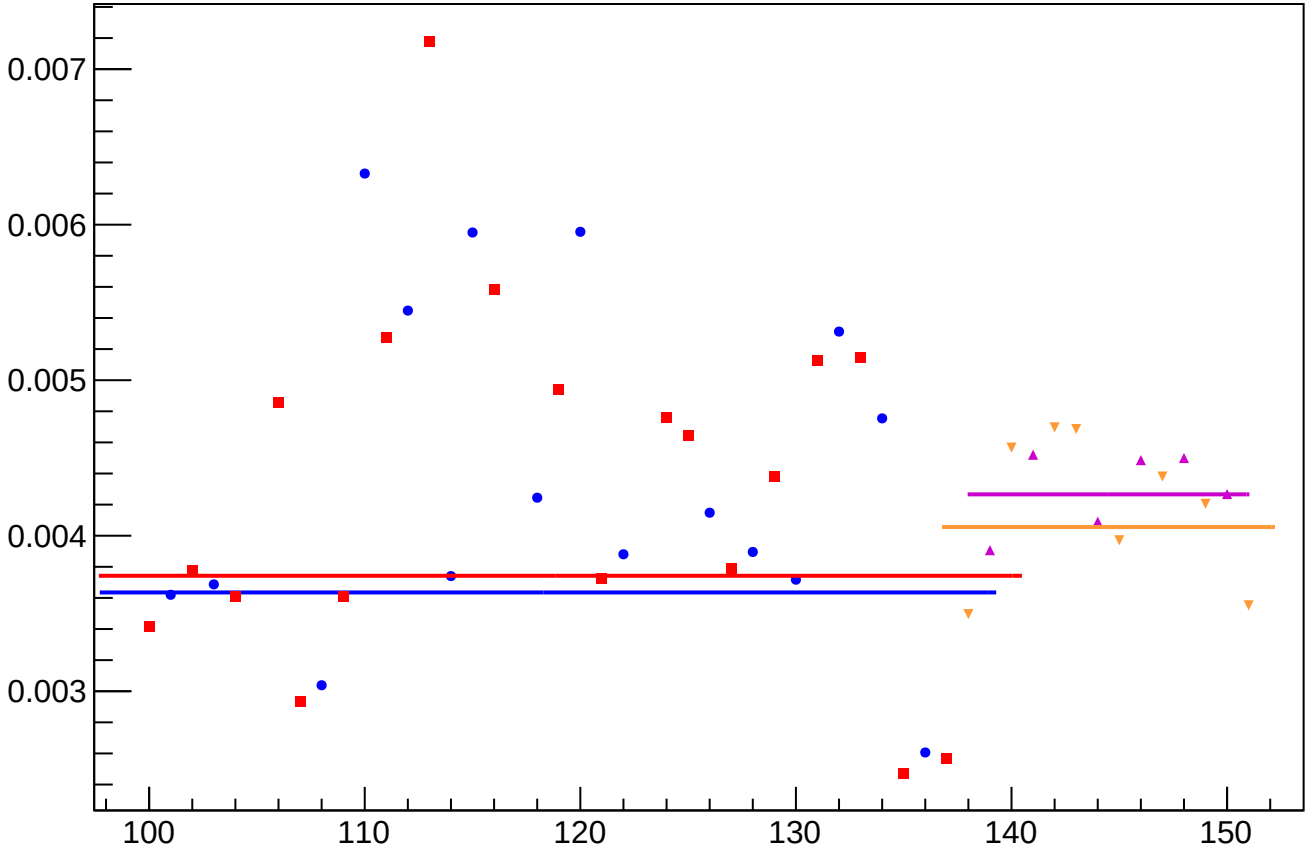
Left In: -0.290+/-0.000 χ^2/NDF:2237453620.8/5

+ sign -0.272+/-0.000 χ^2/NDF: 10767553246.0/23

All: -0.272+/-0.000 χ^2/NDF: 18383758621.8/

- sign -0.272+/-0.000 χ^2/NDF: 7616104459.2/24

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:131782.3/7

Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

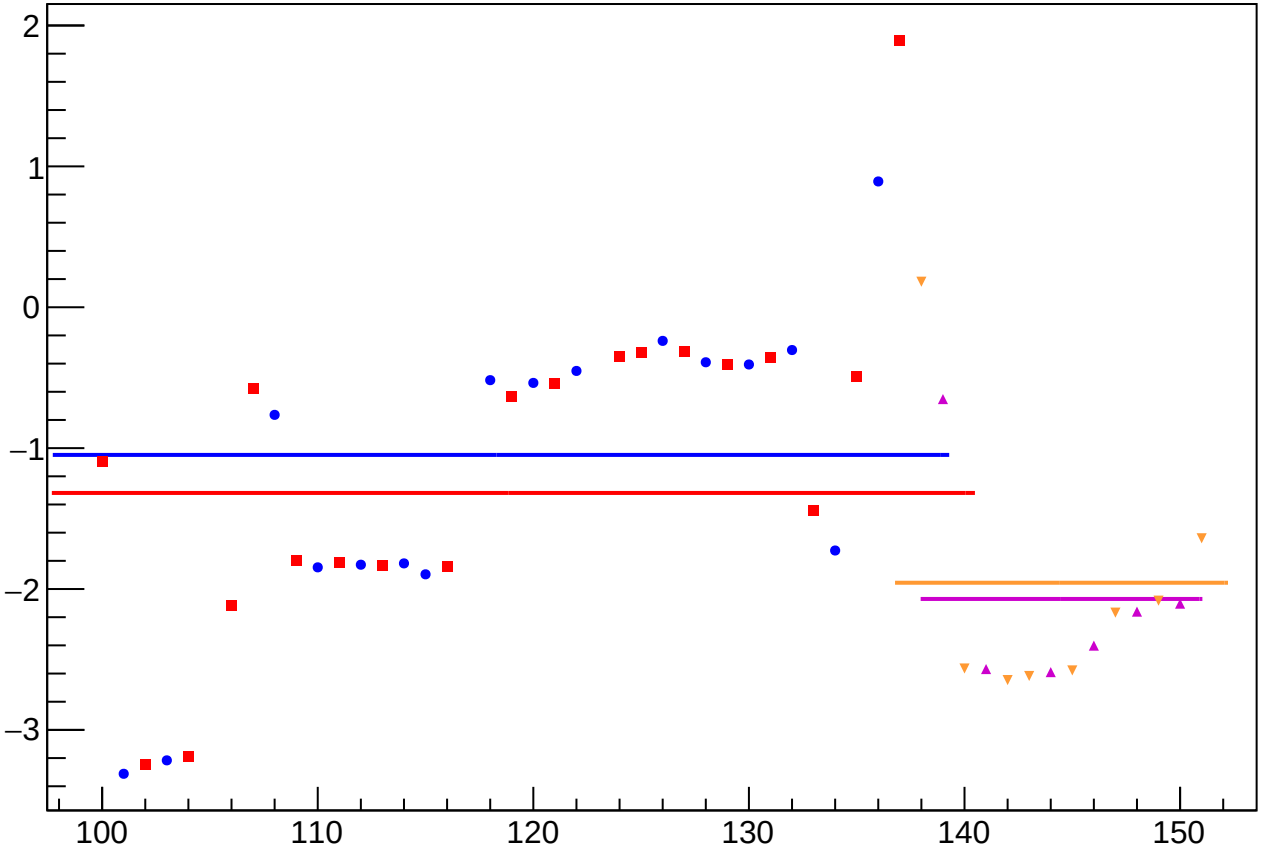
Left In: 0.004+/-0.000 χ^2/NDF:27626.3/5

+ sign 0.004+/-0.000 χ^2/NDF: 926040.4/23

All: 0.004+/-0.000 χ^2/NDF: 1944694.9/48

- sign 0.004+/-0.000 χ^2/NDF: 1008244.3/24

yield_bpm0r03X_mean vs Slug



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -1.955+/-0.000 χ^2/NDF:910982290.4/7

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

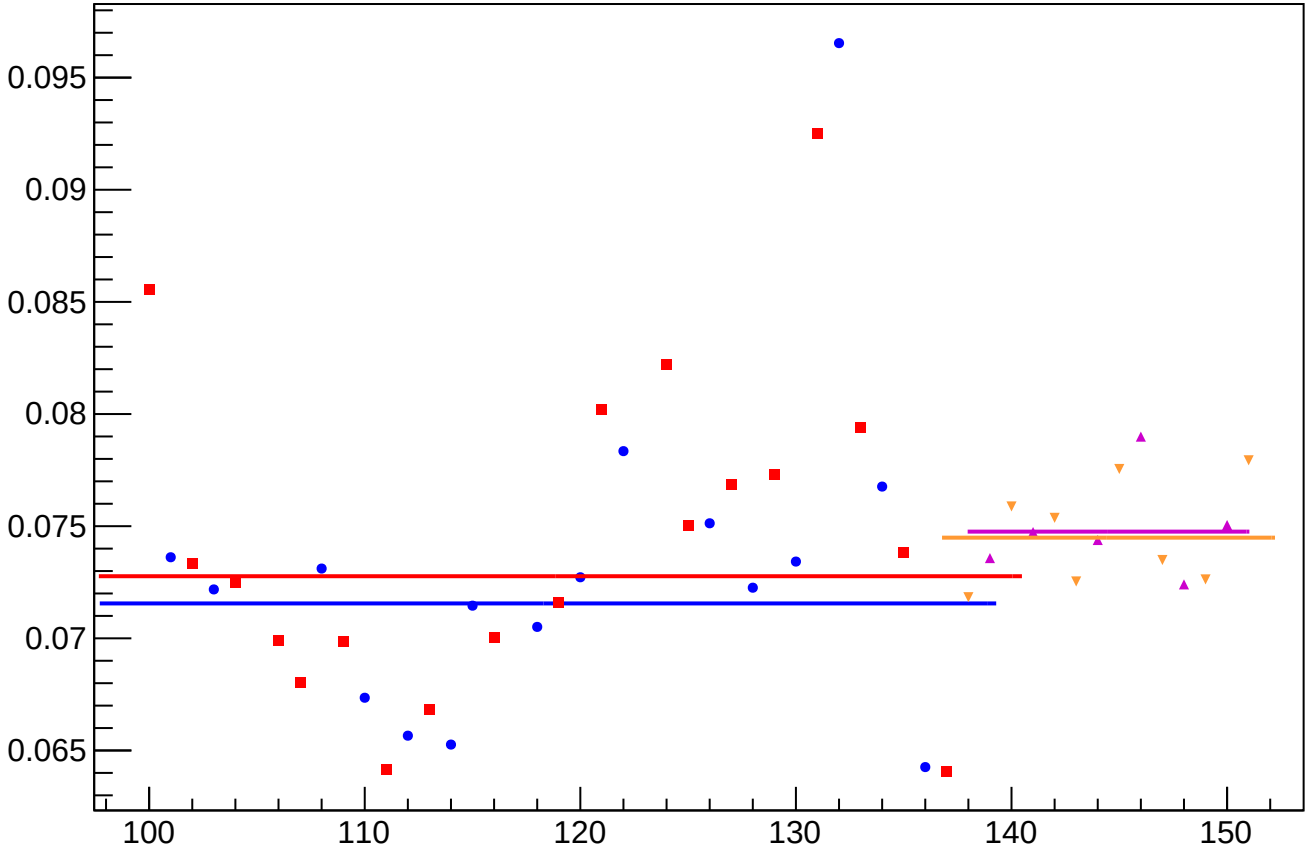
Left In: -2.070+/-0.000 χ^2/NDF:409582070.5/5

+ sign -1.449+/-0.000 χ^2/NDF: 3756074610.7/23

All: -1.531+/-0.000 χ^2/NDF: 6357272017.9/4

- sign -1.618+/-0.000 χ^2/NDF: 2567350977.5/24

yield_bpm0r03X_rms vs Slug



Right In: 0.072+/-0.000 χ^2/NDF: 101238.7/15

Left Out: 0.074+/-0.000 χ^2/NDF:10984.5/7

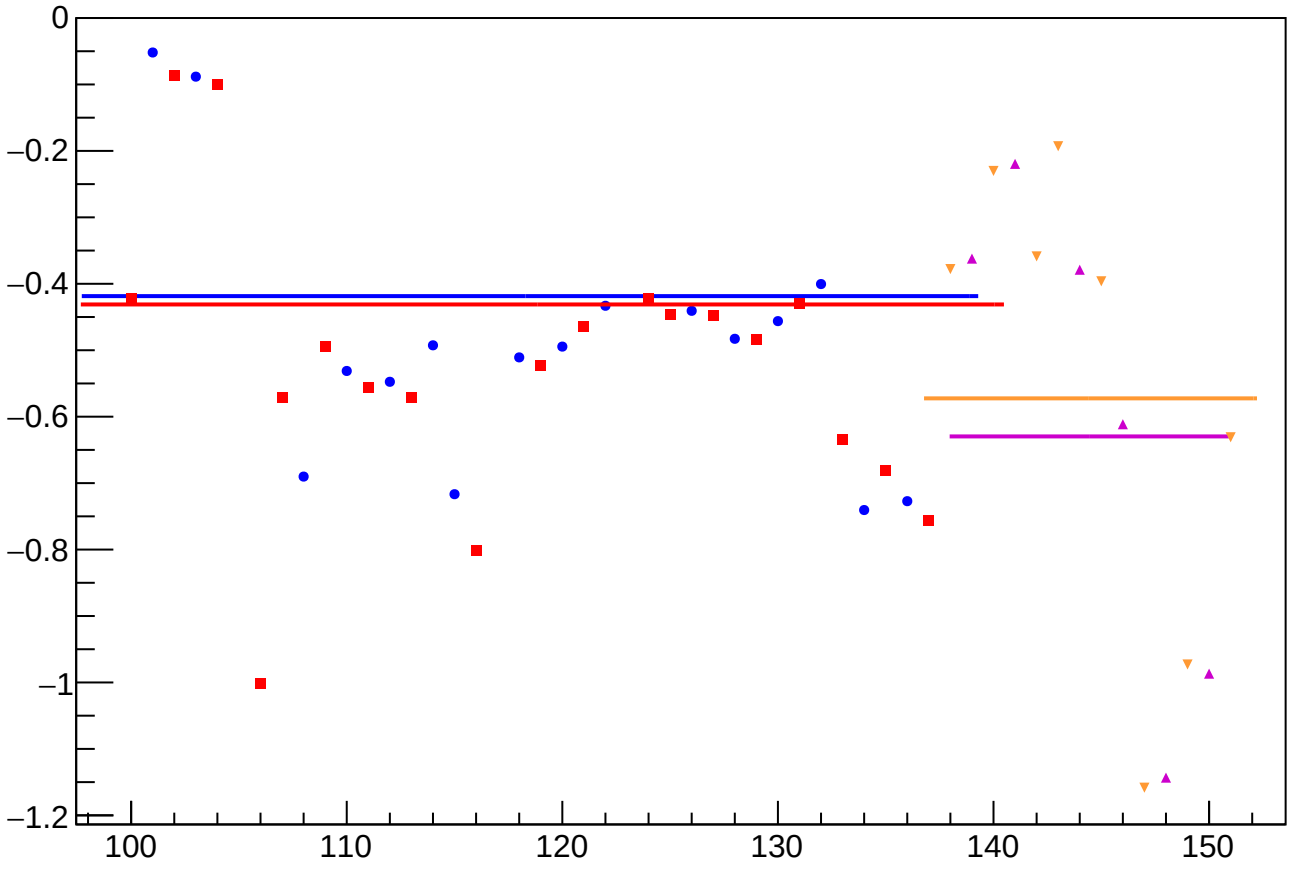
Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.075+/-0.000 χ^2/NDF:6994.2/5

+ sign 0.073+/-0.000 χ^2/NDF: 122628.8/23

All: 0.073+/-0.000 χ^2/NDF: 232018.2/48

- sign 0.074+/-0.000 χ^2/NDF: 108195.4/24



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.572+/-0.000 χ^2/NDF:8162243103.4/7

Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

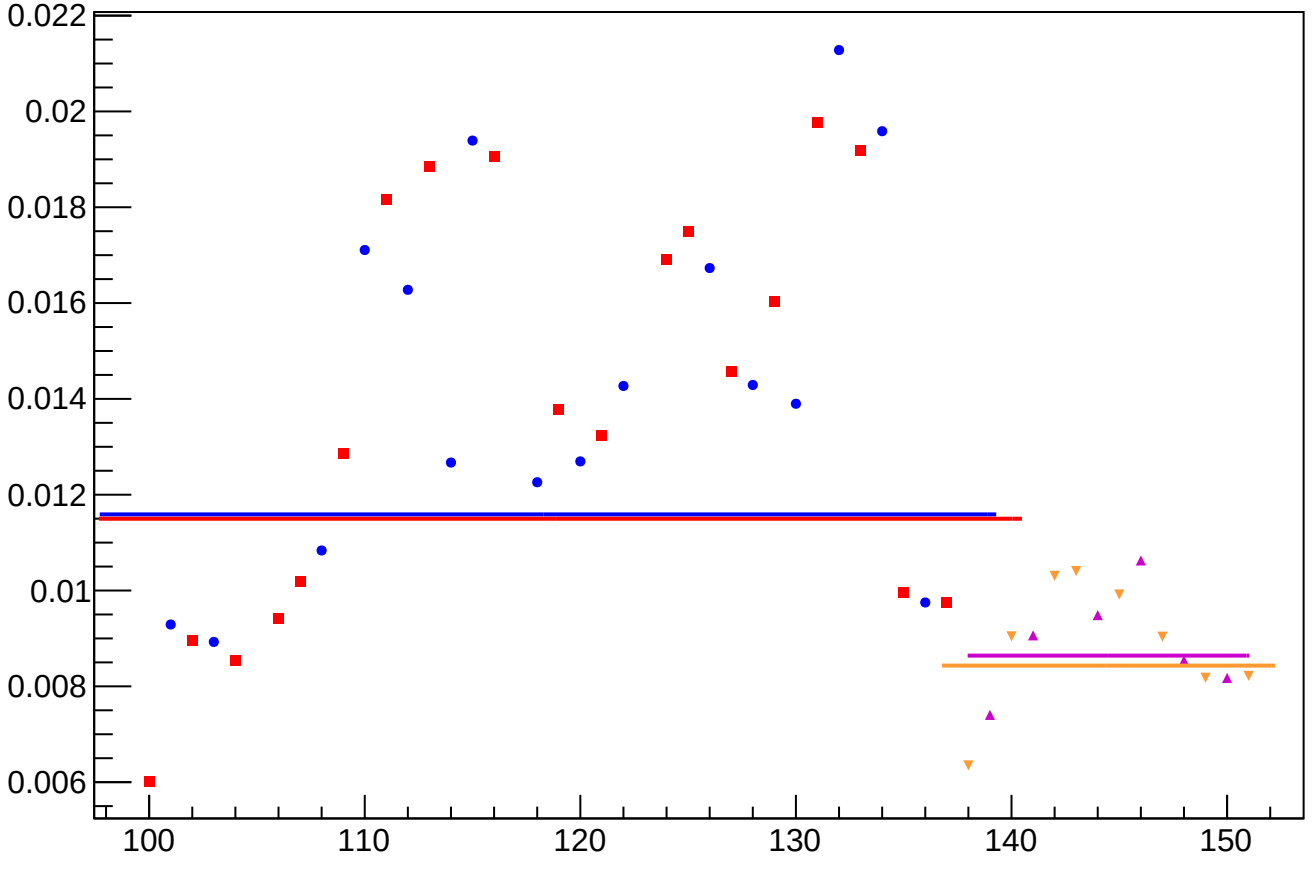
Left In: -0.630+/-0.000 χ^2/NDF:7609077912.5/5

+ sign -0.516+/-0.000 χ^2/NDF: 11898913410.0/23

All: -0.530+/-0.000 χ^2/NDF: 23796173747.1/

- sign -0.546+/-0.000 χ^2/NDF: 11844607407.4/24

yield_bpm0r03Y_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 786260.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:276566.1/7

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

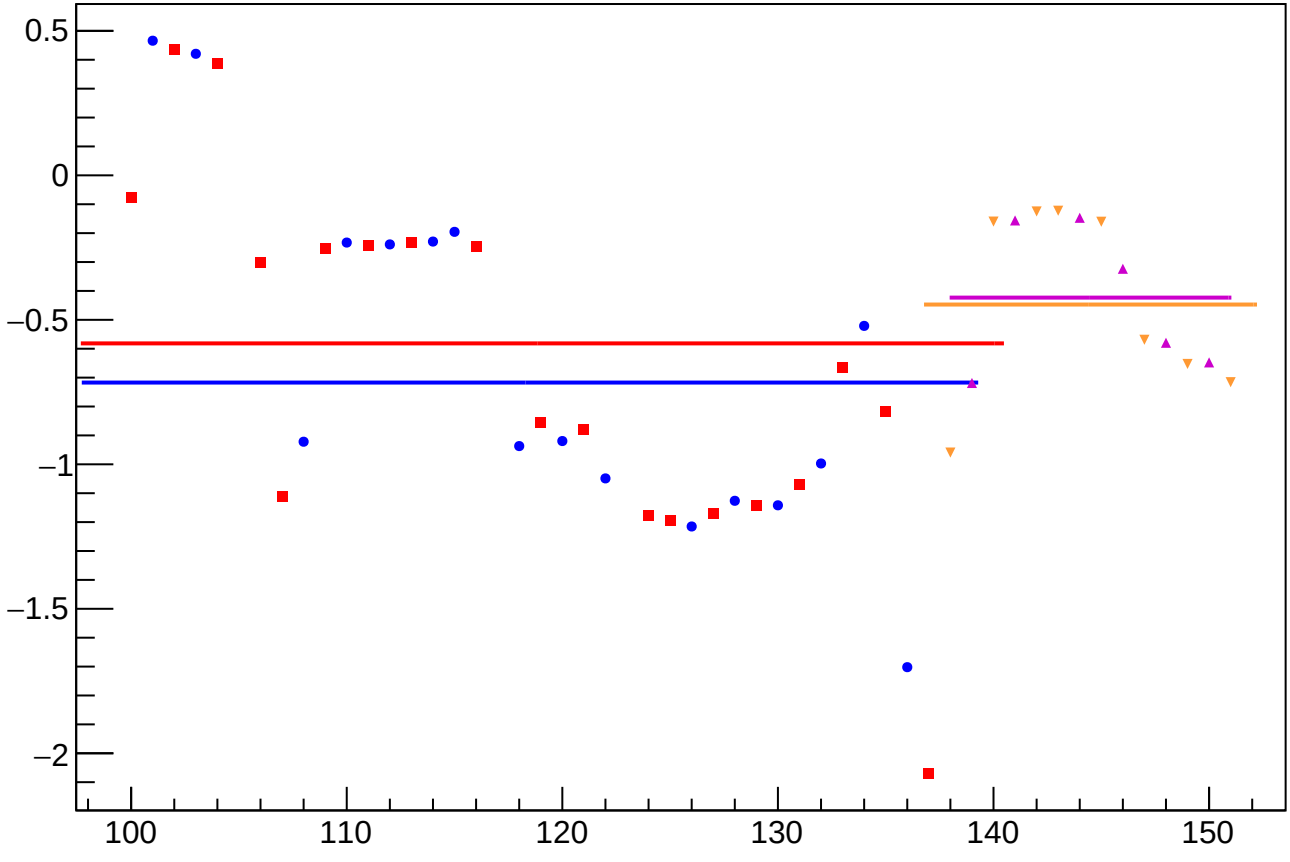
Left In: 0.009+/-0.000 χ^2/NDF:117030.8/5

+ sign 0.010+/-0.000 χ^2/NDF: 1621691.5/23

All: 0.010+/-0.000 χ^2/NDF: 3340406.8/48

- sign 0.010+/-0.000 χ^2/NDF: 1711660.6/24

yield_bpm0r05X_mean vs Slug



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -0.447+/-0.000 χ^2/NDF:82733456.0/7

Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

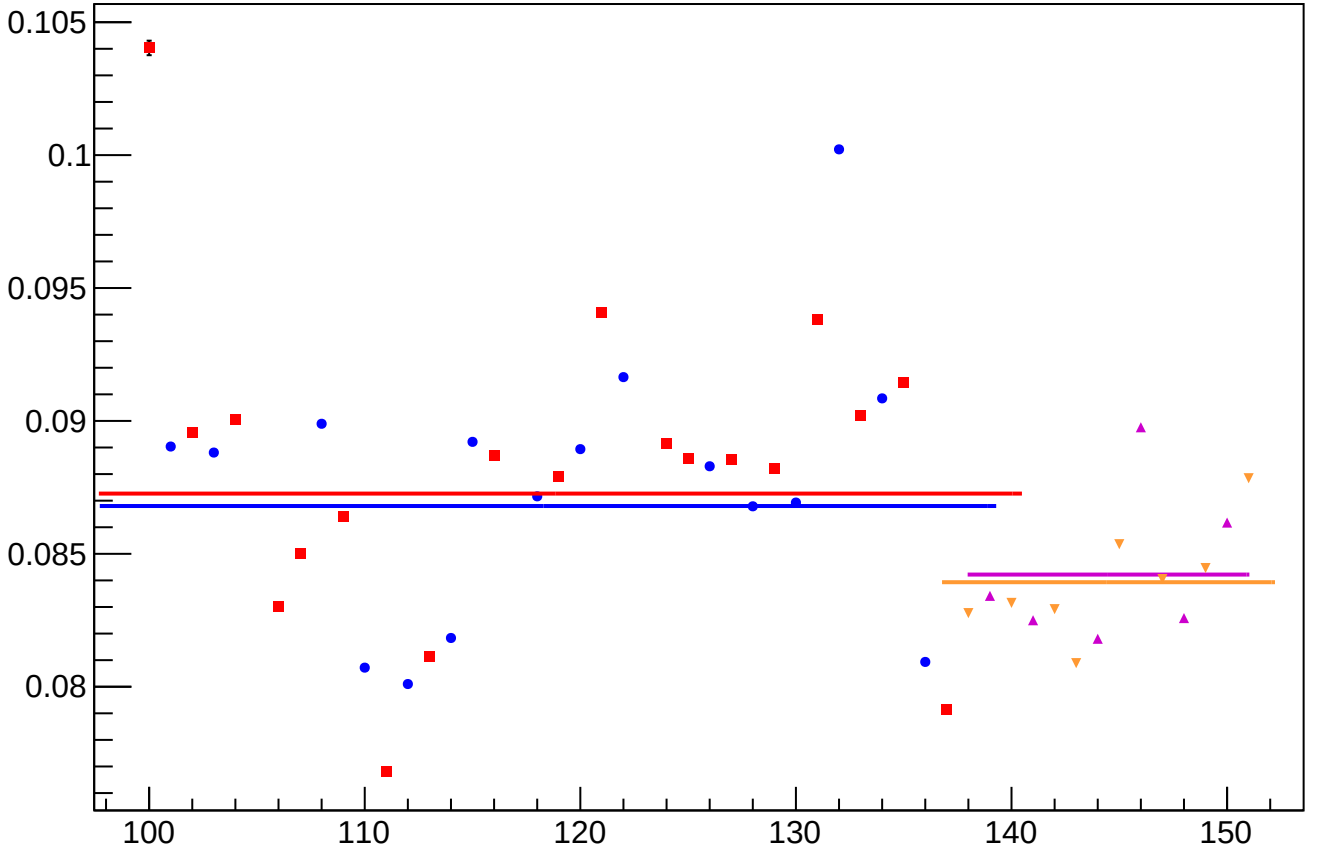
Left In: -0.423+/-0.000 χ^2/NDF:40016525.3/5

+ sign -0.588+/-0.000 χ^2/NDF: 553331208.5/23

All: -0.552+/-0.000 χ^2/NDF: 950815779.5/48

- sign -0.514+/-0.000 χ^2/NDF: 392595262.0/24

yield_bpm0r05X_rms vs Slug



Right In: 0.087+/-0.000 χ^2/NDF: 43575.8/15

Left Out: 0.084+/-0.000 χ^2/NDF:6714.1/7

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

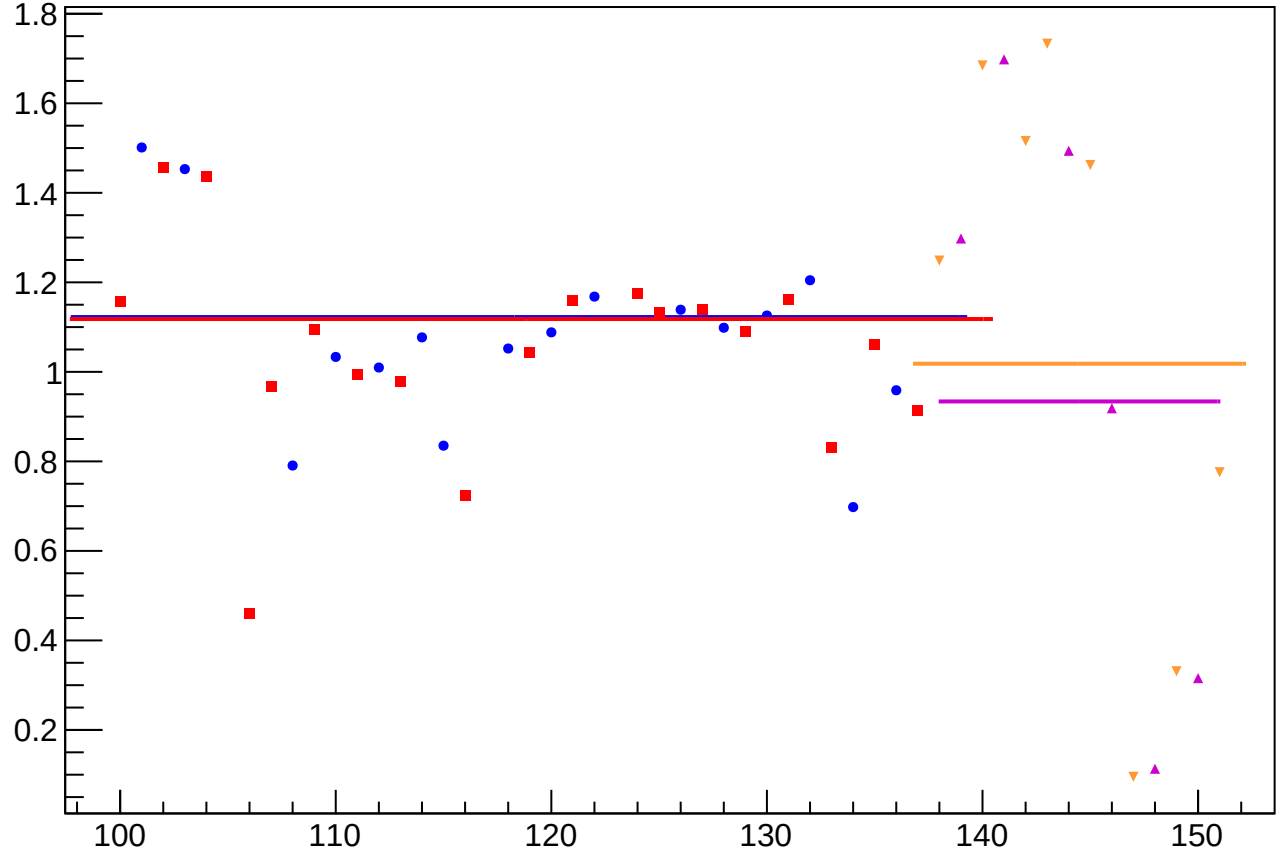
Left In: 0.084+/-0.000 χ^2/NDF:10728.7/5

+ sign 0.085+/-0.000 χ^2/NDF: 57767.0/23

All: 0.086+/-0.000 χ^2/NDF: 122937.9/48

- sign 0.086+/-0.000 χ^2/NDF: 64672.4/24

yield_bpm0r05Y_mean vs Slug



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 1.018+/-0.000 χ^2/NDF:17550577407.2/7

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

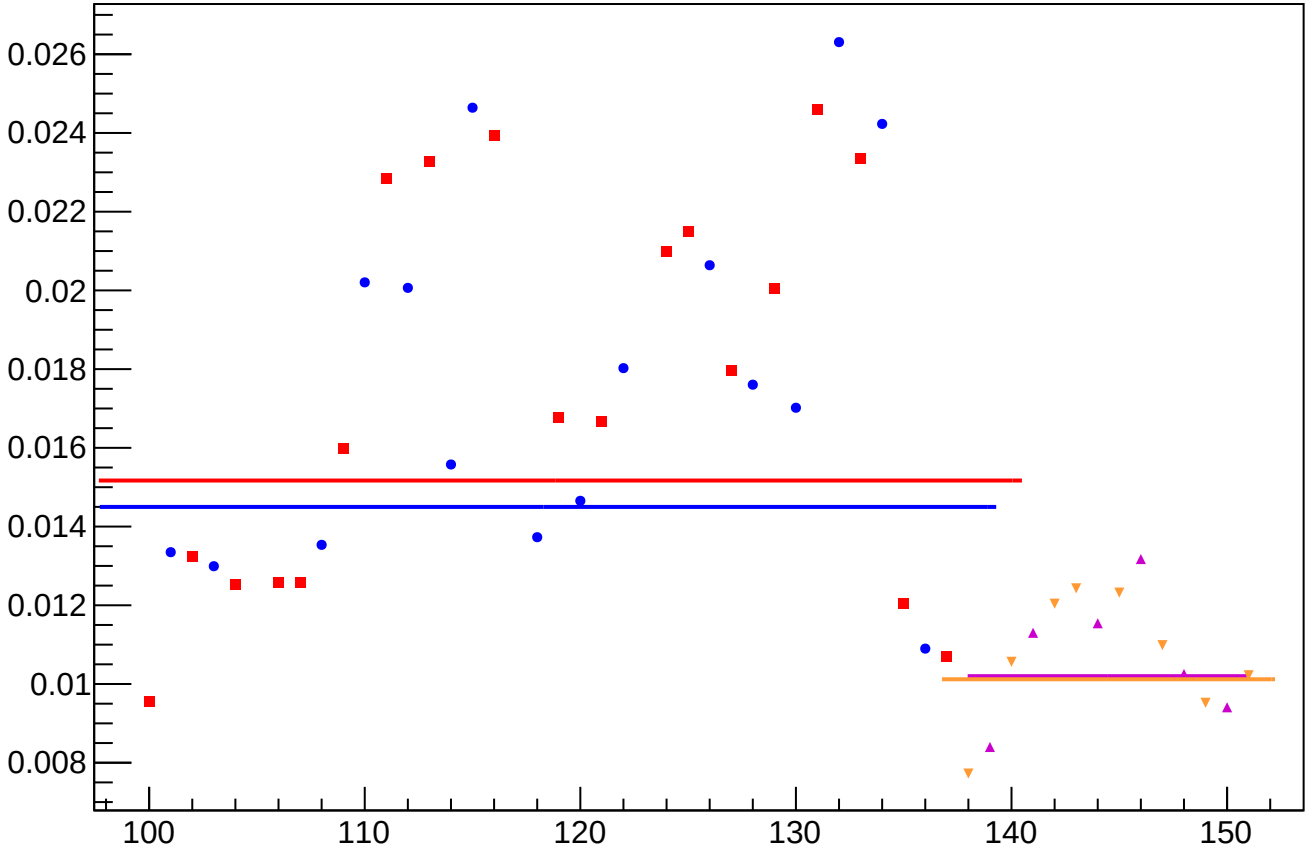
Left In: 0.934+/-0.000 χ^2/NDF:15707281639.5/5

+ sign 1.054+/-0.000 χ^2/NDF: 19206853623.6/23

All: 1.030+/-0.000 χ^2/NDF: 37155095855.8/4

- sign 1.002+/-0.000 χ^2/NDF: 17845477358.4/24

yield_bpm0r05Y_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 710345.3/15

Left Out: 0.010+/-0.000 χ^2/NDF:278430.7/7

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

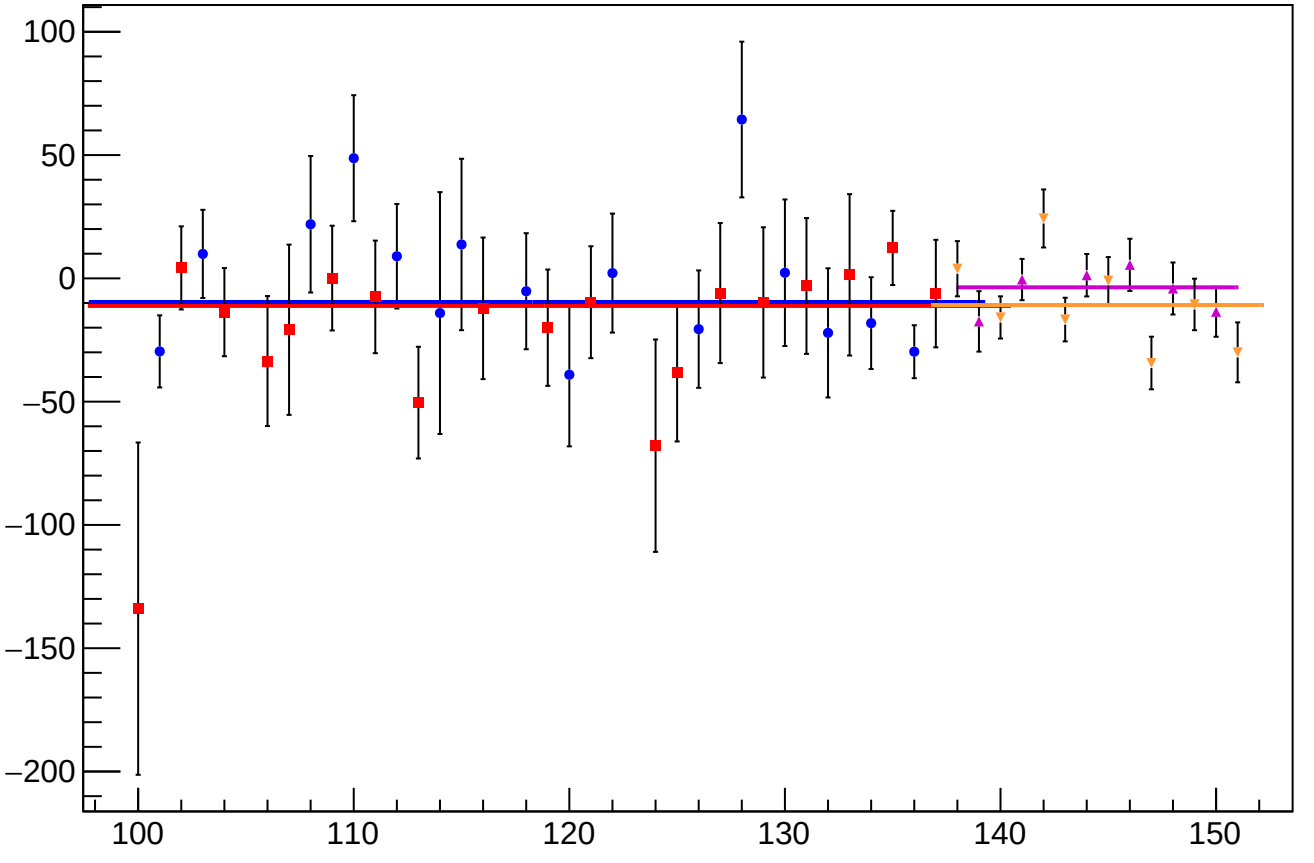
Left In: 0.010+/-0.000 χ^2/NDF:198007.7/5

+ sign 0.012+/-0.000 χ^2/NDF: 1701867.7/23

All: 0.012+/-0.000 χ^2/NDF: 3605340.2/48

- sign 0.012+/-0.000 χ^2/NDF: 1890288.1/24

diff_bpm4aX_mean vs Slug



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -10.812+/-3.597 χ^2/NDF:19.8/7

Right Out: -11.177+/-5.497 χ^2/NDF: 13.9/18

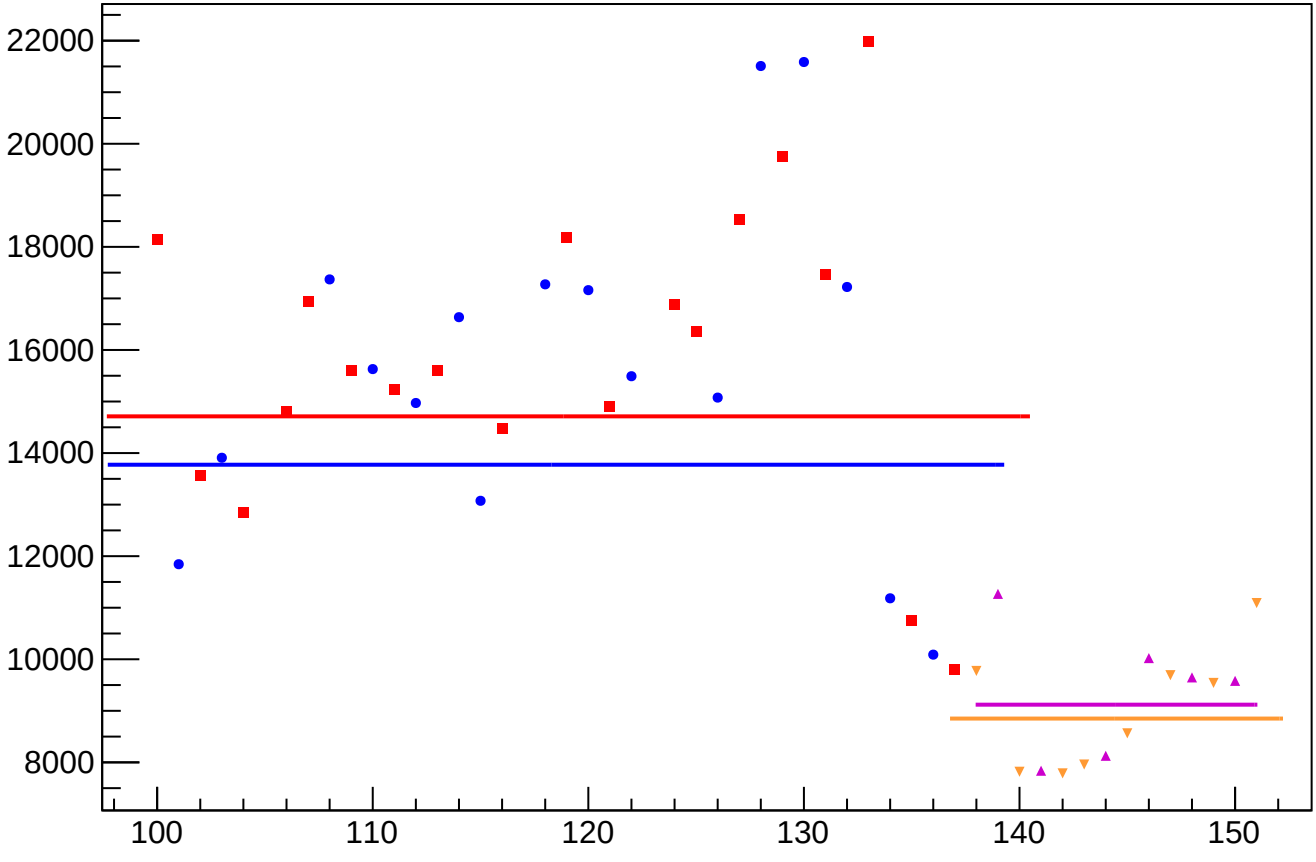
Left In: -3.634+/-4.012 χ^2/NDF:3.4/5

+ sign -10.423+/-2.975 χ^2/NDF: 41.8/23

All: -8.517+/-2.191 χ^2/NDF: 61.2/48

- sign -6.256+/-3.241 χ^2/NDF: 18.5/24

diff_bpm4aX_rms vs Slug



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 8849.817+/-2.544 χ^2/NDF:170341.0/7

Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

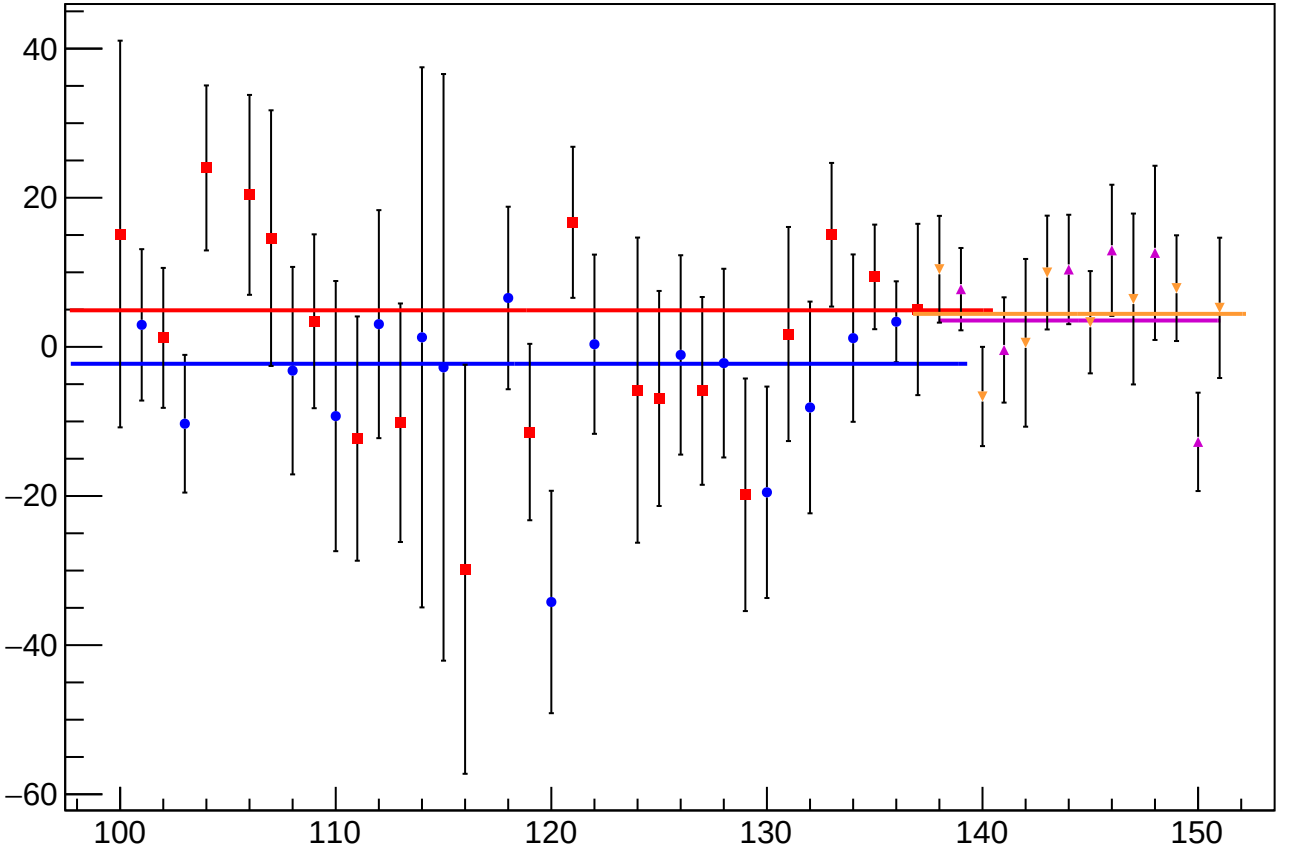
Left In: 9119.114+/-2.837 χ^2/NDF:158768.6/5

+ sign 10406.672+/-2.104 χ^2/NDF: 2102606.9/23

All: 10706.713+/-1.550 χ^2/NDF: 4214098.4/4

- sign 11062.729+/-2.291 χ^2/NDF: 2067007.5/24

diff_bpm4aY_mean vs Slug



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 4.427+/-2.804 χ^2/NDF:4.4/7

Right Out: 4.904+/-2.836 χ^2/NDF: 17.6/18

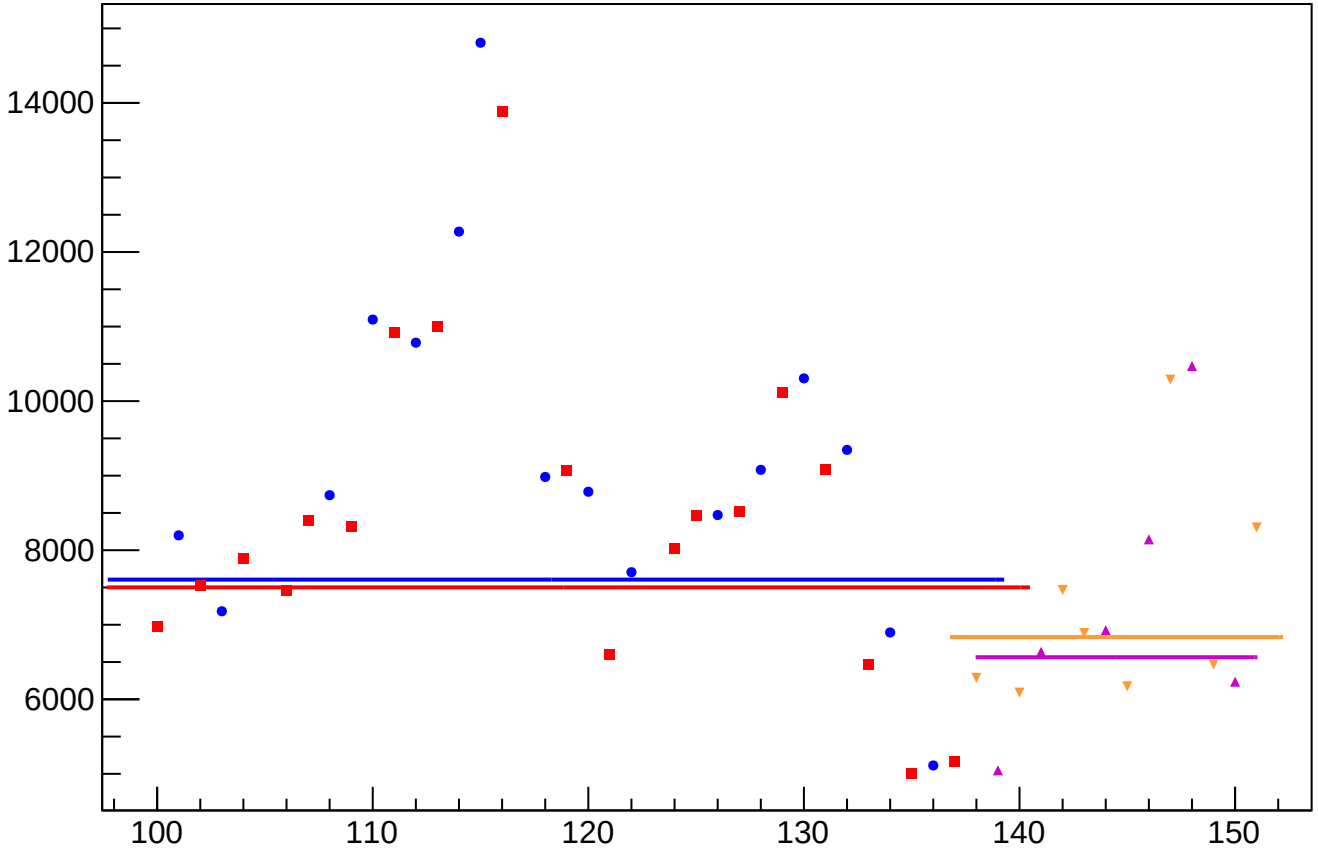
Left In: 3.536+/-2.953 χ^2/NDF:9.6/5

+ sign 1.218+/-2.023 χ^2/NDF: 16.4/23

All: 2.716+/-1.438 χ^2/NDF: 44.8/48

- sign 4.248+/-2.045 χ^2/NDF: 27.3/24

diff_bpm4aY_rms vs Slug



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6834.607+/-1.982 χ^2/NDF:297676.1/7

Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

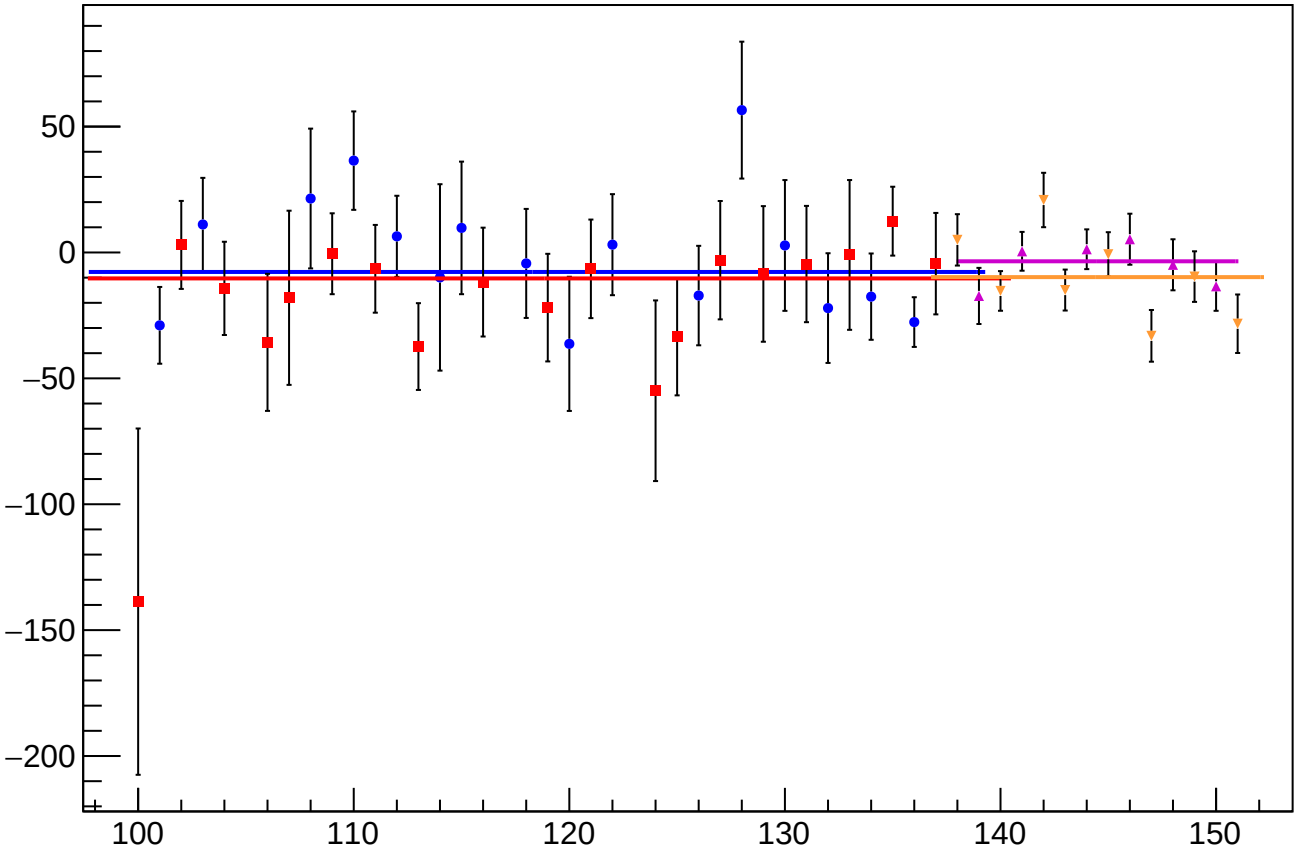
Left In: 6564.110+/-2.088 χ^2/NDF:449390.8/5

+ sign 7204.216+/-1.431 χ^2/NDF: 1261686.2/23

All: 7128.817+/-1.017 χ^2/NDF: 2645102.5/48

- sign 7051.742+/-1.446 χ^2/NDF: 1377798.3/24

diff_bpm4eX_mean vs Slug



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -9.790+/-3.348 χ^2/NDF:19.8/7

Right Out: -10.307+/-4.840 χ^2/NDF: 13.9/18

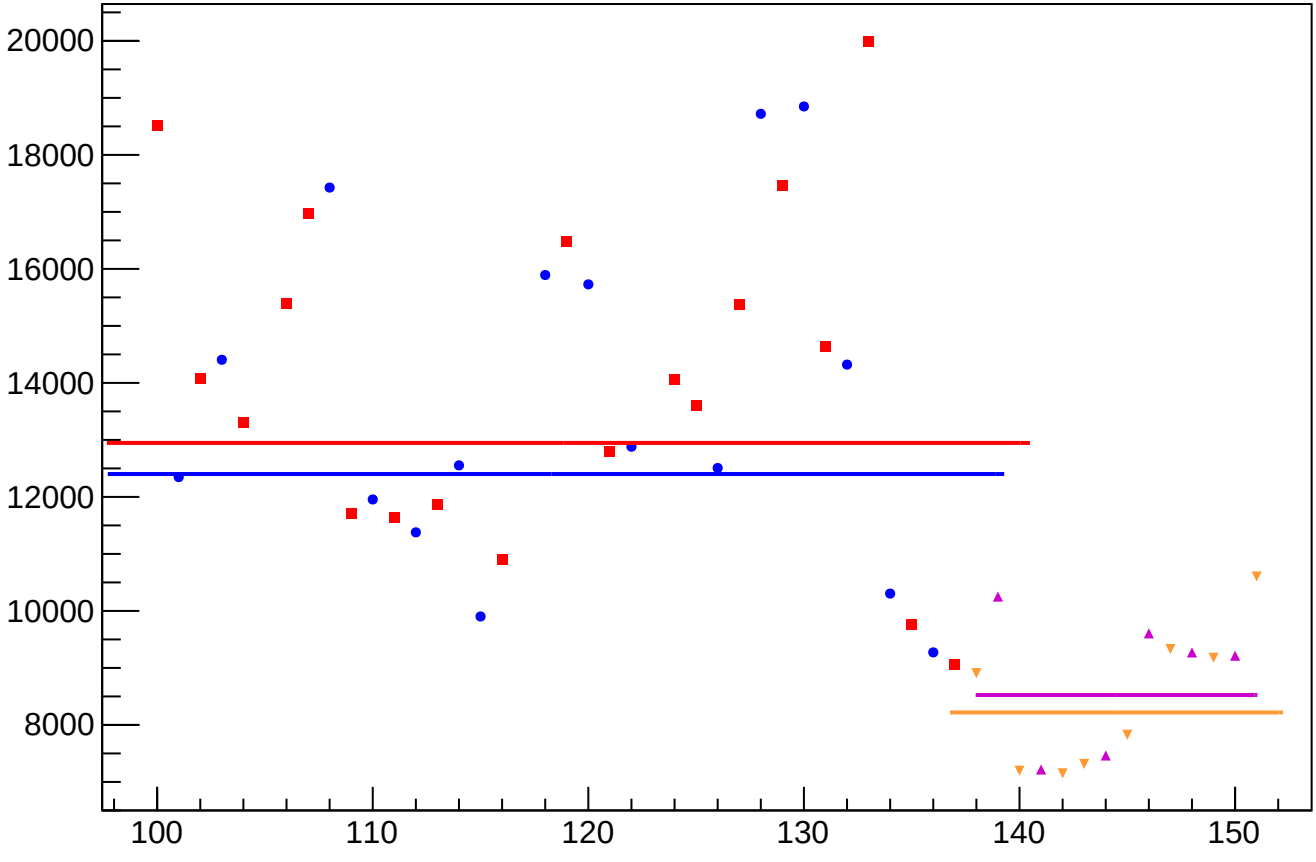
Left In: -3.506+/-3.755 χ^2/NDF:4.0/5

+ sign -9.109+/-2.736 χ^2/NDF: 42.6/23

All: -7.708+/-2.011 χ^2/NDF: 62.3/48

- sign -6.061+/-2.967 χ^2/NDF: 19.1/24

diff_bpm4eX_rms vs Slug



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 8218.926+/-2.368 χ^2/NDF:216976.1/7

Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

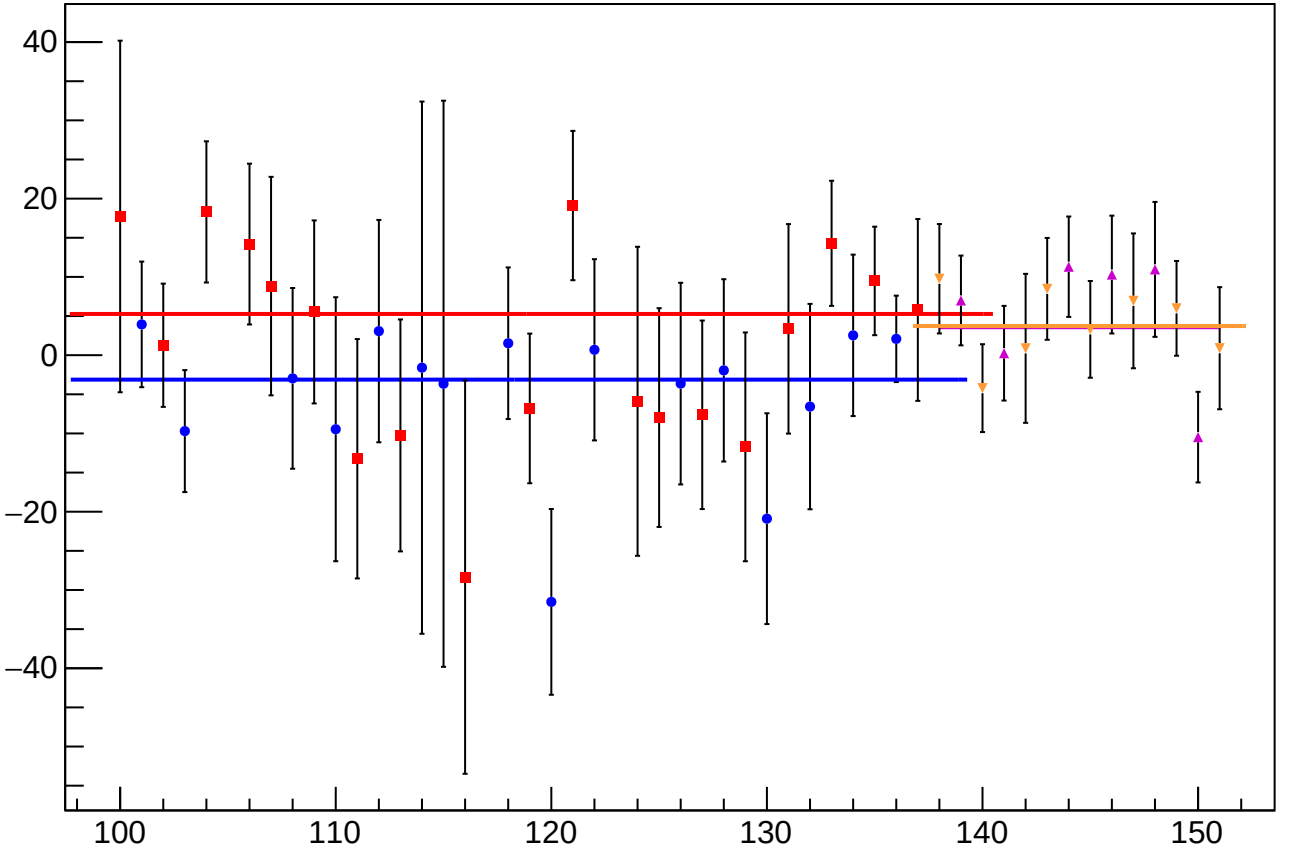
Left In: 8524.731+/-2.655 χ^2/NDF:185262.3/5

+ sign 9608.123+/-1.935 χ^2/NDF: 1931912.1/23

All: 9873.984+/-1.422 χ^2/NDF: 3755981.8/48

- sign 10186.481+/-2.098 χ^2/NDF: 1782998.5/24

diff_bpm4eY_mean vs Slug



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 3.722+/-2.423 χ^2/NDF:3.8/7

Right Out: 5.265+/-2.553 χ^2/NDF: 16.9/18

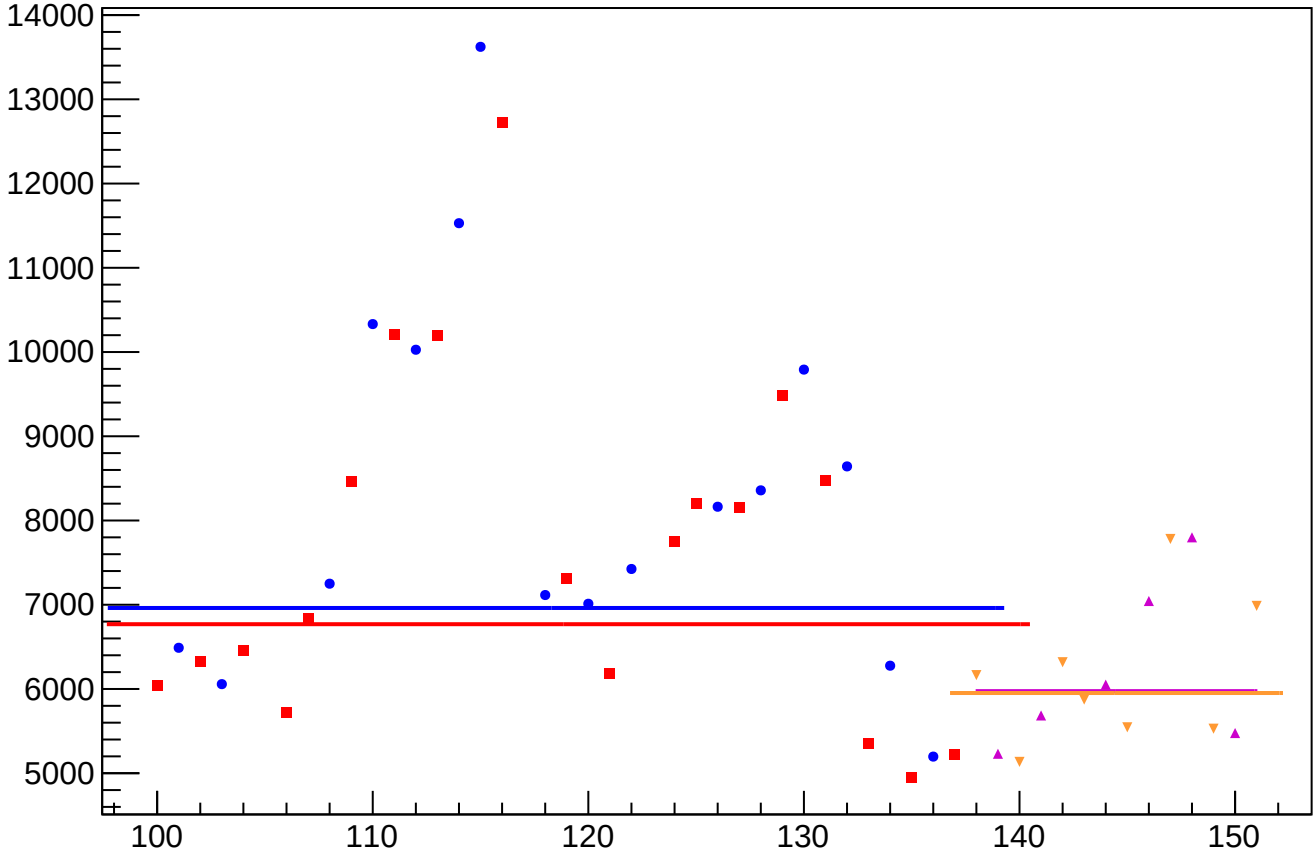
Left In: 3.572+/-2.644 χ^2/NDF:9.5/5

+ sign 0.612+/-1.790 χ^2/NDF: 18.3/23

All: 2.481+/-1.282 χ^2/NDF: 47.2/48

- sign 4.448+/-1.837 χ^2/NDF: 26.6/24

diff_bpm4eY_rms vs Slug



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 5952.134+/-1.714 χ^2/NDF:191331.8/7

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

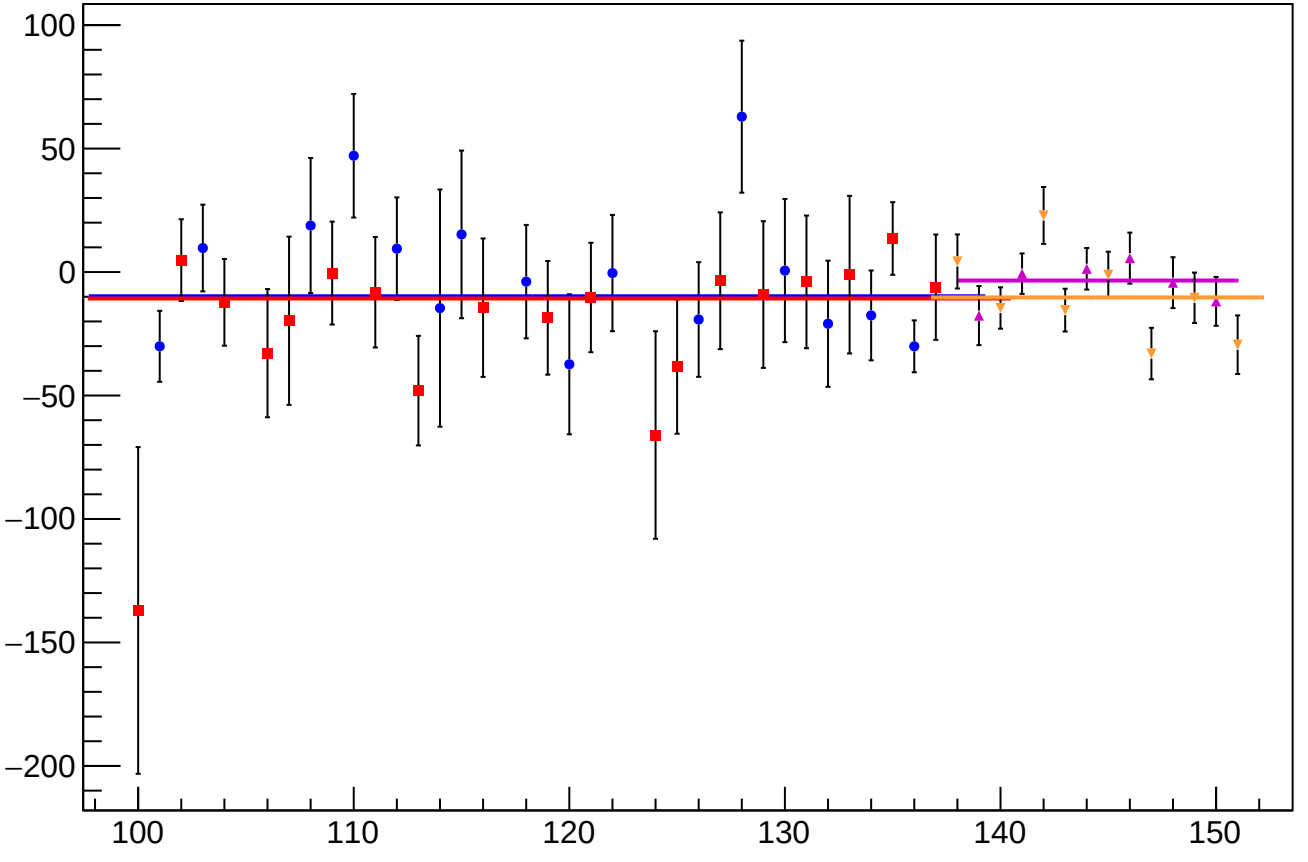
Left In: 5974.407+/-1.870 χ^2/NDF:183407.9/5

+ sign 6410.802+/-1.266 χ^2/NDF: 1045421.0/23

All: 6398.533+/-0.906 χ^2/NDF: 2120597.6/48

- sign 6385.618+/-1.299 χ^2/NDF: 1074983.7/24

diff_bpm4acX_mean vs Slug



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -10.278+/-3.519 χ^2/NDF:19.0/7

Right Out: -10.703+/-5.381 χ^2/NDF: 14.3/18

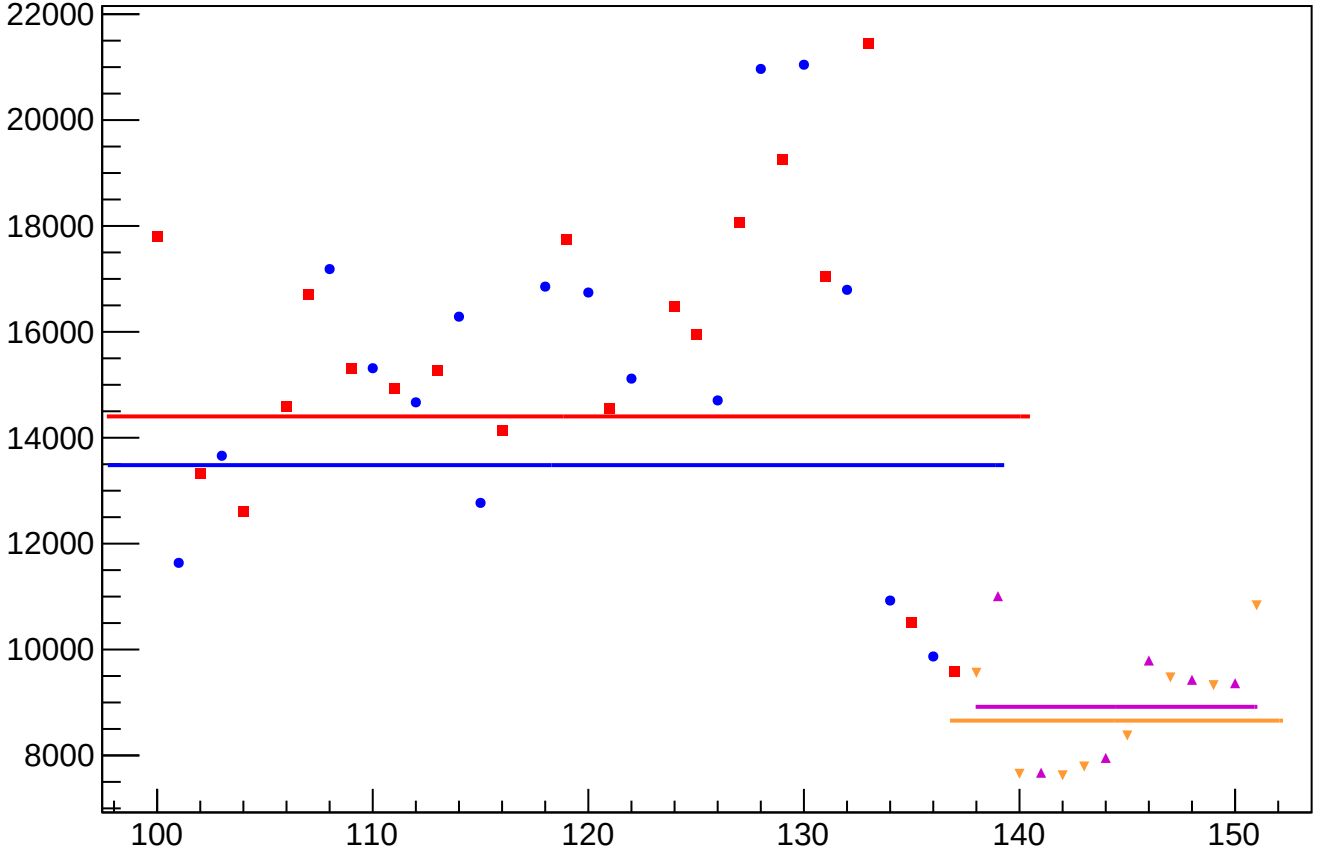
Left In: -3.432+/-3.923 χ^2/NDF:3.3/5

+ sign -10.130+/-2.910 χ^2/NDF: 41.1/23

All: -8.221+/-2.144 χ^2/NDF: 60.8/48

- sign -5.956+/-3.170 χ^2/NDF: 18.8/24

diff_bpm4acX_rms vs Slug



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8657.723+/-2.488 χ^2/NDF:168442.7/7

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

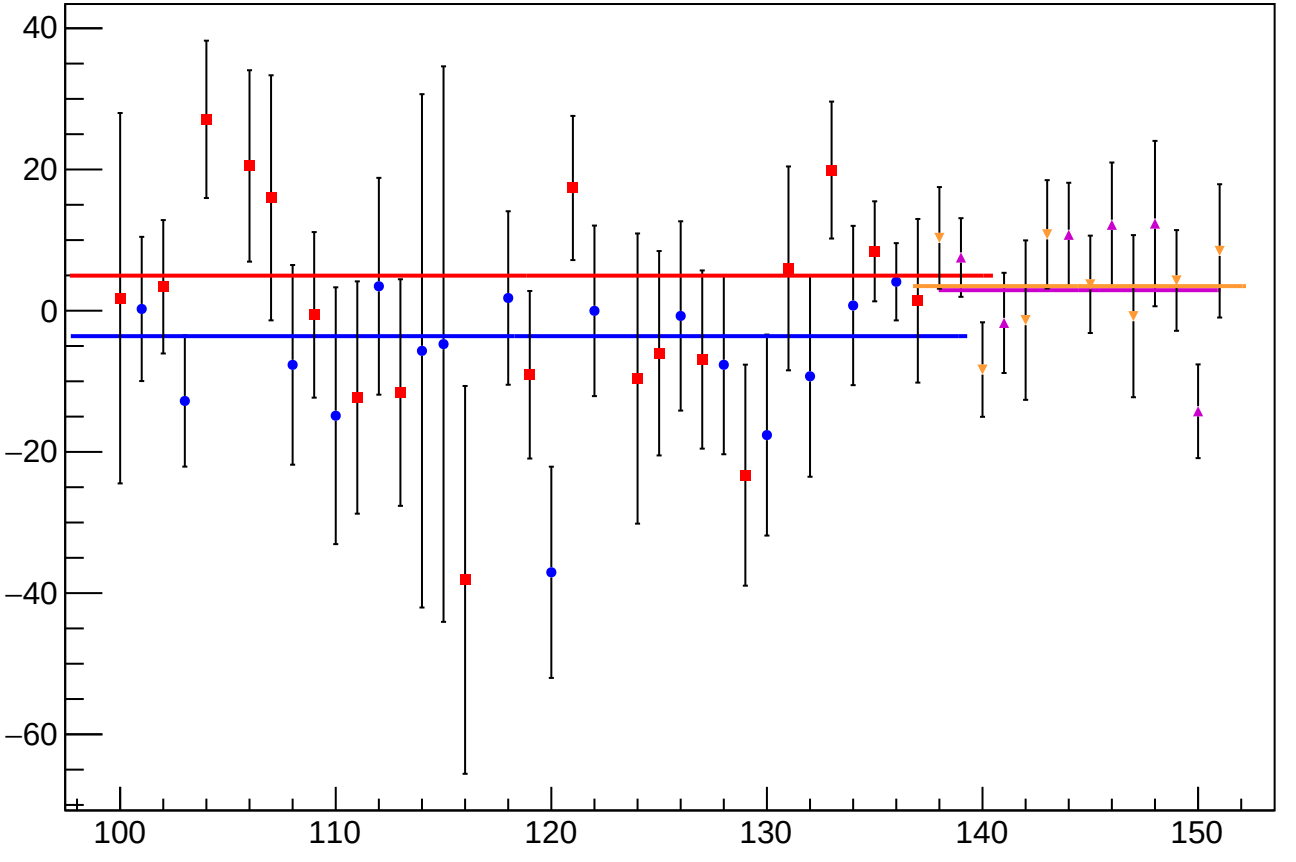
Left In: 8918.180+/-2.774 χ^2/NDF:156728.7/5

\+ sign 10182.092+/-2.058 χ^2/NDF: 2100169.6/23

All: 10474.626+/-1.516 χ^2/NDF: 4210305.9/4

\- sign 10821.623+/-2.241 χ^2/NDF: 2065963.6/24

diff_bpm4acY_mean vs Slug



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 3.482+/-2.817 χ^2/NDF:5.5/7

Right Out: 4.965+/-2.855 χ^2/NDF: 21.4/18

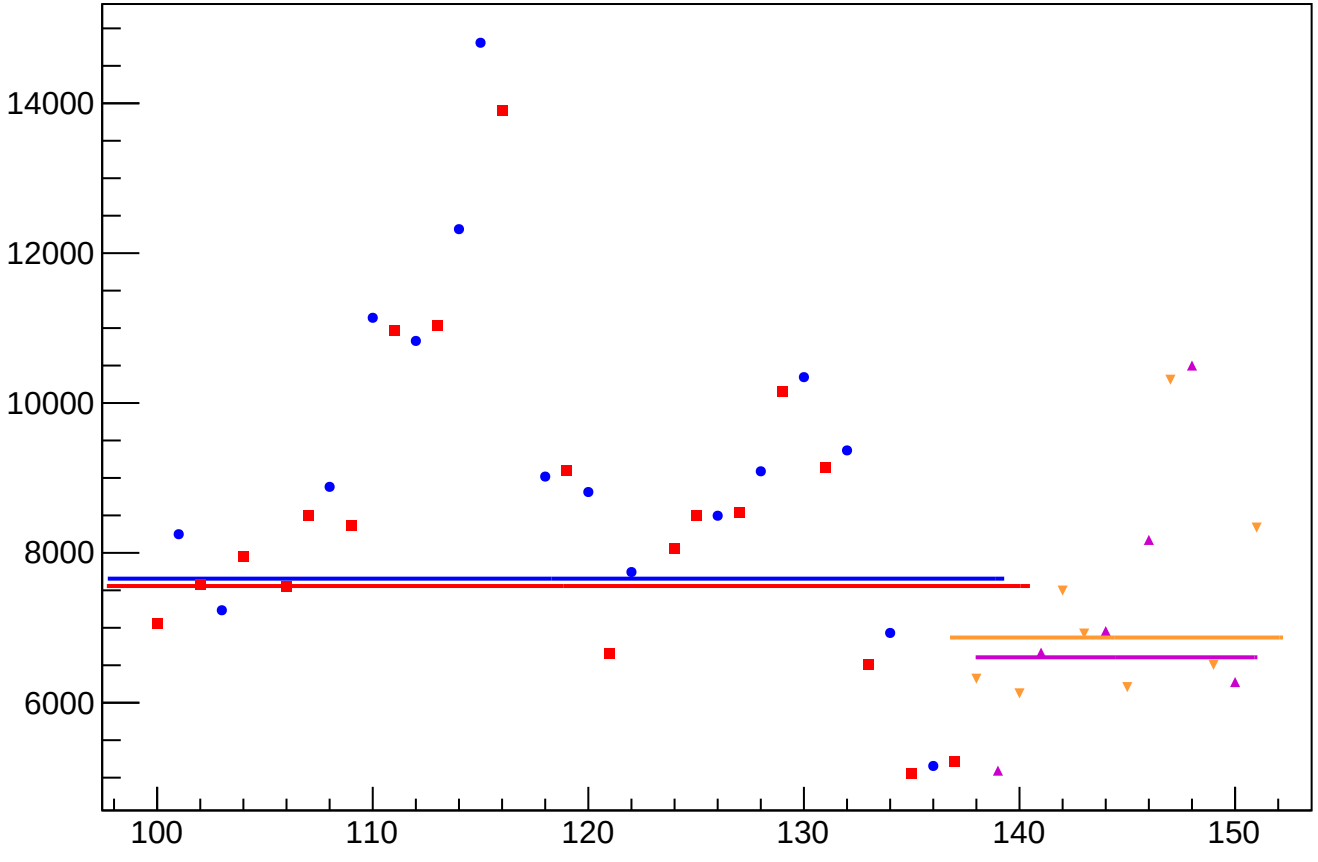
Left In: 2.907+/-2.970 χ^2/NDF:10.7/5

+ sign 0.089+/-2.034 χ^2/NDF: 19.1/23

All: 2.010+/-1.447 χ^2/NDF: 53.2/48

- sign 3.977+/-2.058 χ^2/NDF: 32.3/24

diff_bpm4acY_rms vs Slug



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6870.194+/-1.992 χ^2/NDF:294301.9/7

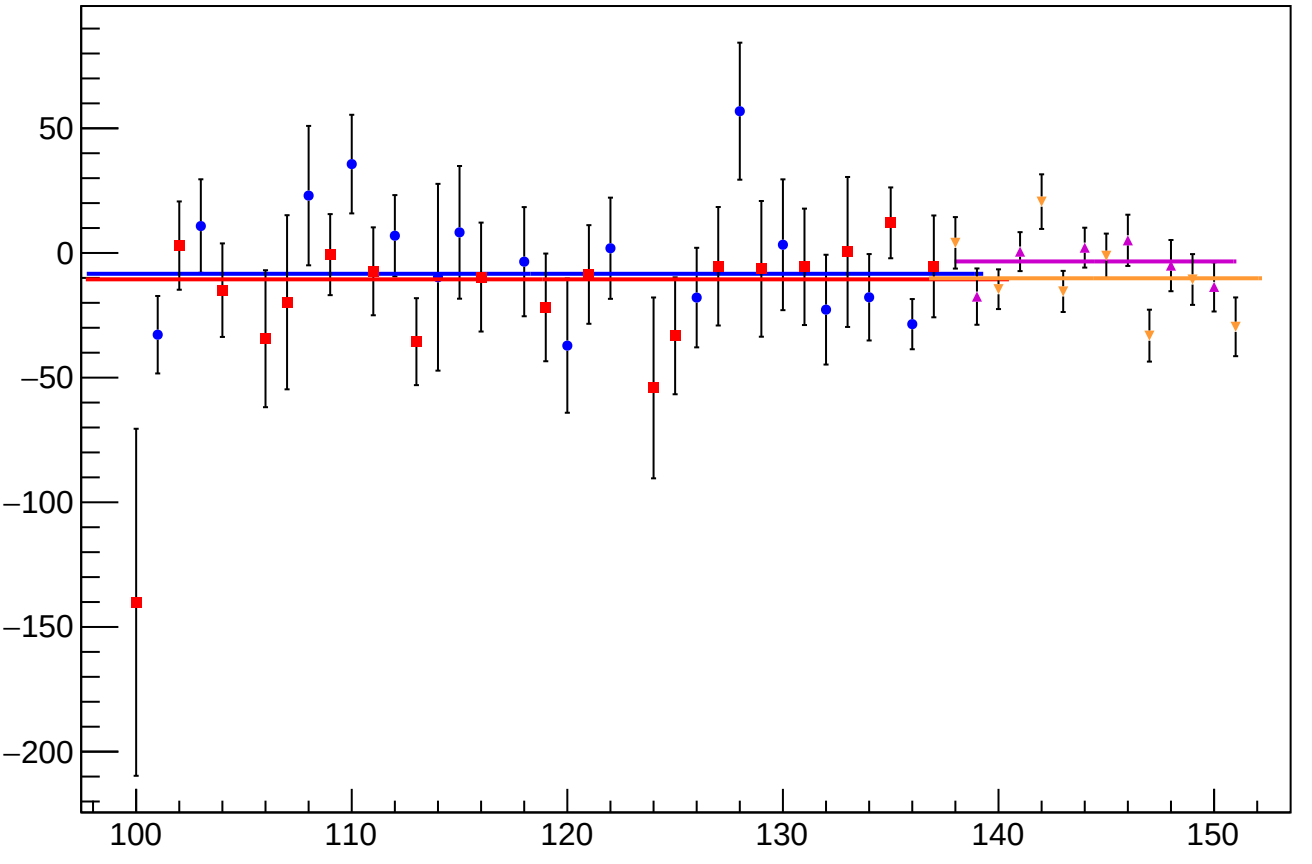
Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

Left In: 6606.114+/-2.100 χ^2/NDF:441326.9/5

+ sign 7246.313+/-1.438 χ^2/NDF: 1248524.0/23

All: 7174.285+/-1.023 χ^2/NDF: 2611429.4/48

- sign 7100.527+/-1.456 χ^2/NDF: 1357829.9/24



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -10.154+/-3.392 χ^2/NDF:19.1/7

Right Out: -10.573+/-4.911 χ^2/NDF: 12.9/18

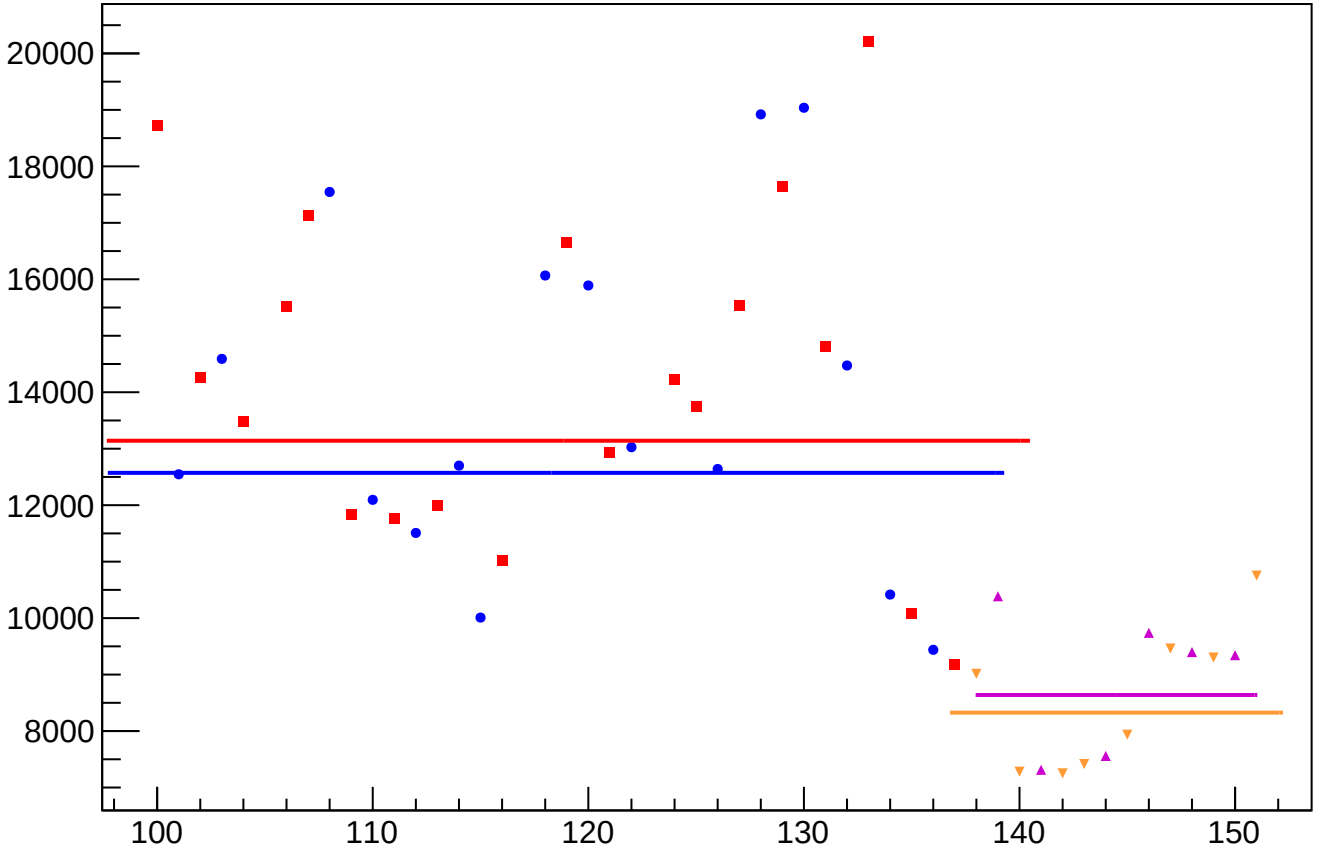
Left In: -3.397+/-3.805 χ^2/NDF:4.1/5

+ sign -9.556+/-2.773 χ^2/NDF: 42.5/23

All: -7.963+/-2.039 χ^2/NDF: 61.5/48

- sign -6.089+/-3.008 χ^2/NDF: 18.3/24

diff_bpm4ecX_rms vs Slug



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 8326.574+/-2.399 χ^2/NDF:217797.8/7

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

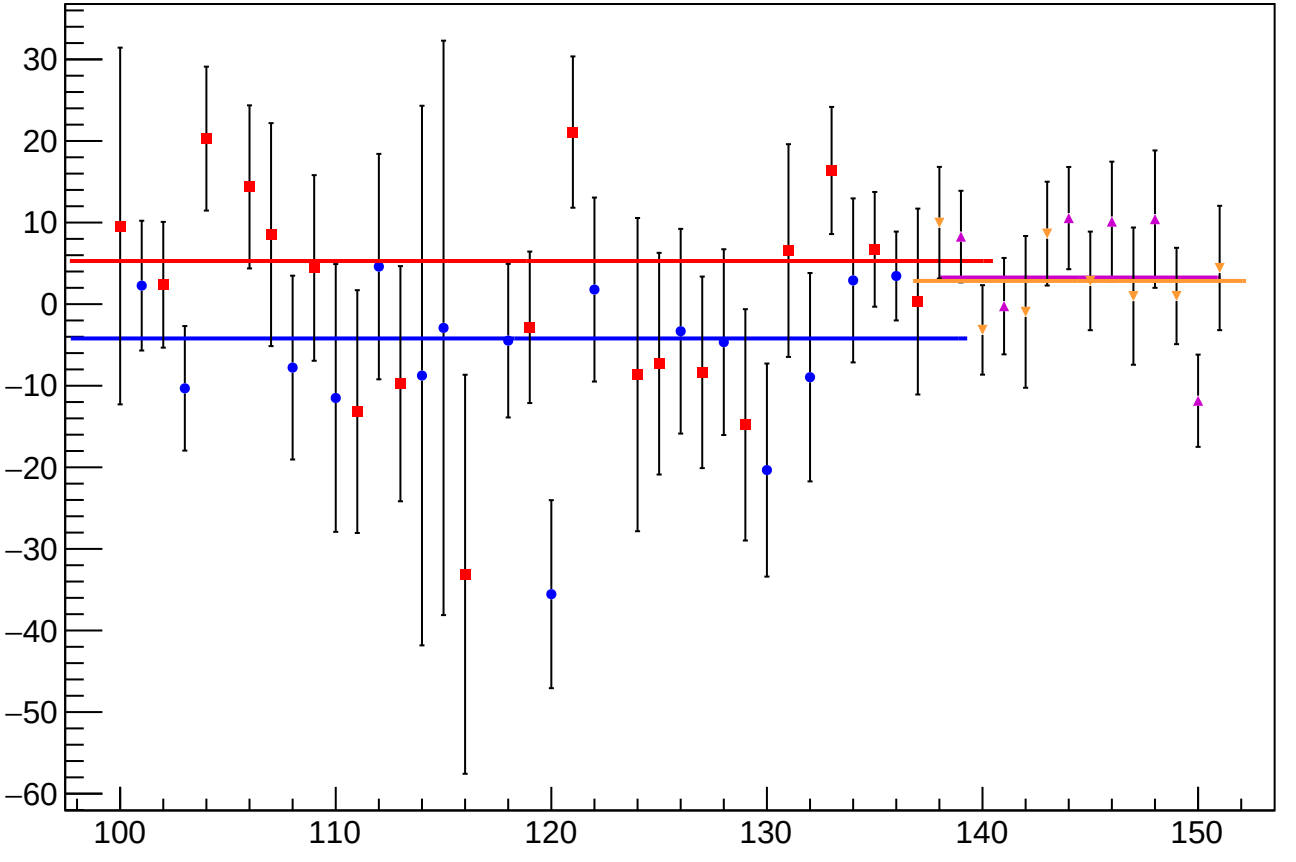
Left In: 8638.818+/-2.691 χ^2/NDF:185951.6/5

+ sign 9735.504+/-1.961 χ^2/NDF: 1922545.6/23

All: 10007.659+/-1.442 χ^2/NDF: 3735605.7/4

- sign 10327.894+/-2.127 χ^2/NDF: 1771124.7/24

diff_bpm4ecY_mean vs Slug



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 2.845+/-2.368 χ^2/NDF:3.5/7

Right Out: 5.288+/-2.502 χ^2/NDF: 19.7/18

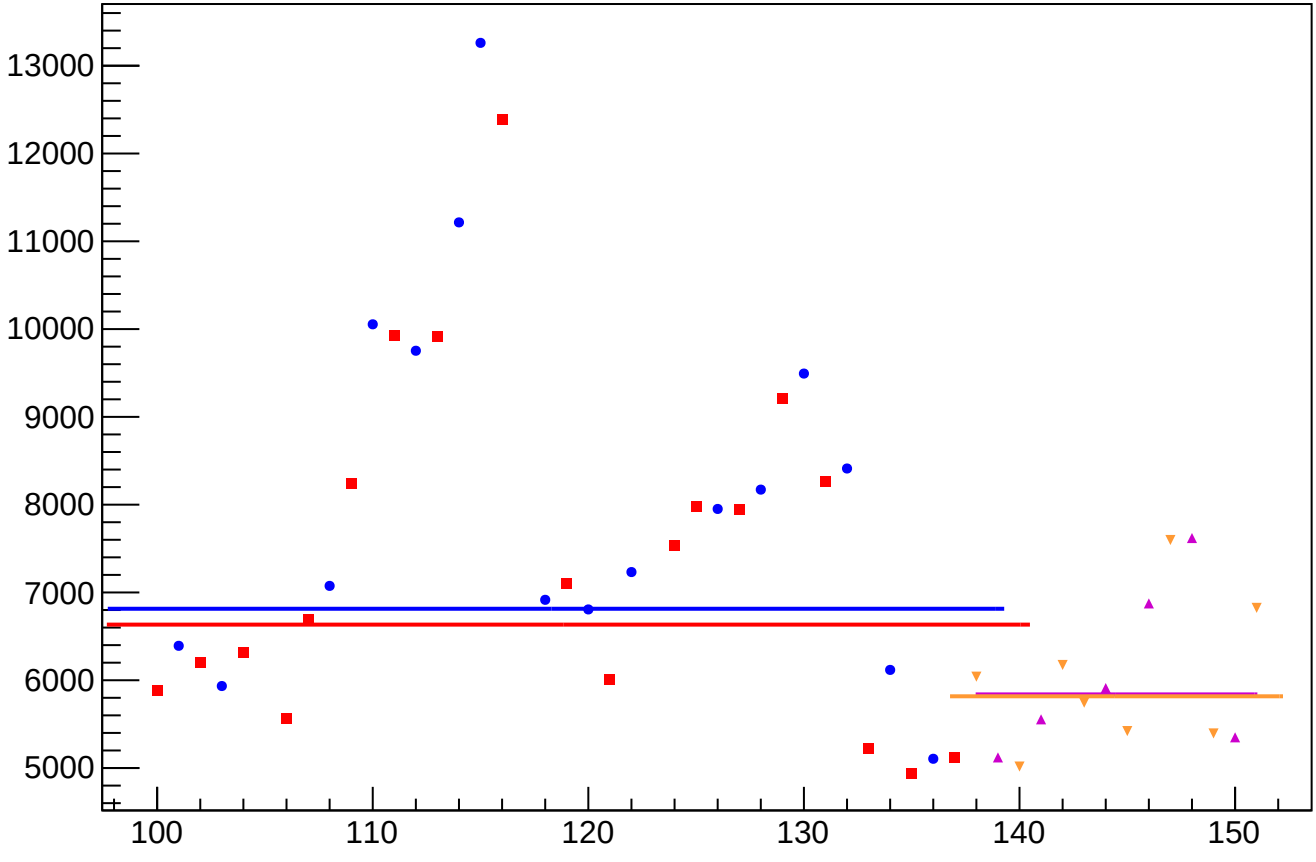
Left In: 3.262+/-2.584 χ^2/NDF:11.2/5

+ sign -0.351+/-1.751 χ^2/NDF: 21.3/23

All: 1.917+/-1.254 χ^2/NDF: 56.1/48

- sign 4.307+/-1.797 χ^2/NDF: 31.3/24

diff_bpm4ecY_rms vs Slug



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 5817.177+/-1.675 χ^2/NDF:191351.3/7

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

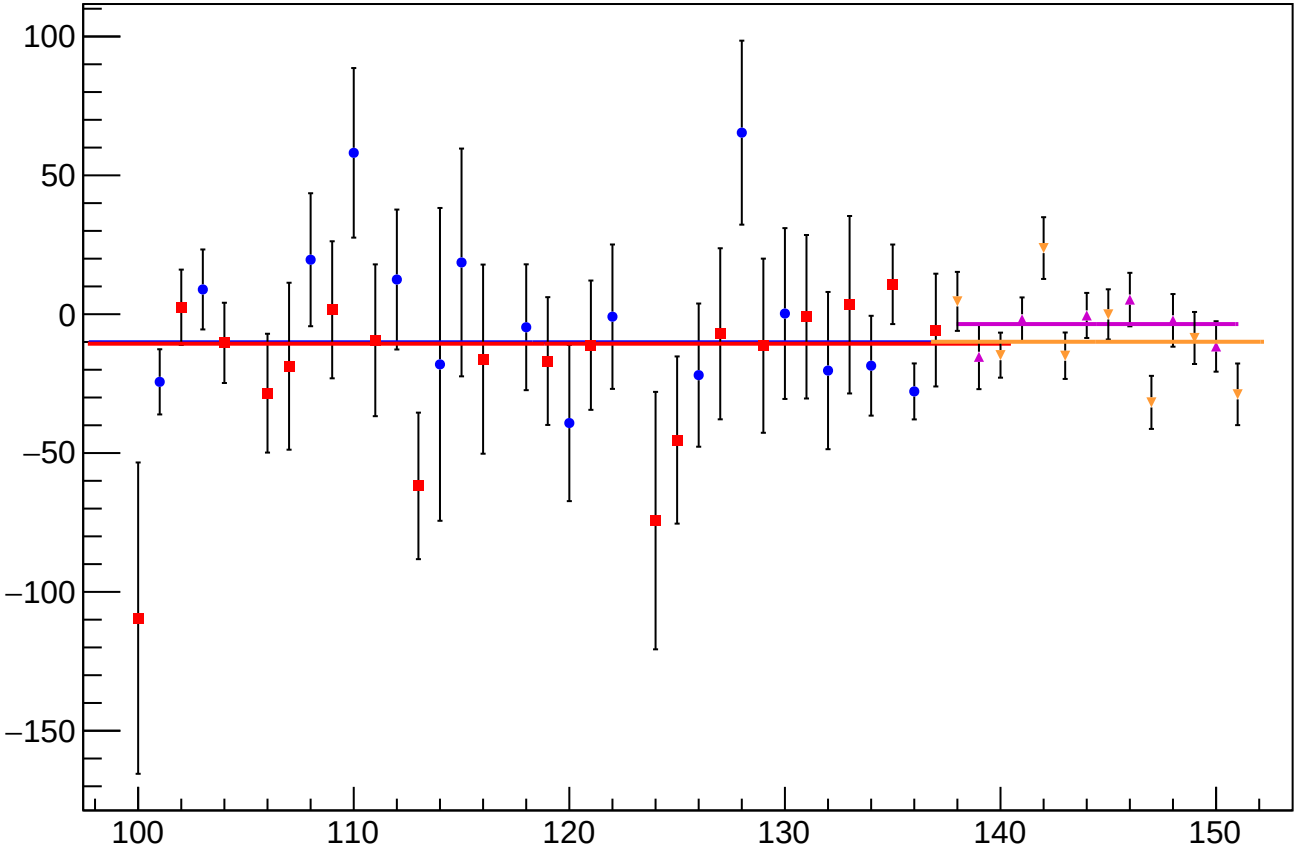
Left In: 5838.663+/-1.827 χ^2/NDF:181854.4/5

+ sign 6269.297+/-1.238 χ^2/NDF: 1026172.8/23

All: 6259.403+/-0.887 χ^2/NDF: 2069224.7/48

- sign 6248.978+/-1.271 χ^2/NDF: 1042920.8/24

diff_bpm1X_mean vs Slug



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -9.925+/-3.349 χ^2/NDF:21.1/7

Right Out: -10.624+/-5.277 χ^2/NDF: 14.7/18

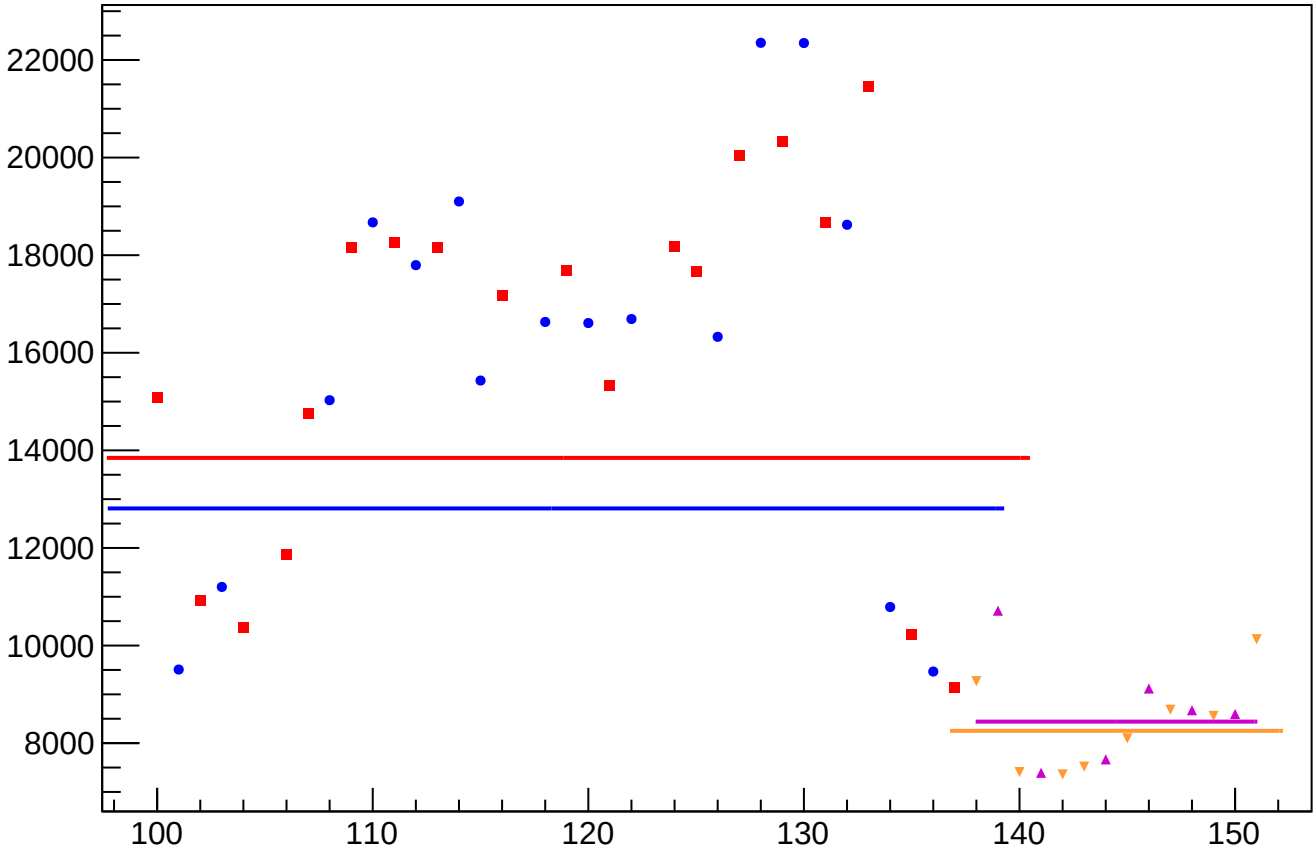
Left In: -3.554+/-3.711 χ^2/NDF:2.9/5

+ sign -9.983+/-2.785 χ^2/NDF: 42.4/23

All: -8.114+/-2.052 χ^2/NDF: 62.2/48

- sign -5.893+/-3.035 χ^2/NDF: 18.8/24

diff_bpm1X_rms vs Slug



Right In: 12809.964+/-3.548 χ^2/NDF: 1248252.1/15

Left Out: 8252.757+/-2.368 χ^2/NDF:132466.7/7

Right Out: 13845.622+/-3.731 χ^2/NDF: 1096555.2/18

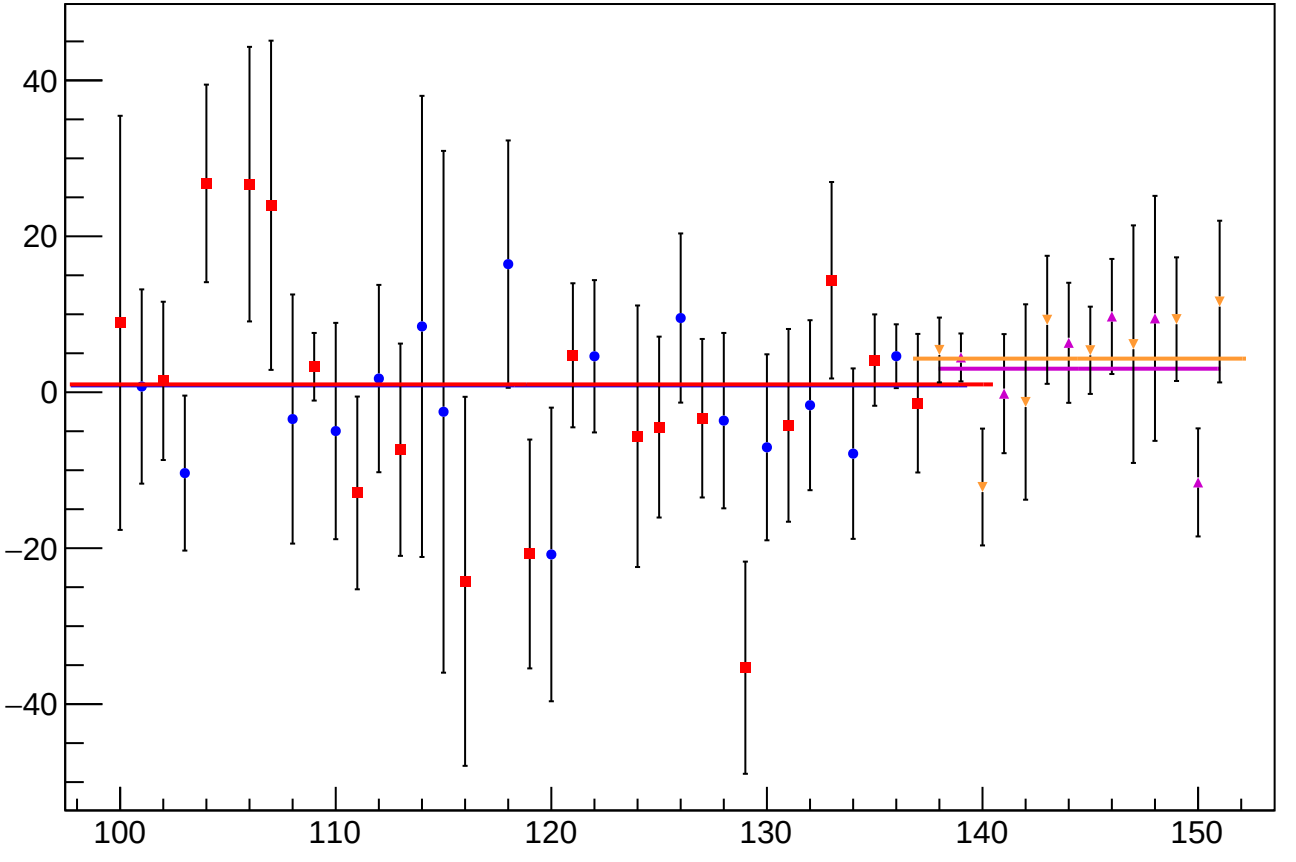
Left In: 8441.003+/-2.624 χ^2/NDF:141386.6/5

+ sign 9657.266+/-1.970 χ^2/NDF: 2522238.9/23

All: 9918.797+/-1.451 χ^2/NDF: 5202637.0/48

- sign 10229.387+/-2.146 χ^2/NDF: 2641824.6/24

diff_bpm1Y_mean vs Slug



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 4.313+/-2.513 χ^2/NDF:6.4/7

Right Out: 1.006+/-2.314 χ^2/NDF: 22.3/18

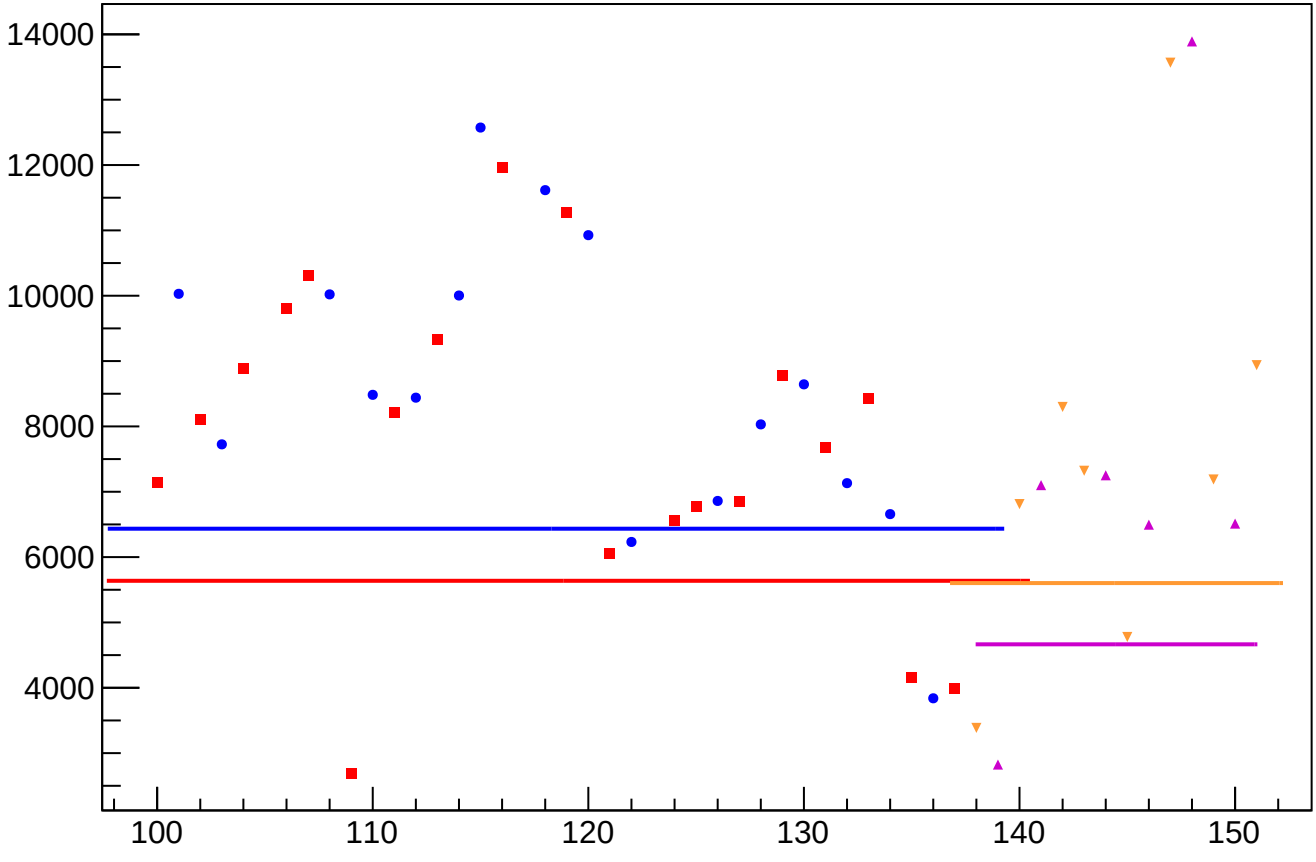
Left In: 3.020+/-2.337 χ^2/NDF:6.0/5

+ sign 2.634+/-1.795 χ^2/NDF: 14.2/23

All: 2.291+/-1.212 χ^2/NDF: 42.9/48

- sign 2.003+/-1.644 χ^2/NDF: 28.7/24

diff_bpm1Y_rms vs Slug



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 5602.519+/-1.777 χ^2/NDF:1678119.2/7

Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

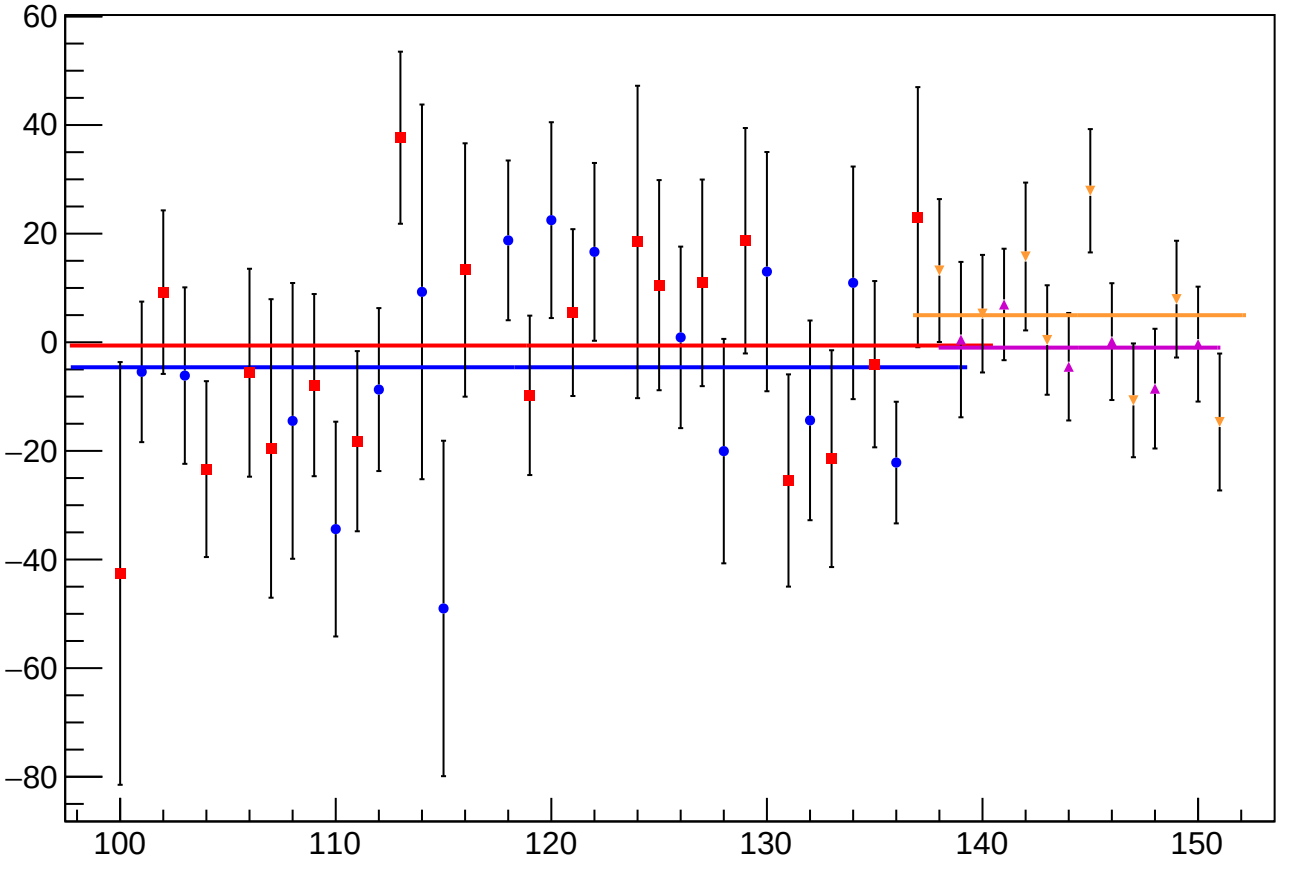
Left In: 4665.155+/-1.652 χ^2/NDF:2101608.1/5

\+ sign 6009.793+/-1.269 χ^2/NDF: 3536074.5/23

All: 5545.423+/-0.857 χ^2/NDF: 8638531.9/48

\- sign 5155.980+/-1.163 χ^2/NDF: 4856433.4/24

diff_bpm11X_mean vs Slug



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: 4.984+/-4.037 χ^2/NDF:10.0/7

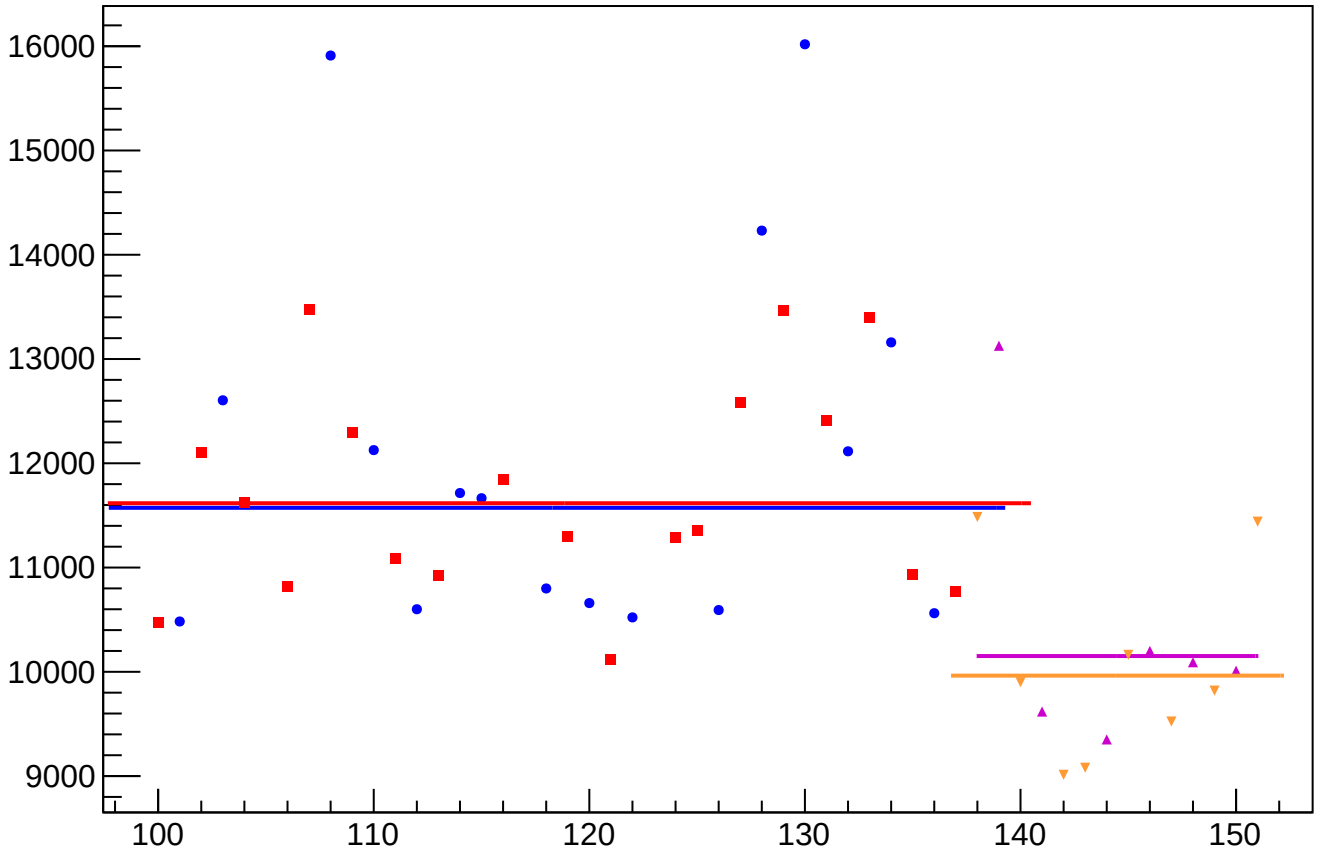
Right Out: -0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: -0.986+/-4.454 χ^2/NDF:1.2/5

+ sign 0.554+/-2.961 χ^2/NDF: 28.4/23

All: -0.089+/-2.135 χ^2/NDF: 47.6/48

- sign -0.785+/-3.081 χ^2/NDF: 19.1/24



Right In: 11573.073+/-3.079 χ^2/NDF: 260067.0/15

Left Out: 9963.494+/-2.855 χ^2/NDF:83902.6/7

Right Out: 11616.773+/-3.017 χ^2/NDF: 93165.6/18

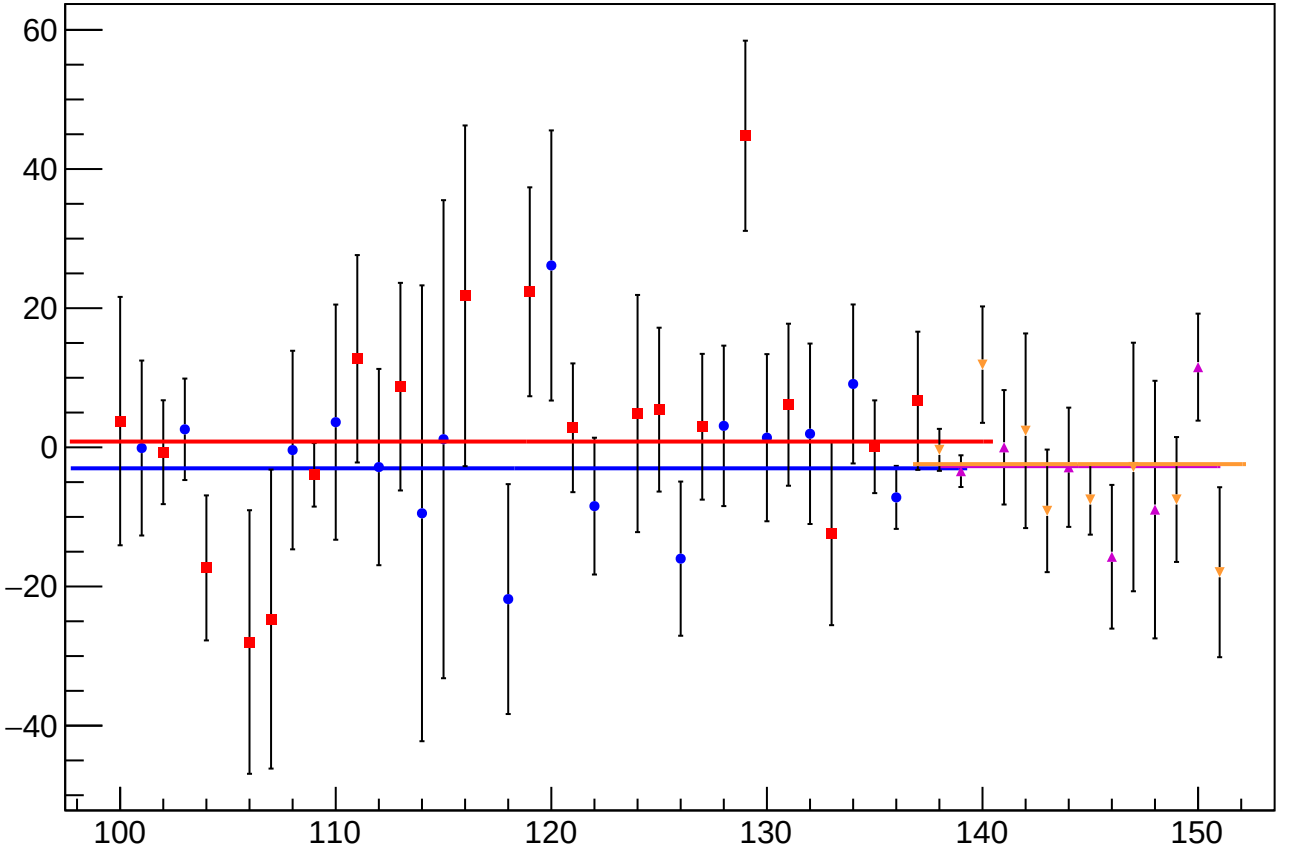
Left In: 10151.248+/-3.150 χ^2/NDF:105436.2/5

+ sign 10707.422+/-2.093 χ^2/NDF: 490918.7/23

All: 10807.339+/-1.510 χ^2/NDF: 807175.0/48

- sign 10915.563+/-2.179 χ^2/NDF: 311510.8/24

diff_bpm11Y_mean vs Slug



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: -2.413+/-2.217 χ^2/NDF:7.0/7

Right Out: 0.831+/-2.352 χ^2/NDF: 23.8/18

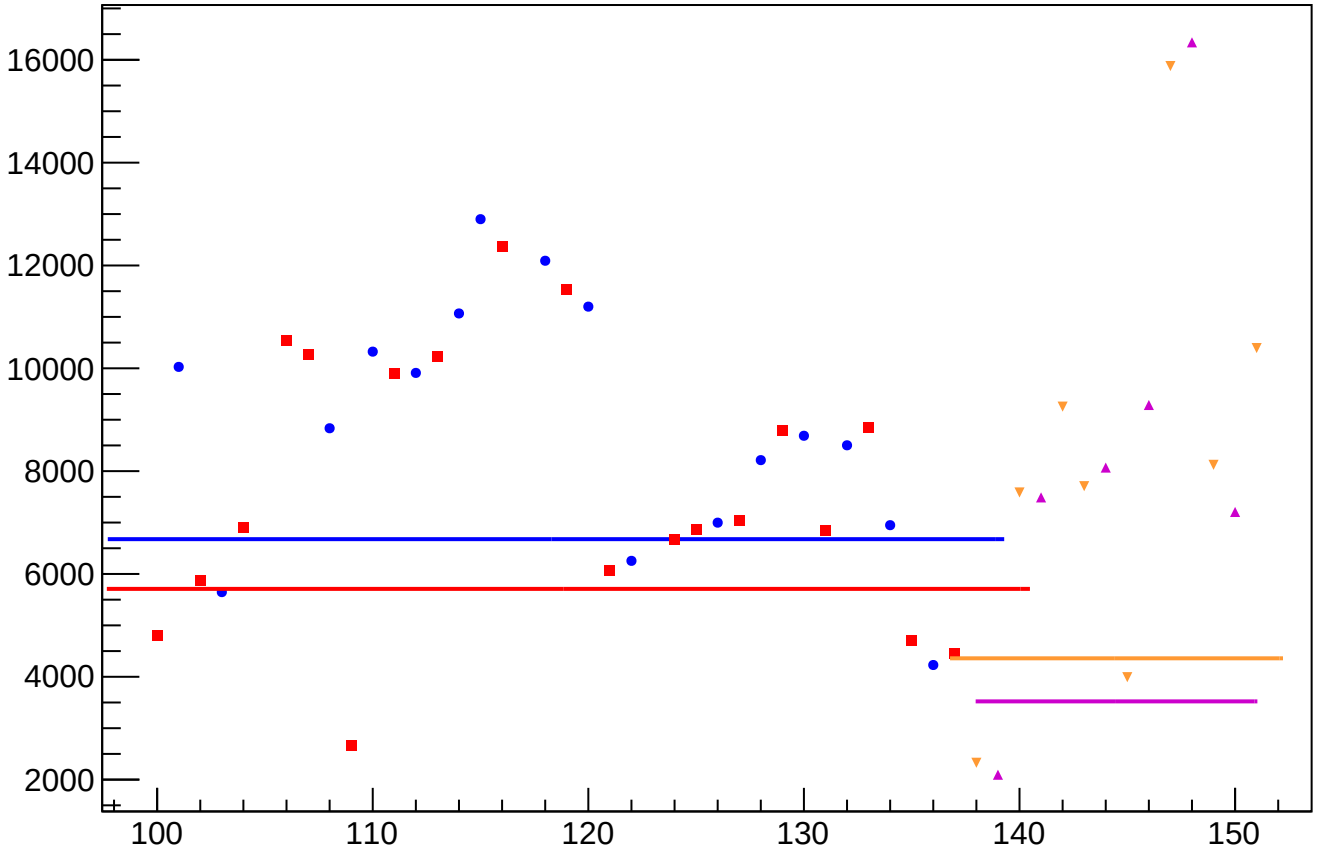
Left In: -2.704+/-2.000 χ^2/NDF:5.3/5

+ sign -2.660+/-1.701 χ^2/NDF: 15.7/23

All: -1.861+/-1.135 χ^2/NDF: 46.6/48

- sign -1.220+/-1.524 χ^2/NDF: 30.5/24

diff_bpm11Y_rms vs Slug



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 4359.287+/-1.567 χ^2/NDF:3419674.8/7

Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

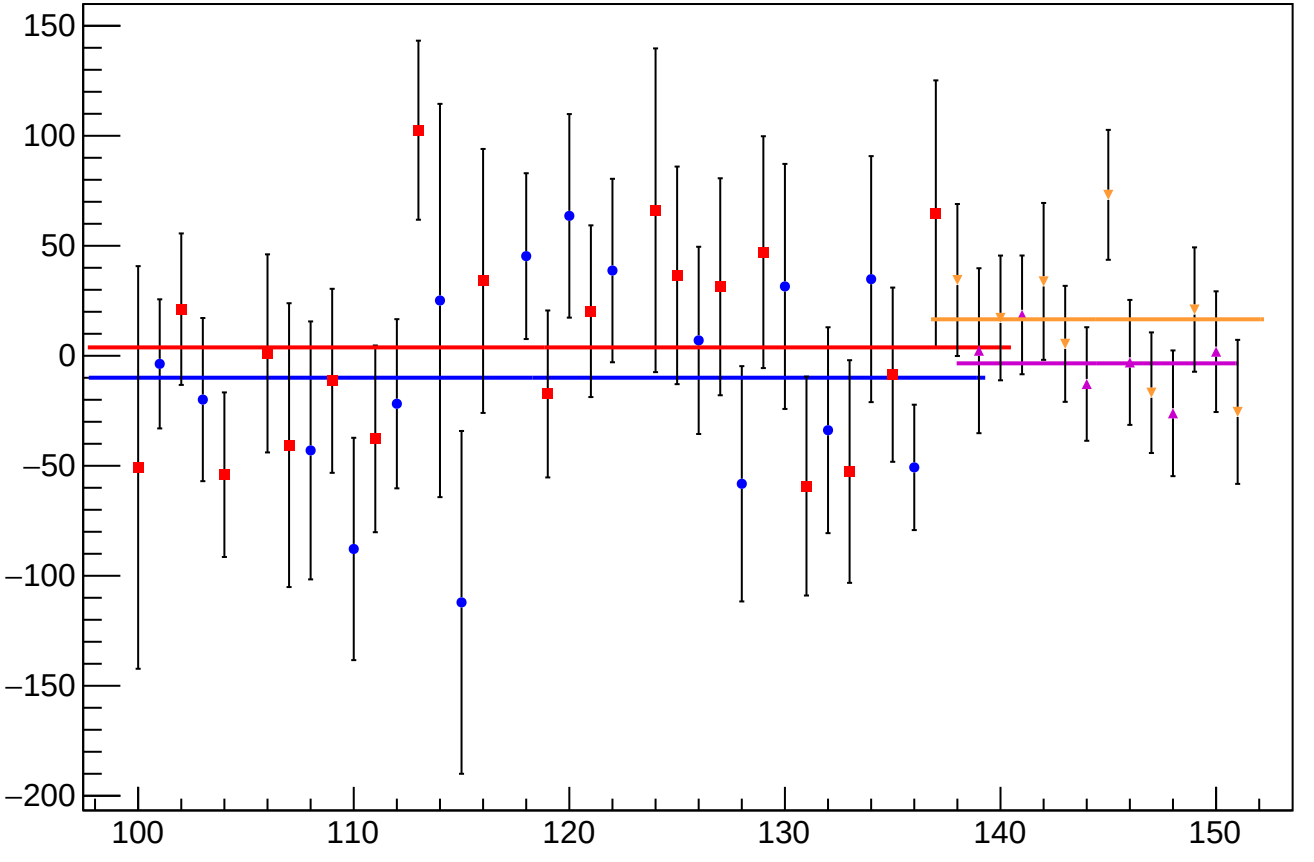
Left In: 3521.605+/-1.414 χ^2/NDF:3852679.5/5

\+ sign 5311.685+/-1.203 χ^2/NDF: 5890983.6/23

All: 4828.028+/-0.803 χ^2/NDF: 13340782.9/4

\- sign 4440.138+/-1.077 χ^2/NDF: 7158530.7/24

diff_bpm12X_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 16.585+/-10.559 χ^2/NDF:7.5/7

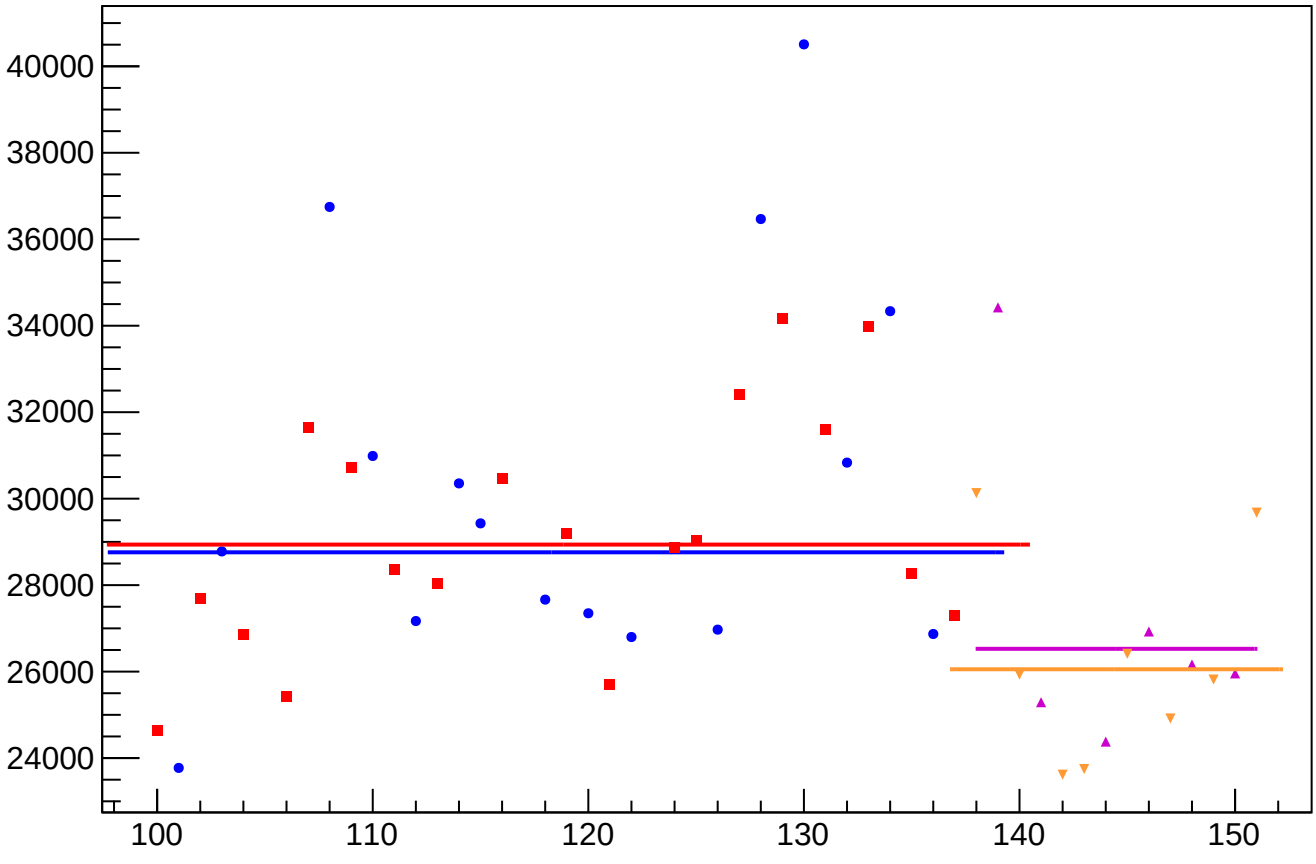
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -3.436+/-11.641 χ^2/NDF:1.5/5

+ sign 3.652+/-7.563 χ^2/NDF: 25.9/23

All: 2.143+/-5.447 χ^2/NDF: 45.0/48

- sign 0.515+/-7.852 χ^2/NDF: 19.0/24



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 26054.212+/-7.466 χ^2/NDF:80901.4/7

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

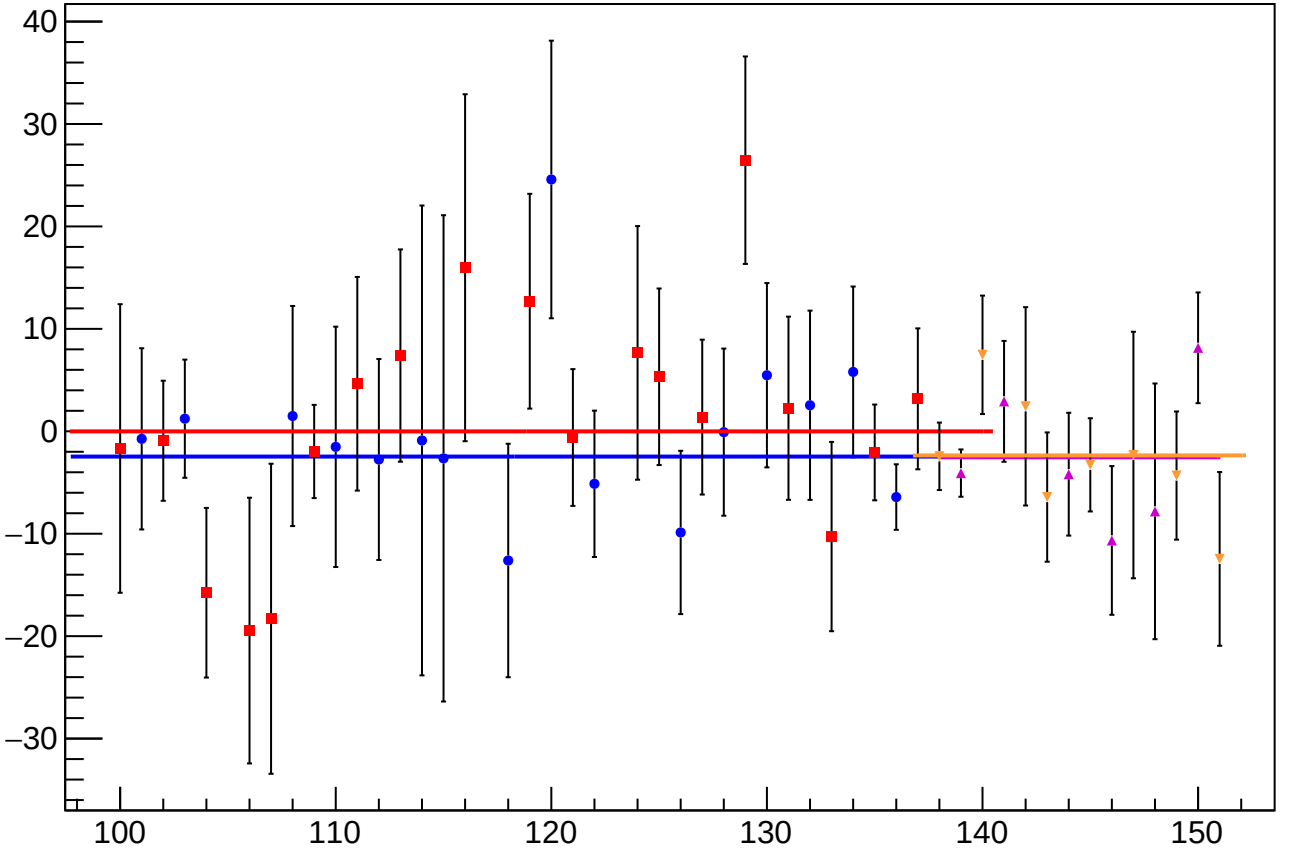
Left In: 26527.155+/-8.232 χ^2/NDF:108352.4/5

+ sign 27371.621+/-5.348 χ^2/NDF: 422461.9/23

All: 27597.451+/-3.852 χ^2/NDF: 687522.6/48

- sign 27840.916+/-5.552 χ^2/NDF: 261354.5/24

diff_bpm12Y_mean vs Slug



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -2.356+/-1.990 χ^2/NDF:5.1/7

Right Out: -0.009+/-1.828 χ^2/NDF: 20.0/18

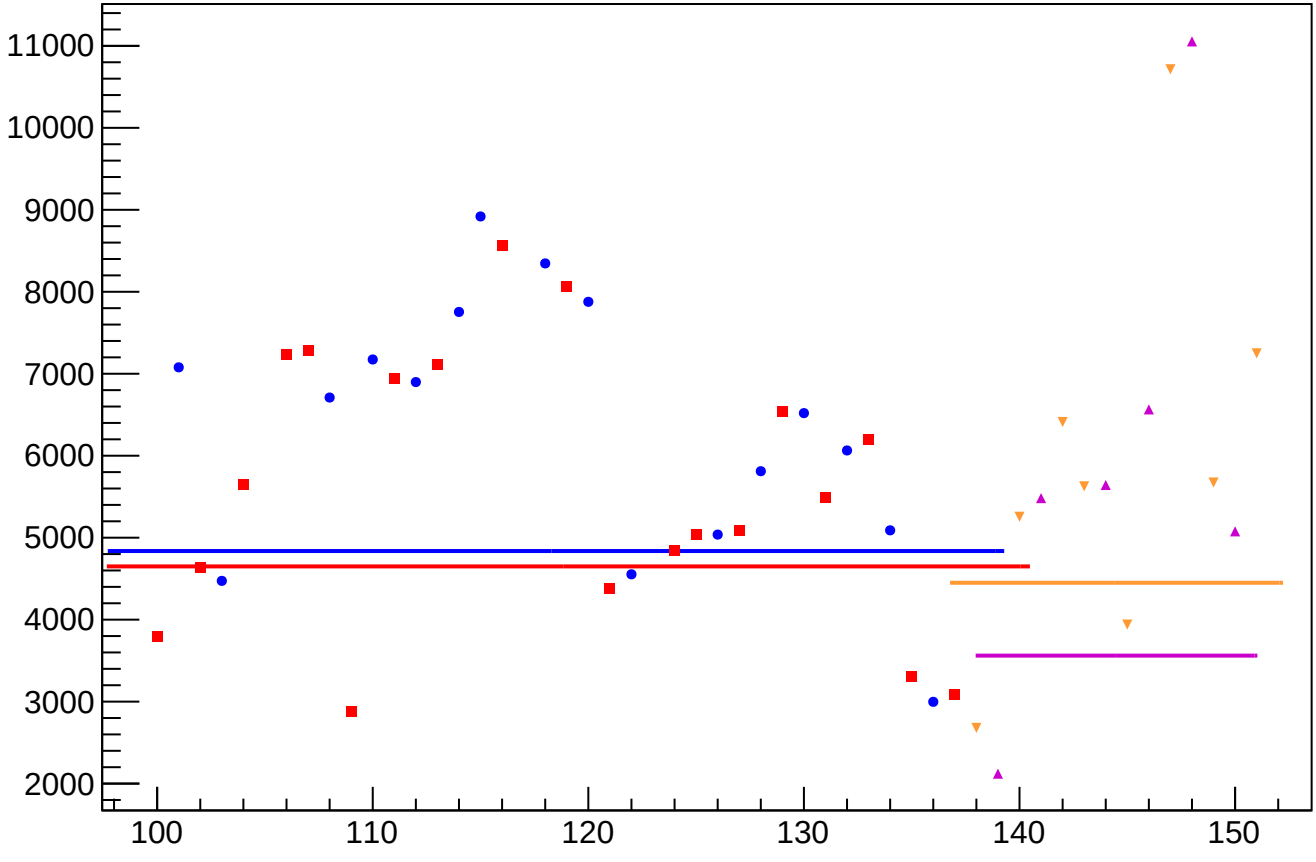
Left In: -2.539+/-1.814 χ^2/NDF:6.7/5

+ sign -2.414+/-1.380 χ^2/NDF: 15.2/23

All: -1.810+/-0.942 χ^2/NDF: 43.2/48

- sign -1.284+/-1.288 χ^2/NDF: 27.7/24

diff_bpm12Y_rms vs Slug



Right In: 4837.176+/-1.355 χ^2/NDF: 1547766.9/15

Left Out: 4450.218+/-1.407 χ^2/NDF:1629897.9/7

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

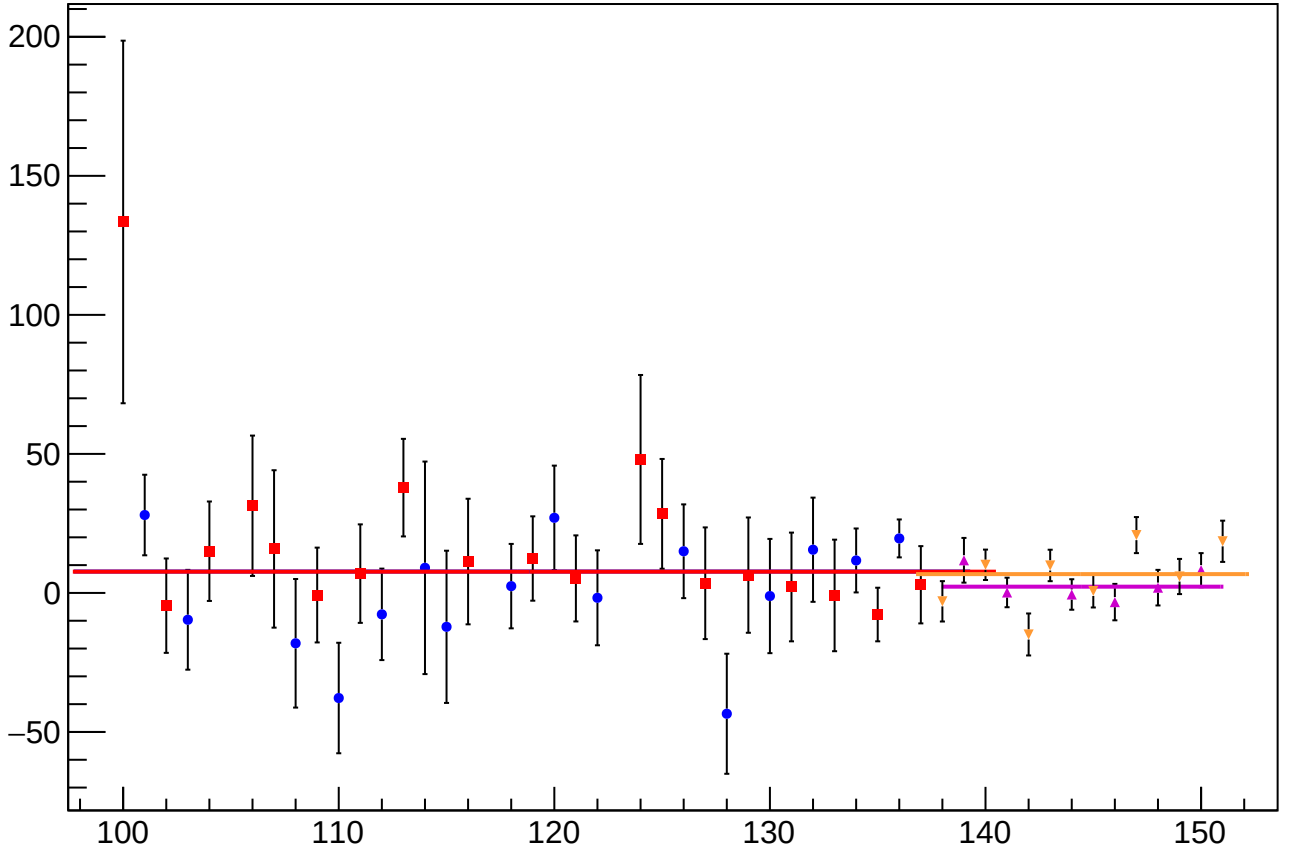
Left In: 3561.252+/-1.283 χ^2/NDF:2452254.5/5

+ sign 4651.044+/-0.976 χ^2/NDF: 3216919.2/23

All: 4357.185+/-0.666 χ^2/NDF: 7630485.8/48

- sign 4101.305+/-0.911 χ^2/NDF: 4243920.7/24

diff_bpm16X_mean vs Slug



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 6.768+/-2.257 χ^2/NDF:19.0/7

Right Out: 7.650+/-4.099 χ^2/NDF: 14.6/18

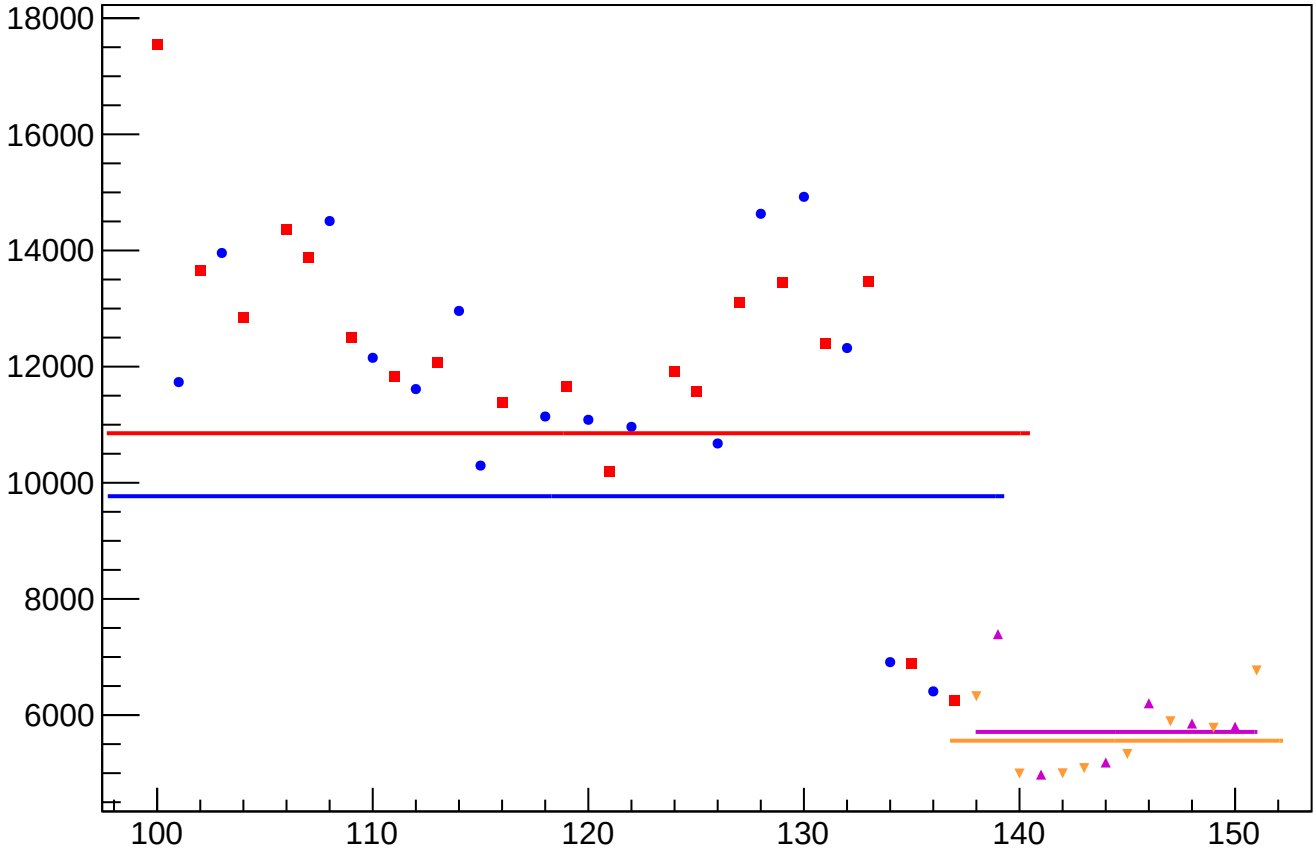
Left In: 2.251+/-2.512 χ^2/NDF:3.5/5

+ sign 7.009+/-1.943 χ^2/NDF: 40.7/23

All: 5.527+/-1.439 χ^2/NDF: 61.3/48

- sign 3.725+/-2.142 χ^2/NDF: 19.3/24

diff_bpm16X_rms vs Slug



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5558.805+/-1.596 χ^2/NDF:132606.5/7

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

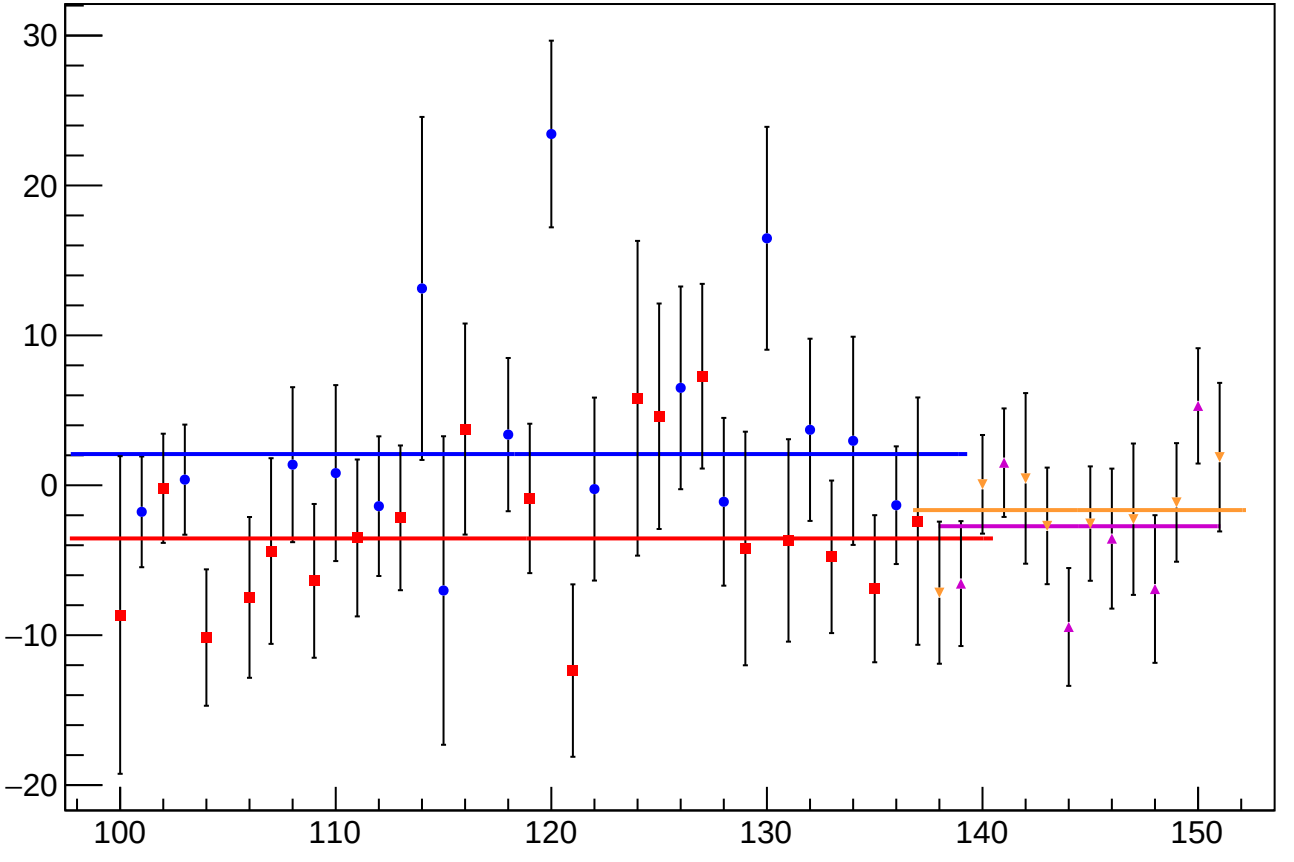
Left In: 5710.112+/-1.776 χ^2/NDF:157137.6/5

+ sign 6648.027+/-1.374 χ^2/NDF: 3147212.9/23

All: 6858.463+/-1.018 χ^2/NDF: 6519393.5/48

- sign 7114.203+/-1.515 χ^2/NDF: 3320206.4/24

diff_bpm16Y_mean vs Slug



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -1.656+/-1.497 χ^2/NDF:2.4/7

Right Out: -3.546+/-1.304 χ^2/NDF: 13.4/18

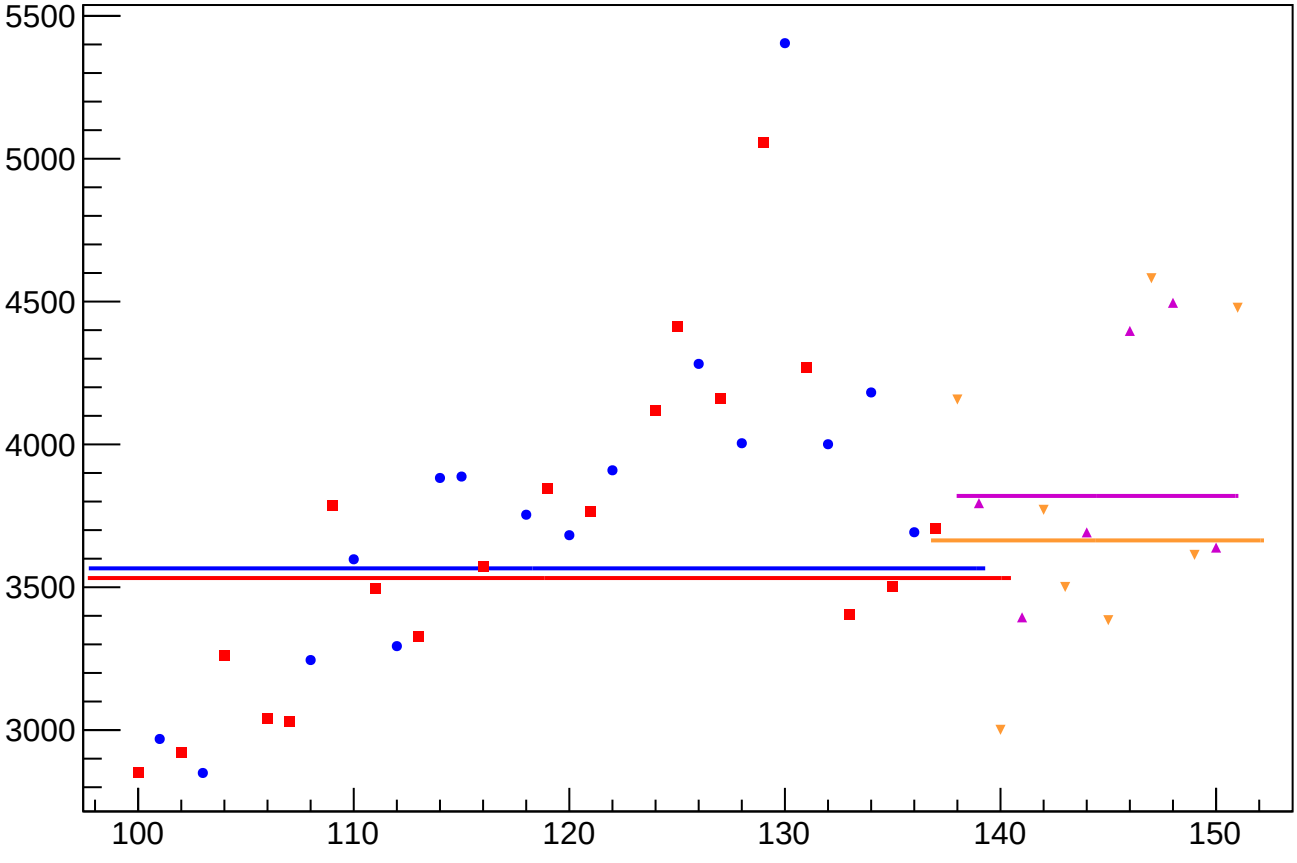
Left In: -2.732+/-1.682 χ^2/NDF:10.2/5

+ sign 0.412+/-1.001 χ^2/NDF: 26.8/23

All: -1.360+/-0.718 χ^2/NDF: 57.1/48

- sign -3.241+/-1.031 χ^2/NDF: 23.8/24

diff_bpm16Y_rms vs Slug



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 3663.953+/-1.058 χ^2/NDF:238199.9/7

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

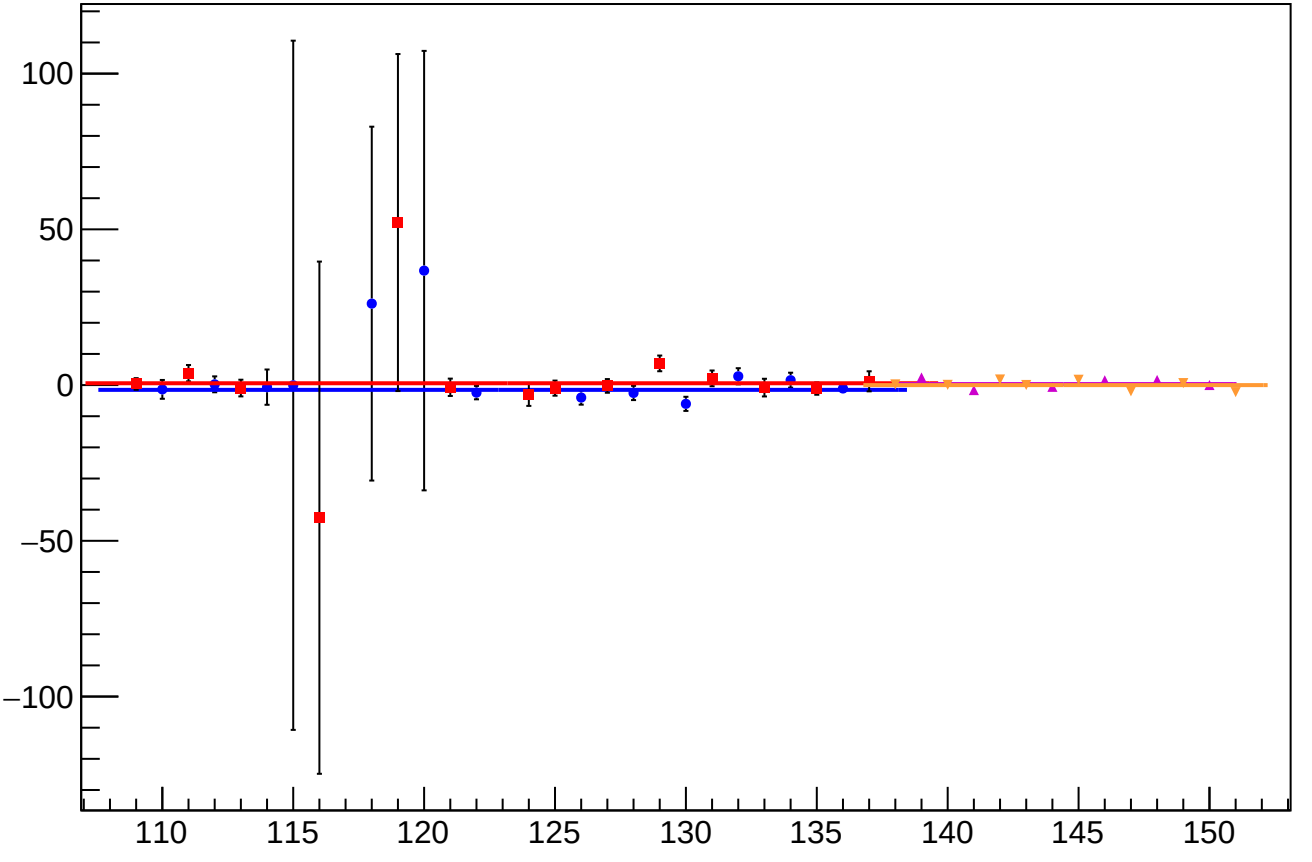
Left In: 3819.656+/-1.190 χ^2/NDF:102453.0/5

+ sign 3609.856+/-0.707 χ^2/NDF: 584029.1/23

All: 3624.529+/-0.508 χ^2/NDF: 1002538.2/48

- sign 3640.101+/-0.729 χ^2/NDF: 417622.6/24

diff_bpm1p02bX_mean vs Slug



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: -0.010+/-0.410 χ^2/NDF:11.1/7

Right Out: 0.588+/-0.717 χ^2/NDF: 12.7/13

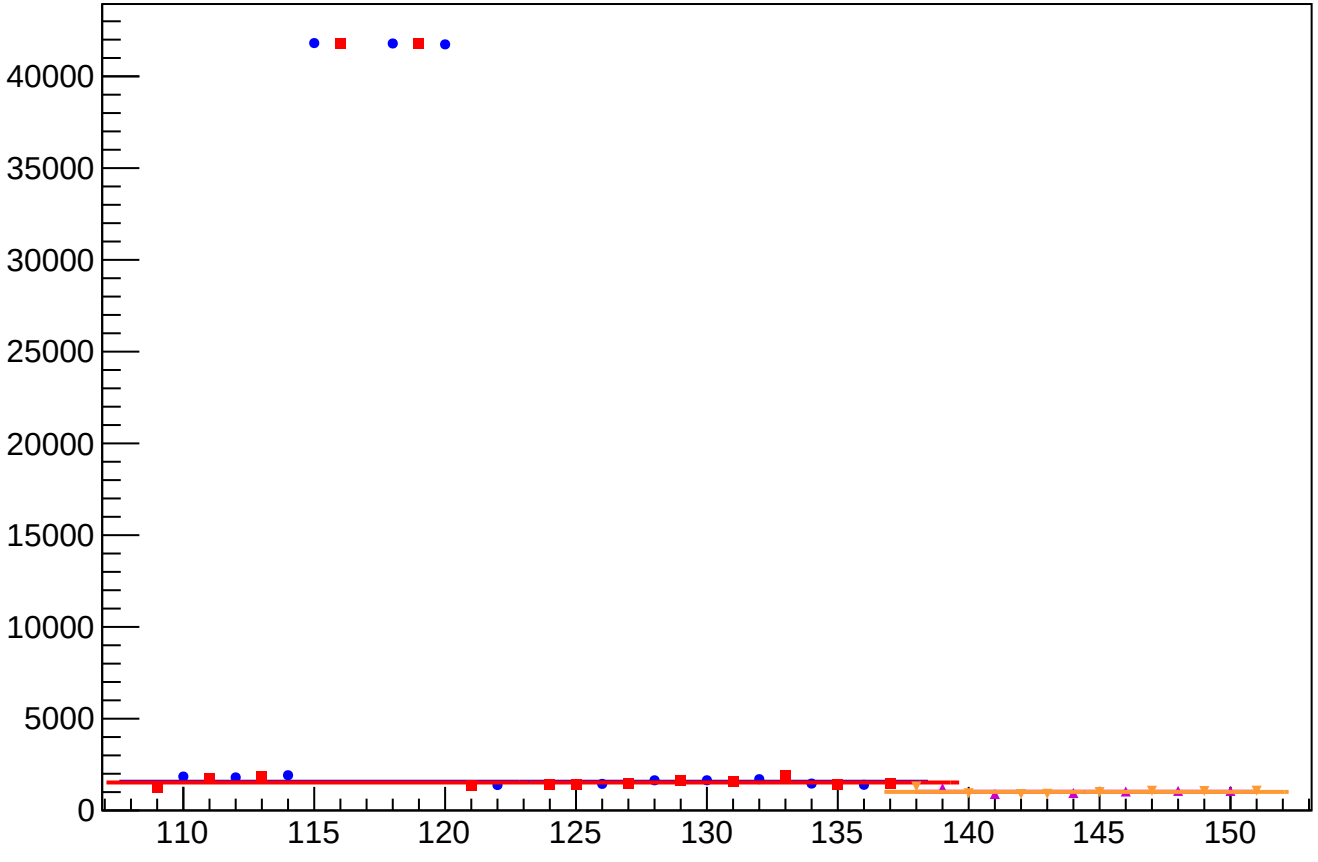
Left In: 0.325+/-0.447 χ^2/NDF:10.0/5

+ sign -0.374+/-0.358 χ^2/NDF: 25.5/20

All: -0.010+/-0.260 χ^2/NDF: 50.4/40

- sign 0.399+/-0.380 χ^2/NDF: 22.7/19

diff_bpm1p02bX_rms vs Slug



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 1011.168+/-0.290 χ^2/NDF:140774.4/7

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

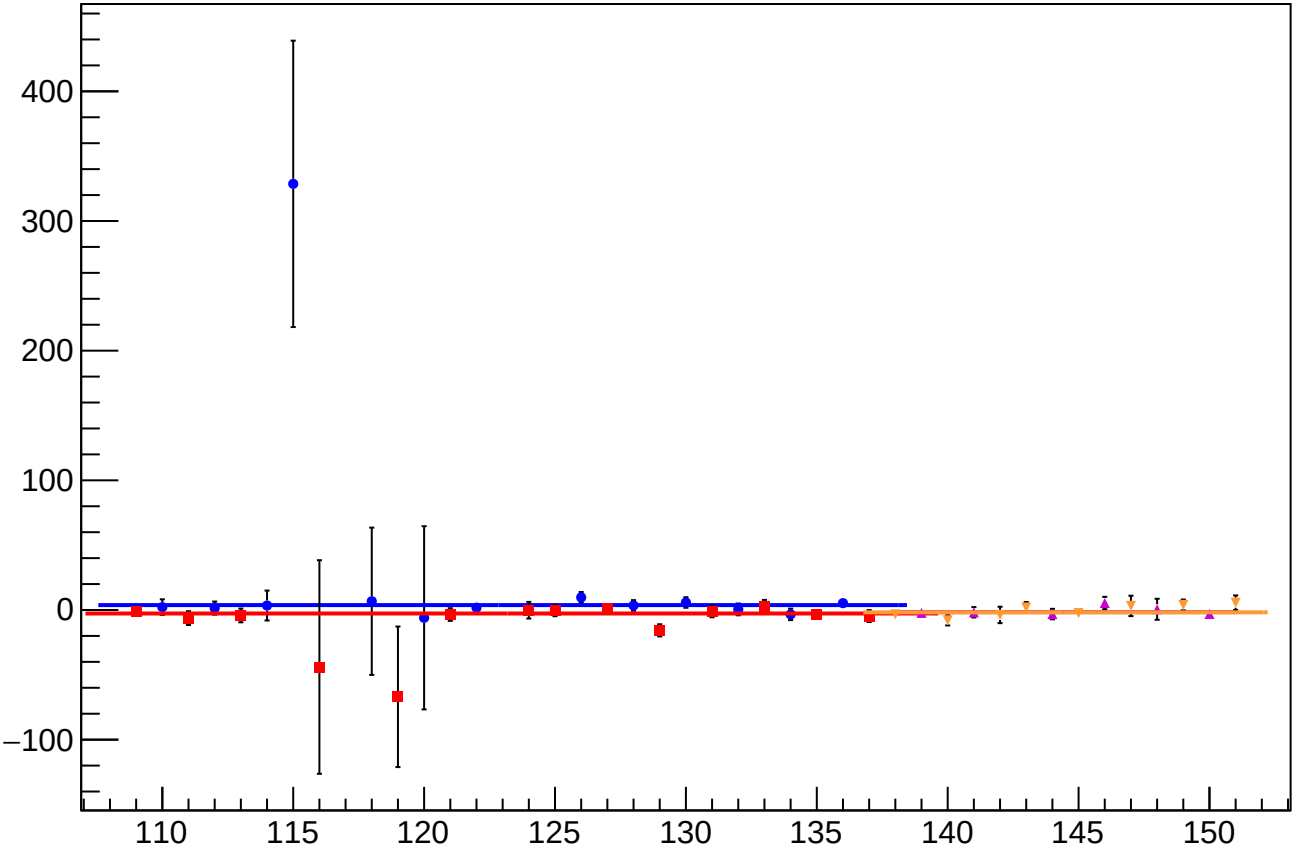
Left In: 1018.565+/-0.316 χ^2/NDF:93153.2/5

+ sign 1142.996+/-0.253 χ^2/NDF: 3025922.3/20

All: 1151.031+/-0.184 χ^2/NDF: 5575191.6/40

- sign 1160.077+/-0.268 χ^2/NDF: 2547124.3/19

diff_bpm1p02bY_mean vs Slug



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -1.801+/-1.334 χ^2/NDF:7.9/7

Right Out: -2.709+/-1.211 χ^2/NDF: 13.6/13

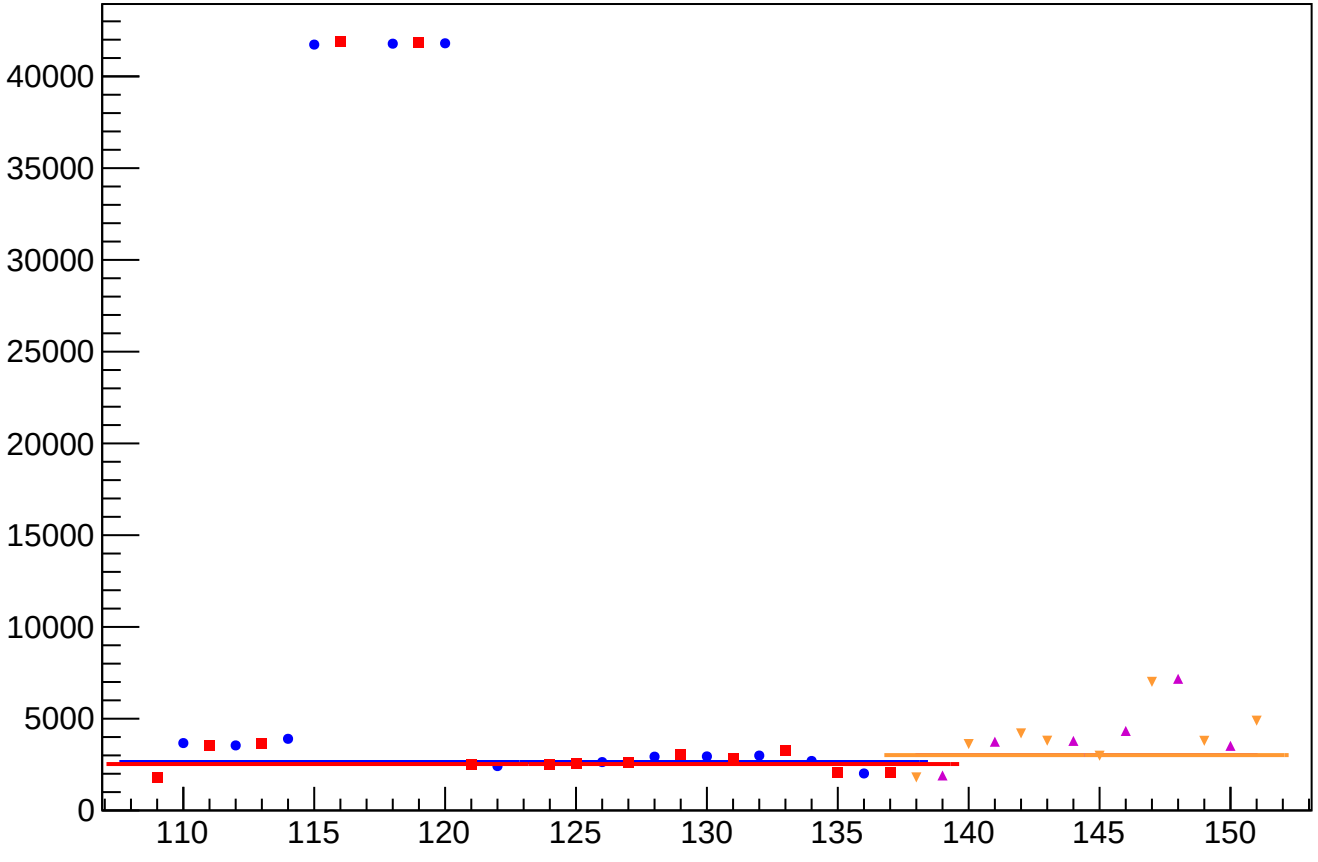
Left In: -1.630+/-1.446 χ^2/NDF:2.6/5

+ sign 1.172+/-0.911 χ^2/NDF: 32.4/20

All: -0.514+/-0.650 χ^2/NDF: 55.9/40

- sign -2.264+/-0.928 χ^2/NDF: 16.5/19

diff_bpm1p02bY_rms vs Slug



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 3016.419+/-0.943 χ^2/NDF:1663829.1/7

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

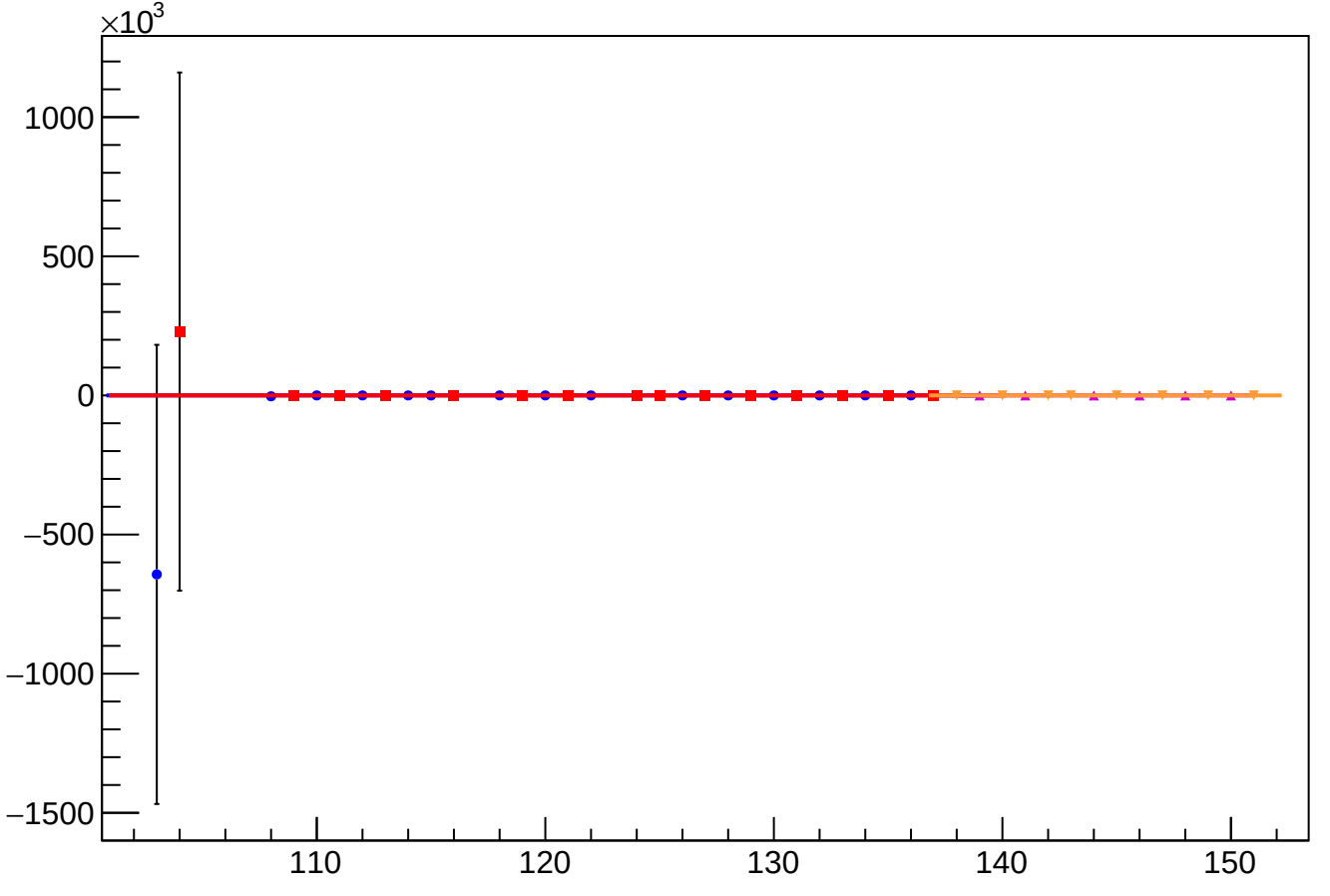
Left In: 3021.015+/-1.023 χ^2/NDF:1405514.0/5

+ sign 2815.744+/-0.644 χ^2/NDF: 3922167.4/20

All: 2774.529+/-0.460 χ^2/NDF: 7421990.8/40

- sign 2731.754+/-0.657 χ^2/NDF: 3491488.7/19

diff_bpm1p03aX_mean vs Slug



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -1.487+/-0.626 χ^2/NDF:18.2/7

Right Out: -2.670+/-1.211 χ^2/NDF: 14.4/14

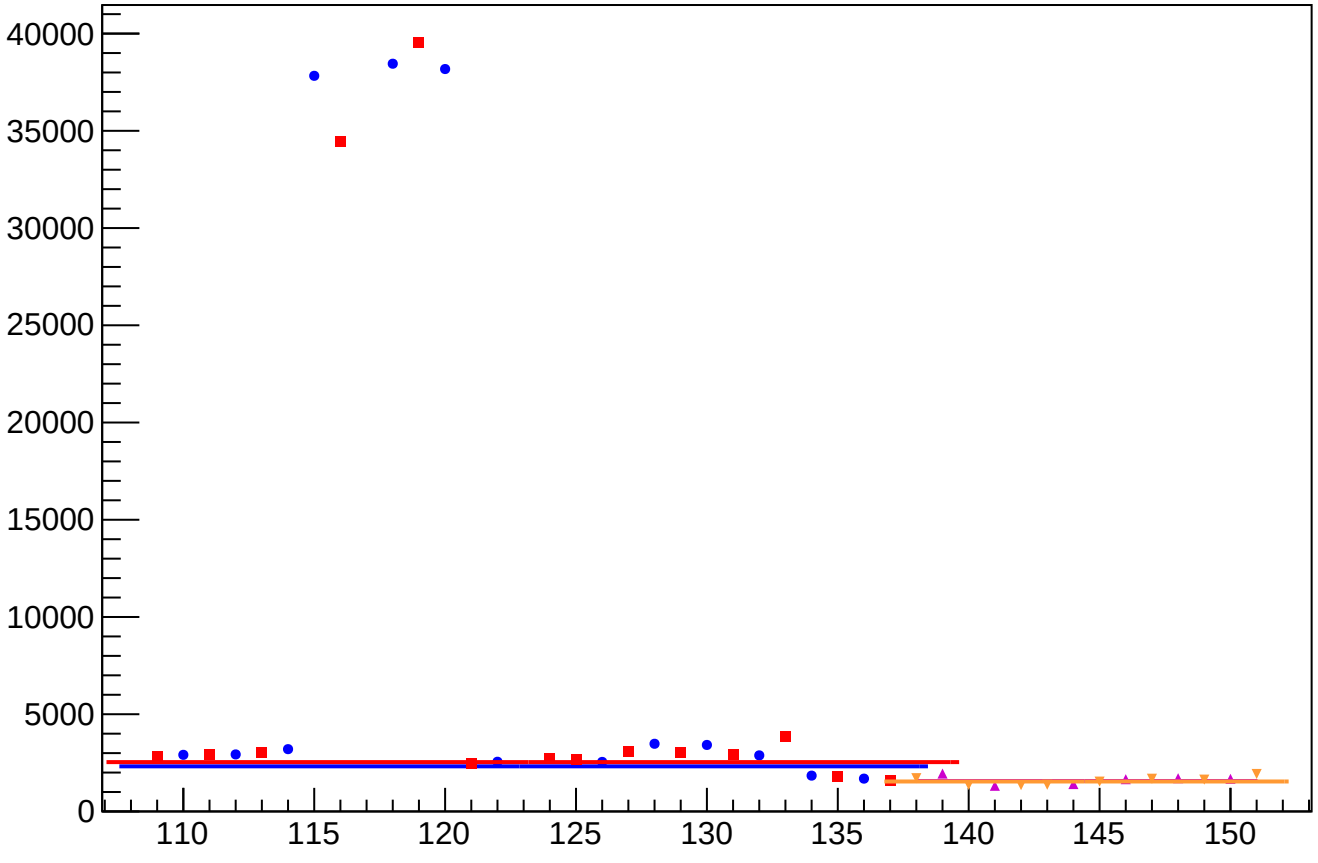
Left In: -0.836+/-0.690 χ^2/NDF:1.2/5

+ sign -1.423+/-0.547 χ^2/NDF: 37.1/22

All: -1.361+/-0.404 χ^2/NDF: 54.4/43

- sign -1.286+/-0.600 χ^2/NDF: 17.3/20

diff_bpm1p03aX_rms vs Slug



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1541.094+/-0.442 χ^2/NDF:170065.9/7

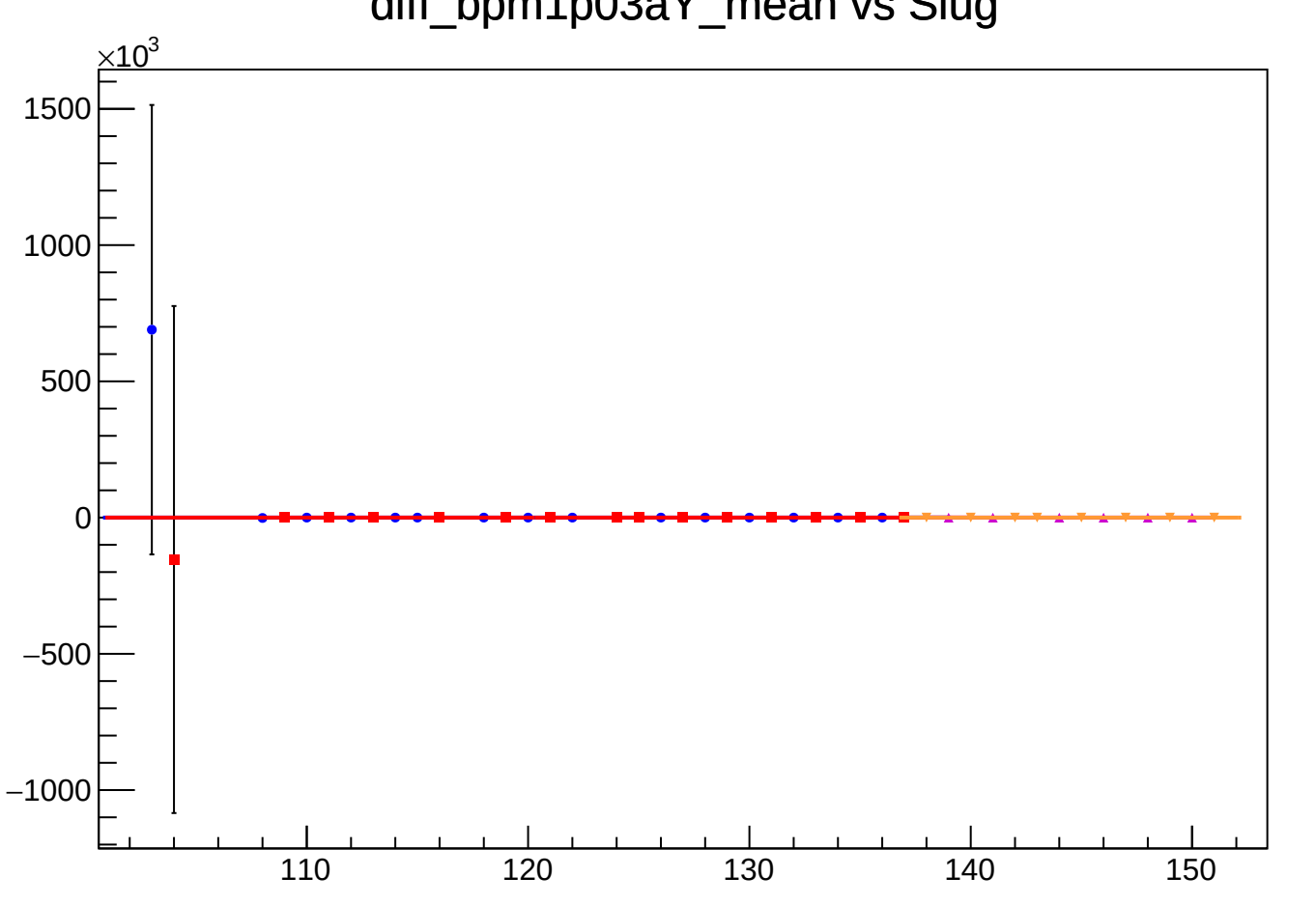
Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

Left In: 1566.154+/-0.488 χ^2/NDF:172569.6/5

+ sign 1725.145+/-0.387 χ^2/NDF: 3364308.7/20

All: 1761.085+/-0.286 χ^2/NDF: 6565379.9/40

- sign 1804.302+/-0.424 χ^2/NDF: 3182044.2/19



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -0.623+/-0.899 χ^2/NDF:10.4/7

Right Out: -1.893+/-1.052 χ^2/NDF: 15.3/14

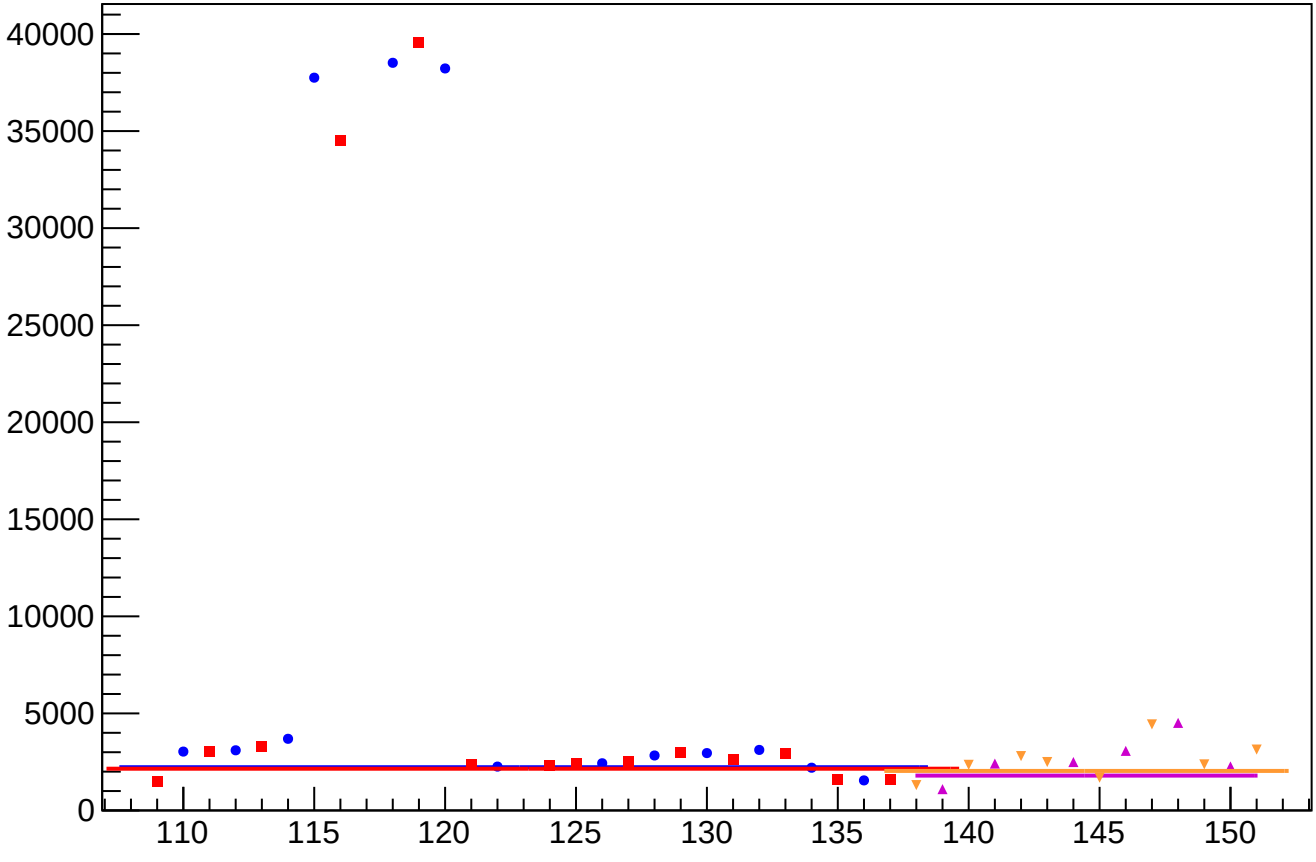
Left In: 0.223+/-0.881 χ^2/NDF:2.6/5

+ sign 0.334+/-0.690 χ^2/NDF: 18.2/22

All: -0.168+/-0.483 χ^2/NDF: 39.5/43

- sign -0.650+/-0.675 χ^2/NDF: 20.3/20

diff_bpm1p03aY_rms vs Slug



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 2036.412+/-0.635 χ^2/NDF:1308009.4/7

Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

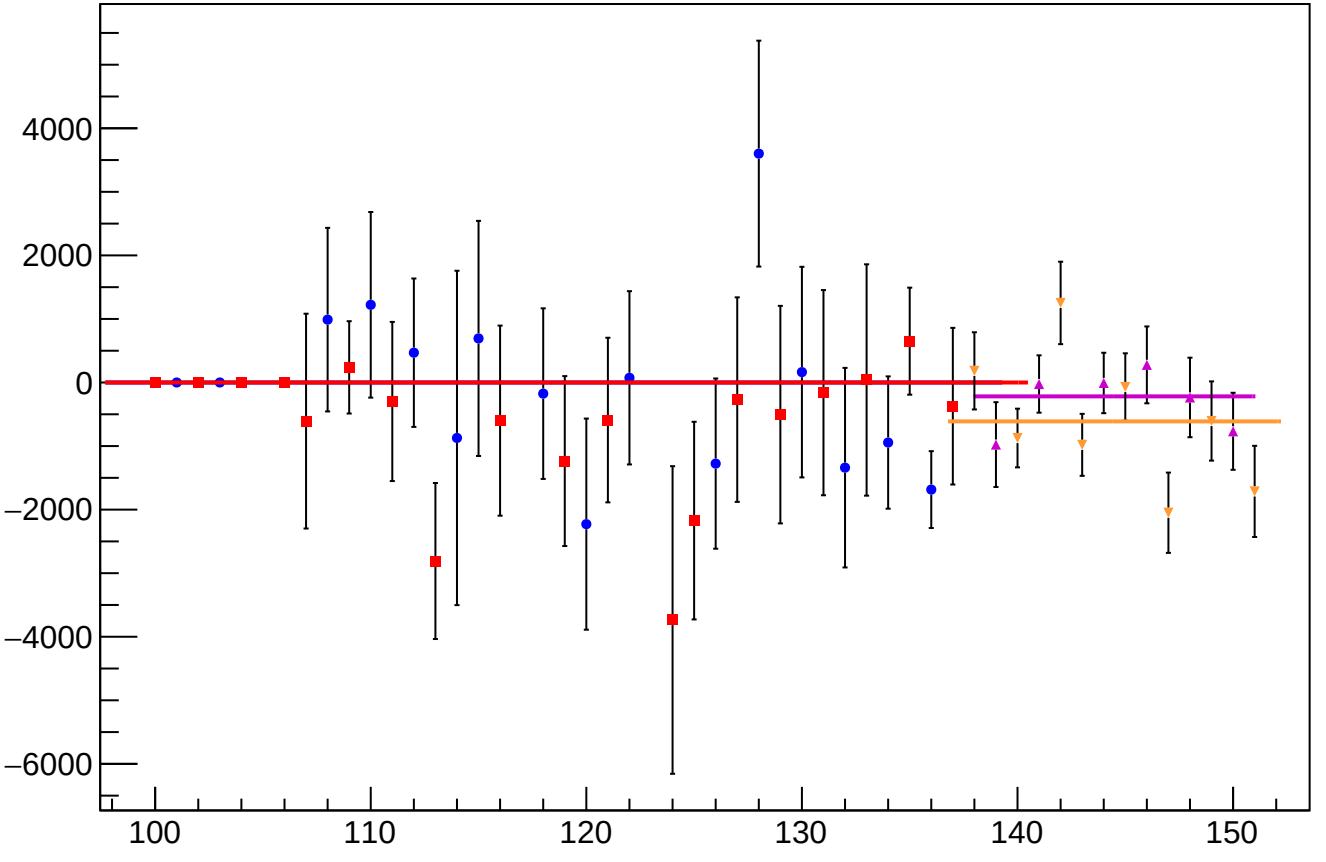
Left In: 1795.725+/-0.623 χ^2/NDF:1865388.5/5

+ sign 2114.674+/-0.488 χ^2/NDF: 3867221.5/20

All: 2026.632+/-0.341 χ^2/NDF: 8161696.9/40

- sign 1942.216+/-0.478 χ^2/NDF: 4230665.2/19

diff_cav4bX_mean vs Slug



Right In: 0.255+/-0.356 χ^2/NDF: 17.7/15

Left Out: -611.749+/-201.748 χ^2/NDF:19.4/7

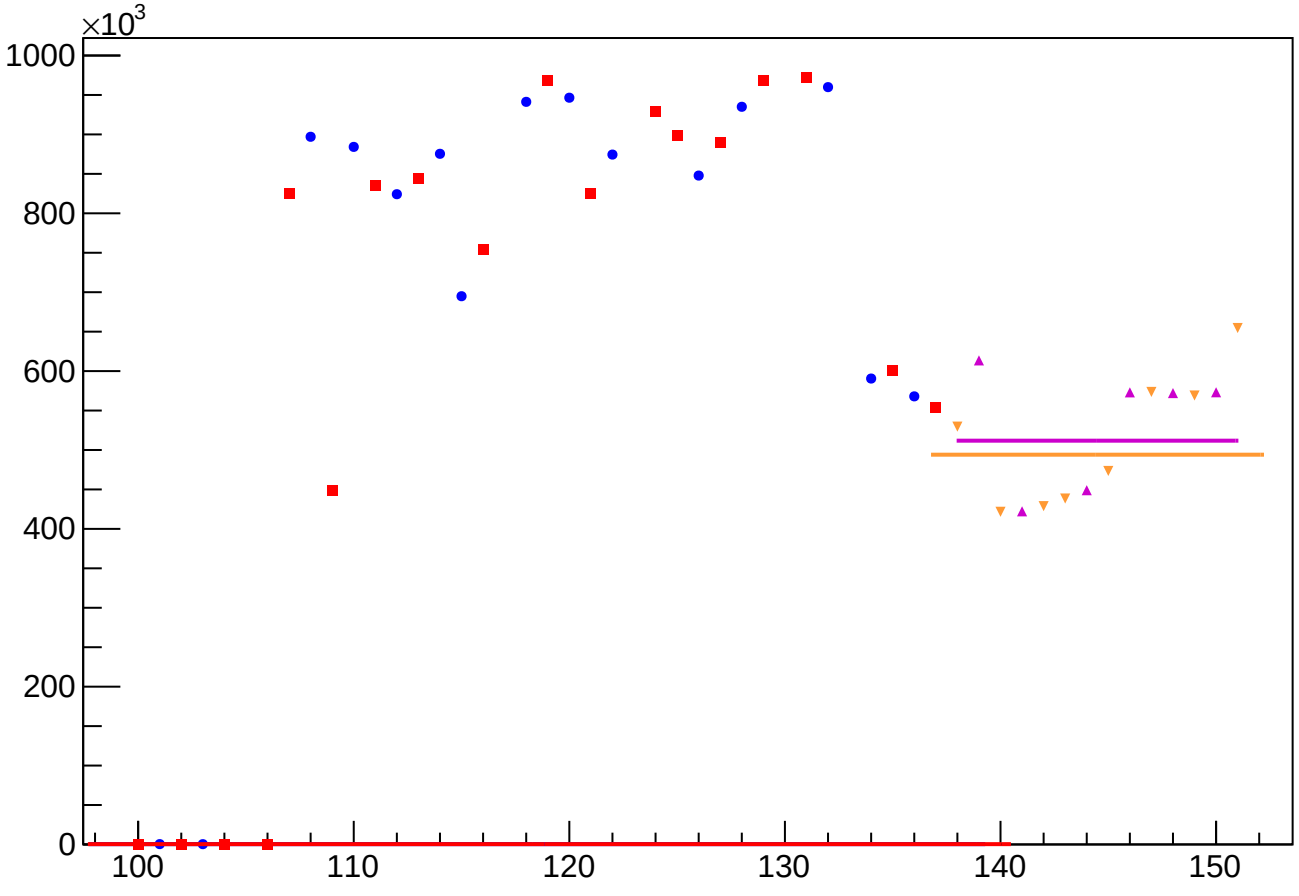
Right Out: 0.096+/-0.328 χ^2/NDF: 15.4/18

Left In: -218.126+/-225.895 χ^2/NDF:3.2/5

+ sign 0.253+/-0.356 χ^2/NDF: 46.4/23

All: 0.168+/-0.241 χ^2/NDF: 66.0/48

- sign 0.095+/-0.328 χ^2/NDF: 19.5/24



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 494040.559+/-142.658 χ^2/NDF:266263.4/7

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

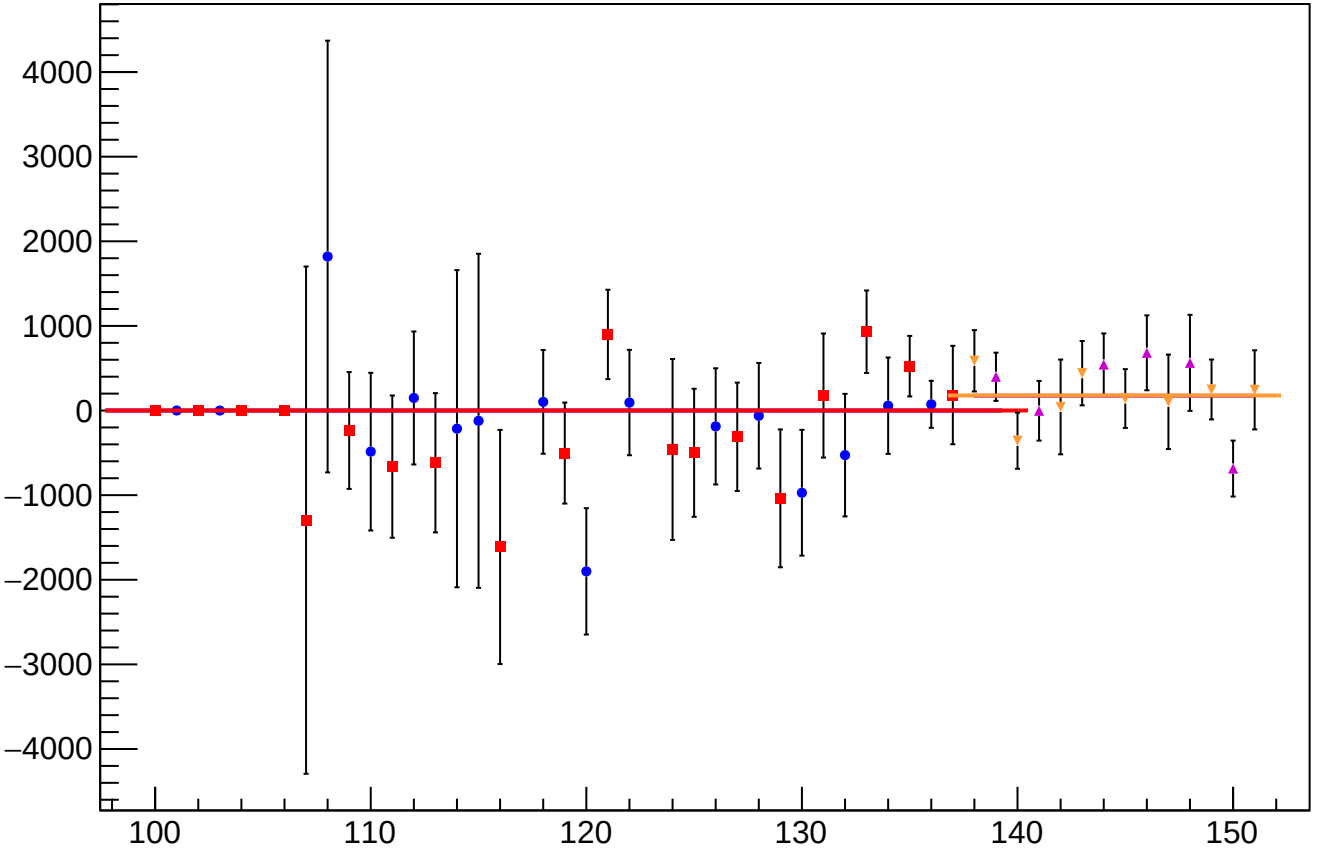
Left In: 511804.017+/-159.732 χ^2/NDF:219816.8/5

+ sign 400.415+/-0.251 χ^2/NDF: 20731905.2/22

All: 397.118+/-0.170 χ^2/NDF: 38851324.4/46

- sign 394.317+/-0.232 χ^2/NDF: 18119101.2/23

diff_cav4bY_mean vs Slug



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 177.630+/-140.233 χ^2/NDF:4.5/7

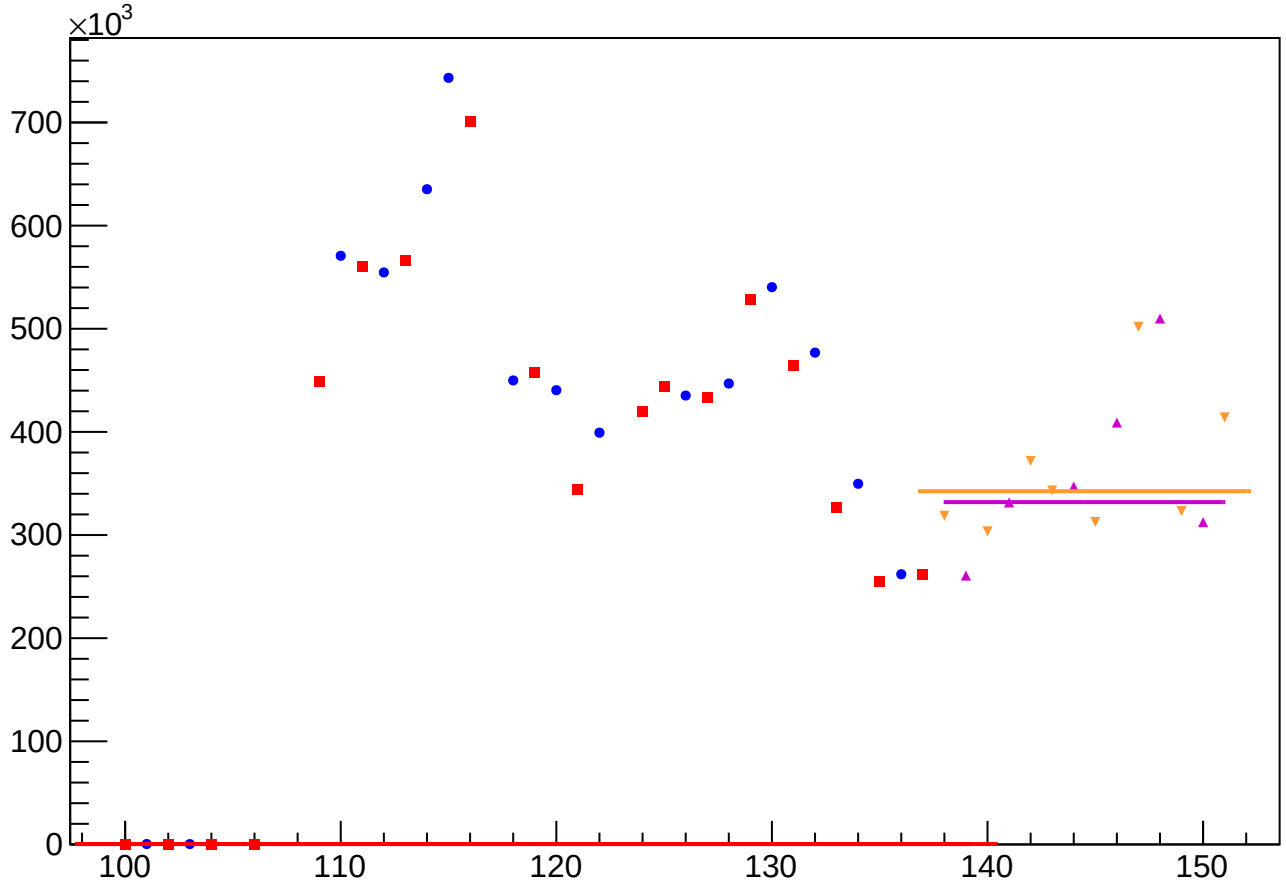
Right Out: 0.599+/-0.324 χ^2/NDF: 15.0/18

Left In: 174.195+/-148.887 χ^2/NDF:10.4/5

+ sign -0.019+/-0.347 χ^2/NDF: 16.6/23

All: 0.312+/-0.237 χ^2/NDF: 45.1/48

- sign 0.600+/-0.324 χ^2/NDF: 26.8/24



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 342486.905+/-99.160 χ^2/NDF:272170.4/7

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

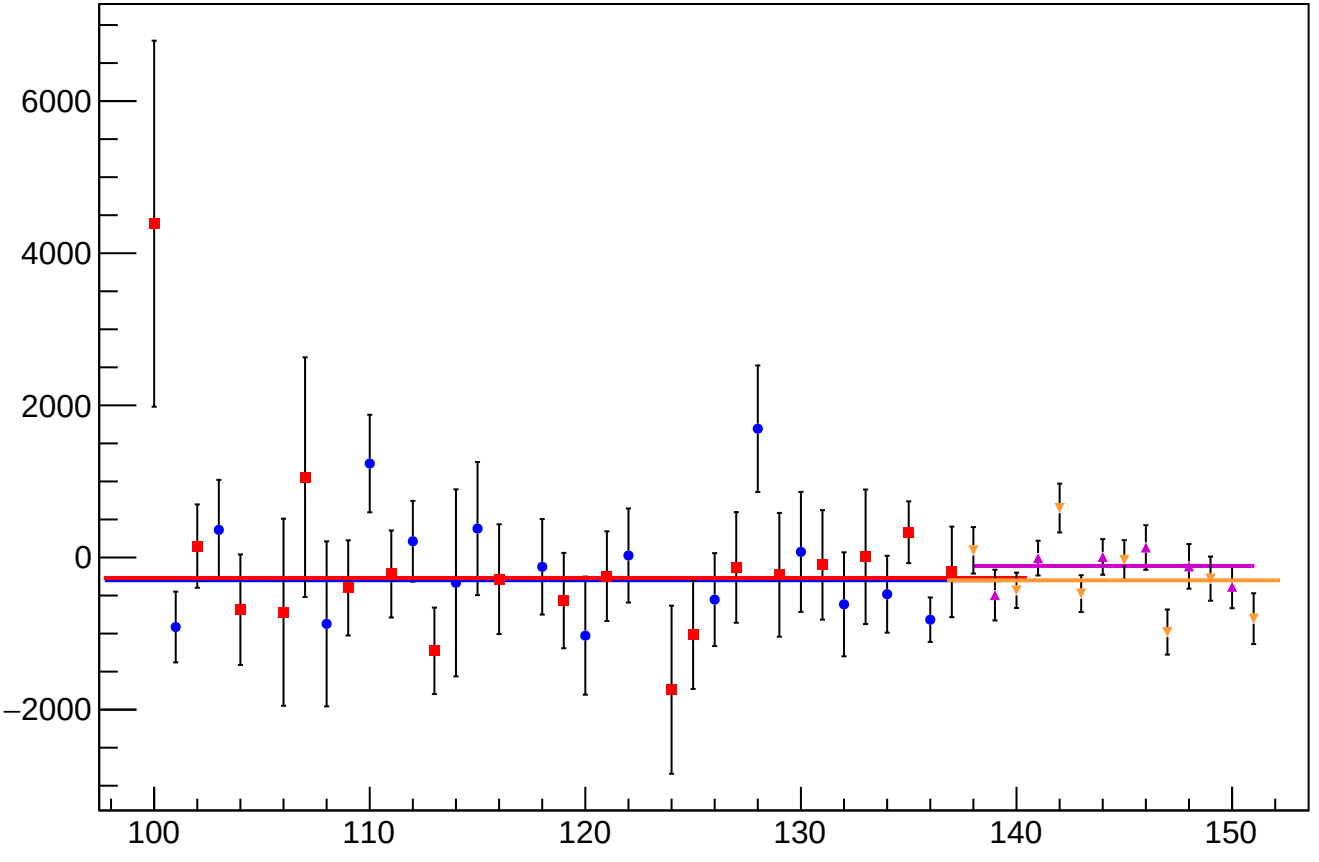
Left In: 331920.015+/-105.297 χ^2/NDF:392292.6/5

+ sign 392.372+/-0.245 χ^2/NDF: 23306478.4/22

All: 390.864+/-0.167 χ^2/NDF: 44686480.1/46

- sign 389.552+/-0.229 χ^2/NDF: 21379931.1/23

diff_cav4cX_mean vs Slug



Right In: -298.263+/-147.367 χ^2/NDF: 21.2/15

Left Out: -299.996+/-98.576 χ^2/NDF:19.9/7

Right Out: -268.892+/-156.582 χ^2/NDF: 13.9/18

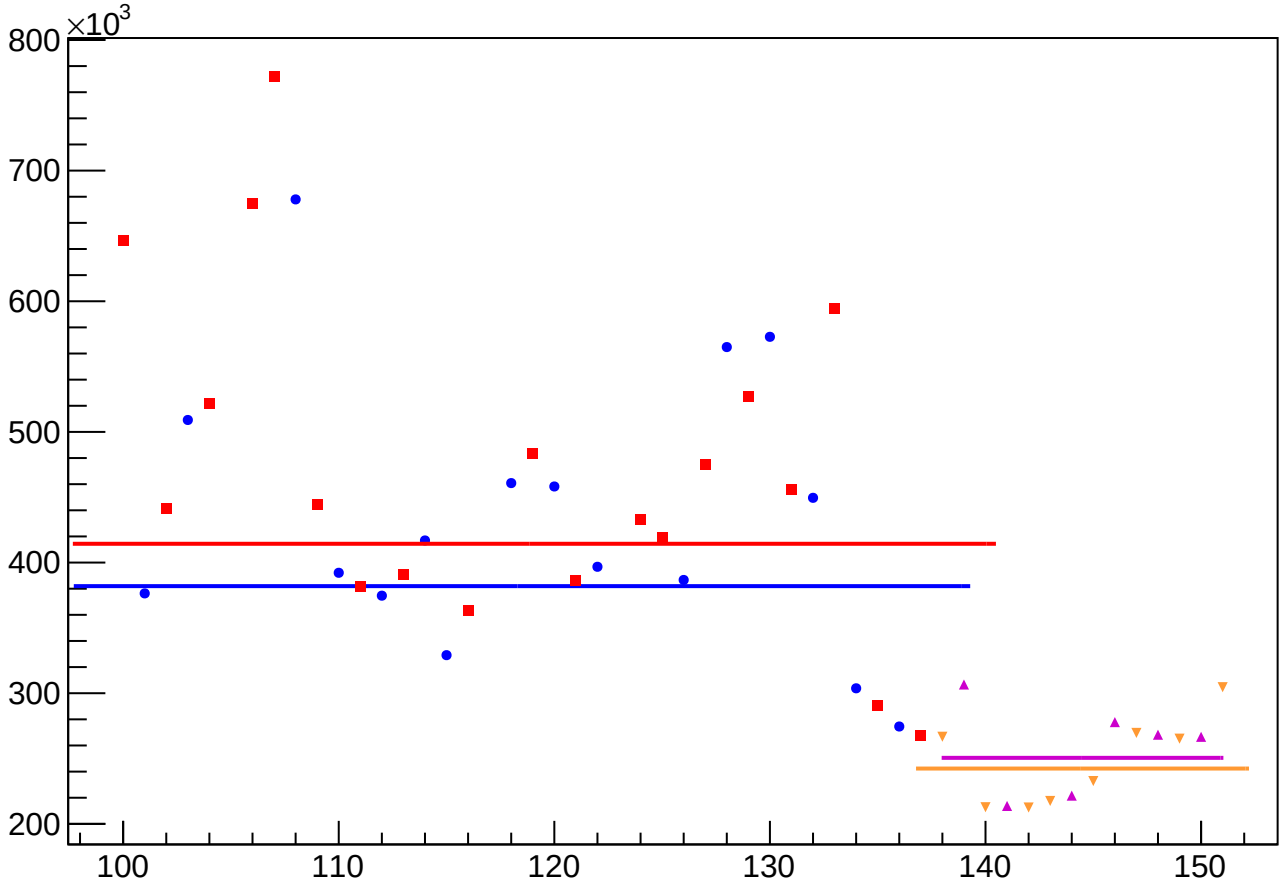
Left In: -111.015+/-110.275 χ^2/NDF:3.4/5

+ sign -299.460+/-81.935 χ^2/NDF: 41.0/23

All: -237.899+/-60.637 χ^2/NDF: 60.2/48

- sign -163.358+/-90.160 χ^2/NDF: 18.0/24

diff_cav4cX_rms vs Slug



Right In: 381960.471+/-104.223 χ^2/NDF: 836441.6/15

Left Out: 242346.408+/-69.704 χ^2/NDF:184882.6/7

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

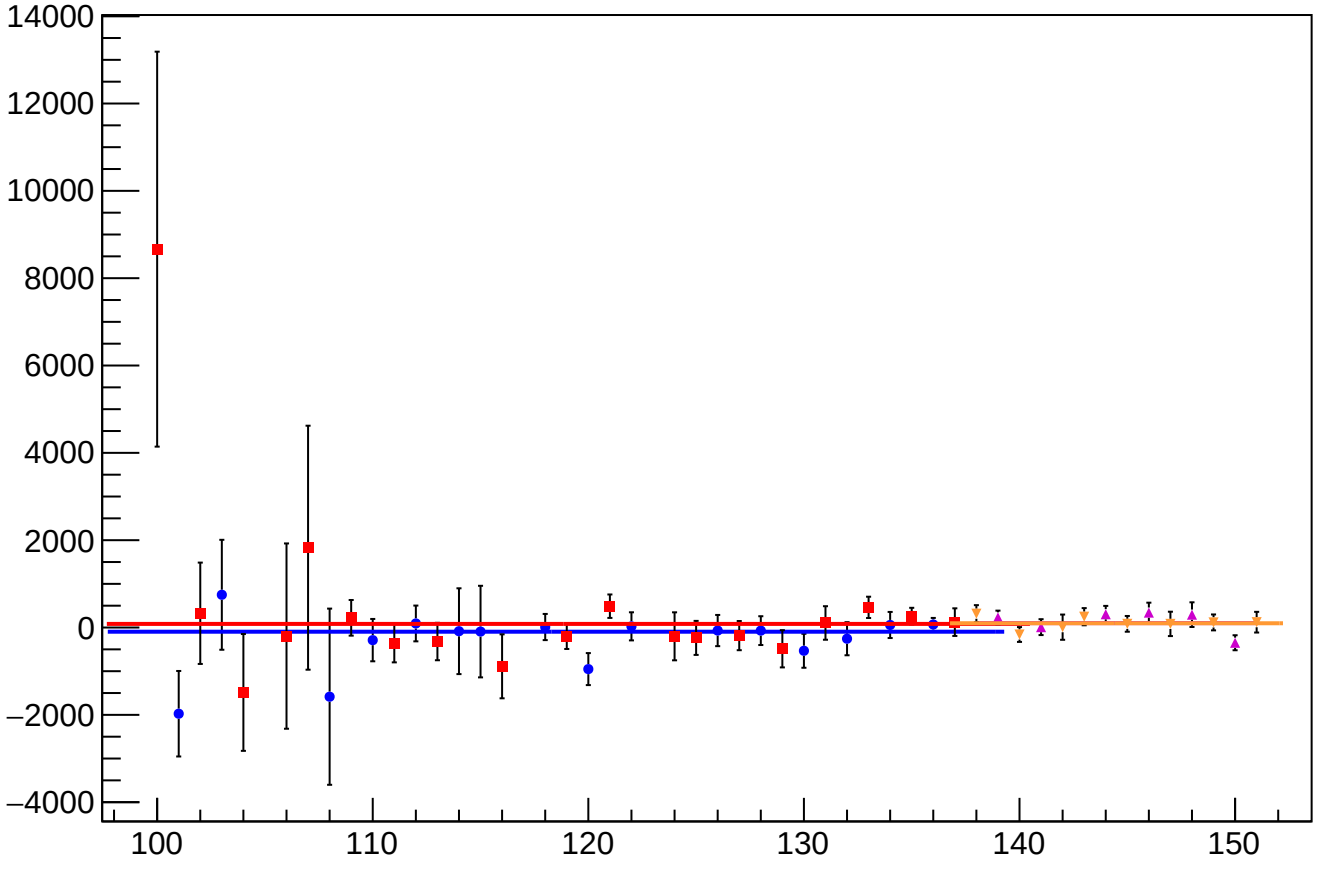
Left In: 250535.892+/-77.976 χ^2/NDF:170321.0/5

+ sign 285494.230+/-57.940 χ^2/NDF: 2261194.9/23

All: 294243.713+/-42.879 χ^2/NDF: 4705277.

- sign 304838.553+/-63.758 χ^2/NDF: 2393665.1/24

diff_cav4cY_mean vs Slug



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 97.574+/-72.516 χ^2/NDF:4.3/7

Right Out: 82.750+/-87.316 χ^2/NDF: 19.1/18

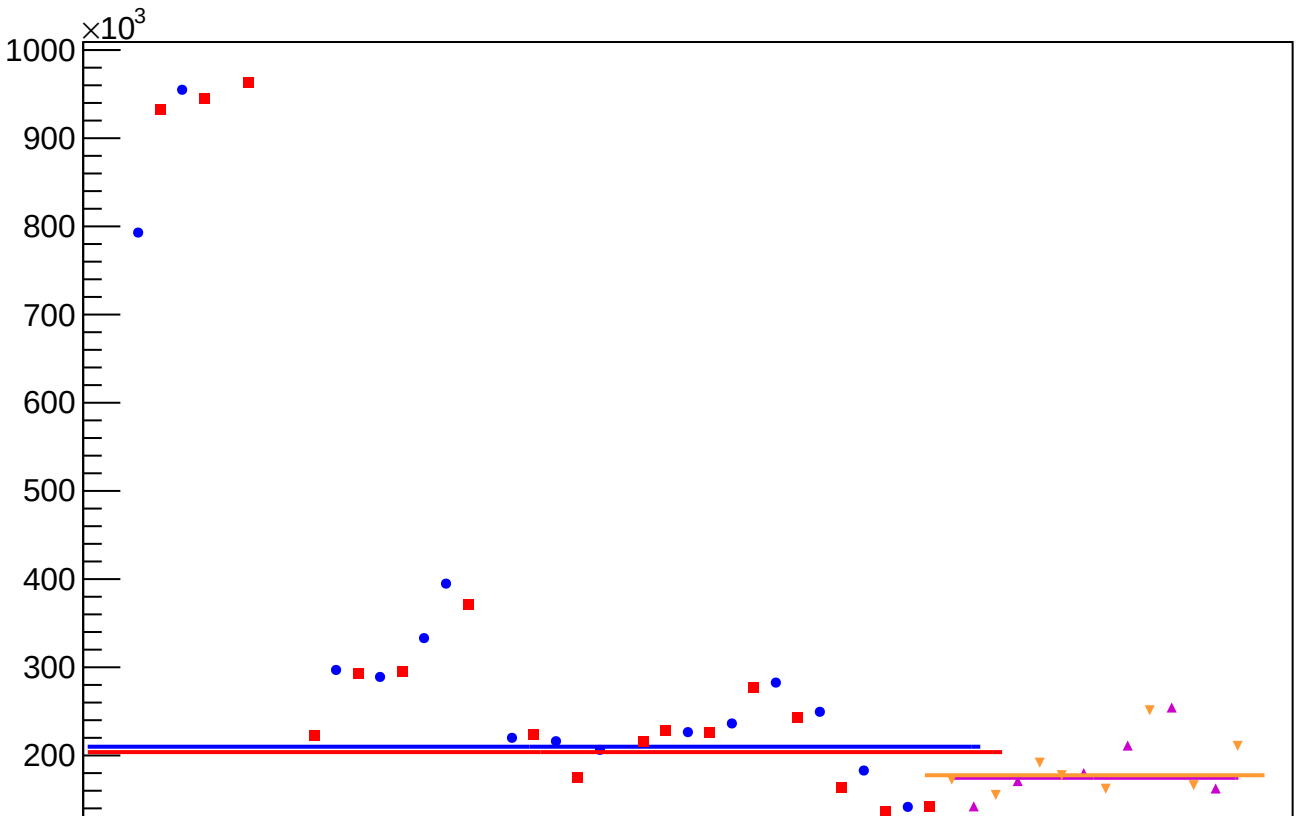
Left In: 101.347+/-77.913 χ^2/NDF:10.5/5

+ sign 19.629+/-56.032 χ^2/NDF: 20.8/23

All: 55.014+/-40.343 χ^2/NDF: 51.3/48

- sign 93.103+/-58.134 χ^2/NDF: 29.6/24

diff_cav4cY_rms vs Slug



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 177548.577+/-51.277 χ^2/NDF:241609.8/7

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

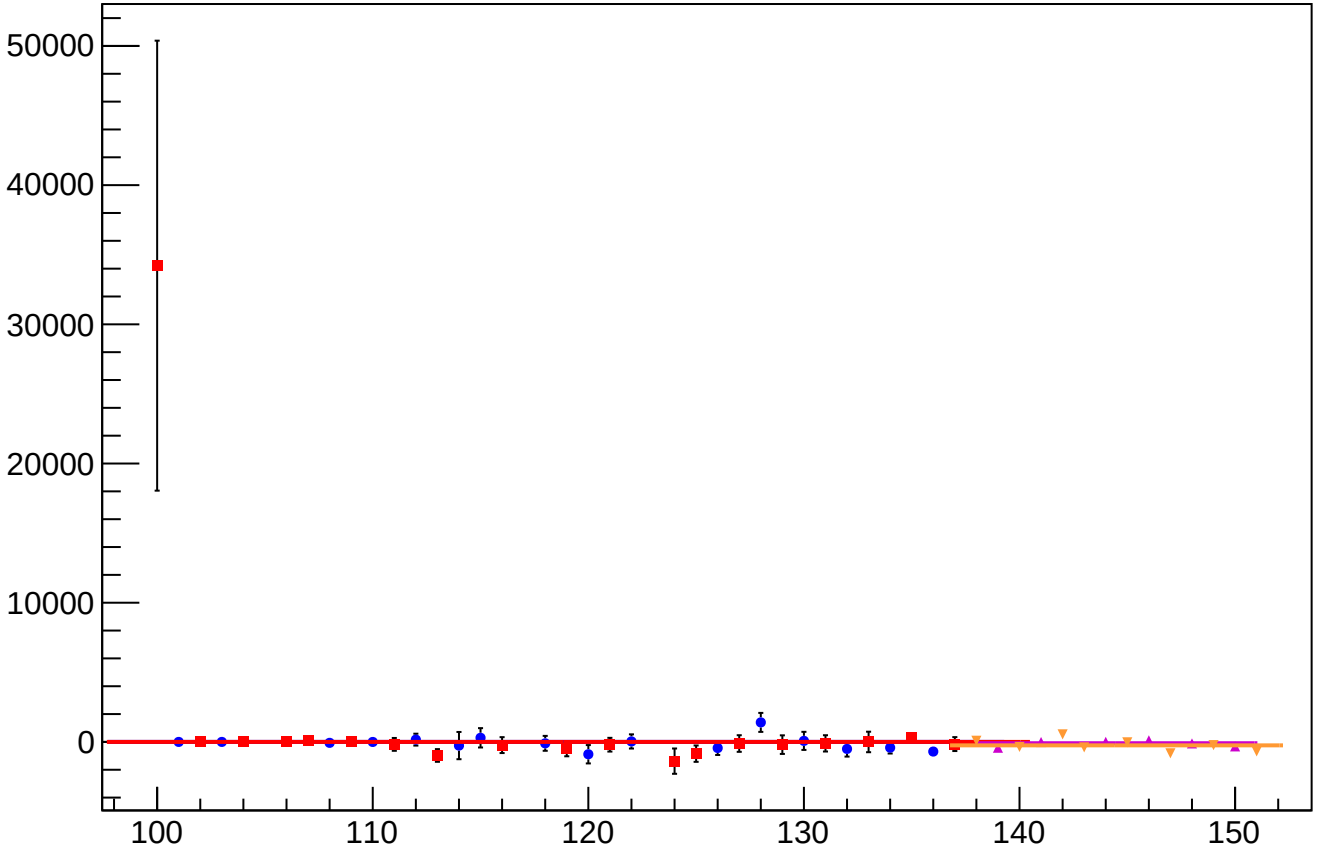
Left In: 174672.446+/-55.093 χ^2/NDF:309907.4/5

+ sign 190569.924+/-39.648 χ^2/NDF: 2361867.8/22

All: 189114.011+/-28.552 χ^2/NDF: 4868562.

- sign 187545.554+/-41.152 χ^2/NDF: 2503893.4/22

diff_cav4dX_mean vs Slug



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -247.520+/-82.341 χ^2/NDF:20.0/7

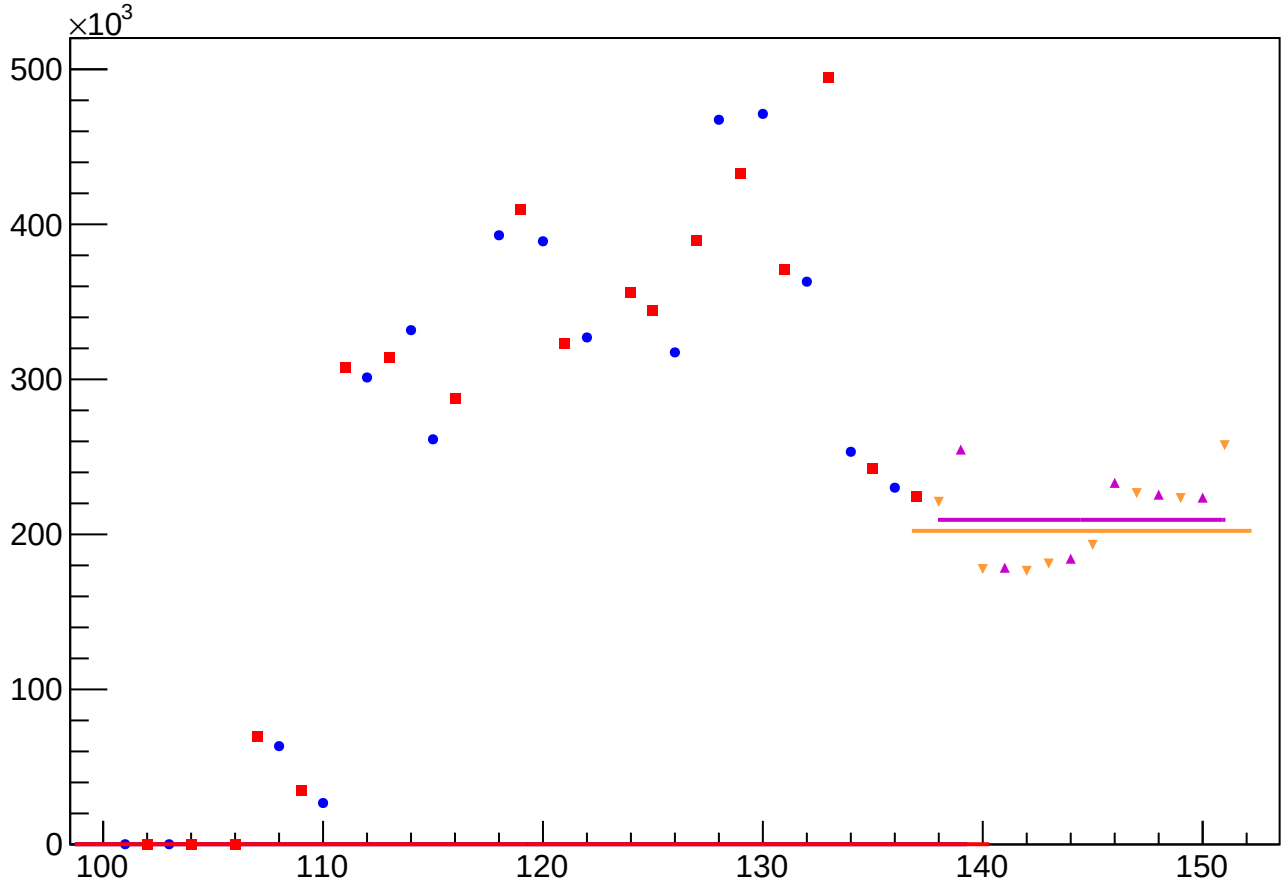
Right Out: -0.355+/-0.160 χ^2/NDF: 16.5/18

Left In: -94.541+/-92.185 χ^2/NDF:3.5/5

\+ sign -0.036+/-0.172 χ^2/NDF: 47.1/23

All: -0.207+/-0.117 χ^2/NDF: 70.0/48

\- sign -0.355+/-0.160 χ^2/NDF: 21.0/24



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 202289.830+/-58.224 χ^2/NDF:197876.6/7

Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

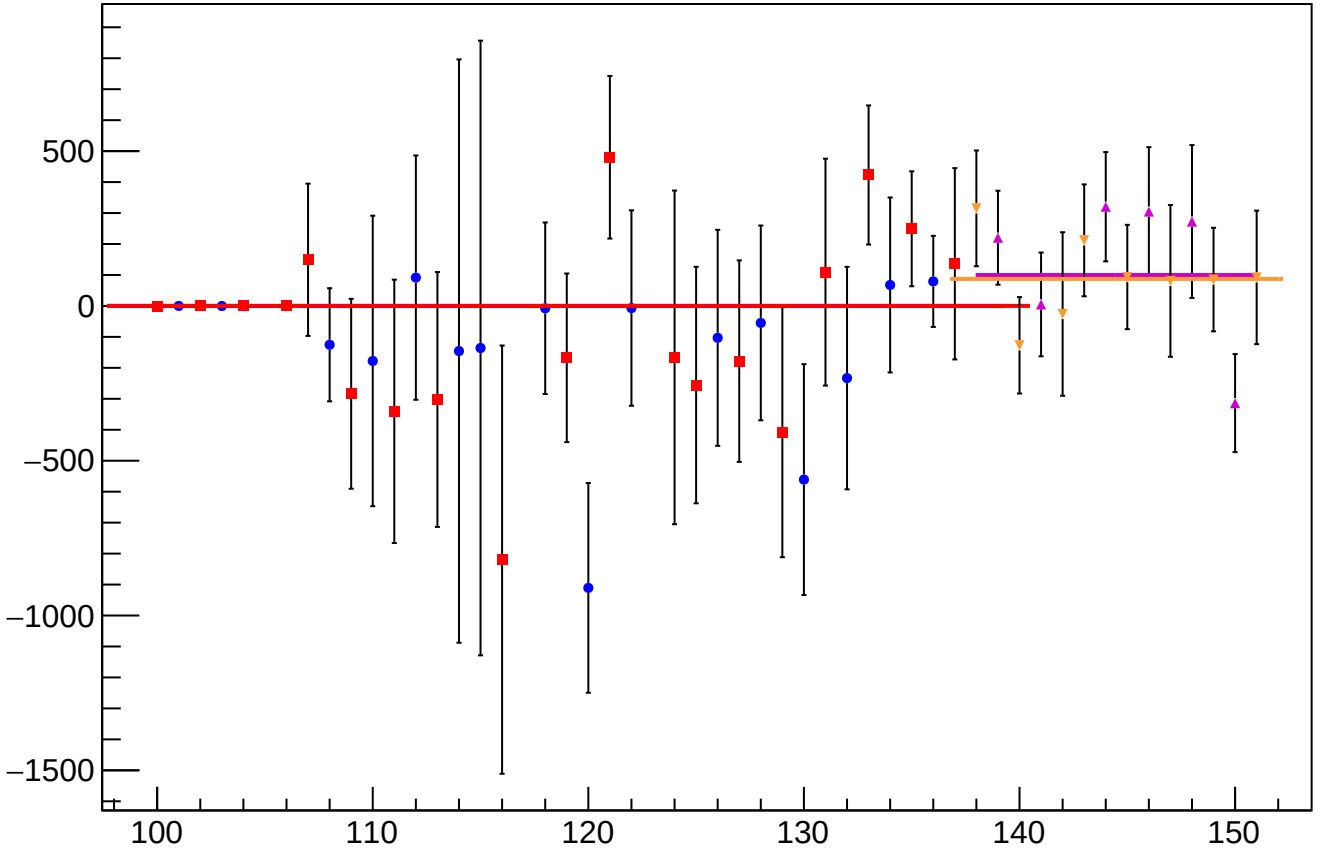
Left In: 209399.514+/-65.185 χ^2/NDF:173939.5/5

+ sign 149.977+/-0.122 χ^2/NDF: 23553169.9/23

All: 149.995+/-0.083 χ^2/NDF: 45320557.6/47

- sign 150.010+/-0.113 χ^2/NDF: 21767387.7/23

diff_cav4dY_mean vs Slug



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 87.264+/-66.820 χ^2/NDF:4.0/7

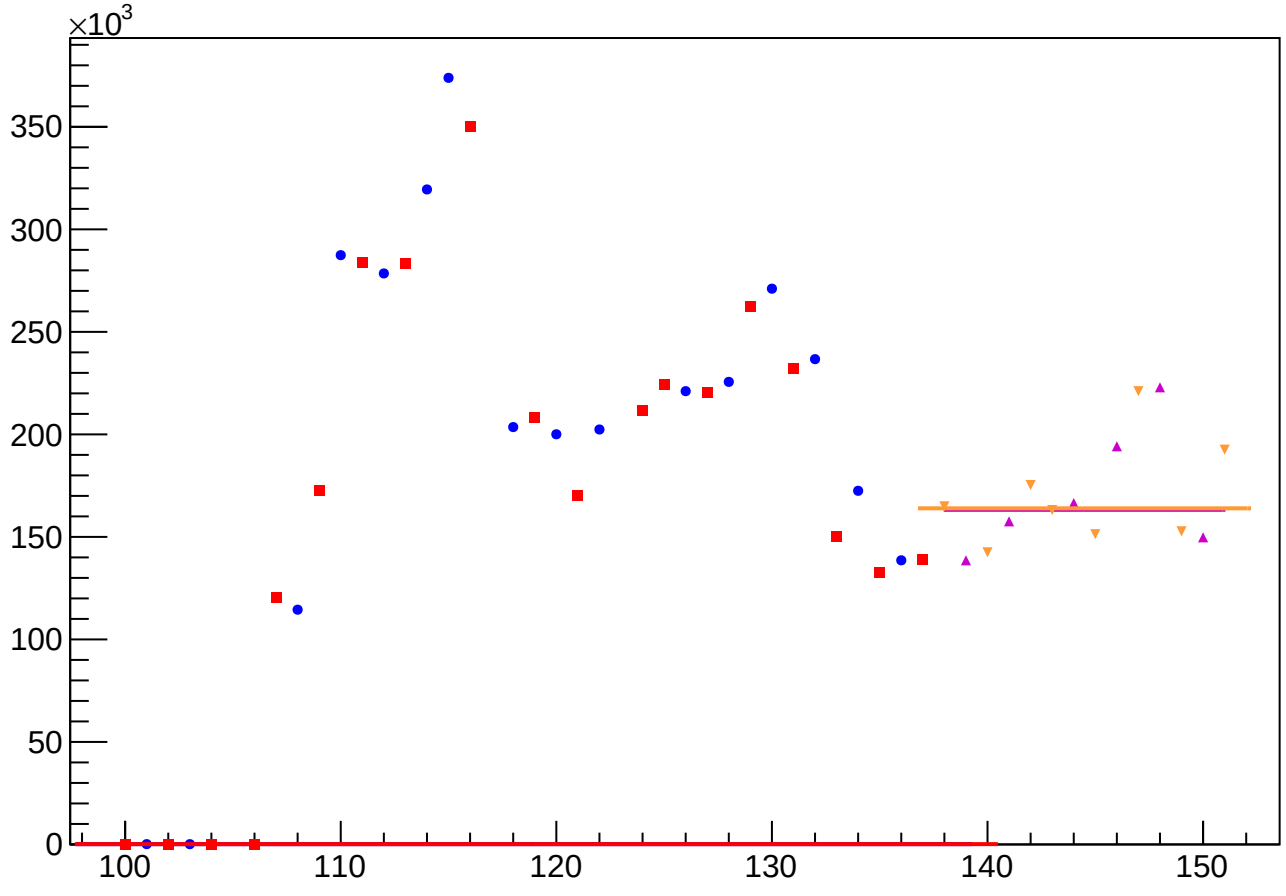
Right Out: 0.126+/-0.166 χ^2/NDF: 15.2/18

Left In: 99.802+/-72.450 χ^2/NDF:10.8/5

+ sign -0.067+/-0.177 χ^2/NDF: 17.0/23

All: 0.036+/-0.121 χ^2/NDF: 45.5/48

- sign 0.127+/-0.166 χ^2/NDF: 27.9/24



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 163939.881+/-47.249 χ^2/NDF:205873.0/7

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

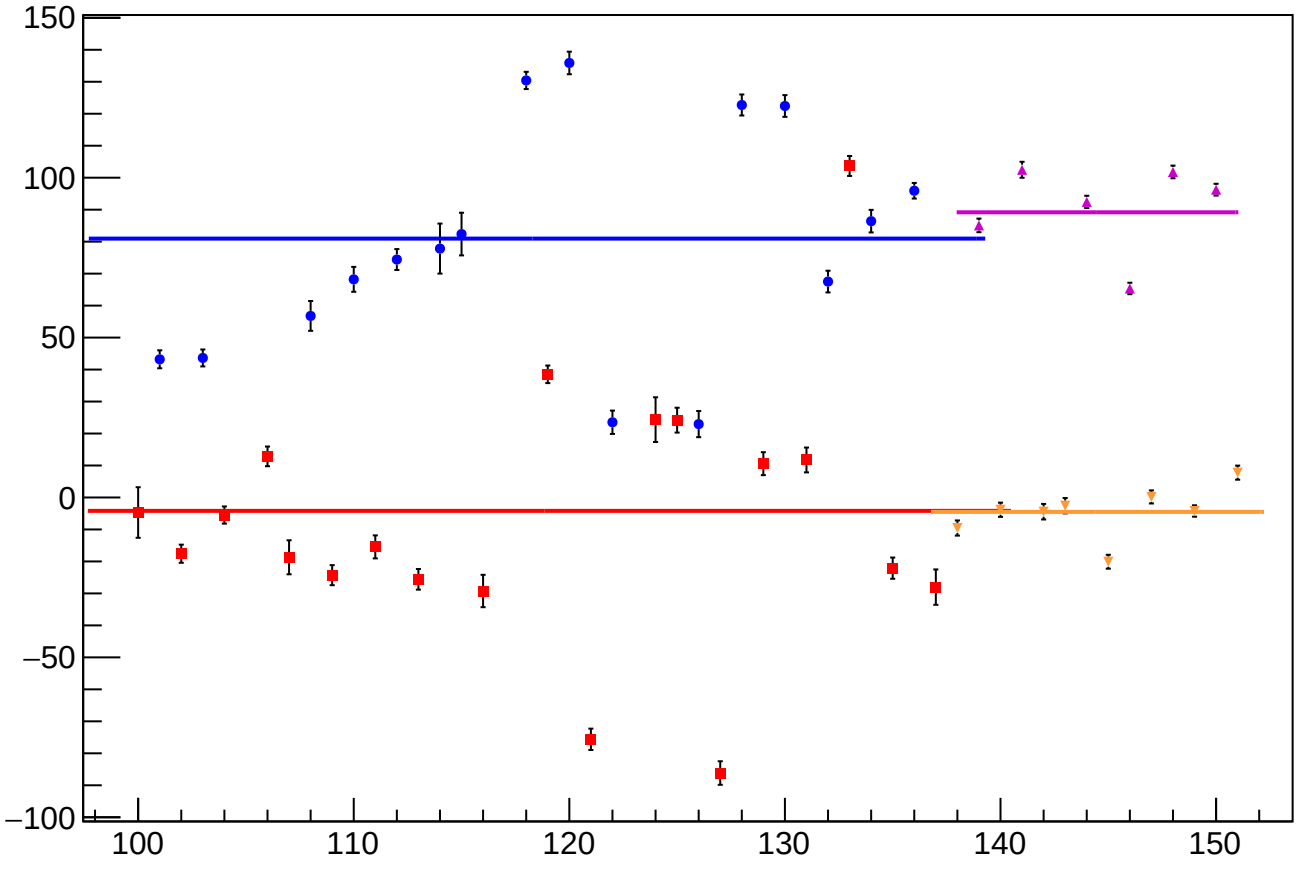
Left In: 163204.670+/-51.230 χ^2/NDF:231397.9/5

+ sign 154.612+/-0.125 χ^2/NDF: 24127062.4/23

All: 155.891+/-0.086 χ^2/NDF: 45819009.6/48

- sign 157.019+/-0.118 χ^2/NDF: 21691751.3/24

diff_bpm0i01X_mean vs Slug



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: -4.501+/-0.768 χ^2/NDF:93.2/7

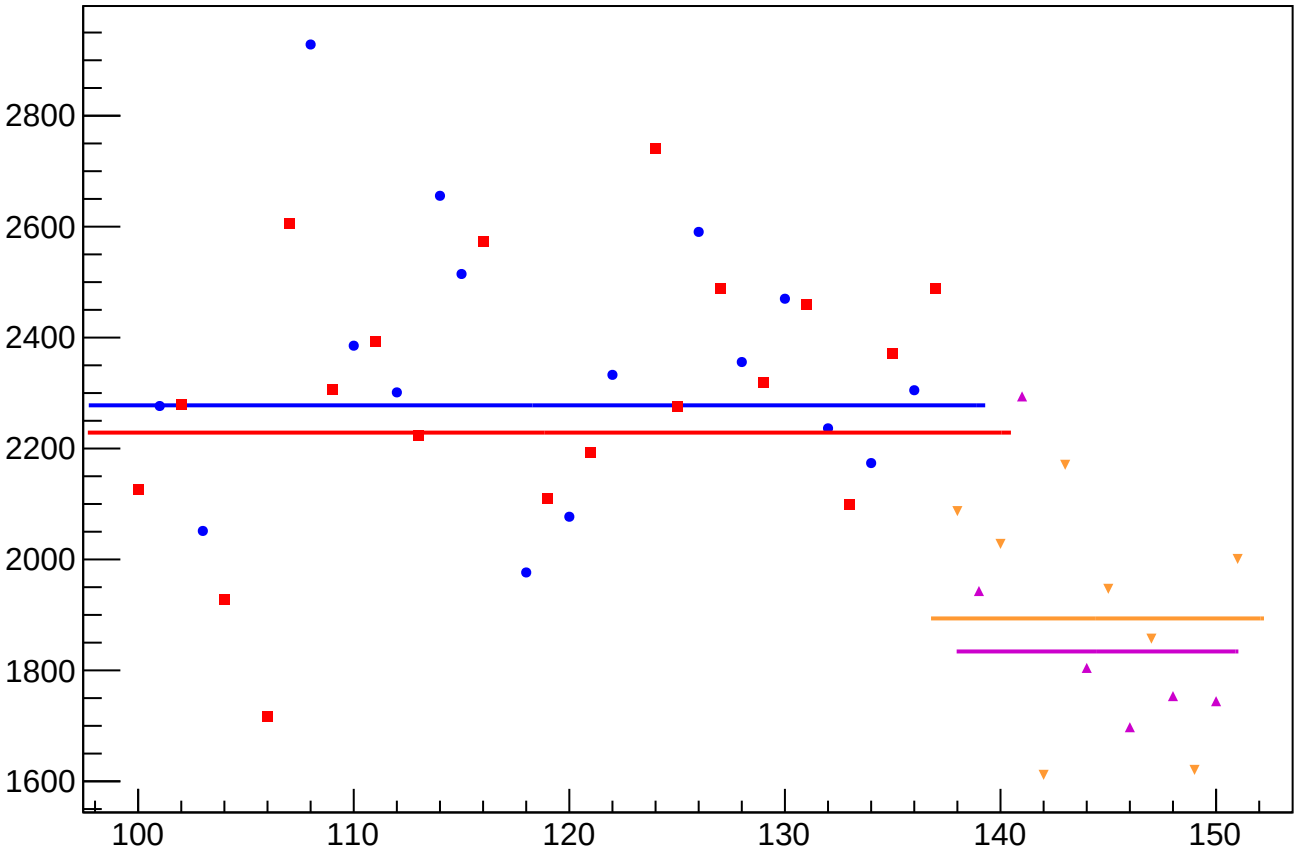
Right Out: -4.183+/-0.820 χ^2/NDF: 2719.7/18

Left In: 89.179+/-0.812 χ^2/NDF:267.0/5

\+ sign 33.847+/-0.570 χ^2/NDF: 7459.9/23

All: 38.340+/-0.406 χ^2/NDF: 17113.4/48

\- sign 42.939+/-0.577 χ^2/NDF: 9527.9/24



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 1893.651+/-0.543 χ^2/NDF:127759.7/7

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

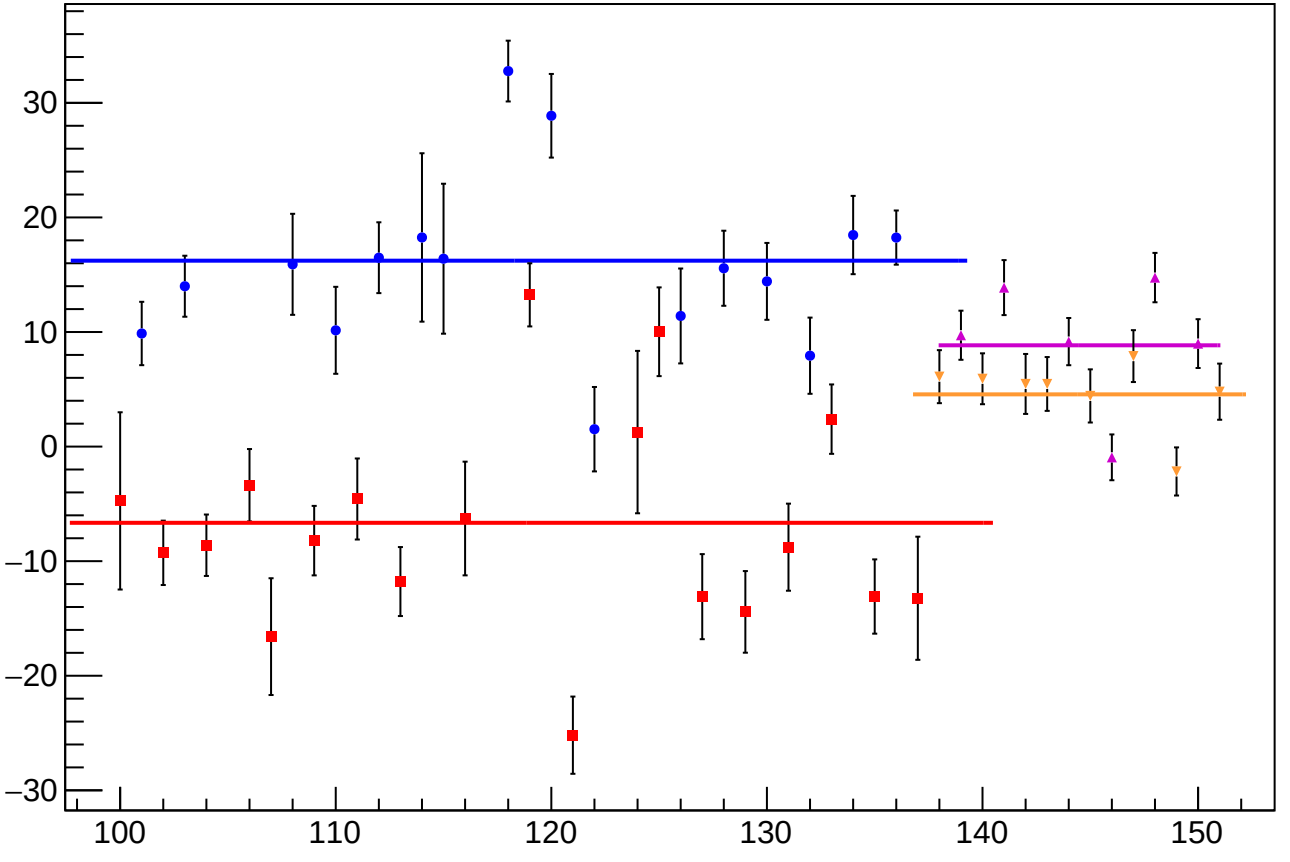
Left In: 1834.094+/-0.574 χ^2/NDF:93019.8/5

+ sign 2066.067+/-0.403 χ^2/NDF: 468027.8/23

All: 2048.013+/-0.287 χ^2/NDF: 949933.3/48

- sign 2029.528+/-0.408 χ^2/NDF: 477849.9/24

diff_bpm0i01Y_mean vs Slug



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 4.559+/-0.819 χ^2/NDF:13.5/7

Right Out: -6.652+/-0.809 χ^2/NDF: 134.6/18

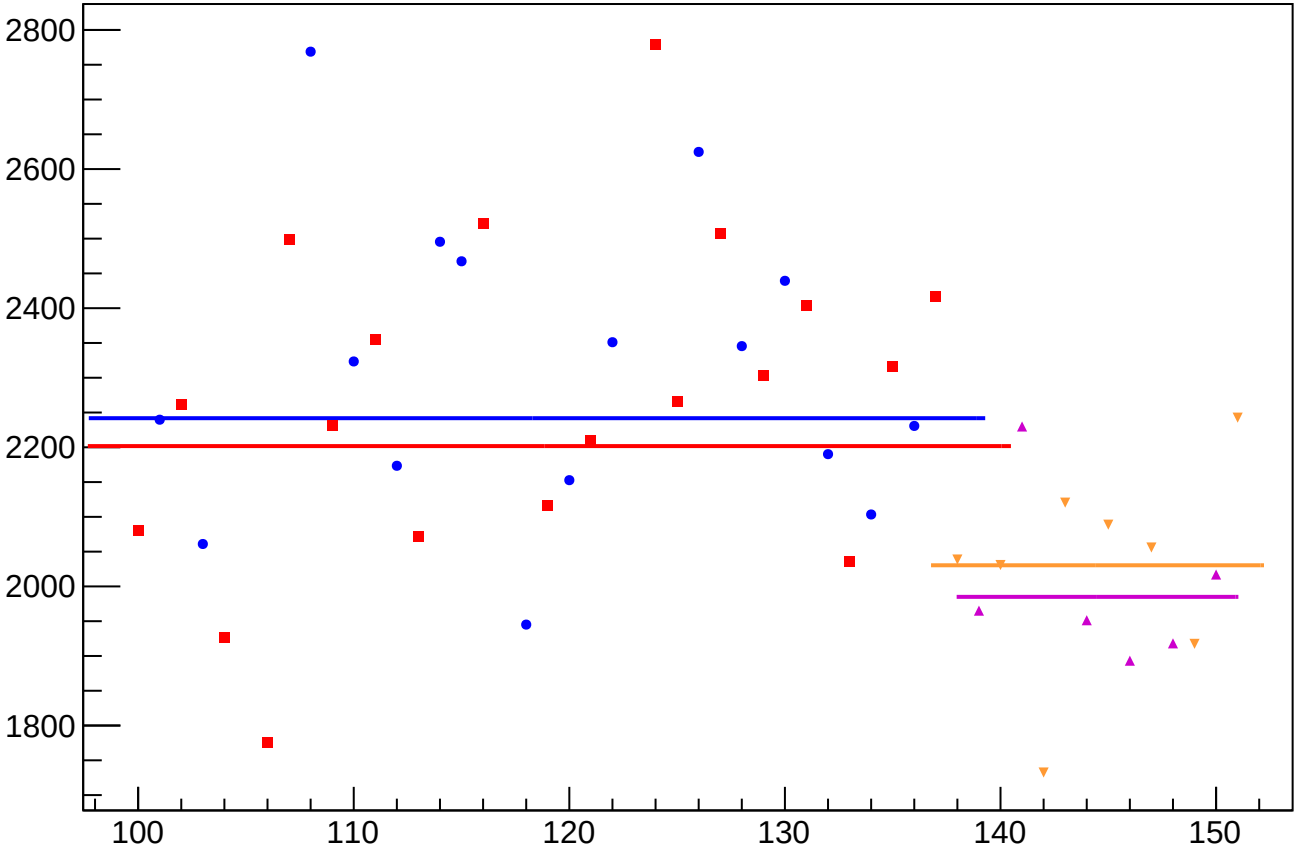
Left In: 8.840+/-0.873 χ^2/NDF:36.1/5

+ sign 10.261+/-0.586 χ^2/NDF: 197.3/23

All: 5.451+/-0.417 χ^2/NDF: 674.1/48

- sign 0.511+/-0.593 χ^2/NDF: 340.1/24

diff_bpm0i01Y_rms vs Slug



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2030.391+/-0.579 χ^2/NDF:51210.6/7

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

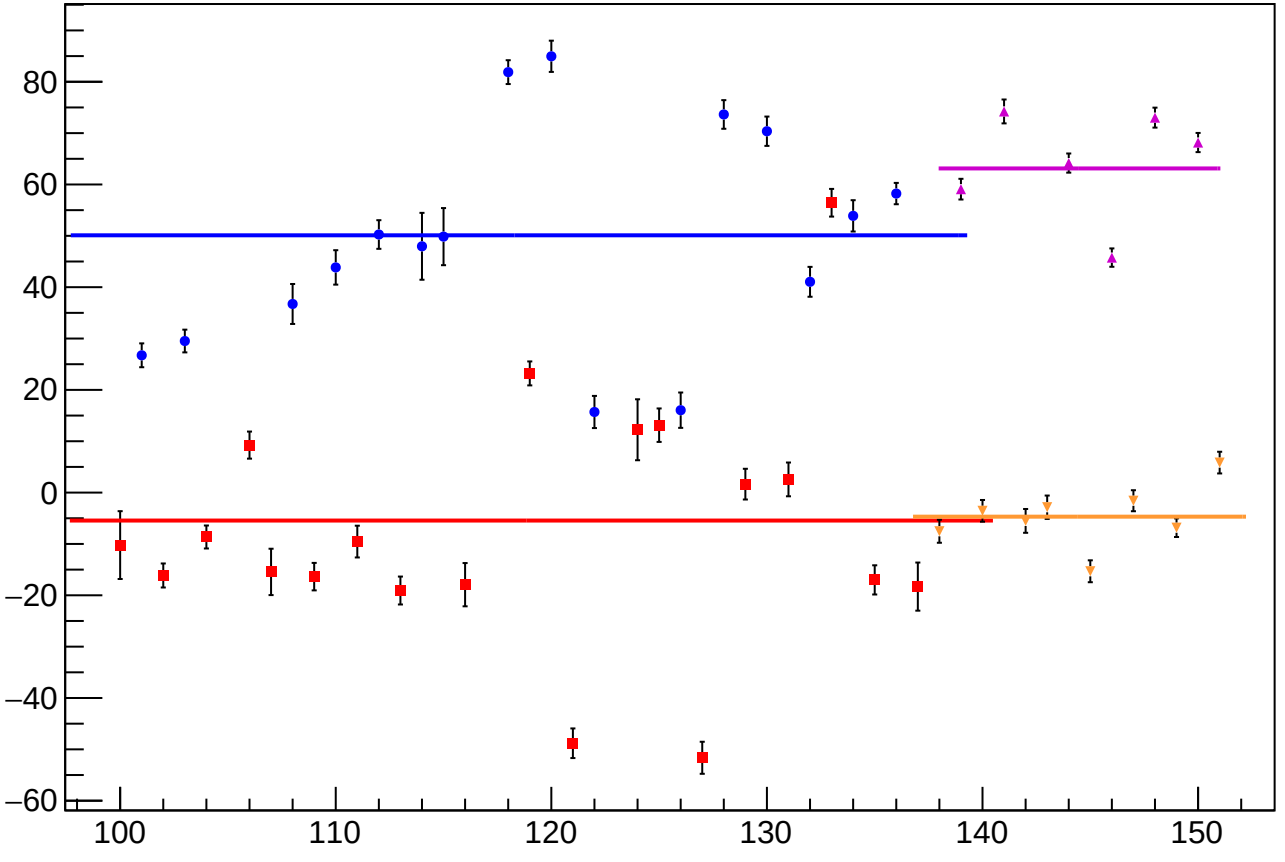
Left In: 1984.993+/-0.617 χ^2/NDF:28133.9/5

+ sign 2133.738+/-0.414 χ^2/NDF: 218645.3/23

All: 2117.844+/-0.295 χ^2/NDF: 445978.0/48

- sign 2101.521+/-0.420 χ^2/NDF: 224345.9/24

diff_bpm0i01aX_mean vs Slug



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: -4.688+/-0.747 χ^2/NDF:56.1/7

Right Out: -5.444+/-0.694 χ^2/NDF: 1311.6/18

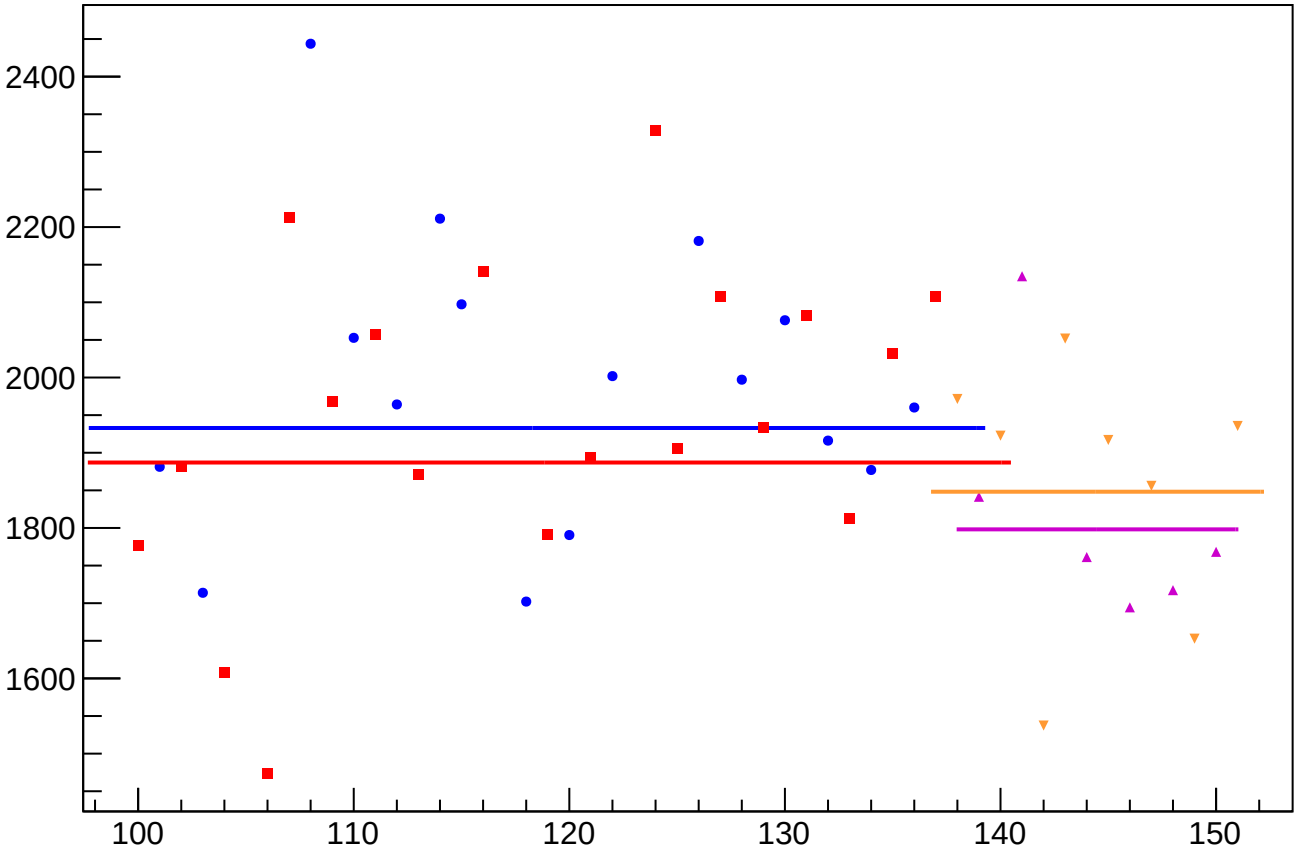
Left In: 63.122+/-0.795 χ^2/NDF:154.6/5

\+ sign 23.650+/-0.519 χ^2/NDF: 3723.9/23

All: 23.938+/-0.368 χ^2/NDF: 9411.7/48

\- sign 24.230+/-0.523 χ^2/NDF: 5687.2/24

diff_bpm0i01aX_rms vs Slug



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 1848.194+/-0.529 χ^2/NDF:89281.1/7

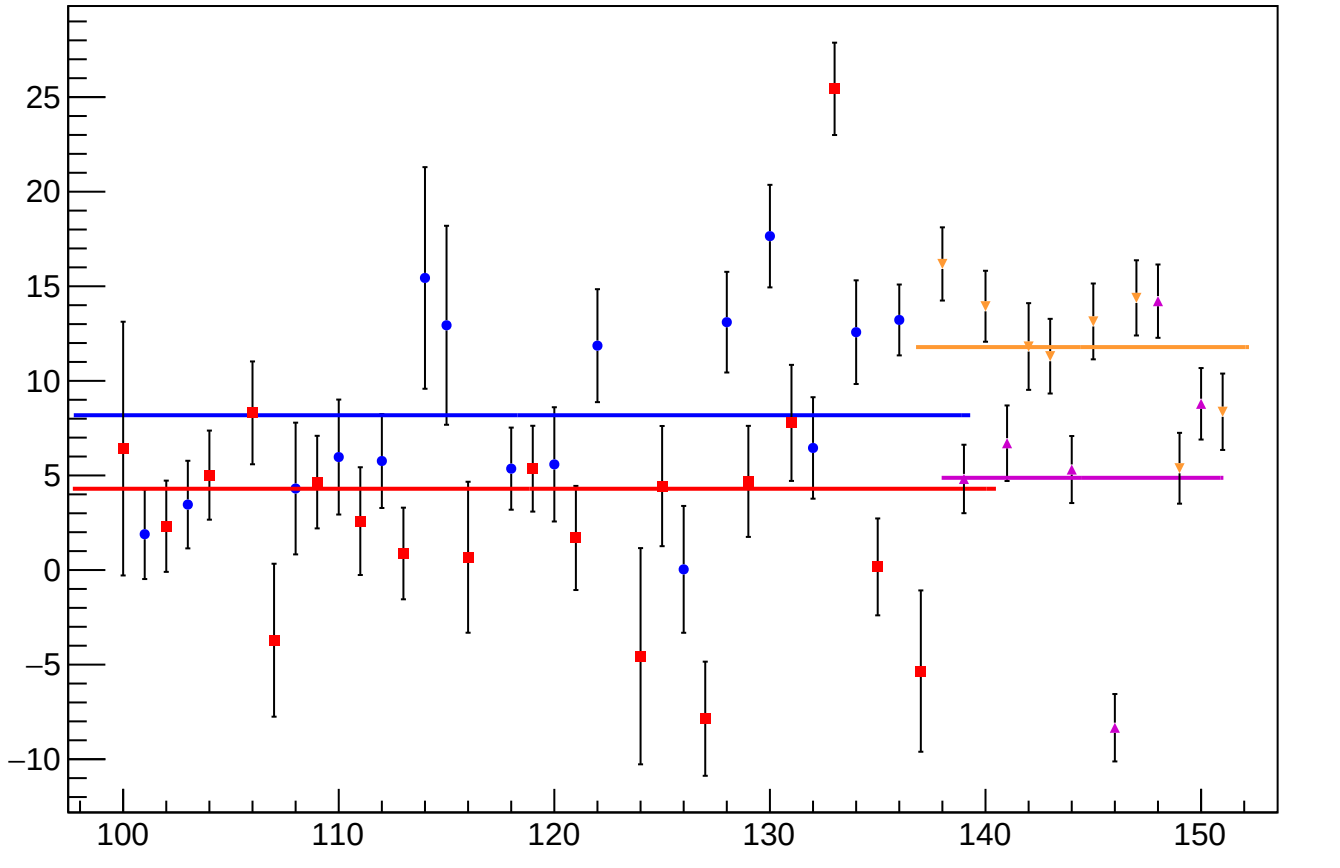
Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

Left In: 1798.143+/-0.562 χ^2/NDF:54281.9/5

+ sign 1892.007+/-0.367 χ^2/NDF: 208535.6/23

All: 1870.426+/-0.261 χ^2/NDF: 433699.1/48

- sign 1848.548+/-0.370 χ^2/NDF: 218208.5/24



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 11.785+/-0.702 χ^2/NDF:23.3/7

Right Out: 4.297+/-0.665 χ^2/NDF: 114.0/18

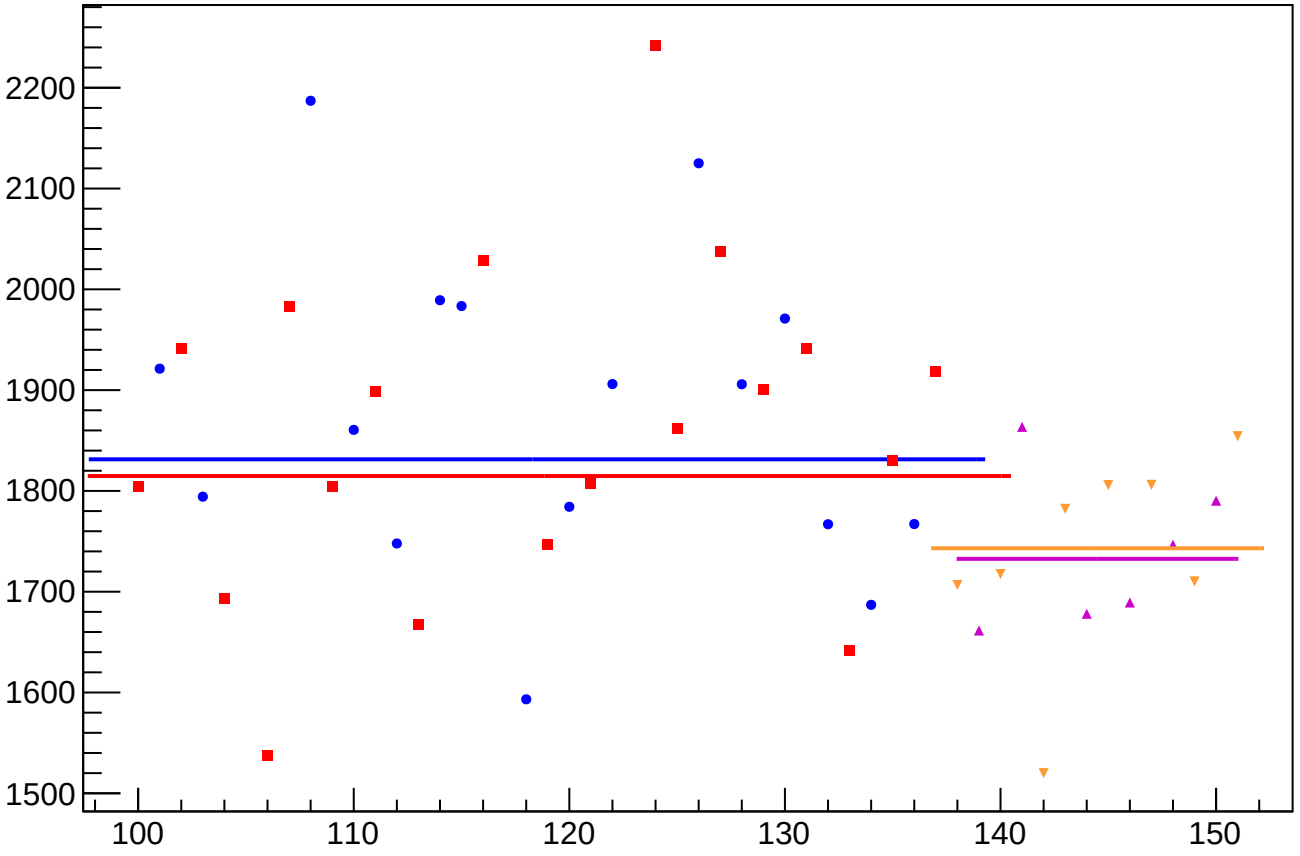
Left In: 4.875+/-0.759 χ^2/NDF:83.4/5

+ sign 9.937+/-0.490 χ^2/NDF: 88.8/23

All: 7.301+/-0.350 χ^2/NDF: 345.7/48

- sign 4.548+/-0.500 χ^2/NDF: 197.7/24

diff_bpm0i01aY_rms vs Slug



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1743.094+/-0.496 χ^2/NDF:31464.6/7

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

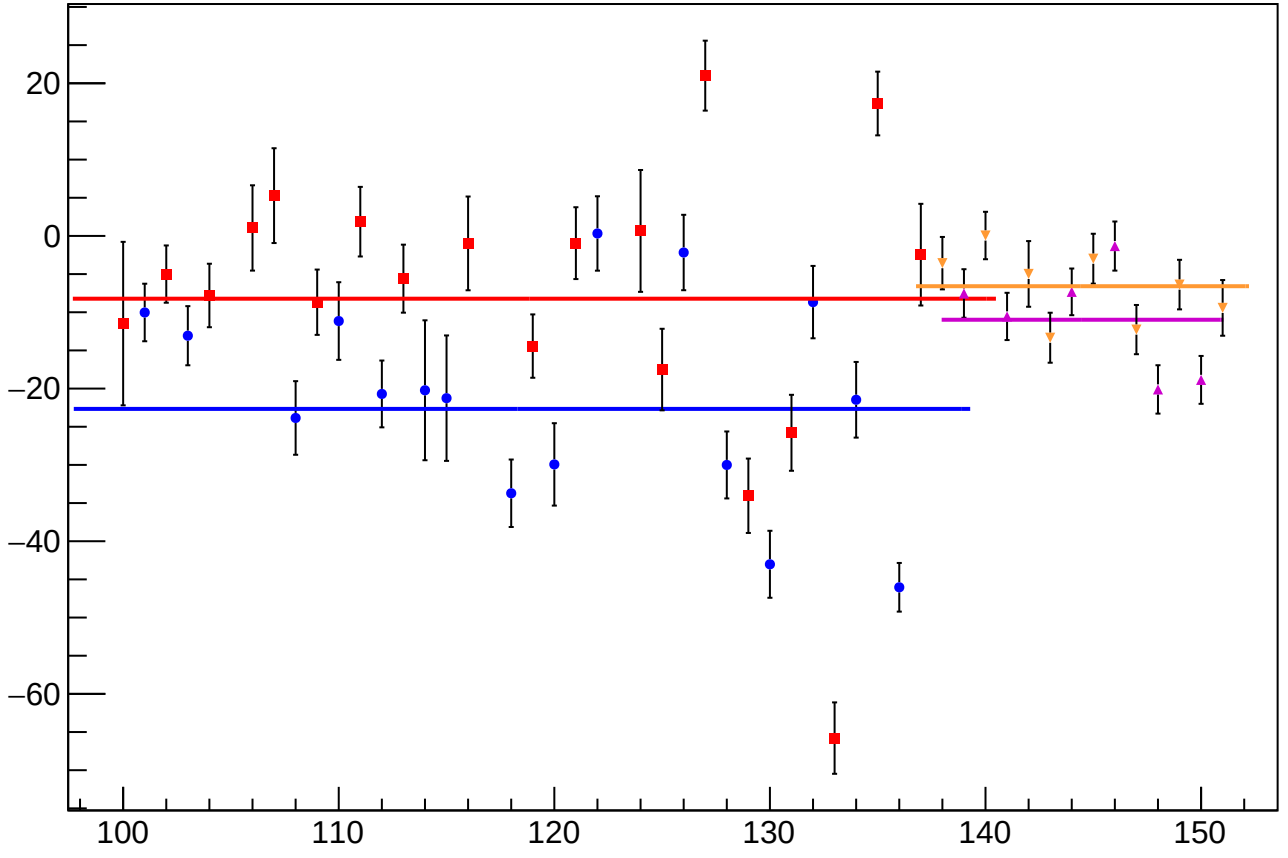
Left In: 1732.609+/-0.537 χ^2/NDF:16730.1/5

+ sign 1788.381+/-0.346 χ^2/NDF: 134620.9/23

All: 1783.821+/-0.247 χ^2/NDF: 255697.2/48

- sign 1779.059+/-0.354 χ^2/NDF: 120721.7/24

diff_bpm0l01X_mean vs Slug



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -6.588+/-1.199 χ^2/NDF:14.7/7

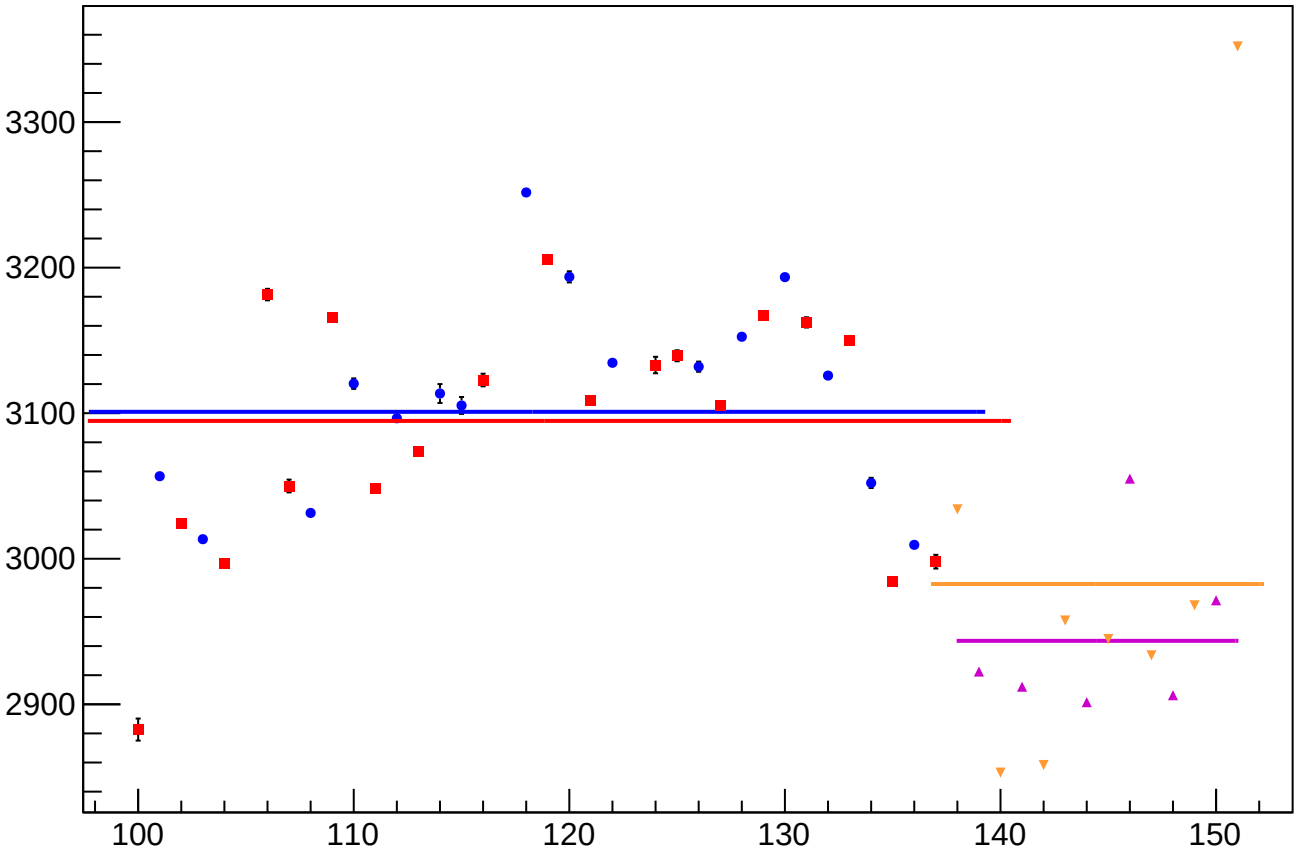
Right Out: -8.224+/-1.129 χ^2/NDF: 294.8/18

Left In: -10.982+/-1.282 χ^2/NDF:26.2/5

+ sign -14.949+/-0.831 χ^2/NDF: 265.3/23

All: -12.243+/-0.593 χ^2/NDF: 610.6/48

- sign -9.428+/-0.847 χ^2/NDF: 323.7/24



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 2982.637+/-0.848 χ^2/NDF:26984.4/7

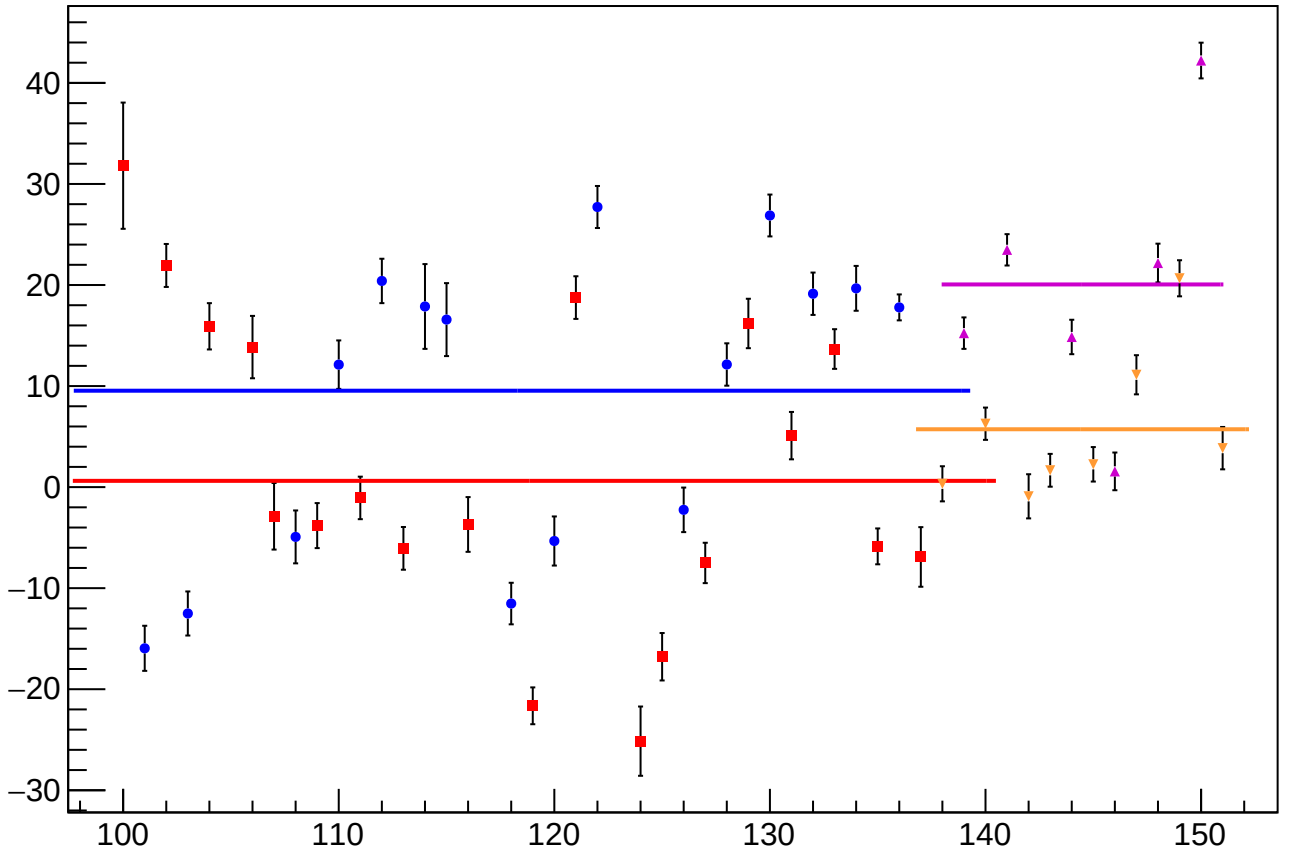
Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

Left In: 2943.605+/-0.907 χ^2/NDF:3510.3/5

+ sign 3044.166+/-0.587 χ^2/NDF: 45001.5/23

All: 3036.599+/-0.419 χ^2/NDF: 73076.8/48

- sign 3028.728+/-0.599 χ^2/NDF: 27736.7/24



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 5.726+/-0.637 χ^2/NDF:107.9/7

Right Out: 0.620+/-0.534 χ^2/NDF: 665.8/18

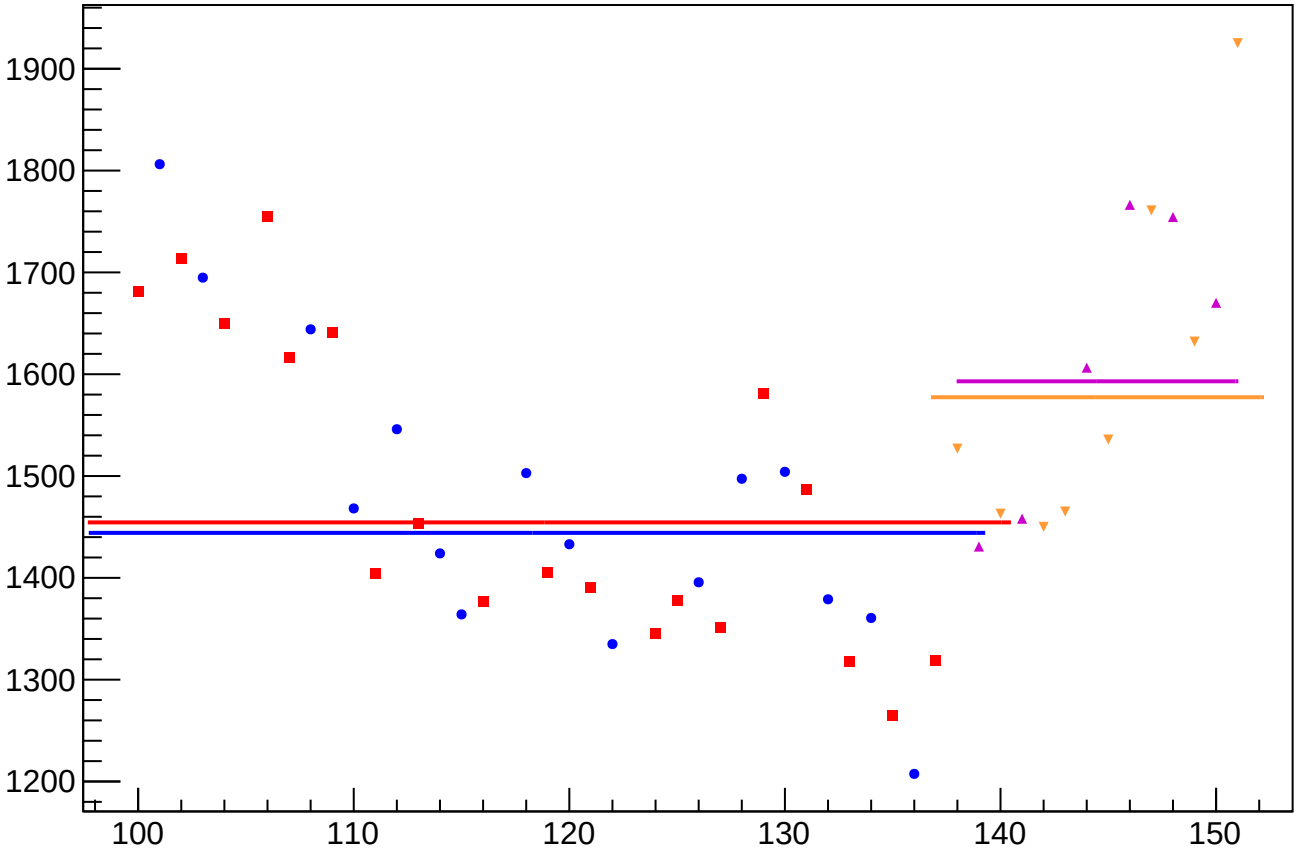
Left In: 20.056+/-0.698 χ^2/NDF:280.5/5

+ sign 7.942+/-0.413 χ^2/NDF: 827.4/23

All: 7.871+/-0.296 χ^2/NDF: 2262.8/48

- sign 7.797+/-0.424 χ^2/NDF: 1435.3/24

diff_bpm0l01Y_rms vs Slug



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1577.387+/-0.451 χ^2/NDF:104301.7/7

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

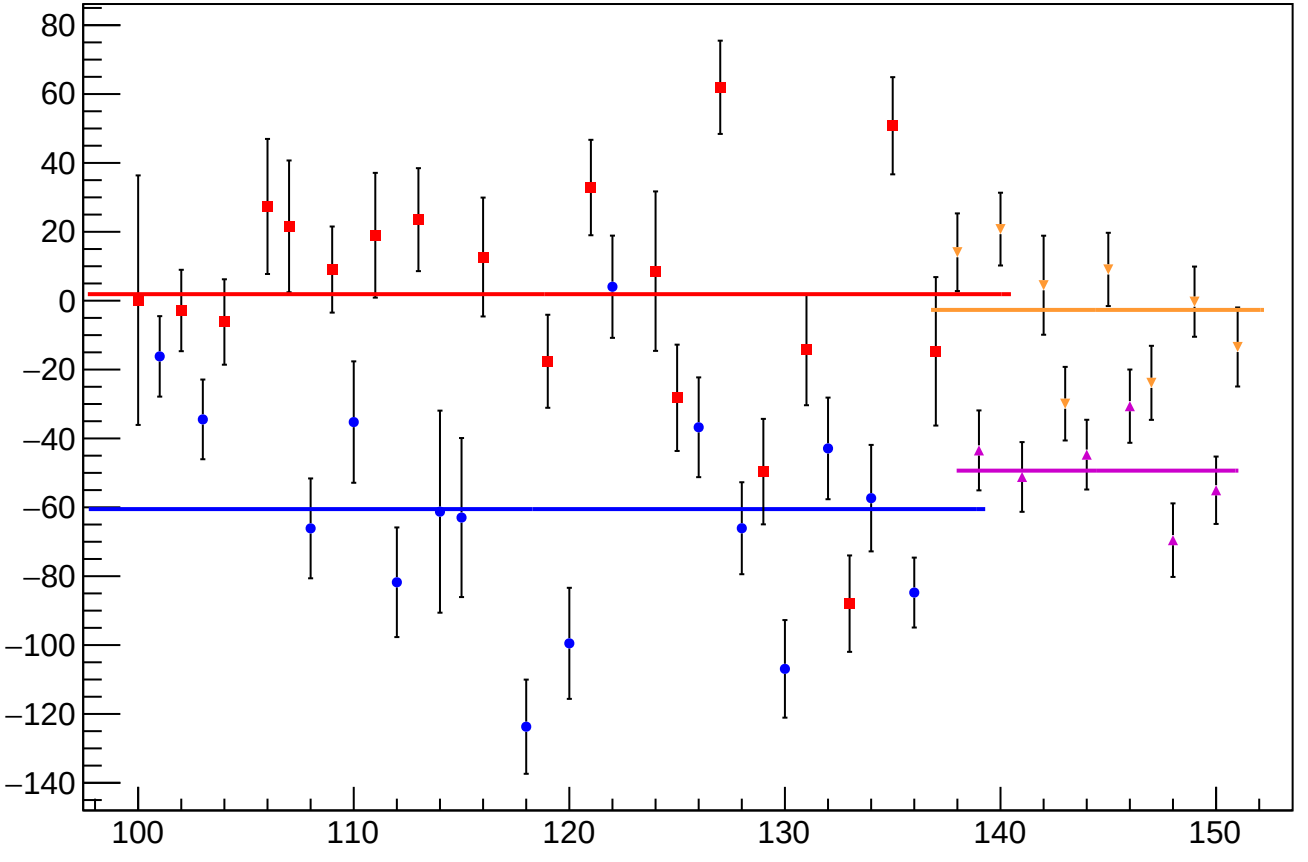
Left In: 1593.052+/-0.494 χ^2/NDF:72249.0/5

+ sign 1500.014+/-0.292 χ^2/NDF: 335206.2/23

All: 1502.751+/-0.209 χ^2/NDF: 600128.7/48

- sign 1505.644+/-0.300 χ^2/NDF: 264741.4/24

diff_bpm0l02X_mean vs Slug



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: -2.677+/-3.919 χ^2/NDF:19.9/7

Right Out: 1.894+/-3.543 χ^2/NDF: 103.8/18

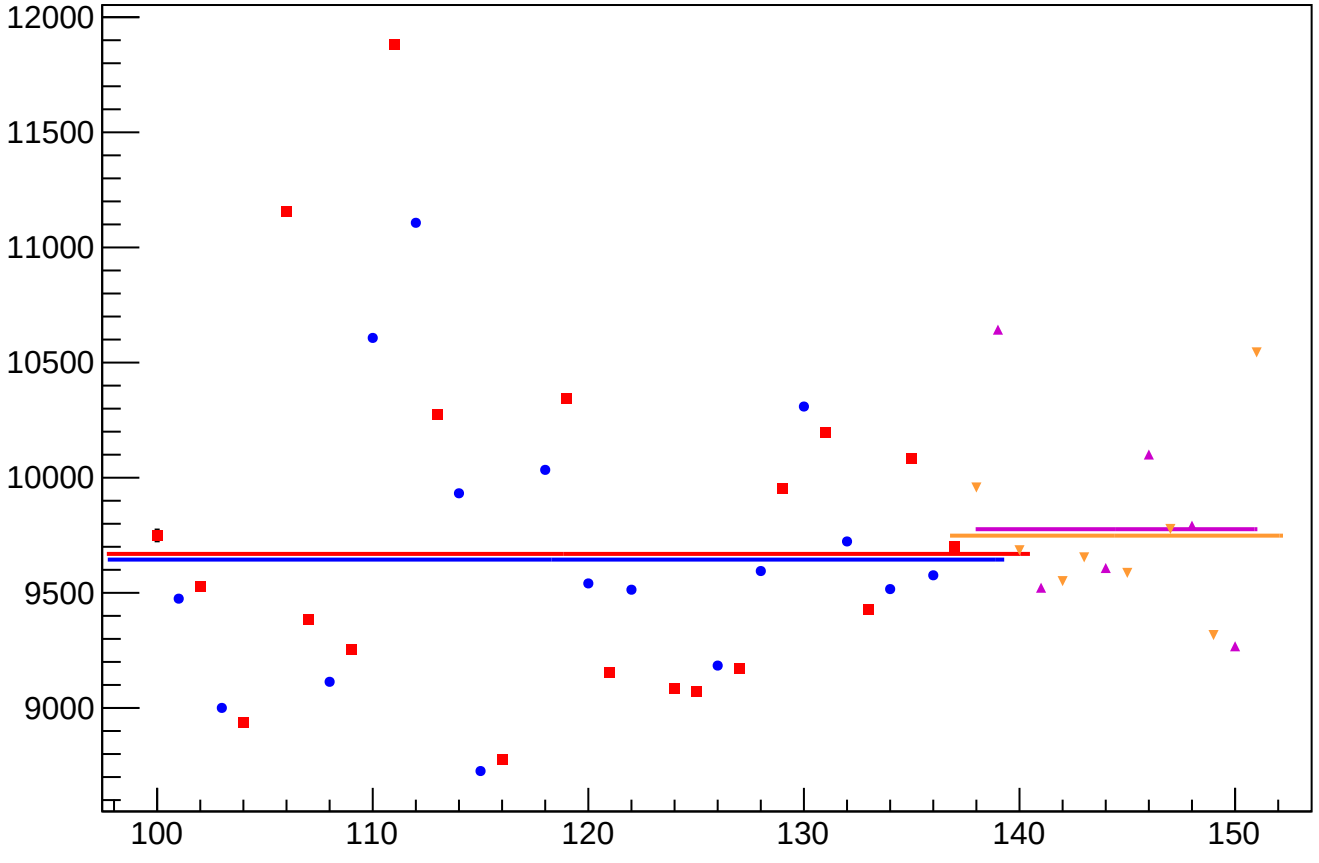
Left In: -49.349+/-4.264 χ^2/NDF:7.5/5

+ sign -34.073+/-2.650 χ^2/NDF: 228.5/23

All: -26.764+/-1.900 χ^2/NDF: 441.0/48

- sign -19.032+/-2.725 χ^2/NDF: 196.8/24

diff_bpm0l02X_rms vs Slug



Right In: 9644.396+/-2.543 χ^2/NDF: 44101.6/15

Left Out: 9748.444+/-2.771 χ^2/NDF:14979.7/7

Right Out: 9669.136+/-2.505 χ^2/NDF: 79878.1/18

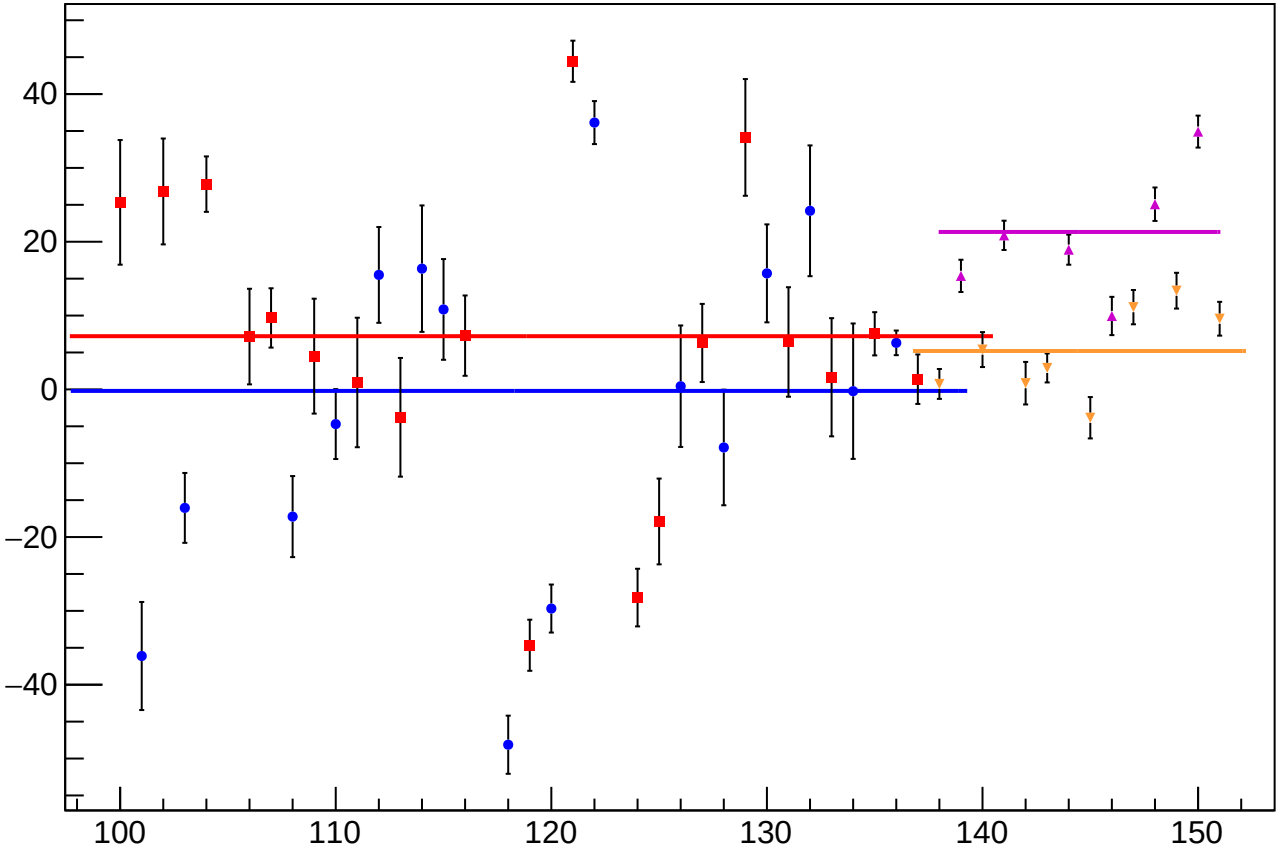
Left In: 9776.421+/-3.015 χ^2/NDF:20230.5/5

+ sign 9691.966+/-1.874 χ^2/NDF: 59846.7/23

All: 9702.162+/-1.343 χ^2/NDF: 160765.2/48

- sign 9712.948+/-1.927 χ^2/NDF: 100857.6/24

diff_bpm0l02Y_mean vs Slug



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 5.200+/-0.823 χ^2/NDF:40.5/7

Right Out: 7.206+/-1.074 χ^2/NDF: 485.6/18

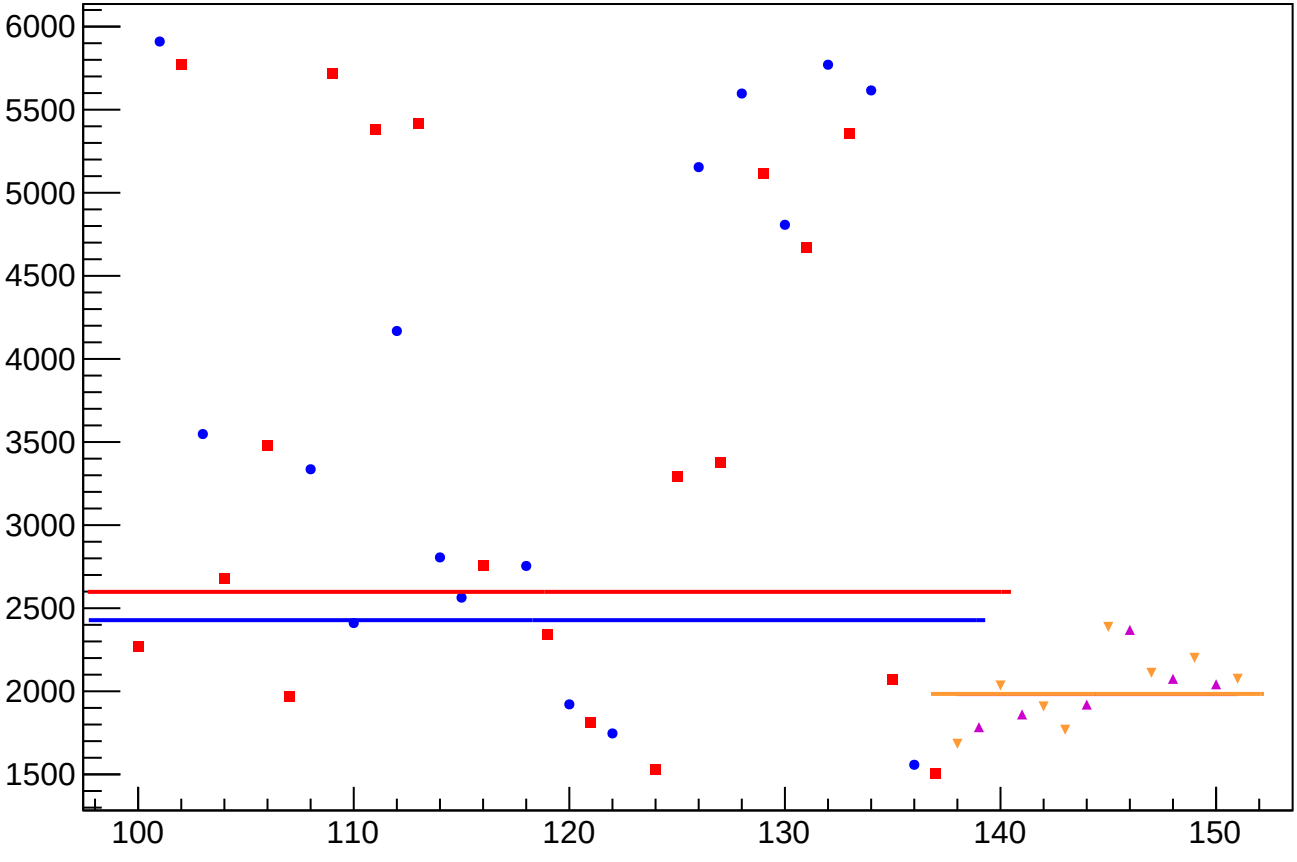
Left In: 21.325+/-0.890 χ^2/NDF:70.3/5

+ sign 3.131+/-0.647 χ^2/NDF: 530.7/23

All: 8.991+/-0.470 χ^2/NDF: 1363.4/48

- sign 15.572+/-0.685 χ^2/NDF: 658.4/24

diff_bpm0l02Y_rms vs Slug



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 1984.266+/-0.582 χ^2/NDF:136975.3/7

Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

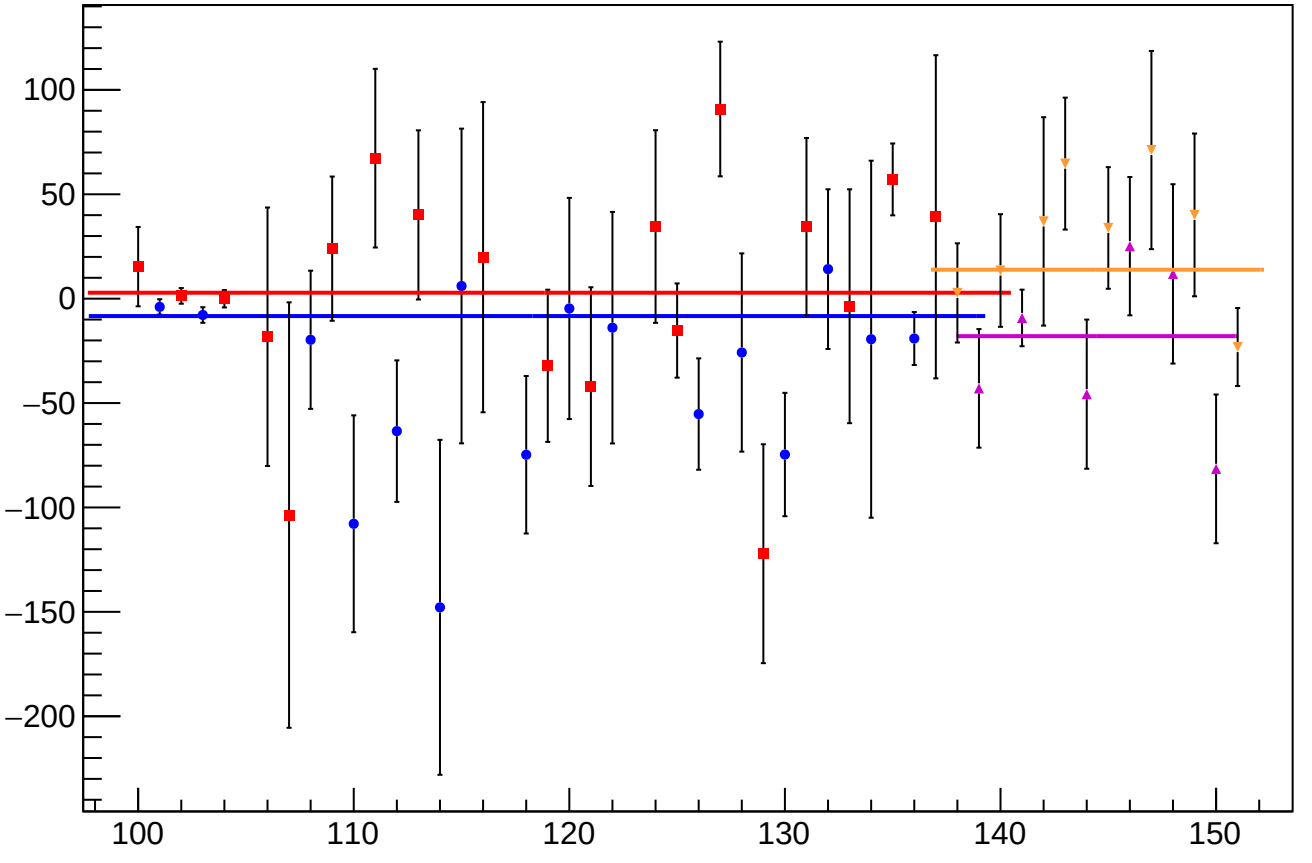
Left In: 1983.235+/-0.630 χ^2/NDF:75299.0/5

+ sign 2154.093+/-0.457 χ^2/NDF: 3174864.3/23

All: 2191.662+/-0.333 χ^2/NDF: 6168395.1/48

- sign 2233.861+/-0.485 χ^2/NDF: 2979196.9/24

diff_bpm0l03X_mean vs Slug



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 13.879+/-10.156 χ^2/NDF:9.3/7

Right Out: 2.848+/-2.640 χ^2/NDF: 32.6/18

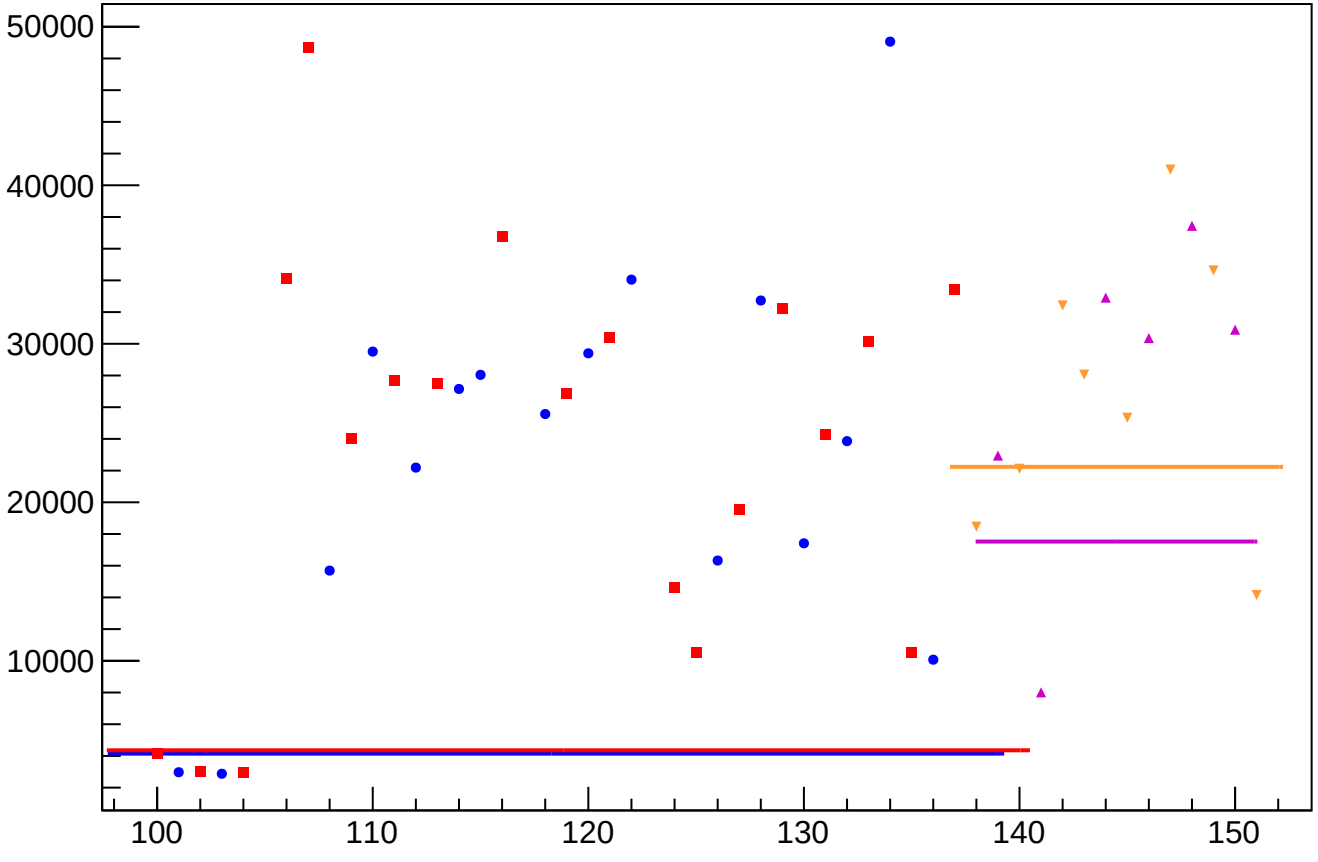
Left In: -17.948+/-10.148 χ^2/NDF:7.2/5

+ sign -7.064+/-2.427 χ^2/NDF: 37.3/23

All: -2.987+/-1.759 χ^2/NDF: 86.9/48

- sign 1.530+/-2.555 χ^2/NDF: 43.7/24

diff_bpm0l03X_rms vs Slug



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 22236.587+/-7.181 χ^2/NDF:1113884.6/7

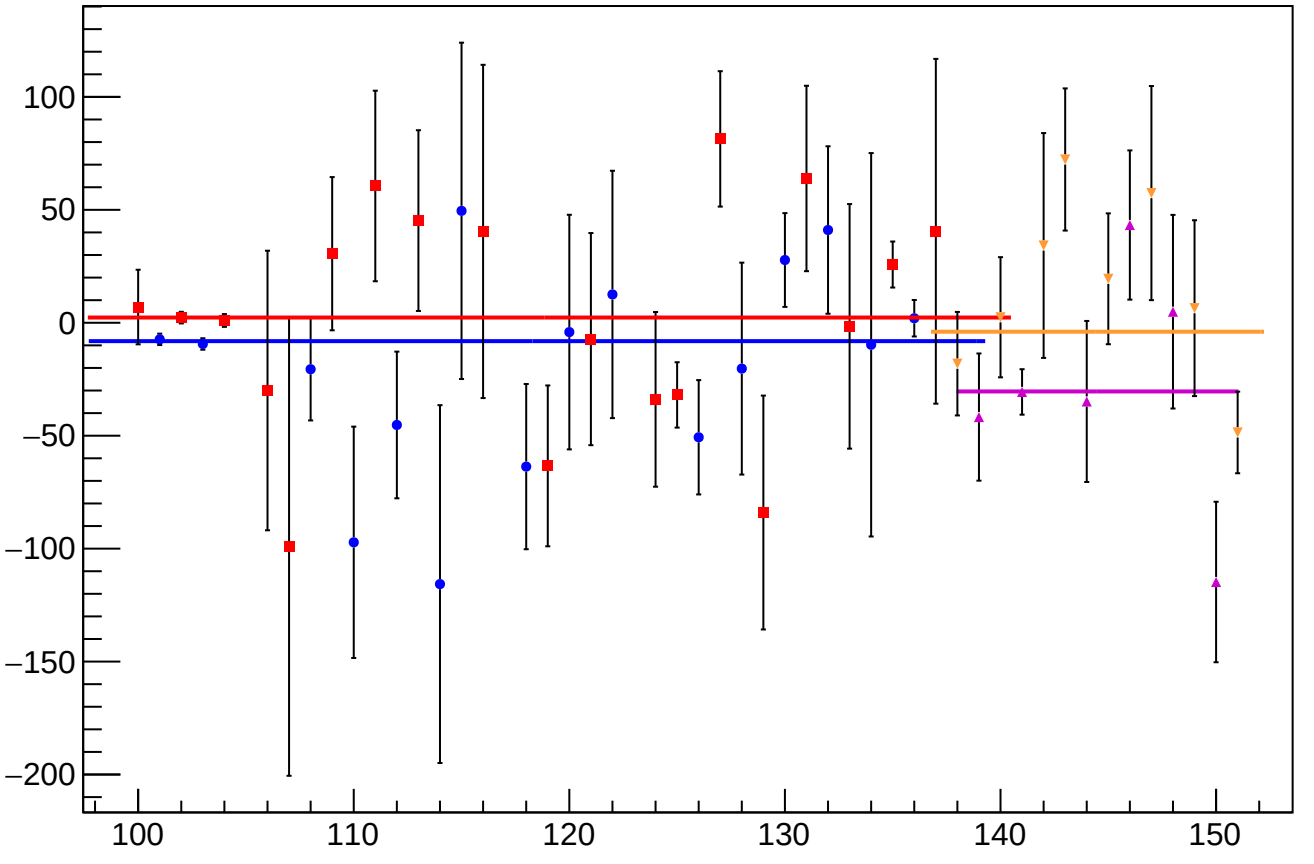
Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

Left In: 17523.557+/-7.175 χ^2/NDF:2442035.4/5

+ sign 5178.941+/-1.716 χ^2/NDF: 13934771.8/23

All: 5183.720+/-1.244 χ^2/NDF: 27156517.3/4

- sign 5189.016+/-1.806 χ^2/NDF: 13221729.2/24



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -3.958+/-9.955 χ^2/NDF:15.4/7

Right Out: 2.325+/-1.822 χ^2/NDF: 33.1/18

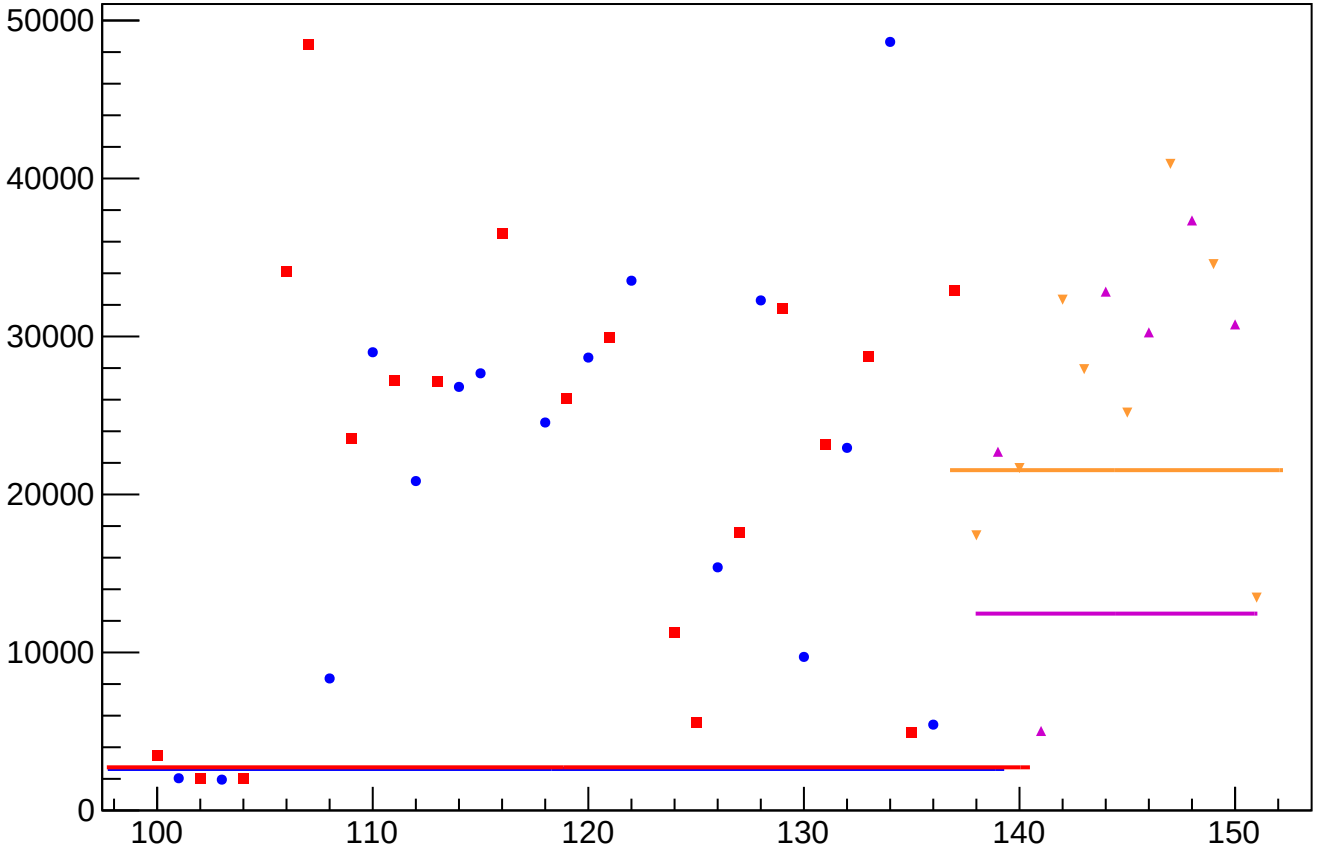
Left In: -30.409+/-8.399 χ^2/NDF:11.5/5

+ sign -8.011+/-1.695 χ^2/NDF: 34.7/23

All: -3.795+/-1.228 χ^2/NDF: 106.7/48

- sign 0.854+/-1.780 χ^2/NDF: 59.0/24

diff_bpm0l03Y_rms vs Slug



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 21538.947+/-7.039 χ^2/NDF:1230684.5/7

Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

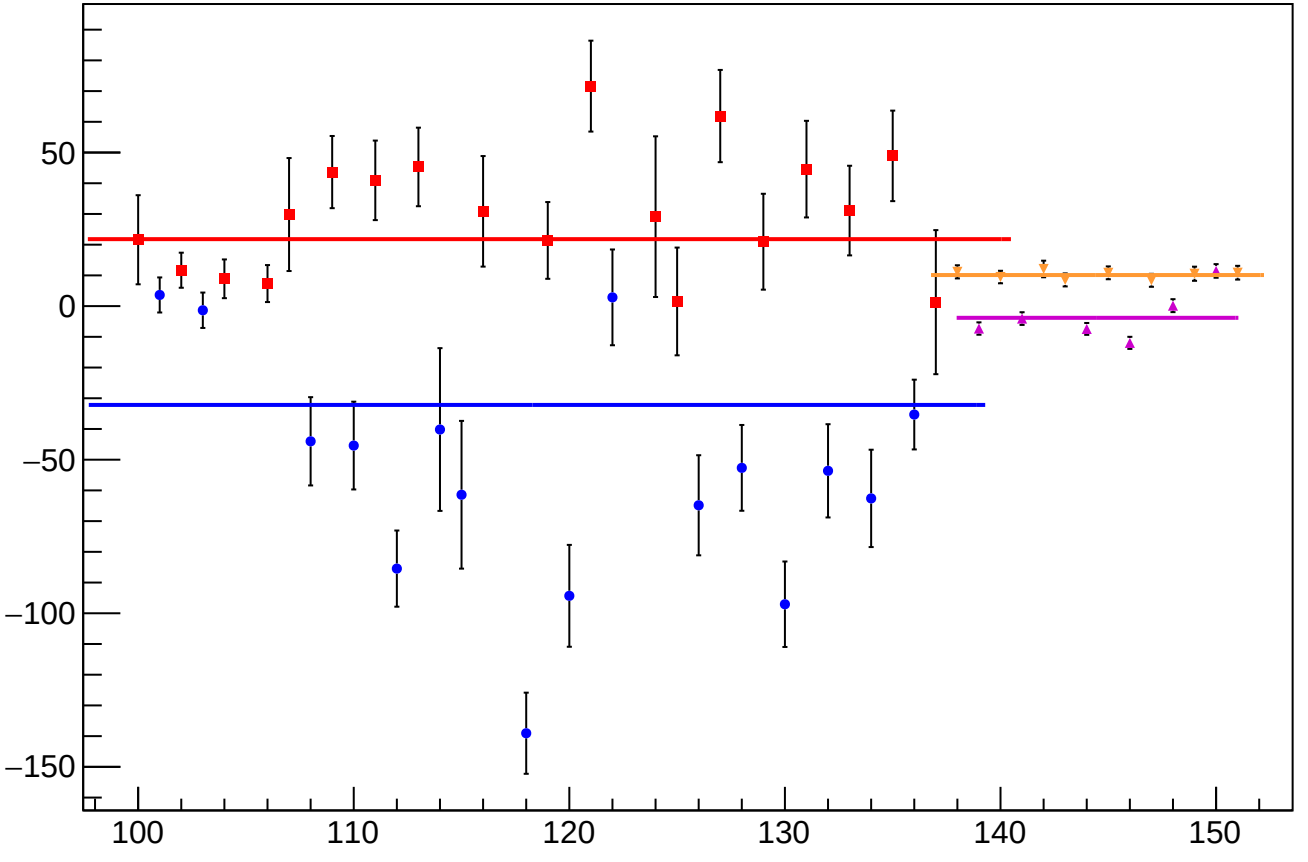
Left In: 12458.652+/-5.939 χ^2/NDF:3794092.8/5

+ sign 3174.860+/-1.199 χ^2/NDF: 15020416.1/23

All: 3171.257+/-0.868 χ^2/NDF: 29363033.9/4

- sign 3167.284+/-1.259 χ^2/NDF: 14342598.8/24

diff_bpm0l04X_mean vs Slug



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 10.114+/-0.777 χ^2/NDF:2.4/7

Right Out: 21.801+/-2.557 χ^2/NDF: 49.1/18

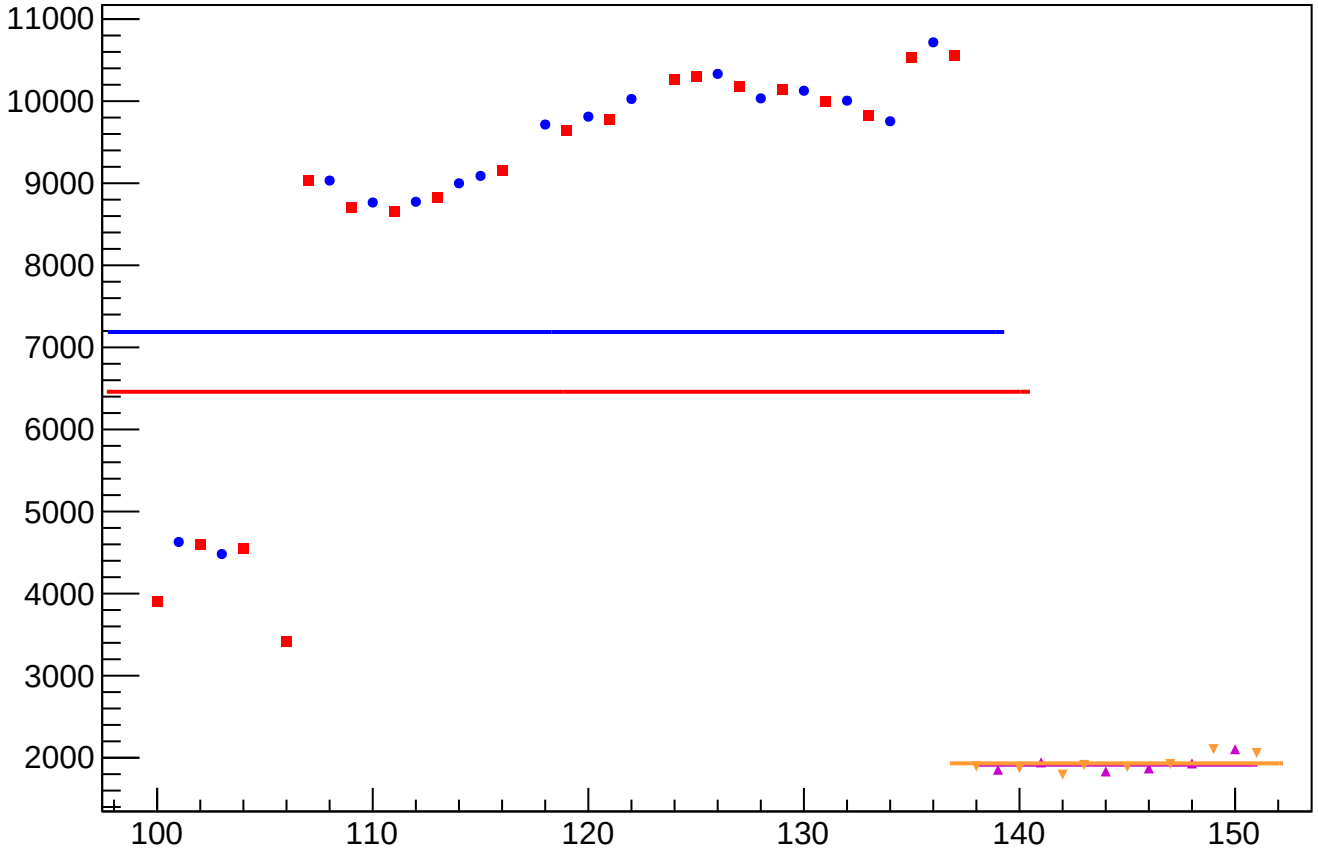
Left In: -3.811+/-0.836 χ^2/NDF:74.4/5

+ sign 7.172+/-0.750 χ^2/NDF: 416.1/23

All: 3.162+/-0.545 χ^2/NDF: 691.0/48

- sign -1.340+/-0.794 χ^2/NDF: 214.1/24

diff_bpm0l04X_rms vs Slug



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 1931.803+/-0.549 χ^2/NDF:26296.6/7

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

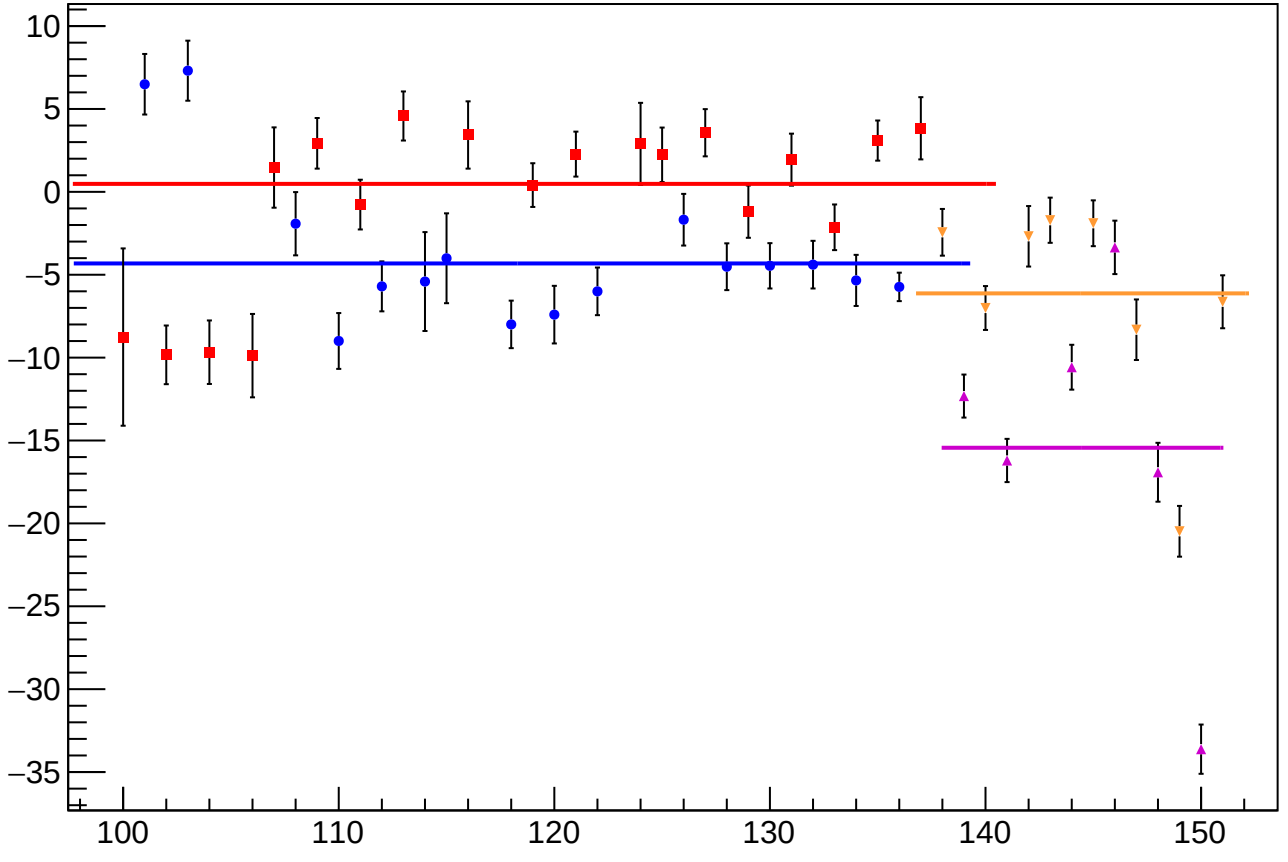
Left In: 1915.412+/-0.591 χ^2/NDF:21386.0/5

+ sign 2297.441+/-0.530 χ^2/NDF: 8097045.1/23

All: 2323.952+/-0.385 χ^2/NDF: 16105193.0/4

- sign 2353.719+/-0.562 χ^2/NDF: 8002837.0/24

diff_bpm0l04Y_mean vs Slug



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -6.125+/-0.530 χ^2/NDF:120.1/7

Right Out: 0.481+/-0.379 χ^2/NDF: 117.2/18

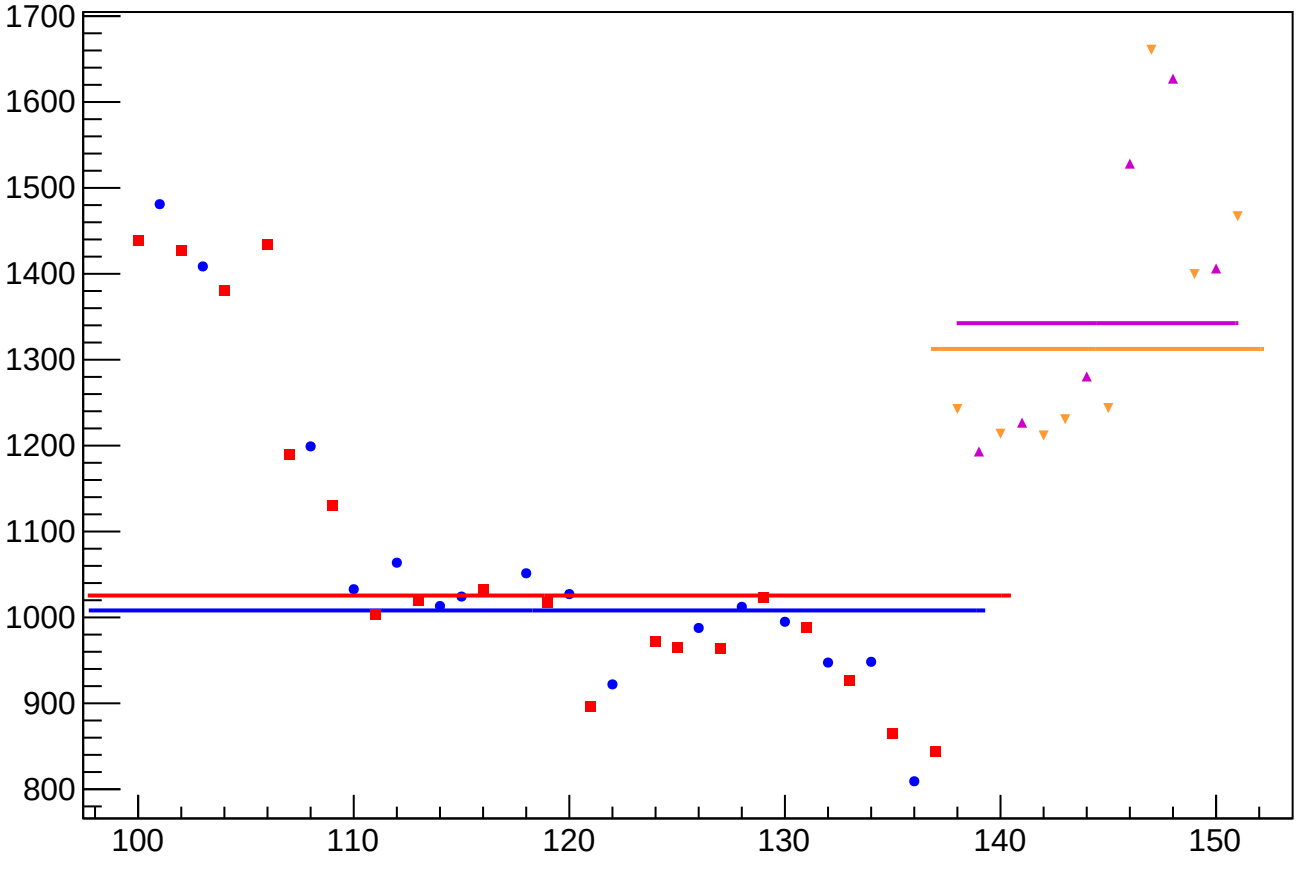
Left In: -15.437+/-0.589 χ^2/NDF:225.8/5

+ sign -4.931+/-0.309 χ^2/NDF: 231.4/23

All: -4.565+/-0.222 χ^2/NDF: 1094.2/48

- sign -4.175+/-0.319 χ^2/NDF: 859.9/24

diff_bpm0l04Y_rms vs Slug



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1312.551+/-0.375 χ^2/NDF:132209.6/7

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

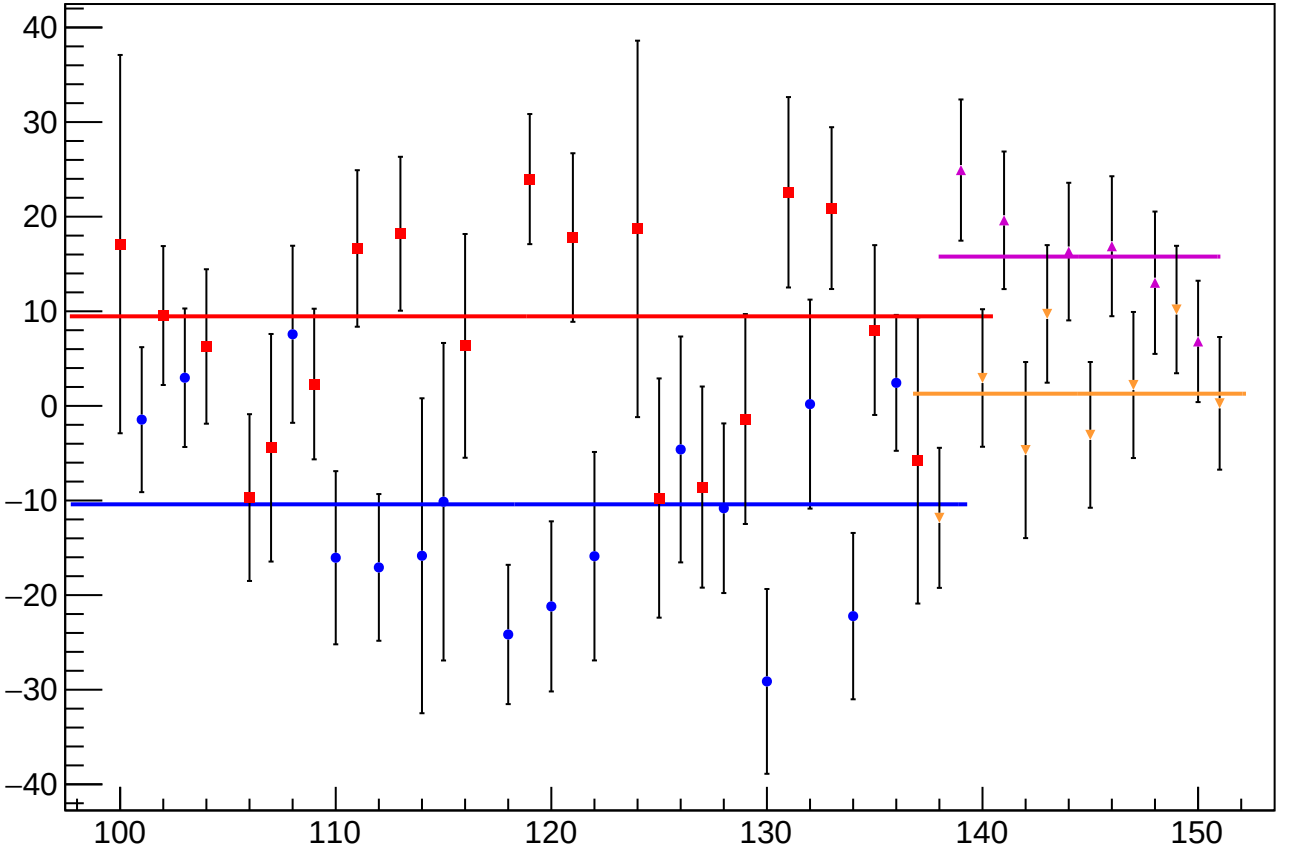
Left In: 1342.557+/-0.416 χ^2/NDF:128081.8/5

+ sign 1111.291+/-0.218 χ^2/NDF: 946680.3/23

All: 1114.649+/-0.157 χ^2/NDF: 1831392.5/48

- sign 1118.222+/-0.225 χ^2/NDF: 884224.0/24

diff_bpm0l05X_mean vs Slug



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: 1.290+/-2.638 χ^2/NDF:7.0/7

Right Out: 9.467+/-2.191 χ^2/NDF: 25.4/18

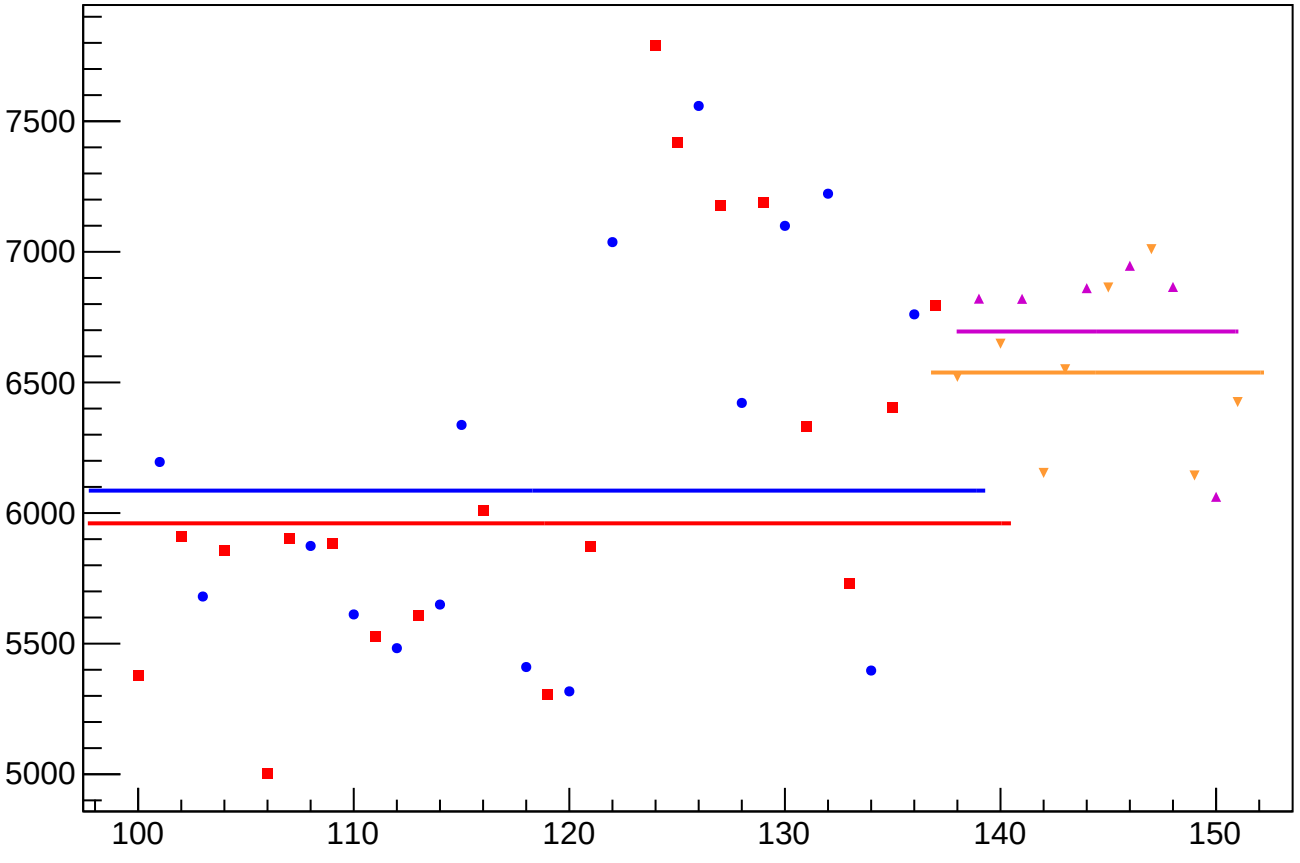
Left In: 15.781+/-2.936 χ^2/NDF:3.9/5

+ sign -5.405+/-1.725 χ^2/NDF: 42.9/23

All: 3.009+/-1.231 χ^2/NDF: 123.6/48

- sign 11.726+/-1.756 χ^2/NDF: 32.2/24

diff_bpm0l05X_rms vs Slug



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6537.973+/-1.866 χ^2/NDF:22310.3/7

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

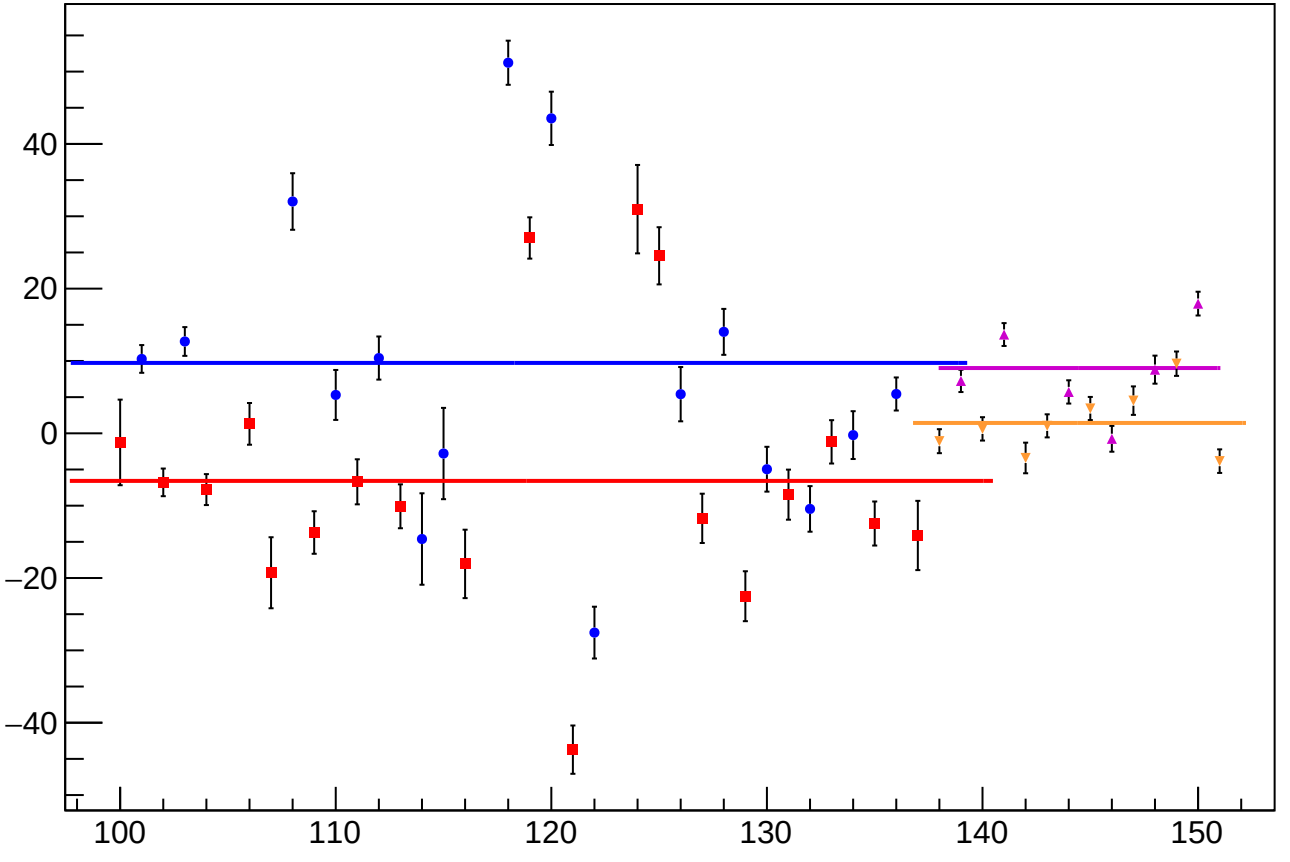
Left In: 6695.008+/-2.076 χ^2/NDF:25015.5/5

+ sign 6279.148+/-1.220 χ^2/NDF: 235046.5/23

All: 6251.724+/-0.870 χ^2/NDF: 504249.0/48

- sign 6223.315+/-1.242 χ^2/NDF: 268173.5/24

diff_bpm0l05Y_mean vs Slug



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: 1.435+/-0.604 χ^2/NDF:46.0/7

Right Out: -6.576+/-0.730 χ^2/NDF: 423.8/18

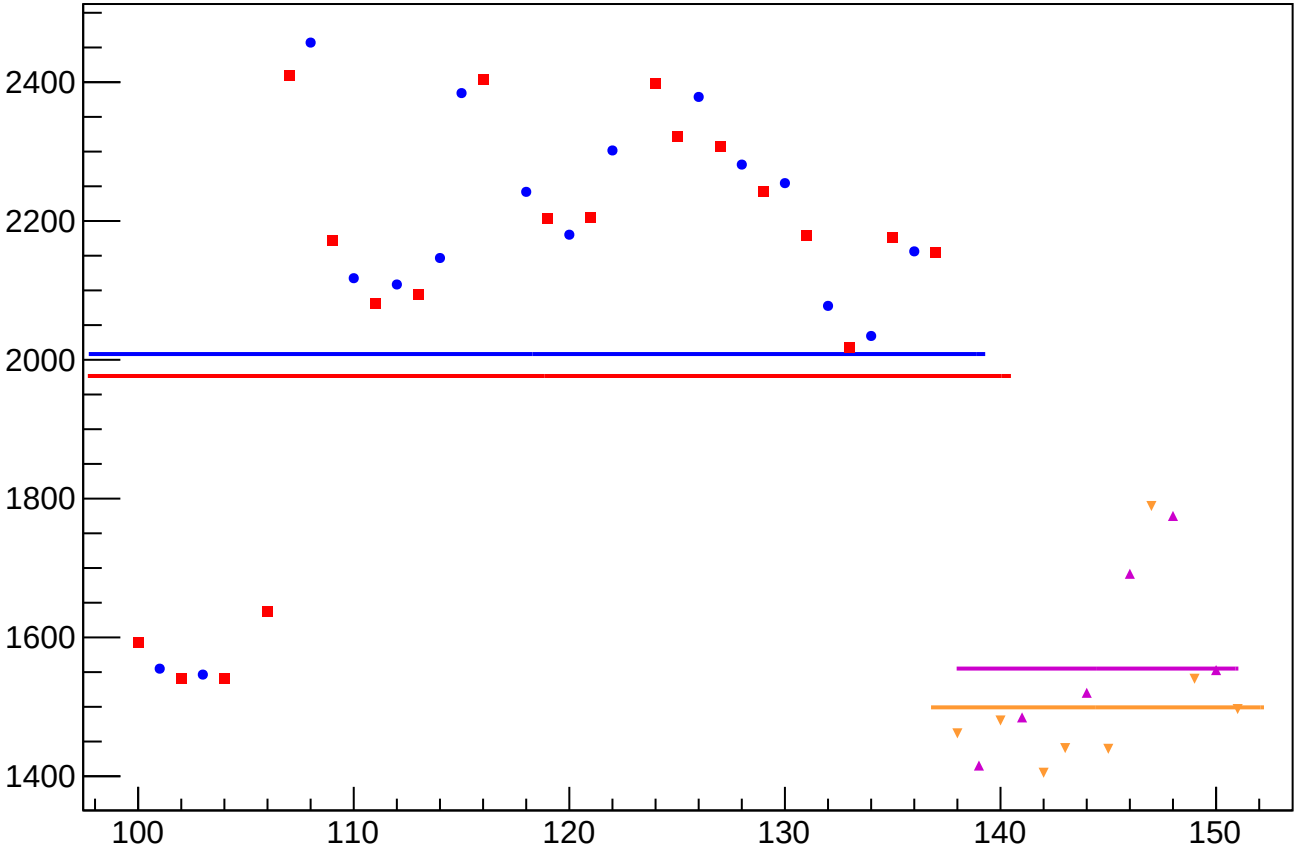
Left In: 9.024+/-0.680 χ^2/NDF:73.6/5

+ sign 4.674+/-0.472 χ^2/NDF: 632.0/23

All: 3.303+/-0.342 χ^2/NDF: 1391.5/48

- sign 1.775+/-0.498 χ^2/NDF: 741.6/24

diff_bpm0l05Y_rms vs Slug



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1499.240+/-0.427 χ^2/NDF:55369.2/7

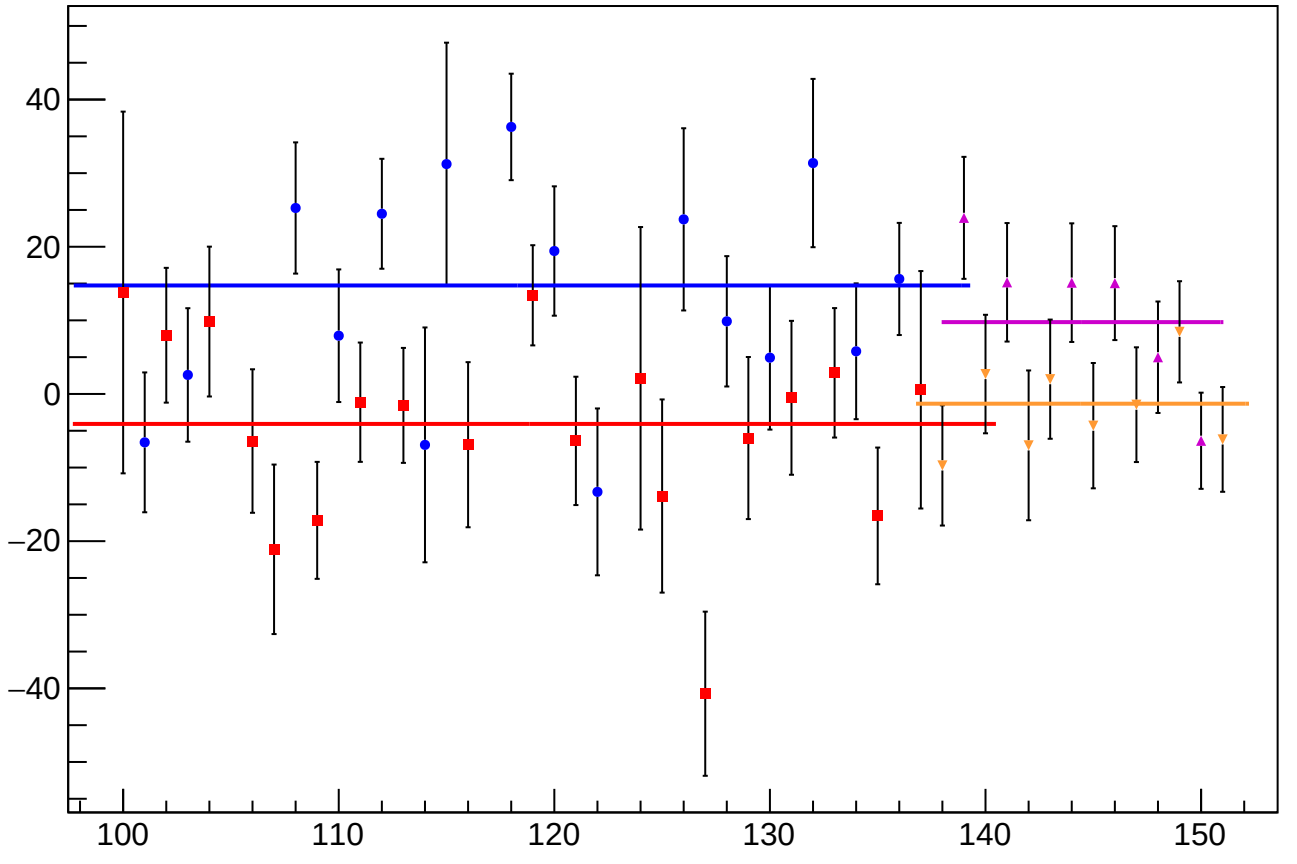
Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

Left In: 1555.118+/-0.481 χ^2/NDF:58867.7/5

+ sign 1697.927+/-0.333 χ^2/NDF: 954211.6/23

All: 1723.029+/-0.242 χ^2/NDF: 1747165.3/48

- sign 1750.997+/-0.352 χ^2/NDF: 780975.8/24



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -1.324+/-2.812 χ^2/NDF:4.4/7

Right Out: -4.072+/-2.274 χ^2/NDF: 30.2/18

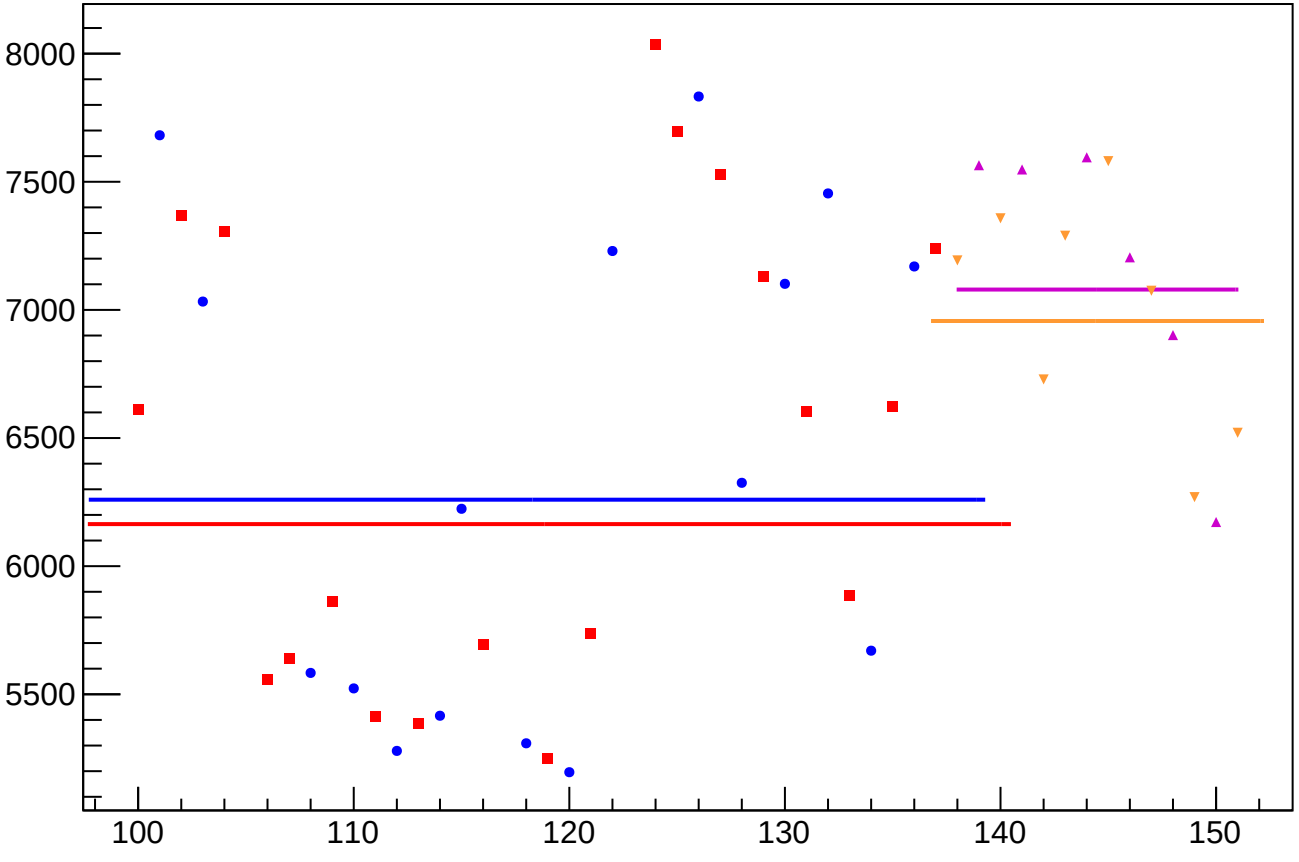
Left In: 9.760+/-3.117 χ^2/NDF:10.8/5

+ sign 8.109+/-1.807 χ^2/NDF: 57.1/23

All: 4.482+/-1.288 χ^2/NDF: 119.1/48

- sign 0.733+/-1.837 χ^2/NDF: 53.8/24

diff_bpm0l06X_rms vs Slug



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 6956.730+/-1.988 χ^2/NDF:49701.6/7

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

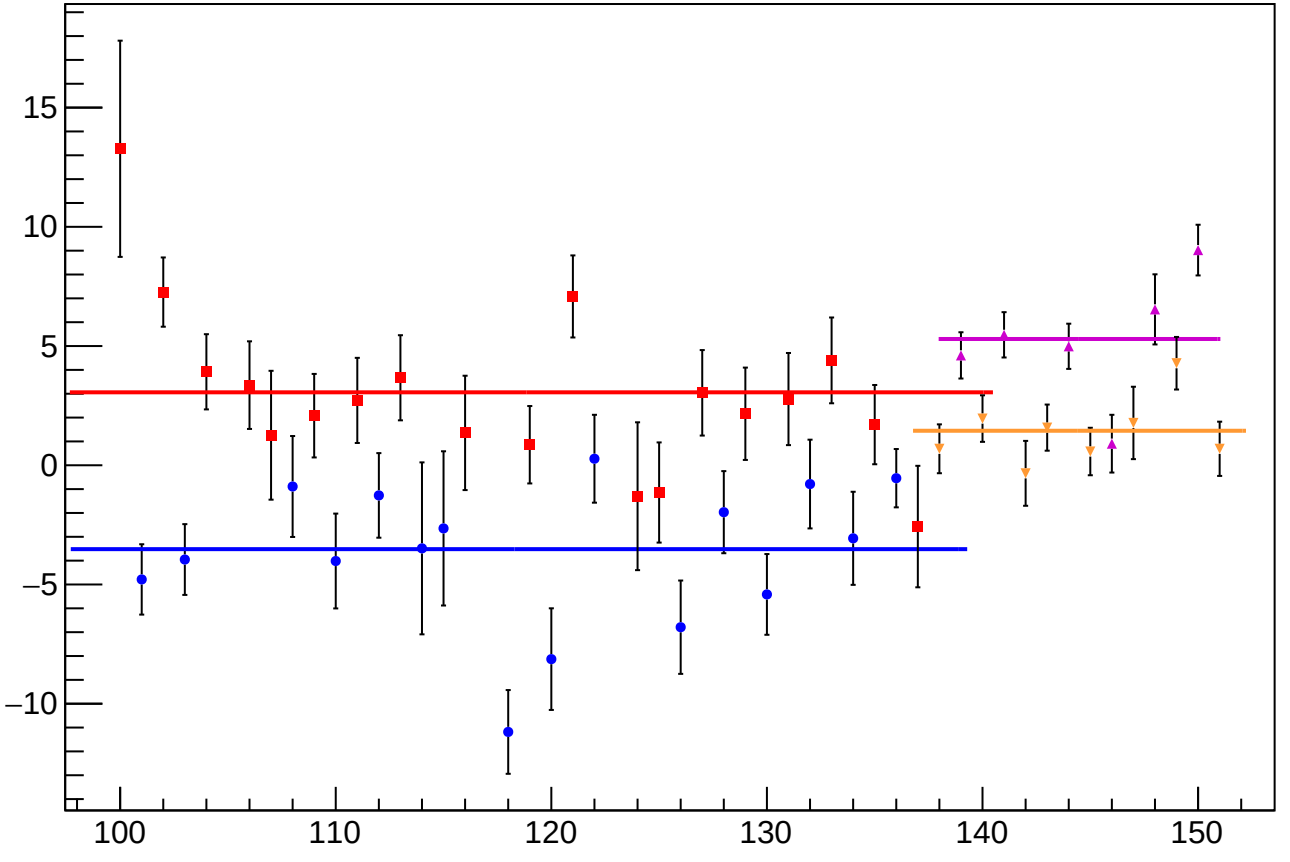
Left In: 7079.412+/-2.204 χ^2/NDF:62009.3/5

+ sign 6547.250+/-1.278 χ^2/NDF: 430527.2/23

All: 6515.204+/-0.911 χ^2/NDF: 871448.2/48

- sign 6482.077+/-1.299 χ^2/NDF: 439641.2/24

diff_bpm0l06Y_mean vs Slug



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 1.447+/-0.388 χ^2/NDF:10.4/7

Right Out: 3.059+/-0.438 χ^2/NDF: 34.8/18

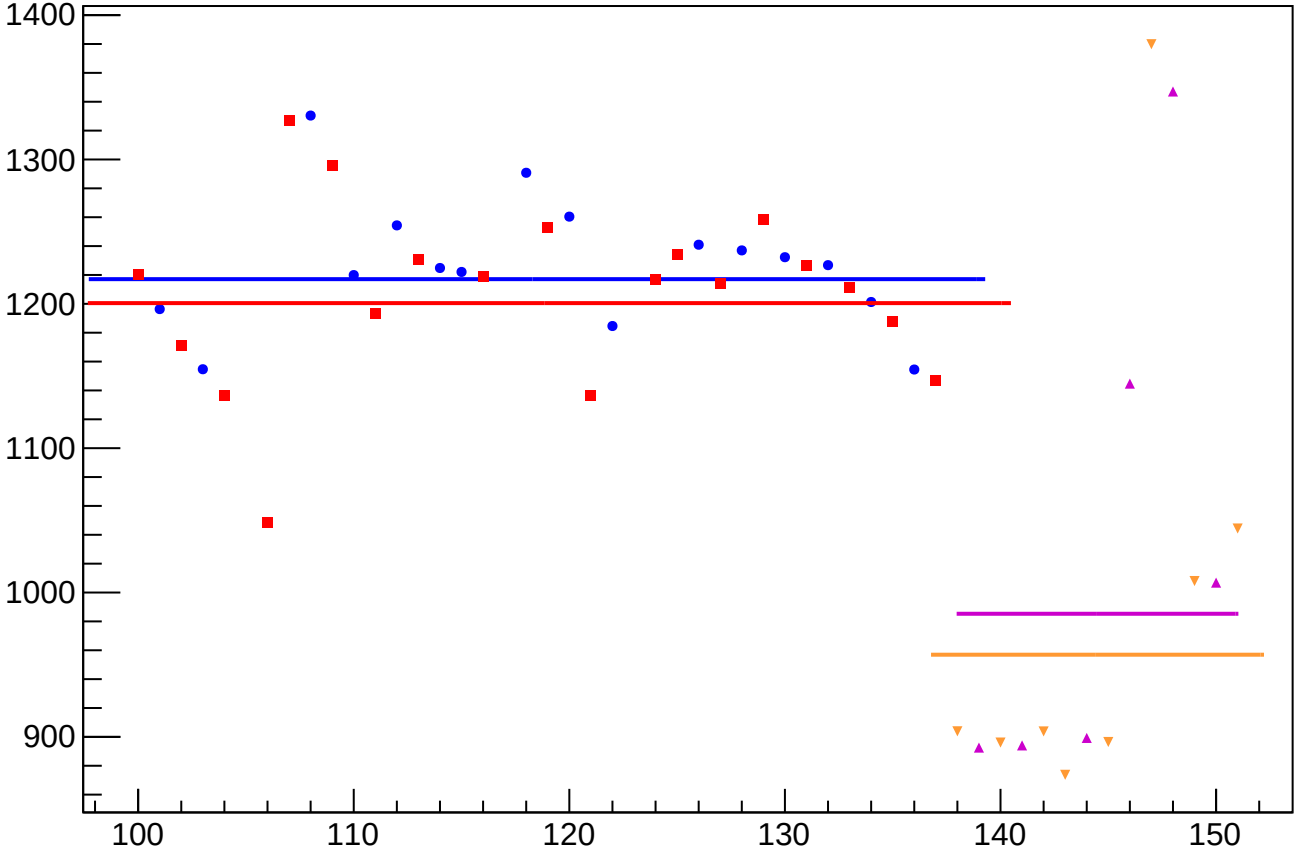
Left In: 5.296+/-0.434 χ^2/NDF:26.8/5

+ sign -0.656+/-0.294 χ^2/NDF: 124.9/23

All: 1.655+/-0.213 χ^2/NDF: 328.8/48

- sign 4.189+/-0.308 χ^2/NDF: 74.8/24

diff_bpm0l06Y_rms vs Slug



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 956.929+/-0.274 χ^2/NDF:209723.5/7

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

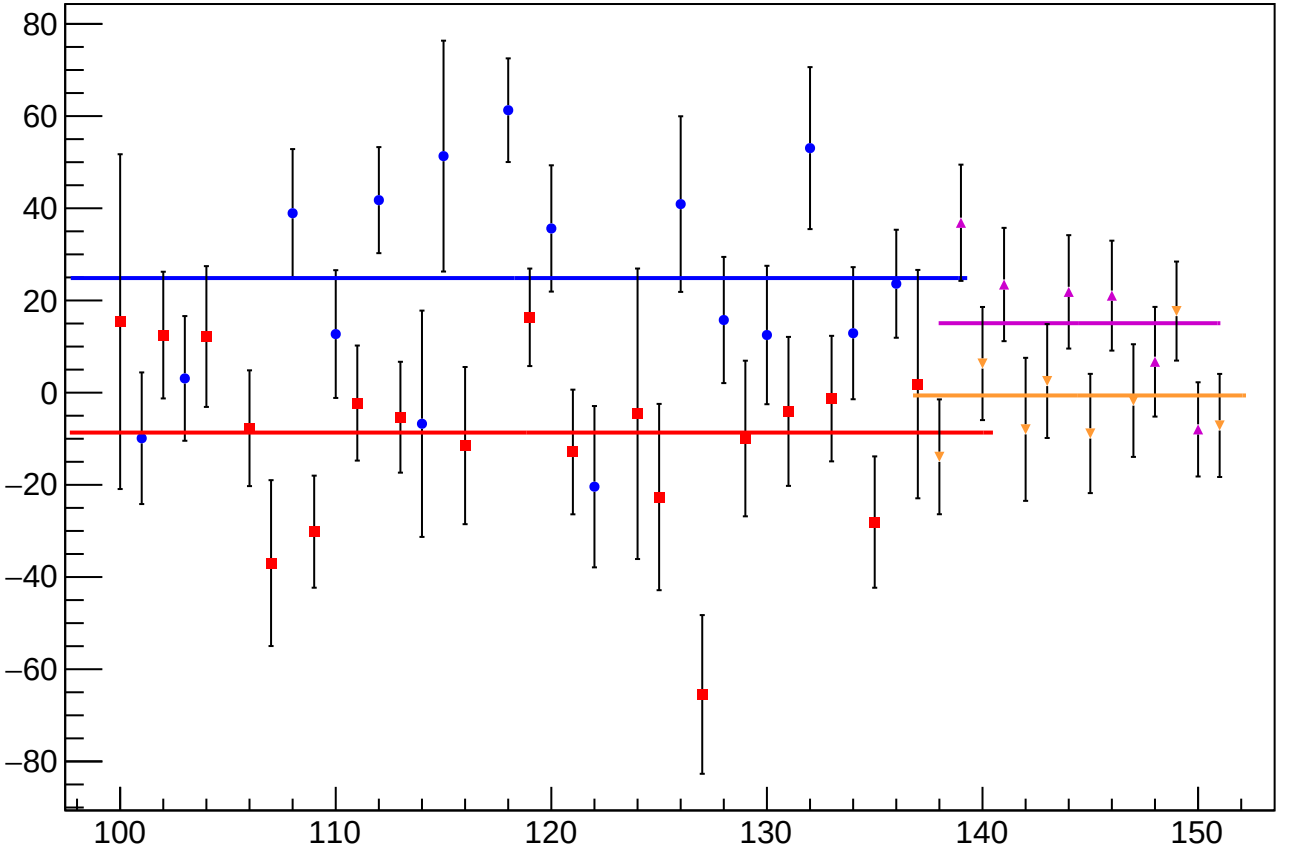
Left In: 985.290+/-0.307 χ^2/NDF:209710.2/5

+ sign 1067.124+/-0.208 χ^2/NDF: 612667.4/23

All: 1078.890+/-0.151 χ^2/NDF: 1110225.6/48

- sign 1091.796+/-0.218 χ^2/NDF: 490861.4/24

diff_bpm0l07X_mean vs Slug



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -0.606+/-4.339 χ^2/NDF:5.4/7

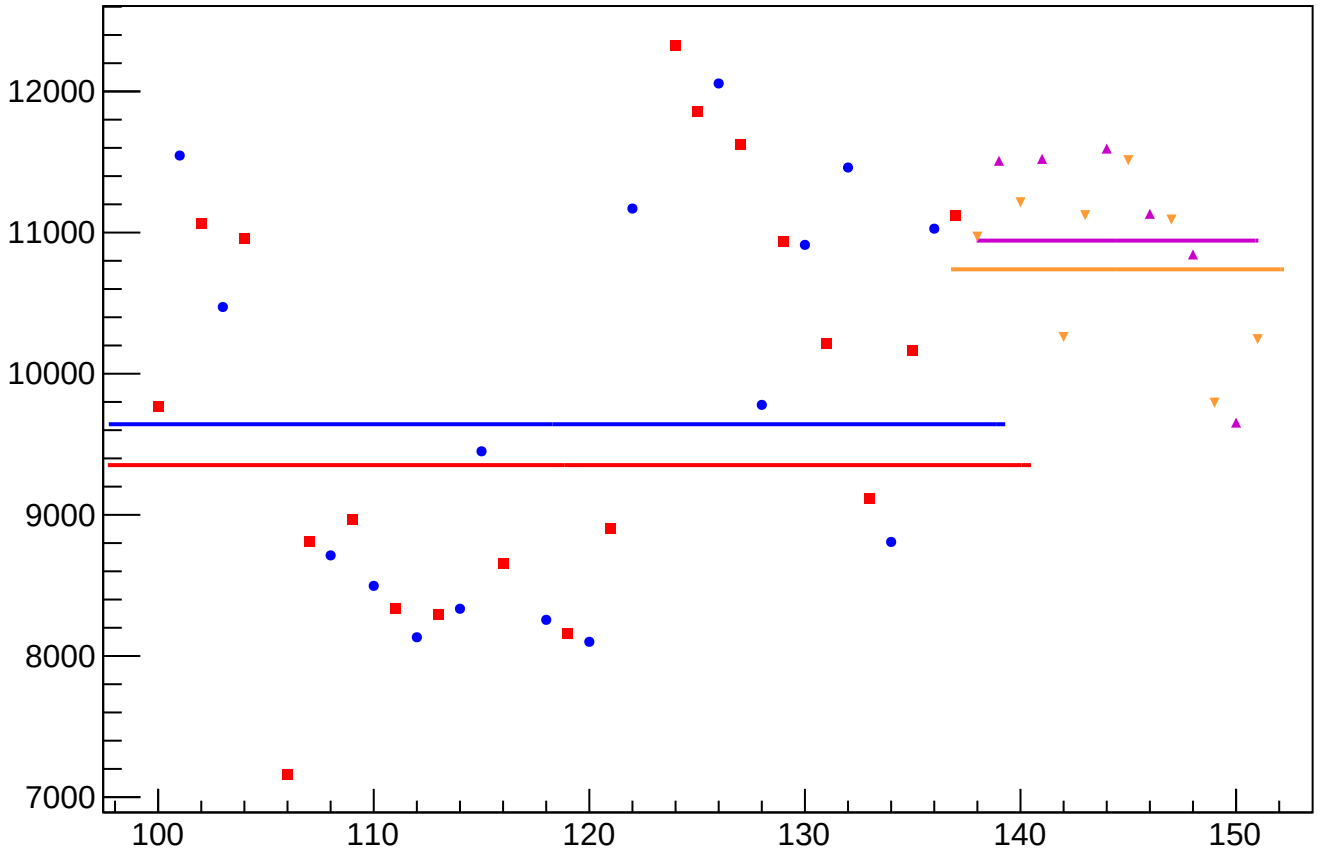
Right Out: -8.658+/-3.454 χ^2/NDF: 30.1/18

Left In: 15.069+/-4.812 χ^2/NDF:9.6/5

+ sign 14.381+/-2.783 χ^2/NDF: 63.8/23

All: 6.956+/-1.976 χ^2/NDF: 133.9/48

- sign -0.591+/-2.806 χ^2/NDF: 55.8/24



Right In: 9642.075+/-2.565 χ^2/NDF: 279657.4/15

Left Out: 10739.633+/-3.068 χ^2/NDF:35710.3/7

Right Out: 9352.503+/-2.442 χ^2/NDF: 301779.3/18

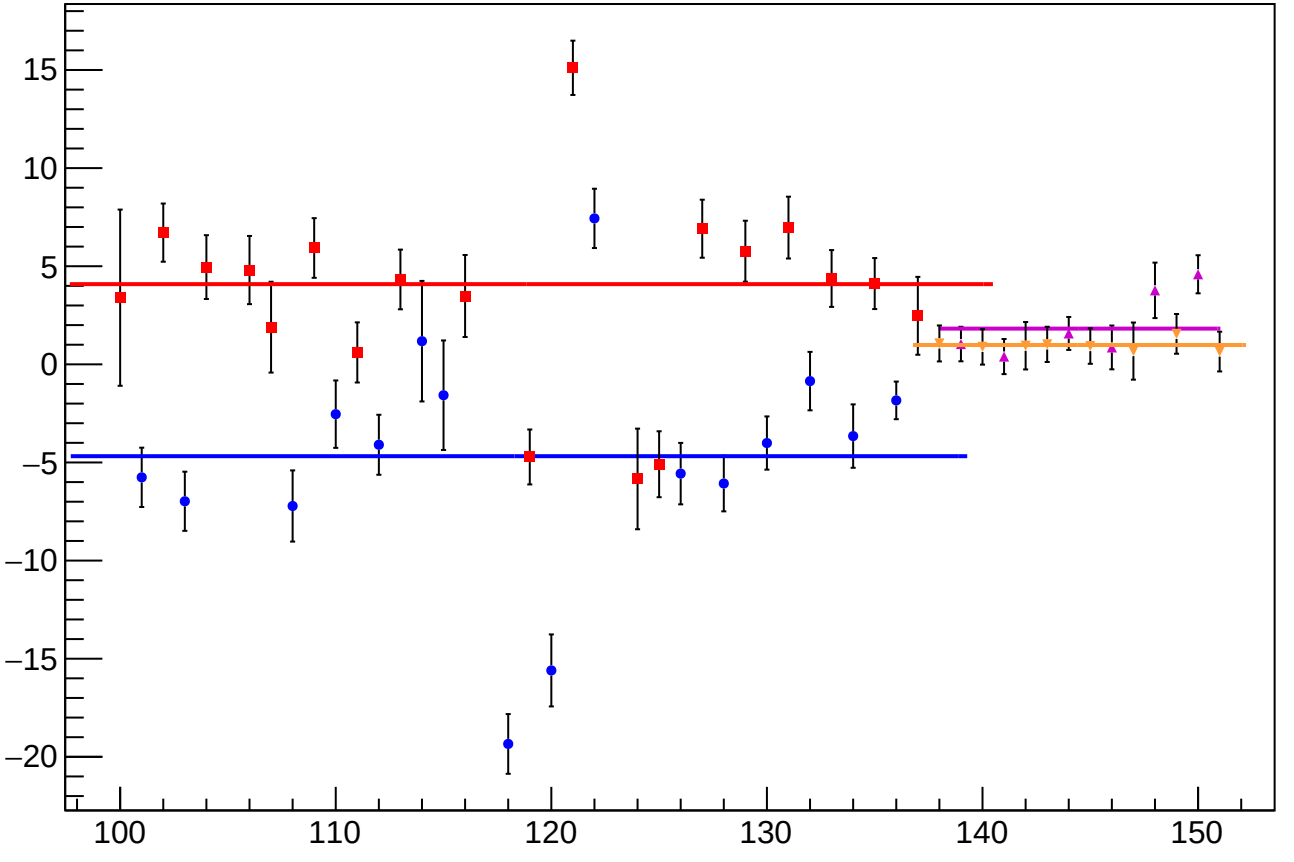
Left In: 10943.080+/-3.402 χ^2/NDF:46560.5/5

+ sign 10093.711+/-1.968 χ^2/NDF: 390689.7/23

All: 9994.332+/-1.397 χ^2/NDF: 888408.1/48

- sign 9893.333+/-1.984 χ^2/NDF: 492576.8/24

diff_bpm0l07Y_mean vs Slug



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 0.986+/-0.354 χ^2/NDF:0.5/7

Right Out: 4.087+/-0.376 χ^2/NDF: 168.1/18

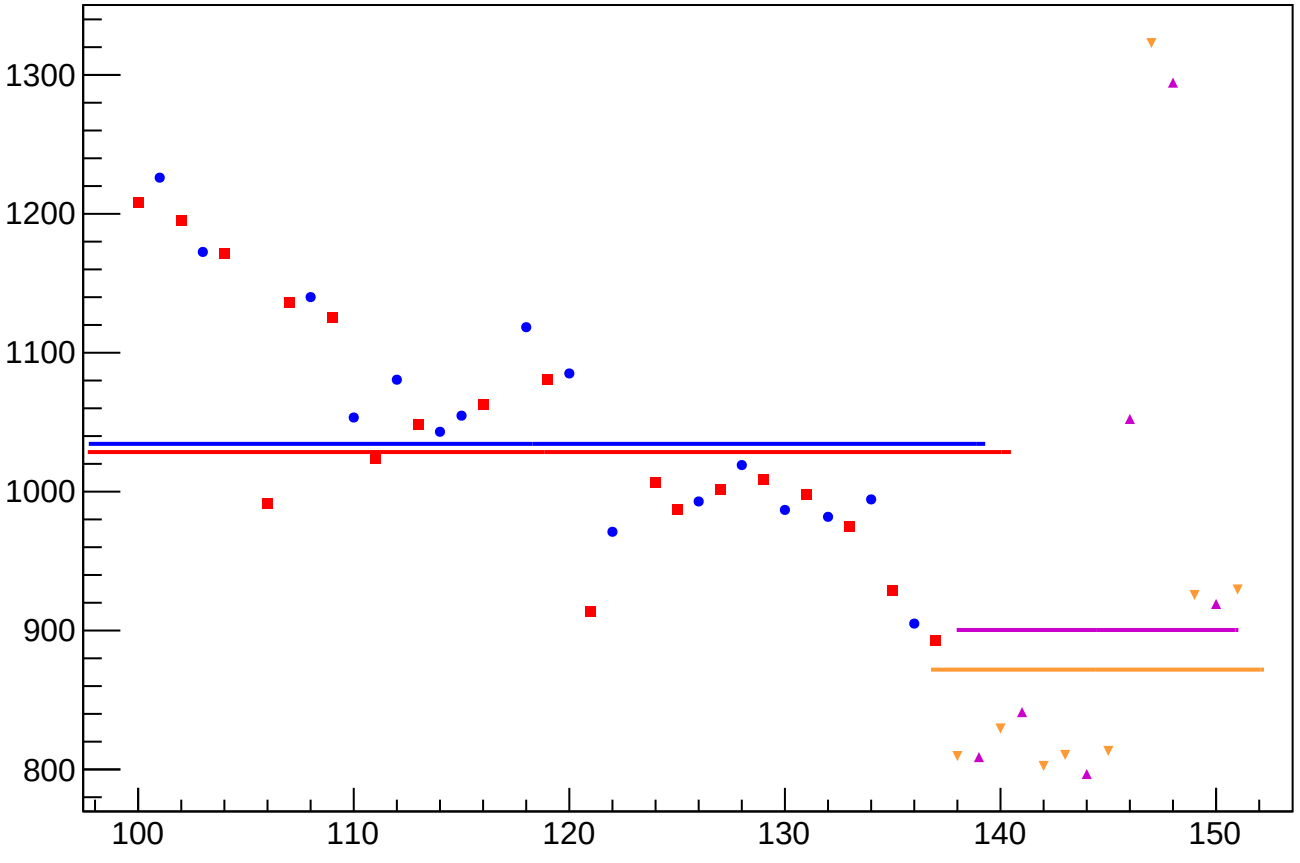
Left In: 1.821+/-0.398 χ^2/NDF:14.2/5

\+ sign -1.602+/-0.261 χ^2/NDF: 338.9/23

All: 0.598+/-0.189 χ^2/NDF: 687.7/48

\- sign 3.016+/-0.273 χ^2/NDF: 199.4/24

diff_bpm0l07Y_rms vs Slug



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 871.855+/-0.250 χ^2/NDF:242234.7/7

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

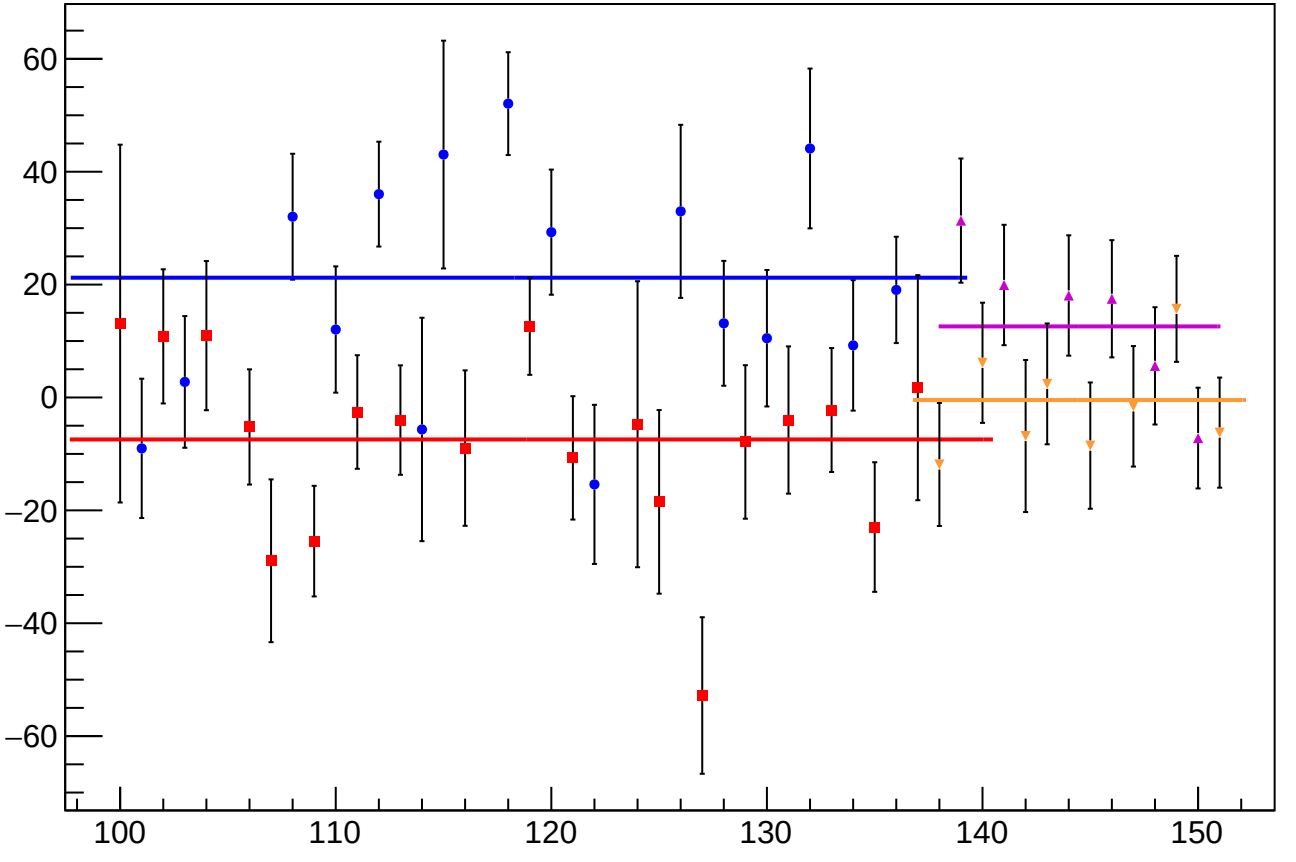
Left In: 900.396+/-0.281 χ^2/NDF:254228.6/5

+ sign 946.098+/-0.184 χ^2/NDF: 548402.4/23

All: 956.507+/-0.133 χ^2/NDF: 1020462.1/48

- sign 967.946+/-0.193 χ^2/NDF: 465368.8/24

diff_bpm0l08X_mean vs Slug



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -0.451+/-3.778 χ^2/NDF:5.6/7

Right Out: -7.435+/-2.810 χ^2/NDF: 29.8/18

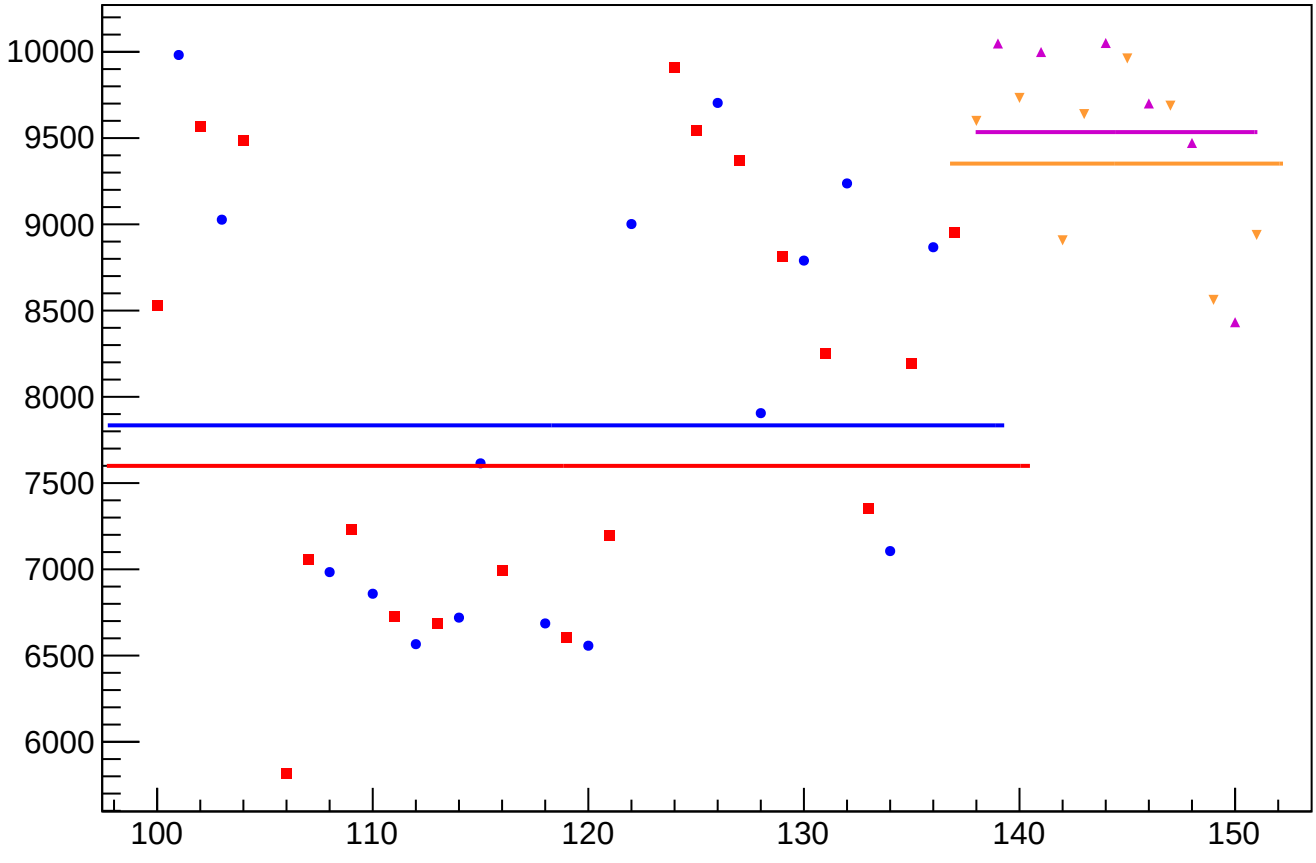
Left In: 12.591+/-4.191 χ^2/NDF:9.2/5

+ sign 13.006+/-2.326 χ^2/NDF: 66.1/23

All: 5.916+/-1.648 χ^2/NDF: 139.6/48

- sign -1.224+/-2.334 χ^2/NDF: 54.8/24

diff_bpm0l08X_rms vs Slug



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 9352.083+/-2.671 χ^2/NDF:32874.7/7

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

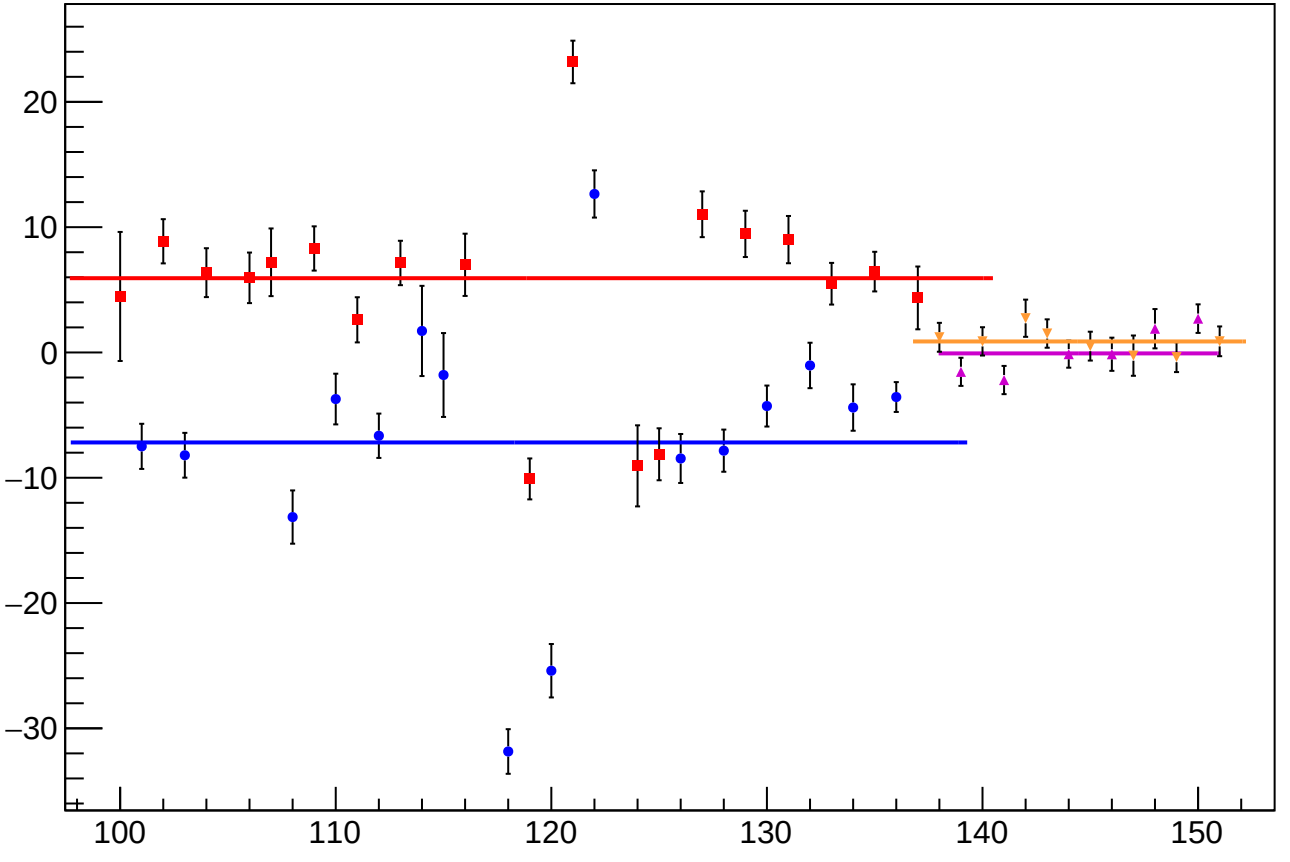
Left In: 9534.681+/-2.964 χ^2/NDF:43922.3/5

+ sign 8409.909+/-1.645 χ^2/NDF: 551348.3/23

All: 8305.281+/-1.165 χ^2/NDF: 1241766.0/48

- sign 8199.912+/-1.650 χ^2/NDF: 682294.8/24

diff_bpm0l08Y_mean vs Slug



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 0.878+/-0.434 χ^2/NDF:3.7/7

Right Out: 5.927+/-0.449 χ^2/NDF: 290.4/18

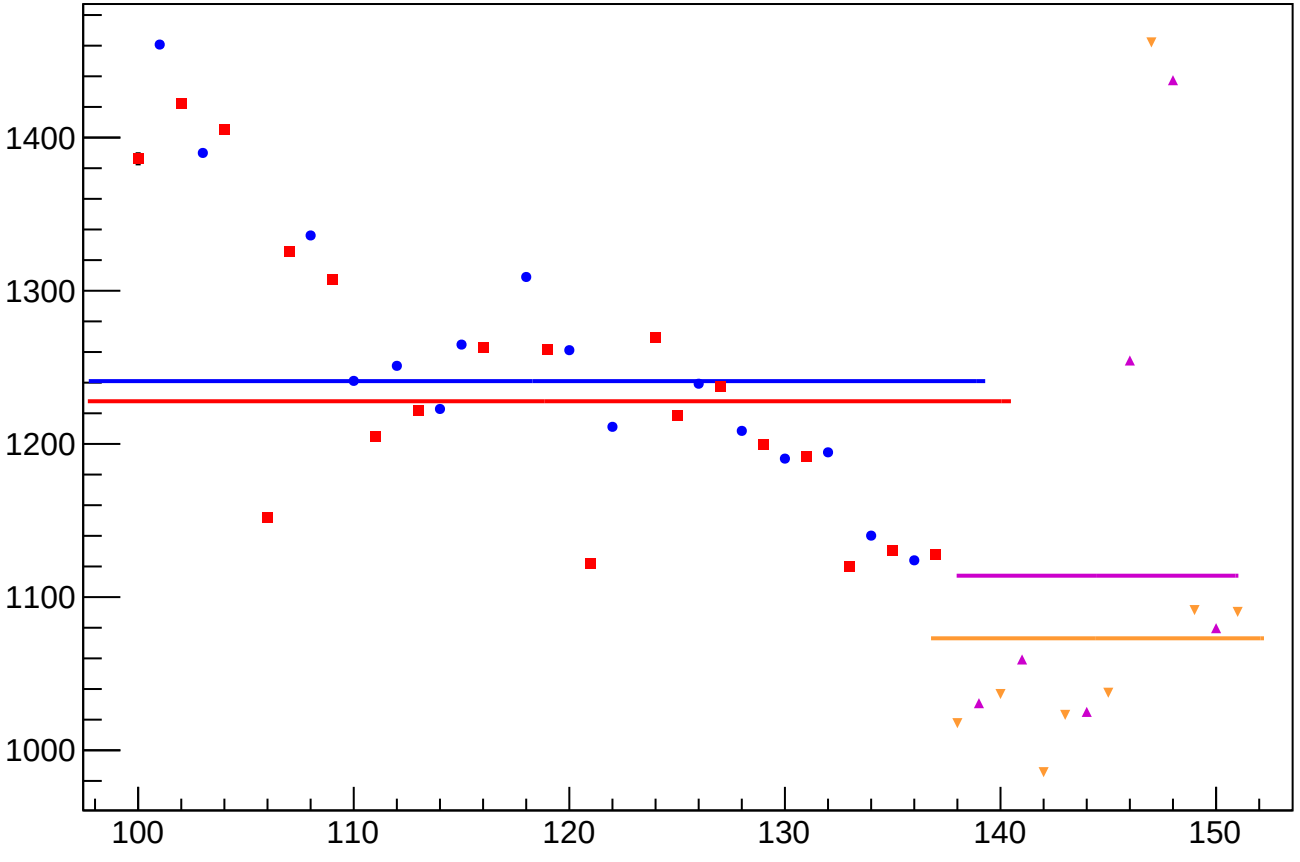
Left In: -0.074+/-0.489 χ^2/NDF:12.8/5

\+ sign -2.894+/-0.316 χ^2/NDF: 587.6/23

All: 0.007+/-0.229 χ^2/NDF: 1148.7/48

\- sign 3.180+/-0.331 χ^2/NDF: 384.9/24

diff_bpm0l08Y_rms vs Slug



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1073.104+/-0.307 χ^2/NDF:137365.6/7

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

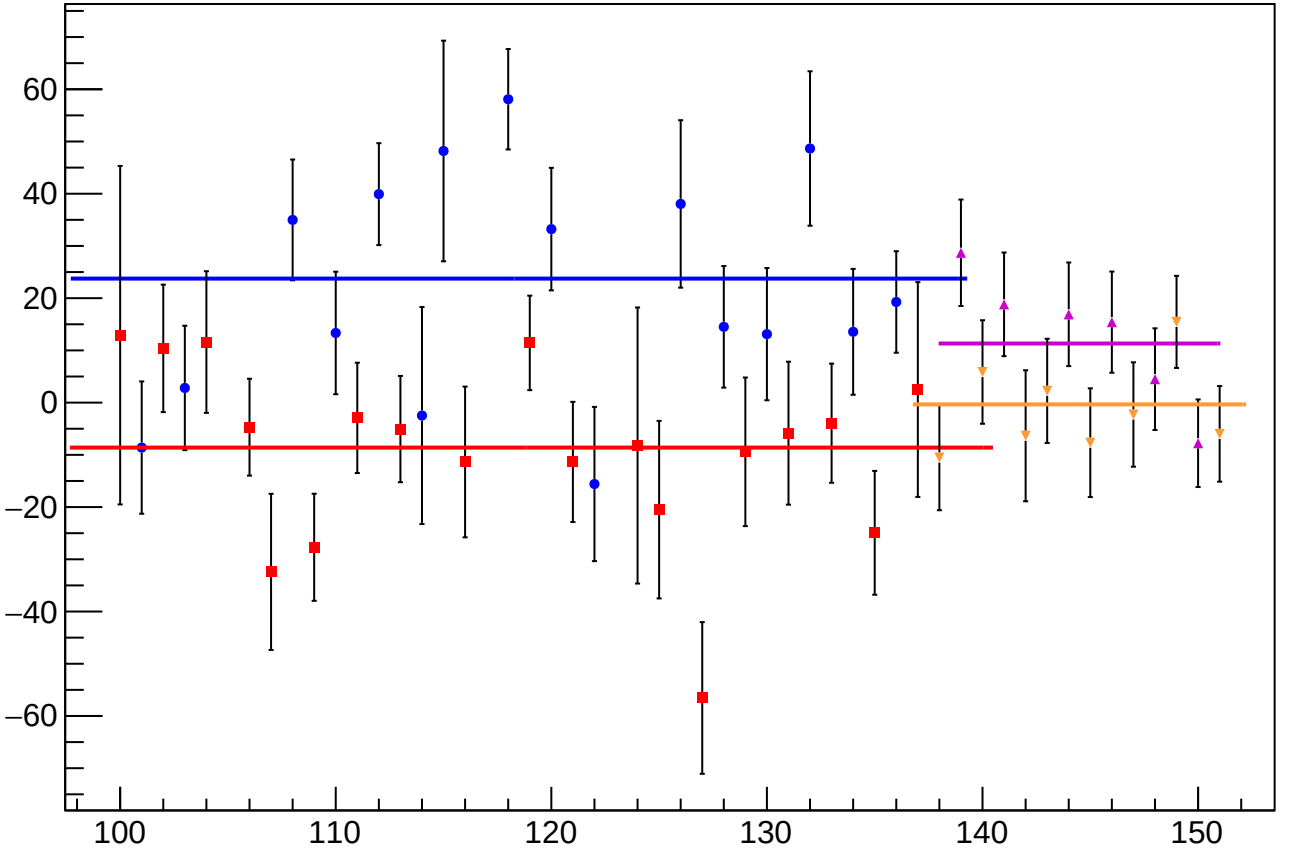
Left In: 1113.977+/-0.346 χ^2/NDF:138607.2/5

\+ sign 1151.670+/-0.224 χ^2/NDF: 358369.1/23

All: 1163.163+/-0.162 χ^2/NDF: 643702.1/48

\- sign 1175.733+/-0.234 χ^2/NDF: 279802.9/24

diff_bpm0l09X_mean vs Slug



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -0.340+/-3.526 χ^2/NDF:5.8/7

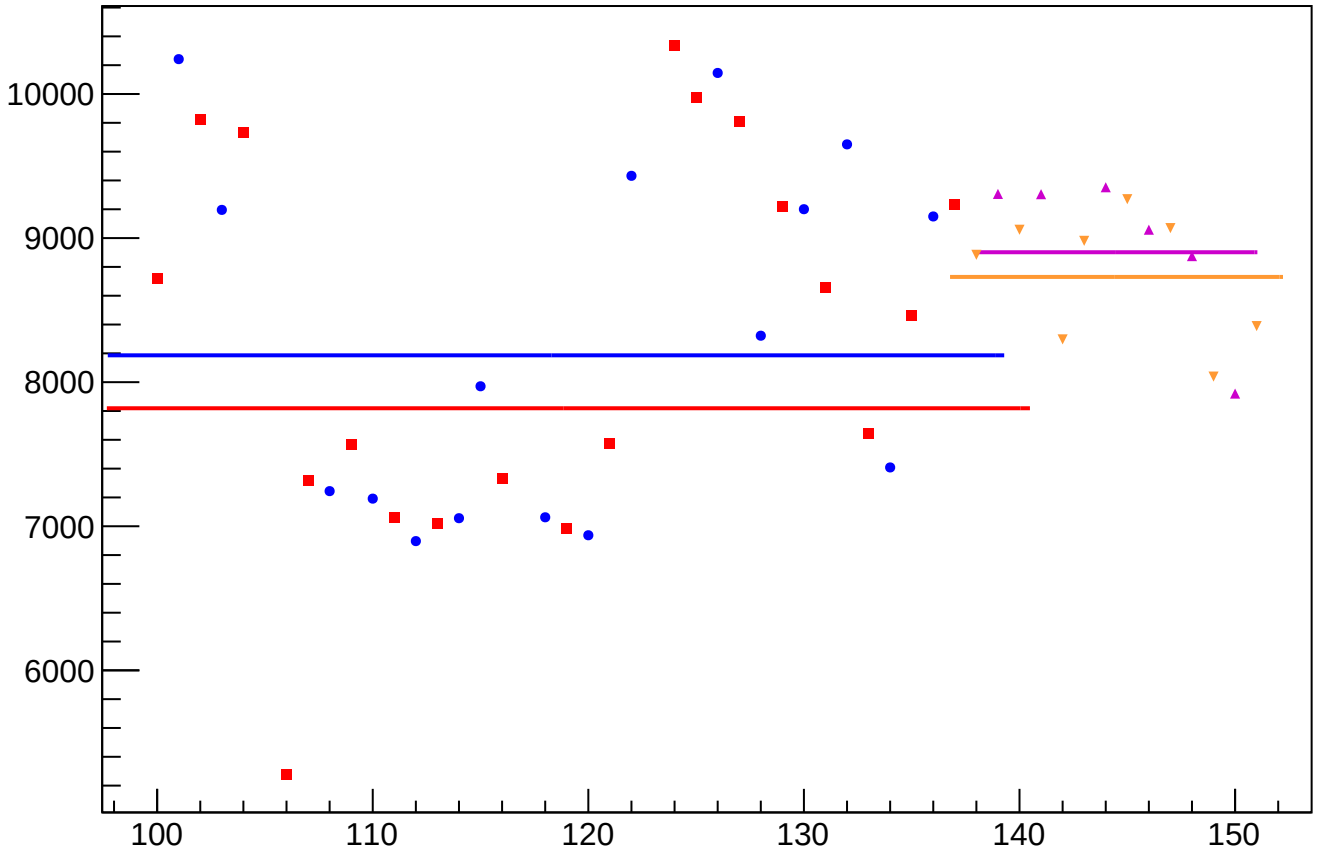
Right Out: -8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: 11.321+/-3.911 χ^2/NDF:9.7/5

+ sign 13.317+/-2.320 χ^2/NDF: 75.7/23

All: 5.916+/-1.644 χ^2/NDF: 153.0/48

- sign -1.542+/-2.329 χ^2/NDF: 56.9/24



Right In: 8186.361+/-2.179 χ^2/NDF: 290628.8/15

Left Out: 8730.480+/-2.493 χ^2/NDF:29057.3/7

Right Out: 7818.965+/-2.050 χ^2/NDF: 422998.1/18

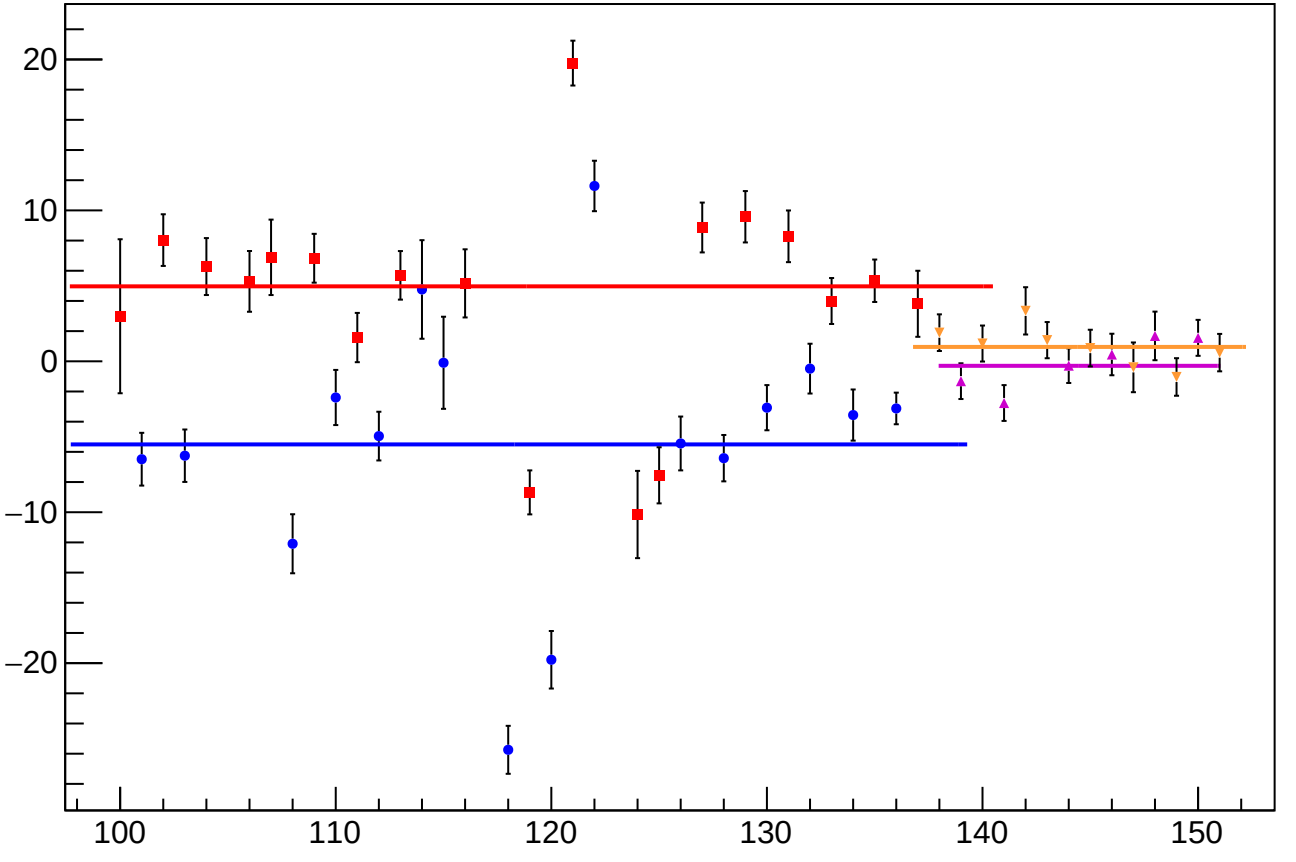
Left In: 8901.790+/-2.766 χ^2/NDF:38506.4/5

+ sign 8422.004+/-1.641 χ^2/NDF: 346693.5/23

All: 8312.879+/-1.162 χ^2/NDF: 916019.9/48

- sign 8202.919+/-1.647 χ^2/NDF: 560443.8/24

diff_bpm0l09Y_mean vs Slug



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 0.953+/-0.455 χ^2/NDF:6.4/7

Right Out: 4.967+/-0.410 χ^2/NDF: 287.3/18

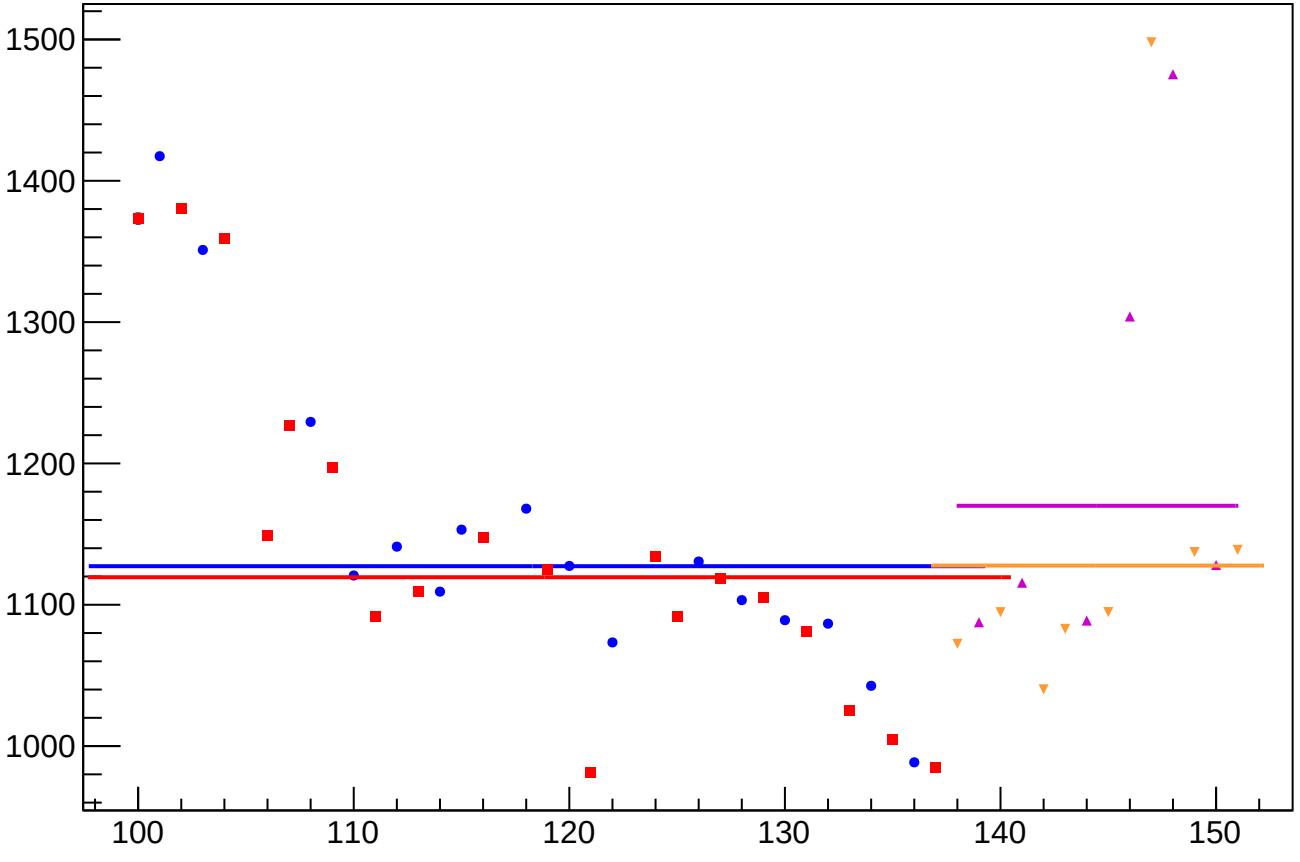
Left In: -0.299+/-0.513 χ^2/NDF:9.3/5

+ sign -2.530+/-0.309 χ^2/NDF: 484.8/23

All: 0.093+/-0.222 χ^2/NDF: 995.1/48

- sign 2.912+/-0.320 χ^2/NDF: 360.9/24

diff_bpm0l09Y_rms vs Slug



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1127.728+/-0.322 χ^2/NDF:117497.4/7

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

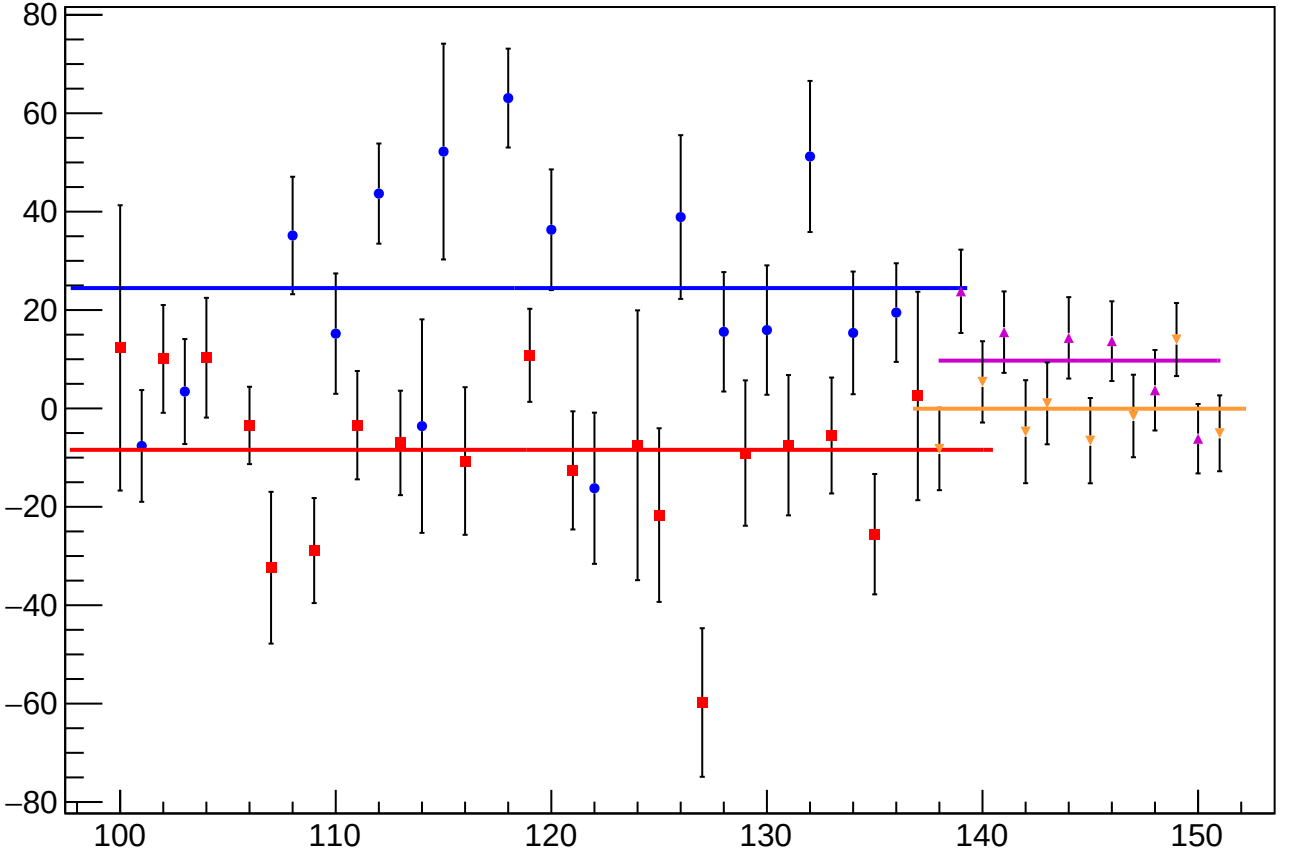
Left In: 1170.036+/-0.363 χ^2/NDF:117309.1/5

+ sign 1127.492+/-0.219 χ^2/NDF: 258114.1/23

All: 1133.138+/-0.157 χ^2/NDF: 529396.4/48

- sign 1139.207+/-0.227 χ^2/NDF: 269897.1/24

diff_bpm0l10X_mean vs Slug



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -0.054+/-2.949 χ^2/NDF:6.2/7

Right Out: -8.413+/-2.891 χ^2/NDF: 31.1/18

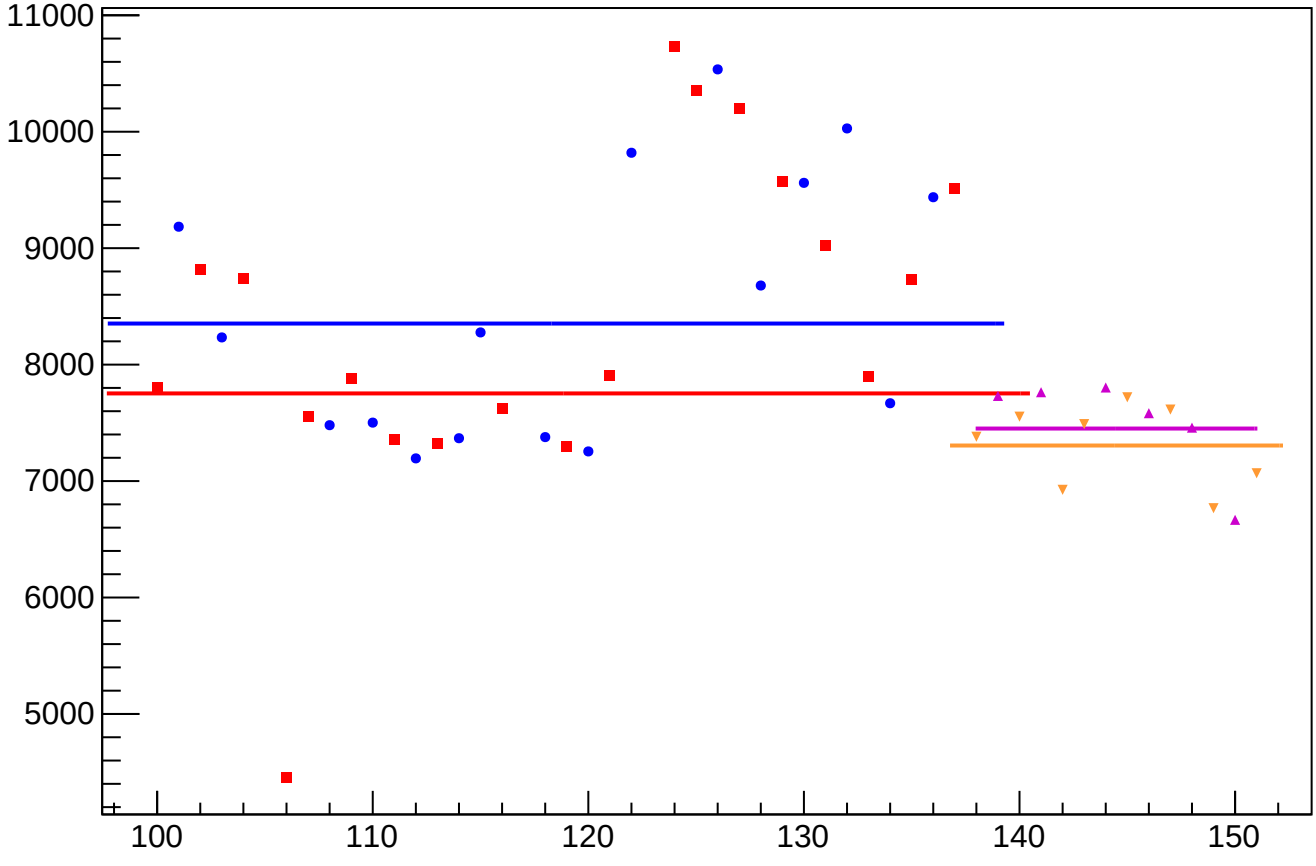
Left In: 9.720+/-3.273 χ^2/NDF:9.4/5

+ sign 11.453+/-2.149 χ^2/NDF: 87.0/23

All: 5.544+/-1.526 χ^2/NDF: 160.0/48

- sign -0.464+/-2.167 χ^2/NDF: 57.8/24

diff_bpm0l10X_rms vs Slug



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 7305.341+/-2.086 χ^2/NDF:25284.2/7

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

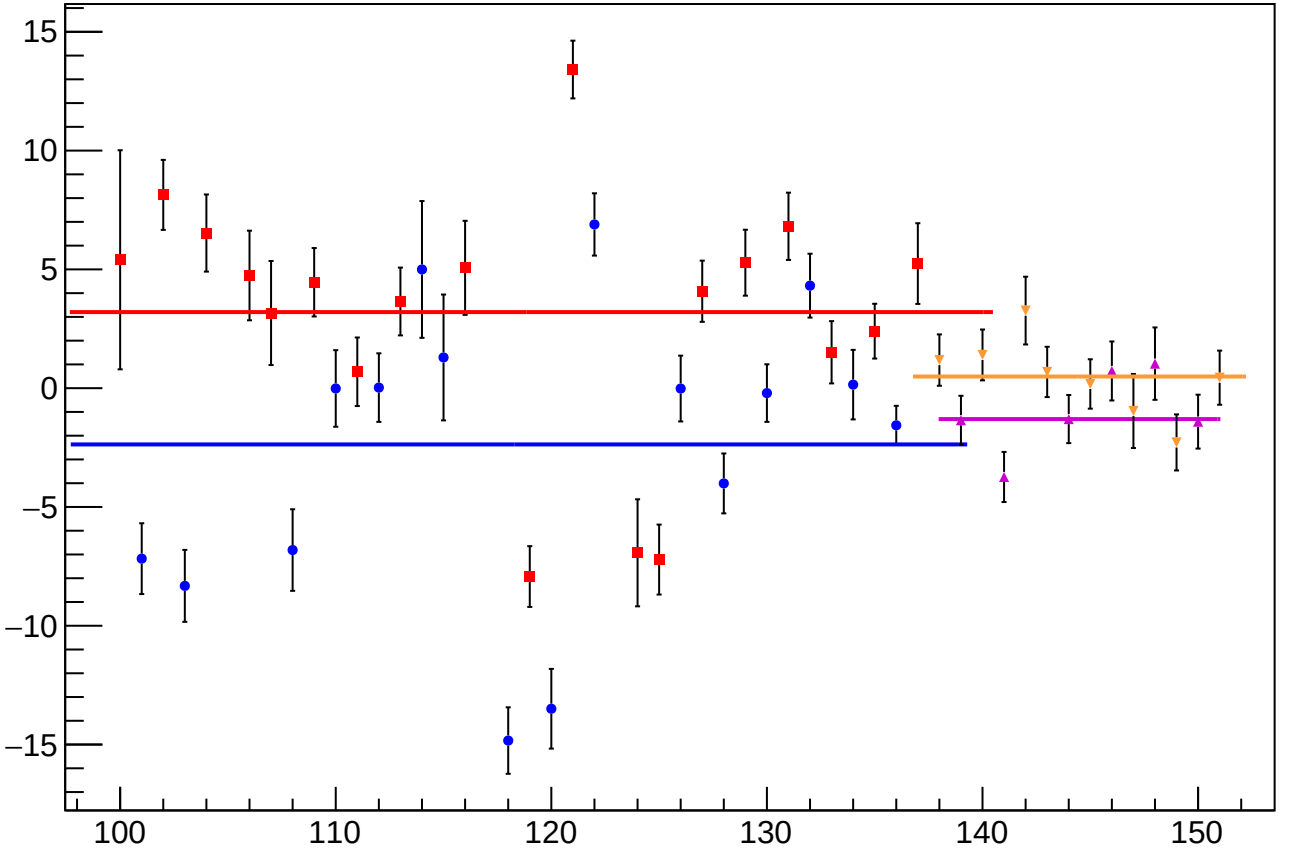
Left In: 7451.040+/-2.314 χ^2/NDF:33862.6/5

+ sign 7796.938+/-1.519 χ^2/NDF: 364080.4/23

All: 7709.438+/-1.079 χ^2/NDF: 1002249.0/48

- sign 7620.459+/-1.532 χ^2/NDF: 631478.2/24

diff_bpm0l10Y_mean vs Slug



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: 0.491+/-0.410 χ^2/NDF:11.4/7

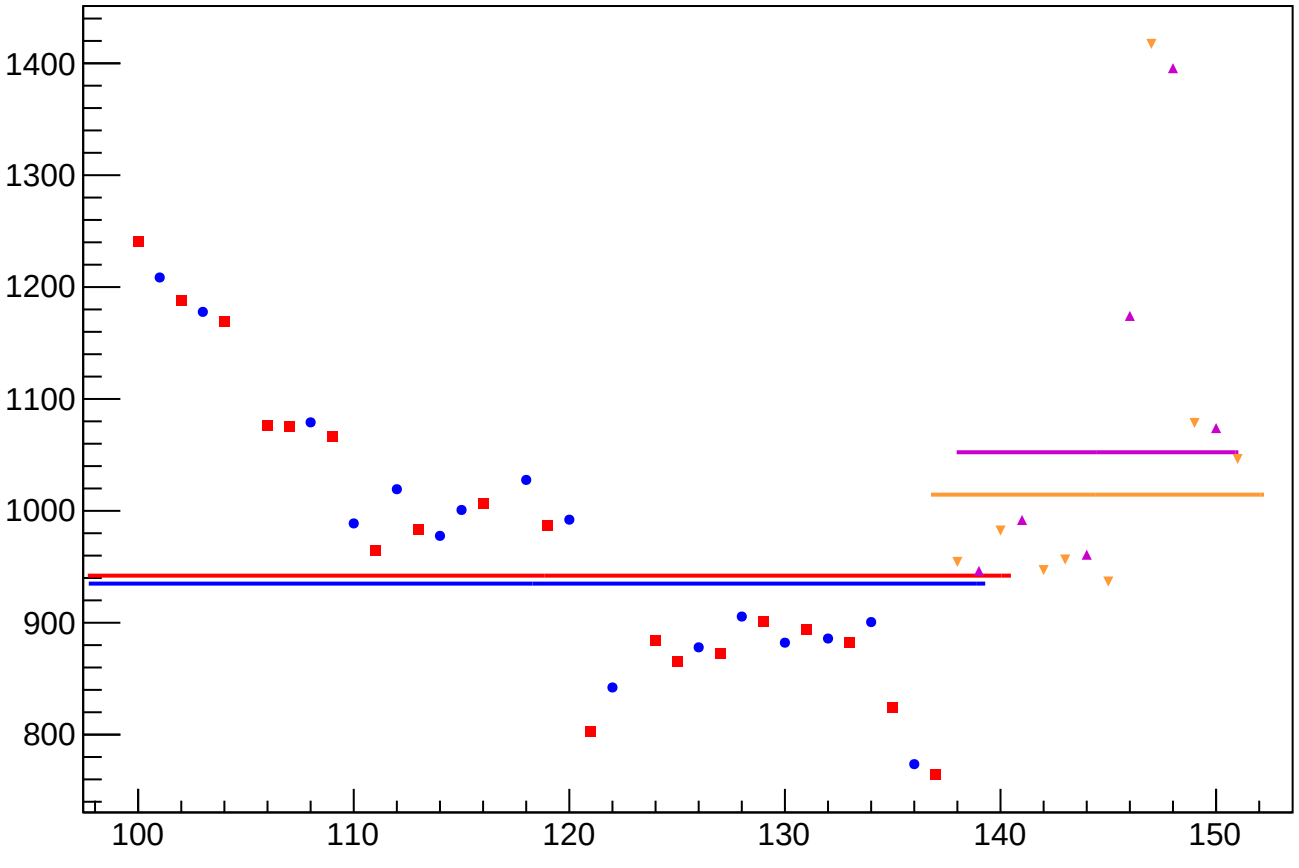
Right Out: 3.203+/-0.346 χ^2/NDF: 250.5/18

Left In: -1.301+/-0.462 χ^2/NDF:10.4/5

+ sign -1.162+/-0.266 χ^2/NDF: 295.1/23

All: 0.157+/-0.192 χ^2/NDF: 667.7/48

- sign 1.584+/-0.277 χ^2/NDF: 321.6/24



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 1014.478+/-0.290 χ^2/NDF:170604.7/7

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

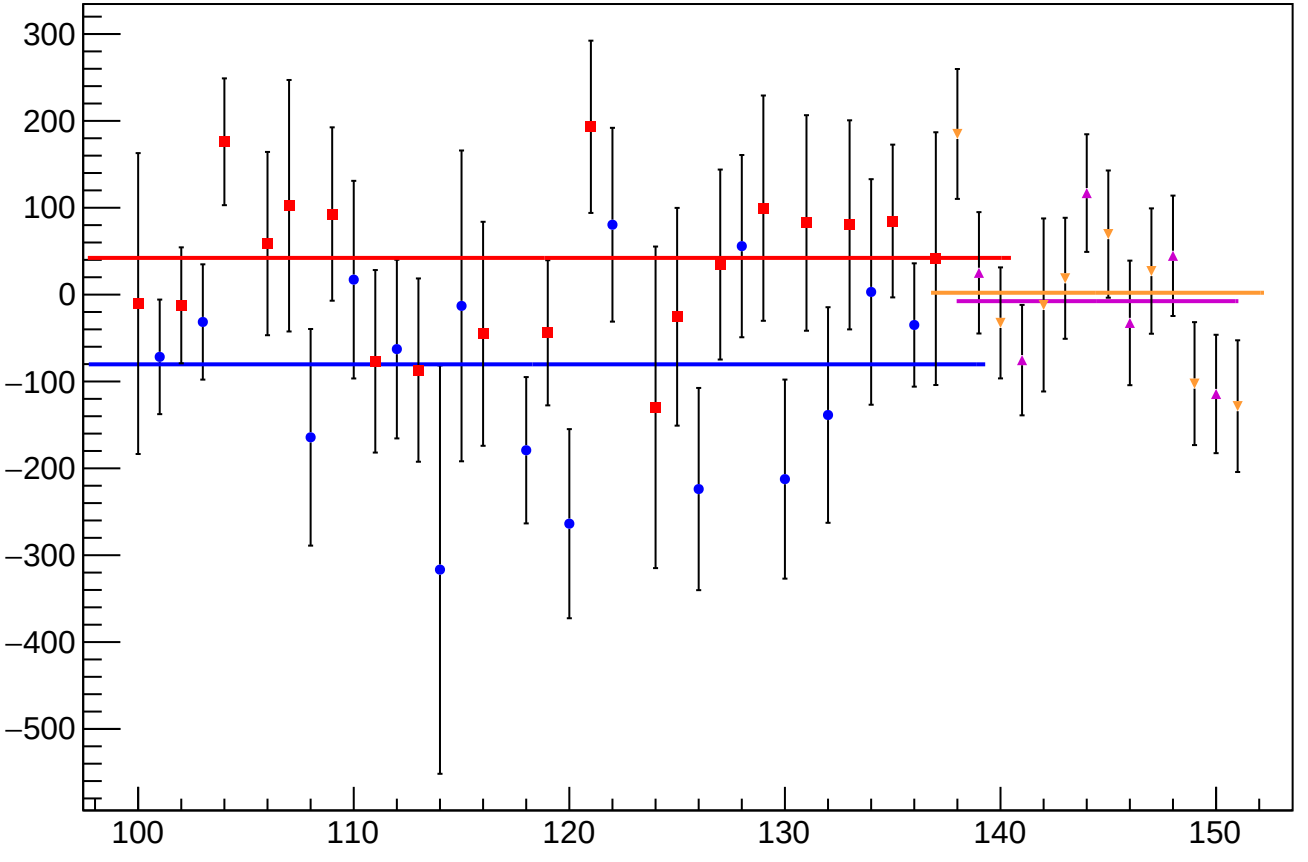
Left In: 1052.370+/-0.327 χ^2/NDF:165715.7/5

+ sign 968.505+/-0.188 χ^2/NDF: 468378.8/23

All: 974.853+/-0.136 χ^2/NDF: 941759.8/48

- sign 981.723+/-0.196 χ^2/NDF: 471018.0/24

diff_bpm0r03X_mean vs Slug



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 2.150+/-25.970 χ^2/NDF:12.5/7

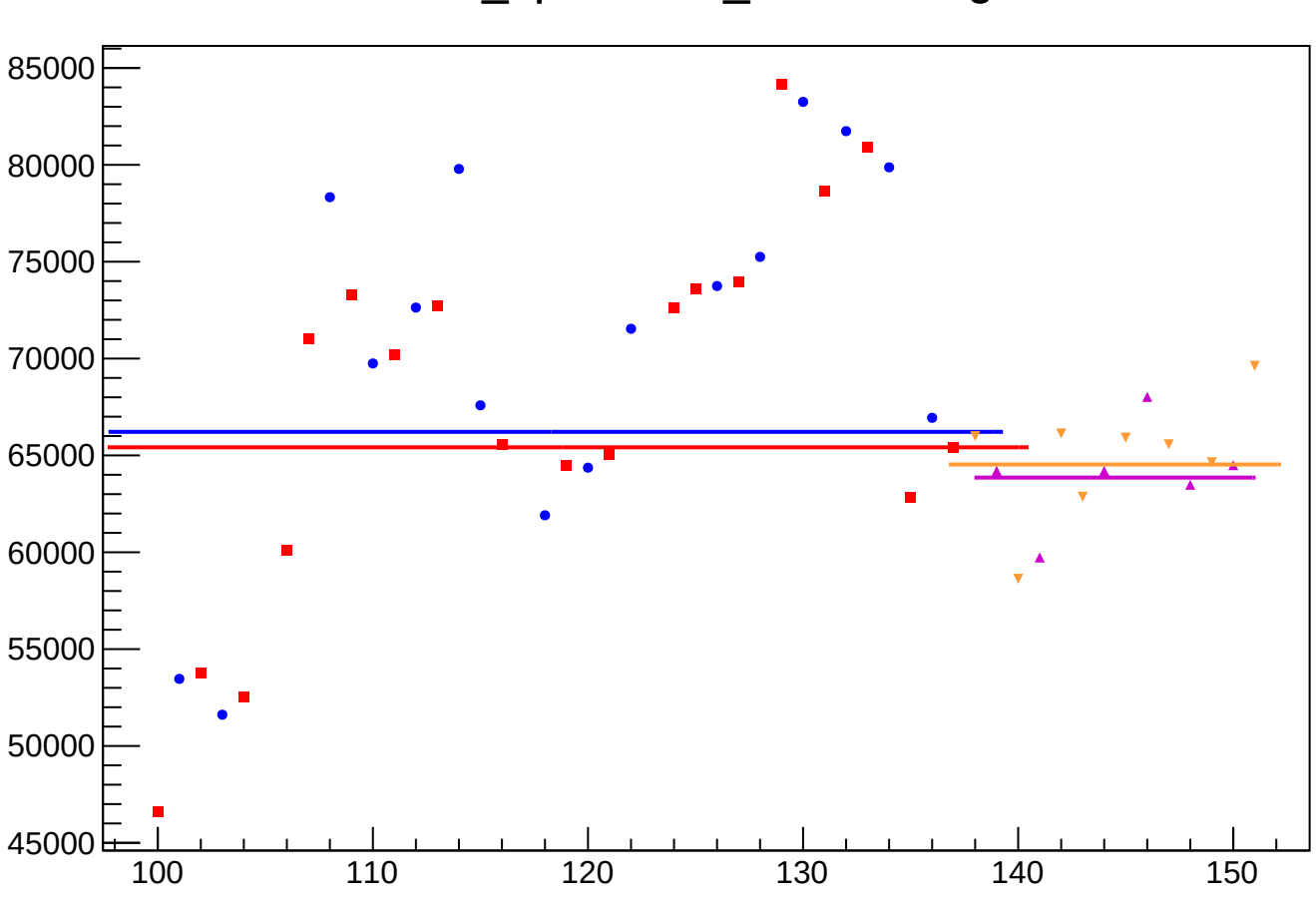
Right Out: 42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: -7.524+/-27.859 χ^2/NDF:7.9/5

+ sign -40.768+/-17.977 χ^2/NDF: 32.5/23

All: -10.388+/-12.806 χ^2/NDF: 61.0/48

- sign 20.908+/-18.246 χ^2/NDF: 22.7/24



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 64531.106+/-18.364 χ^2/NDF:29620.3/7

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

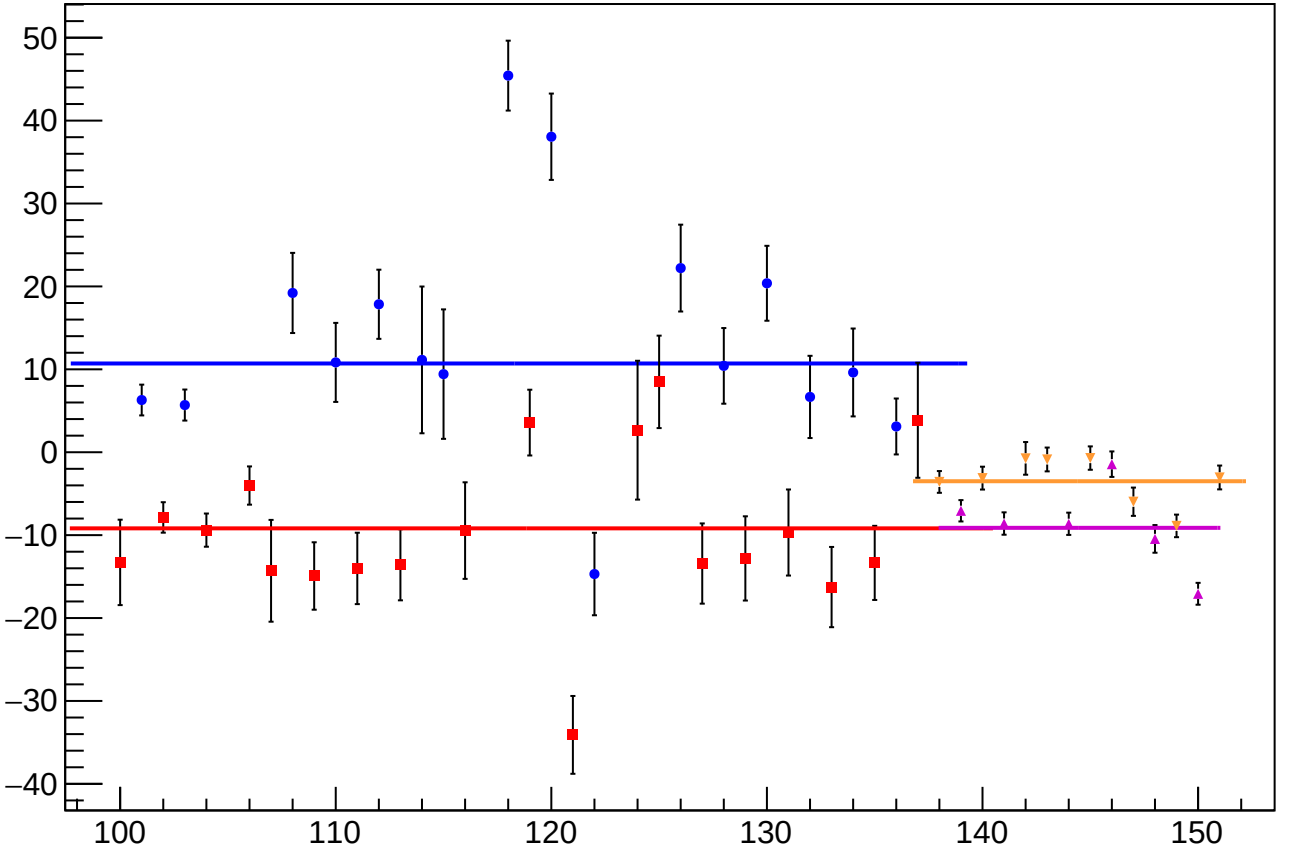
Left In: 63854.427+/-19.699 χ^2/NDF:15501.1/5

+ sign 65408.738+/-12.711 χ^2/NDF: 372383.2/23

All: 65083.095+/-9.055 χ^2/NDF: 697372.6/48

- sign 64747.633+/-12.902 χ^2/NDF: 323657.1/24

diff_bpm0r03Y_mean vs Slug



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -3.498+/-0.519 χ^2/NDF:27.2/7

Right Out: -9.182+/-0.850 χ^2/NDF: 69.6/18

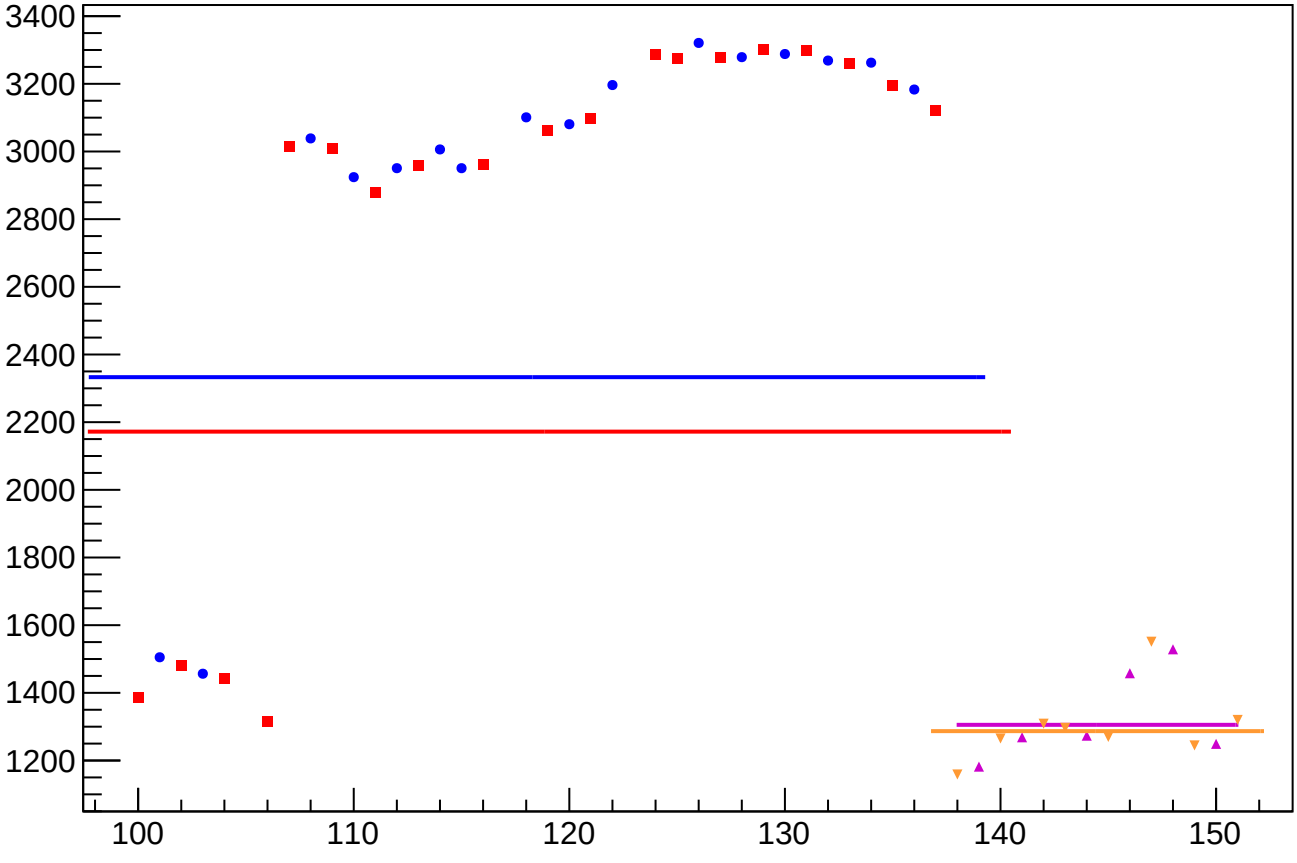
Left In: -9.120+/-0.571 χ^2/NDF:64.8/5

+ sign -0.077+/-0.452 χ^2/NDF: 363.4/23

All: -4.390+/-0.327 χ^2/NDF: 689.3/48

- sign -9.139+/-0.474 χ^2/NDF: 134.4/24

diff_bpm0r03Y_rms vs Slug



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1286.832+/-0.367 χ^2/NDF:71151.1/7

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

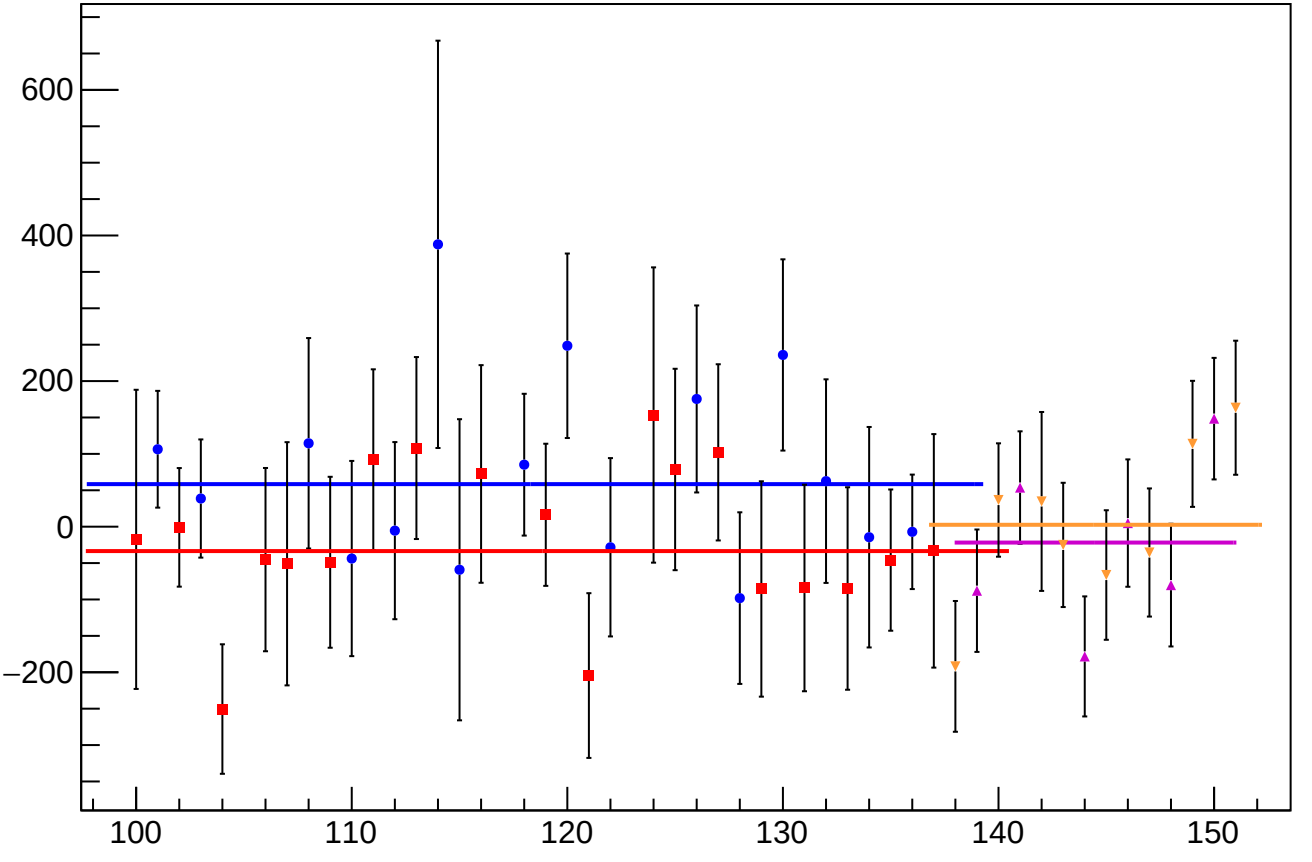
Left In: 1305.465+/-0.404 χ^2/NDF:80182.4/5

+ sign 1538.821+/-0.319 χ^2/NDF: 3683547.7/23

All: 1556.029+/-0.231 χ^2/NDF: 7185822.2/48

- sign 1574.978+/-0.335 χ^2/NDF: 3496178.0/24

diff_bpm0r05X_mean vs Slug



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: 2.598+/-31.637 χ^2/NDF:10.5/7

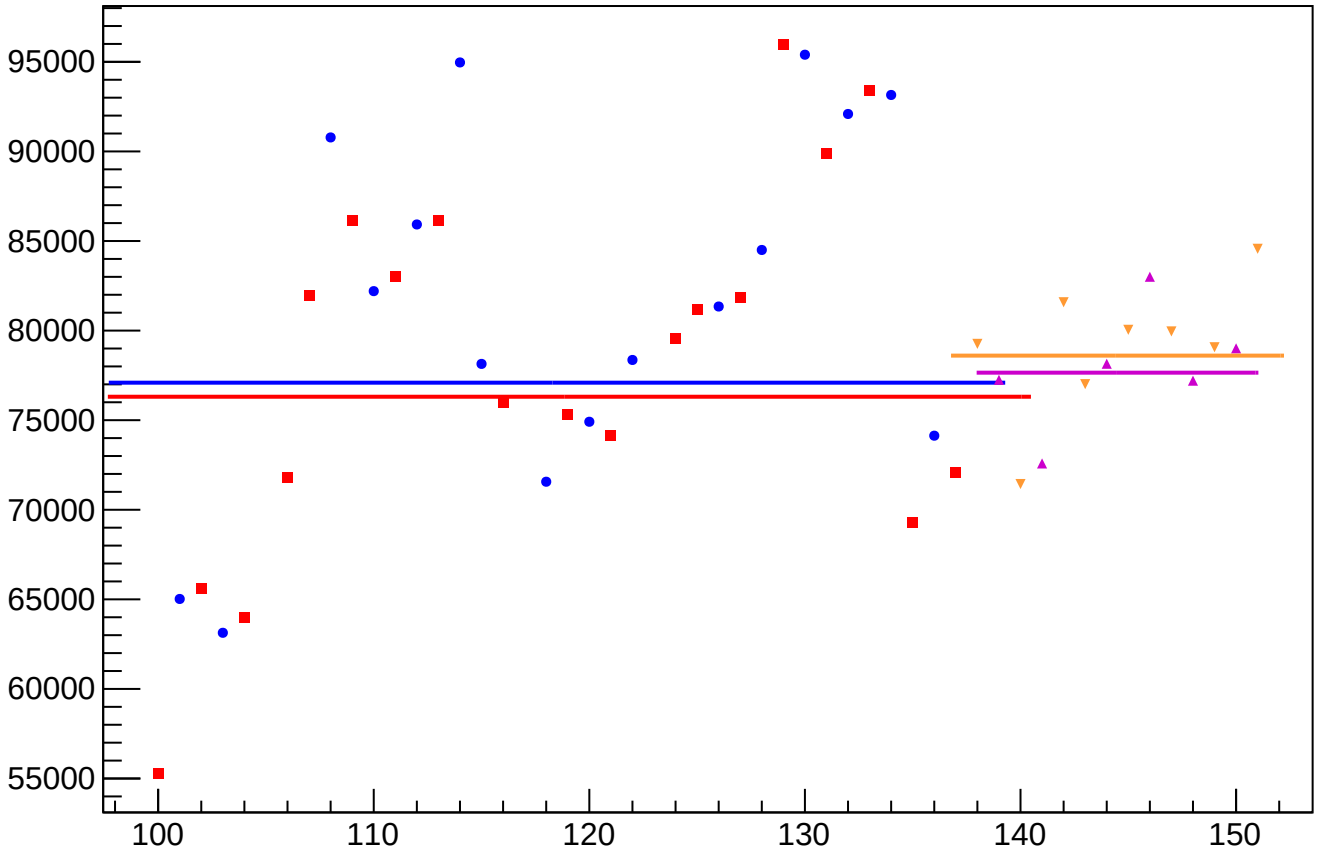
Right Out: -33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: -21.827+/-33.886 χ^2/NDF:9.9/5

+ sign 33.025+/-21.345 χ^2/NDF: 23.5/23

All: 2.549+/-15.194 χ^2/NDF: 52.3/48

- sign -28.755+/-21.633 χ^2/NDF: 24.6/24



Right In: 77093.125+/-20.448 χ^2/NDF: 248542.7/15

Left Out: 78603.659+/-22.371 χ^2/NDF:28356.8/7

Right Out: 76308.708+/-19.874 χ^2/NDF: 234433.2/18

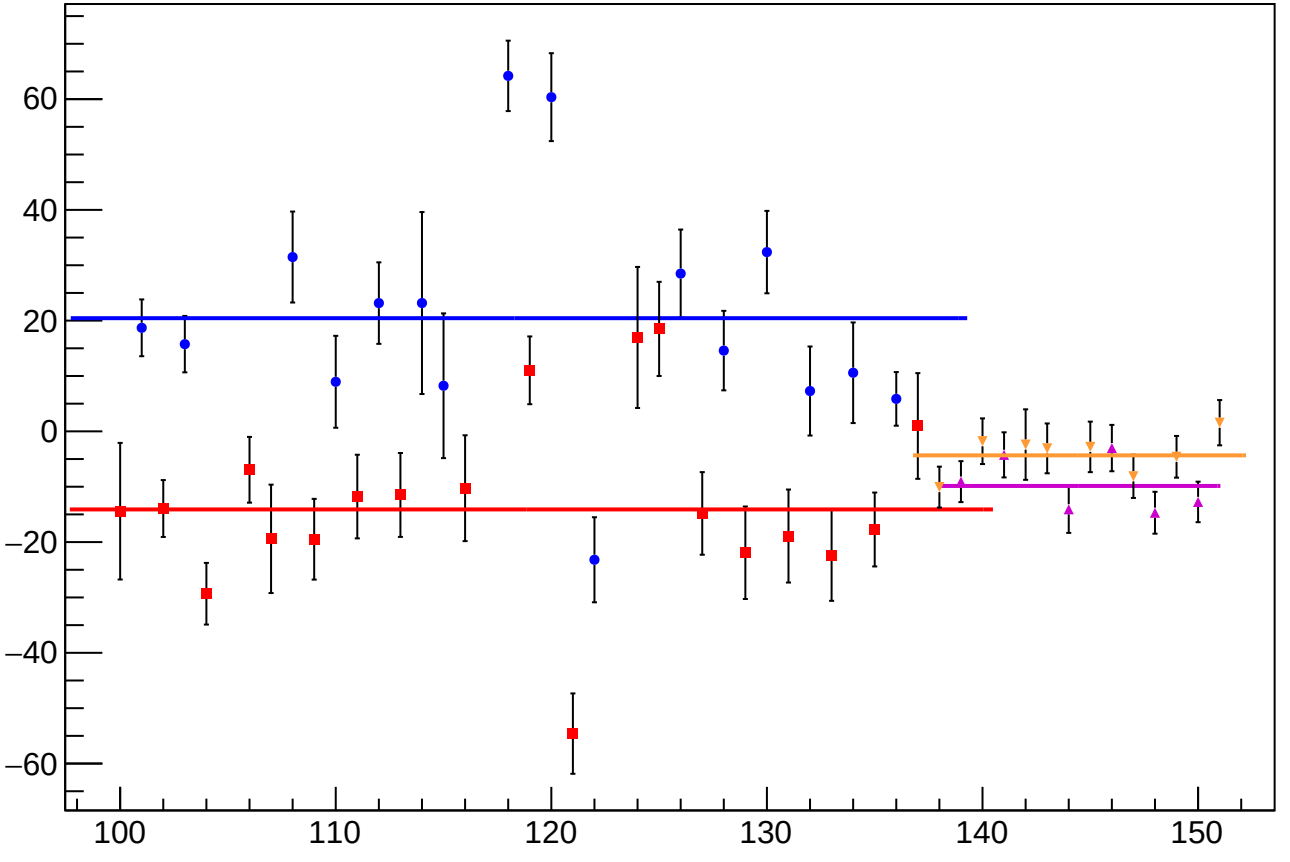
Left In: 77651.684+/-23.961 χ^2/NDF:16791.9/5

+ sign 77780.687+/-15.093 χ^2/NDF: 279383.5/23

All: 77324.571+/-10.744 χ^2/NDF: 534321.1/4

- sign 76856.056+/-15.297 χ^2/NDF: 253086.3/24

diff_bpm0r05Y_mean vs Slug



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -4.335+/-1.490 χ^2/NDF:6.1/7

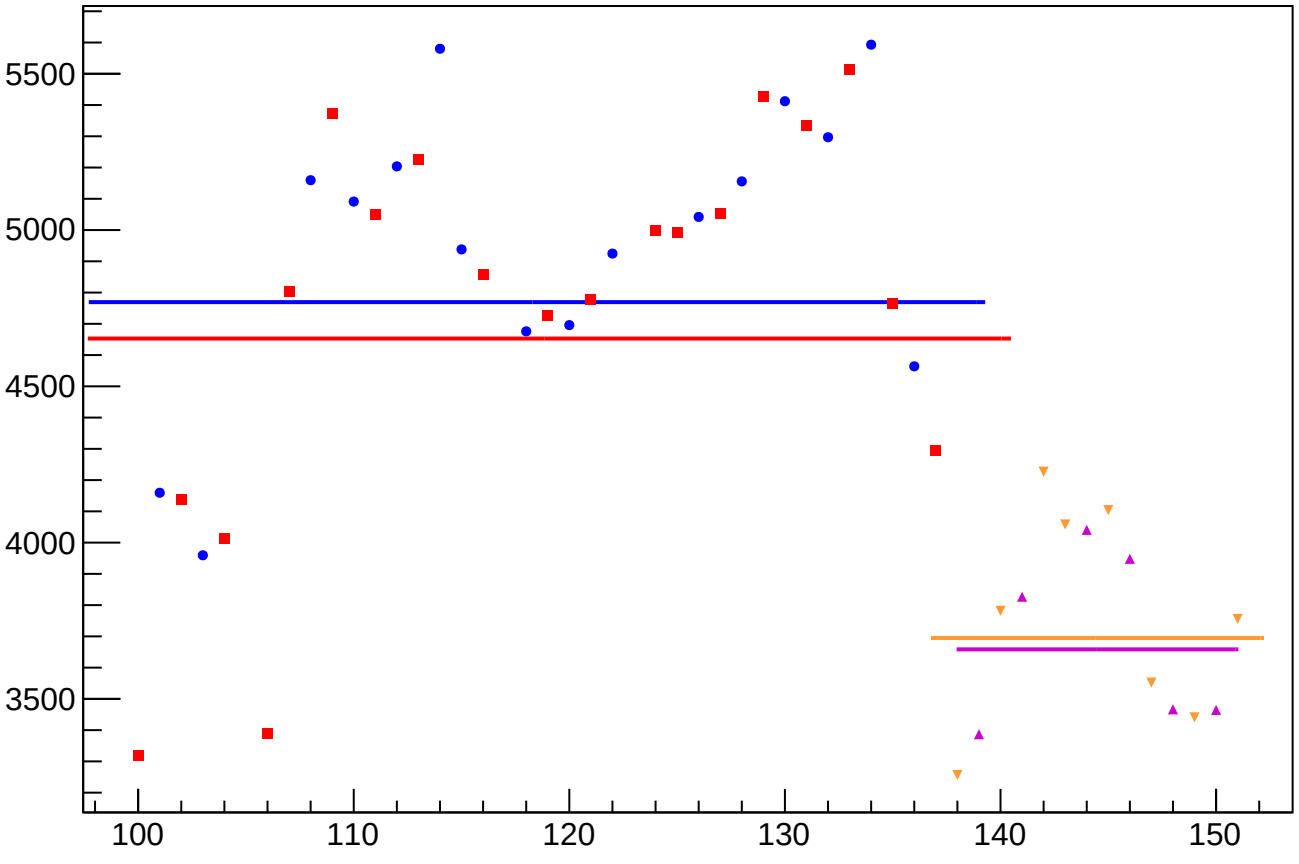
Right Out: -14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: -9.861+/-1.601 χ^2/NDF:7.8/5

+ sign 5.863+/-1.143 χ^2/NDF: 247.7/23

All: -2.783+/-0.818 χ^2/NDF: 459.7/48

- sign -11.838+/-1.170 χ^2/NDF: 94.9/24



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3694.950+/-1.054 χ^2/NDF:84414.6/7

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

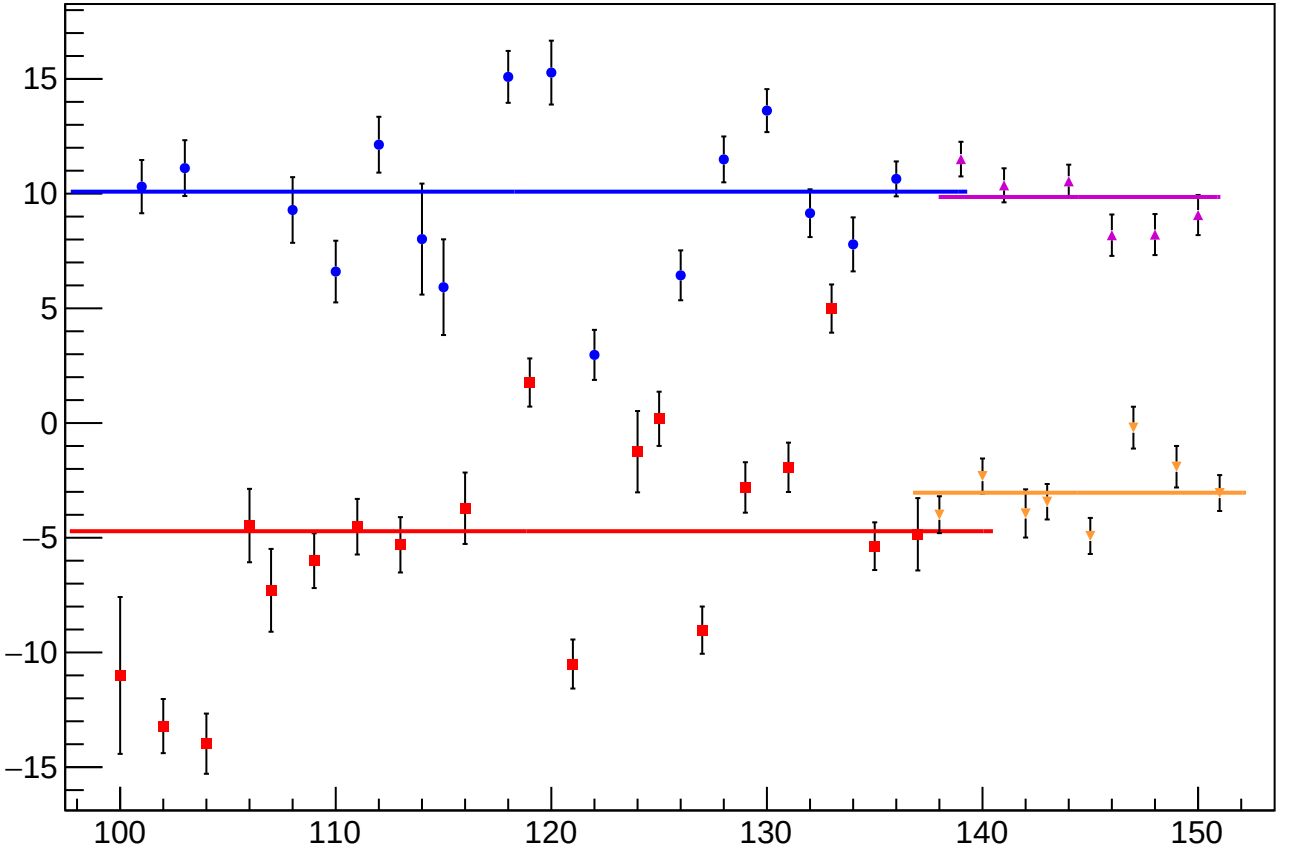
Left In: 3658.469+/-1.132 χ^2/NDF:50622.3/5

+ sign 4137.189+/-0.808 χ^2/NDF: 663906.3/23

All: 4129.800+/-0.578 χ^2/NDF: 1339390.8/48

- sign 4122.062+/-0.827 χ^2/NDF: 675313.5/24

diff_bpm2i01X_mean vs Slug



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -3.037+/-0.295 χ^2/NDF:20.3/7

Right Out: -4.715+/-0.286 χ^2/NDF: 310.2/18

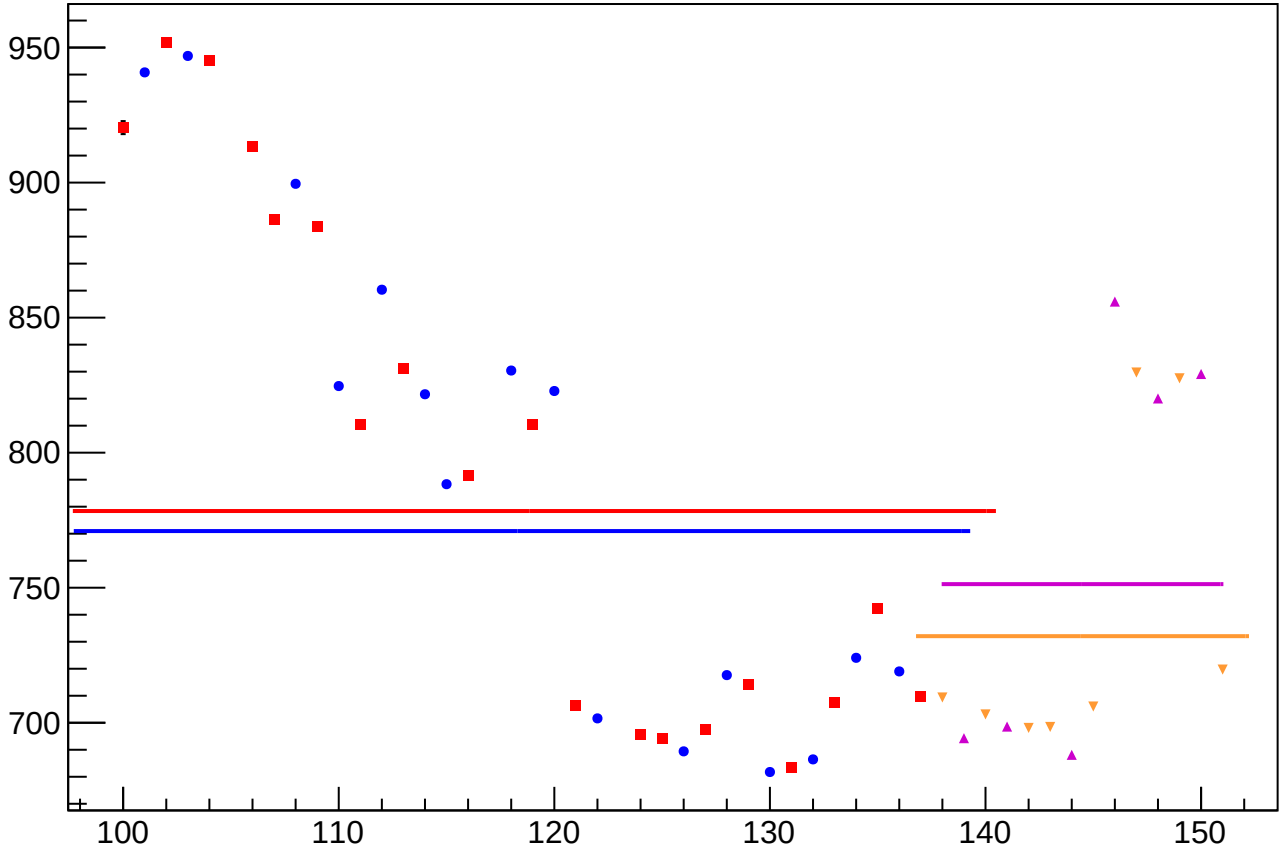
Left In: 9.854+/-0.329 χ^2/NDF:13.7/5

+ sign 3.670+/-0.206 χ^2/NDF: 1156.8/23

All: 2.661+/-0.149 χ^2/NDF: 2649.8/48

- sign 1.556+/-0.216 χ^2/NDF: 1442.8/24

diff_bpm2i01X_rms vs Slug



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 732.057+/-0.208 χ^2/NDF:58177.7/7

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

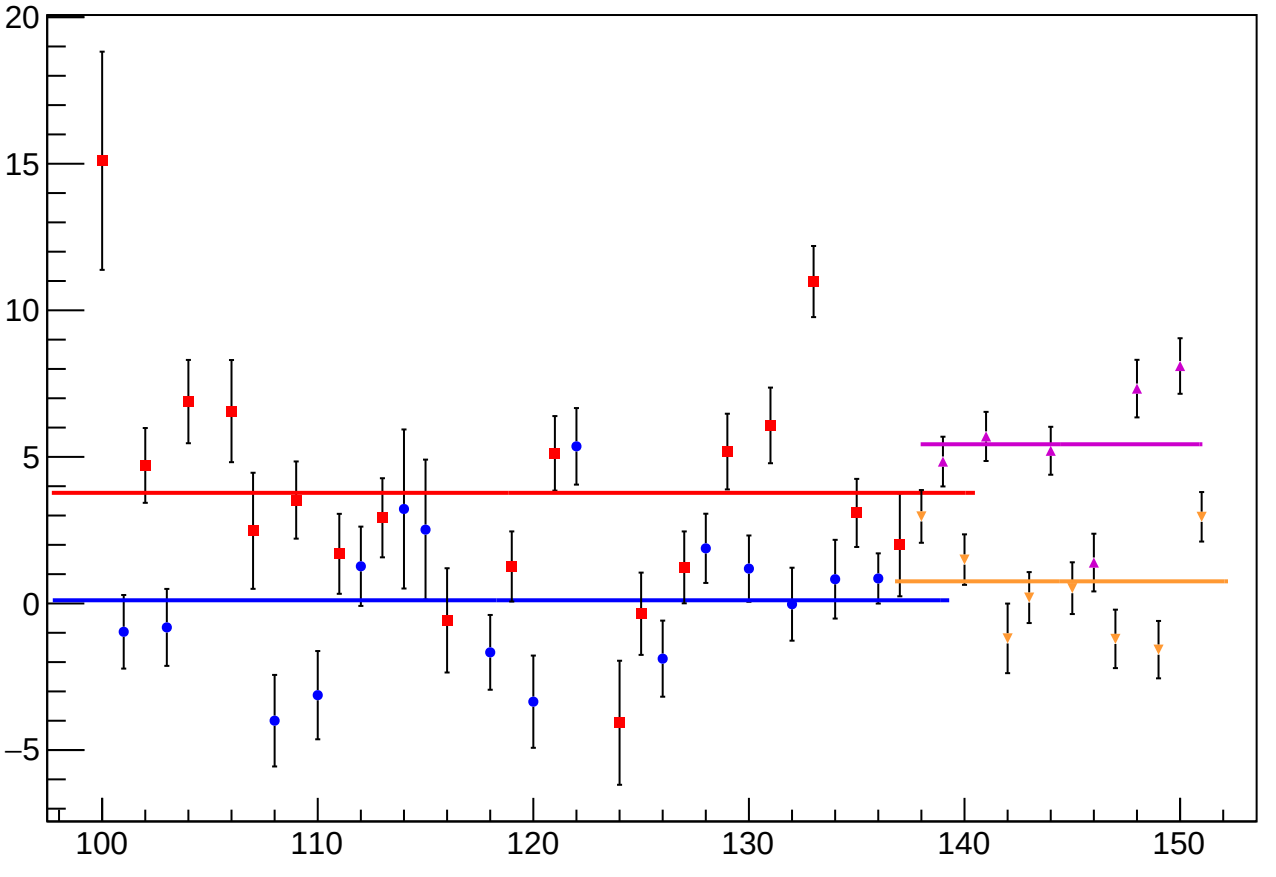
Left In: 751.328+/-0.232 χ^2/NDF:91213.9/5

+ sign 751.947+/-0.146 χ^2/NDF: 268896.8/23

All: 759.012+/-0.105 χ^2/NDF: 569297.1/48

- sign 766.743+/-0.152 χ^2/NDF: 295481.3/24

diff_bpm2i01Y_mean vs Slug



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 0.755+/-0.327 χ^2/NDF:26.3/7

Right Out: 3.774+/-0.326 χ^2/NDF: 99.6/18

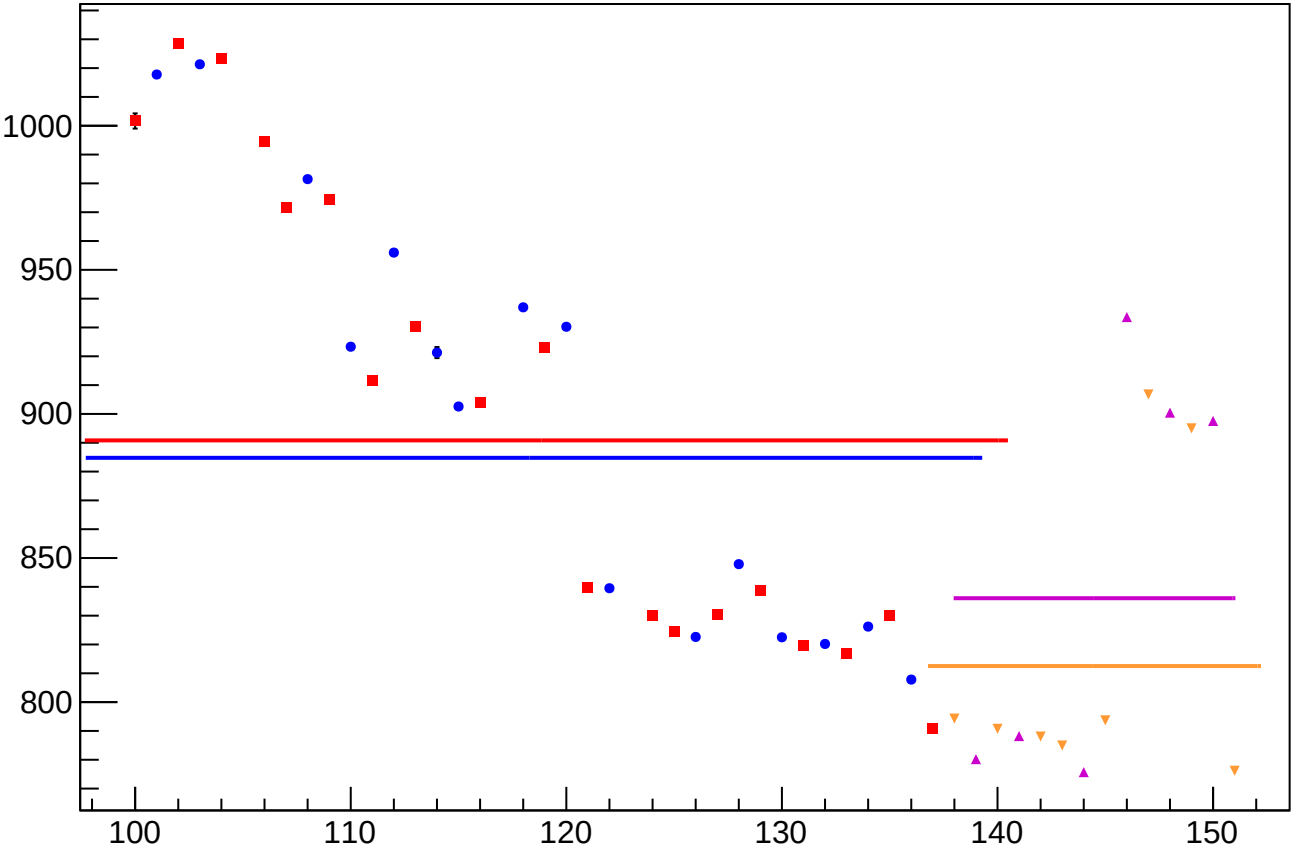
Left In: 5.431+/-0.365 χ^2/NDF:29.2/5

+ sign 0.435+/-0.232 χ^2/NDF: 73.6/23

All: 2.378+/-0.168 χ^2/NDF: 360.5/48

- sign 4.509+/-0.243 χ^2/NDF: 140.2/24

diff_bpm2i01Y_rms vs Slug



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 812.512+/-0.231 χ^2/NDF:41646.4/7

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

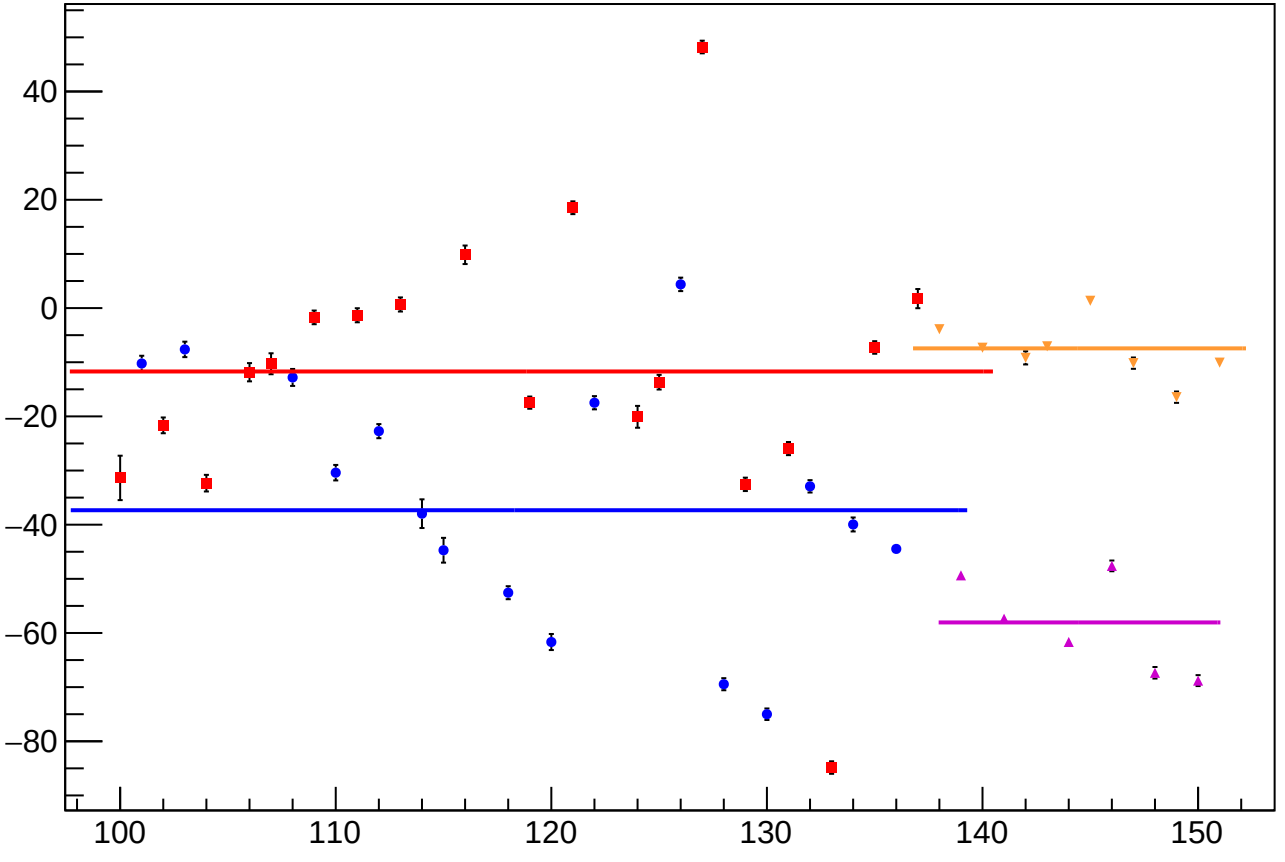
Left In: 836.057+/-0.258 χ^2/NDF:62777.1/5

+ sign 848.322+/-0.164 χ^2/NDF: 194544.1/23

All: 857.006+/-0.119 χ^2/NDF: 395962.6/48

- sign 866.533+/-0.172 χ^2/NDF: 195554.1/24

diff_bpm2i02X_mean vs Slug



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -7.440+/-0.334 χ^2/NDF:202.1/7

Right Out: -11.706+/-0.318 χ^2/NDF: 8463.6/18

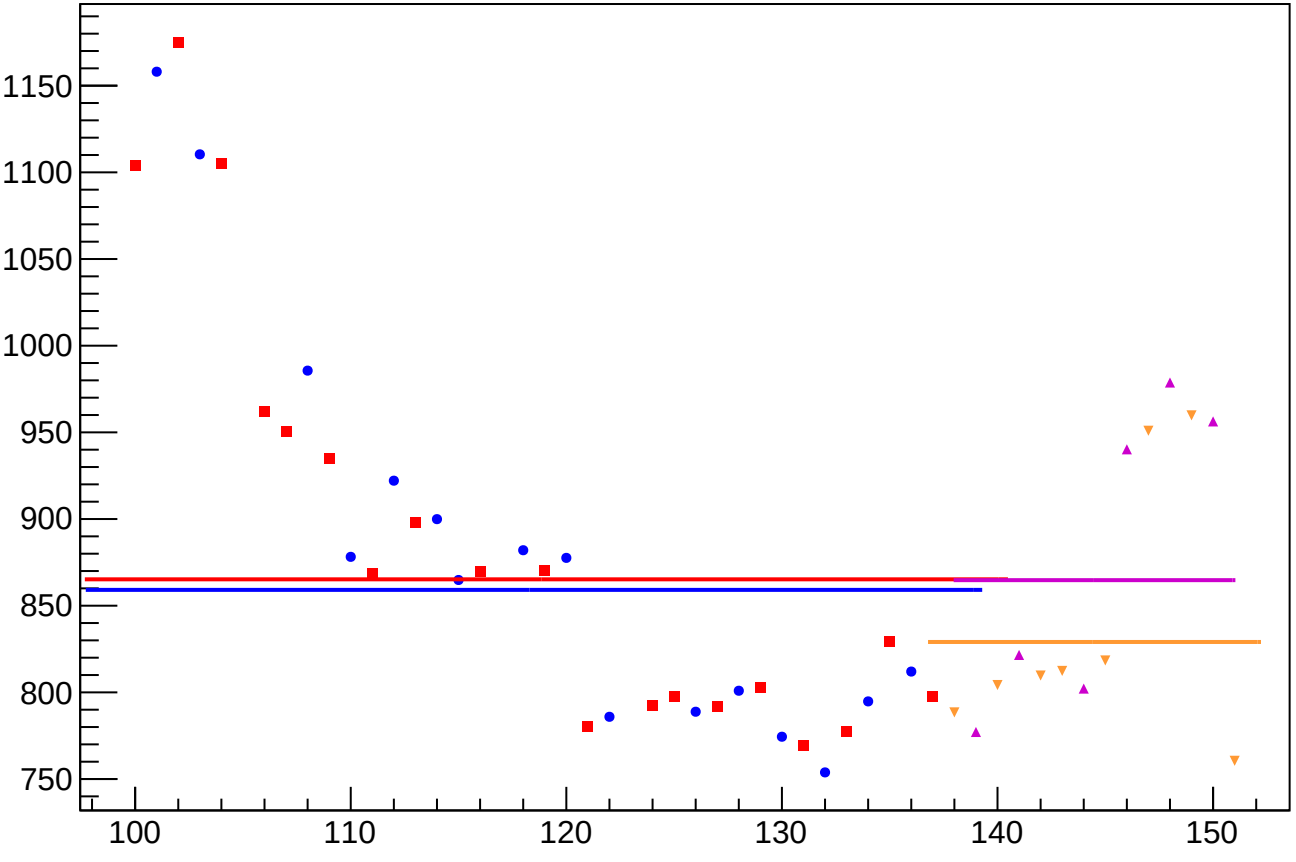
Left In: -58.052+/-0.378 χ^2/NDF:425.0/5

+ sign -22.947+/-0.232 χ^2/NDF: 9539.9/23

All: -26.726+/-0.168 χ^2/NDF: 27785.8/48

- sign -30.893+/-0.243 χ^2/NDF: 17686.8/24

diff_bpm2i02X_rms vs Slug



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 829.074+/-0.236 χ^2/NDF:79127.4/7

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

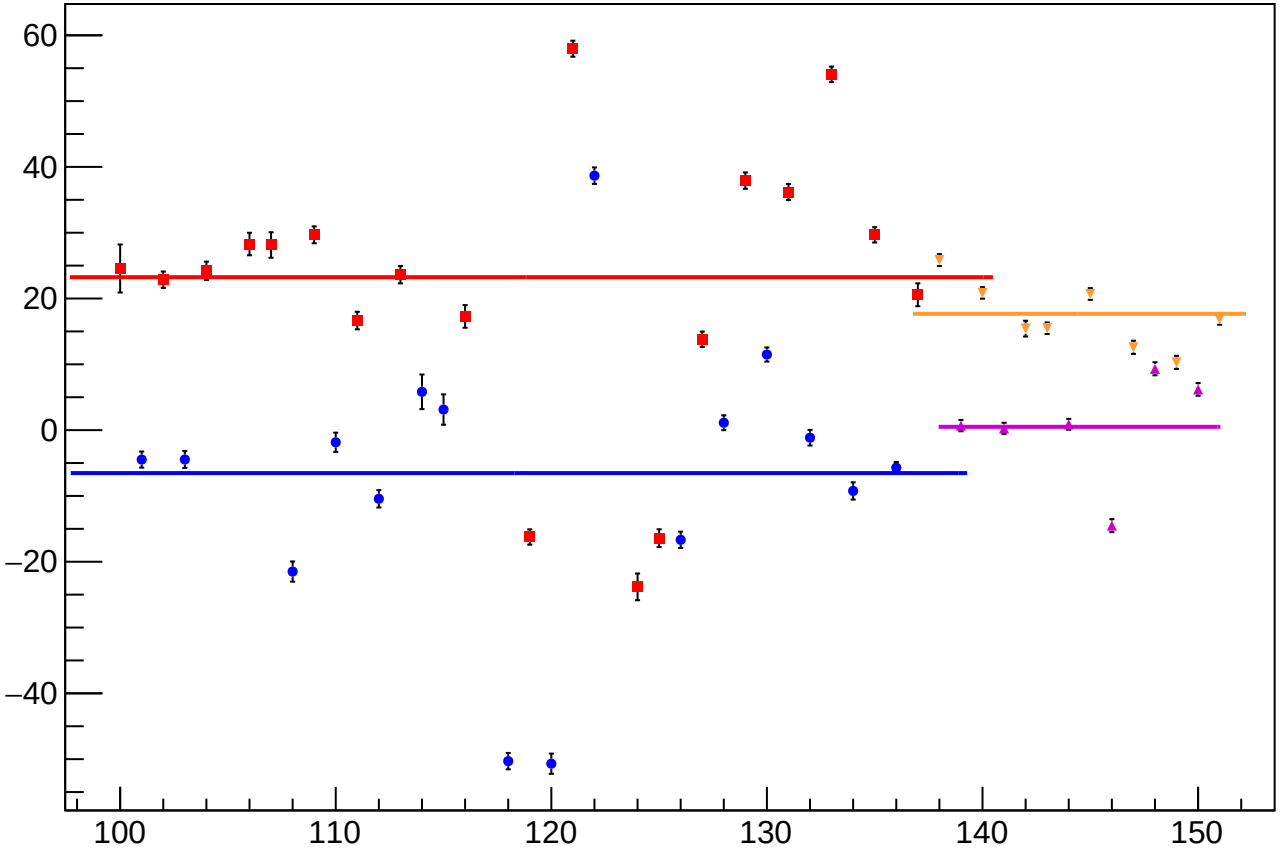
Left In: 864.735+/-0.267 χ^2/NDF:88216.6/5

+ sign 844.665+/-0.164 χ^2/NDF: 316233.9/23

All: 854.343+/-0.119 χ^2/NDF: 635455.4/48

- sign 865.015+/-0.172 χ^2/NDF: 311887.6/24

diff_bpm2i02Y_mean vs Slug



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 17.679+/-0.332 χ^2/NDF:196.3/7

Right Out: 23.244+/-0.317 χ^2/NDF: 4470.0/18

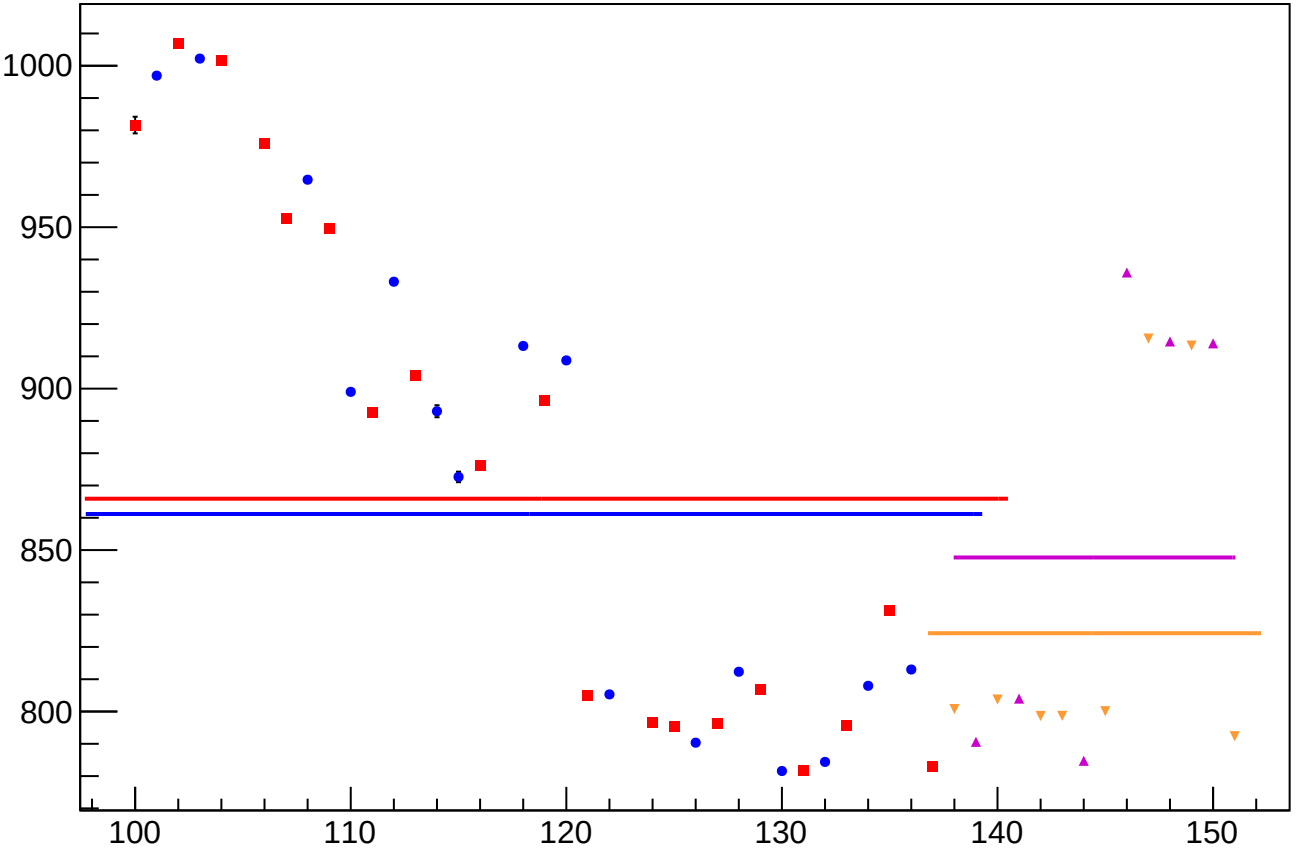
Left In: 0.505+/-0.370 χ^2/NDF:344.9/5

+ sign 5.186+/-0.231 χ^2/NDF: 6891.3/23

All: 9.226+/-0.167 χ^2/NDF: 14522.5/48

- sign 13.626+/-0.241 χ^2/NDF: 6990.8/24

diff_bpm2i02Y_rms vs Slug



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 824.253+/-0.235 χ^2/NDF:41580.7/7

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

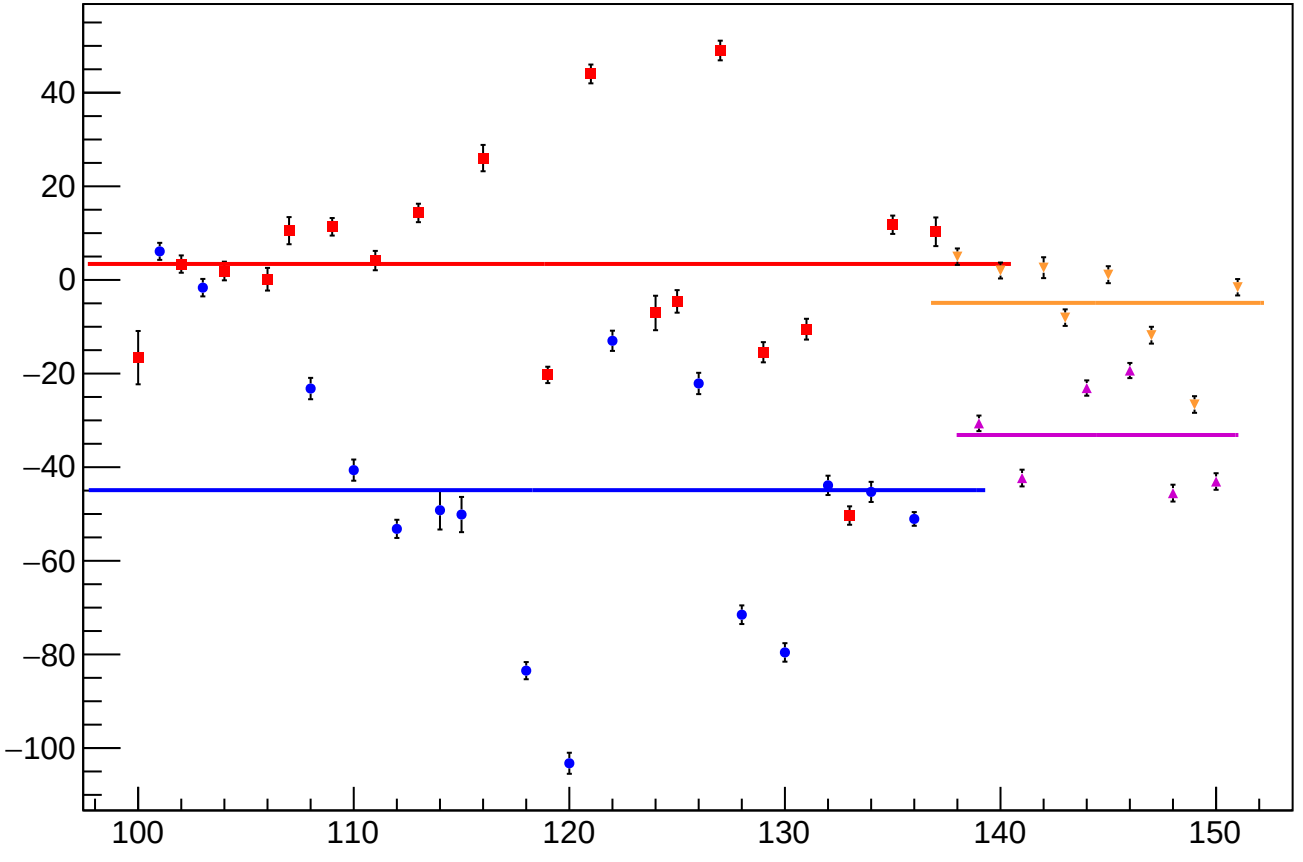
Left In: 847.711+/-0.262 χ^2/NDF:60116.6/5

+ sign 843.304+/-0.163 χ^2/NDF: 167896.2/23

All: 850.439+/-0.118 χ^2/NDF: 353213.0/48

- sign 858.211+/-0.170 χ^2/NDF: 181321.4/24

diff_bpm0i02X_mean vs Slug



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: -4.898+/-0.639 χ^2/NDF:241.2/7

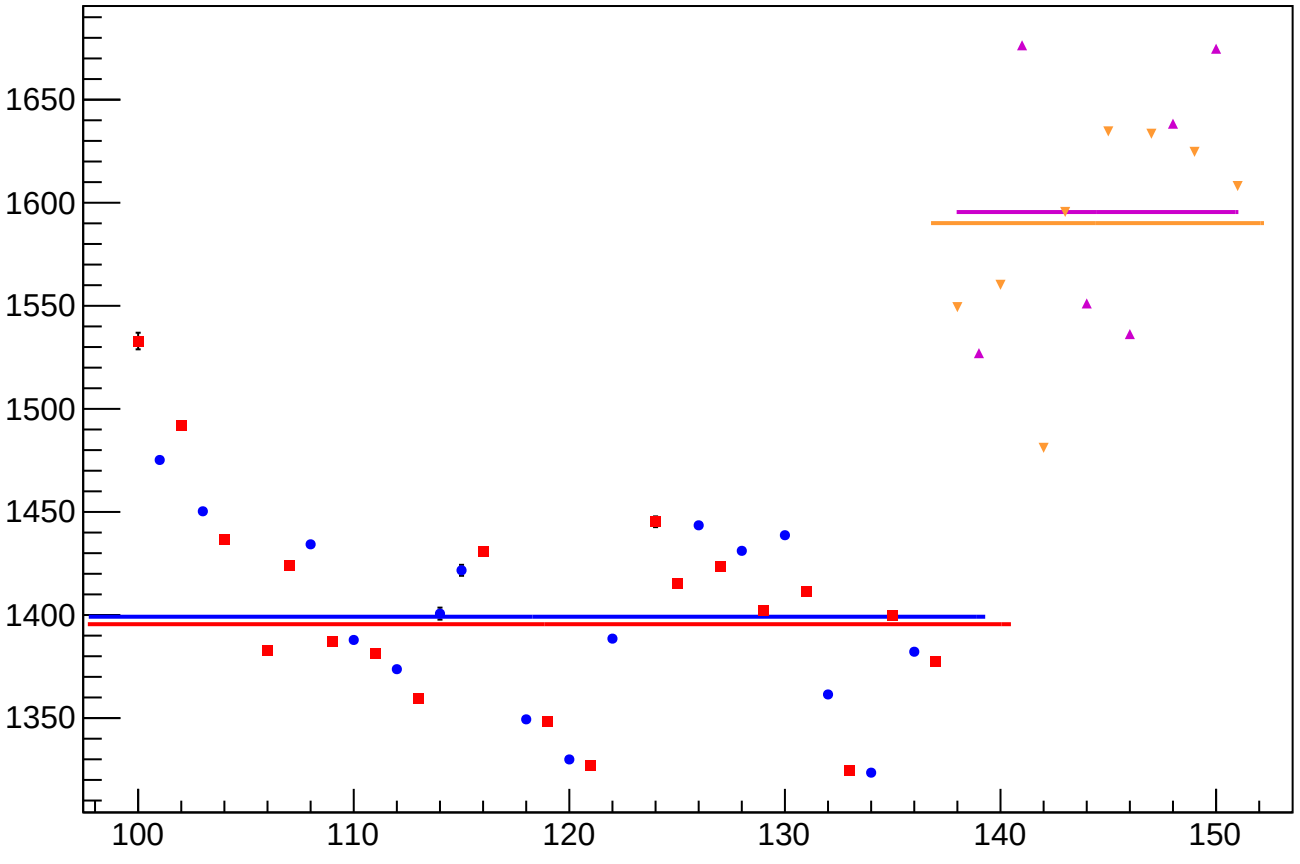
Right Out: 3.416+/-0.509 χ^2/NDF: 2102.1/18

Left In: -33.122+/-0.697 χ^2/NDF:217.7/5

+ sign -28.977+/-0.403 χ^2/NDF: 5976.4/23

All: -19.326+/-0.288 χ^2/NDF: 11255.6/48

- sign -9.298+/-0.411 χ^2/NDF: 4111.8/24



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1590.119+/-0.452 χ^2/NDF:9826.8/7

Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

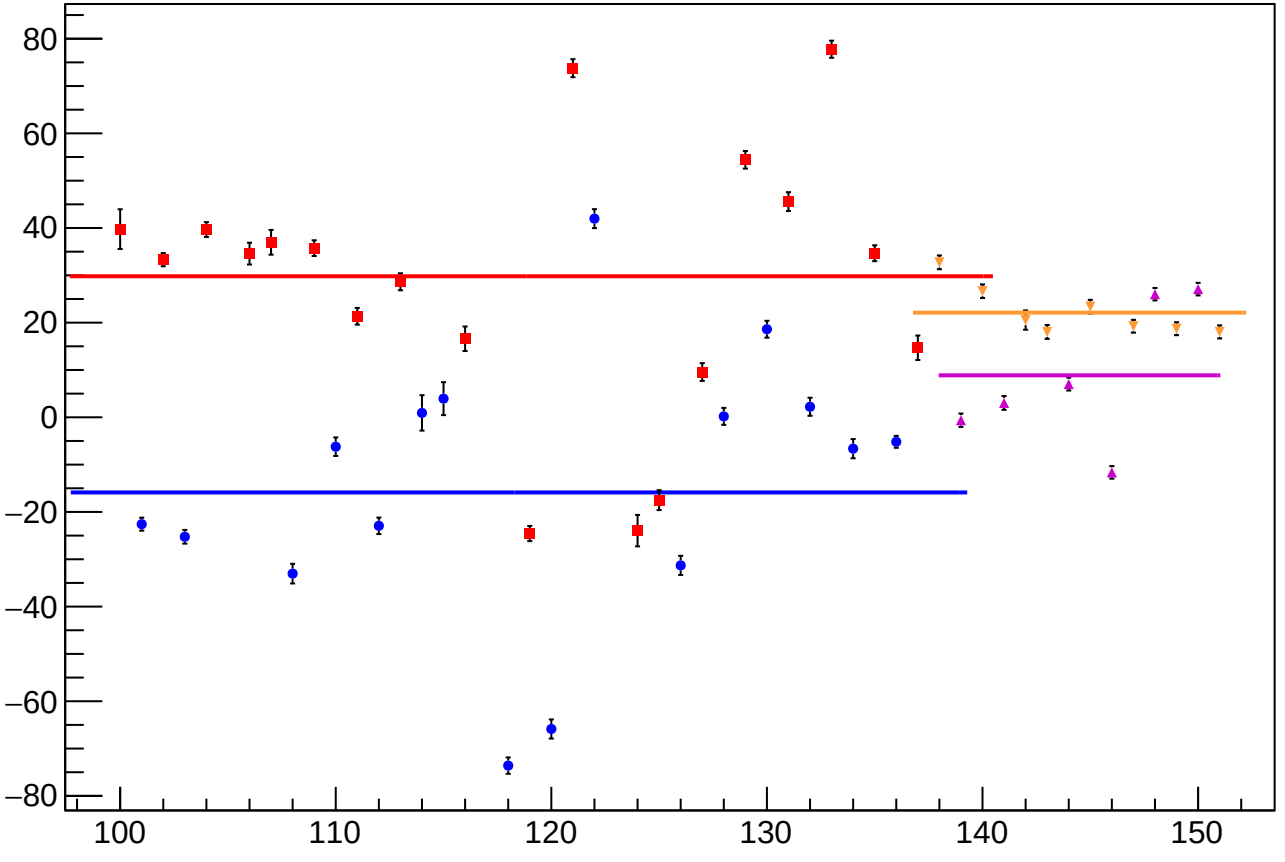
Left In: 1595.489+/-0.493 χ^2/NDF:16785.5/5

+ sign 1475.196+/-0.285 χ^2/NDF: 132083.9/23

All: 1470.255+/-0.204 χ^2/NDF: 273044.7/48

- sign 1465.121+/-0.291 χ^2/NDF: 140348.8/24

diff_bpm0i02Y_mean vs Slug



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 22.124+/-0.518 χ^2/NDF:91.6/7

Right Out: 29.801+/-0.444 χ^2/NDF: 3681.2/18

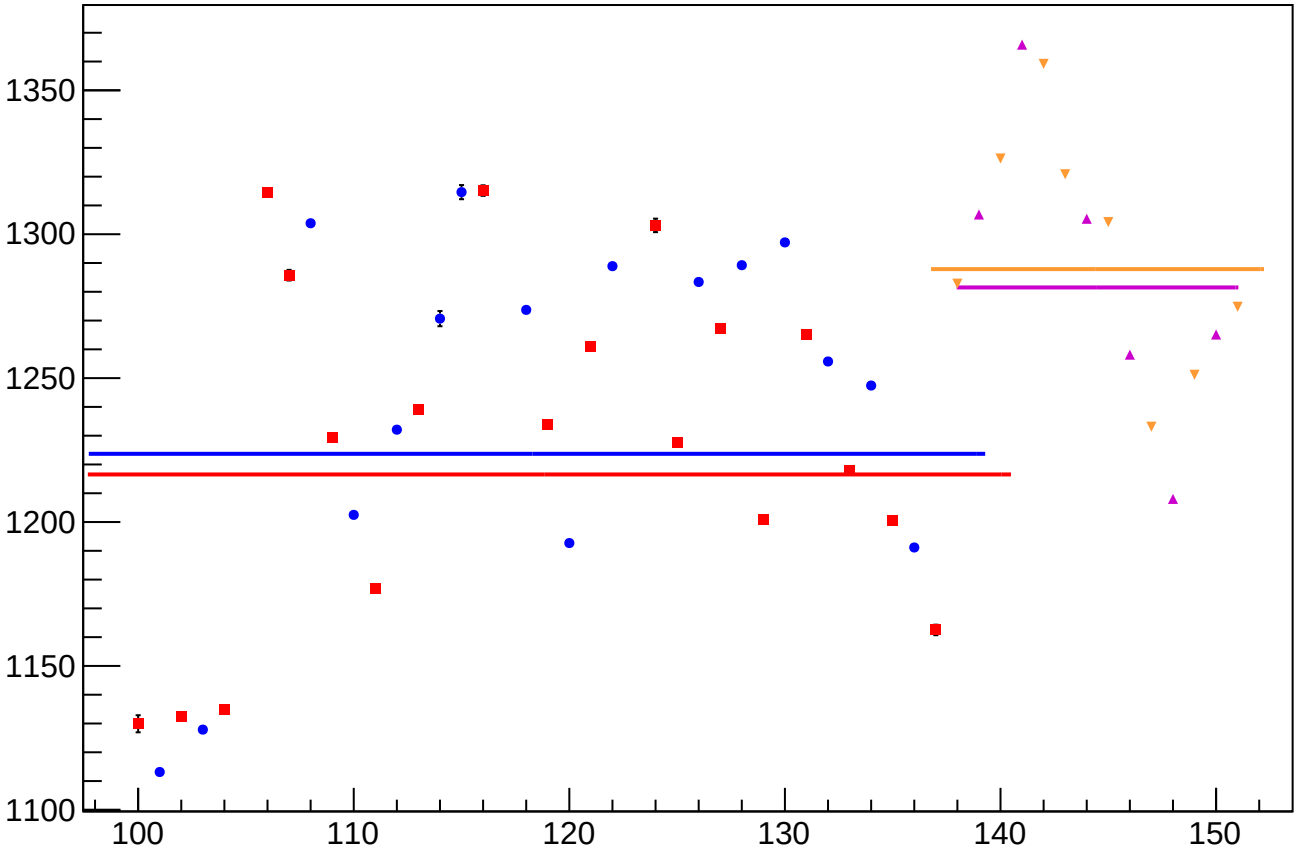
Left In: 8.869+/-0.559 χ^2/NDF:657.4/5

+ sign 0.695+/-0.342 χ^2/NDF: 6608.4/23

All: 11.013+/-0.244 χ^2/NDF: 13660.3/48

- sign 21.698+/-0.348 χ^2/NDF: 5197.5/24

diff_bpm0i02Y_rms vs Slug



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1287.881+/-0.366 χ^2/NDF:10011.3/7

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

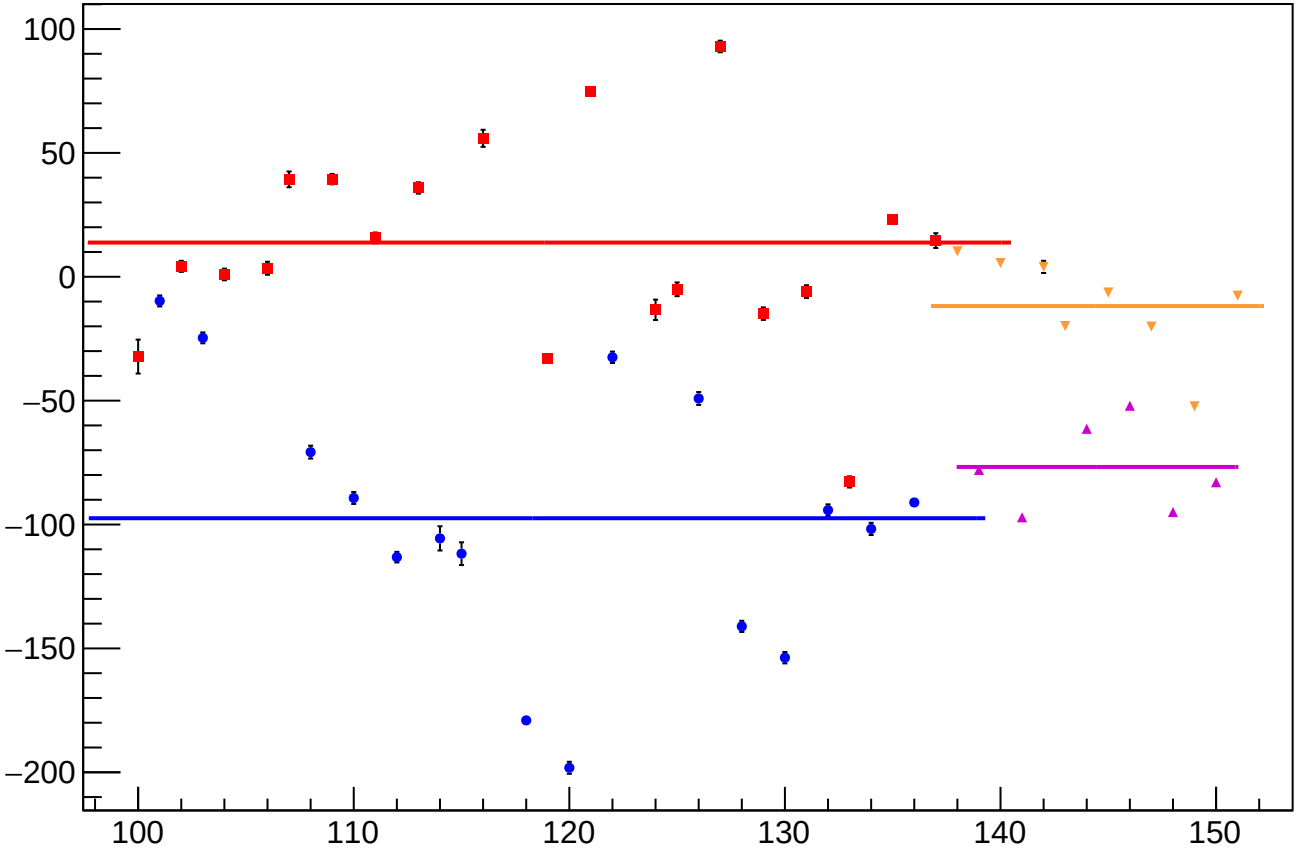
Left In: 1281.506+/-0.395 χ^2/NDF:15069.0/5

+ sign 1251.691+/-0.242 χ^2/NDF: 68230.3/23

All: 1246.775+/-0.172 χ^2/NDF: 130074.1/48

- sign 1241.683+/-0.246 χ^2/NDF: 61001.7/24

diff_bpm0i02aX_mean vs Slug



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -11.811+/-0.654 χ^2/NDF:852.5/7

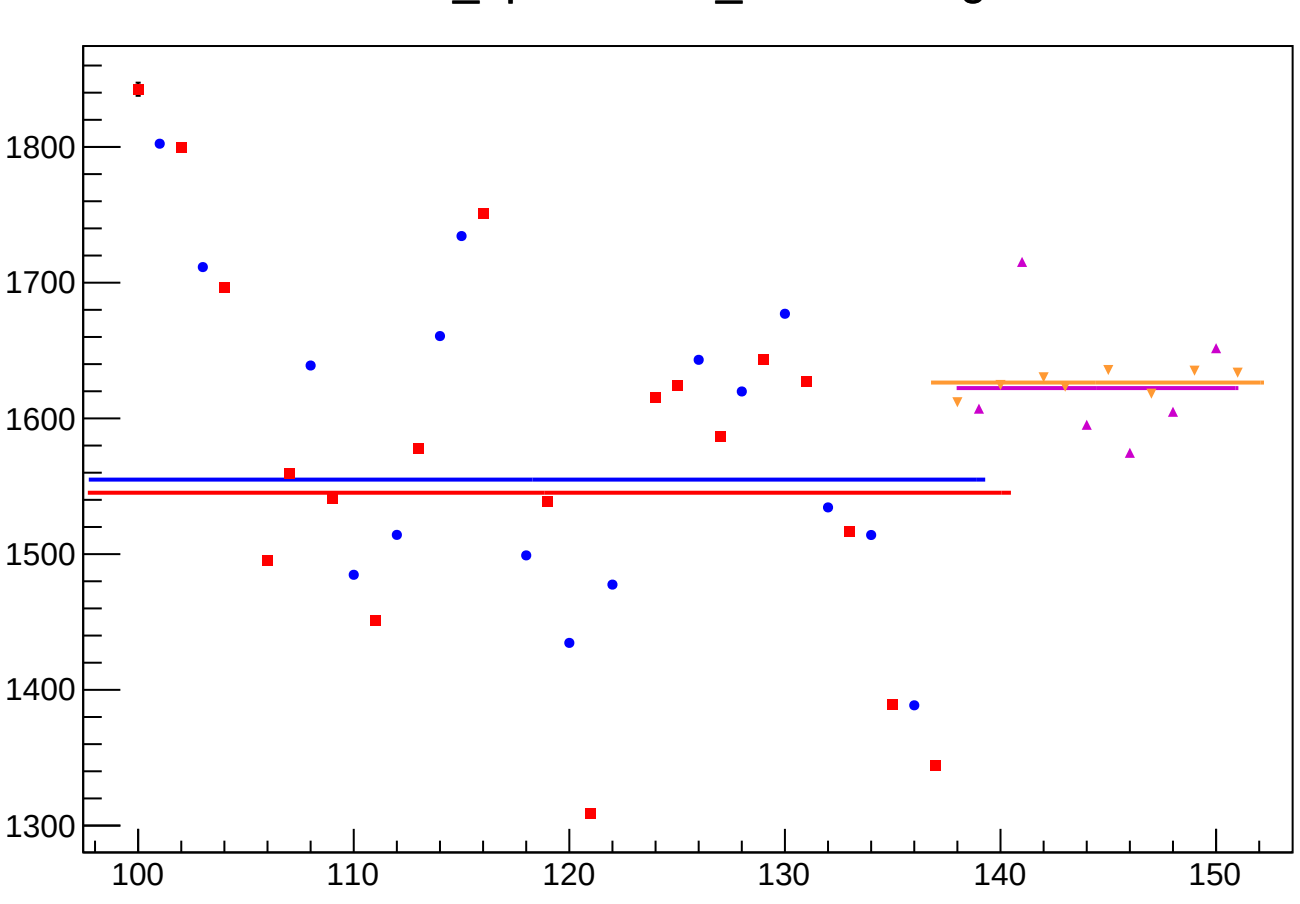
Right Out: 13.816+/-0.566 χ^2/NDF: 5352.2/18

Left In: -76.758+/-0.708 χ^2/NDF:549.1/5

+ sign -59.780+/-0.434 χ^2/NDF: 18763.6/23

All: -40.994+/-0.310 χ^2/NDF: 38483.3/48

- sign -21.486+/-0.442 χ^2/NDF: 15894.0/24



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1626.417+/-0.462 χ^2/NDF:314.2/7

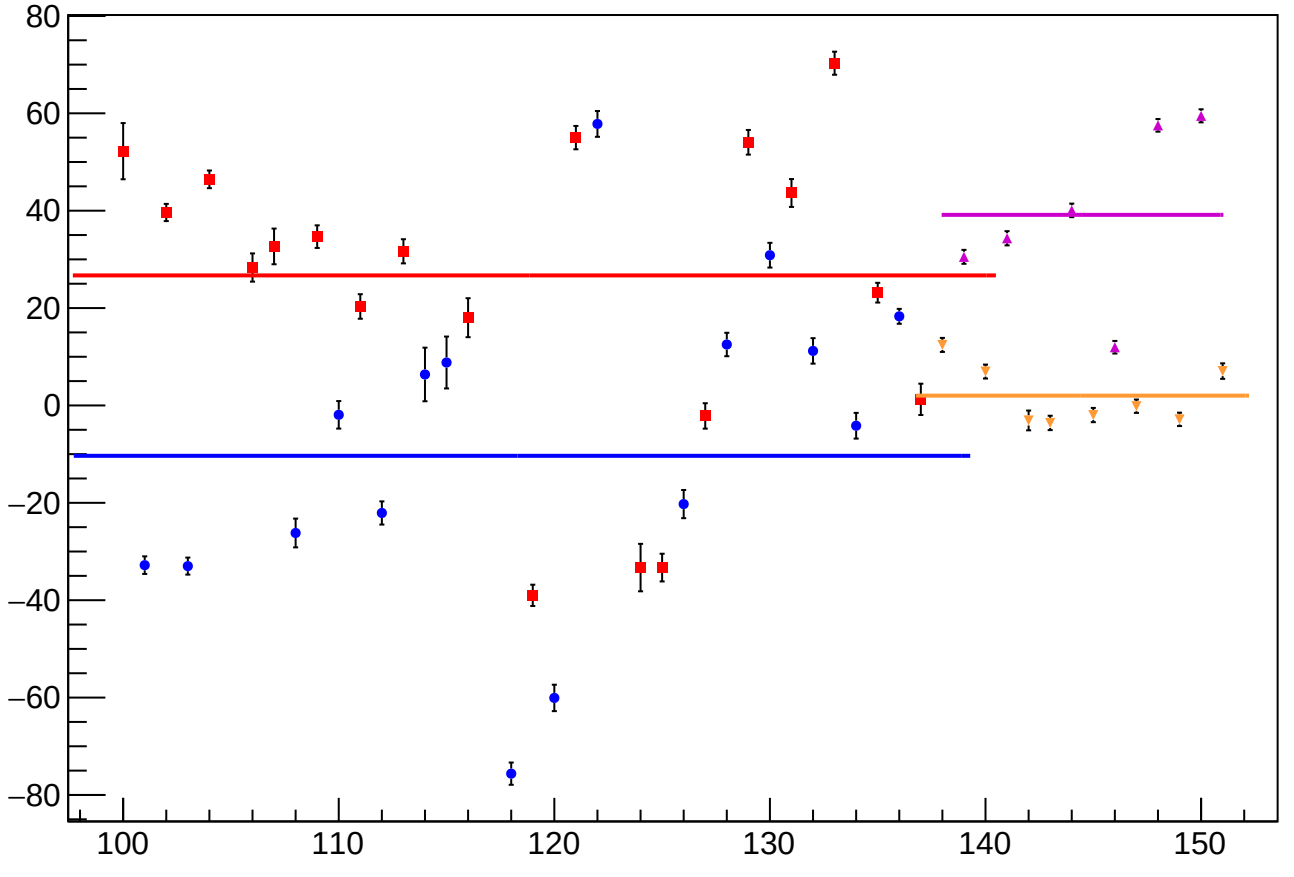
Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

Left In: 1622.336+/-0.500 χ^2/NDF:8248.3/5

+ sign 1586.365+/-0.307 χ^2/NDF: 101634.5/23

All: 1580.931+/-0.219 χ^2/NDF: 233792.9/48

- sign 1575.288+/-0.312 χ^2/NDF: 131518.2/24



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 2.017+/-0.528 χ^2/NDF:117.2/7

Right Out: 26.709+/-0.586 χ^2/NDF: 2540.7/18

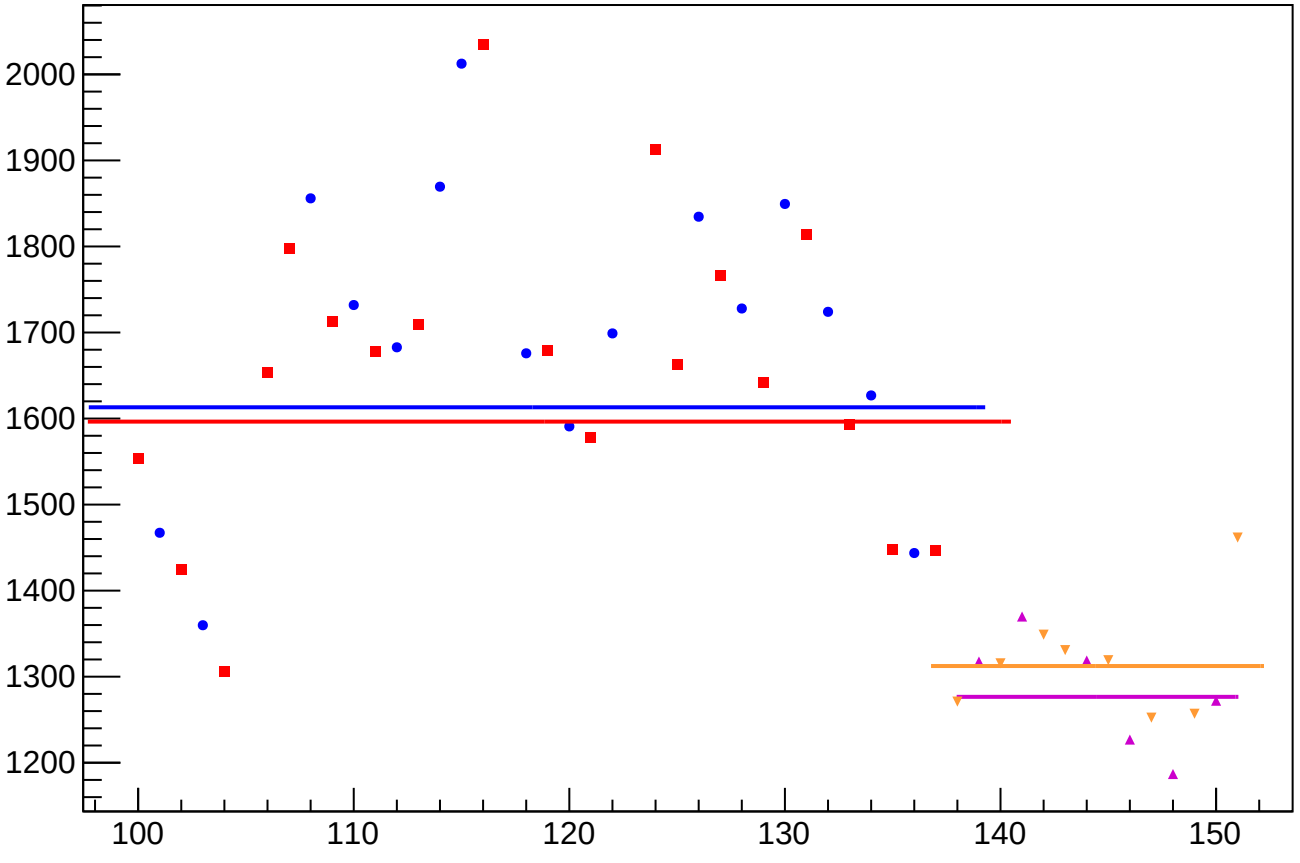
Left In: 39.145+/-0.557 χ^2/NDF:919.3/5

+ sign -3.348+/-0.397 χ^2/NDF: 3361.9/23

All: 14.641+/-0.283 χ^2/NDF: 11227.3/48

- sign 33.241+/-0.404 χ^2/NDF: 3696.3/24

diff_bpm0i02aY_rms vs Slug



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1312.375+/-0.373 χ^2/NDF:27269.1/7

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

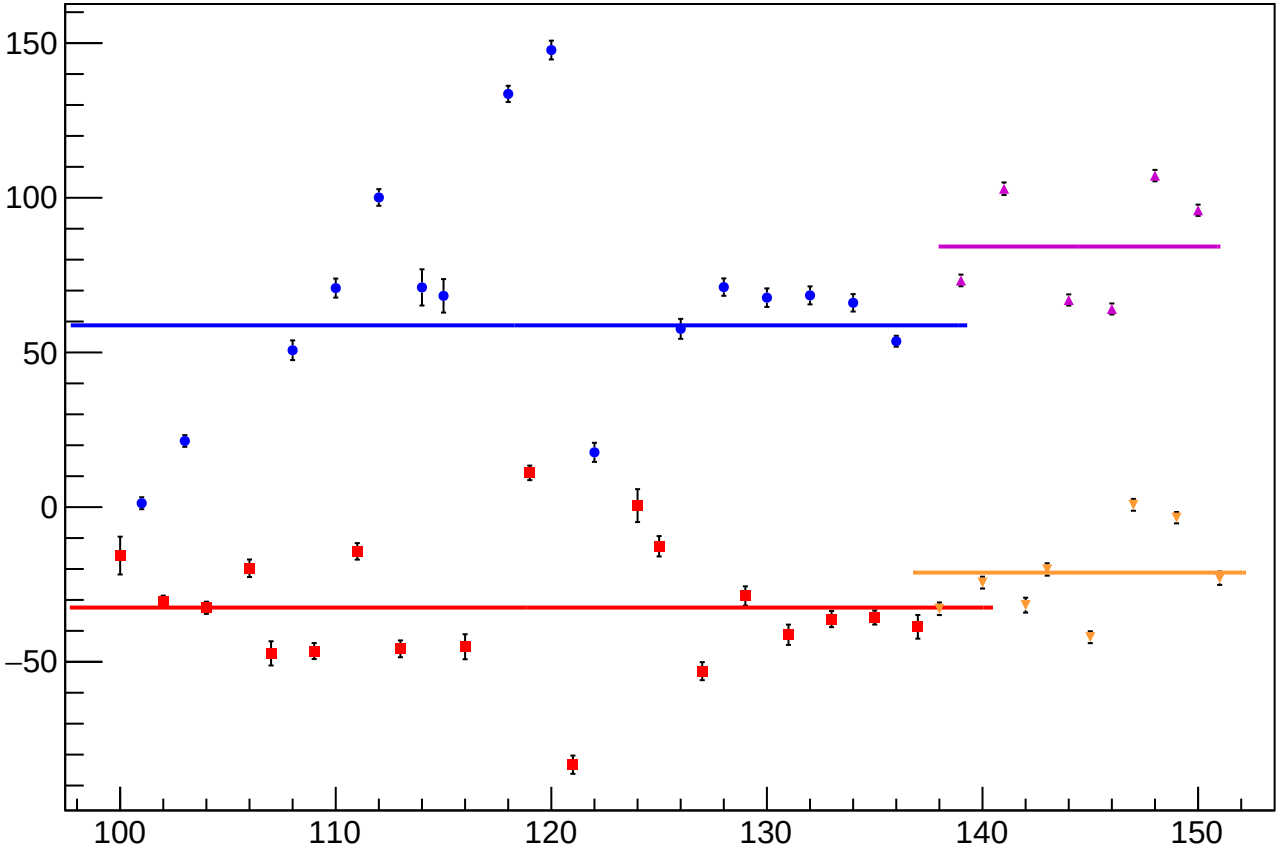
Left In: 1276.565+/-0.394 χ^2/NDF:24173.0/5

+ sign 1442.890+/-0.281 χ^2/NDF: 463383.8/23

All: 1435.783+/-0.200 χ^2/NDF: 962193.8/48

- sign 1428.434+/-0.286 χ^2/NDF: 497508.5/24

diff_bpm0i05X_mean vs Slug



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -21.171+/-0.709 χ^2/NDF:398.9/7

Right Out: -32.467+/-0.648 χ^2/NDF: 930.8/18

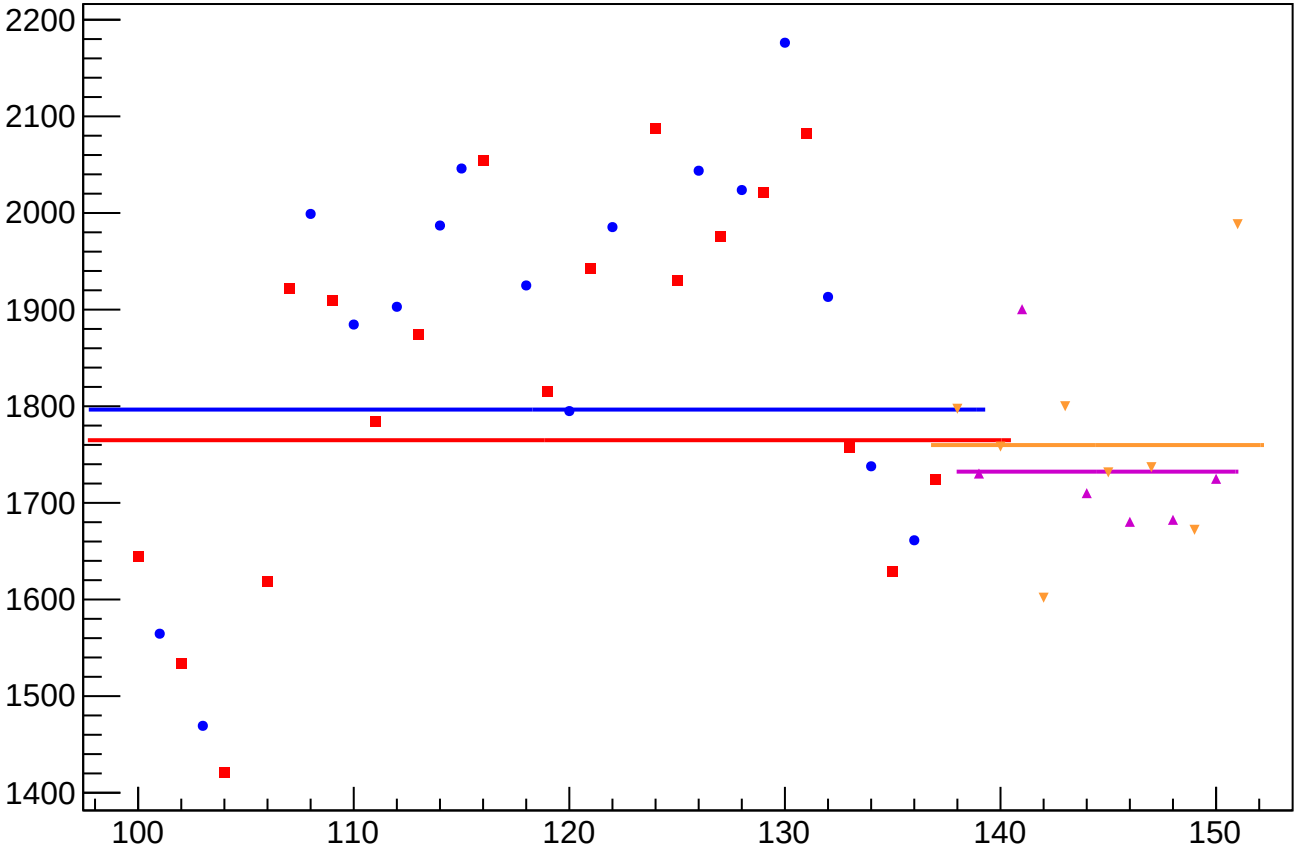
Left In: 84.240+/-0.757 χ^2/NDF:536.5/5

+ sign 20.916+/-0.488 χ^2/NDF: 10531.9/23

All: 18.947+/-0.347 χ^2/NDF: 25746.0/48

- sign 16.942+/-0.492 χ^2/NDF: 15181.2/24

diff_bpm0i05X_rms vs Slug



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 1759.828+/-0.501 χ^2/NDF:37551.0/7

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

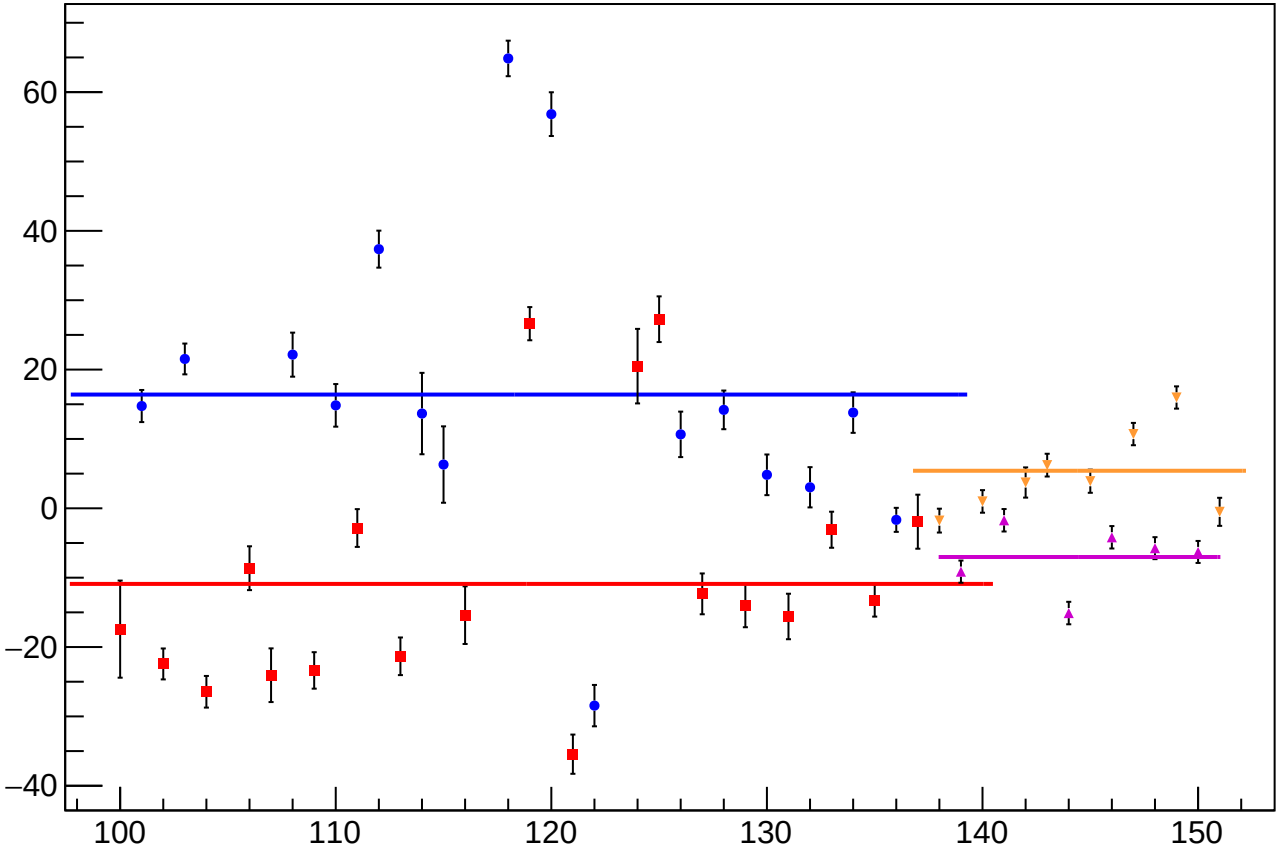
Left In: 1732.311+/-0.535 χ^2/NDF:17238.3/5

+ sign 1779.166+/-0.345 χ^2/NDF: 233547.4/23

All: 1765.251+/-0.245 χ^2/NDF: 446190.0/48

- sign 1751.080+/-0.348 χ^2/NDF: 209359.6/24

diff_bpm0i05Y_mean vs Slug



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: 5.414+/-0.612 χ^2/NDF:89.2/7

Right Out: -10.899+/-0.676 χ^2/NDF: 641.7/18

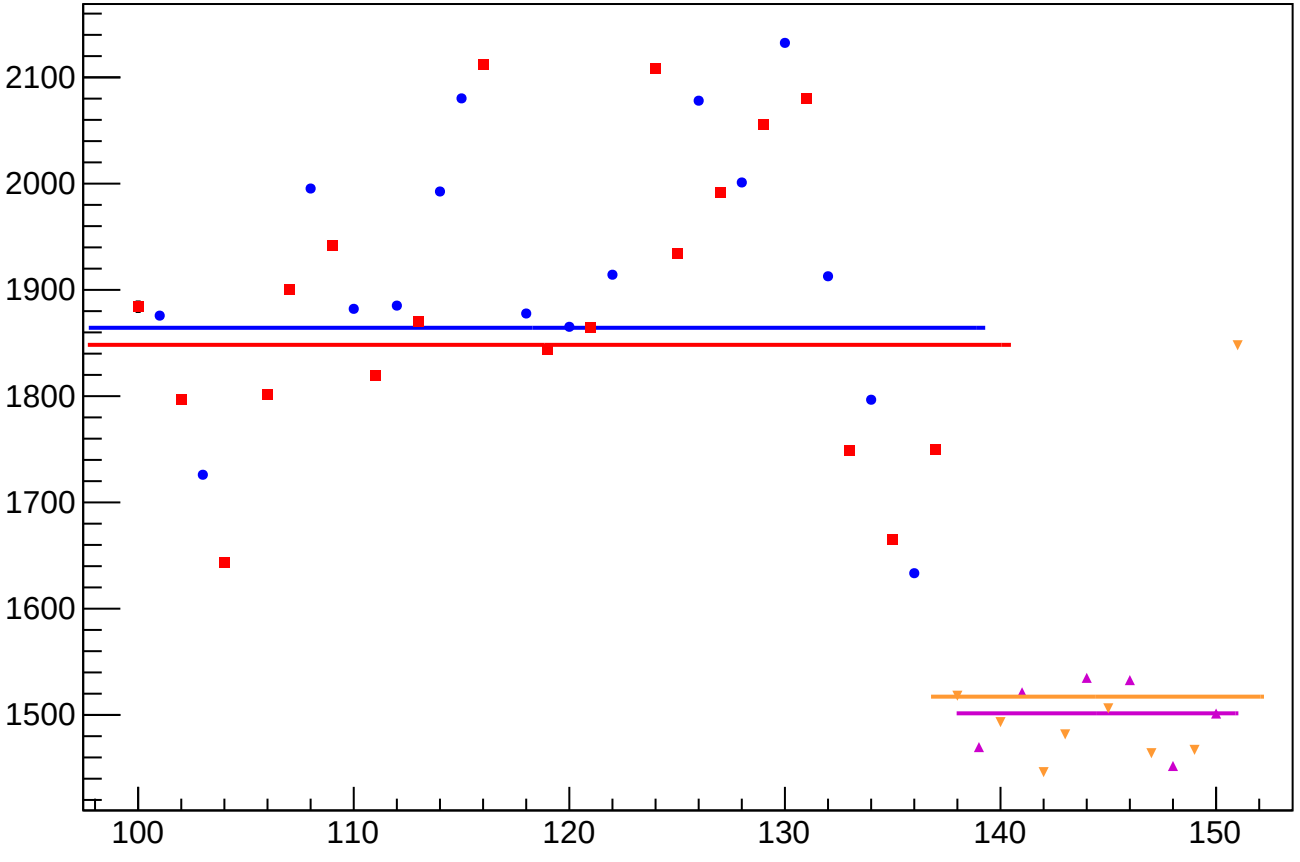
Left In: -7.019+/-0.655 χ^2/NDF:41.3/5

\+ sign 10.208+/-0.459 χ^2/NDF: 1203.0/23

All: 0.889+/-0.329 χ^2/NDF: 2747.7/48

\- sign -8.897+/-0.470 χ^2/NDF: 699.9/24

diff_bpm0i05Y_rms vs Slug



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1517.209+/-0.432 χ^2/NDF:61181.8/7

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

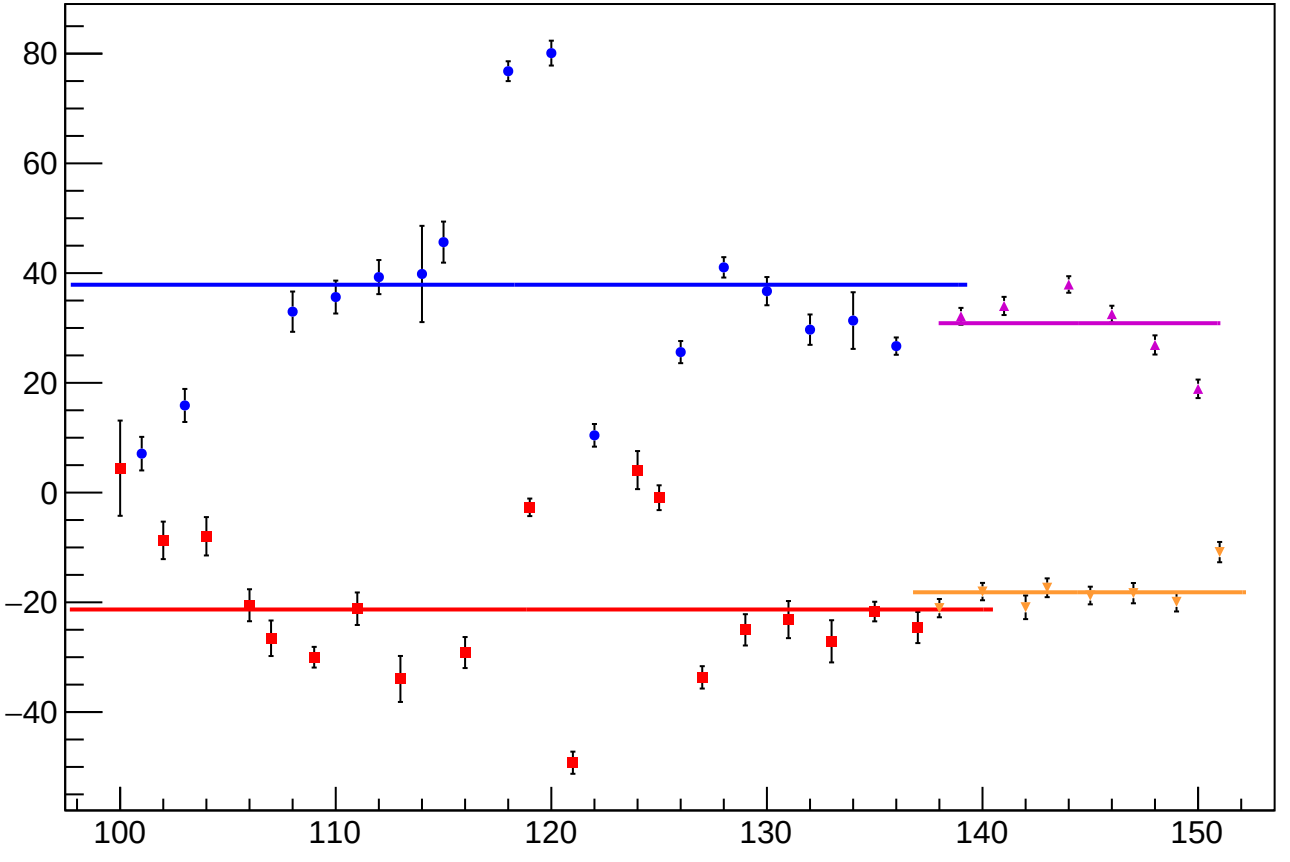
Left In: 1501.515+/-0.463 χ^2/NDF:4642.2/5

+ sign 1668.692+/-0.325 χ^2/NDF: 425713.7/23

All: 1669.000+/-0.232 χ^2/NDF: 776711.7/48

- sign 1669.324+/-0.333 χ^2/NDF: 350996.1/24

diff_bpm0i07X_mean vs Slug



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -18.169+/-0.619 χ^2/NDF:21.7/7

Right Out: -21.306+/-0.593 χ^2/NDF: 582.6/18

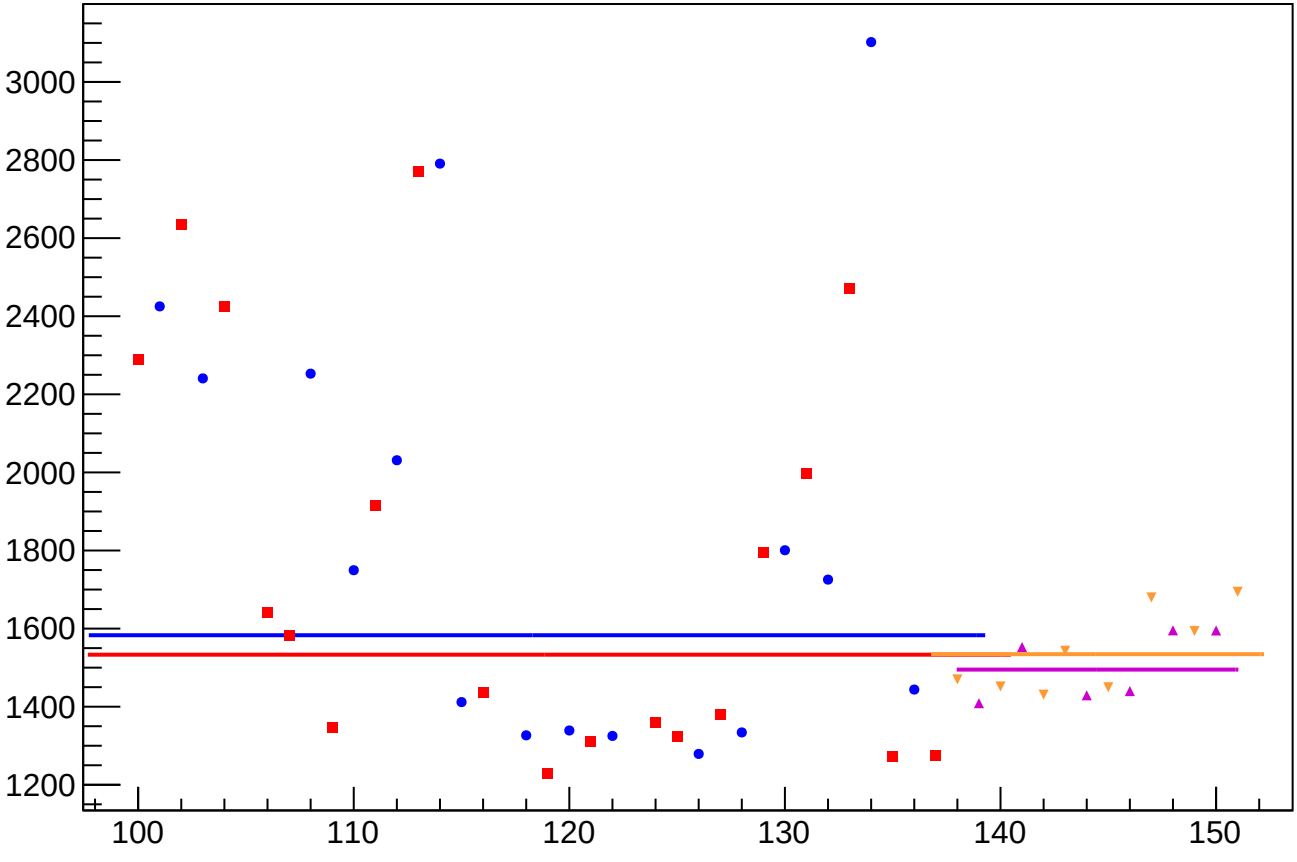
Left In: 30.870+/-0.654 χ^2/NDF:82.8/5

\+ sign 9.696+/-0.439 χ^2/NDF: 5349.9/23

All: 5.974+/-0.310 χ^2/NDF: 9654.8/48

\- sign 2.247+/-0.439 χ^2/NDF: 4160.9/24

diff_bpm0i07X_rms vs Slug



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1534.546+/-0.438 χ^2/NDF:48247.6/7

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

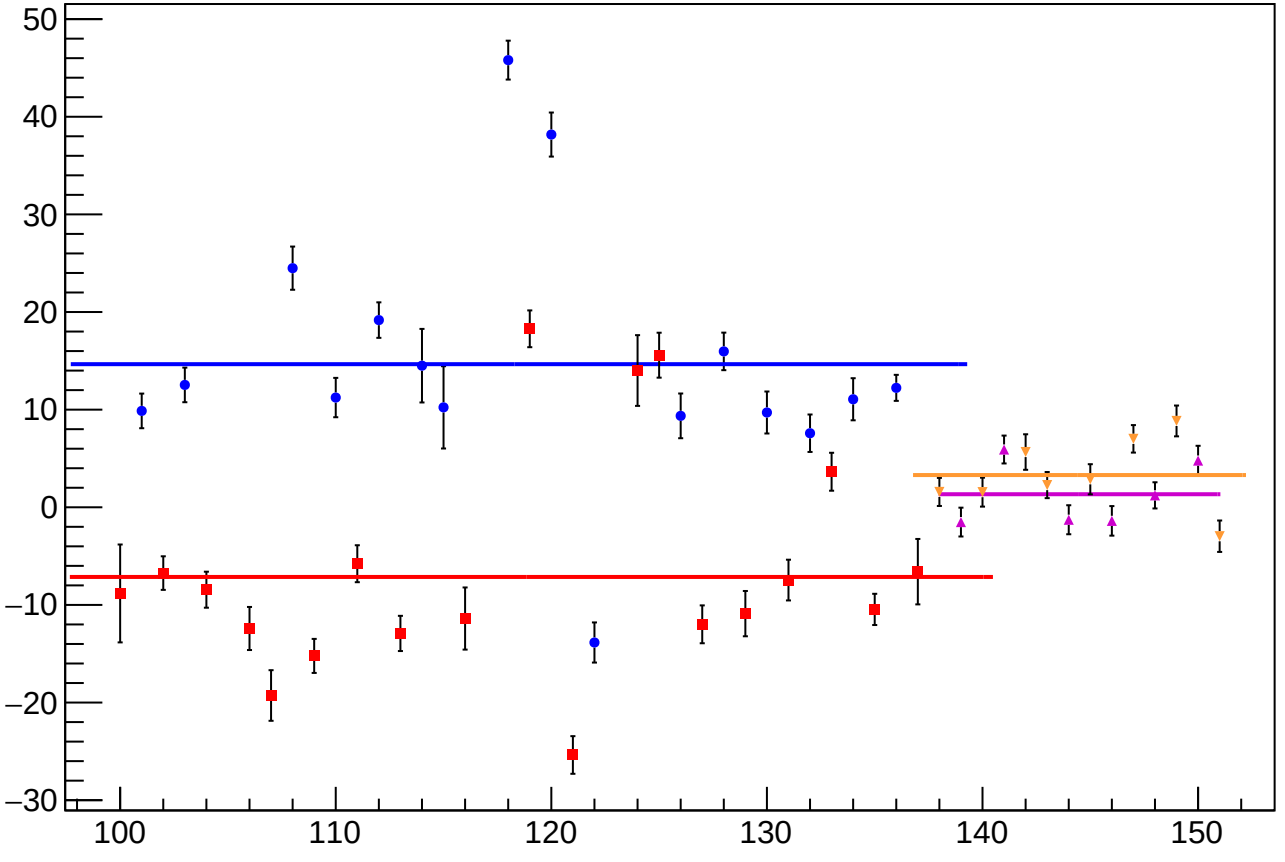
Left In: 1494.996+/-0.462 χ^2/NDF:28849.4/5

+ sign 1558.659+/-0.310 χ^2/NDF: 842028.4/23

All: 1537.321+/-0.219 χ^2/NDF: 1834866.9/48

- sign 1515.949+/-0.311 χ^2/NDF: 983372.8/24

diff_bpm0i07Y_mean vs Slug



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 3.301+/-0.534 χ^2/NDF:39.6/7

Right Out: -7.135+/-0.483 χ^2/NDF: 509.4/18

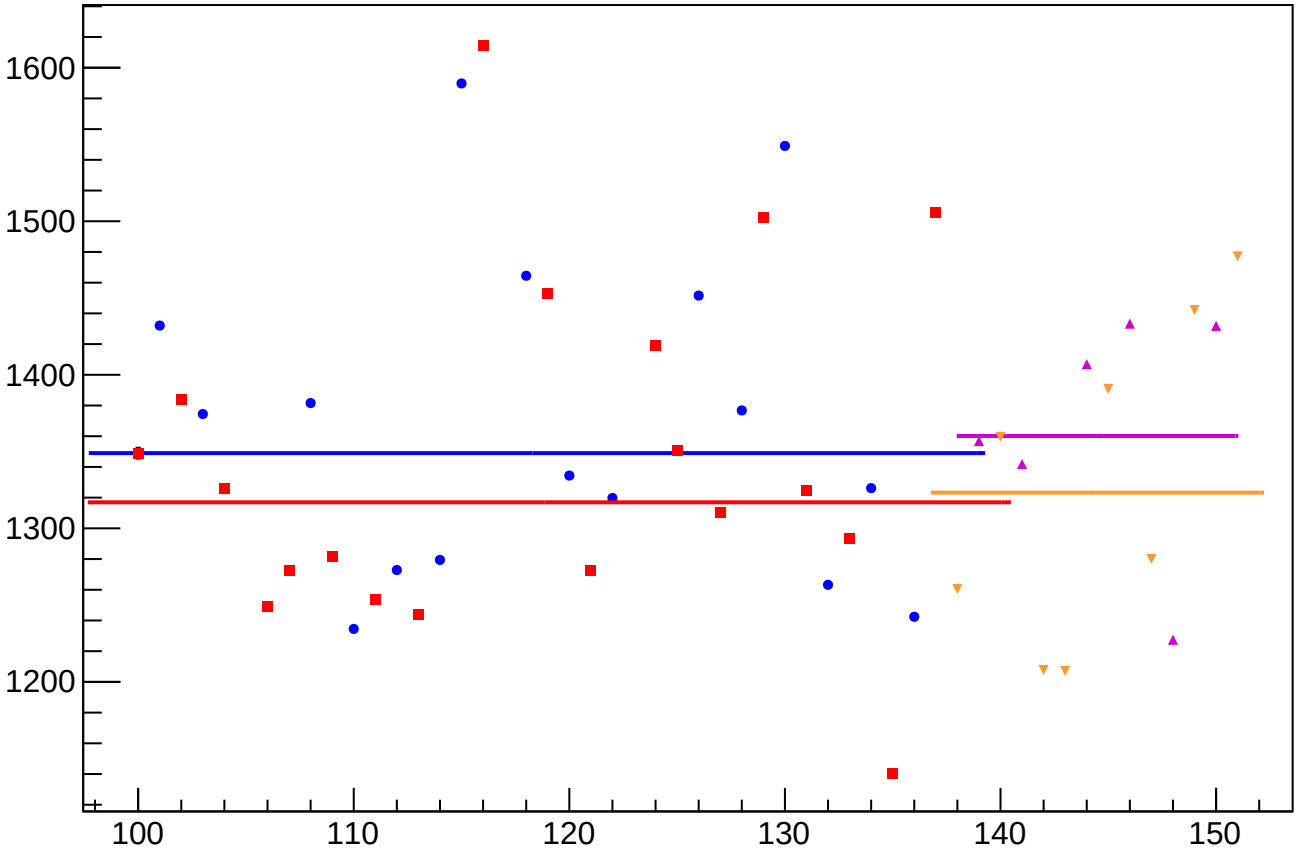
Left In: 1.337+/-0.594 χ^2/NDF:25.5/5

+ sign 9.300+/-0.367 χ^2/NDF: 893.5/23

All: 2.914+/-0.262 χ^2/NDF: 2171.3/48

- sign -3.764+/-0.375 χ^2/NDF: 657.3/24

diff_bpm0i07Y_rms vs Slug



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1323.264+/-0.377 χ^2/NDF:63493.8/7

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

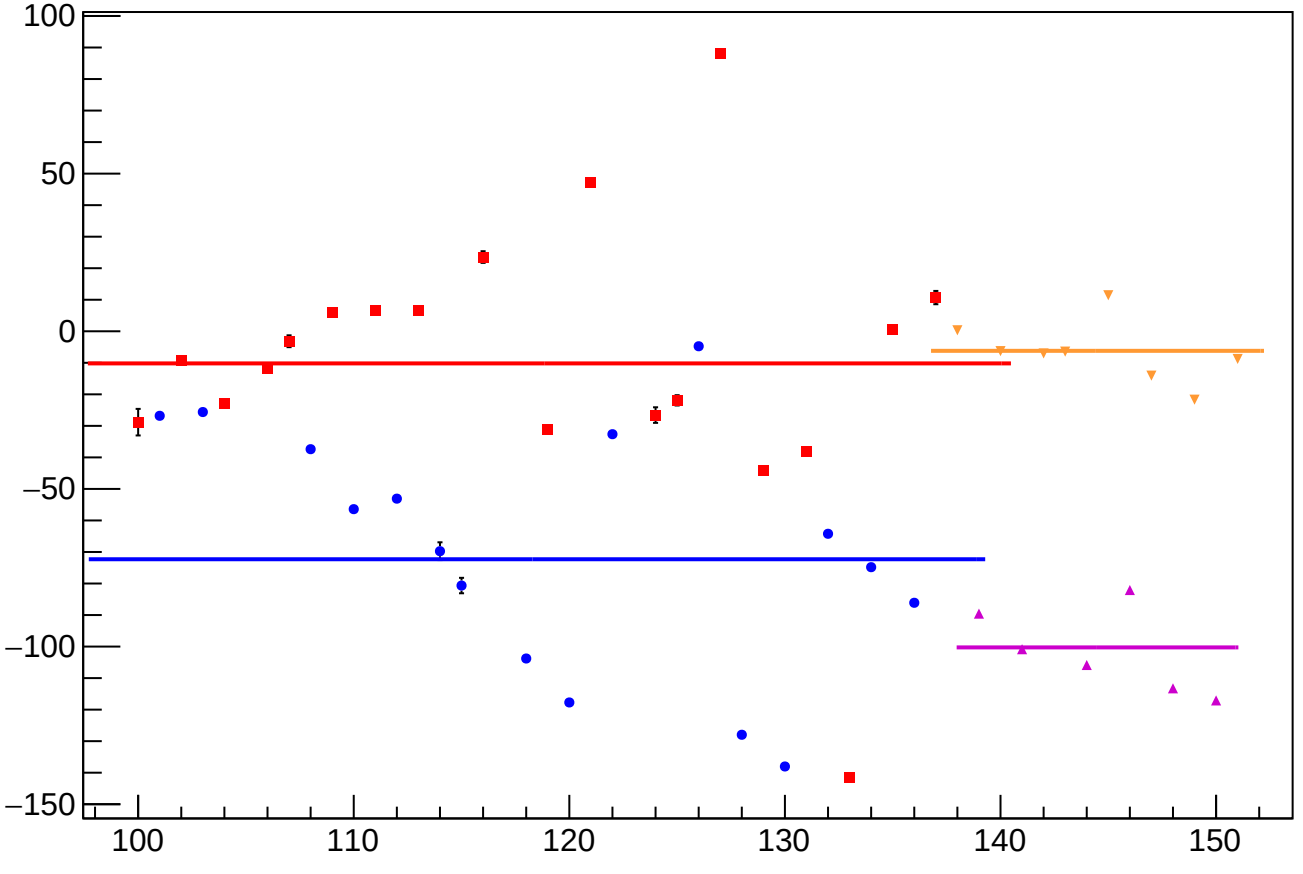
Left In: 1360.166+/-0.420 χ^2/NDF:31066.7/5

+ sign 1336.858+/-0.259 χ^2/NDF: 134333.3/23

All: 1335.535+/-0.185 χ^2/NDF: 258689.8/48

- sign 1334.152+/-0.265 χ^2/NDF: 124303.3/24

diff_bpm1i02X_mean vs Slug



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -6.203+/-0.366 χ^2/NDF:569.1/7

Right Out: -10.188+/-0.345 χ^2/NDF: 19045.9/18

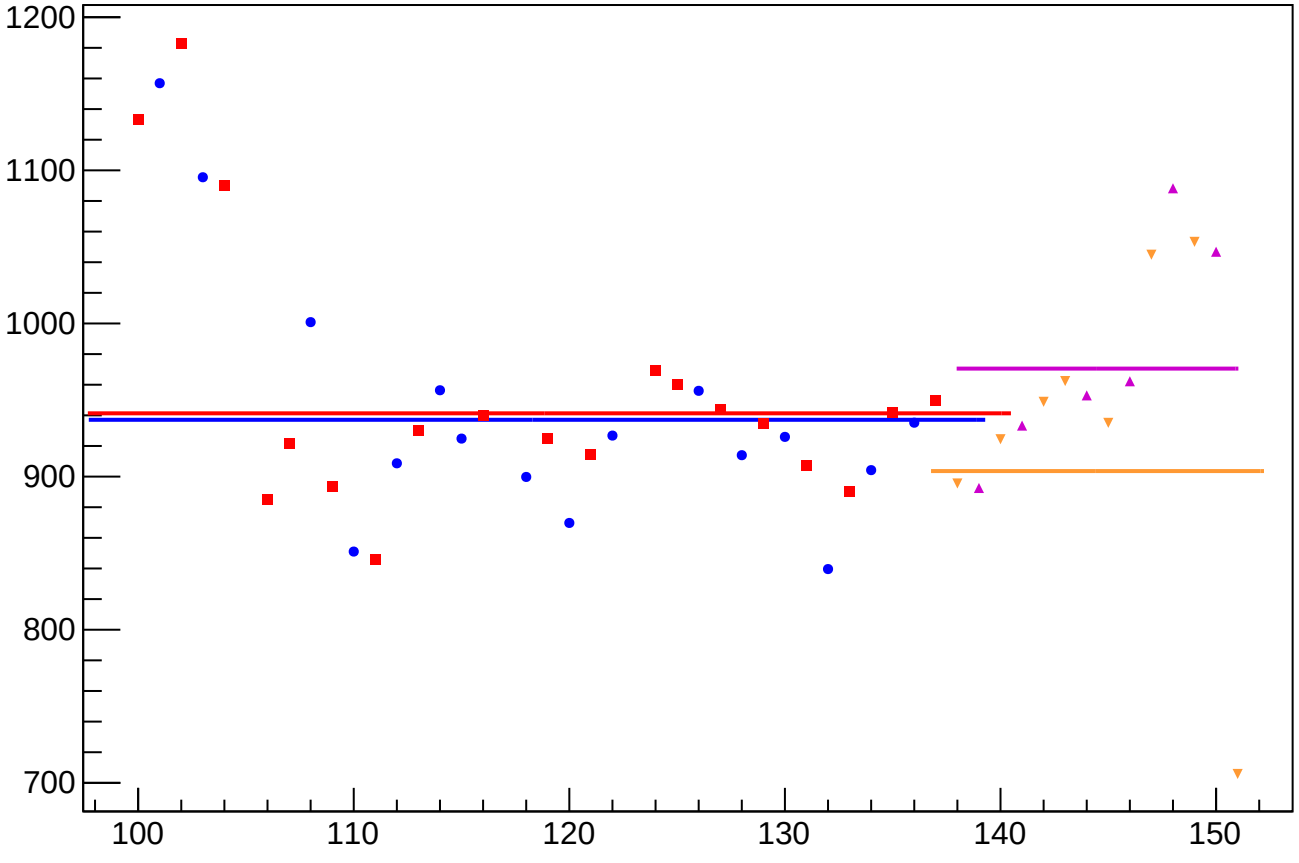
Left In: -100.264+/-0.424 χ^2/NDF:825.8/5

+ sign -40.783+/-0.253 χ^2/NDF: 29784.8/23

All: -43.263+/-0.184 χ^2/NDF: 77062.7/48

- sign -46.037+/-0.267 χ^2/NDF: 47073.9/24

diff_bpm1i02X_rms vs Slug



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 903.609+/-0.259 χ^2/NDF:207632.3/7

Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

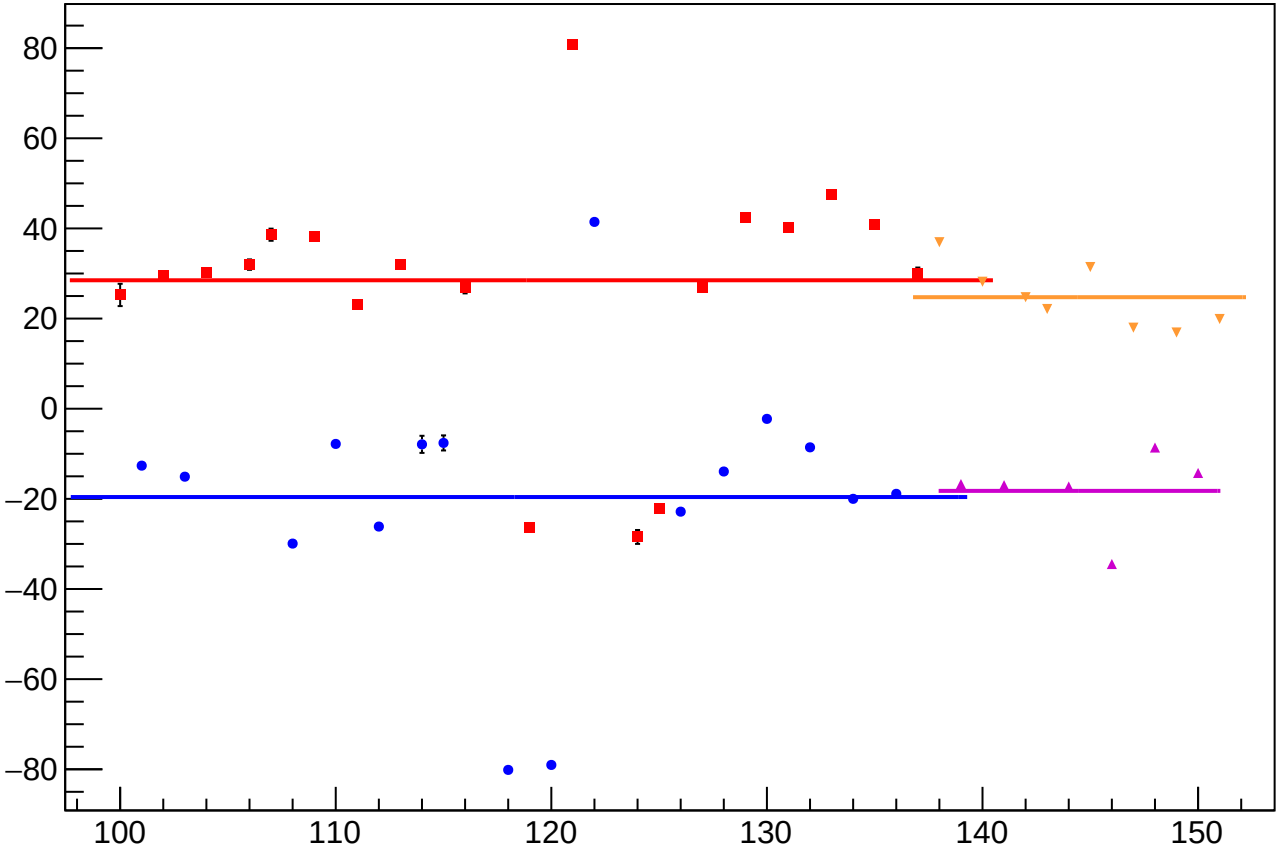
Left In: 970.530+/-0.300 χ^2/NDF:45663.4/5

+ sign 921.128+/-0.179 χ^2/NDF: 321051.2/23

All: 936.147+/-0.130 χ^2/NDF: 488426.4/48

- sign 952.947+/-0.189 χ^2/NDF: 152414.6/24

diff_bpm1i02Y_mean vs Slug



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 24.742+/-0.257 χ^2/NDF:661.1/7

Right Out: 28.496+/-0.230 χ^2/NDF: 12971.2/18

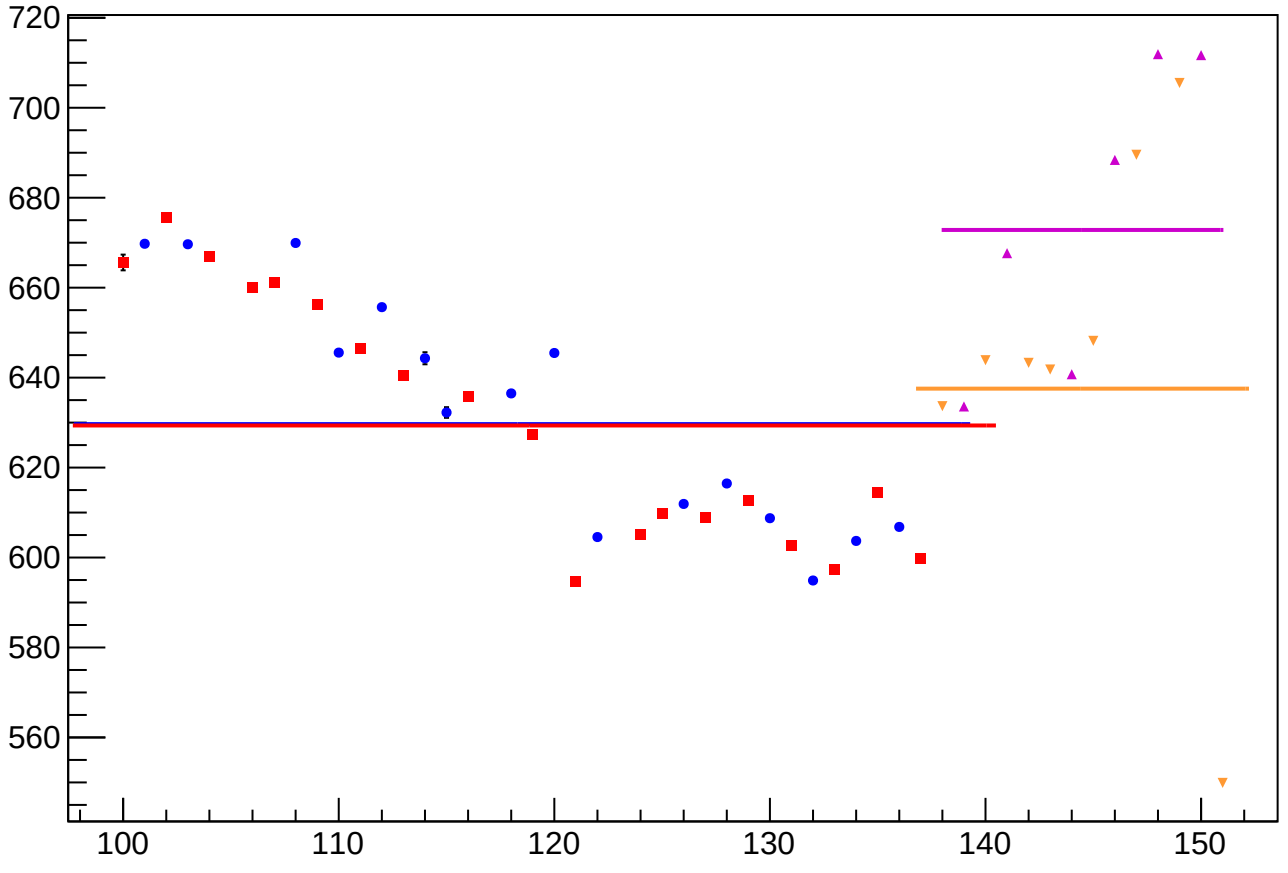
Left In: -18.231+/-0.293 χ^2/NDF:692.7/5

+ sign 0.527+/-0.173 χ^2/NDF: 30118.8/23

All: 5.405+/-0.125 χ^2/NDF: 61177.8/48

- sign 10.738+/-0.181 χ^2/NDF: 29394.0/24

diff_bpm1i02Y_rms vs Slug



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 637.551+/-0.182 χ^2/NDF:68658.0/7

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

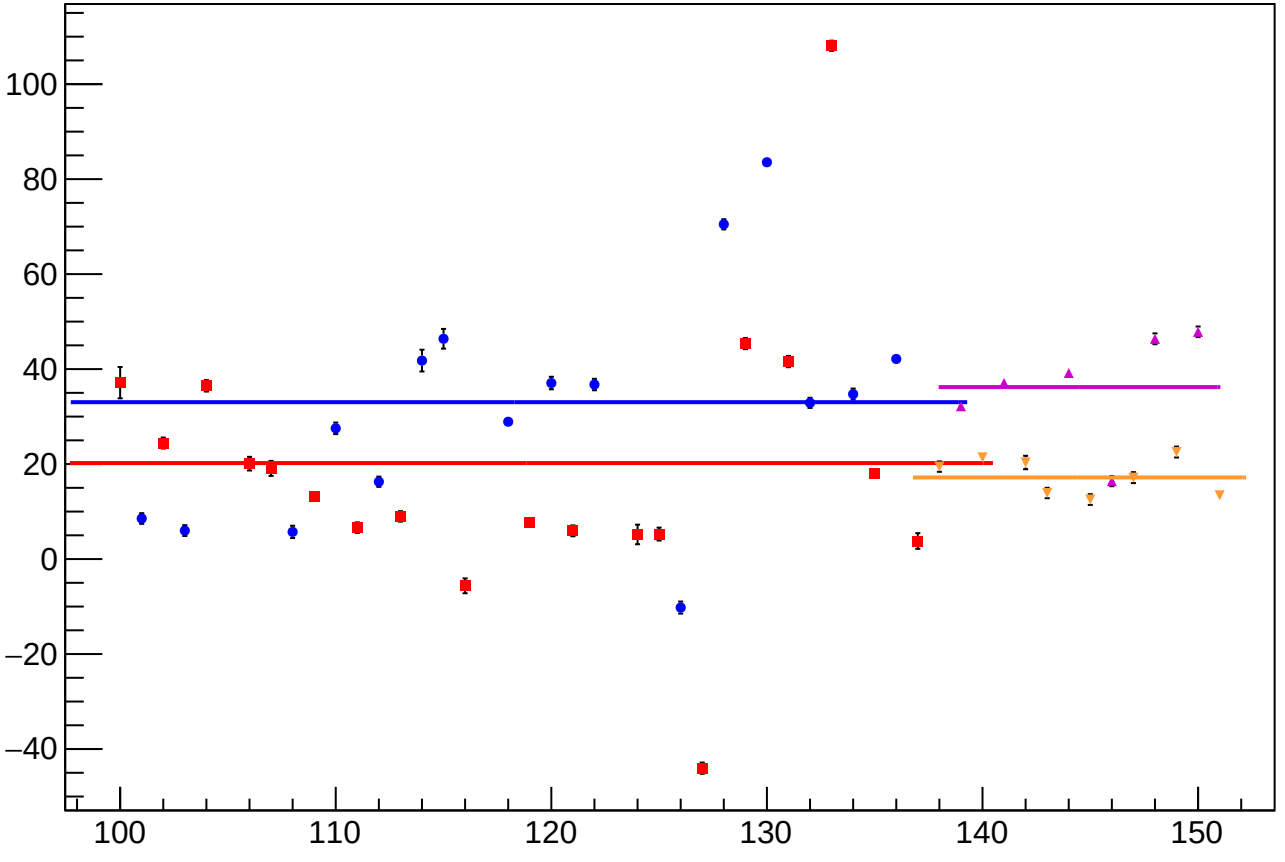
Left In: 672.833+/-0.207 χ^2/NDF:22461.1/5

+ sign 633.241+/-0.122 χ^2/NDF: 95005.2/23

All: 639.281+/-0.088 χ^2/NDF: 176591.1/48

- sign 645.882+/-0.128 χ^2/NDF: 76482.4/24

diff_bpm1i04X_mean vs Slug



Right In: 33.033+/-0.289 χ^2/NDF: 6700.1/15

Left Out: 17.185+/-0.387 χ^2/NDF:91.2/7

Right Out: 20.215+/-0.286 χ^2/NDF: 11869.7/18

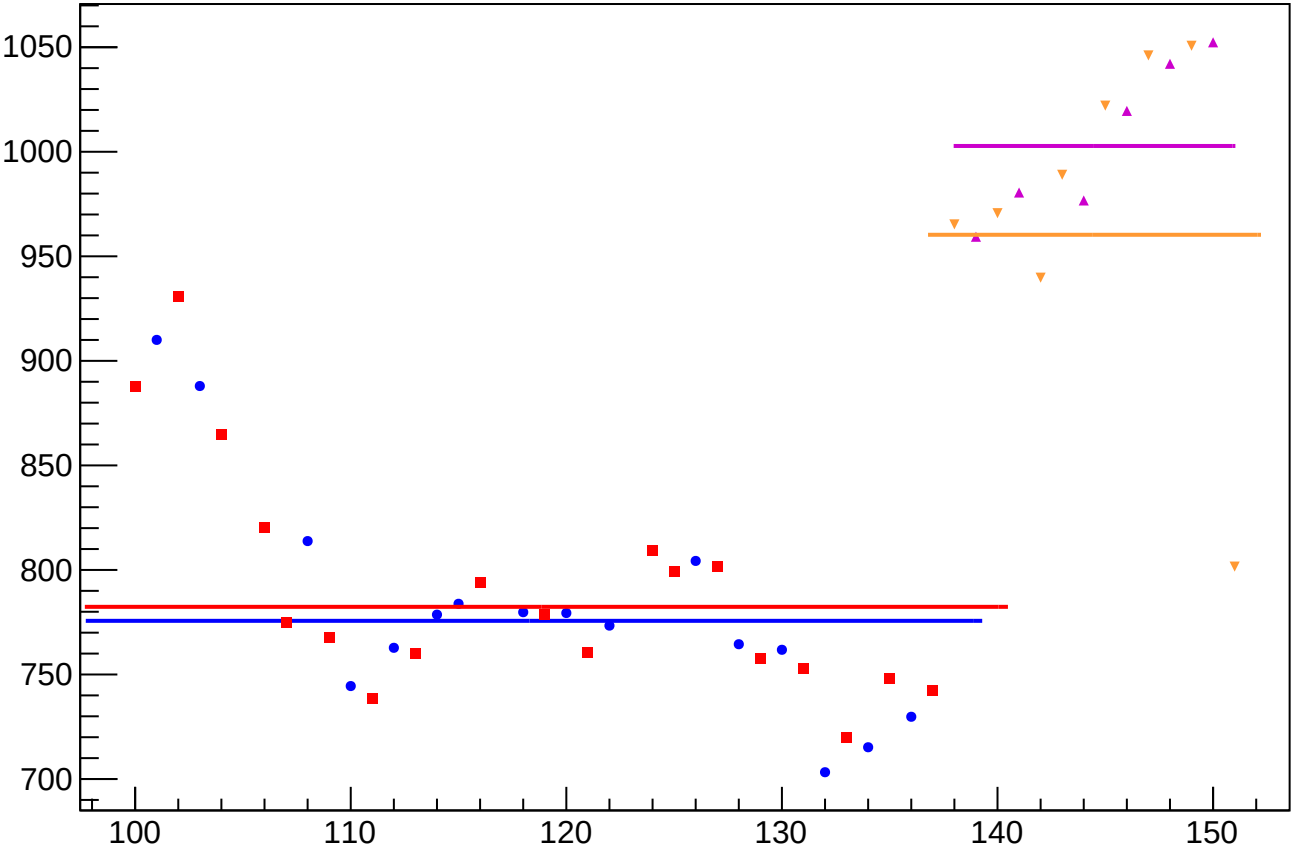
Left In: 36.212+/-0.437 χ^2/NDF:552.8/5

\+ sign 27.367+/-0.232 χ^2/NDF: 7867.1/23

All: 26.225+/-0.166 χ^2/NDF: 21277.0/48

\- sign 25.006+/-0.239 χ^2/NDF: 13359.6/24

diff_bpm1i04X_rms vs Slug



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 960.300+/-0.274 χ^2/NDF:97592.6/7

Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

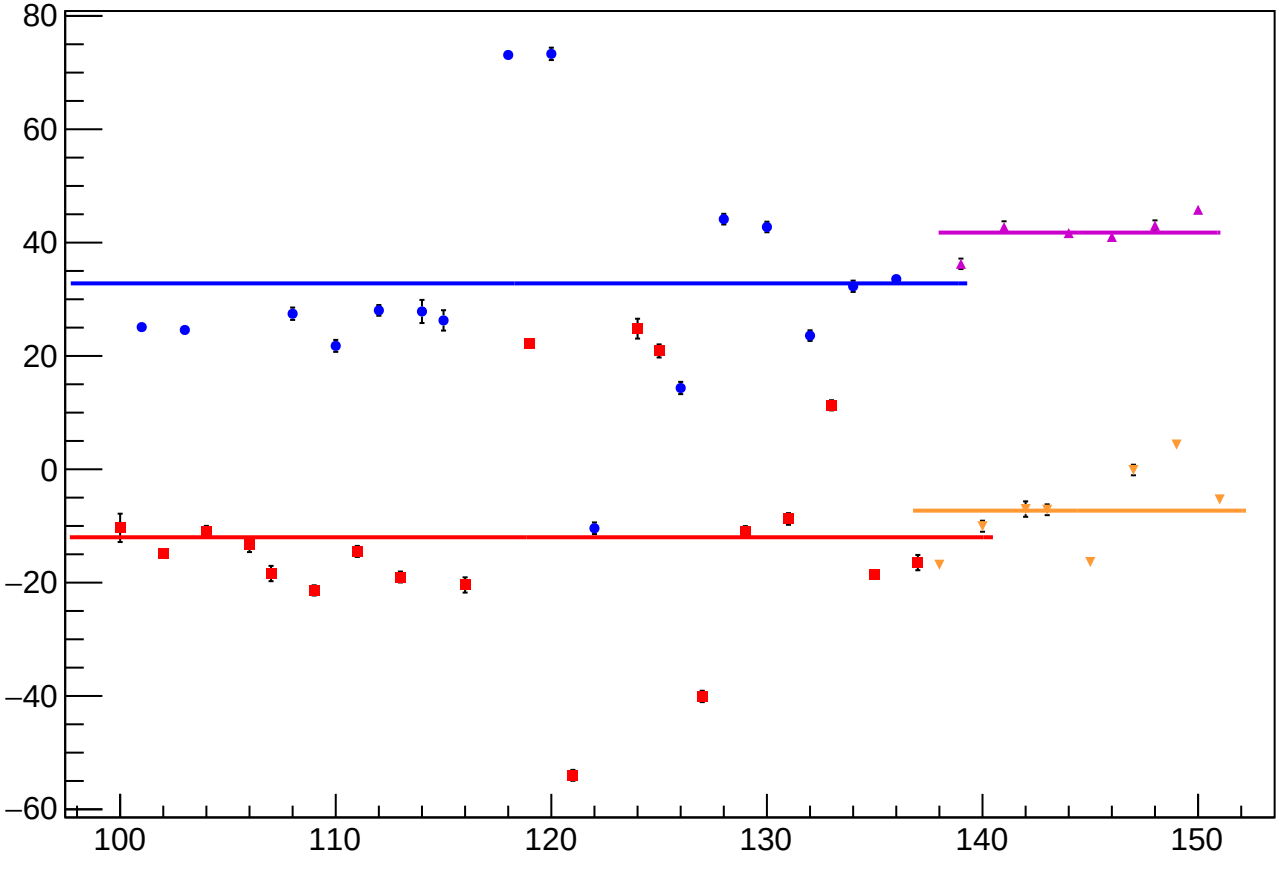
Left In: 1002.776+/-0.309 χ^2/NDF:12504.2/5

+ sign 841.672+/-0.164 χ^2/NDF: 464282.8/23

All: 844.908+/-0.118 χ^2/NDF: 898008.5/48

- sign 848.365+/-0.169 χ^2/NDF: 432917.9/24

diff_bpm1i04Y_mean vs Slug



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -7.296+/-0.320 χ^2/NDF:473.2/7

Right Out: -11.994+/-0.241 χ^2/NDF: 6559.7/18

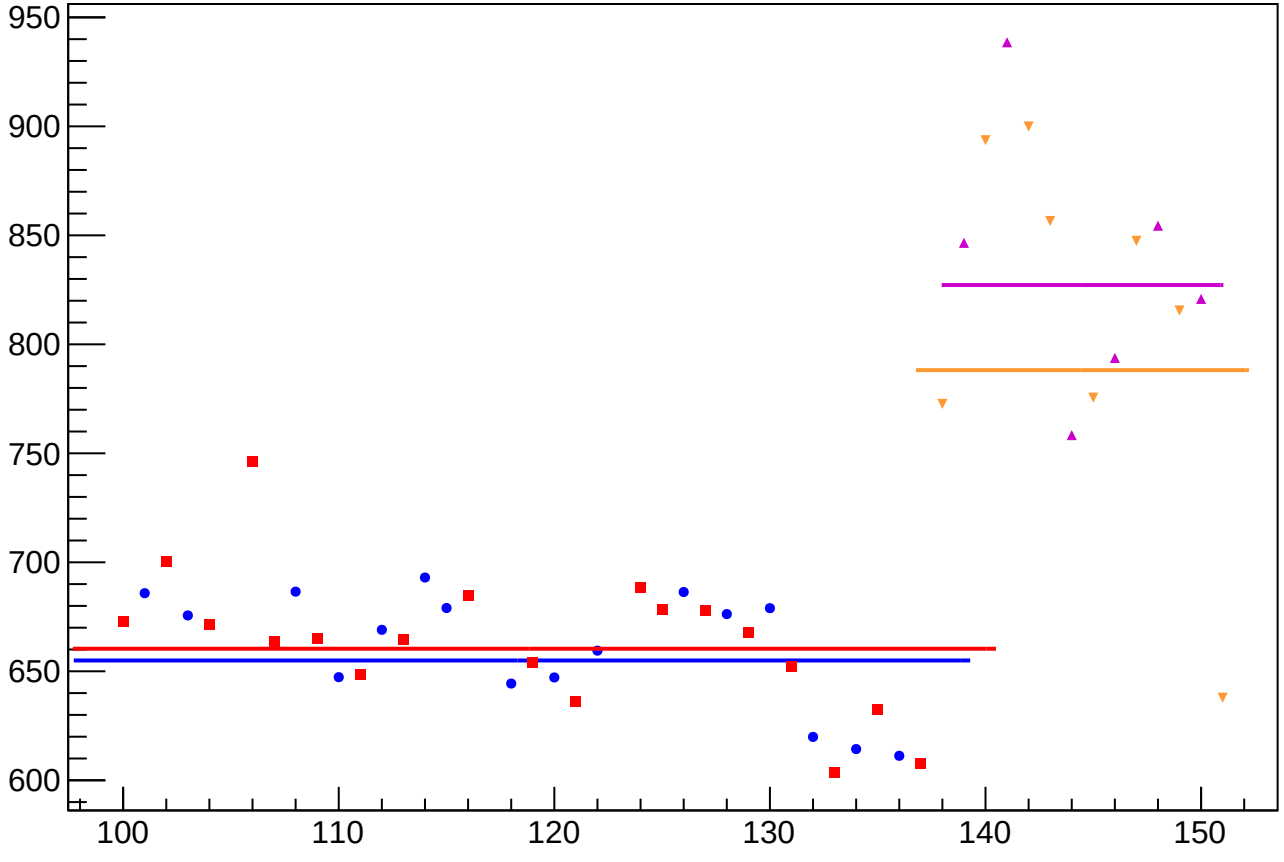
Left In: 41.768+/-0.363 χ^2/NDF:60.8/5

+ sign 18.070+/-0.194 χ^2/NDF: 16695.7/23

All: 11.510+/-0.139 χ^2/NDF: 40904.7/48

- sign 4.452+/-0.201 χ^2/NDF: 21827.5/24

diff_bpm1i04Y_rms vs Slug



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 788.170+/-0.226 χ^2/NDF:151929.6/7

Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

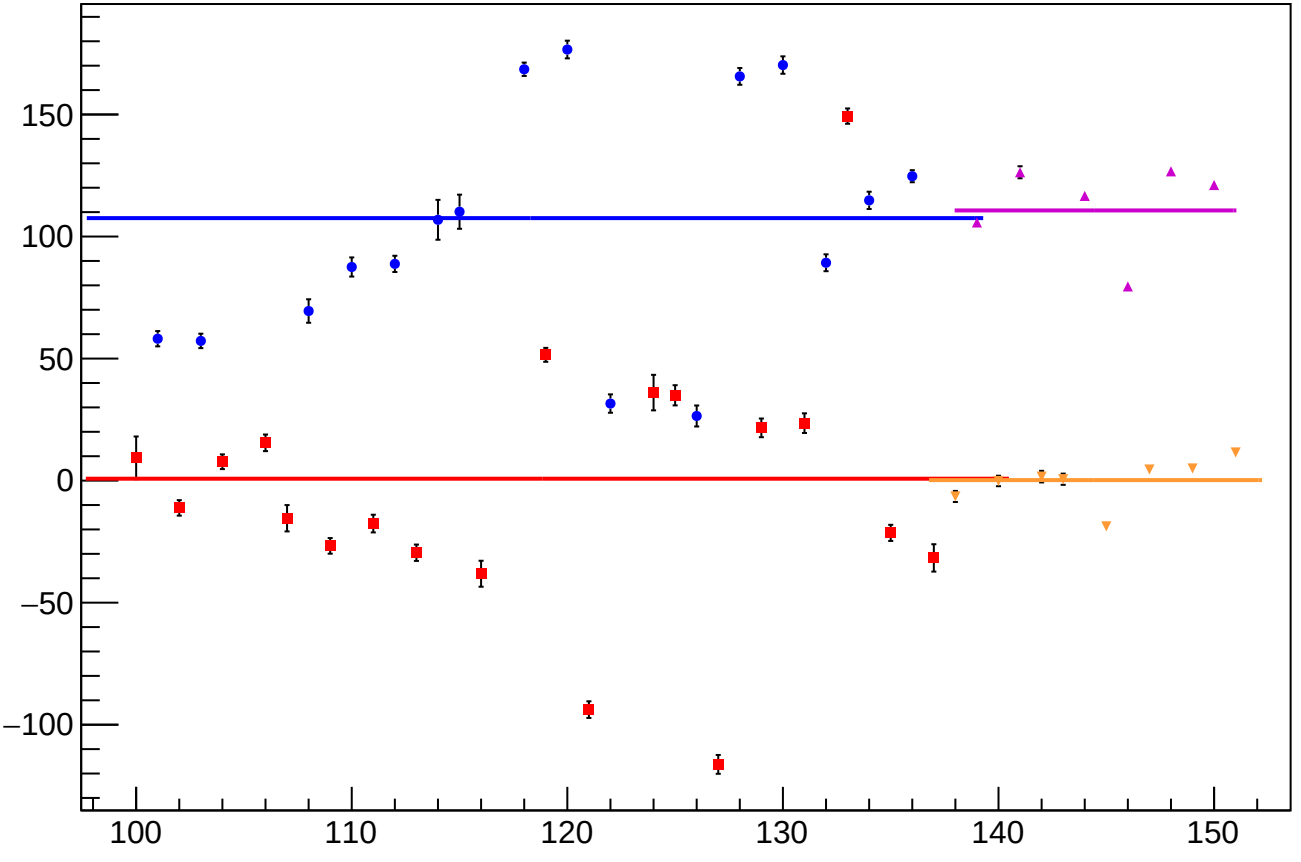
Left In: 827.199+/-0.257 χ^2/NDF:44303.7/5

+ sign 703.912+/-0.137 χ^2/NDF: 398538.5/23

All: 707.516+/-0.099 χ^2/NDF: 767617.3/48

- sign 711.393+/-0.142 χ^2/NDF: 367641.1/24

diff_bpm1i06X_mean vs Slug



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: 0.213+/-0.712 χ^2/NDF:149.0/7

Right Out: 0.788+/-0.861 χ^2/NDF: 4763.9/18

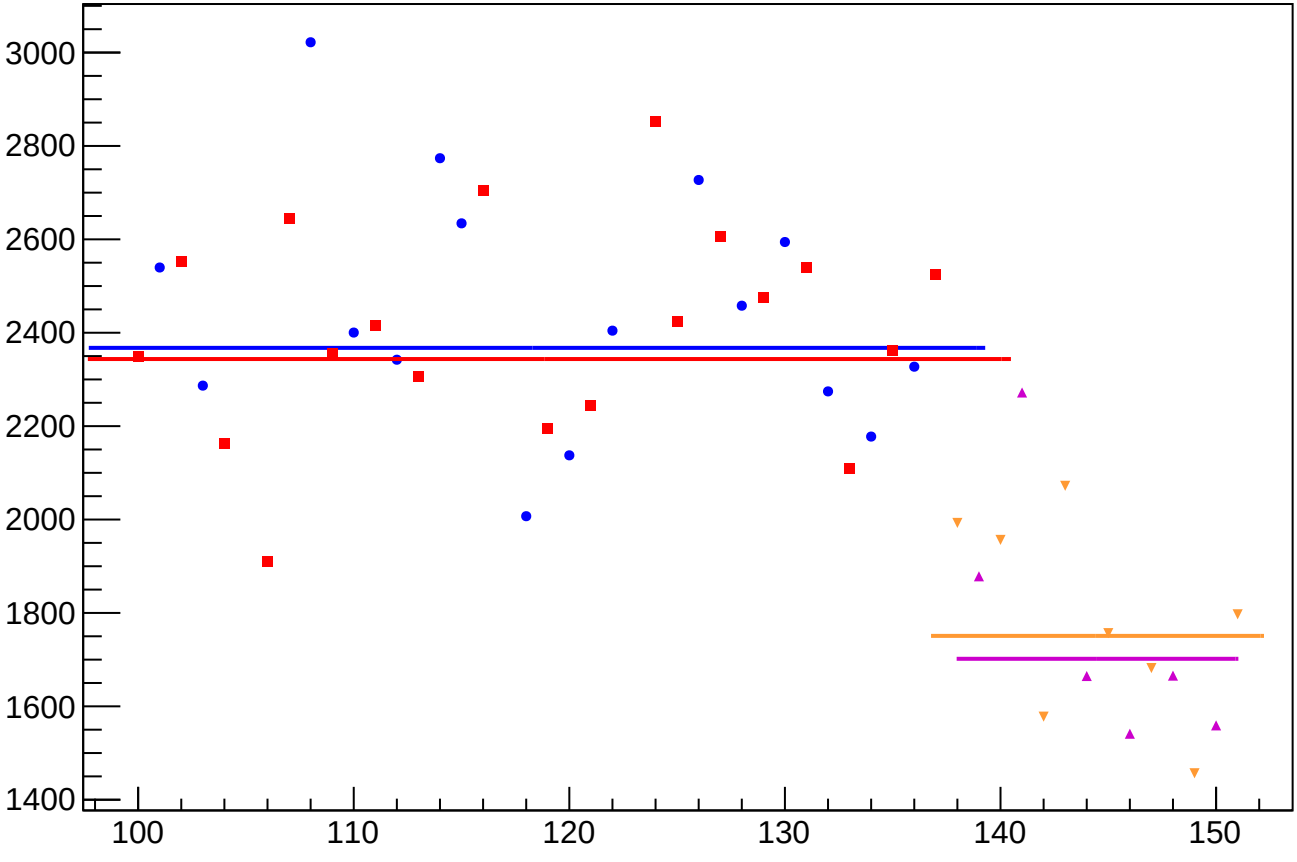
Left In: 110.693+/-0.755 χ^2/NDF:537.8/5

+ sign 42.403+/-0.555 χ^2/NDF: 12025.6/23

All: 52.435+/-0.397 χ^2/NDF: 27211.3/48

- sign 62.923+/-0.568 χ^2/NDF: 14517.5/24

diff_bpm1i06X_rms vs Slug



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 1750.866+/-0.504 χ^2/NDF:162318.4/7

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

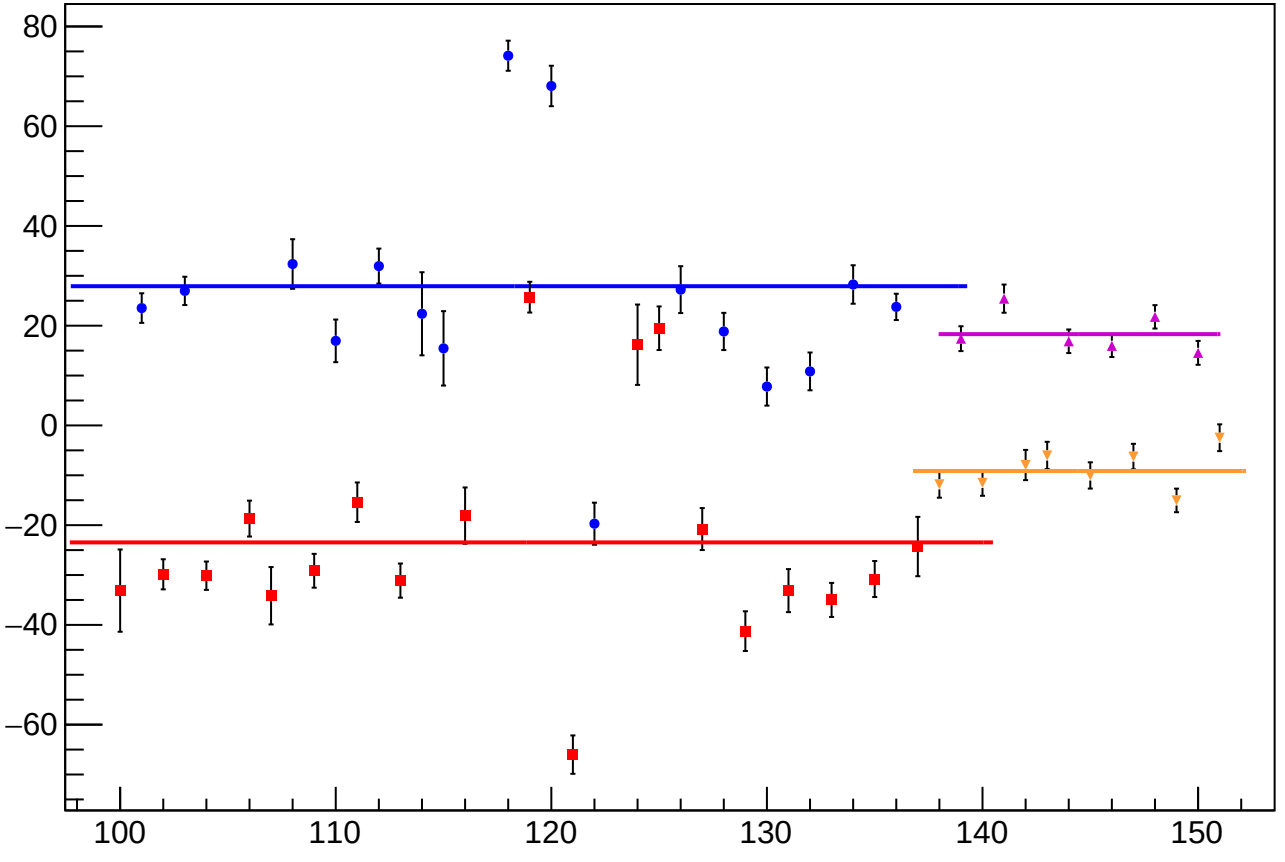
Left In: 1701.793+/-0.534 χ^2/NDF:157689.0/5

+ sign 1993.297+/-0.392 χ^2/NDF: 878190.7/23

All: 1987.186+/-0.281 χ^2/NDF: 1777396.3/48

- sign 1980.797+/-0.401 χ^2/NDF: 898709.7/24

diff_bpm1i06Y_mean vs Slug



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -9.137+/-0.934 χ^2/NDF:17.1/7

Right Out: -23.457+/-0.903 χ^2/NDF: 567.9/18

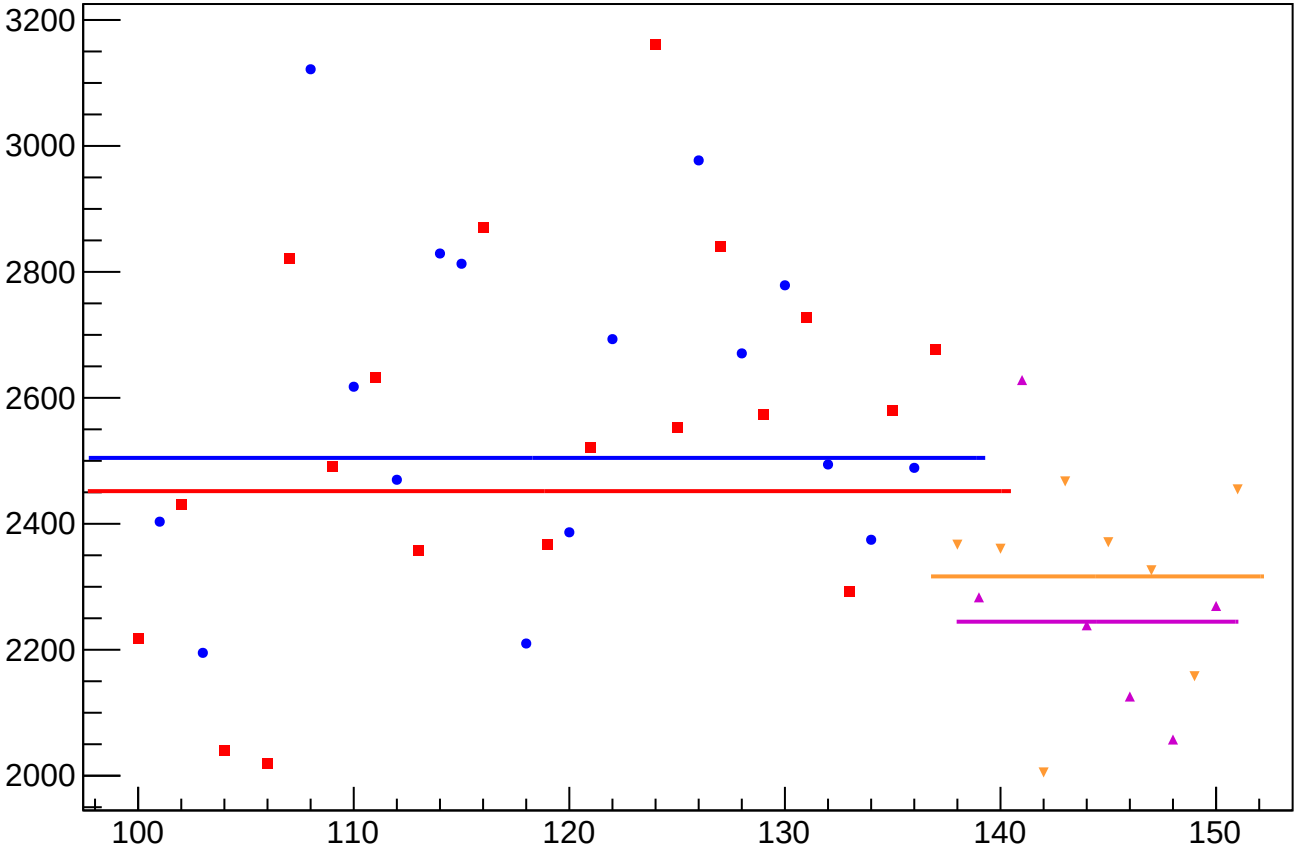
Left In: 18.304+/-0.991 χ^2/NDF:12.6/5

+ sign 9.341+/-0.662 χ^2/NDF: 1332.1/23

All: 2.472+/-0.470 χ^2/NDF: 3101.0/48

- sign -4.515+/-0.667 χ^2/NDF: 1551.4/24

diff_bpm1i06Y_rms vs Slug



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2316.476+/-0.661 χ^2/NDF:43640.1/7

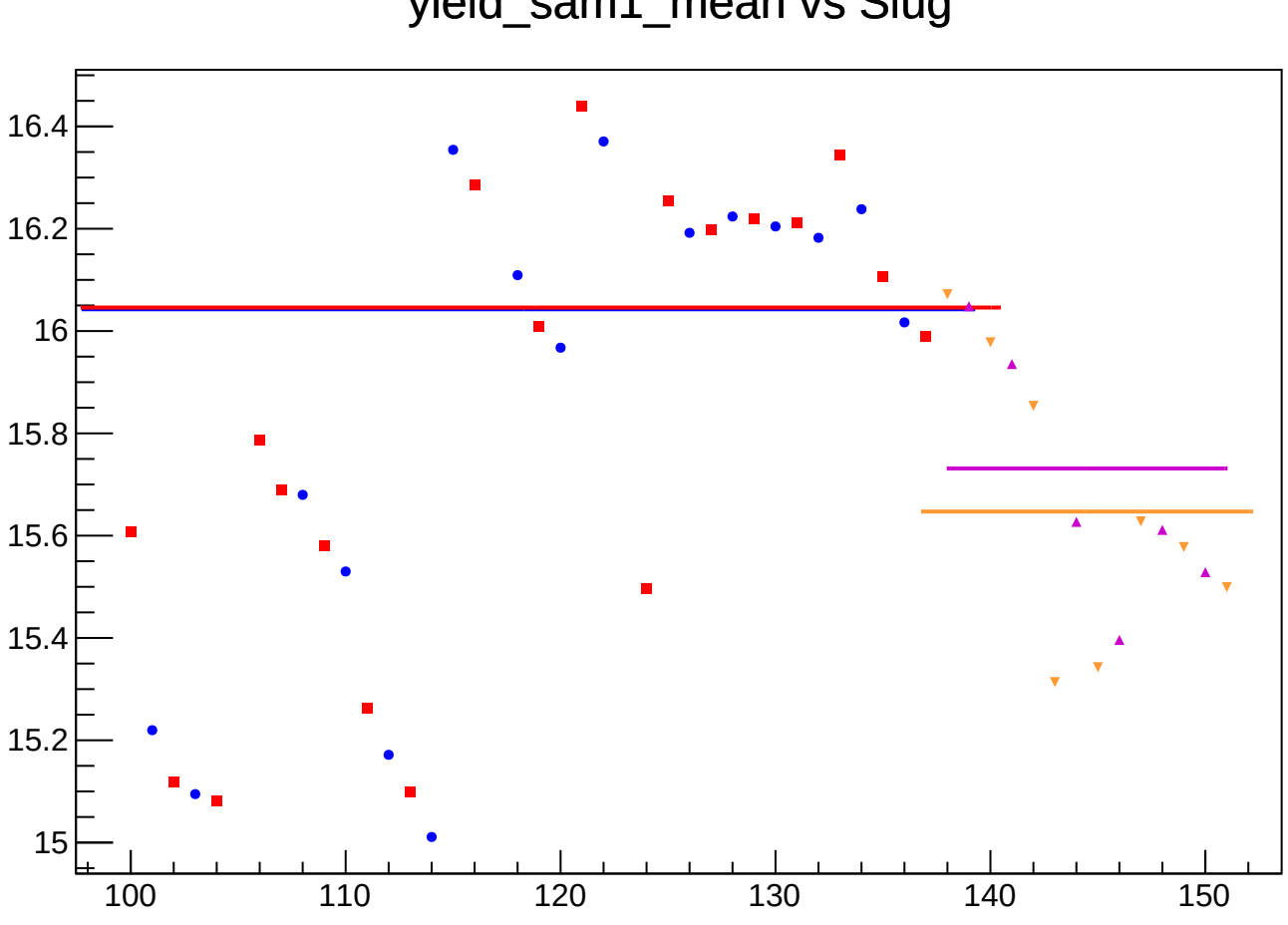
Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2244.568+/-0.701 χ^2/NDF:55812.7/5

+ sign 2410.319+/-0.468 χ^2/NDF: 210698.0/23

All: 2384.307+/-0.332 χ^2/NDF: 473841.5/48

- sign 2357.845+/-0.472 χ^2/NDF: 256905.2/24



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.647+/-0.000 χ^2/NDF:4381803847.2/7

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

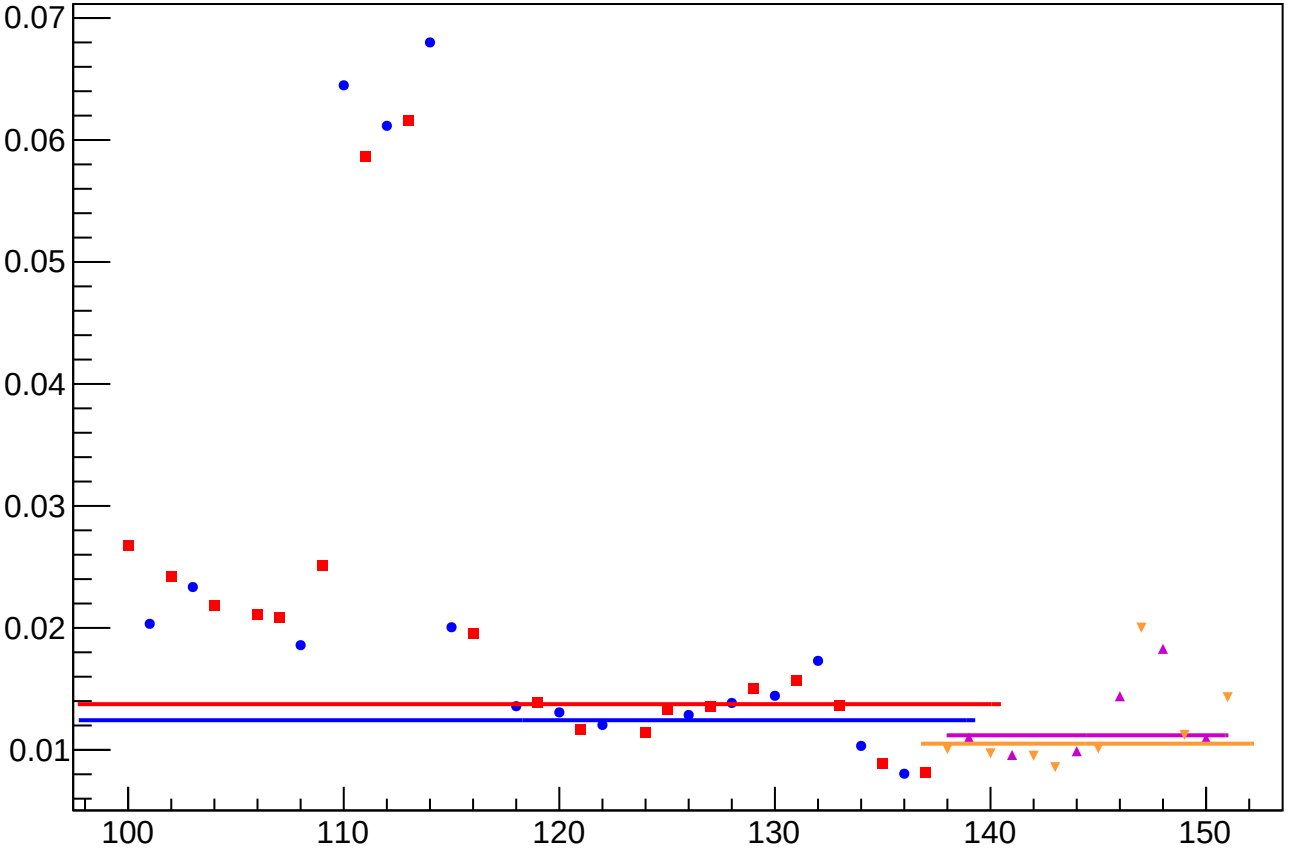
Left In: 15.731+/-0.000 χ^2/NDF:1910424604.3/5

+ sign 15.811+/-0.000 χ^2/NDF: 10484476985.0/23

All: 15.837+/-0.000 χ^2/NDF: 17742522984.7

- sign 15.871+/-0.000 χ^2/NDF: 7123359689.2/24

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:579026.6/7

Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

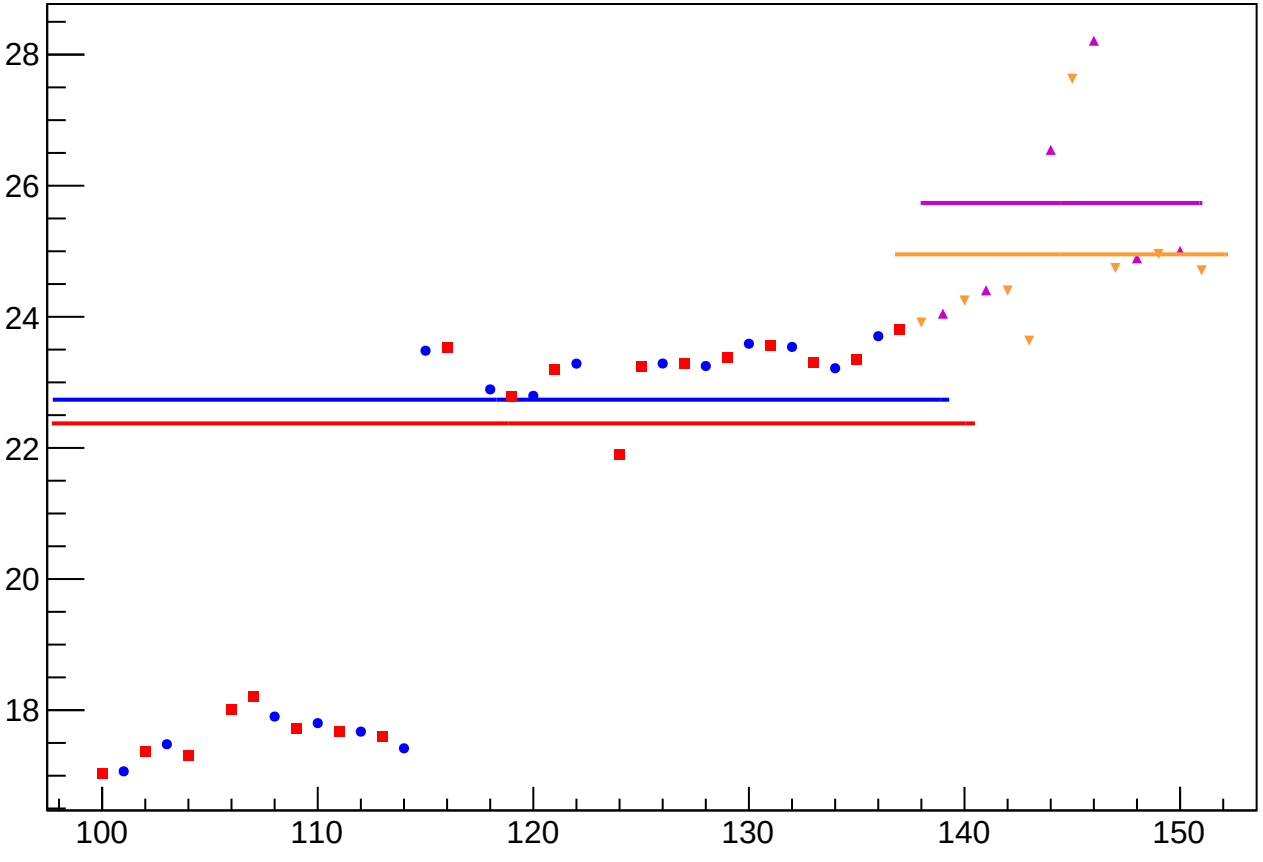
Left In: 0.011+/-0.000 χ^2/NDF:395274.1/5

+ sign 0.011+/-0.000 χ^2/NDF: 3050143.8/23

All: 0.012+/-0.000 χ^2/NDF: 5973905.2/48

- sign 0.012+/-0.000 χ^2/NDF: 2844756.8/24

yield_sam2_mean vs Slug



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 24.953+/-0.000 χ^2/NDF:762642326.4/7

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

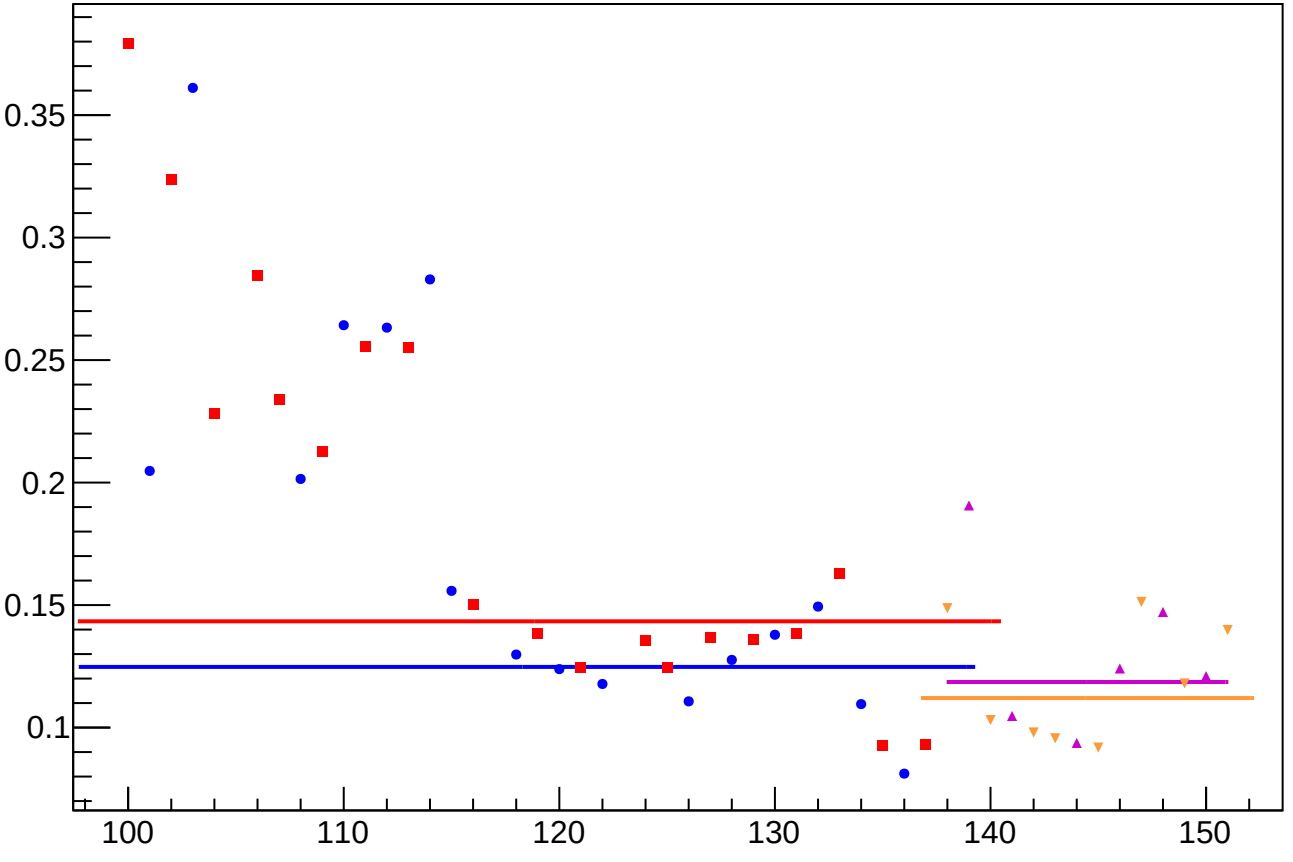
Left In: 25.737+/-0.000 χ^2/NDF:600506978.0/5

+ sign 23.935+/-0.000 χ^2/NDF: 2896612093.3/23

All: 24.031+/-0.000 χ^2/NDF: 6397514503.7/4

- sign 24.151+/-0.000 χ^2/NDF: 3485489639.0/24

yield_sam2_rms vs Slug



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.112+/-0.000 χ^2/NDF:376773.8/7

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

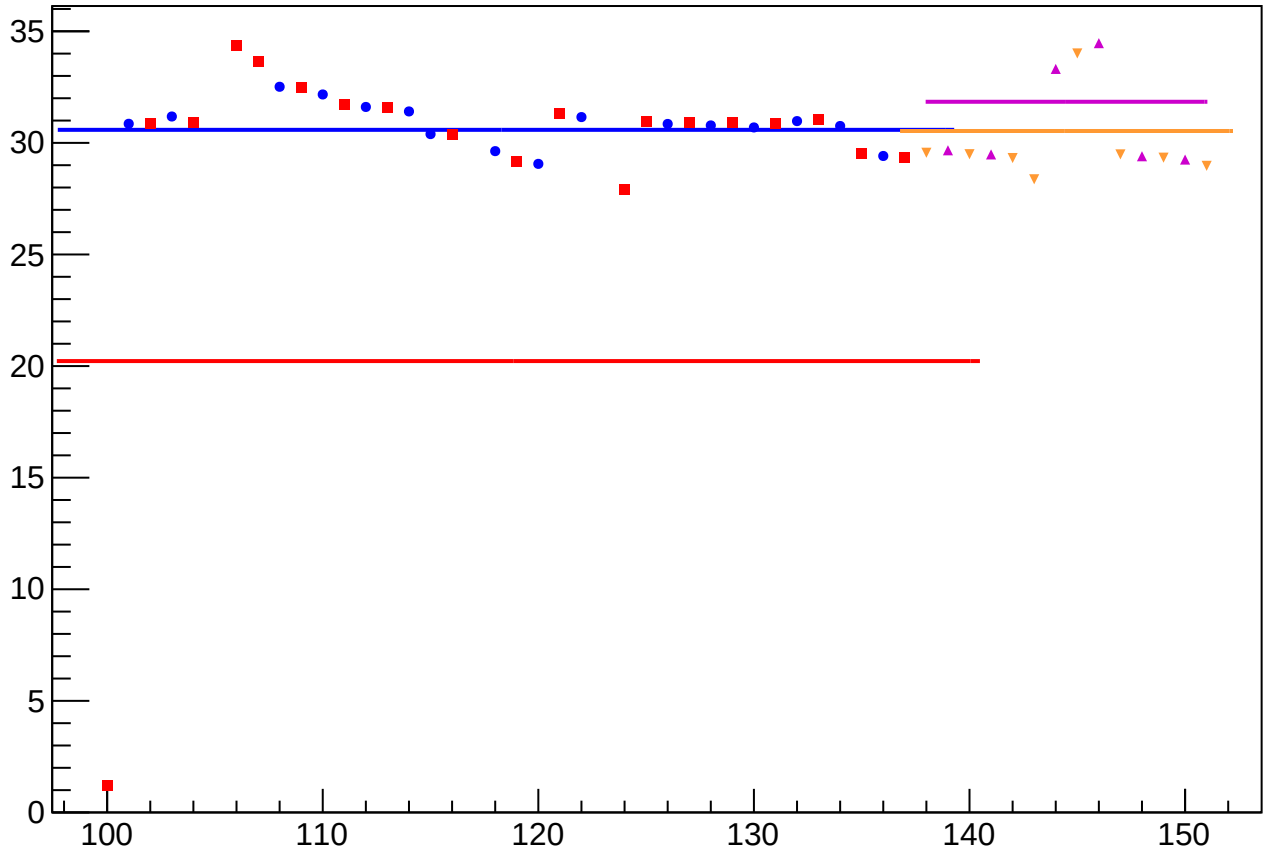
Left In: 0.119+/-0.000 χ^2/NDF:430712.6/5

+ sign 0.118+/-0.000 χ^2/NDF: 2186698.9/23

All: 0.123+/-0.000 χ^2/NDF: 4470368.1/48

- sign 0.130+/-0.000 χ^2/NDF: 2181931.1/24

yield_sam3_mean vs Slug



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 30.533+/-0.000 χ^2/NDF:4830039441.8/7

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

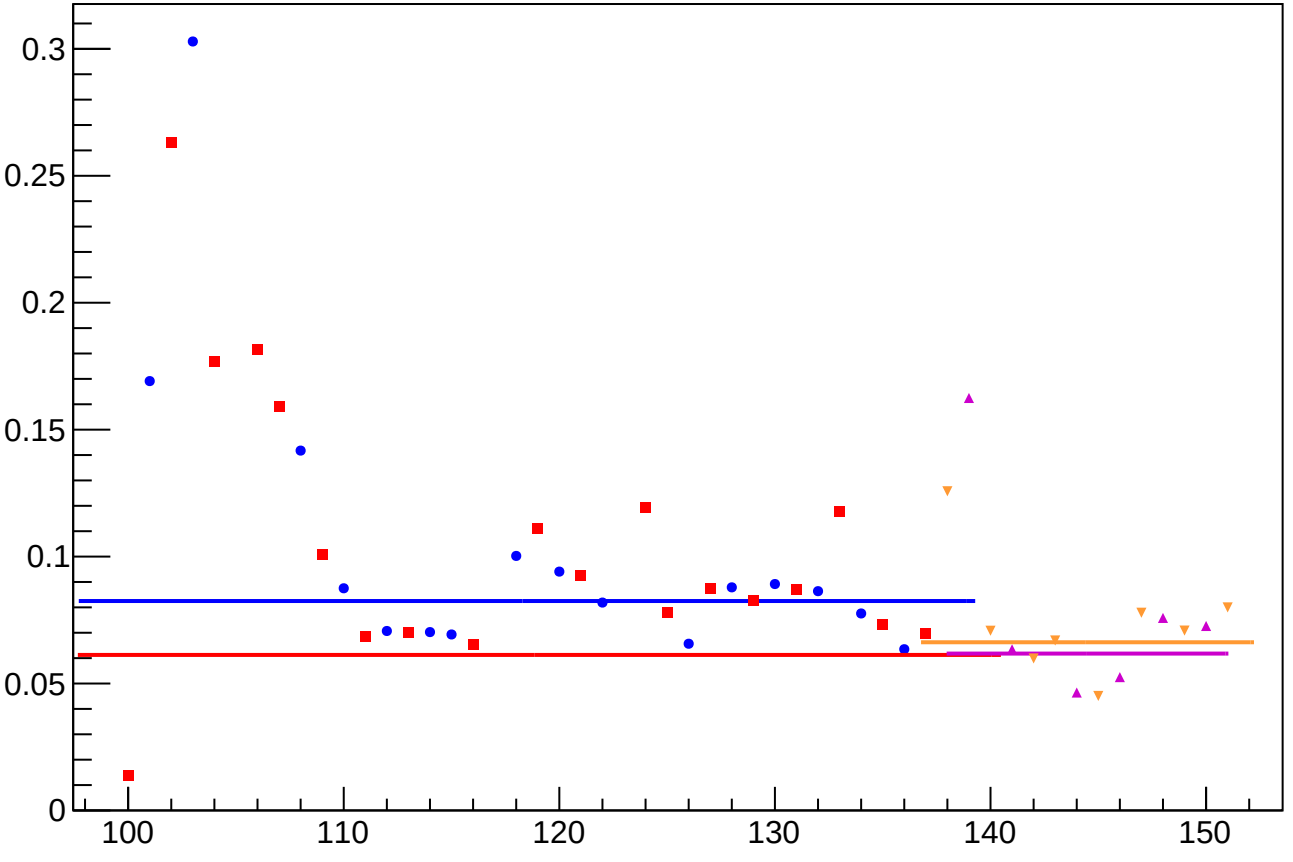
Left In: 31.842+/-0.000 χ^2/NDF:4834593178.8/5

+ sign 30.555+/-0.000 χ^2/NDF: 5483469852.0/23

All: 27.924+/-0.000 χ^2/NDF: 322931553610.

- sign 25.639+/-0.000 χ^2/NDF: 294556082503.9/24

yield_sam3_rms vs Slug



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

Left Out: 0.066+/-0.000 χ^2/NDF:629617.0/7

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

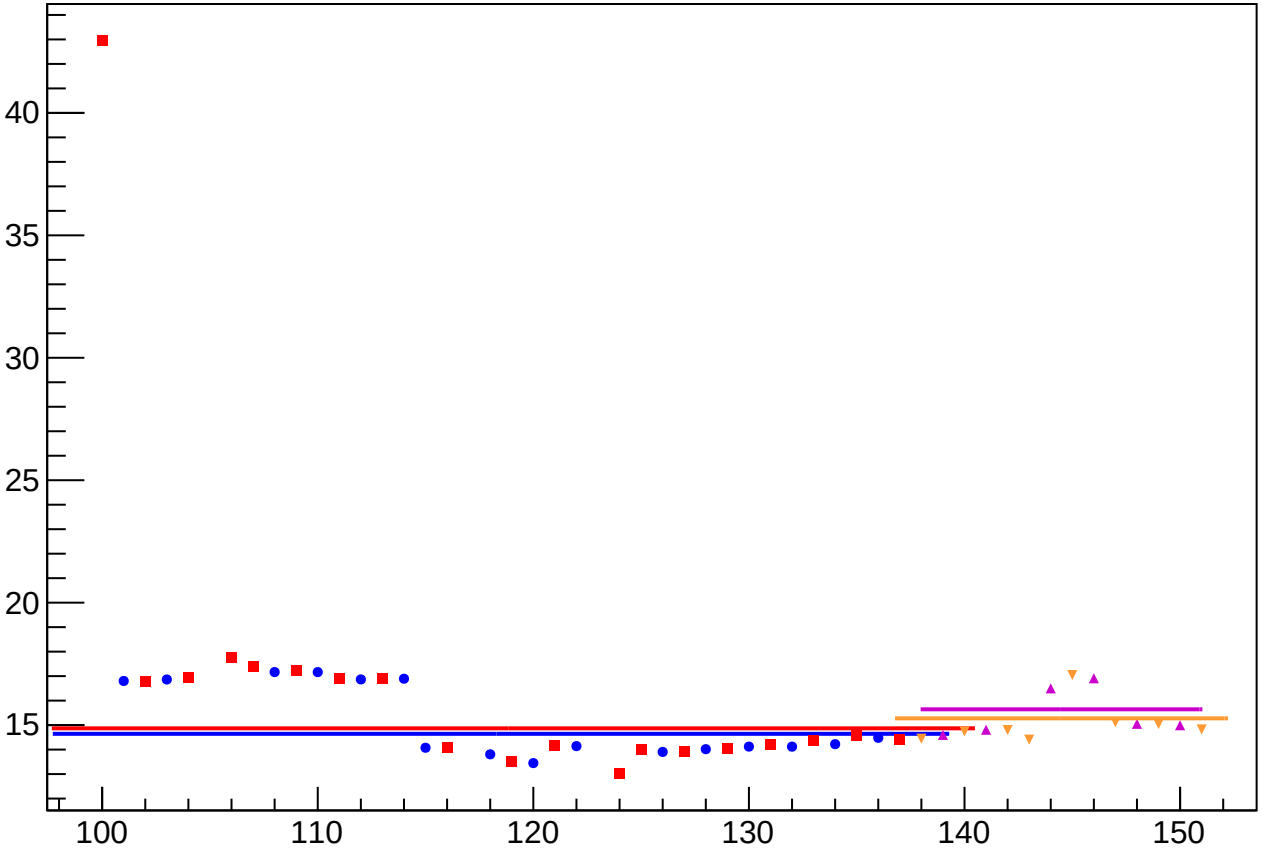
Left In: 0.062+/-0.000 χ^2/NDF:889589.8/5

+ sign 0.073+/-0.000 χ^2/NDF: 2120949.9/23

All: 0.067+/-0.000 χ^2/NDF: 7290977.3/48

- sign 0.062+/-0.000 χ^2/NDF: 4904179.8/24

yield_sam4_mean vs Slug



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 15.276+/-0.000 χ^2/NDF:943776557.2/7

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

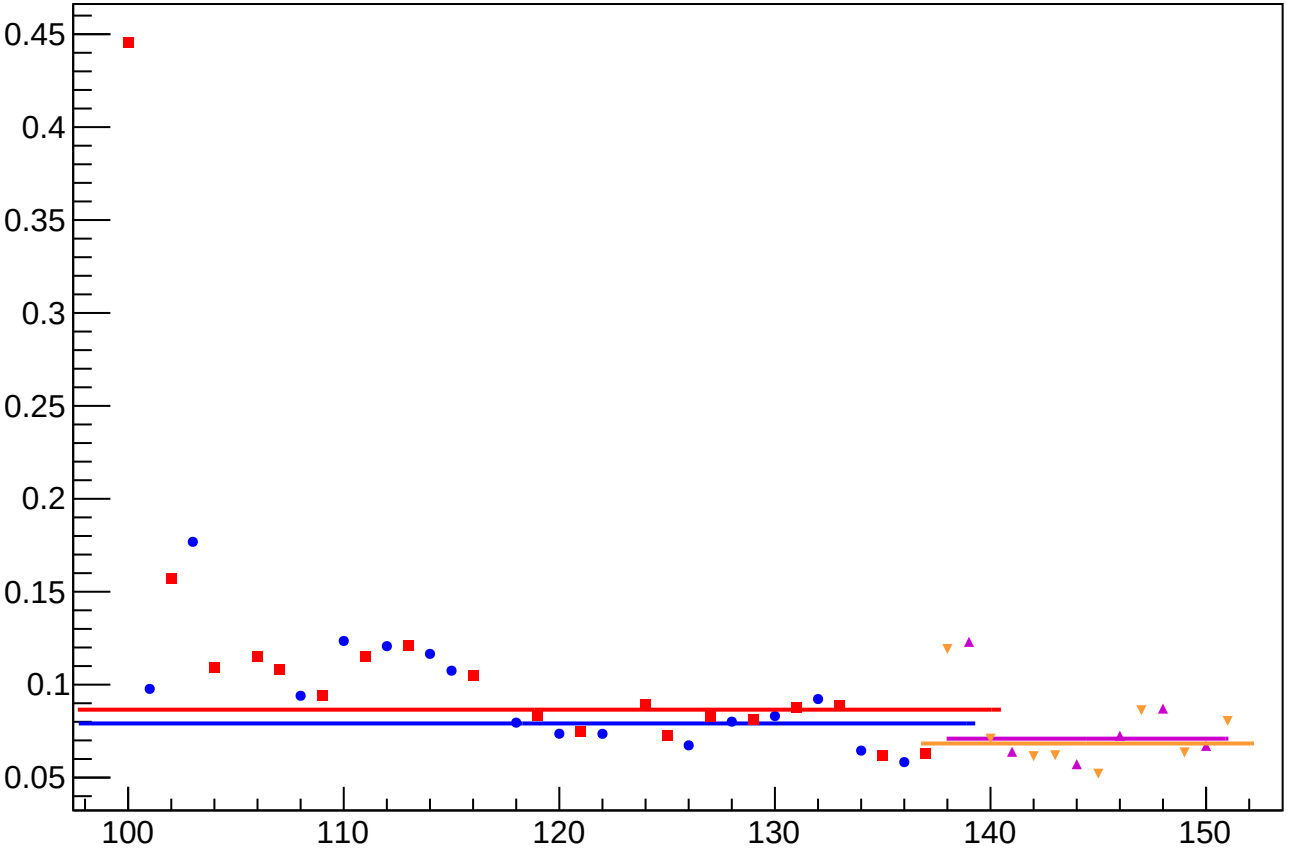
Left In: 15.645+/-0.000 χ^2/NDF:663724810.8/5

+ sign 14.976+/-0.000 χ^2/NDF: 2334174399.3/23

All: 15.106+/-0.000 χ^2/NDF: 5052077295.7/4

- sign 15.261+/-0.000 χ^2/NDF: 2644355854.4/24

yield_sam4_rms vs Slug



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

Left Out: 0.068+/-0.000 χ^2/NDF:508538.9/7

Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

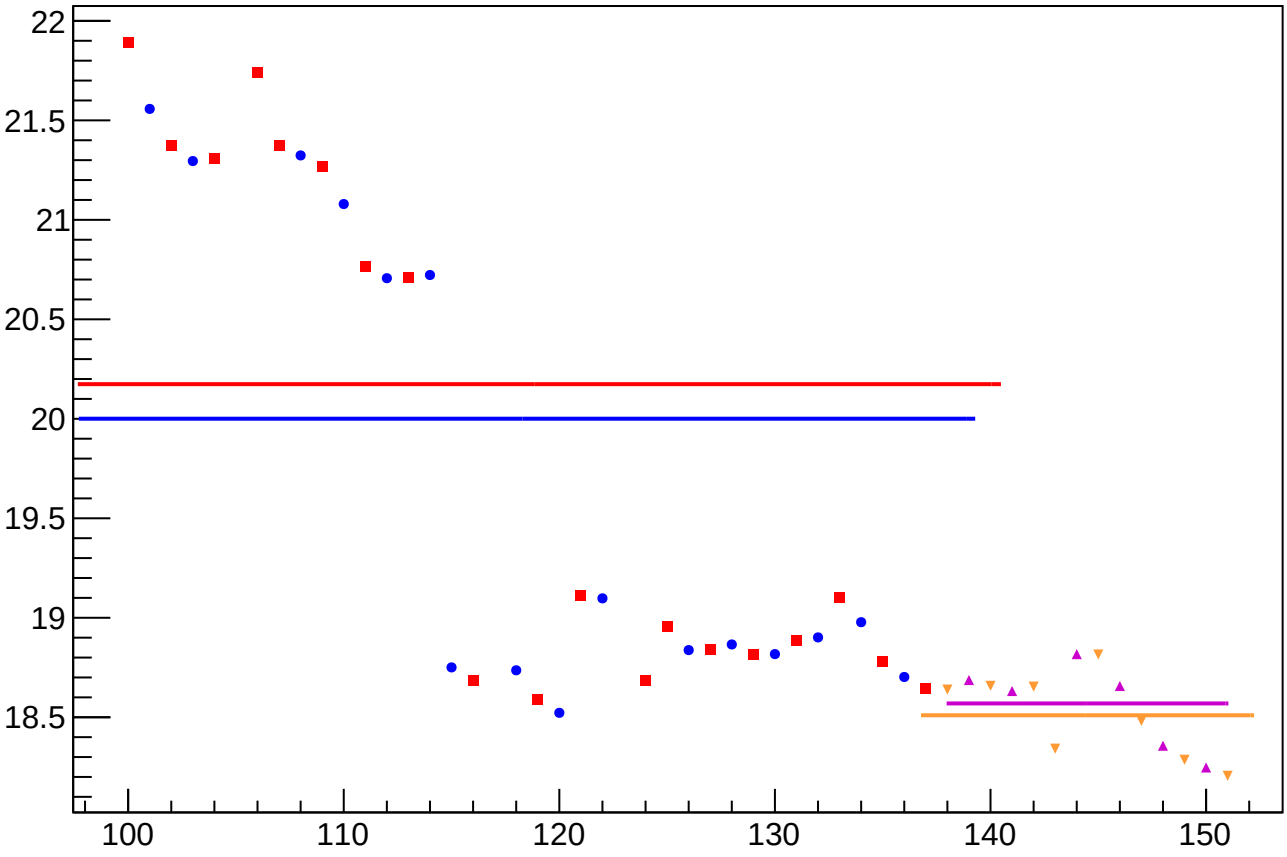
Left In: 0.071+/-0.000 χ^2/NDF:446474.3/5

+ sign 0.073+/-0.000 χ^2/NDF: 1541402.2/23

All: 0.076+/-0.000 χ^2/NDF: 3031984.2/48

- sign 0.079+/-0.000 χ^2/NDF: 1441973.5/24

yield_sam5_mean vs Slug



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 18.510+/-0.000 χ^2/NDF:242221796.5/7

Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

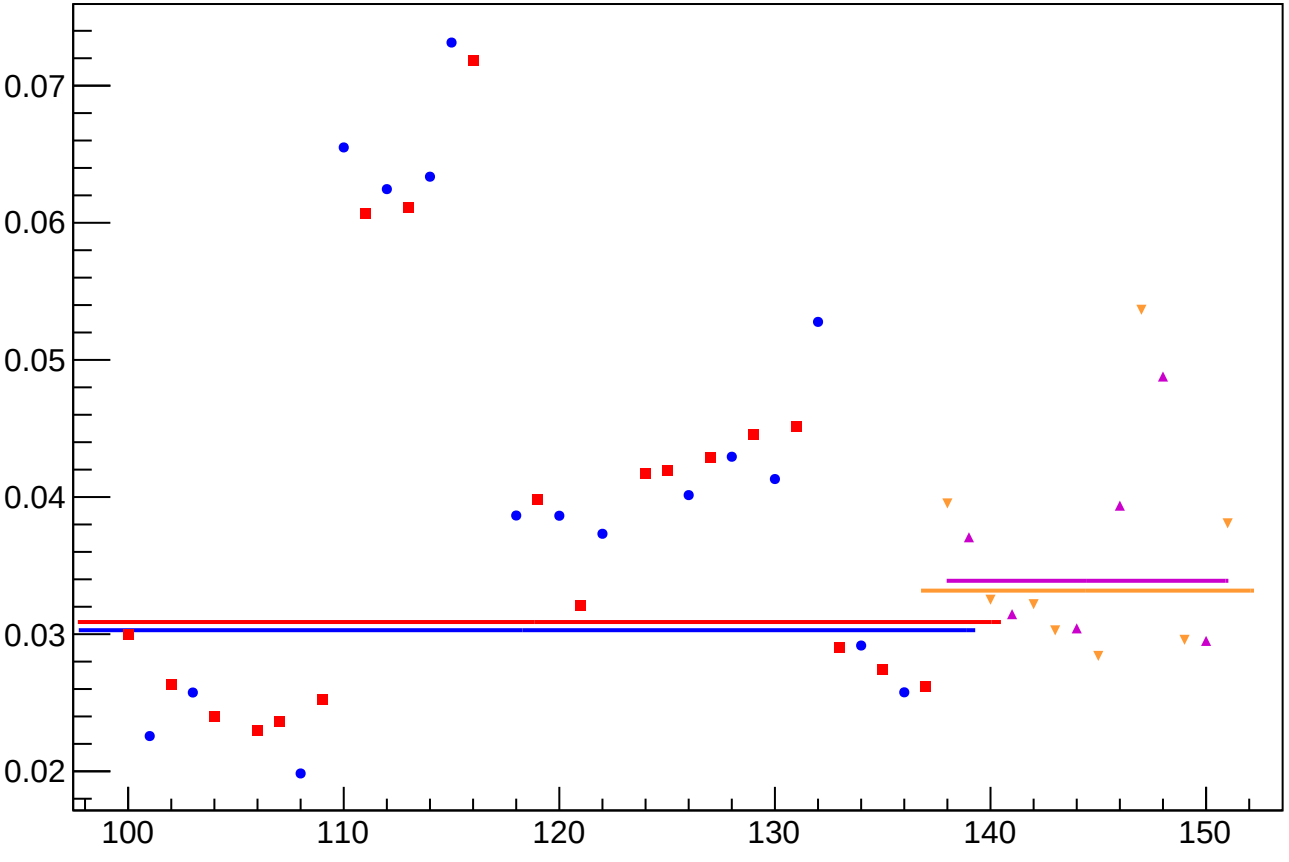
Left In: 18.569+/-0.000 χ^2/NDF:191956946.1/5

+ sign 19.340+/-0.000 χ^2/NDF: 17523844255.4/23

All: 19.437+/-0.000 χ^2/NDF: 34978594210.4

- sign 19.543+/-0.000 χ^2/NDF: 17223543005.8/24

yield_sam5_rms vs Slug



Right In: 0.030+/-0.000 χ^2/NDF: 1447374.9/15

Left Out: 0.033+/-0.000 χ^2/NDF:381020.9/7

Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

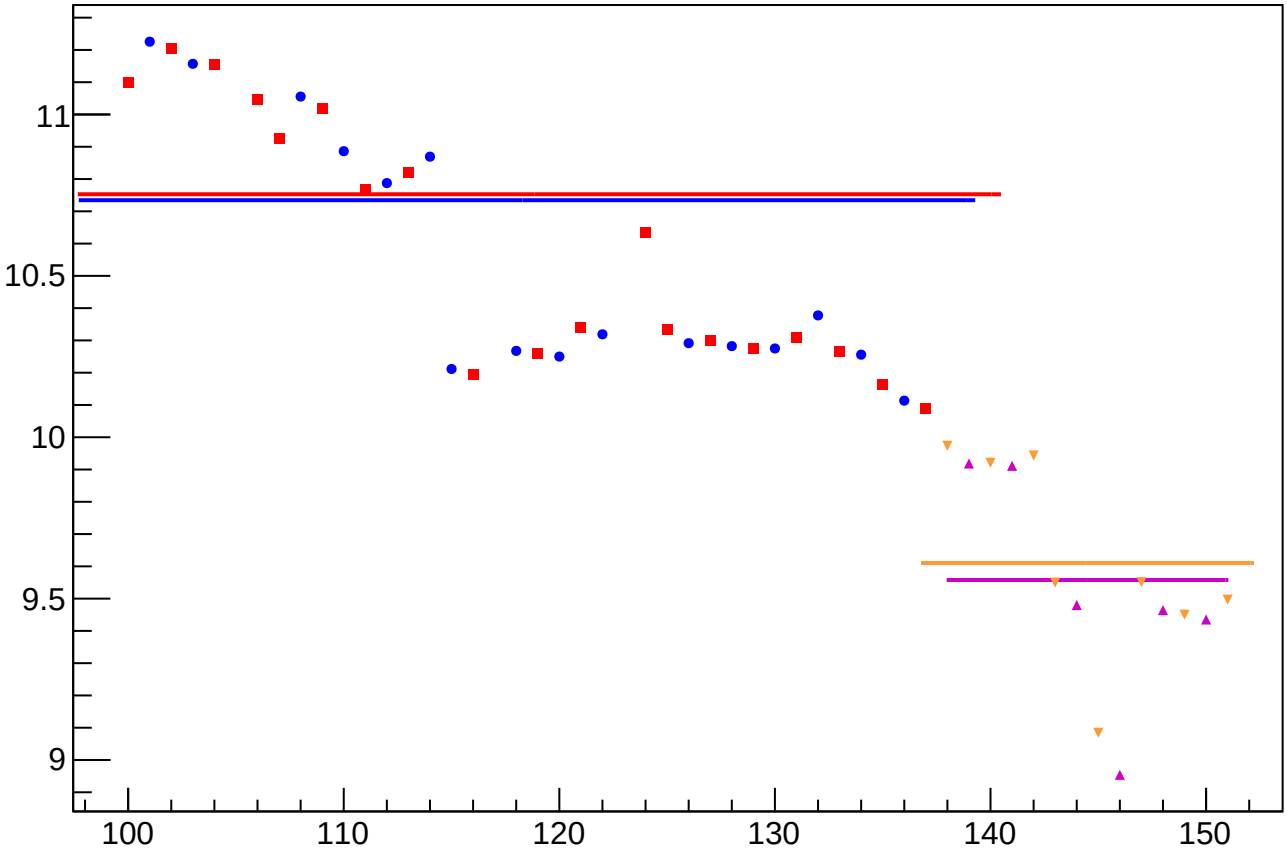
Left In: 0.034+/-0.000 χ^2/NDF:261581.4/5

+ sign 0.032+/-0.000 χ^2/NDF: 1876404.0/23

All: 0.032+/-0.000 χ^2/NDF: 3391872.5/48

- sign 0.032+/-0.000 χ^2/NDF: 1512676.6/24

yield_sam6_mean vs Slug



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.610+/-0.000 χ^2/NDF:1157118018.8/7

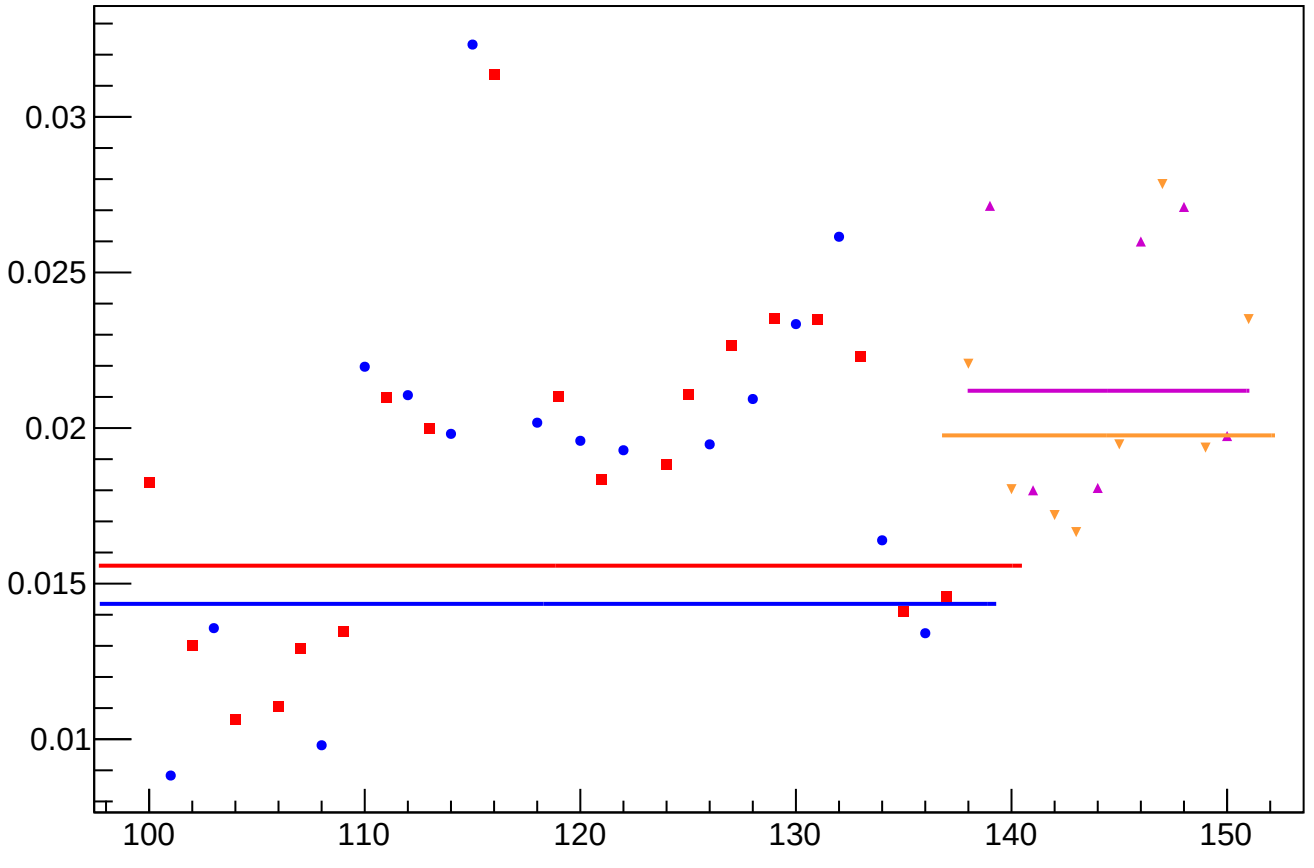
Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

Left In: 9.558+/-0.000 χ^2/NDF:948531738.4/5

\+ sign 10.355+/-0.000 χ^2/NDF: 18809841997.7/23

All: 10.378+/-0.000 χ^2/NDF: 34754461677.8

\- sign 10.405+/-0.000 χ^2/NDF: 15896469435.4/24



Right In: 0.014+/-0.000 χ^2/NDF: 1481790.8/15

Left Out: 0.020+/-0.000 χ^2/NDF:271571.1/7

Right Out: 0.016+/-0.000 χ^2/NDF: 1071979.1/18

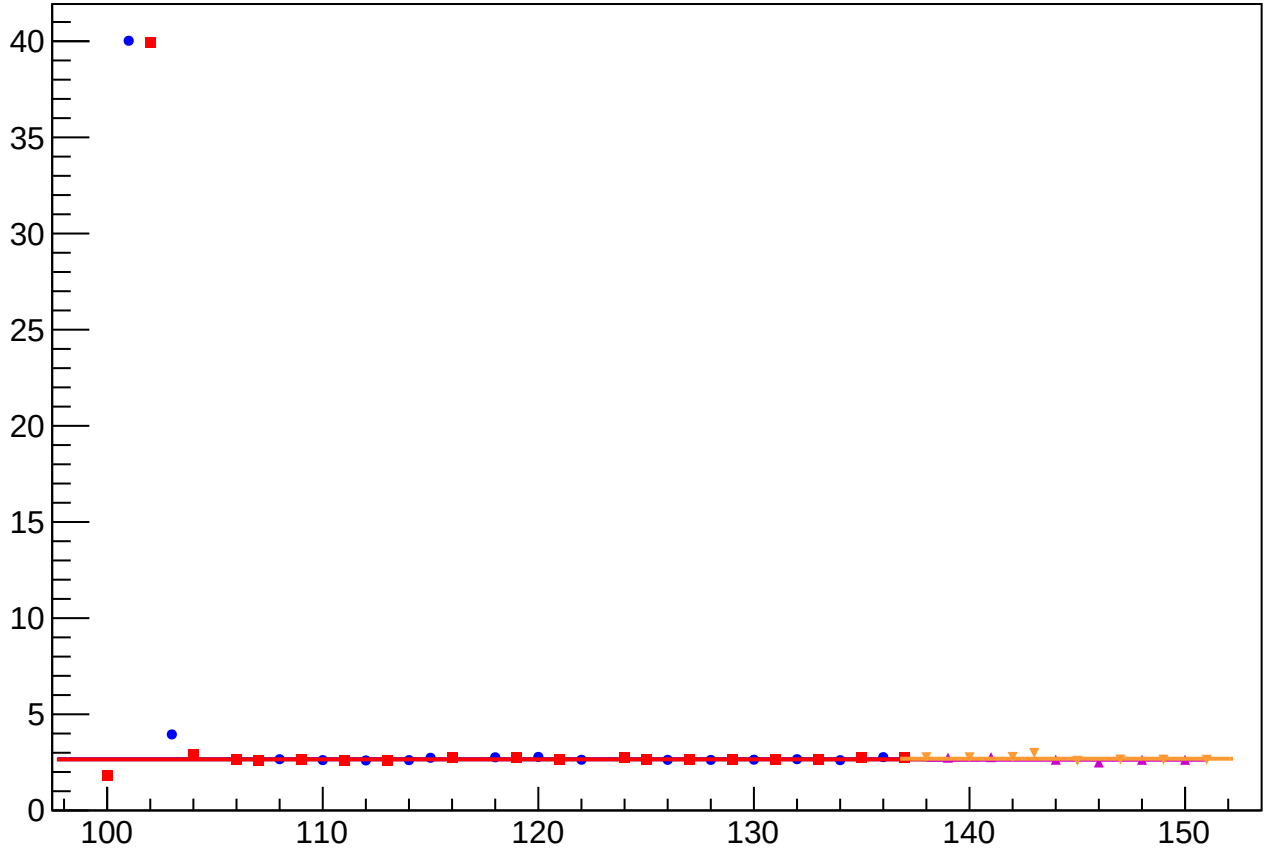
Left In: 0.021+/-0.000 χ^2/NDF:317283.8/5

+ sign 0.016+/-0.000 χ^2/NDF: 2299815.4/23

All: 0.017+/-0.000 χ^2/NDF: 4199857.2/48

- sign 0.017+/-0.000 χ^2/NDF: 1858577.8/24

yield_sam7_mean vs Slug



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.690+/-0.000 χ^2/NDF:15023544235.5/7

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

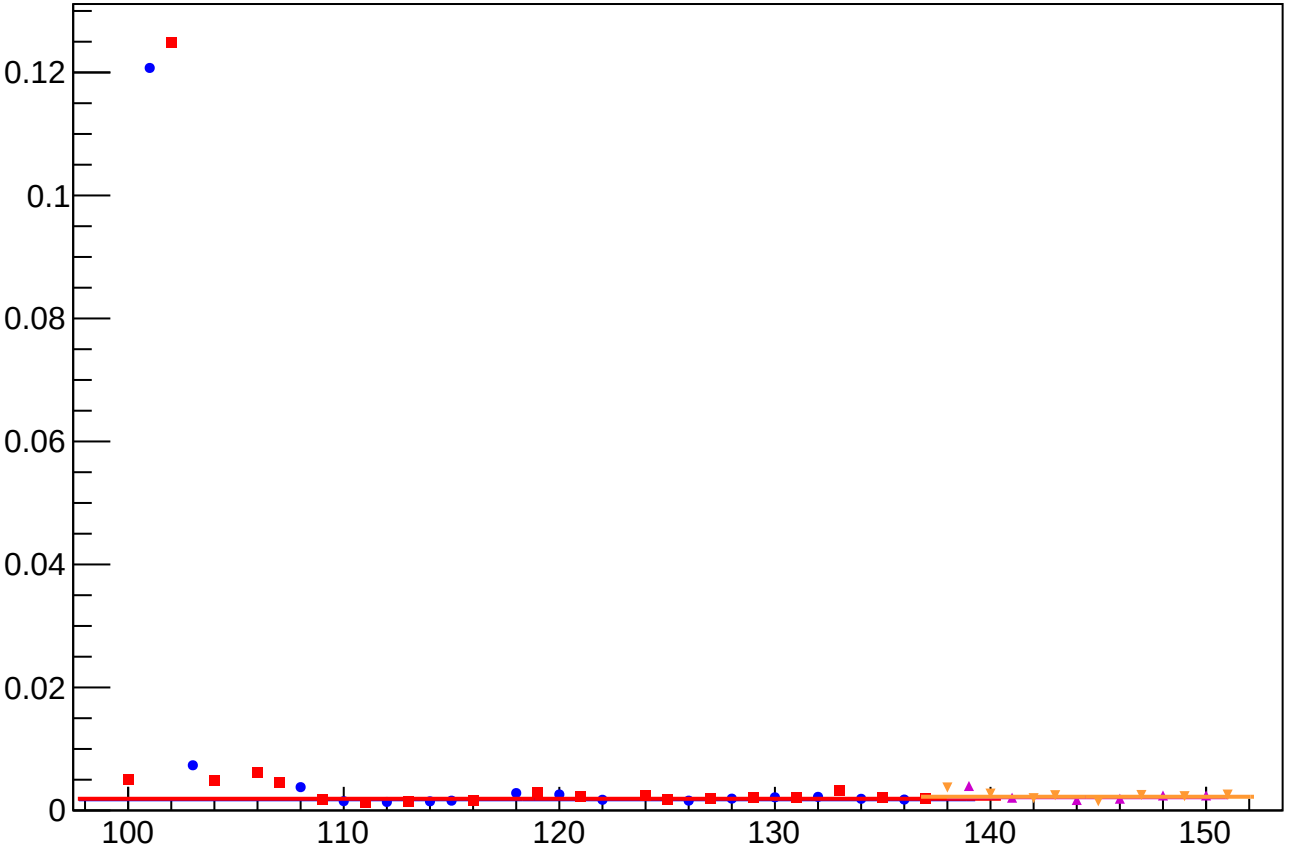
Left In: 2.637+/-0.000 χ^2/NDF:7319081884.5/5

+ sign 2.674+/-0.000 χ^2/NDF: 83269432857.0/23

All: 2.662+/-0.000 χ^2/NDF: 156605898226.1

- sign 2.649+/-0.000 χ^2/NDF: 72580985462.7/24

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:647486.4/7

Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

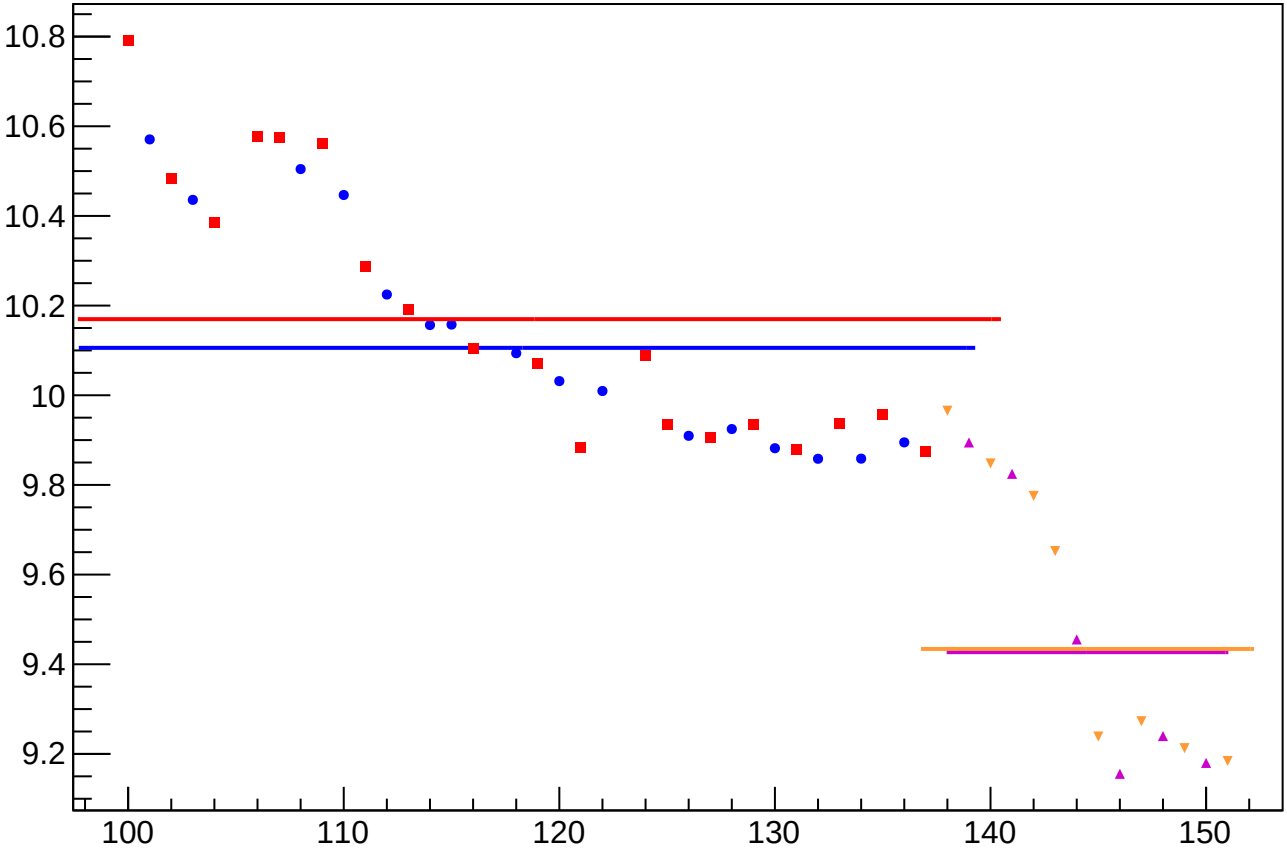
Left In: 0.002+/-0.000 χ^2/NDF:498232.5/5

+ sign 0.002+/-0.000 χ^2/NDF: 2667663.3/23

All: 0.002+/-0.000 χ^2/NDF: 5758716.3/48

- sign 0.002+/-0.000 χ^2/NDF: 3090462.3/24

yield_sam8_mean vs Slug



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 9.434+/-0.000 χ^2/NDF:8348054839.3/7

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

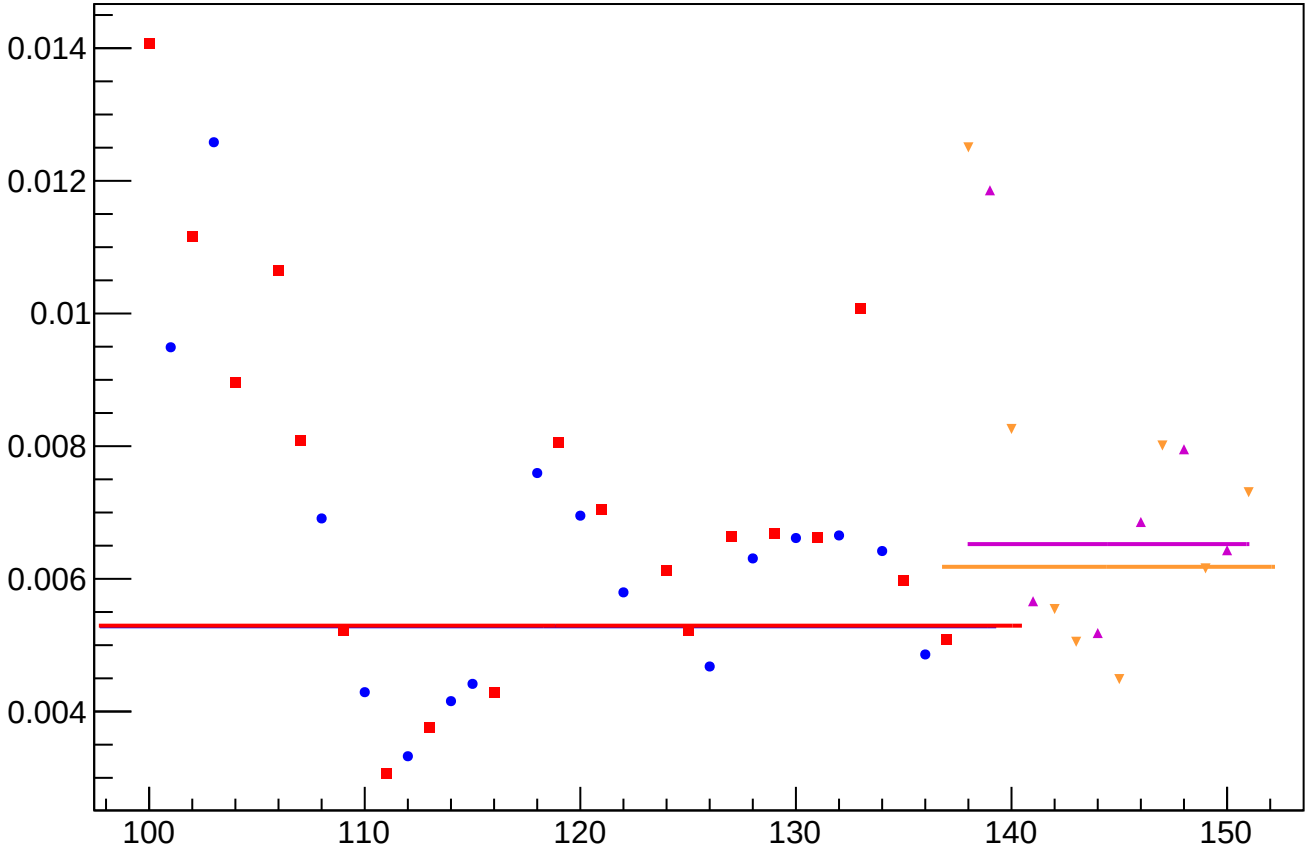
Left In: 9.427+/-0.000 χ^2/NDF:6987237089.7/5

+ sign 9.848+/-0.000 χ^2/NDF: 50996607078.8/23

All: 9.886+/-0.000 χ^2/NDF: 103522744904.0

- sign 9.927+/-0.000 χ^2/NDF: 51562873831.3/24

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:779988.6/7

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

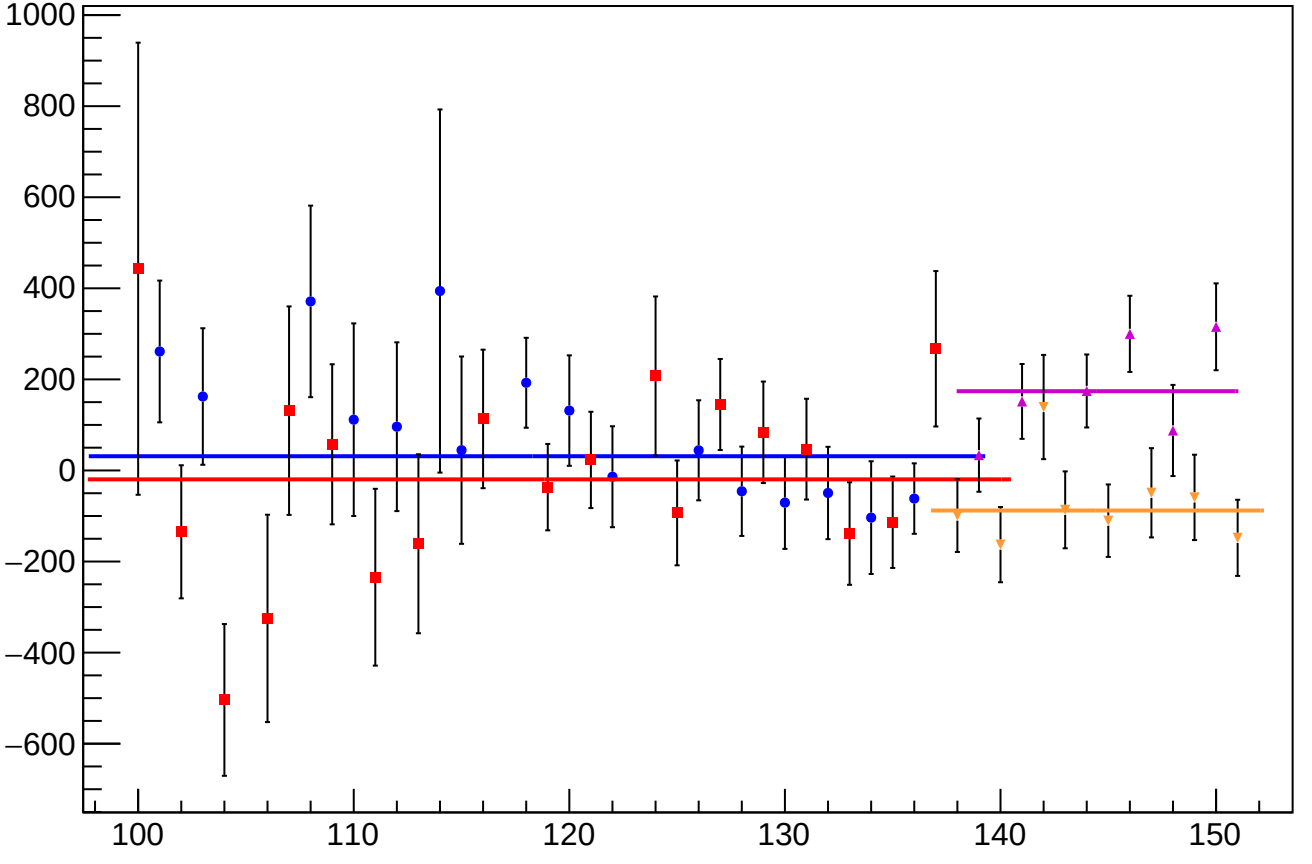
Left In: 0.007+/-0.000 χ^2/NDF:485884.6/5

+ sign 0.006+/-0.000 χ^2/NDF: 2173737.7/23

All: 0.006+/-0.000 χ^2/NDF: 4647443.0/48

- sign 0.006+/-0.000 χ^2/NDF: 2472386.3/24

reg_asym_sam1_mean vs Slug



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -87.921+/-31.026 χ^2/NDF:5.6/7

Right Out: -19.573+/-31.059 χ^2/NDF: 25.9/18

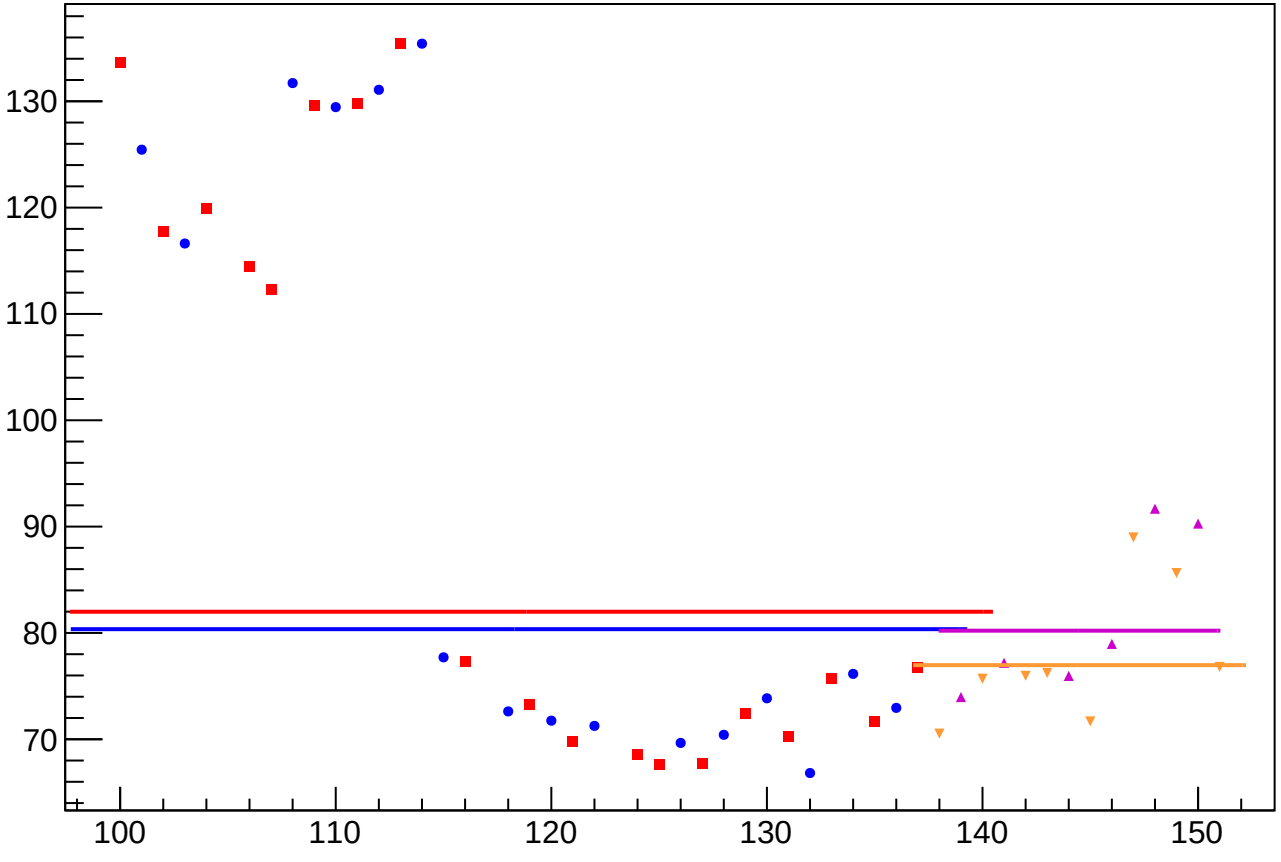
Left In: 174.023+/-35.110 χ^2/NDF:8.3/5

+ sign -27.874+/-21.853 χ^2/NDF: 28.1/23

All: 15.860+/-15.928 χ^2/NDF: 88.0/48

- sign 65.417+/-23.263 χ^2/NDF: 51.3/24

reg_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 76.970+/-0.022 χ^2/NDF:69766.6/7

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

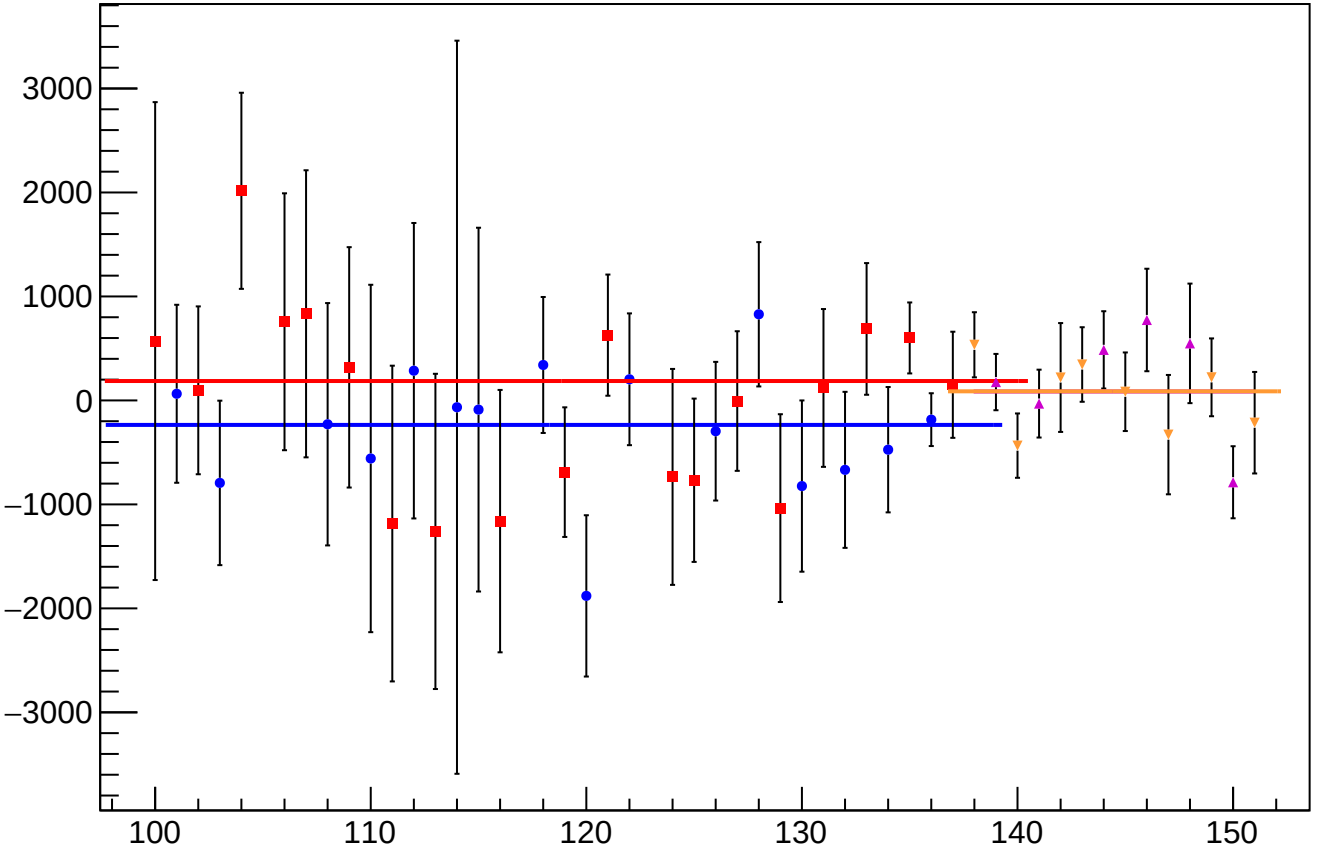
Left In: 80.213+/-0.025 χ^2/NDF:69425.8/5

+ sign 78.675+/-0.015 χ^2/NDF: 921793.2/23

All: 79.864+/-0.011 χ^2/NDF: 1939069.8/48

- sign 81.211+/-0.016 χ^2/NDF: 1004648.1/24

asym_sam1_reg_correction_mean vs Slug



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 87.527+/-136.797 χ^2/NDF:6.5/7

Right Out: 186.618+/-170.394 χ^2/NDF: 16.0/18

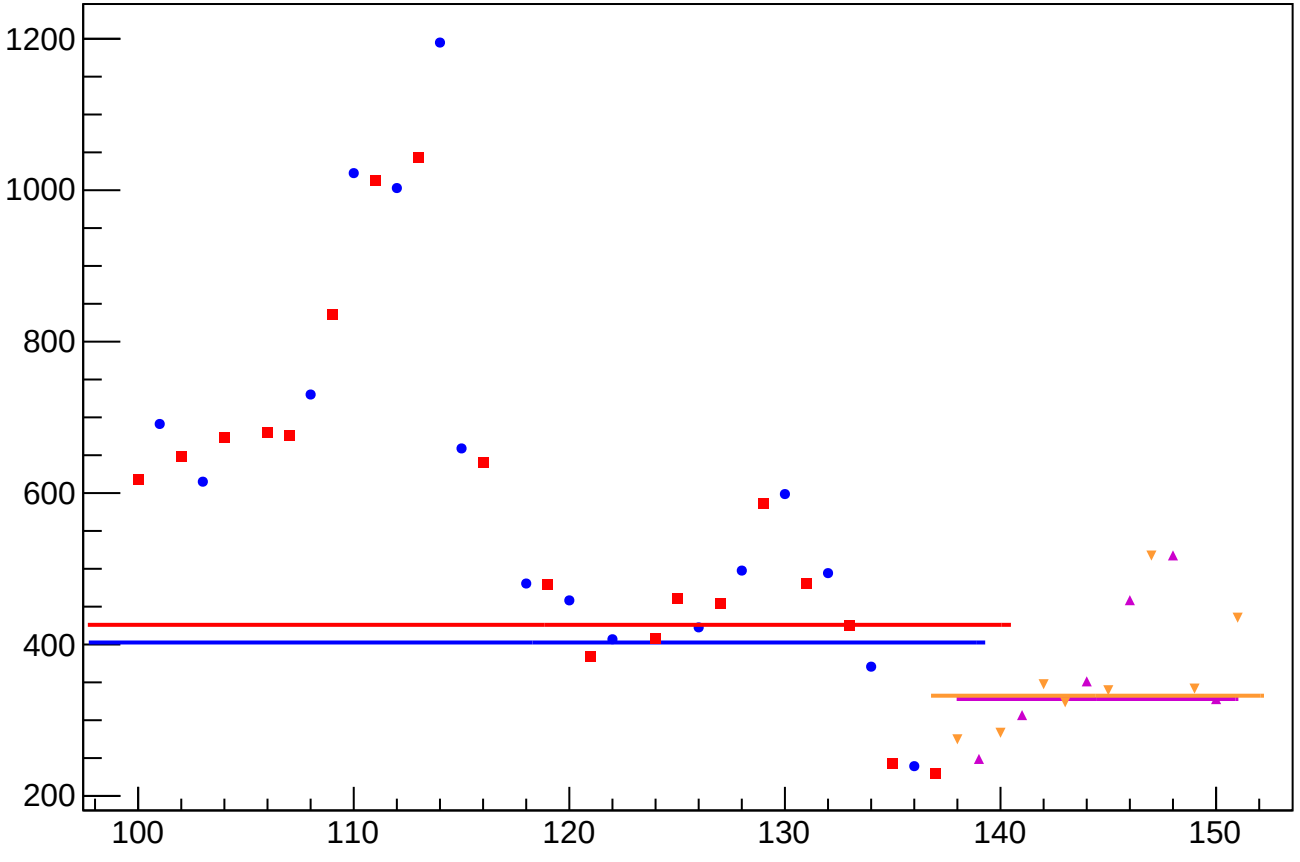
Left In: 85.898+/-147.857 χ^2/NDF:10.3/5

+ sign -45.243+/-104.987 χ^2/NDF: 18.8/23

All: 36.581+/-76.492 χ^2/NDF: 46.5/48

- sign 129.161+/-111.675 χ^2/NDF: 26.5/24

asym_sam1_reg_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 332.384+/-0.097 χ^2/NDF:419523.3/7

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

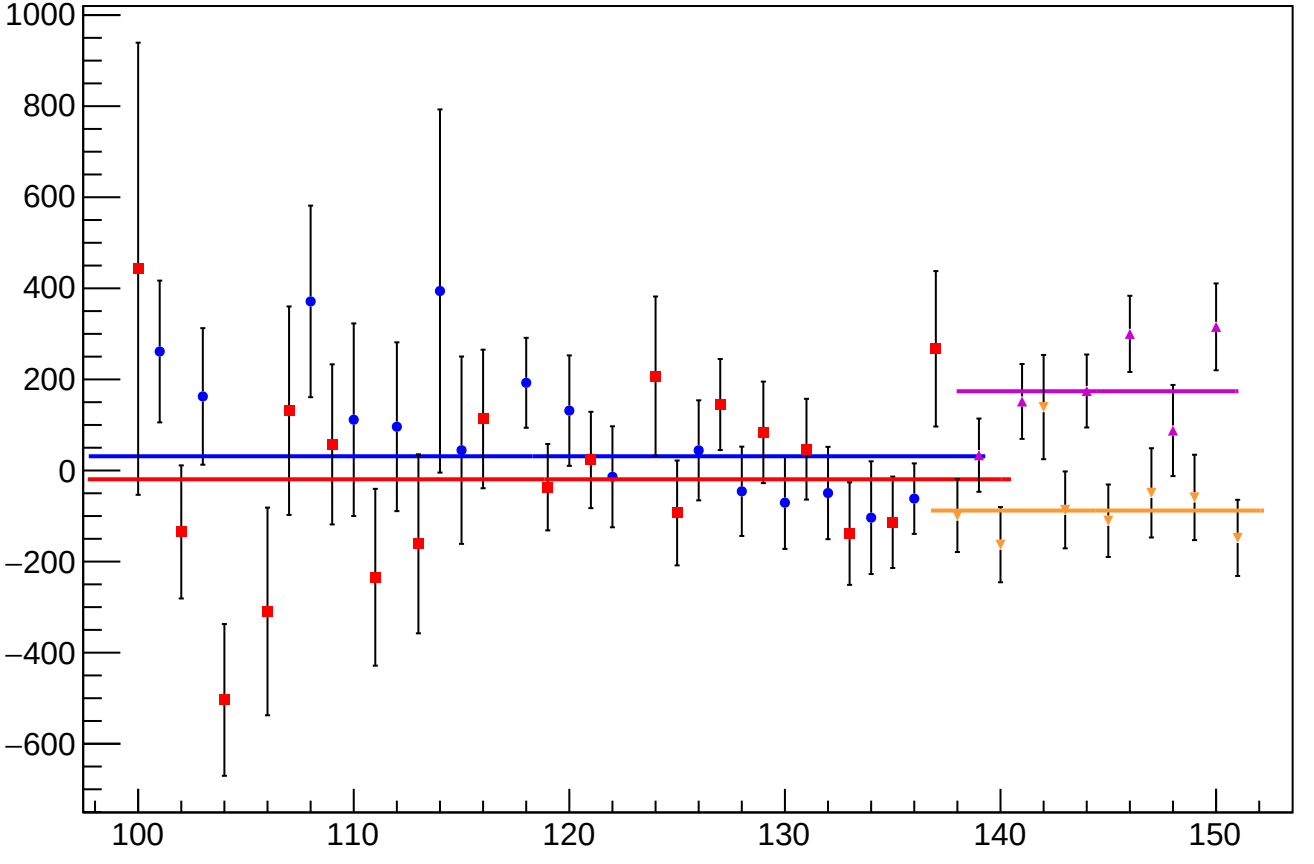
Left In: 328.038+/-0.105 χ^2/NDF:545092.4/5

\+ sign 361.266+/-0.074 χ^2/NDF: 2996536.3/23

All: 365.414+/-0.054 χ^2/NDF: 6294025.5/48

\- sign 370.108+/-0.079 χ^2/NDF: 3290833.4/24

cor_asym_sam1_mean vs Slug



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -87.922+/-31.026 χ^2/NDF:5.6/7

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

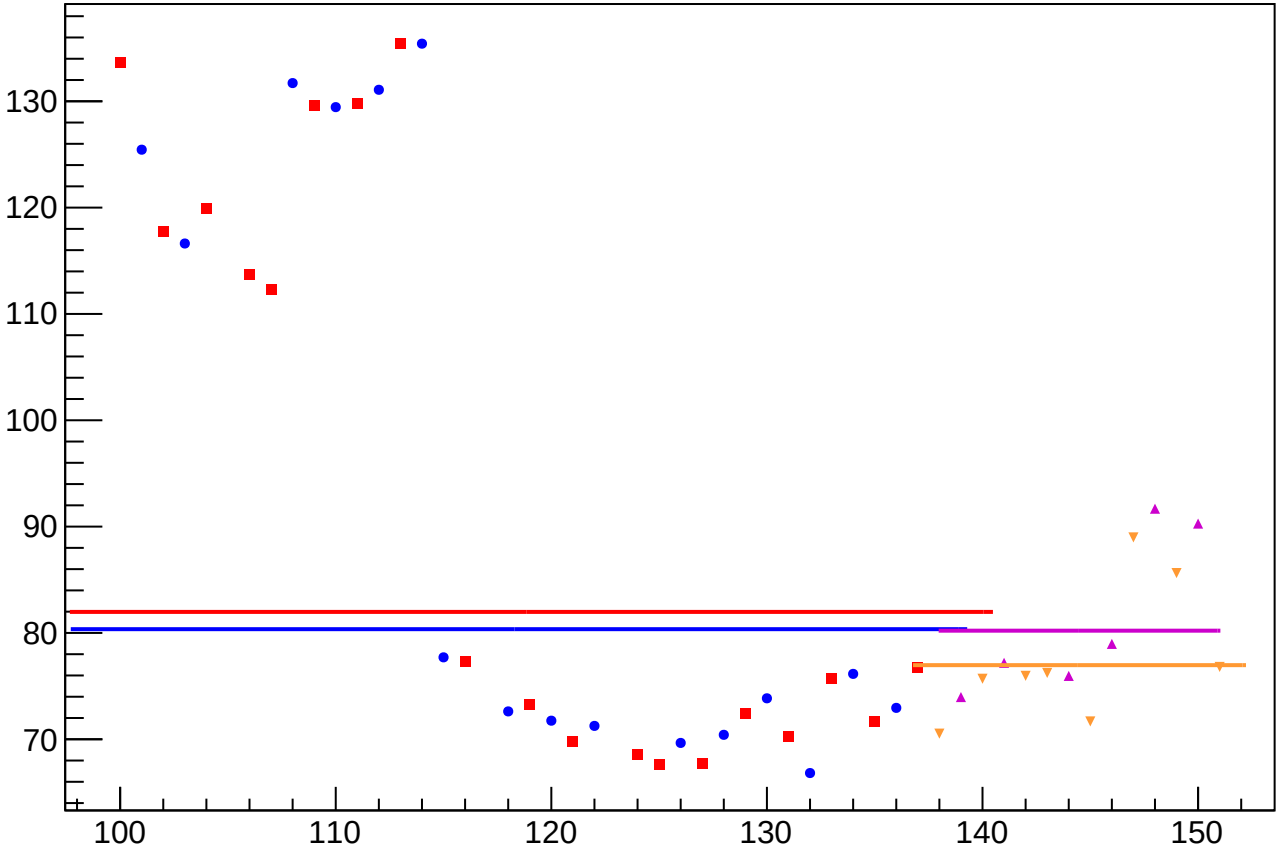
Left In: 174.024+/-35.110 χ^2/NDF:8.3/5

\+ sign -27.869+/-21.853 χ^2/NDF: 28.2/23

All: 15.940+/-15.928 χ^2/NDF: 87.8/48

\- sign 65.584+/-23.263 χ^2/NDF: 51.1/24

cor_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 76.970+/-0.022 χ^2/NDF:69766.6/7

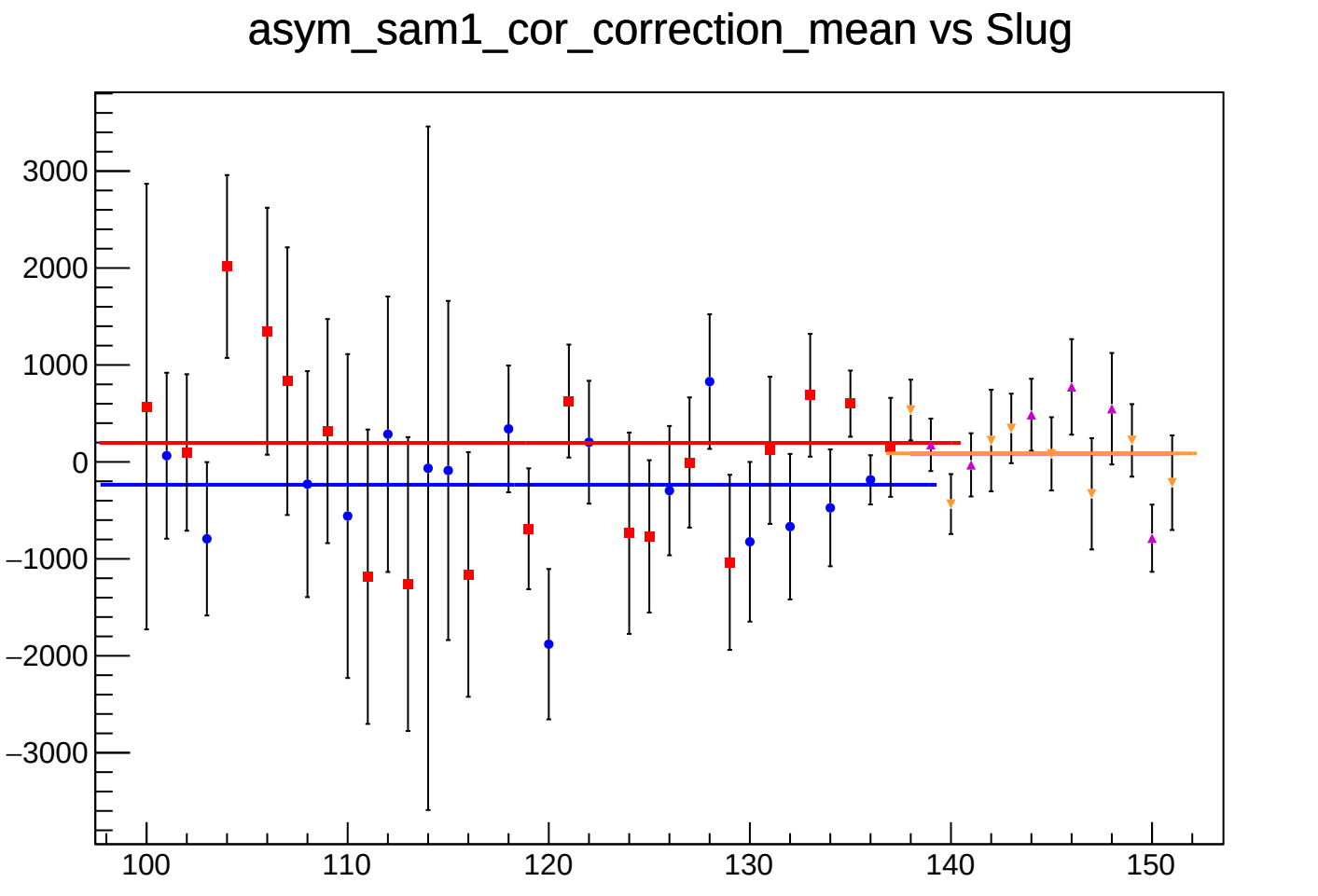
Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 80.213+/-0.025 χ^2/NDF:69425.8/5

+ sign 78.675+/-0.015 χ^2/NDF: 921793.4/23

All: 79.860+/-0.011 χ^2/NDF: 1937065.8/48

- sign 81.203+/-0.016 χ^2/NDF: 1002728.2/24



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 87.525+/-136.797 χ^2/NDF:6.5/7

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

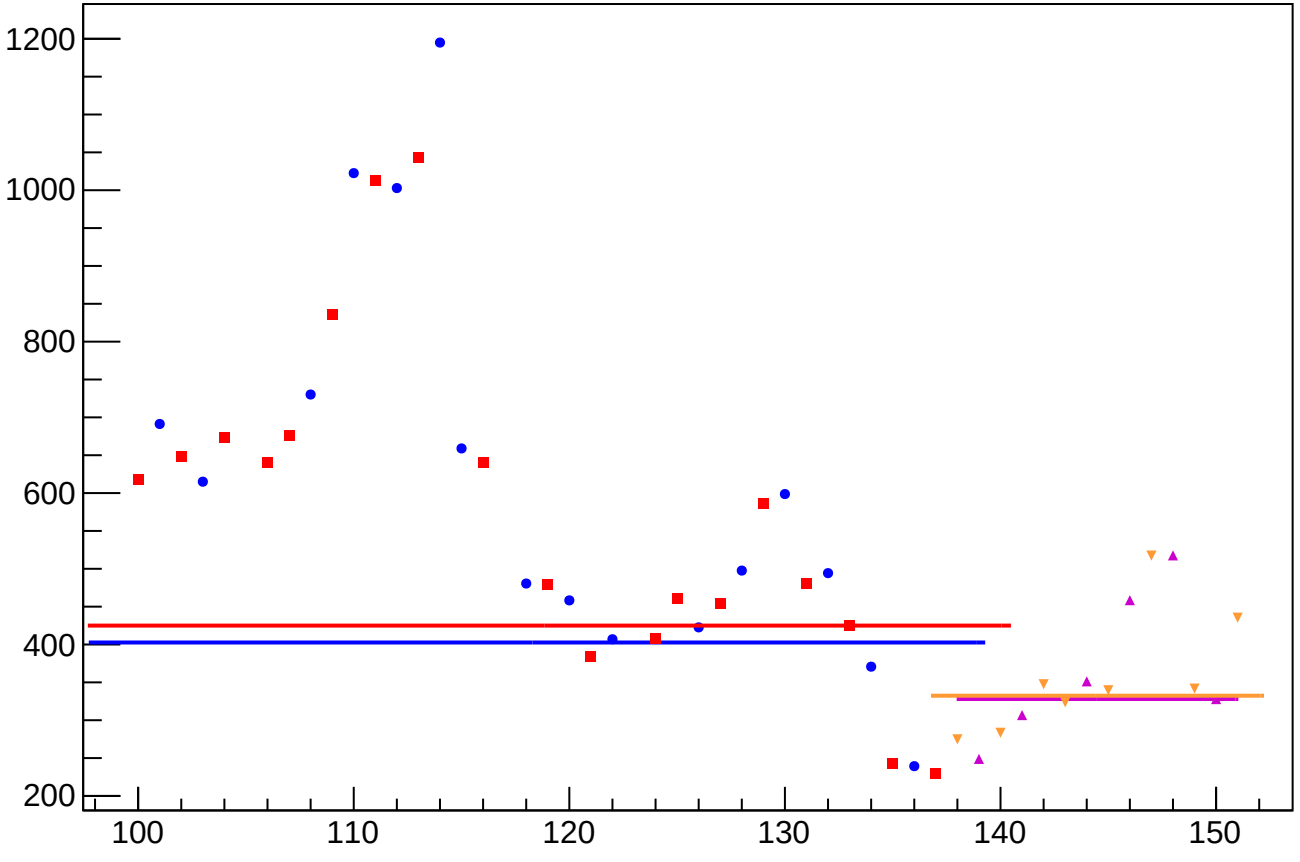
Left In: 85.900+/-147.857 χ^2/NDF:10.3/5

+ sign -45.243+/-104.987 χ^2/NDF: 18.8/23

All: 38.552+/-76.501 χ^2/NDF: 47.3/48

- sign 133.410+/-111.702 χ^2/NDF: 27.2/24

asym_sam1_cor_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 332.383+/-0.097 χ^2/NDF:419528.5/7

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

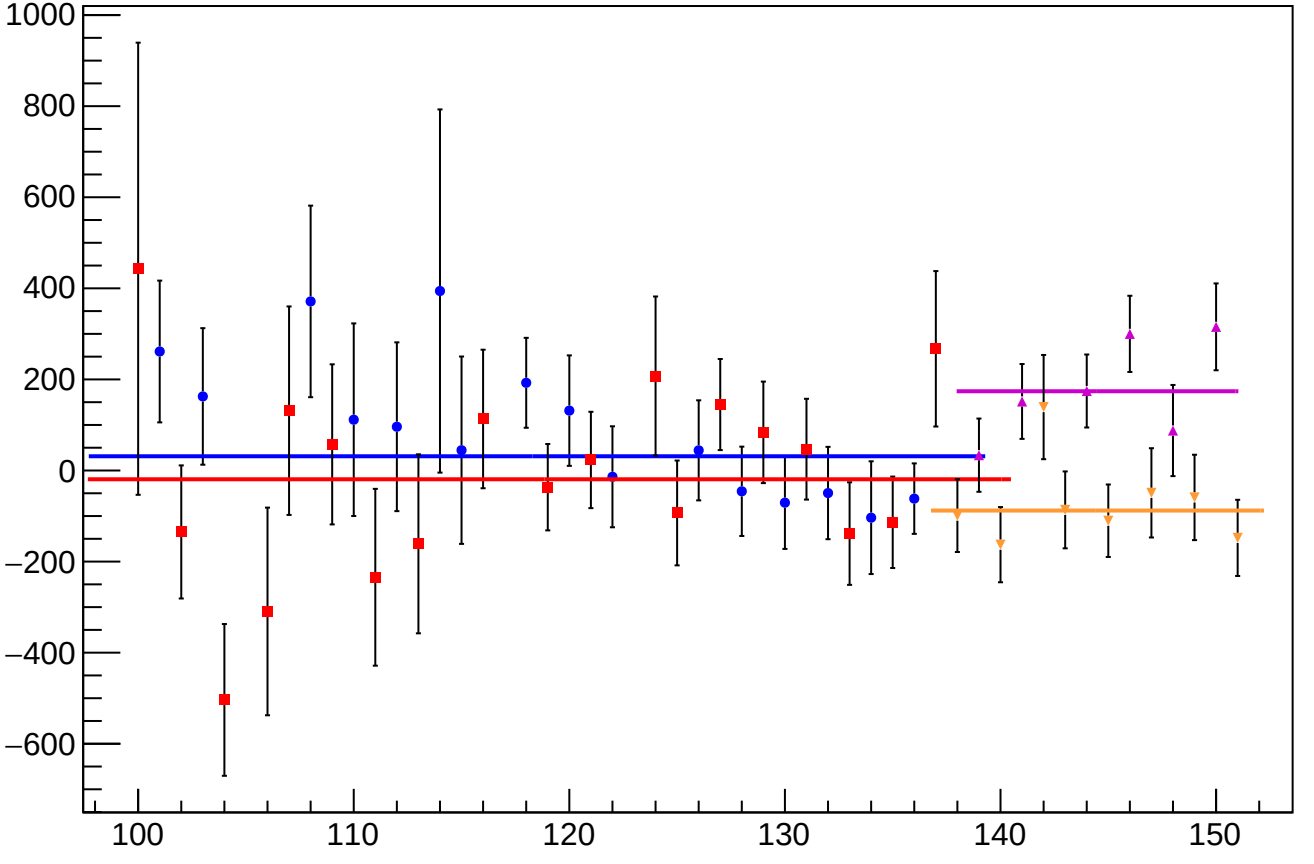
Left In: 328.038+/-0.105 χ^2/NDF:545092.9/5

+ sign 361.266+/-0.074 χ^2/NDF: 2996539.2/23

All: 365.200+/-0.054 χ^2/NDF: 6257757.2/48

- sign 369.654+/-0.079 χ^2/NDF: 3255228.7/24

eigen_cor_asym_sam1_mean vs Slug



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -87.922+/-31.026 χ^2/NDF:5.6/7

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

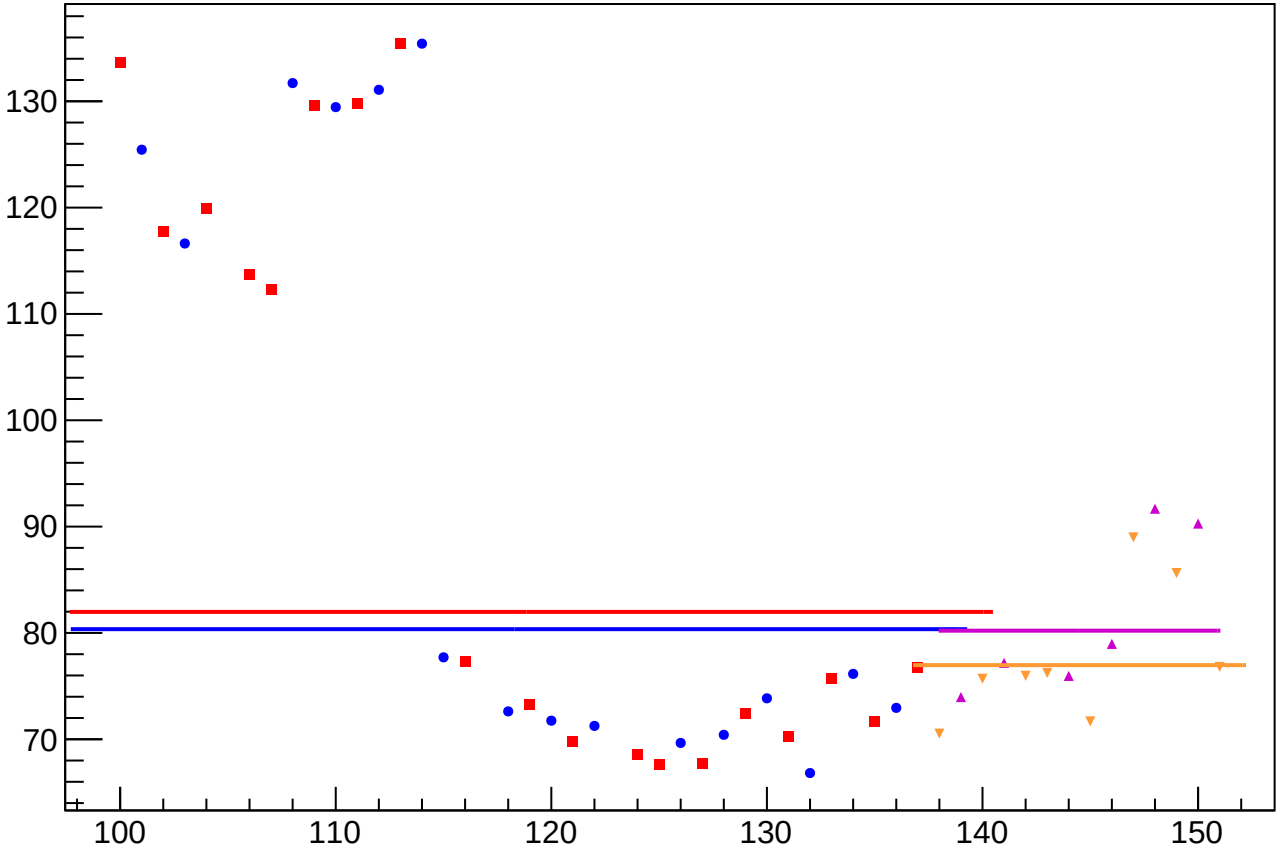
Left In: 174.024+/-35.110 χ^2/NDF:8.3/5

\+ sign -27.869+/-21.853 χ^2/NDF: 28.2/23

All: 15.940+/-15.928 χ^2/NDF: 87.8/48

\- sign 65.584+/-23.263 χ^2/NDF: 51.1/24

eigen_cor_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 76.970+/-0.022 χ^2/NDF:69766.6/7

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

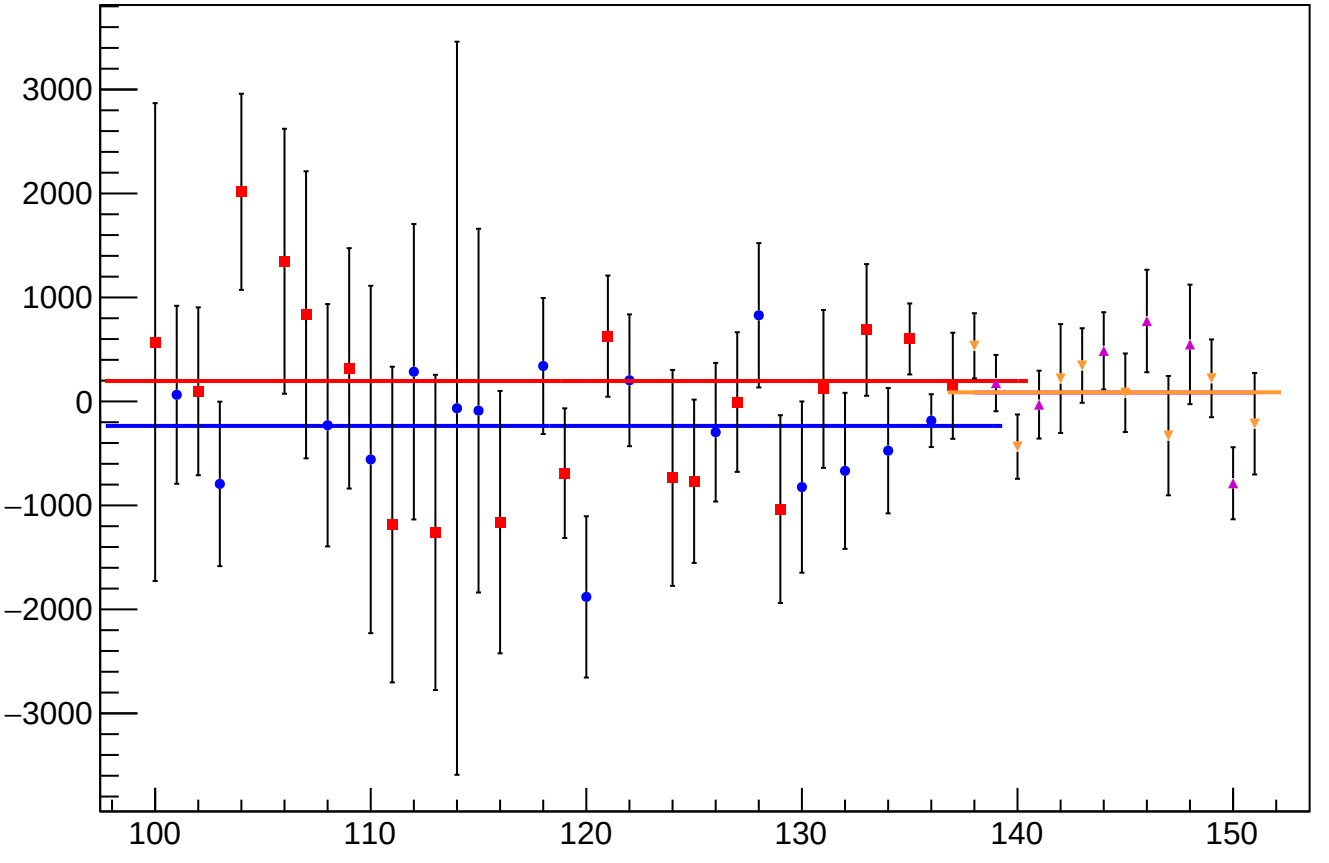
Left In: 80.213+/-0.025 χ^2/NDF:69425.8/5

+ sign 78.675+/-0.015 χ^2/NDF: 921793.4/23

All: 79.860+/-0.011 χ^2/NDF: 1937065.8/48

- sign 81.203+/-0.016 χ^2/NDF: 1002728.2/24

asym_sam1_eigen_cor_correction_mean vs Slug



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 87.525+/-136.797 χ^2/NDF:6.5/7

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

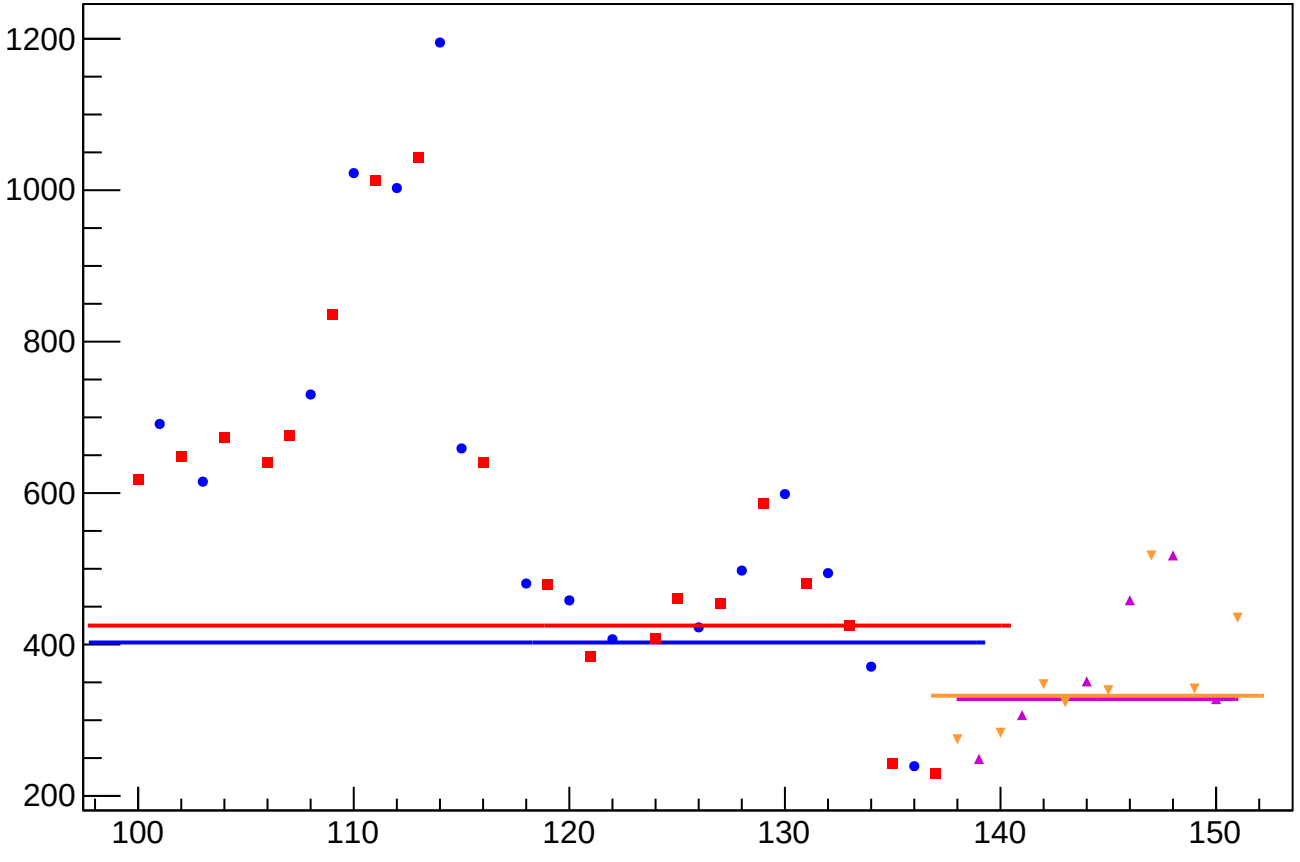
Left In: 85.900+/-147.857 χ^2/NDF:10.3/5

+ sign -45.243+/-104.987 χ^2/NDF: 18.8/23

All: 38.552+/-76.501 χ^2/NDF: 47.3/48

- sign 133.410+/-111.702 χ^2/NDF: 27.2/24

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 332.383+/-0.097 χ^2/NDF:419528.5/7

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

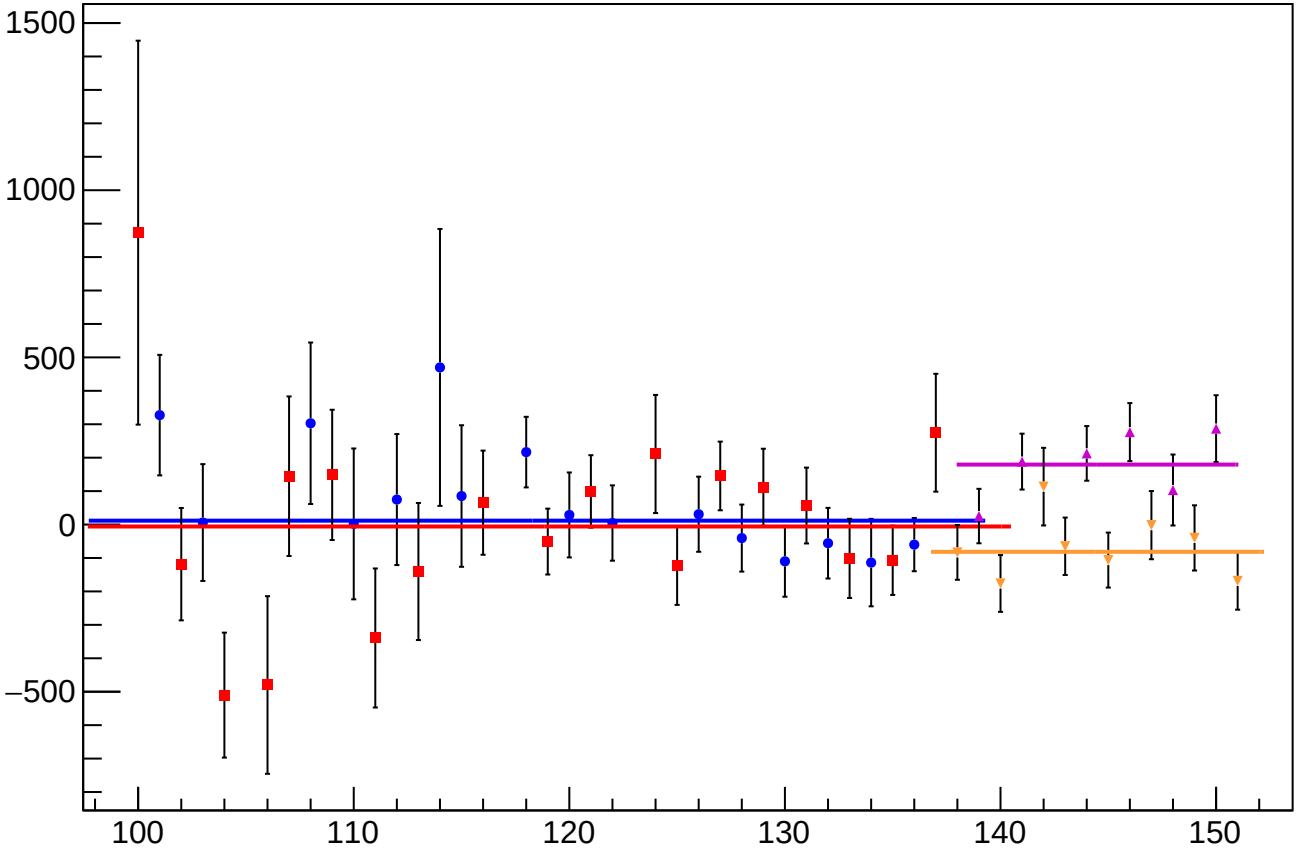
Left In: 328.038+/-0.105 χ^2/NDF:545092.9/5

+ sign 361.266+/-0.074 χ^2/NDF: 2996539.2/23

All: 365.200+/-0.054 χ^2/NDF: 6257757.2/48

- sign 369.654+/-0.079 χ^2/NDF: 3255228.7/24

dit_asym_sam1_mean vs Slug



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -81.571+/-31.913 χ^2/NDF:6.0/7

Right Out: -5.817+/-32.444 χ^2/NDF: 28.8/18

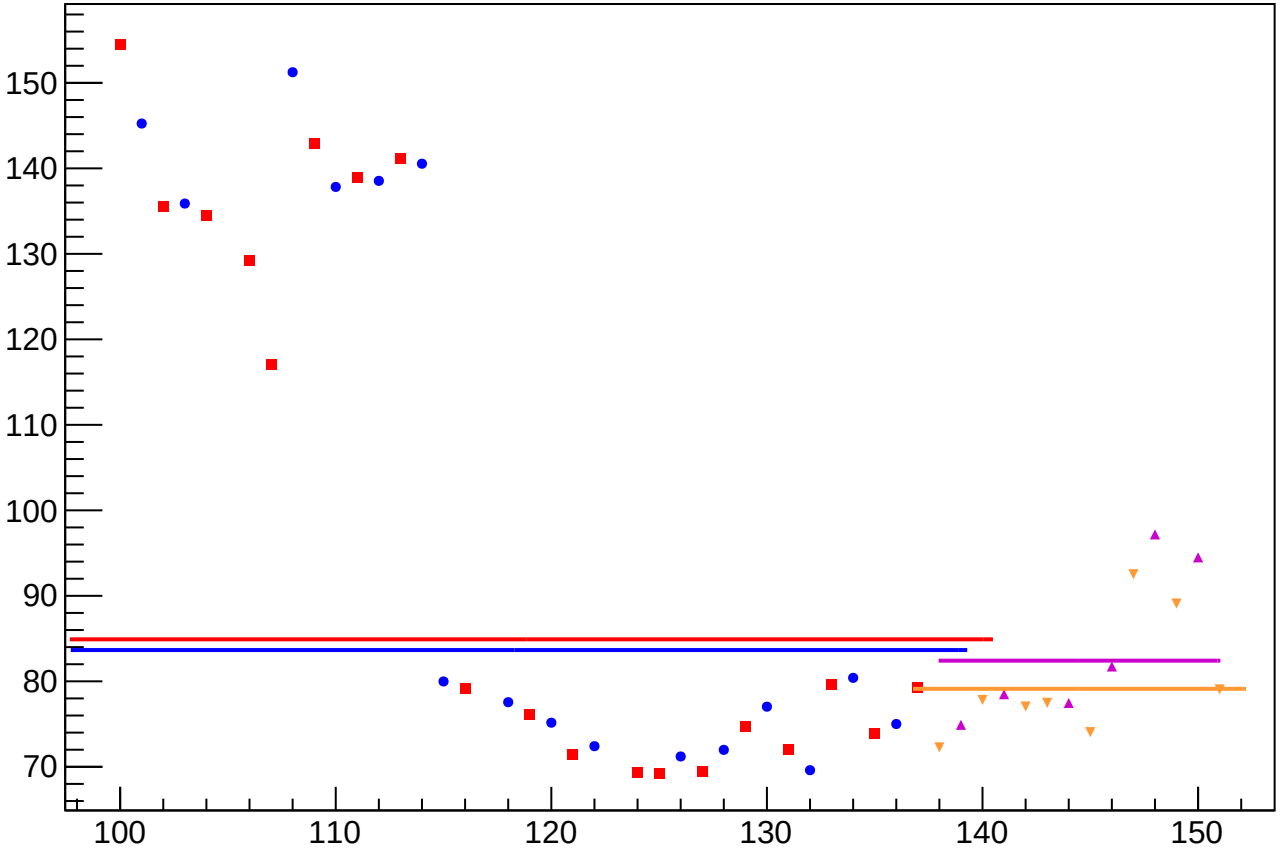
Left In: 179.389+/-36.141 χ^2/NDF:6.7/5

+ sign -35.517+/-22.701 χ^2/NDF: 23.7/23

All: 17.200+/-16.538 χ^2/NDF: 85.2/48

- sign 76.830+/-24.143 χ^2/NDF: 50.0/24

dit_asym_sam1_rms vs Slug



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 79.124+/-0.023 χ^2/NDF:78911.6/7

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

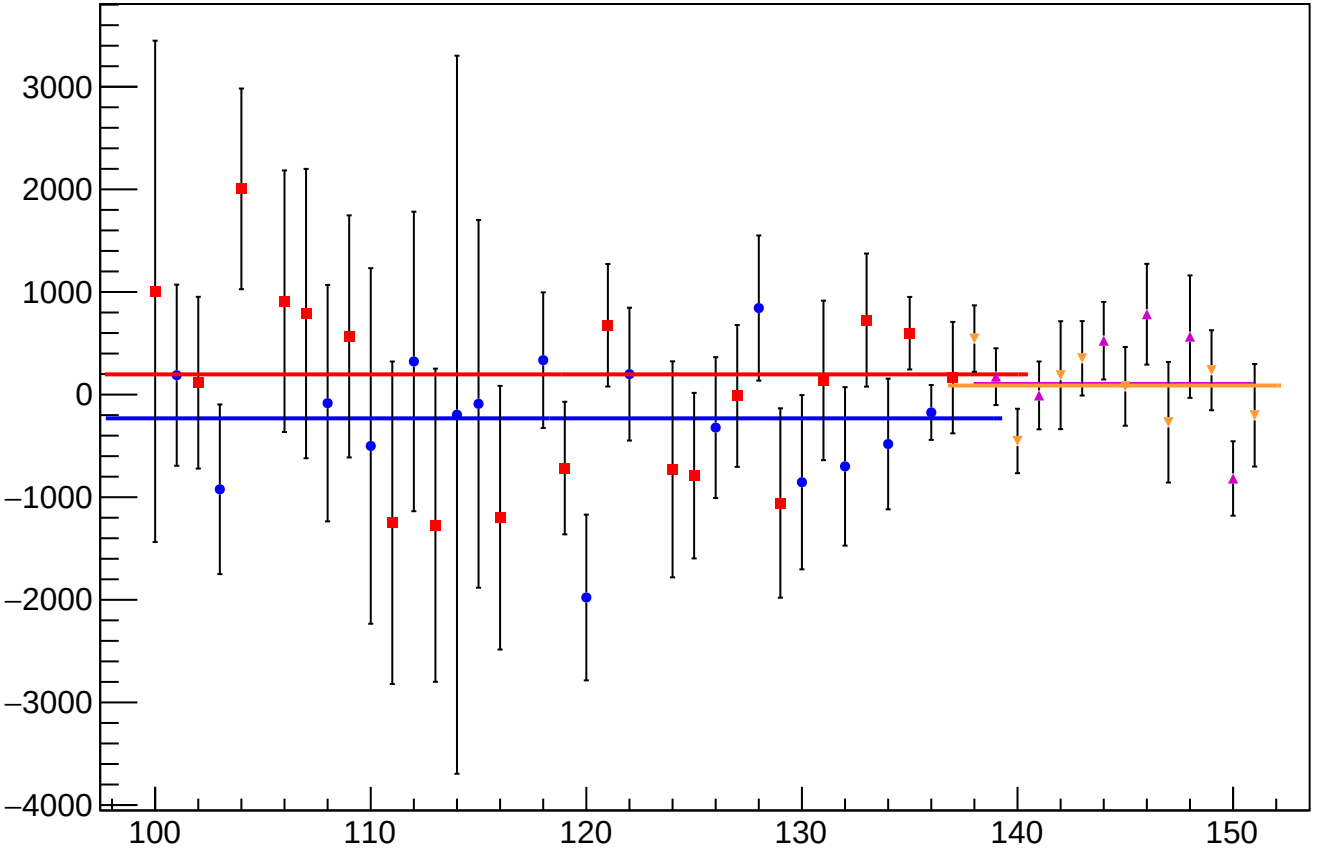
Left In: 82.417+/-0.026 χ^2/NDF:96911.6/5

+ sign 81.364+/-0.016 χ^2/NDF: 1133636.9/23

All: 82.507+/-0.012 χ^2/NDF: 2368302.9/48

- sign 83.799+/-0.017 χ^2/NDF: 1223862.6/24

asym_sam1_dit_correction_mean vs Slug



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 88.064+/-139.789 χ^2/NDF:6.4/7

Right Out: 197.206+/-176.091 χ^2/NDF: 15.9/18

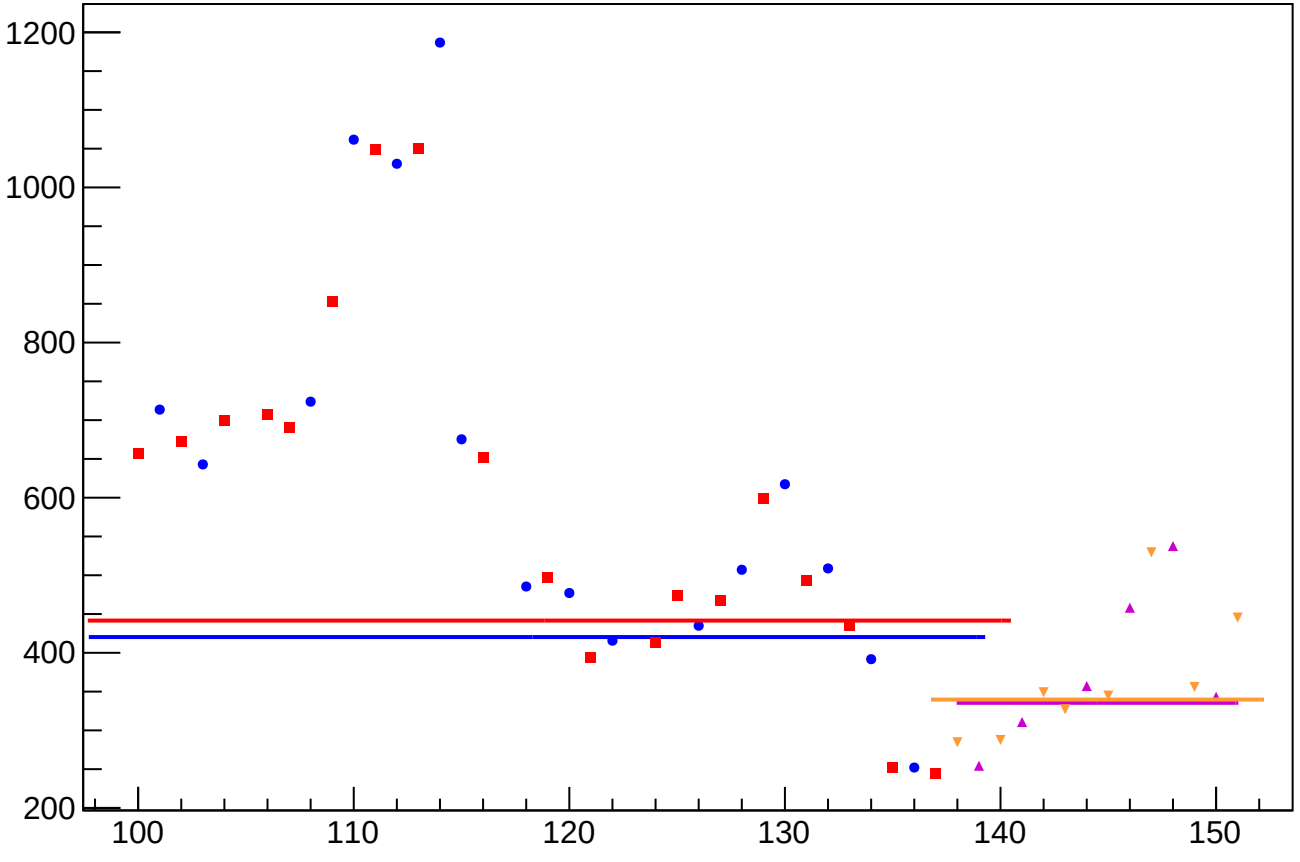
Left In: 102.950+/-151.144 χ^2/NDF:10.4/5

+ sign -40.689+/-108.007 χ^2/NDF: 18.9/23

All: 45.617+/-78.629 χ^2/NDF: 46.7/48

- sign 142.934+/-114.690 χ^2/NDF: 26.4/24

asym_sam1_dit_correction_rms vs Slug



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 339.730+/-0.099 χ^2/NDF:418027.3/7

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

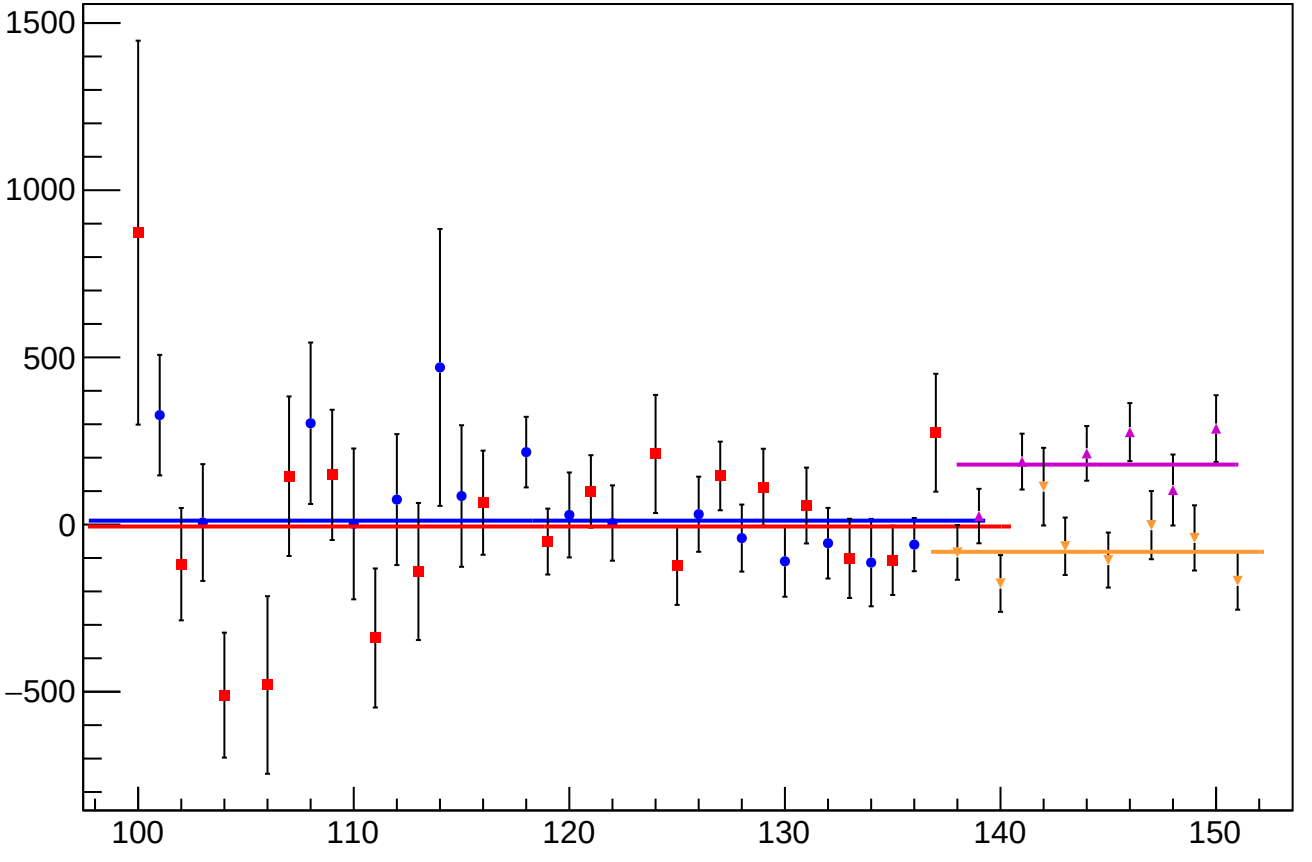
Left In: 335.548+/-0.107 χ^2/NDF:544925.5/5

\+ sign 372.213+/-0.076 χ^2/NDF: 2940601.6/23

All: 376.124+/-0.056 χ^2/NDF: 6216376.3/48

\- sign 380.535+/-0.081 χ^2/NDF: 3270194.6/24

eigen_dit_asym_sam1_mean vs Slug



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -81.572+/-31.913 χ^2/NDF:6.0/7

Right Out: -5.816+/-32.444 χ^2/NDF: 28.8/18

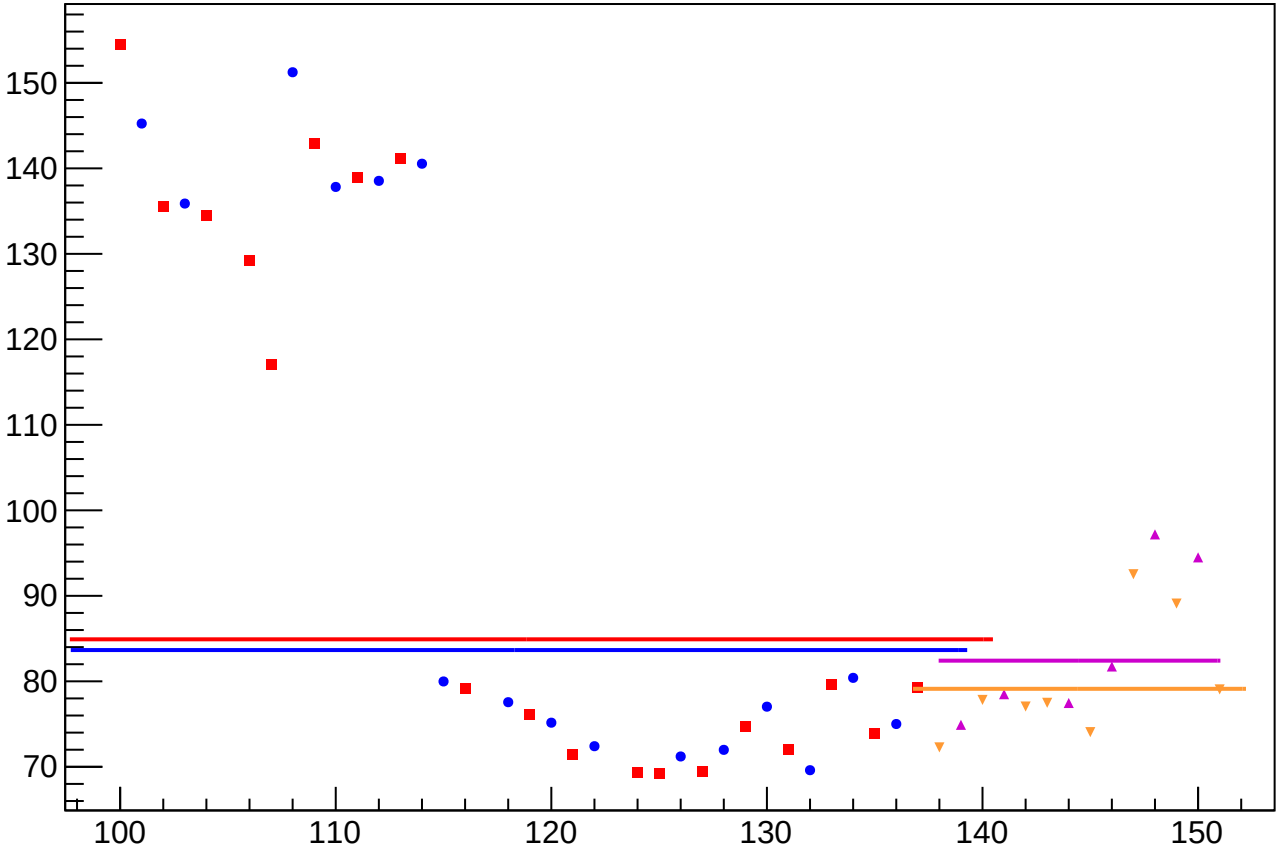
Left In: 179.389+/-36.141 χ^2/NDF:6.7/5

+ sign -35.517+/-22.701 χ^2/NDF: 23.7/23

All: 17.201+/-16.538 χ^2/NDF: 85.2/48

- sign 76.830+/-24.143 χ^2/NDF: 50.0/24

eigen_dit_asym_sam1_rms vs Slug



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 79.124+/-0.023 χ^2/NDF:78911.1/7

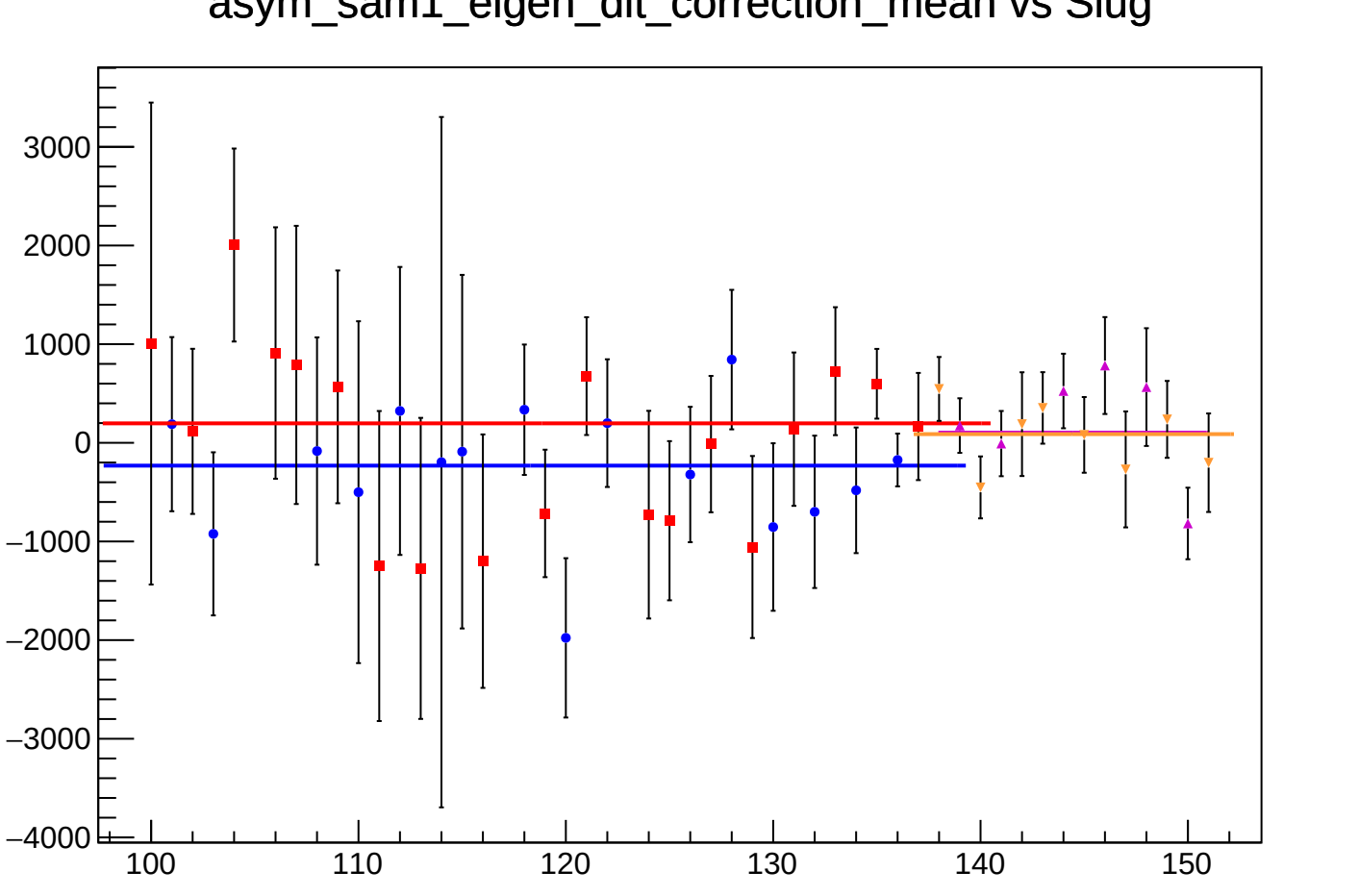
Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

Left In: 82.417+/-0.026 χ^2/NDF:96910.9/5

+ sign 81.364+/-0.016 χ^2/NDF: 1133635.5/23

All: 82.506+/-0.012 χ^2/NDF: 2368299.4/48

- sign 83.799+/-0.017 χ^2/NDF: 1223860.6/24



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 88.063+/-139.788 χ^2/NDF:6.4/7

Right Out: 197.207+/-176.091 χ^2/NDF: 15.9/18

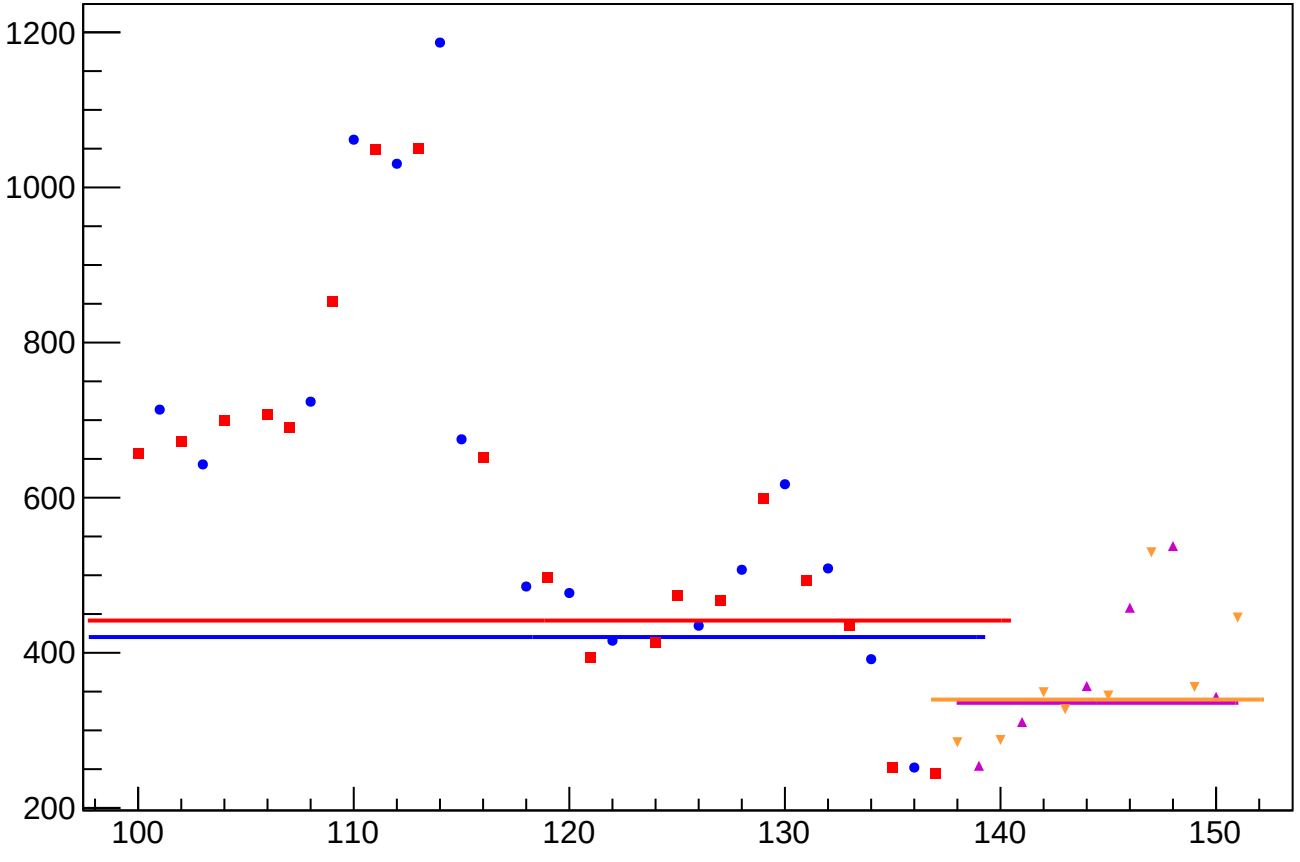
Left In: 102.950+/-151.144 χ^2/NDF:10.4/5

+ sign -40.689+/-108.007 χ^2/NDF: 18.9/23

All: 45.617+/-78.629 χ^2/NDF: 46.7/48

- sign 142.934+/-114.690 χ^2/NDF: 26.4/24

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 339.730+/-0.099 χ^2/NDF:418027.0/7

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

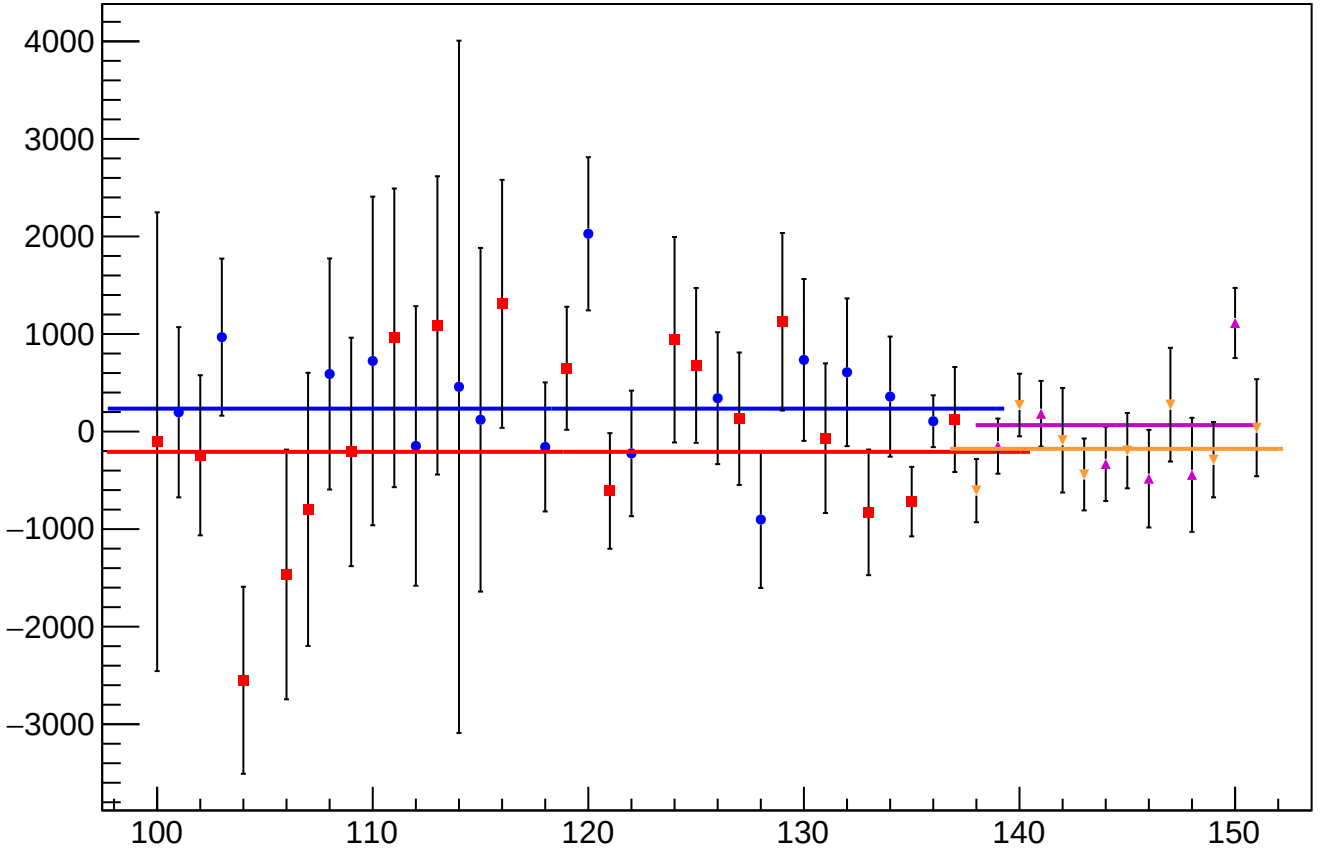
Left In: 335.547+/-0.107 χ^2/NDF:544926.1/5

+ sign 372.213+/-0.076 χ^2/NDF: 2940604.5/23

All: 376.124+/-0.056 χ^2/NDF: 6216383.4/48

- sign 380.534+/-0.081 χ^2/NDF: 3270198.8/24

asym_sam1_mean vs Slug



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -177.015+/-140.716 χ^2/NDF:5.1/7

Right Out: -207.936+/-174.716 χ^2/NDF: 20.4/18

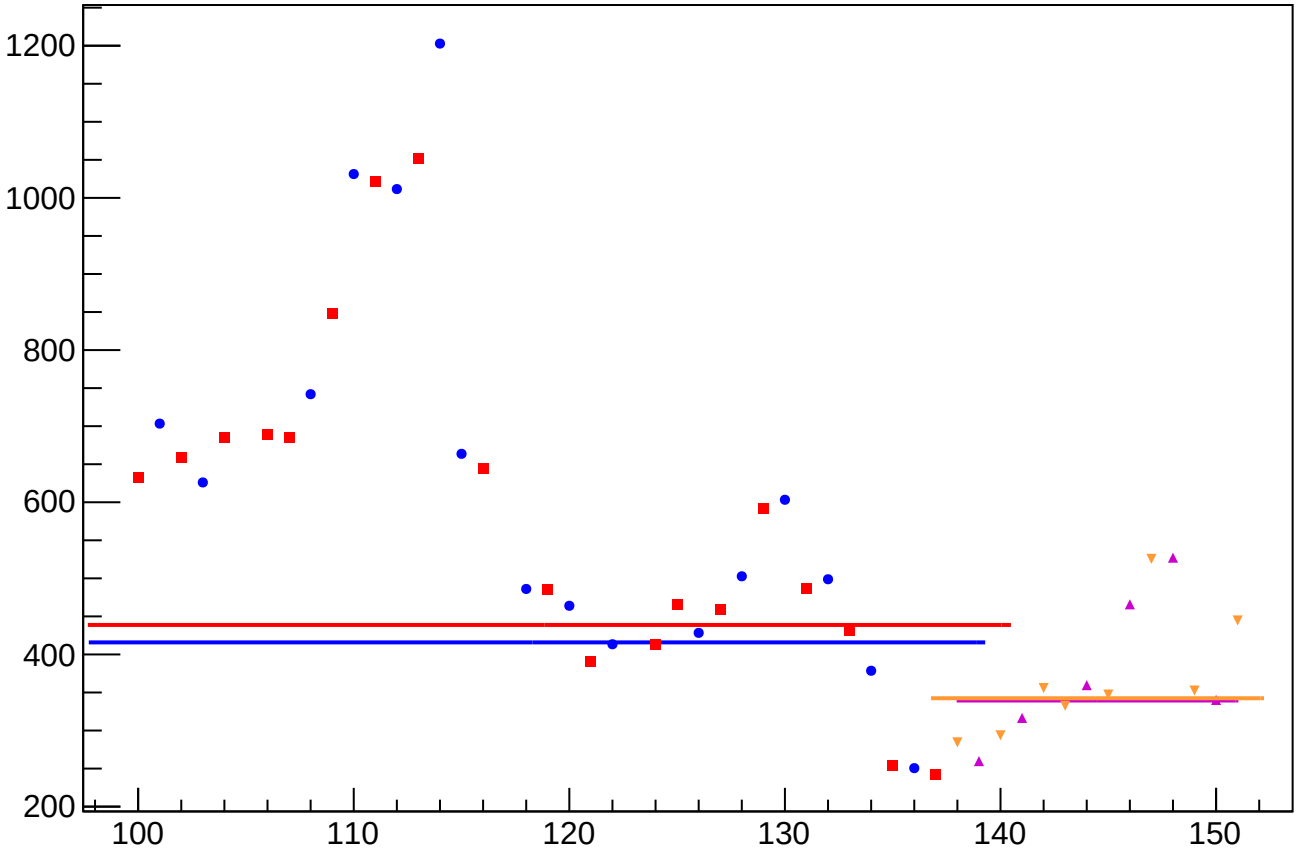
Left In: 66.064+/-152.662 χ^2/NDF:12.2/5

\+ sign -7.354+/-107.927 χ^2/NDF: 19.3/23

All: -28.532+/-78.685 χ^2/NDF: 53.4/48

\- sign -52.561+/-114.960 χ^2/NDF: 34.0/24

asym_sam1_rms vs Slug



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 342.427+/-0.100 χ^2/NDF:396583.3/7

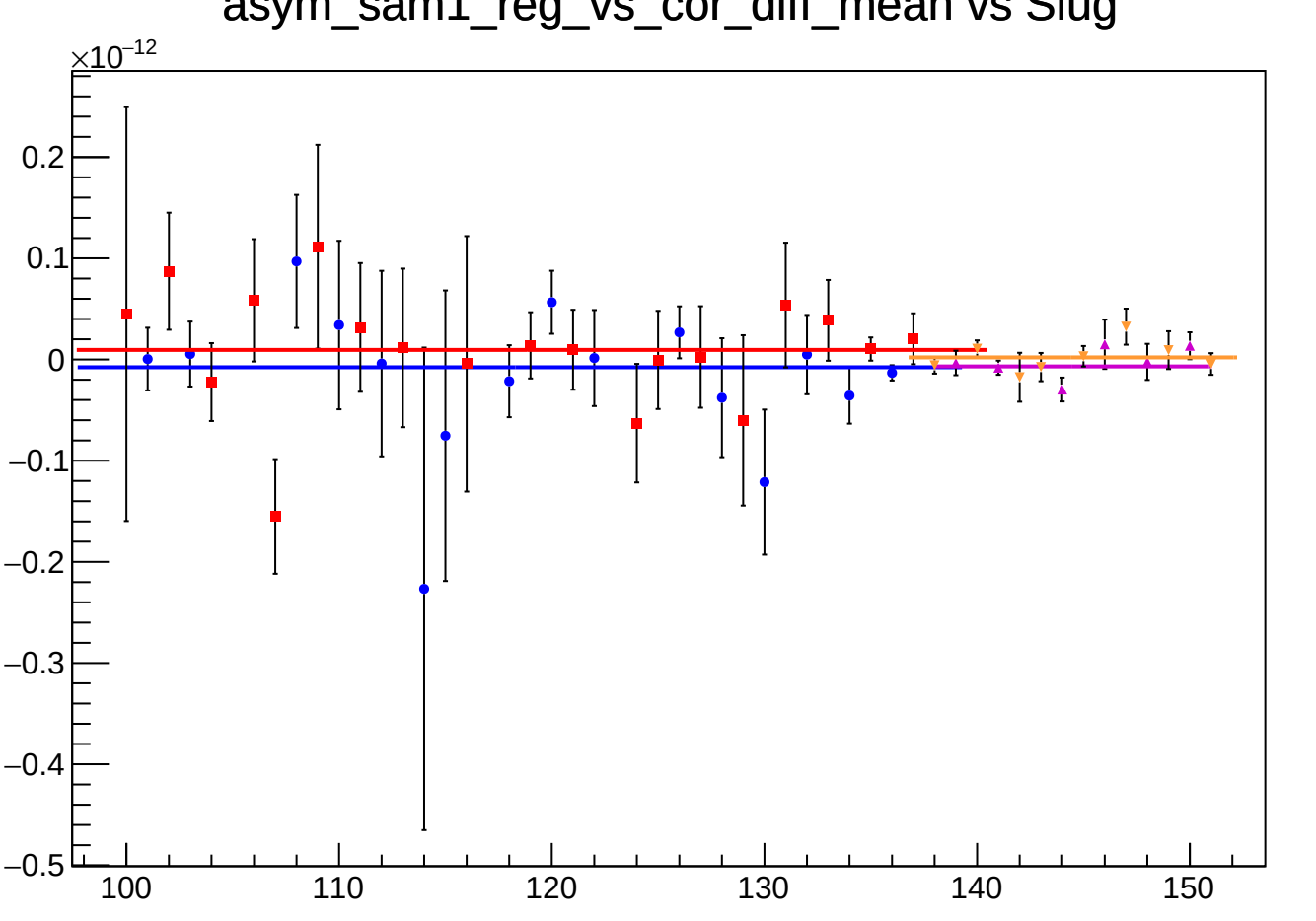
Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 339.472+/-0.108 χ^2/NDF:507512.6/5

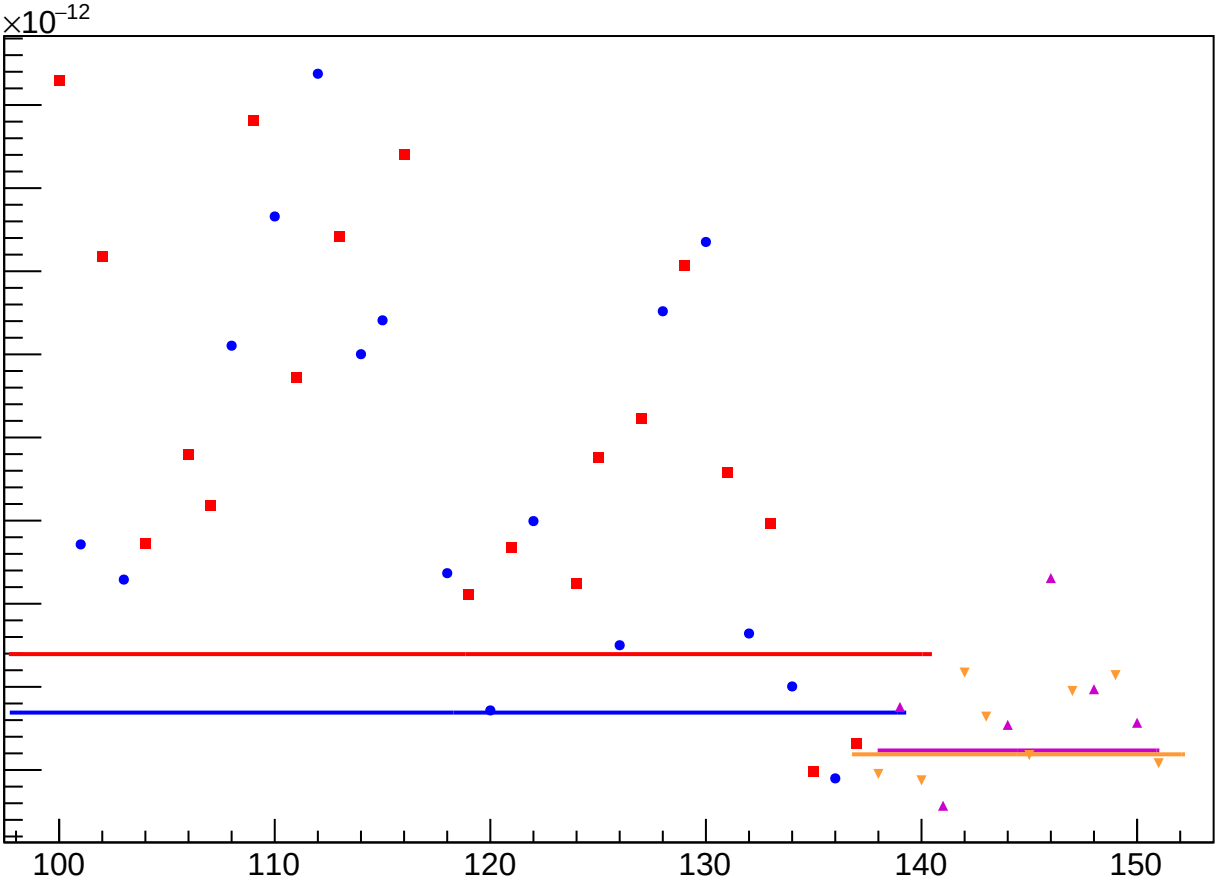
+ sign 372.653+/-0.076 χ^2/NDF: 2844662.1/23

All: 377.249+/-0.056 χ^2/NDF: 5961046.7/48

- sign 382.463+/-0.081 χ^2/NDF: 3108643.6/24


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
Right In: -0.000+/-0.000 χ²/NDF: 14.8/15
Left Out: 0.000+/-0.000 χ²/NDF:6.5/7
Right Out: 0.000+/-0.000 χ²/NDF: 16.3/18
Left In: -0.000+/-0.000 χ²/NDF:7.1/5
+ sign -0.000+/-0.000 χ²/NDF: 23.1/23
All: -0.000+/-0.000 χ²/NDF: 49.6/48
- sign -0.000+/-0.000 χ²/NDF: 26.4/24

asym_sam1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2756090.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:474929.5/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2760154.9/18

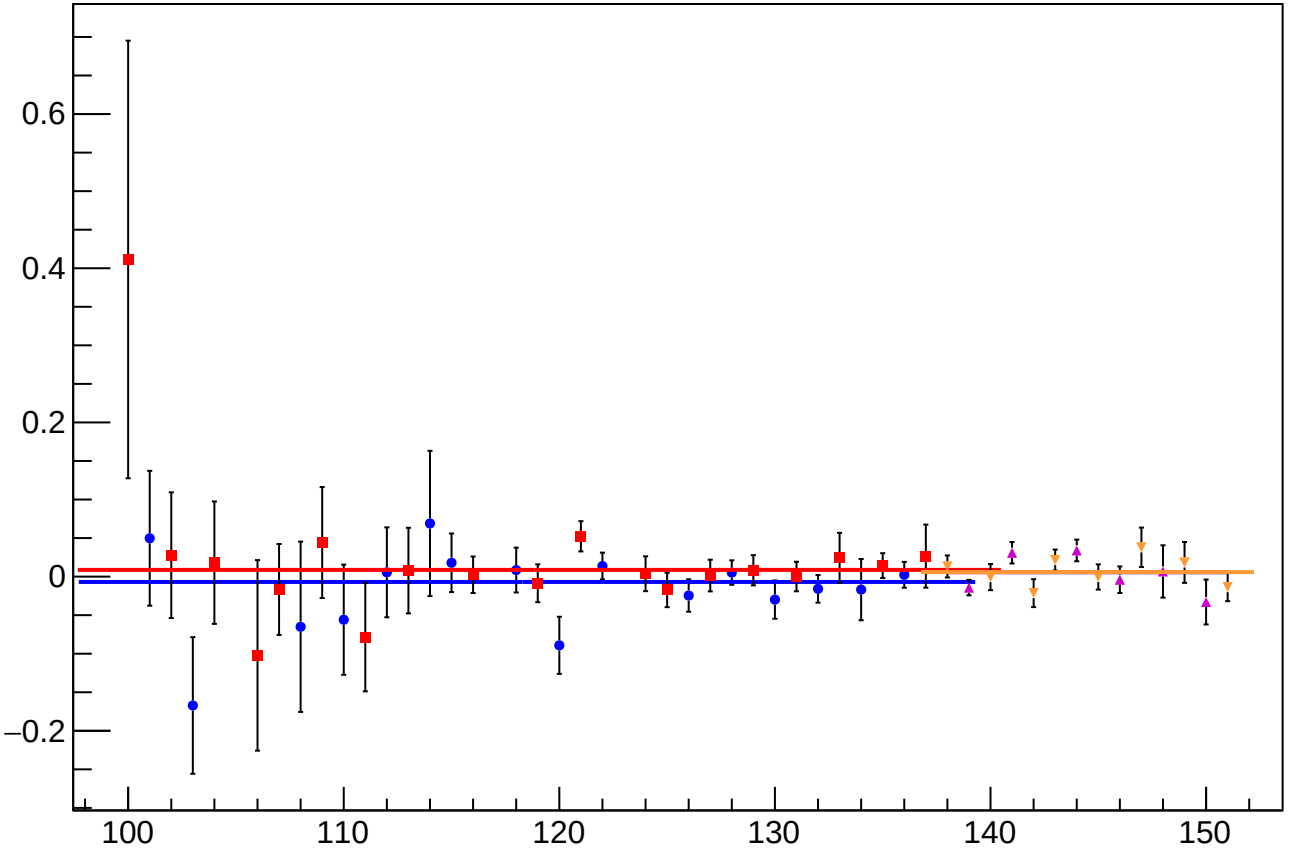
Left In: 0.000+/-0.000 χ^2/NDF:1053784.2/5

+ sign 0.000+/-0.000 χ^2/NDF: 3462676.2/23

All: 0.000+/-0.000 χ^2/NDF: 8094471.8/48

- sign 0.000+/-0.000 χ^2/NDF: 4570434.4/24

asym_sam1_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.006 χ^2/NDF:7.1/7

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

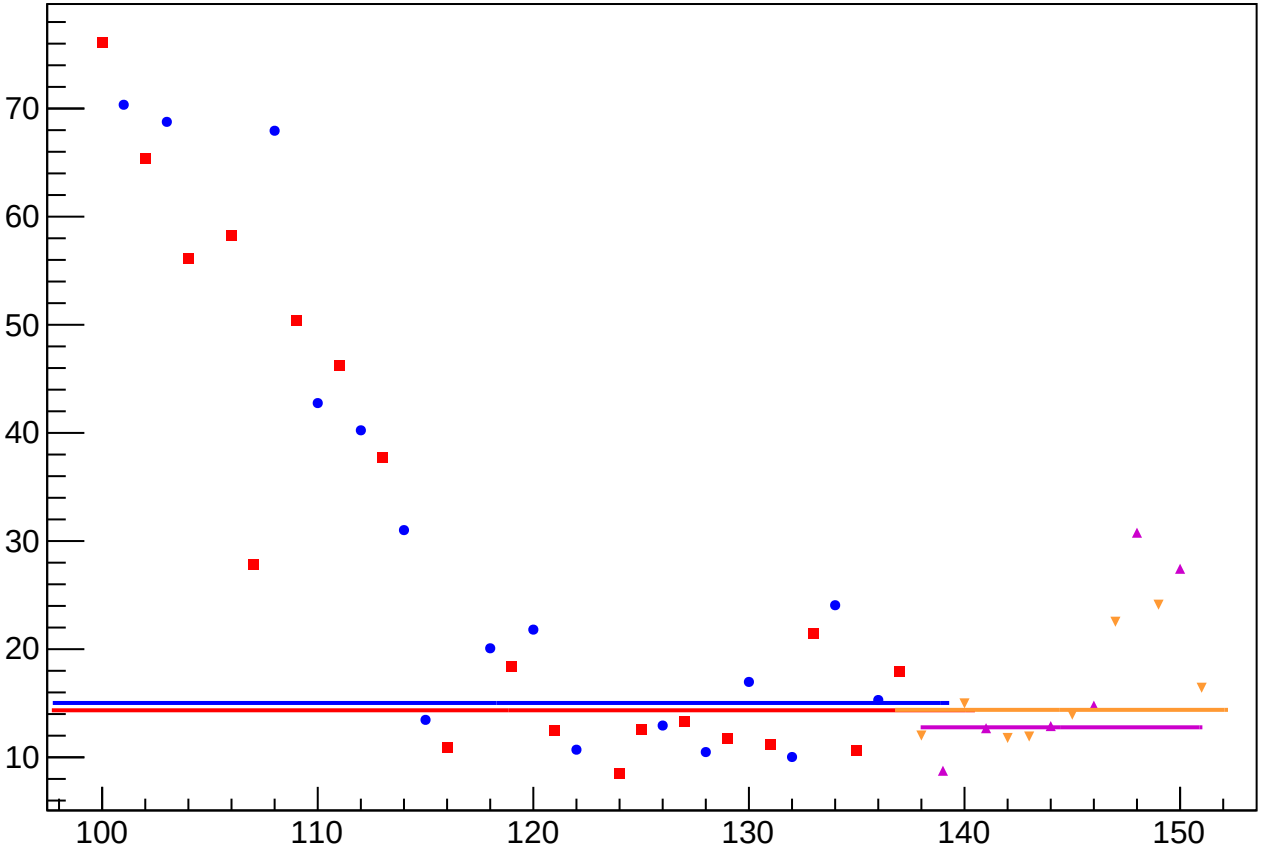
Left In: 0.006+/-0.006 χ^2/NDF:13.4/5

+ sign 0.000+/-0.005 χ^2/NDF: 24.0/23

All: 0.004+/-0.003 χ^2/NDF: 51.4/48

- sign 0.007+/-0.004 χ^2/NDF: 26.1/24

asym_sam1_dit_vs_cor_diff_rms vs Slug



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.388+/-0.004 χ^2/NDF:663686.5/7

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

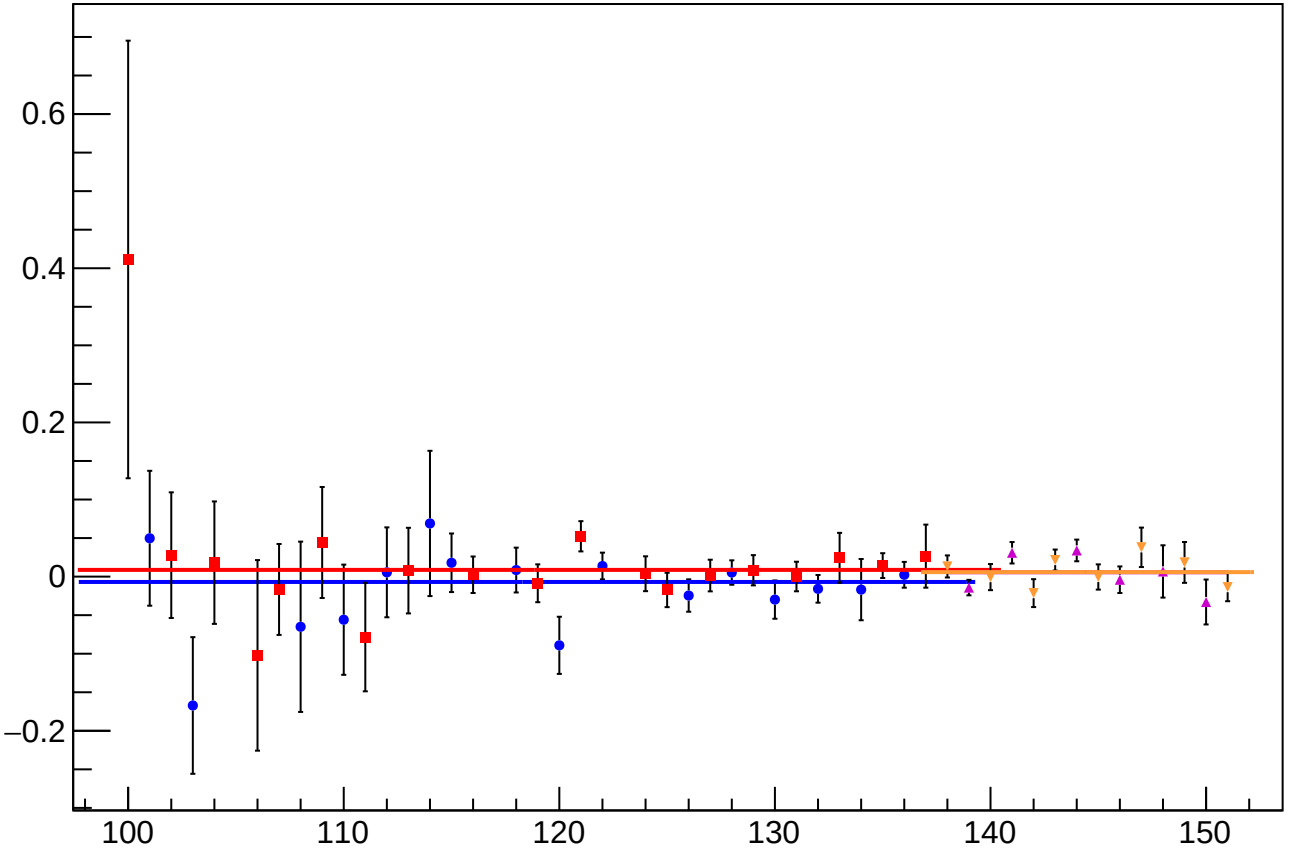
Left In: 12.774+/-0.004 χ^2/NDF:1416962.4/5

+ sign 14.678+/-0.003 χ^2/NDF: 4111728.7/23

All: 14.102+/-0.002 χ^2/NDF: 9283086.4/48

- sign 13.545+/-0.003 χ^2/NDF: 5108019.3/24

asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.006 χ^2/NDF:7.1/7

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

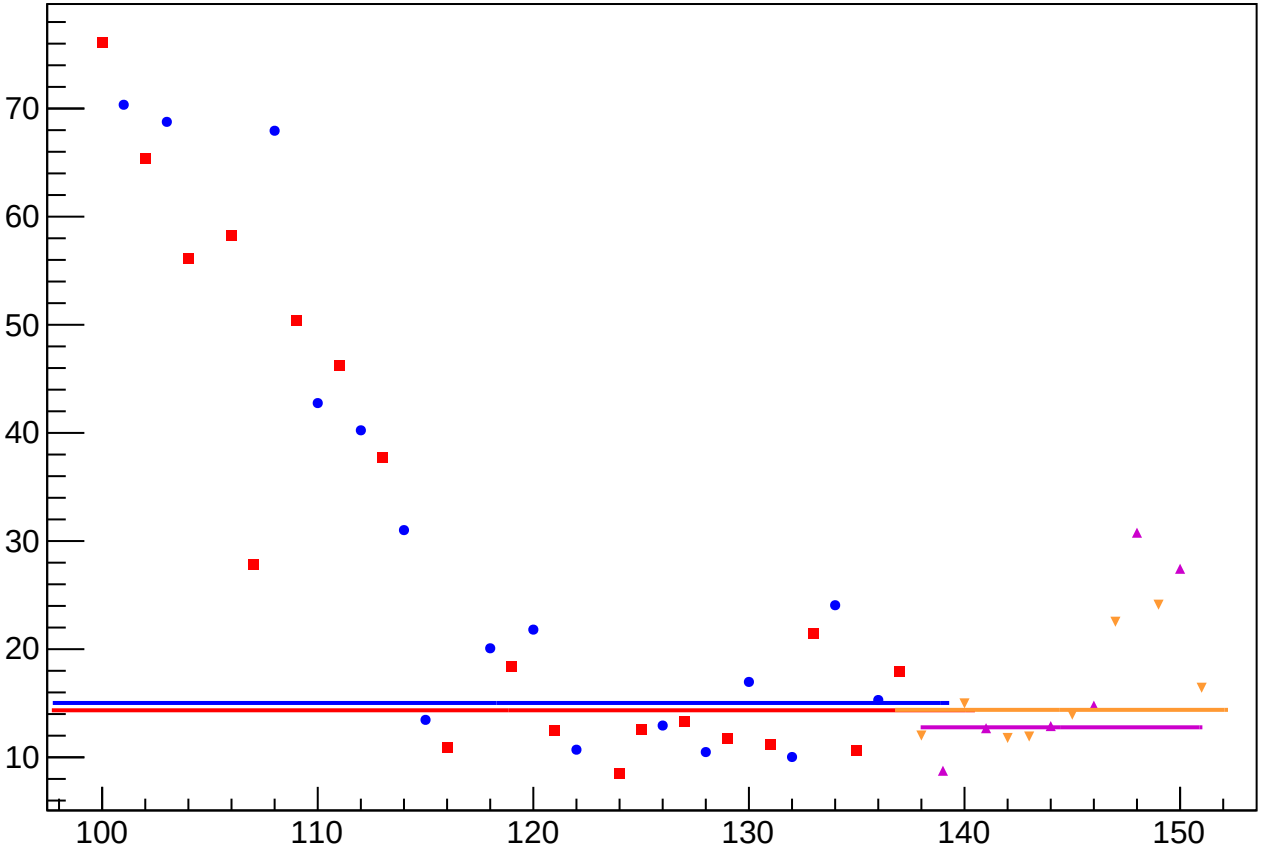
Left In: 0.006+/-0.006 χ^2/NDF:13.4/5

+ sign 0.000+/-0.005 χ^2/NDF: 24.0/23

All: 0.004+/-0.003 χ^2/NDF: 51.4/48

- sign 0.007+/-0.004 χ^2/NDF: 26.1/24

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.388+/-0.004 χ^2/NDF:663686.5/7

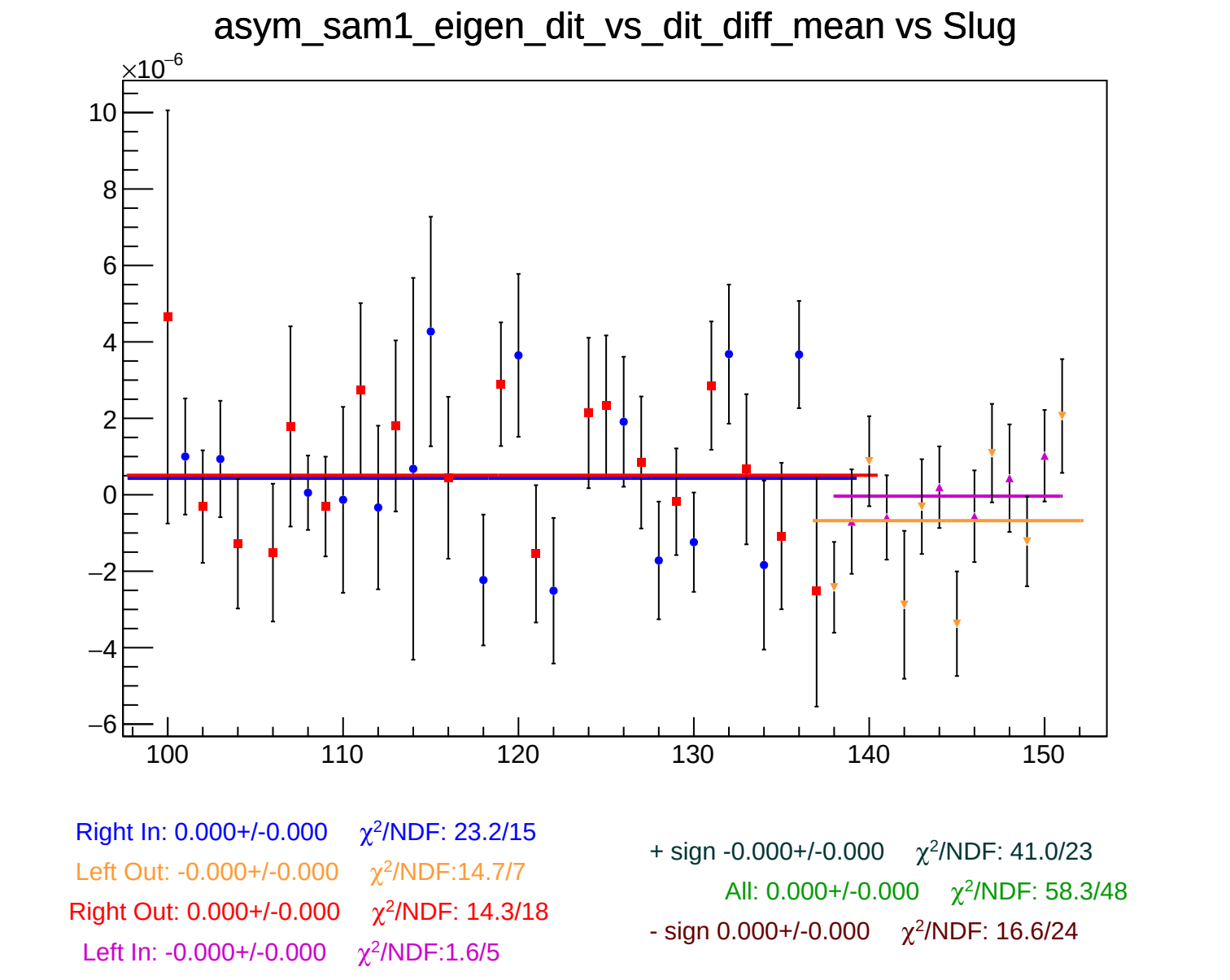
Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

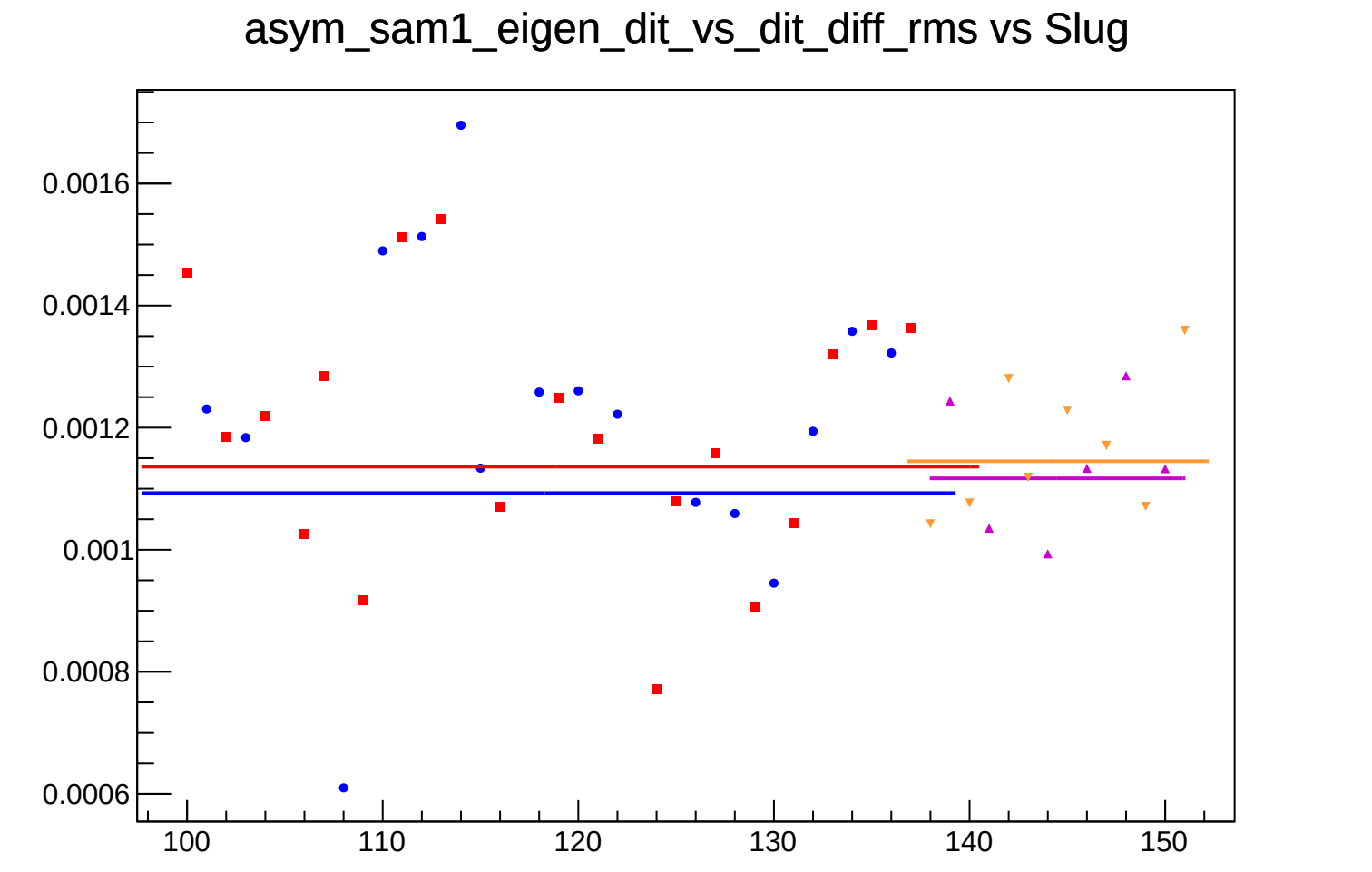
Left In: 12.774+/-0.004 χ^2/NDF:1416962.4/5

+ sign 14.678+/-0.003 χ^2/NDF: 4111728.7/23

All: 14.102+/-0.002 χ^2/NDF: 9283086.4/48

- sign 13.545+/-0.003 χ^2/NDF: 5108019.3/24


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
Right In: 0.000+/-0.000 χ²/NDF: 23.2/15
Left Out: -0.000+/-0.000 χ²/NDF:14.7/7
Right Out: 0.000+/-0.000 χ²/NDF: 14.3/18
Left In: -0.000+/-0.000 χ²/NDF:1.6/5
+ sign -0.000+/-0.000 χ²/NDF: 41.0/23
All: 0.000+/-0.000 χ²/NDF: 58.3/48
- sign 0.000+/-0.000 χ²/NDF: 16.6/24



Right In: 0.001+/-0.000 χ^2/NDF: 831840.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:89988.8/7

Right Out: 0.001+/-0.000 χ^2/NDF: 407257.8/18

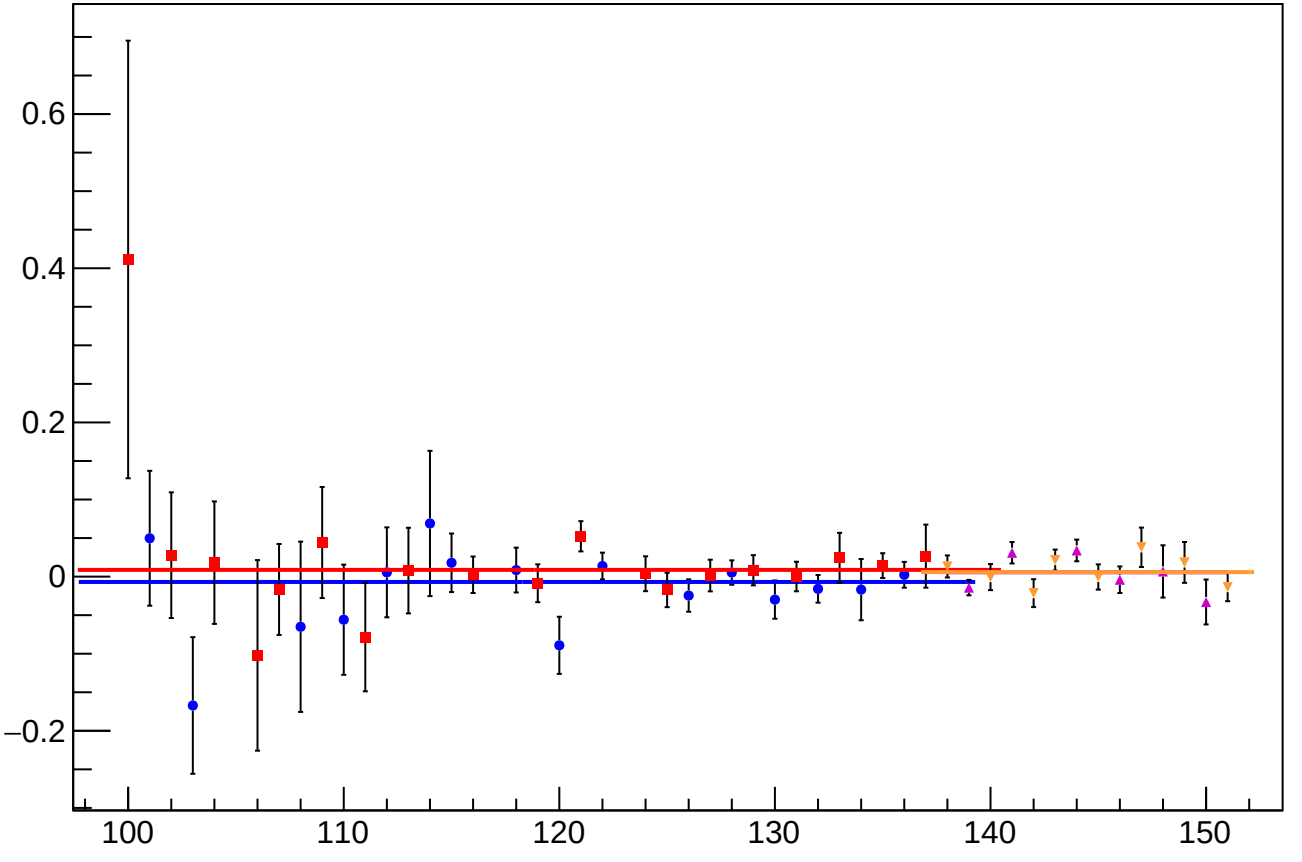
Left In: 0.001+/-0.000 χ^2/NDF:84113.9/5

+ sign 0.001+/-0.000 χ^2/NDF: 935756.1/23

All: 0.001+/-0.000 χ^2/NDF: 1430219.0/48

- sign 0.001+/-0.000 χ^2/NDF: 493107.8/24

asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.006 χ^2/NDF:7.1/7

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

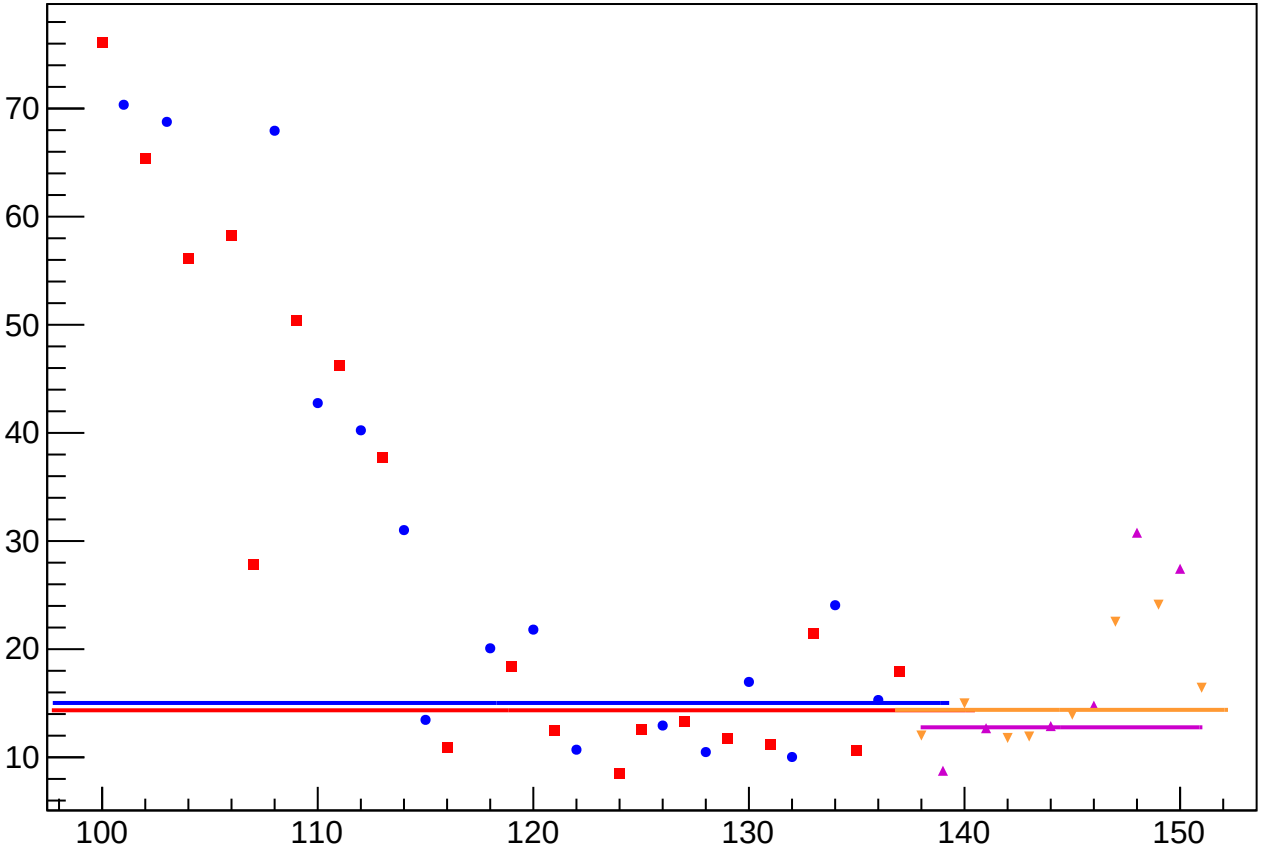
Left In: 0.006+/-0.006 χ^2/NDF:13.4/5

+ sign 0.000+/-0.005 χ^2/NDF: 24.0/23

All: 0.004+/-0.003 χ^2/NDF: 51.4/48

- sign 0.007+/-0.004 χ^2/NDF: 26.1/24

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.388+/-0.004 χ^2/NDF:663674.3/7

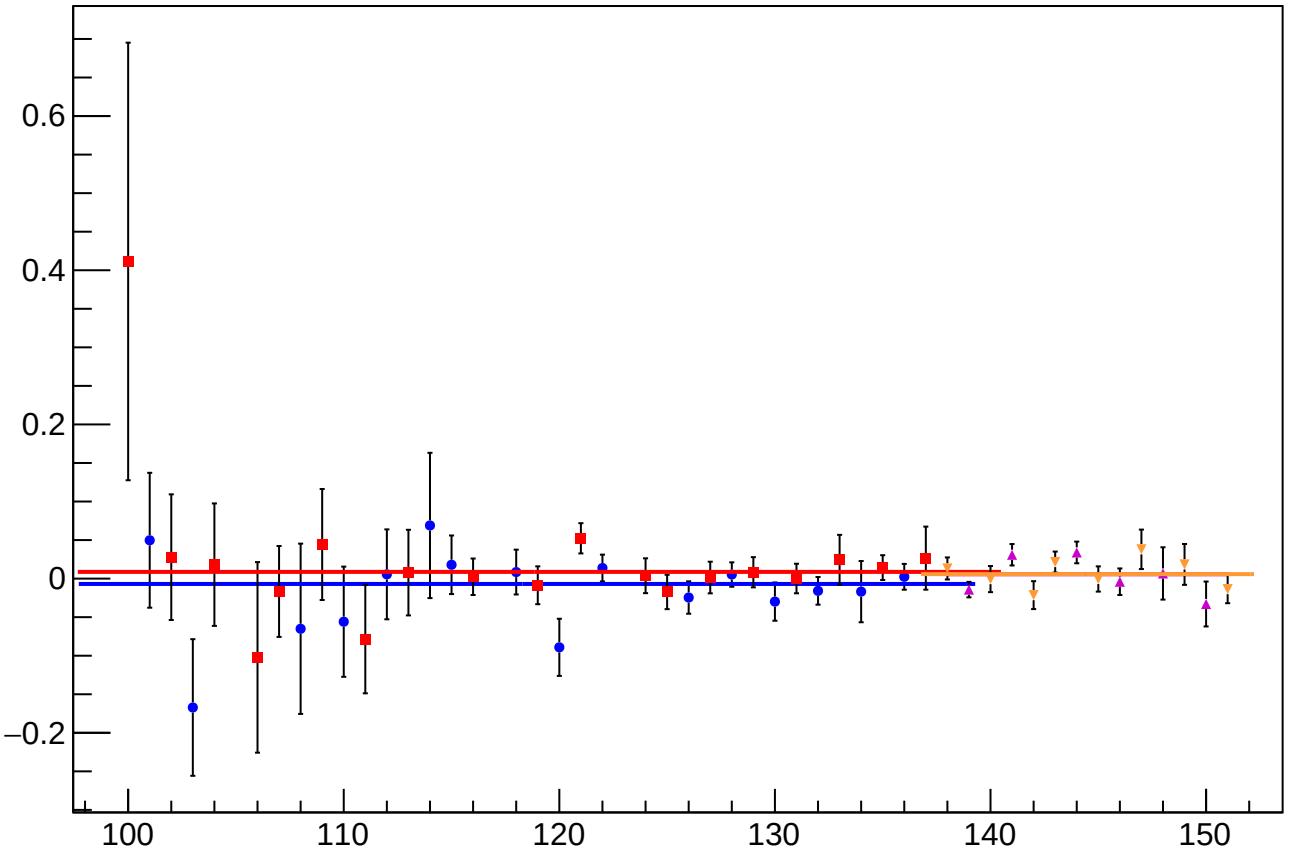
Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 12.774+/-0.004 χ^2/NDF:1416974.7/5

+ sign 14.678+/-0.003 χ^2/NDF: 4111728.2/23

All: 14.102+/-0.002 χ^2/NDF: 9283083.4/48

- sign 13.544+/-0.003 χ^2/NDF: 5108016.8/24



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.006 χ^2/NDF:7.1/7

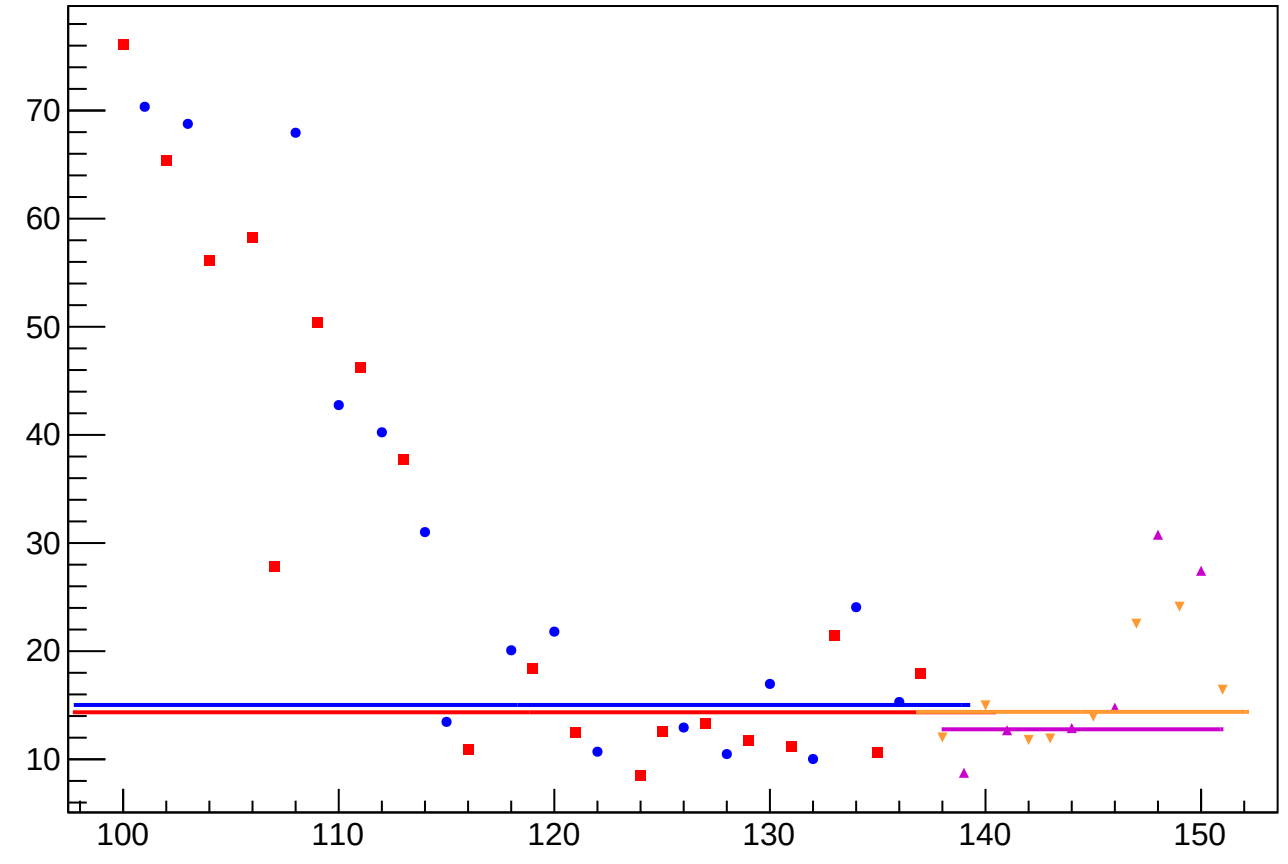
Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.006+/-0.006 χ^2/NDF:13.4/5

+ sign 0.000+/-0.005 χ^2/NDF: 24.0/23

All: 0.004+/-0.003 χ^2/NDF: 51.4/48

- sign 0.007+/-0.004 χ^2/NDF: 26.1/24



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.388+/-0.004 χ^2/NDF:663674.3/7

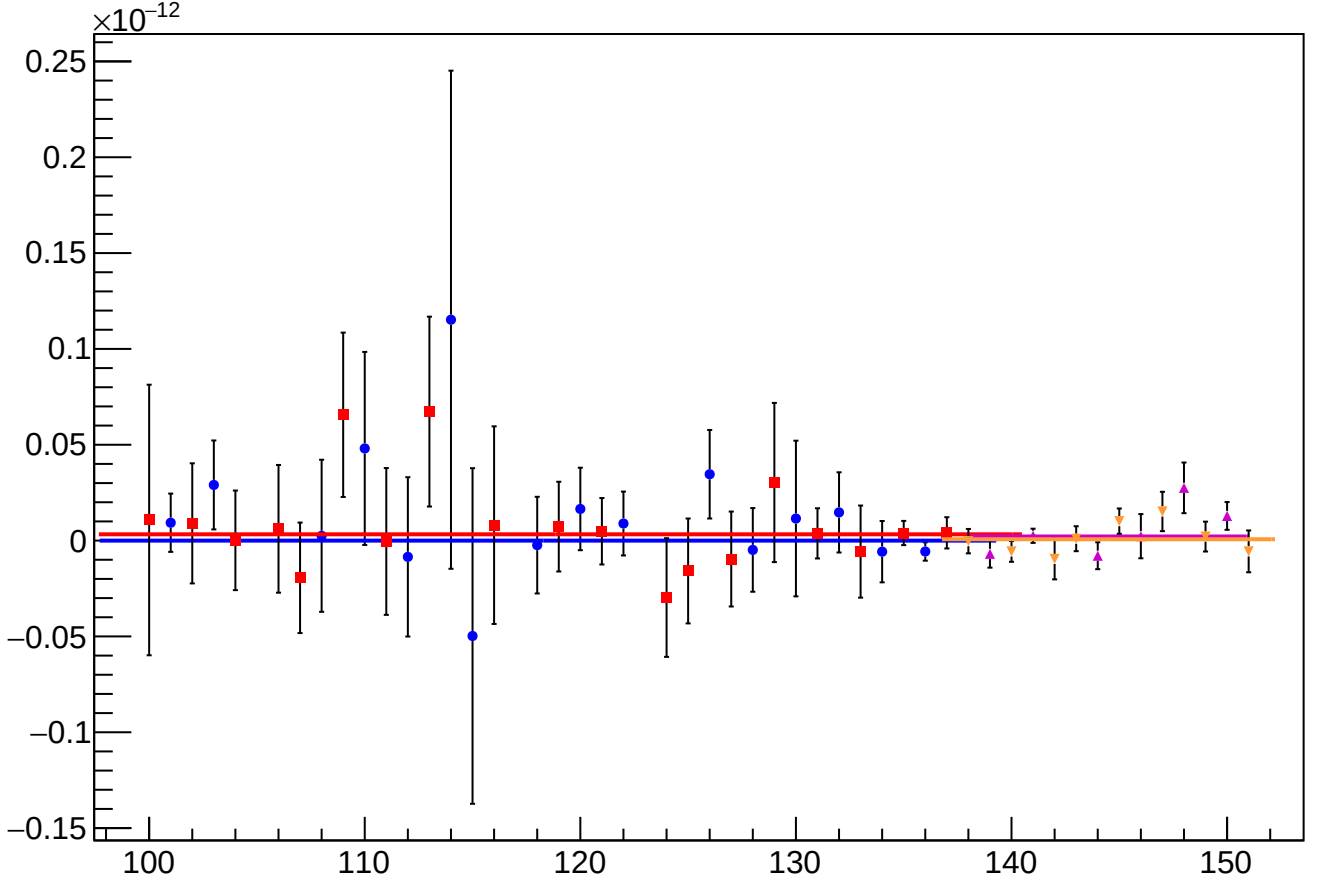
Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 12.774+/-0.004 χ^2/NDF:1416974.7/5

+ sign 14.678+/-0.003 χ^2/NDF: 4111728.2/23

All: 14.102+/-0.002 χ^2/NDF: 9283083.4/48

- sign 13.544+/-0.003 χ^2/NDF: 5108016.8/24



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.7/7

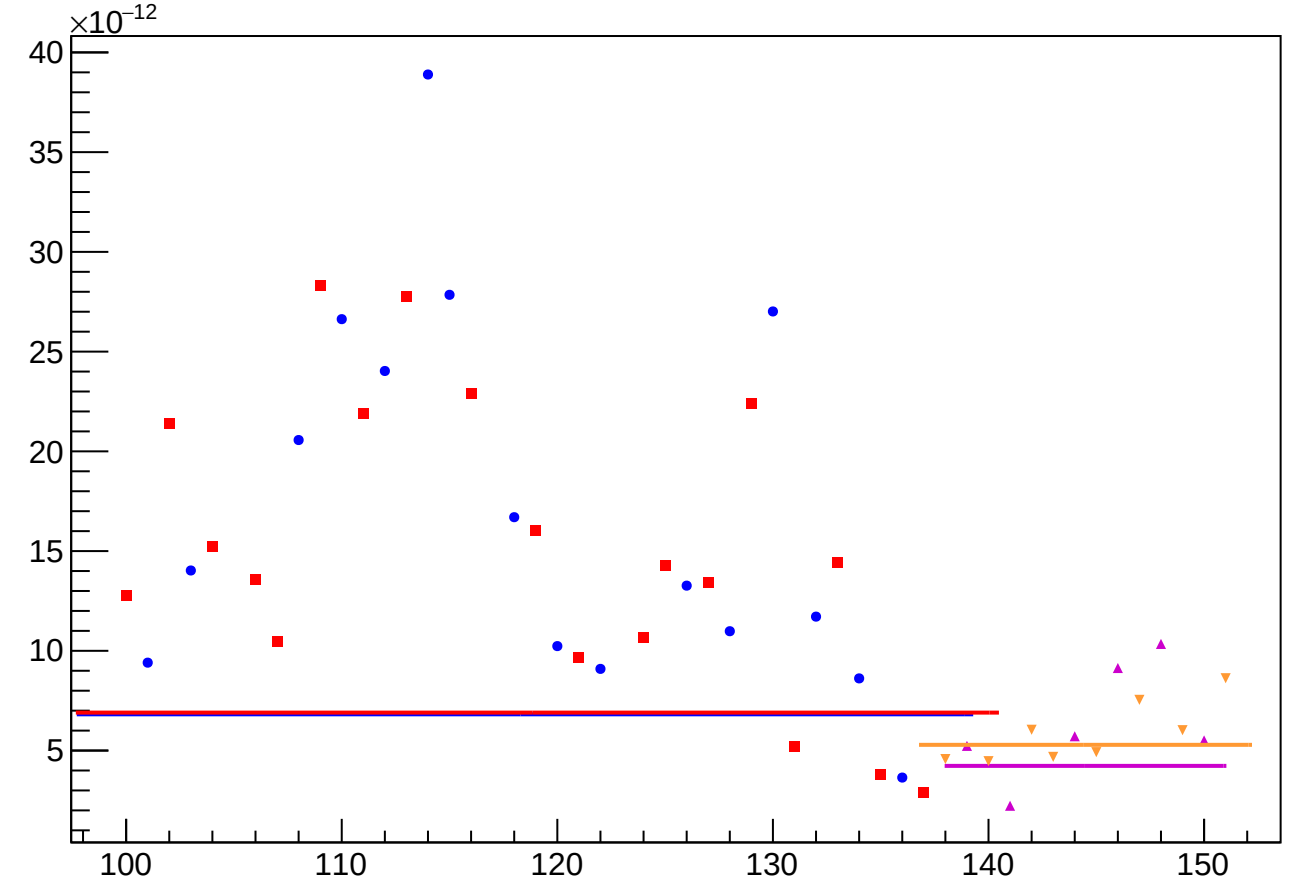
Right Out: 0.000+/-0.000 χ^2/NDF: 7.0/18

Left In: 0.000+/-0.000 χ^2/NDF:9.5/5

+ sign 0.000+/-0.000 χ^2/NDF: 16.1/23

All: 0.000+/-0.000 χ^2/NDF: 33.1/48

- sign 0.000+/-0.000 χ^2/NDF: 16.6/24



Right In: 0.000+/-0.000 χ^2/NDF: 3511411.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:405622.6/7

Right Out: 0.000+/-0.000 χ^2/NDF: 4241227.1/18

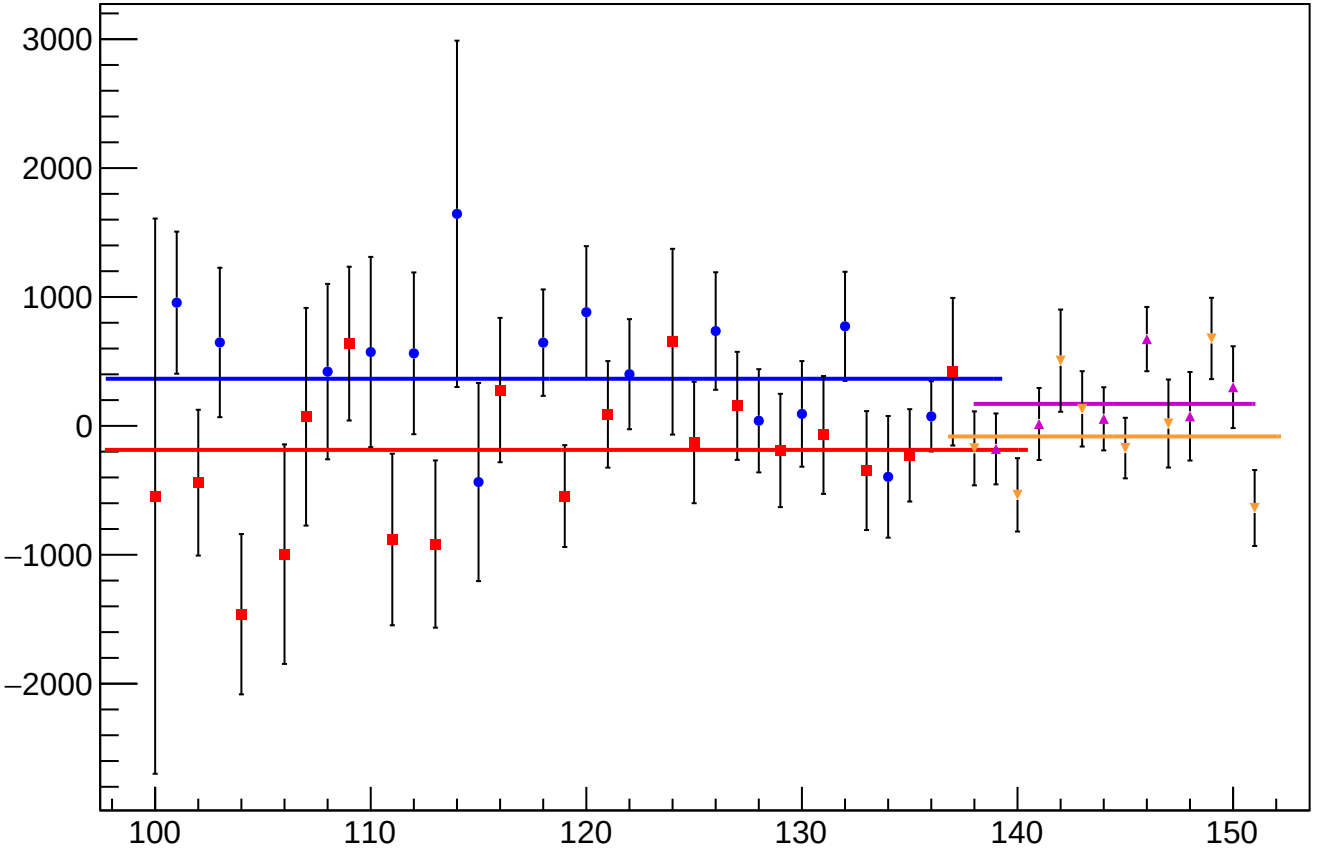
Left In: 0.000+/-0.000 χ^2/NDF:1562674.7/5

+ sign 0.000+/-0.000 χ^2/NDF: 4138990.3/23

All: 0.000+/-0.000 χ^2/NDF: 10688848.7/48

- sign 0.000+/-0.000 χ^2/NDF: 6438218.7/24

reg_asym_sam2_mean vs Slug



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -82.019+/-104.918 χ^2/NDF:15.0/7

Right Out: -186.141+/-120.188 χ^2/NDF: 15.0/18

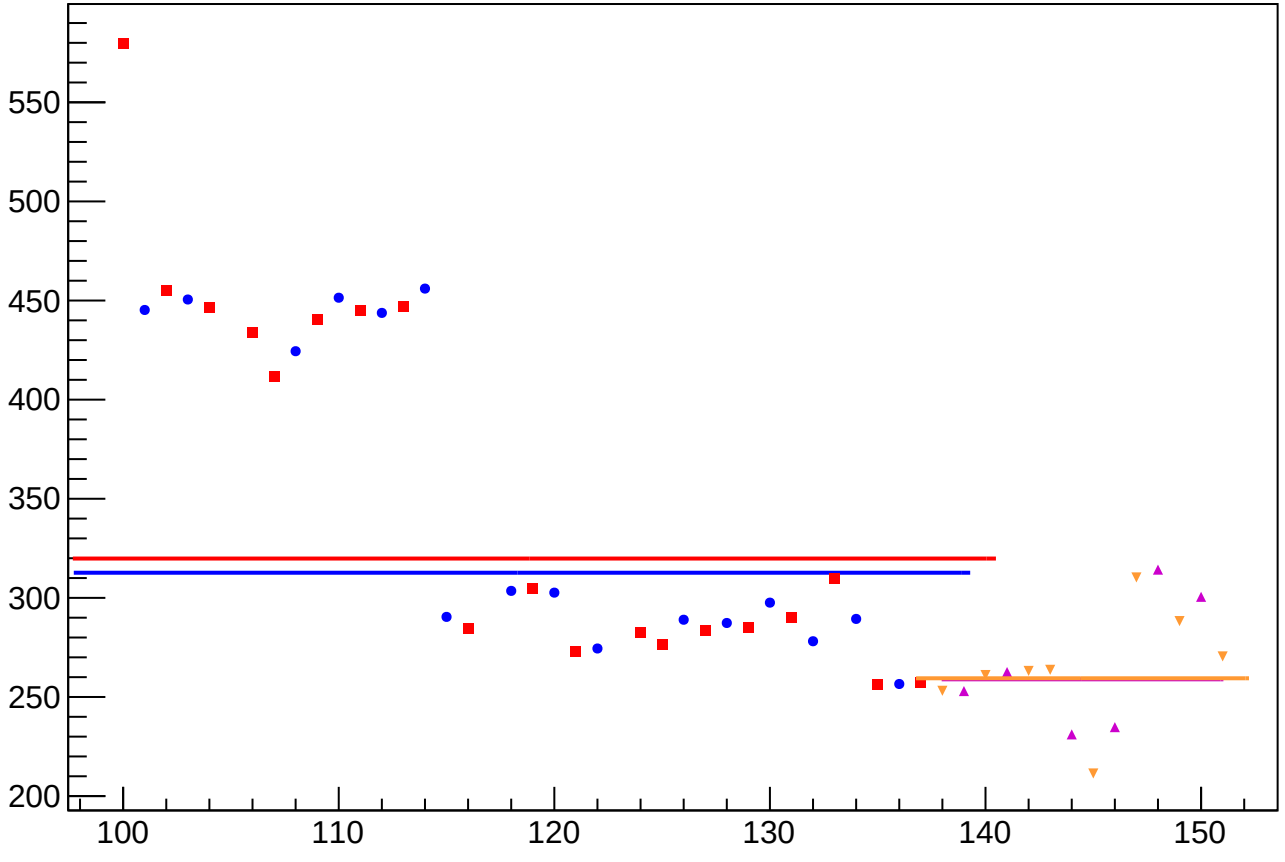
Left In: 170.789+/-113.818 χ^2/NDF:6.5/5

+ sign 113.961+/-78.662 χ^2/NDF: 34.4/23

All: 60.756+/-56.977 χ^2/NDF: 61.5/48

- sign 2.032+/-82.642 χ^2/NDF: 26.1/24

reg_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 259.433+/-0.074 χ^2/NDF:149131.5/7

Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

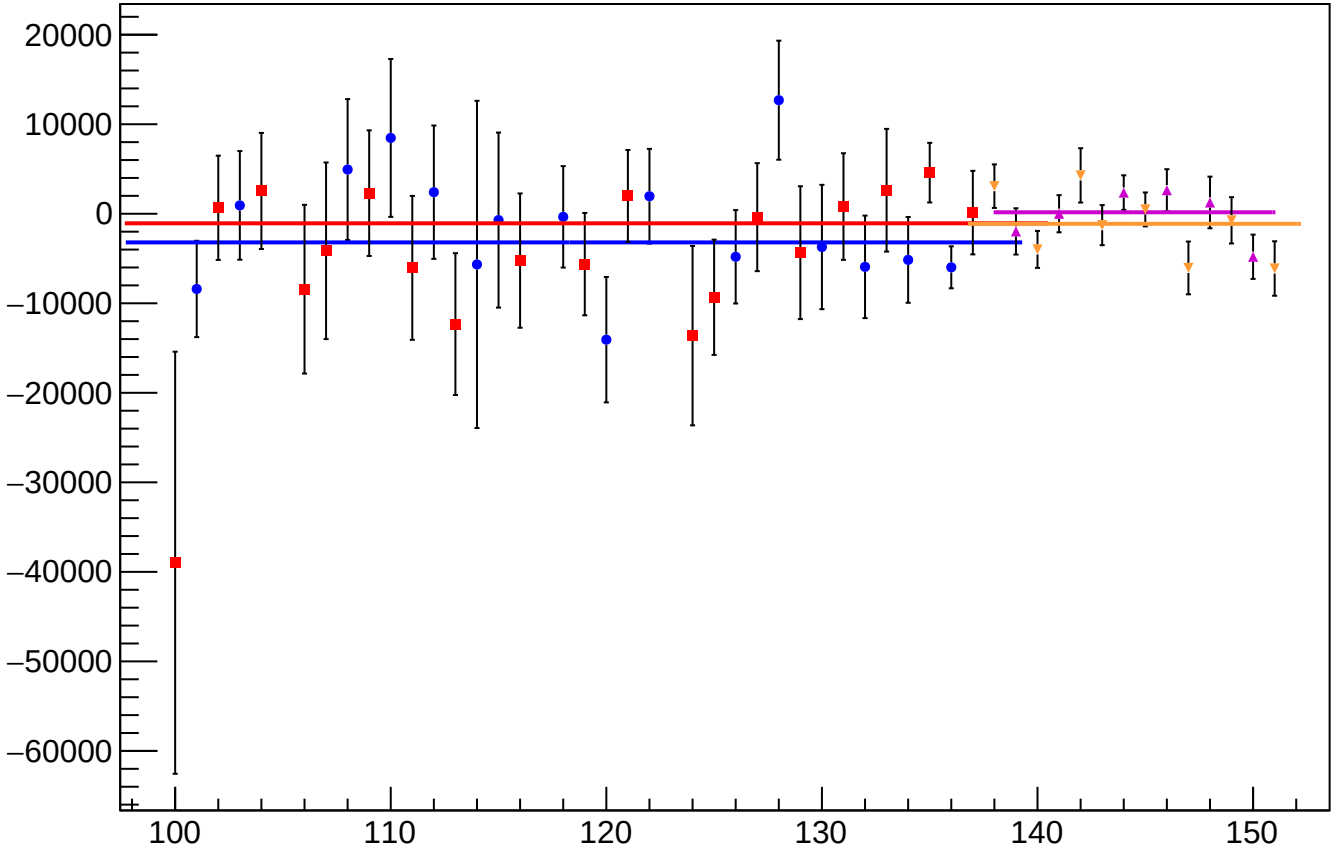
Left In: 258.908+/-0.080 χ^2/NDF:132027.1/5

\+ sign 282.750+/-0.056 χ^2/NDF: 976929.7/23

All: 285.111+/-0.040 χ^2/NDF: 2081635.5/48

\- sign 287.717+/-0.058 χ^2/NDF: 1100916.0/24

asym_sam2_reg_correction_mean vs Slug



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: -1124.091+/-856.435 χ^2/NDF:14.3/7

Right Out: -1065.939+/-1443.326 χ^2/NDF: 14.4/18

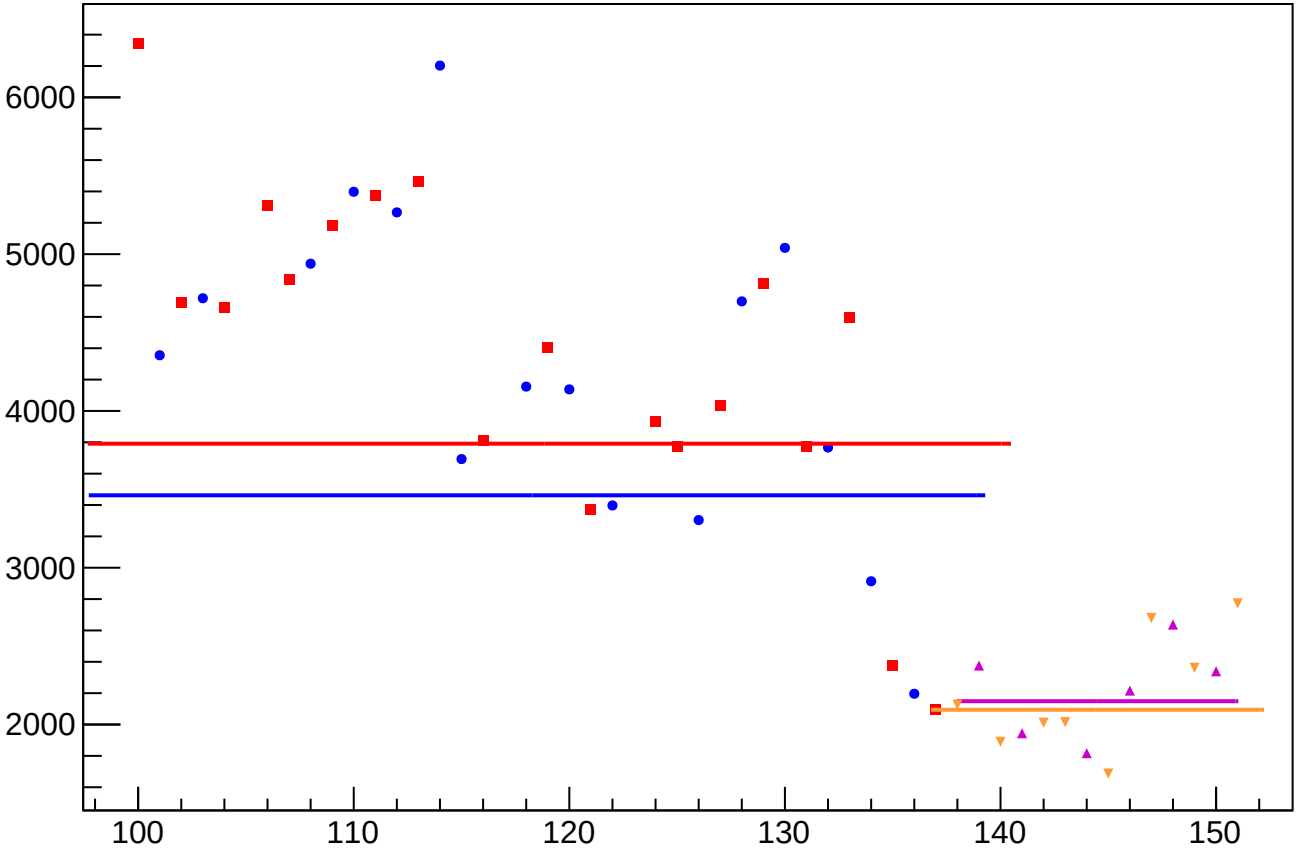
Left In: 164.119+/-946.602 χ^2/NDF:7.3/5

+ sign -1717.055+/-723.769 χ^2/NDF: 32.1/23

All: -1028.910+/-534.141 χ^2/NDF: 56.3/48

- sign -205.840+/-791.551 χ^2/NDF: 22.2/24

asym_sam2_reg_correction_rms vs Slug



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 2094.255+/-0.606 χ^2/NDF:316314.6/7

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

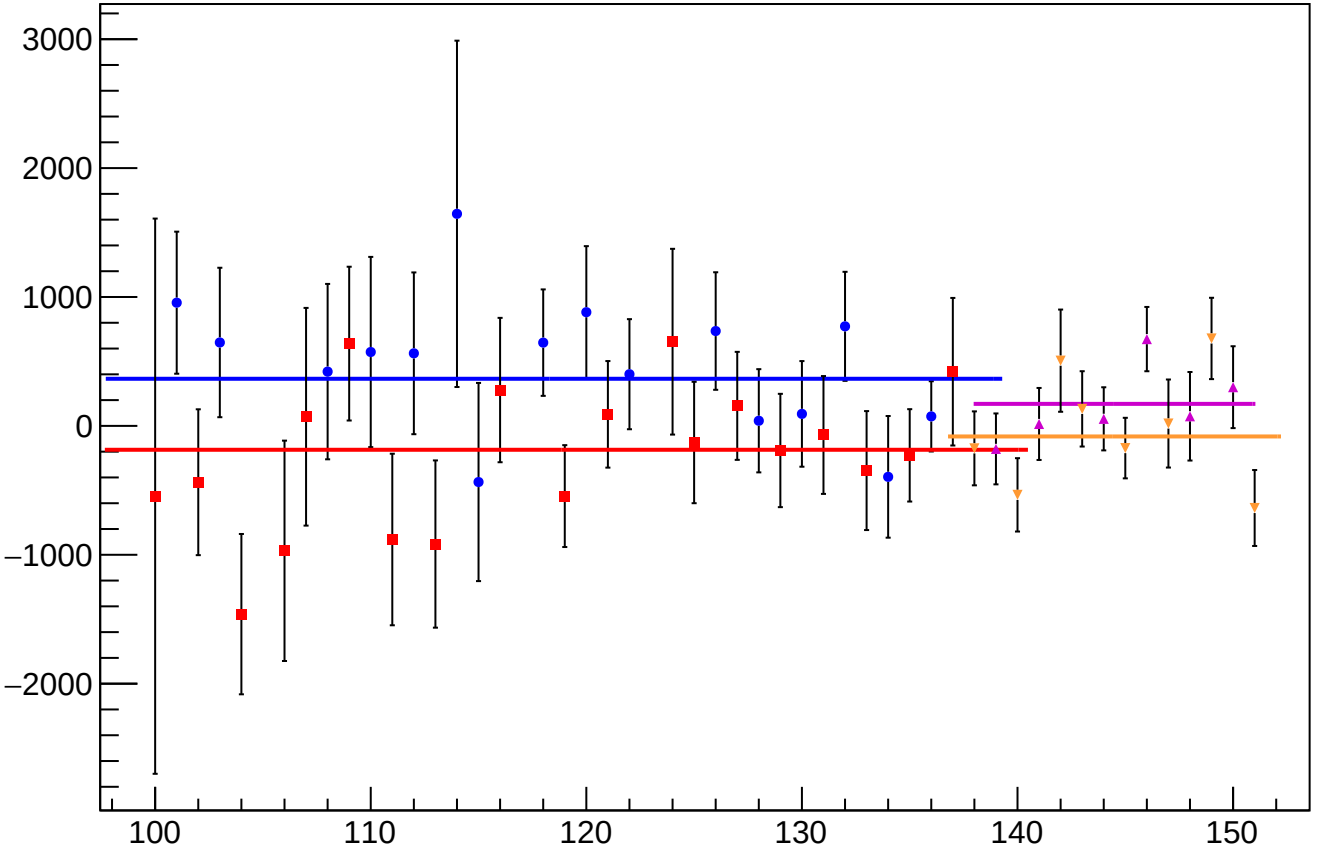
Left In: 2148.779+/-0.669 χ^2/NDF:164998.5/5

+ sign 2485.154+/-0.512 χ^2/NDF: 3083661.2/23

All: 2556.924+/-0.378 χ^2/NDF: 6258510.8/48

- sign 2642.766+/-0.560 χ^2/NDF: 3131662.1/24

cor_asym_sam2_mean vs Slug



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -82.016+/-104.918 χ^2/NDF:15.0/7

Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

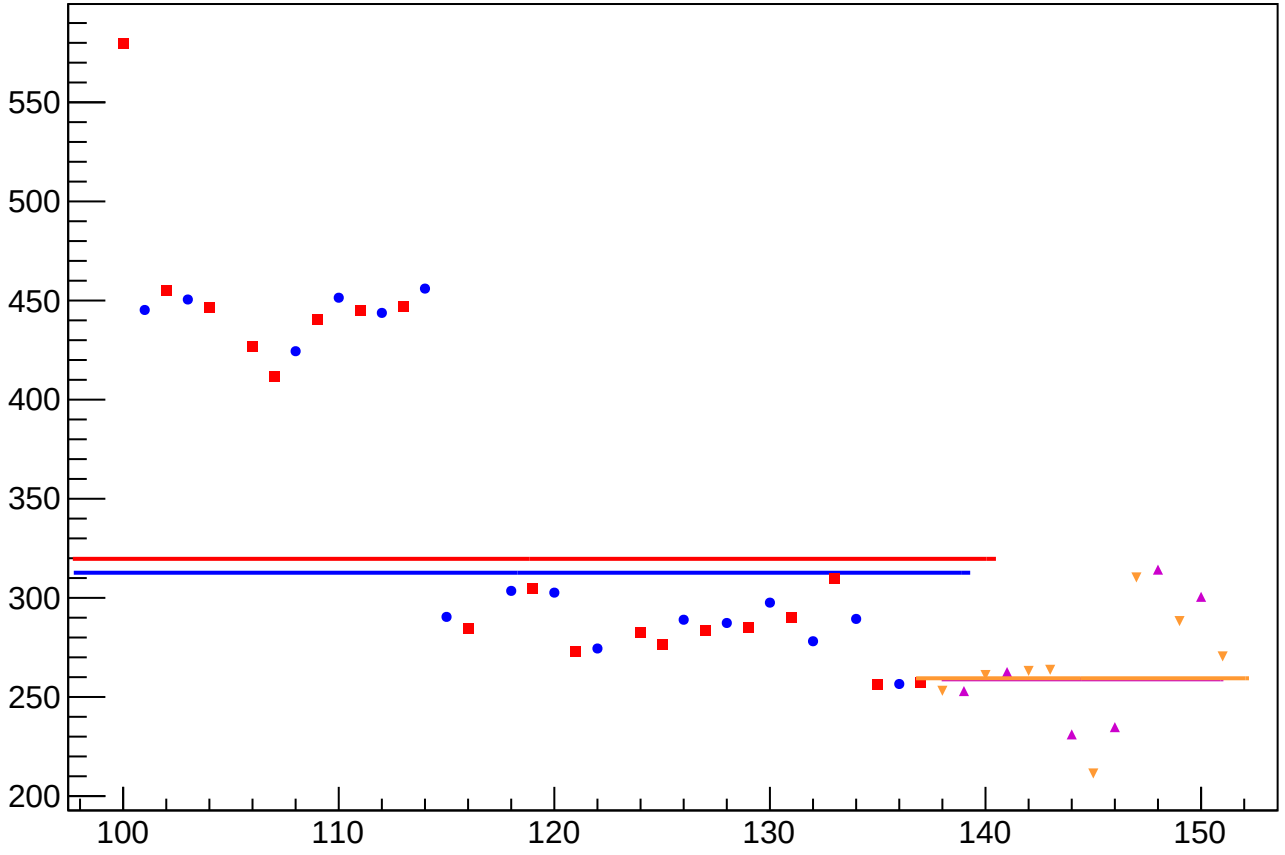
Left In: 170.786+/-113.818 χ^2/NDF:6.5/5

+ sign 113.955+/-78.662 χ^2/NDF: 34.4/23

All: 60.945+/-56.978 χ^2/NDF: 61.4/48

- sign 2.430+/-82.645 χ^2/NDF: 26.0/24

cor_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 259.433+/-0.074 χ^2/NDF:149131.5/7

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

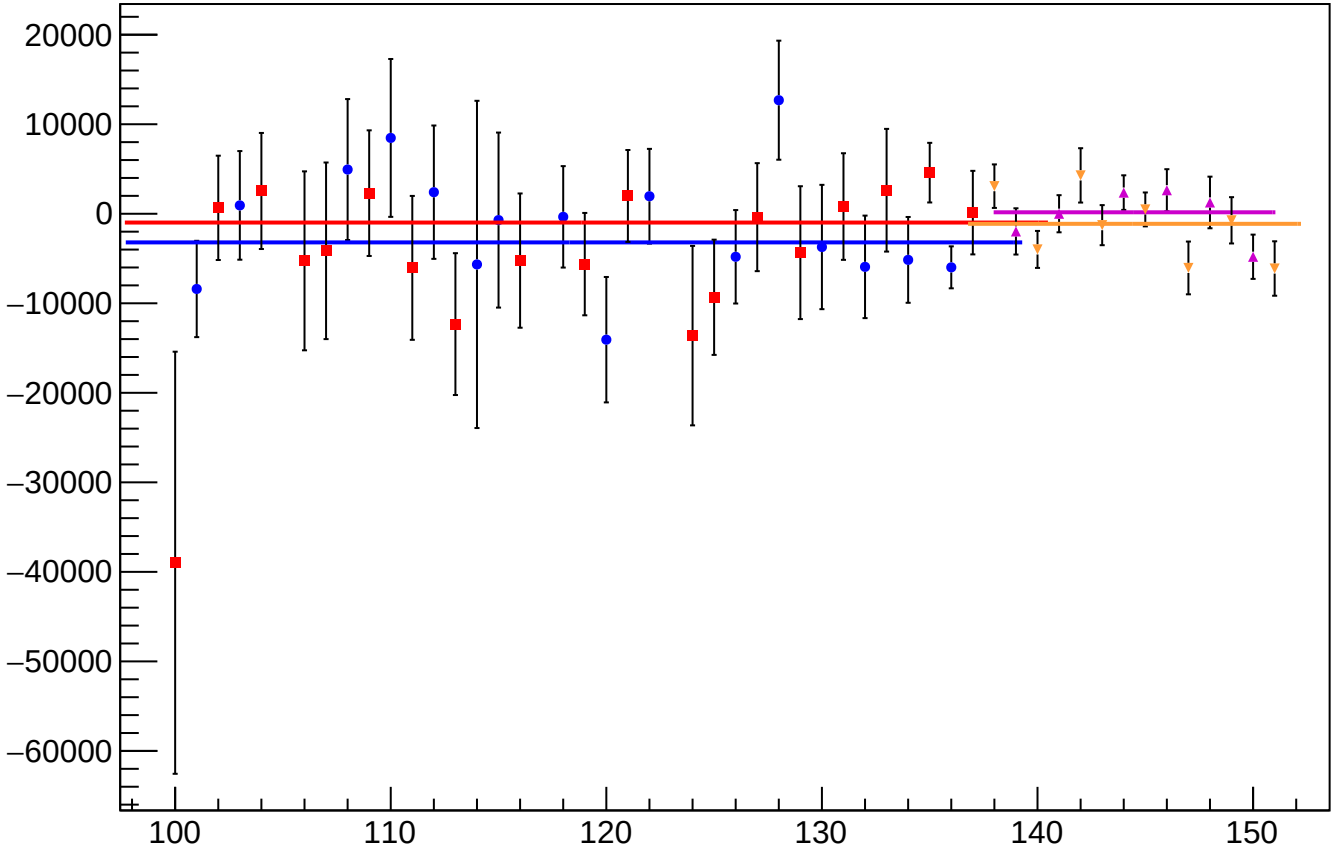
Left In: 258.908+/-0.080 χ^2/NDF:132027.1/5

\+ sign 282.750+/-0.056 χ^2/NDF: 976931.3/23

All: 285.076+/-0.040 χ^2/NDF: 2076020.2/48

\- sign 287.644+/-0.058 χ^2/NDF: 1095409.6/24

asym_sam2_cor_correction_mean vs Slug



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1124.084+/-856.435 χ^2/NDF:14.3/7

Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

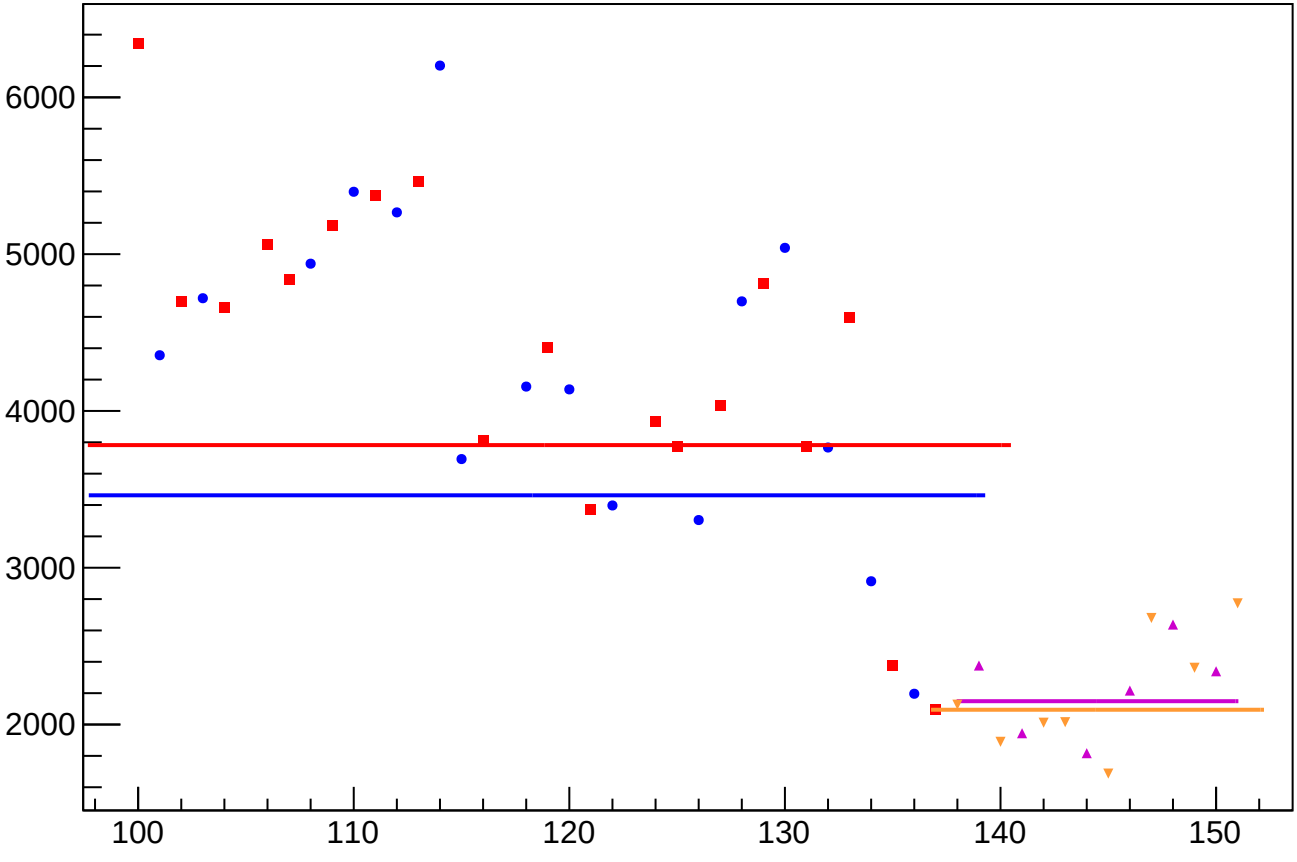
Left In: 164.103+/-946.602 χ^2/NDF:7.3/5

+ sign -1717.028+/-723.770 χ^2/NDF: 32.1/23

All: -1017.272+/-534.239 χ^2/NDF: 55.8/48

- sign -179.640+/-791.870 χ^2/NDF: 21.7/24

asym_sam2_cor_correction_rms vs Slug



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2094.254+/-0.606 χ^2/NDF:316315.3/7

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

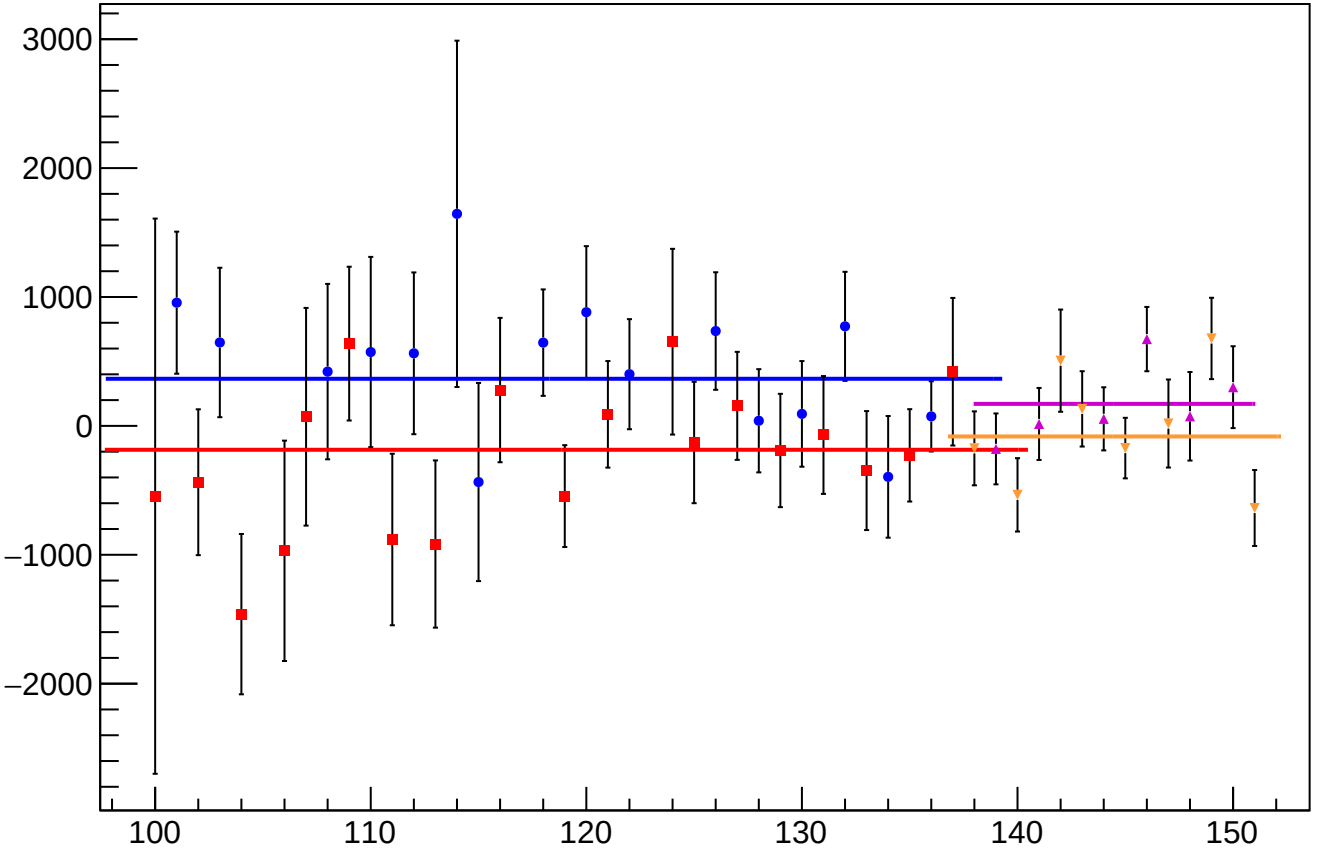
Left In: 2148.780+/-0.669 χ^2/NDF:164999.0/5

+ sign 2485.154+/-0.512 χ^2/NDF: 3083684.7/23

All: 2555.237+/-0.378 χ^2/NDF: 6213911.4/48

- sign 2639.128+/-0.560 χ^2/NDF: 3089027.4/24

eigen_cor_asym_sam2_mean vs Slug



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -82.016+/-104.918 χ^2/NDF:15.0/7

Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

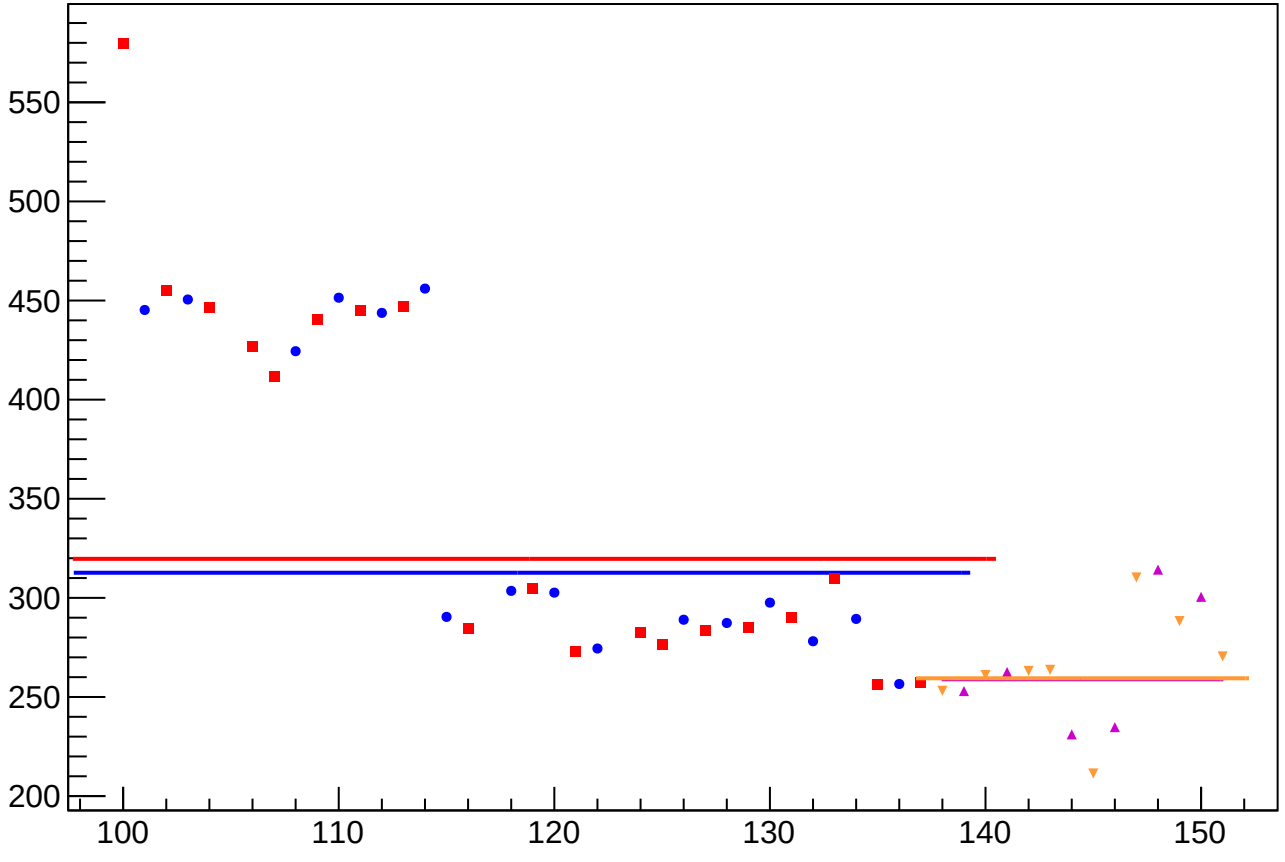
Left In: 170.786+/-113.818 χ^2/NDF:6.5/5

+ sign 113.955+/-78.662 χ^2/NDF: 34.4/23

All: 60.945+/-56.978 χ^2/NDF: 61.4/48

- sign 2.430+/-82.645 χ^2/NDF: 26.0/24

eigen_cor_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 259.433+/-0.074 χ^2/NDF:149131.5/7

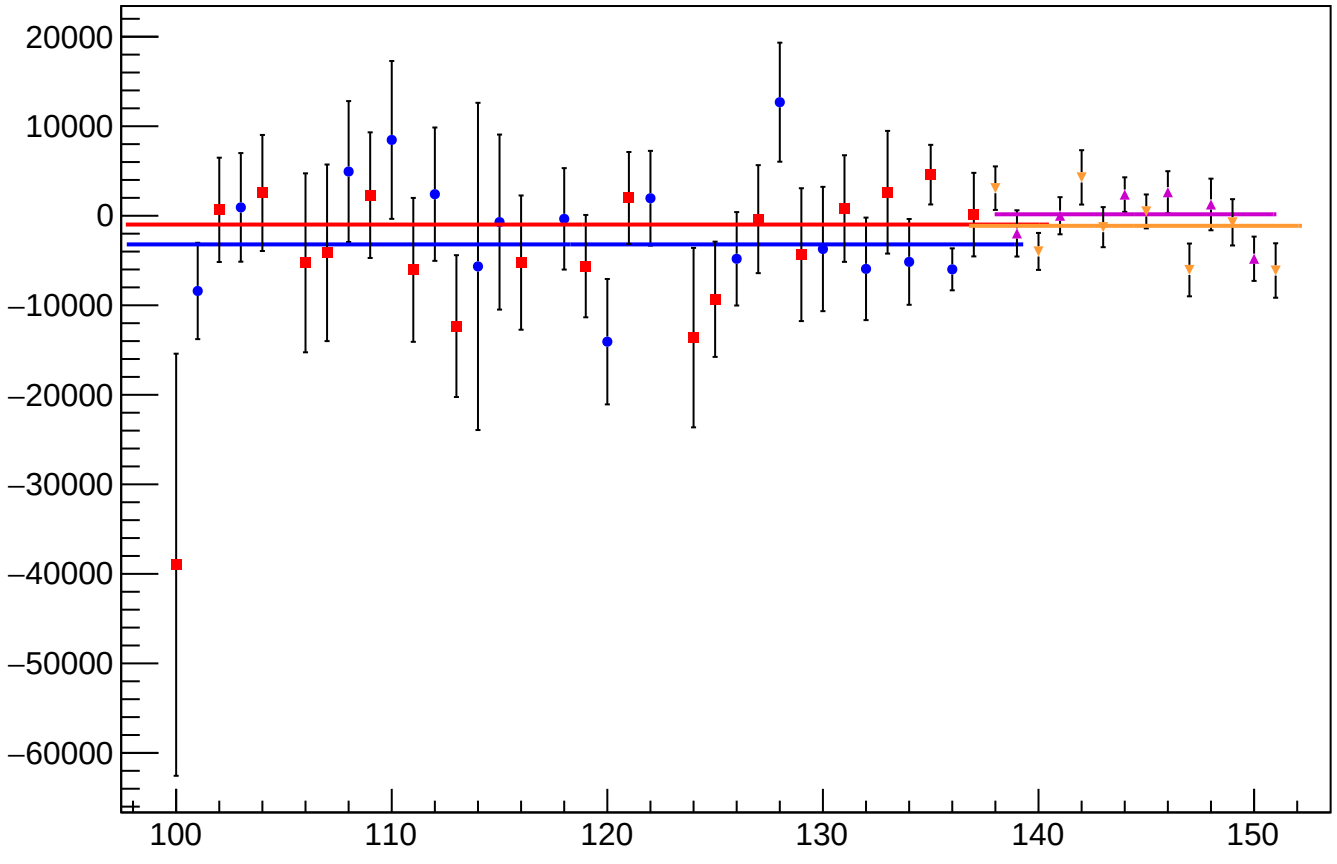
Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 258.908+/-0.080 χ^2/NDF:132027.1/5

\+ sign 282.750+/-0.056 χ^2/NDF: 976931.3/23

All: 285.076+/-0.040 χ^2/NDF: 2076020.2/48

\- sign 287.644+/-0.058 χ^2/NDF: 1095409.6/24



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1124.084+/-856.435 χ^2/NDF:14.3/7

Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

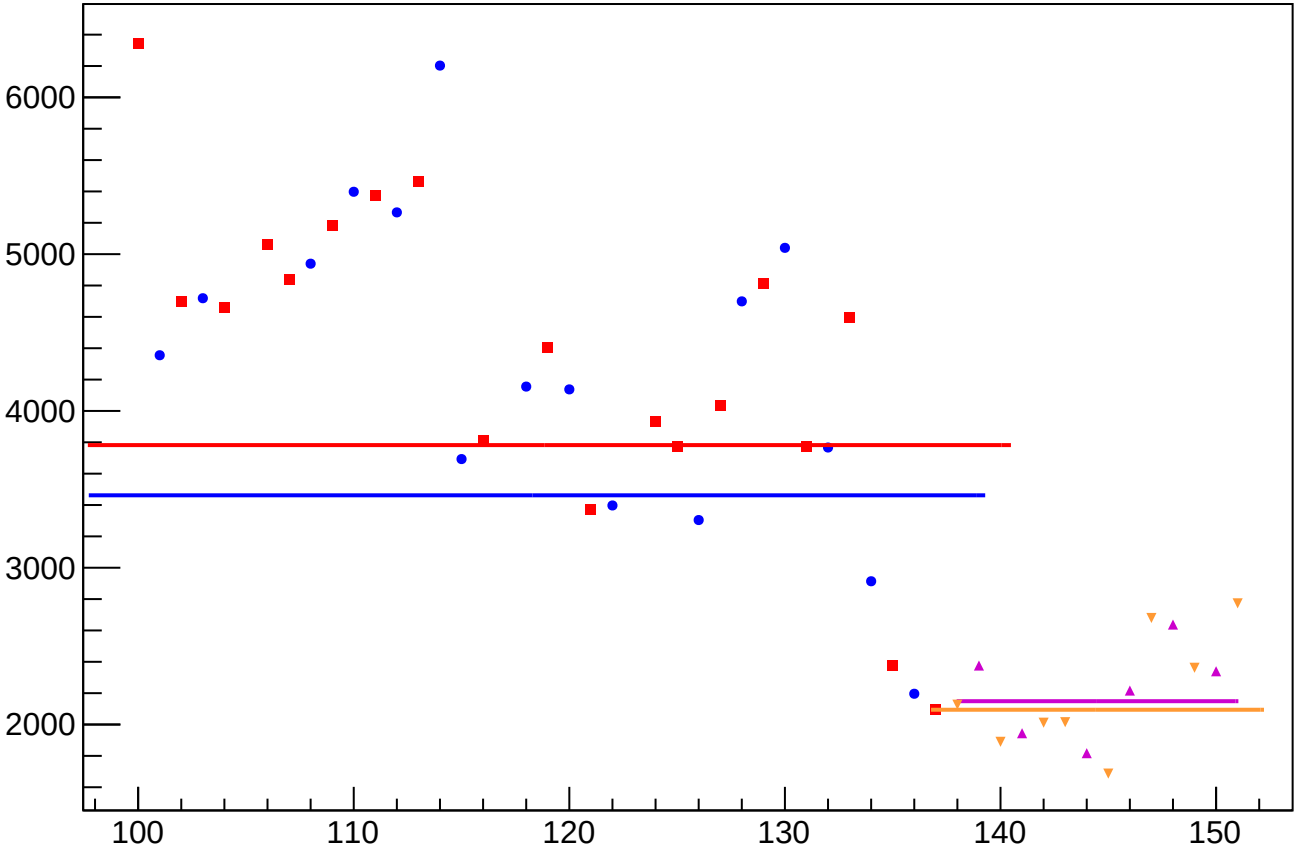
Left In: 164.103+/-946.602 χ^2/NDF:7.3/5

+ sign -1717.028+/-723.770 χ^2/NDF: 32.1/23

All: -1017.272+/-534.239 χ^2/NDF: 55.8/48

- sign -179.640+/-791.870 χ^2/NDF: 21.7/24

asym_sam2_eigen_cor_correction_rms vs Slug



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2094.254+/-0.606 χ^2/NDF:316315.3/7

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

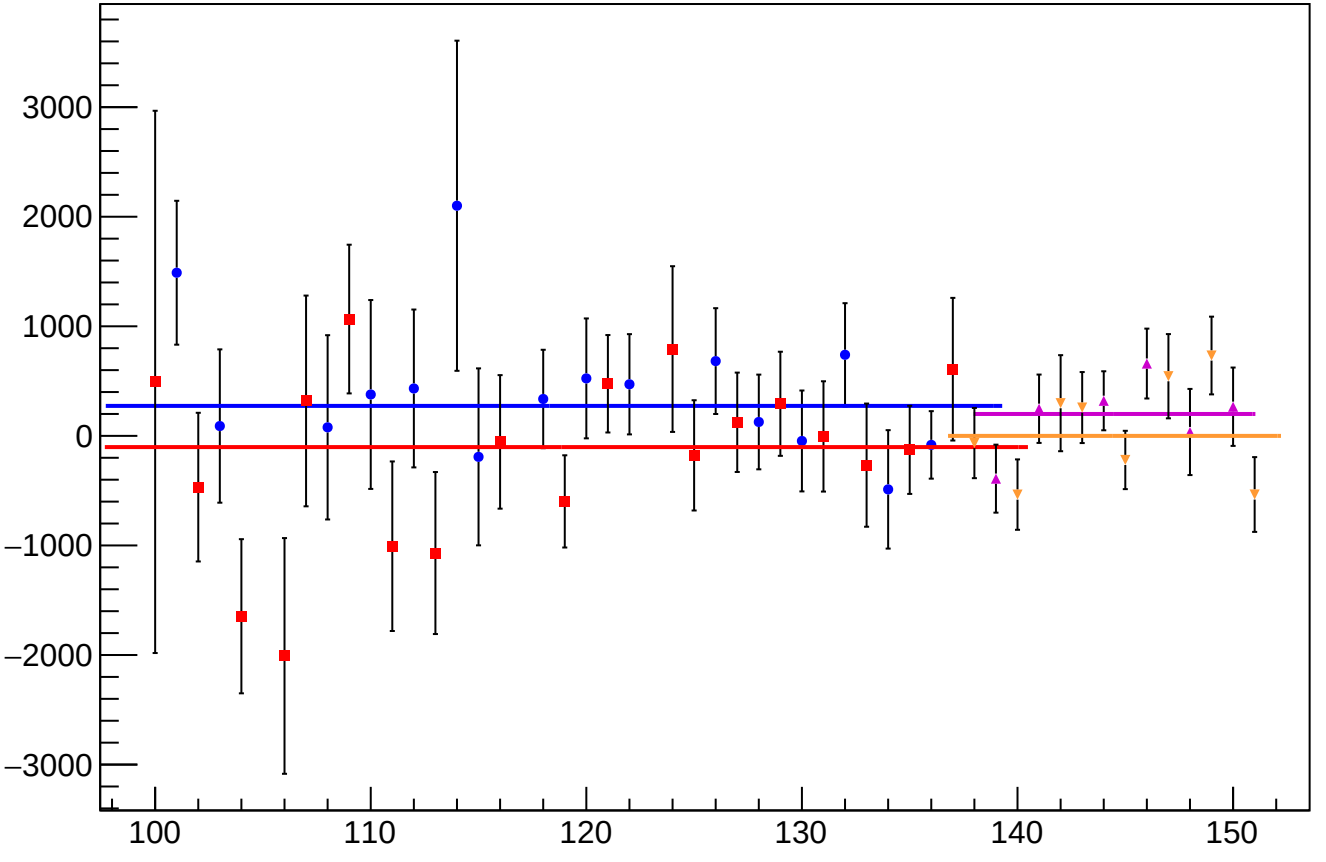
Left In: 2148.780+/-0.669 χ^2/NDF:164999.0/5

+ sign 2485.154+/-0.512 χ^2/NDF: 3083684.7/23

All: 2555.237+/-0.378 χ^2/NDF: 6213911.4/48

- sign 2639.128+/-0.560 χ^2/NDF: 3089027.4/24

dit_asym_sam2_mean vs Slug



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: -0.116+/-118.202 χ^2/NDF:13.3/7

Right Out: -102.369+/-133.606 χ^2/NDF: 21.3/18

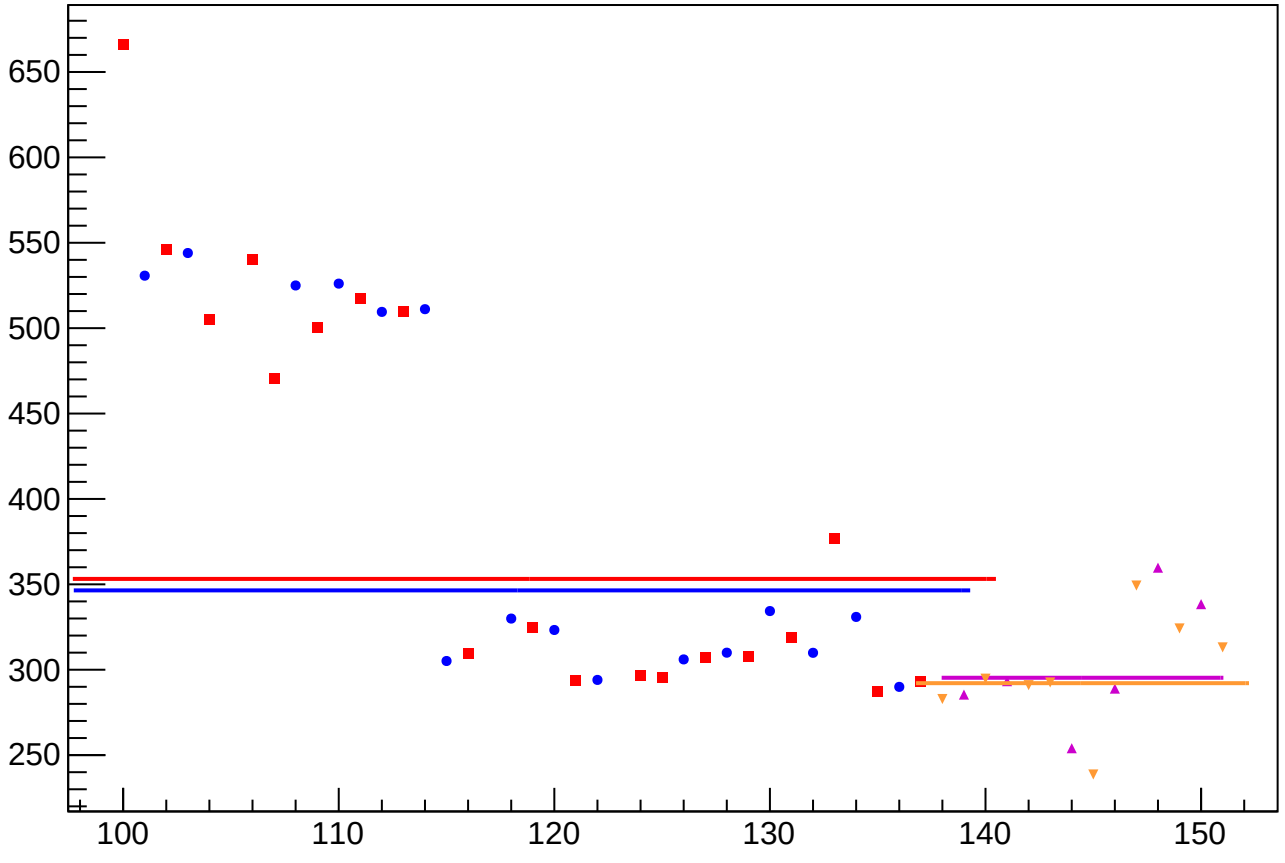
Left In: 199.841+/-130.652 χ^2/NDF:6.1/5

\+ sign 121.134+/-88.216 χ^2/NDF: 27.2/23

All: 88.597+/-64.136 χ^2/NDF: 57.5/48

\- sign 52.114+/-93.412 χ^2/NDF: 30.1/24

dit_asym_sam2_rms vs Slug



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 292.123+/-0.084 χ^2/NDF:150608.1/7

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

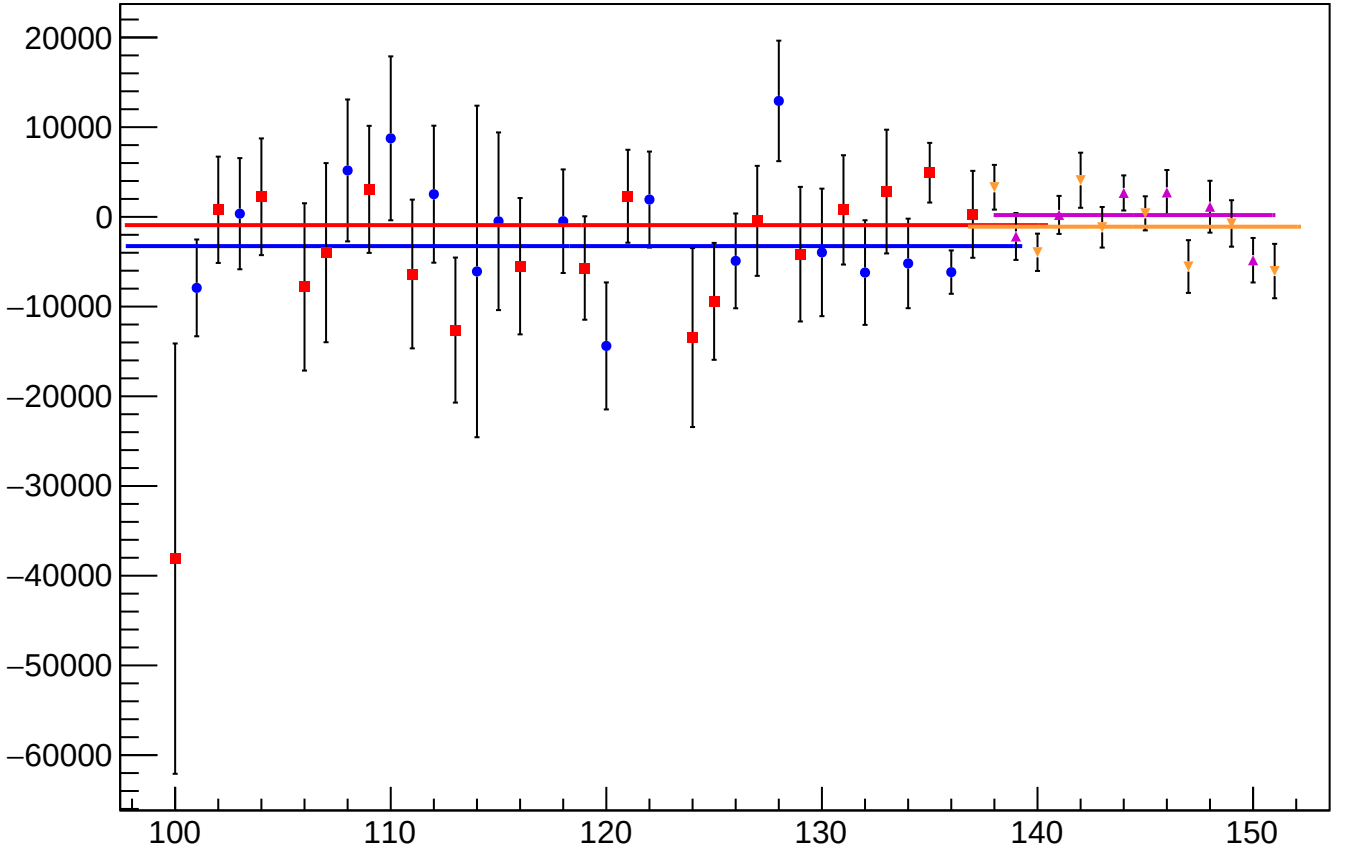
Left In: 295.295+/-0.092 χ^2/NDF:132699.7/5

+ sign 316.193+/-0.062 χ^2/NDF: 1106569.8/23

All: 319.680+/-0.045 χ^2/NDF: 2304151.0/48

- sign 323.589+/-0.066 χ^2/NDF: 1190953.5/24

asym_sam2_dit_correction_mean vs Slug



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -1095.771+/-862.528 χ^2/NDF:13.4/7

Right Out: -921.196+/-1460.727 χ^2/NDF: 14.6/18

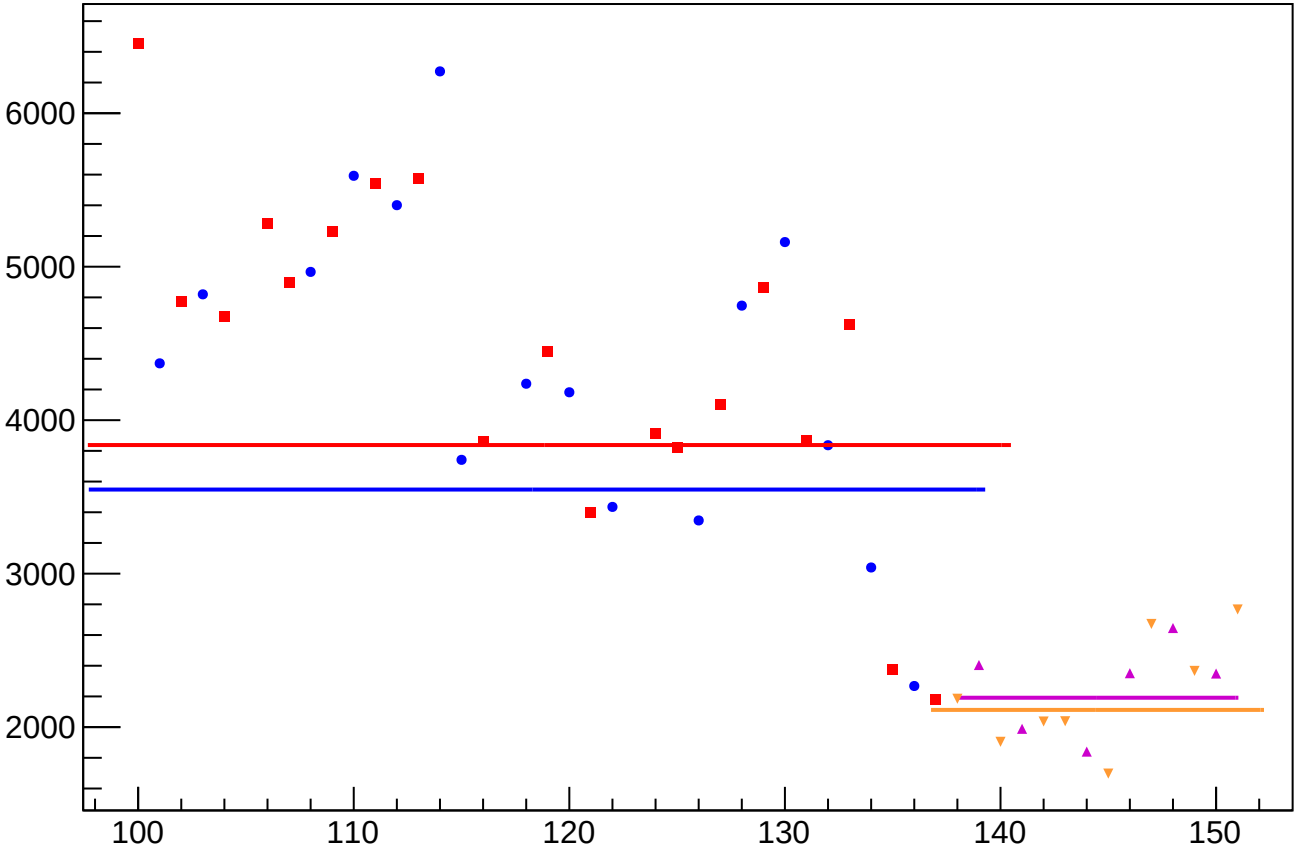
Left In: 200.060+/-965.597 χ^2/NDF:7.7/5

+ sign -1700.788+/-732.030 χ^2/NDF: 31.2/23

All: -995.226+/-541.743 χ^2/NDF: 56.0/48

- sign -140.905+/-805.512 χ^2/NDF: 22.7/24

asym_sam2_dit_correction_rms vs Slug



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 2112.204+/-0.610 χ^2/NDF:305500.0/7

Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

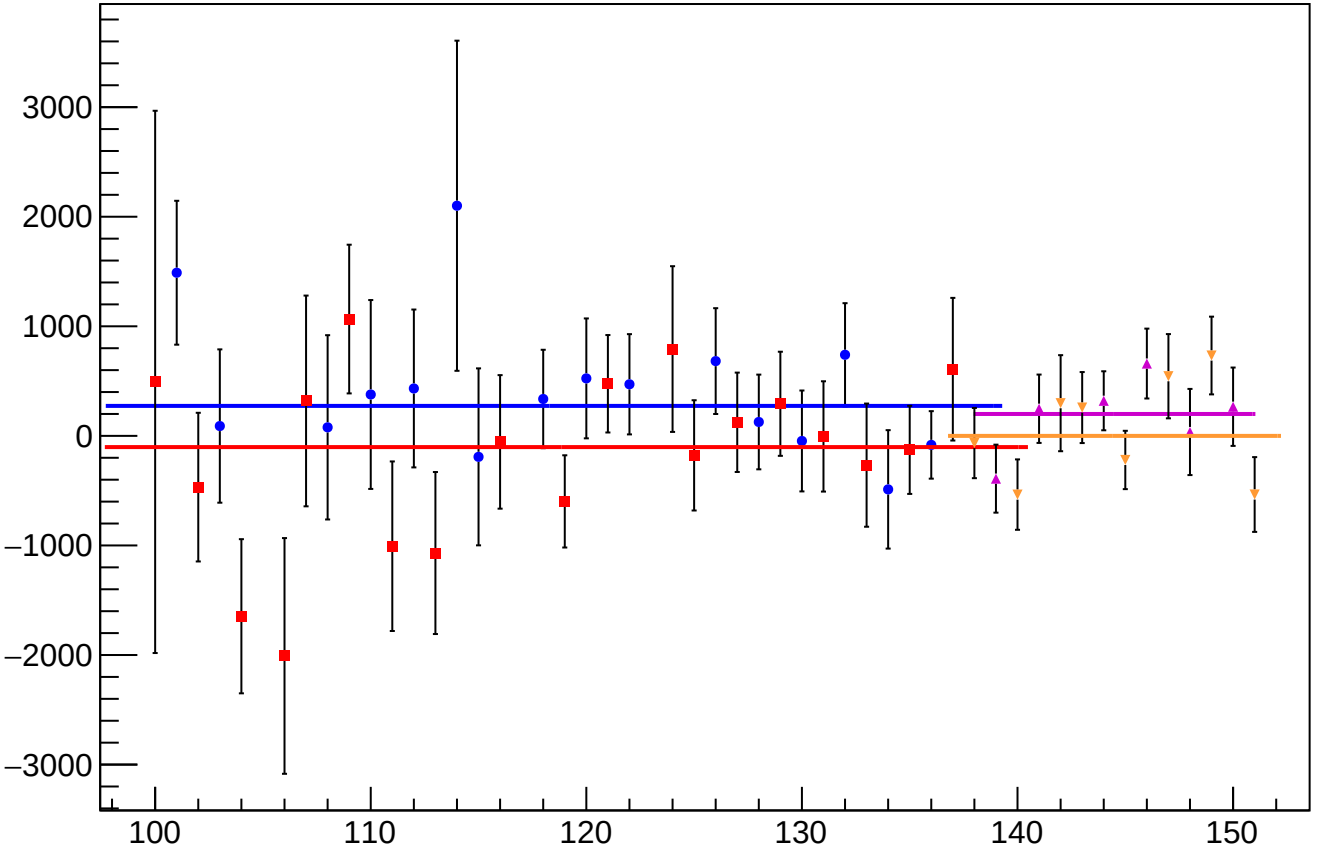
Left In: 2191.502+/-0.683 χ^2/NDF:161609.4/5

+ sign 2513.792+/-0.518 χ^2/NDF: 3114047.5/23

All: 2594.480+/-0.383 χ^2/NDF: 6253484.5/48

- sign 2692.180+/-0.570 χ^2/NDF: 3085715.6/24

eigen_dit_asym_sam2_mean vs Slug



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -0.120+/-118.202 χ^2/NDF:13.3/7

Right Out: -102.368+/-133.606 χ^2/NDF: 21.3/18

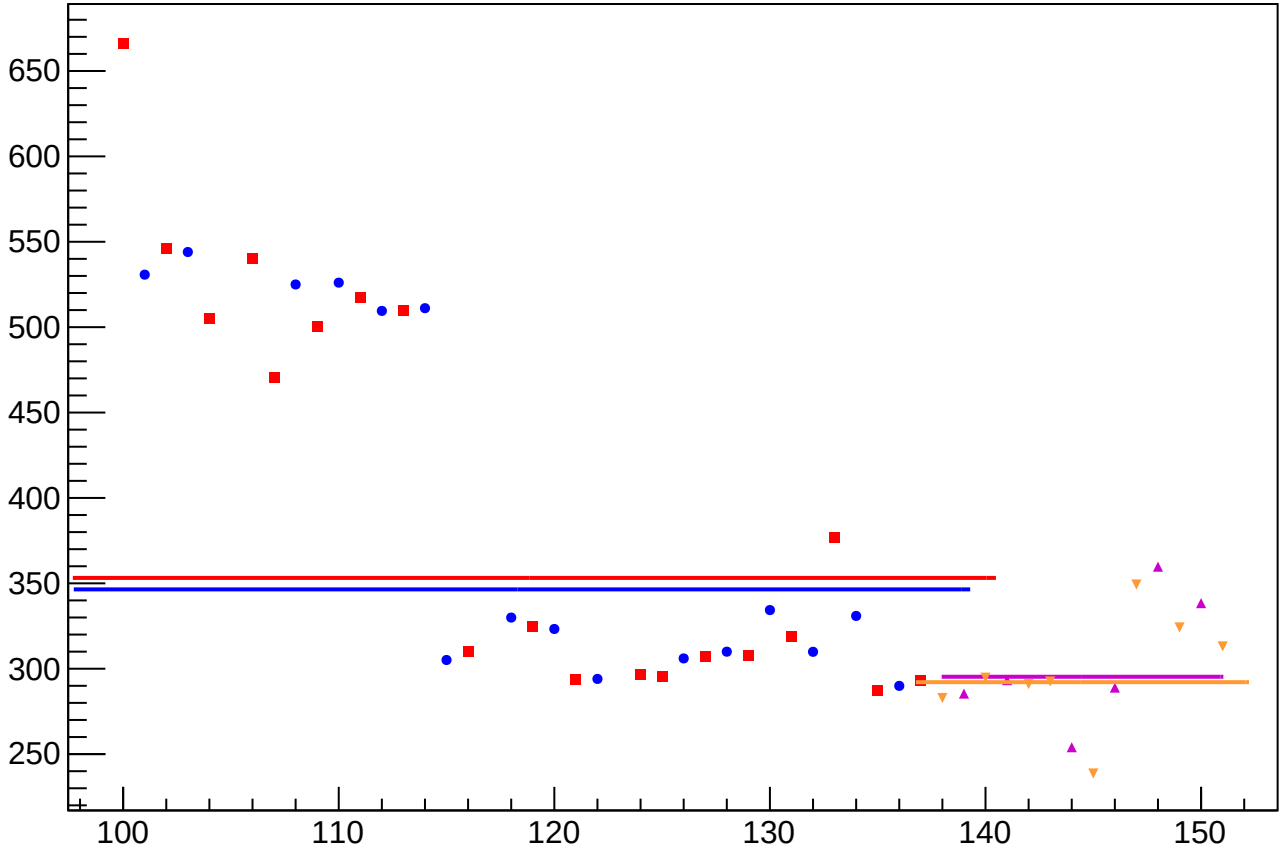
Left In: 199.843+/-130.652 χ^2/NDF:6.1/5

\+ sign 121.135+/-88.216 χ^2/NDF: 27.2/23

All: 88.598+/-64.136 χ^2/NDF: 57.5/48

\- sign 52.115+/-93.412 χ^2/NDF: 30.1/24

eigen_dit_asym_sam2_rms vs Slug



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 292.124+/-0.084 χ^2/NDF:150611.1/7

Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

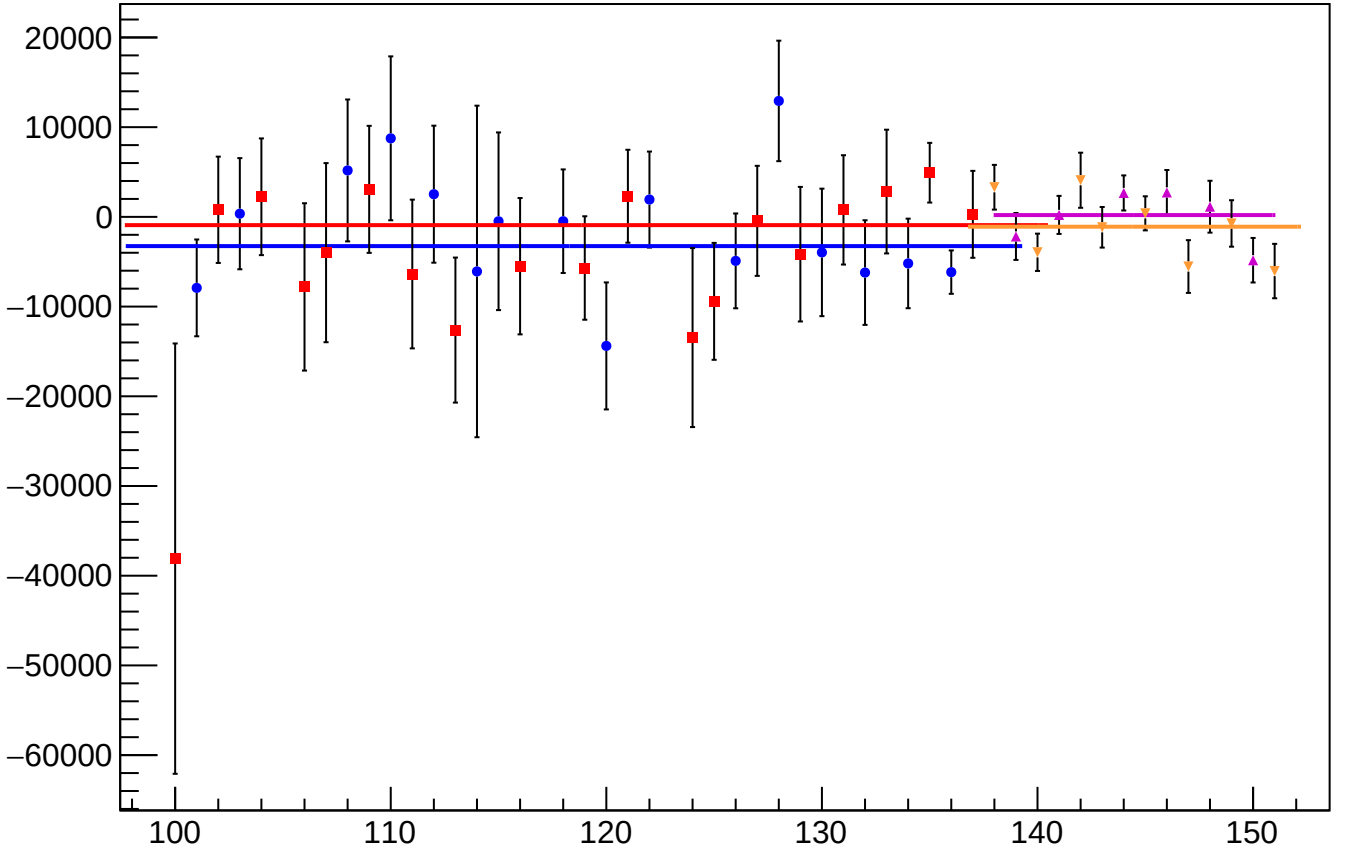
Left In: 295.295+/-0.092 χ^2/NDF:132700.9/5

+ sign 316.192+/-0.062 χ^2/NDF: 1106550.7/23

All: 319.679+/-0.045 χ^2/NDF: 2304115.4/48

- sign 323.589+/-0.066 χ^2/NDF: 1190936.8/24

asym_sam2_eigen_dit_correction_mean vs Slug



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -1095.771+/-862.527 χ^2/NDF:13.4/7

Right Out: -921.200+/-1460.725 χ^2/NDF: 14.6/18

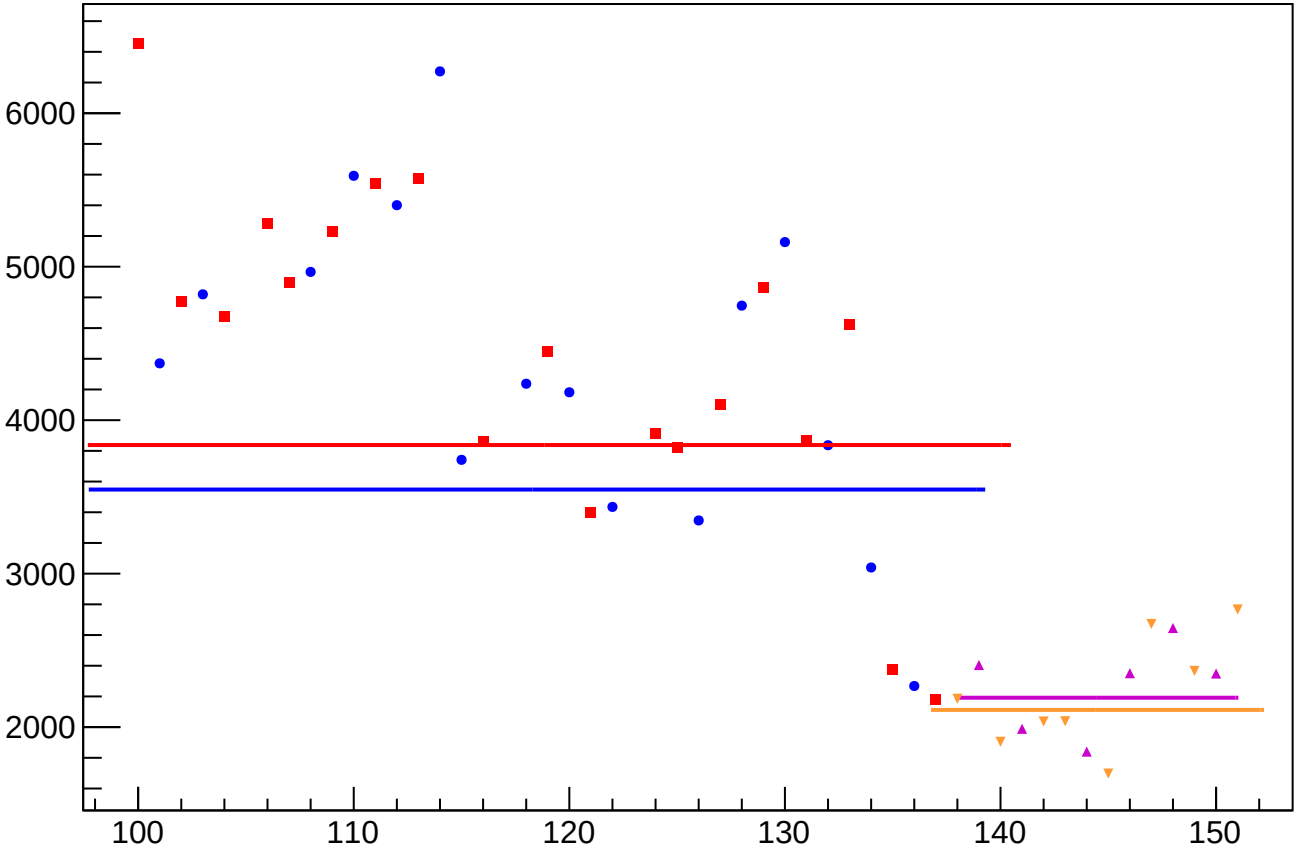
Left In: 200.060+/-965.597 χ^2/NDF:7.7/5

+ sign -1700.786+/-732.029 χ^2/NDF: 31.2/23

All: -995.226+/-541.742 χ^2/NDF: 56.0/48

- sign -140.907+/-805.511 χ^2/NDF: 22.7/24

asym_sam2_eigen_dit_correction_rms vs Slug



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2112.201+/-0.610 χ^2/NDF:305503.7/7

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

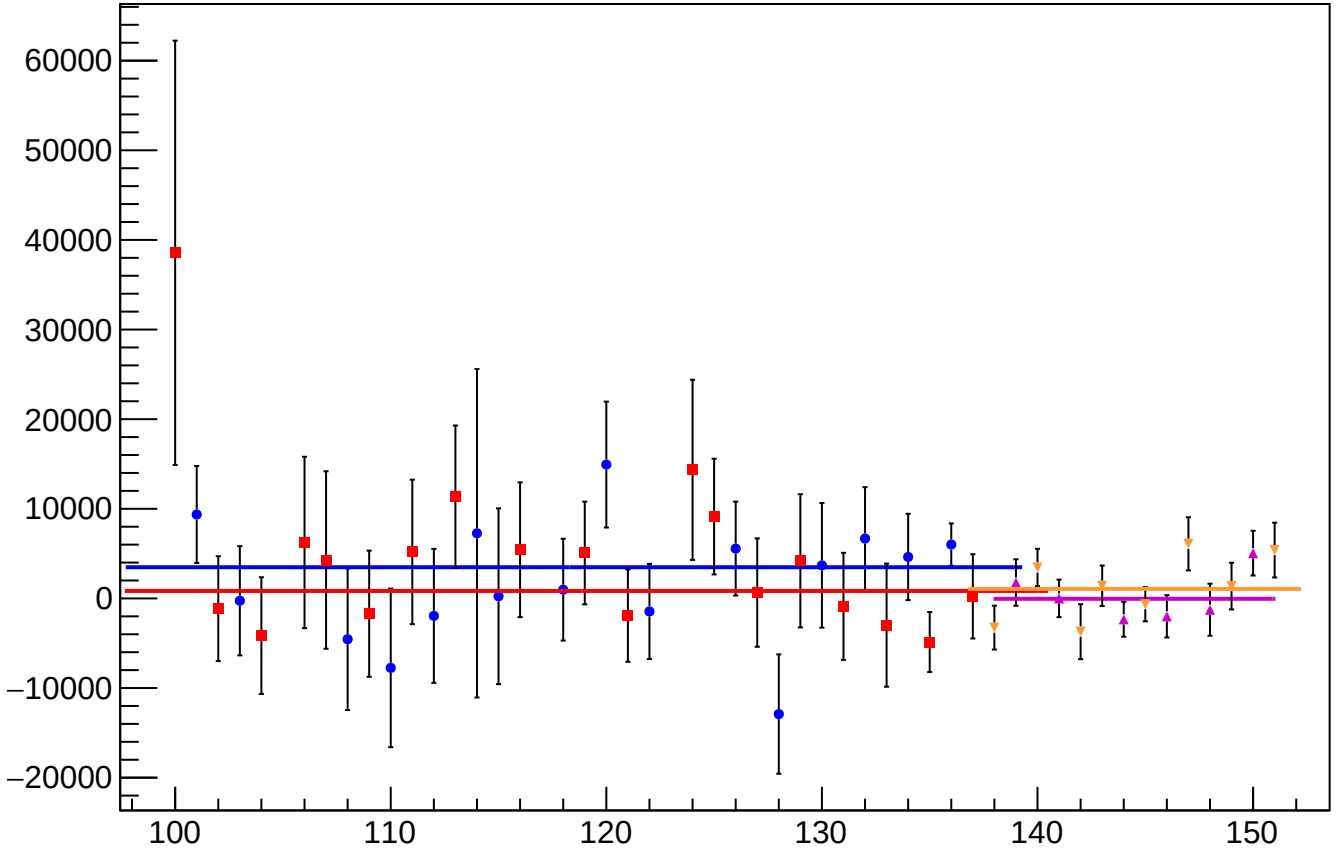
Left In: 2191.500+/-0.683 χ^2/NDF:161608.4/5

+ sign 2513.790+/-0.518 χ^2/NDF: 3114039.8/23

All: 2594.478+/-0.383 χ^2/NDF: 6253464.7/48

- sign 2692.178+/-0.570 χ^2/NDF: 3085703.2/24

asym_sam2_mean vs Slug



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 1062.015+/-863.218 χ^2/NDF:12.6/7

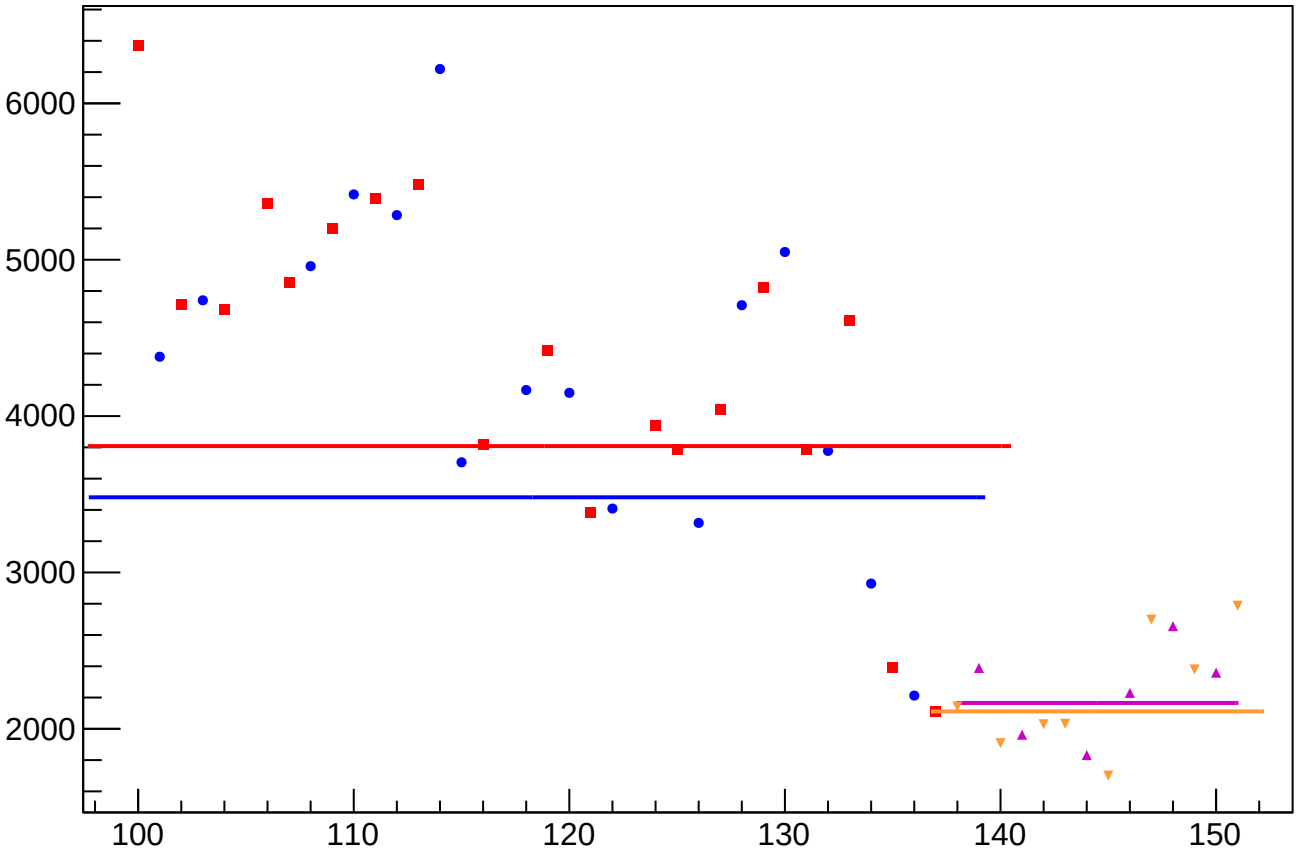
Right Out: 832.583+/-1449.649 χ^2/NDF: 14.0/18

Left In: -43.351+/-953.783 χ^2/NDF:6.9/5

\+ sign 1755.673+/-728.861 χ^2/NDF: 31.1/23

All: 1056.657+/-537.797 χ^2/NDF: 54.3/48

\- sign 221.276+/-796.790 χ^2/NDF: 21.2/24



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2111.378+/-0.610 χ^2/NDF:312785.0/7

Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

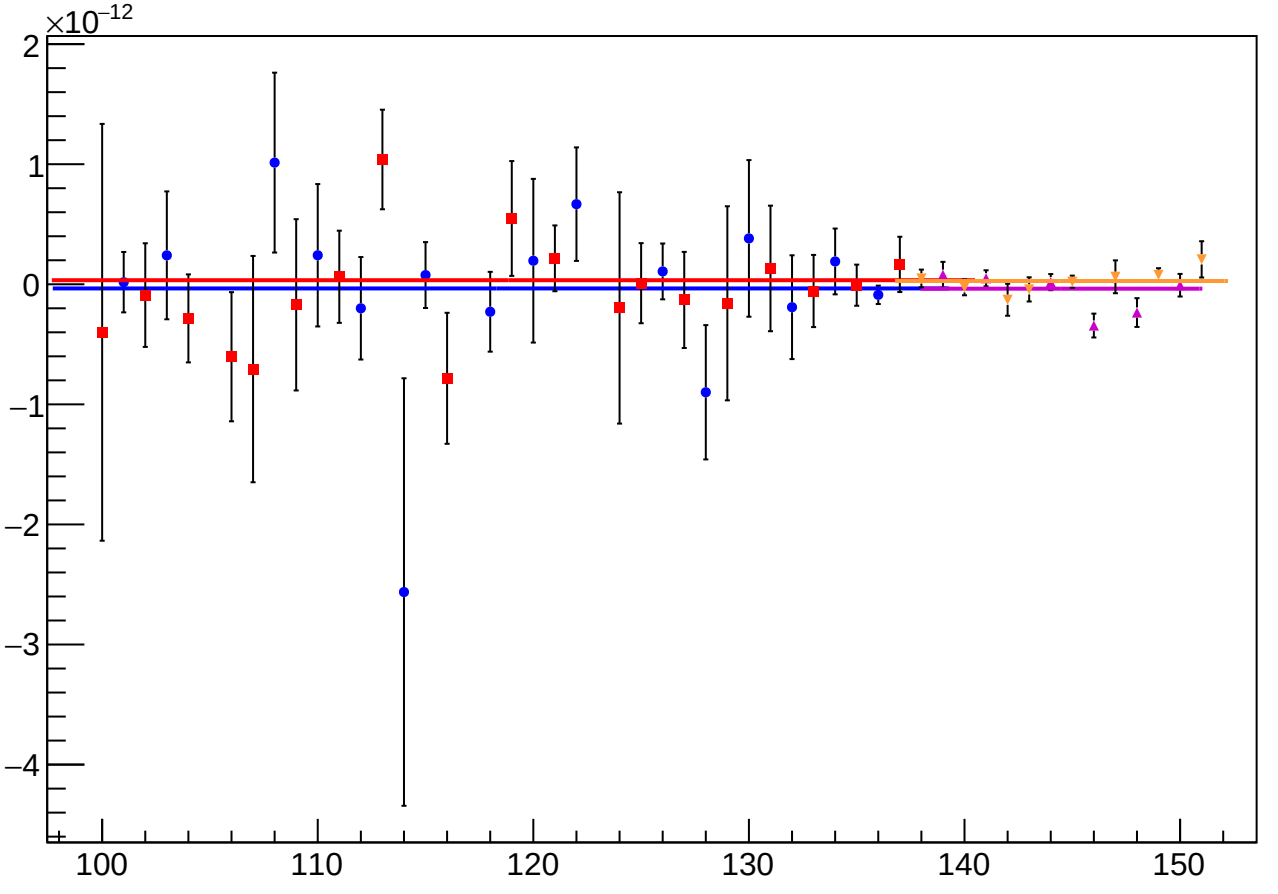
Left In: 2165.363+/-0.674 χ^2/NDF:163198.4/5

+ sign 2504.426+/-0.515 χ^2/NDF: 3053852.4/23

All: 2576.057+/-0.380 χ^2/NDF: 6199505.7/48

- sign 2661.662+/-0.563 χ^2/NDF: 3103250.5/24

asym_sam2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.9/7

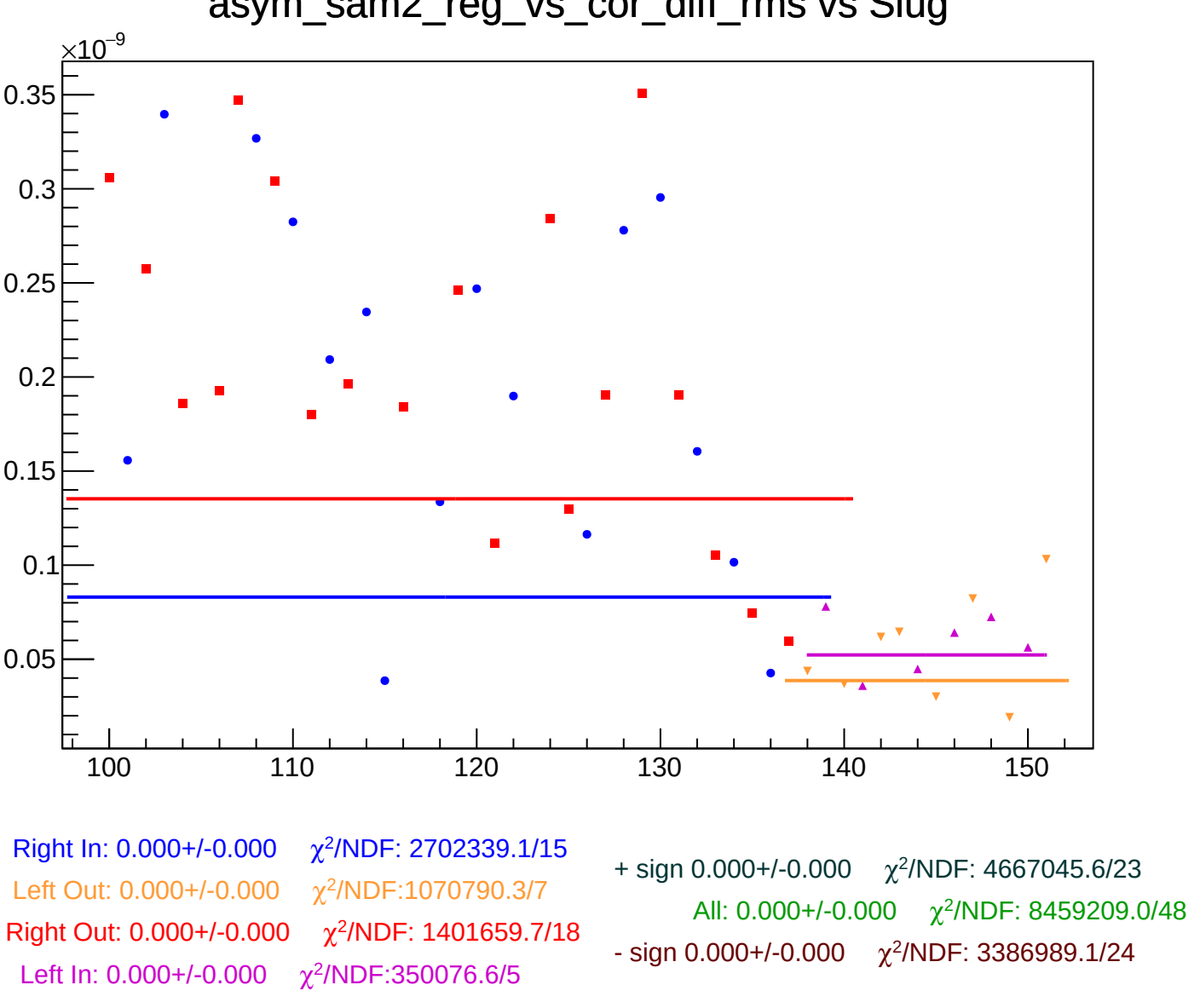
Right Out: 0.000+/-0.000 χ^2/NDF: 13.5/18

Left In: -0.000+/-0.000 χ^2/NDF:15.9/5

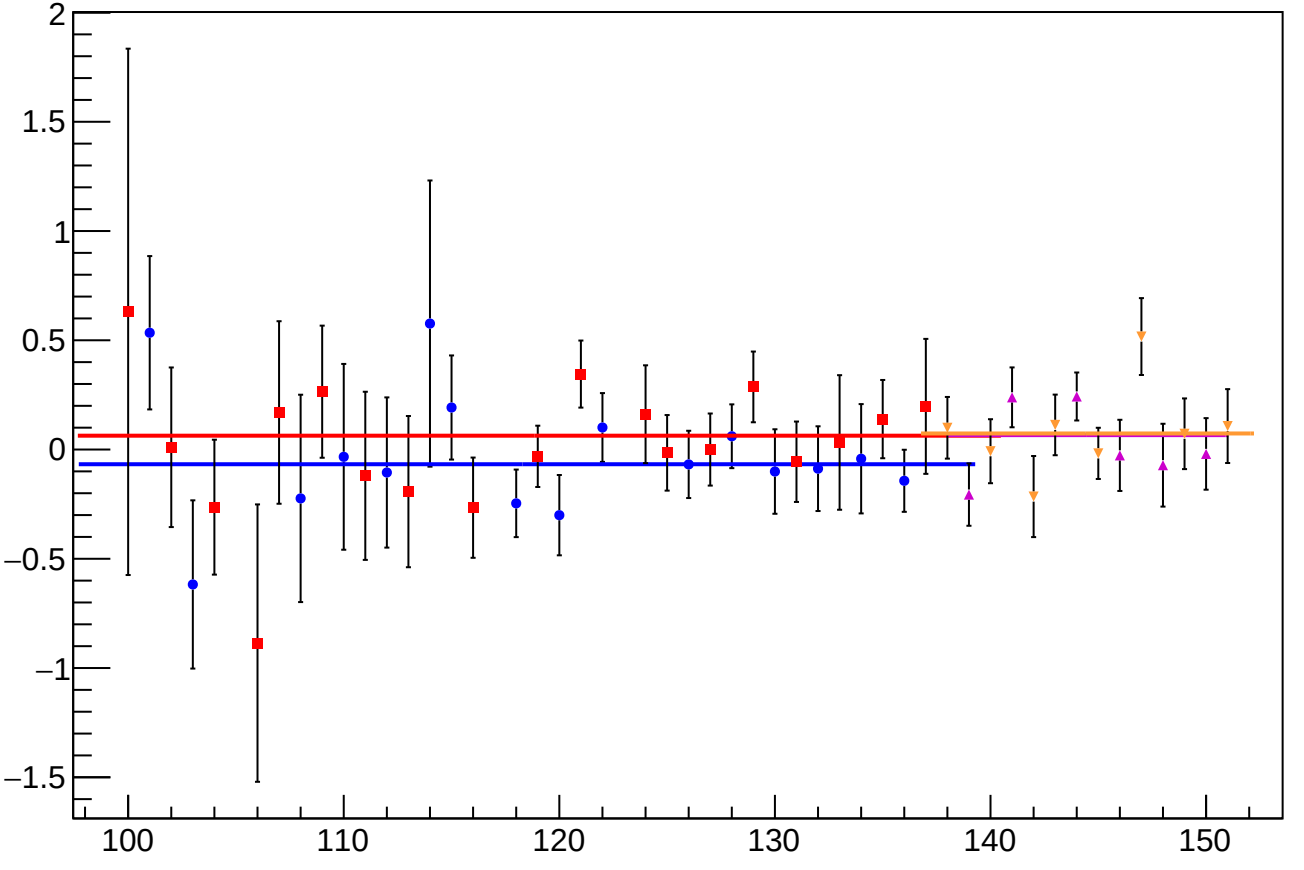
+ sign 0.000+/-0.000 χ^2/NDF: 17.7/23

All: 0.000+/-0.000 χ^2/NDF: 48.9/48

- sign -0.000+/-0.000 χ^2/NDF: 30.1/24


asym_sam2_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2702339.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1070790.3/7
Right Out: 0.000+/-0.000 χ²/NDF: 1401659.7/18
Left In: 0.000+/-0.000 χ²/NDF:350076.6/5
+ sign 0.000+/-0.000 χ²/NDF: 4667045.6/23
All: 0.000+/-0.000 χ²/NDF: 8459209.0/48
- sign 0.000+/-0.000 χ²/NDF: 3386989.1/24

asym_sam2_dit_vs_cor_diff_mean vs Slug



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.073+/-0.053 χ^2/NDF:9.8/7

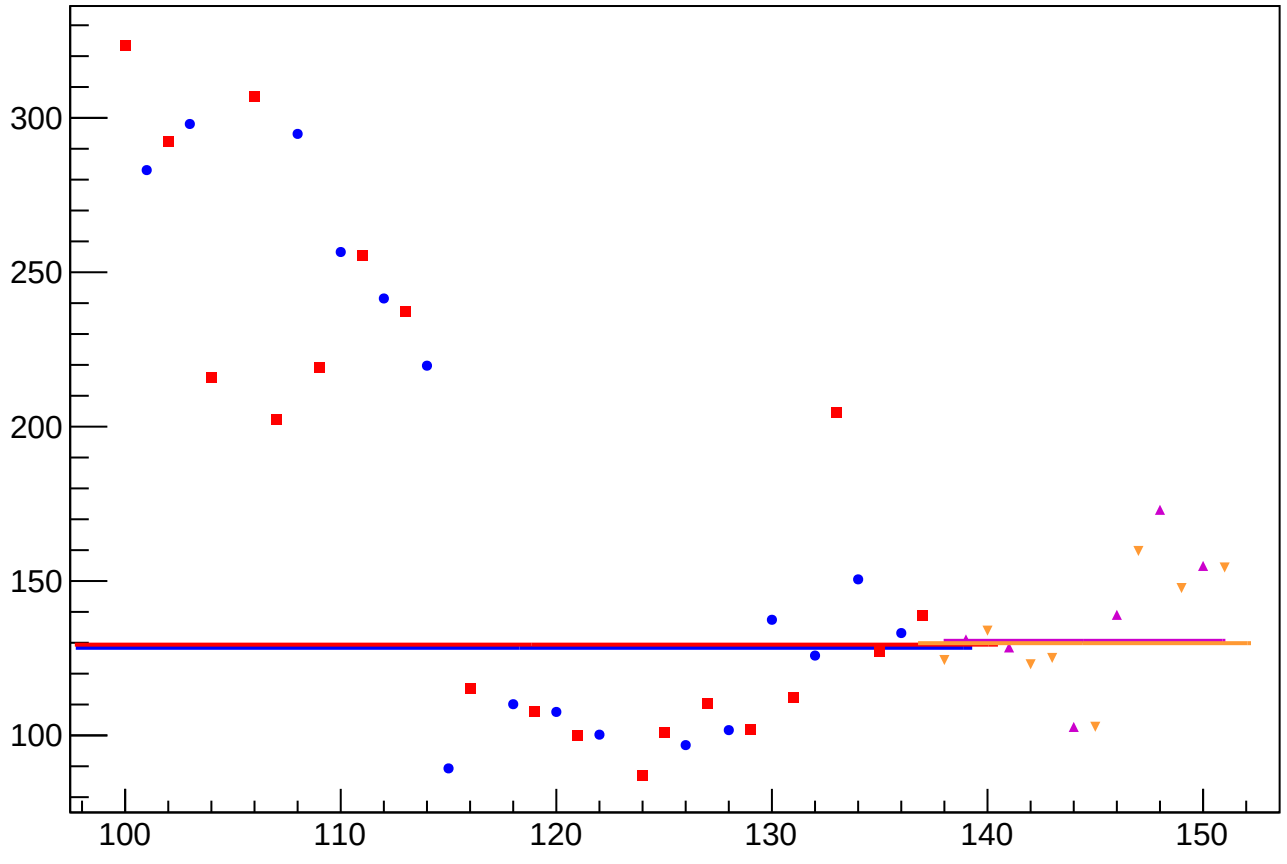
Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.066+/-0.059 χ^2/NDF:8.9/5

+ sign 0.001+/-0.037 χ^2/NDF: 25.9/23

All: 0.031+/-0.027 χ^2/NDF: 50.3/48

- sign 0.064+/-0.039 χ^2/NDF: 23.0/24



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 129.871+/-0.037 χ^2/NDF:240432.9/7

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

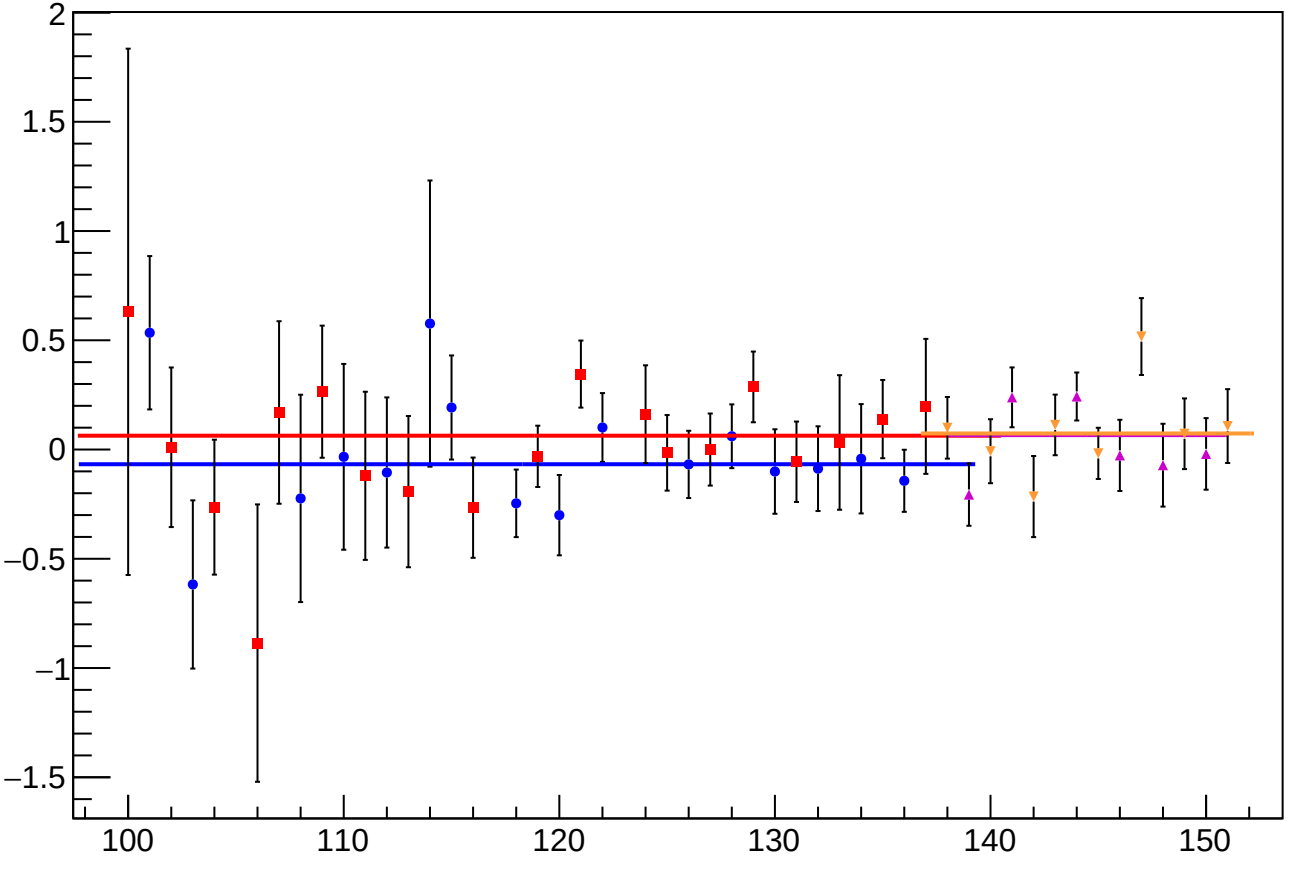
Left In: 130.631+/-0.042 χ^2/NDF:279021.0/5

+ sign 129.108+/-0.026 χ^2/NDF: 2046322.2/23

All: 129.502+/-0.019 χ^2/NDF: 4214583.9/48

- sign 129.934+/-0.027 χ^2/NDF: 2167787.6/24

asym_sam2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.073+/-0.053 χ^2/NDF:9.8/7

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

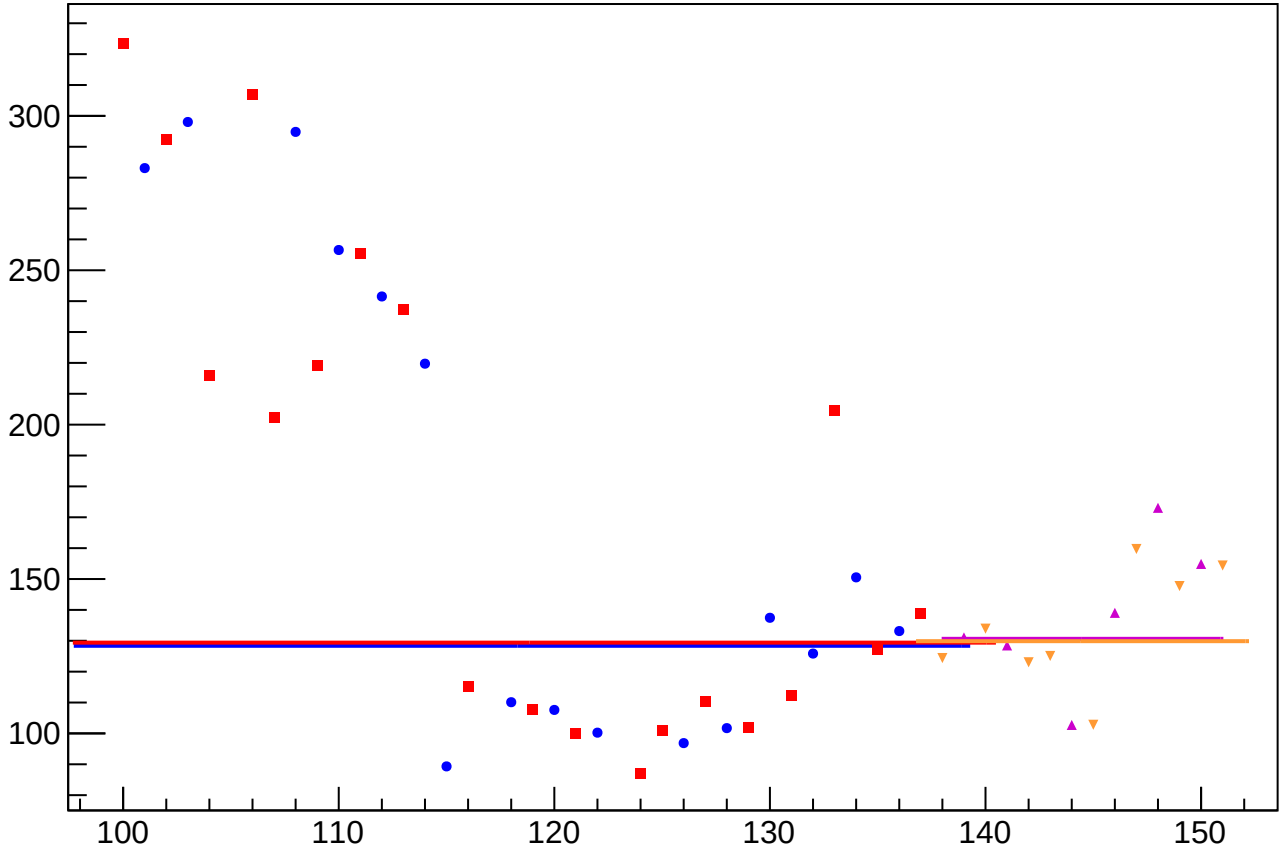
Left In: 0.066+/-0.059 χ^2/NDF:8.9/5

+ sign 0.001+/-0.037 χ^2/NDF: 25.9/23

All: 0.031+/-0.027 χ^2/NDF: 50.3/48

- sign 0.064+/-0.039 χ^2/NDF: 23.0/24

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 129.871+/-0.037 χ^2/NDF:240432.9/7

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

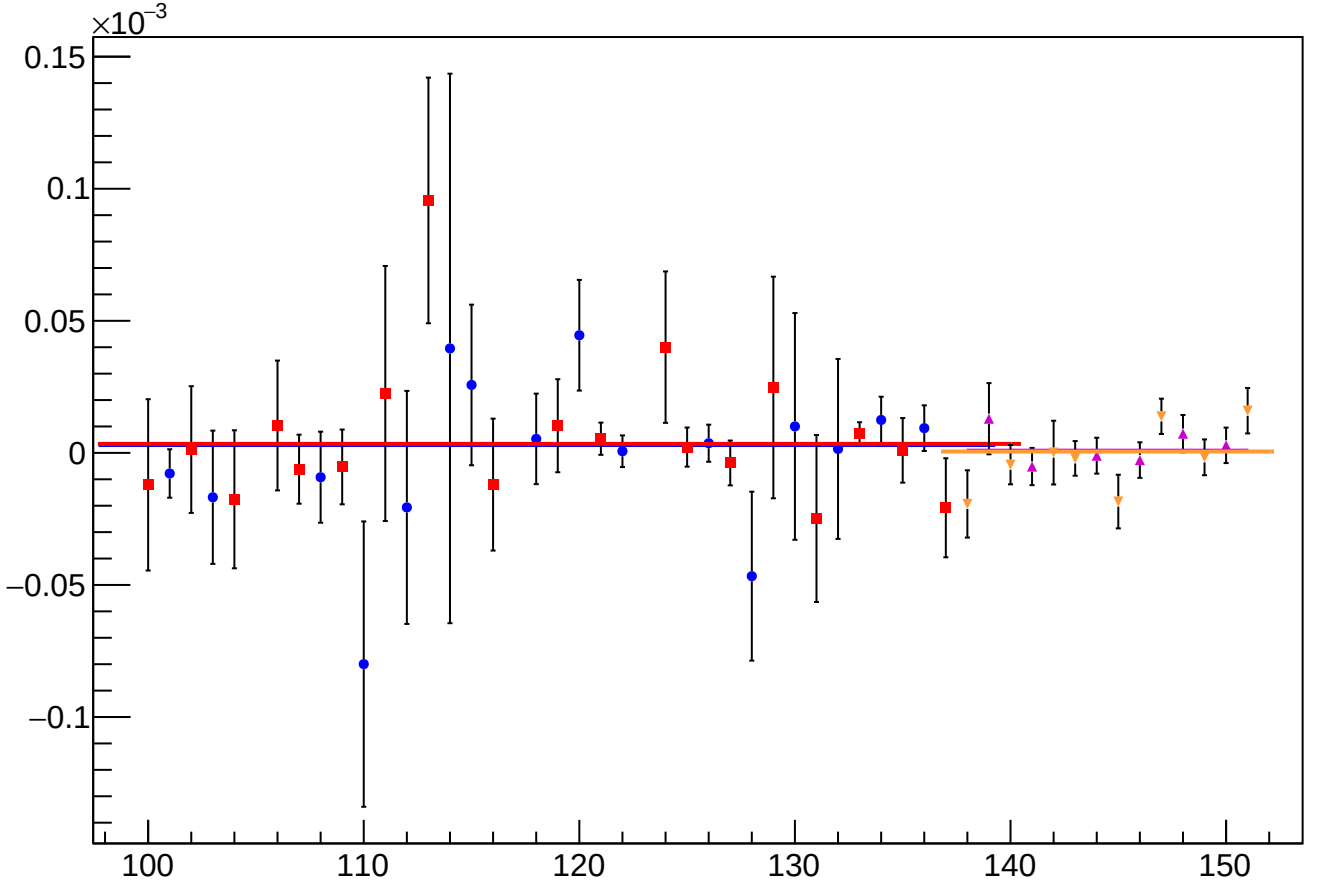
Left In: 130.631+/-0.042 χ^2/NDF:279021.0/5

+ sign 129.108+/-0.026 χ^2/NDF: 2046322.2/23

All: 129.502+/-0.019 χ^2/NDF: 4214583.9/48

- sign 129.934+/-0.027 χ^2/NDF: 2167787.6/24

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:13.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/18

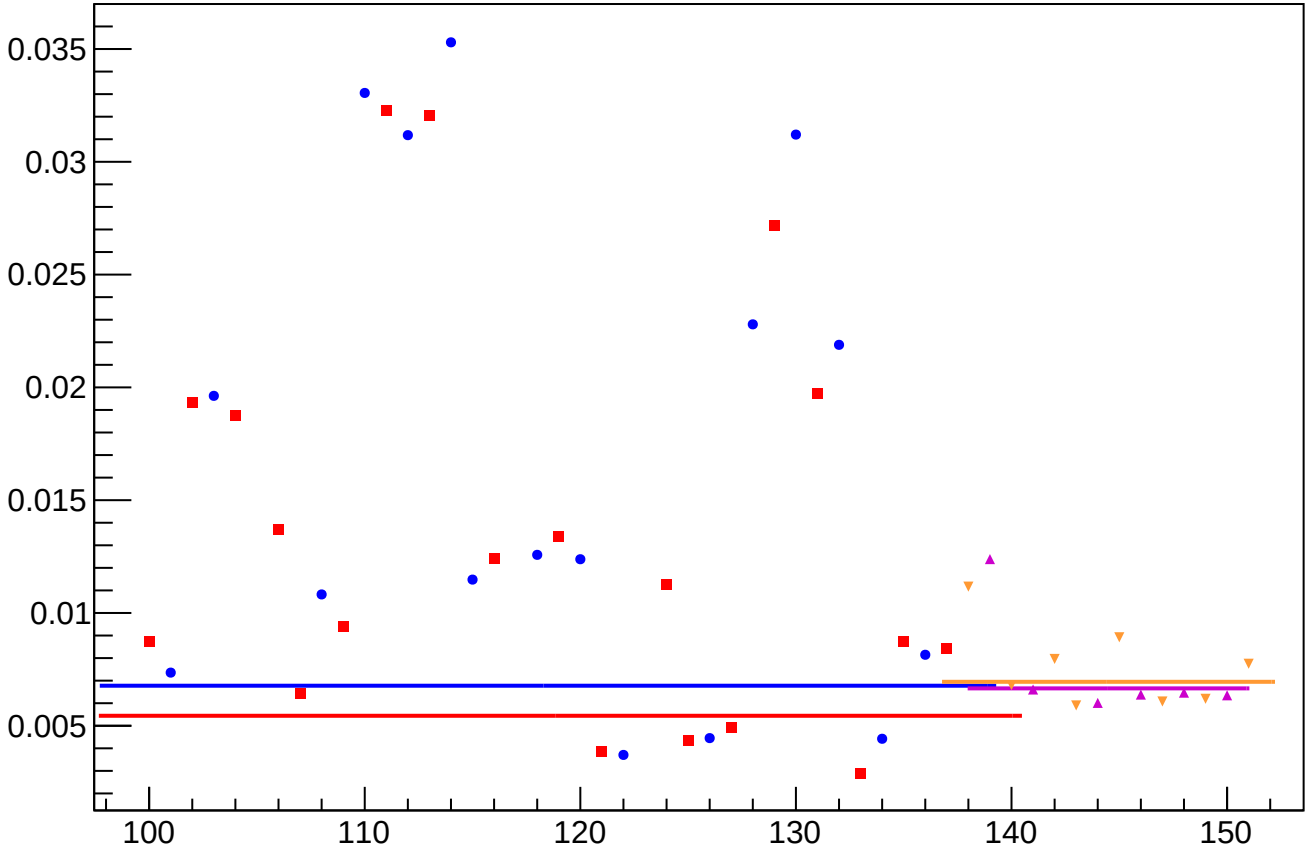
Left In: 0.000+/-0.000 χ^2/NDF:2.8/5

+ sign 0.000+/-0.000 χ^2/NDF: 28.2/23

All: 0.000+/-0.000 χ^2/NDF: 44.1/48

- sign 0.000+/-0.000 χ^2/NDF: 15.8/24

asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 4772275.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:437113.5/7

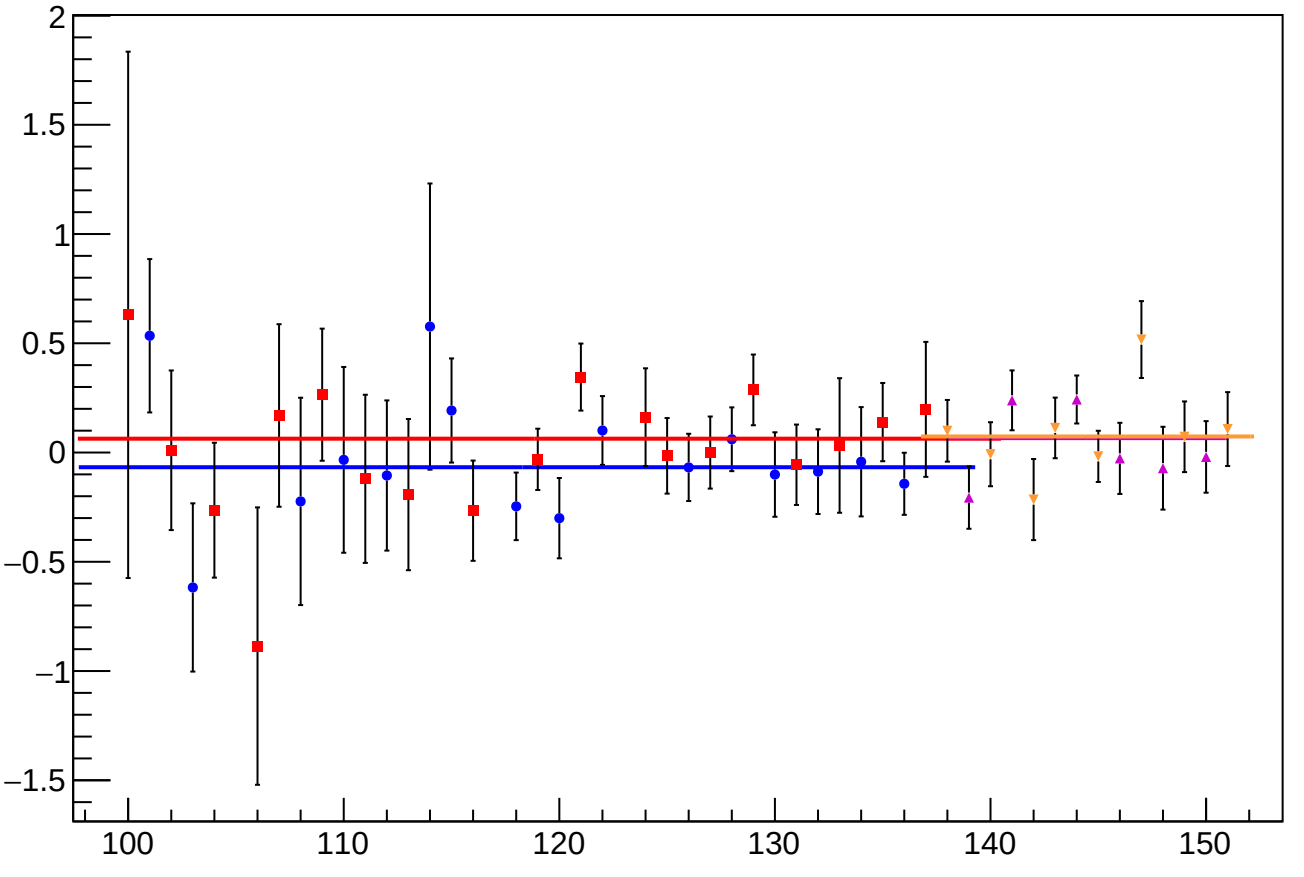
Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

Left In: 0.007+/-0.000 χ^2/NDF:388810.2/5

+ sign 0.007+/-0.000 χ^2/NDF: 5212715.3/23

All: 0.006+/-0.000 χ^2/NDF: 11558997.1/48

- sign 0.006+/-0.000 χ^2/NDF: 6149020.4/24



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.073+/-0.053 χ^2/NDF:9.8/7

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

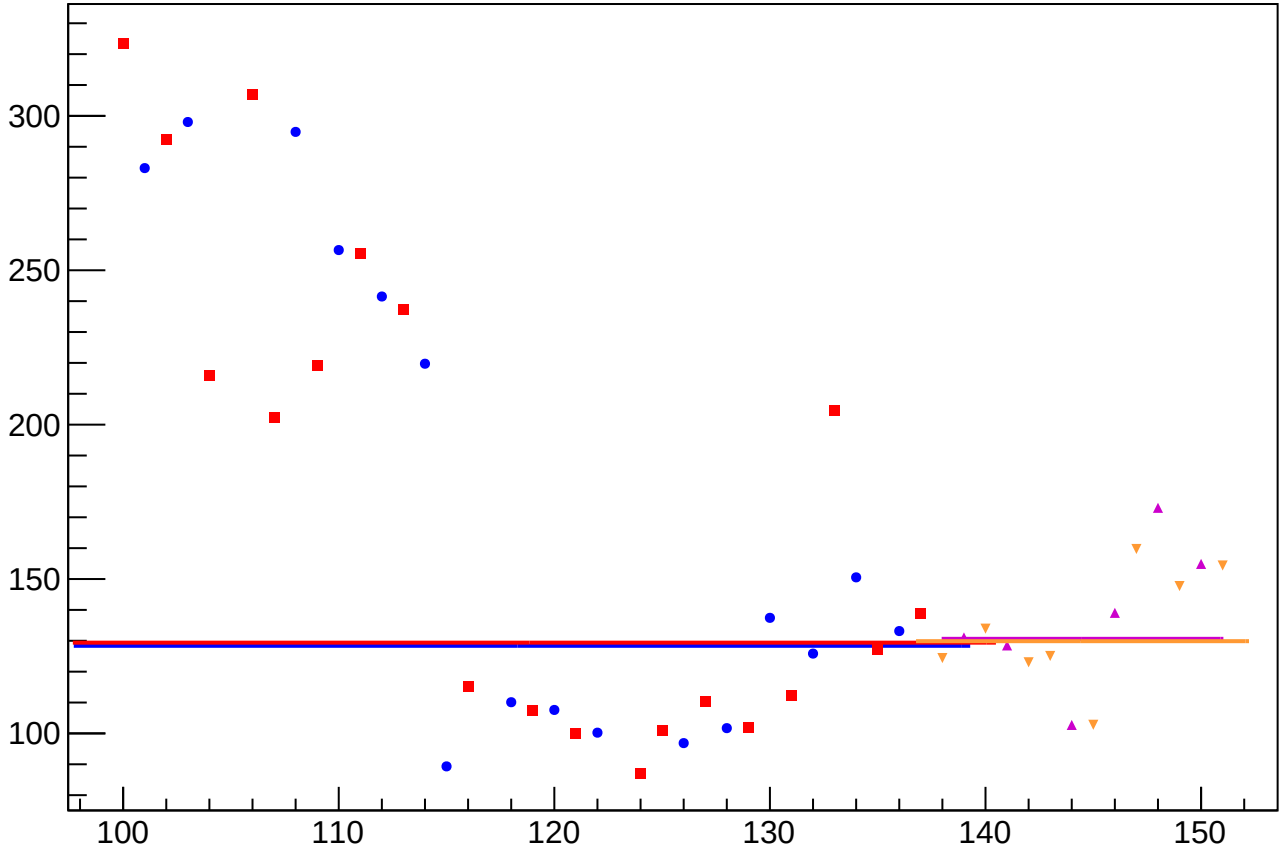
Left In: 0.066+/-0.059 χ^2/NDF:8.9/5

+ sign 0.001+/-0.037 χ^2/NDF: 25.9/23

All: 0.031+/-0.027 χ^2/NDF: 50.3/48

- sign 0.064+/-0.039 χ^2/NDF: 23.0/24

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 129.871+/-0.037 χ^2/NDF:240451.7/7

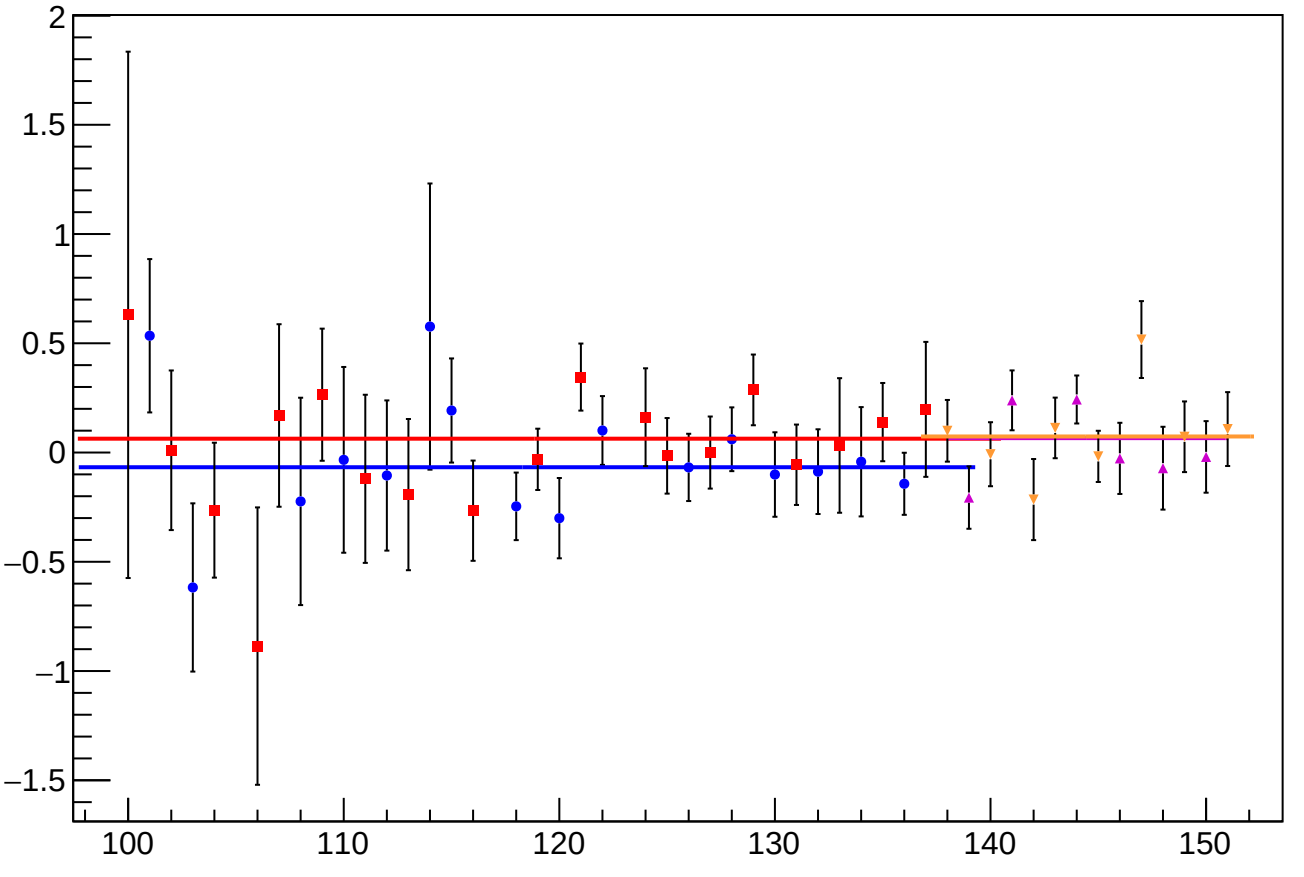
Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 130.631+/-0.042 χ^2/NDF:279021.3/5

+ sign 129.107+/-0.026 χ^2/NDF: 2046292.5/23

All: 129.500+/-0.019 χ^2/NDF: 4214558.0/48

- sign 129.932+/-0.027 χ^2/NDF: 2167791.7/24



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.073+/-0.053 χ^2/NDF:9.8/7

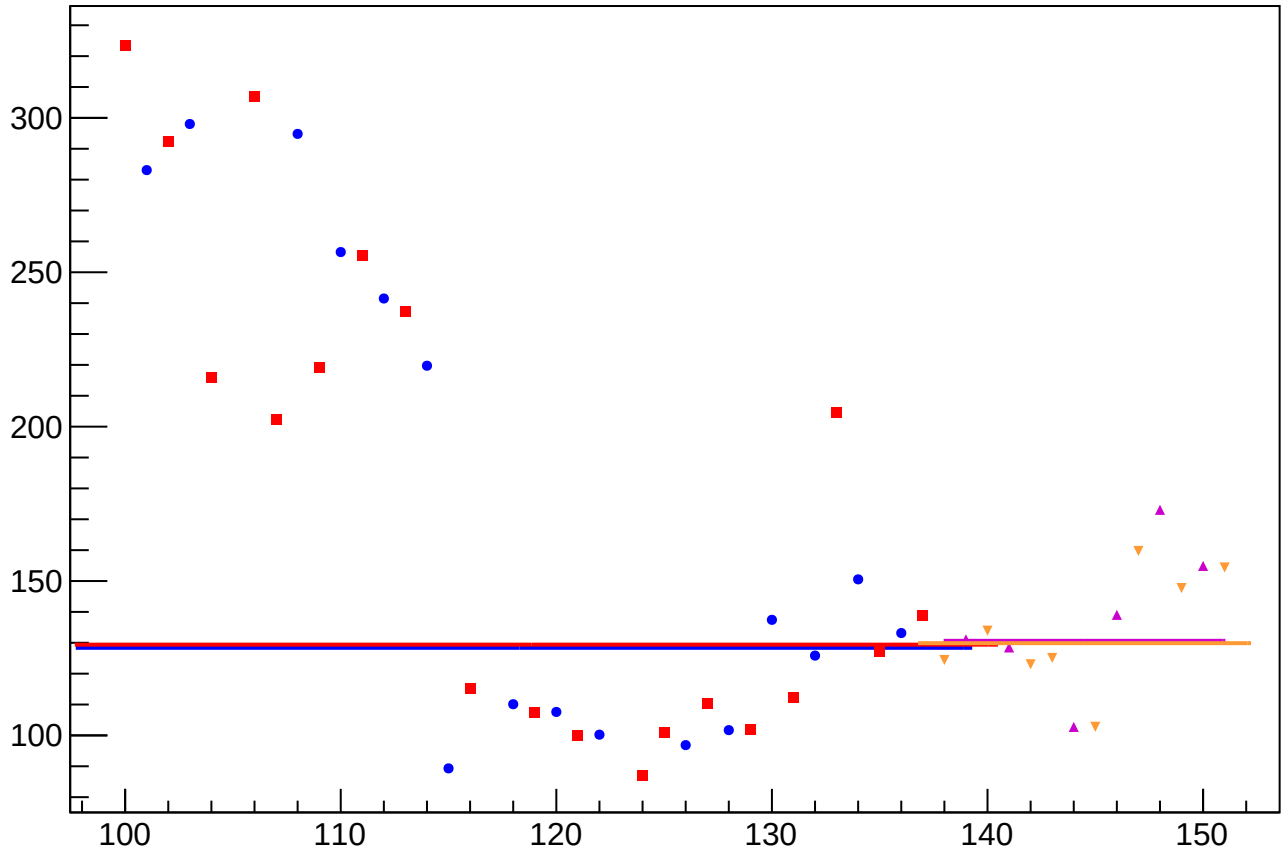
Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.066+/-0.059 χ^2/NDF:8.9/5

+ sign 0.001+/-0.037 χ^2/NDF: 25.9/23

All: 0.031+/-0.027 χ^2/NDF: 50.3/48

- sign 0.064+/-0.039 χ^2/NDF: 23.0/24



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 129.871+/-0.037 χ^2/NDF:240451.7/7

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

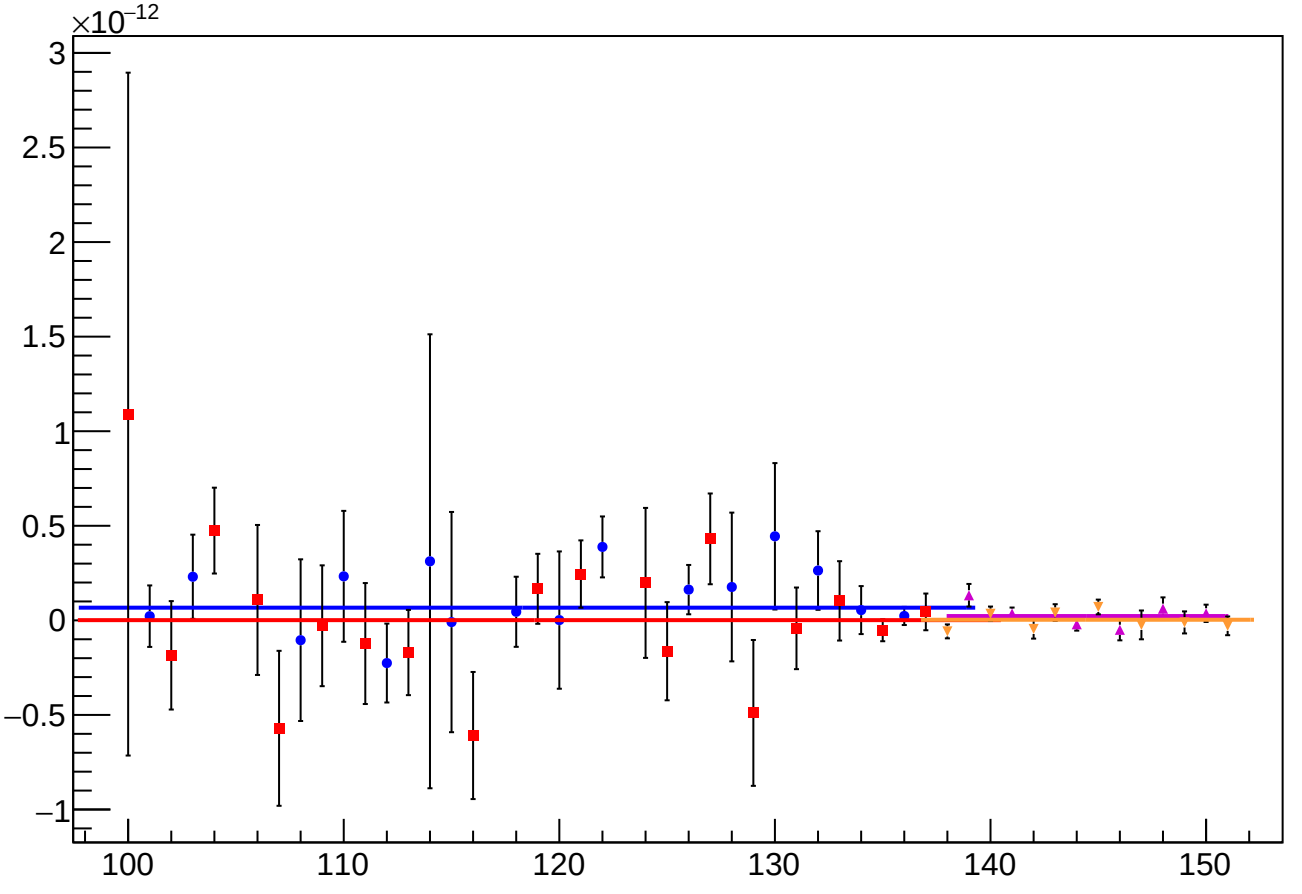
Left In: 130.631+/-0.042 χ^2/NDF:279021.3/5

+ sign 129.107+/-0.026 χ^2/NDF: 2046292.5/23

All: 129.500+/-0.019 χ^2/NDF: 4214558.0/48

- sign 129.932+/-0.027 χ^2/NDF: 2167791.7/24

asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.7/7

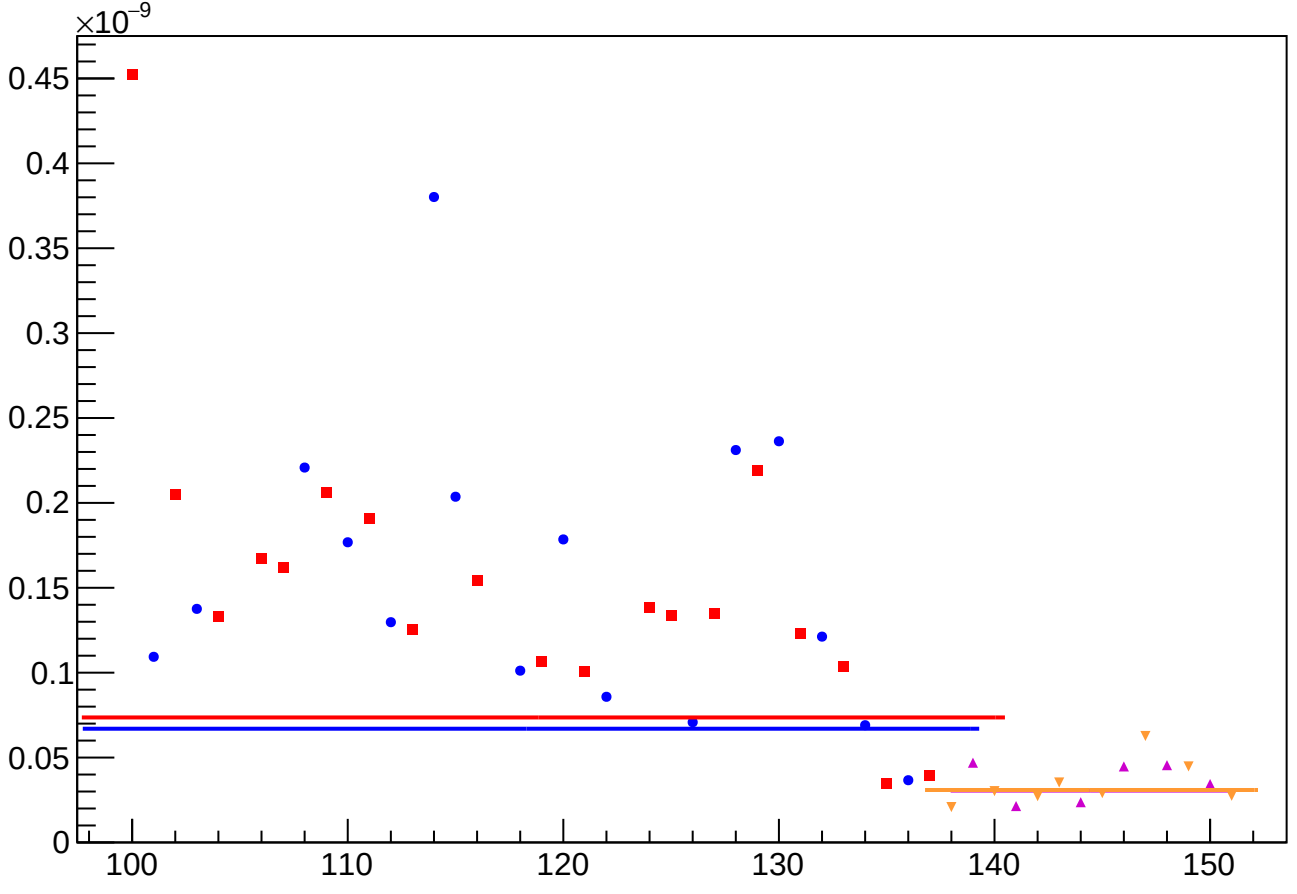
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: 0.000+/-0.000 χ^2/NDF:7.4/5

+ sign 0.000+/-0.000 χ^2/NDF: 21.7/23

All: 0.000+/-0.000 χ^2/NDF: 50.1/48

- sign 0.000+/-0.000 χ^2/NDF: 28.3/24



Right In: 0.000+/-0.000 χ^2/NDF: 3180725.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:656015.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 3653663.9/18

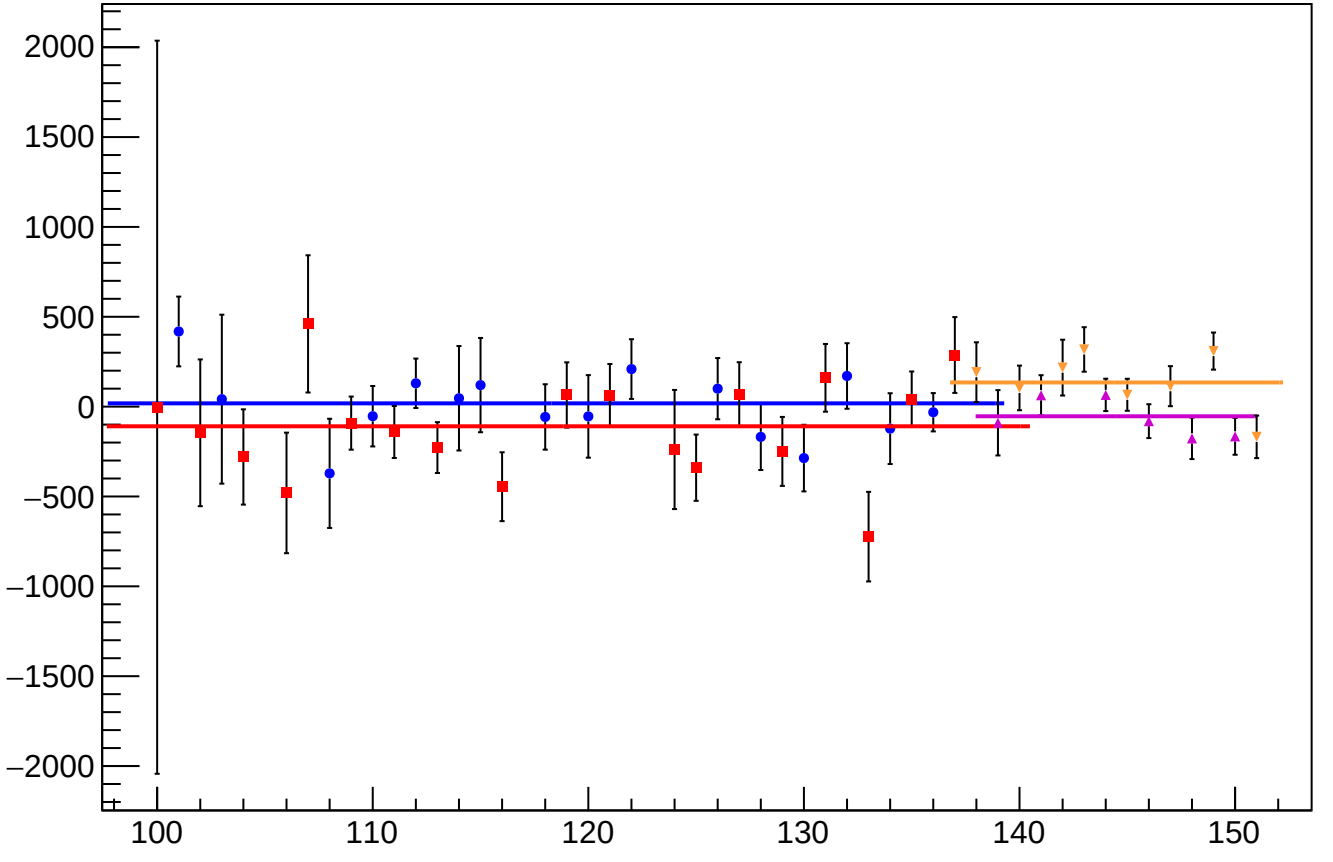
Left In: 0.000+/-0.000 χ^2/NDF:668426.4/5

+ sign 0.000+/-0.000 χ^2/NDF: 5502271.1/23

All: 0.000+/-0.000 χ^2/NDF: 11822181.8/48

- sign 0.000+/-0.000 χ^2/NDF: 6317146.6/24

reg_asym_sam3_mean vs Slug



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 134.482+/-41.533 χ^2/NDF:12.7/7

Right Out: -109.432+/-45.825 χ^2/NDF: 25.5/18

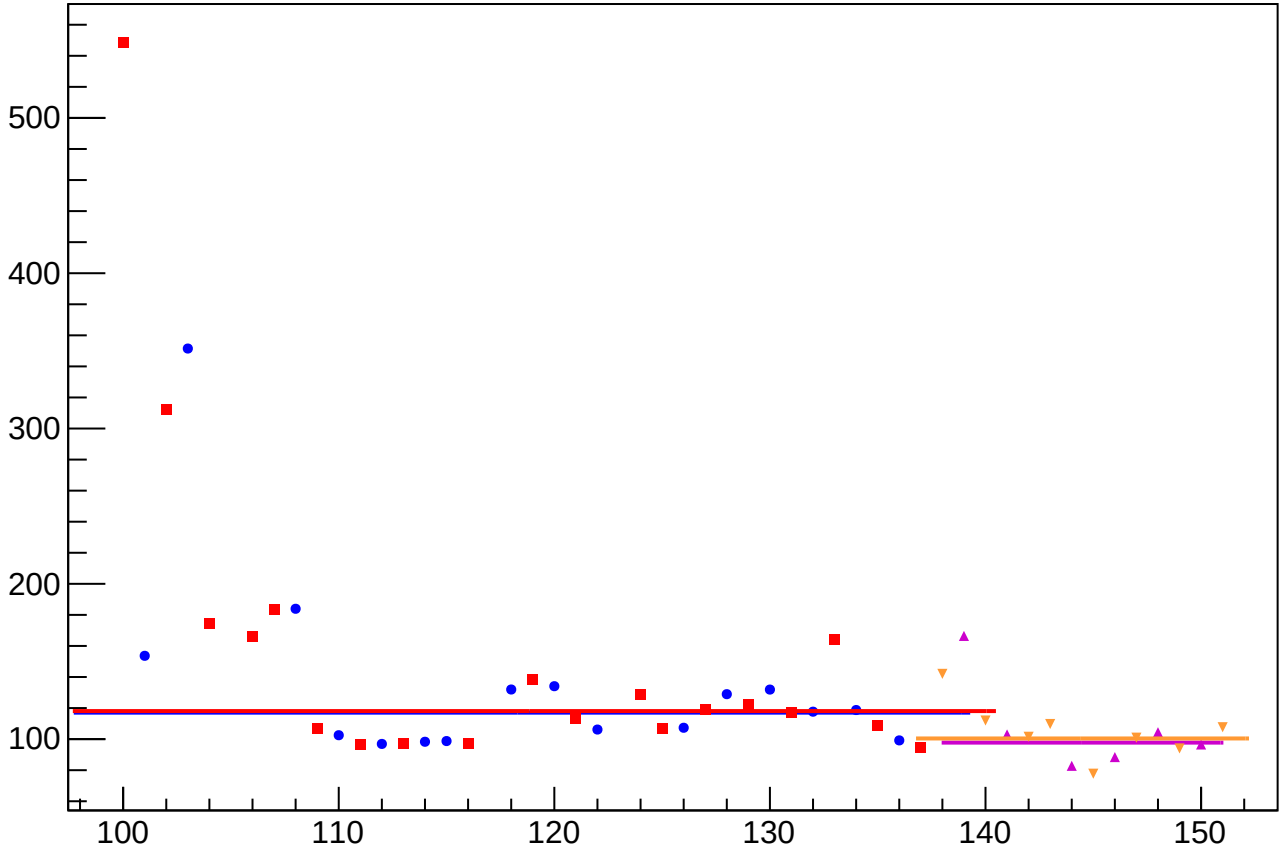
Left In: -53.721+/-43.964 χ^2/NDF:5.3/5

+ sign 81.891+/-30.737 χ^2/NDF: 30.1/23

All: 3.299+/-22.075 χ^2/NDF: 75.1/48

- sign -80.423+/-31.725 χ^2/NDF: 31.6/24

reg_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 100.430+/-0.029 χ^2/NDF:299405.1/7

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

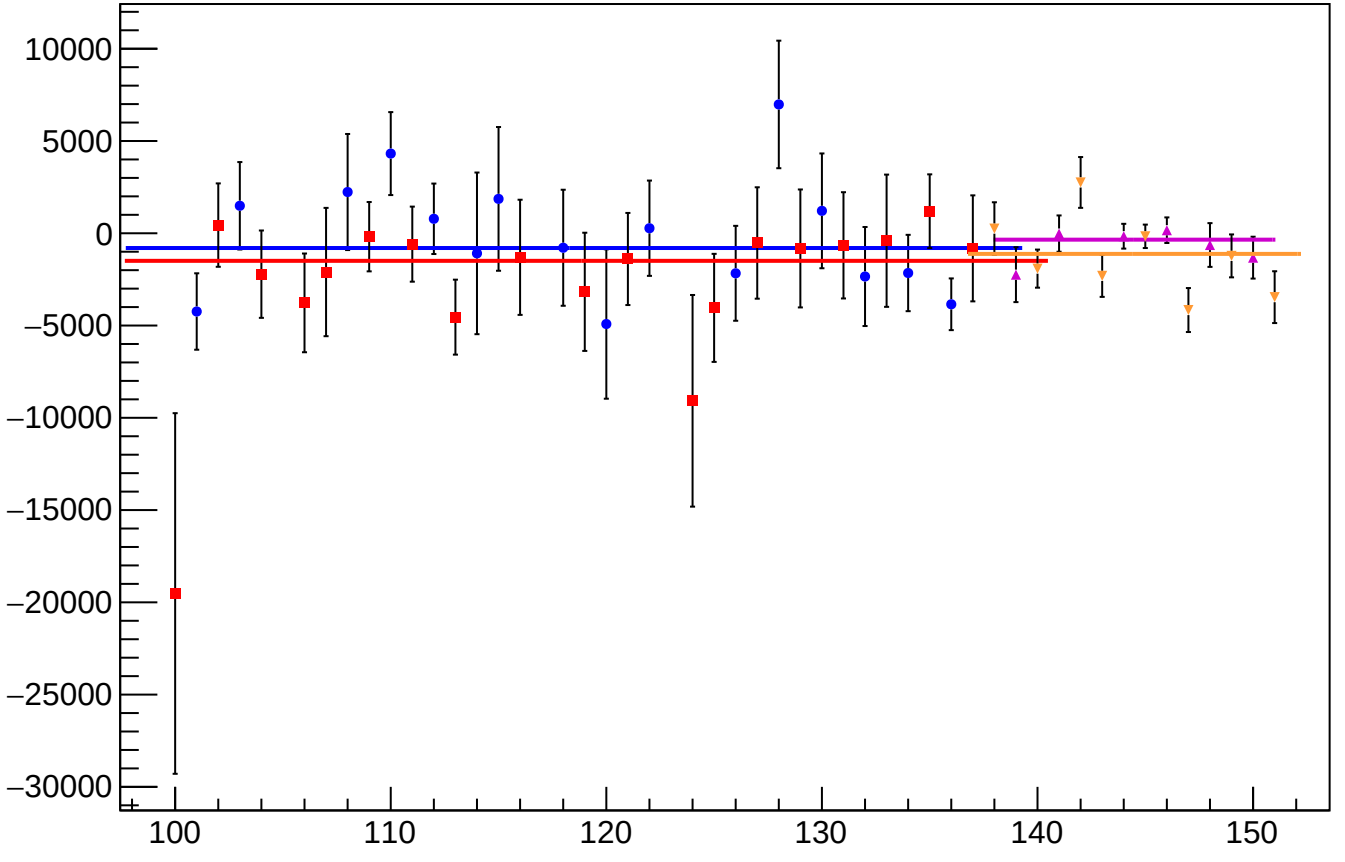
Left In: 97.760+/-0.031 χ^2/NDF:371853.0/5

+ sign 107.953+/-0.022 χ^2/NDF: 1302878.5/23

All: 107.728+/-0.016 χ^2/NDF: 2870012.3/48

- sign 107.489+/-0.022 χ^2/NDF: 1566912.9/24

asym_sam3_reg_correction_mean vs Slug



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -1117.973+/-373.825 χ^2/NDF:22.1/7

Right Out: -1493.897+/-613.097 χ^2/NDF: 12.9/18

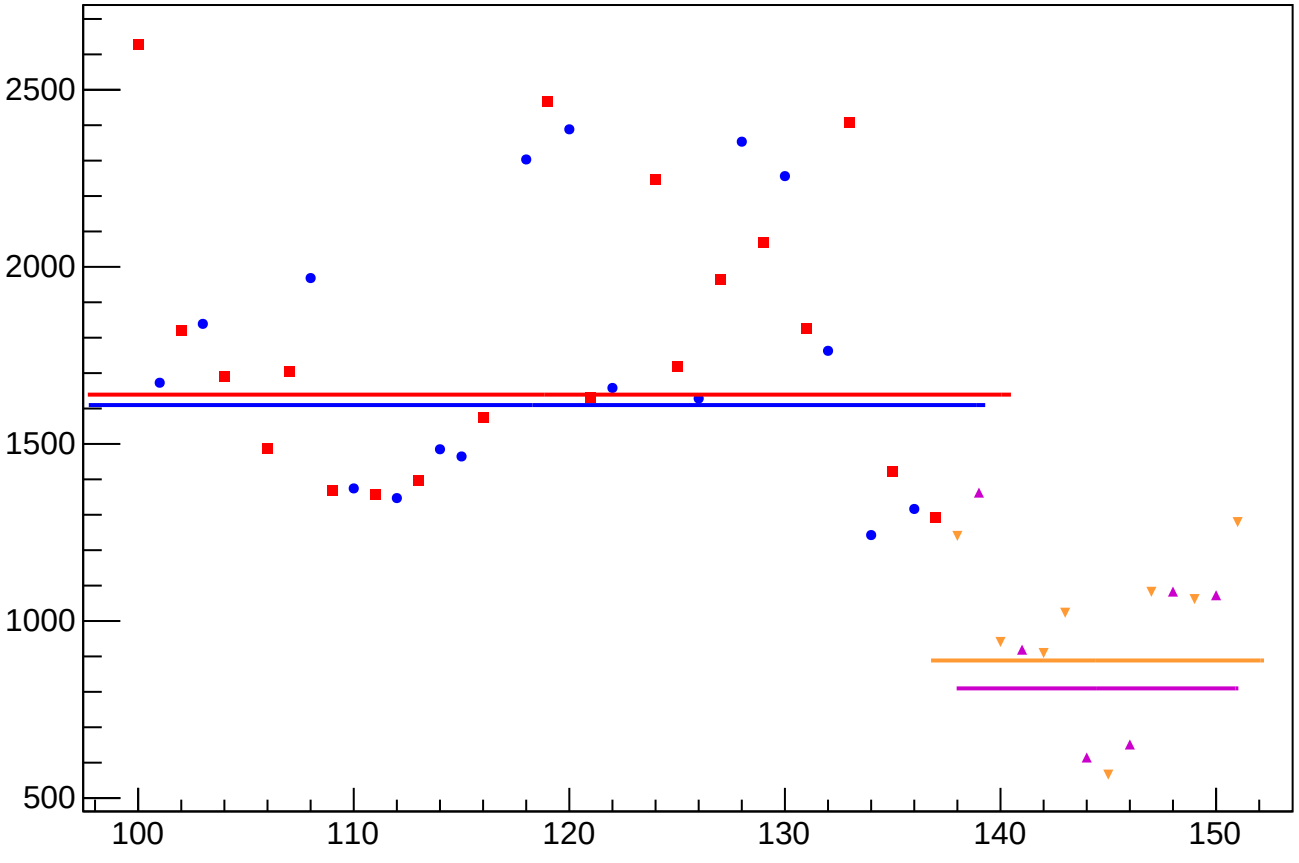
Left In: -346.614+/-370.793 χ^2/NDF:3.2/5

+ sign -1032.157+/-319.582 χ^2/NDF: 45.7/23

All: -841.646+/-225.161 χ^2/NDF: 65.1/48

- sign -653.869+/-317.281 χ^2/NDF: 18.6/24

asym_sam3_reg_correction_rms vs Slug



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 888.567+/-0.264 χ^2/NDF:922112.2/7

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

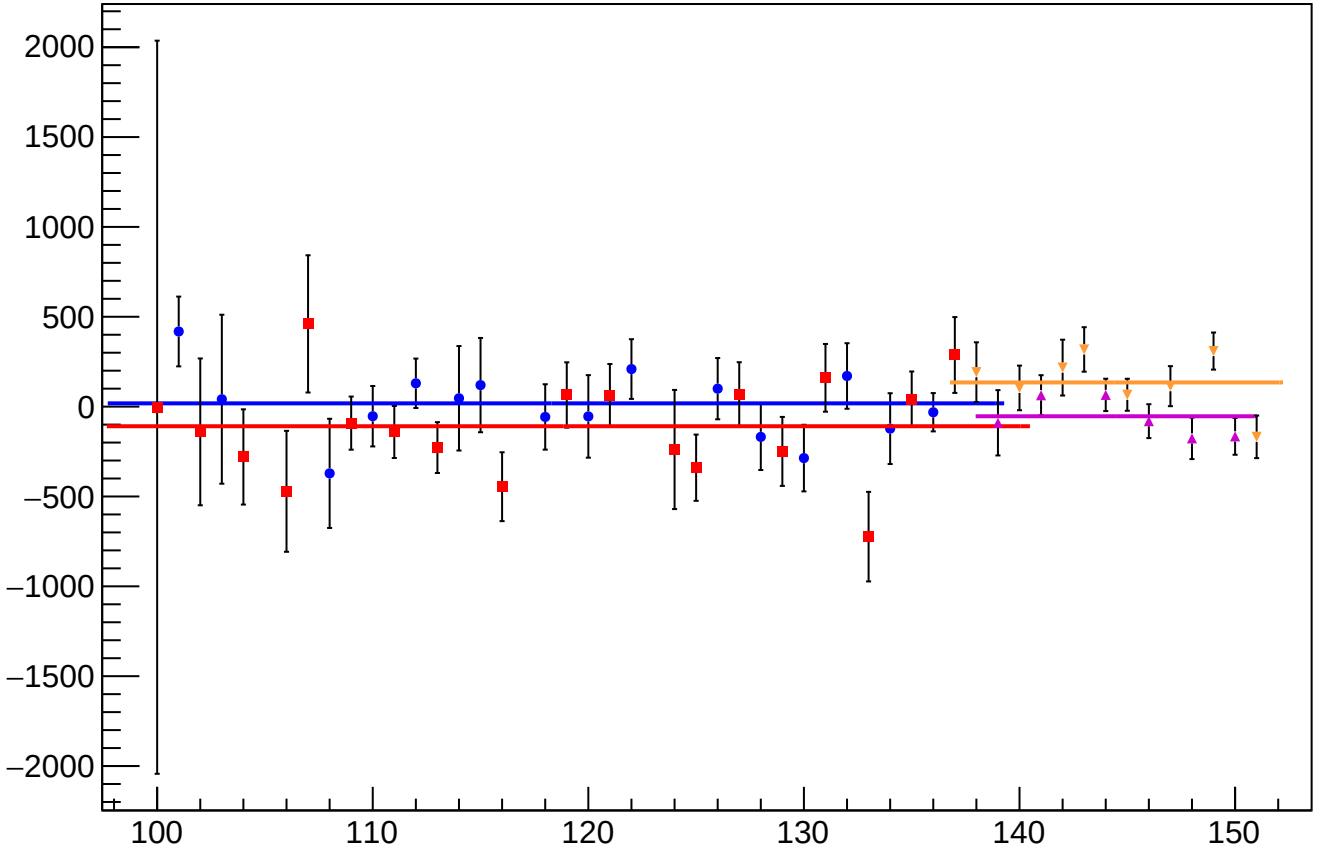
Left In: 809.753+/-0.262 χ^2/NDF:788368.4/5

+ sign 1082.680+/-0.226 χ^2/NDF: 3544857.8/23

All: 1057.106+/-0.159 χ^2/NDF: 7559337.1/48

- sign 1031.899+/-0.224 χ^2/NDF: 3989047.8/24

cor_asym_sam3_mean vs Slug



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 134.489+/-41.533 χ^2/NDF:12.7/7

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

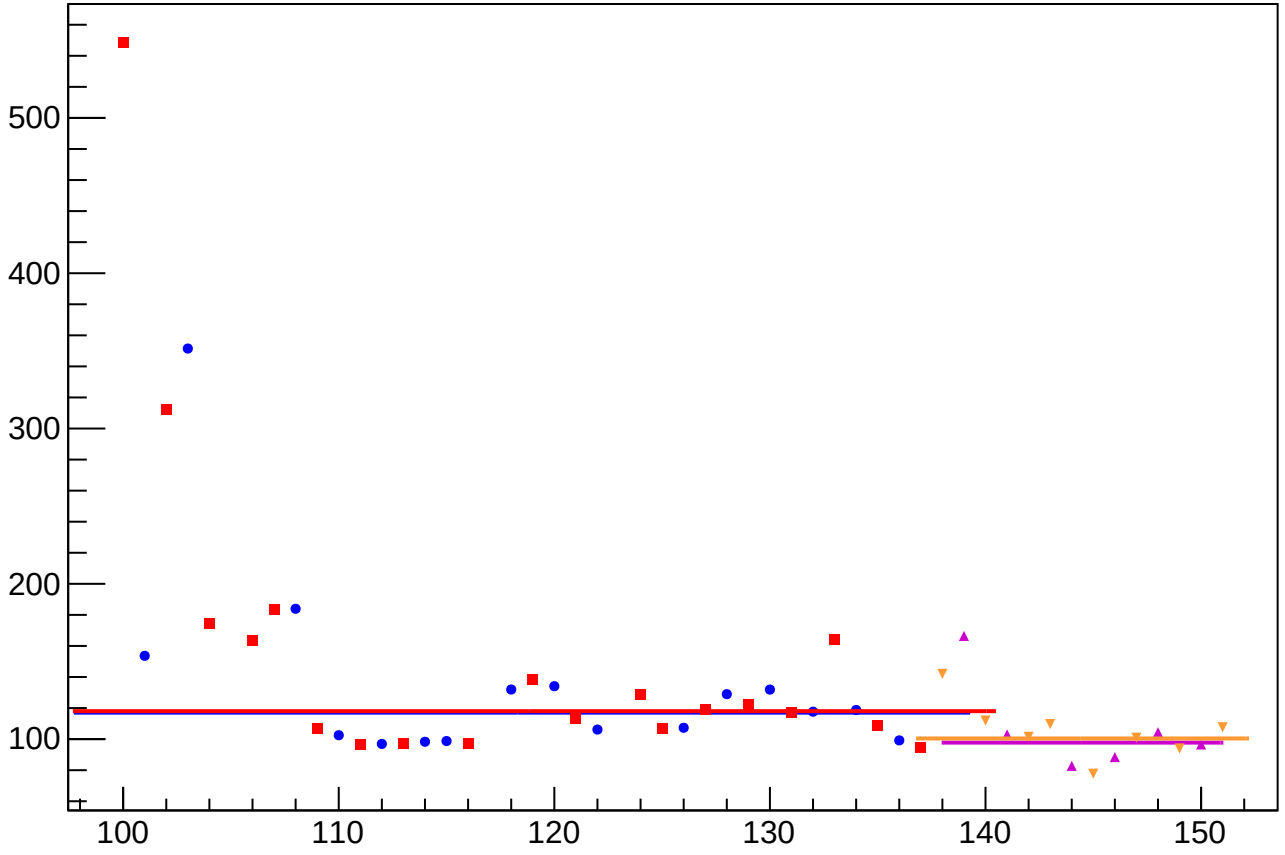
Left In: -53.722+/-43.964 χ^2/NDF:5.3/5

+ sign 81.889+/-30.737 χ^2/NDF: 30.1/23

All: 3.367+/-22.076 χ^2/NDF: 75.0/48

- sign -80.286+/-31.726 χ^2/NDF: 31.5/24

cor_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 100.430+/-0.029 χ^2/NDF:299405.1/7

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

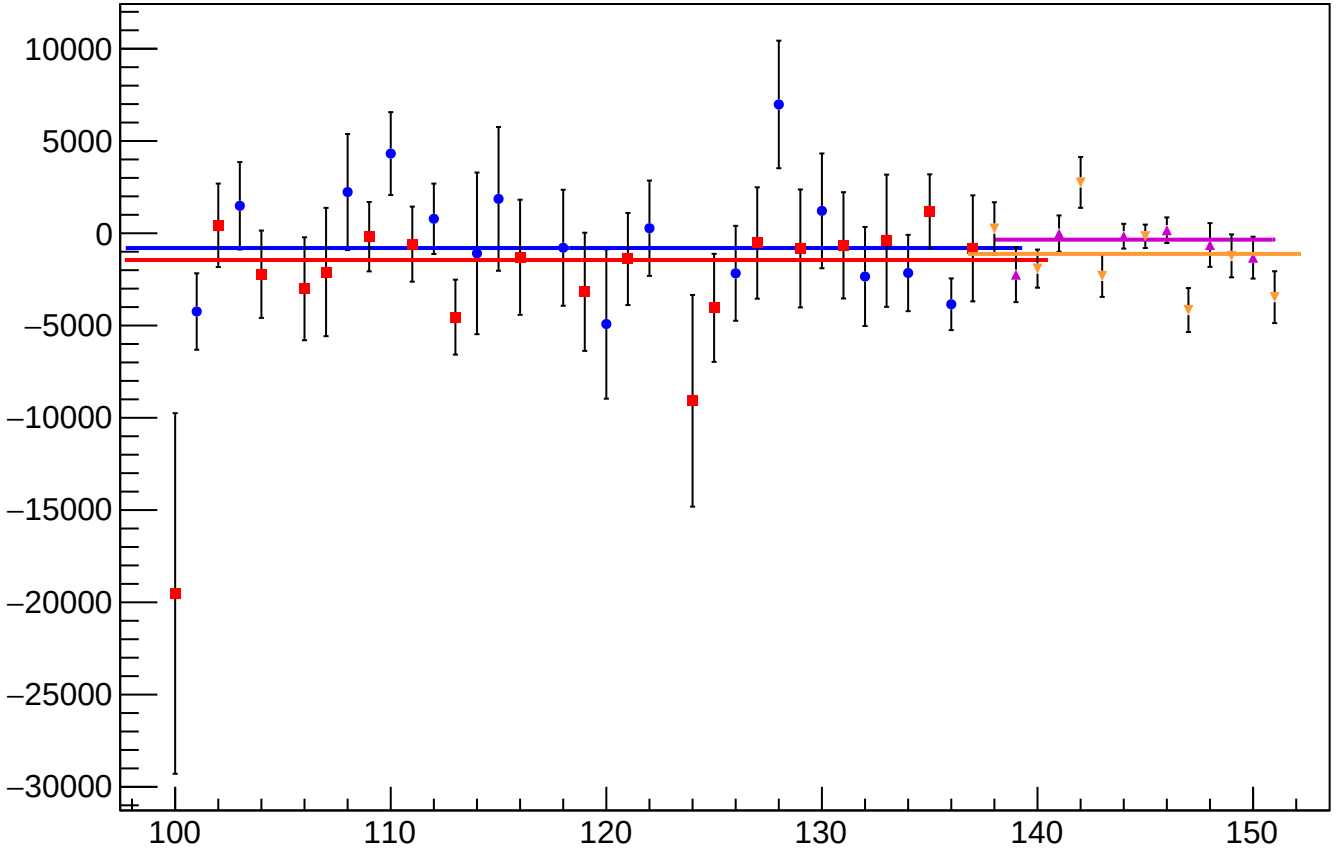
Left In: 97.760+/-0.031 χ^2/NDF:371853.0/5

+ sign 107.953+/-0.022 χ^2/NDF: 1302880.4/23

All: 107.716+/-0.016 χ^2/NDF: 2864789.8/48

- sign 107.463+/-0.022 χ^2/NDF: 1561663.6/24

asym_sam3_cor_correction_mean vs Slug



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1117.965+/-373.825 χ^2/NDF:22.1/7

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

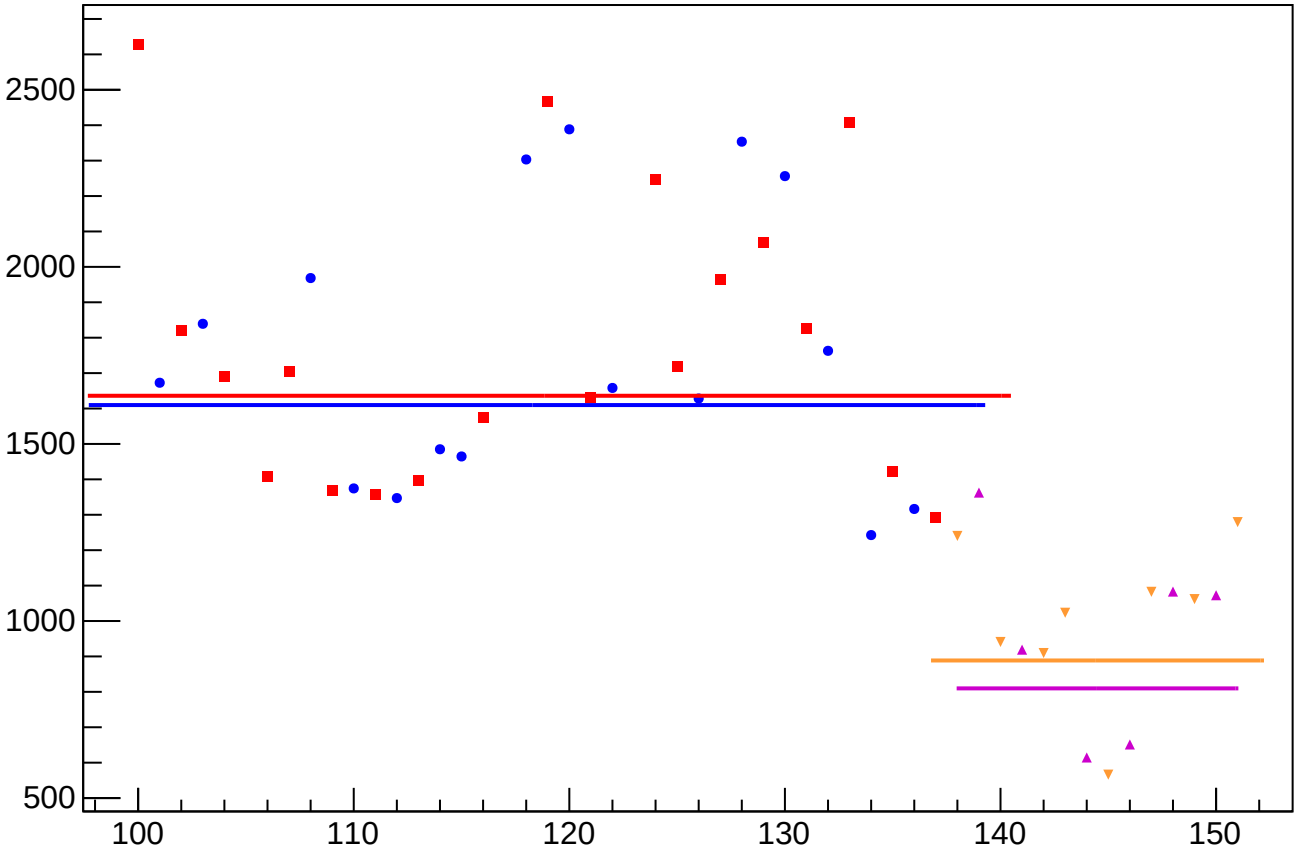
Left In: -346.623+/-370.793 χ^2/NDF:3.2/5

+ sign -1032.148+/-319.583 χ^2/NDF: 45.7/23

All: -835.151+/-225.227 χ^2/NDF: 64.5/48

- sign -640.754+/-317.467 χ^2/NDF: 18.0/24

asym_sam3_cor_correction_rms vs Slug



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 888.566+/-0.264 χ^2/NDF:922113.2/7

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

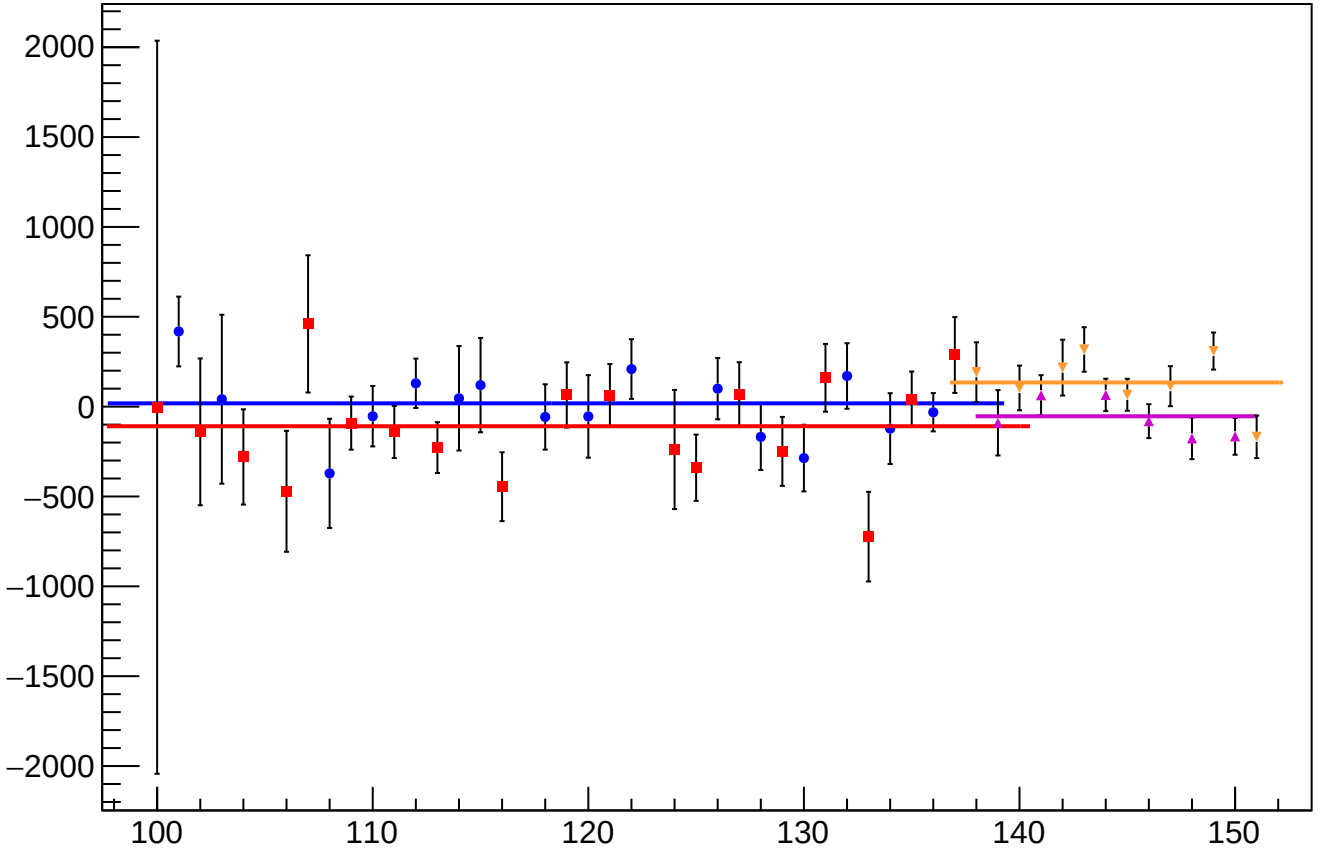
Left In: 809.752+/-0.262 χ^2/NDF:788371.1/5

+ sign 1082.680+/-0.226 χ^2/NDF: 3544920.5/23

All: 1056.333+/-0.159 χ^2/NDF: 7539465.3/48

- sign 1030.333+/-0.224 χ^2/NDF: 3967536.5/24

eigen_cor_asym_sam3_mean vs Slug



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 134.489+/-41.533 χ^2/NDF:12.7/7

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

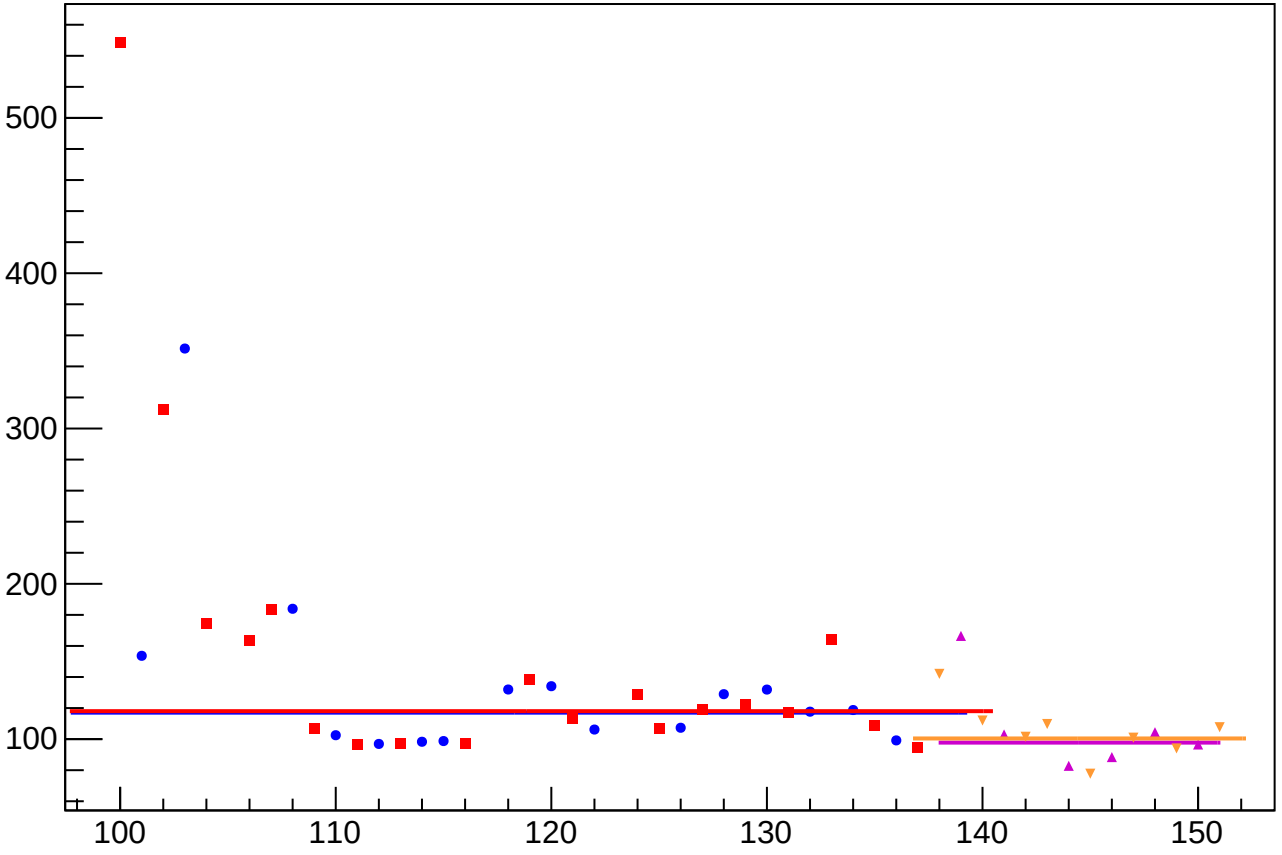
Left In: -53.722+/-43.964 χ^2/NDF:5.3/5

+ sign 81.889+/-30.737 χ^2/NDF: 30.1/23

All: 3.367+/-22.076 χ^2/NDF: 75.0/48

- sign -80.286+/-31.726 χ^2/NDF: 31.5/24

eigen_cor_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 100.430+/-0.029 χ^2/NDF:299405.1/7

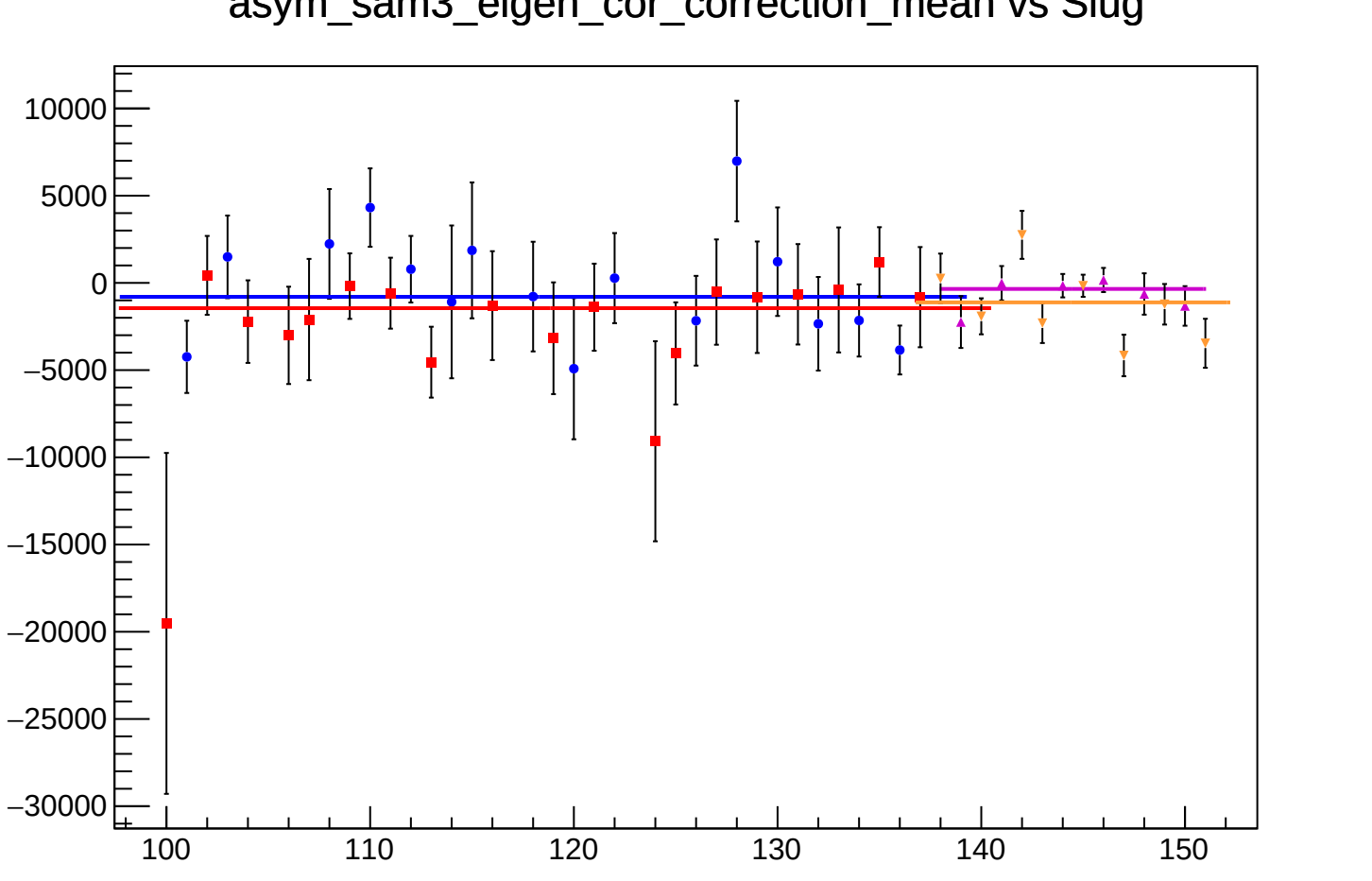
Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 97.760+/-0.031 χ^2/NDF:371853.0/5

+ sign 107.953+/-0.022 χ^2/NDF: 1302880.4/23

All: 107.716+/-0.016 χ^2/NDF: 2864789.8/48

- sign 107.463+/-0.022 χ^2/NDF: 1561663.6/24



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1117.965+/-373.825 χ^2/NDF:22.1/7

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

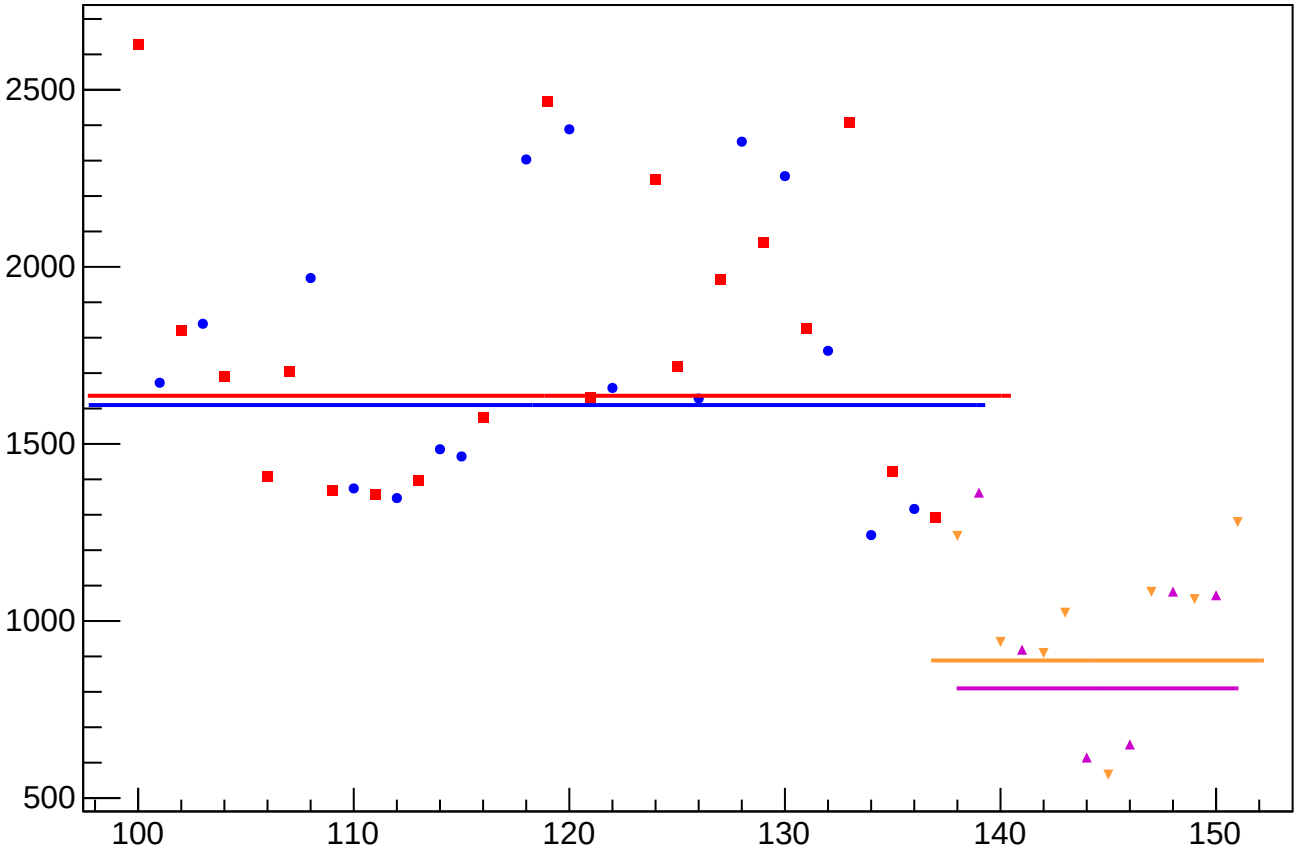
Left In: -346.623+/-370.793 χ^2/NDF:3.2/5

+ sign -1032.148+/-319.583 χ^2/NDF: 45.7/23

All: -835.151+/-225.227 χ^2/NDF: 64.5/48

- sign -640.754+/-317.467 χ^2/NDF: 18.0/24

asym_sam3_eigen_cor_correction_rms vs Slug



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 888.566+/-0.264 χ^2/NDF:922113.2/7

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

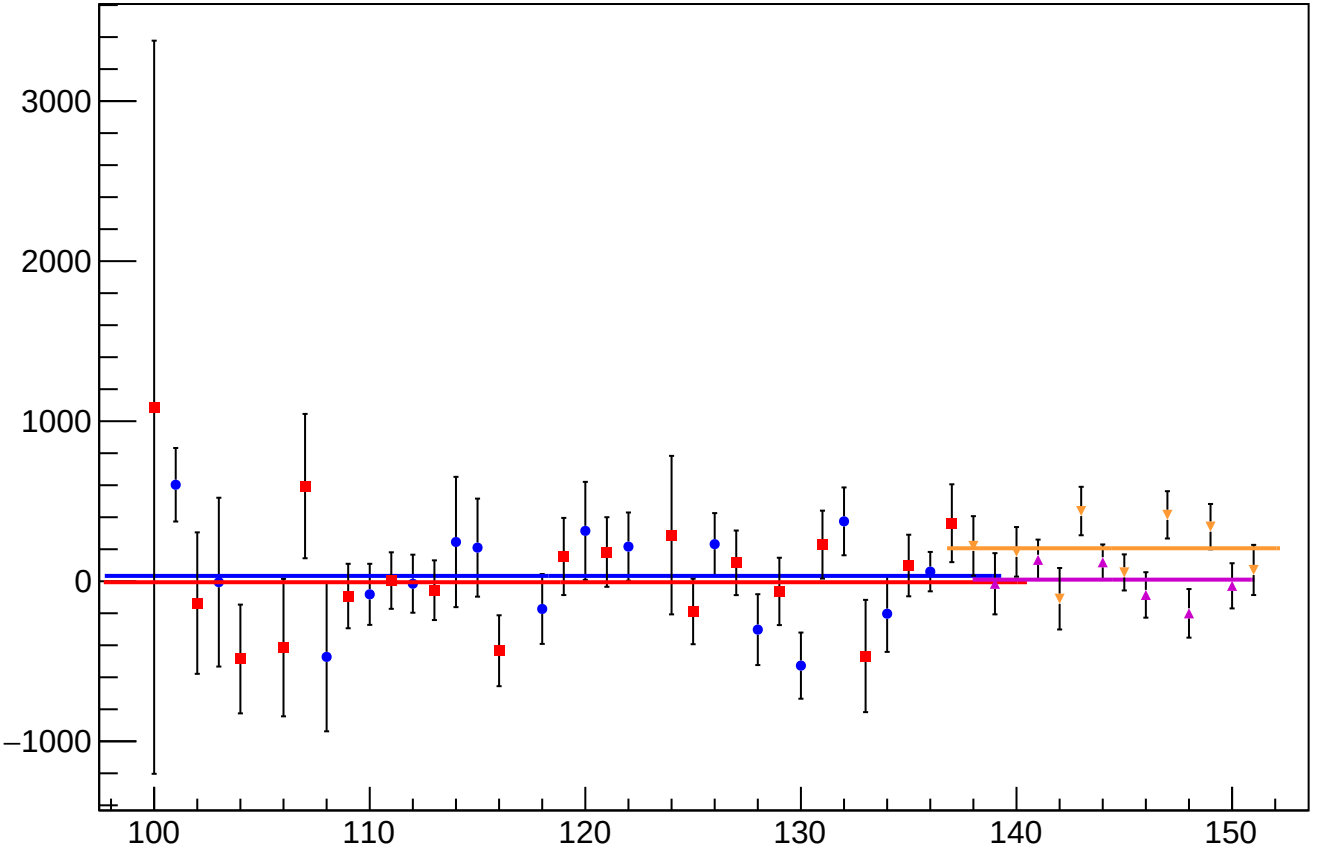
Left In: 809.752+/-0.262 χ^2/NDF:788371.1/5

+ sign 1082.680+/-0.226 χ^2/NDF: 3544920.5/23

All: 1056.333+/-0.159 χ^2/NDF: 7539465.3/48

- sign 1030.333+/-0.224 χ^2/NDF: 3967536.5/24

dit_asym_sam3_mean vs Slug



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 206.108+/-52.979 χ^2/NDF:10.5/7

Right Out: -6.107+/-56.090 χ^2/NDF: 17.3/18

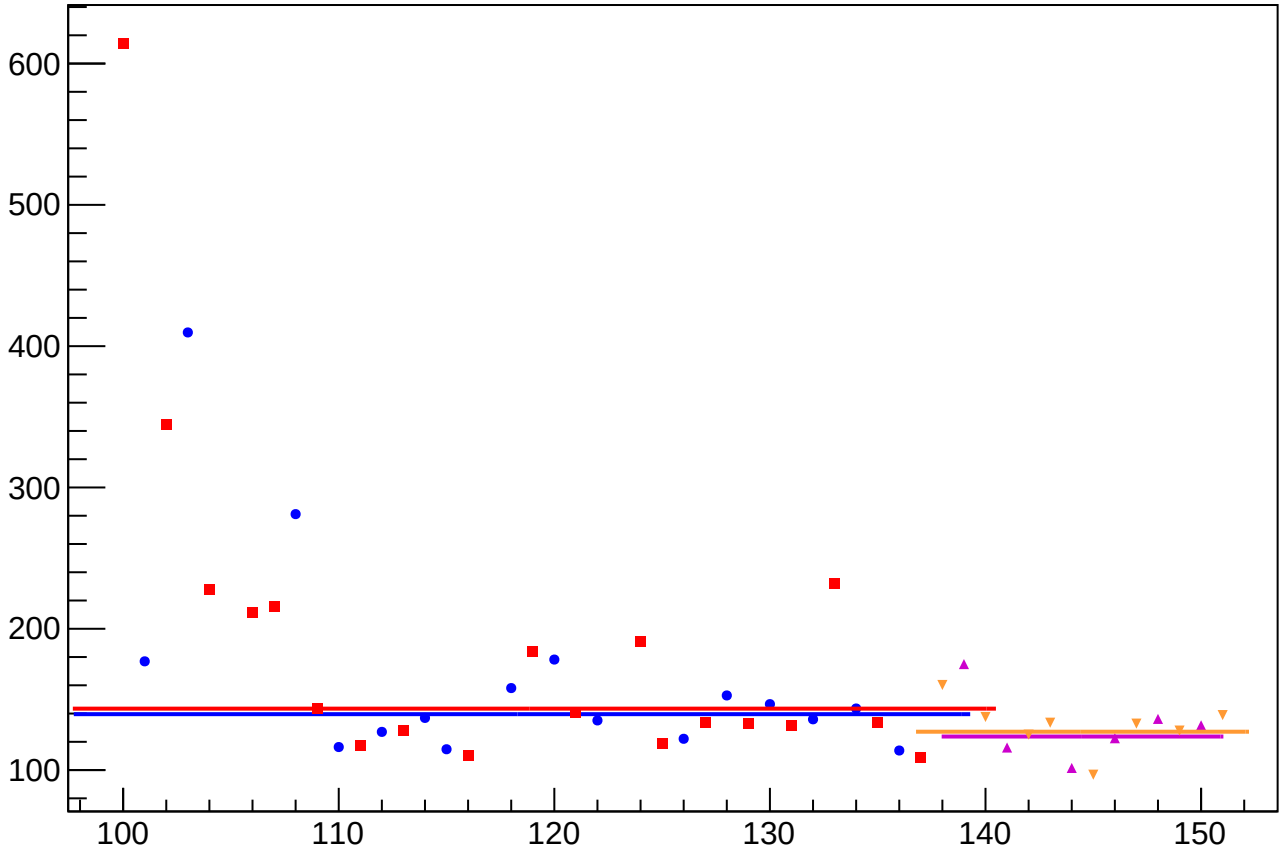
Left In: 10.057+/-56.442 χ^2/NDF:4.4/5

+ sign 122.874+/-38.126 χ^2/NDF: 40.8/23

All: 64.975+/-27.527 χ^2/NDF: 67.4/48

- sign 1.924+/-39.786 χ^2/NDF: 21.7/24

dit_asym_sam3_rms vs Slug



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 127.155+/-0.037 χ^2/NDF:235819.9/7

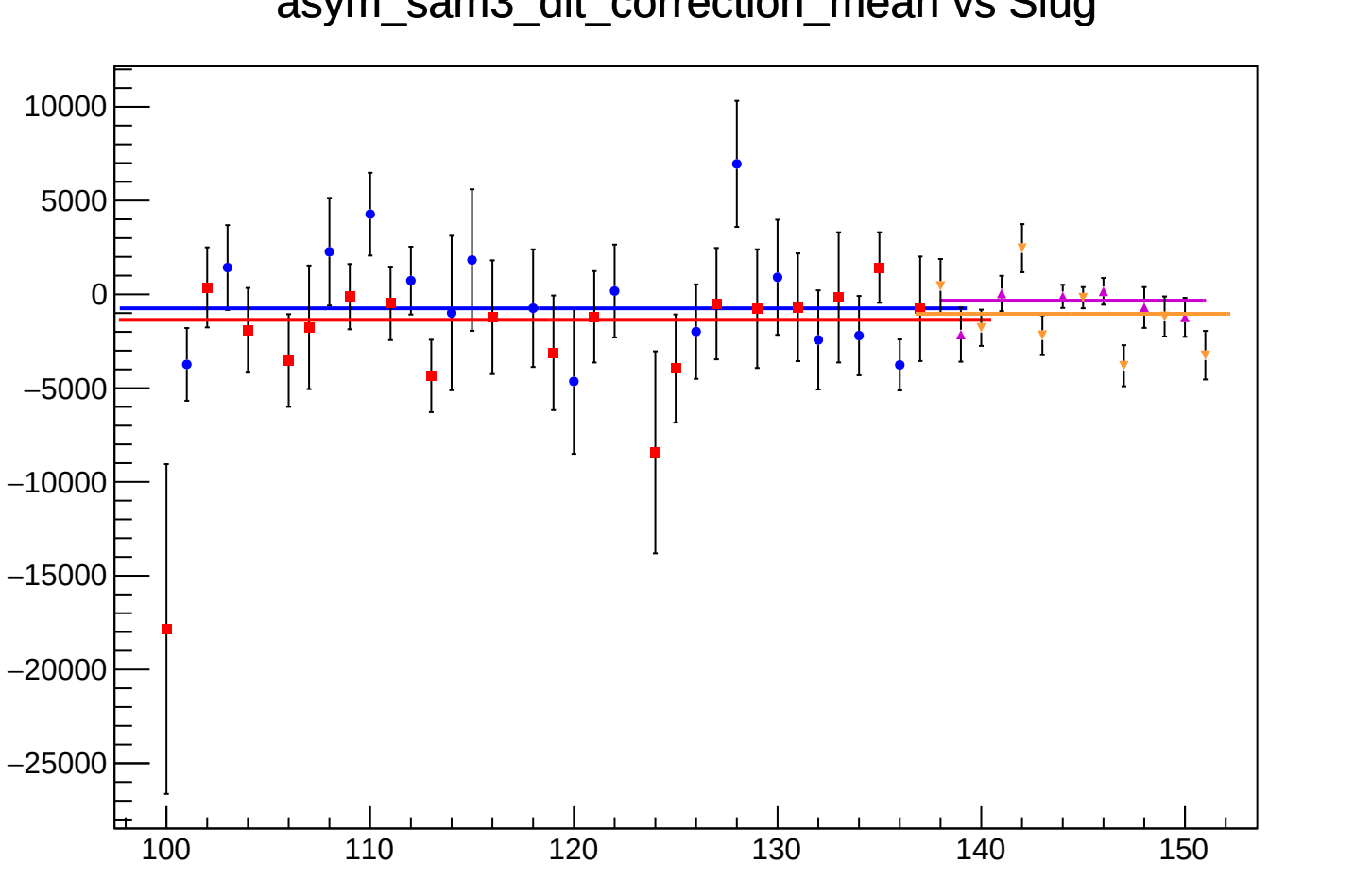
Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

Left In: 123.744+/-0.040 χ^2/NDF:251247.5/5

+ sign 133.139+/-0.027 χ^2/NDF: 1265478.3/23

All: 133.395+/-0.019 χ^2/NDF: 2756608.3/48

- sign 133.673+/-0.028 χ^2/NDF: 1490941.7/24



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -1040.427+/-343.401 χ^2/NDF:21.9/7

Right Out: -1357.874+/-585.808 χ^2/NDF: 13.5/18

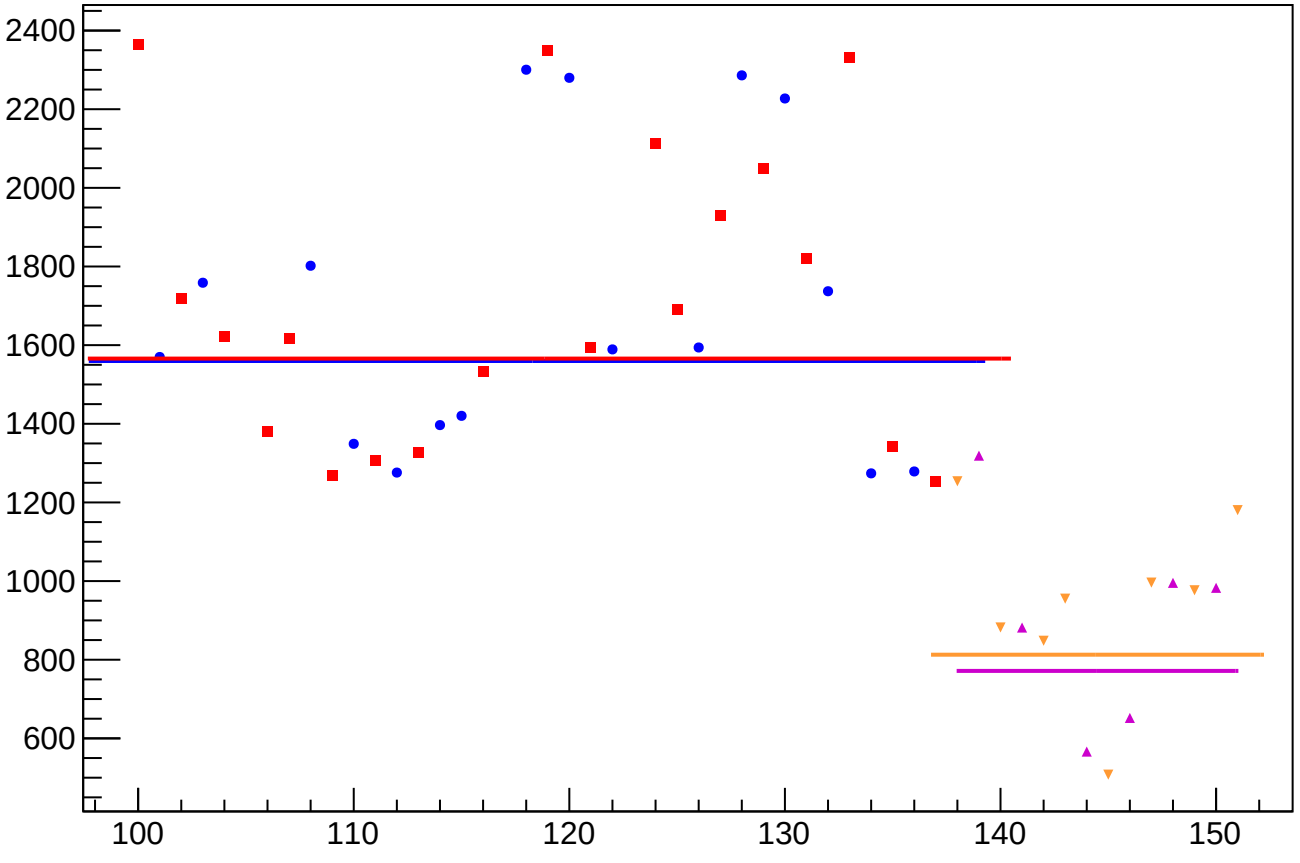
Left In: -335.445+/-354.194 χ^2/NDF:3.2/5

\+ sign -966.681+/-297.522 χ^2/NDF: 45.5/23

All: -791.237+/-212.324 χ^2/NDF: 65.2/48

\- sign -609.154+/-303.098 χ^2/NDF: 19.0/24

asym_sam3_dit_correction_rms vs Slug



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 812.781+/-0.243 χ^2/NDF:1081808.5/7

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

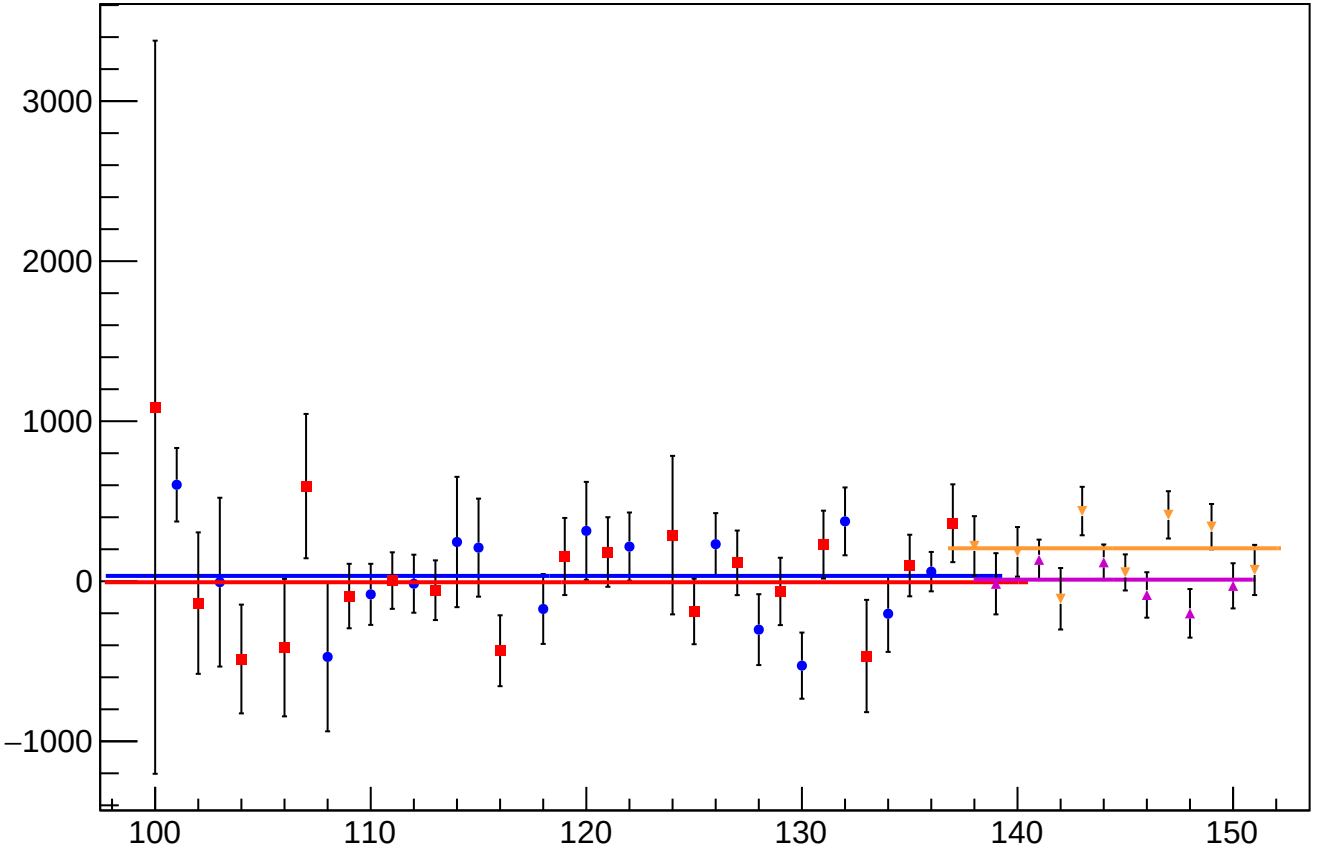
Left In: 771.567+/-0.250 χ^2/NDF:760057.7/5

+ sign 999.040+/-0.210 χ^2/NDF: 4045602.7/23

All: 991.752+/-0.150 χ^2/NDF: 8064171.8/48

- sign 984.189+/-0.214 χ^2/NDF: 4016123.9/24

eigen_dit_asym_sam3_mean vs Slug



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 206.109+/-52.980 χ^2/NDF:10.5/7

Right Out: -6.103+/-56.090 χ^2/NDF: 17.3/18

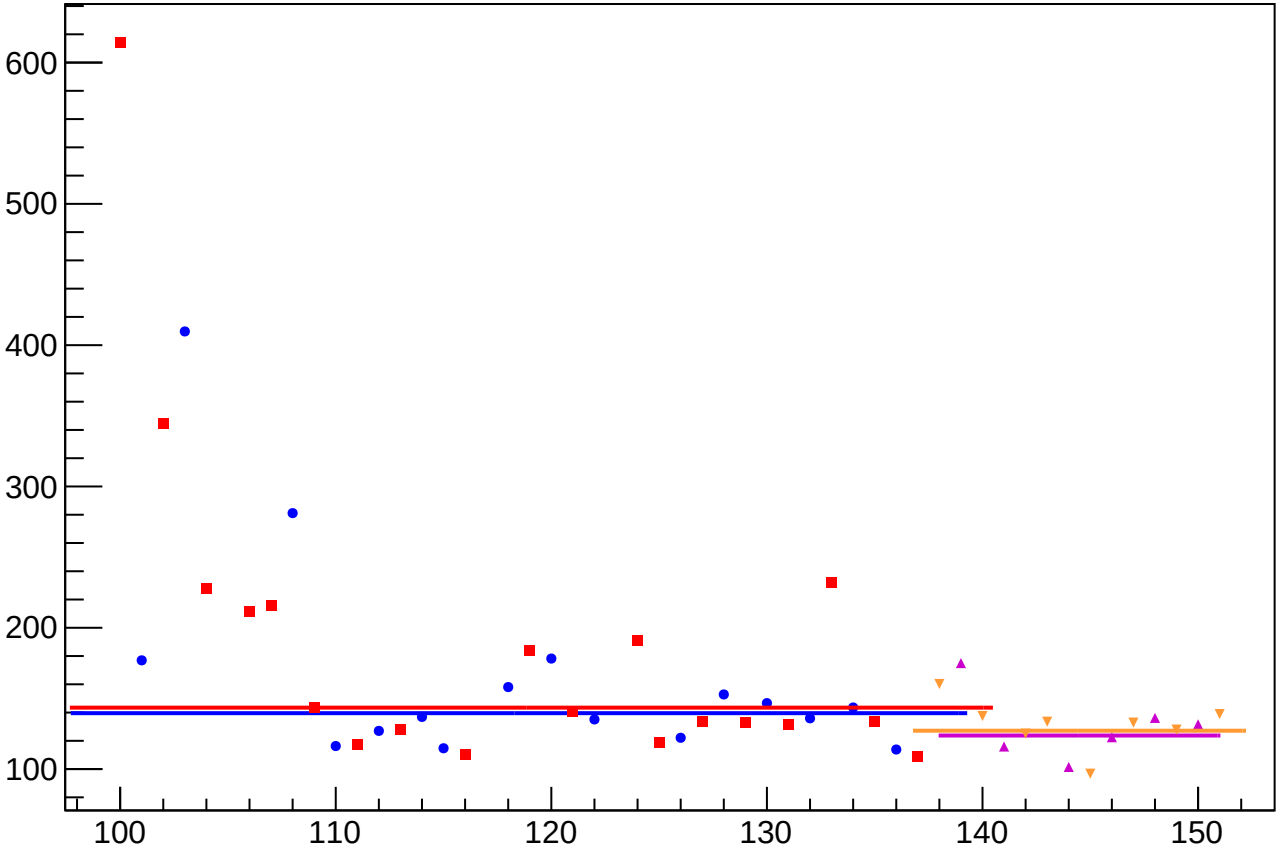
Left In: 10.057+/-56.442 χ^2/NDF:4.4/5

+ sign 122.873+/-38.126 χ^2/NDF: 40.8/23

All: 64.976+/-27.527 χ^2/NDF: 67.4/48

- sign 1.927+/-39.786 χ^2/NDF: 21.7/24

eigen_dit_asym_sam3_rms vs Slug



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 127.155+/-0.037 χ^2/NDF:235826.4/7

Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

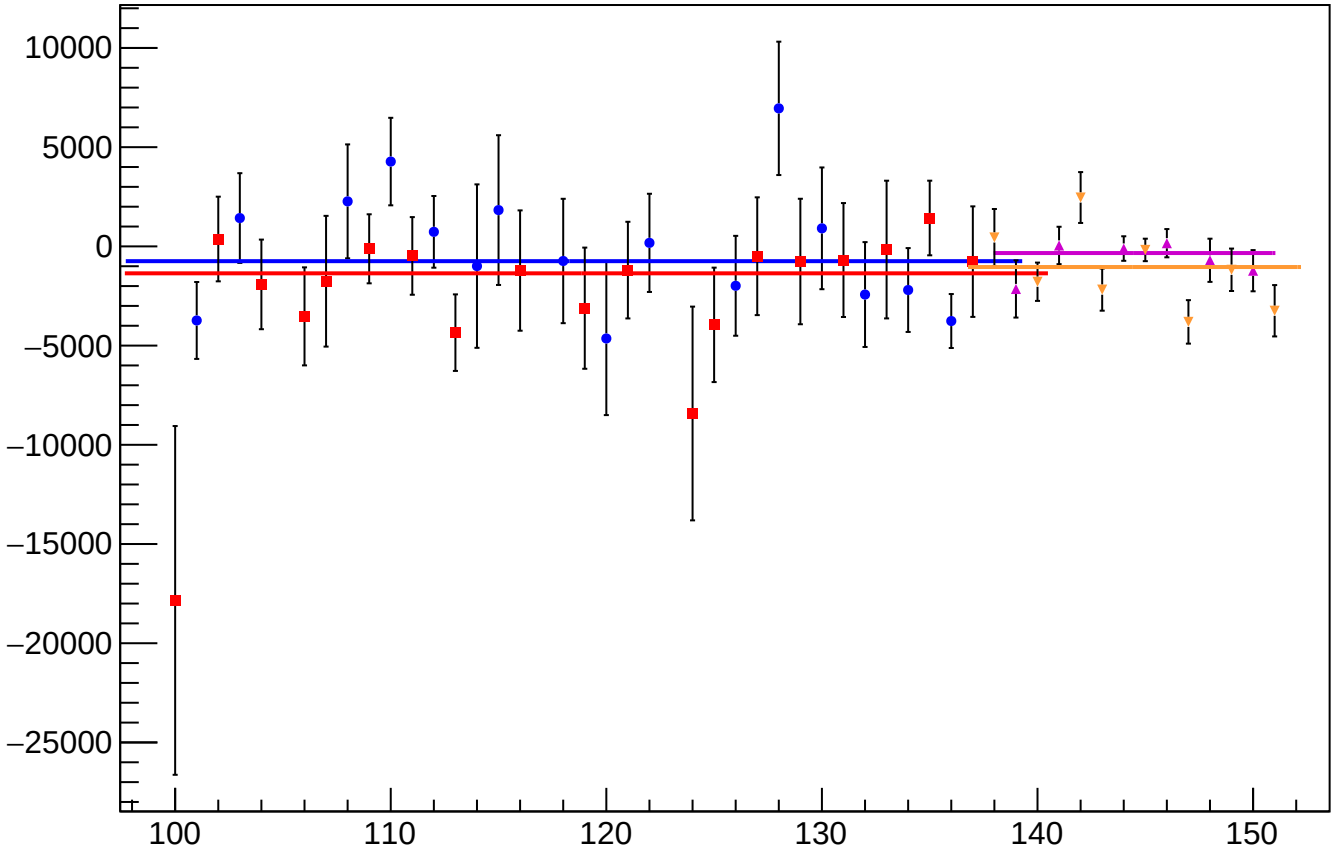
Left In: 123.745+/-0.040 χ^2/NDF:251246.8/5

+ sign 133.139+/-0.027 χ^2/NDF: 1265483.6/23

All: 133.395+/-0.019 χ^2/NDF: 2756620.0/48

- sign 133.674+/-0.028 χ^2/NDF: 1490948.2/24

asym_sam3_eigen_dit_correction_mean vs Slug



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -1040.430+/-343.401 χ^2/NDF:21.9/7

Right Out: -1357.874+/-585.807 χ^2/NDF: 13.5/18

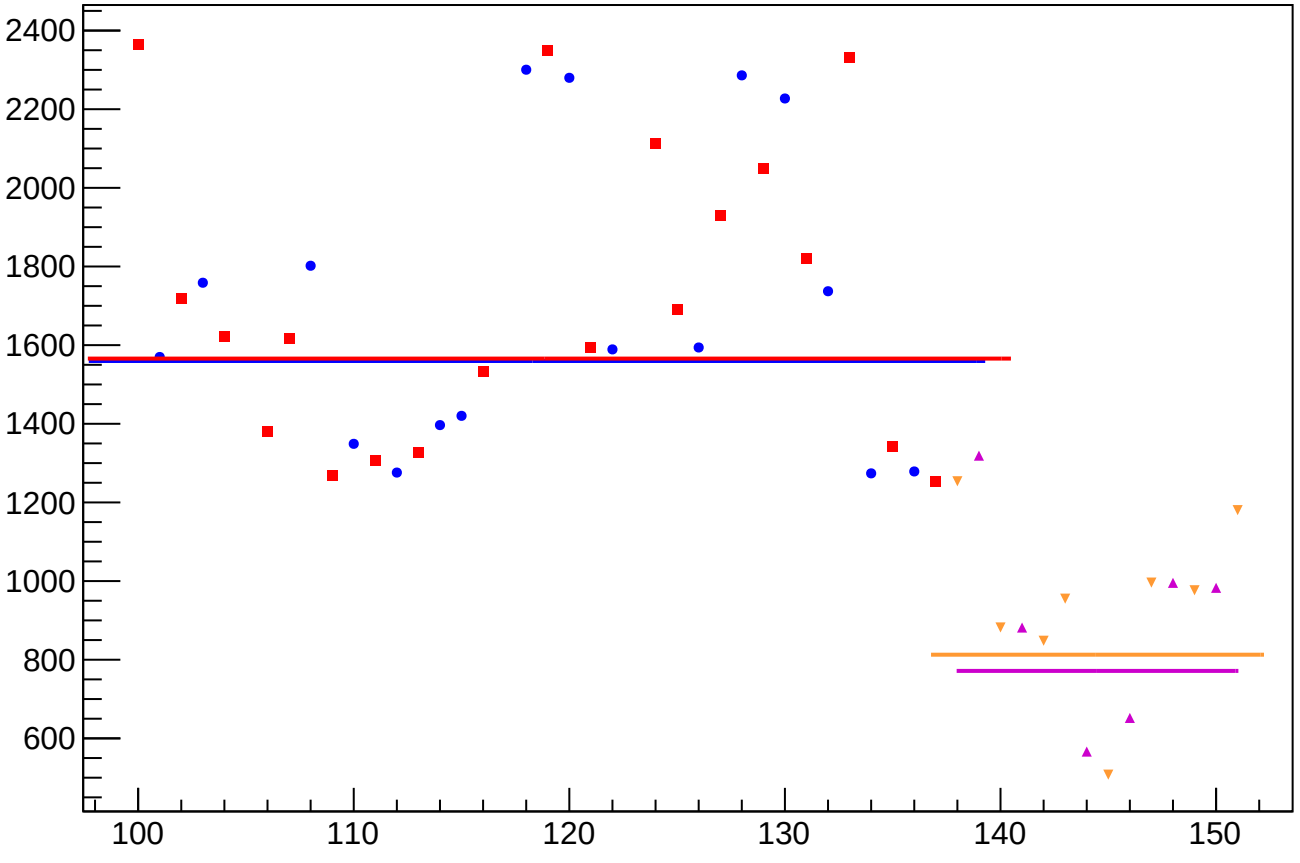
Left In: -335.444+/-354.193 χ^2/NDF:3.2/5

\+ sign -966.682+/-297.521 χ^2/NDF: 45.5/23

All: -791.237+/-212.324 χ^2/NDF: 65.2/48

\- sign -609.154+/-303.098 χ^2/NDF: 19.0/24

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 812.781+/-0.243 χ^2/NDF:1081808.0/7

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

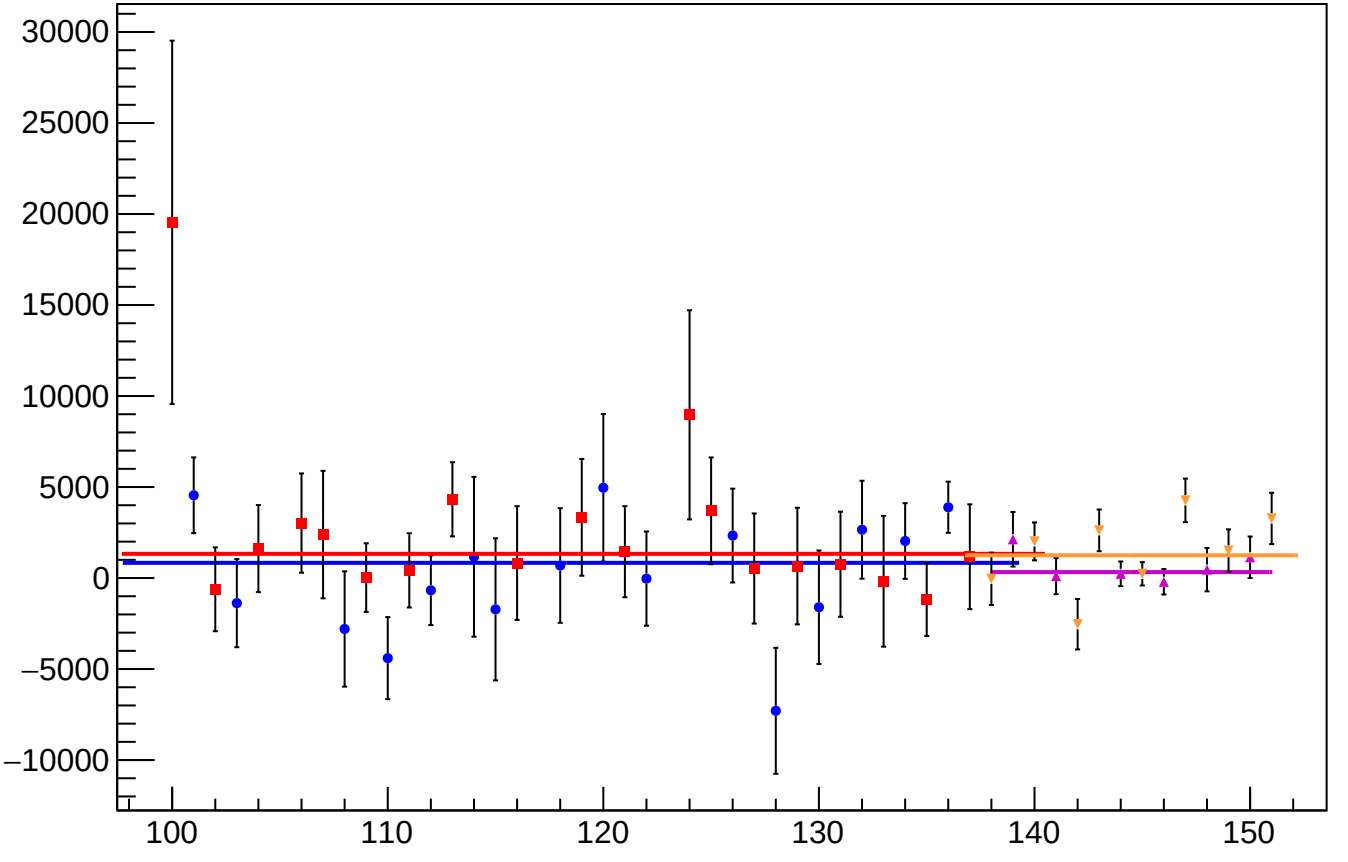
Left In: 771.566+/-0.250 χ^2/NDF:760058.7/5

+ sign 999.039+/-0.210 χ^2/NDF: 4045602.5/23

All: 991.751+/-0.150 χ^2/NDF: 8064167.4/48

- sign 984.188+/-0.214 χ^2/NDF: 4016119.7/24

asym_sam3_mean vs Slug



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 1248.946+/-376.574 χ^2/NDF:21.2/7

Right Out: 1329.538+/-616.428 χ^2/NDF: 12.1/18

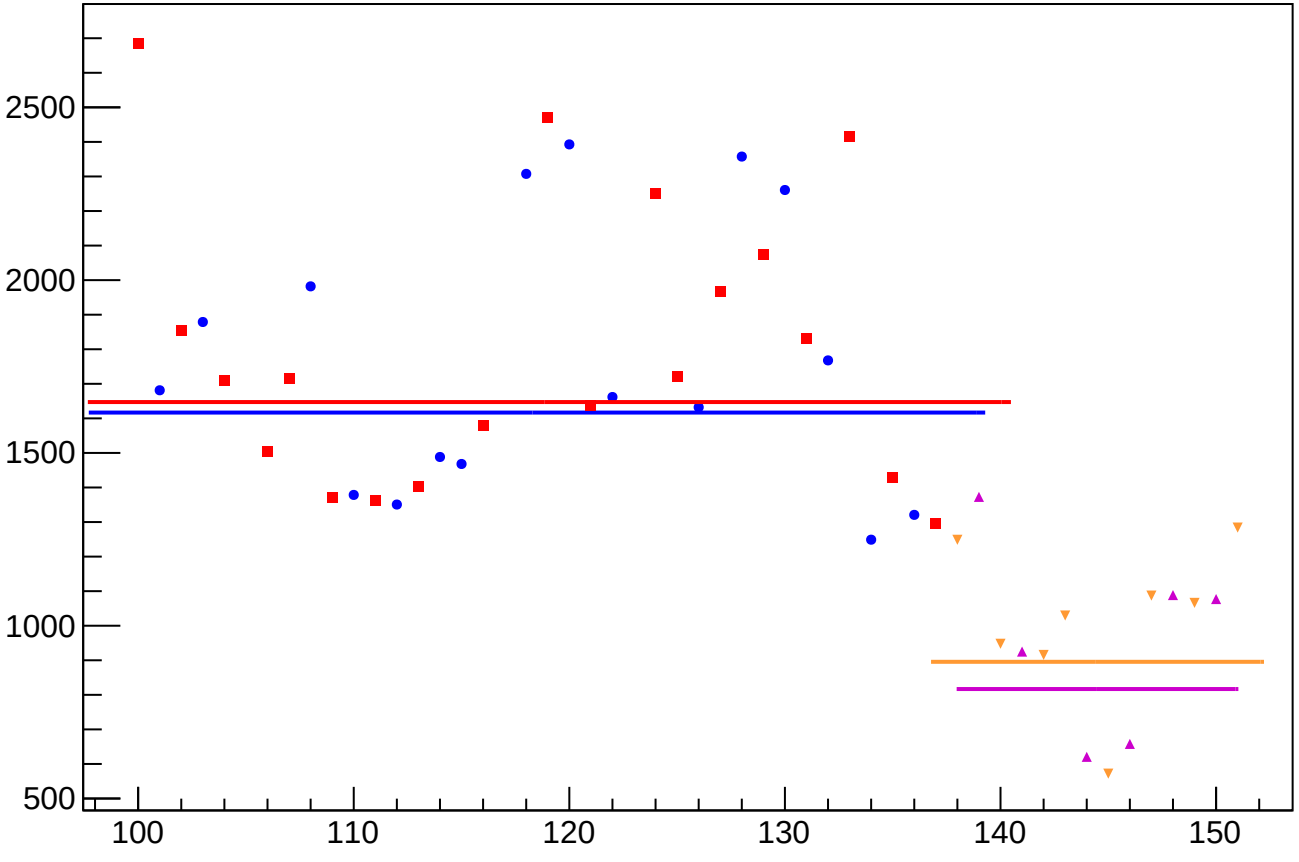
Left In: 328.180+/-373.822 χ^2/NDF:2.6/5

+ sign 1137.205+/-321.686 χ^2/NDF: 46.4/23

All: 865.591+/-226.739 χ^2/NDF: 64.5/48

- sign 597.423+/-319.639 χ^2/NDF: 16.7/24

asym_sam3_rms vs Slug



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 895.585+/-0.266 χ^2/NDF:907489.0/7

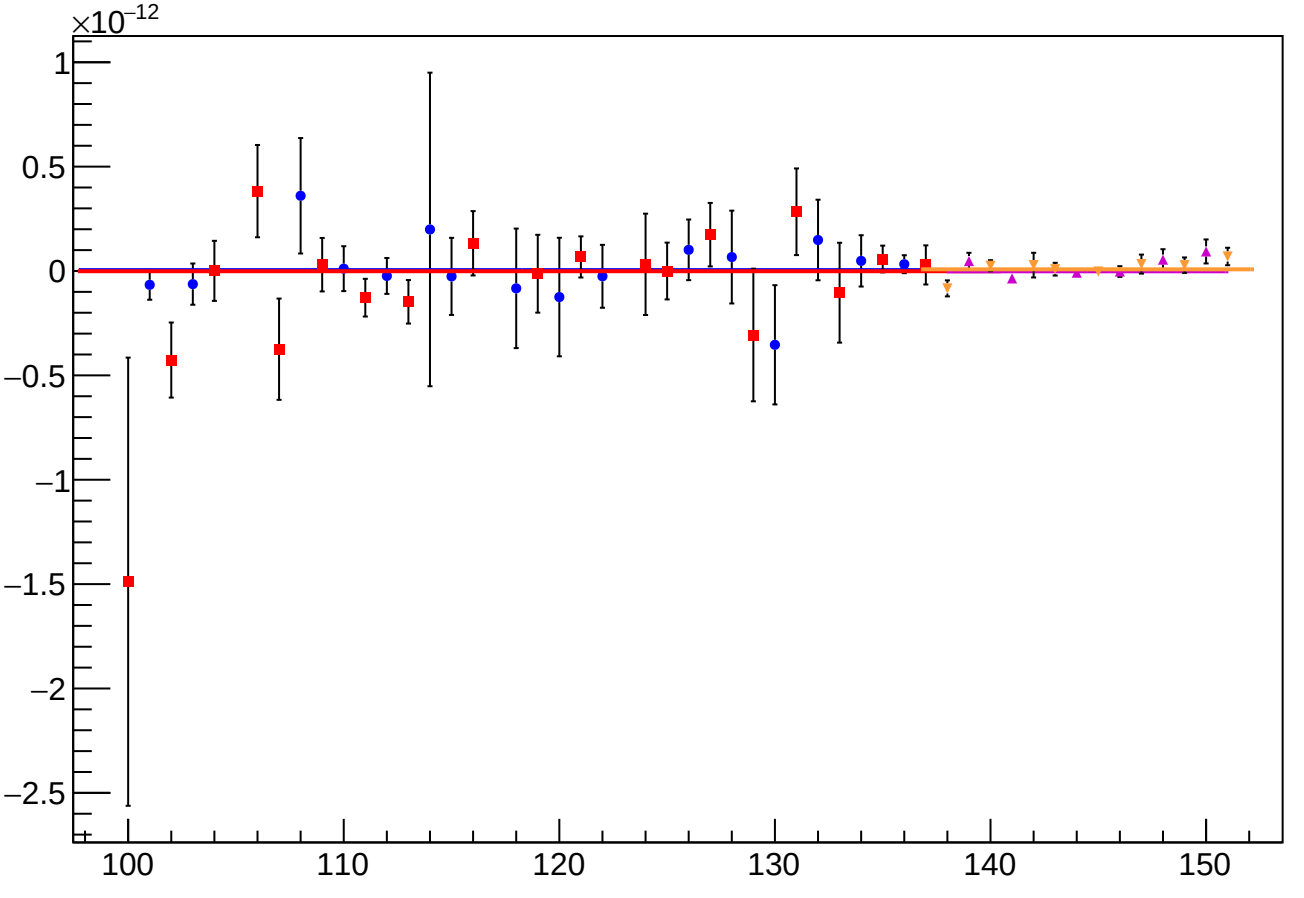
Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 816.806+/-0.264 χ^2/NDF:778440.4/5

+ sign 1090.506+/-0.227 χ^2/NDF: 3512454.6/23

All: 1065.136+/-0.160 χ^2/NDF: 7493184.2/48

- sign 1040.087+/-0.226 χ^2/NDF: 3956007.6/24



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.3/7

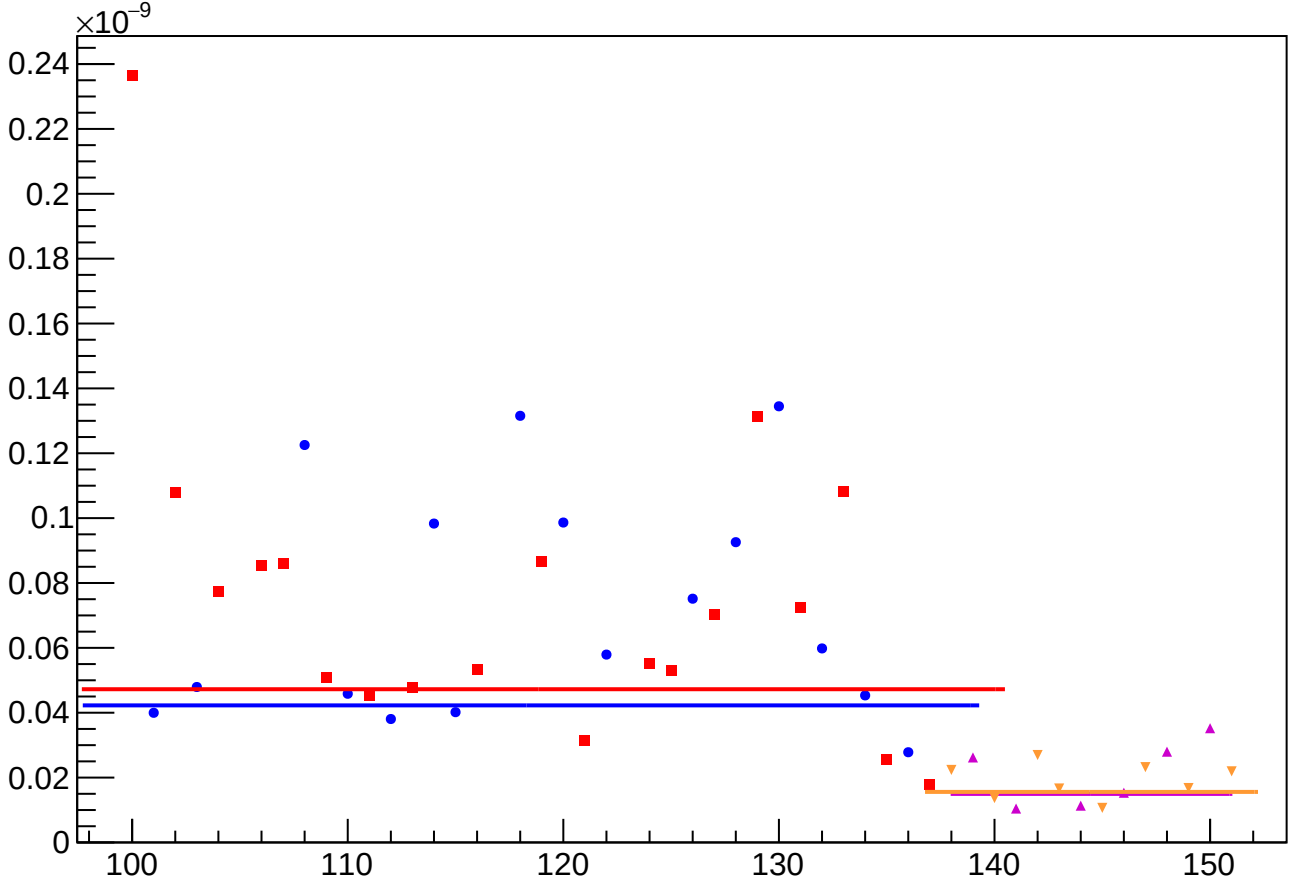
Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/18

Left In: -0.000+/-0.000 χ^2/NDF:7.7/5

+ sign 0.000+/-0.000 χ^2/NDF: 16.1/23

All: 0.000+/-0.000 χ^2/NDF: 47.6/48

- sign -0.000+/-0.000 χ^2/NDF: 31.1/24



Right In: 0.000+/-0.000 χ^2/NDF: 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:395439.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

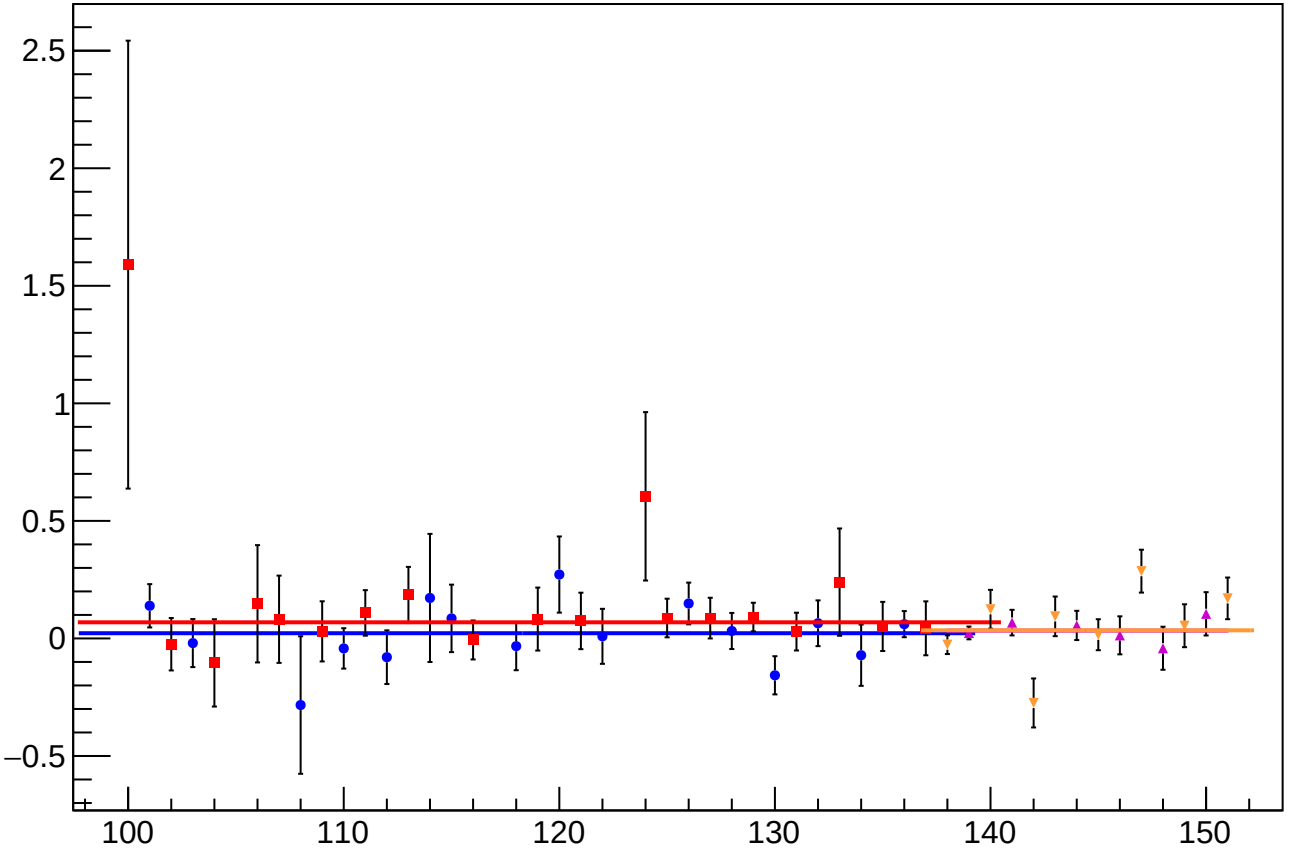
Left In: 0.000+/-0.000 χ^2/NDF:697145.0/5

+ sign 0.000+/-0.000 χ^2/NDF: 3190002.3/23

All: 0.000+/-0.000 χ^2/NDF: 7287392.0/48

- sign 0.000+/-0.000 χ^2/NDF: 4096014.2/24

asym_sam3_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.035+/-0.025 χ^2/NDF:22.9/7

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

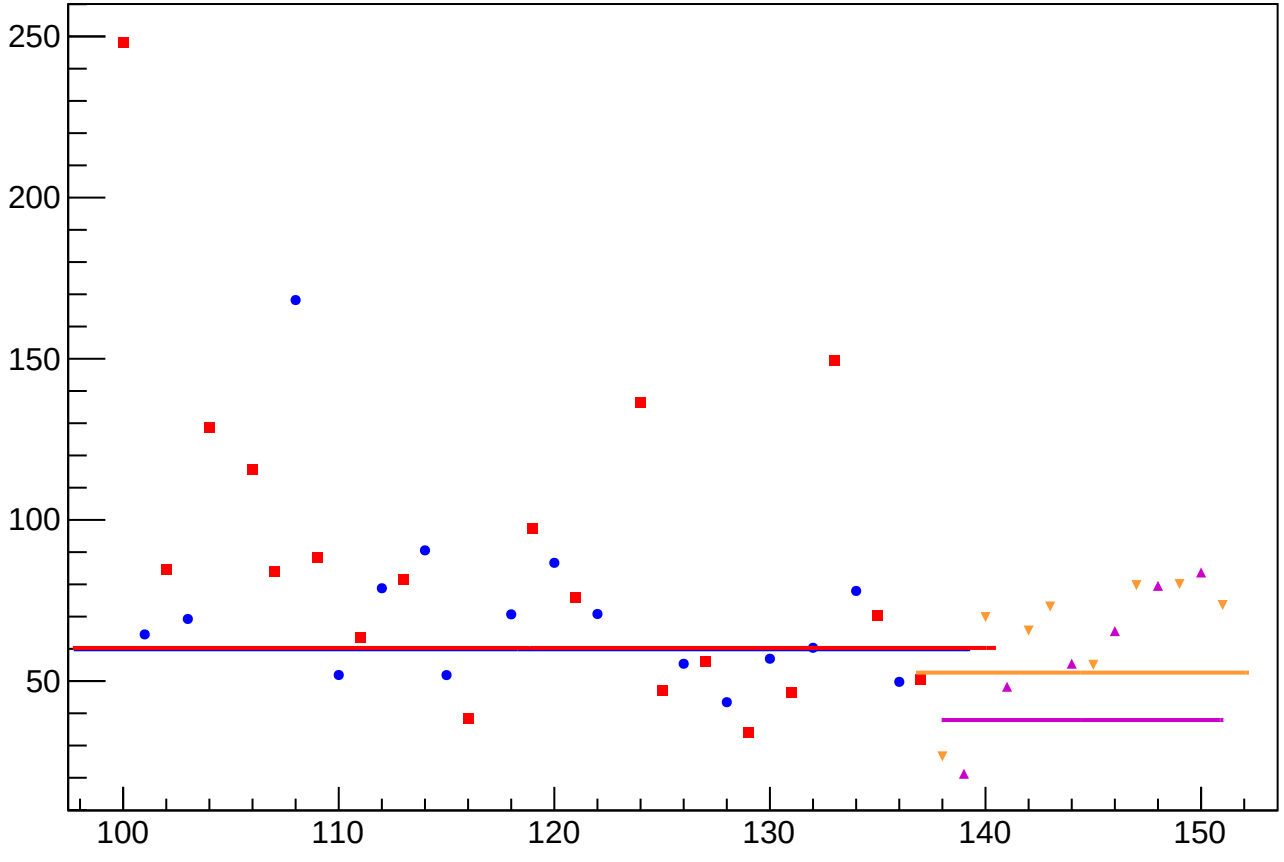
Left In: 0.033+/-0.021 χ^2/NDF:2.0/5

+ sign 0.028+/-0.018 χ^2/NDF: 38.5/23

All: 0.039+/-0.012 χ^2/NDF: 51.9/48

- sign 0.047+/-0.016 χ^2/NDF: 12.8/24

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 52.624+/-0.018 χ^2/NDF:1560227.5/7

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

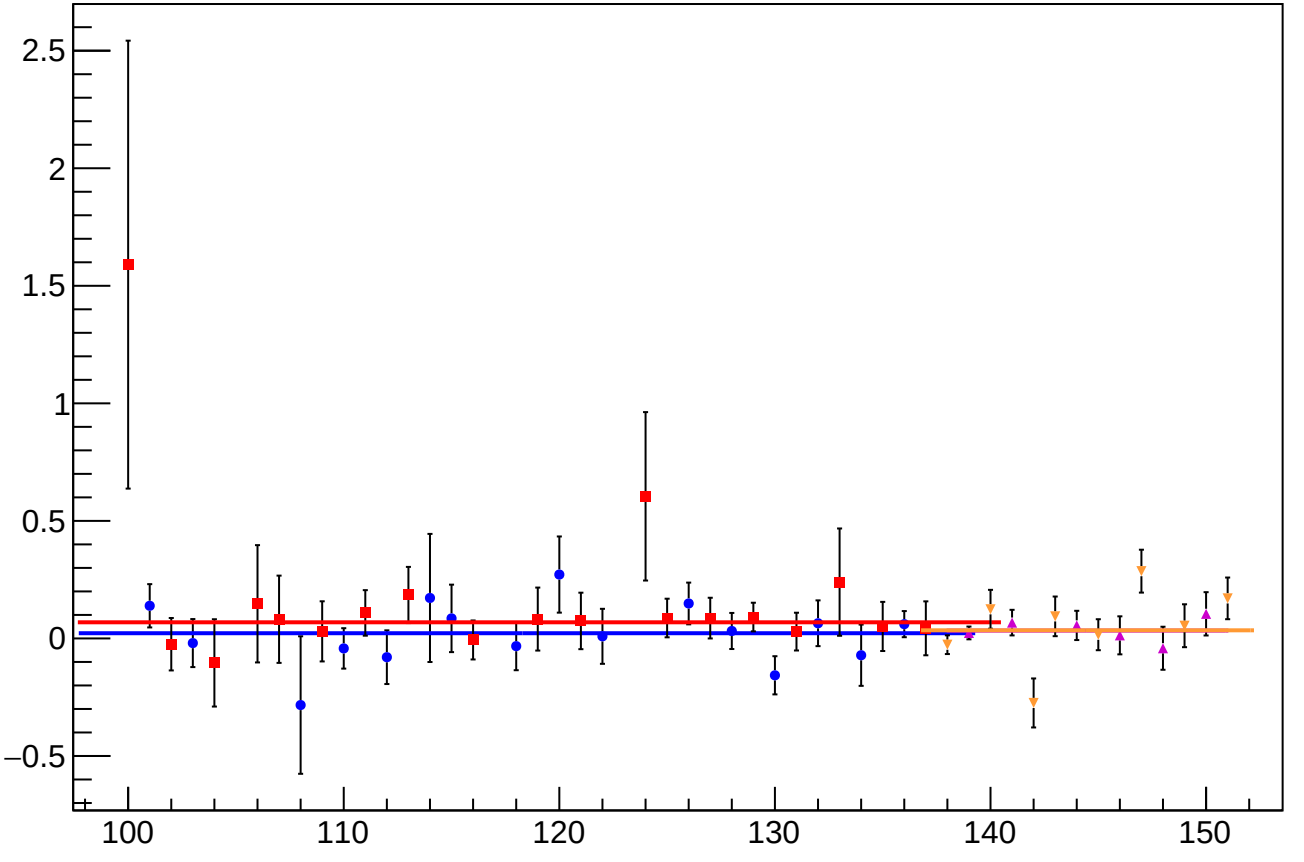
Left In: 37.913+/-0.015 χ^2/NDF:2125325.4/5

+ sign 56.285+/-0.012 χ^2/NDF: 2344426.7/23

All: 51.143+/-0.008 χ^2/NDF: 7700339.4/48

- sign 46.868+/-0.011 χ^2/NDF: 5041244.1/24

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.035+/-0.025 χ^2/NDF:22.9/7

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

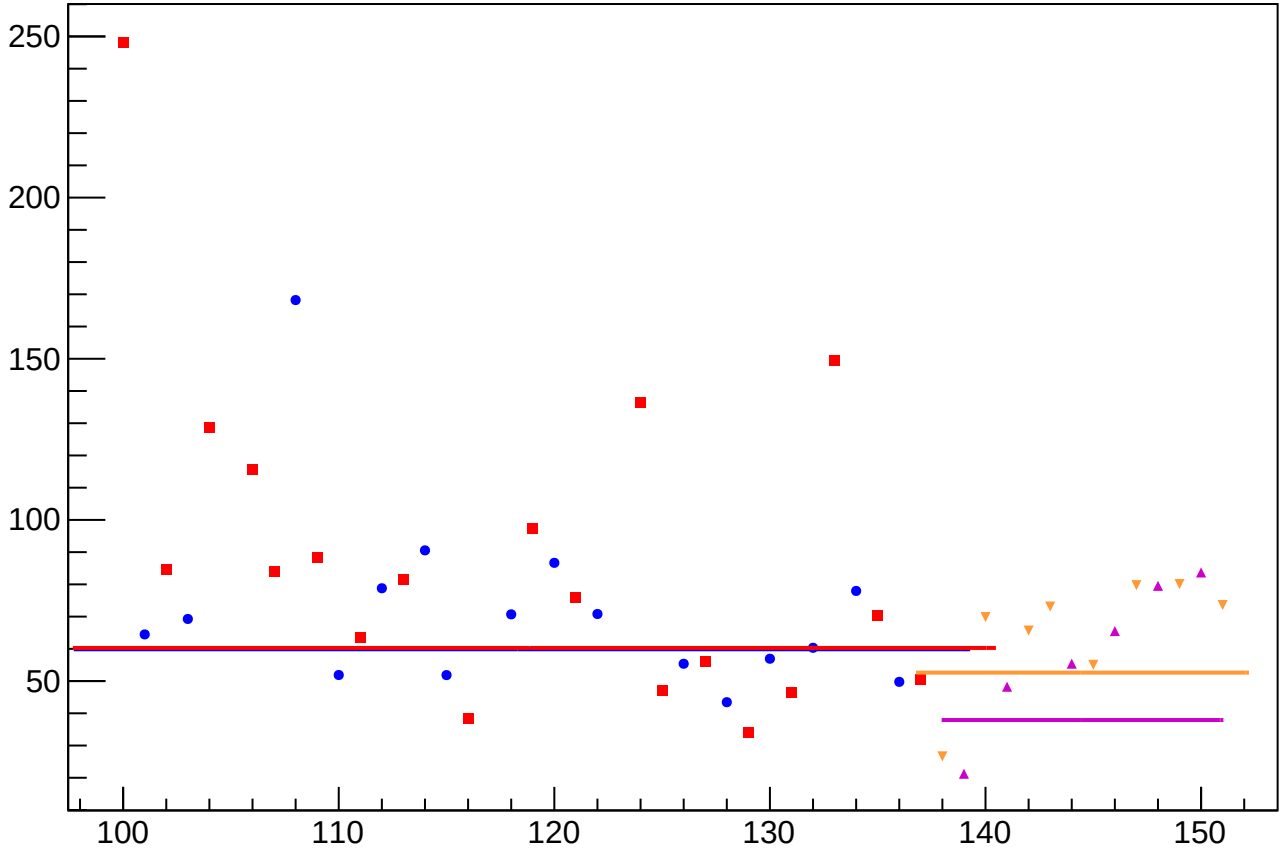
Left In: 0.033+/-0.021 χ^2/NDF:2.0/5

+ sign 0.028+/-0.018 χ^2/NDF: 38.5/23

All: 0.039+/-0.012 χ^2/NDF: 51.9/48

- sign 0.047+/-0.016 χ^2/NDF: 12.8/24

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 52.624+/-0.018 χ^2/NDF:1560227.5/7

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

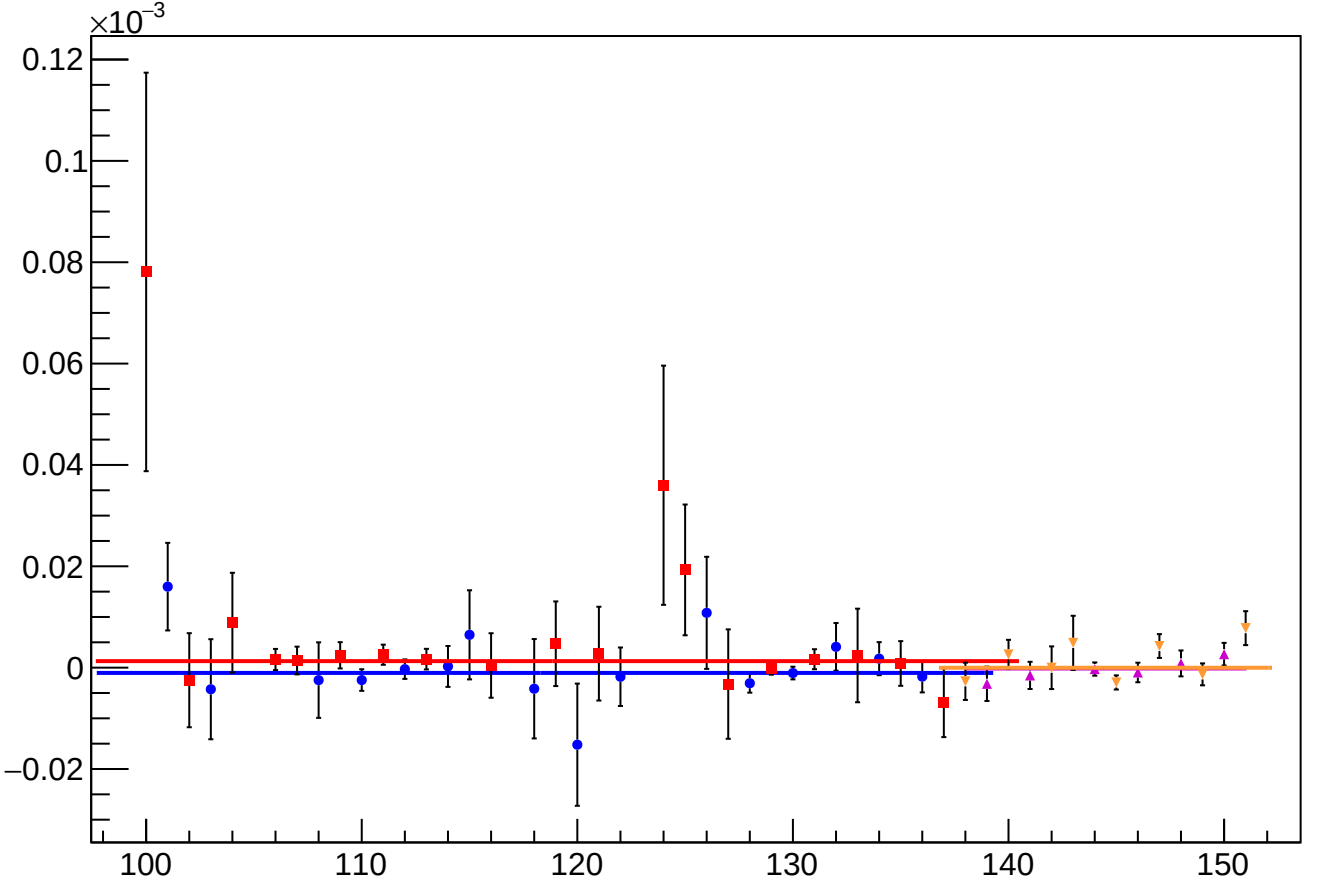
Left In: 37.913+/-0.015 χ^2/NDF:2125325.4/5

+ sign 56.285+/-0.012 χ^2/NDF: 2344426.7/23

All: 51.143+/-0.008 χ^2/NDF: 7700339.4/48

- sign 46.868+/-0.011 χ^2/NDF: 5041244.1/24

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:15.7/7

Right Out: 0.000+/-0.000 χ^2/NDF: 12.5/18

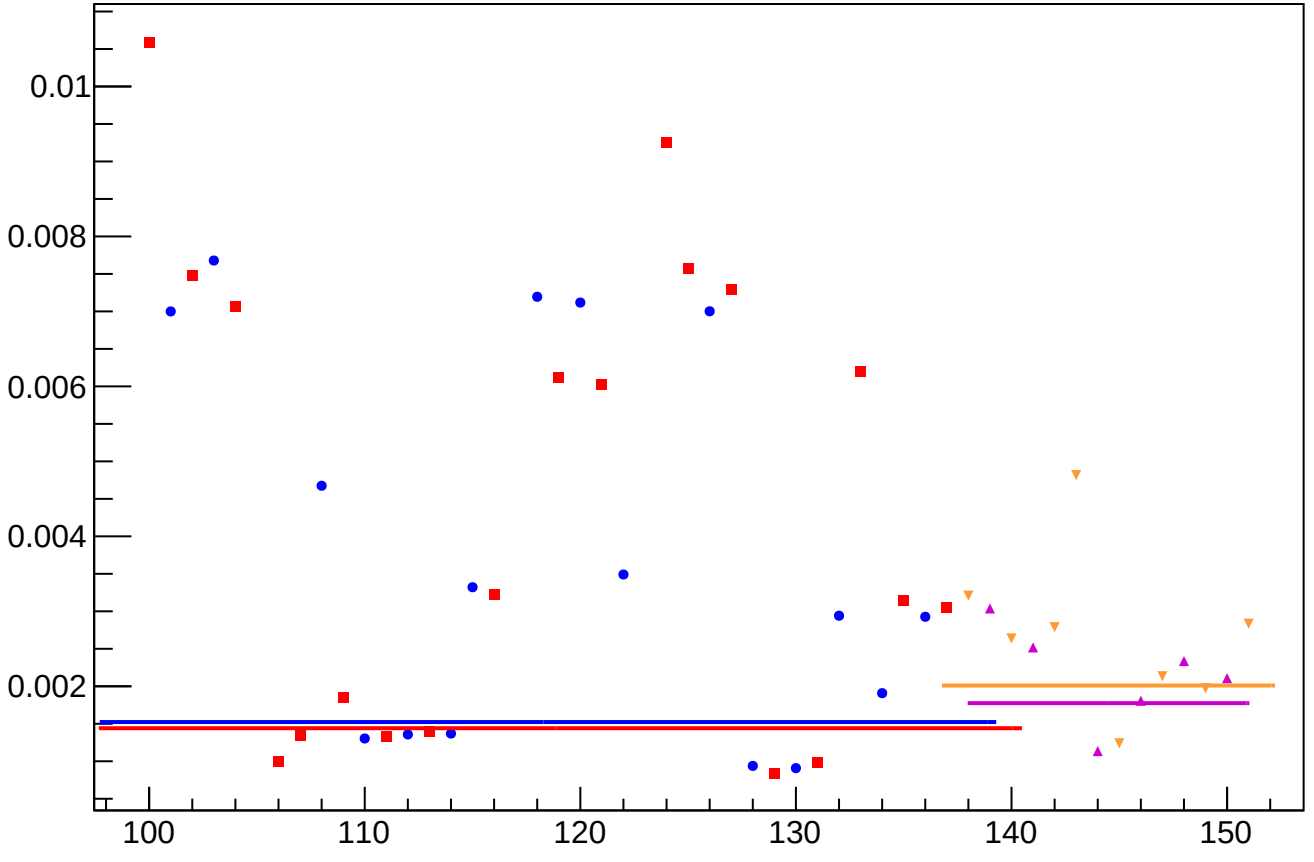
Left In: -0.000+/-0.000 χ^2/NDF:3.0/5

+ sign -0.000+/-0.000 χ^2/NDF: 27.7/23

All: 0.000+/-0.000 χ^2/NDF: 47.7/48

- sign 0.000+/-0.000 χ^2/NDF: 17.2/24

asym_sam3_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 5182869.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:1661783.0/7

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

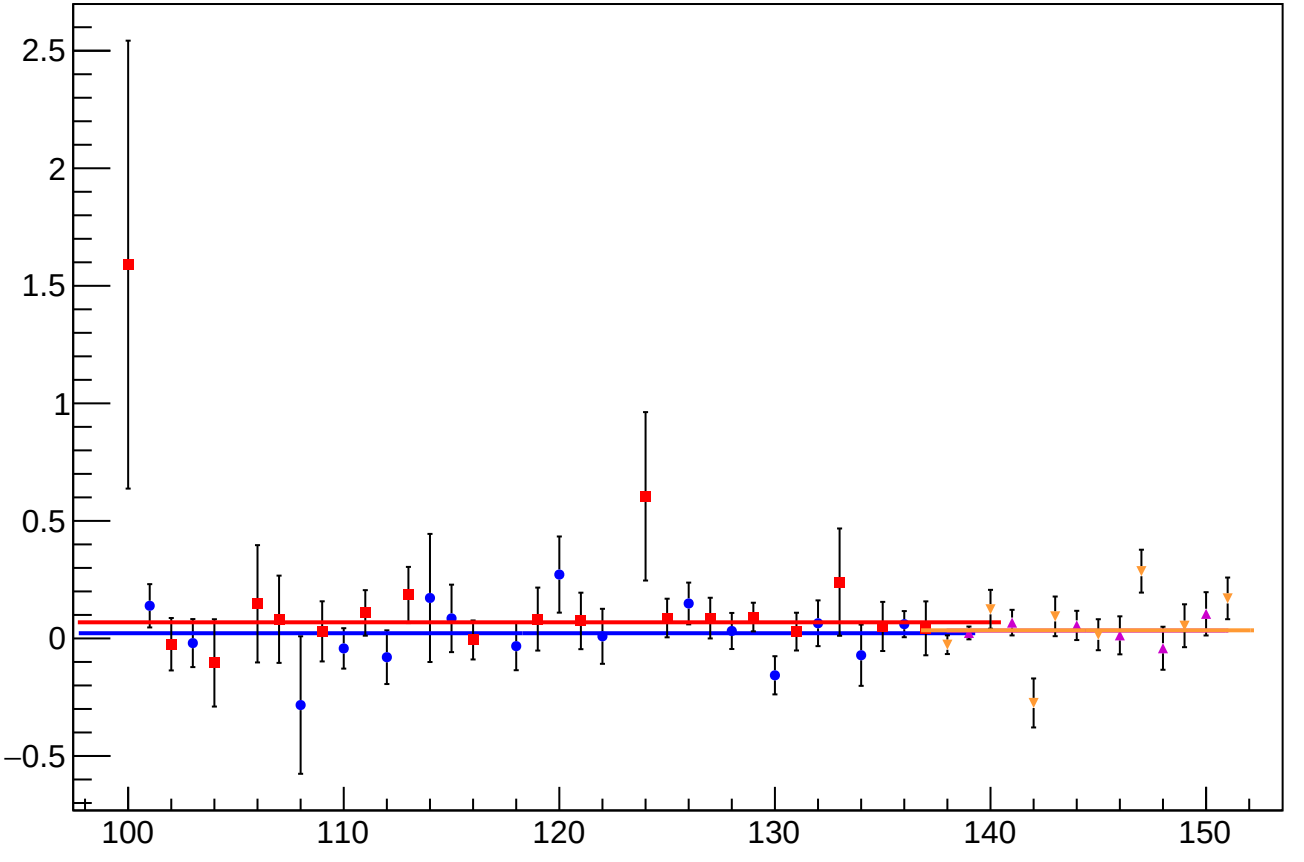
Left In: 0.002+/-0.000 χ^2/NDF:1052212.8/5

+ sign 0.002+/-0.000 χ^2/NDF: 7203299.6/23

All: 0.002+/-0.000 χ^2/NDF: 14302941.2/48

- sign 0.002+/-0.000 χ^2/NDF: 7030435.0/24

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.035+/-0.025 χ^2/NDF:22.9/7

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

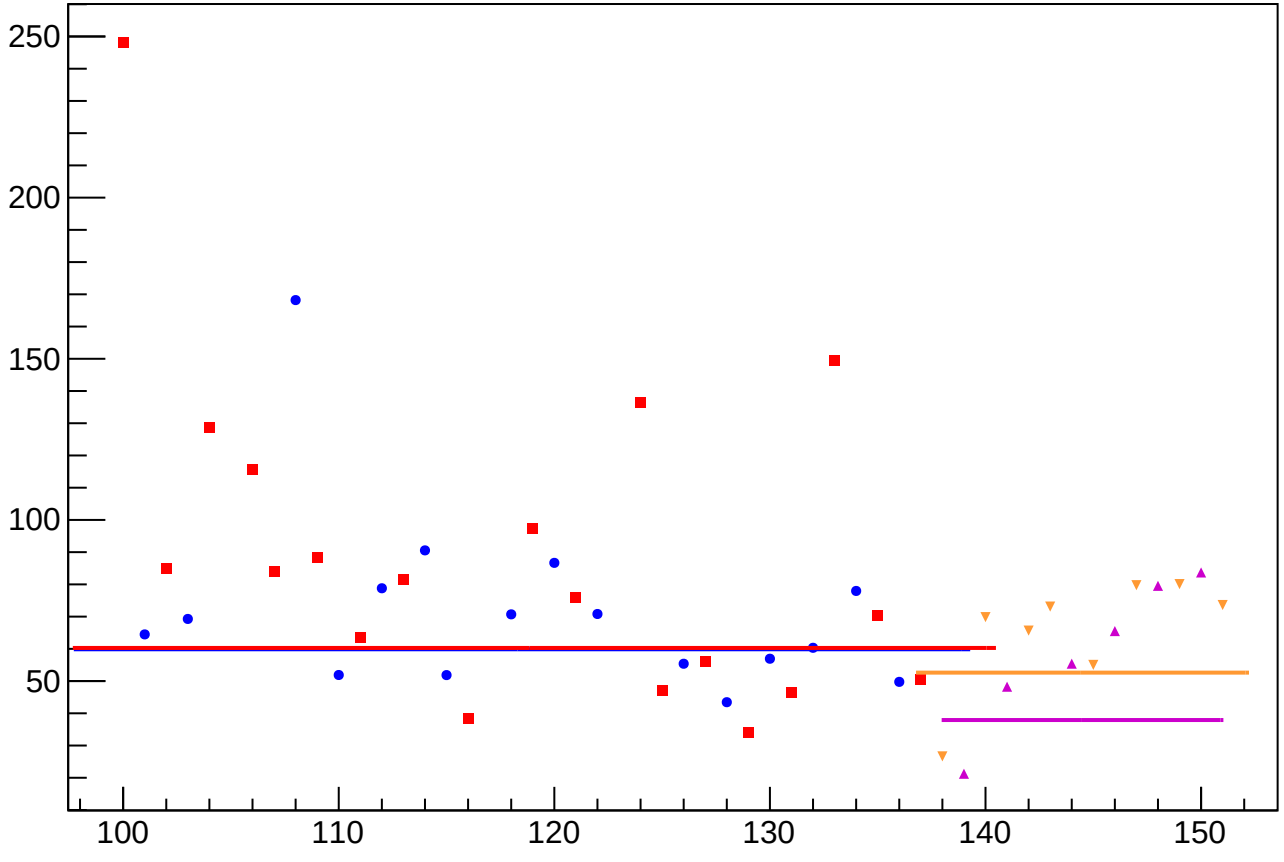
Left In: 0.033+/-0.021 χ^2/NDF:2.0/5

+ sign 0.028+/-0.018 χ^2/NDF: 38.5/23

All: 0.039+/-0.012 χ^2/NDF: 51.9/48

- sign 0.047+/-0.016 χ^2/NDF: 12.8/24

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 52.622+/-0.018 χ^2/NDF:1560554.7/7

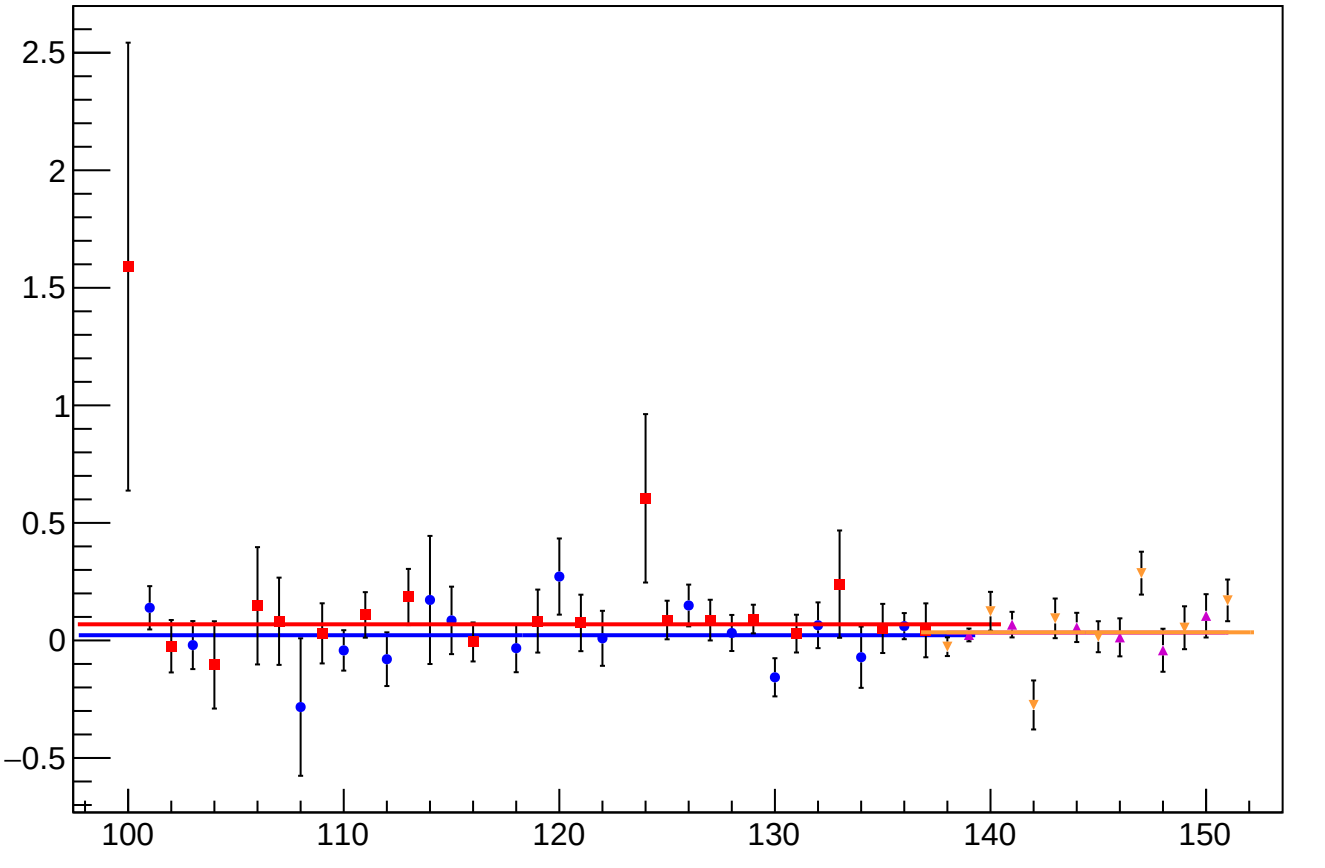
Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 37.912+/-0.015 χ^2/NDF:2125552.0/5

+ sign 56.285+/-0.012 χ^2/NDF: 2344857.4/23

All: 51.143+/-0.008 χ^2/NDF: 7701289.7/48

- sign 46.867+/-0.011 χ^2/NDF: 5041715.2/24



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.035+/-0.025 χ^2/NDF:22.9/7

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

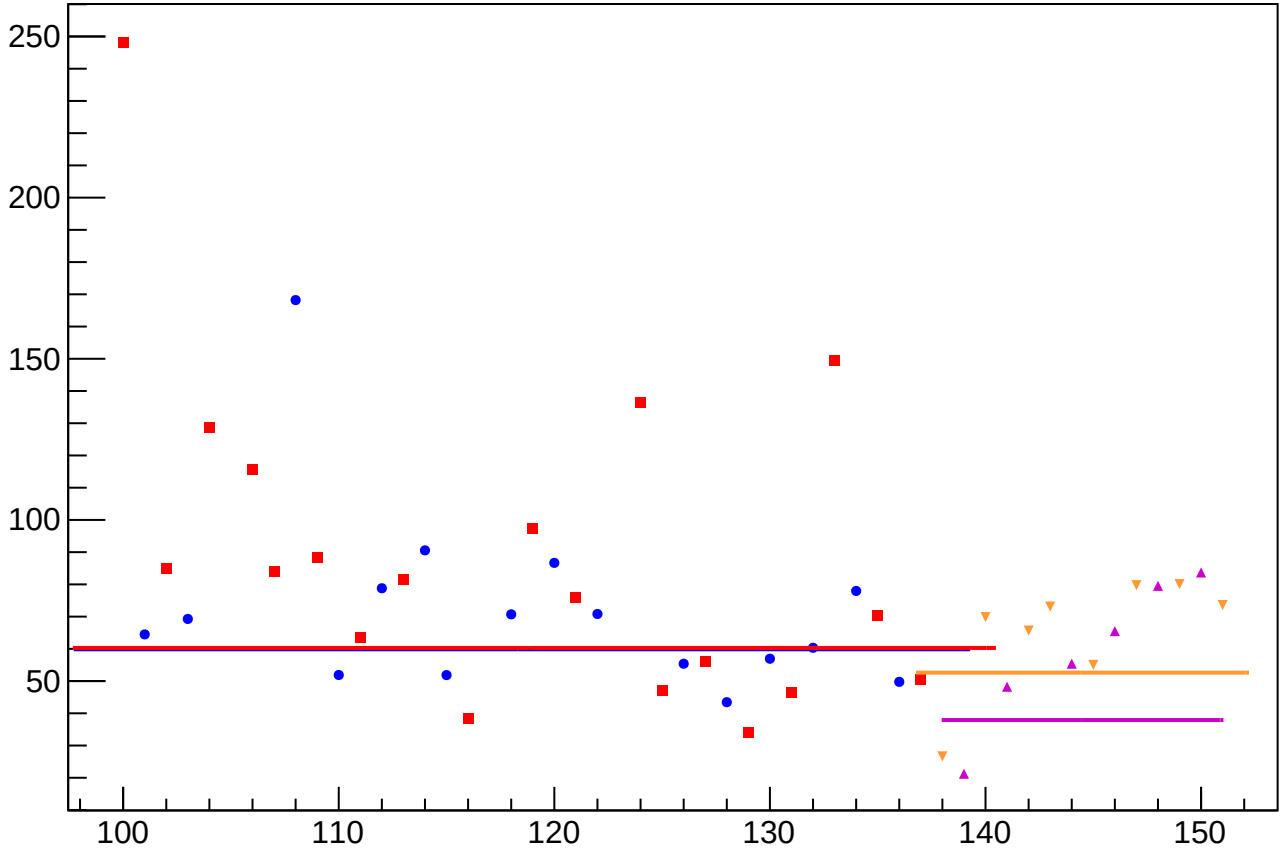
Left In: 0.033+/-0.021 χ^2/NDF:2.0/5

+ sign 0.028+/-0.018 χ^2/NDF: 38.5/23

All: 0.039+/-0.012 χ^2/NDF: 51.9/48

- sign 0.047+/-0.016 χ^2/NDF: 12.8/24

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 52.622+/-0.018 χ^2/NDF:1560554.7/7

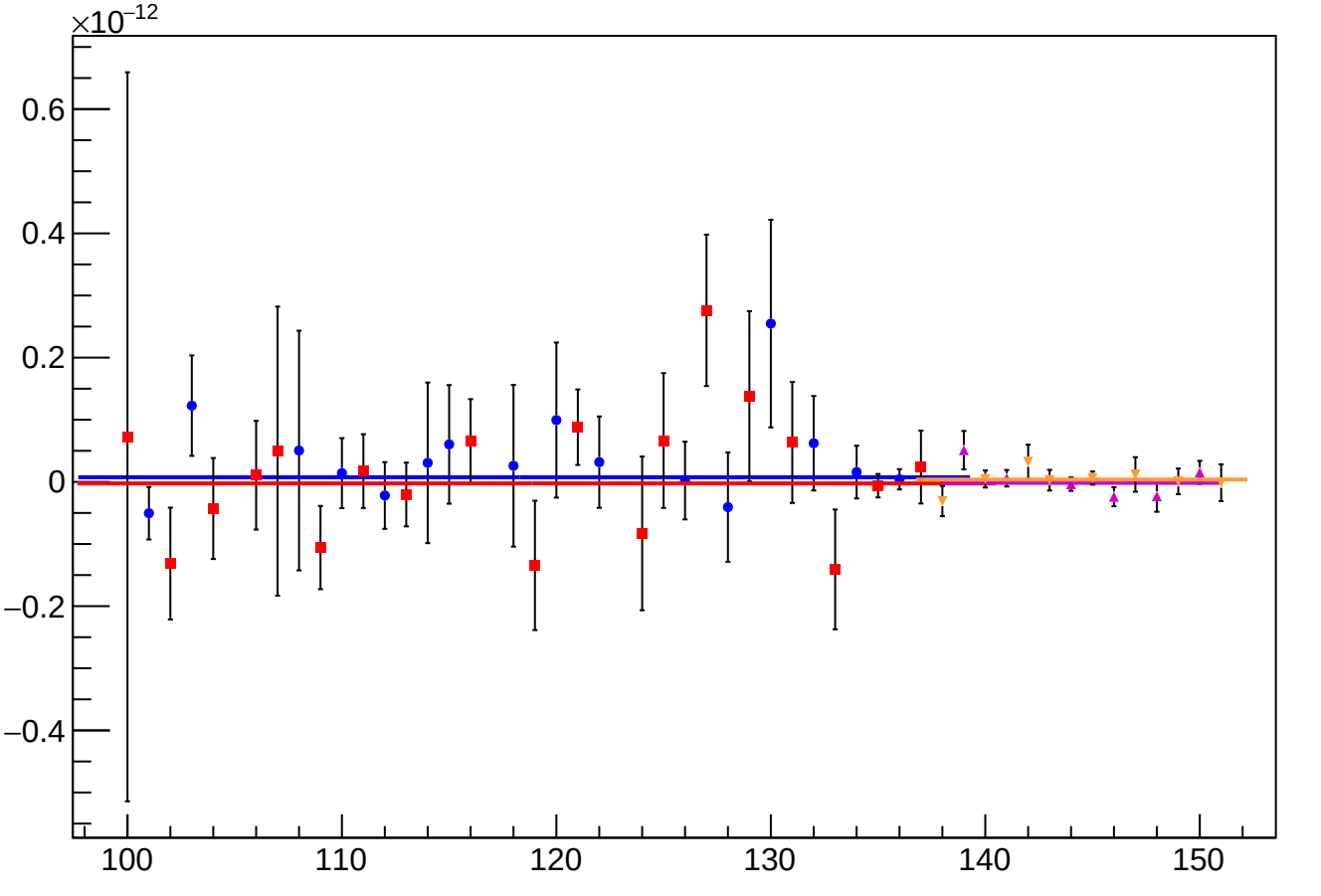
Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 37.912+/-0.015 χ^2/NDF:2125552.0/5

+ sign 56.285+/-0.012 χ^2/NDF: 2344857.4/23

All: 51.143+/-0.008 χ^2/NDF: 7701289.7/48

- sign 46.867+/-0.011 χ^2/NDF: 5041715.2/24



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.3/7

Right Out: -0.000+/-0.000 χ^2/NDF: 19.7/18

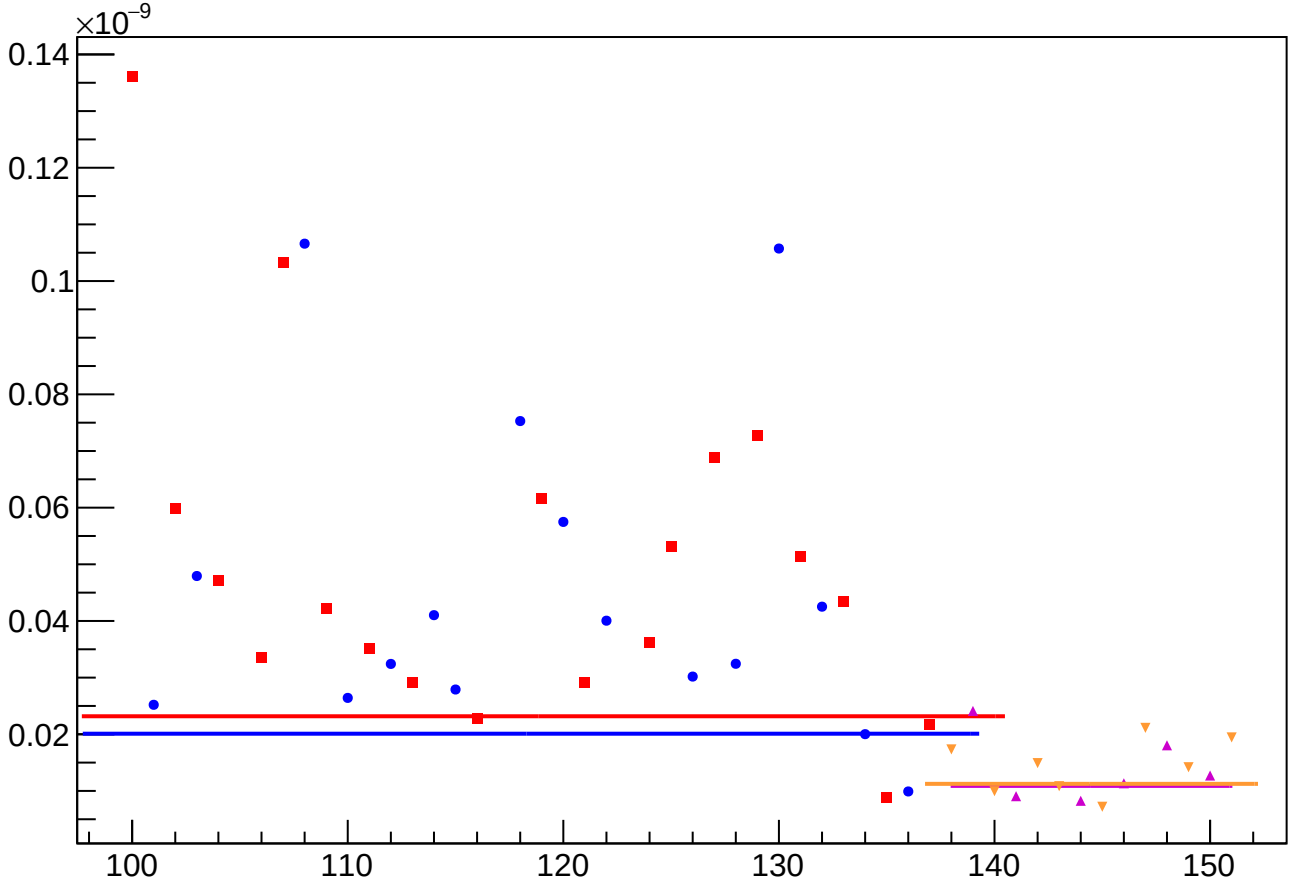
Left In: -0.000+/-0.000 χ^2/NDF:7.0/5

+ sign 0.000+/-0.000 χ^2/NDF: 11.8/23

All: 0.000+/-0.000 χ^2/NDF: 39.0/48

- sign -0.000+/-0.000 χ^2/NDF: 26.6/24

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:917584.7/7

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

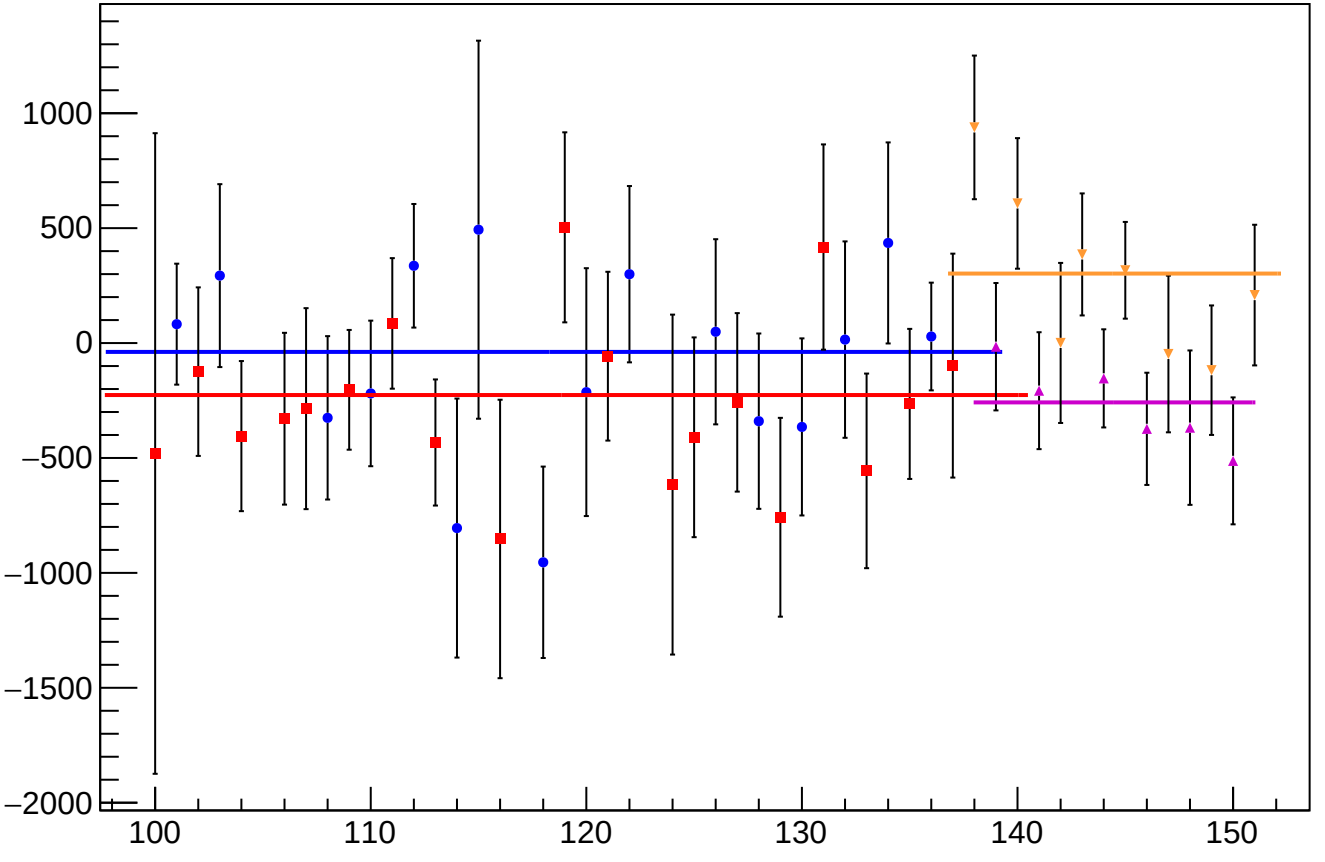
Left In: 0.000+/-0.000 χ^2/NDF:708480.8/5

+ sign 0.000+/-0.000 χ^2/NDF: 4878765.1/23

All: 0.000+/-0.000 χ^2/NDF: 10462985.6/48

- sign 0.000+/-0.000 χ^2/NDF: 5584069.2/24

reg_asym_sam4_mean vs Slug



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 302.377+/-100.240 χ^2/NDF:9.5/7

Right Out: -226.168+/-87.908 χ^2/NDF: 11.4/18

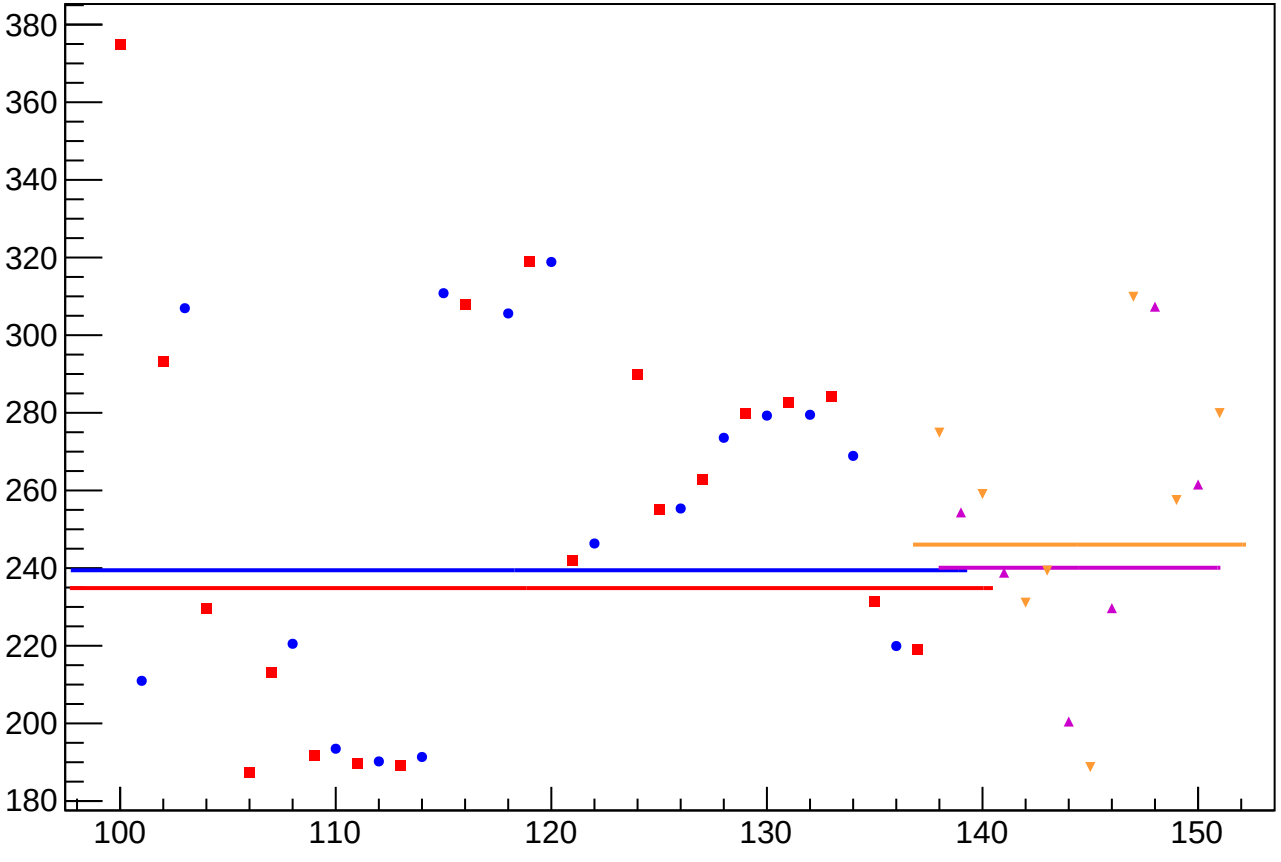
Left In: -258.229+/-105.903 χ^2/NDF:2.2/5

+ sign 114.799+/-67.222 χ^2/NDF: 30.4/23

All: -61.124+/-47.680 χ^2/NDF: 57.8/48

- sign -239.247+/-67.641 χ^2/NDF: 13.7/24

reg_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 246.054+/-0.071 χ^2/NDF:272391.7/7

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

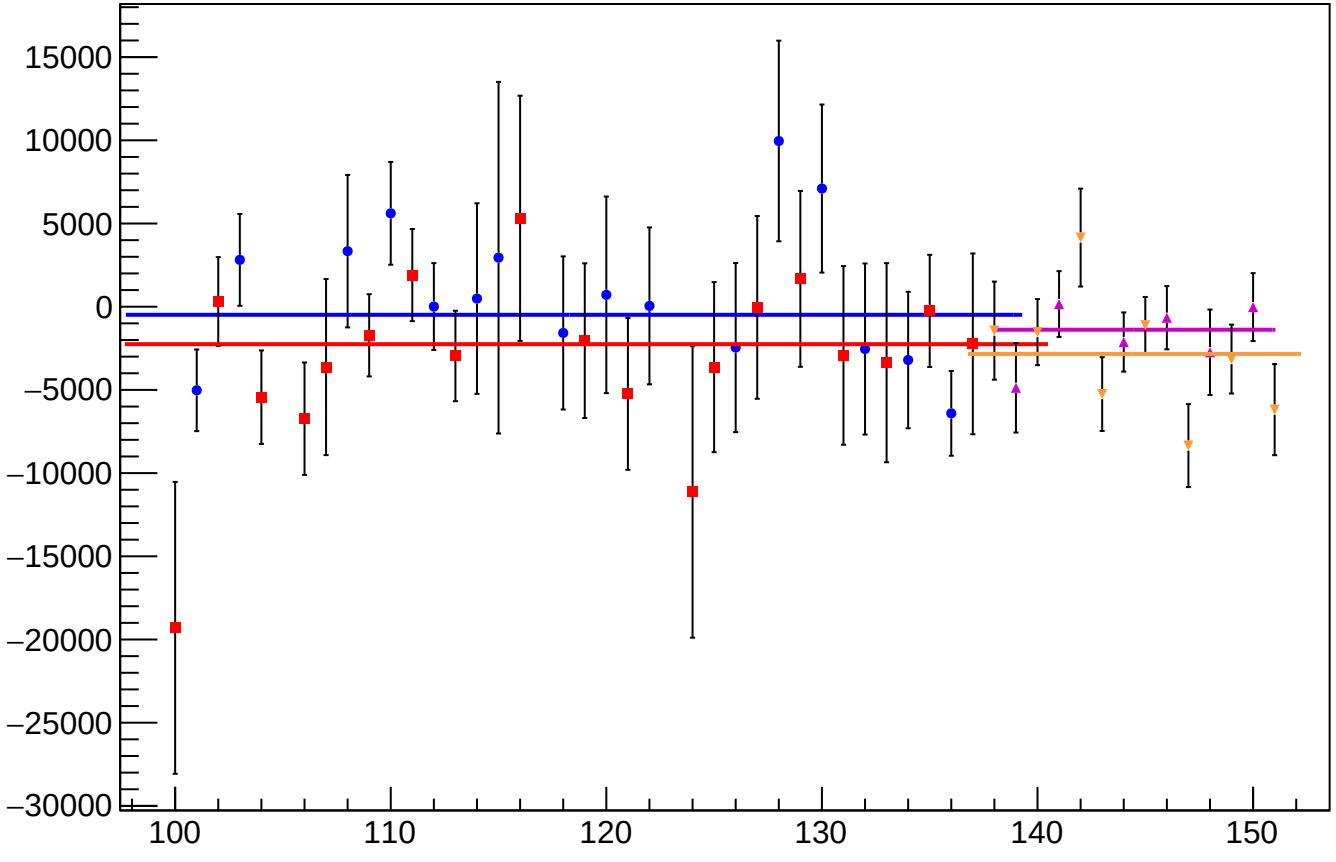
Left In: 240.095+/-0.075 χ^2/NDF:170038.2/5

+ sign 242.420+/-0.048 χ^2/NDF: 678126.2/23

All: 239.723+/-0.034 χ^2/NDF: 1339256.9/48

- sign 236.993+/-0.048 χ^2/NDF: 654653.4/24

asym_sam4_reg_correction_mean vs Slug



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -2837.256+/-800.115 χ^2/NDF:14.9/7

Right Out: -2251.898+/-894.171 χ^2/NDF: 13.9/18

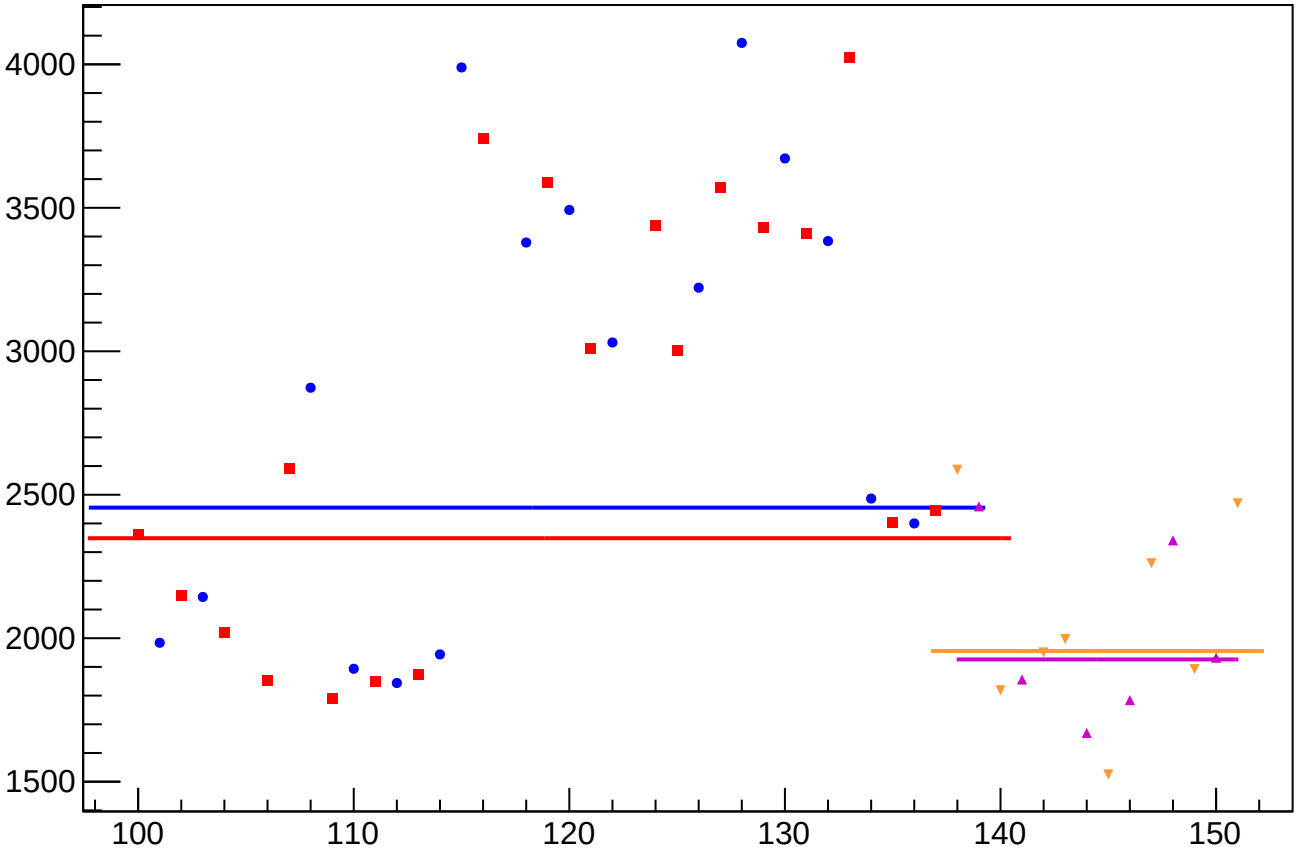
Left In: -1382.529+/-851.604 χ^2/NDF:3.3/5

+ sign -1858.443+/-611.300 χ^2/NDF: 39.7/23

All: -1827.508+/-434.142 χ^2/NDF: 57.4/48

- sign -1796.028+/-616.674 χ^2/NDF: 17.7/24

asym_sam4_reg_correction_rms vs Slug



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 1955.533+/-0.566 χ^2/NDF:332848.5/7

Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

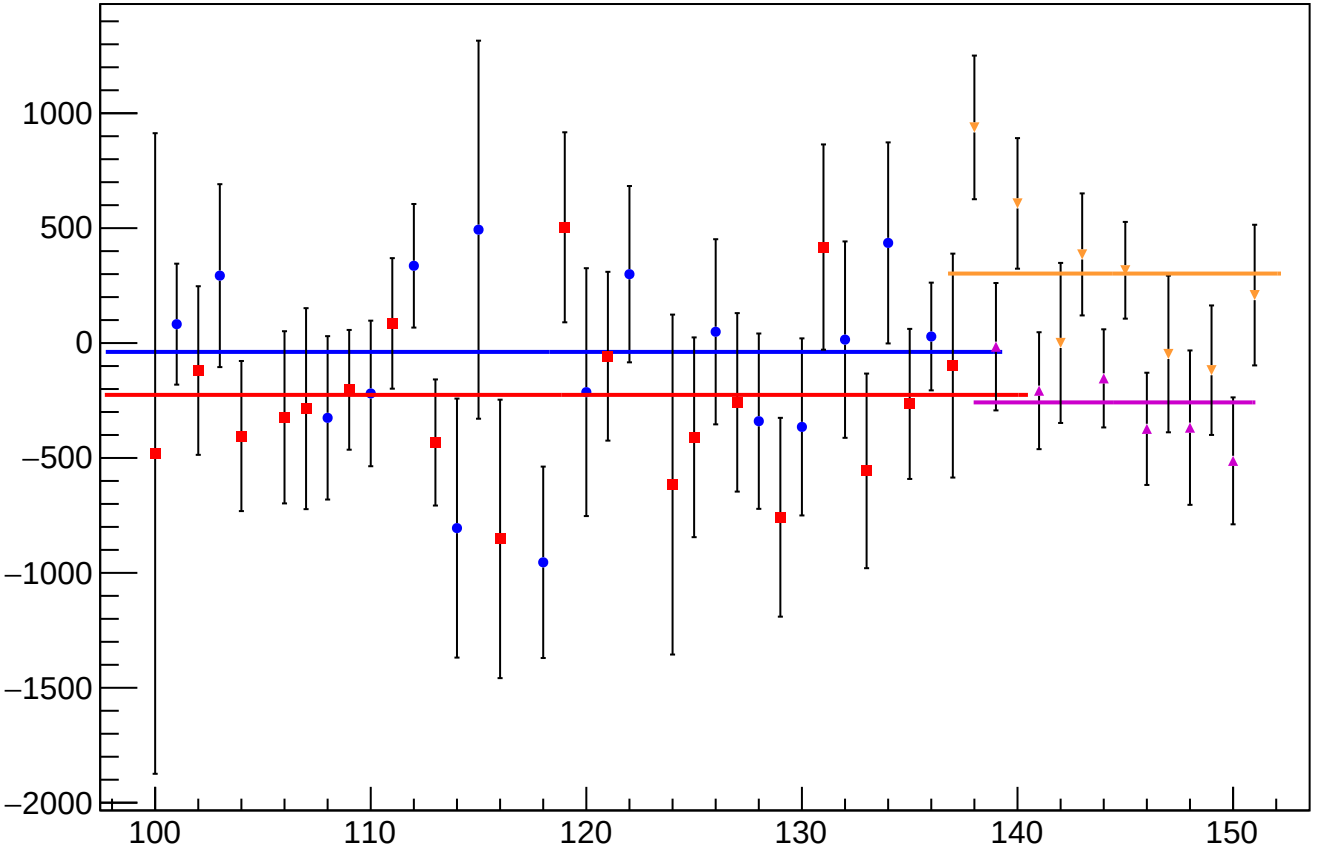
Left In: 1926.091+/-0.602 χ^2/NDF:186021.5/5

+ sign 2163.495+/-0.432 χ^2/NDF: 1551805.6/23

All: 2145.395+/-0.307 χ^2/NDF: 3027767.3/48

- sign 2126.976+/-0.436 χ^2/NDF: 1472424.2/24

cor_asym_sam4_mean vs Slug



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 302.400+/-100.240 χ^2/NDF:9.5/7

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

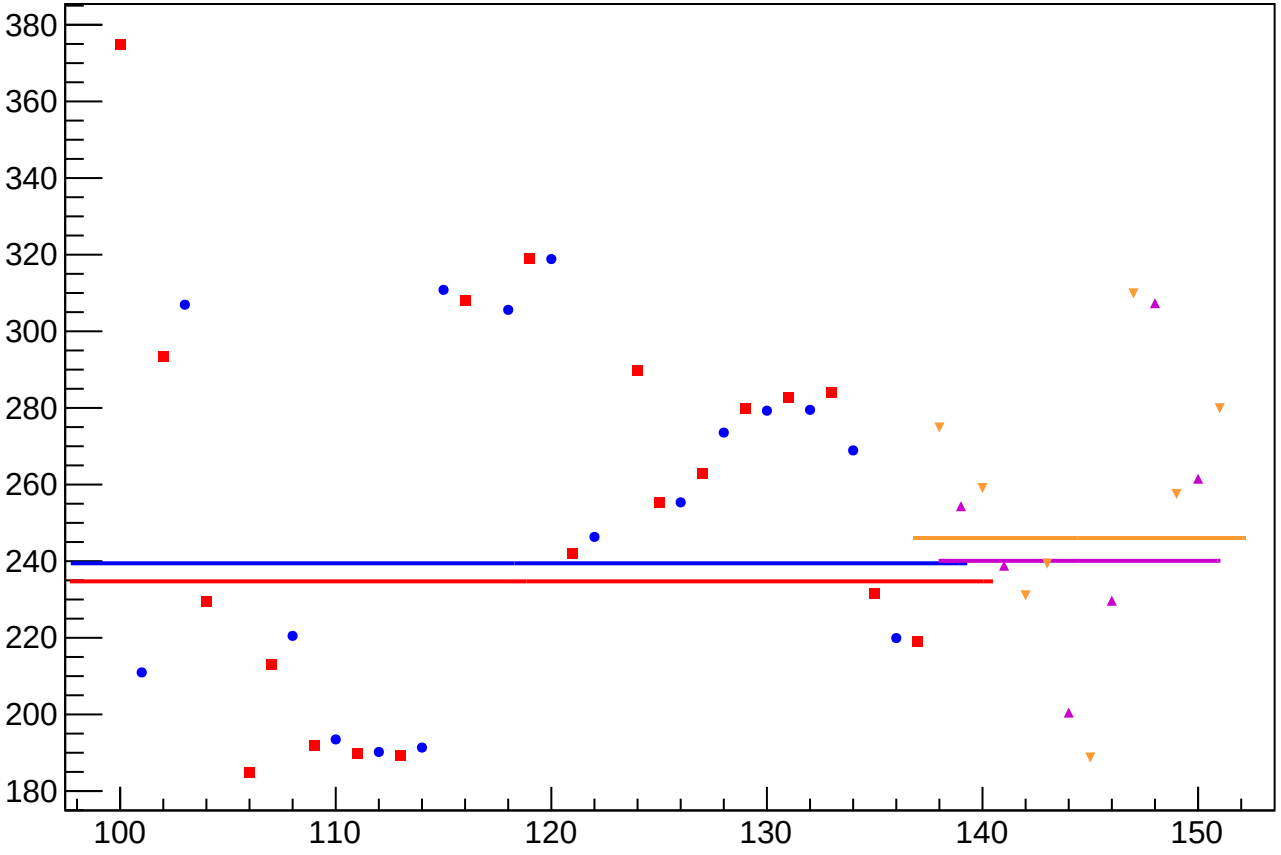
Left In: -258.240+/-105.903 χ^2/NDF:2.2/5

+ sign 114.798+/-67.222 χ^2/NDF: 30.4/23

All: -60.919+/-47.683 χ^2/NDF: 57.8/48

- sign -238.867+/-67.647 χ^2/NDF: 13.7/24

cor_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 246.054+/-0.071 χ^2/NDF:272391.7/7

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

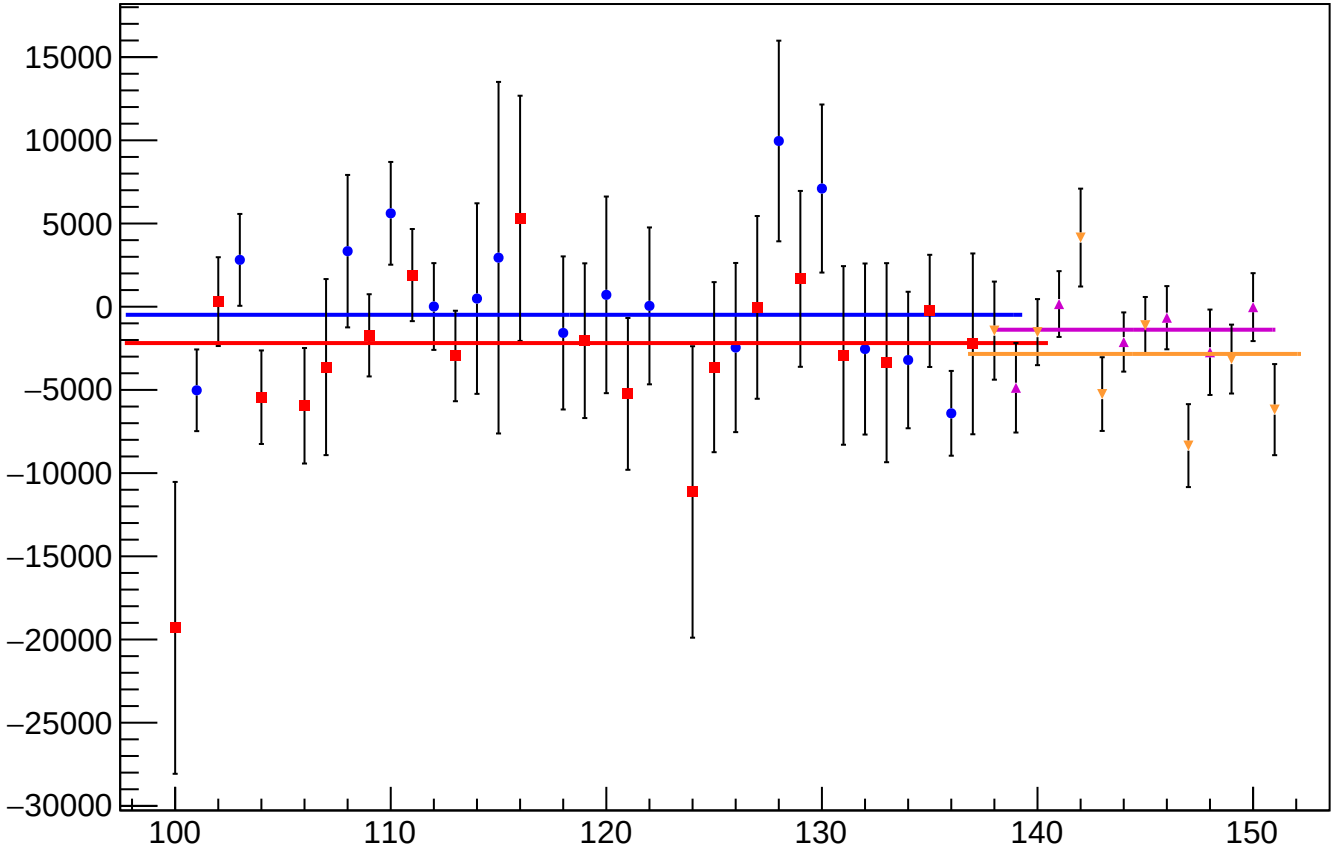
Left In: 240.095+/-0.075 χ^2/NDF:170038.2/5

+ sign 242.420+/-0.048 χ^2/NDF: 678128.5/23

All: 239.688+/-0.034 χ^2/NDF: 1343089.8/48

- sign 236.921+/-0.048 χ^2/NDF: 658312.4/24

asym_sam4_cor_correction_mean vs Slug



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2837.234+/-800.115 χ^2/NDF:14.9/7

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

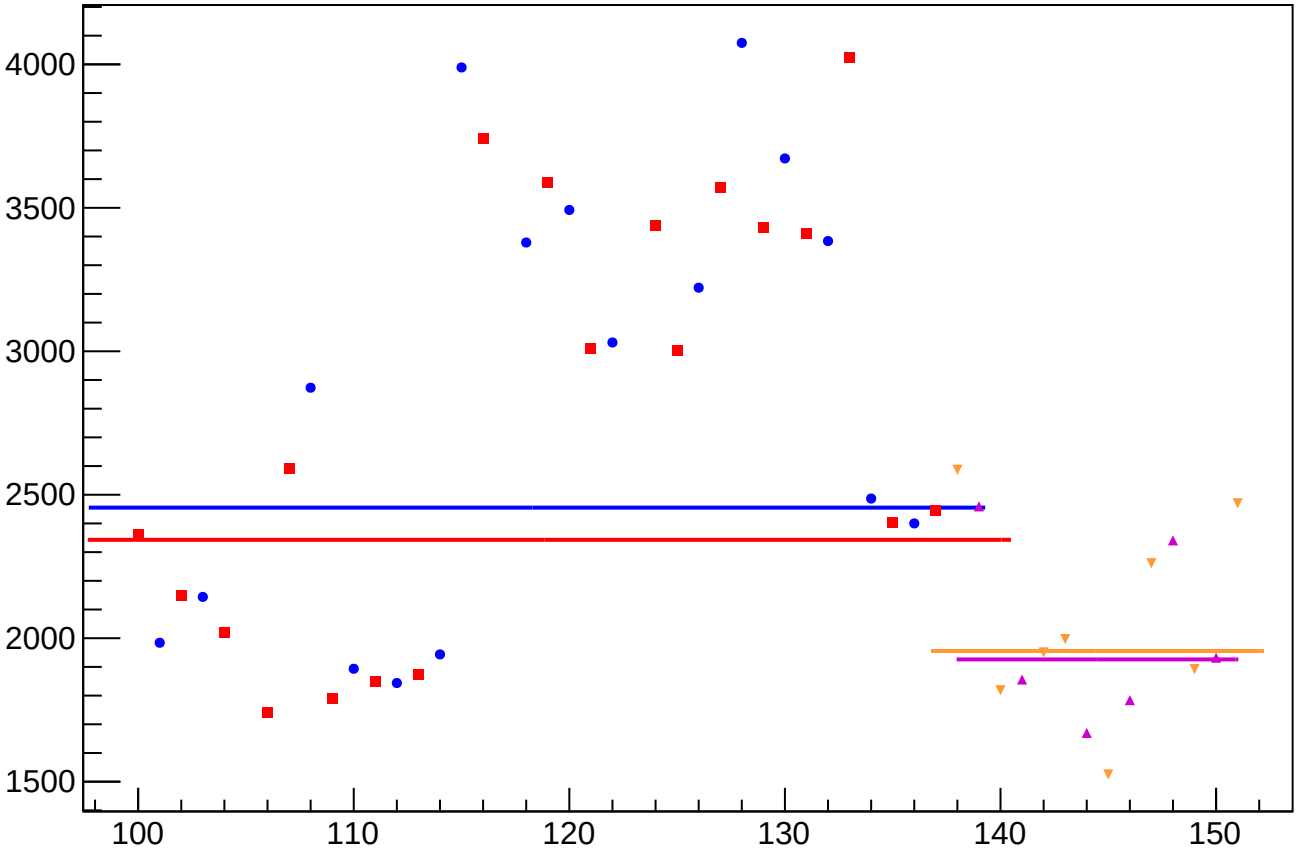
Left In: -1382.554+/-851.604 χ^2/NDF:3.3/5

+ sign -1858.511+/-611.302 χ^2/NDF: 39.7/23

All: -1811.408+/-434.336 χ^2/NDF: 56.7/48

- sign -1763.387+/-617.229 χ^2/NDF: 17.0/24

asym_sam4_cor_correction_rms vs Slug



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 1955.533+/-0.566 χ^2/NDF:332851.1/7

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

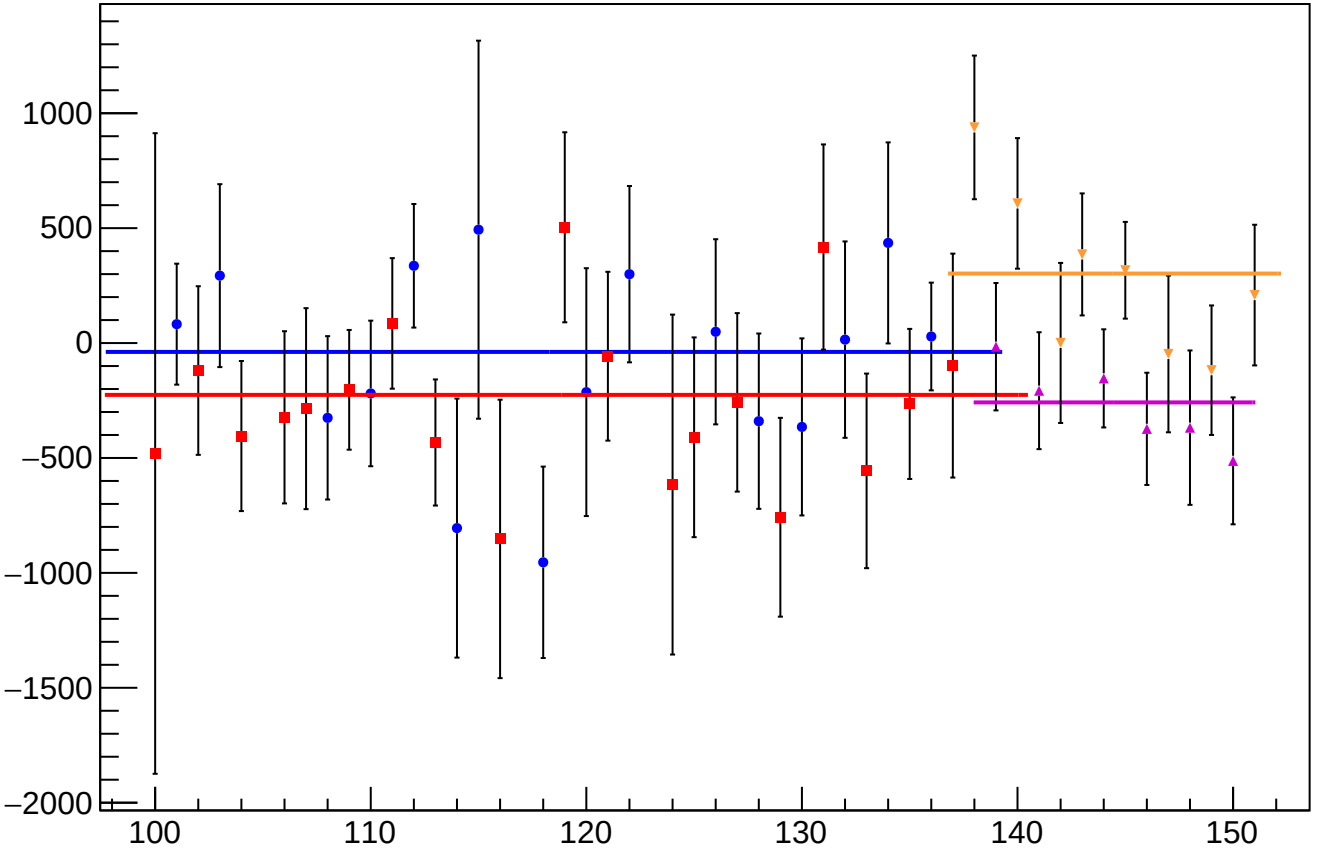
Left In: 1926.092+/-0.602 χ^2/NDF:186019.7/5

+ sign 2163.503+/-0.432 χ^2/NDF: 1551806.0/23

All: 2143.928+/-0.307 χ^2/NDF: 3039838.7/48

- sign 2123.972+/-0.436 χ^2/NDF: 1483891.5/24

eigen_cor_asym_sam4_mean vs Slug



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 302.400+/-100.240 χ^2/NDF:9.5/7

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

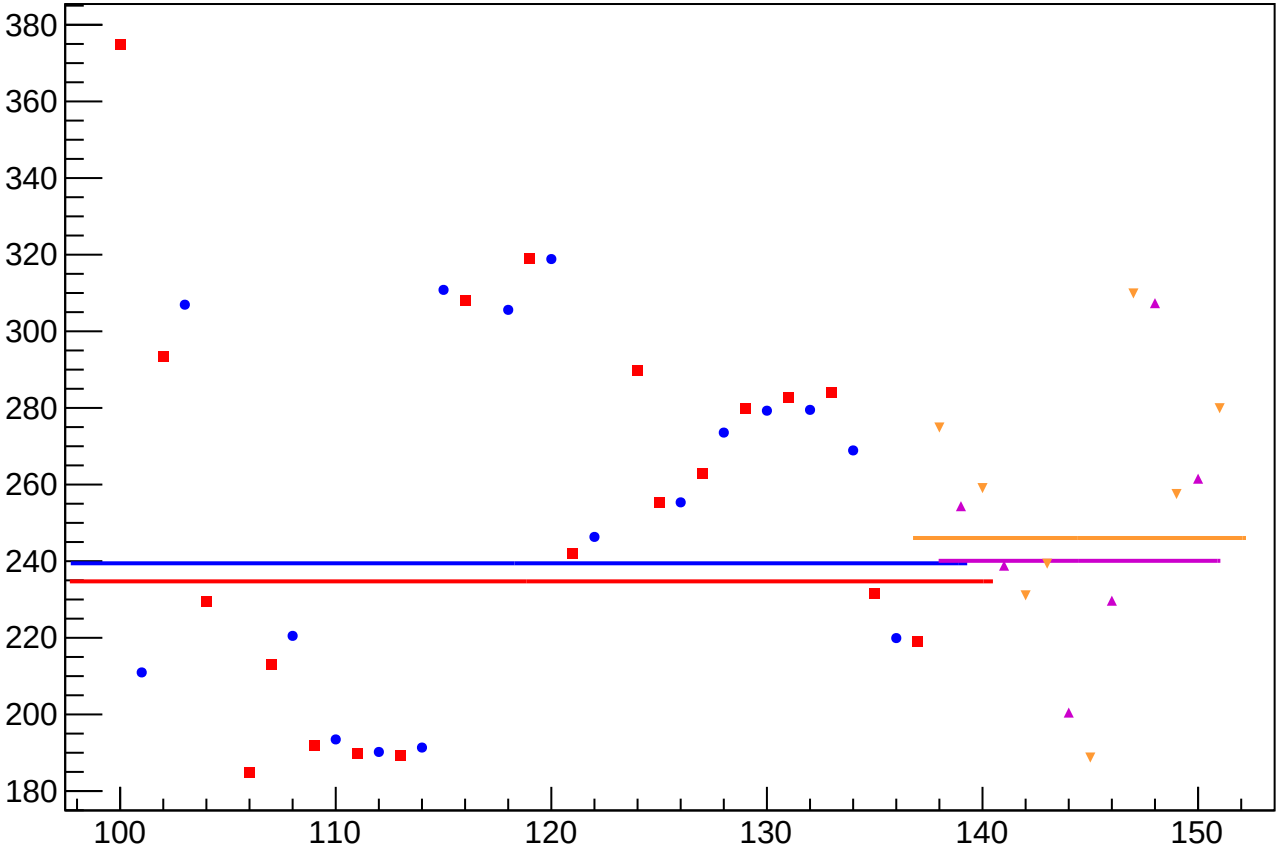
Left In: -258.240+/-105.903 χ^2/NDF:2.2/5

+ sign 114.798+/-67.222 χ^2/NDF: 30.4/23

All: -60.919+/-47.683 χ^2/NDF: 57.8/48

- sign -238.867+/-67.647 χ^2/NDF: 13.7/24

eigen_cor_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 246.054+/-0.071 χ^2/NDF:272391.7/7

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

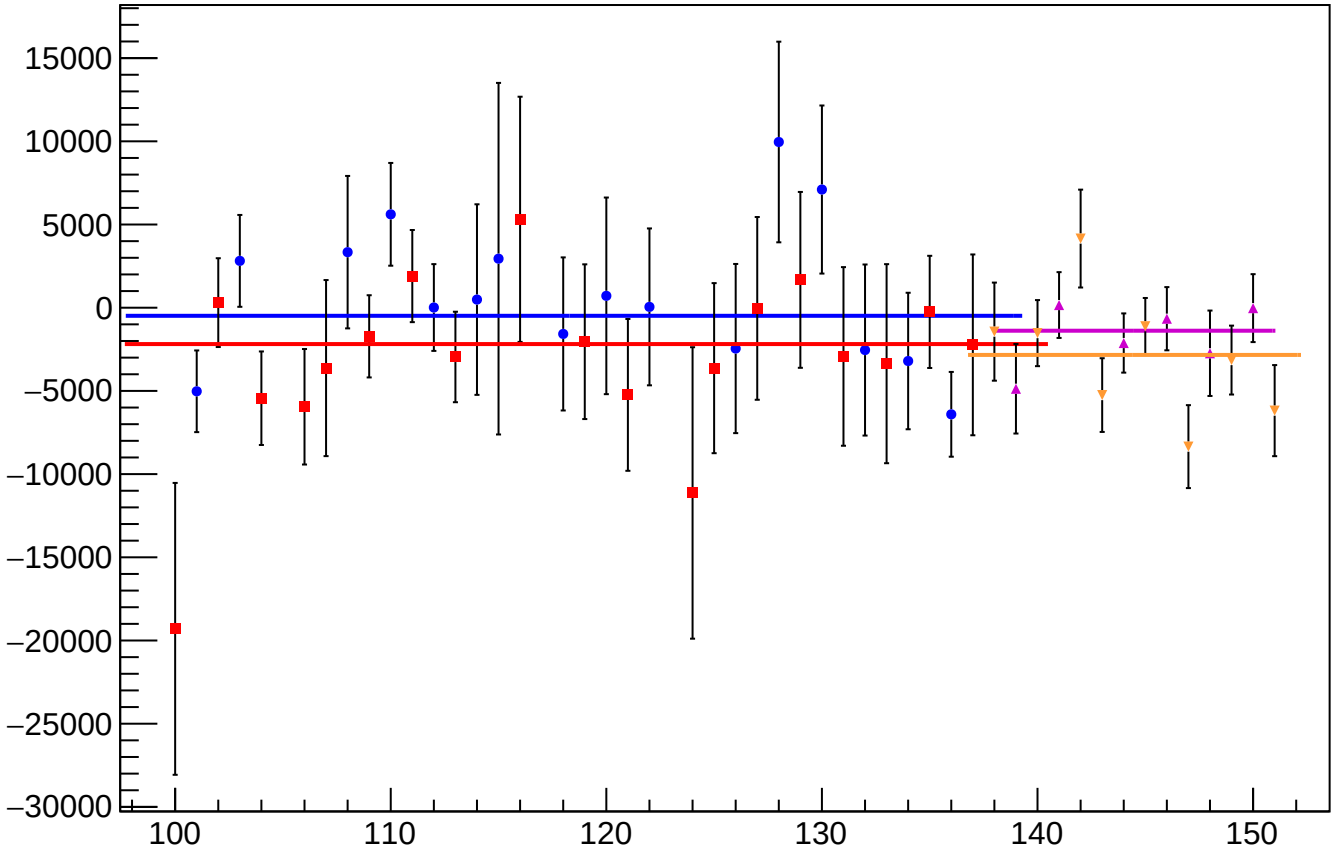
Left In: 240.095+/-0.075 χ^2/NDF:170038.2/5

+ sign 242.420+/-0.048 χ^2/NDF: 678128.5/23

All: 239.688+/-0.034 χ^2/NDF: 1343089.8/48

- sign 236.921+/-0.048 χ^2/NDF: 658312.4/24

asym_sam4_eigen_cor_correction_mean vs Slug



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2837.234+/-800.115 χ^2/NDF:14.9/7

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

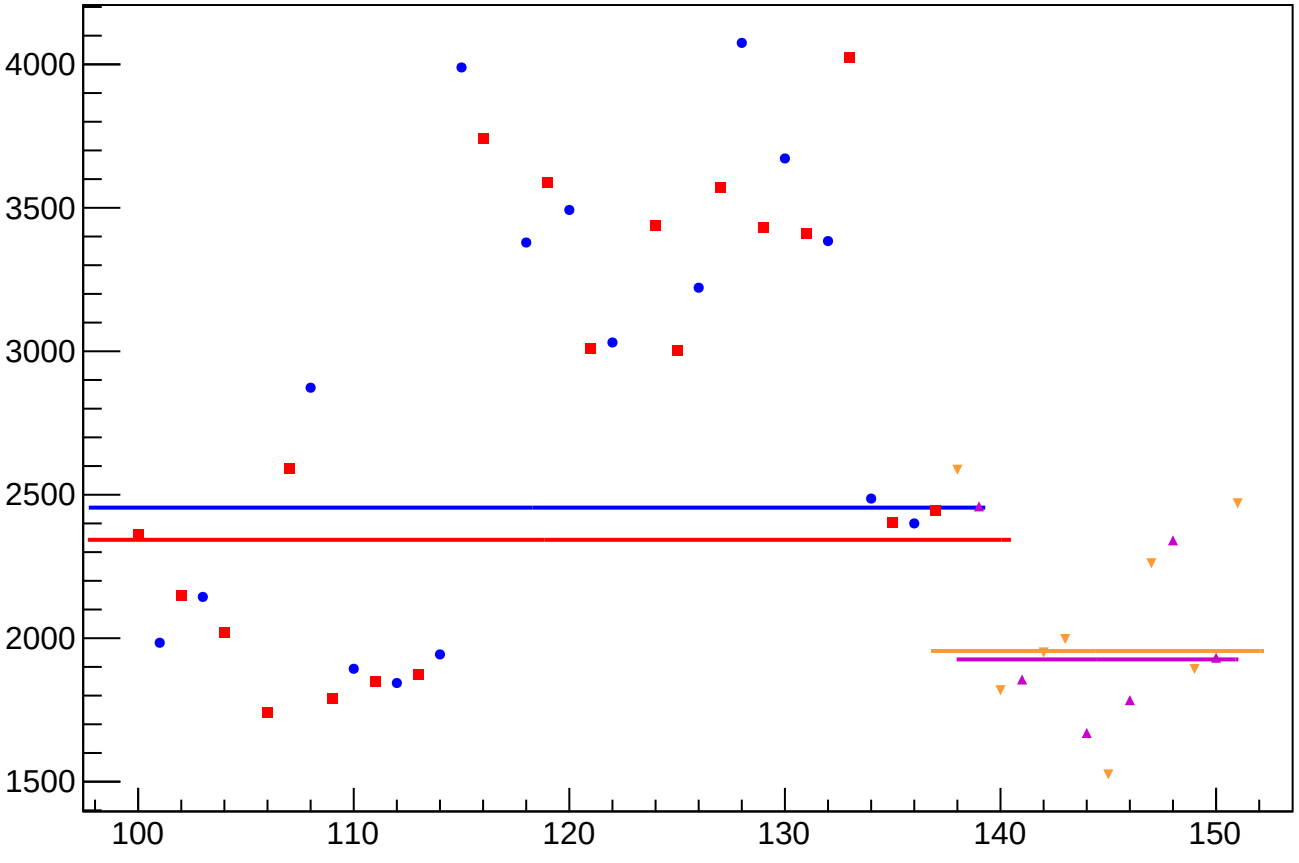
Left In: -1382.554+/-851.604 χ^2/NDF:3.3/5

+ sign -1858.511+/-611.302 χ^2/NDF: 39.7/23

All: -1811.408+/-434.336 χ^2/NDF: 56.7/48

- sign -1763.387+/-617.229 χ^2/NDF: 17.0/24

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 1955.533+/-0.566 χ^2/NDF:332851.1/7

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

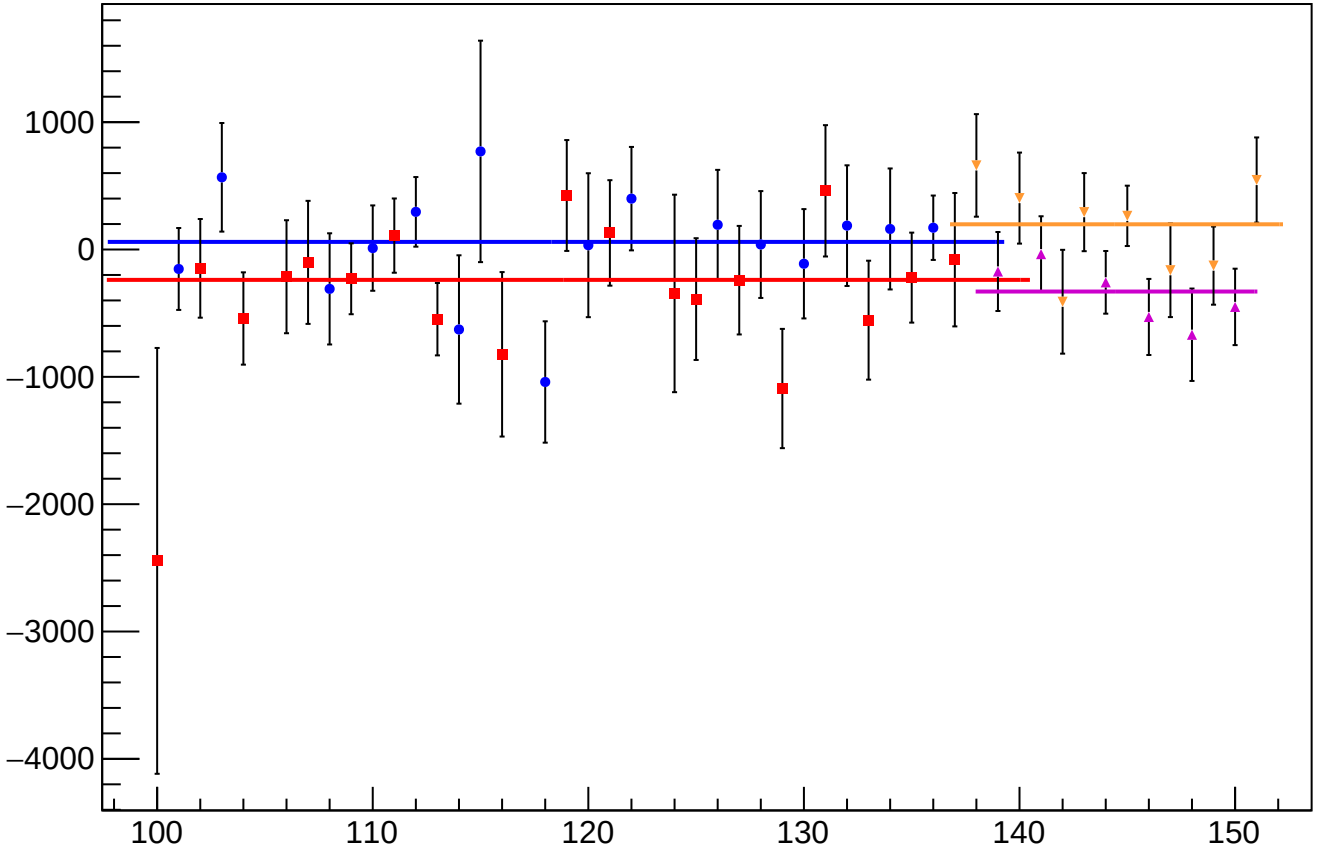
Left In: 1926.092+/-0.602 χ^2/NDF:186019.7/5

+ sign 2163.503+/-0.432 χ^2/NDF: 1551806.0/23

All: 2143.928+/-0.307 χ^2/NDF: 3039838.7/48

- sign 2123.972+/-0.436 χ^2/NDF: 1483891.5/24

dit_asym_sam4_mean vs Slug



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 197.990+/-115.170 χ^2/NDF:7.2/7

Right Out: -238.516+/-95.062 χ^2/NDF: 14.9/18

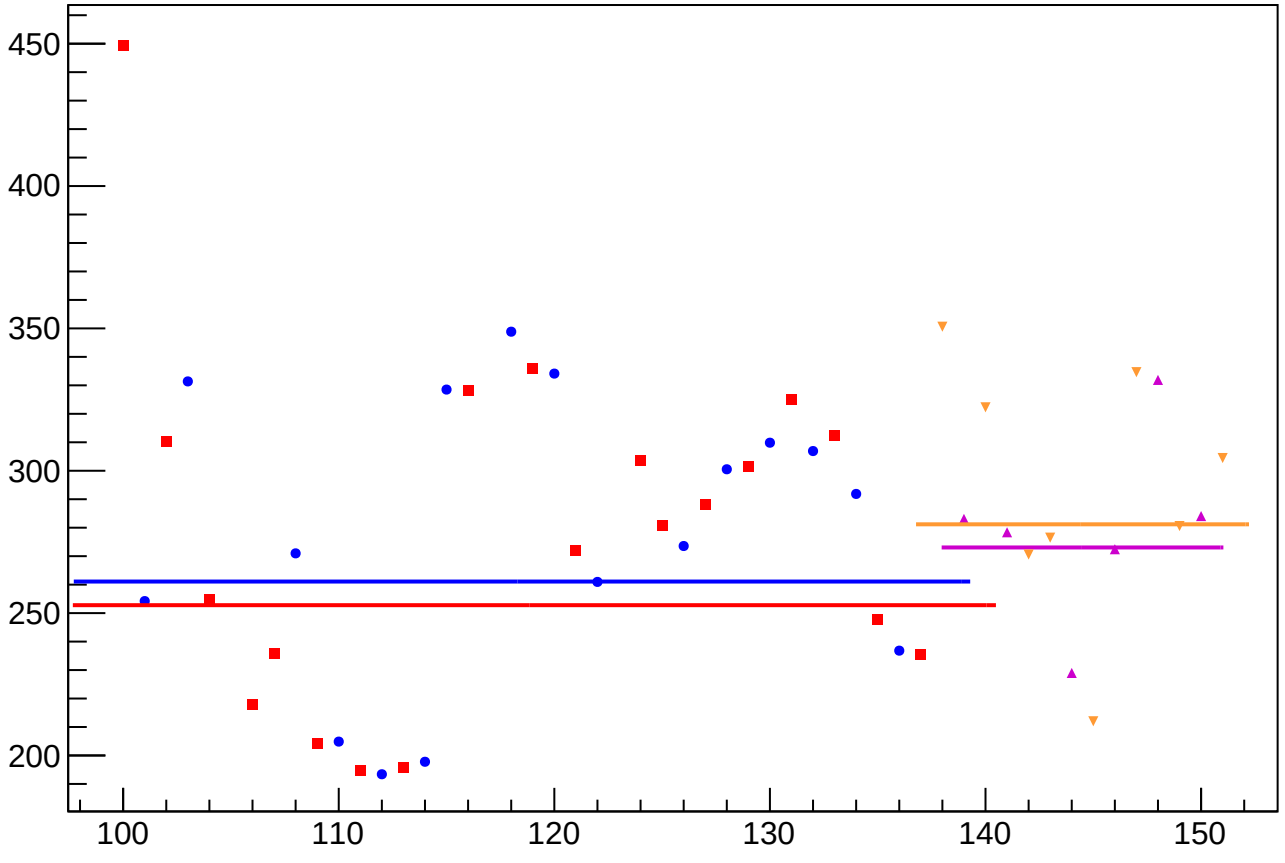
Left In: -330.090+/-121.152 χ^2/NDF:2.8/5

+ sign 118.636+/-75.175 χ^2/NDF: 20.0/23

All: -78.401+/-53.019 χ^2/NDF: 51.8/48

- sign -273.412+/-74.788 χ^2/NDF: 18.1/24

dit_asym_sam4_rms vs Slug



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 281.190+/-0.081 χ^2/NDF:309999.6/7

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

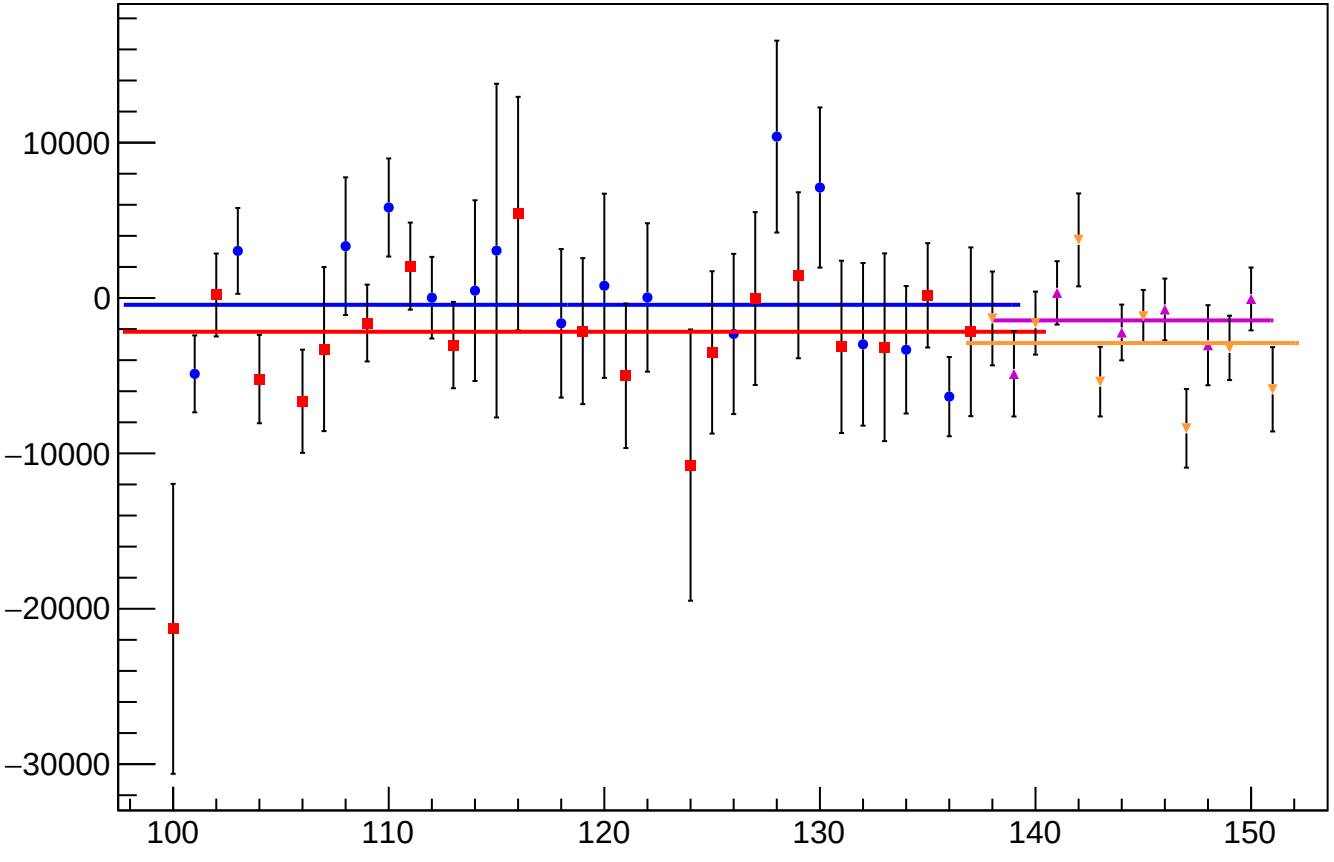
Left In: 273.058+/-0.086 χ^2/NDF:122208.7/5

+ sign 269.653+/-0.053 χ^2/NDF: 807628.2/23

All: 265.059+/-0.037 χ^2/NDF: 1516644.8/48

- sign 260.511+/-0.053 χ^2/NDF: 694152.7/24

asym_sam4_dit_correction_mean vs Slug



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -2898.386+/-806.702 χ^2/NDF:13.8/7

Right Out: -2172.091+/-901.102 χ^2/NDF: 14.0/18

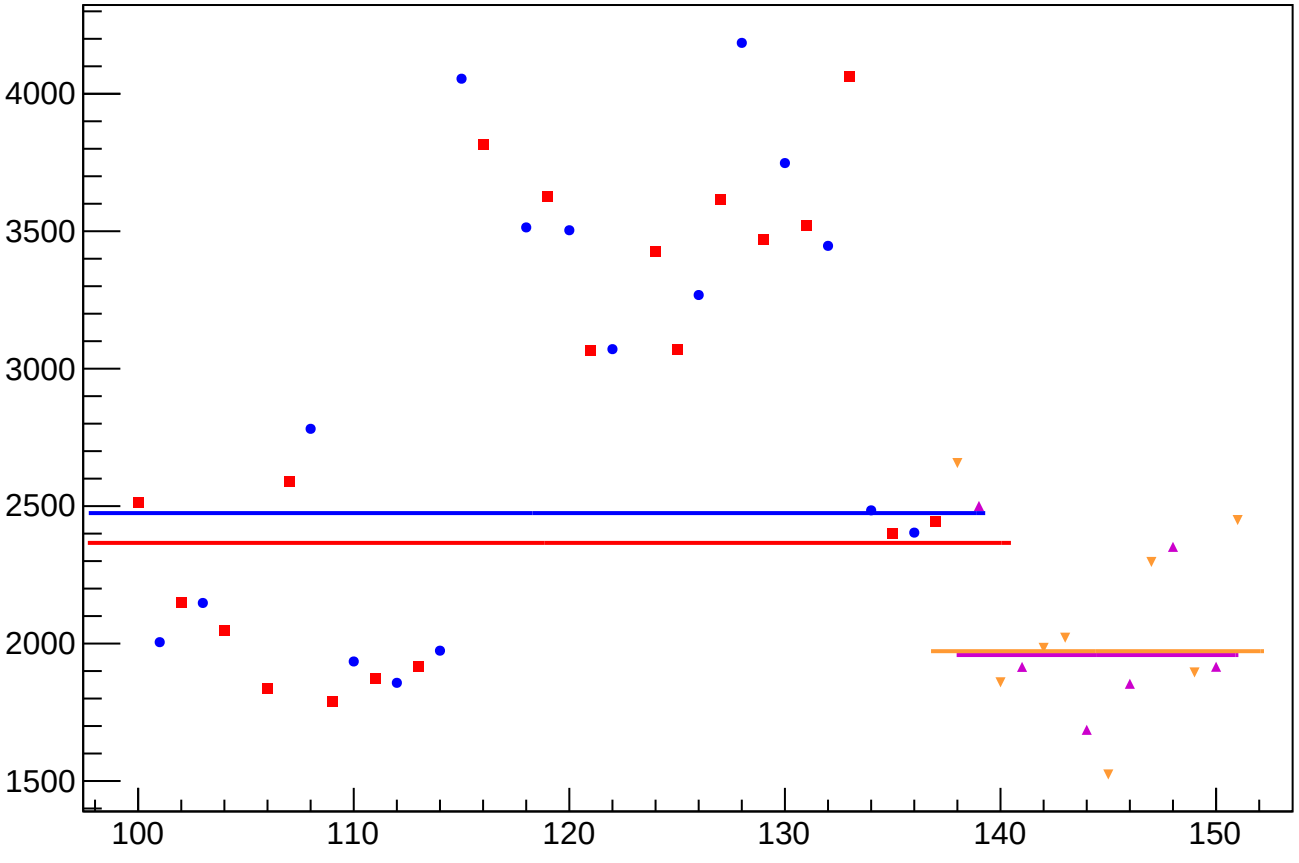
Left In: -1440.624+/-866.303 χ^2/NDF:3.5/5

+ sign -1873.487+/-616.298 χ^2/NDF: 38.9/23

All: -1833.264+/-438.663 χ^2/NDF: 56.7/48

- sign -1791.961+/-624.509 χ^2/NDF: 17.8/24

asym_sam4_dit_correction_rms vs Slug



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 1972.260+/-0.570 χ^2/NDF:347487.3/7

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

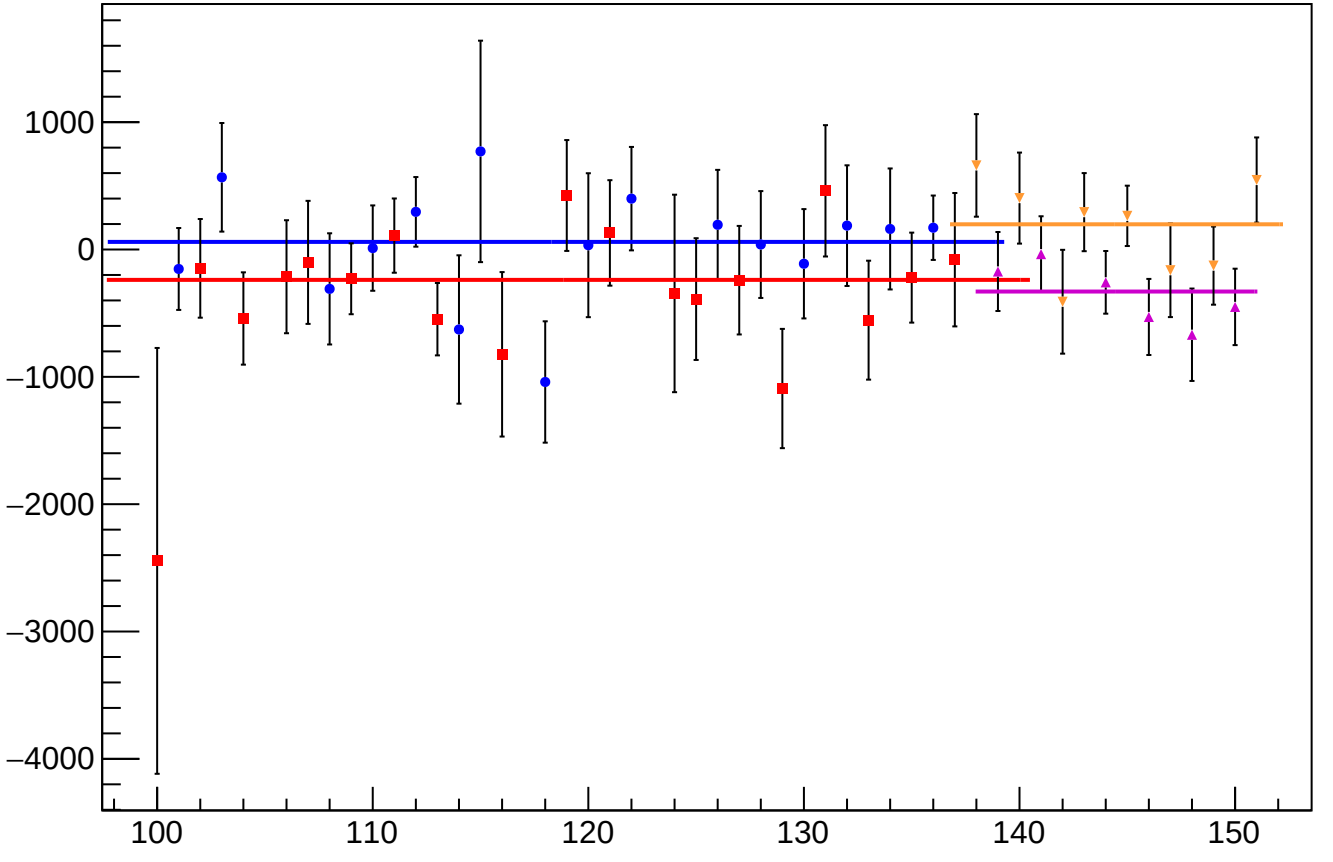
Left In: 1958.232+/-0.613 χ^2/NDF:178418.4/5

+ sign 2181.416+/-0.436 χ^2/NDF: 1586654.4/23

All: 2167.987+/-0.310 χ^2/NDF: 3057240.4/48

- sign 2154.197+/-0.442 χ^2/NDF: 1468661.1/24

eigen_dit_asym_sam4_mean vs Slug



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 197.990+/-115.170 χ^2/NDF:7.2/7

Right Out: -238.515+/-95.062 χ^2/NDF: 14.9/18

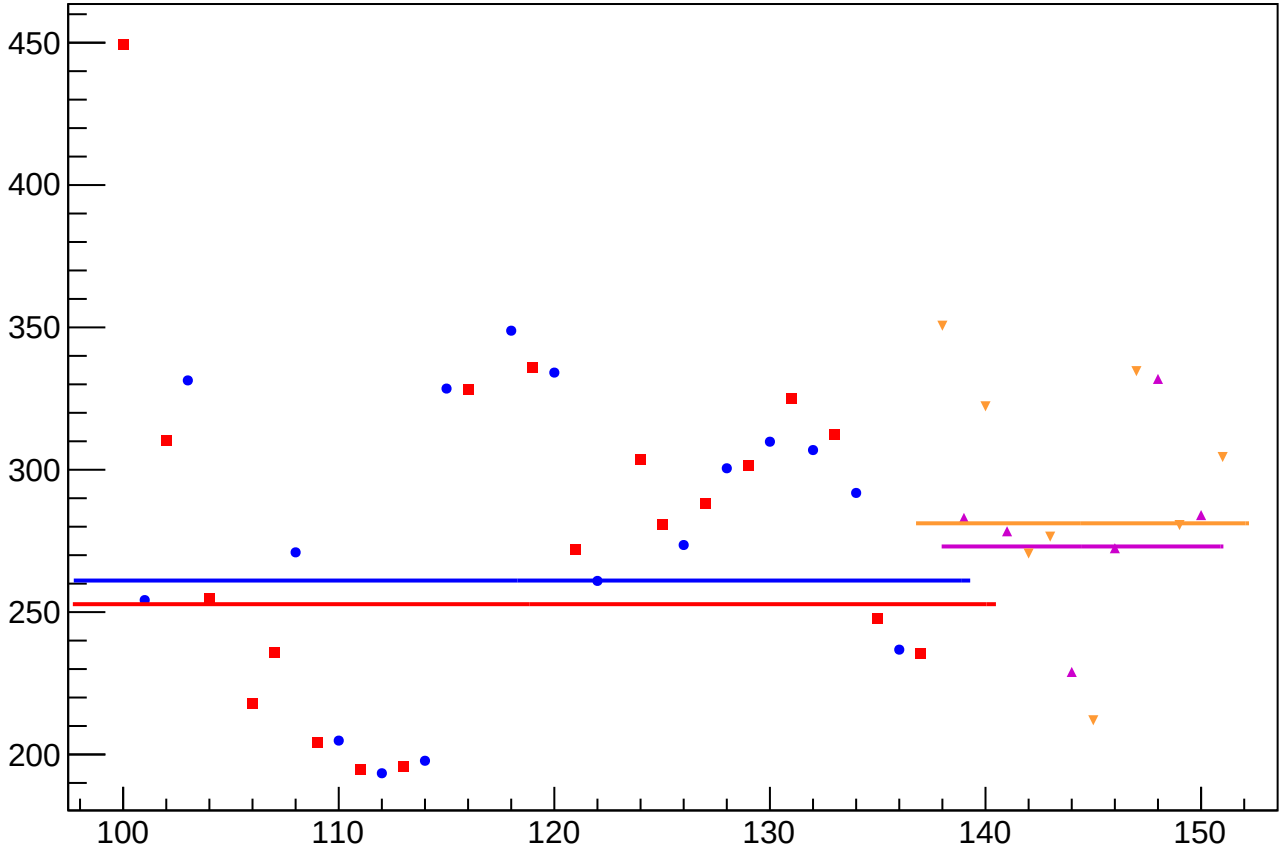
Left In: -330.092+/-121.152 χ^2/NDF:2.8/5

+ sign 118.639+/-75.175 χ^2/NDF: 20.0/23

All: -78.399+/-53.019 χ^2/NDF: 51.8/48

- sign -273.412+/-74.788 χ^2/NDF: 18.1/24

eigen_dit_asym_sam4_rms vs Slug



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 281.190+/-0.081 χ^2/NDF:309994.7/7

Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

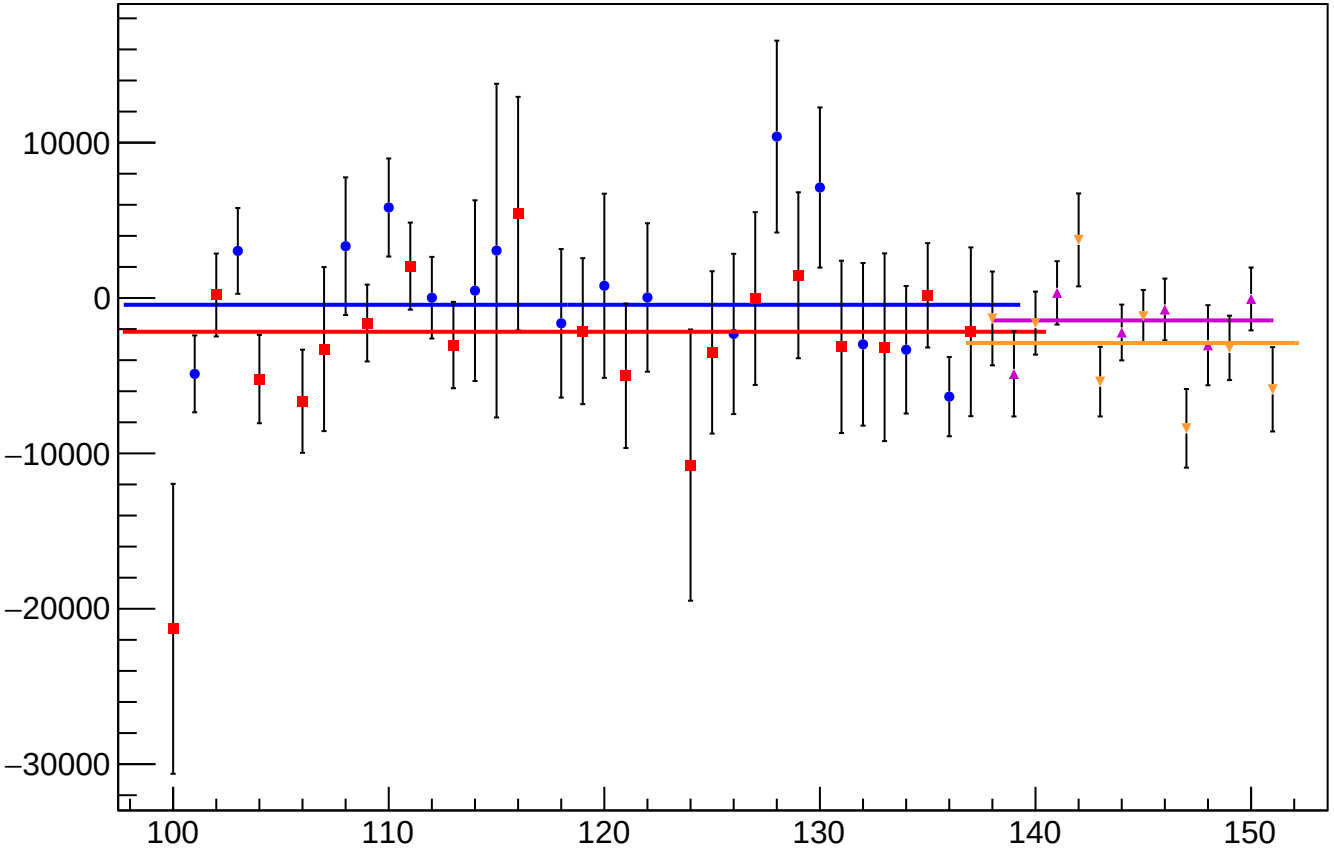
Left In: 273.058+/-0.086 χ^2/NDF:122206.6/5

+ sign 269.653+/-0.053 χ^2/NDF: 807627.7/23

All: 265.059+/-0.037 χ^2/NDF: 1516647.0/48

- sign 260.512+/-0.053 χ^2/NDF: 694155.2/24

asym_sam4_eigen_dit_correction_mean vs Slug



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -2898.382+/-806.701 χ^2/NDF:13.8/7

Right Out: -2172.089+/-901.101 χ^2/NDF: 14.0/18

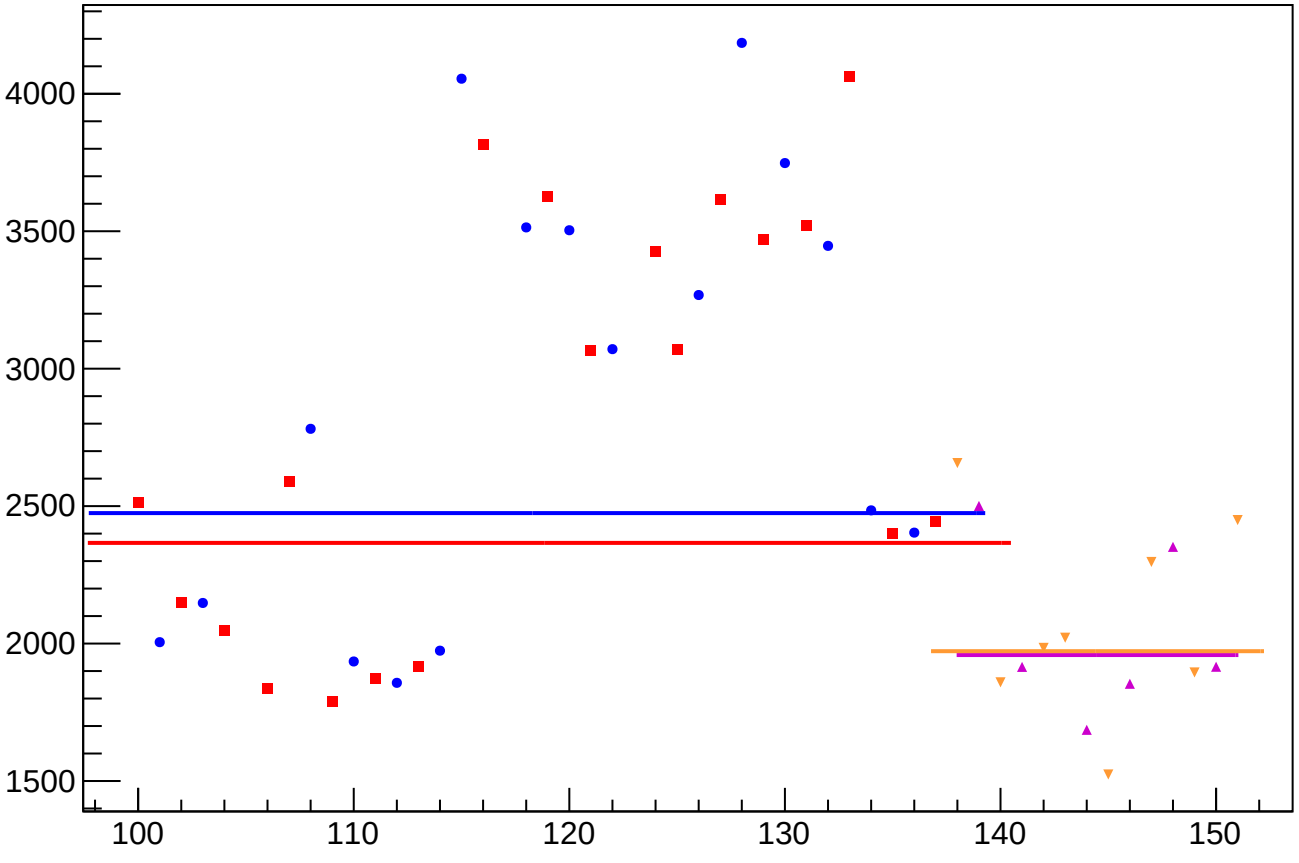
Left In: -1440.625+/-866.303 χ^2/NDF:3.5/5

+ sign -1873.485+/-616.298 χ^2/NDF: 38.9/23

All: -1833.262+/-438.663 χ^2/NDF: 56.7/48

- sign -1791.961+/-624.508 χ^2/NDF: 17.8/24

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 1972.258+/-0.570 χ^2/NDF:347490.3/7

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

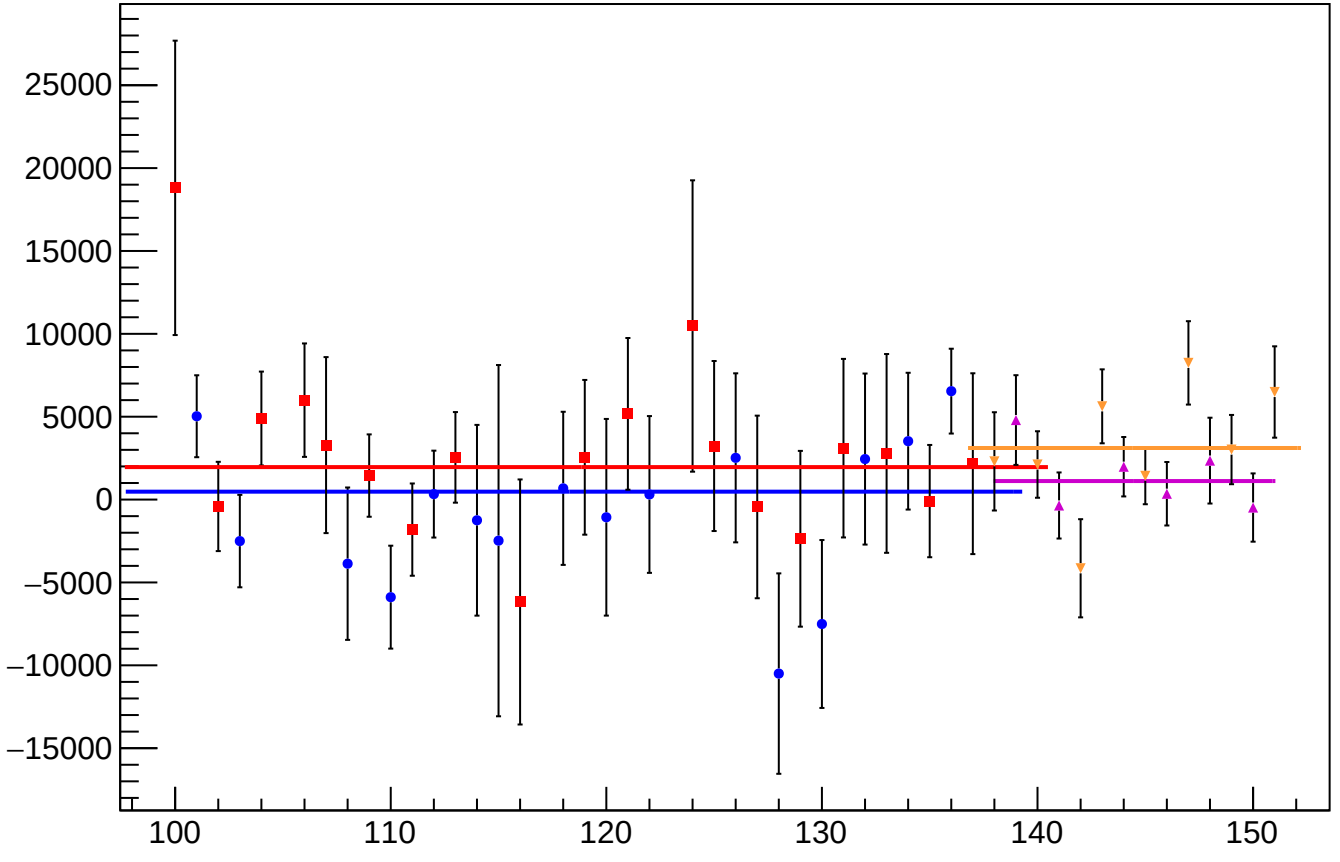
Left In: 1958.232+/-0.613 χ^2/NDF:178418.8/5

+ sign 2181.414+/-0.436 χ^2/NDF: 1586661.9/23

All: 2167.985+/-0.310 χ^2/NDF: 3057249.1/48

- sign 2154.196+/-0.442 χ^2/NDF: 1468662.5/24

asym_sam4_mean vs Slug



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 3112.095+/-806.706 χ^2/NDF:14.2/7

Right Out: 1959.491+/-899.702 χ^2/NDF: 12.8/18

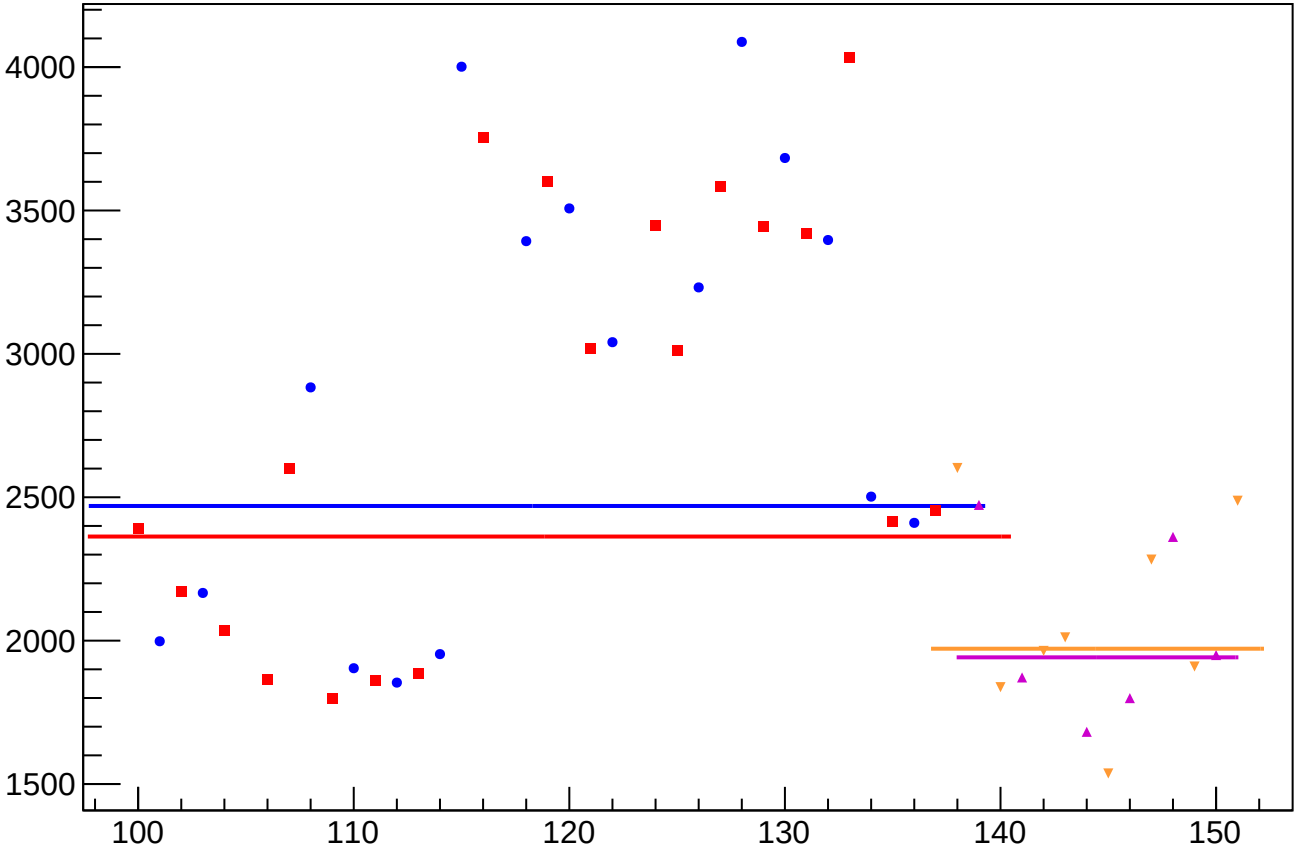
Left In: 1117.322+/-858.462 χ^2/NDF:3.6/5

+ sign 2011.899+/-615.659 χ^2/NDF: 40.8/23

All: 1767.447+/-437.245 χ^2/NDF: 58.0/48

- sign 1518.663+/-621.092 χ^2/NDF: 16.9/24

asym_sam4_rms vs Slug



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 1971.903+/-0.570 χ^2/NDF:331352.9/7

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

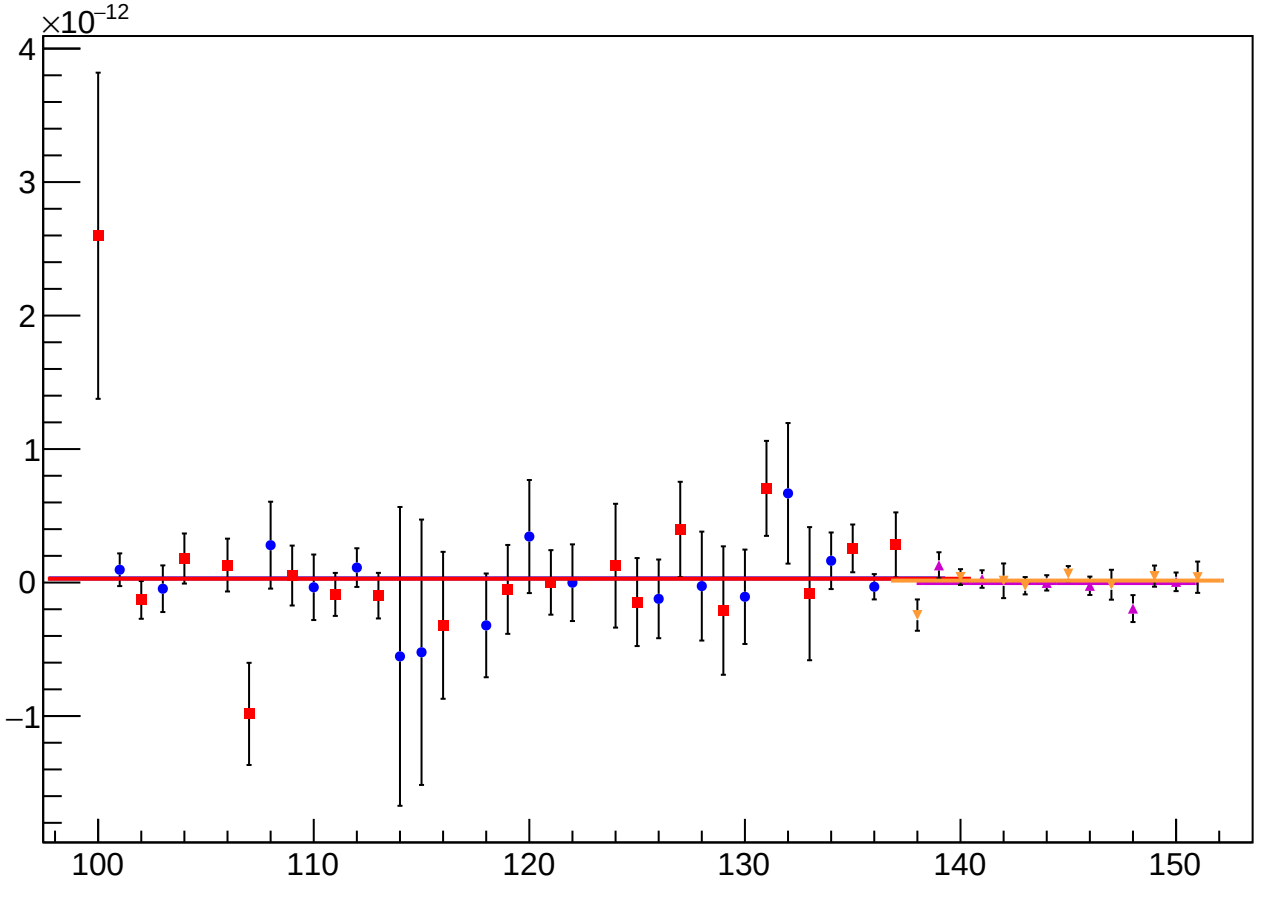
Left In: 1941.785+/-0.607 χ^2/NDF:185307.7/5

+ sign 2179.739+/-0.435 χ^2/NDF: 1535451.7/23

All: 2161.304+/-0.309 χ^2/NDF: 2997241.2/48

- sign 2142.543+/-0.439 χ^2/NDF: 1458171.3/24

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:6.5/7

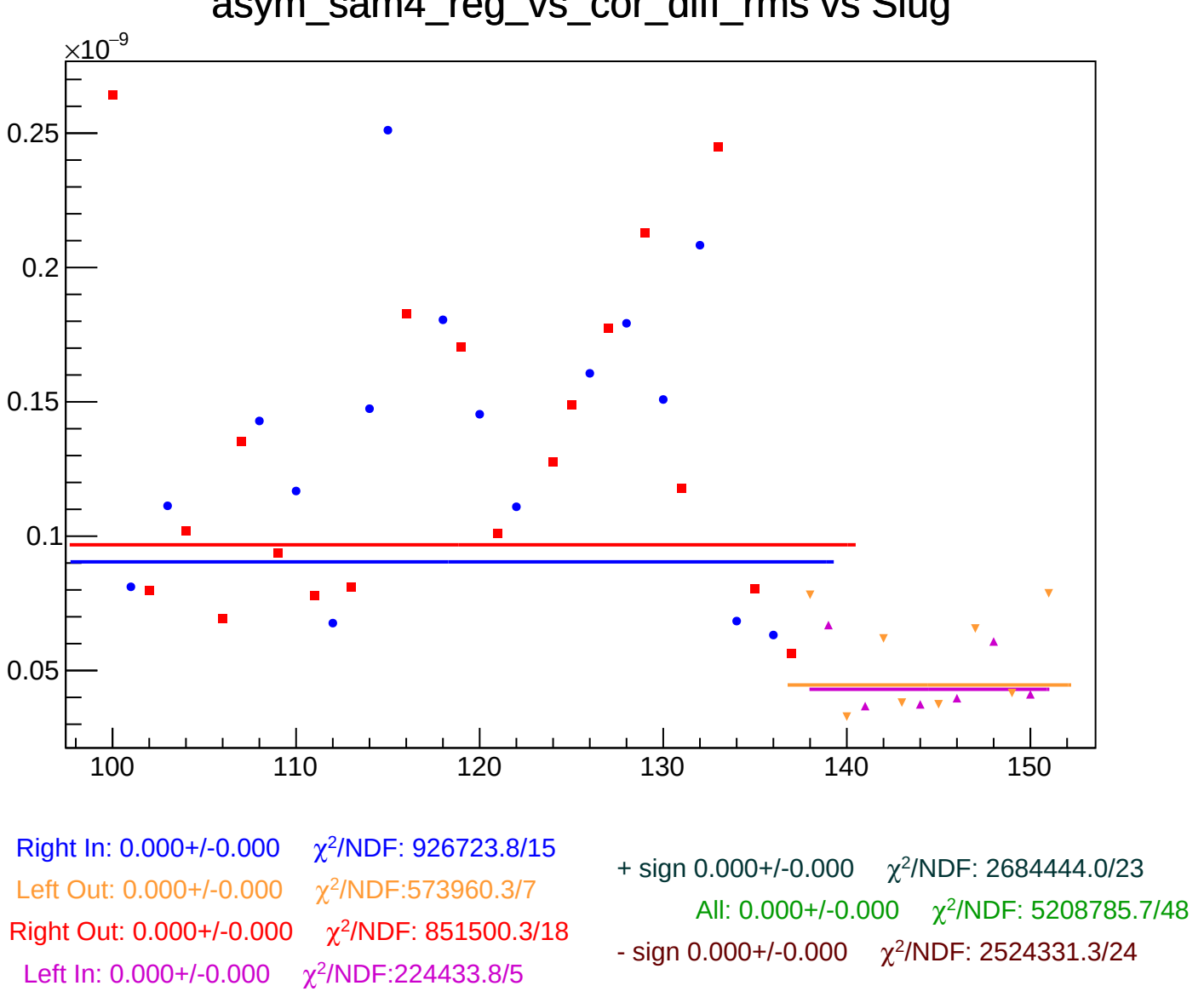
Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:5.7/5

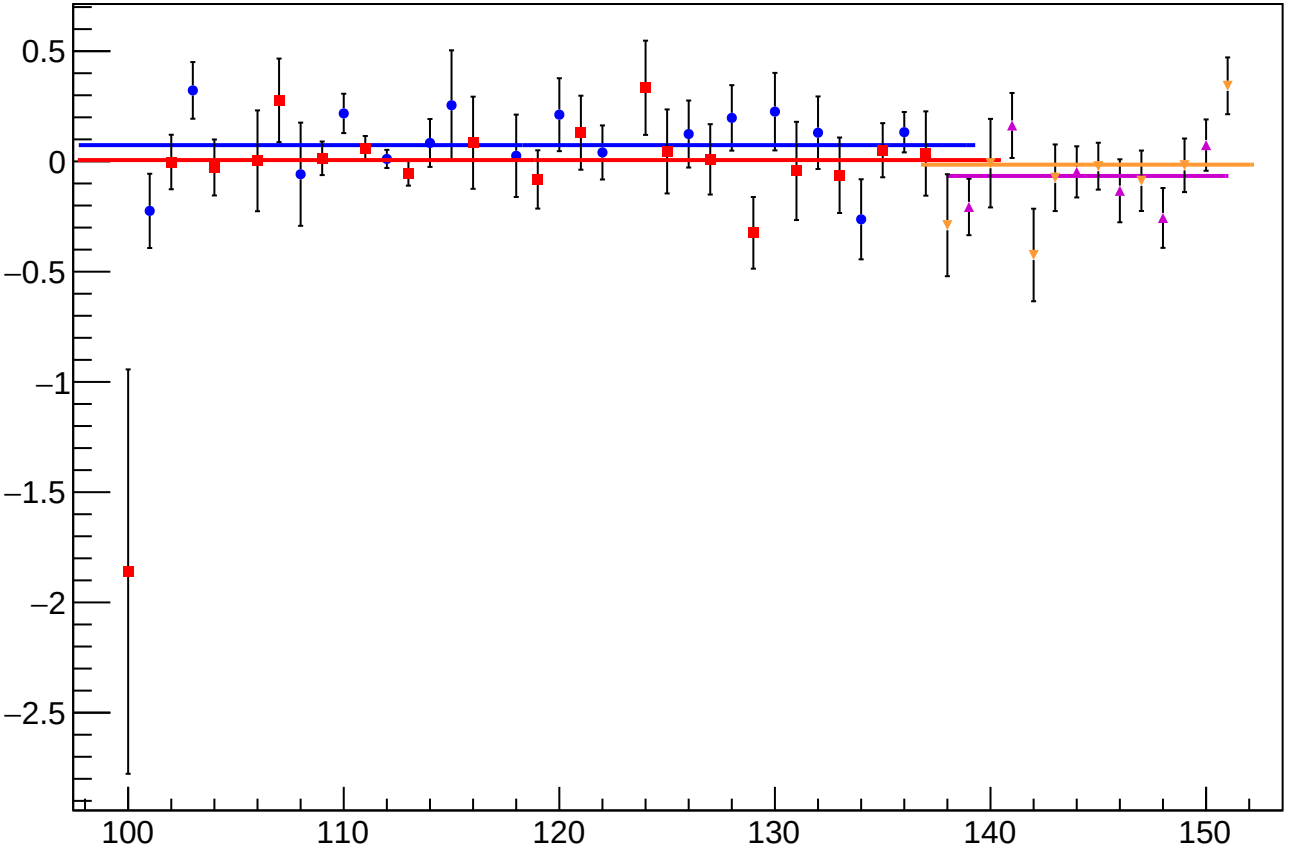
+ sign 0.000+/-0.000 χ^2/NDF: 12.7/23

All: 0.000+/-0.000 χ^2/NDF: 42.1/48

- sign 0.000+/-0.000 χ^2/NDF: 29.2/24


asym_sam4_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 926723.8/15
Left Out: 0.000+/-0.000 χ²/NDF:573960.3/7
Right Out: 0.000+/-0.000 χ²/NDF: 851500.3/18
Left In: 0.000+/-0.000 χ²/NDF:224433.8/5
+ sign 0.000+/-0.000 χ²/NDF: 2684444.0/23
All: 0.000+/-0.000 χ²/NDF: 5208785.7/48
- sign 0.000+/-0.000 χ²/NDF: 2524331.3/24

asym_sam4_dit_vs_cor_diff_mean vs Slug



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.015+/-0.051 χ^2/NDF:13.4/7

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

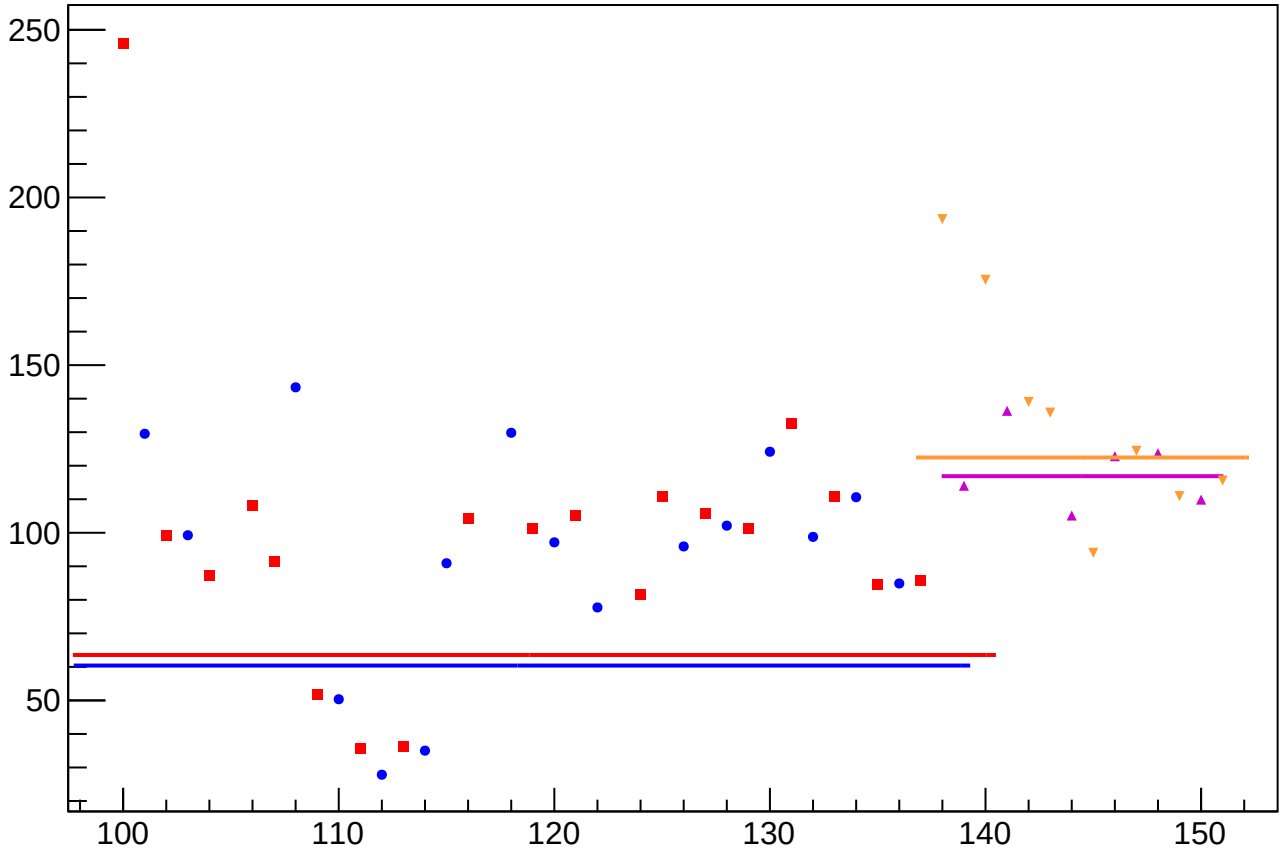
Left In: -0.066+/-0.053 χ^2/NDF:7.3/5

+ sign 0.055+/-0.024 χ^2/NDF: 34.7/23

All: 0.023+/-0.017 χ^2/NDF: 63.4/48

- sign -0.009+/-0.024 χ^2/NDF: 25.2/24

asym_sam4_dit_vs_cor_diff_rms vs Slug



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 122.453+/-0.036 χ^2/NDF:523771.1/7

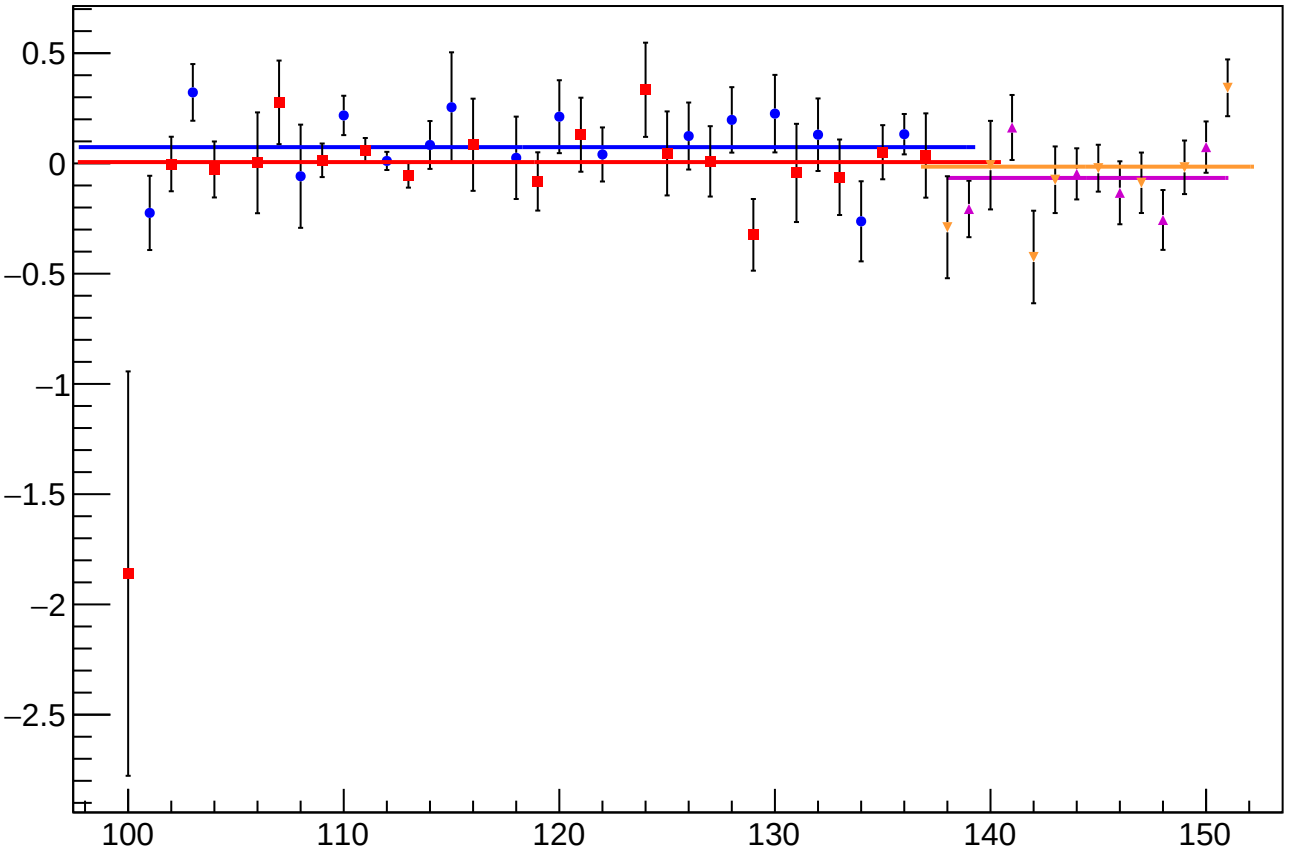
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 116.880+/-0.037 χ^2/NDF:72220.4/5

\+ sign 73.866+/-0.017 χ^2/NDF: 6352089.4/23

All: 74.181+/-0.012 χ^2/NDF: 10700766.0/48

\- sign 74.496+/-0.017 χ^2/NDF: 4347983.3/24



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.015+/-0.051 χ^2/NDF:13.4/7

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

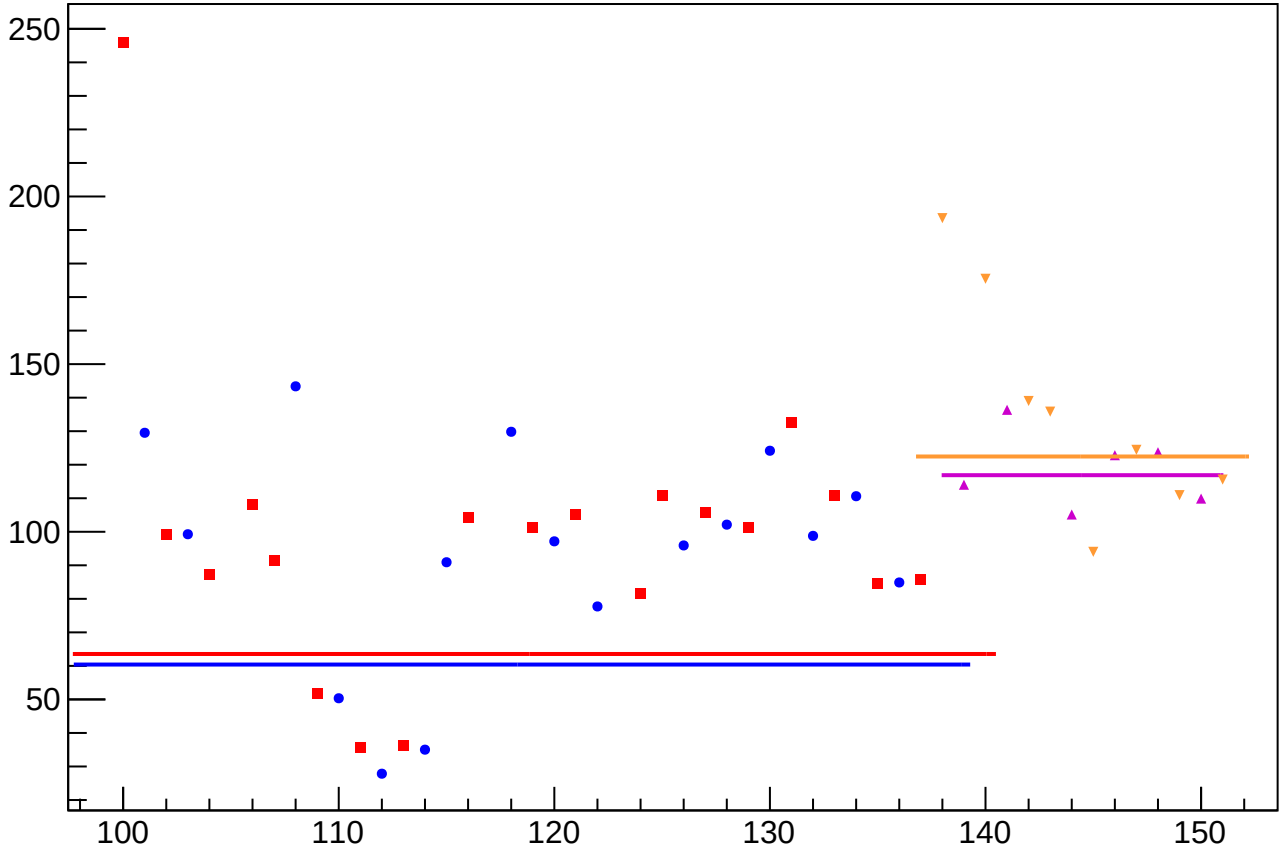
Left In: -0.066+/-0.053 χ^2/NDF:7.3/5

+ sign 0.055+/-0.024 χ^2/NDF: 34.7/23

All: 0.023+/-0.017 χ^2/NDF: 63.4/48

- sign -0.009+/-0.024 χ^2/NDF: 25.2/24

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 122.453+/-0.036 χ^2/NDF:523771.1/7

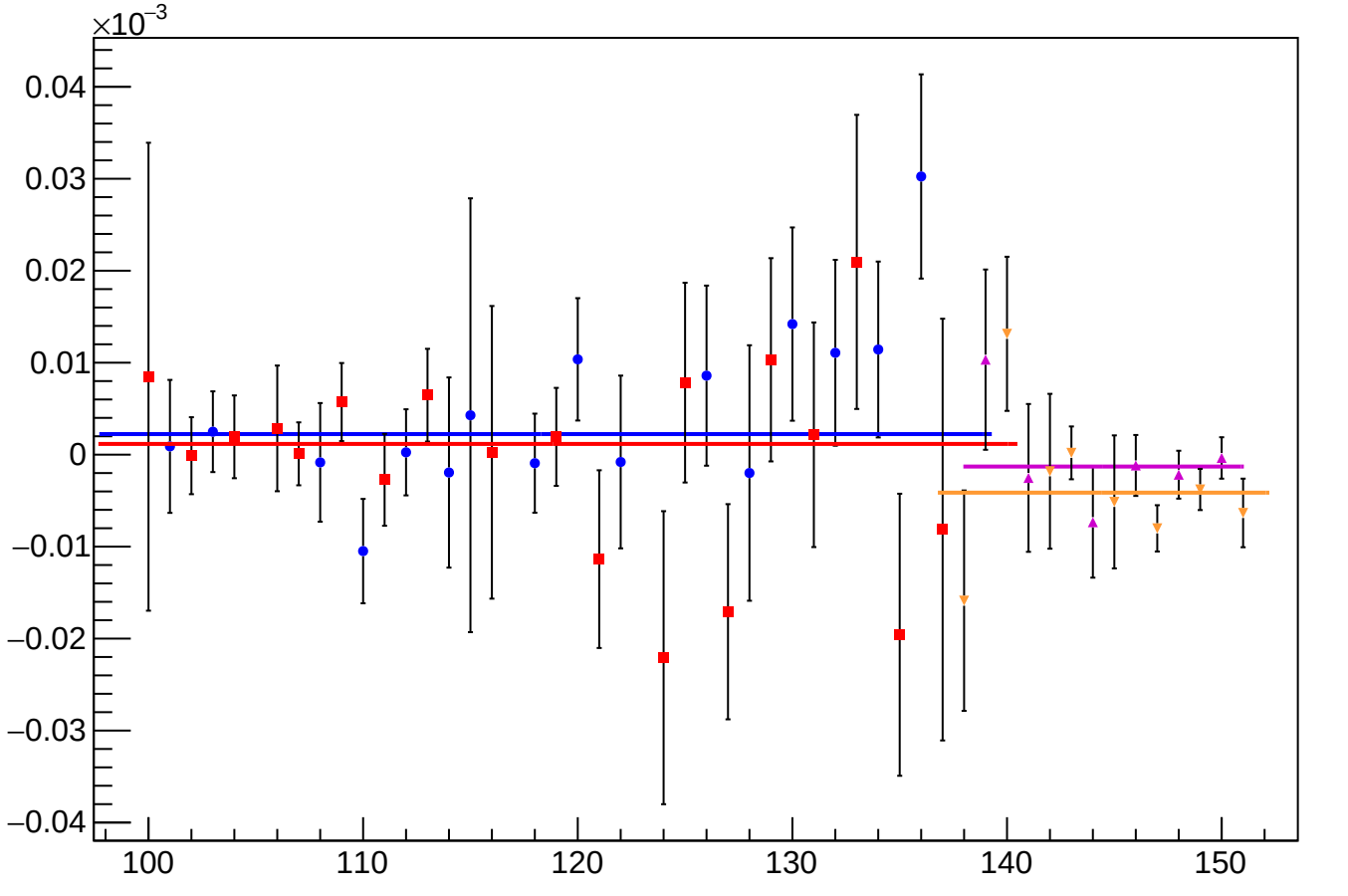
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 116.880+/-0.037 χ^2/NDF:72220.4/5

+ sign 73.866+/-0.017 χ^2/NDF: 6352089.4/23

All: 74.181+/-0.012 χ^2/NDF: 10700766.0/48

- sign 74.496+/-0.017 χ^2/NDF: 4347983.3/24



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

Left Out: -0.000+/-0.000 χ^2/NDF:10.3/7

Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

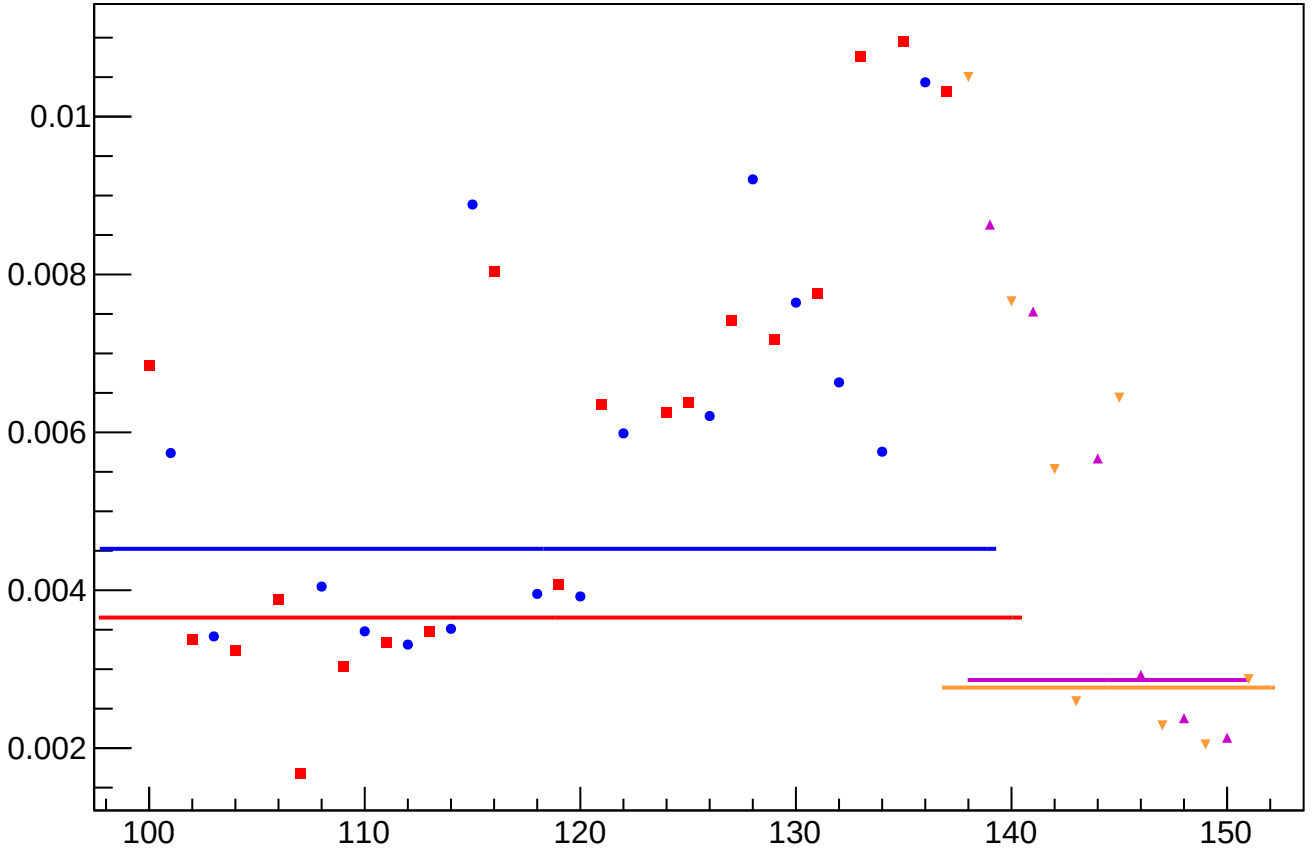
Left In: -0.000+/-0.000 χ^2/NDF:2.7/5

+ sign -0.000+/-0.000 χ^2/NDF: 36.0/23

All: -0.000+/-0.000 χ^2/NDF: 55.8/48

- sign -0.000+/-0.000 χ^2/NDF: 18.2/24

asym_sam4_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 1721333.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:2535980.2/7

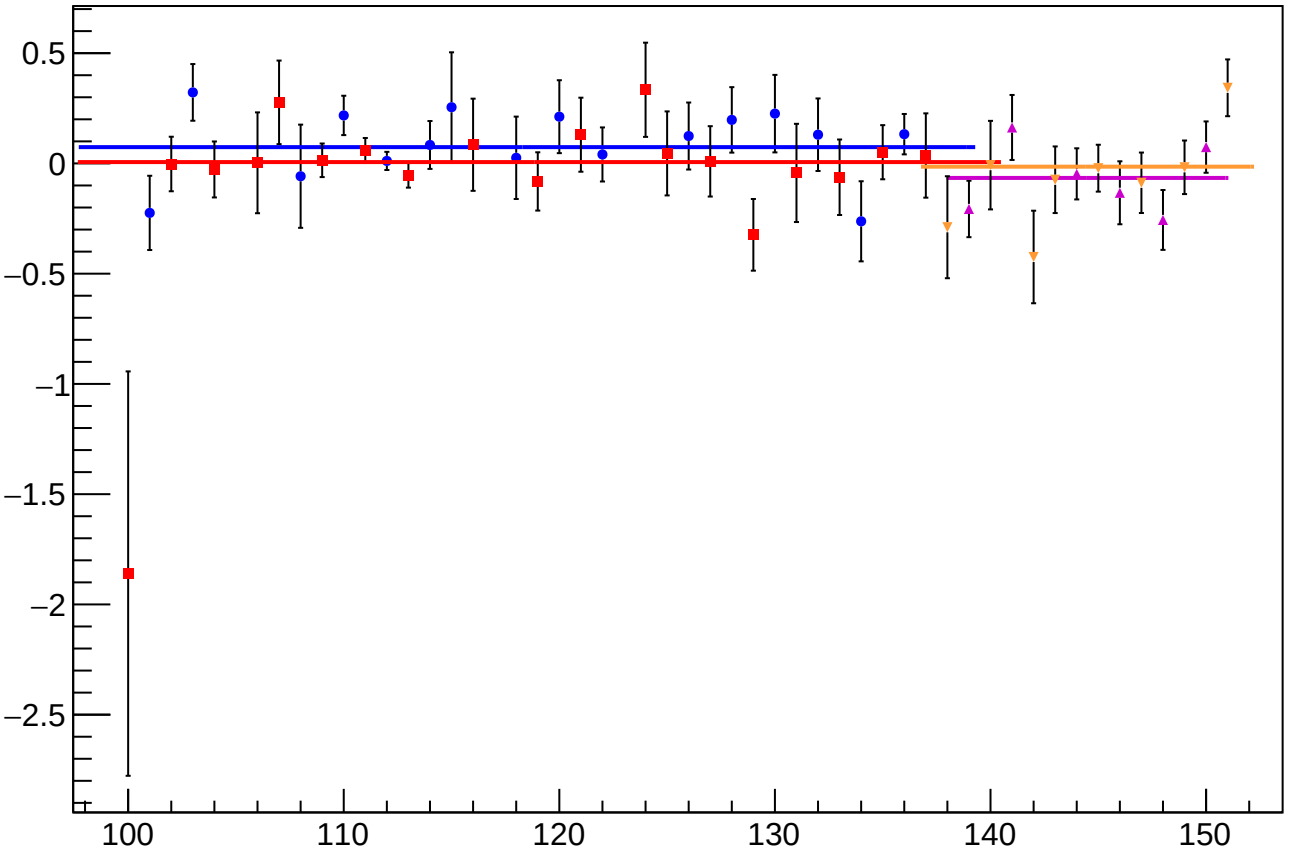
Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.003+/-0.000 χ^2/NDF:2081554.5/5

+ sign 0.003+/-0.000 χ^2/NDF: 5509938.4/23

All: 0.003+/-0.000 χ^2/NDF: 10828839.0/48

- sign 0.003+/-0.000 χ^2/NDF: 5306368.0/24



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.015+/-0.051 χ^2/NDF:13.4/7

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

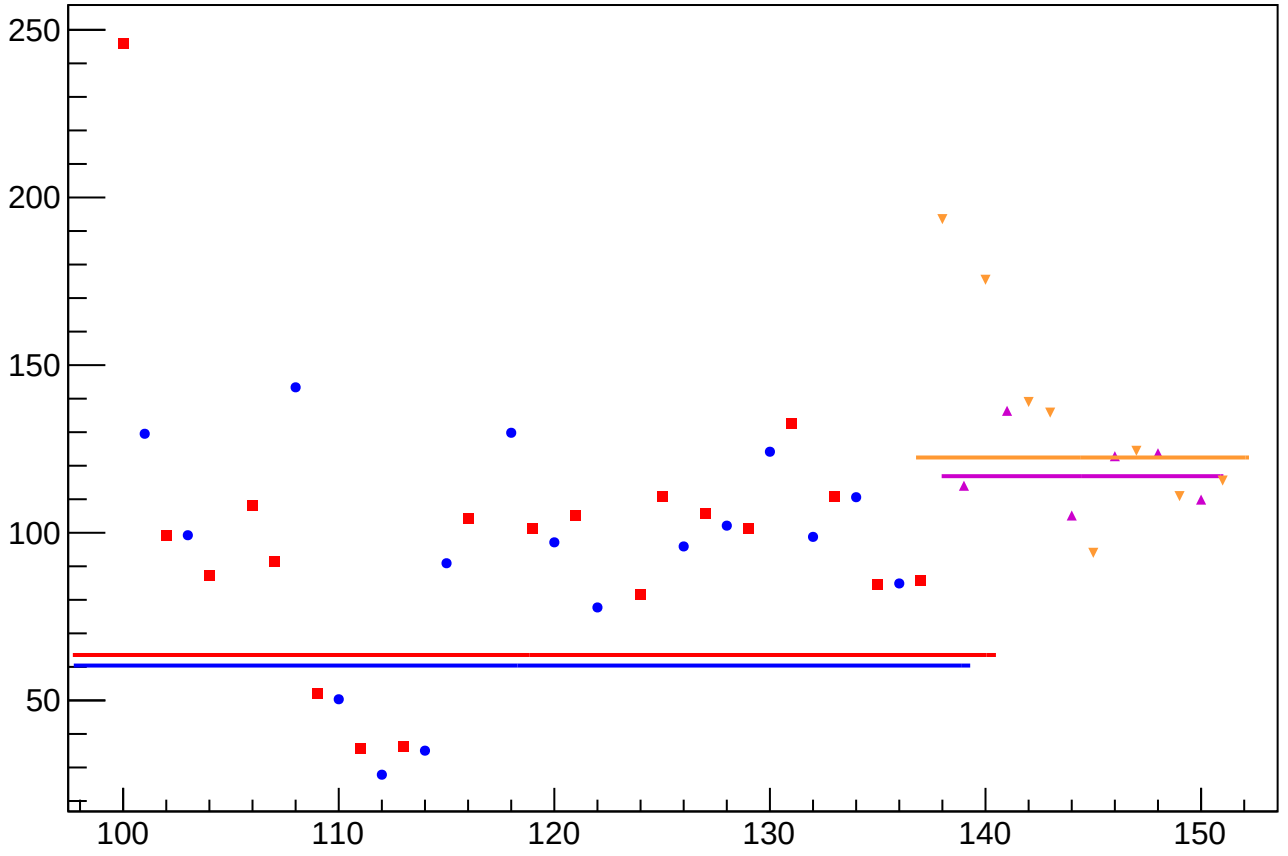
Left In: -0.066+/-0.053 χ^2/NDF:7.3/5

+ sign 0.055+/-0.024 χ^2/NDF: 34.7/23

All: 0.023+/-0.017 χ^2/NDF: 63.4/48

- sign -0.009+/-0.024 χ^2/NDF: 25.2/24

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 122.454+/-0.036 χ^2/NDF:523745.5/7

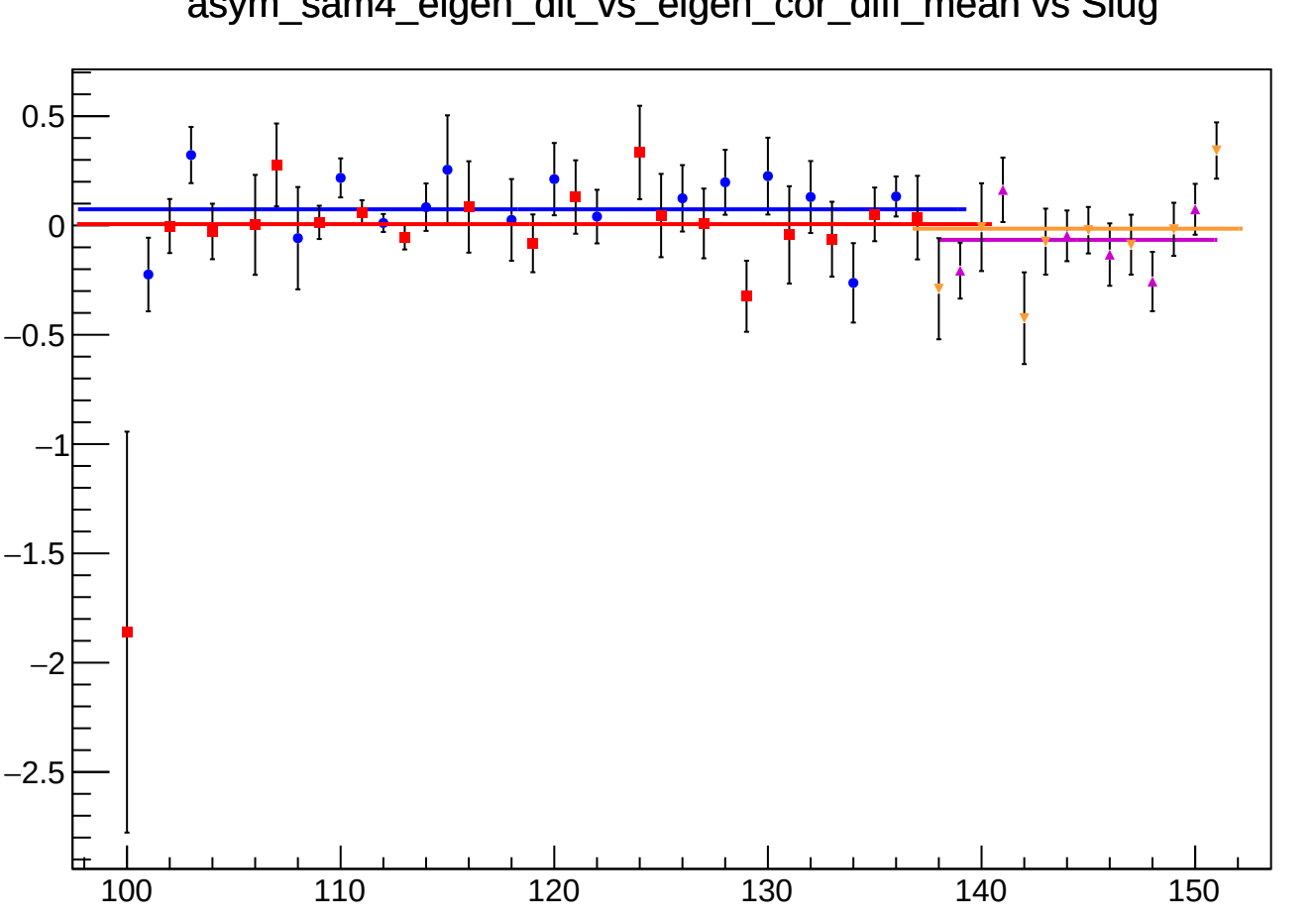
Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 116.881+/-0.037 χ^2/NDF:72222.9/5

+ sign 73.864+/-0.017 χ^2/NDF: 6352556.0/23

All: 74.179+/-0.012 χ^2/NDF: 10701658.1/48

- sign 74.494+/-0.017 χ^2/NDF: 4348408.0/24



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.015+/-0.051 χ^2/NDF:13.4/7

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

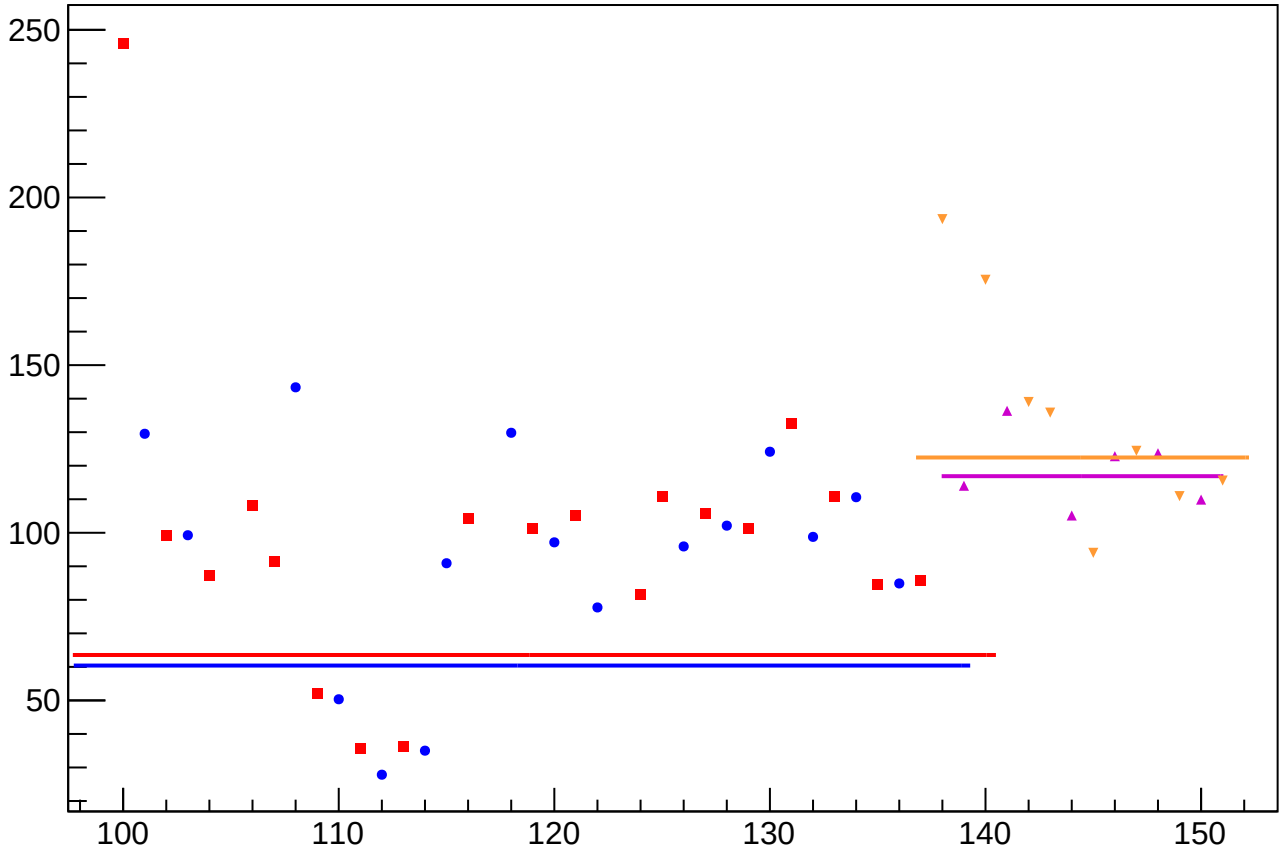
Left In: -0.066+/-0.053 χ^2/NDF:7.3/5

+ sign 0.055+/-0.024 χ^2/NDF: 34.7/23

All: 0.023+/-0.017 χ^2/NDF: 63.4/48

- sign -0.009+/-0.024 χ^2/NDF: 25.2/24

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: 122.454+/-0.036 χ^2/NDF:523745.5/7

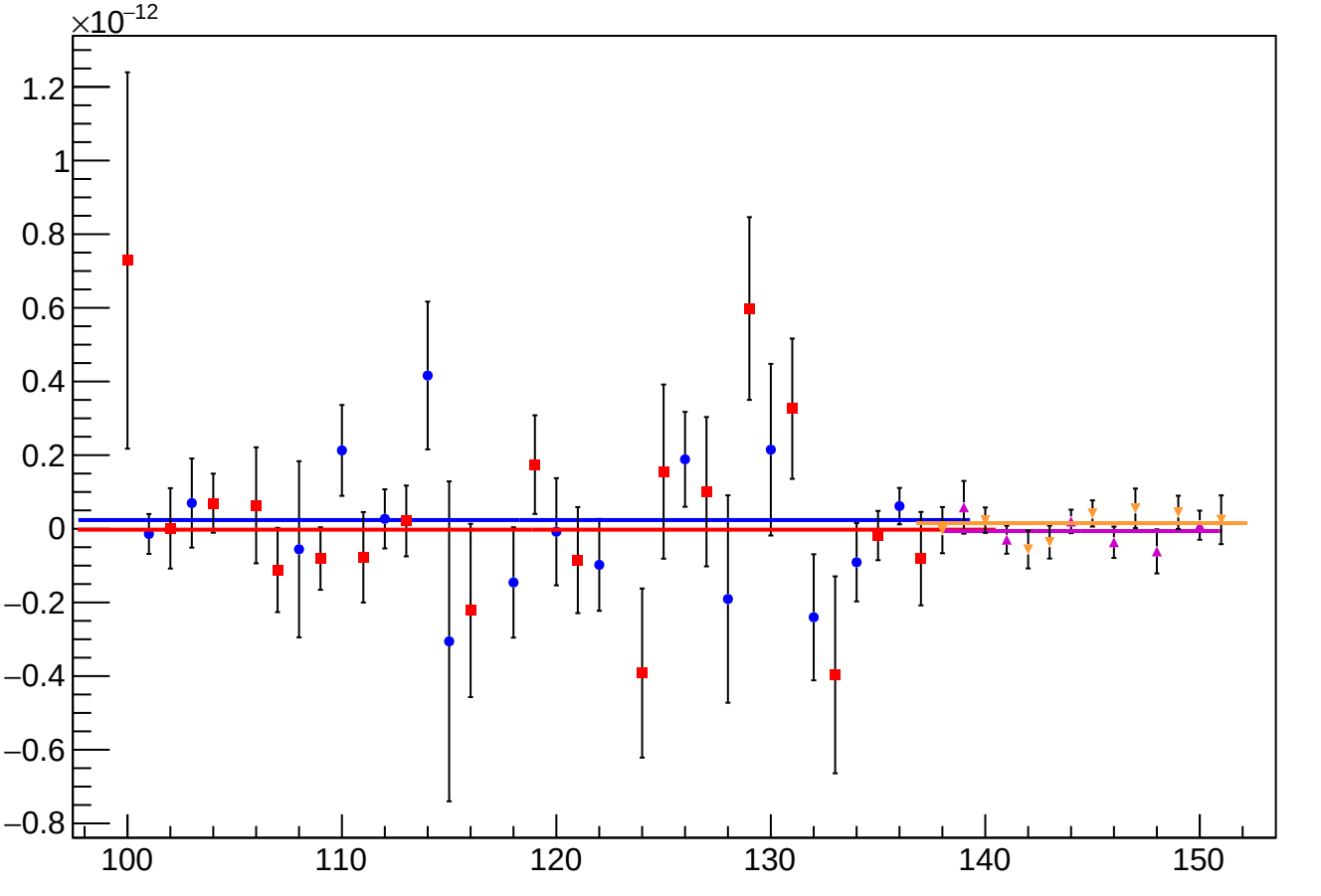
Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 116.881+/-0.037 χ^2/NDF:72222.9/5

+ sign 73.864+/-0.017 χ^2/NDF: 6352556.0/23

All: 74.179+/-0.012 χ^2/NDF: 10701658.1/48

- sign 74.494+/-0.017 χ^2/NDF: 4348408.0/24



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.9/7

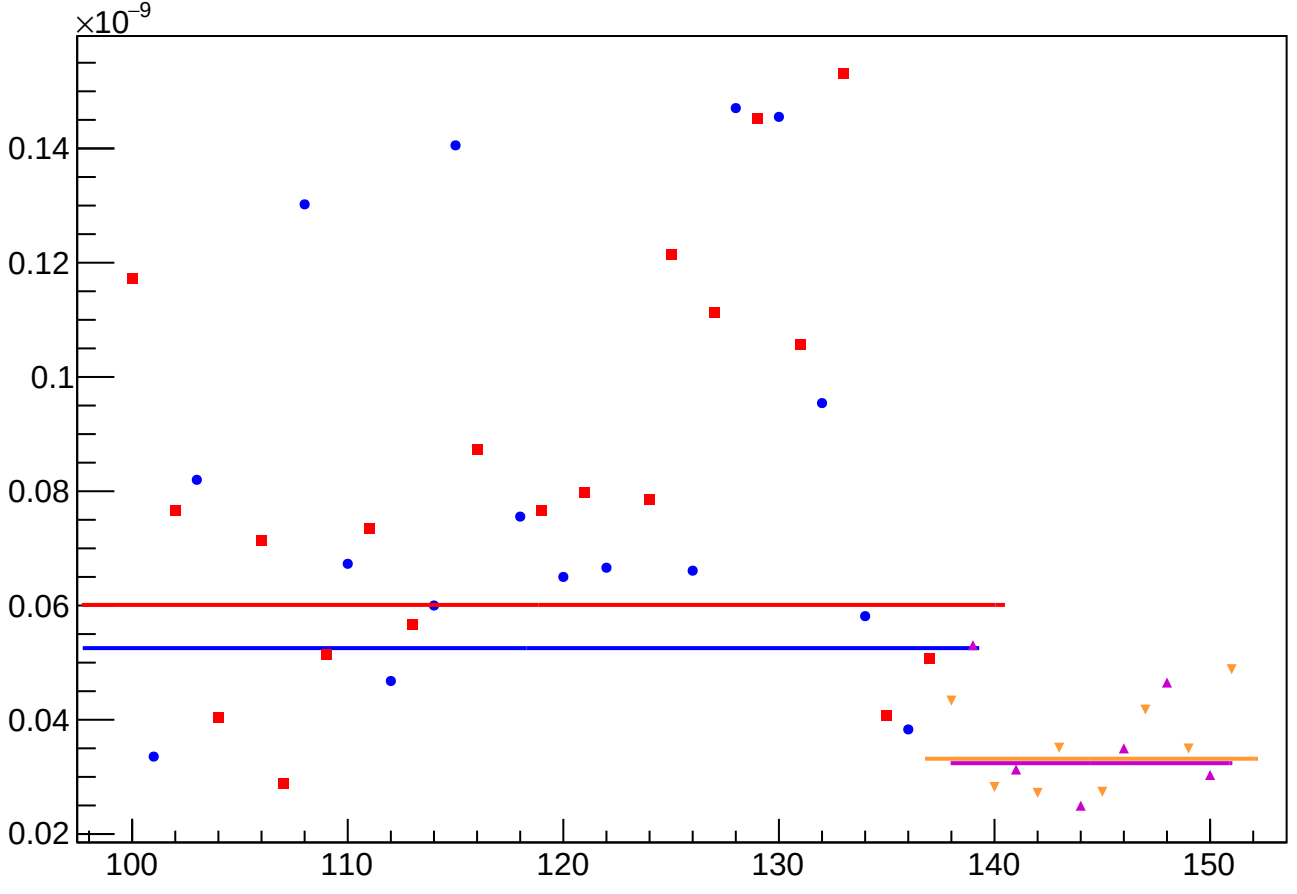
Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:3.4/5

+ sign 0.000+/-0.000 χ^2/NDF: 21.8/23

All: 0.000+/-0.000 χ^2/NDF: 49.7/48

- sign -0.000+/-0.000 χ^2/NDF: 26.6/24



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:343311.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

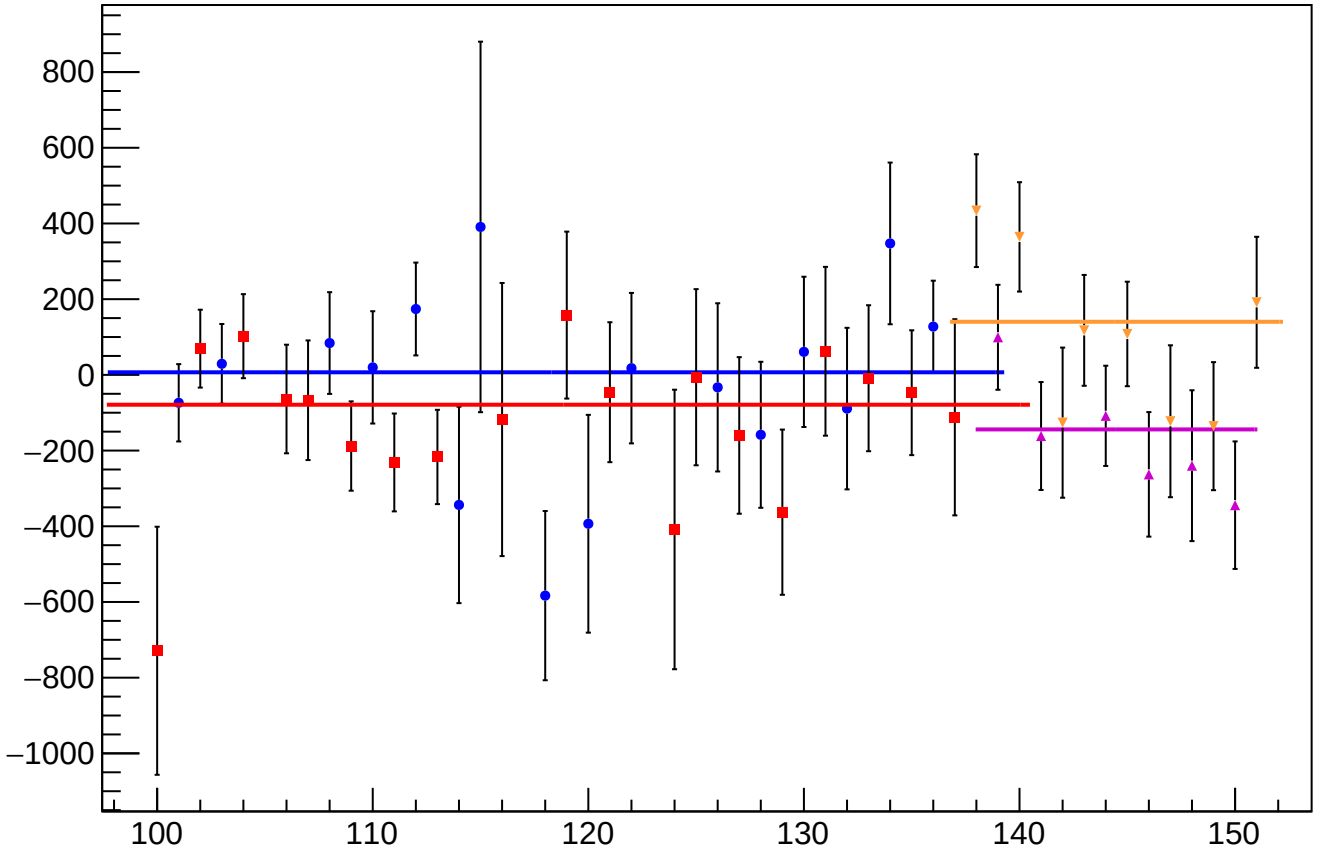
Left In: 0.000+/-0.000 χ^2/NDF:400760.6/5

+ sign 0.000+/-0.000 χ^2/NDF: 2783234.8/23

All: 0.000+/-0.000 χ^2/NDF: 6084142.6/48

- sign 0.000+/-0.000 χ^2/NDF: 3293817.1/24

reg_asym_sam5_mean vs Slug



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 140.270+/-56.740 χ^2/NDF:12.6/7

Right Out: -78.883+/-37.906 χ^2/NDF: 16.7/18

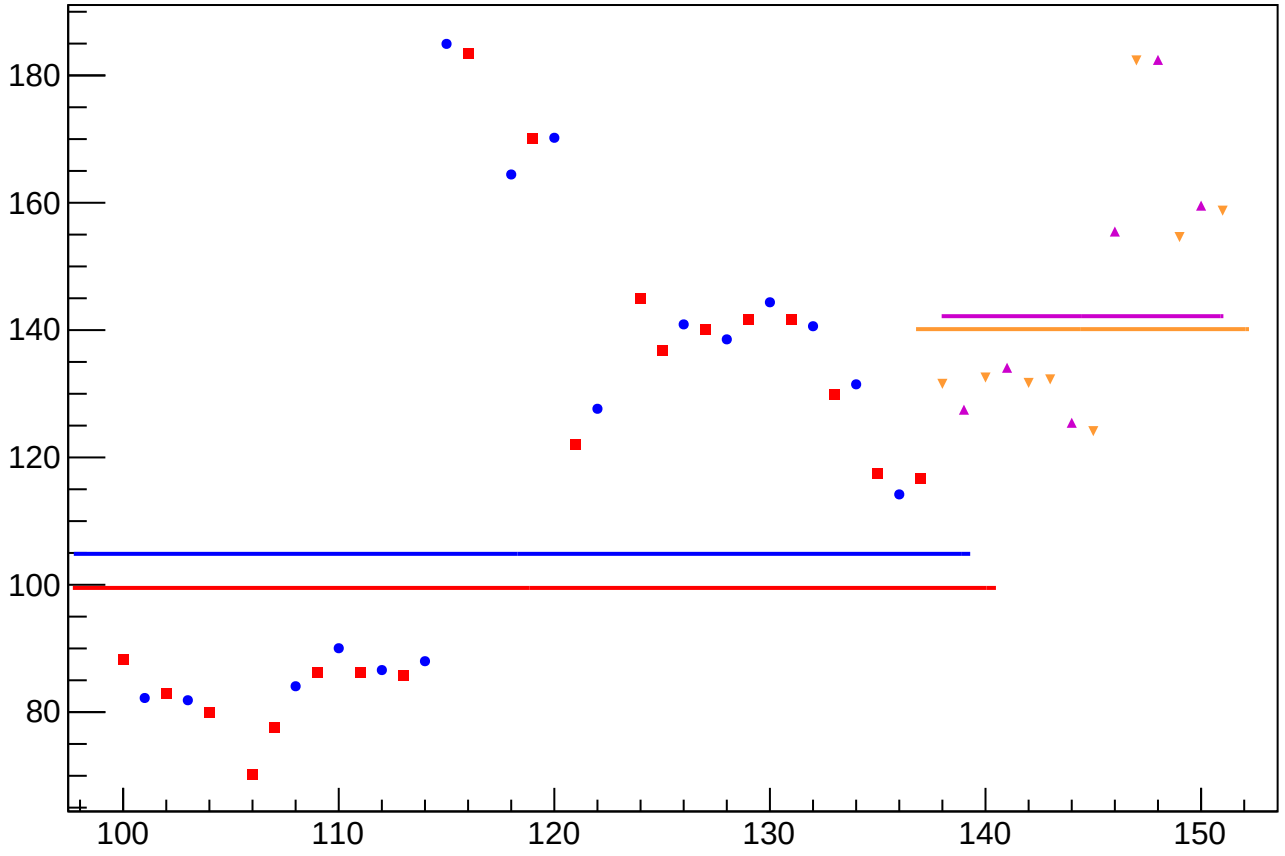
Left In: -144.105+/-62.544 χ^2/NDF:5.3/5

+ sign 51.639+/-32.885 χ^2/NDF: 35.1/23

All: -23.443+/-23.086 χ^2/NDF: 68.2/48

- sign -96.404+/-32.417 χ^2/NDF: 22.8/24

reg_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 140.152+/-0.040 χ^2/NDF:174737.7/7

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

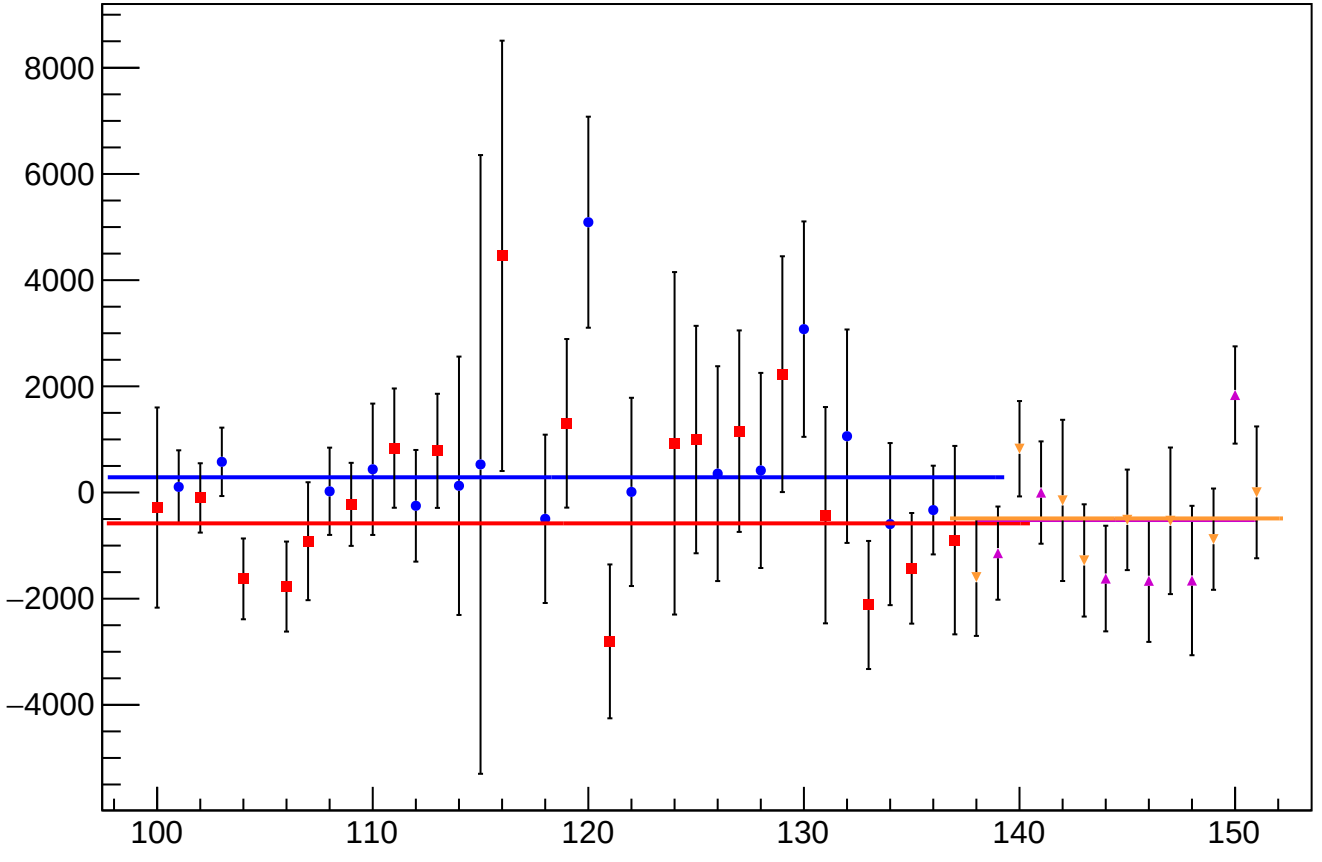
Left In: 142.187+/-0.044 χ^2/NDF:176810.5/5

+ sign 116.714+/-0.023 χ^2/NDF: 1619832.3/23

All: 113.803+/-0.016 χ^2/NDF: 3547711.5/48

- sign 110.973+/-0.023 χ^2/NDF: 1896960.9/24

asym_sam5_reg_correction_mean vs Slug



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -488.389+/-384.282 χ^2/NDF:4.1/7

Right Out: -581.217+/-269.775 χ^2/NDF: 18.8/18

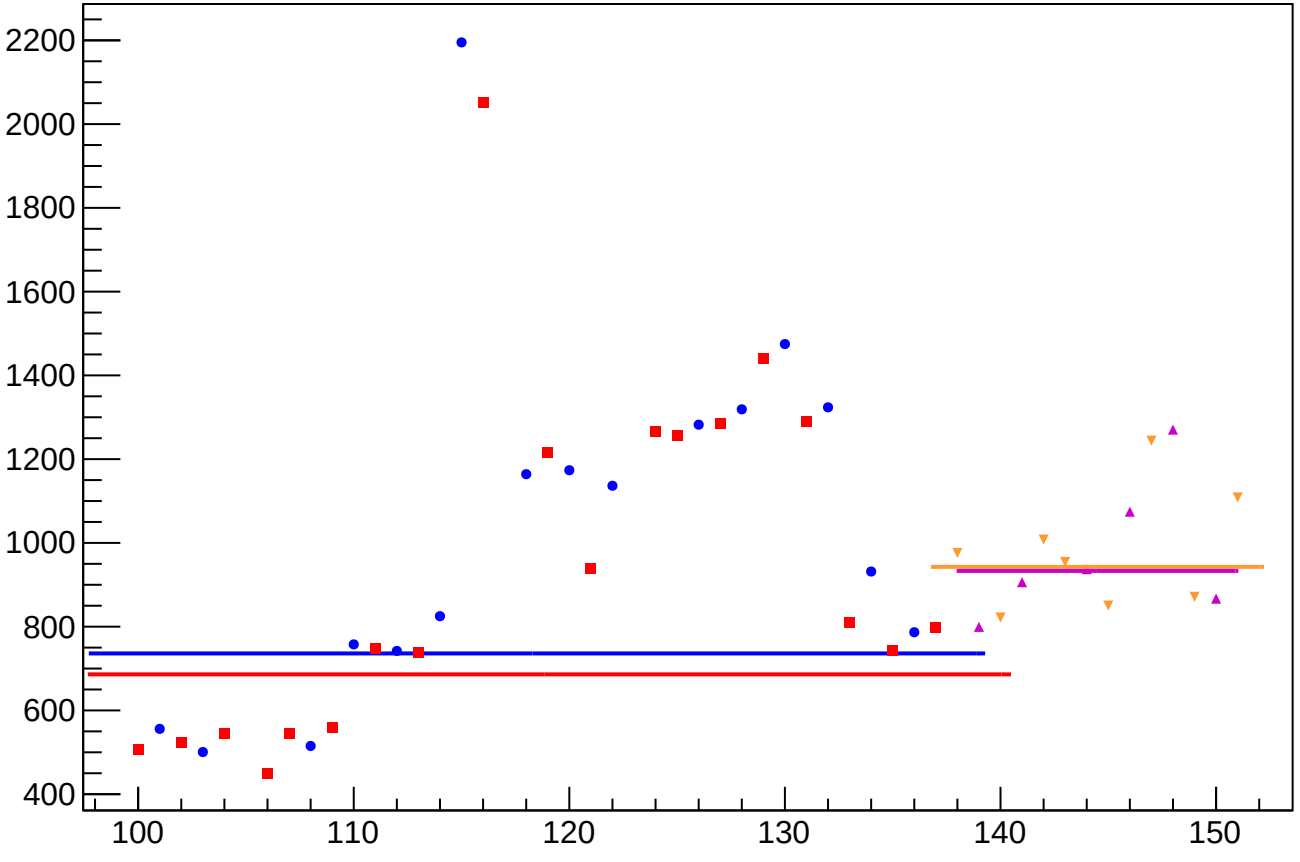
Left In: -518.160+/-413.954 χ^2/NDF:10.3/5

+ sign 1.309+/-233.237 χ^2/NDF: 16.3/23

All: -289.418+/-162.310 χ^2/NDF: 48.4/48

- sign -562.419+/-226.015 χ^2/NDF: 29.0/24

asym_sam5_reg_correction_rms vs Slug



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 942.777+/-0.272 χ^2/NDF:203281.3/7

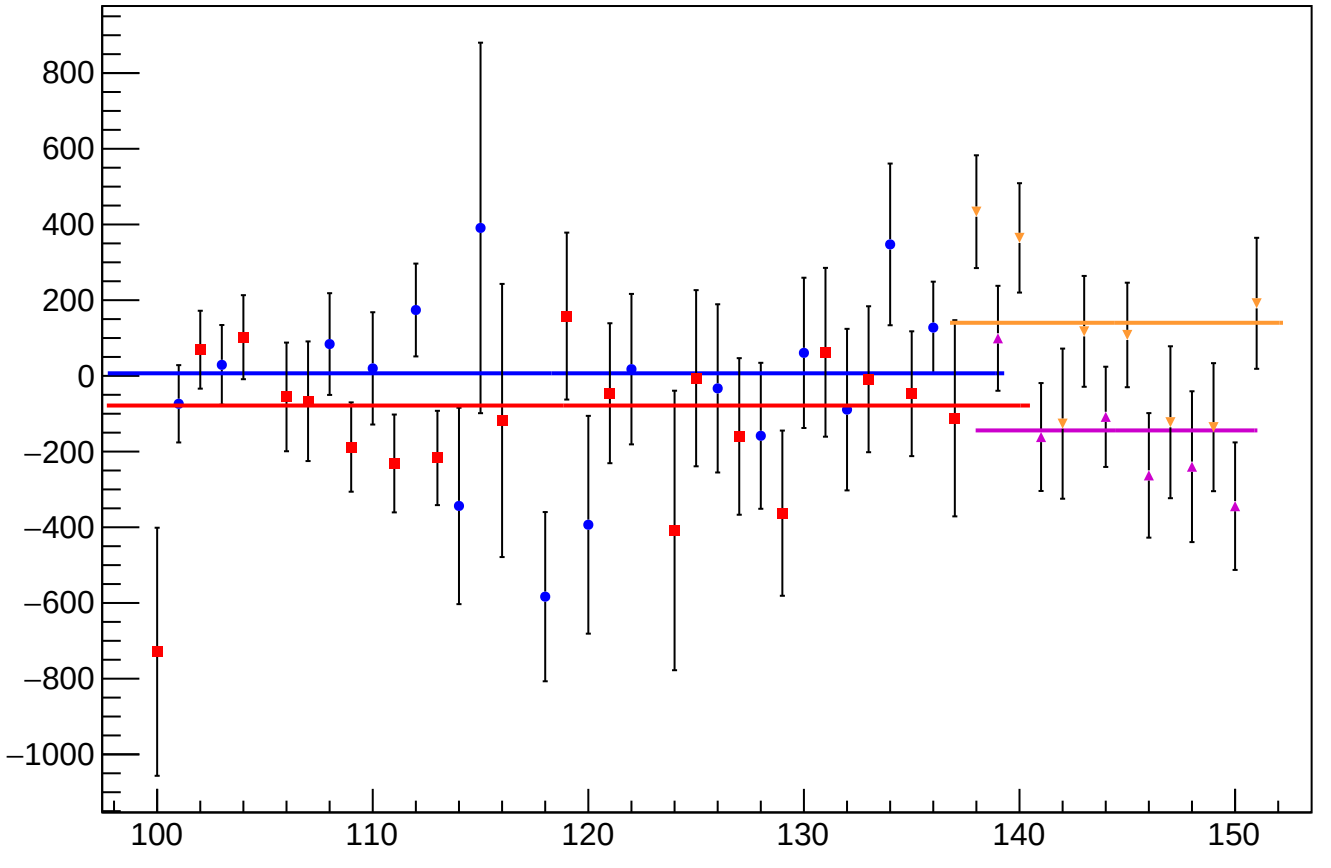
Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

Left In: 933.123+/-0.293 χ^2/NDF:203520.1/5

+ sign 812.225+/-0.165 χ^2/NDF: 2413236.1/23

All: 785.160+/-0.115 χ^2/NDF: 4988008.7/48

- sign 759.745+/-0.160 χ^2/NDF: 2522551.7/24



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 140.275+/-56.740 χ^2/NDF:12.6/7

Right Out: -78.347+/-37.909 χ^2/NDF: 16.7/18

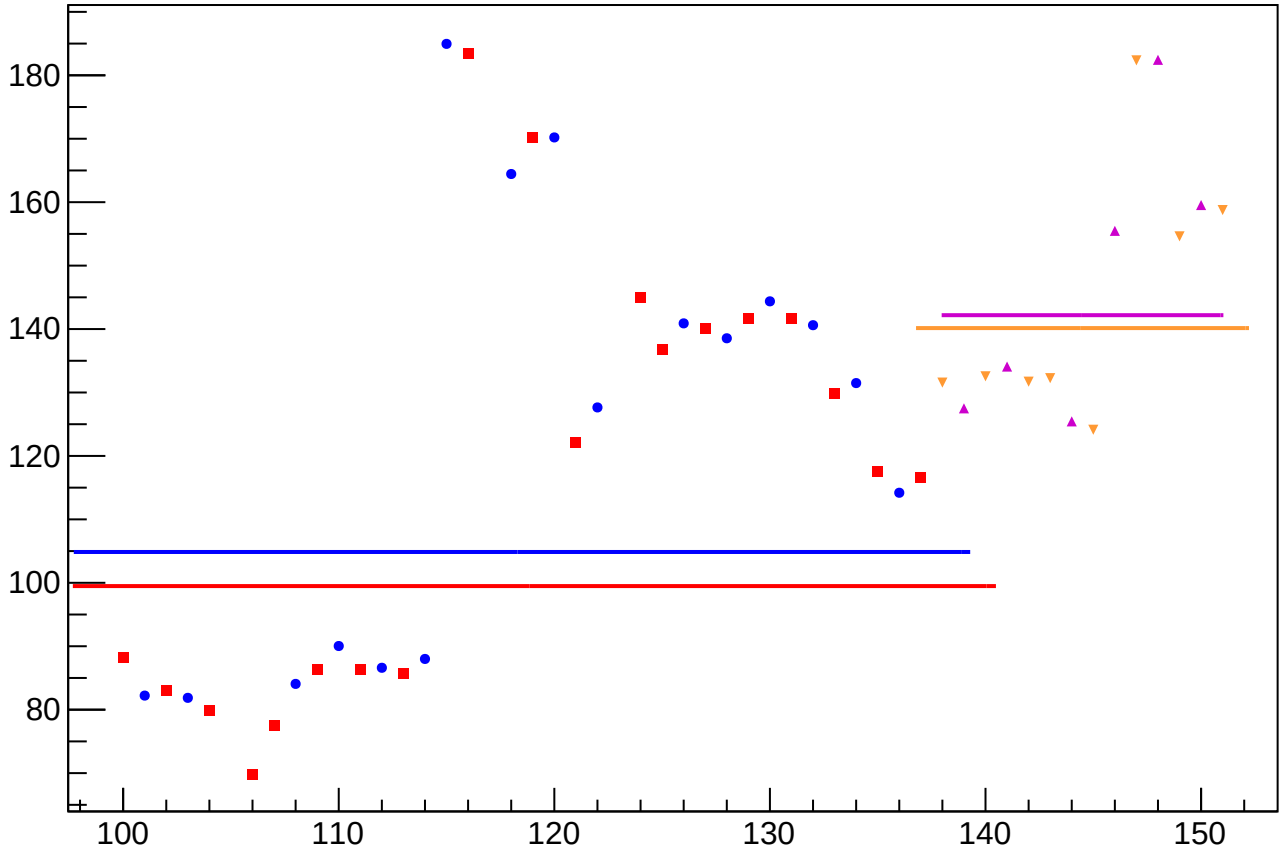
Left In: -144.107+/-62.544 χ^2/NDF:5.3/5

+ sign 51.633+/-32.885 χ^2/NDF: 35.1/23

All: -23.245+/-23.086 χ^2/NDF: 68.2/48

- sign -96.015+/-32.419 χ^2/NDF: 22.8/24

cor_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 140.152+/-0.040 χ^2/NDF:174737.7/7

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

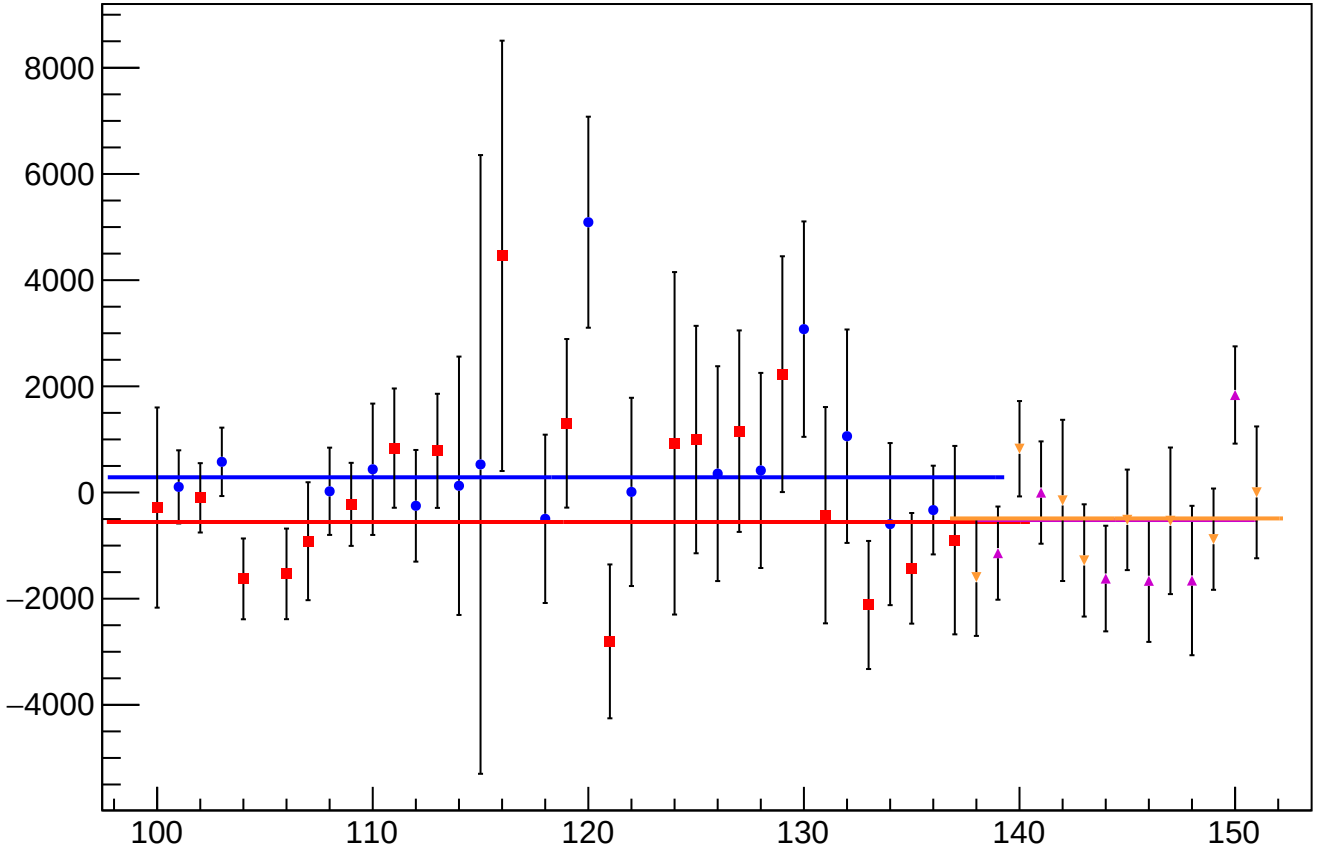
Left In: 142.187+/-0.044 χ^2/NDF:176810.5/5

+ sign 116.714+/-0.023 χ^2/NDF: 1619831.1/23

All: 113.794+/-0.016 χ^2/NDF: 3550808.0/48

- sign 110.957+/-0.023 χ^2/NDF: 1899884.5/24

asym_sam5_cor_correction_mean vs Slug



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -488.385+/-384.282 χ^2/NDF:4.1/7

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

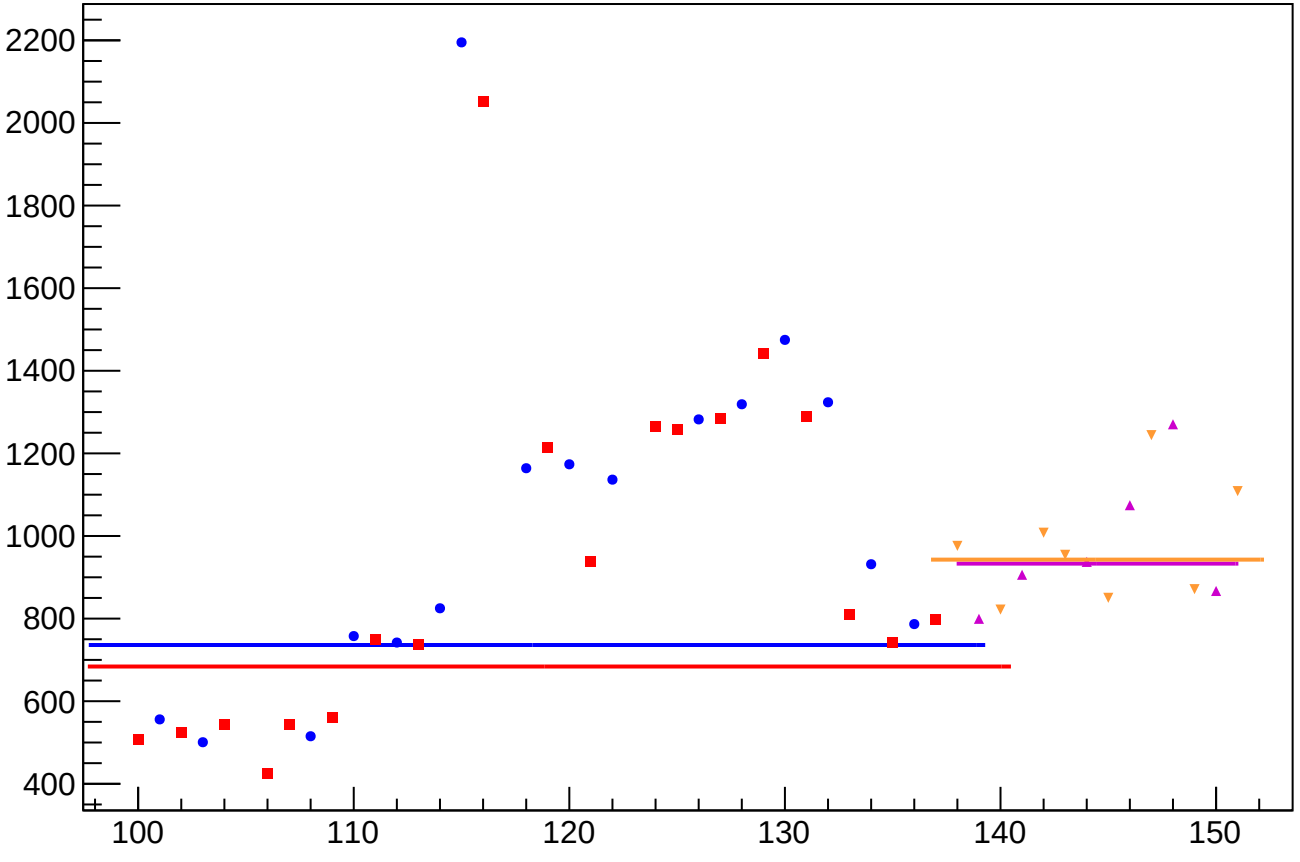
Left In: -518.153+/-413.954 χ^2/NDF:10.3/5

+ sign 1.313+/-233.237 χ^2/NDF: 16.3/23

All: -279.951+/-162.349 χ^2/NDF: 47.5/48

- sign -544.311+/-226.120 χ^2/NDF: 28.3/24

asym_sam5_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 942.777+/-0.272 χ^2/NDF:203280.9/7

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

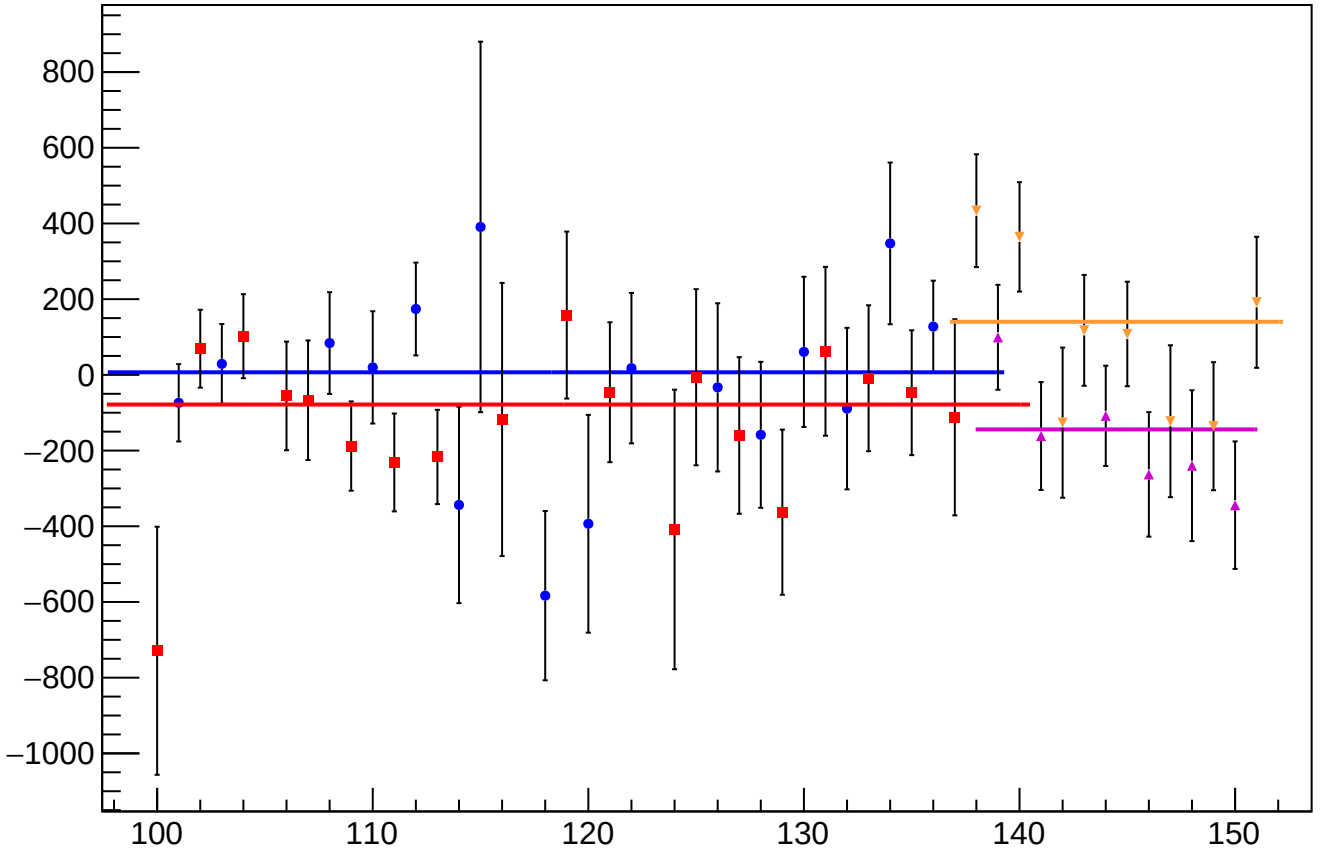
Left In: 933.124+/-0.293 χ^2/NDF:203520.1/5

+ sign 812.225+/-0.165 χ^2/NDF: 2413240.5/23

All: 784.438+/-0.115 χ^2/NDF: 5030535.0/48

- sign 758.320+/-0.160 χ^2/NDF: 2562225.7/24

eigen_cor_asym_sam5_mean vs Slug



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 140.275+/-56.740 χ^2/NDF:12.6/7

Right Out: -78.347+/-37.909 χ^2/NDF: 16.7/18

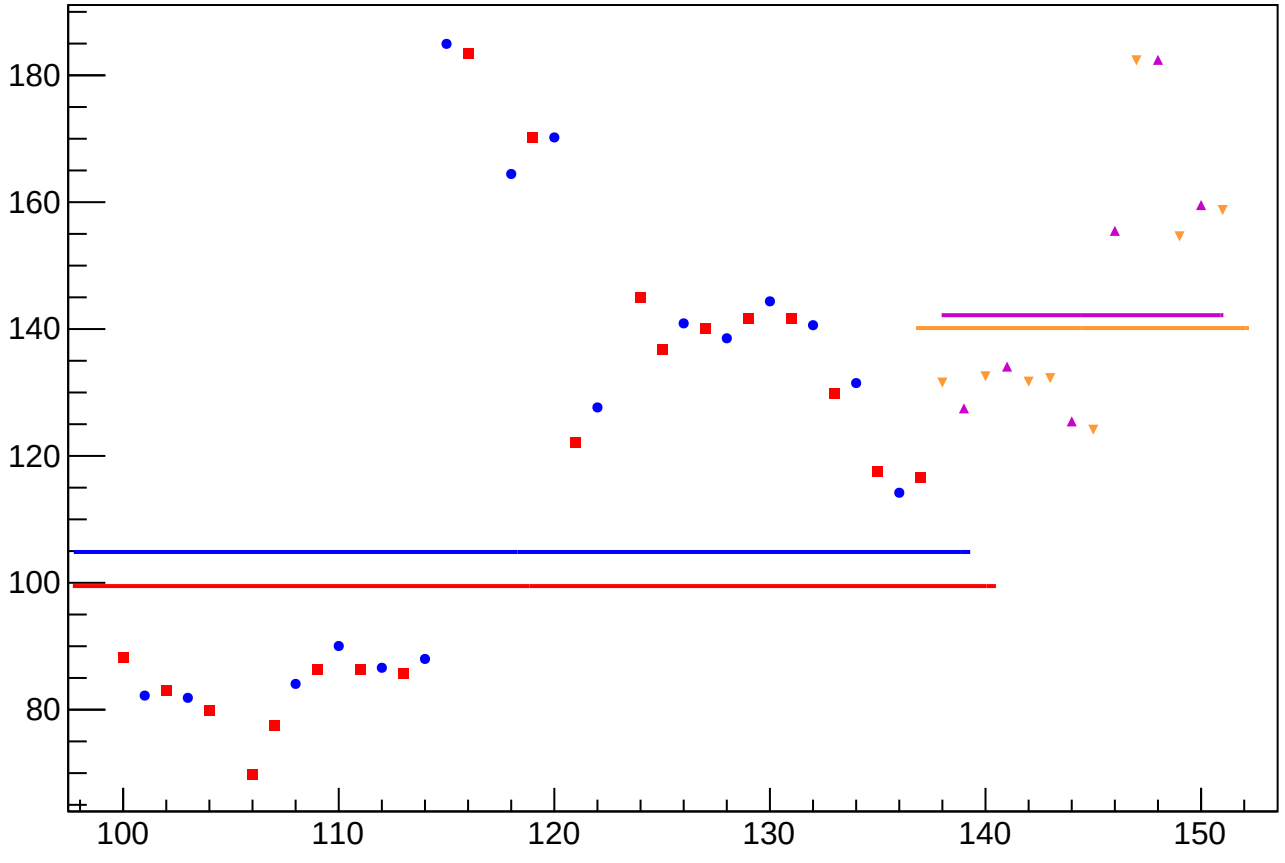
Left In: -144.107+/-62.544 χ^2/NDF:5.3/5

+ sign 51.633+/-32.885 χ^2/NDF: 35.1/23

All: -23.245+/-23.086 χ^2/NDF: 68.2/48

- sign -96.015+/-32.419 χ^2/NDF: 22.8/24

eigen_cor_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 140.152+/-0.040 χ^2/NDF:174737.7/7

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

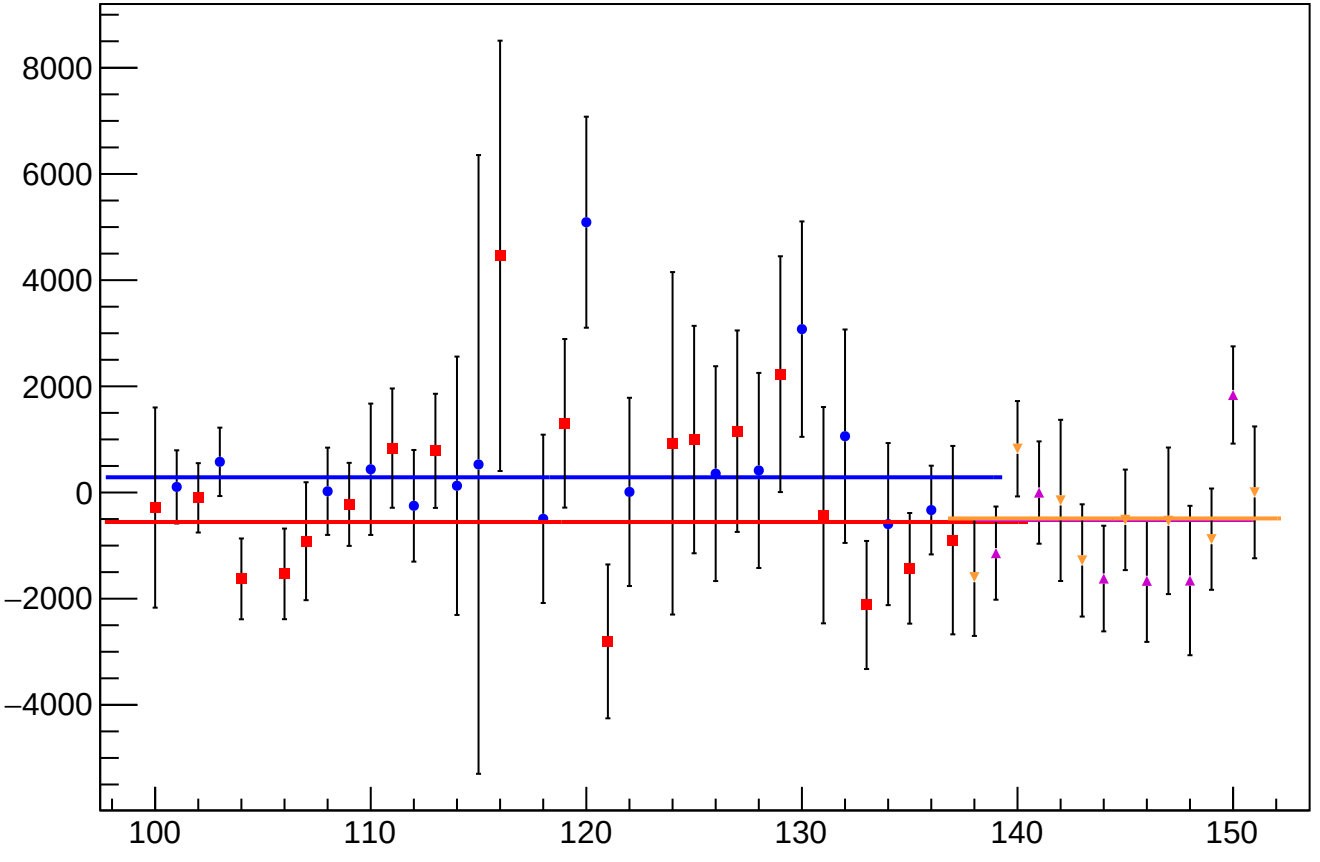
Left In: 142.187+/-0.044 χ^2/NDF:176810.5/5

+ sign 116.714+/-0.023 χ^2/NDF: 1619831.1/23

All: 113.794+/-0.016 χ^2/NDF: 3550808.0/48

- sign 110.957+/-0.023 χ^2/NDF: 1899884.5/24

asym_sam5_eigen_cor_correction_mean vs Slug



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -488.385+/-384.282 χ^2/NDF:4.1/7

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

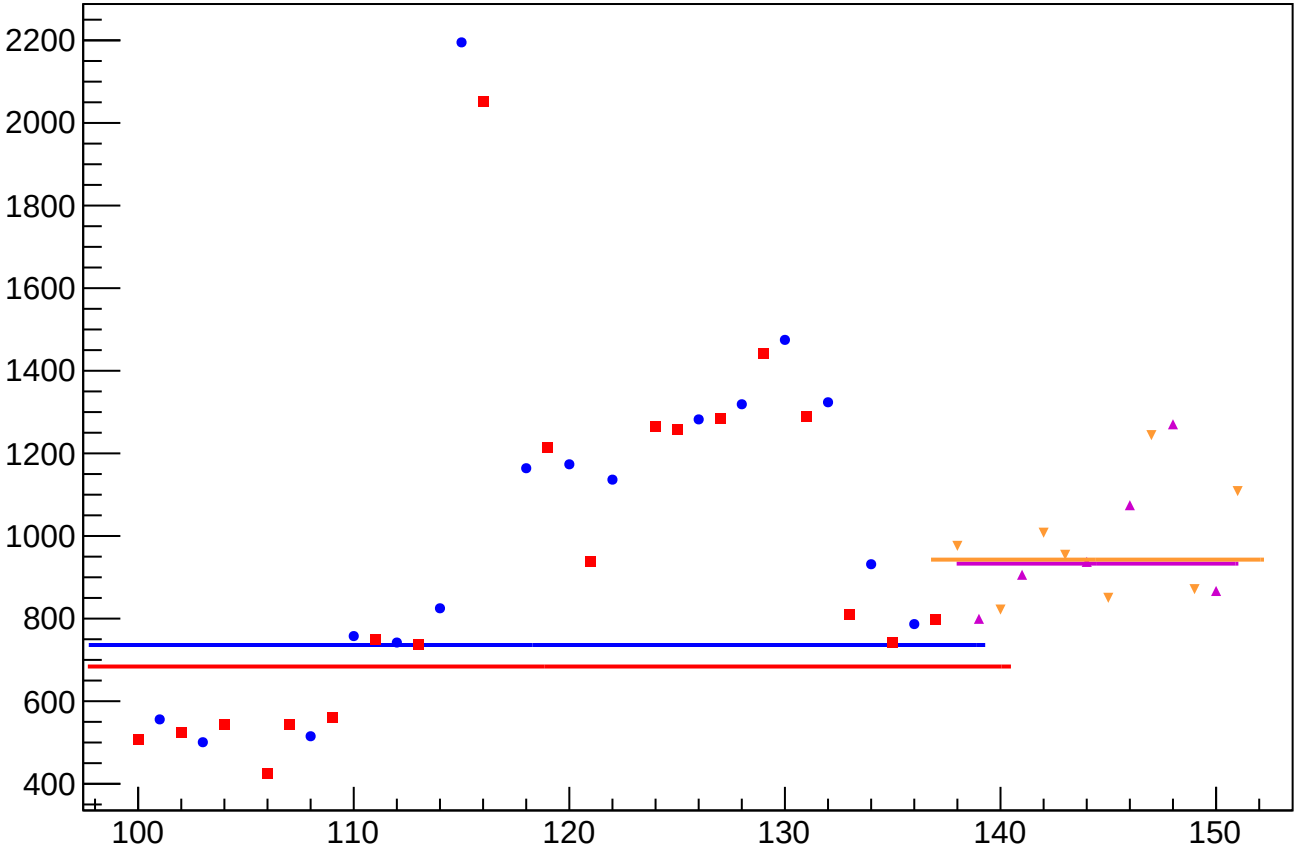
Left In: -518.153+/-413.954 χ^2/NDF:10.3/5

+ sign 1.313+/-233.237 χ^2/NDF: 16.3/23

All: -279.951+/-162.349 χ^2/NDF: 47.5/48

- sign -544.311+/-226.120 χ^2/NDF: 28.3/24

asym_sam5_eigen_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 942.777+/-0.272 χ^2/NDF:203280.9/7

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

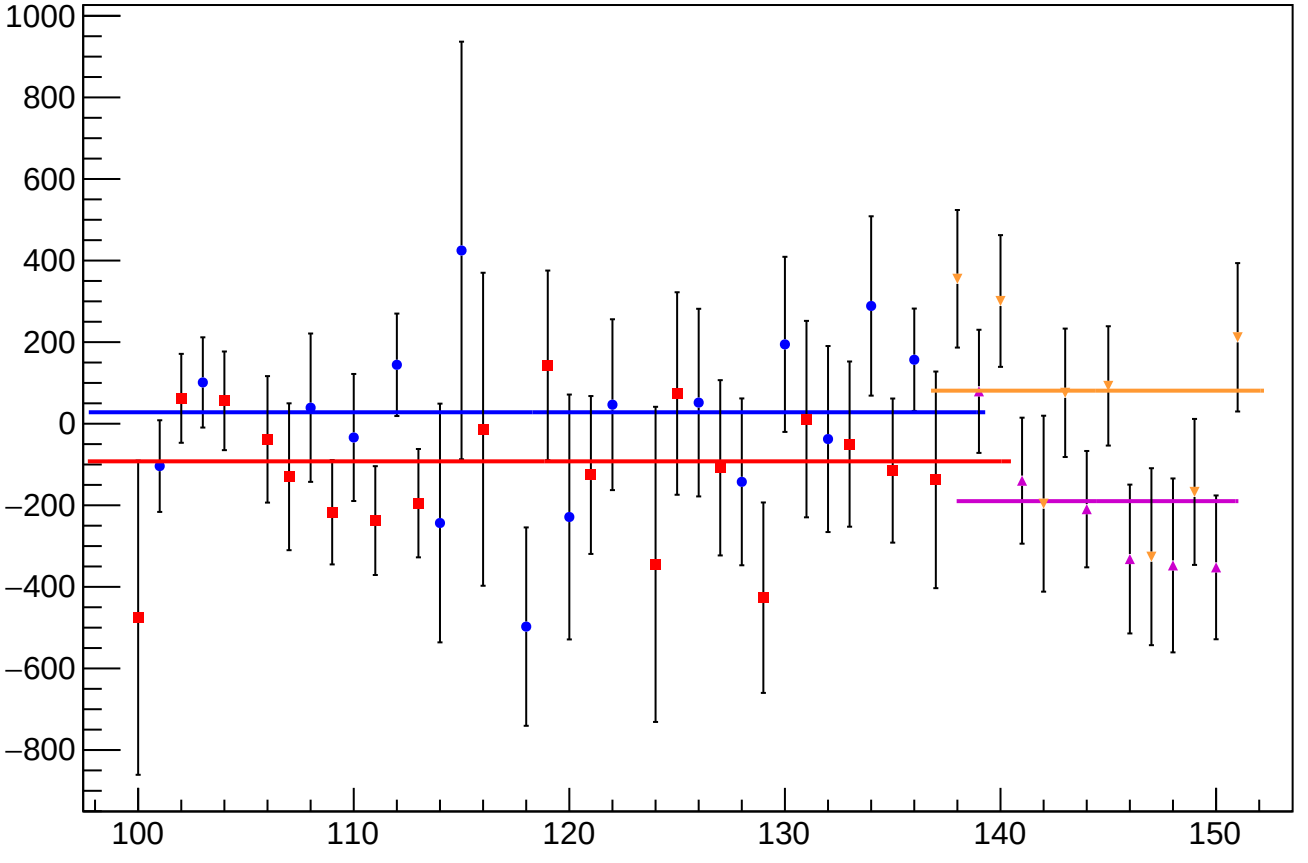
Left In: 933.124+/-0.293 χ^2/NDF:203520.1/5

+ sign 812.225+/-0.165 χ^2/NDF: 2413240.5/23

All: 784.438+/-0.115 χ^2/NDF: 5030535.0/48

- sign 758.320+/-0.160 χ^2/NDF: 2562225.7/24

dit_asym_sam5_mean vs Slug



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 81.037+/-61.457 χ^2/NDF:12.1/7

Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

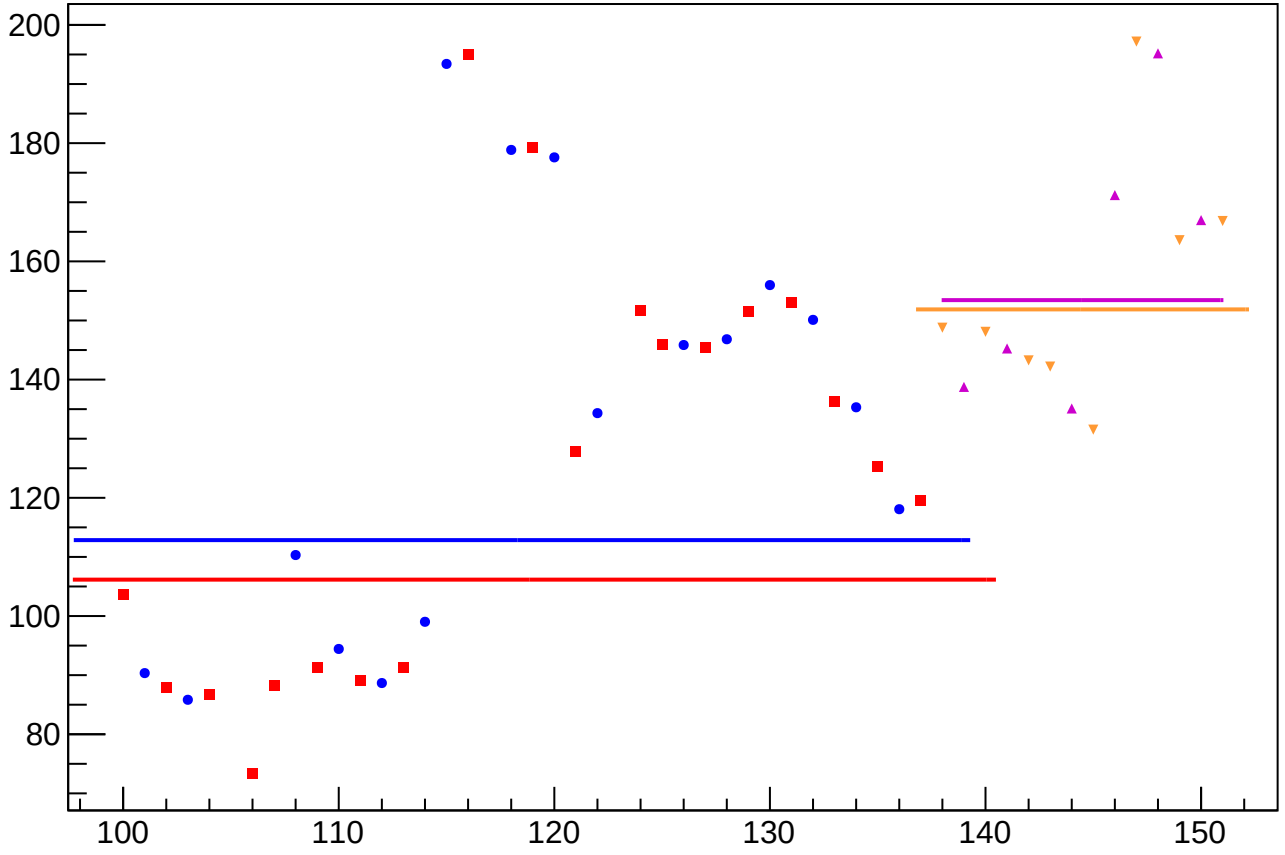
Left In: -189.830+/-67.547 χ^2/NDF:5.3/5

\+ sign 45.732+/-35.473 χ^2/NDF: 26.2/23

All: -37.841+/-24.827 χ^2/NDF: 55.6/48

\- sign -118.087+/-34.759 χ^2/NDF: 18.5/24

dit_asym_sam5_rms vs Slug



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 151.874+/-0.043 χ^2/NDF:160521.7/7

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

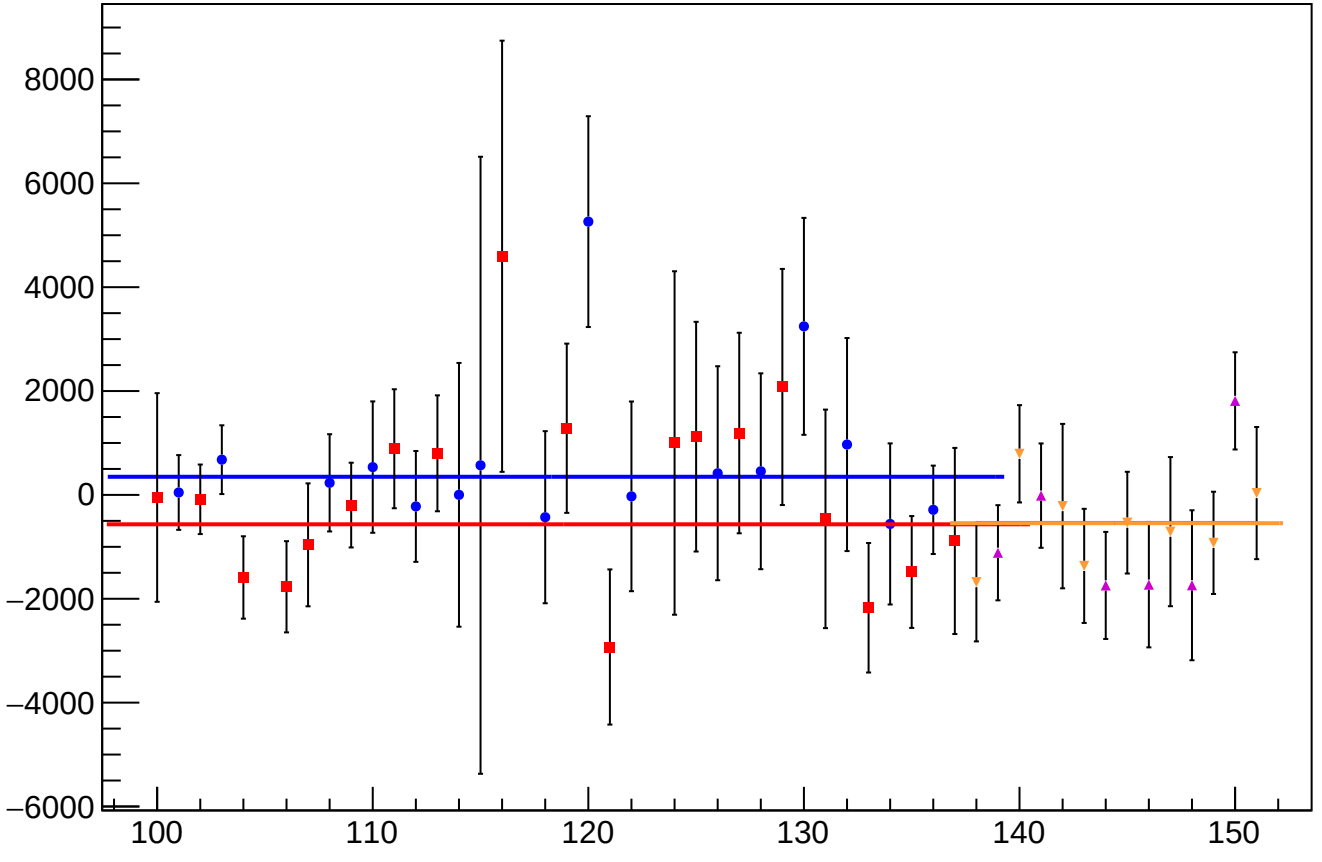
Left In: 153.445+/-0.048 χ^2/NDF:165018.7/5

+ sign 125.846+/-0.025 χ^2/NDF: 1570707.5/23

All: 122.190+/-0.018 χ^2/NDF: 3500091.1/48

- sign 118.680+/-0.025 χ^2/NDF: 1887746.6/24

asym_sam5_dit_correction_mean vs Slug



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -544.653+/-398.048 χ^2/NDF:4.0/7

Right Out: -566.026+/-279.219 χ^2/NDF: 18.3/18

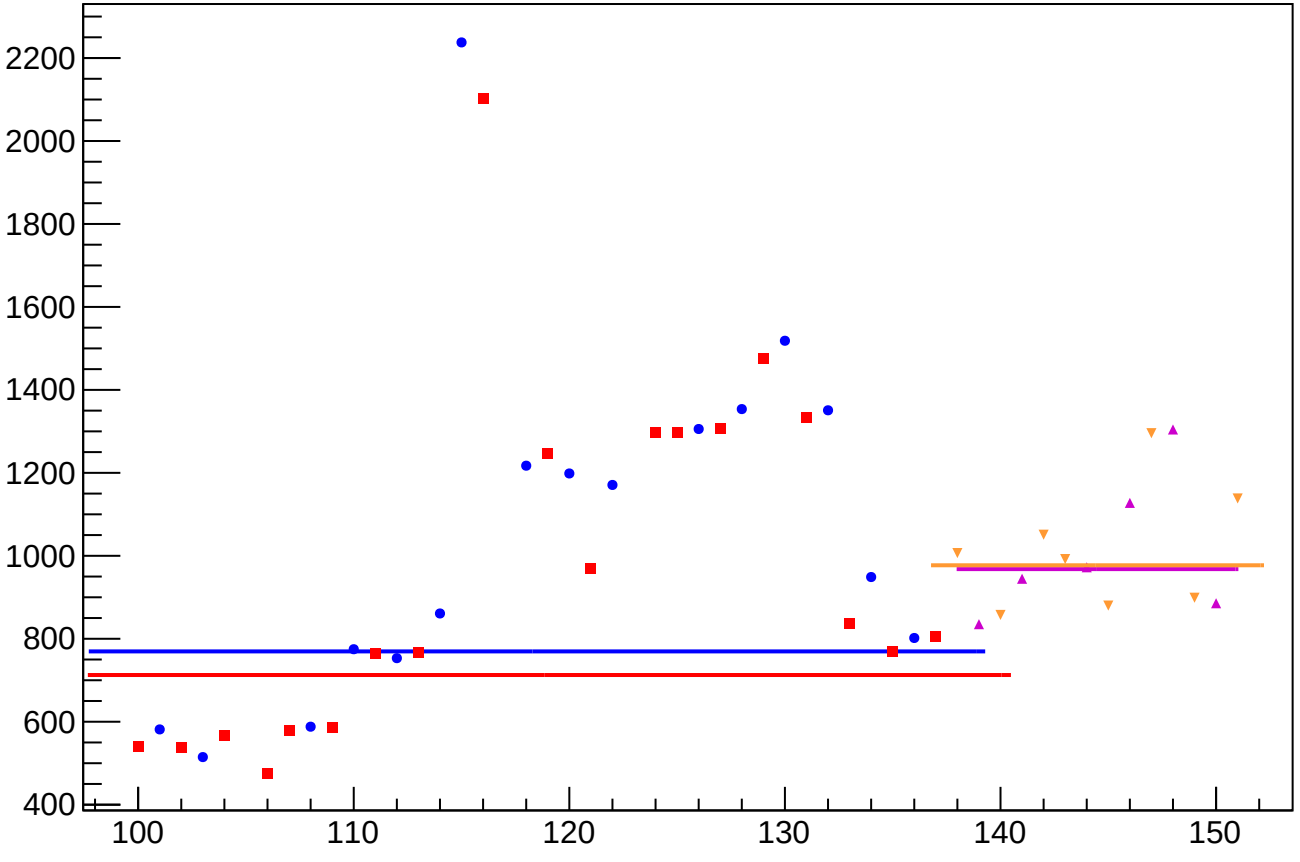
Left In: -540.227+/-429.159 χ^2/NDF:10.0/5

+ sign 18.034+/-242.264 χ^2/NDF: 17.0/23

All: -280.105+/-168.325 χ^2/NDF: 48.2/48

- sign -558.353+/-234.043 χ^2/NDF: 28.3/24

asym_sam5_dit_correction_rms vs Slug



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 977.170+/-0.281 χ^2/NDF:201422.0/7

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

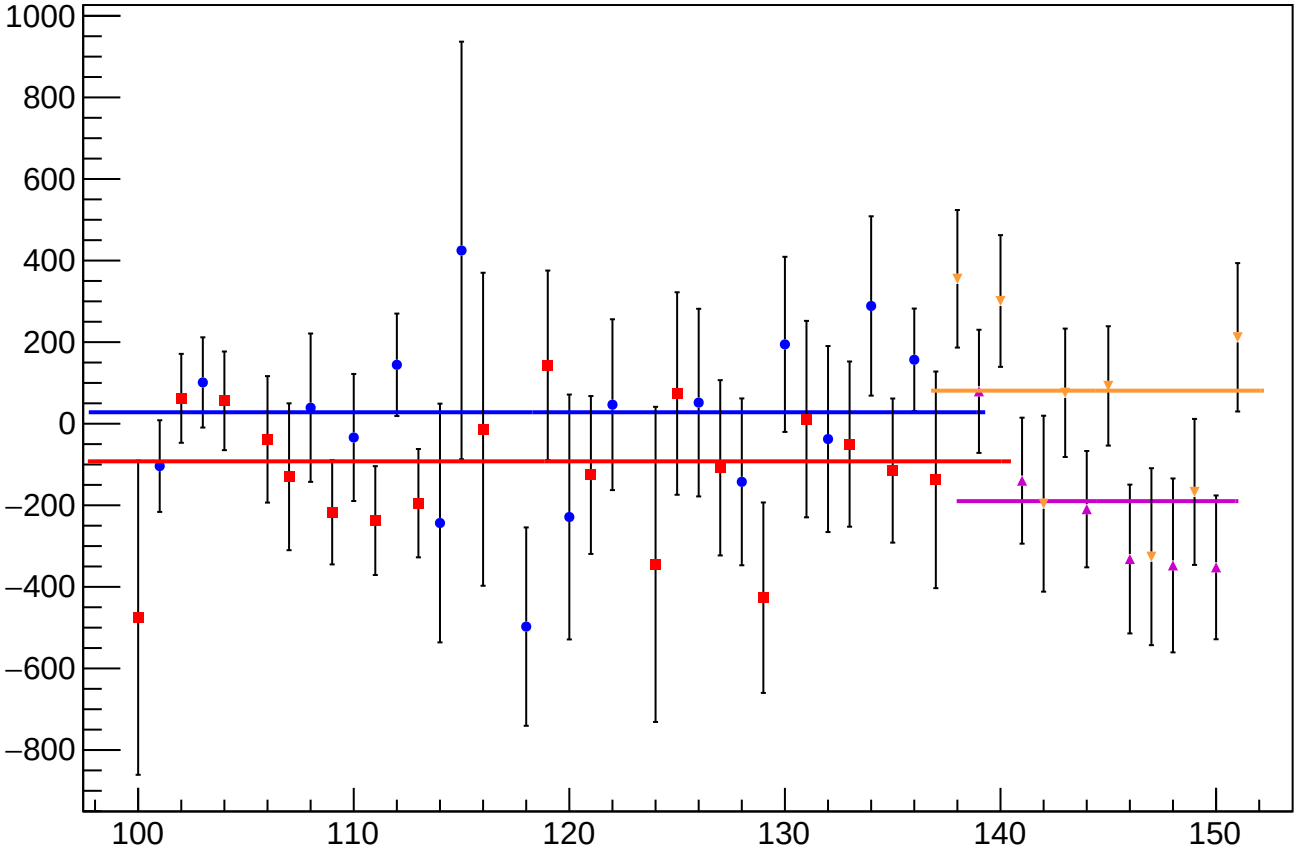
Left In: 967.948+/-0.303 χ^2/NDF:202193.7/5

+ sign 846.464+/-0.171 χ^2/NDF: 2283900.5/23

All: 816.514+/-0.119 χ^2/NDF: 4809765.0/48

- sign 788.563+/-0.165 χ^2/NDF: 2466773.0/24

eigen_dit_asym_sam5_mean vs Slug



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

Left Out: 81.038+/-61.457 χ^2/NDF:12.1/7

Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

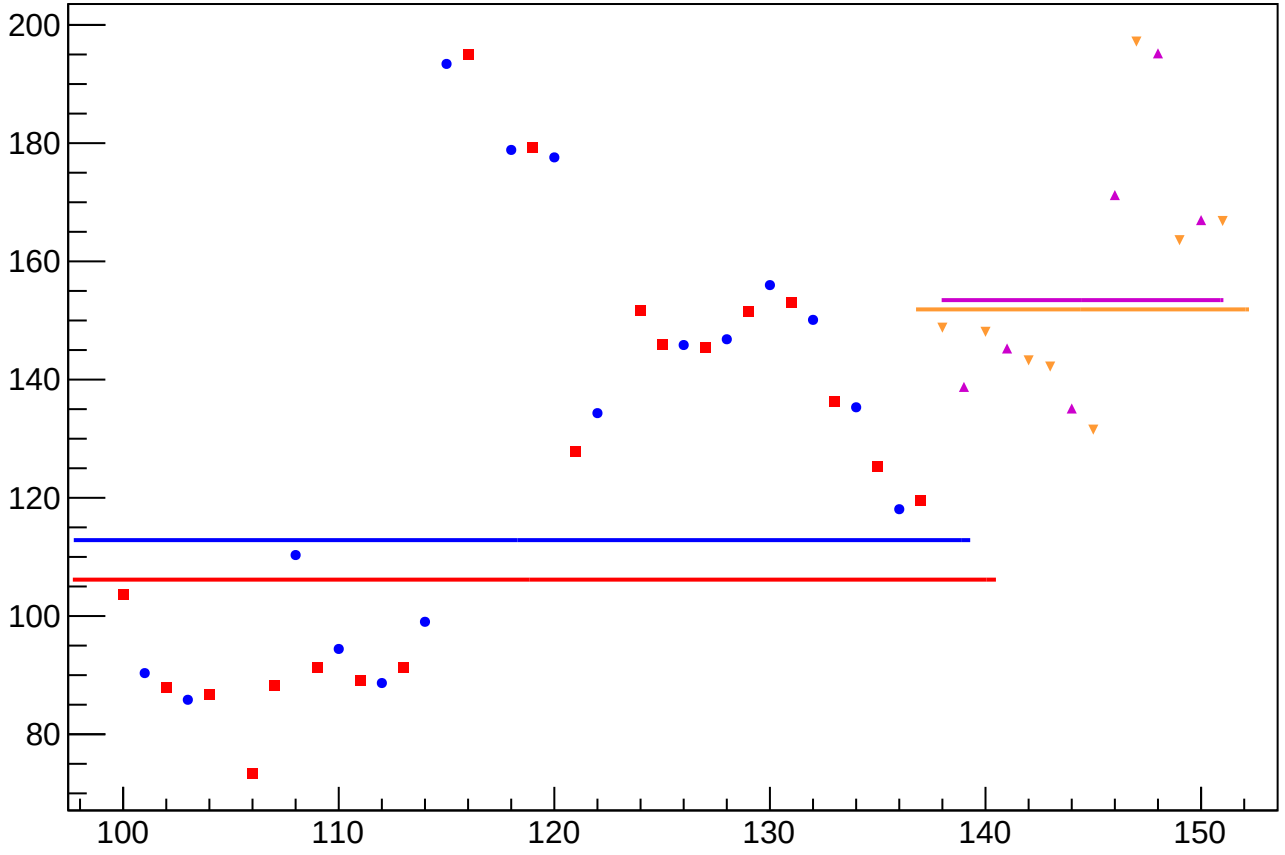
Left In: -189.832+/-67.548 χ^2/NDF:5.3/5

+ sign 45.731+/-35.472 χ^2/NDF: 26.2/23

All: -37.841+/-24.827 χ^2/NDF: 55.6/48

- sign -118.088+/-34.759 χ^2/NDF: 18.5/24

eigen_dit_asym_sam5_rms vs Slug



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 151.875+/-0.043 χ^2/NDF:160524.1/7

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

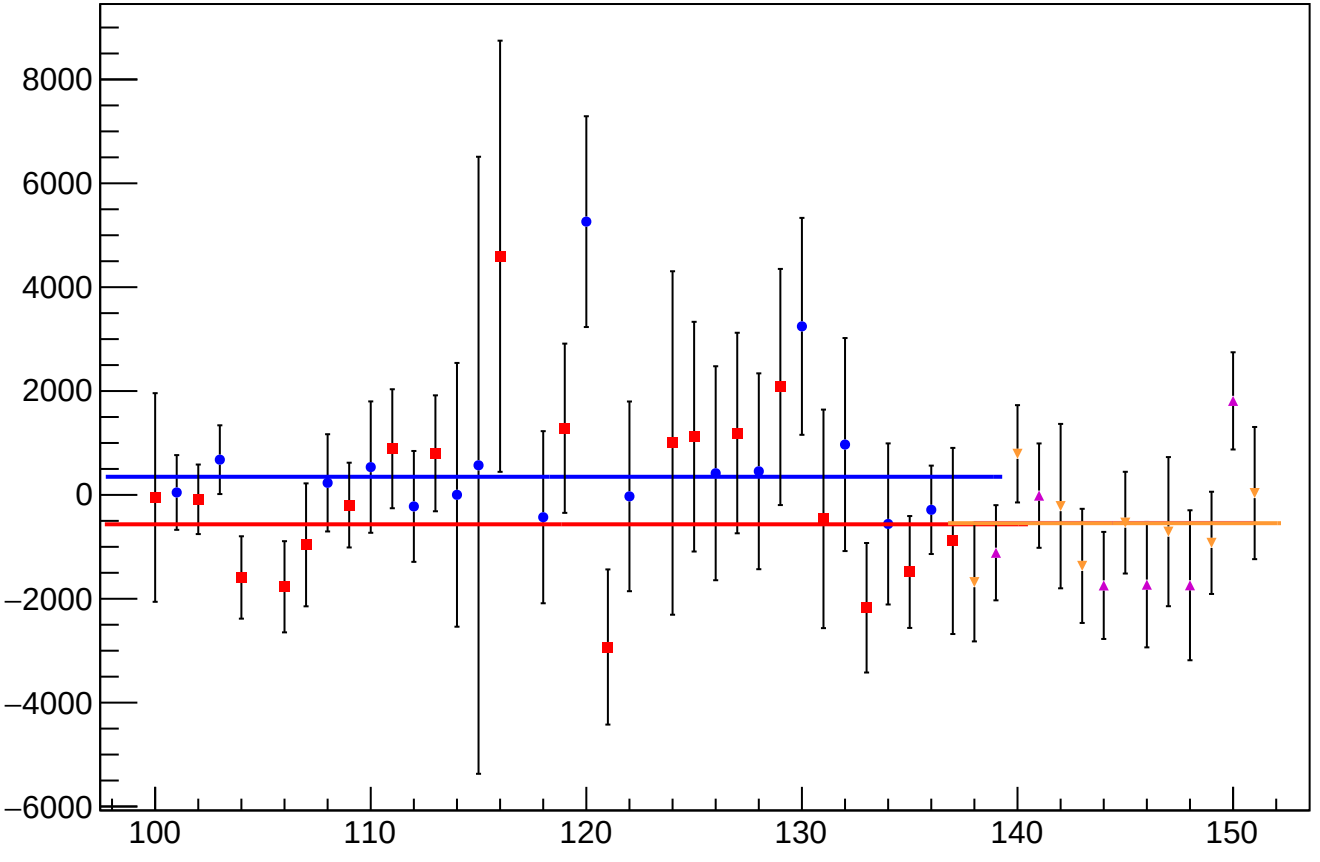
Left In: 153.445+/-0.048 χ^2/NDF:165018.7/5

+ sign 125.846+/-0.025 χ^2/NDF: 1570719.7/23

All: 122.190+/-0.018 χ^2/NDF: 3500111.4/48

- sign 118.680+/-0.025 χ^2/NDF: 1887755.5/24

asym_sam5_eigen_dit_correction_mean vs Slug



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -544.653+/-398.048 χ^2/NDF:4.0/7

Right Out: -566.026+/-279.218 χ^2/NDF: 18.3/18

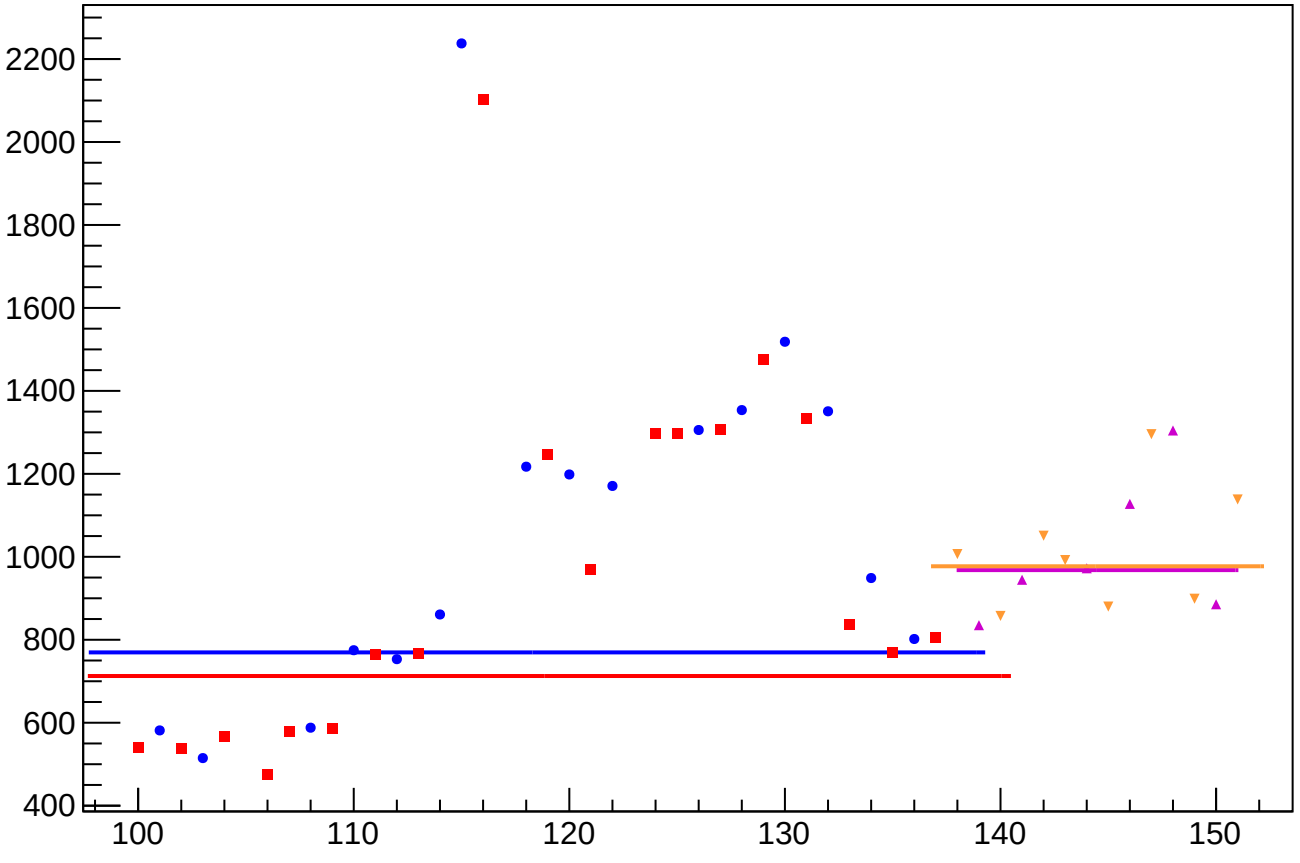
Left In: -540.229+/-429.160 χ^2/NDF:10.0/5

+ sign 18.035+/-242.264 χ^2/NDF: 17.0/23

All: -280.105+/-168.325 χ^2/NDF: 48.2/48

- sign -558.354+/-234.043 χ^2/NDF: 28.3/24

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 977.172+/-0.281 χ^2/NDF:201421.7/7

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

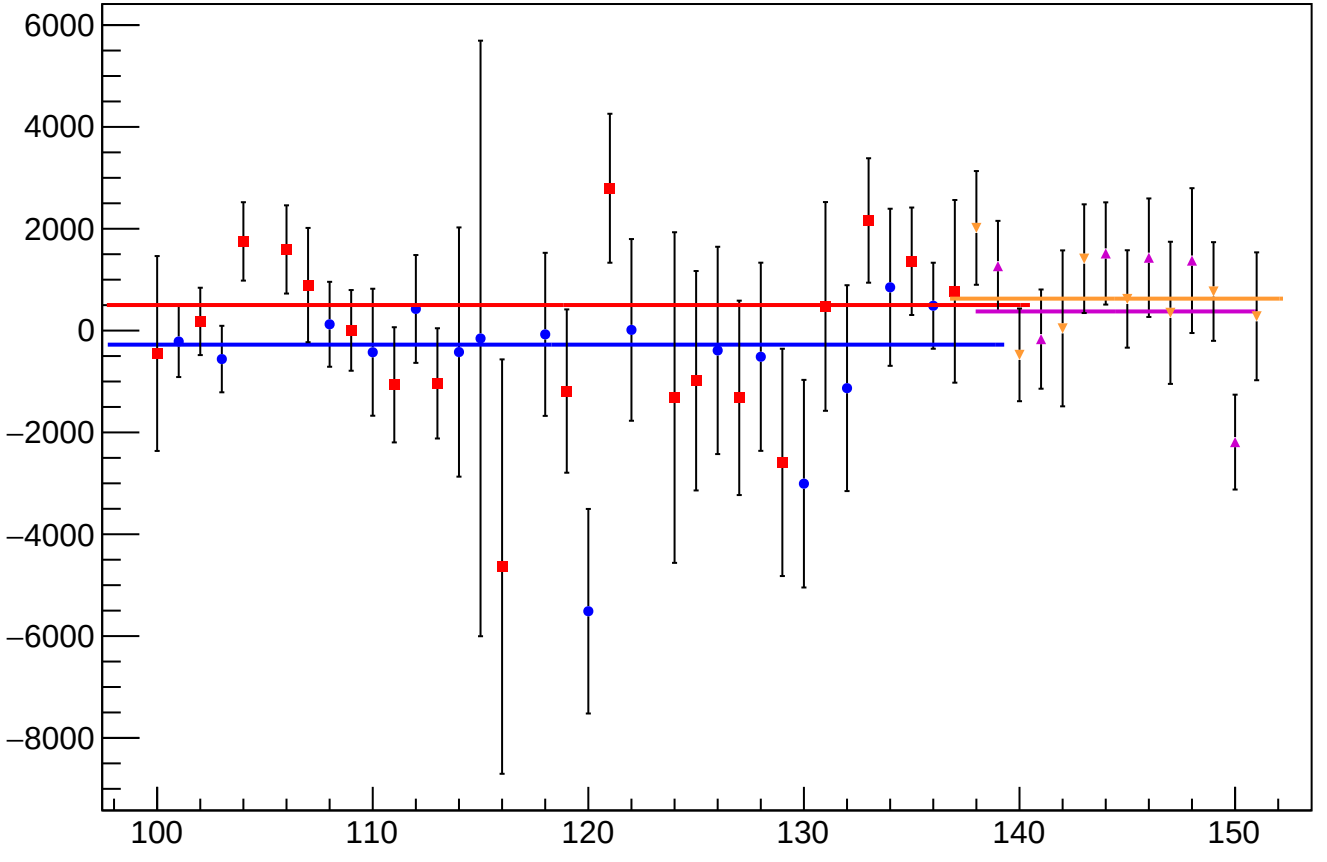
Left In: 967.950+/-0.303 χ^2/NDF:202193.6/5

+ sign 846.463+/-0.171 χ^2/NDF: 2283906.5/23

All: 816.514+/-0.119 χ^2/NDF: 4809776.0/48

- sign 788.562+/-0.165 χ^2/NDF: 2466777.8/24

asym_sam5_mean vs Slug



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 627.405+/-388.731 χ^2/NDF:3.8/7

Right Out: 501.985+/-272.991 χ^2/NDF: 20.5/18

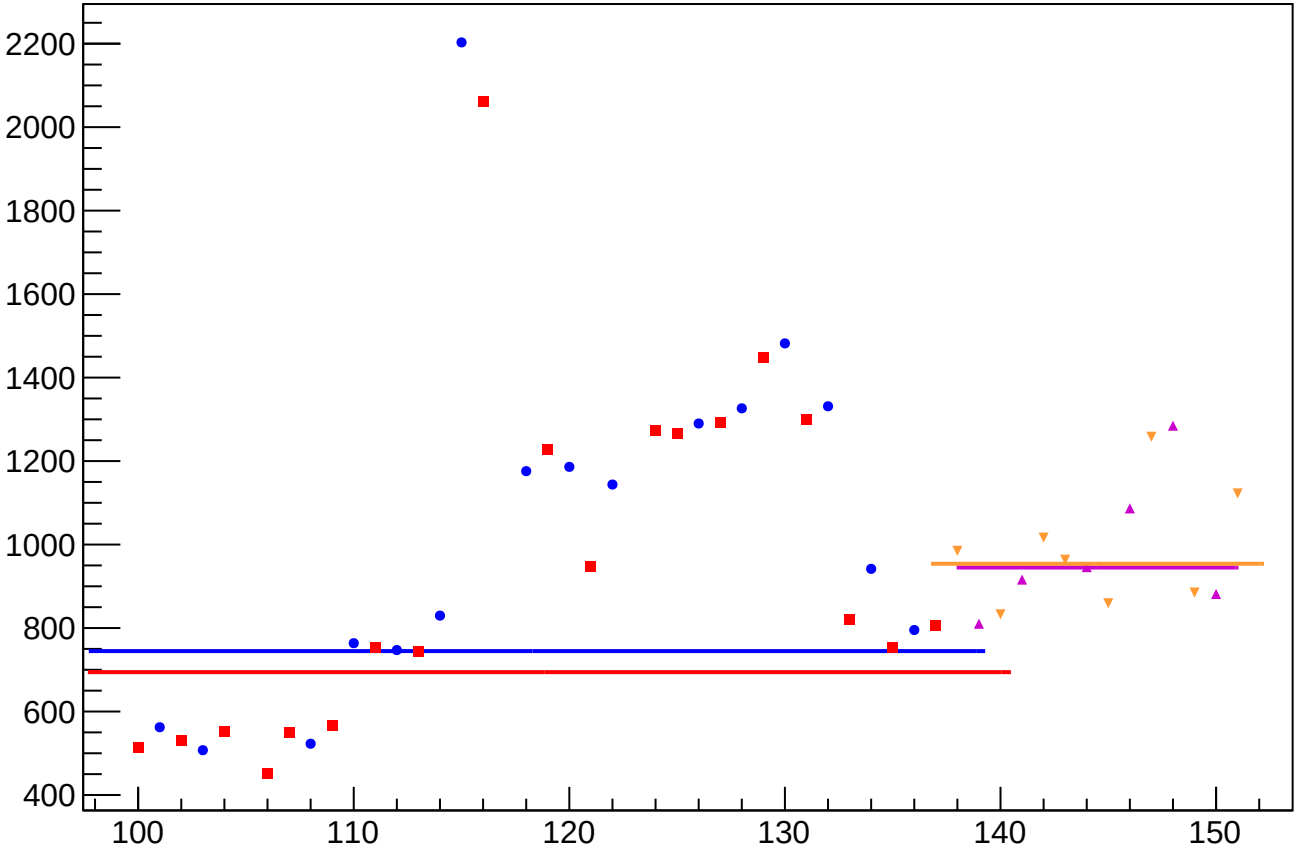
Left In: 375.870+/-419.044 χ^2/NDF:11.5/5

+ sign 56.439+/-235.855 χ^2/NDF: 18.3/23

All: 266.676+/-164.199 χ^2/NDF: 51.9/48

- sign 464.409+/-228.735 χ^2/NDF: 32.0/24

asym_sam5_rms vs Slug



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 953.985+/-0.275 χ^2/NDF:201181.3/7

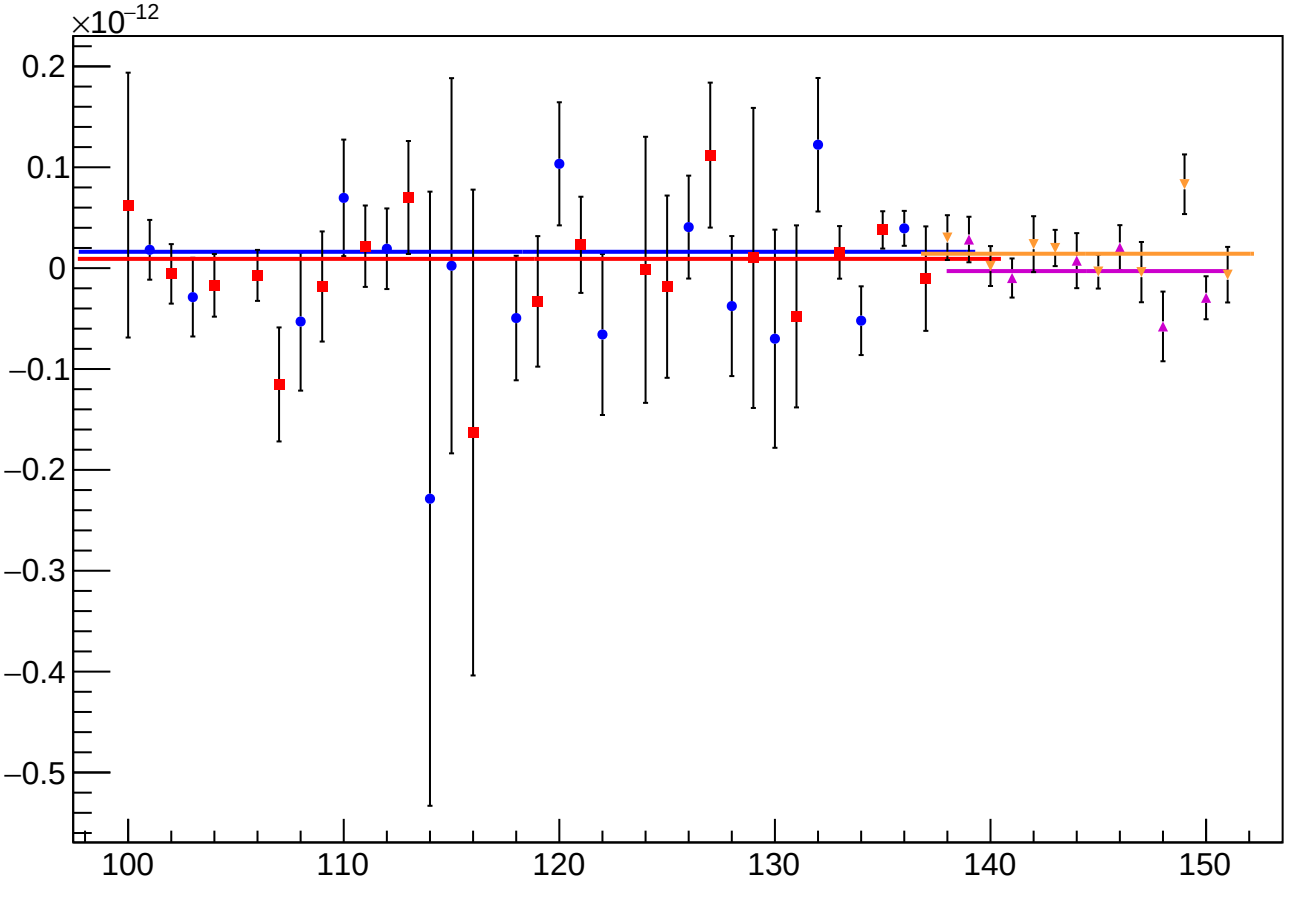
Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 944.970+/-0.296 χ^2/NDF:200612.5/5

+ sign 821.795+/-0.167 χ^2/NDF: 2389749.8/23

All: 794.599+/-0.116 χ^2/NDF: 4947950.9/48

- sign 769.021+/-0.162 χ^2/NDF: 2506599.7/24



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.6/7

Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

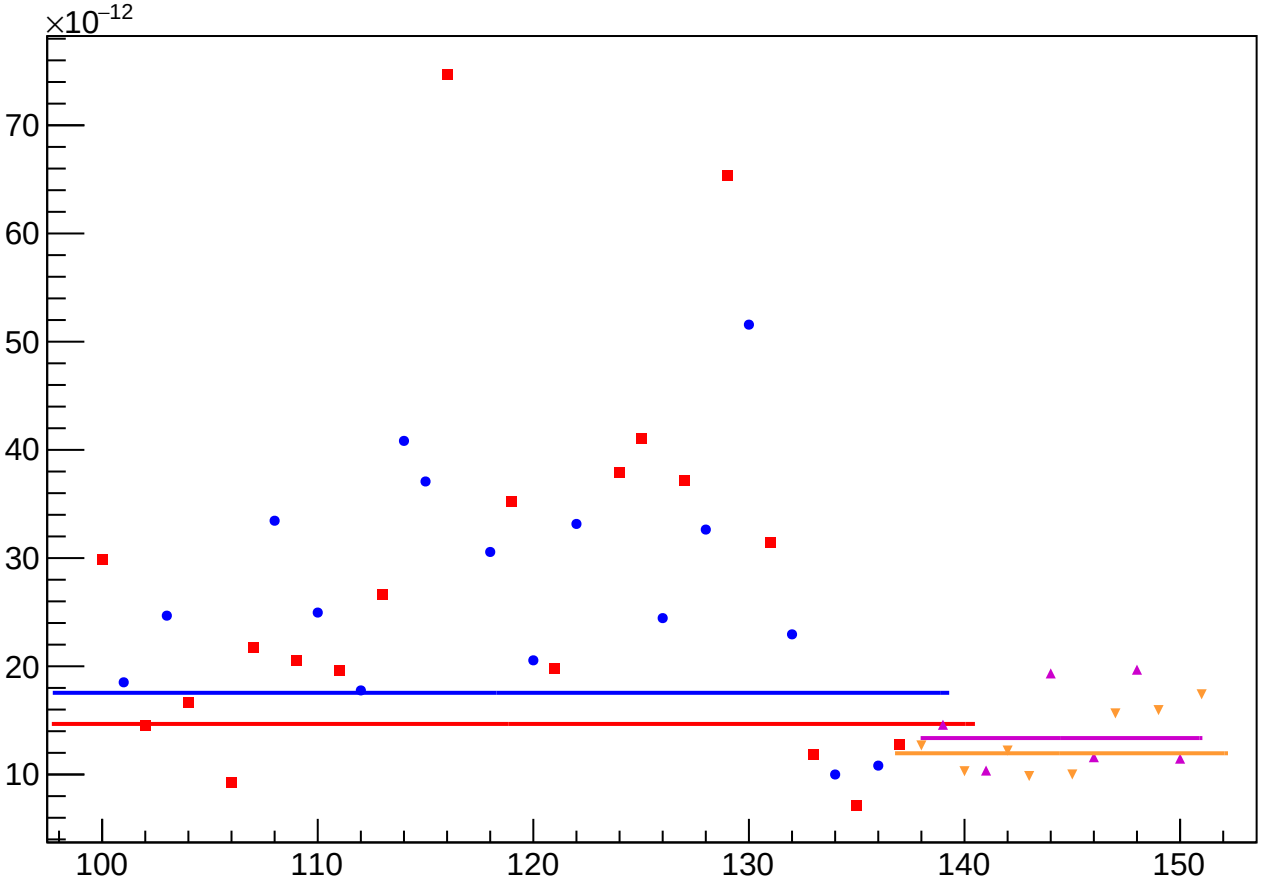
Left In: -0.000+/-0.000 χ^2/NDF:7.4/5

+ sign 0.000+/-0.000 χ^2/NDF: 26.6/23

All: 0.000+/-0.000 χ^2/NDF: 50.5/48

- sign 0.000+/-0.000 χ^2/NDF: 22.3/24

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:215921.7/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1741597.8/18

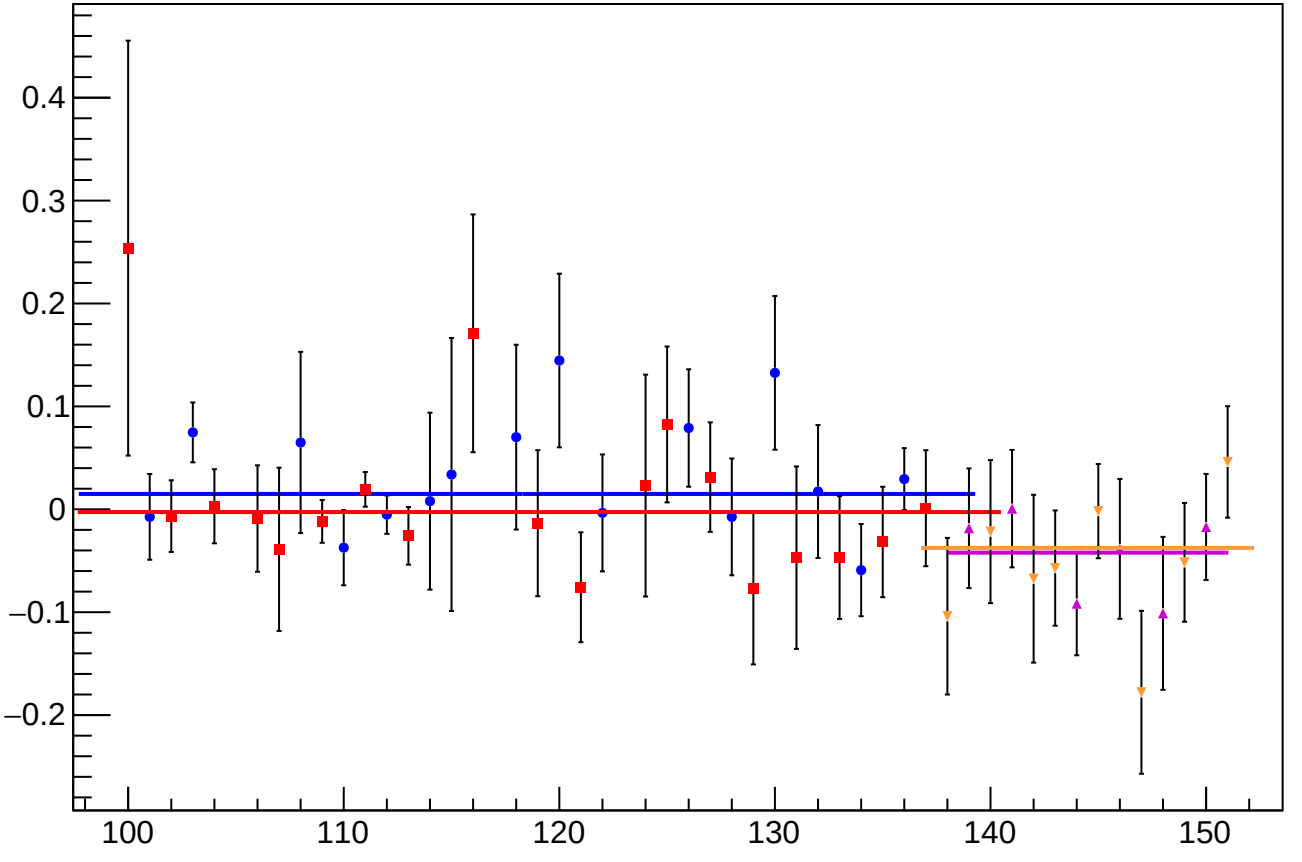
Left In: 0.000+/-0.000 χ^2/NDF:245344.9/5

+ sign 0.000+/-0.000 χ^2/NDF: 1726789.9/23

All: 0.000+/-0.000 χ^2/NDF: 3733076.5/48

- sign 0.000+/-0.000 χ^2/NDF: 2006058.0/24

asym_sam5_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.038+/-0.022 χ^2/NDF:7.3/7

Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

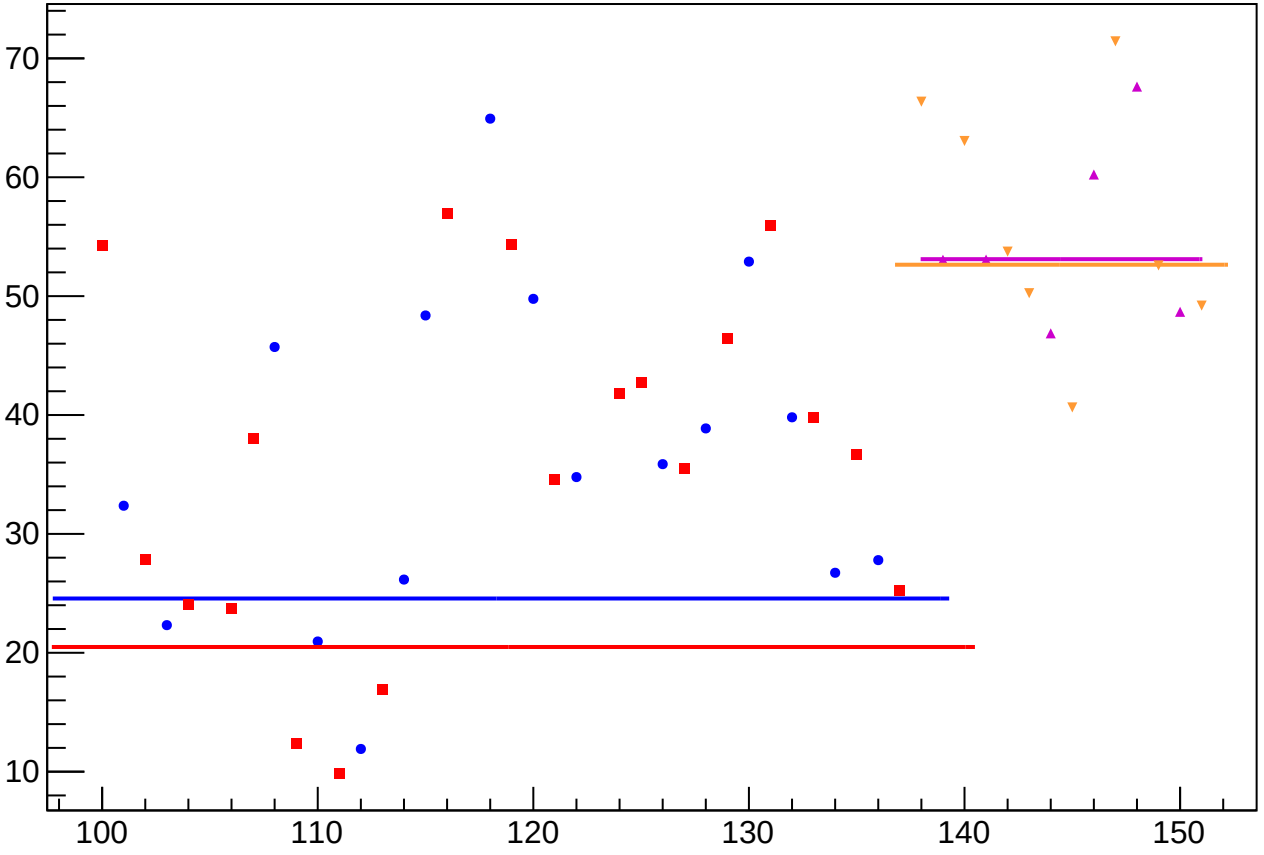
Left In: -0.042+/-0.024 χ^2/NDF:2.6/5

+ sign 0.005+/-0.010 χ^2/NDF: 29.8/23

All: -0.002+/-0.006 χ^2/NDF: 48.2/48

- sign -0.008+/-0.009 χ^2/NDF: 17.4/24

asym_sam5_dit_vs_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 52.643+/-0.015 χ^2/NDF:372106.9/7

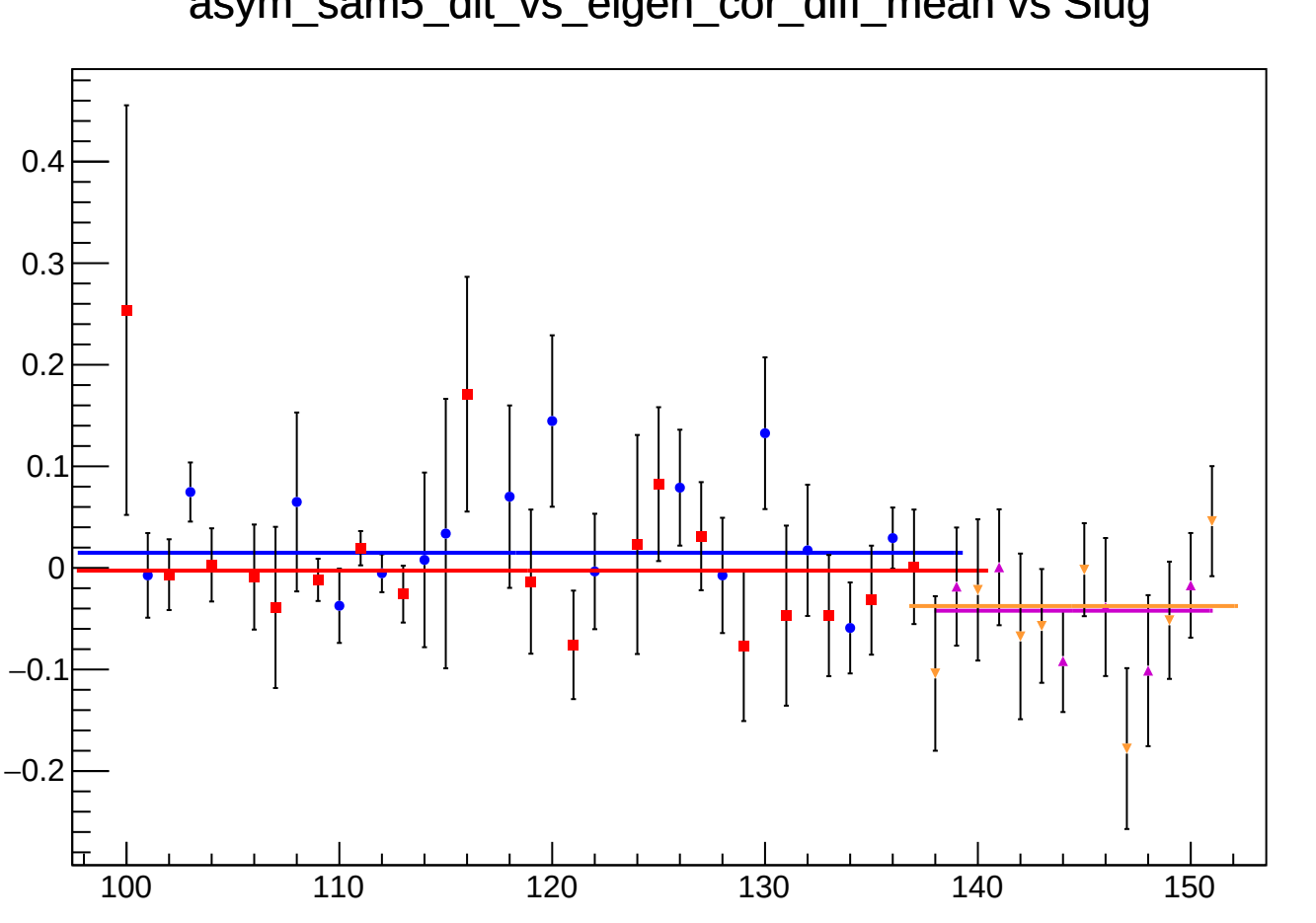
Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 53.110+/-0.017 χ^2/NDF:143937.0/5

+ sign 29.970+/-0.007 χ^2/NDF: 5564081.0/23

All: 27.108+/-0.005 χ^2/NDF: 12902308.9/48

- sign 24.769+/-0.006 χ^2/NDF: 7009175.8/24



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.038+/-0.022 χ^2/NDF:7.3/7

Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

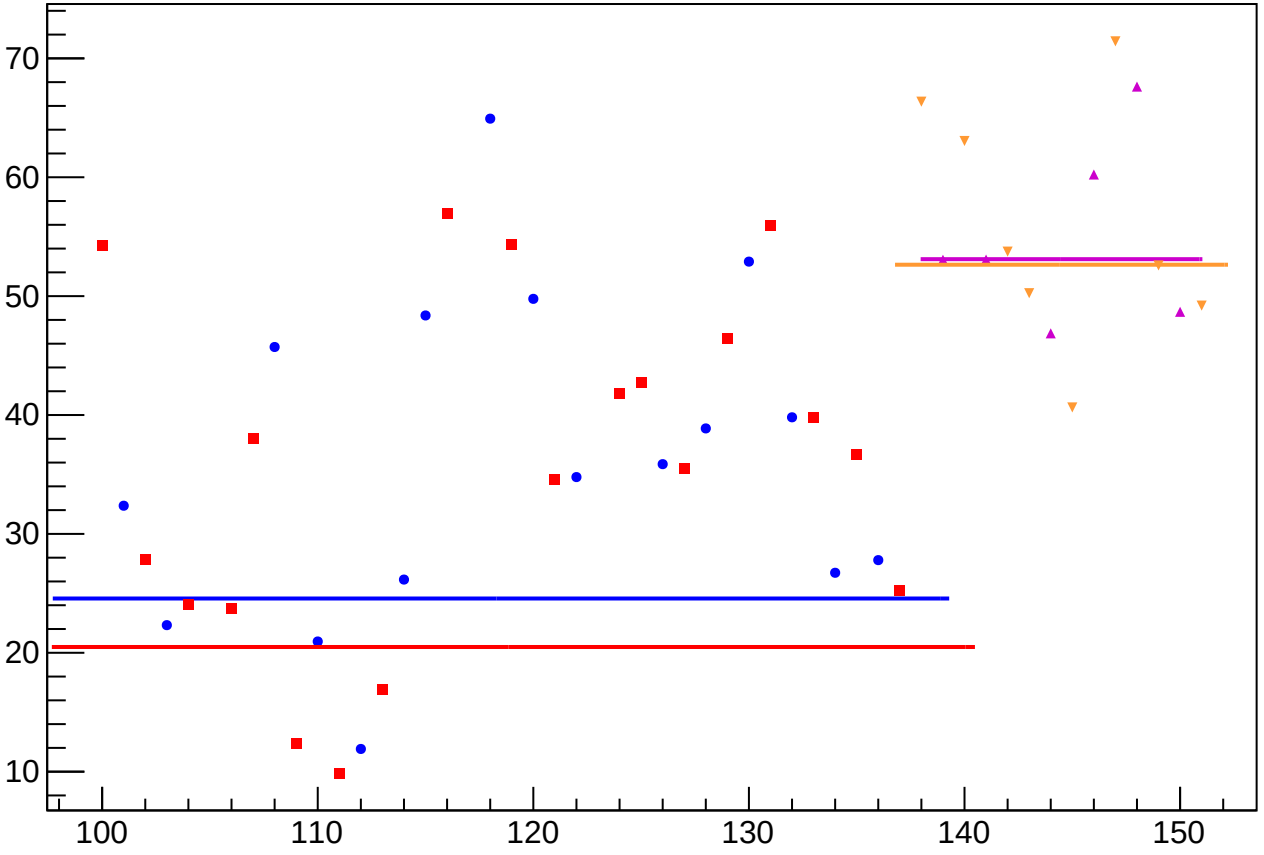
Left In: -0.042+/-0.024 χ^2/NDF:2.6/5

+ sign 0.005+/-0.010 χ^2/NDF: 29.8/23

All: -0.002+/-0.006 χ^2/NDF: 48.2/48

- sign -0.008+/-0.009 χ^2/NDF: 17.4/24

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 52.643+/-0.015 χ^2/NDF:372106.9/7

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

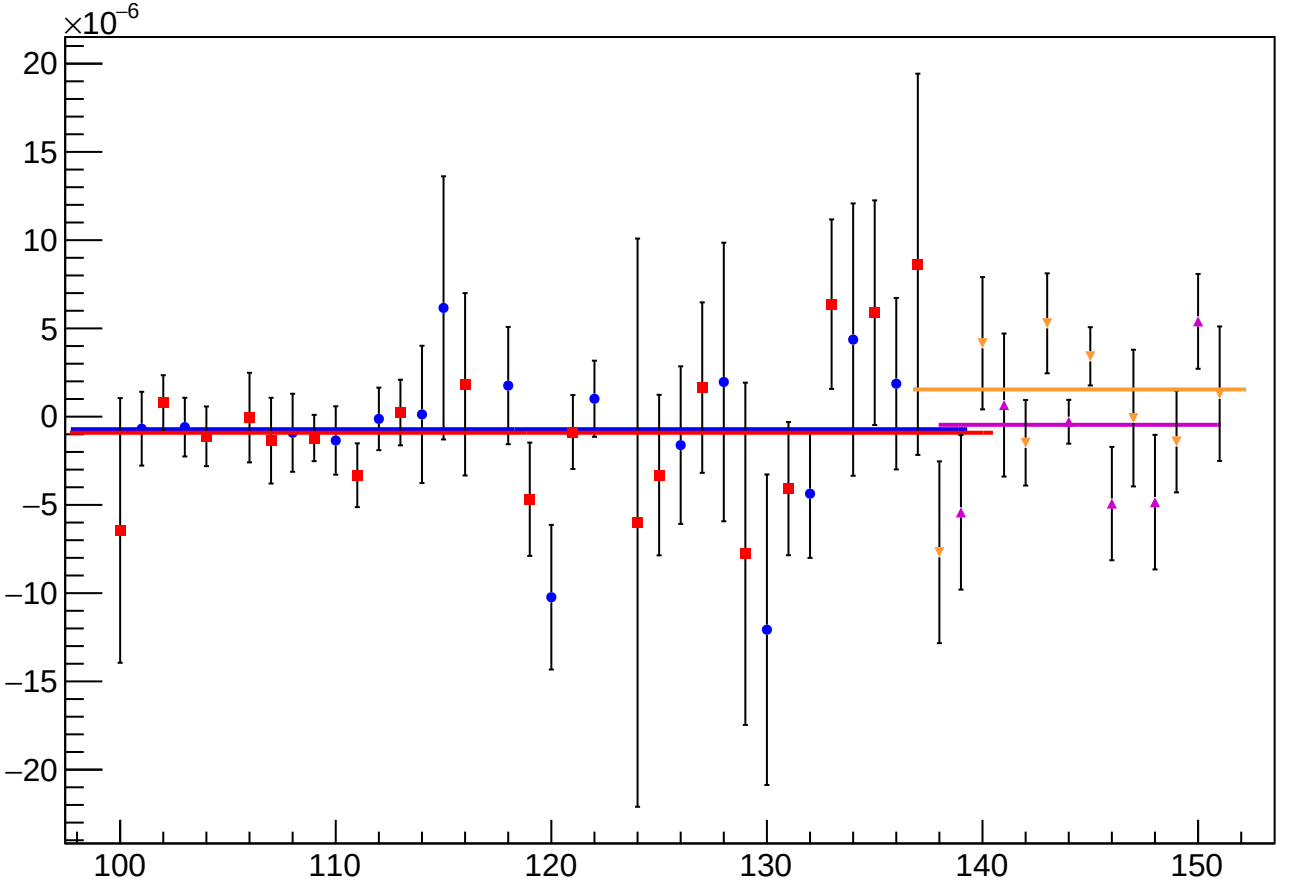
Left In: 53.110+/-0.017 χ^2/NDF:143937.0/5

+ sign 29.970+/-0.007 χ^2/NDF: 5564081.0/23

All: 27.108+/-0.005 χ^2/NDF: 12902308.9/48

- sign 24.769+/-0.006 χ^2/NDF: 7009175.8/24

asym_sam5_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:9.5/7

Right Out: -0.000+/-0.000 χ^2/NDF: 11.9/18

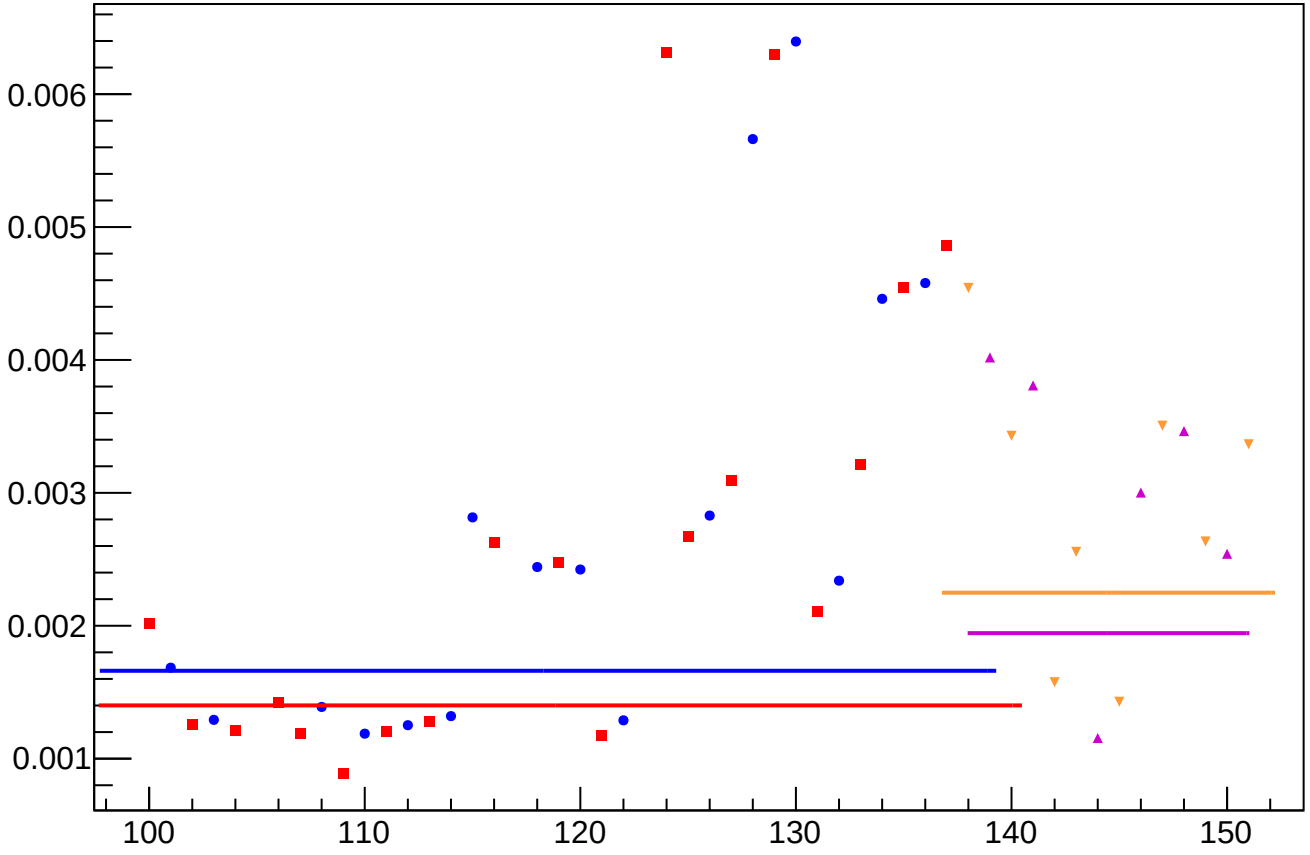
Left In: -0.000+/-0.000 χ^2/NDF:9.4/5

+ sign 0.000+/-0.000 χ^2/NDF: 24.3/23

All: -0.000+/-0.000 χ^2/NDF: 46.9/48

- sign -0.000+/-0.000 χ^2/NDF: 21.4/24

asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 2942035.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1685727.6/7

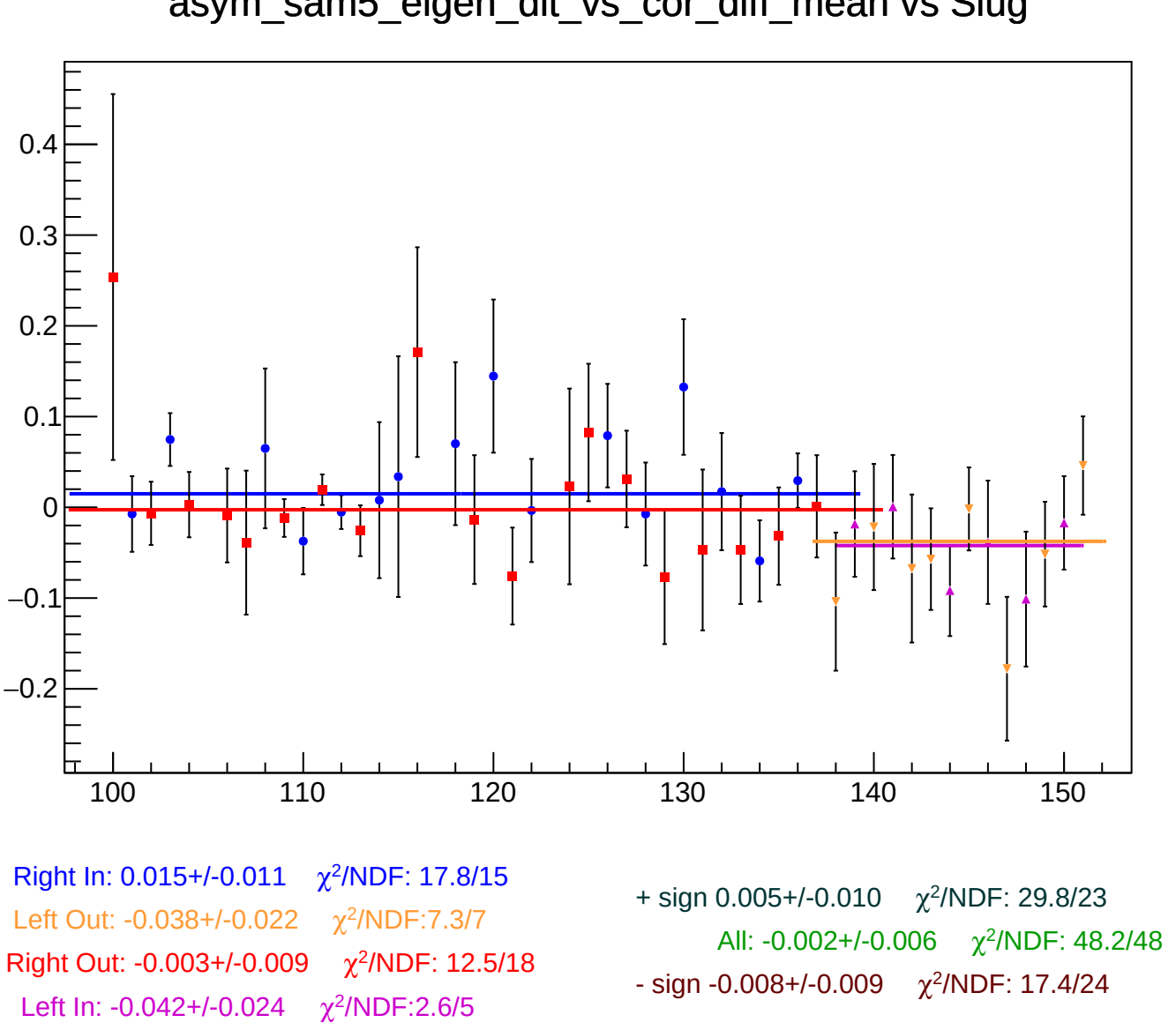
Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

Left In: 0.002+/-0.000 χ^2/NDF:2313648.1/5

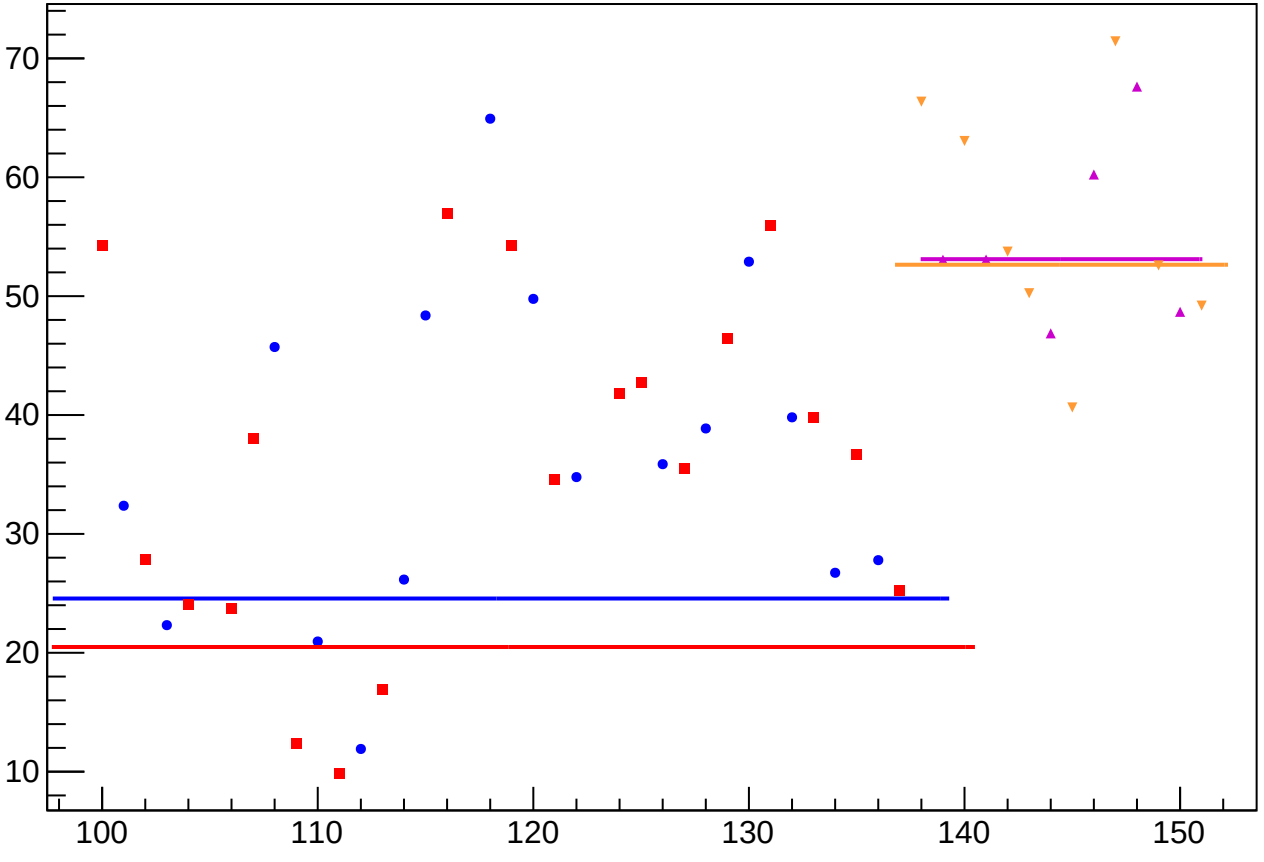
+ sign 0.002+/-0.000 χ^2/NDF: 5099680.3/23

All: 0.002+/-0.000 χ^2/NDF: 11124210.5/48

- sign 0.002+/-0.000 χ^2/NDF: 5690164.7/24


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
Right In: 0.015+/-0.011 χ²/NDF: 17.8/15
Left Out: -0.038+/-0.022 χ²/NDF:7.3/7
Right Out: -0.003+/-0.009 χ²/NDF: 12.5/18
Left In: -0.042+/-0.024 χ²/NDF:2.6/5
+ sign 0.005+/-0.010 χ²/NDF: 29.8/23
All: -0.002+/-0.006 χ²/NDF: 48.2/48
- sign -0.008+/-0.009 χ²/NDF: 17.4/24

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 52.643+/-0.015 χ^2/NDF:372164.4/7

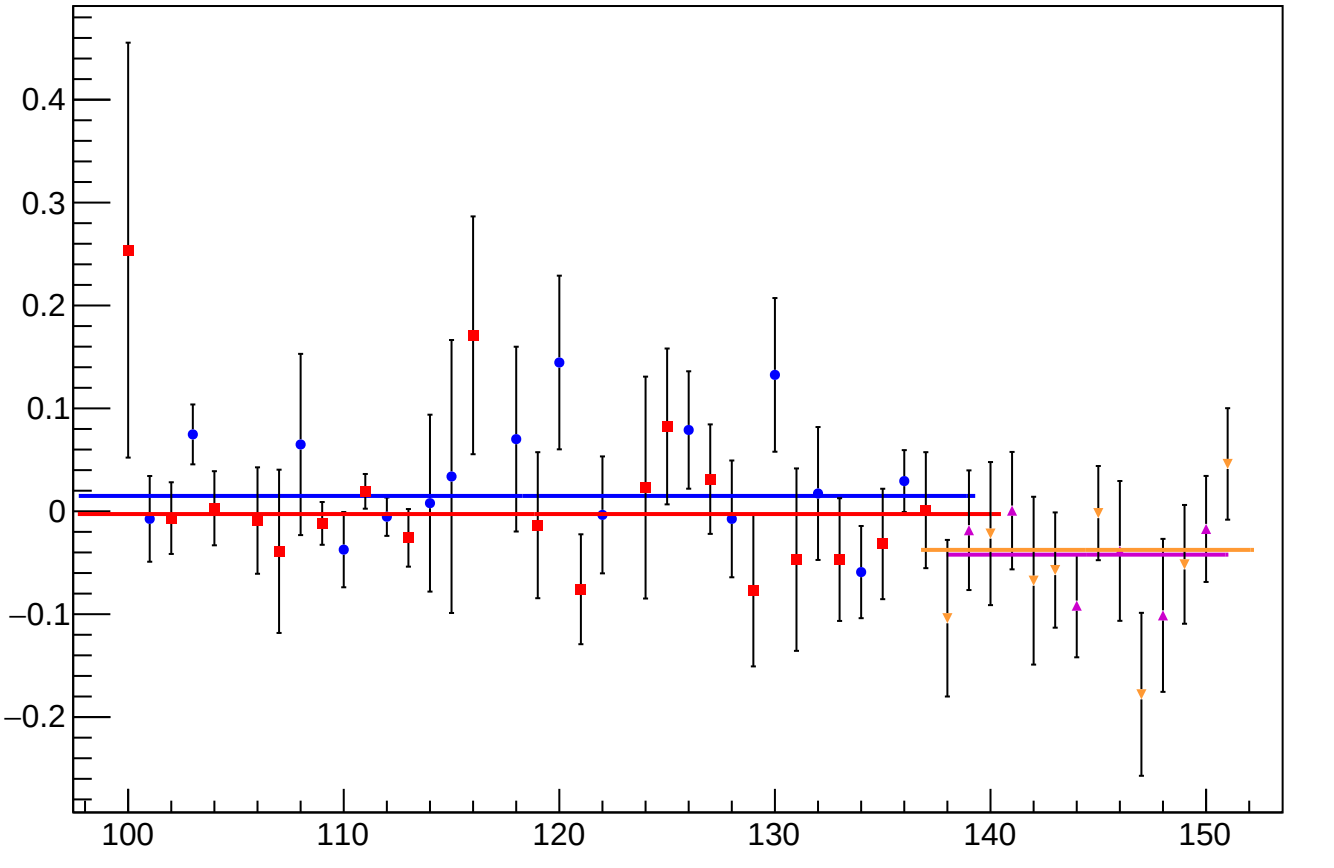
Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 53.111+/-0.017 χ^2/NDF:143953.6/5

+ sign 29.970+/-0.007 χ^2/NDF: 5564195.6/23

All: 27.107+/-0.005 χ^2/NDF: 12902654.2/48

- sign 24.768+/-0.006 χ^2/NDF: 7009390.9/24



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.038+/-0.022 χ^2/NDF:7.3/7

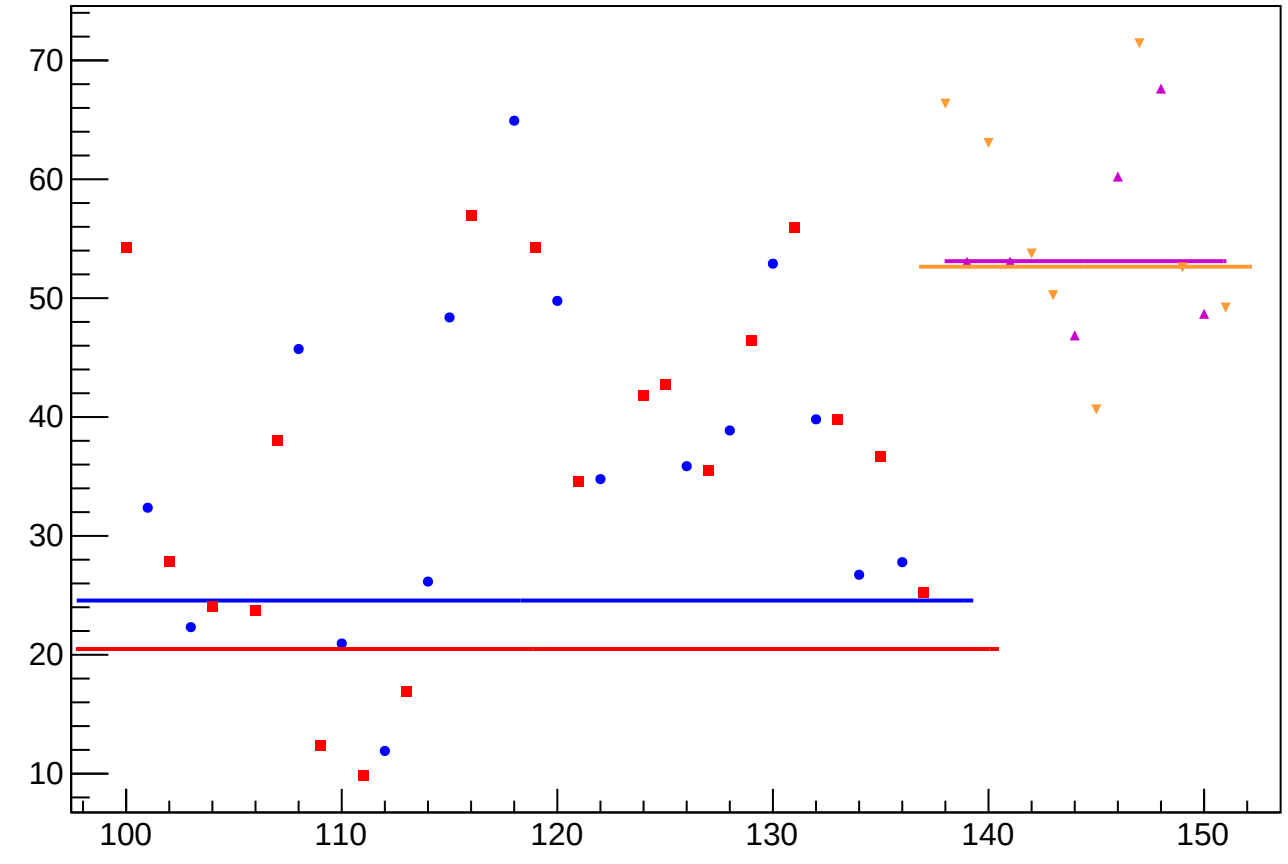
Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: -0.042+/-0.024 χ^2/NDF:2.6/5

+ sign 0.005+/-0.010 χ^2/NDF: 29.8/23

All: -0.002+/-0.006 χ^2/NDF: 48.2/48

- sign -0.008+/-0.009 χ^2/NDF: 17.4/24



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 52.643+/-0.015 χ^2/NDF:372164.4/7

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

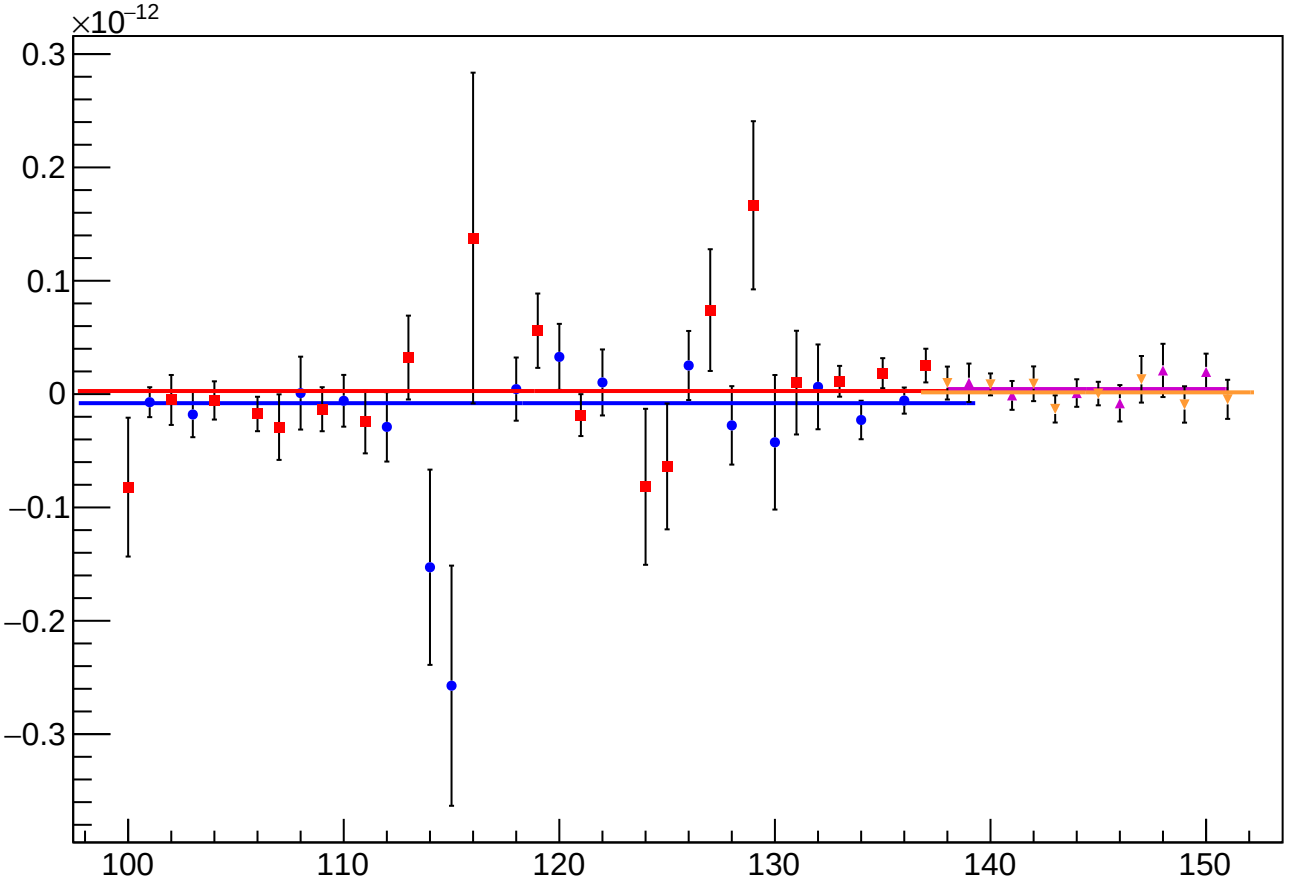
Left In: 53.111+/-0.017 χ^2/NDF:143953.6/5

+ sign 29.970+/-0.007 χ^2/NDF: 5564195.6/23

All: 27.107+/-0.005 χ^2/NDF: 12902654.2/48

- sign 24.768+/-0.006 χ^2/NDF: 7009390.9/24

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:3.5/7

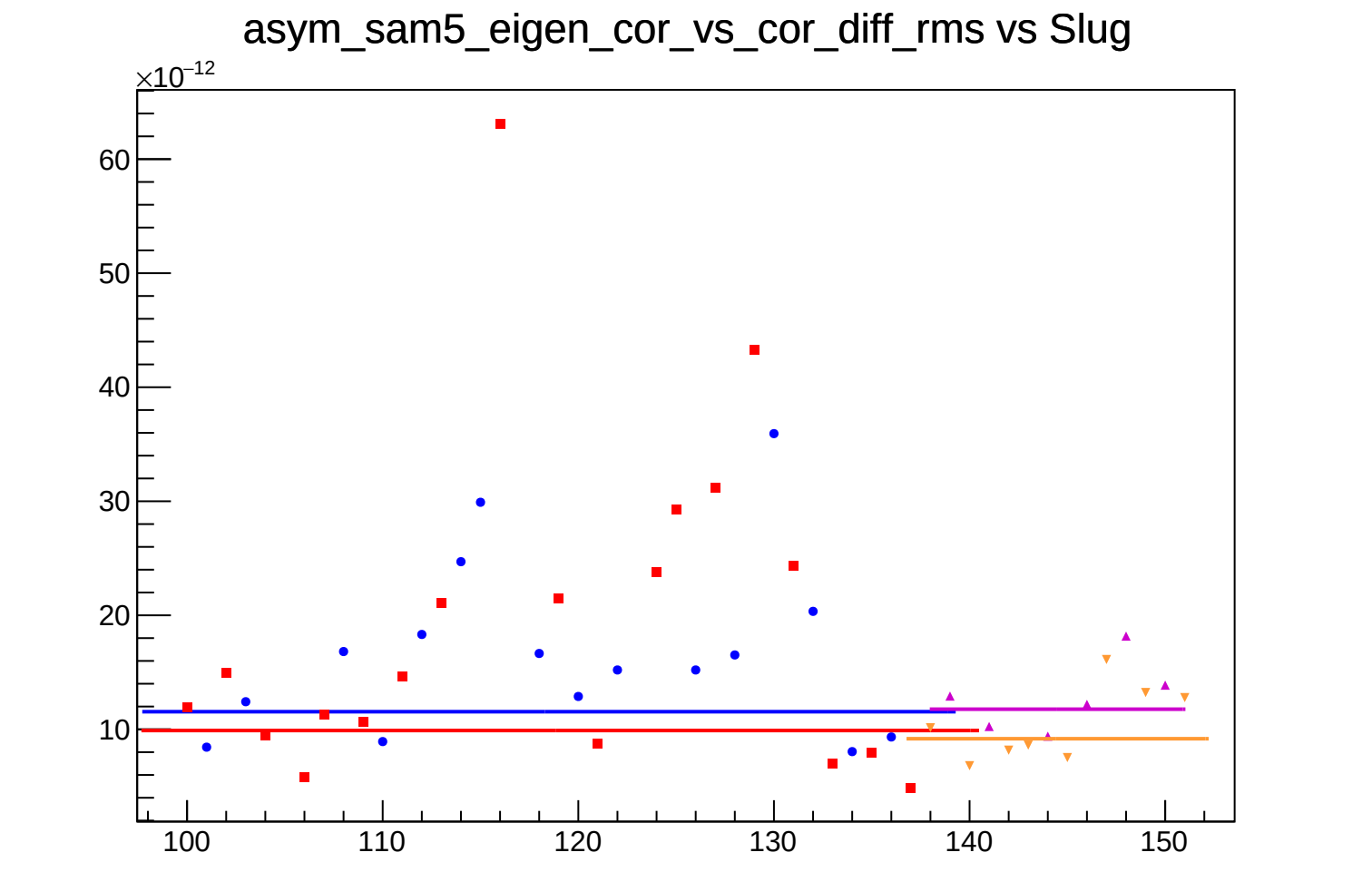
Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2.4/5

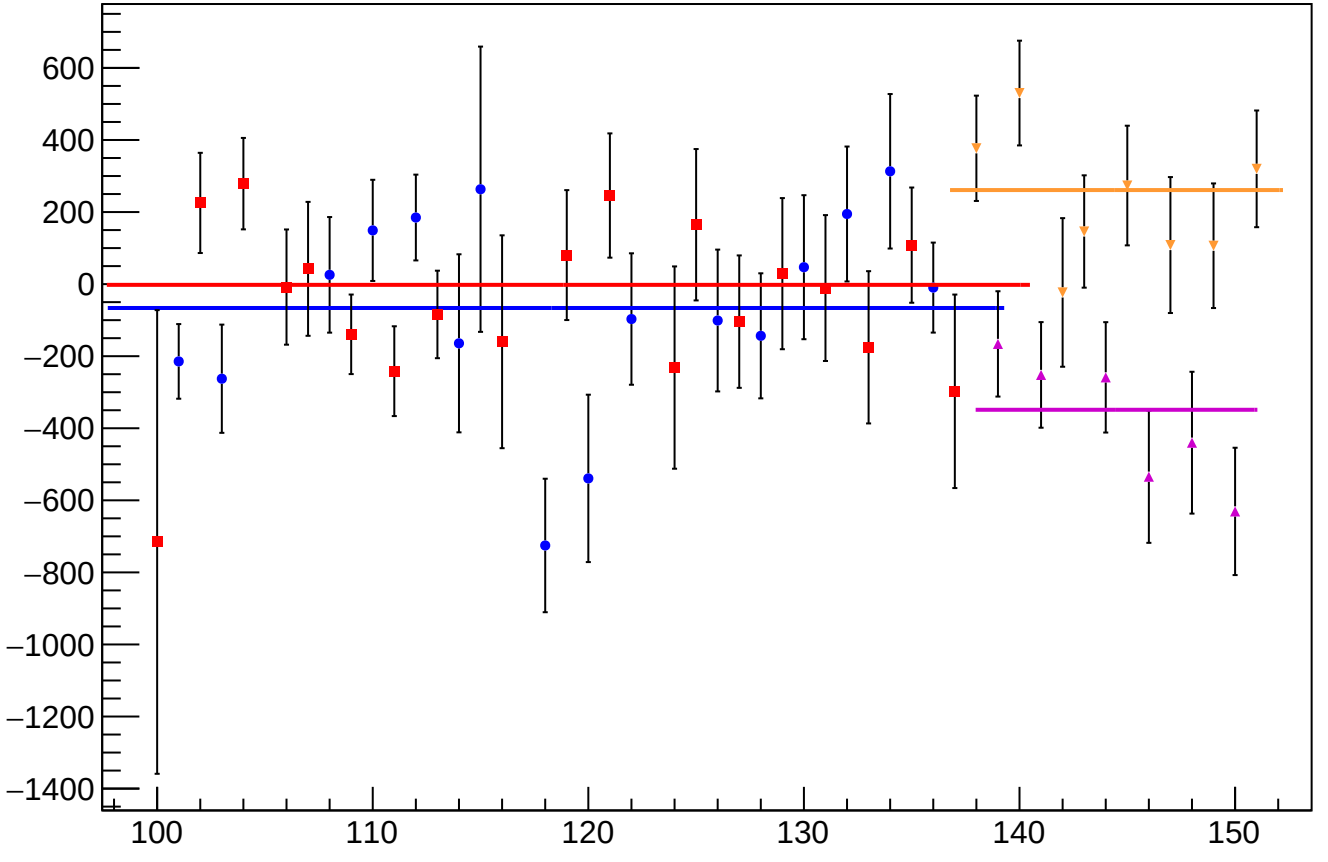
+ sign -0.000+/-0.000 χ^2/NDF: 19.6/23

All: 0.000+/-0.000 χ^2/NDF: 49.2/48

- sign 0.000+/-0.000 χ^2/NDF: 28.5/24


asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1179957.2/15
Left Out: 0.000+/-0.000 χ²/NDF:635599.7/7
Right Out: 0.000+/-0.000 χ²/NDF: 2635766.2/18
Left In: 0.000+/-0.000 χ²/NDF:298054.1/5
+ sign 0.000+/-0.000 χ²/NDF: 2018643.8/23
All: 0.000+/-0.000 χ²/NDF: 5079961.4/48
- sign 0.000+/-0.000 χ²/NDF: 3040537.6/24

reg_asym_sam6_mean vs Slug



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 261.041+/-58.245 χ^2/NDF:8.1/7

Right Out: -2.017+/-38.866 χ^2/NDF: 21.1/18

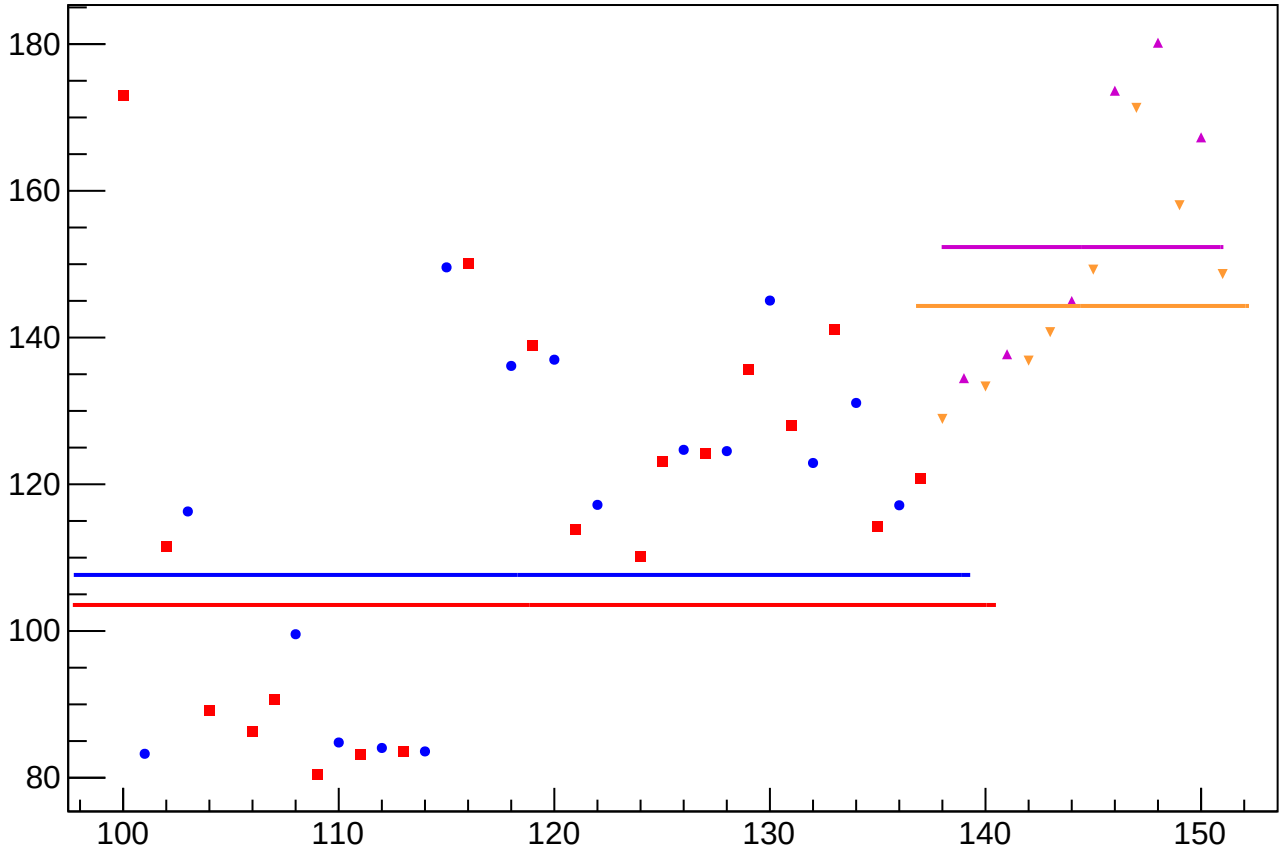
Left In: -348.714+/-66.889 χ^2/NDF:6.1/5

+ sign 41.981+/-33.492 χ^2/NDF: 63.6/23

All: -23.551+/-23.722 χ^2/NDF: 118.6/48

- sign -89.527+/-33.605 χ^2/NDF: 47.3/24

reg_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 144.307+/-0.041 χ^2/NDF:94060.0/7

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

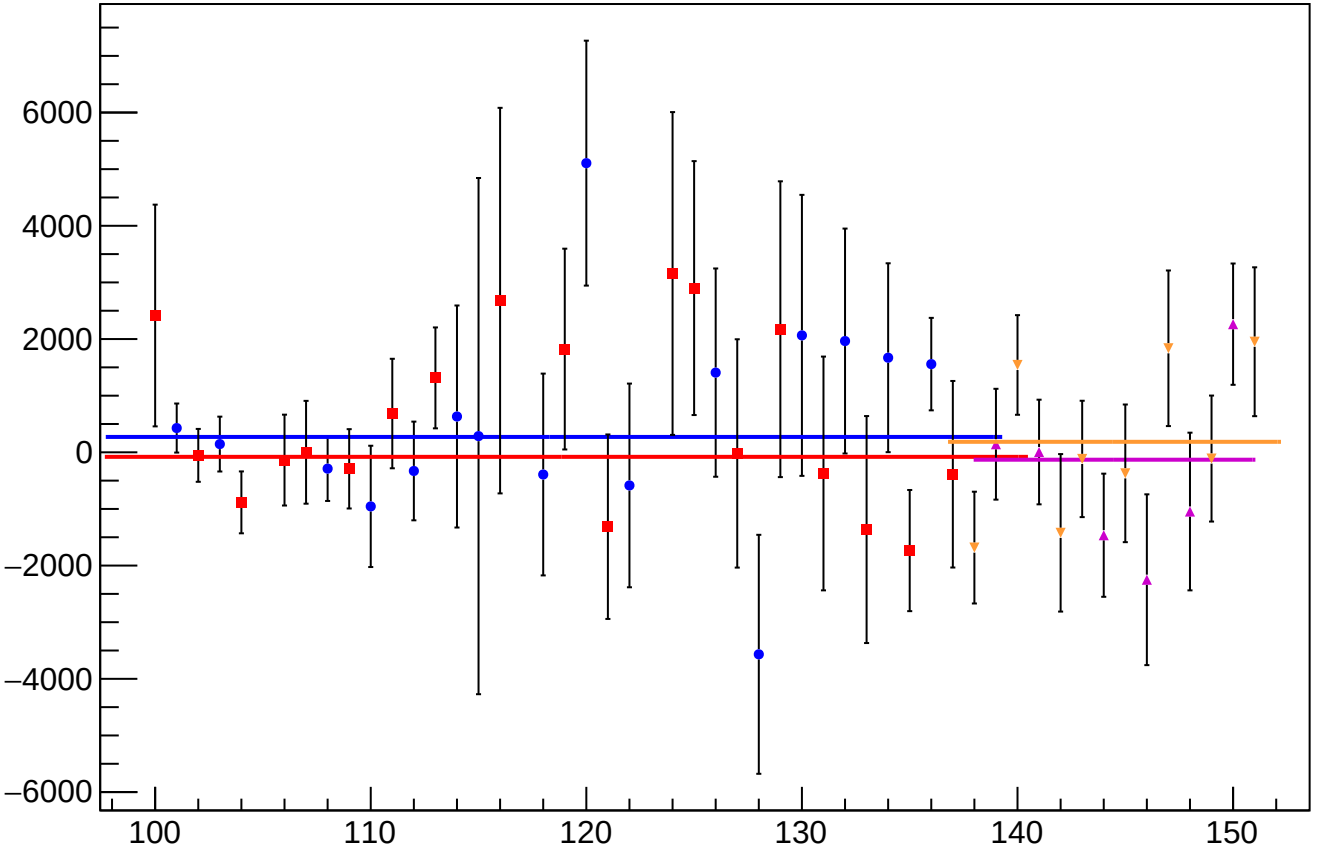
Left In: 152.337+/-0.047 χ^2/NDF:135696.4/5

+ sign 119.767+/-0.024 χ^2/NDF: 1157301.6/23

All: 117.822+/-0.017 χ^2/NDF: 2719312.6/48

- sign 115.864+/-0.024 χ^2/NDF: 1548480.1/24

asym_sam6_reg_correction_mean vs Slug



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: 185.367+/-396.002 χ^2/NDF:10.9/7

Right Out: -80.094+/-232.154 χ^2/NDF: 16.0/18

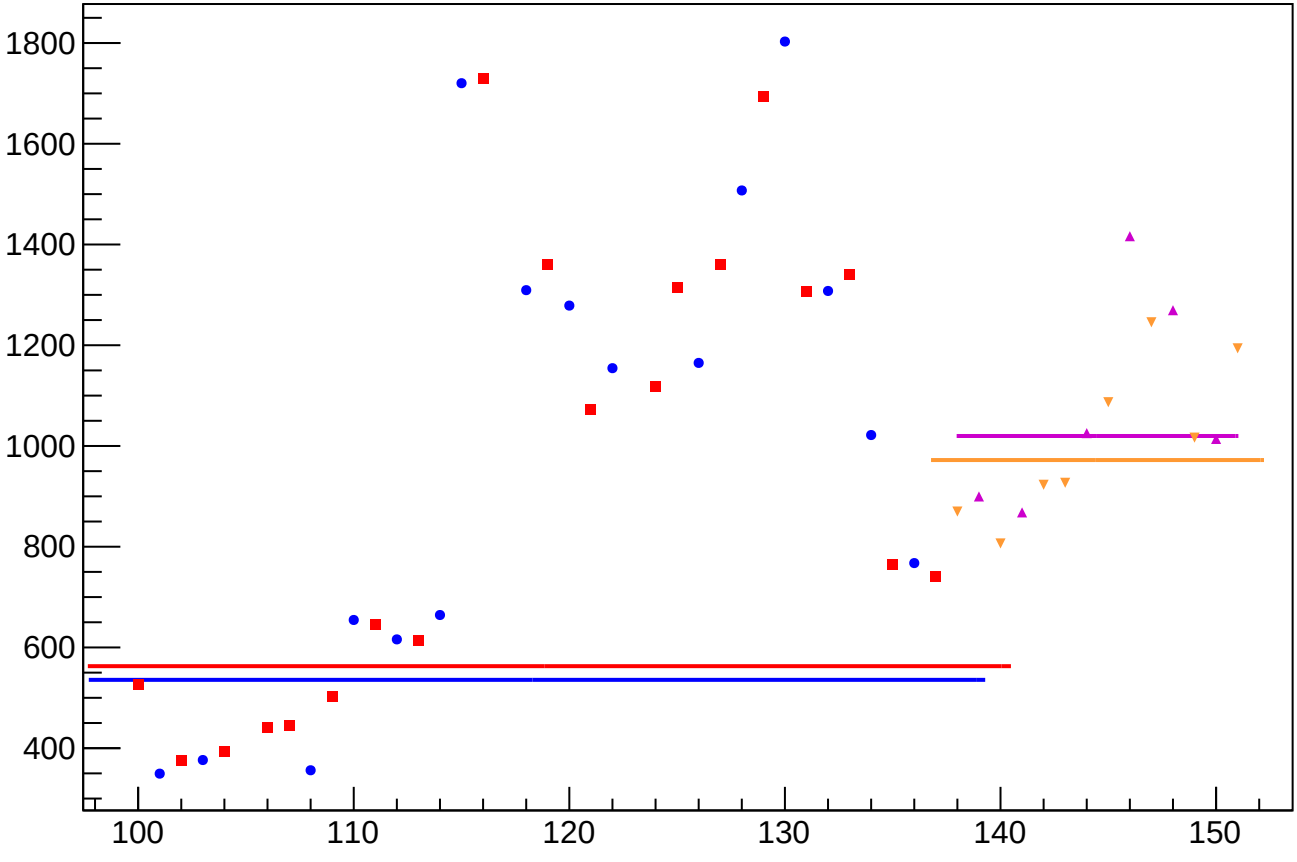
Left In: -130.730+/-452.252 χ^2/NDF:9.0/5

+ sign 249.683+/-199.316 χ^2/NDF: 27.4/23

All: 85.564+/-143.421 χ^2/NDF: 53.9/48

- sign -90.654+/-206.532 χ^2/NDF: 25.0/24

asym_sam6_reg_correction_rms vs Slug



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 972.058+/-0.280 χ^2/NDF:255931.7/7

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

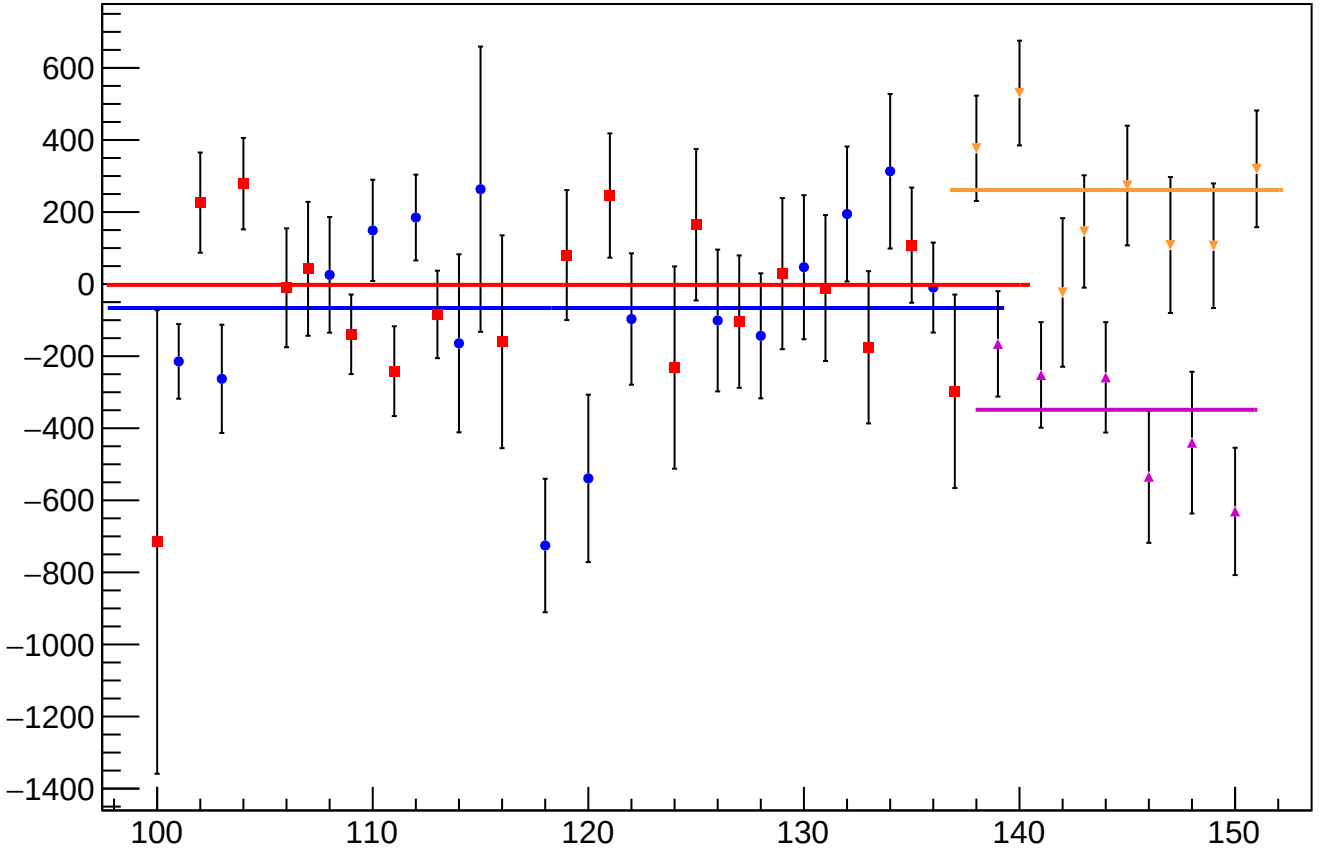
Left In: 1019.820+/-0.320 χ^2/NDF:286805.5/5

+ sign 646.230+/-0.141 χ^2/NDF: 5701678.7/23

All: 651.977+/-0.101 χ^2/NDF: 10719095.7/48

- sign 658.148+/-0.146 χ^2/NDF: 5013969.0/24

cor_asym_sam6_mean vs Slug



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 261.047+/-58.245 χ^2/NDF:8.1/7

Right Out: -2.062+/-38.937 χ^2/NDF: 21.1/18

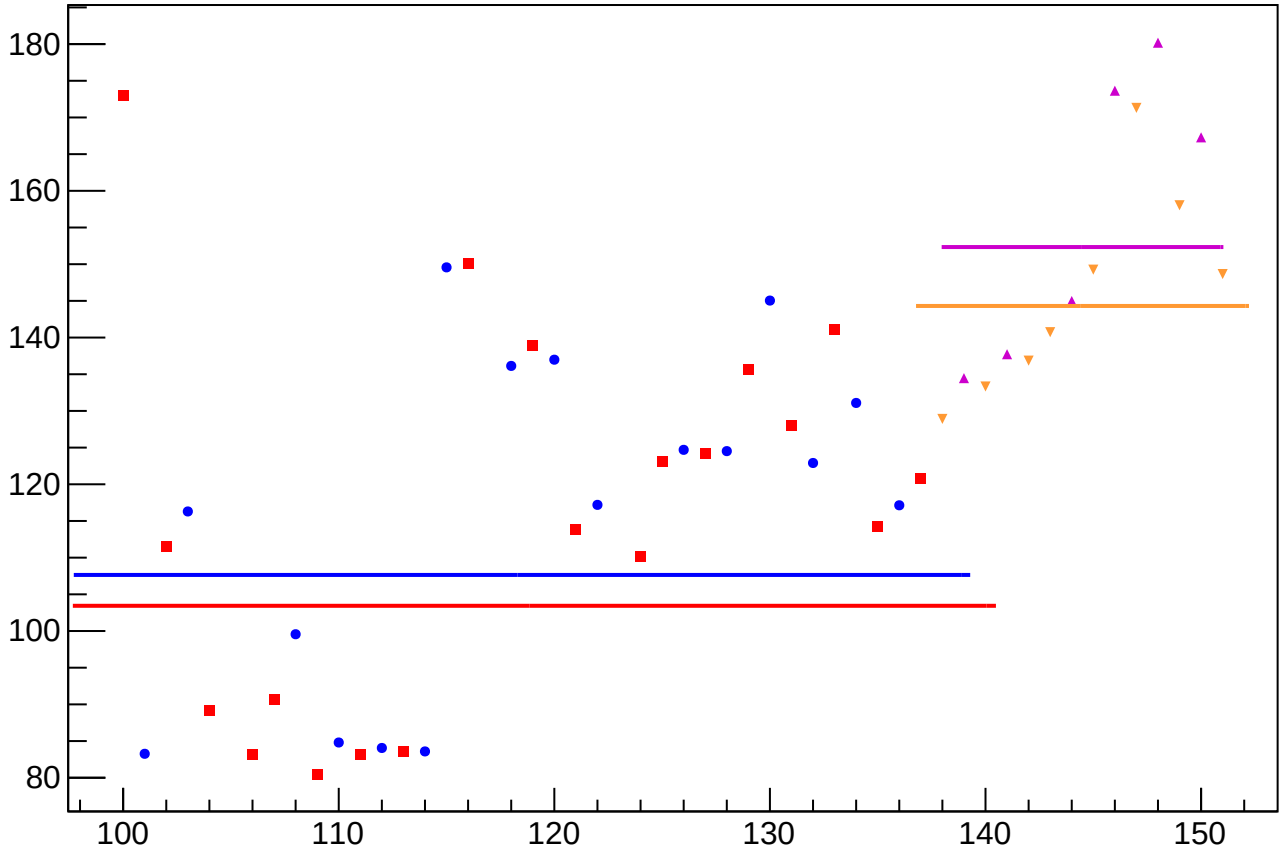
Left In: -348.712+/-66.889 χ^2/NDF:6.1/5

+ sign 41.966+/-33.492 χ^2/NDF: 63.6/23

All: -23.605+/-23.738 χ^2/NDF: 118.7/48

- sign -89.796+/-33.650 χ^2/NDF: 47.3/24

cor_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 144.307+/-0.041 χ^2/NDF:94060.0/7

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

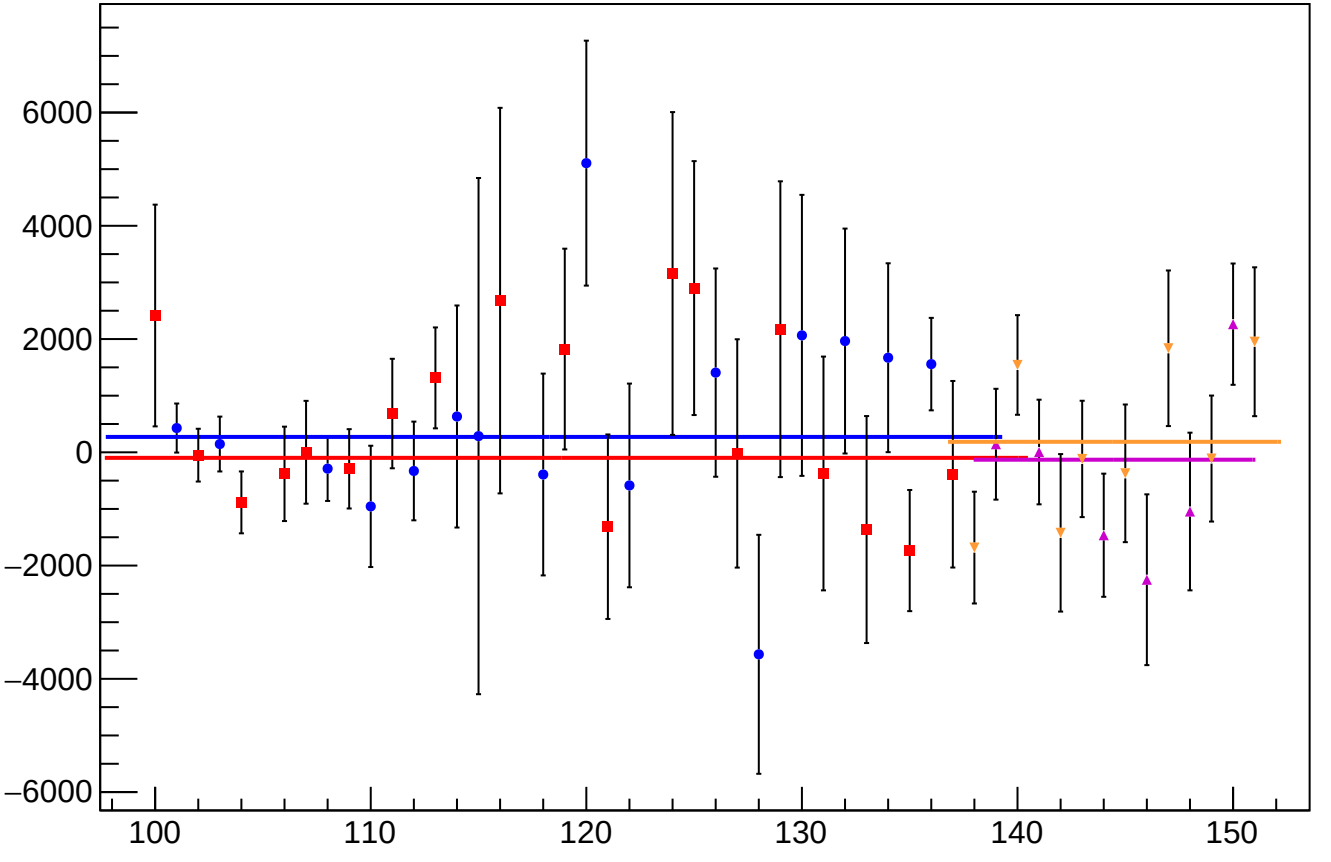
Left In: 152.337+/-0.047 χ^2/NDF:135696.4/5

\+ sign 119.767+/-0.024 χ^2/NDF: 1157301.2/23

All: 117.800+/-0.017 χ^2/NDF: 2729981.0/48

\- sign 115.814+/-0.024 χ^2/NDF: 1558815.3/24

asym_sam6_cor_correction_mean vs Slug



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 185.377+/-396.002 χ^2/NDF:10.9/7

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

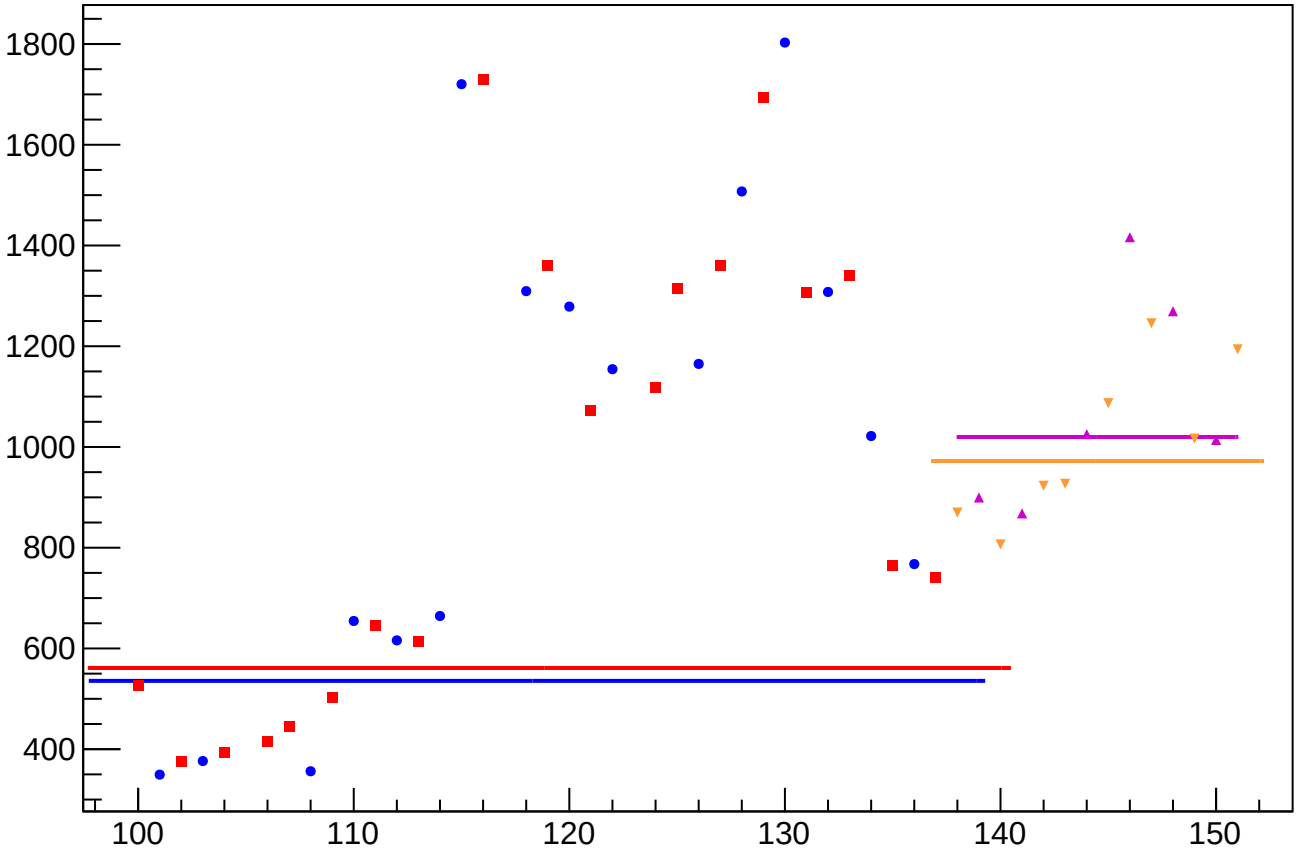
Left In: -130.716+/-452.252 χ^2/NDF:9.0/5

+ sign 249.792+/-199.311 χ^2/NDF: 27.4/23

All: 79.214+/-143.567 χ^2/NDF: 54.1/48

- sign -104.731+/-206.973 χ^2/NDF: 25.1/24

asym_sam6_cor_correction_rms vs Slug



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 972.058+/-0.280 χ^2/NDF:255931.6/7

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

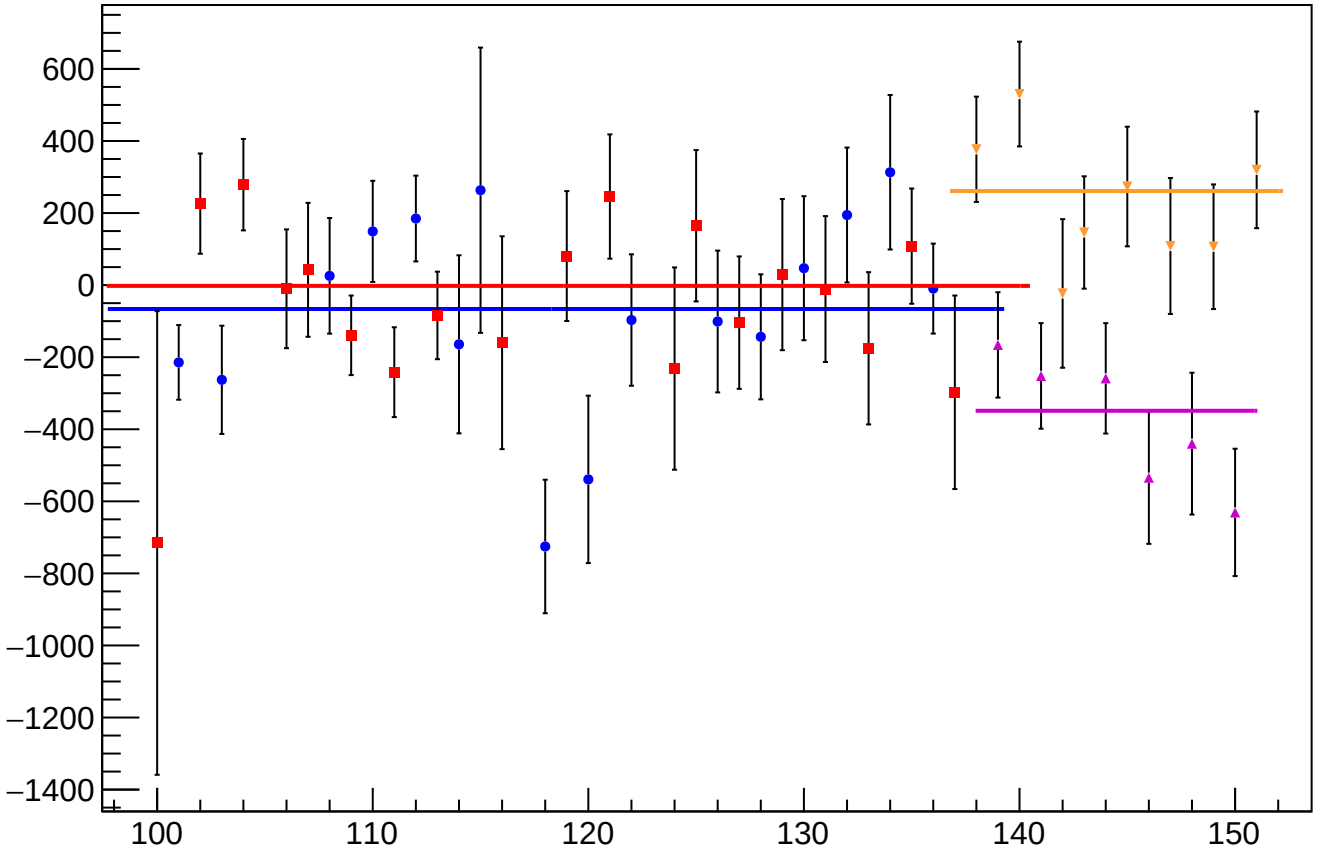
Left In: 1019.820+/-0.320 χ^2/NDF:286805.8/5

+ sign 646.209+/-0.141 χ^2/NDF: 5702087.2/23

All: 651.550+/-0.102 χ^2/NDF: 10748100.1/48

- sign 657.310+/-0.146 χ^2/NDF: 5043027.7/24

eigen_cor_asym_sam6_mean vs Slug



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 261.047+/-58.245 χ^2/NDF:8.1/7

Right Out: -2.062+/-38.937 χ^2/NDF: 21.1/18

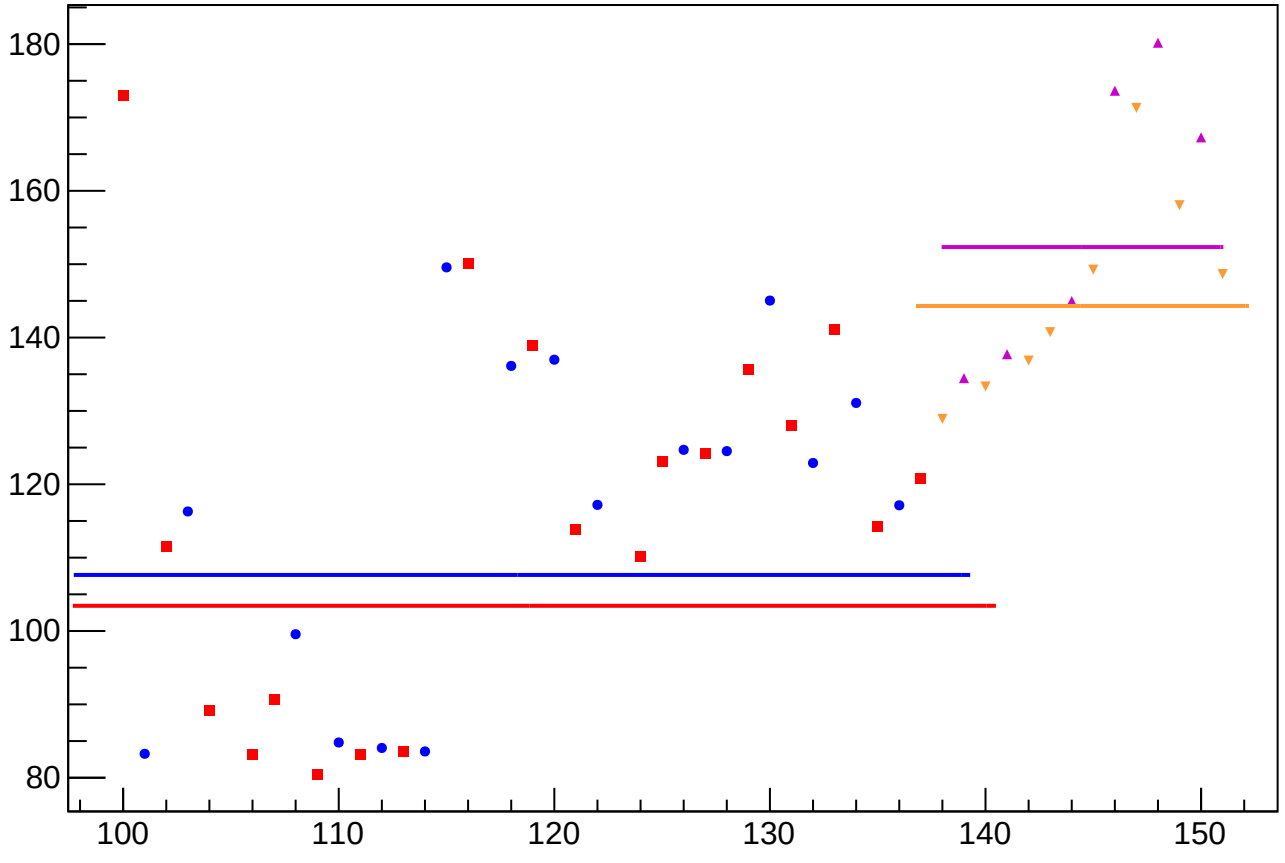
Left In: -348.712+/-66.889 χ^2/NDF:6.1/5

+ sign 41.966+/-33.492 χ^2/NDF: 63.6/23

All: -23.605+/-23.738 χ^2/NDF: 118.7/48

- sign -89.796+/-33.650 χ^2/NDF: 47.3/24

eigen_cor_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 144.307+/-0.041 χ^2/NDF:94060.0/7

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

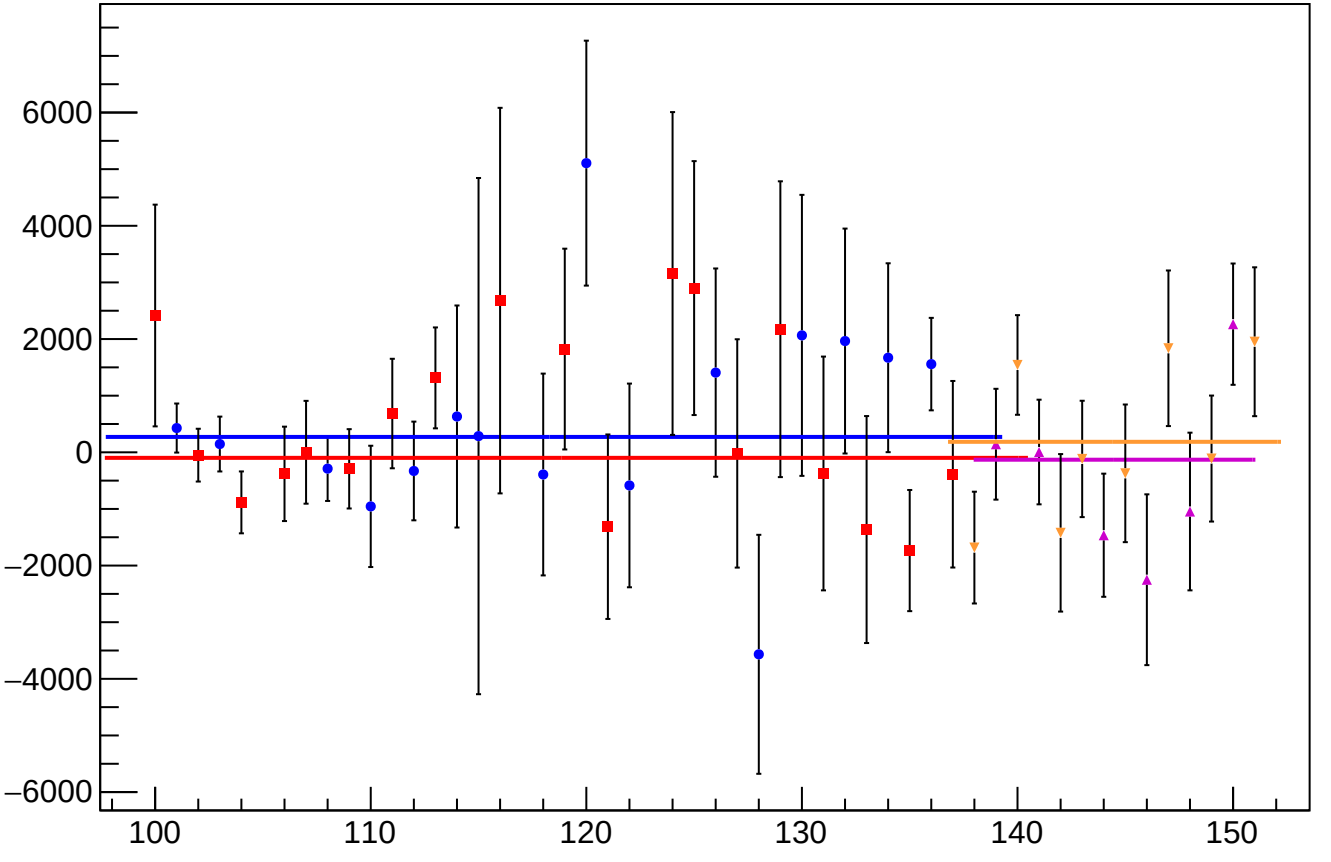
Left In: 152.337+/-0.047 χ^2/NDF:135696.4/5

+ sign 119.767+/-0.024 χ^2/NDF: 1157301.2/23

All: 117.800+/-0.017 χ^2/NDF: 2729981.0/48

- sign 115.814+/-0.024 χ^2/NDF: 1558815.3/24

asym_sam6_eigen_cor_correction_mean vs Slug



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 185.377+/-396.002 χ^2/NDF:10.9/7

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

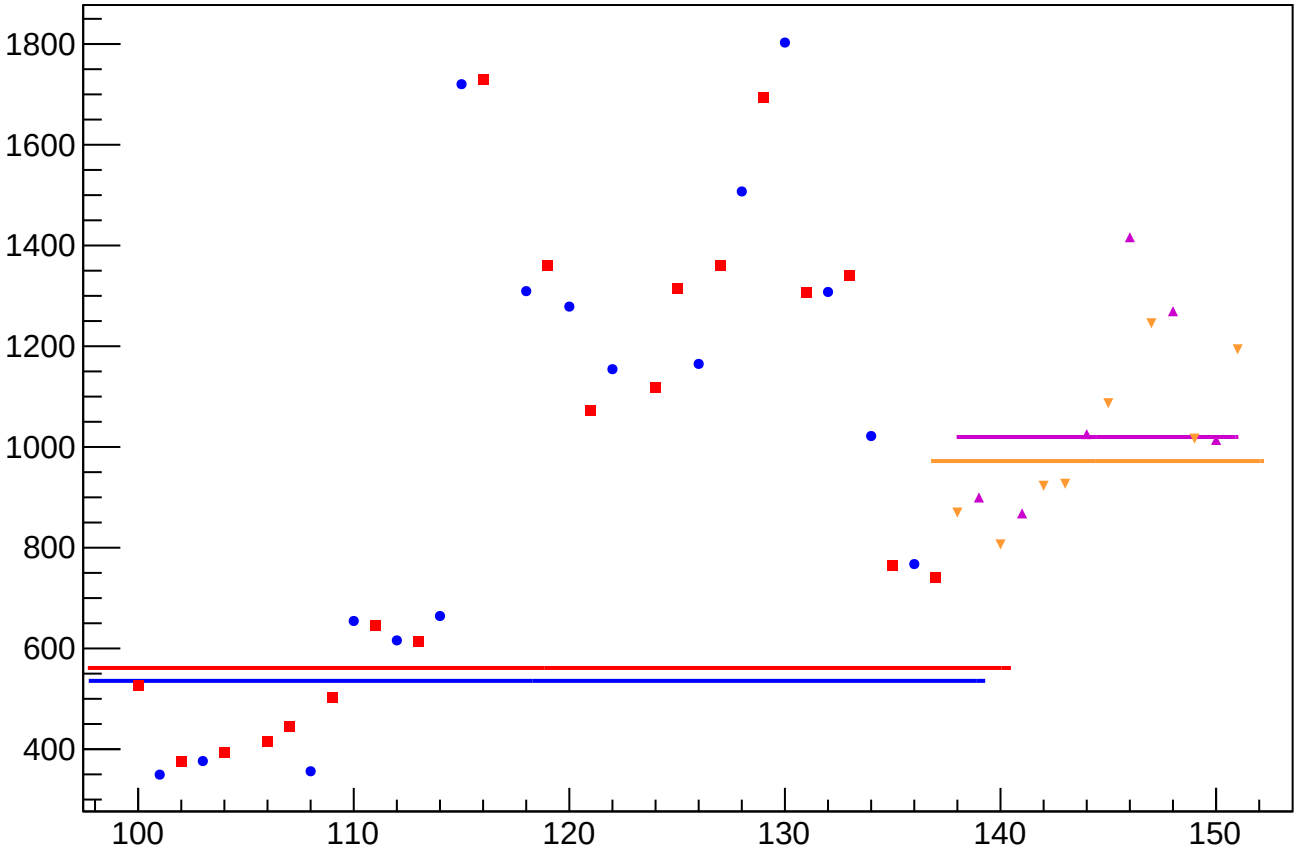
Left In: -130.716+/-452.252 χ^2/NDF:9.0/5

+ sign 249.792+/-199.311 χ^2/NDF: 27.4/23

All: 79.214+/-143.567 χ^2/NDF: 54.1/48

- sign -104.731+/-206.973 χ^2/NDF: 25.1/24

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 972.058+/-0.280 χ^2/NDF:255931.6/7

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

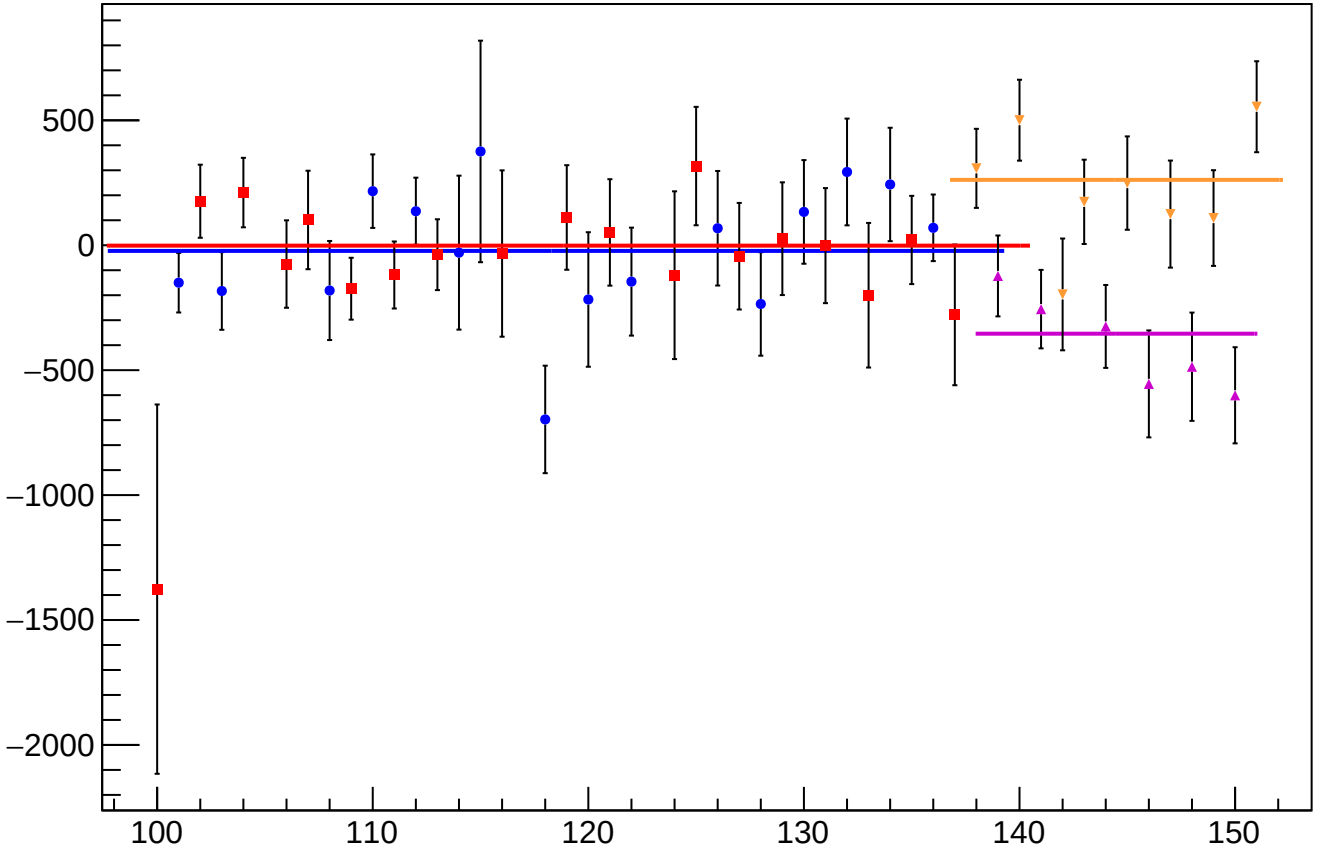
Left In: 1019.820+/-0.320 χ^2/NDF:286805.8/5

+ sign 646.209+/-0.141 χ^2/NDF: 5702087.2/23

All: 651.550+/-0.102 χ^2/NDF: 10748100.1/48

- sign 657.310+/-0.146 χ^2/NDF: 5043027.7/24

dit_asym_sam6_mean vs Slug



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 261.682+/-64.409 χ^2/NDF:10.4/7

Right Out: -1.600+/-43.563 χ^2/NDF: 14.3/18

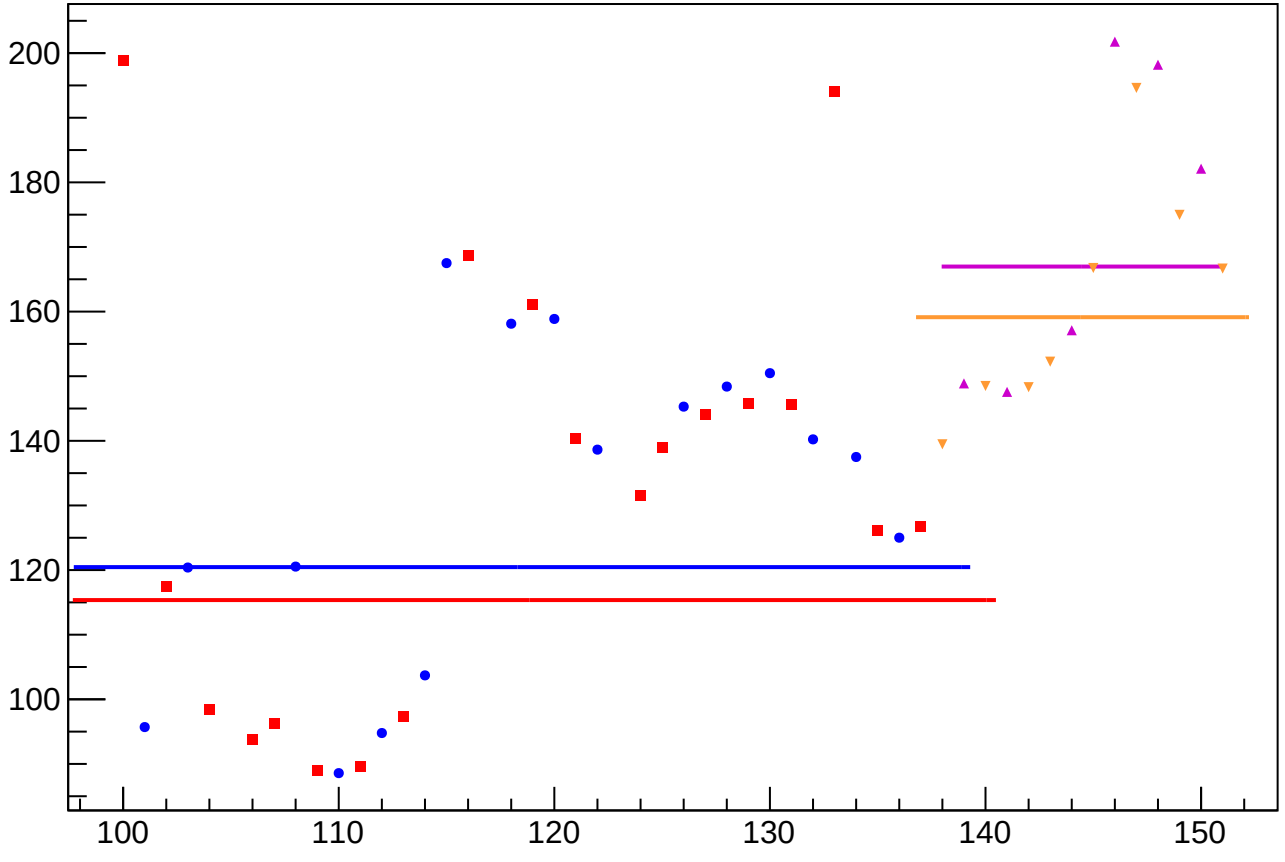
Left In: -354.018+/-73.489 χ^2/NDF:5.4/5

\+ sign 73.118+/-37.384 χ^2/NDF: 47.5/23

All: -9.860+/-26.466 χ^2/NDF: 94.0/48

\- sign -93.237+/-37.474 χ^2/NDF: 36.7/24

dit_asym_sam6_rms vs Slug



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 159.132+/-0.046 χ^2/NDF:122837.5/7

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

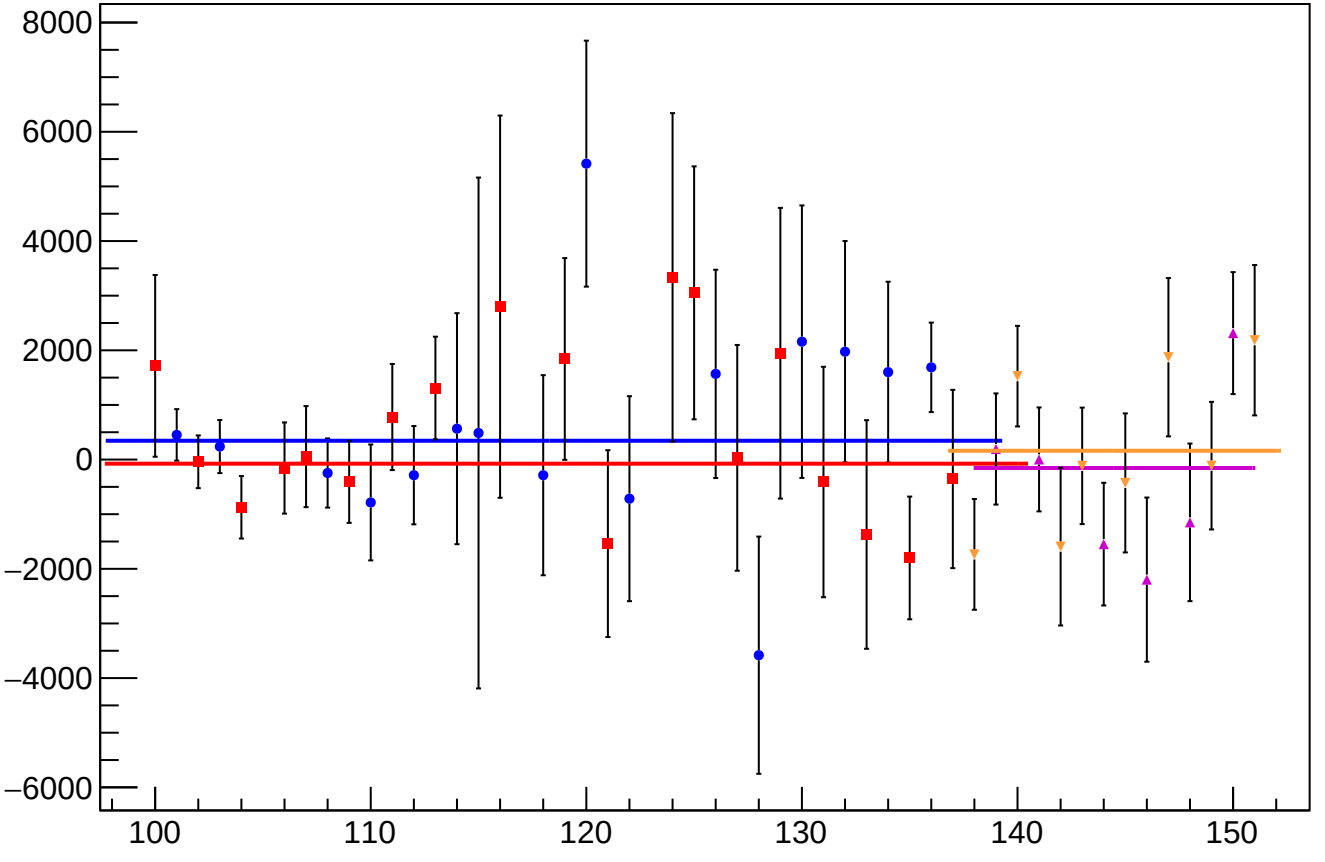
Left In: 166.970+/-0.052 χ^2/NDF:169339.4/5

+ sign 133.487+/-0.026 χ^2/NDF: 1131319.0/23

All: 131.138+/-0.019 χ^2/NDF: 2813740.7/48

- sign 128.778+/-0.026 χ^2/NDF: 1666591.3/24

asym_sam6_dit_correction_mean vs Slug



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: 160.984+/-412.818 χ^2/NDF:11.1/7

Right Out: -75.434+/-240.479 χ^2/NDF: 15.3/18

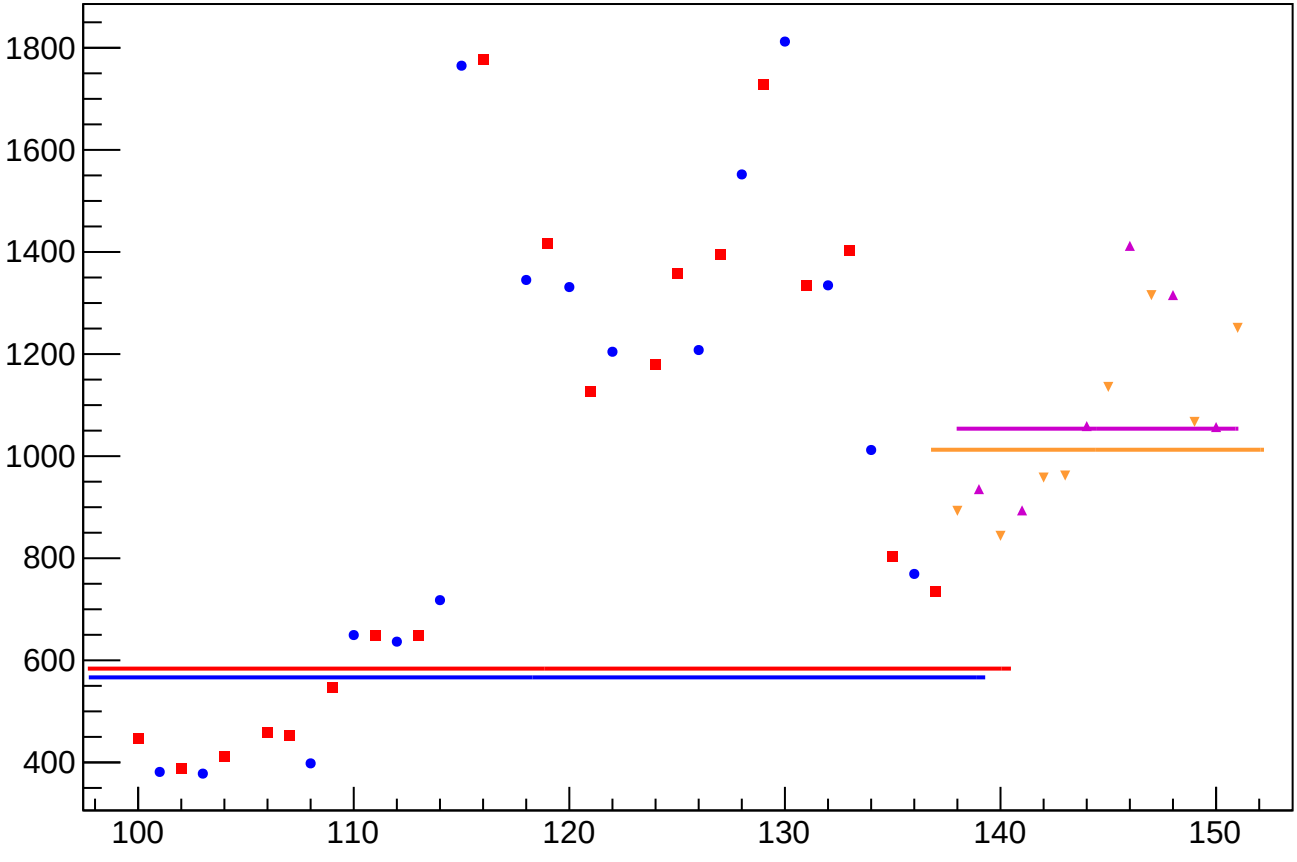
Left In: -154.084+/-466.755 χ^2/NDF:8.9/5

+ sign 297.653+/-208.471 χ^2/NDF: 27.5/23

All: 107.752+/-149.251 χ^2/NDF: 53.4/48

- sign -91.932+/-213.774 χ^2/NDF: 24.2/24

asym_sam6_dit_correction_rms vs Slug



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 1012.582+/-0.292 χ^2/NDF:272971.5/7

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

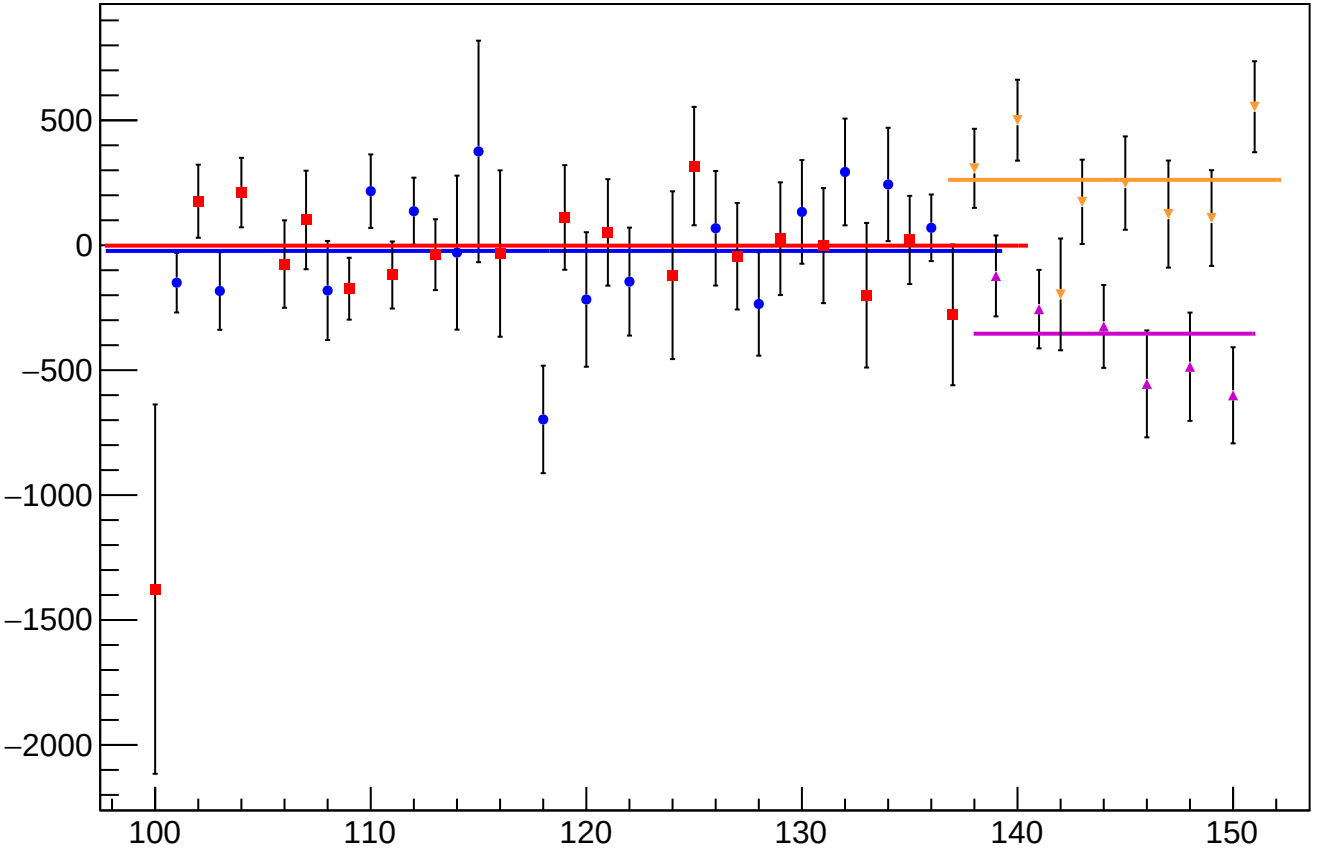
Left In: 1053.828+/-0.330 χ^2/NDF:263258.9/5

+ sign 680.337+/-0.147 χ^2/NDF: 5444356.2/23

All: 681.338+/-0.106 χ^2/NDF: 10417978.1/48

- sign 682.391+/-0.151 χ^2/NDF: 4973527.2/24

eigen_dit_asym_sam6_mean vs Slug



Right In: -22.680+/-45.908 χ^2/NDF: 24.2/15

Left Out: 261.684+/-64.409 χ^2/NDF:10.4/7

Right Out: -1.601+/-43.563 χ^2/NDF: 14.3/18

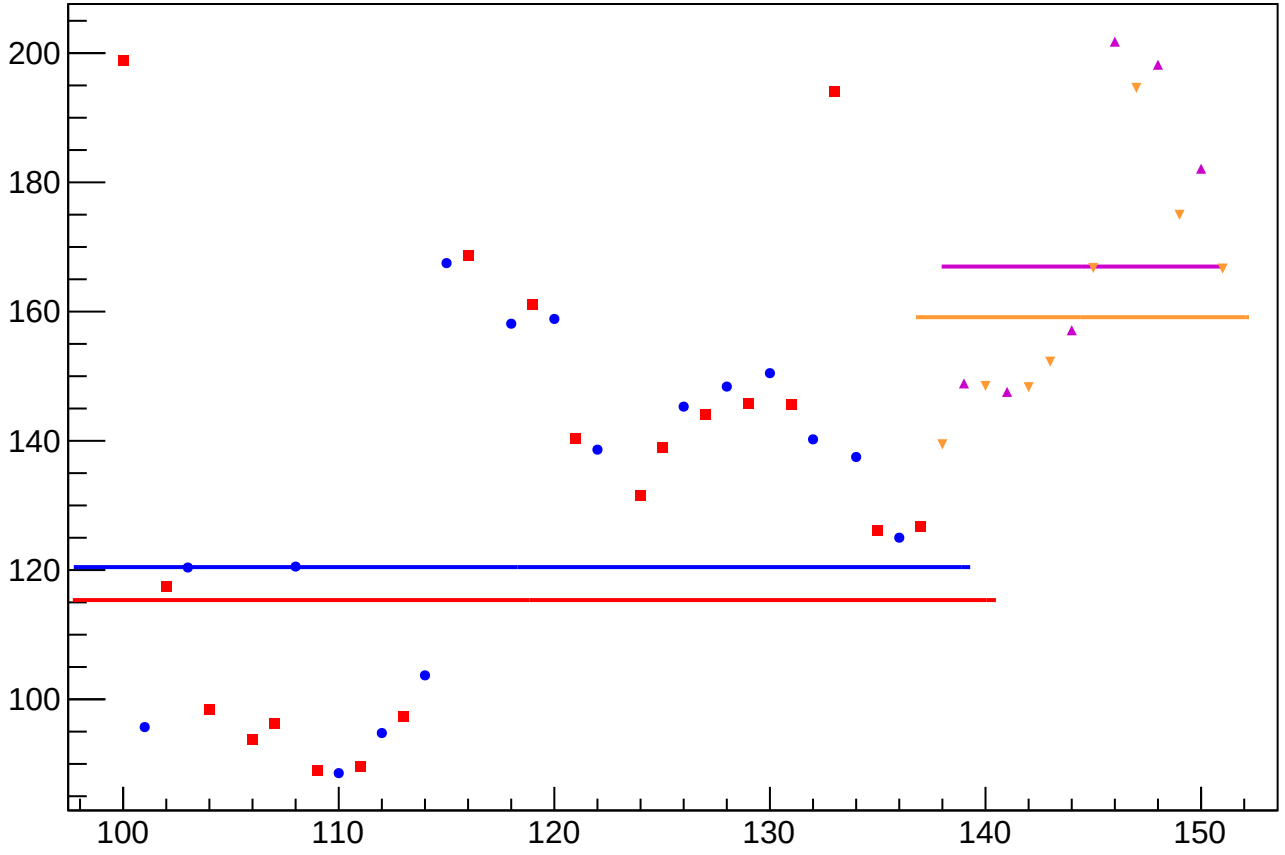
Left In: -354.017+/-73.489 χ^2/NDF:5.4/5

+ sign 73.118+/-37.384 χ^2/NDF: 47.5/23

All: -9.860+/-26.466 χ^2/NDF: 94.0/48

- sign -93.238+/-37.474 χ^2/NDF: 36.7/24

eigen_dit_asym_sam6_rms vs Slug



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 159.132+/-0.046 χ^2/NDF:122836.3/7

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

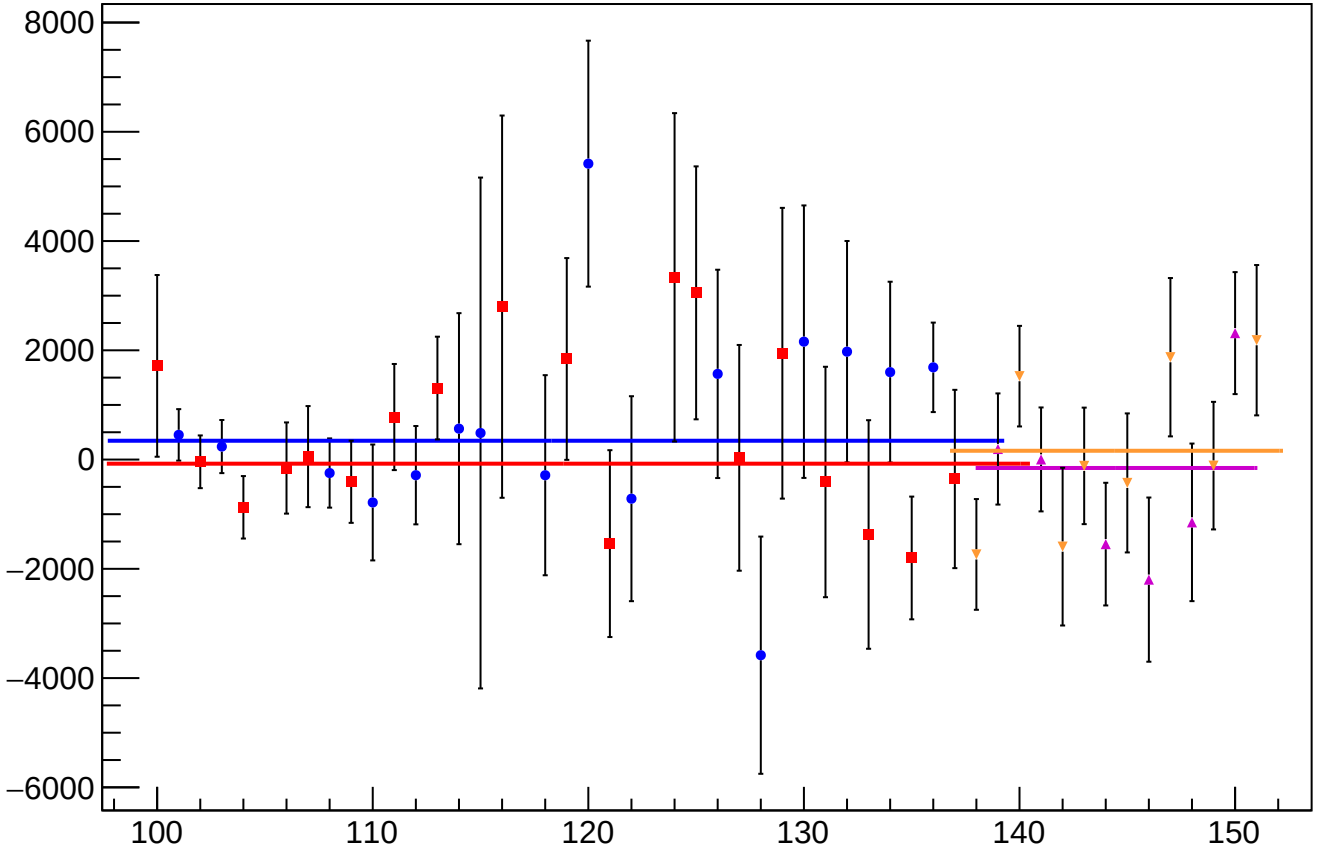
Left In: 166.970+/-0.052 χ^2/NDF:169339.6/5

+ sign 133.487+/-0.026 χ^2/NDF: 1131322.9/23

All: 131.138+/-0.019 χ^2/NDF: 2813744.6/48

- sign 128.777+/-0.026 χ^2/NDF: 1666591.7/24

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: 160.988+/-412.817 χ^2/NDF:11.1/7

Right Out: -75.435+/-240.479 χ^2/NDF: 15.3/18

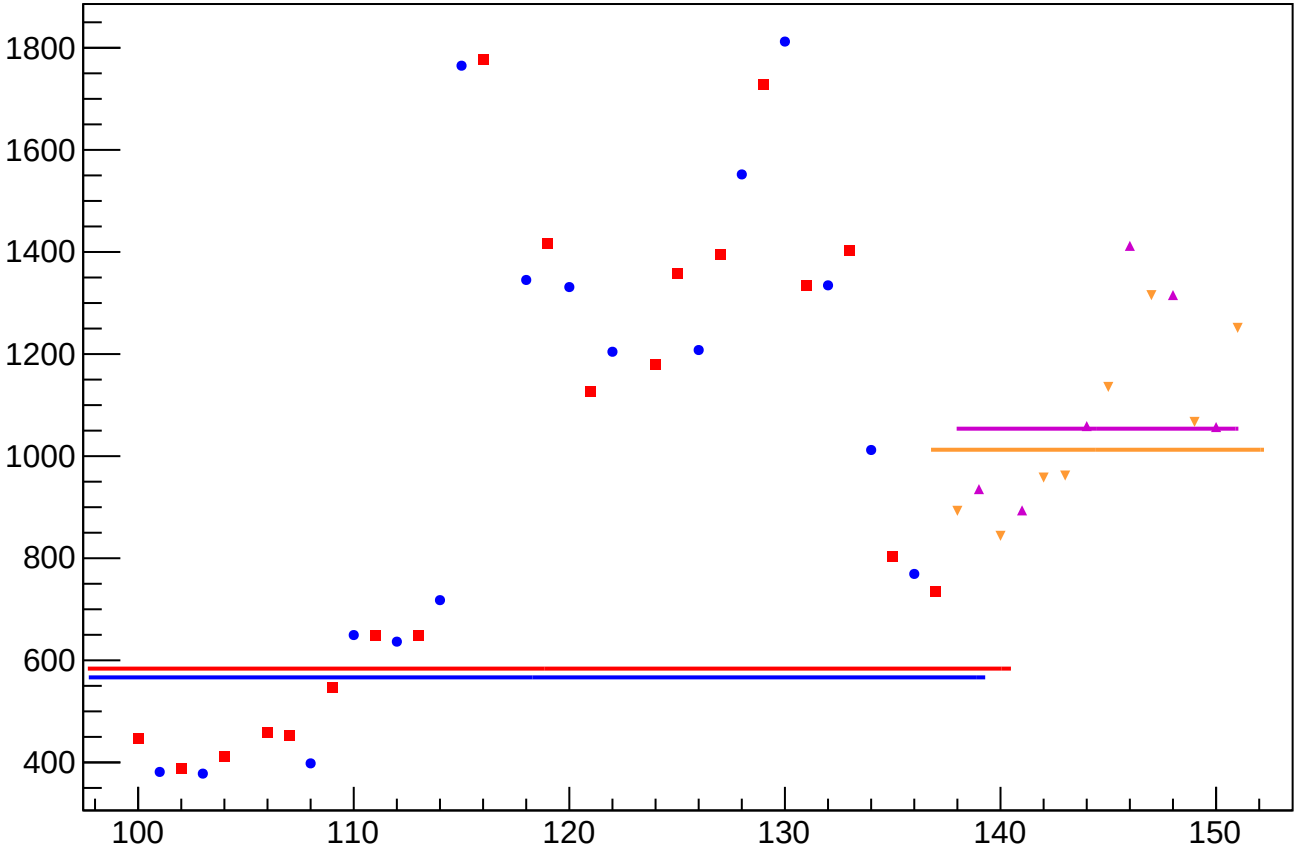
Left In: -154.083+/-466.755 χ^2/NDF:8.9/5

+ sign 297.653+/-208.471 χ^2/NDF: 27.5/23

All: 107.752+/-149.251 χ^2/NDF: 53.4/48

- sign -91.933+/-213.774 χ^2/NDF: 24.2/24

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 1012.581+/-0.292 χ^2/NDF:272971.9/7

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

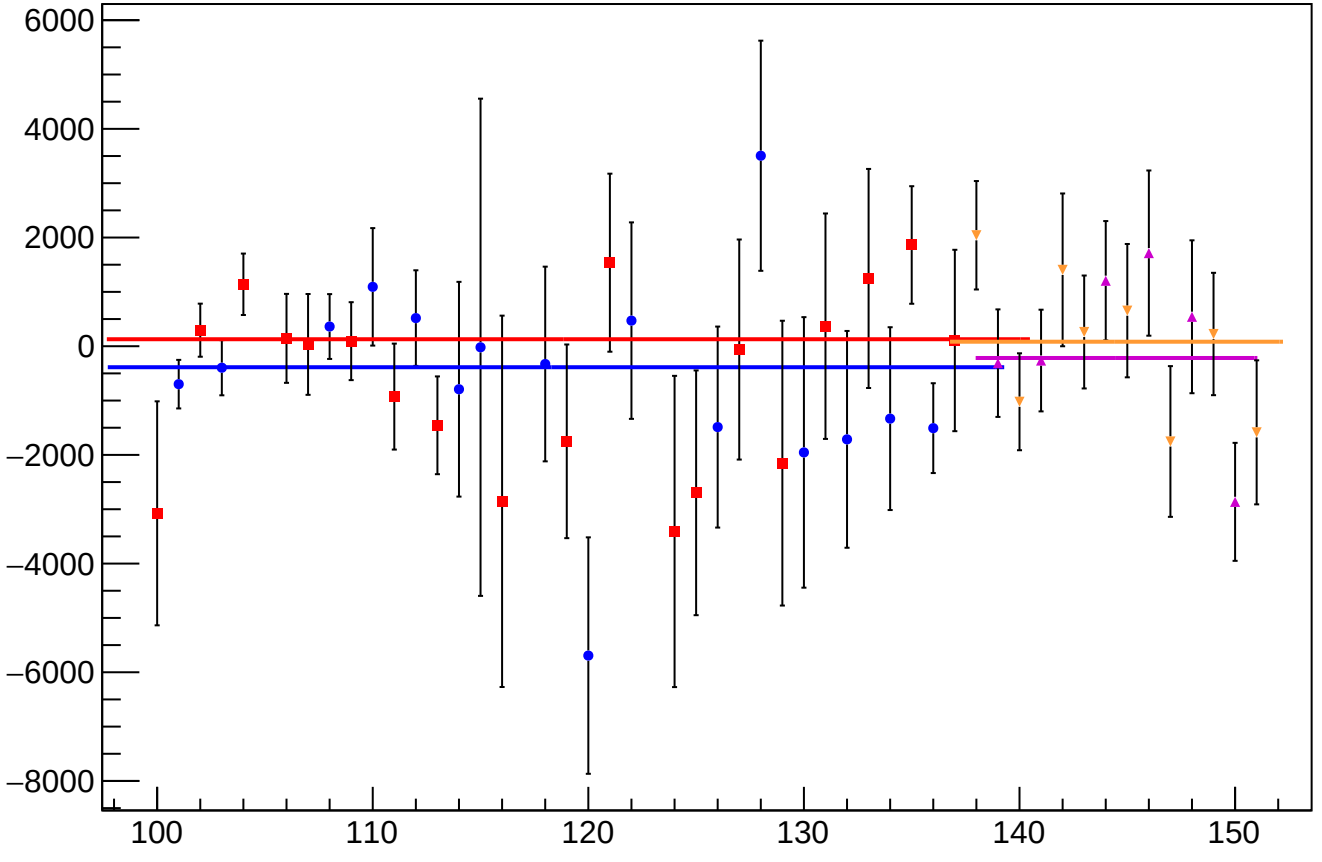
Left In: 1053.827+/-0.330 χ^2/NDF:263259.4/5

+ sign 680.336+/-0.147 χ^2/NDF: 5444362.1/23

All: 681.338+/-0.106 χ^2/NDF: 10417984.5/48

- sign 682.390+/-0.151 χ^2/NDF: 4973527.8/24

asym_sam6_mean vs Slug



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: 82.947+/-400.450 χ^2/NDF:9.9/7

Right Out: 128.583+/-238.241 χ^2/NDF: 19.4/18

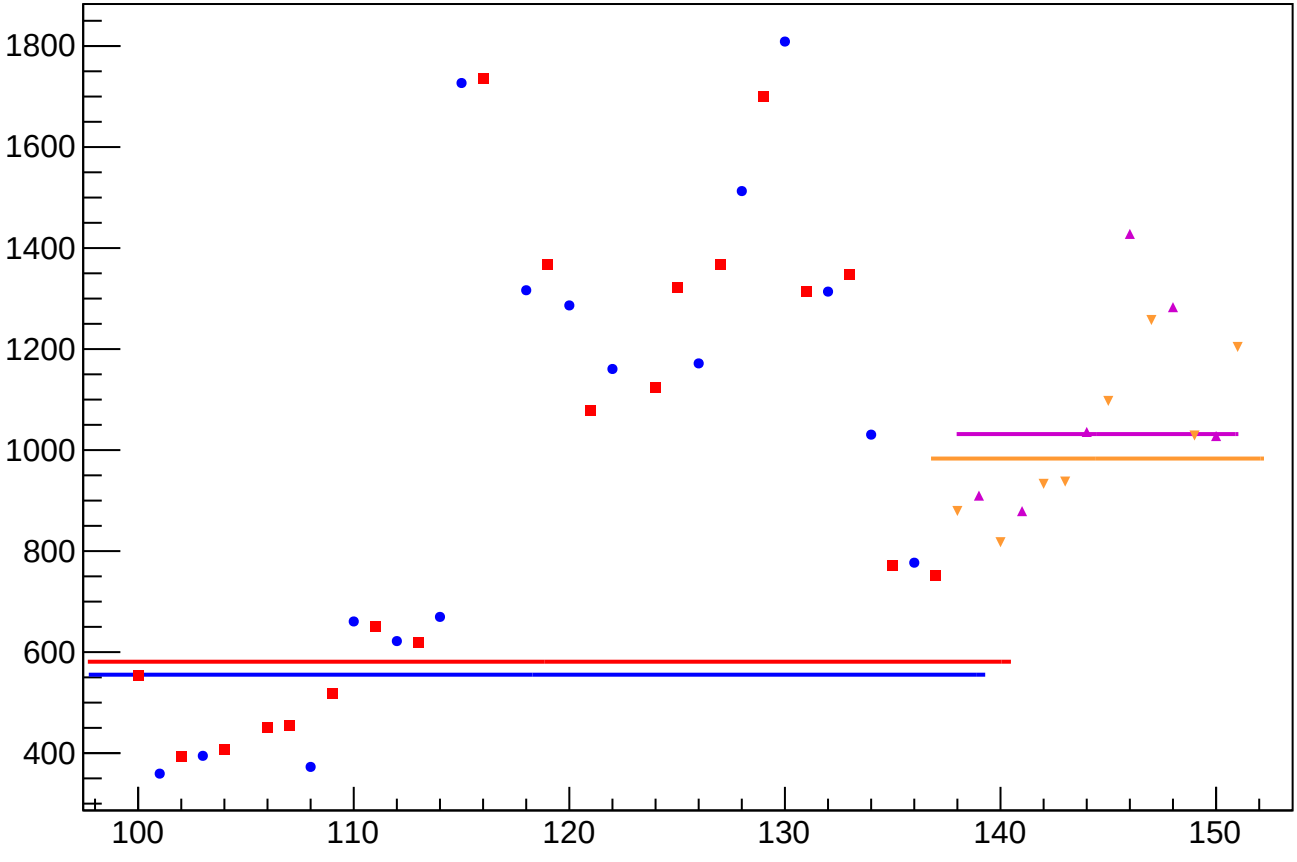
Left In: -216.546+/-457.400 χ^2/NDF:9.5/5

+ sign -264.340+/-204.291 χ^2/NDF: 28.8/23

All: -110.084+/-146.870 χ^2/NDF: 59.4/48

- sign 54.933+/-211.297 χ^2/NDF: 29.4/24

asym_sam6_rms vs Slug



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 983.255+/-0.283 χ^2/NDF:251447.4/7

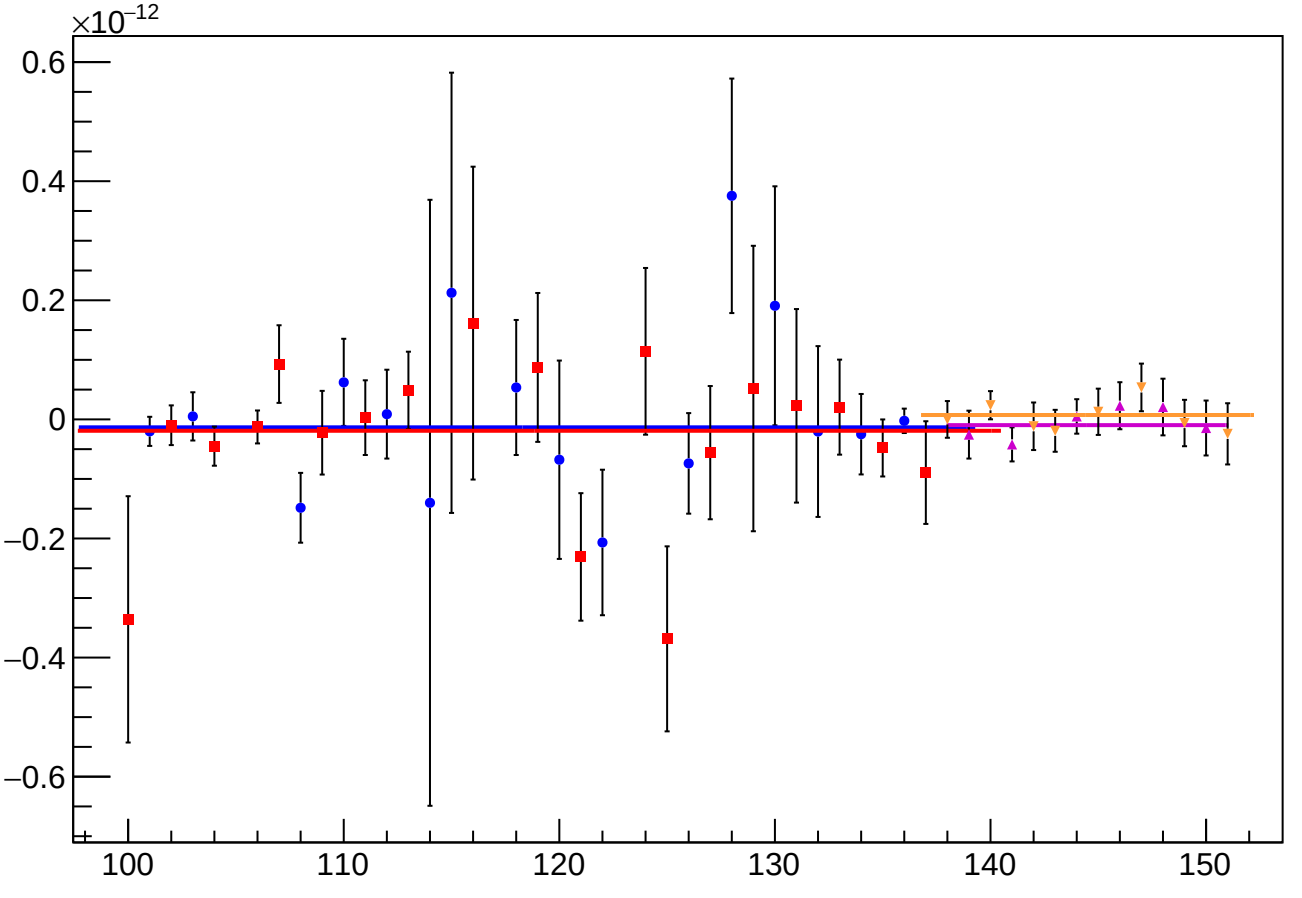
Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 1031.712+/-0.323 χ^2/NDF:283363.5/5

+ sign 666.672+/-0.144 χ^2/NDF: 5423744.3/23

All: 671.748+/-0.104 χ^2/NDF: 10220782.7/48

- sign 677.178+/-0.149 χ^2/NDF: 4794482.6/24



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.2/7

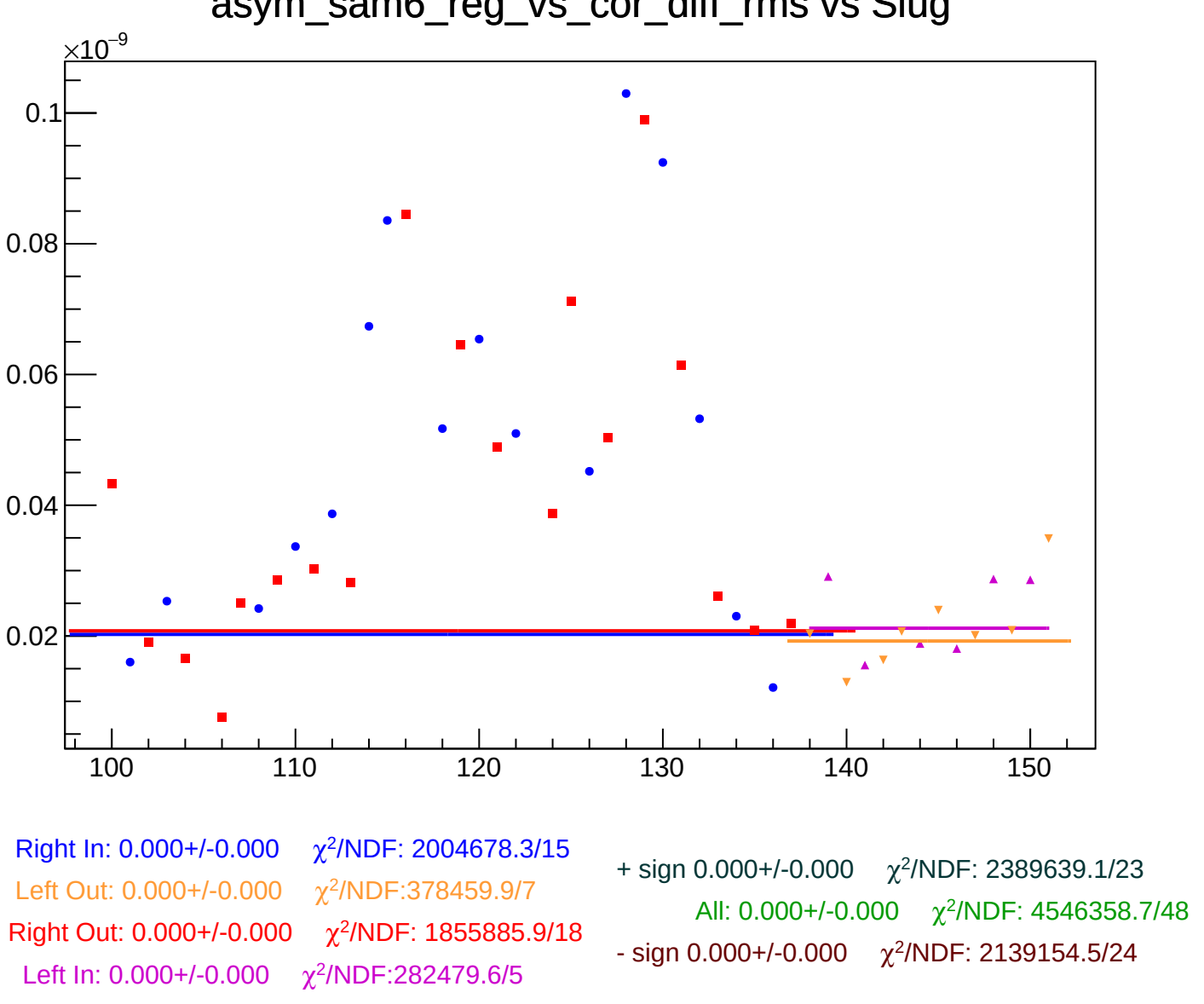
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

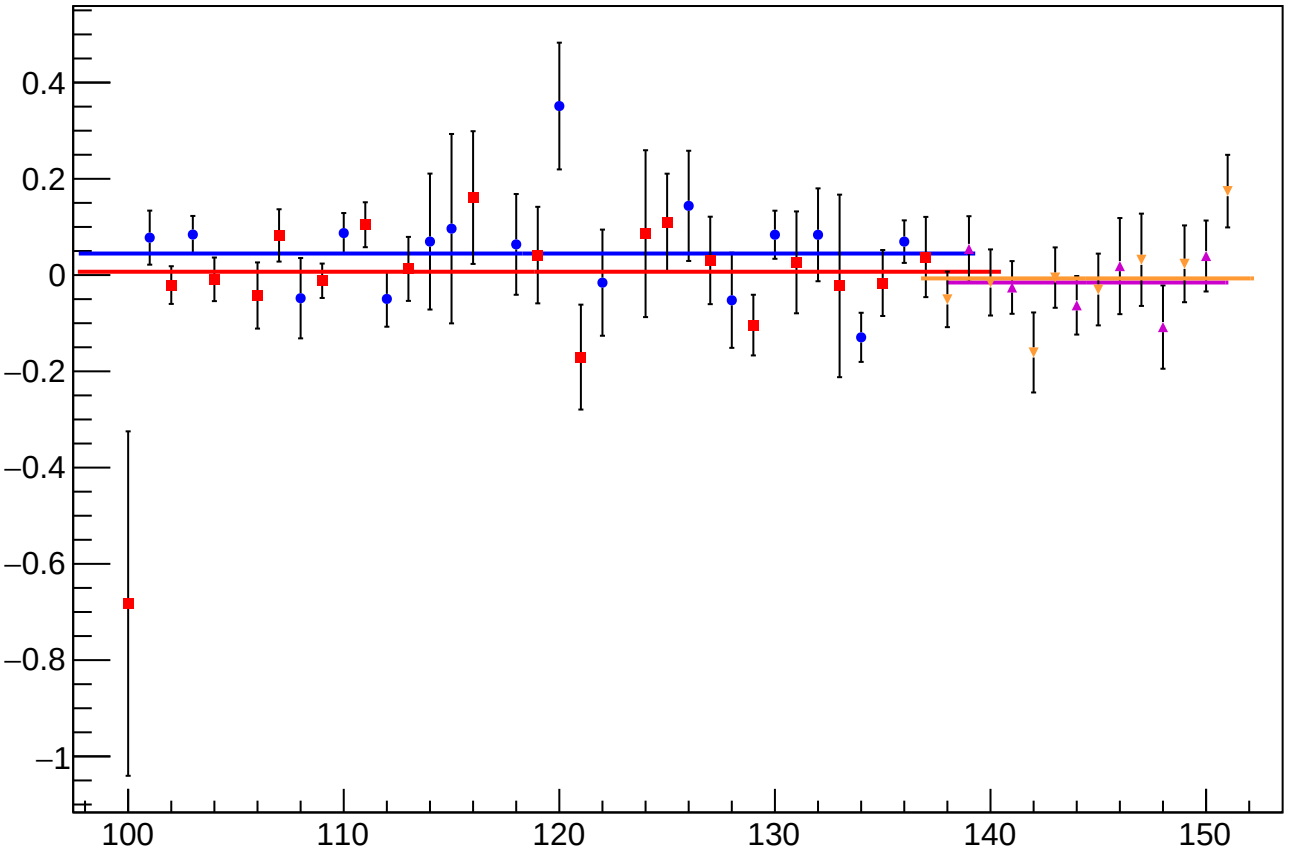
Left In: -0.000+/-0.000 χ^2/NDF:2.8/5

+ sign -0.000+/-0.000 χ^2/NDF: 20.4/23

All: -0.000+/-0.000 χ^2/NDF: 44.1/48

- sign -0.000+/-0.000 χ^2/NDF: 22.9/24


asym_sam6_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
Right In: 0.000+/-0.000 χ²/NDF: 2004678.3/15
Left Out: 0.000+/-0.000 χ²/NDF:378459.9/7
Right Out: 0.000+/-0.000 χ²/NDF: 1855885.9/18
Left In: 0.000+/-0.000 χ²/NDF:282479.6/5
+ sign 0.000+/-0.000 χ²/NDF: 2389639.1/23
All: 0.000+/-0.000 χ²/NDF: 4546358.7/48
- sign 0.000+/-0.000 χ²/NDF: 2139154.5/24



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.007+/-0.026 χ^2/NDF:10.2/7

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

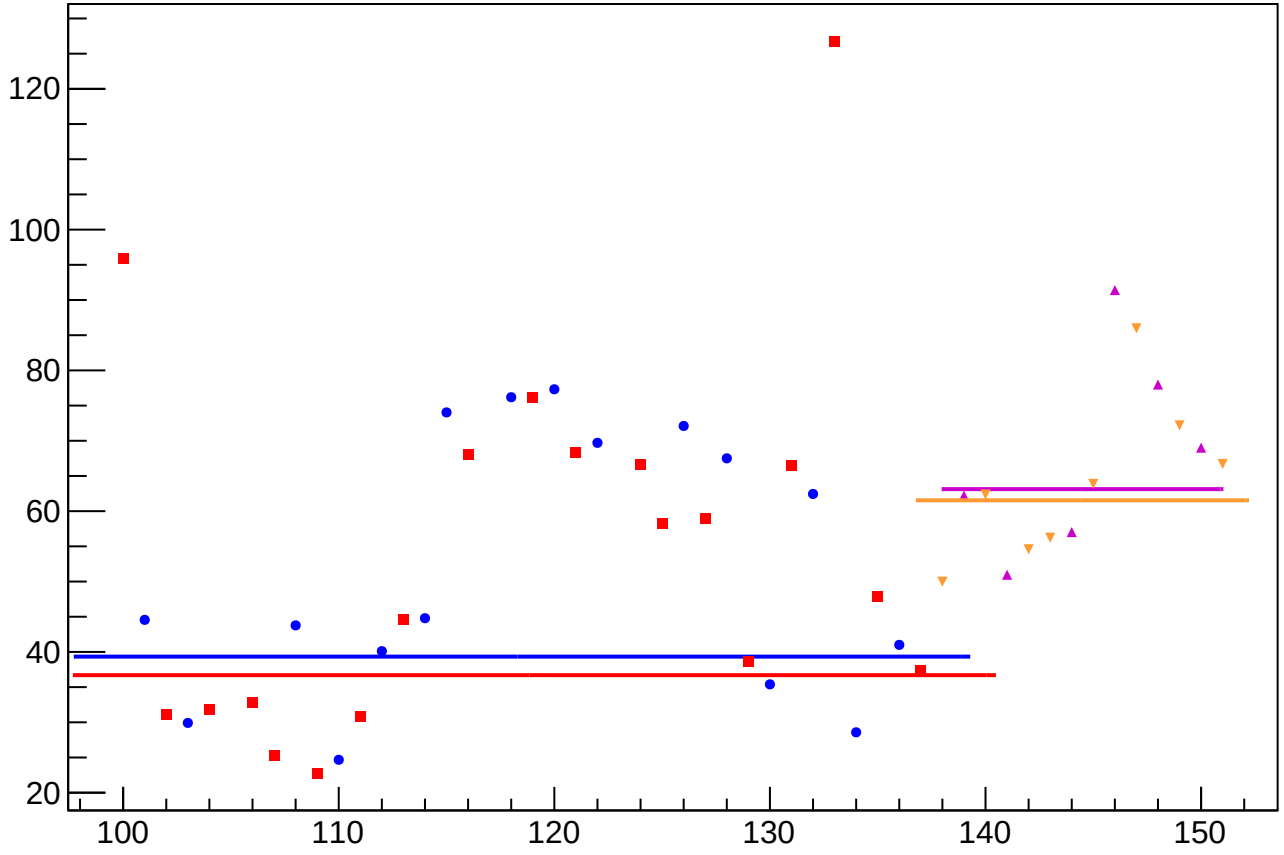
Left In: -0.015+/-0.028 χ^2/NDF:3.5/5

+ sign 0.030+/-0.014 χ^2/NDF: 39.8/23

All: 0.016+/-0.010 χ^2/NDF: 66.1/48

- sign 0.002+/-0.013 χ^2/NDF: 24.1/24

asym_sam6_dit_vs_cor_diff_rms vs Slug



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 61.541+/-0.018 χ^2/NDF:285803.3/7

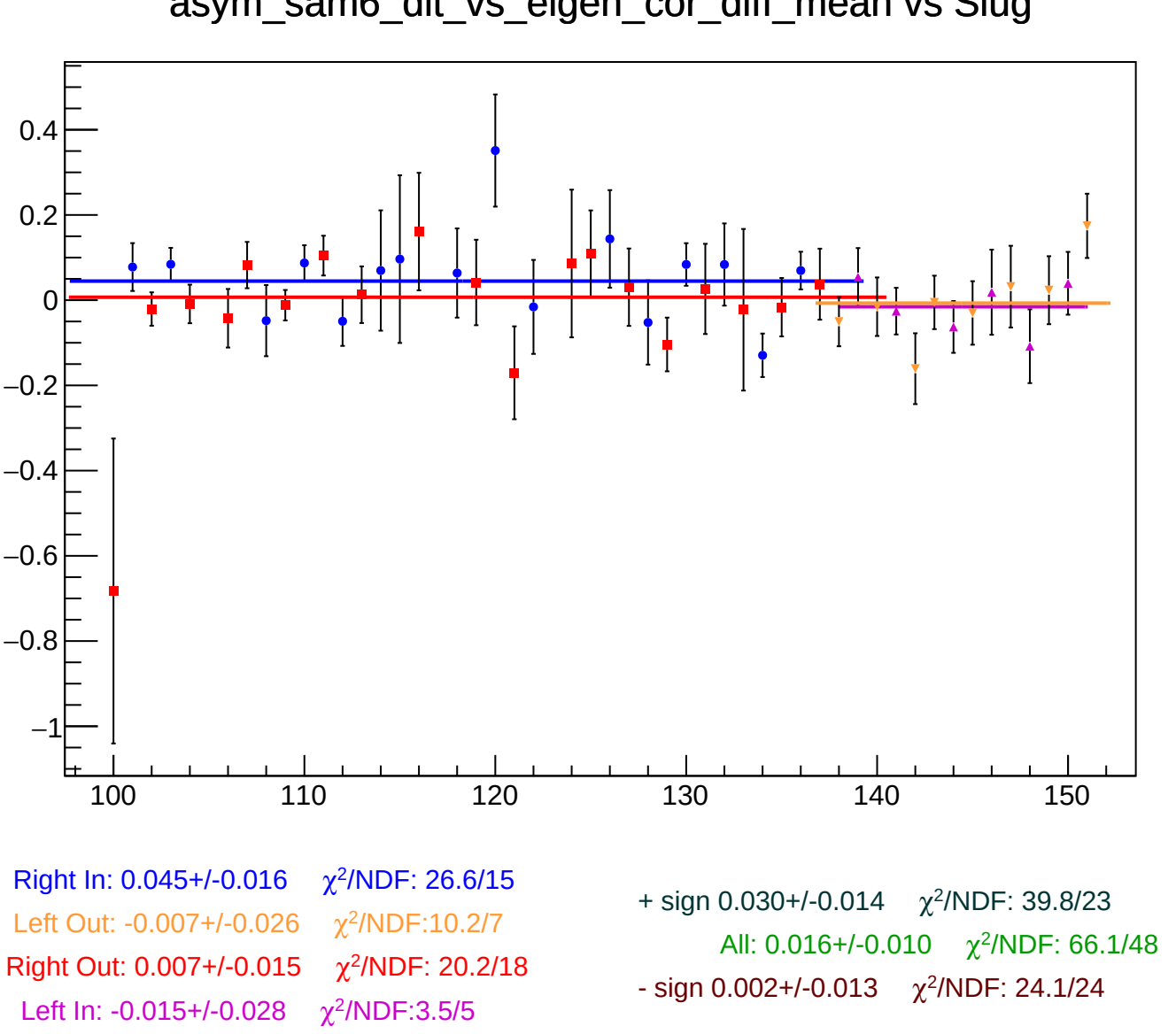
Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 63.130+/-0.020 χ^2/NDF:351403.4/5

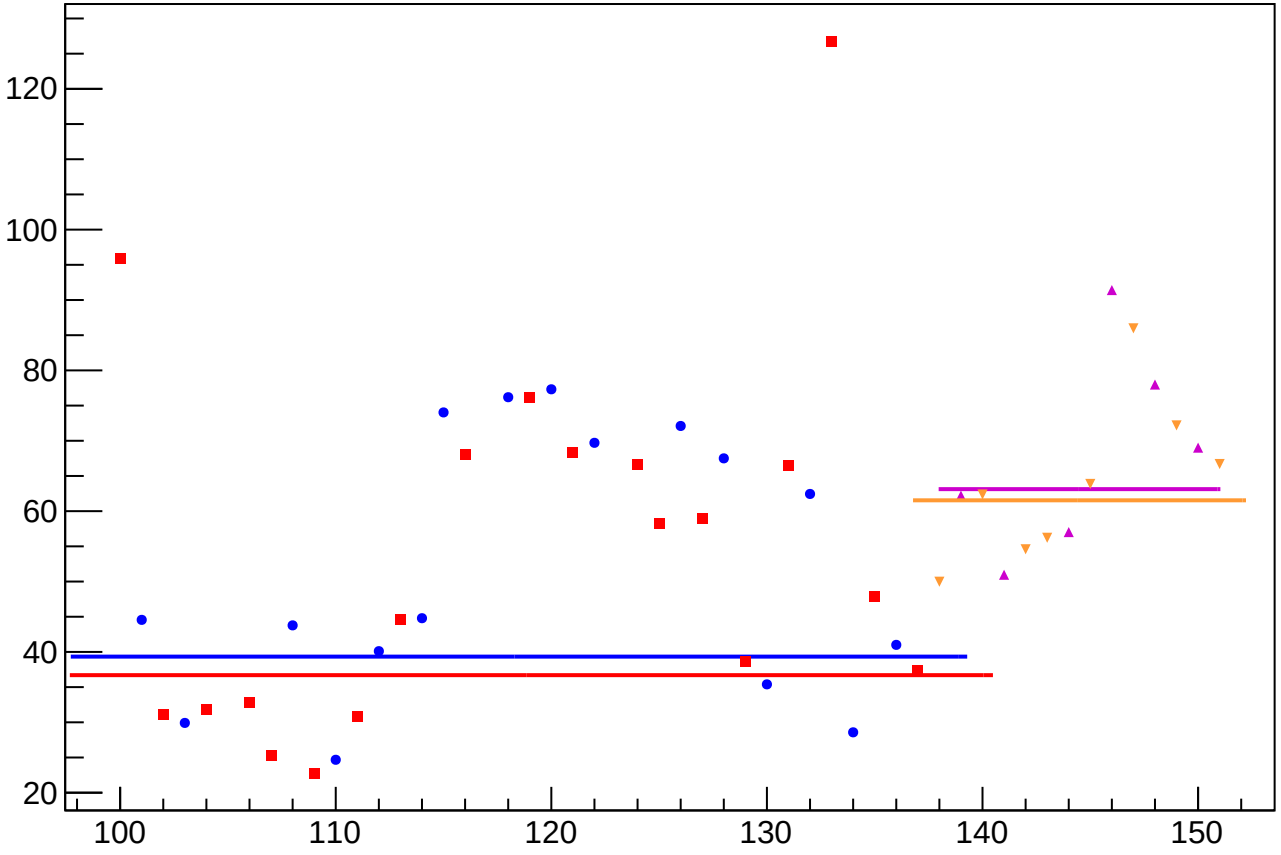
+ sign 45.604+/-0.010 χ^2/NDF: 2937103.7/23

All: 44.038+/-0.007 χ^2/NDF: 6786029.2/48

- sign 42.524+/-0.009 χ^2/NDF: 3796540.9/24


asym_sam6_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
110
120
130
140
150
Right In: 0.045+/-0.016 χ²/NDF: 26.6/15
Left Out: -0.007+/-0.026 χ²/NDF:10.2/7
Right Out: 0.007+/-0.015 χ²/NDF: 20.2/18
Left In: -0.015+/-0.028 χ²/NDF:3.5/5
+ sign 0.030+/-0.014 χ²/NDF: 39.8/23
All: 0.016+/-0.010 χ²/NDF: 66.1/48
- sign 0.002+/-0.013 χ²/NDF: 24.1/24

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 61.541+/-0.018 χ^2/NDF:285803.3/7

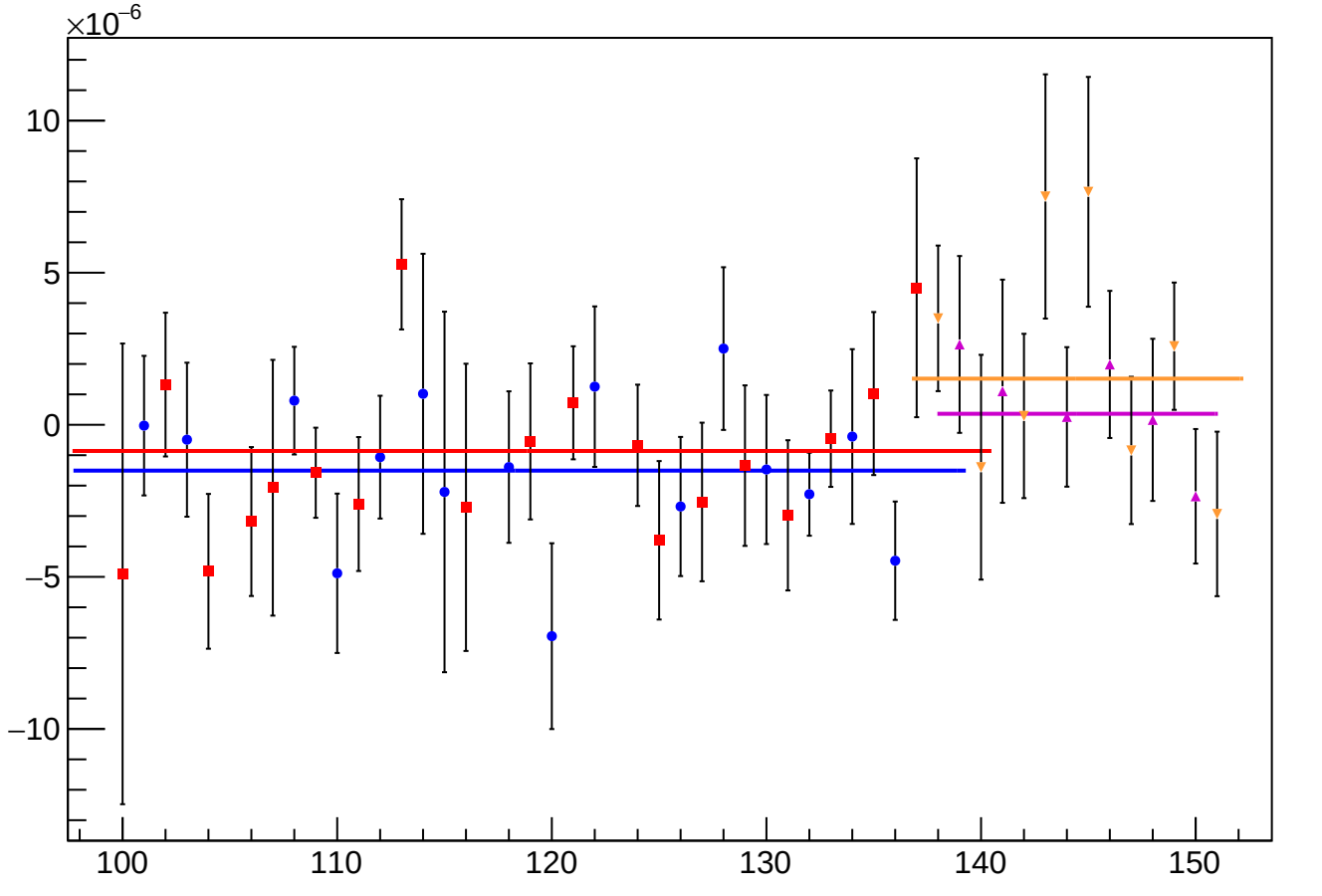
Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 63.130+/-0.020 χ^2/NDF:351403.4/5

\+ sign 45.604+/-0.010 χ^2/NDF: 2937103.7/23

All: 44.038+/-0.007 χ^2/NDF: 6786029.2/48

\- sign 42.524+/-0.009 χ^2/NDF: 3796540.9/24



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.3/7

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

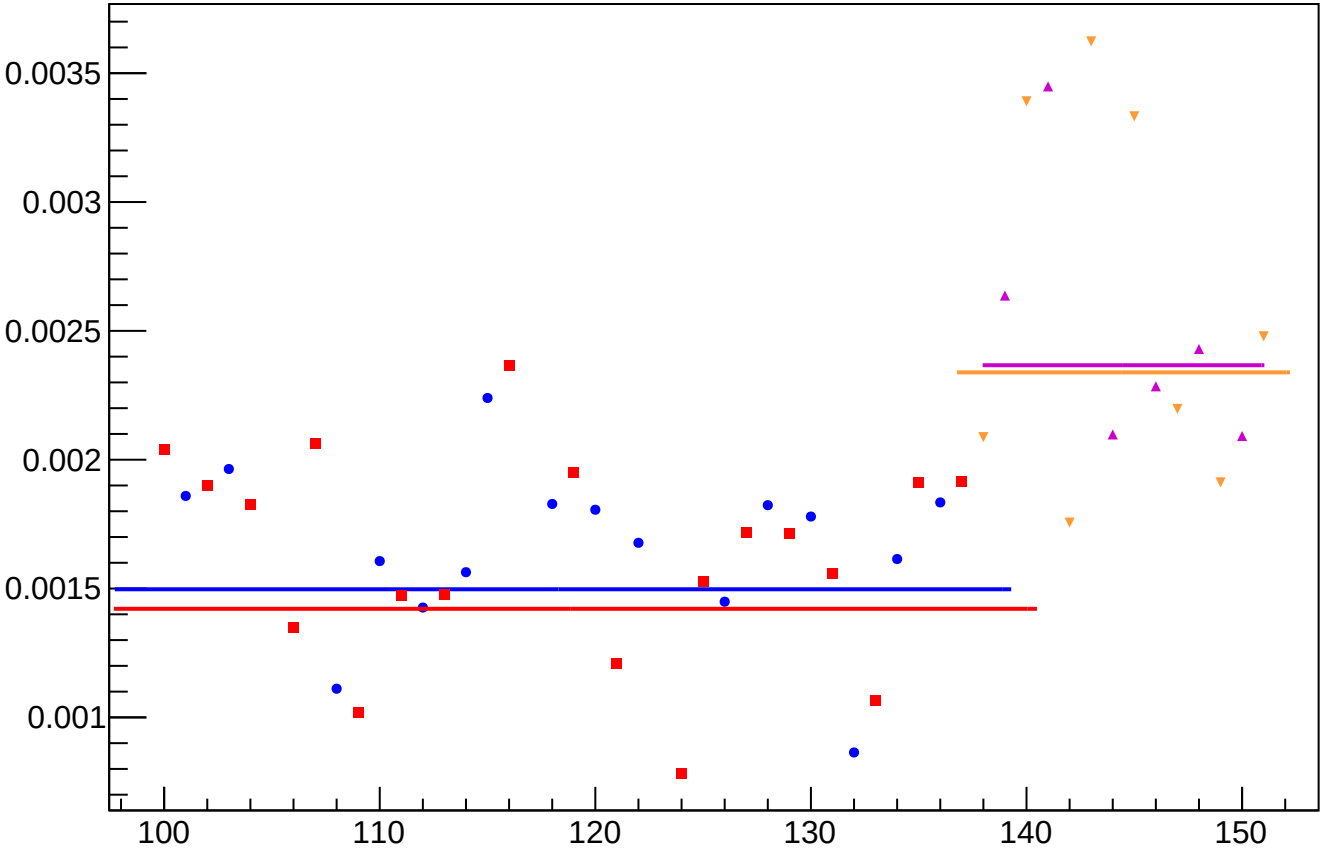
Left In: 0.000+/-0.000 χ^2/NDF:2.6/5

+ sign -0.000+/-0.000 χ^2/NDF: 31.3/23

All: -0.000+/-0.000 χ^2/NDF: 54.1/48

- sign -0.000+/-0.000 χ^2/NDF: 22.8/24

asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 867330.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:715879.1/7

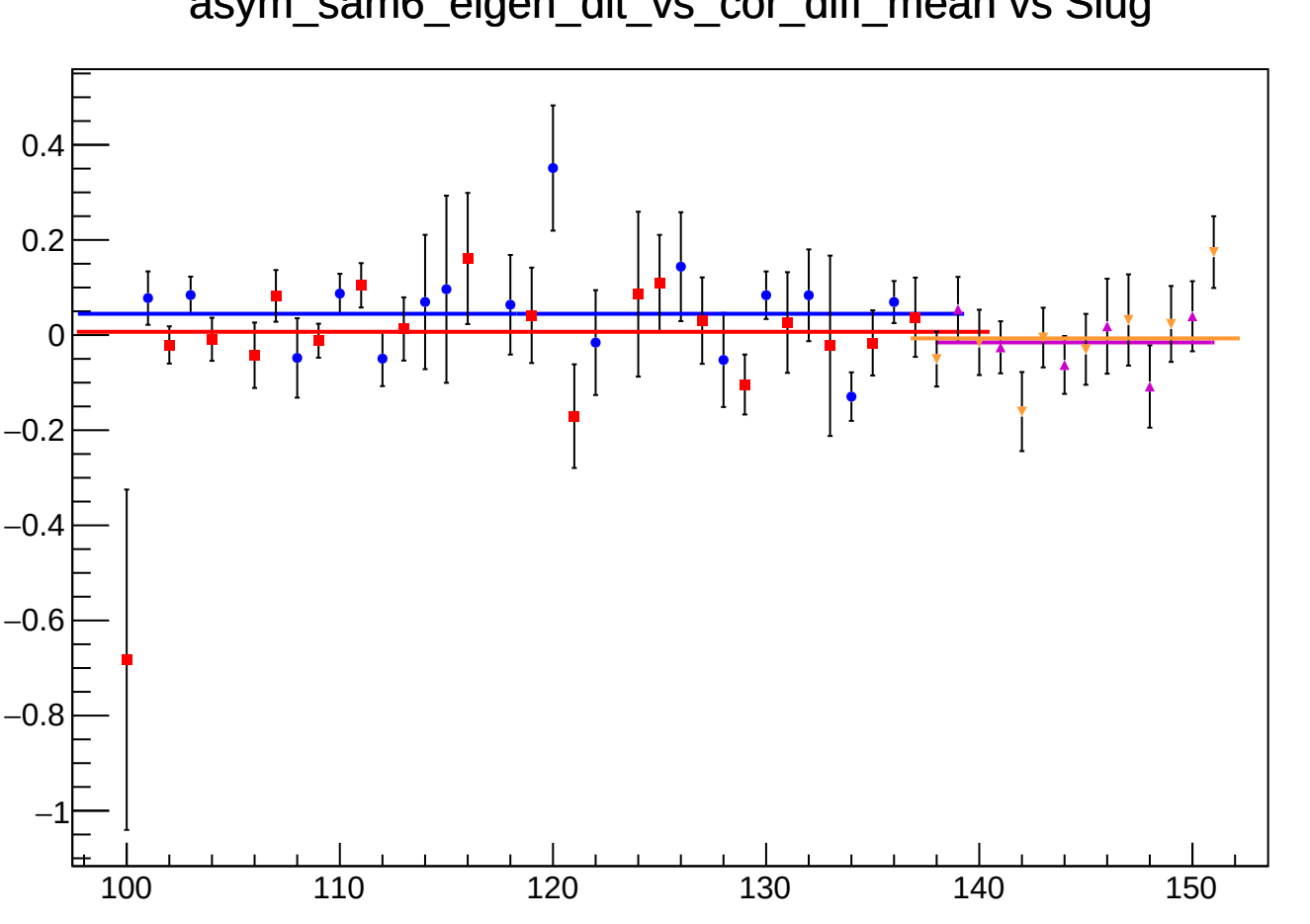
Right Out: 0.001+/-0.000 χ^2/NDF: 998047.4/18

Left In: 0.002+/-0.000 χ^2/NDF:253037.5/5

+ sign 0.002+/-0.000 χ^2/NDF: 2683999.2/23

All: 0.002+/-0.000 χ^2/NDF: 5244567.6/48

- sign 0.002+/-0.000 χ^2/NDF: 2520650.8/24



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.007+/-0.026 χ^2/NDF:10.2/7

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

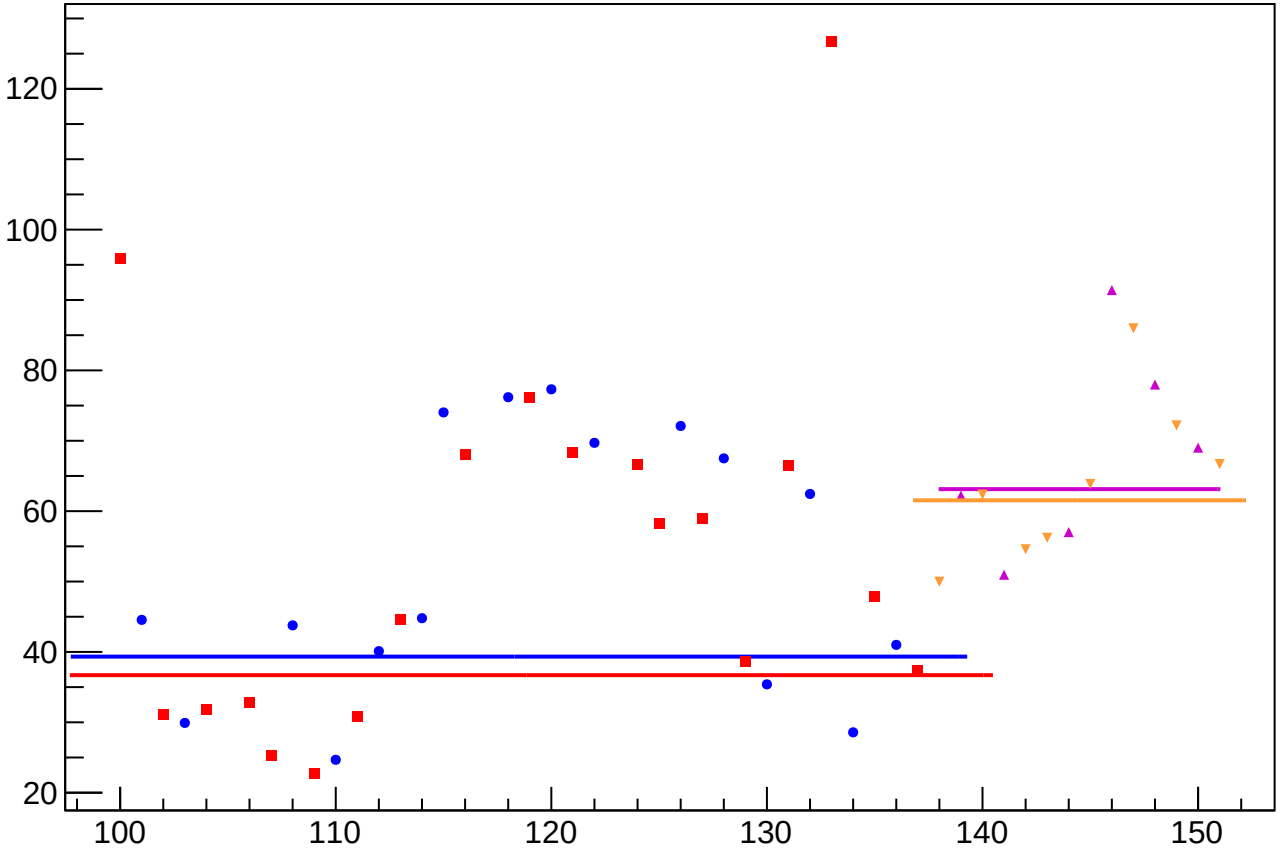
Left In: -0.015+/-0.028 χ^2/NDF:3.5/5

+ sign 0.030+/-0.014 χ^2/NDF: 39.8/23

All: 0.016+/-0.010 χ^2/NDF: 66.1/48

- sign 0.002+/-0.013 χ^2/NDF: 24.1/24

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 61.540+/-0.018 χ^2/NDF:285793.3/7

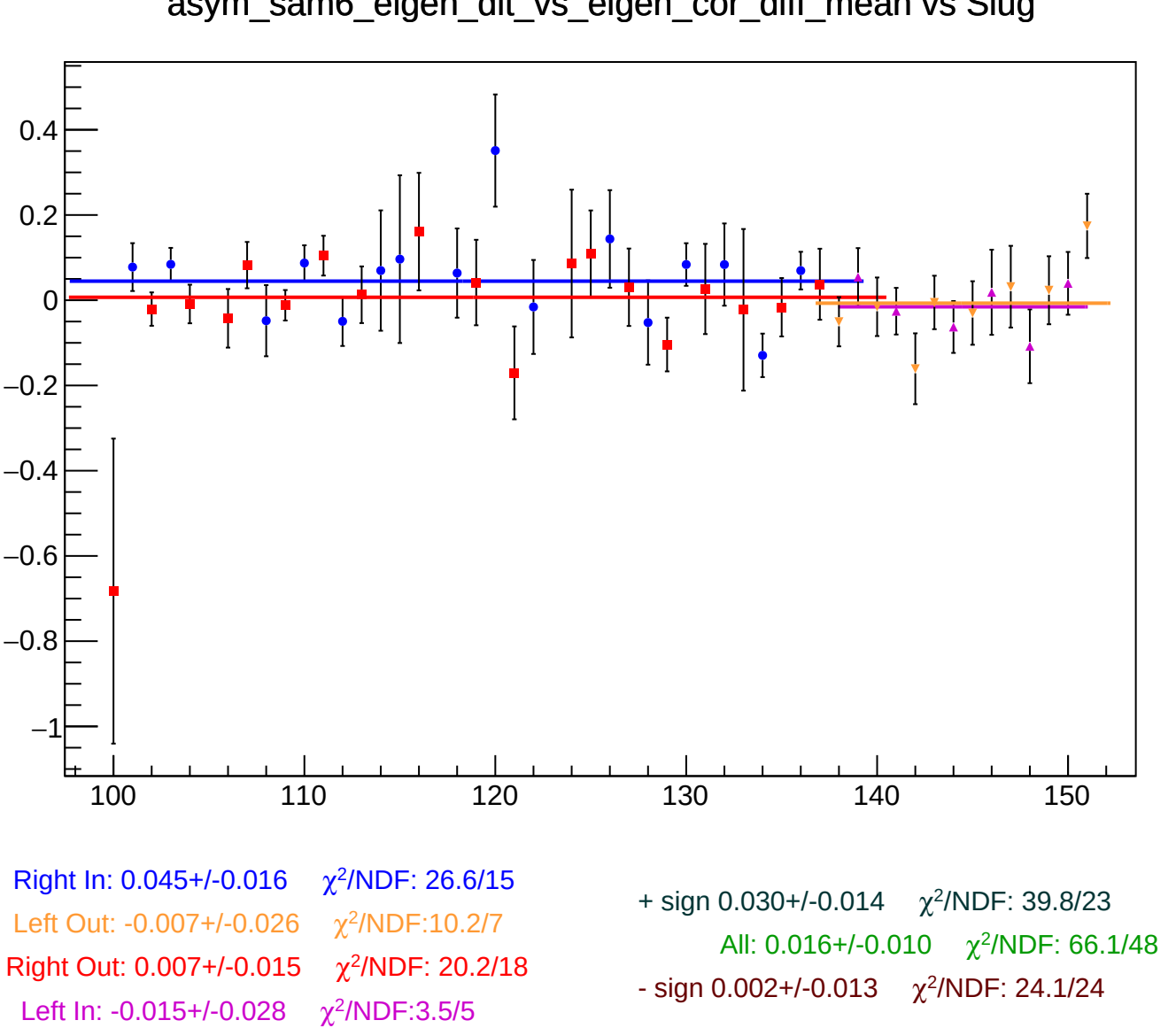
Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 63.129+/-0.020 χ^2/NDF:351413.6/5

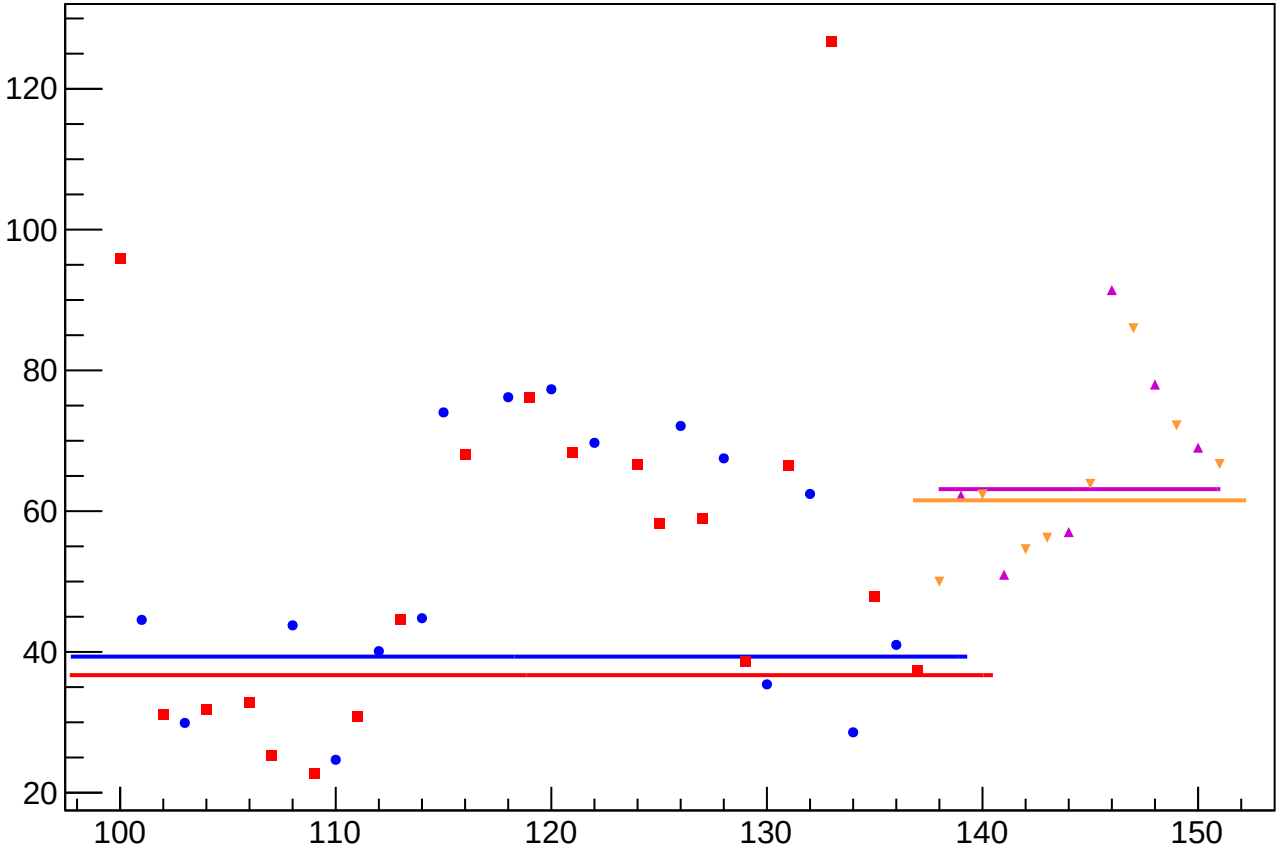
\+ sign 45.604+/-0.010 χ^2/NDF: 2937125.7/23

All: 44.037+/-0.007 χ^2/NDF: 6786027.5/48

\- sign 42.524+/-0.009 χ^2/NDF: 3796524.9/24


asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
110
120
130
140
150
Right In: 0.045+/-0.016 χ²/NDF: 26.6/15
Left Out: -0.007+/-0.026 χ²/NDF:10.2/7
Right Out: 0.007+/-0.015 χ²/NDF: 20.2/18
Left In: -0.015+/-0.028 χ²/NDF:3.5/5
+ sign 0.030+/-0.014 χ²/NDF: 39.8/23
All: 0.016+/-0.010 χ²/NDF: 66.1/48
- sign 0.002+/-0.013 χ²/NDF: 24.1/24

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: 61.540+/-0.018 χ^2/NDF:285793.3/7

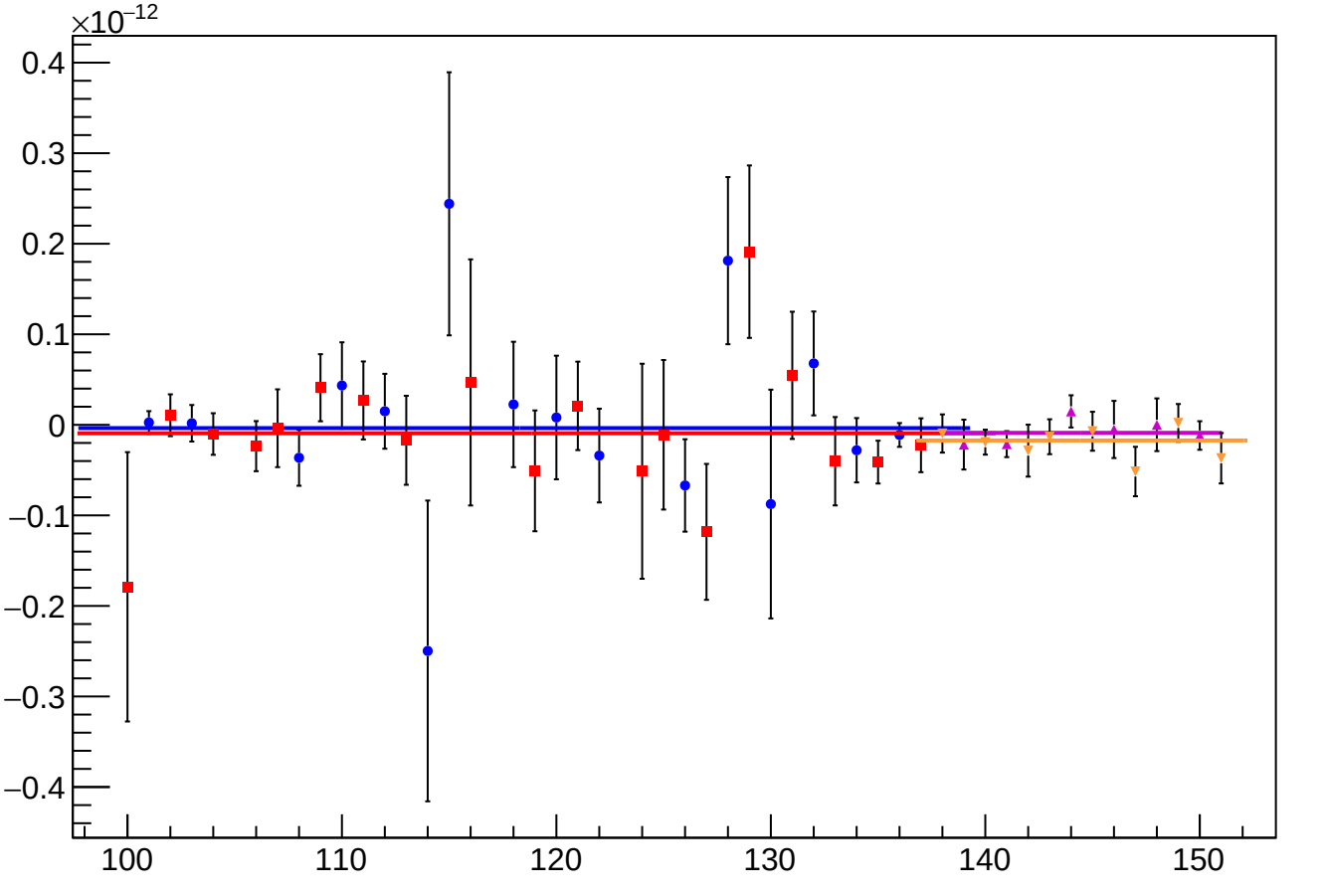
Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 63.129+/-0.020 χ^2/NDF:351413.6/5

\+ sign 45.604+/-0.010 χ^2/NDF: 2937125.7/23

All: 44.037+/-0.007 χ^2/NDF: 6786027.5/48

\- sign 42.524+/-0.009 χ^2/NDF: 3796524.9/24



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.5/7

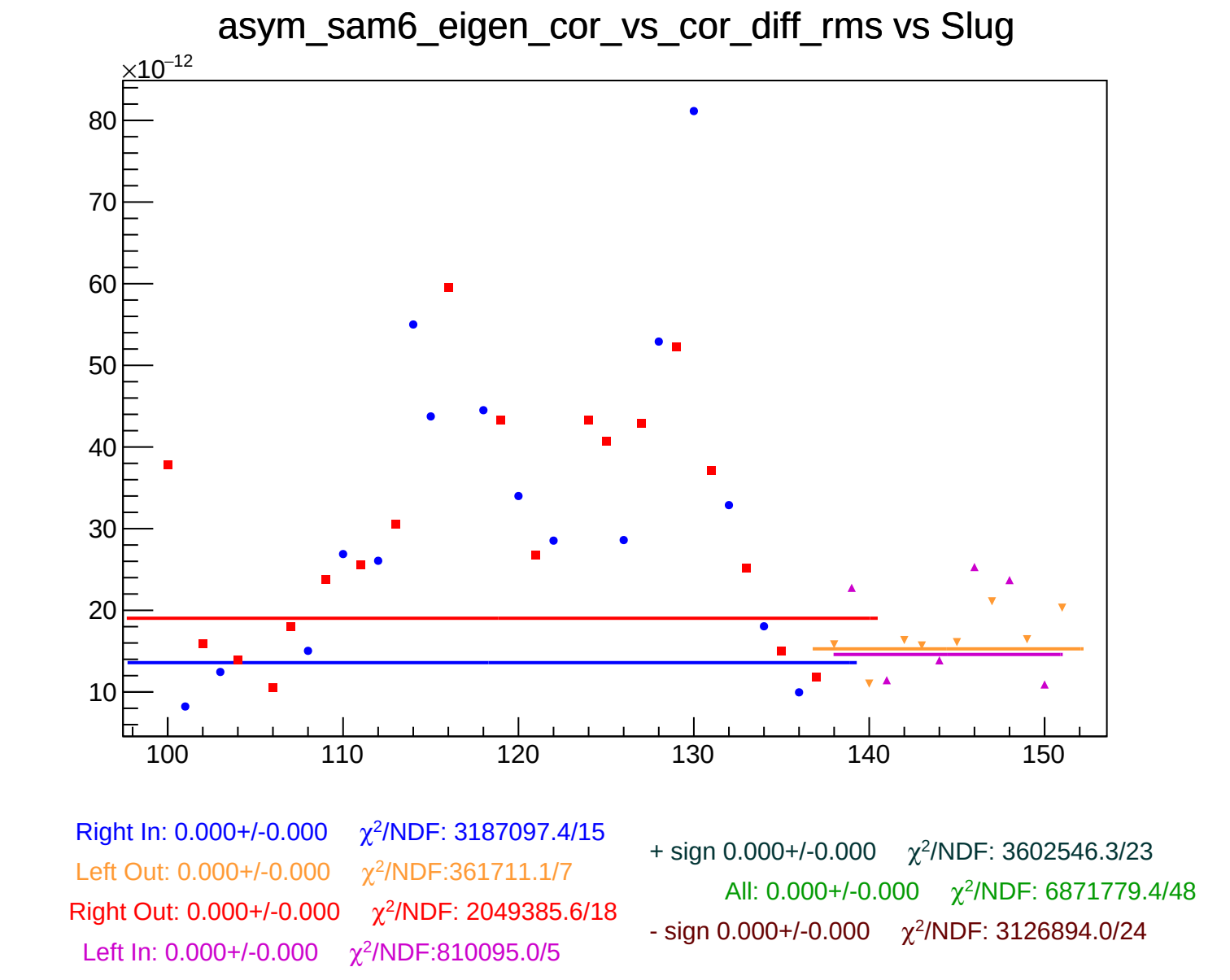
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: -0.000+/-0.000 χ^2/NDF:2.9/5

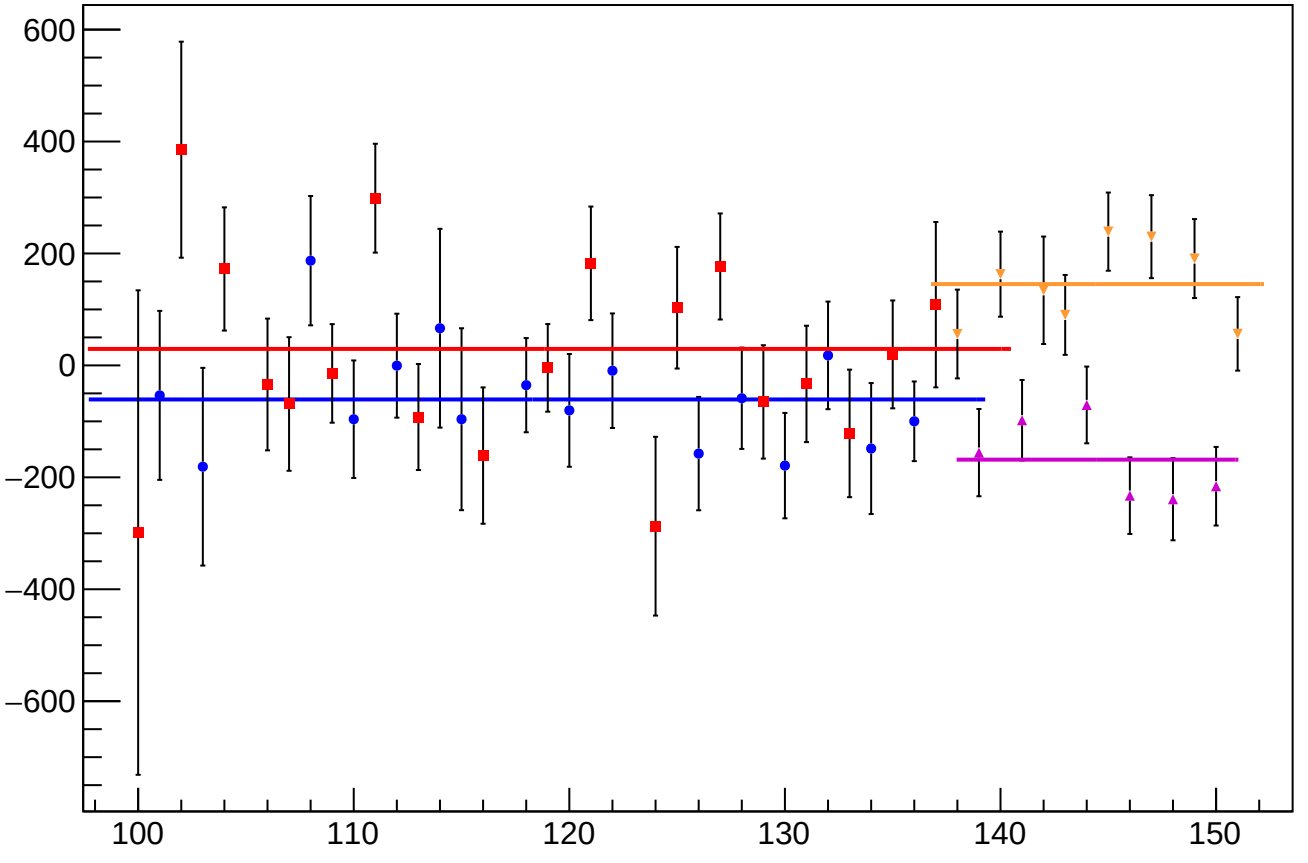
+ sign -0.000+/-0.000 χ^2/NDF: 21.8/23

All: -0.000+/-0.000 χ^2/NDF: 40.5/48

- sign -0.000+/-0.000 χ^2/NDF: 18.6/24


asym_sam6_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3187097.4/15
Left Out: 0.000+/-0.000 χ²/NDF:361711.1/7
Right Out: 0.000+/-0.000 χ²/NDF: 2049385.6/18
Left In: 0.000+/-0.000 χ²/NDF:810095.0/5
+ sign 0.000+/-0.000 χ²/NDF: 3602546.3/23
All: 0.000+/-0.000 χ²/NDF: 6871779.4/48
- sign 0.000+/-0.000 χ²/NDF: 3126894.0/24

reg_asym_sam7_mean vs Slug



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 145.297+/-26.203 χ^2/NDF:7.3/7

Right Out: 29.453+/-25.105 χ^2/NDF: 31.2/18

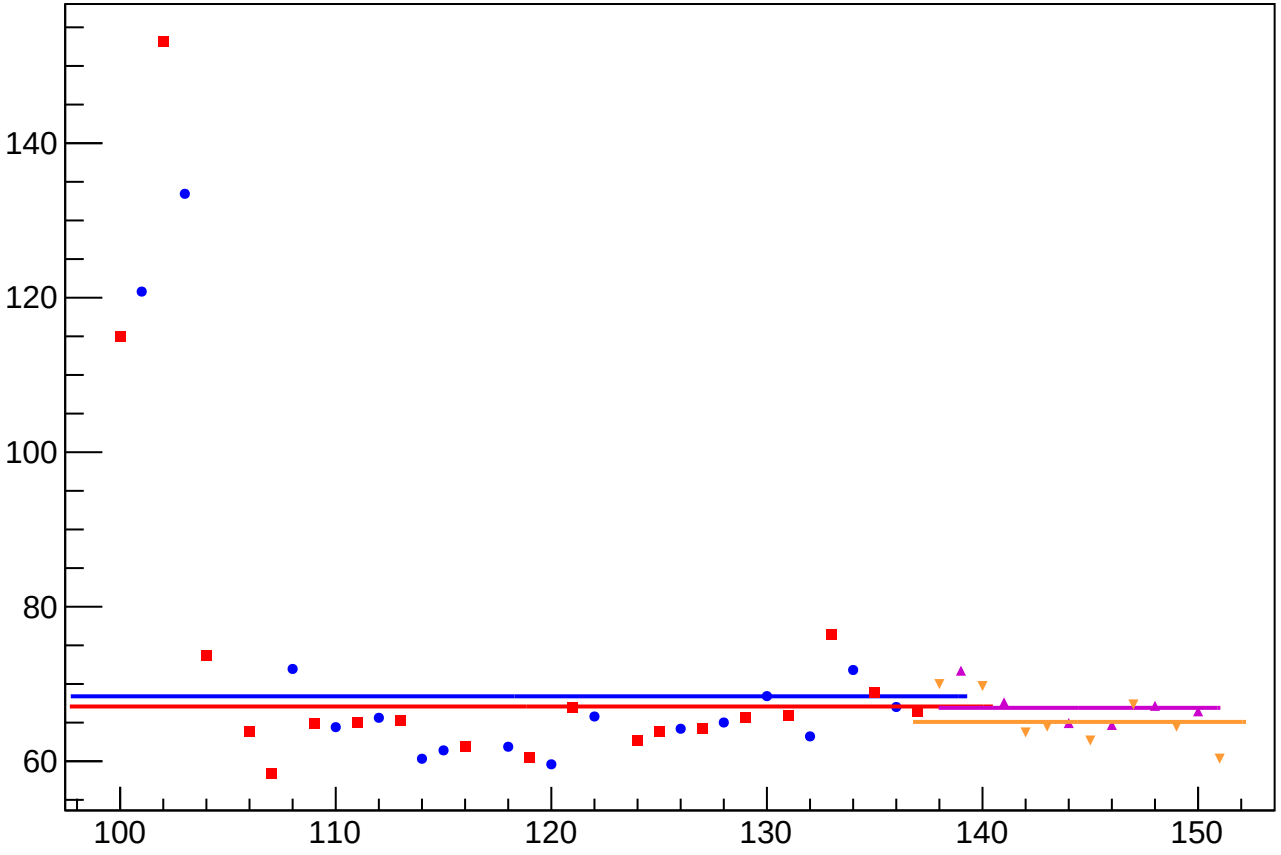
Left In: -168.408+/-29.203 χ^2/NDF:5.3/5

+ sign 41.635+/-18.475 χ^2/NDF: 49.0/23

All: -5.057+/-13.258 χ^2/NDF: 125.0/48

- sign -54.634+/-19.037 χ^2/NDF: 62.9/24

reg_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 65.090+/-0.019 χ^2/NDF:30524.2/7

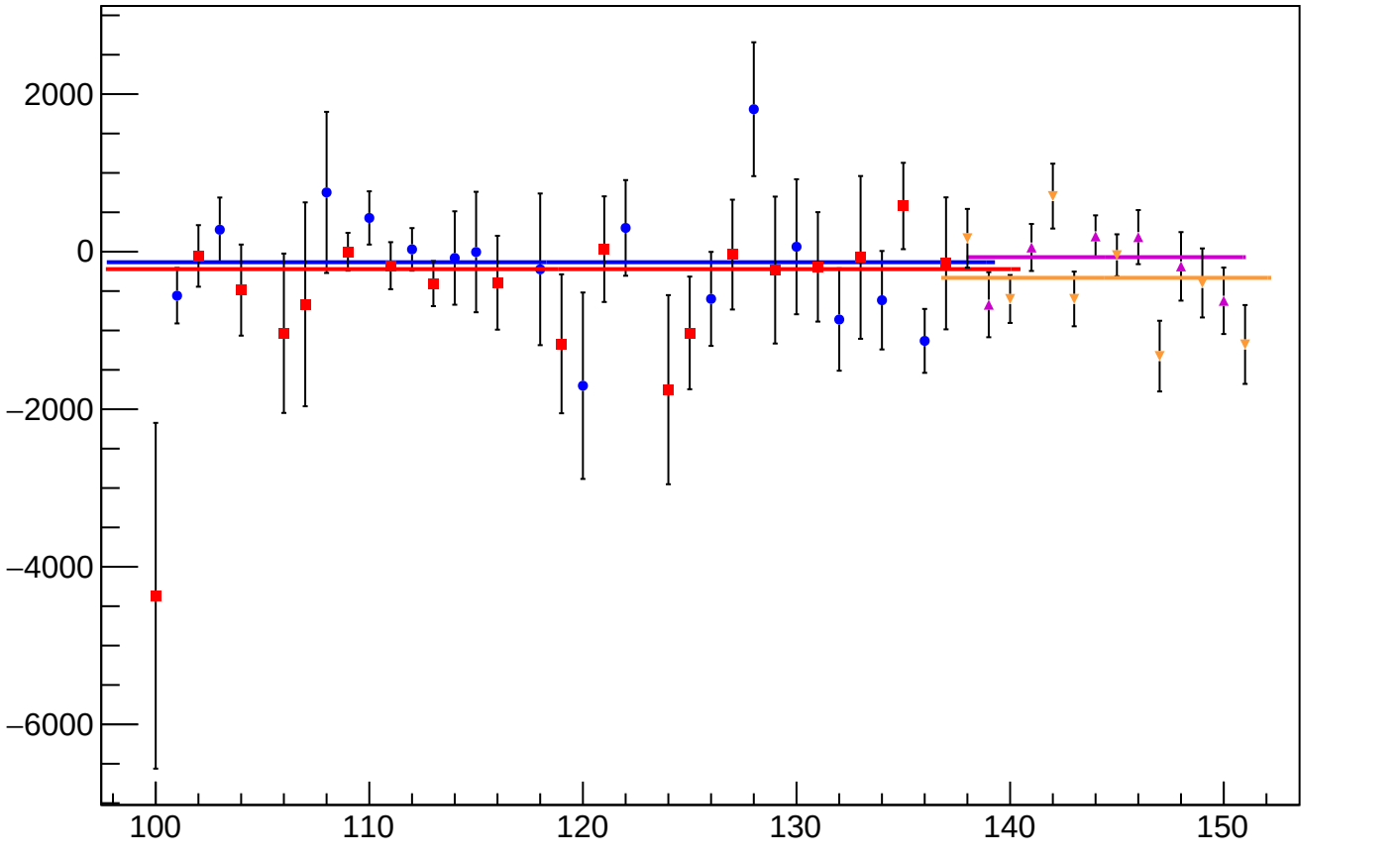
Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

Left In: 66.912+/-0.021 χ^2/NDF:11653.7/5

+ sign 66.756+/-0.013 χ^2/NDF: 616161.4/23

All: 66.880+/-0.009 χ^2/NDF: 1109856.8/48

- sign 67.012+/-0.013 χ^2/NDF: 493509.7/24



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -332.087+/-128.593 χ^2/NDF:18.5/7

Right Out: -221.324+/-117.783 χ^2/NDF: 12.5/18

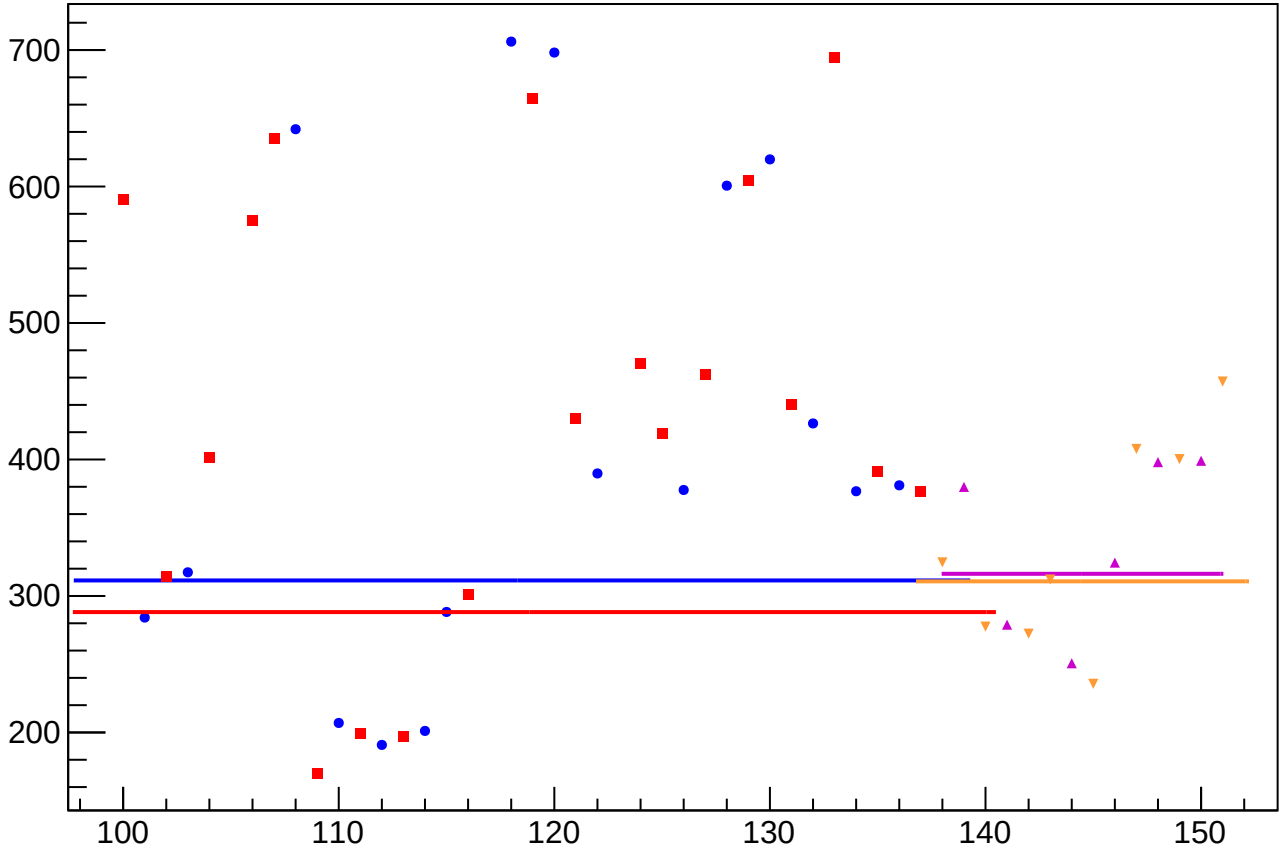
Left In: -69.620+/-140.634 χ^2/NDF:5.6/5

+ sign -230.741+/-89.963 χ^2/NDF: 42.2/23

All: -194.896+/-63.731 χ^2/NDF: 61.3/48

- sign -158.783+/-90.297 χ^2/NDF: 18.9/24

asym_sam7_reg_correction_rms vs Slug



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 310.722+/-0.091 χ^2/NDF:550997.3/7

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

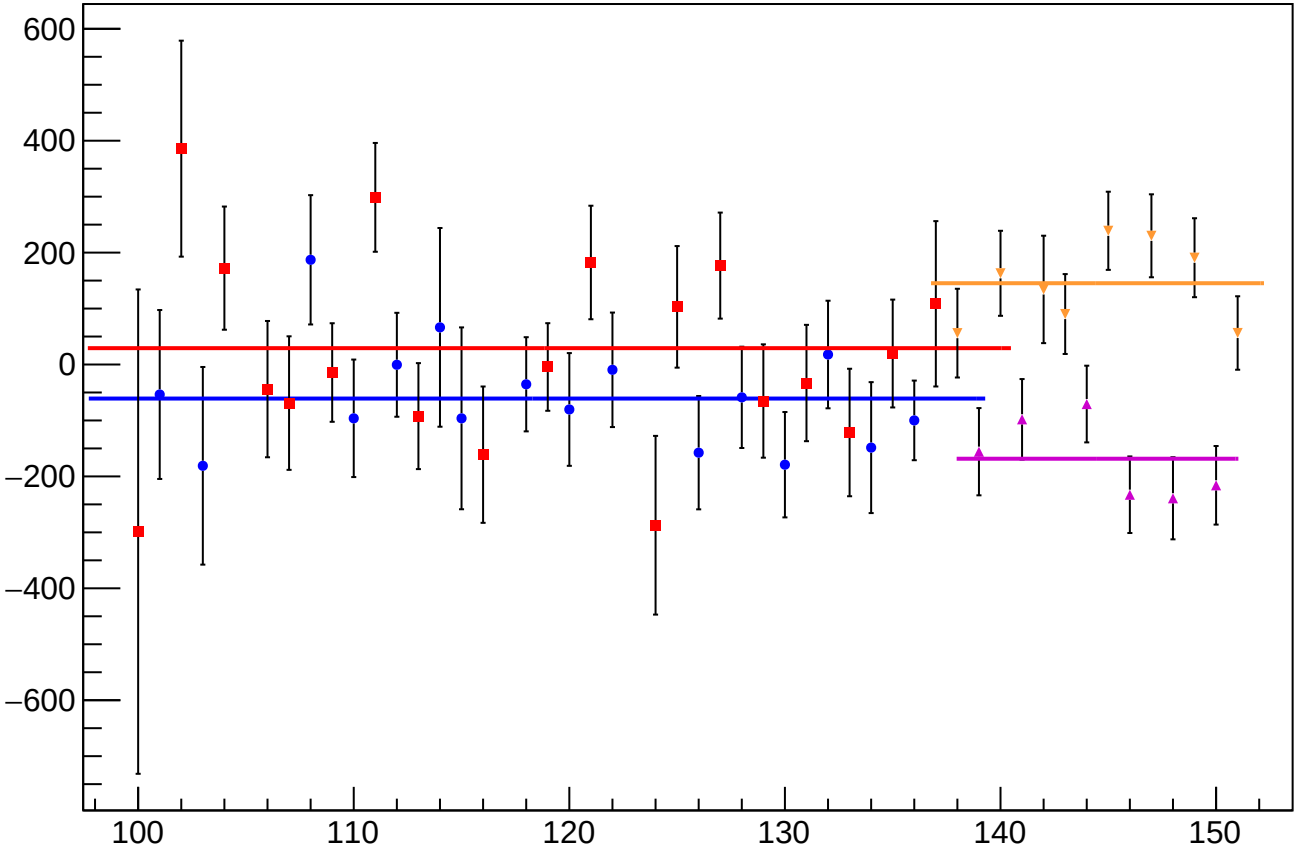
Left In: 316.253+/-0.099 χ^2/NDF:348525.0/5

+ sign 311.061+/-0.064 χ^2/NDF: 2674822.2/23

All: 305.435+/-0.045 χ^2/NDF: 5801183.0/48

- sign 299.768+/-0.064 χ^2/NDF: 3110660.9/24

cor_asym_sam7_mean vs Slug



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 145.298+/-26.203 χ^2/NDF:7.3/7

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

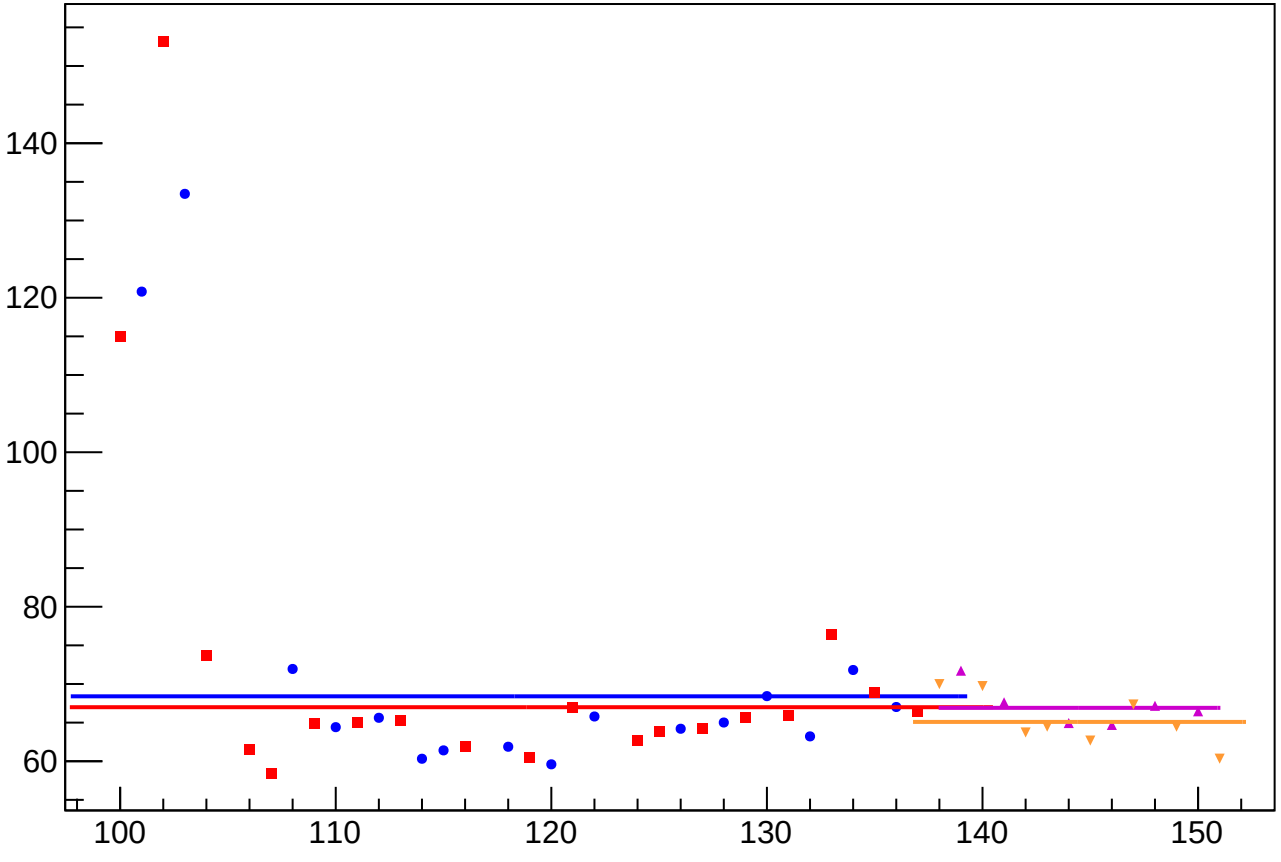
Left In: -168.406+/-29.203 χ^2/NDF:5.3/5

+ sign 41.635+/-18.475 χ^2/NDF: 49.0/23

All: -5.151+/-13.264 χ^2/NDF: 125.1/48

- sign -54.912+/-19.054 χ^2/NDF: 62.9/24

cor_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 65.090+/-0.019 χ^2/NDF:30524.2/7

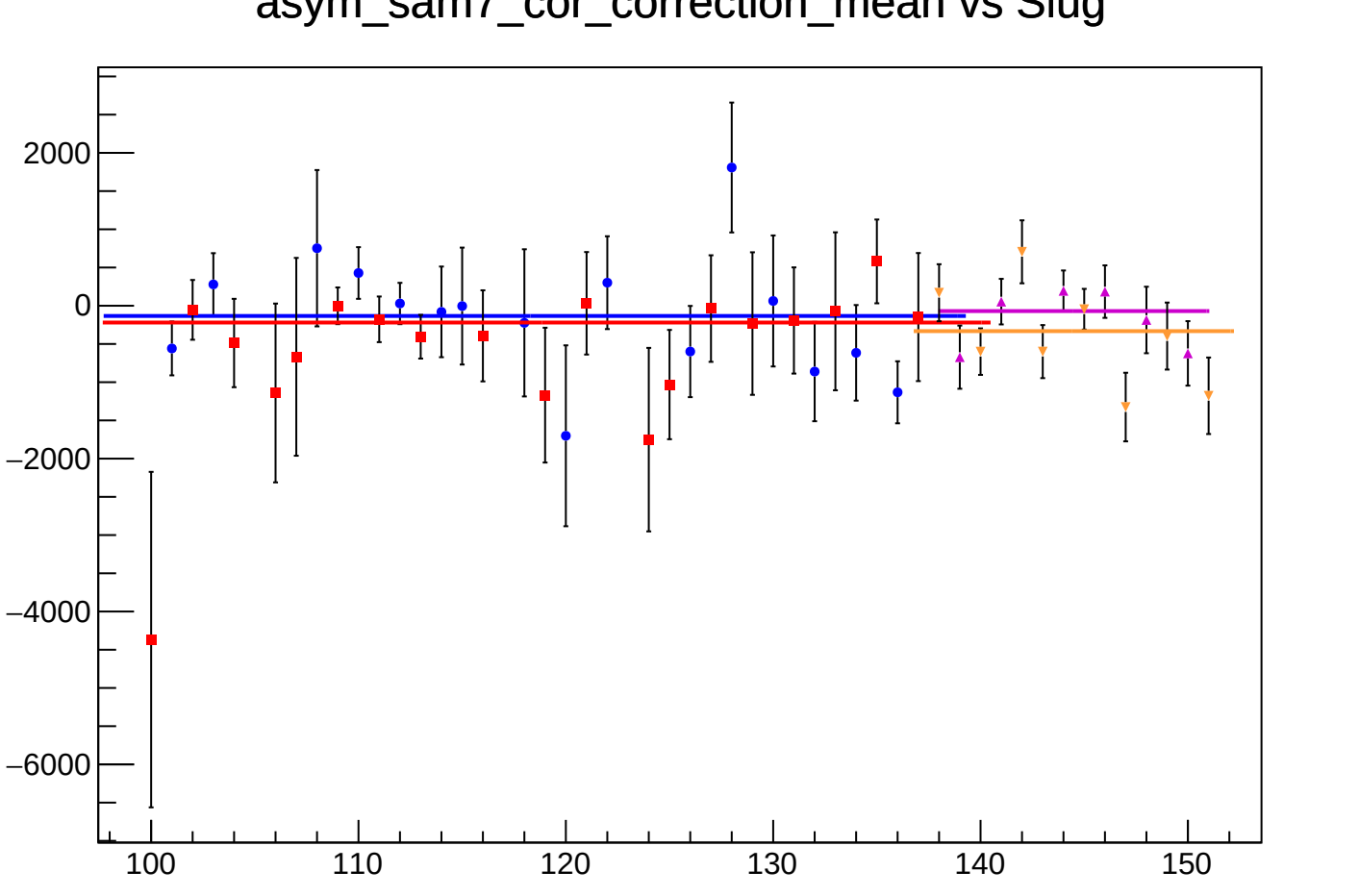
Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 66.912+/-0.021 χ^2/NDF:11653.7/5

+ sign 66.756+/-0.013 χ^2/NDF: 616161.8/23

All: 66.855+/-0.009 χ^2/NDF: 1112429.6/48

- sign 66.959+/-0.013 χ^2/NDF: 496150.7/24



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -332.084+/-128.593 χ^2/NDF:18.5/7

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

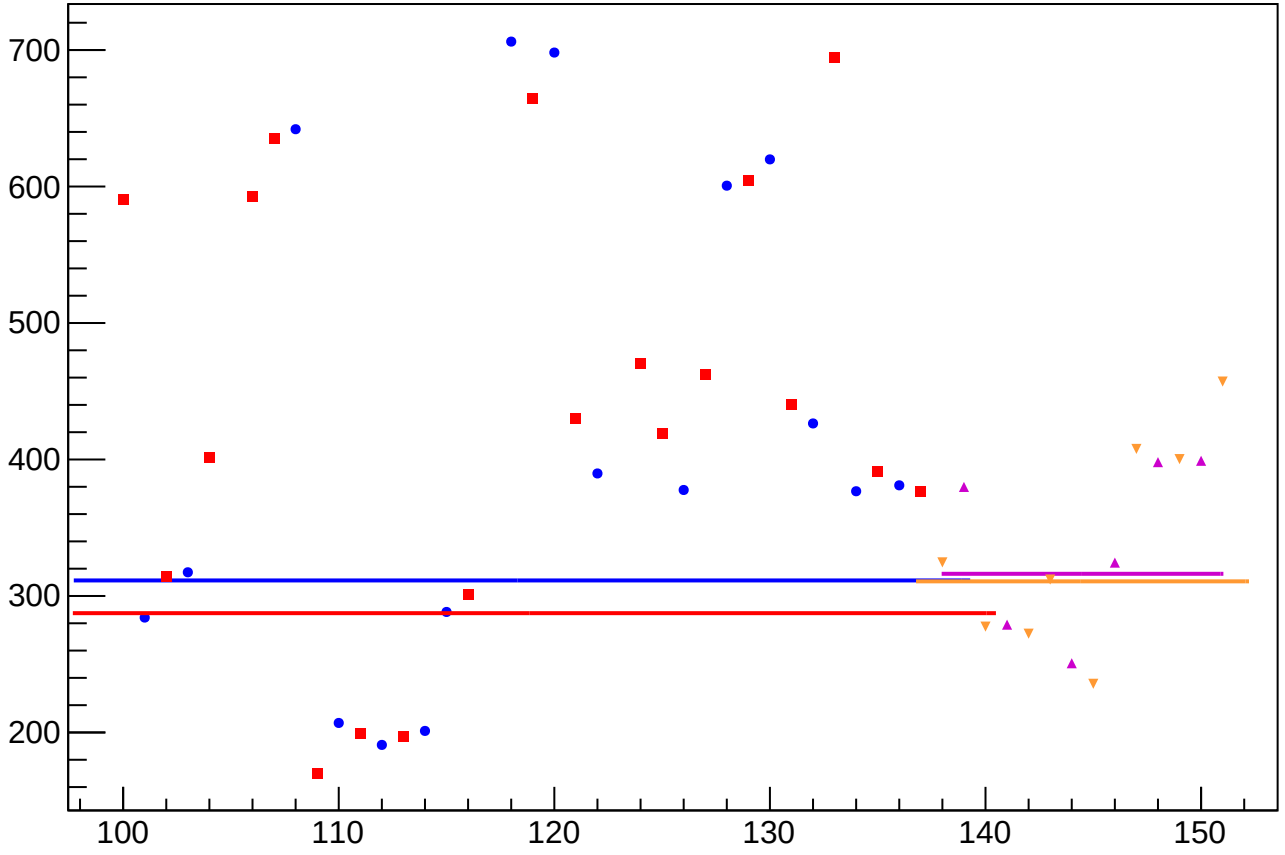
Left In: -69.616+/-140.635 χ^2/NDF:5.6/5

+ sign -230.739+/-89.963 χ^2/NDF: 42.2/23

All: -194.367+/-63.764 χ^2/NDF: 61.3/48

- sign -157.649+/-90.391 χ^2/NDF: 18.8/24

asym_sam7_cor_correction_rms vs Slug



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 310.721+/-0.091 χ^2/NDF:550999.4/7

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

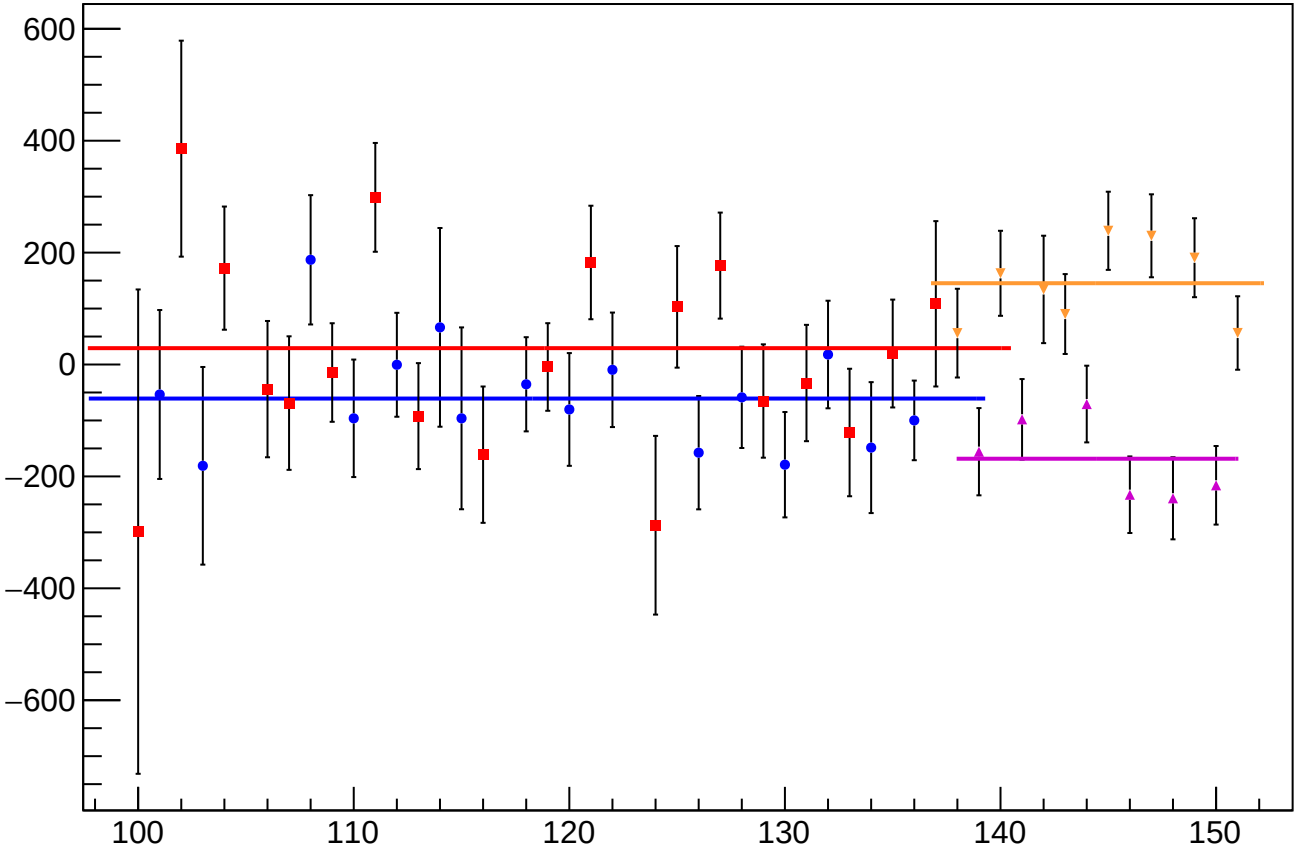
Left In: 316.253+/-0.099 χ^2/NDF:348524.0/5

+ sign 311.062+/-0.064 χ^2/NDF: 2674825.9/23

All: 305.222+/-0.045 χ^2/NDF: 5779903.5/48

- sign 299.327+/-0.064 χ^2/NDF: 3088143.6/24

eigen_cor_asym_sam7_mean vs Slug



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 145.298+/-26.203 χ^2/NDF:7.3/7

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

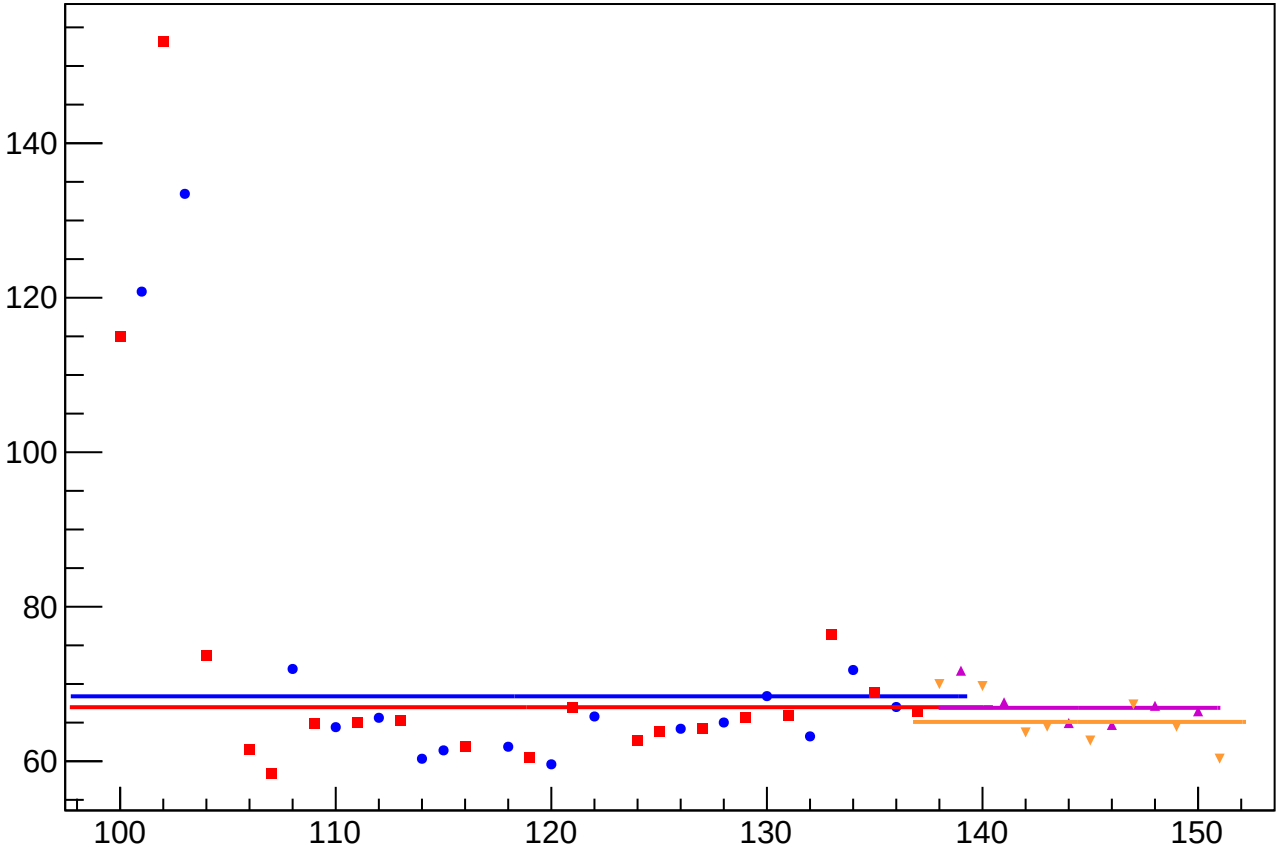
Left In: -168.406+/-29.203 χ^2/NDF:5.3/5

+ sign 41.635+/-18.475 χ^2/NDF: 49.0/23

All: -5.151+/-13.264 χ^2/NDF: 125.1/48

- sign -54.912+/-19.054 χ^2/NDF: 62.9/24

eigen_cor_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 65.090+/-0.019 χ^2/NDF:30524.2/7

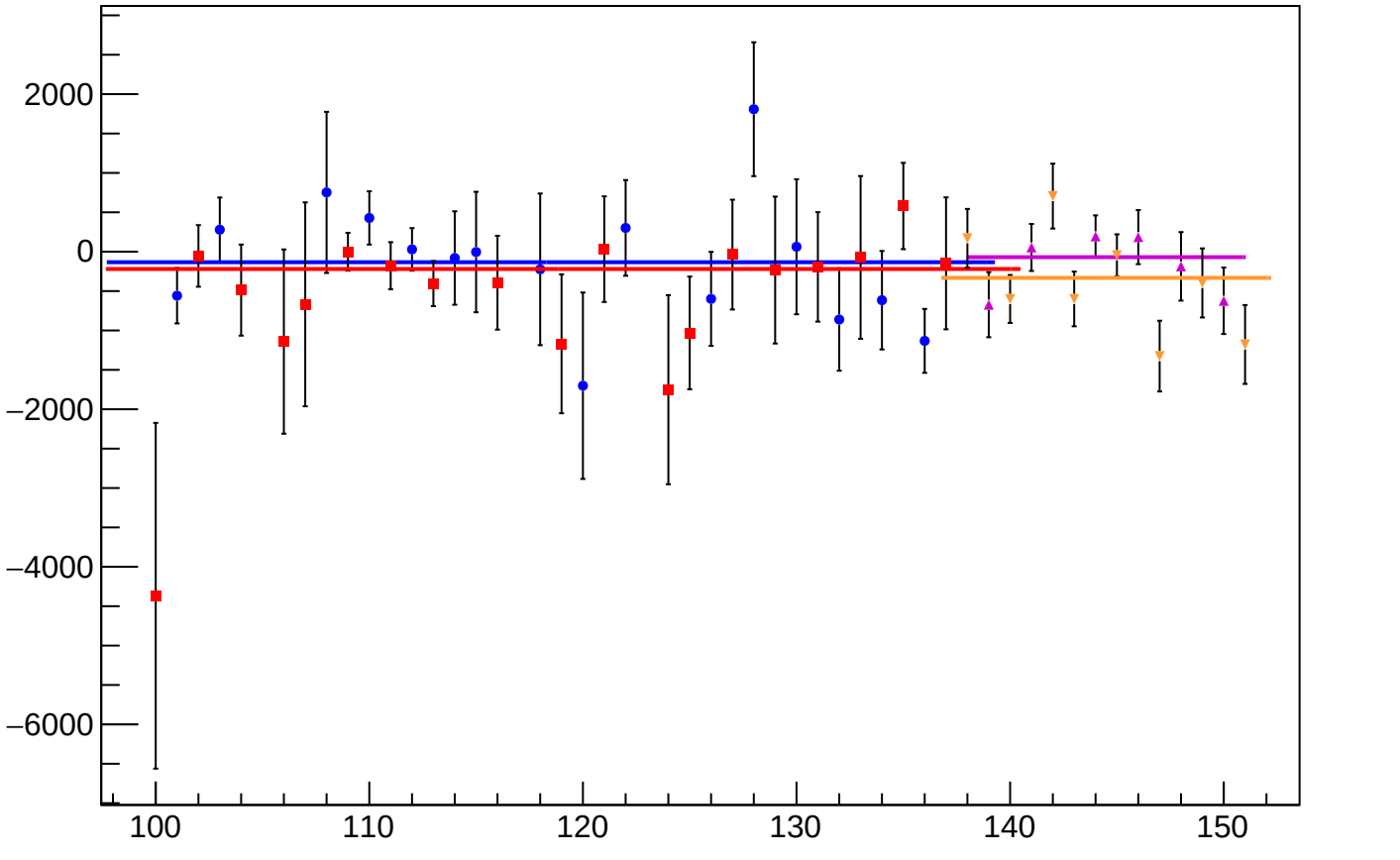
Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 66.912+/-0.021 χ^2/NDF:11653.7/5

+ sign 66.756+/-0.013 χ^2/NDF: 616161.8/23

All: 66.855+/-0.009 χ^2/NDF: 1112429.6/48

- sign 66.959+/-0.013 χ^2/NDF: 496150.7/24



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -332.084+/-128.593 χ^2/NDF:18.5/7

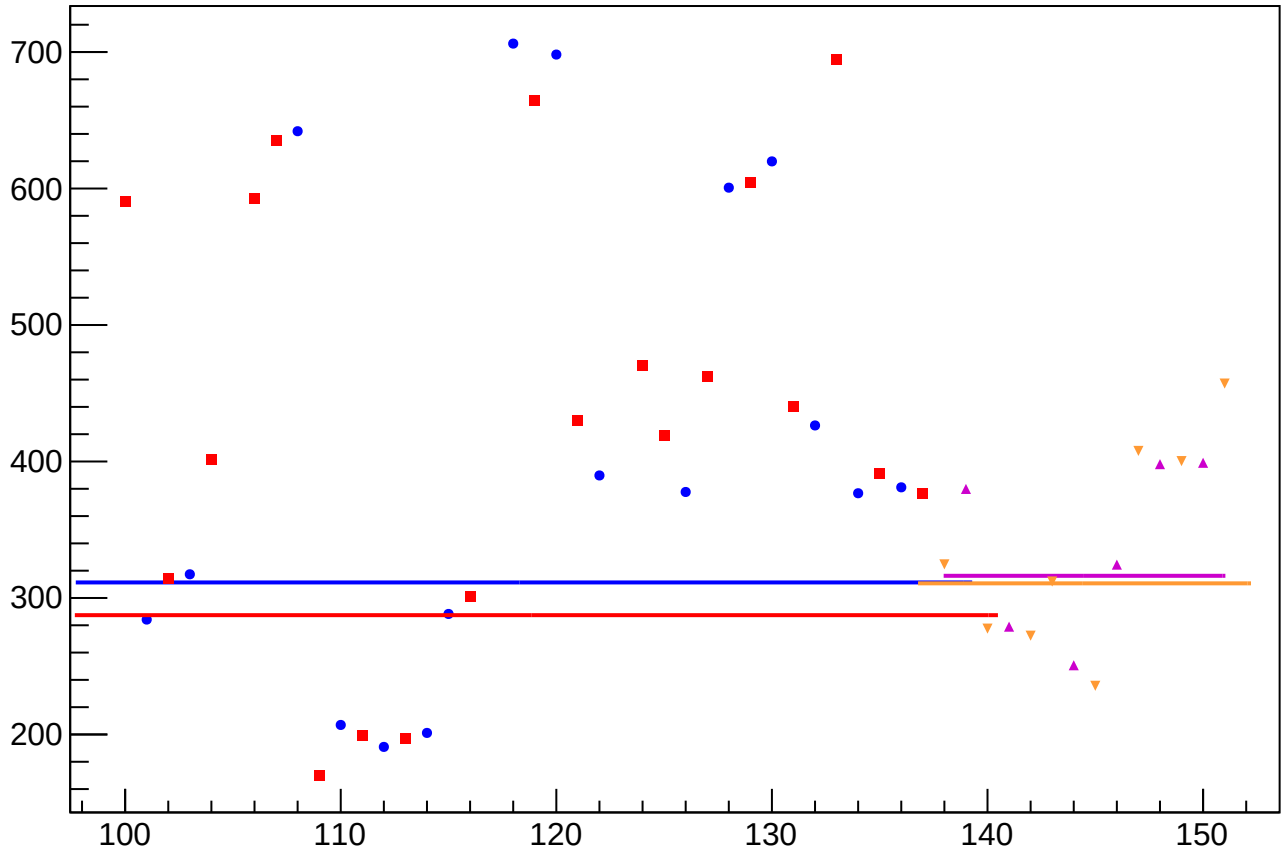
Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: -69.616+/-140.635 χ^2/NDF:5.6/5

+ sign -230.739+/-89.963 χ^2/NDF: 42.2/23

All: -194.367+/-63.764 χ^2/NDF: 61.3/48

- sign -157.649+/-90.391 χ^2/NDF: 18.8/24



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 310.721+/-0.091 χ^2/NDF:550999.4/7

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

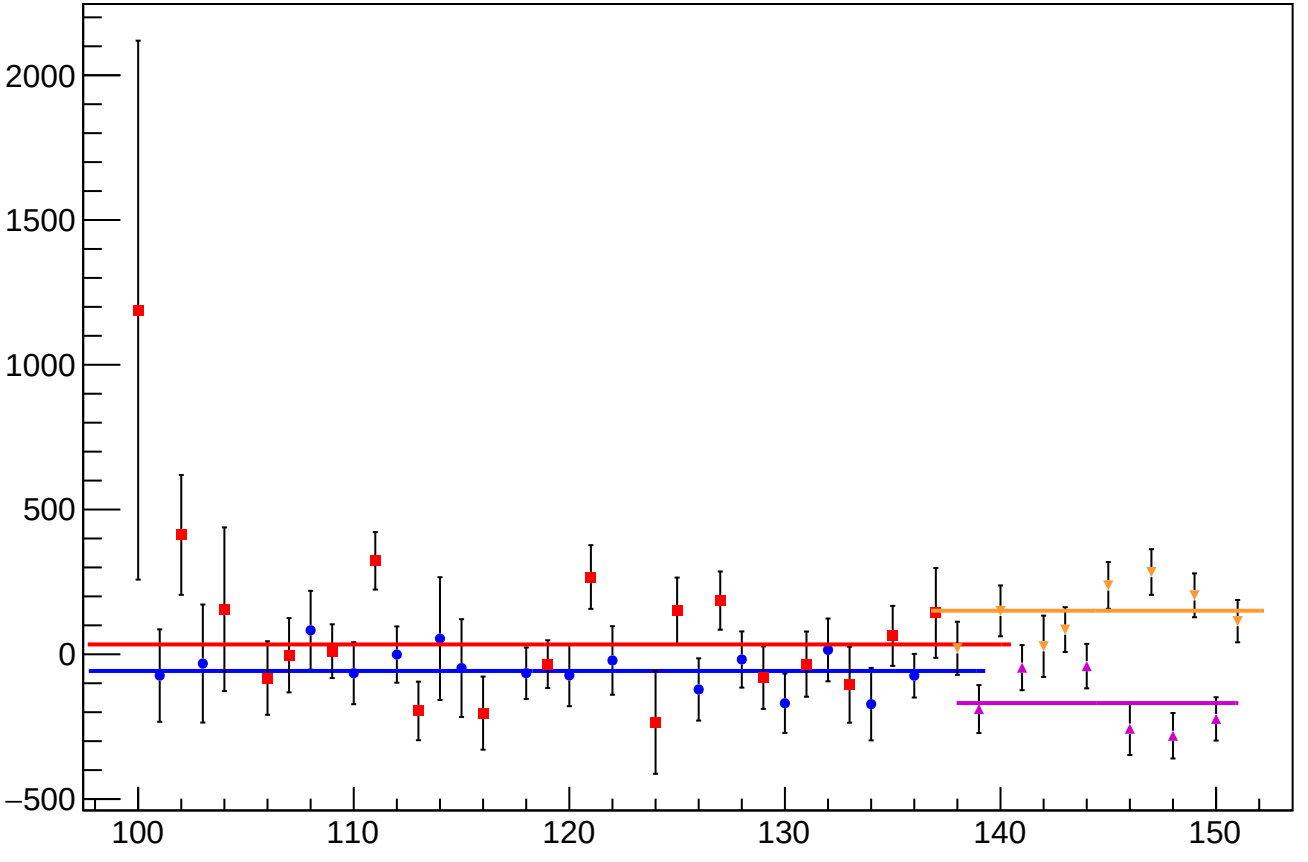
Left In: 316.253+/-0.099 χ^2/NDF:348524.0/5

+ sign 311.062+/-0.064 χ^2/NDF: 2674825.9/23

All: 305.222+/-0.045 χ^2/NDF: 5779903.5/48

- sign 299.327+/-0.064 χ^2/NDF: 3088143.6/24

dit_asym_sam7_mean vs Slug



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 150.536+/-29.103 χ^2/NDF:8.8/7

Right Out: 34.033+/-27.398 χ^2/NDF: 37.1/18

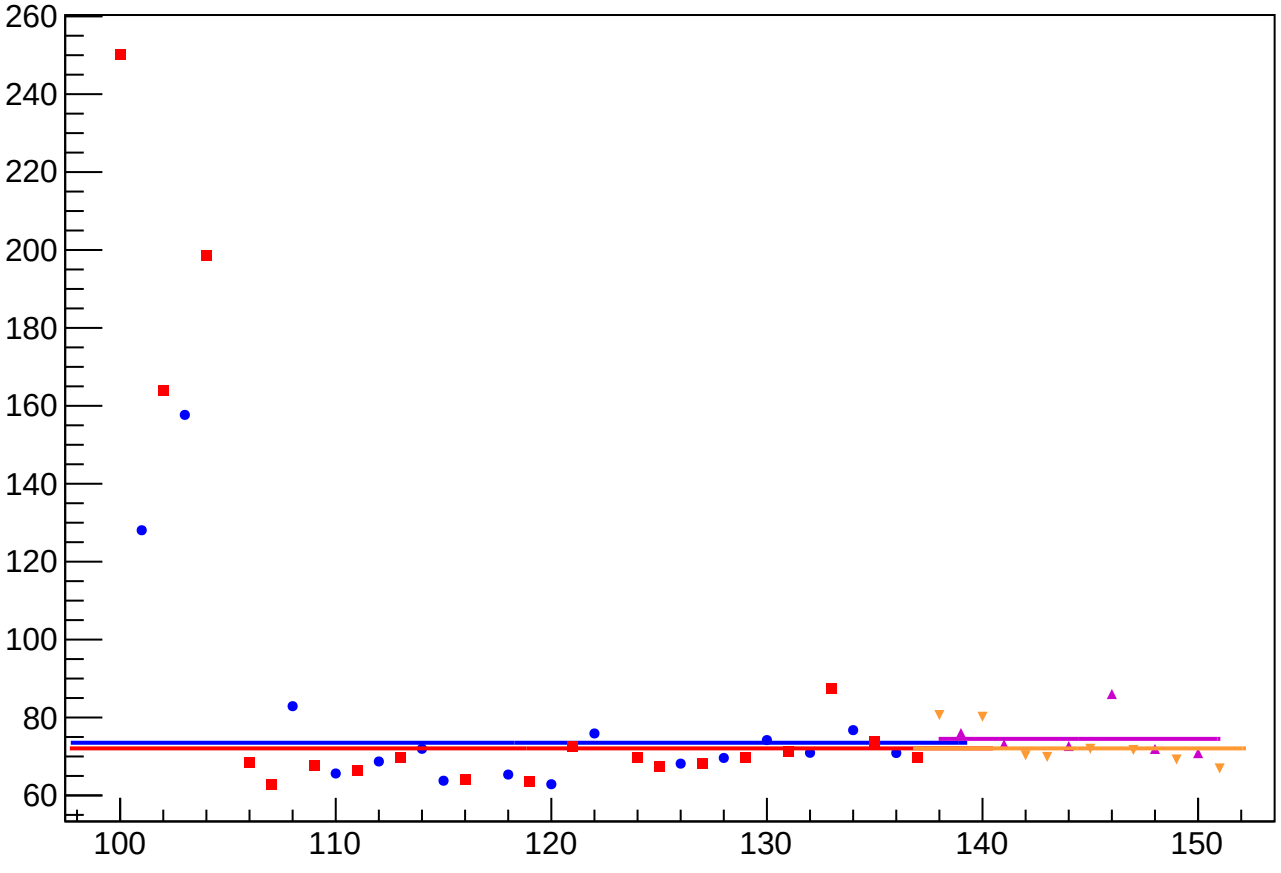
Left In: -168.417+/-32.587 χ^2/NDF:8.8/5

+ sign 42.806+/-20.210 χ^2/NDF: 40.2/23

All: -1.792+/-14.552 χ^2/NDF: 118.9/48

- sign -49.811+/-20.971 χ^2/NDF: 68.6/24

dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 72.071+/-0.021 χ^2/NDF:49447.7/7

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

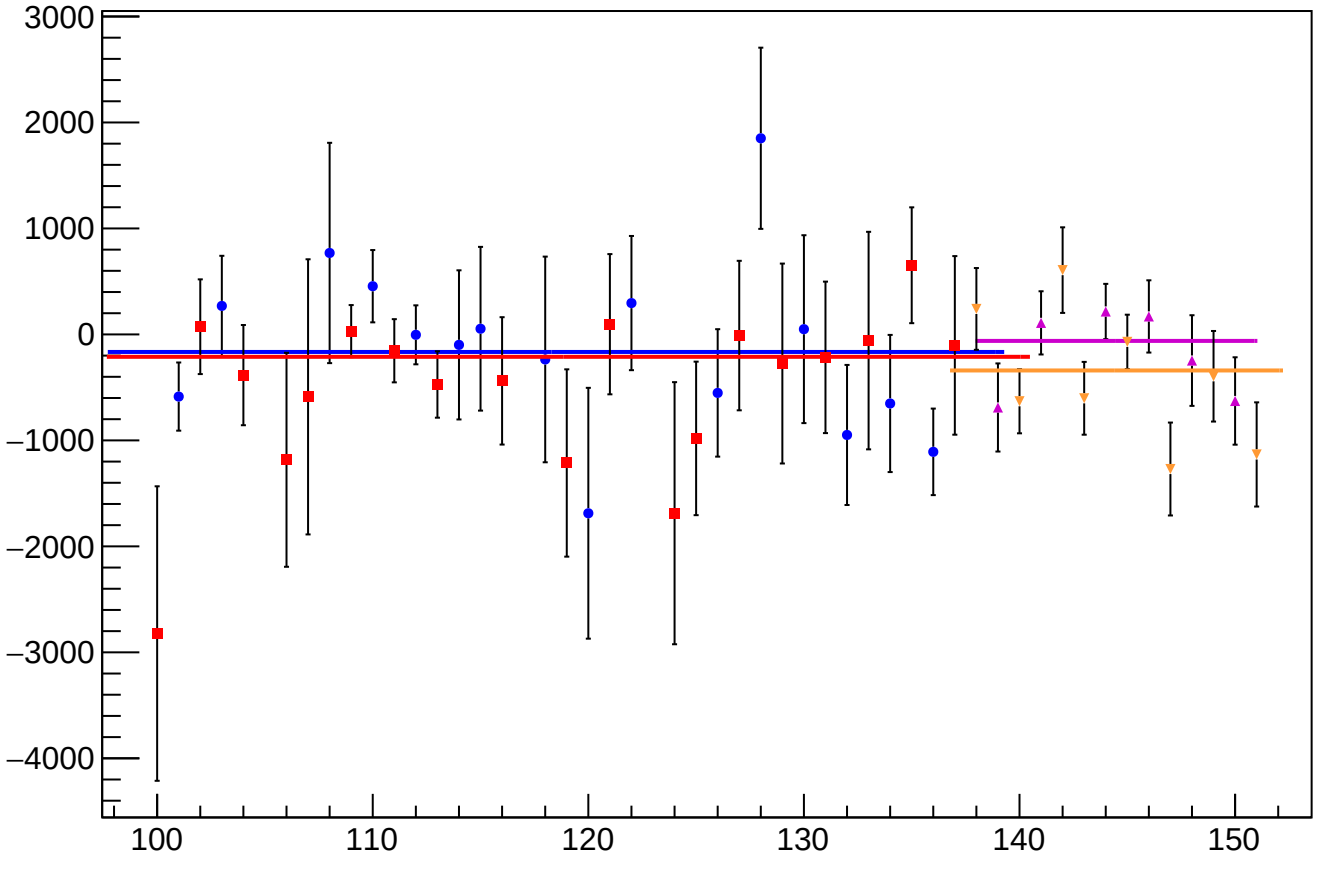
Left In: 74.517+/-0.023 χ^2/NDF:41417.3/5

+ sign 72.821+/-0.014 χ^2/NDF: 708857.4/23

All: 72.948+/-0.010 χ^2/NDF: 1715519.3/48

- sign 73.086+/-0.015 χ^2/NDF: 1006496.6/24

asym_sam7_dit_correction_mean vs Slug



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: -340.157+/-126.728 χ^2/NDF:17.5/7

Right Out: -211.347+/-120.122 χ^2/NDF: 13.6/18

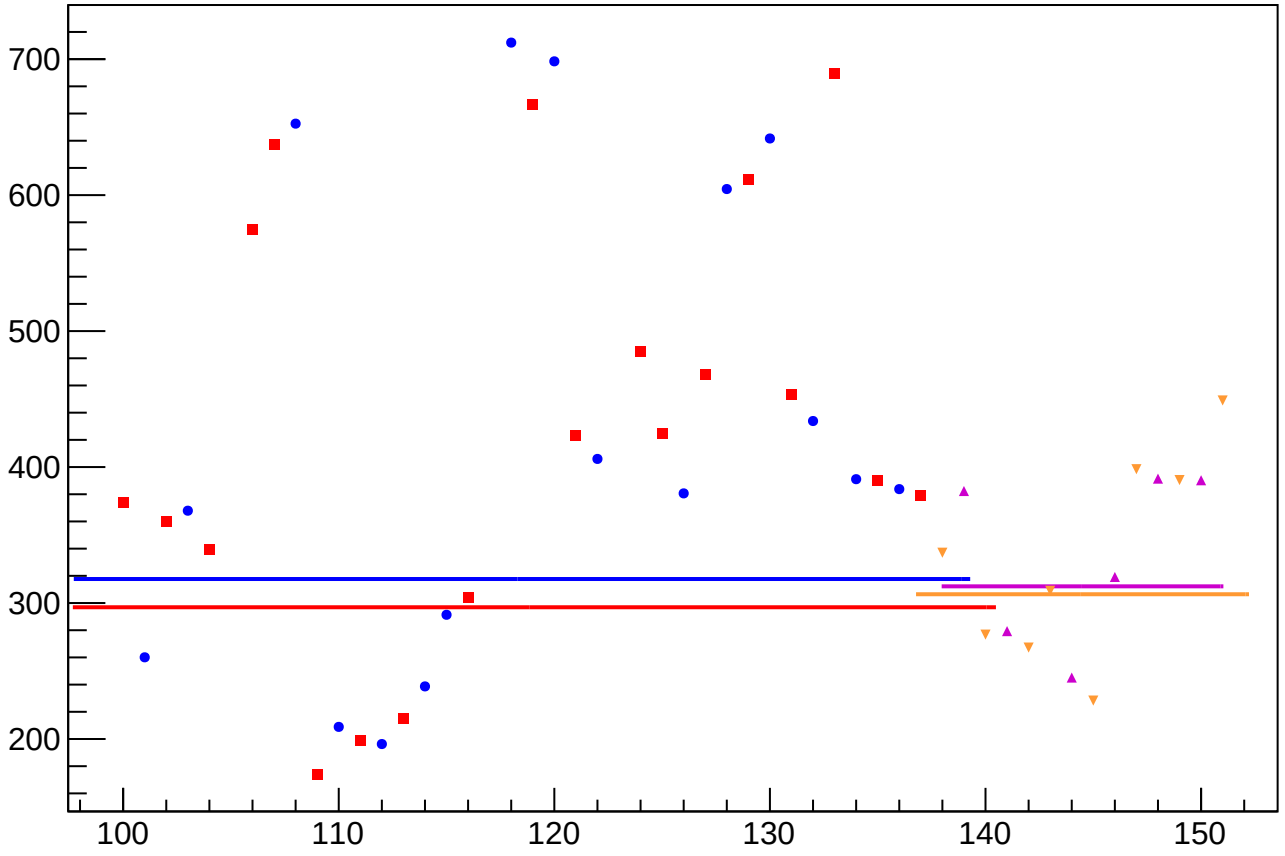
Left In: -61.245+/-139.089 χ^2/NDF:6.3/5

+ sign -253.998+/-90.209 χ^2/NDF: 41.1/23

All: -201.024+/-64.034 χ^2/NDF: 62.3/48

- sign -147.221+/-90.911 χ^2/NDF: 20.6/24

asym_sam7_dit_correction_rms vs Slug



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 306.461+/-0.090 χ^2/NDF:570239.4/7

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

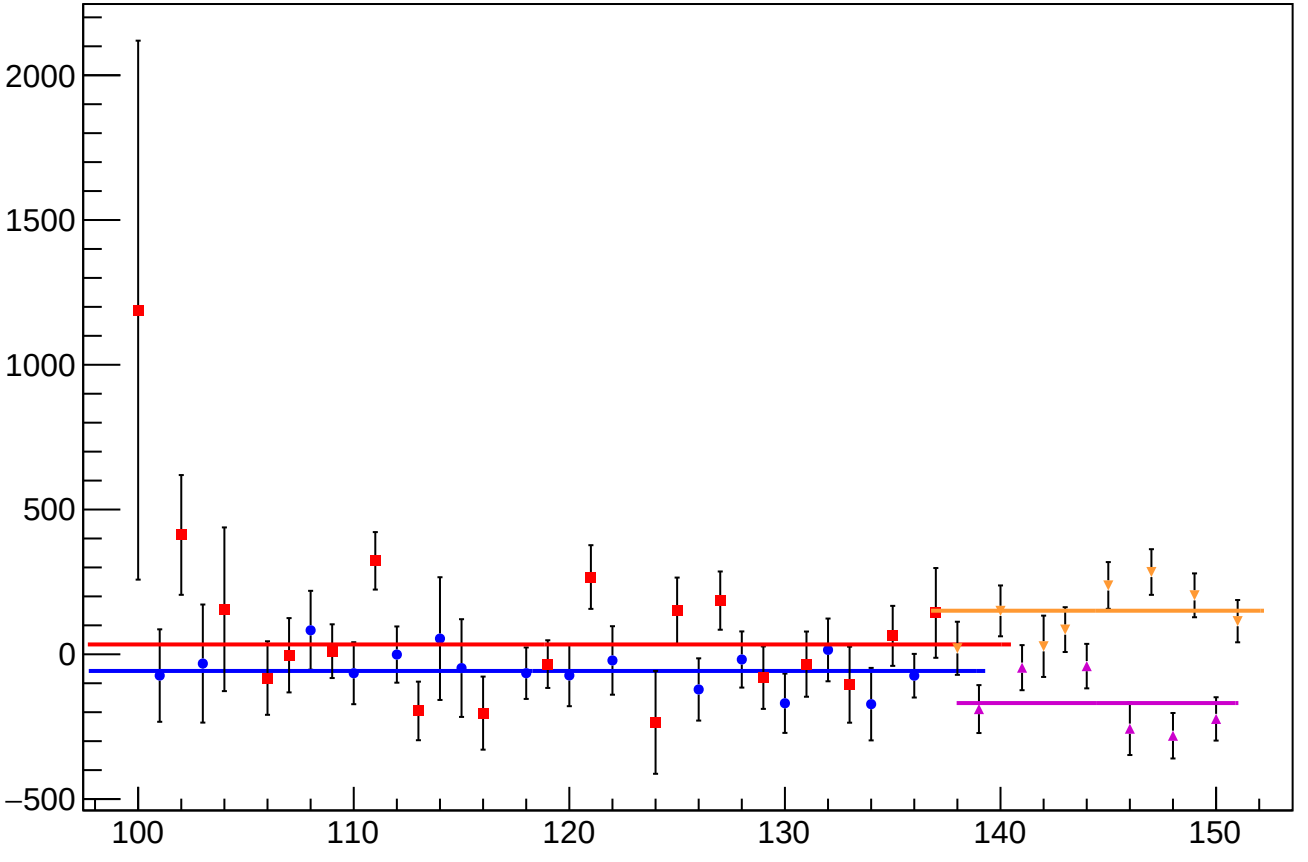
Left In: 312.277+/-0.098 χ^2/NDF:354697.0/5

+ sign 311.987+/-0.064 χ^2/NDF: 2714142.7/23

All: 307.758+/-0.045 χ^2/NDF: 5632764.4/48

- sign 303.462+/-0.064 χ^2/NDF: 2909760.4/24

eigen_dit_asym_sam7_mean vs Slug



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 150.534+/-29.103 χ^2/NDF:8.8/7

Right Out: 34.034+/-27.398 χ^2/NDF: 37.1/18

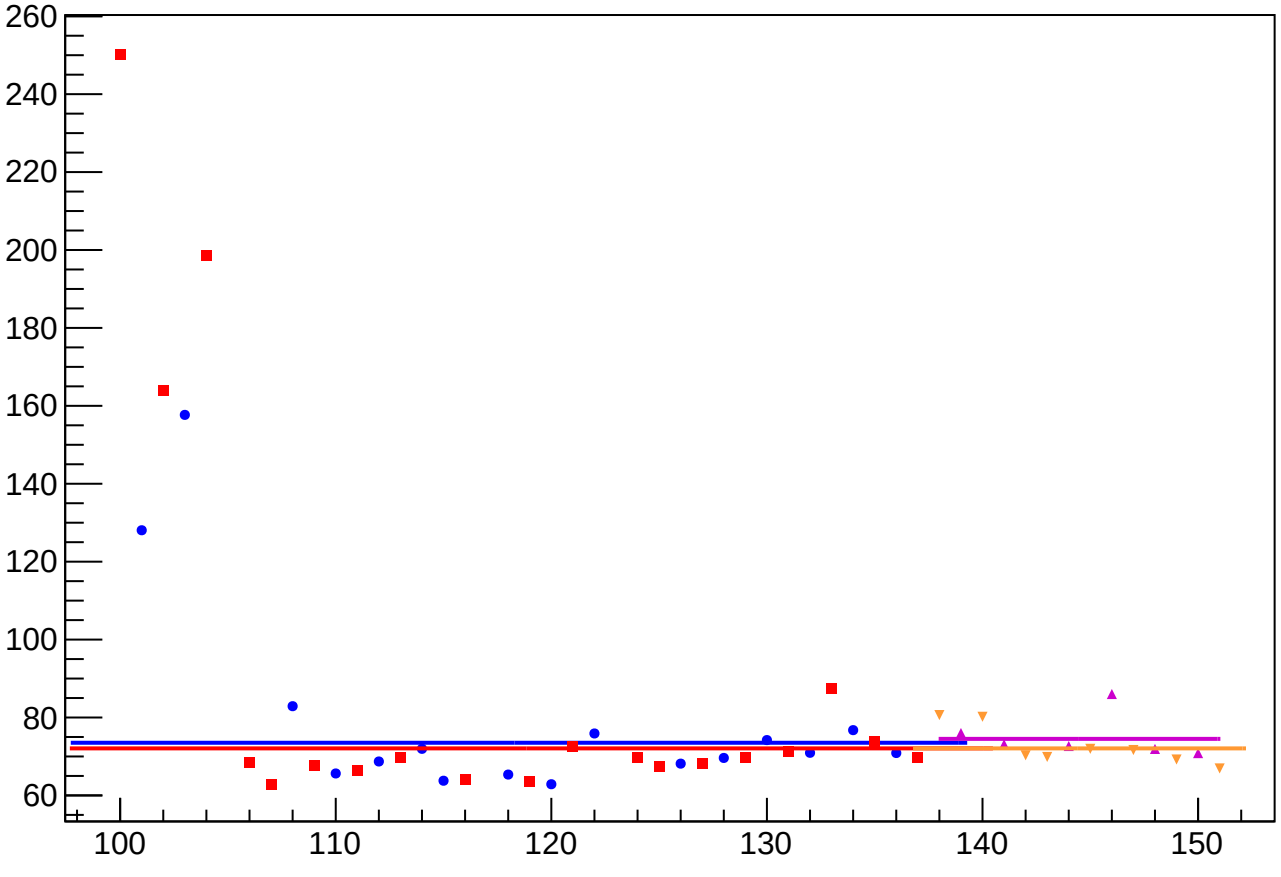
Left In: -168.417+/-32.587 χ^2/NDF:8.8/5

+ sign 42.805+/-20.210 χ^2/NDF: 40.2/23

All: -1.792+/-14.552 χ^2/NDF: 118.9/48

- sign -49.810+/-20.971 χ^2/NDF: 68.6/24

eigen_dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 72.071+/-0.021 χ^2/NDF:49447.8/7

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

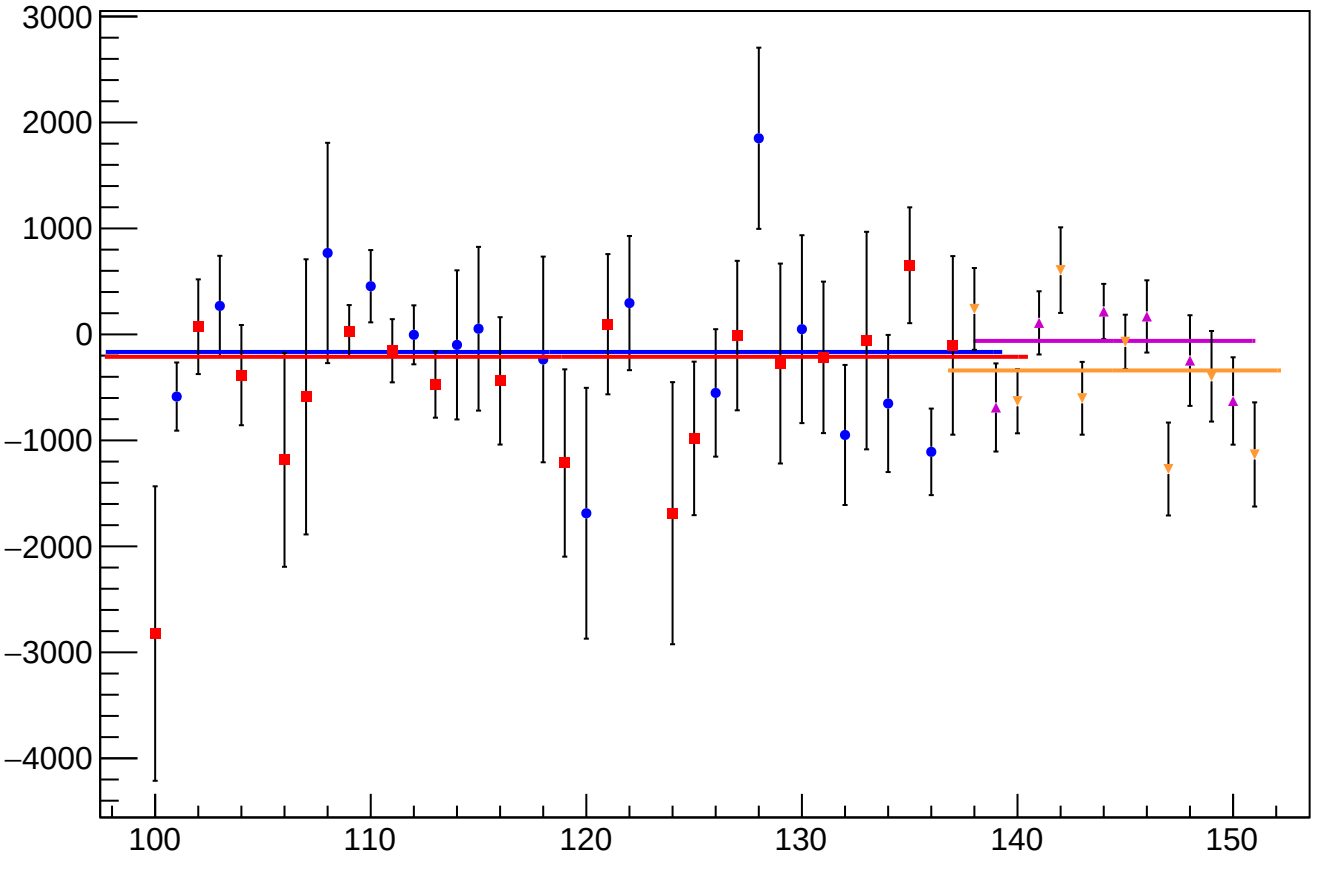
Left In: 74.517+/-0.023 χ^2/NDF:41418.0/5

+ sign 72.821+/-0.014 χ^2/NDF: 708858.7/23

All: 72.948+/-0.010 χ^2/NDF: 1715523.2/48

- sign 73.086+/-0.015 χ^2/NDF: 1006499.2/24

asym_sam7_eigen_dit_correction_mean vs Slug



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -340.158+/-126.728 χ^2/NDF:17.5/7

Right Out: -211.347+/-120.121 χ^2/NDF: 13.6/18

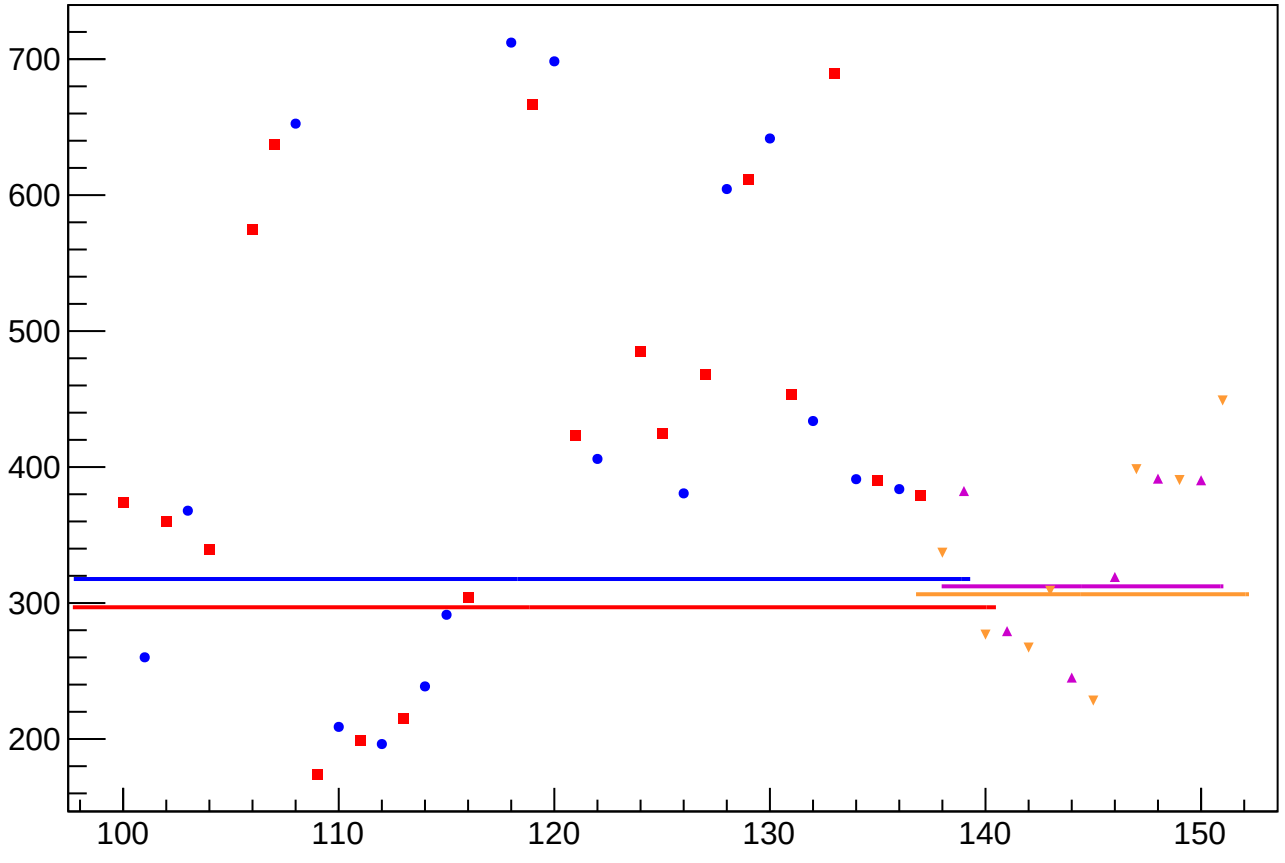
Left In: -61.244+/-139.089 χ^2/NDF:6.3/5

+ sign -253.998+/-90.208 χ^2/NDF: 41.1/23

All: -201.023+/-64.034 χ^2/NDF: 62.3/48

- sign -147.221+/-90.911 χ^2/NDF: 20.6/24

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 306.460+/-0.090 χ^2/NDF:570248.2/7

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

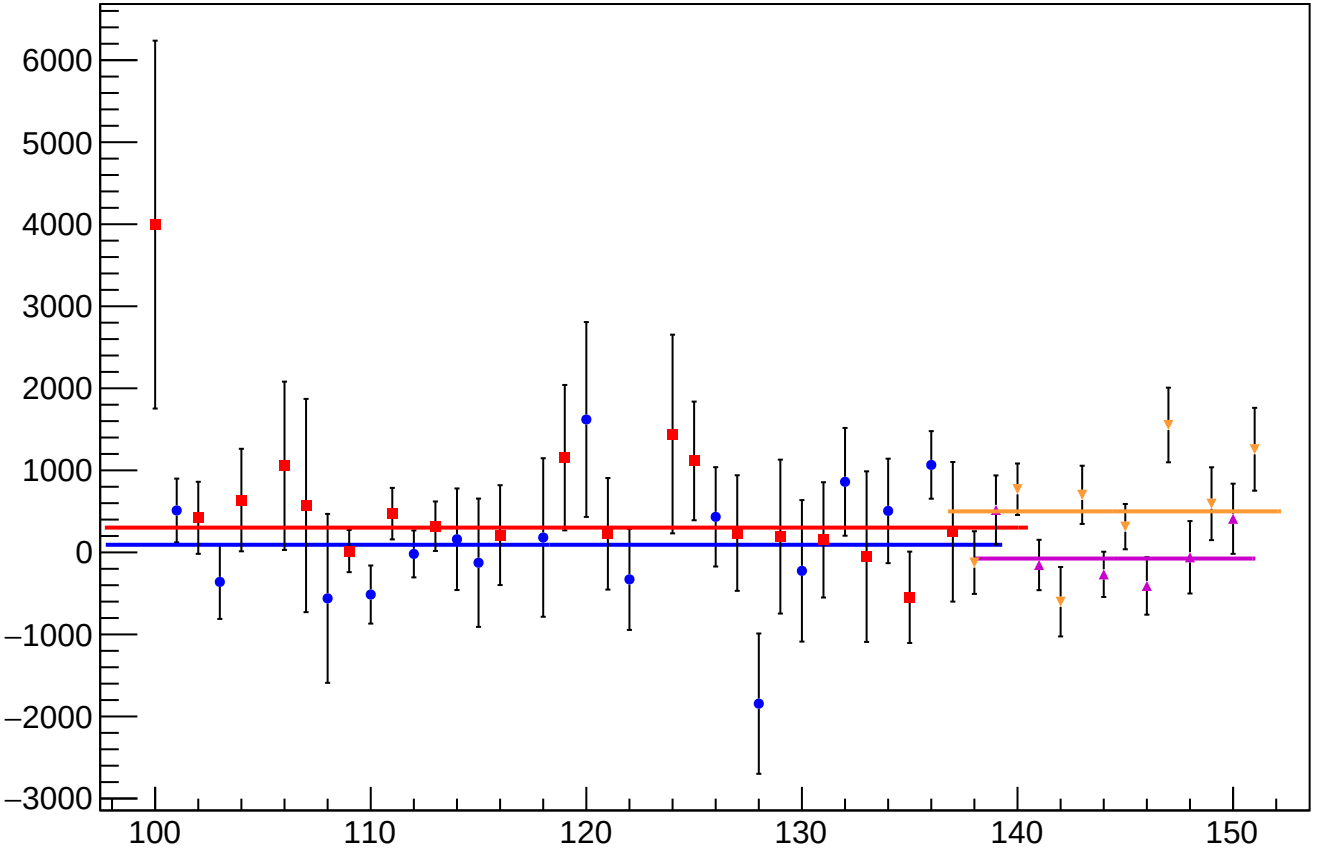
Left In: 312.277+/-0.098 χ^2/NDF:354702.2/5

+ sign 311.986+/-0.064 χ^2/NDF: 2714180.4/23

All: 307.757+/-0.045 χ^2/NDF: 5632819.8/48

- sign 303.461+/-0.064 χ^2/NDF: 2909779.0/24

asym_sam7_mean vs Slug



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 500.078+/-131.847 χ^2/NDF:18.6/7

Right Out: 302.273+/-123.916 χ^2/NDF: 10.8/18

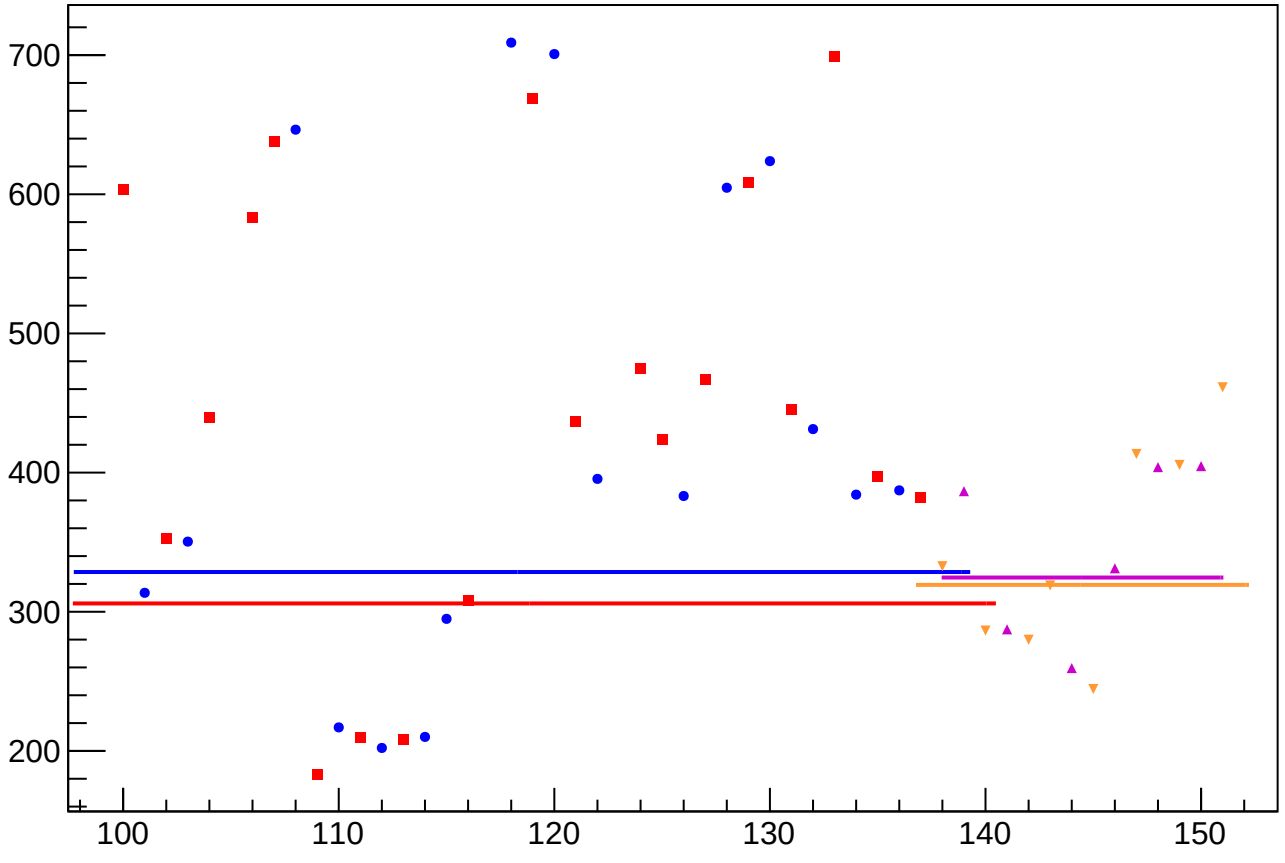
Left In: -75.015+/-144.098 χ^2/NDF:4.7/5

\+ sign 296.565+/-93.258 χ^2/NDF: 44.2/23

All: 219.796+/-66.188 χ^2/NDF: 65.1/48

\- sign 141.878+/-93.954 χ^2/NDF: 19.5/24

asym_sam7_rms vs Slug



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 319.327+/-0.093 χ^2/NDF:507977.8/7

Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

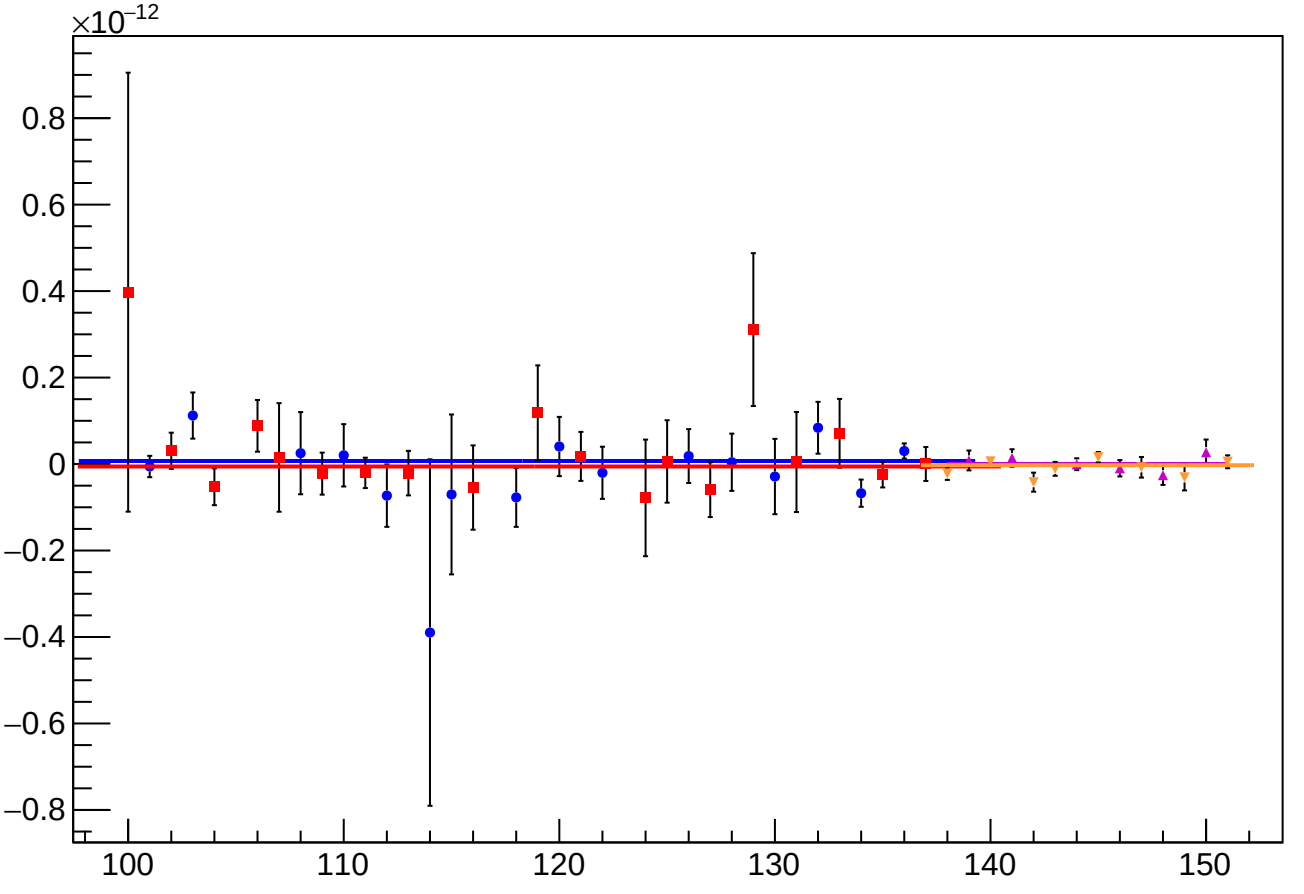
Left In: 324.602+/-0.102 χ^2/NDF:319703.9/5

+ sign 323.944+/-0.066 χ^2/NDF: 2471758.7/23

All: 318.960+/-0.047 χ^2/NDF: 5349621.3/48

- sign 313.901+/-0.066 χ^2/NDF: 2866352.2/24

asym_sam7_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:9.5/7

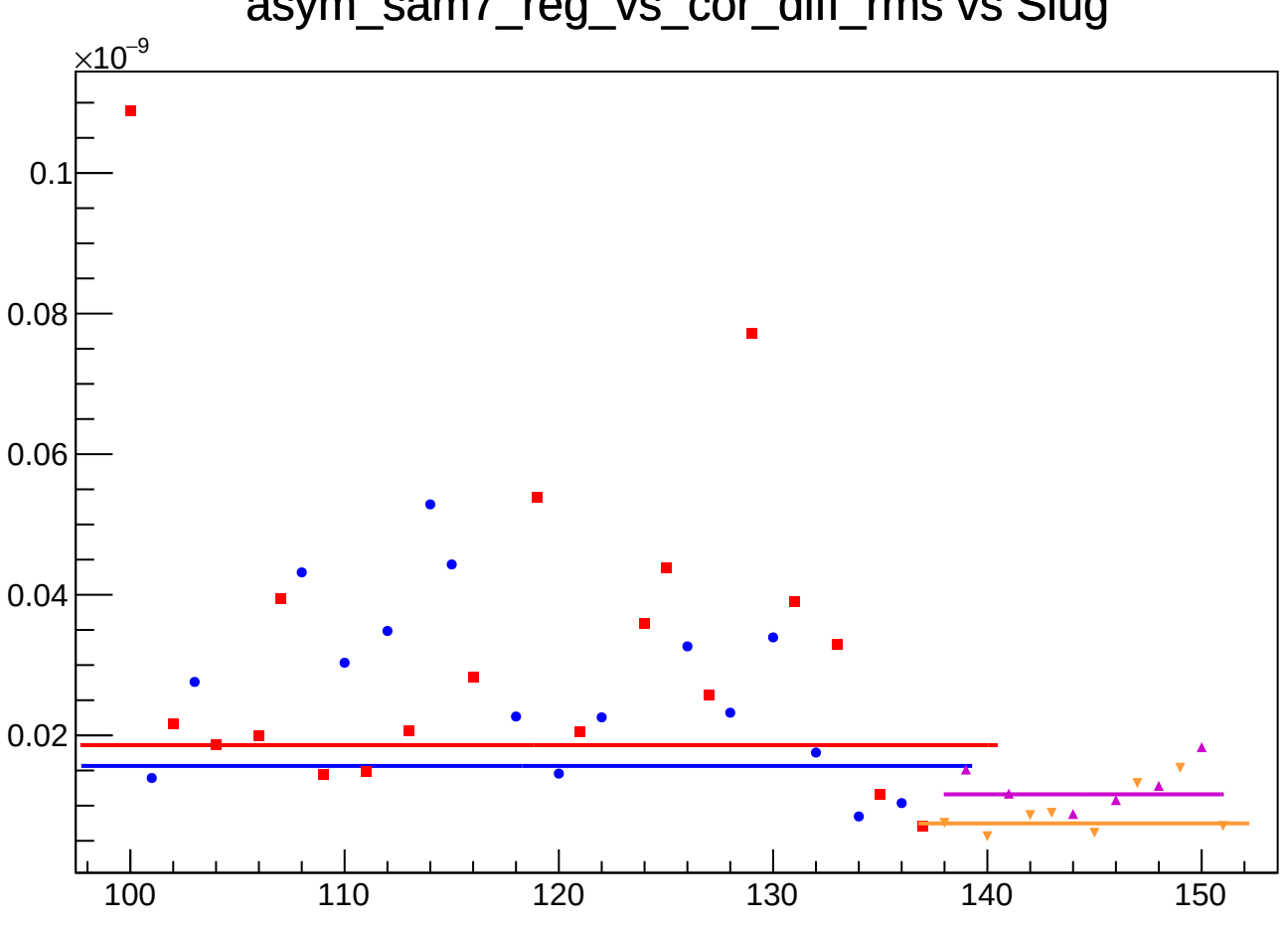
Right Out: -0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: 0.000+/-0.000 χ^2/NDF:3.0/5

\+ sign -0.000+/-0.000 χ^2/NDF: 27.9/23

All: -0.000+/-0.000 χ^2/NDF: 43.9/48

\- sign -0.000+/-0.000 χ^2/NDF: 16.0/24



Right In: 0.000+/-0.000 χ^2/NDF: 1164380.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:363145.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1228542.0/18

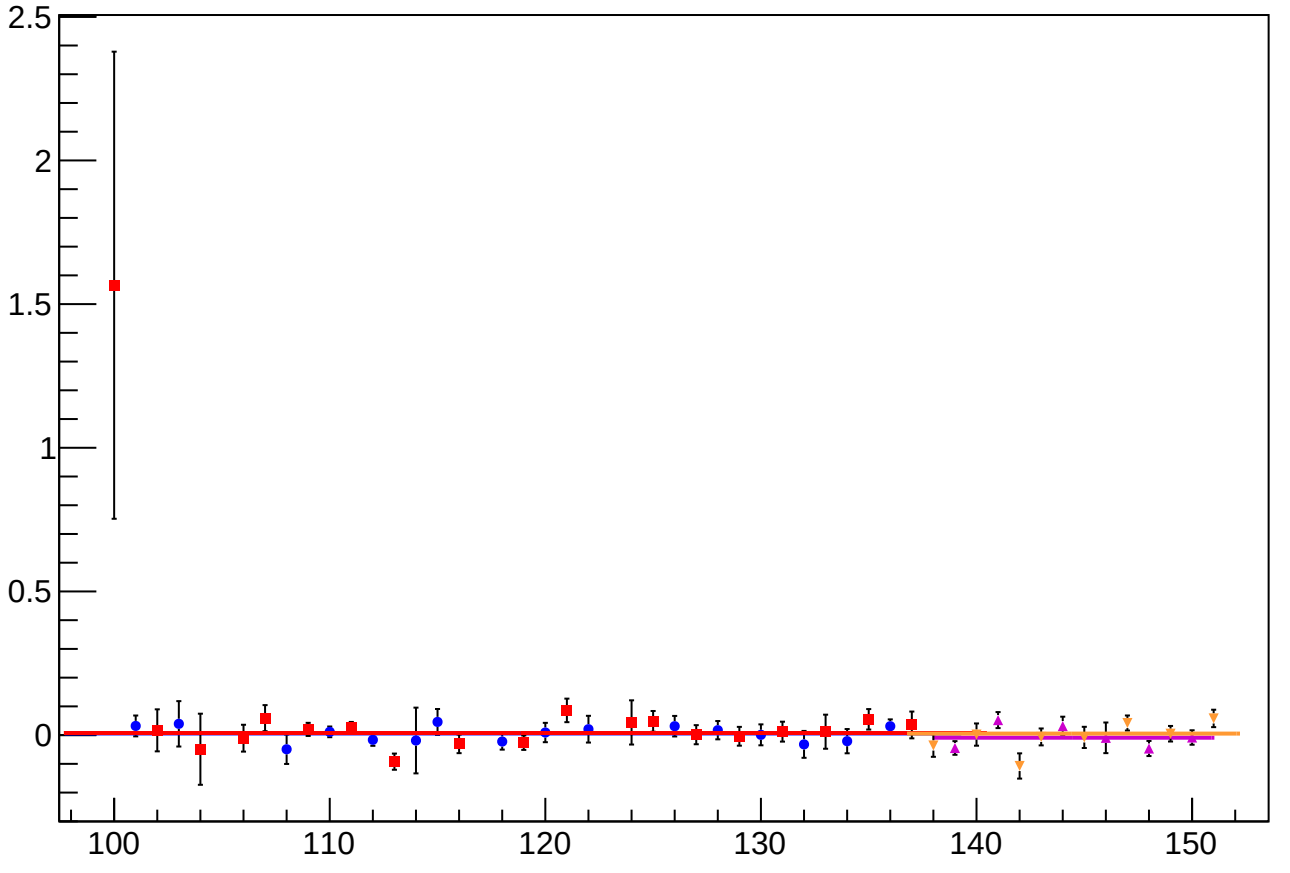
Left In: 0.000+/-0.000 χ^2/NDF:245227.5/5

+ sign 0.000+/-0.000 χ^2/NDF: 2423225.1/23

All: 0.000+/-0.000 χ^2/NDF: 4901782.0/48

- sign 0.000+/-0.000 χ^2/NDF: 1902306.3/24

asym_sam7_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.005+/-0.011 χ^2/NDF:13.0/7

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

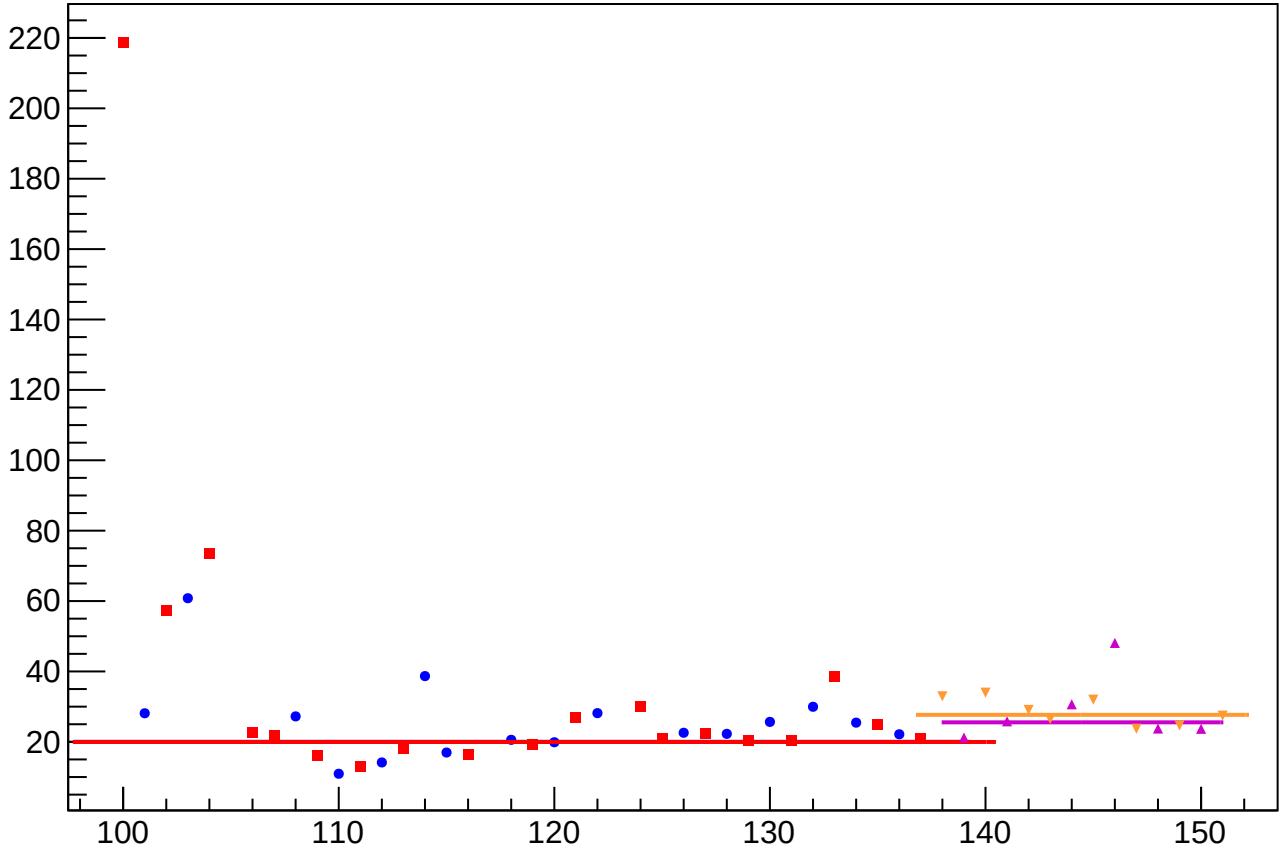
Left In: -0.009+/-0.012 χ^2/NDF:10.6/5

+ sign 0.006+/-0.007 χ^2/NDF: 20.8/23

All: 0.004+/-0.005 χ^2/NDF: 62.8/48

- sign 0.002+/-0.007 χ^2/NDF: 41.8/24

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 27.674+/-0.008 χ^2/NDF:191213.0/7

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

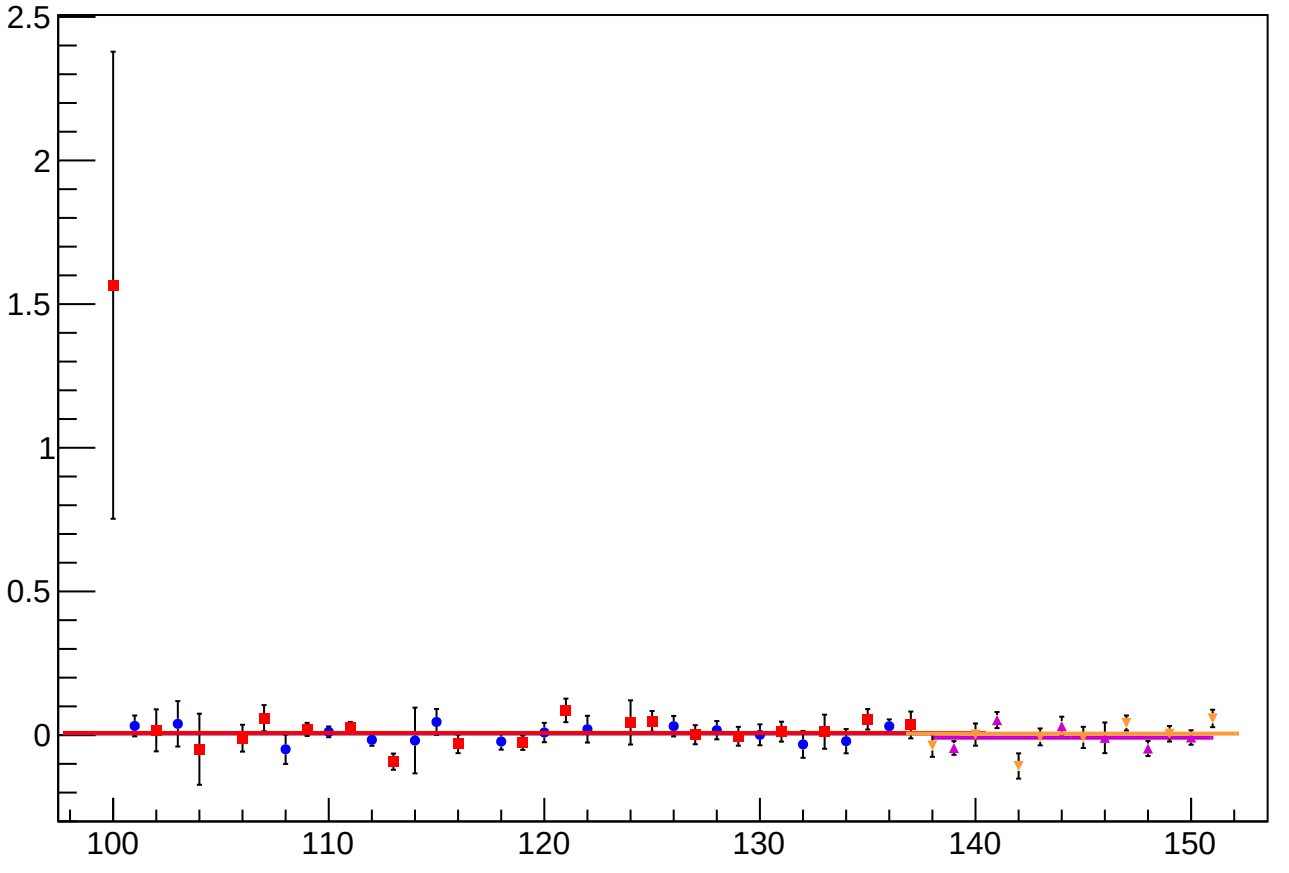
Left In: 25.541+/-0.008 χ^2/NDF:493081.4/5

+ sign 22.587+/-0.005 χ^2/NDF: 2427797.1/23

All: 22.182+/-0.003 χ^2/NDF: 4961584.9/48

- sign 21.777+/-0.005 χ^2/NDF: 2518953.6/24

asym_sam7_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.005+/-0.011 χ^2/NDF:13.0/7

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

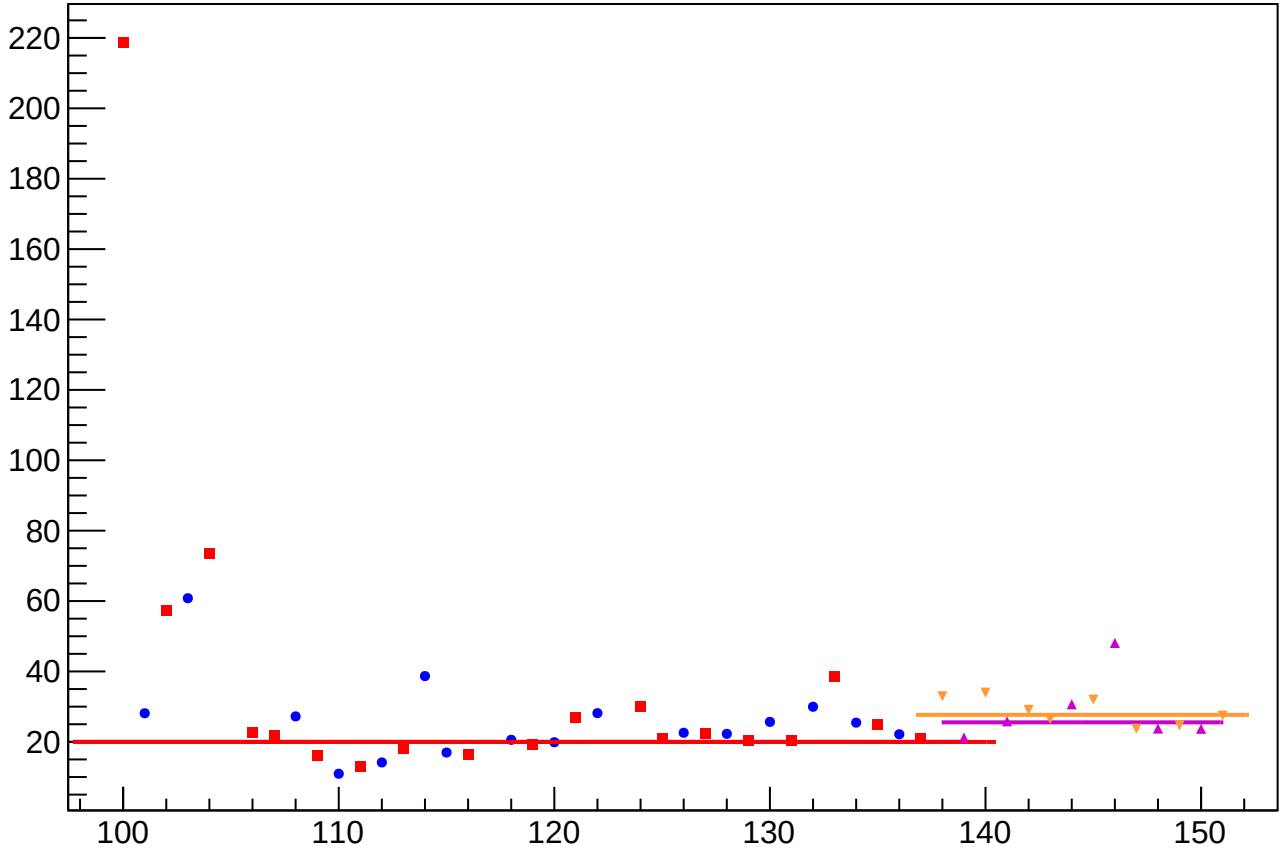
Left In: -0.009+/-0.012 χ^2/NDF:10.6/5

+ sign 0.006+/-0.007 χ^2/NDF: 20.8/23

All: 0.004+/-0.005 χ^2/NDF: 62.8/48

- sign 0.002+/-0.007 χ^2/NDF: 41.8/24

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 27.674+/-0.008 χ^2/NDF:191213.0/7

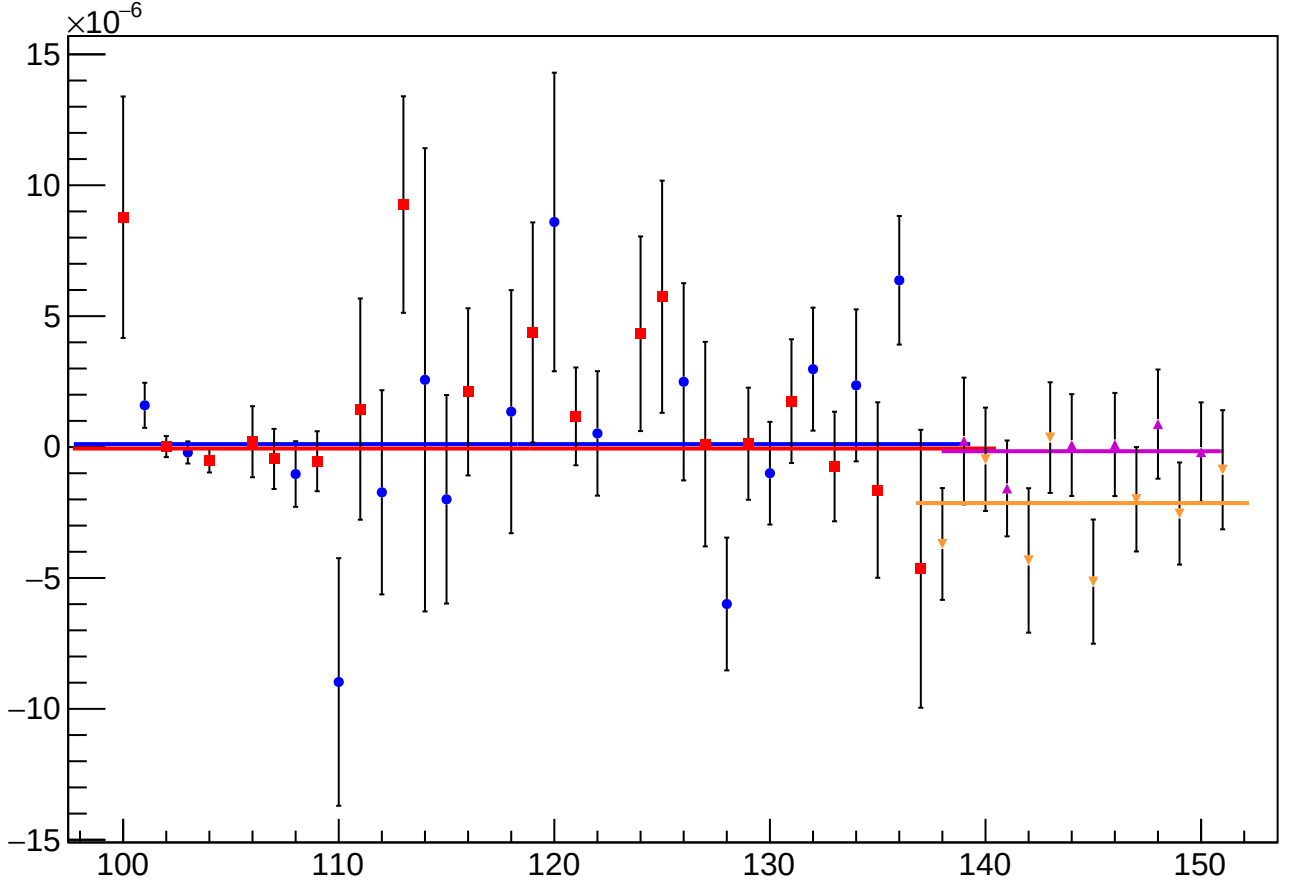
Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 25.541+/-0.008 χ^2/NDF:493081.4/5

+ sign 22.587+/-0.005 χ^2/NDF: 2427797.1/23

All: 22.182+/-0.003 χ^2/NDF: 4961584.9/48

- sign 21.777+/-0.005 χ^2/NDF: 2518953.6/24



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.2/7

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/18

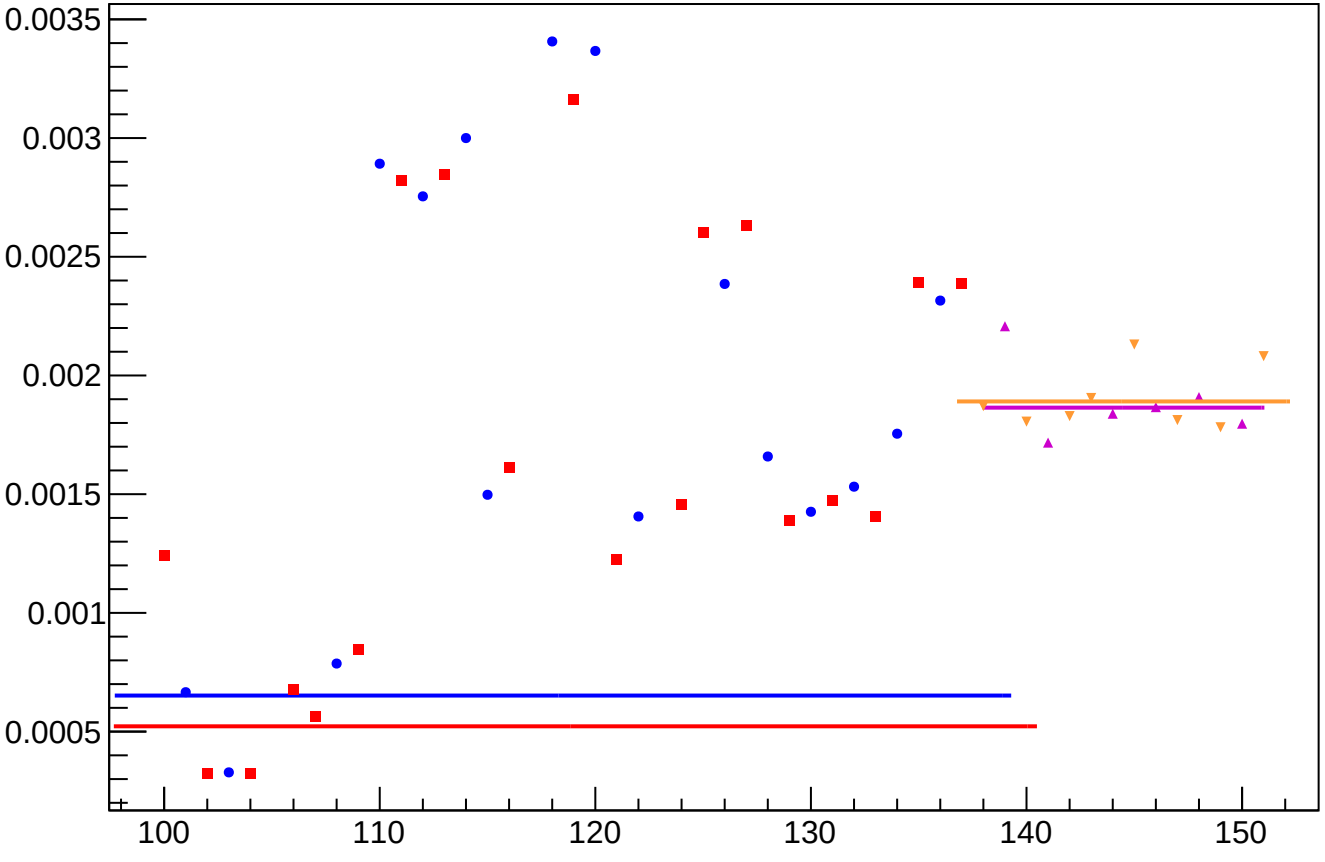
Left In: -0.000+/-0.000 χ^2/NDF:0.9/5

\+ sign -0.000+/-0.000 χ^2/NDF: 38.6/23

All: -0.000+/-0.000 χ^2/NDF: 56.8/48

\- sign -0.000+/-0.000 χ^2/NDF: 18.0/24

asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 6357494.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:48802.7/7

Right Out: 0.001+/-0.000 χ^2/NDF: 6676790.5/18

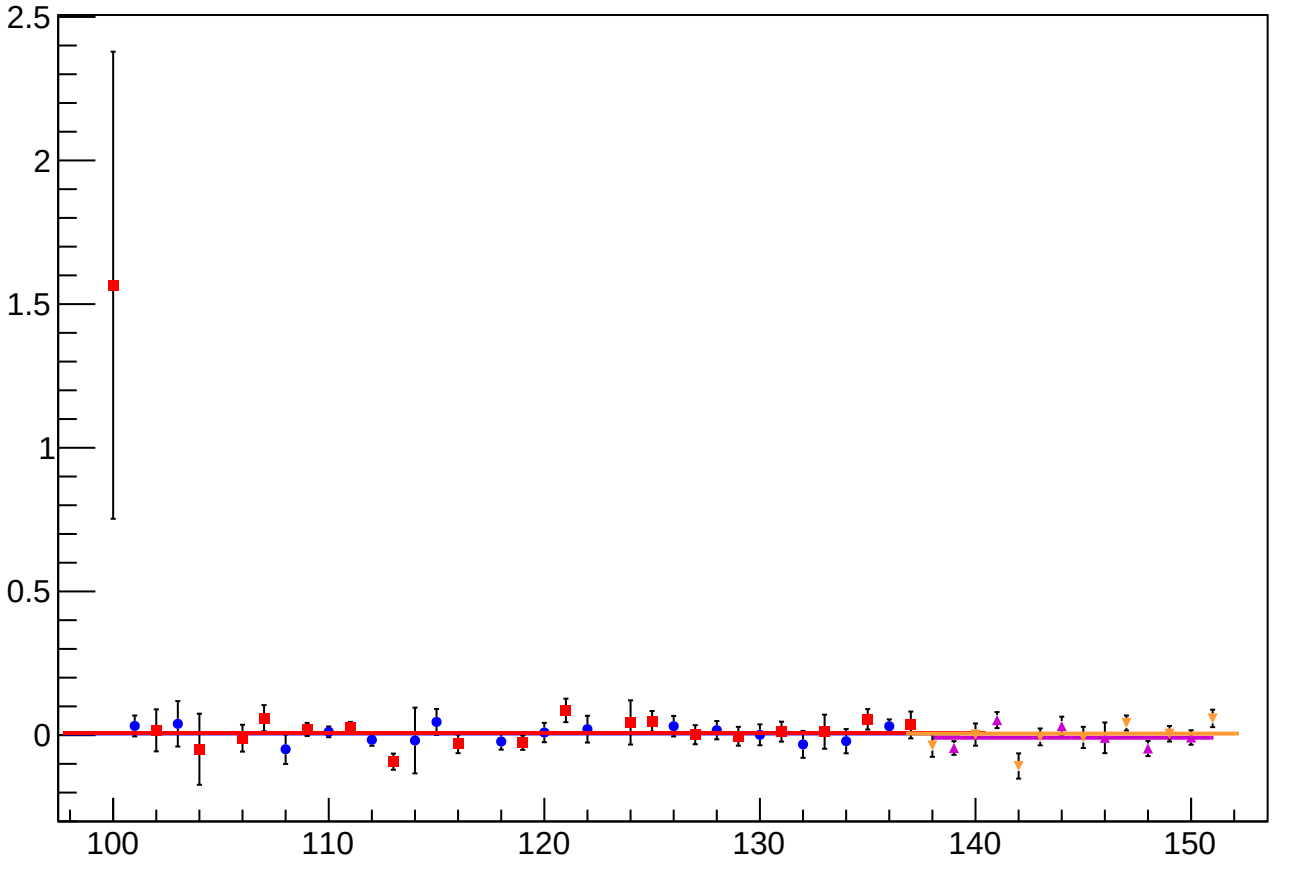
Left In: 0.002+/-0.000 χ^2/NDF:56871.6/5

+ sign 0.001+/-0.000 χ^2/NDF: 10831031.4/23

All: 0.001+/-0.000 χ^2/NDF: 23004466.9/48

- sign 0.001+/-0.000 χ^2/NDF: 11633812.5/24

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.005+/-0.011 χ^2/NDF:13.0/7

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

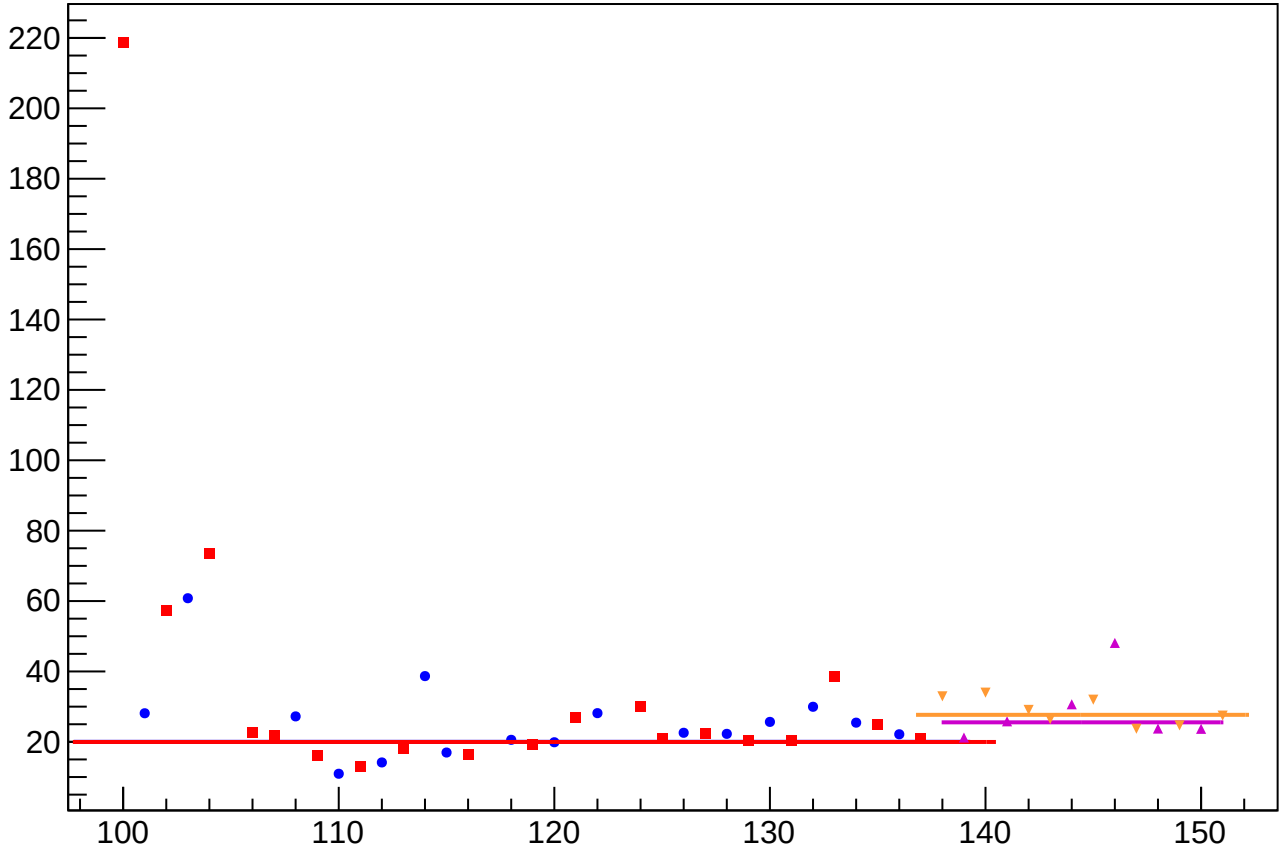
Left In: -0.009+/-0.012 χ^2/NDF:10.6/5

+ sign 0.006+/-0.007 χ^2/NDF: 20.8/23

All: 0.004+/-0.005 χ^2/NDF: 62.8/48

- sign 0.002+/-0.007 χ^2/NDF: 41.8/24

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 27.674+/-0.008 χ^2/NDF:191234.0/7

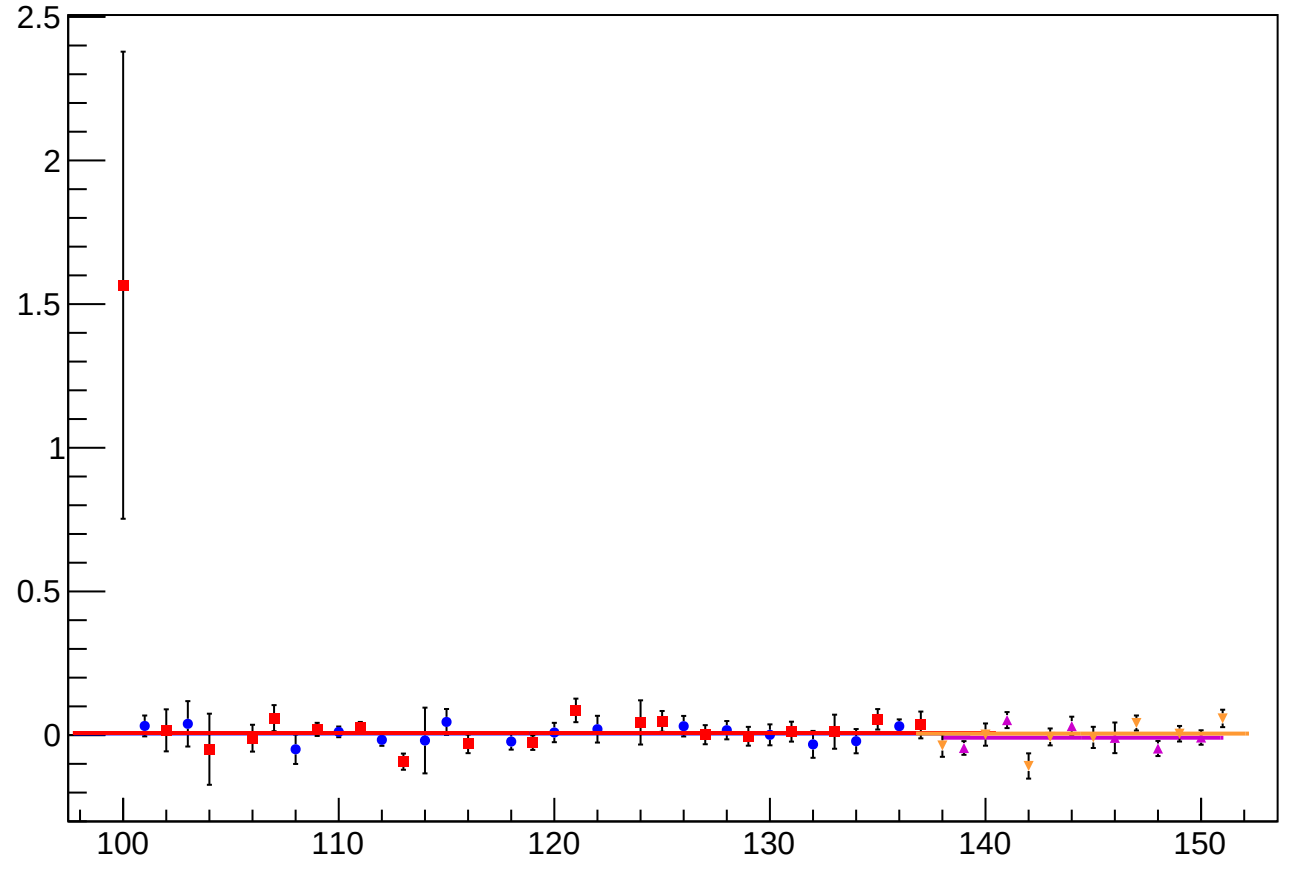
Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 25.541+/-0.008 χ^2/NDF:493092.4/5

+ sign 22.588+/-0.005 χ^2/NDF: 2427562.0/23

All: 22.183+/-0.003 χ^2/NDF: 4961284.2/48

- sign 21.777+/-0.005 χ^2/NDF: 2518877.9/24



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.005+/-0.011 χ^2/NDF:13.0/7

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

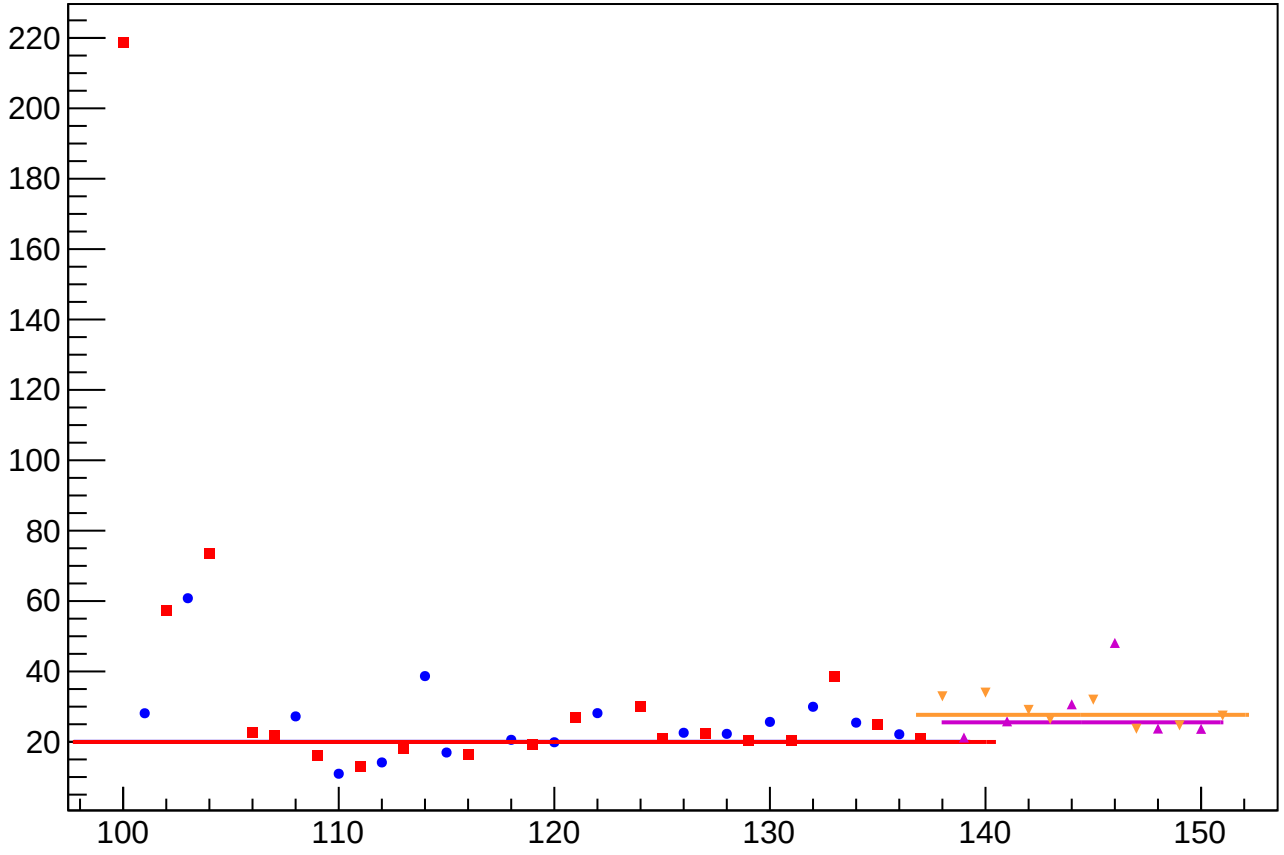
Left In: -0.009+/-0.012 χ^2/NDF:10.6/5

+ sign 0.006+/-0.007 χ^2/NDF: 20.8/23

All: 0.004+/-0.005 χ^2/NDF: 62.8/48

- sign 0.002+/-0.007 χ^2/NDF: 41.8/24

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: 27.674+/-0.008 χ^2/NDF:191234.0/7

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

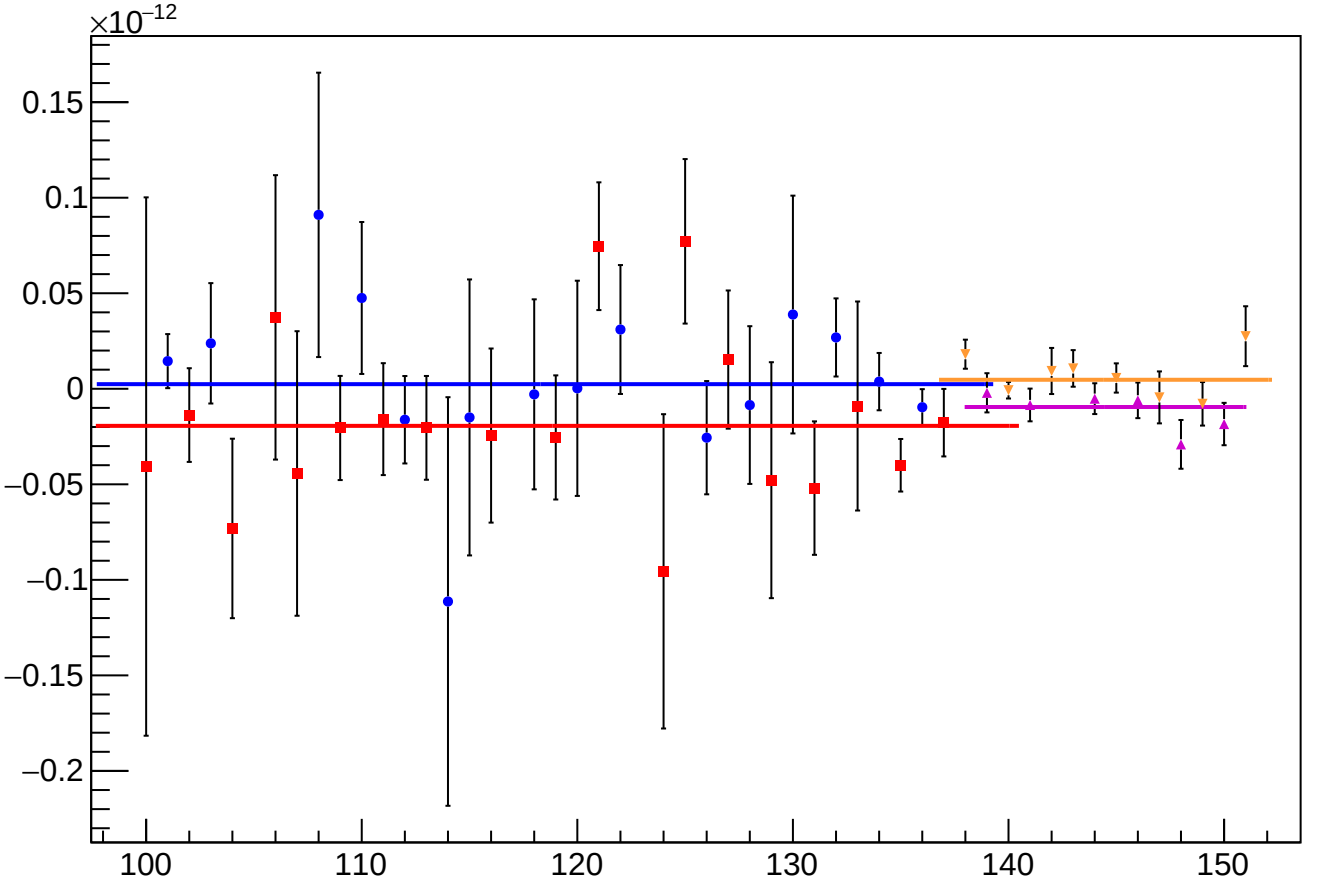
Left In: 25.541+/-0.008 χ^2/NDF:493092.4/5

+ sign 22.588+/-0.005 χ^2/NDF: 2427562.0/23

All: 22.183+/-0.003 χ^2/NDF: 4961284.2/48

- sign 21.777+/-0.005 χ^2/NDF: 2518877.9/24

asym_sam7_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:9.0/7

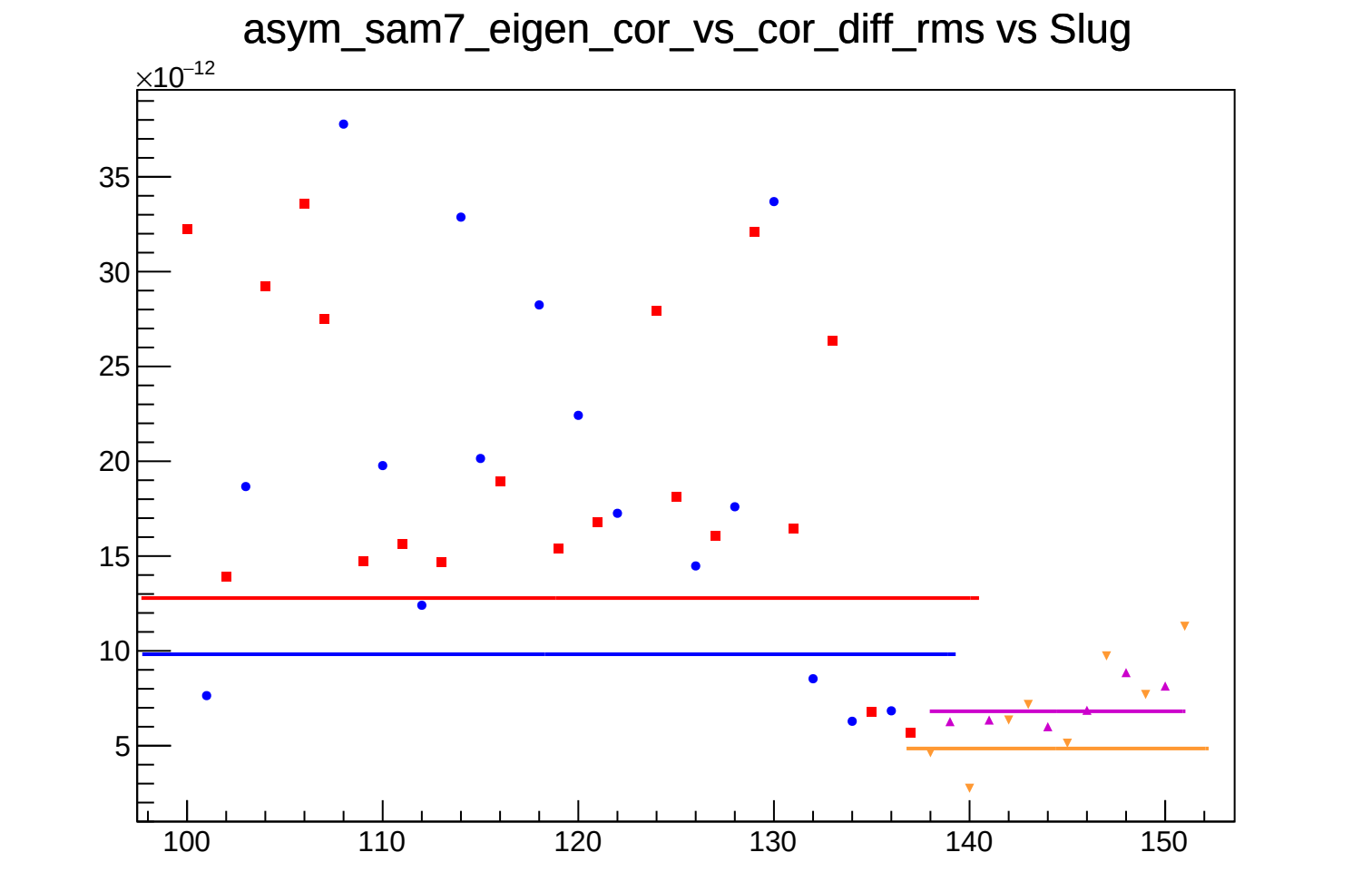
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: -0.000+/-0.000 χ^2/NDF:4.0/5

+ sign 0.000+/-0.000 χ^2/NDF: 20.0/23

All: -0.000+/-0.000 χ^2/NDF: 59.9/48

- sign -0.000+/-0.000 χ^2/NDF: 25.7/24



Right In: 0.000+/-0.000 χ^2/NDF: 1977074.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1340670.2/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1798852.4/18

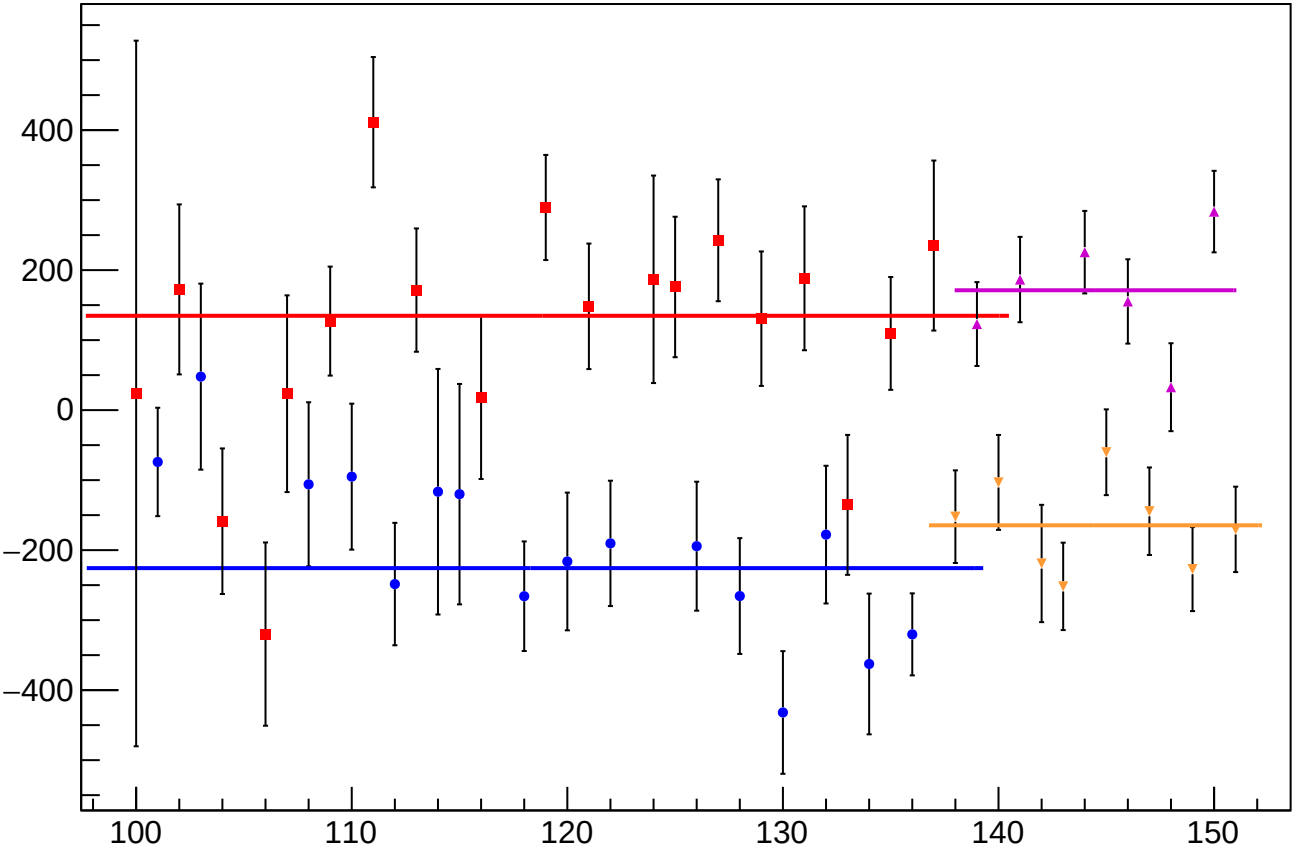
Left In: 0.000+/-0.000 χ^2/NDF:111695.8/5

+ sign 0.000+/-0.000 χ^2/NDF: 4528467.9/23

All: 0.000+/-0.000 χ^2/NDF: 8149950.2/48

- sign 0.000+/-0.000 χ^2/NDF: 3001432.6/24

reg_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -164.534+/-22.860 χ^2/NDF:7.3/7

Right Out: 134.762+/-23.192 χ^2/NDF: 45.3/18

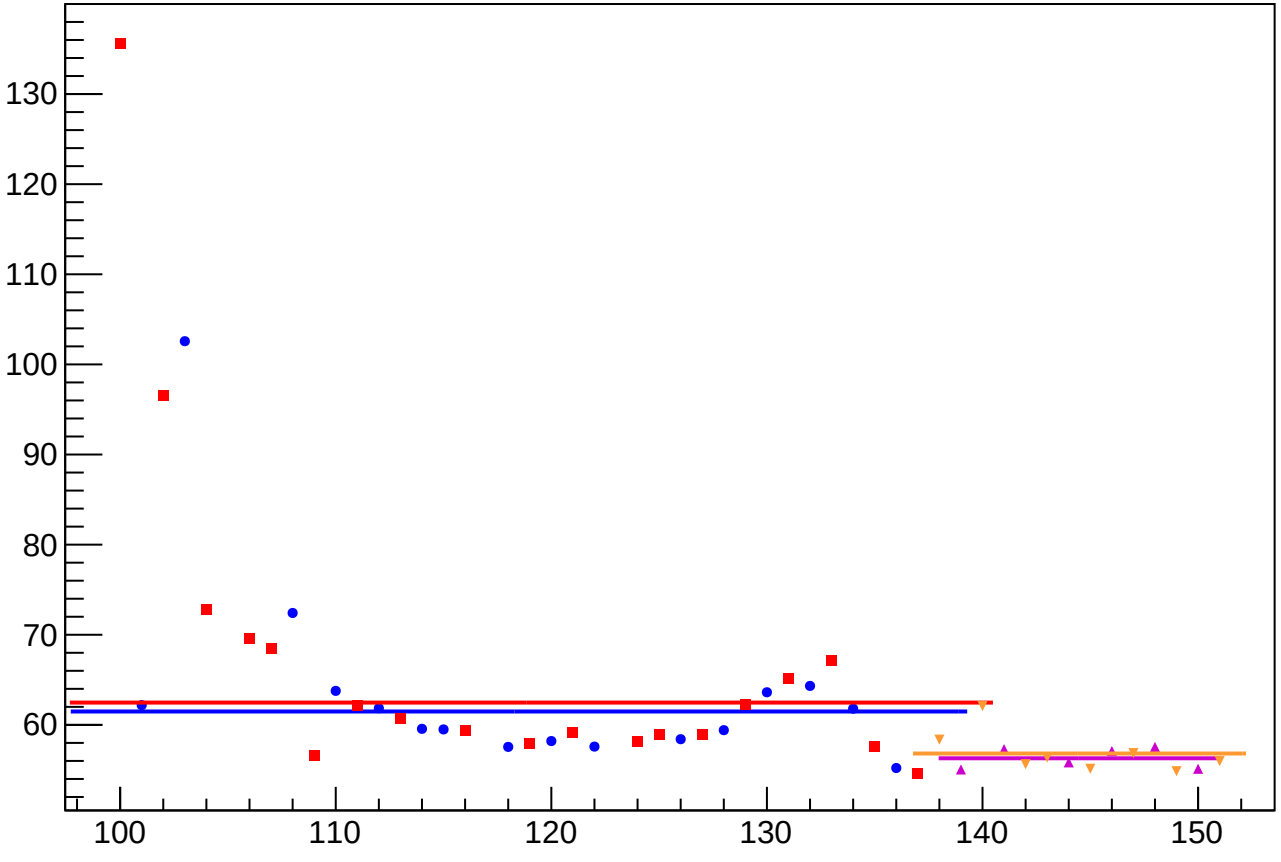
Left In: 171.213+/-24.543 χ^2/NDF:10.2/5

+ sign -194.770+/-16.255 χ^2/NDF: 33.5/23

All: -27.702+/-11.701 χ^2/NDF: 309.3/48

- sign 151.956+/-16.857 χ^2/NDF: 56.6/24

reg_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 56.824+/-0.016 χ^2/NDF:17664.3/7

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

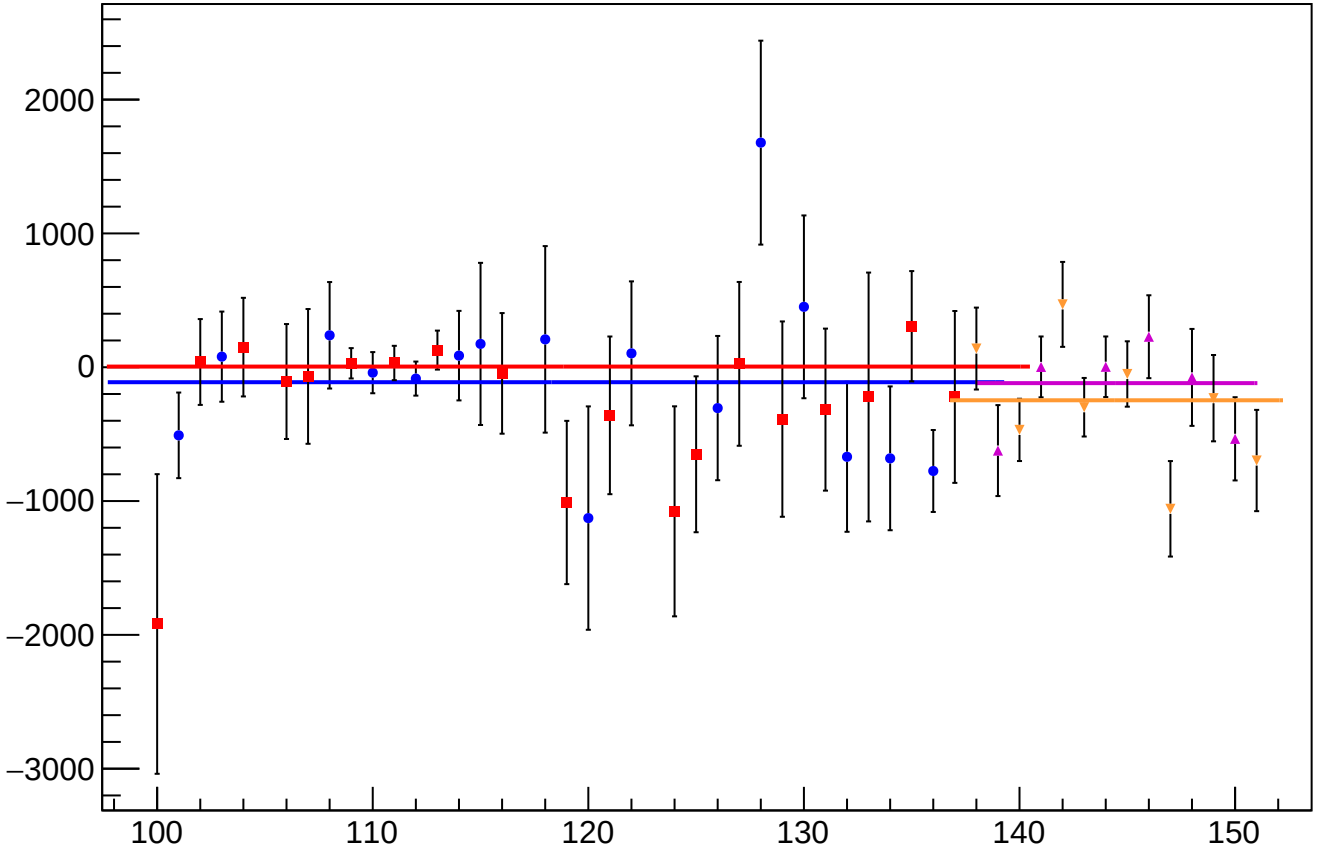
Left In: 56.294+/-0.017 χ^2/NDF:3508.6/5

+ sign 59.129+/-0.011 χ^2/NDF: 309457.2/23

All: 59.337+/-0.008 χ^2/NDF: 661810.4/48

- sign 59.560+/-0.012 χ^2/NDF: 351674.7/24

asym_sam8_reg_correction_mean vs Slug



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -246.965+/-99.435 χ^2/NDF:14.9/7

Right Out: 4.893+/-63.933 χ^2/NDF: 11.6/18

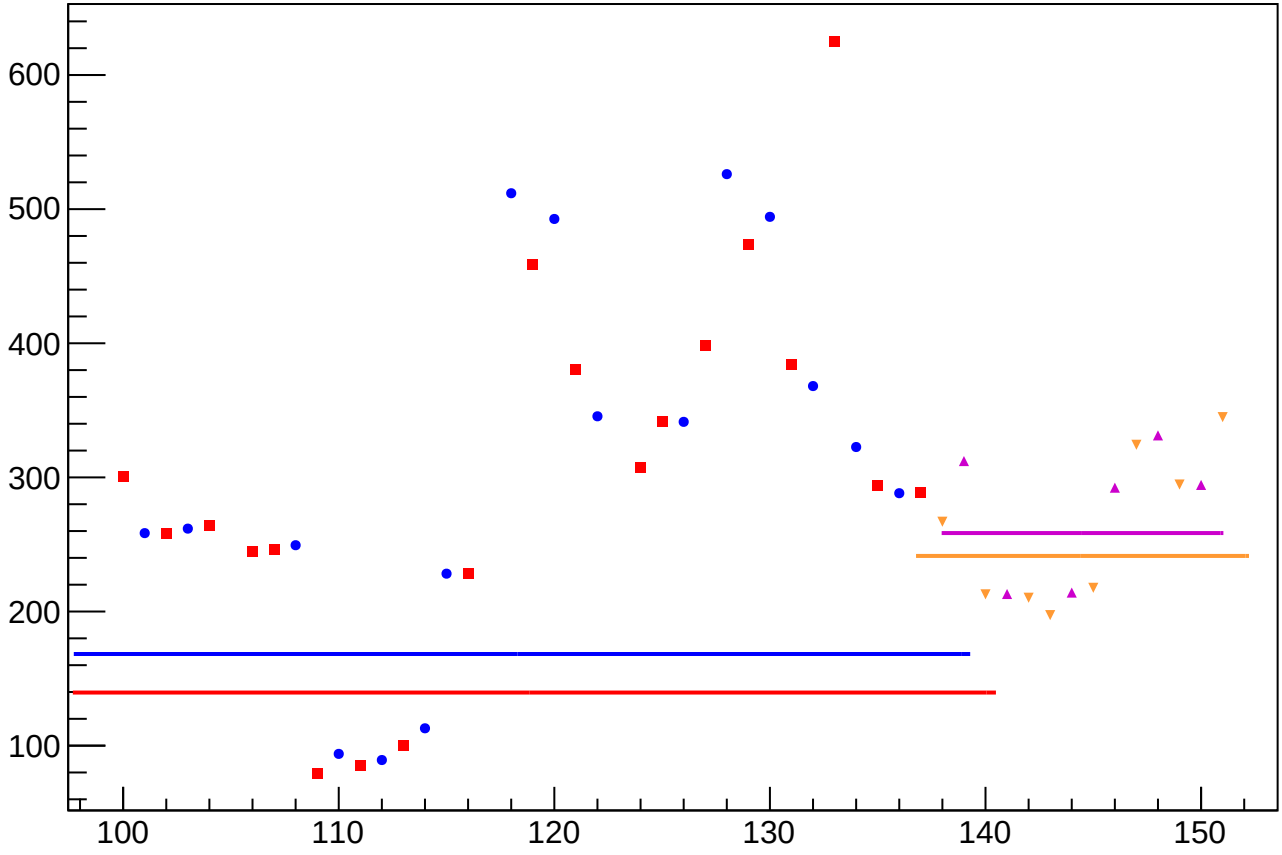
Left In: -118.763+/-114.796 χ^2/NDF:5.8/5

+ sign -161.872+/-60.489 χ^2/NDF: 34.5/23

All: -87.659+/-41.036 χ^2/NDF: 55.7/48

- sign -24.381+/-55.855 χ^2/NDF: 18.4/24

asym_sam8_reg_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 241.449+/-0.070 χ^2/NDF:475667.9/7

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

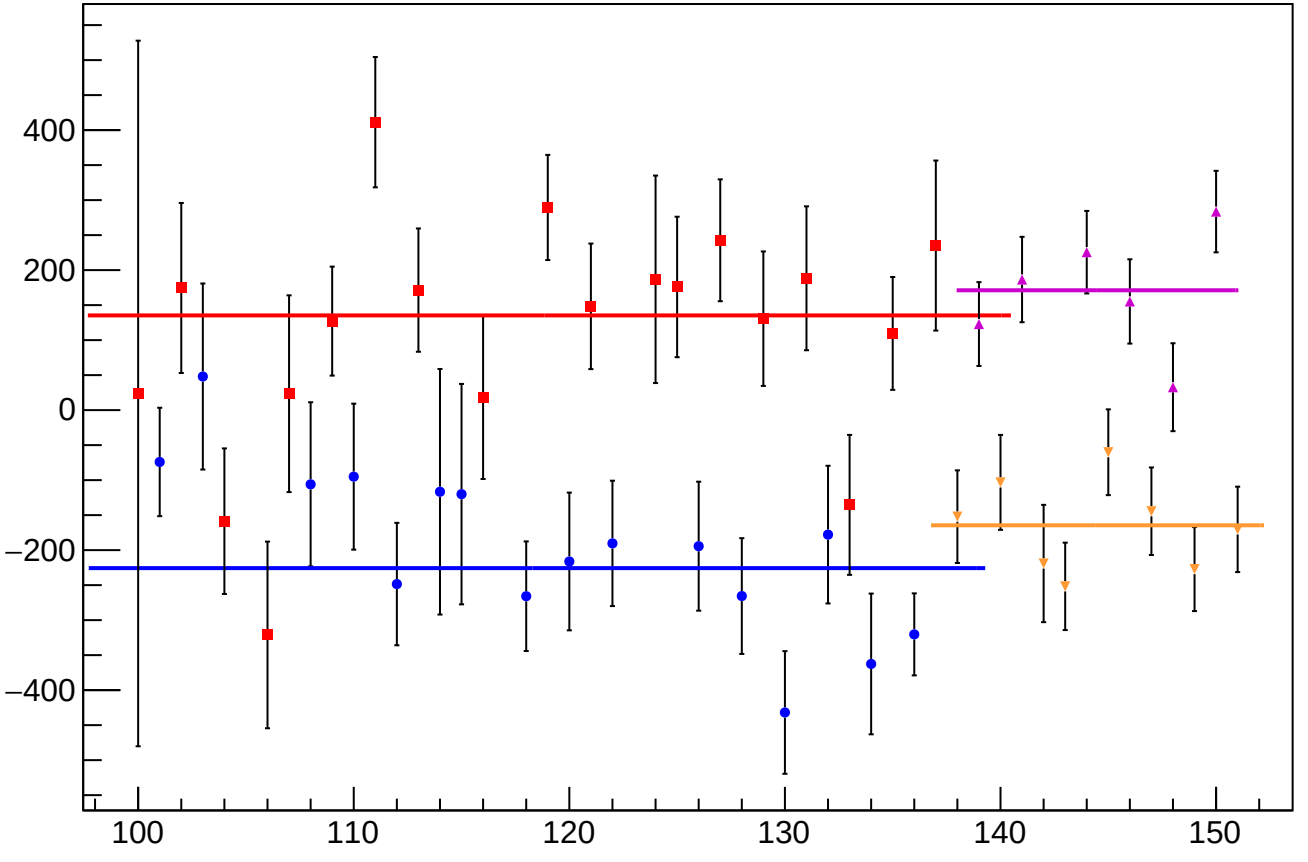
Left In: 258.504+/-0.081 χ^2/NDF:337851.5/5

+ sign 195.388+/-0.043 χ^2/NDF: 5700986.6/23

All: 180.467+/-0.029 χ^2/NDF: 13056363.2/48

- sign 167.744+/-0.039 χ^2/NDF: 7129899.6/24

cor_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -164.532+/-22.860 χ^2/NDF:7.3/7

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

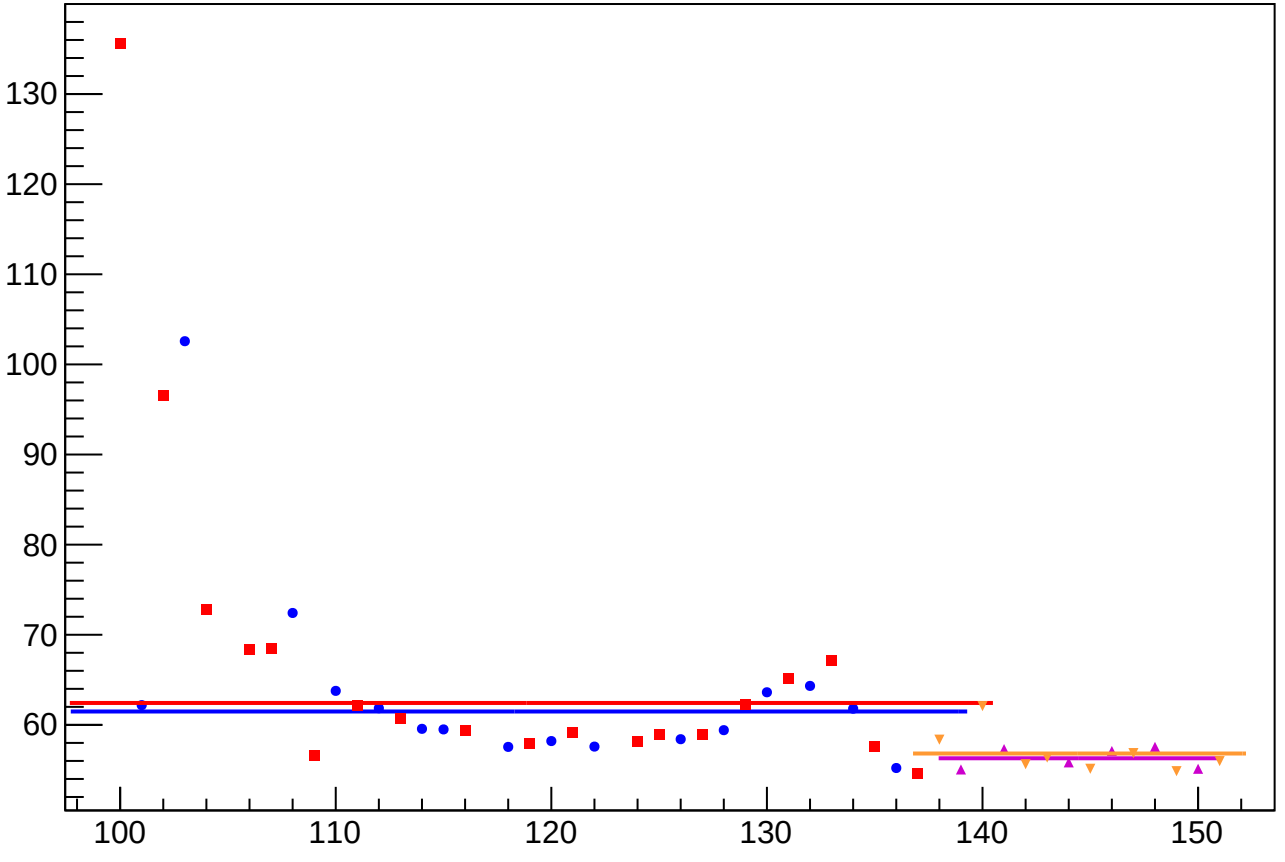
Left In: 171.210+/-24.543 χ^2/NDF:10.2/5

+ sign -194.769+/-16.255 χ^2/NDF: 33.5/23

All: -27.610+/-11.703 χ^2/NDF: 309.3/48

- sign 152.255+/-16.862 χ^2/NDF: 56.2/24

cor_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.824+/-0.016 χ^2/NDF:17664.3/7

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

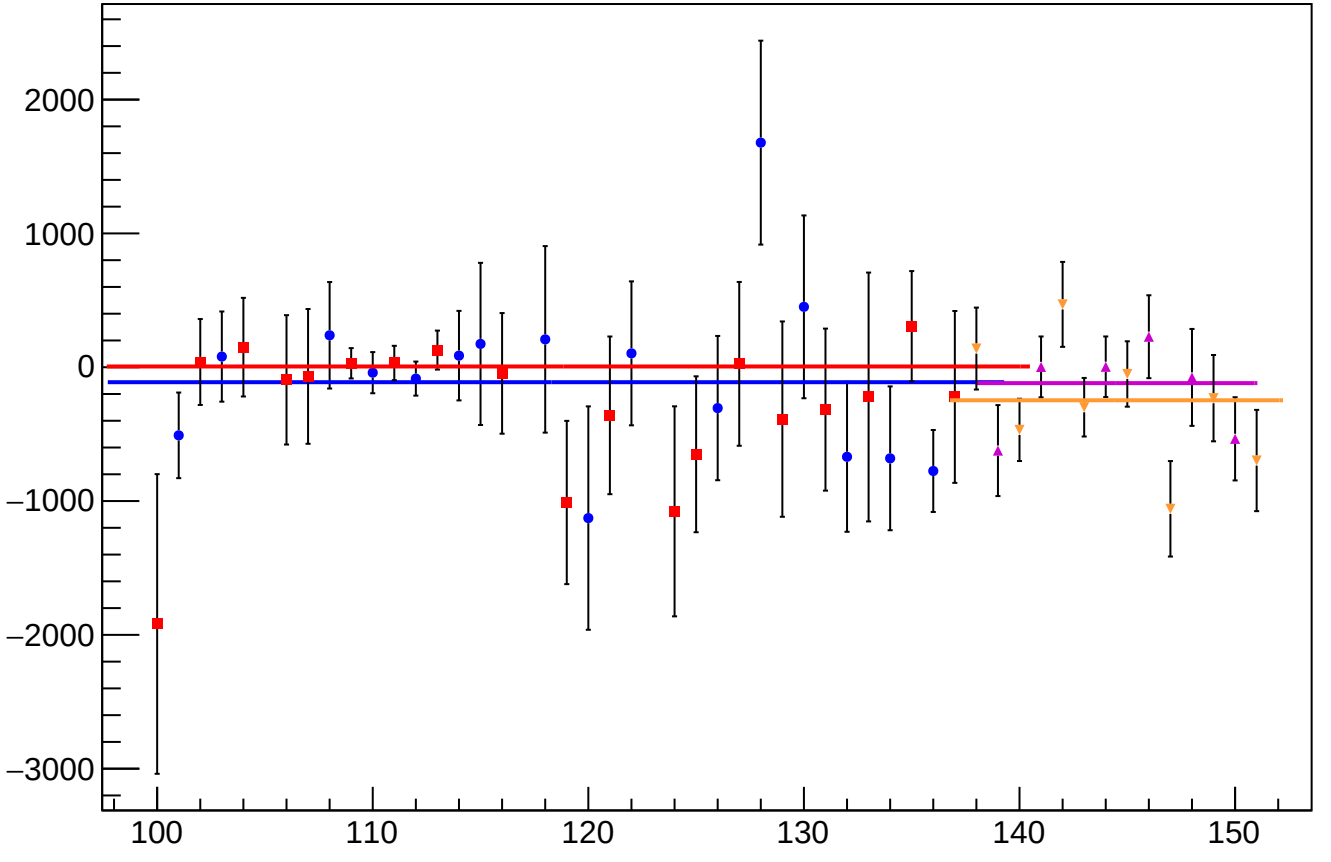
Left In: 56.294+/-0.017 χ^2/NDF:3508.6/5

+ sign 59.129+/-0.011 χ^2/NDF: 309459.8/23

All: 59.325+/-0.008 χ^2/NDF: 659031.4/48

- sign 59.535+/-0.012 χ^2/NDF: 348968.3/24

asym_sam8_cor_correction_mean vs Slug



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -246.962+/-99.435 χ^2/NDF:14.9/7

Right Out: 5.616+/-64.085 χ^2/NDF: 11.6/18

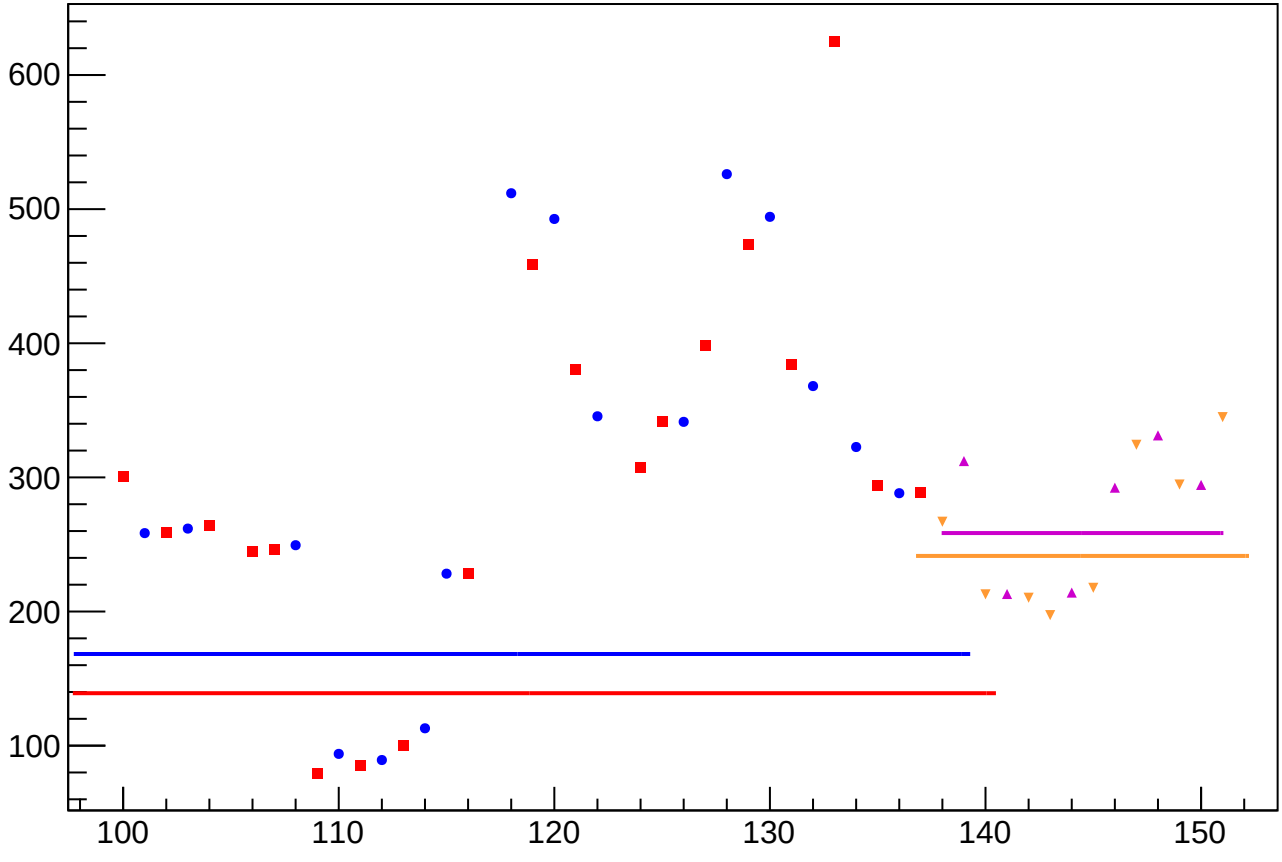
Left In: -118.762+/-114.796 χ^2/NDF:5.8/5

+ sign -161.860+/-60.489 χ^2/NDF: 34.5/23

All: -87.537+/-41.076 χ^2/NDF: 55.6/48

- sign -23.936+/-55.956 χ^2/NDF: 18.3/24

asym_sam8_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 241.449+/-0.070 χ^2/NDF:475672.0/7

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

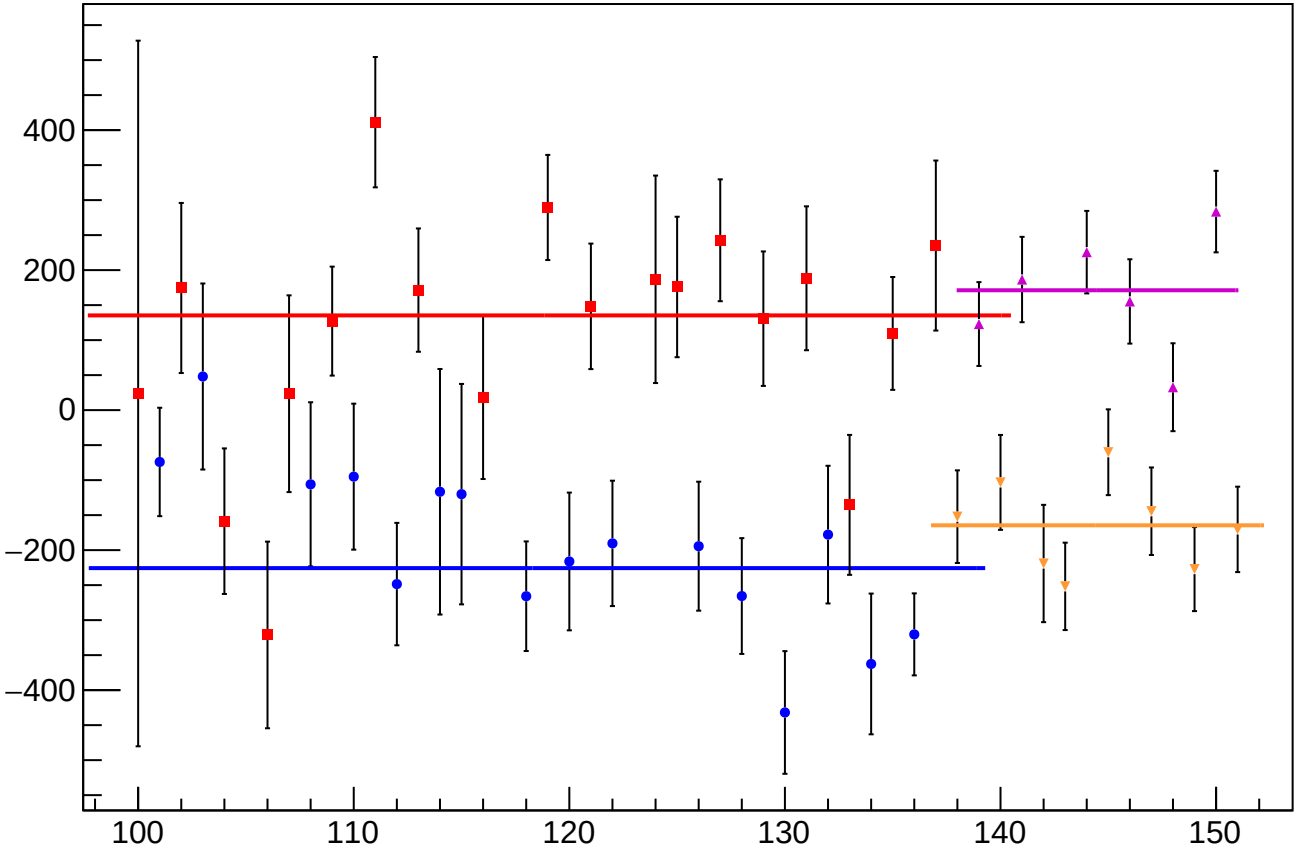
Left In: 258.504+/-0.081 χ^2/NDF:337851.3/5

+ sign 195.388+/-0.043 χ^2/NDF: 5701034.4/23

All: 180.346+/-0.029 χ^2/NDF: 13047956.3/48

- sign 167.473+/-0.040 χ^2/NDF: 7117392.4/24

eigen_cor_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -164.532+/-22.860 χ^2/NDF:7.3/7

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

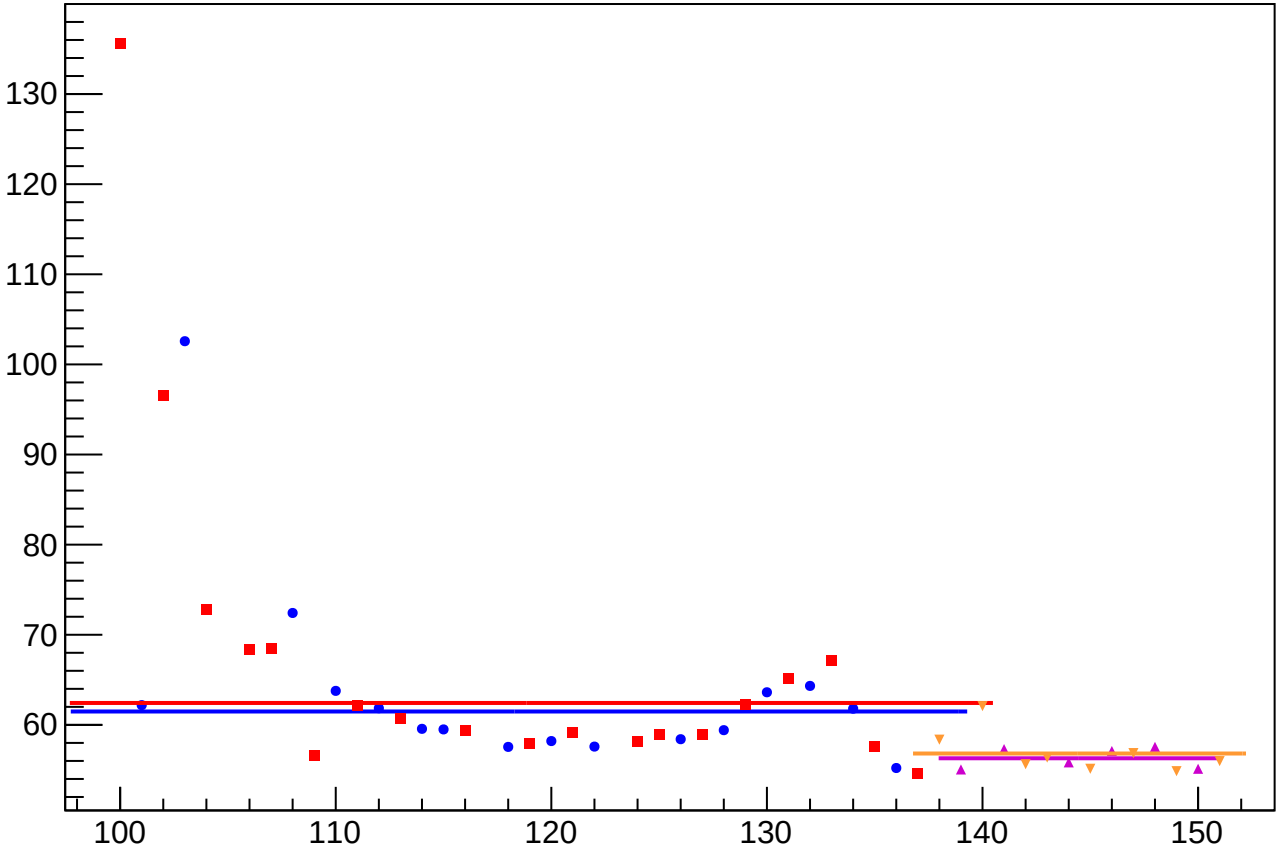
Left In: 171.210+/-24.543 χ^2/NDF:10.2/5

+ sign -194.769+/-16.255 χ^2/NDF: 33.5/23

All: -27.610+/-11.703 χ^2/NDF: 309.3/48

- sign 152.255+/-16.862 χ^2/NDF: 56.2/24

eigen_cor_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.824+/-0.016 χ^2/NDF:17664.3/7

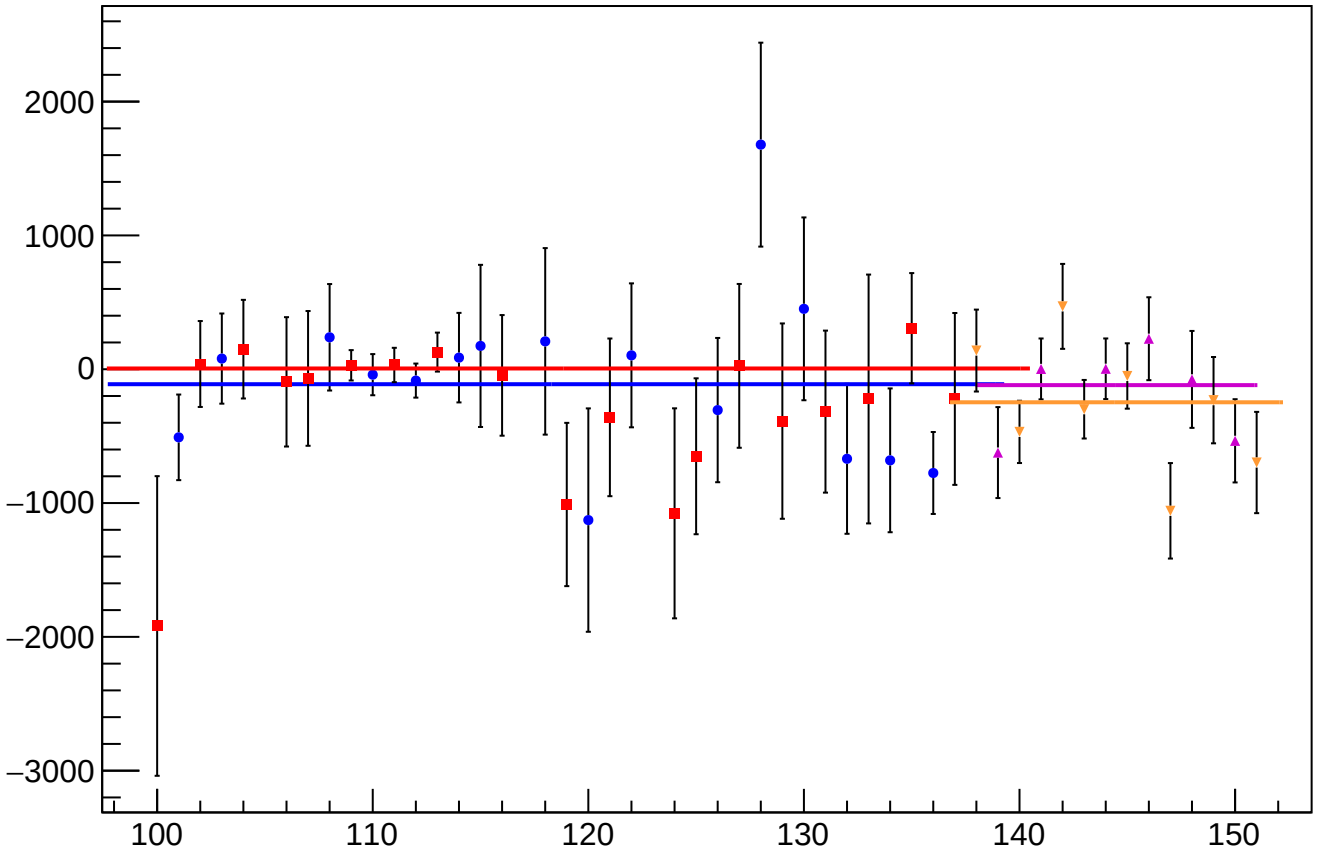
Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.294+/-0.017 χ^2/NDF:3508.6/5

+ sign 59.129+/-0.011 χ^2/NDF: 309459.8/23

All: 59.325+/-0.008 χ^2/NDF: 659031.4/48

- sign 59.535+/-0.012 χ^2/NDF: 348968.3/24



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -246.962+/-99.435 χ^2/NDF:14.9/7

Right Out: 5.616+/-64.085 χ^2/NDF: 11.6/18

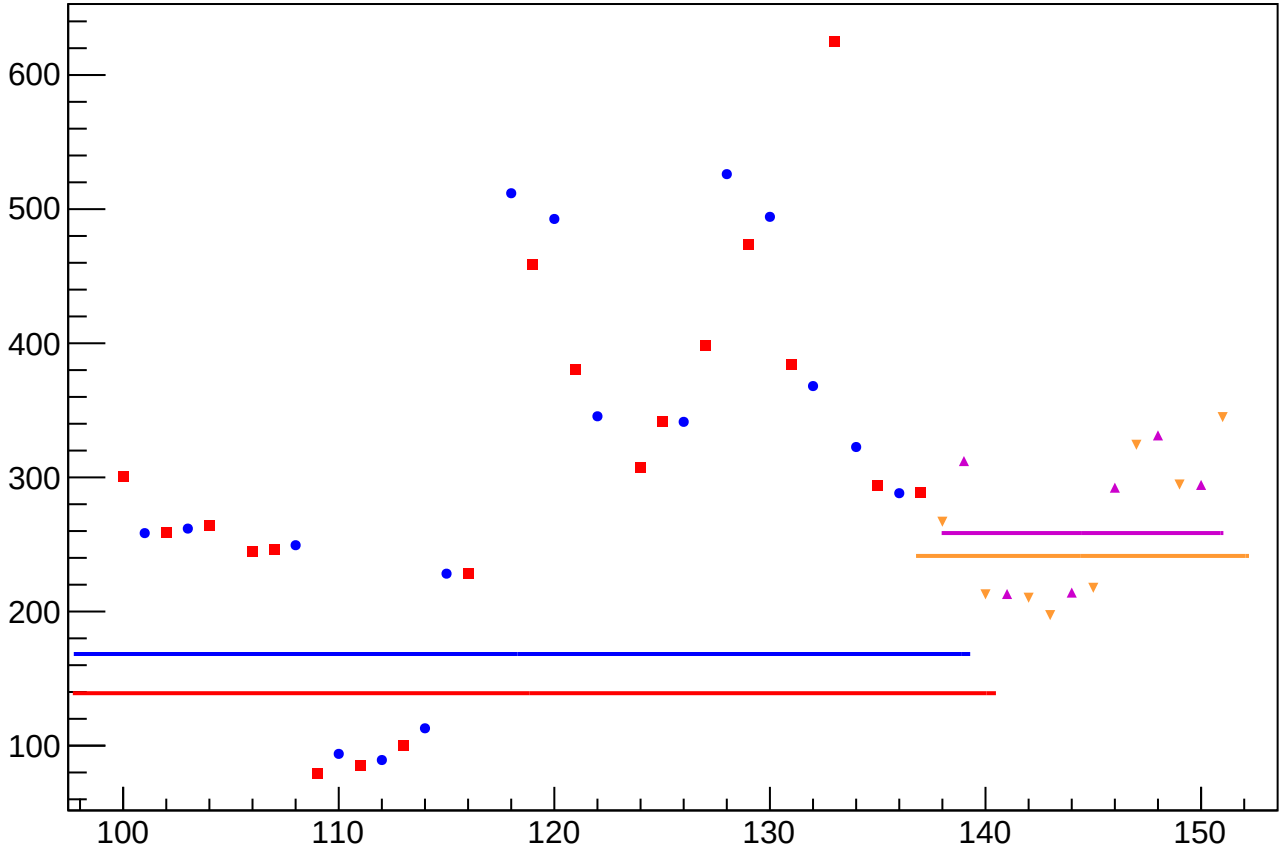
Left In: -118.762+/-114.796 χ^2/NDF:5.8/5

+ sign -161.860+/-60.489 χ^2/NDF: 34.5/23

All: -87.537+/-41.076 χ^2/NDF: 55.6/48

- sign -23.936+/-55.956 χ^2/NDF: 18.3/24

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 241.449+/-0.070 χ^2/NDF:475672.0/7

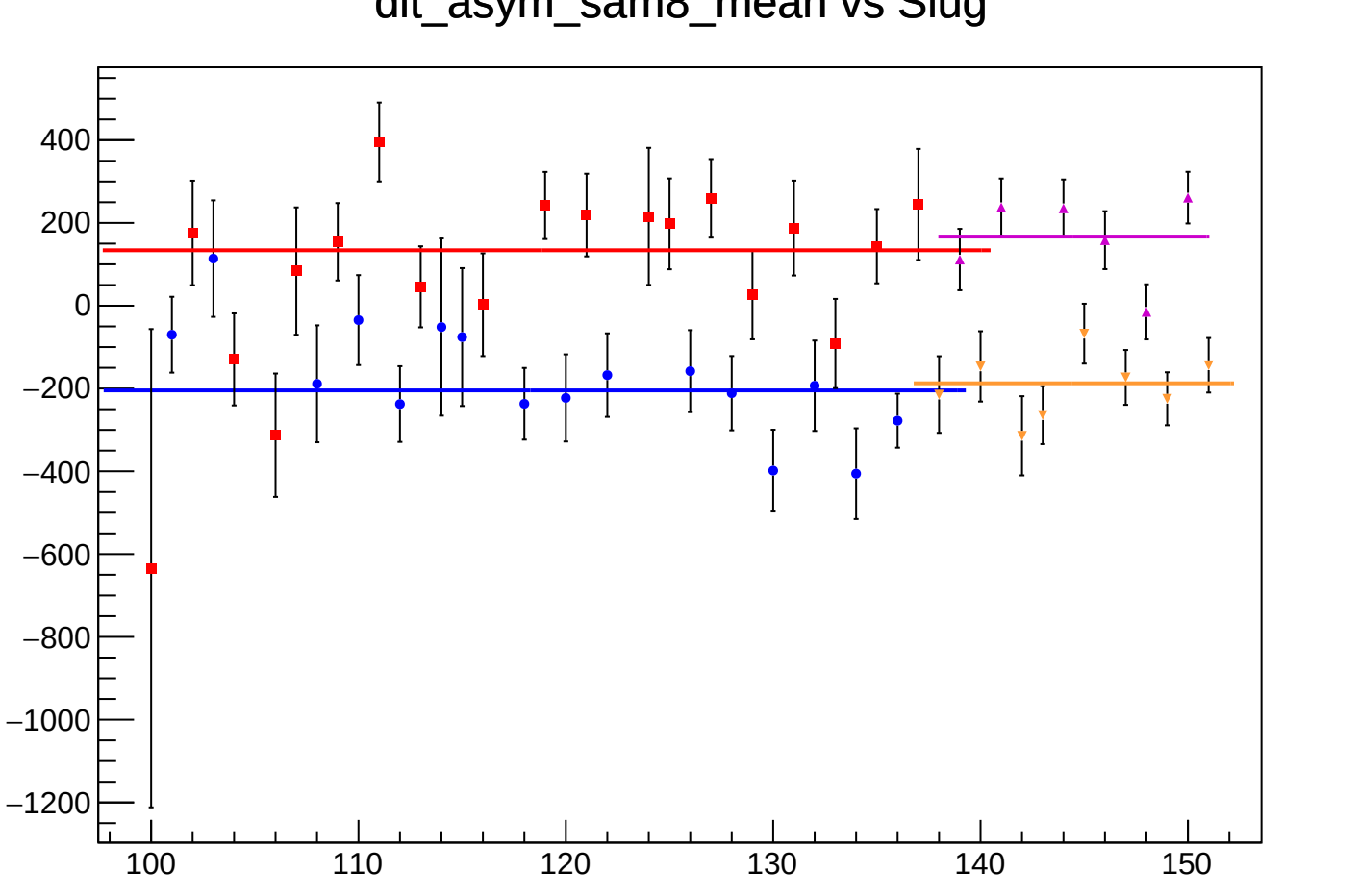
Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 258.504+/-0.081 χ^2/NDF:337851.3/5

+ sign 195.388+/-0.043 χ^2/NDF: 5701034.4/23

All: 180.346+/-0.029 χ^2/NDF: 13047956.3/48

- sign 167.473+/-0.040 χ^2/NDF: 7117392.4/24



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -187.403+/-26.152 χ^2/NDF:6.9/7

Right Out: 133.924+/-25.484 χ^2/NDF: 37.2/18

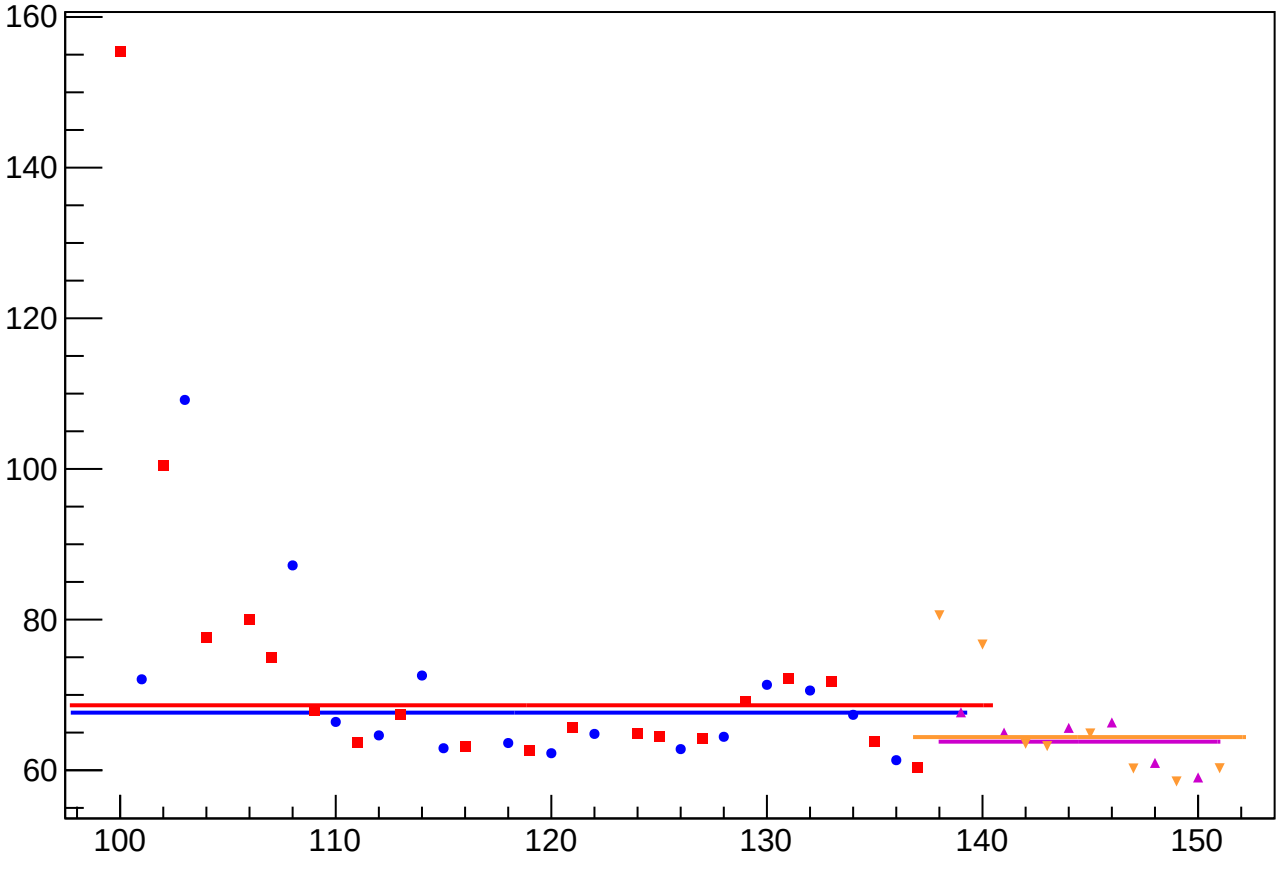
Left In: 167.001+/-27.918 χ^2/NDF:12.3/5

+ sign -196.199+/-18.266 χ^2/NDF: 27.1/23

All: -28.788+/-13.108 χ^2/NDF: 250.6/48

- sign 148.958+/-18.822 χ^2/NDF: 50.3/24

dit_asym_sam8_rms vs Slug



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 64.402+/-0.018 χ^2/NDF:136513.0/7

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

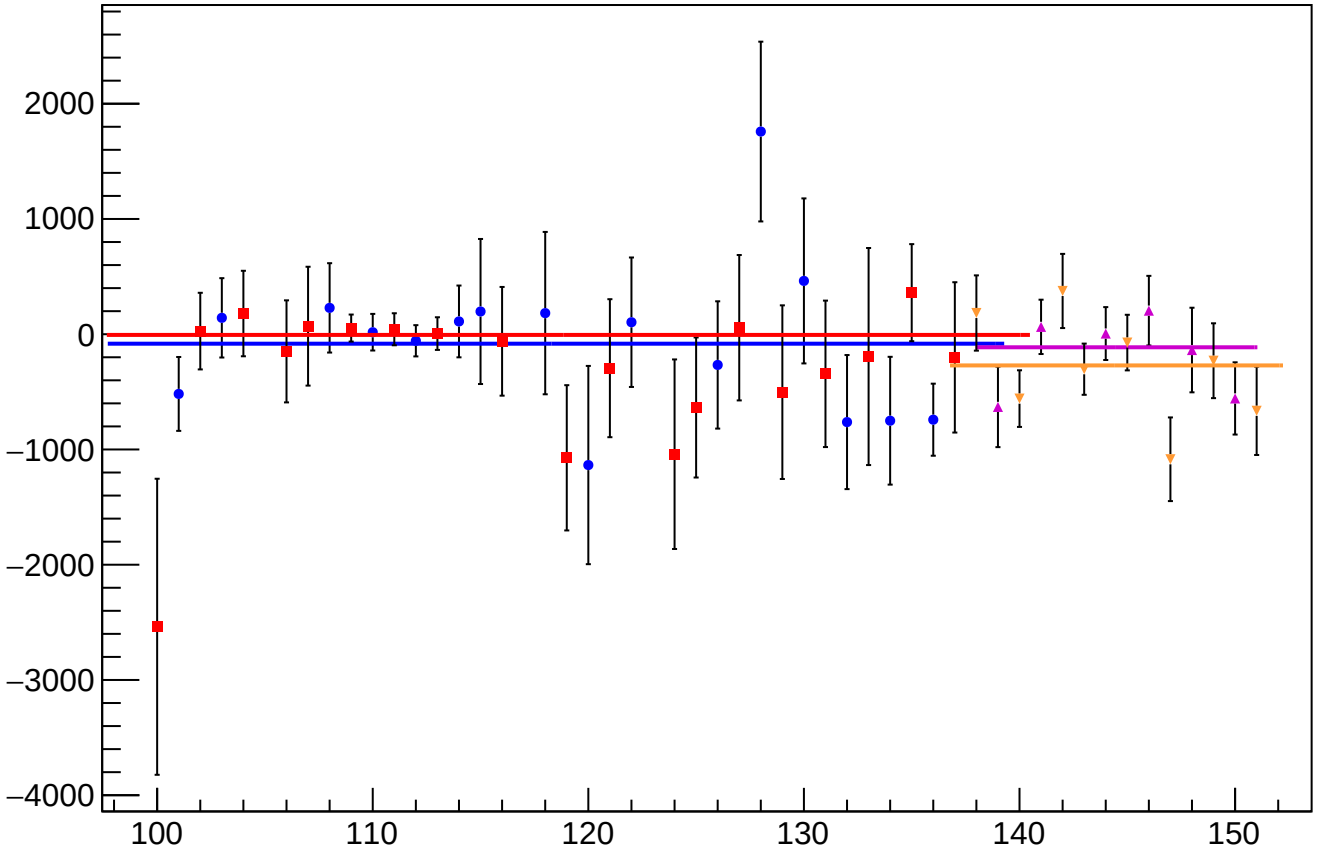
Left In: 63.794+/-0.020 χ^2/NDF:25371.6/5

+ sign 66.064+/-0.013 χ^2/NDF: 415956.2/23

All: 66.241+/-0.009 χ^2/NDF: 722531.8/48

- sign 66.429+/-0.013 χ^2/NDF: 306189.5/24

asym_sam8_dit_correction_mean vs Slug



Right In: -82.228+/-78.676 χ^2/NDF: 19.2/15

Left Out: -270.710+/-101.566 χ^2/NDF:14.1/7

Right Out: -6.063+/-65.910 χ^2/NDF: 12.0/18

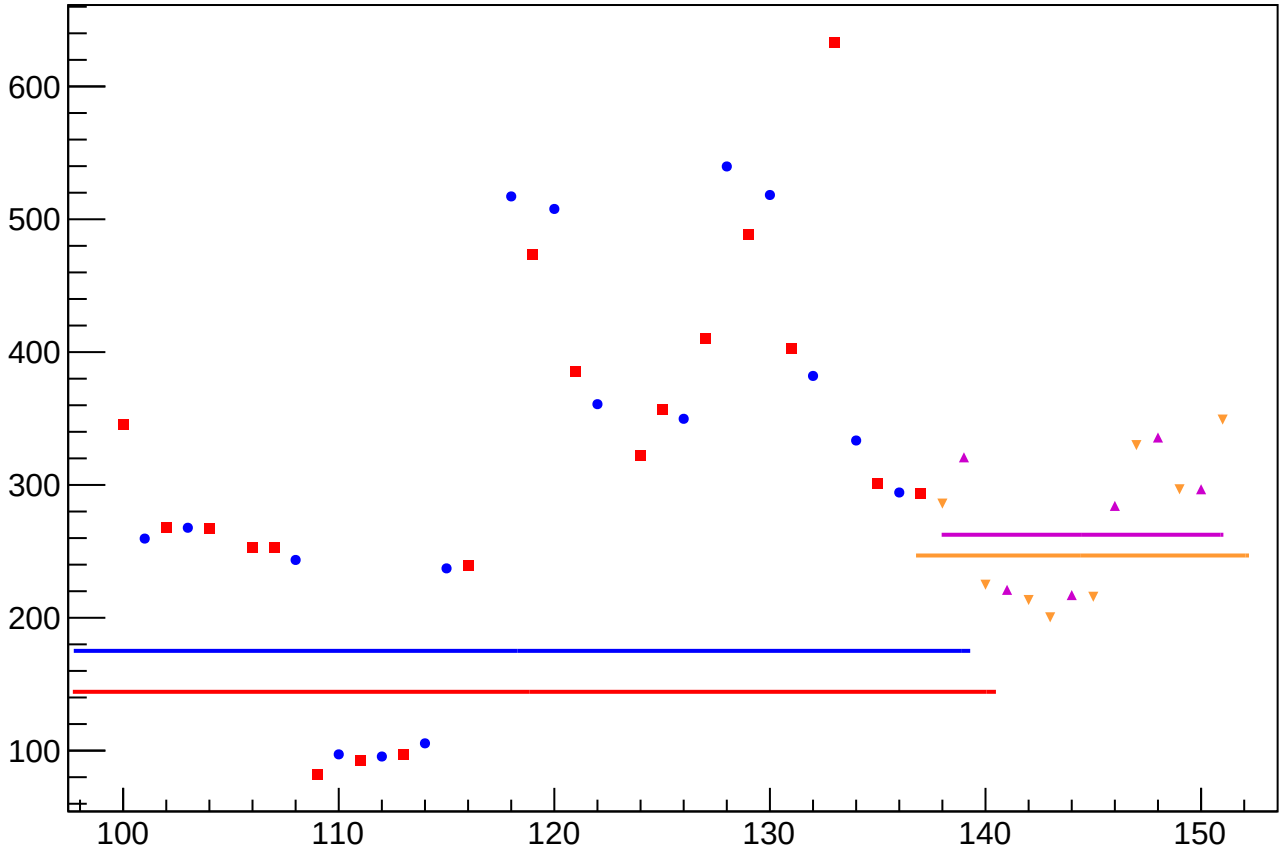
Left In: -113.352+/-116.428 χ^2/NDF:6.1/5

+ sign -152.912+/-62.198 χ^2/NDF: 35.5/23

All: -87.624+/-42.165 χ^2/NDF: 56.4/48

- sign -32.102+/-57.357 χ^2/NDF: 18.8/24

asym_sam8_dit_correction_rms vs Slug



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 246.890+/-0.072 χ^2/NDF:481814.1/7

Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

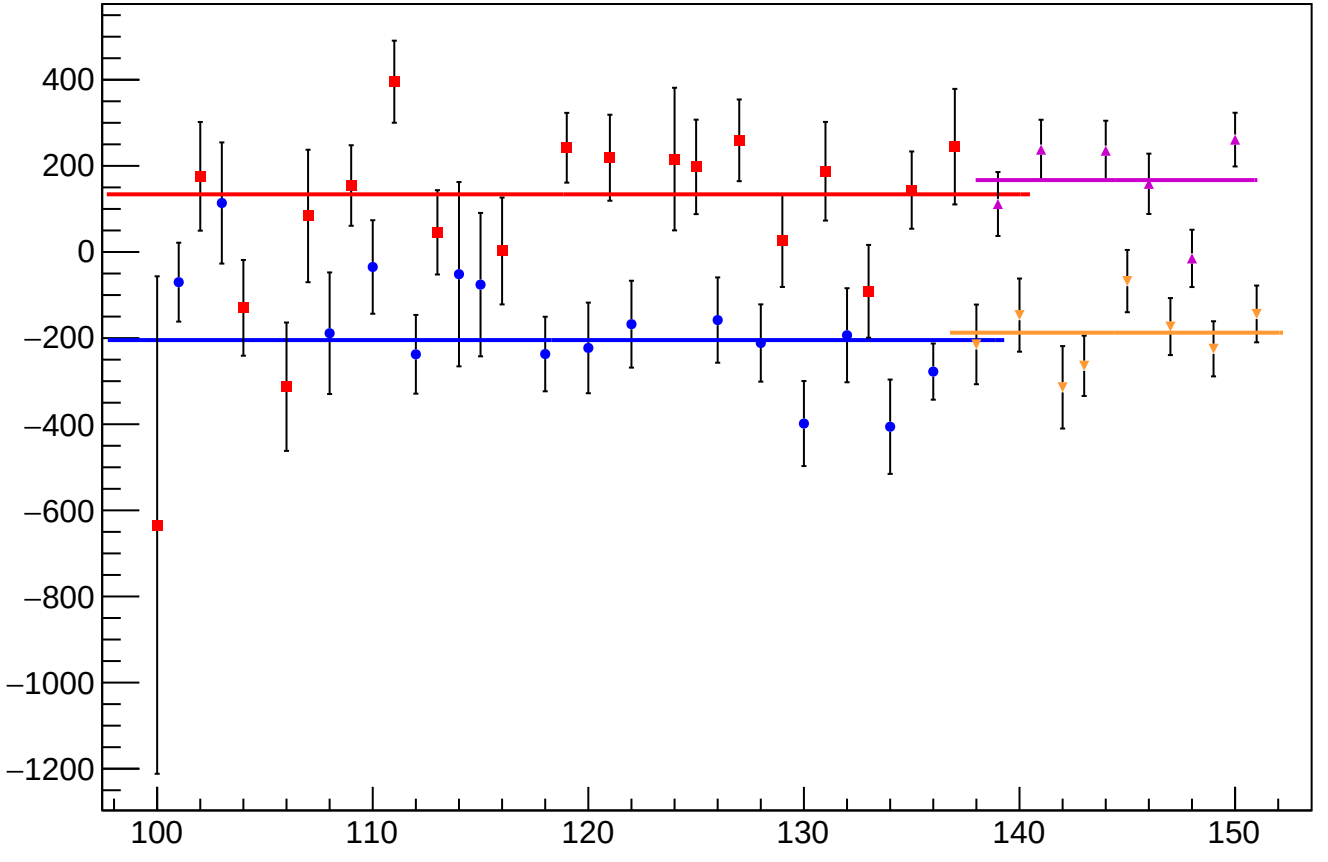
Left In: 262.509+/-0.082 χ^2/NDF:309814.1/5

+ sign 202.022+/-0.044 χ^2/NDF: 5535392.6/23

All: 186.322+/-0.030 χ^2/NDF: 12775388.7/48

- sign 172.971+/-0.041 χ^2/NDF: 7004195.4/24

eigen_dit_asym_sam8_mean vs Slug



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -187.403+/-26.153 χ^2/NDF:6.9/7

Right Out: 133.926+/-25.483 χ^2/NDF: 37.2/18

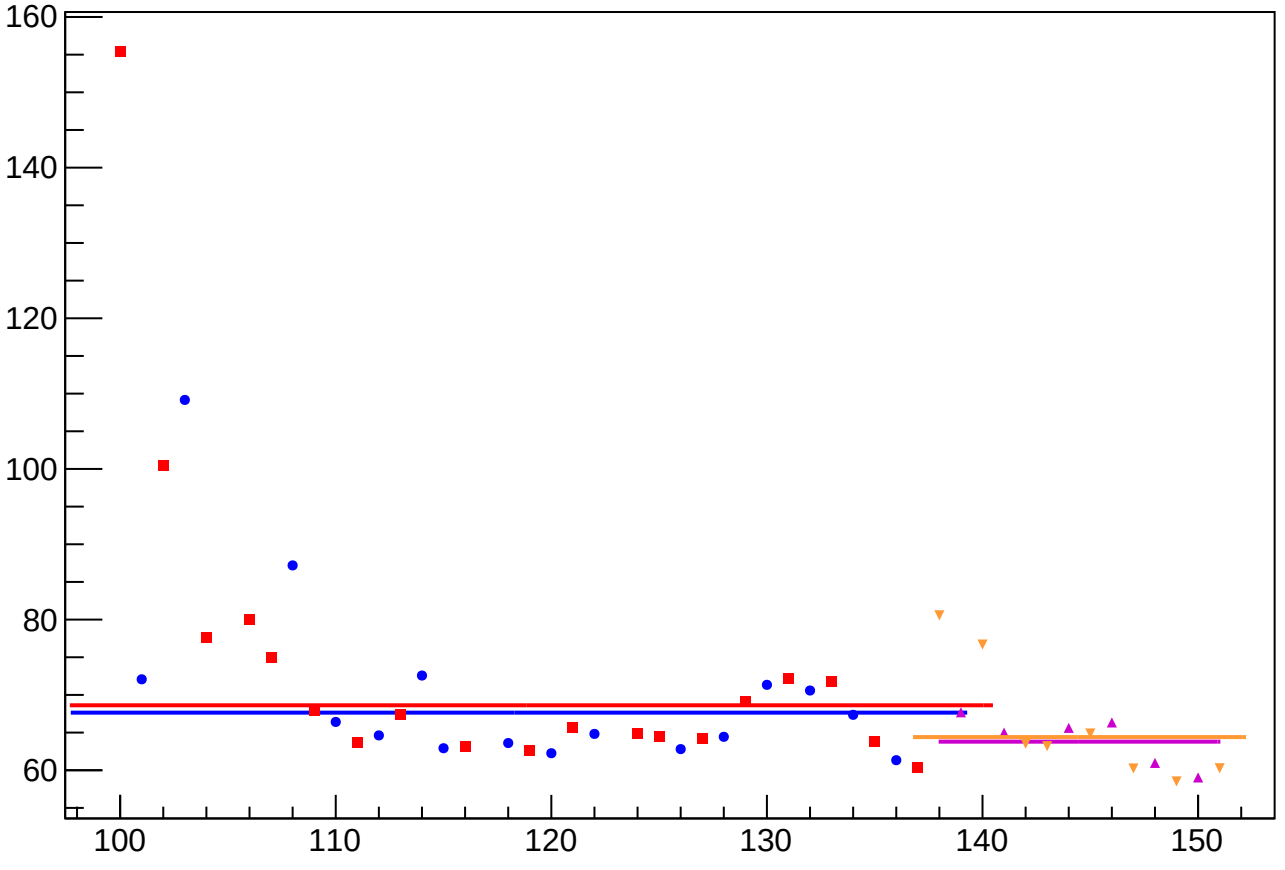
Left In: 167.001+/-27.918 χ^2/NDF:12.3/5

+ sign -196.199+/-18.266 χ^2/NDF: 27.1/23

All: -28.788+/-13.108 χ^2/NDF: 250.6/48

- sign 148.959+/-18.821 χ^2/NDF: 50.3/24

eigen_dit_asym_sam8_rms vs Slug



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 64.402+/-0.018 χ^2/NDF:136511.6/7

Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

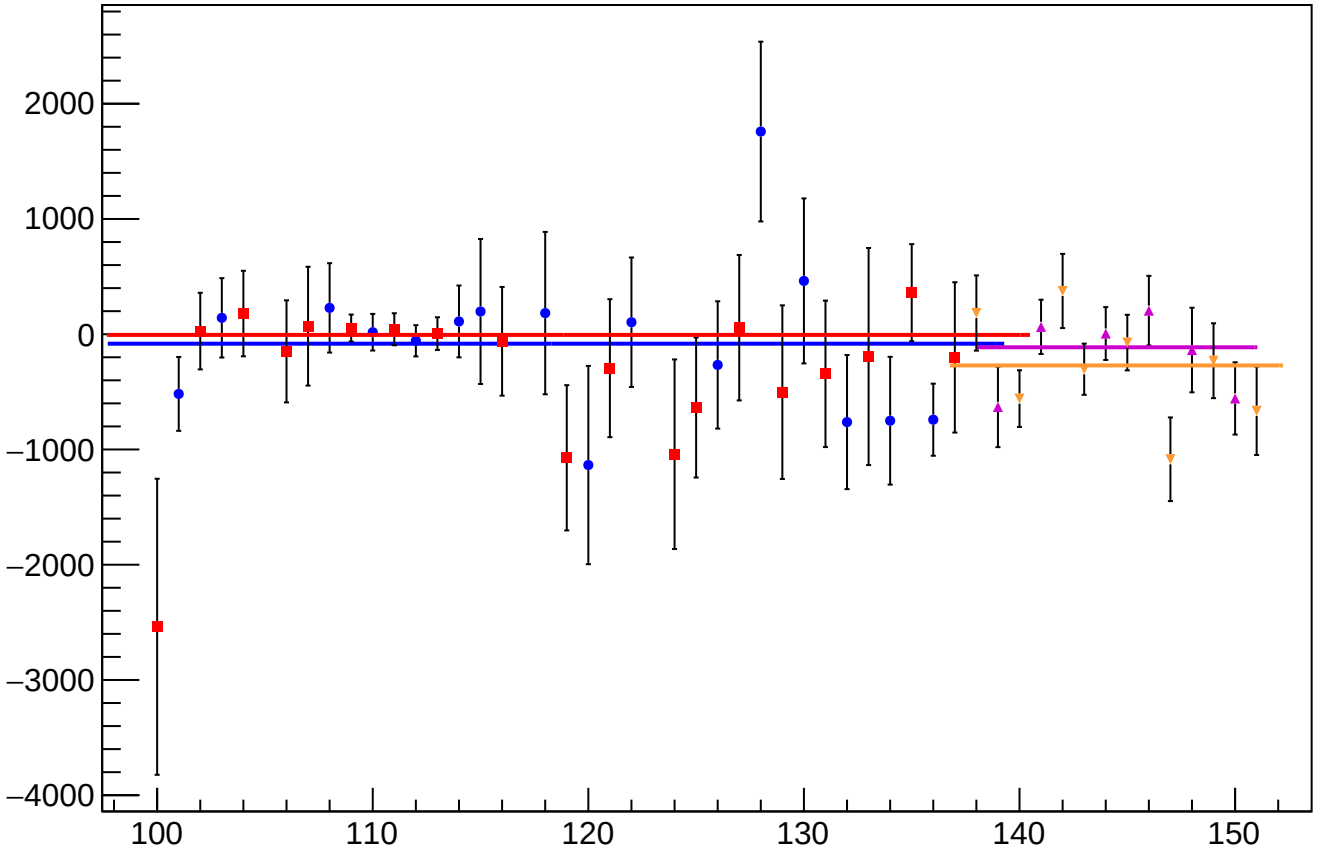
Left In: 63.794+/-0.020 χ^2/NDF:25371.9/5

+ sign 66.064+/-0.013 χ^2/NDF: 415951.3/23

All: 66.241+/-0.009 χ^2/NDF: 722524.6/48

- sign 66.429+/-0.013 χ^2/NDF: 306187.3/24

asym_sam8_eigen_dit_correction_mean vs Slug



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -270.710+/-101.565 χ^2/NDF:14.1/7

Right Out: -6.062+/-65.910 χ^2/NDF: 12.0/18

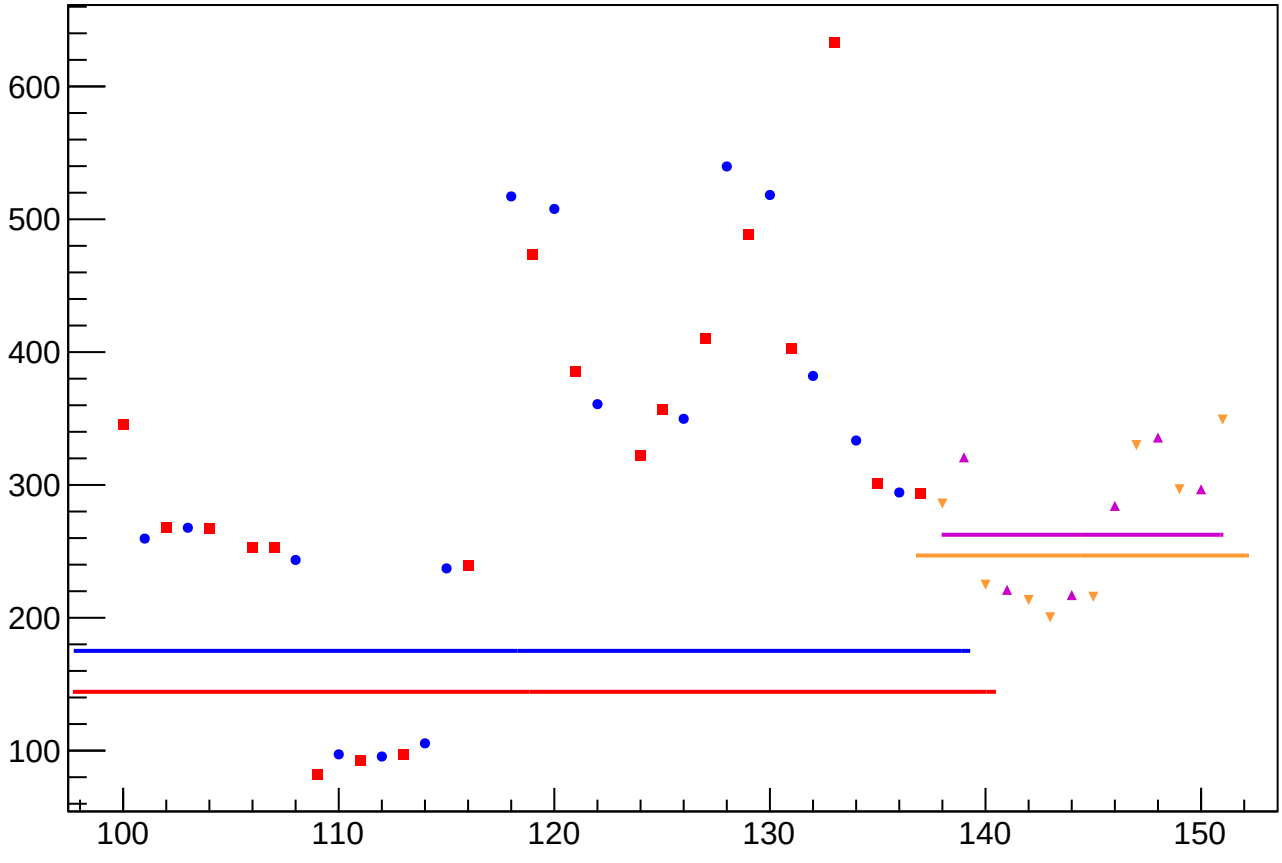
Left In: -113.352+/-116.427 χ^2/NDF:6.1/5

+ sign -152.911+/-62.197 χ^2/NDF: 35.5/23

All: -87.623+/-42.165 χ^2/NDF: 56.4/48

- sign -32.101+/-57.357 χ^2/NDF: 18.8/24

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 246.889+/-0.072 χ^2/NDF:481816.0/7

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

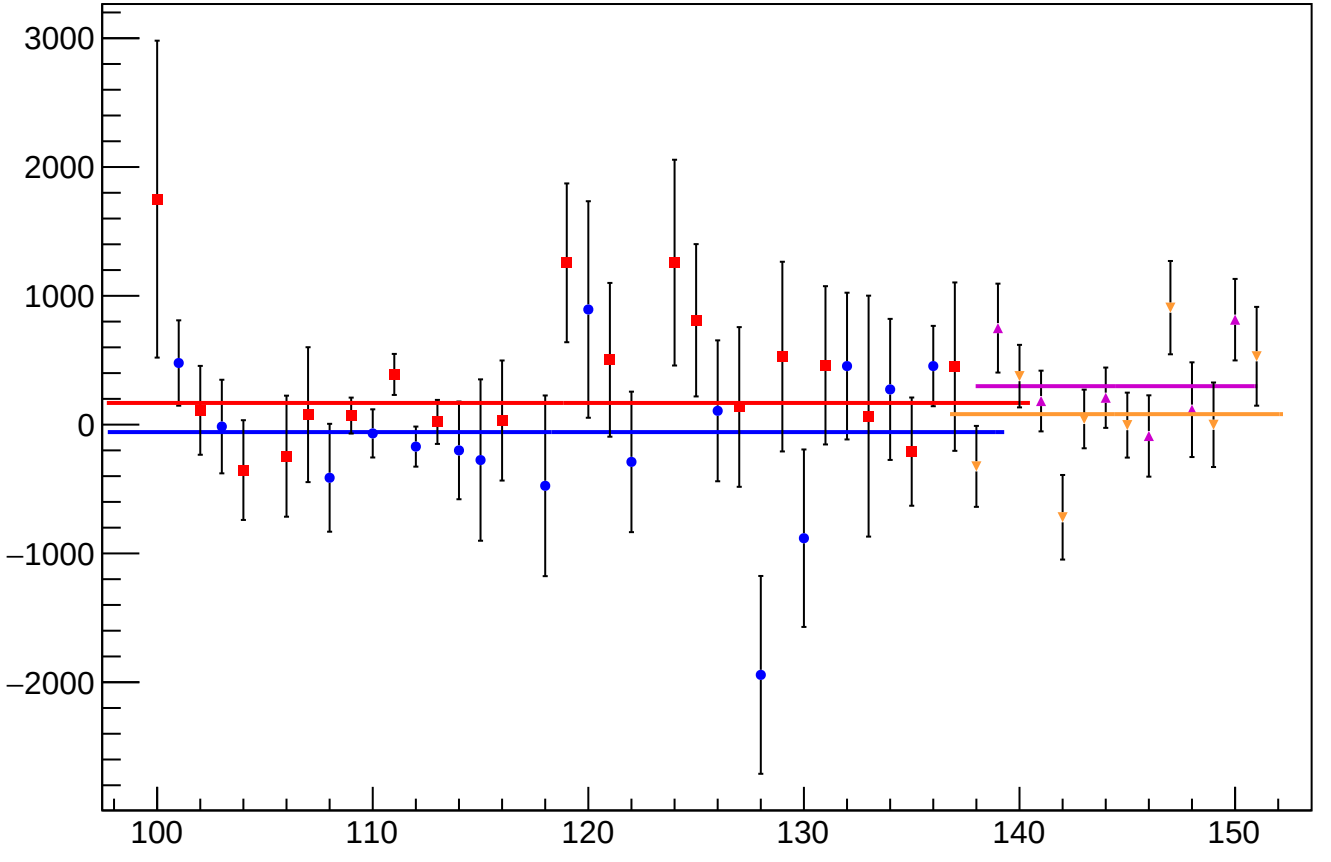
Left In: 262.508+/-0.082 χ^2/NDF:309812.0/5

+ sign 202.021+/-0.044 χ^2/NDF: 5535426.8/23

All: 186.321+/-0.030 χ^2/NDF: 12775380.2/48

- sign 172.970+/-0.041 χ^2/NDF: 7004165.8/24

asym_sam8_mean vs Slug



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: 81.411+/-102.548 χ^2/NDF:15.9/7

Right Out: 168.322+/-74.598 χ^2/NDF: 15.5/18

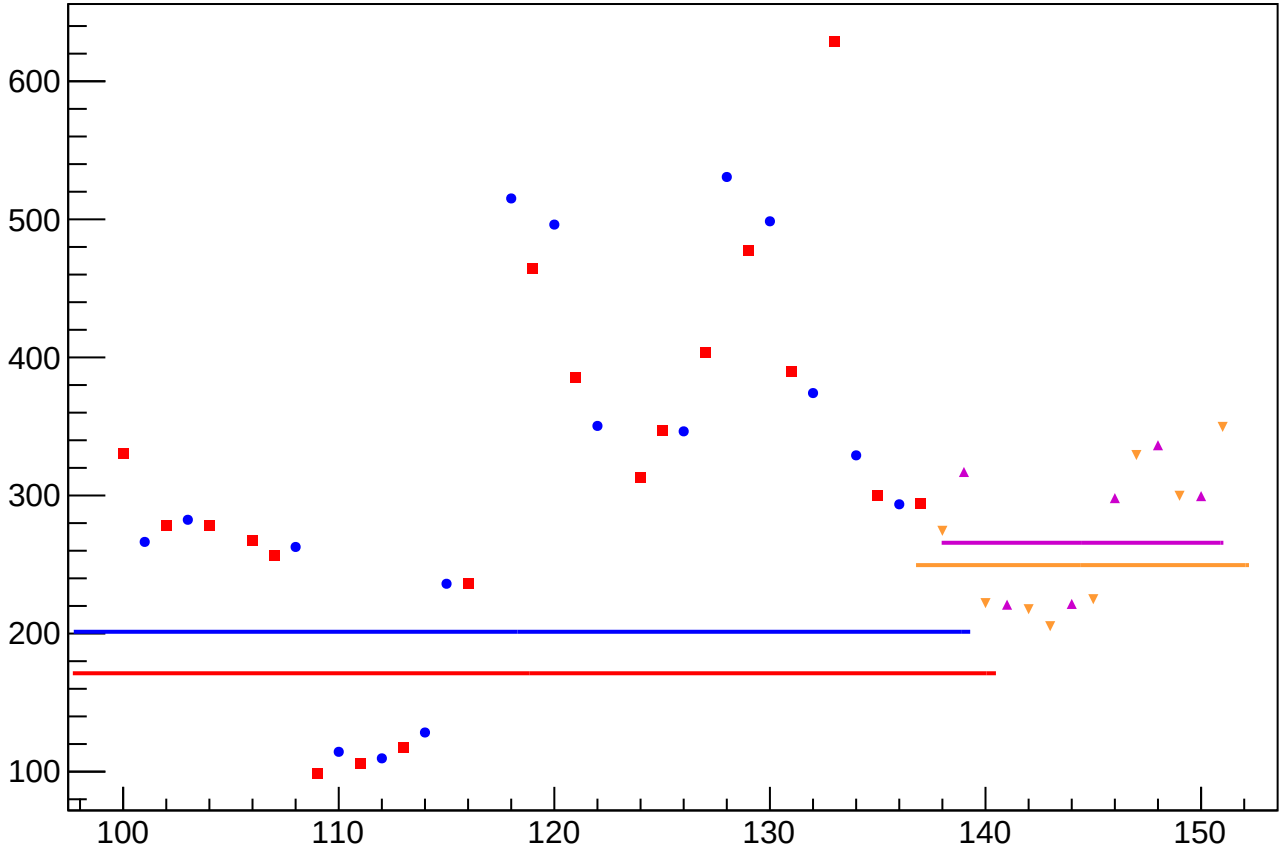
Left In: 298.556+/-117.808 χ^2/NDF:6.5/5

+ sign 0.278+/-66.293 χ^2/NDF: 34.3/23

All: 108.122+/-45.677 χ^2/NDF: 62.2/48

- sign 205.595+/-63.025 χ^2/NDF: 22.9/24

asym_sam8_rms vs Slug



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 249.583+/-0.073 χ^2/NDF:431836.3/7

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

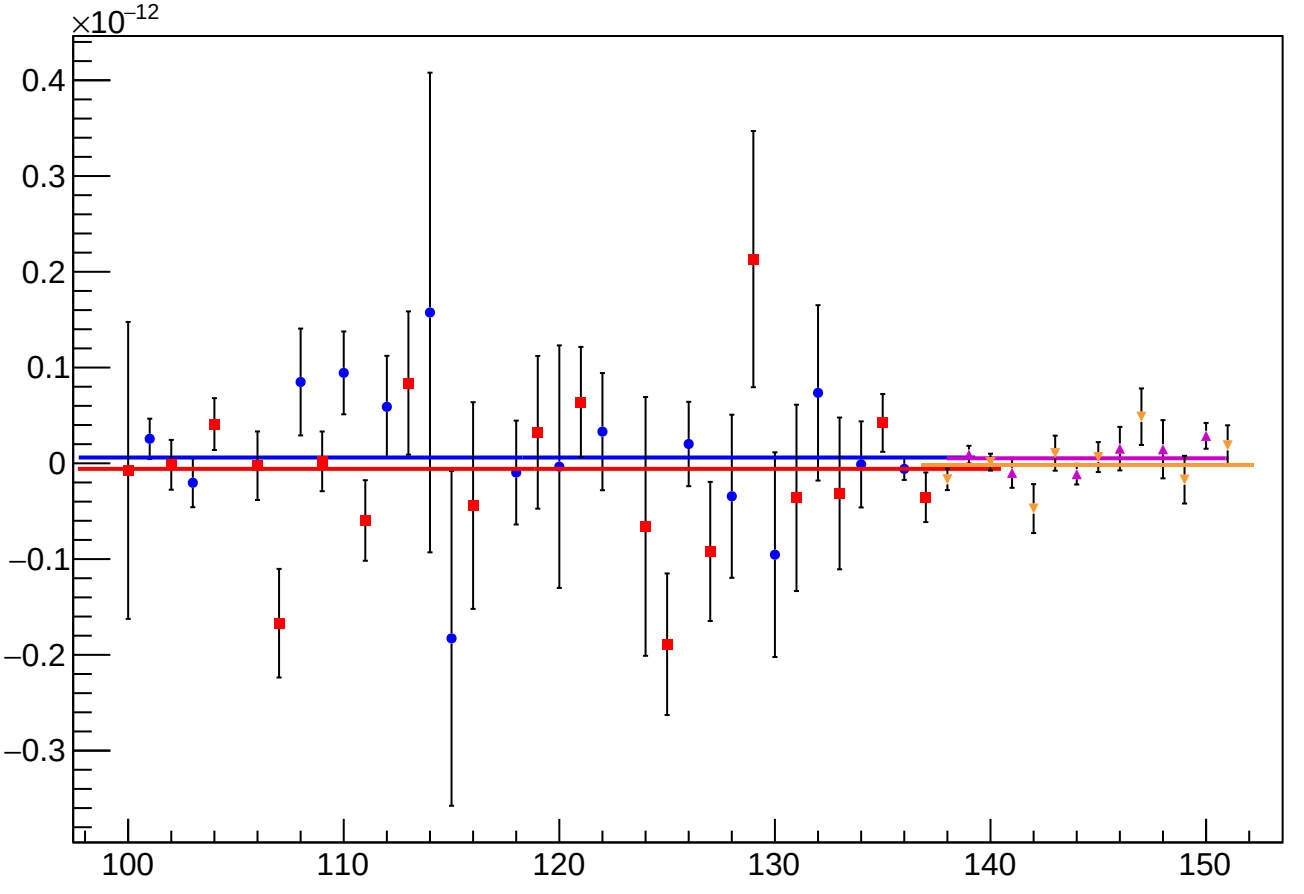
Left In: 265.764+/-0.083 χ^2/NDF:305641.1/5

+ sign 221.479+/-0.047 χ^2/NDF: 4262103.4/23

All: 209.305+/-0.032 χ^2/NDF: 9807528.7/48

- sign 198.301+/-0.045 χ^2/NDF: 5417017.3/24

asym_sam8_reg_vs_cor_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:10.0/7

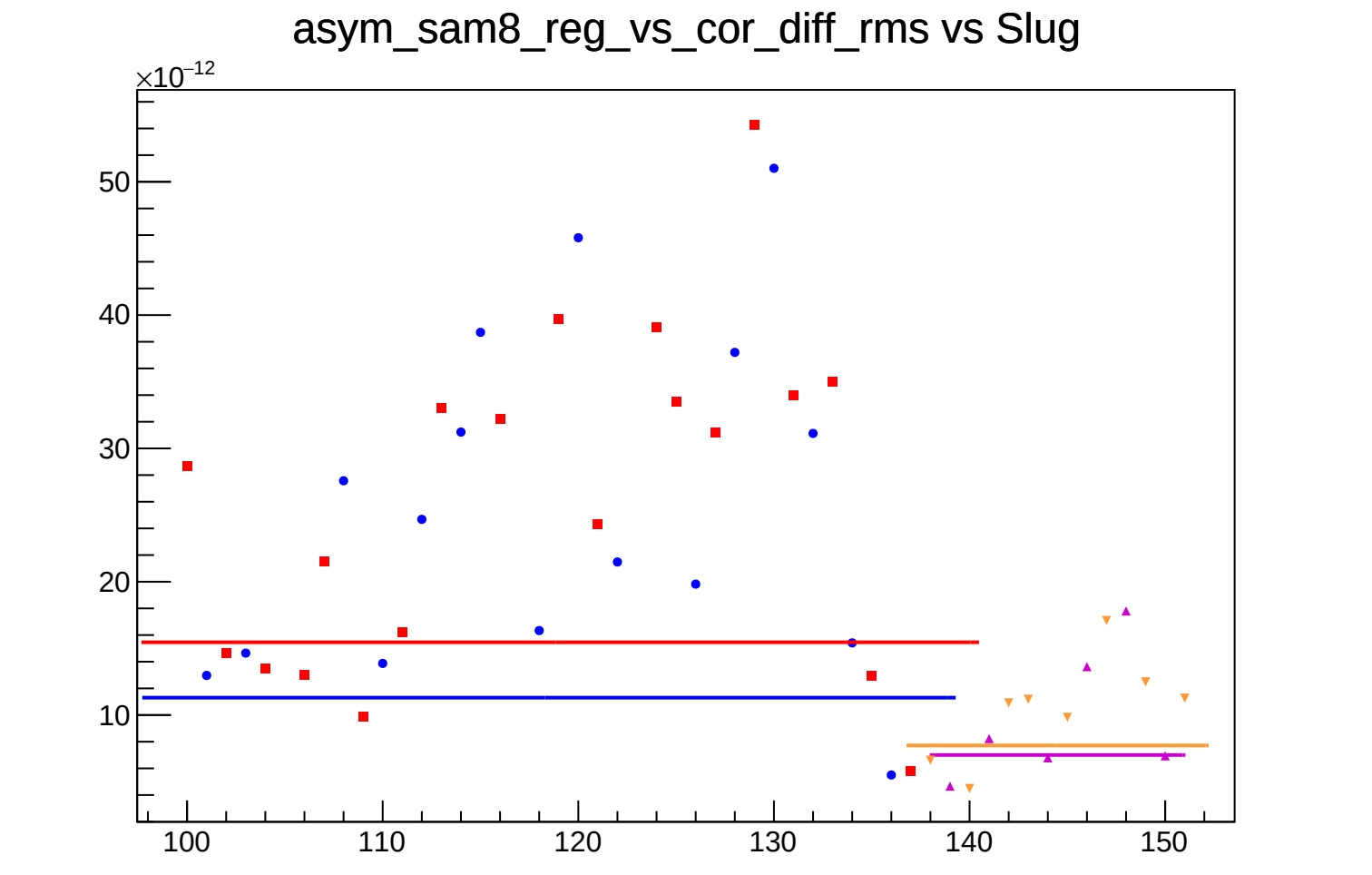
Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: 0.000+/-0.000 χ^2/NDF:6.8/5

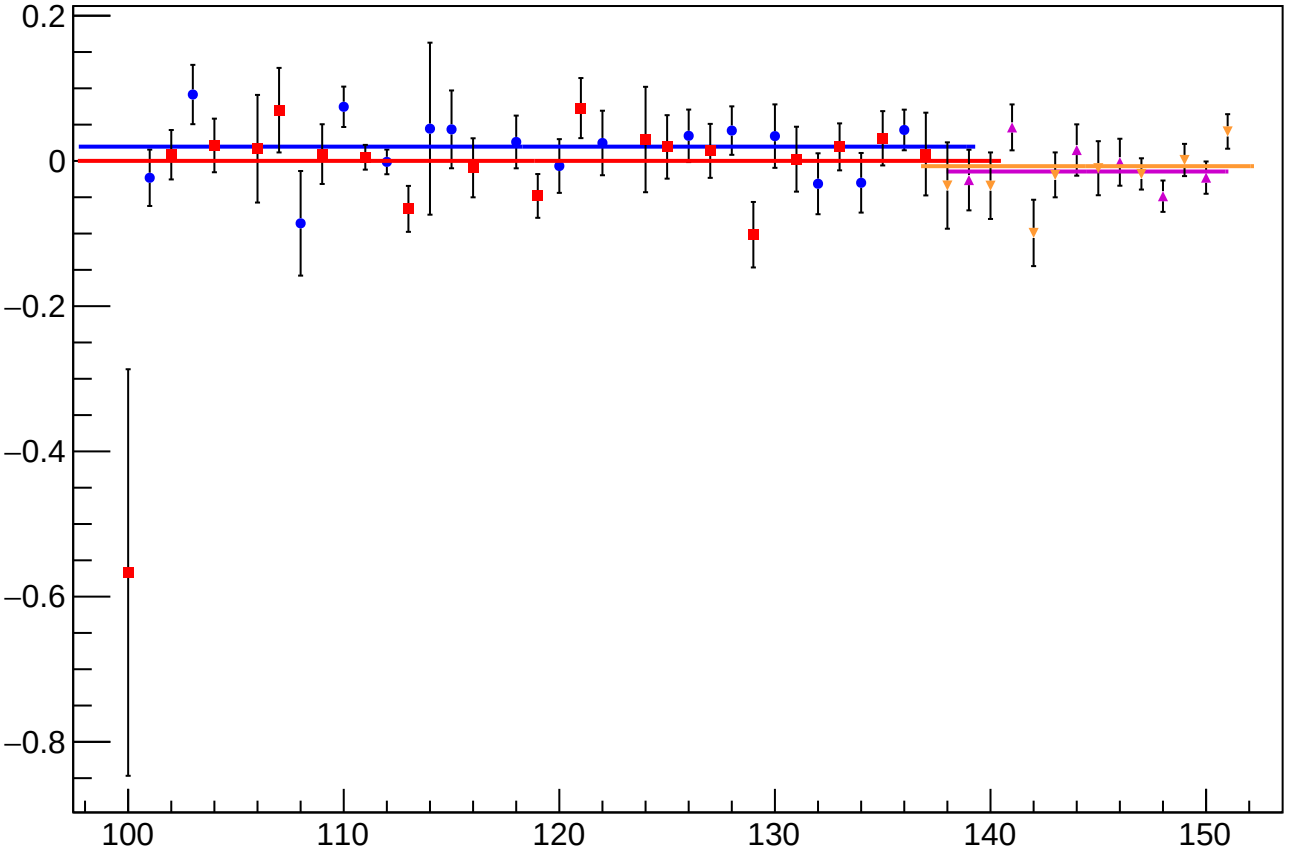
+ sign 0.000+/-0.000 χ^2/NDF: 24.4/23

All: 0.000+/-0.000 χ^2/NDF: 62.7/48

- sign 0.000+/-0.000 χ^2/NDF: 38.2/24


asym_sam8_reg_vs_cor_diff_rms vs Slug
×10⁻¹²
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1788731.6/15
Left Out: 0.000+/-0.000 χ²/NDF:760133.3/7
Right Out: 0.000+/-0.000 χ²/NDF: 1442096.6/18
Left In: 0.000+/-0.000 χ²/NDF:563879.1/5
+ sign 0.000+/-0.000 χ²/NDF: 2813161.3/23
All: 0.000+/-0.000 χ²/NDF: 5885121.6/48
- sign 0.000+/-0.000 χ²/NDF: 3071201.9/24

asym_sam8_dit_vs_cor_diff_mean vs Slug



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.007+/-0.011 χ^2/NDF:9.2/7

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

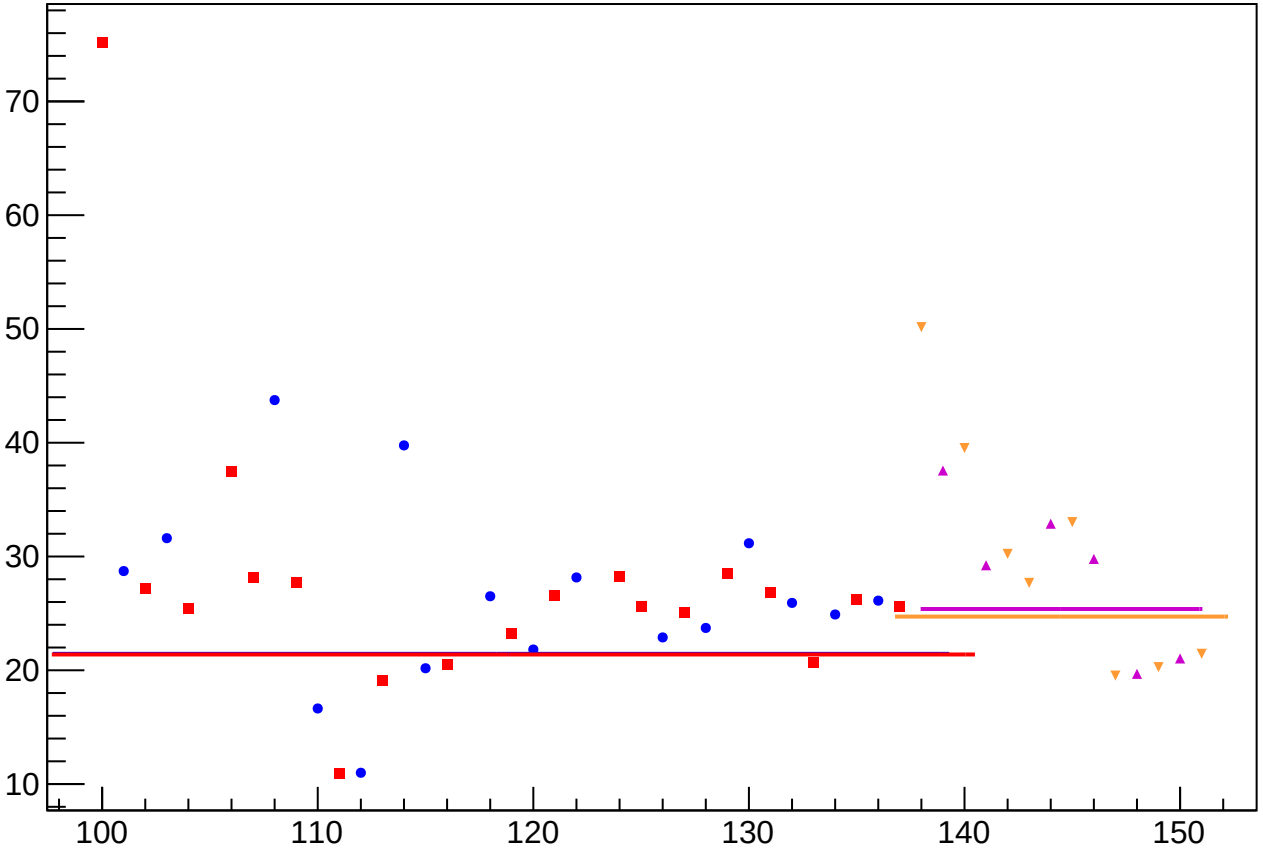
Left In: -0.015+/-0.012 χ^2/NDF:7.3/5

+ sign 0.009+/-0.007 χ^2/NDF: 30.1/23

All: 0.002+/-0.005 χ^2/NDF: 63.3/48

- sign -0.005+/-0.007 χ^2/NDF: 31.1/24

asym_sam8_dit_vs_cor_diff_rms vs Slug



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 24.719+/-0.007 χ^2/NDF:955810.6/7

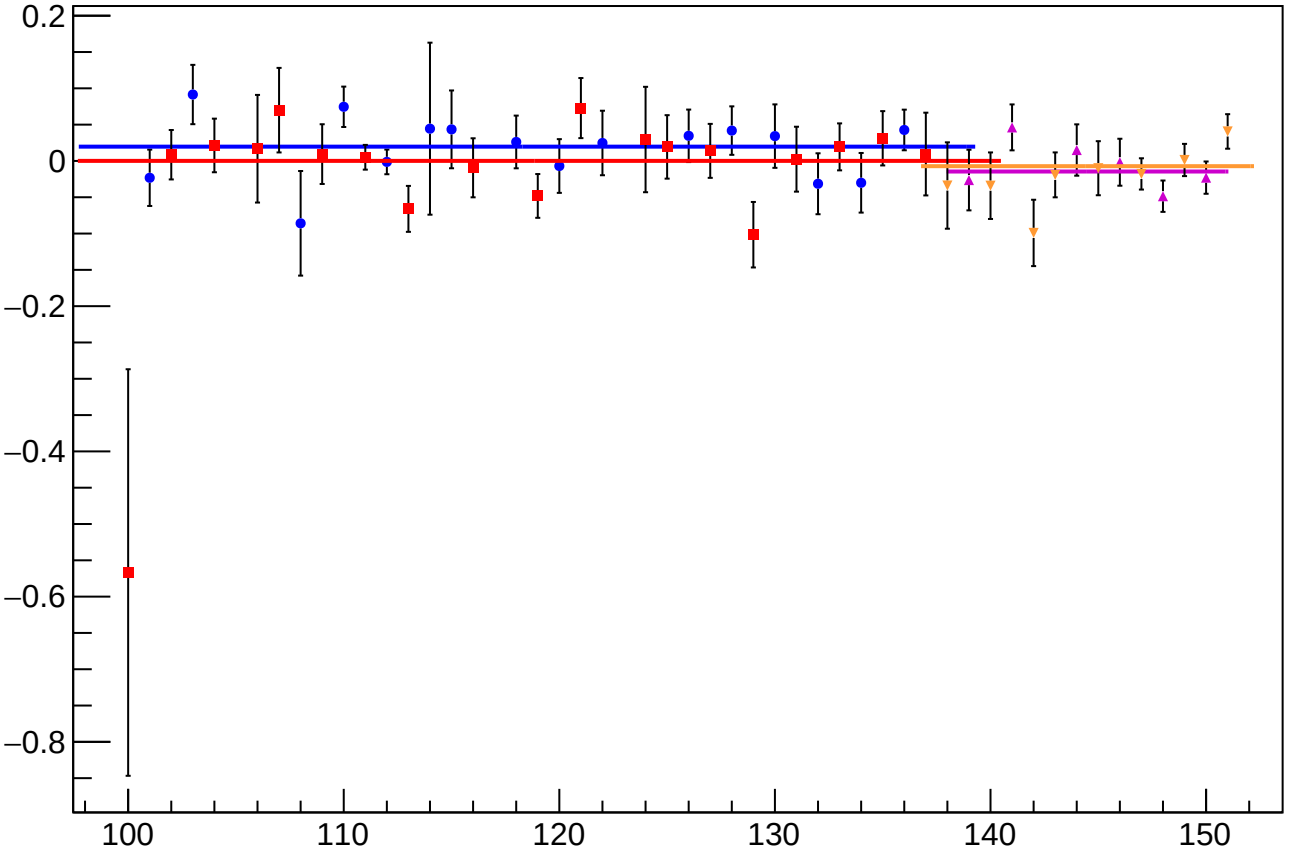
Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 25.387+/-0.008 χ^2/NDF:542324.1/5

+ sign 22.765+/-0.005 χ^2/NDF: 2611252.4/23

All: 22.780+/-0.003 χ^2/NDF: 4620893.9/48

- sign 22.796+/-0.005 χ^2/NDF: 2009620.4/24



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.007+/-0.011 χ^2/NDF:9.2/7

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

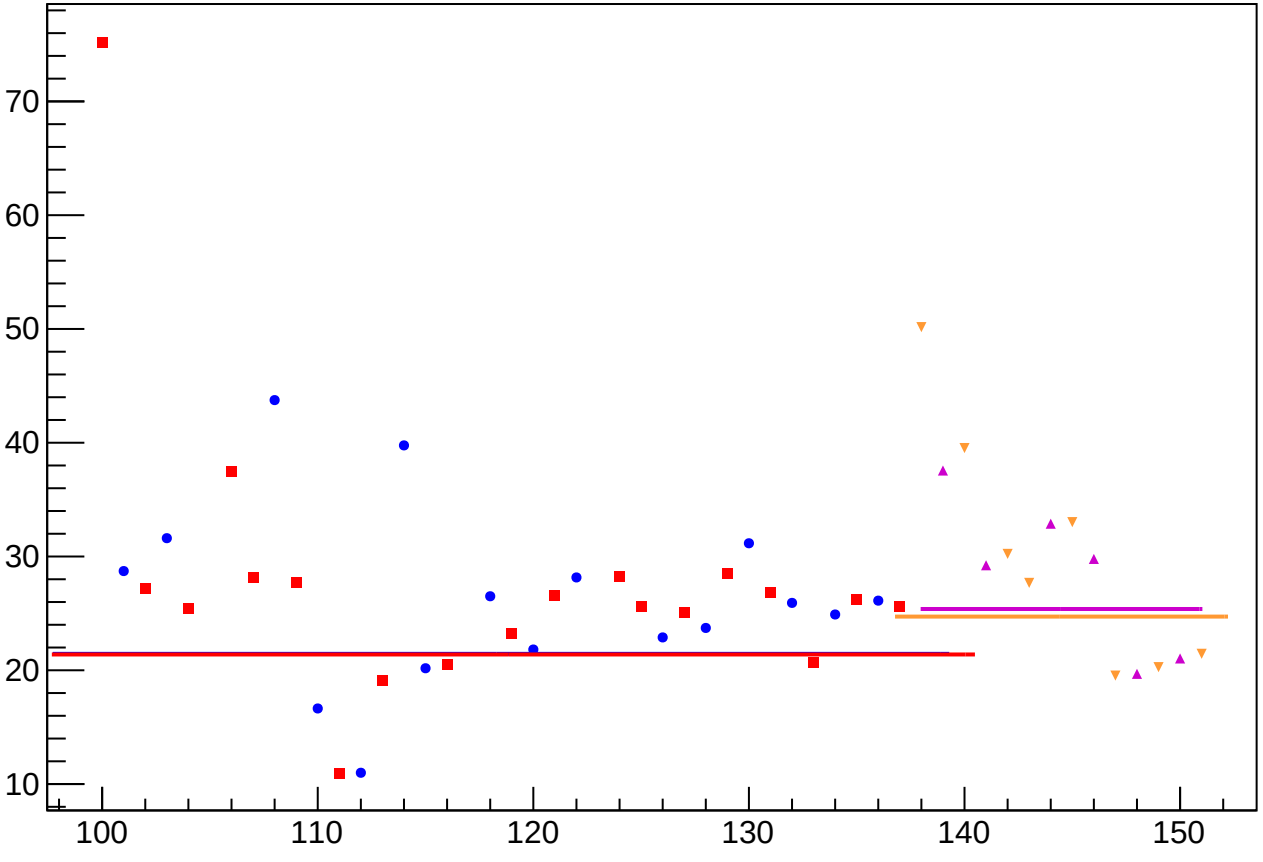
Left In: -0.015+/-0.012 χ^2/NDF:7.3/5

+ sign 0.009+/-0.007 χ^2/NDF: 30.1/23

All: 0.002+/-0.005 χ^2/NDF: 63.3/48

- sign -0.005+/-0.007 χ^2/NDF: 31.1/24

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 24.719+/-0.007 χ^2/NDF:955810.6/7

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

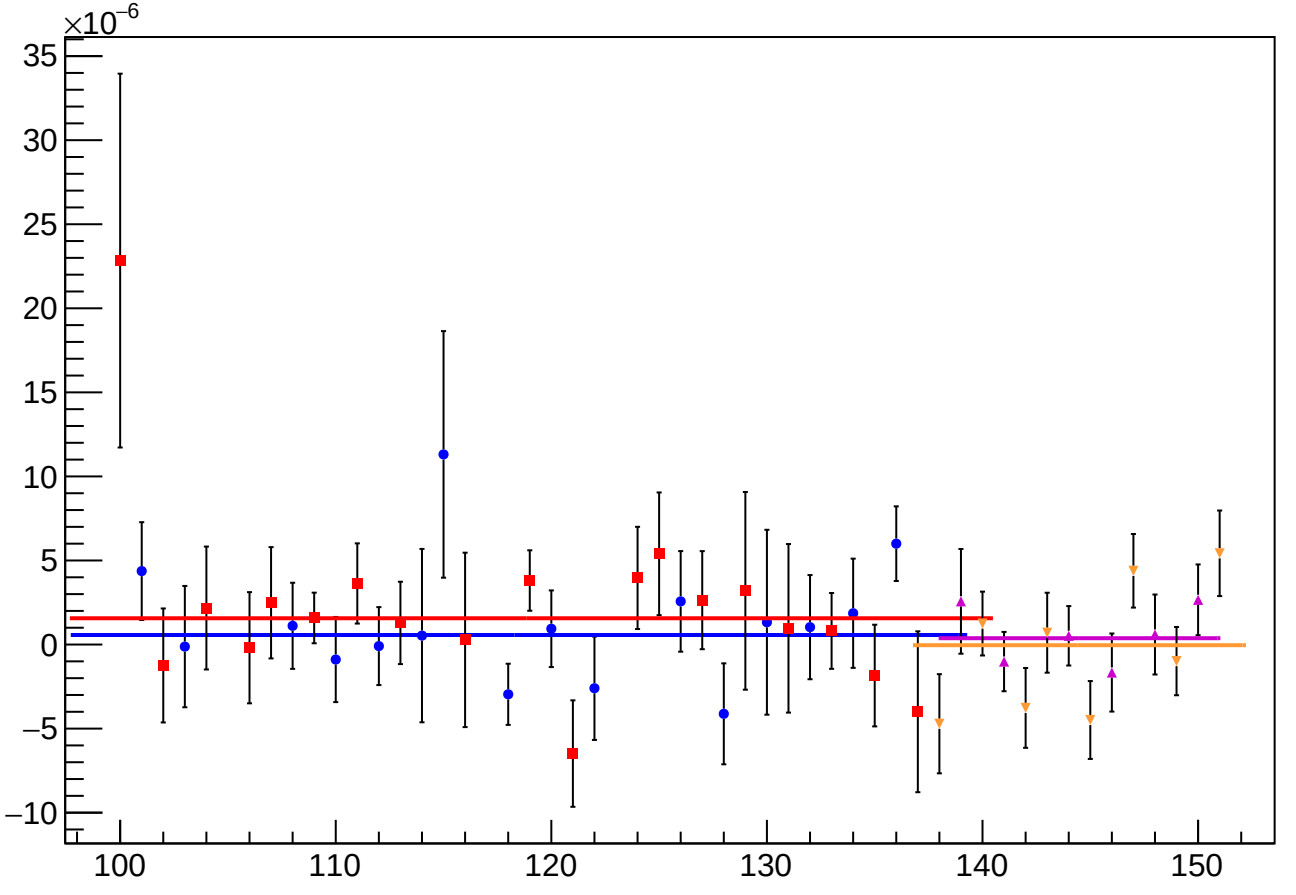
Left In: 25.387+/-0.008 χ^2/NDF:542324.1/5

+ sign 22.765+/-0.005 χ^2/NDF: 2611252.4/23

All: 22.780+/-0.003 χ^2/NDF: 4620893.9/48

- sign 22.796+/-0.005 χ^2/NDF: 2009620.4/24

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:18.1/7

Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/18

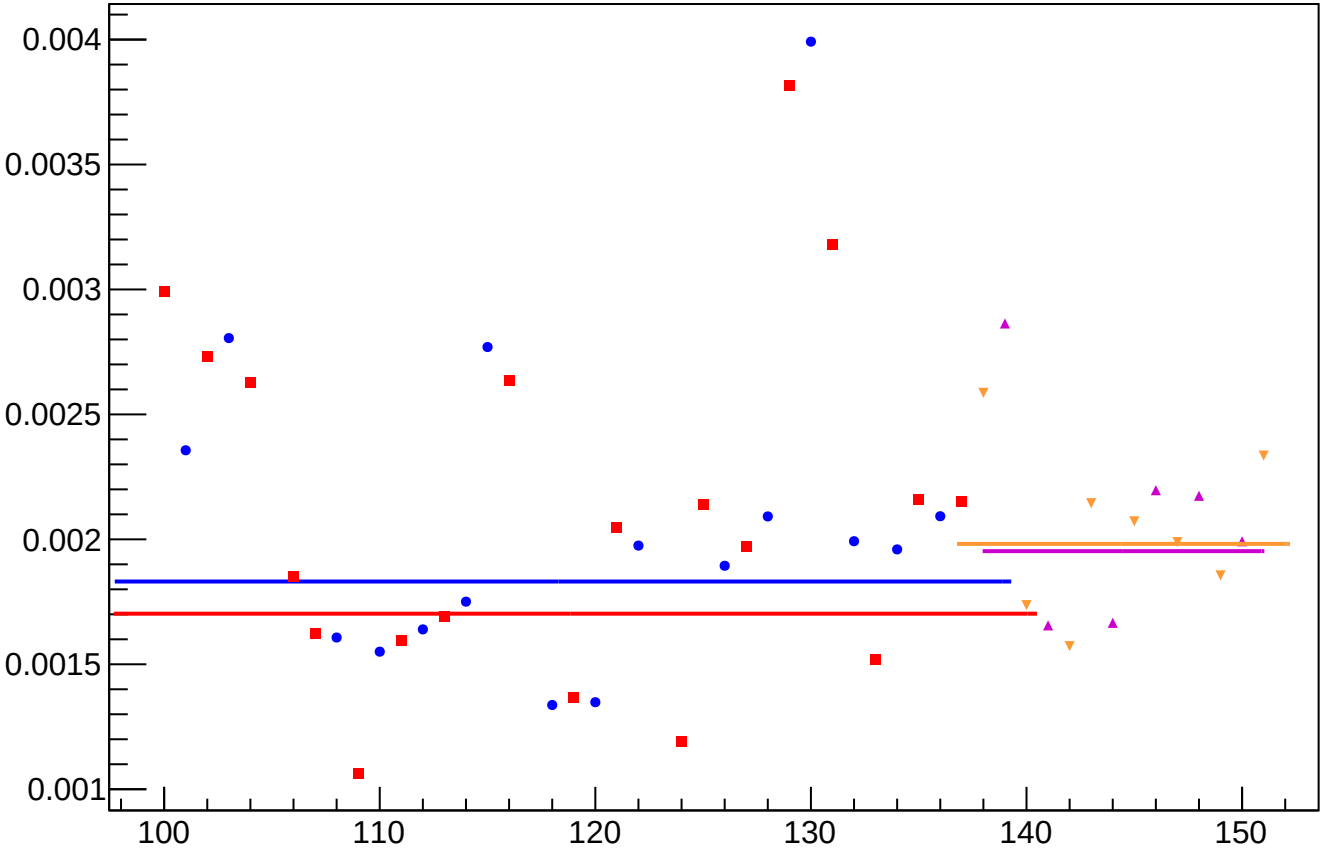
Left In: 0.000+/-0.000 χ^2/NDF:3.1/5

+ sign 0.000+/-0.000 χ^2/NDF: 36.7/23

All: 0.000+/-0.000 χ^2/NDF: 60.5/48

- sign 0.000+/-0.000 χ^2/NDF: 22.5/24

asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 900406.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:235462.0/7

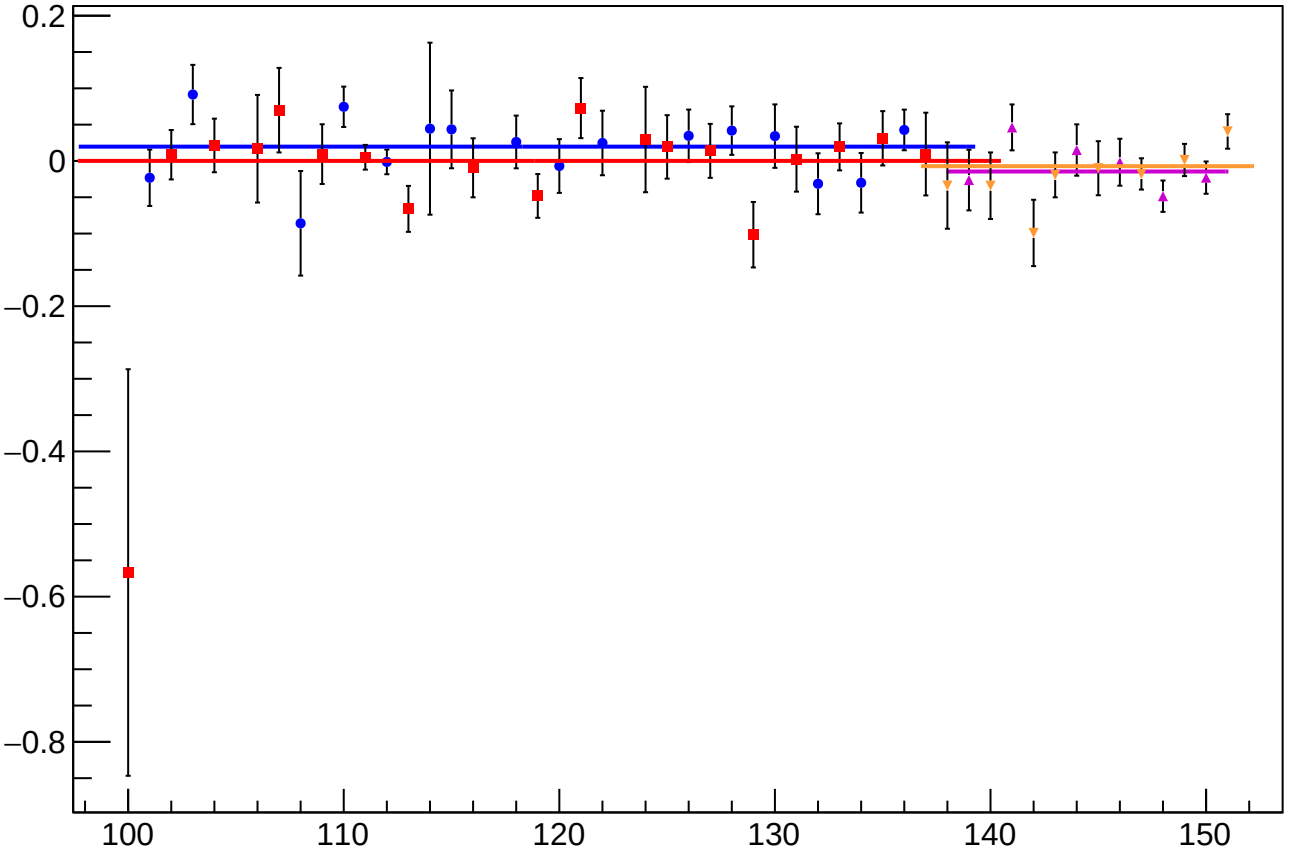
Right Out: 0.002+/-0.000 χ^2/NDF: 1478057.9/18

Left In: 0.002+/-0.000 χ^2/NDF:320672.1/5

+ sign 0.002+/-0.000 χ^2/NDF: 1175347.5/23

All: 0.002+/-0.000 χ^2/NDF: 3117406.4/48

- sign 0.002+/-0.000 χ^2/NDF: 1904421.4/24



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.007+/-0.011 χ^2/NDF:9.2/7

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

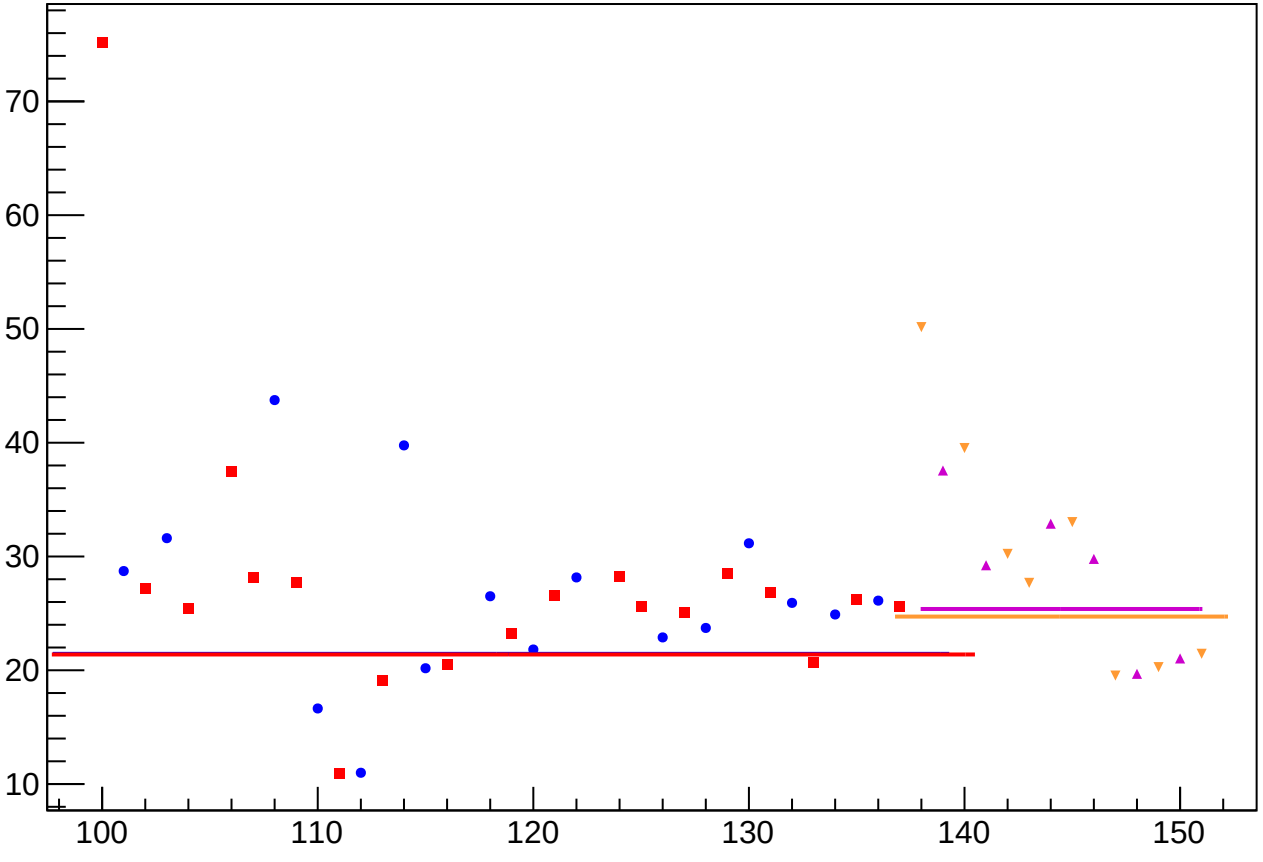
Left In: -0.015+/-0.012 χ^2/NDF:7.3/5

+ sign 0.009+/-0.007 χ^2/NDF: 30.1/23

All: 0.002+/-0.005 χ^2/NDF: 63.3/48

- sign -0.005+/-0.007 χ^2/NDF: 31.1/24

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.720+/-0.007 χ^2/NDF:955802.9/7

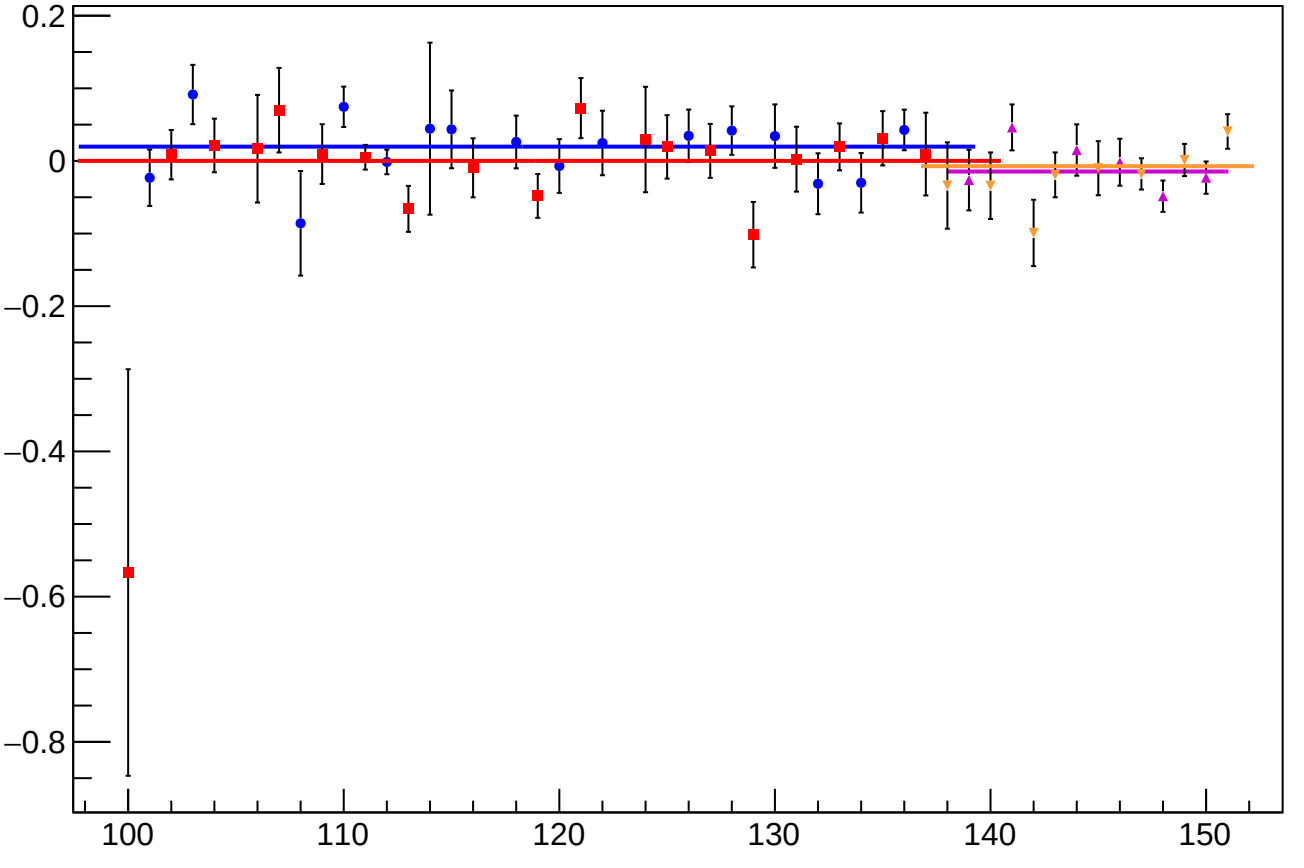
Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 25.387+/-0.008 χ^2/NDF:542318.3/5

+ sign 22.764+/-0.005 χ^2/NDF: 2611456.6/23

All: 22.779+/-0.003 χ^2/NDF: 4621283.7/48

- sign 22.795+/-0.005 χ^2/NDF: 2009806.0/24



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.007+/-0.011 χ^2/NDF:9.2/7

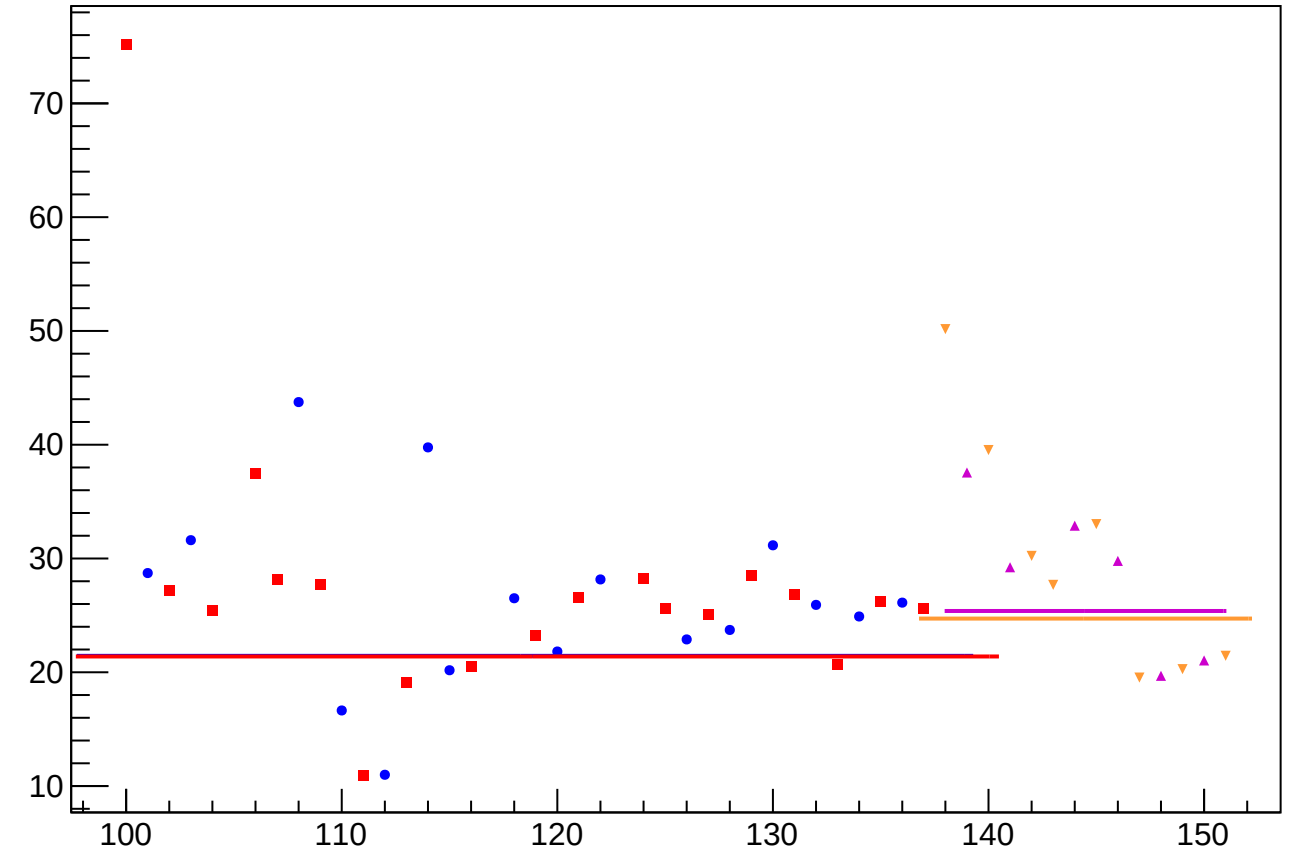
Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.015+/-0.012 χ^2/NDF:7.3/5

+ sign 0.009+/-0.007 χ^2/NDF: 30.1/23

All: 0.002+/-0.005 χ^2/NDF: 63.3/48

- sign -0.005+/-0.007 χ^2/NDF: 31.1/24



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.720+/-0.007 χ^2/NDF:955802.9/7

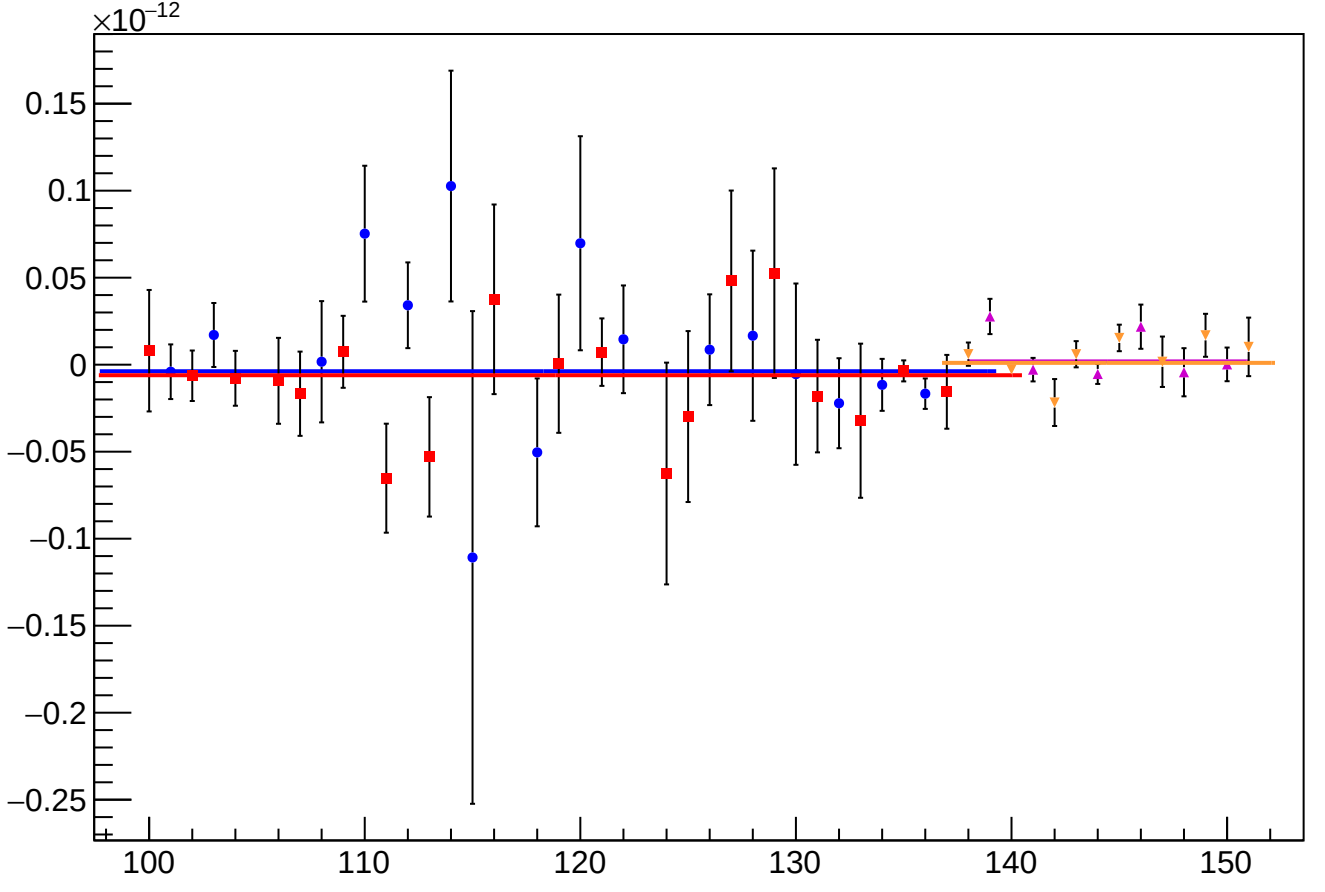
Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 25.387+/-0.008 χ^2/NDF:542318.3/5

+ sign 22.764+/-0.005 χ^2/NDF: 2611456.6/23

All: 22.779+/-0.003 χ^2/NDF: 4621283.7/48

- sign 22.795+/-0.005 χ^2/NDF: 2009806.0/24



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.1/7

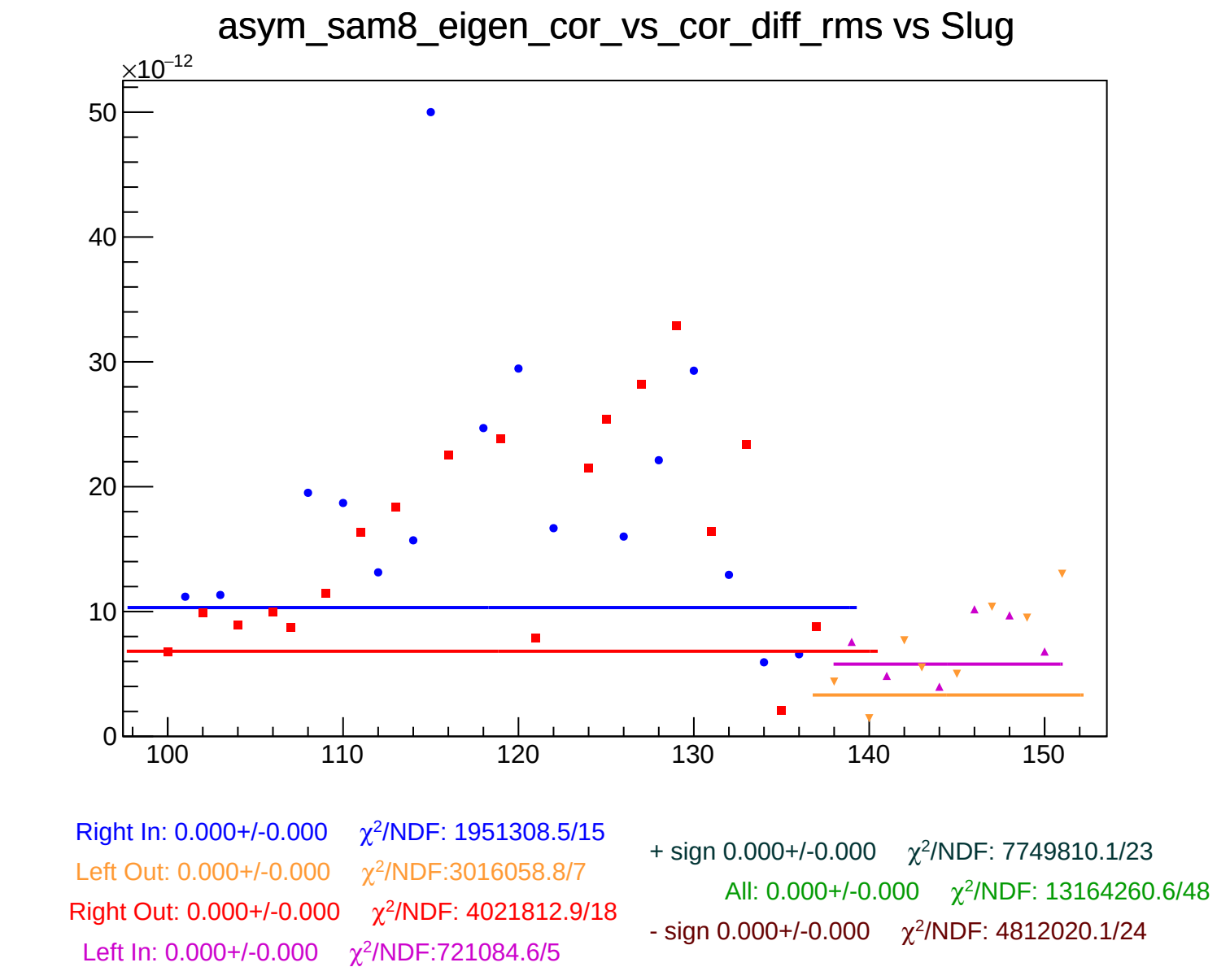
Right Out: -0.000+/-0.000 χ^2/NDF: 11.3/18

Left In: 0.000+/-0.000 χ^2/NDF:11.3/5

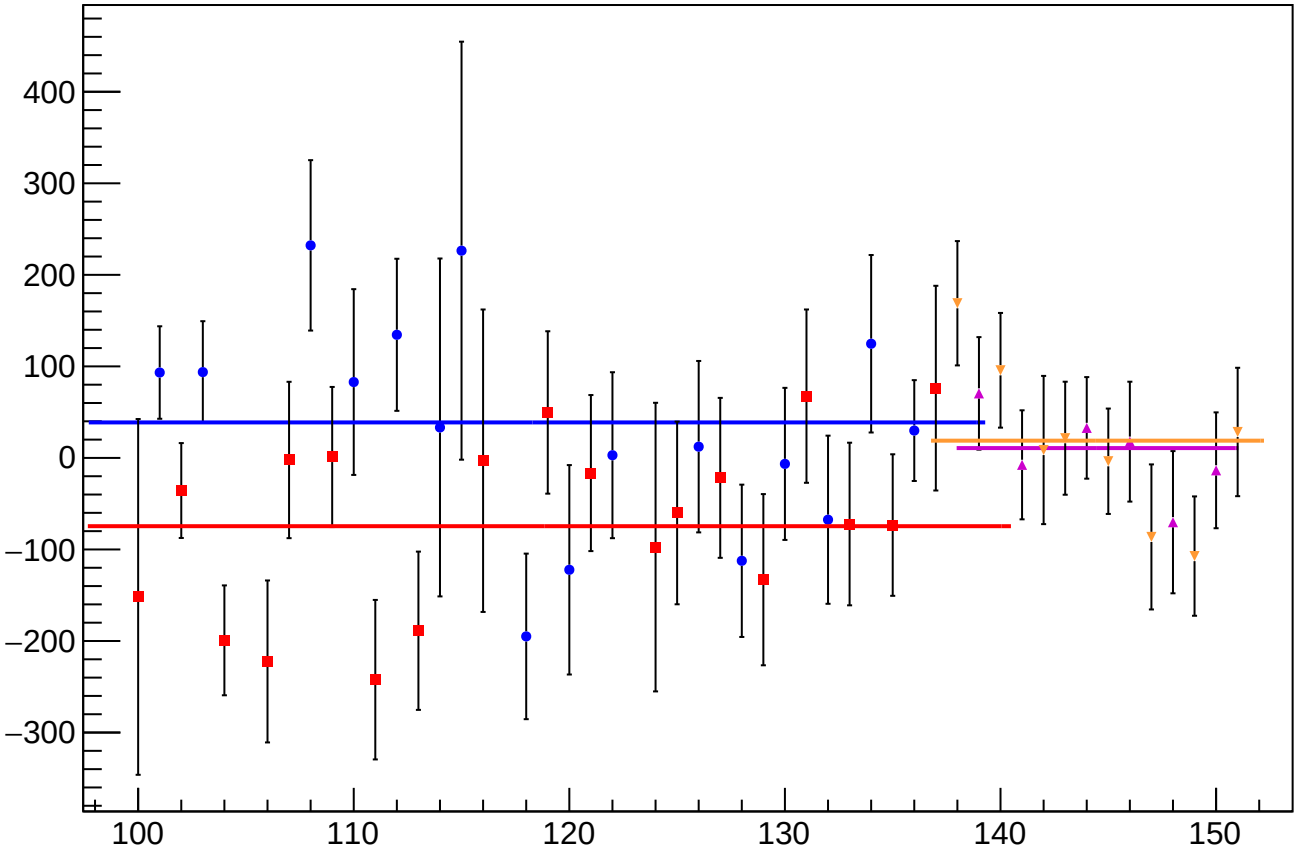
+ sign 0.000+/-0.000 χ^2/NDF: 28.9/23

All: -0.000+/-0.000 χ^2/NDF: 53.8/48

- sign -0.000+/-0.000 χ^2/NDF: 24.6/24


asym_sam8_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1951308.5/15
Left Out: 0.000+/-0.000 χ²/NDF:3016058.8/7
Right Out: 0.000+/-0.000 χ²/NDF: 4021812.9/18
Left In: 0.000+/-0.000 χ²/NDF:721084.6/5
+ sign 0.000+/-0.000 χ²/NDF: 7749810.1/23
All: 0.000+/-0.000 χ²/NDF: 13164260.6/48
- sign 0.000+/-0.000 χ²/NDF: 4812020.1/24

reg_asym_sam_15_avg_mean vs Slug



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 18.851+/-23.661 χ^2/NDF:12.1/7

Right Out: -74.578+/-19.802 χ^2/NDF: 22.5/18

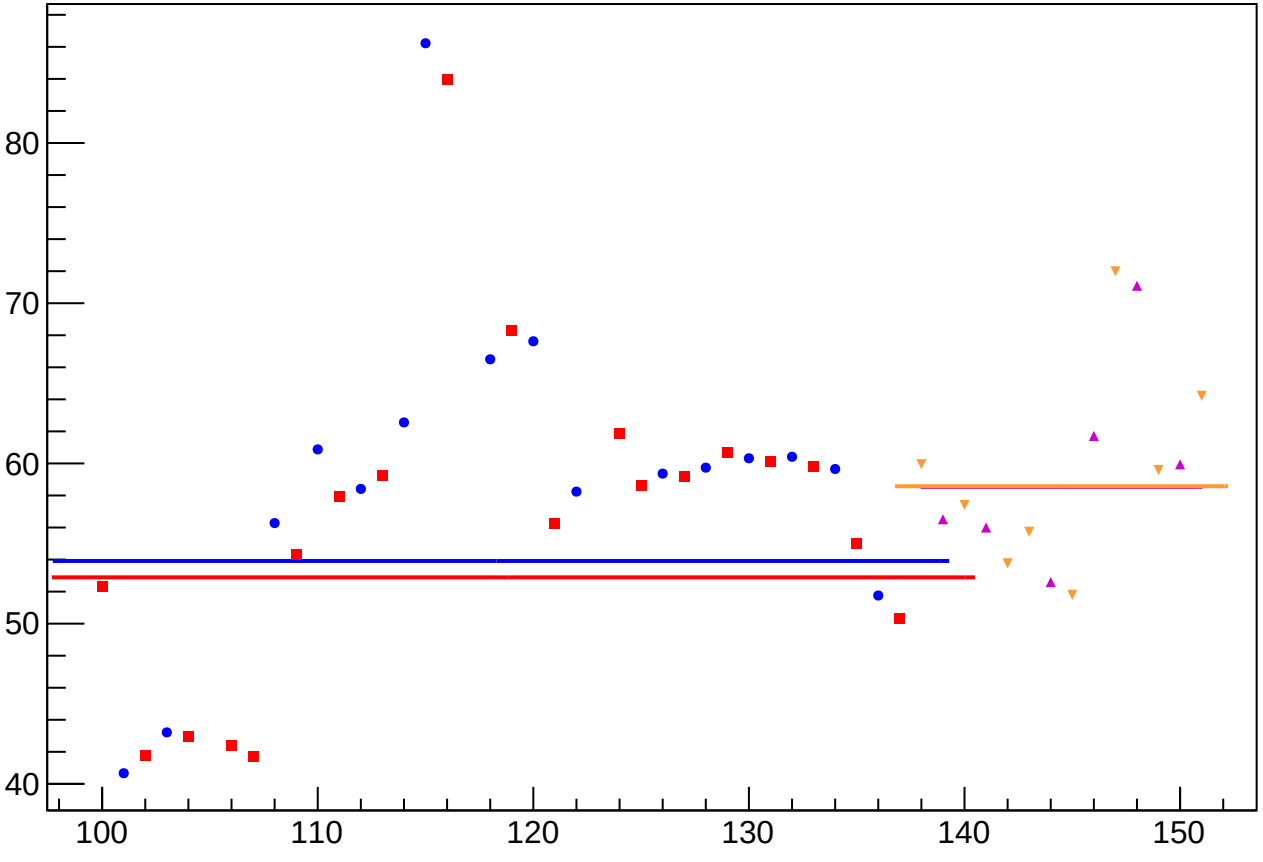
Left In: 10.743+/-25.648 χ^2/NDF:2.4/5

+ sign 30.277+/-15.456 χ^2/NDF: 35.8/23

All: -5.707+/-11.005 χ^2/NDF: 78.6/48

- sign -42.715+/-15.674 χ^2/NDF: 31.8/24

reg_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 58.576+/-0.017 χ^2/NDF:111309.9/7

Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

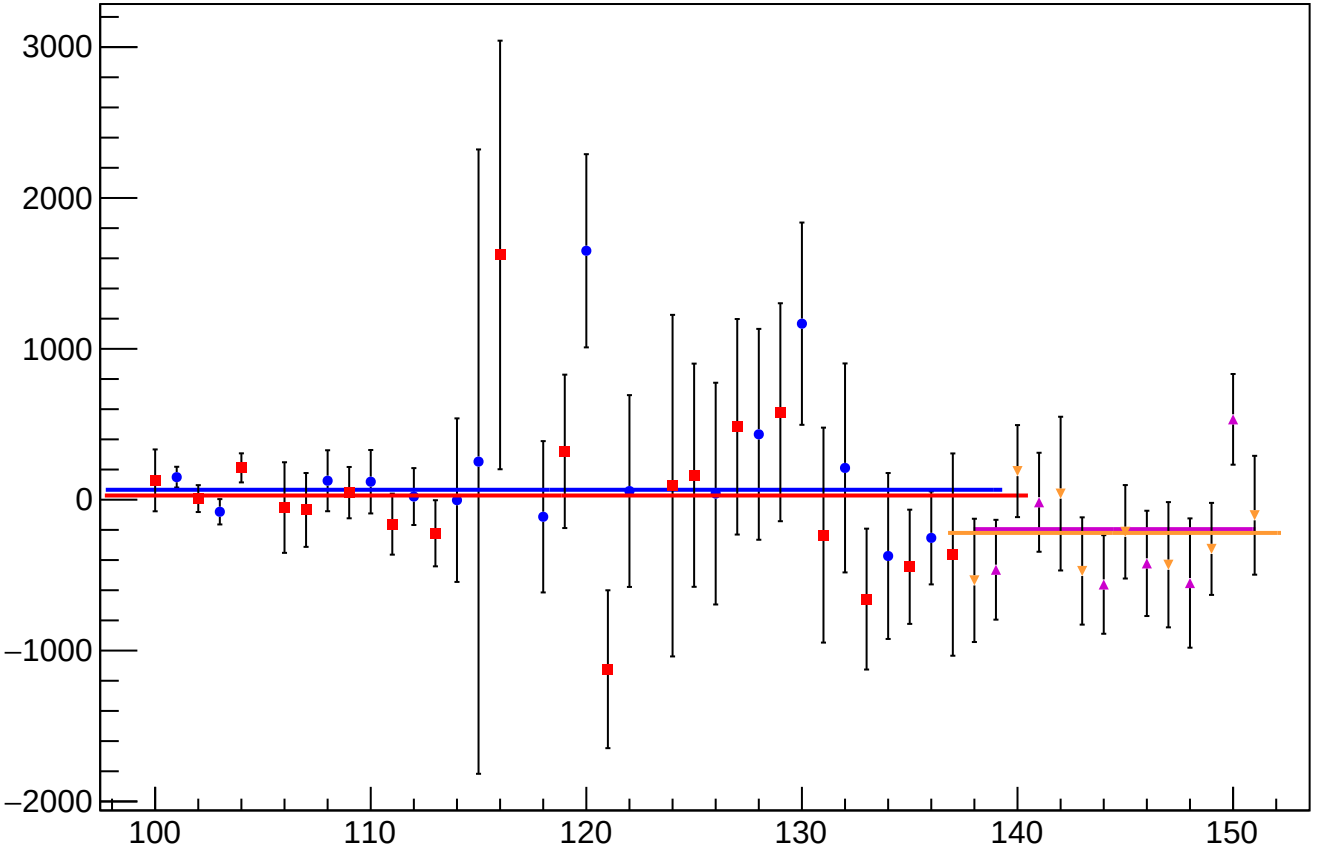
Left In: 58.532+/-0.018 χ^2/NDF:86677.6/5

+ sign 55.902+/-0.011 χ^2/NDF: 549109.2/23

All: 55.456+/-0.008 χ^2/NDF: 1125055.4/48

- sign 54.996+/-0.011 χ^2/NDF: 572559.9/24

asym_sam_15_avg_reg_correction_mean vs Slug



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -220.127+/-127.080 χ^2/NDF:3.6/7

Right Out: 27.850+/-50.291 χ^2/NDF: 18.0/18

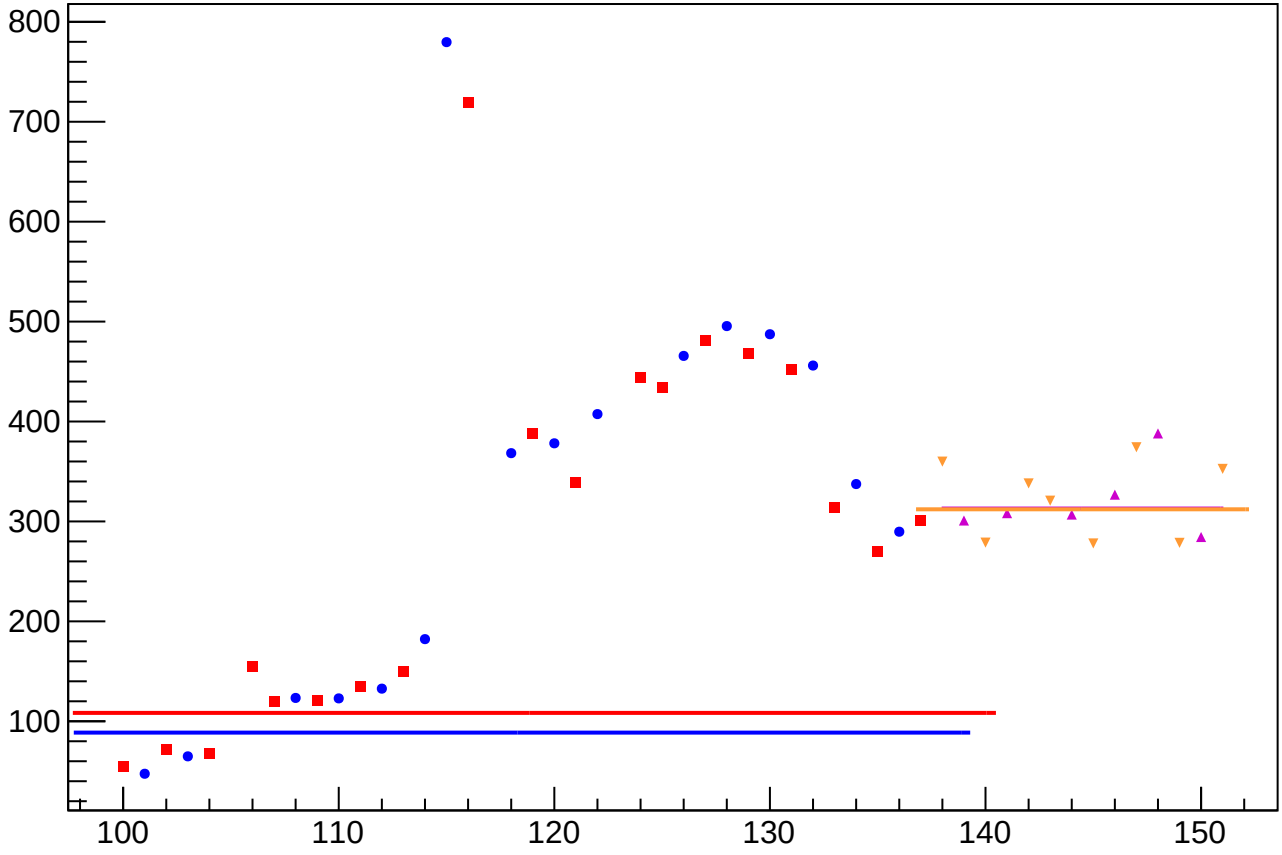
Left In: -194.975+/-137.985 χ^2/NDF:9.2/5

+ sign 32.112+/-43.651 χ^2/NDF: 23.8/23

All: 18.118+/-32.063 χ^2/NDF: 53.5/48

- sign 1.721+/-47.251 χ^2/NDF: 29.5/24

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 88.658+/-0.033 χ^2/NDF: 6648055.6/15

Left Out: 312.136+/-0.090 χ^2/NDF:171915.3/7

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

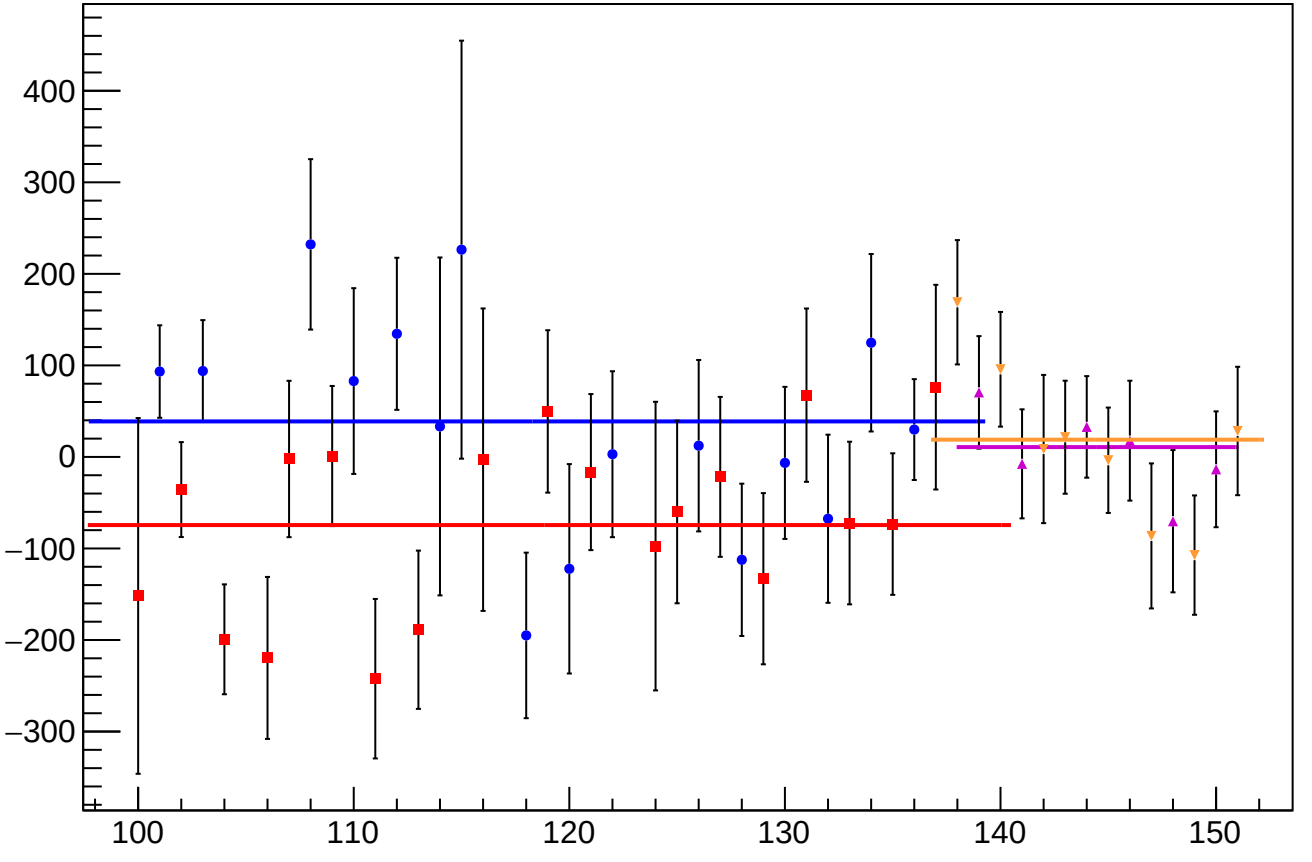
Left In: 312.894+/-0.098 χ^2/NDF:86364.6/5

+ sign 115.025+/-0.031 χ^2/NDF: 12275325.7/23

All: 123.010+/-0.023 χ^2/NDF: 21748006.0/48

- sign 132.366+/-0.033 χ^2/NDF: 9327333.6/24

cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 18.854+/-23.661 χ^2/NDF:12.1/7

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

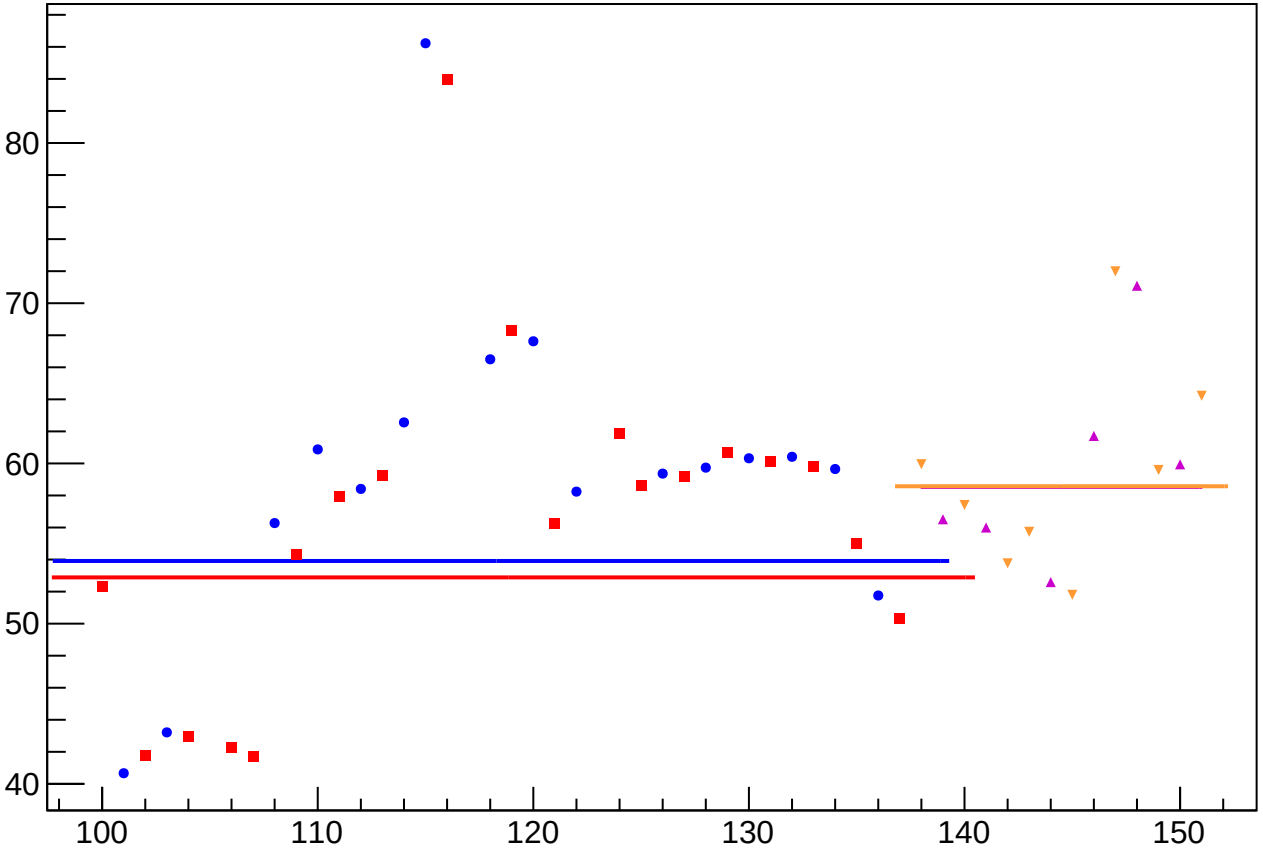
Left In: 10.743+/-25.648 χ^2/NDF:2.4/5

+ sign 30.285+/-15.456 χ^2/NDF: 35.8/23

All: -5.659+/-11.006 χ^2/NDF: 78.5/48

- sign -42.627+/-15.675 χ^2/NDF: 31.7/24

cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 58.576+/-0.017 χ^2/NDF:111309.9/7

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

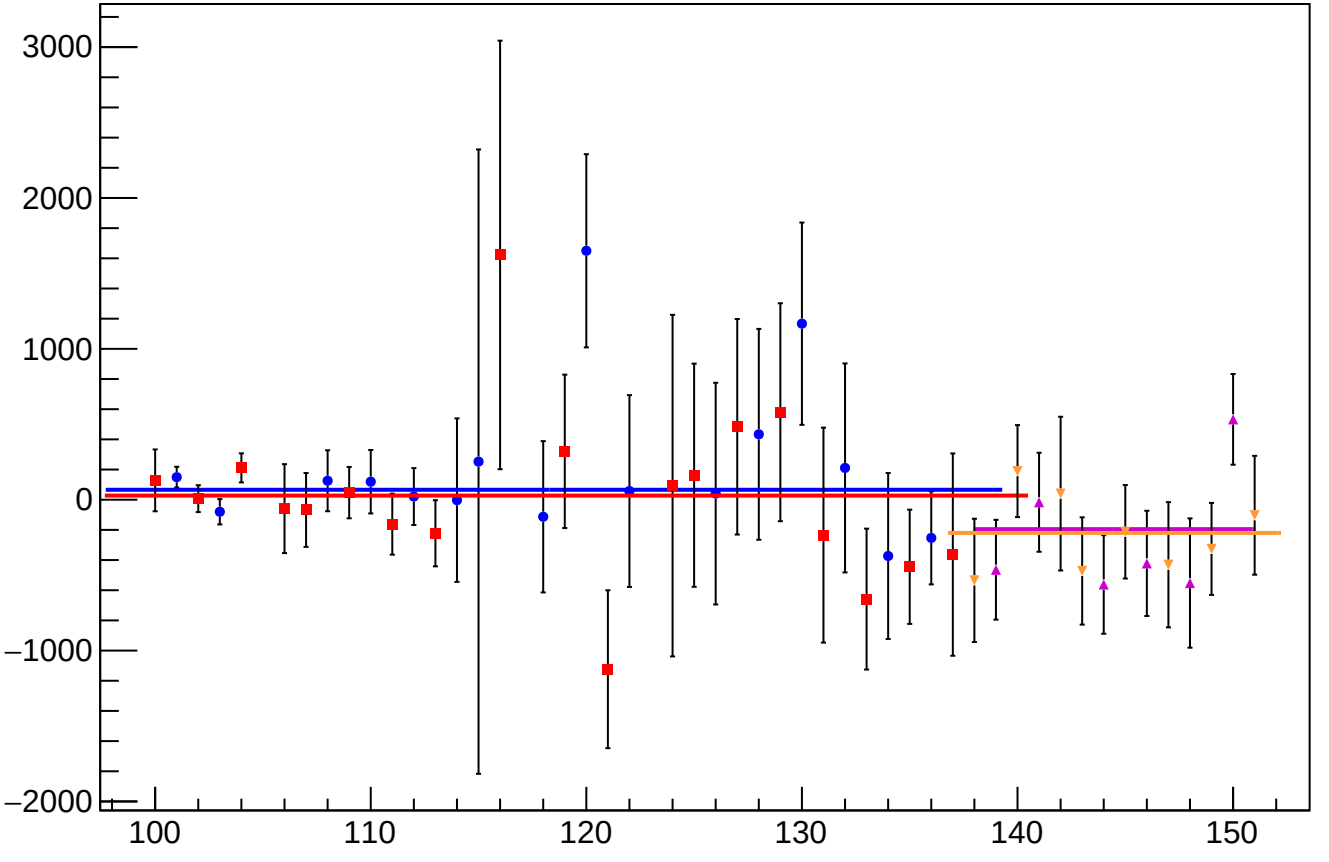
Left In: 58.532+/-0.018 χ^2/NDF:86677.6/5

+ sign 55.902+/-0.011 χ^2/NDF: 549108.4/23

All: 55.455+/-0.008 χ^2/NDF: 1125416.2/48

- sign 54.995+/-0.011 χ^2/NDF: 572912.5/24

asym_sam_15_avg_cor_correction_mean vs Slug



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -220.127+/-127.080 χ^2/NDF:3.6/7

Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

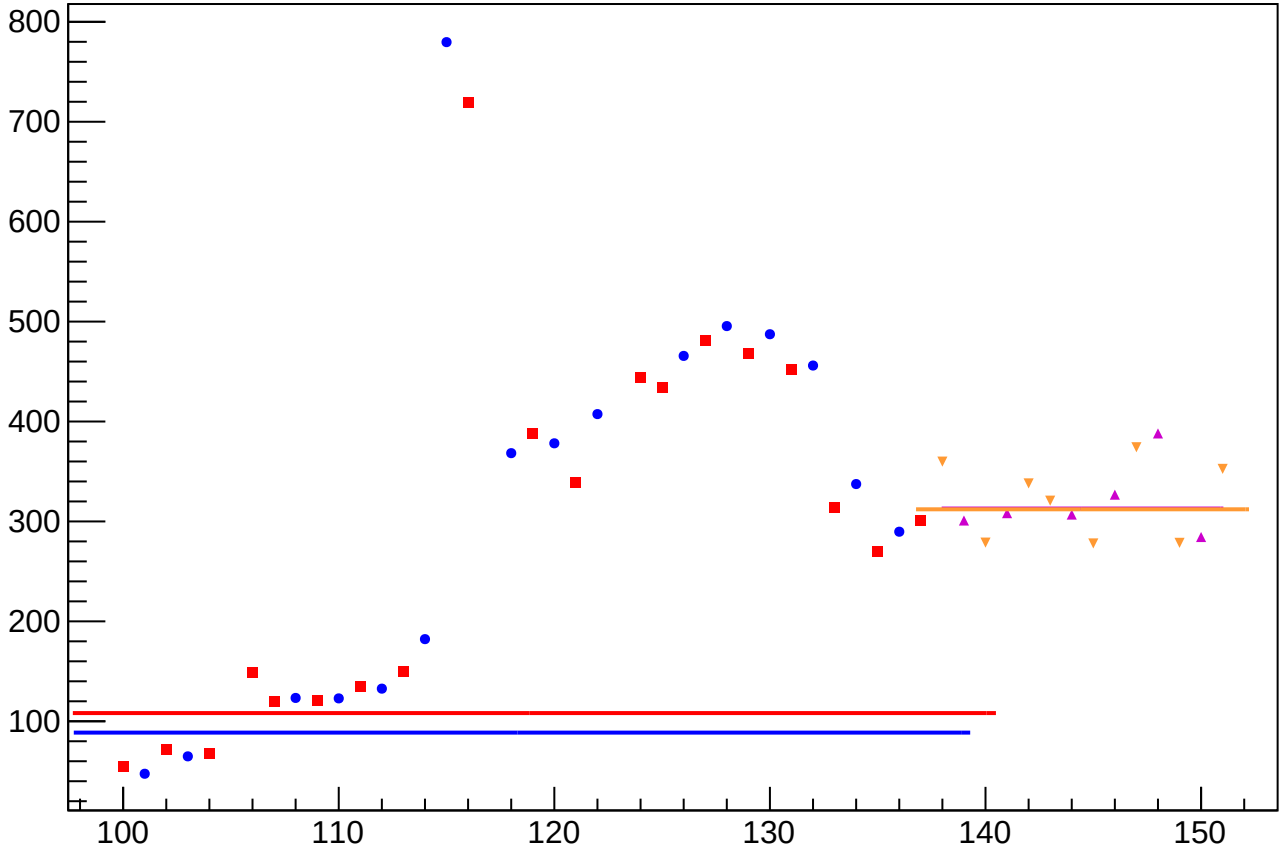
Left In: -194.972+/-137.985 χ^2/NDF:9.2/5

+ sign 32.116+/-43.650 χ^2/NDF: 23.8/23

All: 17.947+/-32.052 χ^2/NDF: 53.5/48

- sign 1.368+/-47.215 χ^2/NDF: 29.5/24

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 312.136+/-0.090 χ^2/NDF:171914.8/7

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

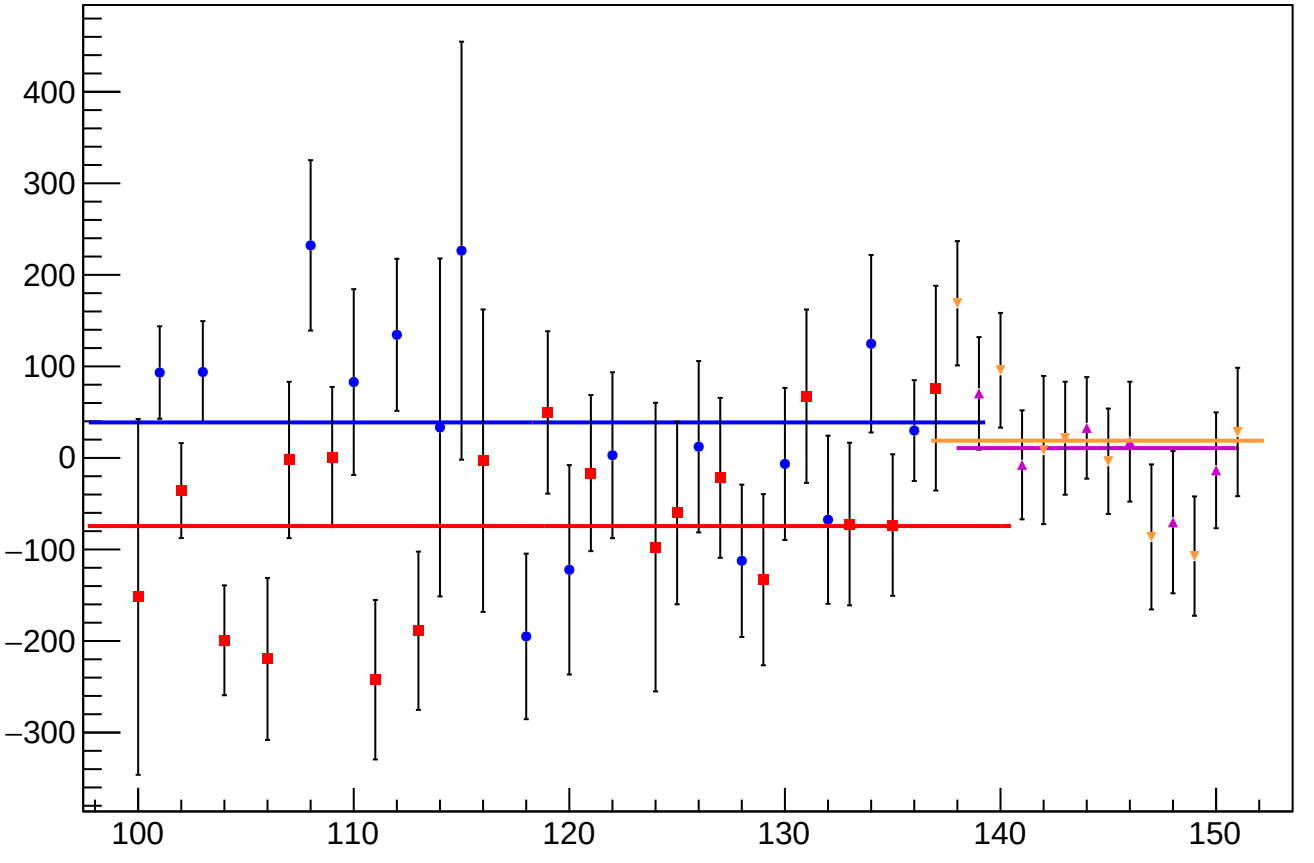
Left In: 312.894+/-0.098 χ^2/NDF:86366.2/5

+ sign 115.022+/-0.031 χ^2/NDF: 12275556.8/23

All: 122.925+/-0.023 χ^2/NDF: 21744751.1/48

- sign 132.172+/-0.033 χ^2/NDF: 9326904.1/24

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 18.854+/-23.661 χ^2/NDF:12.1/7

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

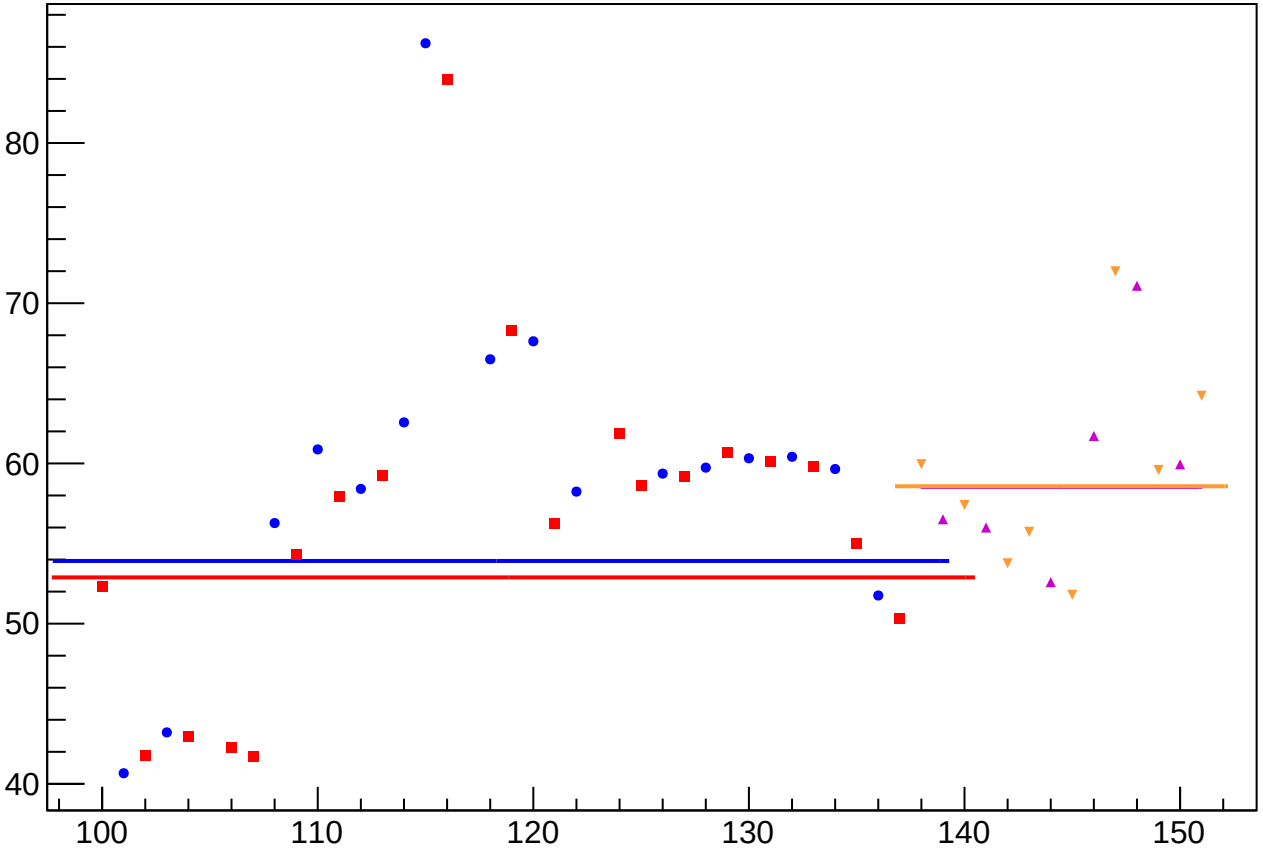
Left In: 10.743+/-25.648 χ^2/NDF:2.4/5

\+ sign 30.285+/-15.456 χ^2/NDF: 35.8/23

All: -5.659+/-11.006 χ^2/NDF: 78.5/48

\- sign -42.627+/-15.675 χ^2/NDF: 31.7/24

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 58.576+/-0.017 χ^2/NDF:111309.9/7

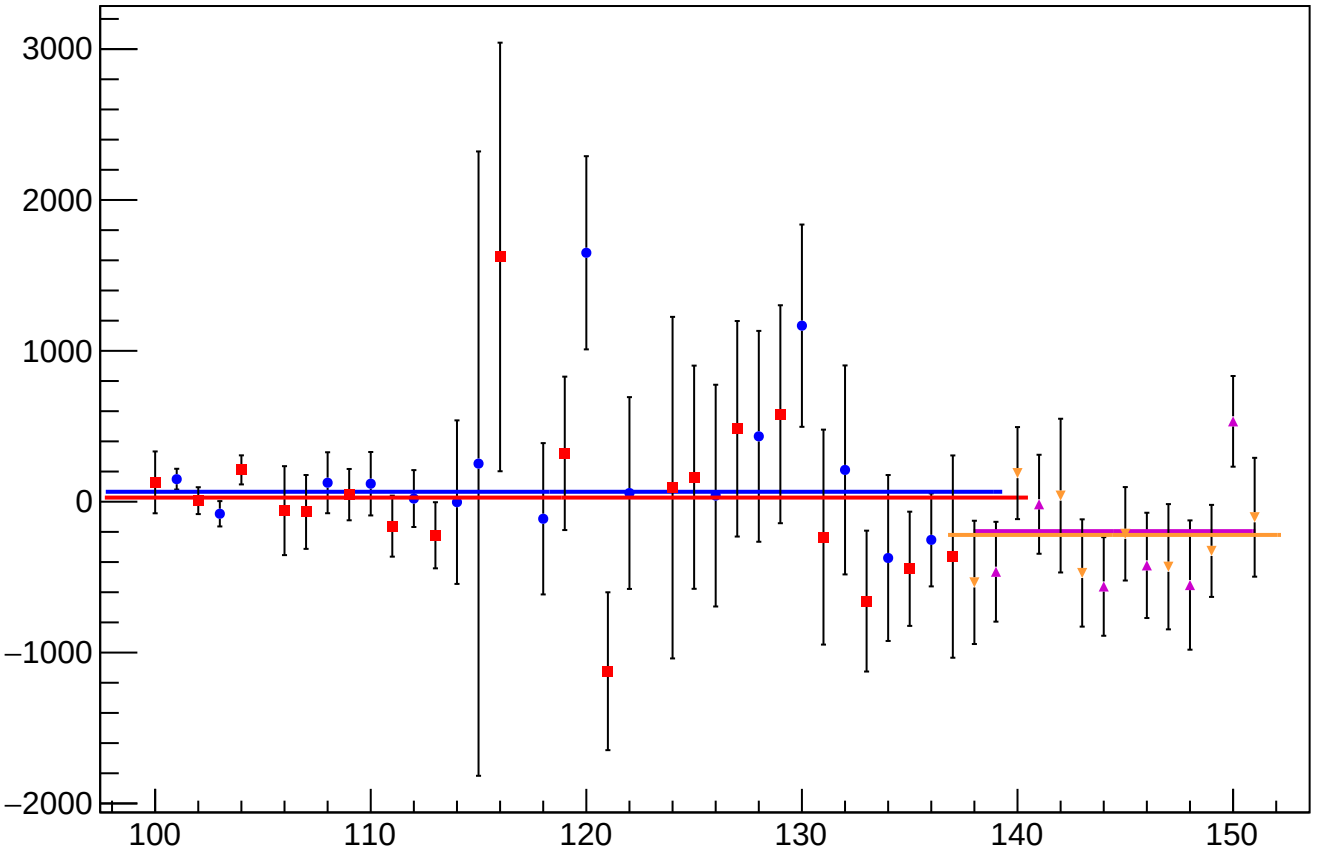
Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 58.532+/-0.018 χ^2/NDF:86677.6/5

+ sign 55.902+/-0.011 χ^2/NDF: 549108.4/23

All: 55.455+/-0.008 χ^2/NDF: 1125416.2/48

- sign 54.995+/-0.011 χ^2/NDF: 572912.5/24



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -220.127+/-127.080 χ^2/NDF:3.6/7

Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

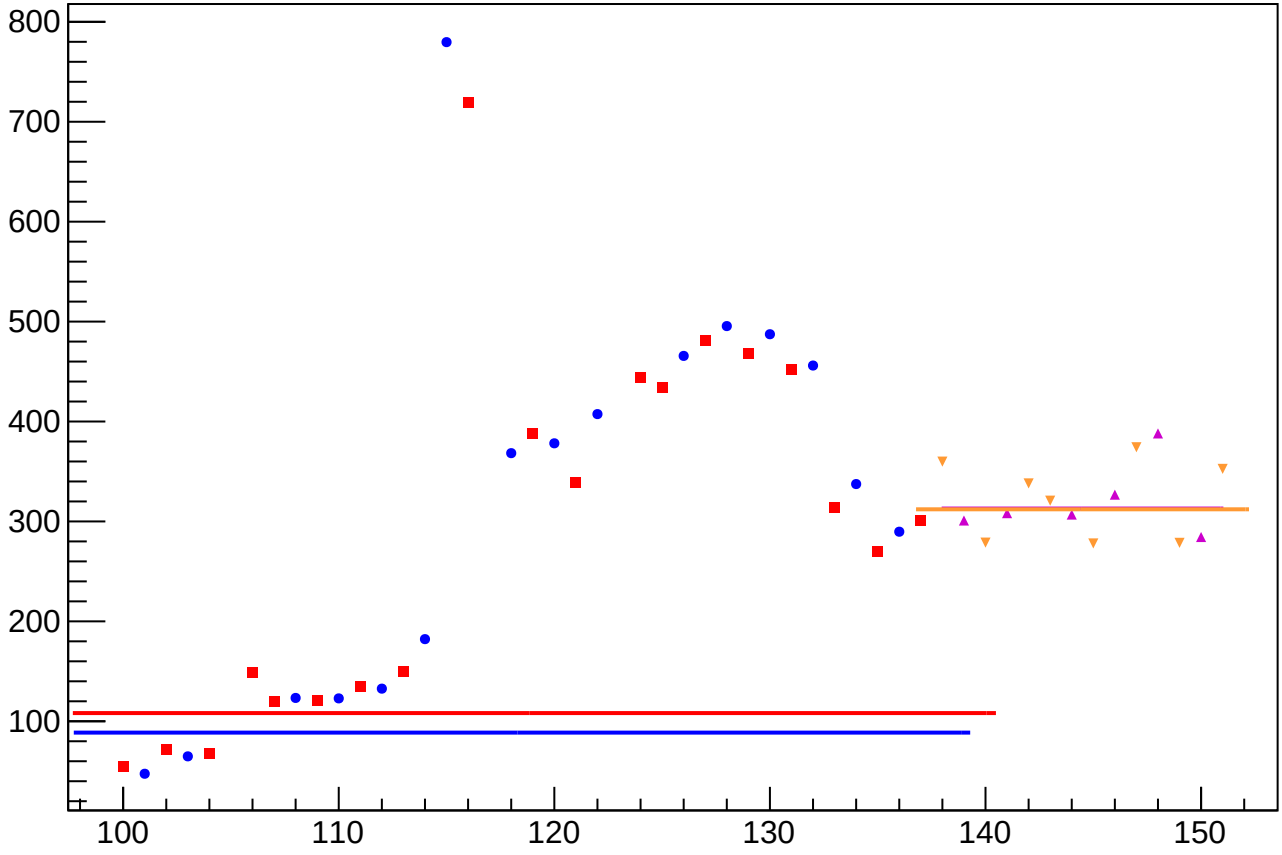
Left In: -194.972+/-137.985 χ^2/NDF:9.2/5

+ sign 32.116+/-43.650 χ^2/NDF: 23.8/23

All: 17.947+/-32.052 χ^2/NDF: 53.5/48

- sign 1.368+/-47.215 χ^2/NDF: 29.5/24

asym_sam_15_avg_eigen_cor_correction_rms vs Slug



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 312.136+/-0.090 χ^2/NDF:171914.8/7

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

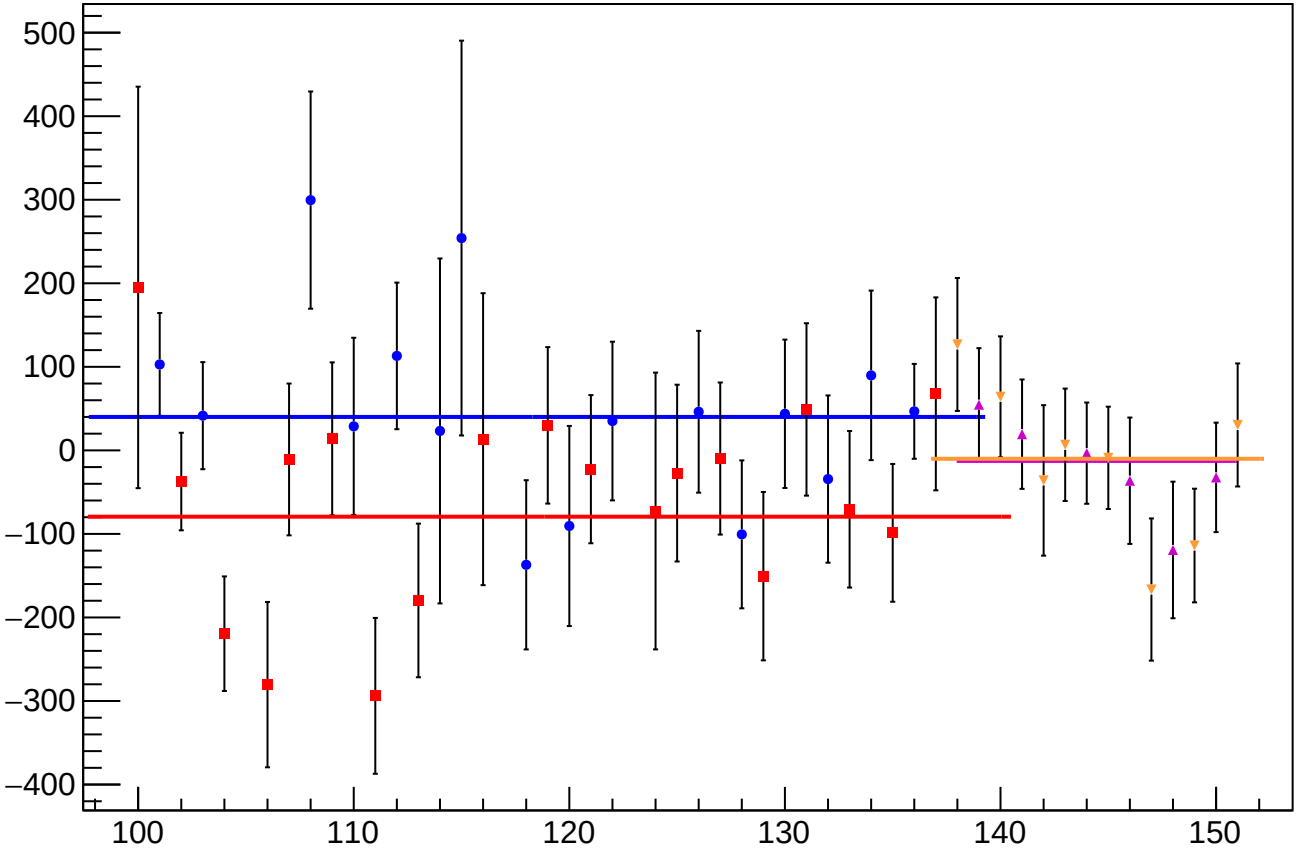
Left In: 312.894+/-0.098 χ^2/NDF:86366.2/5

+ sign 115.022+/-0.031 χ^2/NDF: 12275556.8/23

All: 122.925+/-0.023 χ^2/NDF: 21744751.1/48

- sign 132.172+/-0.033 χ^2/NDF: 9326904.1/24

dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: -10.064+/-25.835 χ^2/NDF:10.2/7

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

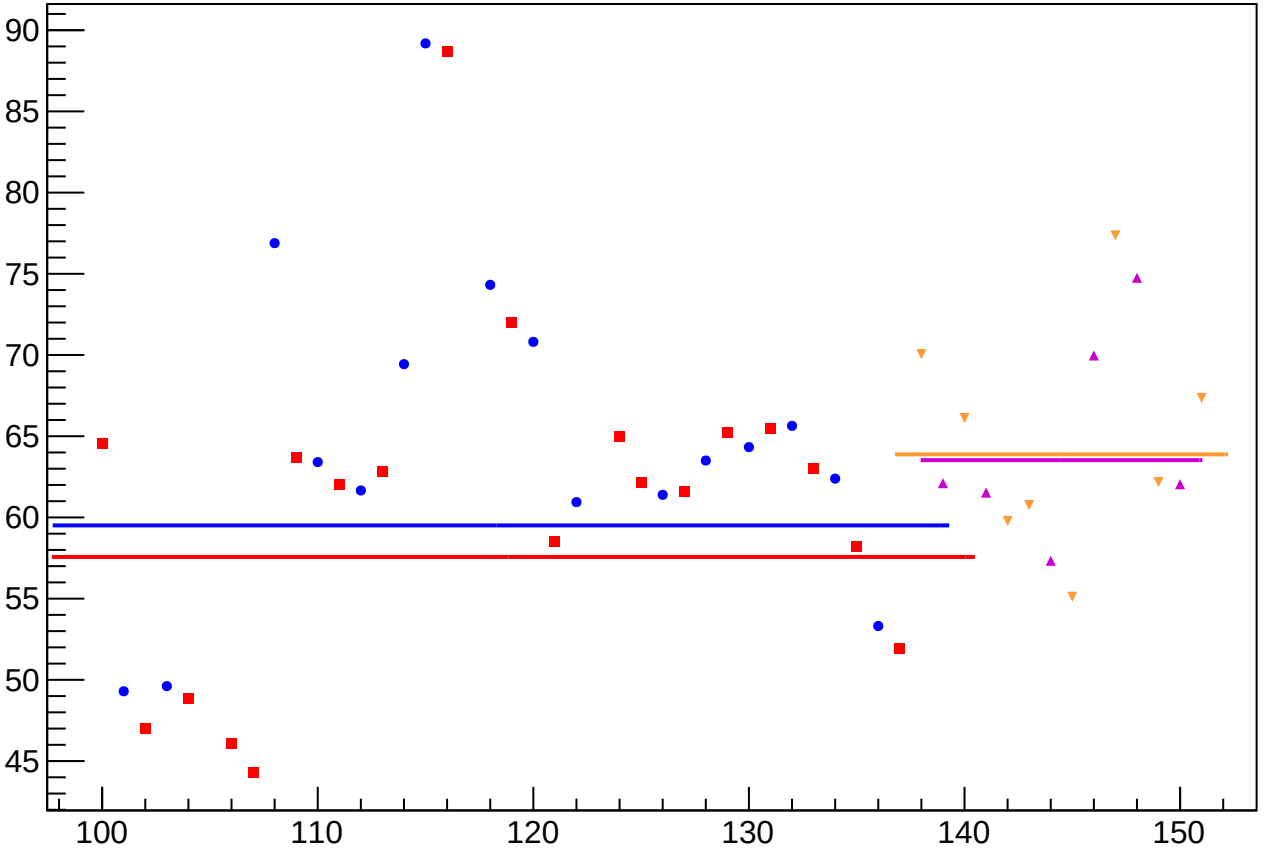
Left In: -12.603+/-27.929 χ^2/NDF:3.1/5

+ sign 18.407+/-16.974 χ^2/NDF: 26.4/23

All: -17.789+/-12.038 χ^2/NDF: 67.1/48

- sign -54.419+/-17.075 χ^2/NDF: 31.5/24

dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 63.885+/-0.018 χ^2/NDF:119264.5/7

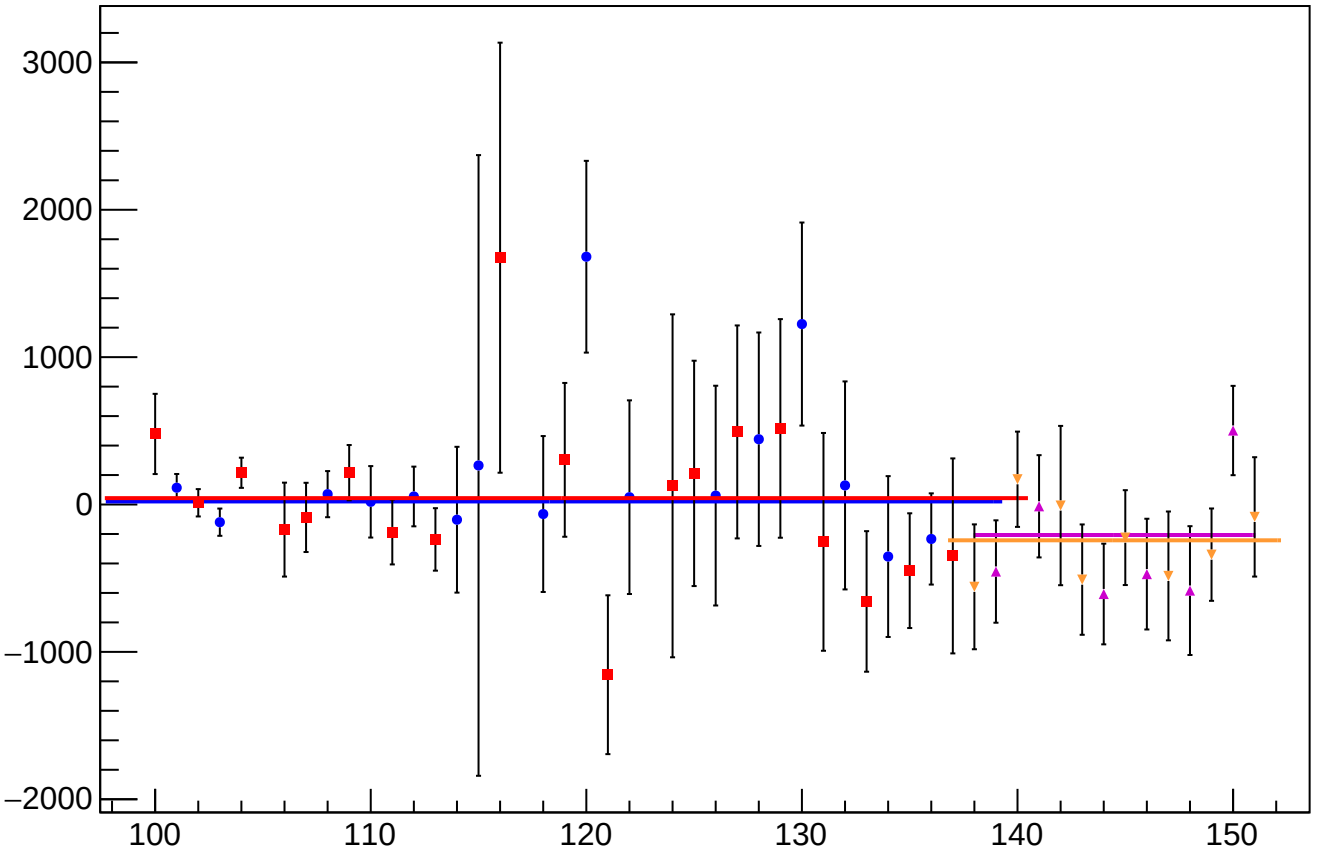
Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

Left In: 63.527+/-0.020 χ^2/NDF:76941.9/5

+ sign 61.398+/-0.012 χ^2/NDF: 435080.3/23

All: 60.601+/-0.009 χ^2/NDF: 925306.1/48

- sign 59.794+/-0.012 χ^2/NDF: 481355.2/24



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -242.867+/-132.610 χ^2/NDF:3.5/7

Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

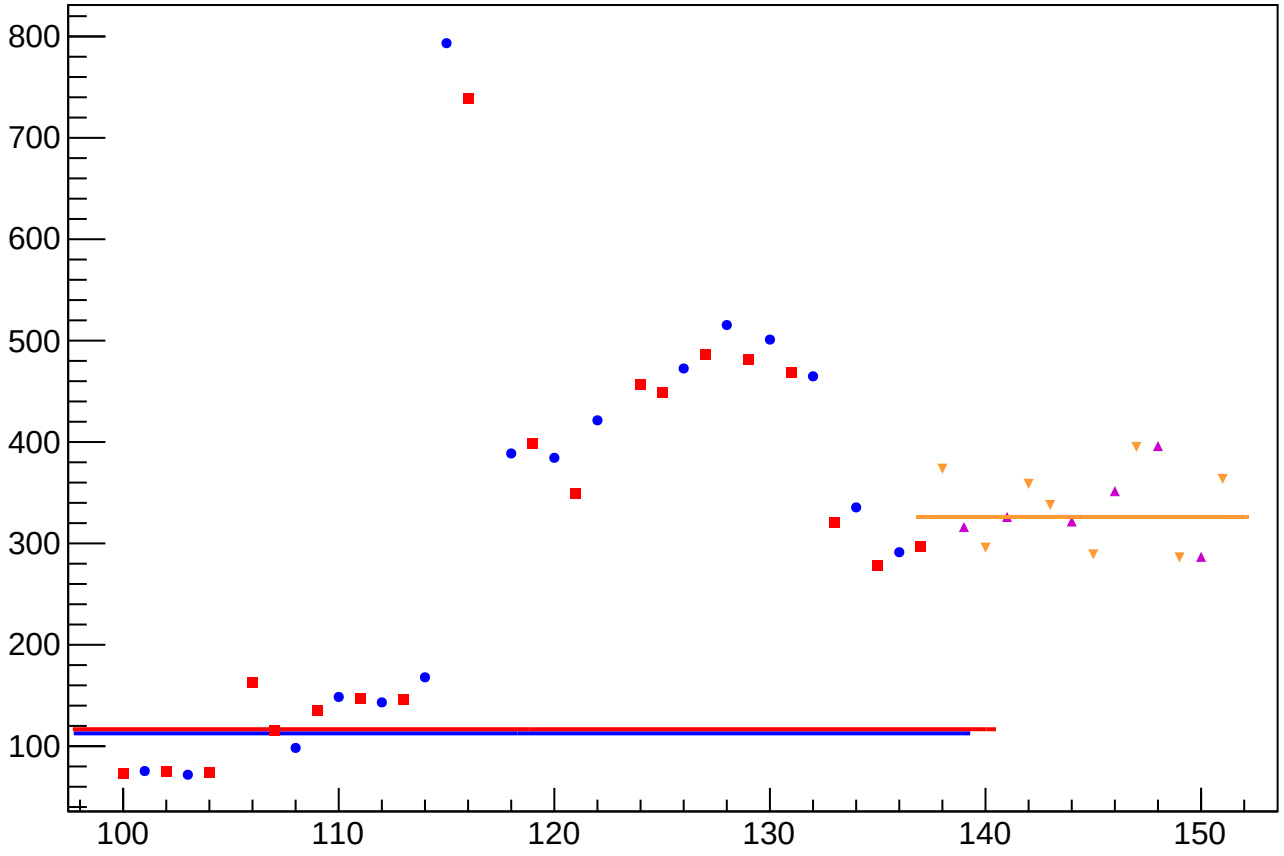
Left In: -206.871+/-143.792 χ^2/NDF:8.9/5

+ sign -16.174+/-49.682 χ^2/NDF: 21.5/23

All: -1.585+/-35.209 χ^2/NDF: 54.7/48

- sign 13.135+/-49.903 χ^2/NDF: 33.1/24

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 326.067+/-0.094 χ^2/NDF:177894.7/7

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

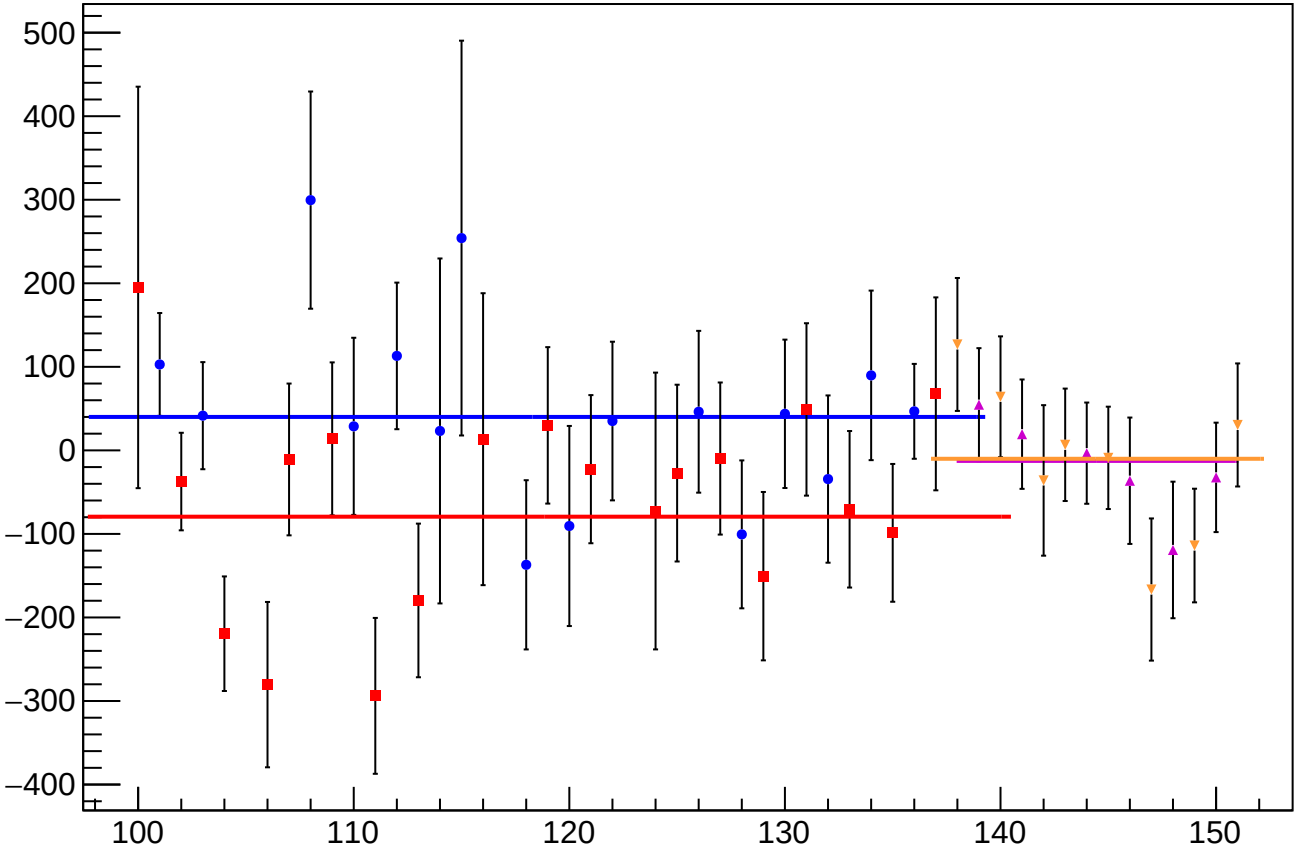
Left In: 326.077+/-0.102 χ^2/NDF:96007.9/5

+ sign 142.621+/-0.035 χ^2/NDF: 10229750.3/23

All: 142.286+/-0.025 χ^2/NDF: 19195944.5/48

- sign 141.947+/-0.035 χ^2/NDF: 8966010.8/24

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: -10.064+/-25.835 χ^2/NDF:10.2/7

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

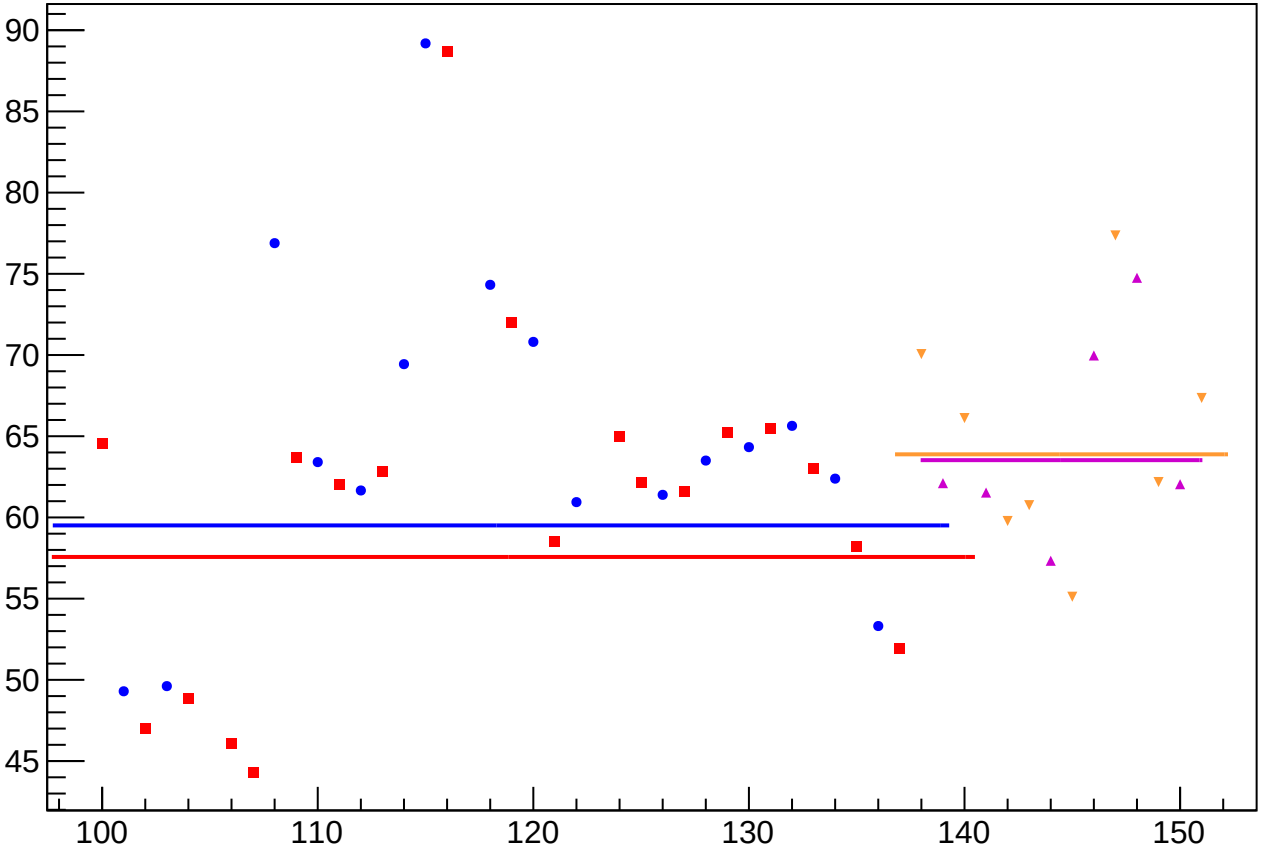
Left In: -12.603+/-27.929 χ^2/NDF:3.1/5

+ sign 18.407+/-16.974 χ^2/NDF: 26.4/23

All: -17.790+/-12.038 χ^2/NDF: 67.1/48

- sign -54.420+/-17.075 χ^2/NDF: 31.5/24

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 63.886+/-0.018 χ^2/NDF:119268.0/7

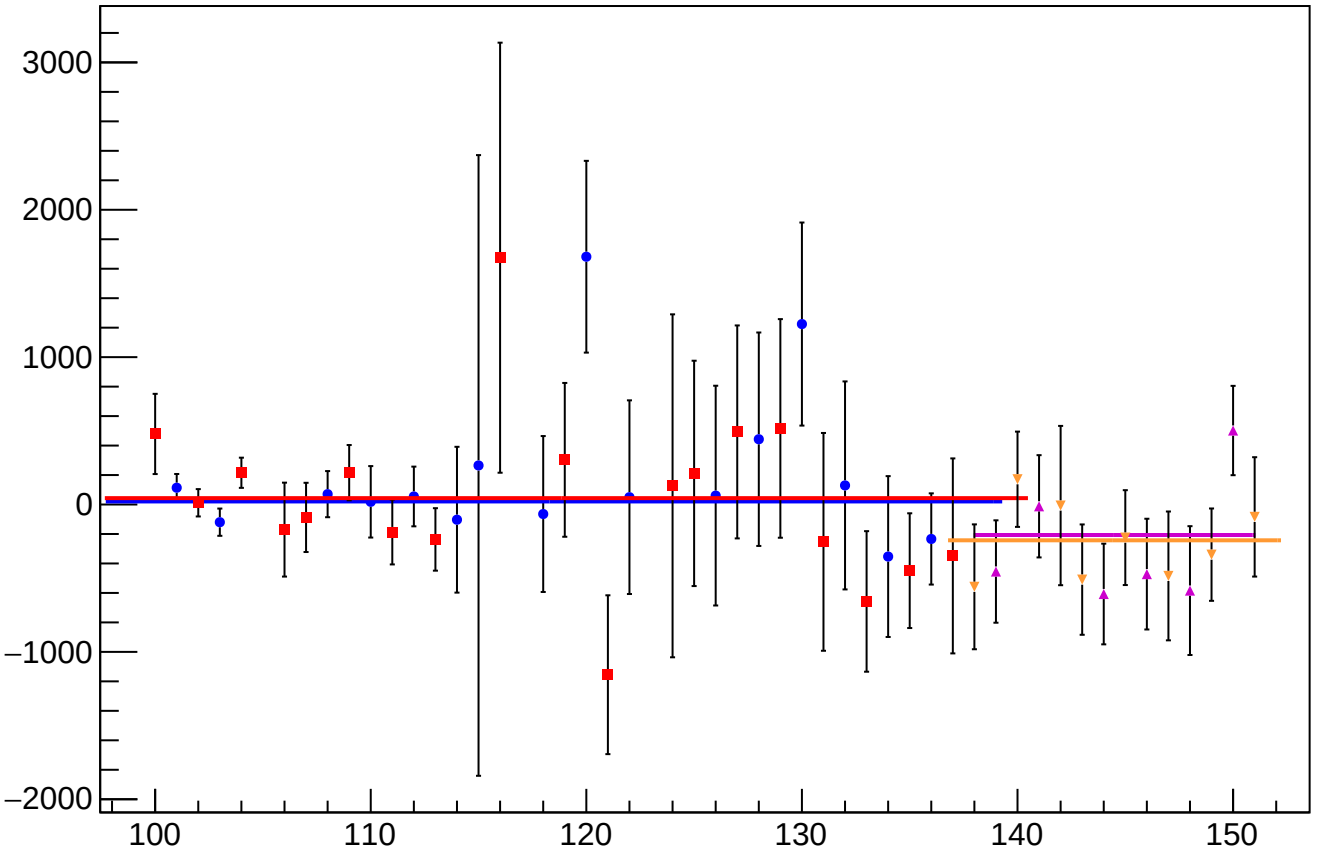
Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 63.527+/-0.020 χ^2/NDF:76942.2/5

+ sign 61.398+/-0.012 χ^2/NDF: 435085.4/23

All: 60.601+/-0.009 χ^2/NDF: 925313.9/48

- sign 59.795+/-0.012 χ^2/NDF: 481358.1/24



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -242.867+/-132.611 χ^2/NDF:3.5/7

Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

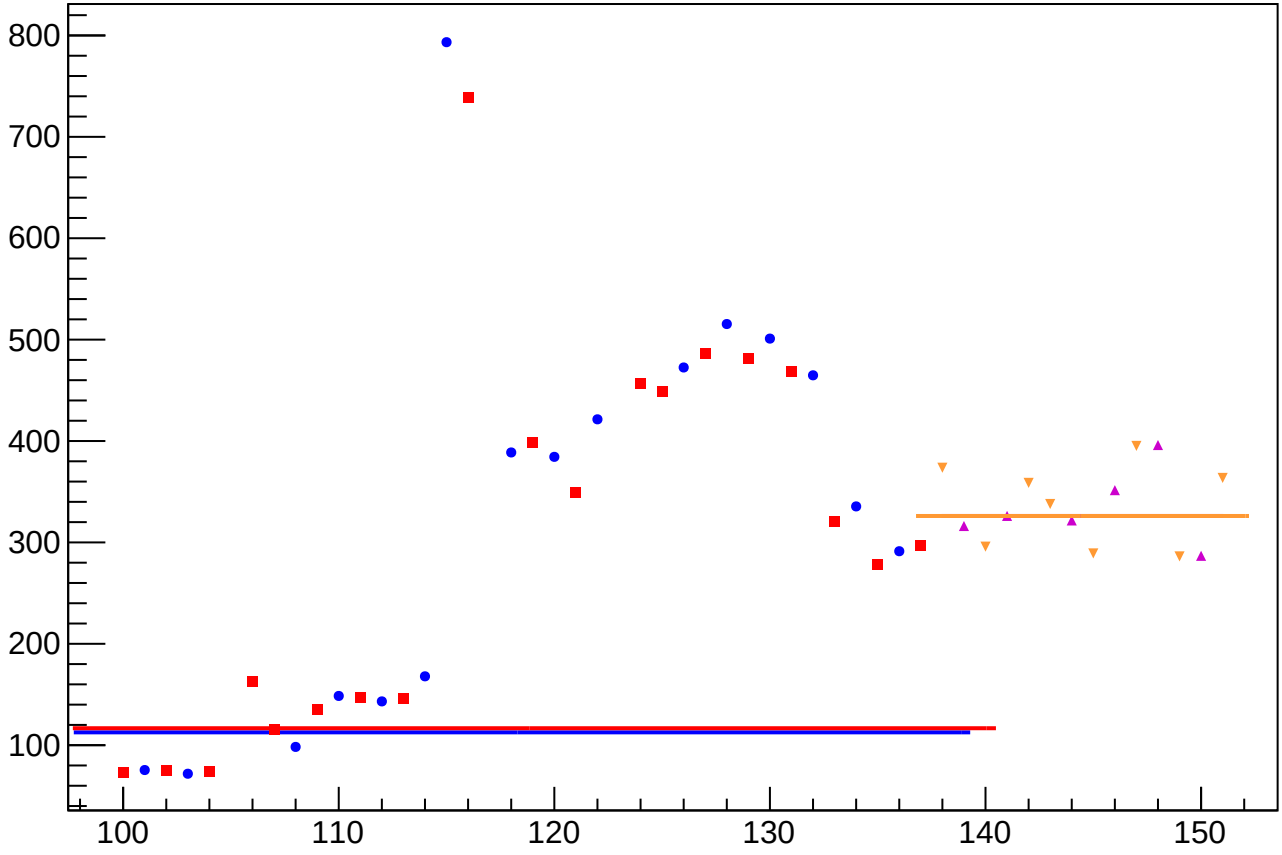
Left In: -206.871+/-143.792 χ^2/NDF:8.9/5

+ sign -16.174+/-49.682 χ^2/NDF: 21.5/23

All: -1.585+/-35.208 χ^2/NDF: 54.7/48

- sign 13.135+/-49.903 χ^2/NDF: 33.1/24

asym_sam_15_avg_eigen_dit_correction_rms vs Slug



Right In: 112.668+/-0.038 χ^2/NDF: 5599653.6/15

Left Out: 326.068+/-0.094 χ^2/NDF:177895.1/7

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

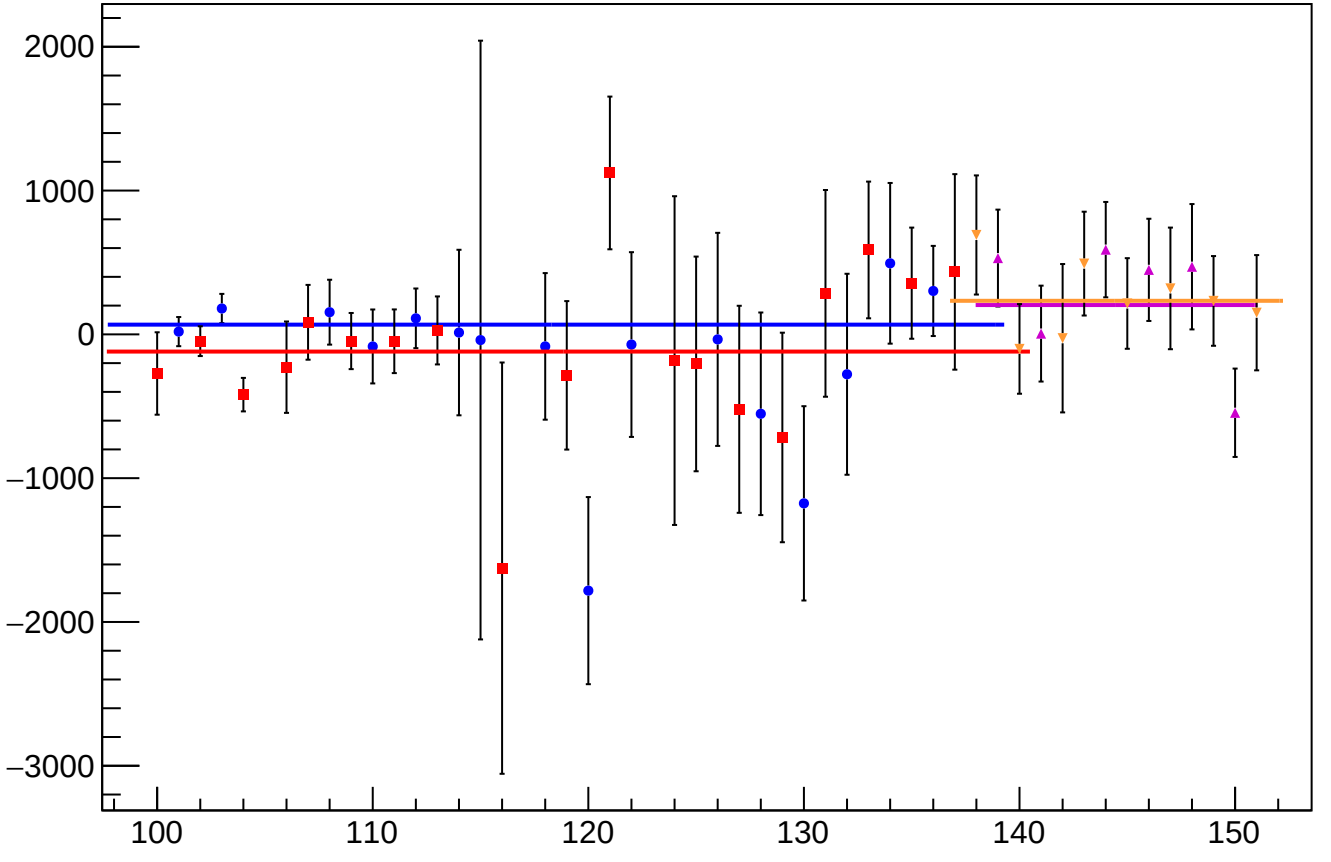
Left In: 326.078+/-0.102 χ^2/NDF:96008.1/5

+ sign 142.621+/-0.035 χ^2/NDF: 10229778.4/23

All: 142.285+/-0.025 χ^2/NDF: 19196007.5/48

- sign 141.947+/-0.035 χ^2/NDF: 8966045.7/24

asym_sam_15_avg_mean vs Slug



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 233.415+/-129.400 χ^2/NDF:3.2/7

Right Out: -119.635+/-57.941 χ^2/NDF: 21.1/18

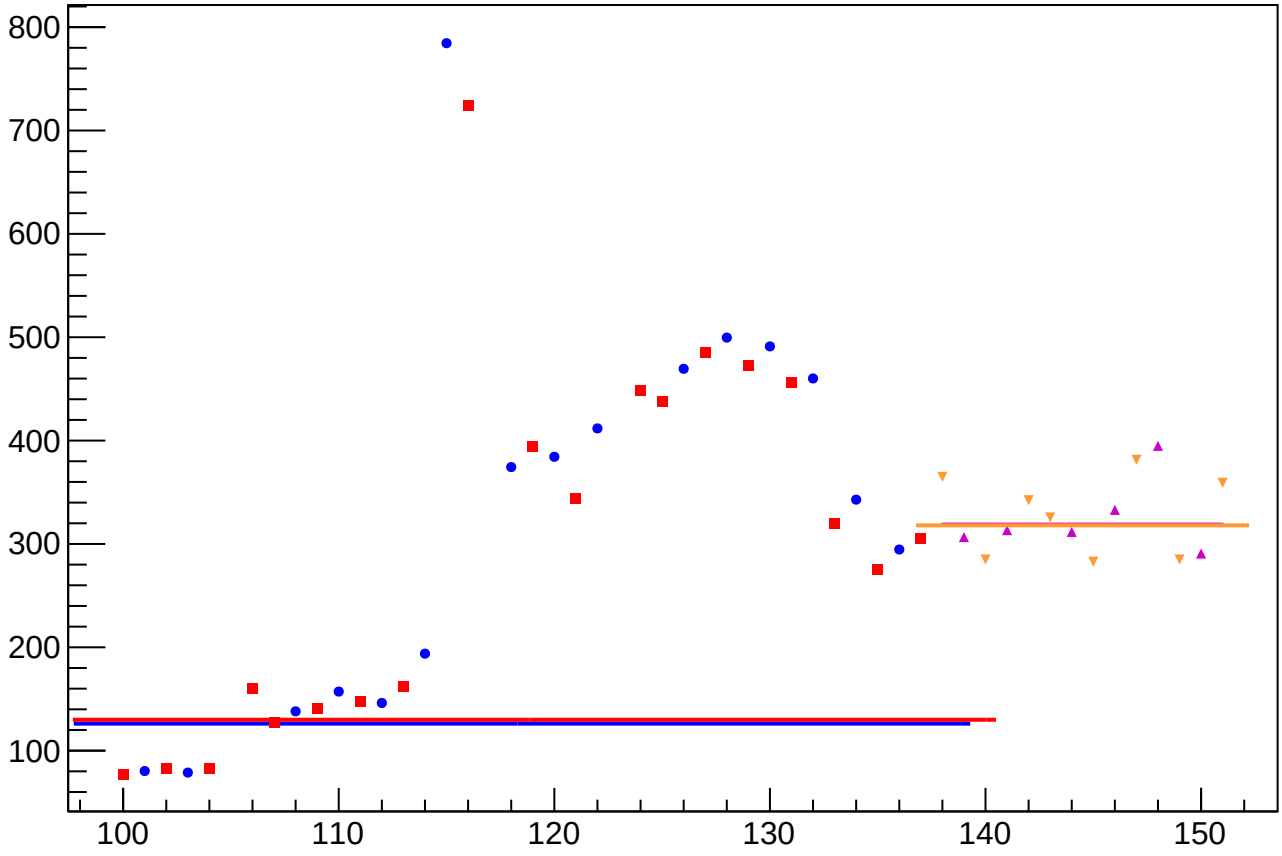
Left In: 203.881+/-140.486 χ^2/NDF:9.4/5

+ sign 96.291+/-53.810 χ^2/NDF: 20.4/23

All: 11.457+/-37.962 χ^2/NDF: 60.4/48

- sign -72.604+/-53.564 χ^2/NDF: 35.1/24

asym_sam_15_avg_rms vs Slug



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 318.001+/-0.091 χ^2/NDF:166967.7/7

Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

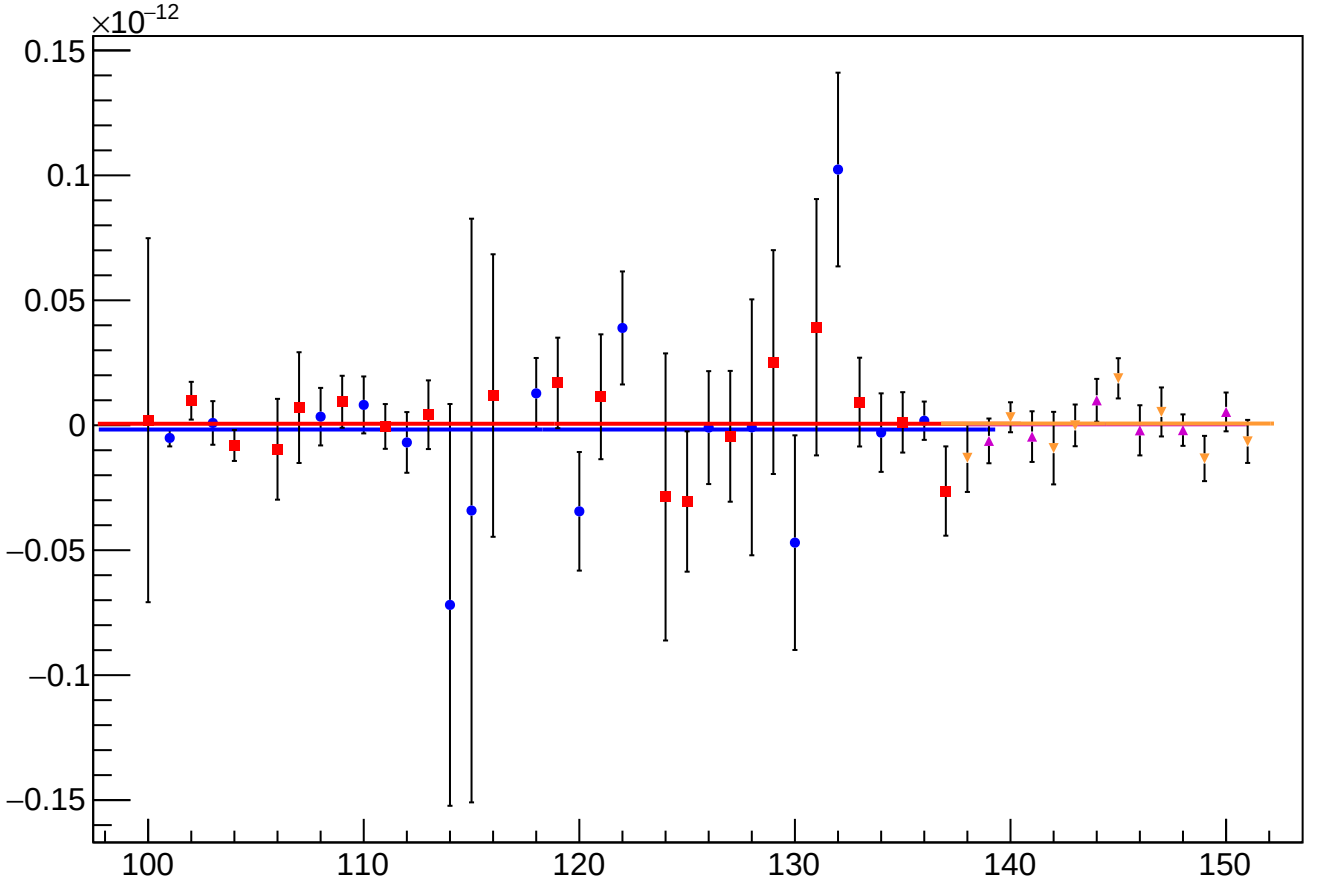
Left In: 318.708+/-0.099 χ^2/NDF:84878.9/5

+ sign 159.329+/-0.038 χ^2/NDF: 9022987.9/23

All: 158.340+/-0.027 χ^2/NDF: 16843737.9/48

- sign 157.360+/-0.038 χ^2/NDF: 7819405.0/24

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:10.0/7

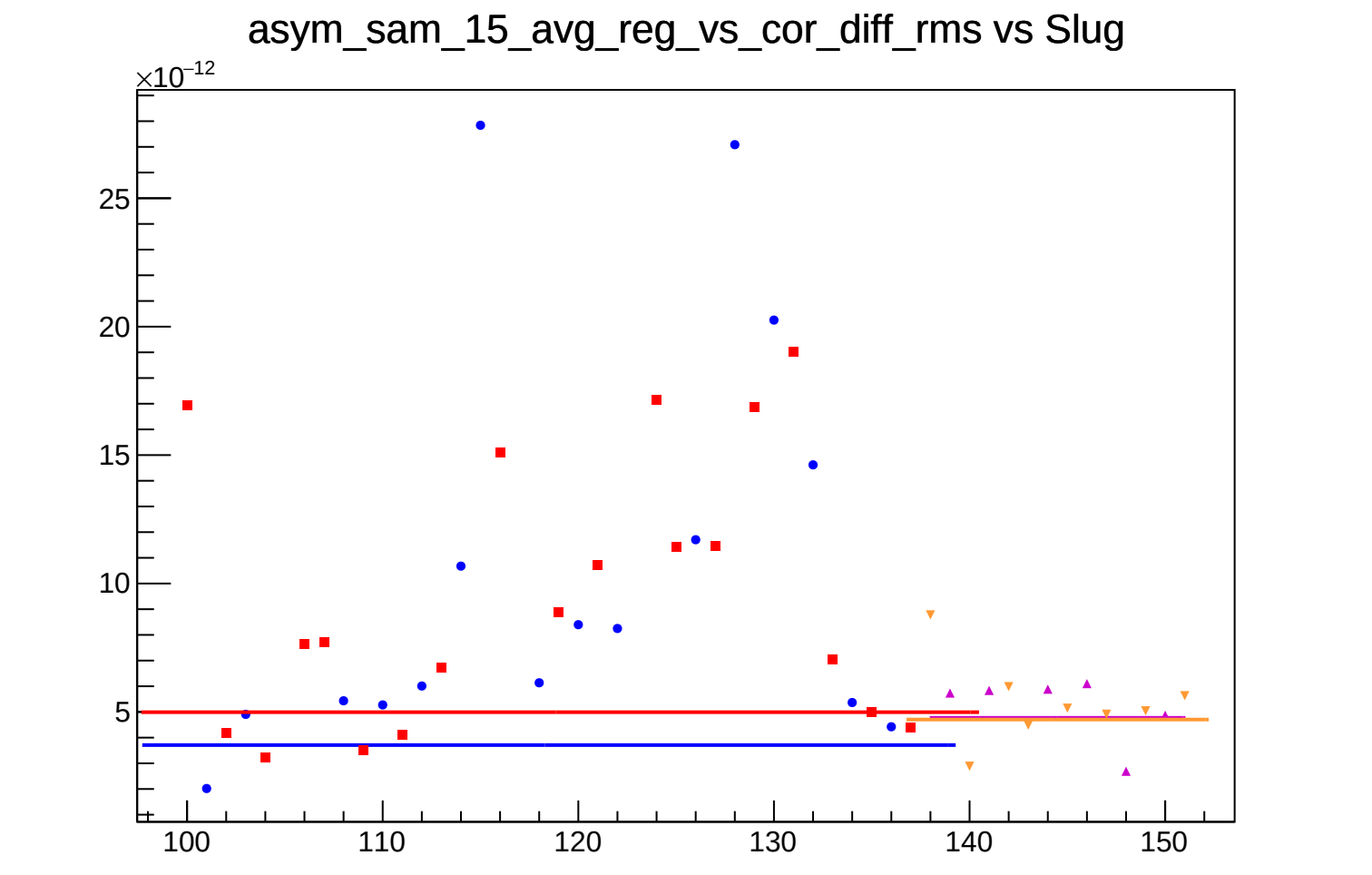
Right Out: 0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: 0.000+/-0.000 χ^2/NDF:2.6/5

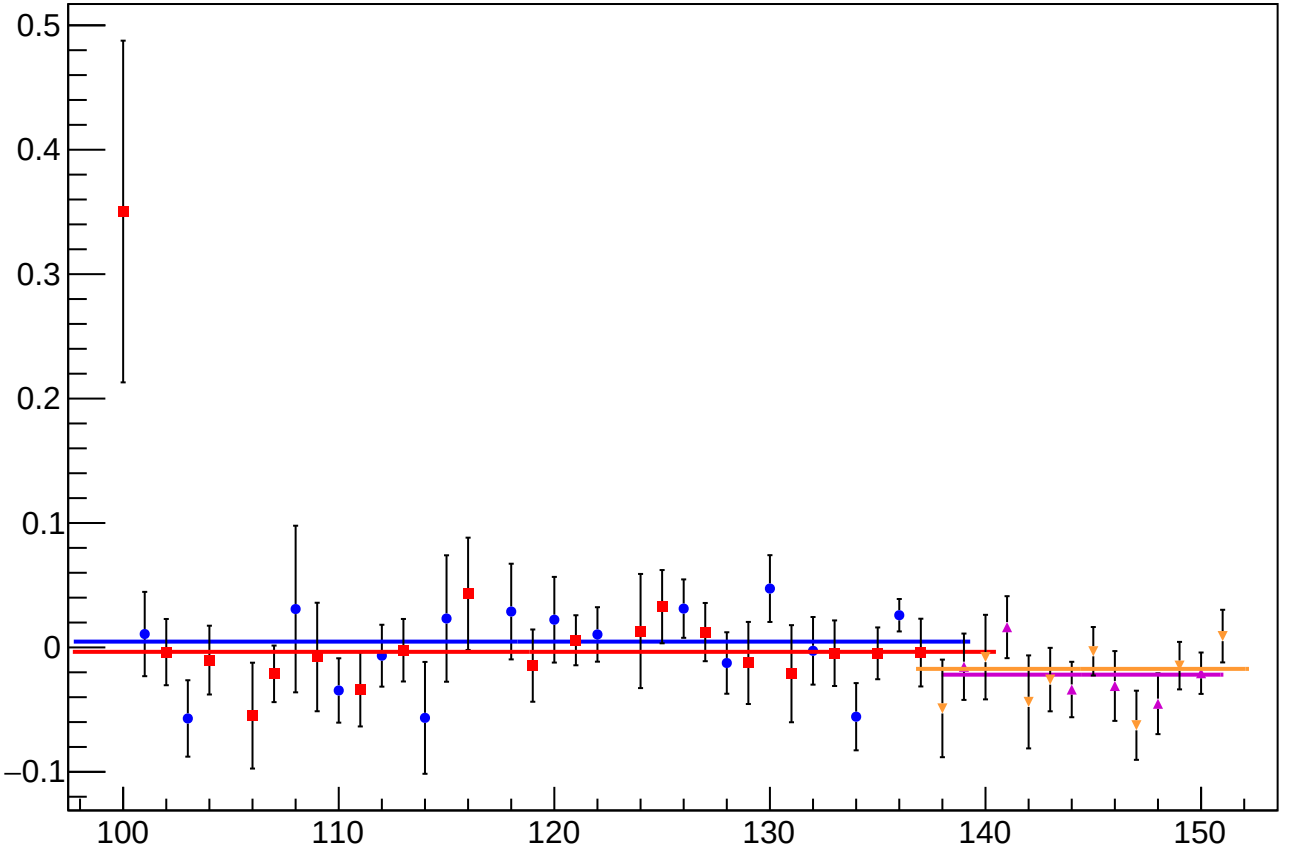
\+ sign -0.000+/-0.000 χ^2/NDF: 28.1/23

All: -0.000+/-0.000 χ^2/NDF: 41.5/48

\- sign 0.000+/-0.000 χ^2/NDF: 13.2/24


asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug
×10^−12
25
20
15
10
5
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2172466.3/15
Left Out: 0.000+/-0.000 χ²/NDF:411507.4/7
Right Out: 0.000+/-0.000 χ²/NDF: 1295374.6/18
Left In: 0.000+/-0.000 χ²/NDF:333184.0/5
+ sign 0.000+/-0.000 χ²/NDF: 2707221.3/23
All: 0.000+/-0.000 χ²/NDF: 4471515.4/48
- sign 0.000+/-0.000 χ²/NDF: 1633005.0/24

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: -0.017+/-0.009 χ^2/NDF:6.1/7

Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

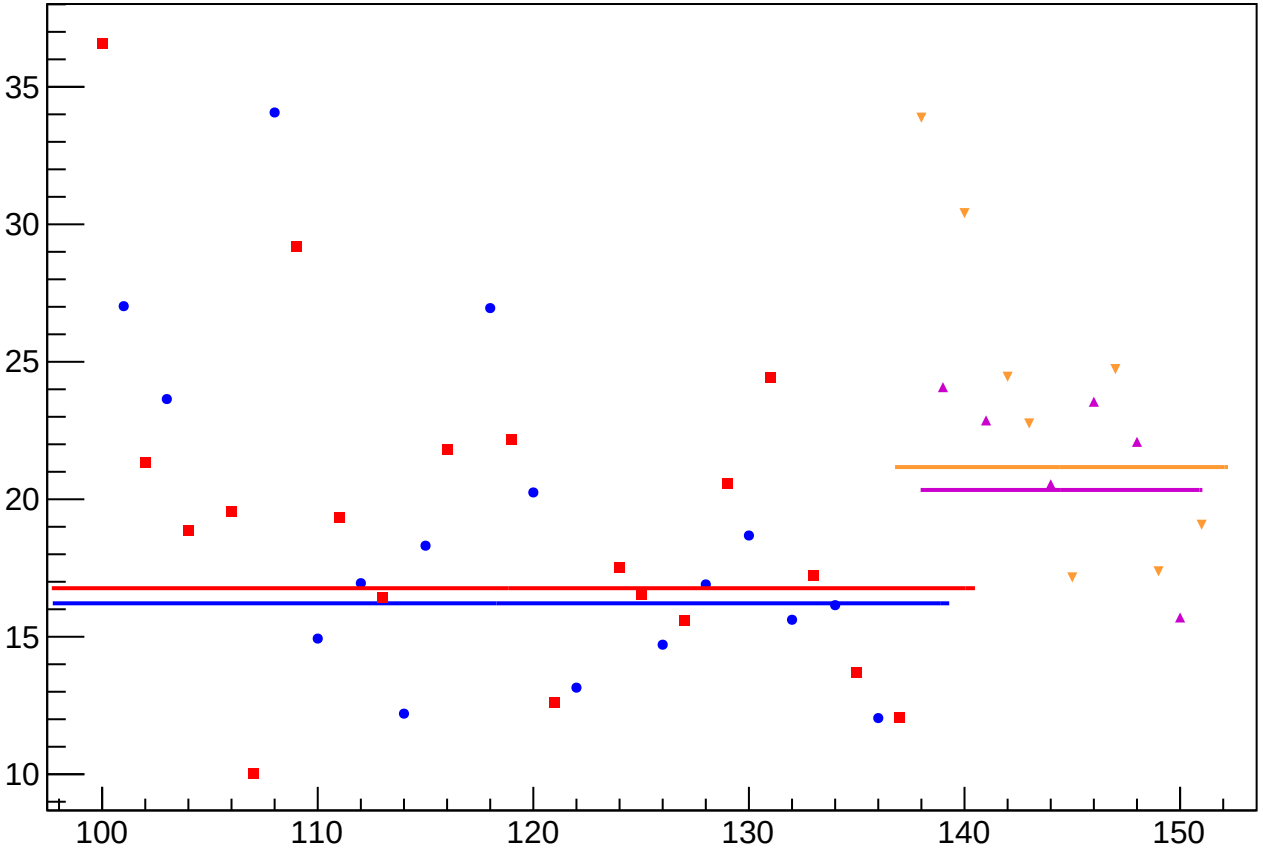
Left In: -0.022+/-0.009 χ^2/NDF:3.7/5

+ sign -0.003+/-0.005 χ^2/NDF: 31.5/23

All: -0.006+/-0.004 χ^2/NDF: 52.2/48

- sign -0.010+/-0.005 χ^2/NDF: 19.9/24

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: 21.171+/-0.006 χ^2/NDF:597377.2/7

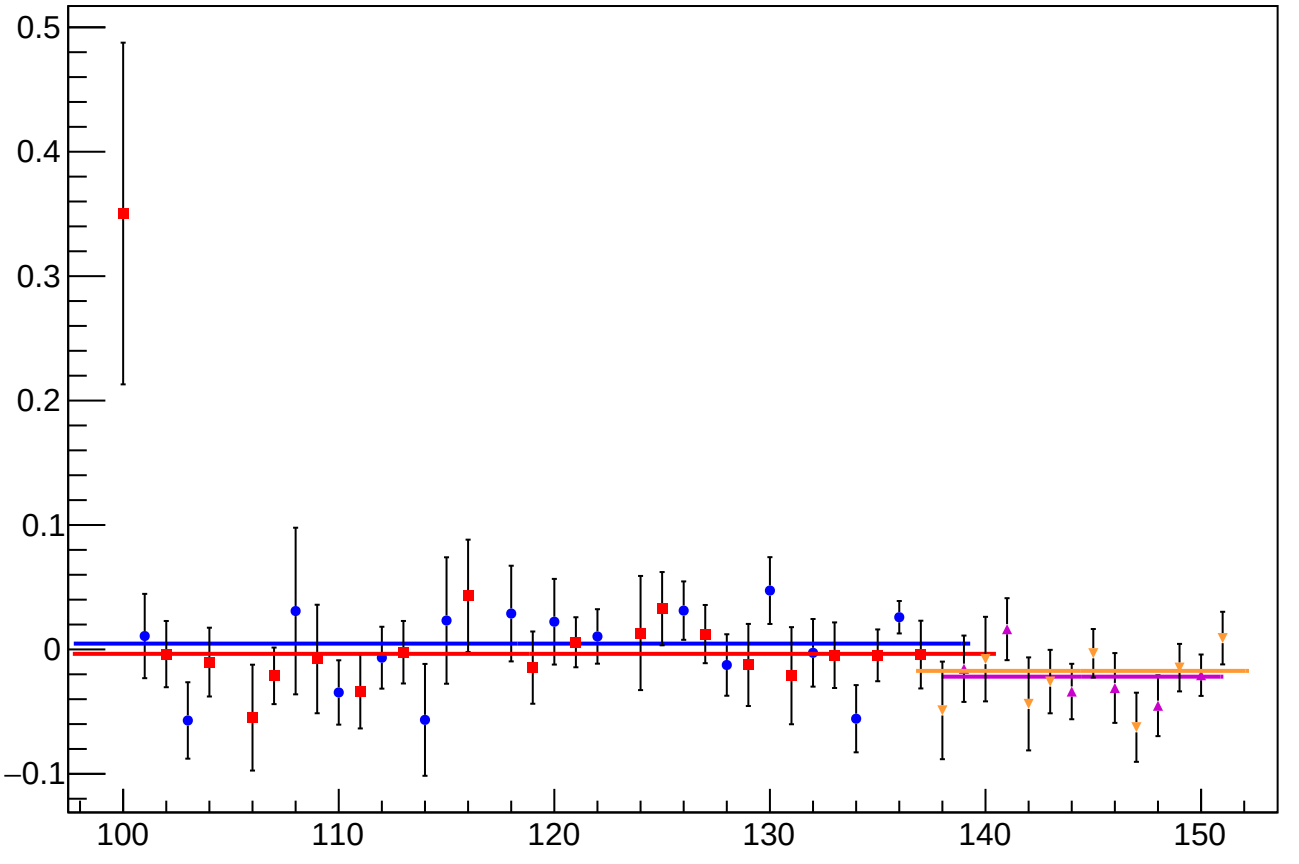
Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 20.340+/-0.007 χ^2/NDF:251993.6/5

+ sign 17.968+/-0.004 χ^2/NDF: 1943810.7/23

All: 17.970+/-0.003 χ^2/NDF: 3258725.9/48

- sign 17.972+/-0.004 χ^2/NDF: 1314914.6/24



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.017+/-0.009 χ^2/NDF:6.1/7

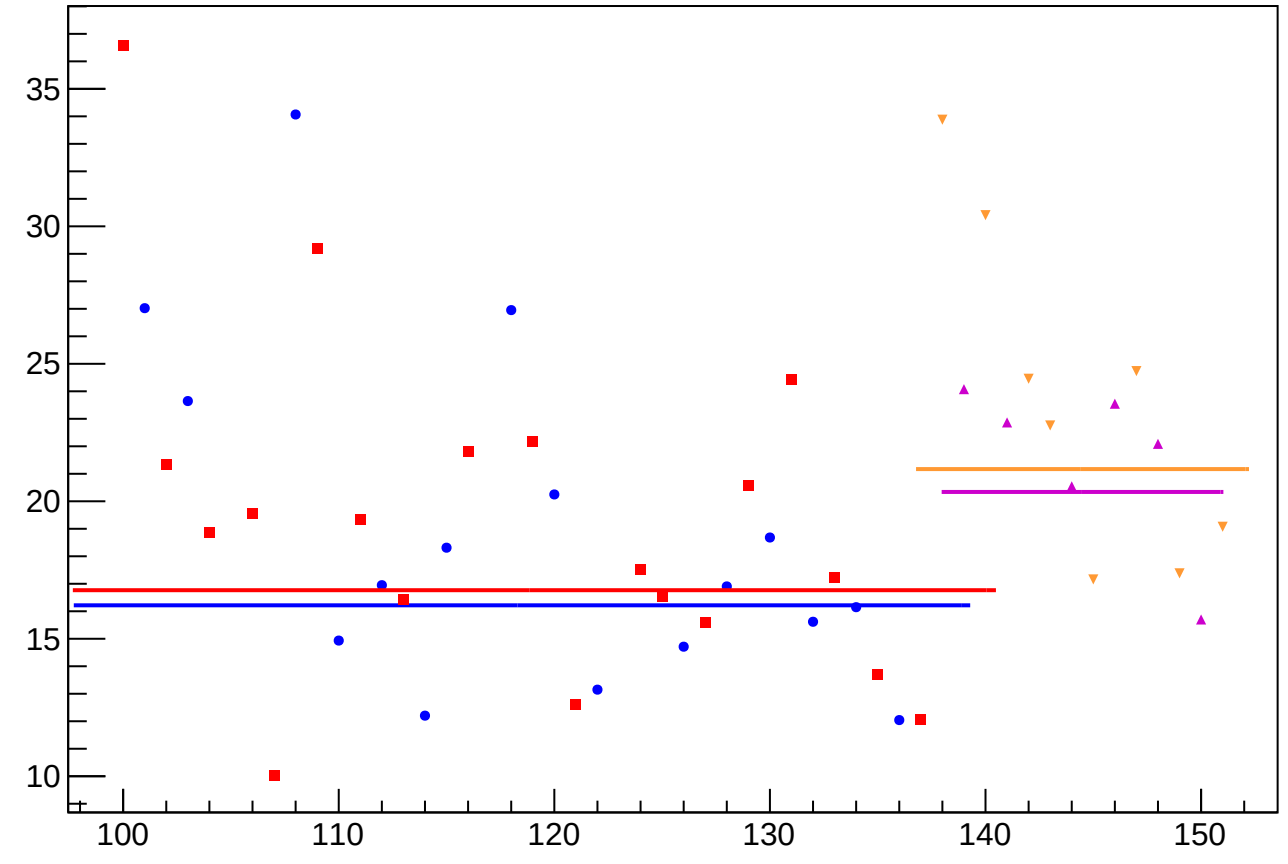
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.022+/-0.009 χ^2/NDF:3.7/5

+ sign -0.003+/-0.005 χ^2/NDF: 31.5/23

All: -0.006+/-0.004 χ^2/NDF: 52.2/48

- sign -0.010+/-0.005 χ^2/NDF: 19.9/24



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 21.171+/-0.006 χ^2/NDF:597377.2/7

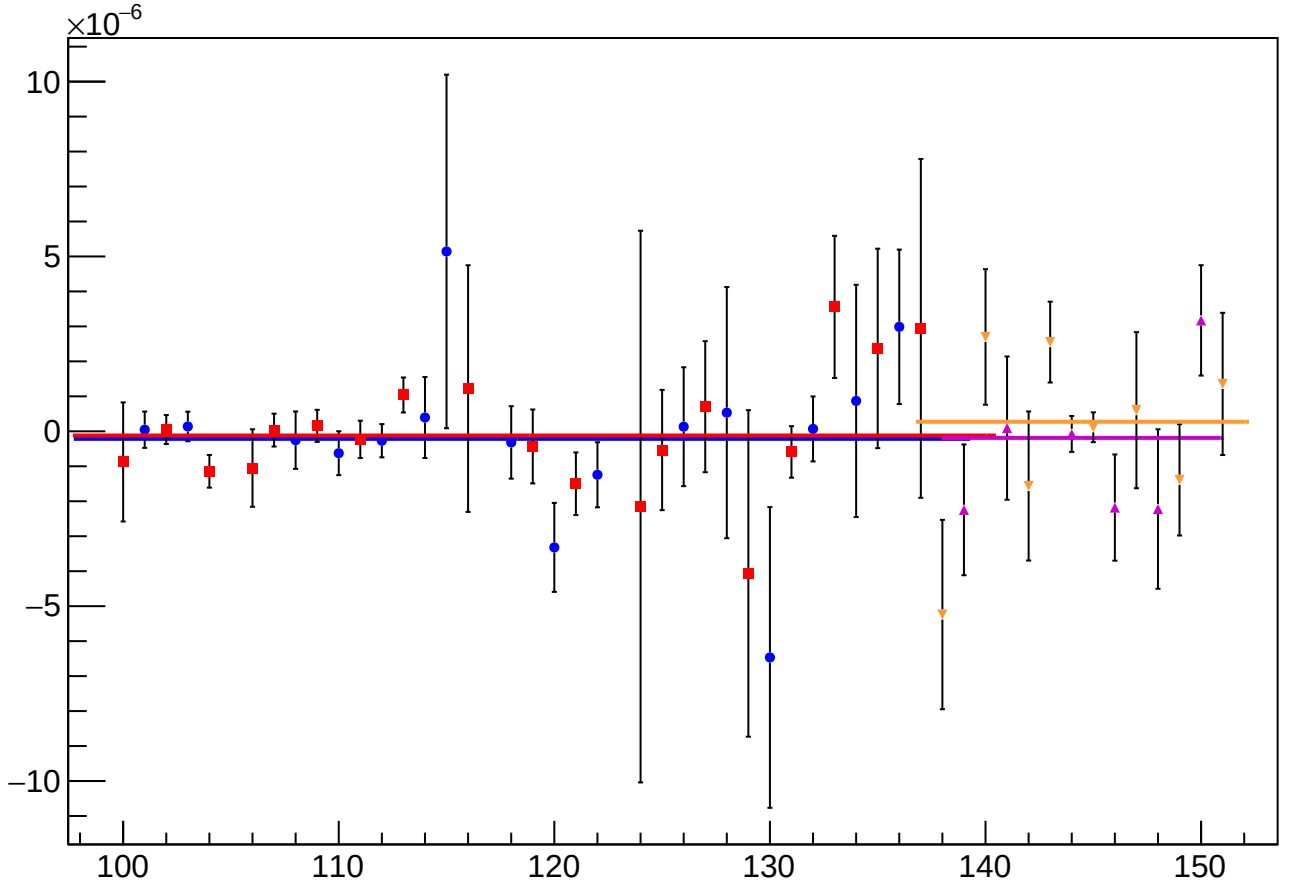
Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 20.340+/-0.007 χ^2/NDF:251993.6/5

+ sign 17.968+/-0.004 χ^2/NDF: 1943810.7/23

All: 17.970+/-0.003 χ^2/NDF: 3258725.9/48

- sign 17.972+/-0.004 χ^2/NDF: 1314914.6/24



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.9/7

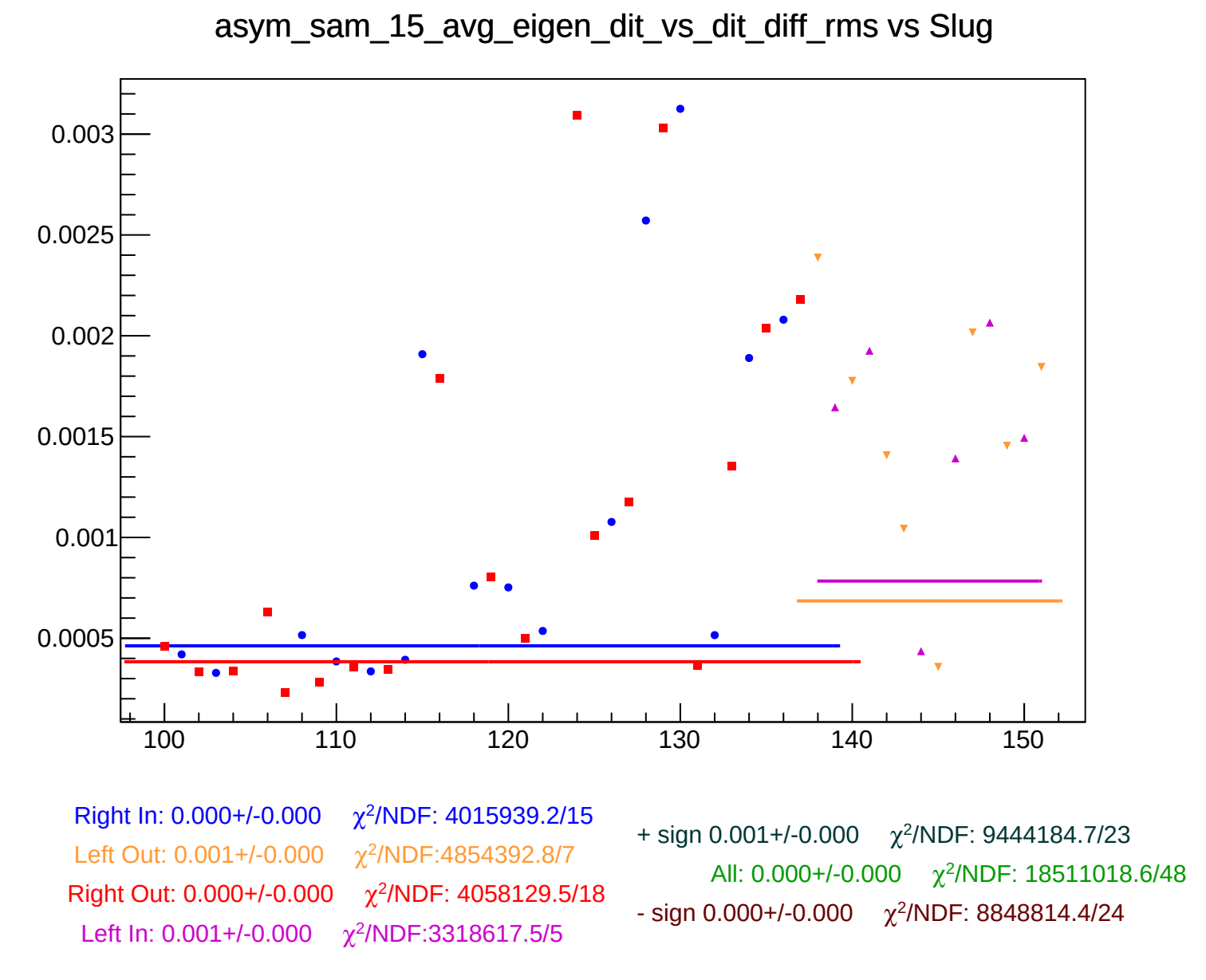
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: -0.000+/-0.000 χ^2/NDF:8.3/5

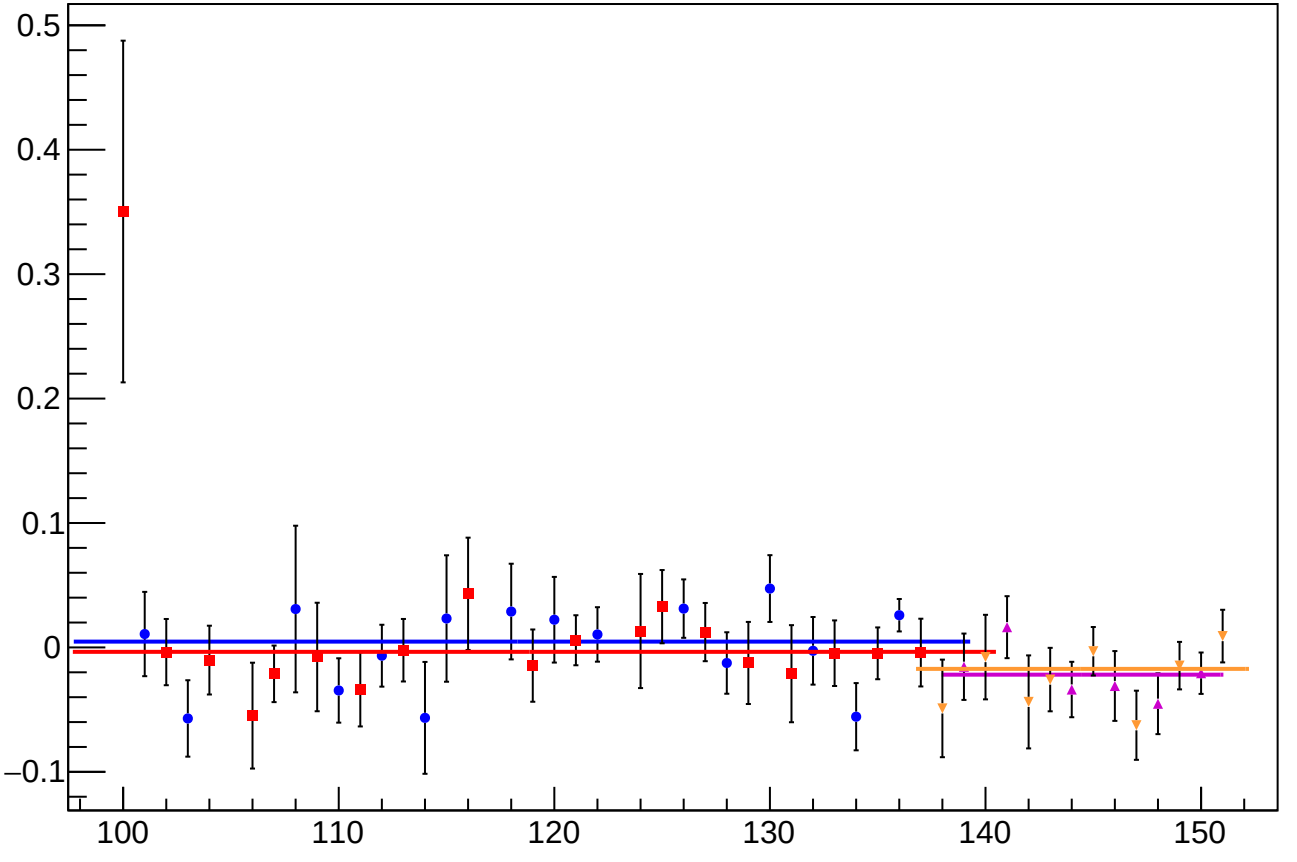
+ sign -0.000+/-0.000 χ^2/NDF: 27.7/23

All: -0.000+/-0.000 χ^2/NDF: 56.3/48

- sign -0.000+/-0.000 χ^2/NDF: 28.6/24


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
Right In: 0.000+/-0.000 χ²/NDF: 4015939.2/15
Left Out: 0.001+/-0.000 χ²/NDF:4854392.8/7
Right Out: 0.000+/-0.000 χ²/NDF: 4058129.5/18
Left In: 0.001+/-0.000 χ²/NDF:3318617.5/5
+ sign 0.001+/-0.000 χ²/NDF: 9444184.7/23
All: 0.000+/-0.000 χ²/NDF: 18511018.6/48
- sign 0.000+/-0.000 χ²/NDF: 8848814.4/24

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: -0.017+/-0.009 χ^2/NDF:6.1/7

Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

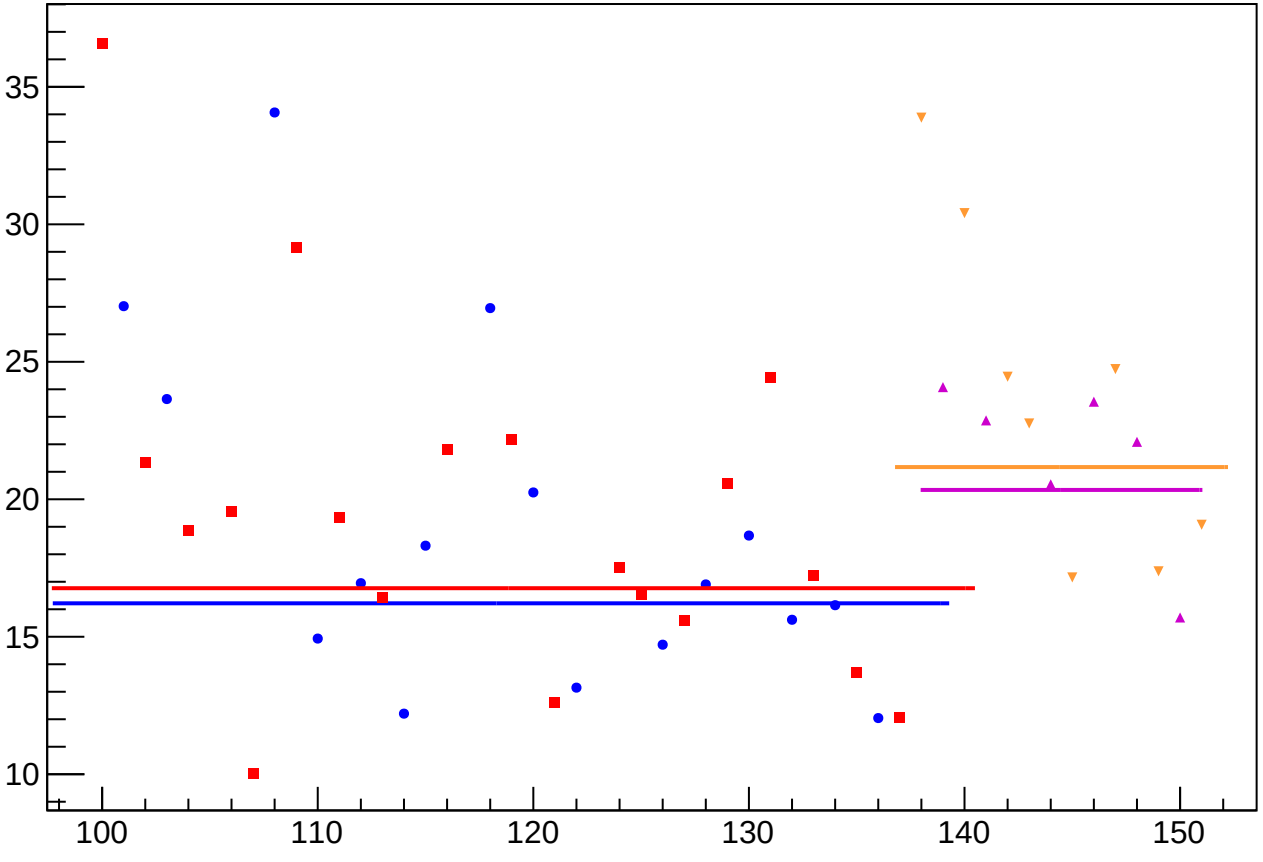
Left In: -0.022+/-0.009 χ^2/NDF:3.7/5

+ sign -0.003+/-0.005 χ^2/NDF: 31.5/23

All: -0.006+/-0.004 χ^2/NDF: 52.2/48

- sign -0.010+/-0.005 χ^2/NDF: 19.9/24

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 21.171+/-0.006 χ^2/NDF:597421.1/7

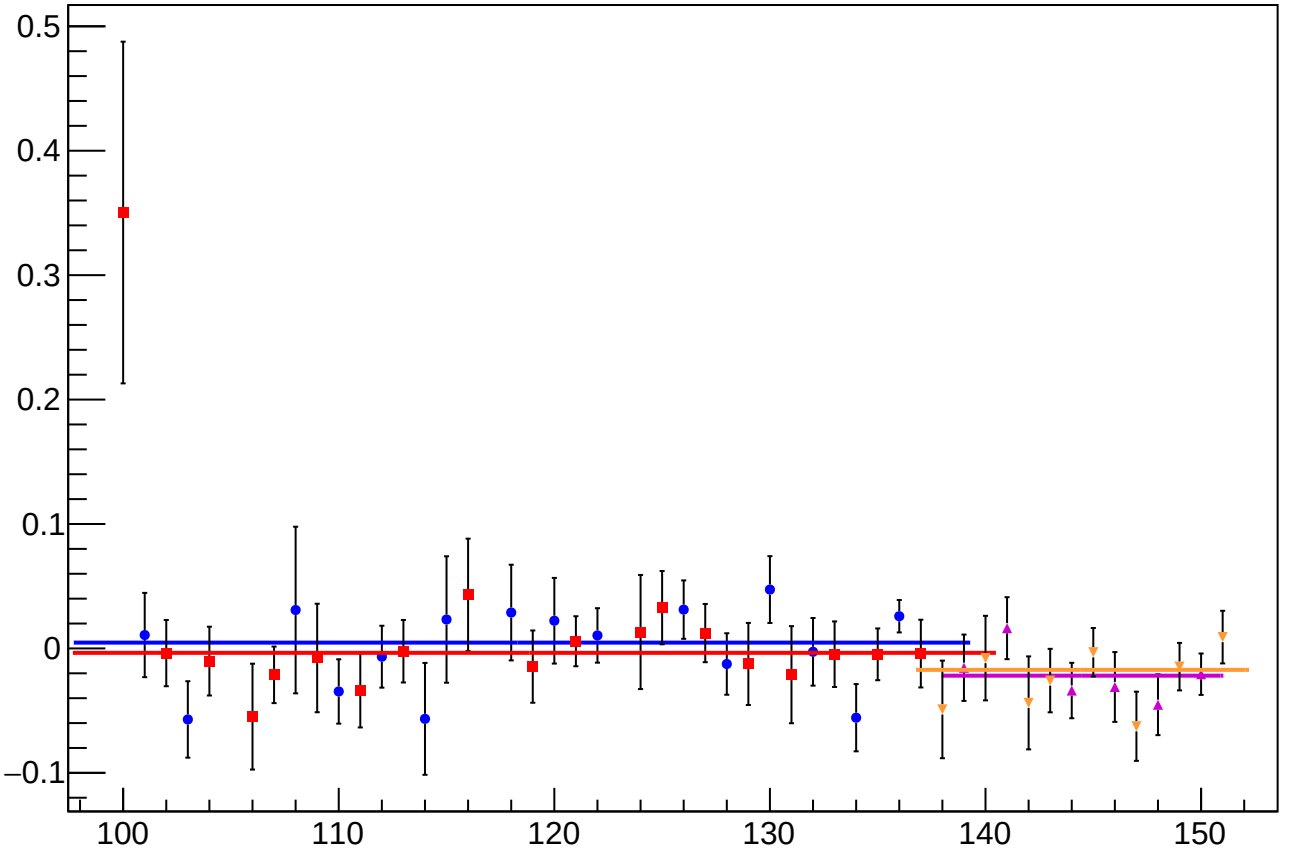
Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 20.340+/-0.007 χ^2/NDF:252058.6/5

\+ sign 17.967+/-0.004 χ^2/NDF: 1943876.6/23

All: 17.969+/-0.003 χ^2/NDF: 3258894.3/48

\- sign 17.972+/-0.004 χ^2/NDF: 1315017.2/24



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.017+/-0.009 χ^2/NDF:6.1/7

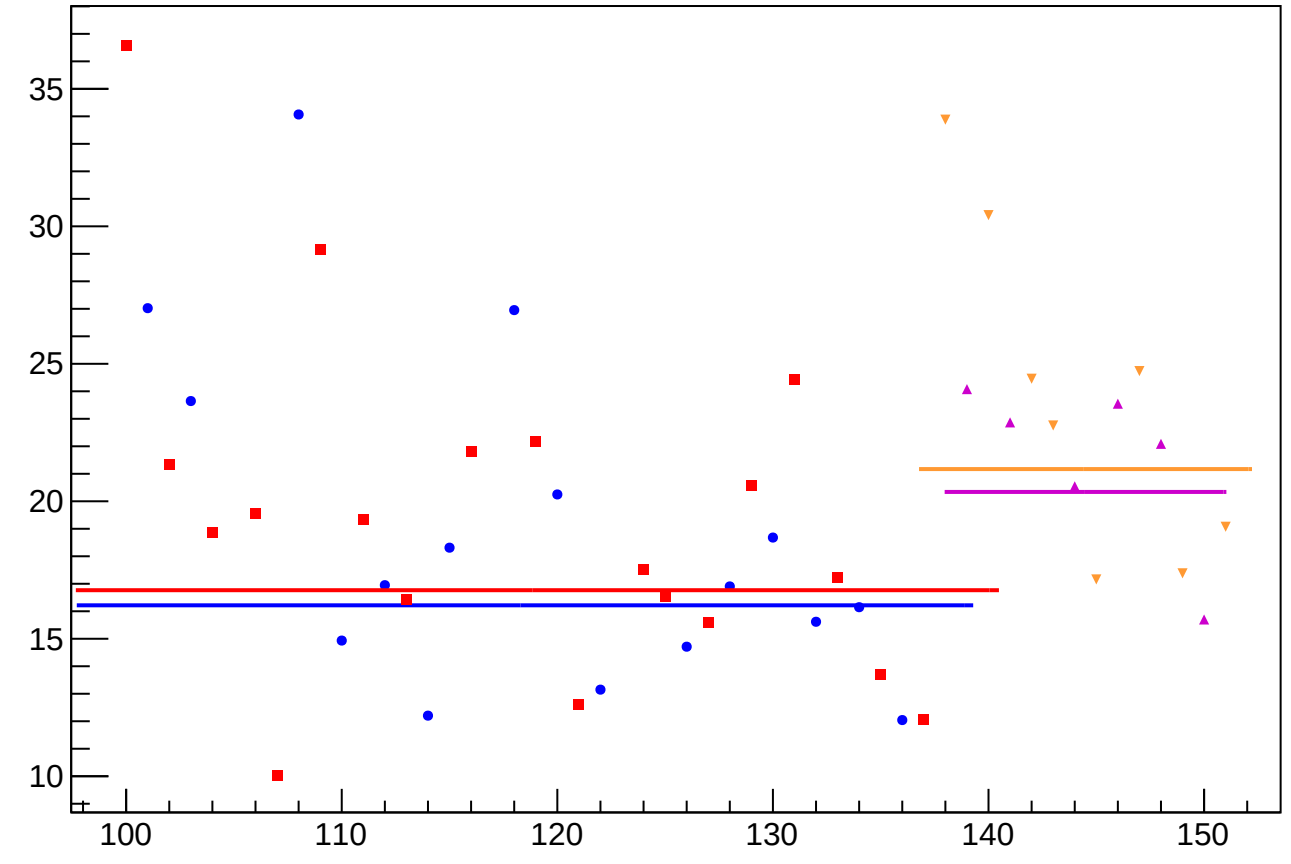
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.022+/-0.009 χ^2/NDF:3.7/5

+ sign -0.003+/-0.005 χ^2/NDF: 31.5/23

All: -0.006+/-0.004 χ^2/NDF: 52.2/48

- sign -0.010+/-0.005 χ^2/NDF: 19.9/24



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 21.171+/-0.006 χ^2/NDF:597421.1/7

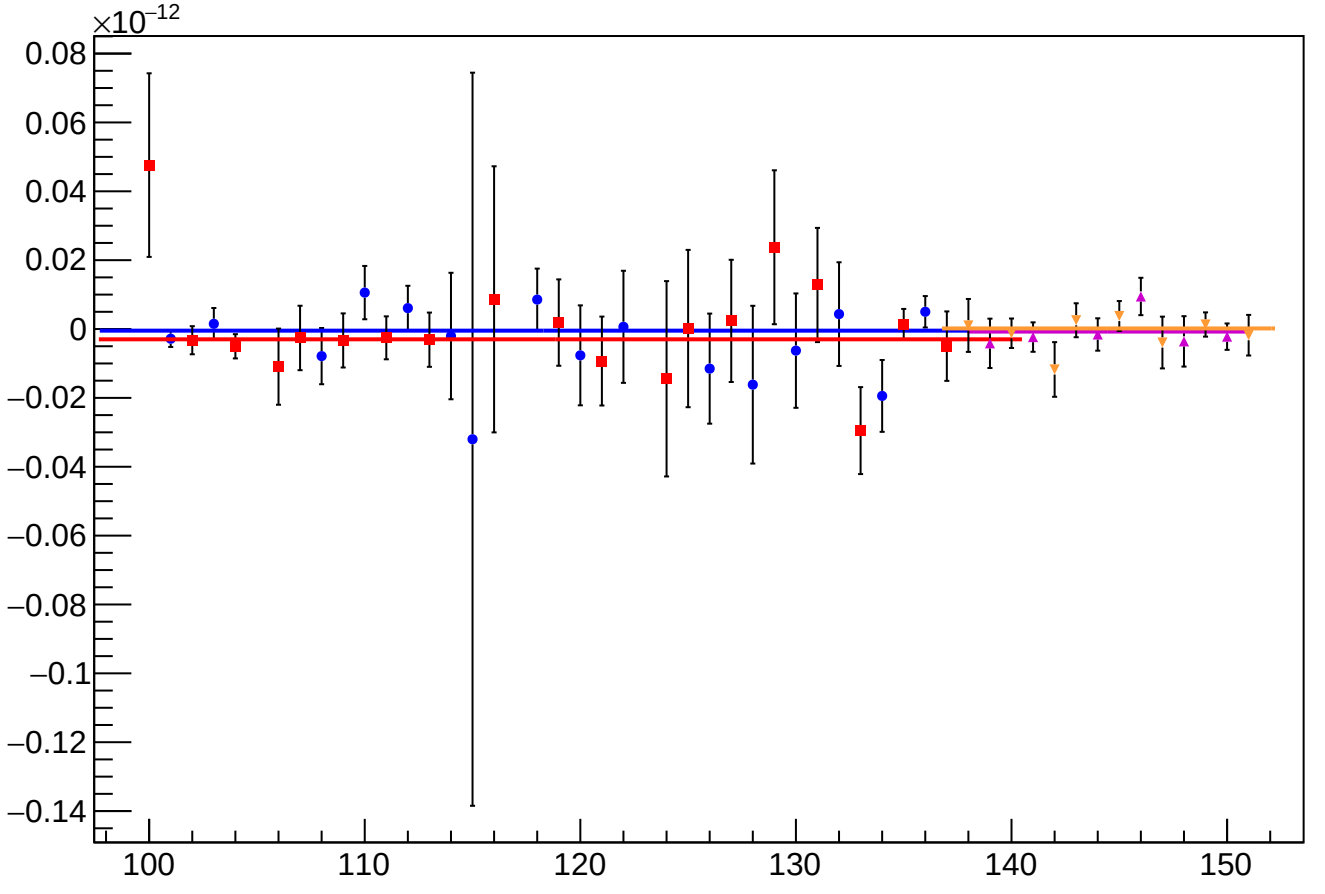
Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 20.340+/-0.007 χ^2/NDF:252058.6/5

+ sign 17.967+/-0.004 χ^2/NDF: 1943876.6/23

All: 17.969+/-0.003 χ^2/NDF: 3258894.3/48

- sign 17.972+/-0.004 χ^2/NDF: 1315017.2/24



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.8/7

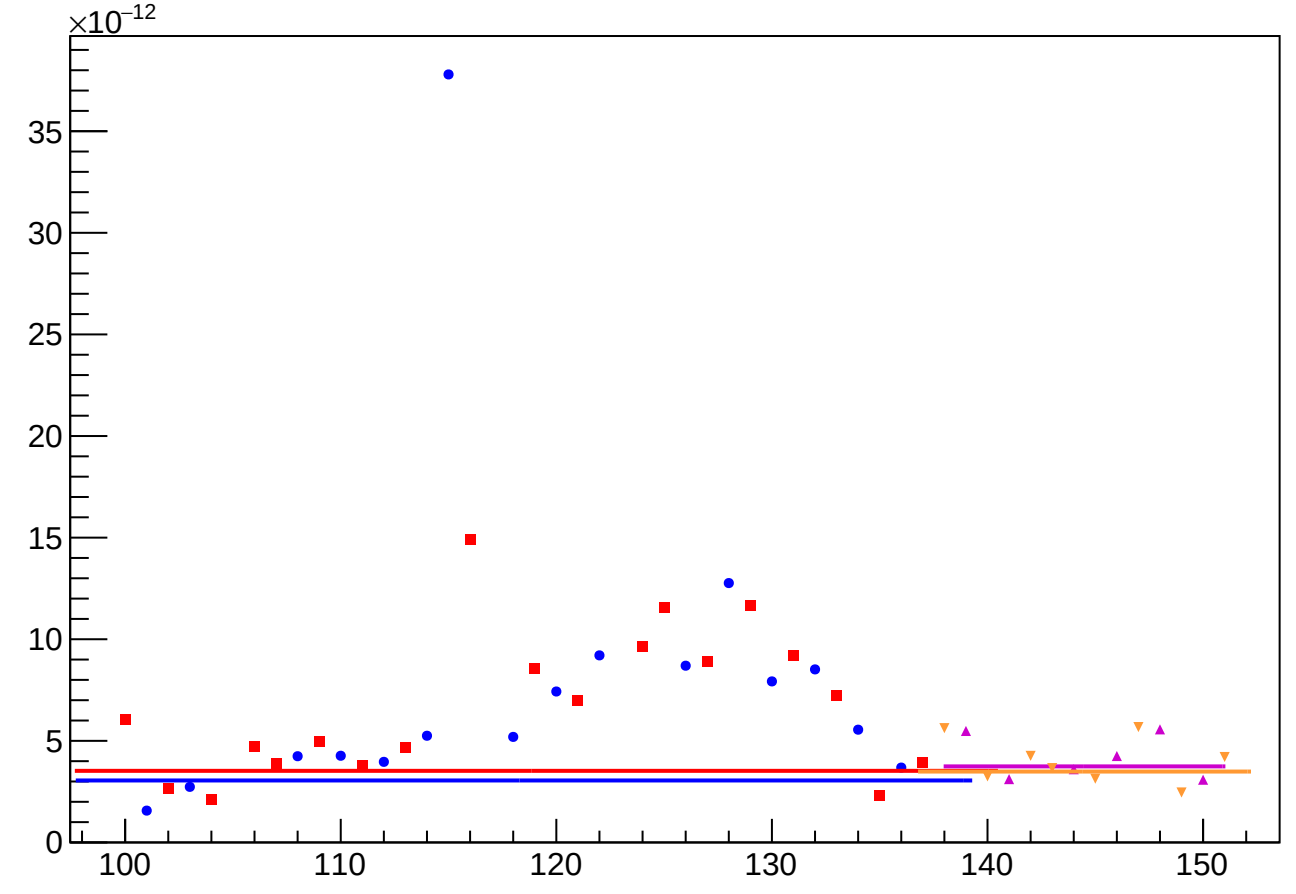
Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:4.2/5

+ sign -0.000+/-0.000 χ^2/NDF: 16.2/23

All: -0.000+/-0.000 χ^2/NDF: 35.1/48

- sign -0.000+/-0.000 χ^2/NDF: 17.9/24



Right In: 0.000+/-0.000 χ^2/NDF: 2937232.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:565059.2/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2559080.1/18

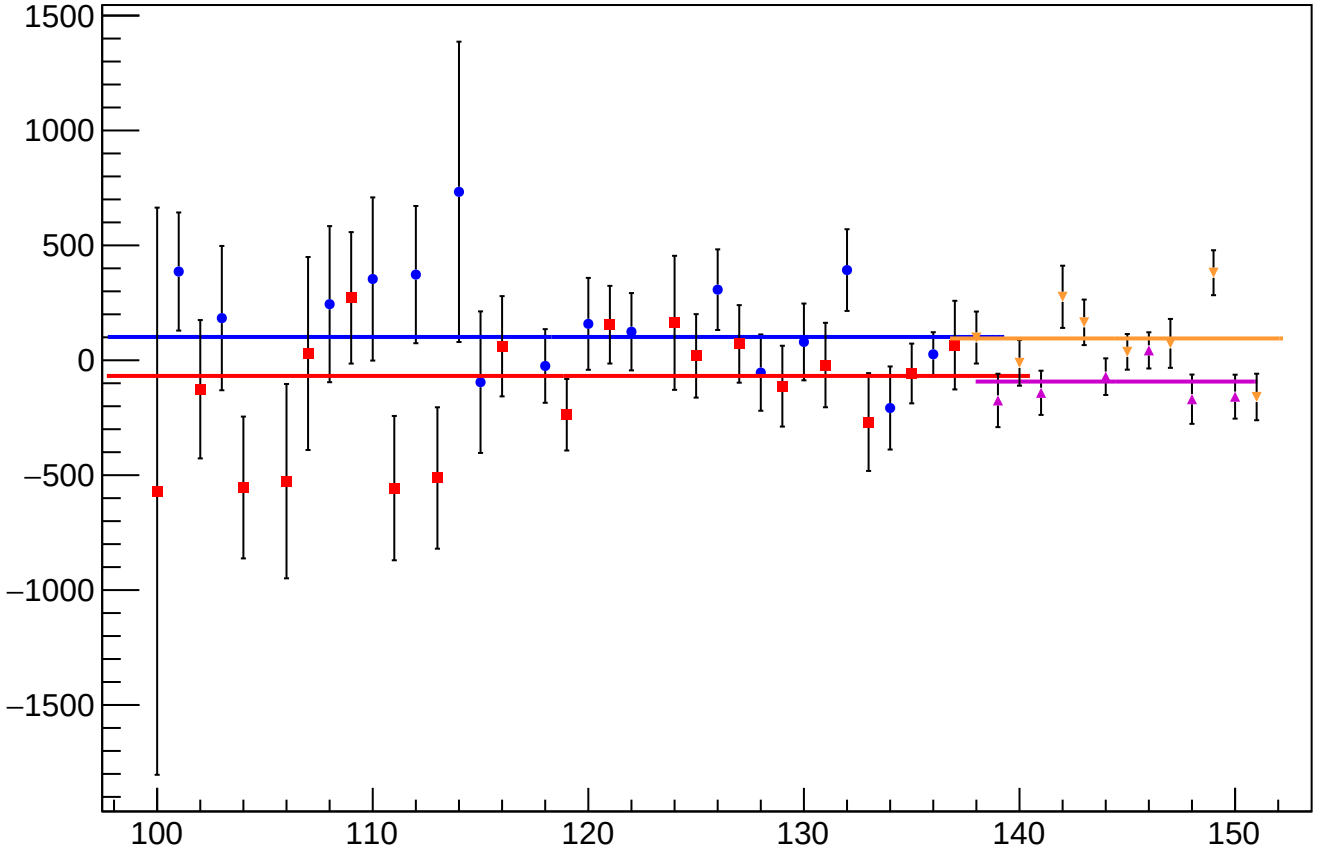
Left In: 0.000+/-0.000 χ^2/NDF:363385.4/5

+ sign 0.000+/-0.000 χ^2/NDF: 3567339.5/23

All: 0.000+/-0.000 χ^2/NDF: 6586628.2/48

- sign 0.000+/-0.000 χ^2/NDF: 2935512.3/24

reg_asym_sam_26_avg_mean vs Slug



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: 94.990+/-35.512 χ^2/NDF:18.9/7

Right Out: -68.108+/-49.327 χ^2/NDF: 16.1/18

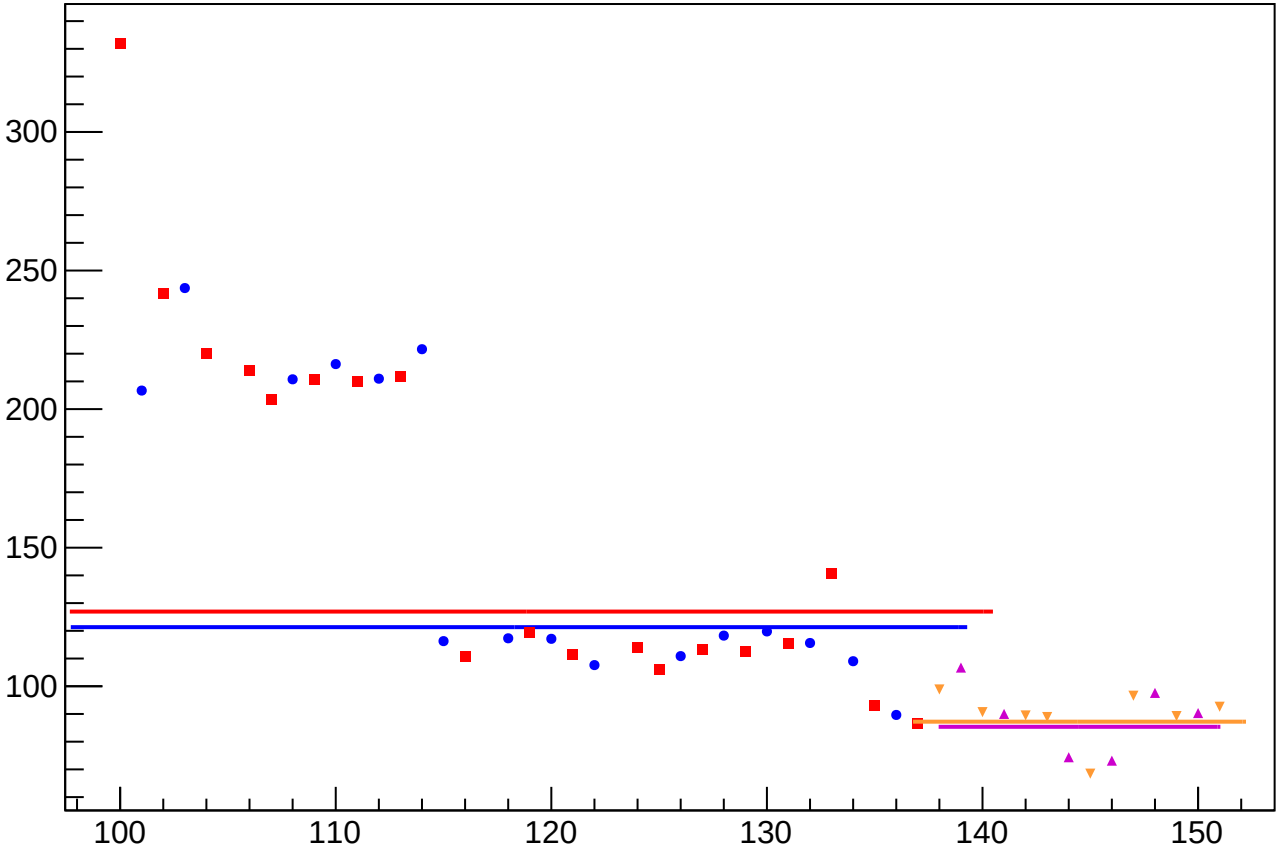
Left In: -92.659+/-37.877 χ^2/NDF:4.8/5

+ sign 97.301+/-28.470 χ^2/NDF: 32.3/23

All: 11.729+/-20.665 χ^2/NDF: 72.5/48

- sign -83.553+/-30.042 χ^2/NDF: 21.1/24

reg_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 87.217+/-0.025 χ^2/NDF:163706.3/7

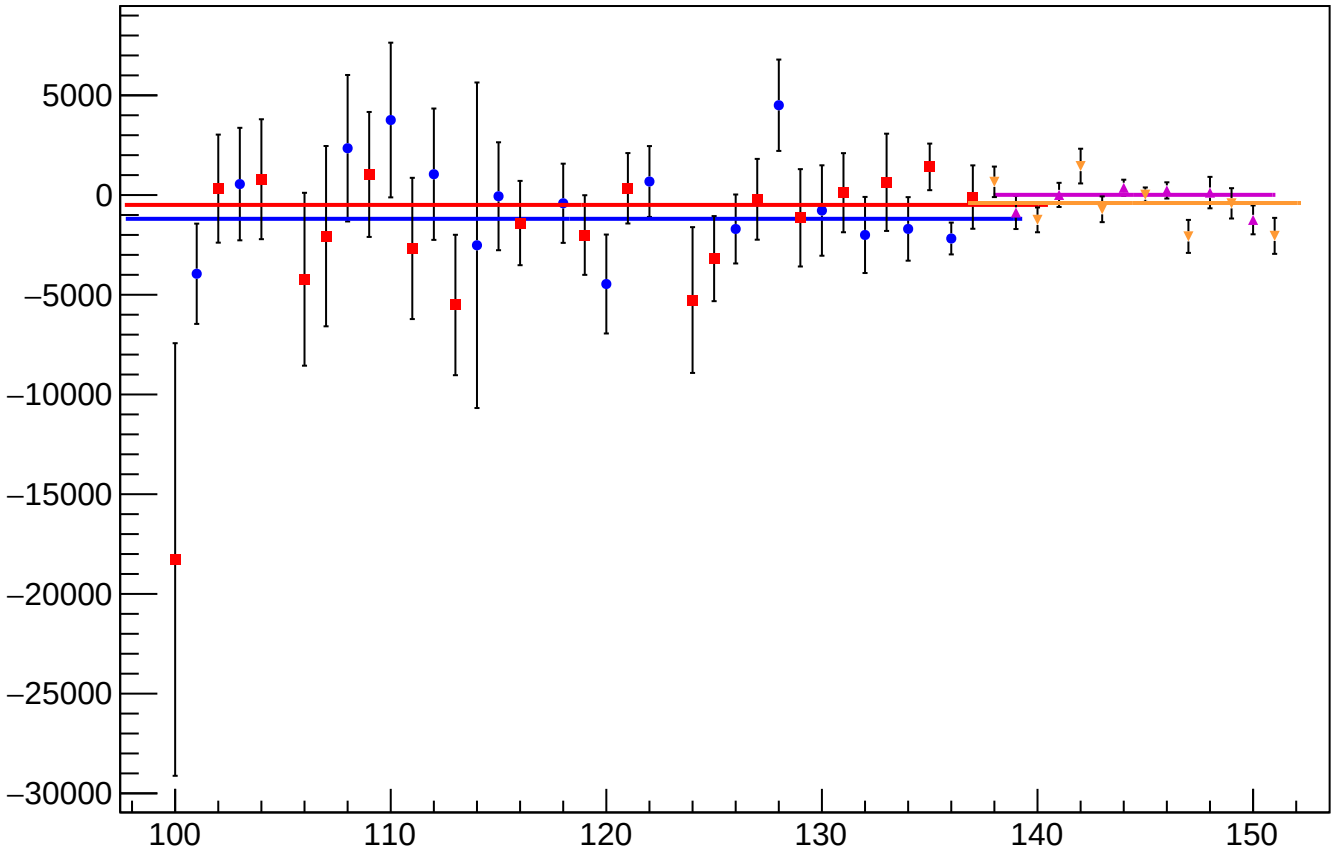
Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 85.364+/-0.027 χ^2/NDF:189789.8/5

+ sign 99.403+/-0.020 χ^2/NDF: 2109546.2/23

All: 100.058+/-0.015 χ^2/NDF: 4667158.0/48

- sign 100.787+/-0.021 χ^2/NDF: 2555374.2/24



Right In: -1192.168+/-478.908 χ^2/NDF: 15.9/15

Left Out: -398.883+/-223.293 χ^2/NDF:17.3/7

Right Out: -494.627+/-521.756 χ^2/NDF: 13.9/18

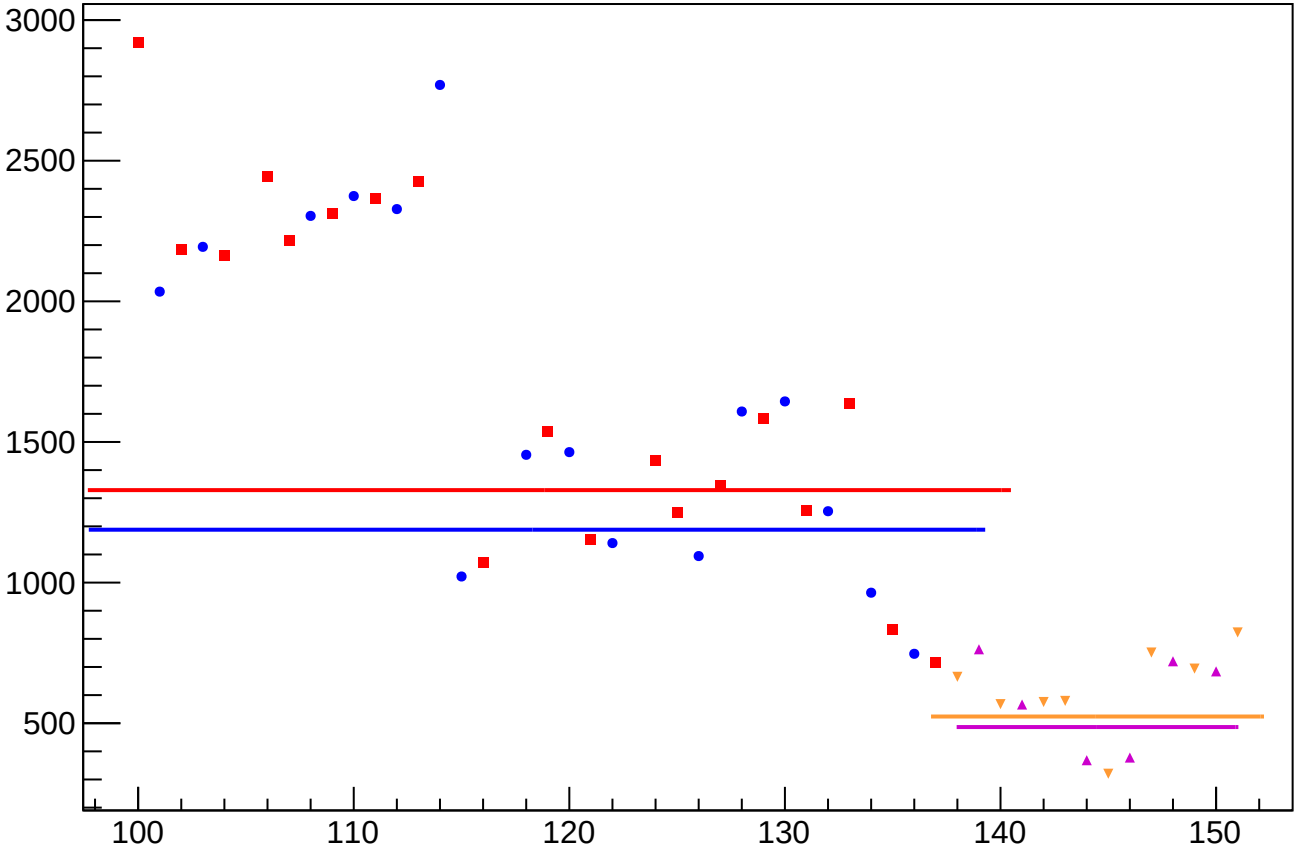
Left In: 10.246+/-224.503 χ^2/NDF:5.2/5

+ sign -540.542+/-202.376 χ^2/NDF: 35.5/23

All: -309.025+/-144.442 χ^2/NDF: 58.0/48

- sign -68.625+/-206.223 χ^2/NDF: 19.9/24

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044635.7/15

Left Out: 523.880+/-0.158 χ^2/NDF:1202005.1/7

Right Out: 1328.816+/-0.369 χ^2/NDF: 1957758.3/18

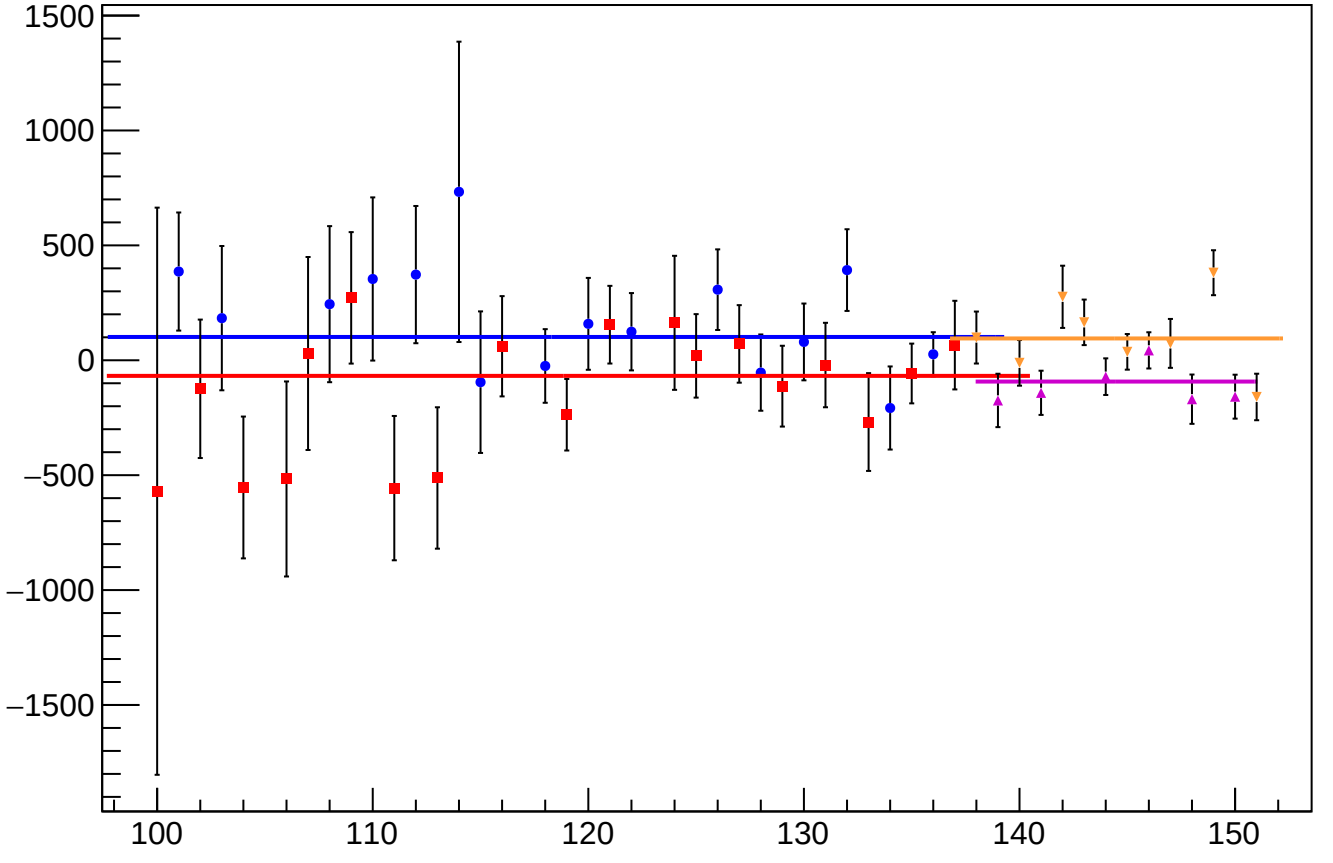
Left In: 486.419+/-0.159 χ^2/NDF:894579.2/5

+ sign 642.486+/-0.143 χ^2/NDF: 6406579.5/23

All: 630.483+/-0.102 χ^2/NDF: 13672303.2/48

- sign 618.019+/-0.146 χ^2/NDF: 7251381.9/24

cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 94.996+/-35.512 χ^2/NDF:18.9/7

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

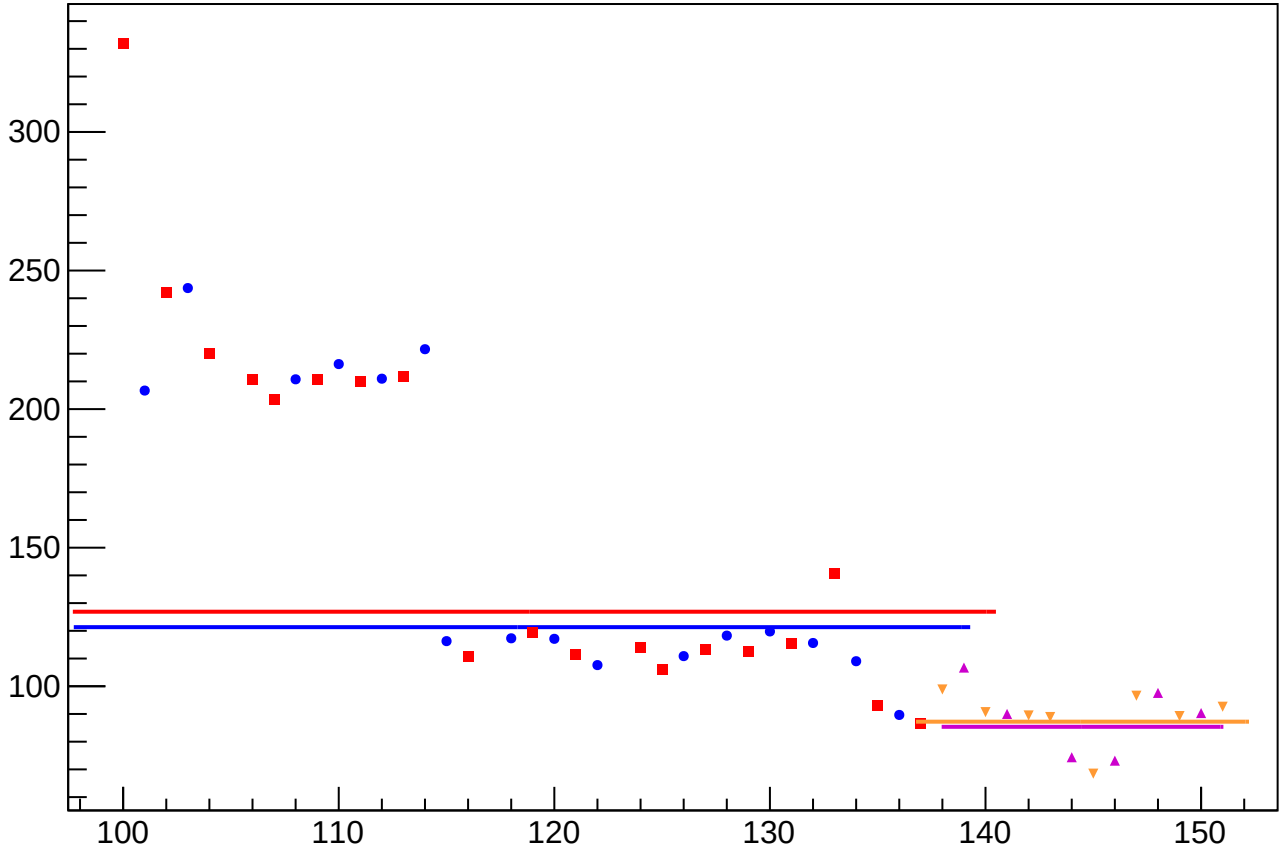
Left In: -92.658+/-37.877 χ^2/NDF:4.8/5

+ sign 97.300+/-28.470 χ^2/NDF: 32.3/23

All: 11.770+/-20.665 χ^2/NDF: 72.4/48

- sign -83.469+/-30.043 χ^2/NDF: 21.0/24

cor_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 87.217+/-0.025 χ^2/NDF:163706.3/7

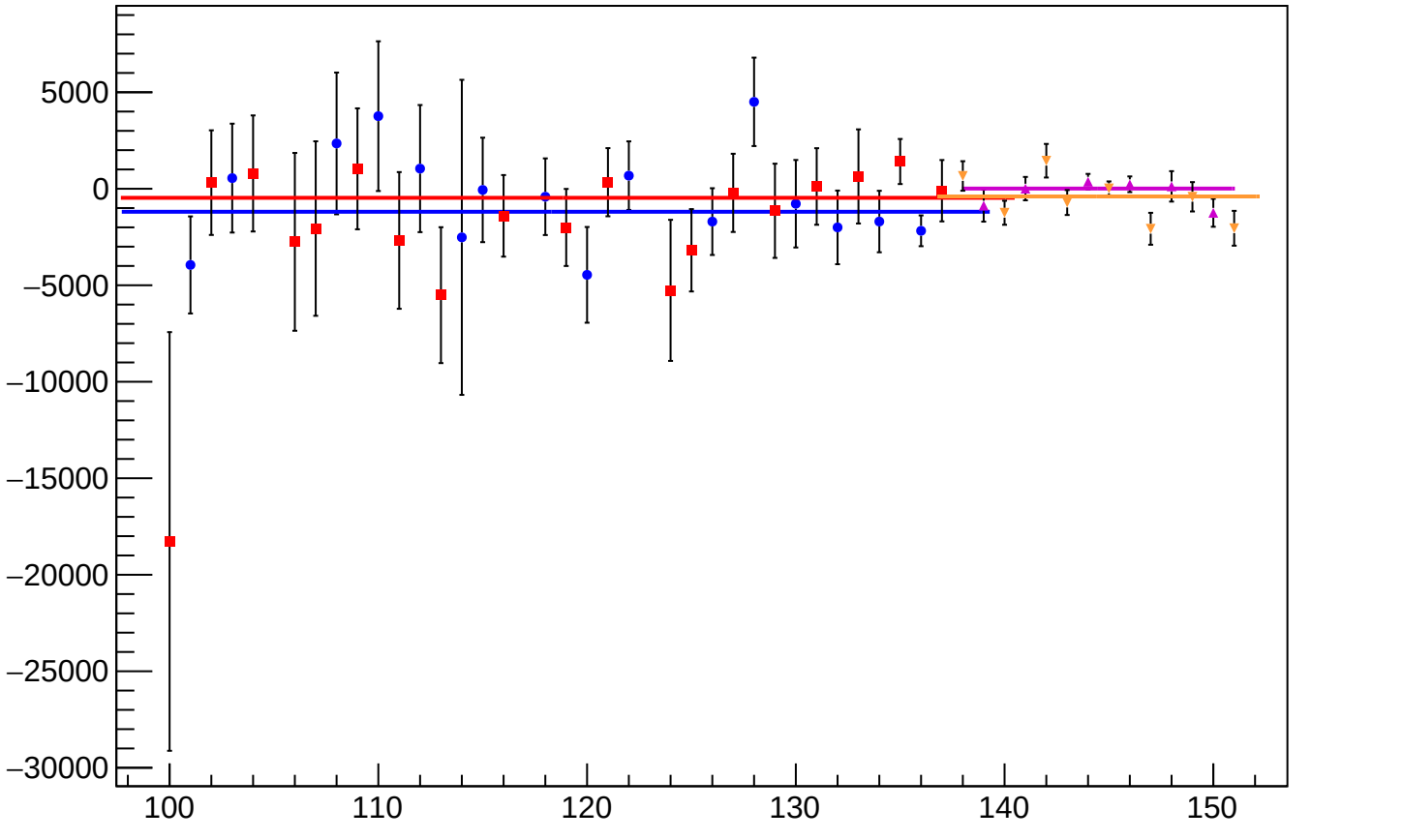
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 85.364+/-0.027 χ^2/NDF:189789.8/5

+ sign 99.403+/-0.020 χ^2/NDF: 2109548.5/23

All: 100.049+/-0.015 χ^2/NDF: 4658763.9/48

- sign 100.768+/-0.021 χ^2/NDF: 2547041.3/24



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -398.874+/-223.293 χ^2/NDF:17.3/7

Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

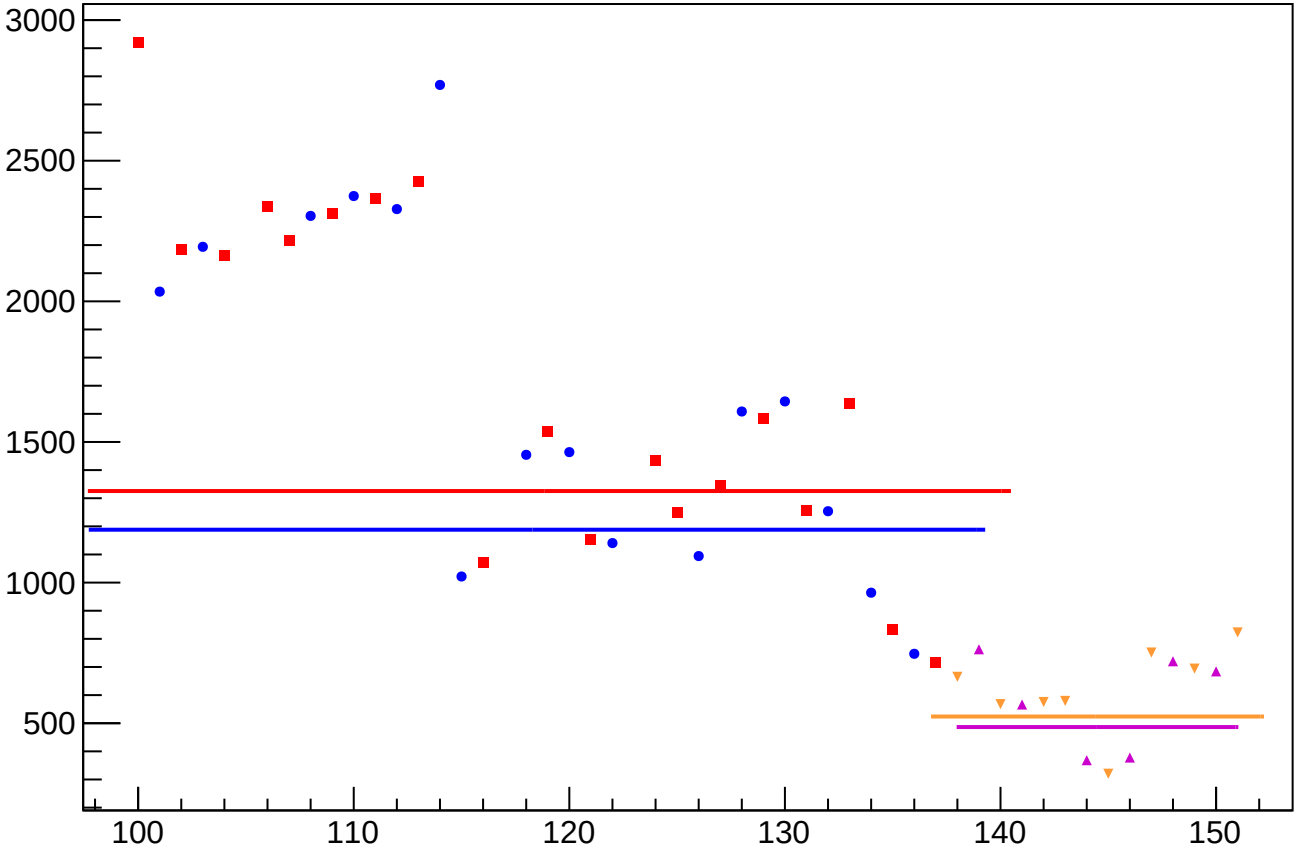
Left In: 10.242+/-224.503 χ^2/NDF:5.2/5

+ sign -540.530+/-202.376 χ^2/NDF: 35.5/23

All: -307.092+/-144.452 χ^2/NDF: 57.5/48

- sign -64.632+/-206.250 χ^2/NDF: 19.3/24

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 523.879+/-0.158 χ^2/NDF:1202011.7/7

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

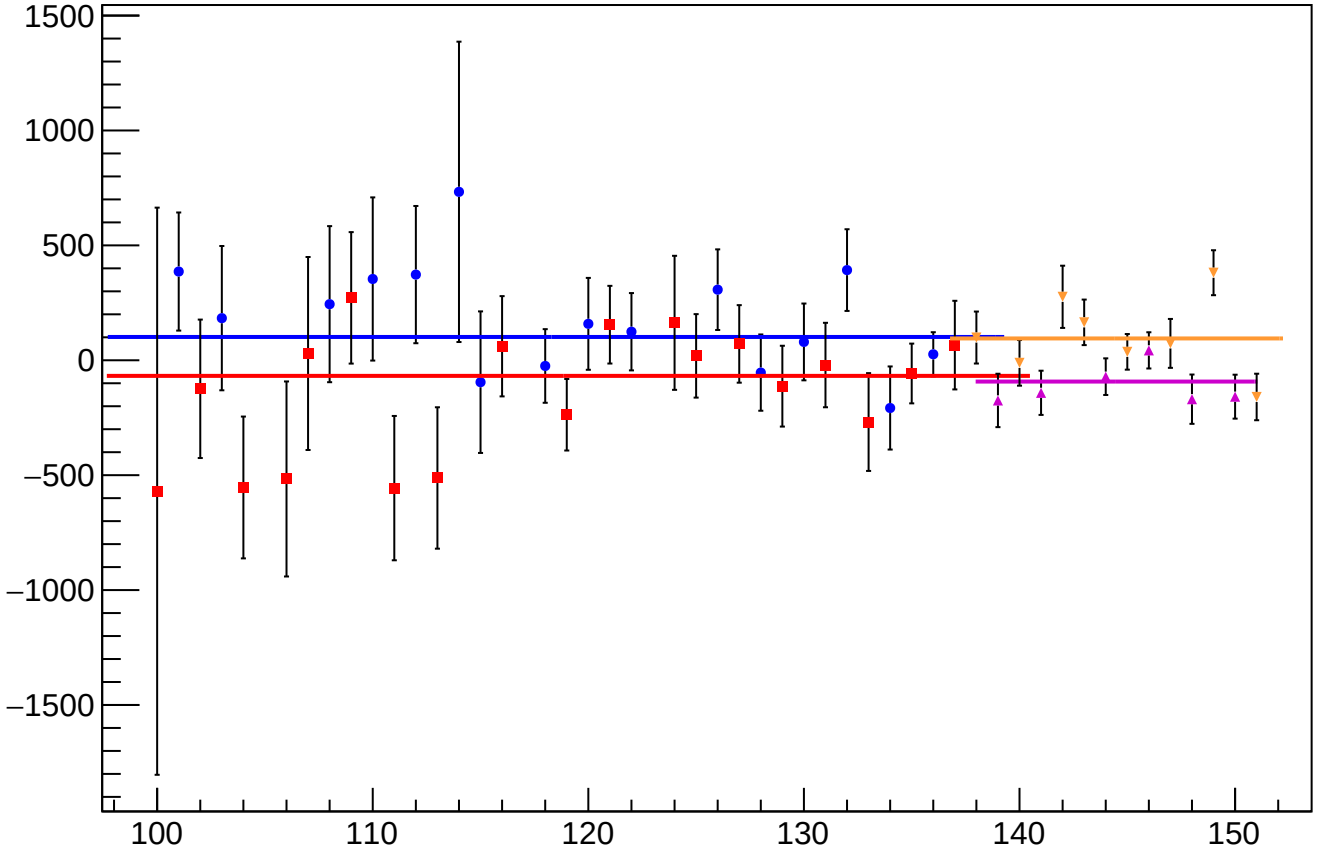
Left In: 486.419+/-0.159 χ^2/NDF:894580.9/5

+ sign 642.485+/-0.143 χ^2/NDF: 6406615.9/23

All: 630.142+/-0.102 χ^2/NDF: 13596183.7/48

- sign 617.321+/-0.146 χ^2/NDF: 7174399.8/24

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 94.996+/-35.512 χ^2/NDF:18.9/7

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

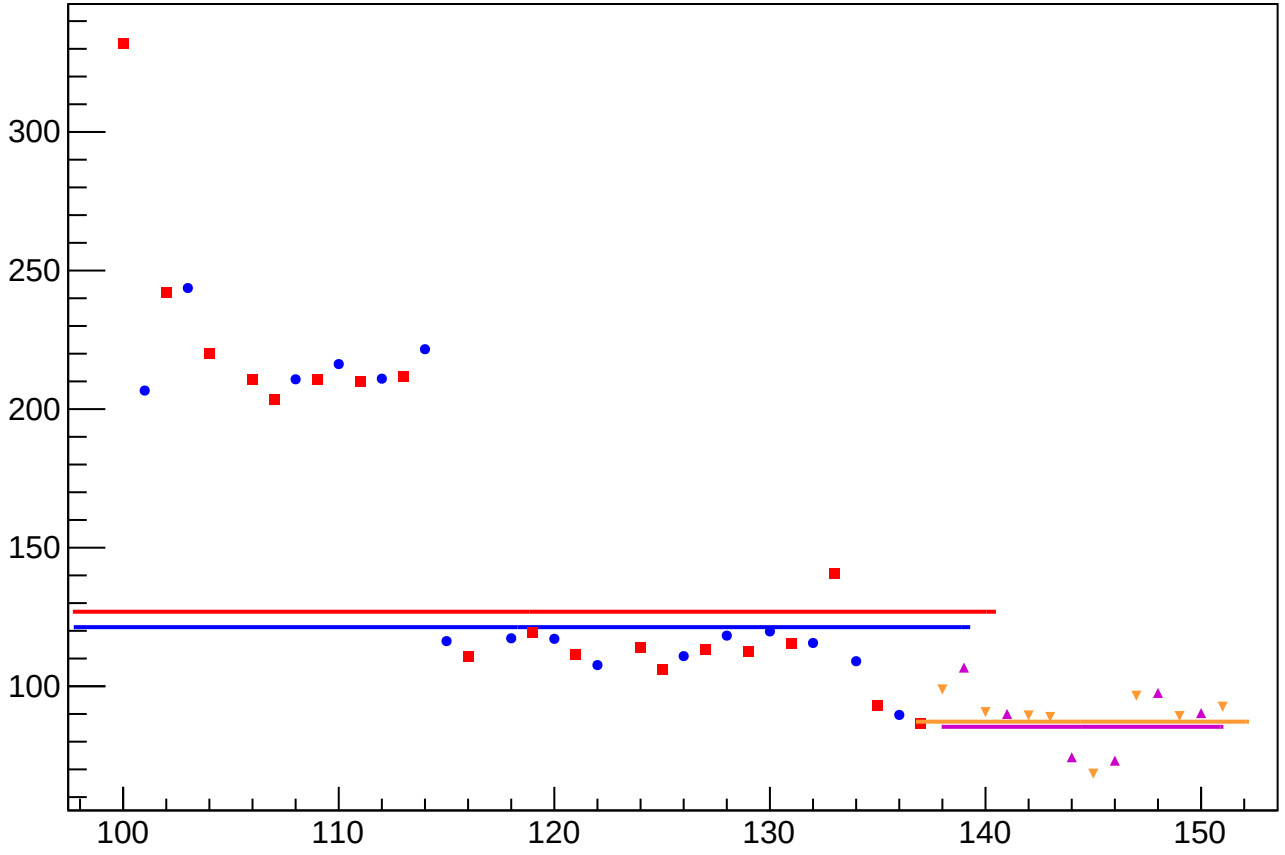
Left In: -92.658+/-37.877 χ^2/NDF:4.8/5

+ sign 97.300+/-28.470 χ^2/NDF: 32.3/23

All: 11.770+/-20.665 χ^2/NDF: 72.4/48

- sign -83.469+/-30.043 χ^2/NDF: 21.0/24

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 87.217+/-0.025 χ^2/NDF:163706.3/7

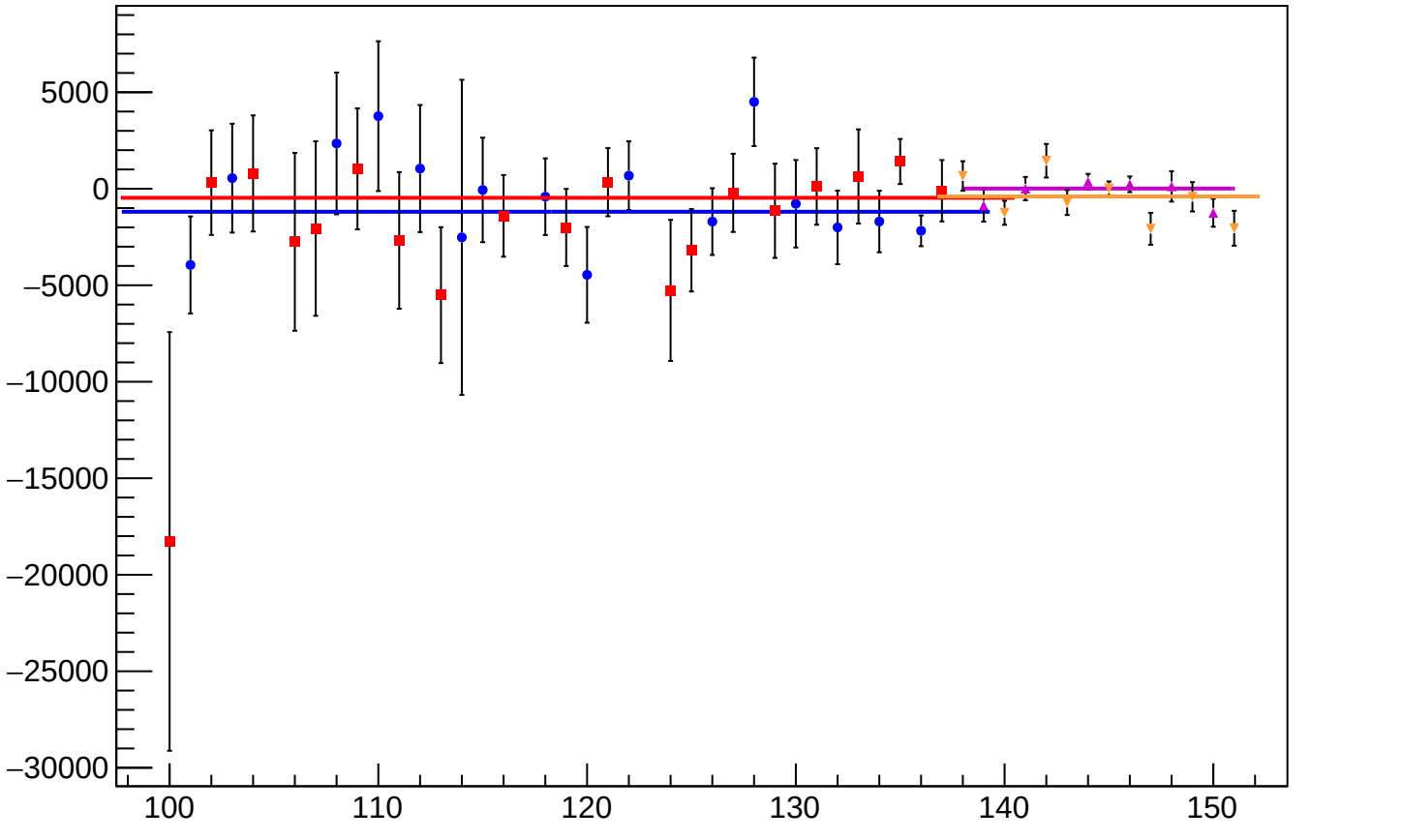
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 85.364+/-0.027 χ^2/NDF:189789.8/5

+ sign 99.403+/-0.020 χ^2/NDF: 2109548.5/23

All: 100.049+/-0.015 χ^2/NDF: 4658763.9/48

- sign 100.768+/-0.021 χ^2/NDF: 2547041.3/24



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -398.874+/-223.293 χ^2/NDF:17.3/7

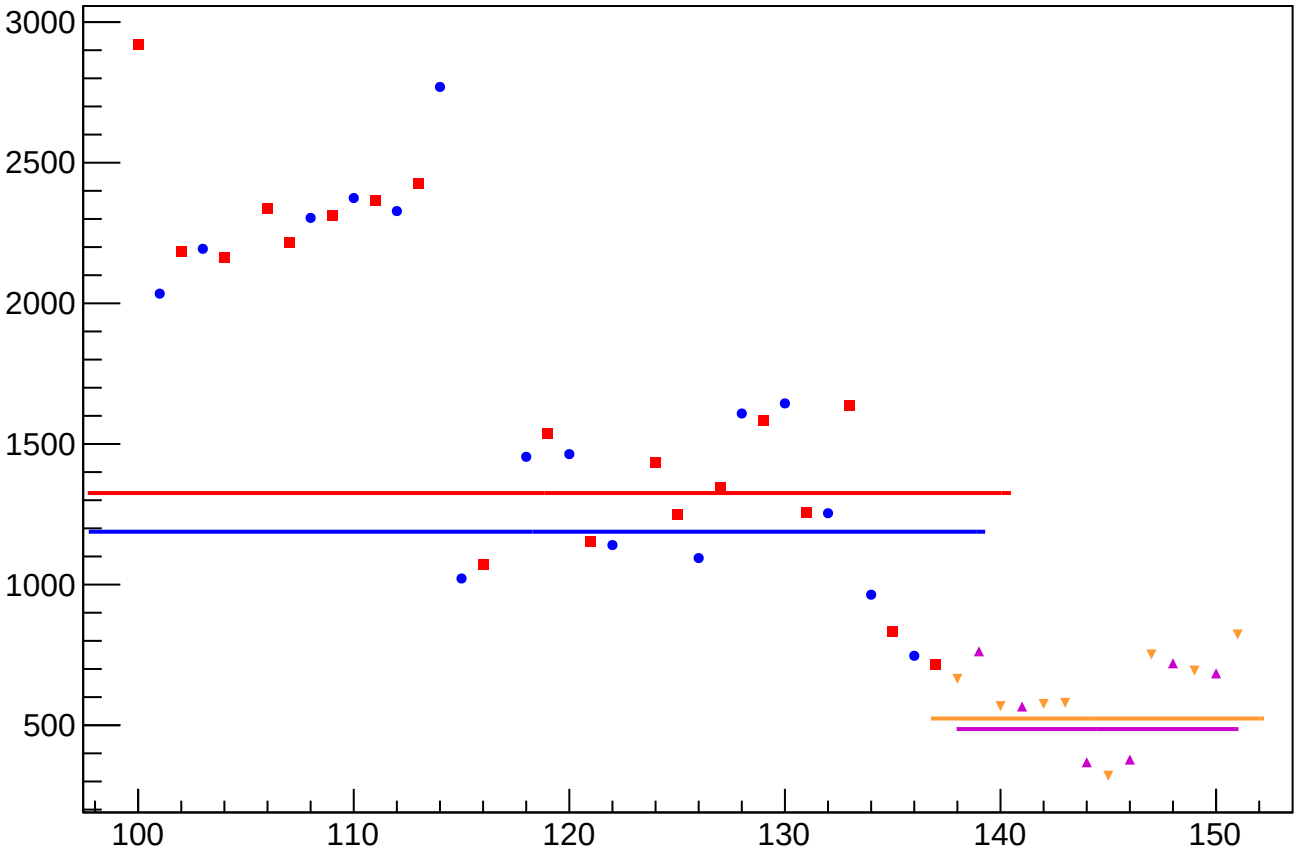
Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: 10.242+/-224.503 χ^2/NDF:5.2/5

+ sign -540.530+/-202.376 χ^2/NDF: 35.5/23

All: -307.092+/-144.452 χ^2/NDF: 57.5/48

- sign -64.632+/-206.250 χ^2/NDF: 19.3/24



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 523.879+/-0.158 χ^2/NDF:1202011.7/7

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

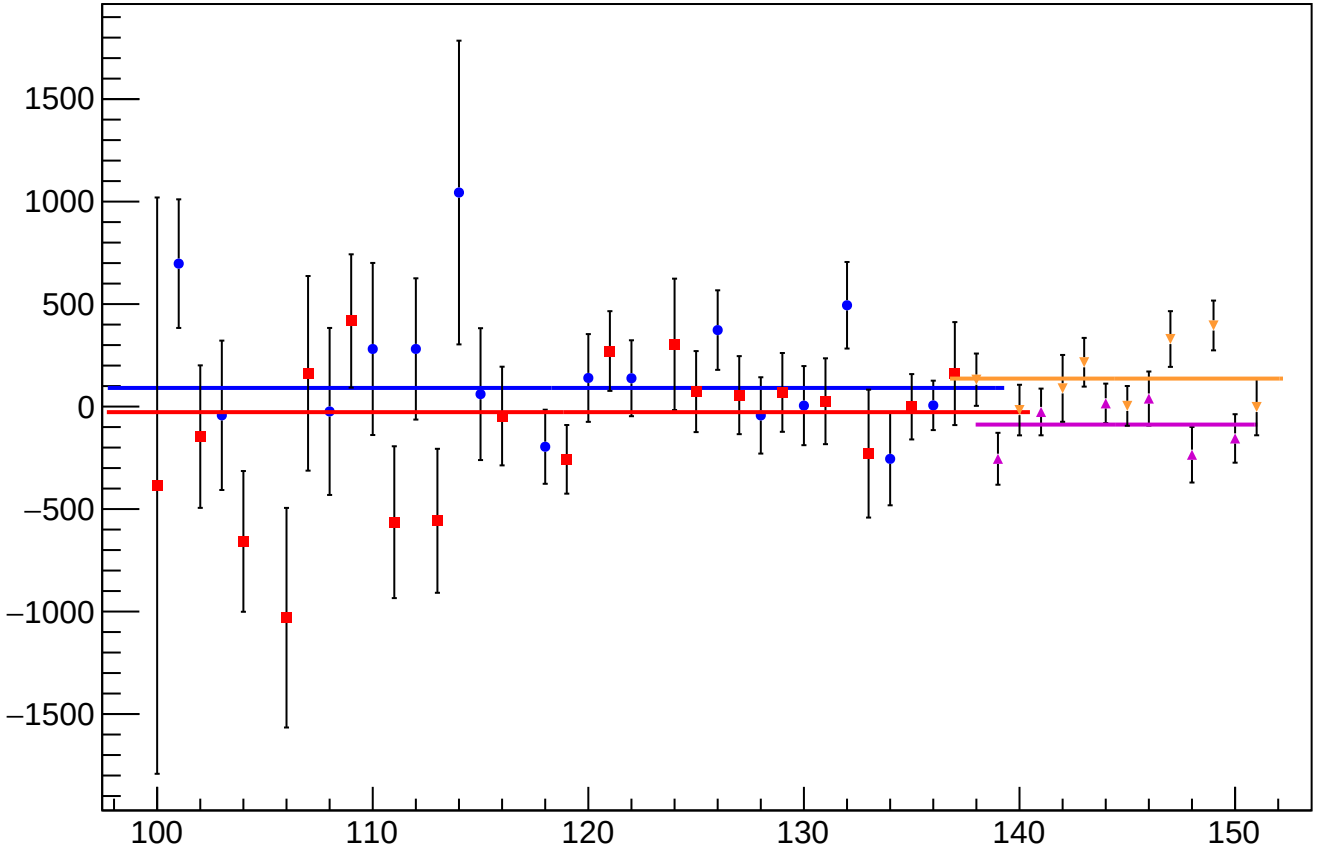
Left In: 486.419+/-0.159 χ^2/NDF:894580.9/5

+ sign 642.485+/-0.143 χ^2/NDF: 6406615.9/23

All: 630.142+/-0.102 χ^2/NDF: 13596183.7/48

- sign 617.321+/-0.146 χ^2/NDF: 7174399.8/24

dit_asym_sam_26_avg_mean vs Slug



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

Left Out: 136.556+/-44.010 χ^2/NDF:11.6/7

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

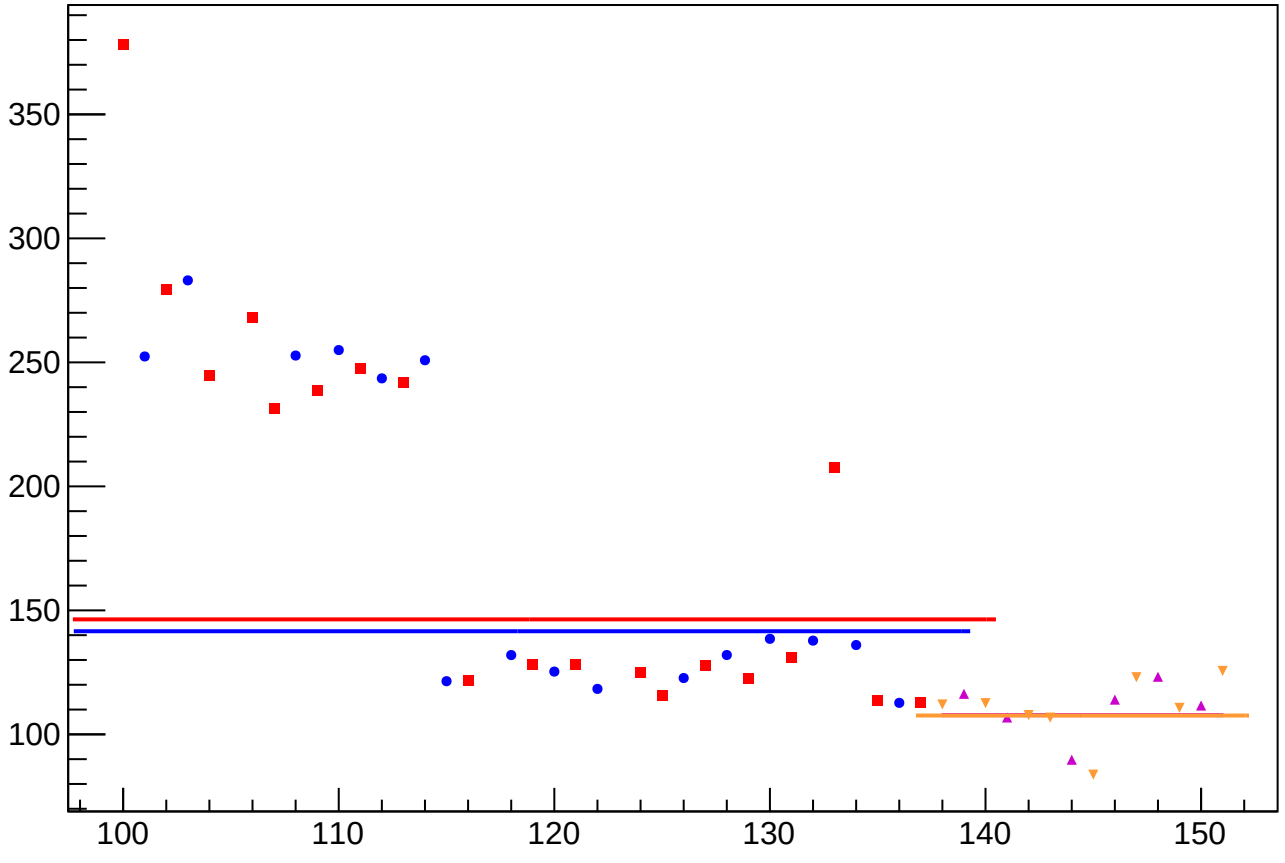
Left In: -87.858+/-48.181 χ^2/NDF:5.6/5

+ sign 118.959+/-34.499 χ^2/NDF: 30.0/23

All: 34.046+/-25.169 χ^2/NDF: 69.8/48

- sign -62.575+/-36.801 χ^2/NDF: 26.8/24

dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 107.603+/-0.031 χ^2/NDF:187663.1/7

Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

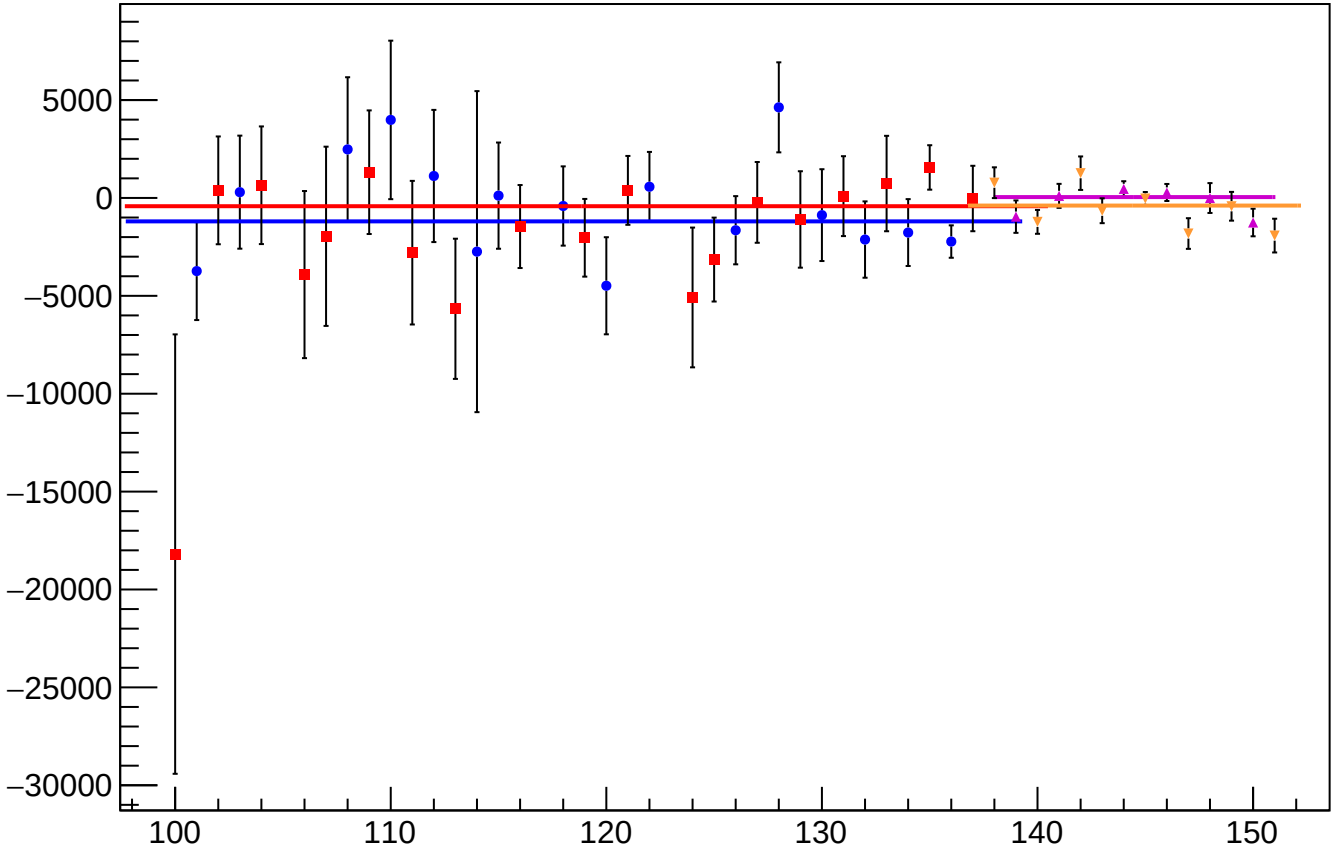
Left In: 107.757+/-0.034 χ^2/NDF:111894.6/5

+ sign 120.704+/-0.024 χ^2/NDF: 1909729.3/23

All: 122.172+/-0.018 χ^2/NDF: 4078127.4/48

- sign 123.843+/-0.026 χ^2/NDF: 2160652.2/24

asym_sam_26_avg_dit_correction_mean vs Slug



Right In: -1196.663+/-491.384 χ^2/NDF: 16.0/15

Left Out: -389.333+/-213.375 χ^2/NDF:15.6/7

Right Out: -422.161+/-523.834 χ^2/NDF: 14.3/18

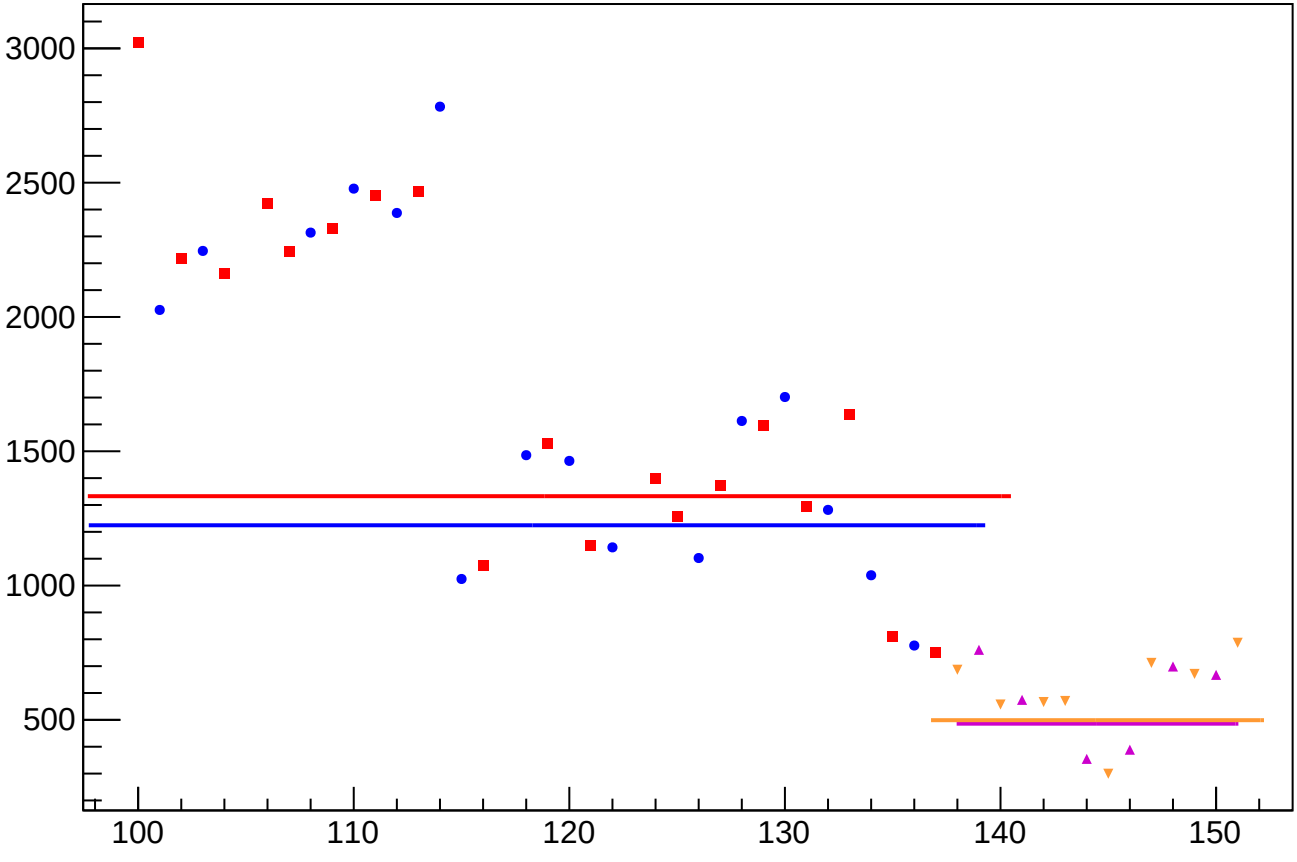
Left In: 44.030+/-225.479 χ^2/NDF:6.3/5

+ sign -517.412+/-195.719 χ^2/NDF: 33.9/23

All: -286.929+/-142.250 χ^2/NDF: 58.1/48

- sign -28.843+/-207.108 χ^2/NDF: 21.2/24

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1224.470+/-0.347 χ^2/NDF: 1959362.3/15

Left Out: 498.778+/-0.151 χ^2/NDF:1364921.1/7

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

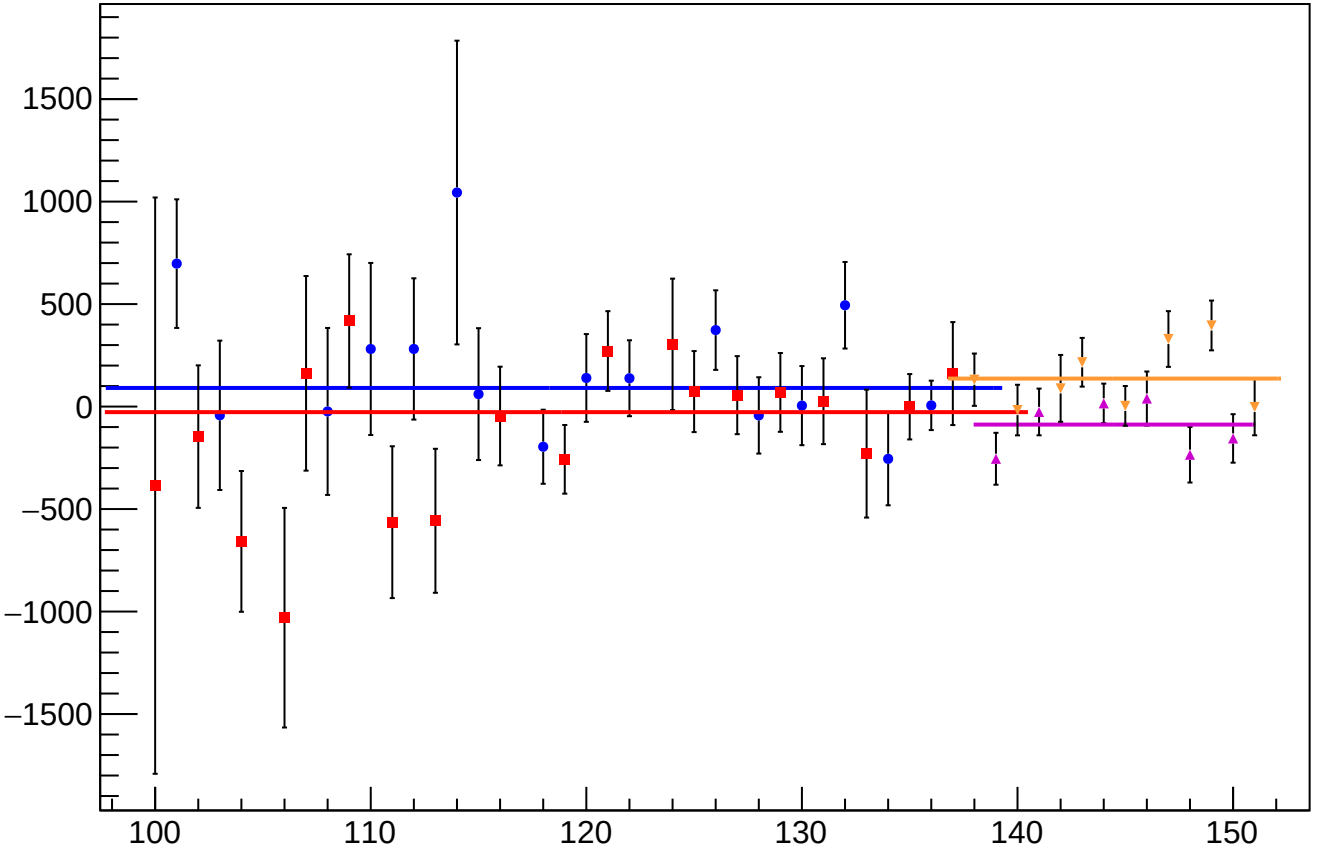
Left In: 485.841+/-0.159 χ^2/NDF:874694.1/5

+ sign 613.905+/-0.138 χ^2/NDF: 6994333.5/23

All: 615.946+/-0.101 χ^2/NDF: 14275246.9/48

- sign 618.232+/-0.146 χ^2/NDF: 7280452.4/24

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 136.555+/-44.010 χ^2/NDF:11.6/7

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

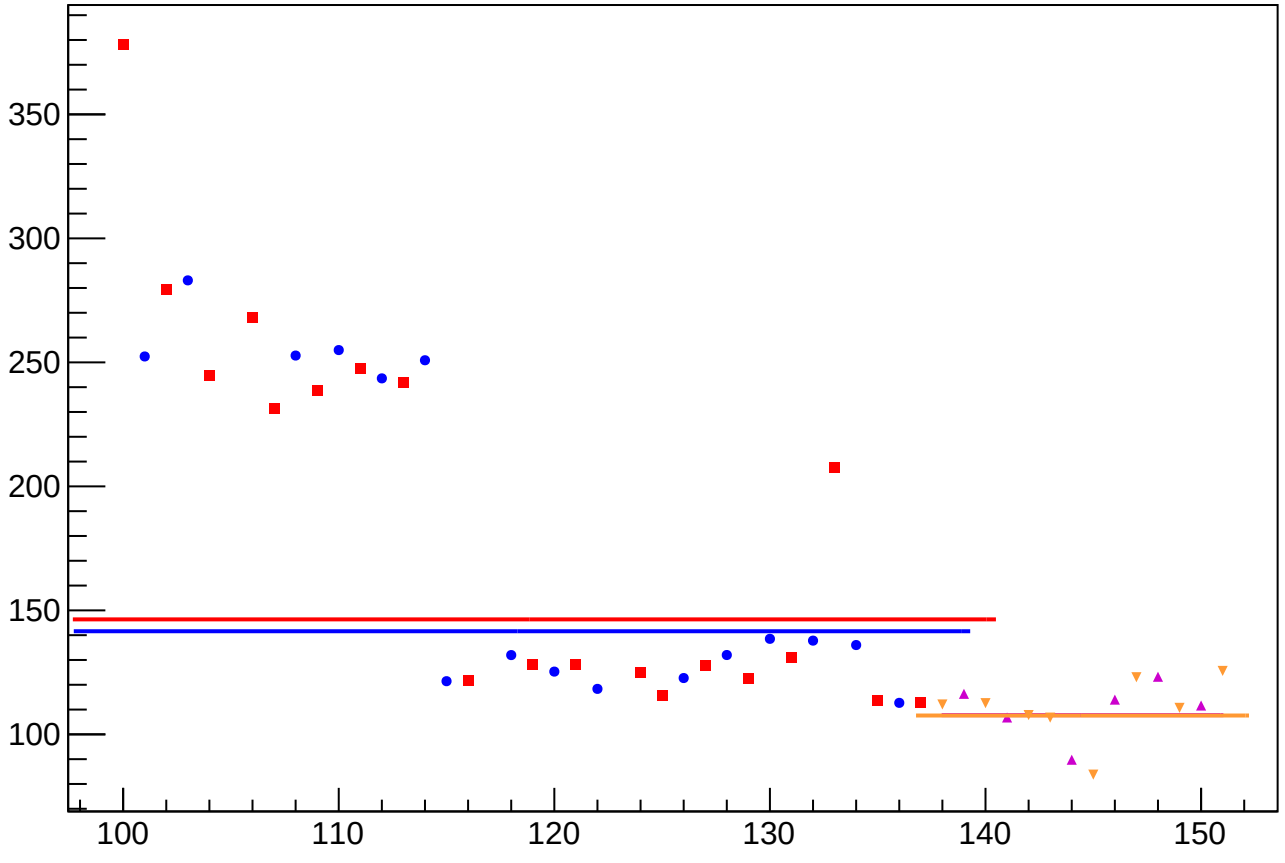
Left In: -87.857+/-48.181 χ^2/NDF:5.6/5

+ sign 118.959+/-34.499 χ^2/NDF: 30.0/23

All: 34.046+/-25.169 χ^2/NDF: 69.8/48

- sign -62.574+/-36.801 χ^2/NDF: 26.8/24

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 107.604+/-0.031 χ^2/NDF:187655.2/7

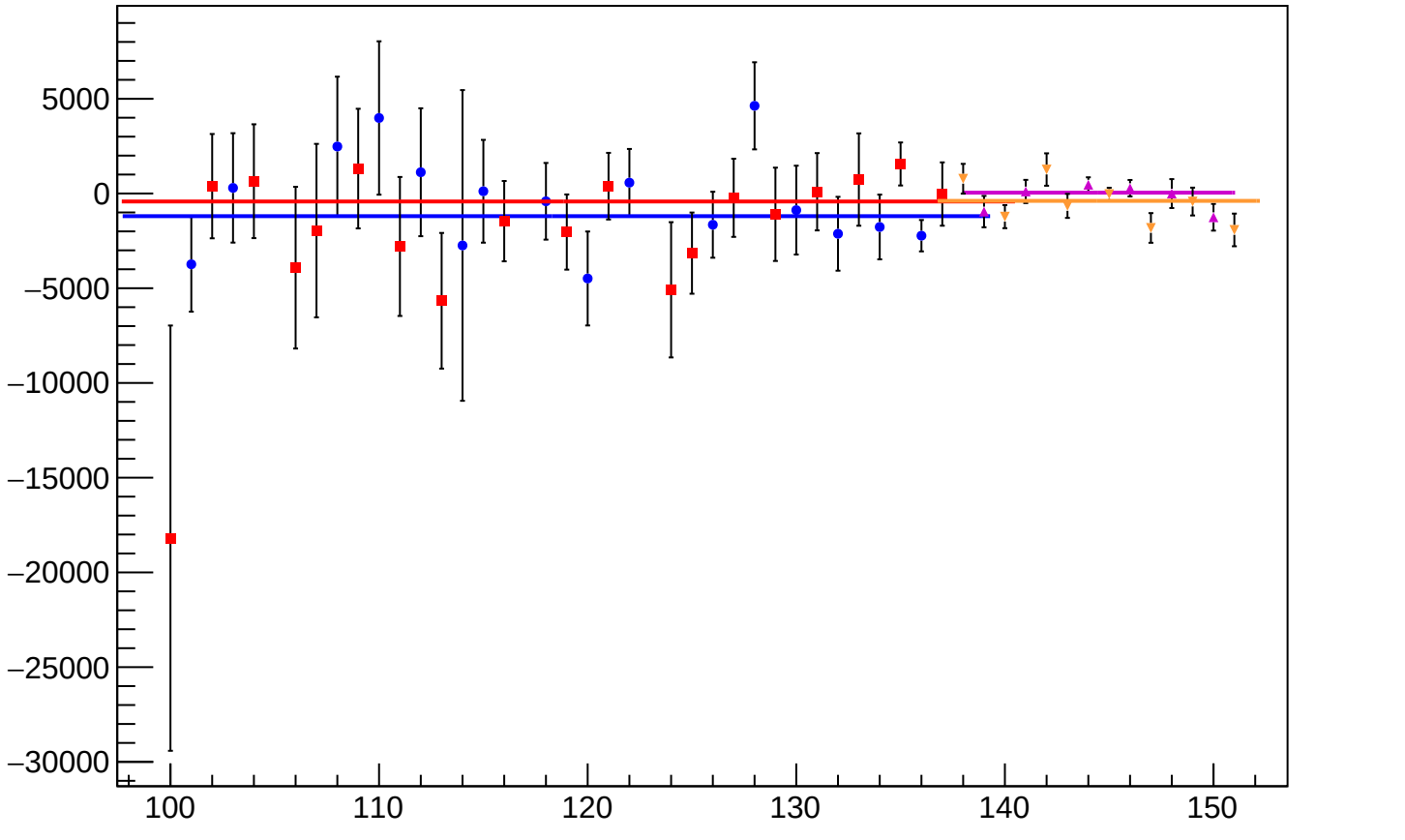
Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 107.758+/-0.034 χ^2/NDF:111891.6/5

+ sign 120.704+/-0.024 χ^2/NDF: 1909672.5/23

All: 122.172+/-0.018 χ^2/NDF: 4078028.3/48

- sign 123.843+/-0.026 χ^2/NDF: 2160609.7/24



Right In: -1196.659+/-491.383 χ^2/NDF: 16.0/15

Left Out: -389.332+/-213.374 χ^2/NDF:15.6/7

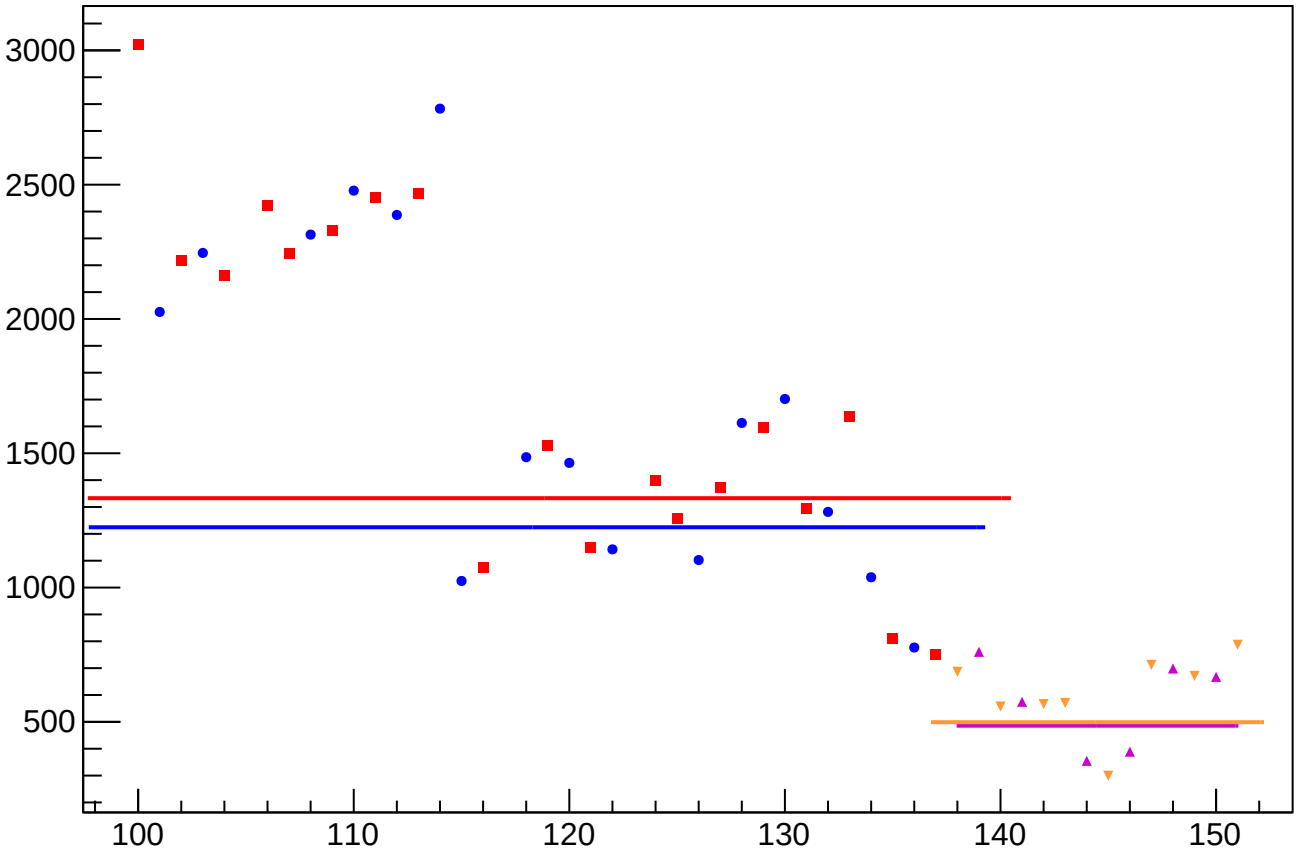
Right Out: -422.163+/-523.833 χ^2/NDF: 14.3/18

Left In: 44.031+/-225.479 χ^2/NDF:6.3/5

+ sign -517.409+/-195.718 χ^2/NDF: 33.9/23

All: -286.928+/-142.250 χ^2/NDF: 58.1/48

- sign -28.843+/-207.107 χ^2/NDF: 21.2/24



Right In: 1224.470+/-0.347 χ^2/NDF: 1959341.1/15

Left Out: 498.776+/-0.151 χ^2/NDF:1364952.7/7

Right Out: 1332.784+/-0.370 χ^2/NDF: 1994794.3/18

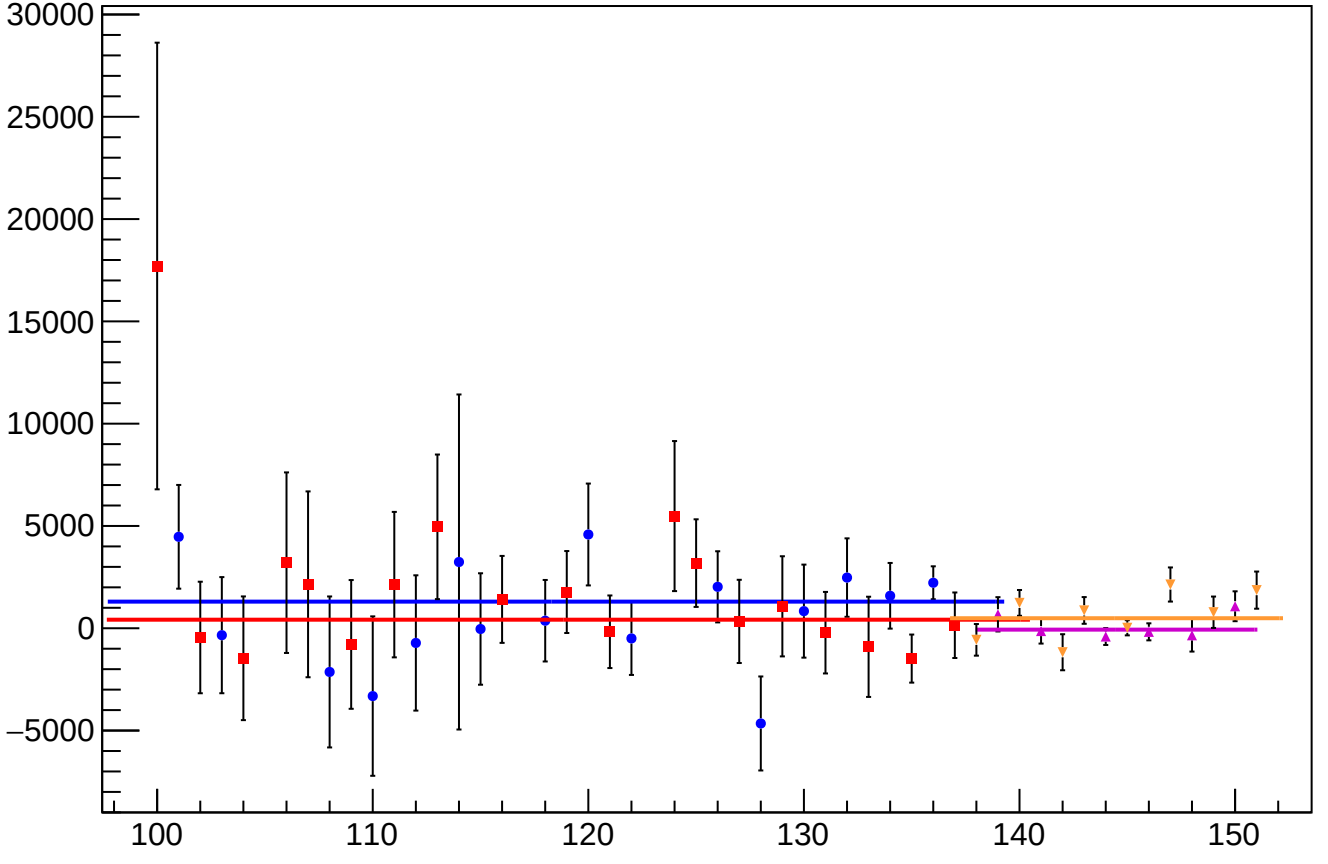
Left In: 485.839+/-0.159 χ^2/NDF:874700.5/5

+ sign 613.902+/-0.138 χ^2/NDF: 6994376.5/23

All: 615.944+/-0.101 χ^2/NDF: 14275298.9/48

- sign 618.230+/-0.146 χ^2/NDF: 7280461.1/24

asym_sam_26_avg_mean vs Slug



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 490.562+/-226.809 χ^2/NDF:15.1/7

Right Out: 418.283+/-524.515 χ^2/NDF: 13.0/18

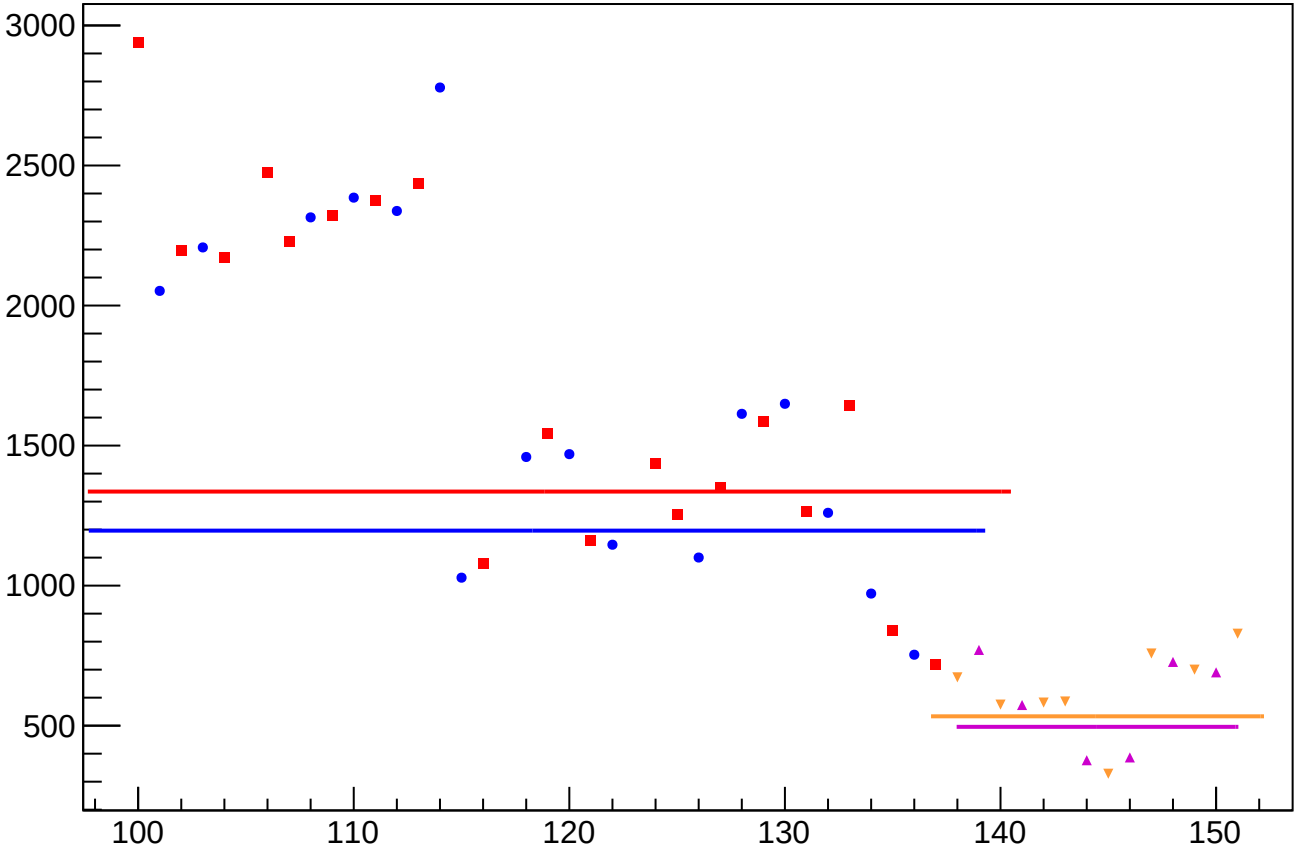
Left In: -67.451+/-228.408 χ^2/NDF:4.1/5

+ sign 637.615+/-205.220 χ^2/NDF: 33.9/23

All: 330.143+/-146.573 χ^2/NDF: 56.3/48

- sign 9.976+/-209.414 χ^2/NDF: 17.9/24

asym_sam_26_avg_rms vs Slug



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 533.351+/-0.160 χ^2/NDF:1153268.1/7

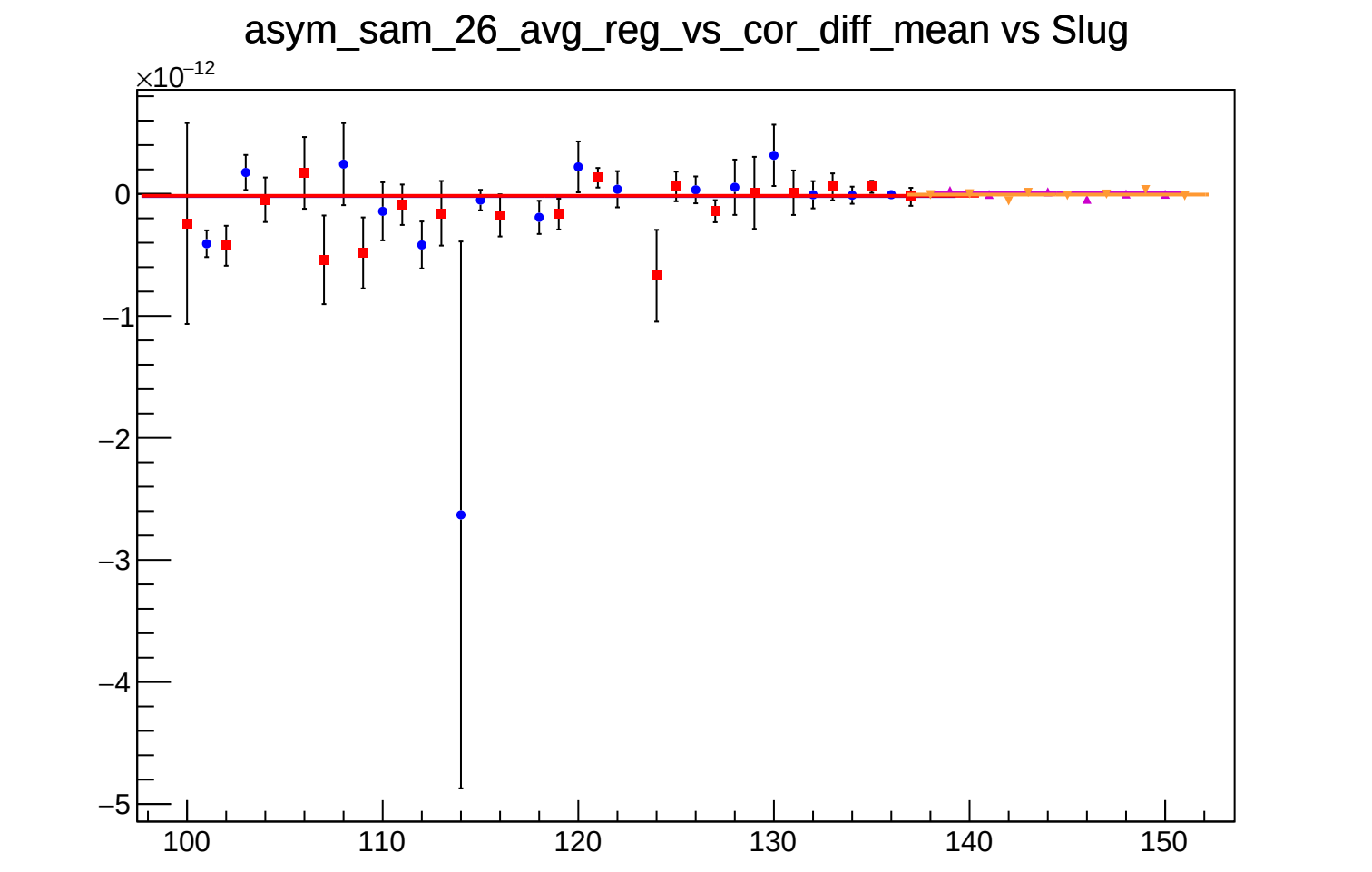
Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 495.823+/-0.162 χ^2/NDF:862820.8/5

+ sign 653.559+/-0.145 χ^2/NDF: 6283538.0/23

All: 641.880+/-0.104 χ^2/NDF: 13422731.1/48

- sign 629.718+/-0.148 χ^2/NDF: 7125970.0/24



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.1/7

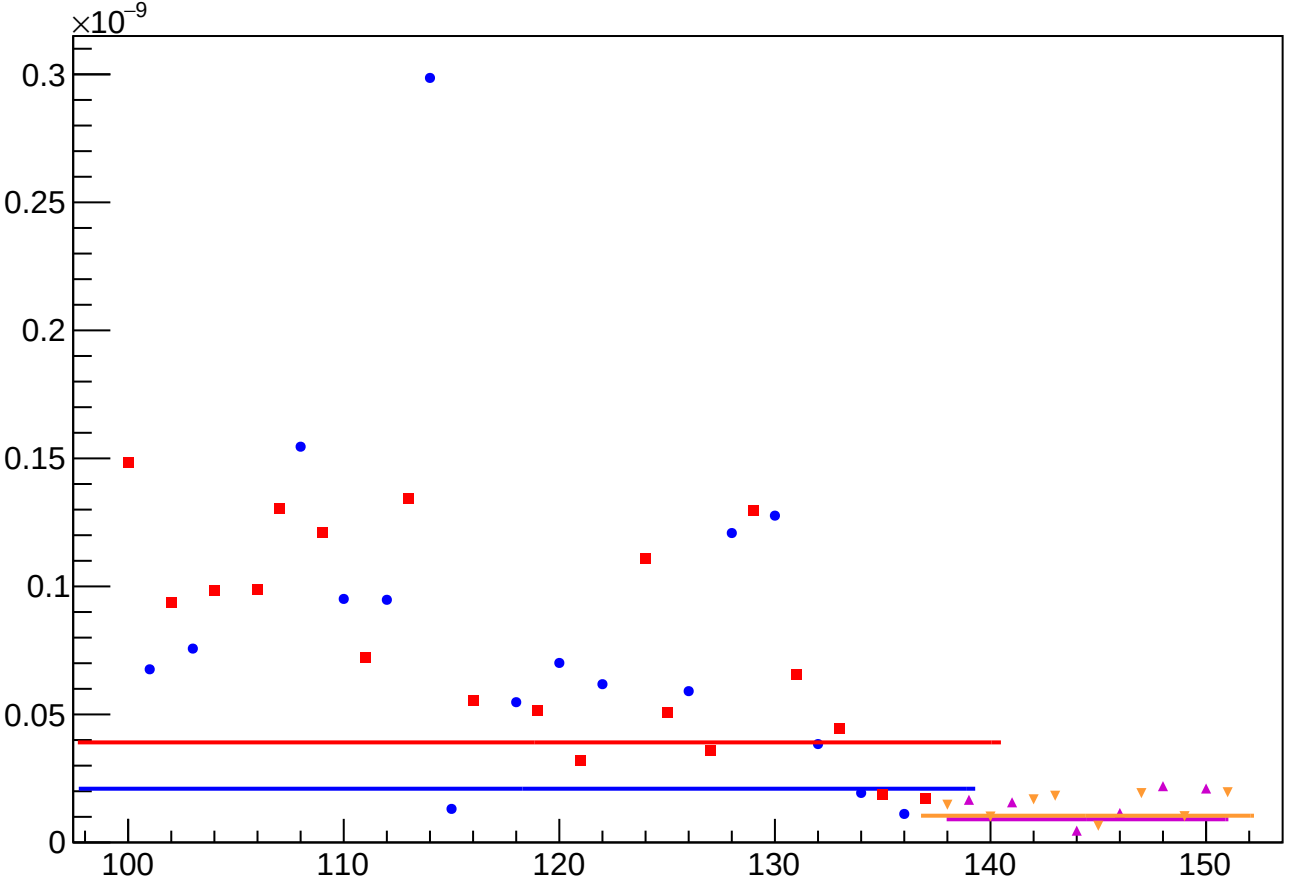
Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: 0.000+/-0.000 χ^2/NDF:9.7/5

+ sign -0.000+/-0.000 χ^2/NDF: 33.3/23

All: -0.000+/-0.000 χ^2/NDF: 70.4/48

- sign 0.000+/-0.000 χ^2/NDF: 35.8/24



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:816127.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

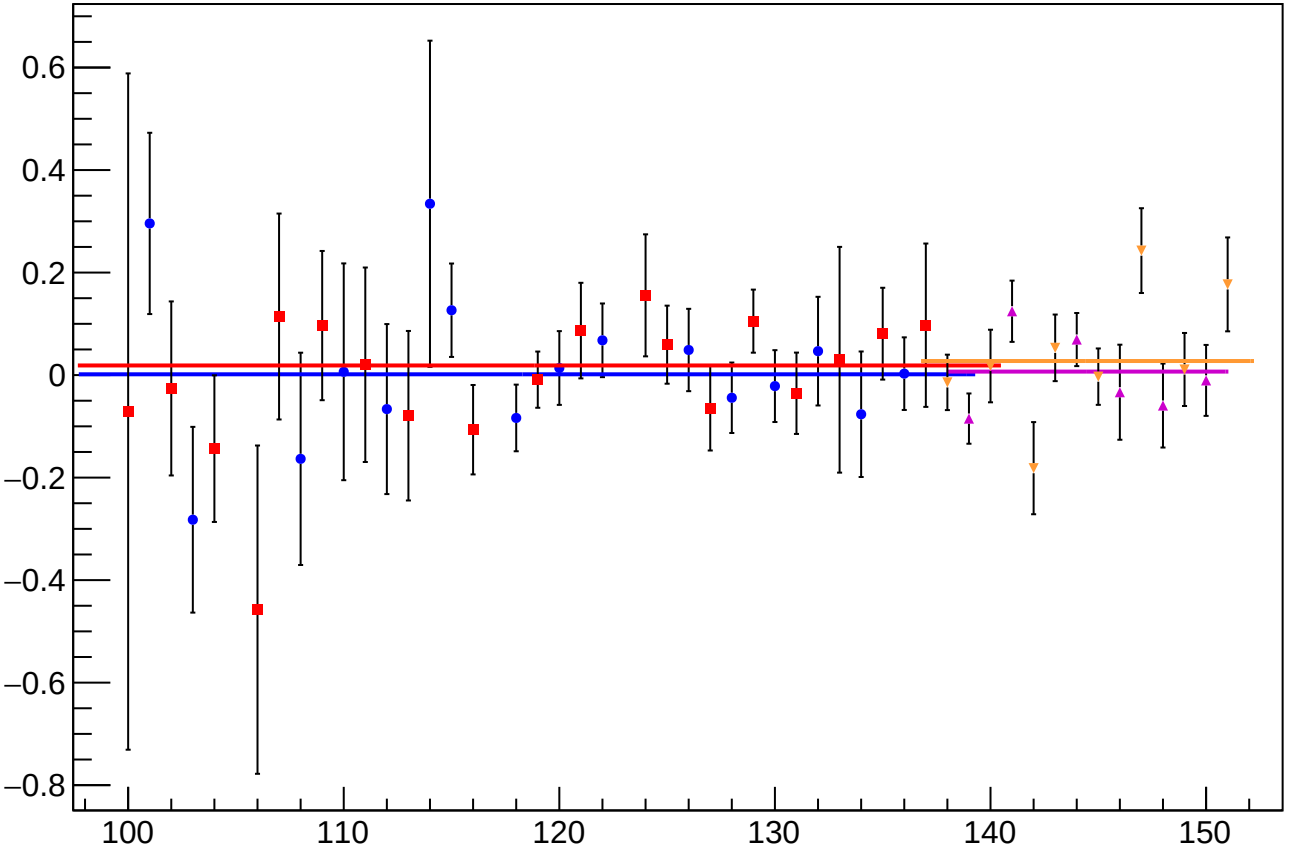
Left In: 0.000+/-0.000 χ^2/NDF:1279592.7/5

+ sign 0.000+/-0.000 χ^2/NDF: 4798198.4/23

All: 0.000+/-0.000 χ^2/NDF: 10383125.9/48

- sign 0.000+/-0.000 χ^2/NDF: 5567901.1/24

asym_sam_26_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.027+/-0.024 χ^2/NDF:16.0/7

Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

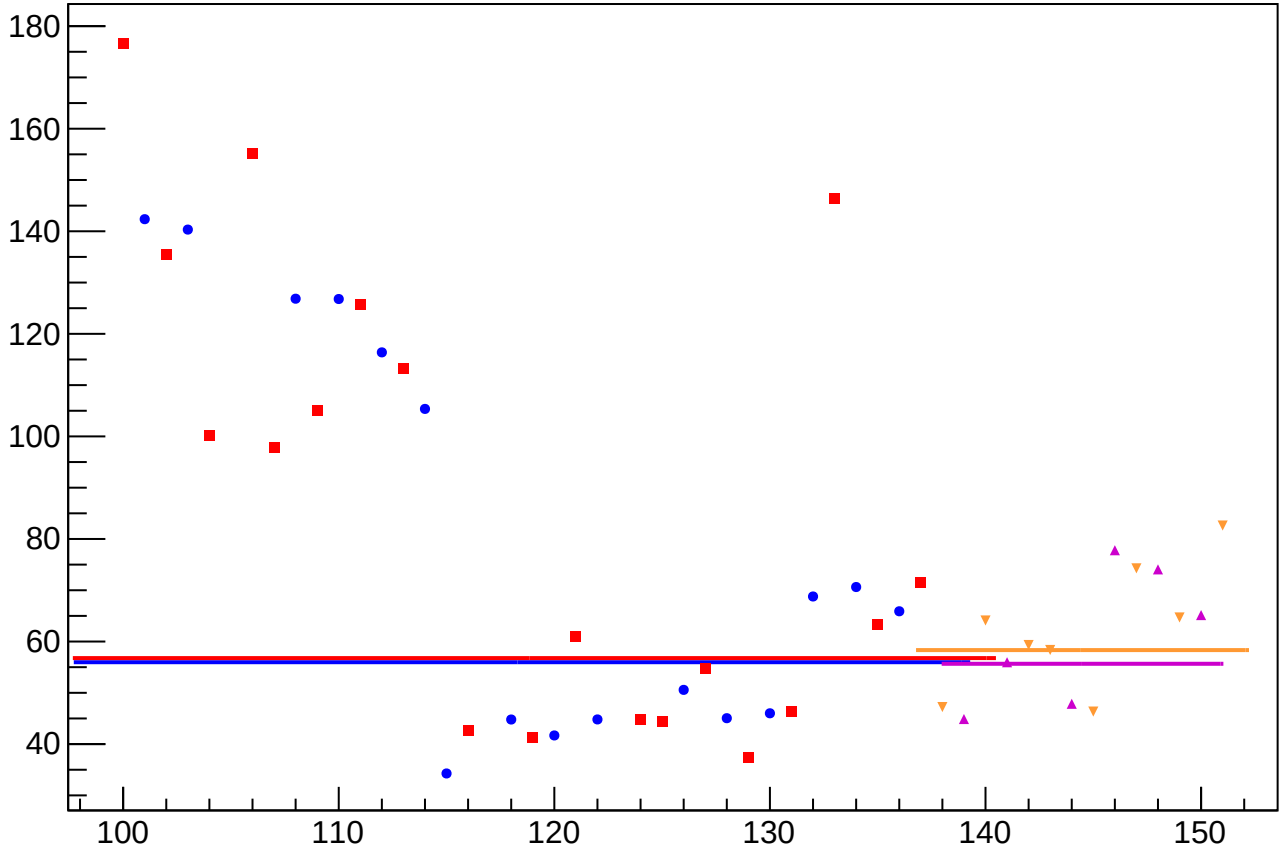
Left In: 0.007+/-0.025 χ^2/NDF:9.7/5

+ sign 0.014+/-0.017 χ^2/NDF: 29.7/23

All: 0.014+/-0.012 χ^2/NDF: 52.6/48

- sign 0.013+/-0.017 χ^2/NDF: 23.0/24

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: 58.331+/-0.017 χ^2/NDF:423792.6/7

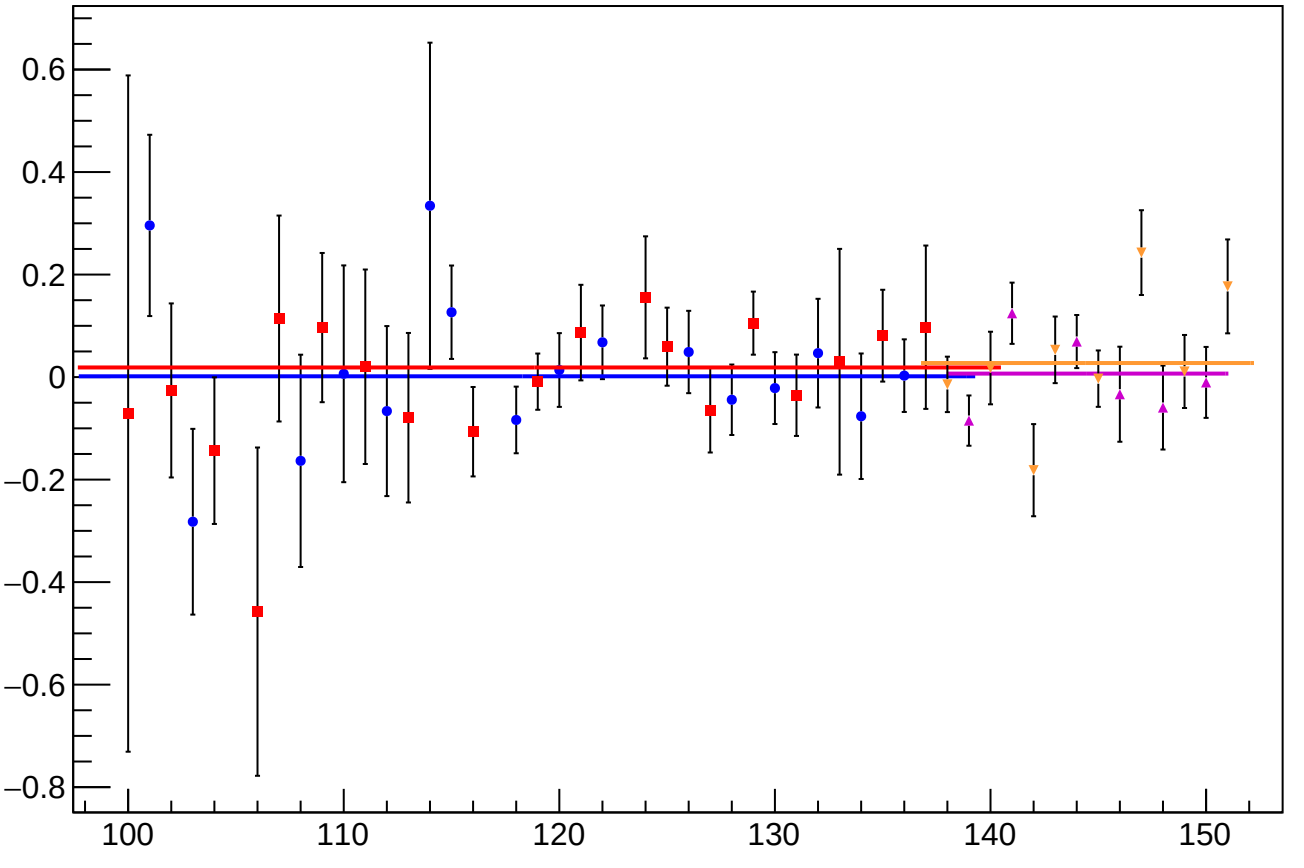
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 55.662+/-0.018 χ^2/NDF:394667.8/5

+ sign 57.106+/-0.012 χ^2/NDF: 2613428.8/23

All: 56.693+/-0.009 χ^2/NDF: 5565825.0/48

- sign 56.260+/-0.012 χ^2/NDF: 2949937.0/24



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.027+/-0.024 χ^2/NDF:16.0/7

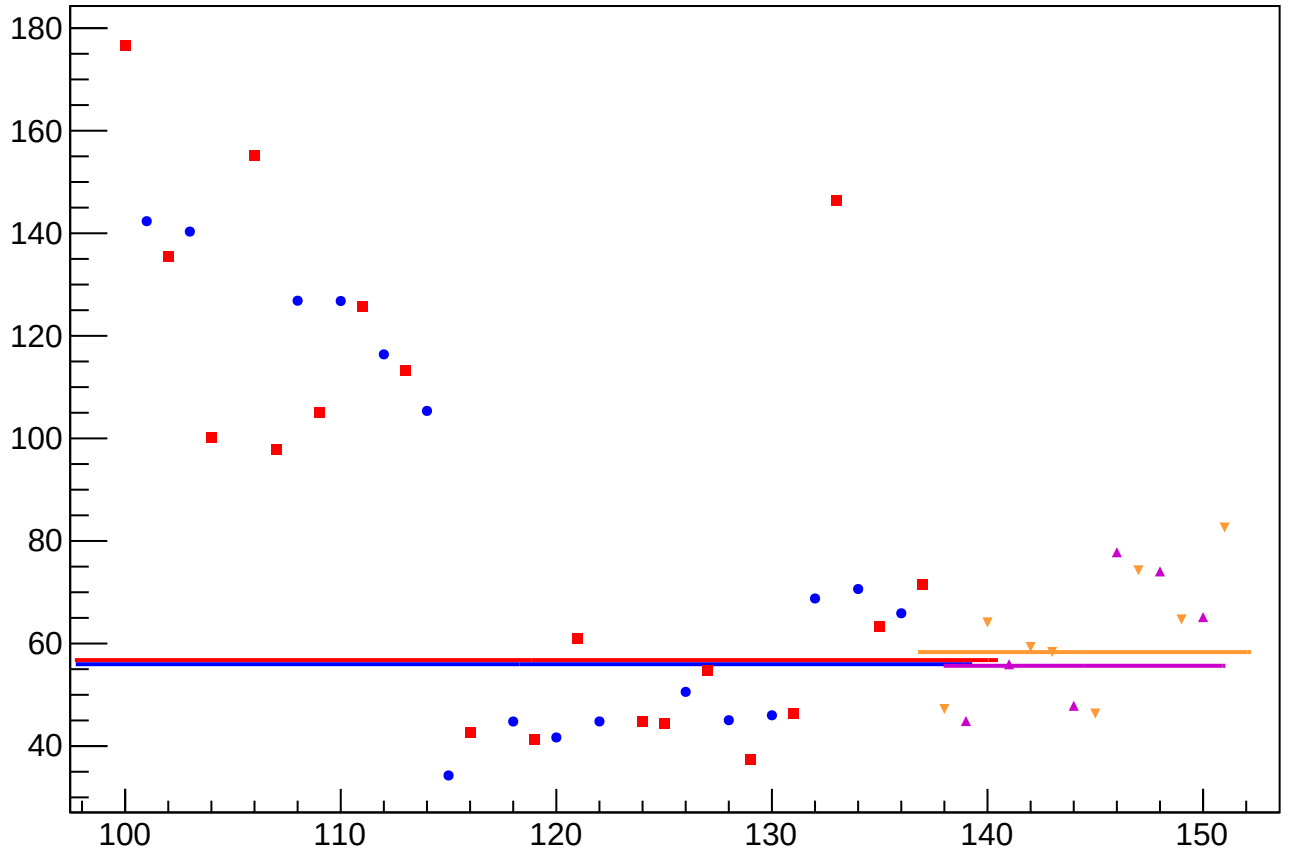
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.007+/-0.025 χ^2/NDF:9.7/5

+ sign 0.014+/-0.017 χ^2/NDF: 29.7/23

All: 0.014+/-0.012 χ^2/NDF: 52.6/48

- sign 0.013+/-0.017 χ^2/NDF: 23.0/24



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 58.331+/-0.017 χ^2/NDF:423792.6/7

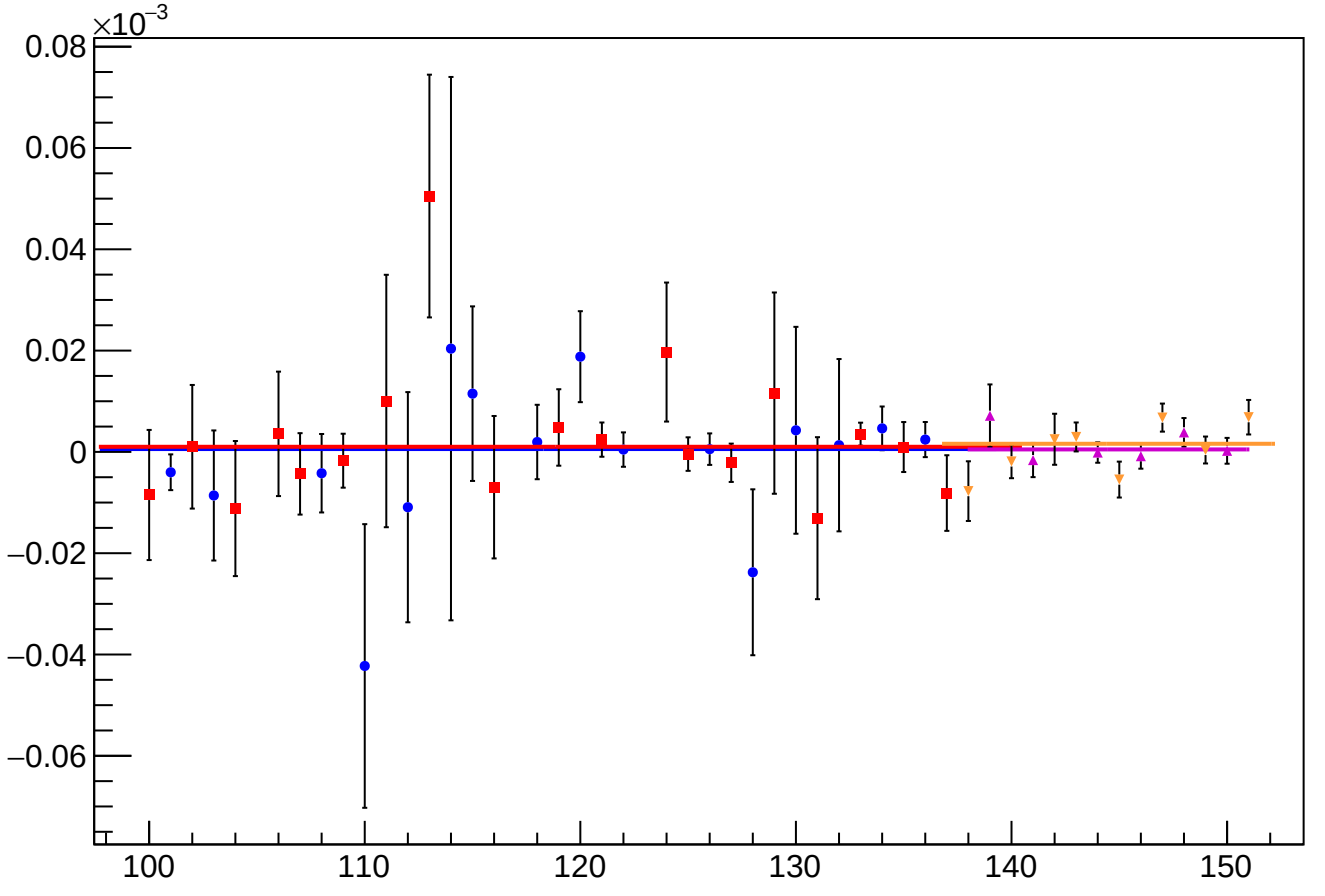
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 55.662+/-0.018 χ^2/NDF:394667.8/5

+ sign 57.106+/-0.012 χ^2/NDF: 2613428.8/23

All: 56.693+/-0.009 χ^2/NDF: 5565825.0/48

- sign 56.260+/-0.012 χ^2/NDF: 2949937.0/24



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

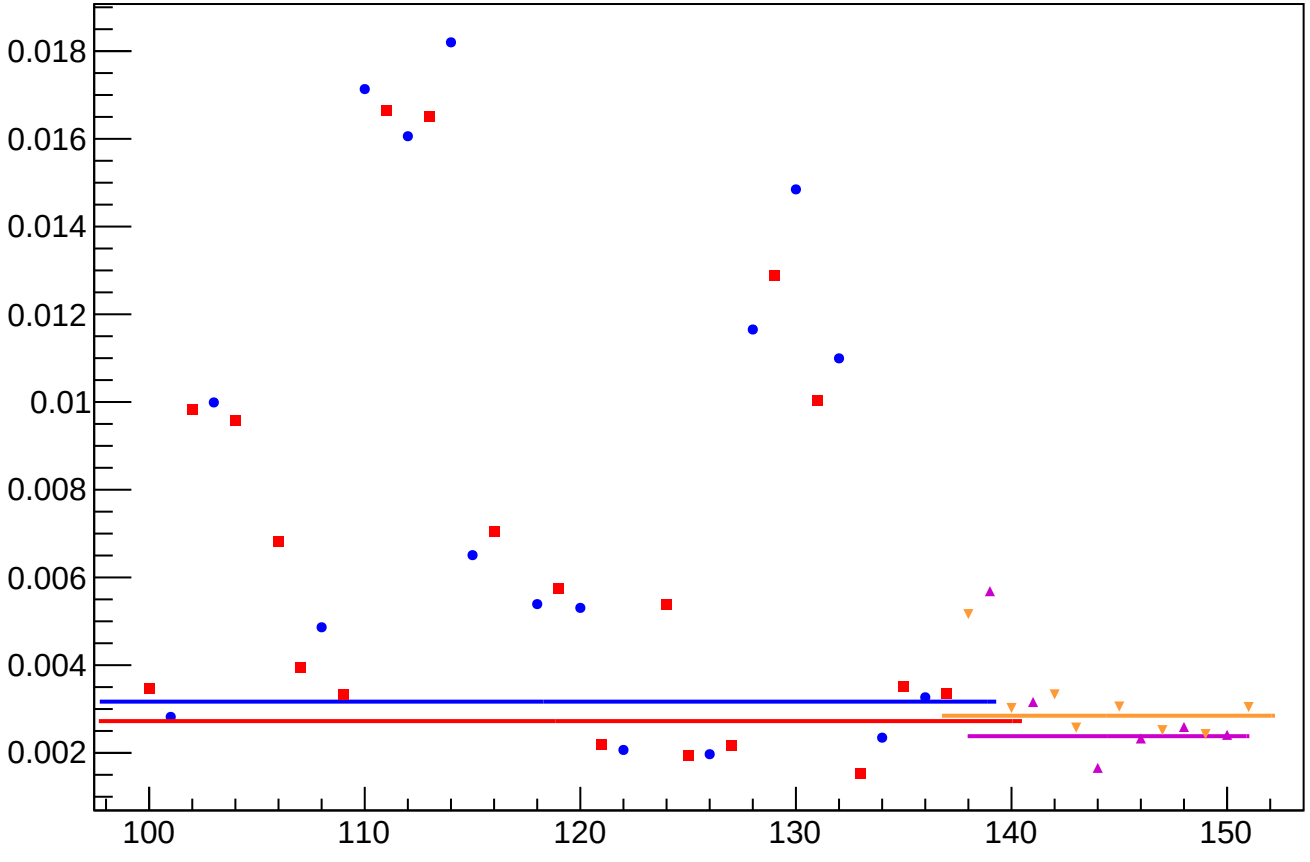
Left In: 0.000+/-0.000 χ^2/NDF:3.4/5

+ sign 0.000+/-0.000 χ^2/NDF: 27.5/23

All: 0.000+/-0.000 χ^2/NDF: 44.9/48

- sign 0.000+/-0.000 χ^2/NDF: 17.3/24

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:443158.5/7

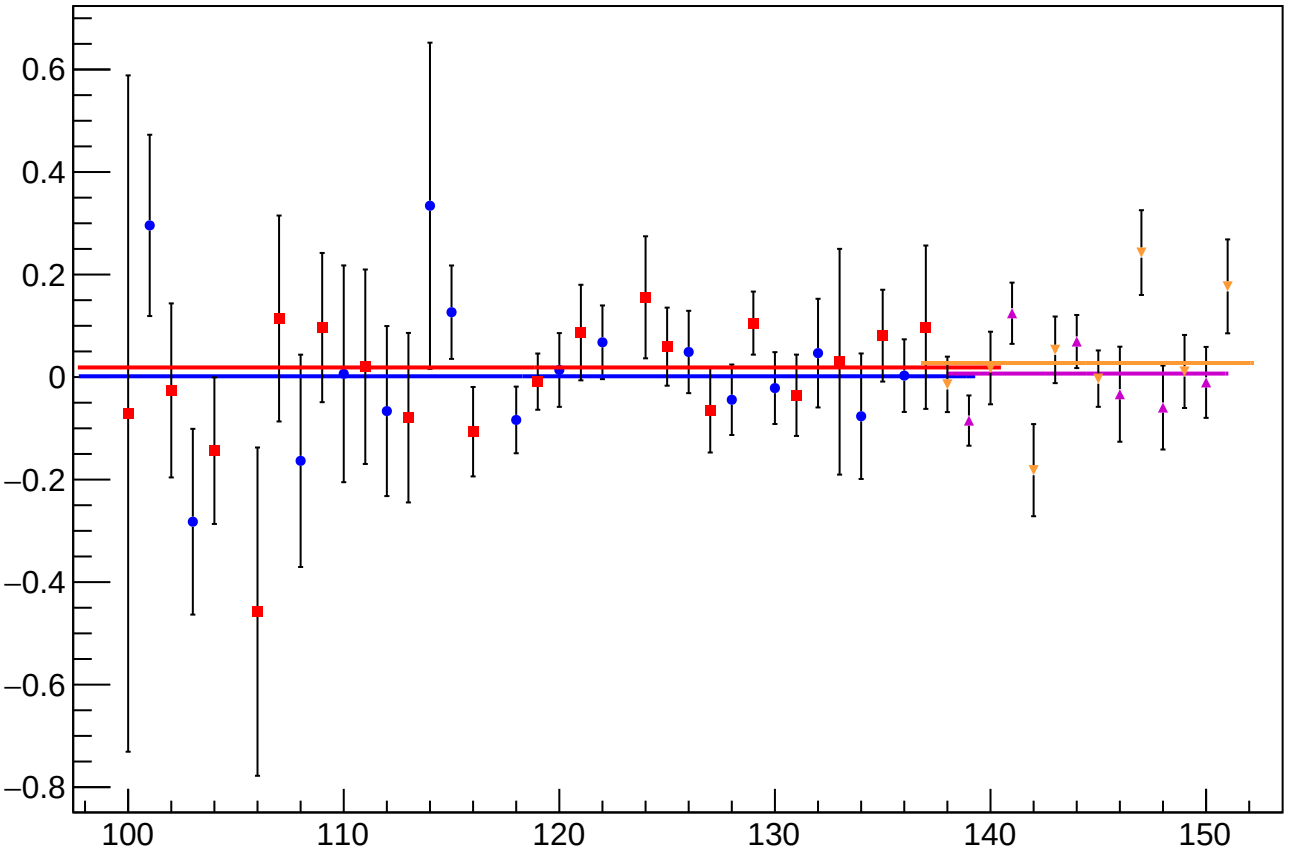
Right Out: 0.003+/-0.000 χ^2/NDF: 5153213.6/18

Left In: 0.002+/-0.000 χ^2/NDF:947507.2/5

+ sign 0.003+/-0.000 χ^2/NDF: 5047835.0/23

All: 0.003+/-0.000 χ^2/NDF: 11488560.2/48

- sign 0.003+/-0.000 χ^2/NDF: 6183068.4/24



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.027+/-0.024 χ^2/NDF:16.0/7

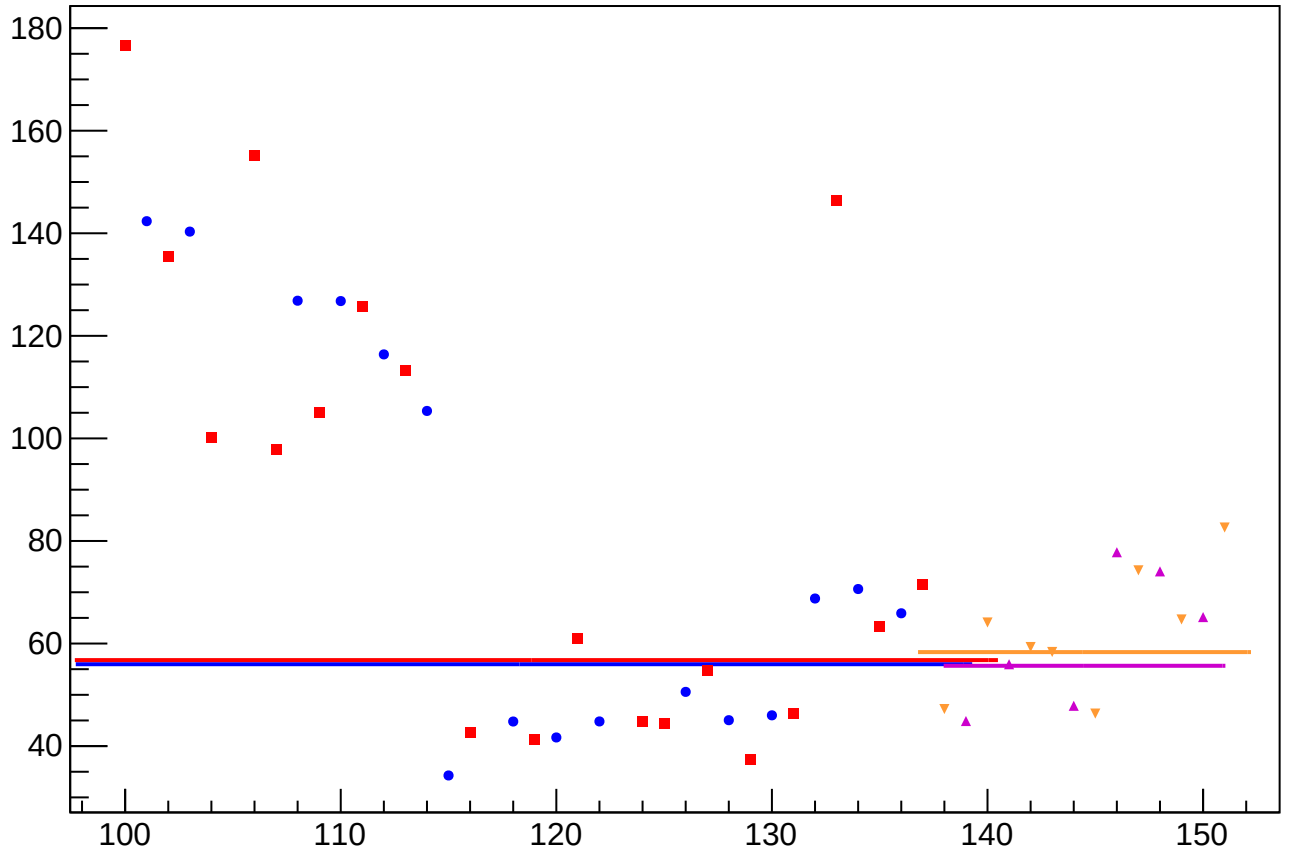
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.007+/-0.025 χ^2/NDF:9.7/5

+ sign 0.014+/-0.017 χ^2/NDF: 29.7/23

All: 0.014+/-0.012 χ^2/NDF: 52.6/48

- sign 0.013+/-0.017 χ^2/NDF: 23.0/24



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 58.332+/-0.017 χ^2/NDF:423790.8/7

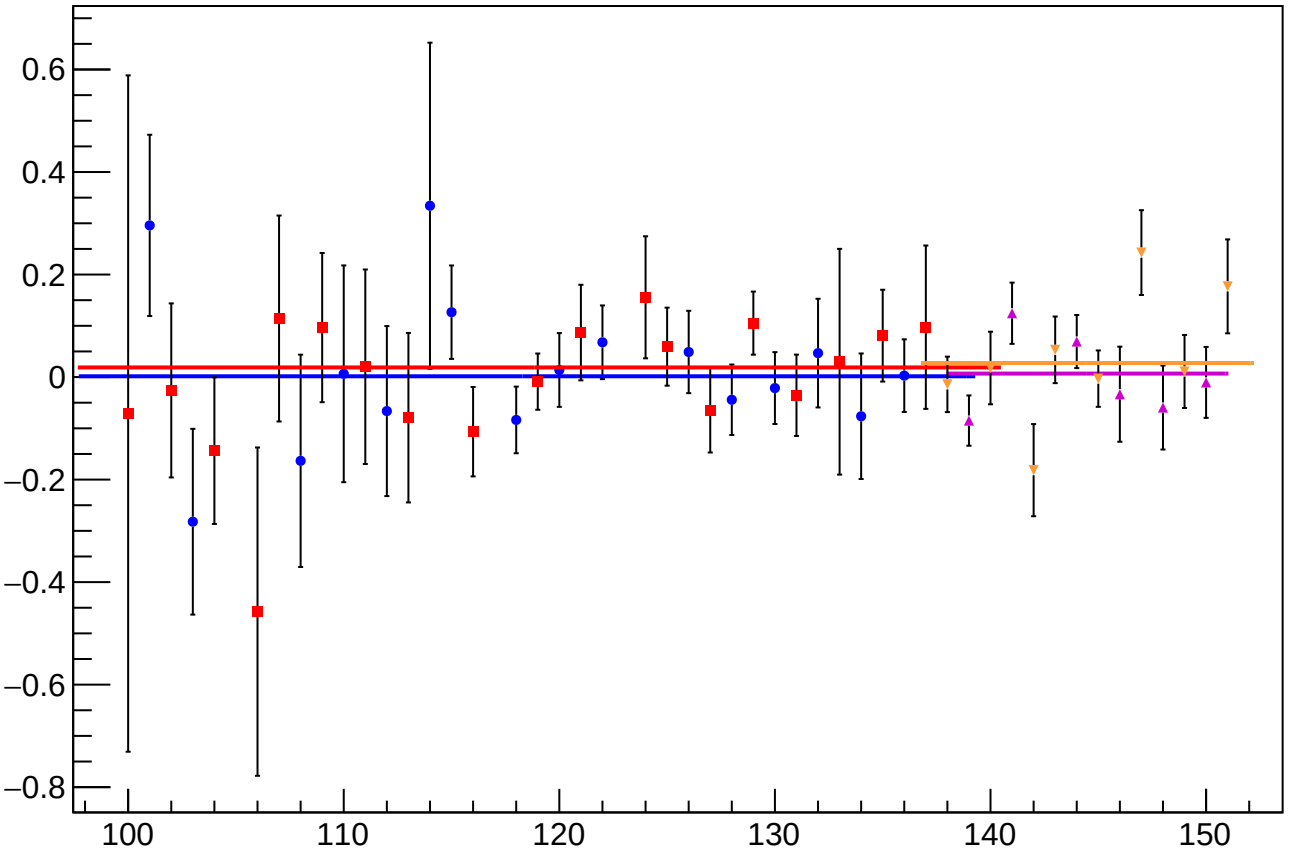
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 55.663+/-0.018 χ^2/NDF:394665.2/5

+ sign 57.107+/-0.012 χ^2/NDF: 2613364.3/23

All: 56.694+/-0.009 χ^2/NDF: 5565698.4/48

- sign 56.260+/-0.012 χ^2/NDF: 2949874.3/24



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.027+/-0.024 χ^2/NDF:16.0/7

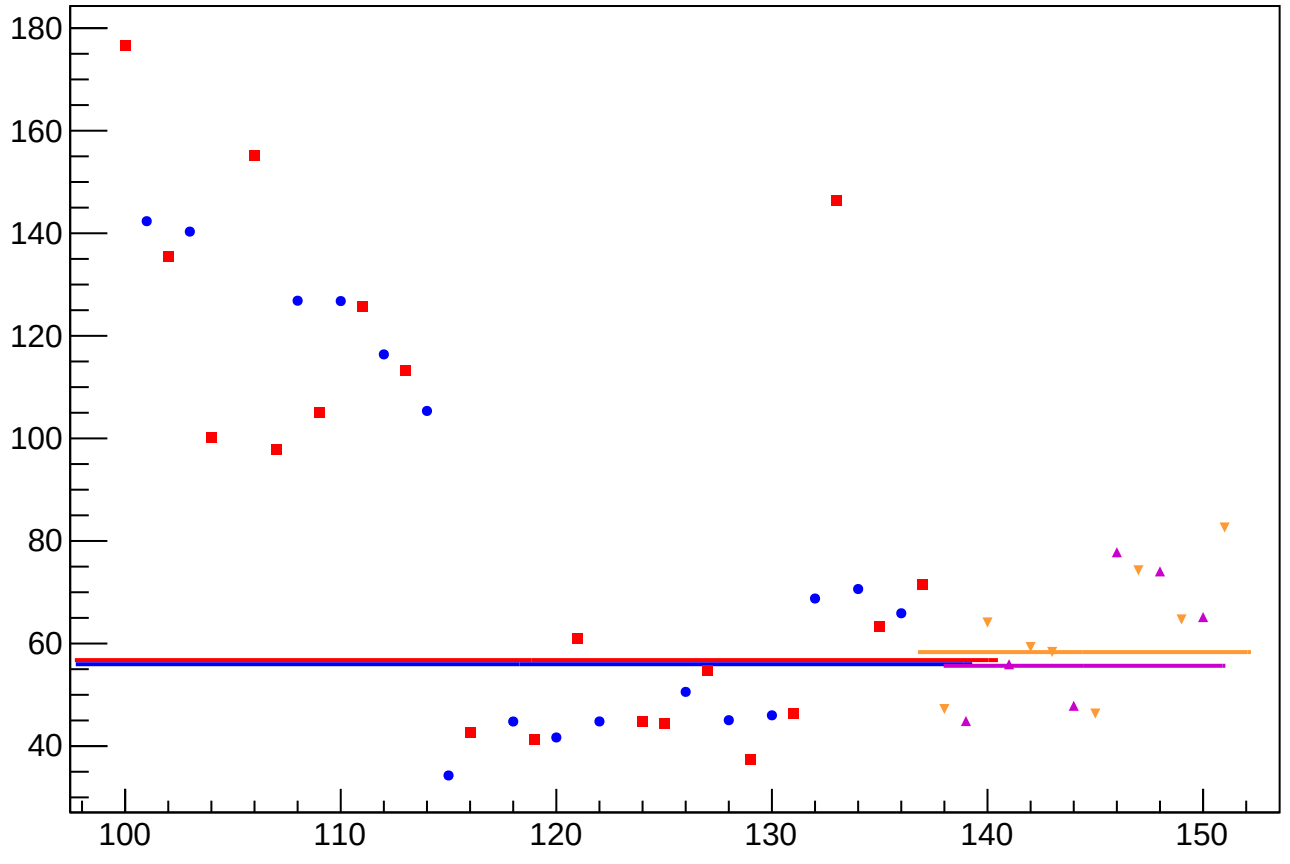
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.007+/-0.025 χ^2/NDF:9.7/5

+ sign 0.014+/-0.017 χ^2/NDF: 29.7/23

All: 0.014+/-0.012 χ^2/NDF: 52.6/48

- sign 0.013+/-0.017 χ^2/NDF: 23.0/24



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 58.332+/-0.017 χ^2/NDF:423790.8/7

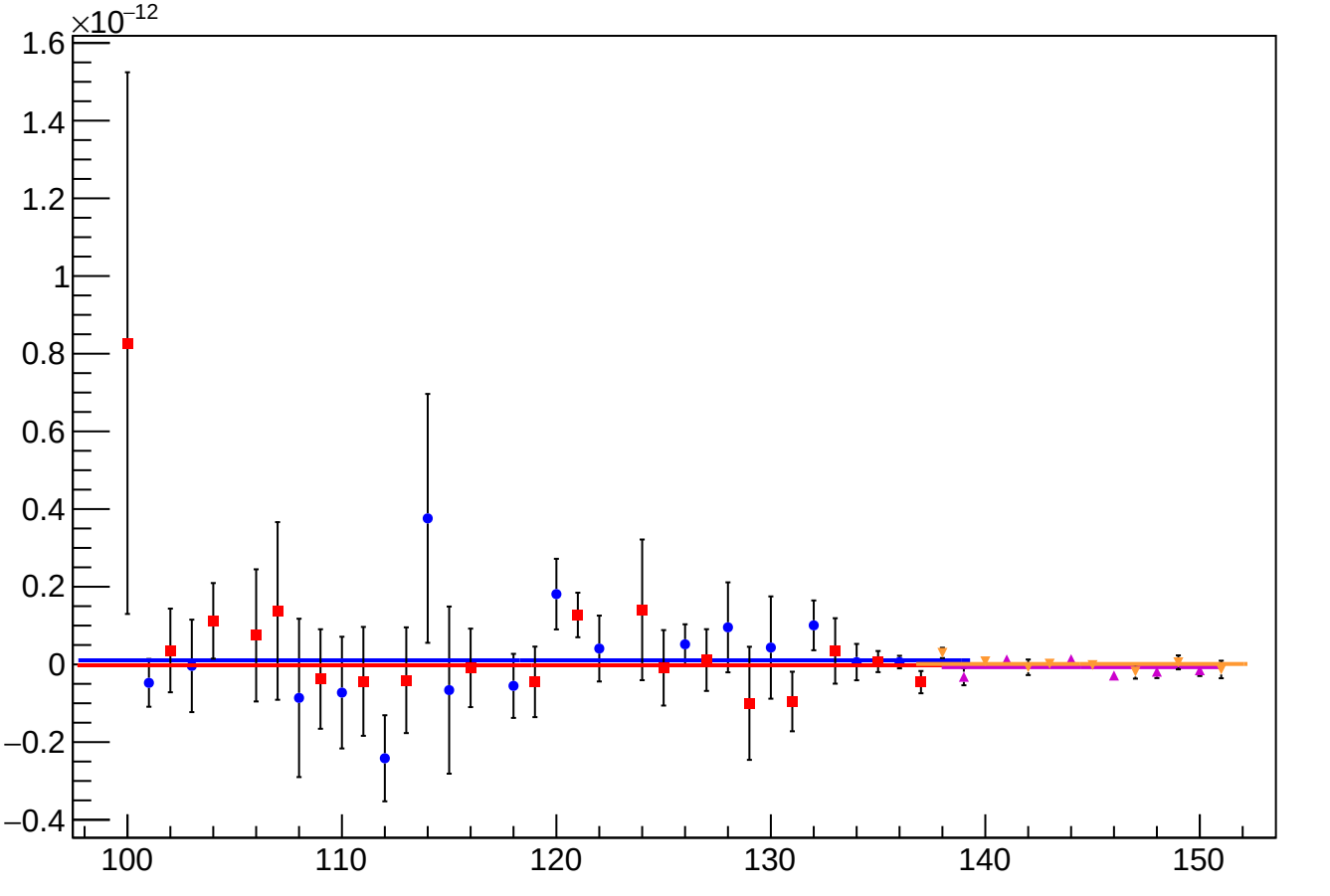
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 55.663+/-0.018 χ^2/NDF:394665.2/5

+ sign 57.107+/-0.012 χ^2/NDF: 2613364.3/23

All: 56.694+/-0.009 χ^2/NDF: 5565698.4/48

- sign 56.260+/-0.012 χ^2/NDF: 2949874.3/24



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.1/7

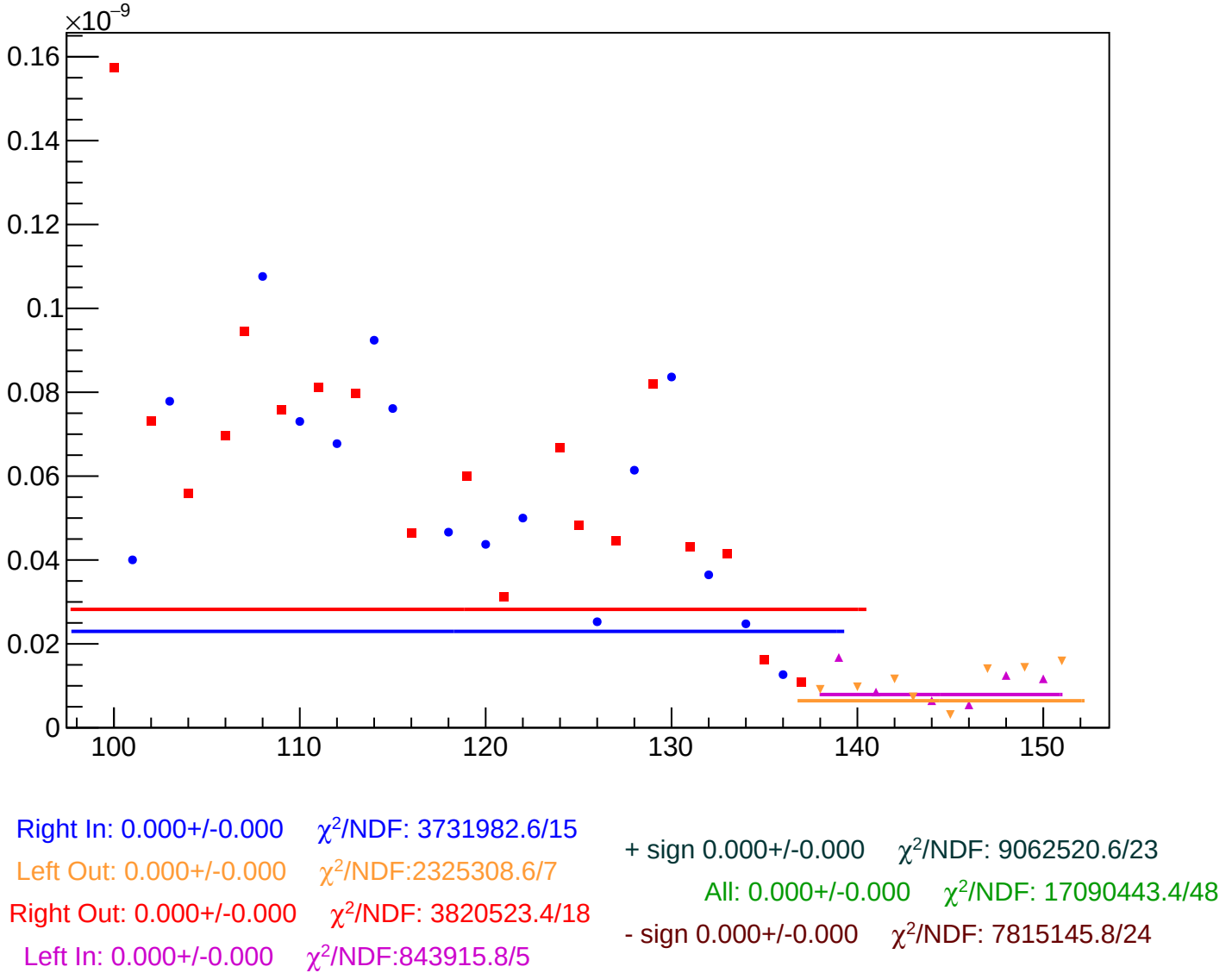
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:17.8/5

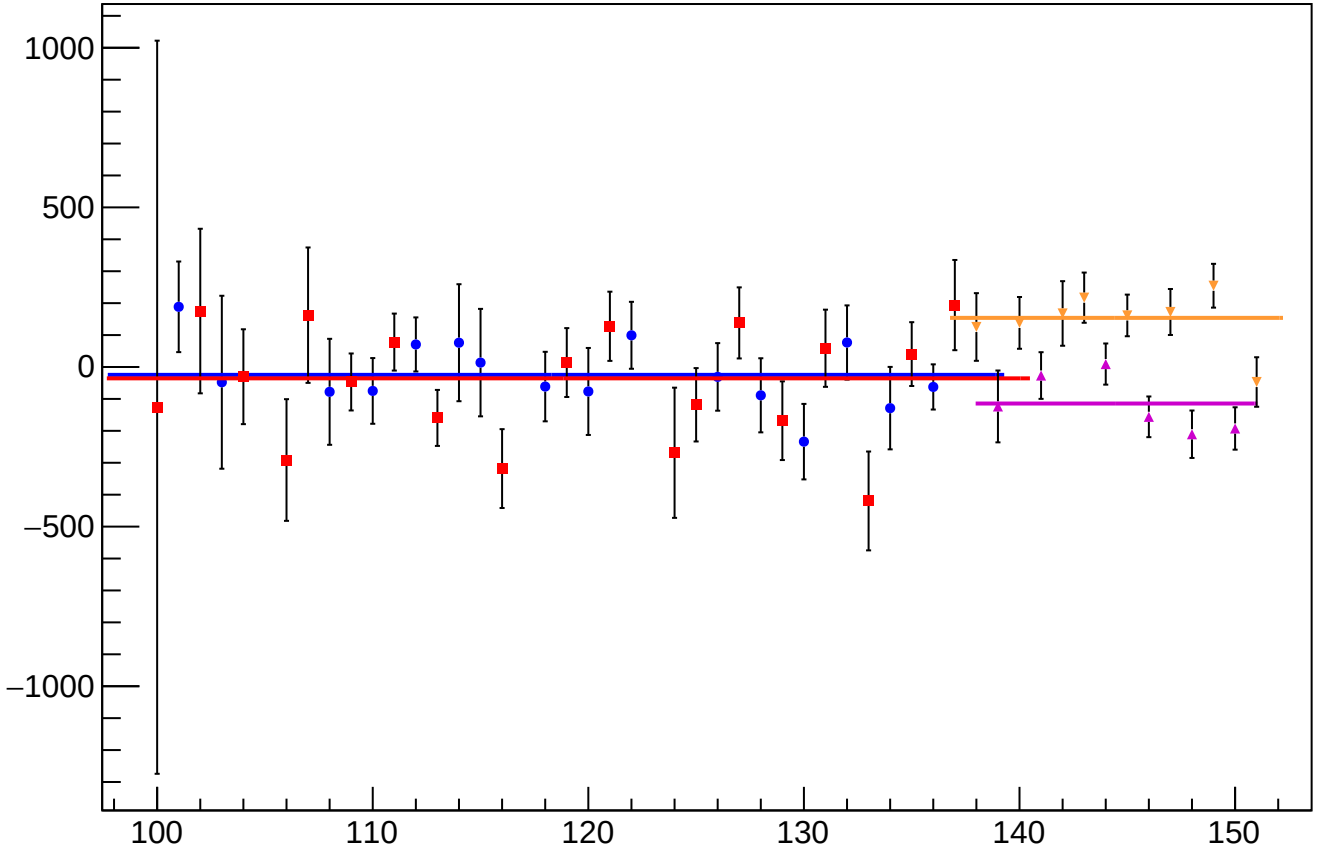
+ sign 0.000+/-0.000 χ^2/NDF: 23.2/23

All: -0.000+/-0.000 χ^2/NDF: 57.6/48

- sign -0.000+/-0.000 χ^2/NDF: 32.2/24


asym_sam_26_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3731982.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2325308.6/7
Right Out: 0.000+/-0.000 χ²/NDF: 3820523.4/18
Left In: 0.000+/-0.000 χ²/NDF:843915.8/5
+ sign 0.000+/-0.000 χ²/NDF: 9062520.6/23
All: 0.000+/-0.000 χ²/NDF: 17090443.4/48
- sign 0.000+/-0.000 χ²/NDF: 7815145.8/24

reg_asym_sam_37_avg_mean vs Slug



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 153.894+/-27.660 χ^2/NDF:9.7/7

Right Out: -35.582+/-28.454 χ^2/NDF: 30.1/18

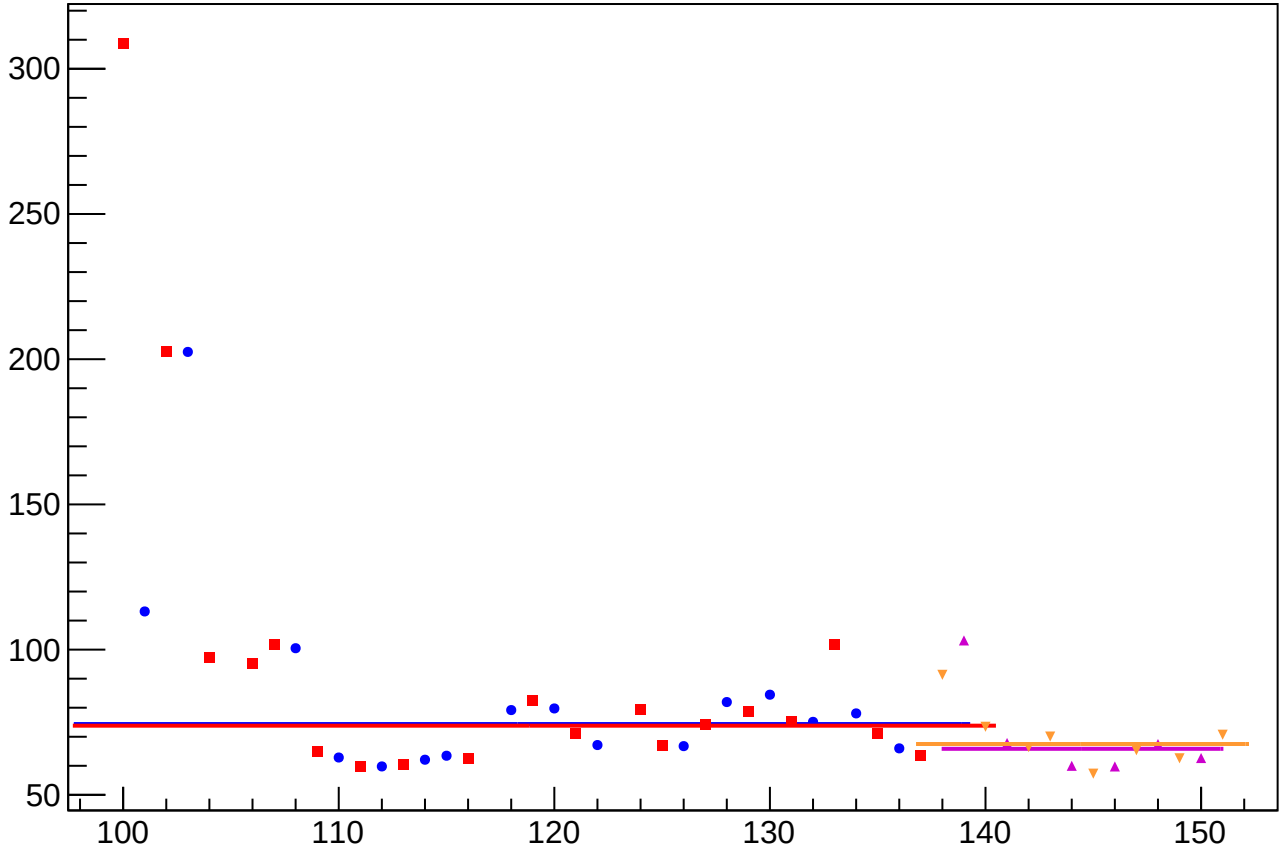
Left In: -114.431+/-29.345 χ^2/NDF:8.6/5

+ sign 68.581+/-19.987 χ^2/NDF: 40.6/23

All: -1.053+/-14.286 χ^2/NDF: 107.9/48

- sign -73.792+/-20.428 χ^2/NDF: 42.4/24

reg_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 67.505+/-0.020 χ^2/NDF:178636.4/7

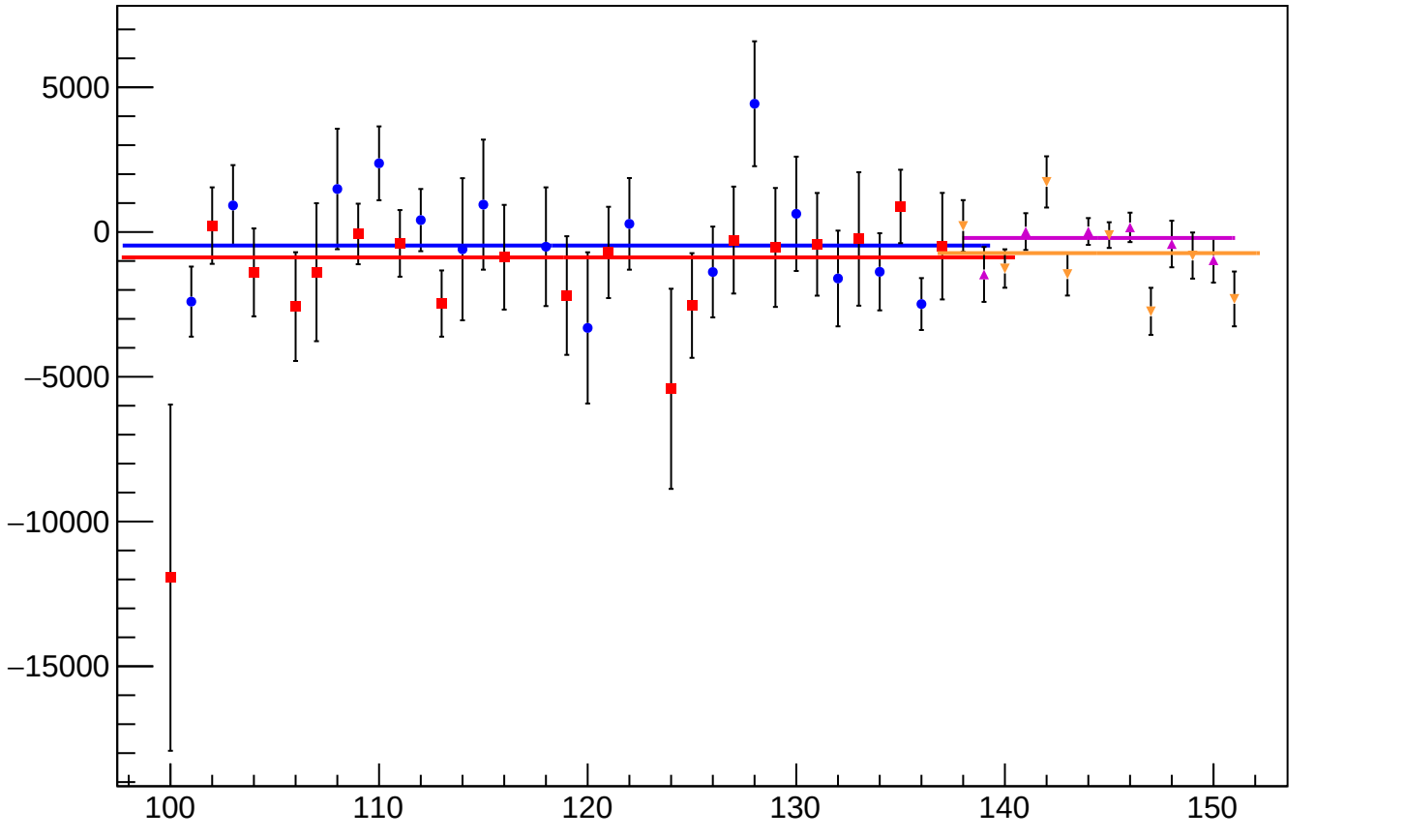
Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 65.847+/-0.021 χ^2/NDF:261672.2/5

+ sign 70.785+/-0.014 χ^2/NDF: 1065072.8/23

All: 70.378+/-0.010 χ^2/NDF: 2336383.9/48

- sign 69.954+/-0.014 χ^2/NDF: 1269618.2/24



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -728.381+/-250.817 χ^2/NDF:21.3/7

Right Out: -875.351+/-372.239 χ^2/NDF: 13.1/18

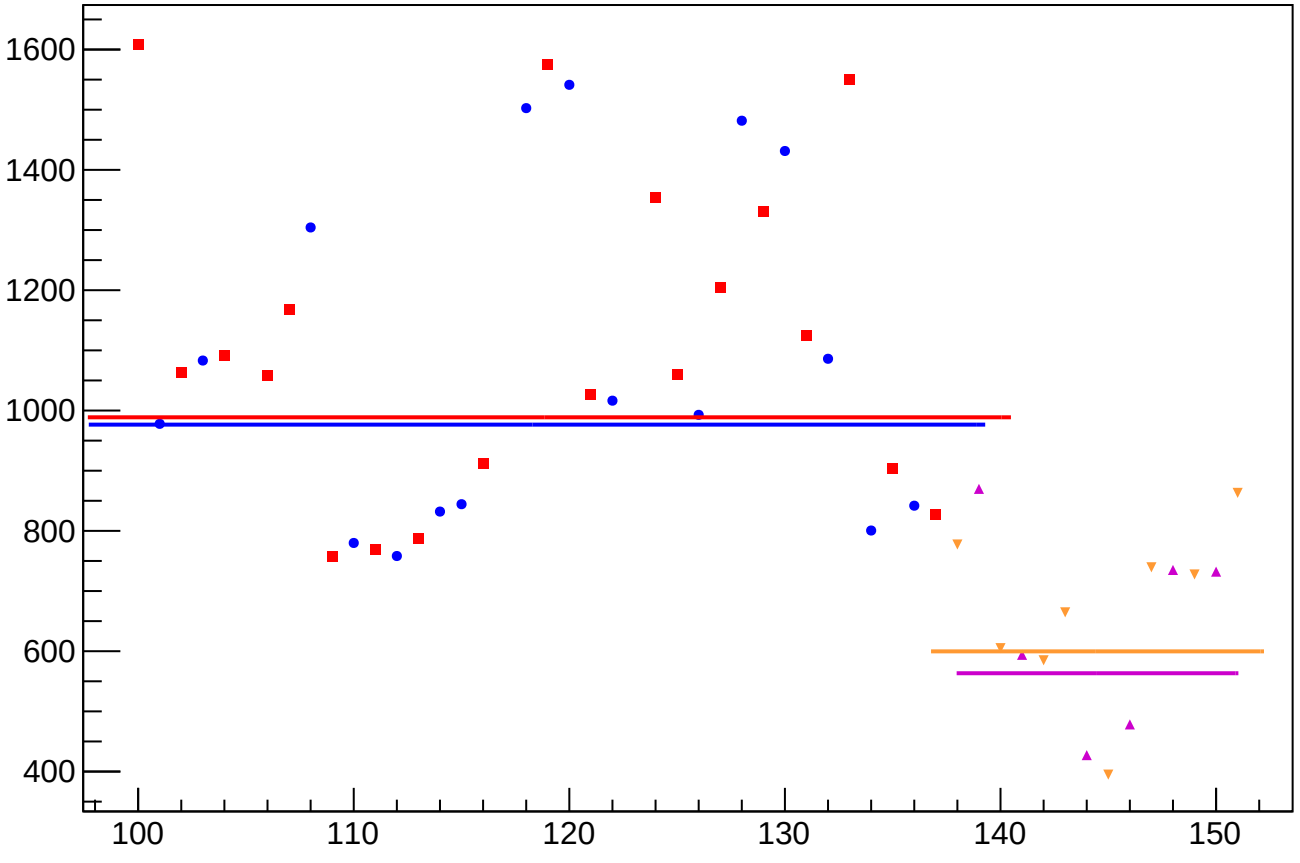
Left In: -205.237+/-255.316 χ^2/NDF:3.7/5

+ sign -647.454+/-208.488 χ^2/NDF: 45.3/23

All: -534.663+/-148.147 χ^2/NDF: 64.9/48

- sign -419.630+/-210.549 χ^2/NDF: 18.9/24

asym_sam_37_avg_reg_correction_rms vs Slug



Right In: 976.583+/-0.265 χ^2/NDF: 736605.1/15

Left Out: 599.744+/-0.177 χ^2/NDF:785792.3/7

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

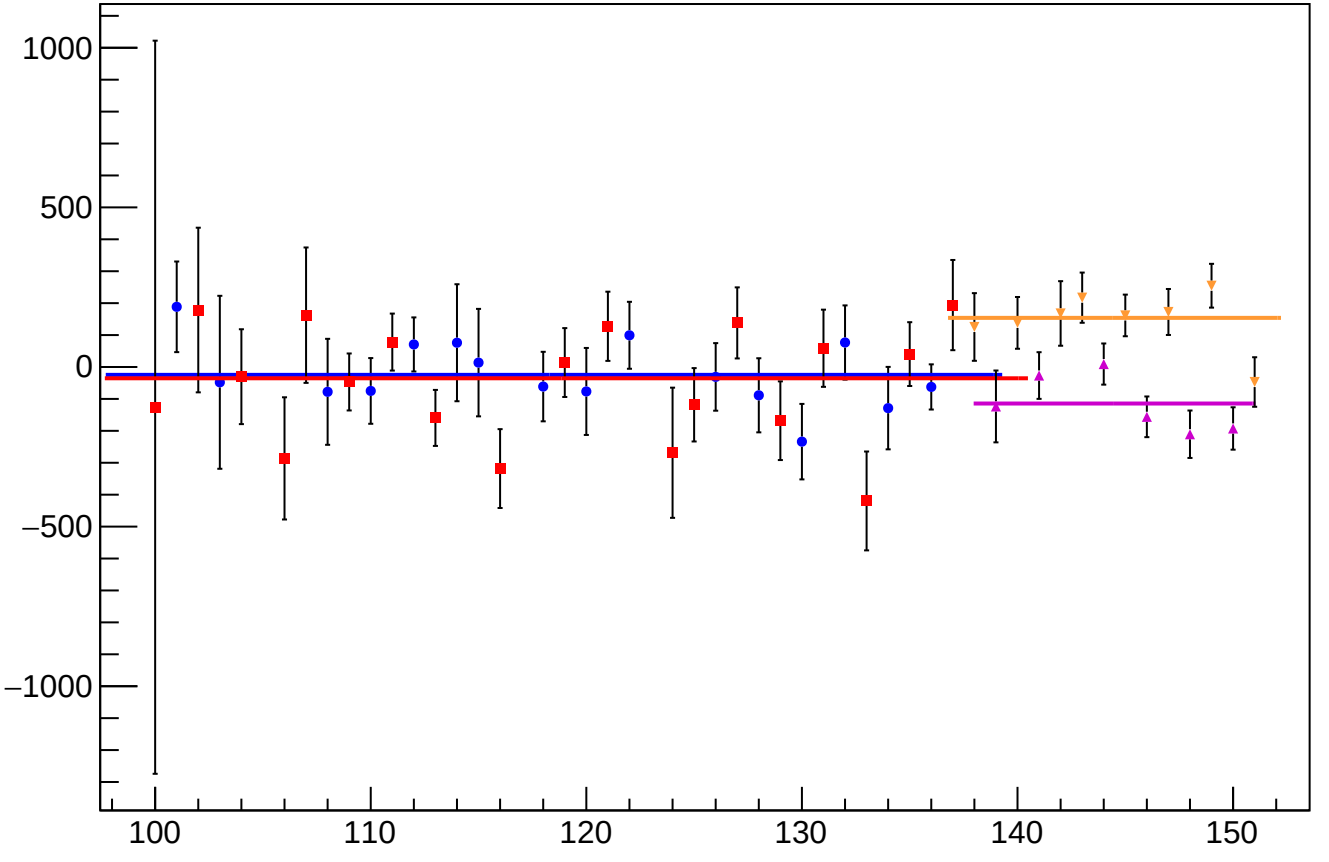
Left In: 563.395+/-0.181 χ^2/NDF:628837.0/5

+ sign 716.206+/-0.147 χ^2/NDF: 2917656.0/23

All: 707.928+/-0.105 χ^2/NDF: 6044661.3/48

- sign 699.486+/-0.149 χ^2/NDF: 3120636.7/24

cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 153.898+/-27.660 χ^2/NDF:9.7/7

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

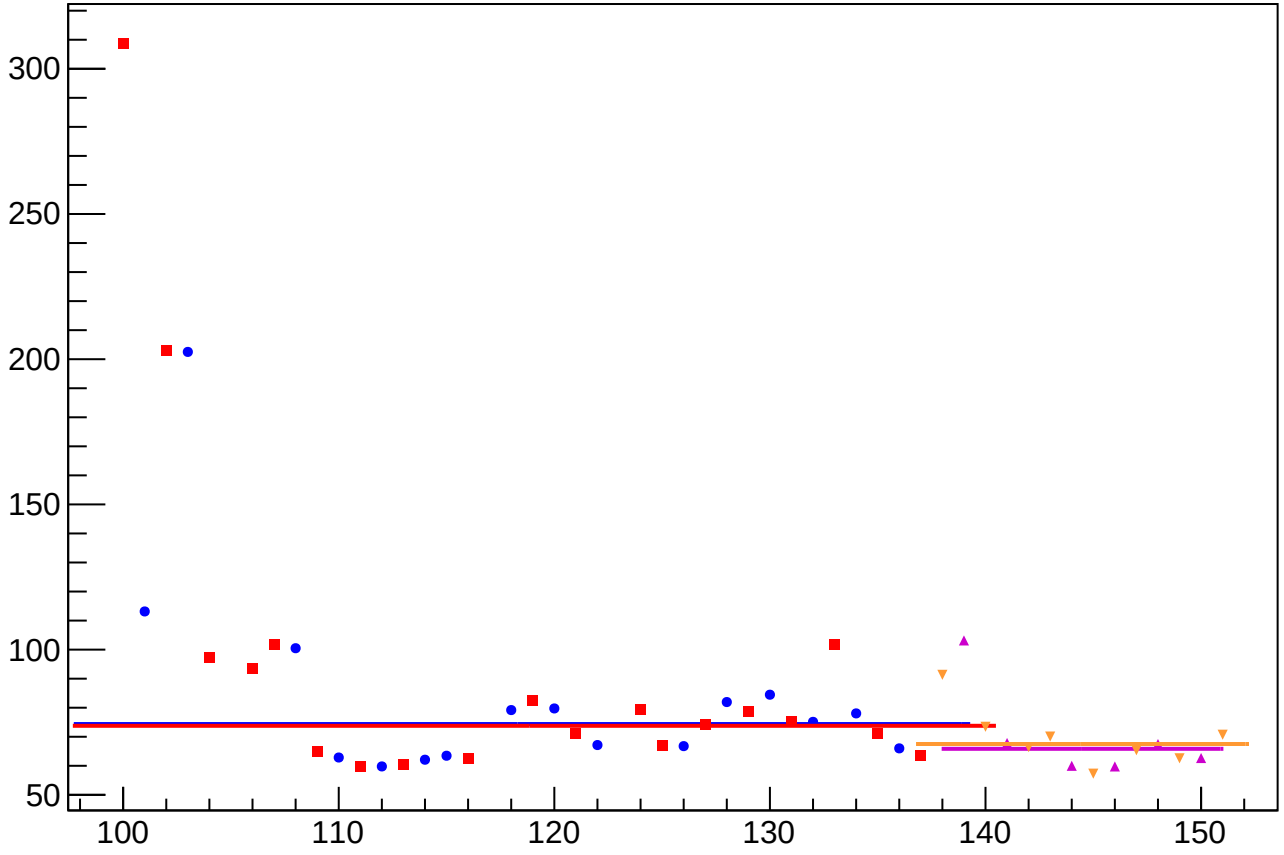
Left In: -114.430+/-29.345 χ^2/NDF:8.6/5

+ sign 68.579+/-19.987 χ^2/NDF: 40.6/23

All: -1.001+/-14.287 χ^2/NDF: 107.8/48

- sign -73.693+/-20.429 χ^2/NDF: 42.4/24

cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 67.505+/-0.020 χ^2/NDF:178636.4/7

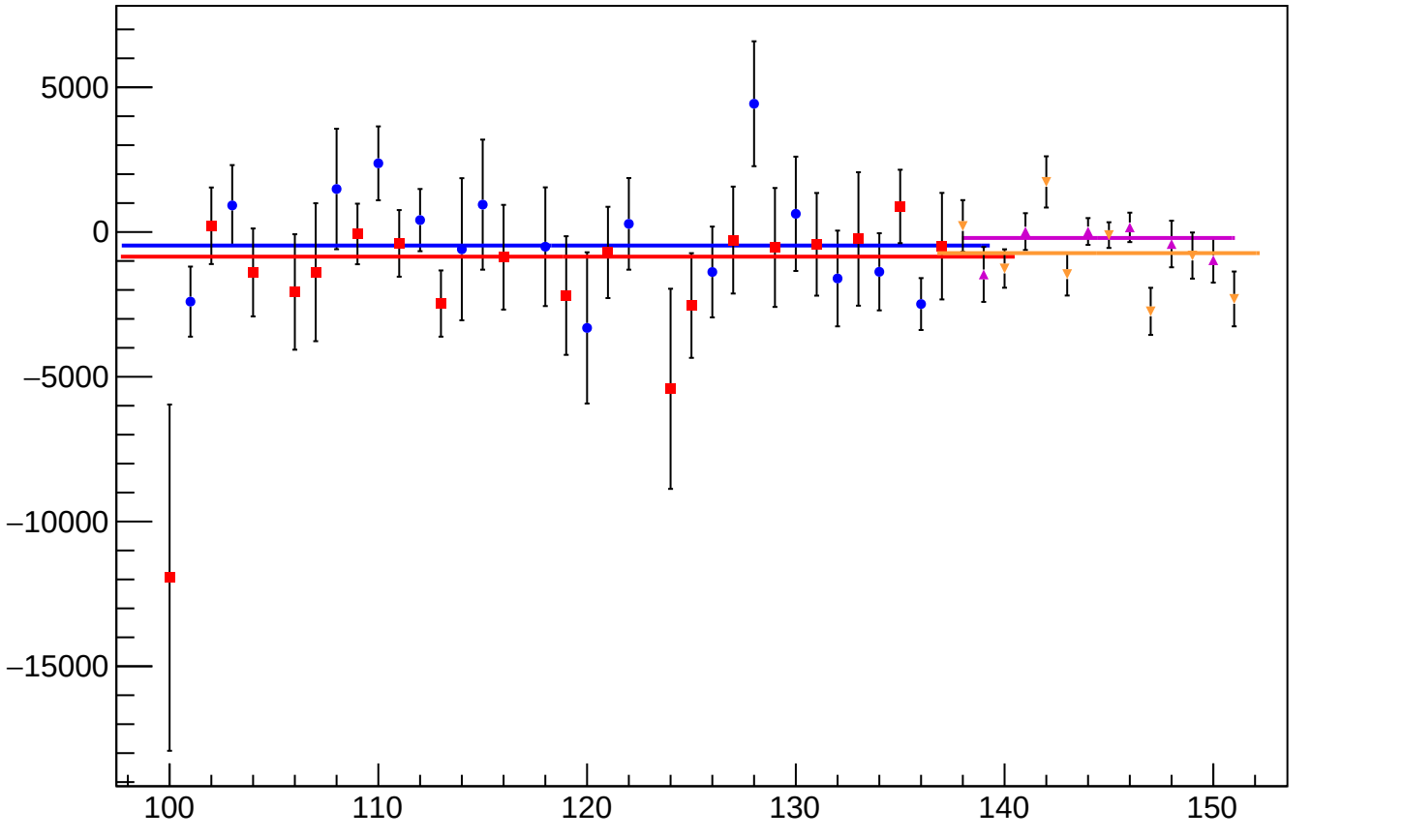
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 65.847+/-0.021 χ^2/NDF:261672.2/5

+ sign 70.785+/-0.014 χ^2/NDF: 1065074.8/23

All: 70.368+/-0.010 χ^2/NDF: 2331887.5/48

- sign 69.932+/-0.014 χ^2/NDF: 1265029.3/24



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -728.376+/-250.817 χ^2/NDF:21.3/7

Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

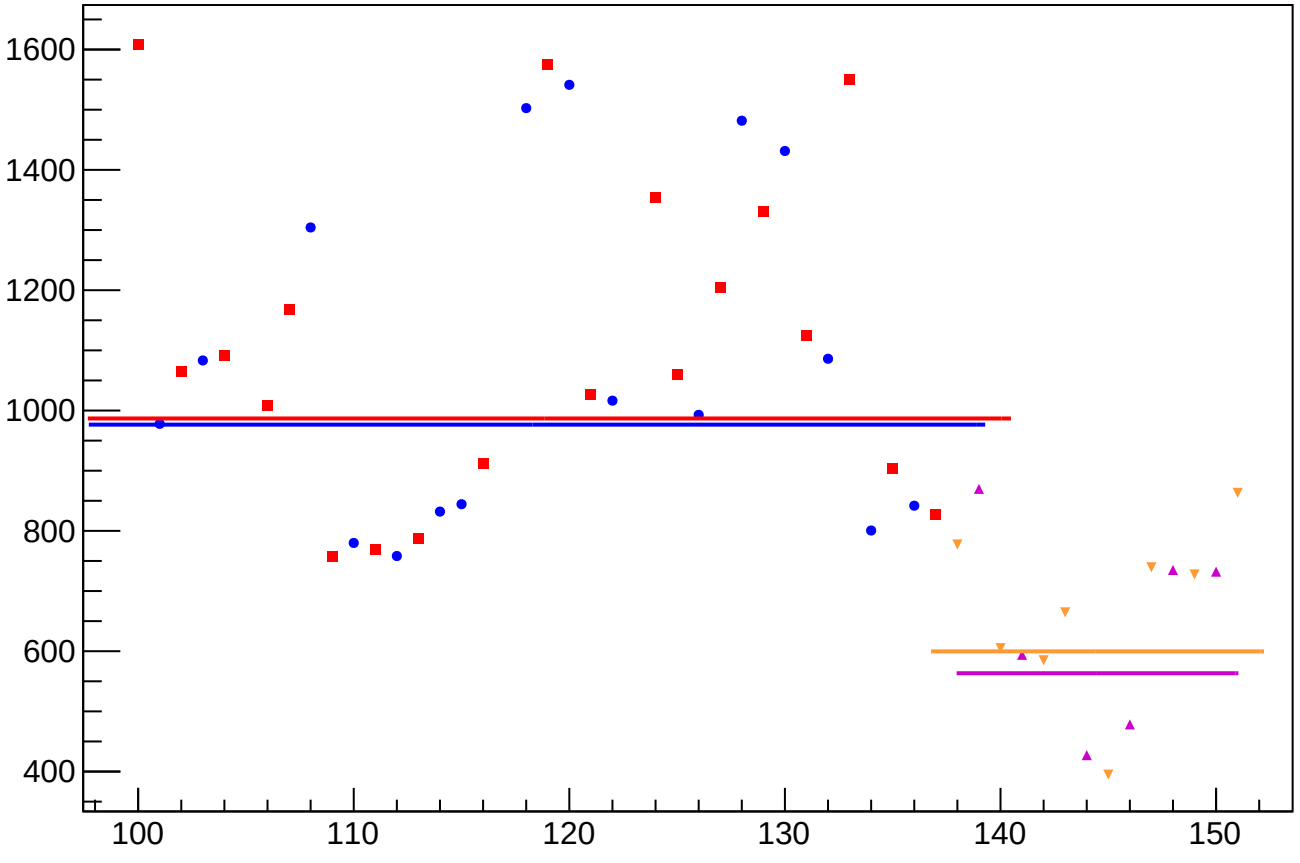
Left In: -205.240+/-255.316 χ^2/NDF:3.7/5

+ sign -647.447+/-208.488 χ^2/NDF: 45.3/23

All: -530.533+/-148.200 χ^2/NDF: 64.3/48

- sign -411.121+/-210.703 χ^2/NDF: 18.3/24

asym_sam_37_avg_cor_correction_rms vs Slug



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 599.744+/-0.177 χ^2/NDF:785792.4/7

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

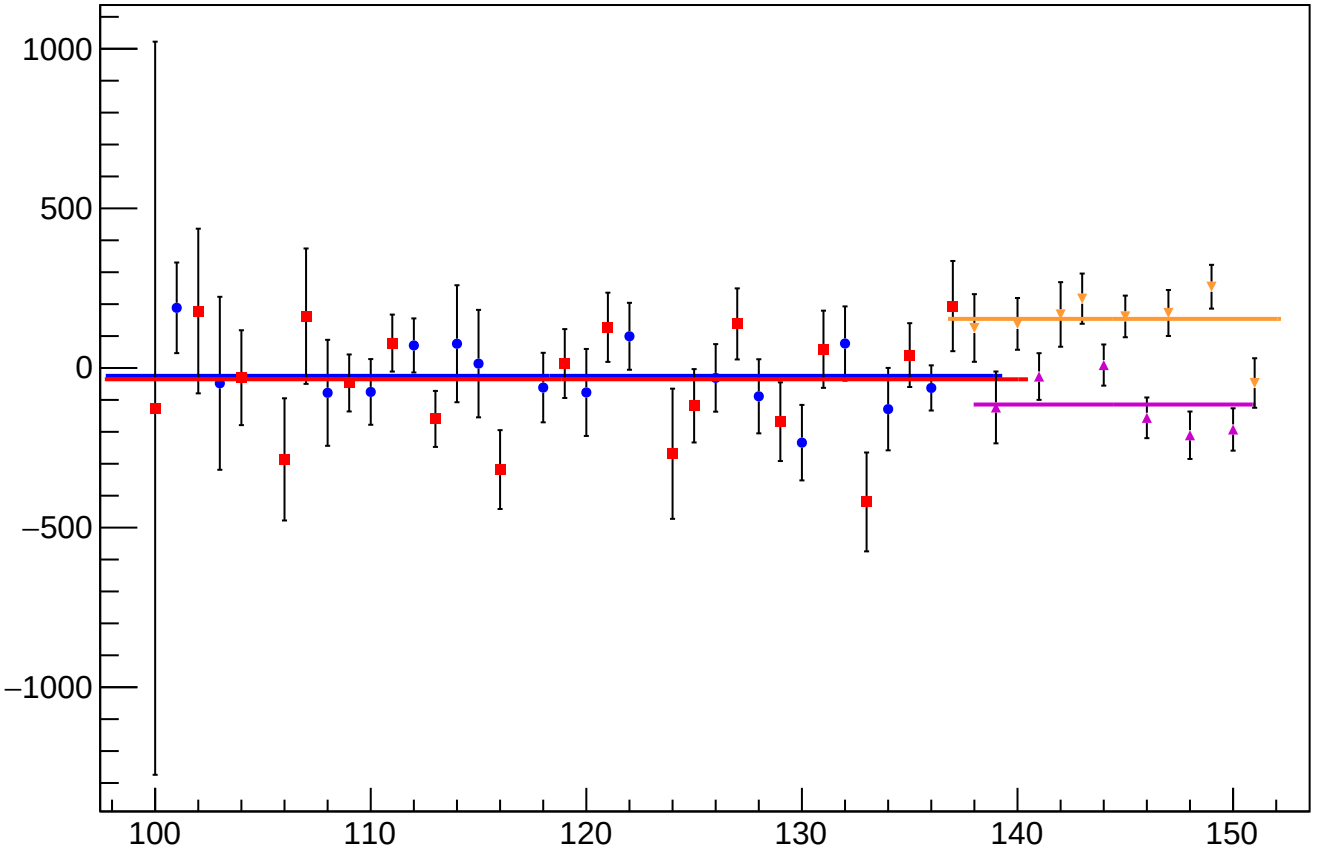
Left In: 563.395+/-0.181 χ^2/NDF:628838.7/5

+ sign 716.207+/-0.147 χ^2/NDF: 2917711.2/23

All: 707.419+/-0.105 χ^2/NDF: 6021505.6/48

- sign 698.443+/-0.149 χ^2/NDF: 3096611.9/24

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 153.898+/-27.660 χ^2/NDF:9.7/7

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

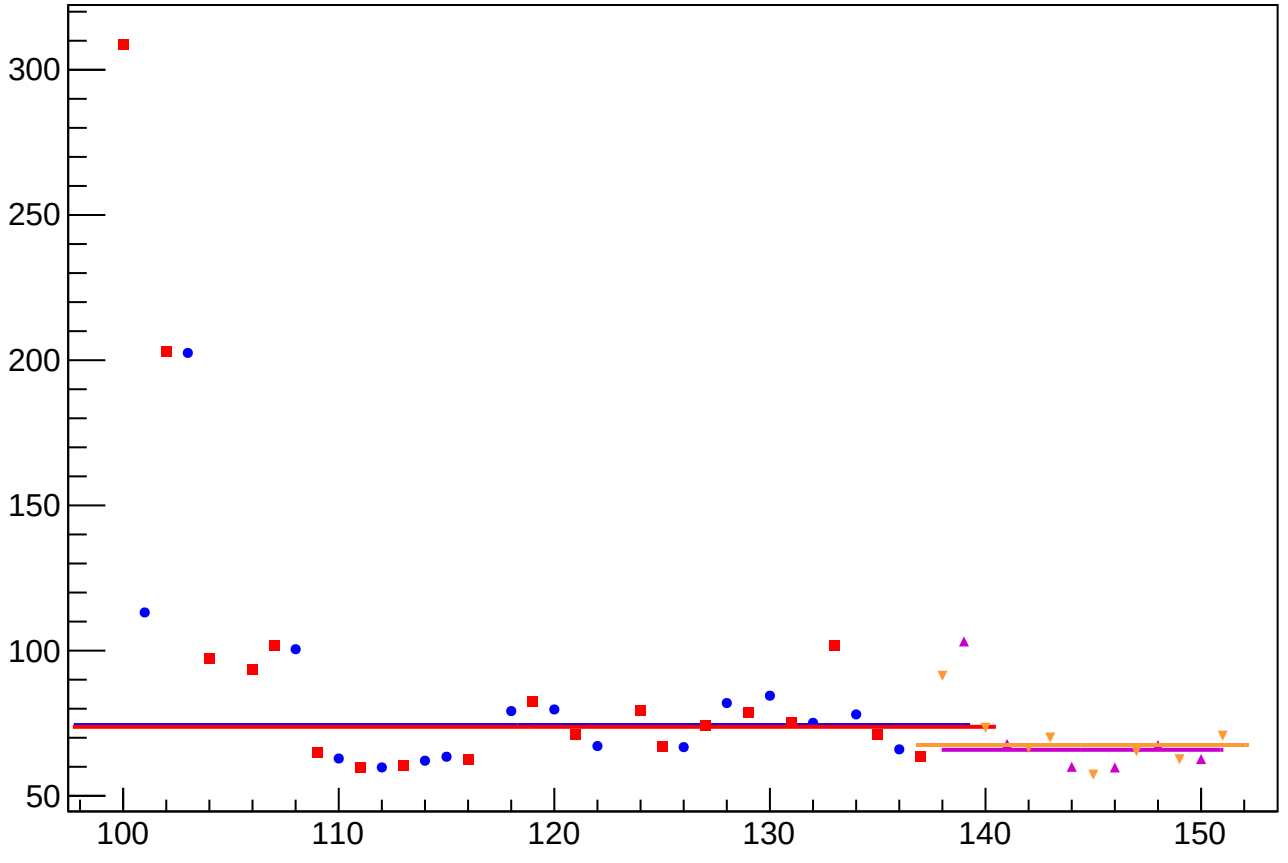
Left In: -114.430+/-29.345 χ^2/NDF:8.6/5

+ sign 68.579+/-19.987 χ^2/NDF: 40.6/23

All: -1.001+/-14.287 χ^2/NDF: 107.8/48

- sign -73.693+/-20.429 χ^2/NDF: 42.4/24

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 67.505+/-0.020 χ^2/NDF:178636.4/7

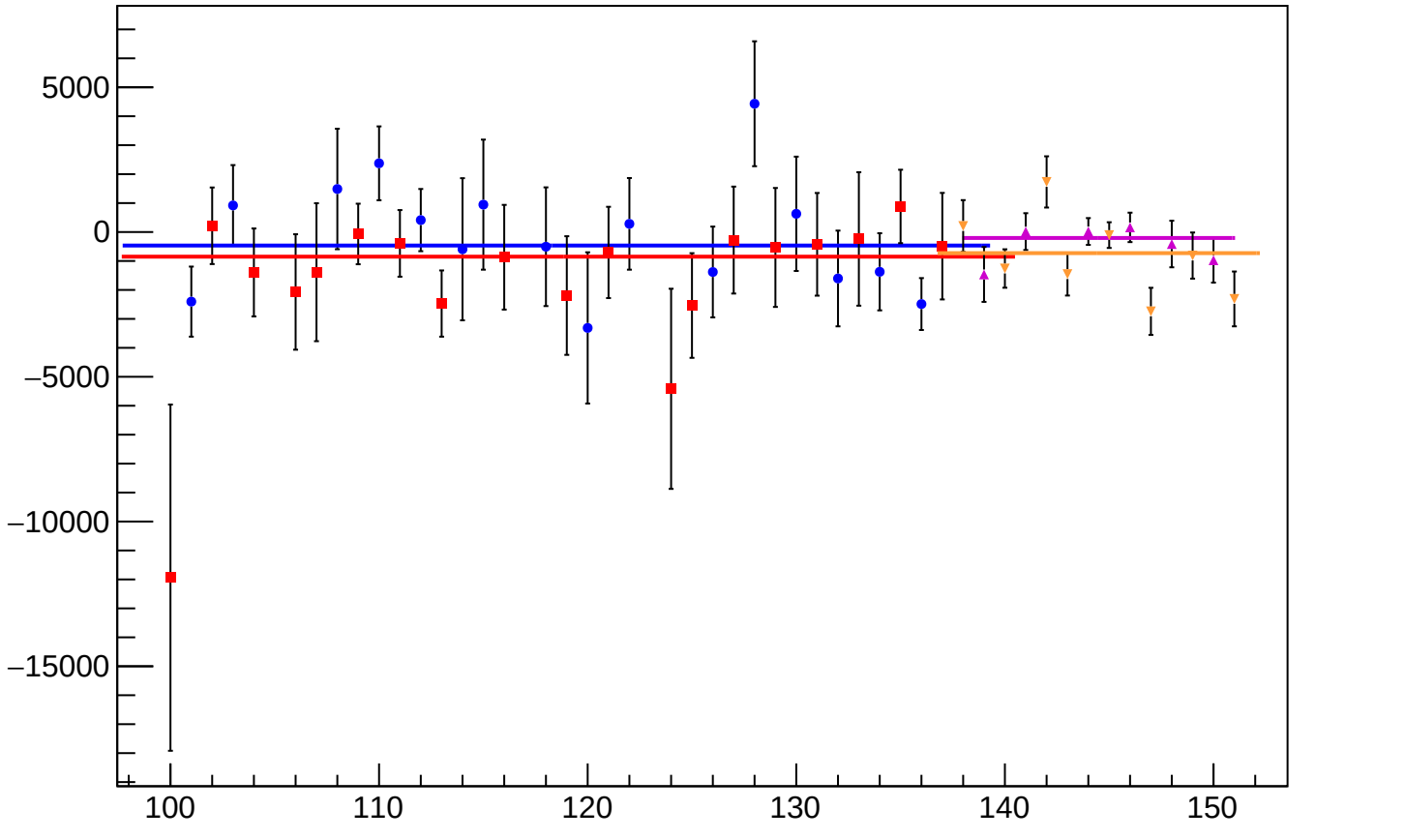
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 65.847+/-0.021 χ^2/NDF:261672.2/5

+ sign 70.785+/-0.014 χ^2/NDF: 1065074.8/23

All: 70.368+/-0.010 χ^2/NDF: 2331887.5/48

- sign 69.932+/-0.014 χ^2/NDF: 1265029.3/24



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -728.376+/-250.817 χ^2/NDF:21.3/7

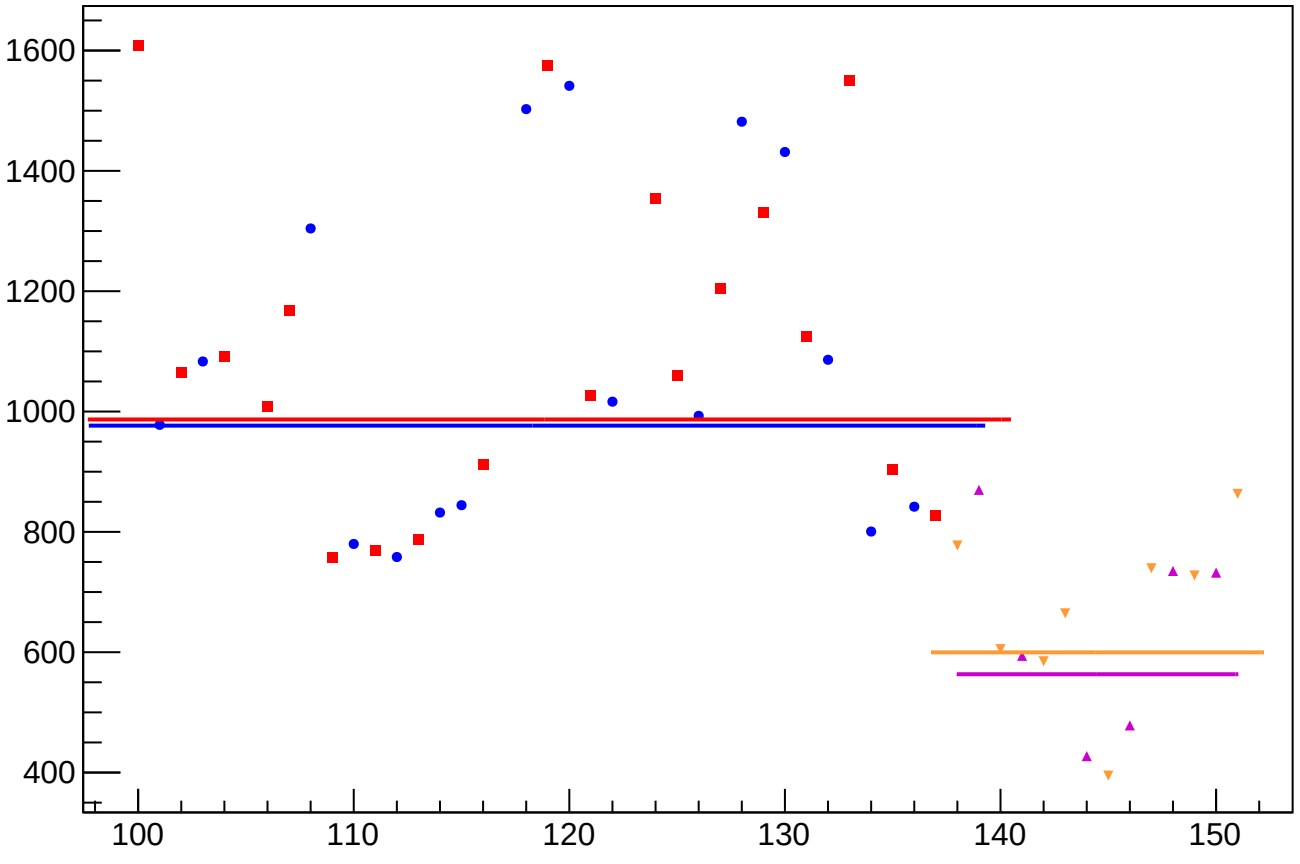
Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: -205.240+/-255.316 χ^2/NDF:3.7/5

\+ sign -647.447+/-208.488 χ^2/NDF: 45.3/23

All: -530.533+/-148.200 χ^2/NDF: 64.3/48

\- sign -411.121+/-210.703 χ^2/NDF: 18.3/24



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 599.744+/-0.177 χ^2/NDF:785792.4/7

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

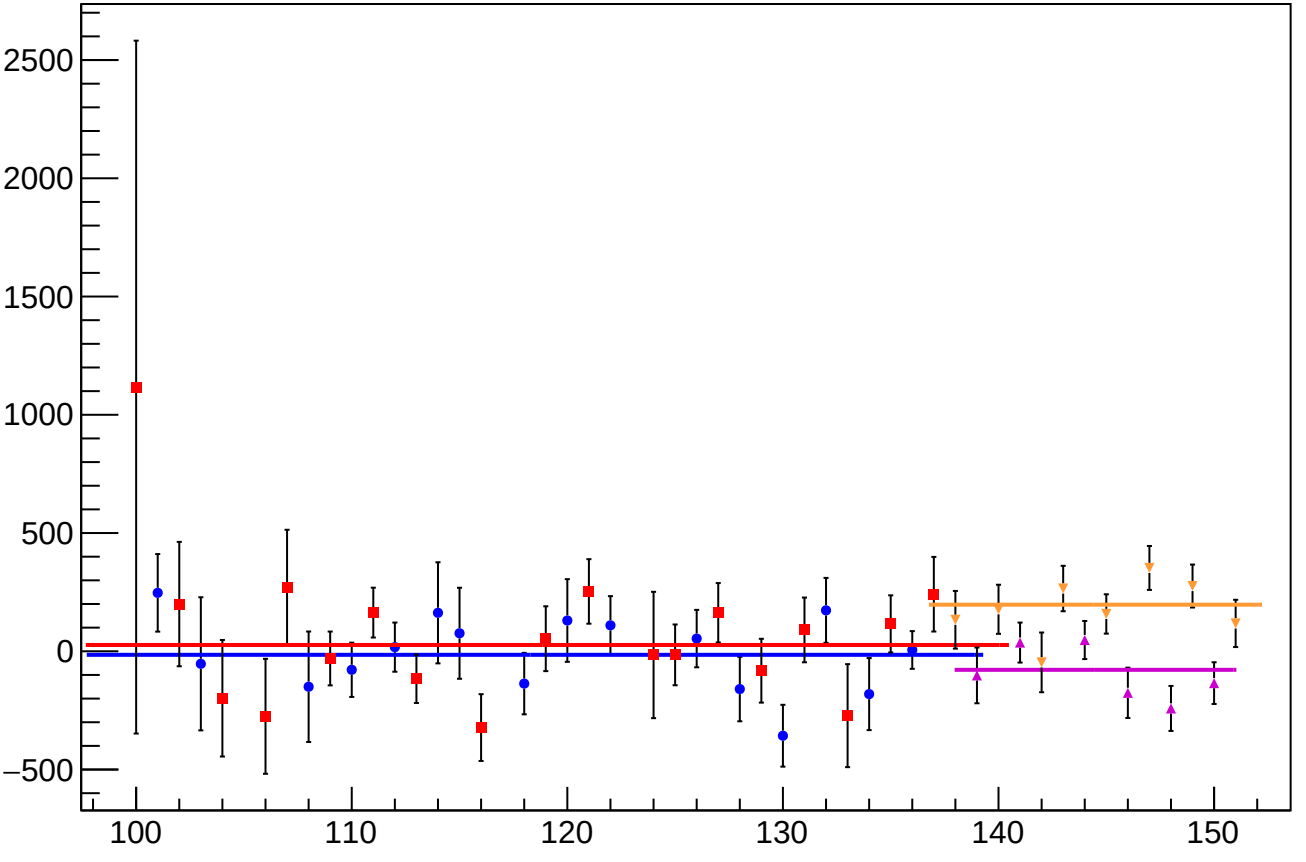
Left In: 563.395+/-0.181 χ^2/NDF:628838.7/5

\+ sign 716.207+/-0.147 χ^2/NDF: 2917711.2/23

All: 707.419+/-0.105 χ^2/NDF: 6021505.6/48

\- sign 698.443+/-0.149 χ^2/NDF: 3096611.9/24

dit_asym_sam_37_avg_mean vs Slug



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 197.035+/-35.069 χ^2/NDF:9.0/7

Right Out: 26.654+/-34.073 χ^2/NDF: 23.6/18

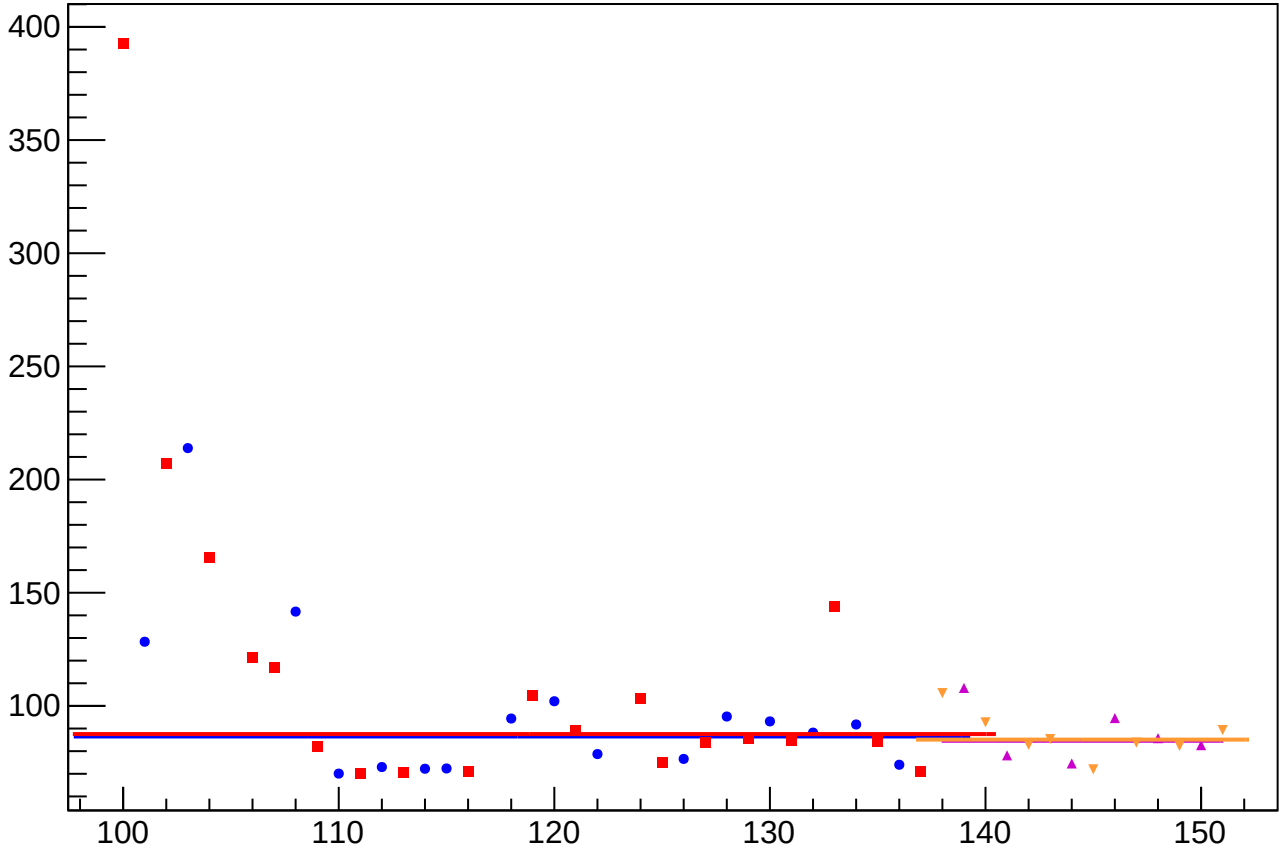
Left In: -78.380+/-37.983 χ^2/NDF:8.5/5

+ sign 87.015+/-24.322 χ^2/NDF: 46.2/23

All: 35.663+/-17.555 χ^2/NDF: 91.9/48

- sign -20.180+/-25.363 χ^2/NDF: 36.4/24

dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 85.104+/-0.025 χ^2/NDF:123959.9/7

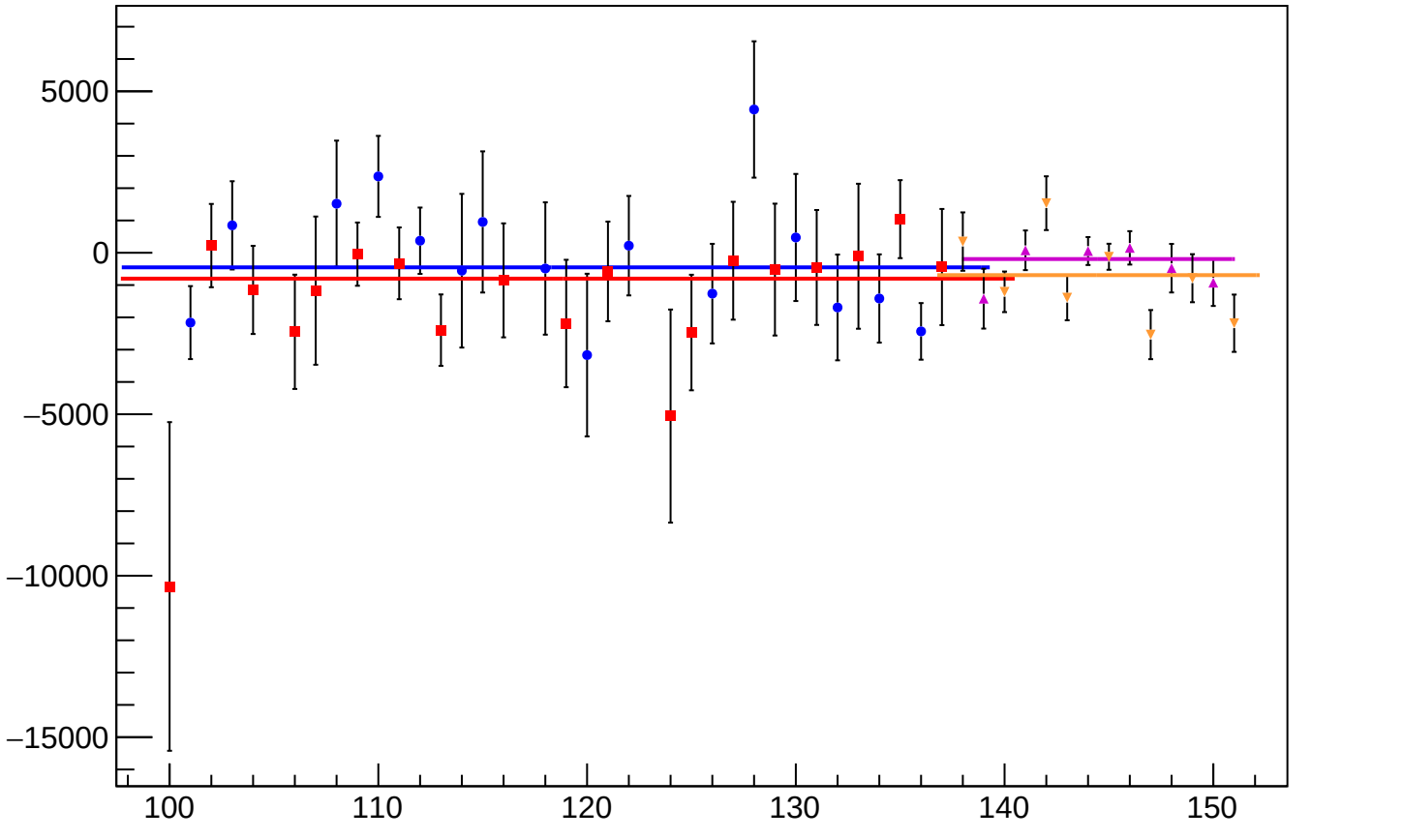
Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 84.593+/-0.027 χ^2/NDF:140049.9/5

+ sign 85.823+/-0.017 χ^2/NDF: 981837.9/23

All: 86.020+/-0.012 χ^2/NDF: 2258694.4/48

- sign 86.234+/-0.018 χ^2/NDF: 1276582.5/24



Right In: -451.380+/-365.605 χ^2/NDF: 23.7/15

Left Out: -692.560+/-234.408 χ^2/NDF:20.8/7

Right Out: -801.206+/-357.866 χ^2/NDF: 13.6/18

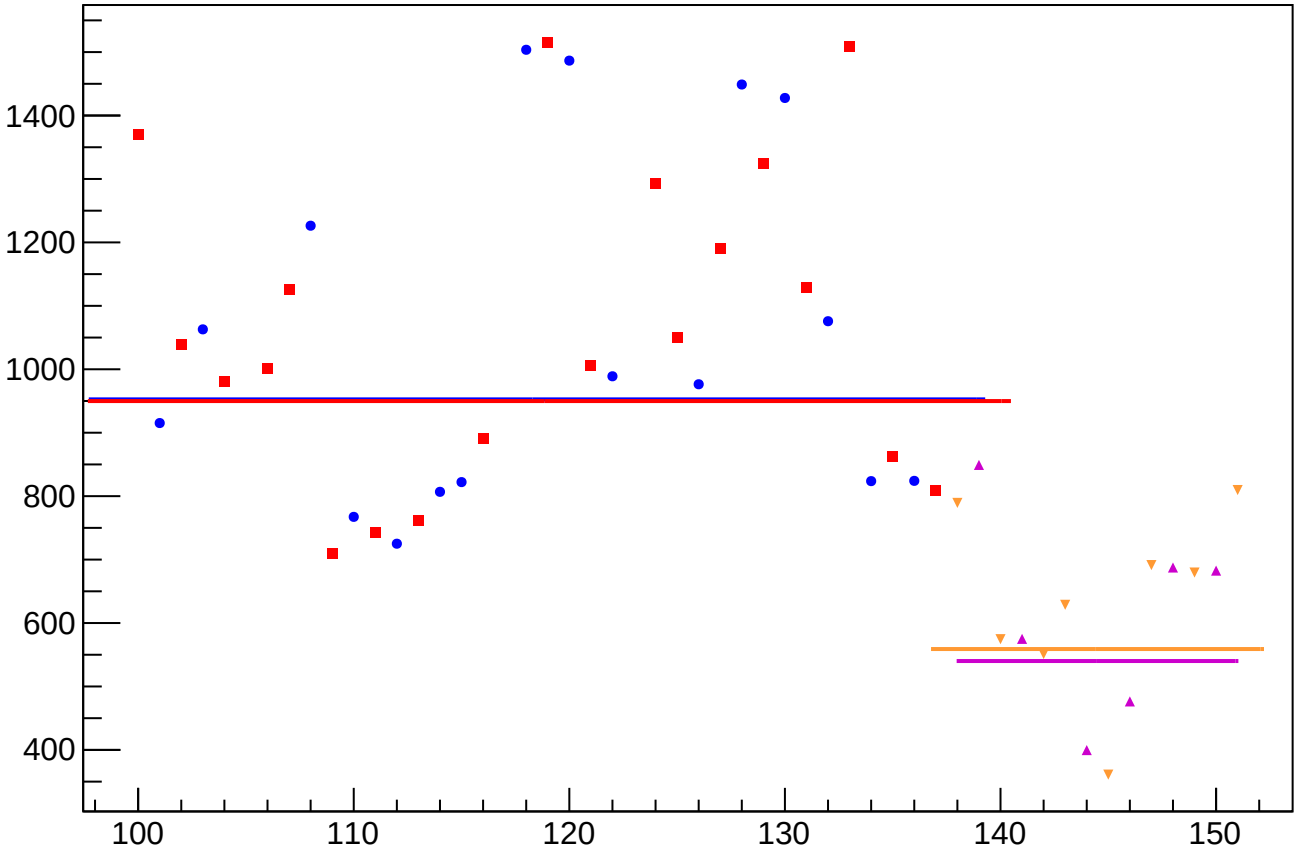
Left In: -194.318+/-245.484 χ^2/NDF:3.9/5

+ sign -622.300+/-197.332 χ^2/NDF: 44.9/23

All: -508.389+/-141.304 χ^2/NDF: 65.0/48

- sign -388.512+/-202.434 χ^2/NDF: 19.5/24

asym_sam_37_avg_dit_correction_rms vs Slug



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 559.005+/-0.166 χ^2/NDF:905968.6/7

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

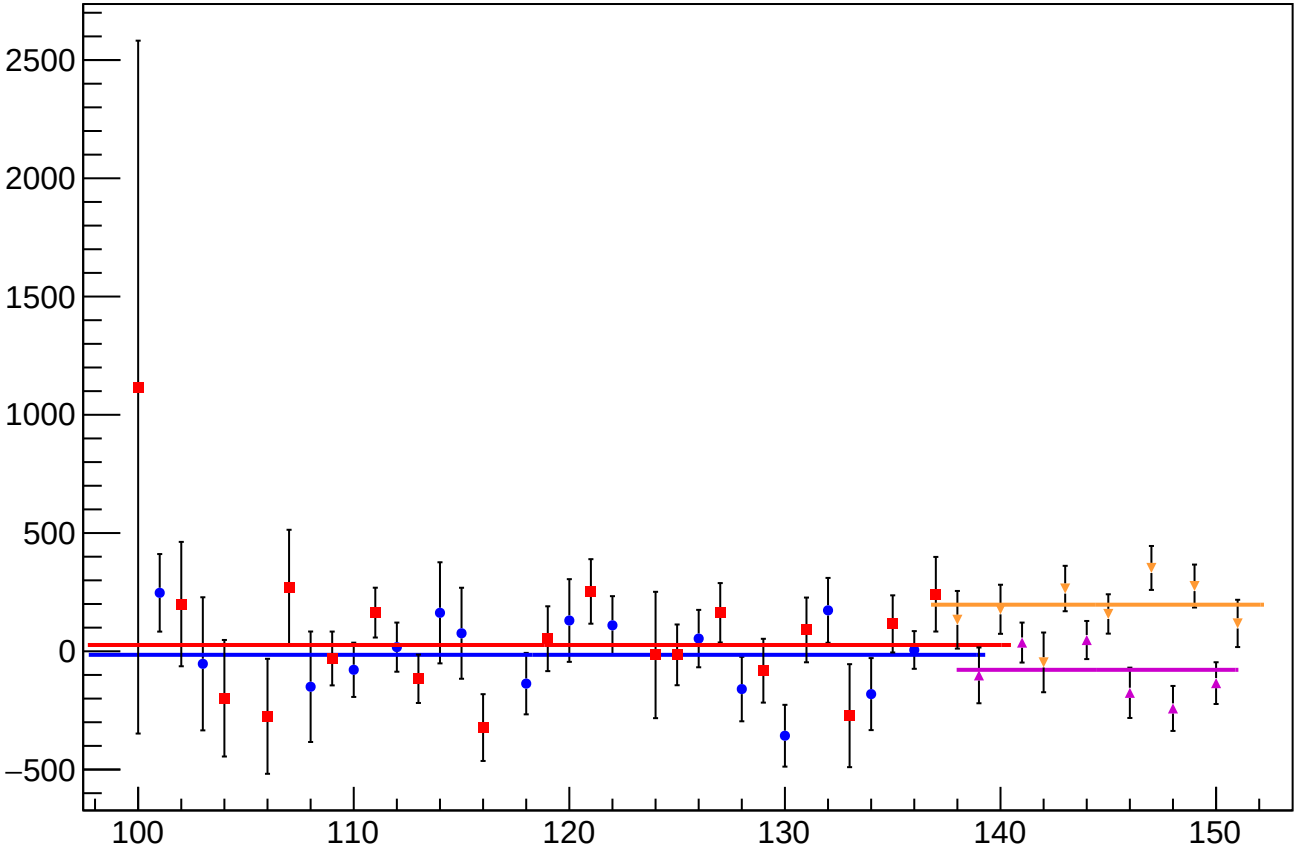
Left In: 540.098+/-0.174 χ^2/NDF:625215.1/5

+ sign 673.653+/-0.140 χ^2/NDF: 3294591.7/23

All: 672.470+/-0.100 χ^2/NDF: 6454988.9/48

- sign 671.225+/-0.143 χ^2/NDF: 3160249.8/24

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 197.035+/-35.069 χ^2/NDF:9.0/7

Right Out: 26.658+/-34.073 χ^2/NDF: 23.6/18

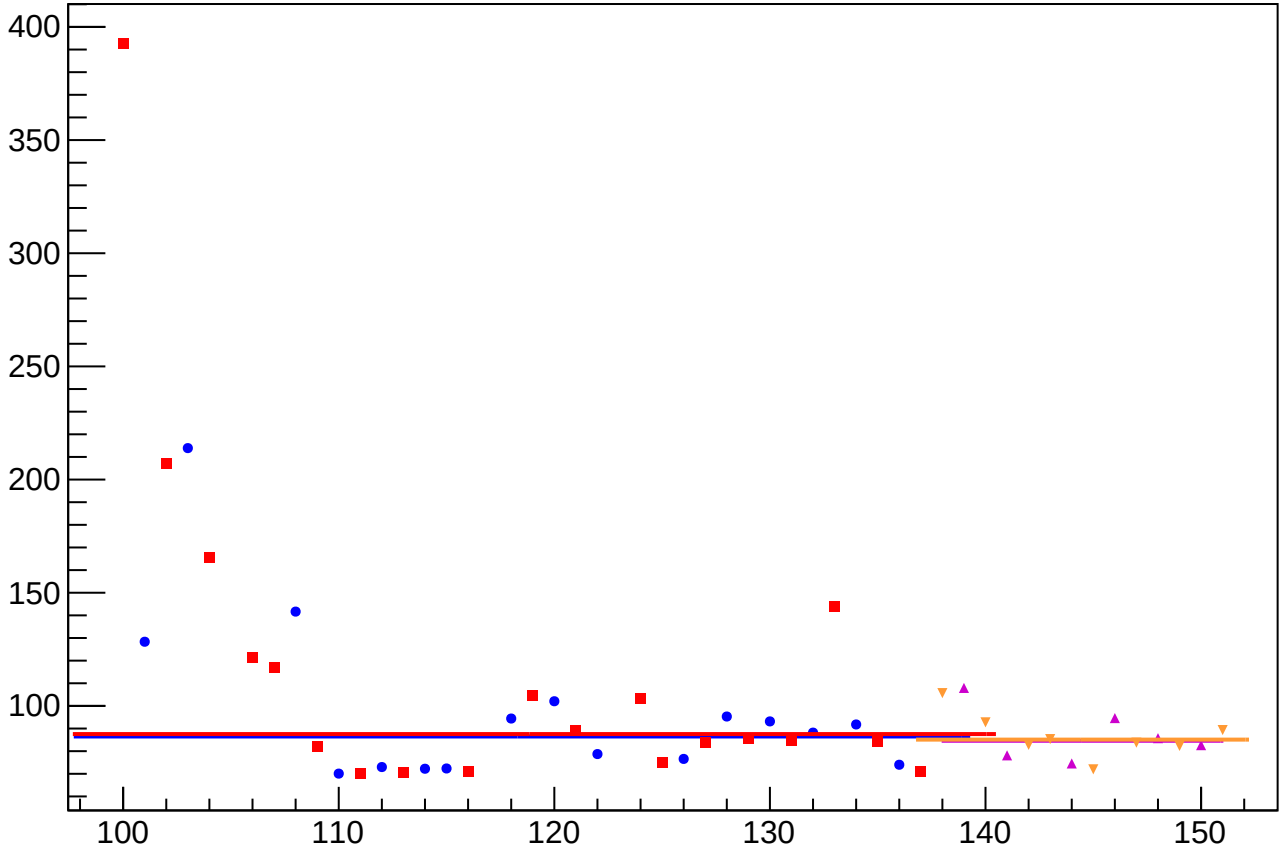
Left In: -78.380+/-37.983 χ^2/NDF:8.5/5

+ sign 87.014+/-24.322 χ^2/NDF: 46.2/23

All: 35.664+/-17.555 χ^2/NDF: 91.9/48

- sign -20.178+/-25.363 χ^2/NDF: 36.4/24

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF: 856249.6/15

Left Out: 85.104+/-0.025 χ^2/NDF:123959.2/7

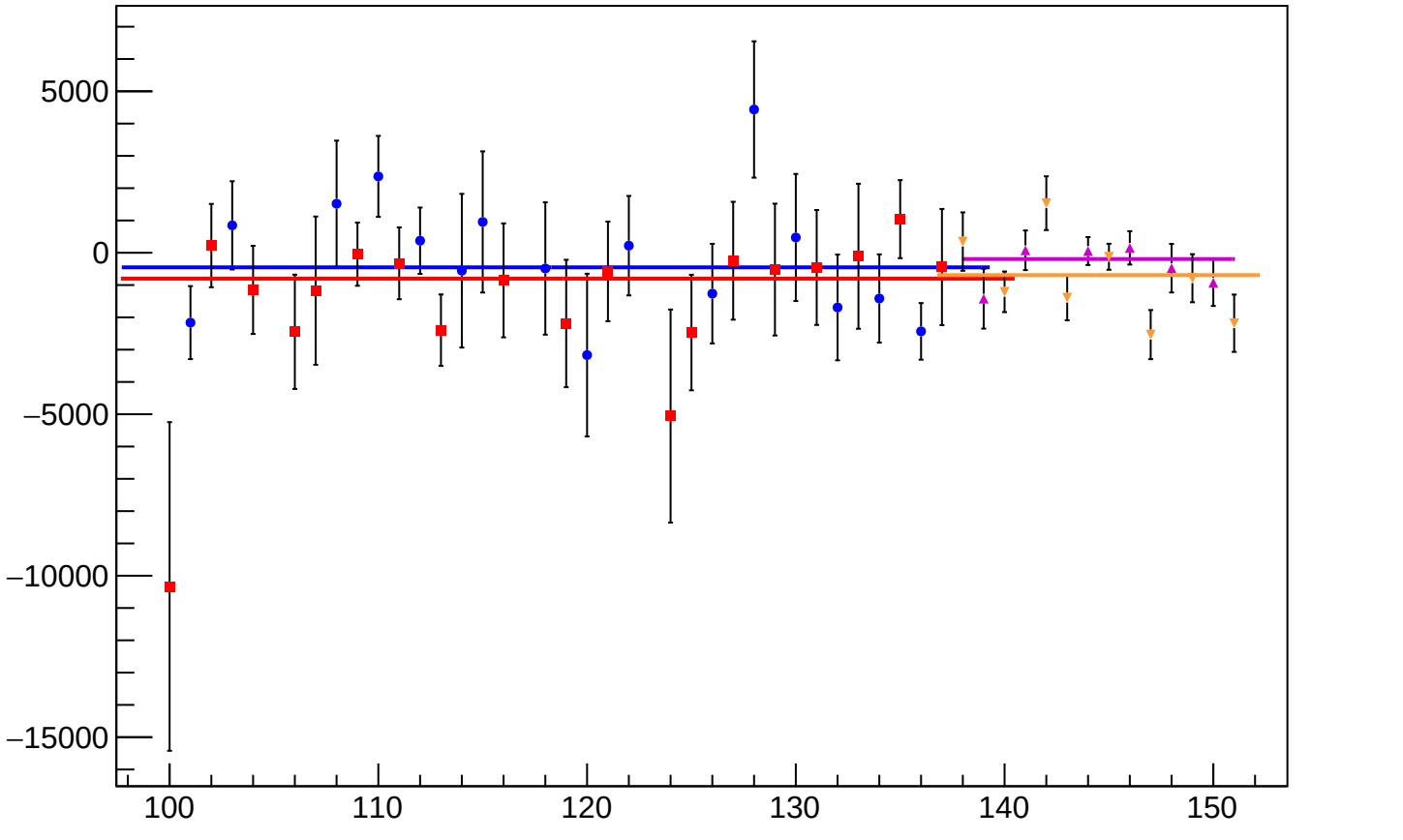
Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 84.593+/-0.027 χ^2/NDF:140048.0/5

+ sign 85.823+/-0.017 χ^2/NDF: 981828.8/23

All: 86.020+/-0.012 χ^2/NDF: 2258682.0/48

- sign 86.234+/-0.018 χ^2/NDF: 1276579.3/24



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: -692.562+/-234.407 χ^2/NDF:20.8/7

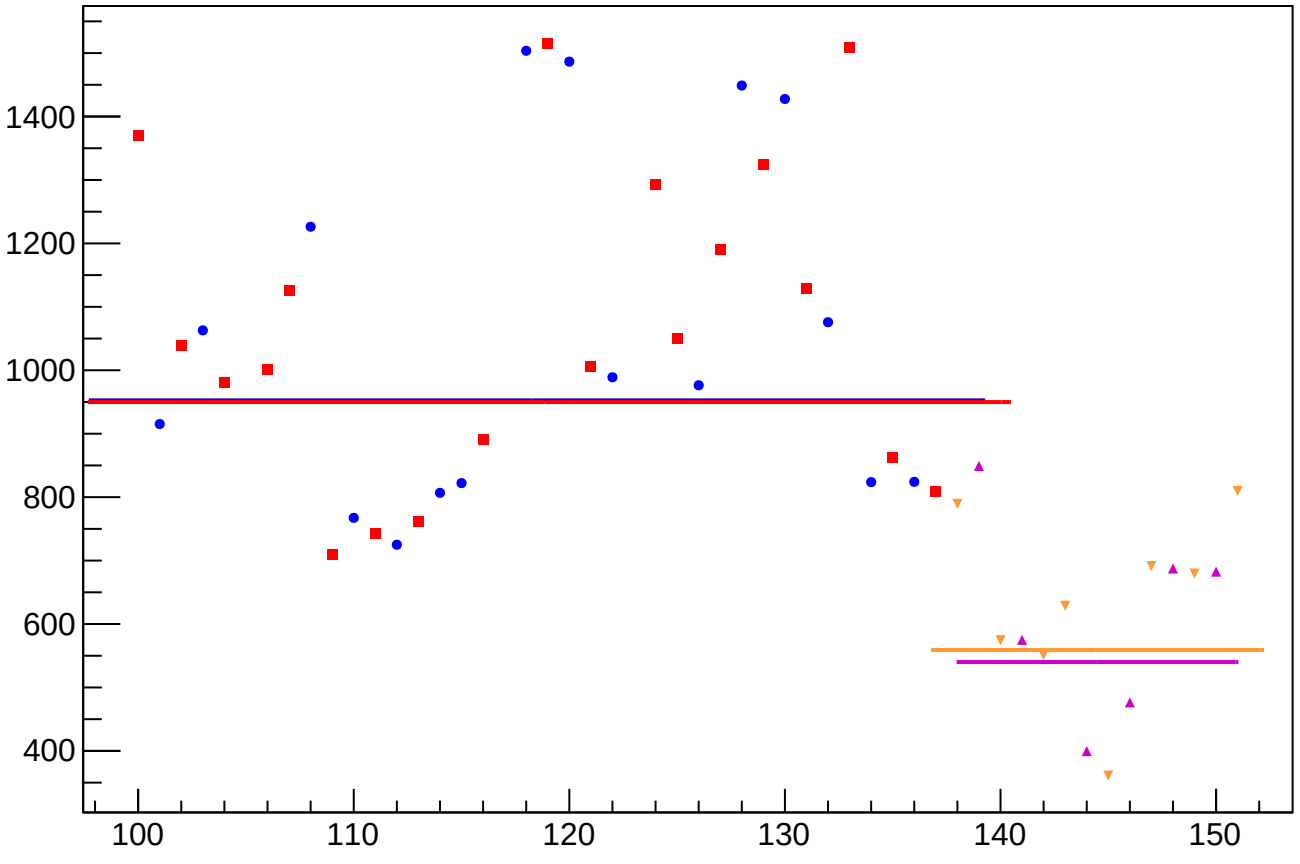
Right Out: -801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: -194.318+/-245.484 χ^2/NDF:3.9/5

+ sign -622.300+/-197.332 χ^2/NDF: 44.9/23

All: -508.389+/-141.304 χ^2/NDF: 65.0/48

- sign -388.511+/-202.434 χ^2/NDF: 19.5/24



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 559.004+/-0.166 χ^2/NDF:905971.2/7

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

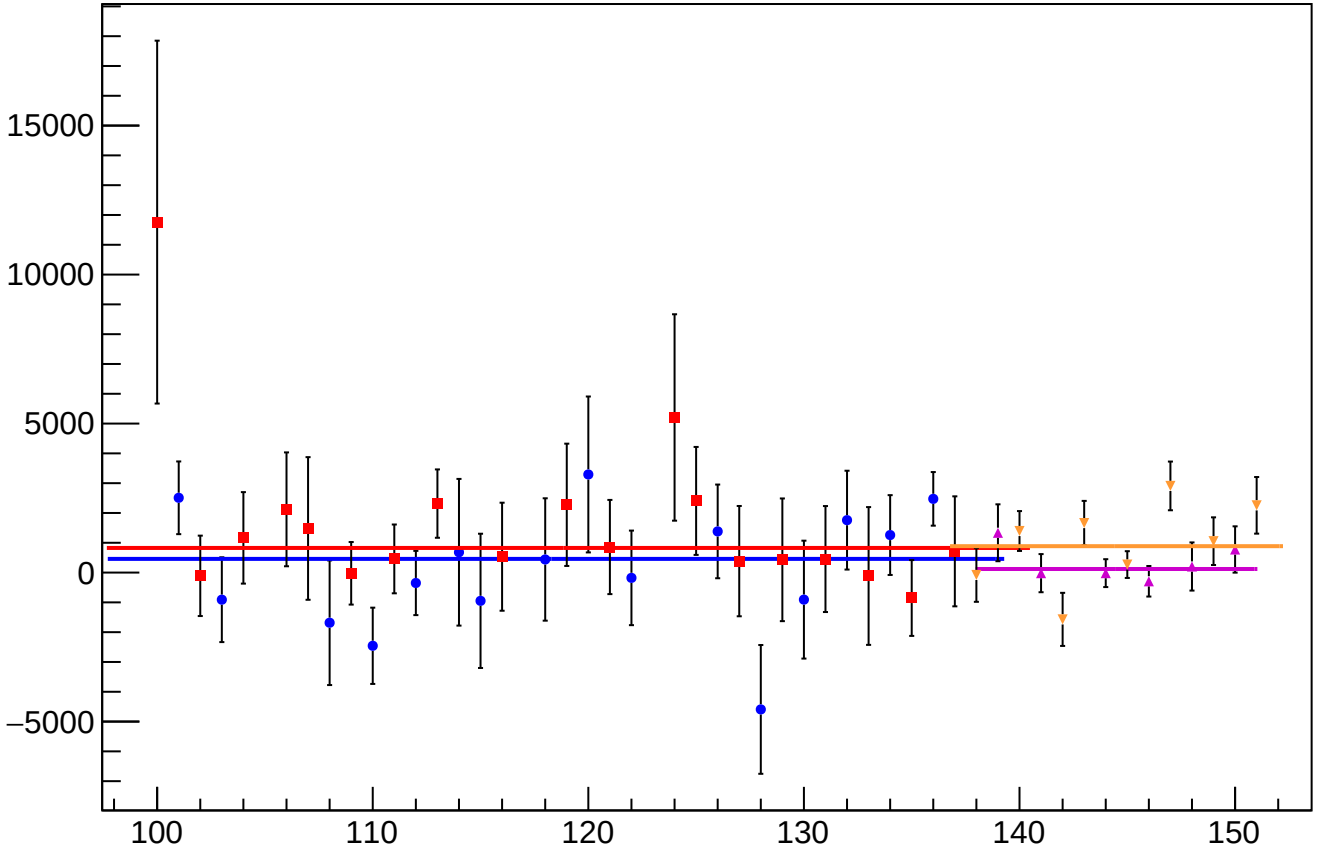
Left In: 540.098+/-0.174 χ^2/NDF:625217.4/5

+ sign 673.652+/-0.140 χ^2/NDF: 3294592.5/23

All: 672.469+/-0.100 χ^2/NDF: 6454984.7/48

- sign 671.224+/-0.143 χ^2/NDF: 3160244.7/24

asym_sam_37_avg_mean vs Slug



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 885.794+/-252.682 χ^2/NDF:20.6/7

Right Out: 826.531+/-374.244 χ^2/NDF: 11.7/18

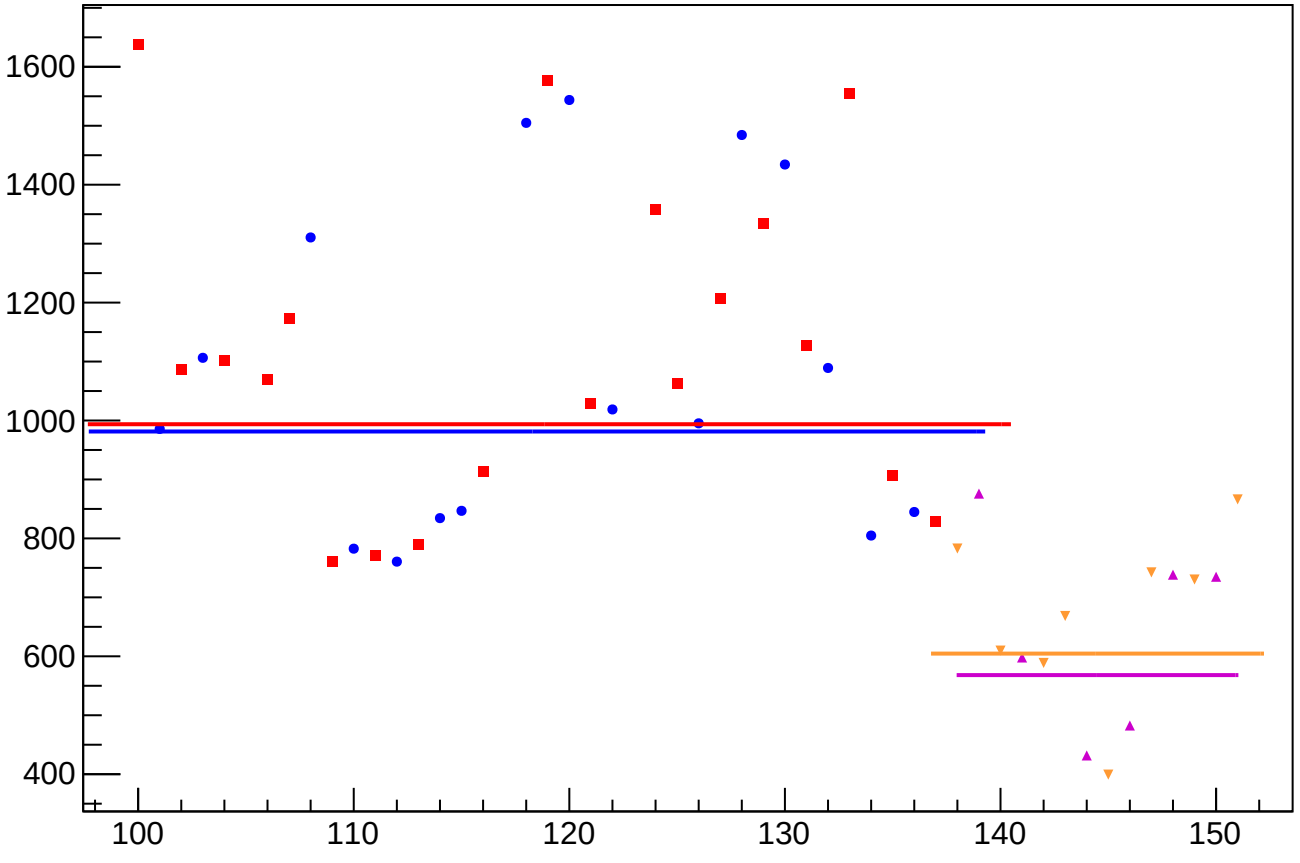
Left In: 120.228+/-257.315 χ^2/NDF:3.1/5

+ sign 753.479+/-209.875 χ^2/NDF: 46.0/23

All: 552.291+/-149.161 χ^2/NDF: 65.1/48

- sign 346.946+/-212.032 χ^2/NDF: 17.2/24

asym_sam_37_avg_rms vs Slug



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 604.595+/-0.179 χ^2/NDF:769650.8/7

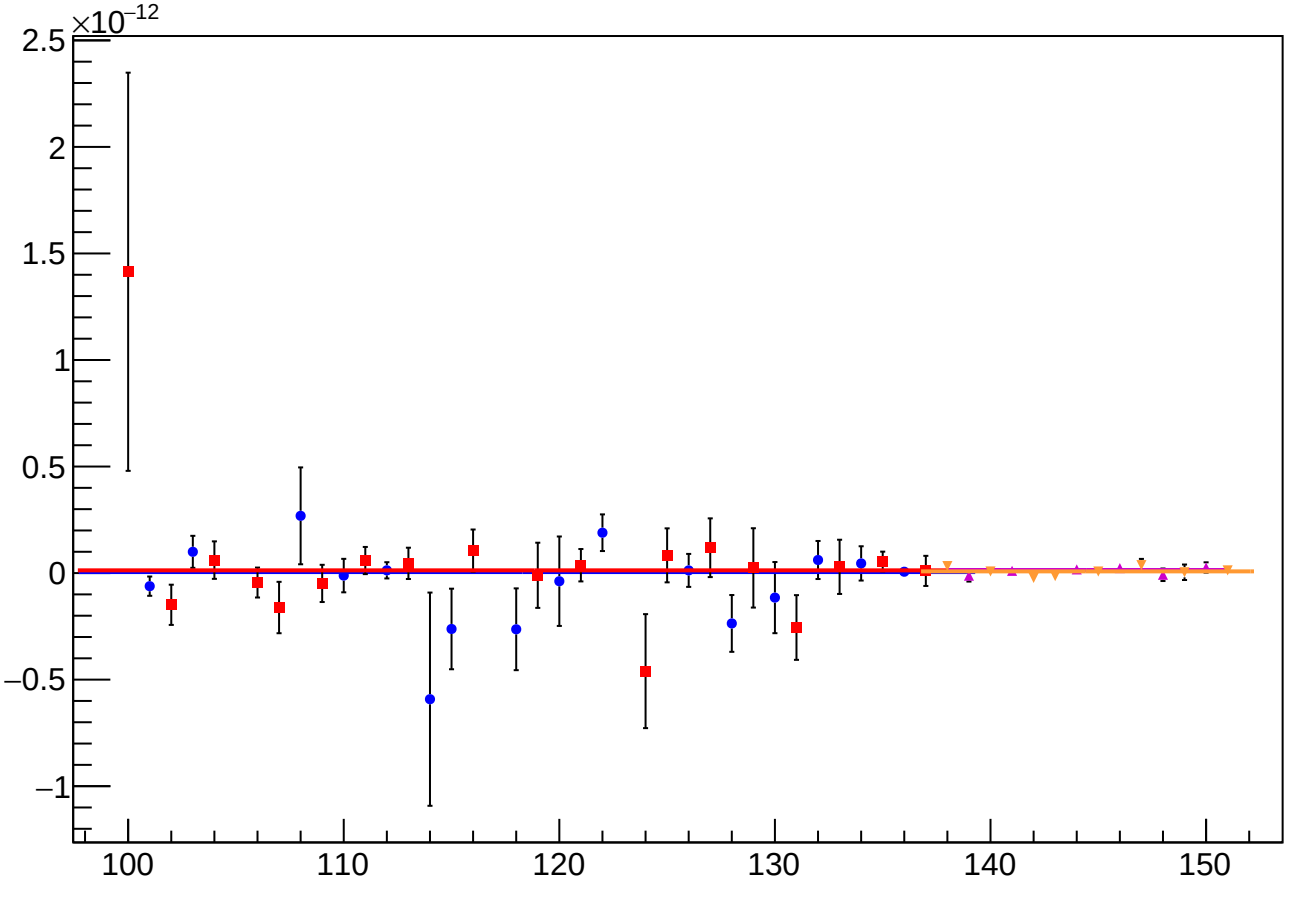
Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 568.117+/-0.182 χ^2/NDF:619015.8/5

+ sign 721.434+/-0.148 χ^2/NDF: 2886162.4/23

All: 713.163+/-0.105 χ^2/NDF: 5987284.2/48

- sign 704.721+/-0.150 χ^2/NDF: 3094844.9/24



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.2/7

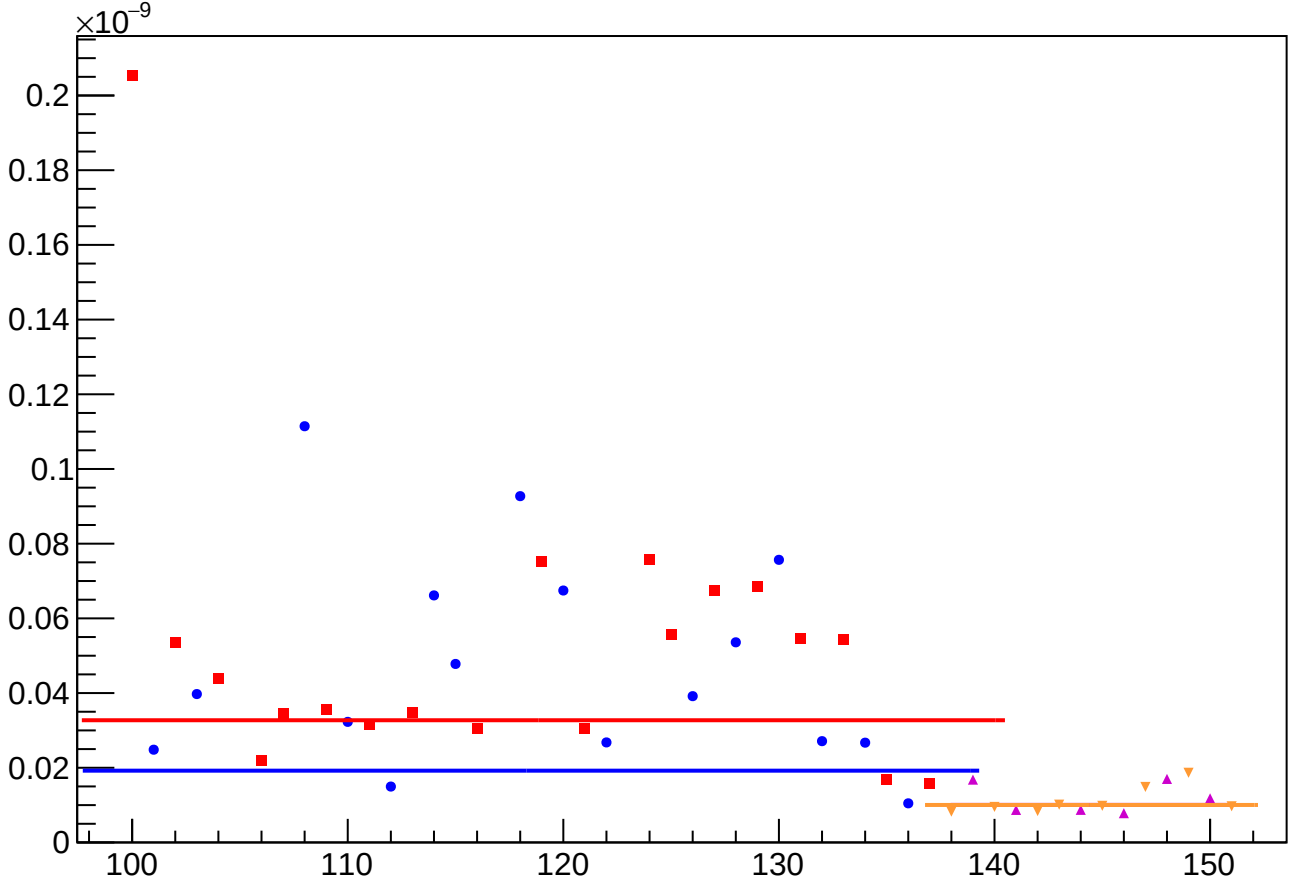
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:2.2/5

+ sign 0.000+/-0.000 χ^2/NDF: 25.9/23

All: 0.000+/-0.000 χ^2/NDF: 47.0/48

- sign 0.000+/-0.000 χ^2/NDF: 20.6/24



Right In: 0.000+/-0.000 χ^2/NDF: 1977908.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:200464.1/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1181327.3/18

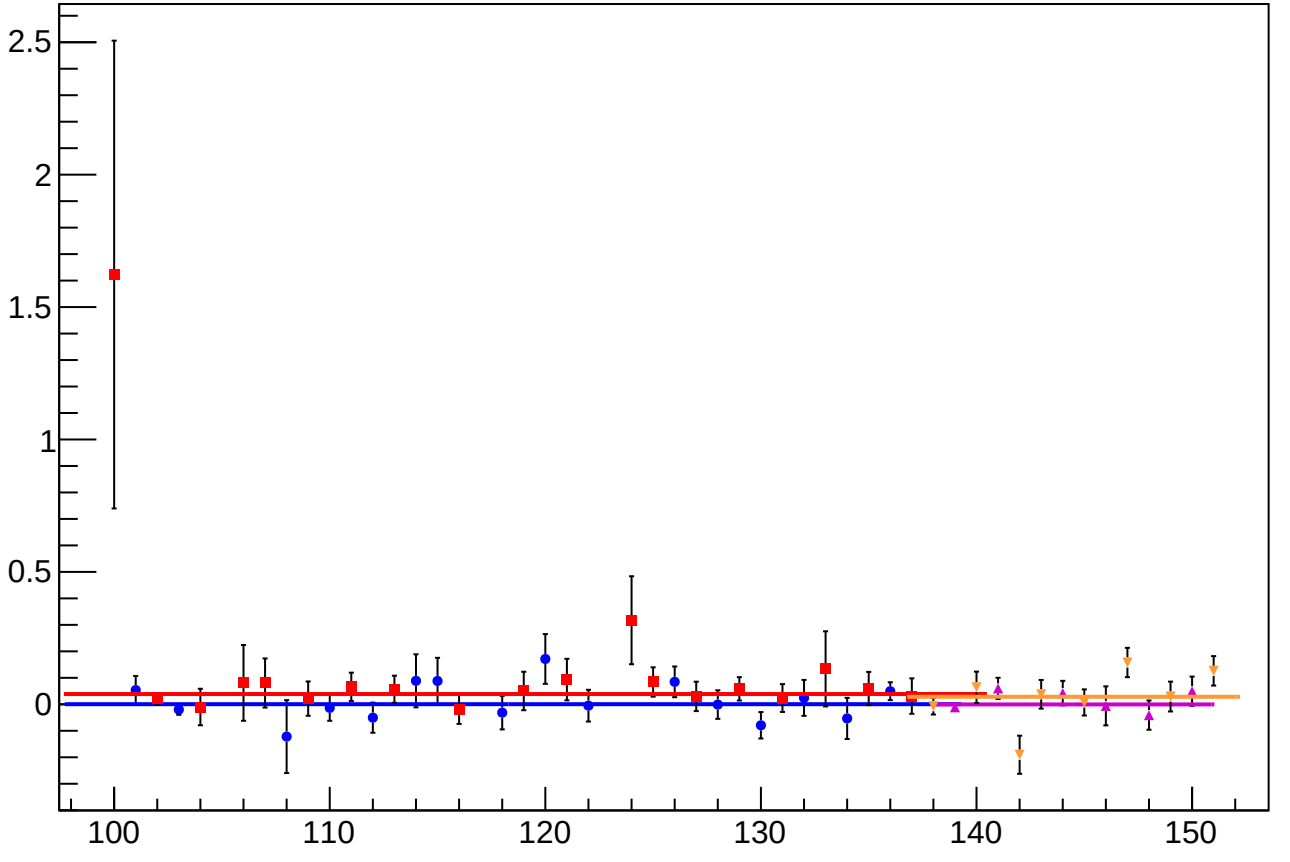
Left In: 0.000+/-0.000 χ^2/NDF:311857.8/5

+ sign 0.000+/-0.000 χ^2/NDF: 2824420.7/23

All: 0.000+/-0.000 χ^2/NDF: 6429309.3/48

- sign 0.000+/-0.000 χ^2/NDF: 3584358.8/24

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: 0.029+/-0.018 χ^2/NDF:19.7/7

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

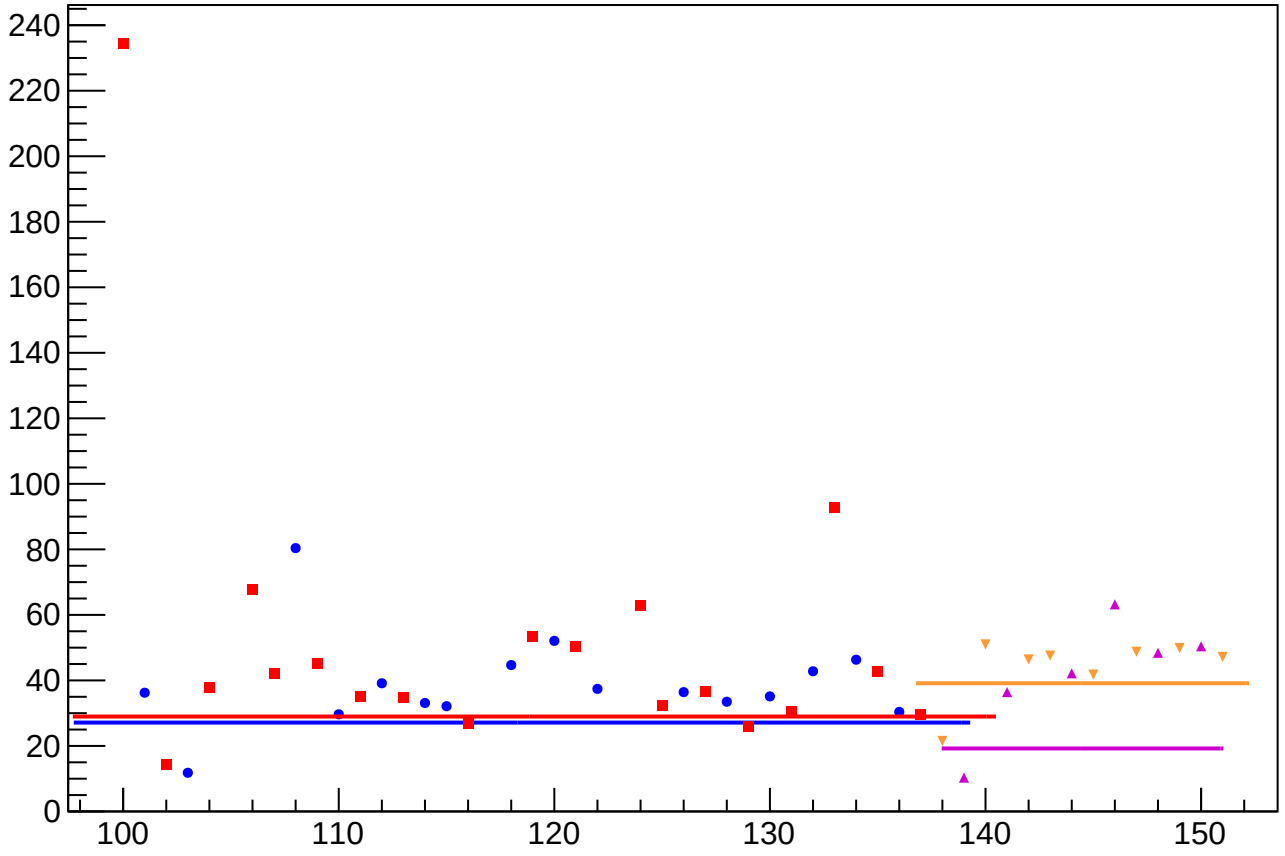
Left In: -0.000+/-0.012 χ^2/NDF:5.1/5

+ sign 0.009+/-0.010 χ^2/NDF: 37.9/23

All: 0.014+/-0.006 χ^2/NDF: 59.7/48

- sign 0.017+/-0.009 χ^2/NDF: 21.4/24

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: 39.139+/-0.012 χ^2/NDF:958759.5/7

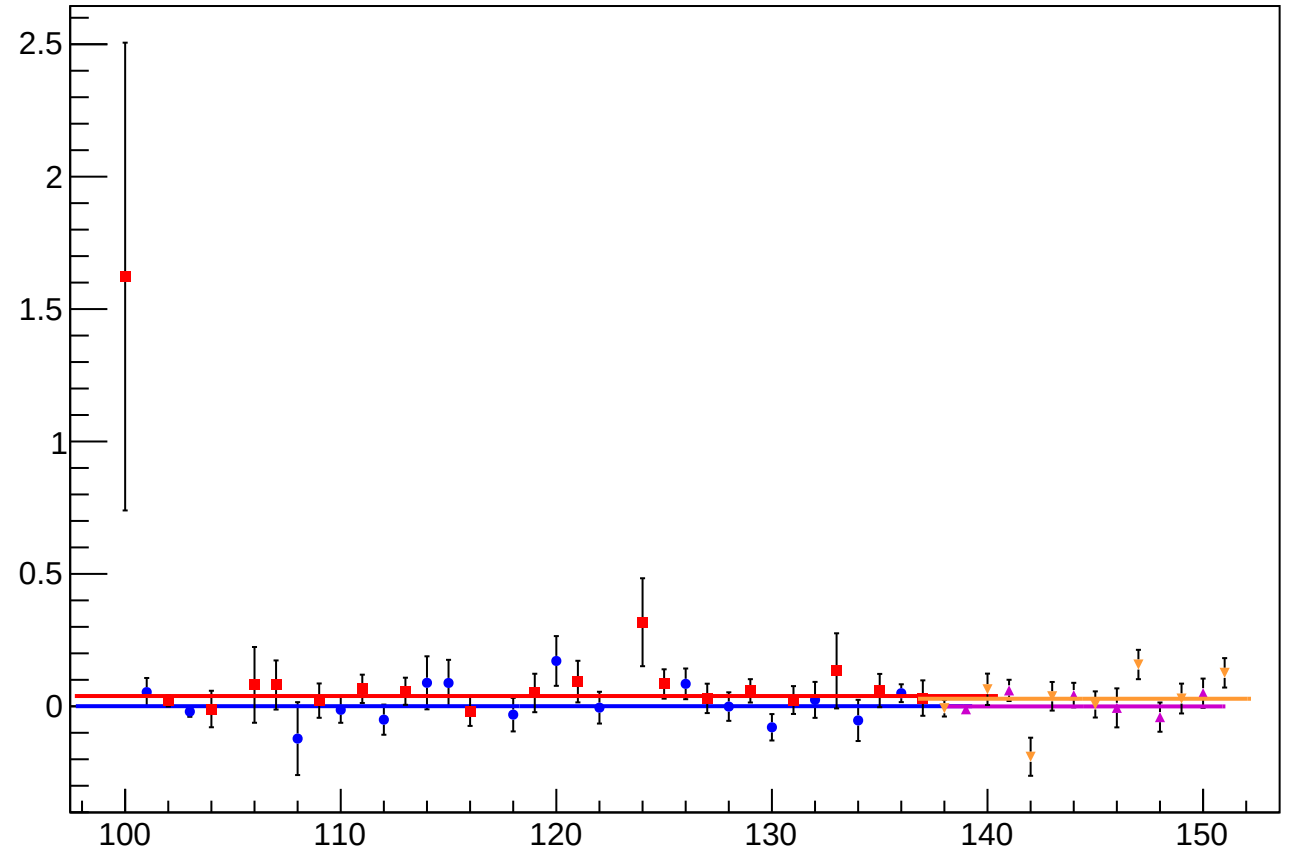
Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 19.227+/-0.008 χ^2/NDF:3651856.4/5

+ sign 30.940+/-0.007 χ^2/NDF: 4006502.6/23

All: 26.755+/-0.005 χ^2/NDF: 11378220.4/48

- sign 23.672+/-0.006 χ^2/NDF: 6756277.2/24



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.029+/-0.018 χ^2/NDF:19.7/7

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

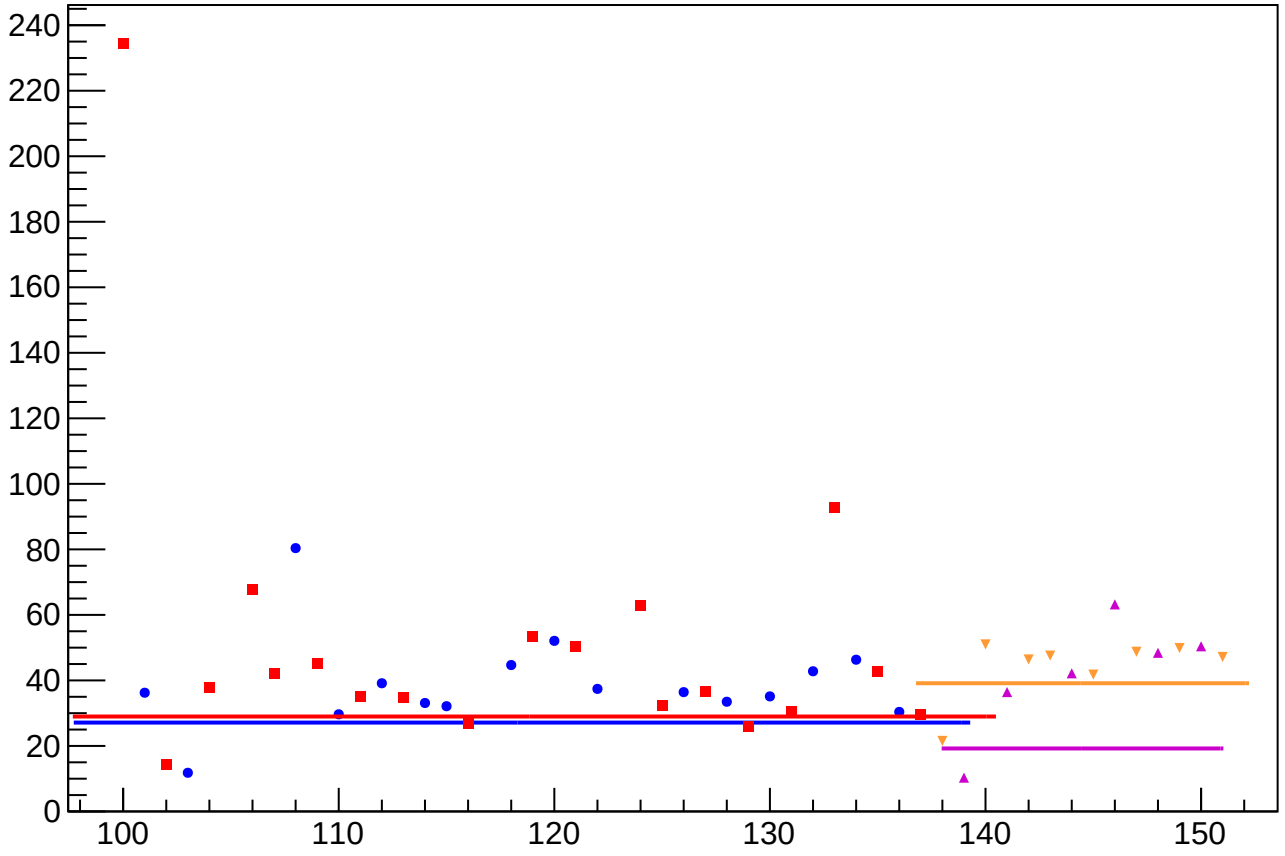
Left In: -0.000+/-0.012 χ^2/NDF:5.1/5

+ sign 0.009+/-0.010 χ^2/NDF: 37.9/23

All: 0.014+/-0.006 χ^2/NDF: 59.7/48

- sign 0.017+/-0.009 χ^2/NDF: 21.4/24

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 39.139+/-0.012 χ^2/NDF:958759.5/7

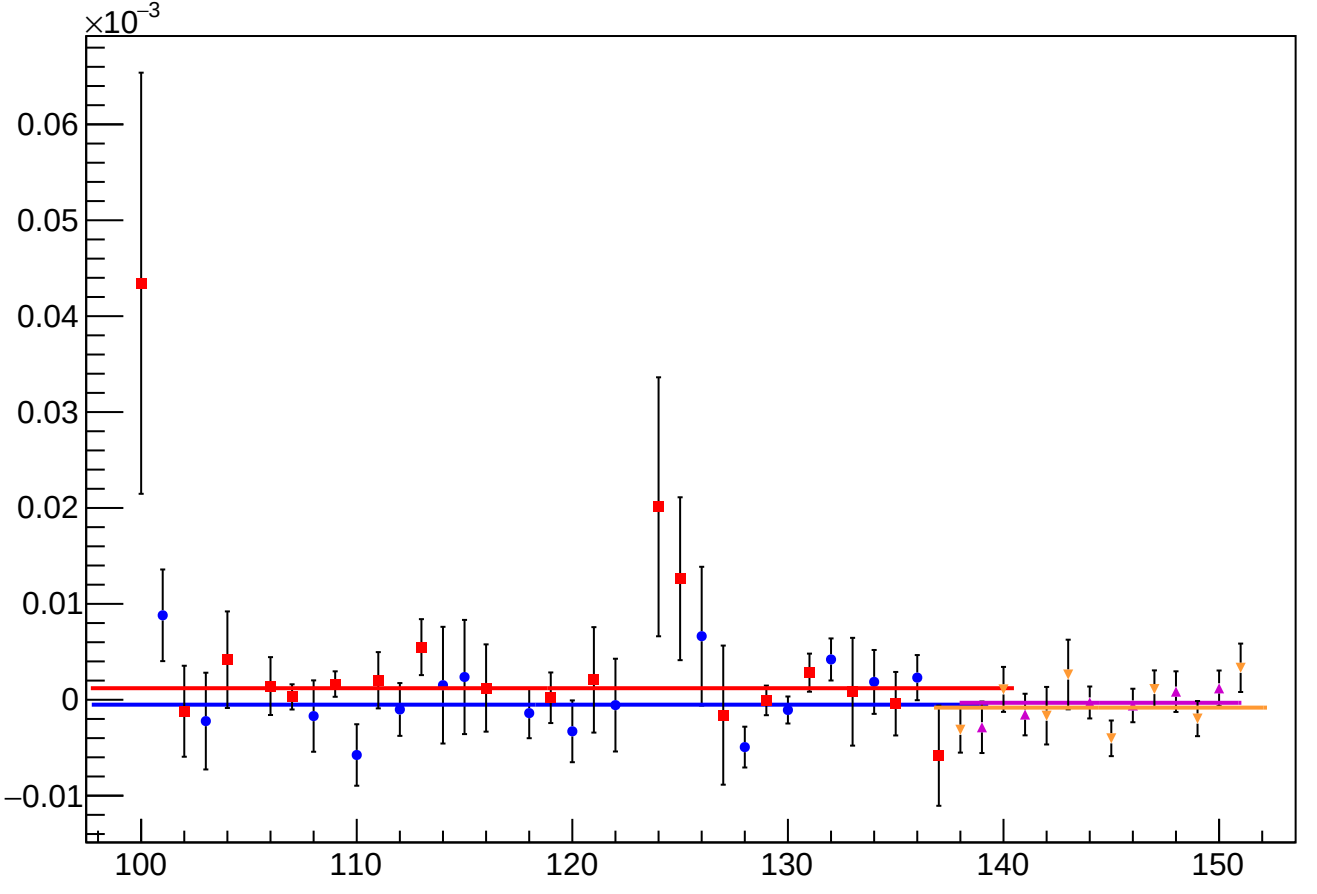
Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 19.227+/-0.008 χ^2/NDF:3651856.4/5

+ sign 30.940+/-0.007 χ^2/NDF: 4006502.6/23

All: 26.755+/-0.005 χ^2/NDF: 11378220.4/48

- sign 23.672+/-0.006 χ^2/NDF: 6756277.2/24



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.6/7

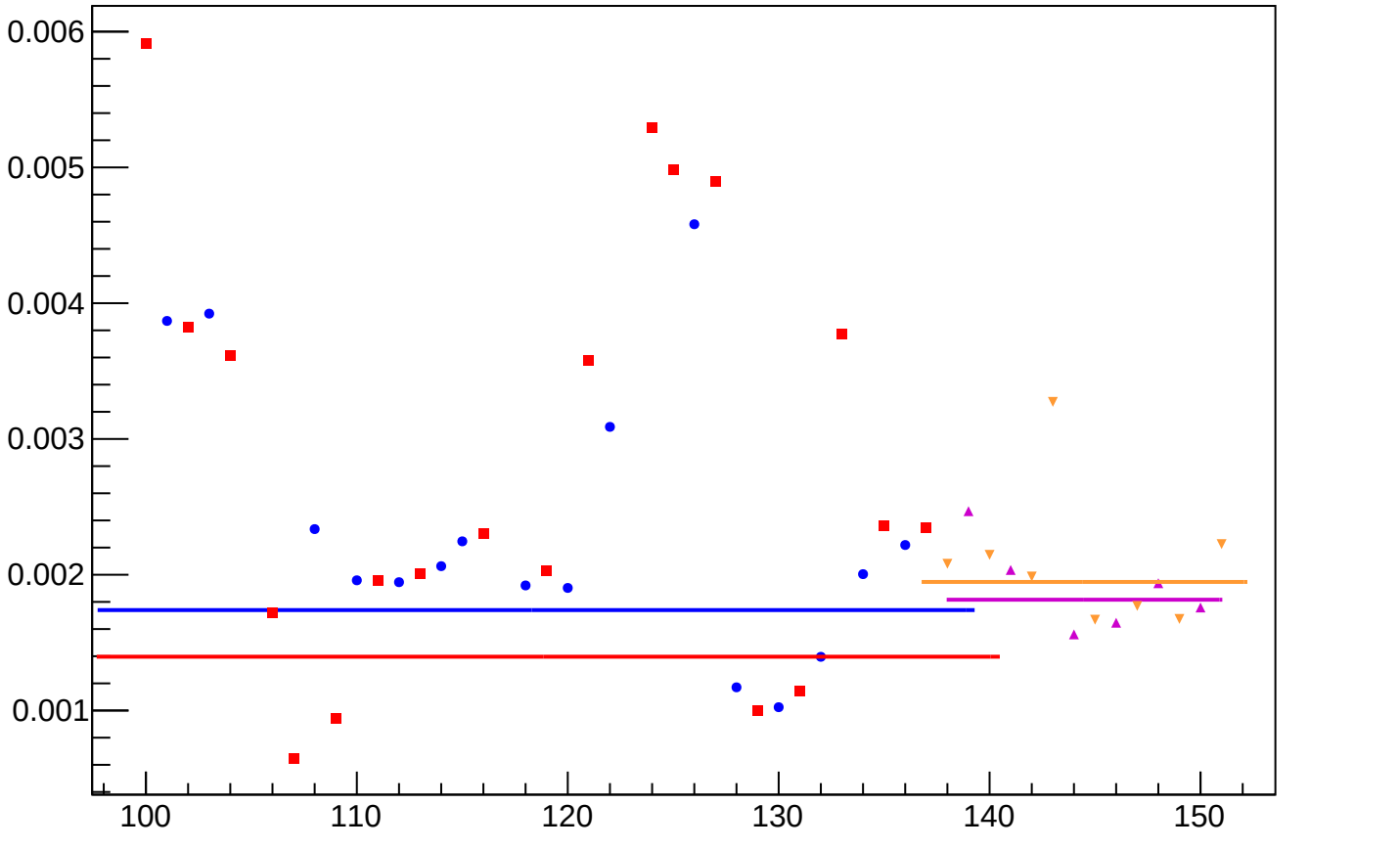
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:2.2/5

+ sign -0.000+/-0.000 χ^2/NDF: 29.7/23

All: 0.000+/-0.000 χ^2/NDF: 52.0/48

- sign 0.000+/-0.000 χ^2/NDF: 19.1/24



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:417668.1/7

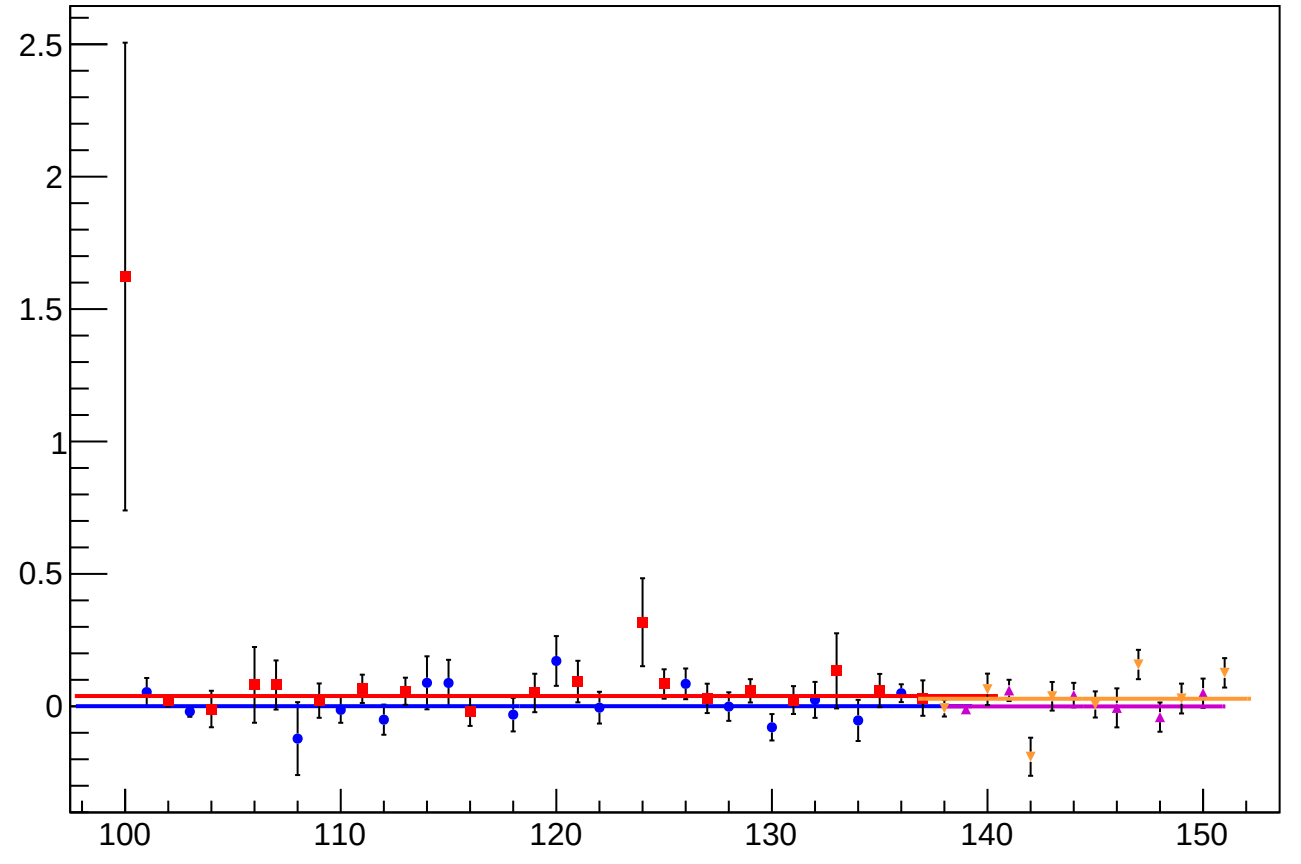
Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

Left In: 0.002+/-0.000 χ^2/NDF:212646.3/5

+ sign 0.002+/-0.000 χ^2/NDF: 2638743.2/23

All: 0.002+/-0.000 χ^2/NDF: 7823109.8/48

- sign 0.002+/-0.000 χ^2/NDF: 4881729.6/24



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.029+/-0.018 χ^2/NDF:19.7/7

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

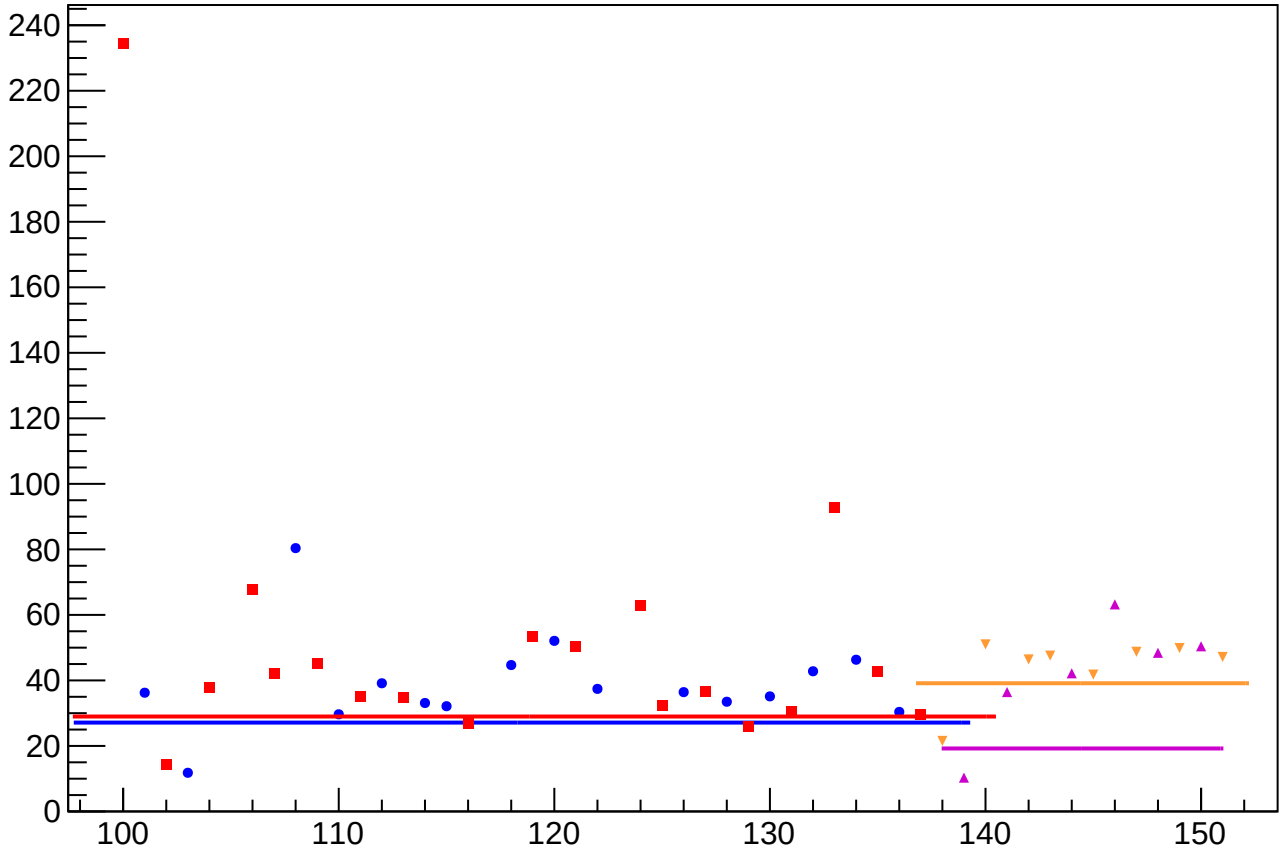
Left In: -0.000+/-0.012 χ^2/NDF:5.1/5

+ sign 0.009+/-0.010 χ^2/NDF: 37.9/23

All: 0.014+/-0.006 χ^2/NDF: 59.7/48

- sign 0.017+/-0.009 χ^2/NDF: 21.4/24

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: 39.137+/-0.012 χ^2/NDF:959189.2/7

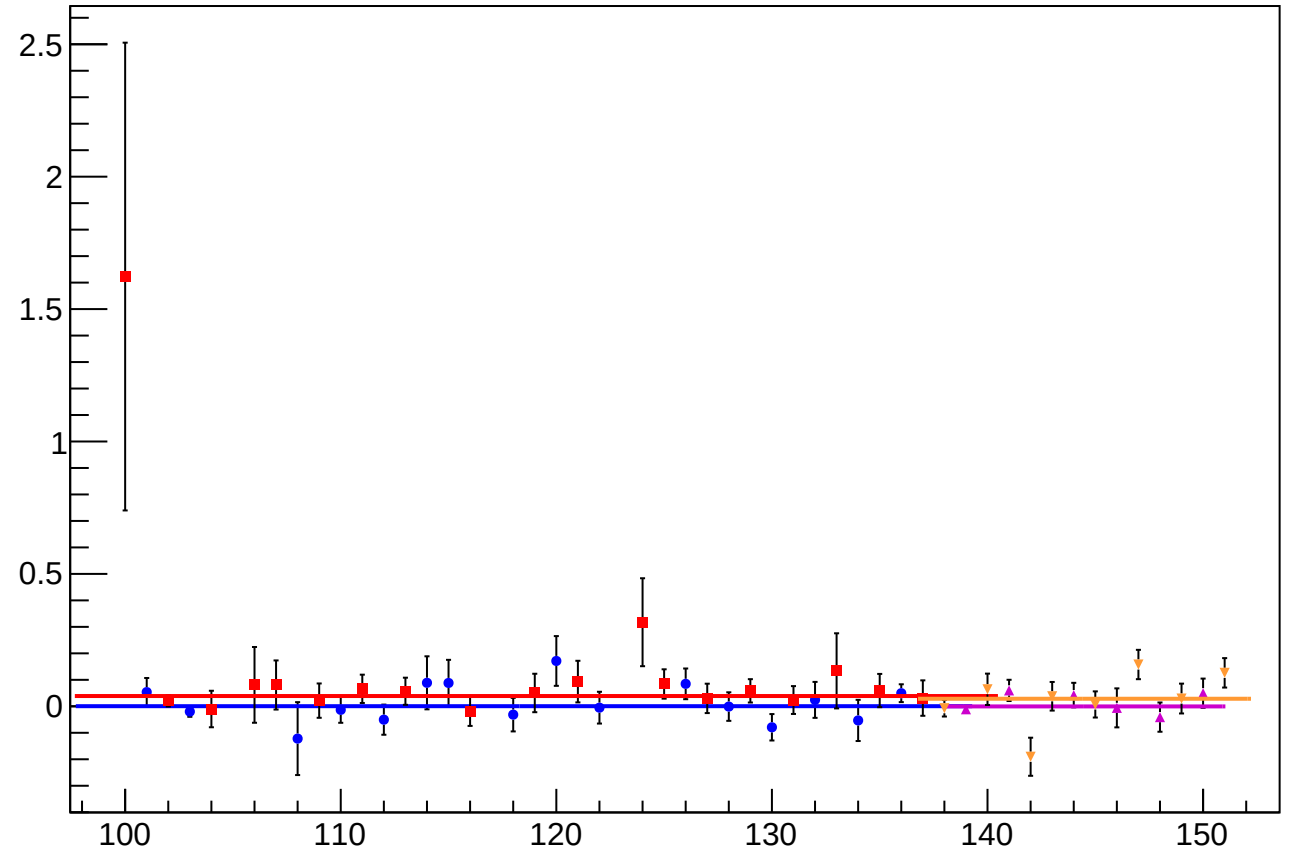
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 19.224+/-0.008 χ^2/NDF:3652292.0/5

+ sign 30.939+/-0.007 χ^2/NDF: 4007167.7/23

All: 26.754+/-0.005 χ^2/NDF: 11379312.4/48

- sign 23.672+/-0.006 χ^2/NDF: 6756760.5/24



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.029+/-0.018 χ^2/NDF:19.7/7

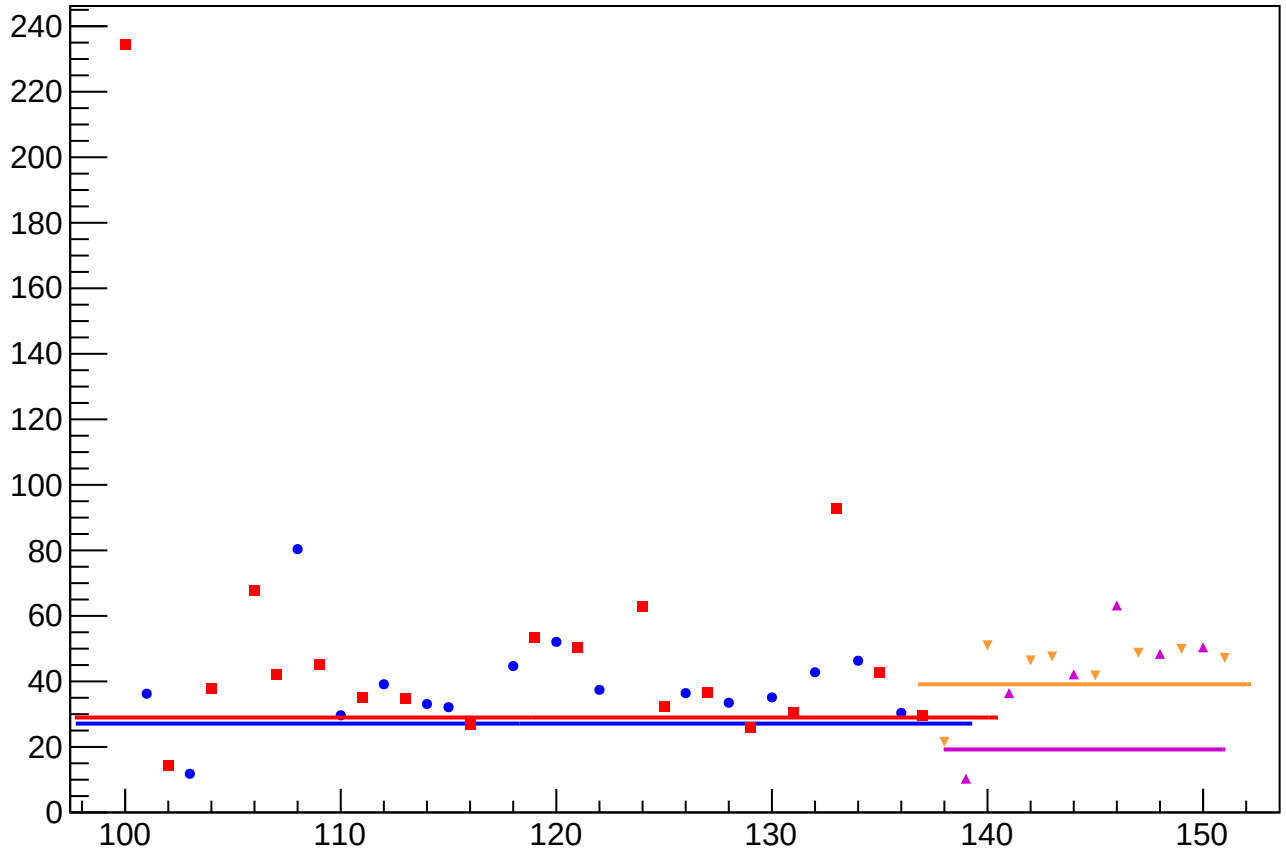
Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.000+/-0.012 χ^2/NDF:5.1/5

+ sign 0.009+/-0.010 χ^2/NDF: 37.9/23

All: 0.014+/-0.006 χ^2/NDF: 59.7/48

- sign 0.017+/-0.009 χ^2/NDF: 21.4/24



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 39.137+/-0.012 χ^2/NDF:959189.2/7

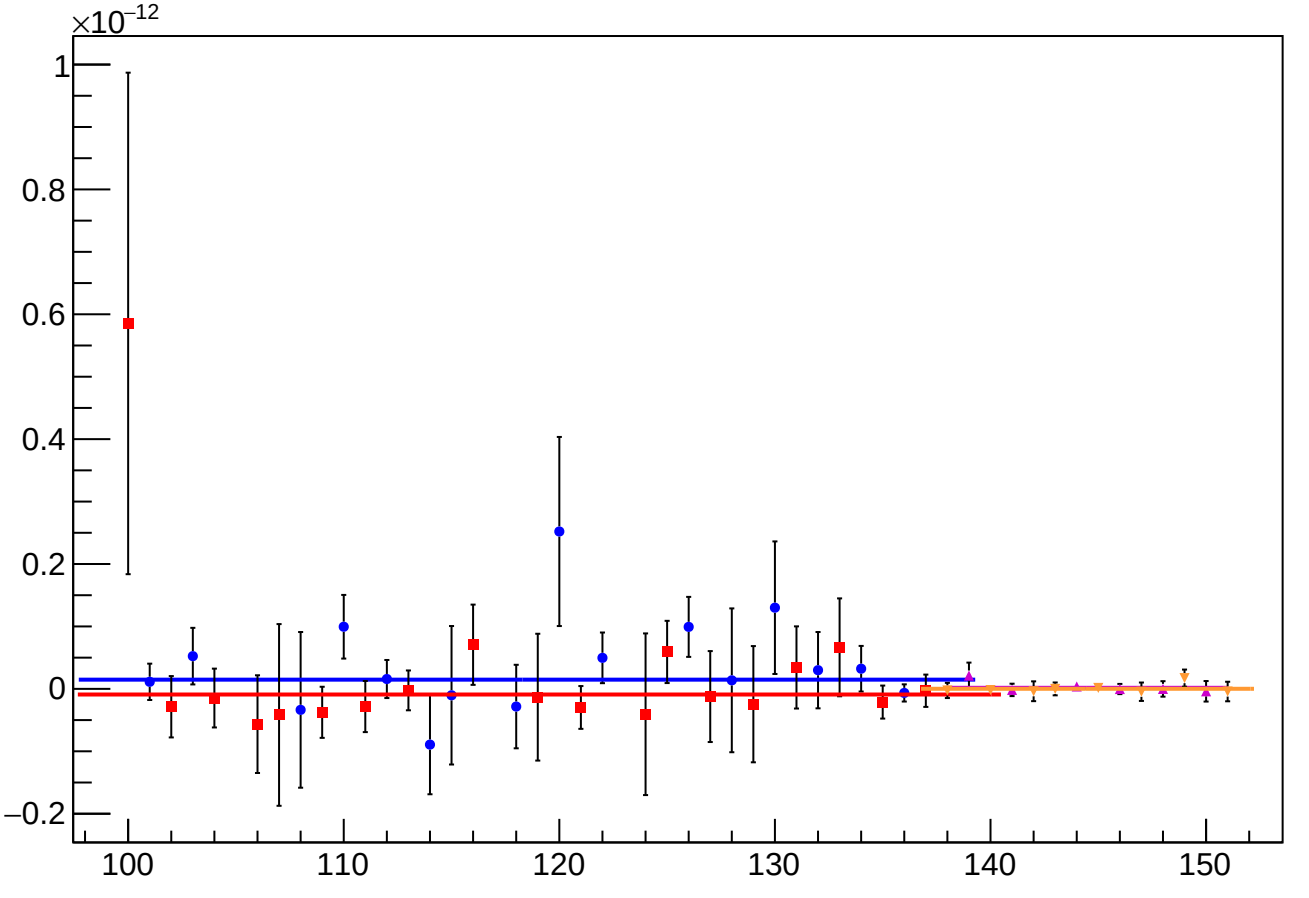
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 19.224+/-0.008 χ^2/NDF:3652292.0/5

\+ sign 30.939+/-0.007 χ^2/NDF: 4007167.7/23

All: 26.754+/-0.005 χ^2/NDF: 11379312.4/48

\- sign 23.672+/-0.006 χ^2/NDF: 6756760.5/24



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.0/7

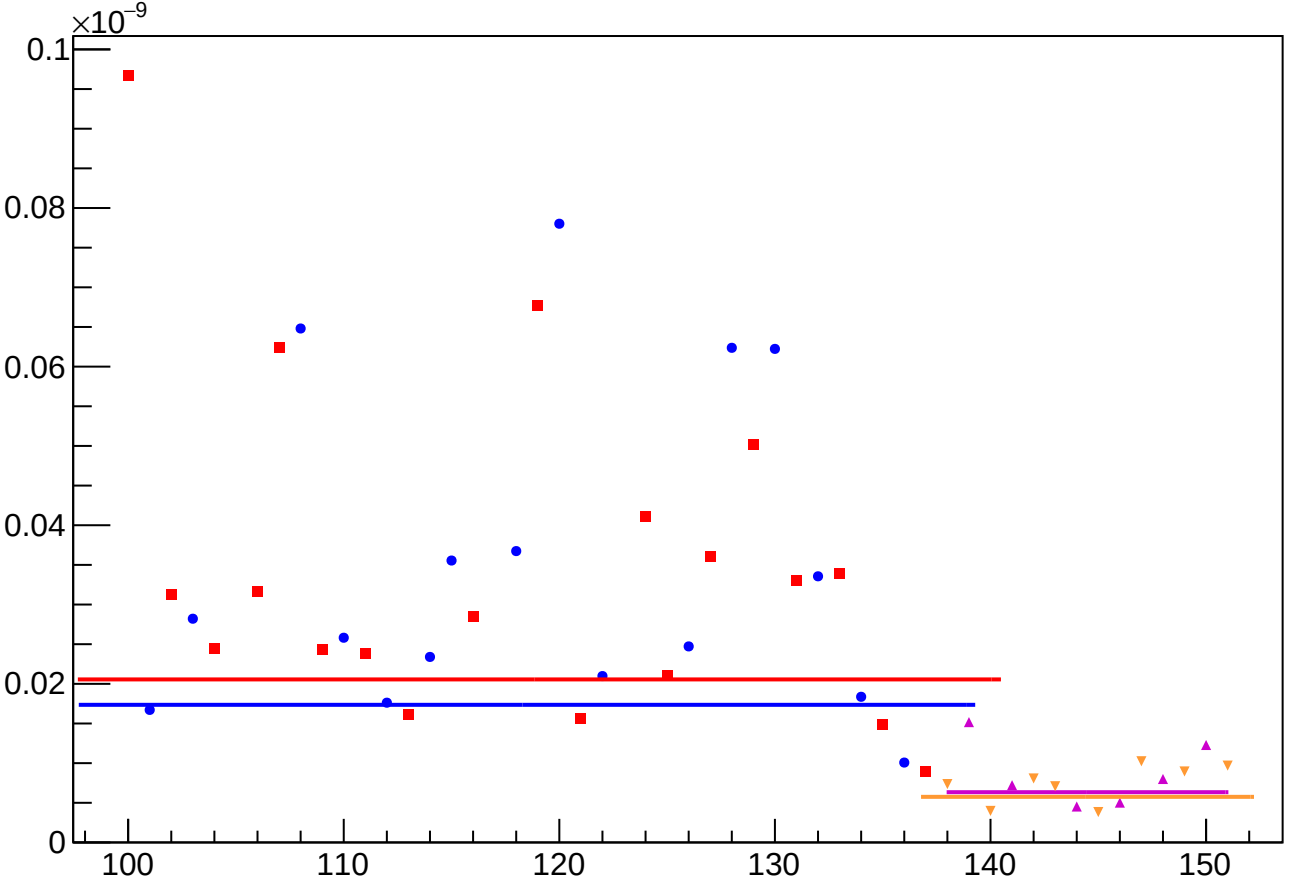
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1.3/5

+ sign 0.000+/-0.000 χ^2/NDF: 20.0/23

All: 0.000+/-0.000 χ^2/NDF: 31.3/48

- sign 0.000+/-0.000 χ^2/NDF: 11.2/24



Right In: 0.000+/-0.000 χ^2/NDF: 2442014.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:851775.2/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1925673.6/18

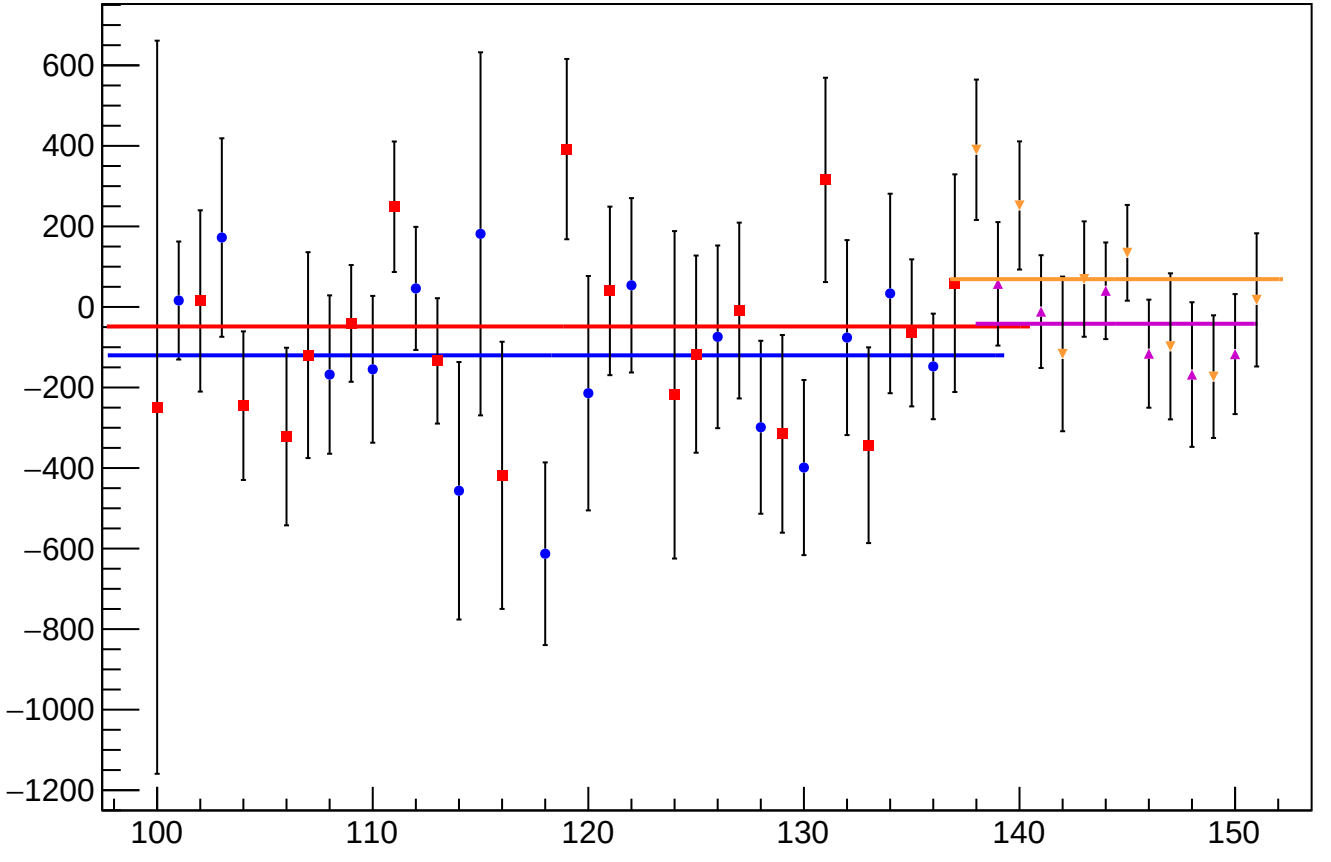
Left In: 0.000+/-0.000 χ^2/NDF:880128.9/5

+ sign 0.000+/-0.000 χ^2/NDF: 5942325.9/23

All: 0.000+/-0.000 χ^2/NDF: 11842995.2/48

- sign 0.000+/-0.000 χ^2/NDF: 5833872.2/24

reg_asym_sam_48_avg_mean vs Slug



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 69.054+/-55.128 χ^2/NDF:9.4/7

Right Out: -48.449+/-49.910 χ^2/NDF: 17.0/18

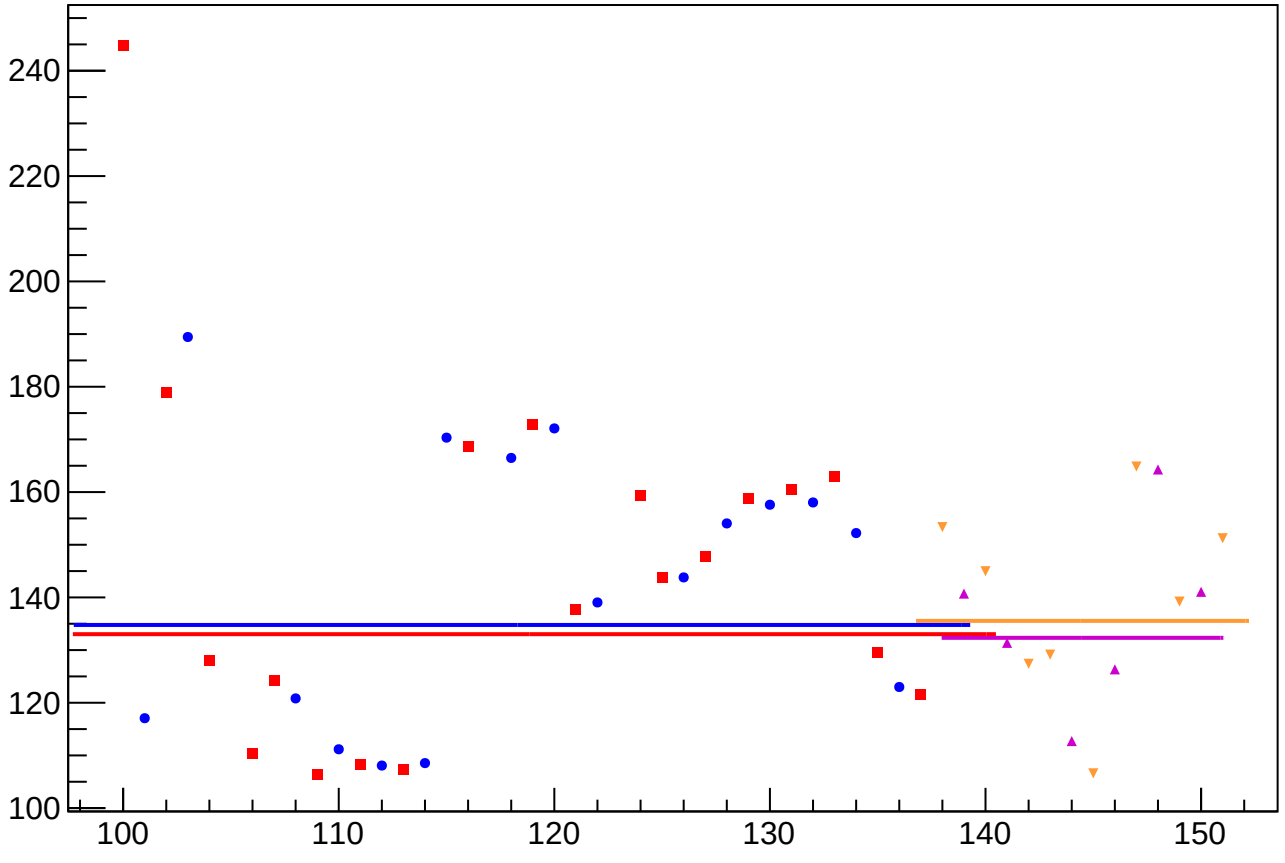
Left In: -41.704+/-58.257 χ^2/NDF:2.0/5

\+ sign -32.711+/-37.478 χ^2/NDF: 29.2/23

All: -39.080+/-26.650 χ^2/NDF: 48.2/48

\- sign -45.593+/-37.902 χ^2/NDF: 19.0/24

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 135.544+/-0.039 χ^2/NDF:225448.2/7

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

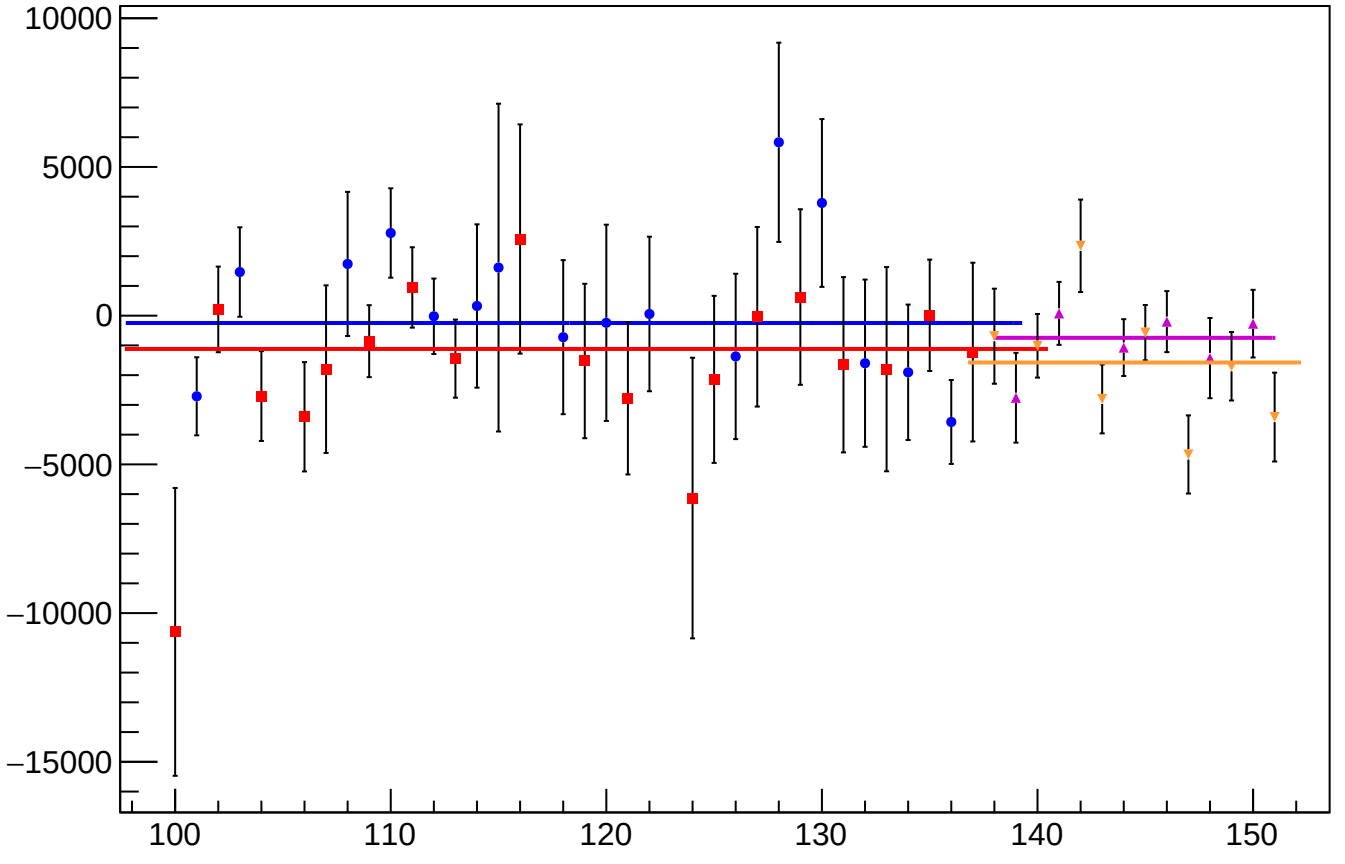
Left In: 132.329+/-0.041 χ^2/NDF:133727.6/5

+ sign 135.129+/-0.027 χ^2/NDF: 642438.6/23

All: 133.941+/-0.019 χ^2/NDF: 1276104.9/48

- sign 132.727+/-0.027 χ^2/NDF: 629606.7/24

asym_sam_48_avg_reg_correction_mean vs Slug



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -1575.012+/-431.699 χ^2/NDF:16.3/7

Right Out: -1119.420+/-468.400 χ^2/NDF: 13.4/18

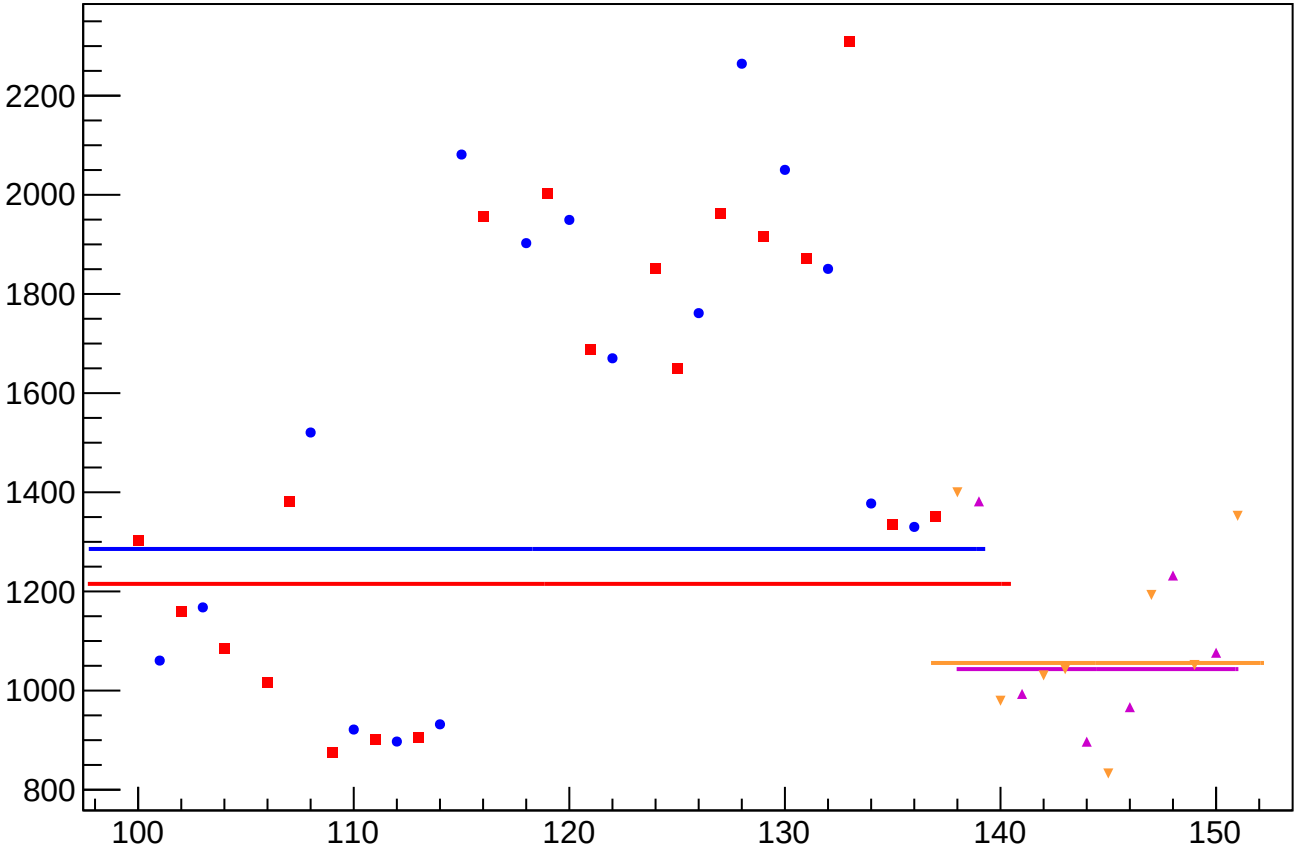
Left In: -744.830+/-461.172 χ^2/NDF:3.2/5

+ sign -1009.400+/-327.152 χ^2/NDF: 41.9/23

All: -969.486+/-231.850 χ^2/NDF: 58.9/48

- sign -929.213+/-328.623 χ^2/NDF: 16.9/24

asym_sam_48_avg_reg_correction_rms vs Slug



Right In: 1285.668+/-0.355 χ^2/NDF: 1170437.4/15

Left Out: 1055.708+/-0.305 χ^2/NDF:319591.1/7

Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

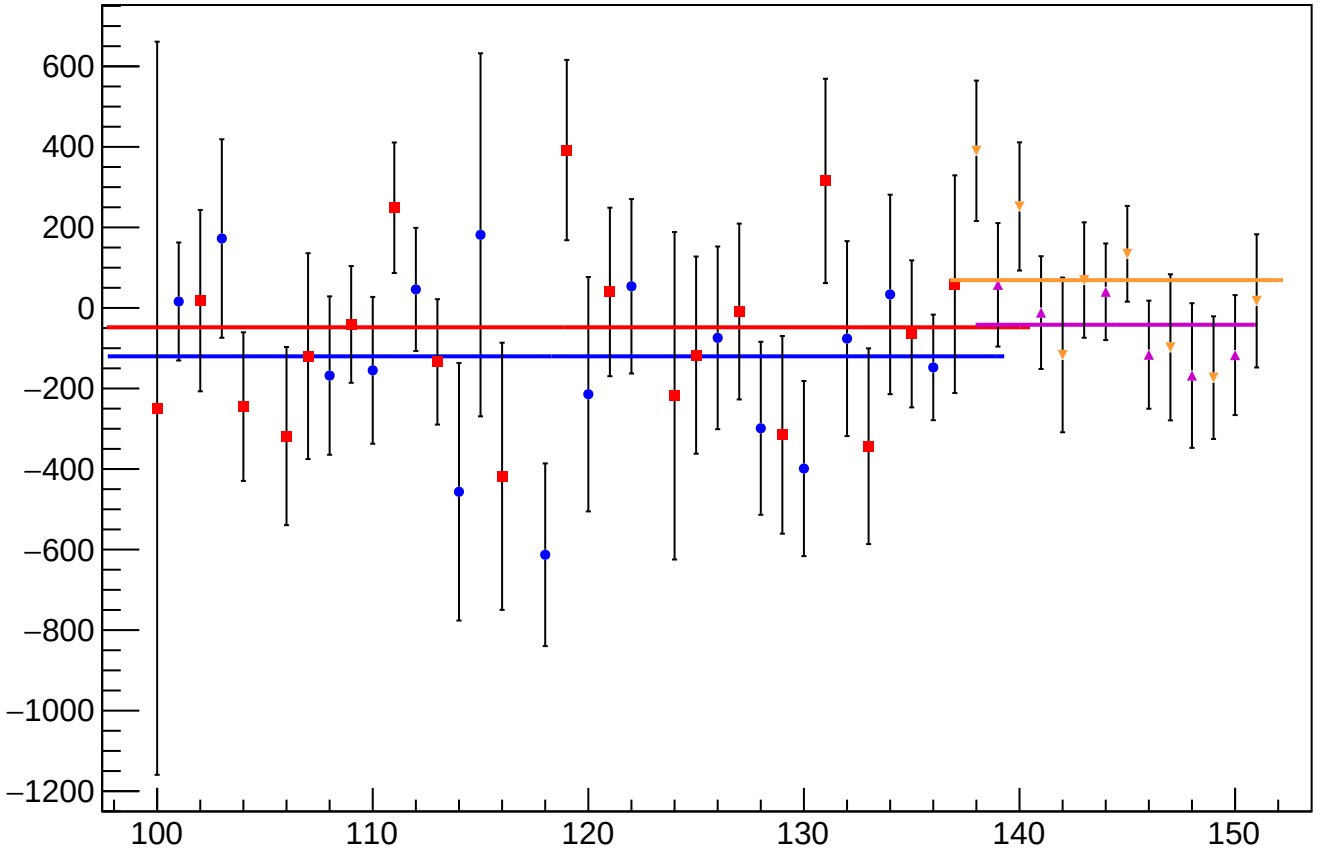
Left In: 1043.335+/-0.326 χ^2/NDF:204150.6/5

+ sign 1153.603+/-0.231 χ^2/NDF: 1731619.5/23

All: 1140.833+/-0.164 χ^2/NDF: 3464964.8/48

- sign 1127.949+/-0.232 χ^2/NDF: 1727224.1/24

cor_asym_sam_48_avg_mean vs Slug



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 69.067+/-55.128 χ^2/NDF:9.4/7

Right Out: -48.013+/-49.919 χ^2/NDF: 17.0/18

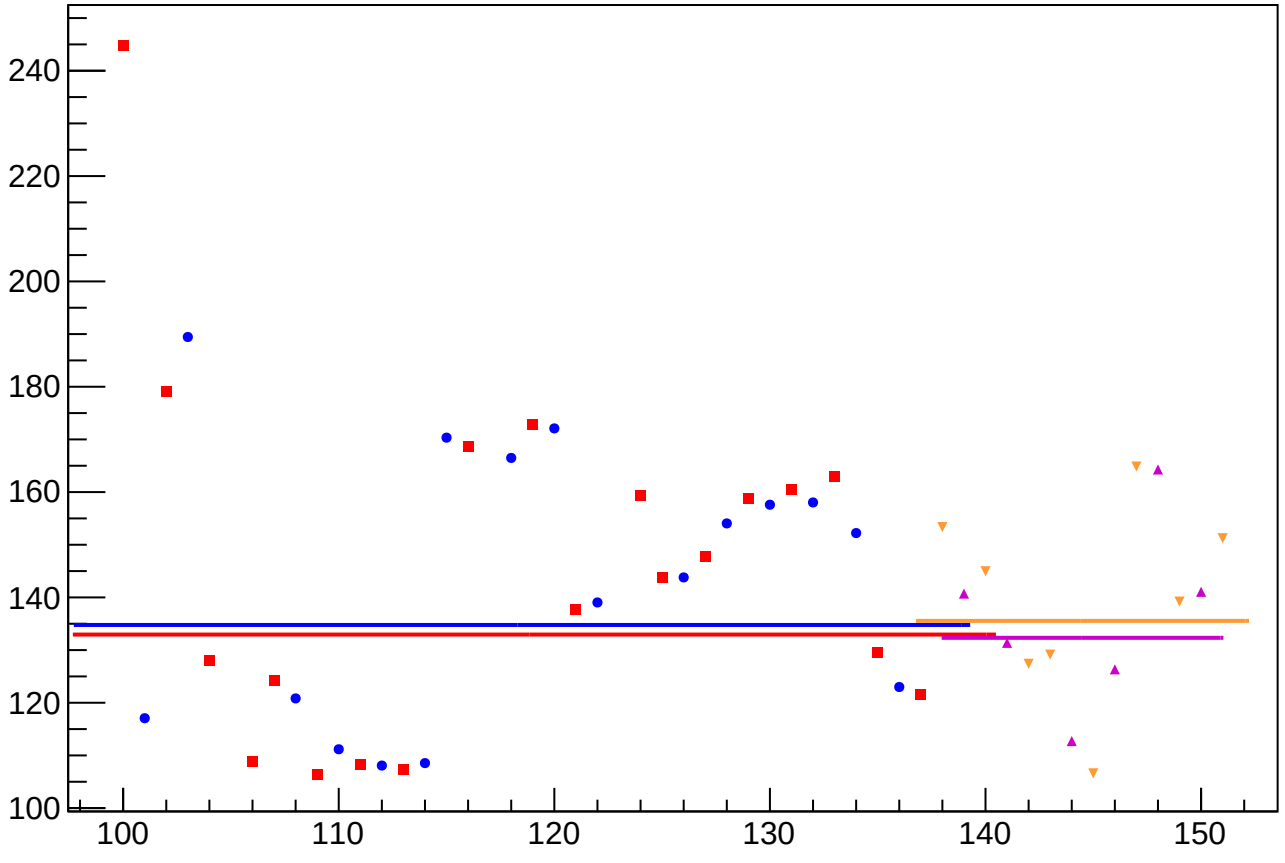
Left In: -41.710+/-58.257 χ^2/NDF:2.0/5

+ sign -32.711+/-37.478 χ^2/NDF: 29.2/23

All: -38.956+/-26.651 χ^2/NDF: 48.2/48

- sign -45.344+/-37.906 χ^2/NDF: 19.0/24

cor_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 135.544+/-0.039 χ^2/NDF:225448.2/7

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

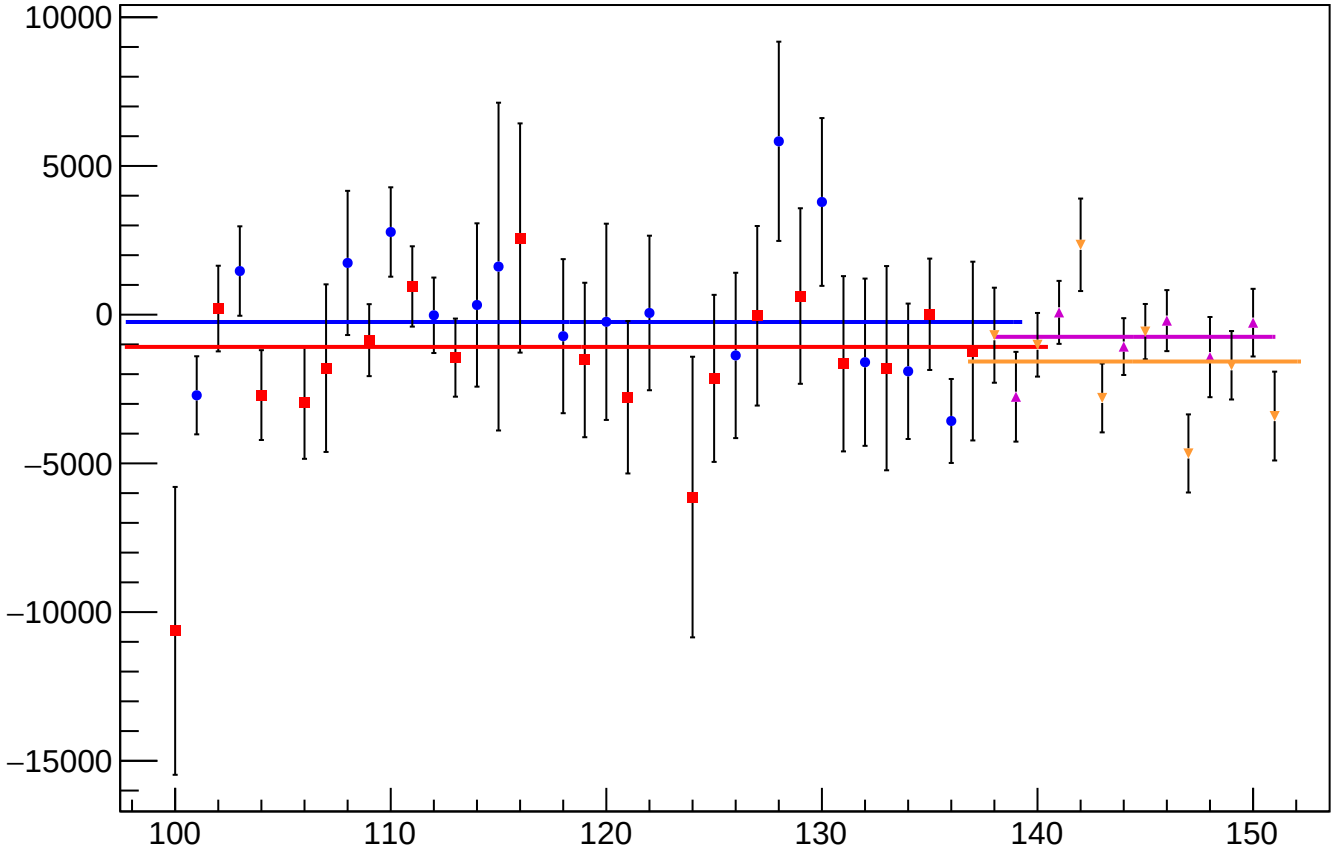
Left In: 132.329+/-0.041 χ^2/NDF:133727.6/5

+ sign 135.129+/-0.027 χ^2/NDF: 642441.6/23

All: 133.921+/-0.019 χ^2/NDF: 1279351.4/48

- sign 132.685+/-0.027 χ^2/NDF: 632708.0/24

asym_sam_48_avg_cor_correction_mean vs Slug



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1574.999+/-431.699 χ^2/NDF:16.3/7

Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

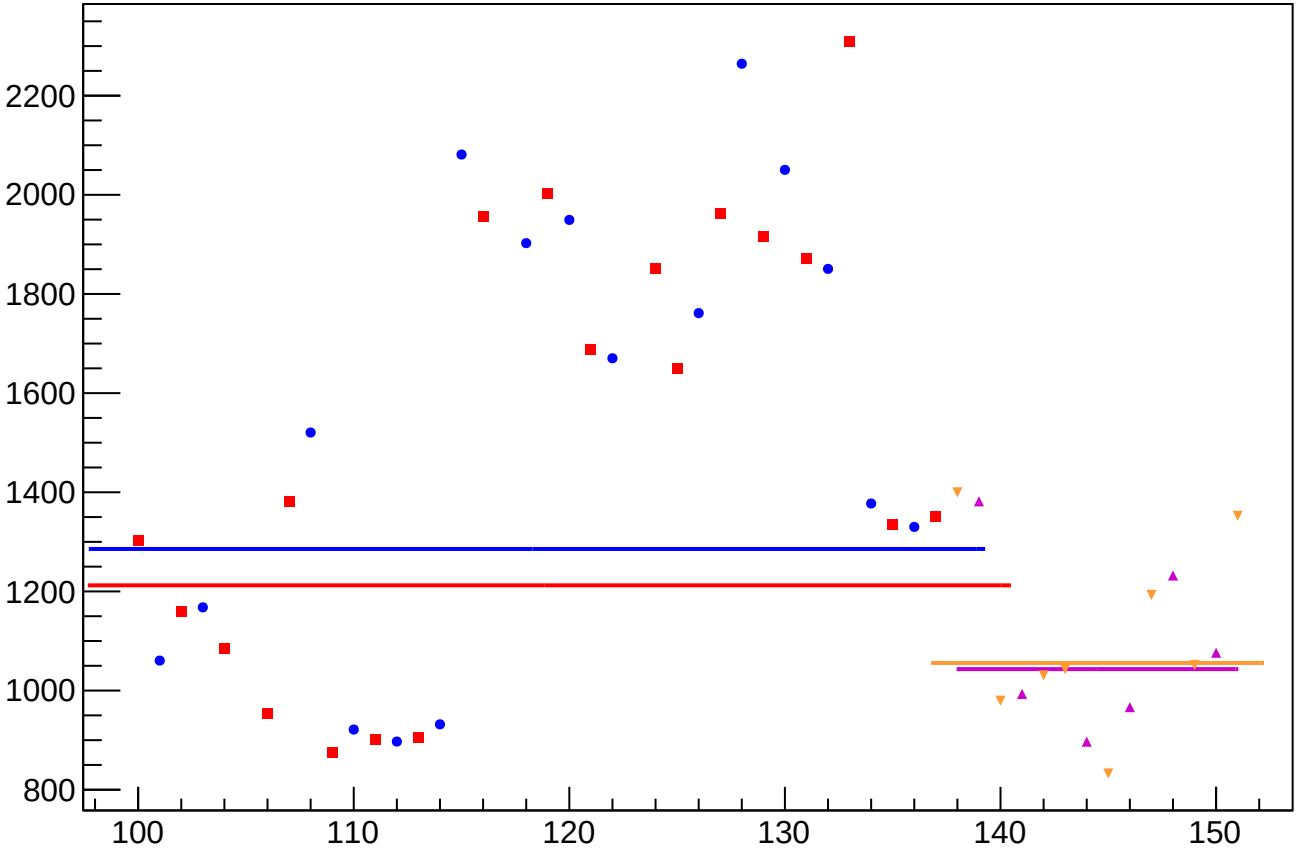
Left In: -744.845+/-461.172 χ^2/NDF:3.2/5

+ sign -1009.428+/-327.153 χ^2/NDF: 41.9/23

All: -960.730+/-231.962 χ^2/NDF: 58.3/48

- sign -911.498+/-328.942 χ^2/NDF: 16.3/24

asym_sam_48_avg_cor_correction_rms vs Slug



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1055.707+/-0.305 χ^2/NDF:319593.8/7

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

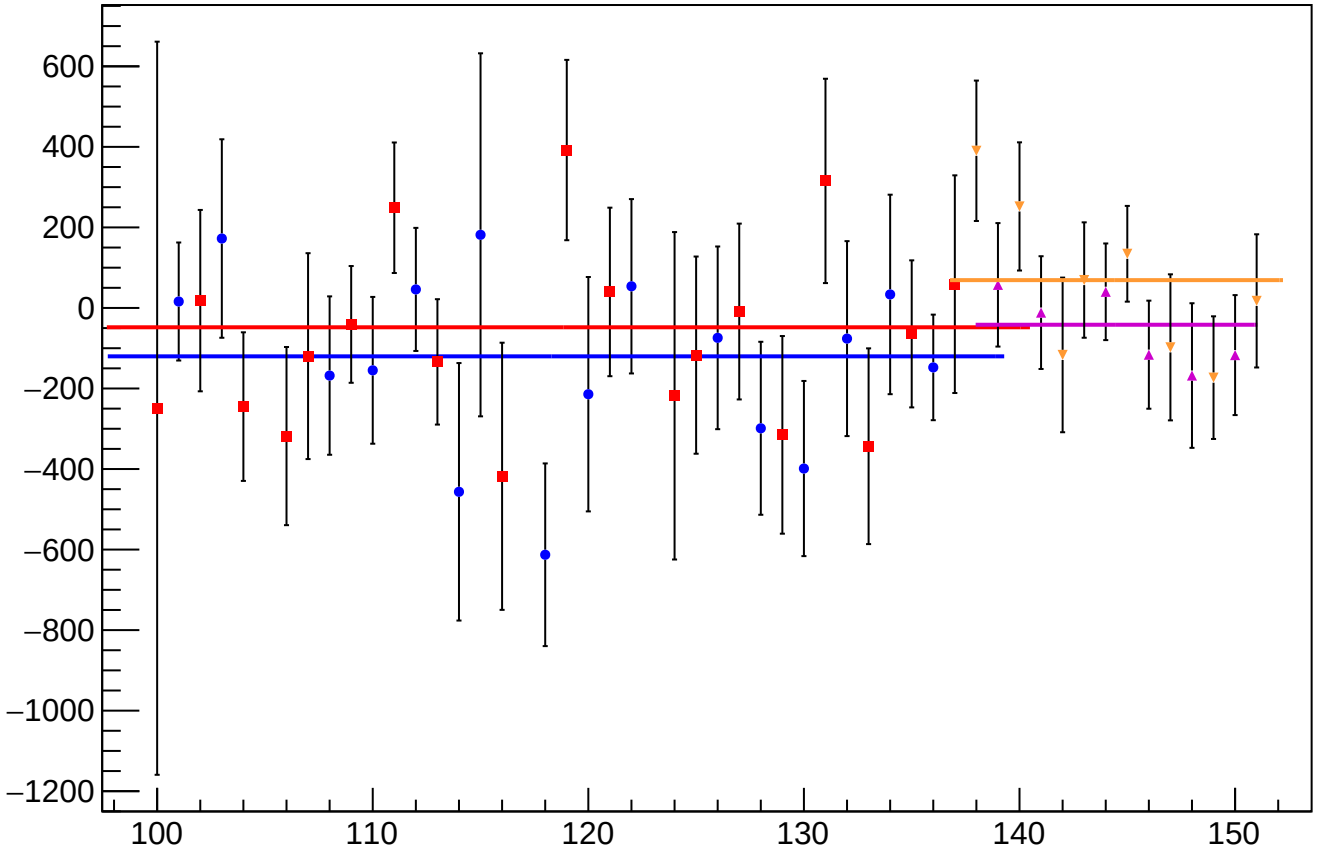
Left In: 1043.335+/-0.326 χ^2/NDF:204149.0/5

+ sign 1153.607+/-0.231 χ^2/NDF: 1731623.7/23

All: 1140.041+/-0.164 χ^2/NDF: 3475169.9/48

- sign 1126.325+/-0.233 χ^2/NDF: 1736630.1/24

eigen_cor_asym_sam_48_avg_mean vs Slug



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 69.067+/-55.128 χ^2/NDF:9.4/7

Right Out: -48.013+/-49.919 χ^2/NDF: 17.0/18

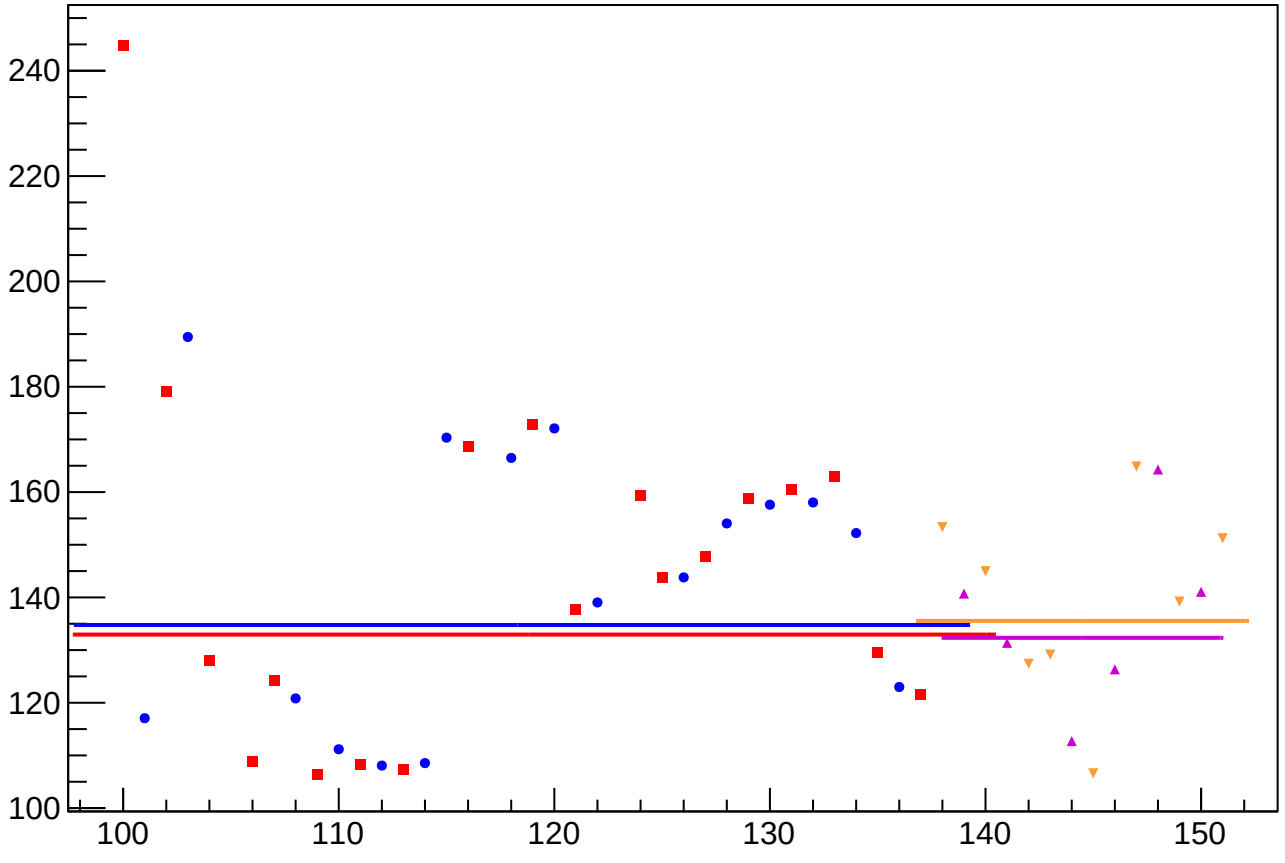
Left In: -41.710+/-58.257 χ^2/NDF:2.0/5

+ sign -32.711+/-37.478 χ^2/NDF: 29.2/23

All: -38.956+/-26.651 χ^2/NDF: 48.2/48

- sign -45.344+/-37.906 χ^2/NDF: 19.0/24

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 135.544+/-0.039 χ^2/NDF:225448.2/7

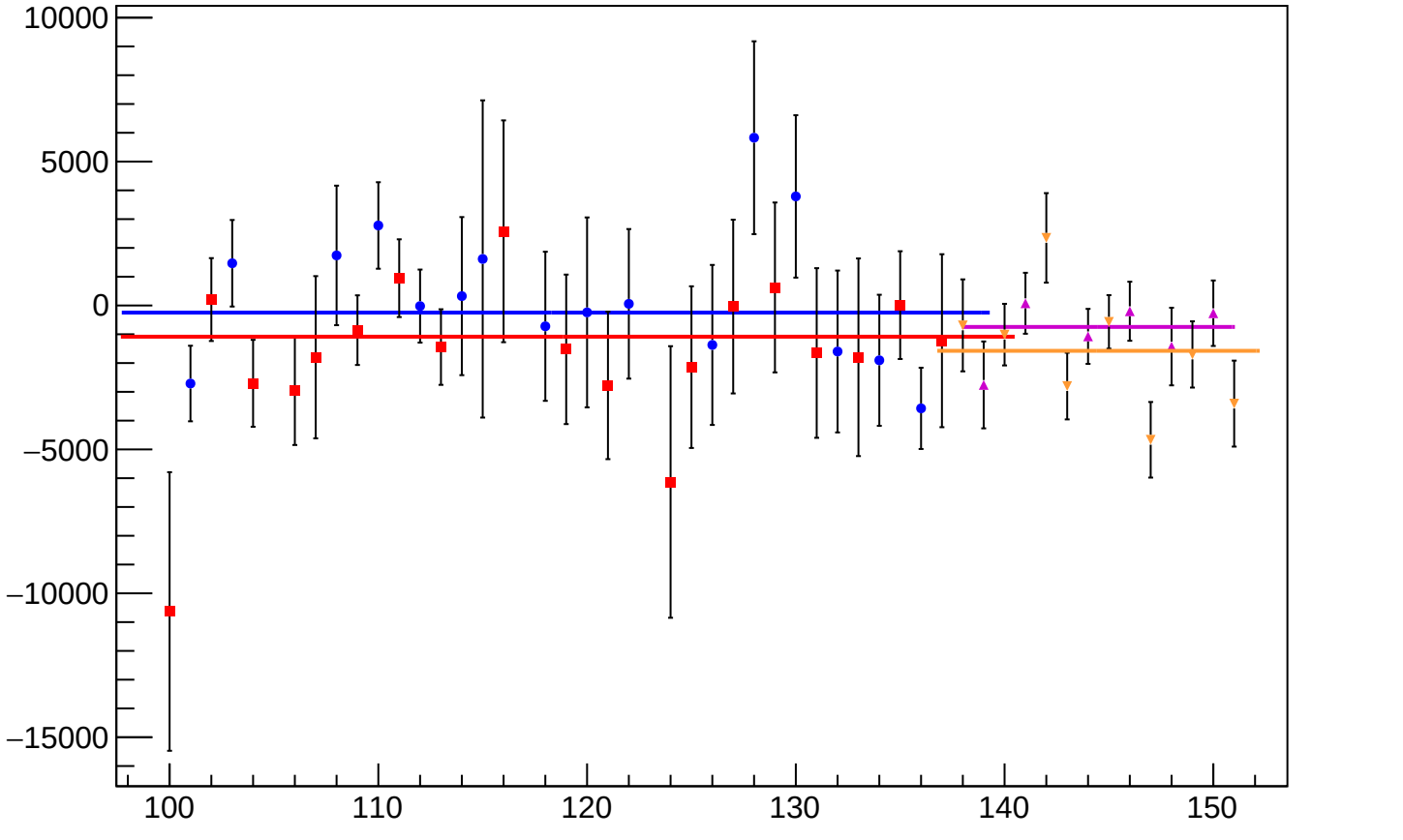
Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 132.329+/-0.041 χ^2/NDF:133727.6/5

+ sign 135.129+/-0.027 χ^2/NDF: 642441.6/23

All: 133.921+/-0.019 χ^2/NDF: 1279351.4/48

- sign 132.685+/-0.027 χ^2/NDF: 632708.0/24



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1574.999+/-431.699 χ^2/NDF:16.3/7

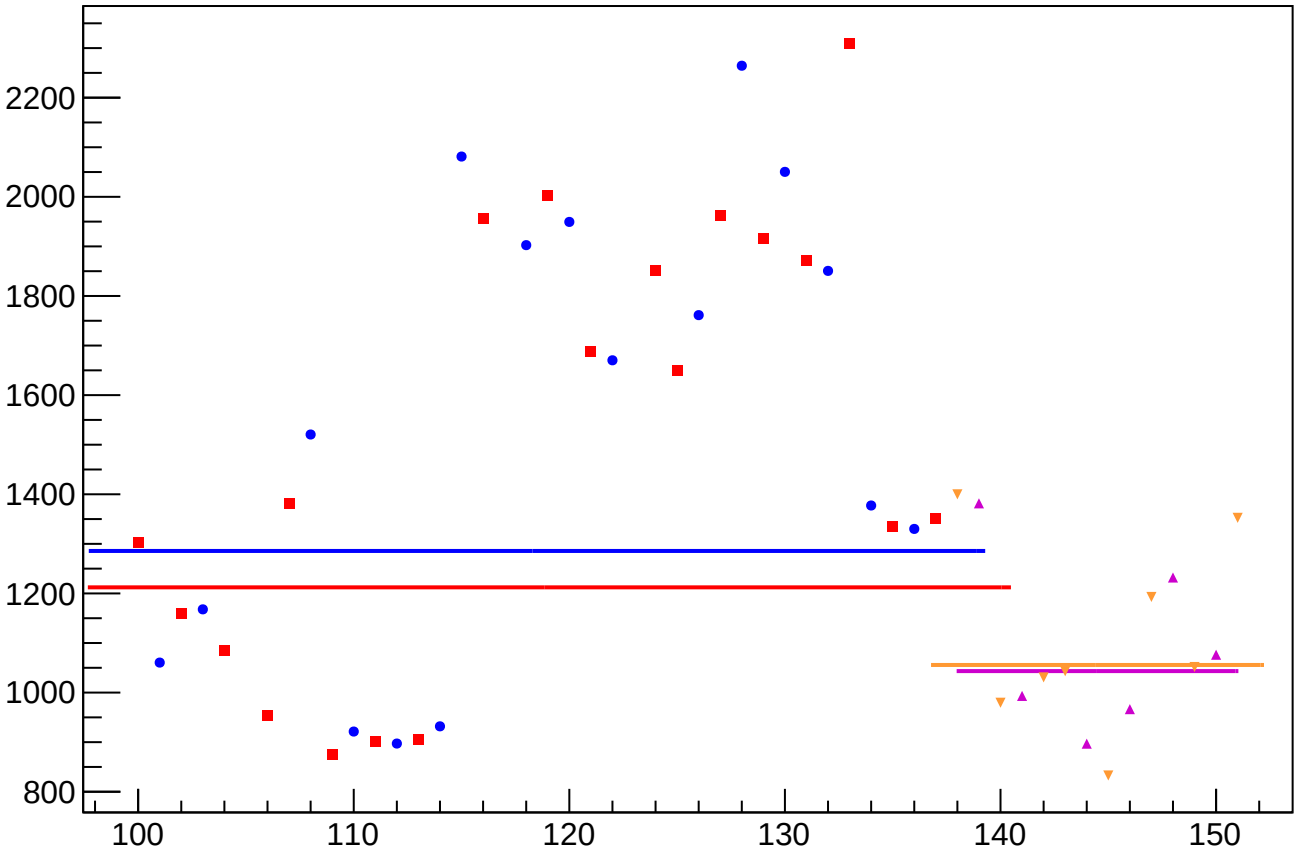
Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: -744.845+/-461.172 χ^2/NDF:3.2/5

+ sign -1009.428+/-327.153 χ^2/NDF: 41.9/23

All: -960.730+/-231.962 χ^2/NDF: 58.3/48

- sign -911.498+/-328.942 χ^2/NDF: 16.3/24



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1055.707+/-0.305 χ^2/NDF:319593.8/7

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

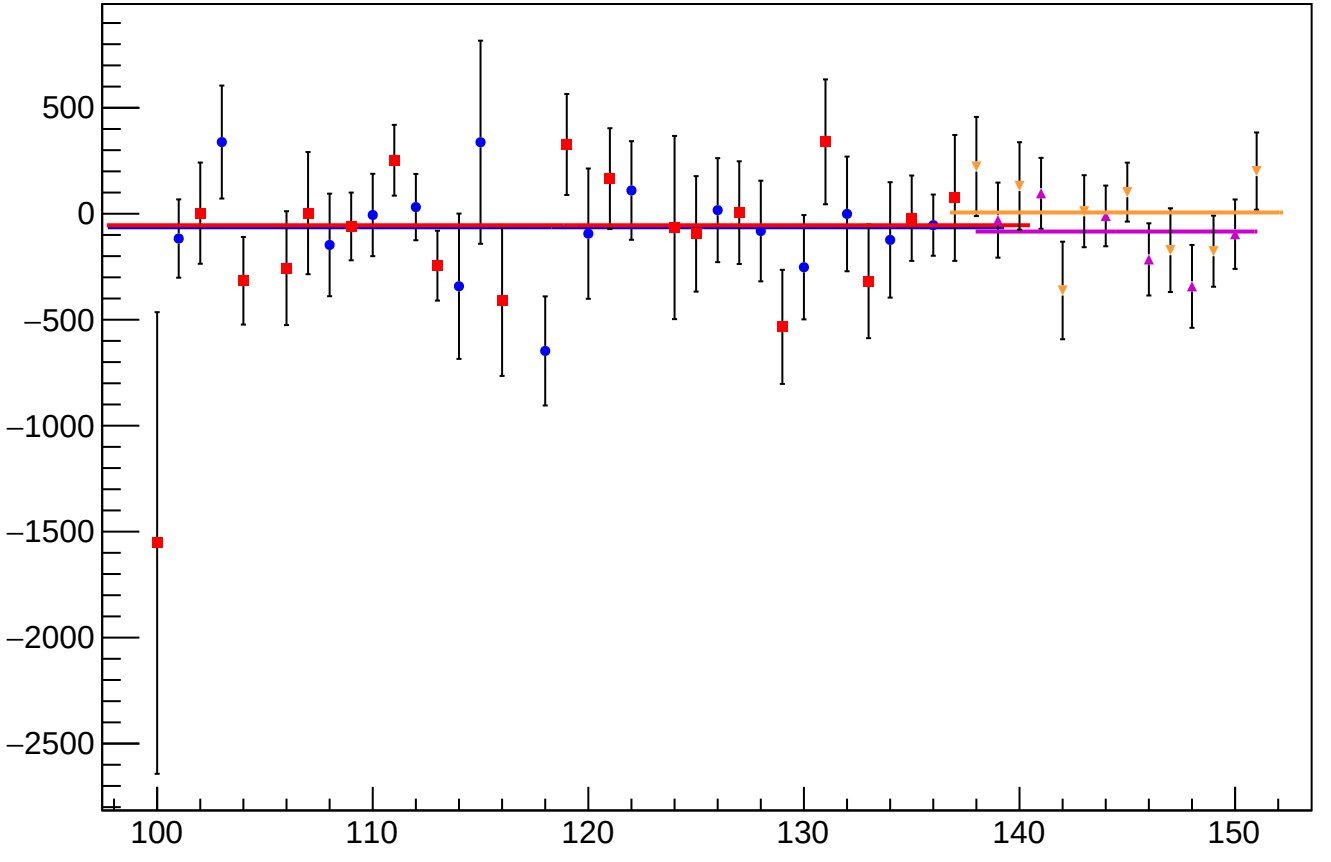
Left In: 1043.335+/-0.326 χ^2/NDF:204149.0/5

+ sign 1153.607+/-0.231 χ^2/NDF: 1731623.7/23

All: 1140.041+/-0.164 χ^2/NDF: 3475169.9/48

- sign 1126.325+/-0.233 χ^2/NDF: 1736630.1/24

dit_asym_sam_48_avg_mean vs Slug



Right In: -63.781+/-56.734 χ^2/NDF: 10.8/15

Left Out: 5.973+/-64.793 χ^2/NDF:7.4/7

Right Out: -54.305+/-54.743 χ^2/NDF: 19.5/18

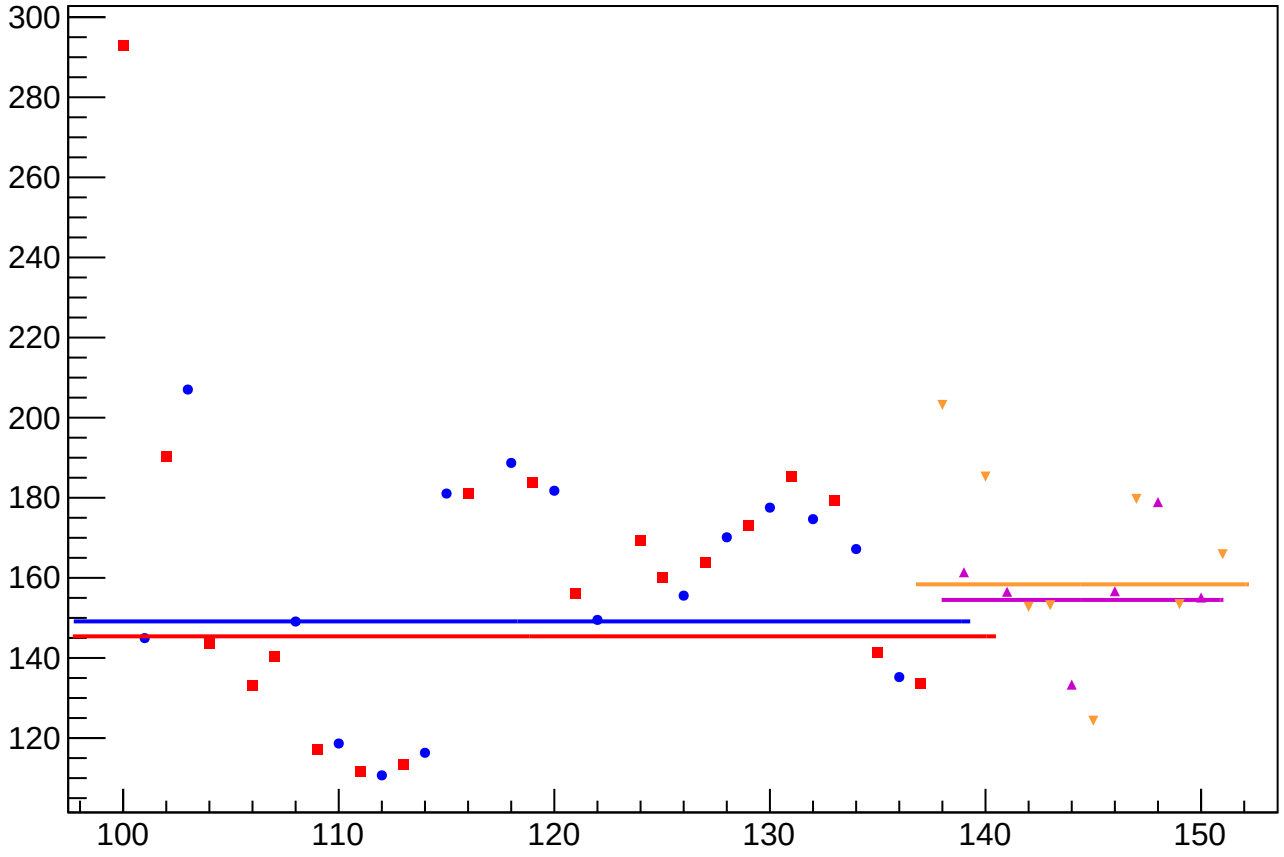
Left In: -83.965+/-68.324 χ^2/NDF:3.9/5

+ sign -33.510+/-42.683 χ^2/NDF: 18.9/23

All: -49.691+/-30.195 χ^2/NDF: 42.7/48

- sign -65.901+/-42.721 χ^2/NDF: 23.5/24

dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 158.382+/-0.046 χ^2/NDF:258793.0/7

Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

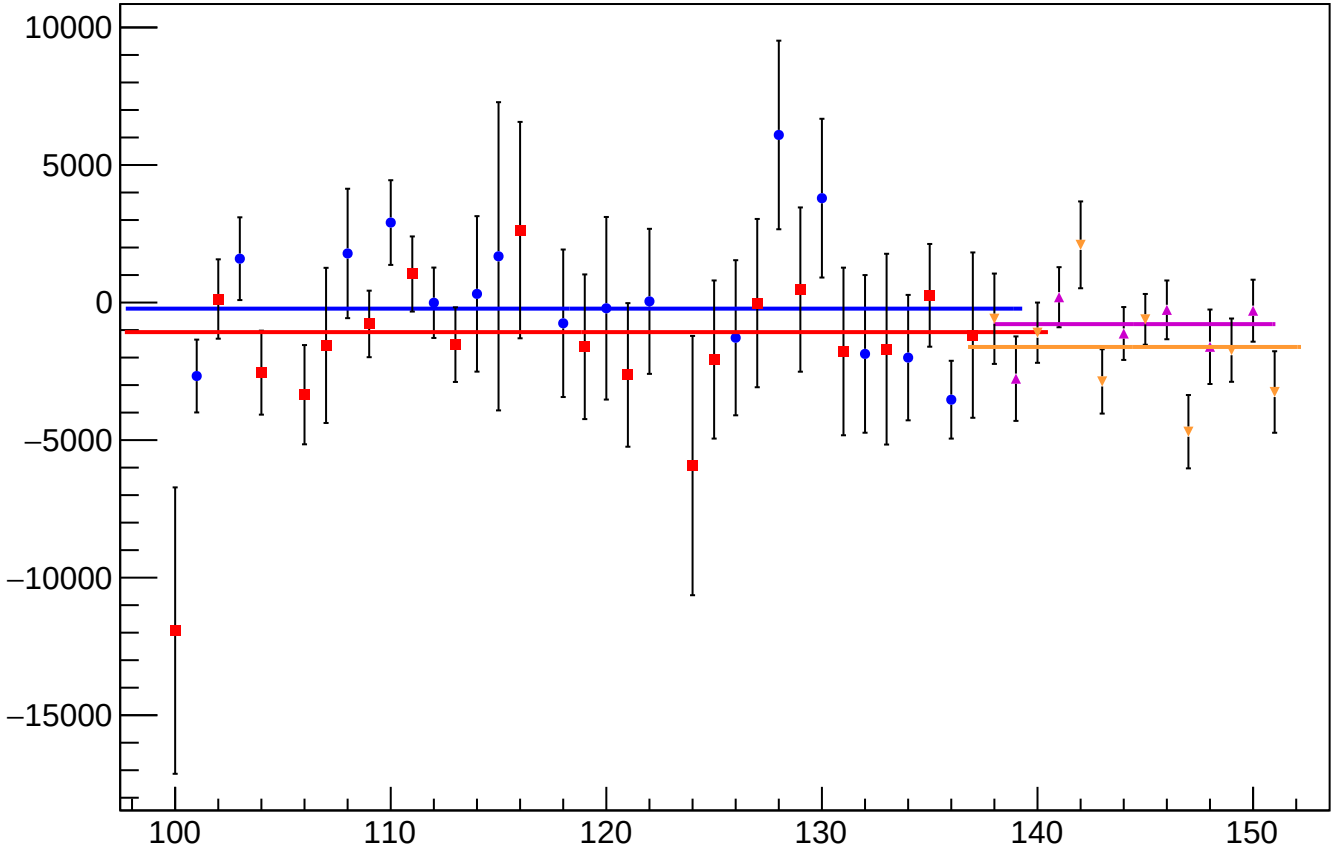
Left In: 154.489+/-0.048 χ^2/NDF:78520.9/5

+ sign 153.145+/-0.030 χ^2/NDF: 732876.8/23

All: 151.051+/-0.021 χ^2/NDF: 1368415.1/48

- sign 148.953+/-0.030 χ^2/NDF: 625900.5/24

asym_sam_48_avg_dit_correction_mean vs Slug



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -1614.169+/-434.984 χ^2/NDF:15.0/7

Right Out: -1074.433+/-472.816 χ^2/NDF: 13.6/18

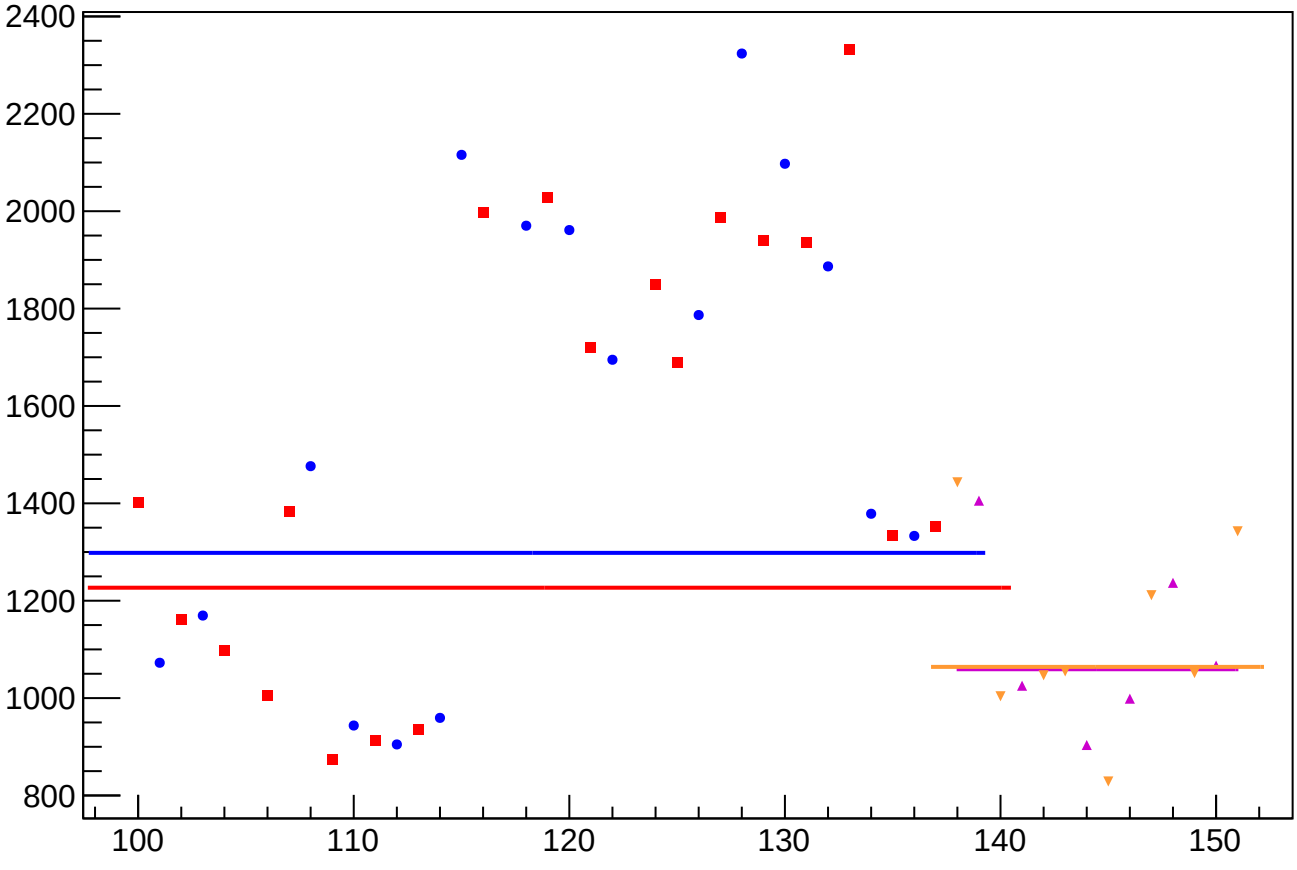
Left In: -784.031+/-468.491 χ^2/NDF:3.4/5

+ sign -1022.505+/-329.911 χ^2/NDF: 41.3/23

All: -975.613+/-234.294 χ^2/NDF: 58.5/48

- sign -927.898+/-332.792 χ^2/NDF: 17.2/24

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1064.108+/-0.308 χ^2/NDF:338345.5/7

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

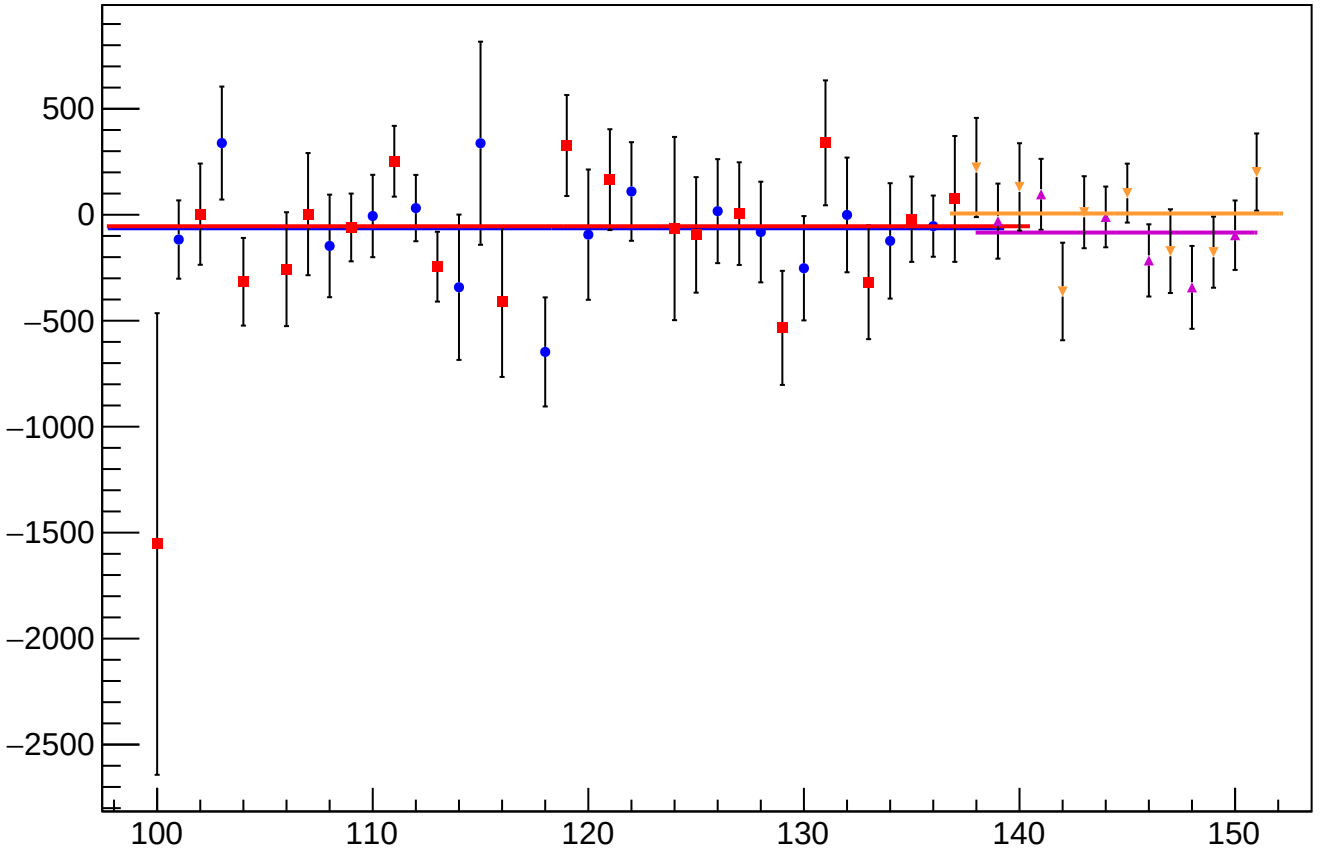
Left In: 1059.275+/-0.331 χ^2/NDF:196932.9/5

+ sign 1163.581+/-0.233 χ^2/NDF: 1766703.2/23

All: 1153.000+/-0.166 χ^2/NDF: 3498891.3/48

- sign 1142.233+/-0.235 χ^2/NDF: 1728037.1/24

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: 5.973+/-64.793 χ^2/NDF:7.4/7

Right Out: -54.304+/-54.743 χ^2/NDF: 19.5/18

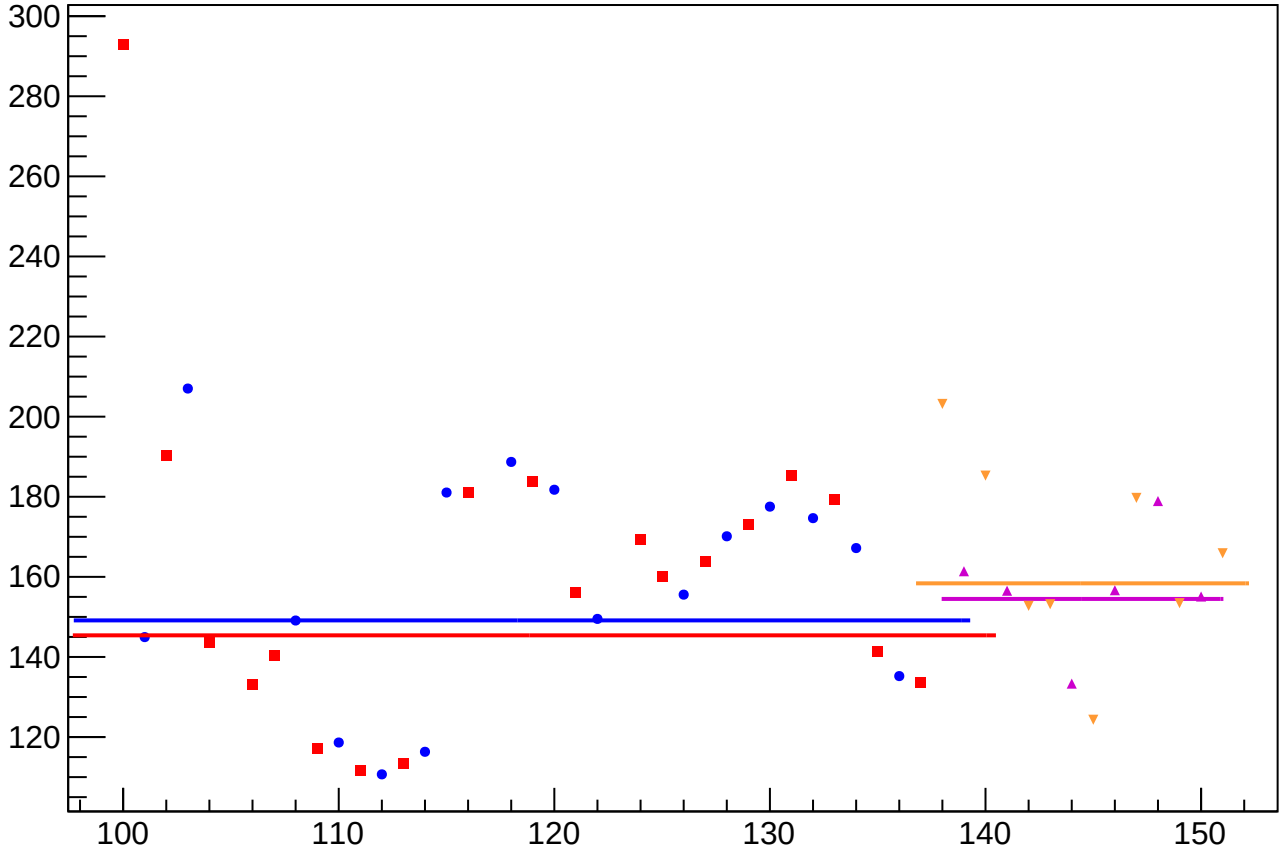
Left In: -83.965+/-68.324 χ^2/NDF:3.9/5

+ sign -33.508+/-42.683 χ^2/NDF: 18.9/23

All: -49.690+/-30.195 χ^2/NDF: 42.7/48

- sign -65.901+/-42.721 χ^2/NDF: 23.5/24

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130+/-0.040 χ^2/NDF: 451005.1/15

Left Out: 158.382+/-0.046 χ^2/NDF:258786.9/7

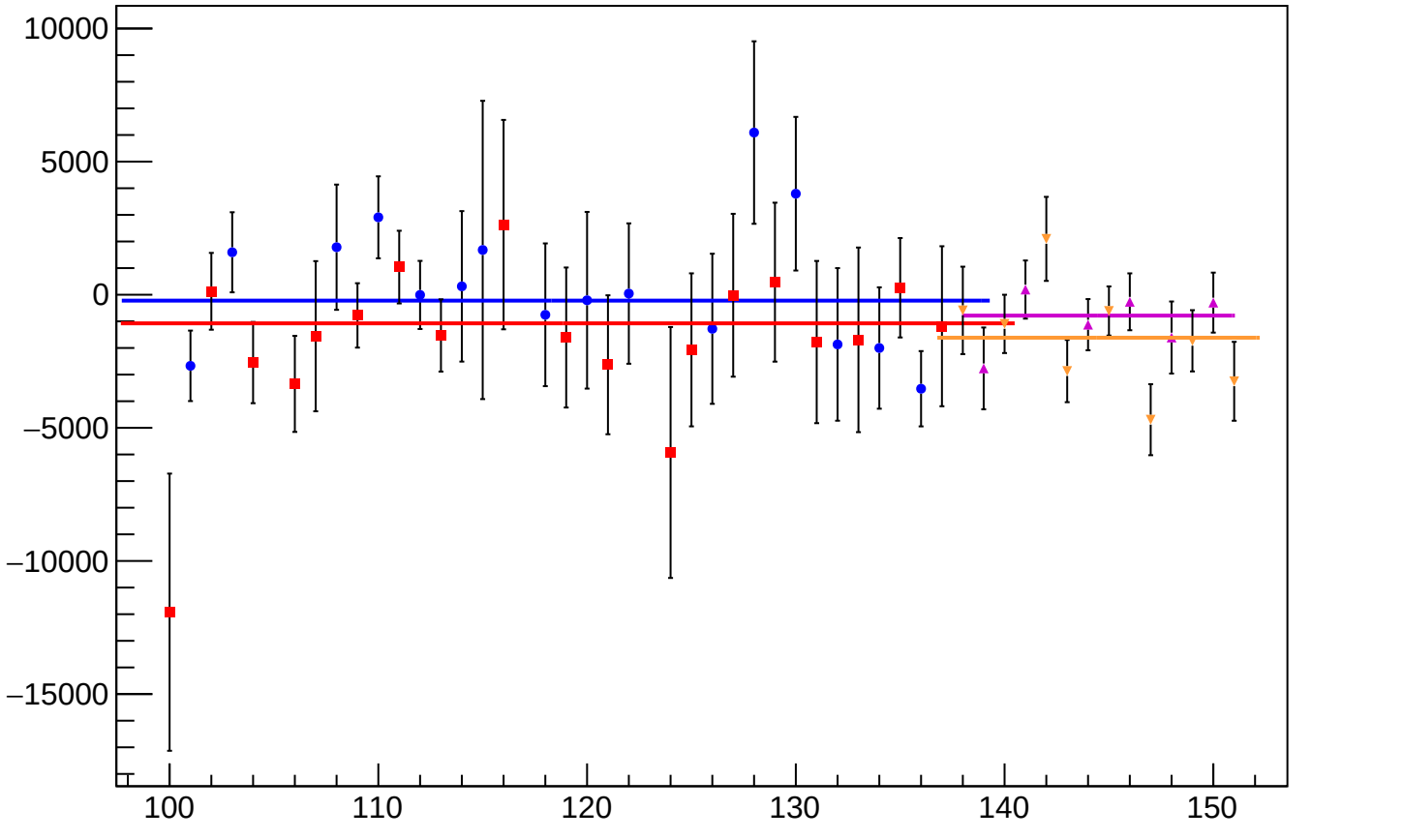
Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 154.489+/-0.048 χ^2/NDF:78519.3/5

+ sign 153.145+/-0.030 χ^2/NDF: 732874.3/23

All: 151.051+/-0.021 χ^2/NDF: 1368415.3/48

- sign 148.953+/-0.030 χ^2/NDF: 625903.0/24



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -1614.168+/-434.983 χ^2/NDF:15.0/7

Right Out: -1074.432+/-472.816 χ^2/NDF: 13.6/18

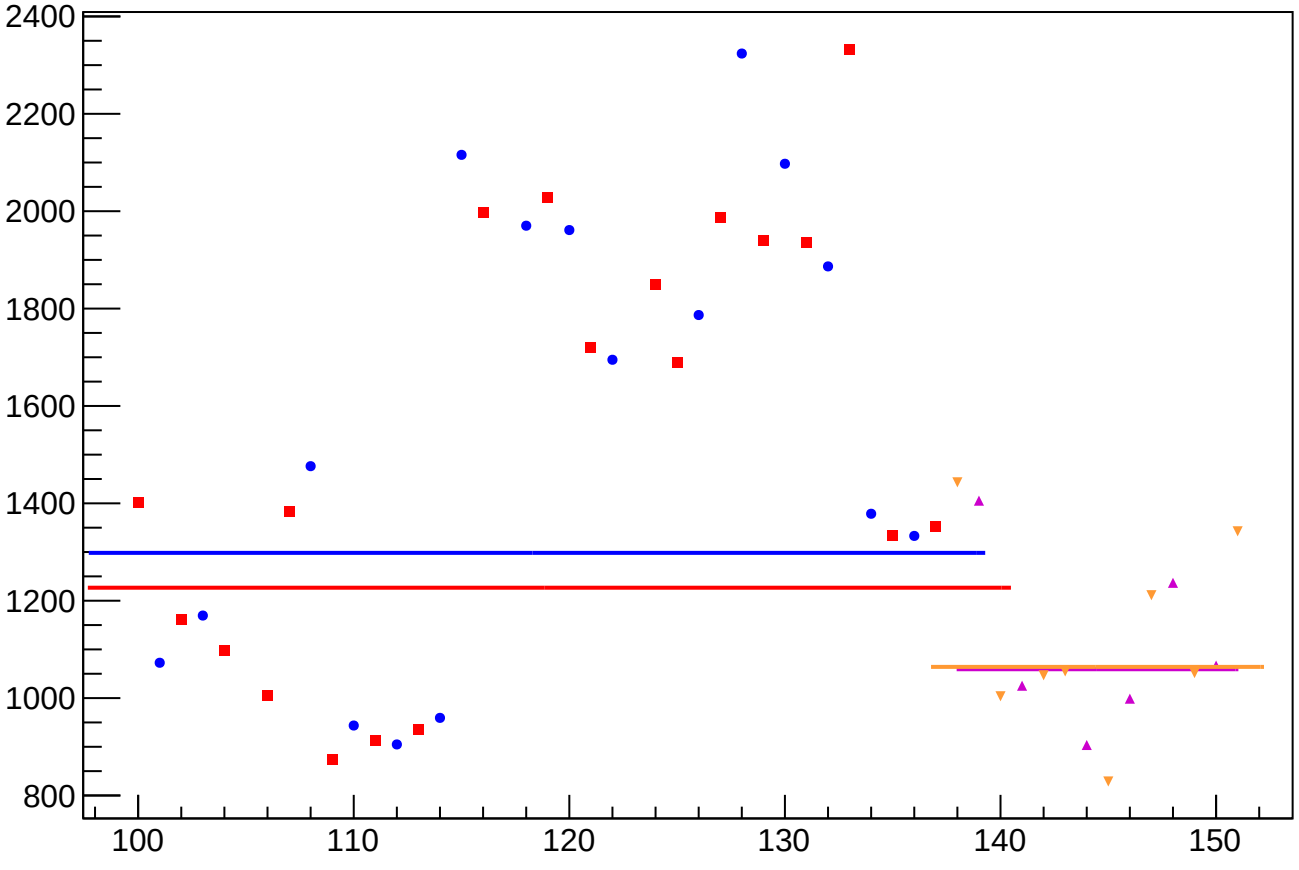
Left In: -784.031+/-468.491 χ^2/NDF:3.4/5

+ sign -1022.503+/-329.911 χ^2/NDF: 41.3/23

All: -975.612+/-234.294 χ^2/NDF: 58.5/48

- sign -927.897+/-332.792 χ^2/NDF: 17.2/24

asym_sam_48_avg_eigen_dit_correction_rms vs Slug



Right In: 1298.292+/-0.358 χ^2/NDF: 1182127.2/15

Left Out: 1064.106+/-0.308 χ^2/NDF:338348.1/7

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

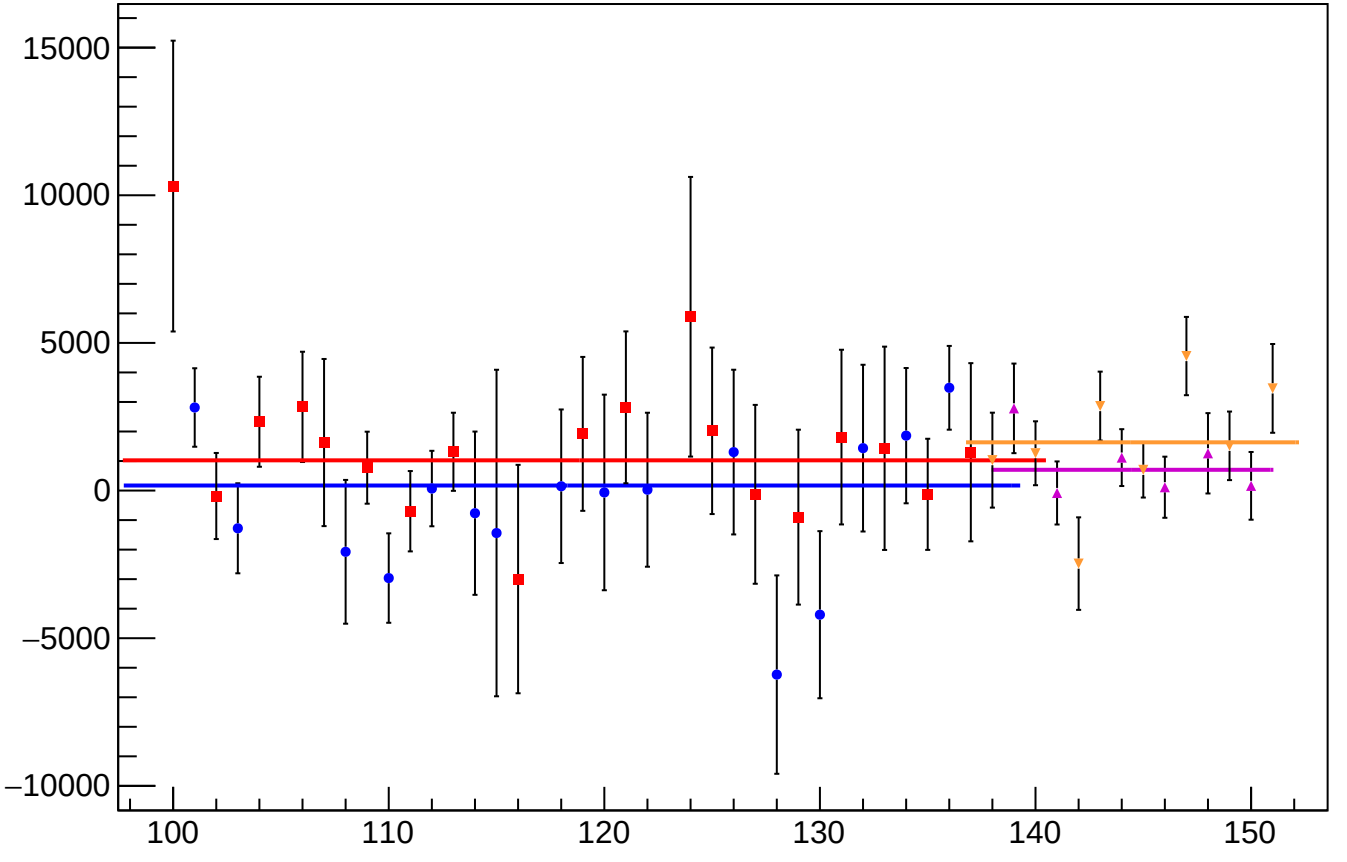
Left In: 1059.275+/-0.331 χ^2/NDF:196933.4/5

+ sign 1163.580+/-0.233 χ^2/NDF: 1766710.6/23

All: 1152.998+/-0.166 χ^2/NDF: 3498901.0/48

- sign 1142.232+/-0.235 χ^2/NDF: 1728039.7/24

asym_sam_48_avg_mean vs Slug



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 1633.375+/-435.396 χ^2/NDF:15.6/7

Right Out: 1023.699+/-472.008 χ^2/NDF: 11.6/18

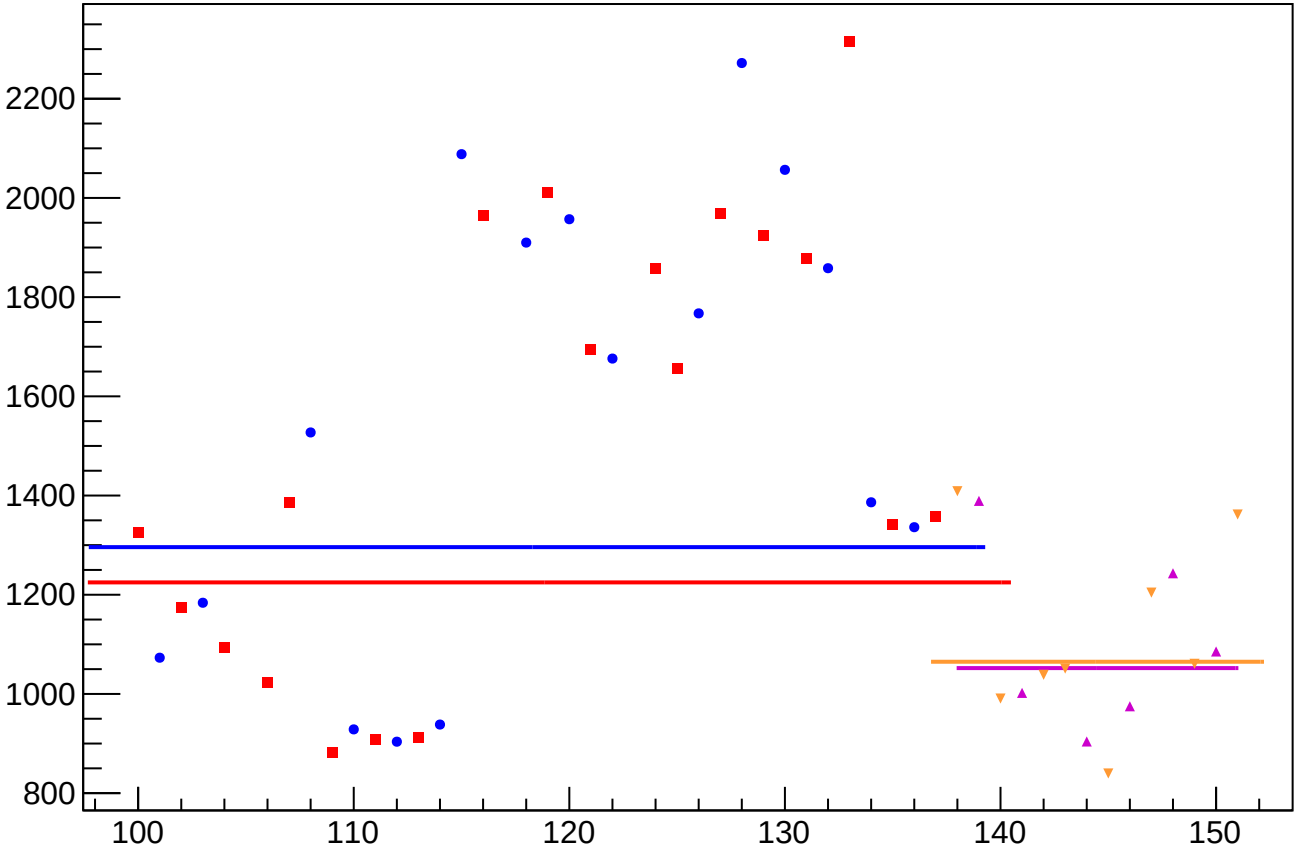
Left In: 703.054+/-464.996 χ^2/NDF:3.3/5

+ sign 1010.054+/-329.794 χ^2/NDF: 43.0/23

All: 935.844+/-233.714 χ^2/NDF: 58.2/48

- sign 860.977+/-331.253 χ^2/NDF: 15.1/24

asym_sam_48_avg_rms vs Slug



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1064.913+/-0.308 χ^2/NDF:317395.4/7

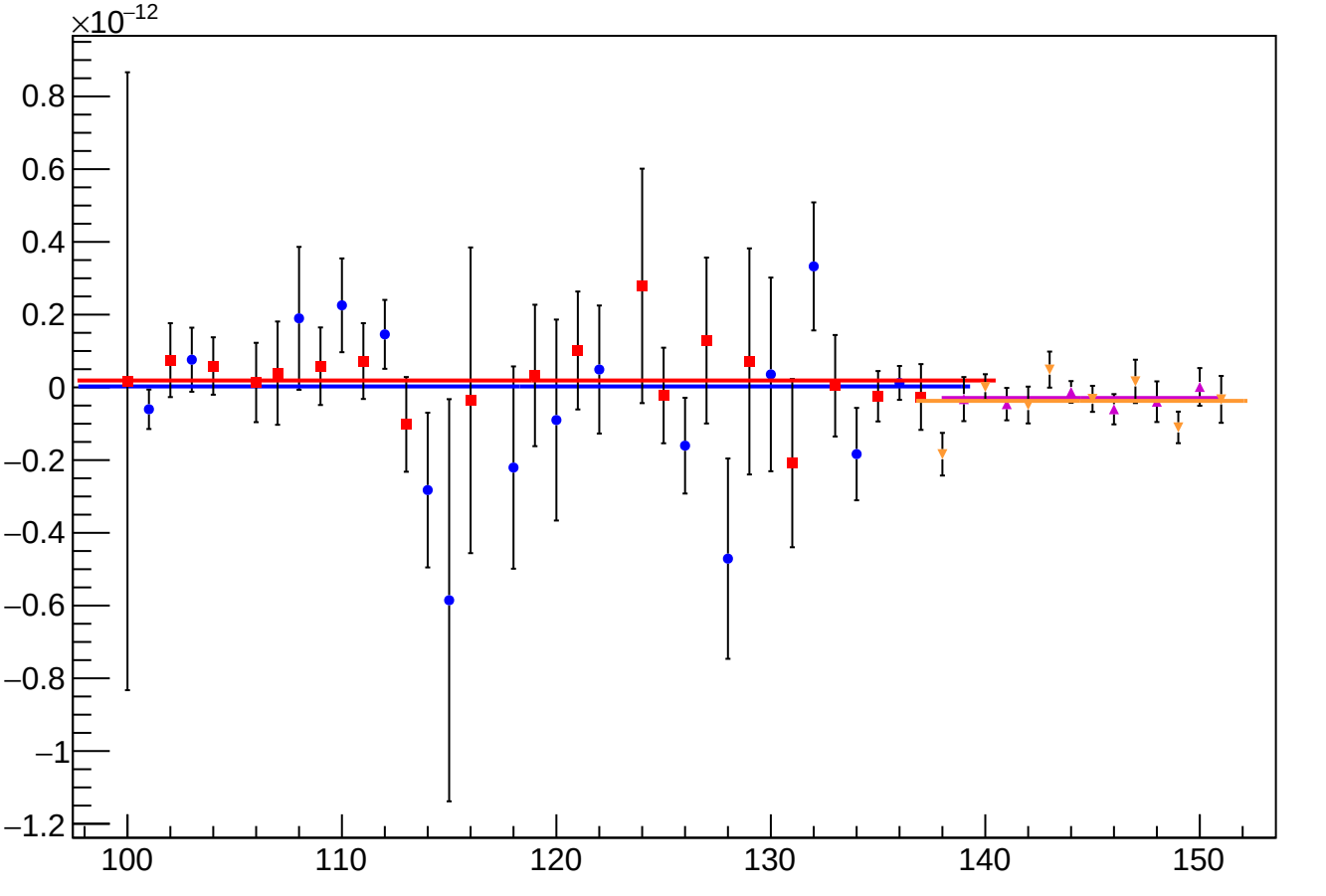
Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1052.109+/-0.329 χ^2/NDF:202663.0/5

+ sign 1163.410+/-0.233 χ^2/NDF: 1711704.6/23

All: 1150.361+/-0.165 χ^2/NDF: 3427915.4/48

- sign 1137.197+/-0.234 χ^2/NDF: 1709921.6/24



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.1/7

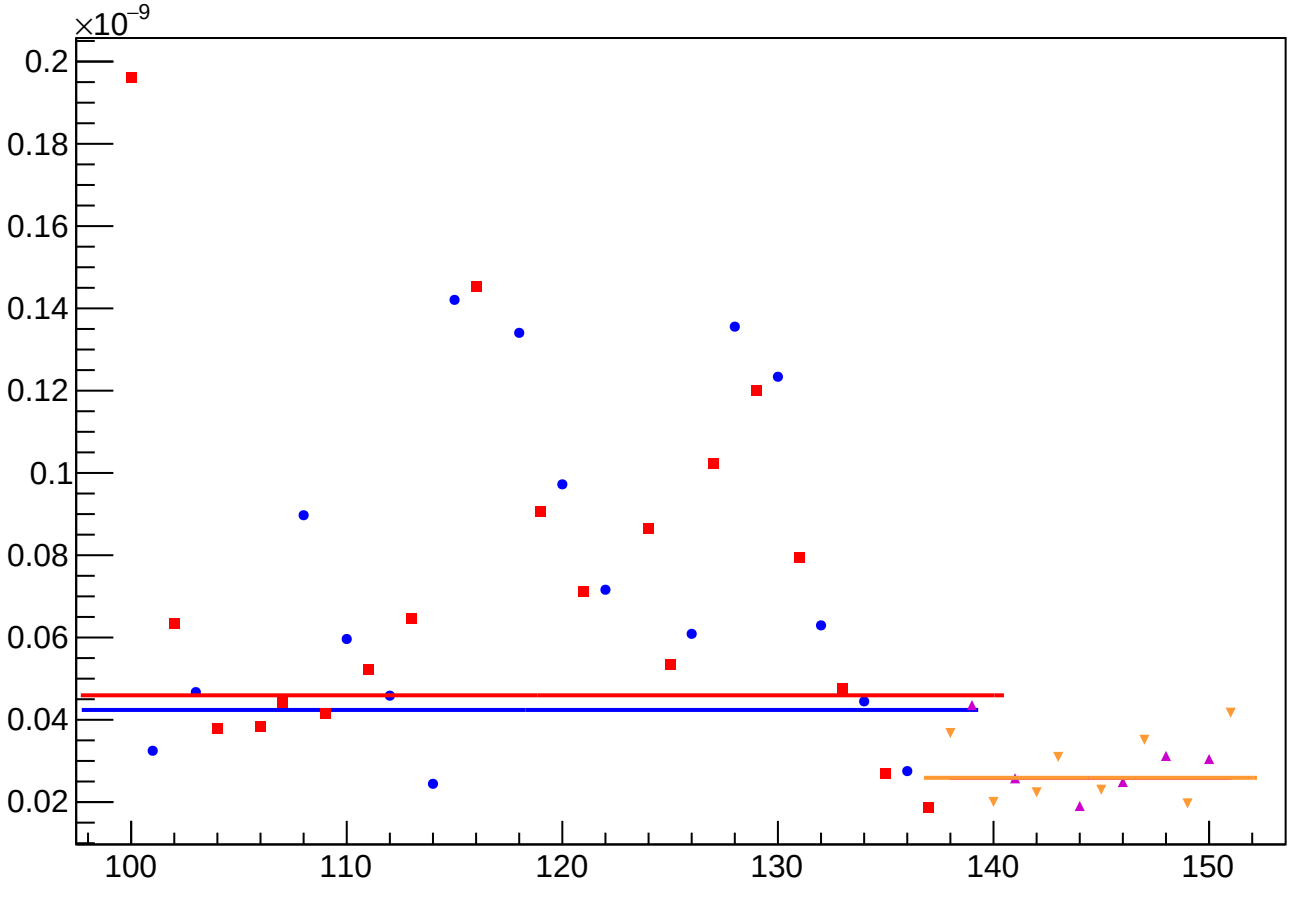
Right Out: 0.000+/-0.000 χ^2/NDF: 4.7/18

Left In: -0.000+/-0.000 χ^2/NDF:1.4/5

+ sign -0.000+/-0.000 χ^2/NDF: 37.9/23

All: -0.000+/-0.000 χ^2/NDF: 46.3/48

- sign -0.000+/-0.000 χ^2/NDF: 8.2/24



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:377474.5/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

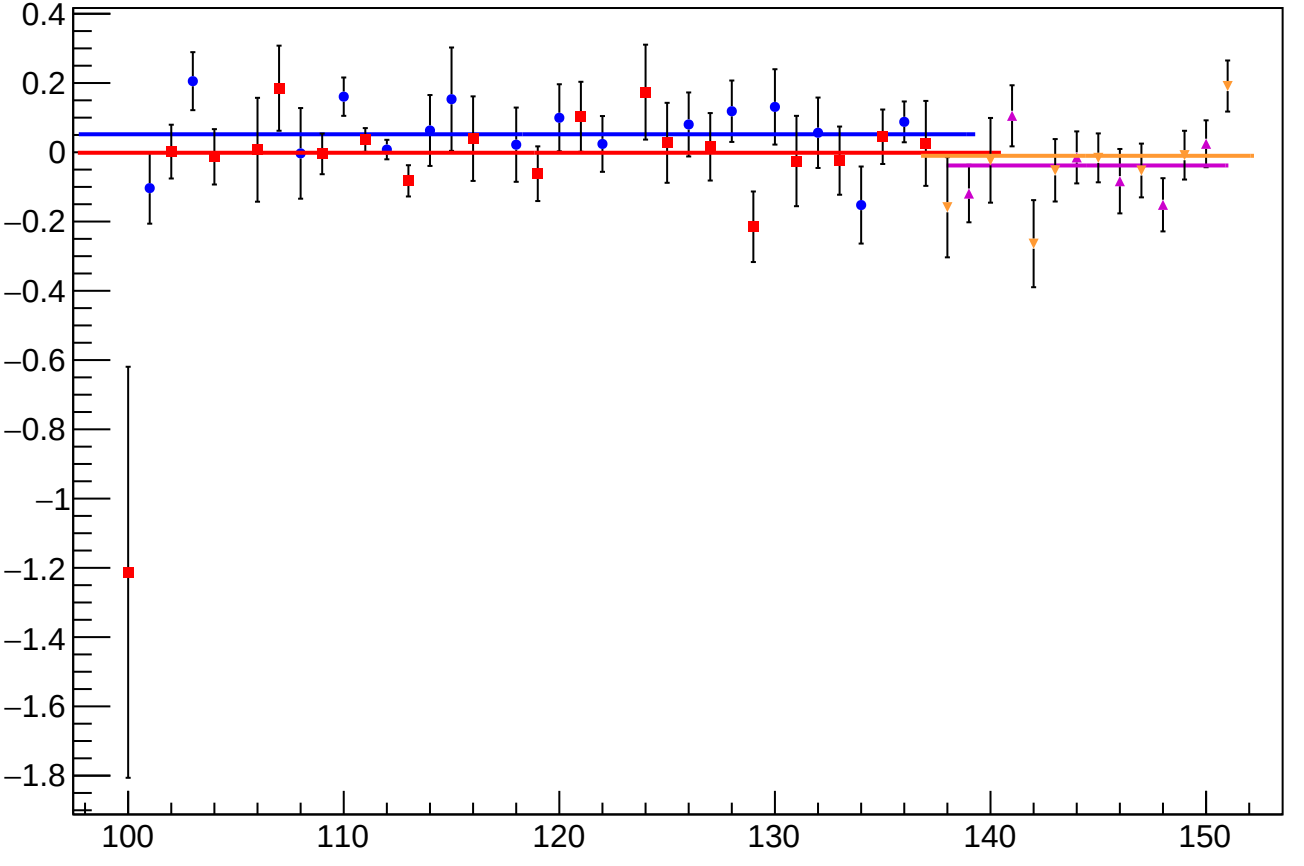
Left In: 0.000+/-0.000 χ^2/NDF:311000.1/5

+ sign 0.000+/-0.000 χ^2/NDF: 2269375.9/23

All: 0.000+/-0.000 χ^2/NDF: 4406959.7/48

- sign 0.000+/-0.000 χ^2/NDF: 2133112.9/24

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: -0.010+/-0.031 χ^2/NDF:13.1/7

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

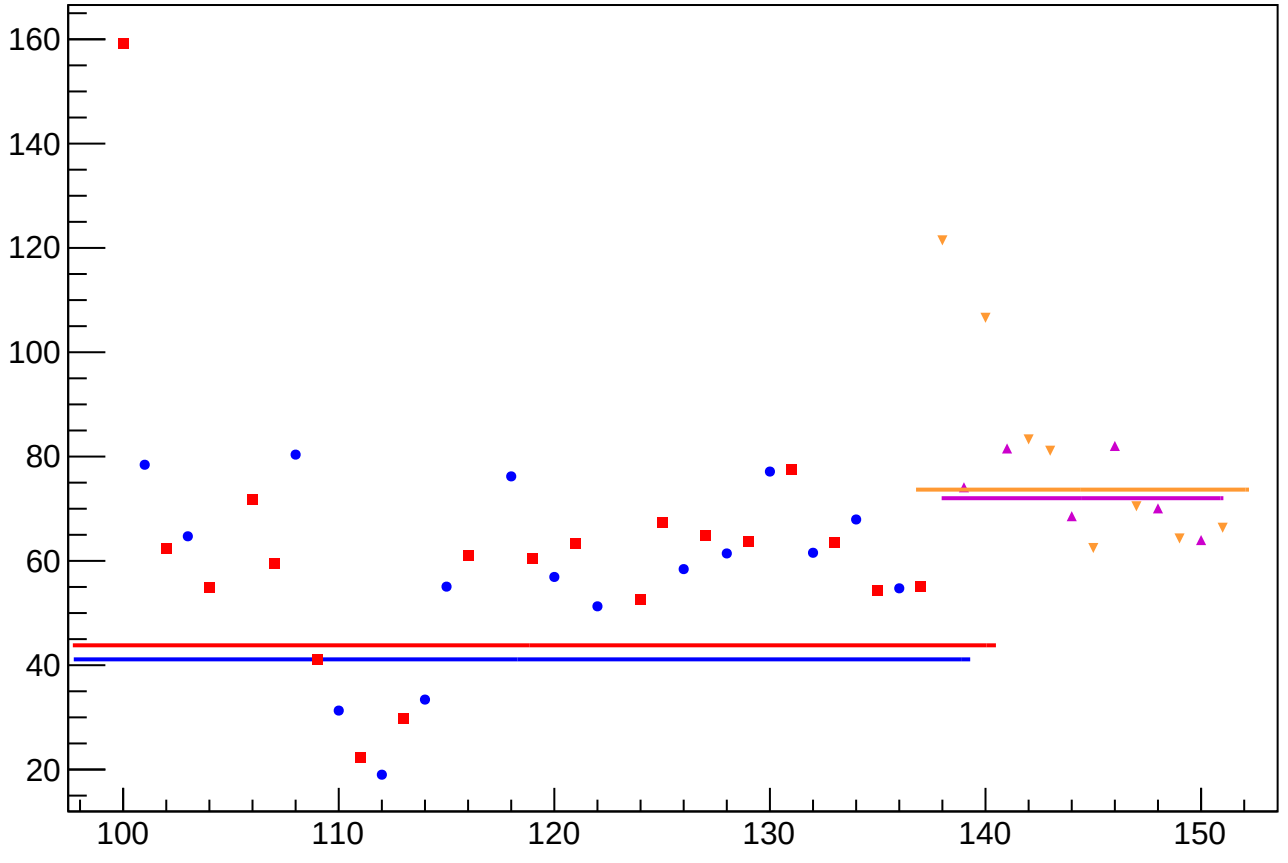
Left In: -0.038+/-0.032 χ^2/NDF:7.0/5

+ sign 0.036+/-0.015 χ^2/NDF: 34.1/23

All: 0.014+/-0.011 χ^2/NDF: 65.8/48

- sign -0.010+/-0.016 χ^2/NDF: 27.2/24

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: 73.663+/-0.022 χ^2/NDF:497295.3/7

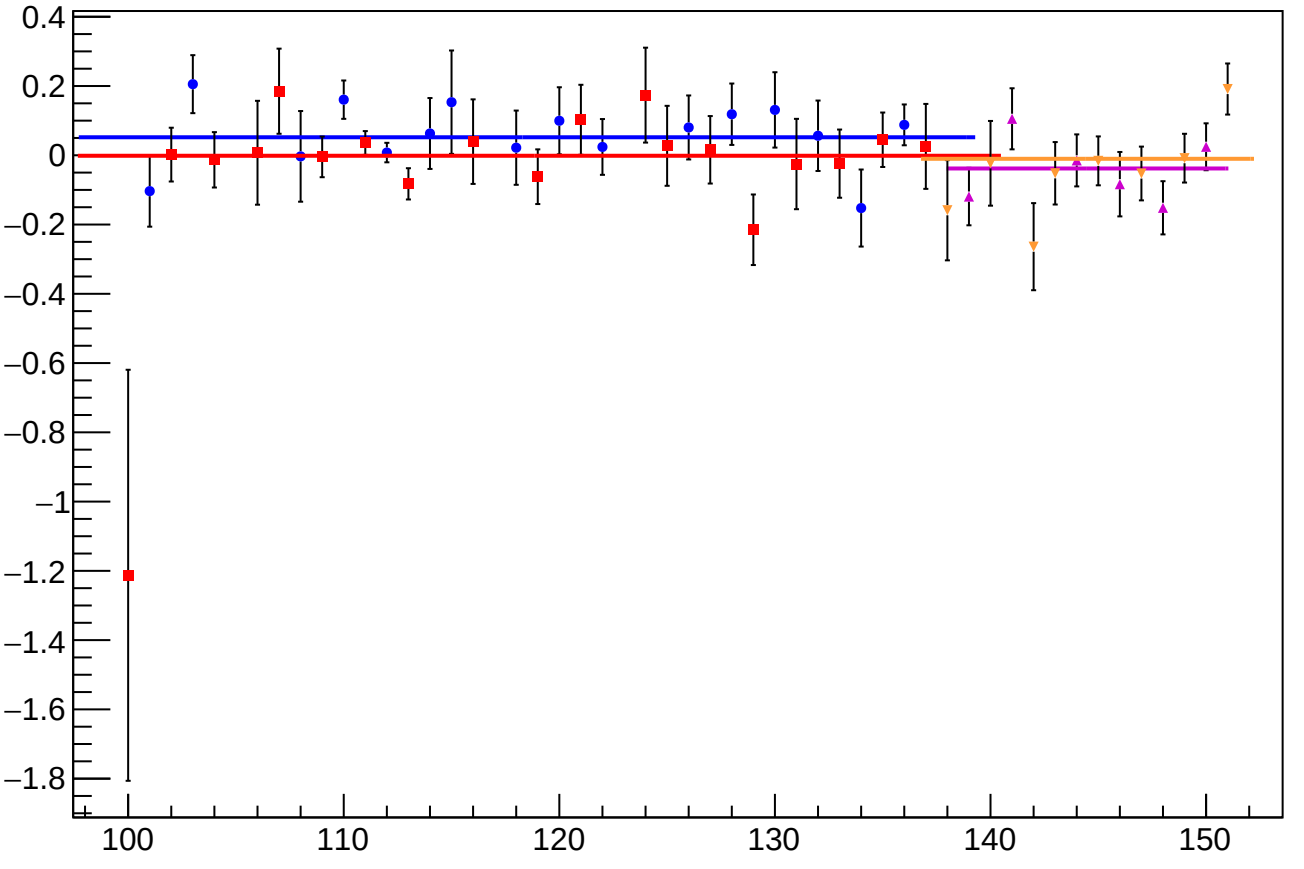
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 72.017+/-0.023 χ^2/NDF:81468.3/5

+ sign 49.242+/-0.011 χ^2/NDF: 5096267.9/23

All: 49.827+/-0.008 χ^2/NDF: 8393860.6/48

- sign 50.433+/-0.011 χ^2/NDF: 3291718.7/24



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.010+/-0.031 χ^2/NDF:13.1/7

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

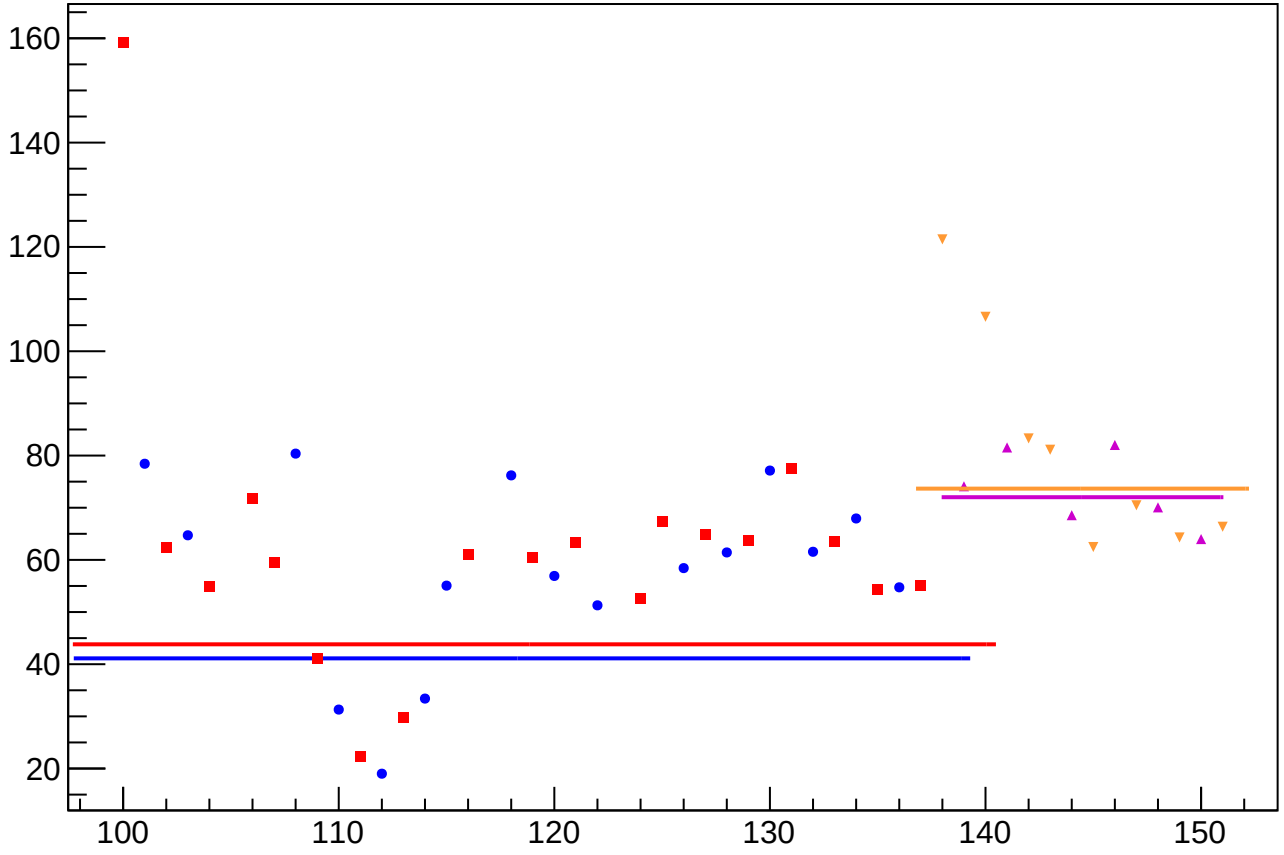
Left In: -0.038+/-0.032 χ^2/NDF:7.0/5

+ sign 0.036+/-0.015 χ^2/NDF: 34.1/23

All: 0.014+/-0.011 χ^2/NDF: 65.8/48

- sign -0.010+/-0.016 χ^2/NDF: 27.2/24

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: 73.663+/-0.022 χ^2/NDF:497295.3/7

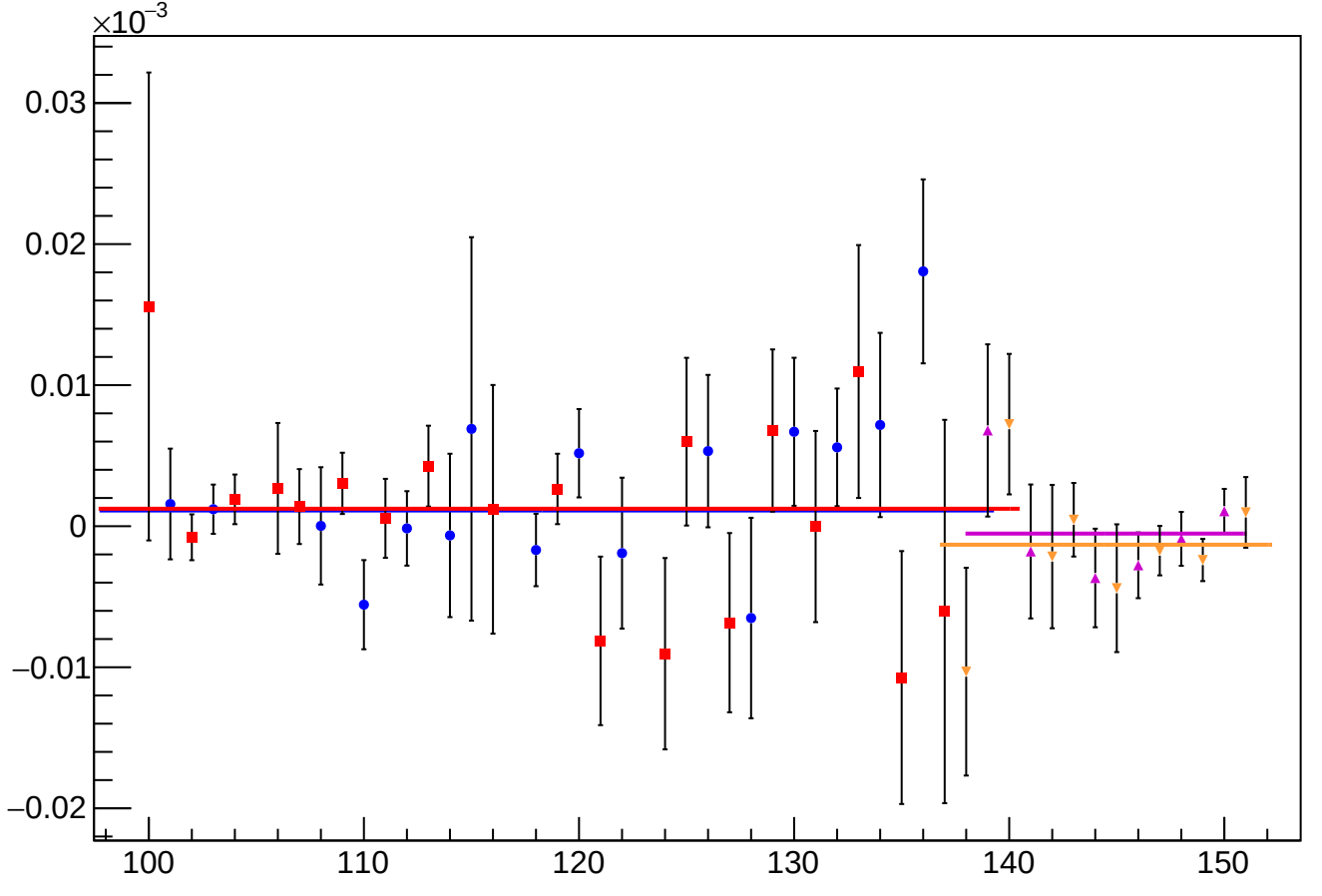
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 72.017+/-0.023 χ^2/NDF:81468.3/5

+ sign 49.242+/-0.011 χ^2/NDF: 5096267.9/23

All: 49.827+/-0.008 χ^2/NDF: 8393860.6/48

- sign 50.433+/-0.011 χ^2/NDF: 3291718.7/24



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.8/7

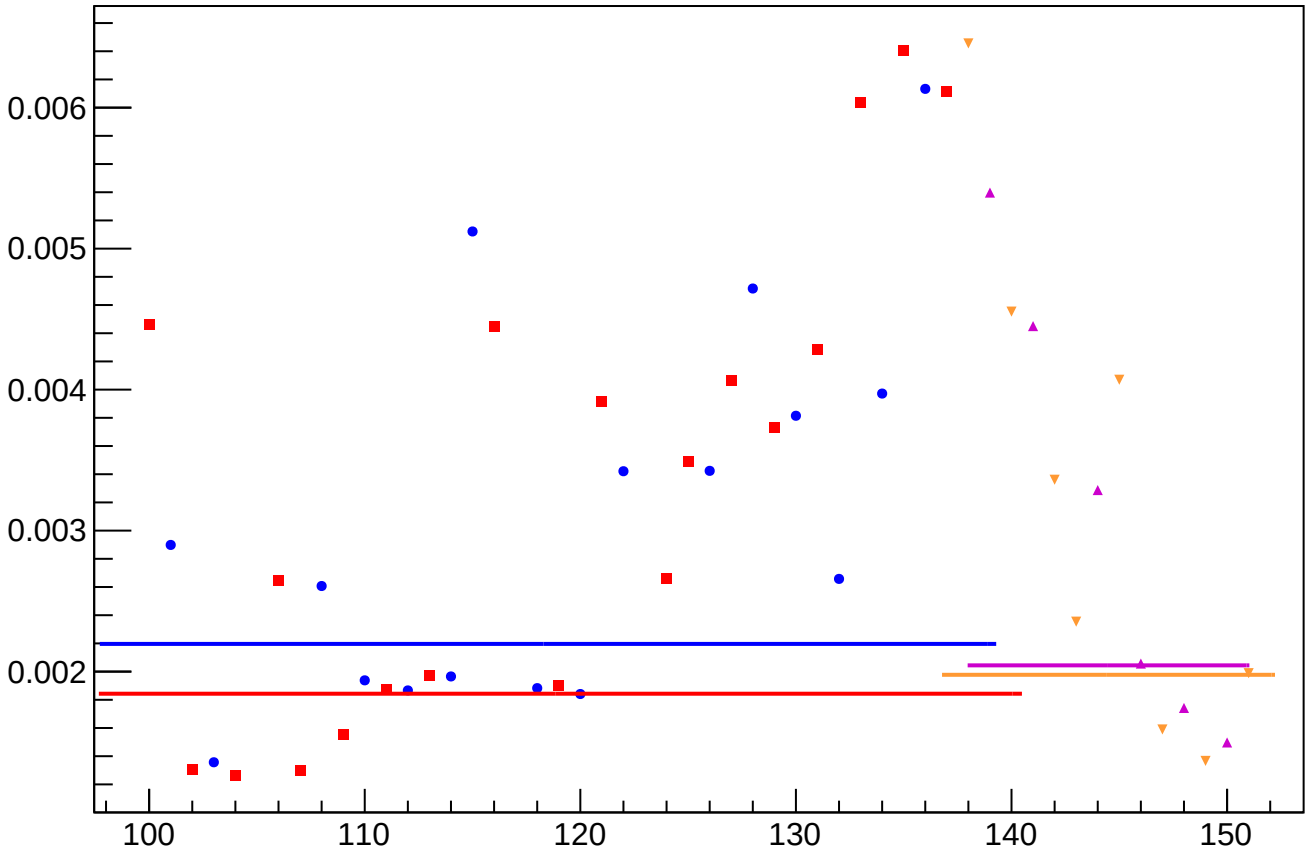
Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:4.3/5

+ sign -0.000+/-0.000 χ^2/NDF: 30.3/23

All: 0.000+/-0.000 χ^2/NDF: 53.1/48

- sign 0.000+/-0.000 χ^2/NDF: 22.2/24



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2322836.4/7

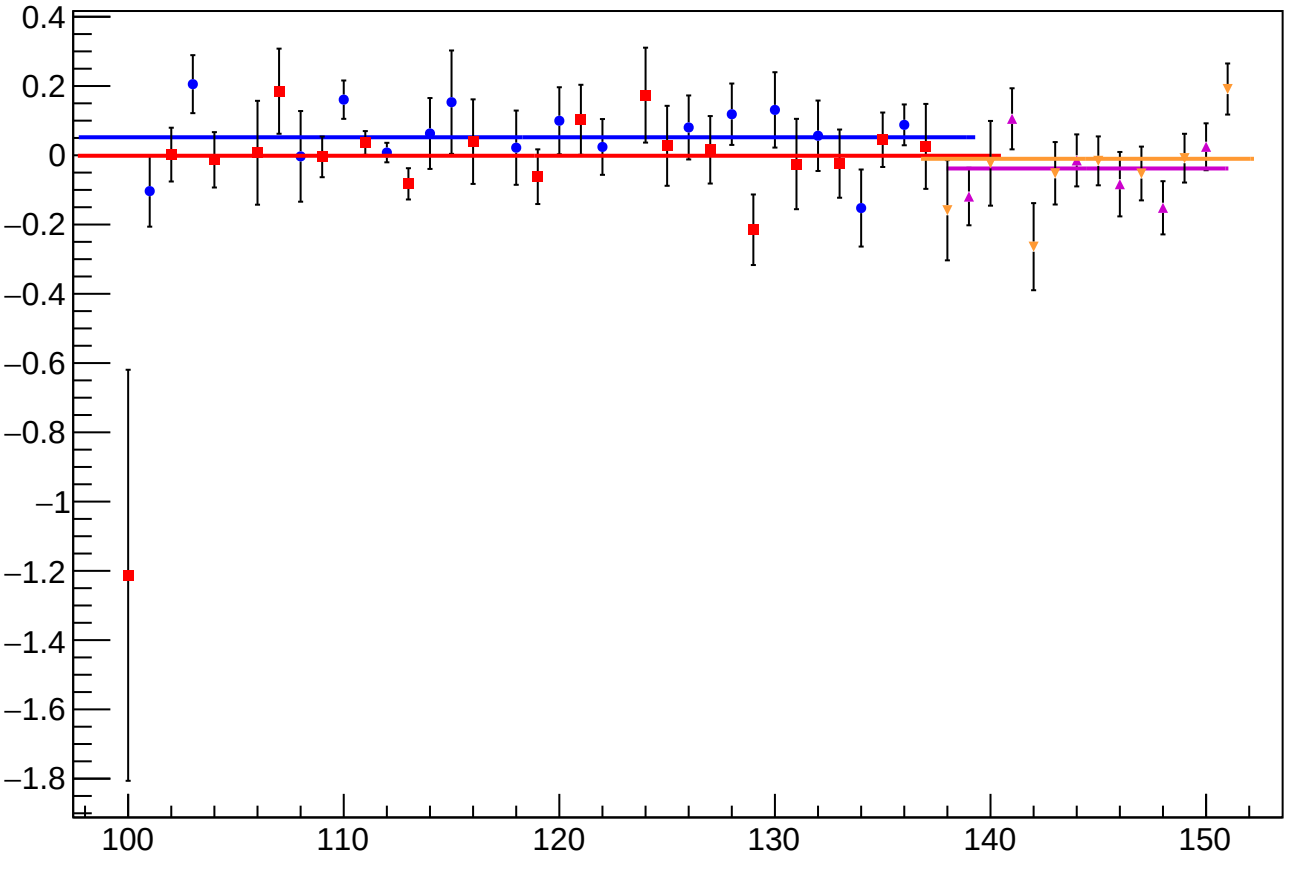
Right Out: 0.002+/-0.000 χ^2/NDF: 3137598.0/18

Left In: 0.002+/-0.000 χ^2/NDF:1658903.5/5

+ sign 0.002+/-0.000 χ^2/NDF: 4674270.2/23

All: 0.002+/-0.000 χ^2/NDF: 9595318.9/48

- sign 0.002+/-0.000 χ^2/NDF: 4847916.6/24



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.010+/-0.031 χ^2/NDF:13.1/7

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

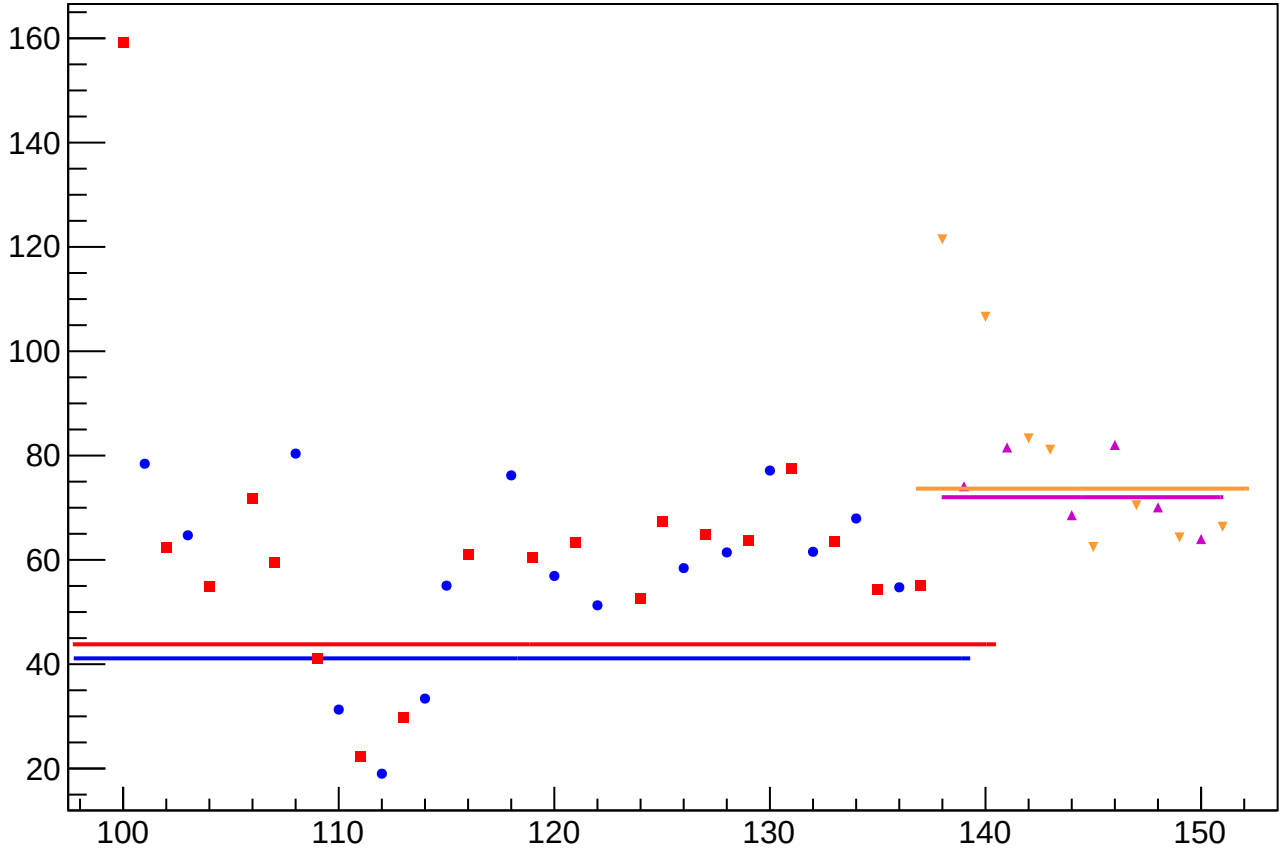
Left In: -0.038+/-0.032 χ^2/NDF:7.0/5

+ sign 0.036+/-0.015 χ^2/NDF: 34.1/23

All: 0.014+/-0.011 χ^2/NDF: 65.8/48

- sign -0.010+/-0.016 χ^2/NDF: 27.2/24

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: 73.664+/-0.022 χ^2/NDF:497271.3/7

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

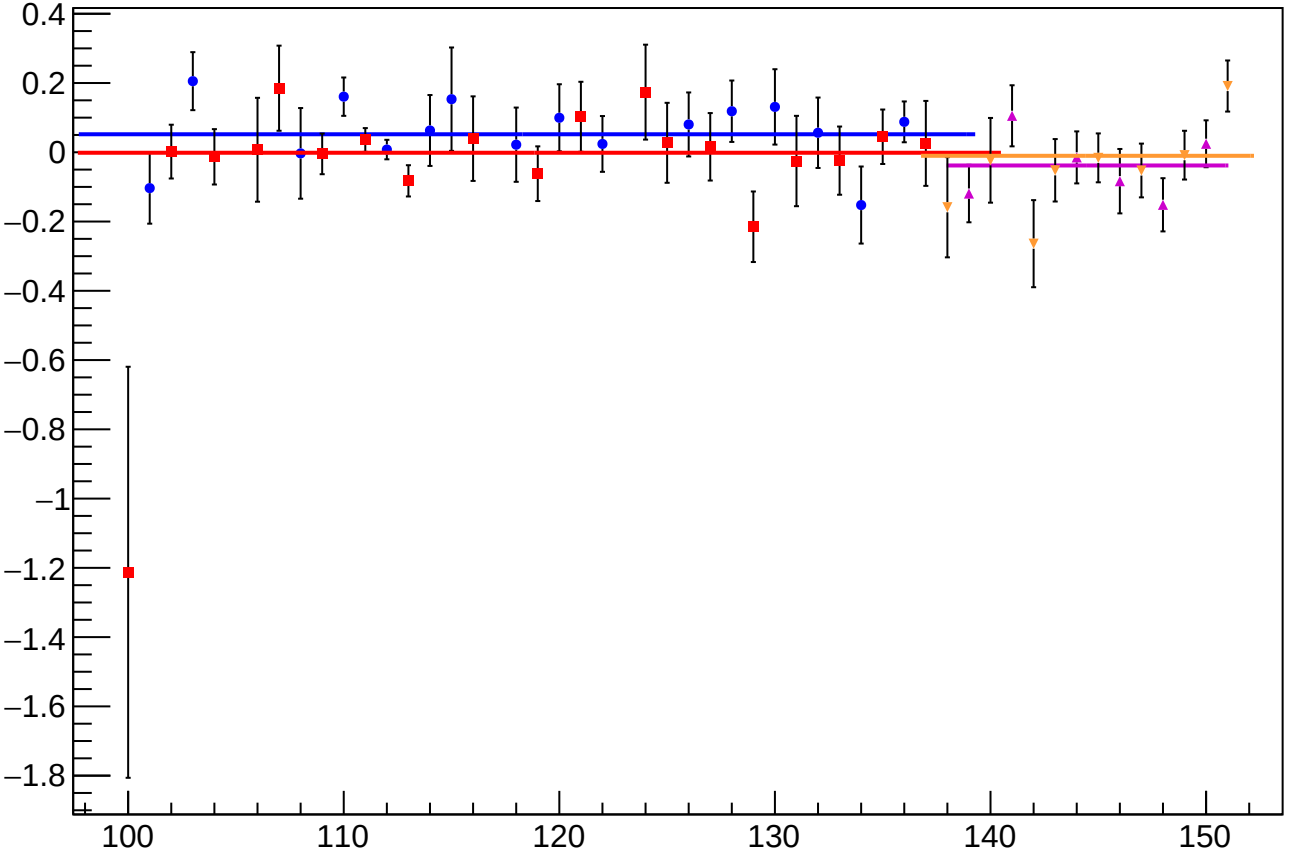
Left In: 72.017+/-0.023 χ^2/NDF:81471.2/5

+ sign 49.241+/-0.011 χ^2/NDF: 5096574.6/23

All: 49.826+/-0.008 χ^2/NDF: 8394460.8/48

- sign 50.432+/-0.011 χ^2/NDF: 3292011.9/24

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.010+/-0.031 χ^2/NDF:13.1/7

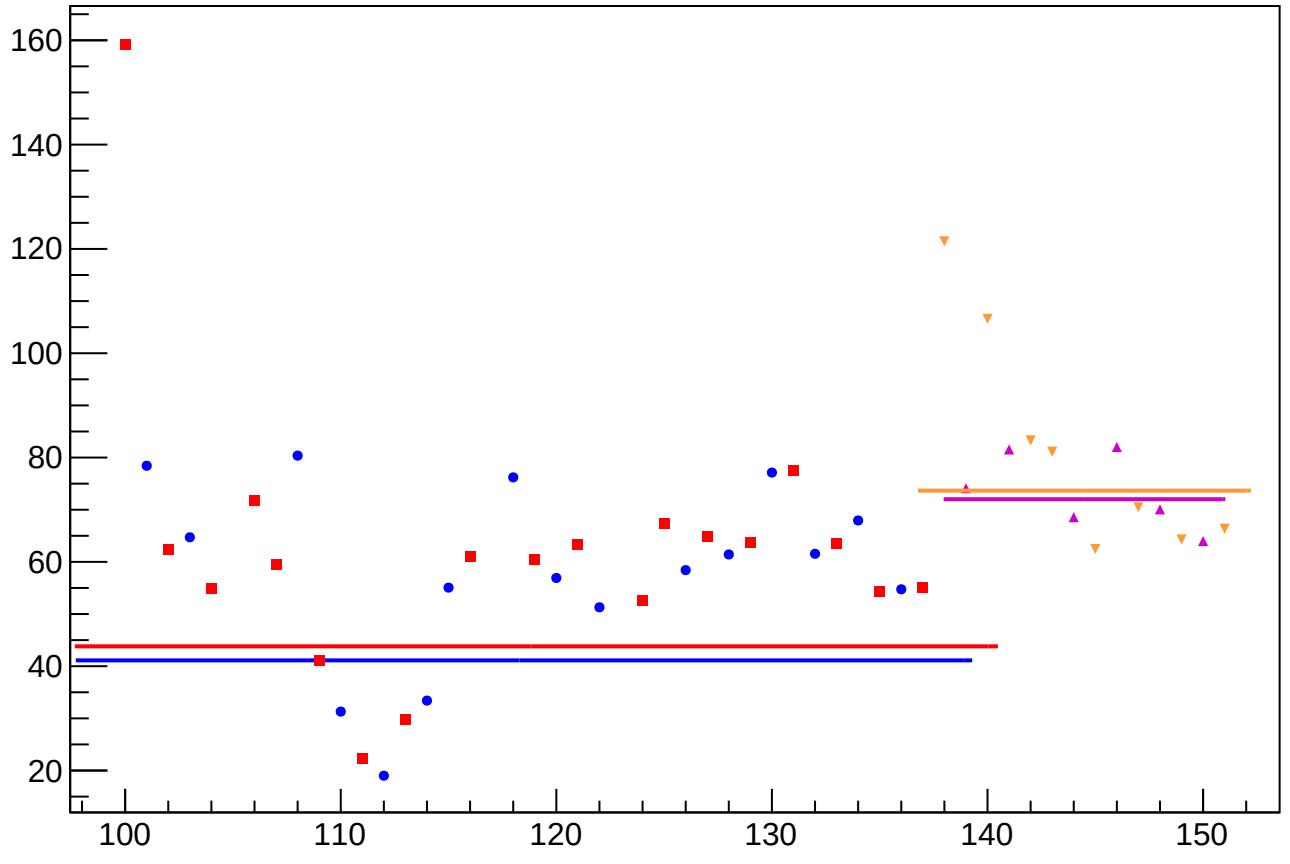
Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.038+/-0.032 χ^2/NDF:7.0/5

+ sign 0.036+/-0.015 χ^2/NDF: 34.1/23

All: 0.014+/-0.011 χ^2/NDF: 65.8/48

- sign -0.010+/-0.016 χ^2/NDF: 27.2/24



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 73.664+/-0.022 χ^2/NDF:497271.3/7

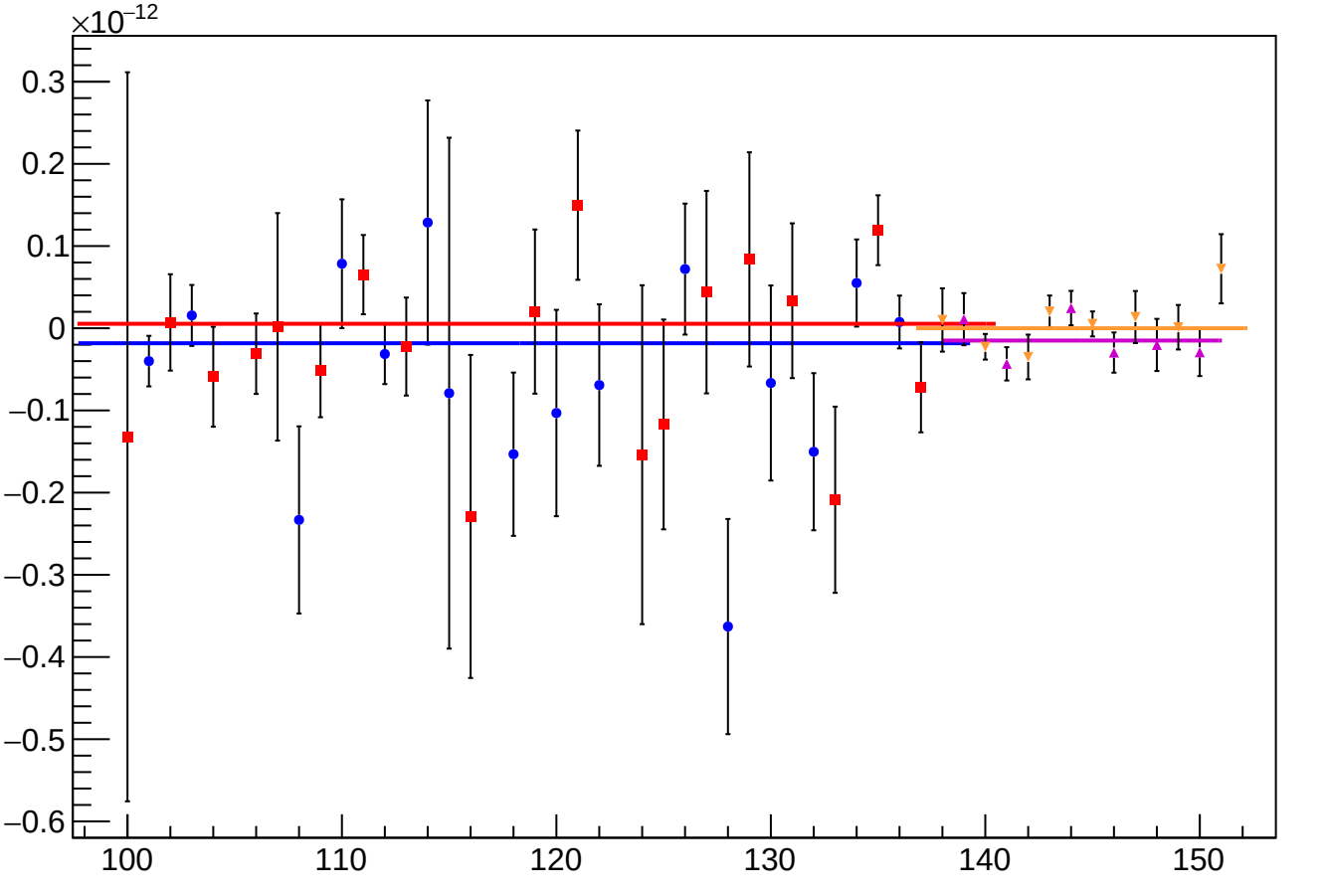
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 72.017+/-0.023 χ^2/NDF:81471.2/5

\+ sign 49.241+/-0.011 χ^2/NDF: 5096574.6/23

All: 49.826+/-0.008 χ^2/NDF: 8394460.8/48

\- sign 50.432+/-0.011 χ^2/NDF: 3292011.9/24



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.2/7

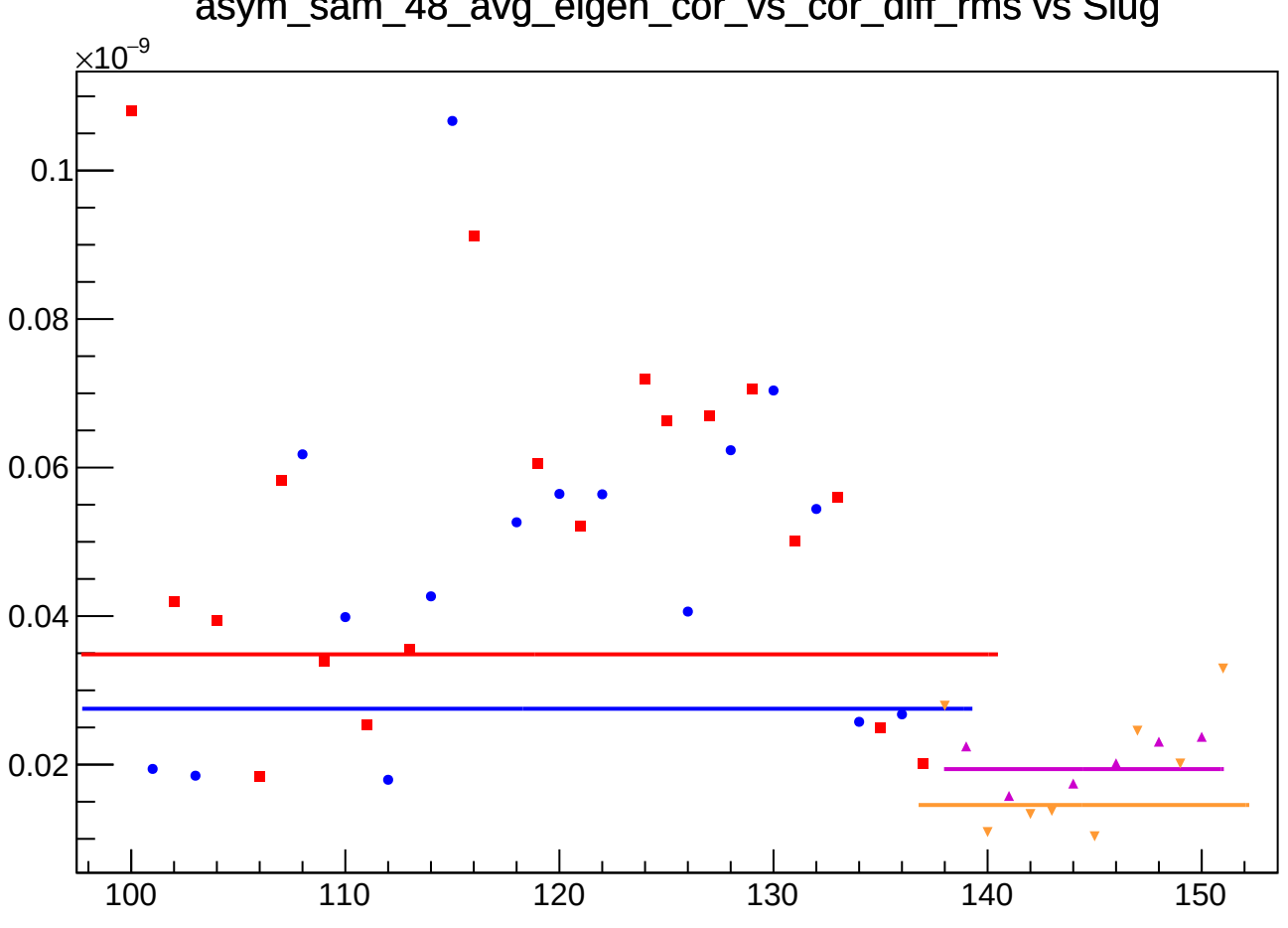
Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: -0.000+/-0.000 χ^2/NDF:6.8/5

+ sign -0.000+/-0.000 χ^2/NDF: 32.4/23

All: -0.000+/-0.000 χ^2/NDF: 63.8/48

- sign -0.000+/-0.000 χ^2/NDF: 31.2/24



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1177314.1/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

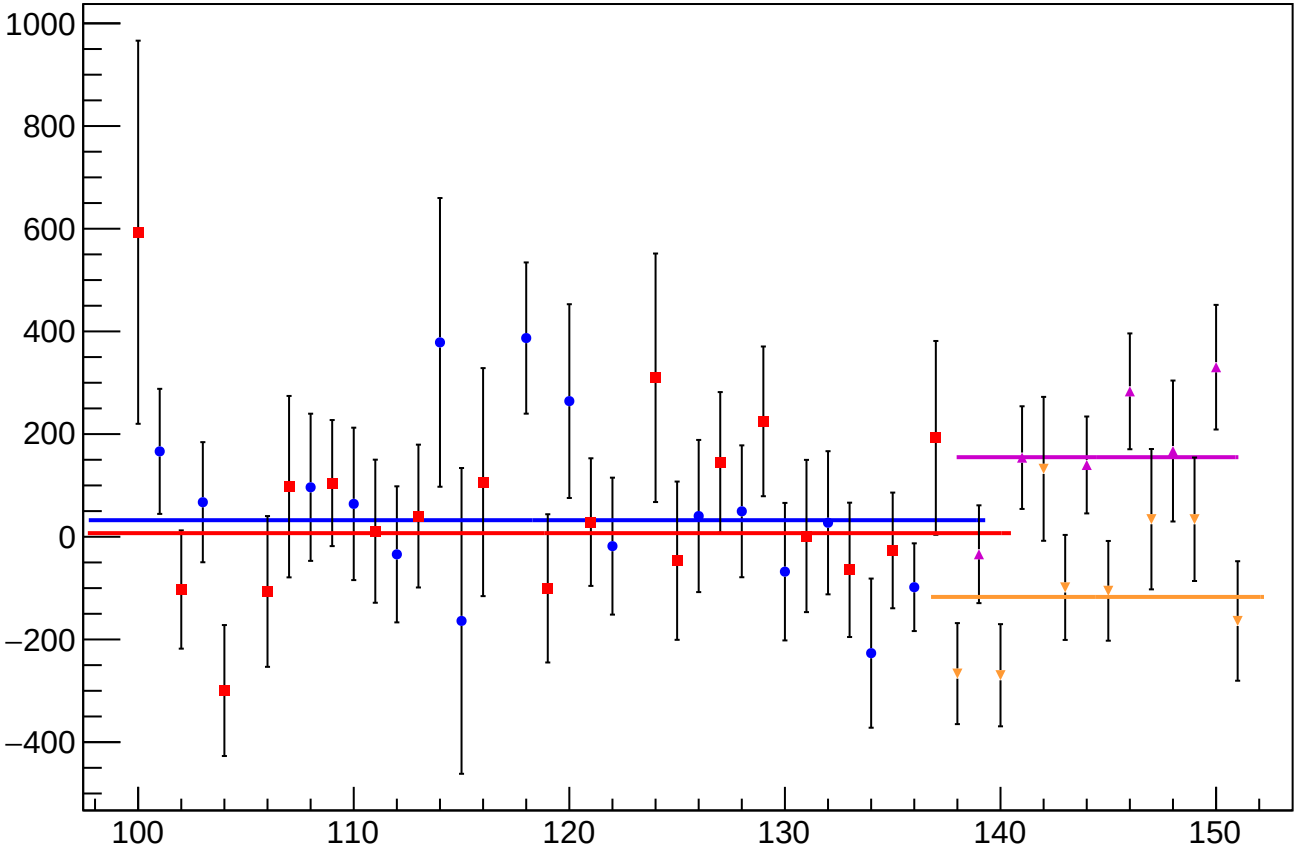
Left In: 0.000+/-0.000 χ^2/NDF:173932.9/5

+ sign 0.000+/-0.000 χ^2/NDF: 4221446.8/23

All: 0.000+/-0.000 χ^2/NDF: 7910490.7/48

- sign 0.000+/-0.000 χ^2/NDF: 3097120.4/24

reg_asym_sam_15_dd_mean vs Slug



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

Left Out: -117.147+/-39.122 χ^2/NDF:10.8/7

Right Out: 7.070+/-33.420 χ^2/NDF: 17.8/18

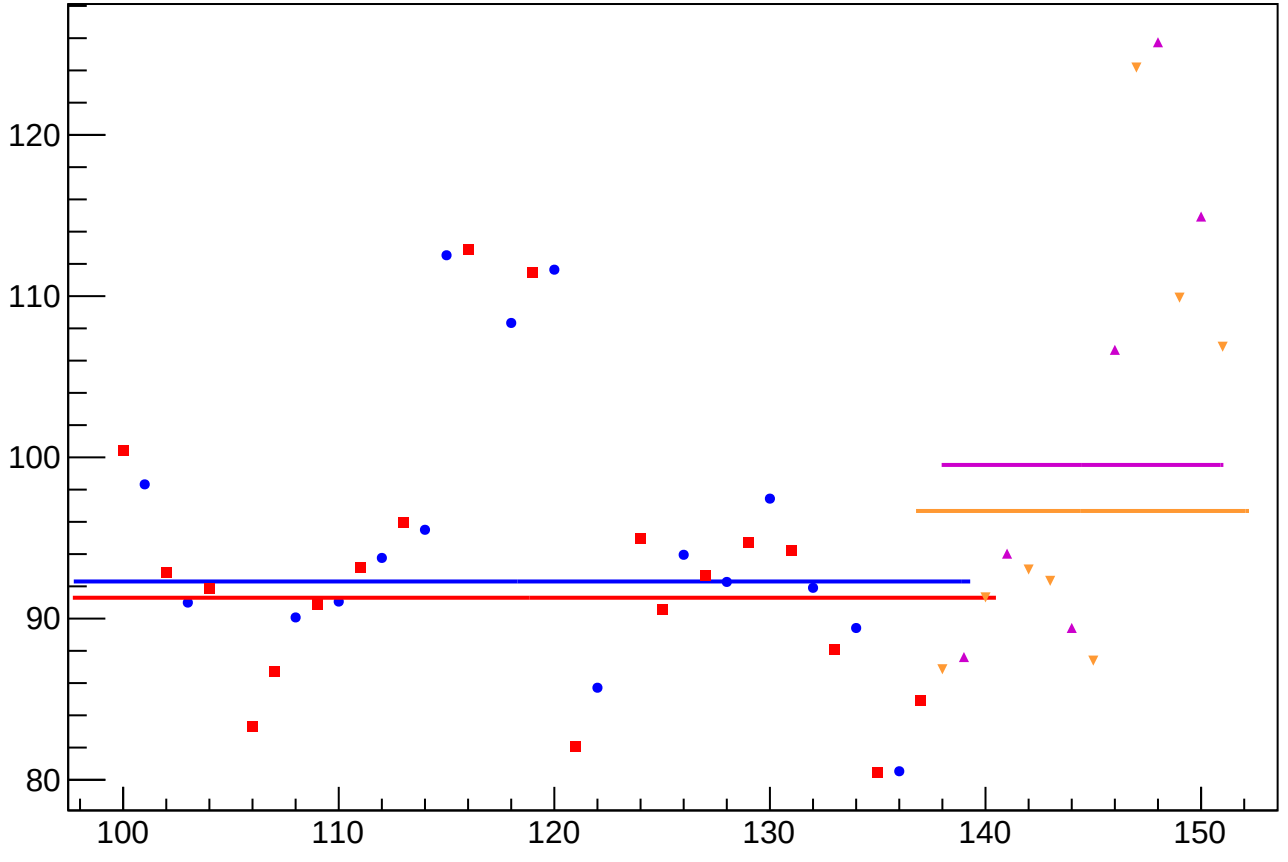
Left In: 155.025+/-43.765 χ^2/NDF:7.4/5

+ sign -32.927+/-25.846 χ^2/NDF: 36.4/23

All: 13.030+/-18.523 χ^2/NDF: 75.2/48

- sign 61.567+/-26.561 χ^2/NDF: 32.3/24

reg_asym_sam_15_dd_rms vs Slug



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 96.675+/-0.028 χ^2/NDF:169450.2/7

Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

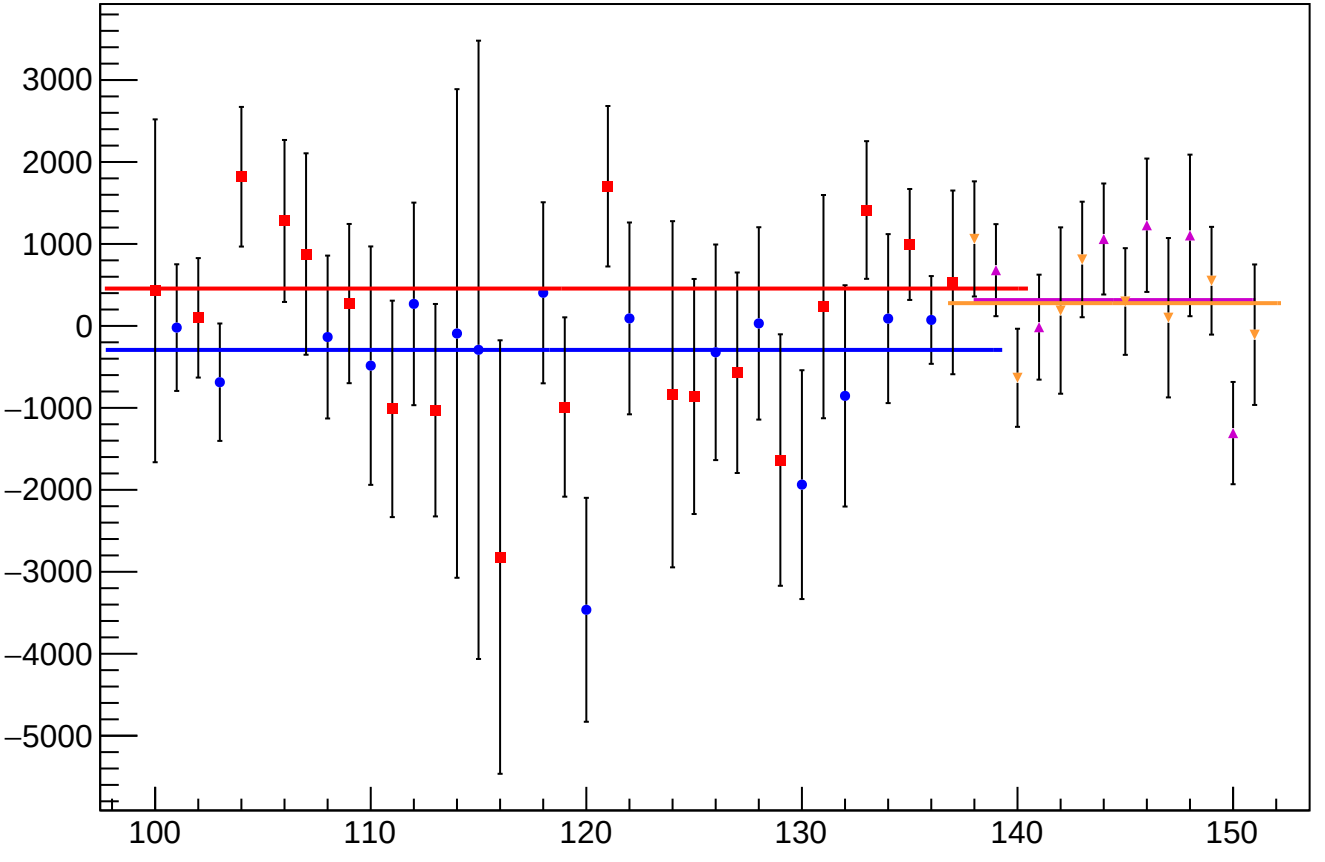
Left In: 99.531+/-0.031 χ^2/NDF:173513.1/5

+ sign 94.211+/-0.018 χ^2/NDF: 290599.3/23

All: 94.268+/-0.013 χ^2/NDF: 613981.5/48

- sign 94.328+/-0.019 χ^2/NDF: 323362.4/24

asym_sam_15_dd_reg_correction_mean vs Slug



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 277.710+/-259.092 χ^2/NDF:4.5/7

Right Out: 455.830+/-248.717 χ^2/NDF: 16.9/18

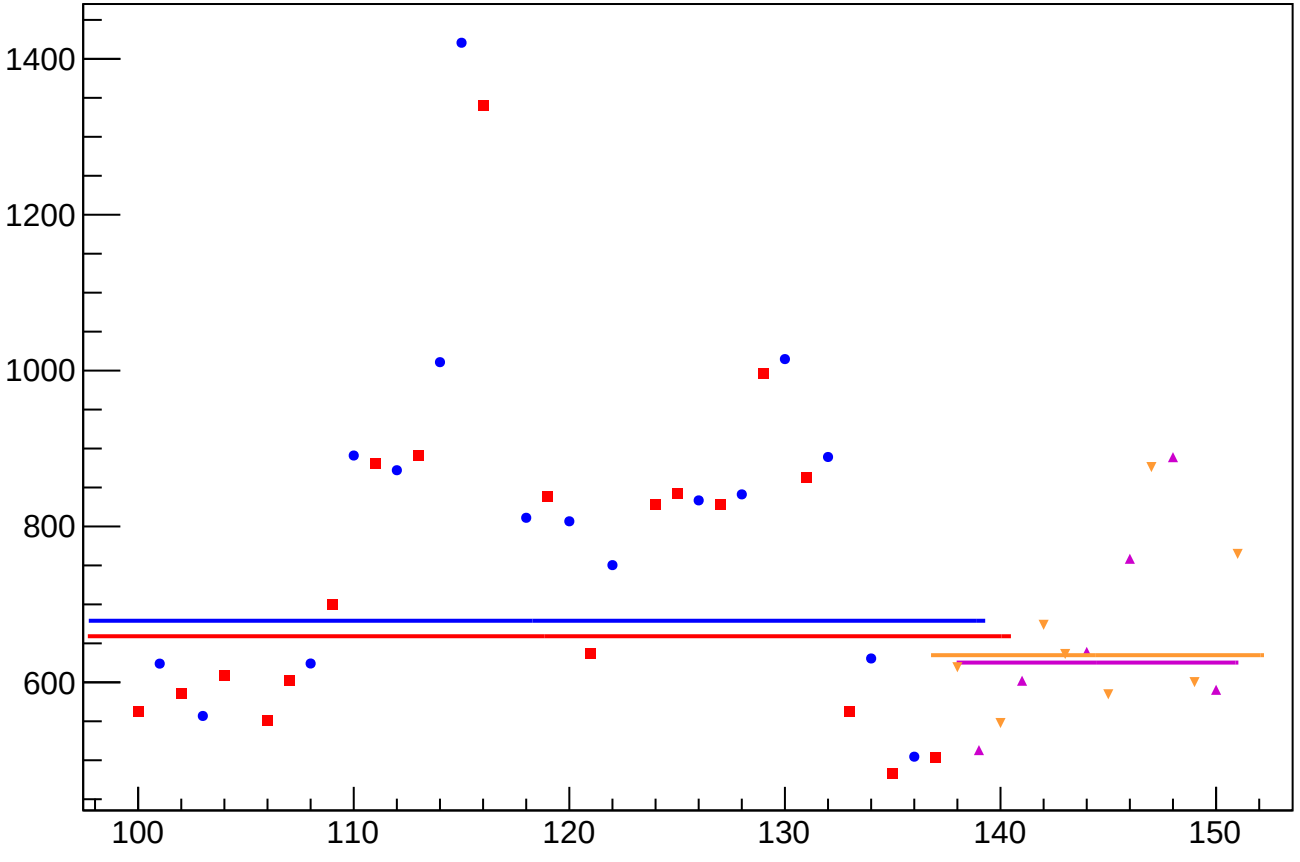
Left In: 315.203+/-278.431 χ^2/NDF:10.6/5

+ sign -6.863+/-183.418 χ^2/NDF: 15.8/23

All: 191.031+/-130.422 χ^2/NDF: 45.7/48

- sign 393.418+/-185.488 χ^2/NDF: 27.6/24

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 634.832+/-0.183 χ^2/NDF:232914.5/7

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

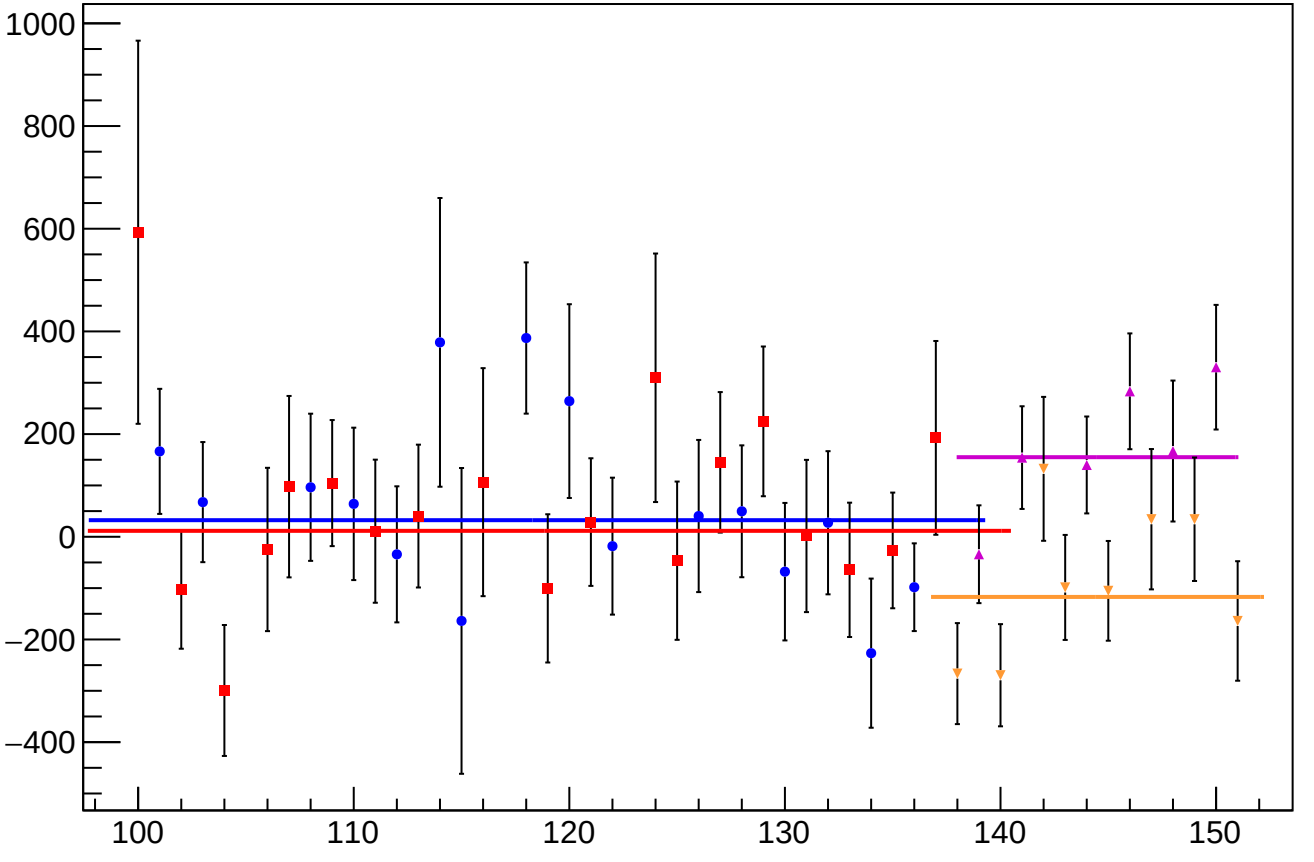
Left In: 625.331+/-0.197 χ^2/NDF:286387.5/5

+ sign 656.867+/-0.130 χ^2/NDF: 1029894.6/23

All: 650.571+/-0.092 χ^2/NDF: 2133321.5/48

- sign 644.132+/-0.131 χ^2/NDF: 1098660.1/24

cor_asym_sam_15_dd_mean vs Slug



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -117.149+/-39.122 χ^2/NDF:10.8/7

Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

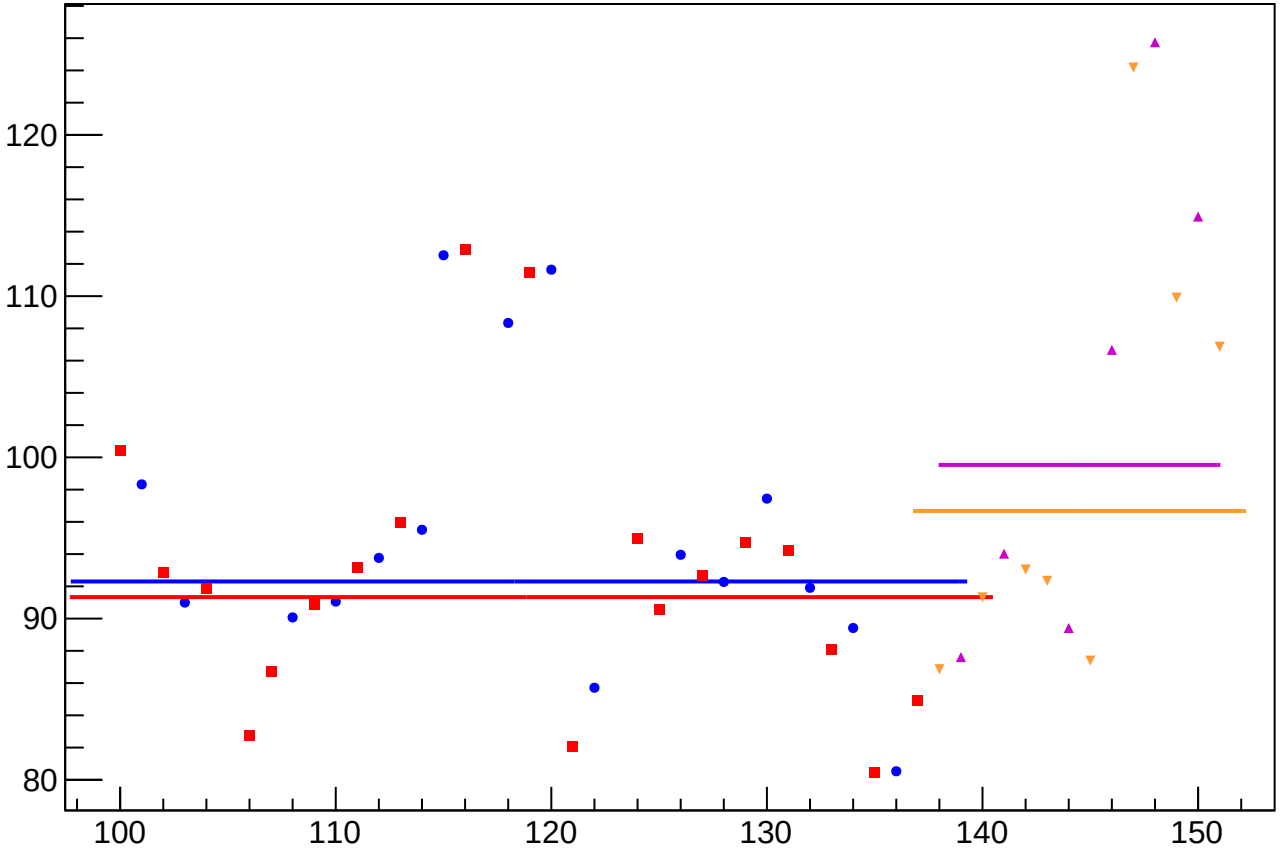
Left In: 155.026+/-43.765 χ^2/NDF:7.4/5

+ sign -32.919+/-25.846 χ^2/NDF: 36.4/23

All: 14.425+/-18.545 χ^2/NDF: 74.6/48

- sign 64.670+/-26.626 χ^2/NDF: 31.3/24

cor_asym_sam_15_dd_rms vs Slug



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 96.675+/-0.028 χ^2/NDF:169450.2/7

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

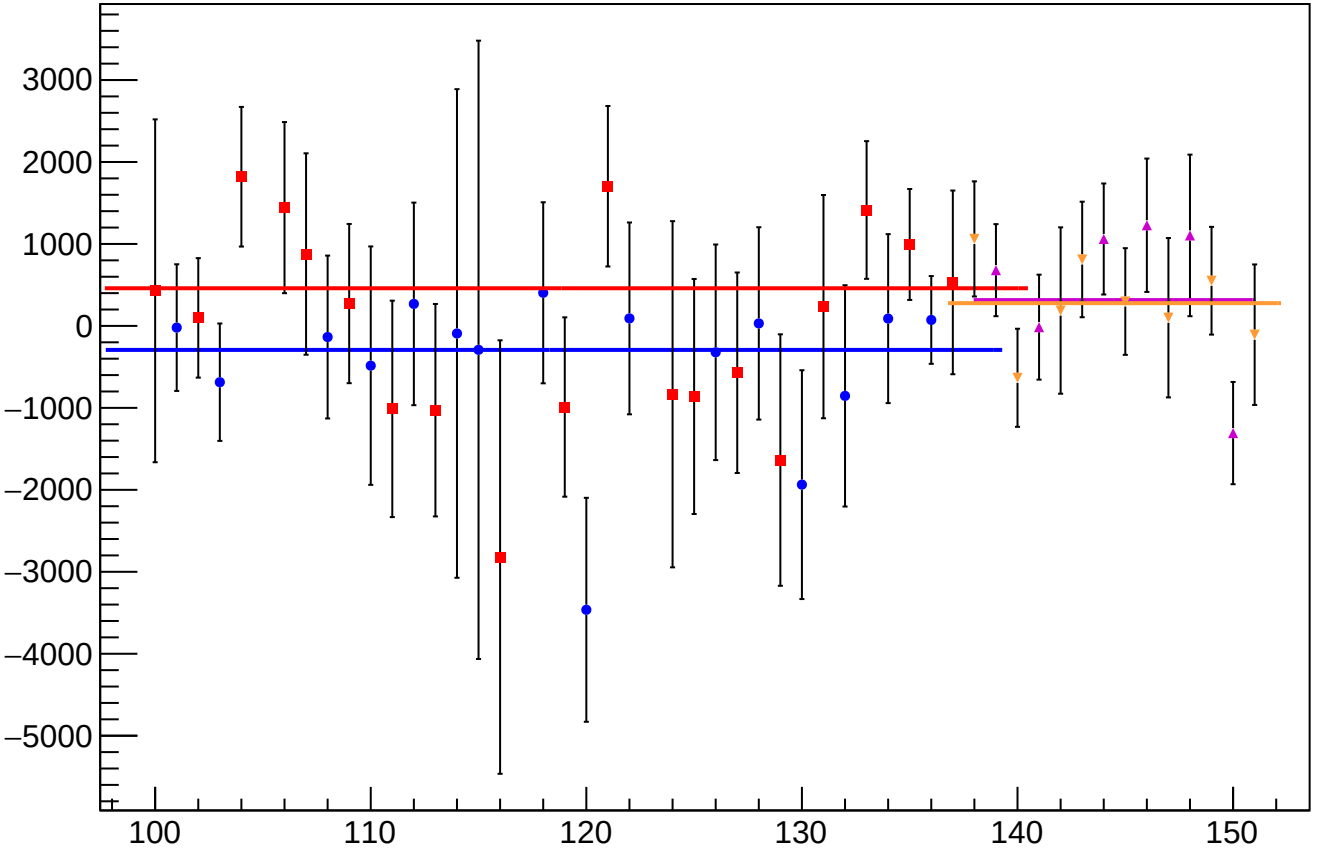
Left In: 99.531+/-0.031 χ^2/NDF:173513.1/5

+ sign 94.211+/-0.018 χ^2/NDF: 290599.3/23

All: 94.286+/-0.013 χ^2/NDF: 613277.5/48

- sign 94.367+/-0.019 χ^2/NDF: 322643.0/24

asym_sam_15_dd_cor_correction_mean vs Slug



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 277.706+/-259.092 χ^2/NDF:4.5/7

Right Out: 459.595+/-249.543 χ^2/NDF: 17.1/18

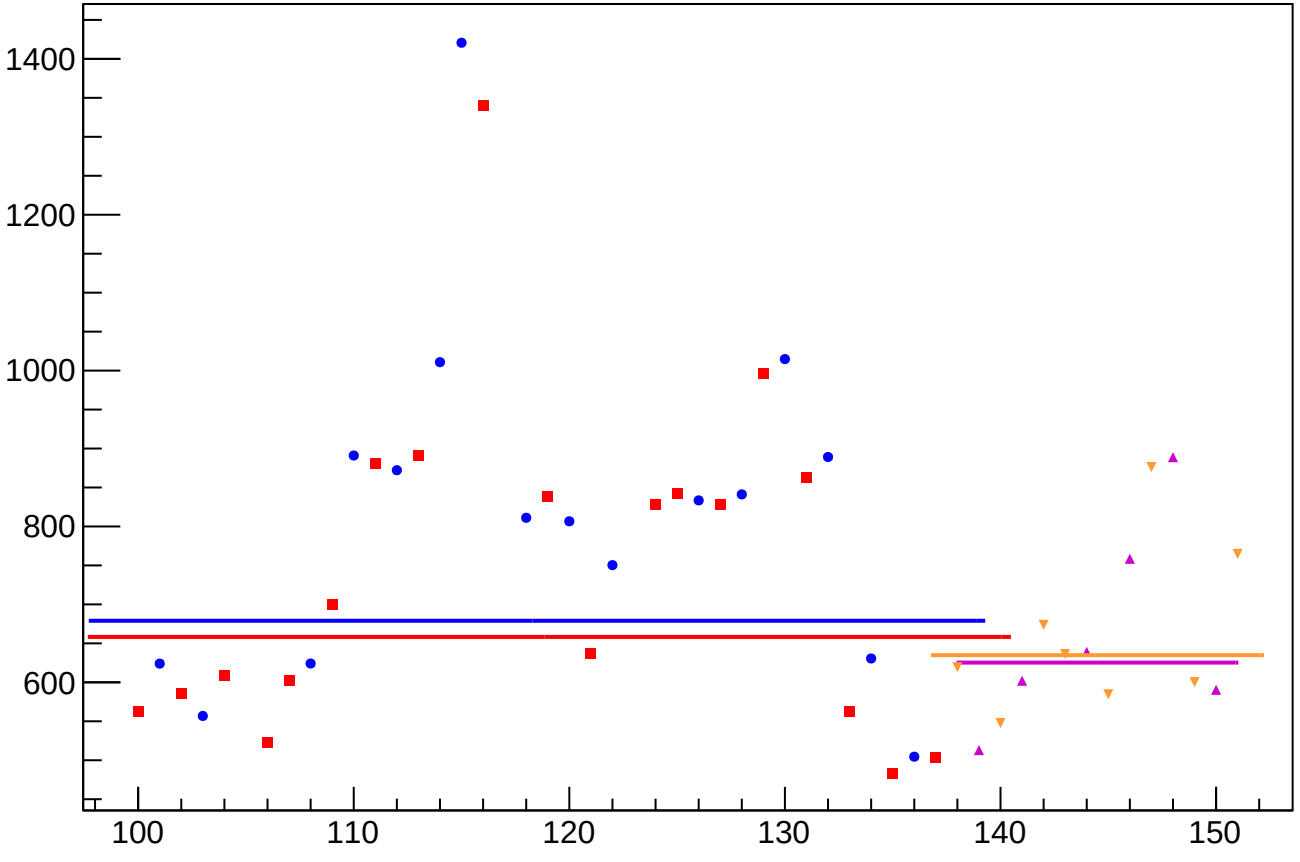
Left In: 315.200+/-278.431 χ^2/NDF:10.6/5

\+ sign -6.864+/-183.418 χ^2/NDF: 15.8/23

All: 191.578+/-130.540 χ^2/NDF: 45.9/48

\- sign 395.275+/-185.830 χ^2/NDF: 27.8/24

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 634.833+/-0.183 χ^2/NDF:232914.8/7

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

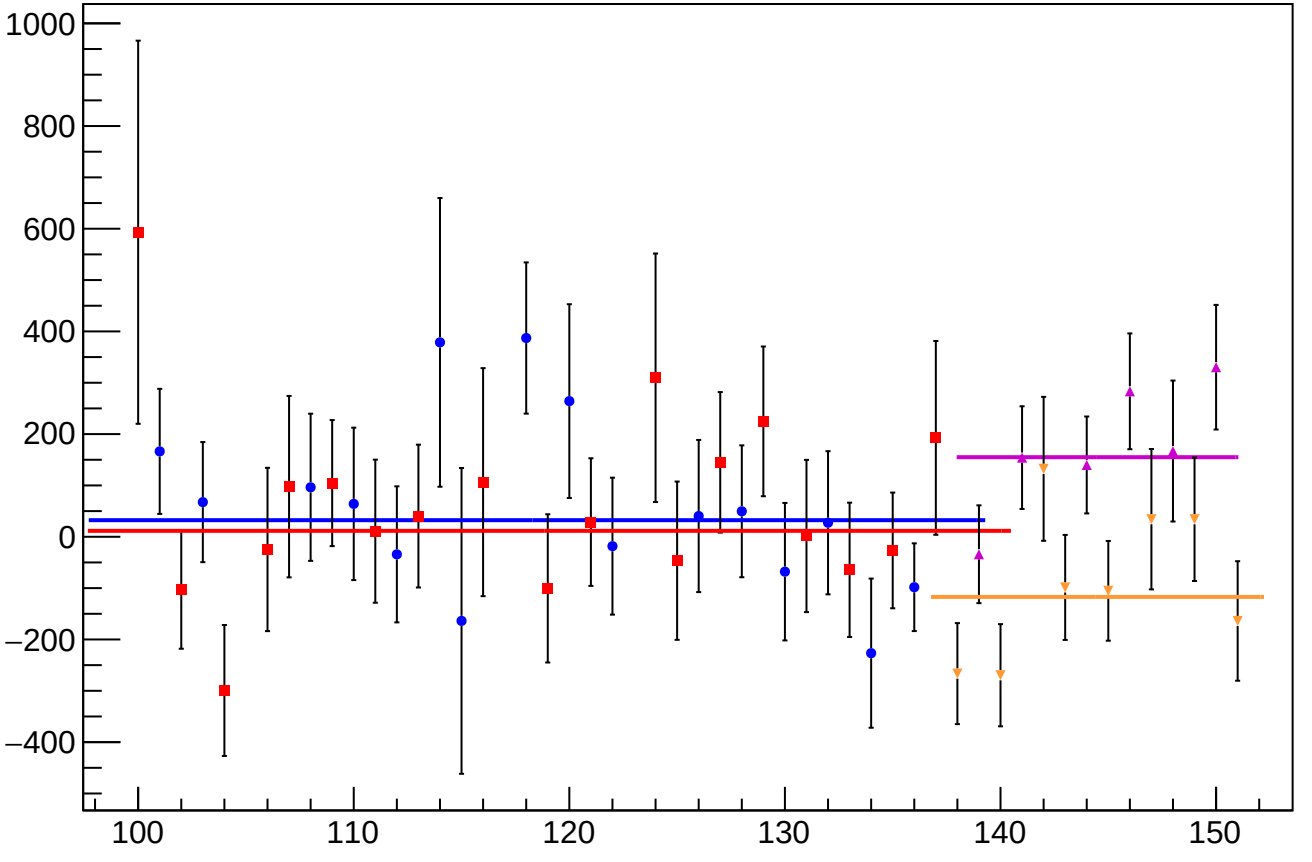
Left In: 625.331+/-0.197 χ^2/NDF:286387.2/5

+ sign 656.867+/-0.130 χ^2/NDF: 1029896.4/23

All: 650.316+/-0.092 χ^2/NDF: 2142864.7/48

- sign 643.593+/-0.131 χ^2/NDF: 1107799.6/24

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -117.149+/-39.122 χ^2/NDF:10.8/7

Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

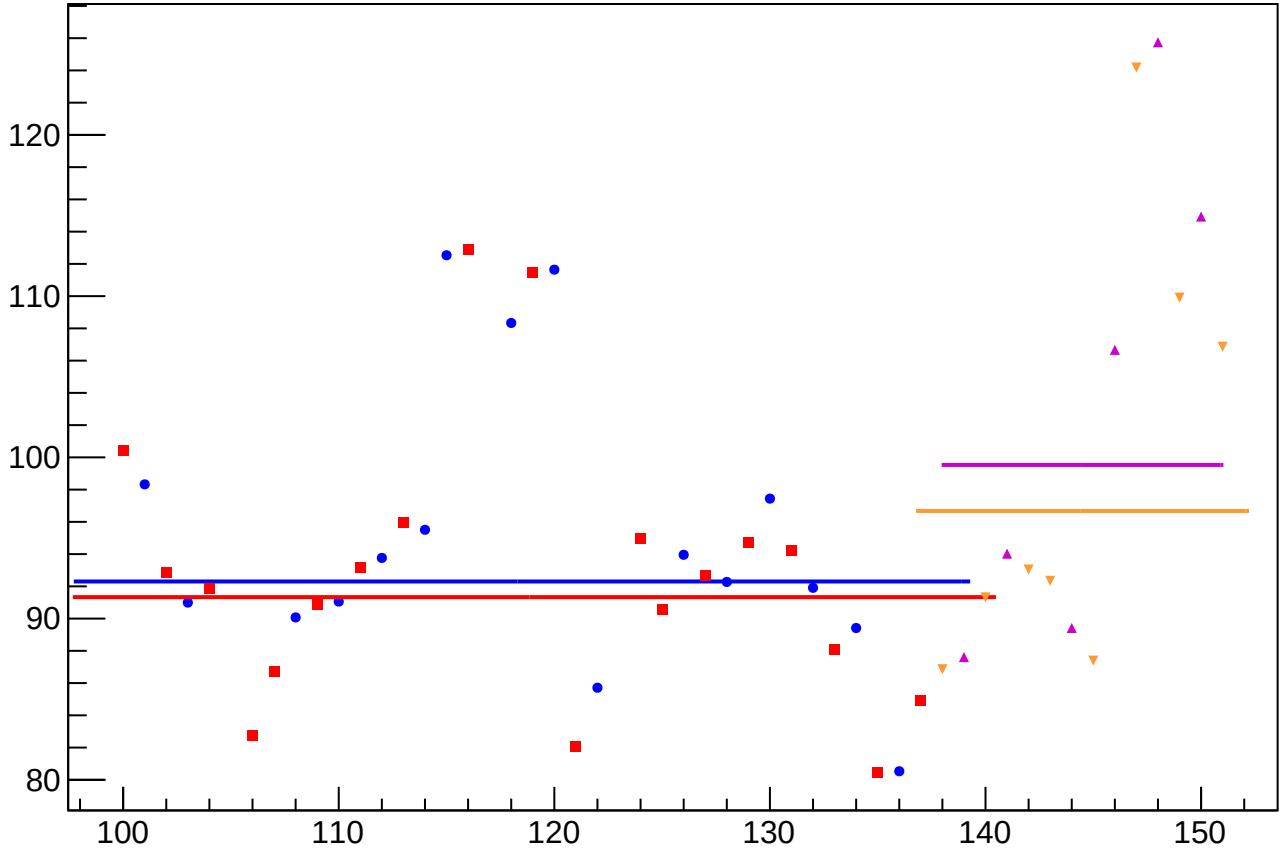
Left In: 155.026+/-43.765 χ^2/NDF:7.4/5

+ sign -32.919+/-25.846 χ^2/NDF: 36.4/23

All: 14.425+/-18.545 χ^2/NDF: 74.6/48

- sign 64.670+/-26.626 χ^2/NDF: 31.3/24

eigen_cor_asym_sam_15_dd_rms vs Slug



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 96.675+/-0.028 χ^2/NDF:169450.2/7

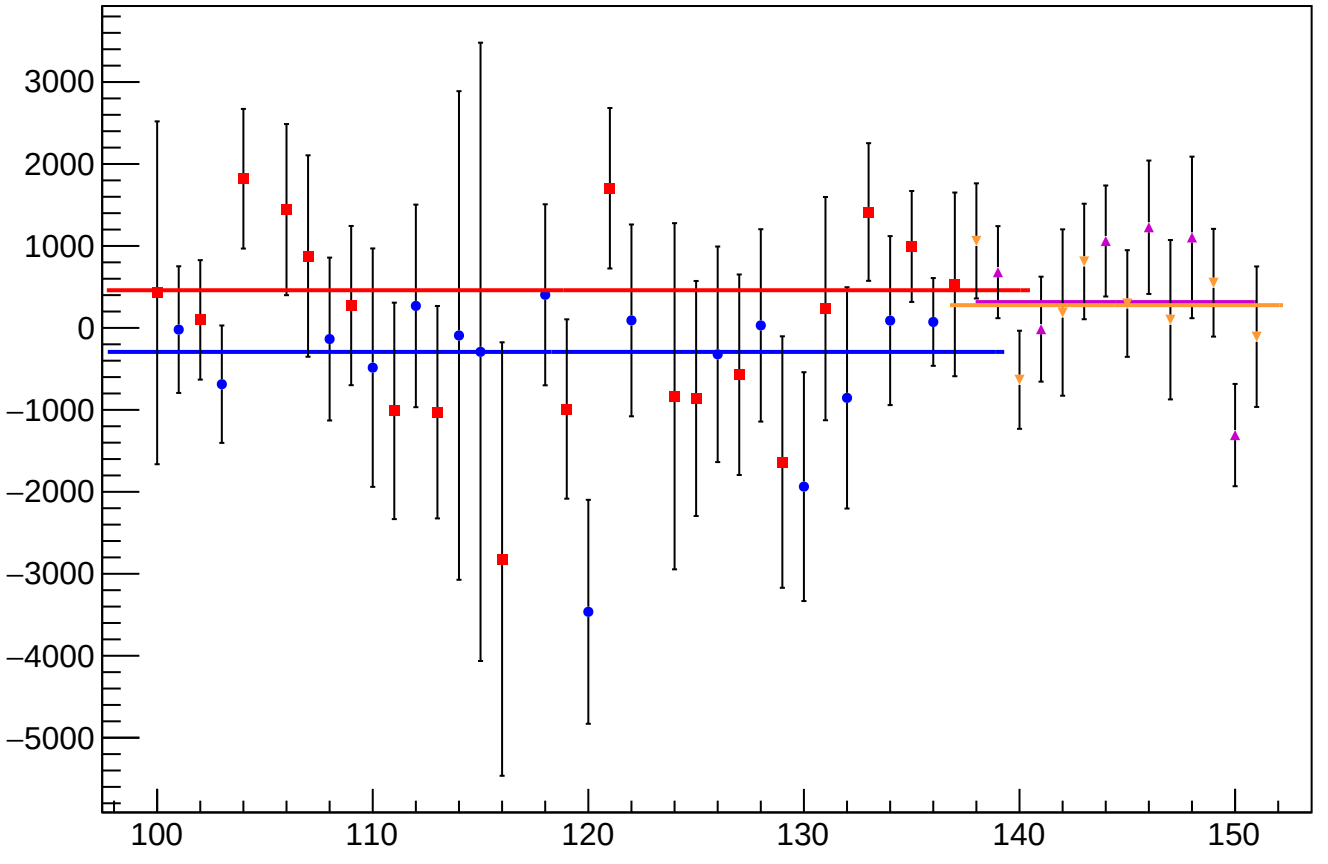
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 99.531+/-0.031 χ^2/NDF:173513.1/5

+ sign 94.211+/-0.018 χ^2/NDF: 290599.3/23

All: 94.286+/-0.013 χ^2/NDF: 613277.5/48

- sign 94.367+/-0.019 χ^2/NDF: 322643.0/24



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 277.706+/-259.092 χ^2/NDF:4.5/7

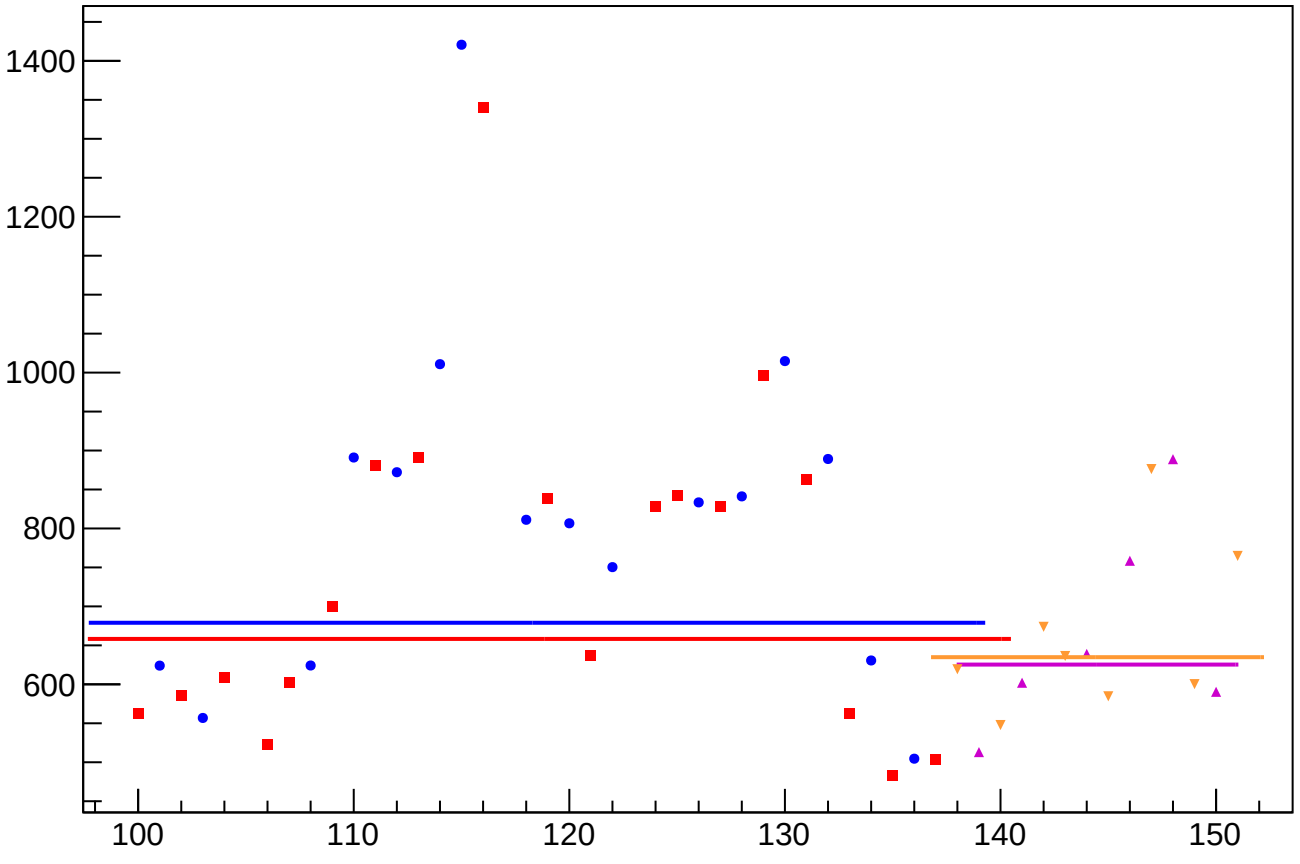
Right Out: 459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: 315.200+/-278.431 χ^2/NDF:10.6/5

\+ sign -6.864+/-183.418 χ^2/NDF: 15.8/23

All: 191.578+/-130.540 χ^2/NDF: 45.9/48

\- sign 395.275+/-185.830 χ^2/NDF: 27.8/24



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 634.833+/-0.183 χ^2/NDF:232914.8/7

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

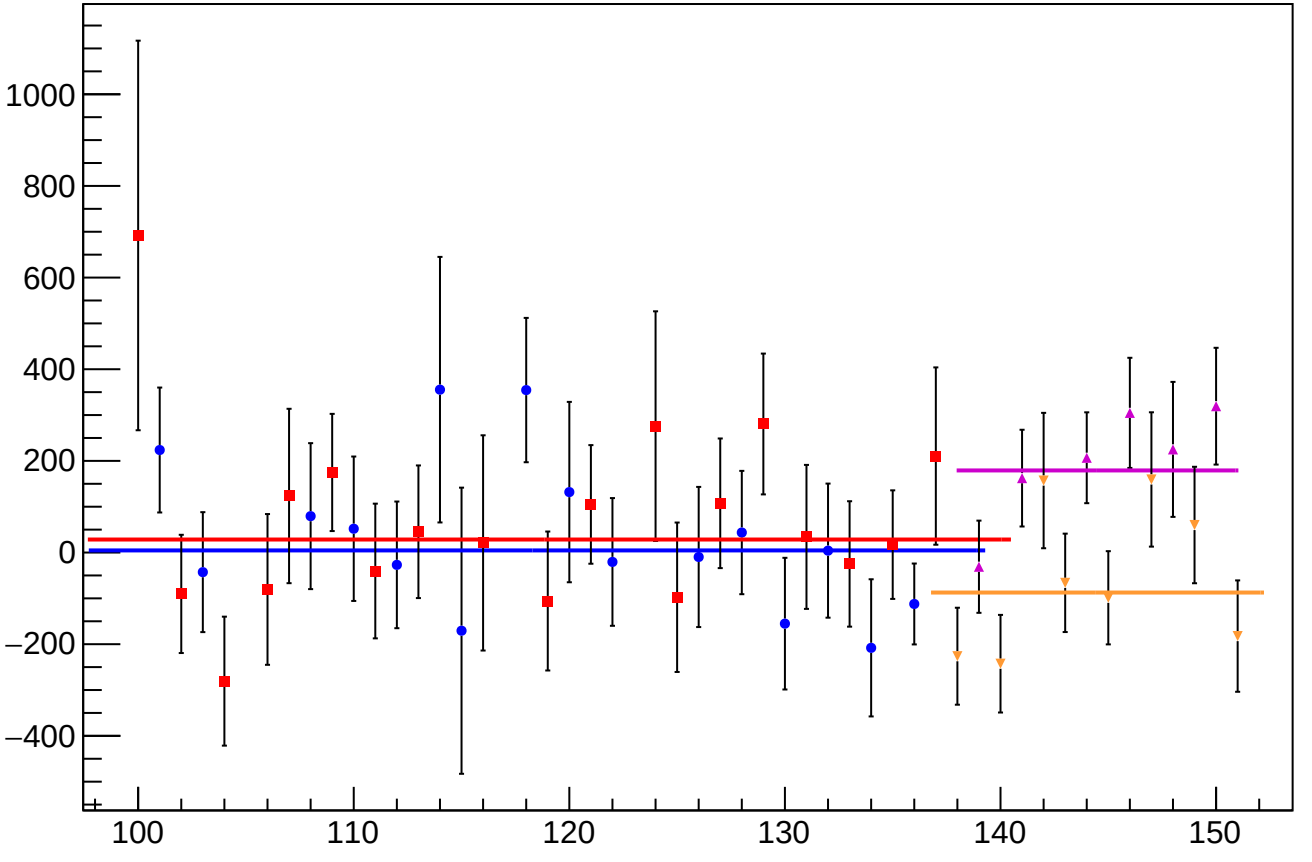
Left In: 625.331+/-0.197 χ^2/NDF:286387.2/5

+ sign 656.867+/-0.130 χ^2/NDF: 1029896.4/23

All: 650.316+/-0.092 χ^2/NDF: 2142864.7/48

- sign 643.593+/-0.131 χ^2/NDF: 1107799.6/24

dit_asym_sam_15_dd_mean vs Slug



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -87.285+/-41.419 χ^2/NDF:11.4/7

Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

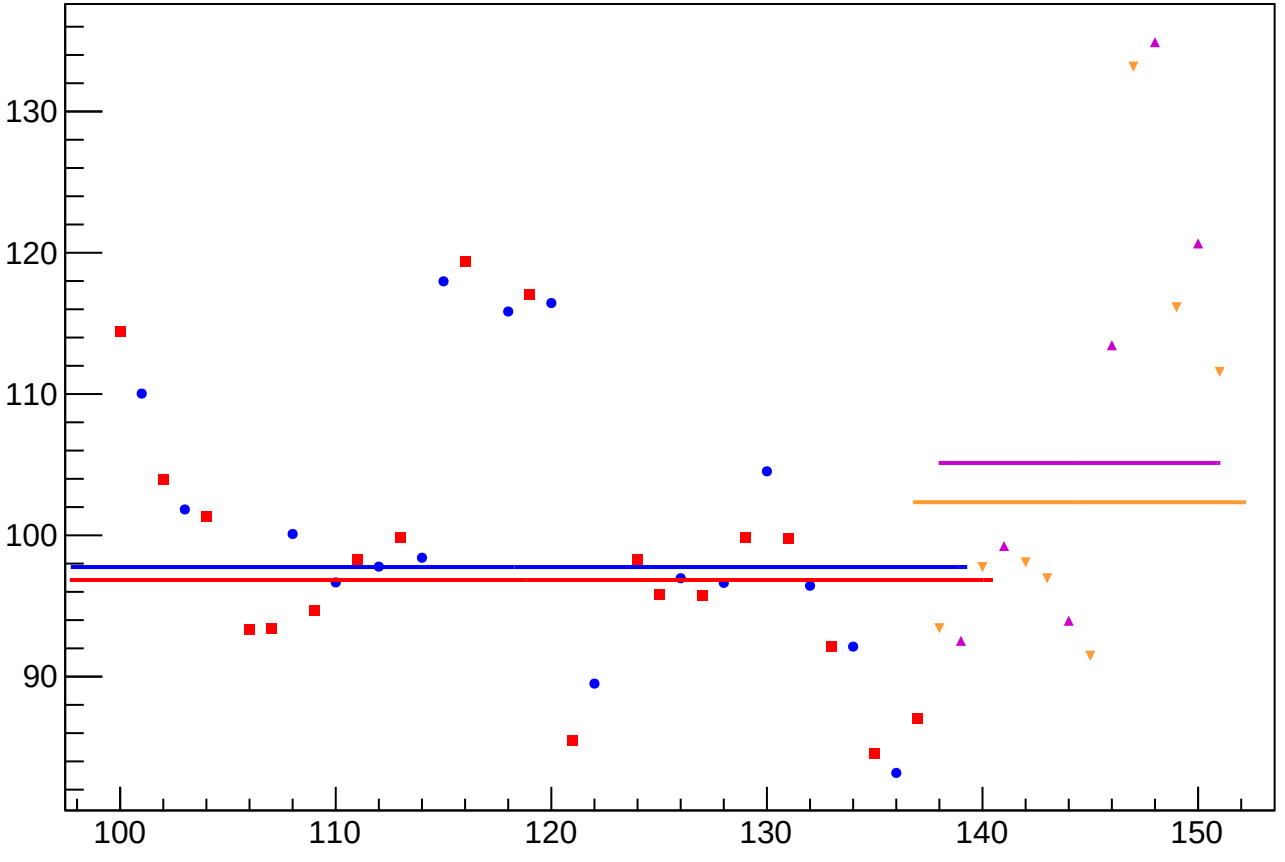
Left In: 179.150+/-46.260 χ^2/NDF:6.9/5

+ sign -35.565+/-27.388 χ^2/NDF: 29.5/23

All: 22.688+/-19.629 χ^2/NDF: 69.5/48

- sign 84.208+/-28.145 χ^2/NDF: 30.7/24

dit_asym_sam_15_dd_rms vs Slug



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 102.342+/-0.029 χ^2/NDF:171027.1/7

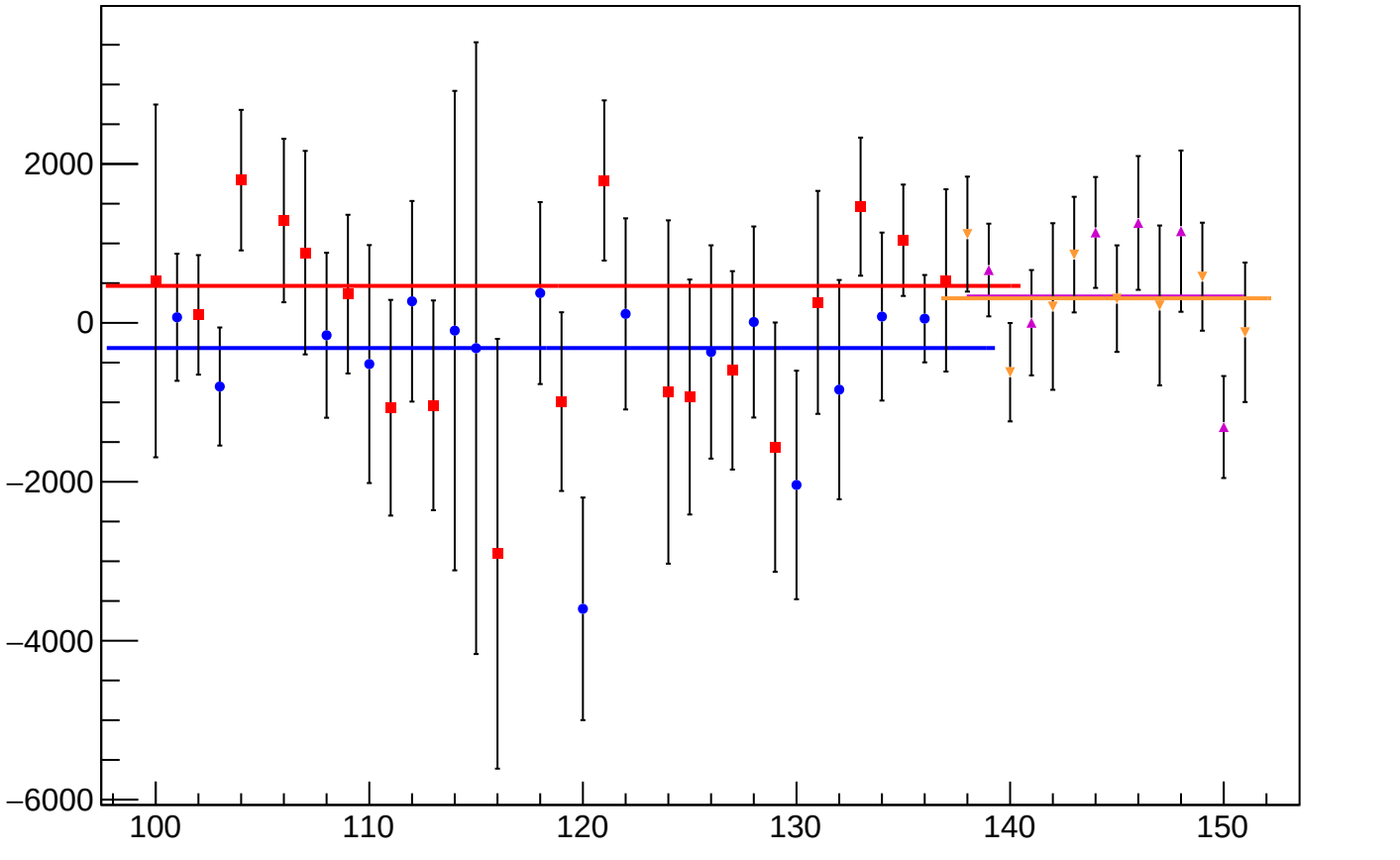
Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 105.123+/-0.033 χ^2/NDF:184044.8/5

+ sign 99.761+/-0.019 χ^2/NDF: 325480.2/23

All: 99.832+/-0.014 χ^2/NDF: 665105.9/48

- sign 99.906+/-0.020 χ^2/NDF: 339598.6/24



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 309.247+/-267.351 χ^2/NDF:4.5/7

Right Out: 465.576+/-256.646 χ^2/NDF: 16.5/18

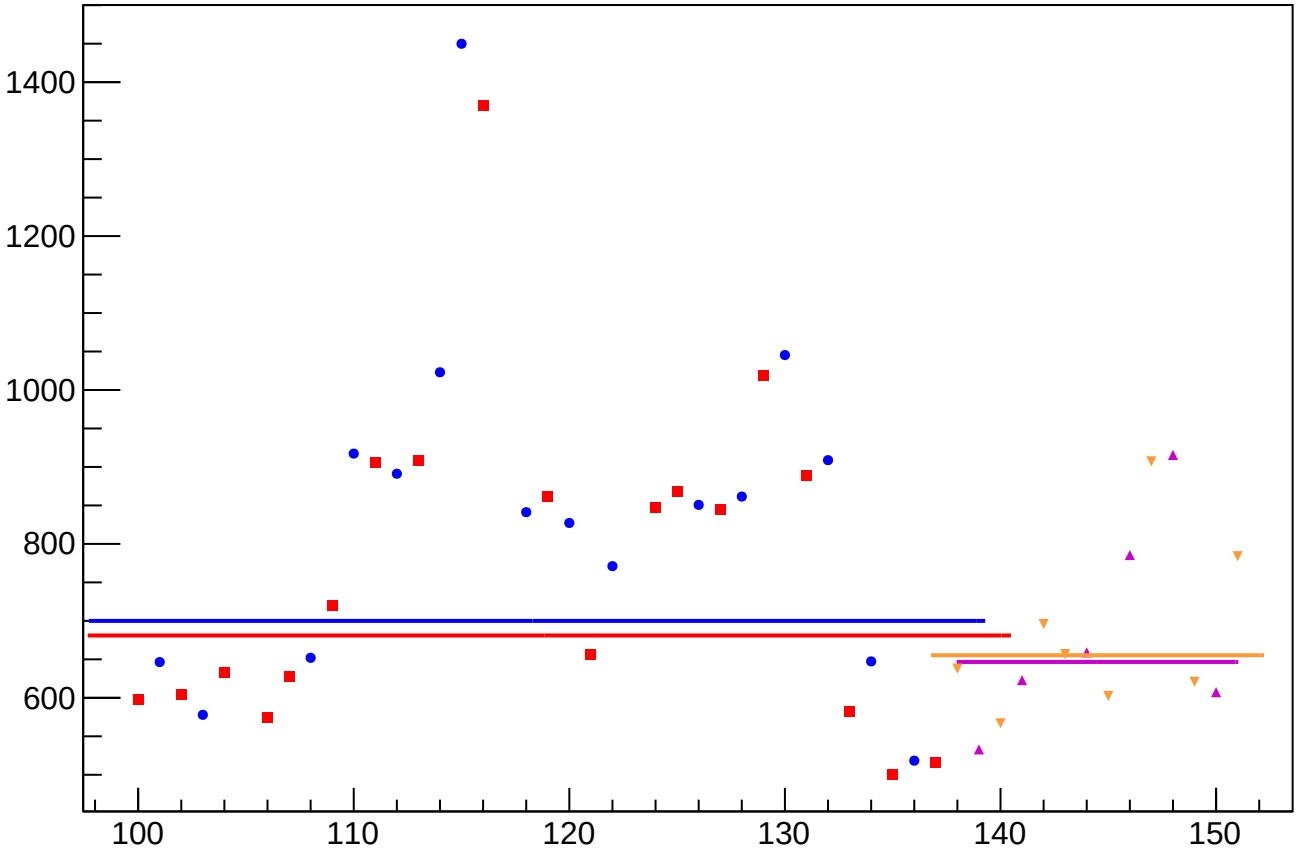
Left In: 332.008+/-287.698 χ^2/NDF:10.3/5

\+ sign -3.470+/-189.104 χ^2/NDF: 16.4/23

All: 198.860+/-134.562 χ^2/NDF: 45.6/48

\- sign 406.387+/-191.517 χ^2/NDF: 26.9/24

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 655.331+/-0.189 χ^2/NDF:230921.8/7

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

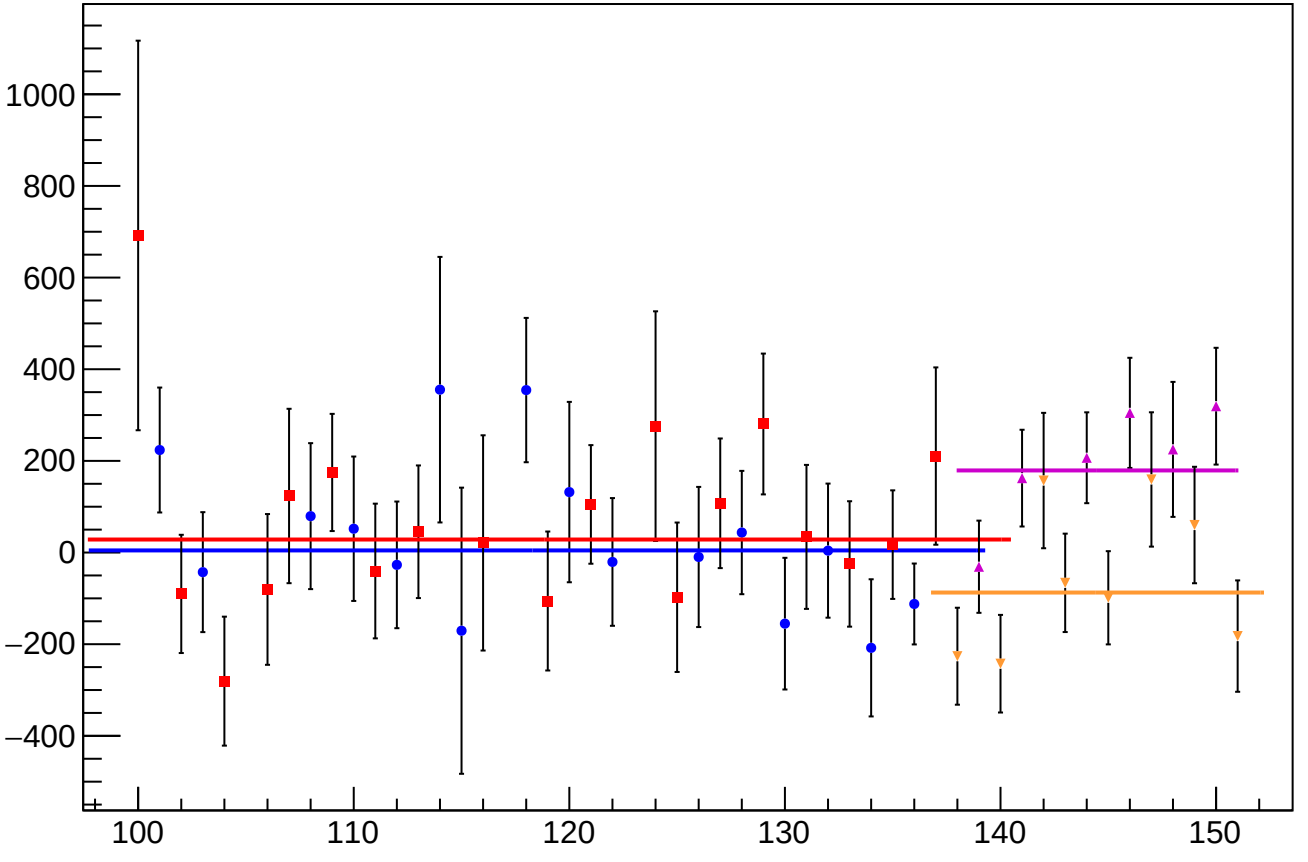
Left In: 646.600+/-0.203 χ^2/NDF:281648.3/5

+ sign 677.638+/-0.134 χ^2/NDF: 1012452.2/23

All: 671.777+/-0.095 χ^2/NDF: 2083327.7/48

- sign 665.765+/-0.135 χ^2/NDF: 1066983.6/24

eigen_dit_asym_sam_15_dd_mean vs Slug



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -87.285+/-41.419 χ^2/NDF:11.4/7

Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

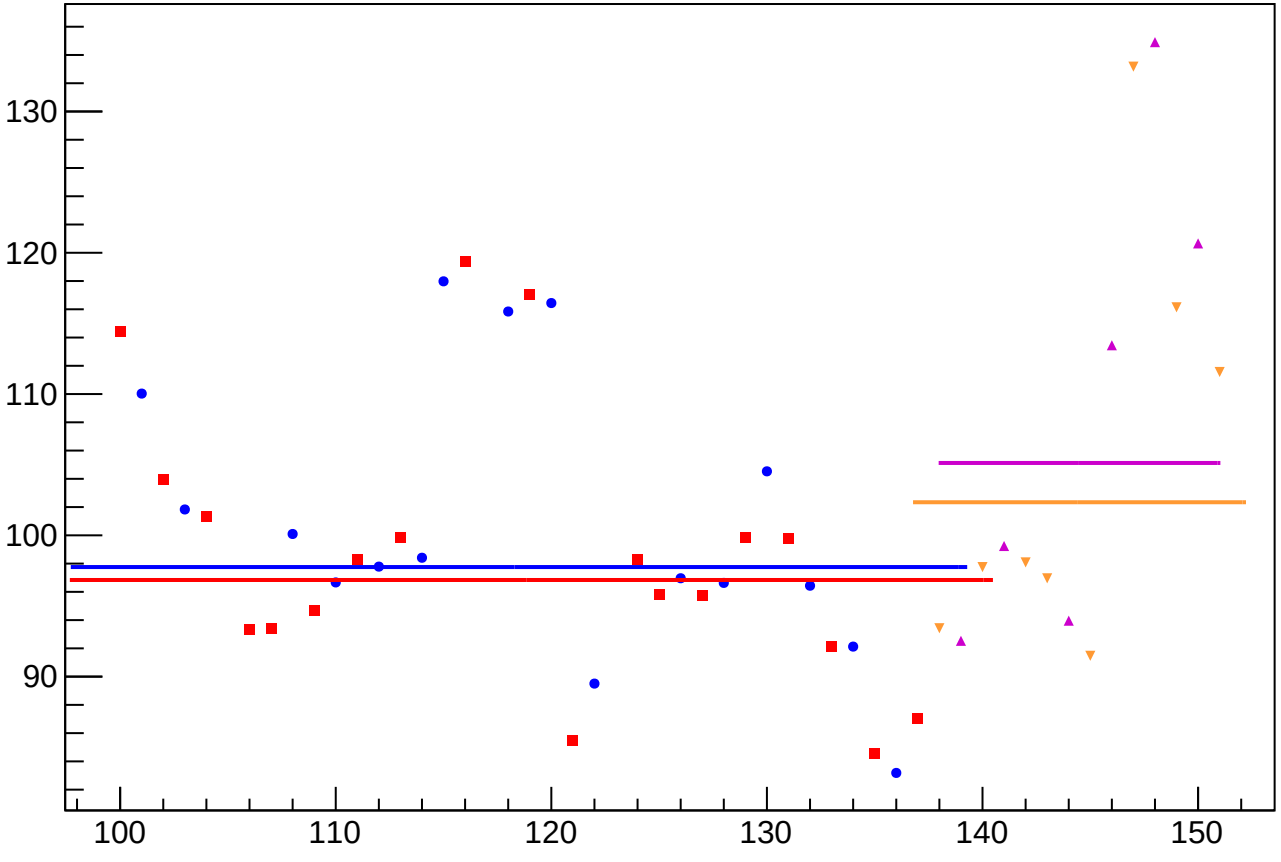
Left In: 179.150+/-46.260 χ^2/NDF:6.9/5

+ sign -35.565+/-27.388 χ^2/NDF: 29.5/23

All: 22.688+/-19.629 χ^2/NDF: 69.5/48

- sign 84.208+/-28.145 χ^2/NDF: 30.7/24

eigen_dit_asym_sam_15_dd_rms vs Slug



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 102.342+/-0.029 χ^2/NDF:171027.7/7

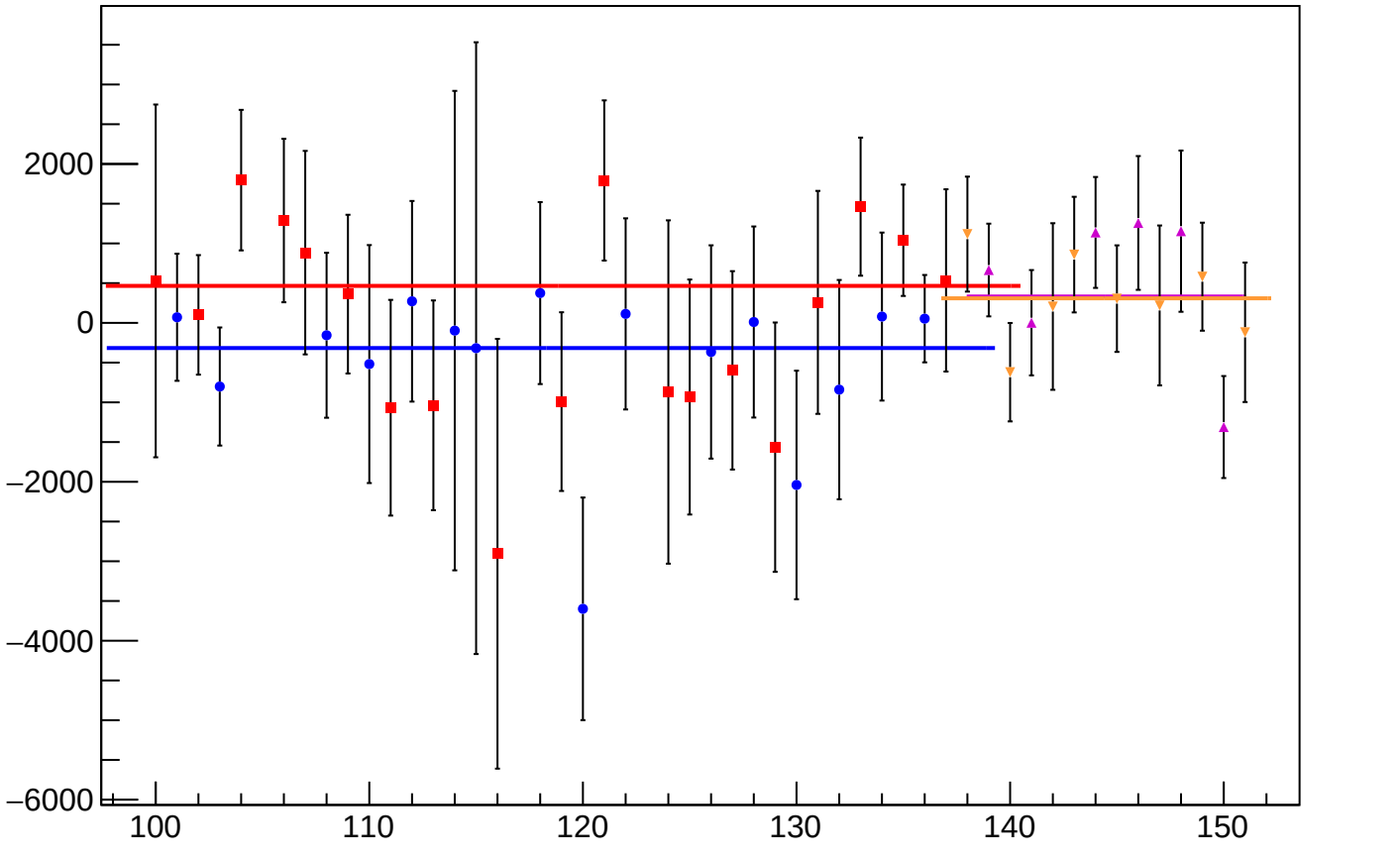
Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 105.123+/-0.033 χ^2/NDF:184045.1/5

+ sign 99.761+/-0.019 χ^2/NDF: 325483.7/23

All: 99.831+/-0.014 χ^2/NDF: 665117.2/48

- sign 99.906+/-0.020 χ^2/NDF: 339606.4/24



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 309.246+/-267.351 χ^2/NDF:4.5/7

Right Out: 465.576+/-256.645 χ^2/NDF: 16.5/18

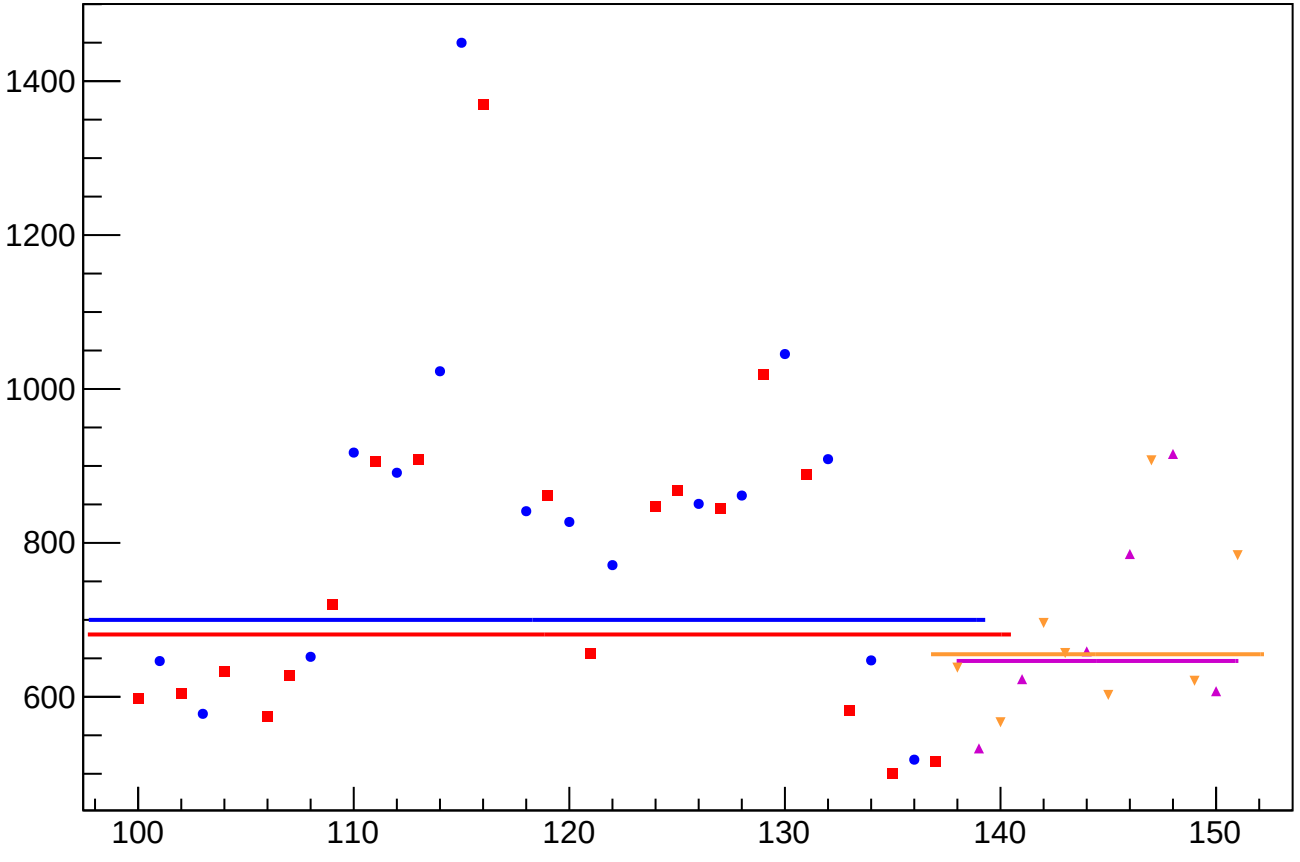
Left In: 332.009+/-287.699 χ^2/NDF:10.3/5

+ sign -3.471+/-189.104 χ^2/NDF: 16.4/23

All: 198.860+/-134.562 χ^2/NDF: 45.6/48

- sign 406.387+/-191.517 χ^2/NDF: 26.9/24

asym_sam_15_dd_eigen_dit_correction_rms vs Slug



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 655.332+/-0.189 χ^2/NDF:230921.0/7

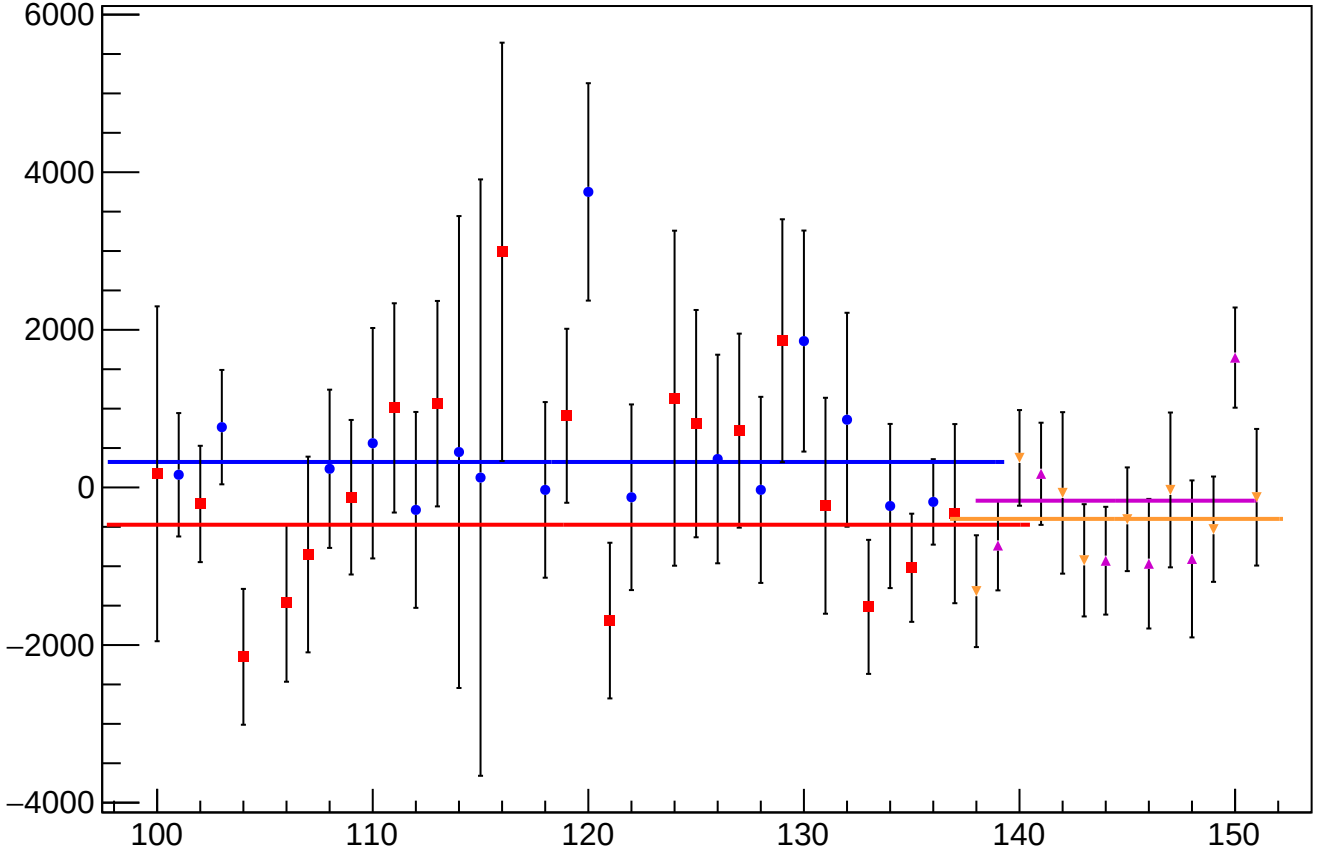
Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

Left In: 646.601+/-0.203 χ^2/NDF:281648.1/5

+ sign 677.638+/-0.134 χ^2/NDF: 1012451.4/23

All: 671.777+/-0.095 χ^2/NDF: 2083327.6/48

- sign 665.765+/-0.135 χ^2/NDF: 1066984.1/24



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -399.079+/-262.248 χ^2/NDF:4.2/7

Right Out: -473.233+/-251.330 χ^2/NDF: 19.4/18

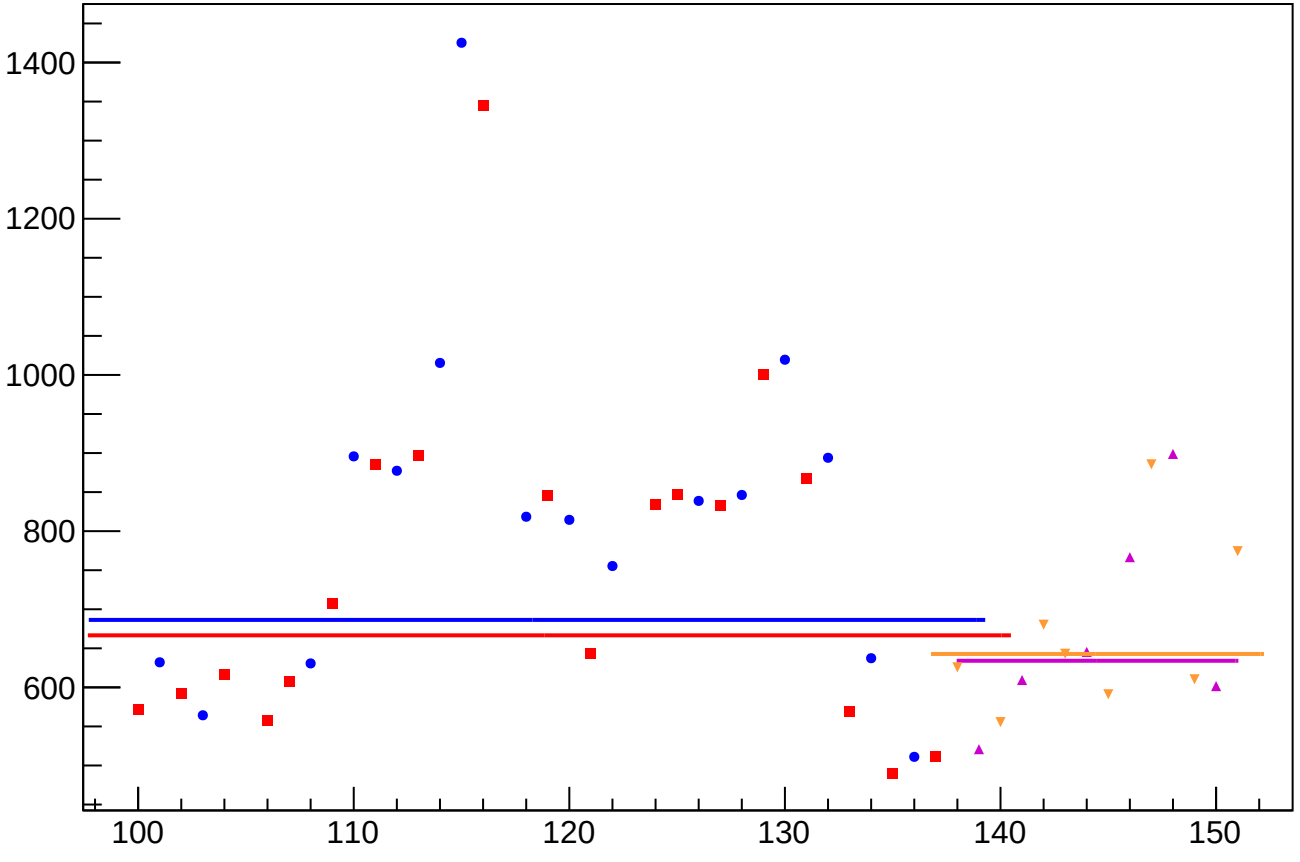
Left In: -168.224+/-282.181 χ^2/NDF:12.2/5

+ sign -38.057+/-185.467 χ^2/NDF: 17.7/23

All: -186.401+/-131.921 χ^2/NDF: 51.3/48

- sign -338.307+/-187.680 χ^2/NDF: 32.2/24

asym_sam_15_dd_rms vs Slug



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 642.787+/-0.185 χ^2/NDF:230420.4/7

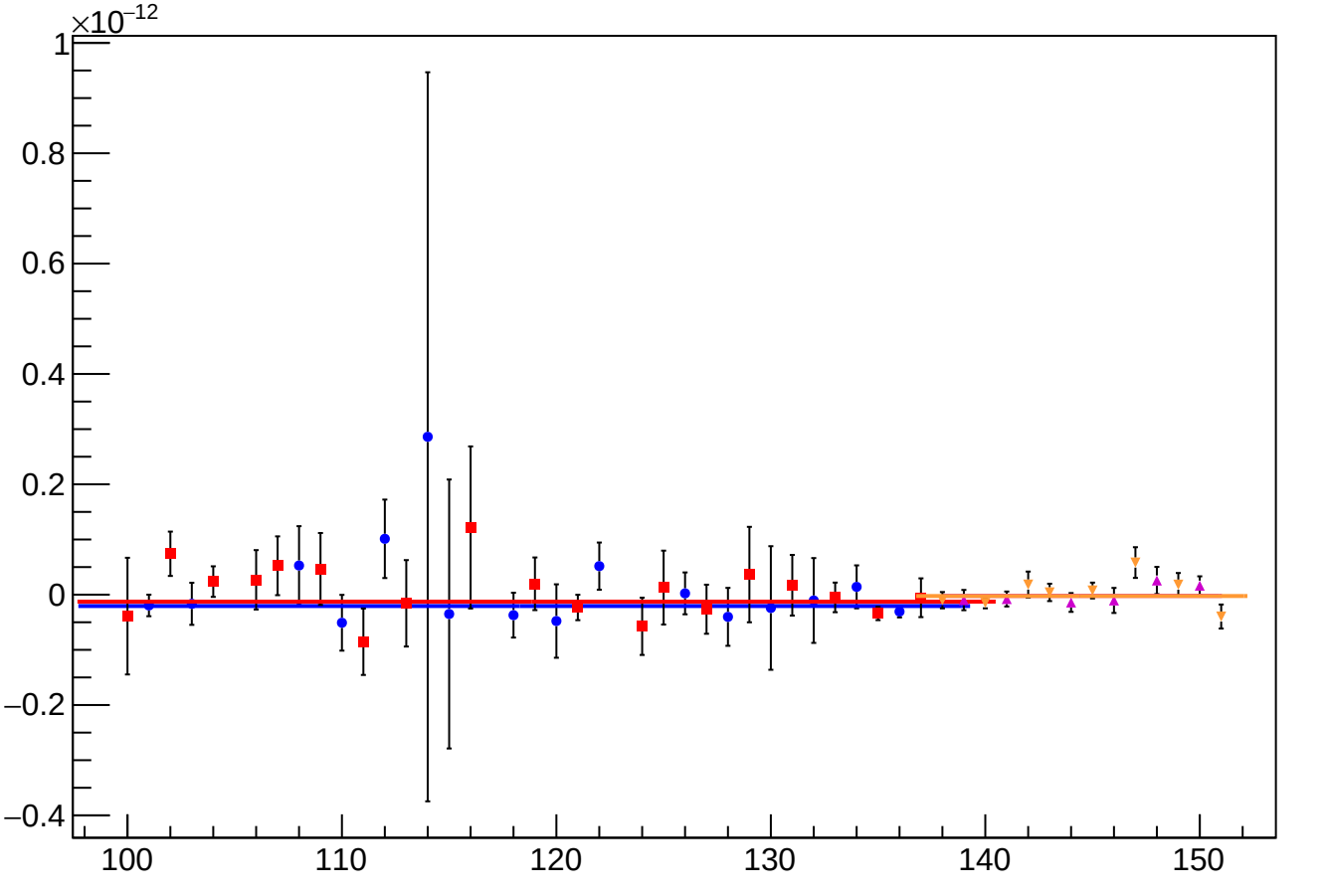
Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 634.082+/-0.200 χ^2/NDF:280968.2/5

\+ sign 664.584+/-0.131 χ^2/NDF: 1007515.7/23

All: 658.482+/-0.093 χ^2/NDF: 2084740.0/48

\- sign 652.235+/-0.133 χ^2/NDF: 1072843.4/24



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.8/7

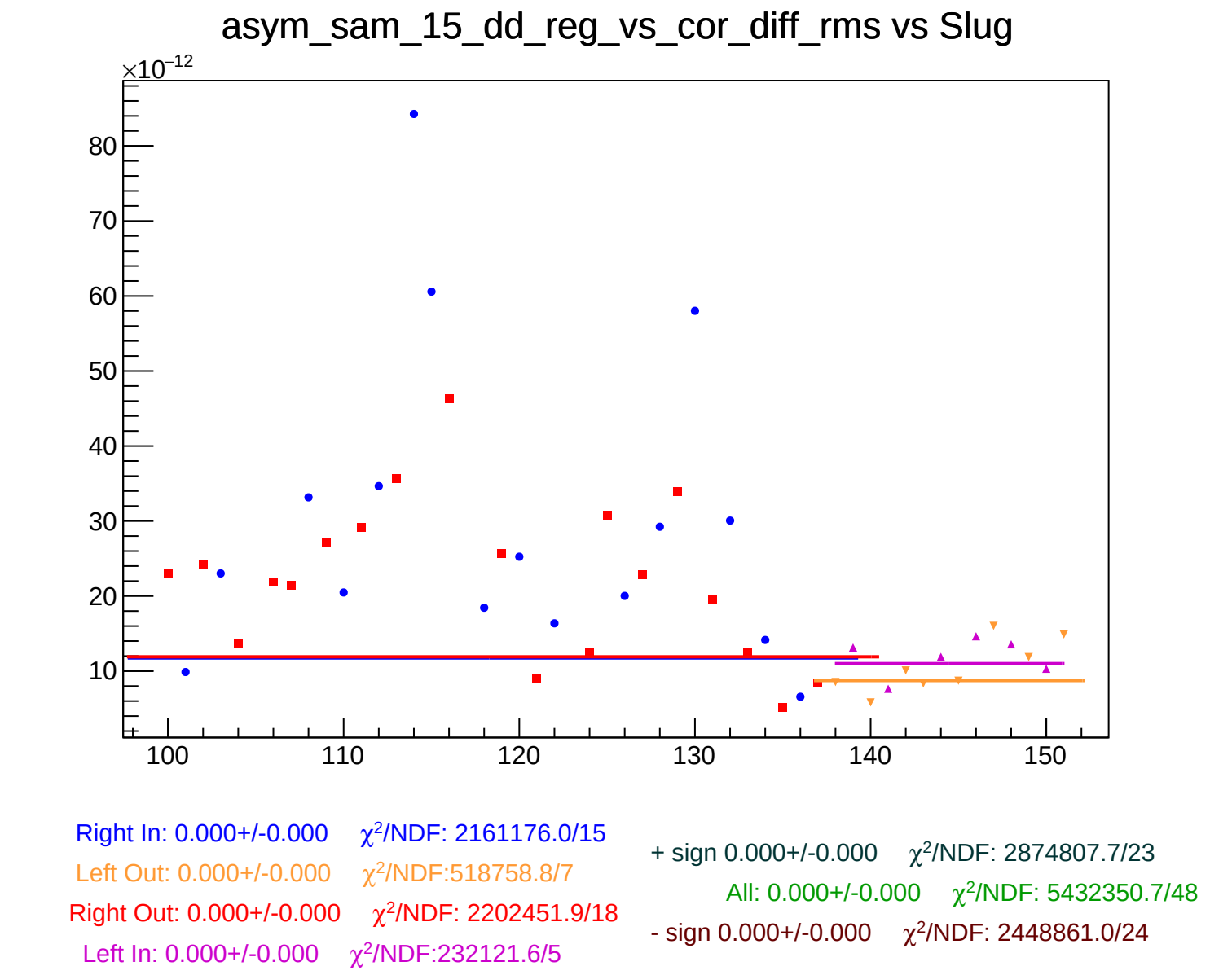
Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:3.5/5

+ sign -0.000+/-0.000 χ^2/NDF: 25.4/23

All: -0.000+/-0.000 χ^2/NDF: 46.9/48

- sign -0.000+/-0.000 χ^2/NDF: 21.5/24


asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug
×10^−12
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30
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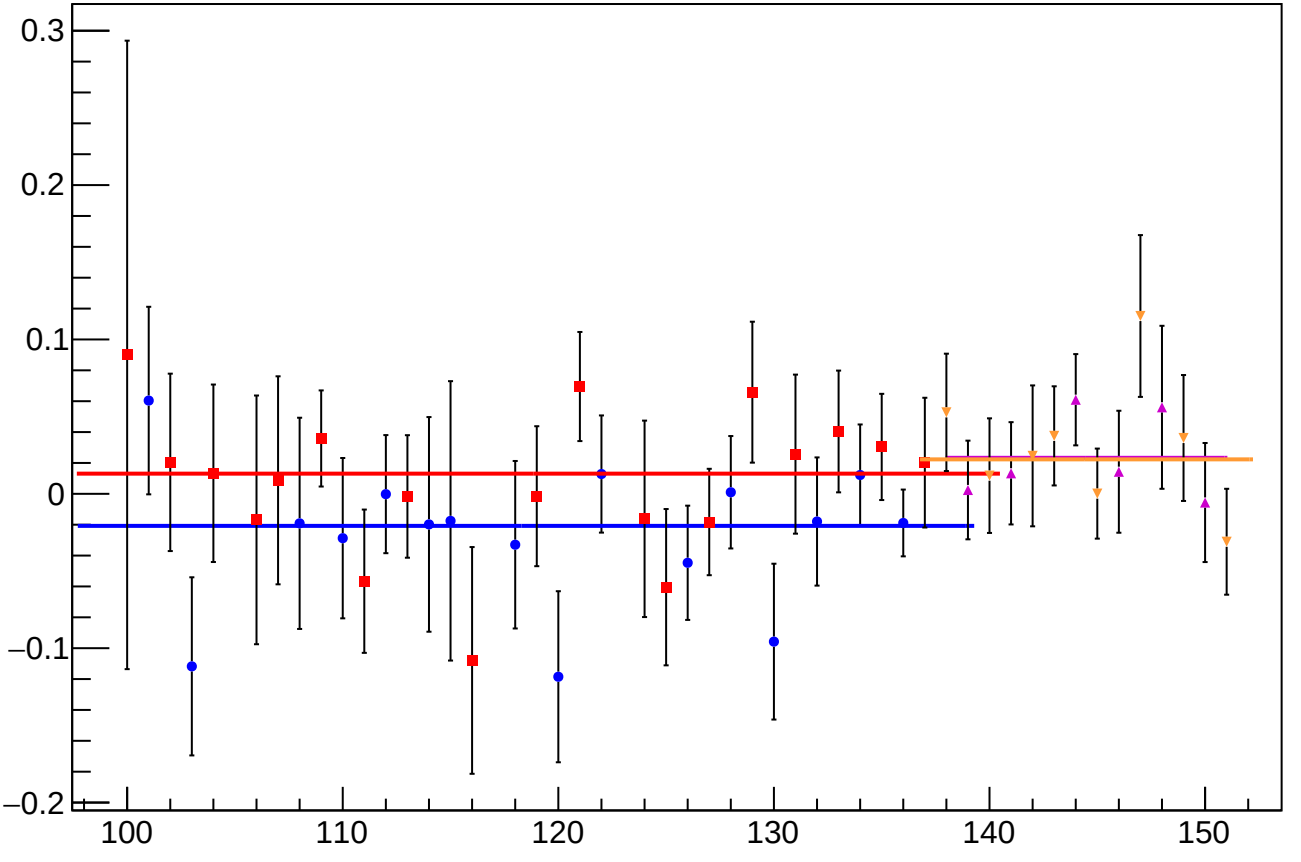
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2161176.0/15
Left Out: 0.000+/-0.000 χ²/NDF:518758.8/7
Right Out: 0.000+/-0.000 χ²/NDF: 2202451.9/18
Left In: 0.000+/-0.000 χ²/NDF:232121.6/5
+ sign 0.000+/-0.000 χ²/NDF: 2874807.7/23
All: 0.000+/-0.000 χ²/NDF: 5432350.7/48
- sign 0.000+/-0.000 χ²/NDF: 2448861.0/24

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: 0.022+/-0.013 χ^2/NDF:7.2/7

Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

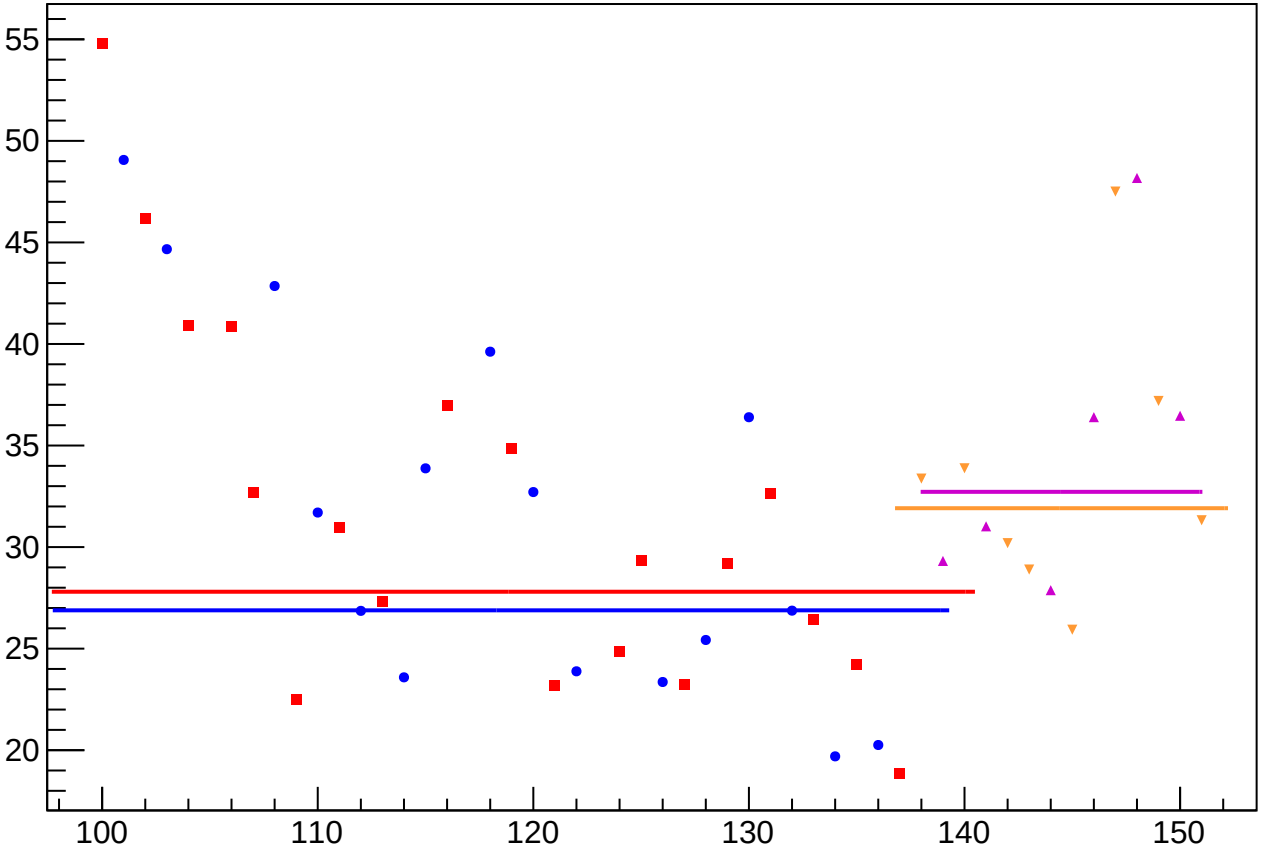
Left In: 0.023+/-0.015 χ^2/NDF:3.1/5

+ sign -0.004+/-0.008 χ^2/NDF: 26.3/23

All: 0.006+/-0.006 χ^2/NDF: 46.7/48

- sign 0.017+/-0.009 χ^2/NDF: 17.4/24

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: 31.914+/-0.009 χ^2/NDF:324269.9/7

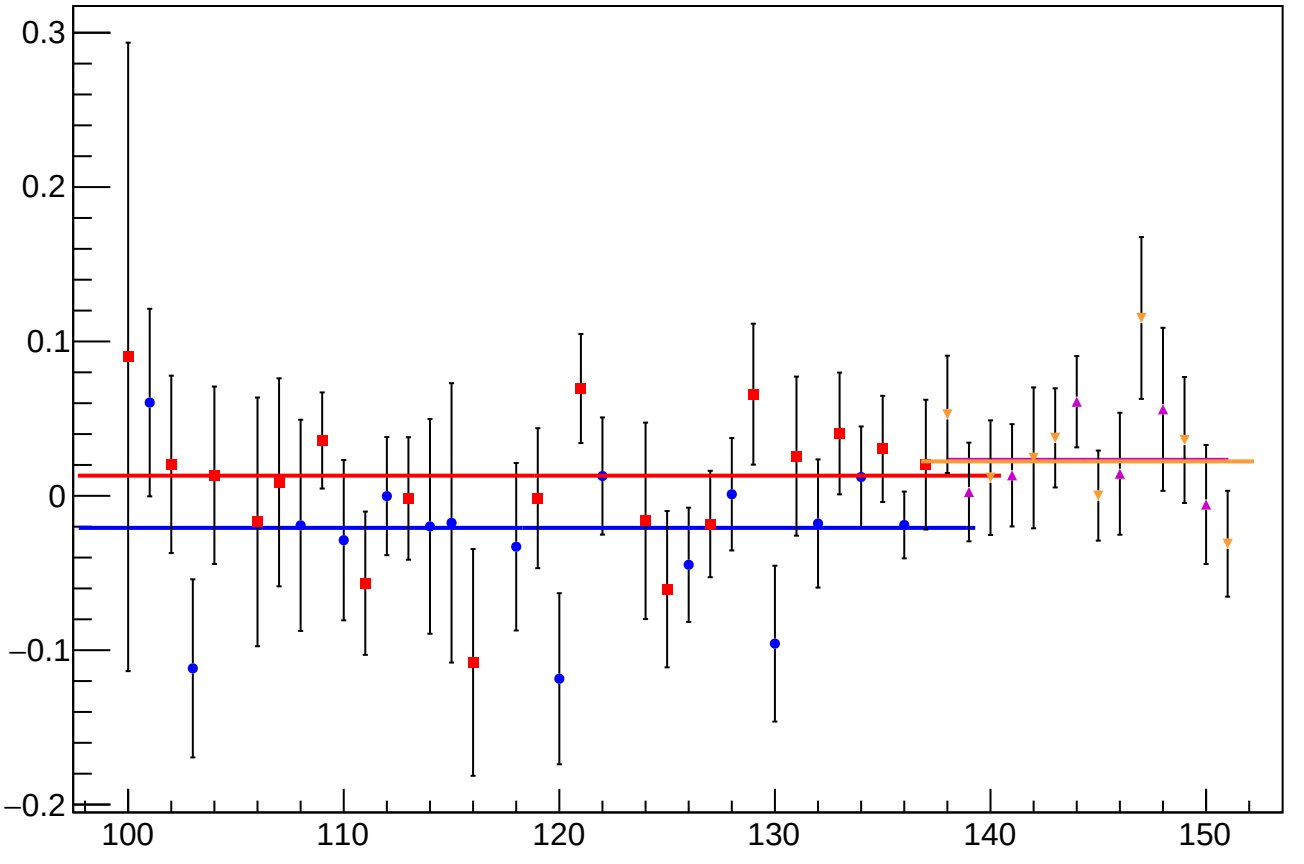
Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 32.720+/-0.010 χ^2/NDF:289125.6/5

+ sign 28.861+/-0.006 χ^2/NDF: 1624646.5/23

All: 29.163+/-0.004 χ^2/NDF: 2832050.3/48

- sign 29.491+/-0.006 χ^2/NDF: 1201737.3/24



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.022+/-0.013 χ^2/NDF:7.2/7

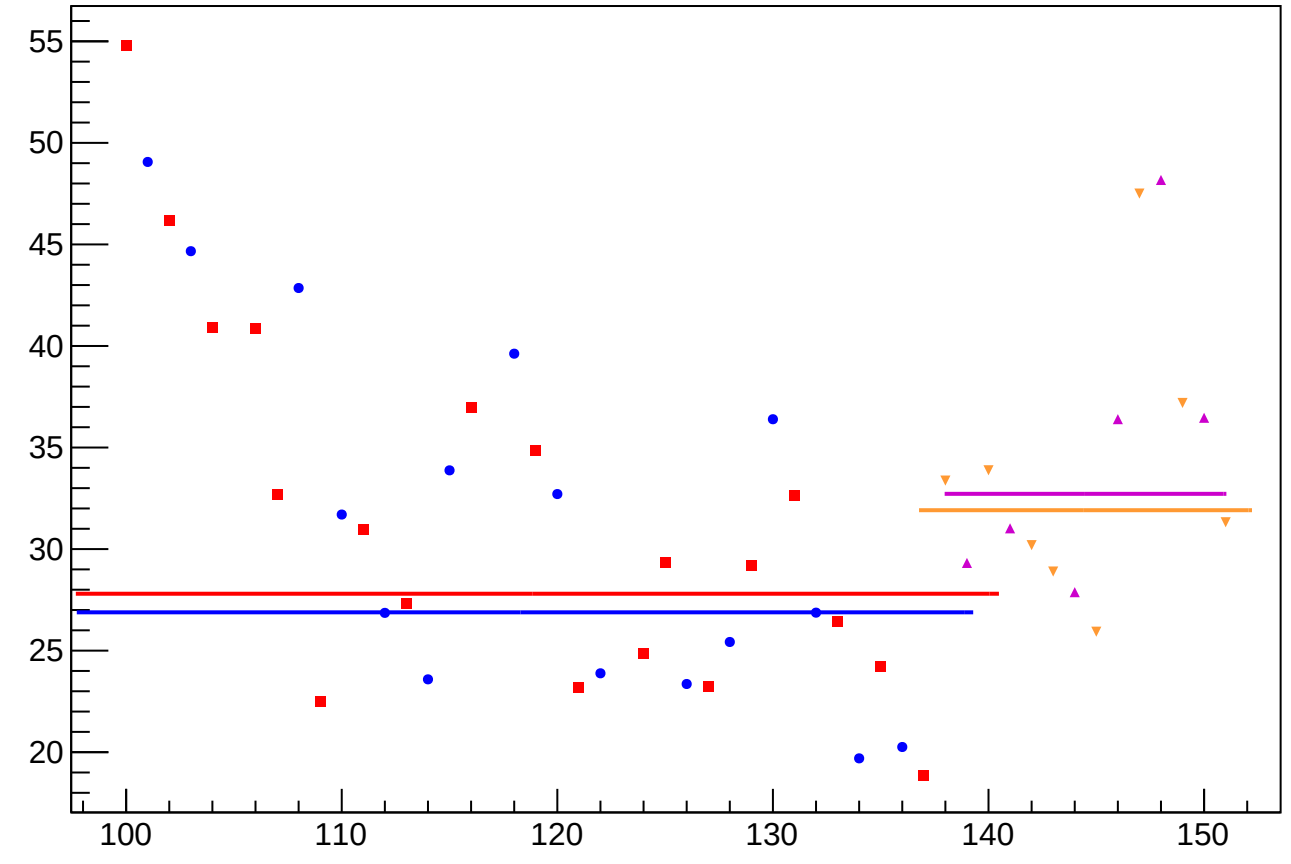
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.023+/-0.015 χ^2/NDF:3.1/5

+ sign -0.004+/-0.008 χ^2/NDF: 26.3/23

All: 0.006+/-0.006 χ^2/NDF: 46.7/48

- sign 0.017+/-0.009 χ^2/NDF: 17.4/24



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 31.914+/-0.009 χ^2/NDF:324269.9/7

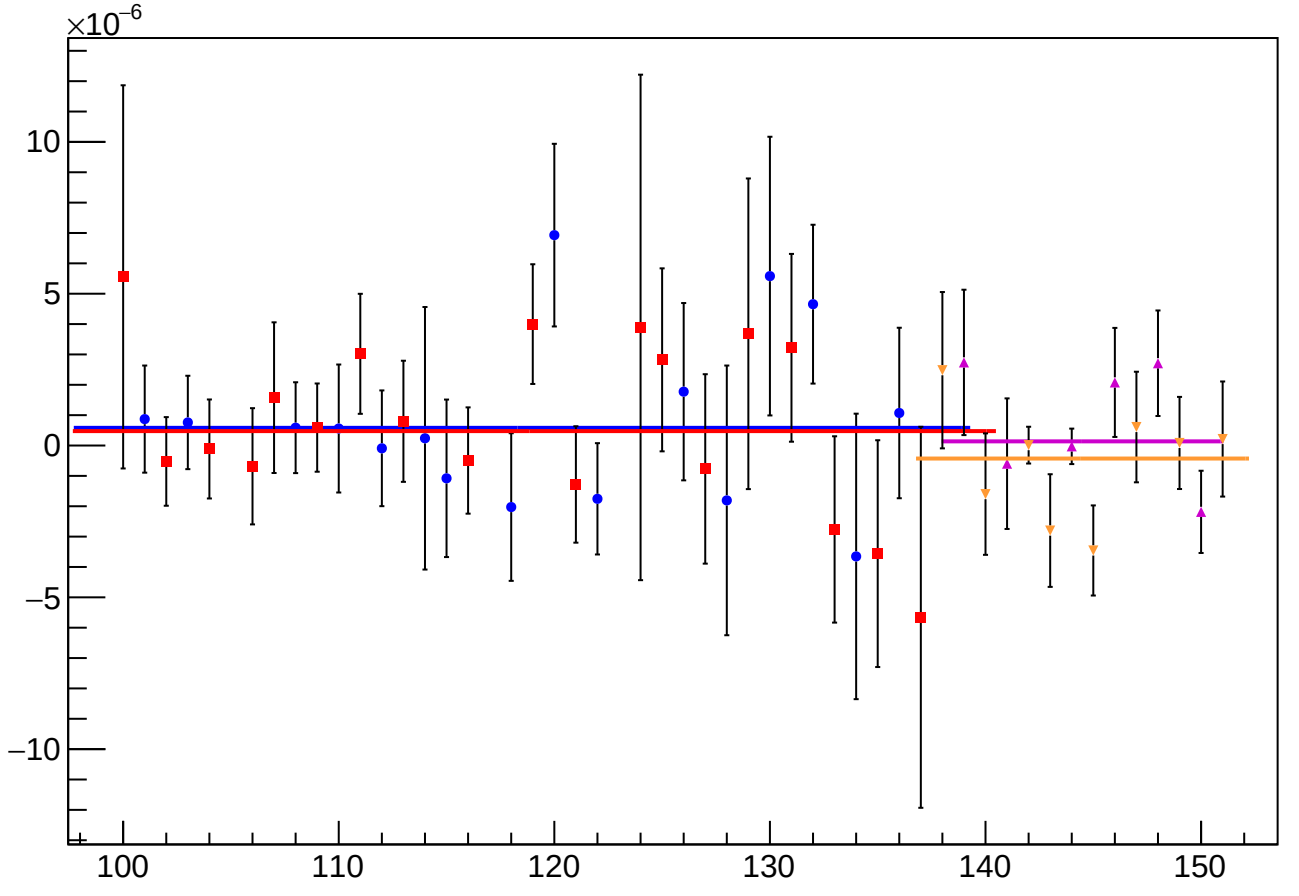
Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 32.720+/-0.010 χ^2/NDF:289125.6/5

+ sign 28.861+/-0.006 χ^2/NDF: 1624646.5/23

All: 29.163+/-0.004 χ^2/NDF: 2832050.3/48

- sign 29.491+/-0.006 χ^2/NDF: 1201737.3/24



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.5/7

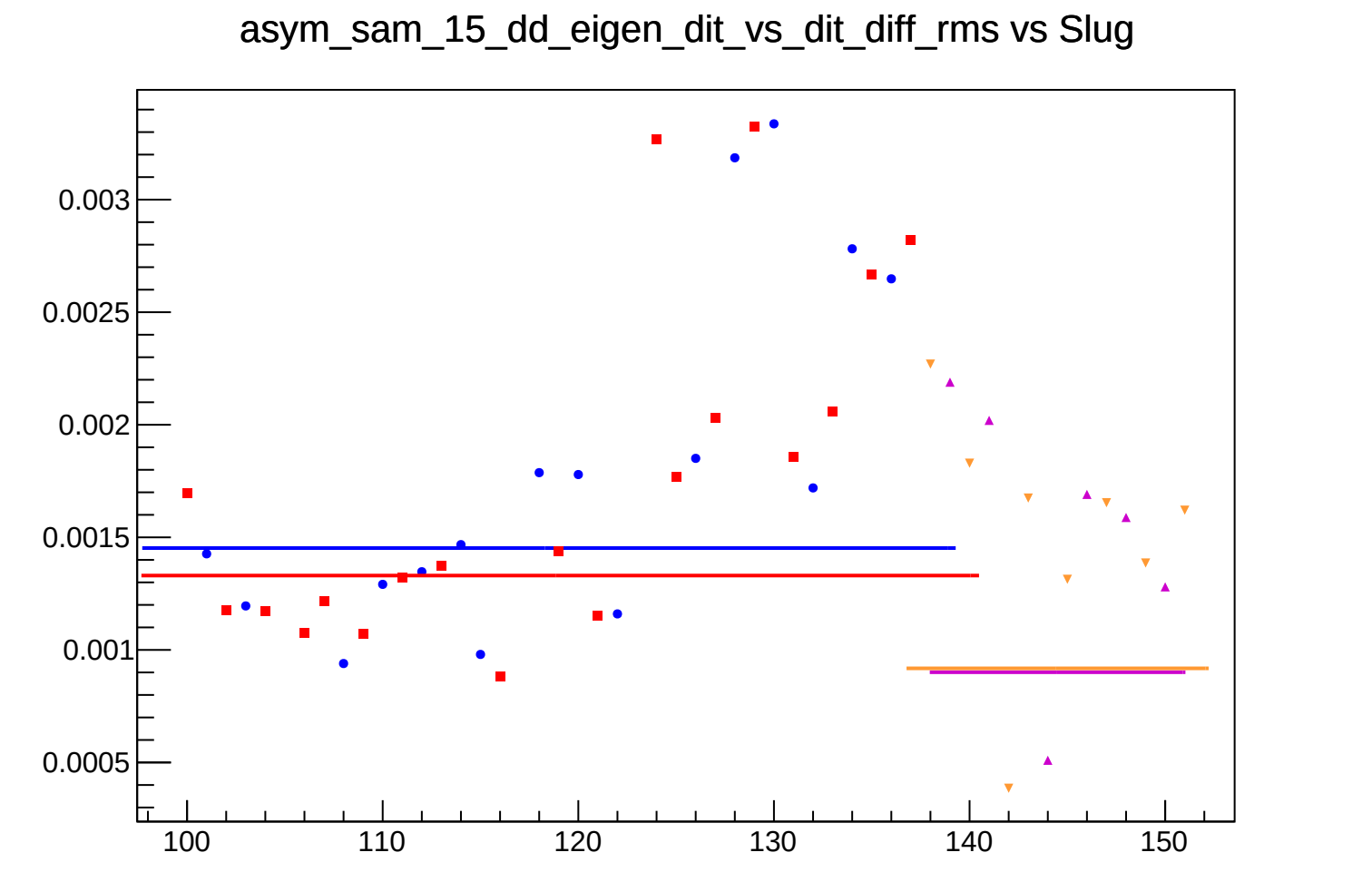
Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/18

Left In: 0.000+/-0.000 χ^2/NDF:7.7/5

+ sign -0.000+/-0.000 χ^2/NDF: 23.1/23

All: 0.000+/-0.000 χ^2/NDF: 44.7/48

- sign 0.000+/-0.000 χ^2/NDF: 21.1/24



Right In: 0.001+/-0.000 χ^2/NDF: 1710487.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:3778560.6/7

Right Out: 0.001+/-0.000 χ^2/NDF: 1402821.5/18

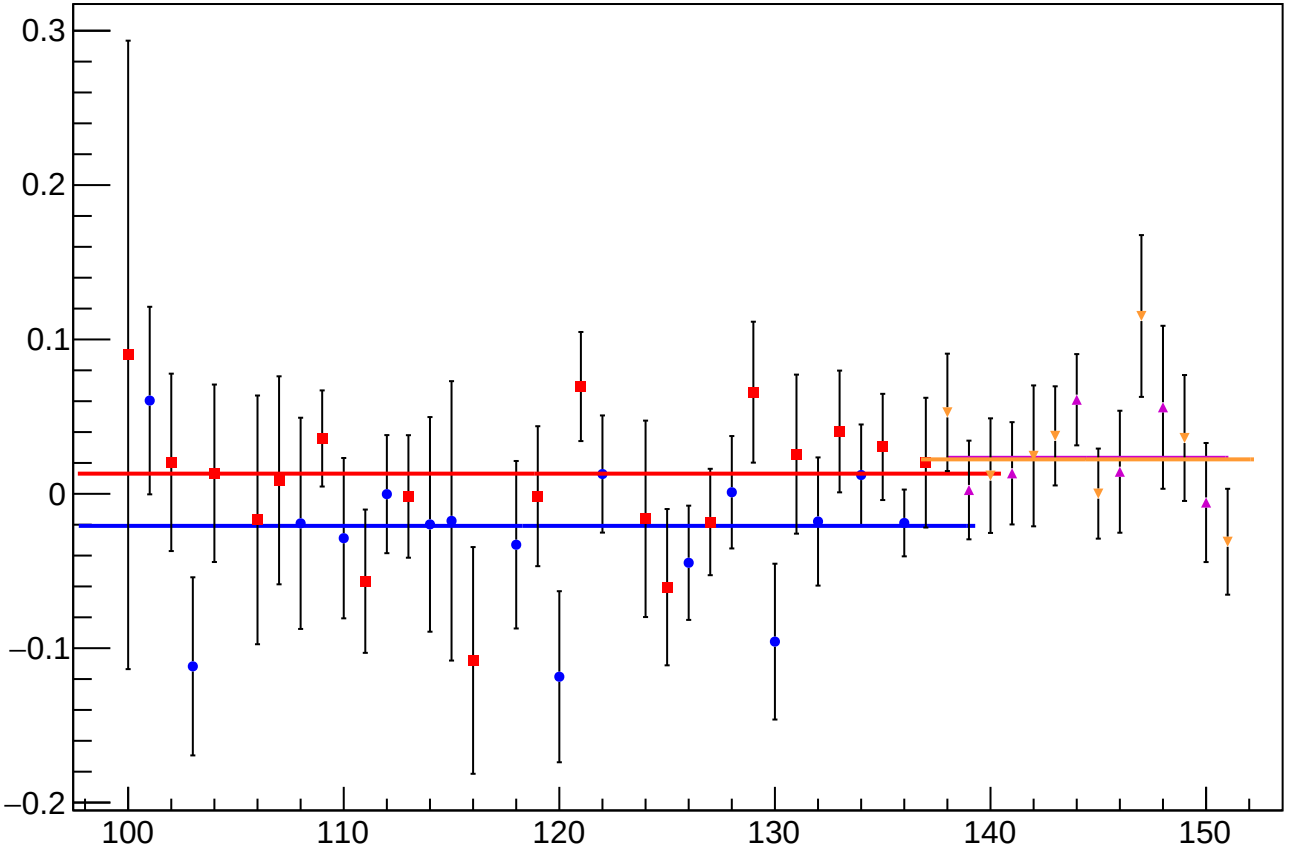
Left In: 0.001+/-0.000 χ^2/NDF:2873491.8/5

+ sign 0.001+/-0.000 χ^2/NDF: 6551156.1/23

All: 0.001+/-0.000 χ^2/NDF: 11584254.5/48

- sign 0.001+/-0.000 χ^2/NDF: 5027385.4/24

asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.022+/-0.013 χ^2/NDF:7.2/7

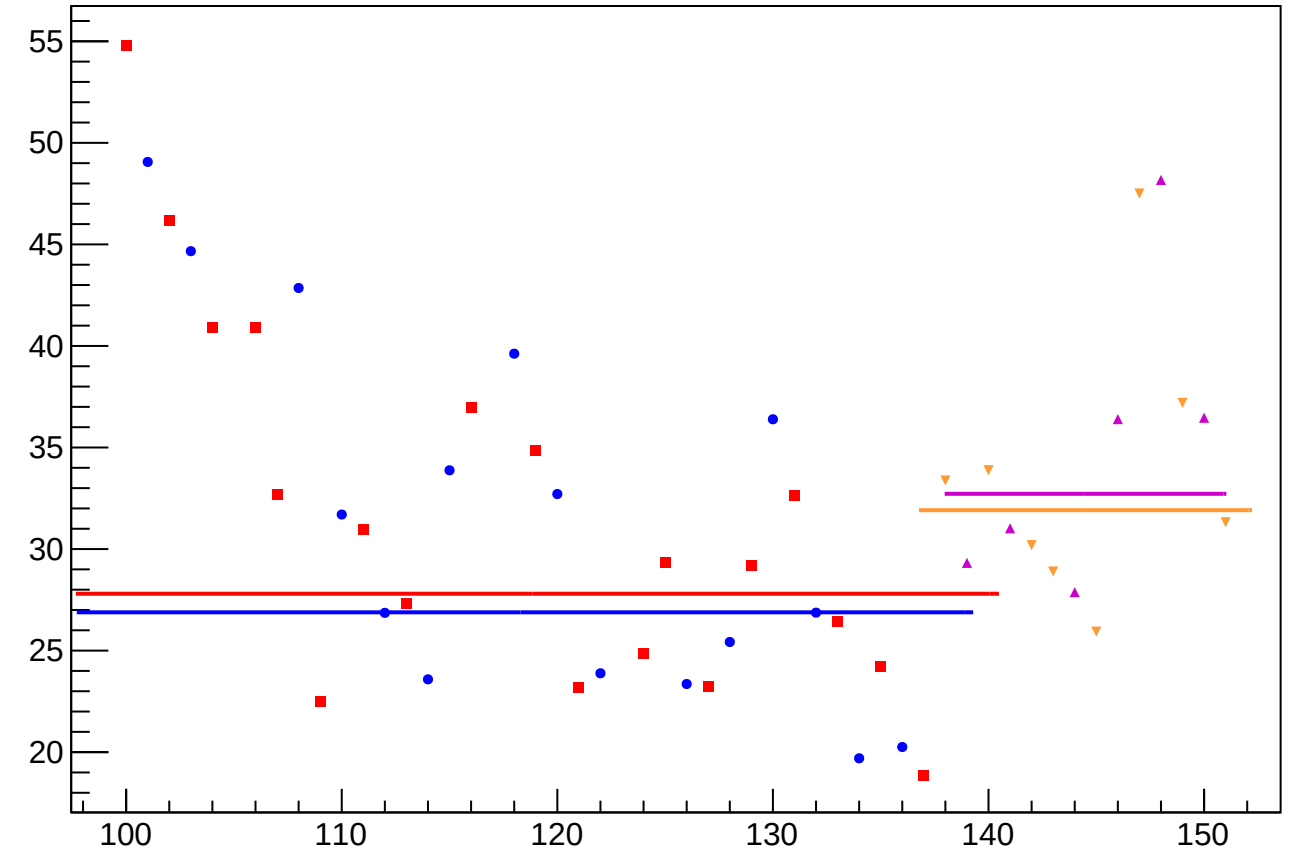
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.023+/-0.015 χ^2/NDF:3.1/5

+ sign -0.004+/-0.008 χ^2/NDF: 26.3/23

All: 0.006+/-0.006 χ^2/NDF: 46.7/48

- sign 0.017+/-0.009 χ^2/NDF: 17.4/24



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 31.914+/-0.009 χ^2/NDF:324322.0/7

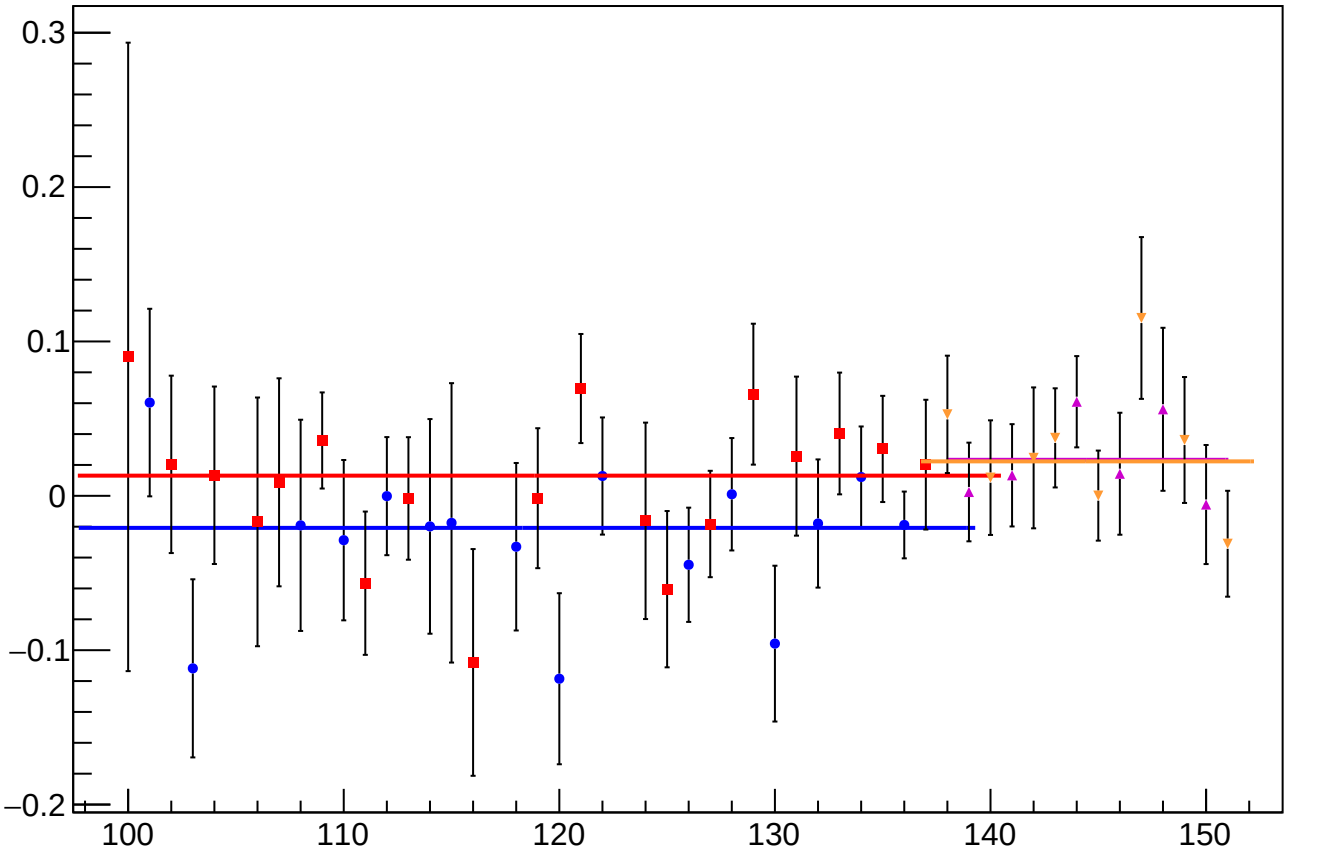
Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 32.721+/-0.010 χ^2/NDF:289131.3/5

+ sign 28.860+/-0.006 χ^2/NDF: 1624781.7/23

All: 29.162+/-0.004 χ^2/NDF: 2832420.6/48

- sign 29.490+/-0.006 χ^2/NDF: 1201976.0/24



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.022+/-0.013 χ^2/NDF:7.2/7

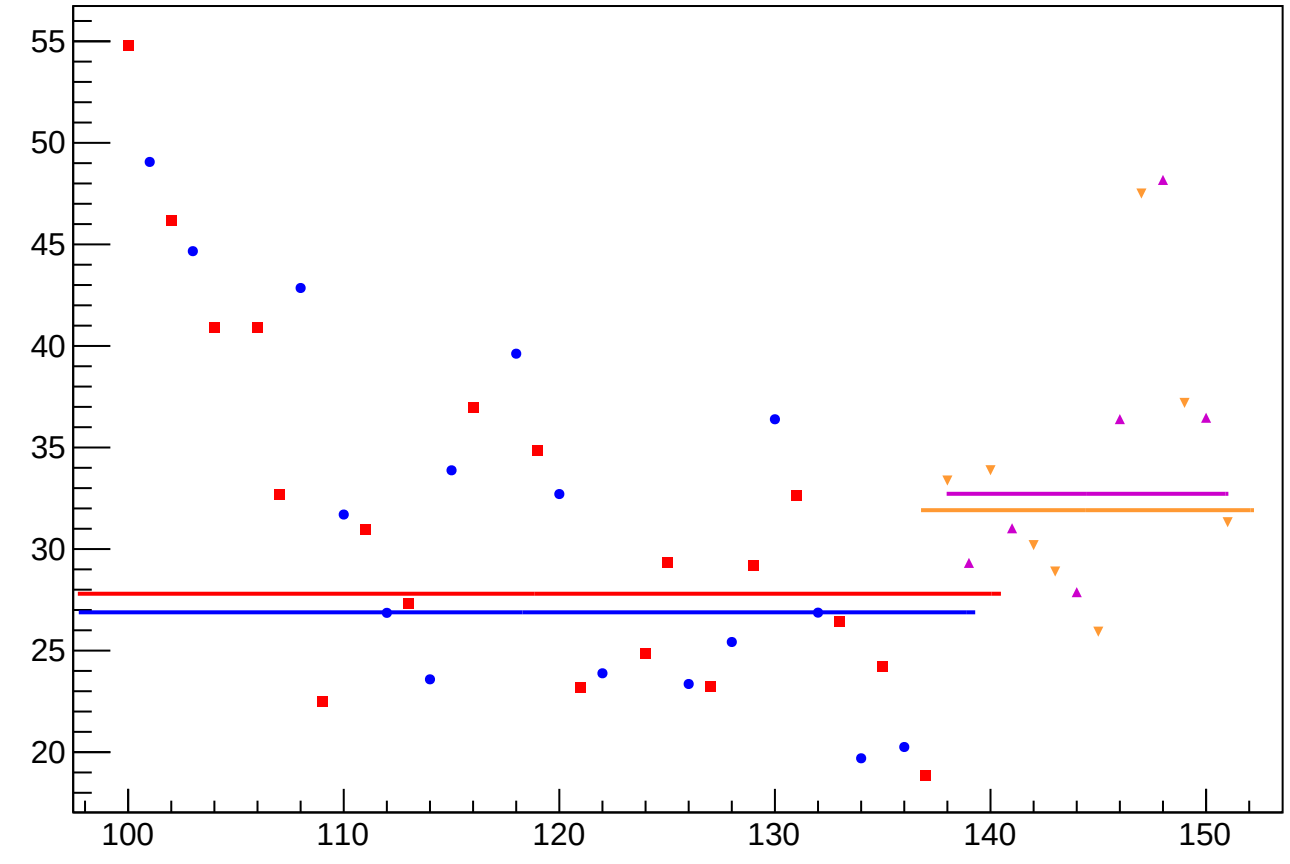
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.023+/-0.015 χ^2/NDF:3.1/5

\+ sign -0.004+/-0.008 χ^2/NDF: 26.3/23

All: 0.006+/-0.006 χ^2/NDF: 46.7/48

\- sign 0.017+/-0.009 χ^2/NDF: 17.4/24



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 31.914+/-0.009 χ^2/NDF:324322.0/7

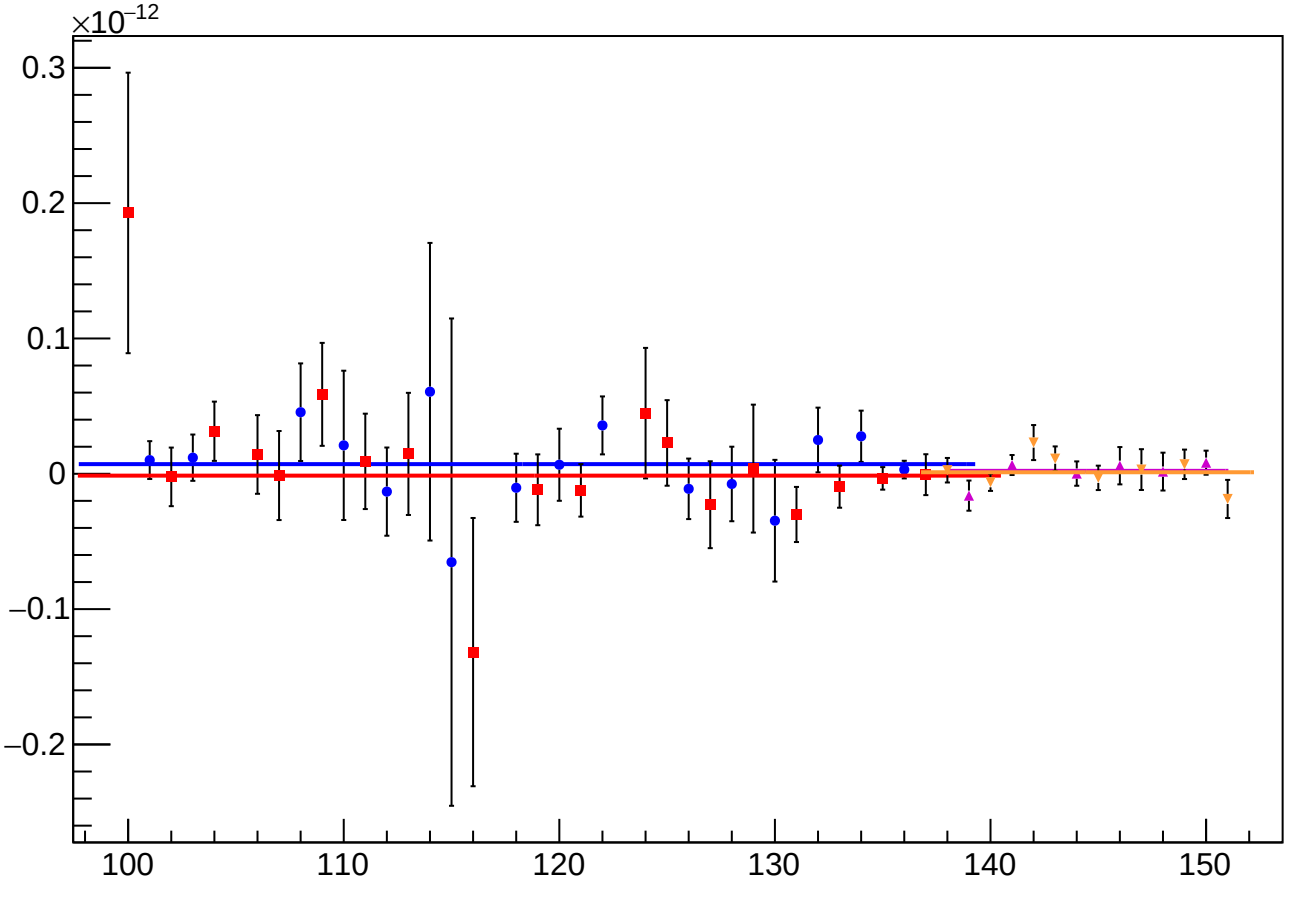
Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 32.721+/-0.010 χ^2/NDF:289131.3/5

+ sign 28.860+/-0.006 χ^2/NDF: 1624781.7/23

All: 29.162+/-0.004 χ^2/NDF: 2832420.6/48

- sign 29.490+/-0.006 χ^2/NDF: 1201976.0/24



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.9/7

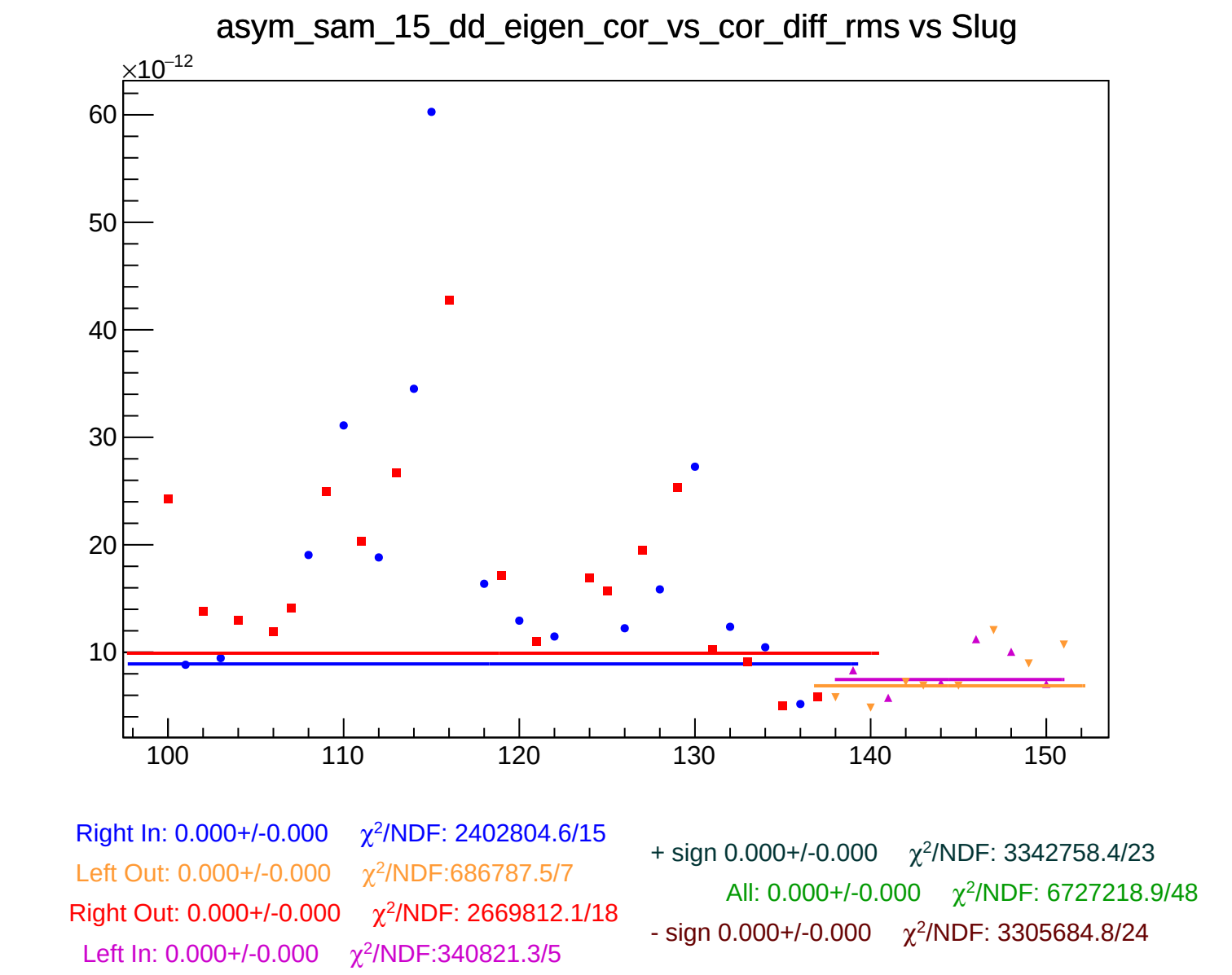
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3.6/5

+ sign 0.000+/-0.000 χ^2/NDF: 17.3/23

All: 0.000+/-0.000 χ^2/NDF: 36.9/48

- sign 0.000+/-0.000 χ^2/NDF: 19.2/24


asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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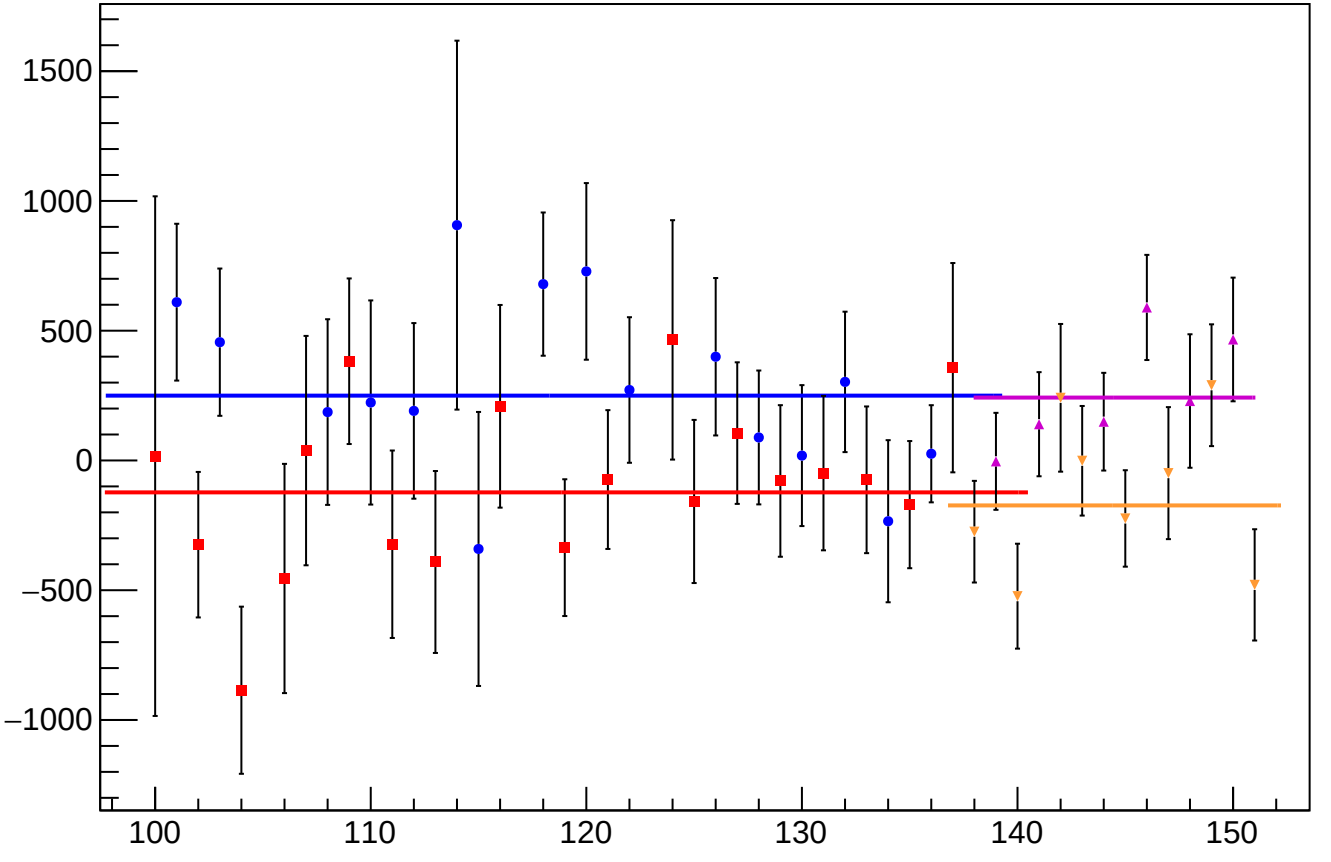
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2402804.6/15
Left Out: 0.000+/-0.000 χ²/NDF:686787.5/7
Right Out: 0.000+/-0.000 χ²/NDF: 2669812.1/18
Left In: 0.000+/-0.000 χ²/NDF:340821.3/5
+ sign 0.000+/-0.000 χ²/NDF: 3342758.4/23
All: 0.000+/-0.000 χ²/NDF: 6727218.9/48
- sign 0.000+/-0.000 χ²/NDF: 3305684.8/24

reg_asym_sam_26_dd_mean vs Slug



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -173.248+/-76.774 χ^2/NDF:12.3/7

Right Out: -122.993+/-74.370 χ^2/NDF: 15.6/18

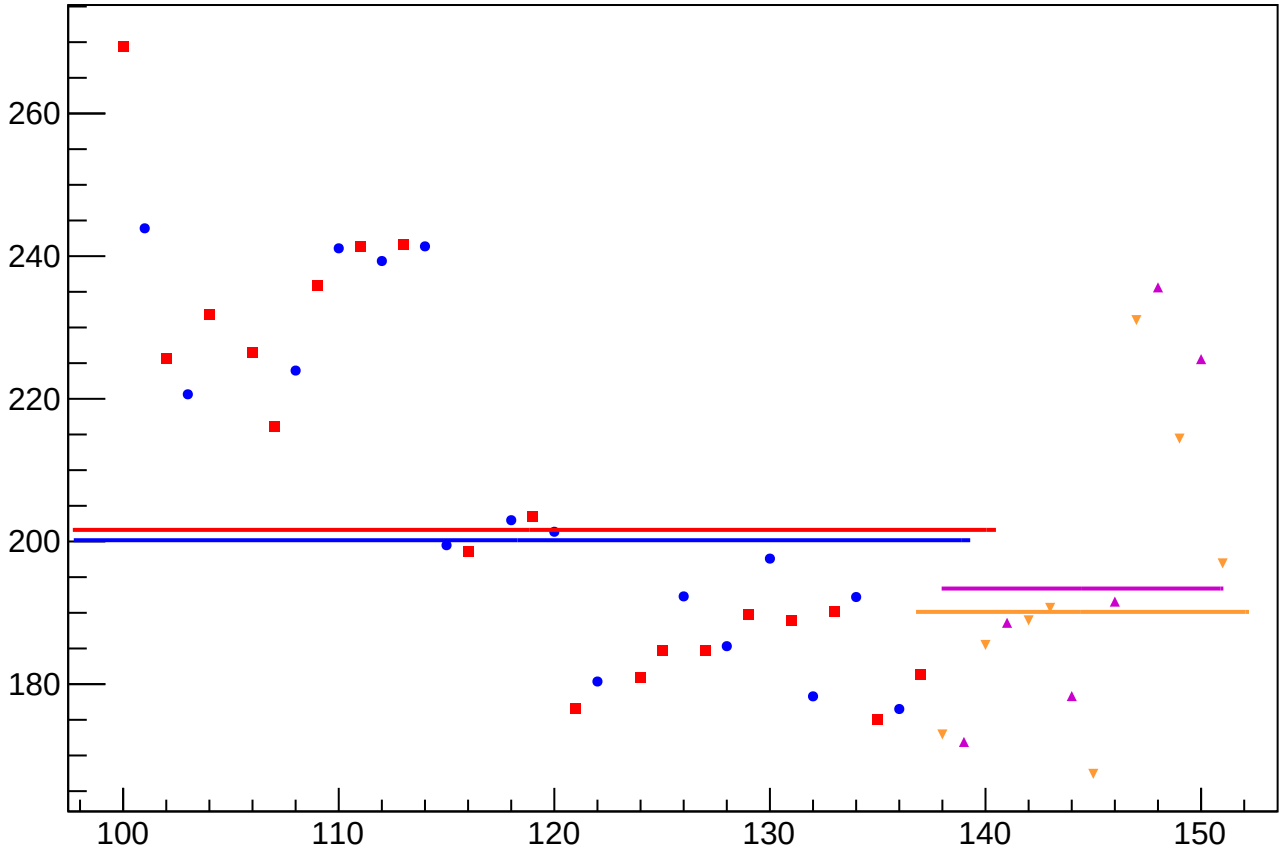
Left In: 242.266+/-84.878 χ^2/NDF:6.1/5

+ sign 43.546+/-53.604 χ^2/NDF: 41.6/23

All: 39.761+/-38.702 χ^2/NDF: 73.7/48

- sign 35.639+/-55.936 χ^2/NDF: 32.1/24

reg_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 190.130+/-0.054 χ^2/NDF:121530.0/7

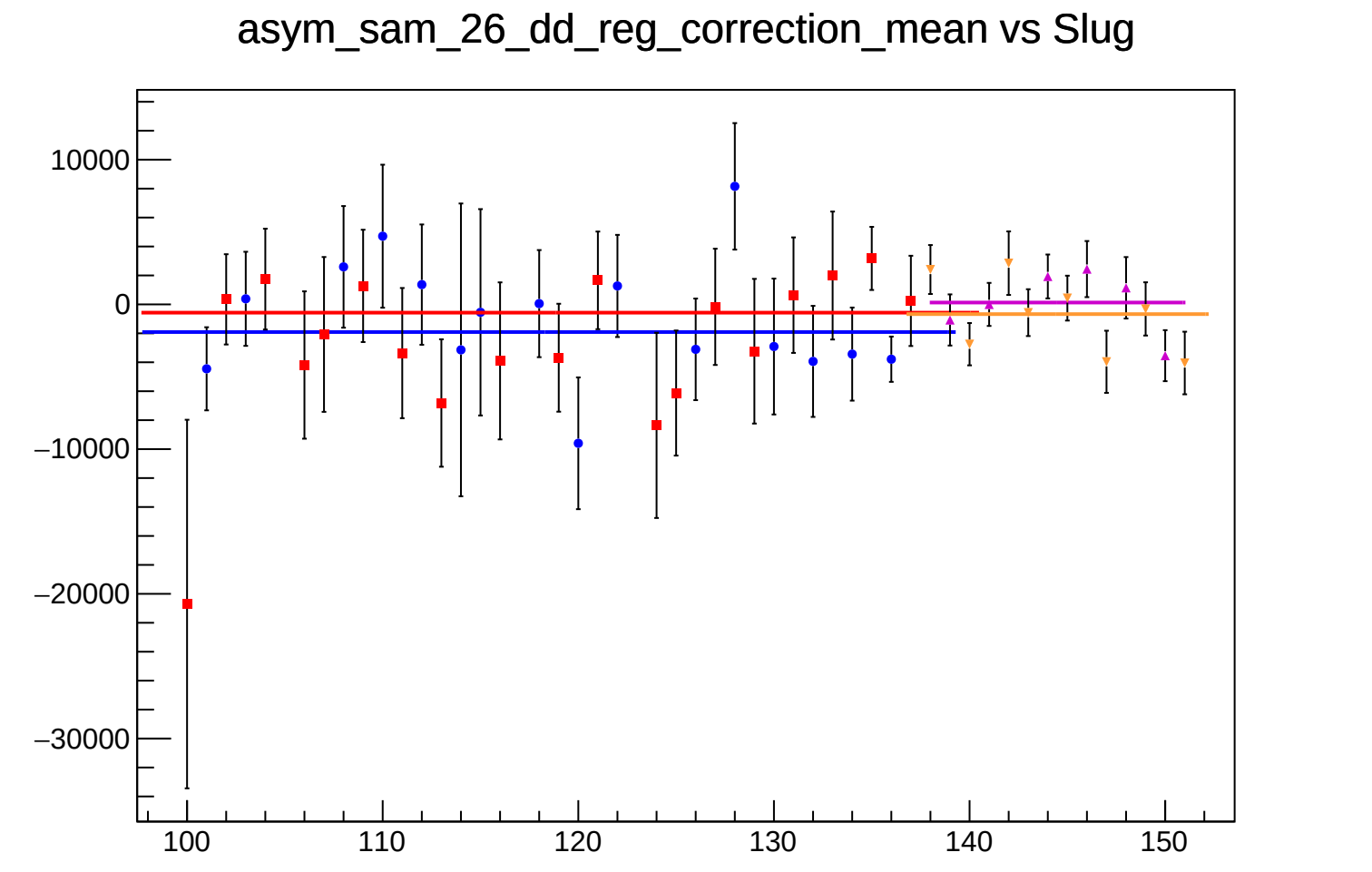
Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 193.403+/-0.060 χ^2/NDF:130961.1/5

+ sign 195.279+/-0.038 χ^2/NDF: 320083.7/23

All: 196.608+/-0.027 χ^2/NDF: 661480.9/48

- sign 198.055+/-0.040 χ^2/NDF: 338829.3/24



Right In: -1910.348+/-859.088 χ^2/NDF: 16.3/15

Left Out: -671.665+/-626.139 χ^2/NDF:13.3/7

Right Out: -570.946+/-900.451 χ^2/NDF: 14.6/18

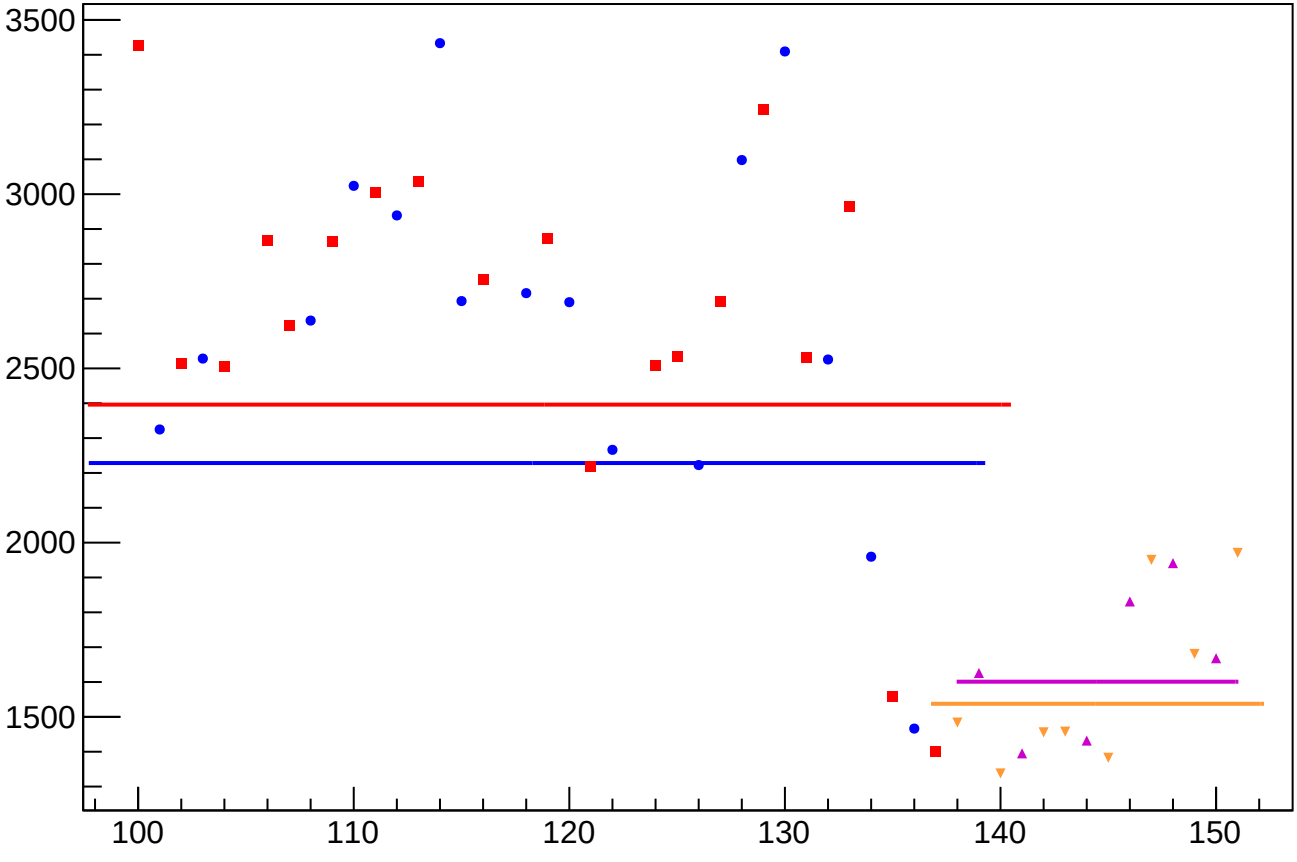
Left In: 128.194+/-703.956 χ^2/NDF:7.9/5

\+ sign -1101.391+/-506.003 χ^2/NDF: 30.9/23

All: -663.292+/-373.798 χ^2/NDF: 55.4/48

\- sign -137.016+/-554.592 χ^2/NDF: 22.9/24

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1537.540+/-0.443 χ^2/NDF:233468.4/7

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

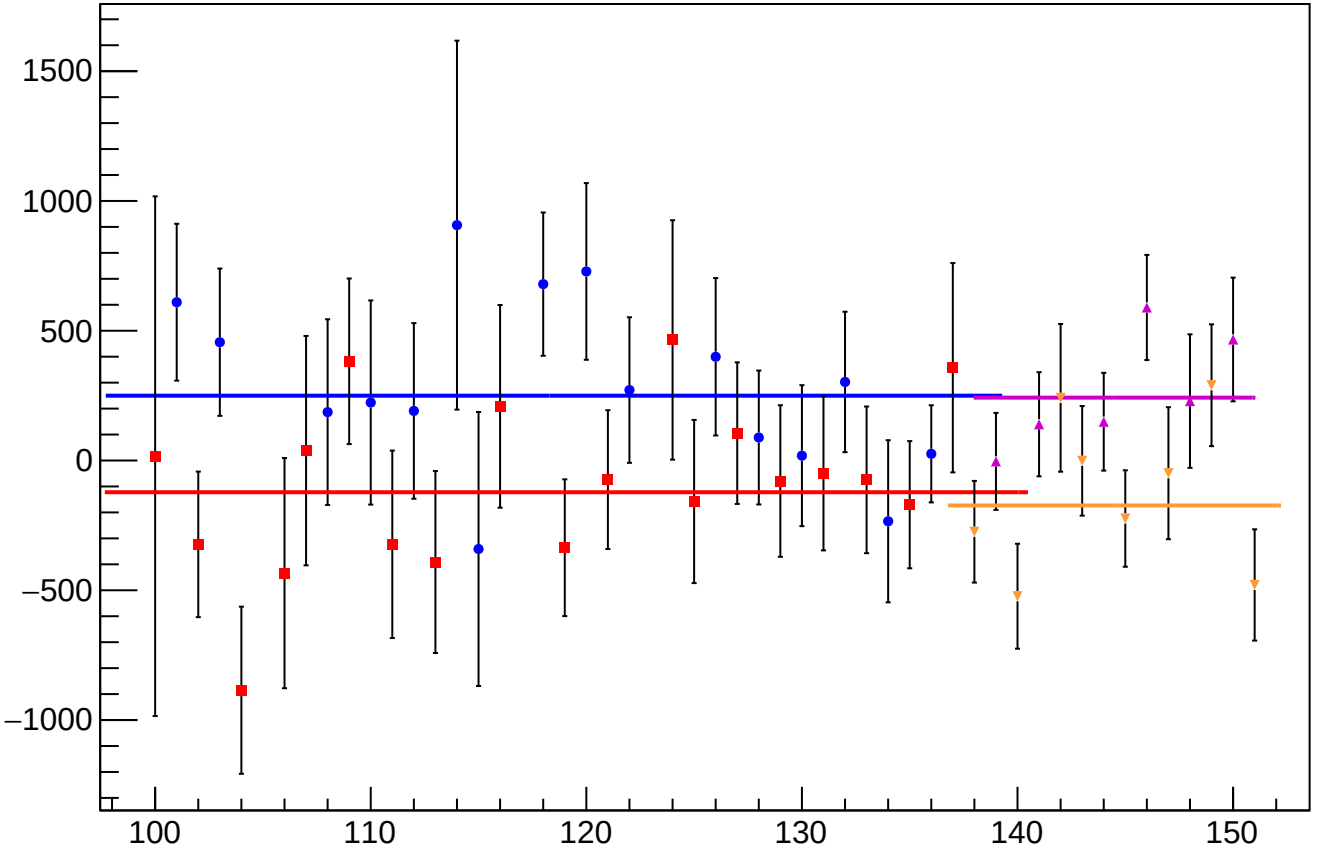
Left In: 1600.938+/-0.498 χ^2/NDF:146057.8/5

\+ sign 1777.225+/-0.358 χ^2/NDF: 2025896.1/23

All: 1834.165+/-0.264 χ^2/NDF: 3995096.3/48

\- sign 1902.566+/-0.392 χ^2/NDF: 1913451.6/24

cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -173.249+/-76.774 χ^2/NDF:12.3/7

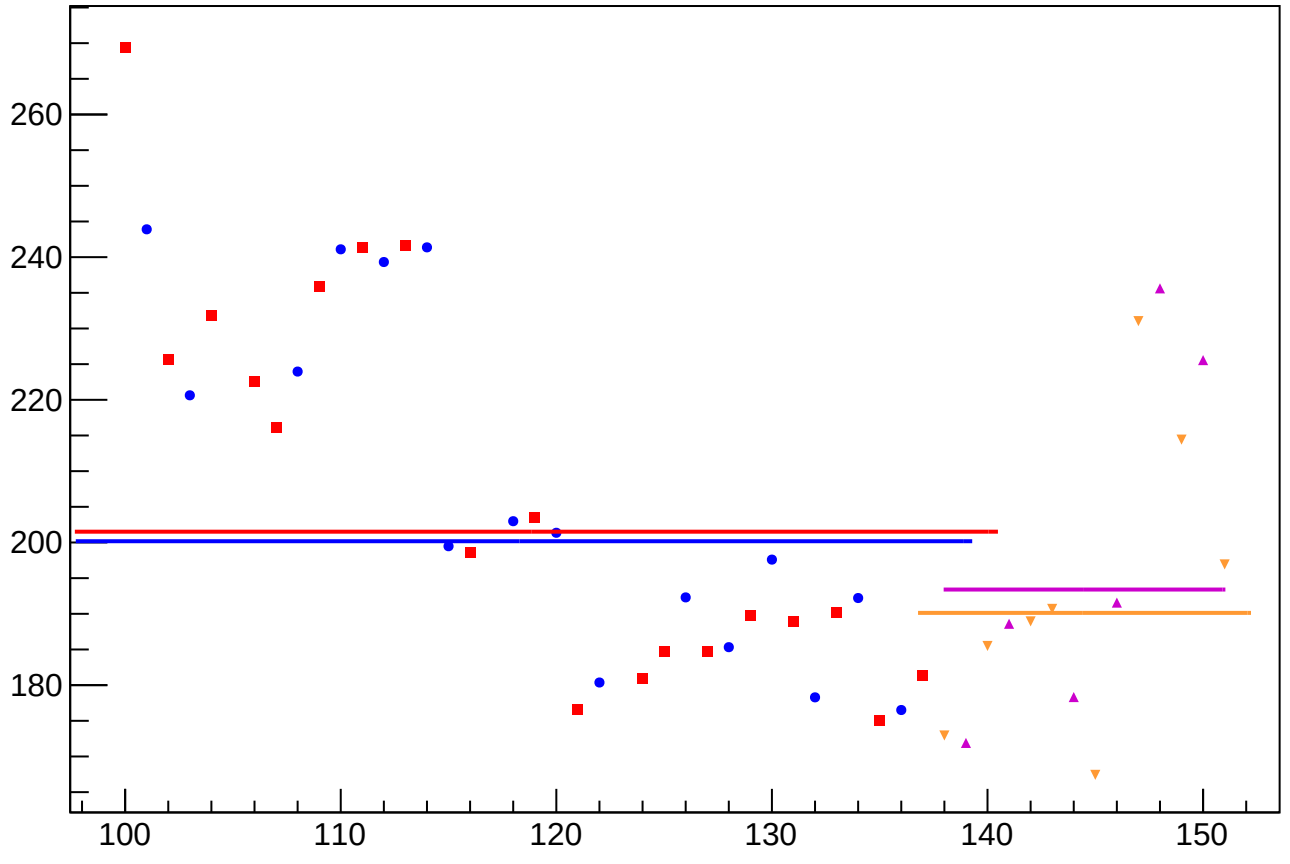
Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: 242.263+/-84.878 χ^2/NDF:6.1/5

+ sign 43.547+/-53.604 χ^2/NDF: 41.6/23

All: 39.985+/-38.703 χ^2/NDF: 73.6/48

- sign 36.105+/-55.940 χ^2/NDF: 32.0/24



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 190.130+/-0.054 χ^2/NDF:121530.0/7

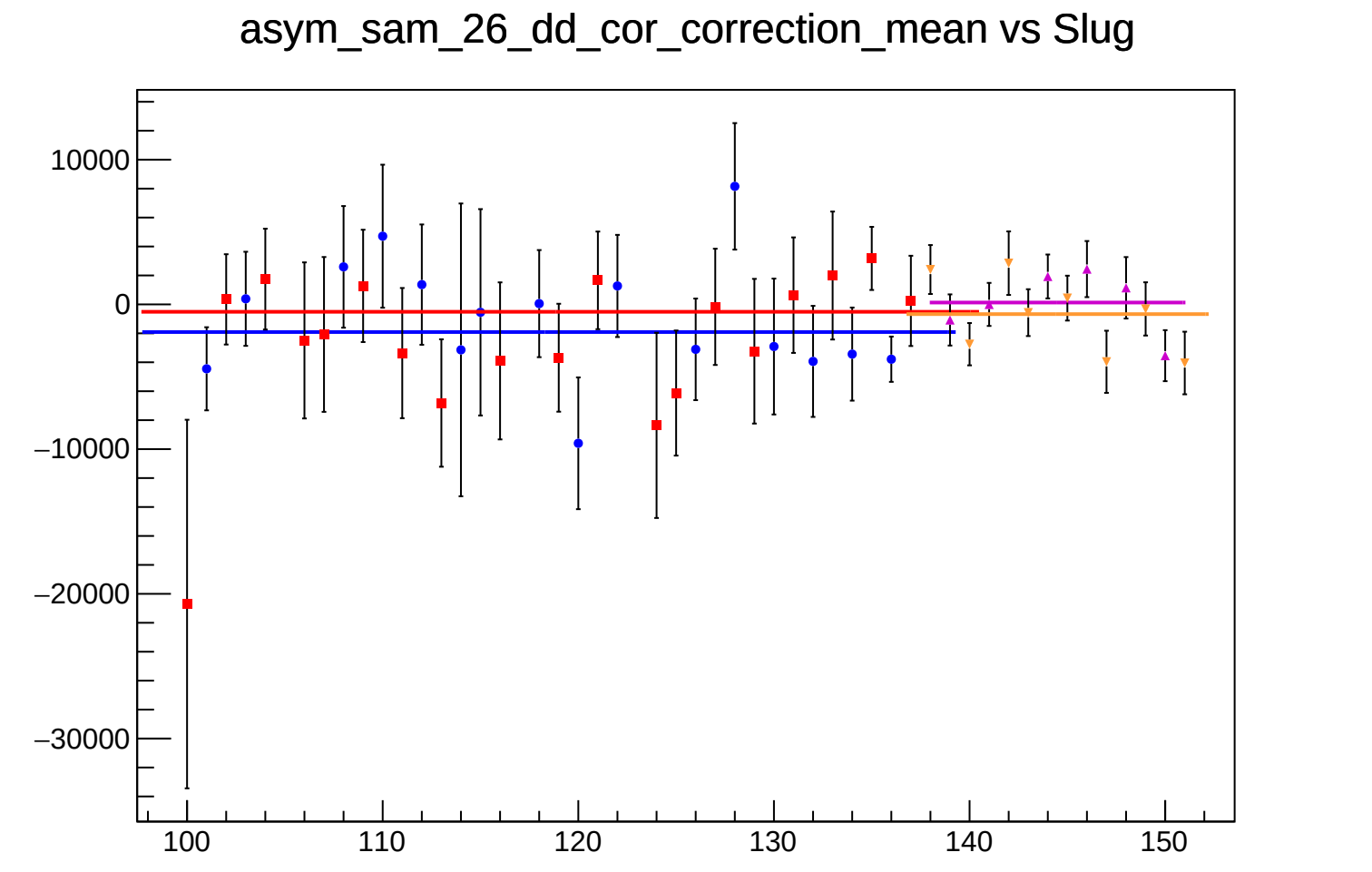
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 193.403+/-0.060 χ^2/NDF:130961.1/5

+ sign 195.279+/-0.038 χ^2/NDF: 320084.1/23

All: 196.577+/-0.027 χ^2/NDF: 659258.3/48

- sign 197.991+/-0.040 χ^2/NDF: 336724.2/24



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -671.667+/-626.139 χ^2/NDF:13.3/7

Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

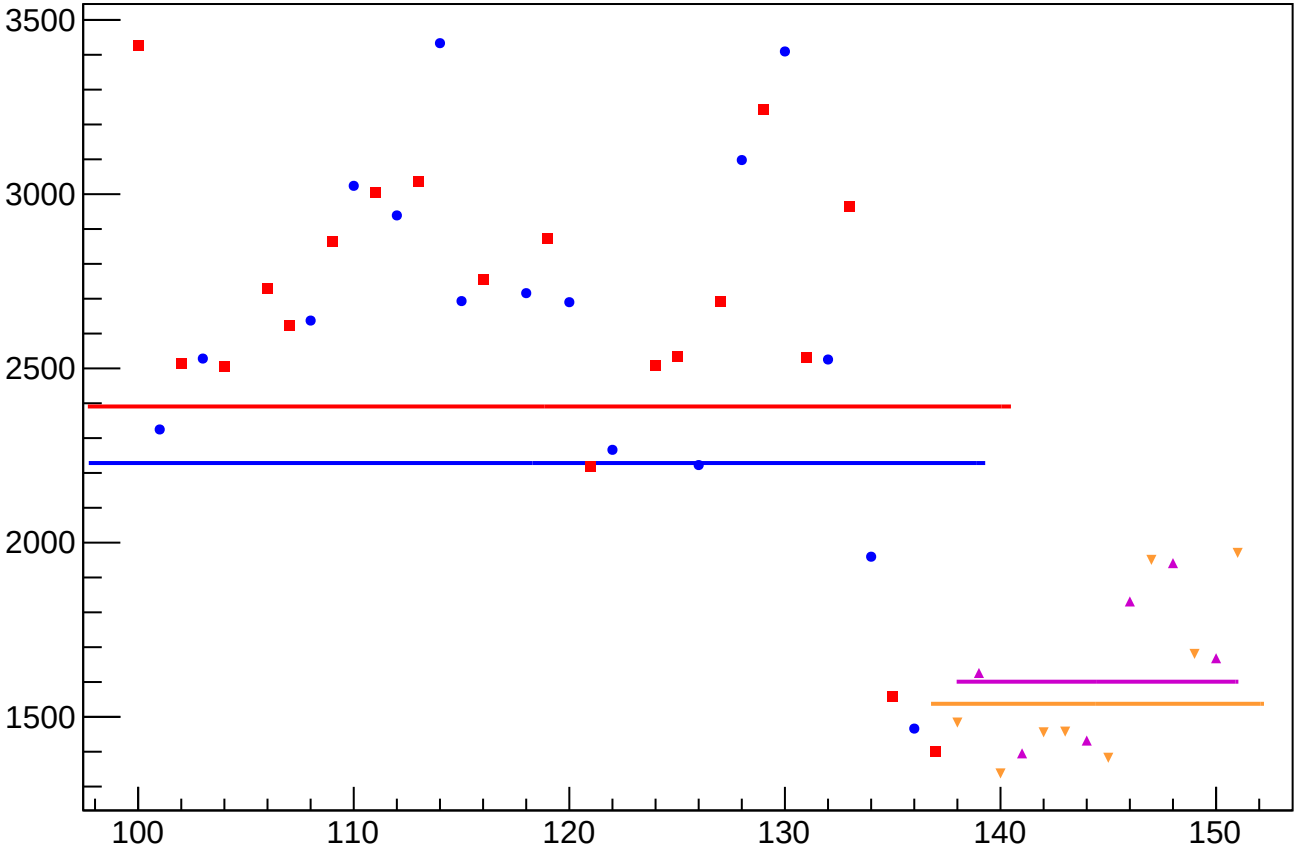
Left In: 128.179+/-703.957 χ^2/NDF:7.9/5

\+ sign -1101.378+/-506.003 χ^2/NDF: 30.9/23

All: -653.091+/-373.910 χ^2/NDF: 55.0/48

\- sign -113.869+/-554.956 χ^2/NDF: 22.4/24

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1537.539+/-0.443 χ^2/NDF:233468.5/7

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

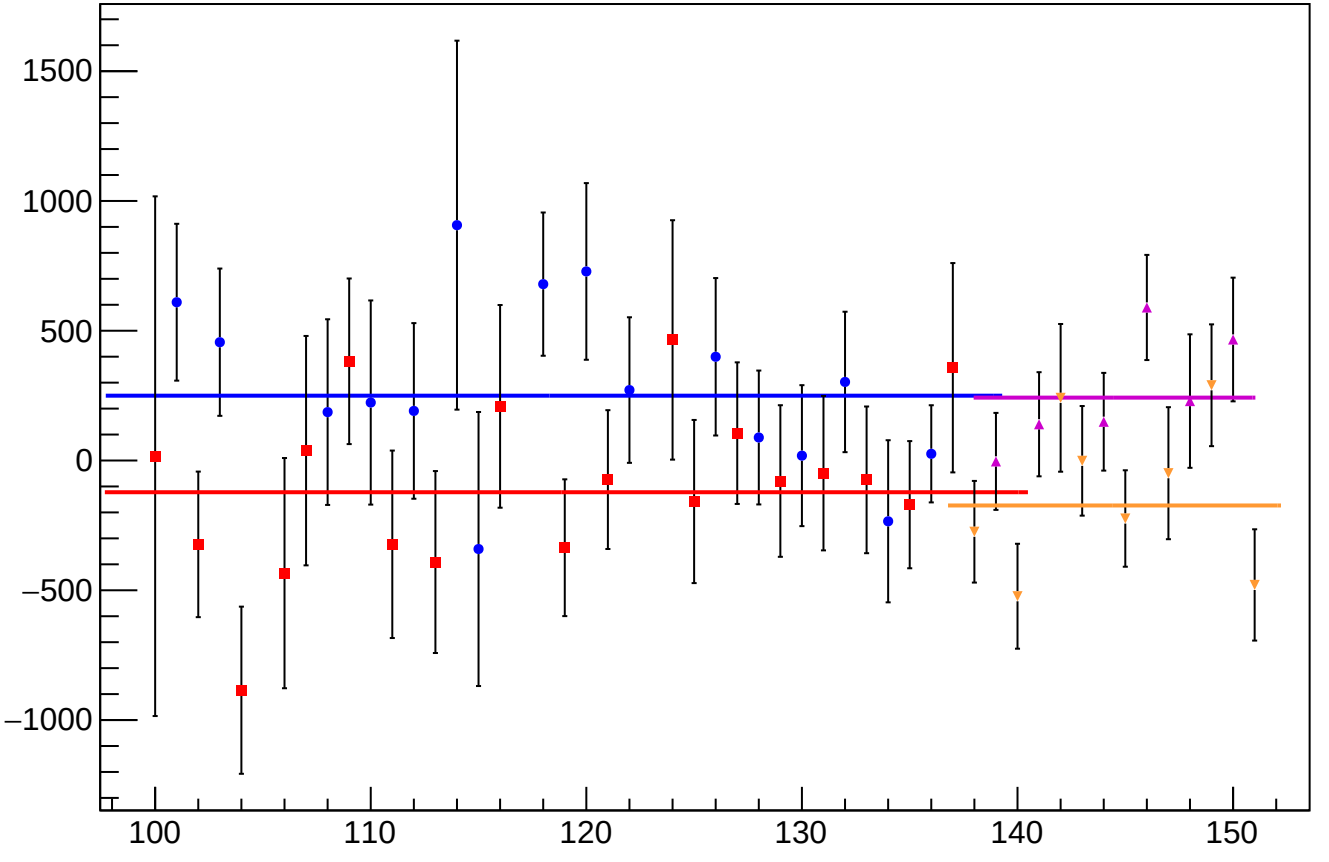
Left In: 1600.939+/-0.498 χ^2/NDF:146058.5/5

+ sign 1777.226+/-0.358 χ^2/NDF: 2025908.5/23

All: 1832.911+/-0.264 χ^2/NDF: 3968244.9/48

- sign 1899.892+/-0.392 χ^2/NDF: 1888979.2/24

eigen_cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -173.249+/-76.774 χ^2/NDF:12.3/7

Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

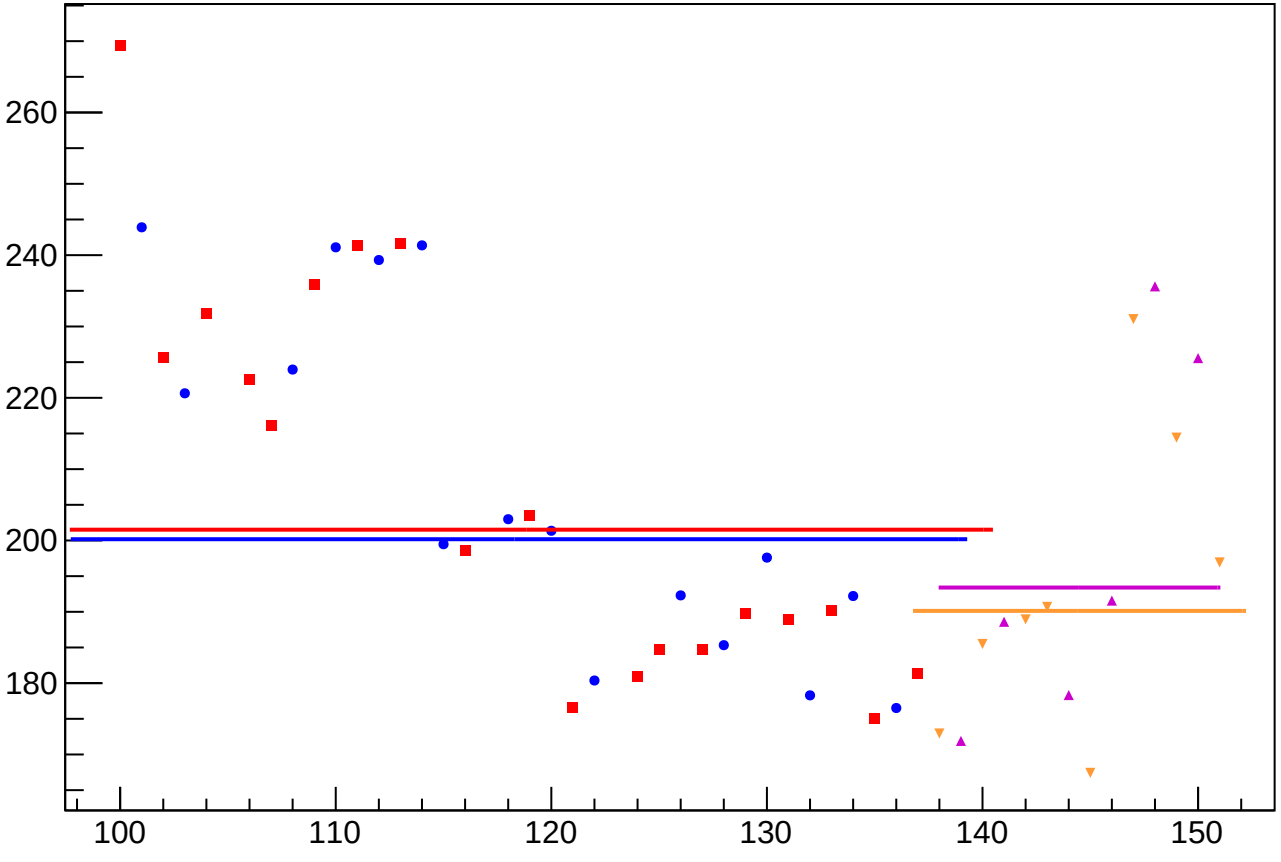
Left In: 242.263+/-84.878 χ^2/NDF:6.1/5

+ sign 43.547+/-53.604 χ^2/NDF: 41.6/23

All: 39.985+/-38.703 χ^2/NDF: 73.6/48

- sign 36.105+/-55.940 χ^2/NDF: 32.0/24

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 190.130+/-0.054 χ^2/NDF:121530.0/7

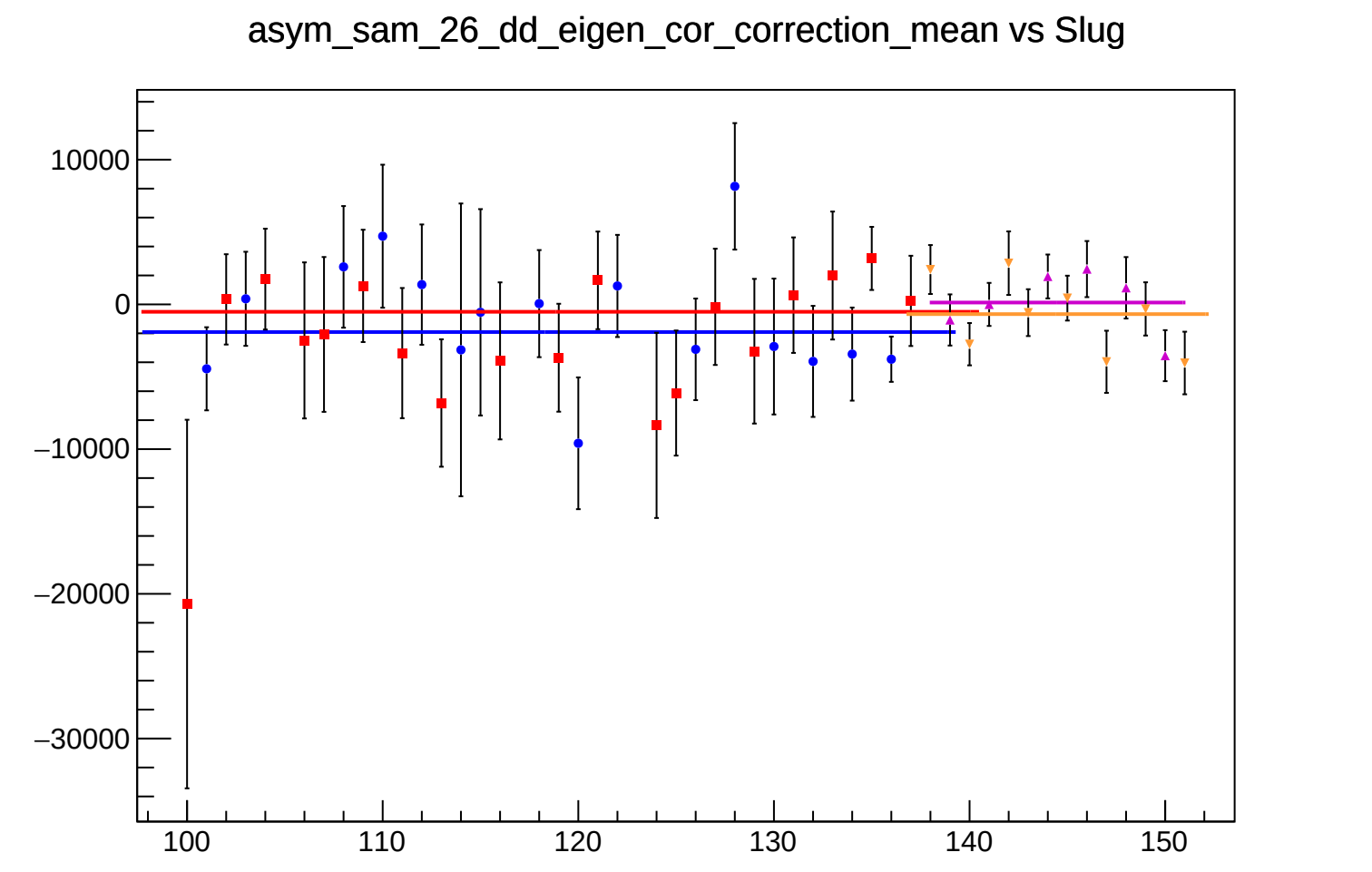
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 193.403+/-0.060 χ^2/NDF:130961.1/5

+ sign 195.279+/-0.038 χ^2/NDF: 320084.1/23

All: 196.577+/-0.027 χ^2/NDF: 659258.3/48

- sign 197.991+/-0.040 χ^2/NDF: 336724.2/24



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -671.667+/-626.139 χ^2/NDF:13.3/7

Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

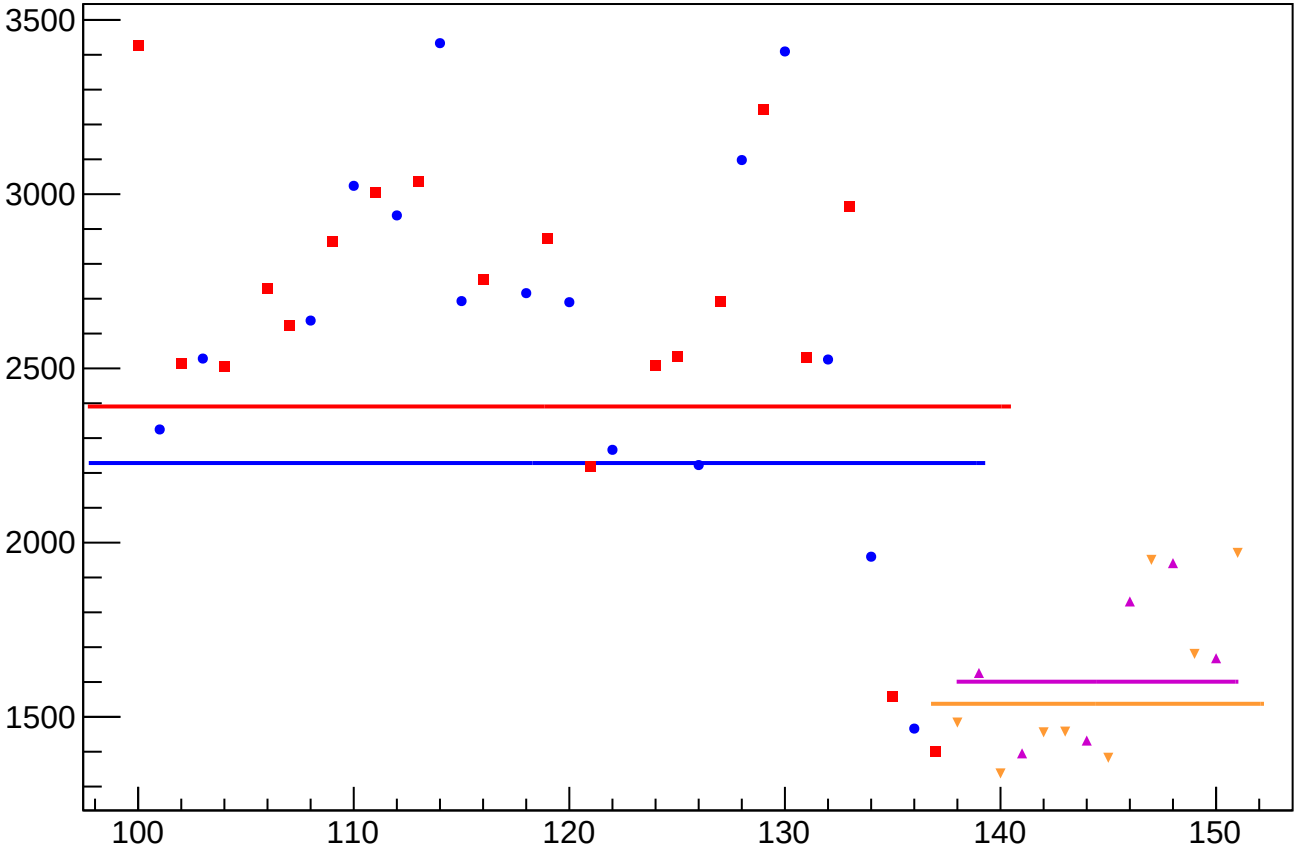
Left In: 128.179+/-703.957 χ^2/NDF:7.9/5

\+ sign -1101.378+/-506.003 χ^2/NDF: 30.9/23

All: -653.091+/-373.910 χ^2/NDF: 55.0/48

\- sign -113.869+/-554.956 χ^2/NDF: 22.4/24

asym_sam_26_dd_eigen_cor_correction_rms vs Slug



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1537.539+/-0.443 χ^2/NDF:233468.5/7

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

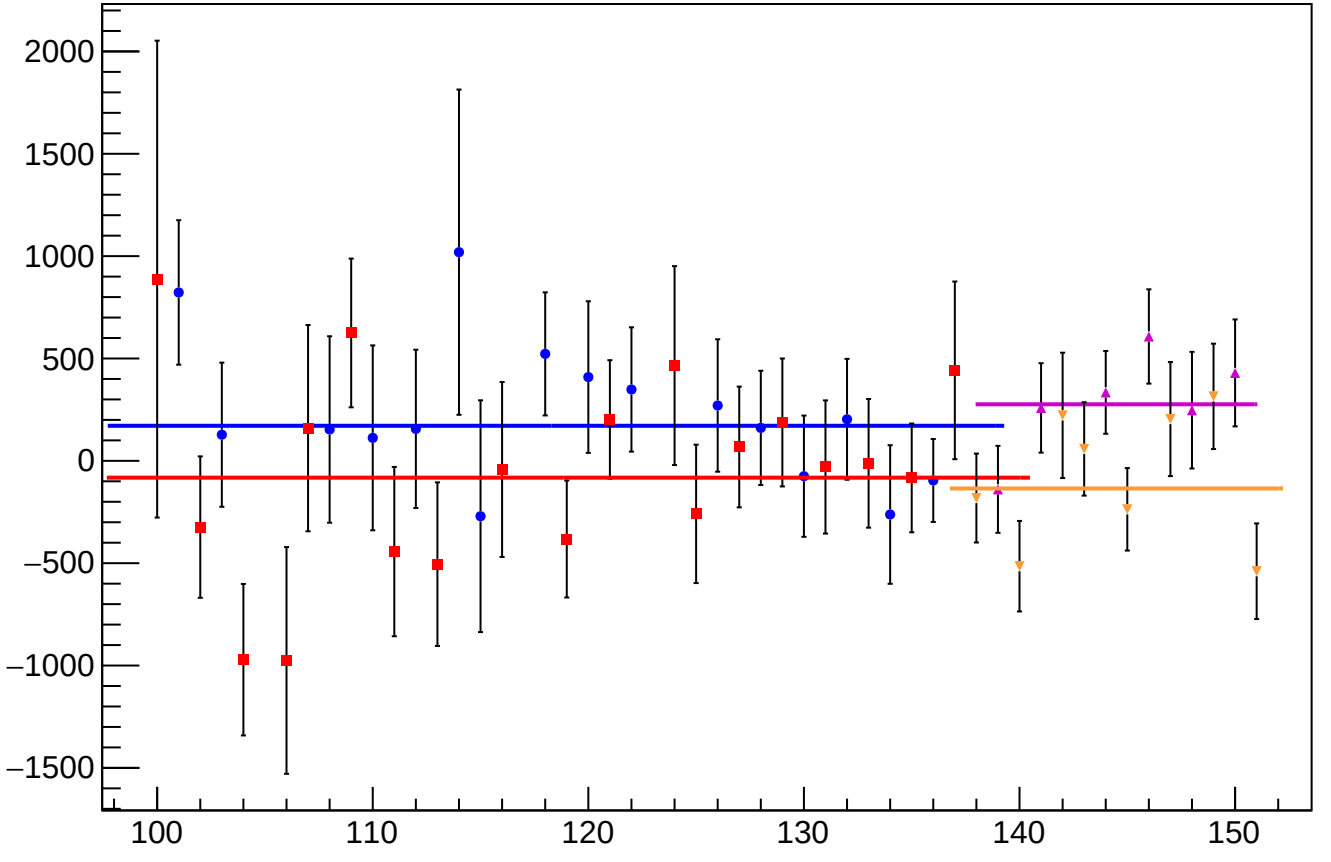
Left In: 1600.939+/-0.498 χ^2/NDF:146058.5/5

\+ sign 1777.226+/-0.358 χ^2/NDF: 2025908.5/23

All: 1832.911+/-0.264 χ^2/NDF: 3968244.9/48

\- sign 1899.892+/-0.392 χ^2/NDF: 1888979.2/24

dit_asym_sam_26_dd_mean vs Slug



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -134.980+/-83.779 χ^2/NDF:12.9/7

Right Out: -82.152+/-82.545 χ^2/NDF: 21.6/18

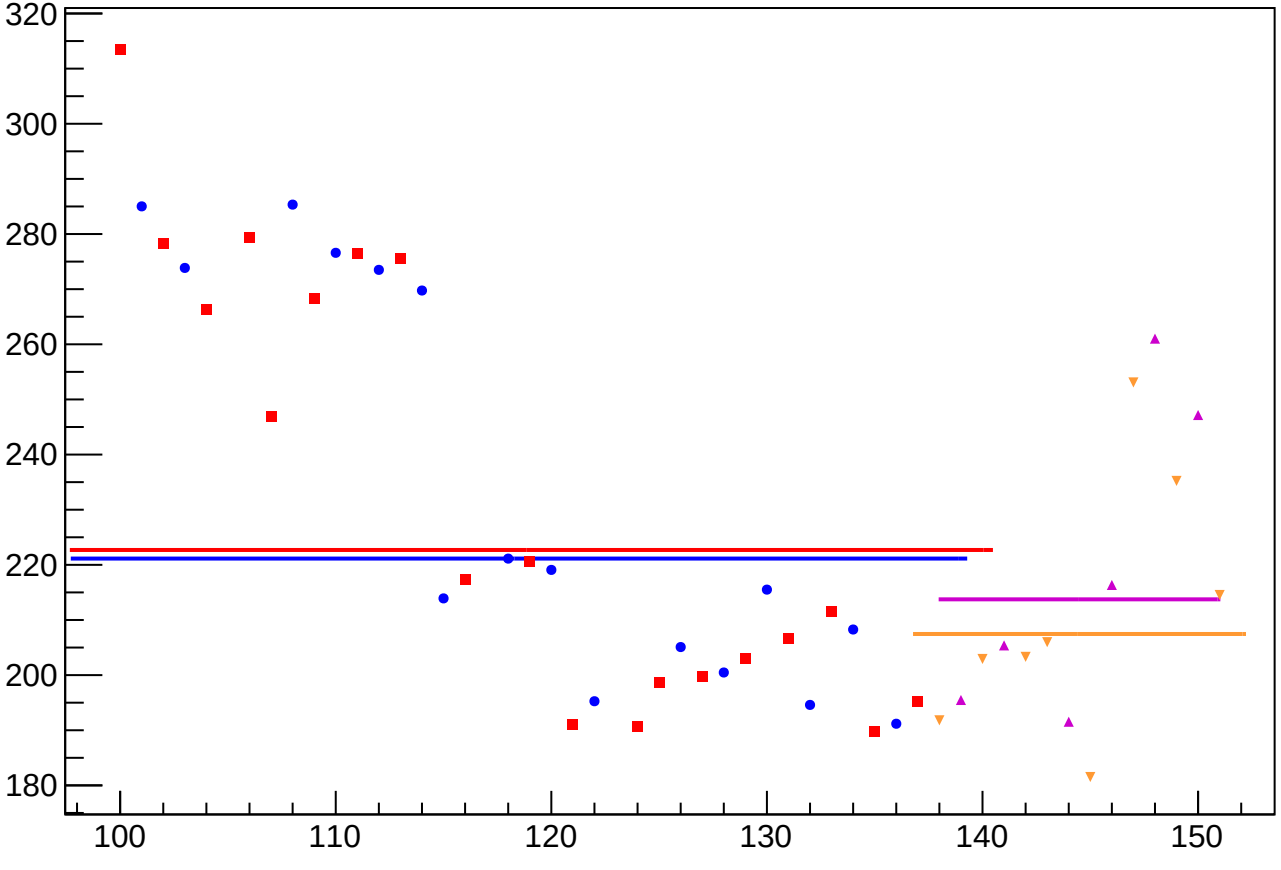
Left In: 276.183+/-93.904 χ^2/NDF:6.3/5

+ sign 19.357+/-59.005 χ^2/NDF: 31.1/23

All: 45.348+/-42.742 χ^2/NDF: 67.6/48

- sign 74.042+/-61.998 χ^2/NDF: 36.2/24

dit_asym_sam_26_dd_rms vs Slug



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 207.460+/-0.059 χ^2/NDF:123558.5/7

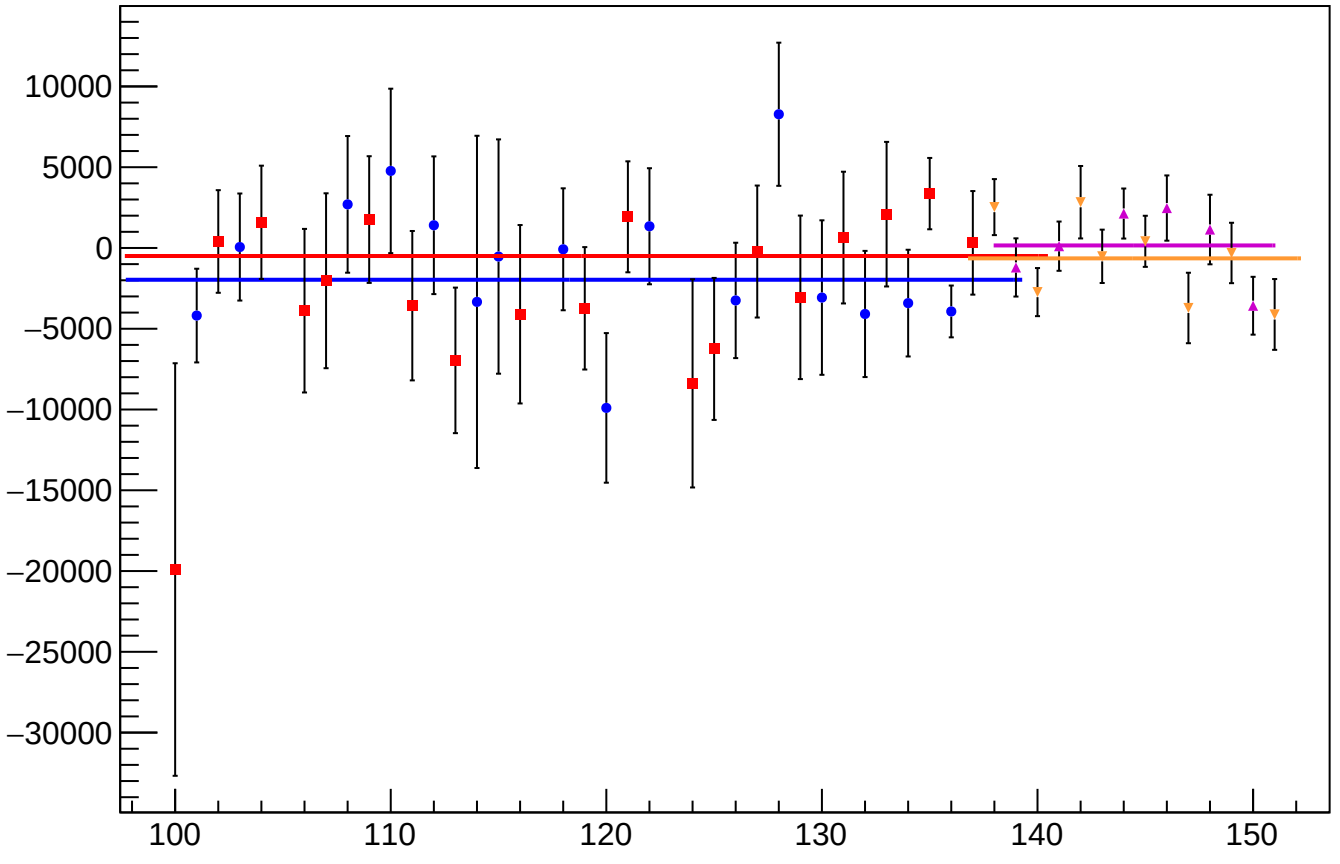
Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 213.743+/-0.066 χ^2/NDF:129929.1/5

+ sign 214.354+/-0.042 χ^2/NDF: 469130.3/23

All: 216.465+/-0.030 χ^2/NDF: 941732.8/48

- sign 218.794+/-0.044 χ^2/NDF: 467219.1/24



Right In: -1967.414+/-876.610 χ^2/NDF: 16.2/15

Left Out: -643.299+/-638.405 χ^2/NDF:12.7/7

Right Out: -497.281+/-914.759 χ^2/NDF: 14.8/18

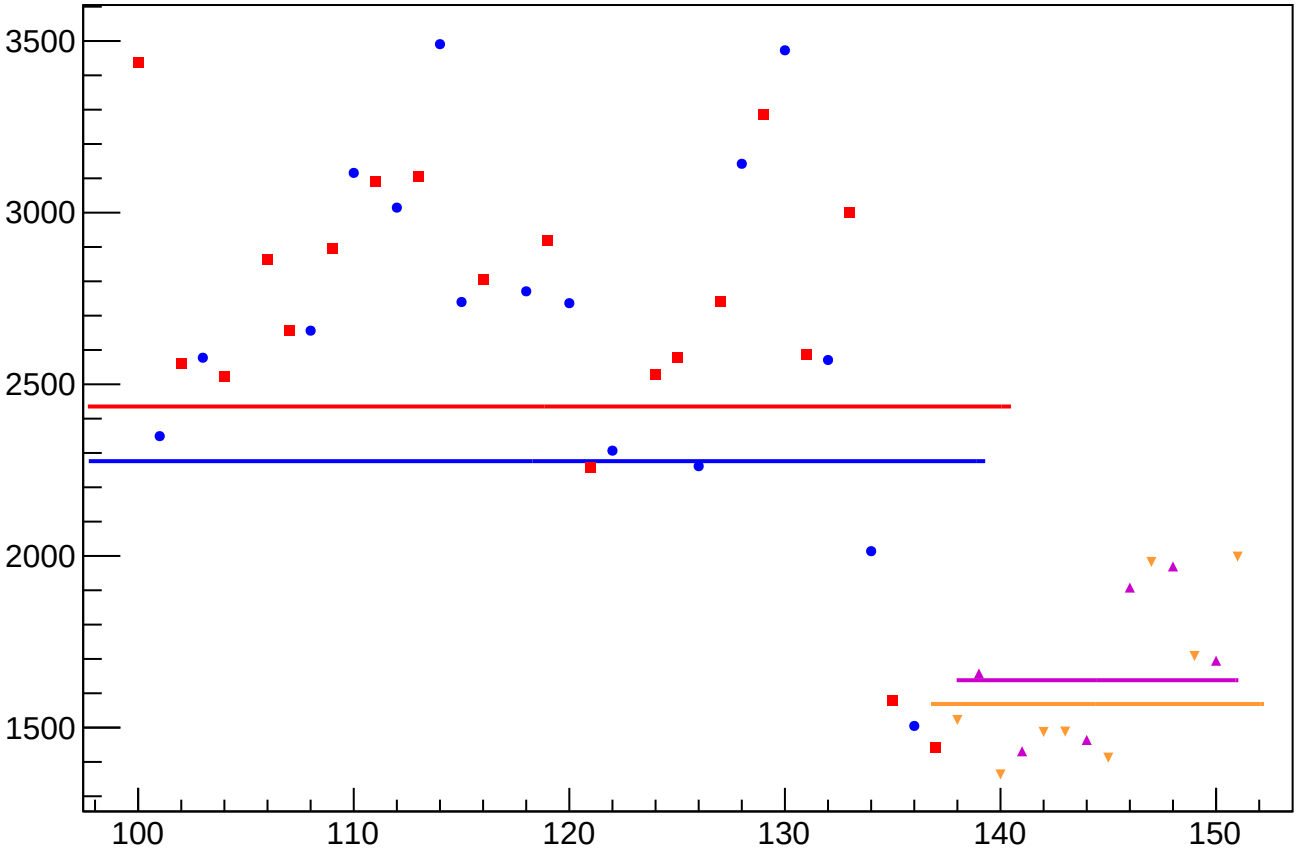
Left In: 156.771+/-720.228 χ^2/NDF:8.1/5

\+ sign -1102.190+/-516.057 χ^2/NDF: 30.3/23

All: -644.207+/-381.308 χ^2/NDF: 55.2/48

\- sign -93.522+/-565.881 χ^2/NDF: 23.1/24

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1568.765+/-0.451 χ^2/NDF:226162.4/7

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

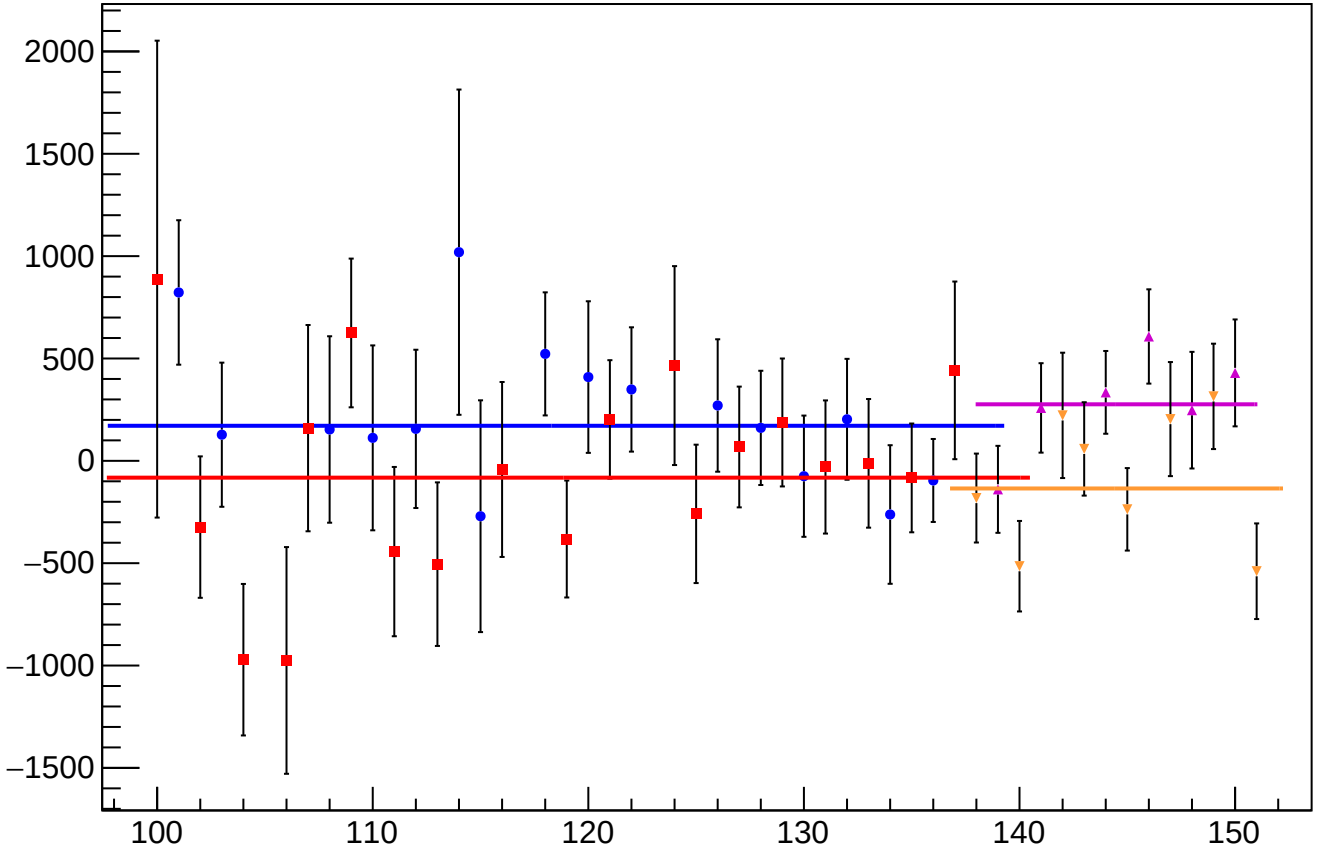
Left In: 1637.983+/-0.509 χ^2/NDF:147471.4/5

+ sign 1813.914+/-0.365 χ^2/NDF: 2004111.3/23

All: 1872.581+/-0.270 χ^2/NDF: 3938121.0/48

- sign 1943.122+/-0.400 χ^2/NDF: 1877083.8/24

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -134.983+/-83.779 χ^2/NDF:12.9/7

Right Out: -82.150+/-82.545 χ^2/NDF: 21.6/18

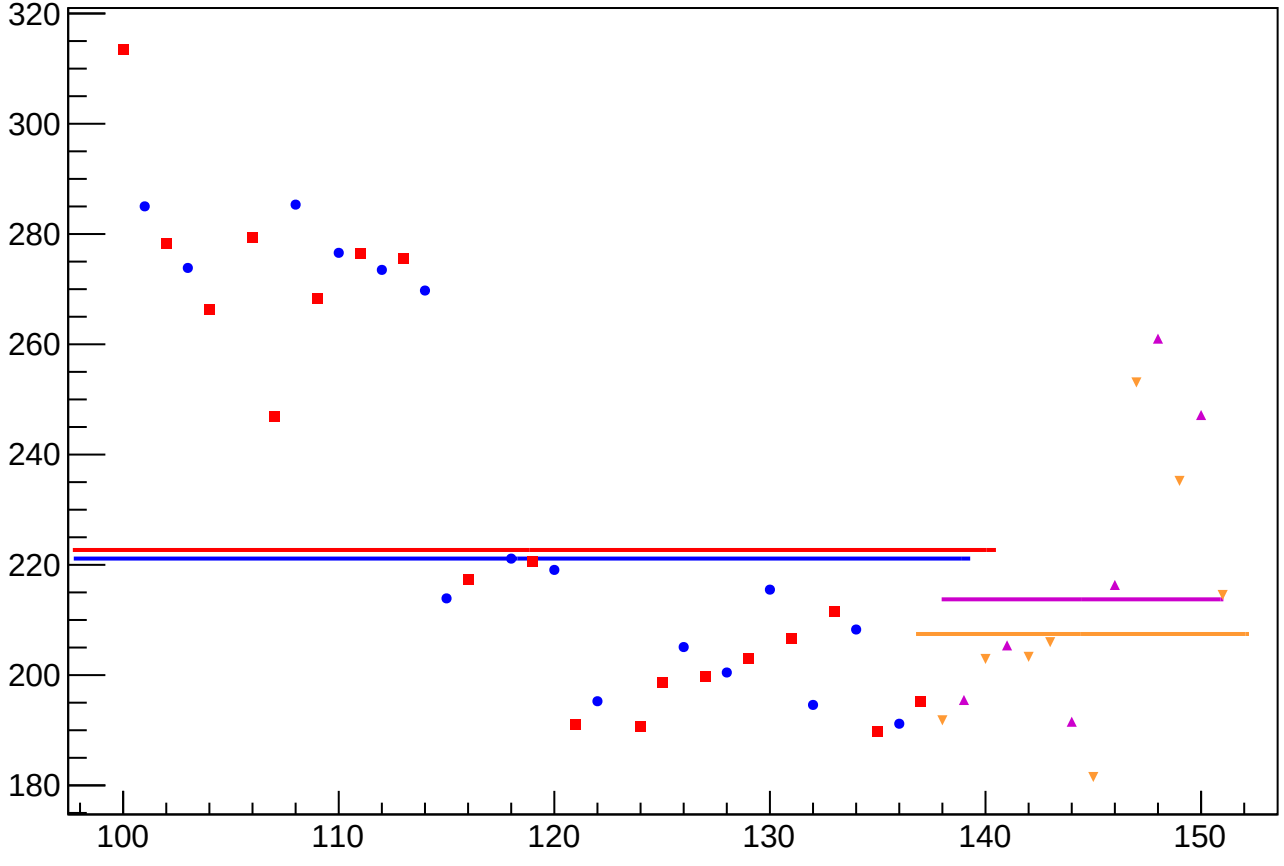
Left In: 276.184+/-93.904 χ^2/NDF:6.3/5

+ sign 19.357+/-59.005 χ^2/NDF: 31.1/23

All: 45.348+/-42.741 χ^2/NDF: 67.6/48

- sign 74.043+/-61.997 χ^2/NDF: 36.2/24

eigen_dit_asym_sam_26_dd_rms vs Slug



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 207.460+/-0.059 χ^2/NDF:123561.4/7

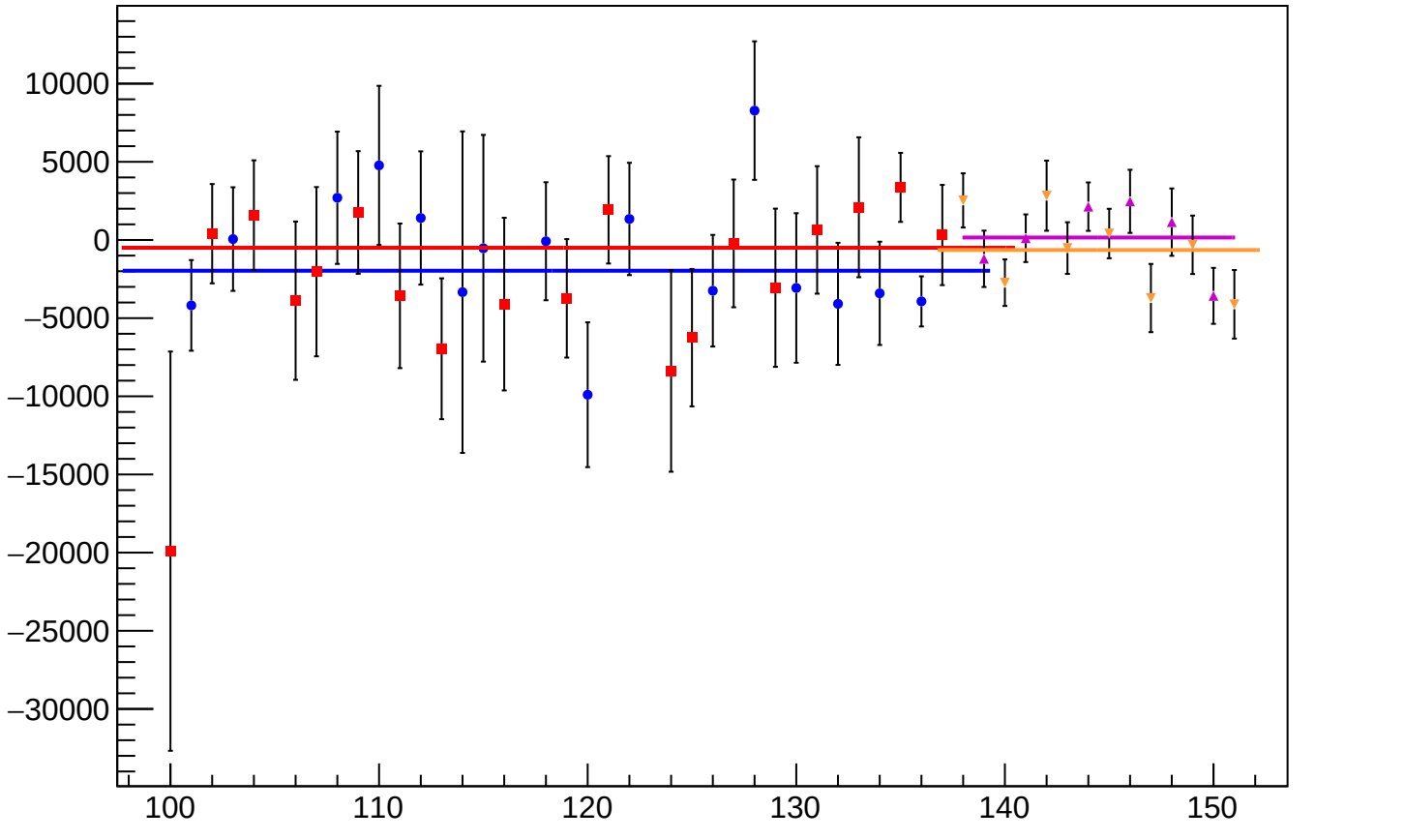
Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 213.743+/-0.066 χ^2/NDF:129930.5/5

+ sign 214.353+/-0.042 χ^2/NDF: 469124.6/23

All: 216.464+/-0.030 χ^2/NDF: 941720.1/48

- sign 218.794+/-0.044 χ^2/NDF: 467212.0/24



Right In: -1967.409+/-876.608 χ^2/NDF: 16.2/15

Left Out: -643.301+/-638.405 χ^2/NDF:12.7/7

Right Out: -497.282+/-914.757 χ^2/NDF: 14.8/18

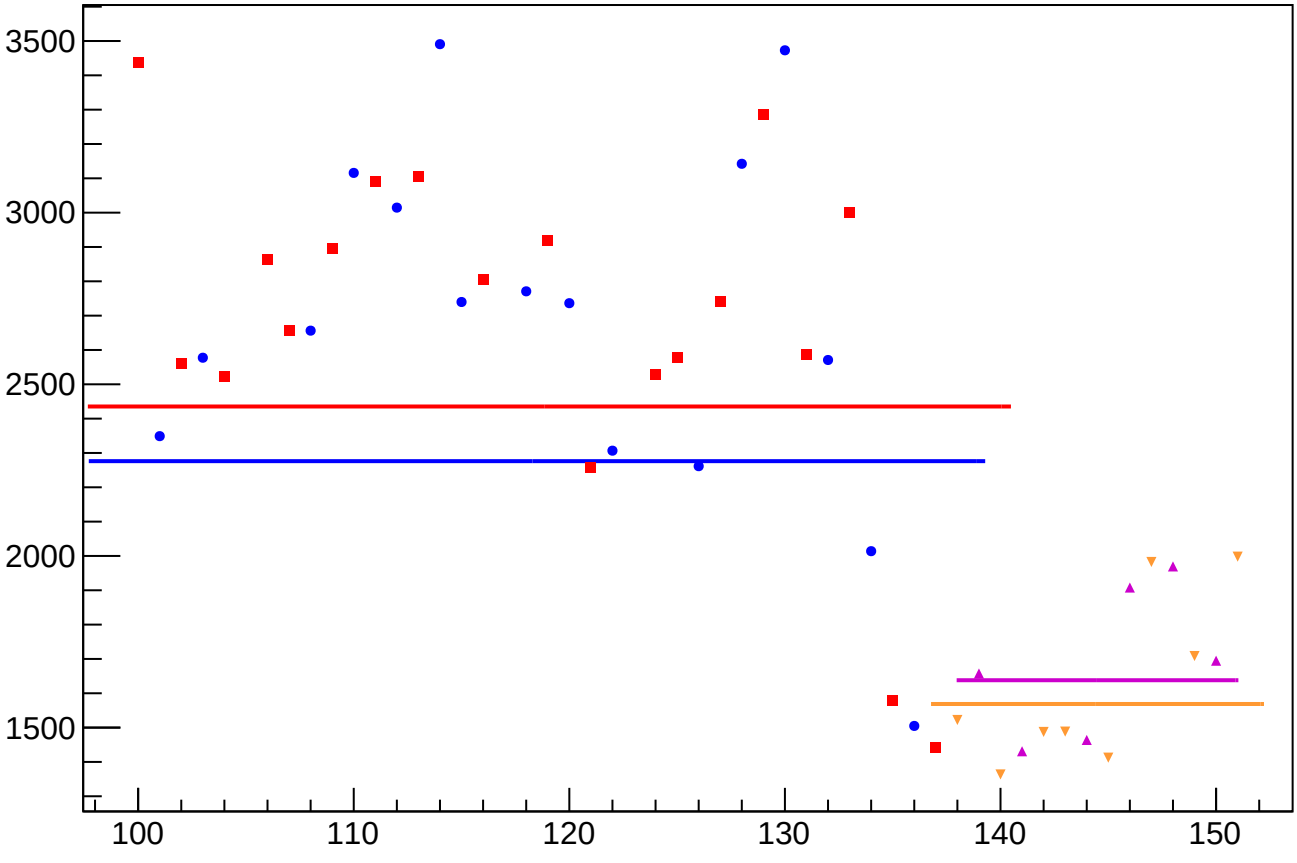
Left In: 156.771+/-720.227 χ^2/NDF:8.1/5

+ sign -1102.190+/-516.057 χ^2/NDF: 30.3/23

All: -644.207+/-381.307 χ^2/NDF: 55.2/48

- sign -93.523+/-565.880 χ^2/NDF: 23.1/24

asym_sam_26_dd_eigen_dit_correction_rms vs Slug



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1568.764+/-0.451 χ^2/NDF:226163.7/7

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

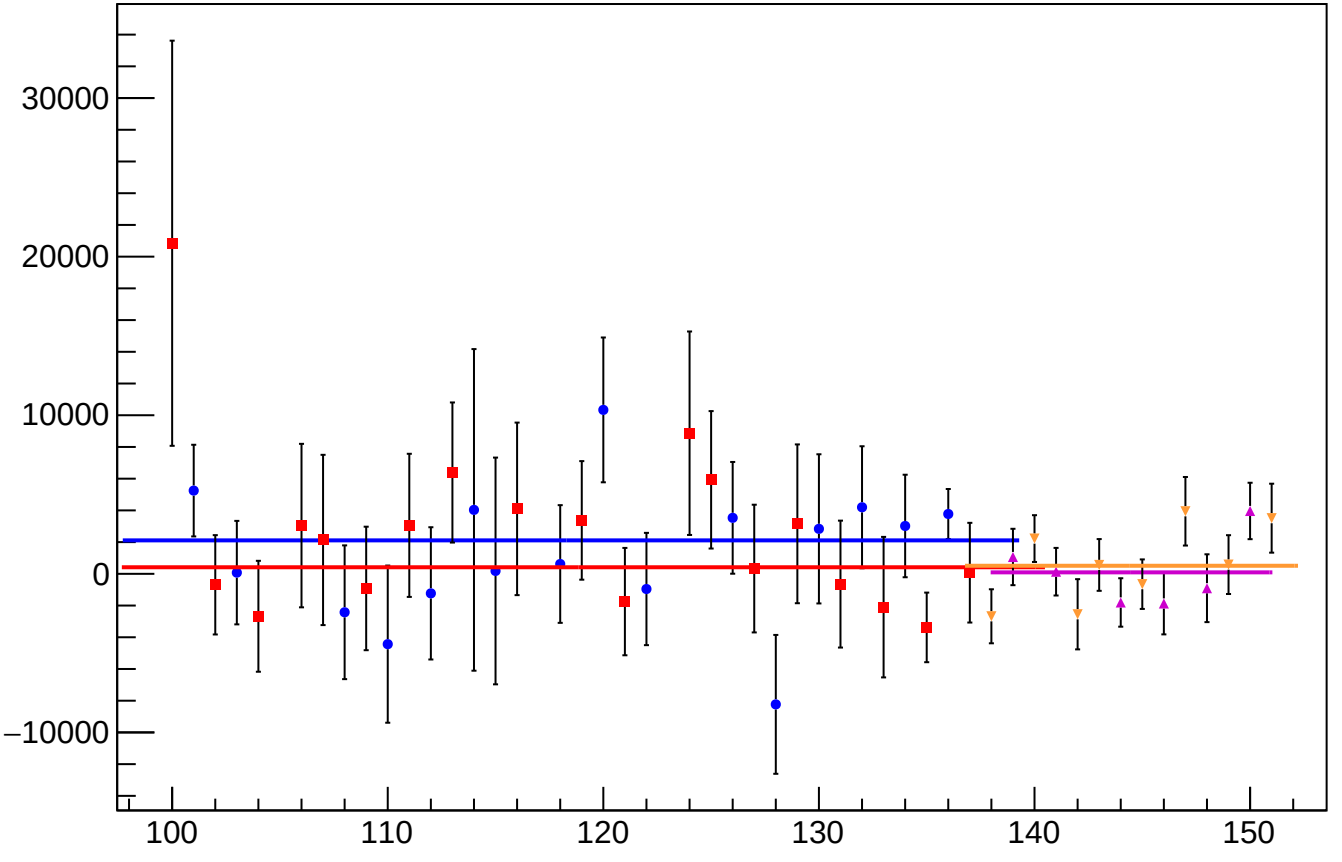
Left In: 1637.982+/-0.509 χ^2/NDF:147470.9/5

+ sign 1813.913+/-0.365 χ^2/NDF: 2004102.1/23

All: 1872.579+/-0.270 χ^2/NDF: 3938102.1/48

- sign 1943.120+/-0.400 χ^2/NDF: 1877074.0/24

asym_sam_26_dd_mean vs Slug



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: 508.785+/-631.126 χ^2/NDF:11.7/7

Right Out: 414.095+/-904.414 χ^2/NDF: 14.7/18

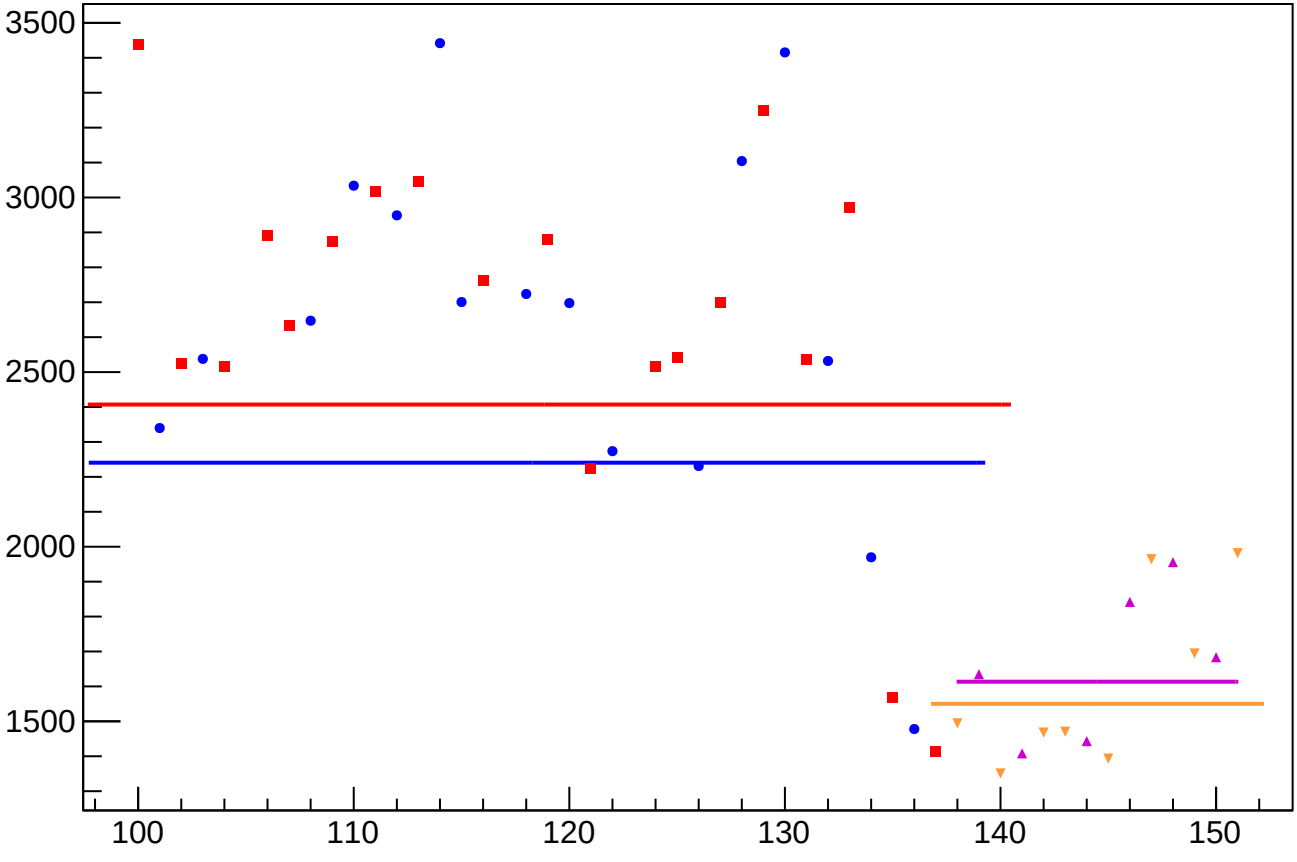
Left In: 92.694+/-709.377 χ^2/NDF:7.8/5

+ sign 1066.337+/-509.492 χ^2/NDF: 30.6/23

All: 679.449+/-376.299 χ^2/NDF: 54.4/48

- sign 215.110+/-558.166 χ^2/NDF: 22.5/24

asym_sam_26_dd_rms vs Slug



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1550.136+/-0.446 χ^2/NDF:230633.3/7

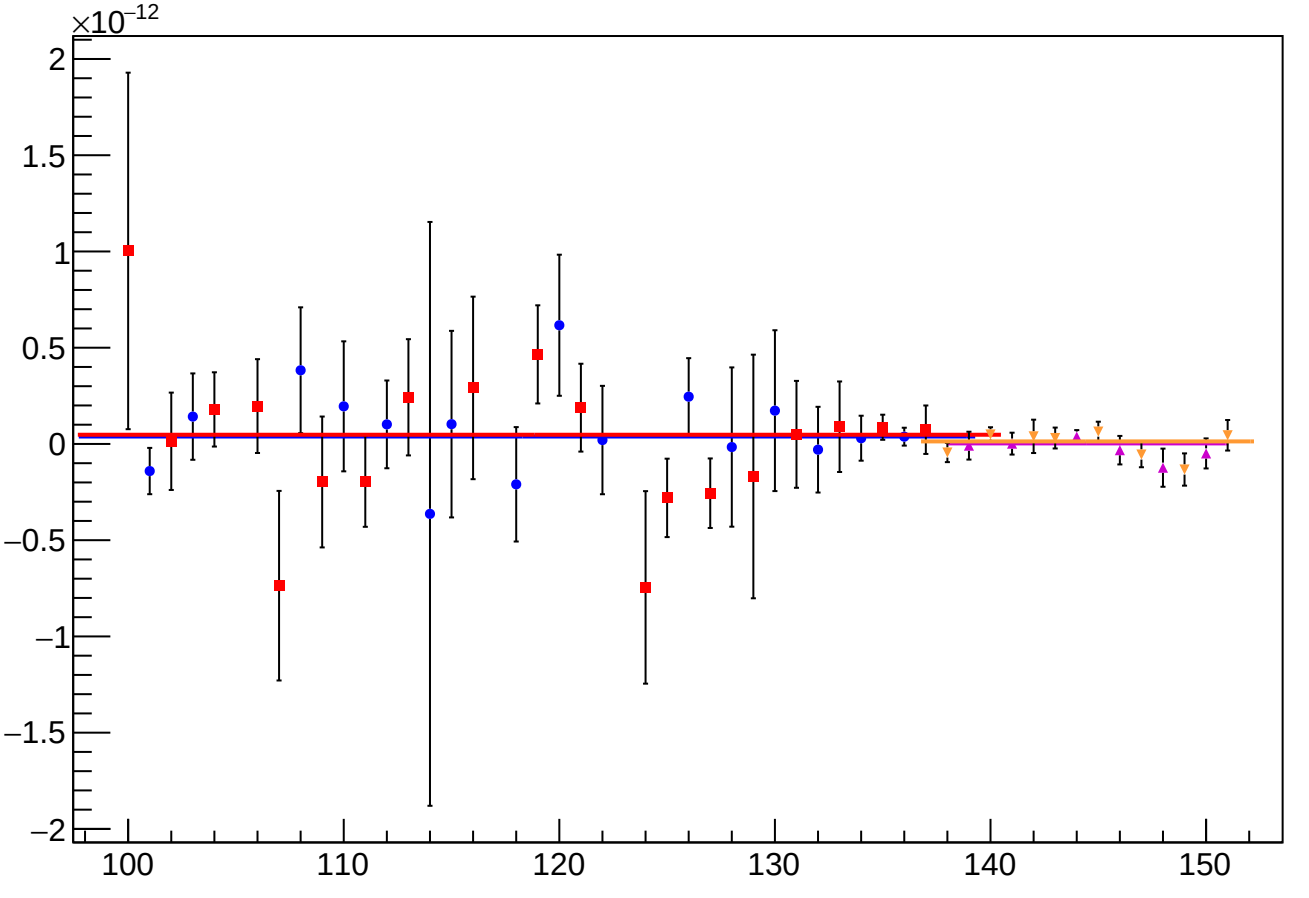
Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

Left In: 1613.490+/-0.502 χ^2/NDF:144348.0/5

+ sign 1790.638+/-0.360 χ^2/NDF: 1998047.9/23

All: 1847.512+/-0.266 χ^2/NDF: 3939678.9/48

- sign 1915.772+/-0.395 χ^2/NDF: 1886797.5/24



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.7/7

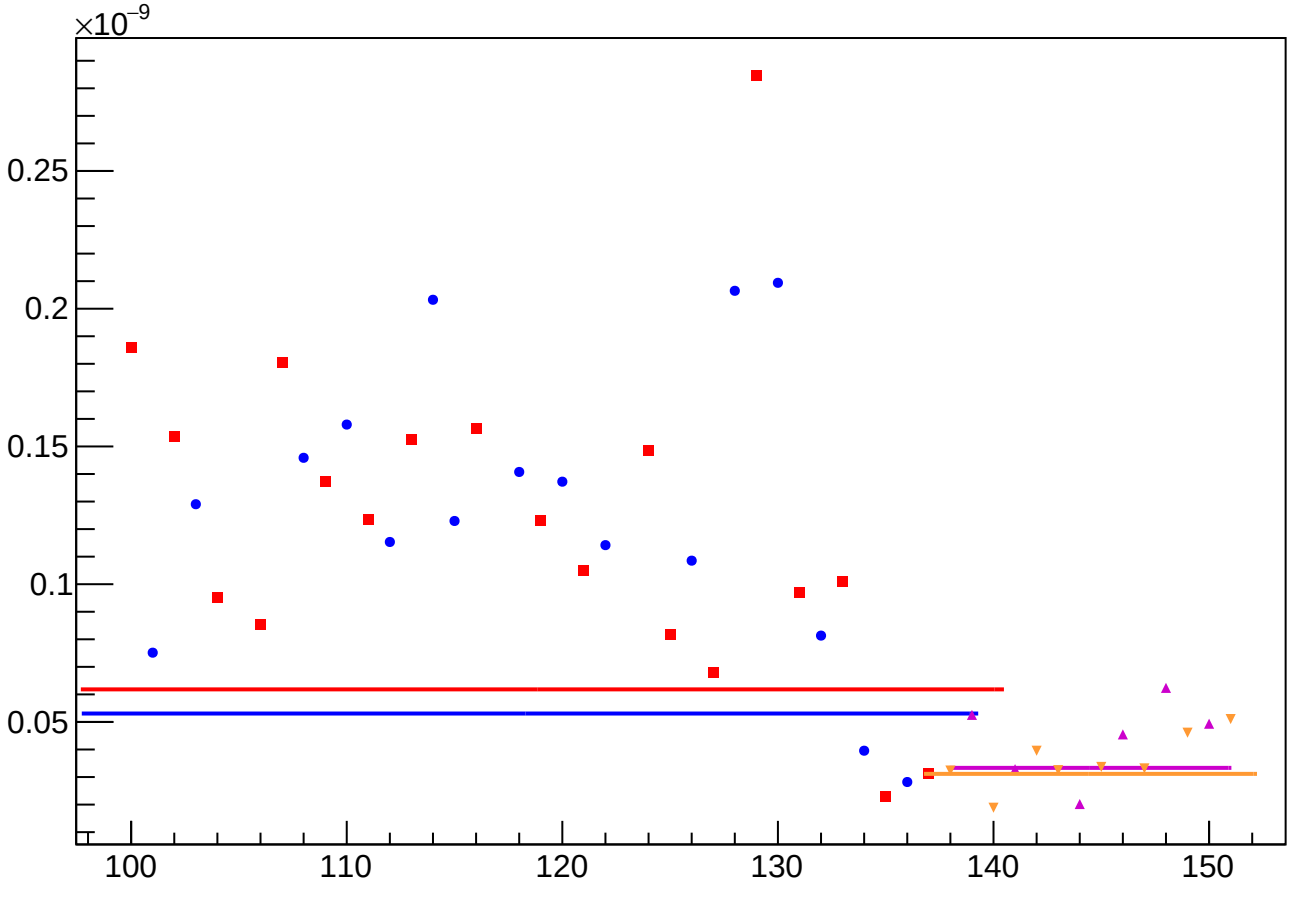
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3.4/5

+ sign 0.000+/-0.000 χ^2/NDF: 16.5/23

All: 0.000+/-0.000 χ^2/NDF: 39.0/48

- sign 0.000+/-0.000 χ^2/NDF: 22.5/24



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:432496.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

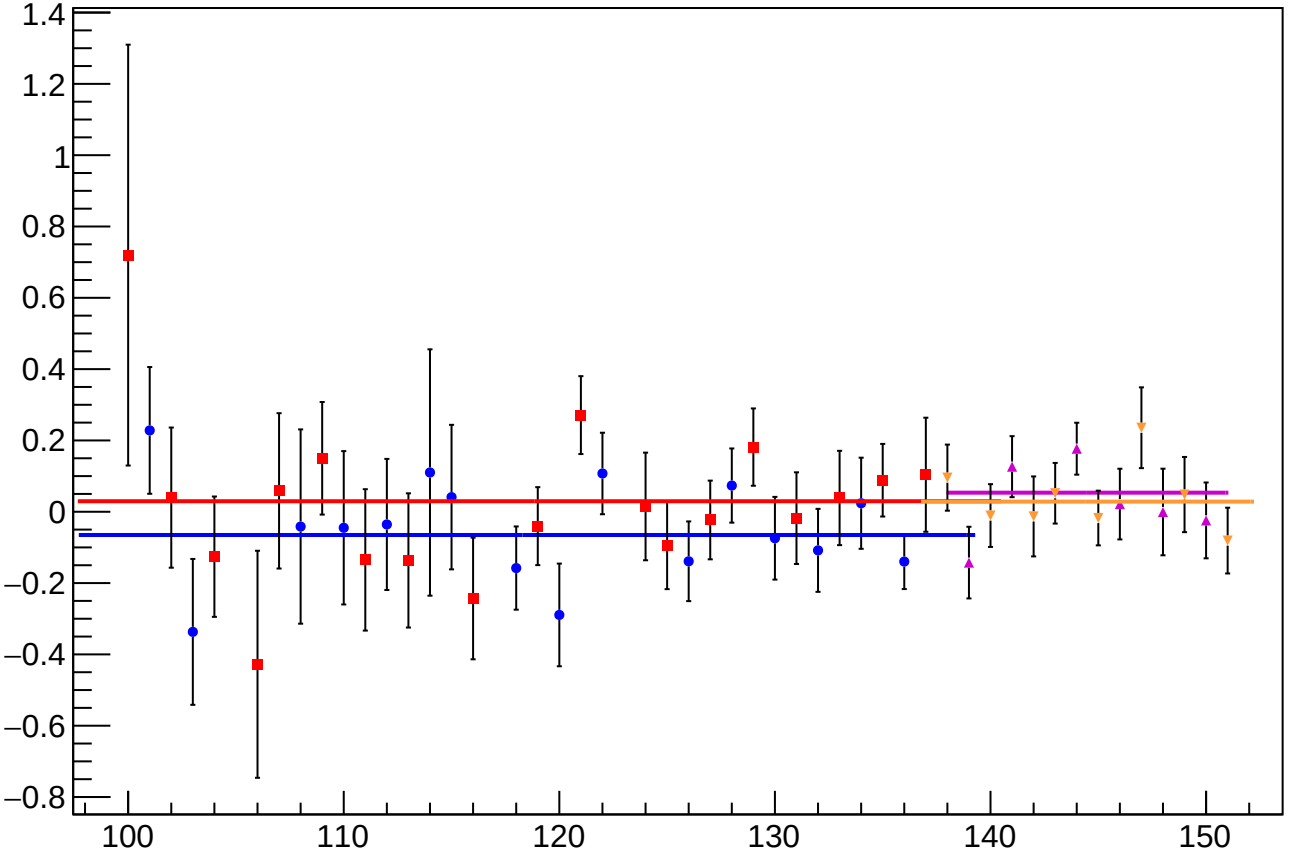
Left In: 0.000+/-0.000 χ^2/NDF:749146.0/5

+ sign 0.000+/-0.000 χ^2/NDF: 3565894.5/23

All: 0.000+/-0.000 χ^2/NDF: 7433441.0/48

- sign 0.000+/-0.000 χ^2/NDF: 3833335.3/24

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: 0.028+/-0.033 χ^2/NDF:6.1/7

Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

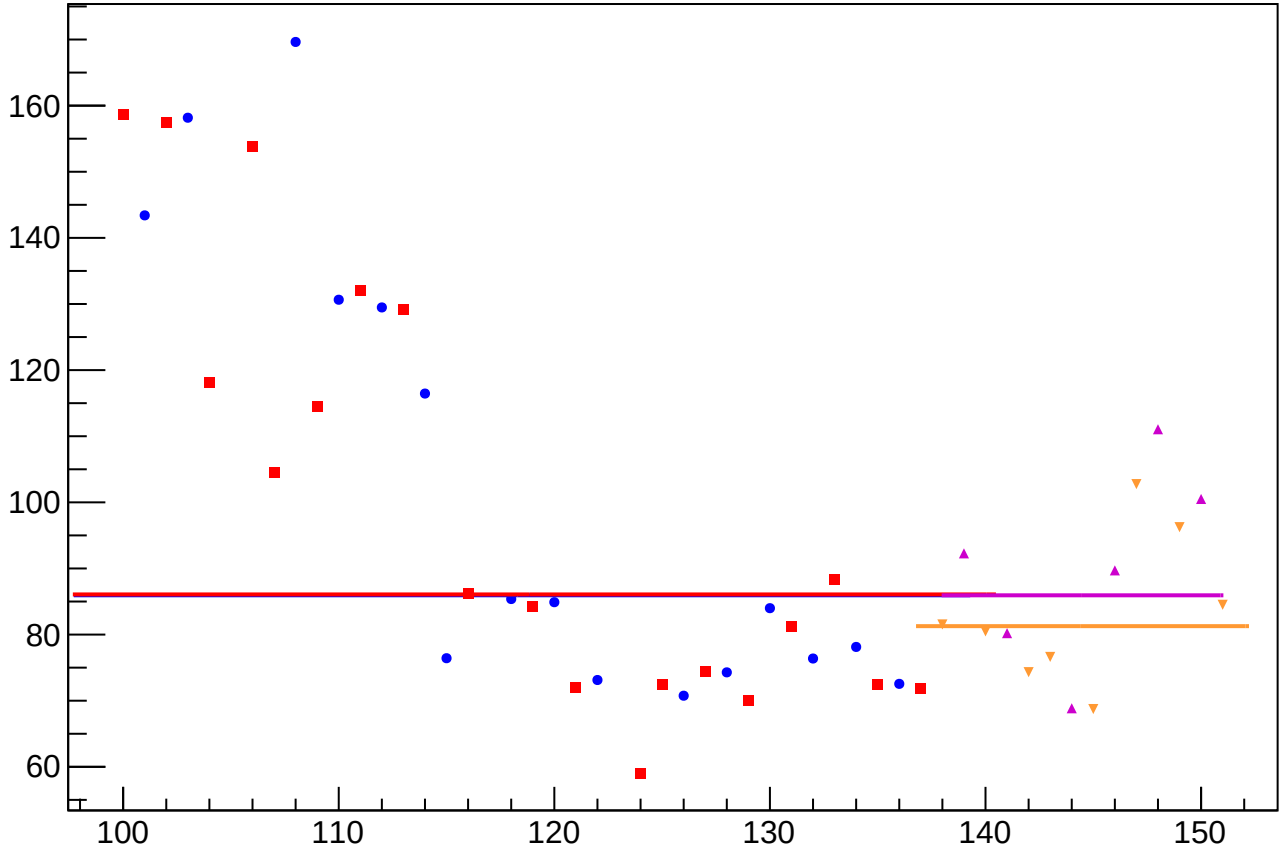
Left In: 0.054+/-0.038 χ^2/NDF:8.2/5

+ sign -0.018+/-0.023 χ^2/NDF: 24.2/23

All: 0.009+/-0.017 χ^2/NDF: 53.6/48

- sign 0.040+/-0.025 χ^2/NDF: 26.6/24

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: 81.276+/-0.023 χ^2/NDF:182044.0/7

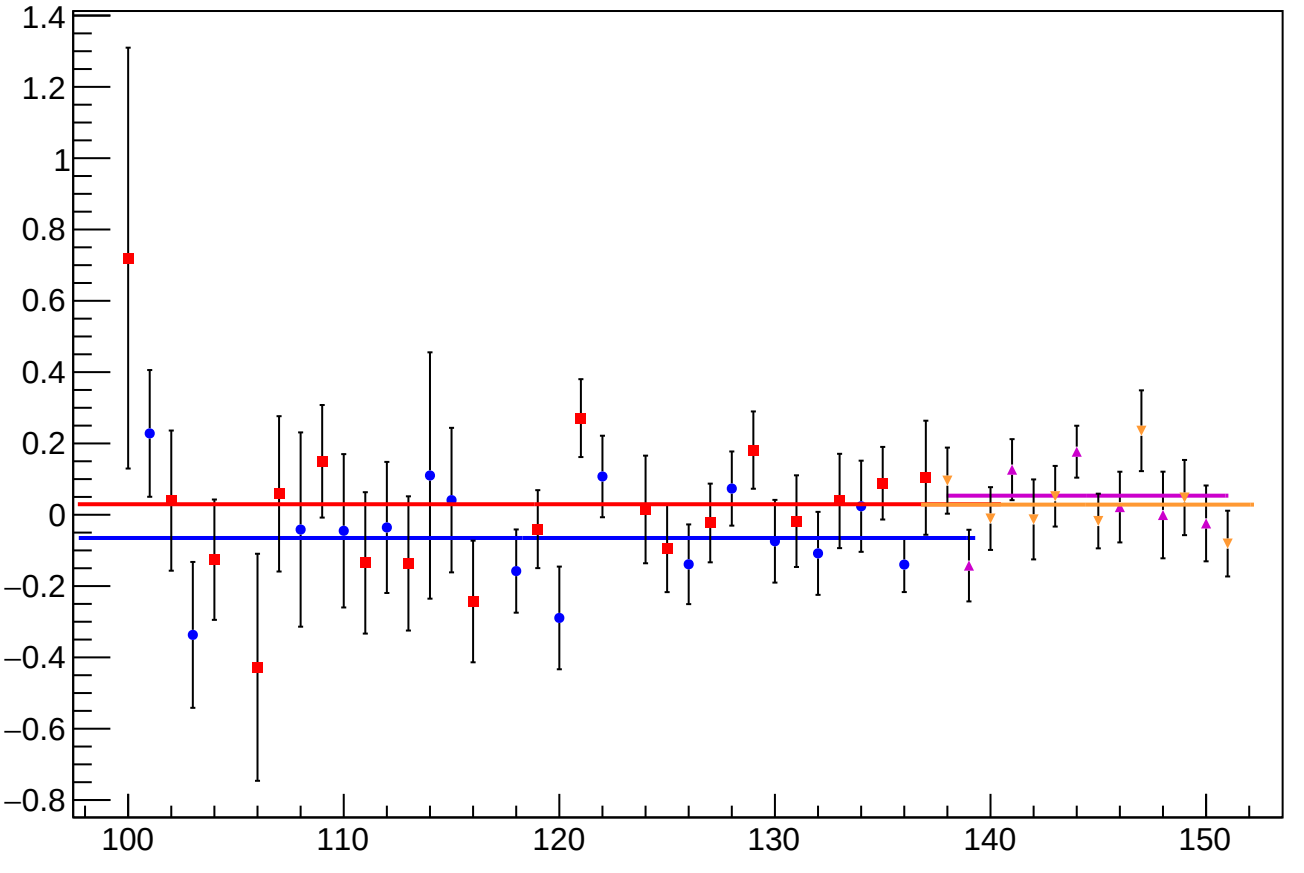
Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 85.940+/-0.027 χ^2/NDF:253035.0/5

+ sign 83.588+/-0.017 χ^2/NDF: 1236894.2/23

All: 84.725+/-0.012 χ^2/NDF: 2491362.9/48

- sign 86.016+/-0.018 χ^2/NDF: 1244420.2/24



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.028+/-0.033 χ^2/NDF:6.1/7

Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

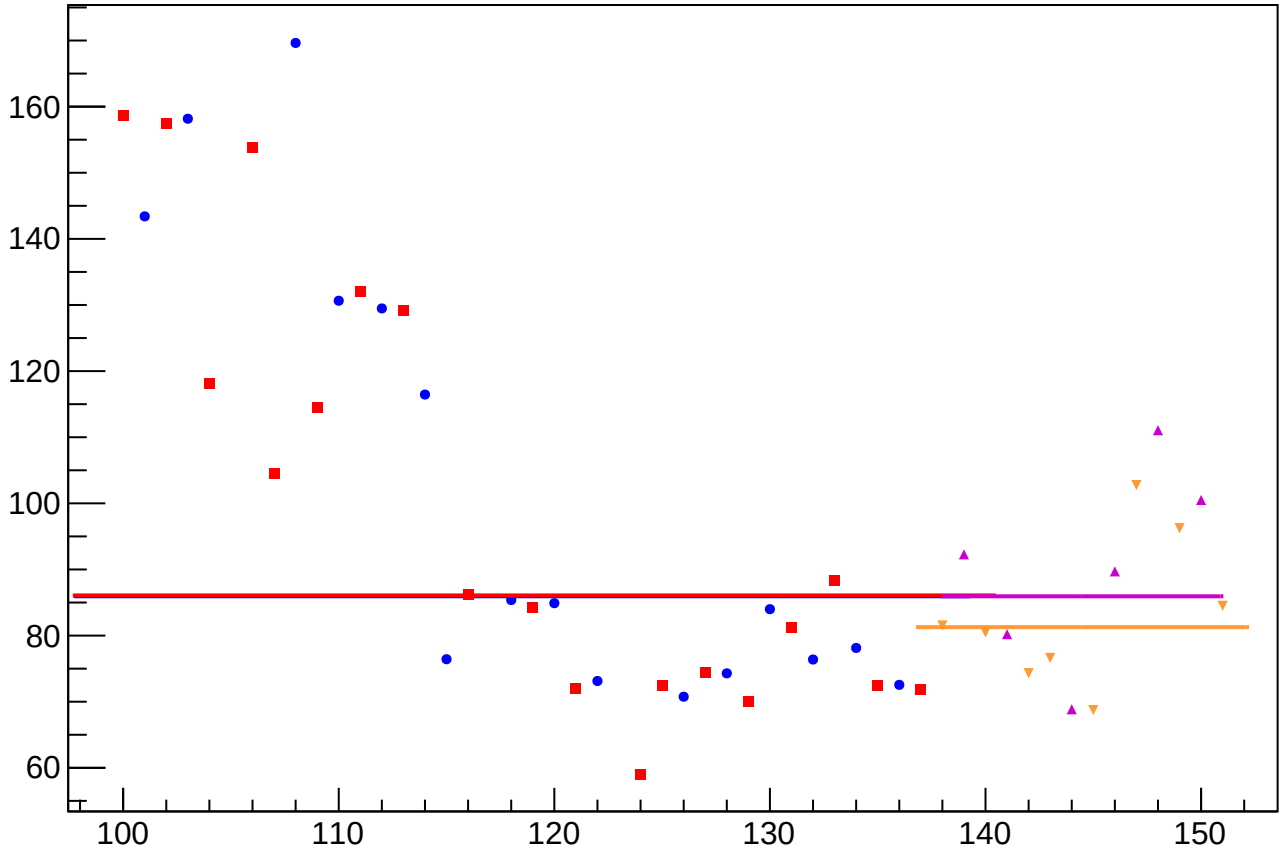
Left In: 0.054+/-0.038 χ^2/NDF:8.2/5

+ sign -0.018+/-0.023 χ^2/NDF: 24.2/23

All: 0.009+/-0.017 χ^2/NDF: 53.6/48

- sign 0.040+/-0.025 χ^2/NDF: 26.6/24

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 81.276+/-0.023 χ^2/NDF:182044.0/7

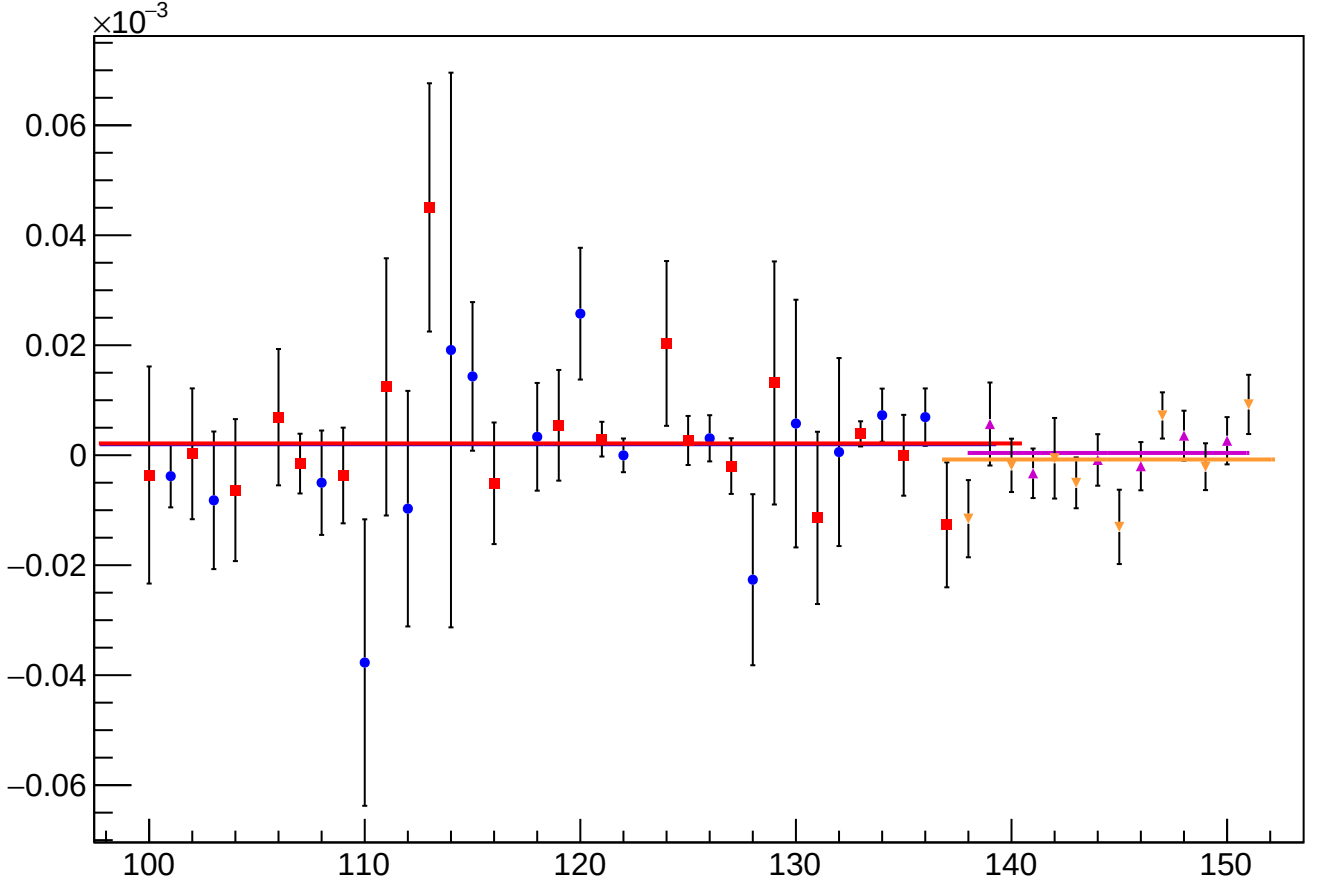
Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 85.940+/-0.027 χ^2/NDF:253035.0/5

+ sign 83.588+/-0.017 χ^2/NDF: 1236894.2/23

All: 84.725+/-0.012 χ^2/NDF: 2491362.9/48

- sign 86.016+/-0.018 χ^2/NDF: 1244420.2/24



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.7/7

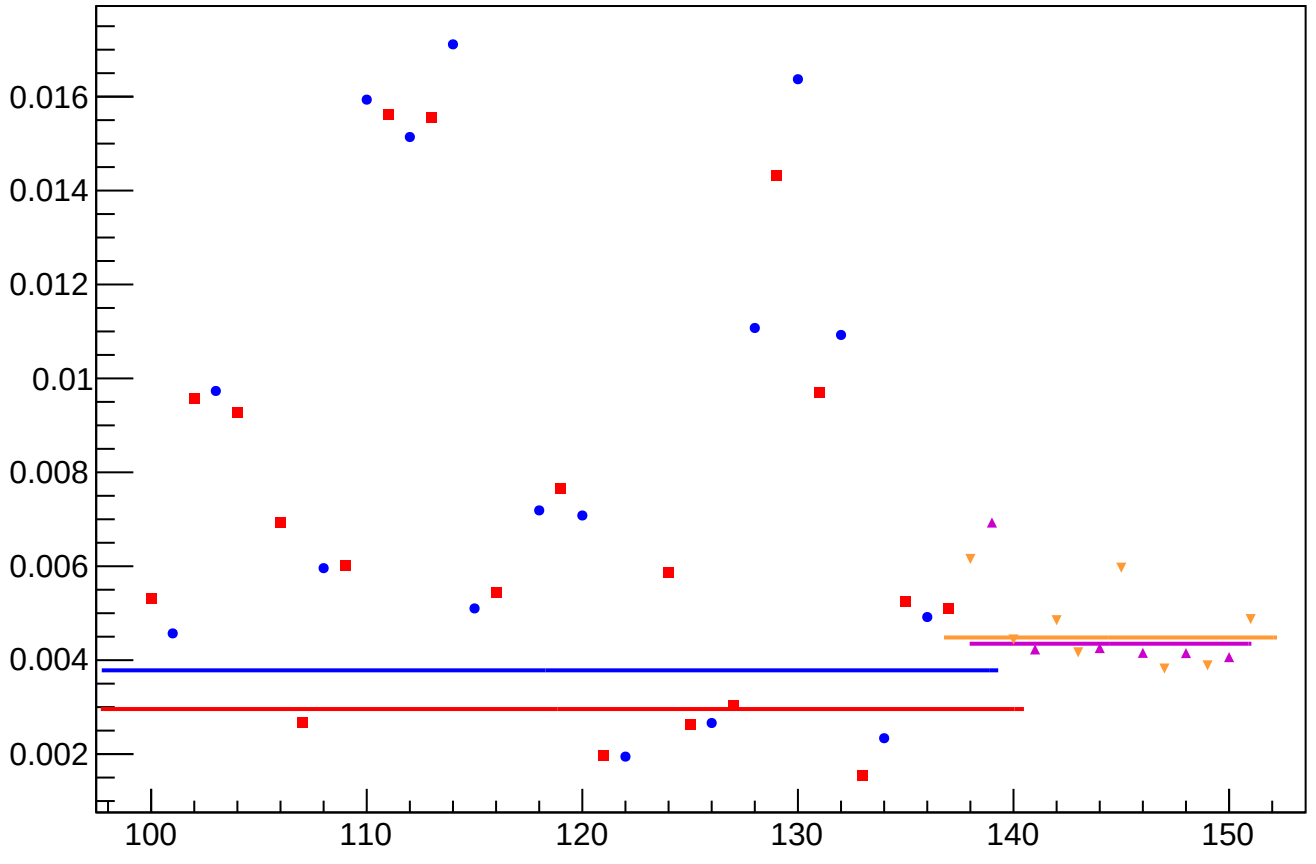
Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: 0.000+/-0.000 χ^2/NDF:2.3/5

+ sign 0.000+/-0.000 χ^2/NDF: 29.8/23

All: 0.000+/-0.000 χ^2/NDF: 44.4/48

- sign 0.000+/-0.000 χ^2/NDF: 14.3/24



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:323768.5/7

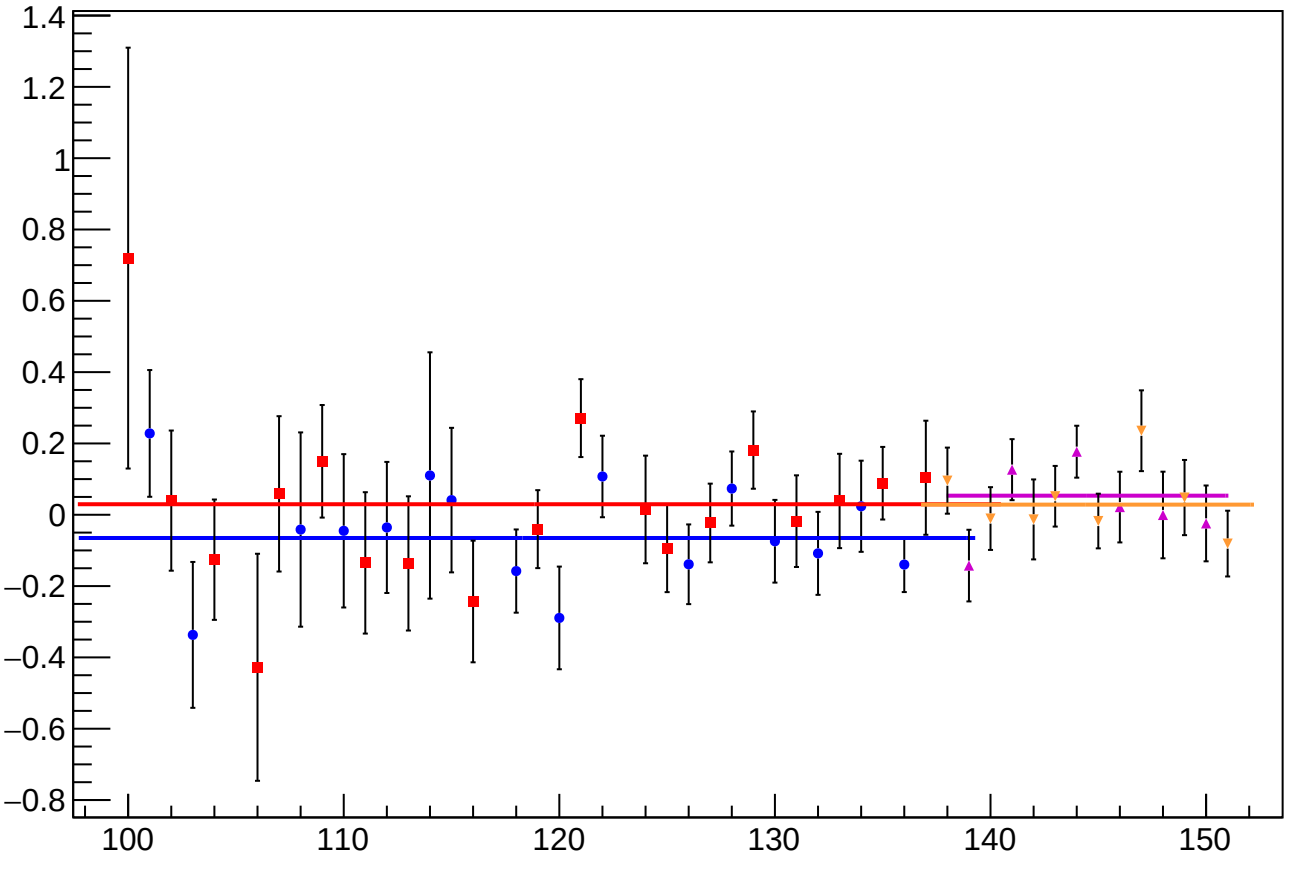
Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

Left In: 0.004+/-0.000 χ^2/NDF:252653.3/5

+ sign 0.004+/-0.000 χ^2/NDF: 5170386.9/23

All: 0.004+/-0.000 χ^2/NDF: 11966177.8/48

- sign 0.003+/-0.000 χ^2/NDF: 6478433.0/24



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.028+/-0.033 χ^2/NDF:6.1/7

Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

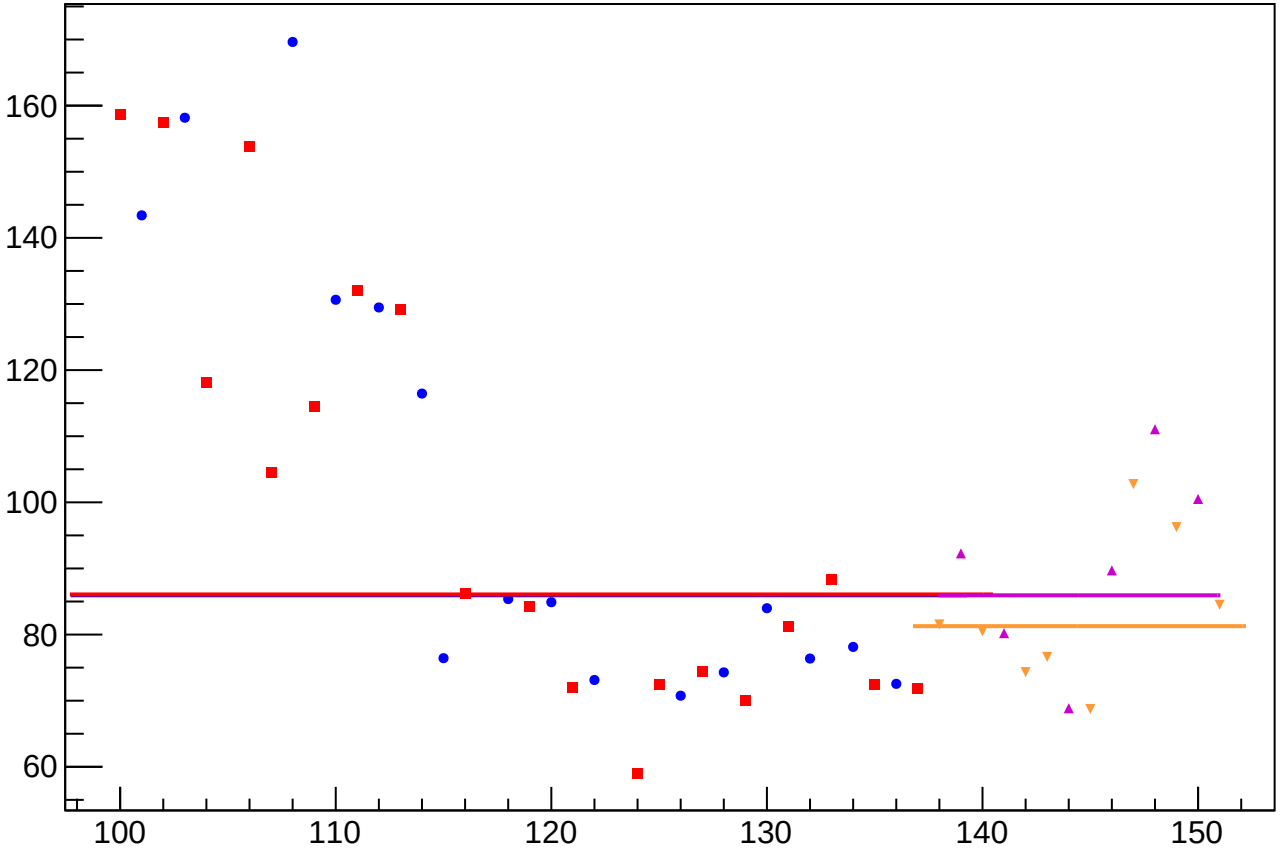
Left In: 0.054+/-0.038 χ^2/NDF:8.2/5

+ sign -0.018+/-0.023 χ^2/NDF: 24.2/23

All: 0.009+/-0.017 χ^2/NDF: 53.6/48

- sign 0.040+/-0.025 χ^2/NDF: 26.6/24

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 81.275+/-0.023 χ^2/NDF:182066.9/7

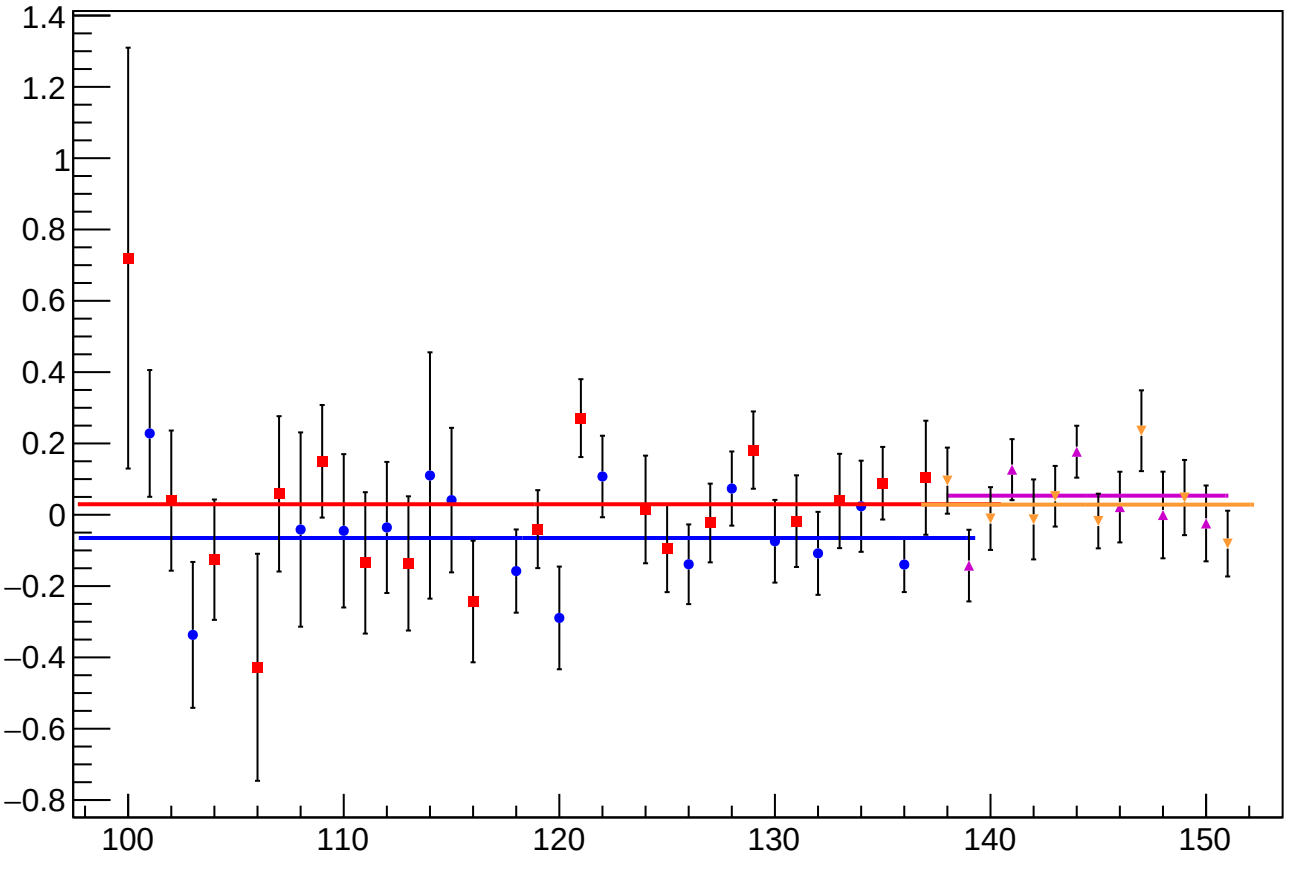
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 85.939+/-0.027 χ^2/NDF:253037.7/5

+ sign 83.587+/-0.017 χ^2/NDF: 1236884.6/23

All: 84.723+/-0.012 χ^2/NDF: 2491350.1/48

- sign 86.015+/-0.018 χ^2/NDF: 1244416.5/24



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.028+/-0.033 χ^2/NDF:6.1/7

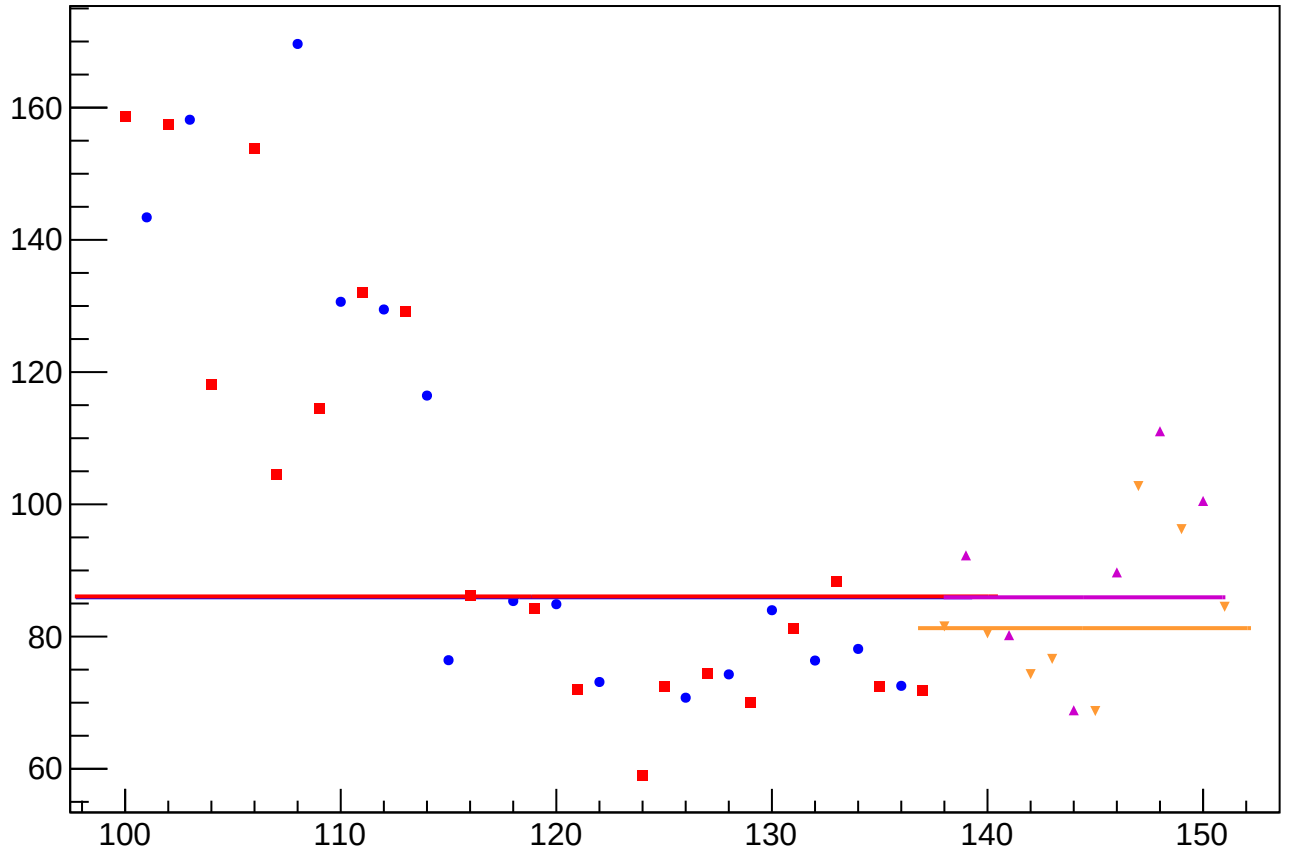
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.054+/-0.038 χ^2/NDF:8.2/5

+ sign -0.018+/-0.023 χ^2/NDF: 24.2/23

All: 0.009+/-0.017 χ^2/NDF: 53.6/48

- sign 0.040+/-0.025 χ^2/NDF: 26.6/24



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 81.275+/-0.023 χ^2/NDF:182066.9/7

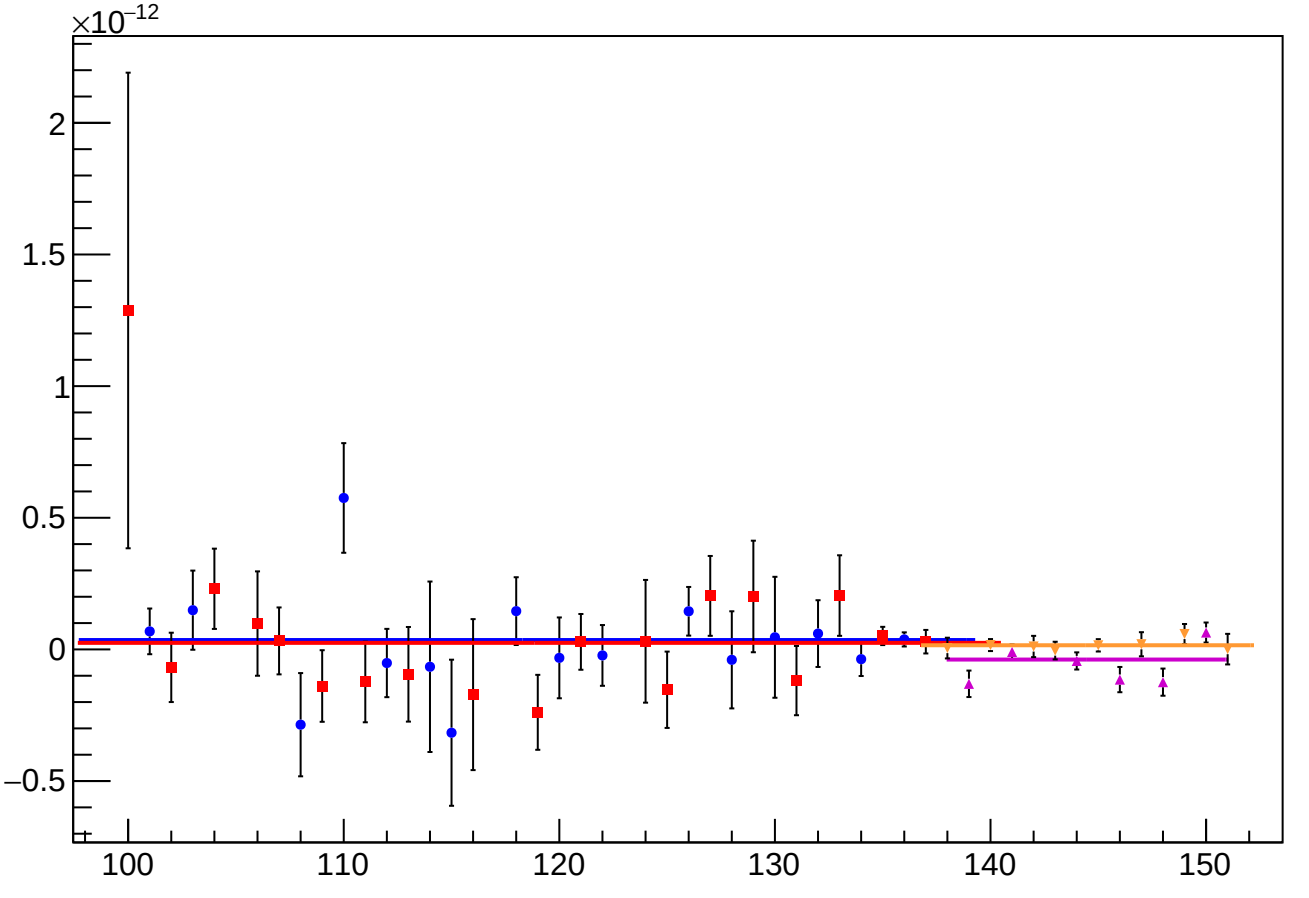
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 85.939+/-0.027 χ^2/NDF:253037.7/5

+ sign 83.587+/-0.017 χ^2/NDF: 1236884.6/23

All: 84.723+/-0.012 χ^2/NDF: 2491350.1/48

- sign 86.015+/-0.018 χ^2/NDF: 1244416.5/24



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.8/7

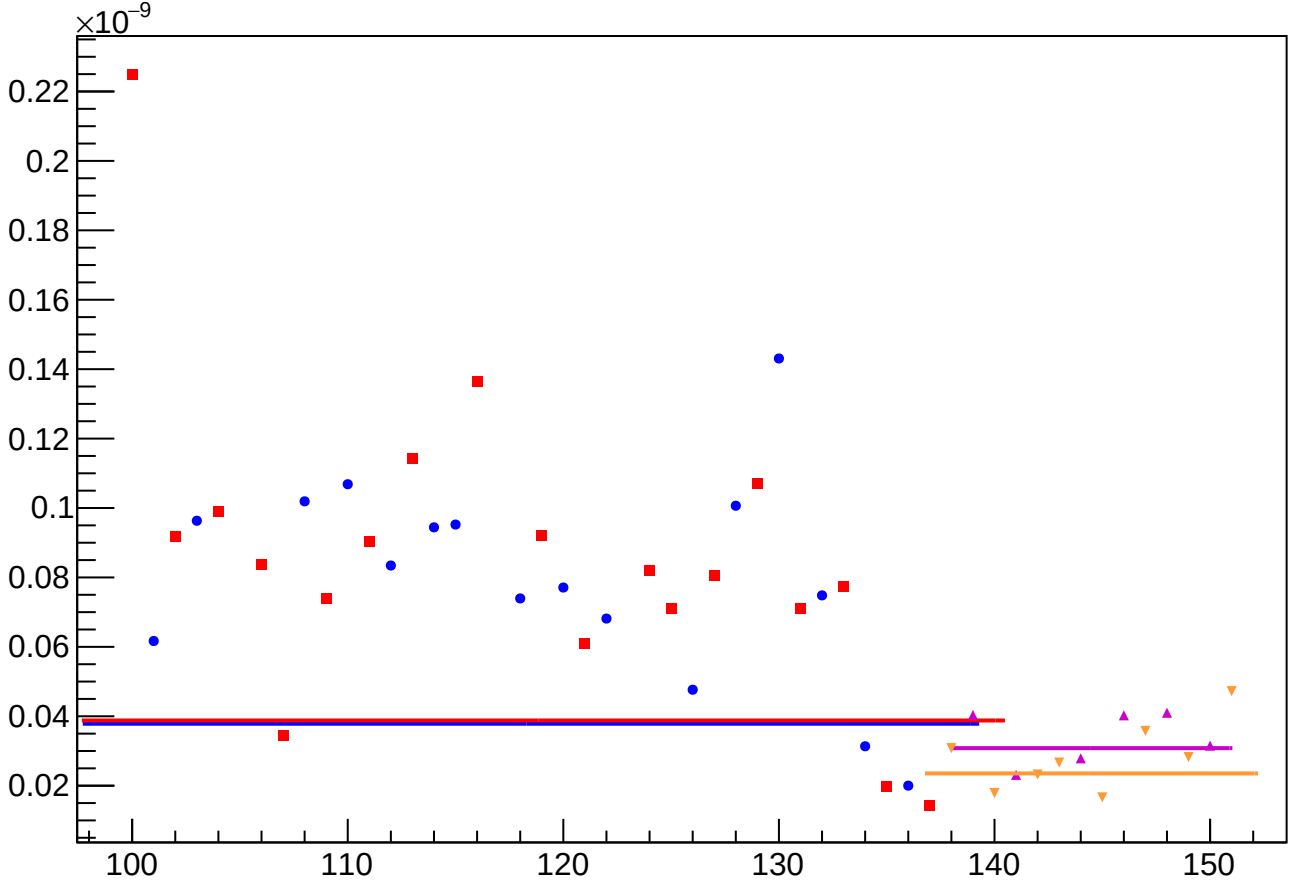
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: -0.000+/-0.000 χ^2/NDF:17.0/5

+ sign 0.000+/-0.000 χ^2/NDF: 18.8/23

All: 0.000+/-0.000 χ^2/NDF: 64.6/48

- sign -0.000+/-0.000 χ^2/NDF: 40.4/24



Right In: 0.000+/-0.000 χ^2/NDF: 3456922.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:889315.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 4121603.1/18

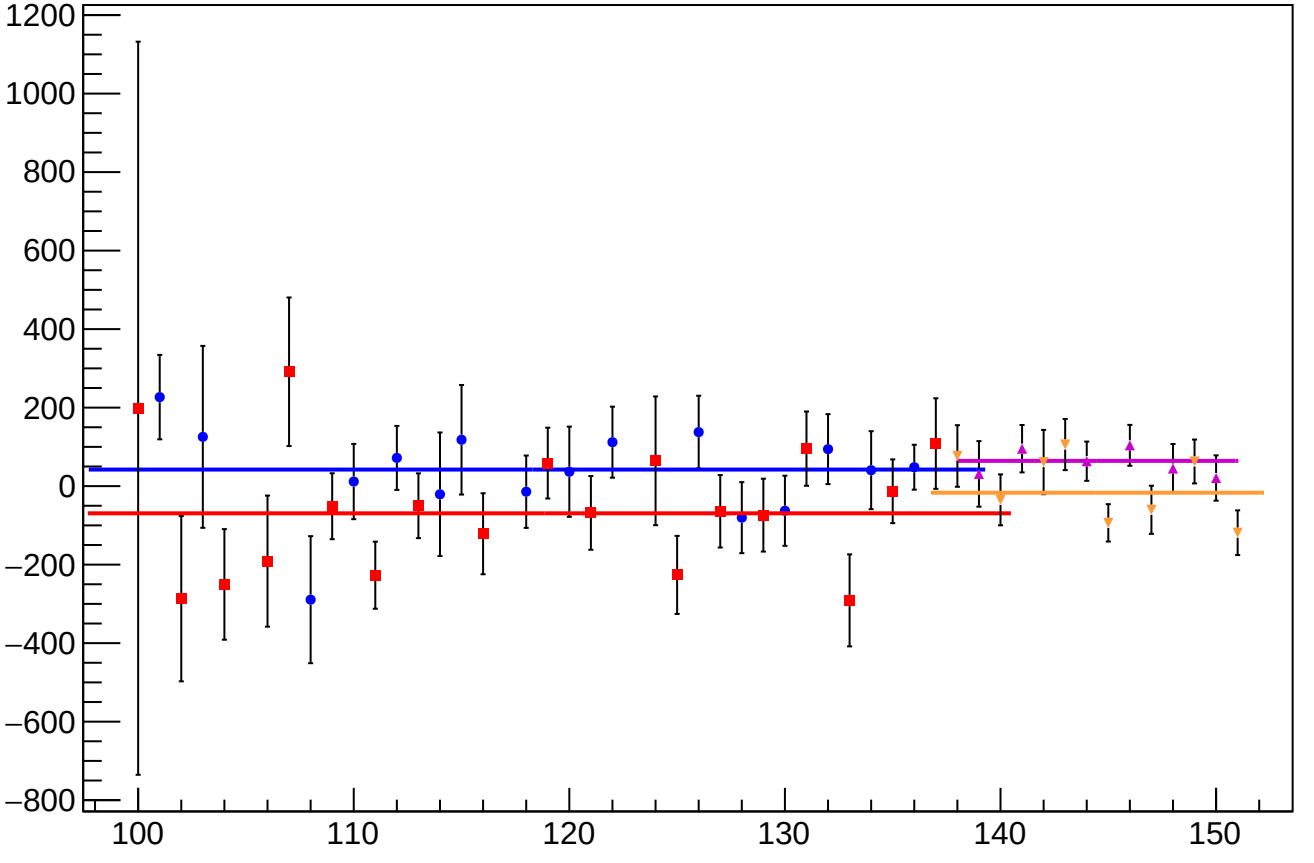
Left In: 0.000+/-0.000 χ^2/NDF:391054.0/5

+ sign 0.000+/-0.000 χ^2/NDF: 5076038.9/23

All: 0.000+/-0.000 χ^2/NDF: 10074065.7/48

- sign 0.000+/-0.000 χ^2/NDF: 4684668.8/24

reg_asym_sam_37_dd_mean vs Slug



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: -16.757+/-21.717 χ^2/NDF:14.3/7

Right Out: -69.249+/-24.418 χ^2/NDF: 25.4/18

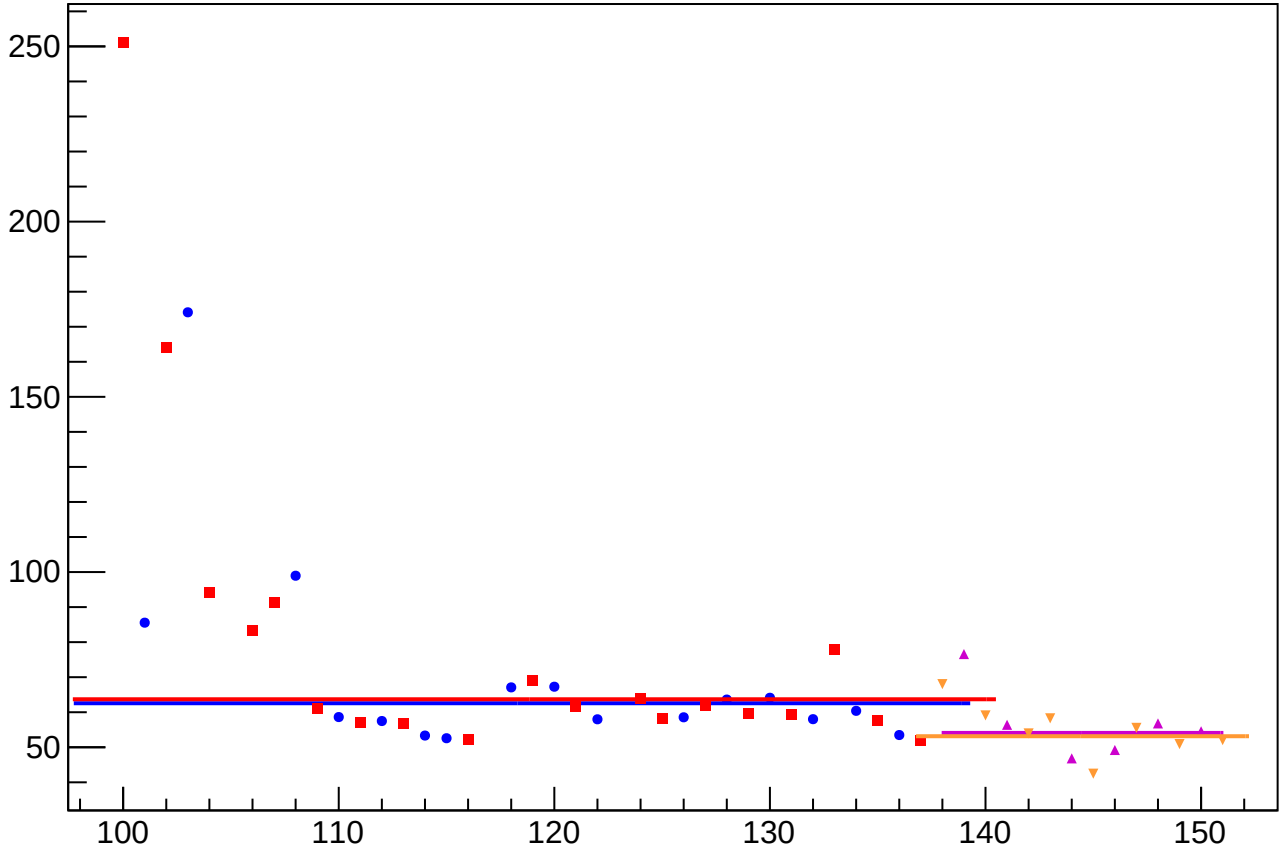
Left In: 64.318+/-23.944 χ^2/NDF:1.7/5

\+ sign 9.542+/-16.165 χ^2/NDF: 31.1/23

All: 4.492+/-11.746 χ^2/NDF: 73.6/48

\- sign -1.156+/-17.096 χ^2/NDF: 42.3/24

reg_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 53.153+/-0.015 χ^2/NDF:208943.0/7

Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

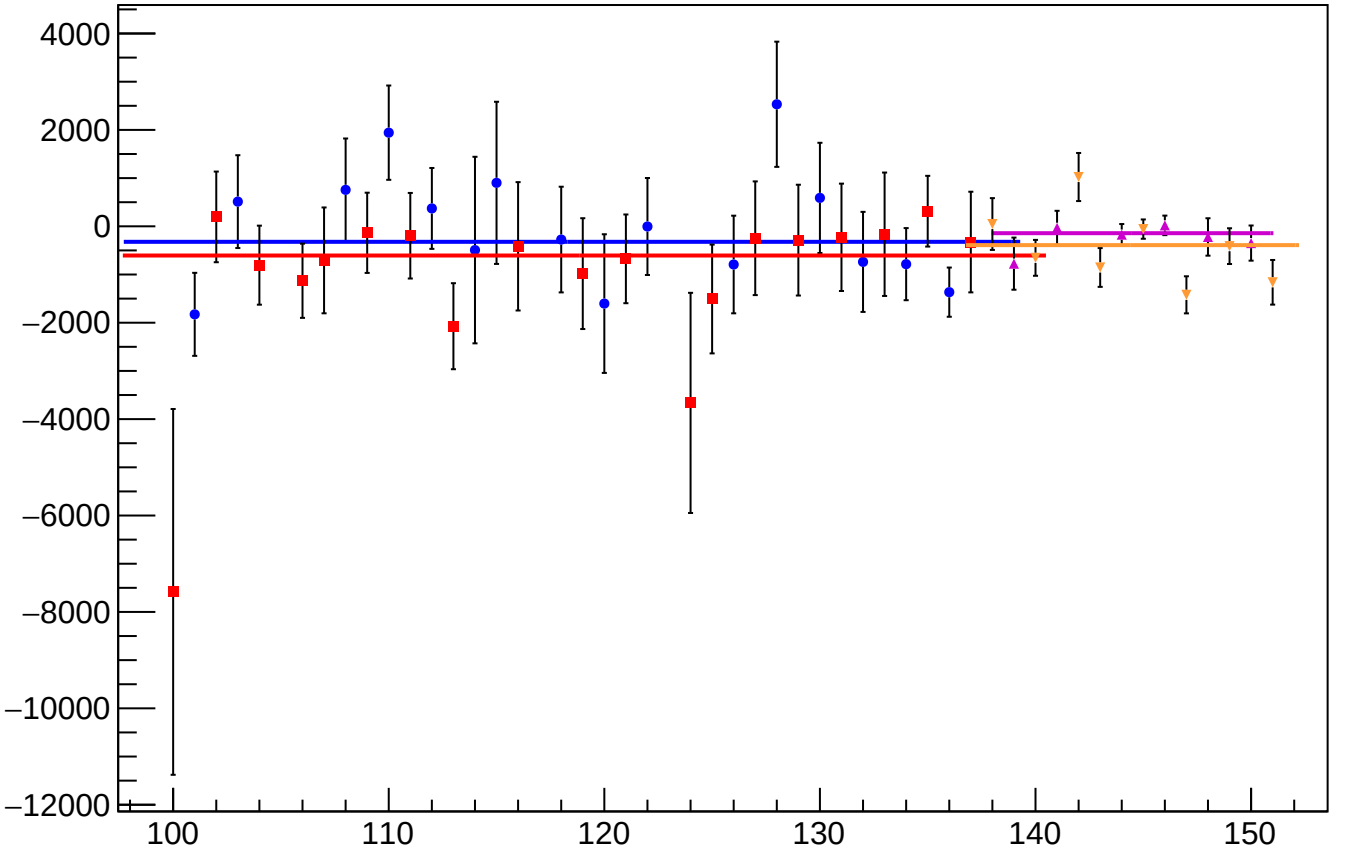
Left In: 54.093+/-0.017 χ^2/NDF:211849.6/5

+ sign 57.351+/-0.011 χ^2/NDF: 1135077.5/23

All: 58.036+/-0.008 χ^2/NDF: 2346507.9/48

- sign 58.802+/-0.012 χ^2/NDF: 1203817.3/24

asym_sam_37_dd_reg_correction_mean vs Slug



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -390.295+/-124.533 χ^2/NDF:23.2/7

Right Out: -605.859+/-233.643 χ^2/NDF: 12.5/18

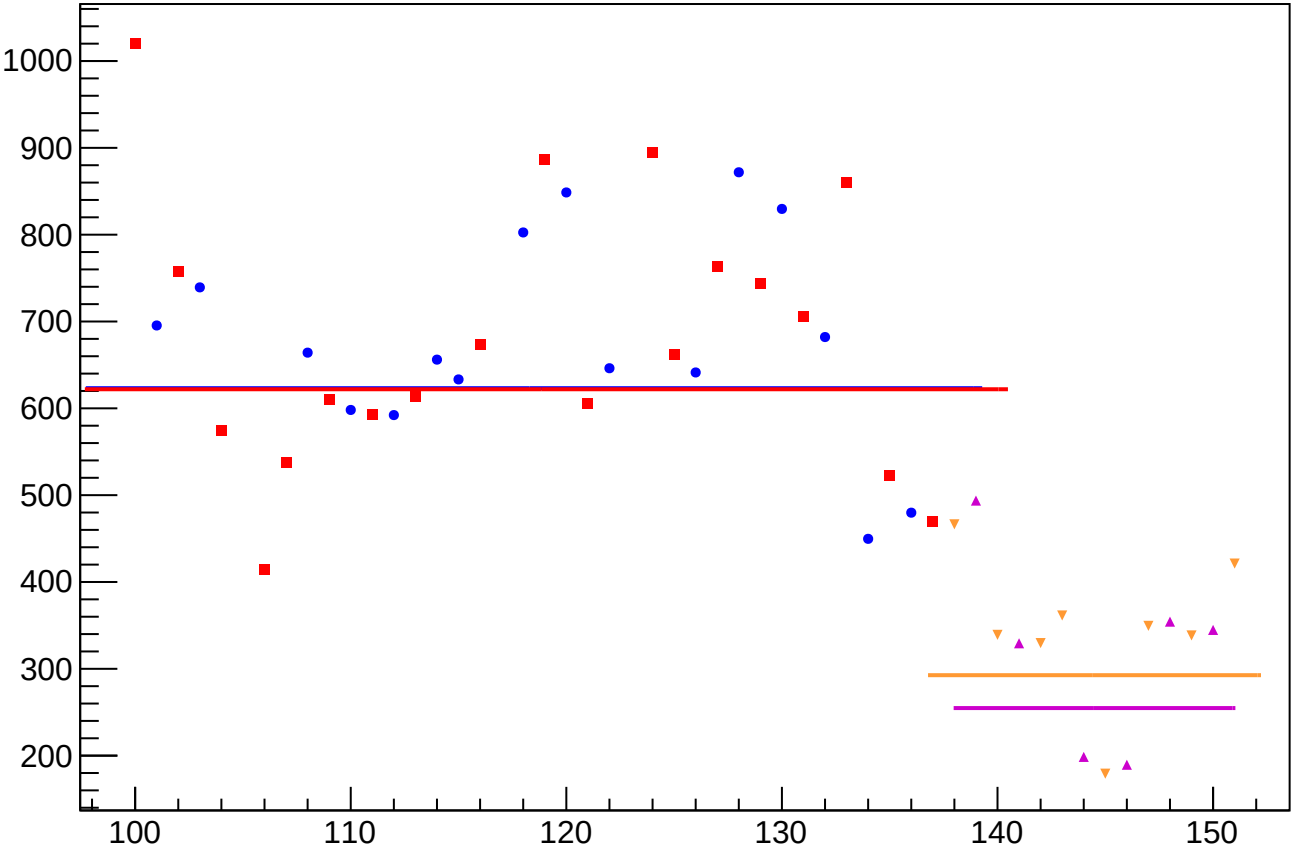
Left In: -142.598+/-118.906 χ^2/NDF:2.5/5

+ sign -375.590+/-110.388 χ^2/NDF: 46.0/23

All: -303.935+/-76.447 χ^2/NDF: 64.9/48

- sign -237.900+/-105.972 χ^2/NDF: 18.1/24

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 292.657+/-0.088 χ^2/NDF:1179183.6/7

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

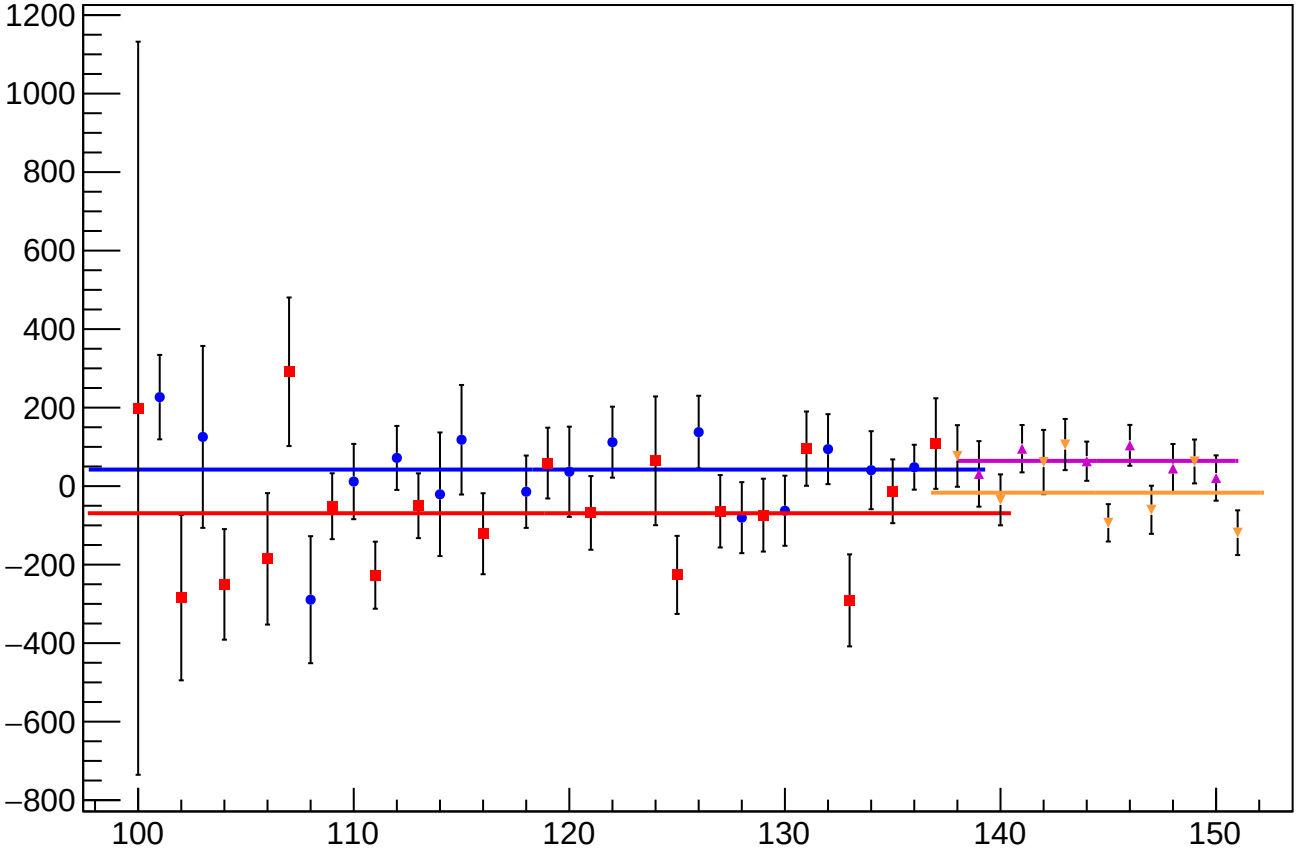
Left In: 254.791+/-0.084 χ^2/NDF:1072504.4/5

+ sign 363.474+/-0.078 χ^2/NDF: 4763295.2/23

All: 346.225+/-0.054 χ^2/NDF: 10435662.7/48

- sign 330.328+/-0.075 χ^2/NDF: 5578524.2/24

cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -16.754+/-21.717 χ^2/NDF:14.3/7

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

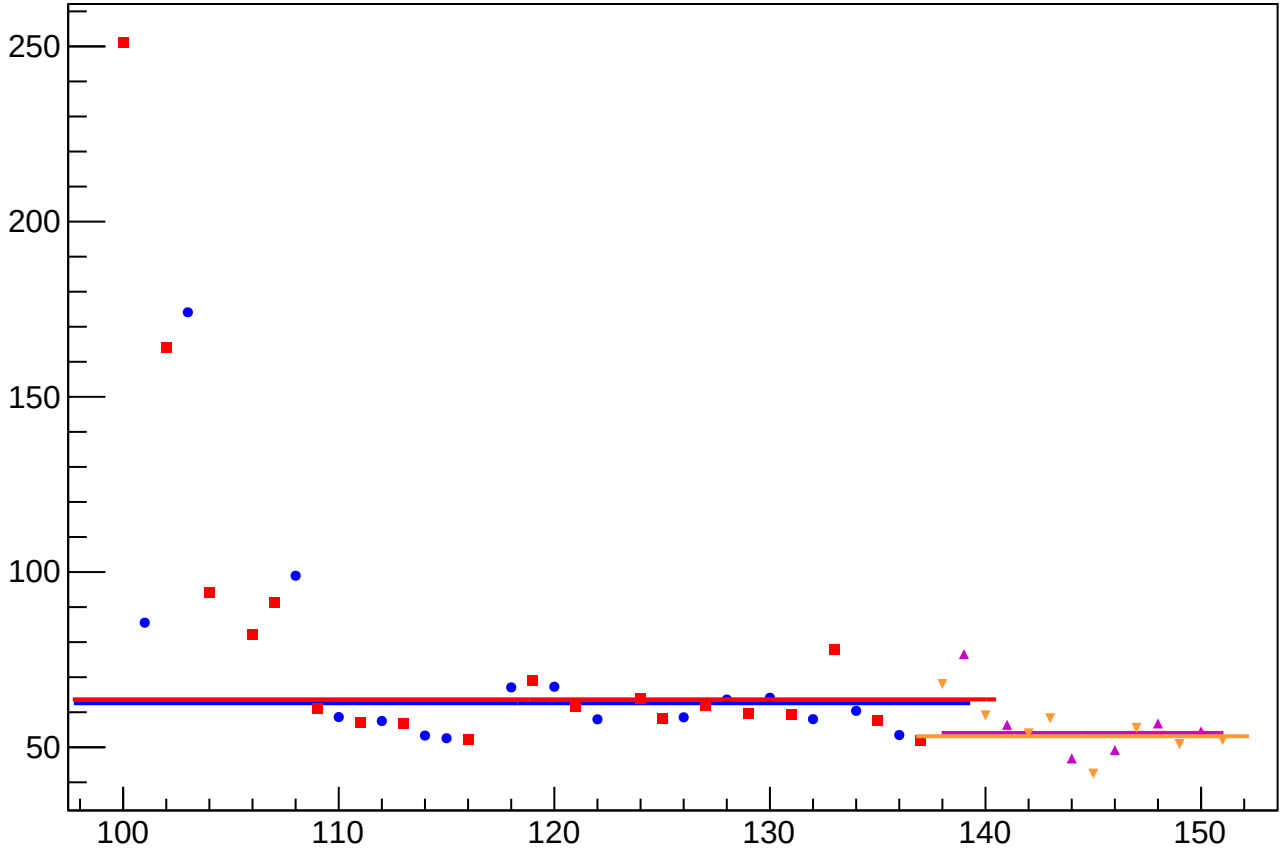
Left In: 64.317+/-23.944 χ^2/NDF:1.7/5

\+ sign 9.541+/-16.165 χ^2/NDF: 31.1/23

All: 4.535+/-11.746 χ^2/NDF: 73.5/48

\- sign -1.064+/-17.097 χ^2/NDF: 42.2/24

cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 53.153+/-0.015 χ^2/NDF:208943.0/7

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

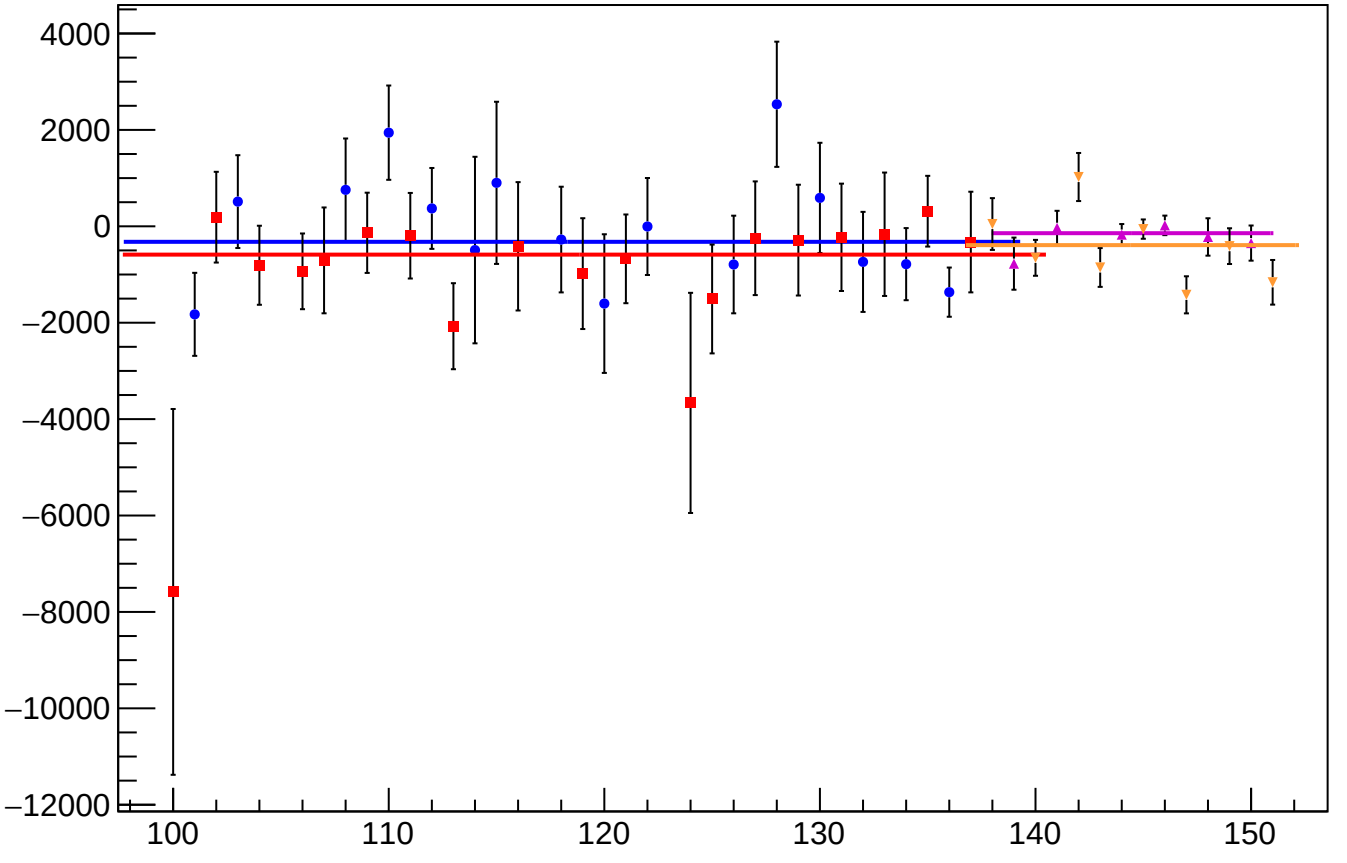
Left In: 54.093+/-0.017 χ^2/NDF:211849.6/5

+ sign 57.351+/-0.011 χ^2/NDF: 1135079.6/23

All: 58.030+/-0.008 χ^2/NDF: 2342833.6/48

- sign 58.790+/-0.012 χ^2/NDF: 1200267.9/24

asym_sam_37_dd_cor_correction_mean vs Slug



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -390.292+/-124.533 χ^2/NDF:23.2/7

Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

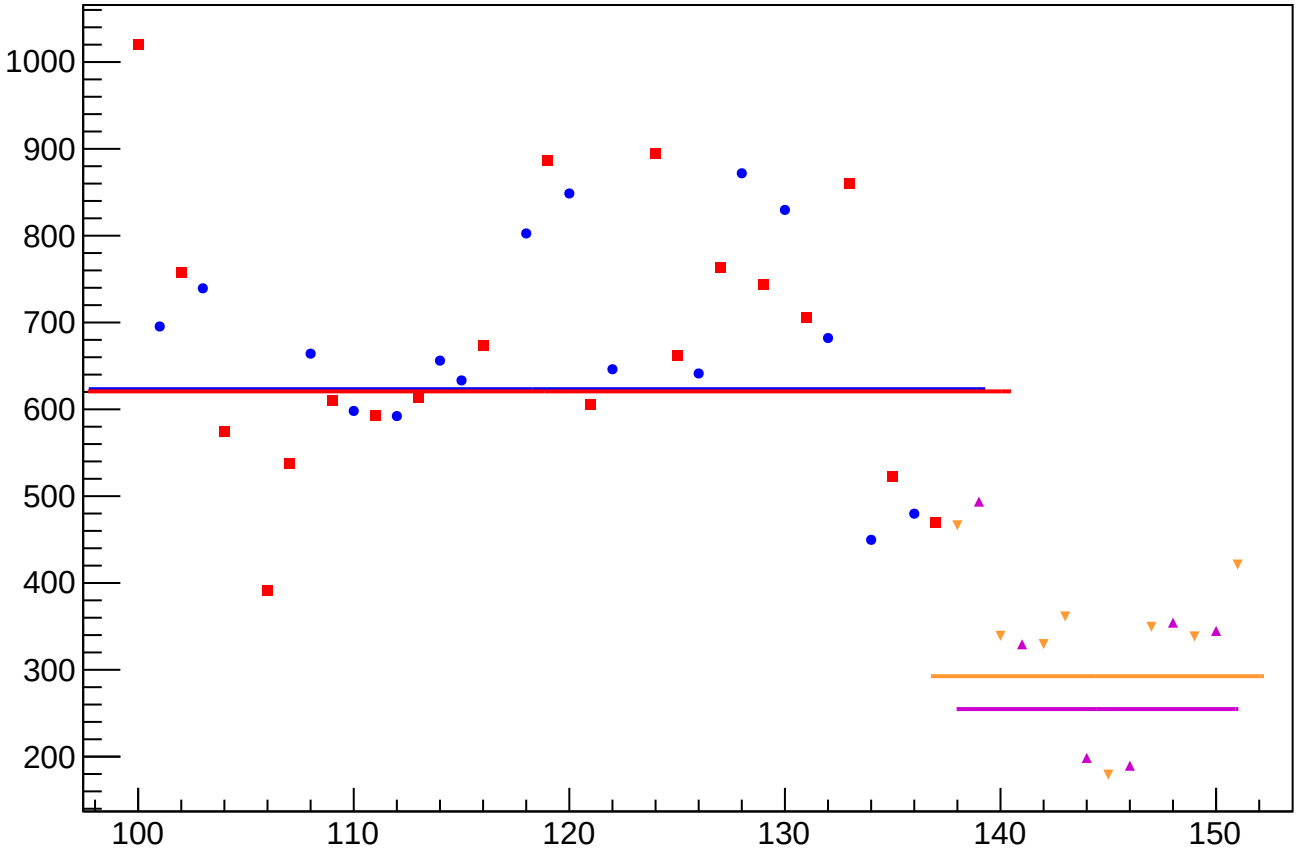
Left In: -142.603+/-118.906 χ^2/NDF:2.5/5

+ sign -375.588+/-110.388 χ^2/NDF: 46.0/23

All: -301.827+/-76.462 χ^2/NDF: 64.4/48

- sign -233.799+/-106.012 χ^2/NDF: 17.5/24

asym_sam_37_dd_cor_correction_rms vs Slug



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 292.657+/-0.088 χ^2/NDF:1179189.3/7

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

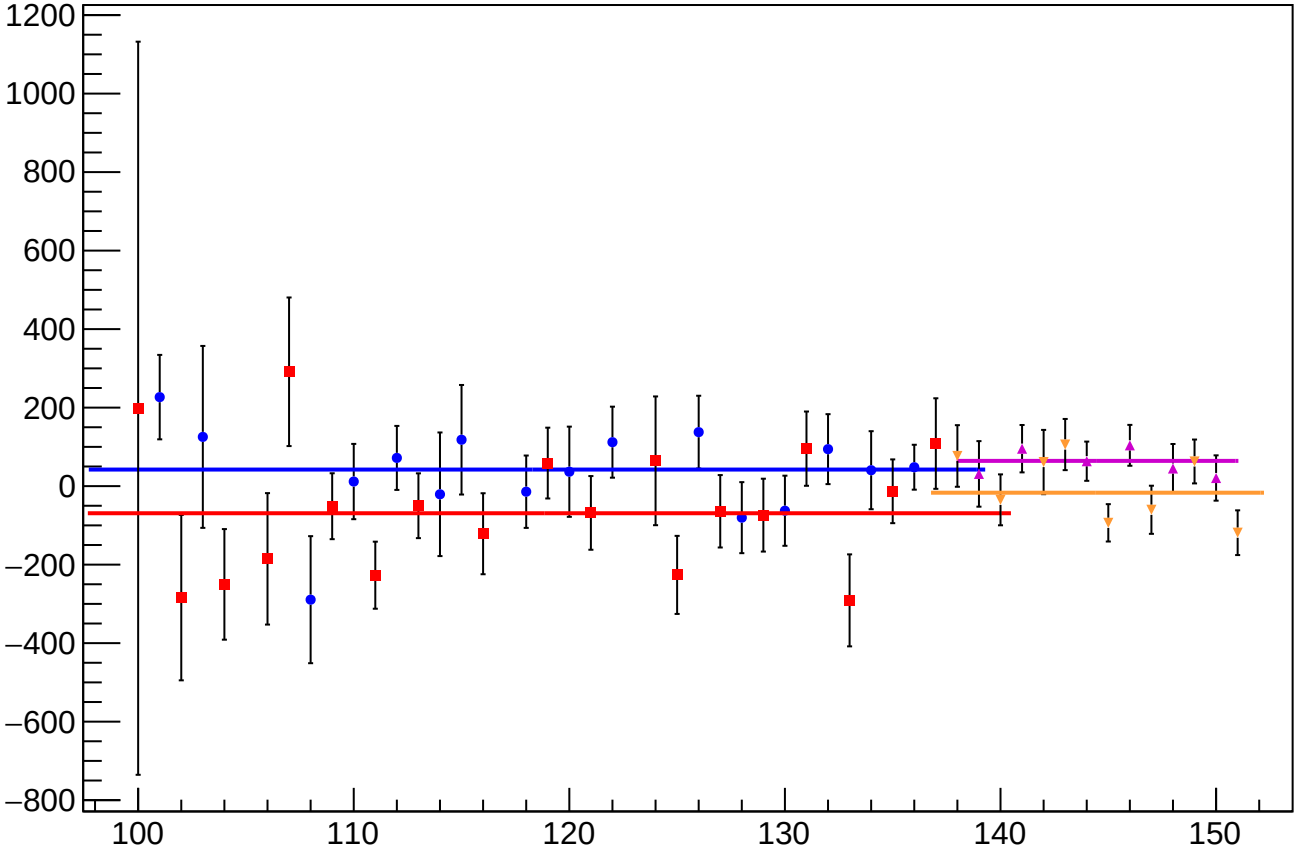
Left In: 254.790+/-0.084 χ^2/NDF:1072509.7/5

+ sign 363.474+/-0.078 χ^2/NDF: 4763364.7/23

All: 345.975+/-0.054 χ^2/NDF: 10427121.5/48

- sign 329.836+/-0.075 χ^2/NDF: 5567150.0/24

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -16.754+/-21.717 χ^2/NDF:14.3/7

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

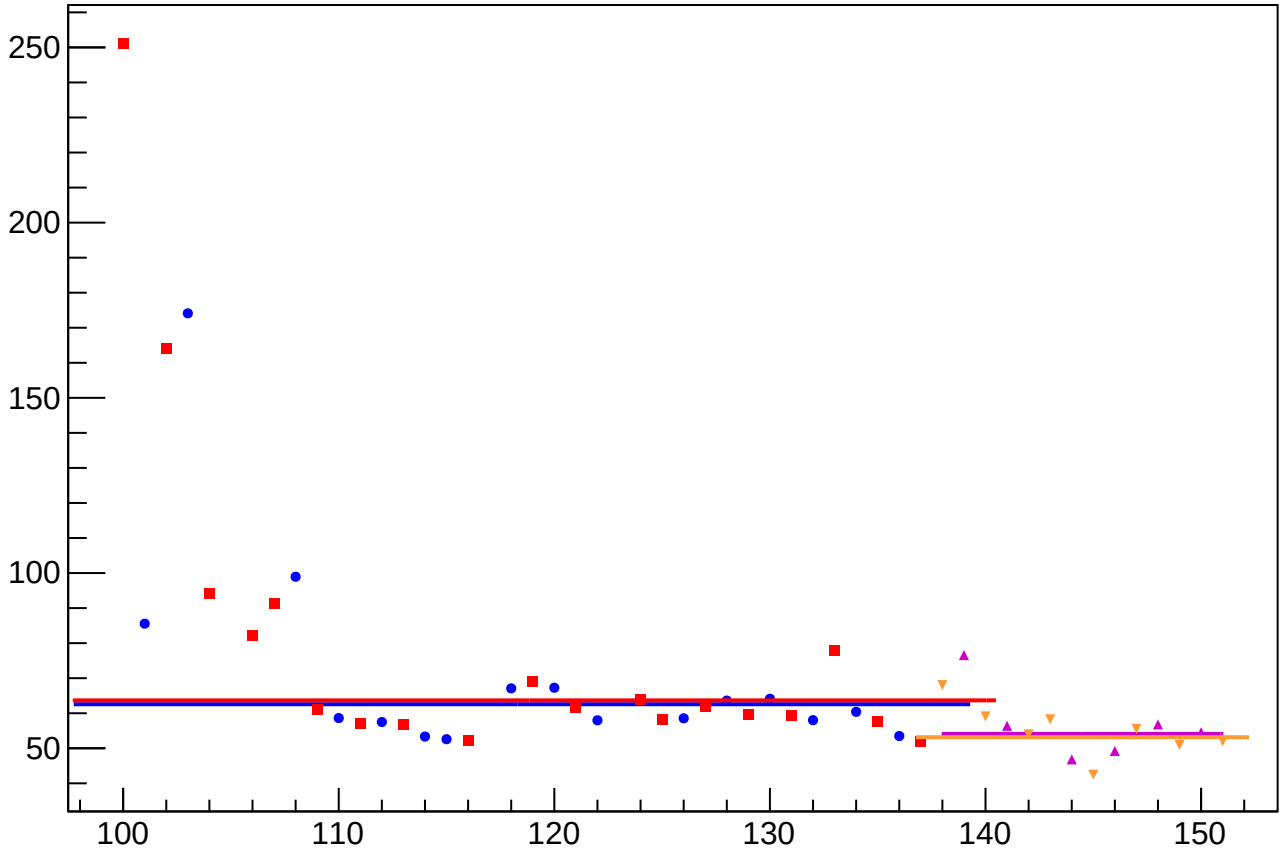
Left In: 64.317+/-23.944 χ^2/NDF:1.7/5

\+ sign 9.541+/-16.165 χ^2/NDF: 31.1/23

All: 4.535+/-11.746 χ^2/NDF: 73.5/48

\- sign -1.064+/-17.097 χ^2/NDF: 42.2/24

eigen_cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 53.153+/-0.015 χ^2/NDF:208943.0/7

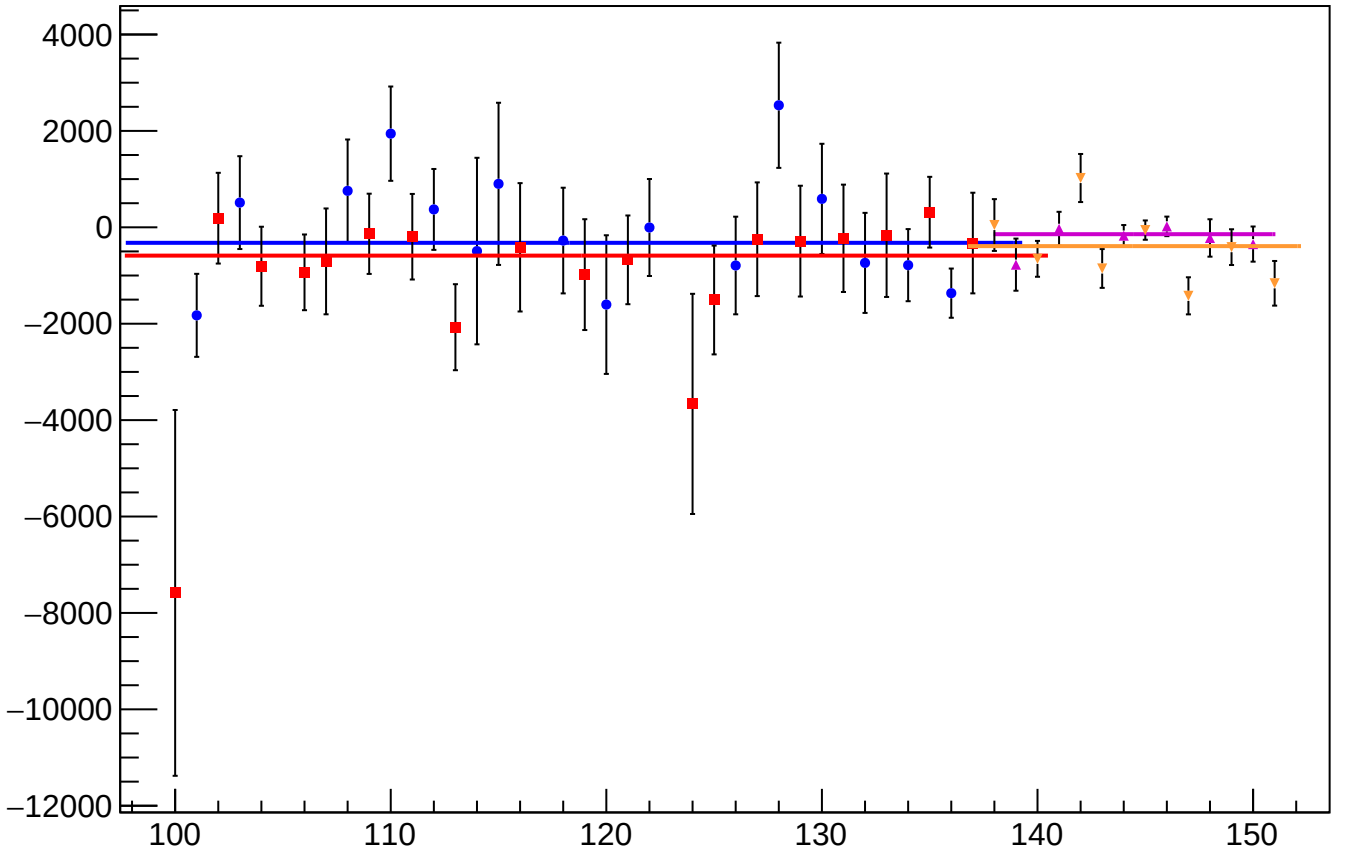
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 54.093+/-0.017 χ^2/NDF:211849.6/5

+ sign 57.351+/-0.011 χ^2/NDF: 1135079.6/23

All: 58.030+/-0.008 χ^2/NDF: 2342833.6/48

- sign 58.790+/-0.012 χ^2/NDF: 1200267.9/24



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -390.292+/-124.533 χ^2/NDF:23.2/7

Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

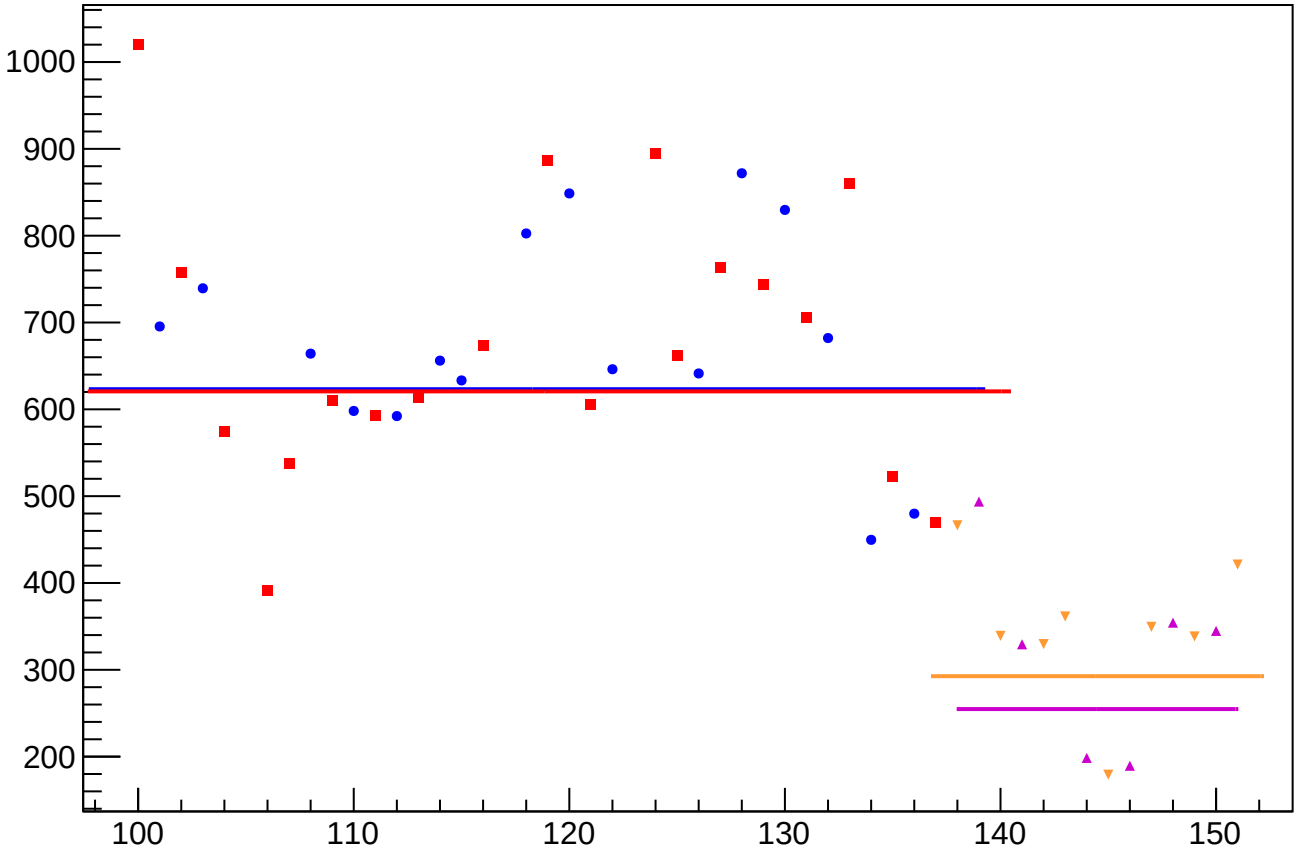
Left In: -142.603+/-118.906 χ^2/NDF:2.5/5

+ sign -375.588+/-110.388 χ^2/NDF: 46.0/23

All: -301.827+/-76.462 χ^2/NDF: 64.4/48

- sign -233.799+/-106.012 χ^2/NDF: 17.5/24

asym_sam_37_dd_eigen_cor_correction_rms vs Slug



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 292.657+/-0.088 χ^2/NDF:1179189.3/7

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

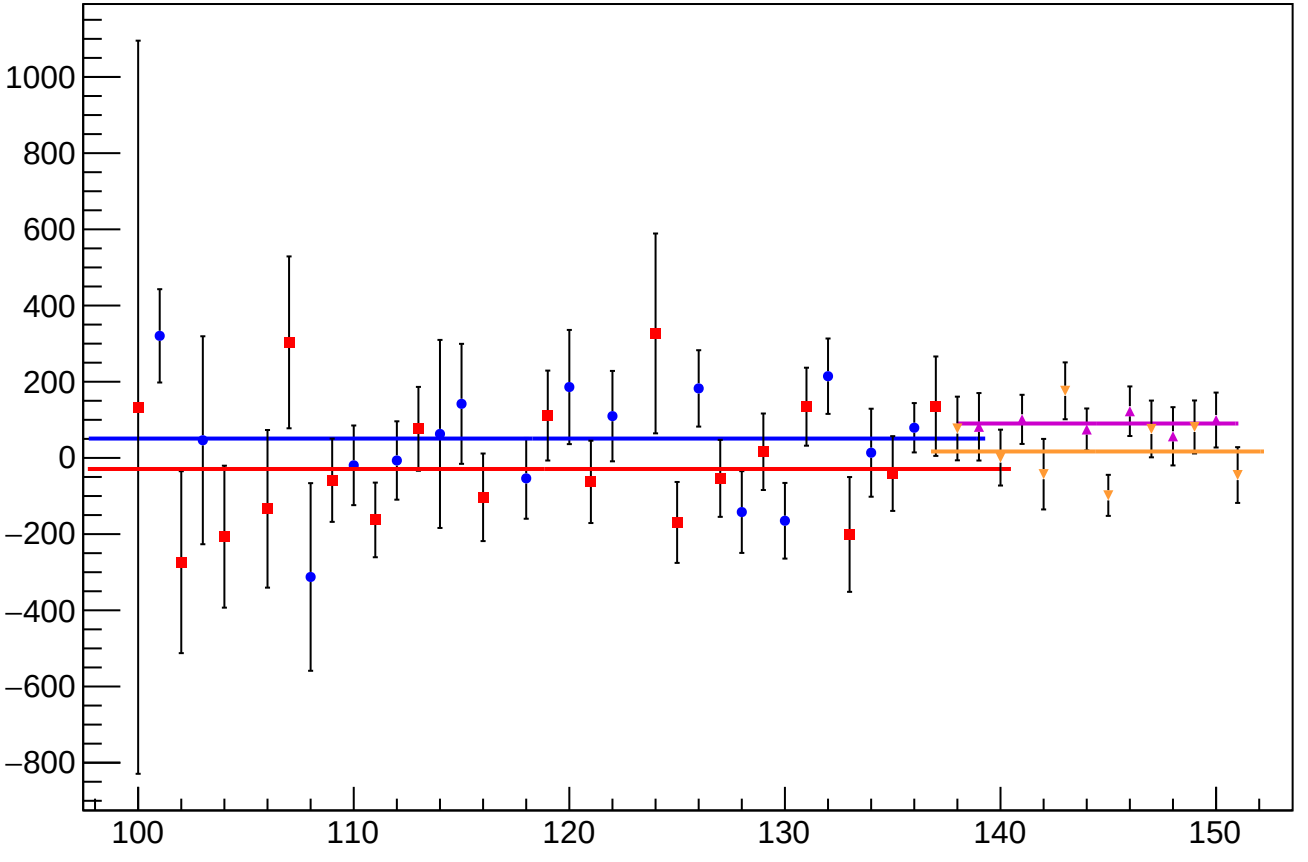
Left In: 254.790+/-0.084 χ^2/NDF:1072509.7/5

+ sign 363.474+/-0.078 χ^2/NDF: 4763364.7/23

All: 345.975+/-0.054 χ^2/NDF: 10427121.5/48

- sign 329.836+/-0.075 χ^2/NDF: 5567150.0/24

dit_asym_sam_37_dd_mean vs Slug



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: 16.937+/-25.452 χ^2/NDF:12.3/7

Right Out: -29.040+/-28.910 χ^2/NDF: 18.5/18

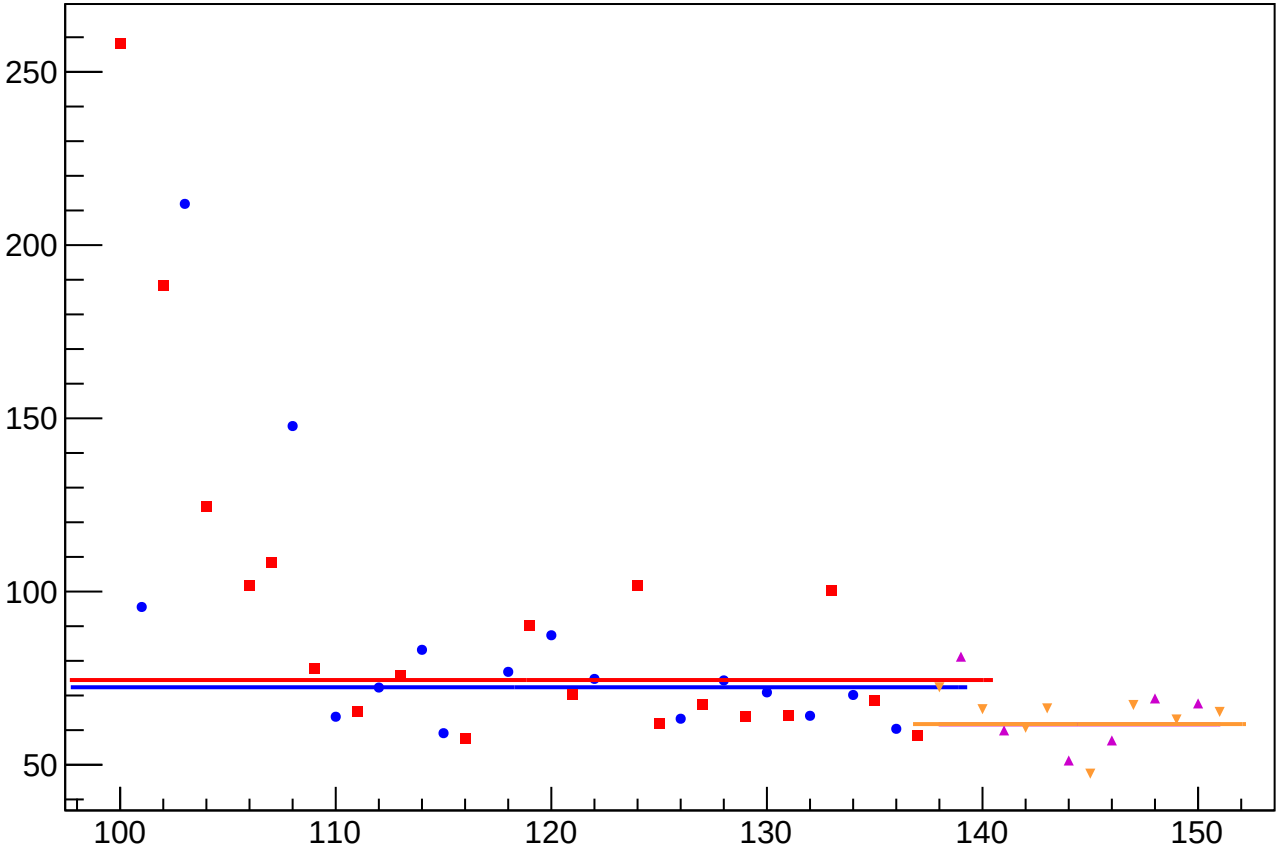
Left In: 90.331+/-27.770 χ^2/NDF:0.6/5

+ sign 32.088+/-18.929 χ^2/NDF: 36.0/23

All: 32.539+/-13.757 χ^2/NDF: 63.9/48

- sign 33.045+/-20.027 χ^2/NDF: 27.9/24

dit_asym_sam_37_dd_rms vs Slug



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 61.748+/-0.018 χ^2/NDF:204161.1/7

Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

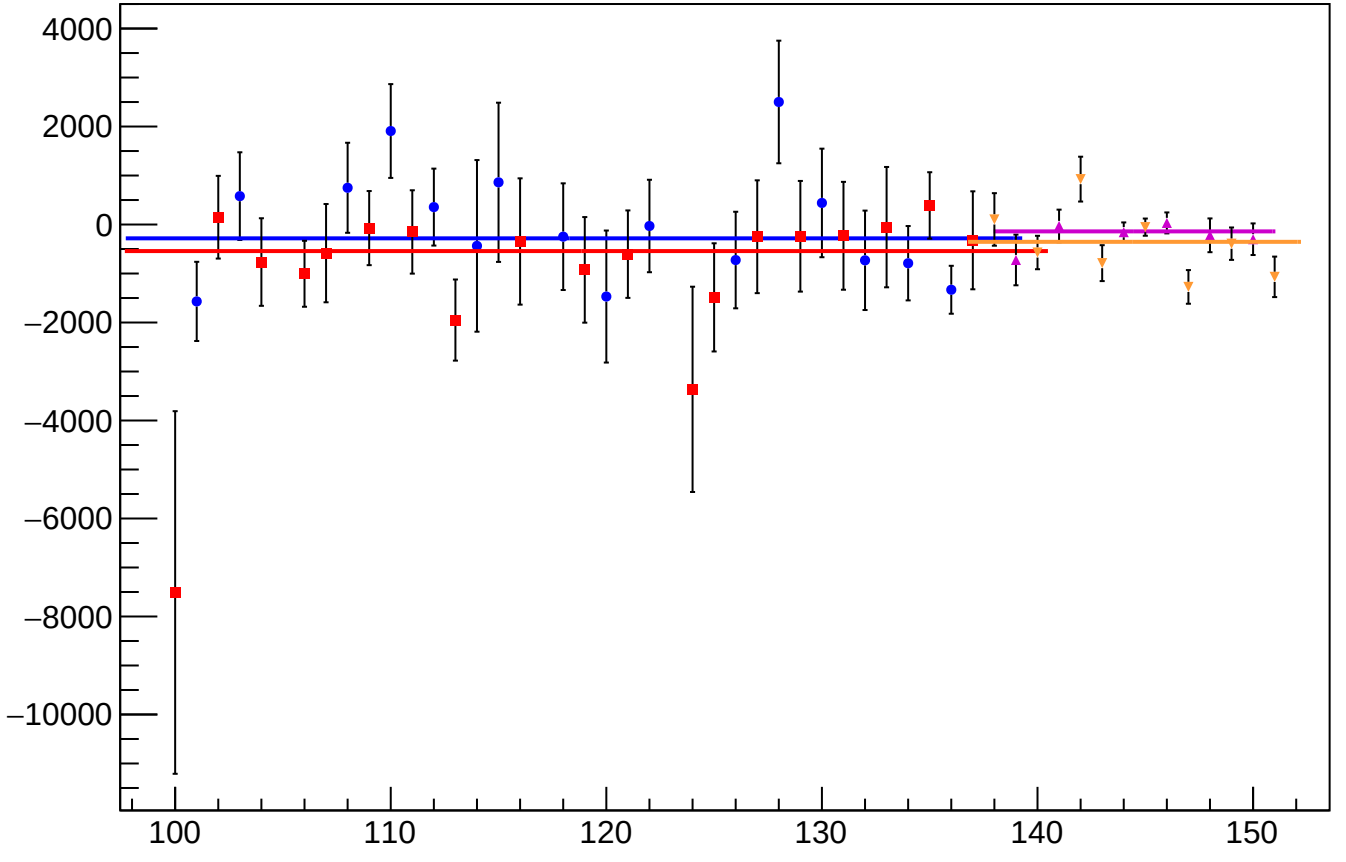
Left In: 61.663+/-0.020 χ^2/NDF:213798.2/5

+ sign 66.498+/-0.013 χ^2/NDF: 1298238.7/23

All: 67.115+/-0.010 χ^2/NDF: 2772769.2/48

- sign 67.806+/-0.014 χ^2/NDF: 1470025.8/24

asym_sam_37_dd_dit_correction_mean vs Slug



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -353.285+/-111.628 χ^2/NDF:23.5/7

Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

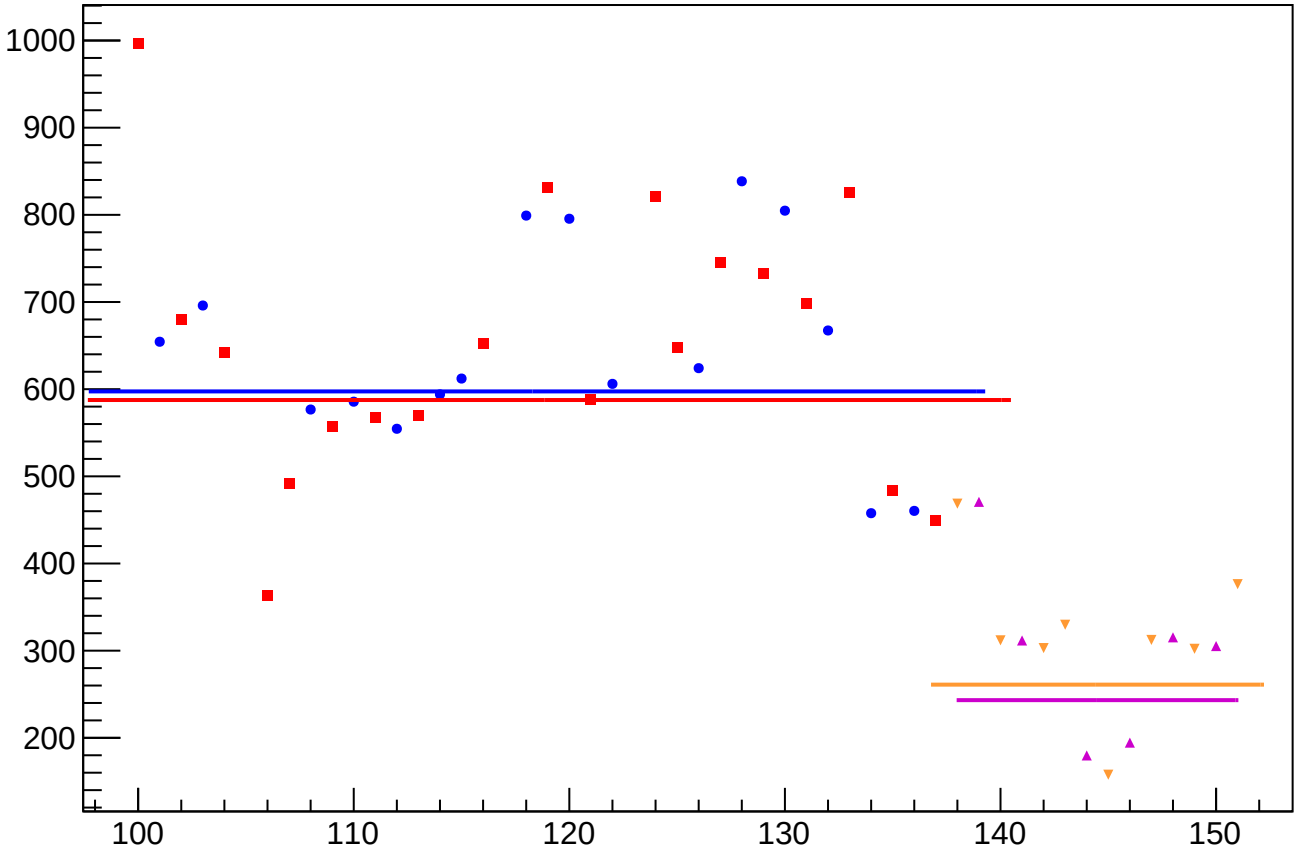
Left In: -140.177+/-113.228 χ^2/NDF:2.3/5

+ sign -339.488+/-100.239 χ^2/NDF: 46.3/23

All: -281.939+/-71.064 χ^2/NDF: 65.2/48

- sign -223.786+/-100.763 χ^2/NDF: 18.2/24

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 261.031+/-0.079 χ^2/NDF:1356183.5/7

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

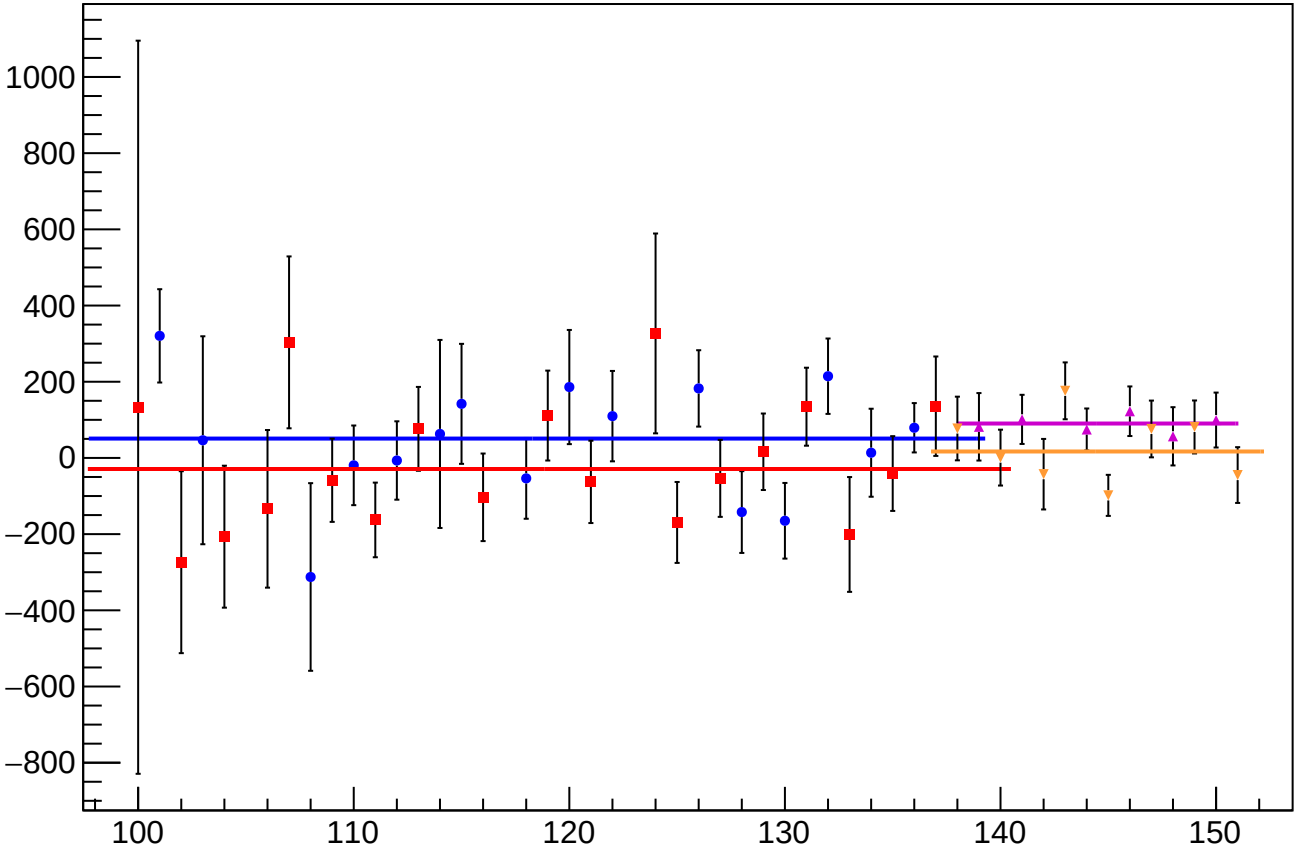
Left In: 243.240+/-0.080 χ^2/NDF:941122.9/5

\+ sign 326.174+/-0.071 χ^2/NDF: 5407371.9/23

All: 320.557+/-0.050 χ^2/NDF: 10898288.5/48

\- sign 314.881+/-0.071 χ^2/NDF: 5478290.4/24

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: 16.939+/-25.452 χ^2/NDF:12.3/7

Right Out: -29.038+/-28.910 χ^2/NDF: 18.5/18

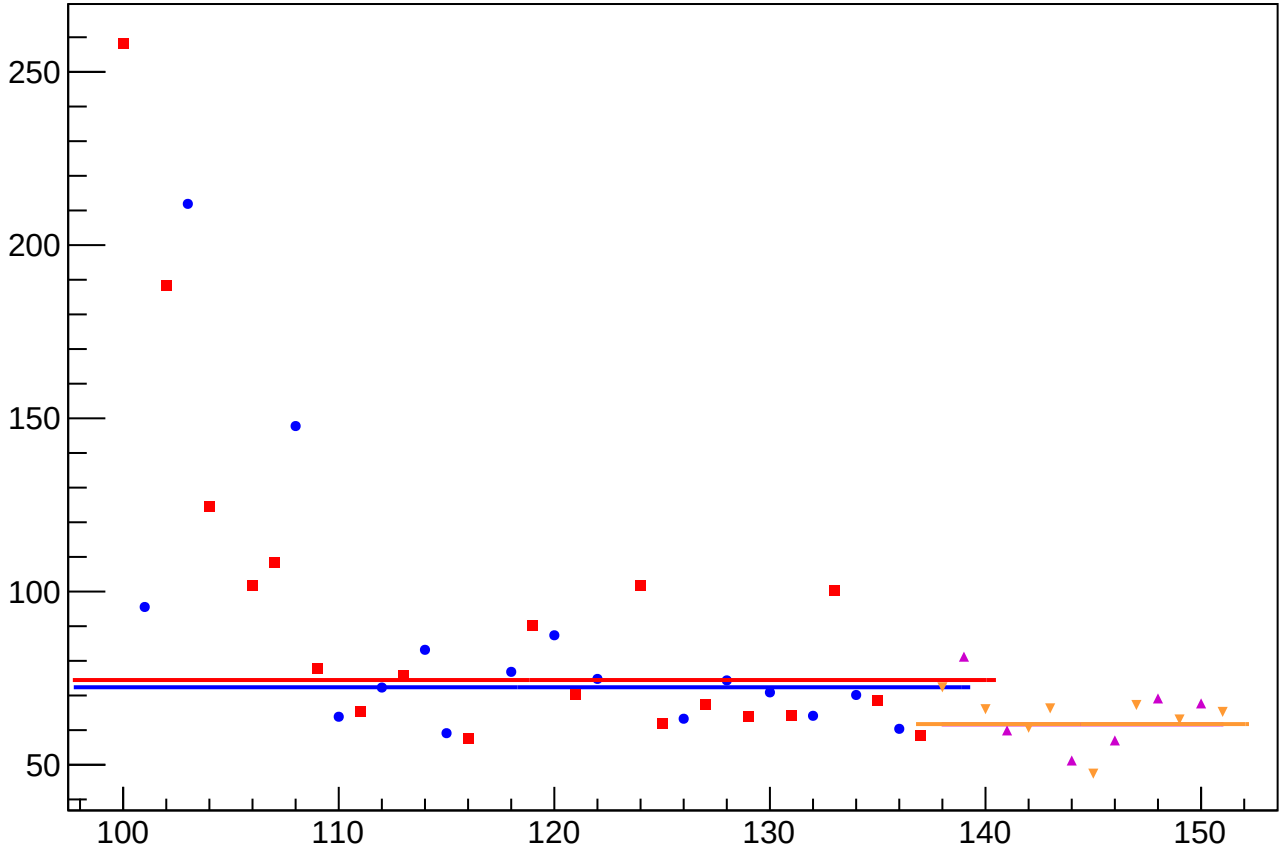
Left In: 90.330+/-27.770 χ^2/NDF:0.6/5

\+ sign 32.088+/-18.929 χ^2/NDF: 36.0/23

All: 32.540+/-13.757 χ^2/NDF: 63.9/48

\- sign 33.045+/-20.027 χ^2/NDF: 27.9/24

eigen_dit_asym_sam_37_dd_rms vs Slug



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 61.748+/-0.018 χ^2/NDF:204172.3/7

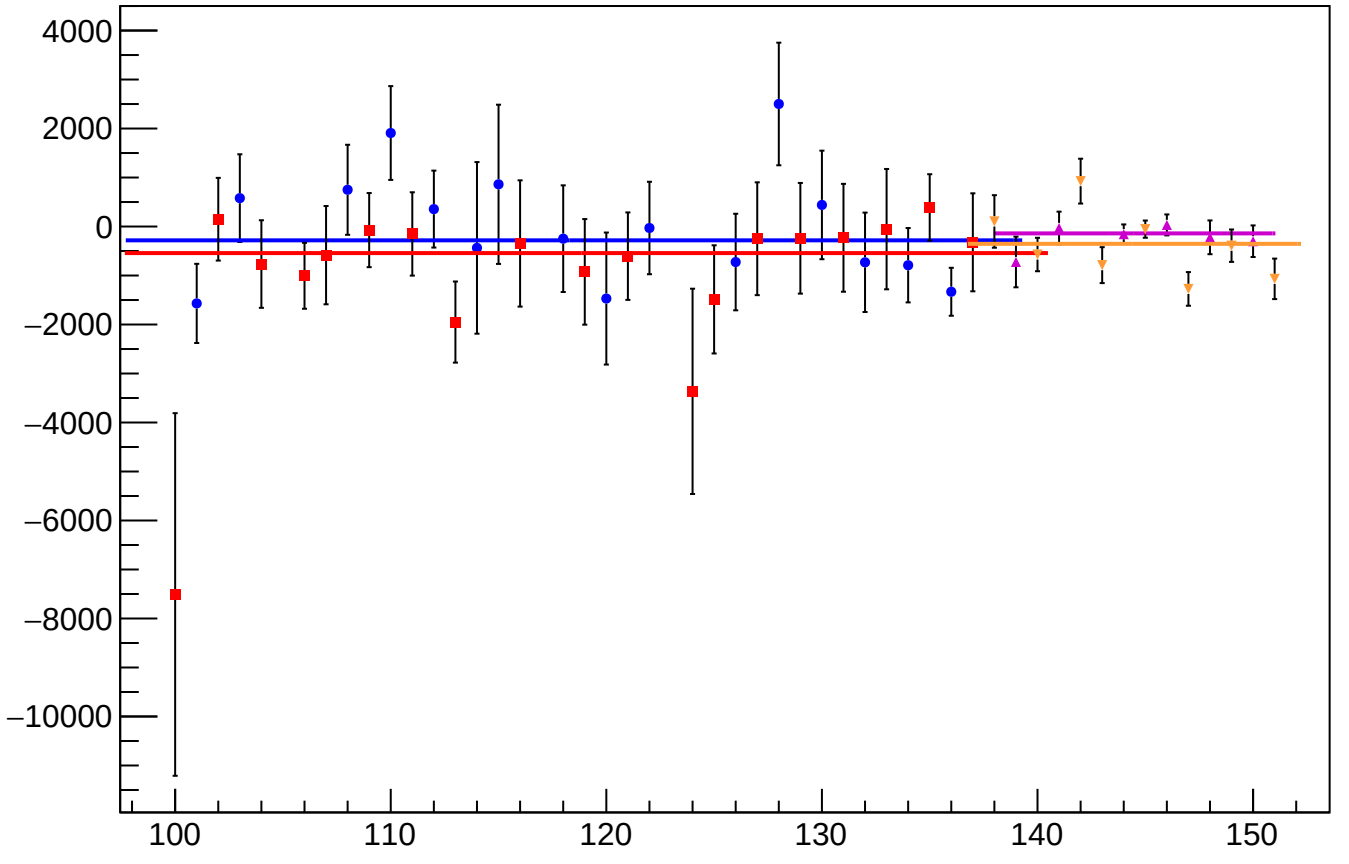
Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 61.663+/-0.020 χ^2/NDF:213803.4/5

+ sign 66.498+/-0.013 χ^2/NDF: 1298244.0/23

All: 67.115+/-0.010 χ^2/NDF: 2772769.8/48

- sign 67.806+/-0.014 χ^2/NDF: 1470021.7/24



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -353.285+/-111.628 χ^2/NDF:23.5/7

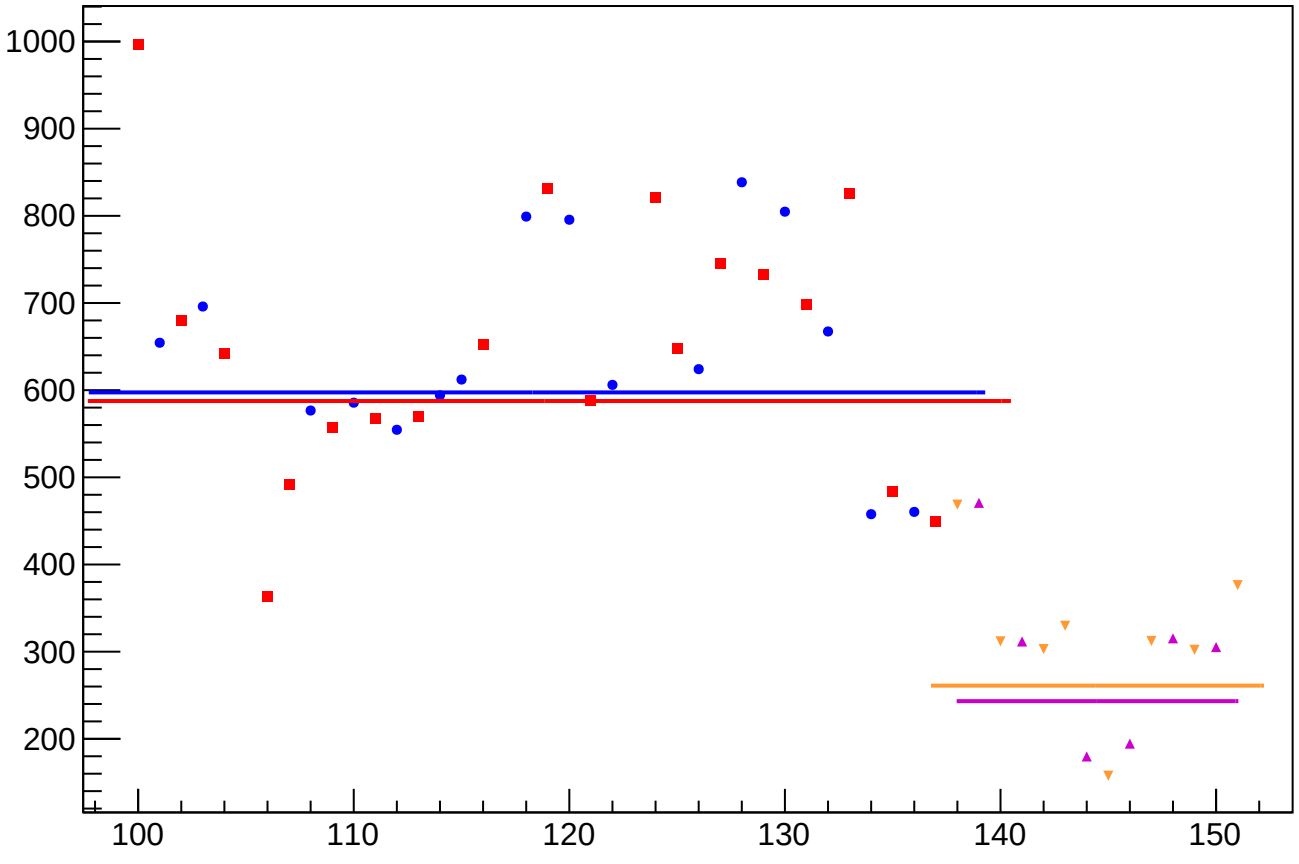
Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: -140.176+/-113.228 χ^2/NDF:2.3/5

+ sign -339.489+/-100.239 χ^2/NDF: 46.3/23

All: -281.939+/-71.064 χ^2/NDF: 65.2/48

- sign -223.786+/-100.763 χ^2/NDF: 18.2/24



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

Left Out: 261.030+/-0.079 χ^2/NDF:1356176.5/7

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

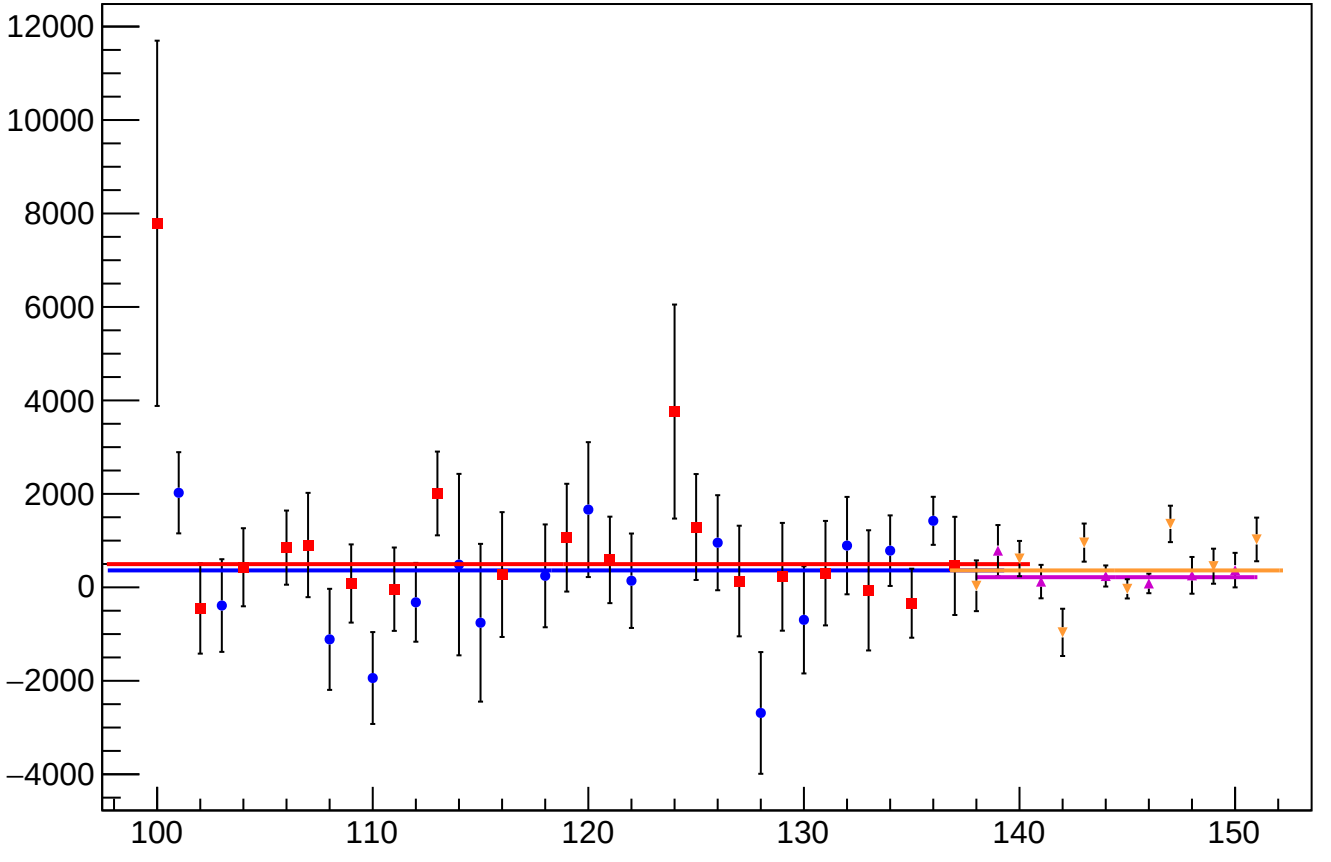
Left In: 243.240+/-0.080 χ^2/NDF:941121.1/5

+ sign 326.174+/-0.071 χ^2/NDF: 5407370.5/23

All: 320.557+/-0.050 χ^2/NDF: 10898285.4/48

- sign 314.881+/-0.071 χ^2/NDF: 5478288.6/24

asym_sam_37_dd_mean vs Slug



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 362.084+/-126.839 χ^2/NDF:22.1/7

Right Out: 496.639+/-236.029 χ^2/NDF: 12.7/18

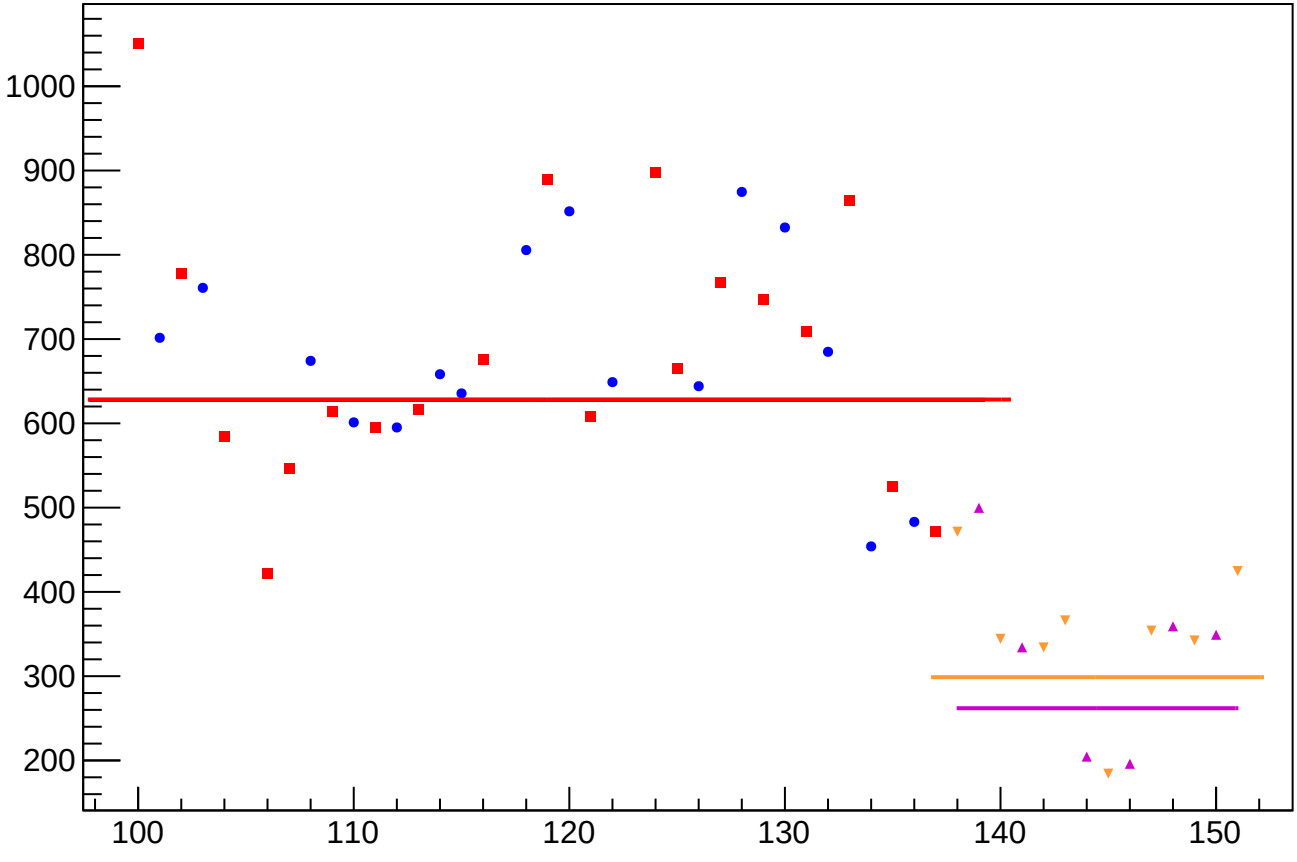
Left In: 217.204+/-121.846 χ^2/NDF:1.7/5

+ sign 362.149+/-112.172 χ^2/NDF: 47.1/23

All: 317.552+/-77.901 χ^2/NDF: 63.0/48

- sign 276.003+/-108.270 χ^2/NDF: 15.5/24

asym_sam_37_dd_rms vs Slug



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 298.803+/-0.090 χ^2/NDF:1125727.3/7

Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

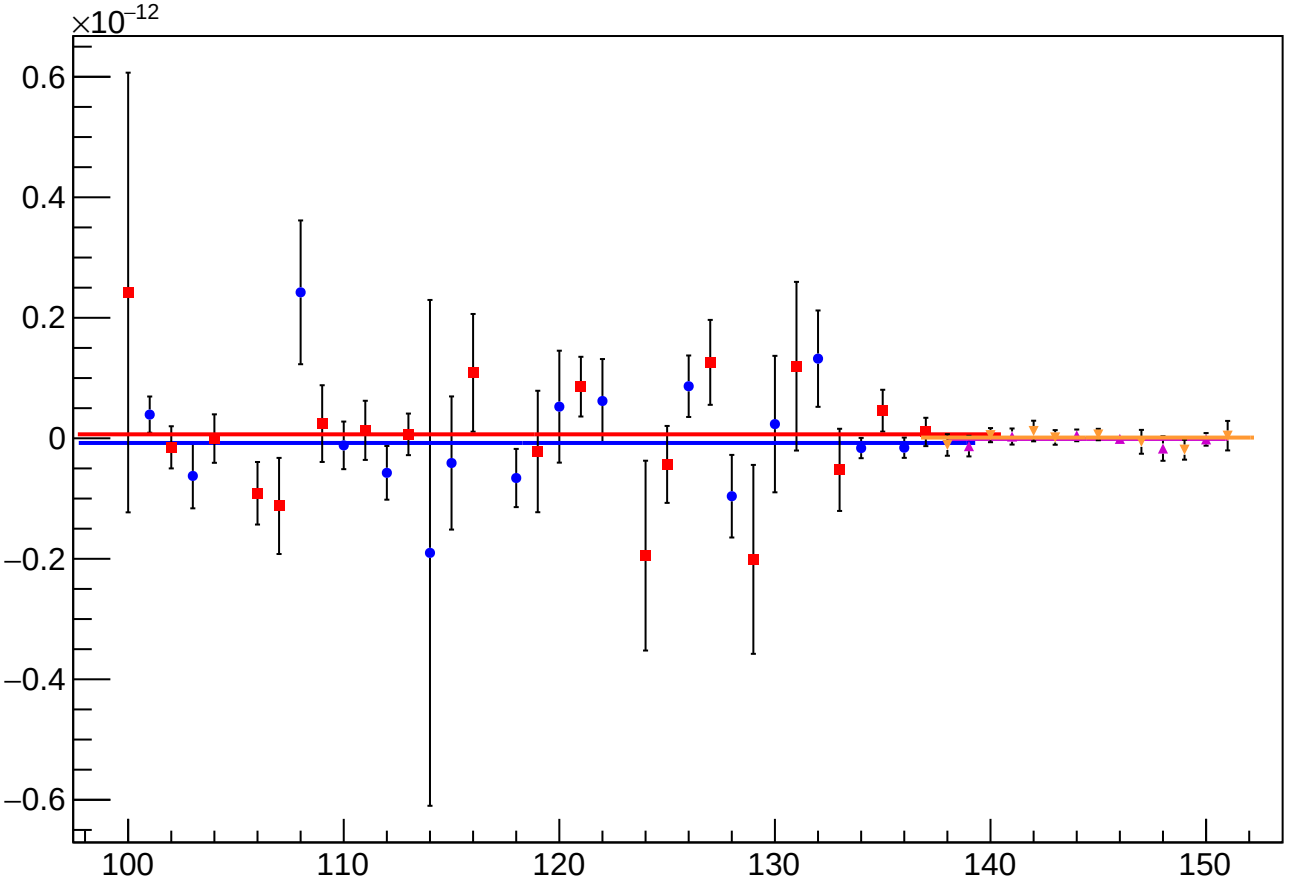
Left In: 261.973+/-0.086 χ^2/NDF:1020186.3/5

+ sign 370.511+/-0.079 χ^2/NDF: 4626209.1/23

All: 354.221+/-0.055 χ^2/NDF: 10101746.2/48

- sign 339.045+/-0.077 χ^2/NDF: 5394065.6/24

asym_sam_37_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.9/7

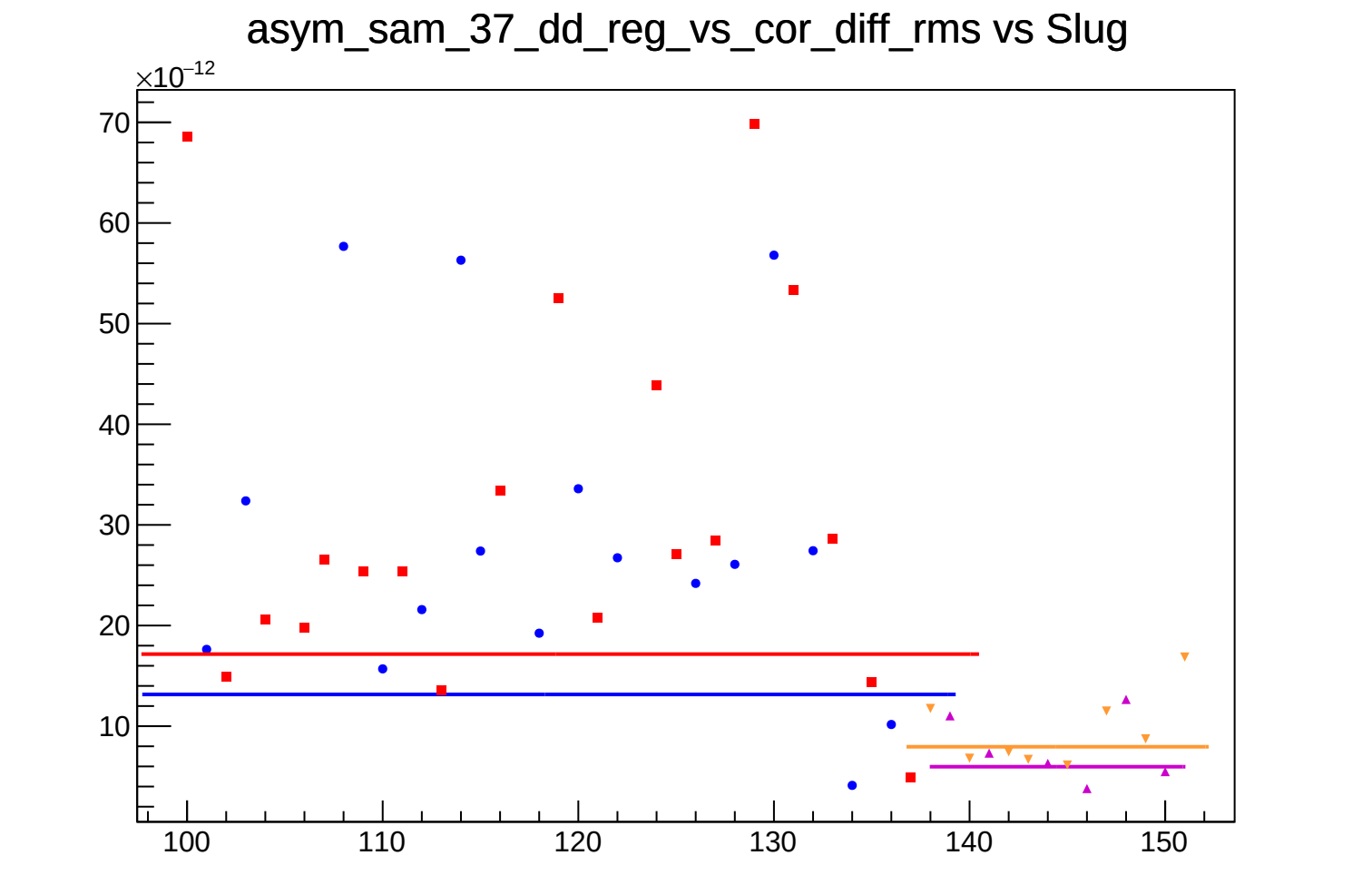
Right Out: 0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: -0.000+/-0.000 χ^2/NDF:1.6/5

+ sign -0.000+/-0.000 χ^2/NDF: 24.6/23

All: -0.000+/-0.000 χ^2/NDF: 46.5/48

- sign -0.000+/-0.000 χ^2/NDF: 21.9/24



Right In: 0.000+/-0.000 χ^2/NDF: 2082875.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:538170.3/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1646197.6/18

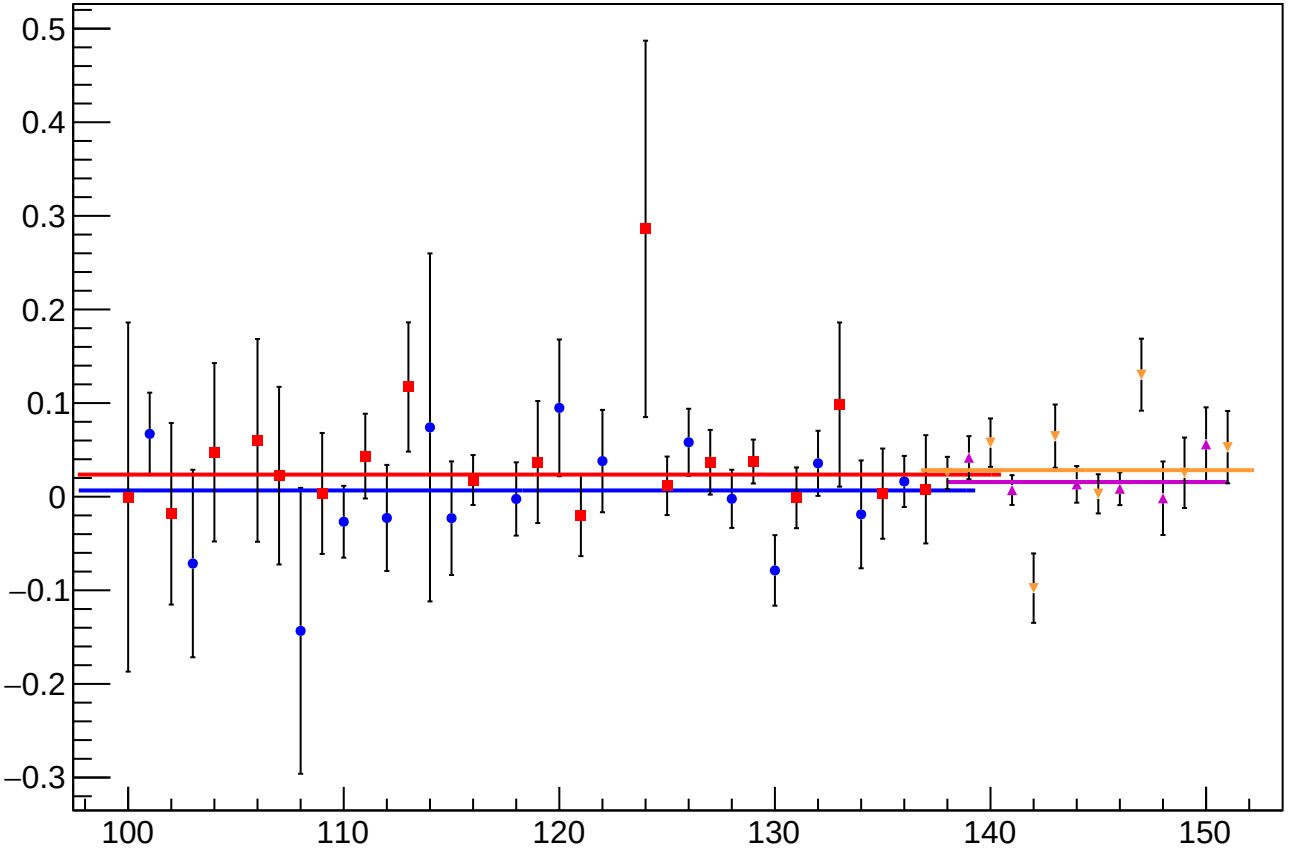
Left In: 0.000+/-0.000 χ^2/NDF:591846.6/5

+ sign 0.000+/-0.000 χ^2/NDF: 3099104.9/23

All: 0.000+/-0.000 χ^2/NDF: 7122207.0/48

- sign 0.000+/-0.000 χ^2/NDF: 3872341.1/24

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: 0.028+/-0.010 χ^2/NDF:23.0/7

Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

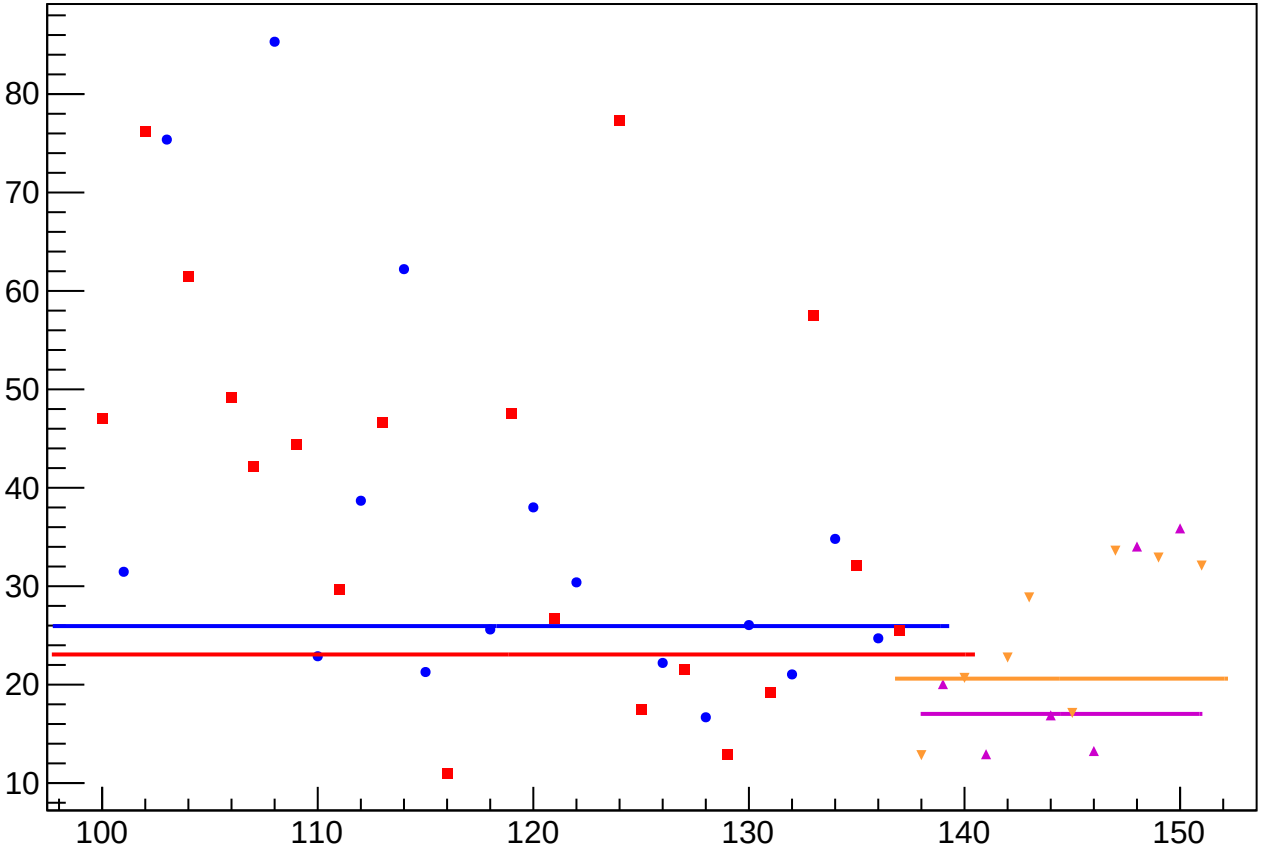
Left In: 0.016+/-0.009 χ^2/NDF:3.0/5

+ sign 0.019+/-0.007 χ^2/NDF: 40.1/23

All: 0.019+/-0.005 χ^2/NDF: 51.0/48

- sign 0.019+/-0.007 χ^2/NDF: 10.8/24

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: 20.610+/-0.007 χ^2/NDF:1207053.4/7

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

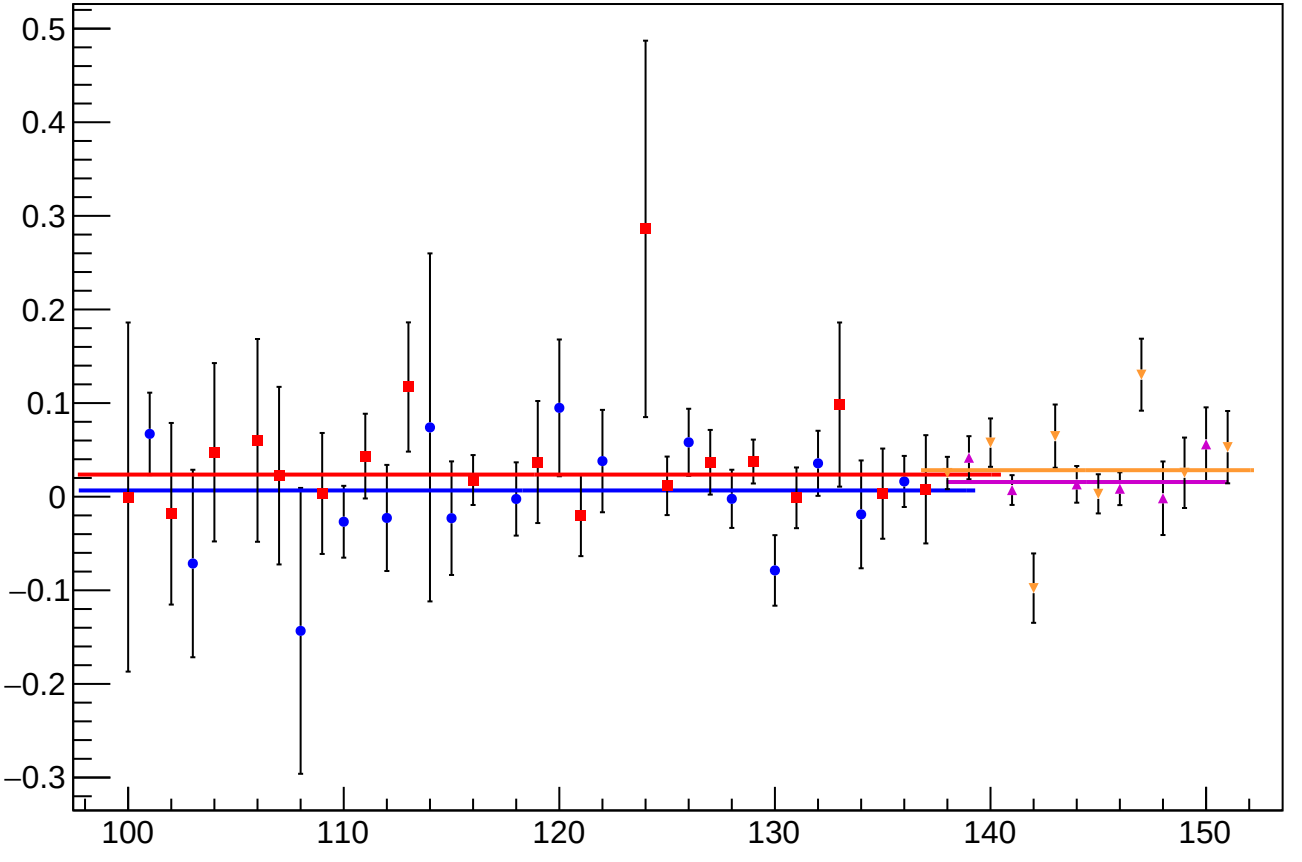
Left In: 17.027+/-0.006 χ^2/NDF:1090445.8/5

+ sign 22.901+/-0.005 χ^2/NDF: 2852895.8/23

All: 21.075+/-0.003 χ^2/NDF: 7928061.4/48

- sign 19.508+/-0.005 χ^2/NDF: 4840769.6/24

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.028+/-0.010 χ^2/NDF:23.0/7

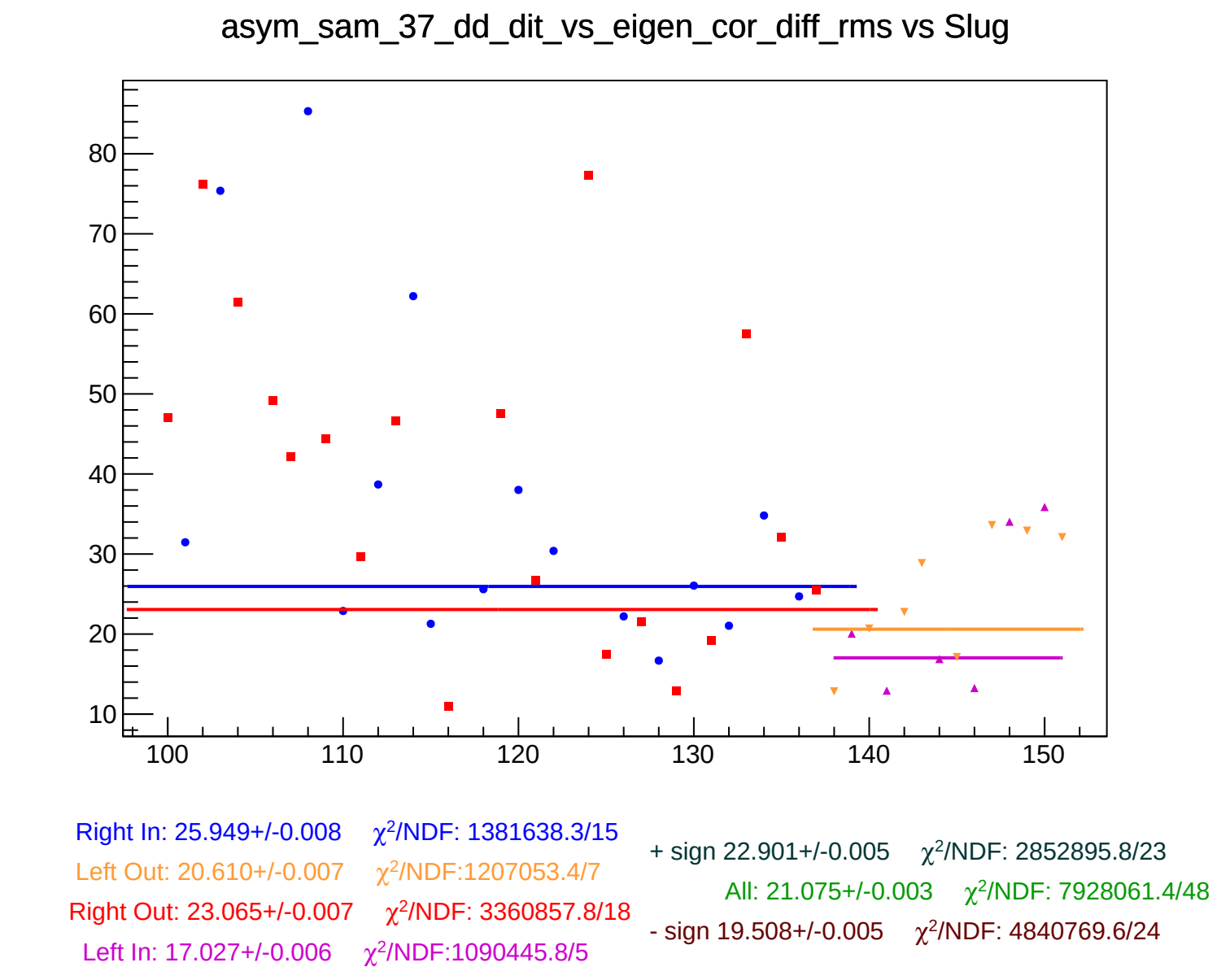
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.016+/-0.009 χ^2/NDF:3.0/5

+ sign 0.019+/-0.007 χ^2/NDF: 40.1/23

All: 0.019+/-0.005 χ^2/NDF: 51.0/48

- sign 0.019+/-0.007 χ^2/NDF: 10.8/24


asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug
80
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100
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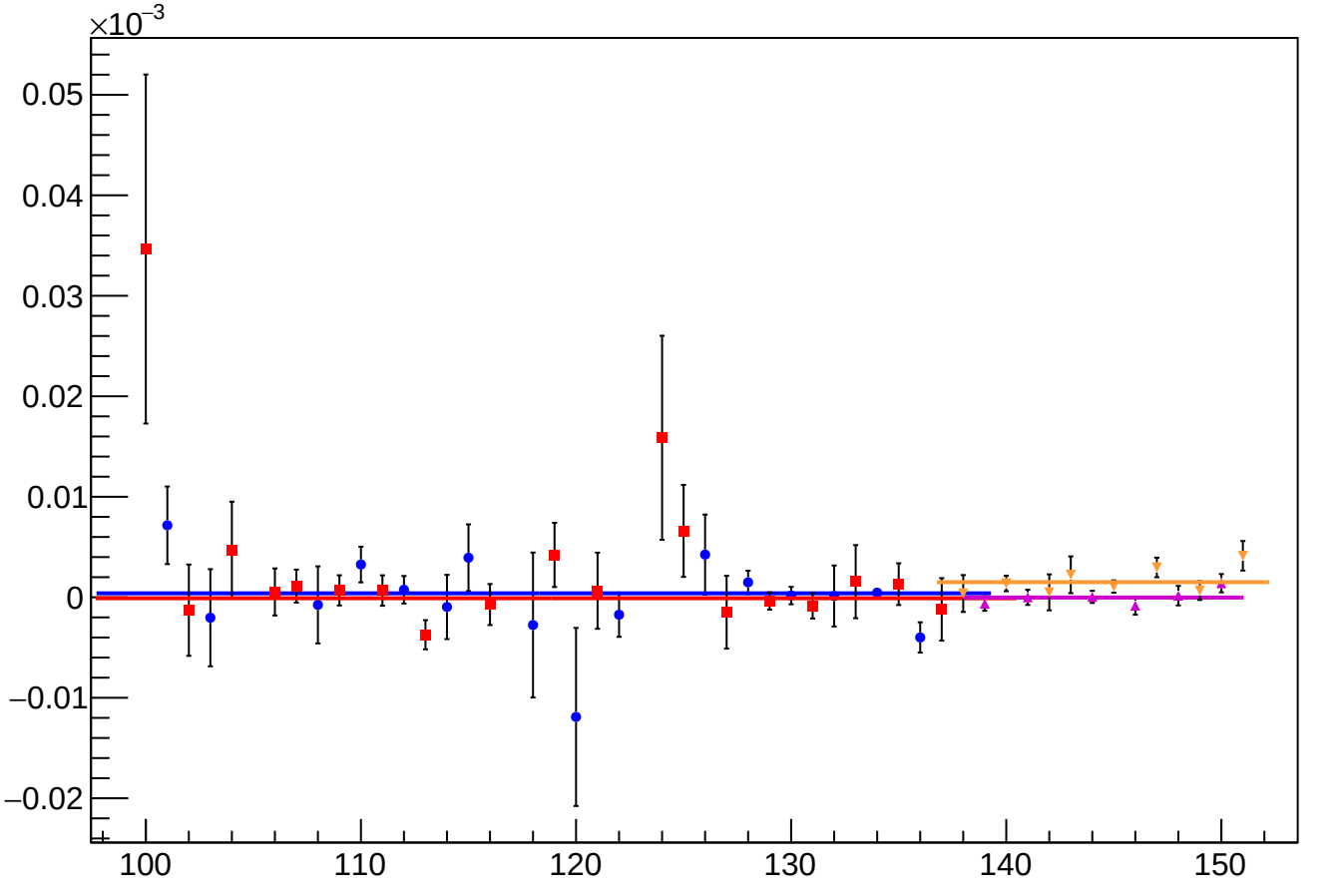
120
130
140
150
Right In: 25.949+/-0.008 χ²/NDF: 1381638.3/15
Left Out: 20.610+/-0.007 χ²/NDF:1207053.4/7
Right Out: 23.065+/-0.007 χ²/NDF: 3360857.8/18
Left In: 17.027+/-0.006 χ²/NDF:1090445.8/5
+ sign 22.901+/-0.005 χ²/NDF: 2852895.8/23
All: 21.075+/-0.003 χ²/NDF: 7928061.4/48
- sign 19.508+/-0.005 χ²/NDF: 4840769.6/24



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.6/7

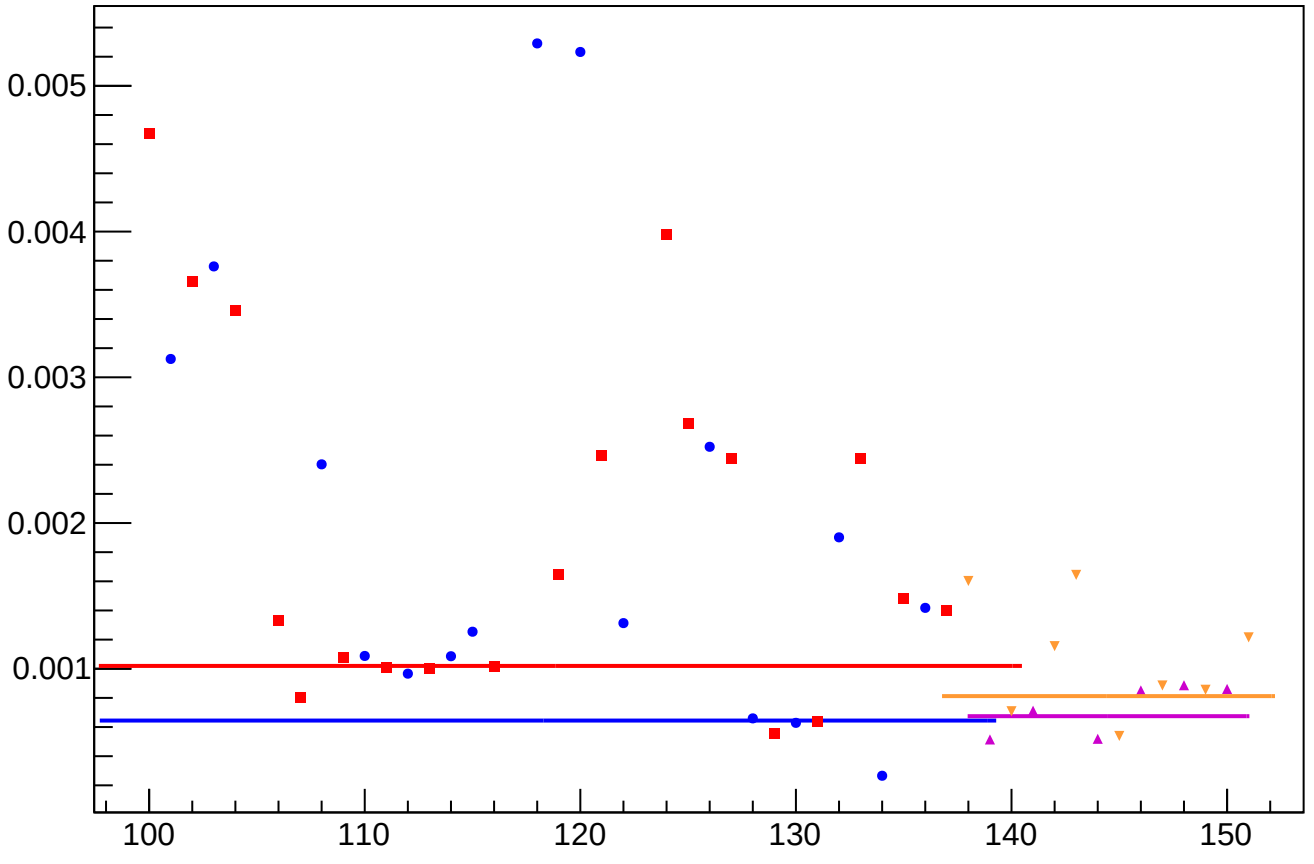
Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: -0.000+/-0.000 χ^2/NDF:4.0/5

+ sign 0.000+/-0.000 χ^2/NDF: 33.6/23

All: 0.000+/-0.000 χ^2/NDF: 65.5/48

- sign -0.000+/-0.000 χ^2/NDF: 24.5/24



Right In: 0.001+/-0.000 χ^2/NDF: 6575652.3/15

Left Out: 0.001+/-0.000 χ^2/NDF:1461476.2/7

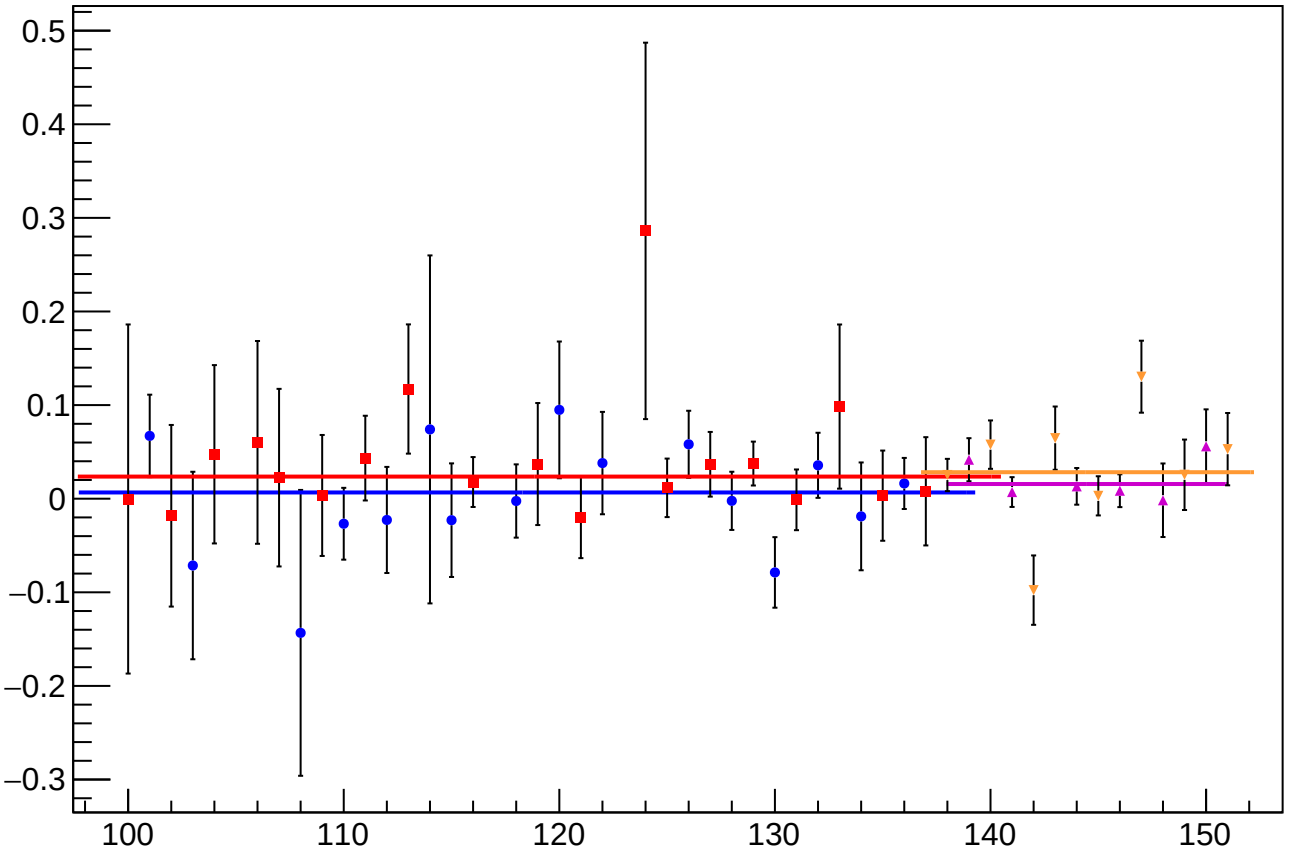
Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

Left In: 0.001+/-0.000 χ^2/NDF:494129.1/5

+ sign 0.001+/-0.000 χ^2/NDF: 8269591.0/23

All: 0.001+/-0.000 χ^2/NDF: 13275616.0/48

- sign 0.001+/-0.000 χ^2/NDF: 4941134.5/24



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.028+/-0.010 χ^2/NDF:23.0/7

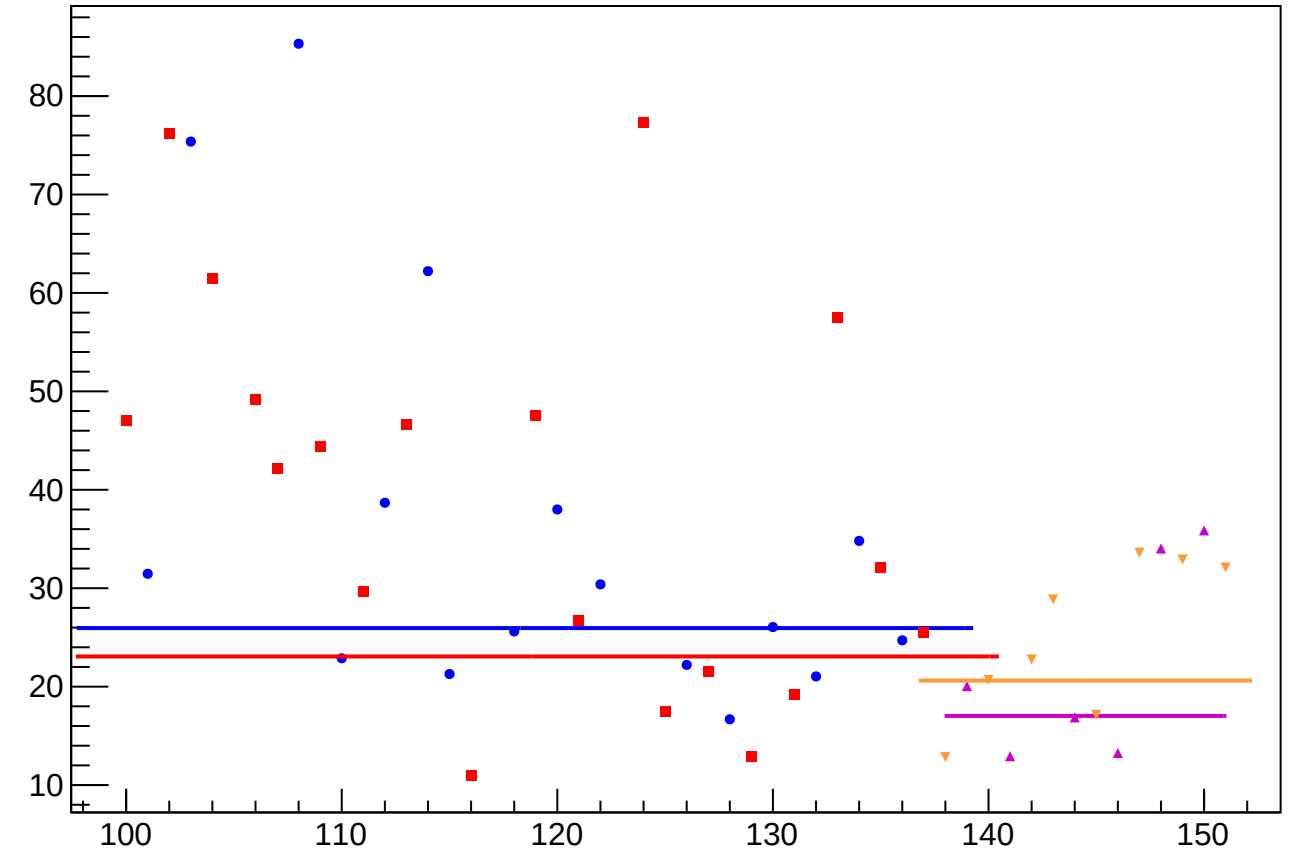
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.016+/-0.009 χ^2/NDF:3.0/5

+ sign 0.019+/-0.007 χ^2/NDF: 40.1/23

All: 0.019+/-0.005 χ^2/NDF: 51.0/48

- sign 0.019+/-0.007 χ^2/NDF: 10.8/24



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 20.610+/-0.007 χ^2/NDF:1207096.7/7

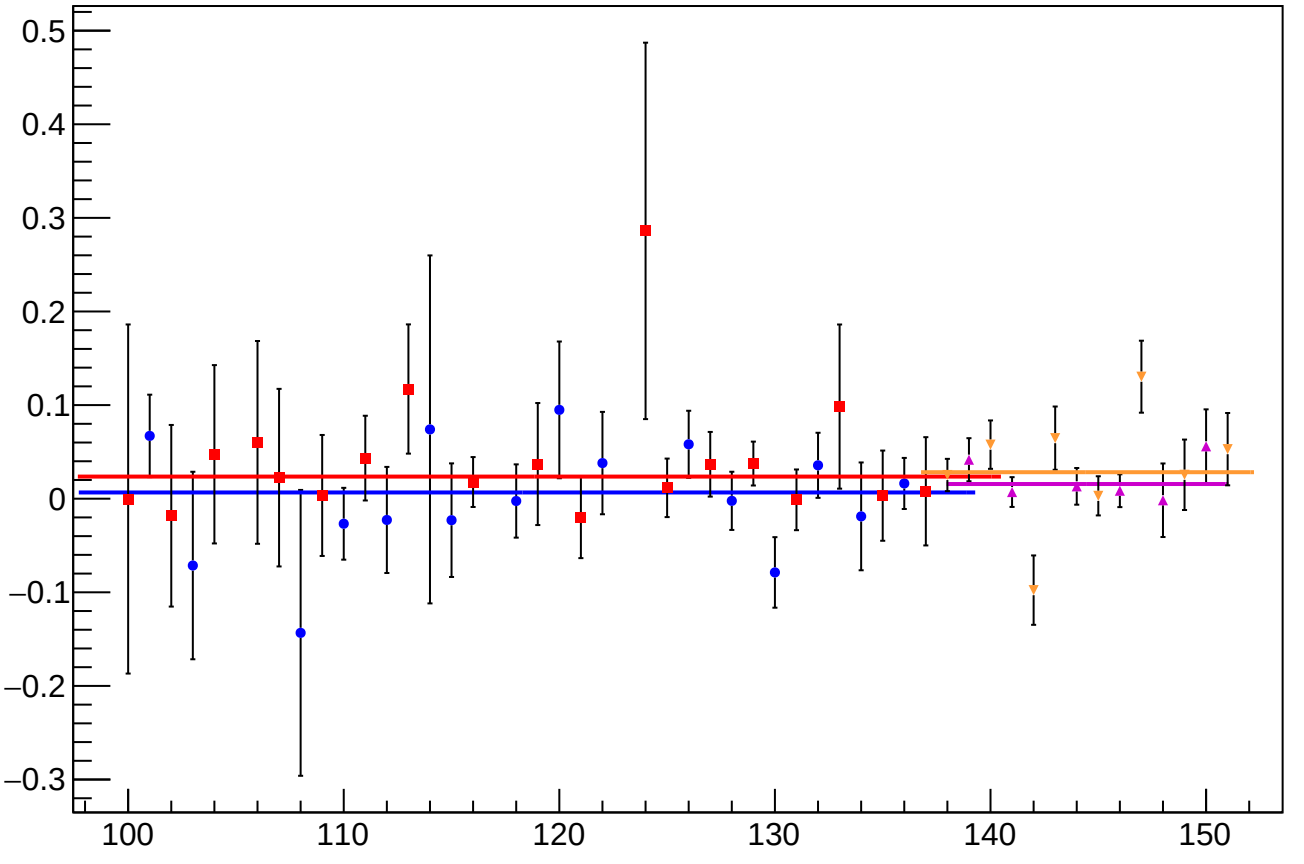
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 17.027+/-0.006 χ^2/NDF:1090444.1/5

+ sign 22.901+/-0.005 χ^2/NDF: 2852872.9/23

All: 21.075+/-0.003 χ^2/NDF: 7927951.0/48

- sign 19.509+/-0.005 χ^2/NDF: 4840651.8/24



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.028+/-0.010 χ^2/NDF:23.0/7

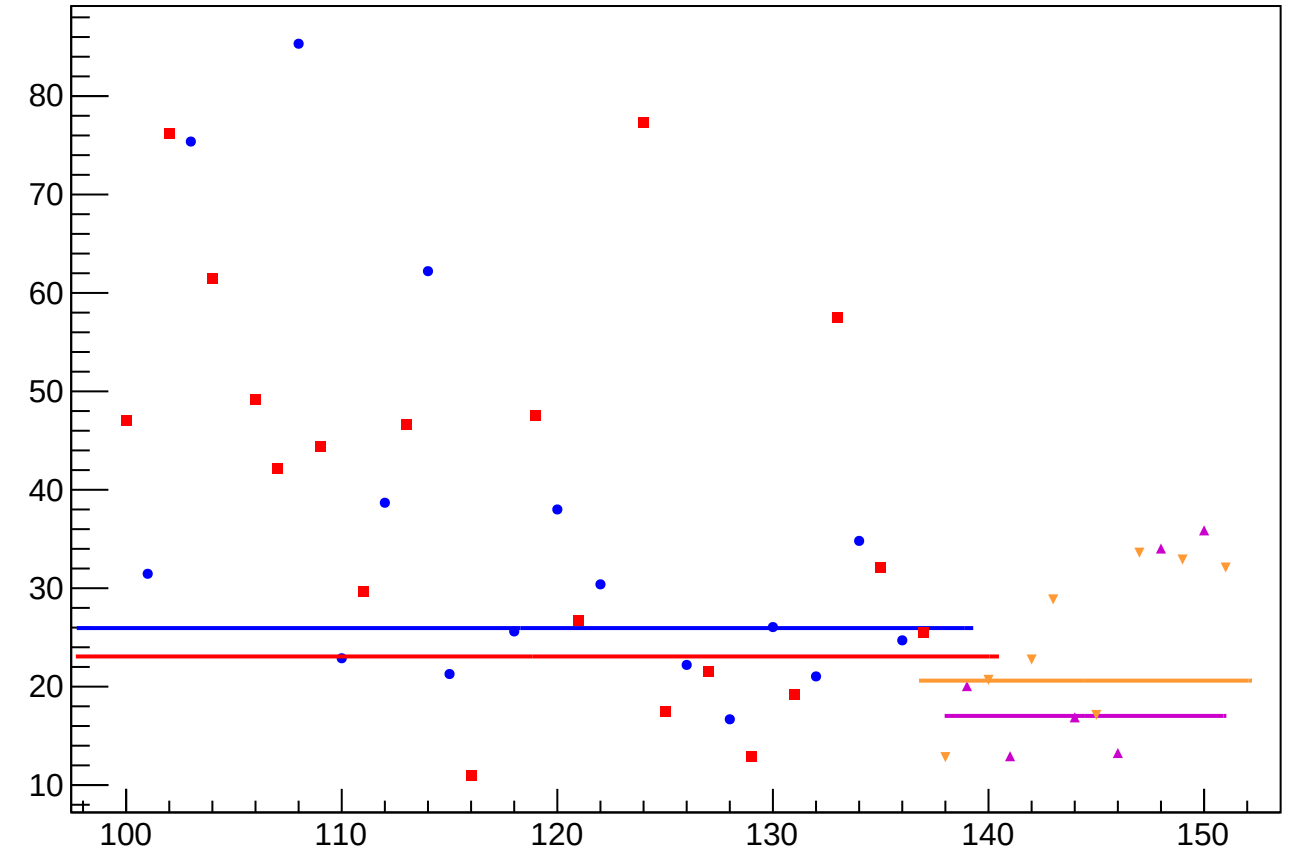
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.016+/-0.009 χ^2/NDF:3.0/5

+ sign 0.019+/-0.007 χ^2/NDF: 40.1/23

All: 0.019+/-0.005 χ^2/NDF: 51.0/48

- sign 0.019+/-0.007 χ^2/NDF: 10.8/24



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 20.610+/-0.007 χ^2/NDF:1207096.7/7

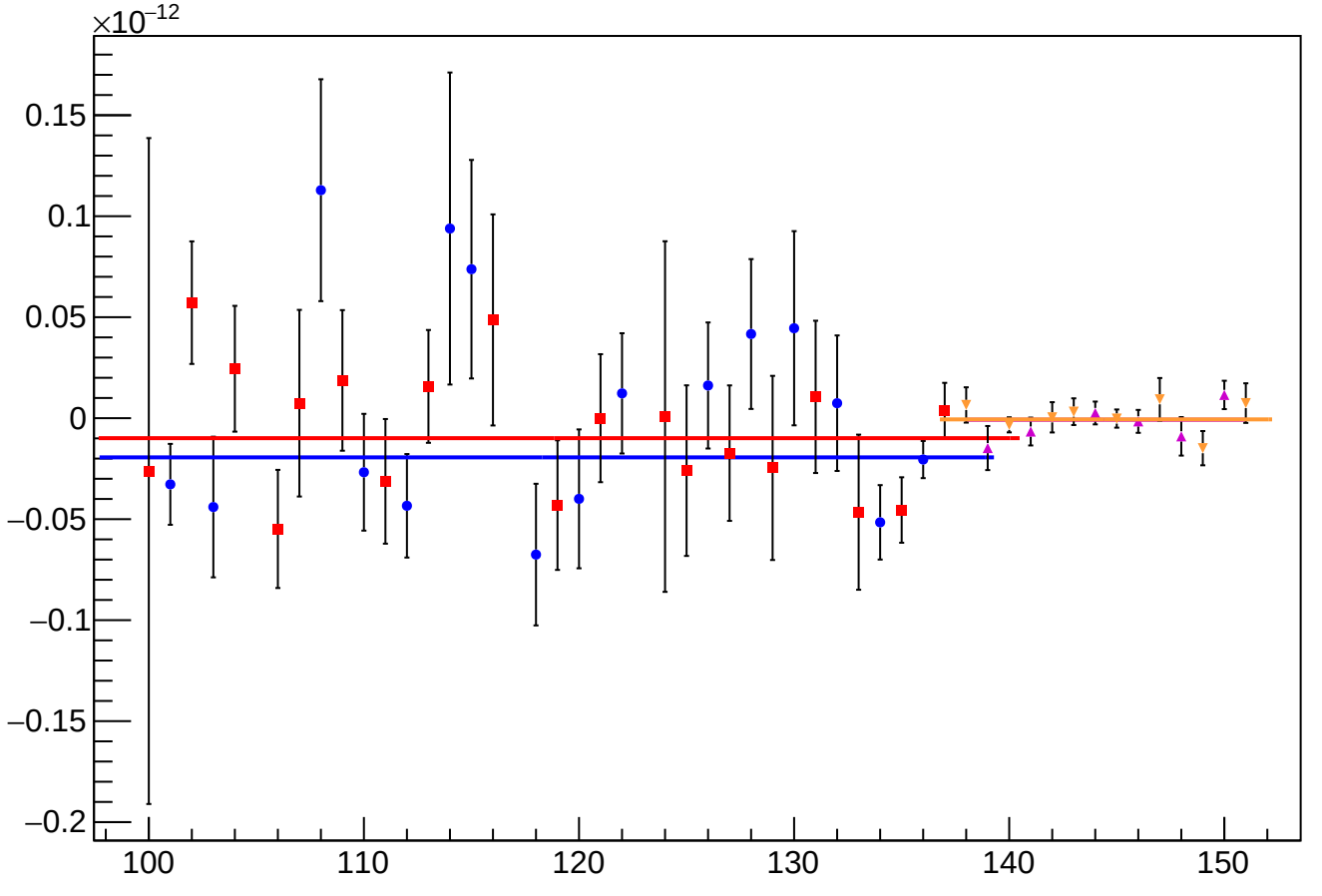
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 17.027+/-0.006 χ^2/NDF:1090444.1/5

+ sign 22.901+/-0.005 χ^2/NDF: 2852872.9/23

All: 21.075+/-0.003 χ^2/NDF: 7927951.0/48

- sign 19.509+/-0.005 χ^2/NDF: 4840651.8/24



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.9/7

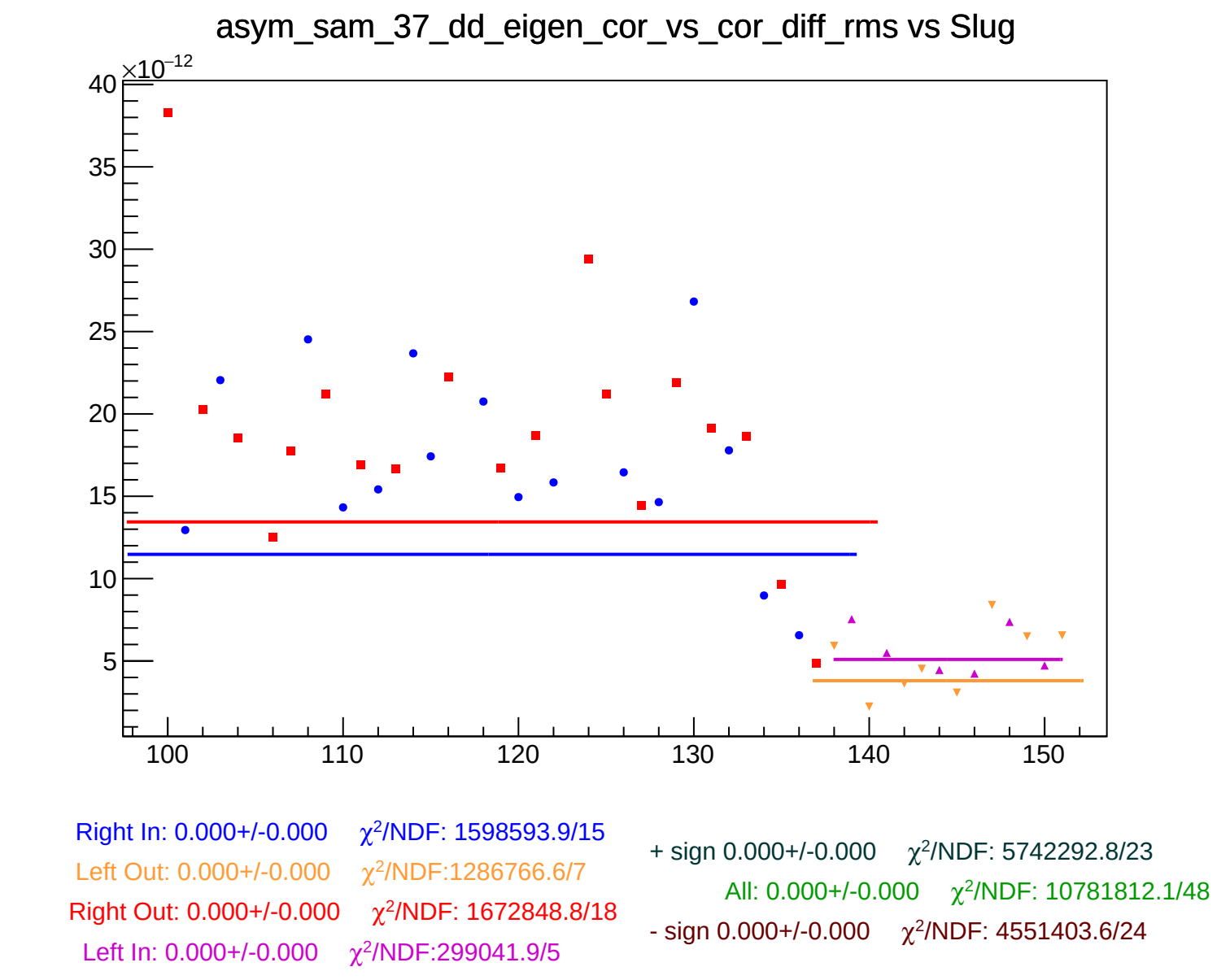
Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: -0.000+/-0.000 χ^2/NDF:6.5/5

+ sign -0.000+/-0.000 χ^2/NDF: 40.2/23

All: -0.000+/-0.000 χ^2/NDF: 68.6/48

- sign -0.000+/-0.000 χ^2/NDF: 28.4/24


asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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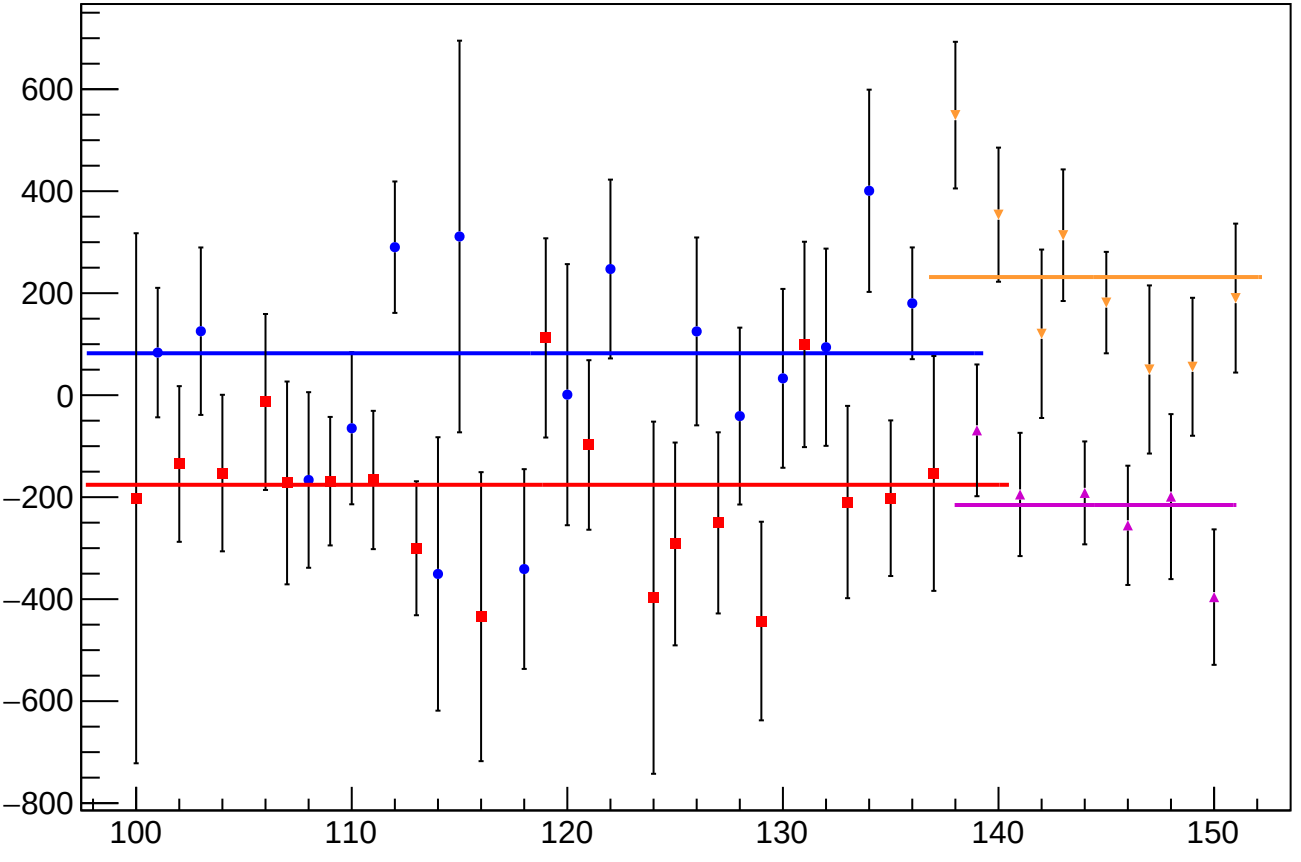
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1598593.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1286766.6/7
Right Out: 0.000+/-0.000 χ²/NDF: 1672848.8/18
Left In: 0.000+/-0.000 χ²/NDF:299041.9/5
+ sign 0.000+/-0.000 χ²/NDF: 5742292.8/23
All: 0.000+/-0.000 χ²/NDF: 10781812.1/48
- sign 0.000+/-0.000 χ²/NDF: 4551403.6/24

reg_asym_sam_48_dd_mean vs Slug



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 231.632+/-47.547 χ^2/NDF:9.8/7

Right Out: -175.732+/-40.673 χ^2/NDF: 9.9/18

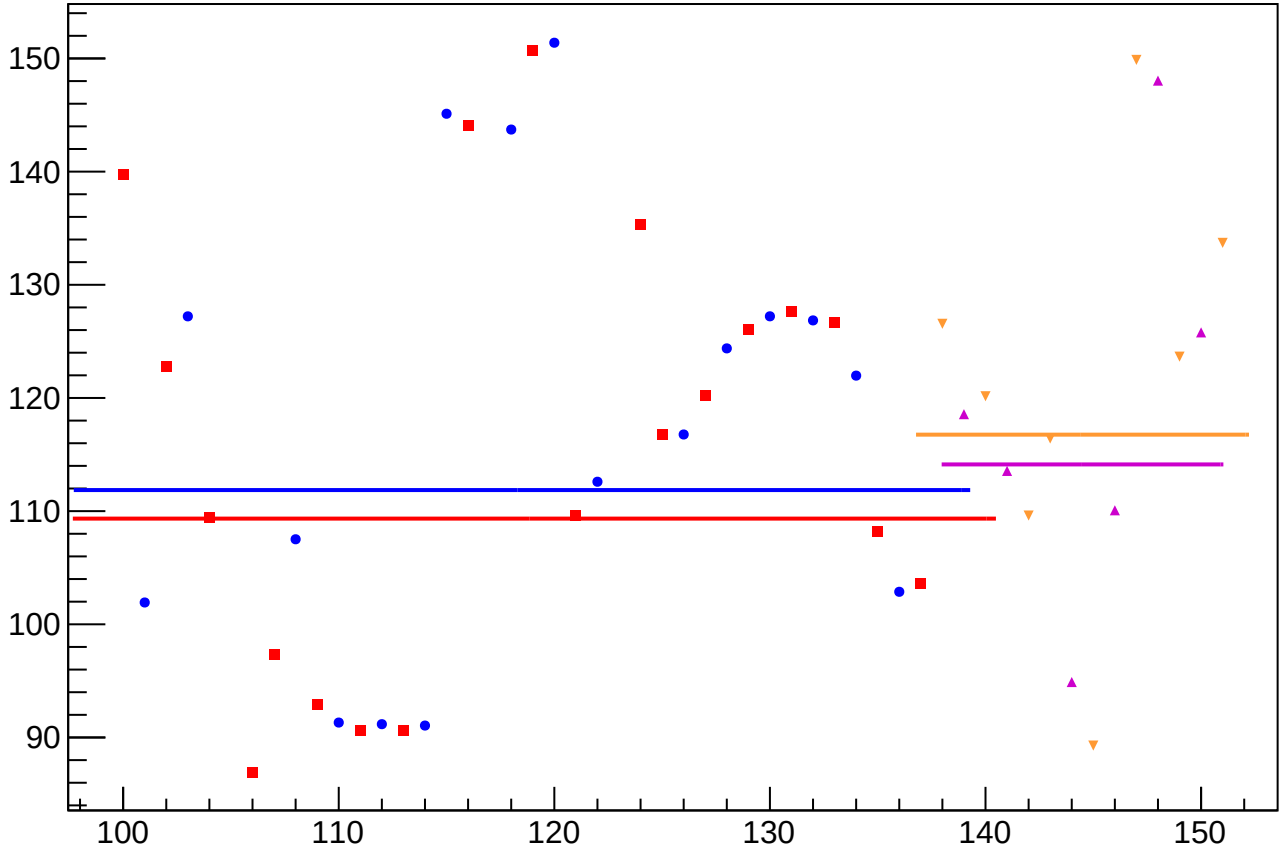
Left In: -215.357+/-50.341 χ^2/NDF:3.3/5

+ sign 147.925+/-31.534 χ^2/NDF: 33.7/23

All: -21.174+/-22.334 χ^2/NDF: 105.0/48

- sign -191.382+/-31.637 χ^2/NDF: 13.6/24

reg_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 116.759+/-0.034 χ^2/NDF:279767.7/7

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

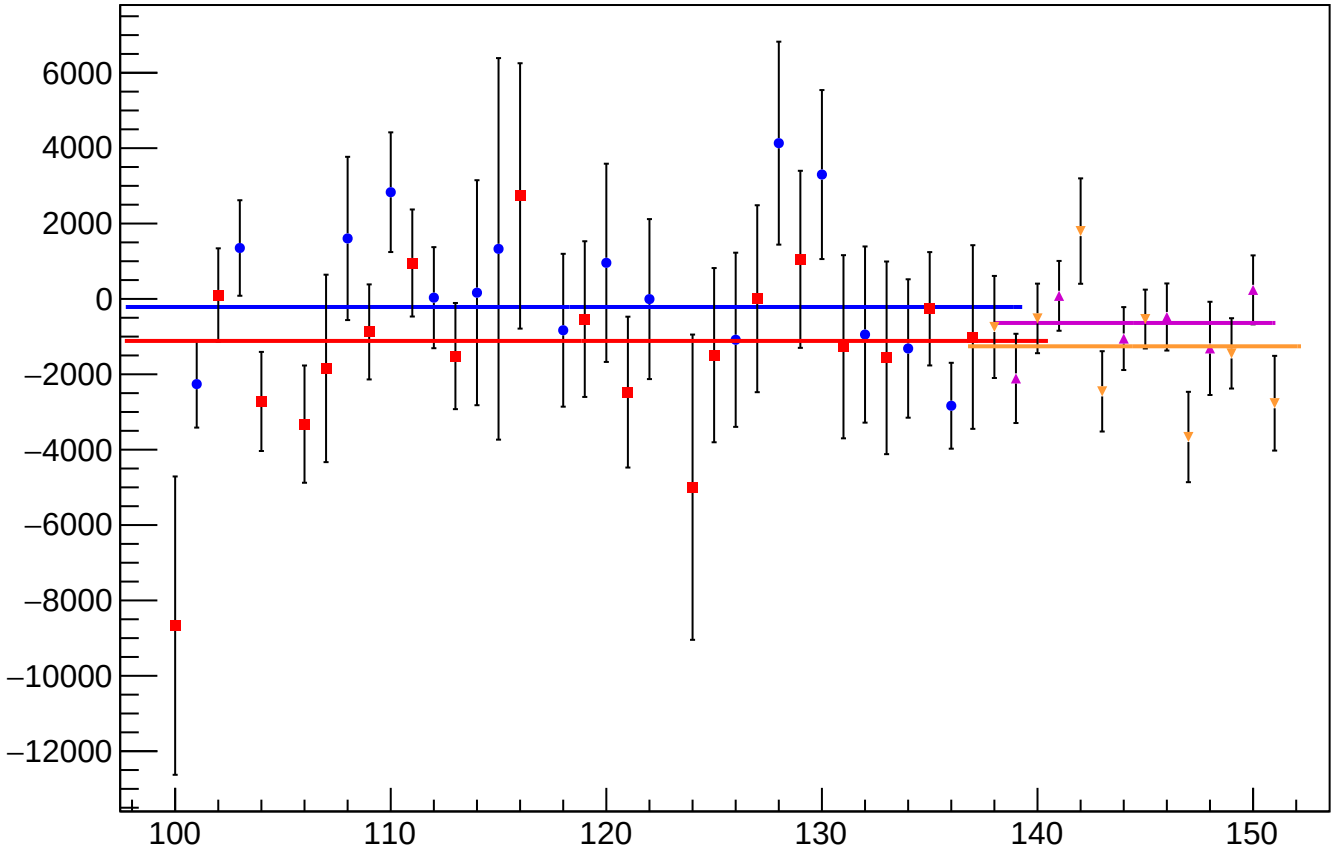
Left In: 114.128+/-0.036 χ^2/NDF:180743.1/5

+ sign 114.016+/-0.022 χ^2/NDF: 597672.5/23

All: 112.628+/-0.016 χ^2/NDF: 1164352.2/48

- sign 111.231+/-0.022 χ^2/NDF: 558907.4/24

asym_sam_48_dd_reg_correction_mean vs Slug



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -1257.227+/-371.885 χ^2/NDF:13.2/7

Right Out: -1114.700+/-423.039 χ^2/NDF: 14.5/18

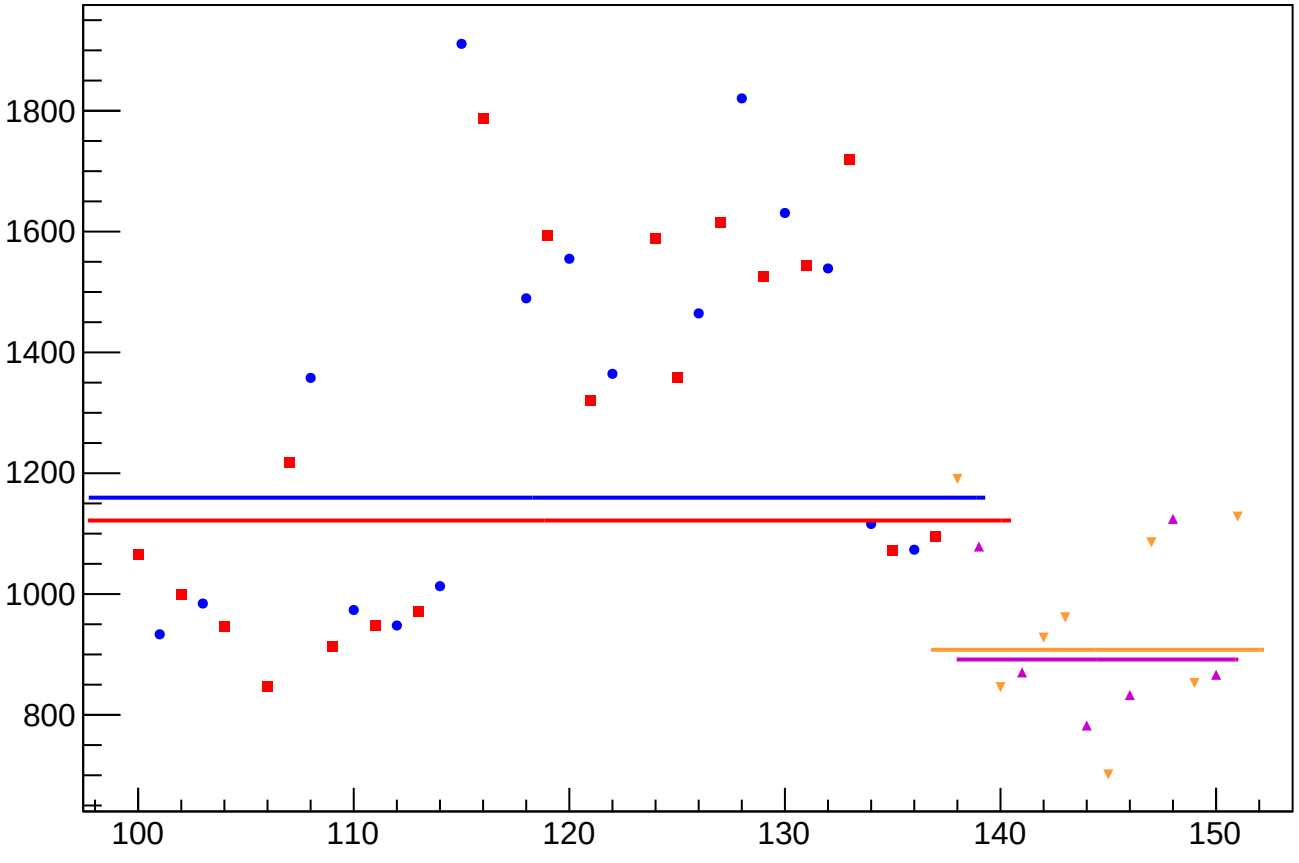
Left In: -637.828+/-394.522 χ^2/NDF:3.6/5

+ sign -827.143+/-285.084 χ^2/NDF: 36.9/23

All: -843.202+/-202.790 χ^2/NDF: 55.7/48

- sign -859.651+/-288.524 χ^2/NDF: 18.9/24

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 907.789+/-0.263 χ^2/NDF:354170.2/7

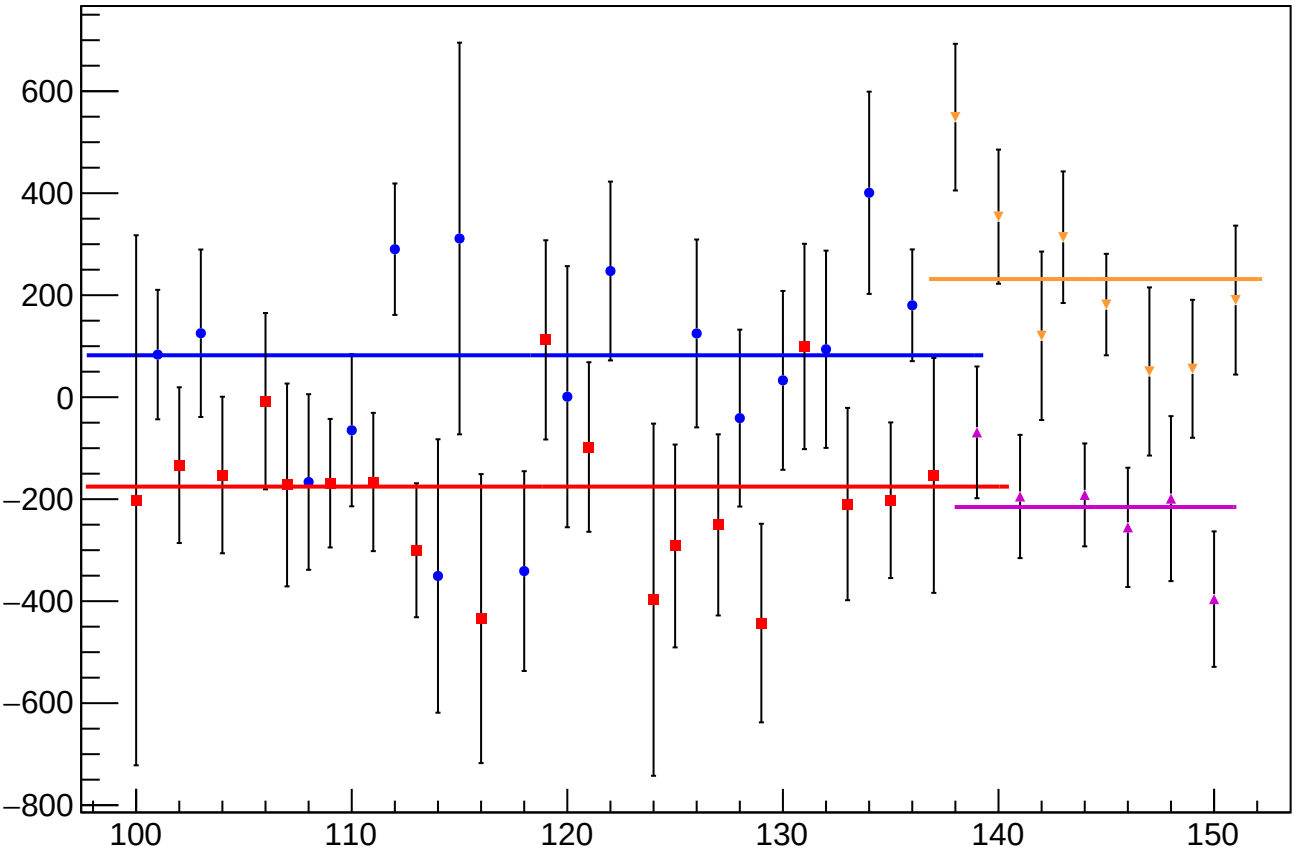
Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

Left In: 891.649+/-0.279 χ^2/NDF:166384.1/5

+ sign 1011.606+/-0.202 χ^2/NDF: 1415872.1/23

All: 1005.223+/-0.143 χ^2/NDF: 2683032.0/48

- sign 998.684+/-0.204 χ^2/NDF: 1265129.8/24



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 231.642+/-47.547 χ^2/NDF:9.8/7

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

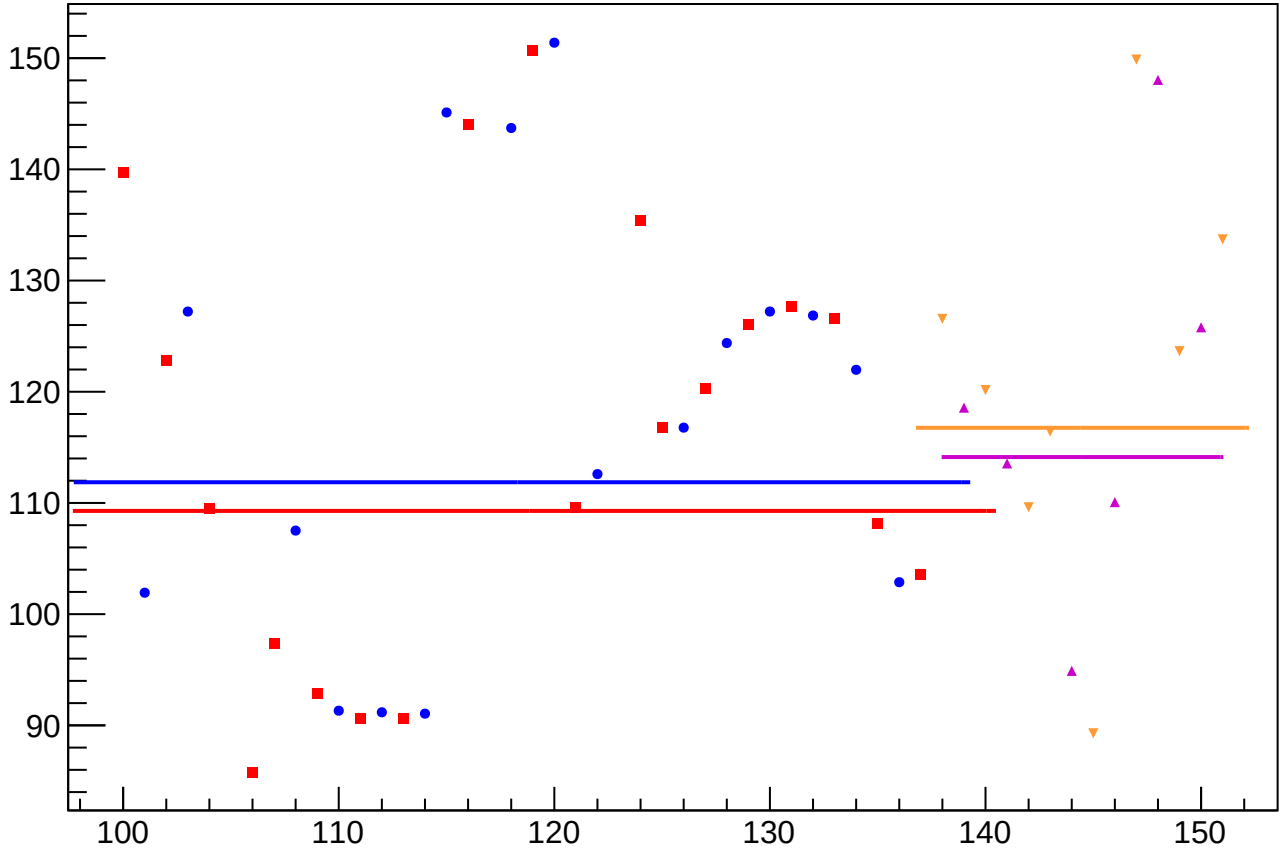
Left In: -215.362+/-50.341 χ^2/NDF:3.3/5

+ sign 147.923+/-31.534 χ^2/NDF: 33.7/23

All: -21.045+/-22.335 χ^2/NDF: 105.0/48

- sign -191.148+/-31.640 χ^2/NDF: 13.7/24

cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 116.759+/-0.034 χ^2/NDF:279767.7/7

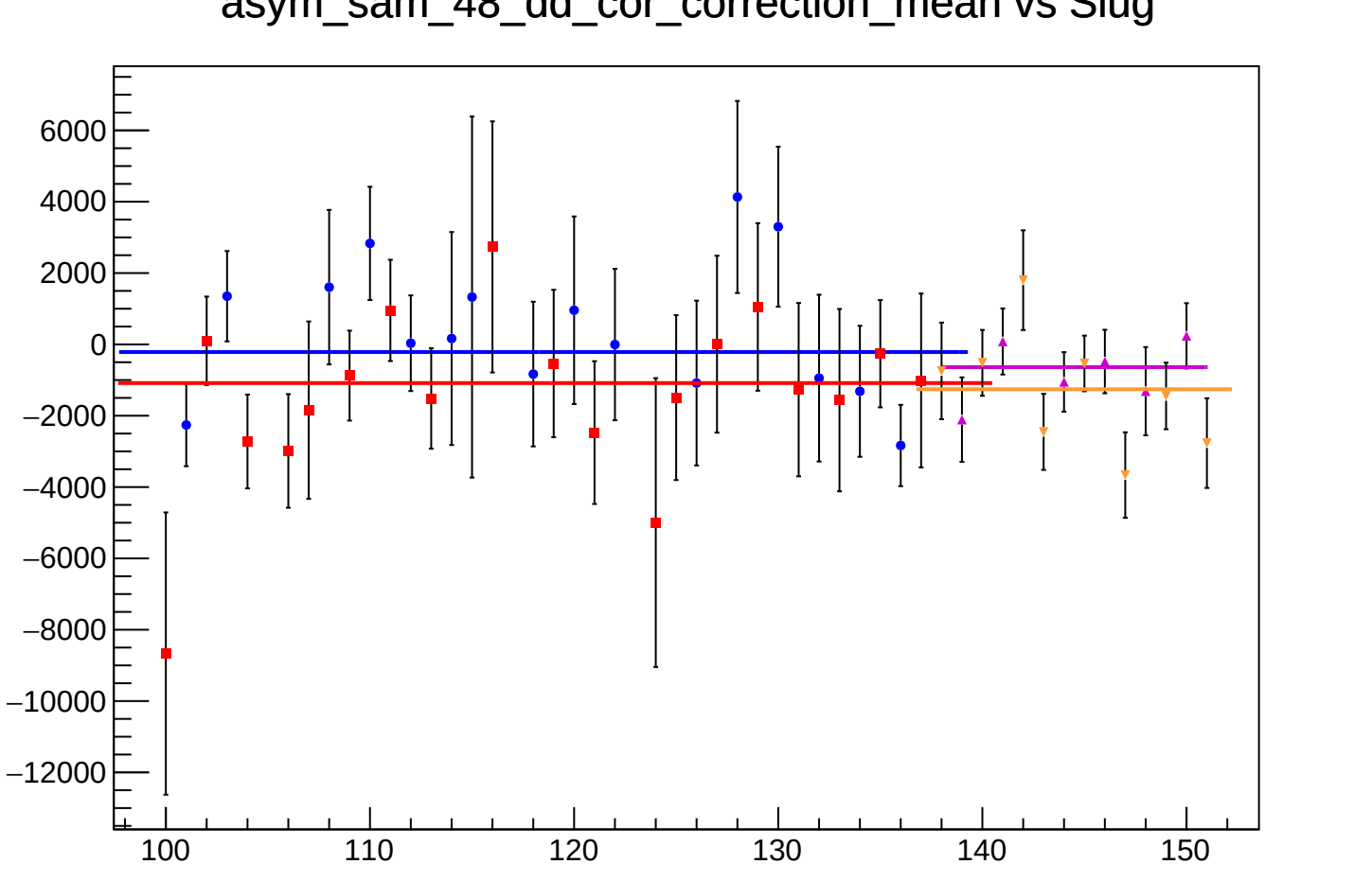
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 114.128+/-0.036 χ^2/NDF:180743.1/5

+ sign 114.016+/-0.022 χ^2/NDF: 597673.5/23

All: 112.611+/-0.016 χ^2/NDF: 1168290.2/48

- sign 111.197+/-0.022 χ^2/NDF: 562656.1/24



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1257.219+/-371.885 χ^2/NDF:13.2/7

Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

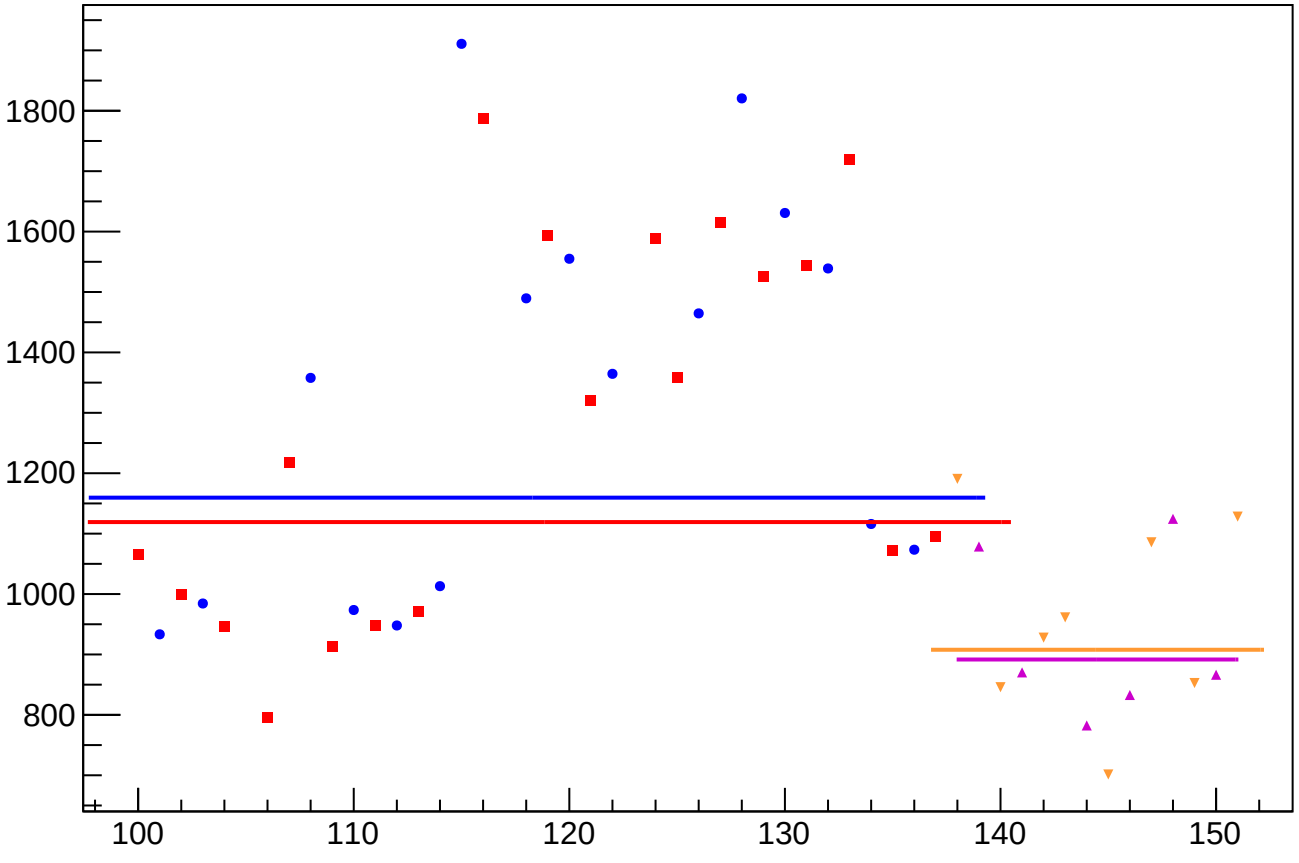
Left In: -637.838+/-394.522 χ^2/NDF:3.6/5

+ sign -827.179+/-285.084 χ^2/NDF: 36.9/23

All: -835.957+/-202.871 χ^2/NDF: 55.0/48

- sign -844.963+/-288.757 χ^2/NDF: 18.1/24

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 907.789+/-0.263 χ^2/NDF:354172.5/7

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

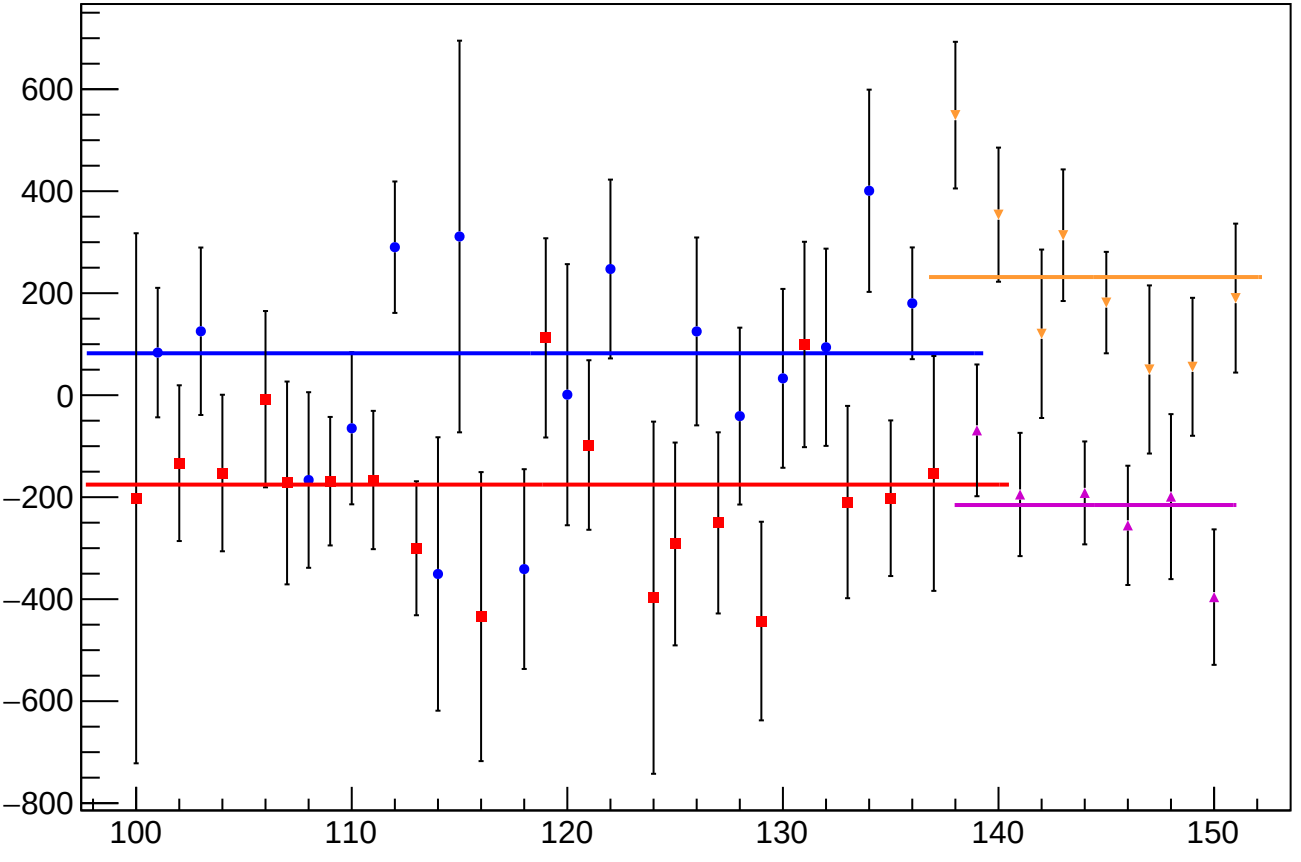
Left In: 891.649+/-0.279 χ^2/NDF:166382.2/5

+ sign 1011.609+/-0.202 χ^2/NDF: 1415869.9/23

All: 1004.536+/-0.143 χ^2/NDF: 2696696.2/48

- sign 997.280+/-0.204 χ^2/NDF: 1278332.3/24

eigen_cor_asym_sam_48_dd_mean vs Slug



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 231.642+/-47.547 χ^2/NDF:9.8/7

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

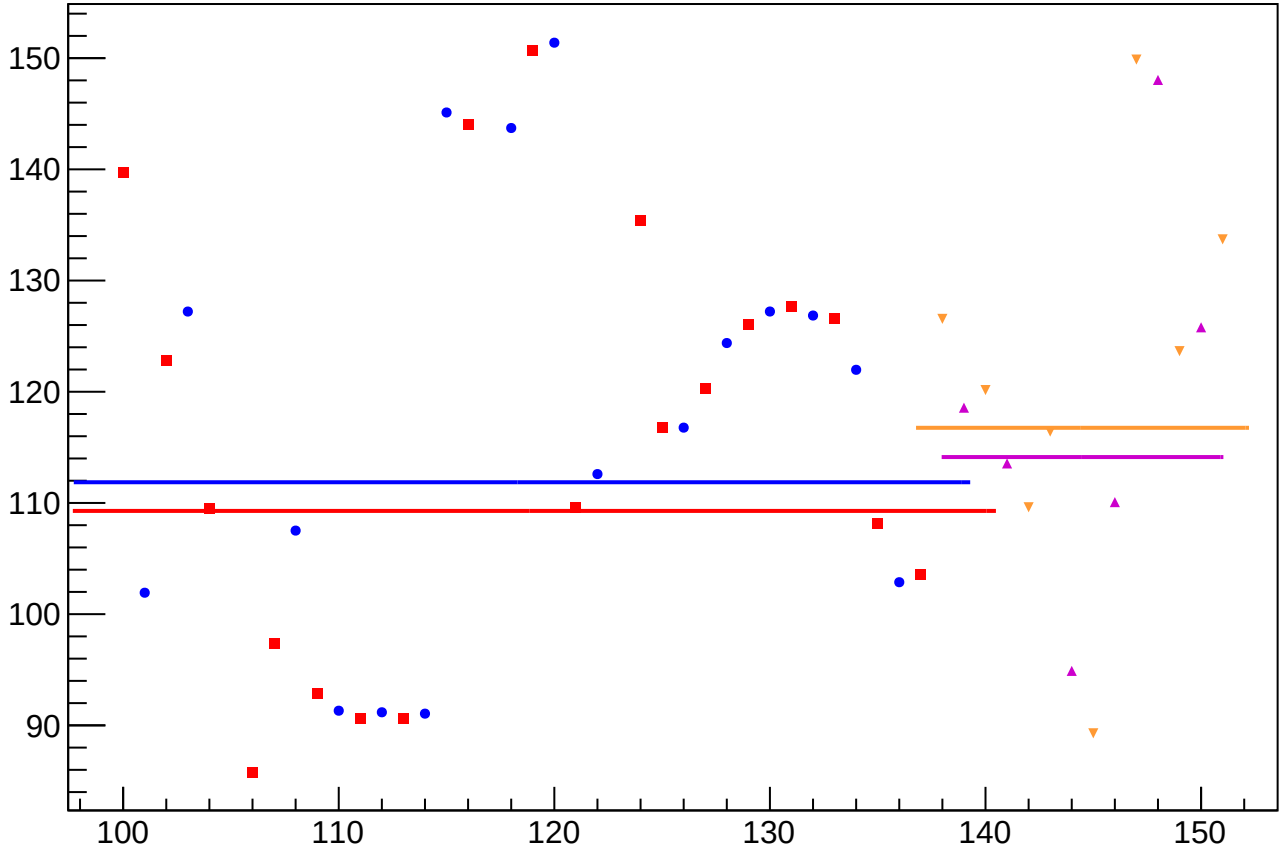
Left In: -215.362+/-50.341 χ^2/NDF:3.3/5

+ sign 147.923+/-31.534 χ^2/NDF: 33.7/23

All: -21.045+/-22.335 χ^2/NDF: 105.0/48

- sign -191.148+/-31.640 χ^2/NDF: 13.7/24

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 116.759+/-0.034 χ^2/NDF:279767.7/7

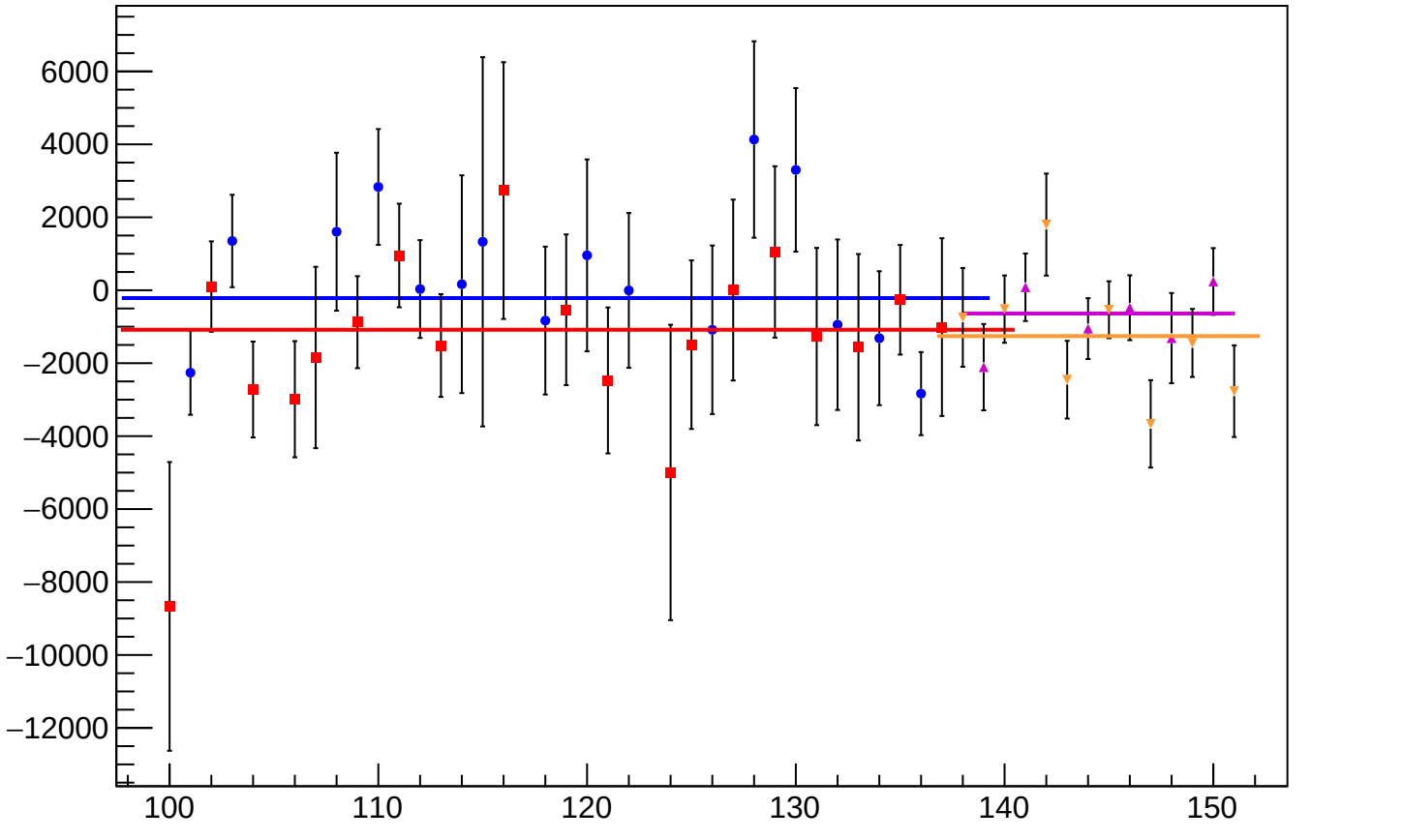
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 114.128+/-0.036 χ^2/NDF:180743.1/5

+ sign 114.016+/-0.022 χ^2/NDF: 597673.5/23

All: 112.611+/-0.016 χ^2/NDF: 1168290.2/48

- sign 111.197+/-0.022 χ^2/NDF: 562656.1/24



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1257.219+/-371.885 χ^2/NDF:13.2/7

Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

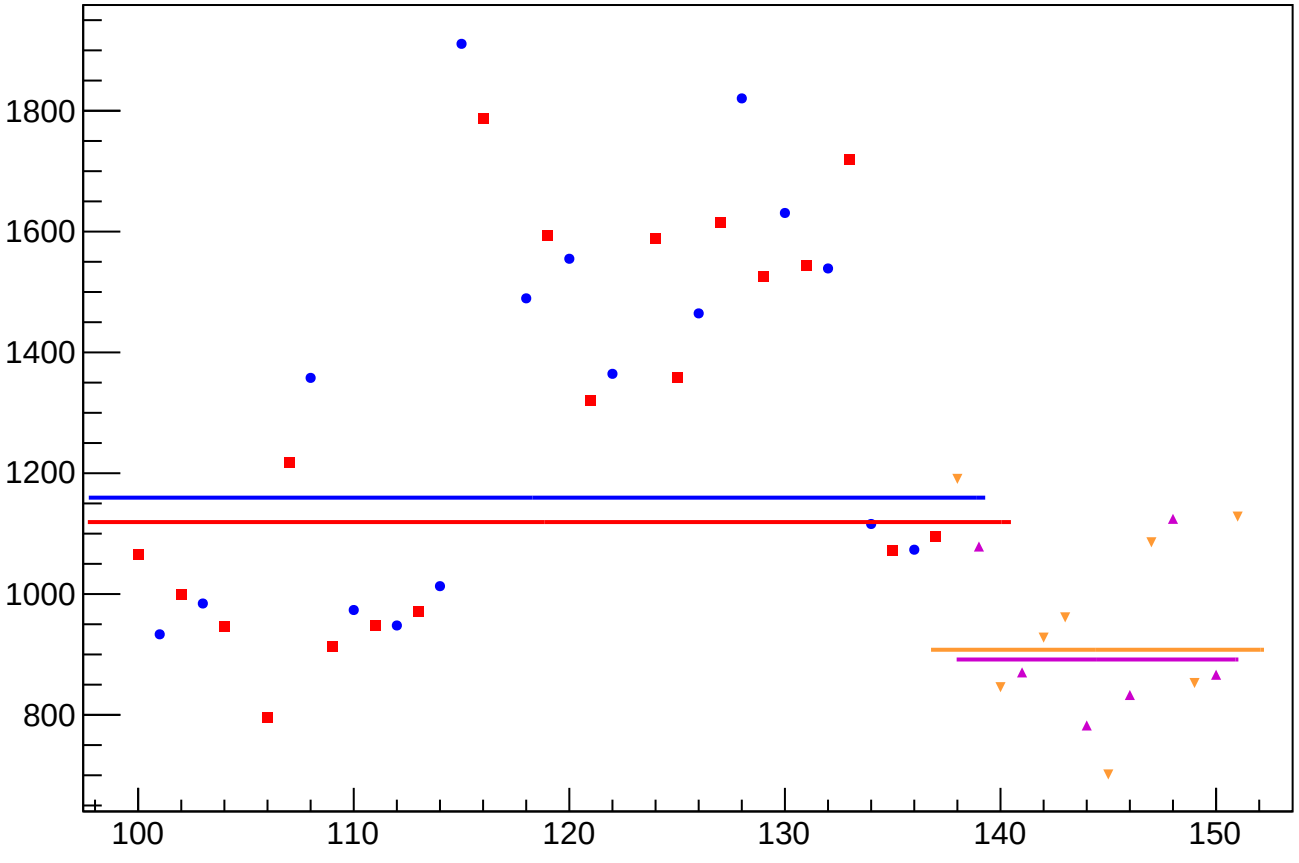
Left In: -637.838+/-394.522 χ^2/NDF:3.6/5

+ sign -827.179+/-285.084 χ^2/NDF: 36.9/23

All: -835.957+/-202.871 χ^2/NDF: 55.0/48

- sign -844.963+/-288.757 χ^2/NDF: 18.1/24

asym_sam_48_dd_eigen_cor_correction_rms vs Slug



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 907.789+/-0.263 χ^2/NDF:354172.5/7

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

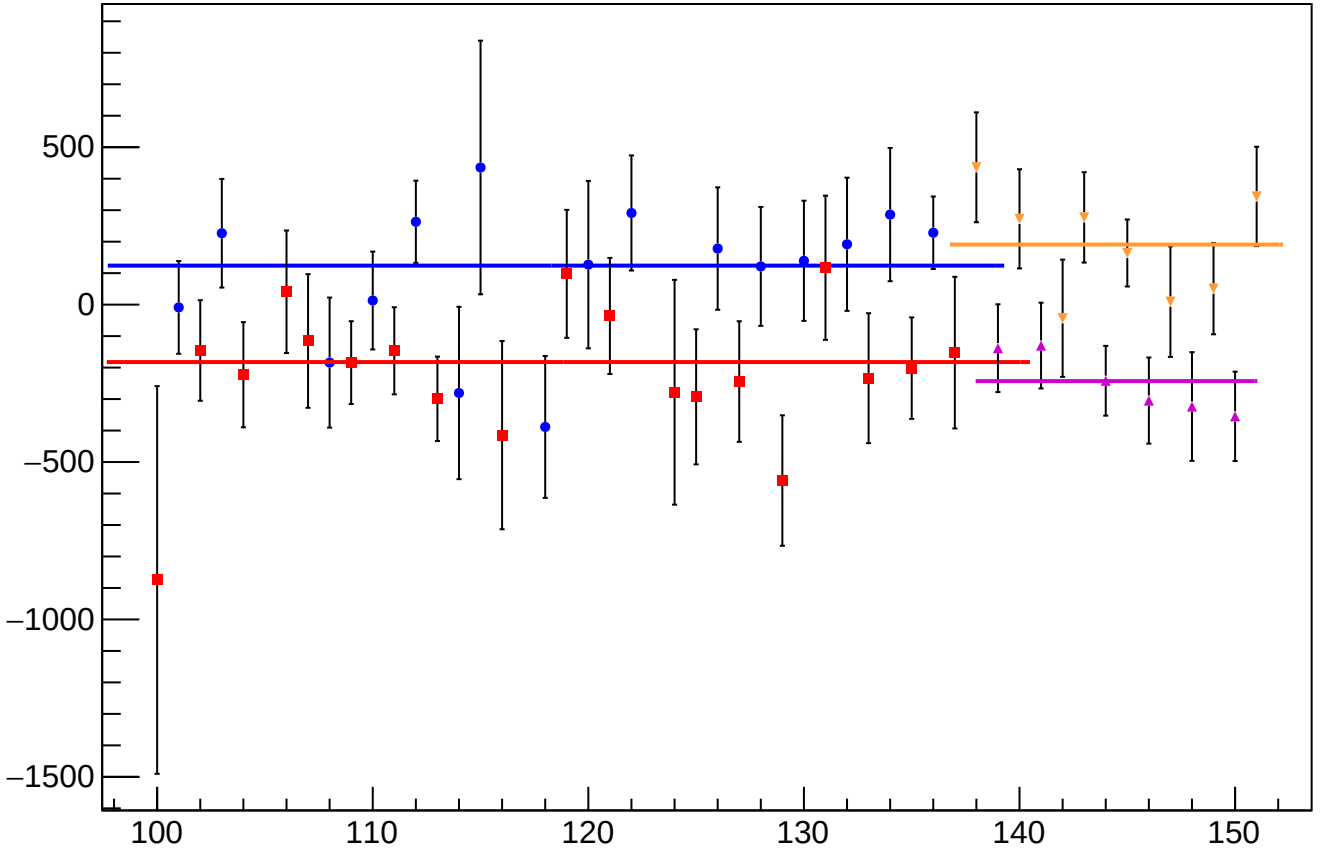
Left In: 891.649+/-0.279 χ^2/NDF:166382.2/5

+ sign 1011.609+/-0.202 χ^2/NDF: 1415869.9/23

All: 1004.536+/-0.143 χ^2/NDF: 2696696.2/48

- sign 997.280+/-0.204 χ^2/NDF: 1278332.3/24

dit_asym_sam_48_dd_mean vs Slug



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 190.827+/-52.785 χ^2/NDF:7.2/7

Right Out: -182.467+/-43.224 χ^2/NDF: 12.3/18

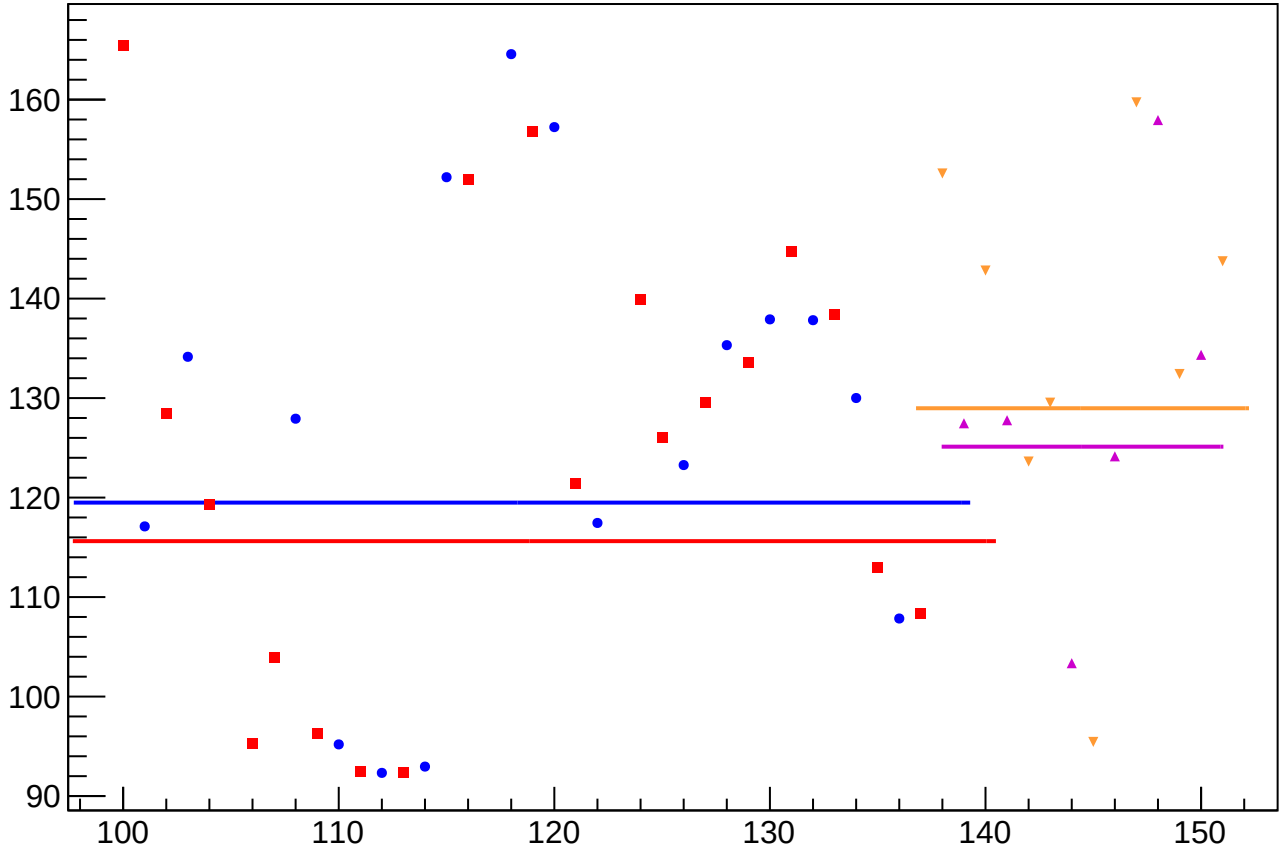
Left In: -242.984+/-55.599 χ^2/NDF:2.3/5

+ sign 152.237+/-34.349 χ^2/NDF: 23.5/23

All: -27.685+/-24.209 χ^2/NDF: 93.4/48

- sign -205.264+/-34.125 χ^2/NDF: 15.3/24

dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 128.979+/-0.037 χ^2/NDF:332055.0/7

Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

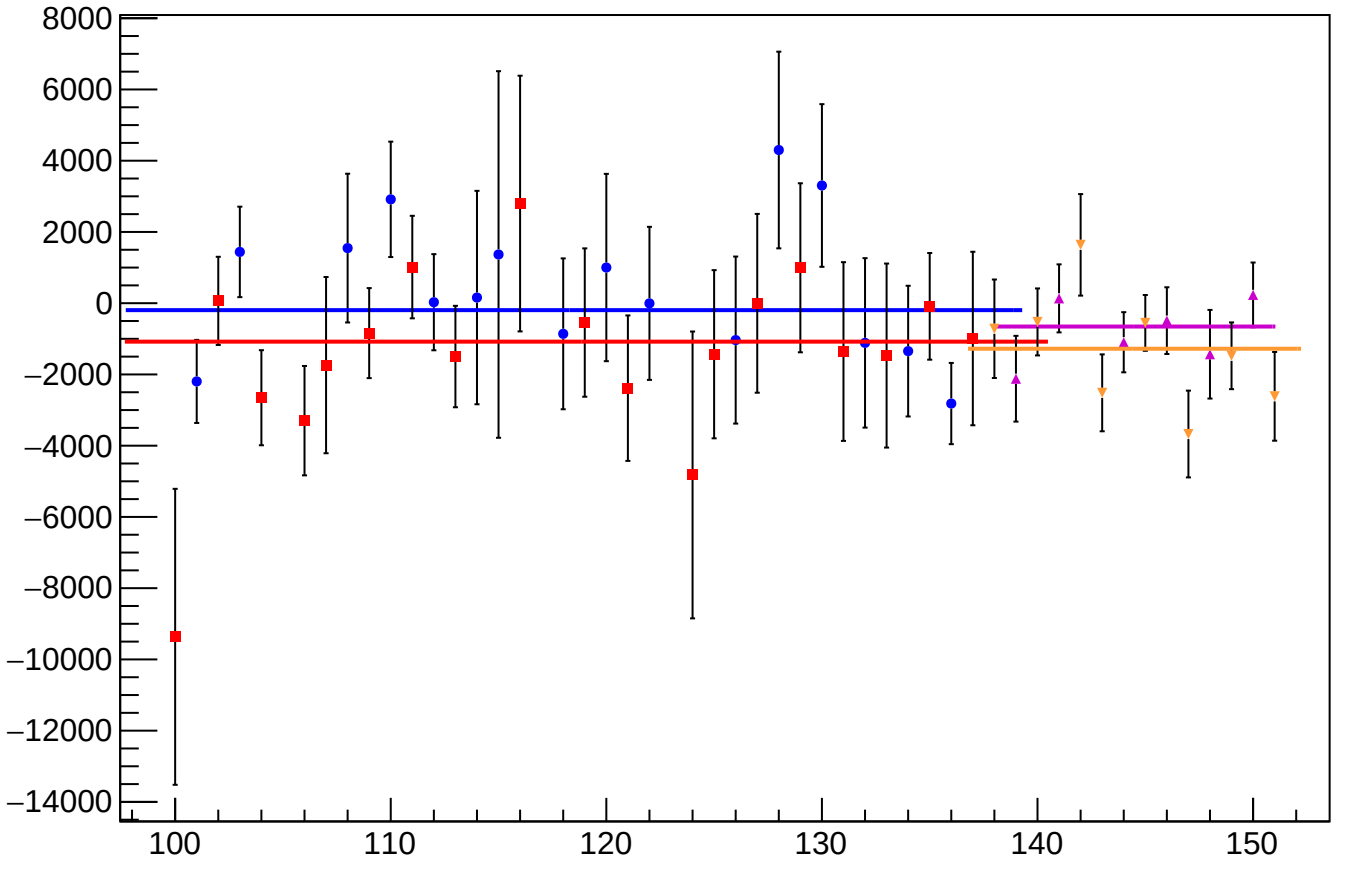
Left In: 125.117+/-0.039 χ^2/NDF:159375.4/5

+ sign 123.511+/-0.024 χ^2/NDF: 749530.8/23

All: 121.341+/-0.017 χ^2/NDF: 1388087.3/48

- sign 119.199+/-0.024 χ^2/NDF: 622693.8/24

asym_sam_48_dd_dit_correction_mean vs Slug



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1278.511+/-375.481 χ^2/NDF:12.2/7

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

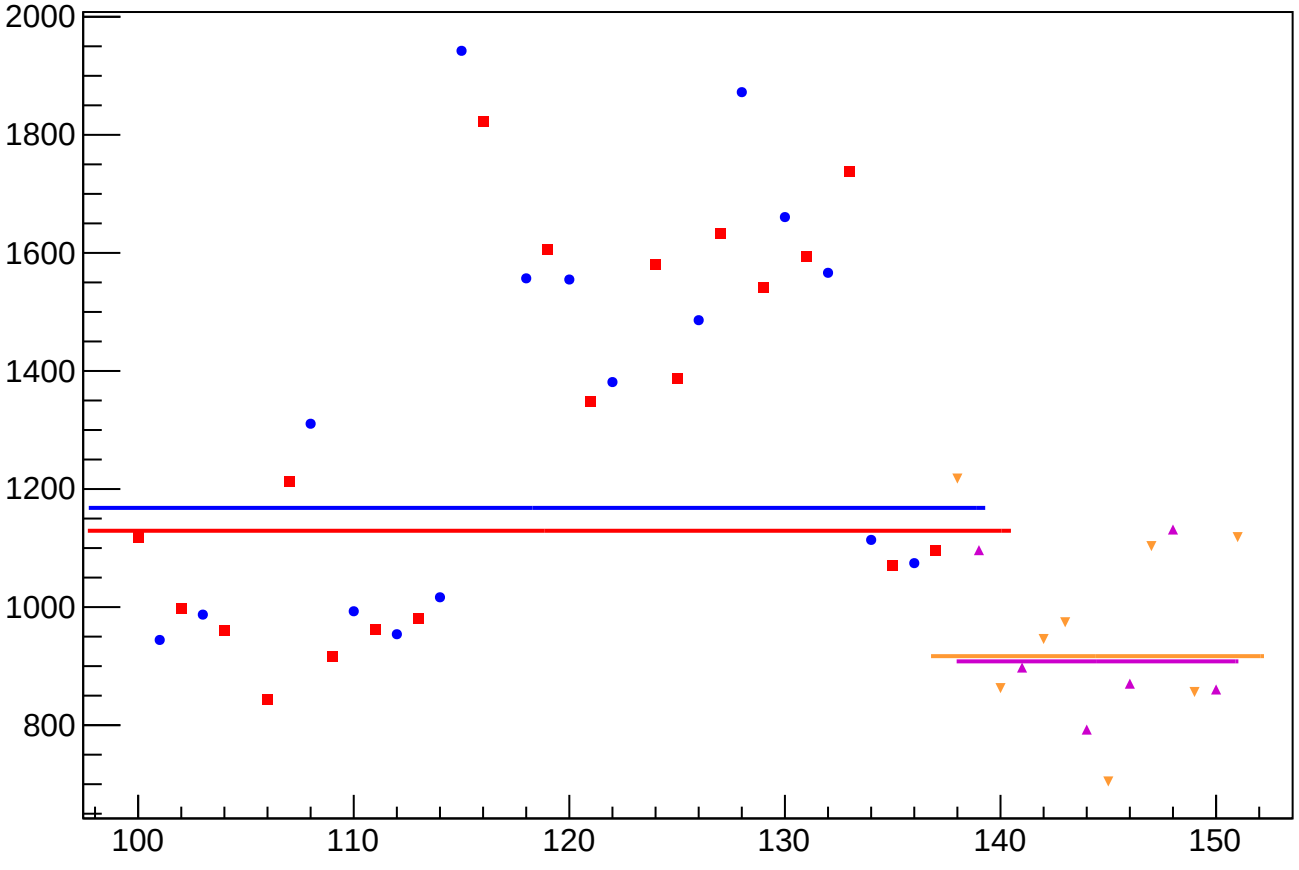
Left In: -655.257+/-401.997 χ^2/NDF:3.8/5

+ sign -830.693+/-287.596 χ^2/NDF: 36.1/23

All: -842.679+/-205.023 χ^2/NDF: 55.0/48

- sign -855.065+/-292.356 χ^2/NDF: 18.9/24

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 916.901+/-0.266 χ^2/NDF:362416.9/7

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

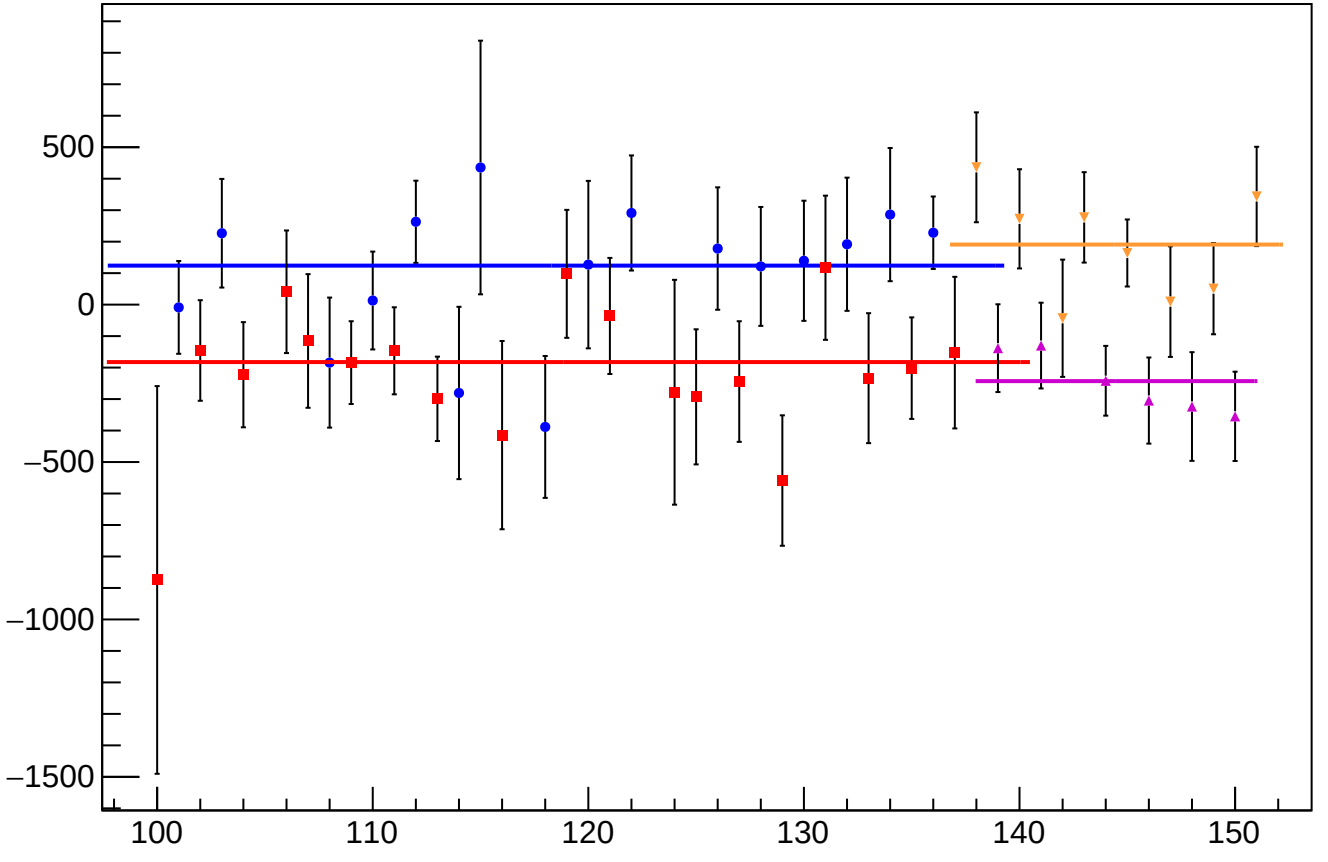
Left In: 908.068+/-0.284 χ^2/NDF:159916.6/5

+ sign 1020.715+/-0.203 χ^2/NDF: 1441661.9/23

All: 1016.575+/-0.145 χ^2/NDF: 2695042.6/48

- sign 1012.297+/-0.207 χ^2/NDF: 1252538.0/24

eigen_dit_asym_sam_48_dd_mean vs Slug



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 190.828+/-52.785 χ^2/NDF:7.2/7

Right Out: -182.468+/-43.224 χ^2/NDF: 12.3/18

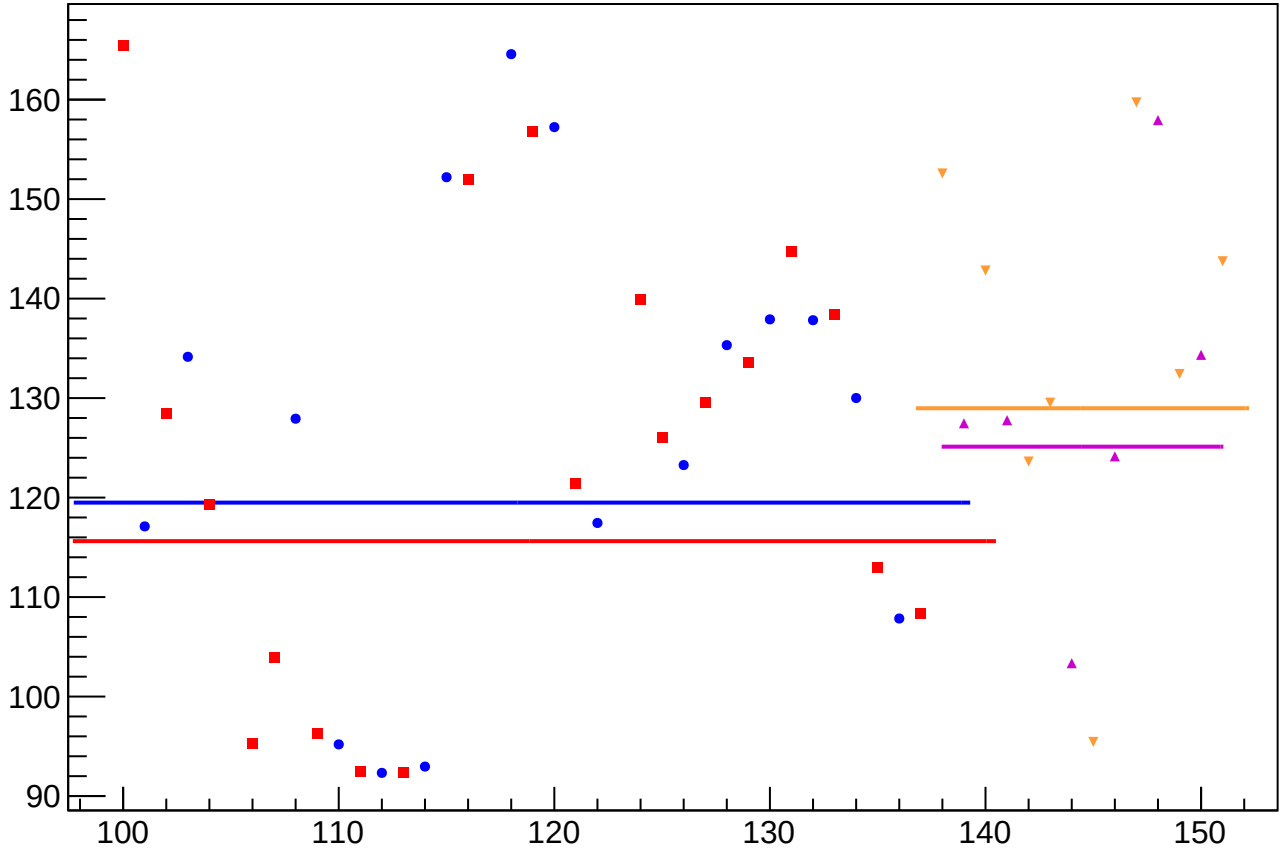
Left In: -242.985+/-55.599 χ^2/NDF:2.3/5

+ sign 152.238+/-34.349 χ^2/NDF: 23.5/23

All: -27.685+/-24.209 χ^2/NDF: 93.4/48

- sign -205.265+/-34.125 χ^2/NDF: 15.3/24

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 128.979+/-0.037 χ^2/NDF:332052.6/7

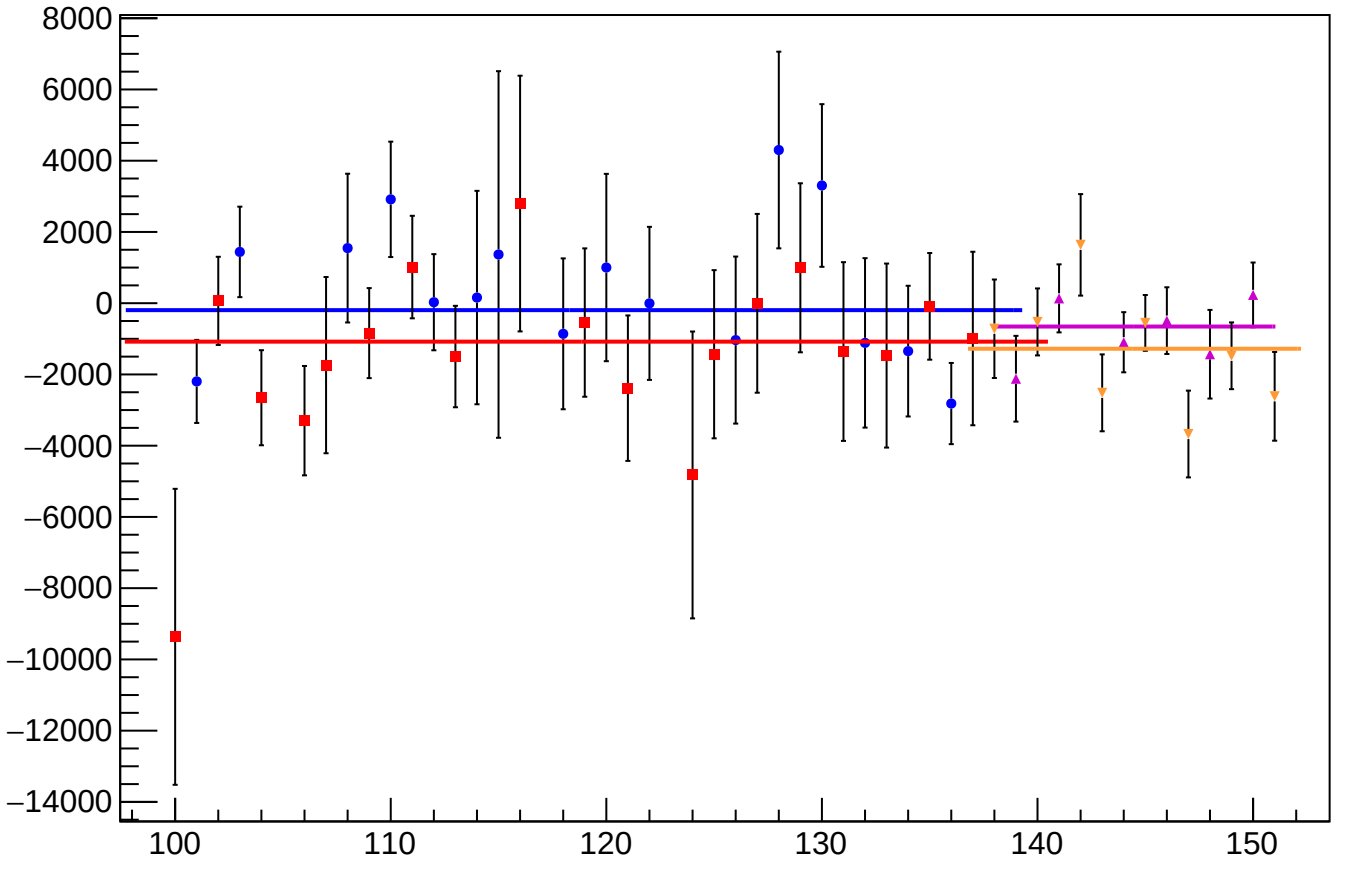
Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 125.117+/-0.039 χ^2/NDF:159373.1/5

+ sign 123.511+/-0.024 χ^2/NDF: 749531.7/23

All: 121.341+/-0.017 χ^2/NDF: 1388091.5/48

- sign 119.199+/-0.024 χ^2/NDF: 622696.8/24



Right In: -195.085+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1278.509+/-375.481 χ^2/NDF:12.2/7

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

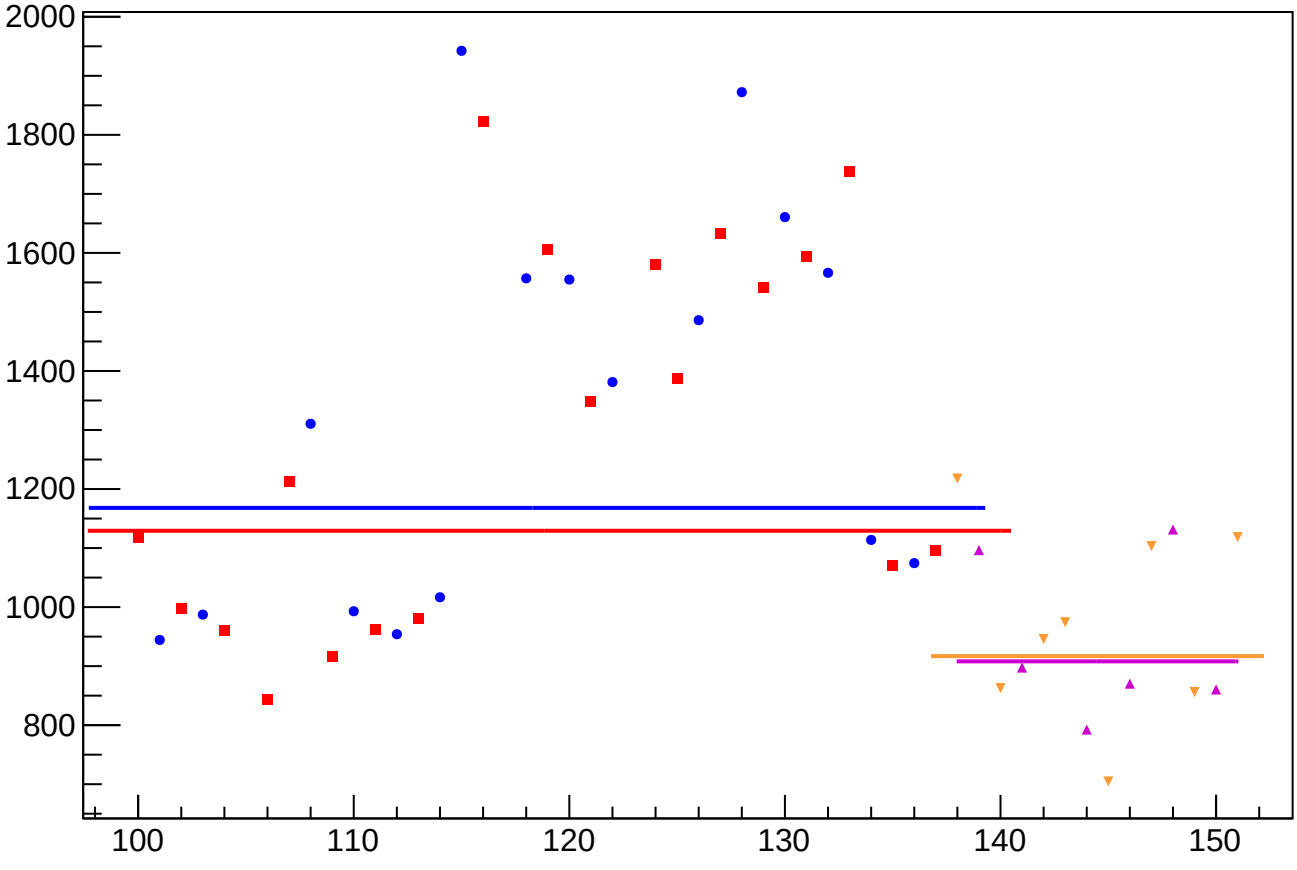
Left In: -655.257+/-401.997 χ^2/NDF:3.8/5

+ sign -830.692+/-287.596 χ^2/NDF: 36.1/23

All: -842.678+/-205.023 χ^2/NDF: 55.0/48

- sign -855.065+/-292.356 χ^2/NDF: 18.9/24

asym_sam_48_dd_eigen_dit_correction_rms vs Slug



Right In: 1168.063+/-0.316 χ^2/NDF: 709365.6/15

Left Out: 916.901+/-0.266 χ^2/NDF:362420.1/7

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

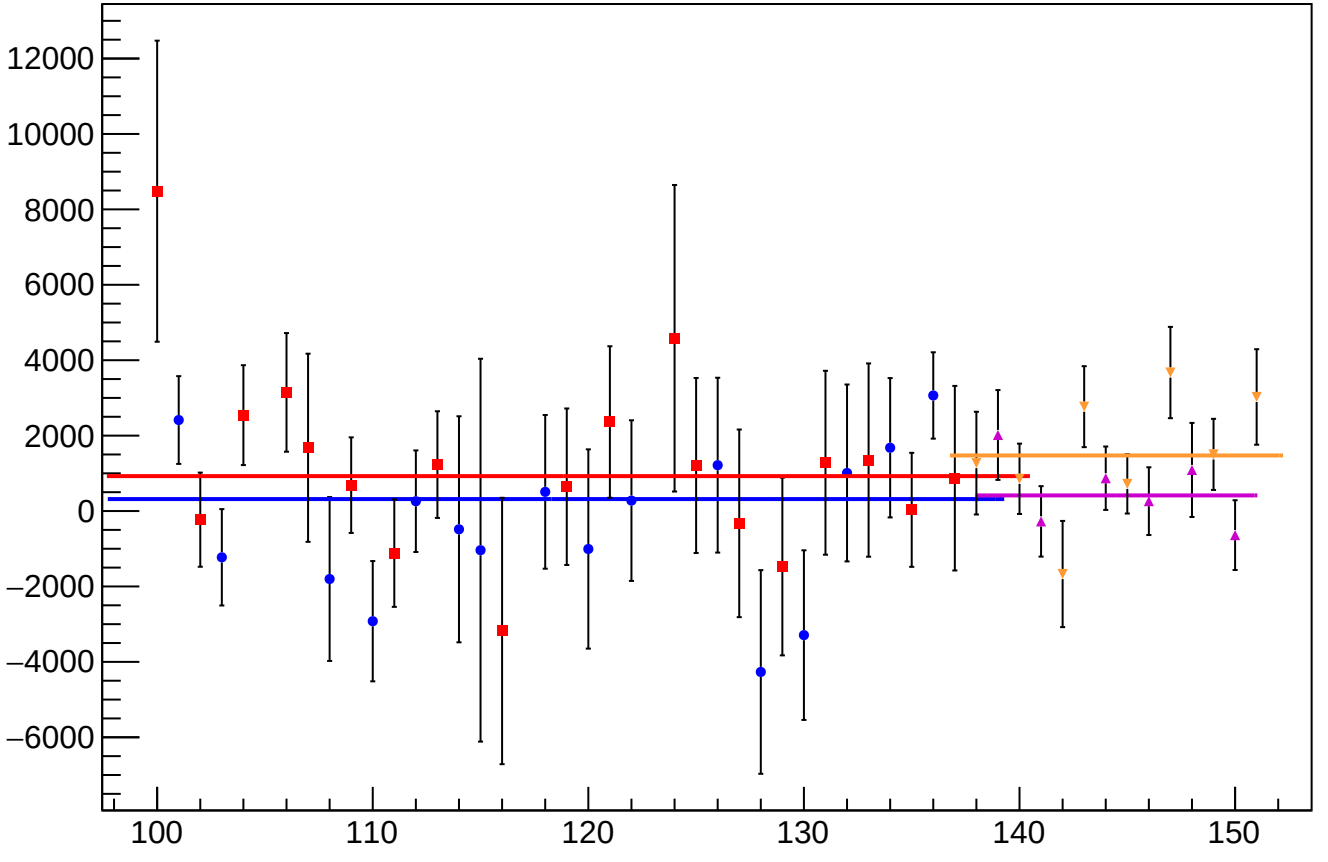
Left In: 908.068+/-0.284 χ^2/NDF:159916.7/5

+ sign 1020.715+/-0.203 χ^2/NDF: 1441669.2/23

All: 1016.575+/-0.145 χ^2/NDF: 2695050.1/48

- sign 1012.297+/-0.207 χ^2/NDF: 1252538.2/24

asym_sam_48_dd_mean vs Slug



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

Left Out: 1473.843+/-375.086 χ^2/NDF:12.6/7

Right Out: 926.036+/-425.405 χ^2/NDF: 14.5/18

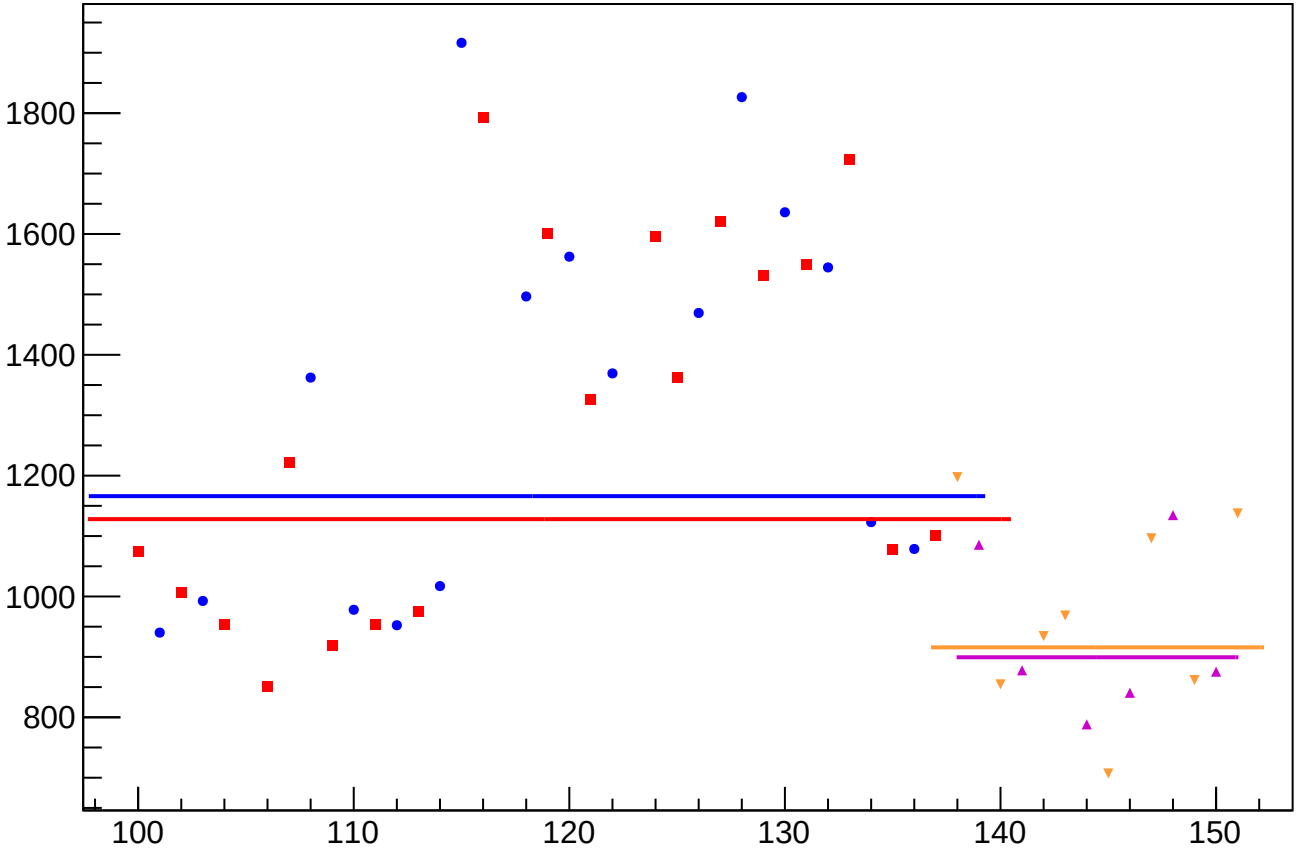
Left In: 414.387+/-397.888 χ^2/NDF:4.3/5

+ sign 995.173+/-287.155 χ^2/NDF: 38.7/23

All: 826.185+/-204.253 χ^2/NDF: 59.0/48

- sign 653.130+/-290.591 χ^2/NDF: 19.6/24

asym_sam_48_dd_rms vs Slug



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 915.761+/-0.265 χ^2/NDF:352450.9/7

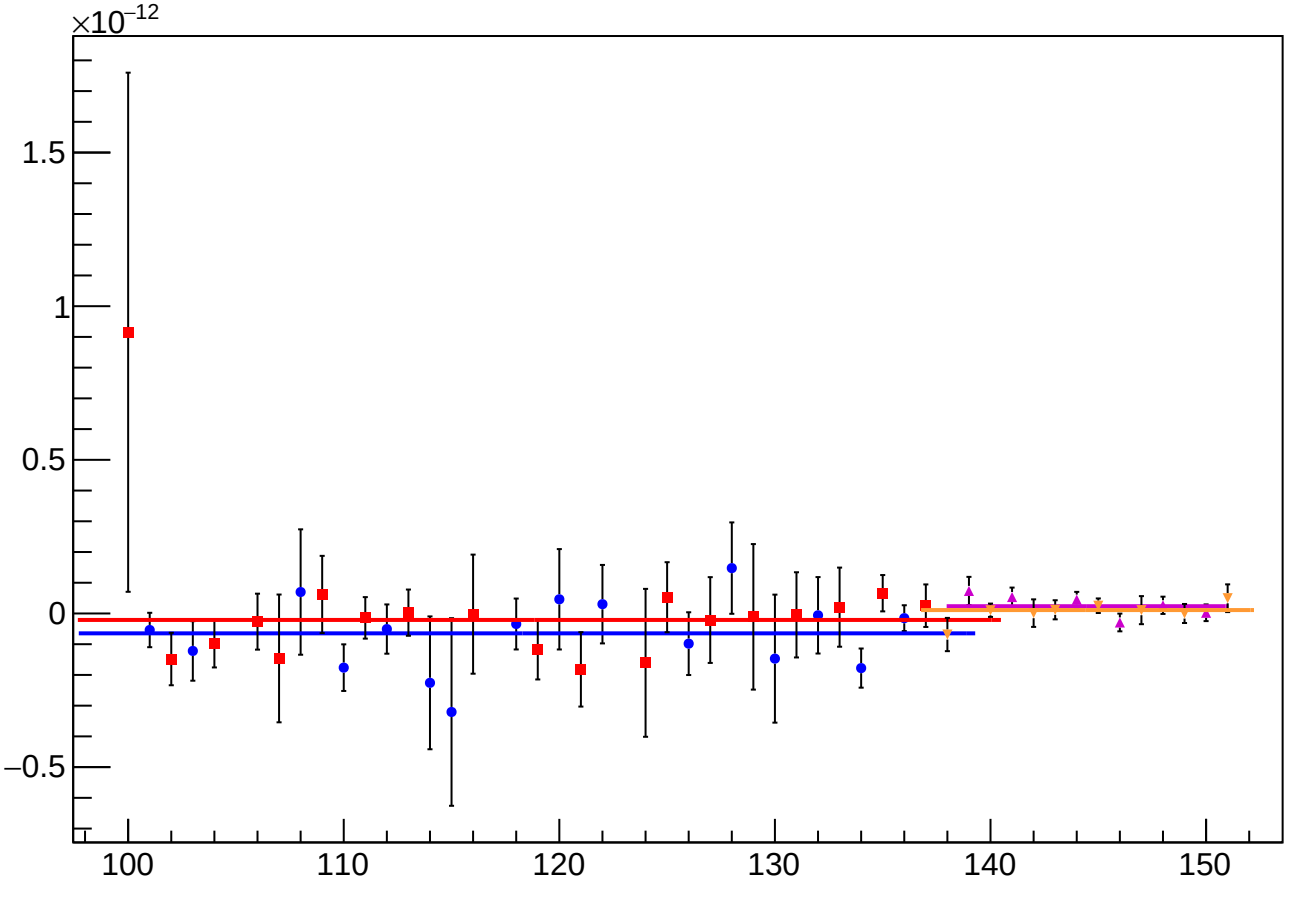
Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 899.368+/-0.281 χ^2/NDF:165910.5/5

+ sign 1019.359+/-0.203 χ^2/NDF: 1398127.2/23

All: 1012.786+/-0.144 χ^2/NDF: 2650077.5/48

- sign 1006.054+/-0.205 χ^2/NDF: 1249828.8/24



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.4/7

Right Out: -0.000+/-0.000 χ^2/NDF: 11.5/18

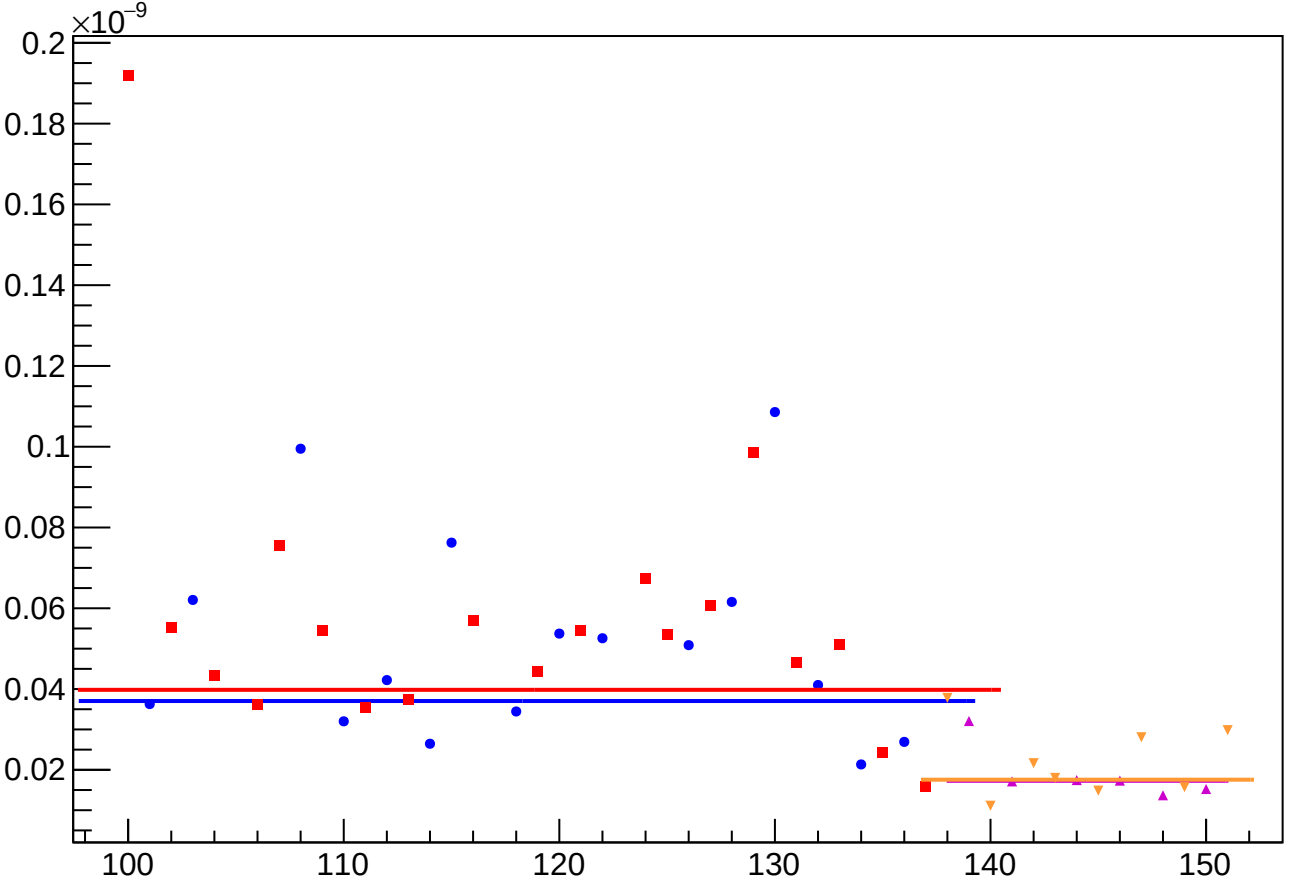
Left In: 0.000+/-0.000 χ^2/NDF:6.8/5

+ sign -0.000+/-0.000 χ^2/NDF: 25.4/23

All: 0.000+/-0.000 χ^2/NDF: 48.4/48

- sign 0.000+/-0.000 χ^2/NDF: 21.3/24

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:760384.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

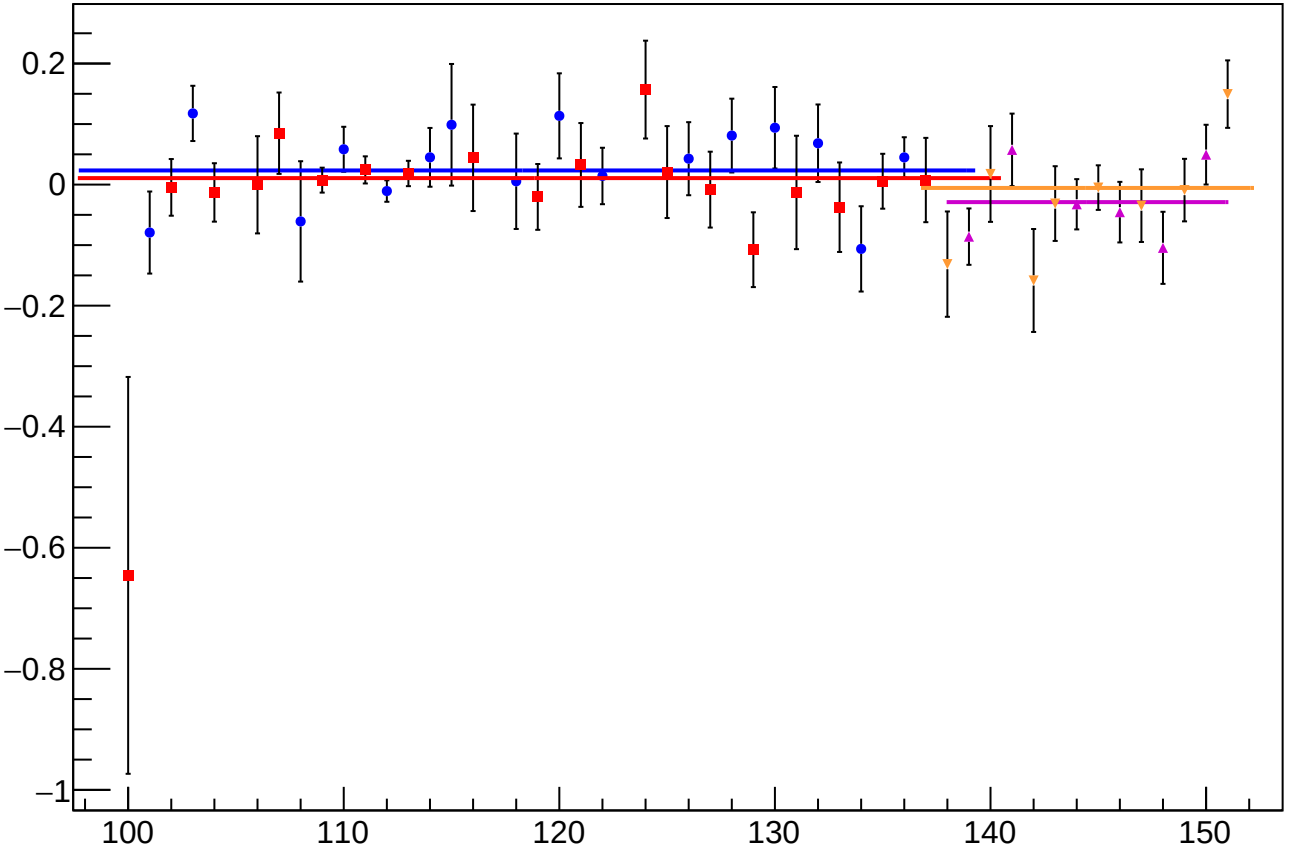
Left In: 0.000+/-0.000 χ^2/NDF:252674.7/5

+ sign 0.000+/-0.000 χ^2/NDF: 3009794.9/23

All: 0.000+/-0.000 χ^2/NDF: 5664344.3/48

- sign 0.000+/-0.000 χ^2/NDF: 2653214.6/24

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: -0.006+/-0.020 χ^2/NDF:13.6/7

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

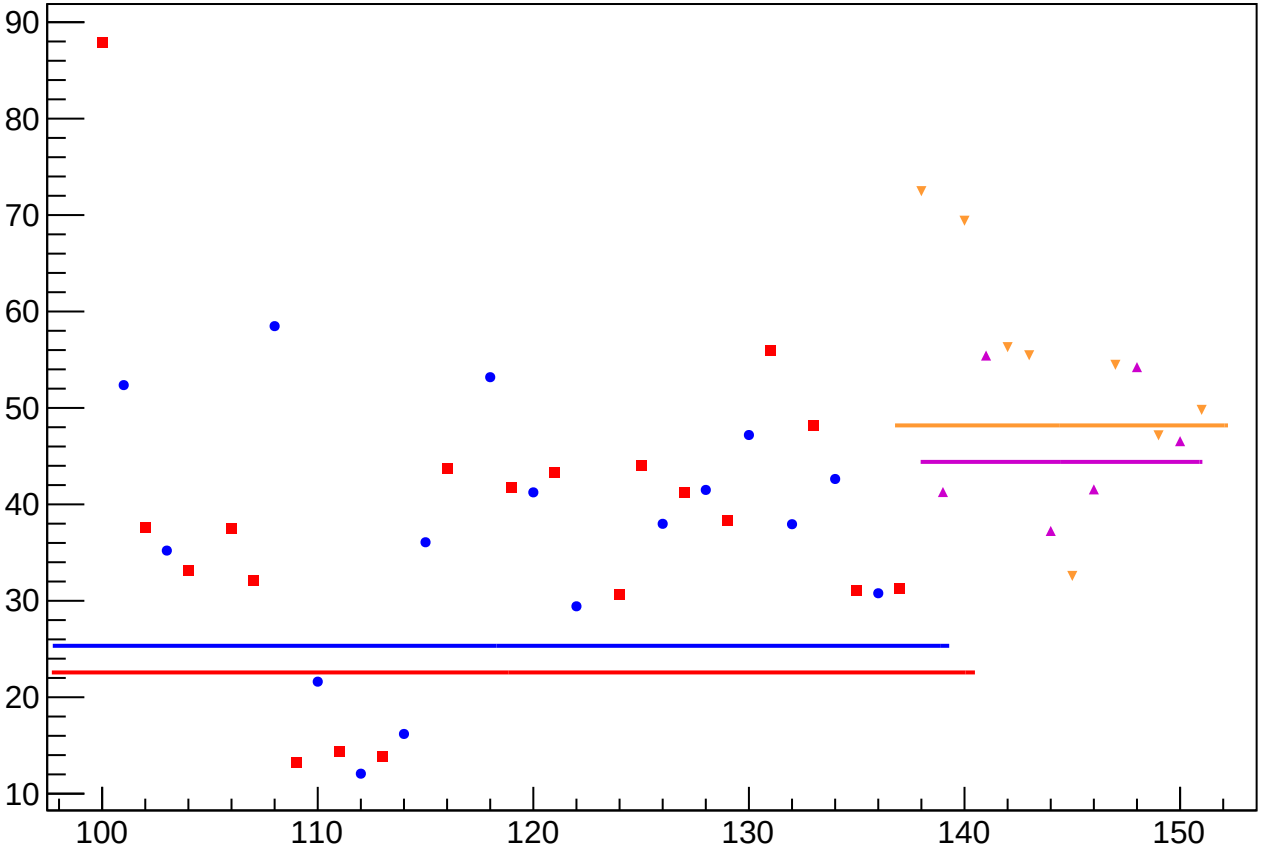
Left In: -0.029+/-0.020 χ^2/NDF:7.8/5

+ sign 0.017+/-0.010 χ^2/NDF: 35.8/23

All: 0.009+/-0.007 χ^2/NDF: 62.1/48

- sign 0.003+/-0.009 χ^2/NDF: 25.2/24

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: 48.188+/-0.014 χ^2/NDF:729299.7/7

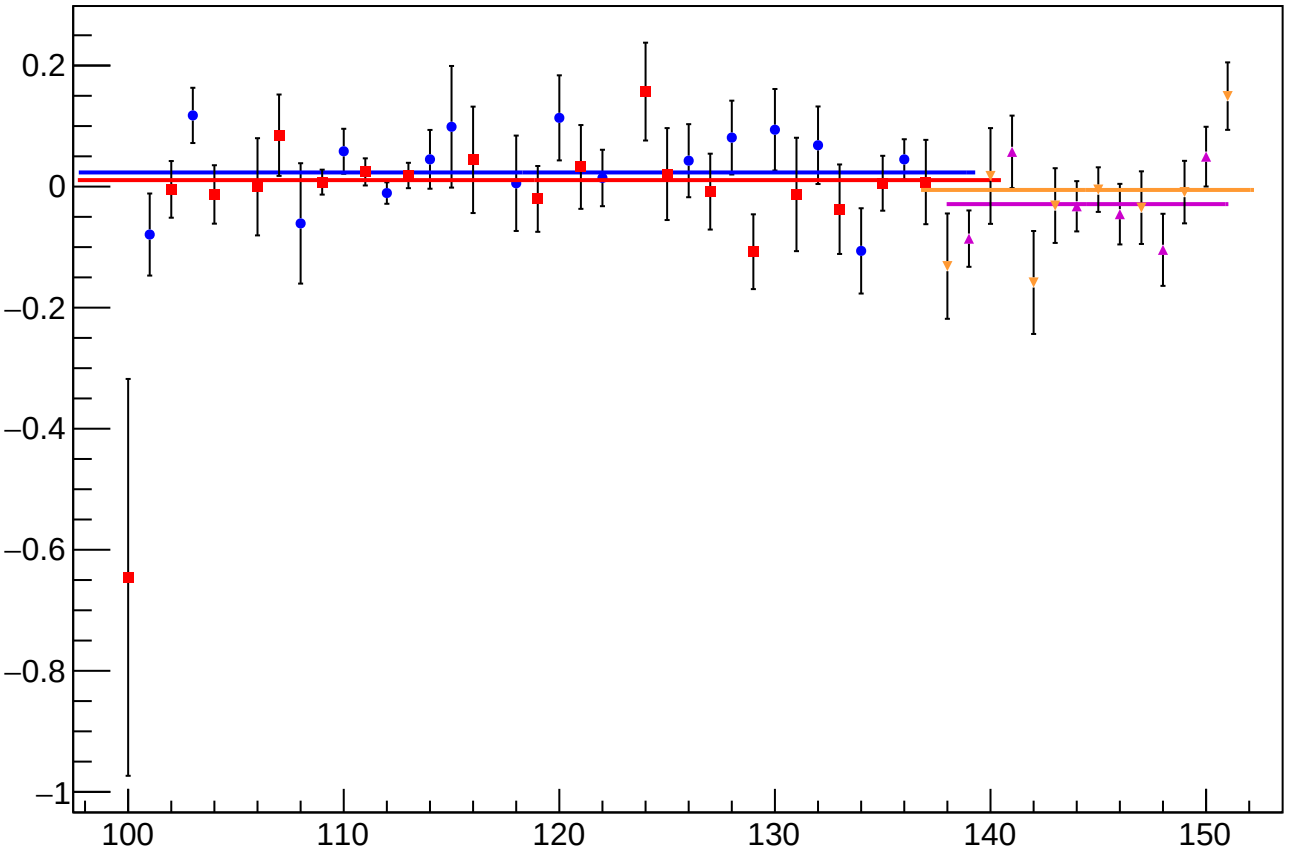
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 44.405+/-0.014 χ^2/NDF:201061.7/5

\+ sign 30.534+/-0.007 χ^2/NDF: 5594309.1/23

All: 28.421+/-0.005 χ^2/NDF: 10974391.0/48

\- sign 26.679+/-0.006 χ^2/NDF: 5207988.4/24



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.006+/-0.020 χ^2/NDF:13.6/7

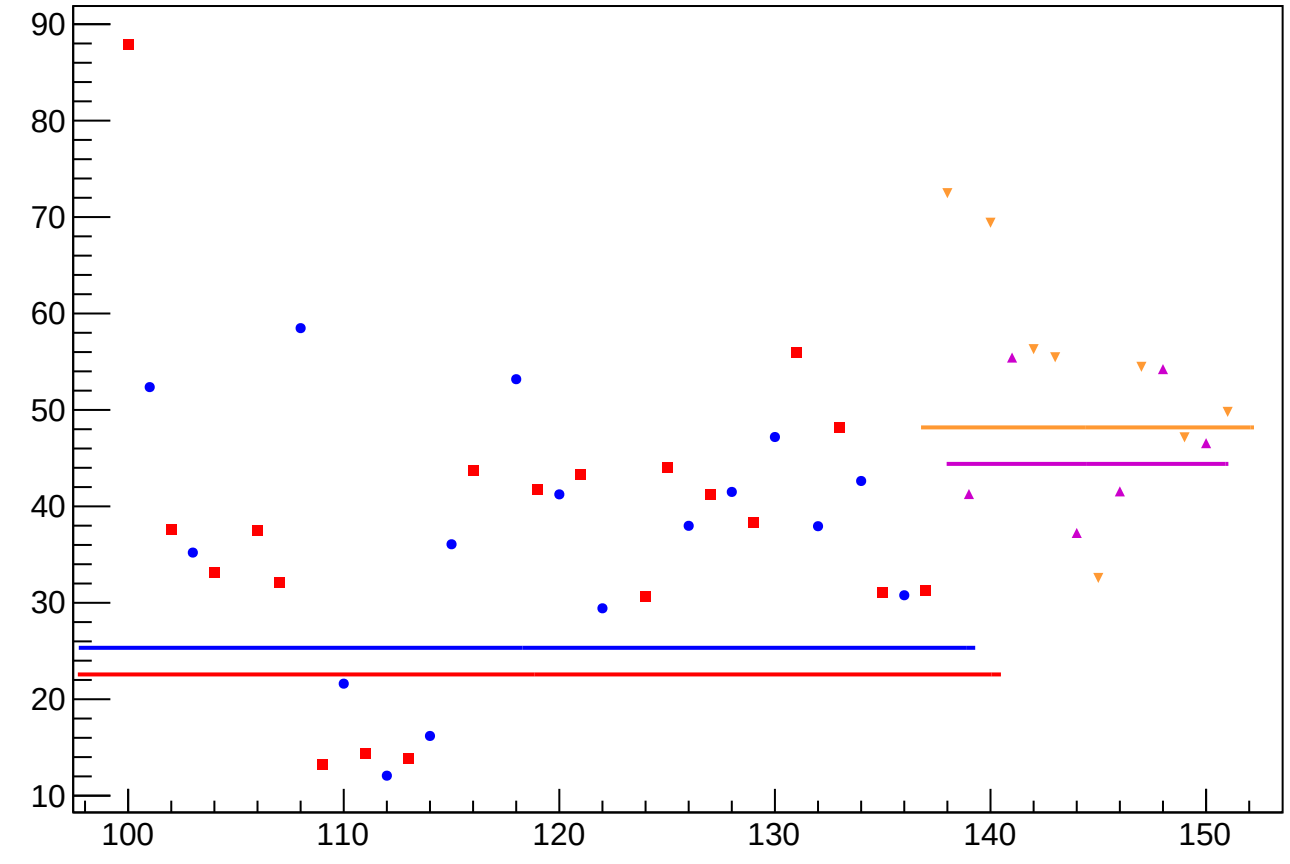
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.029+/-0.020 χ^2/NDF:7.8/5

+ sign 0.017+/-0.010 χ^2/NDF: 35.8/23

All: 0.009+/-0.007 χ^2/NDF: 62.1/48

- sign 0.003+/-0.009 χ^2/NDF: 25.2/24



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 48.188+/-0.014 χ^2/NDF:729299.7/7

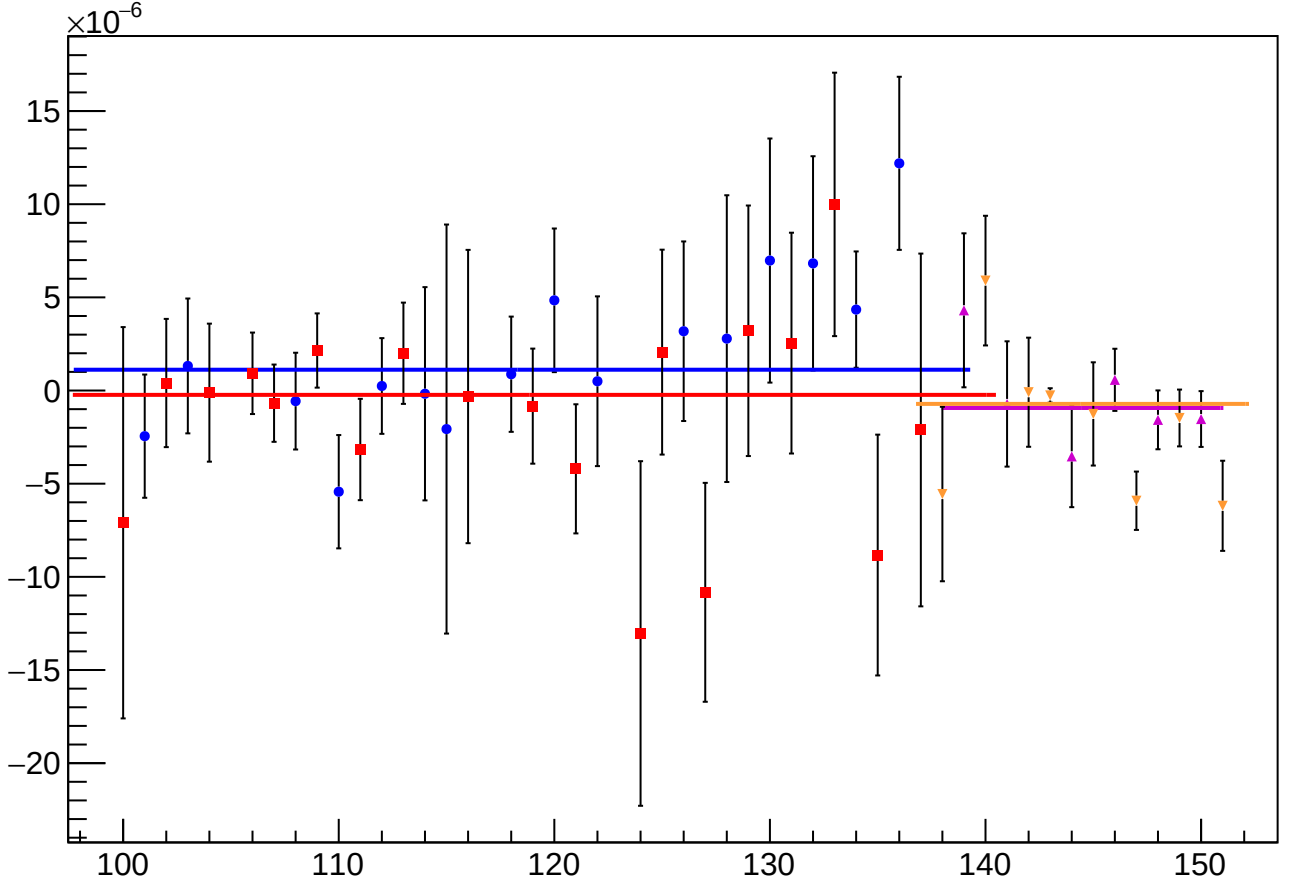
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 44.405+/-0.014 χ^2/NDF:201061.7/5

+ sign 30.534+/-0.007 χ^2/NDF: 5594309.1/23

All: 28.421+/-0.005 χ^2/NDF: 10974391.0/48

- sign 26.679+/-0.006 χ^2/NDF: 5207988.4/24



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.5/7

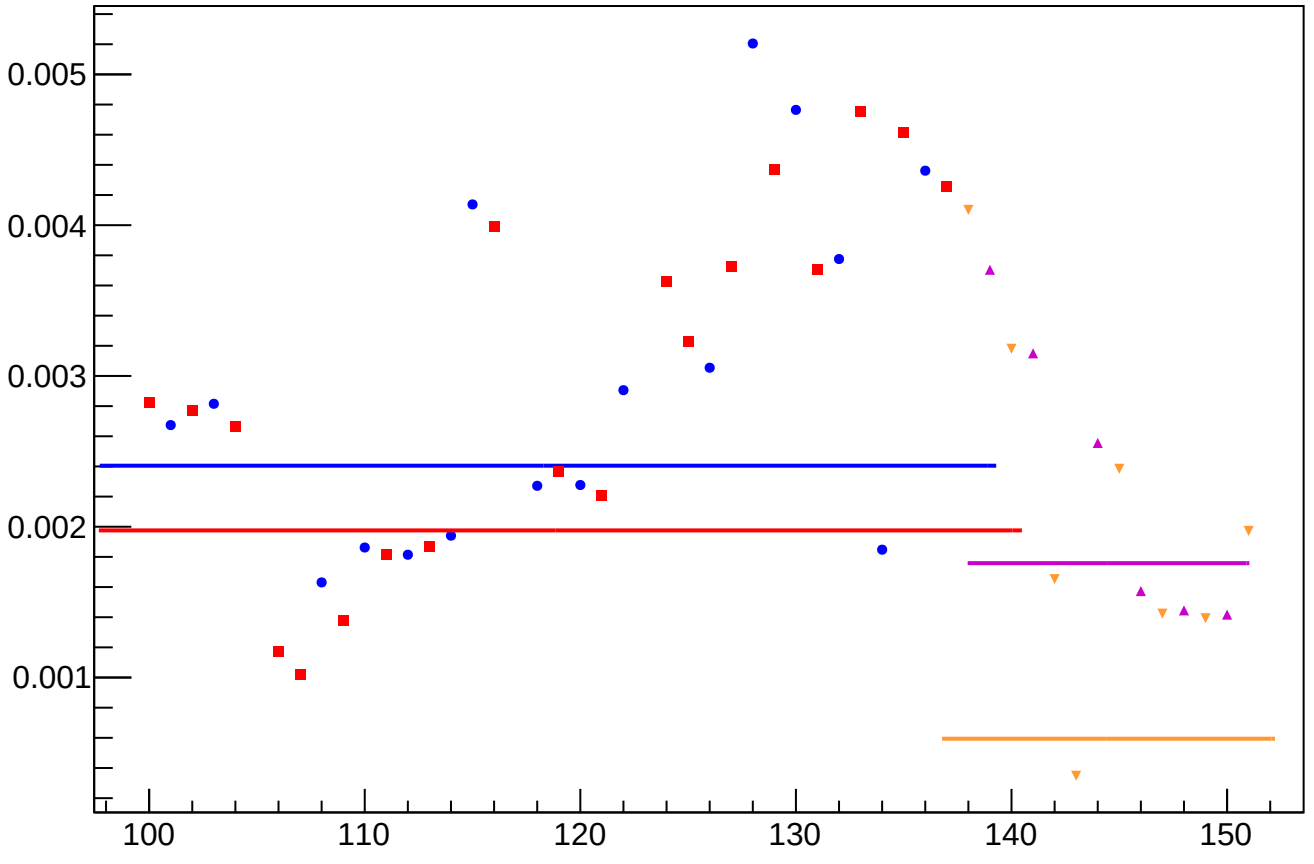
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/18

Left In: -0.000+/-0.000 χ^2/NDF:3.7/5

+ sign -0.000+/-0.000 χ^2/NDF: 42.0/23

All: -0.000+/-0.000 χ^2/NDF: 61.2/48

- sign -0.000+/-0.000 χ^2/NDF: 19.2/24



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:5891885.5/7

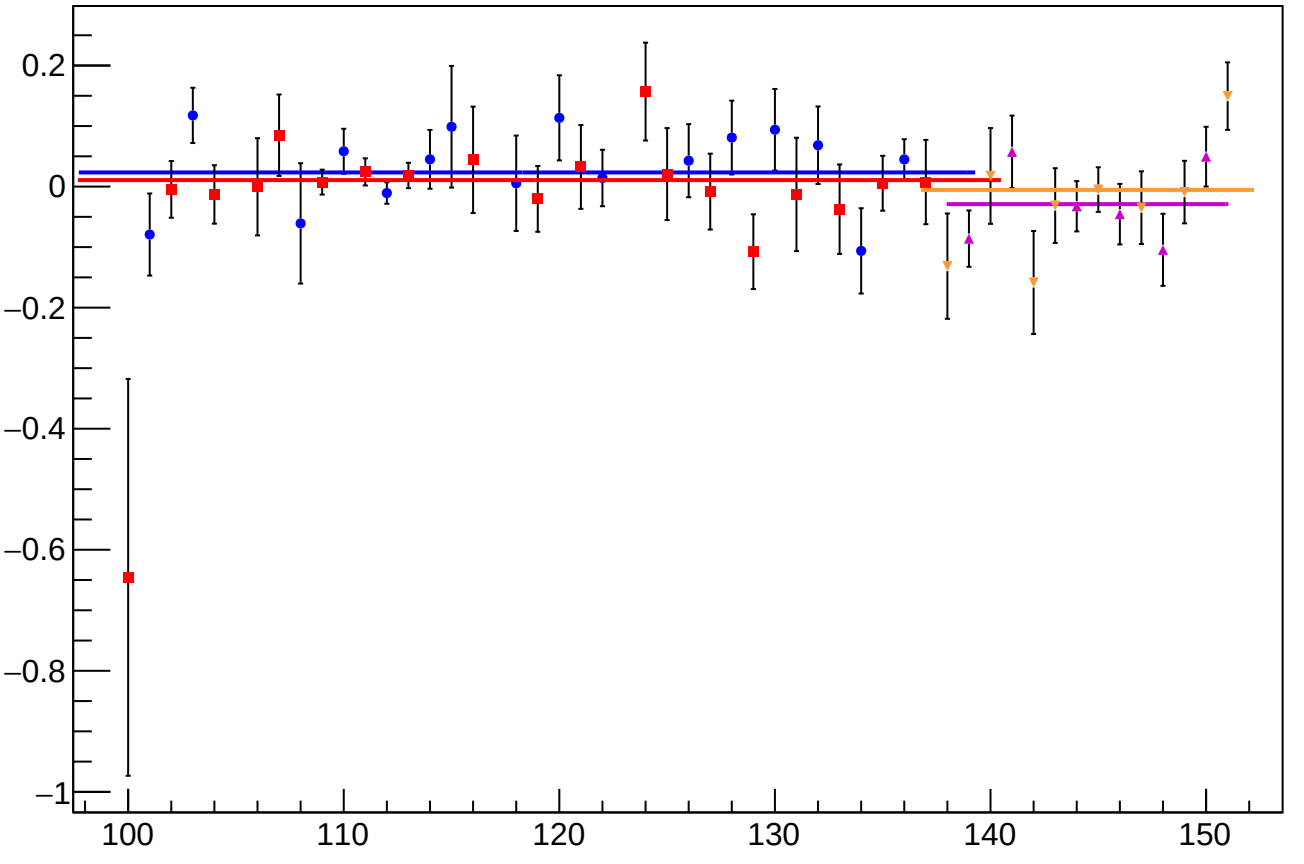
Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.002+/-0.000 χ^2/NDF:1164064.6/5

+ sign 0.001+/-0.000 χ^2/NDF: 13800217.5/23

All: 0.001+/-0.000 χ^2/NDF: 22874676.8/48

- sign 0.002+/-0.000 χ^2/NDF: 4010221.1/24



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.006+/-0.020 χ^2/NDF:13.6/7

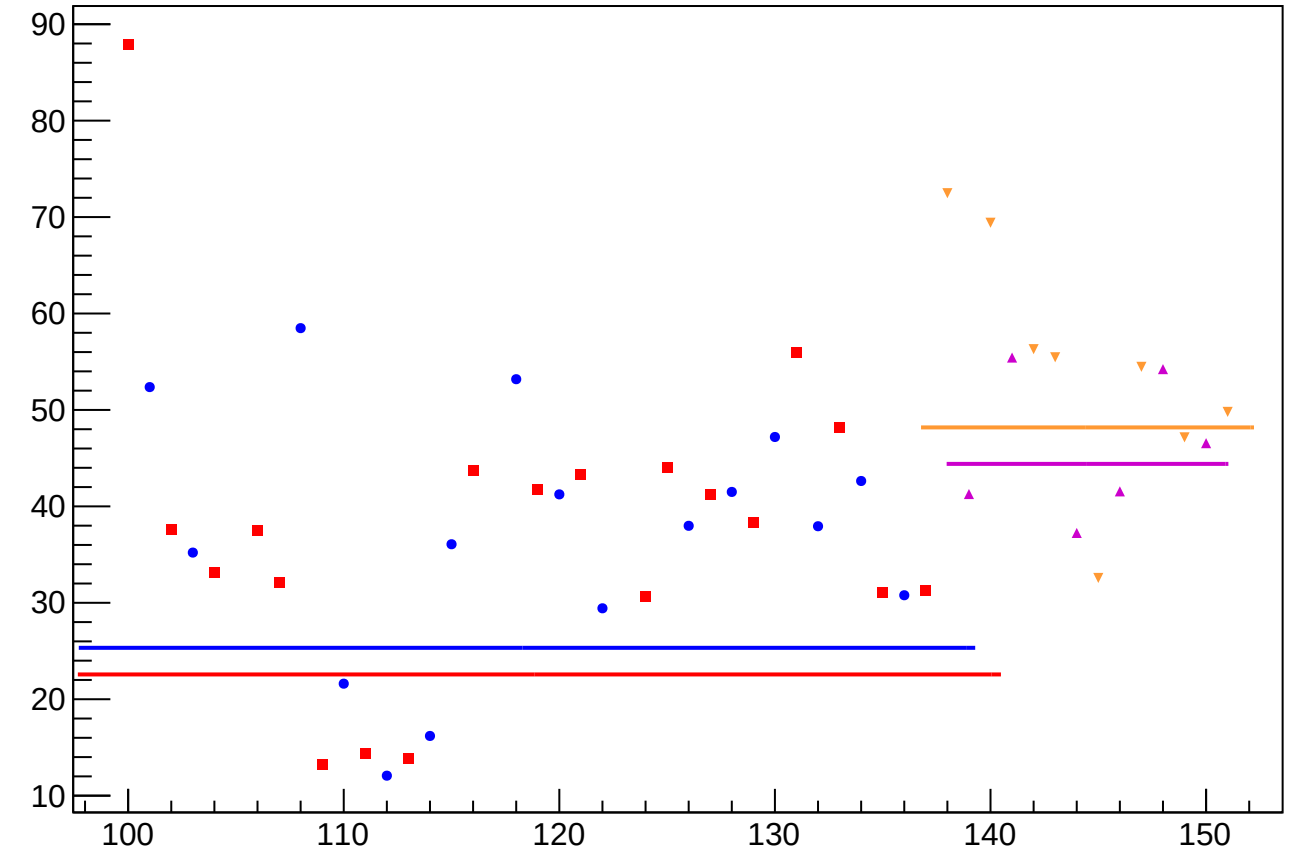
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.029+/-0.020 χ^2/NDF:7.8/5

+ sign 0.017+/-0.010 χ^2/NDF: 35.8/23

All: 0.009+/-0.007 χ^2/NDF: 62.1/48

- sign 0.003+/-0.009 χ^2/NDF: 25.2/24



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 48.188+/-0.014 χ^2/NDF:729268.8/7

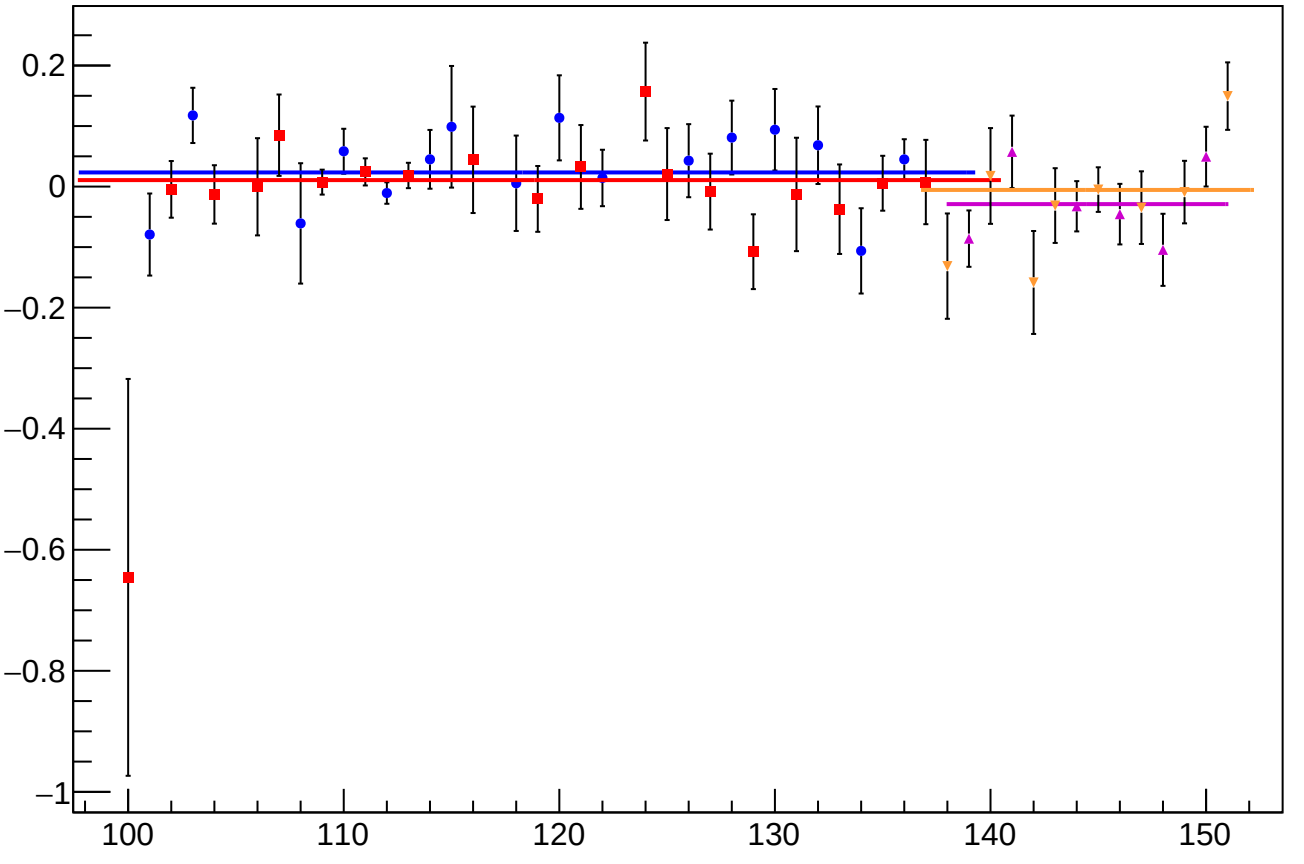
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 44.406+/-0.014 χ^2/NDF:201049.2/5

+ sign 30.532+/-0.007 χ^2/NDF: 5594985.6/23

All: 28.420+/-0.005 χ^2/NDF: 10975211.3/48

- sign 26.679+/-0.006 χ^2/NDF: 5208211.7/24



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.006+/-0.020 χ^2/NDF:13.6/7

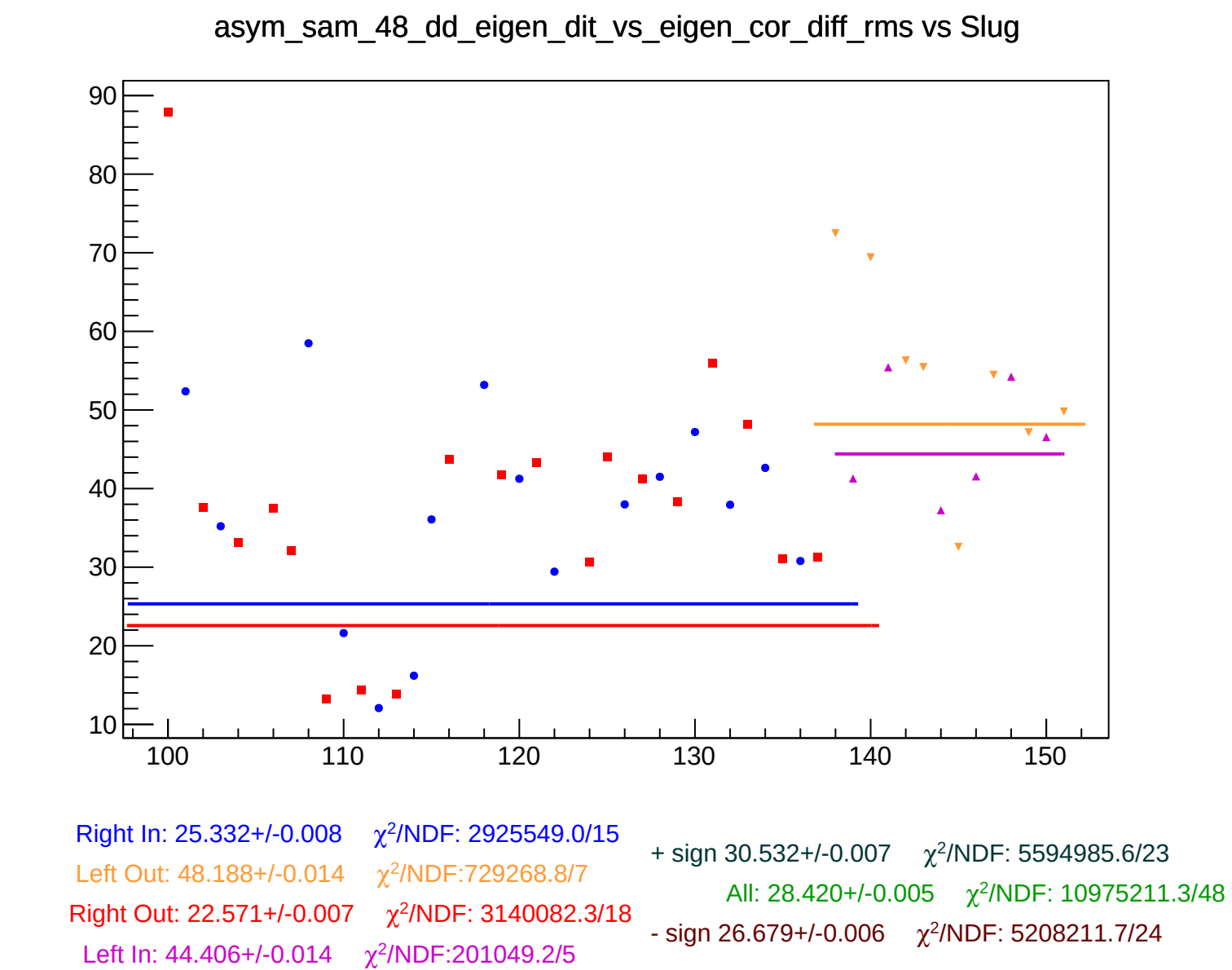
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

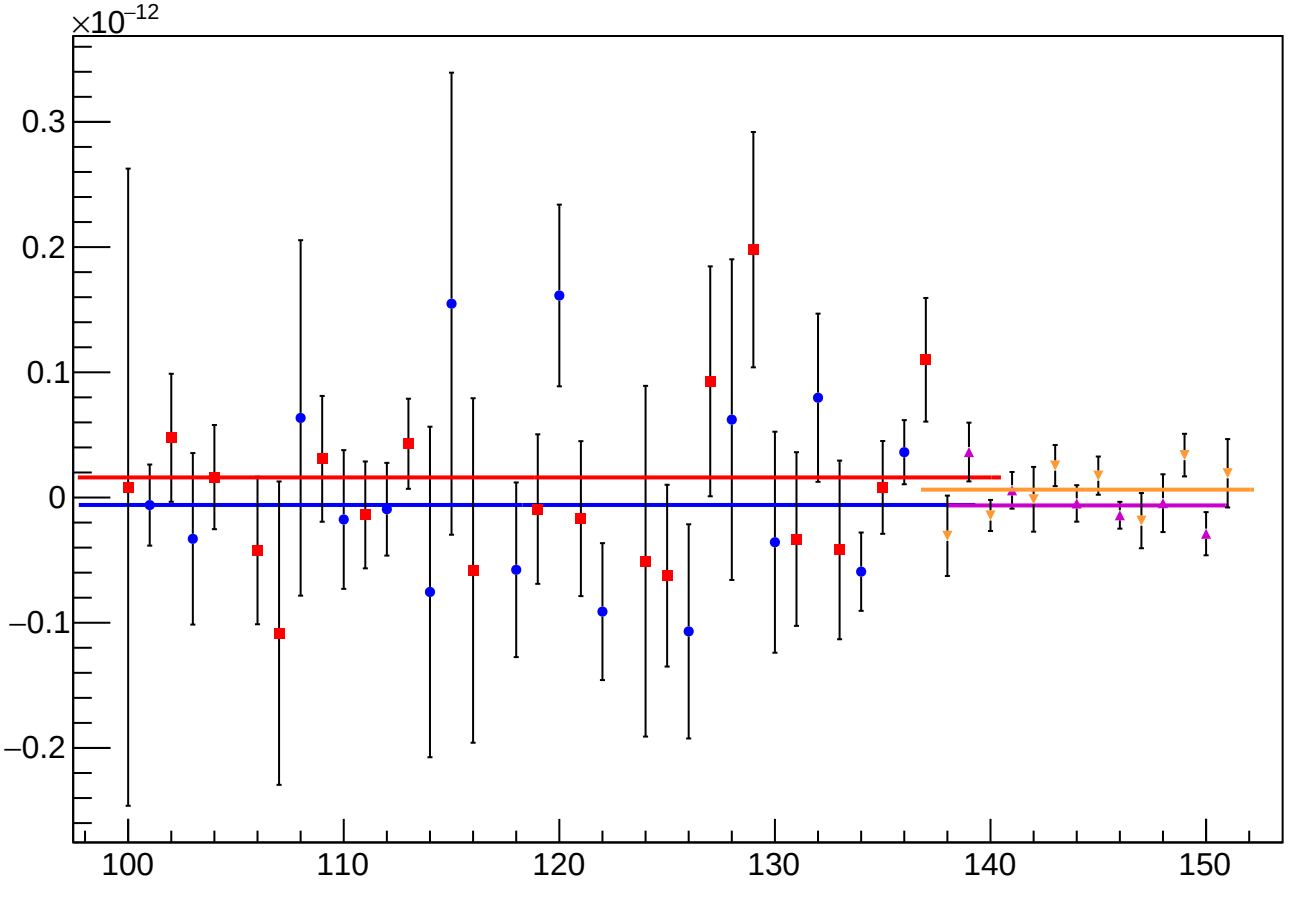
Left In: -0.029+/-0.020 χ^2/NDF:7.8/5

+ sign 0.017+/-0.010 χ^2/NDF: 35.8/23

All: 0.009+/-0.007 χ^2/NDF: 62.1/48

- sign 0.003+/-0.009 χ^2/NDF: 25.2/24


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
Right In: 25.332+/-0.008 χ²/NDF: 2925549.0/15
Left Out: 48.188+/-0.014 χ²/NDF:729268.8/7
Right Out: 22.571+/-0.007 χ²/NDF: 3140082.3/18
Left In: 44.406+/-0.014 χ²/NDF:201049.2/5
+ sign 30.532+/-0.007 χ²/NDF: 5594985.6/23
All: 28.420+/-0.005 χ²/NDF: 10975211.3/48
- sign 26.679+/-0.006 χ²/NDF: 5208211.7/24



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.2/7

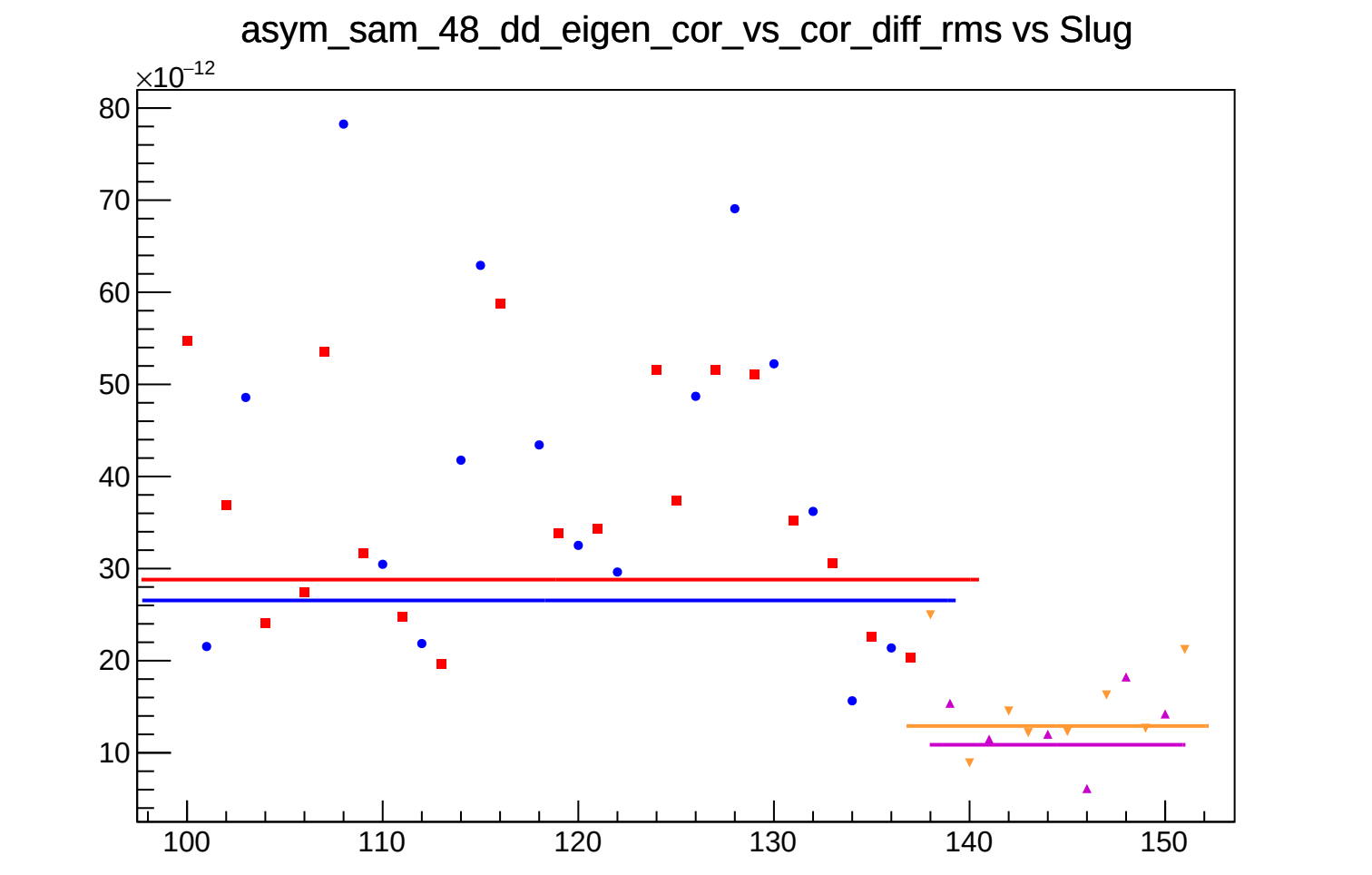
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: -0.000+/-0.000 χ^2/NDF:6.3/5

+ sign 0.000+/-0.000 χ^2/NDF: 29.7/23

All: 0.000+/-0.000 χ^2/NDF: 53.8/48

- sign -0.000+/-0.000 χ^2/NDF: 23.5/24



Right In: 0.000+/-0.000 χ^2/NDF: 1693643.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:738217.6/7

Right Out: 0.000+/-0.000 χ^2/NDF: 910681.7/18

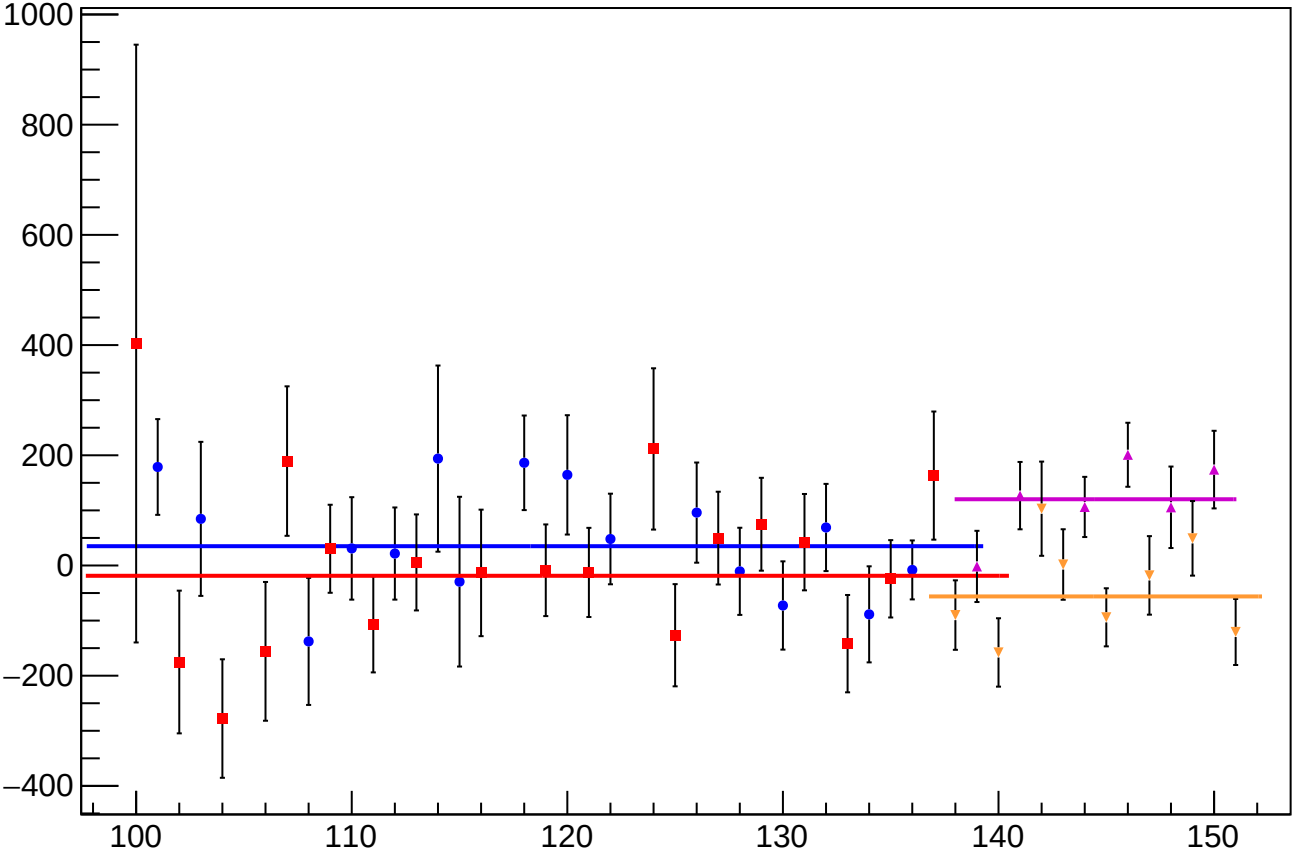
Left In: 0.000+/-0.000 χ^2/NDF:763336.8/5

+ sign 0.000+/-0.000 χ^2/NDF: 4256484.2/23

All: 0.000+/-0.000 χ^2/NDF: 8974760.0/48

- sign 0.000+/-0.000 χ^2/NDF: 4644622.5/24

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -56.167+/-22.668 χ^2/NDF:11.6/7

Right Out: -18.690+/-22.137 χ^2/NDF: 23.5/18

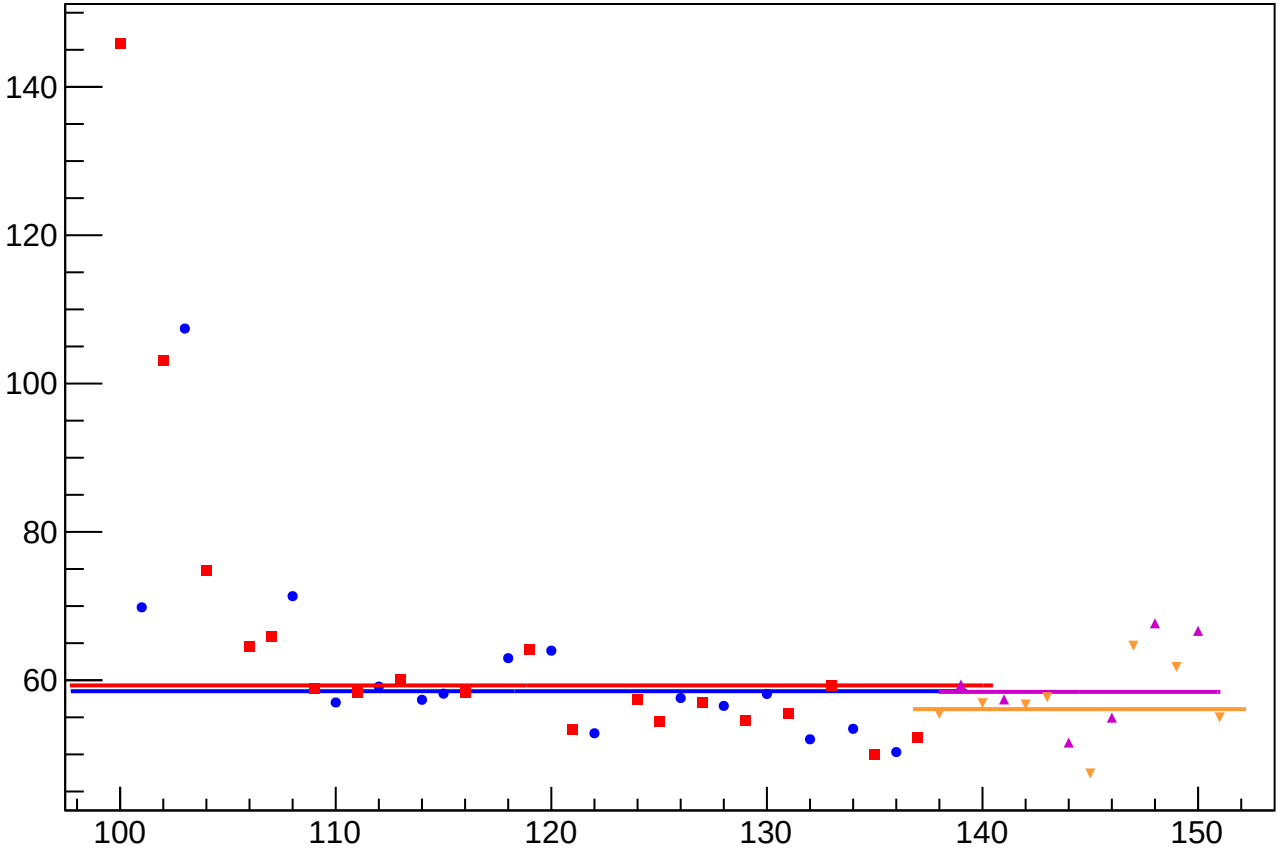
Left In: 120.204+/-25.621 χ^2/NDF:6.2/5

+ sign -9.488+/-15.837 χ^2/NDF: 36.1/23

All: 14.189+/-11.508 χ^2/NDF: 87.4/48

- sign 40.678+/-16.751 χ^2/NDF: 46.5/24

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 56.107+/-0.016 χ^2/NDF:99728.7/7

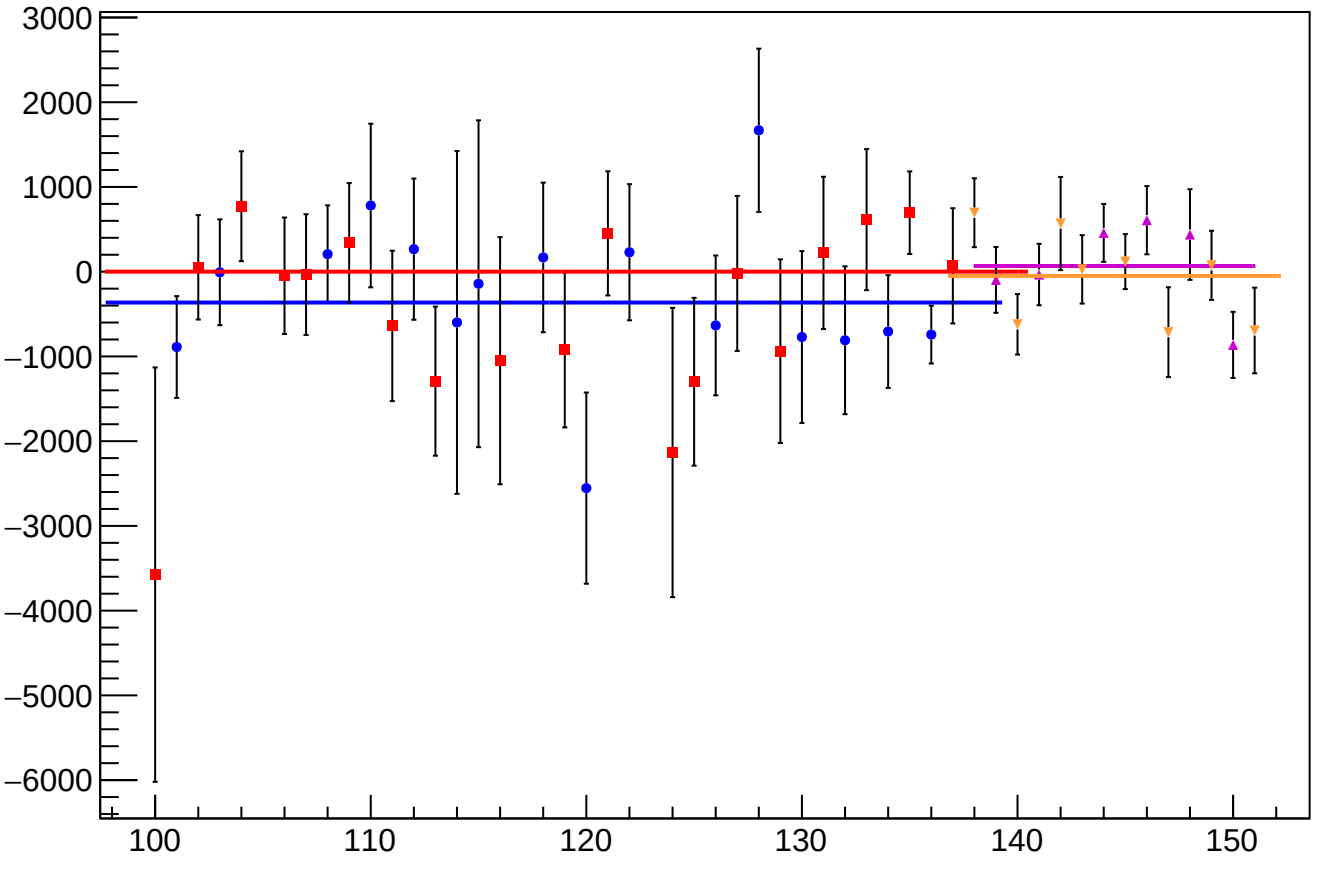
Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

Left In: 58.431+/-0.018 χ^2/NDF:98022.6/5

+ sign 57.343+/-0.011 χ^2/NDF: 504084.4/23

All: 58.092+/-0.008 χ^2/NDF: 1019505.7/48

- sign 58.929+/-0.012 χ^2/NDF: 505956.6/24



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: -49.572+/-146.929 χ^2/NDF:10.8/7

Right Out: 0.570+/-183.085 χ^2/NDF: 15.1/18

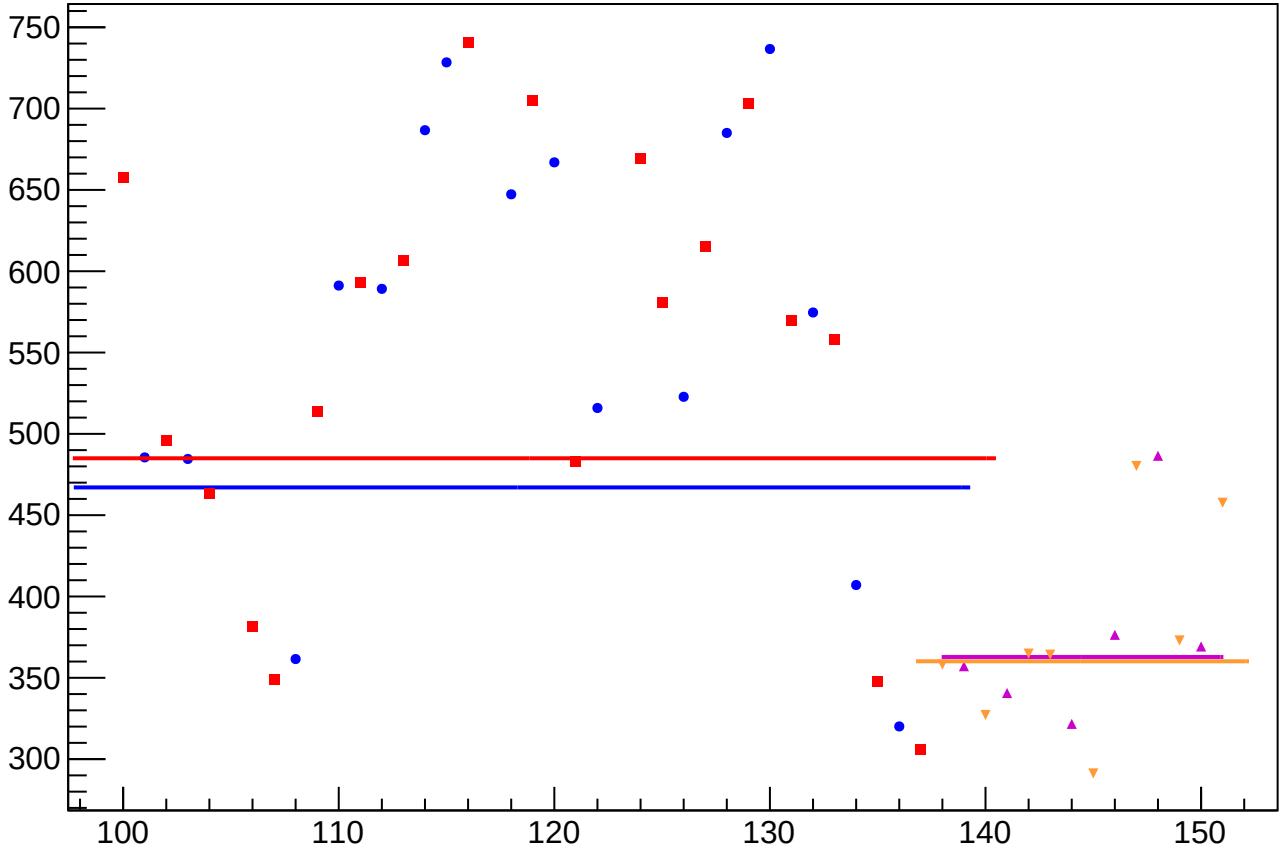
Left In: 67.382+/-160.065 χ^2/NDF:9.5/5

+ sign -174.829+/-113.975 χ^2/NDF: 27.8/23

All: -74.131+/-82.805 χ^2/NDF: 54.2/48

- sign 38.438+/-120.505 χ^2/NDF: 24.7/24

asym_sam_13_57_dd_reg_correction_rms vs Slug



Right In: 467.068+/-0.128 χ^2/NDF: 1030279.0/15

Left Out: 360.146+/-0.104 χ^2/NDF:286901.2/7

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

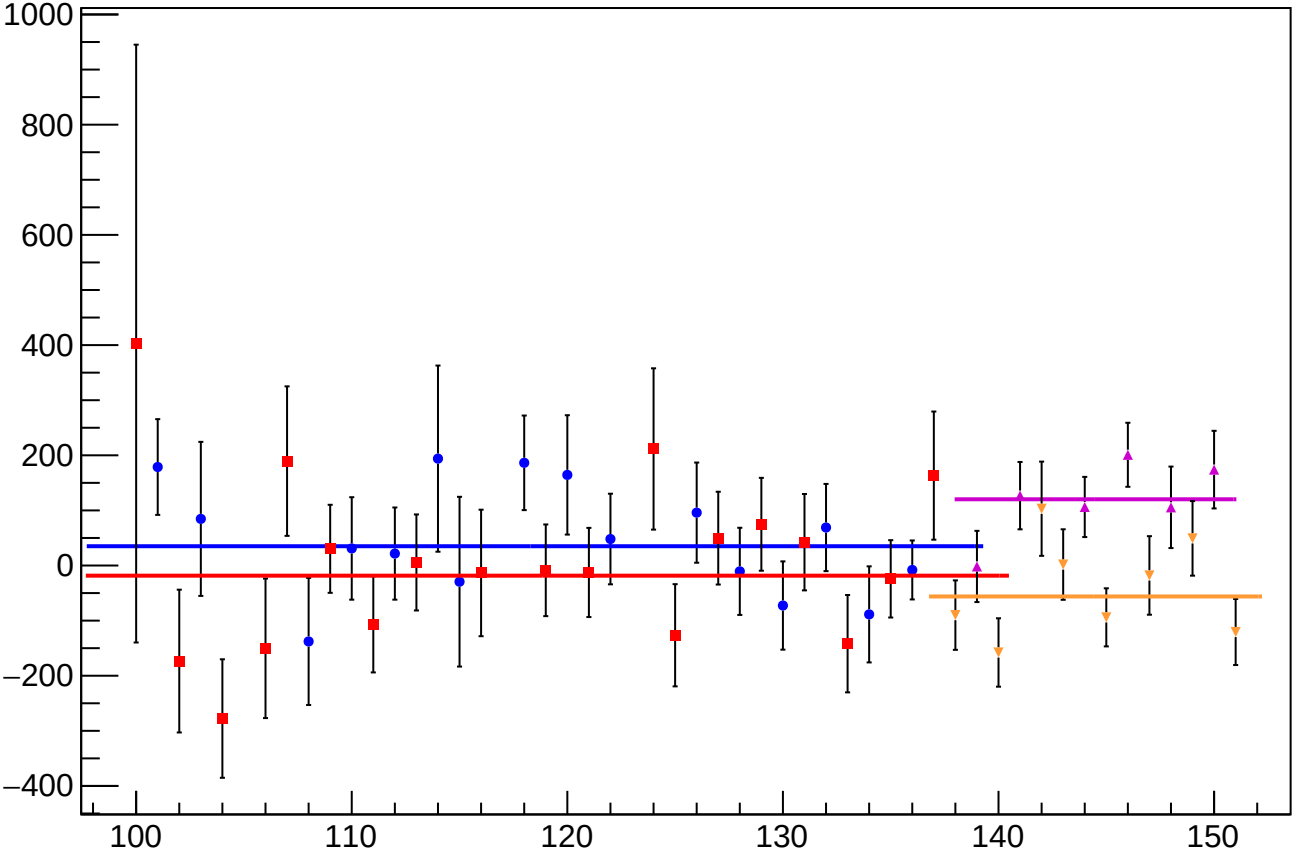
Left In: 362.812+/-0.113 χ^2/NDF:146662.0/5

+ sign 402.730+/-0.081 χ^2/NDF: 1739000.0/23

All: 408.872+/-0.059 χ^2/NDF: 3276801.0/48

- sign 415.738+/-0.085 χ^2/NDF: 1525499.4/24

cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -56.168+/-22.668 χ^2/NDF:11.6/7

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

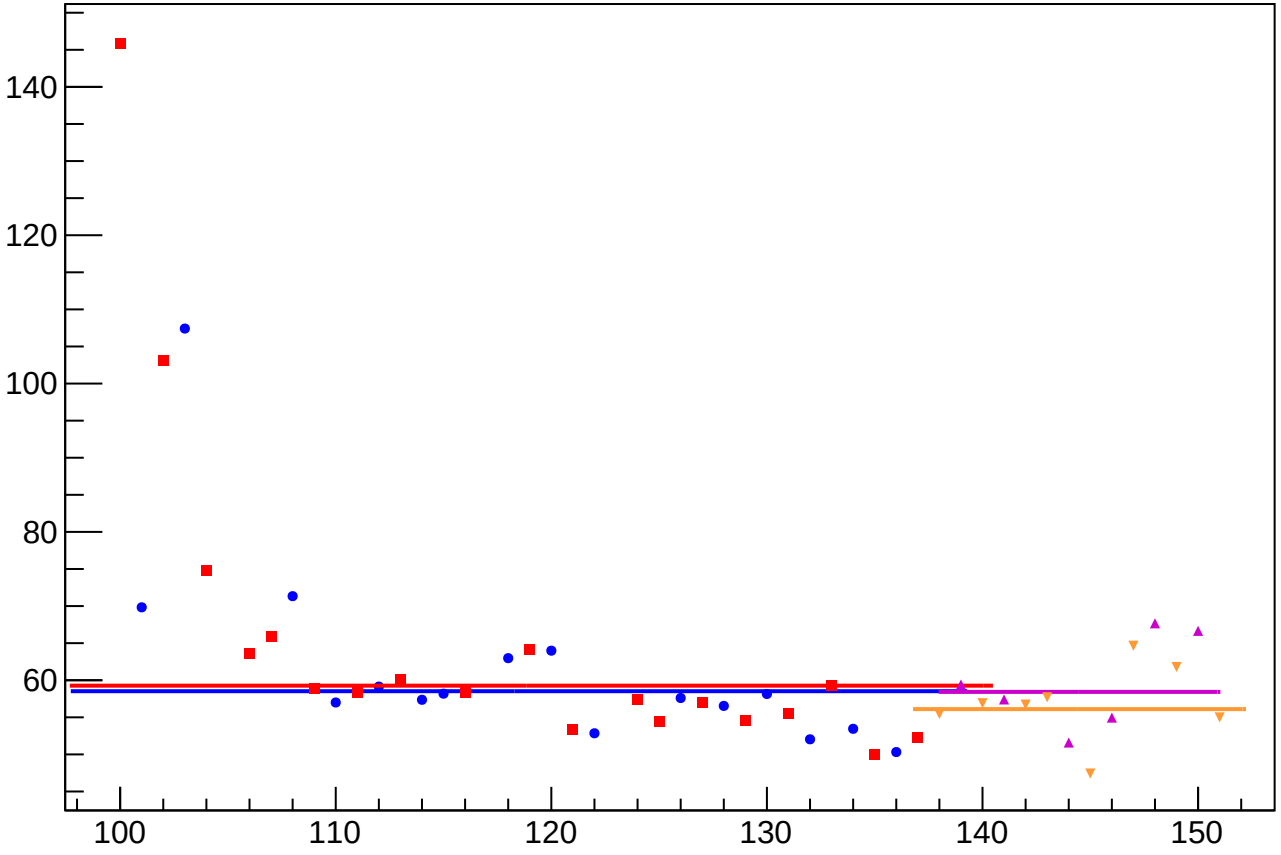
Left In: 120.205+/-25.621 χ^2/NDF:6.2/5

+ sign -9.488+/-15.837 χ^2/NDF: 36.1/23

All: 14.266+/-11.508 χ^2/NDF: 87.2/48

- sign 40.847+/-16.752 χ^2/NDF: 46.3/24

cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.107+/-0.016 χ^2/NDF:99728.7/7

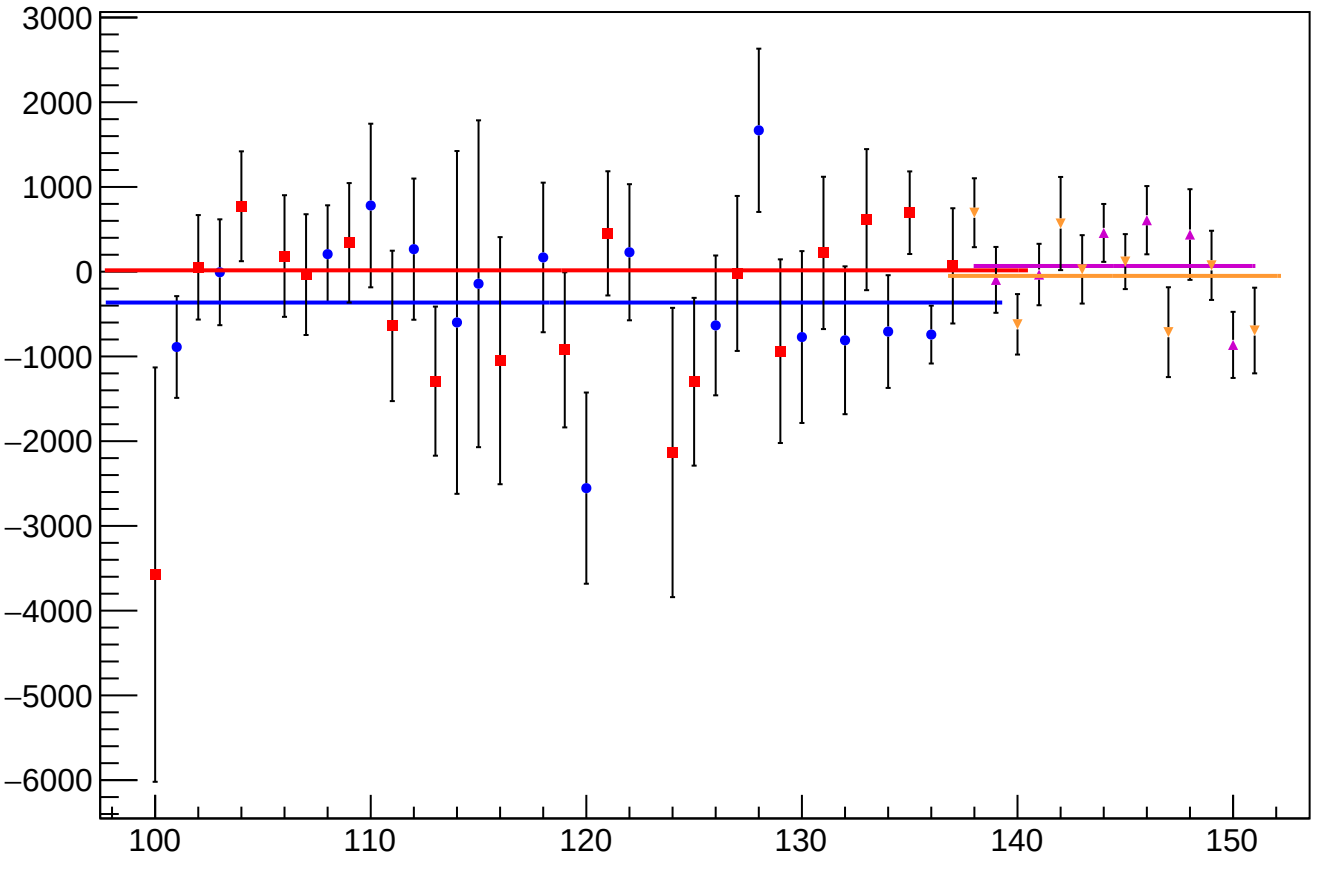
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 58.431+/-0.018 χ^2/NDF:98022.6/5

+ sign 57.343+/-0.011 χ^2/NDF: 504086.5/23

All: 58.083+/-0.008 χ^2/NDF: 1018199.3/48

- sign 58.911+/-0.012 χ^2/NDF: 504866.3/24



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -49.575+/-146.929 χ^2/NDF:10.8/7

Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

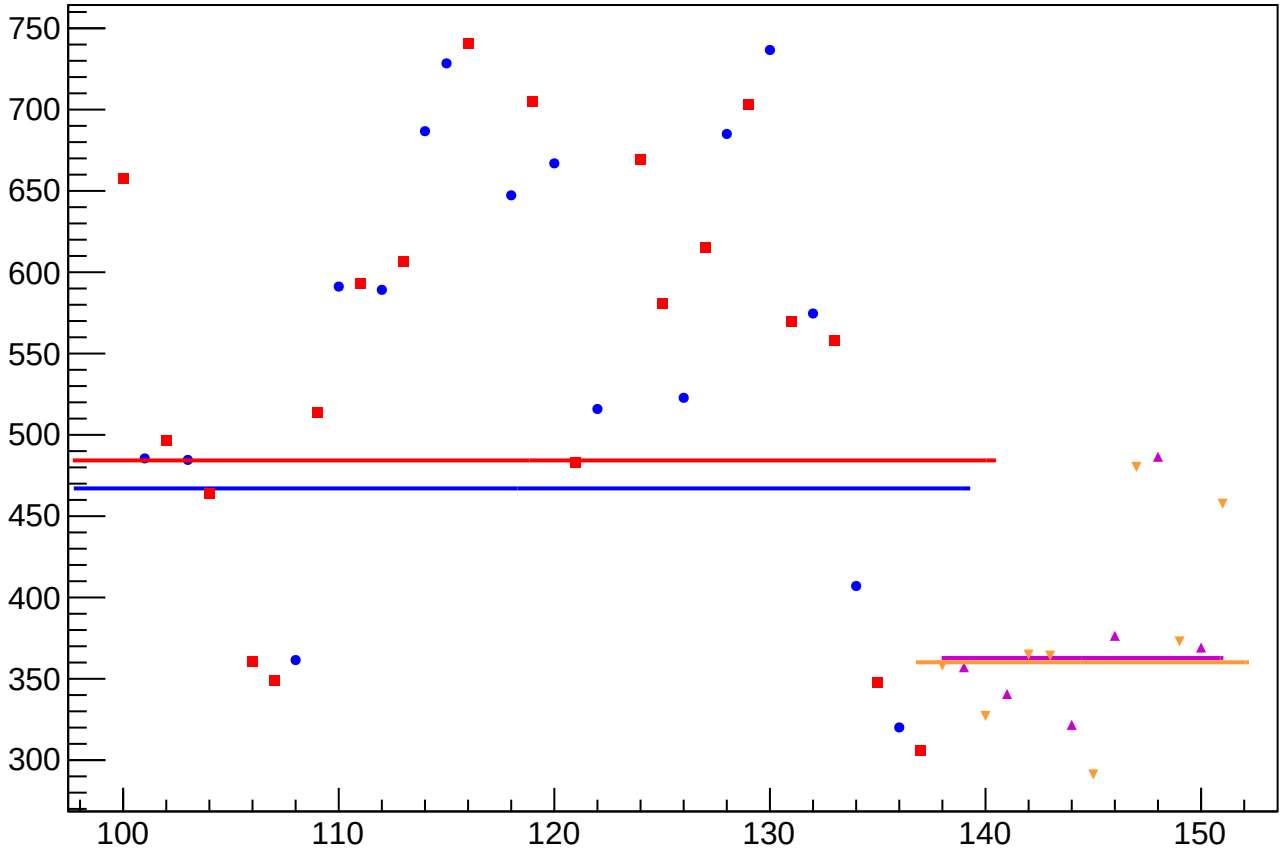
Left In: 67.379+/-160.065 χ^2/NDF:9.5/5

+ sign -174.816+/-113.975 χ^2/NDF: 27.8/23

All: -71.060+/-82.857 χ^2/NDF: 54.3/48

- sign 45.236+/-120.666 χ^2/NDF: 24.7/24

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 360.146+/-0.104 χ^2/NDF:286902.1/7

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

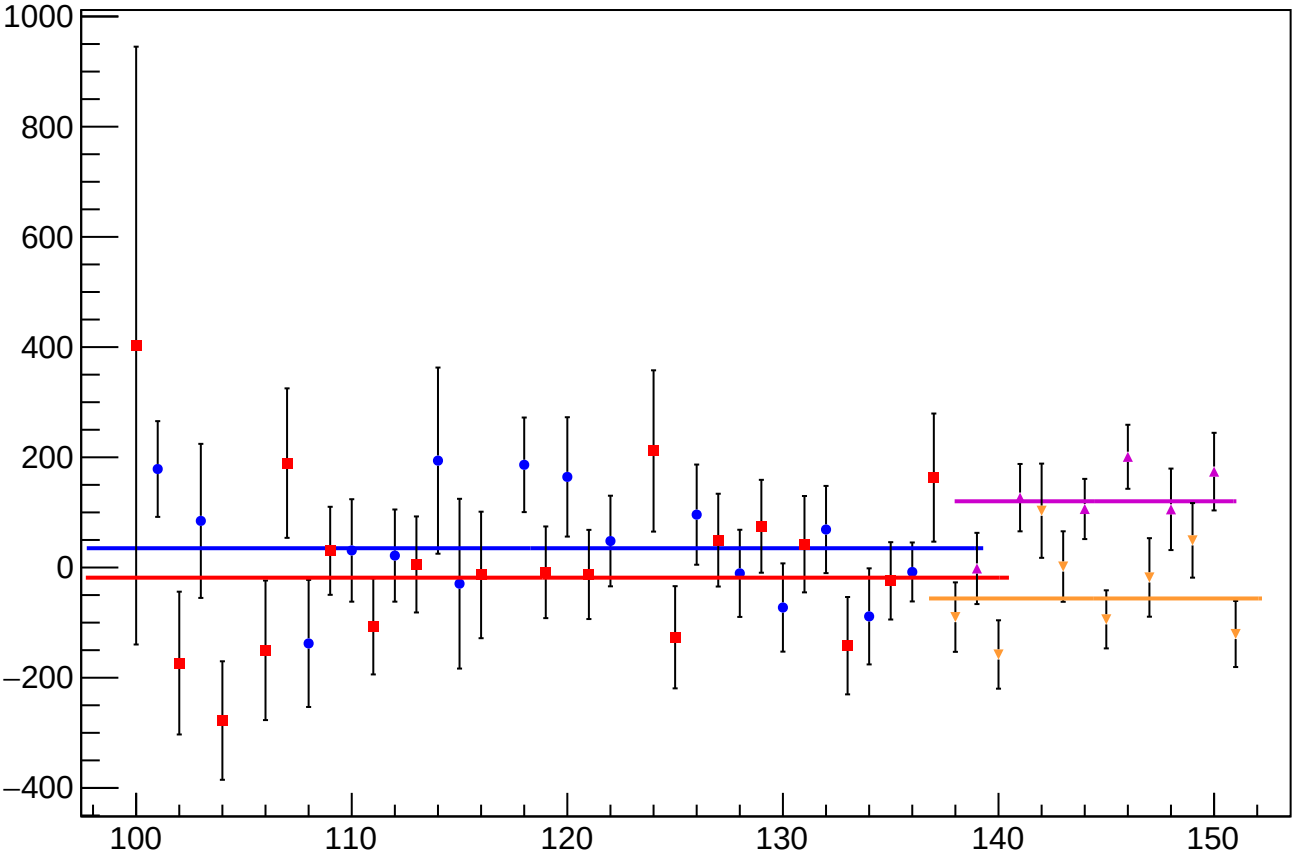
Left In: 362.813+/-0.113 χ^2/NDF:146661.6/5

\+ sign 402.730+/-0.081 χ^2/NDF: 1739021.4/23

All: 408.633+/-0.059 χ^2/NDF: 3283012.3/48

\- sign 415.248+/-0.085 χ^2/NDF: 1532616.4/24

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -56.168+/-22.668 χ^2/NDF:11.6/7

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

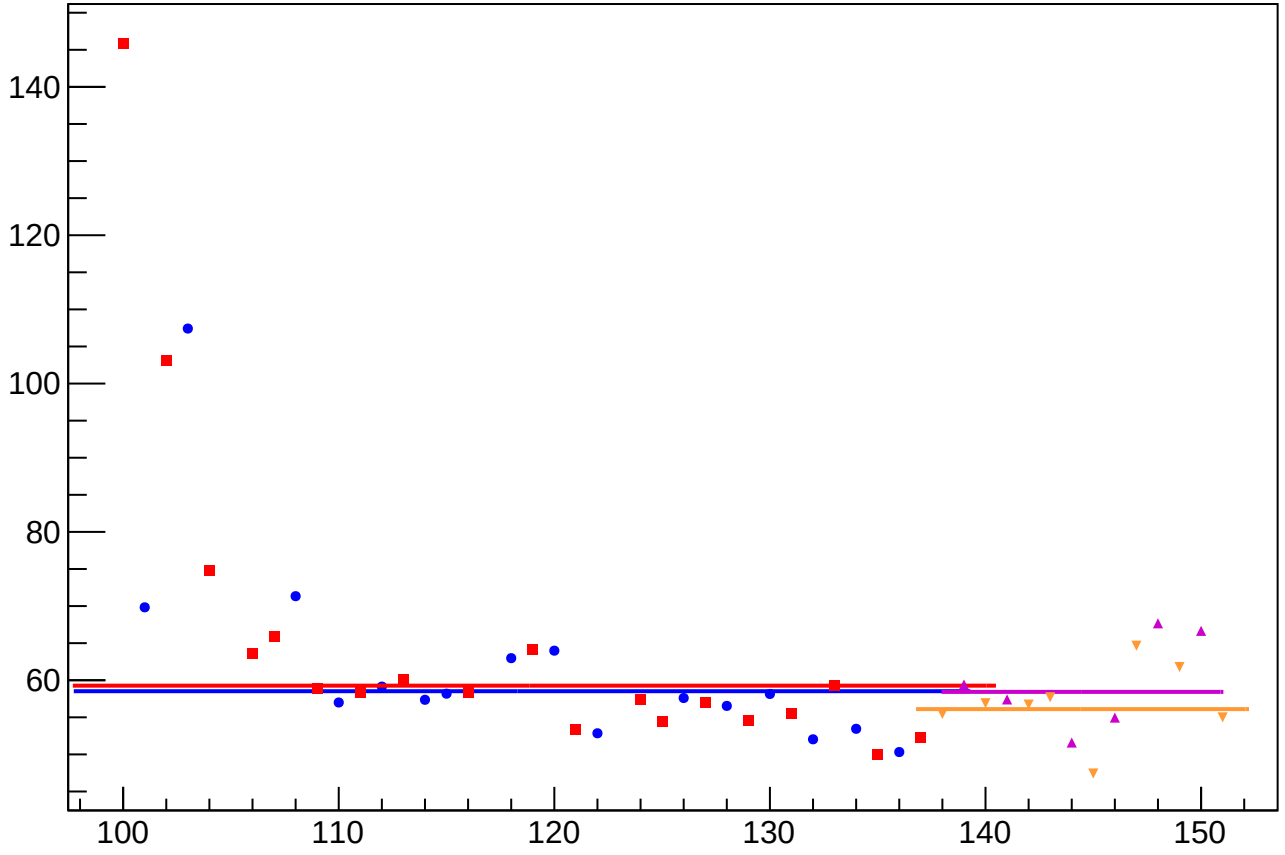
Left In: 120.205+/-25.621 χ^2/NDF:6.2/5

+ sign -9.488+/-15.837 χ^2/NDF: 36.1/23

All: 14.266+/-11.508 χ^2/NDF: 87.2/48

- sign 40.847+/-16.752 χ^2/NDF: 46.3/24

eigen_cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.107+/-0.016 χ^2/NDF:99728.7/7

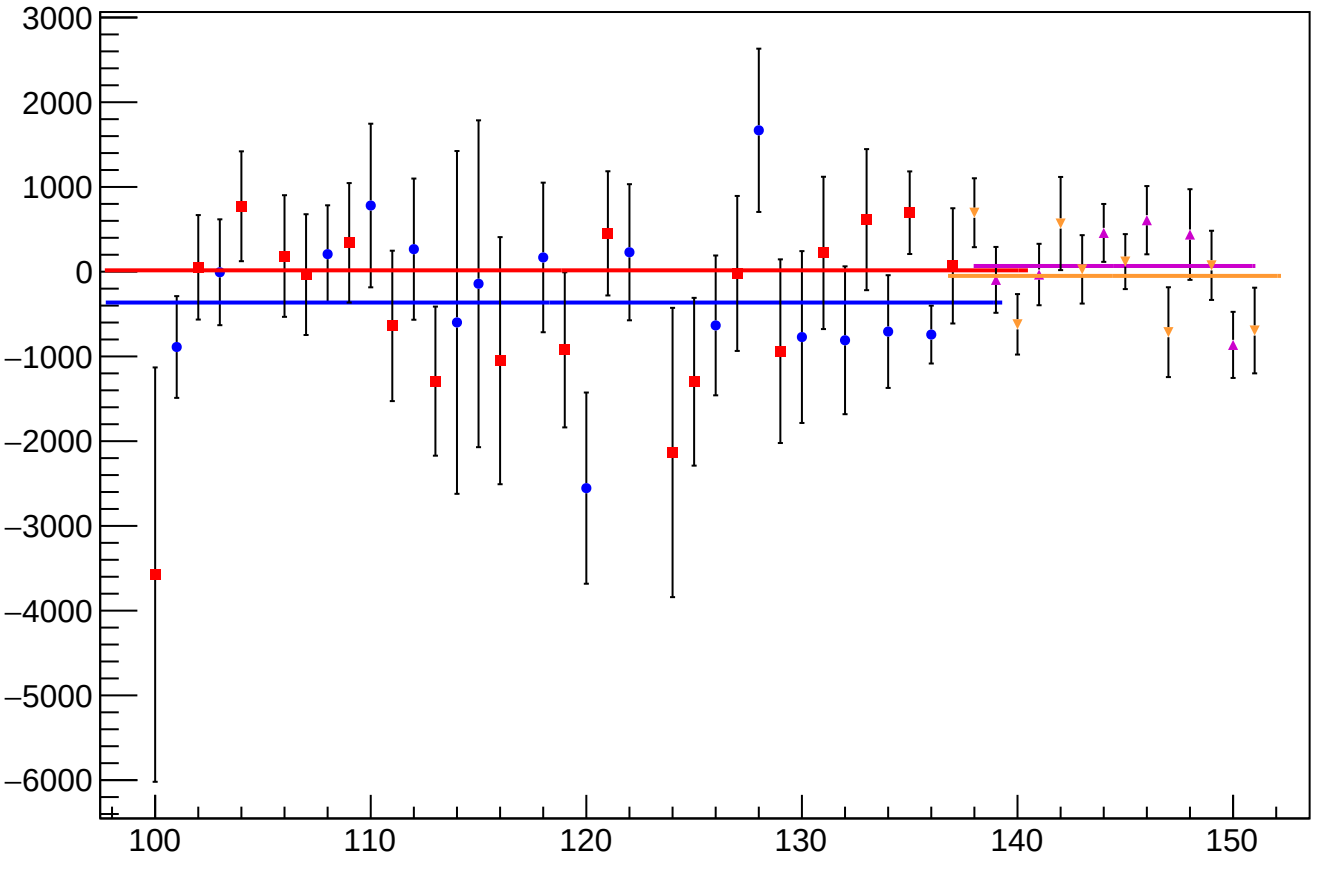
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 58.431+/-0.018 χ^2/NDF:98022.6/5

+ sign 57.343+/-0.011 χ^2/NDF: 504086.5/23

All: 58.083+/-0.008 χ^2/NDF: 1018199.3/48

- sign 58.911+/-0.012 χ^2/NDF: 504866.3/24



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -49.575+/-146.929 χ^2/NDF:10.8/7

Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

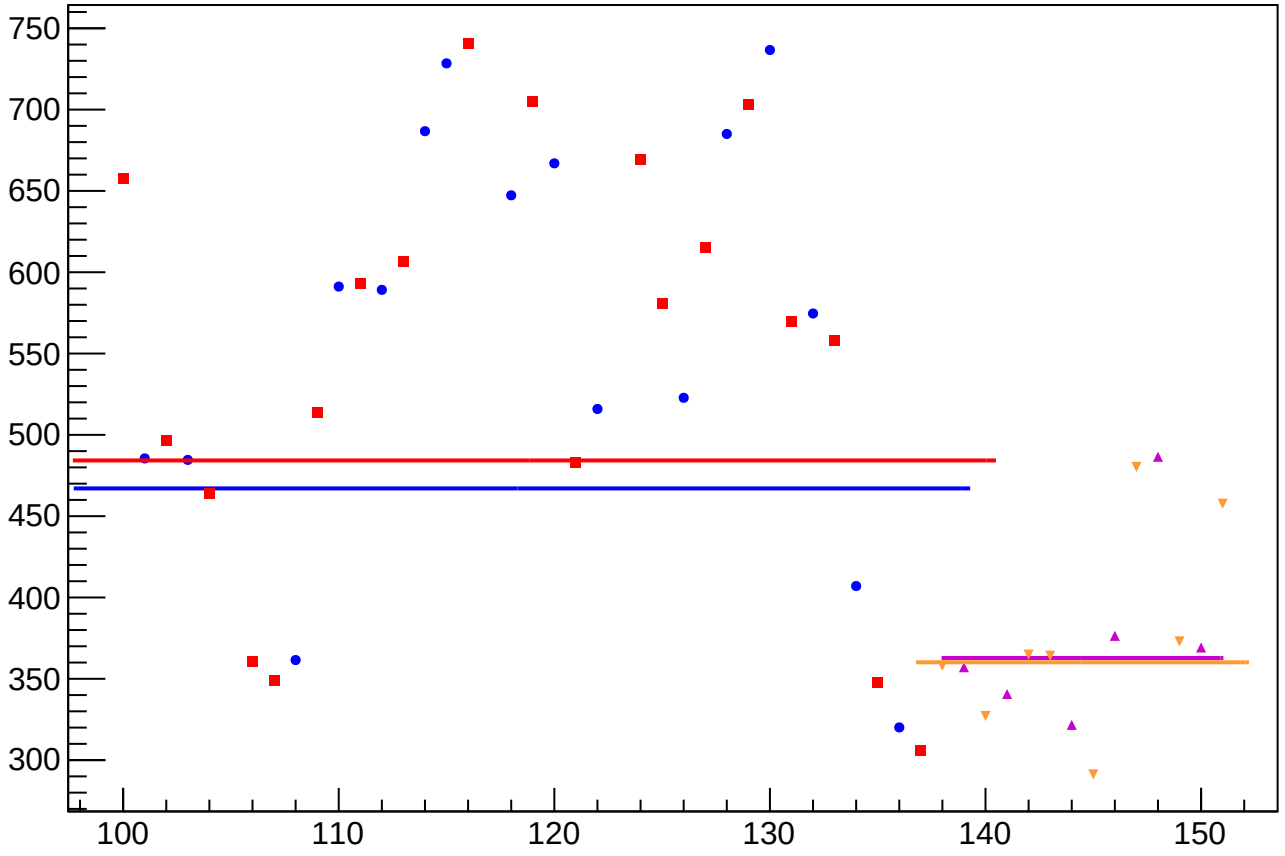
Left In: 67.379+/-160.065 χ^2/NDF:9.5/5

+ sign -174.816+/-113.975 χ^2/NDF: 27.8/23

All: -71.060+/-82.857 χ^2/NDF: 54.3/48

- sign 45.236+/-120.666 χ^2/NDF: 24.7/24

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: 360.146+/-0.104 χ^2/NDF:286902.1/7

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

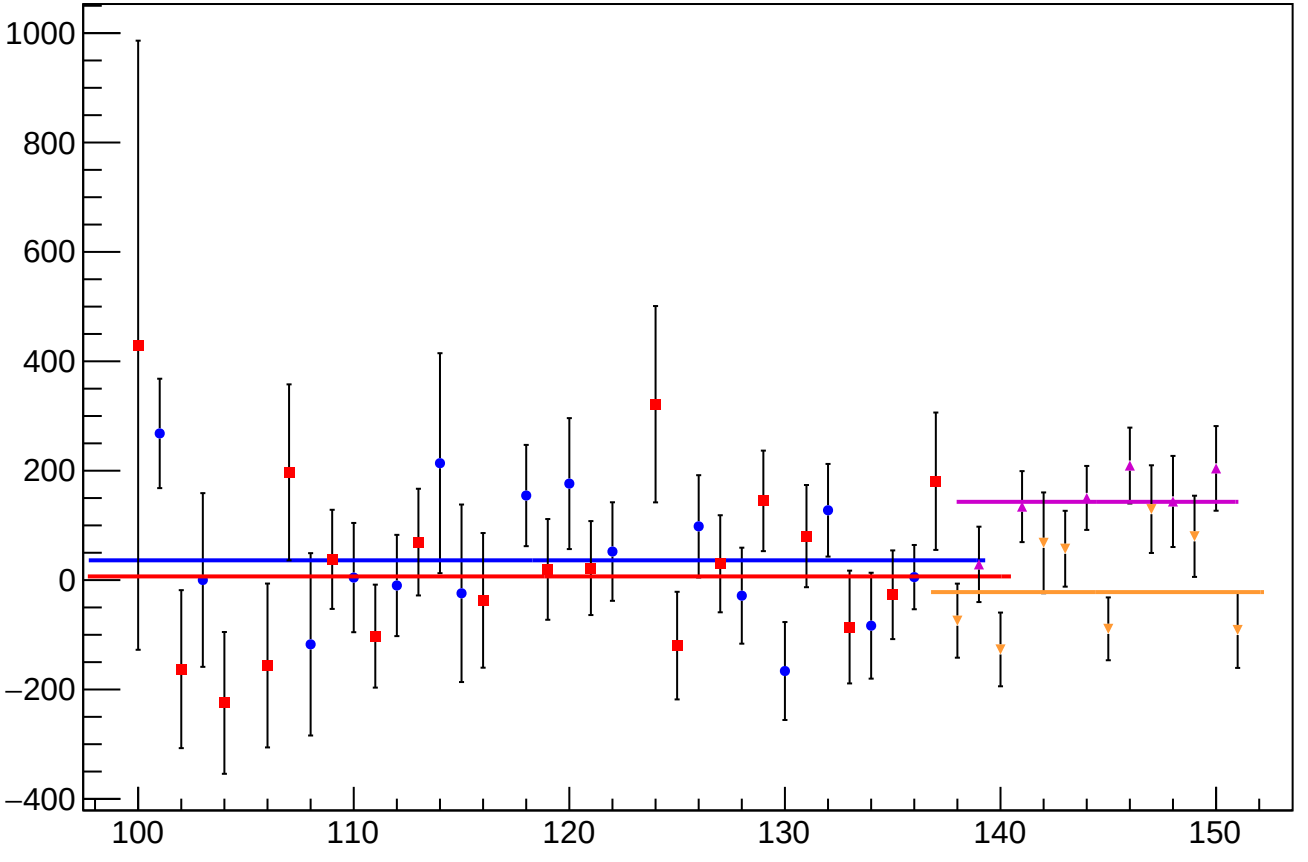
Left In: 362.813+/-0.113 χ^2/NDF:146661.6/5

\+ sign 402.730+/-0.081 χ^2/NDF: 1739021.4/23

All: 408.633+/-0.059 χ^2/NDF: 3283012.3/48

\- sign 415.248+/-0.085 χ^2/NDF: 1532616.4/24

dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -21.925+/-24.907 χ^2/NDF:13.1/7

Right Out: 6.734+/-24.565 χ^2/NDF: 20.3/18

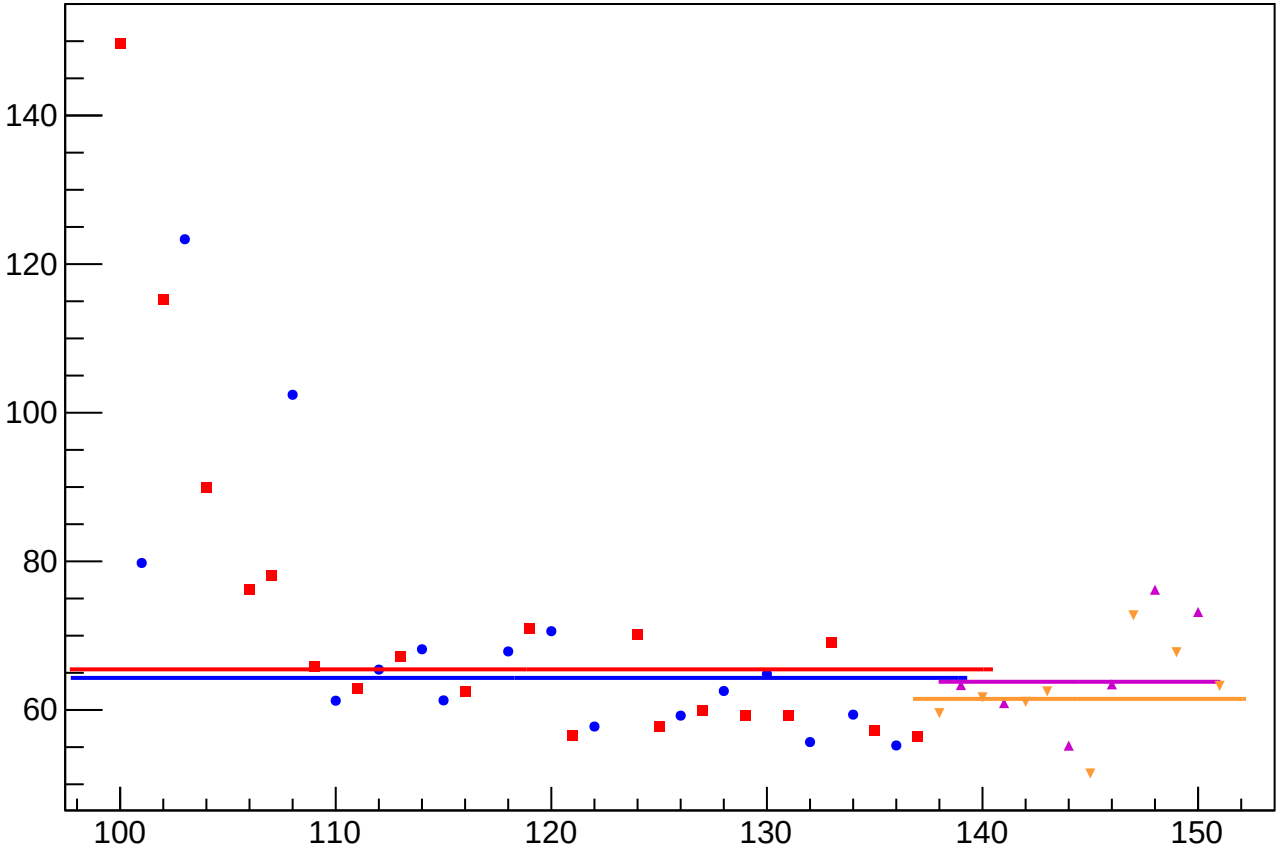
Left In: 143.105+/-28.178 χ^2/NDF:4.3/5

\+ sign 7.628+/-17.456 χ^2/NDF: 35.5/23

All: 34.916+/-12.702 χ^2/NDF: 78.7/48

\- sign 65.622+/-18.517 χ^2/NDF: 38.0/24

dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 61.492+/-0.018 χ^2/NDF:118126.9/7

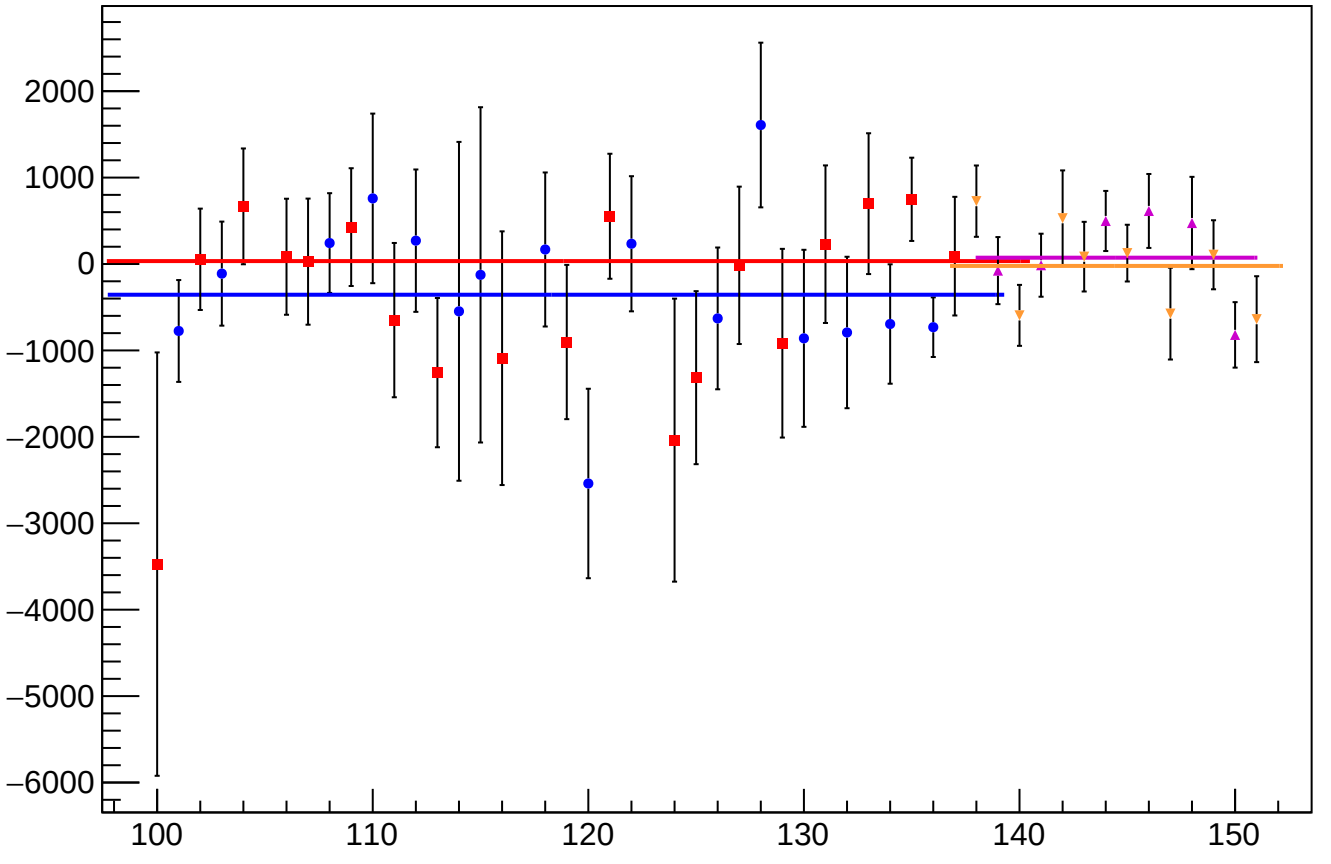
Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

Left In: 63.793+/-0.020 χ^2/NDF:120945.3/5

+ sign 62.929+/-0.012 χ^2/NDF: 663277.6/23

All: 63.783+/-0.009 χ^2/NDF: 1280759.5/48

- sign 64.744+/-0.013 χ^2/NDF: 607312.3/24



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: -22.210+/-146.702 χ^2/NDF:9.9/7

Right Out: 33.786+/-181.561 χ^2/NDF: 15.4/18

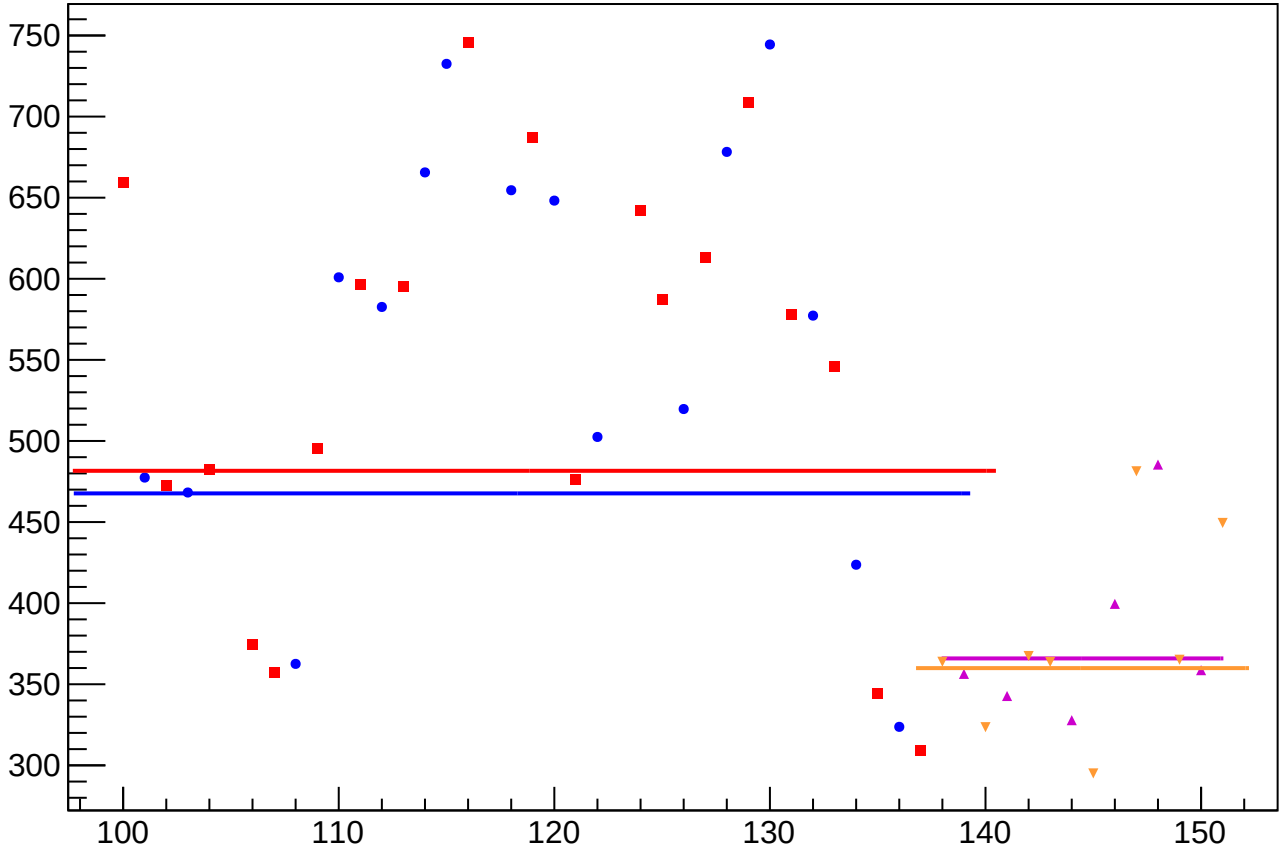
Left In: 73.120+/-161.446 χ^2/NDF:9.4/5

+ sign -154.949+/-113.802 χ^2/NDF: 26.8/23

All: -55.745+/-82.784 χ^2/NDF: 53.2/48

- sign 55.752+/-120.647 χ^2/NDF: 24.8/24

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 467.674+/-0.128 χ^2/NDF: 985943.7/15

Left Out: 359.946+/-0.104 χ^2/NDF:269774.0/7

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

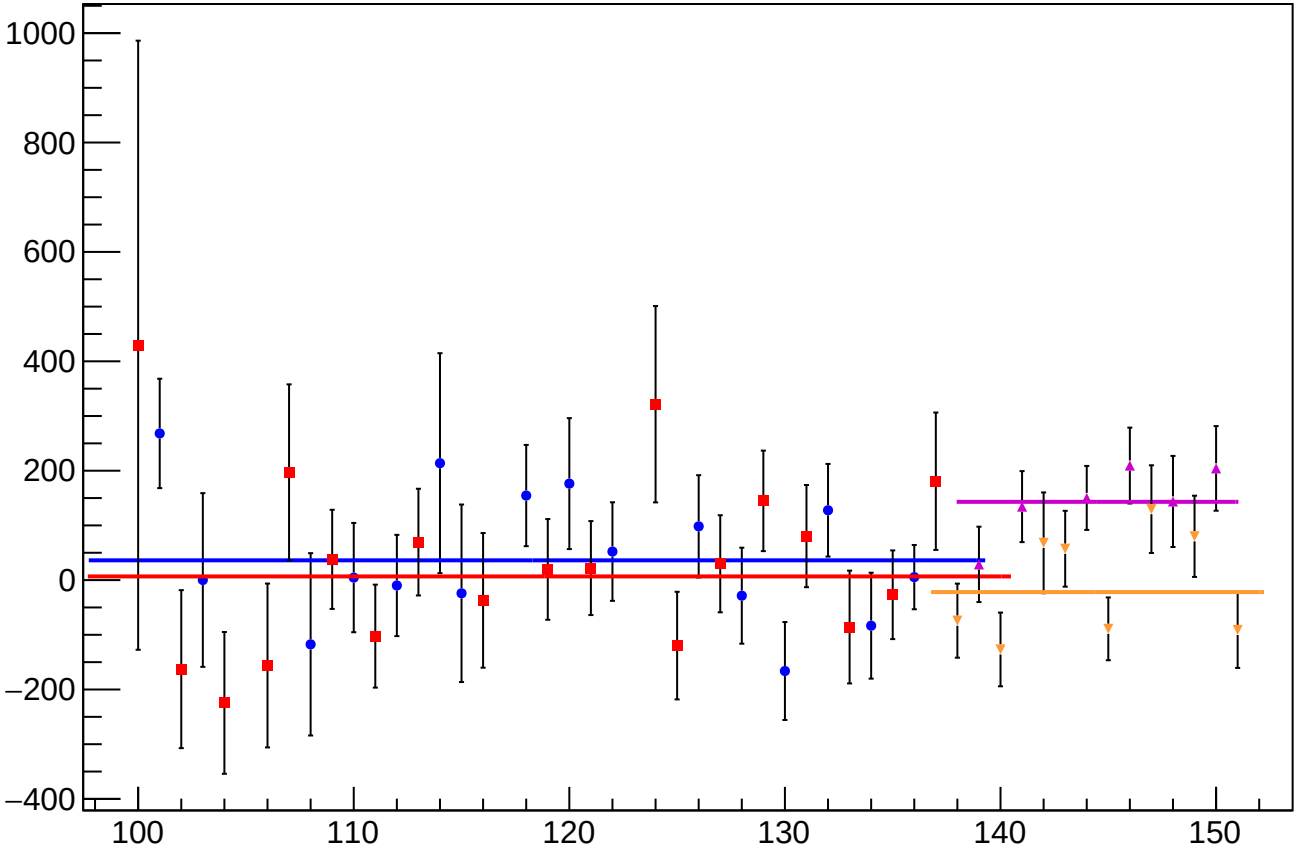
Left In: 365.926+/-0.114 χ^2/NDF:146465.7/5

+ sign 402.848+/-0.080 χ^2/NDF: 1685210.5/23

All: 409.512+/-0.059 χ^2/NDF: 3153874.2/48

- sign 417.003+/-0.085 χ^2/NDF: 1454095.1/24

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -21.924+/-24.907 χ^2/NDF:13.1/7

Right Out: 6.735+/-24.565 χ^2/NDF: 20.3/18

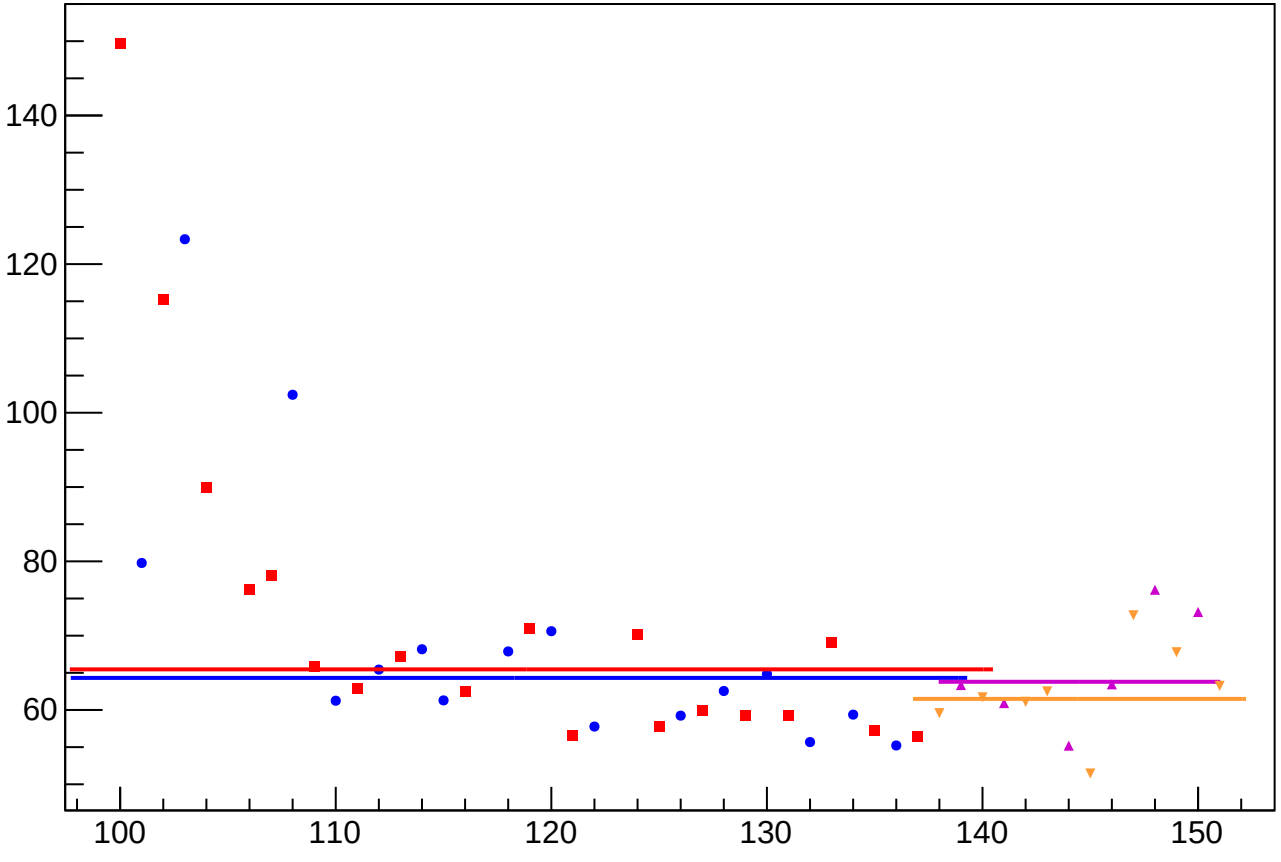
Left In: 143.105+/-28.178 χ^2/NDF:4.3/5

\+ sign 7.629+/-17.456 χ^2/NDF: 35.5/23

All: 34.917+/-12.702 χ^2/NDF: 78.7/48

\- sign 65.622+/-18.517 χ^2/NDF: 38.0/24

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 61.492+/-0.018 χ^2/NDF:118129.7/7

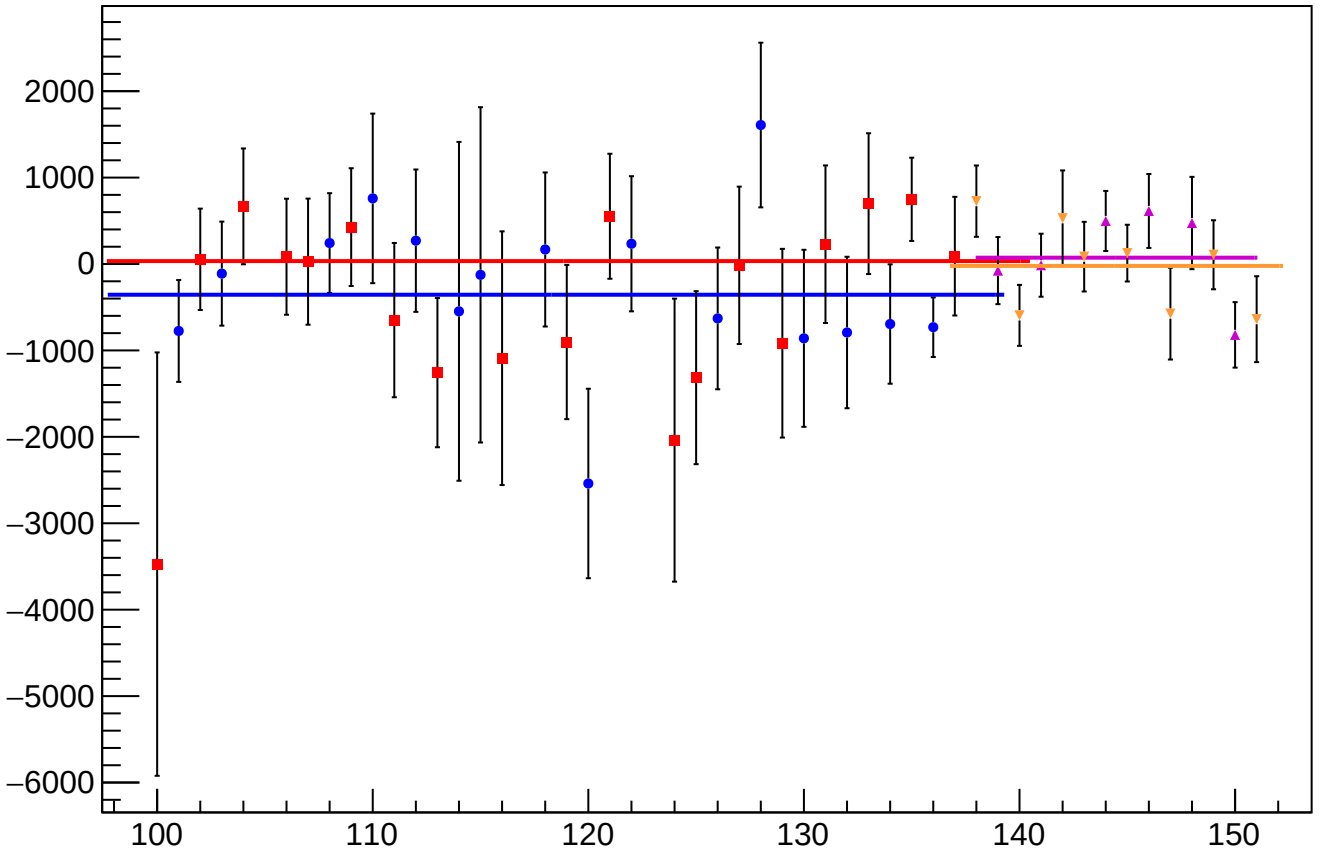
Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 63.793+/-0.020 χ^2/NDF:120947.8/5

+ sign 62.929+/-0.012 χ^2/NDF: 663287.2/23

All: 63.783+/-0.009 χ^2/NDF: 1280776.8/48

- sign 64.744+/-0.013 χ^2/NDF: 607320.1/24



Right In: -355.529+/-180.334 χ^2/NDF: 14.8/15

Left Out: -22.210+/-146.702 χ^2/NDF:9.9/7

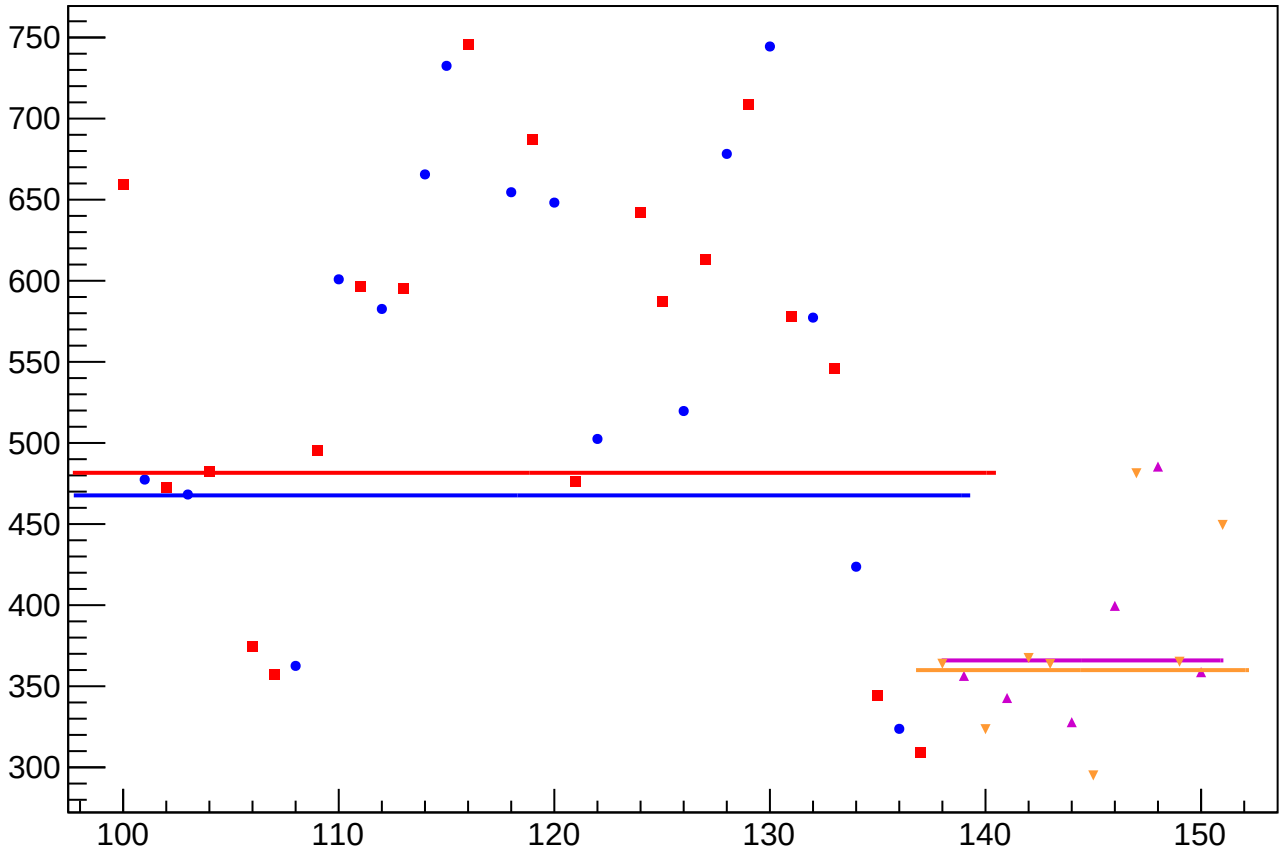
Right Out: 33.787+/-181.560 χ^2/NDF: 15.4/18

Left In: 73.120+/-161.447 χ^2/NDF:9.4/5

+ sign -154.949+/-113.802 χ^2/NDF: 26.8/23

All: -55.745+/-82.784 χ^2/NDF: 53.2/48

- sign 55.752+/-120.647 χ^2/NDF: 24.8/24



Right In: 467.674+/-0.128 χ^2/NDF: 985945.4/15

Left Out: 359.947+/-0.104 χ^2/NDF:269773.3/7

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

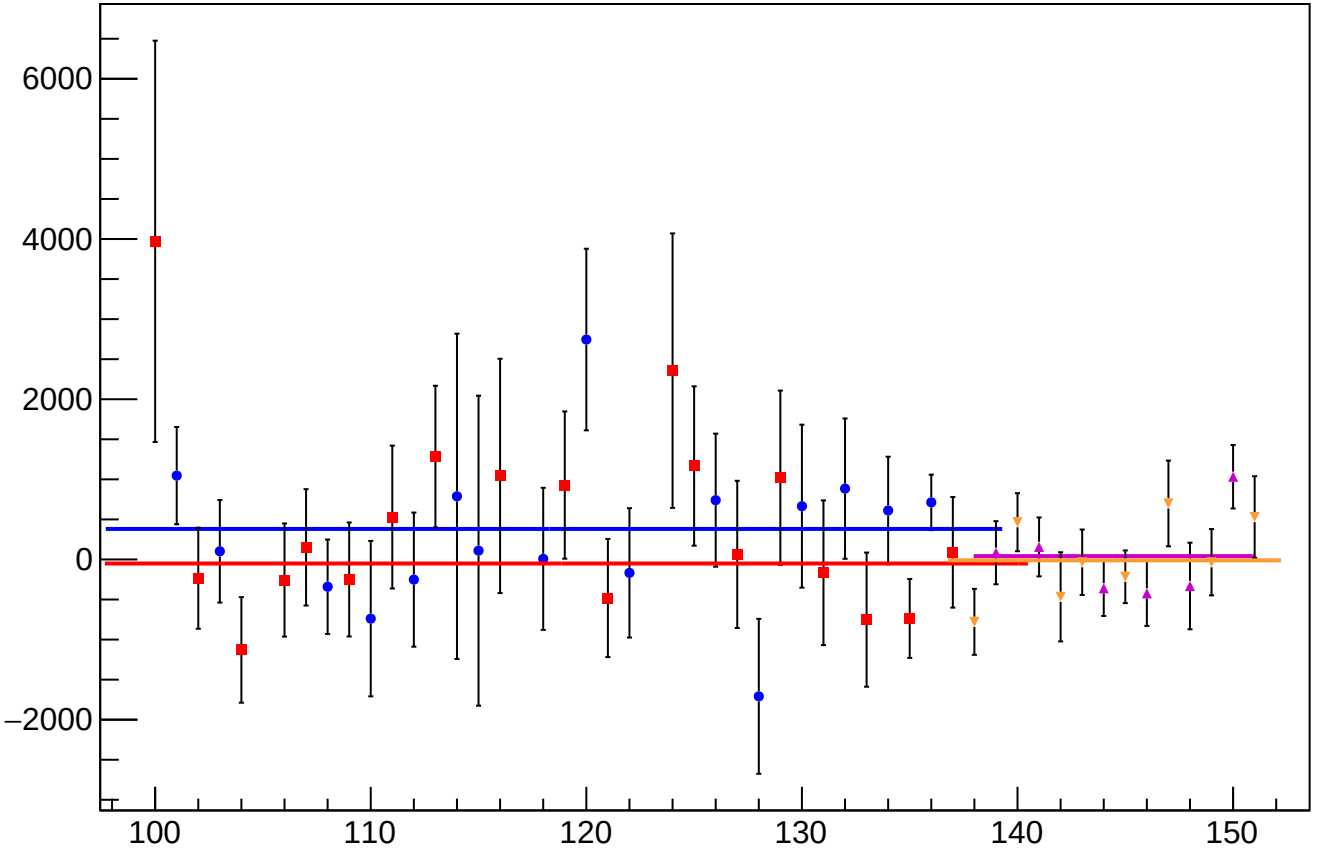
Left In: 365.926+/-0.114 χ^2/NDF:146465.5/5

+ sign 402.847+/-0.080 χ^2/NDF: 1685206.1/23

All: 409.512+/-0.059 χ^2/NDF: 3153860.6/48

- sign 417.003+/-0.085 χ^2/NDF: 1454085.8/24

asym_sam_13_57_dd_mean vs Slug



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: -10.708+/-148.781 χ^2/NDF:9.2/7

Right Out: -50.392+/-185.262 χ^2/NDF: 17.5/18

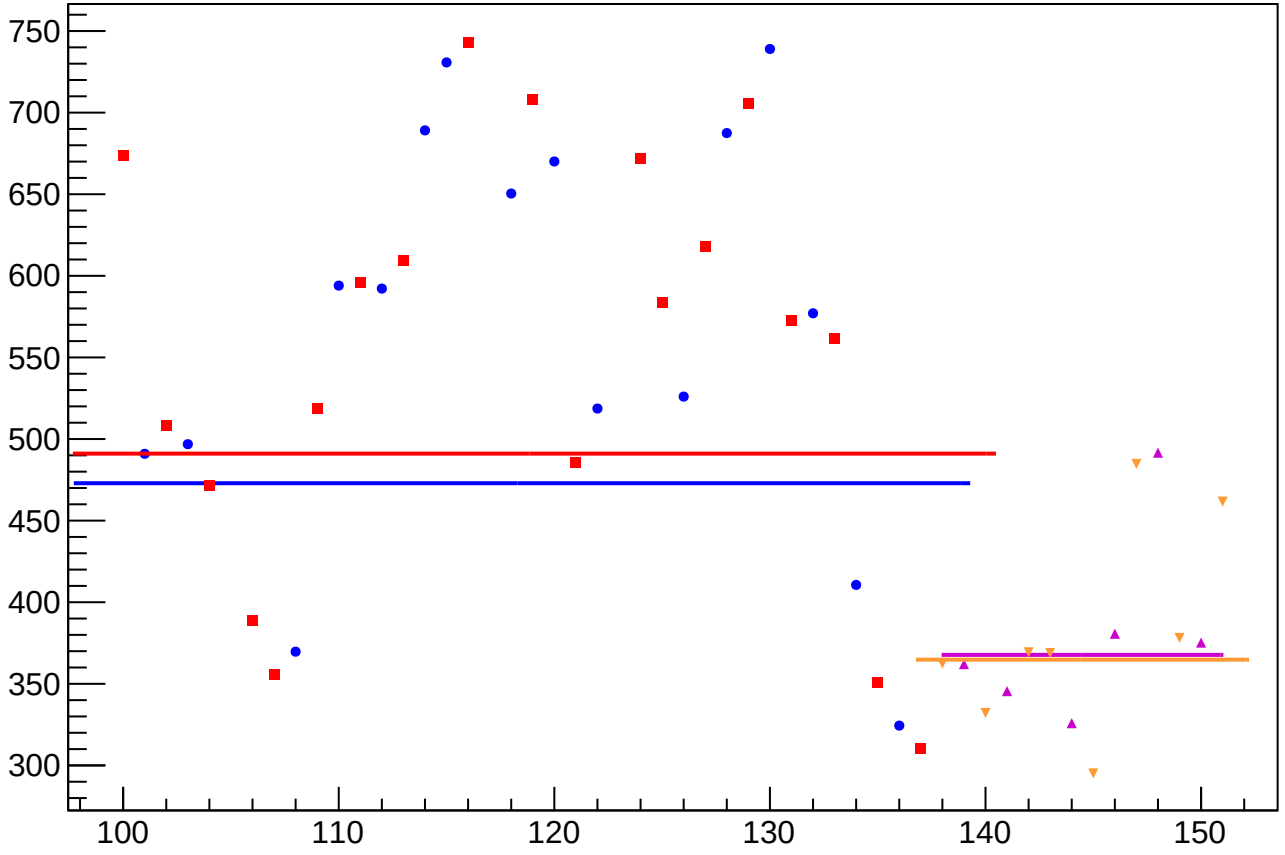
Left In: 41.733+/-162.200 χ^2/NDF:9.5/5

+ sign 145.560+/-115.356 χ^2/NDF: 28.1/23

All: 77.703+/-83.831 χ^2/NDF: 55.9/48

- sign 1.758+/-122.037 χ^2/NDF: 27.1/24

asym_sam_13_57_dd_rms vs Slug



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 364.810+/-0.105 χ^2/NDF:281434.6/7

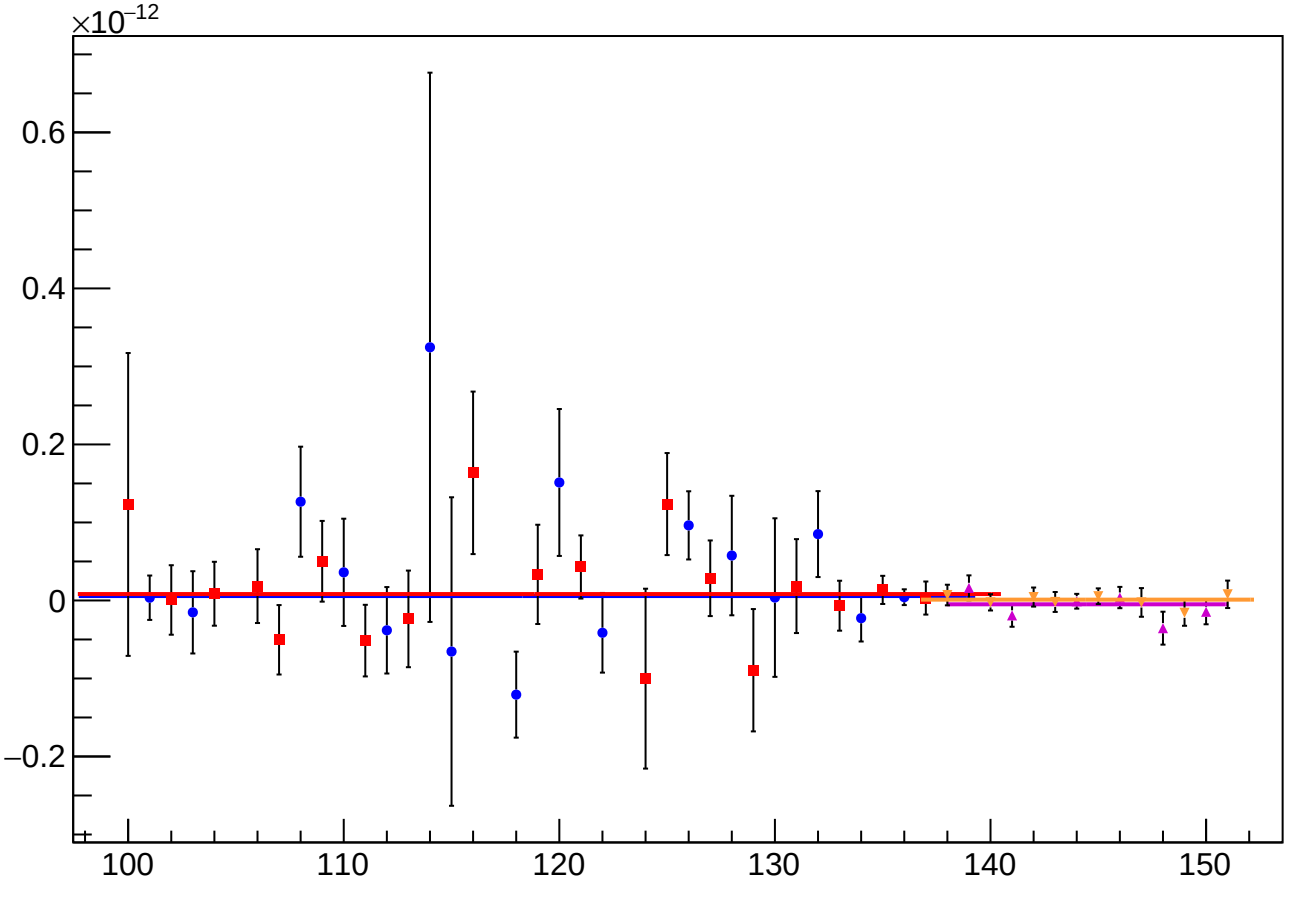
Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 367.733+/-0.115 χ^2/NDF:144841.2/5

+ sign 407.932+/-0.082 χ^2/NDF: 1702934.8/23

All: 414.215+/-0.059 χ^2/NDF: 3209580.8/48

- sign 421.248+/-0.086 χ^2/NDF: 1494069.3/24



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.8/7

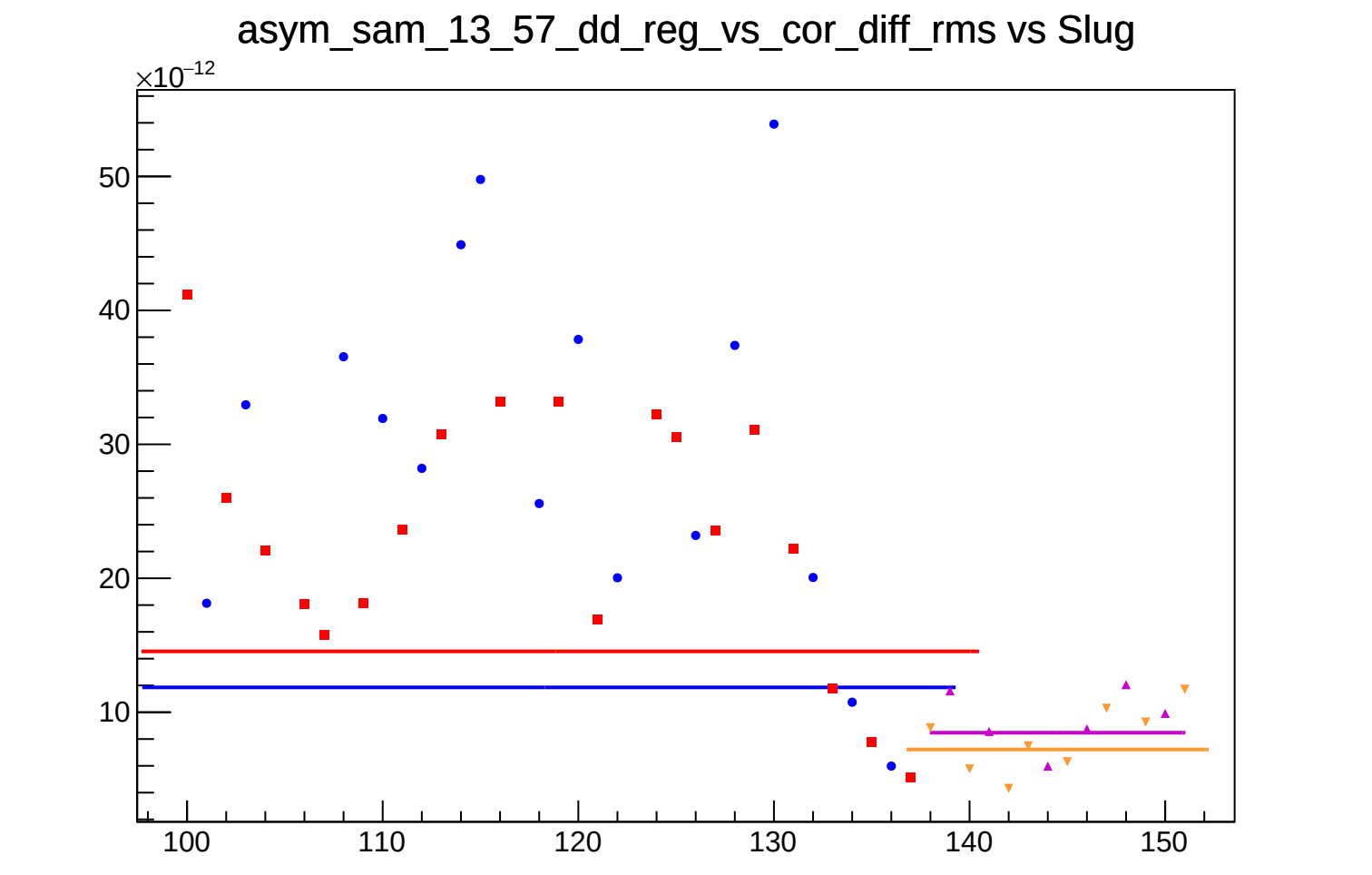
Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: -0.000+/-0.000 χ^2/NDF:5.7/5

+ sign 0.000+/-0.000 χ^2/NDF: 23.2/23

All: 0.000+/-0.000 χ^2/NDF: 44.7/48

- sign -0.000+/-0.000 χ^2/NDF: 21.2/24



Right In: 0.000+/-0.000 χ^2/NDF: 2848478.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:416160.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1769864.5/18

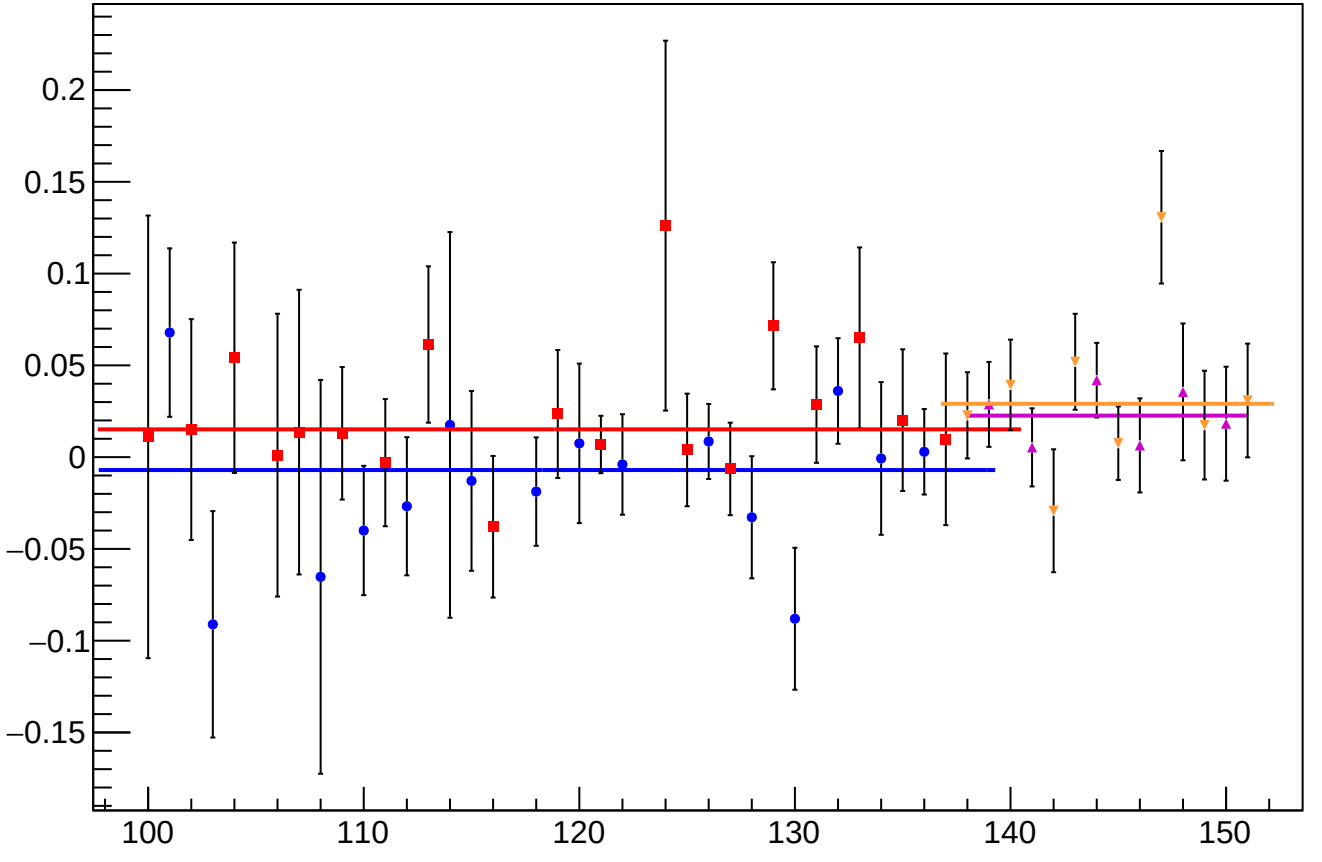
Left In: 0.000+/-0.000 χ^2/NDF:289877.9/5

+ sign 0.000+/-0.000 χ^2/NDF: 3759685.1/23

All: 0.000+/-0.000 χ^2/NDF: 6600919.8/48

- sign 0.000+/-0.000 χ^2/NDF: 2682499.2/24

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: 0.029+/-0.009 χ^2/NDF:13.3/7

Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

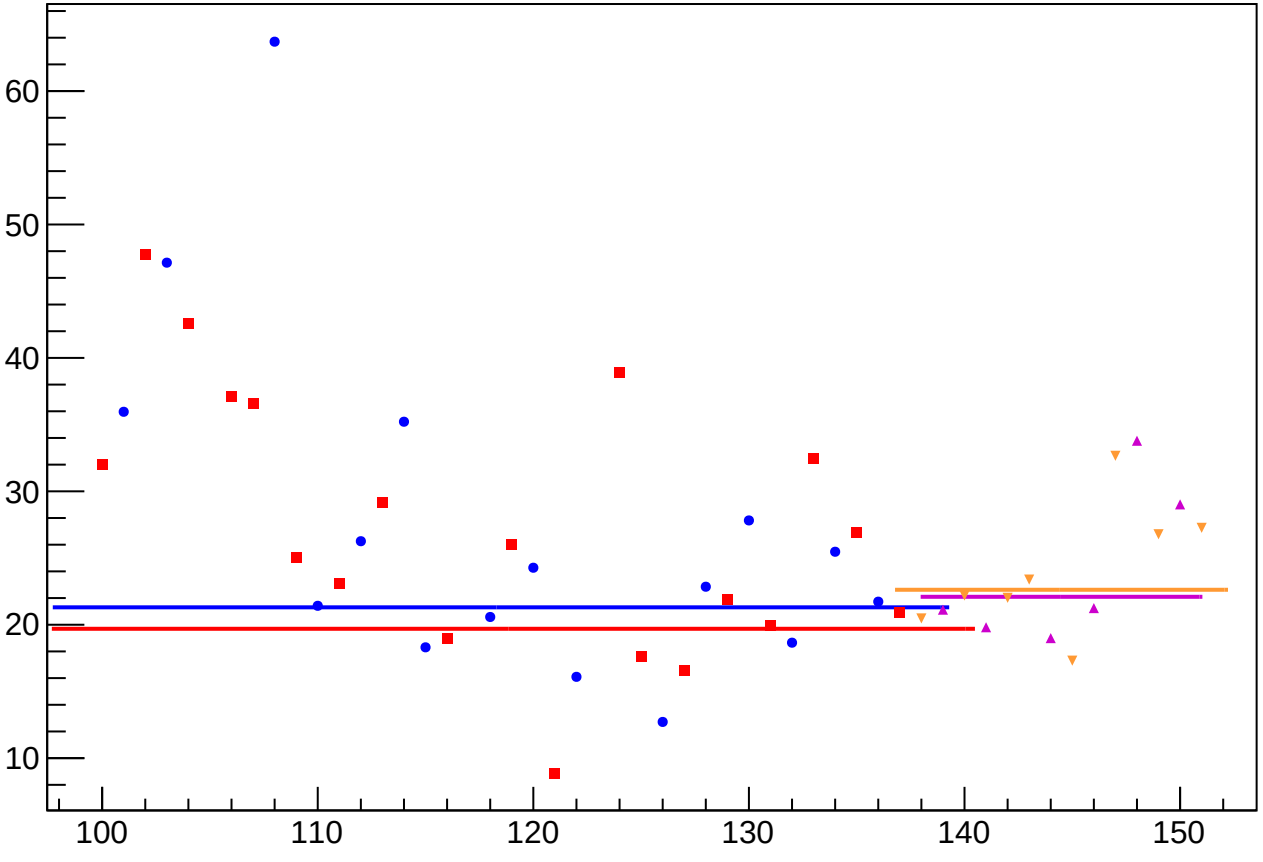
Left In: 0.023+/-0.010 χ^2/NDF:2.2/5

+ sign 0.009+/-0.006 χ^2/NDF: 35.6/23

All: 0.014+/-0.005 χ^2/NDF: 49.1/48

- sign 0.018+/-0.006 χ^2/NDF: 12.6/24

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: 22.621+/-0.007 χ^2/NDF:399665.9/7

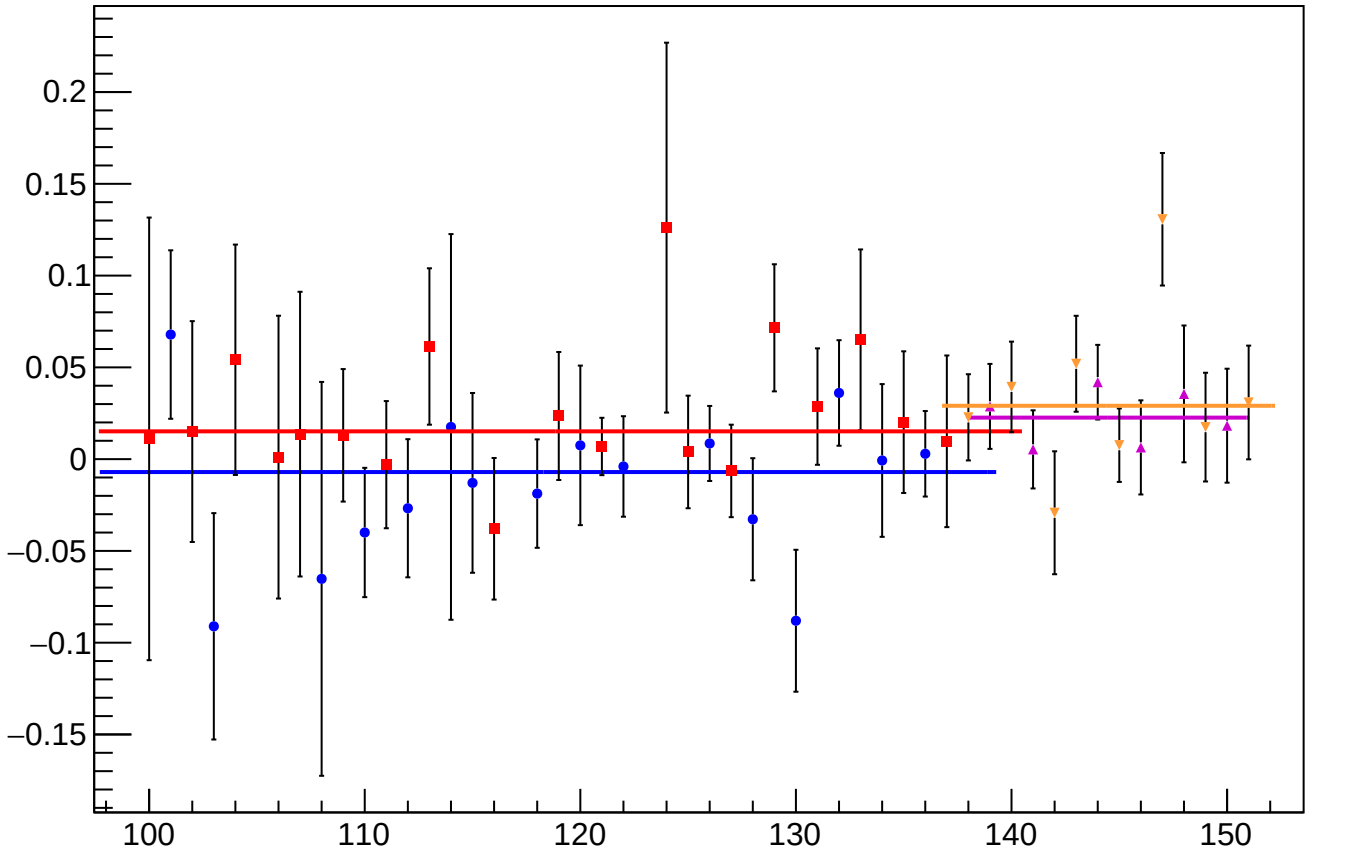
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 22.094+/-0.007 χ^2/NDF:371582.6/5

+ sign 21.905+/-0.004 χ^2/NDF: 1900290.4/23

All: 21.280+/-0.003 χ^2/NDF: 4817189.2/48

- sign 20.651+/-0.005 χ^2/NDF: 2878157.4/24



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.029+/-0.009 χ^2/NDF:13.3/7

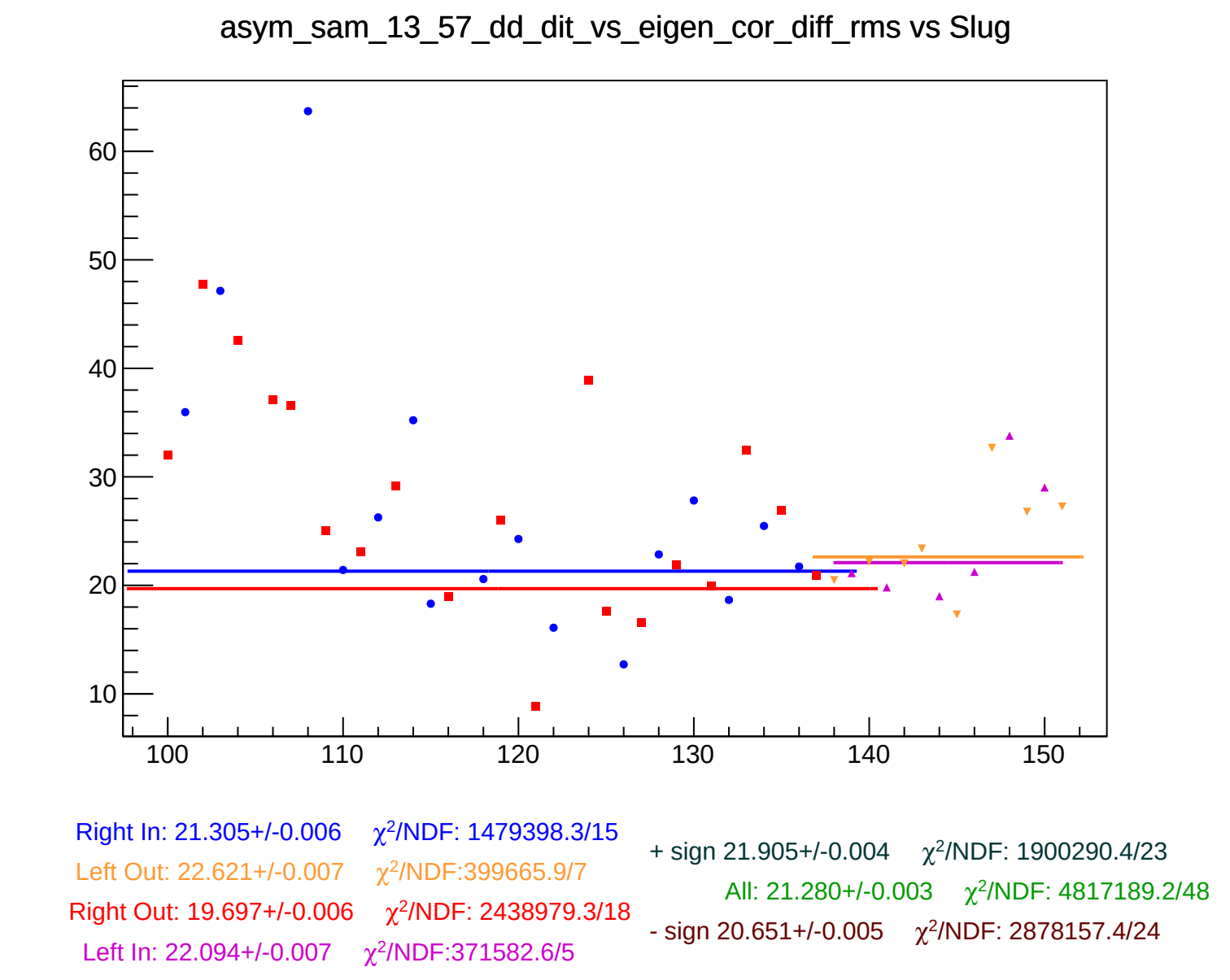
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.023+/-0.010 χ^2/NDF:2.2/5

+ sign 0.009+/-0.006 χ^2/NDF: 35.6/23

All: 0.014+/-0.005 χ^2/NDF: 49.1/48

- sign 0.018+/-0.006 χ^2/NDF: 12.6/24


asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug
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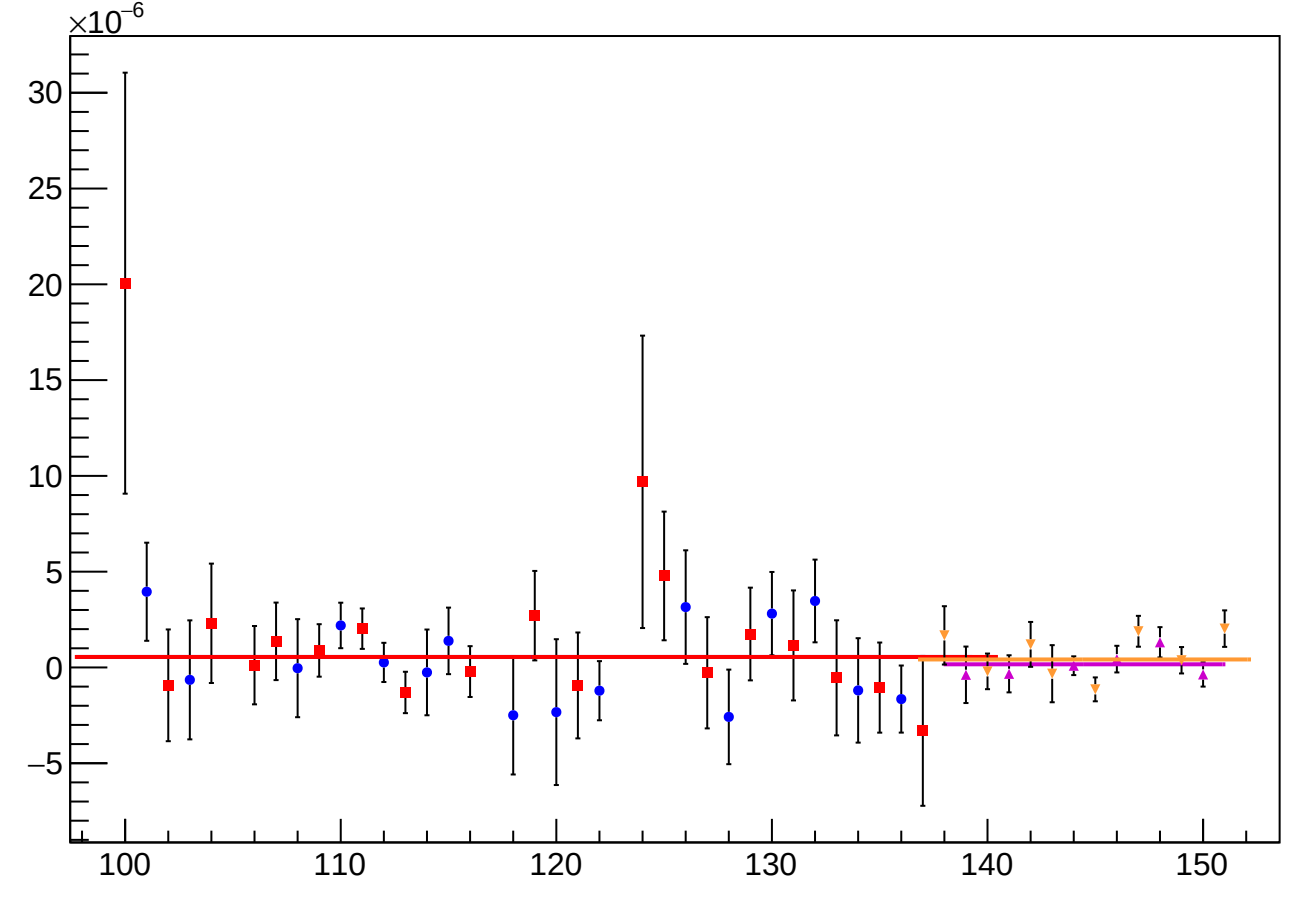
Right In: 21.305+/-0.006 χ²/NDF: 1479398.3/15
Left Out: 22.621+/-0.007 χ²/NDF:399665.9/7
Right Out: 19.697+/-0.006 χ²/NDF: 2438979.3/18
Left In: 22.094+/-0.007 χ²/NDF:371582.6/5
+ sign 21.905+/-0.004 χ²/NDF: 1900290.4/23
All: 21.280+/-0.003 χ²/NDF: 4817189.2/48
- sign 20.651+/-0.005 χ²/NDF: 2878157.4/24



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.3/7

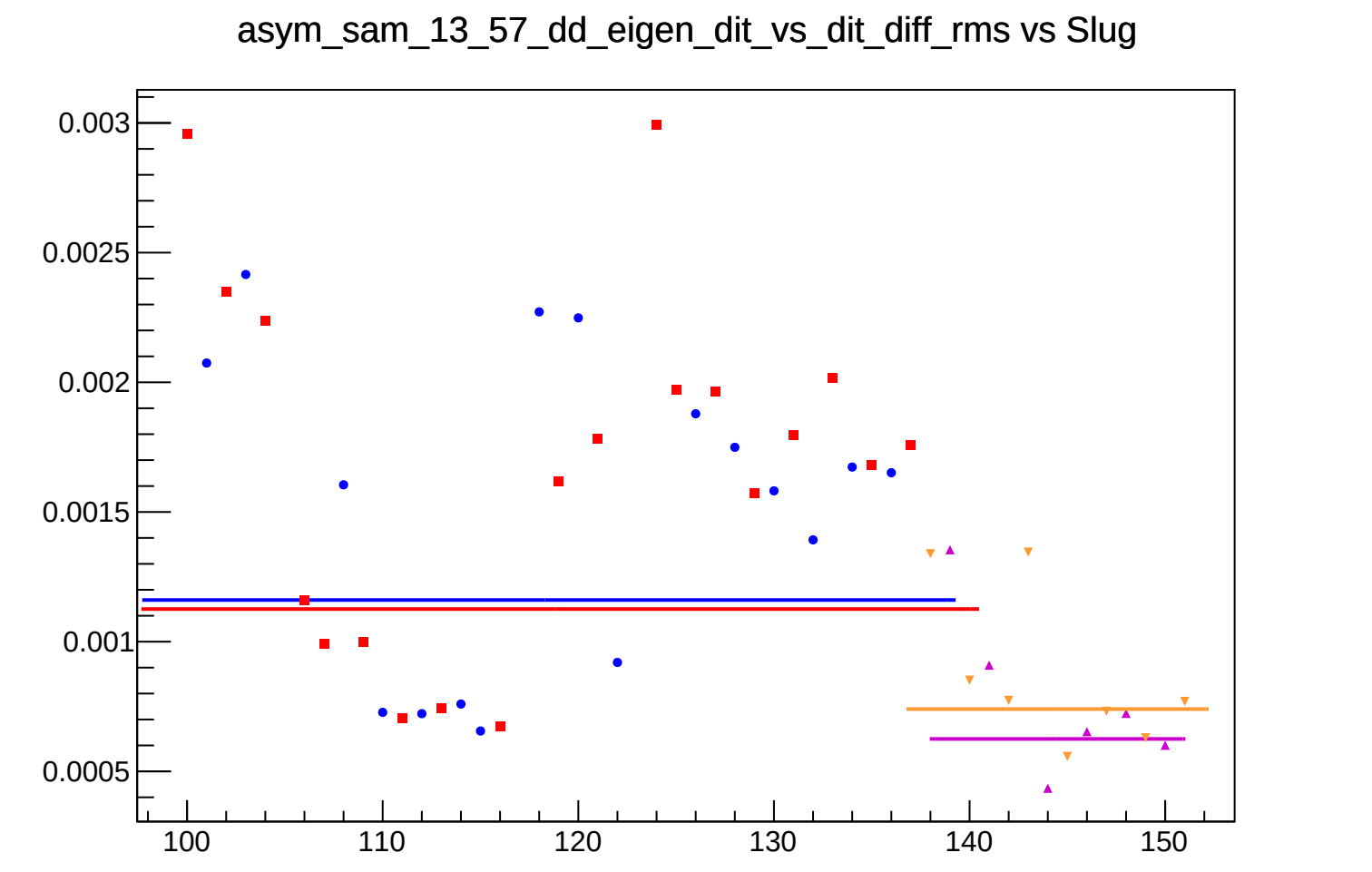
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:3.4/5

+ sign 0.000+/-0.000 χ^2/NDF: 28.8/23

All: 0.000+/-0.000 χ^2/NDF: 48.3/48

- sign 0.000+/-0.000 χ^2/NDF: 19.2/24



Right In: 0.001+/-0.000 χ^2/NDF: 2534643.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:894748.2/7

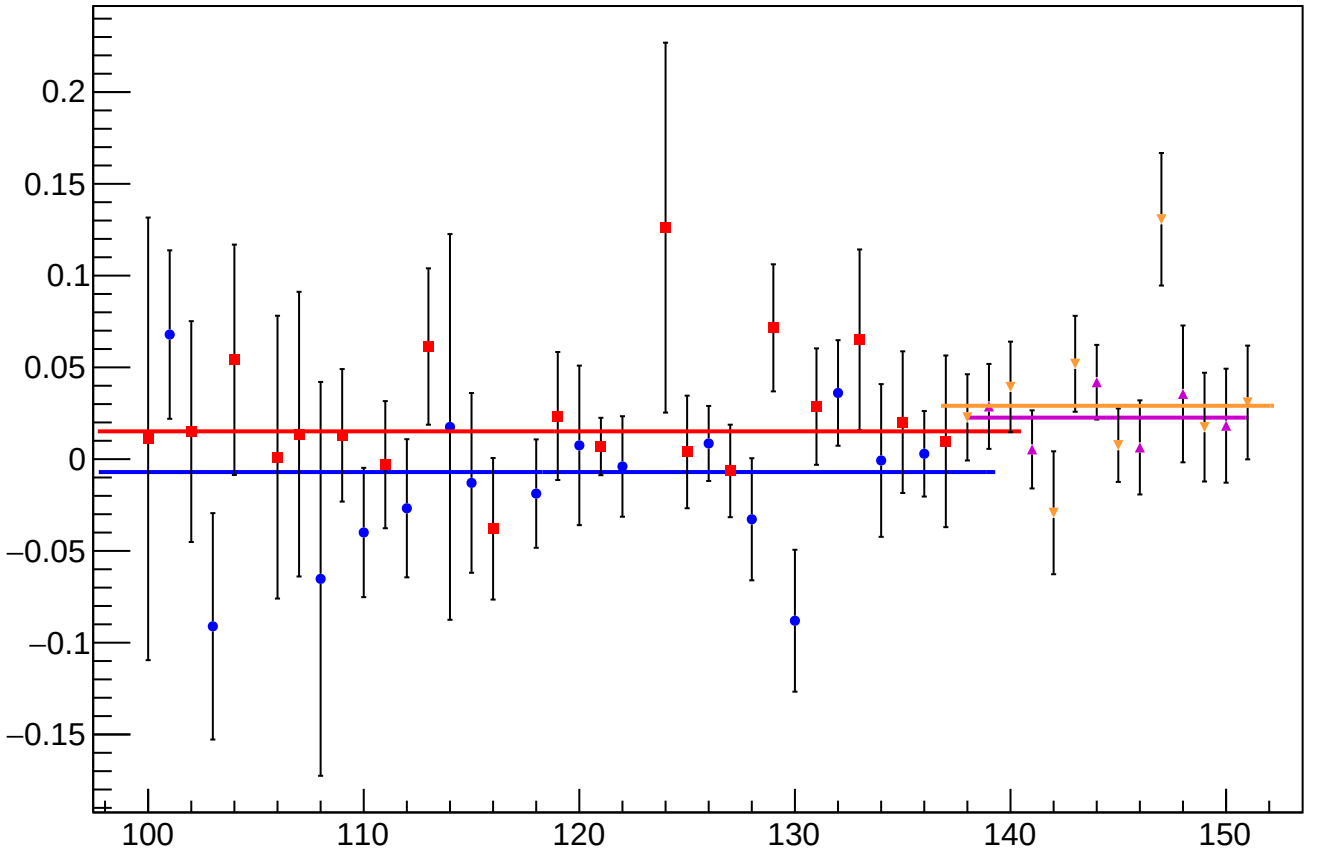
Right Out: 0.001+/-0.000 χ^2/NDF: 2623987.9/18

Left In: 0.001+/-0.000 χ^2/NDF:1000952.8/5

+ sign 0.001+/-0.000 χ^2/NDF: 4506420.7/23

All: 0.001+/-0.000 χ^2/NDF: 9983500.4/48

- sign 0.001+/-0.000 χ^2/NDF: 5326833.5/24



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.029+/-0.009 χ^2/NDF:13.3/7

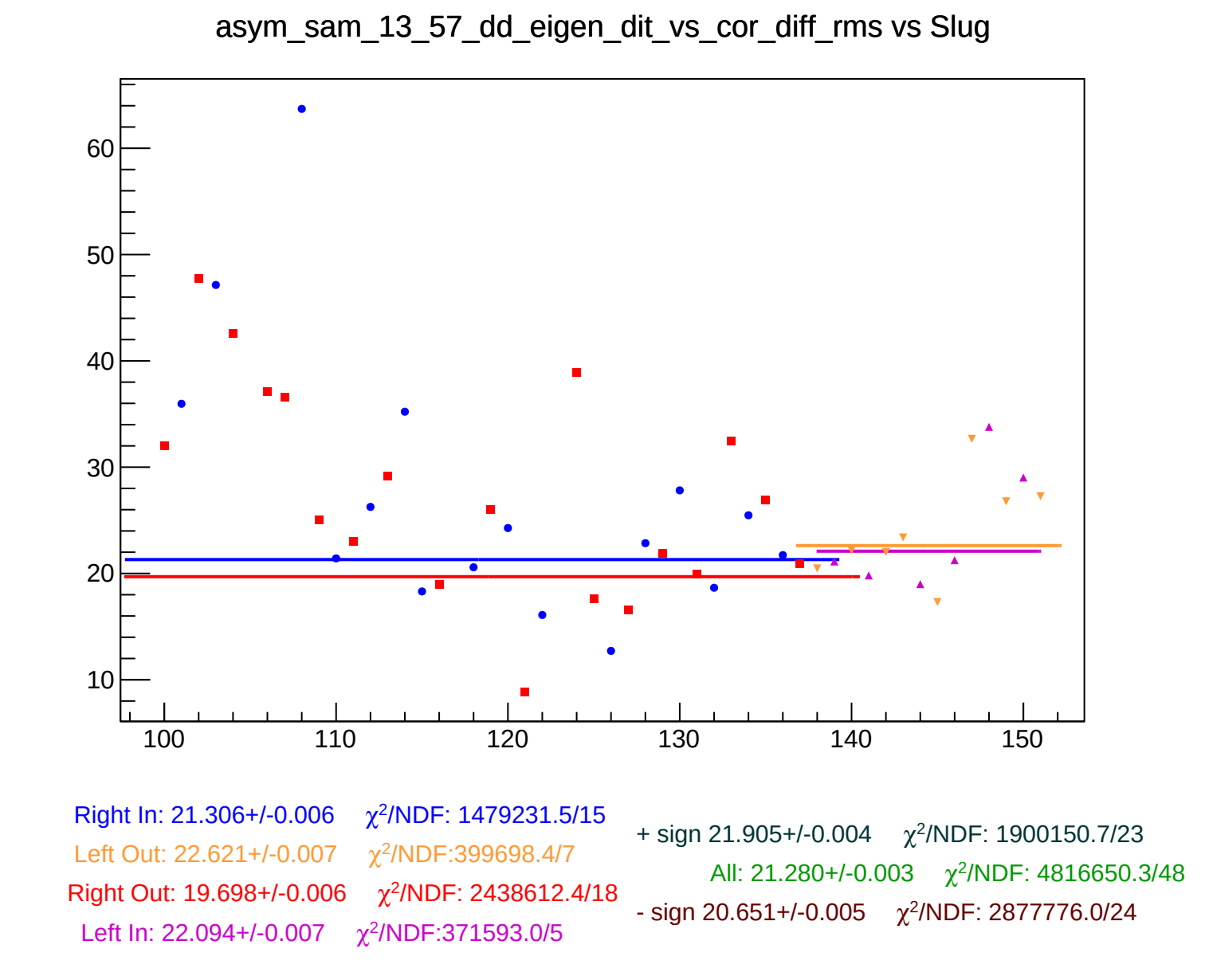
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.023+/-0.010 χ^2/NDF:2.2/5

+ sign 0.009+/-0.006 χ^2/NDF: 35.6/23

All: 0.014+/-0.005 χ^2/NDF: 49.1/48

- sign 0.018+/-0.006 χ^2/NDF: 12.6/24


asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs Slug
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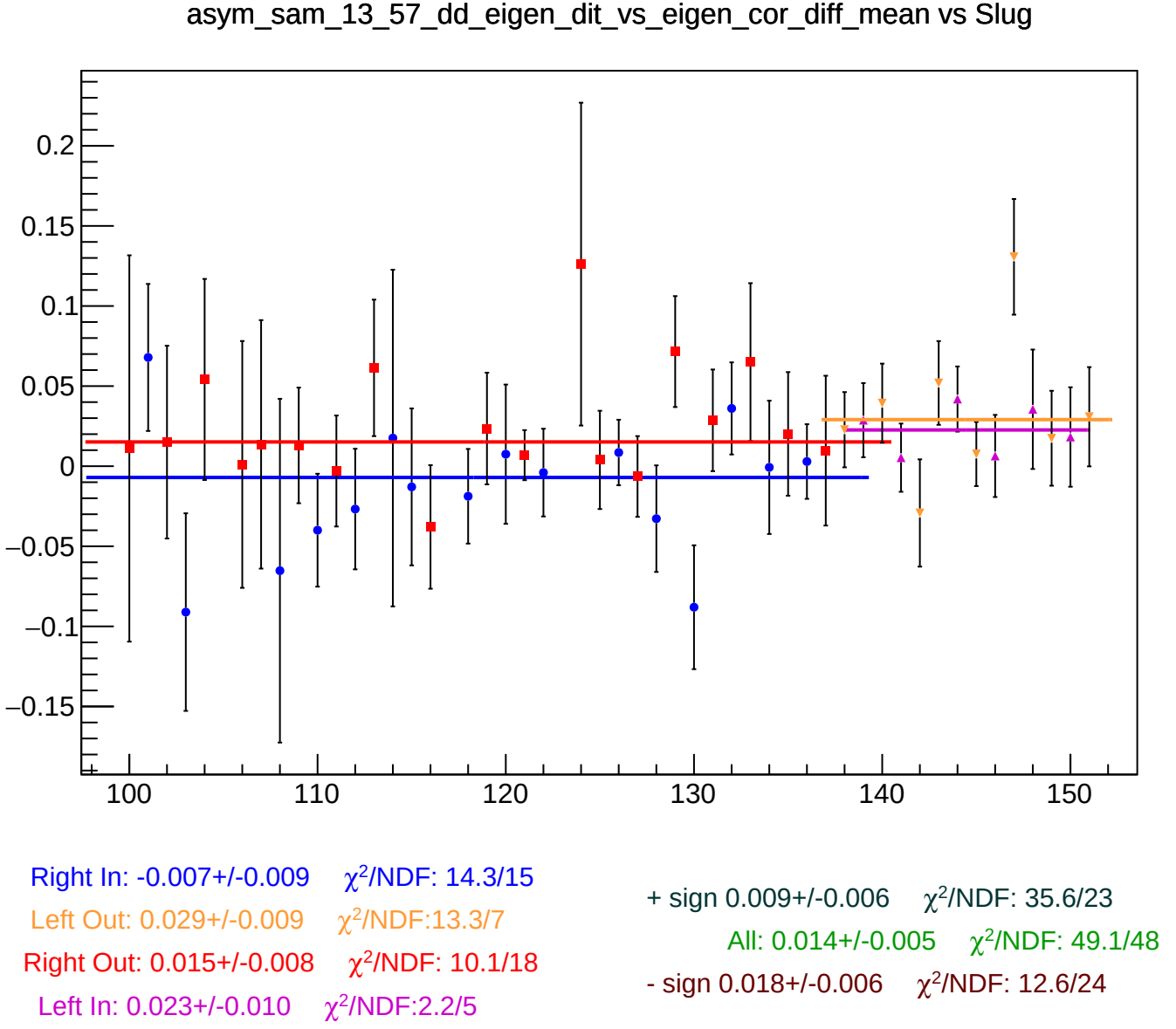
Right In: 21.306+/-0.006 χ²/NDF: 1479231.5/15
Left Out: 22.621+/-0.007 χ²/NDF:399698.4/7
Right Out: 19.698+/-0.006 χ²/NDF: 2438612.4/18
Left In: 22.094+/-0.007 χ²/NDF:371593.0/5
+ sign 21.905+/-0.004 χ²/NDF: 1900150.7/23
All: 21.280+/-0.003 χ²/NDF: 4816650.3/48
- sign 20.651+/-0.005 χ²/NDF: 2877776.0/24


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.2
0.15
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0
−0.05
−0.1
−0.15
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140
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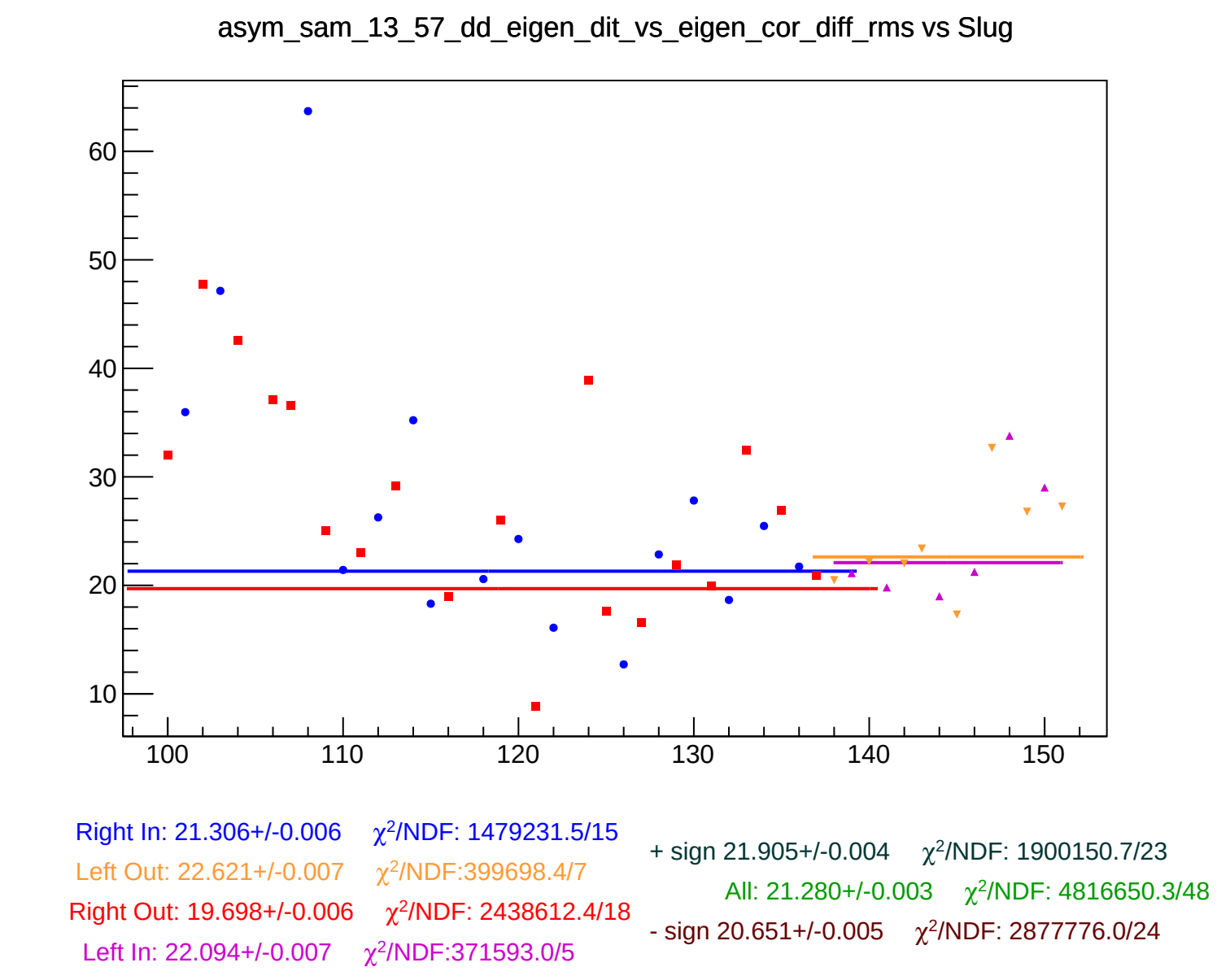
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.029+/-0.009 χ²/NDF:13.3/7
Right Out: 0.015+/-0.008 χ²/NDF: 10.1/18
Left In: 0.023+/-0.010 χ²/NDF:2.2/5
+ sign 0.009+/-0.006 χ²/NDF: 35.6/23
All: 0.014+/-0.005 χ²/NDF: 49.1/48
- sign 0.018+/-0.006 χ²/NDF: 12.6/24


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
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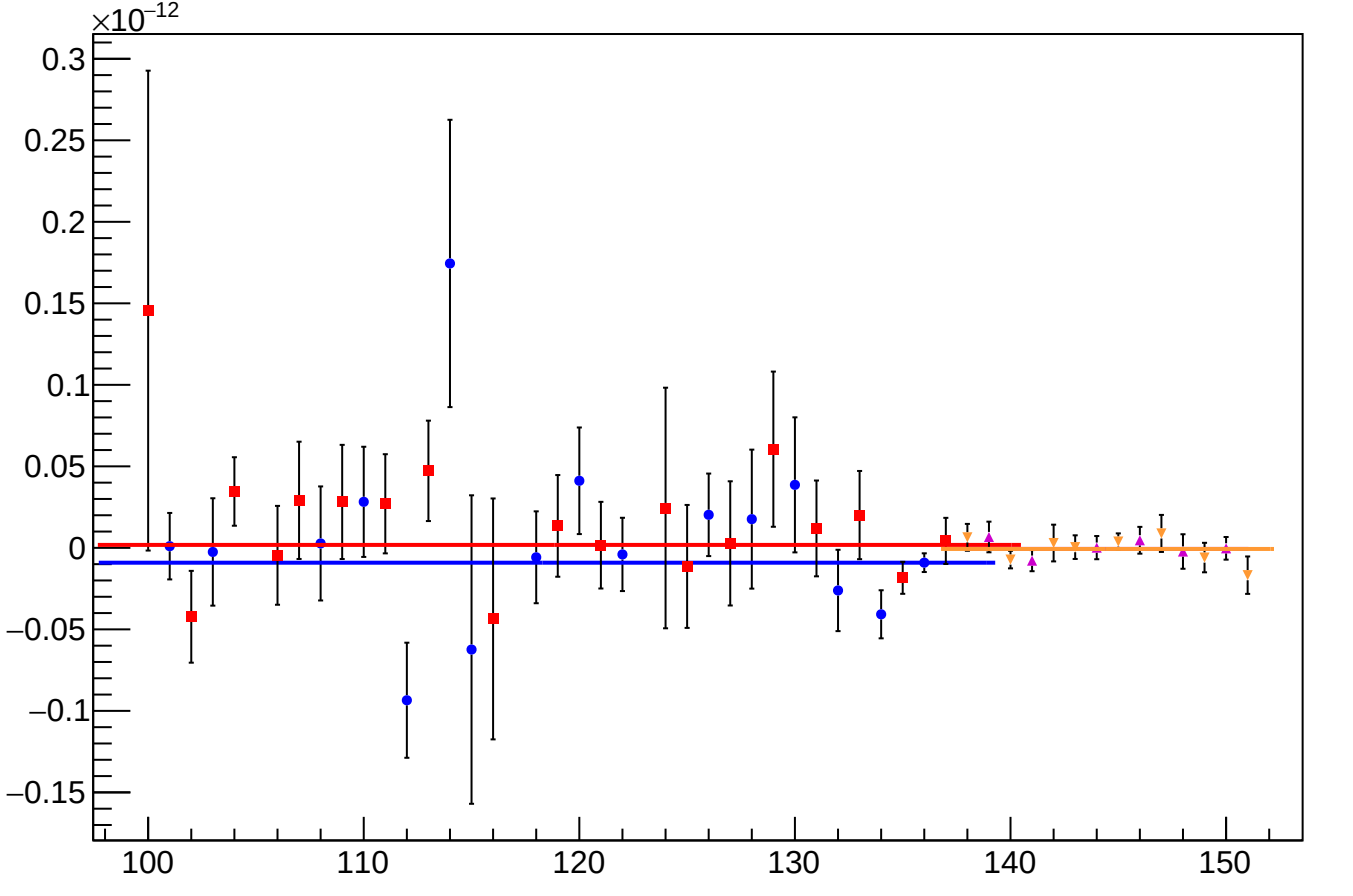
Right In: 21.306+/-0.006 χ²/NDF: 1479231.5/15
Left Out: 22.621+/-0.007 χ²/NDF:399698.4/7
Right Out: 19.698+/-0.006 χ²/NDF: 2438612.4/18
Left In: 22.094+/-0.007 χ²/NDF:371593.0/5
+ sign 21.905+/-0.004 χ²/NDF: 1900150.7/23
All: 21.280+/-0.003 χ²/NDF: 4816650.3/48
- sign 20.651+/-0.005 χ²/NDF: 2877776.0/24



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.2/7

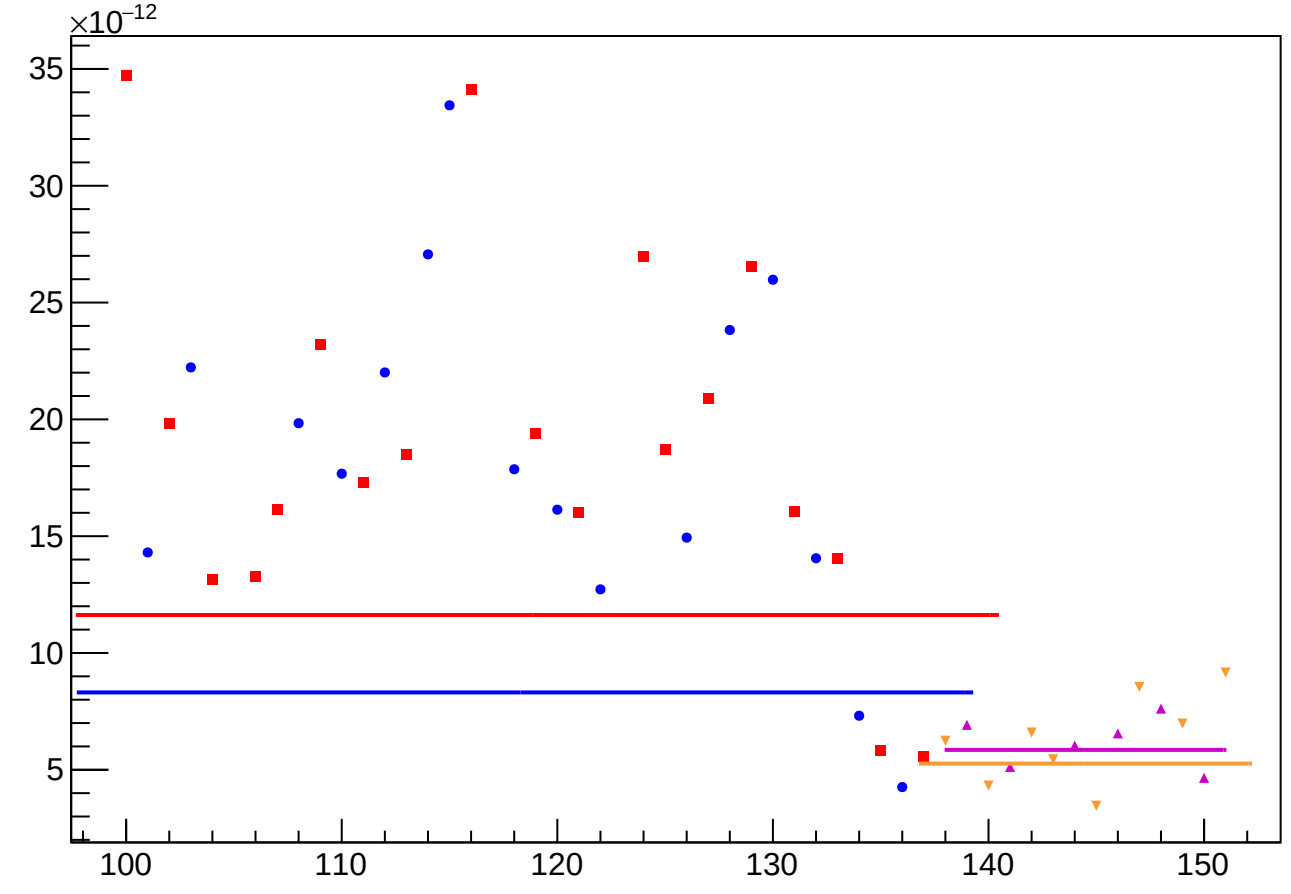
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:2.3/5

+ sign -0.000+/-0.000 χ^2/NDF: 31.3/23

All: -0.000+/-0.000 χ^2/NDF: 51.4/48

- sign -0.000+/-0.000 χ^2/NDF: 19.4/24



Right In: 0.000+/-0.000 χ^2/NDF: 3731754.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:847291.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2610908.4/18

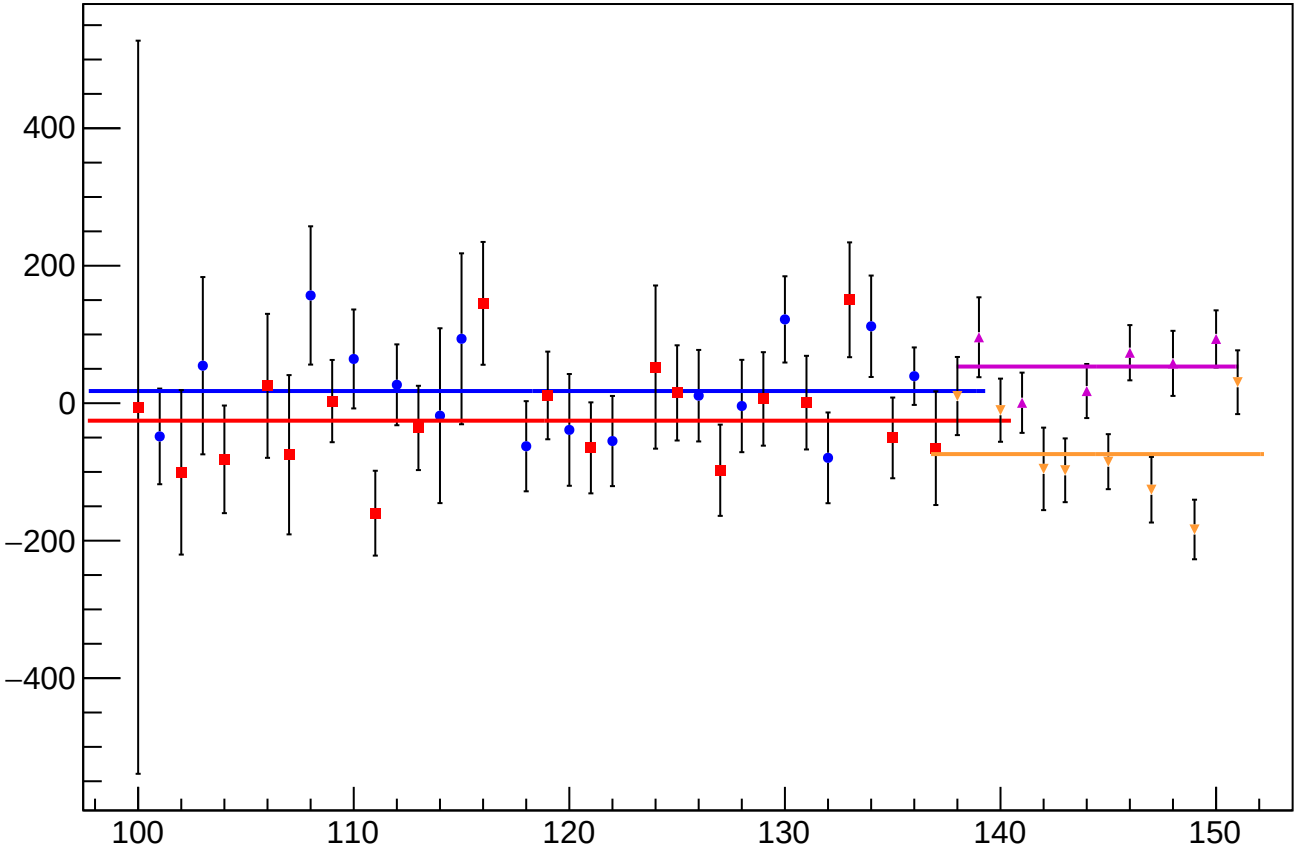
Left In: 0.000+/-0.000 χ^2/NDF:182617.6/5

+ sign 0.000+/-0.000 χ^2/NDF: 5261897.2/23

All: 0.000+/-0.000 χ^2/NDF: 9843478.4/48

- sign 0.000+/-0.000 χ^2/NDF: 4366038.1/24

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -74.045+/-16.700 χ^2/NDF:17.3/7

Right Out: -25.440+/-17.337 χ^2/NDF: 17.8/18

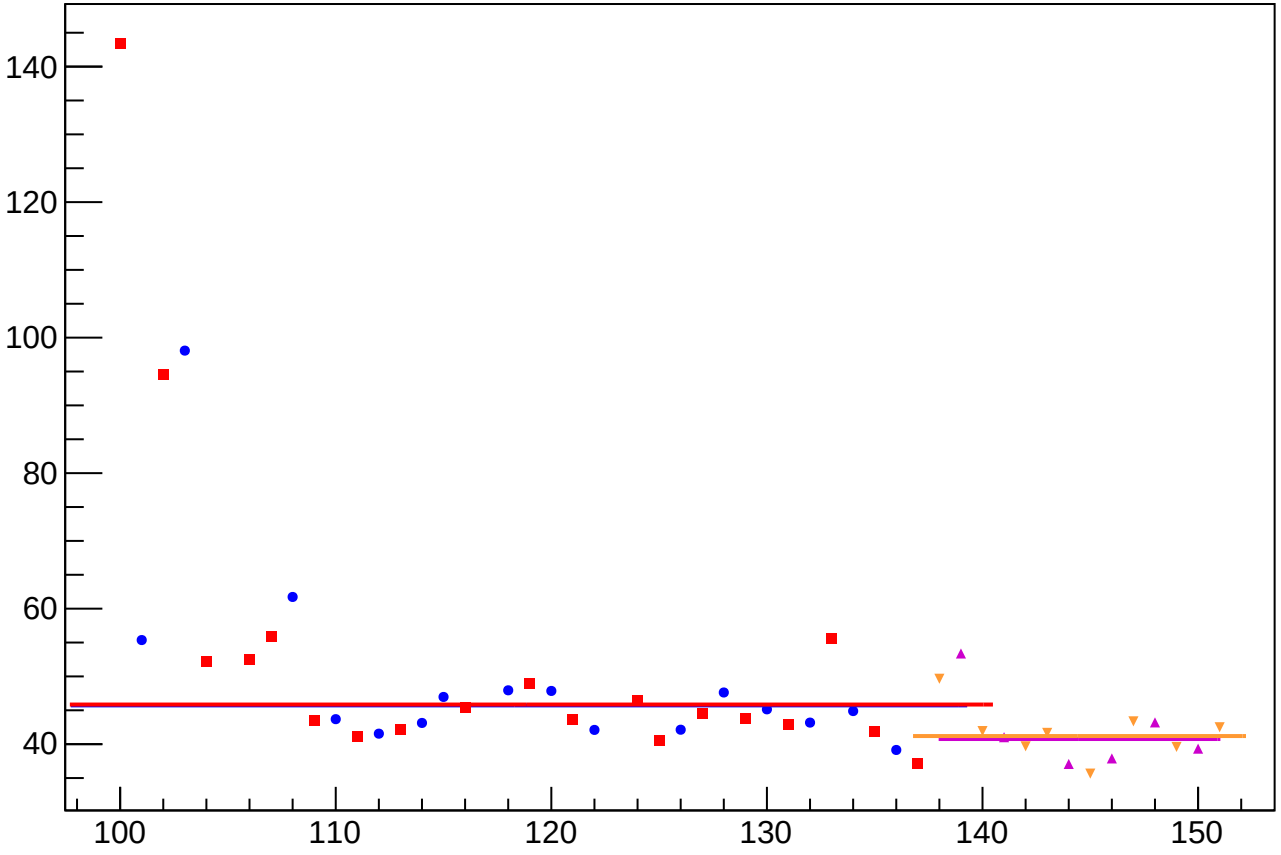
Left In: 53.316+/-17.940 χ^2/NDF:4.0/5

+ sign -30.239+/-12.072 χ^2/NDF: 45.6/23

All: -9.514+/-8.672 χ^2/NDF: 83.5/48

- sign 12.590+/-12.467 χ^2/NDF: 31.8/24

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 41.198+/-0.012 χ^2/NDF:93043.8/7

Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

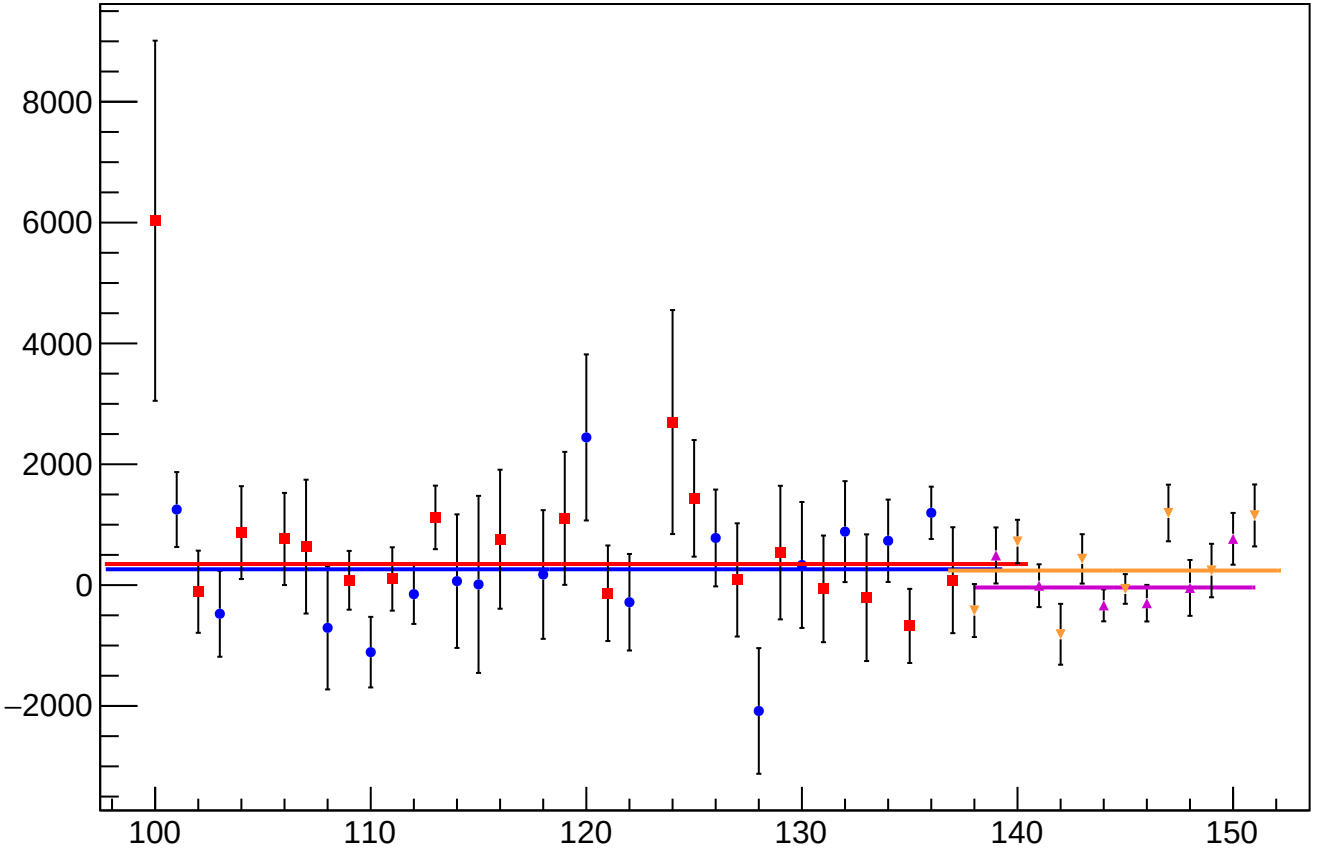
Left In: 40.761+/-0.013 χ^2/NDF:129804.6/5

+ sign 43.360+/-0.009 χ^2/NDF: 664742.1/23

All: 43.376+/-0.006 χ^2/NDF: 1417904.0/48

- sign 43.392+/-0.009 χ^2/NDF: 753155.1/24

asym_sam_15_37_dd_reg_correction_mean vs Slug



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 241.196+/-137.484 χ^2/NDF:17.5/7

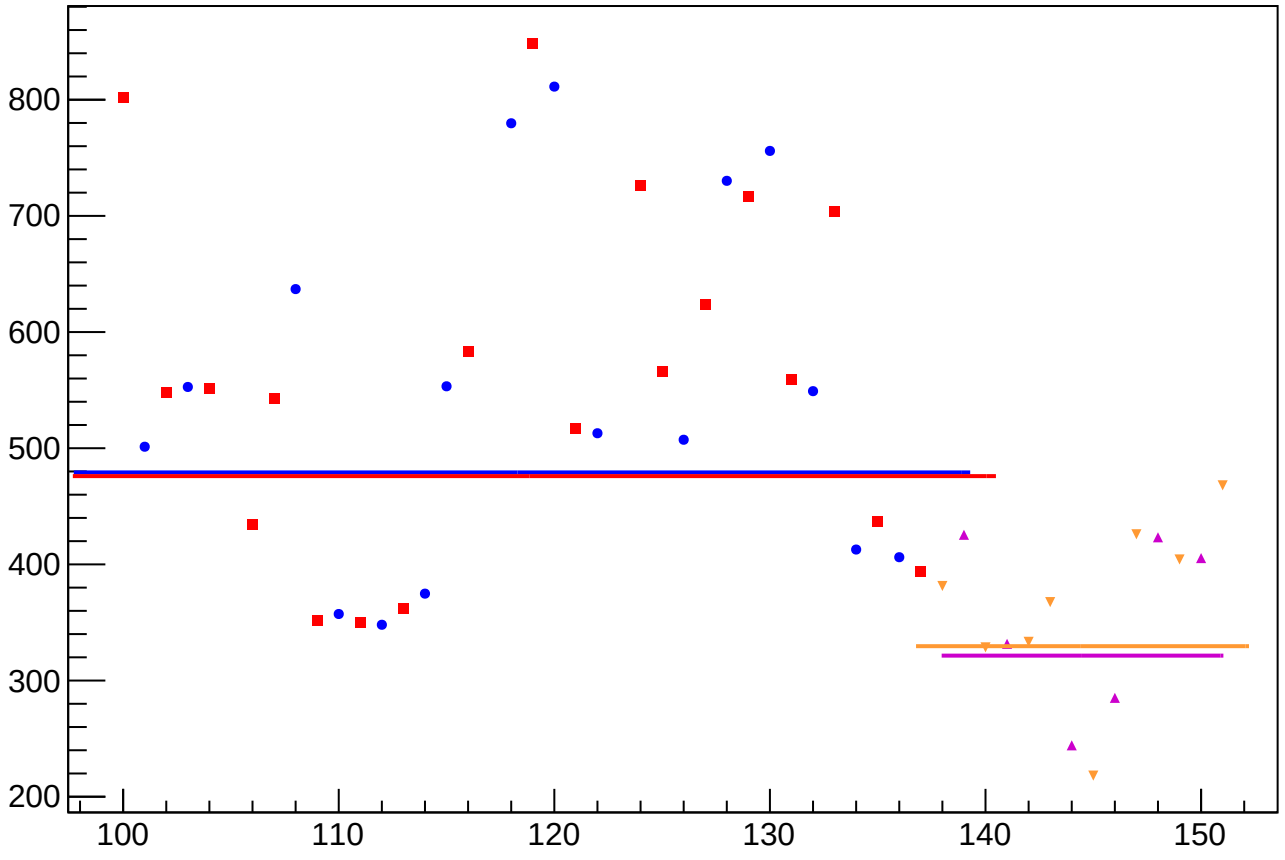
Right Out: 348.685+/-180.682 χ^2/NDF: 14.9/18

Left In: -39.293+/-144.436 χ^2/NDF:6.8/5

+ sign 248.567+/-110.393 χ^2/NDF: 42.5/23

All: 181.754+/-78.903 χ^2/NDF: 67.8/48

- sign 111.973+/-112.819 χ^2/NDF: 24.6/24



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 329.589+/-0.097 χ^2/NDF:744507.4/7

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

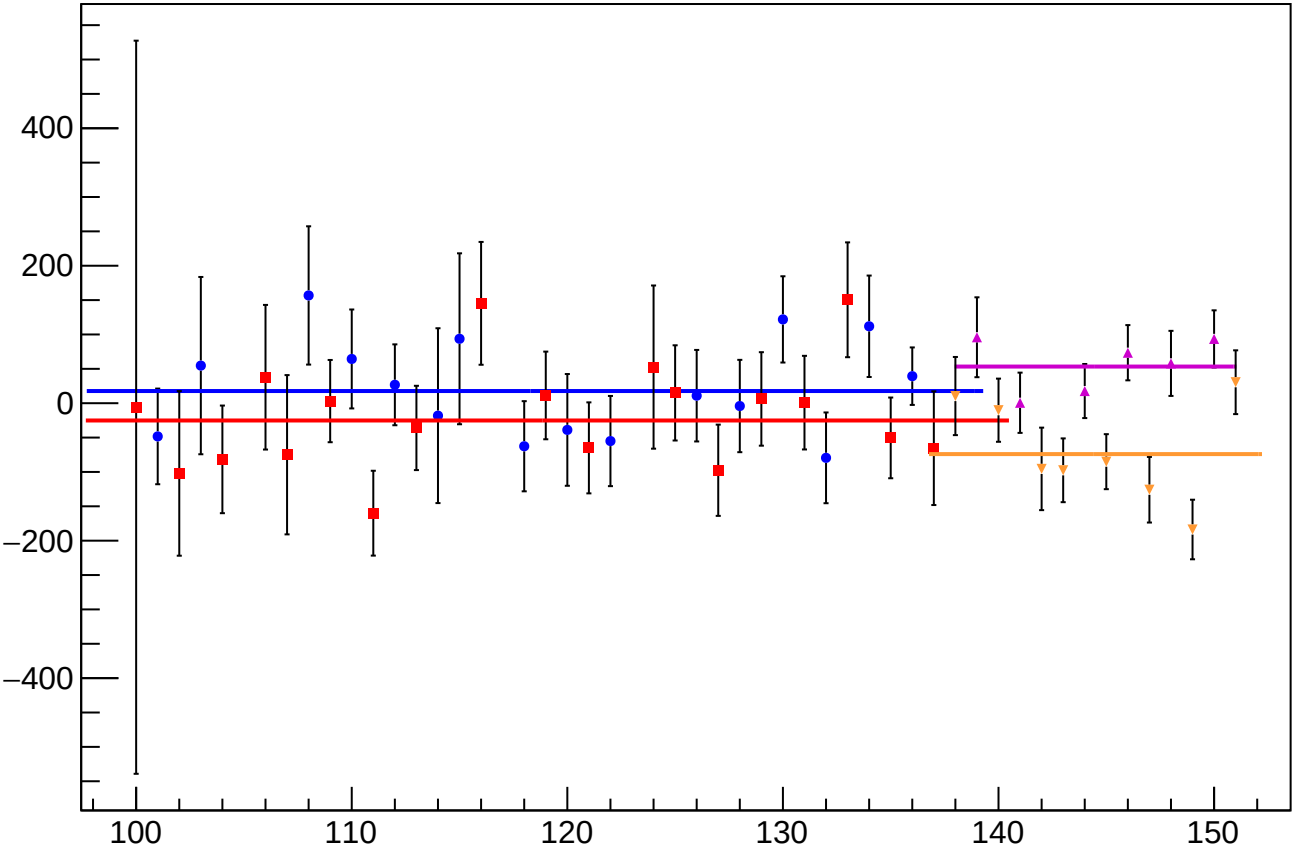
Left In: 321.457+/-0.102 χ^2/NDF:475320.5/5

\+ sign 382.733+/-0.078 χ^2/NDF: 2538355.9/23

All: 382.231+/-0.056 χ^2/NDF: 4912868.0/48

\- sign 381.707+/-0.080 χ^2/NDF: 2374427.8/24

cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -74.045+/-16.700 χ^2/NDF:17.3/7

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

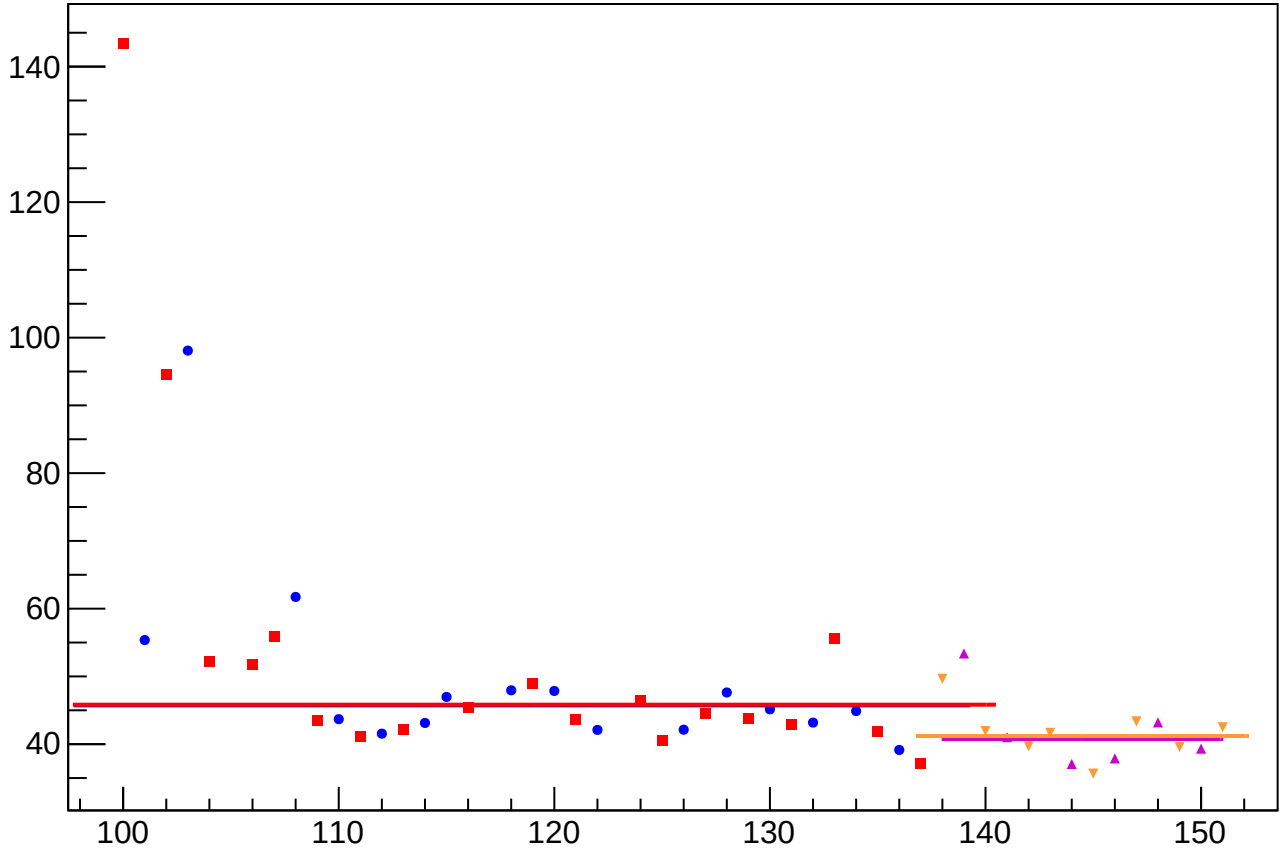
Left In: 53.315+/-17.940 χ^2/NDF:4.0/5

\+ sign -30.237+/-12.072 χ^2/NDF: 45.6/23

All: -9.438+/-8.673 χ^2/NDF: 83.6/48

\- sign 12.748+/-12.468 χ^2/NDF: 31.9/24

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 41.198+/-0.012 χ^2/NDF:93043.8/7

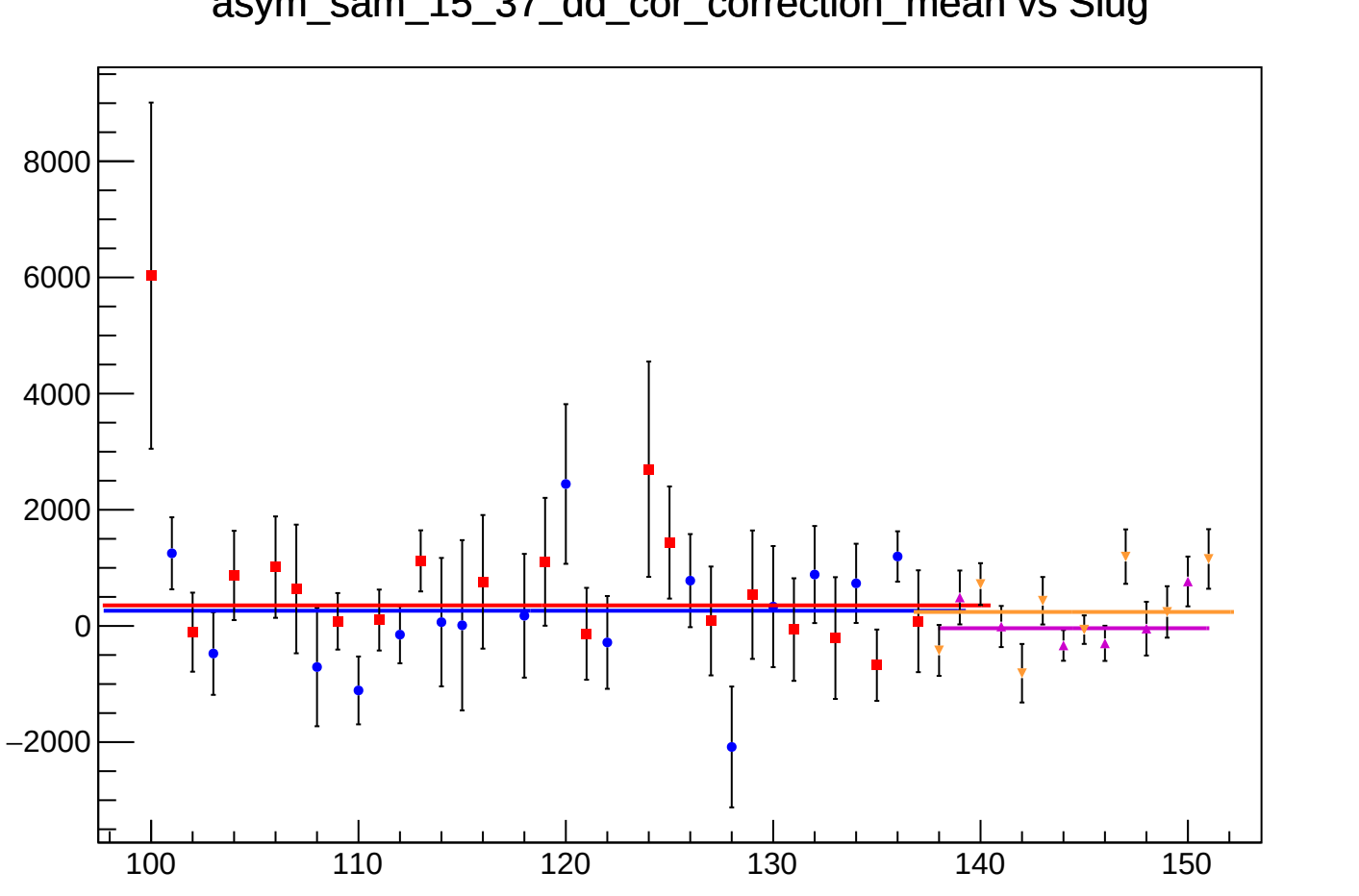
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 40.761+/-0.013 χ^2/NDF:129804.6/5

+ sign 43.360+/-0.009 χ^2/NDF: 664745.1/23

All: 43.369+/-0.006 χ^2/NDF: 1415427.6/48

- sign 43.379+/-0.009 χ^2/NDF: 750680.0/24



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 241.194+/-137.484 χ^2/NDF:17.5/7

Right Out: 354.204+/-181.903 χ^2/NDF: 15.2/18

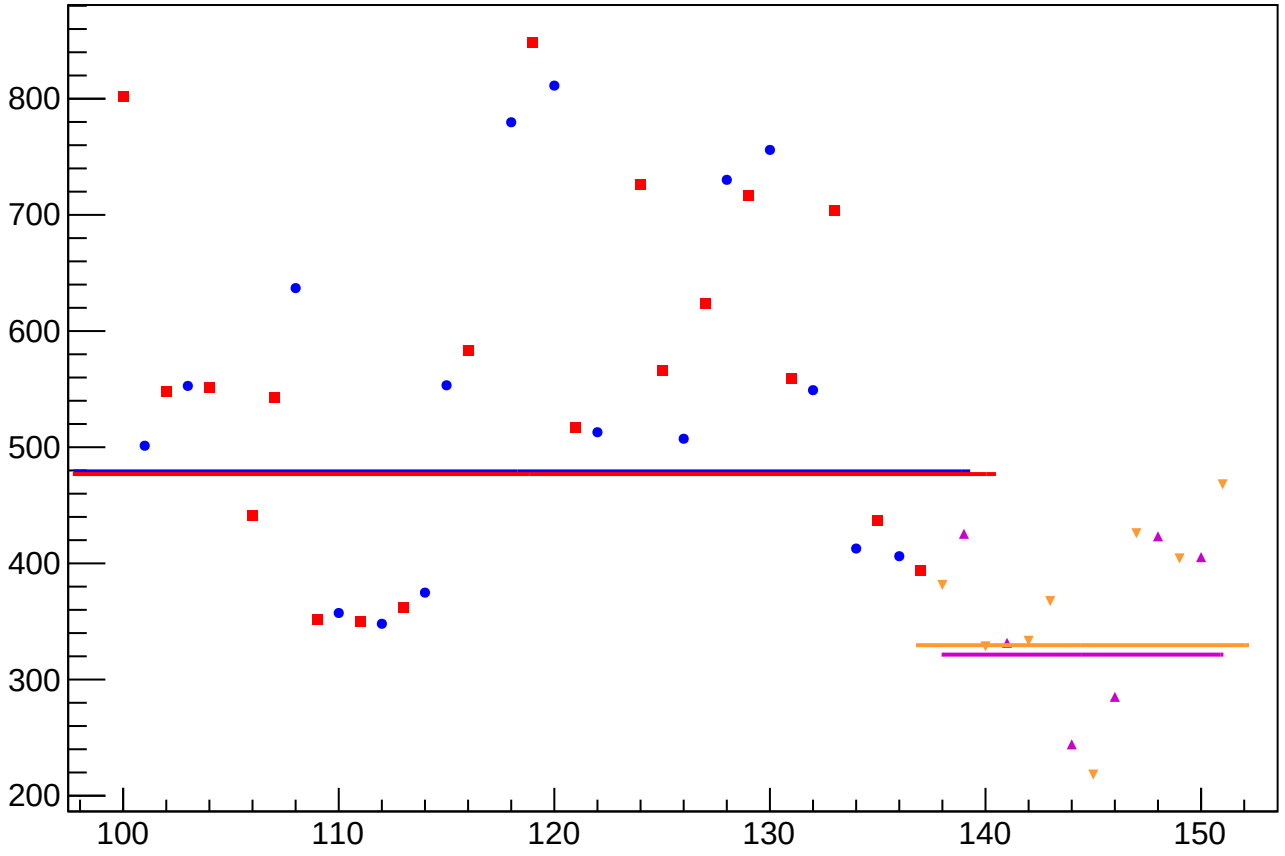
Left In: -39.293+/-144.436 χ^2/NDF:6.8/5

+ sign 248.567+/-110.394 χ^2/NDF: 42.5/23

All: 182.368+/-79.004 χ^2/NDF: 68.1/48

- sign 112.866+/-113.114 χ^2/NDF: 24.9/24

asym_sam_15_37_dd_cor_correction_rms vs Slug



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 329.589+/-0.097 χ^2/NDF:744507.5/7

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

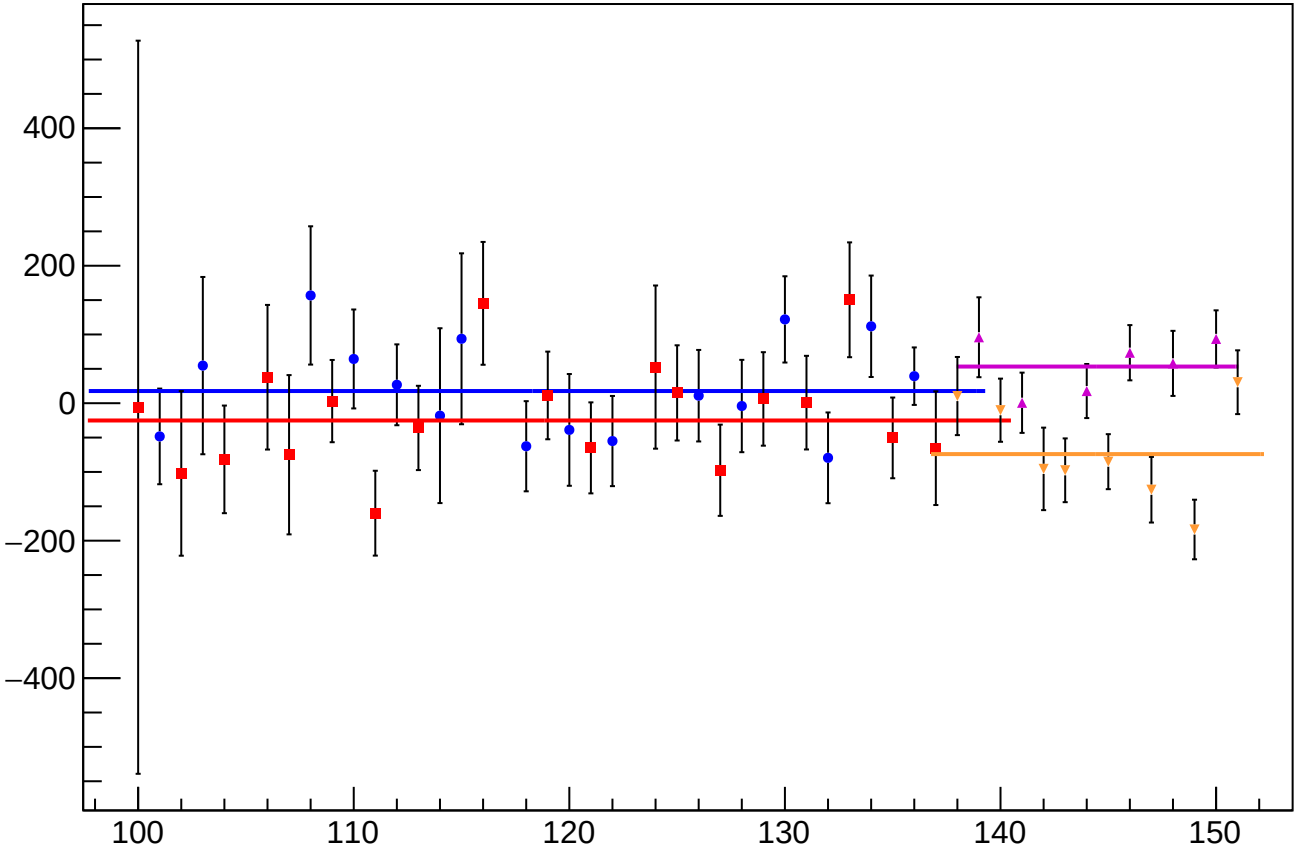
Left In: 321.457+/-0.102 χ^2/NDF:475322.1/5

\+ sign 382.733+/-0.078 χ^2/NDF: 2538404.9/23

All: 382.162+/-0.056 χ^2/NDF: 4913251.6/48

\- sign 381.562+/-0.080 χ^2/NDF: 2374736.8/24

eigen_cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -74.045+/-16.700 χ^2/NDF:17.3/7

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

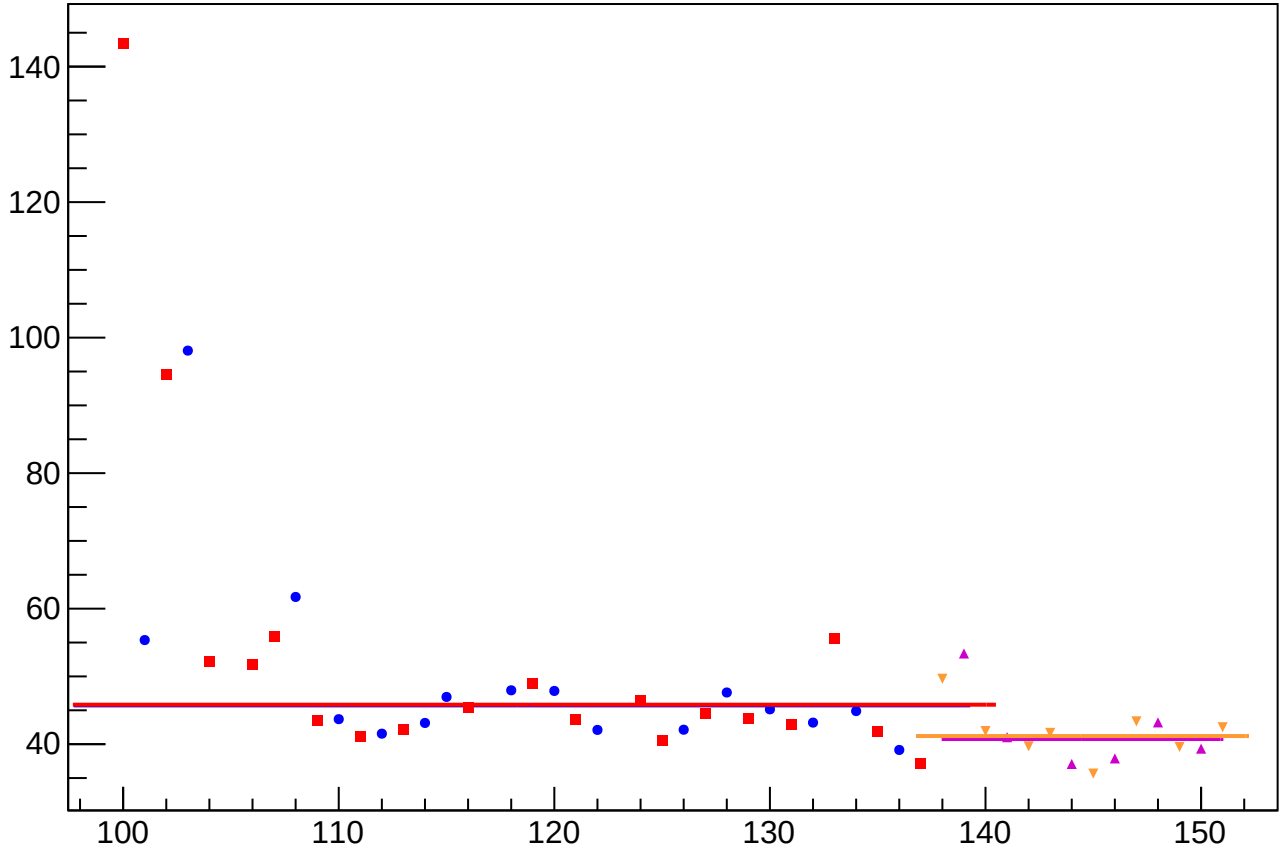
Left In: 53.315+/-17.940 χ^2/NDF:4.0/5

+ sign -30.237+/-12.072 χ^2/NDF: 45.6/23

All: -9.438+/-8.673 χ^2/NDF: 83.6/48

- sign 12.748+/-12.468 χ^2/NDF: 31.9/24

eigen_cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 41.198+/-0.012 χ^2/NDF:93043.8/7

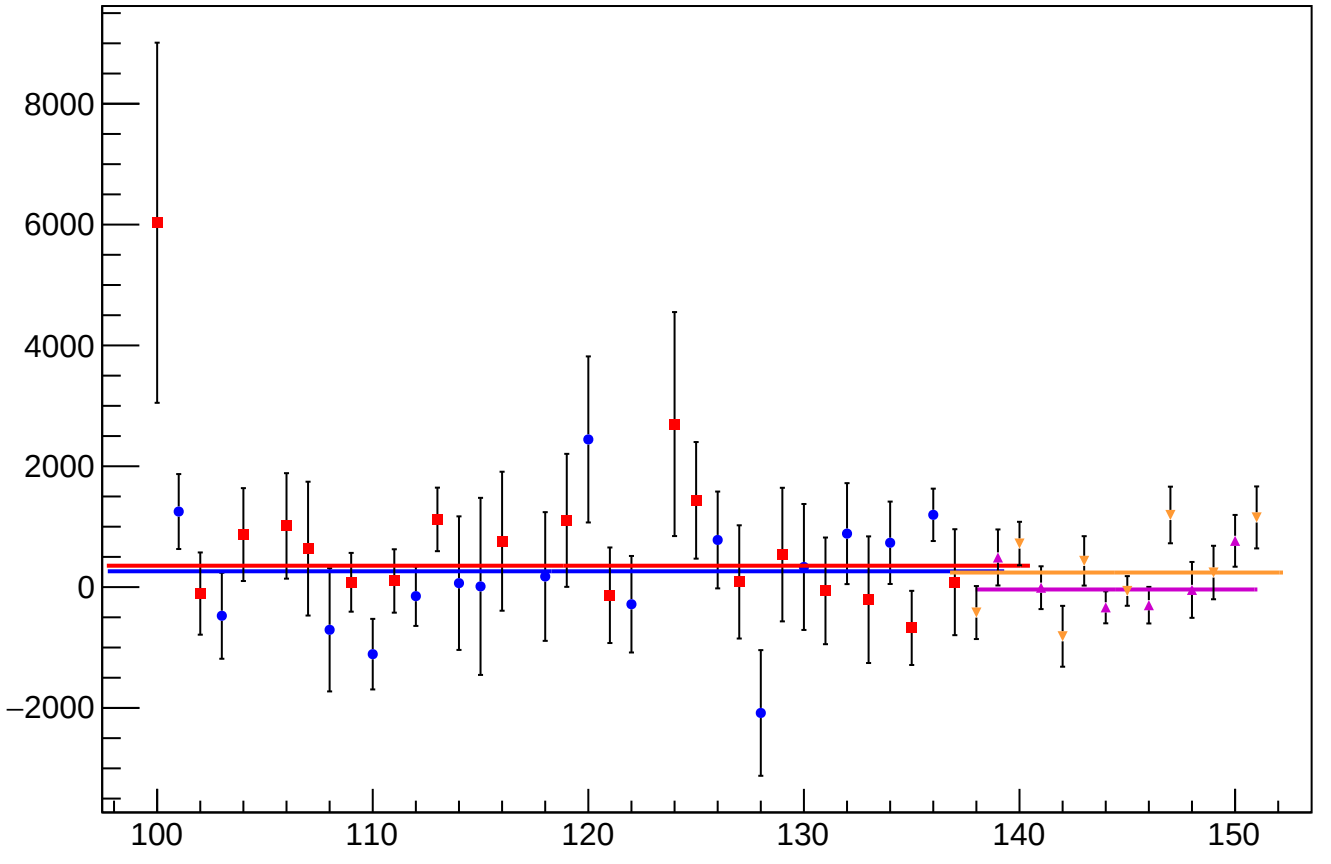
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 40.761+/-0.013 χ^2/NDF:129804.6/5

+ sign 43.360+/-0.009 χ^2/NDF: 664745.1/23

All: 43.369+/-0.006 χ^2/NDF: 1415427.6/48

- sign 43.379+/-0.009 χ^2/NDF: 750680.0/24



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 241.194+/-137.484 χ^2/NDF:17.5/7

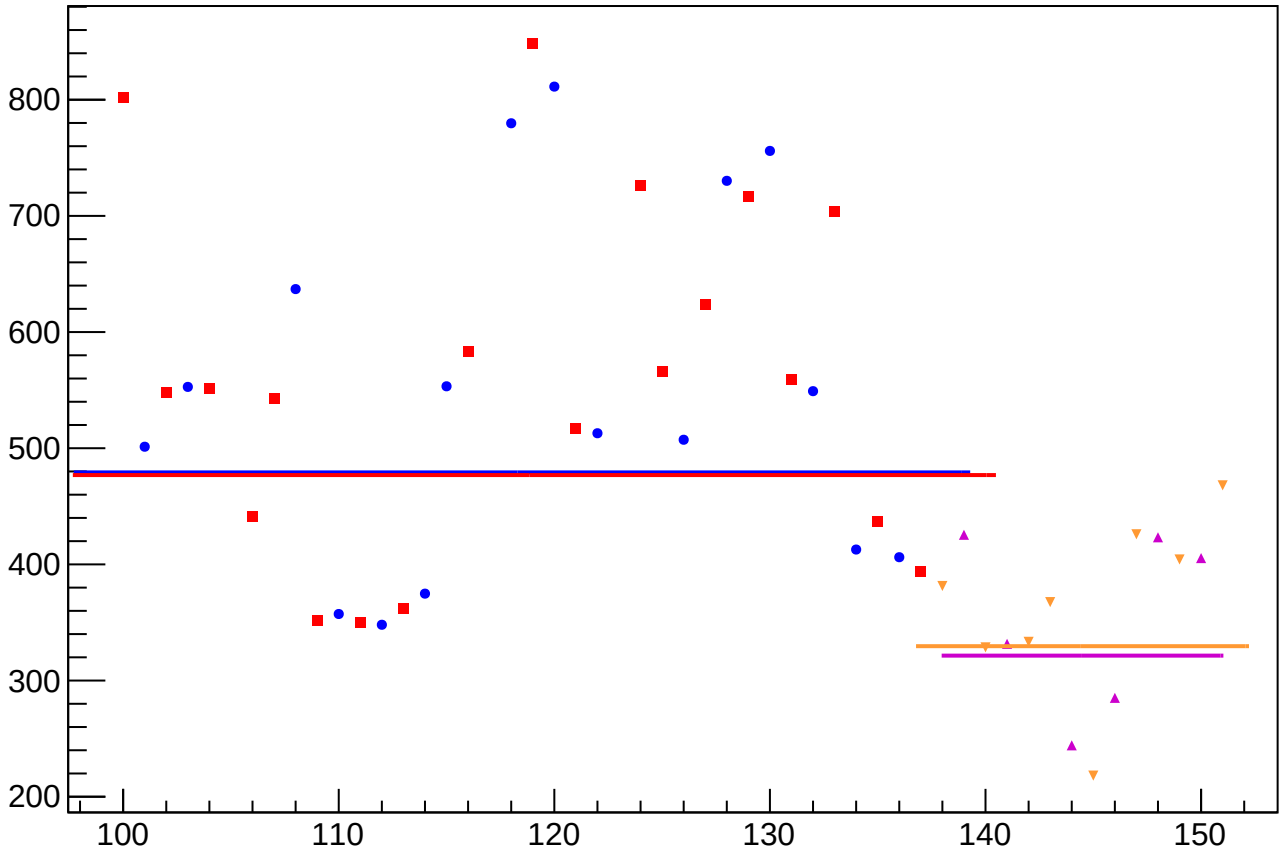
Right Out: 354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: -39.293+/-144.436 χ^2/NDF:6.8/5

+ sign 248.567+/-110.394 χ^2/NDF: 42.5/23

All: 182.368+/-79.004 χ^2/NDF: 68.1/48

- sign 112.866+/-113.114 χ^2/NDF: 24.9/24



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 329.589+/-0.097 χ^2/NDF:744507.5/7

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

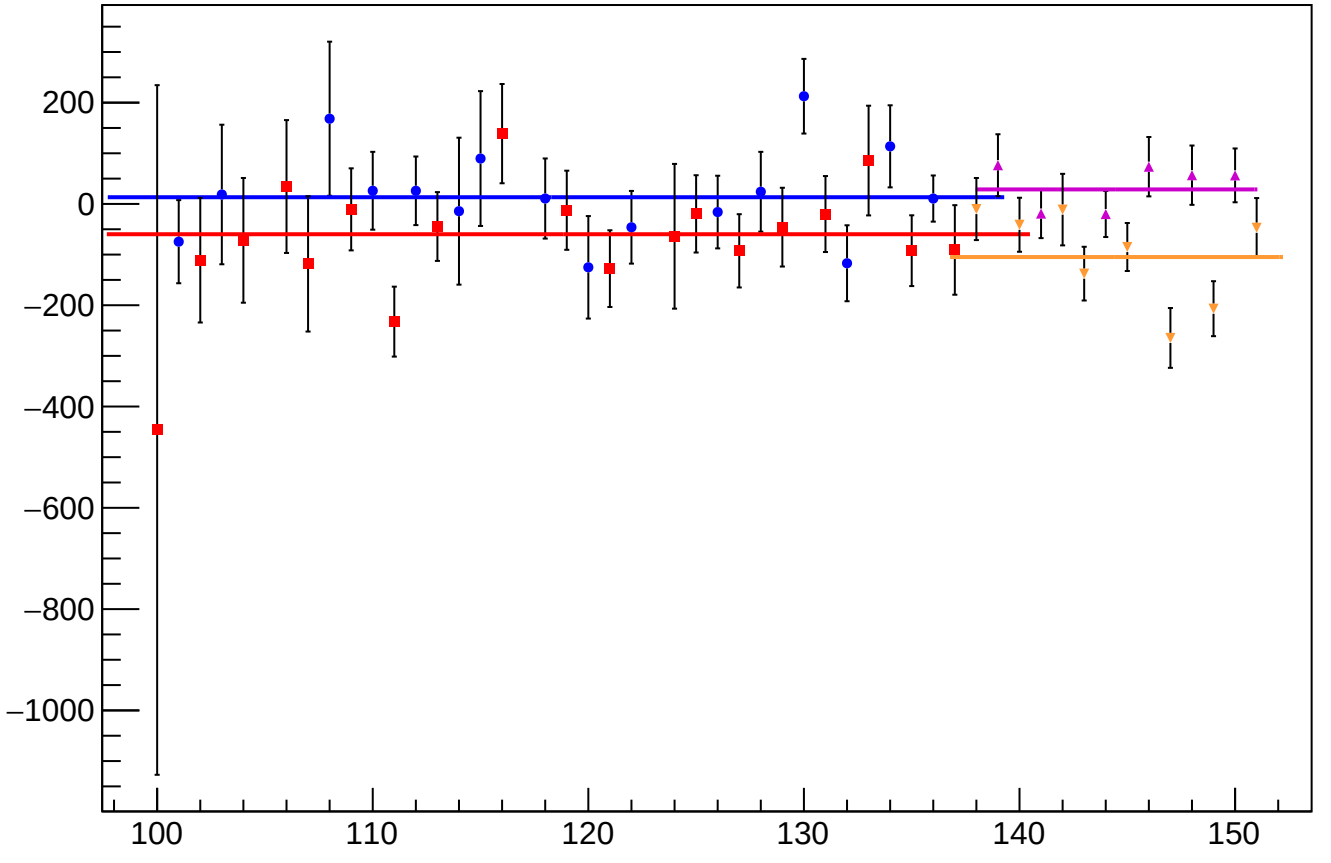
Left In: 321.457+/-0.102 χ^2/NDF:475322.1/5

\+ sign 382.733+/-0.078 χ^2/NDF: 2538404.9/23

All: 382.162+/-0.056 χ^2/NDF: 4913251.6/48

\- sign 381.562+/-0.080 χ^2/NDF: 2374736.8/24

dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -104.848+/-19.858 χ^2/NDF:17.9/7

Right Out: -59.810+/-20.234 χ^2/NDF: 16.1/18

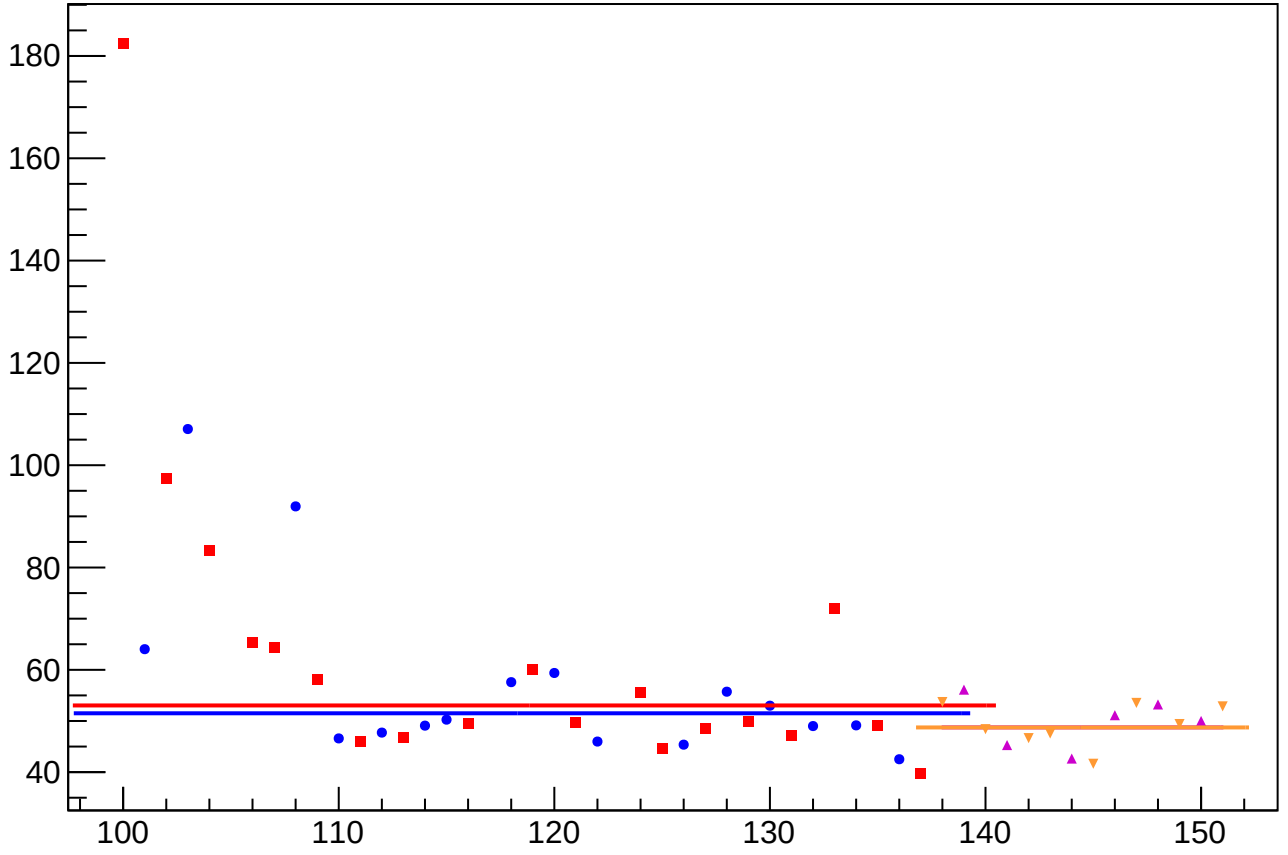
Left In: 28.665+/-21.741 χ^2/NDF:3.8/5

+ sign -45.765+/-14.039 χ^2/NDF: 52.9/23

All: -32.979+/-10.189 χ^2/NDF: 83.4/48

- sign -18.746+/-14.812 χ^2/NDF: 28.8/24

dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 48.737+/-0.014 χ^2/NDF:84195.6/7

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

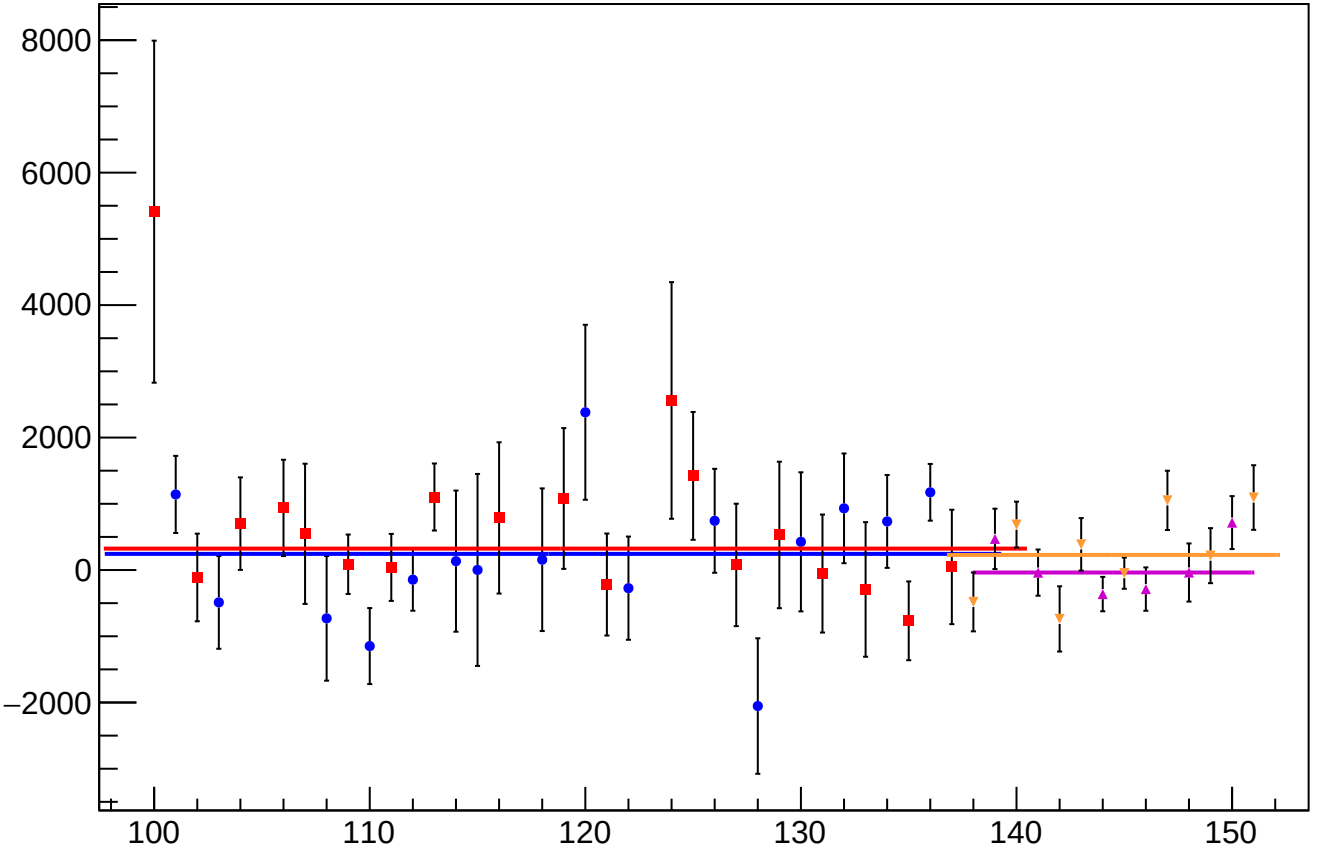
Left In: 48.747+/-0.015 χ^2/NDF:91489.2/5

+ sign 50.122+/-0.010 χ^2/NDF: 770699.4/23

All: 50.559+/-0.007 χ^2/NDF: 1620926.8/48

- sign 51.046+/-0.010 χ^2/NDF: 846124.2/24

asym_sam_15_37_dd_dit_correction_mean vs Slug



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 228.009+/-132.633 χ^2/NDF:16.2/7

Right Out: 323.628+/-173.632 χ^2/NDF: 16.5/18

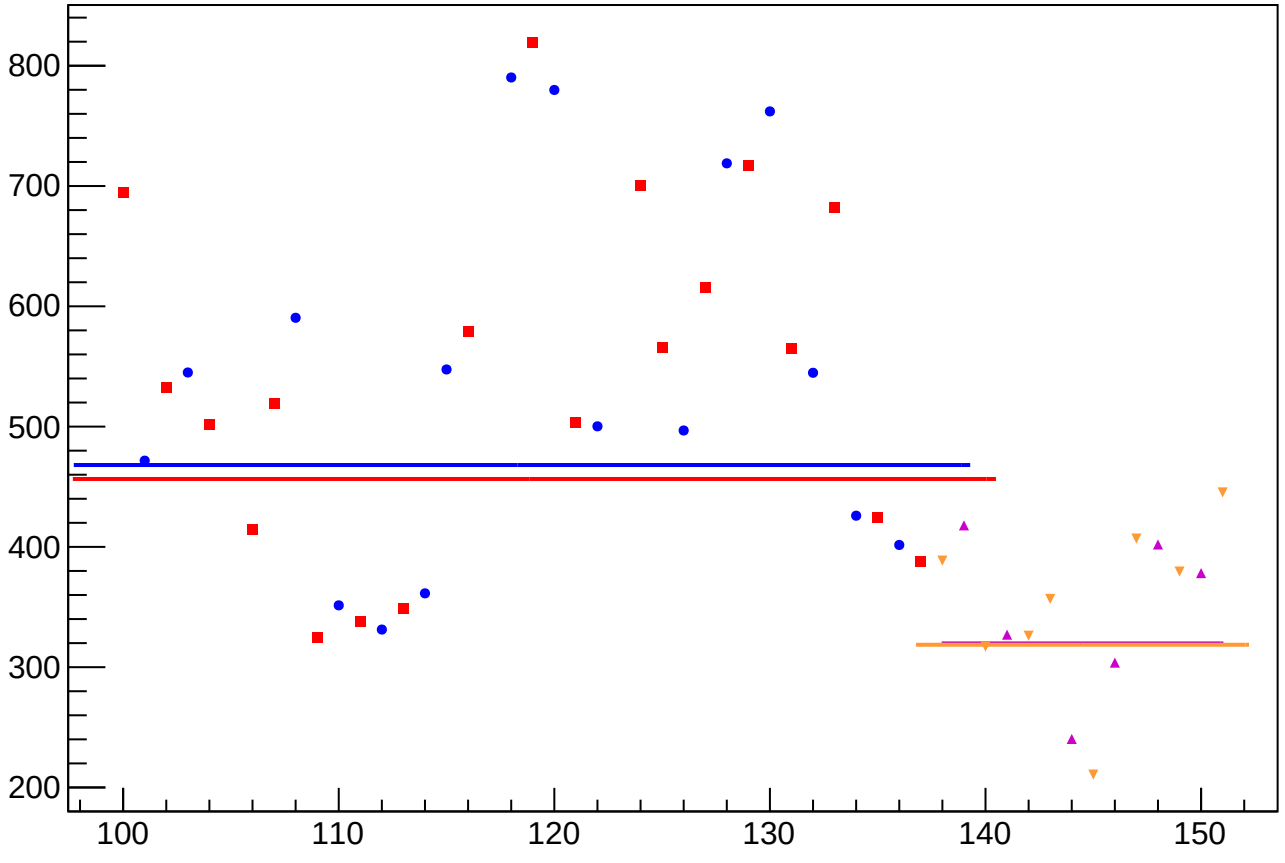
Left In: -37.484+/-143.398 χ^2/NDF:7.0/5

+ sign 233.541+/-106.958 χ^2/NDF: 41.8/23

All: 173.309+/-76.875 χ^2/NDF: 68.5/48

- sign 108.945+/-110.566 χ^2/NDF: 26.0/24

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 468.066+/-0.128 χ^2/NDF: 982915.0/15

Left Out: 318.648+/-0.094 χ^2/NDF:743075.2/7

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

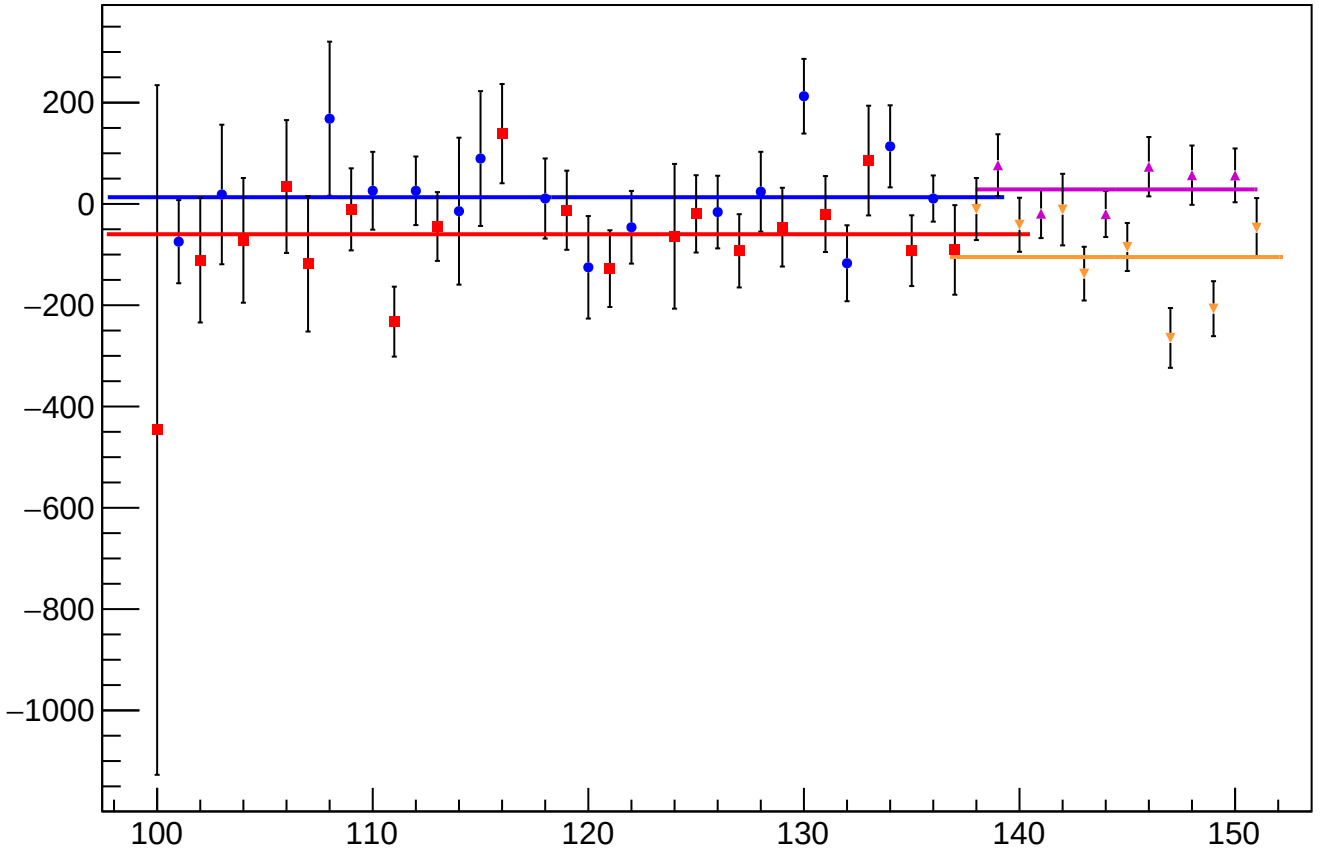
Left In: 319.768+/-0.101 χ^2/NDF:398213.1/5

+ sign 370.898+/-0.076 χ^2/NDF: 2613582.5/23

All: 372.977+/-0.054 χ^2/NDF: 4832918.5/48

- sign 375.199+/-0.078 χ^2/NDF: 2217772.0/24

eigen_dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -104.848+/-19.858 χ^2/NDF:17.9/7

Right Out: -59.811+/-20.234 χ^2/NDF: 16.1/18

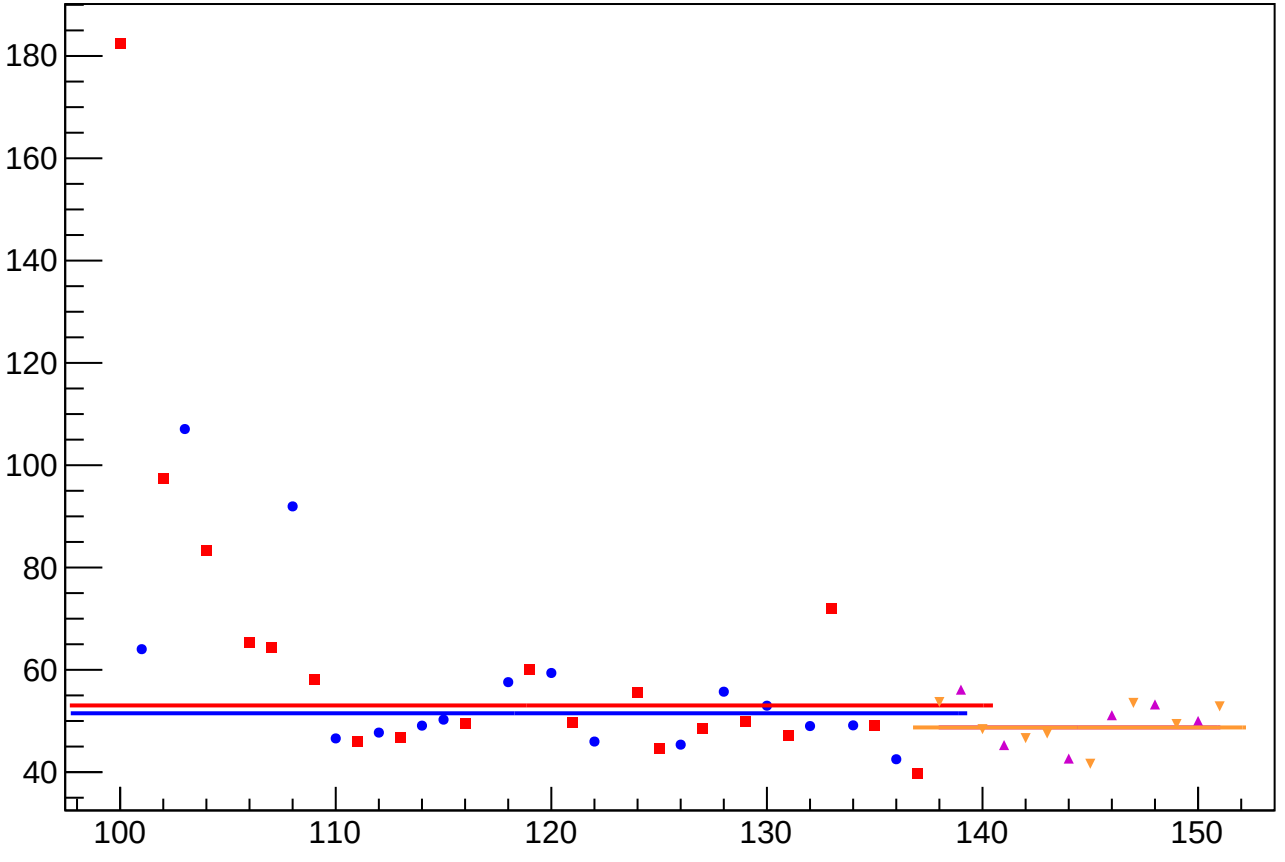
Left In: 28.665+/-21.741 χ^2/NDF:3.8/5

+ sign -45.765+/-14.039 χ^2/NDF: 52.9/23

All: -32.979+/-10.189 χ^2/NDF: 83.4/48

- sign -18.746+/-14.812 χ^2/NDF: 28.8/24

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 48.737+/-0.014 χ^2/NDF:84195.1/7

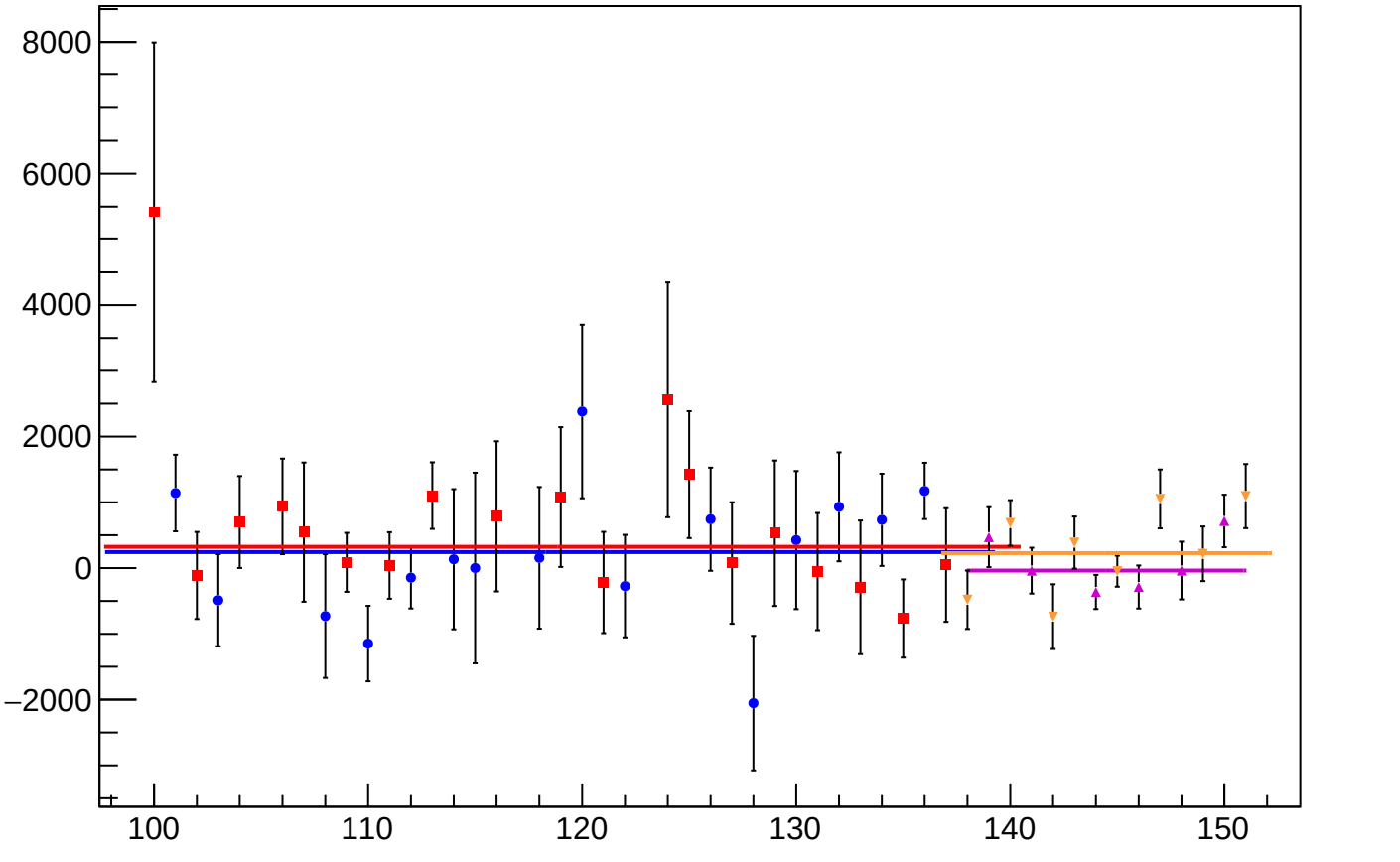
Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 48.747+/-0.015 χ^2/NDF:91488.3/5

+ sign 50.122+/-0.010 χ^2/NDF: 770703.8/23

All: 50.559+/-0.007 χ^2/NDF: 1620940.6/48

- sign 51.046+/-0.010 χ^2/NDF: 846133.6/24



Right In: 243.826+/-180.872 χ^2/NDF: 25.6/15

Left Out: 228.010+/-132.633 χ^2/NDF:16.2/7

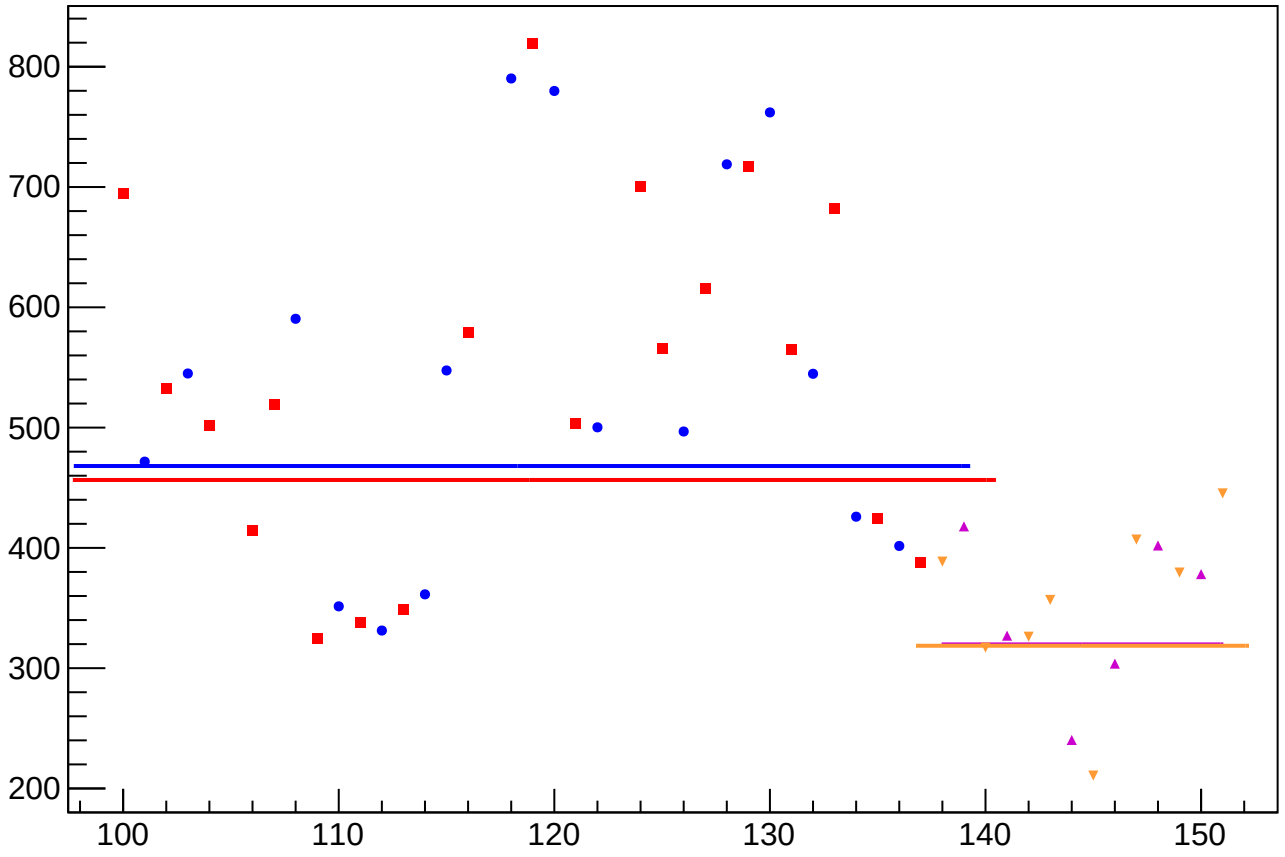
Right Out: 323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: -37.484+/-143.398 χ^2/NDF:7.0/5

\+ sign 233.541+/-106.958 χ^2/NDF: 41.8/23

All: 173.309+/-76.875 χ^2/NDF: 68.5/48

\- sign 108.945+/-110.566 χ^2/NDF: 26.0/24



Right In: 468.065+/-0.128 χ^2/NDF: 982915.8/15

Left Out: 318.648+/-0.094 χ^2/NDF:743079.1/7

Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

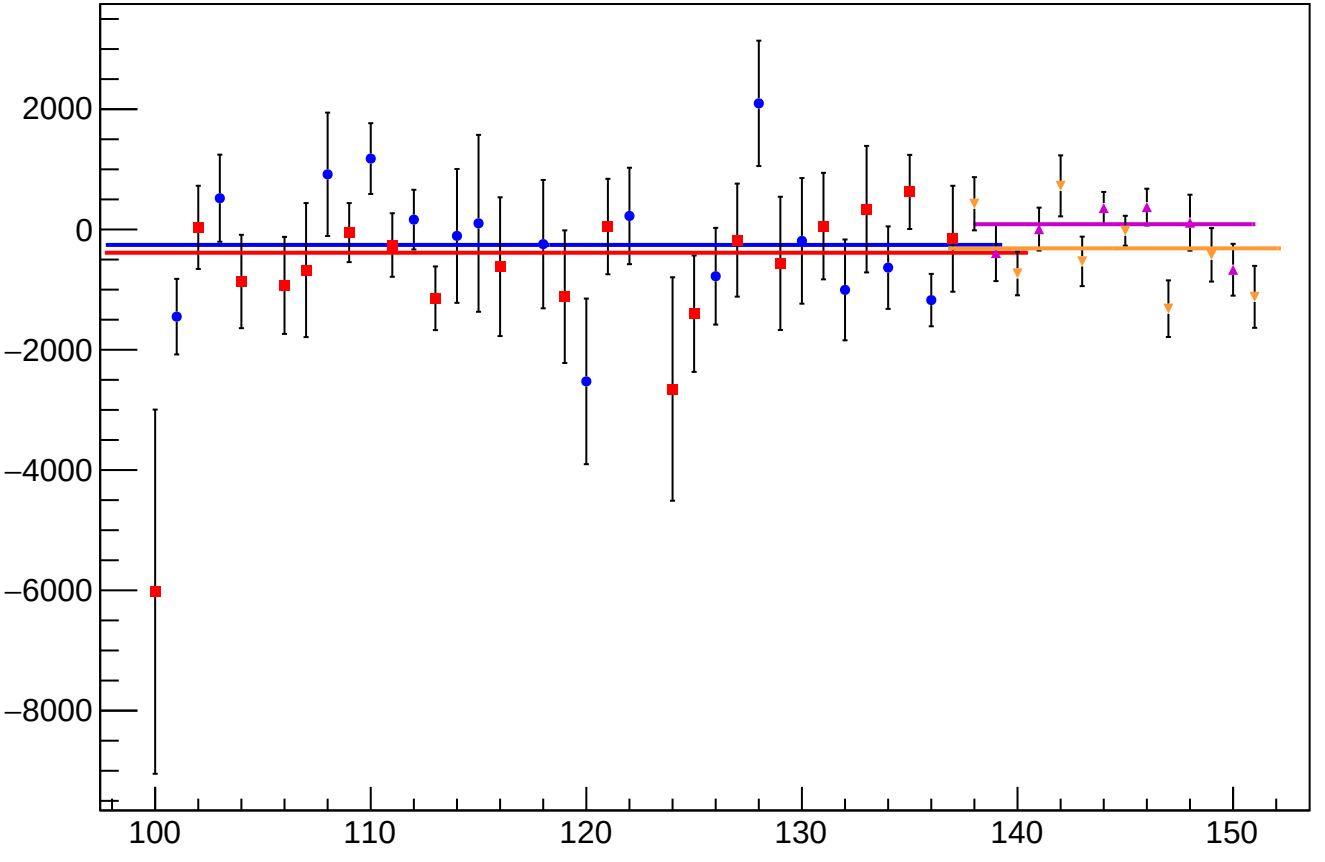
Left In: 319.769+/-0.101 χ^2/NDF:398215.6/5

\+ sign 370.897+/-0.076 χ^2/NDF: 2613579.8/23

All: 372.977+/-0.054 χ^2/NDF: 4832905.5/48

\- sign 375.199+/-0.078 χ^2/NDF: 2217761.6/24

asym_sam_15_37_dd_mean vs Slug



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -313.810+/-138.683 χ^2/NDF:17.0/7

Right Out: -386.449+/-182.363 χ^2/NDF: 14.2/18

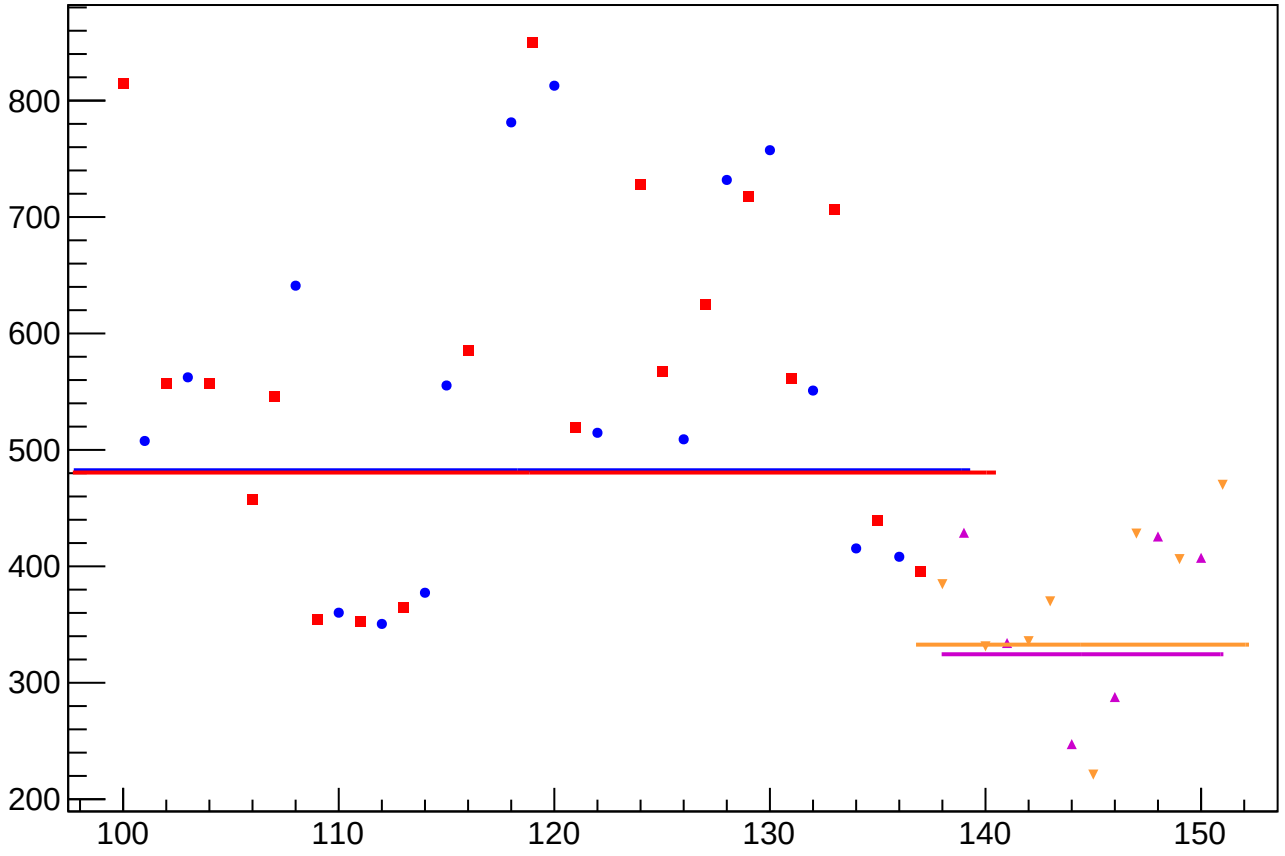
Left In: 87.540+/-145.706 χ^2/NDF:6.1/5

+ sign -293.487+/-111.279 χ^2/NDF: 44.0/23

All: -197.544+/-79.574 χ^2/NDF: 70.0/48

- sign -97.146+/-113.833 χ^2/NDF: 24.4/24

asym_sam_15_37_dd_rms vs Slug



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 332.755+/-0.098 χ^2/NDF:725197.0/7

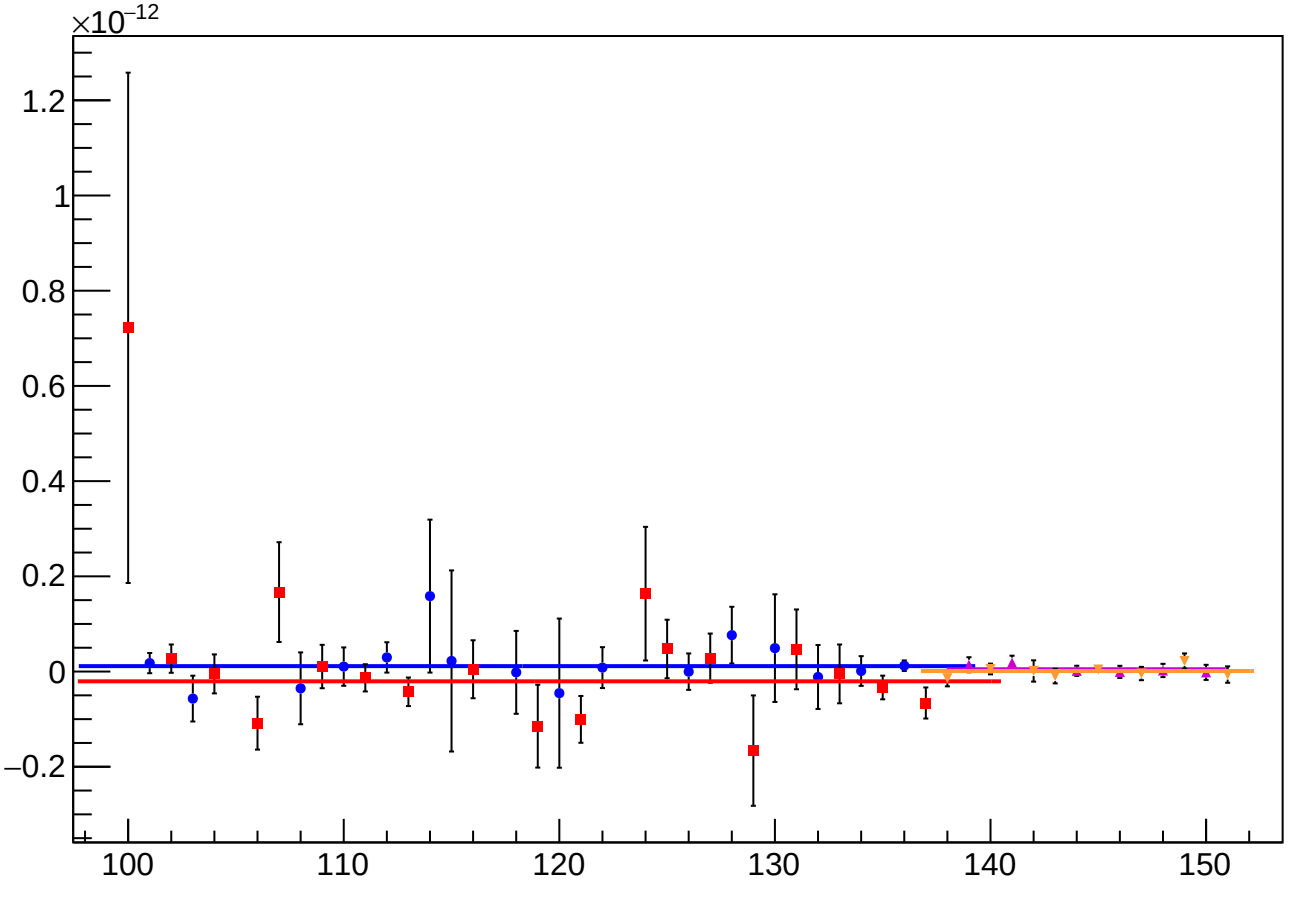
Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 324.499+/-0.103 χ^2/NDF:464831.5/5

+ sign 386.093+/-0.079 χ^2/NDF: 2502343.5/23

All: 385.709+/-0.056 χ^2/NDF: 4854995.3/48

- sign 385.307+/-0.080 χ^2/NDF: 2352603.0/24



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.6/7

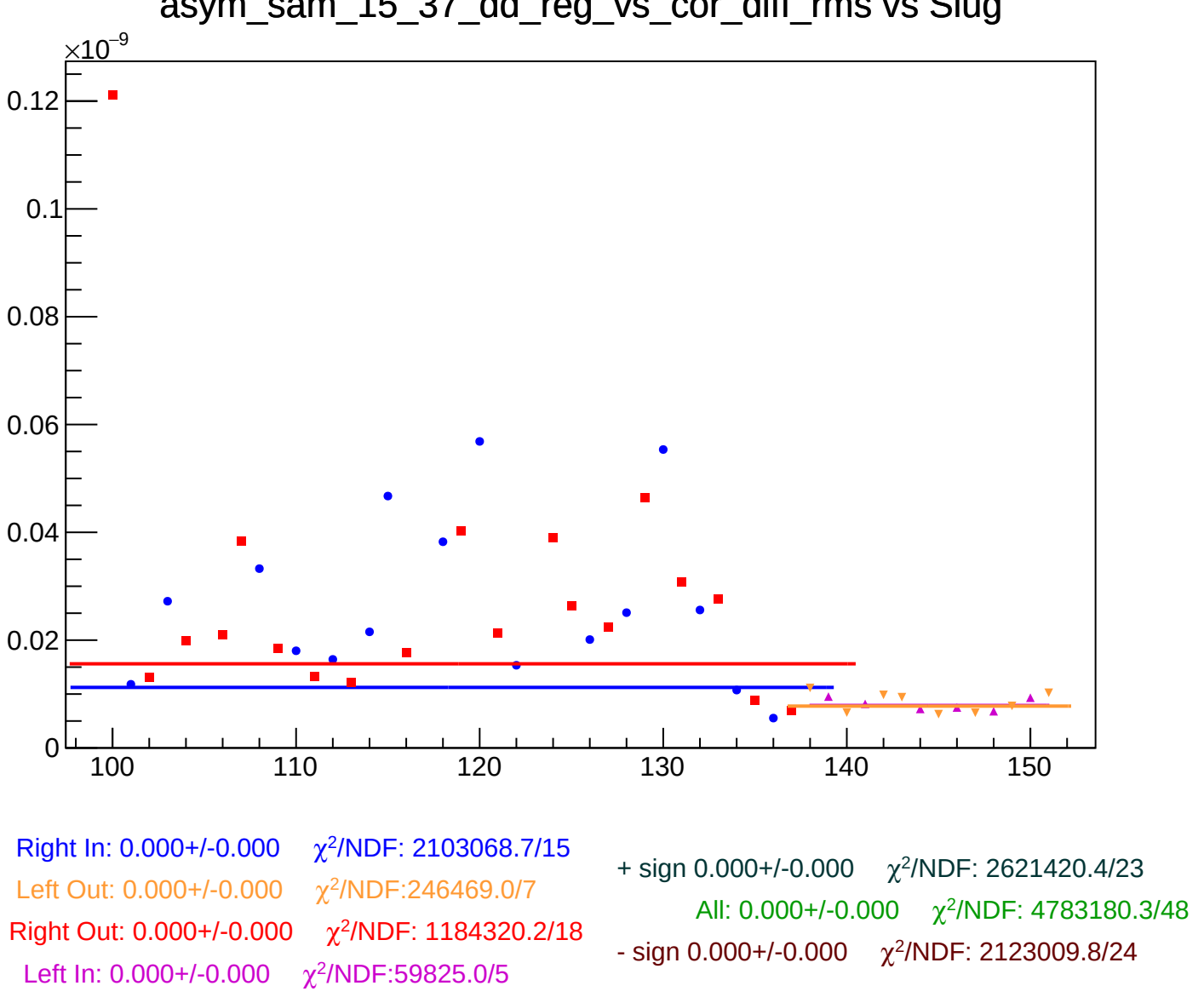
Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1.8/5

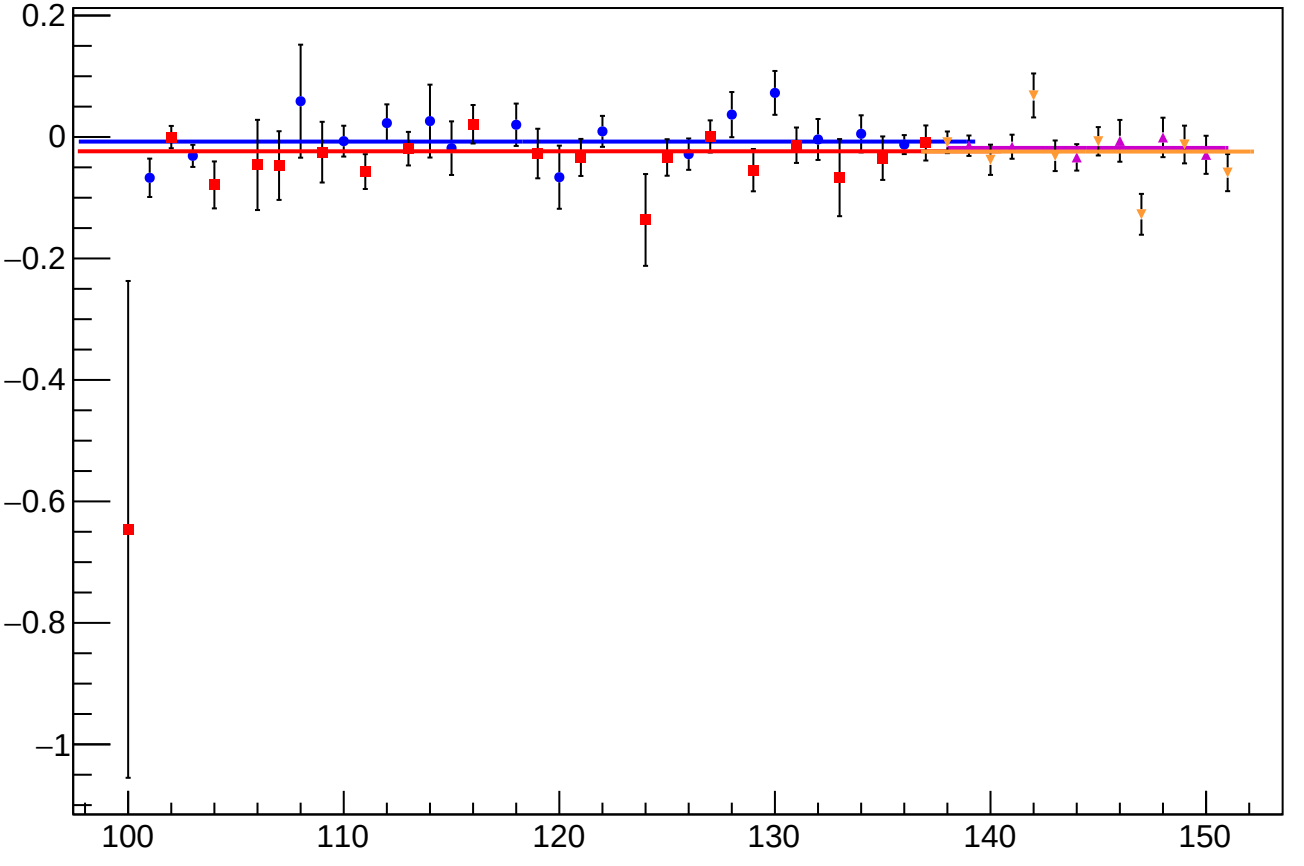
+ sign 0.000+/-0.000 χ^2/NDF: 10.2/23

All: 0.000+/-0.000 χ^2/NDF: 41.0/48

- sign -0.000+/-0.000 χ^2/NDF: 30.2/24


asym_sam_15_37_dd_reg_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
Right In: 0.000+/-0.000 χ²/NDF: 2103068.7/15
Left Out: 0.000+/-0.000 χ²/NDF:246469.0/7
Right Out: 0.000+/-0.000 χ²/NDF: 1184320.2/18
Left In: 0.000+/-0.000 χ²/NDF:59825.0/5
+ sign 0.000+/-0.000 χ²/NDF: 2621420.4/23
All: 0.000+/-0.000 χ²/NDF: 4783180.3/48
- sign 0.000+/-0.000 χ²/NDF: 2123009.8/24

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.024+/-0.009 χ^2/NDF:19.0/7

Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

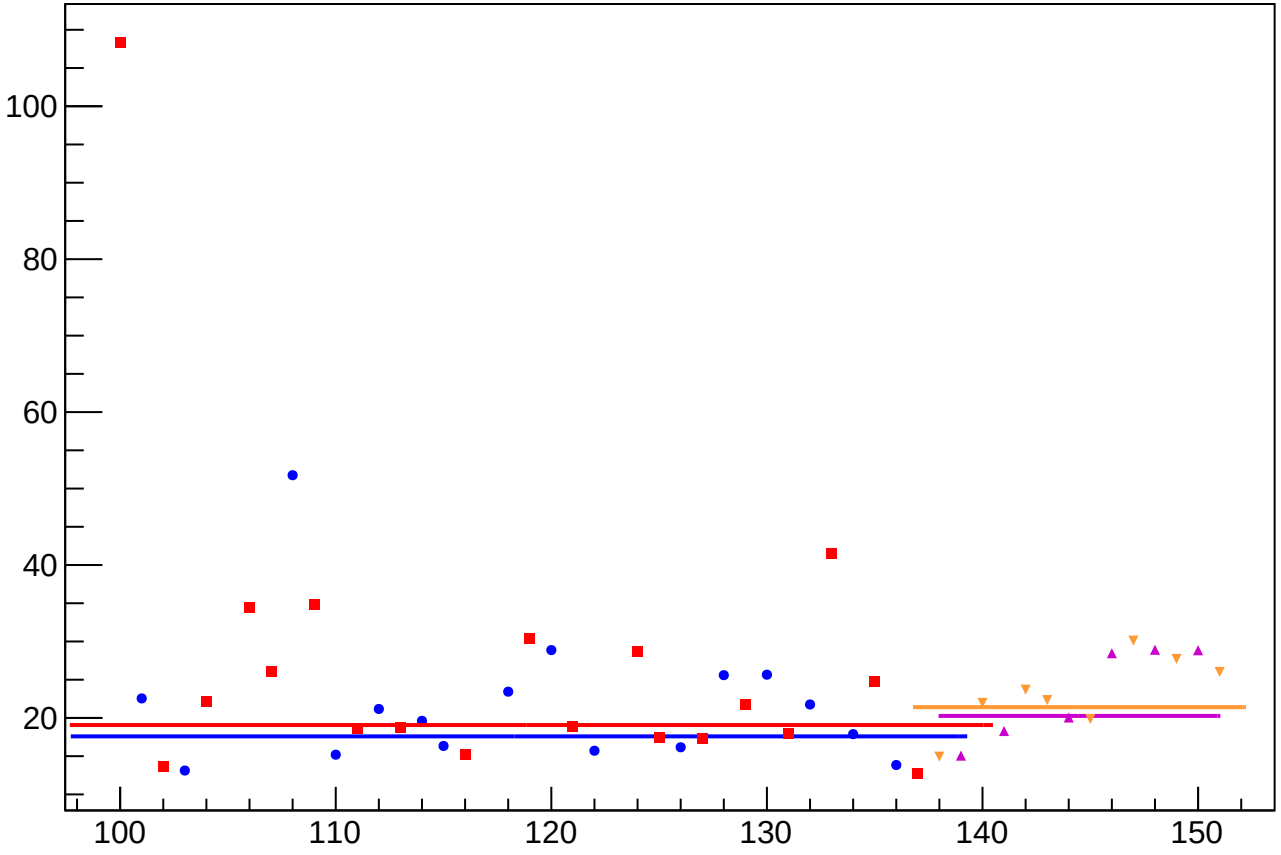
Left In: -0.018+/-0.010 χ^2/NDF:1.1/5

+ sign -0.014+/-0.006 χ^2/NDF: 37.7/23

All: -0.017+/-0.004 χ^2/NDF: 54.5/48

- sign -0.021+/-0.006 χ^2/NDF: 15.9/24

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: 21.411+/-0.006 χ^2/NDF:545791.8/7

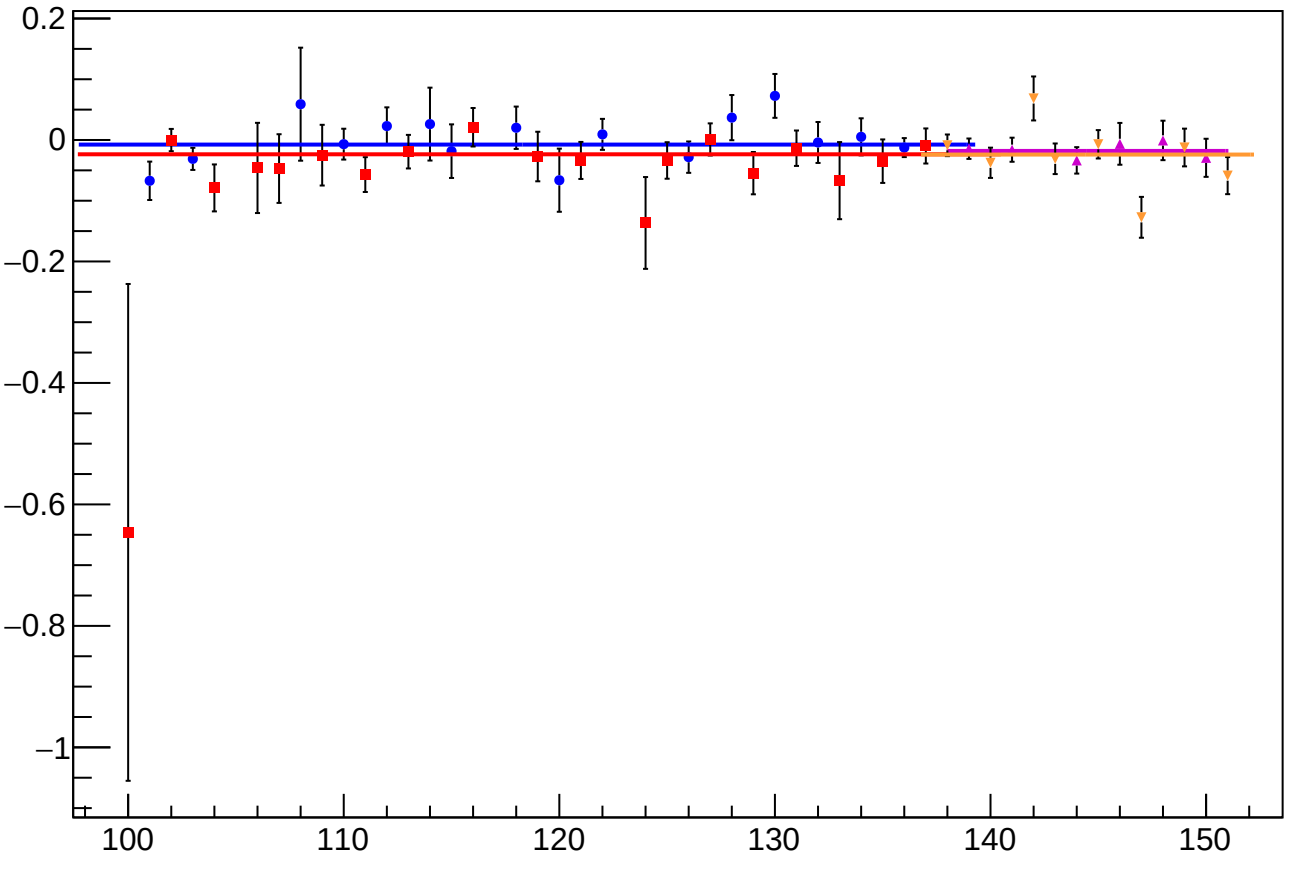
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 20.266+/-0.007 χ^2/NDF:616569.3/5

+ sign 19.051+/-0.004 χ^2/NDF: 1754098.0/23

All: 19.284+/-0.003 χ^2/NDF: 3644773.8/48

- sign 19.547+/-0.004 χ^2/NDF: 1883456.1/24



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.024+/-0.009 χ^2/NDF:19.0/7

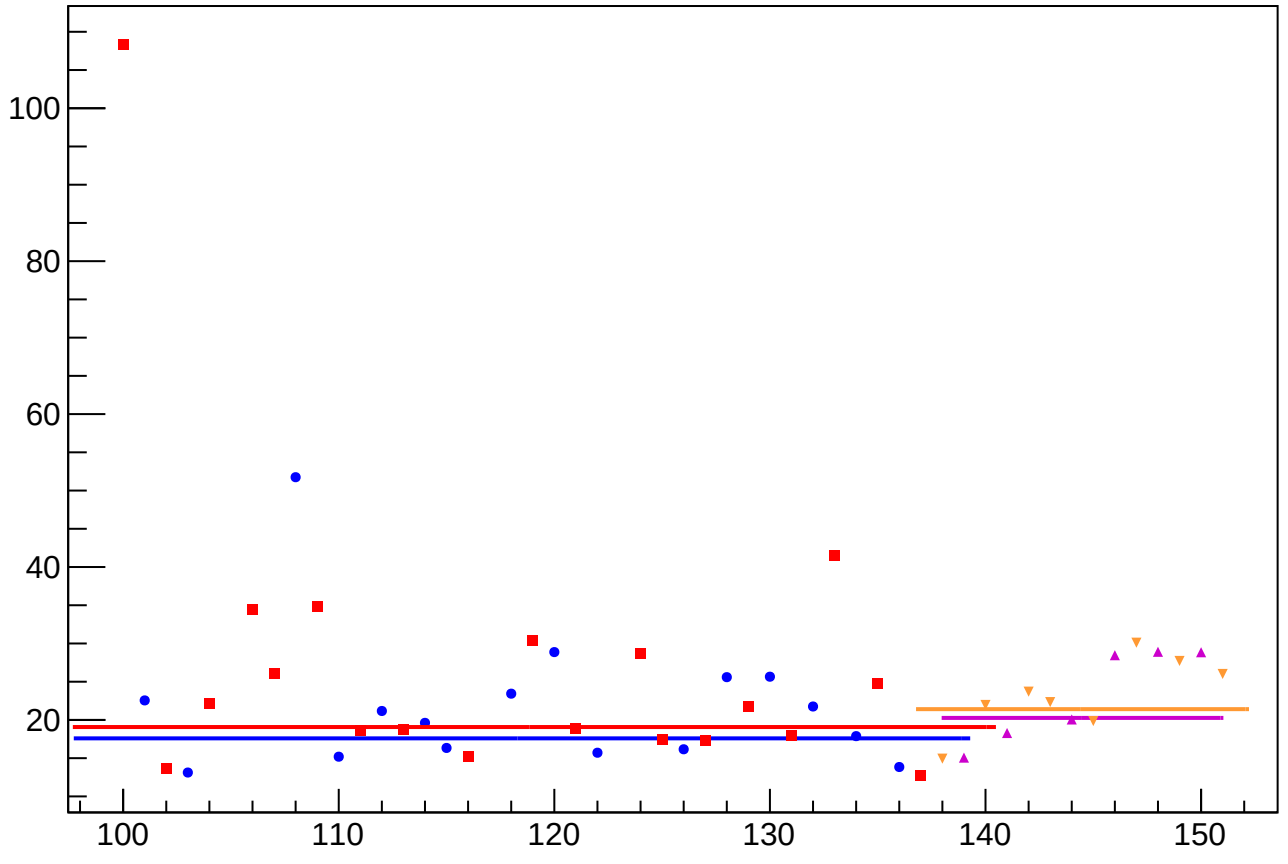
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.018+/-0.010 χ^2/NDF:1.1/5

+ sign -0.014+/-0.006 χ^2/NDF: 37.7/23

All: -0.017+/-0.004 χ^2/NDF: 54.5/48

- sign -0.021+/-0.006 χ^2/NDF: 15.9/24



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 21.411+/-0.006 χ^2/NDF:545791.8/7

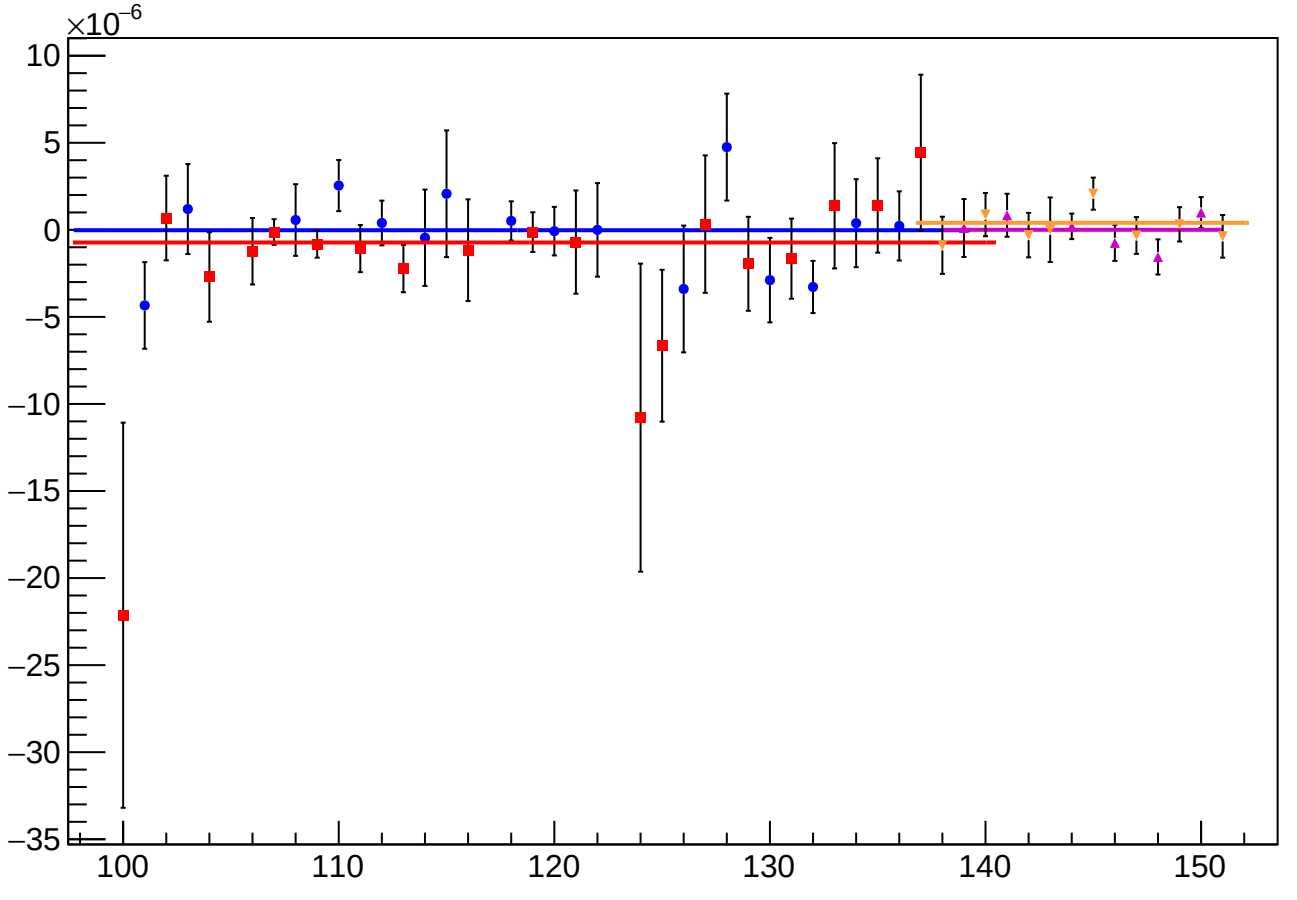
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 20.266+/-0.007 χ^2/NDF:616569.3/5

+ sign 19.051+/-0.004 χ^2/NDF: 1754098.0/23

All: 19.284+/-0.003 χ^2/NDF: 3644773.8/48

- sign 19.547+/-0.004 χ^2/NDF: 1883456.1/24



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.3/7

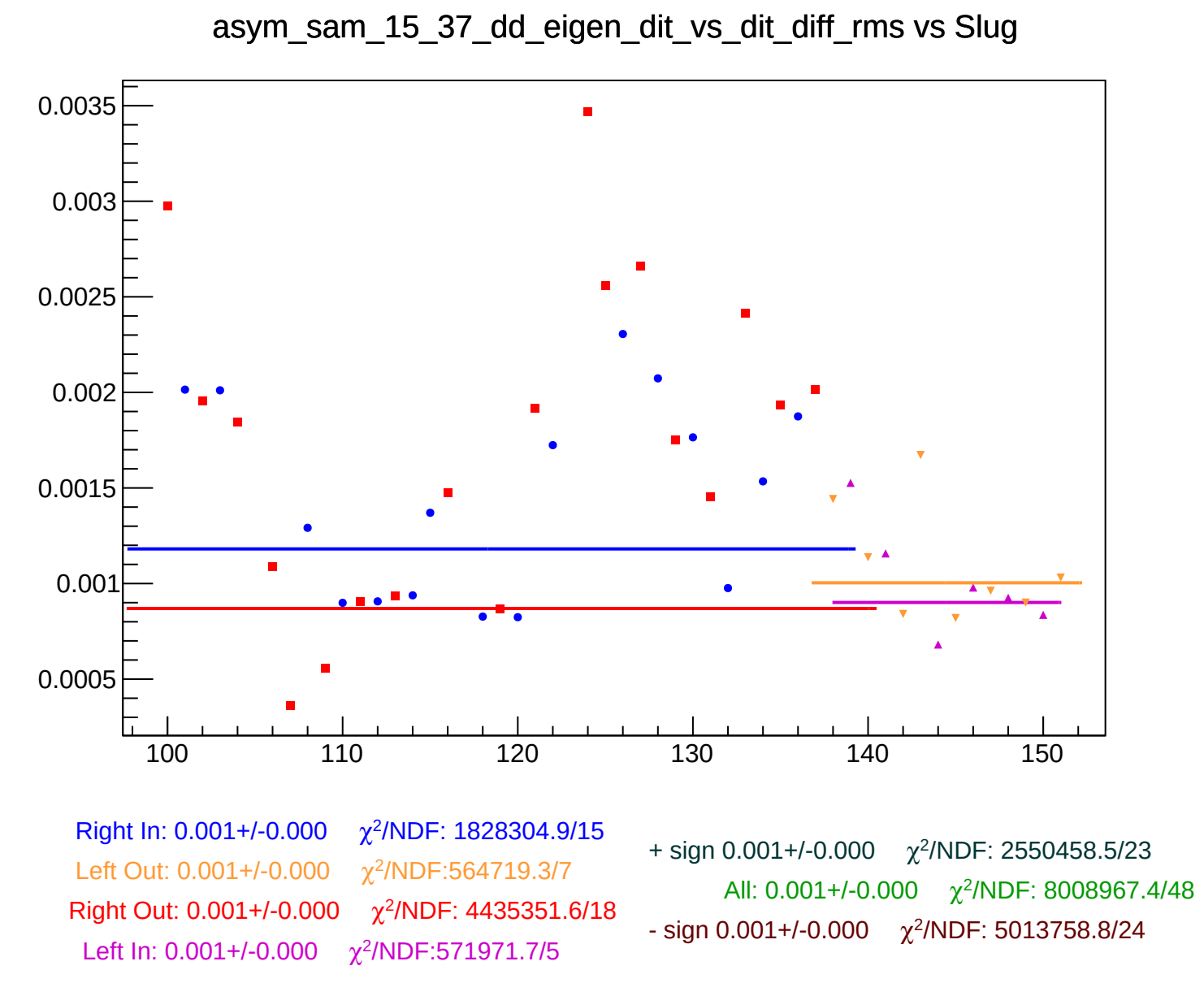
Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

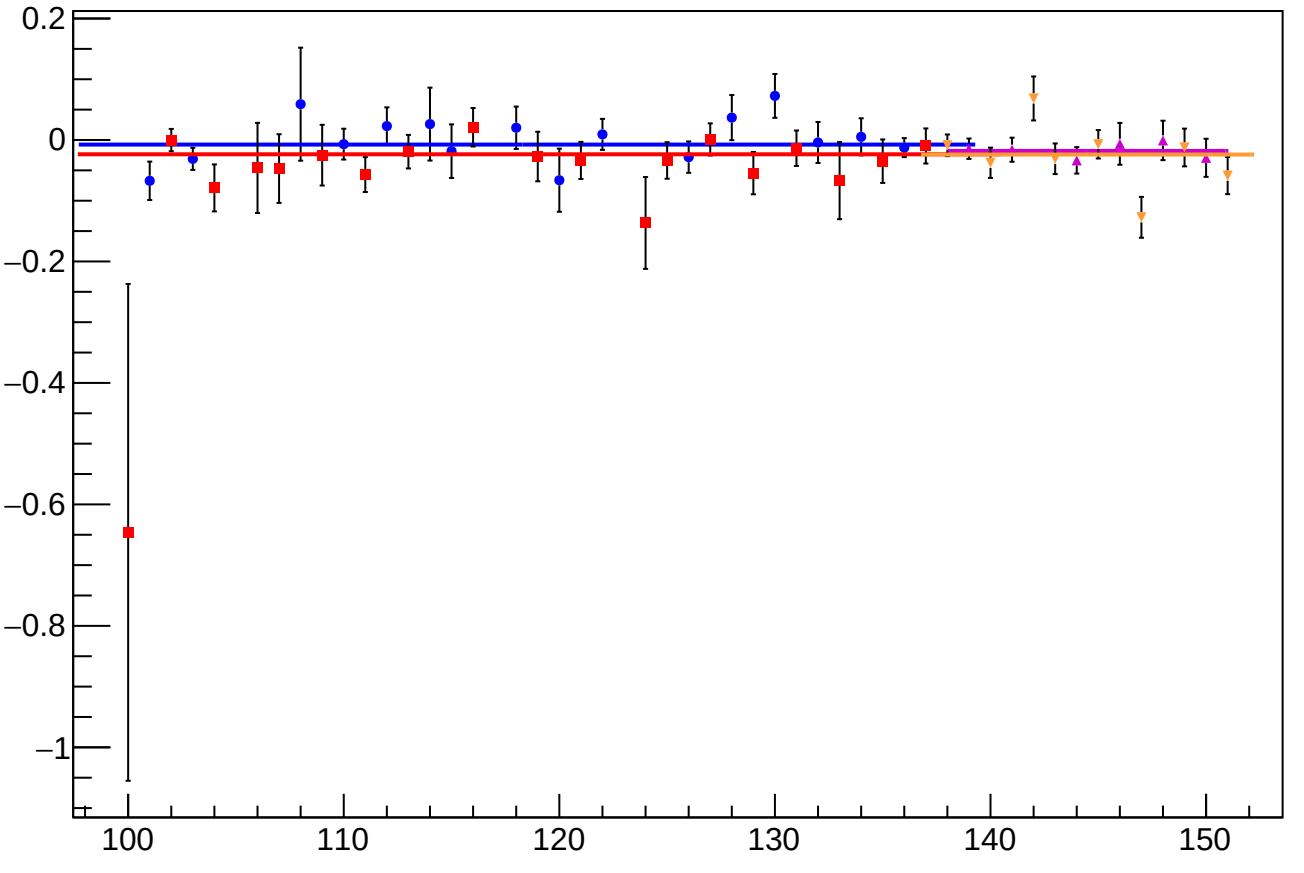
Left In: 0.000+/-0.000 χ^2/NDF:4.7/5

+ sign 0.000+/-0.000 χ^2/NDF: 22.2/23

All: -0.000+/-0.000 χ^2/NDF: 43.6/48

- sign -0.000+/-0.000 χ^2/NDF: 19.3/24


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
Right In: 0.001+/-0.000 χ²/NDF: 1828304.9/15
Left Out: 0.001+/-0.000 χ²/NDF:564719.3/7
Right Out: 0.001+/-0.000 χ²/NDF: 4435351.6/18
Left In: 0.001+/-0.000 χ²/NDF:571971.7/5
+ sign 0.001+/-0.000 χ²/NDF: 2550458.5/23
All: 0.001+/-0.000 χ²/NDF: 8008967.4/48
- sign 0.001+/-0.000 χ²/NDF: 5013758.8/24



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.024+/-0.009 χ^2/NDF:19.0/7

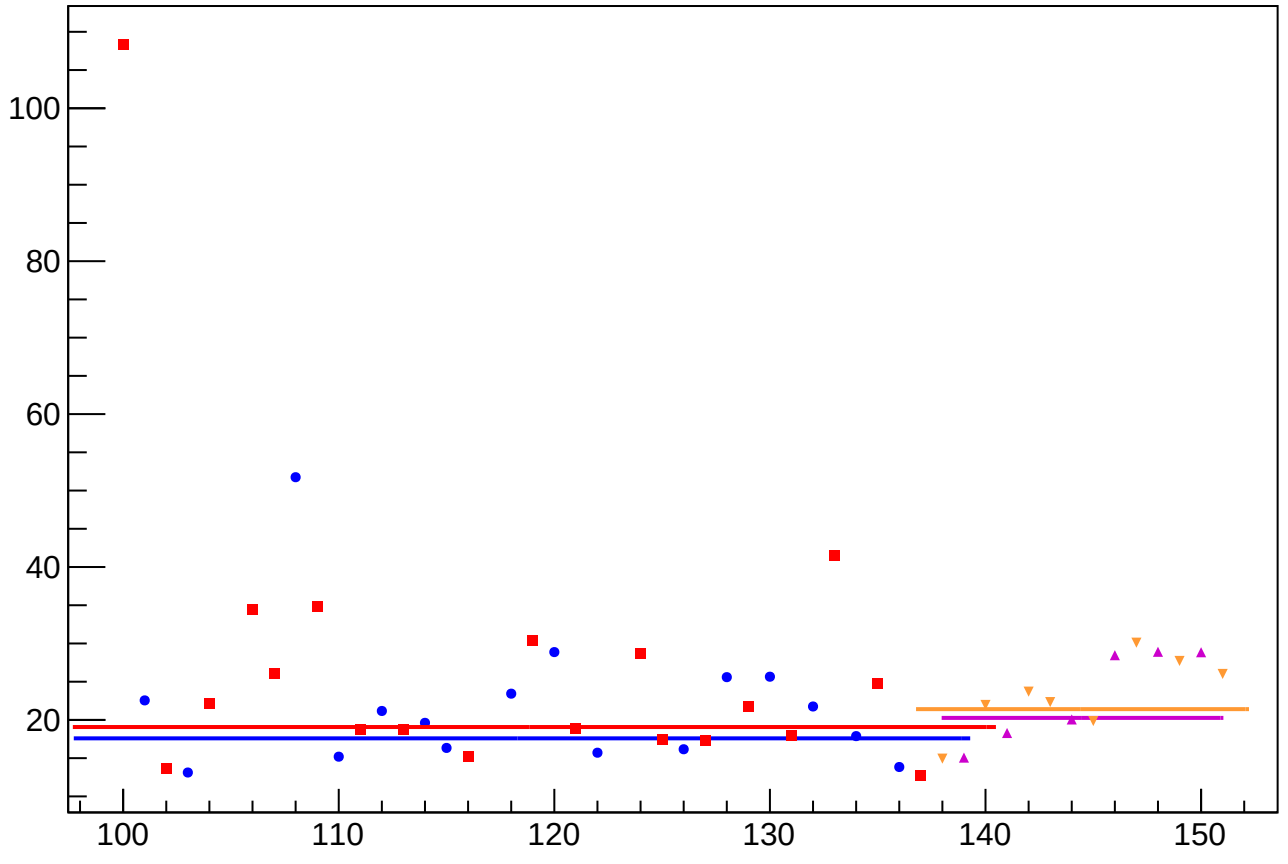
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.018+/-0.010 χ^2/NDF:1.1/5

+ sign -0.014+/-0.006 χ^2/NDF: 37.7/23

All: -0.017+/-0.004 χ^2/NDF: 54.5/48

- sign -0.021+/-0.006 χ^2/NDF: 15.9/24



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 21.412+/-0.006 χ^2/NDF:545780.1/7

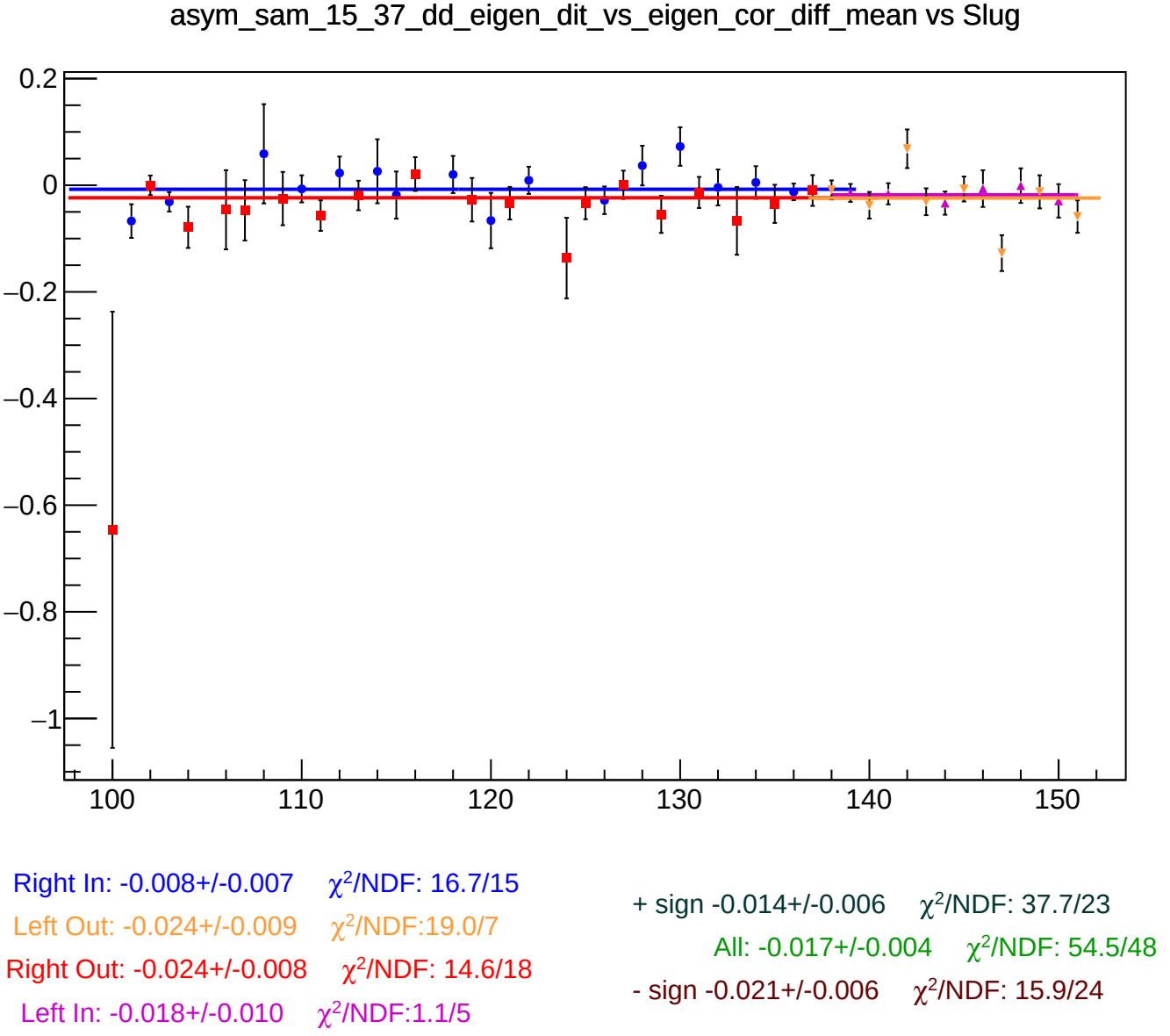
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

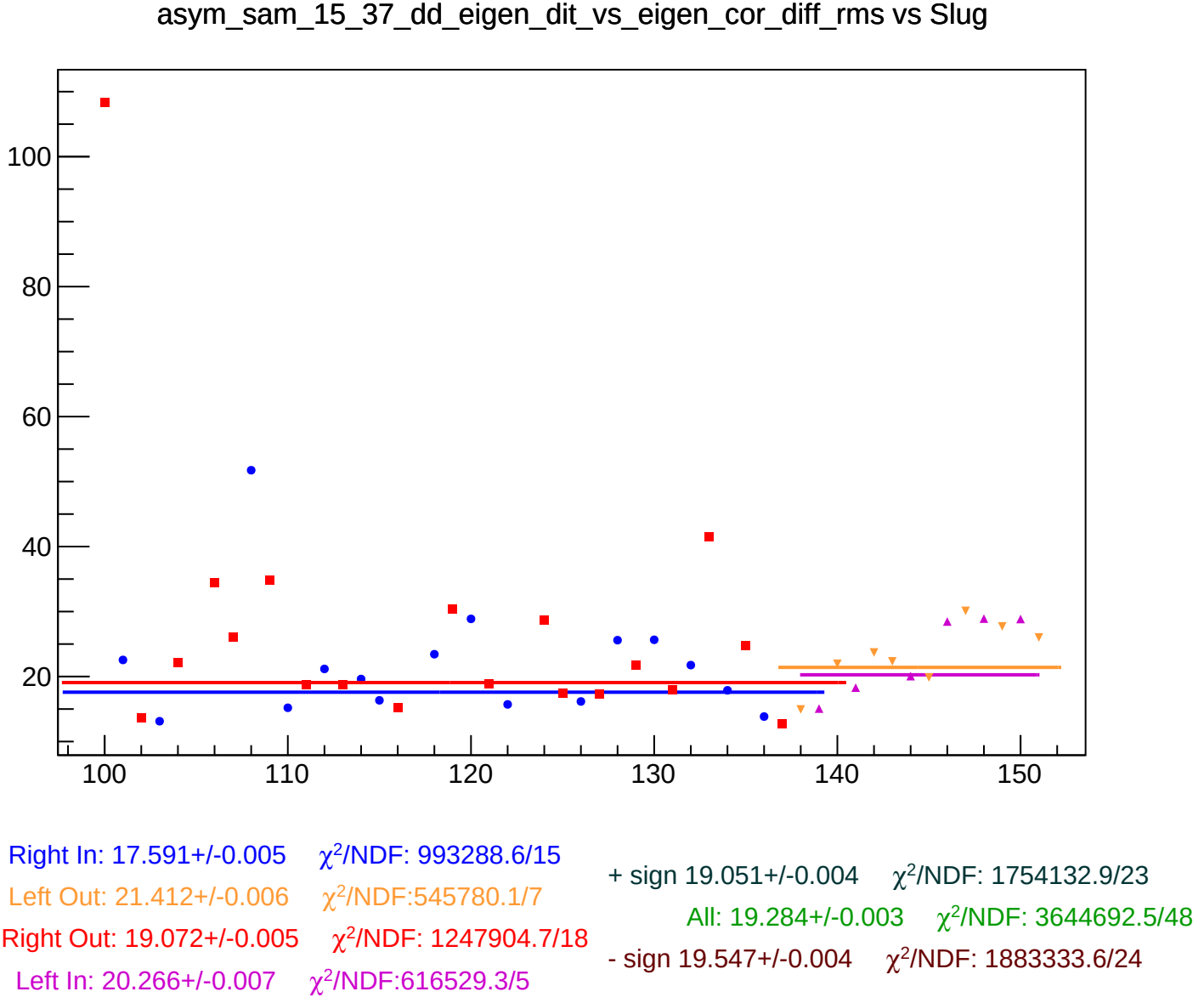
Left In: 20.266+/-0.007 χ^2/NDF:616529.3/5

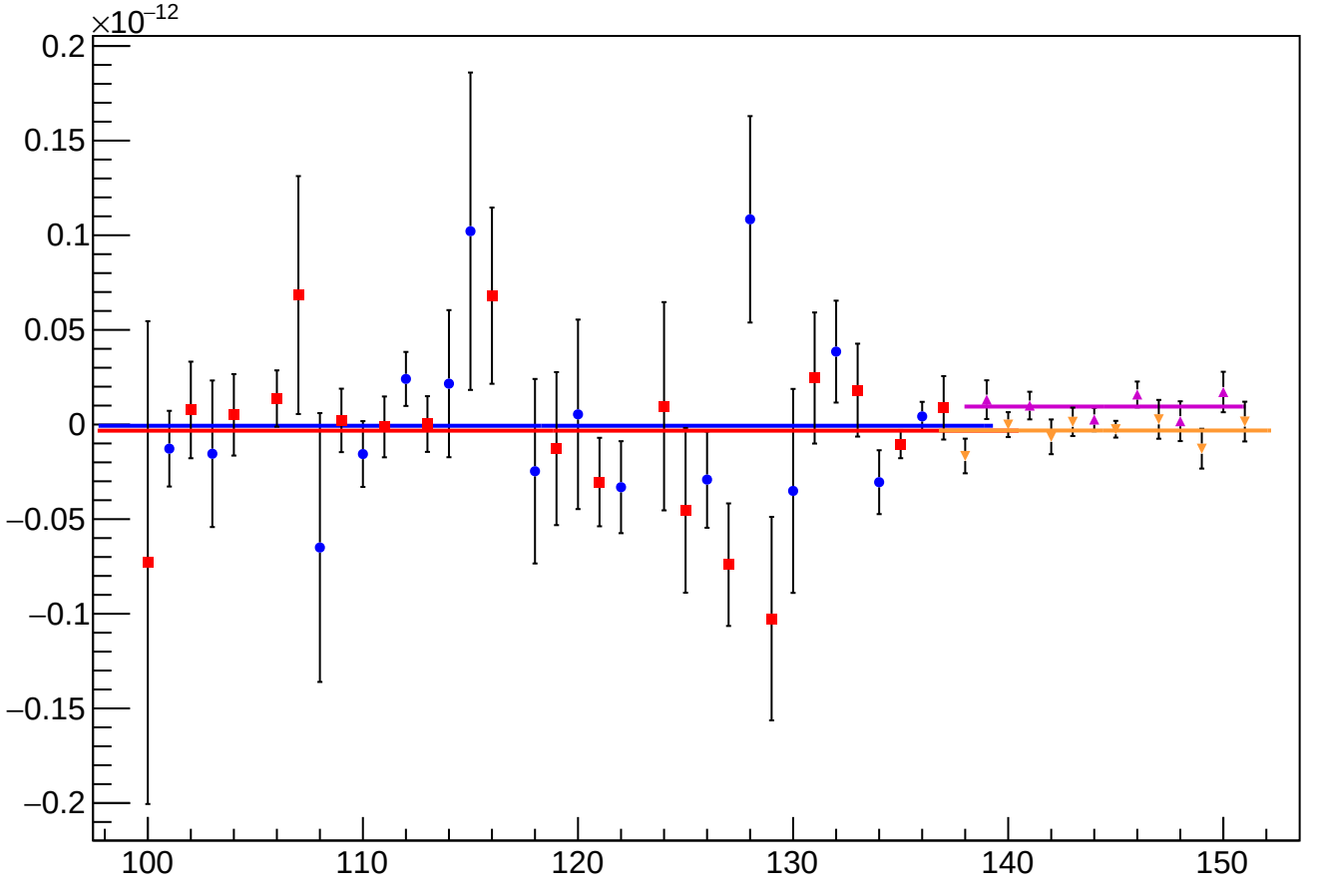
+ sign 19.051+/-0.004 χ^2/NDF: 1754132.9/23

All: 19.284+/-0.003 χ^2/NDF: 3644692.5/48

- sign 19.547+/-0.004 χ^2/NDF: 1883333.6/24


asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
110
120
130
140
150
Right In: -0.008+/-0.007 χ²/NDF: 16.7/15
Left Out: -0.024+/-0.009 χ²/NDF:19.0/7
Right Out: -0.024+/-0.008 χ²/NDF: 14.6/18
Left In: -0.018+/-0.010 χ²/NDF:1.1/5
+ sign -0.014+/-0.006 χ²/NDF: 37.7/23
All: -0.017+/-0.004 χ²/NDF: 54.5/48
- sign -0.021+/-0.006 χ²/NDF: 15.9/24


asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
100
80
60
40
20
100
110
120
130
140
150
Right In: 17.591+/-0.005 χ²/NDF: 993288.6/15
Left Out: 21.412+/-0.006 χ²/NDF:545780.1/7
Right Out: 19.072+/-0.005 χ²/NDF: 1247904.7/18
Left In: 20.266+/-0.007 χ²/NDF:616529.3/5
+ sign 19.051+/-0.004 χ²/NDF: 1754132.9/23
All: 19.284+/-0.003 χ²/NDF: 3644692.5/48
- sign 19.547+/-0.004 χ²/NDF: 1883333.6/24



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.3/7

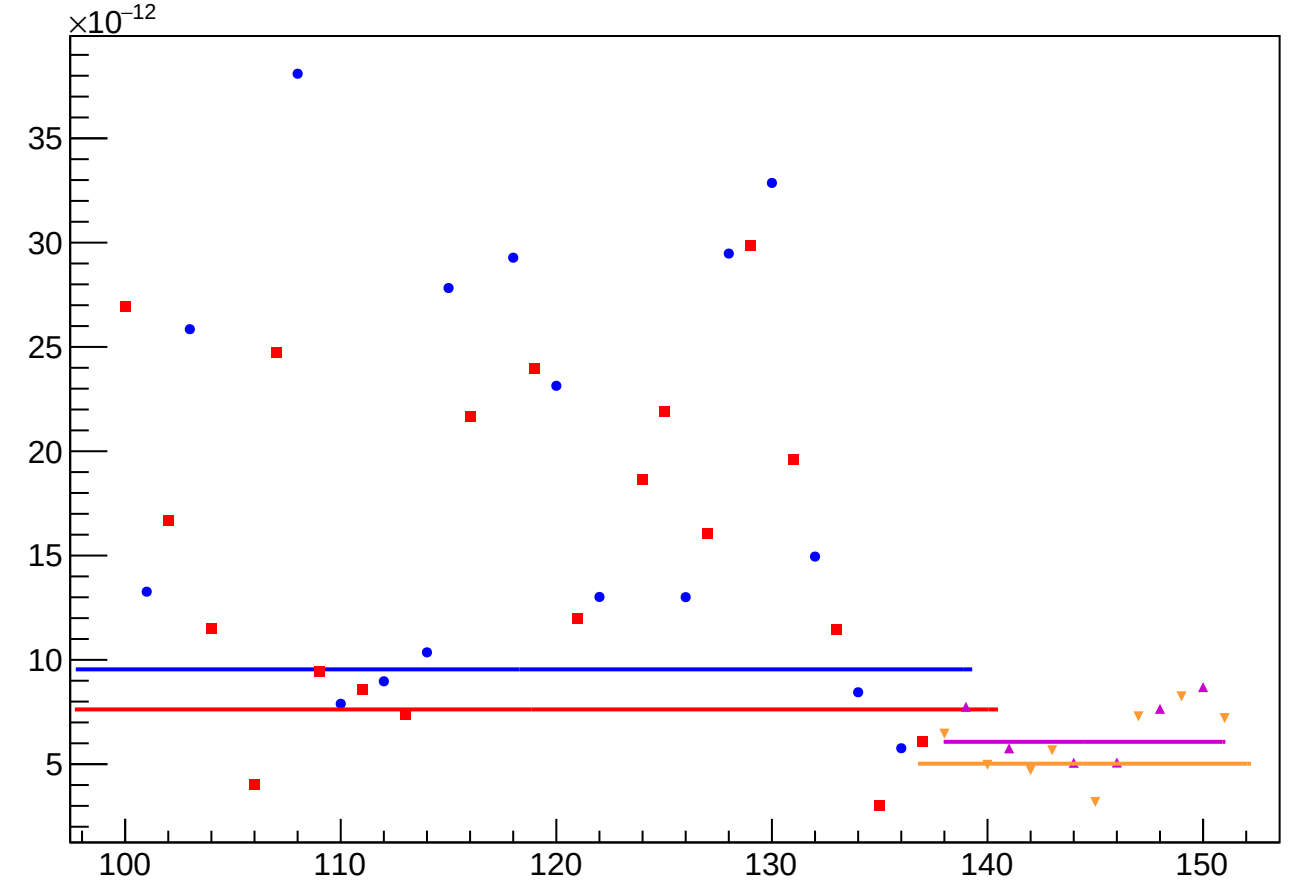
Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3.3/5

+ sign -0.000+/-0.000 χ^2/NDF: 24.7/23

All: 0.000+/-0.000 χ^2/NDF: 57.2/48

- sign 0.000+/-0.000 χ^2/NDF: 27.7/24



Right In: 0.000+/-0.000 χ^2/NDF: 2632531.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:783965.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 3086000.4/18

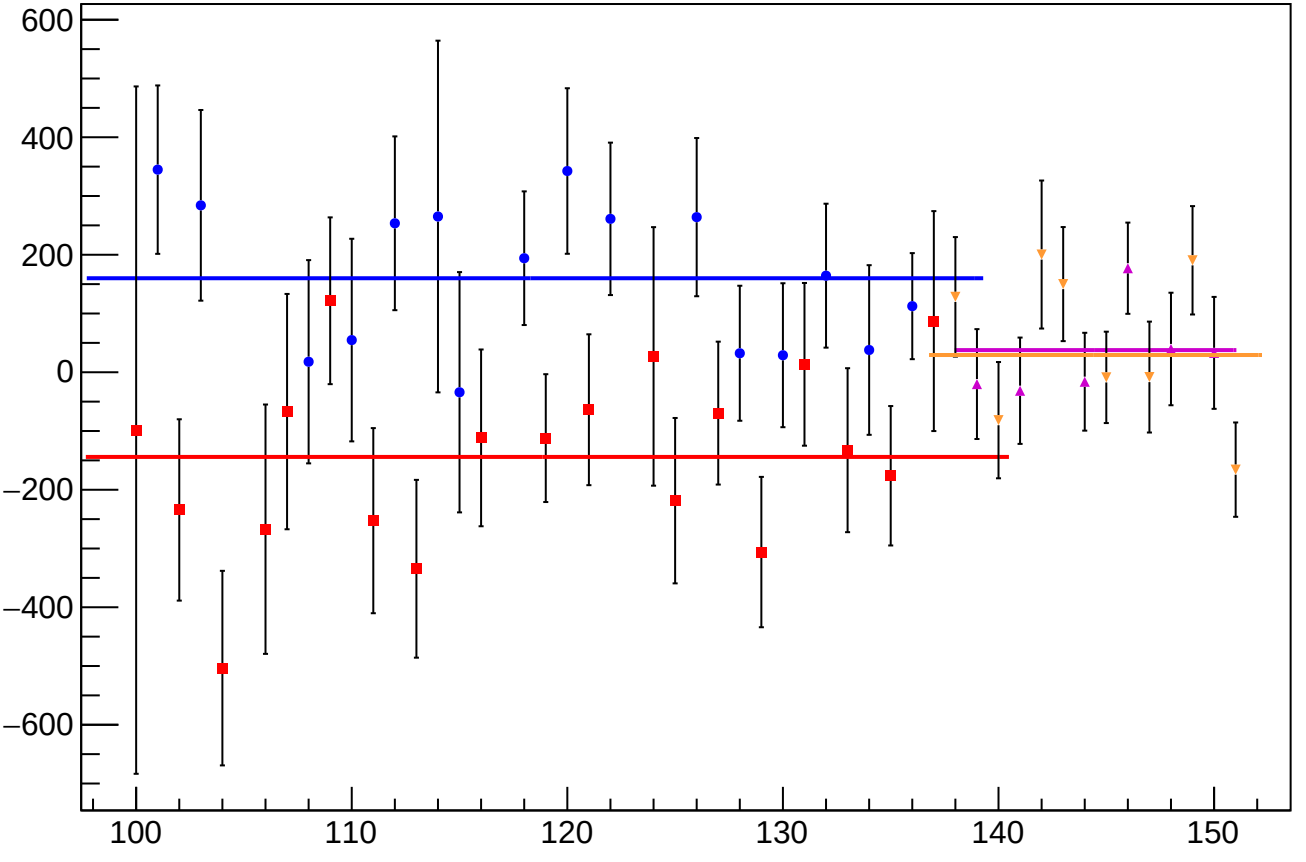
Left In: 0.000+/-0.000 χ^2/NDF:318096.8/5

+ sign 0.000+/-0.000 χ^2/NDF: 4668542.9/23

All: 0.000+/-0.000 χ^2/NDF: 8291039.4/48

- sign 0.000+/-0.000 χ^2/NDF: 3560627.9/24

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: 29.356+/-33.002 χ^2/NDF:14.9/7

Right Out: -144.117+/-34.213 χ^2/NDF: 17.4/18

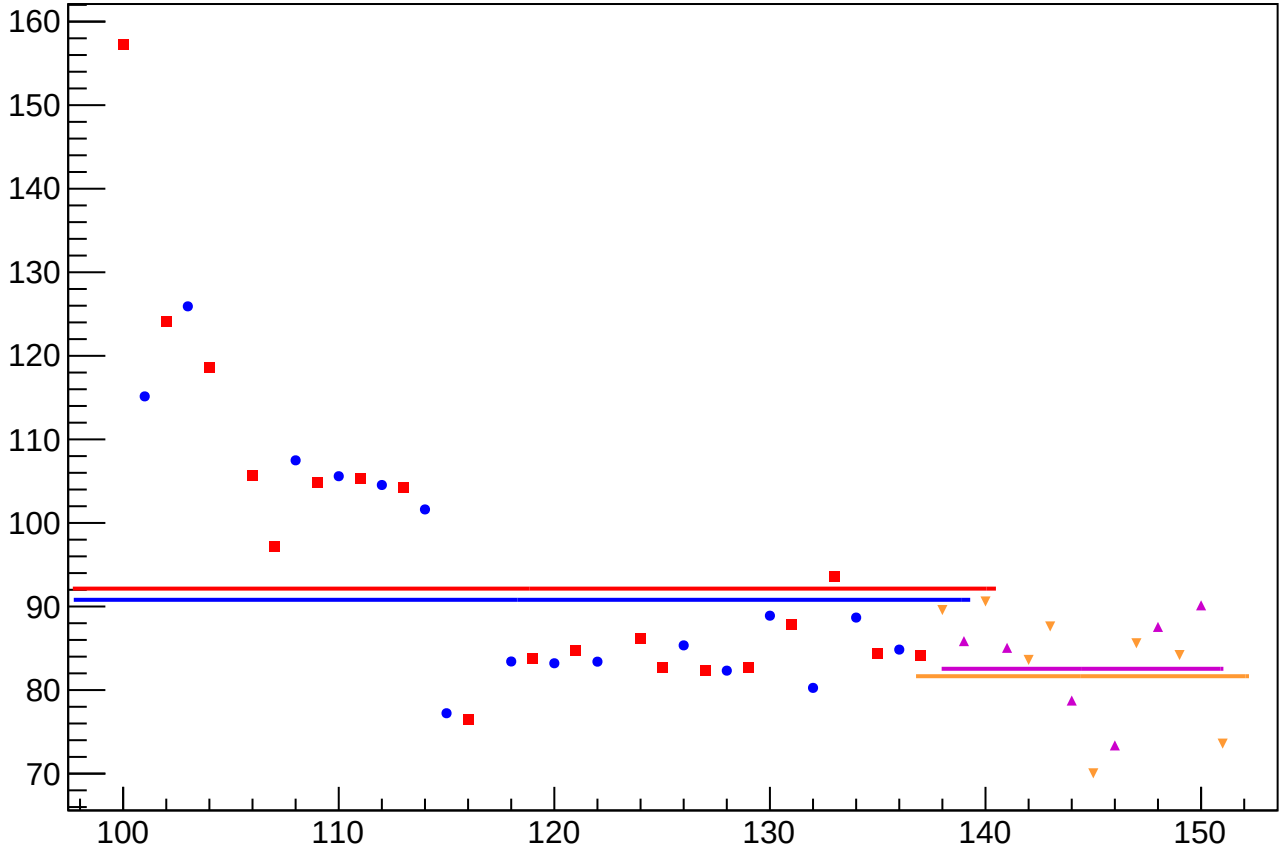
Left In: 37.705+/-36.134 χ^2/NDF:4.6/5

+ sign 92.420+/-23.738 χ^2/NDF: 33.6/23

All: 20.552+/-17.163 χ^2/NDF: 88.1/48

- sign -58.166+/-24.844 χ^2/NDF: 35.4/24

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272755.2/15

Left Out: 81.658+/-0.023 χ^2/NDF:106324.3/7

Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

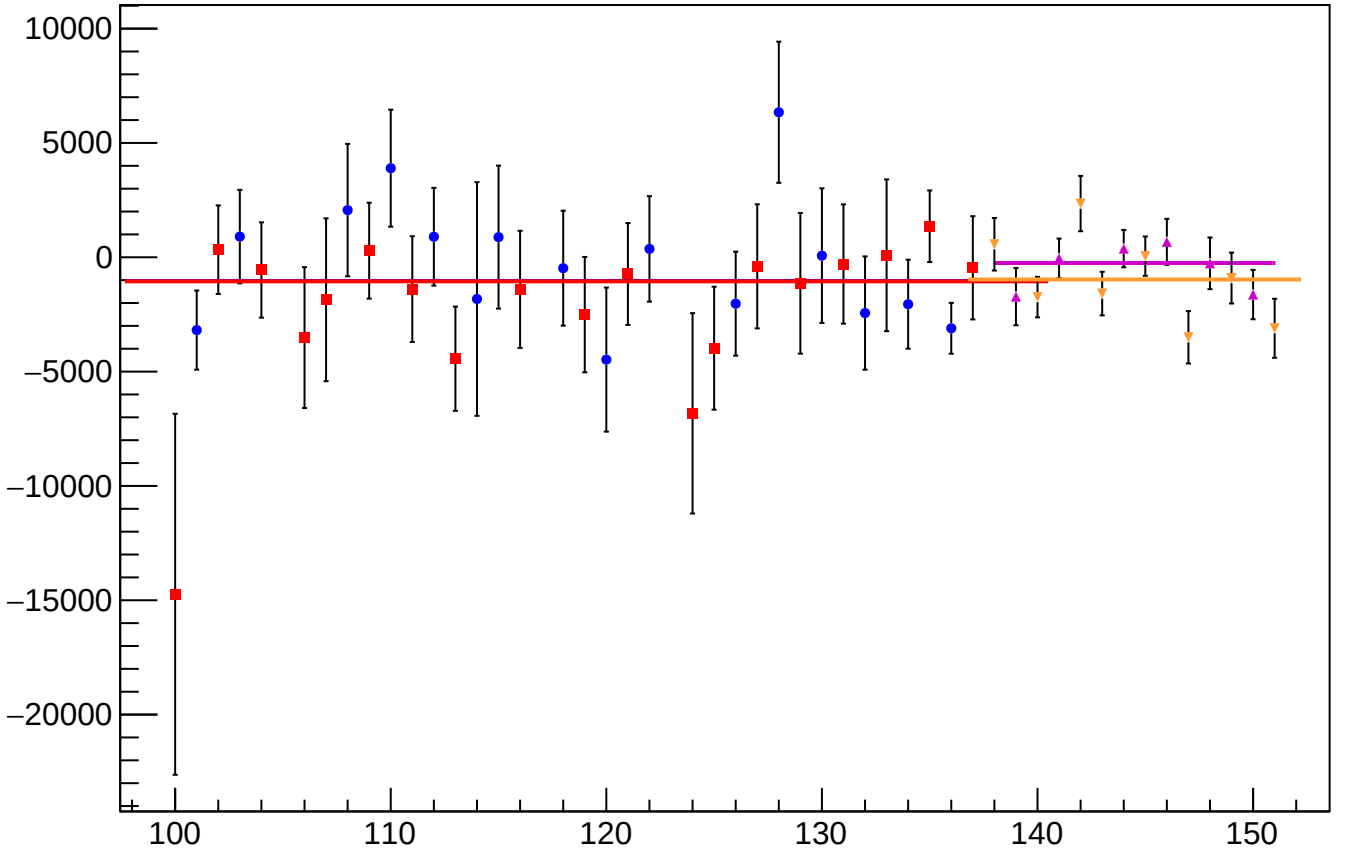
Left In: 82.546+/-0.026 χ^2/NDF:54309.9/5

+ sign 86.071+/-0.017 χ^2/NDF: 453182.4/23

All: 86.803+/-0.012 χ^2/NDF: 887871.8/48

- sign 87.605+/-0.018 χ^2/NDF: 430700.4/24

asym_sam_24_68_dd_reg_correction_mean vs Slug



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -970.664+/-369.101 χ^2/NDF:19.5/7

Right Out: -1051.517+/-568.935 χ^2/NDF: 12.9/18

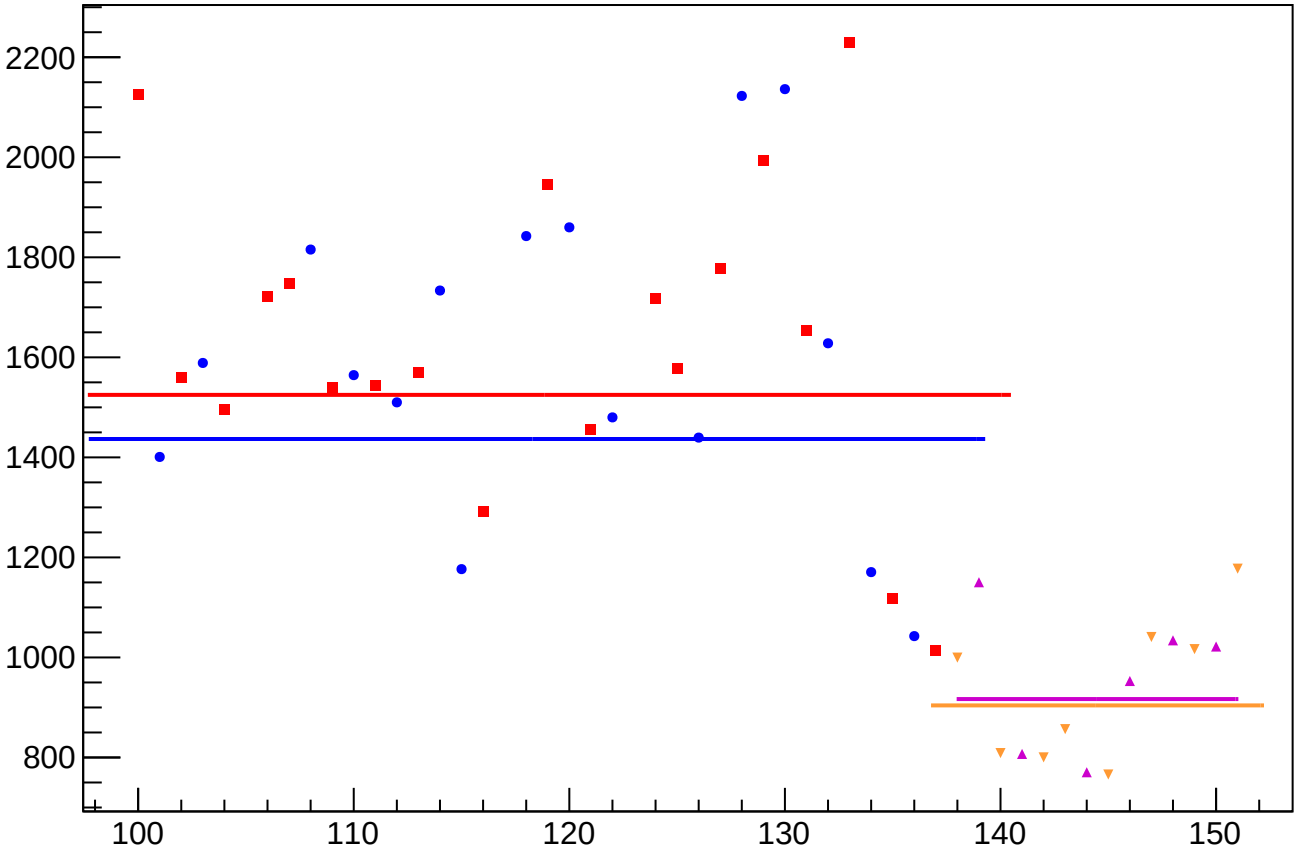
Left In: -249.905+/-404.505 χ^2/NDF:4.5/5

\+ sign -990.641+/-306.519 χ^2/NDF: 39.8/23

All: -771.992+/-224.481 χ^2/NDF: 59.6/48

\- sign -519.062+/-329.673 χ^2/NDF: 18.7/24

asym_sam_24_68_dd_reg_correction_rms vs Slug



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 904.116+/-0.261 χ^2/NDF:247046.7/7

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

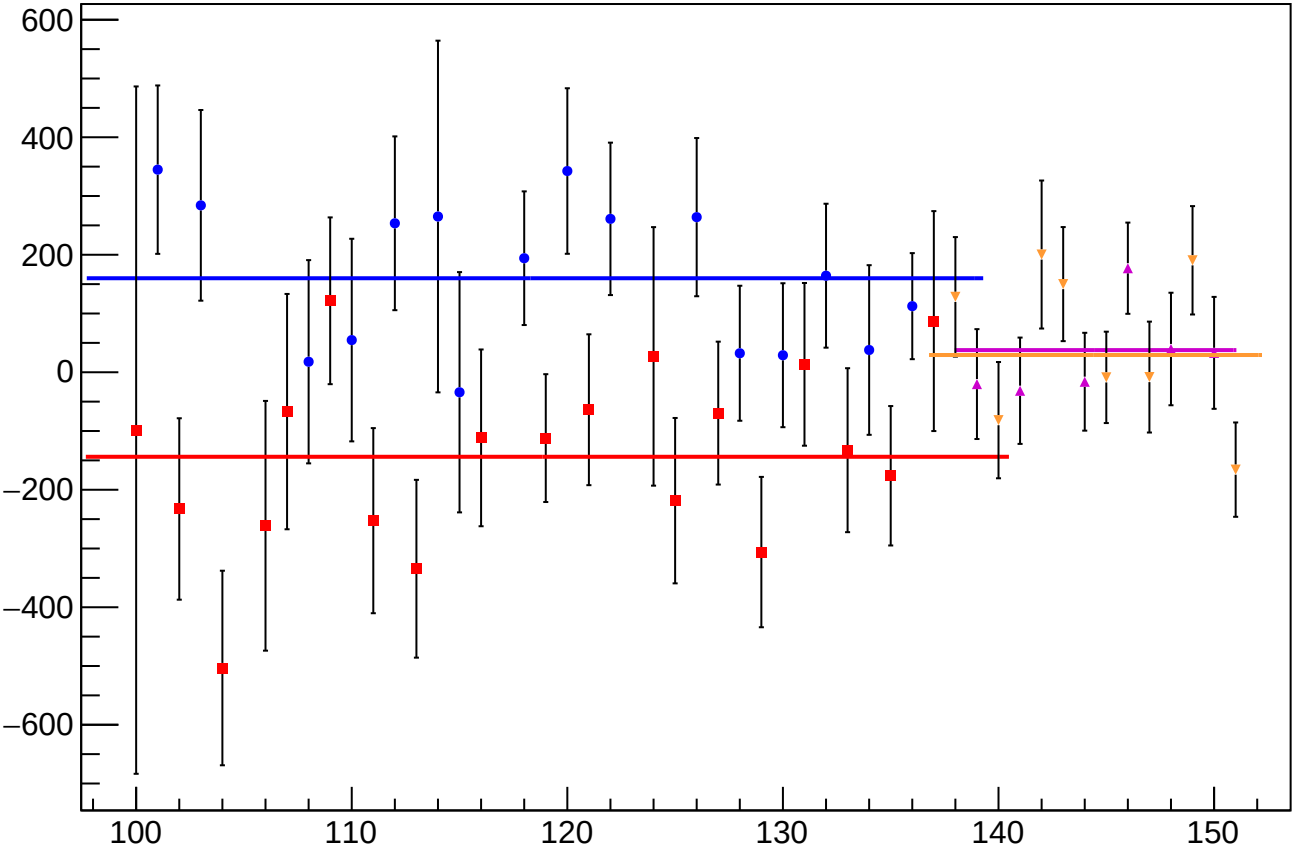
Left In: 916.822+/-0.286 χ^2/NDF:209344.7/5

+ sign 1069.418+/-0.217 χ^2/NDF: 2215230.8/23

All: 1093.341+/-0.159 χ^2/NDF: 4473239.6/48

- sign 1121.015+/-0.233 χ^2/NDF: 2231732.8/24

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: 29.358+/-33.002 χ^2/NDF:14.9/7

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

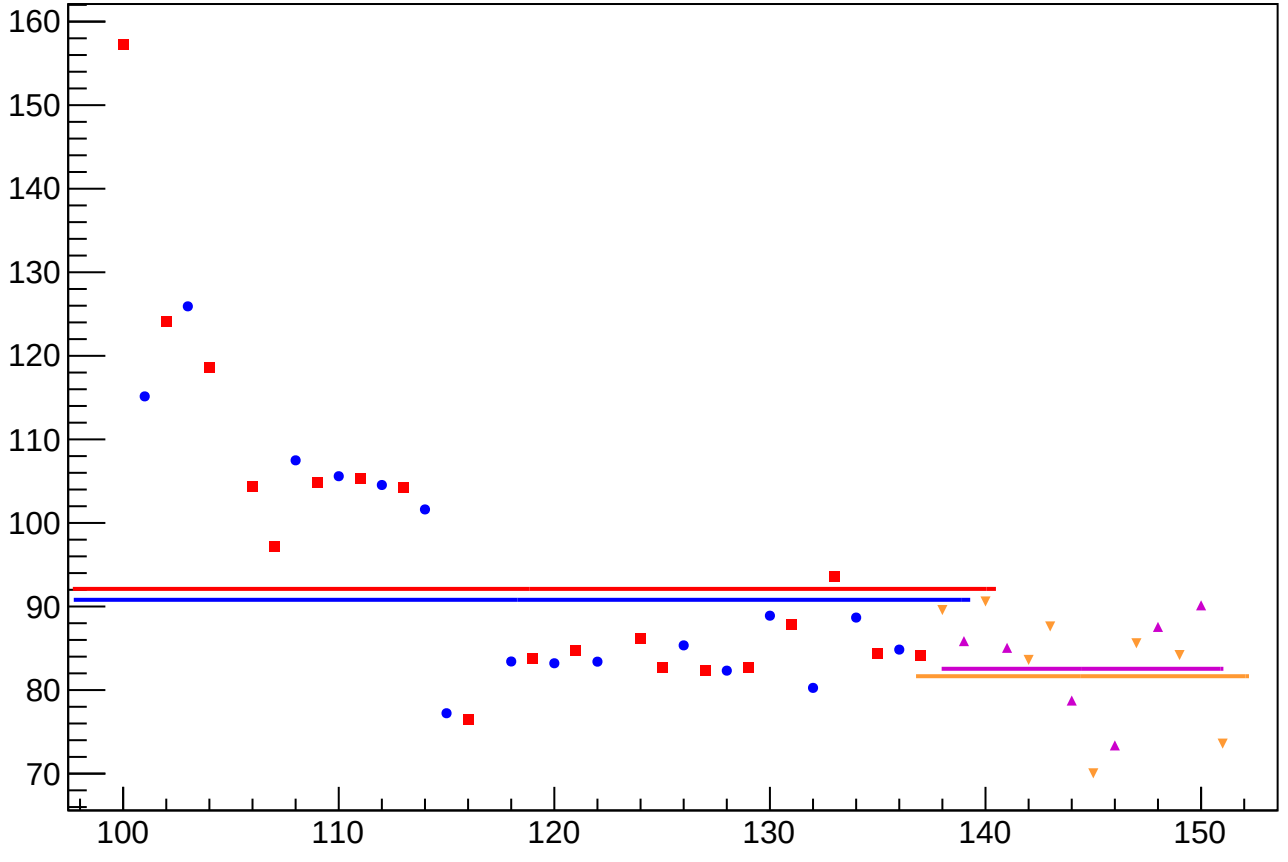
Left In: 37.703+/-36.134 χ^2/NDF:4.6/5

+ sign 92.419+/-23.738 χ^2/NDF: 33.6/23

All: 20.620+/-17.163 χ^2/NDF: 88.0/48

- sign -58.027+/-24.845 χ^2/NDF: 35.3/24

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 81.658+/-0.023 χ^2/NDF:106324.3/7

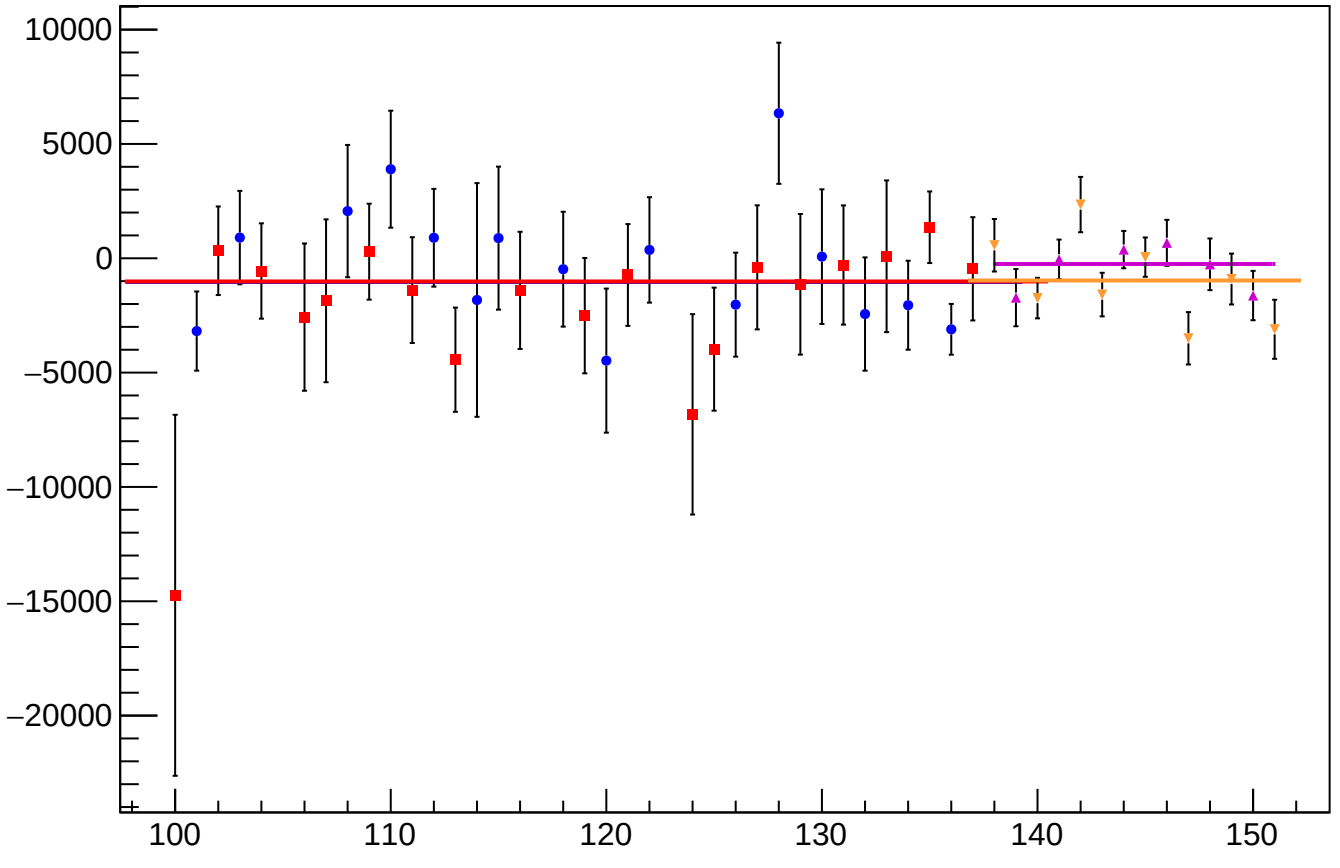
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 82.546+/-0.026 χ^2/NDF:54309.9/5

\+ sign 86.071+/-0.017 χ^2/NDF: 453184.3/23

All: 86.795+/-0.012 χ^2/NDF: 886001.3/48

\- sign 87.588+/-0.018 χ^2/NDF: 428919.9/24



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -970.657+/-369.101 χ^2/NDF:19.5/7

Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

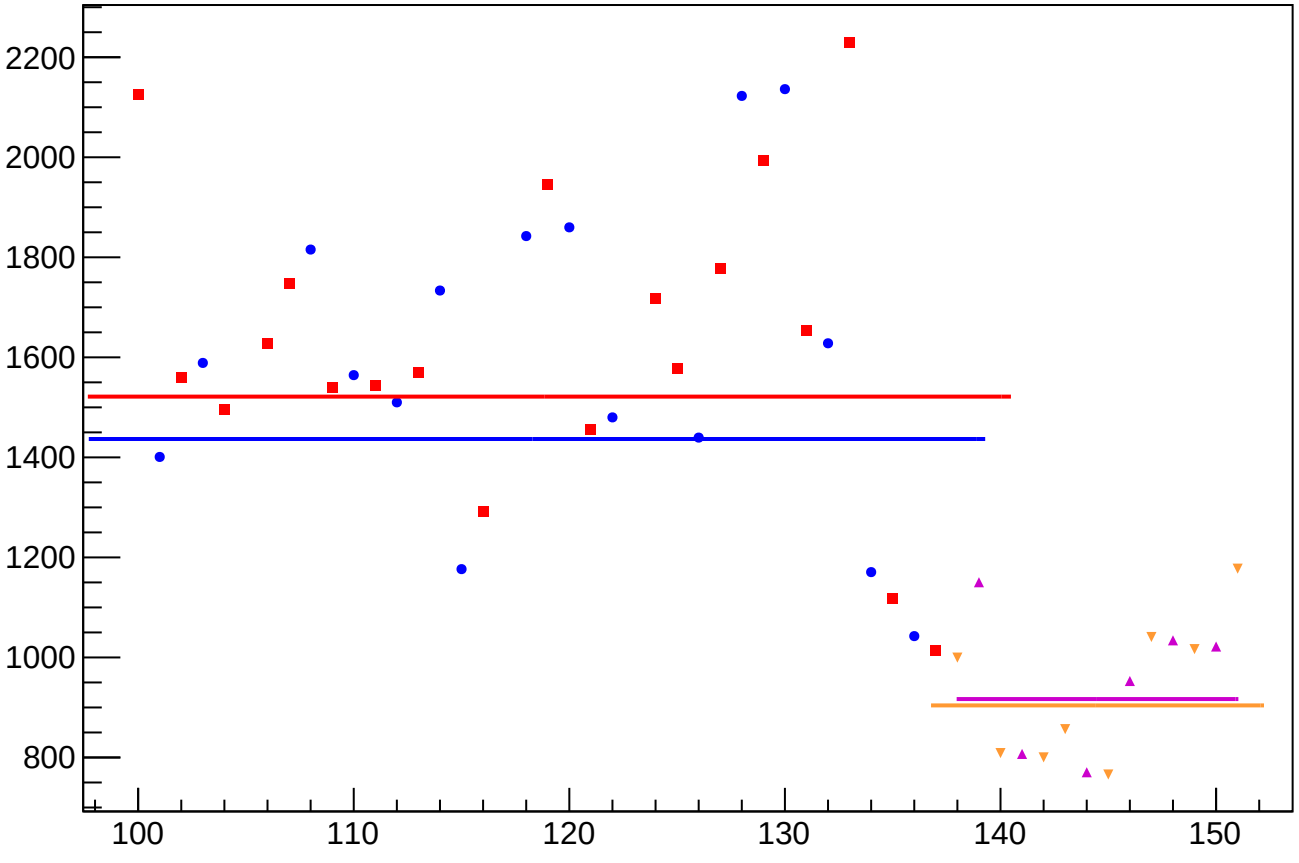
Left In: -249.913+/-404.505 χ^2/NDF:4.5/5

+ sign -990.629+/-306.519 χ^2/NDF: 39.8/23

All: -766.249+/-224.533 χ^2/NDF: 59.1/48

- sign -506.434+/-329.836 χ^2/NDF: 18.2/24

asym_sam_24_68_dd_cor_correction_rms vs Slug



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 904.115+/-0.261 χ^2/NDF:247047.2/7

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

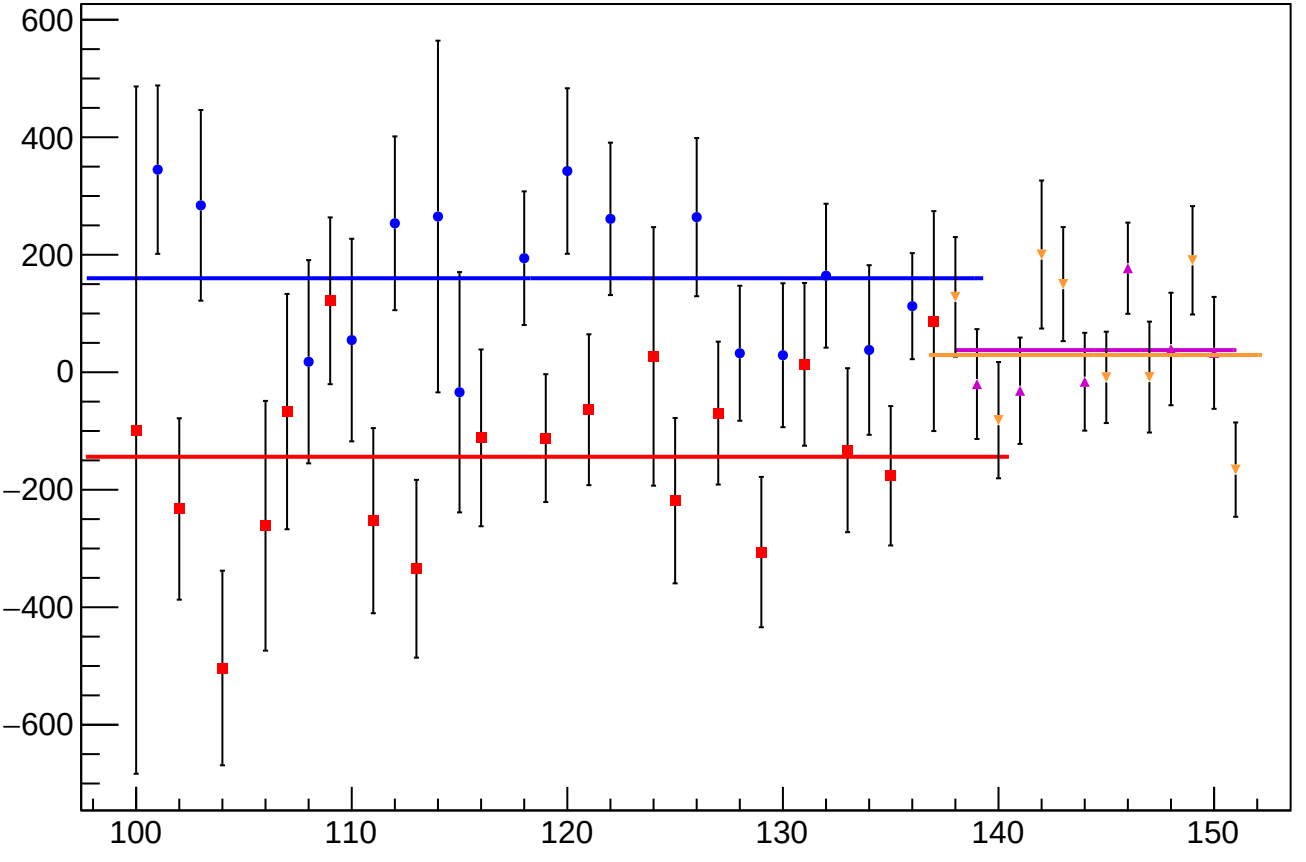
Left In: 916.822+/-0.286 χ^2/NDF:209345.2/5

+ sign 1069.418+/-0.217 χ^2/NDF: 2215254.2/23

All: 1092.606+/-0.159 χ^2/NDF: 4445335.2/48

- sign 1119.457+/-0.233 χ^2/NDF: 2205381.1/24

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: 29.358+/-33.002 χ^2/NDF:14.9/7

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

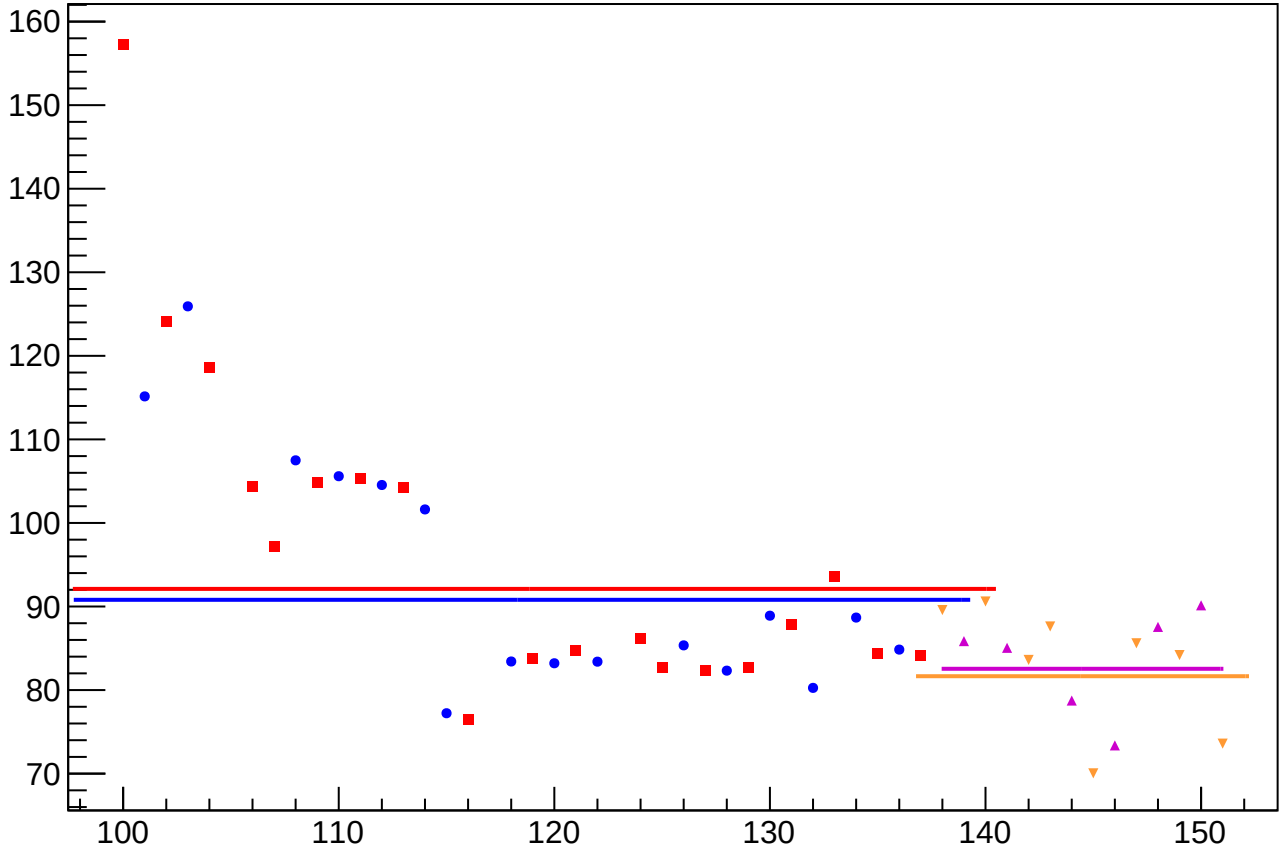
Left In: 37.703+/-36.134 χ^2/NDF:4.6/5

+ sign 92.419+/-23.738 χ^2/NDF: 33.6/23

All: 20.620+/-17.163 χ^2/NDF: 88.0/48

- sign -58.027+/-24.845 χ^2/NDF: 35.3/24

eigen_cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 81.658+/-0.023 χ^2/NDF:106324.3/7

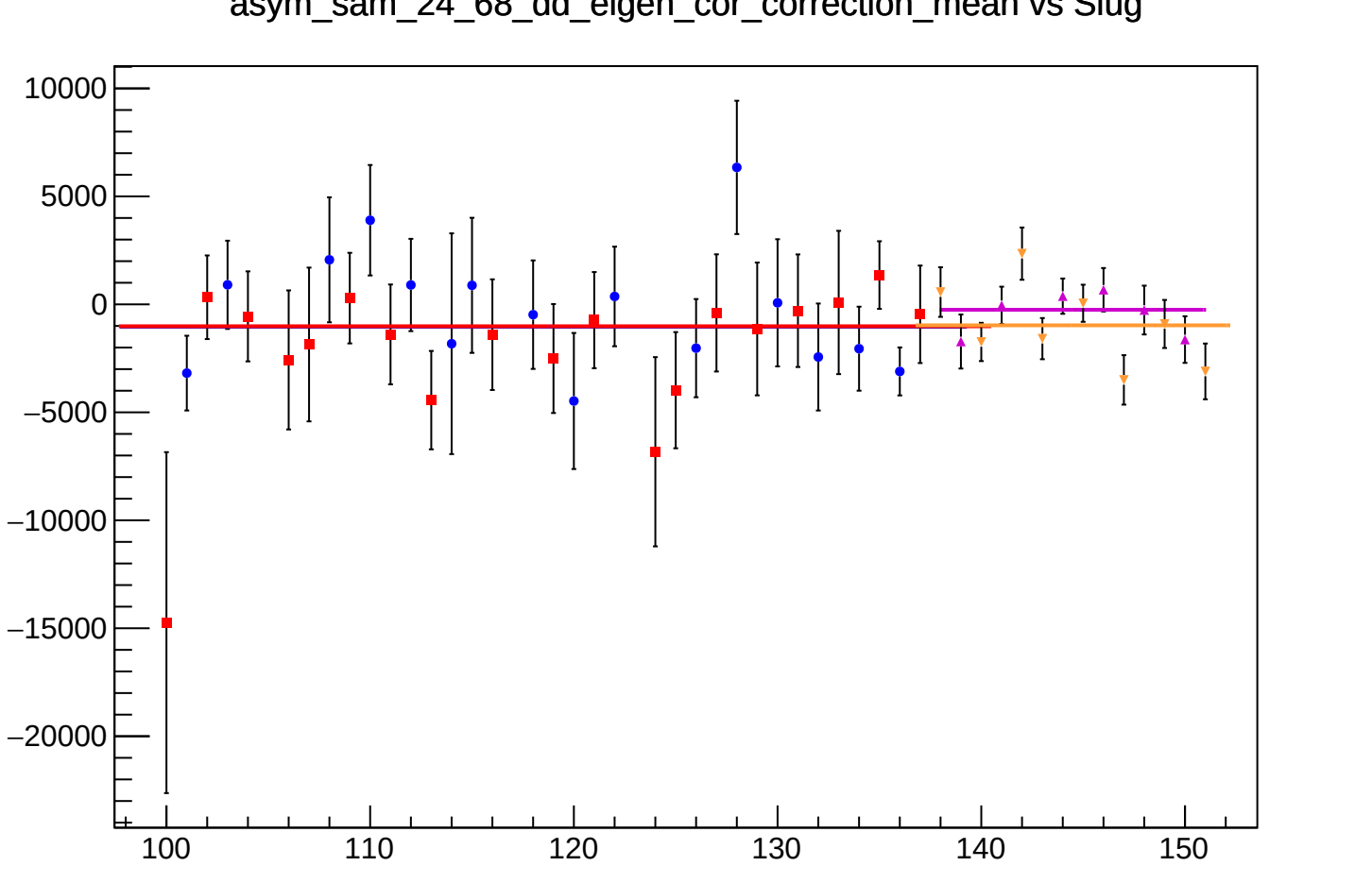
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 82.546+/-0.026 χ^2/NDF:54309.9/5

+ sign 86.071+/-0.017 χ^2/NDF: 453184.3/23

All: 86.795+/-0.012 χ^2/NDF: 886001.3/48

- sign 87.588+/-0.018 χ^2/NDF: 428919.9/24



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -970.657+/-369.101 χ^2/NDF:19.5/7

Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

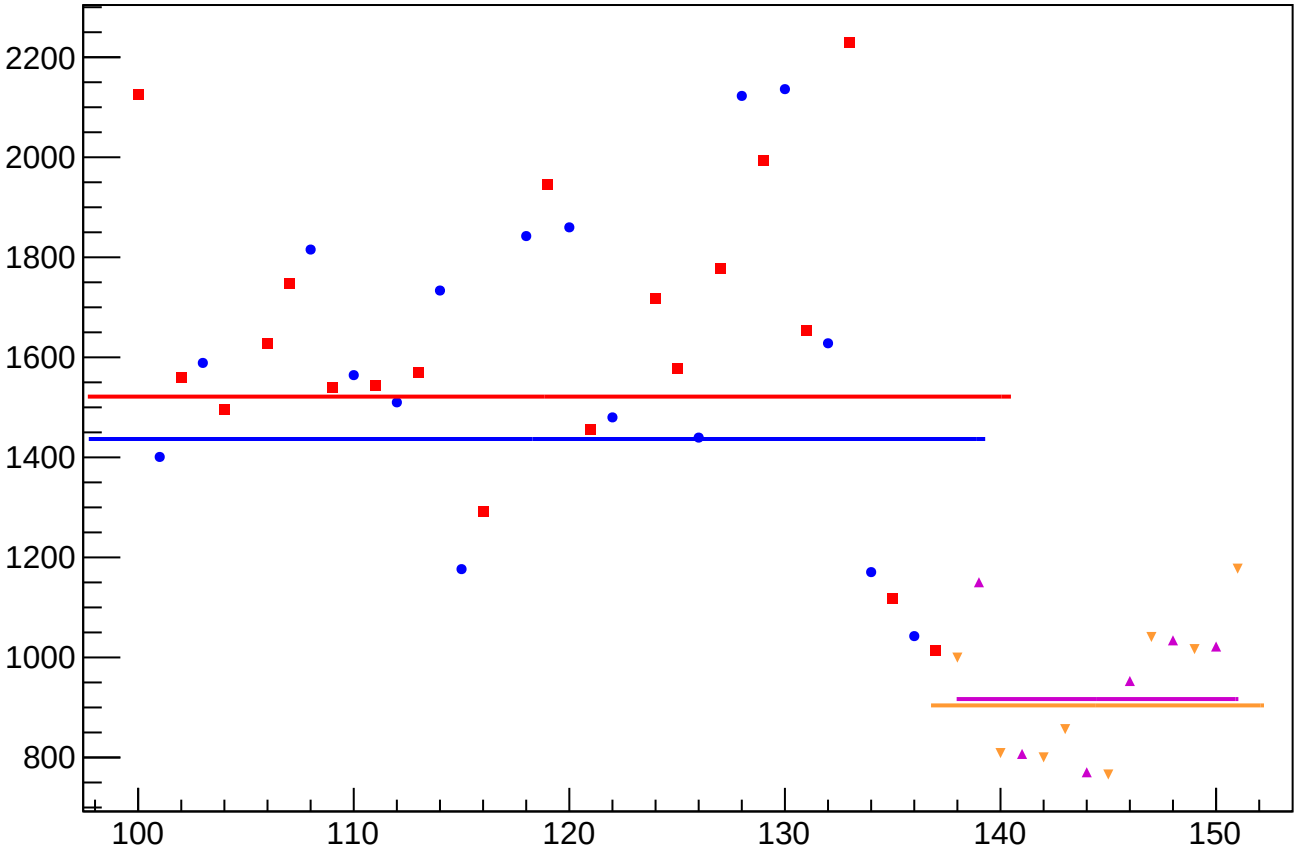
Left In: -249.913+/-404.505 χ^2/NDF:4.5/5

\+ sign -990.629+/-306.519 χ^2/NDF: 39.8/23

All: -766.249+/-224.533 χ^2/NDF: 59.1/48

\- sign -506.434+/-329.836 χ^2/NDF: 18.2/24

asym_sam_24_68_dd_eigen_cor_correction_rms vs Slug



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 904.115+/-0.261 χ^2/NDF:247047.2/7

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

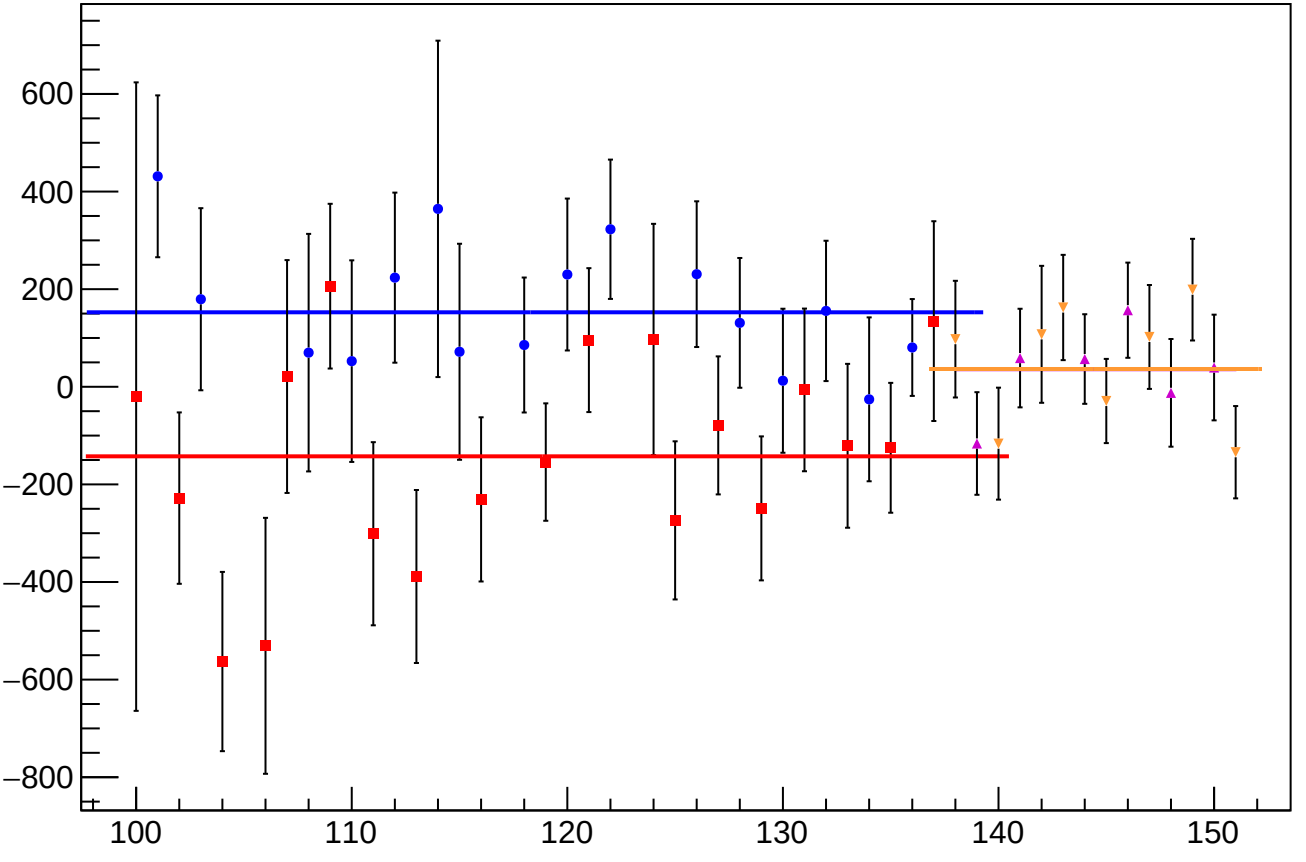
Left In: 916.822+/-0.286 χ^2/NDF:209345.2/5

+ sign 1069.418+/-0.217 χ^2/NDF: 2215254.2/23

All: 1092.606+/-0.159 χ^2/NDF: 4445335.2/48

- sign 1119.457+/-0.233 χ^2/NDF: 2205381.1/24

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 152.626+/-39.446 χ^2/NDF: 8.6/15

Left Out: 36.456+/-37.545 χ^2/NDF:10.3/7

Right Out: -142.496+/-39.340 χ^2/NDF: 22.9/18

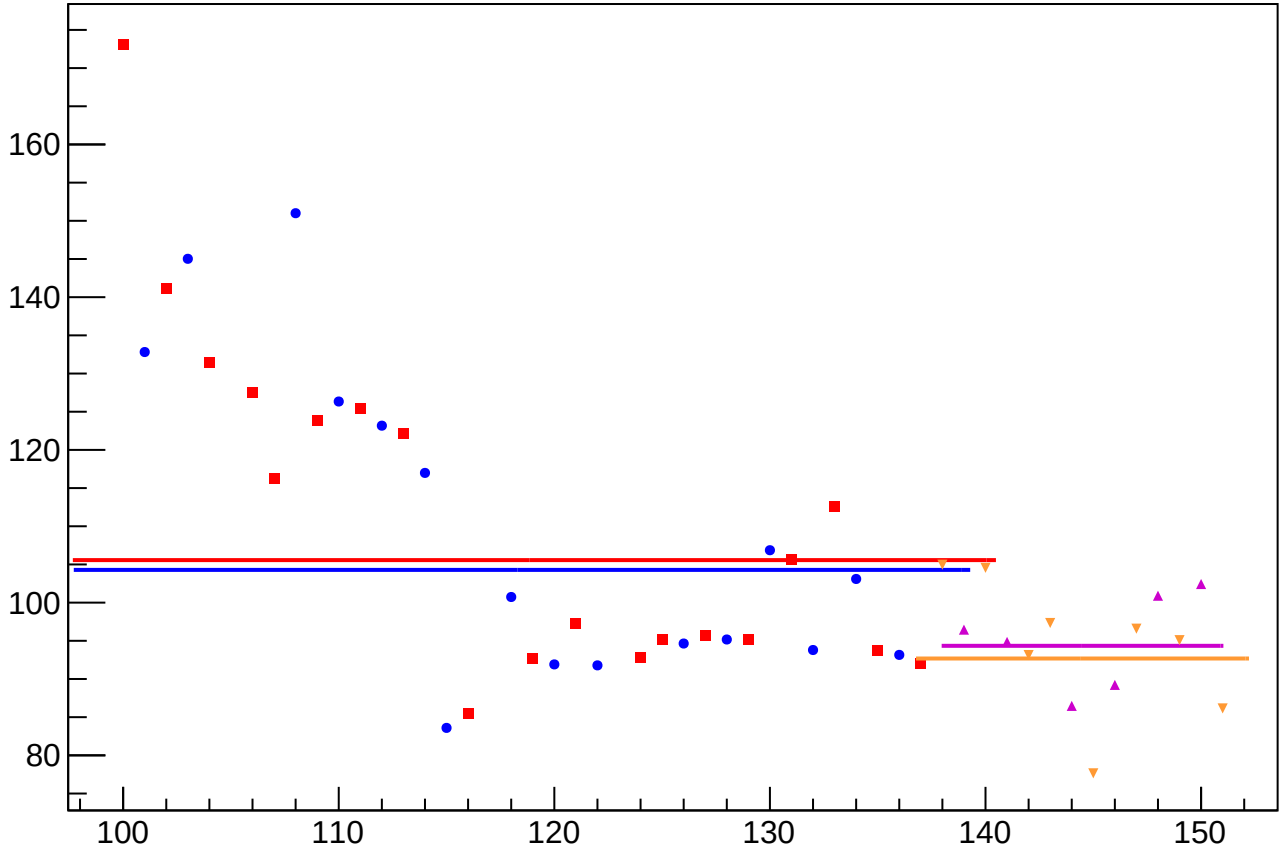
Left In: 35.972+/-41.530 χ^2/NDF:3.9/5

+ sign 91.674+/-27.196 χ^2/NDF: 23.5/23

All: 20.456+/-19.695 χ^2/NDF: 74.5/48

- sign -58.090+/-28.560 χ^2/NDF: 36.6/24

dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 92.682+/-0.027 χ^2/NDF:120381.4/7

Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

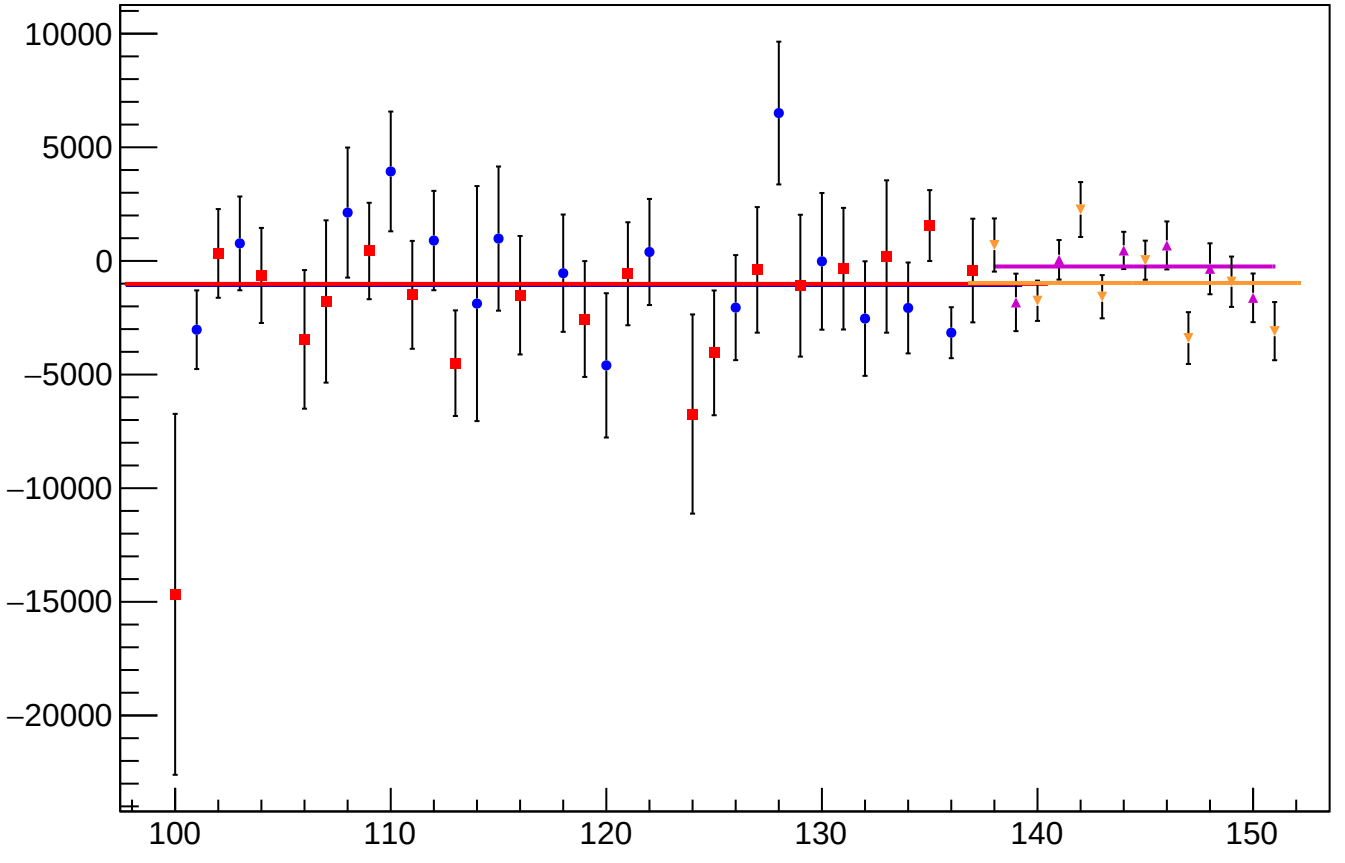
Left In: 94.344+/-0.029 χ^2/NDF:39299.2/5

+ sign 98.198+/-0.019 χ^2/NDF: 589502.6/23

All: 99.178+/-0.014 χ^2/NDF: 1055876.7/48

- sign 100.260+/-0.020 χ^2/NDF: 460907.6/24

asym_sam_24_68_dd_dit_correction_mean vs Slug



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -969.635+/-369.066 χ^2/NDF:19.0/7

Right Out: -1009.907+/-575.100 χ^2/NDF: 13.3/18

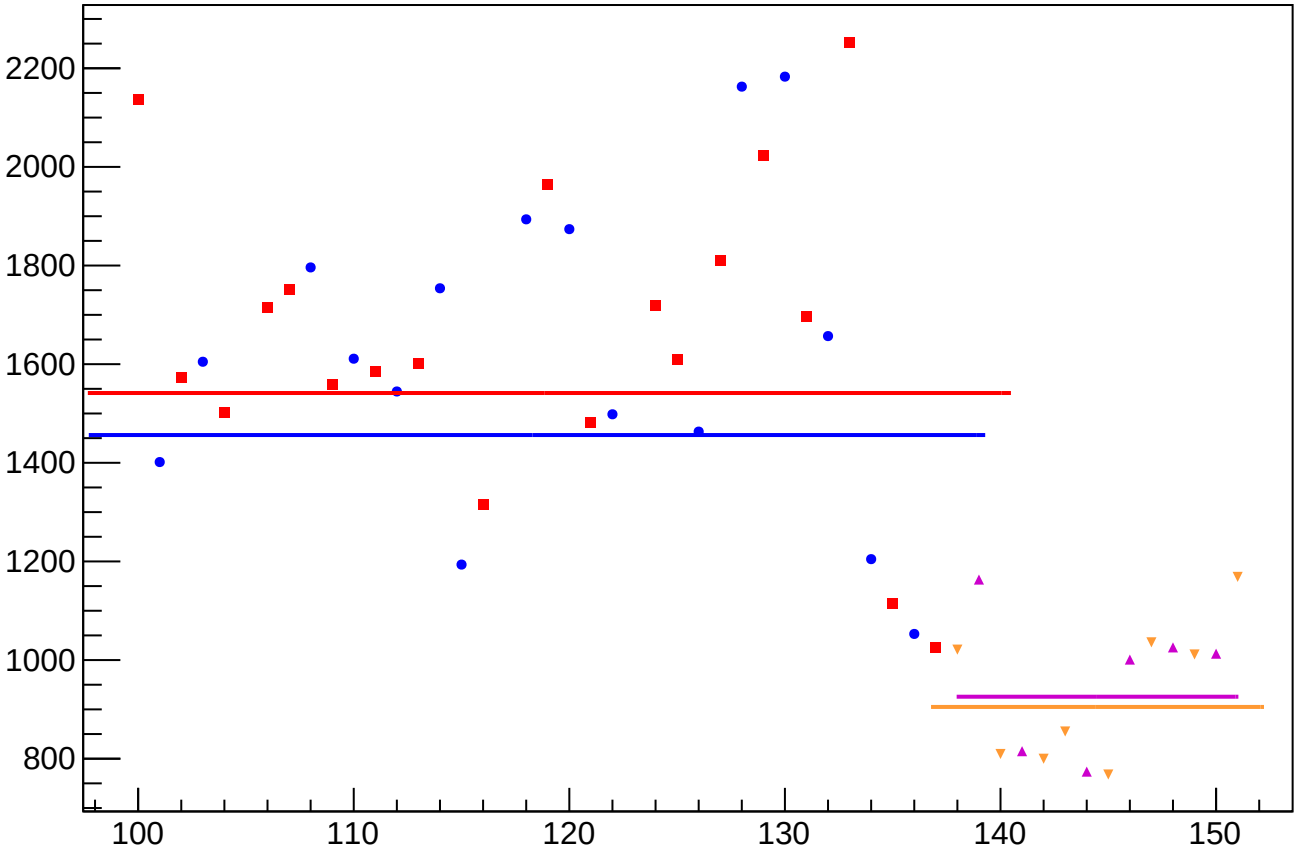
Left In: -244.782+/-408.296 χ^2/NDF:4.9/5

+ sign -996.964+/-307.767 χ^2/NDF: 39.0/23

All: -768.517+/-225.995 χ^2/NDF: 59.6/48

- sign -501.194+/-332.925 χ^2/NDF: 19.3/24

asym_sam_24_68_dd_dit_correction_rms vs Slug



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 904.961+/-0.261 χ^2/NDF:243993.7/7

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

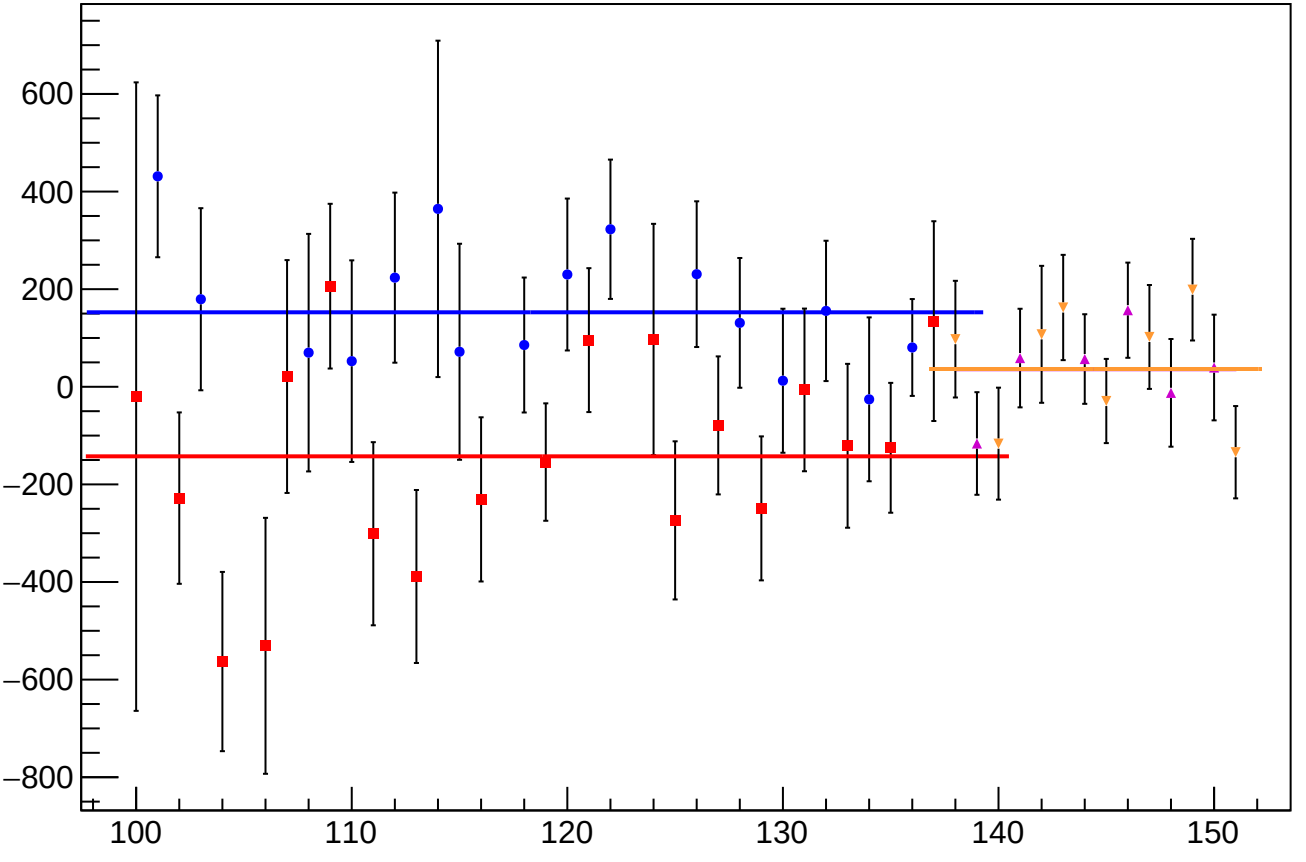
Left In: 925.699+/-0.289 χ^2/NDF:210811.8/5

+ sign 1072.899+/-0.218 χ^2/NDF: 2288343.7/23

All: 1100.167+/-0.160 χ^2/NDF: 4577305.5/48

- sign 1132.076+/-0.235 χ^2/NDF: 2254889.1/24

eigen_dit_asym_sam_24_68_dd_mean vs Slug



Right In: 152.628+/-39.446 χ^2/NDF: 8.6/15

Left Out: 36.455+/-37.545 χ^2/NDF:10.3/7

Right Out: -142.494+/-39.340 χ^2/NDF: 22.9/18

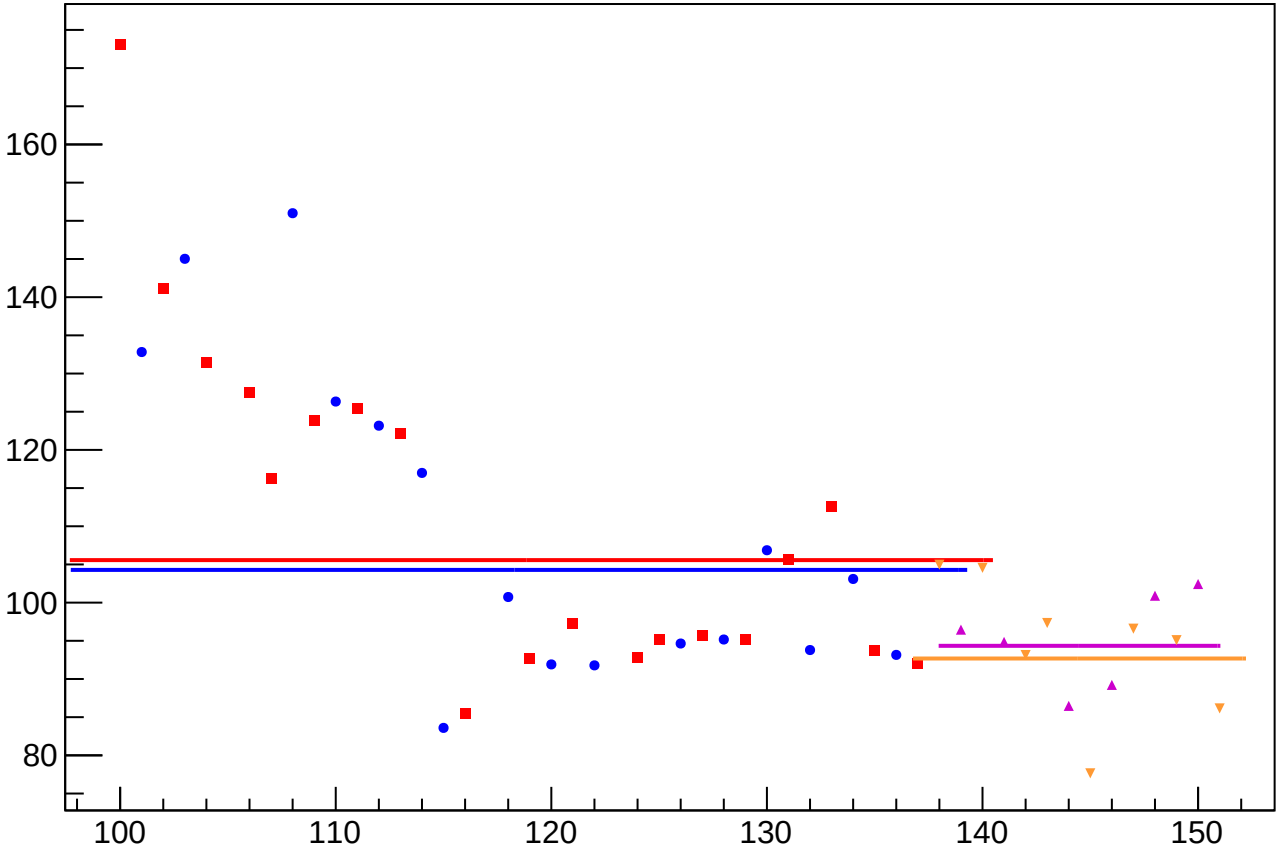
Left In: 35.971+/-41.529 χ^2/NDF:3.9/5

+ sign 91.675+/-27.196 χ^2/NDF: 23.5/23

All: 20.457+/-19.695 χ^2/NDF: 74.5/48

- sign -58.089+/-28.560 χ^2/NDF: 36.6/24

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 92.682+/-0.027 χ^2/NDF:120379.6/7

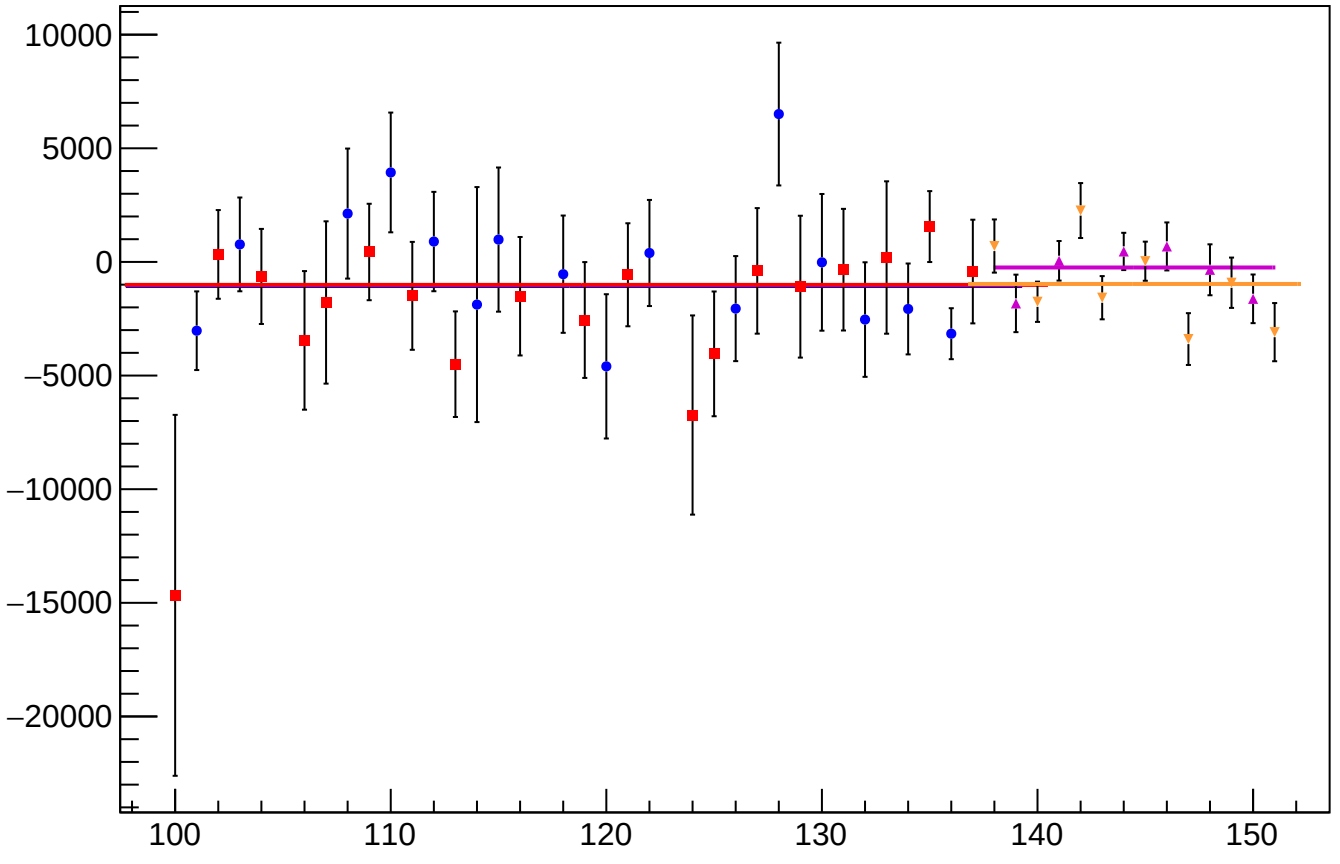
Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 94.344+/-0.029 χ^2/NDF:39299.6/5

+ sign 98.197+/-0.019 χ^2/NDF: 589487.4/23

All: 99.178+/-0.014 χ^2/NDF: 1055853.0/48

- sign 100.259+/-0.020 χ^2/NDF: 460899.1/24



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: -969.636+/-369.065 χ^2/NDF:19.0/7

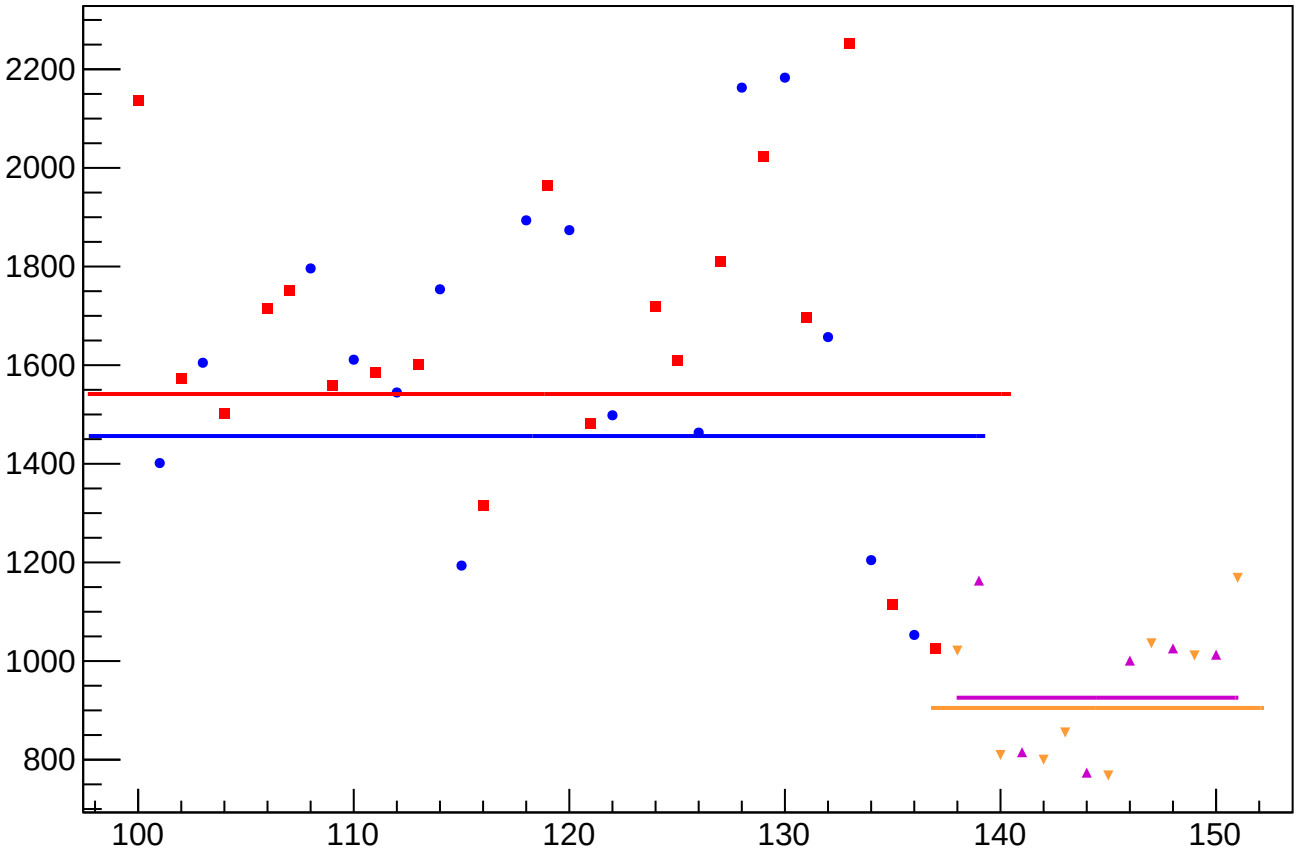
Right Out: -1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: -244.783+/-408.296 χ^2/NDF:4.9/5

+ sign -996.964+/-307.766 χ^2/NDF: 39.0/23

All: -768.516+/-225.995 χ^2/NDF: 59.6/48

- sign -501.194+/-332.924 χ^2/NDF: 19.3/24



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 904.960+/-0.261 χ^2/NDF:243994.8/7

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

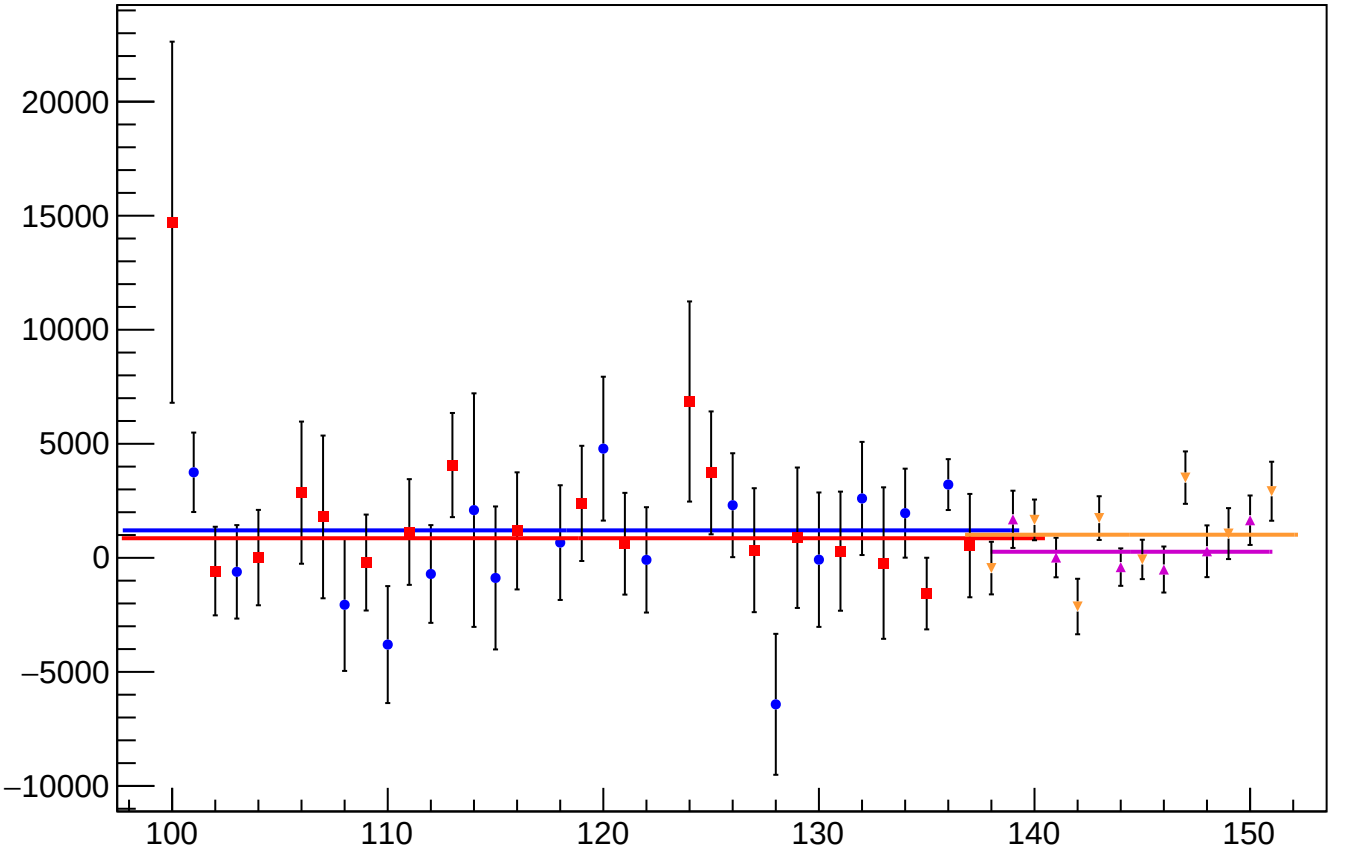
Left In: 925.699+/-0.289 χ^2/NDF:210811.7/5

+ sign 1072.897+/-0.218 χ^2/NDF: 2288339.3/23

All: 1100.166+/-0.160 χ^2/NDF: 4577295.3/48

- sign 1132.075+/-0.235 χ^2/NDF: 2254882.9/24

asym_sam_24_68_dd_mean vs Slug



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 1014.252+/-370.801 χ^2/NDF:17.9/7

Right Out: 859.290+/-570.391 χ^2/NDF: 12.5/18

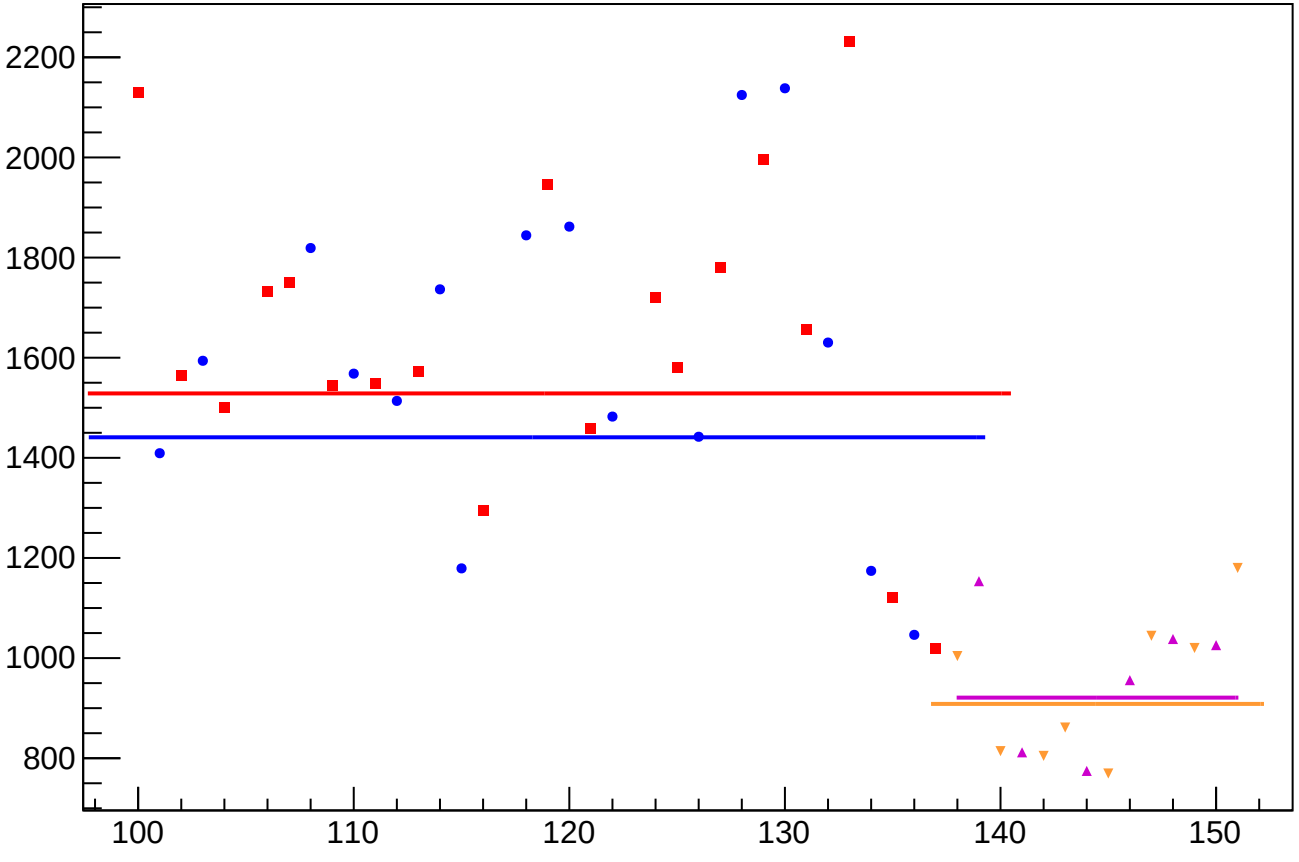
Left In: 266.593+/-406.287 χ^2/NDF:4.3/5

+ sign 1073.506+/-307.755 χ^2/NDF: 39.1/23

All: 791.800+/-225.361 χ^2/NDF: 58.4/48

- sign 466.089+/-330.920 χ^2/NDF: 17.5/24

asym_sam_24_68_dd_rms vs Slug



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 908.488+/-0.262 χ^2/NDF:243585.3/7

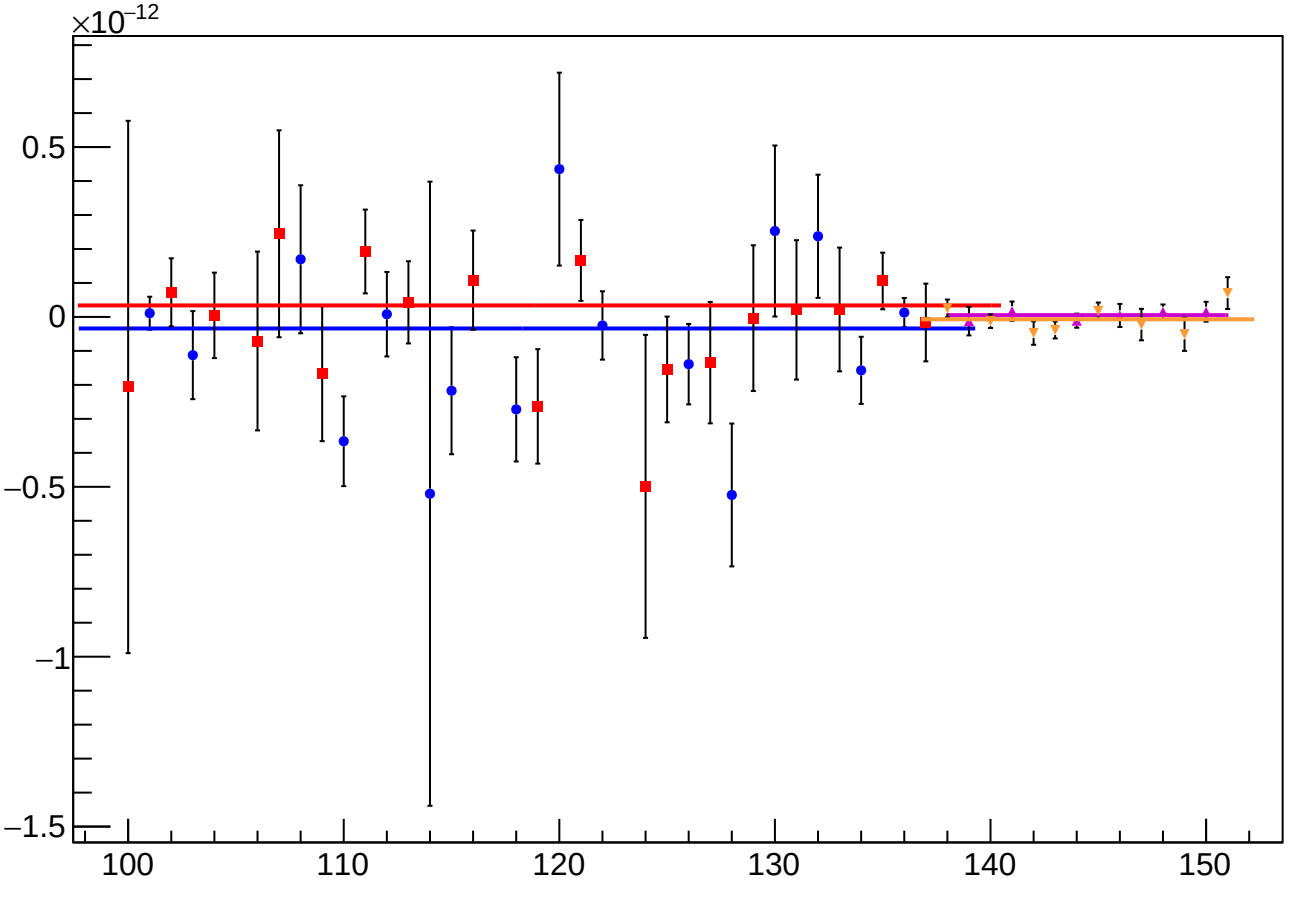
Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 921.030+/-0.287 χ^2/NDF:206429.8/5

+ sign 1074.183+/-0.218 χ^2/NDF: 2197794.1/23

All: 1098.006+/-0.159 χ^2/NDF: 4437462.0/48

- sign 1125.549+/-0.234 χ^2/NDF: 2213828.1/24



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.1/7

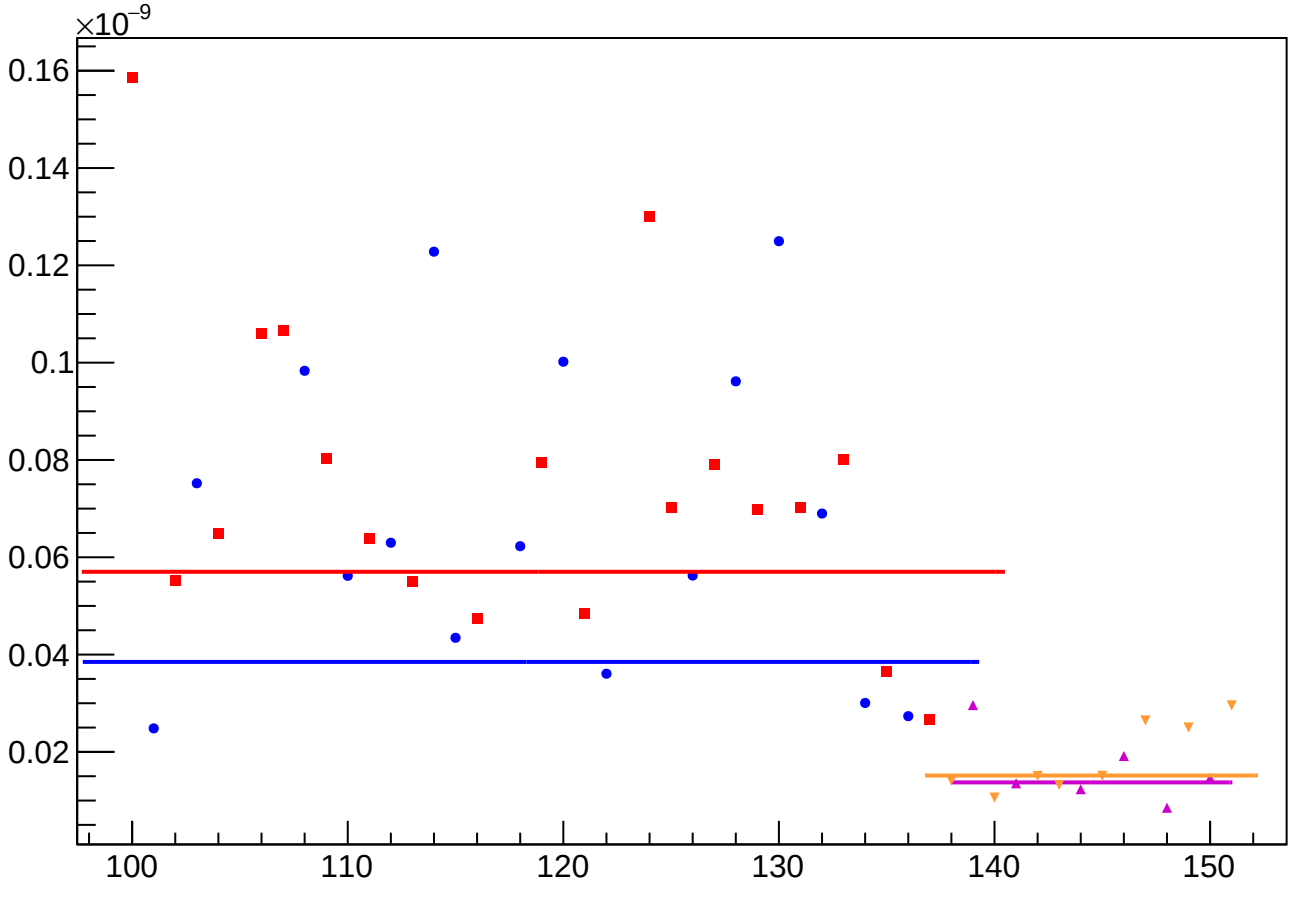
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1.3/5

+ sign -0.000+/-0.000 χ^2/NDF: 37.5/23

All: -0.000+/-0.000 χ^2/NDF: 54.2/48

- sign 0.000+/-0.000 χ^2/NDF: 14.9/24



Right In: 0.000+/-0.000 χ^2/NDF: 1382311.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:506494.4/7

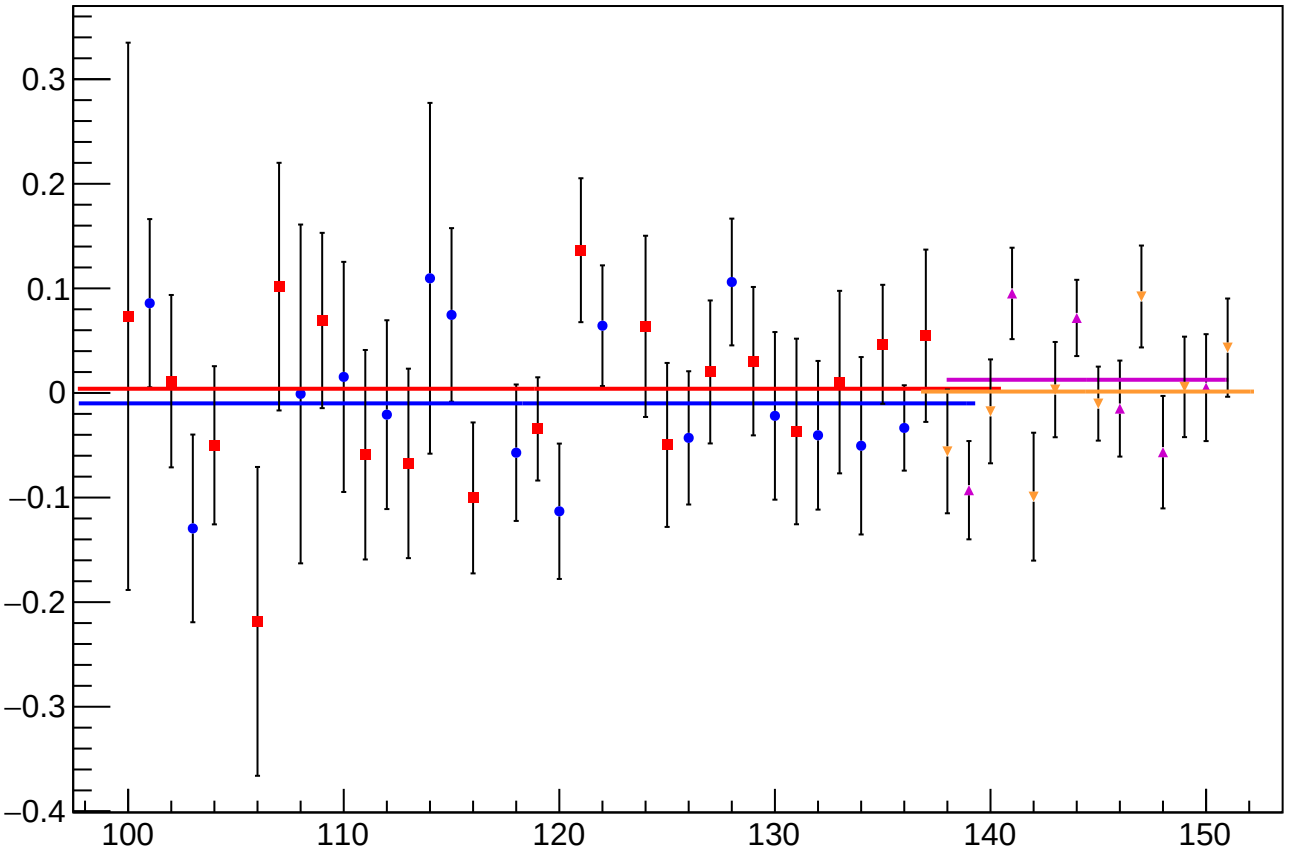
Right Out: 0.000+/-0.000 χ^2/NDF: 660994.1/18

Left In: 0.000+/-0.000 χ^2/NDF:465624.6/5

+ sign 0.000+/-0.000 χ^2/NDF: 3372375.8/23

All: 0.000+/-0.000 χ^2/NDF: 7472925.3/48

- sign 0.000+/-0.000 χ^2/NDF: 4095436.8/24



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.001+/-0.017 χ^2/NDF:8.2/7

Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

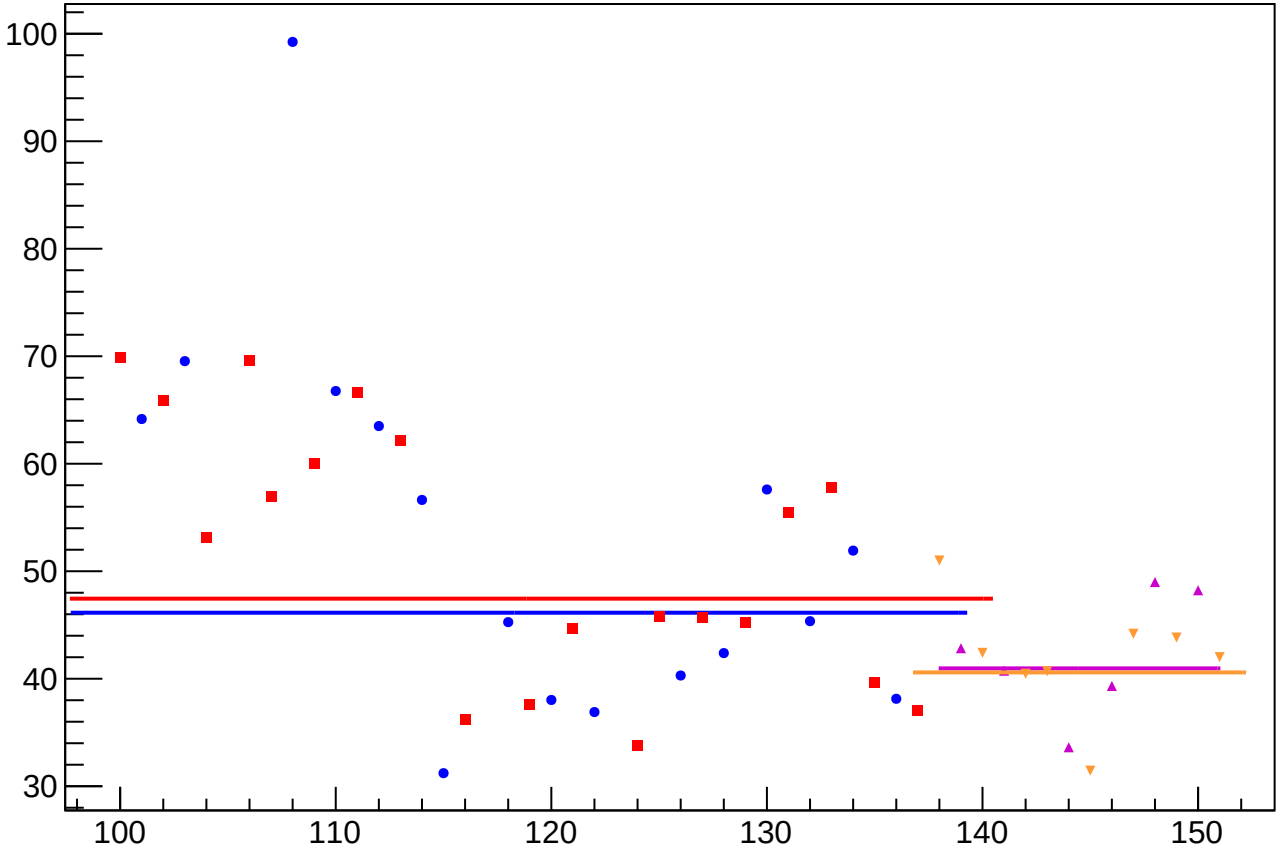
Left In: 0.013+/-0.018 χ^2/NDF:13.3/5

+ sign -0.004+/-0.012 χ^2/NDF: 22.6/23

All: 0.002+/-0.009 χ^2/NDF: 50.3/48

- sign 0.008+/-0.013 χ^2/NDF: 27.3/24

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: 40.587+/-0.012 χ^2/NDF:219941.9/7

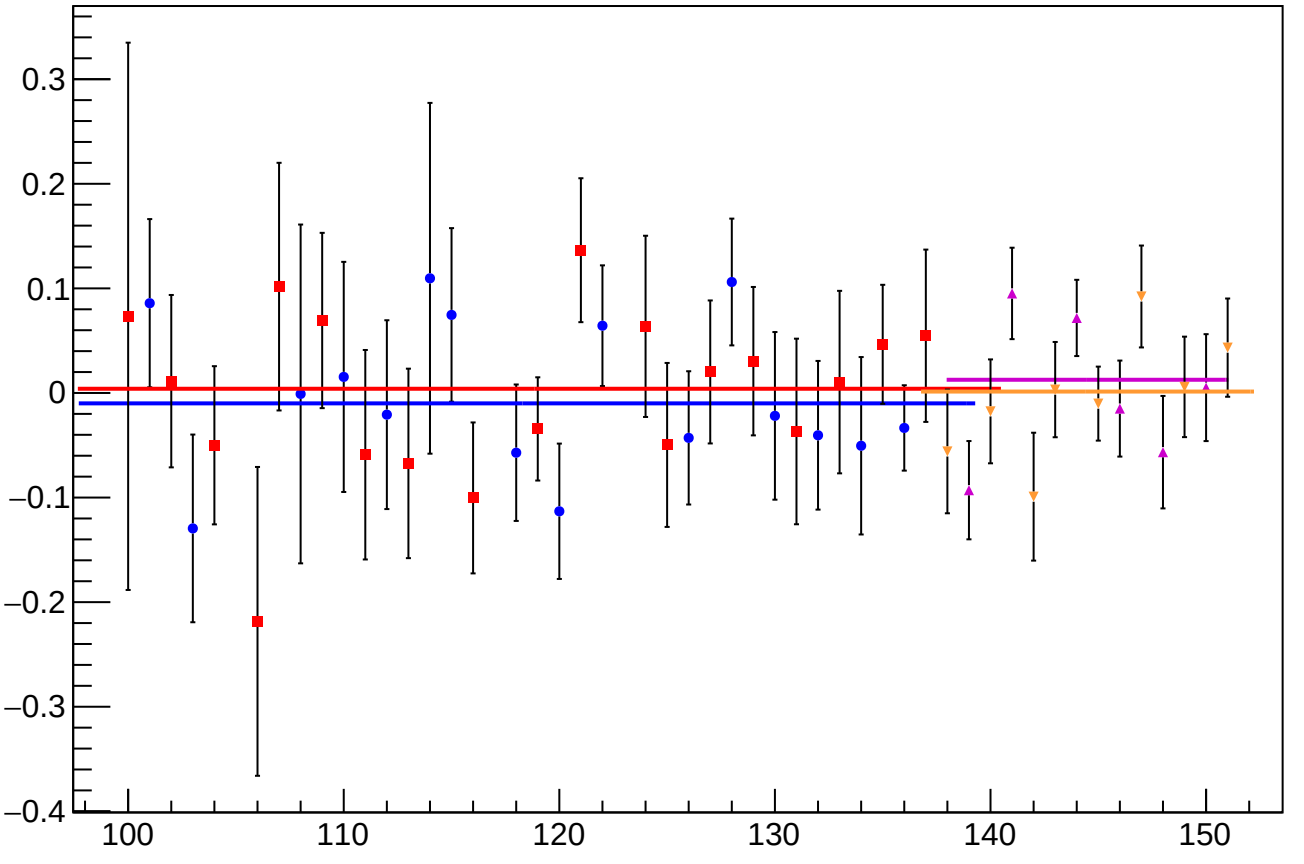
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 40.963+/-0.013 χ^2/NDF:171912.6/5

+ sign 43.172+/-0.009 χ^2/NDF: 1225110.4/23

All: 43.694+/-0.006 χ^2/NDF: 2185269.7/48

- sign 44.272+/-0.009 χ^2/NDF: 952539.3/24



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.001+/-0.017 χ^2/NDF:8.2/7

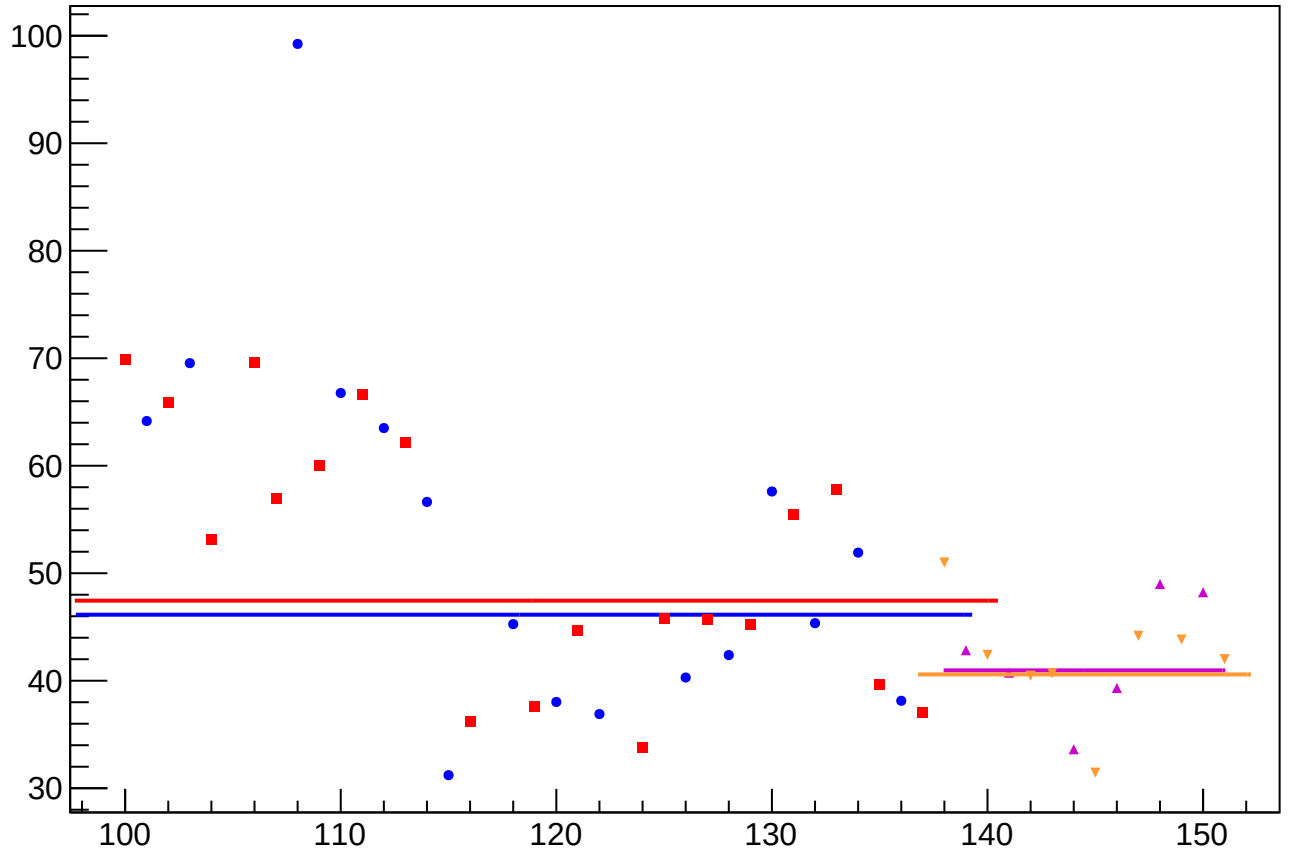
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.013+/-0.018 χ^2/NDF:13.3/5

+ sign -0.004+/-0.012 χ^2/NDF: 22.6/23

All: 0.002+/-0.009 χ^2/NDF: 50.3/48

- sign 0.008+/-0.013 χ^2/NDF: 27.3/24



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 40.587+/-0.012 χ^2/NDF:219941.9/7

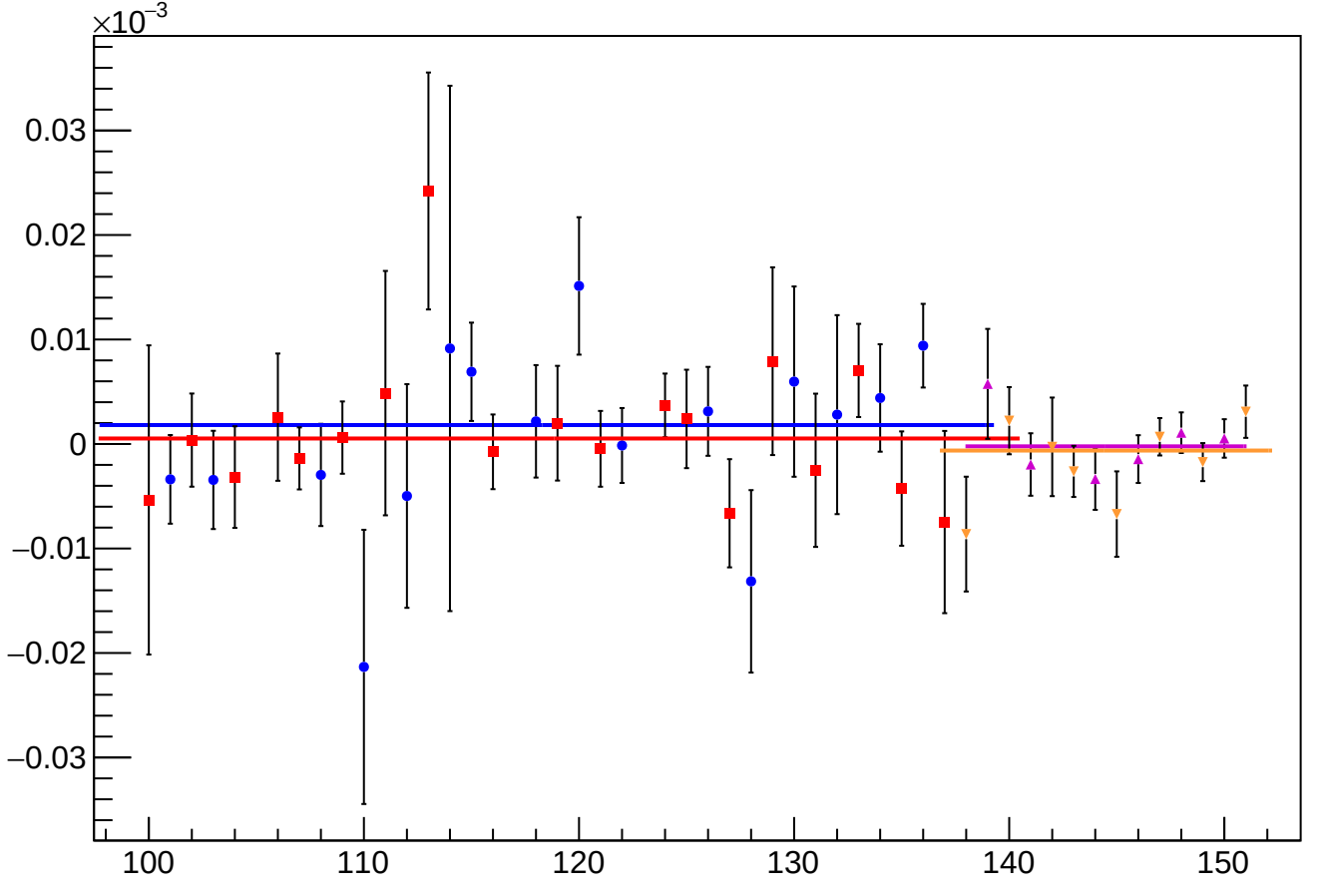
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 40.963+/-0.013 χ^2/NDF:171912.6/5

+ sign 43.172+/-0.009 χ^2/NDF: 1225110.4/23

All: 43.694+/-0.006 χ^2/NDF: 2185269.7/48

- sign 44.272+/-0.009 χ^2/NDF: 952539.3/24



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.9/7

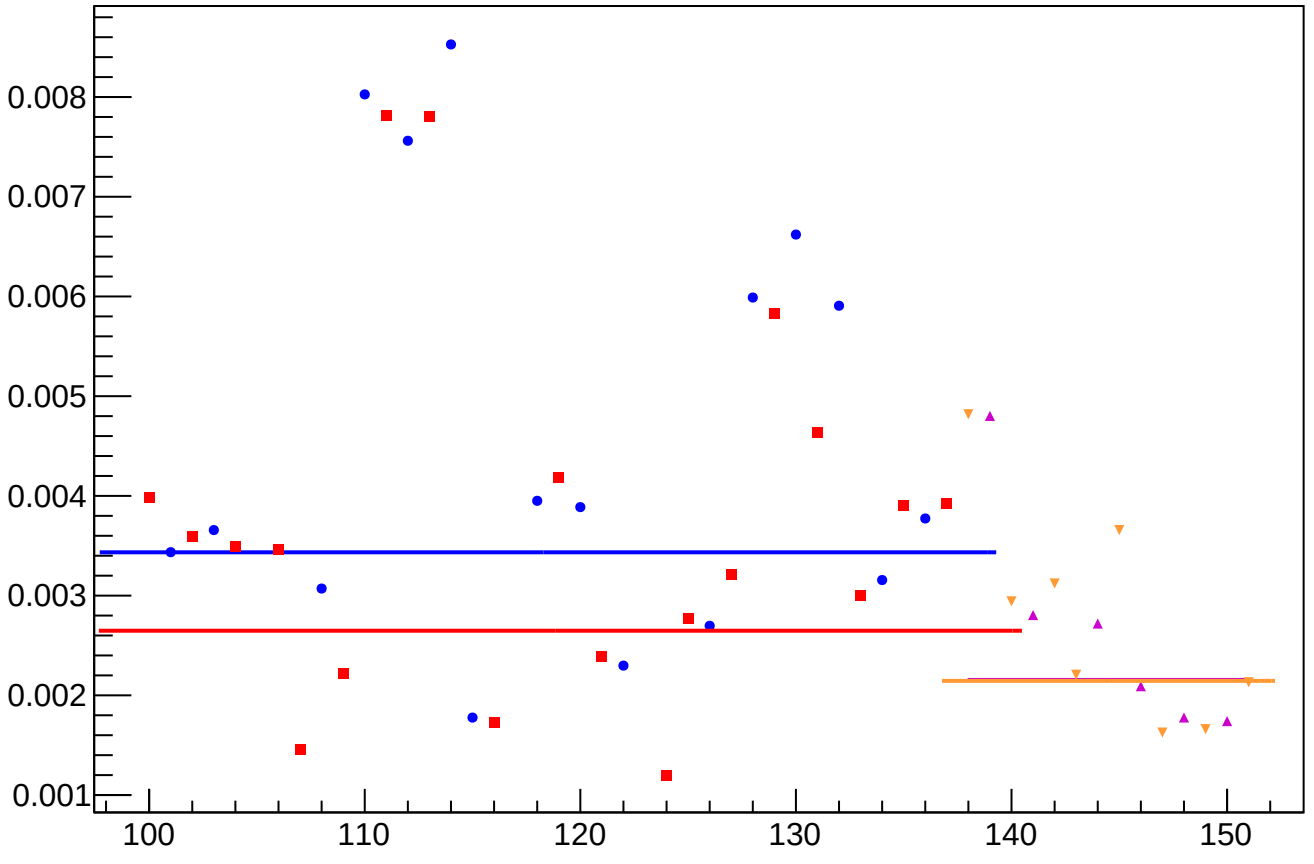
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:3.7/5

+ sign 0.000+/-0.000 χ^2/NDF: 31.1/23

All: 0.000+/-0.000 χ^2/NDF: 48.7/48

- sign 0.000+/-0.000 χ^2/NDF: 17.7/24



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1267901.9/7

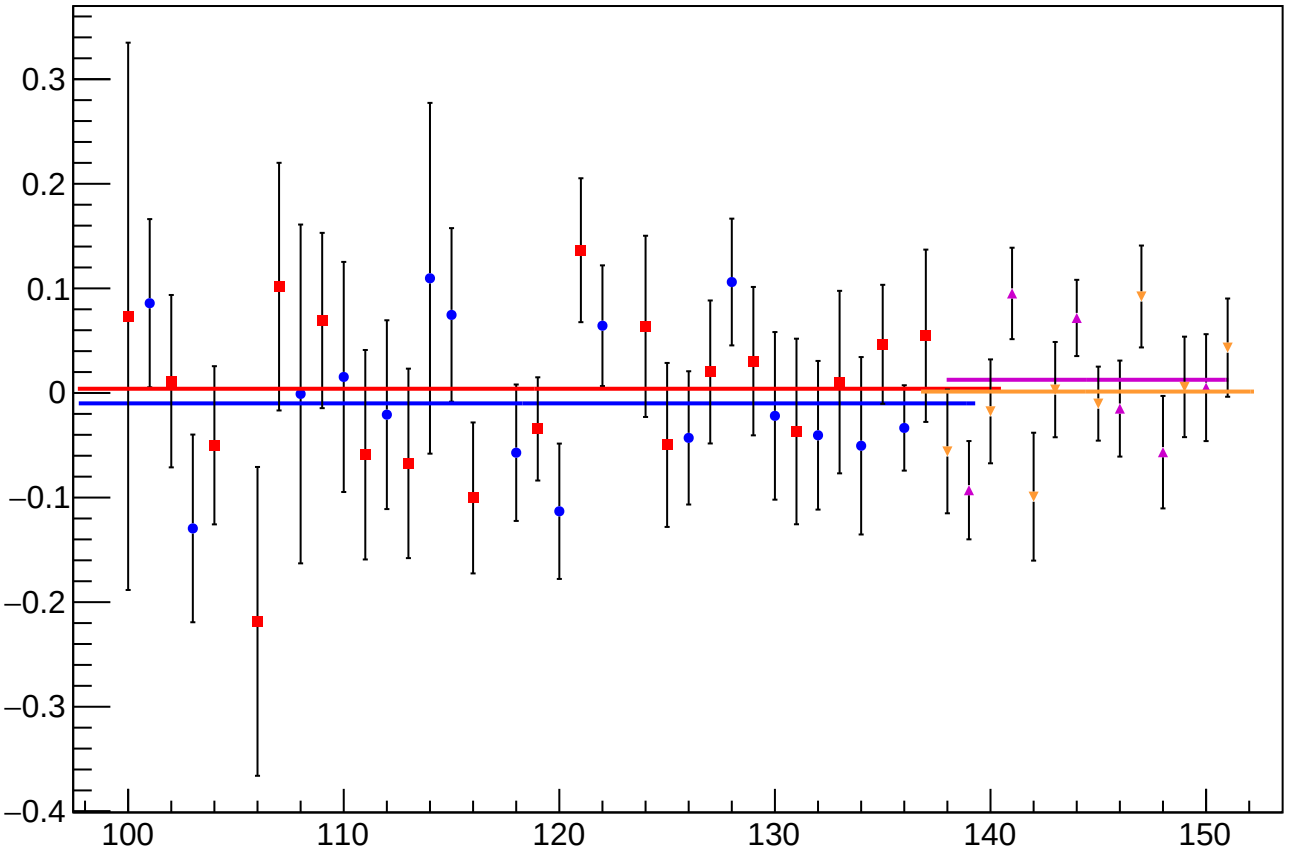
Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.002+/-0.000 χ^2/NDF:851925.9/5

+ sign 0.003+/-0.000 χ^2/NDF: 4232713.3/23

All: 0.002+/-0.000 χ^2/NDF: 8055828.4/48

- sign 0.002+/-0.000 χ^2/NDF: 3773044.2/24



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.001+/-0.017 χ^2/NDF:8.2/7

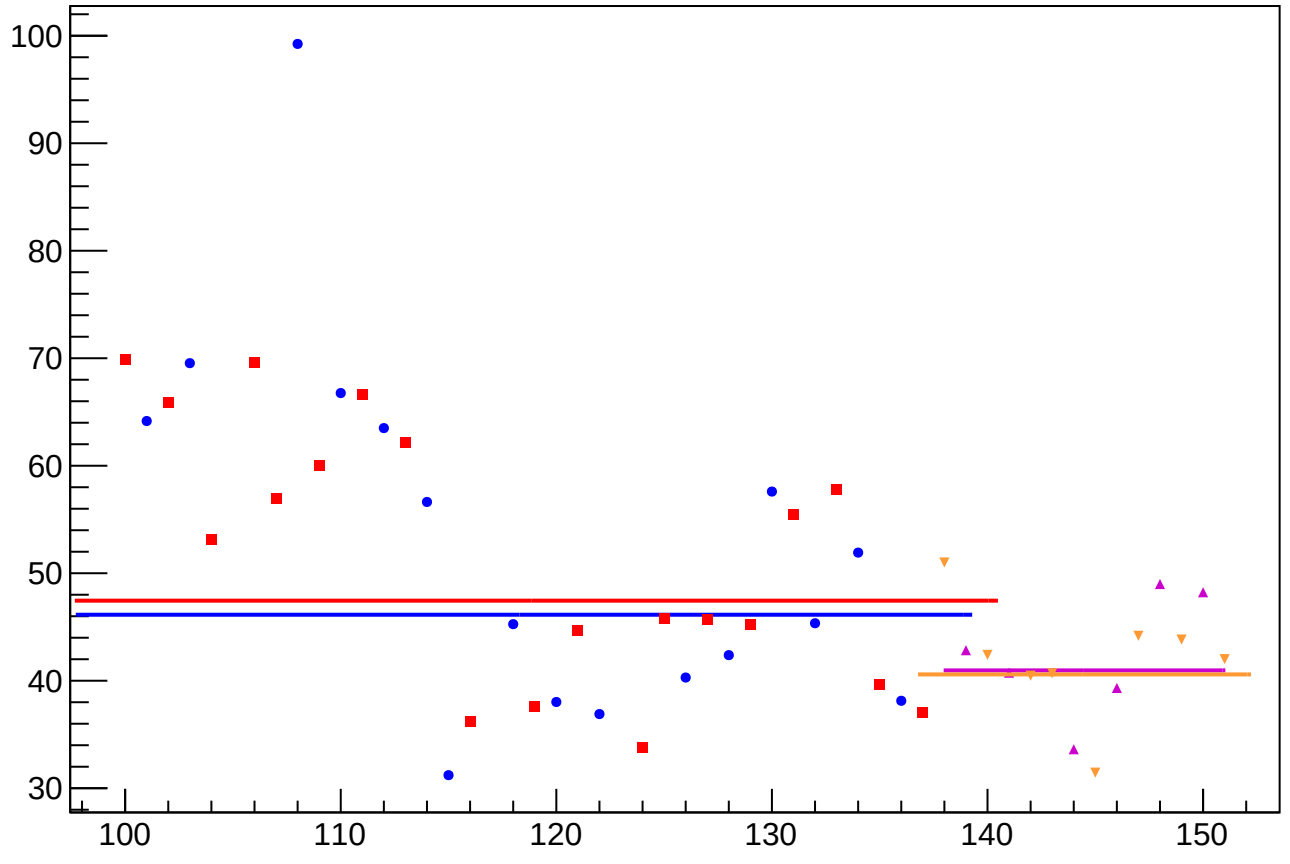
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.013+/-0.018 χ^2/NDF:13.3/5

+ sign -0.004+/-0.012 χ^2/NDF: 22.6/23

All: 0.002+/-0.009 χ^2/NDF: 50.3/48

- sign 0.008+/-0.013 χ^2/NDF: 27.3/24



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 40.587+/-0.012 χ^2/NDF:219941.3/7

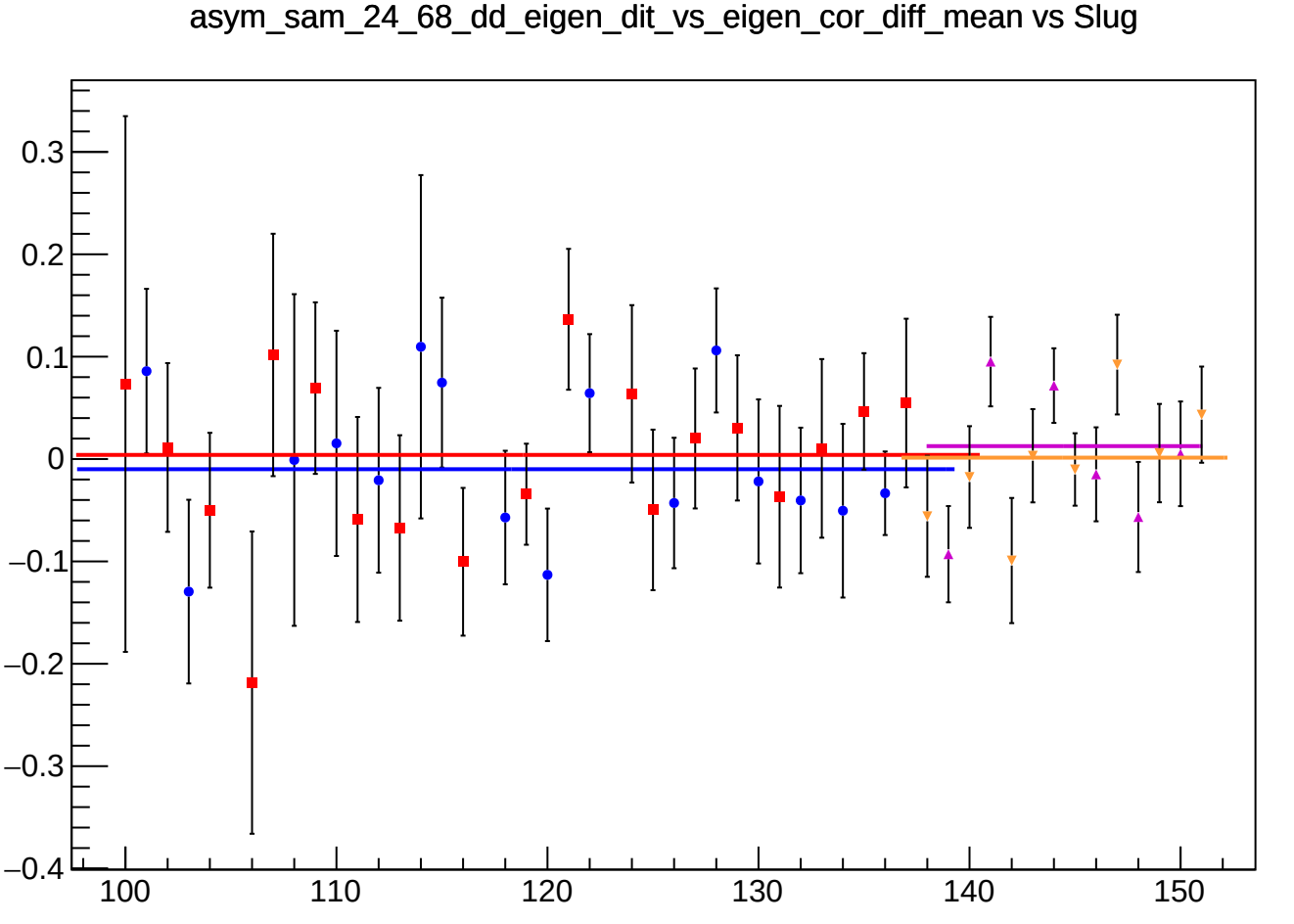
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 40.962+/-0.013 χ^2/NDF:171917.8/5

+ sign 43.172+/-0.009 χ^2/NDF: 1225020.8/23

All: 43.693+/-0.006 χ^2/NDF: 2185143.2/48

- sign 44.272+/-0.009 χ^2/NDF: 952503.7/24



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.001+/-0.017 χ^2/NDF:8.2/7

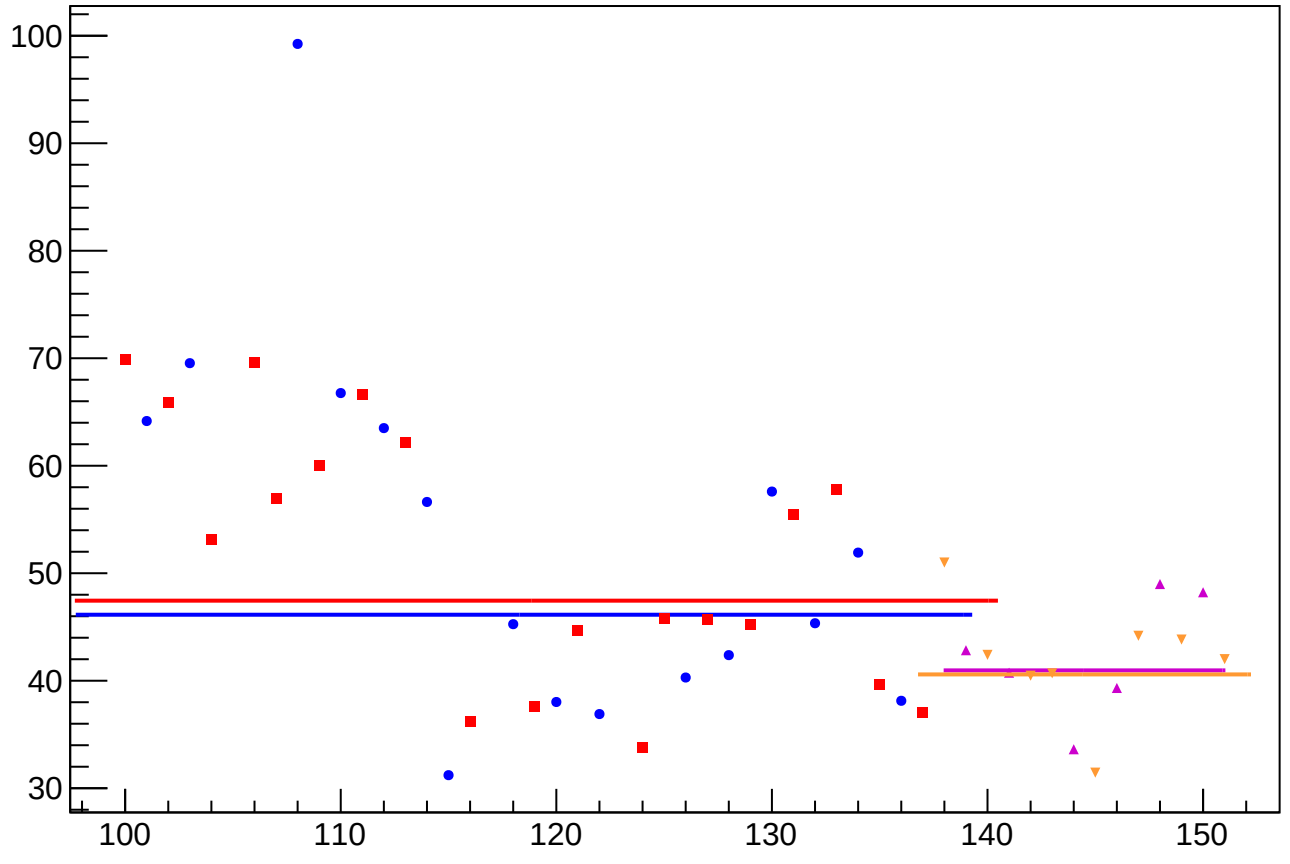
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.013+/-0.018 χ^2/NDF:13.3/5

+ sign -0.004+/-0.012 χ^2/NDF: 22.6/23

All: 0.002+/-0.009 χ^2/NDF: 50.3/48

- sign 0.008+/-0.013 χ^2/NDF: 27.3/24



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 40.587+/-0.012 χ^2/NDF:219941.3/7

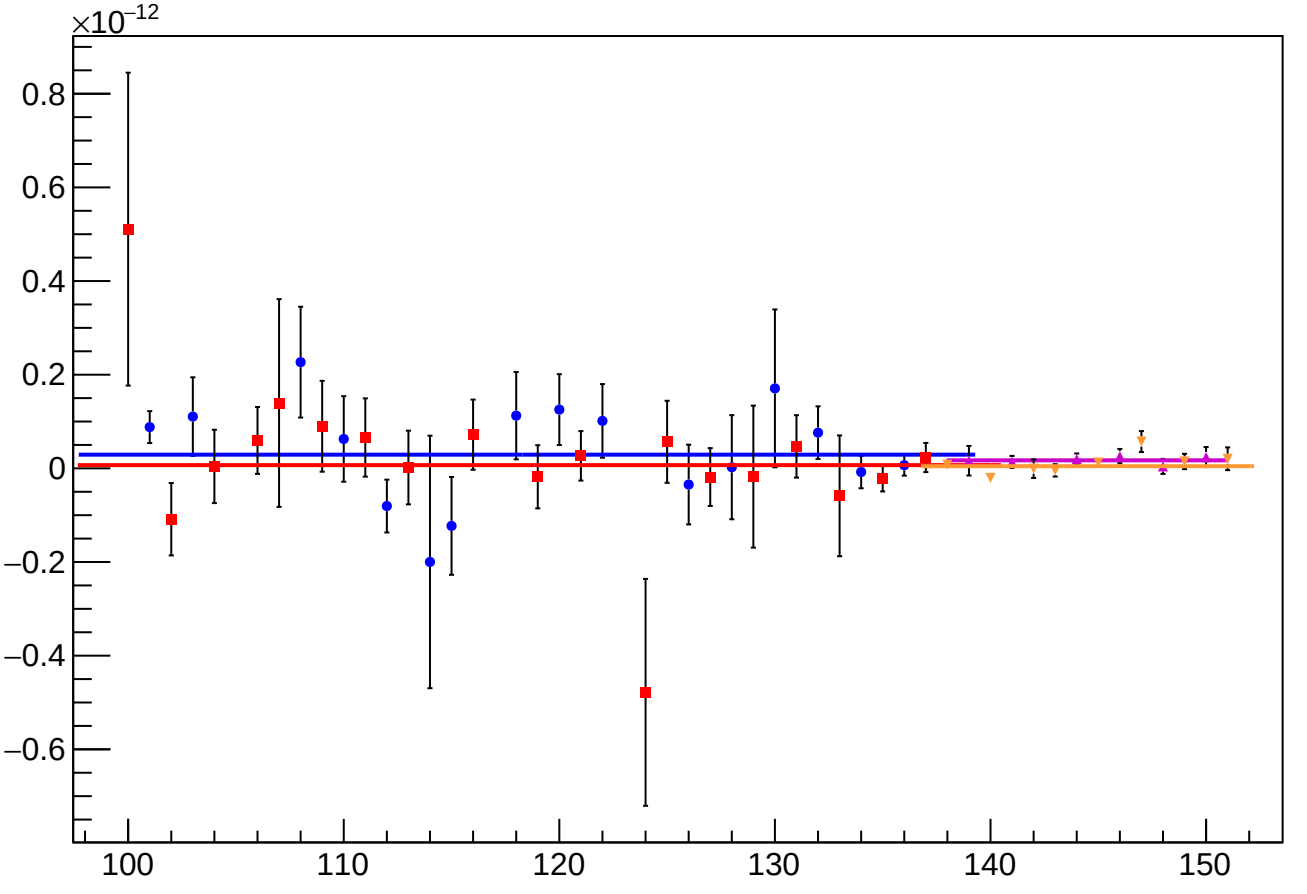
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 40.962+/-0.013 χ^2/NDF:171917.8/5

+ sign 43.172+/-0.009 χ^2/NDF: 1225020.8/23

All: 43.693+/-0.006 χ^2/NDF: 2185143.2/48

- sign 44.272+/-0.009 χ^2/NDF: 952503.7/24



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.2/7

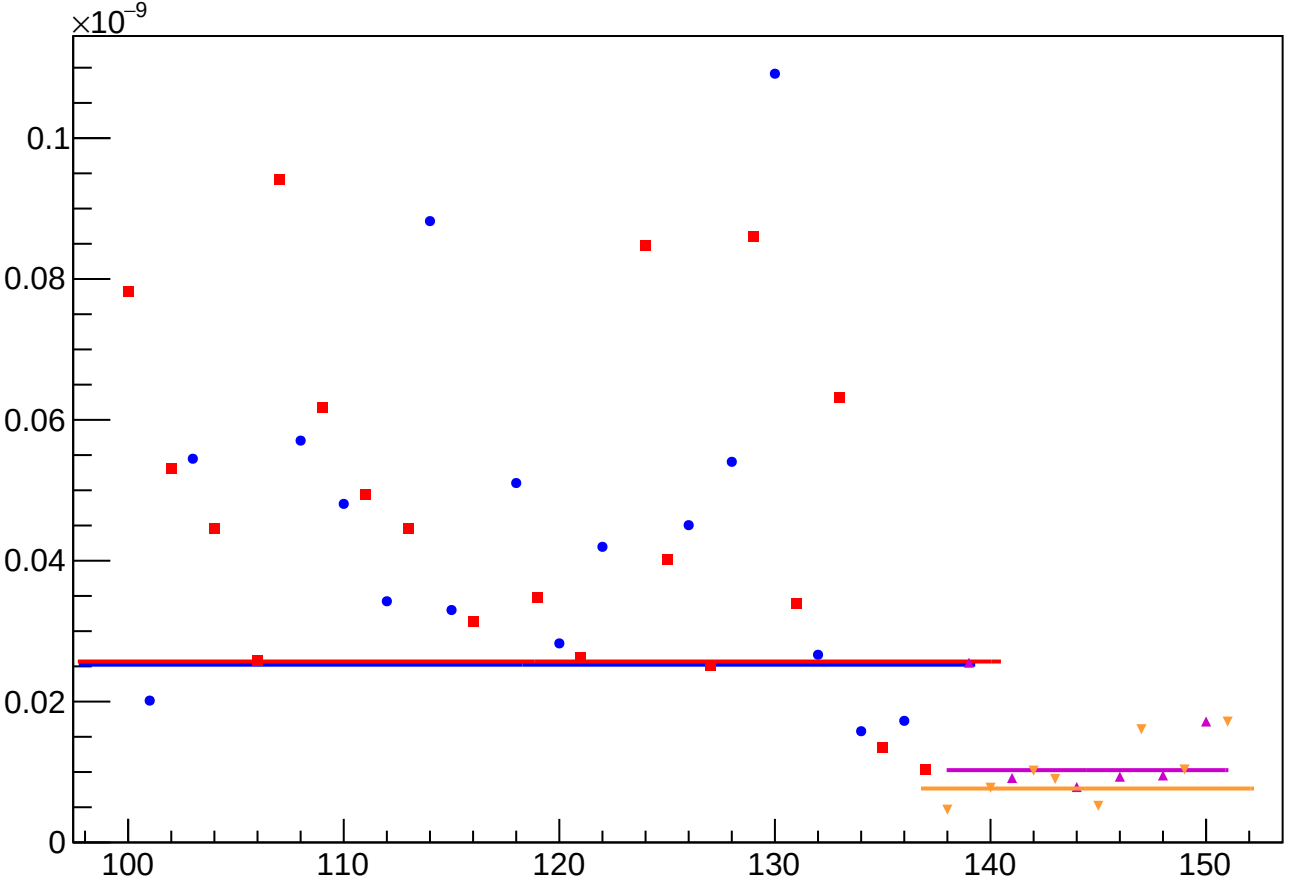
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1.2/5

+ sign 0.000+/-0.000 χ^2/NDF: 37.1/23

All: 0.000+/-0.000 χ^2/NDF: 54.2/48

- sign 0.000+/-0.000 χ^2/NDF: 15.9/24



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1018651.7/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

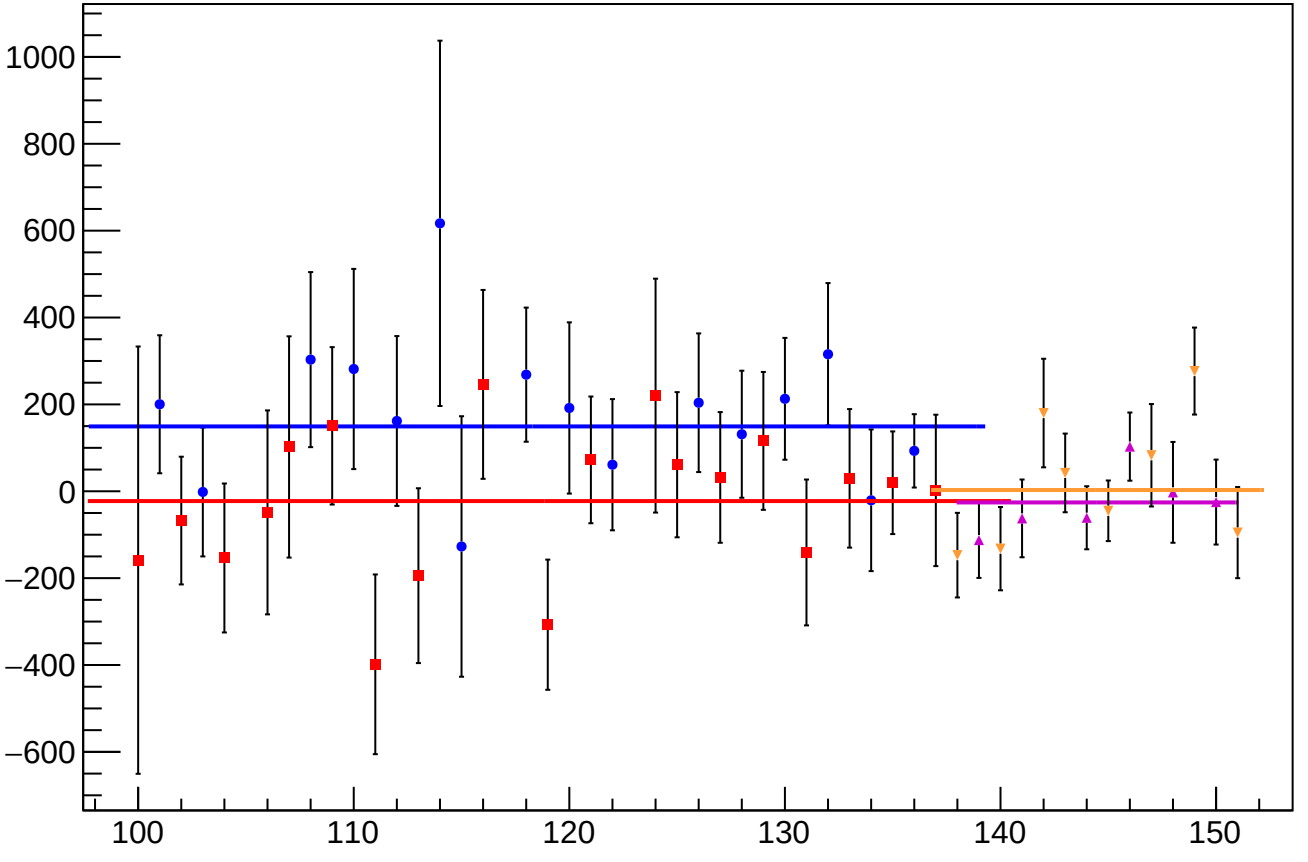
Left In: 0.000+/-0.000 χ^2/NDF:782999.0/5

+ sign 0.000+/-0.000 χ^2/NDF: 6160752.5/23

All: 0.000+/-0.000 χ^2/NDF: 12069056.5/48

- sign 0.000+/-0.000 χ^2/NDF: 5501887.4/24

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: 2.841+/-33.944 χ^2/NDF:15.8/7

Right Out: -22.549+/-40.100 χ^2/NDF: 14.2/18

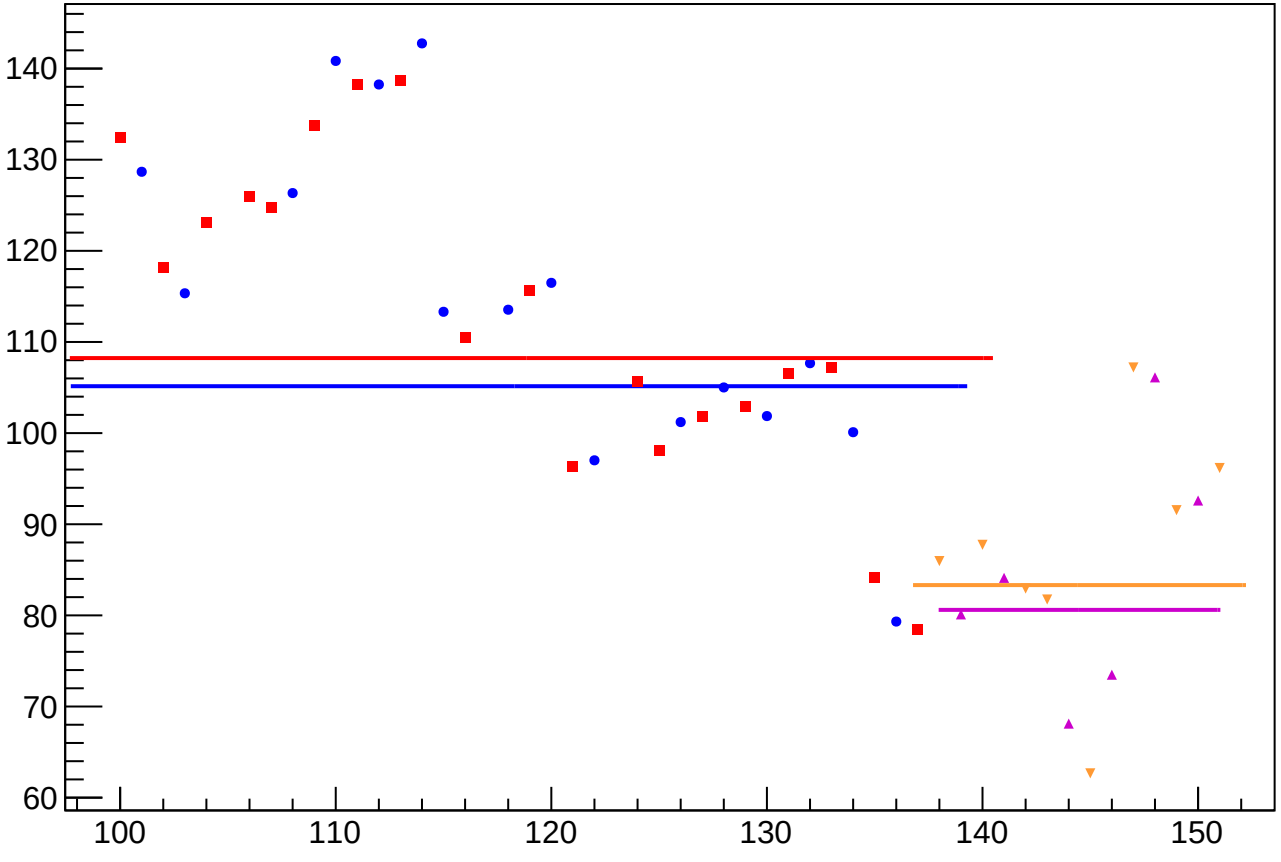
Left In: -25.717+/-35.640 χ^2/NDF:4.1/5

+ sign 64.718+/-25.796 χ^2/NDF: 31.7/23

All: 21.631+/-18.531 χ^2/NDF: 55.8/48

- sign -24.319+/-26.639 χ^2/NDF: 18.3/24

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 83.323+/-0.024 χ^2/NDF:307143.4/7

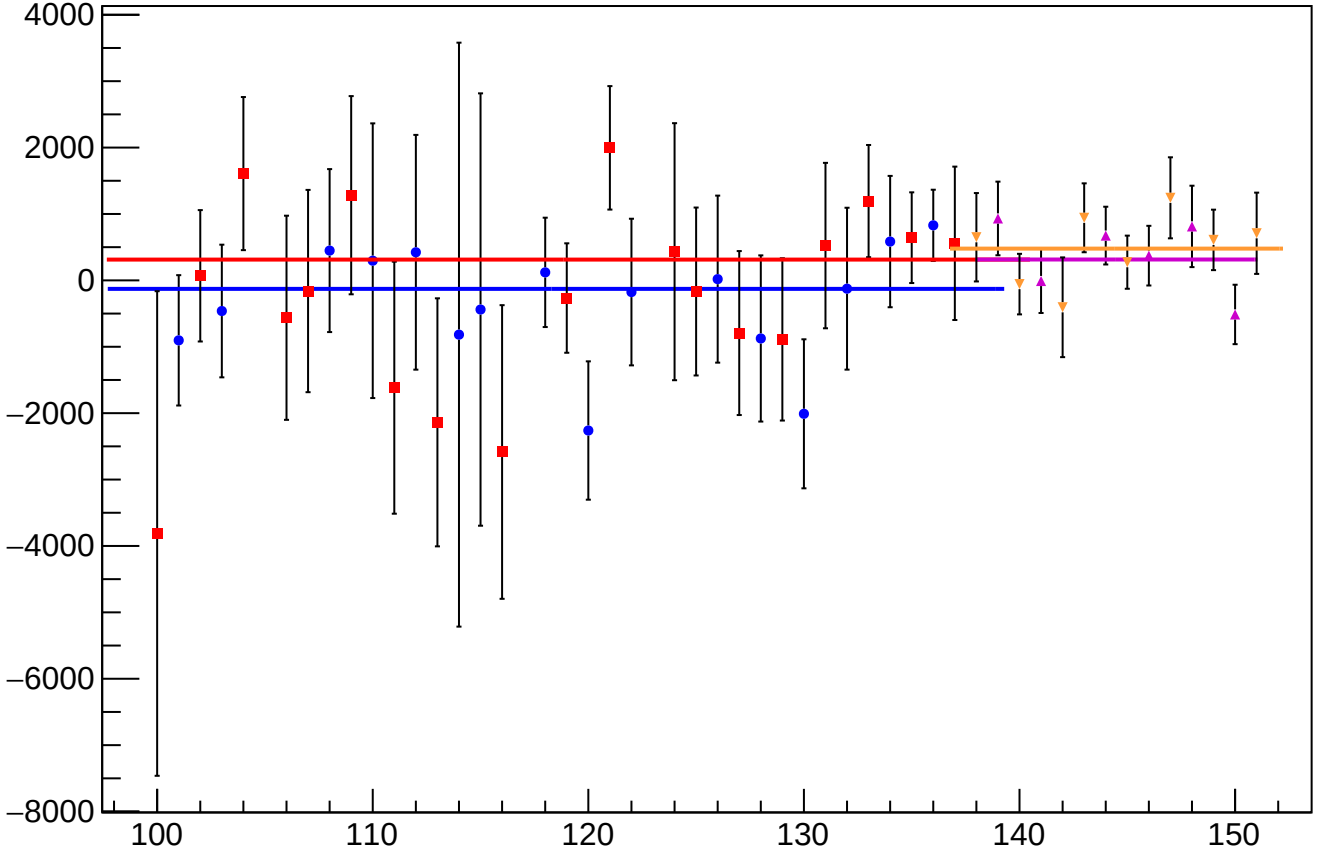
Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 80.603+/-0.025 χ^2/NDF:205409.2/5

+ sign 92.543+/-0.018 χ^2/NDF: 1064804.5/23

All: 92.666+/-0.013 χ^2/NDF: 2150703.3/48

- sign 92.796+/-0.019 χ^2/NDF: 1085805.3/24



Right In: -128.056+/-268.611 χ^2/NDF: 12.3/15

Left Out: 478.334+/-185.776 χ^2/NDF:5.7/7

Right Out: 313.031+/-270.131 χ^2/NDF: 15.0/18

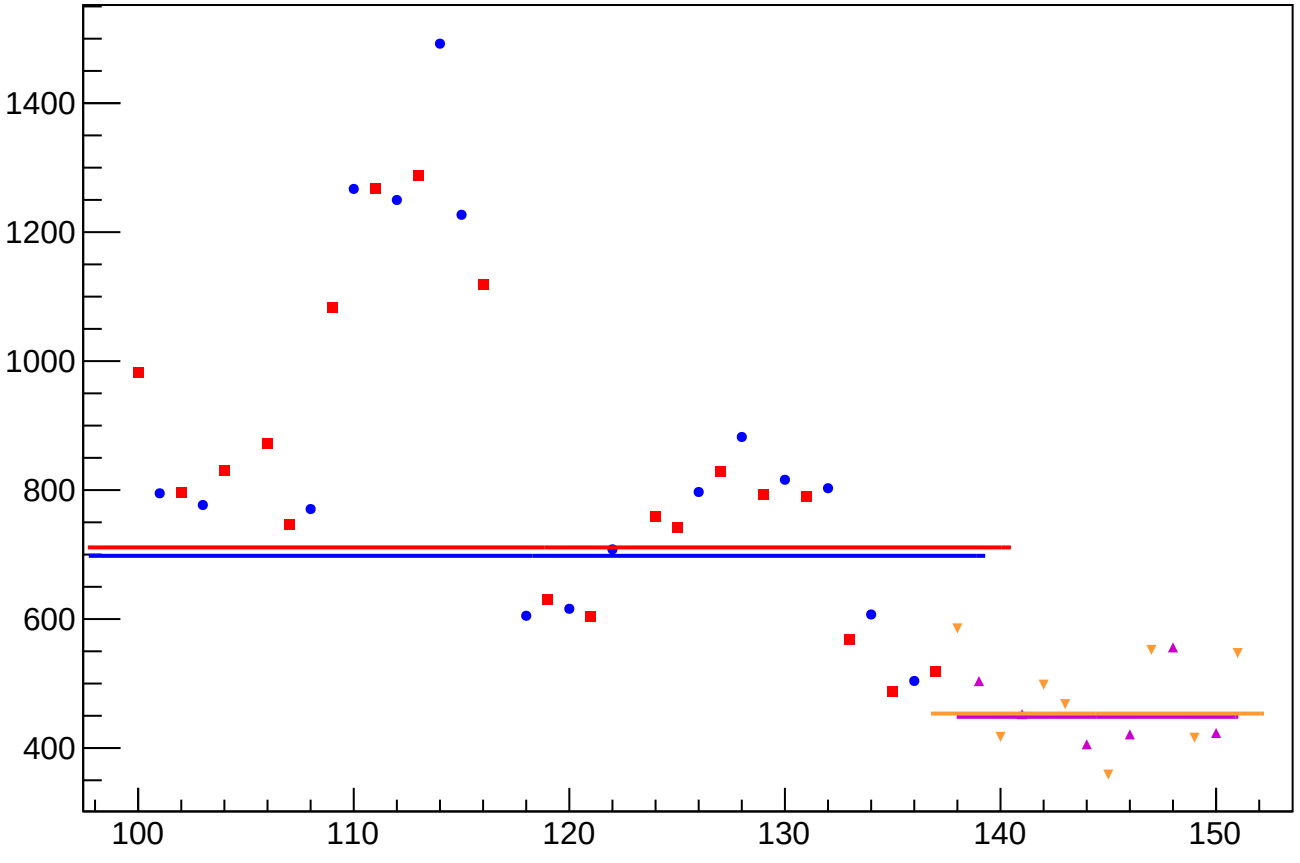
Left In: 314.325+/-198.201 χ^2/NDF:6.5/5

+ sign 282.128+/-152.793 χ^2/NDF: 21.4/23

All: 297.289+/-110.435 χ^2/NDF: 42.9/48

- sign 313.872+/-159.801 χ^2/NDF: 21.5/24

asym_sam_26_48_dd_reg_correction_rms vs Slug



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 453.475+/-0.131 χ^2/NDF:324924.3/7

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

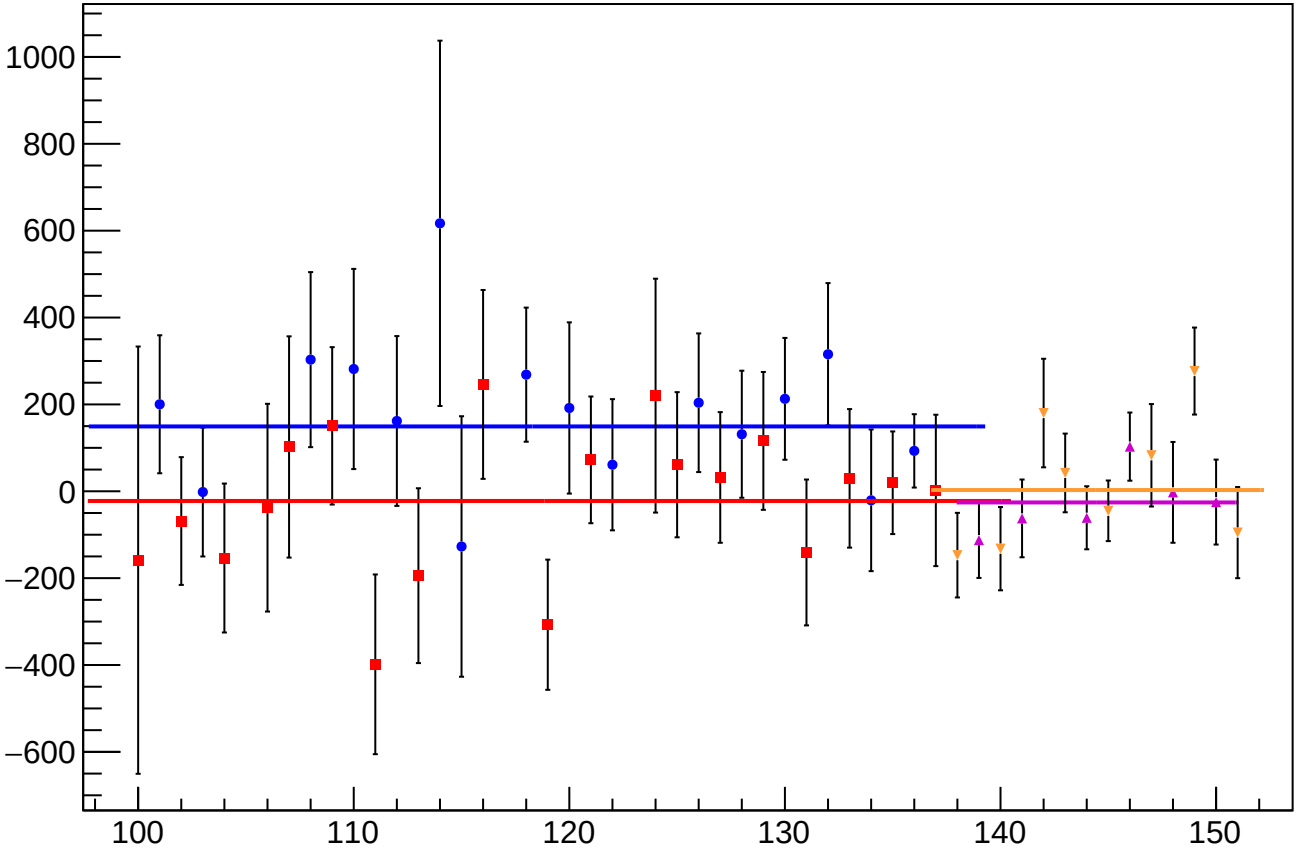
Left In: 448.421+/-0.140 χ^2/NDF:114564.7/5

+ sign 532.612+/-0.108 χ^2/NDF: 2359406.8/23

All: 536.304+/-0.078 χ^2/NDF: 4740773.9/48

- sign 540.342+/-0.113 χ^2/NDF: 2378922.2/24

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: 2.837+/-33.944 χ^2/NDF:15.8/7

Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

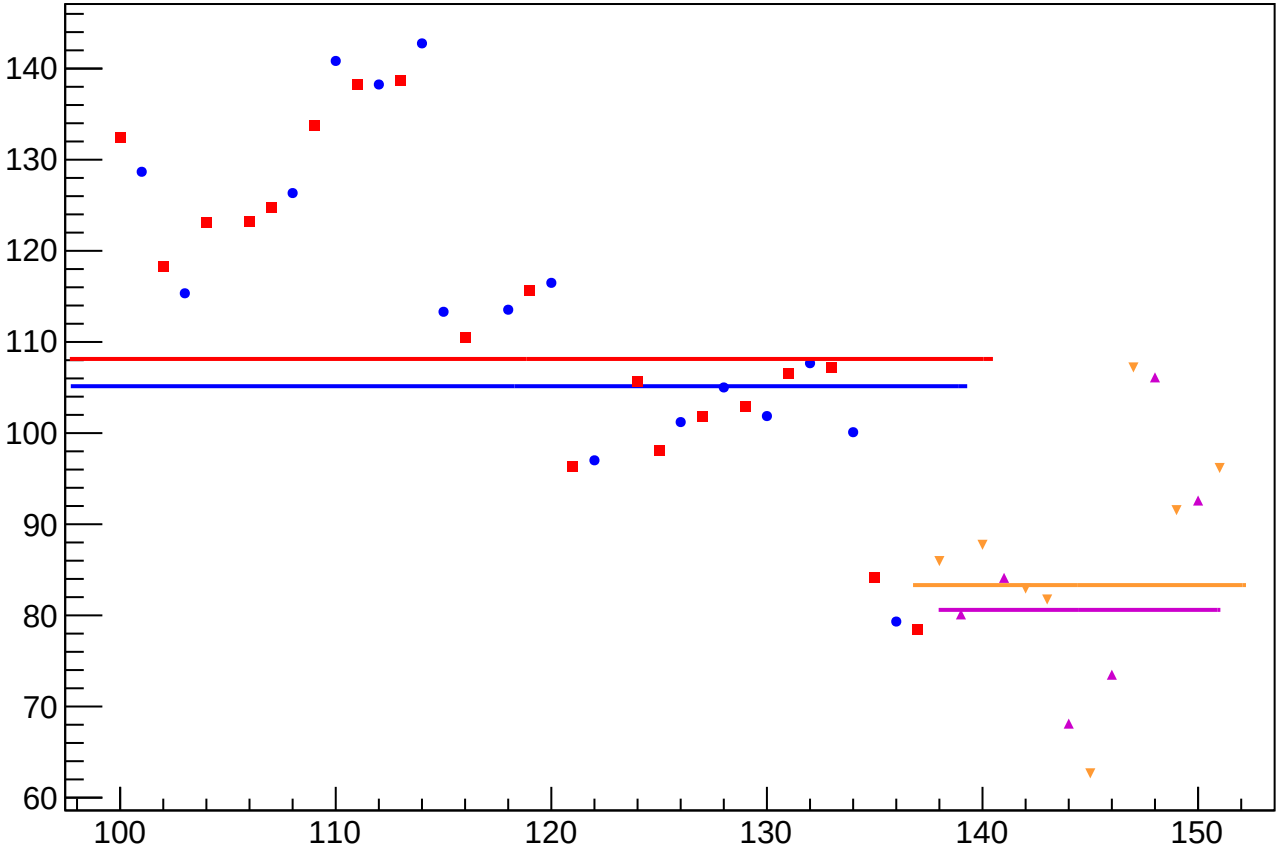
Left In: -25.714+/-35.640 χ^2/NDF:4.1/5

+ sign 64.712+/-25.796 χ^2/NDF: 31.7/23

All: 21.693+/-18.534 χ^2/NDF: 55.8/48

- sign -24.207+/-26.646 χ^2/NDF: 18.3/24

cor_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 83.323+/-0.024 χ^2/NDF:307143.4/7

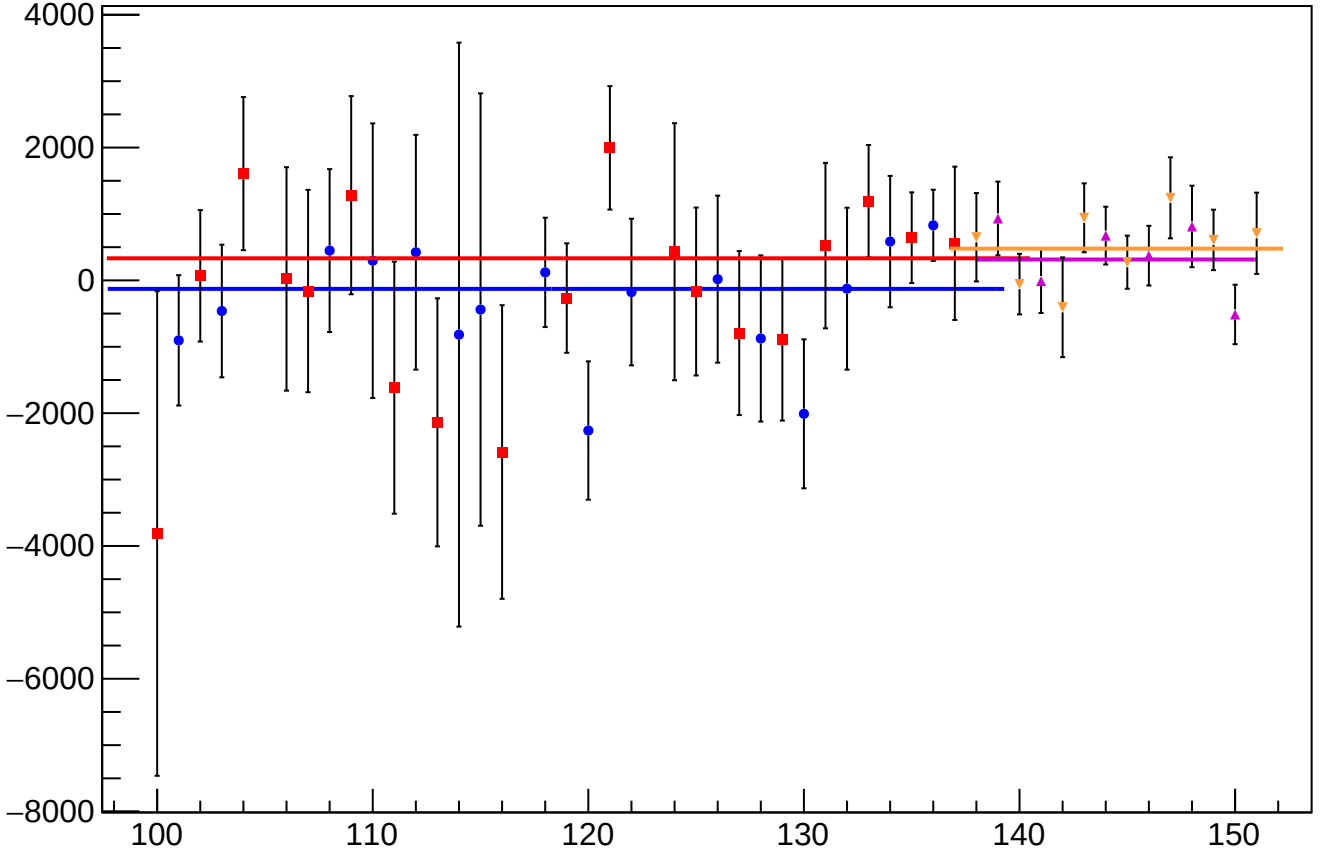
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 80.603+/-0.025 χ^2/NDF:205409.2/5

+ sign 92.543+/-0.018 χ^2/NDF: 1064804.8/23

All: 92.641+/-0.013 χ^2/NDF: 2143037.4/48

- sign 92.746+/-0.019 χ^2/NDF: 1078172.3/24



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 478.334+/-185.776 χ^2/NDF:5.7/7

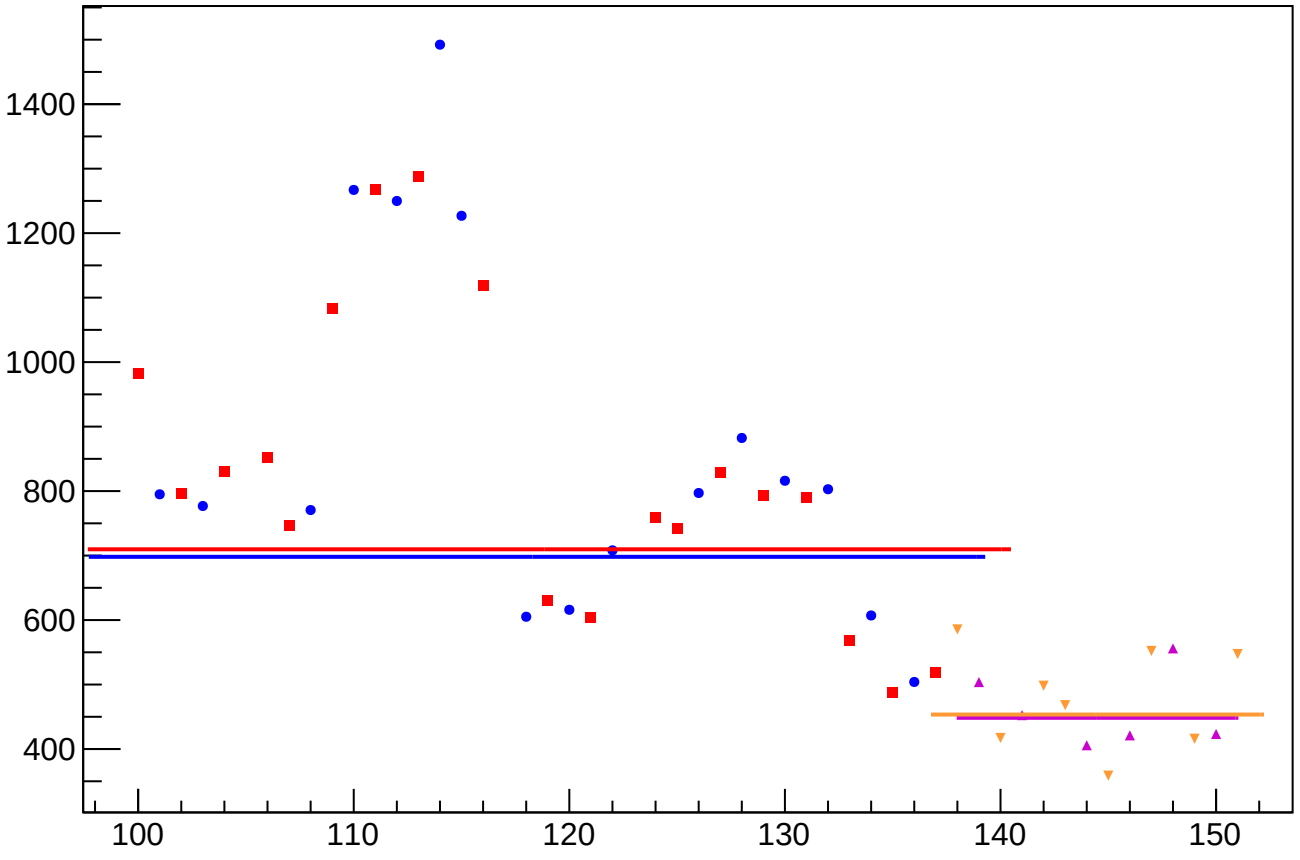
Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: 314.326+/-198.201 χ^2/NDF:6.5/5

+ sign 282.132+/-152.793 χ^2/NDF: 21.4/23

All: 300.545+/-110.483 χ^2/NDF: 42.6/48

- sign 320.722+/-159.946 χ^2/NDF: 21.2/24



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 453.475+/-0.131 χ^2/NDF:324926.1/7

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

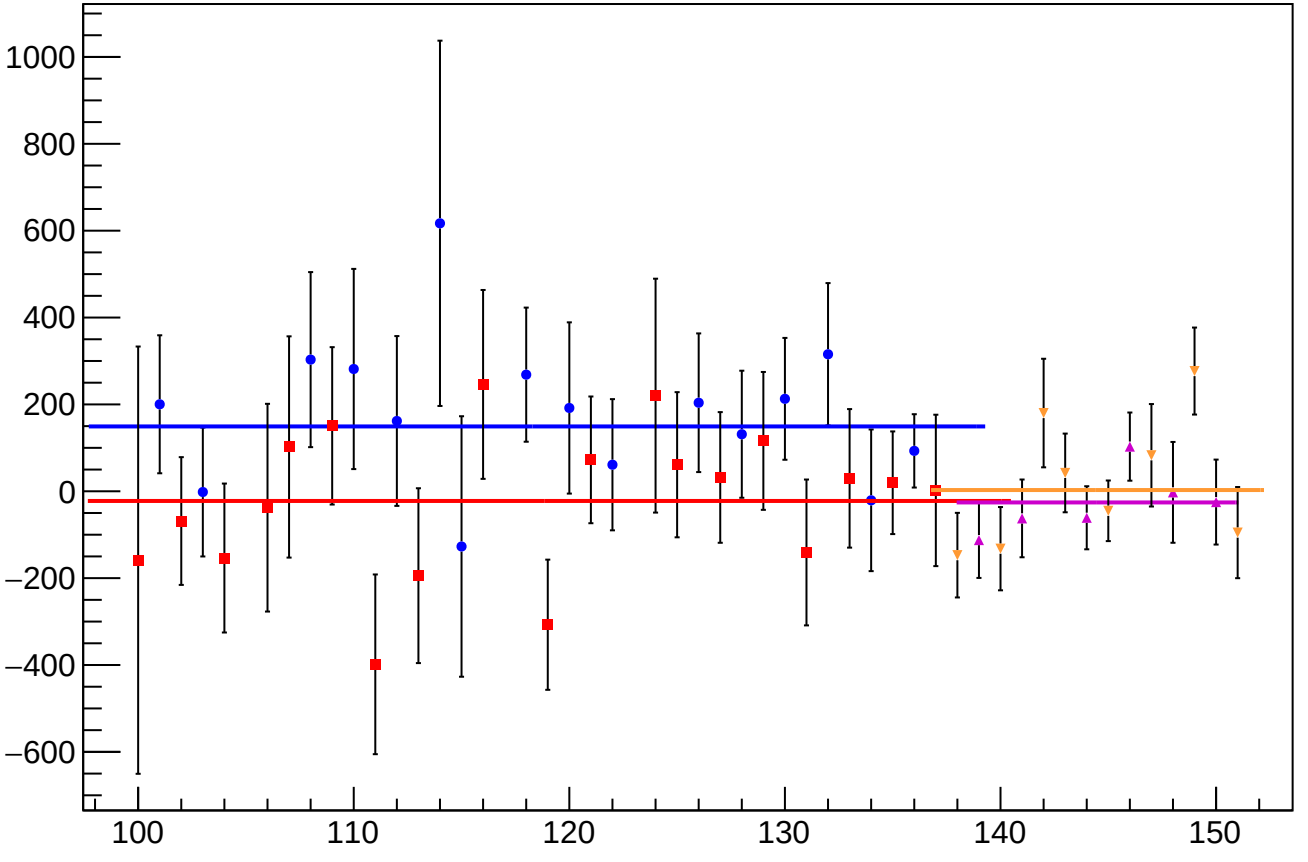
Left In: 448.421+/-0.140 χ^2/NDF:114563.2/5

+ sign 532.612+/-0.108 χ^2/NDF: 2359420.3/23

All: 535.929+/-0.078 χ^2/NDF: 4715690.8/48

- sign 539.564+/-0.113 χ^2/NDF: 2354295.0/24

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: 2.837+/-33.944 χ^2/NDF:15.8/7

Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

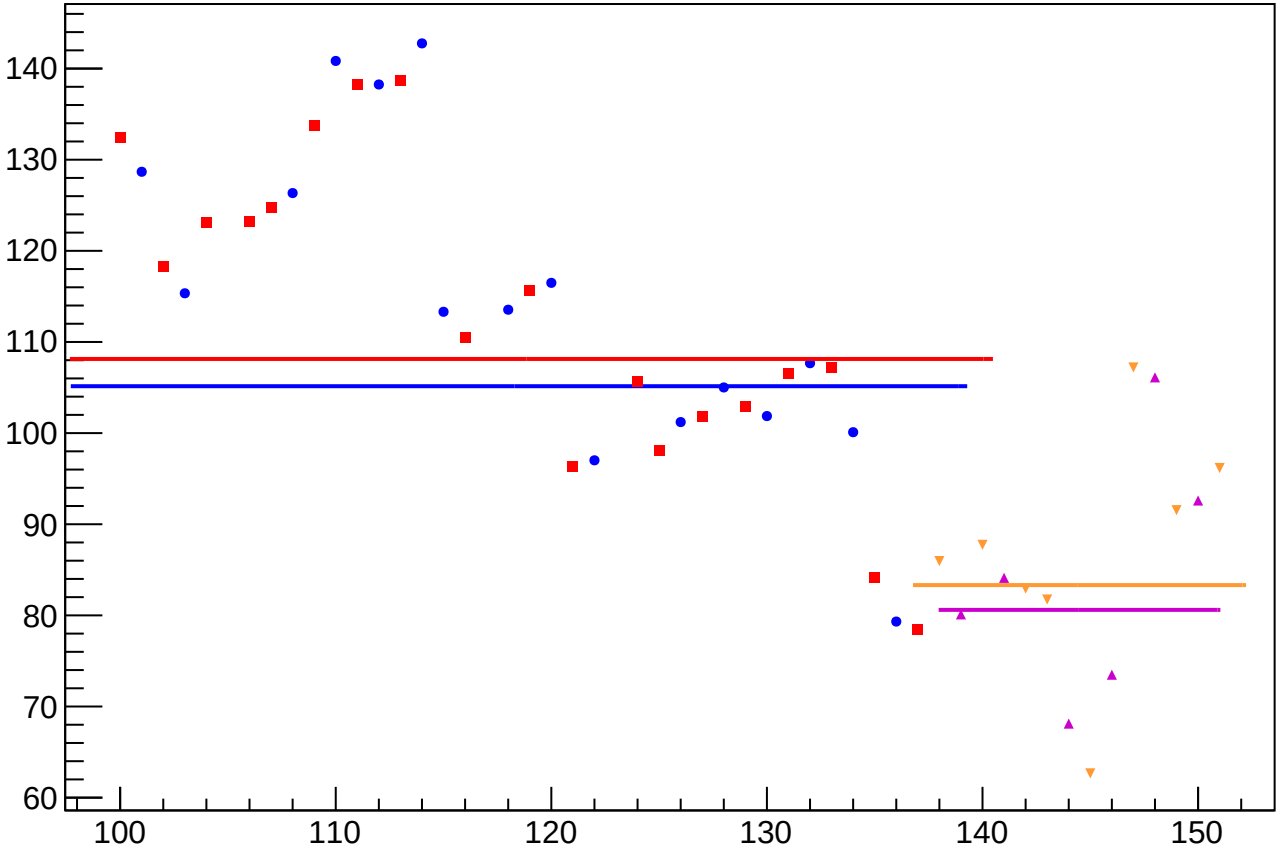
Left In: -25.714+/-35.640 χ^2/NDF:4.1/5

+ sign 64.712+/-25.796 χ^2/NDF: 31.7/23

All: 21.693+/-18.534 χ^2/NDF: 55.8/48

- sign -24.207+/-26.646 χ^2/NDF: 18.3/24

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 83.323+/-0.024 χ^2/NDF:307143.4/7

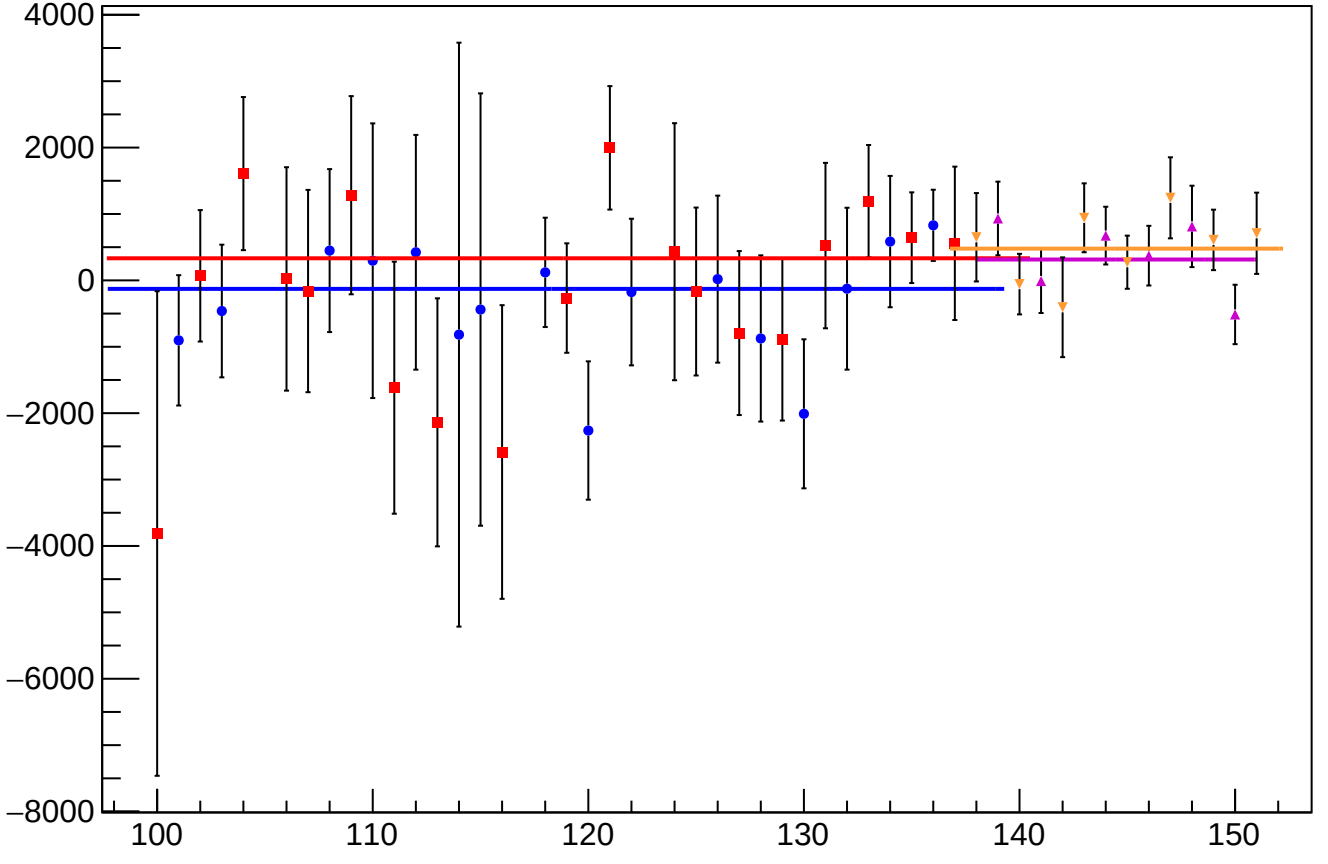
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 80.603+/-0.025 χ^2/NDF:205409.2/5

+ sign 92.543+/-0.018 χ^2/NDF: 1064804.8/23

All: 92.641+/-0.013 χ^2/NDF: 2143037.4/48

- sign 92.746+/-0.019 χ^2/NDF: 1078172.3/24



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 478.334+/-185.776 χ^2/NDF:5.7/7

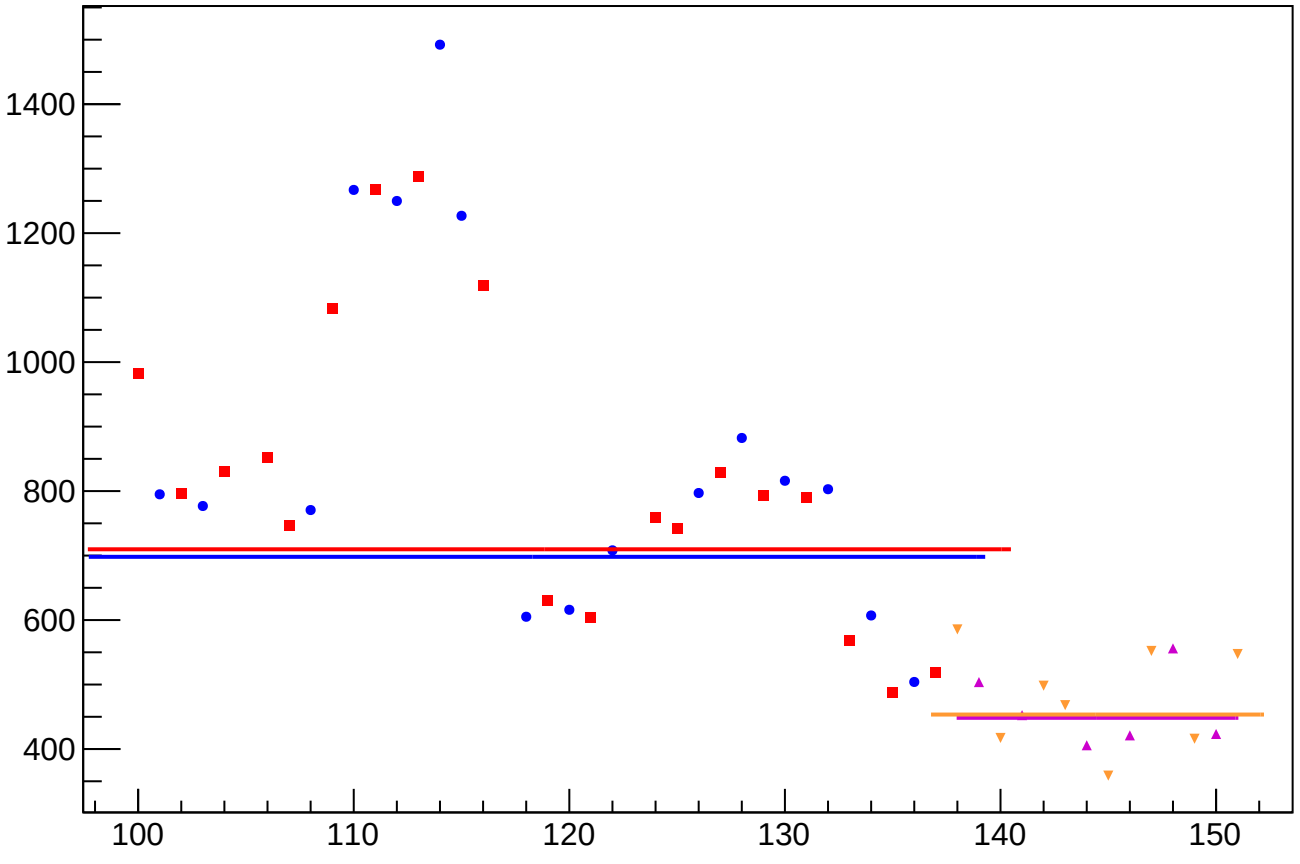
Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: 314.326+/-198.201 χ^2/NDF:6.5/5

+ sign 282.132+/-152.793 χ^2/NDF: 21.4/23

All: 300.545+/-110.483 χ^2/NDF: 42.6/48

- sign 320.722+/-159.946 χ^2/NDF: 21.2/24



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 453.475+/-0.131 χ^2/NDF:324926.1/7

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

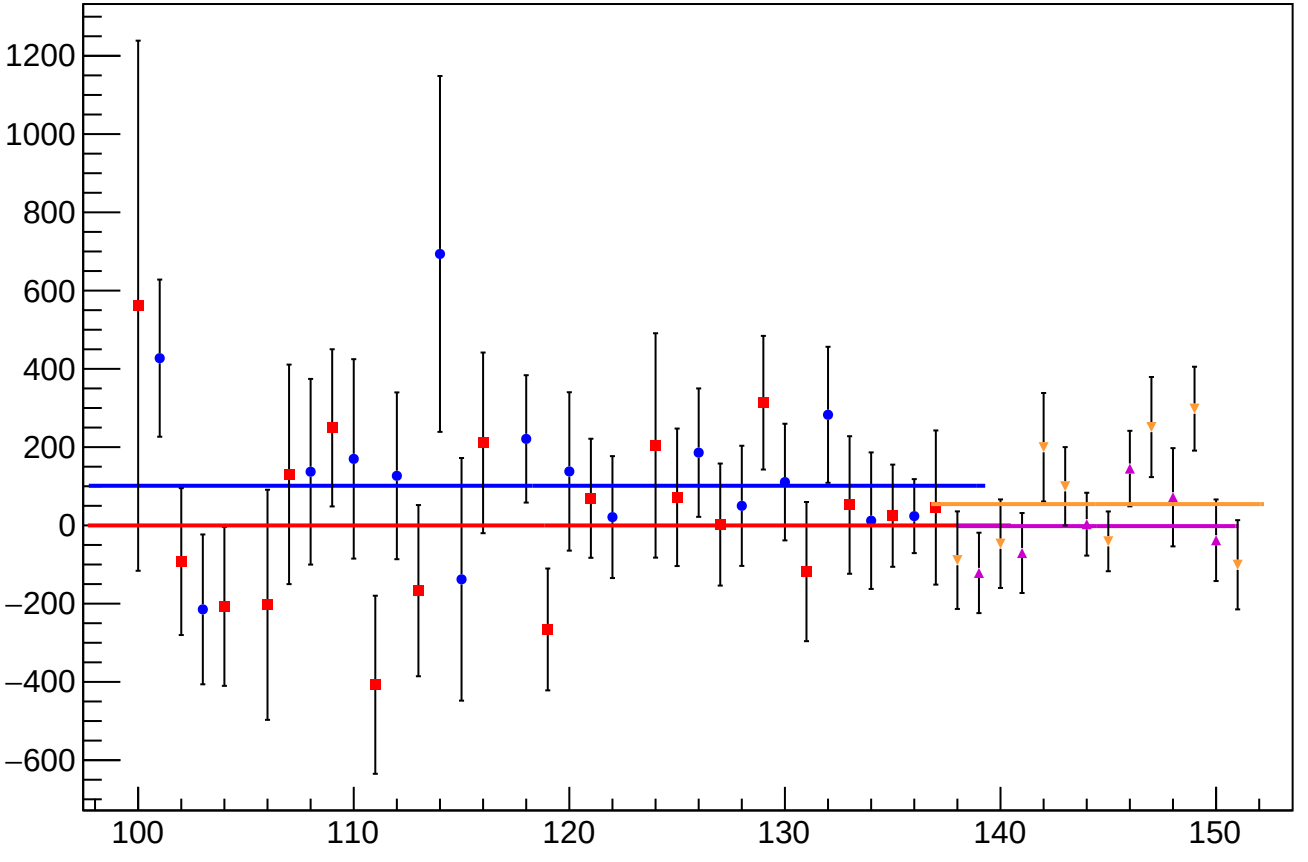
Left In: 448.421+/-0.140 χ^2/NDF:114563.2/5

\+ sign 532.612+/-0.108 χ^2/NDF: 2359420.3/23

All: 535.929+/-0.078 χ^2/NDF: 4715690.8/48

\- sign 539.564+/-0.113 χ^2/NDF: 2354295.0/24

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: 54.375+/-38.053 χ^2/NDF:14.4/7

Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

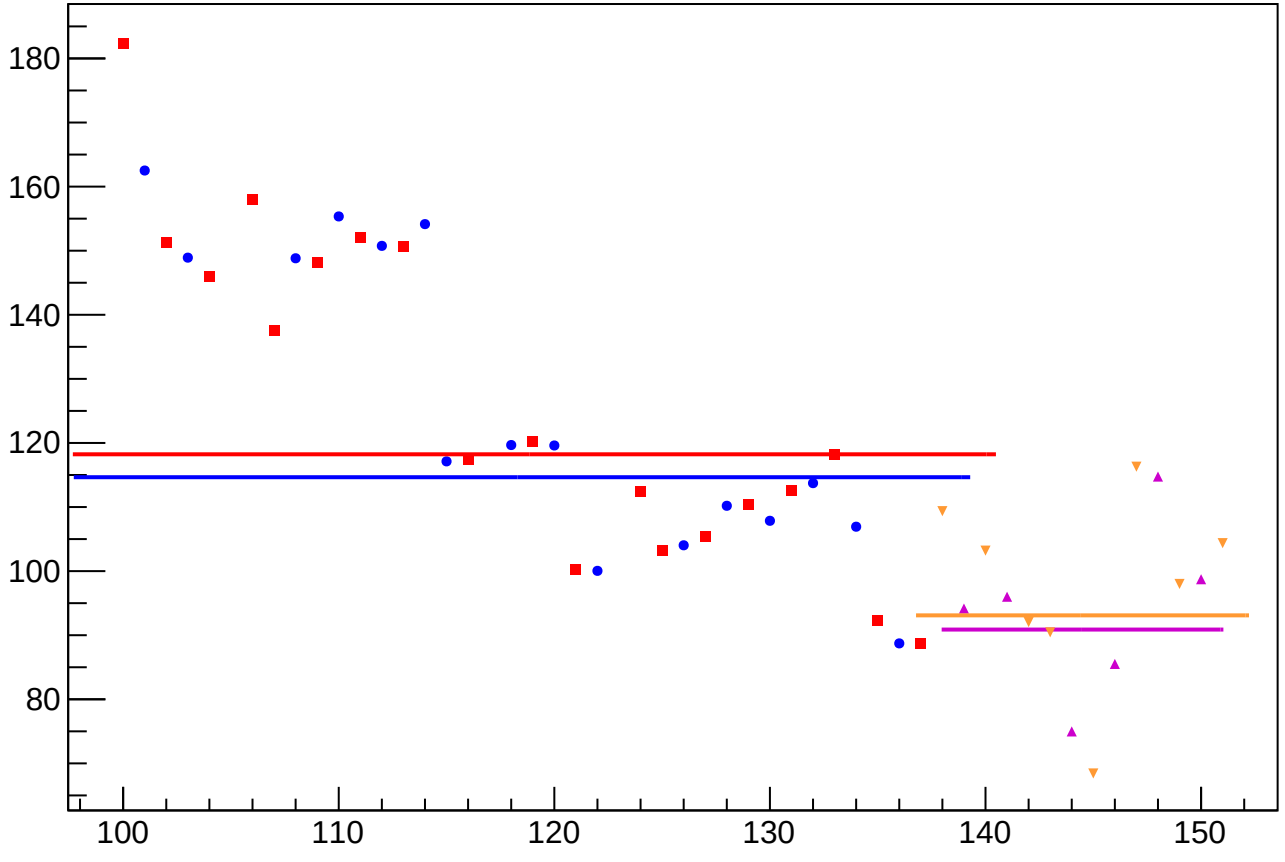
Left In: -1.835+/-40.539 χ^2/NDF:4.6/5

+ sign 74.704+/-28.644 χ^2/NDF: 26.0/23

All: 38.356+/-20.659 χ^2/NDF: 50.6/48

- sign -1.050+/-29.825 χ^2/NDF: 21.2/24

dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 93.098+/-0.027 χ^2/NDF:349572.4/7

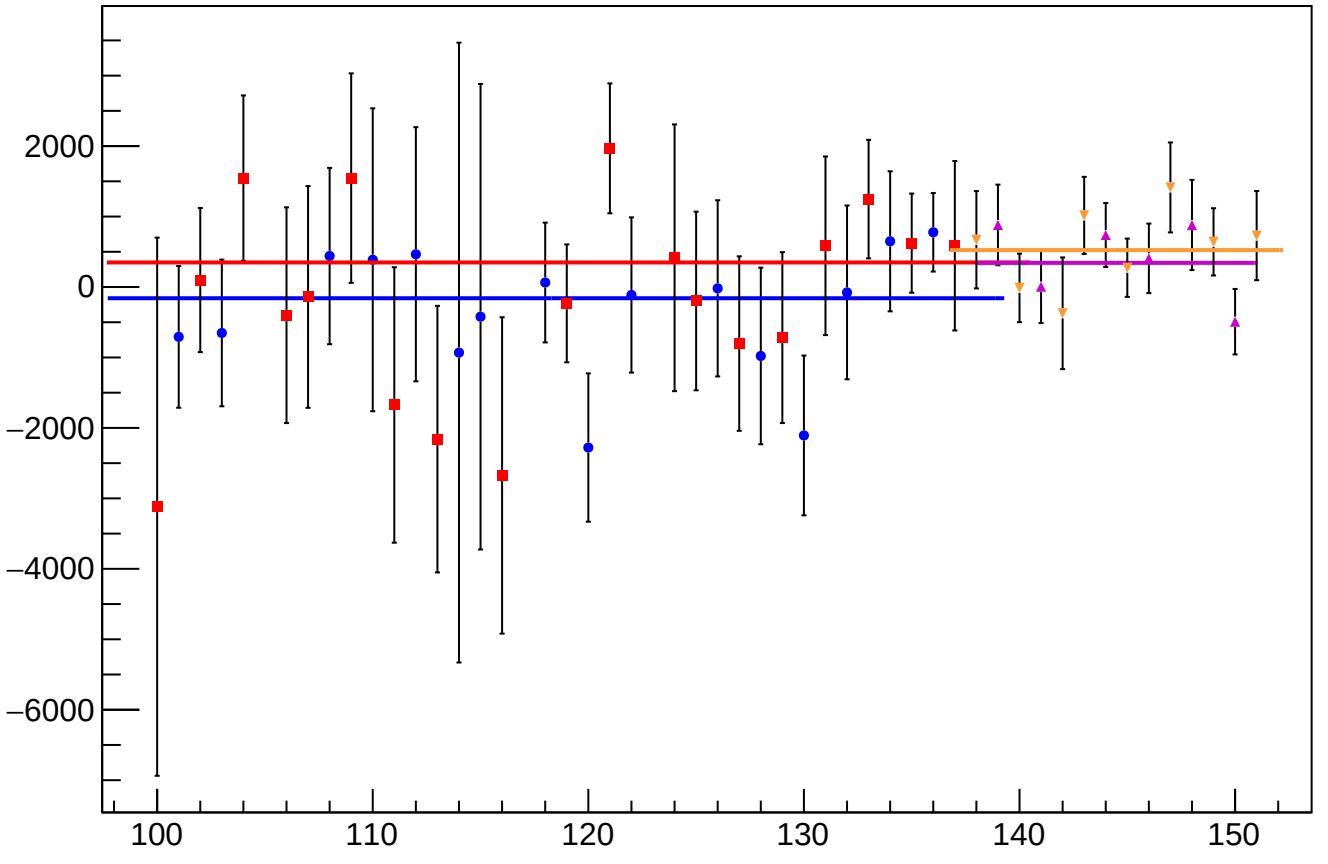
Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 90.881+/-0.029 χ^2/NDF:175270.0/5

+ sign 102.441+/-0.020 χ^2/NDF: 1159711.2/23

All: 102.914+/-0.015 χ^2/NDF: 2237112.8/48

- sign 103.427+/-0.021 χ^2/NDF: 1076263.1/24



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 524.093+/-194.460 χ^2/NDF:5.8/7

Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

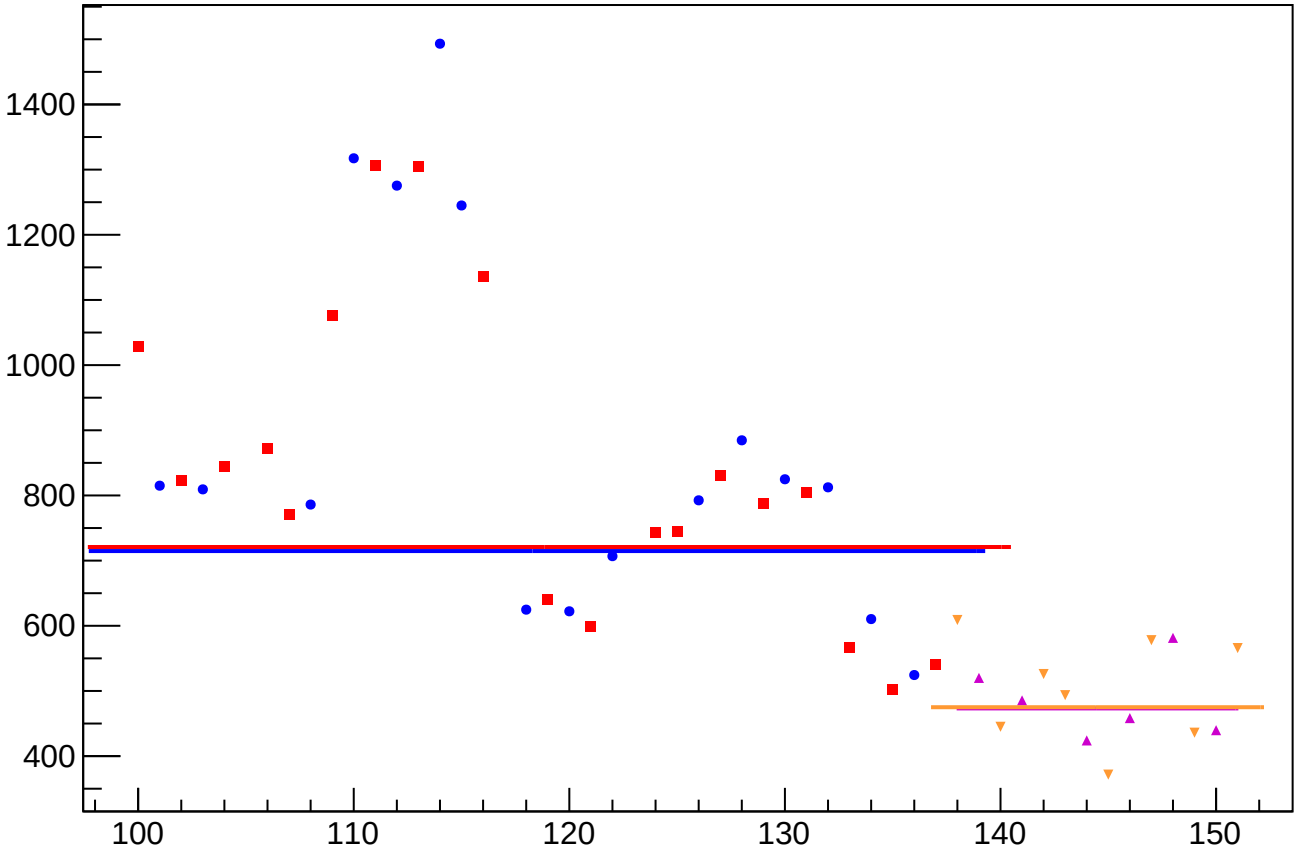
Left In: 342.764+/-209.332 χ^2/NDF:6.0/5

+ sign 295.861+/-158.689 χ^2/NDF: 21.9/23

All: 319.236+/-114.790 χ^2/NDF: 42.3/48

- sign 344.892+/-166.252 χ^2/NDF: 20.3/24

asym_sam_26_48_dd_dit_correction_rms vs Slug



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 475.038+/-0.138 χ^2/NDF:324662.6/7

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

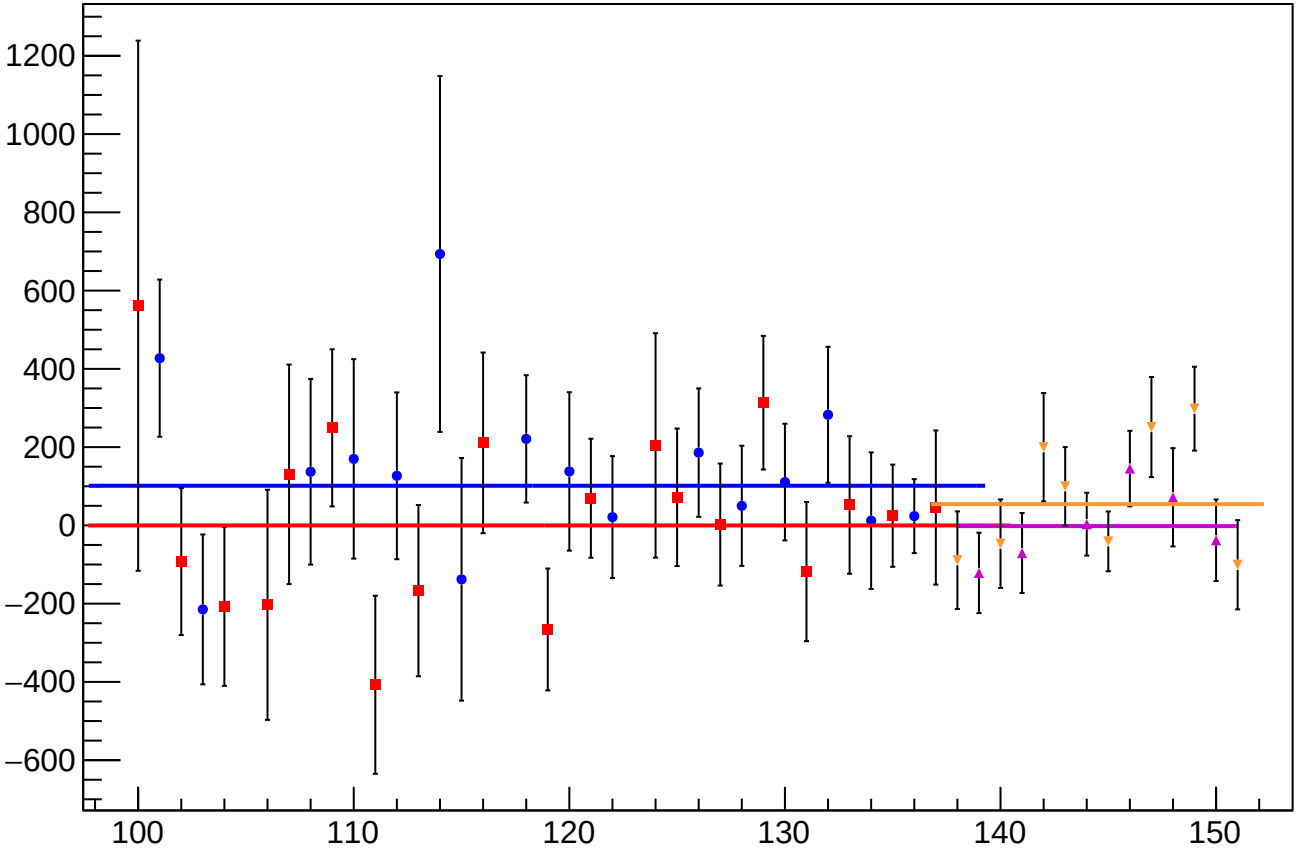
Left In: 473.200+/-0.148 χ^2/NDF:107270.5/5

\+ sign 555.089+/-0.112 χ^2/NDF: 2215425.4/23

All: 559.650+/-0.081 χ^2/NDF: 4378480.4/48

\- sign 564.656+/-0.118 χ^2/NDF: 2159589.1/24

eigen_dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: 54.374+/-38.053 χ^2/NDF:14.4/7

Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

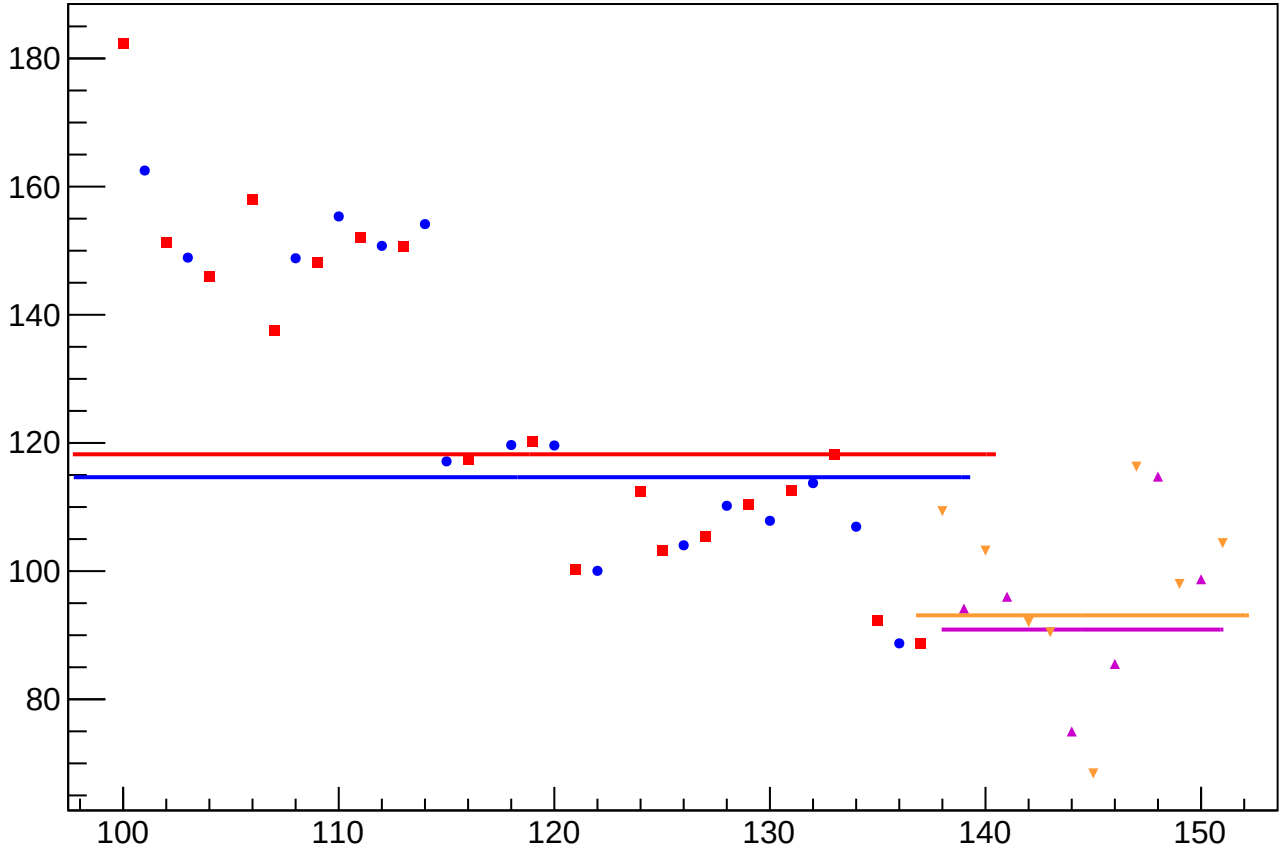
Left In: -1.834+/-40.539 χ^2/NDF:4.6/5

\+ sign 74.703+/-28.644 χ^2/NDF: 26.0/23

All: 38.356+/-20.659 χ^2/NDF: 50.6/48

\- sign -1.050+/-29.825 χ^2/NDF: 21.2/24

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 93.098+/-0.027 χ^2/NDF:349578.5/7

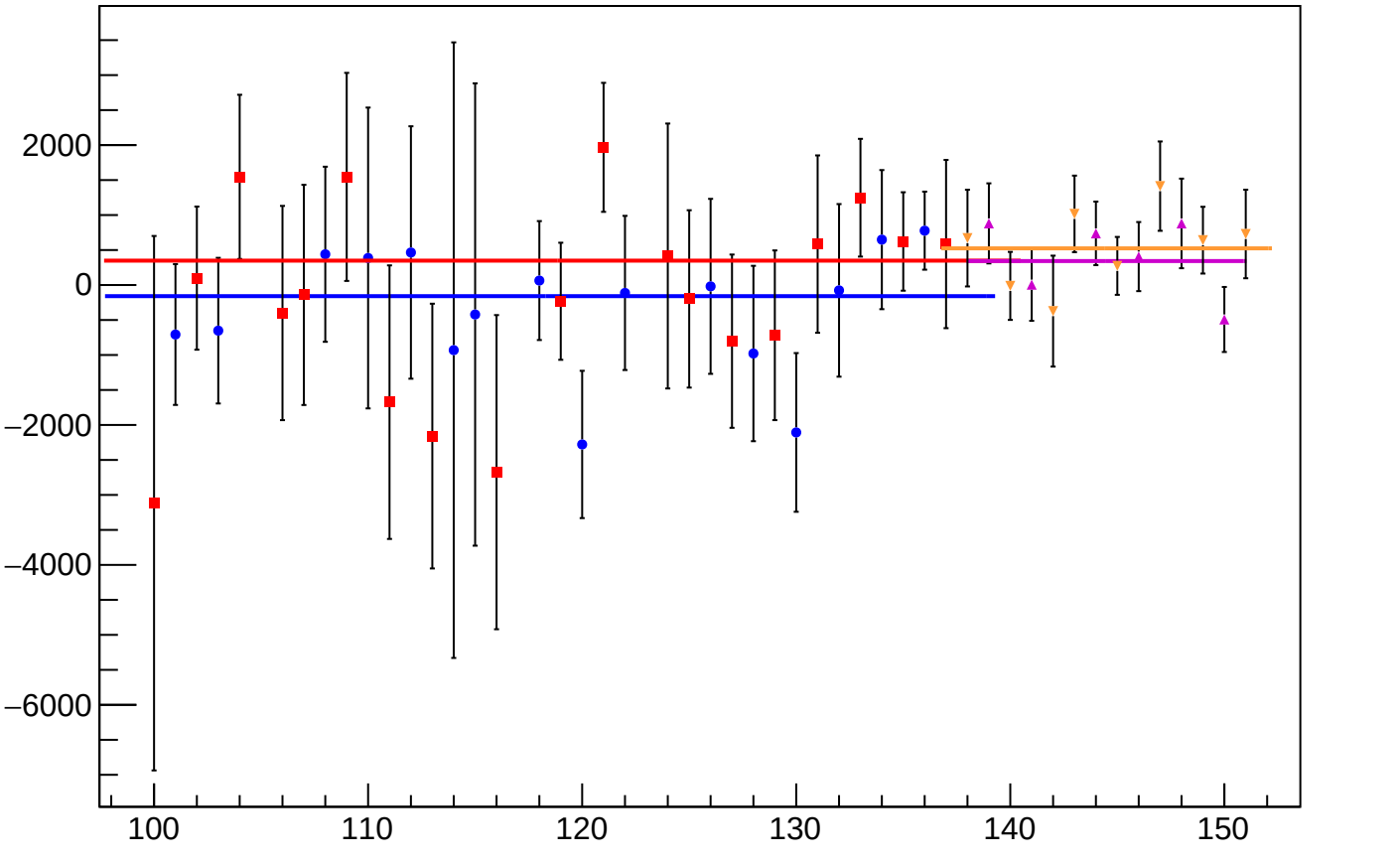
Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 90.881+/-0.029 χ^2/NDF:175271.5/5

+ sign 102.441+/-0.020 χ^2/NDF: 1159706.8/23

All: 102.914+/-0.015 χ^2/NDF: 2237099.7/48

- sign 103.427+/-0.021 χ^2/NDF: 1076254.5/24



Right In: -159.112+/-274.558 χ^2/NDF: 12.0/15

Left Out: 524.092+/-194.460 χ^2/NDF:5.8/7

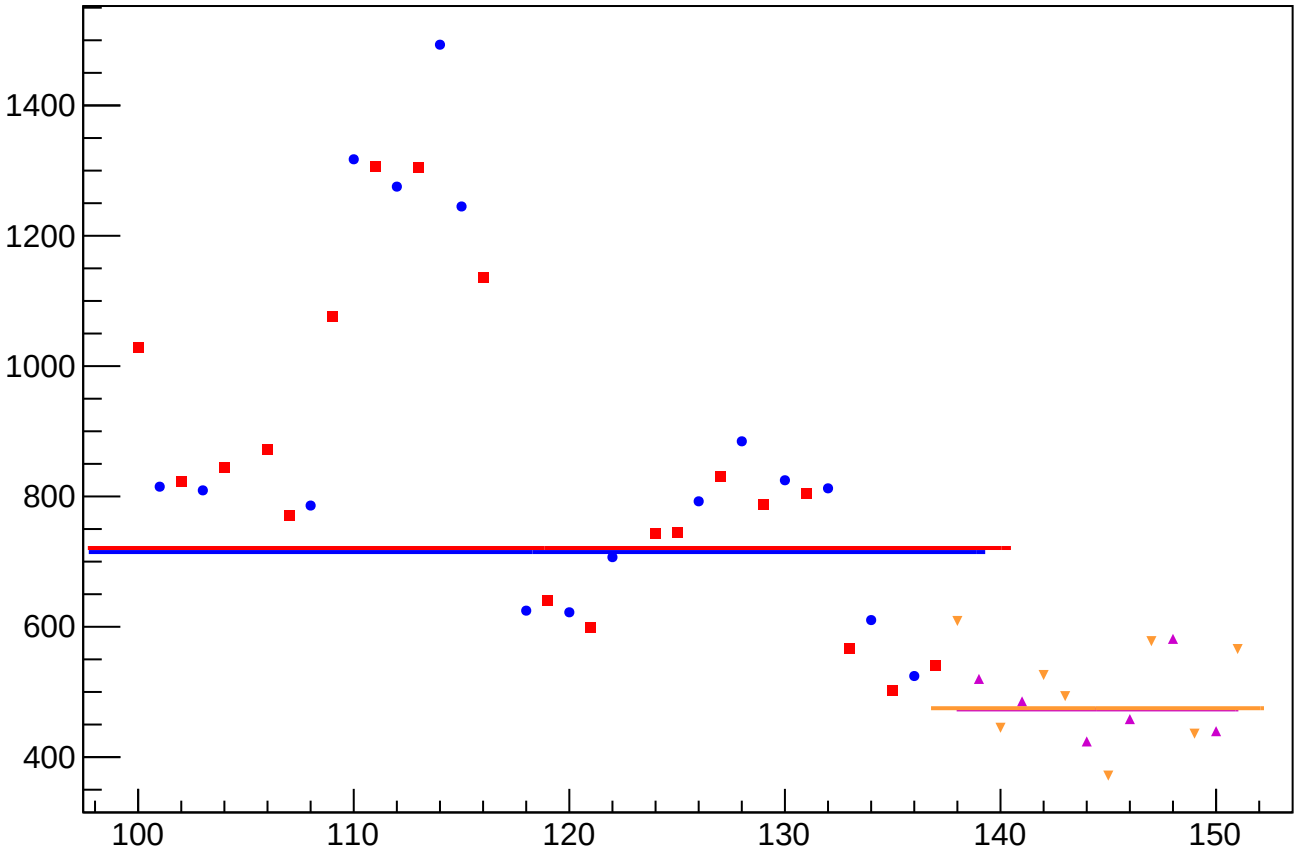
Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: 342.764+/-209.332 χ^2/NDF:6.0/5

+ sign 295.860+/-158.689 χ^2/NDF: 21.9/23

All: 319.236+/-114.791 χ^2/NDF: 42.3/48

- sign 344.893+/-166.252 χ^2/NDF: 20.3/24



Right In: 714.666+/-0.194 χ^2/NDF: 876211.4/15

Left Out: 475.039+/-0.138 χ^2/NDF:324667.1/7

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

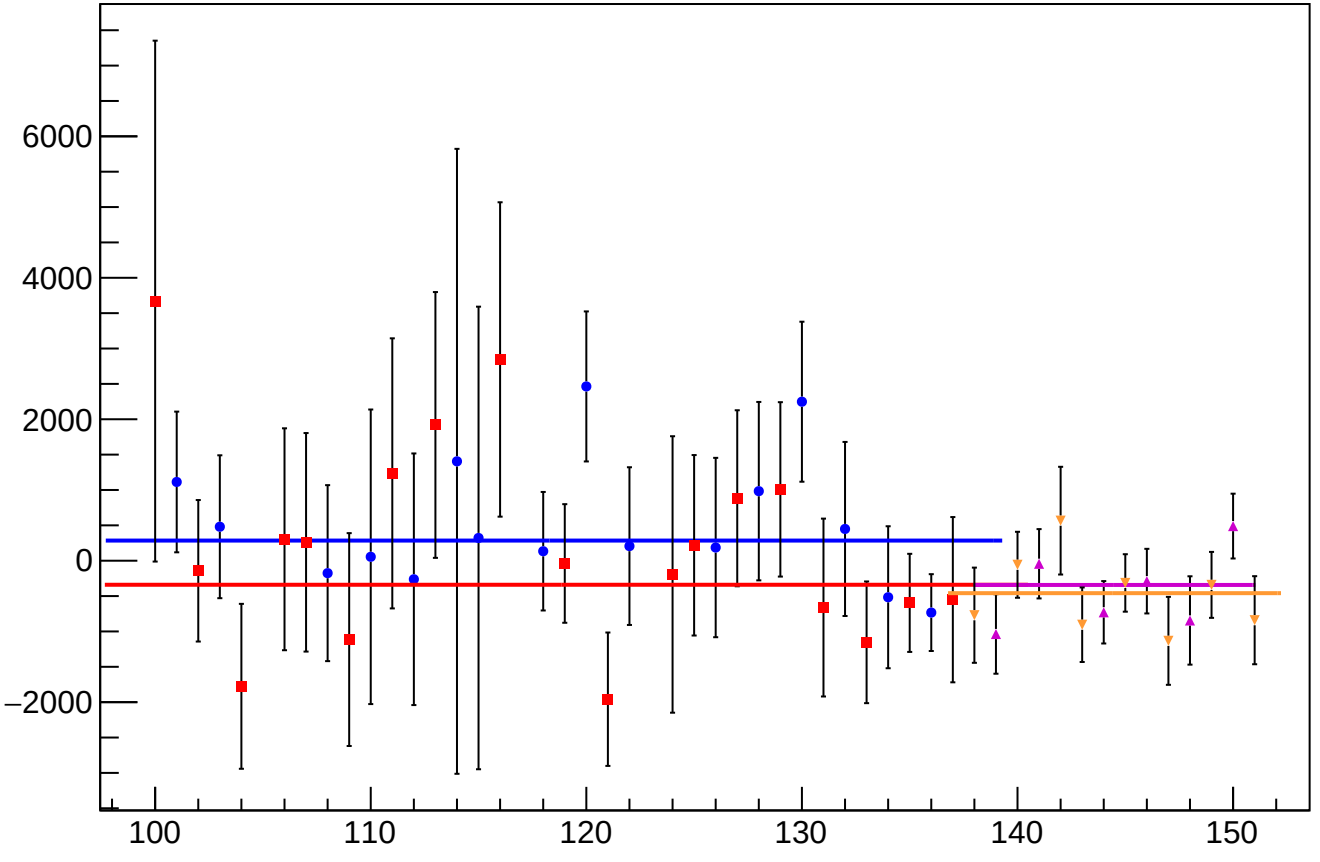
Left In: 473.201+/-0.148 χ^2/NDF:107271.4/5

\+ sign 555.089+/-0.112 χ^2/NDF: 2215422.1/23

All: 559.650+/-0.081 χ^2/NDF: 4378465.4/48

\- sign 564.657+/-0.118 χ^2/NDF: 2159577.3/24

asym_sam_26_48_dd_mean vs Slug



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -458.769+/-189.127 χ^2/NDF:5.2/7

Right Out: -340.018+/-273.601 χ^2/NDF: 14.1/18

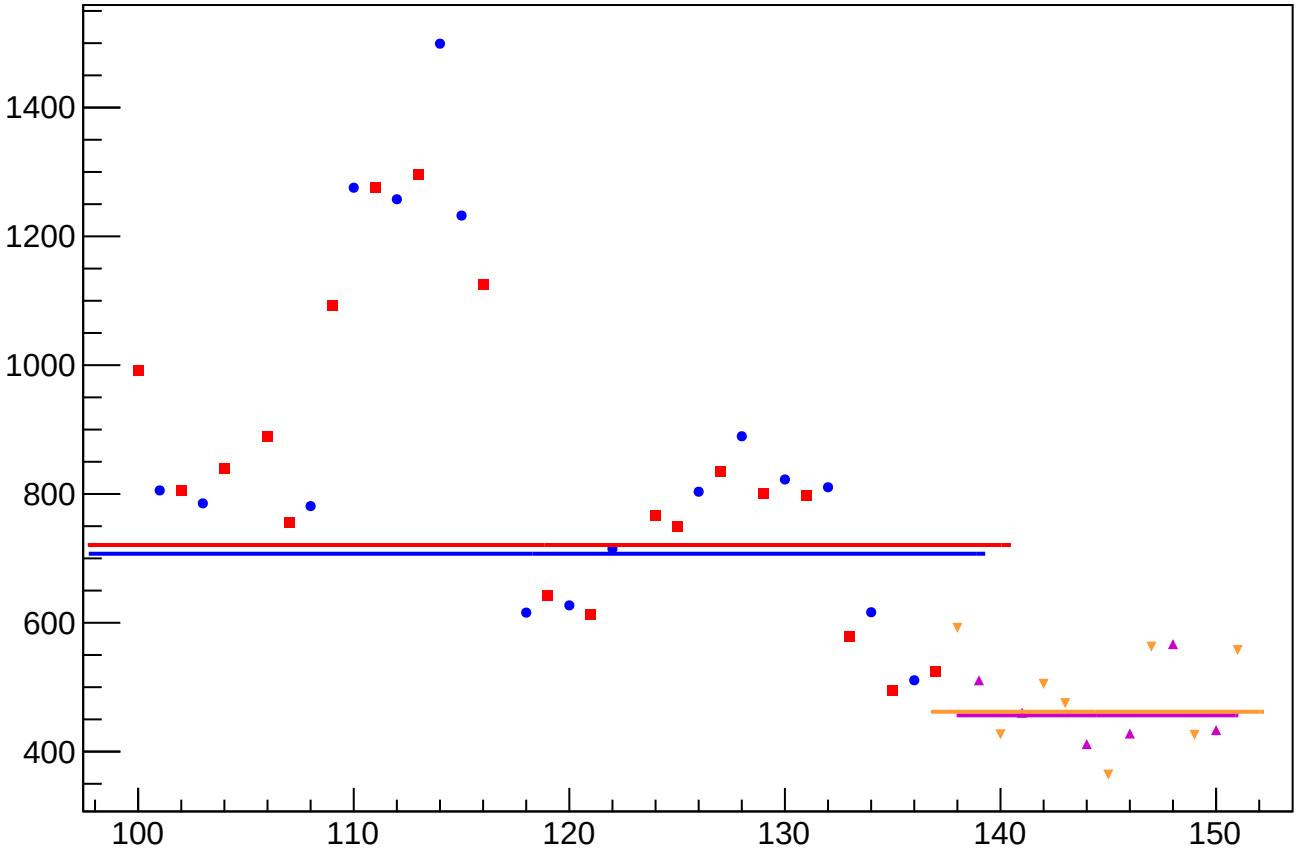
Left In: -342.714+/-201.638 χ^2/NDF:6.6/5

+ sign -216.377+/-155.269 χ^2/NDF: 23.1/23

All: -276.289+/-112.201 χ^2/NDF: 44.1/48

- sign -341.765+/-162.319 χ^2/NDF: 20.7/24

asym_sam_26_48_dd_rms vs Slug



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 461.872+/-0.134 χ^2/NDF:321347.4/7

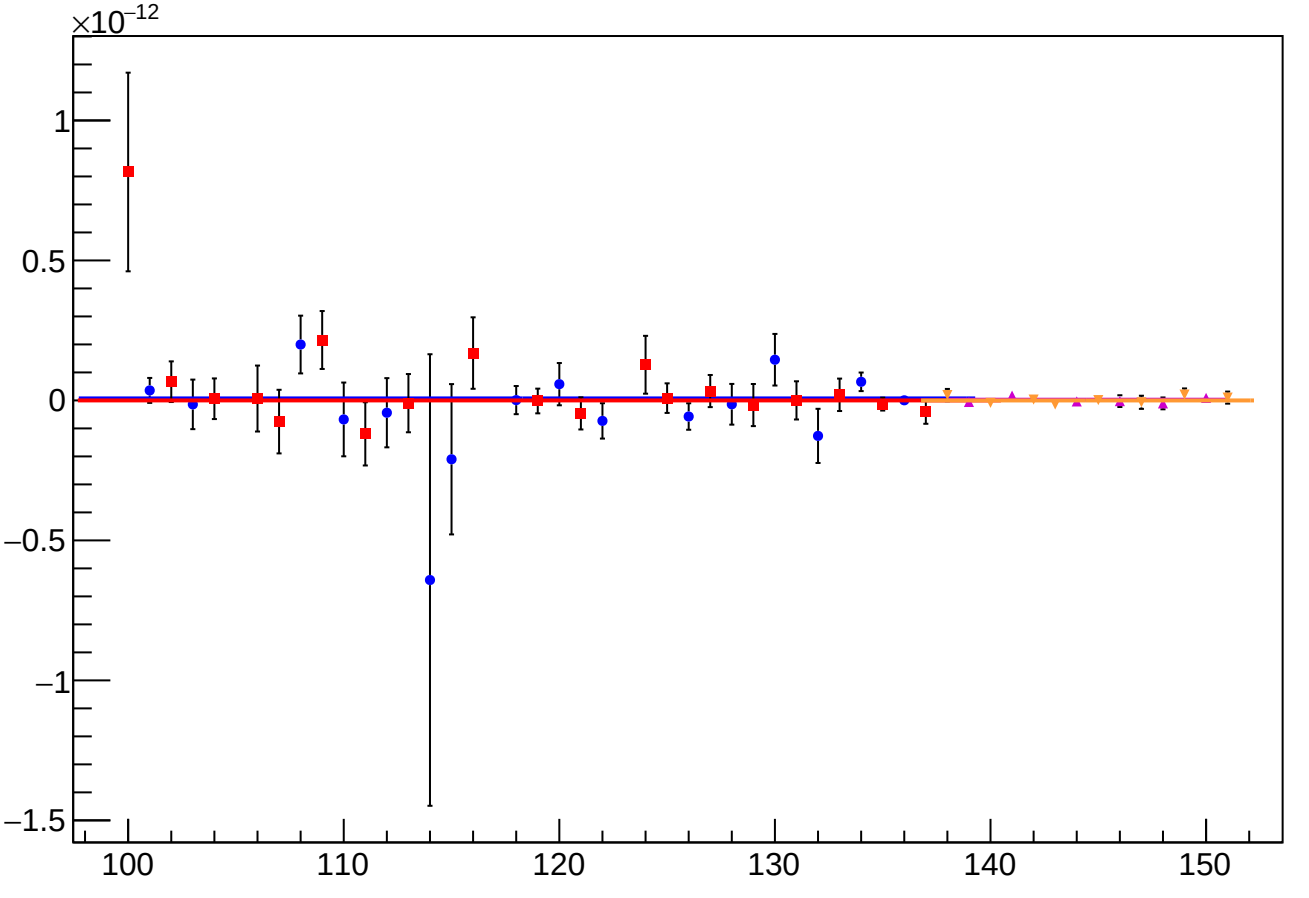
Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 456.303+/-0.143 χ^2/NDF:114704.3/5

\+ sign 541.850+/-0.110 χ^2/NDF: 2315181.2/23

All: 545.453+/-0.079 χ^2/NDF: 4658453.8/48

\- sign 549.390+/-0.115 χ^2/NDF: 2341019.3/24



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.4/7

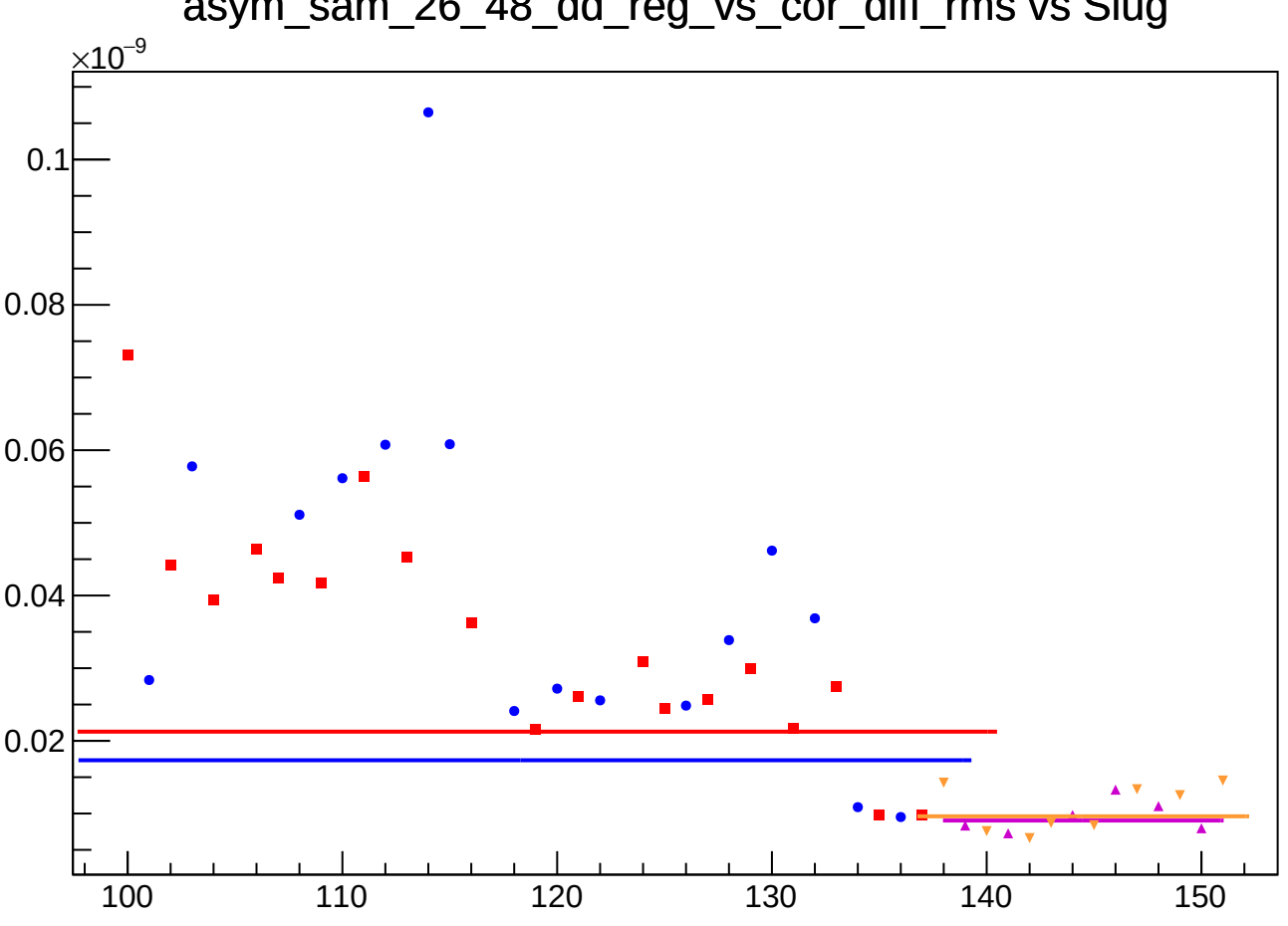
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: 0.000+/-0.000 χ^2/NDF:2.3/5

+ sign 0.000+/-0.000 χ^2/NDF: 21.0/23

All: 0.000+/-0.000 χ^2/NDF: 41.1/48

- sign 0.000+/-0.000 χ^2/NDF: 20.1/24



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:412555.6/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

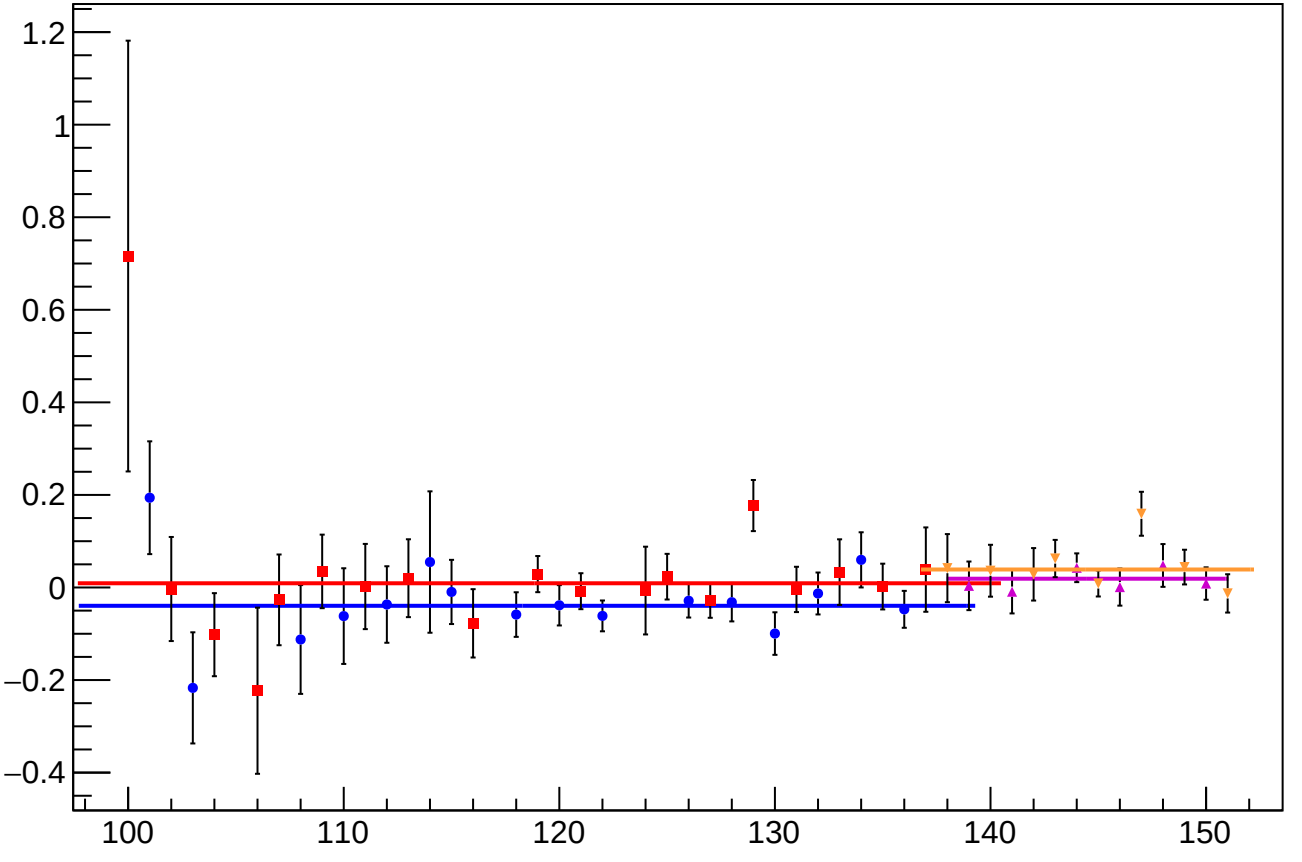
Left In: 0.000+/-0.000 χ^2/NDF:153044.2/5

+ sign 0.000+/-0.000 χ^2/NDF: 3488543.2/23

All: 0.000+/-0.000 χ^2/NDF: 6672215.8/48

- sign 0.000+/-0.000 χ^2/NDF: 3183672.3/24

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+/-0.015 χ^2/NDF:9.5/7

Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

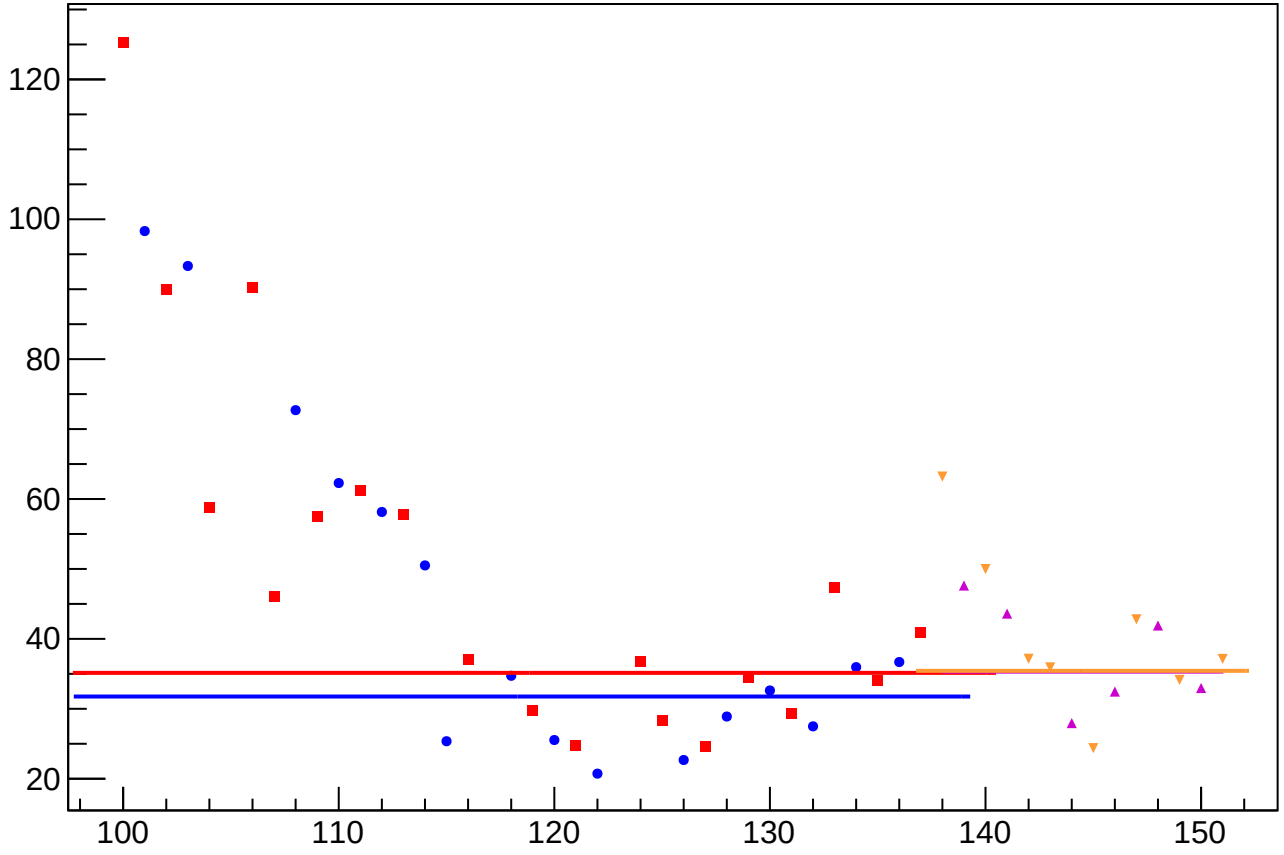
Left In: 0.019+/-0.016 χ^2/NDF:1.7/5

+ sign -0.006+/-0.010 χ^2/NDF: 37.4/23

All: 0.003+/-0.007 χ^2/NDF: 59.3/48

- sign 0.013+/-0.011 χ^2/NDF: 20.2/24

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: 35.430+/-0.011 χ^2/NDF:784377.3/7

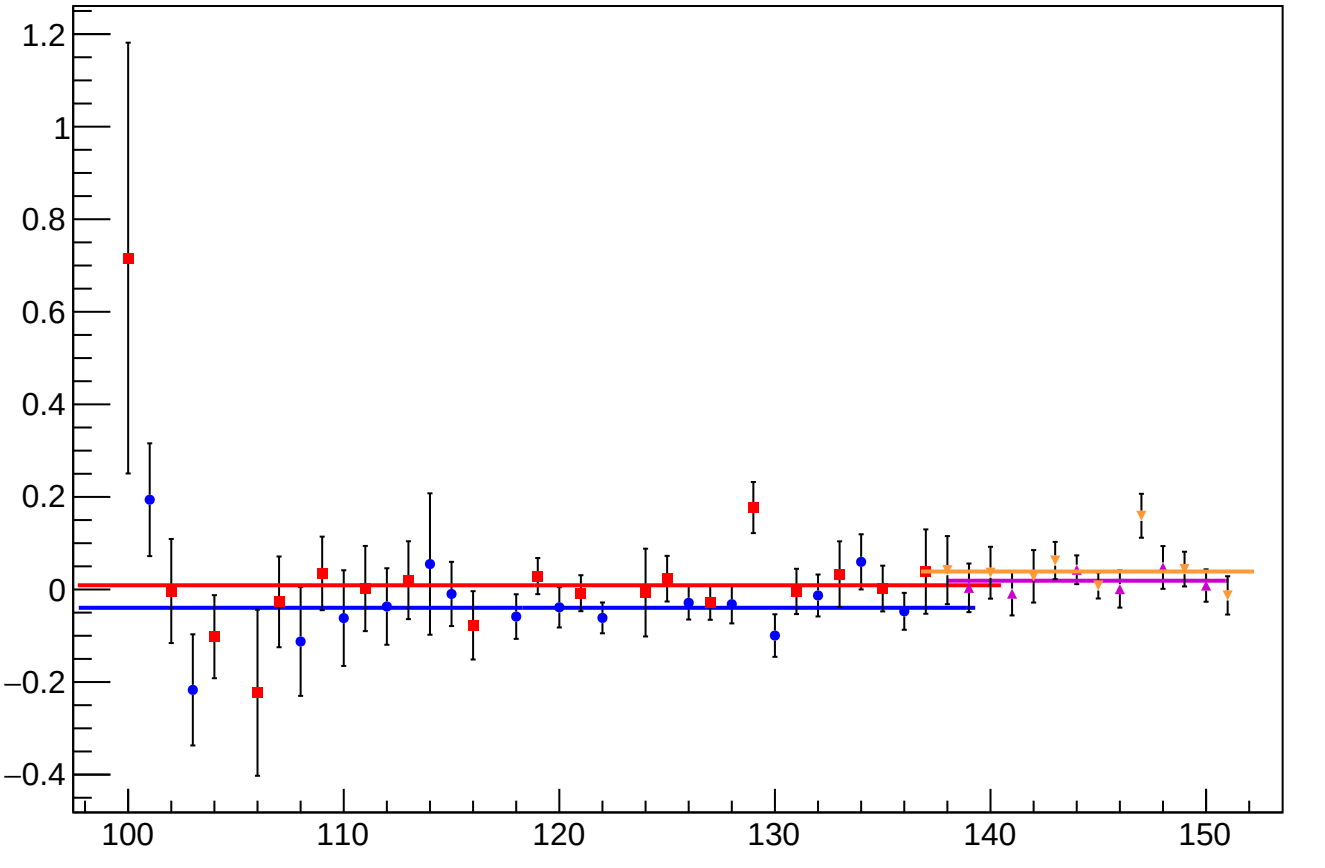
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 35.316+/-0.012 χ^2/NDF:344287.6/5

+ sign 33.351+/-0.007 χ^2/NDF: 3104475.8/23

All: 34.211+/-0.005 χ^2/NDF: 5326293.5/48

- sign 35.215+/-0.008 χ^2/NDF: 2189097.6/24



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.039+/-0.015 χ^2/NDF:9.5/7

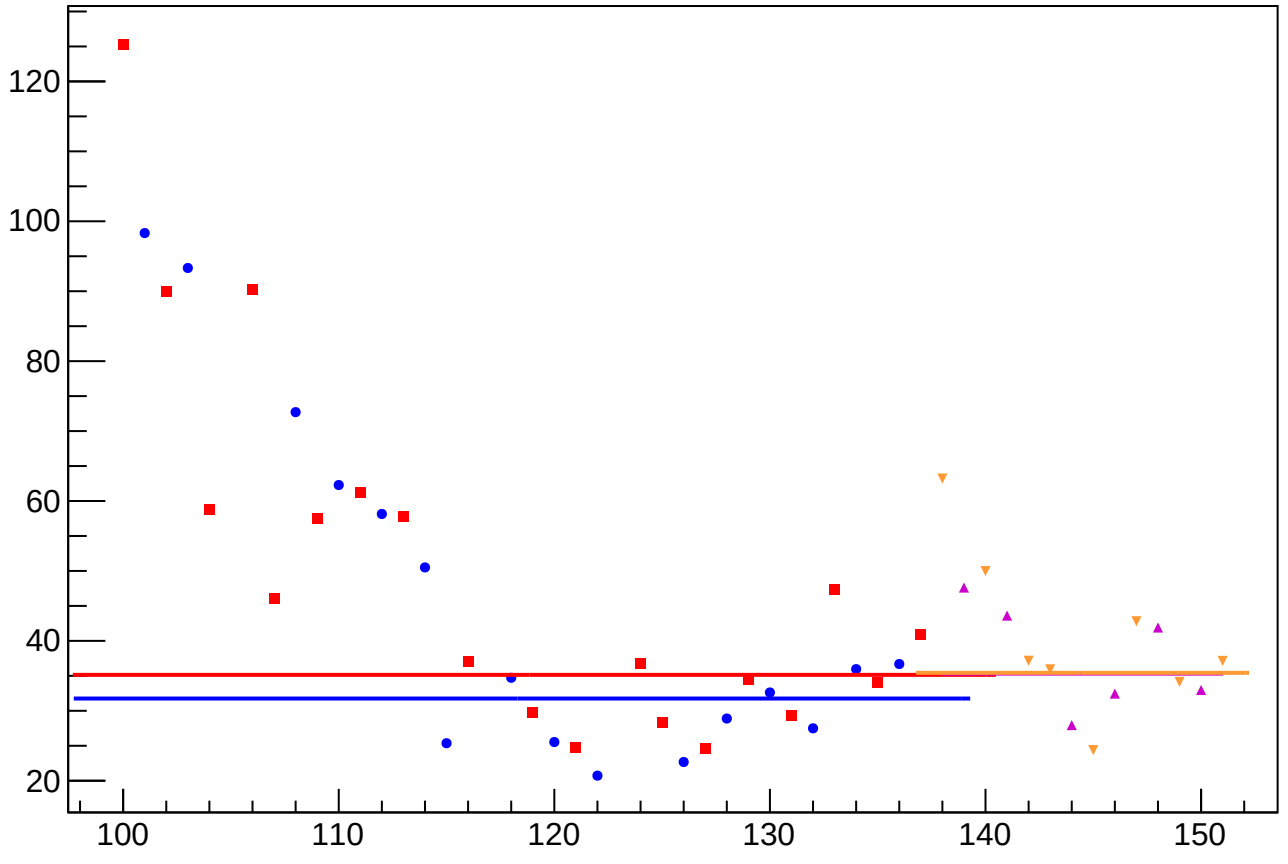
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.019+/-0.016 χ^2/NDF:1.7/5

\+ sign -0.006+/-0.010 χ^2/NDF: 37.4/23

All: 0.003+/-0.007 χ^2/NDF: 59.3/48

\- sign 0.013+/-0.011 χ^2/NDF: 20.2/24



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 35.430+/-0.011 χ^2/NDF:784377.3/7

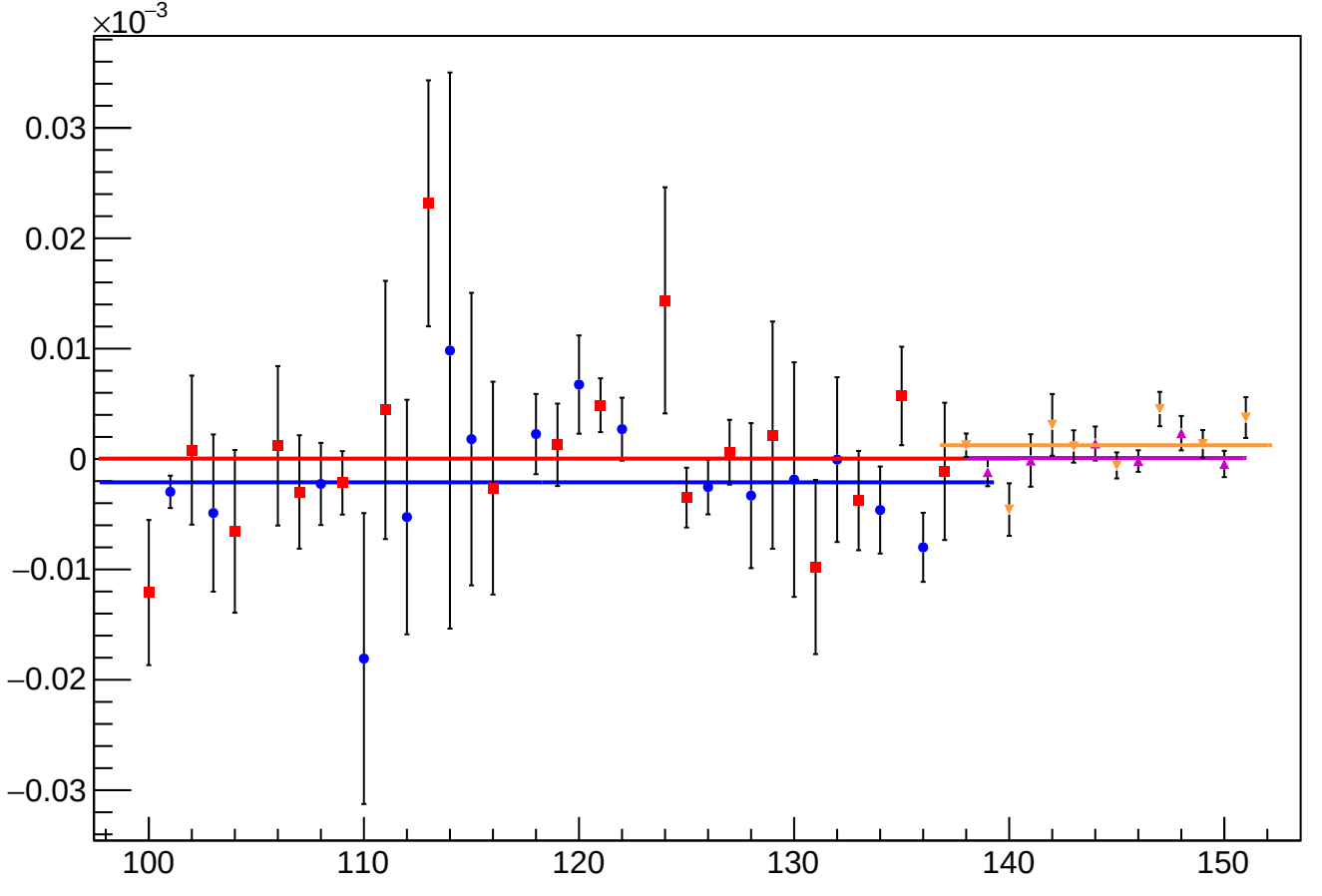
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 35.316+/-0.012 χ^2/NDF:344287.6/5

+ sign 33.351+/-0.007 χ^2/NDF: 3104475.8/23

All: 34.211+/-0.005 χ^2/NDF: 5326293.5/48

- sign 35.215+/-0.008 χ^2/NDF: 2189097.6/24



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/7

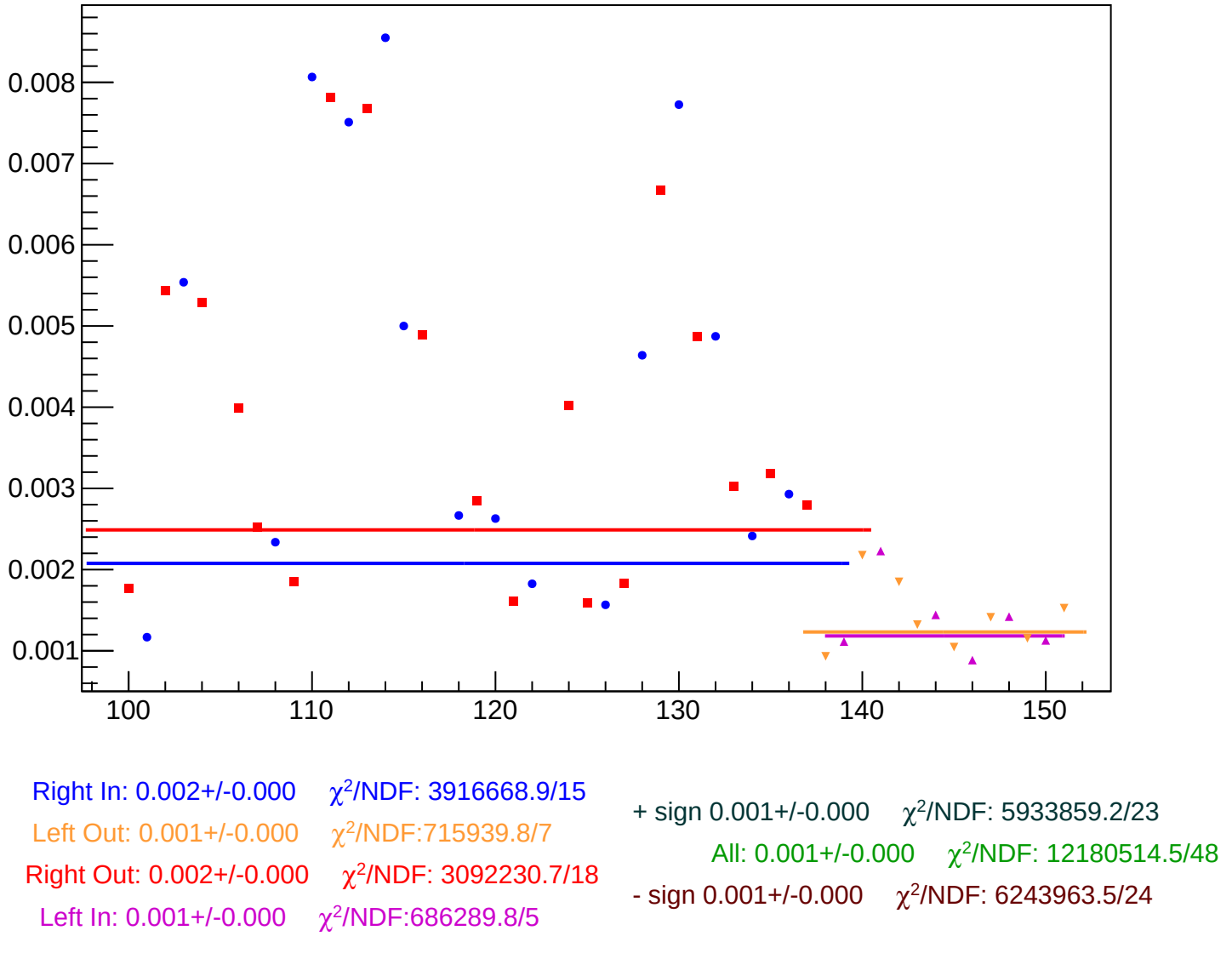
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

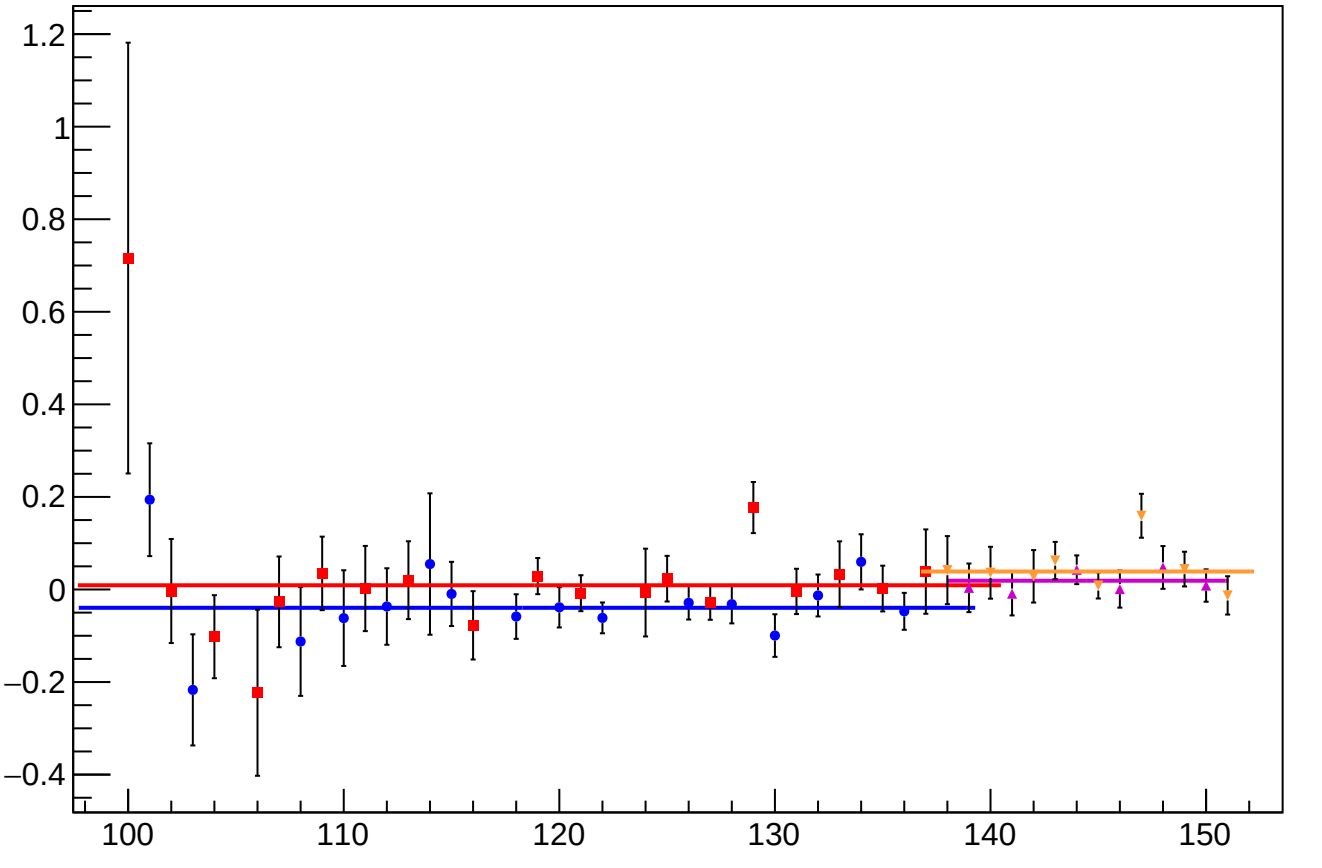
Left In: 0.000+/-0.000 χ^2/NDF:4.1/5

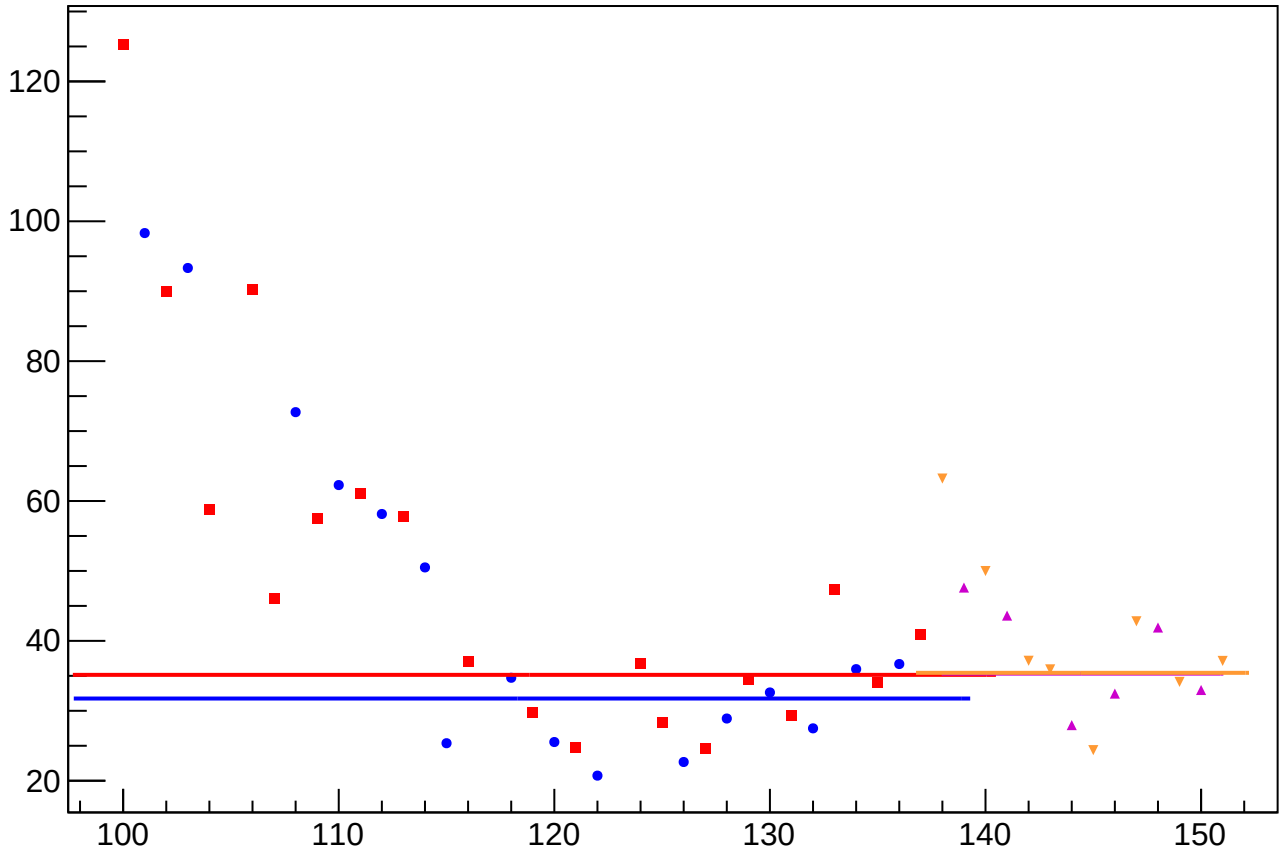
+ sign 0.000+/-0.000 χ^2/NDF: 40.1/23

All: 0.000+/-0.000 χ^2/NDF: 65.9/48

- sign 0.000+/-0.000 χ^2/NDF: 25.5/24


asym_sam_26_48_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
100
110
120
130
140
150
Right In: 0.002+/-0.000 χ²/NDF: 3916668.9/15
Left Out: 0.001+/-0.000 χ²/NDF:715939.8/7
Right Out: 0.002+/-0.000 χ²/NDF: 3092230.7/18
Left In: 0.001+/-0.000 χ²/NDF:686289.8/5
+ sign 0.001+/-0.000 χ²/NDF: 5933859.2/23
All: 0.001+/-0.000 χ²/NDF: 12180514.5/48
- sign 0.001+/-0.000 χ²/NDF: 6243963.5/24


asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs Slug
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
Right In: -0.040+/-0.013 χ²/NDF: 12.4/15
Left Out: 0.039+/-0.015 χ²/NDF:9.5/7
Right Out: 0.009+/-0.014 χ²/NDF: 18.3/18
Left In: 0.019+/-0.016 χ²/NDF:1.7/5
+ sign -0.006+/-0.010 χ²/NDF: 37.4/23
All: 0.003+/-0.007 χ²/NDF: 59.3/48
- sign 0.013+/-0.011 χ²/NDF: 20.2/24



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 35.430+/-0.011 χ^2/NDF:784428.2/7

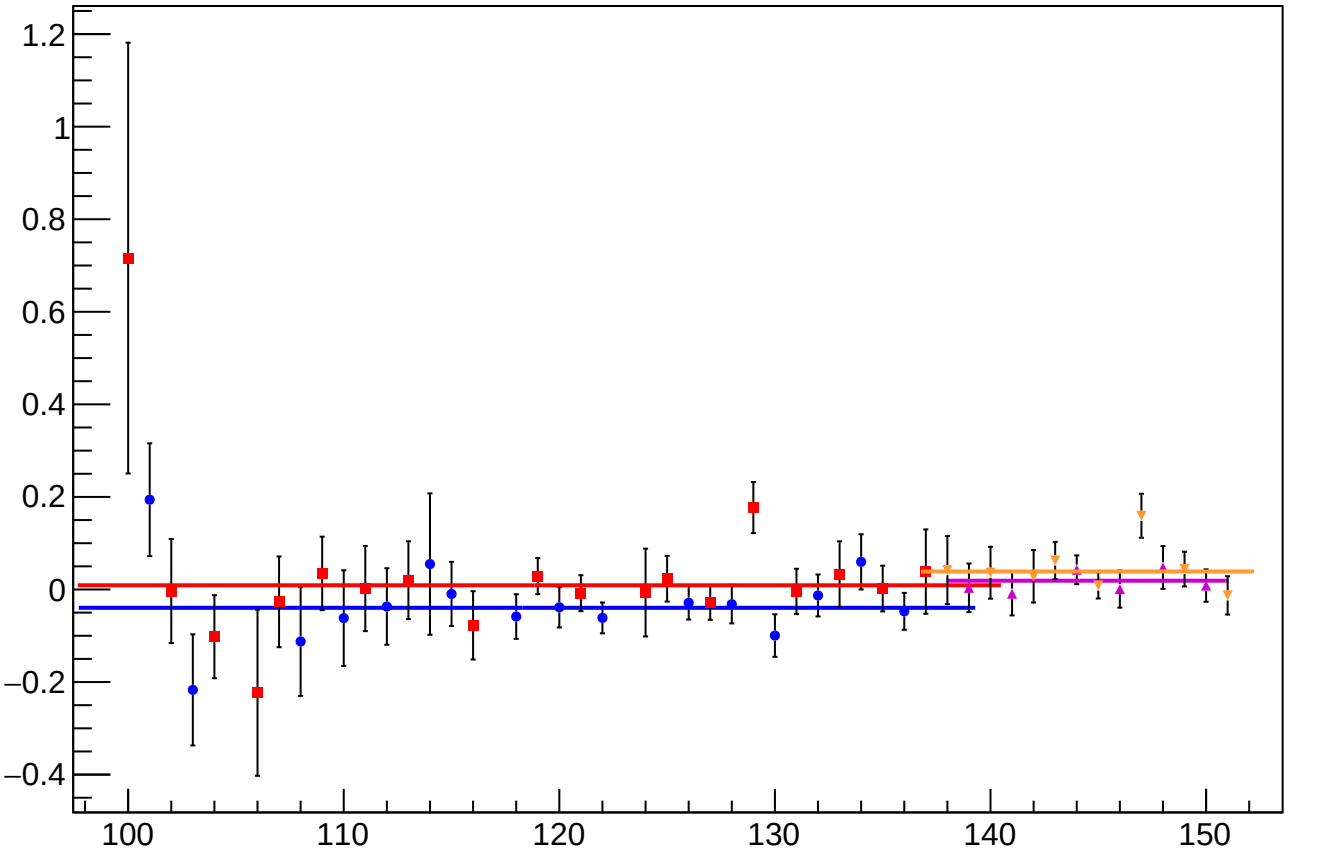
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 35.316+/-0.012 χ^2/NDF:344301.0/5

+ sign 33.351+/-0.007 χ^2/NDF: 3104489.3/23

All: 34.212+/-0.005 χ^2/NDF: 5326219.4/48

- sign 35.216+/-0.008 χ^2/NDF: 2189006.7/24



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.039+/-0.015 χ^2/NDF:9.5/7

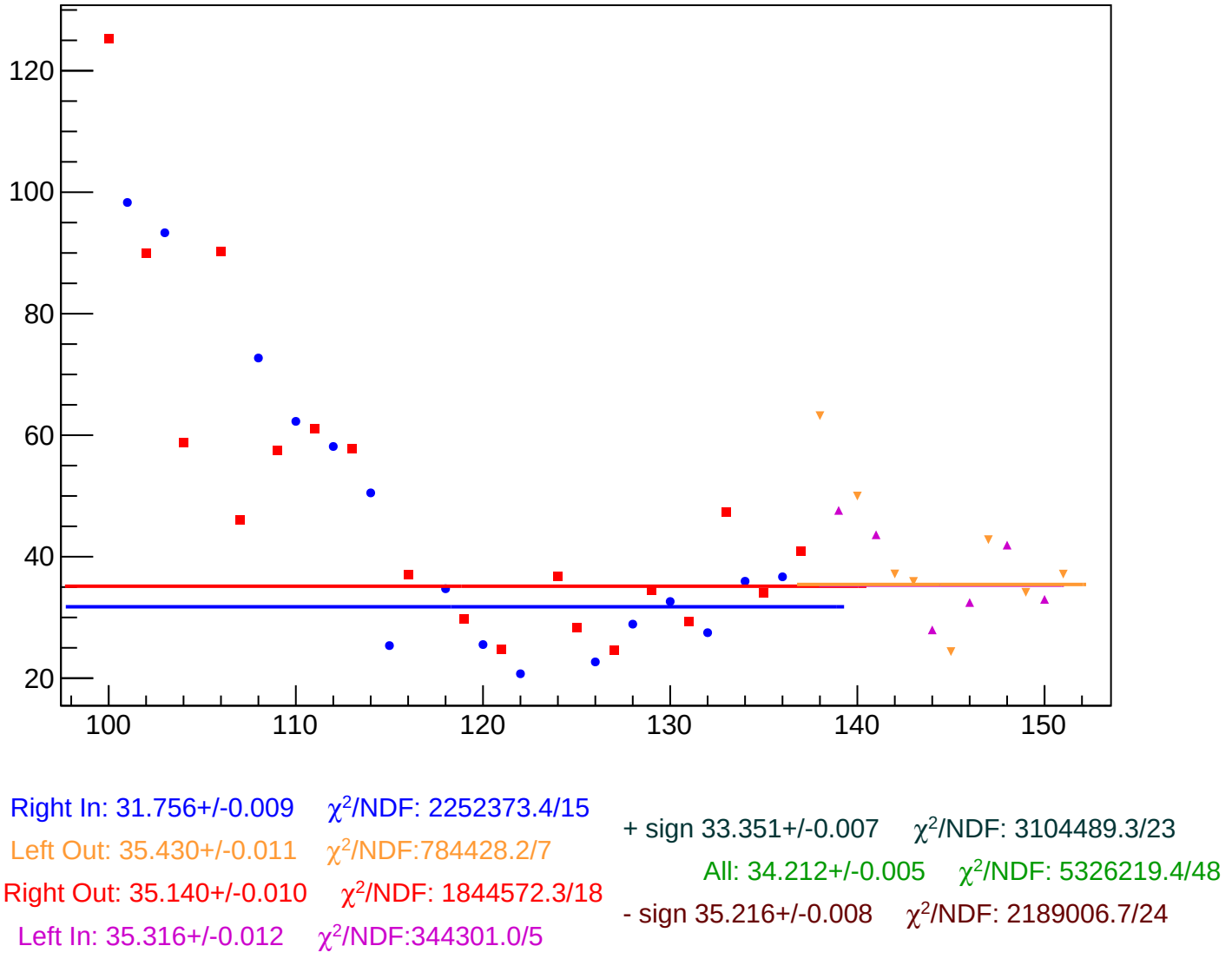
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

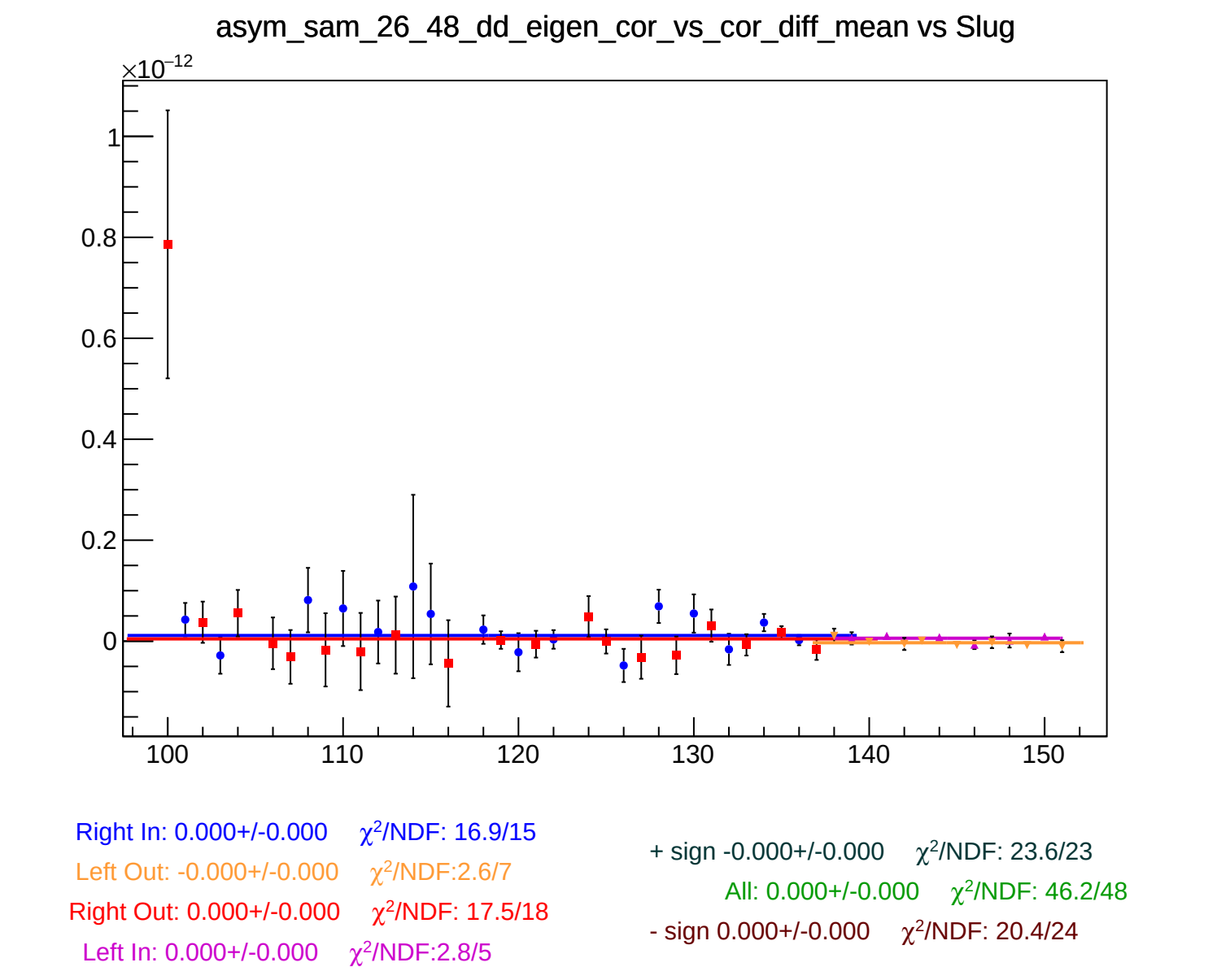
Left In: 0.019+/-0.016 χ^2/NDF:1.7/5

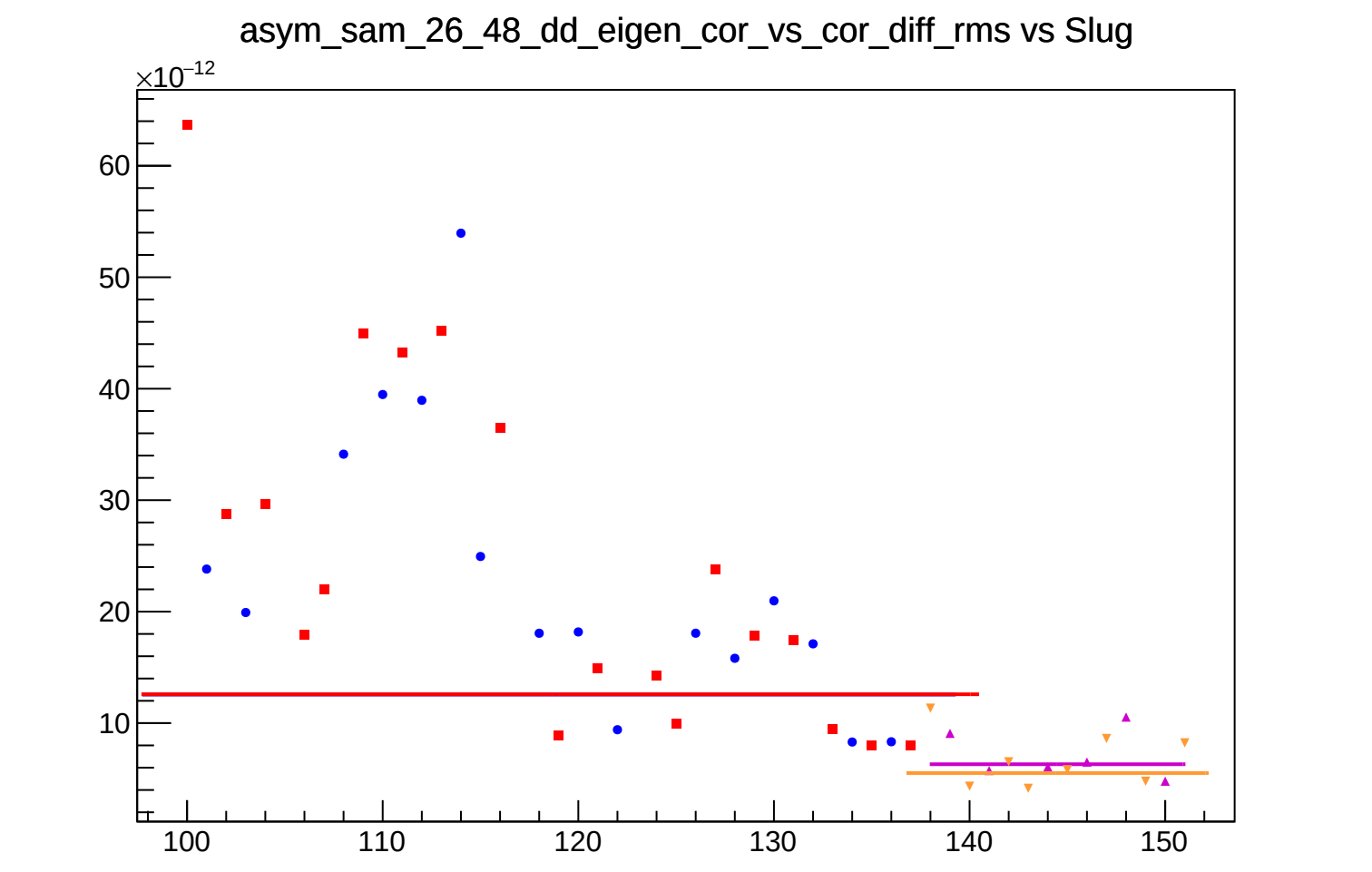
+ sign -0.006+/-0.010 χ^2/NDF: 37.4/23

All: 0.003+/-0.007 χ^2/NDF: 59.3/48

- sign 0.013+/-0.011 χ^2/NDF: 20.2/24


asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
120
100
80
60
40
20
100
110
120
130
140
150
Right In: 31.756+/-0.009 χ²/NDF: 2252373.4/15
Left Out: 35.430+/-0.011 χ²/NDF:784428.2/7
Right Out: 35.140+/-0.010 χ²/NDF: 1844572.3/18
Left In: 35.316+/-0.012 χ²/NDF:344301.0/5
+ sign 33.351+/-0.007 χ²/NDF: 3104489.3/23
All: 34.212+/-0.005 χ²/NDF: 5326219.4/48
- sign 35.216+/-0.008 χ²/NDF: 2189006.7/24


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
Right In: 0.000+/-0.000 χ²/NDF: 16.9/15
Left Out: -0.000+/-0.000 χ²/NDF:2.6/7
Right Out: 0.000+/-0.000 χ²/NDF: 17.5/18
Left In: 0.000+/-0.000 χ²/NDF:2.8/5
+ sign -0.000+/-0.000 χ²/NDF: 23.6/23
All: 0.000+/-0.000 χ²/NDF: 46.2/48
- sign 0.000+/-0.000 χ²/NDF: 20.4/24



Right In: 0.000+/-0.000 χ^2/NDF: 2164553.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:785111.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2747891.7/18

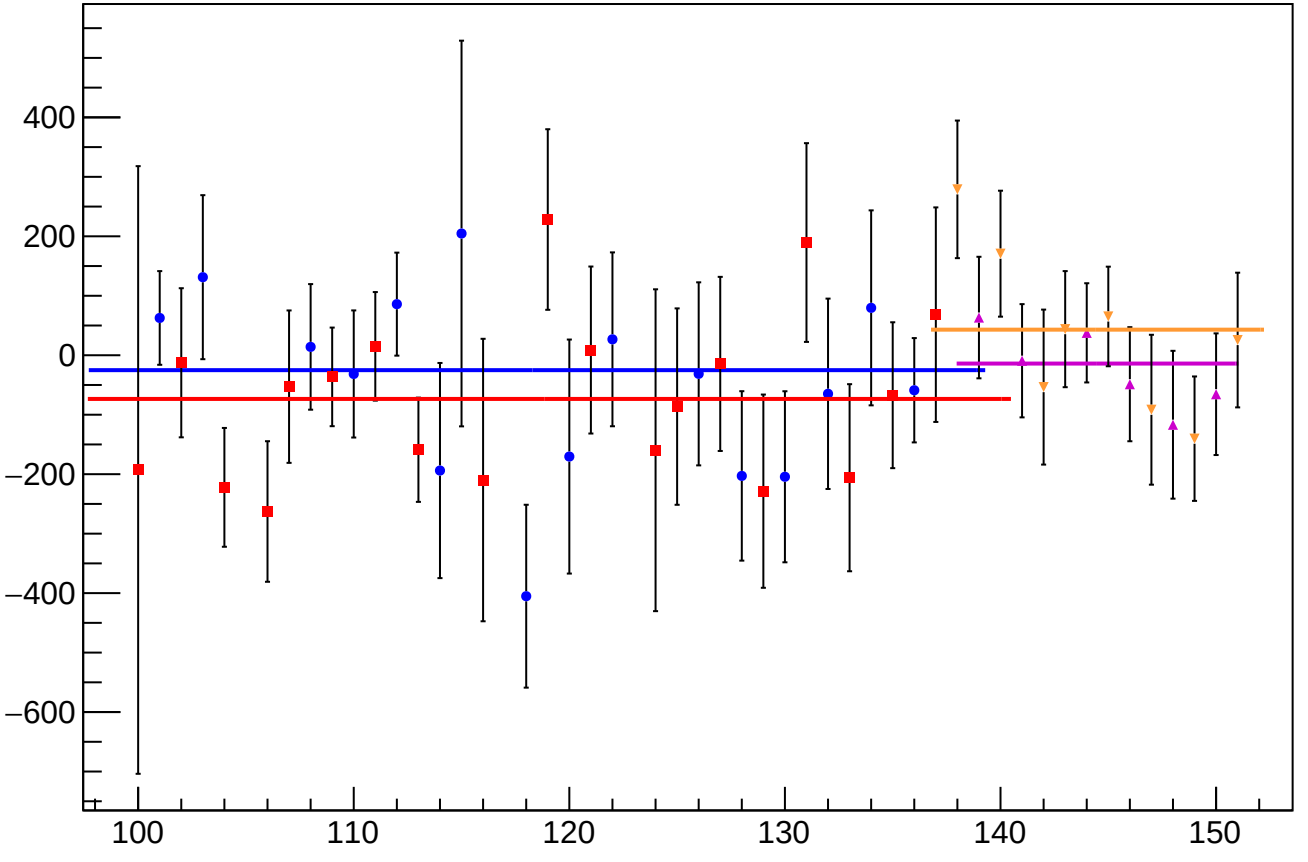
Left In: 0.000+/-0.000 χ^2/NDF:388473.5/5

+ sign 0.000+/-0.000 χ^2/NDF: 4926917.9/23

All: 0.000+/-0.000 χ^2/NDF: 9560297.2/48

- sign 0.000+/-0.000 χ^2/NDF: 4520505.4/24

reg_asym_sam_1548_avg_mean vs Slug



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 43.022+/-37.725 χ^2/NDF:10.5/7

Right Out: -73.458+/-29.935 χ^2/NDF: 16.8/18

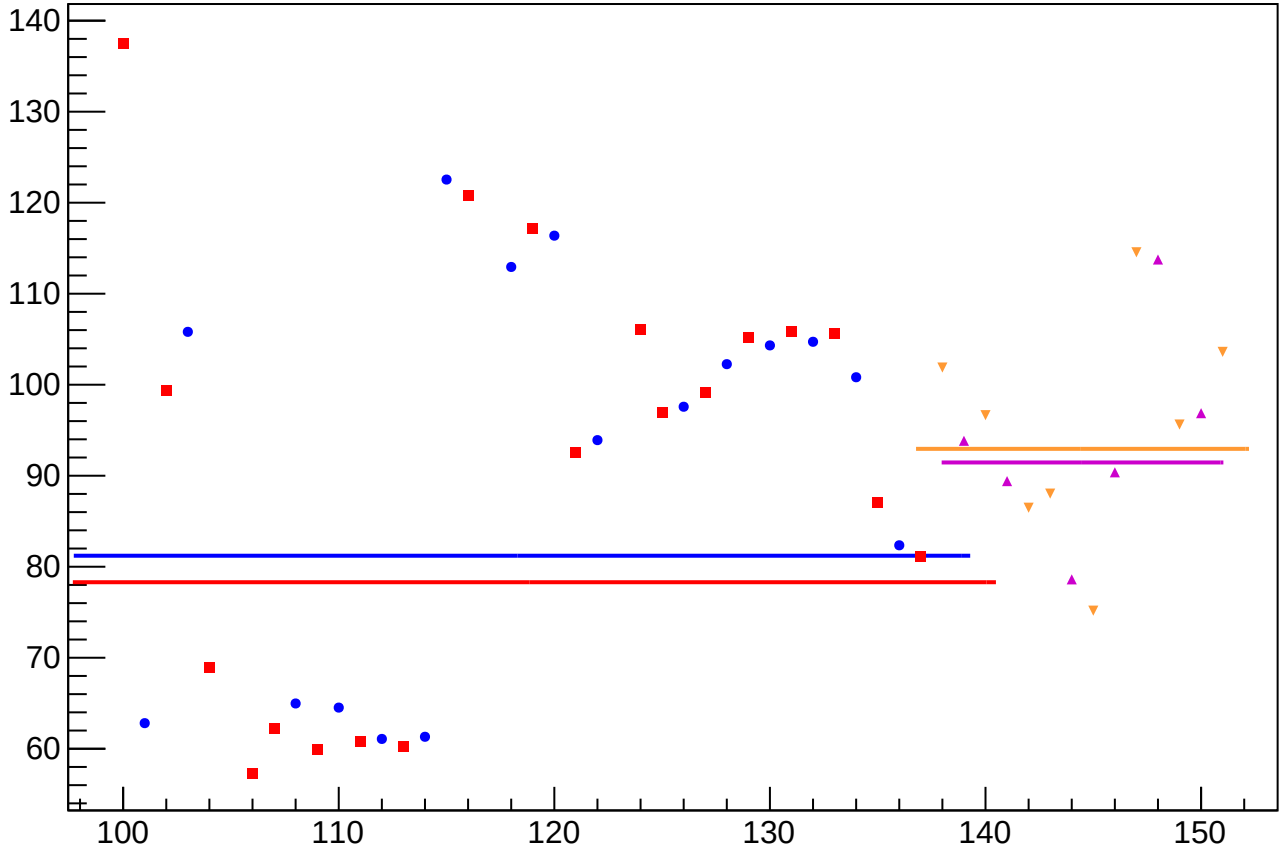
Left In: -13.990+/-40.198 χ^2/NDF:2.0/5

+ sign 2.617+/-24.056 χ^2/NDF: 28.6/23

All: -24.868+/-16.994 χ^2/NDF: 51.4/48

- sign -52.244+/-24.009 χ^2/NDF: 20.2/24

reg_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 92.953+/-0.027 χ^2/NDF:192298.9/7

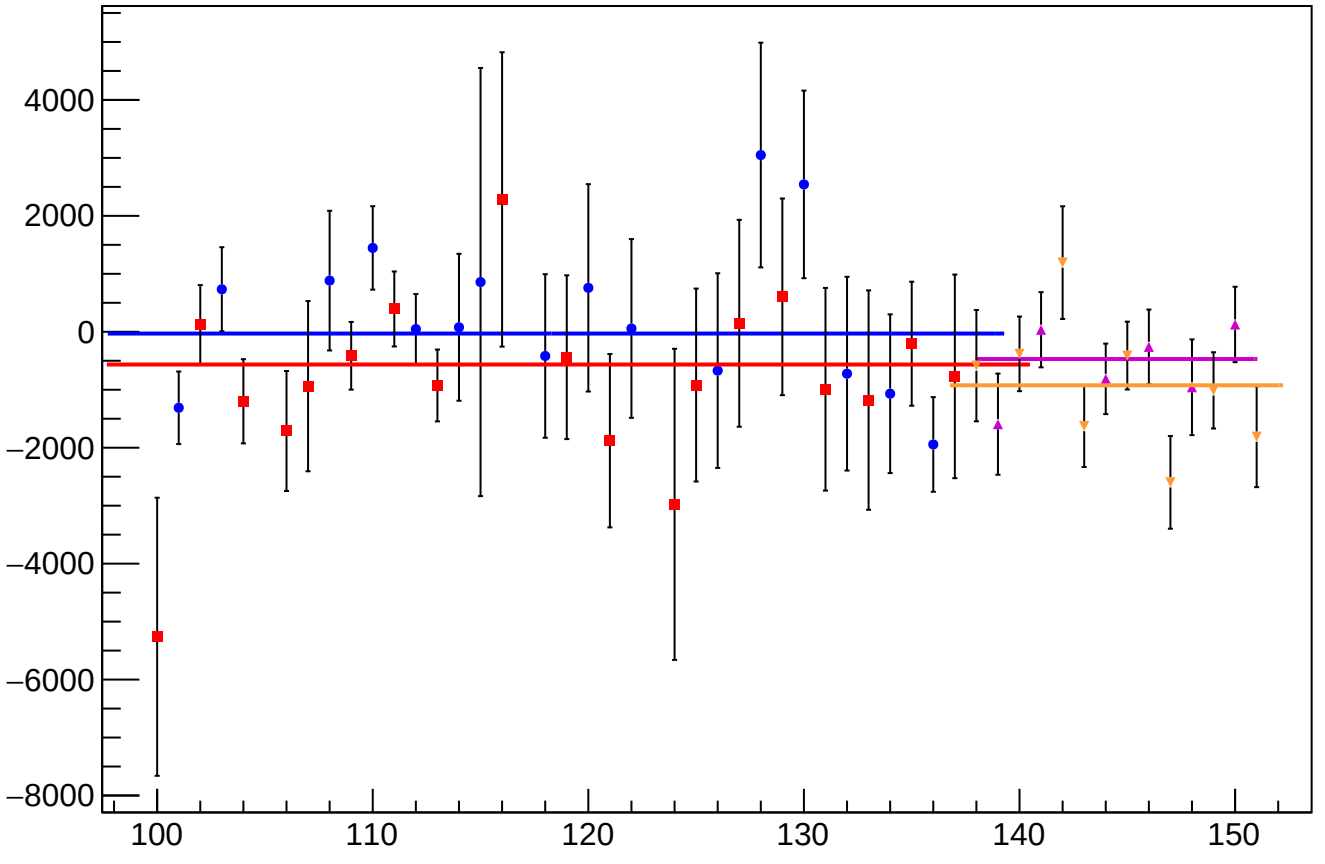
Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 91.456+/-0.028 χ^2/NDF:119694.0/5

+ sign 85.985+/-0.017 χ^2/NDF: 1094967.7/23

All: 84.485+/-0.012 χ^2/NDF: 2302700.4/48

- sign 82.992+/-0.017 χ^2/NDF: 1192225.2/24



Right In: -30.407+/-256.999 χ^2/NDF: 21.9/15

Left Out: -923.383+/-260.988 χ^2/NDF:12.8/7

Right Out: -564.890+/-238.492 χ^2/NDF: 13.3/18

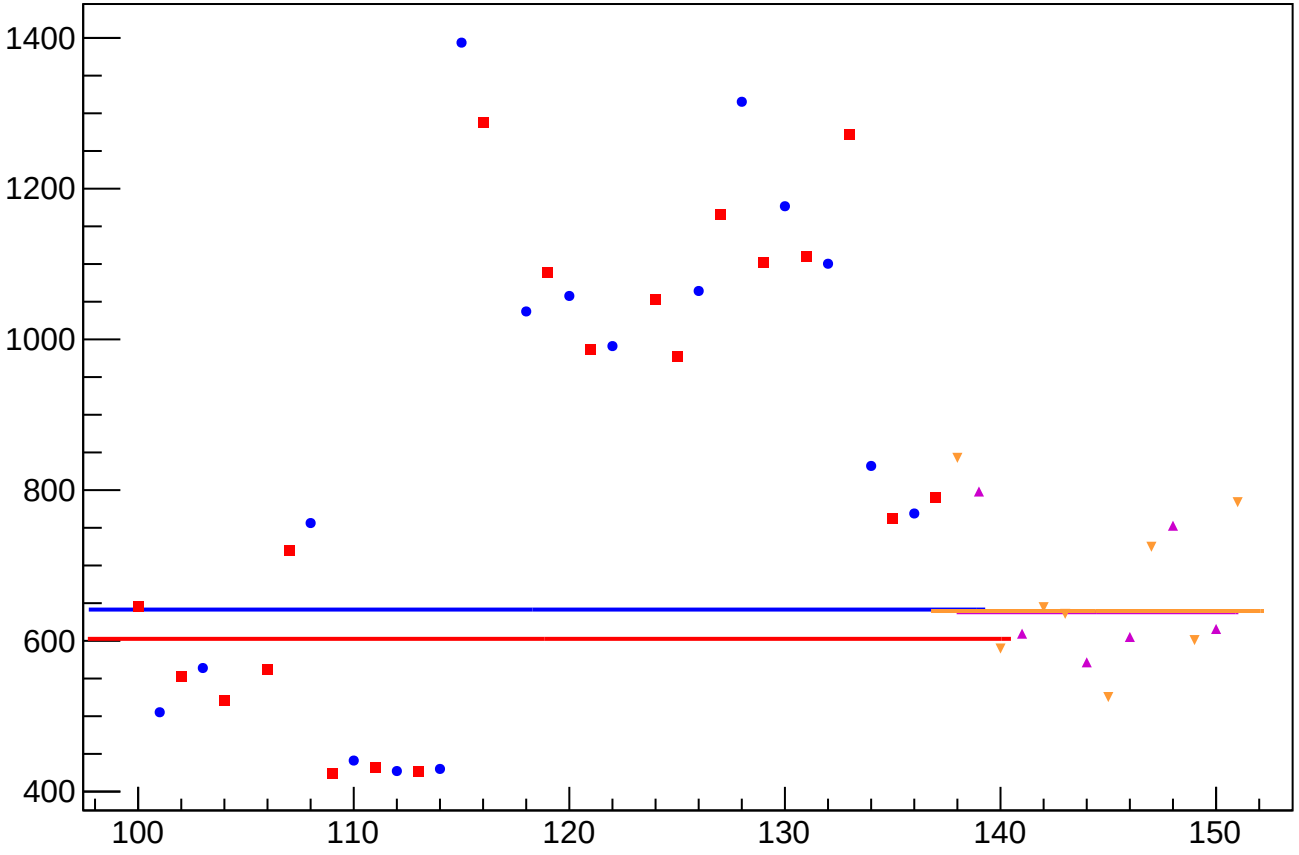
Left In: -470.122+/-281.287 χ^2/NDF:3.9/5

+ sign -470.018+/-183.120 χ^2/NDF: 40.6/23

All: -497.820+/-129.055 χ^2/NDF: 57.9/48

- sign -525.256+/-181.909 χ^2/NDF: 17.2/24

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 639.599+/-0.185 χ^2/NDF:262440.3/7

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

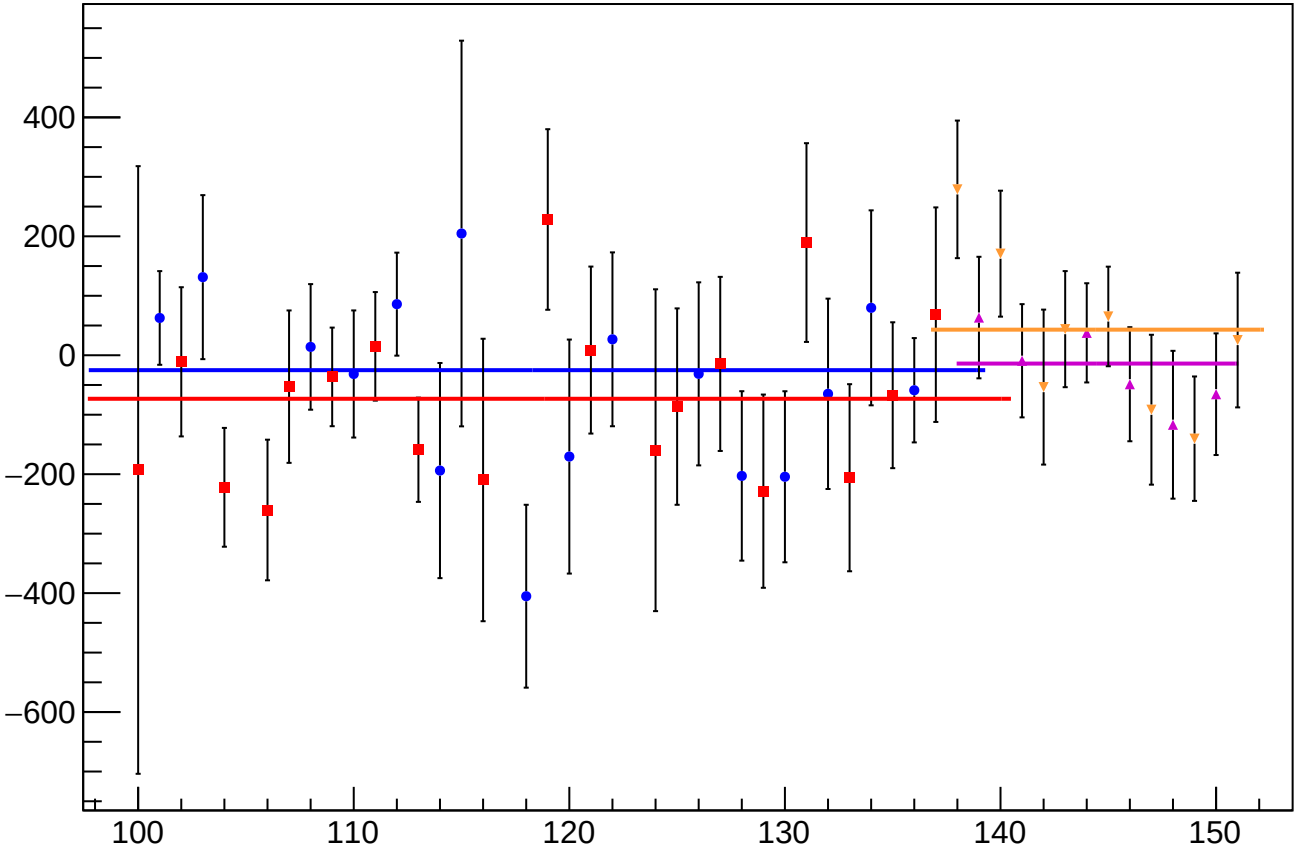
Left In: 637.964+/-0.199 χ^2/NDF:141333.2/5

+ sign 640.563+/-0.129 χ^2/NDF: 2137484.9/23

All: 628.916+/-0.091 χ^2/NDF: 4383538.8/48

- sign 617.421+/-0.129 χ^2/NDF: 2229976.7/24

cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 43.030+/-37.725 χ^2/NDF:10.5/7

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

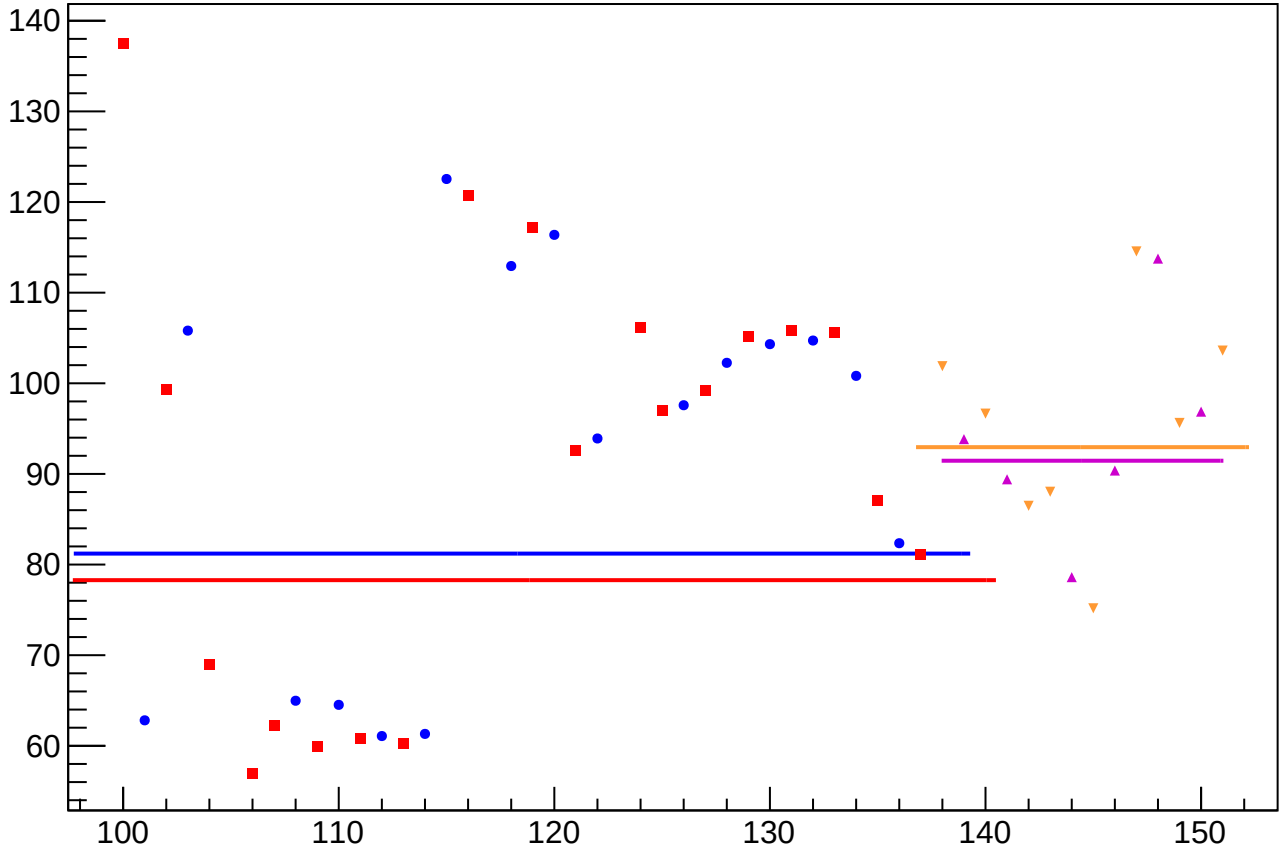
Left In: -13.993+/-40.198 χ^2/NDF:2.0/5

+ sign 2.618+/-24.056 χ^2/NDF: 28.6/23

All: -24.780+/-16.994 χ^2/NDF: 51.4/48

- sign -52.073+/-24.010 χ^2/NDF: 20.2/24

cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 92.953+/-0.027 χ^2/NDF:192298.9/7

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

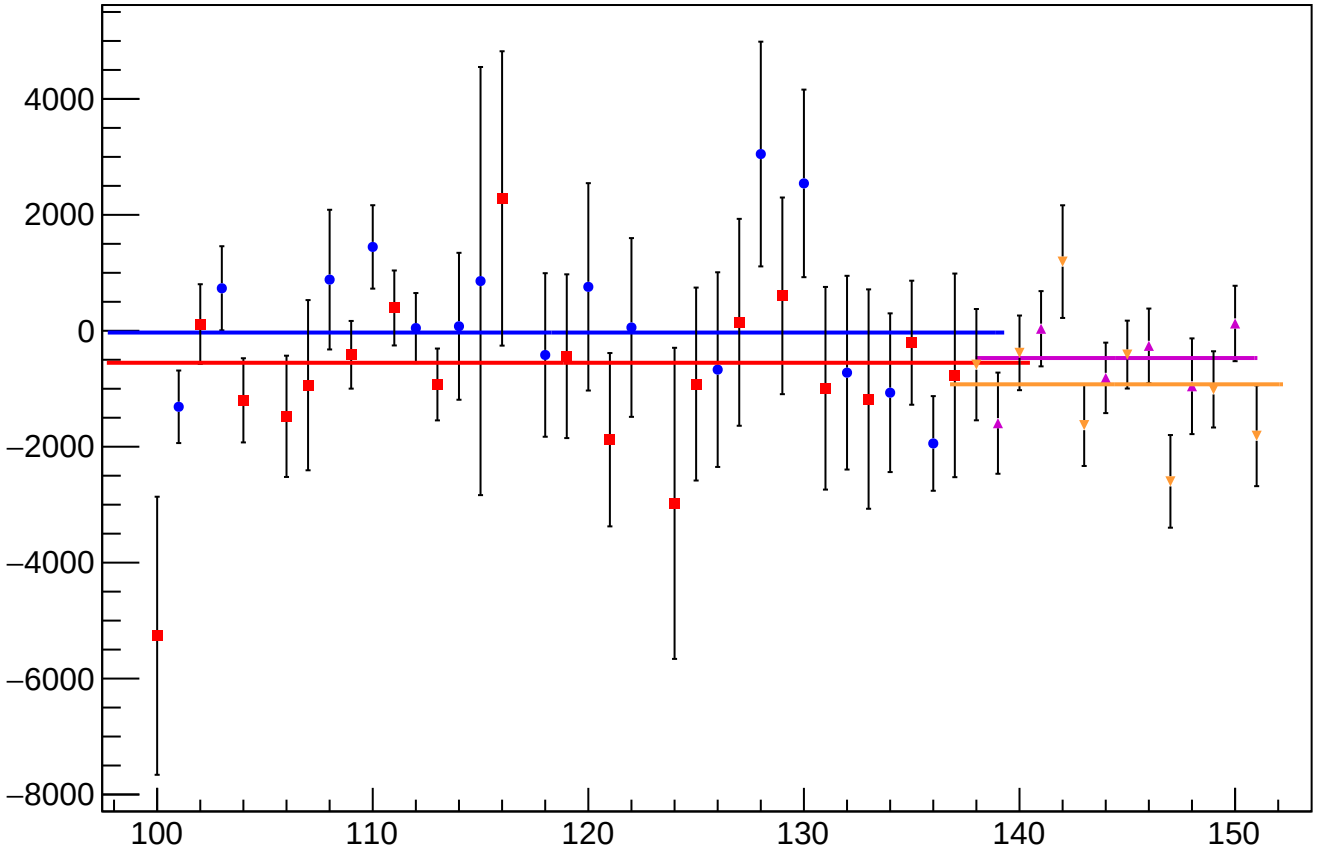
Left In: 91.456+/-0.028 χ^2/NDF:119694.0/5

+ sign 85.985+/-0.017 χ^2/NDF: 1094969.7/23

All: 84.480+/-0.012 χ^2/NDF: 2305345.9/48

- sign 82.980+/-0.017 χ^2/NDF: 1194748.4/24

asym_sam_1548_avg_cor_correction_mean vs Slug



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -923.376+/-260.988 χ^2/NDF:12.8/7

Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

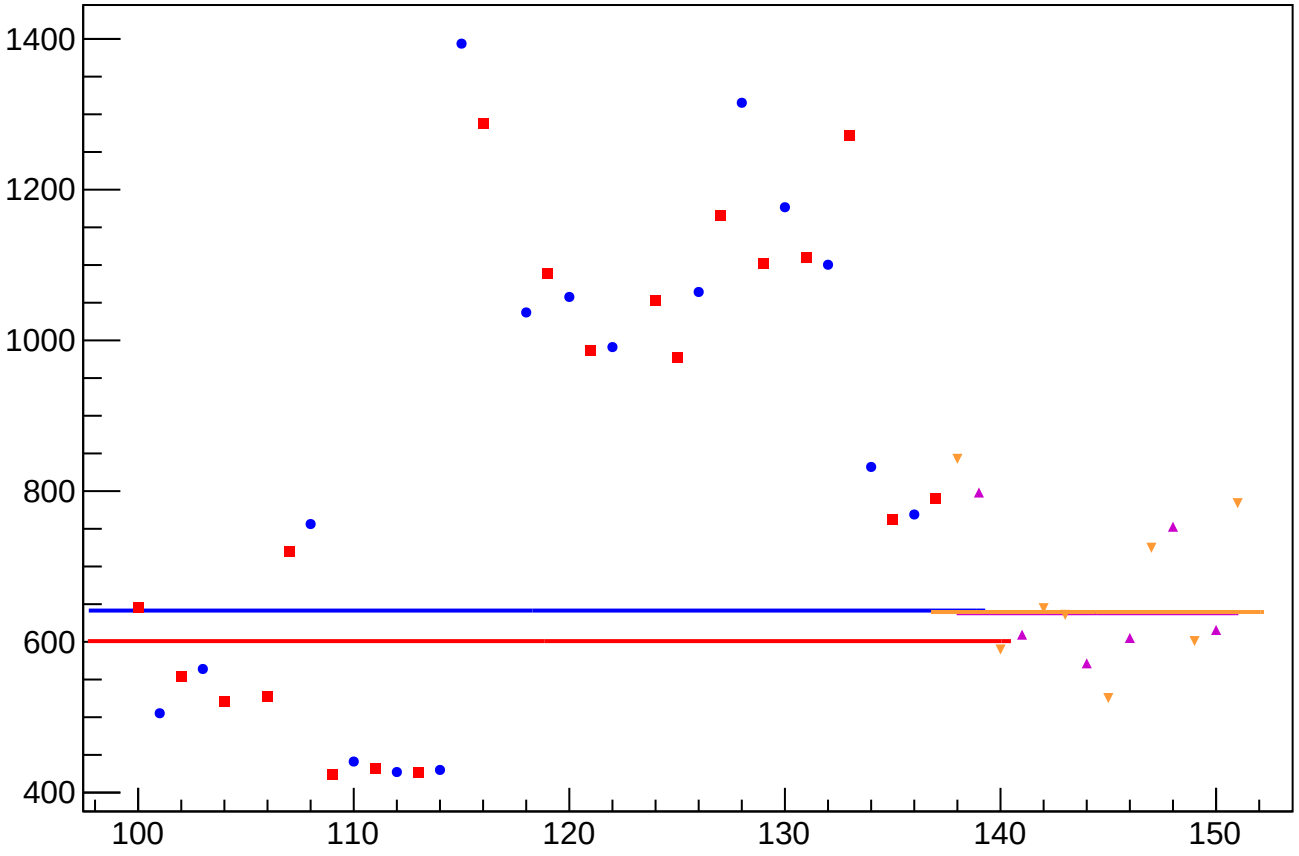
Left In: -470.130+/-281.288 χ^2/NDF:3.9/5

+ sign -470.033+/-183.121 χ^2/NDF: 40.6/23

All: -494.019+/-129.079 χ^2/NDF: 57.4/48

- sign -517.705+/-181.974 χ^2/NDF: 16.7/24

asym_sam_1548_avg_cor_correction_rms vs Slug



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 639.599+/-0.185 χ^2/NDF:262442.4/7

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

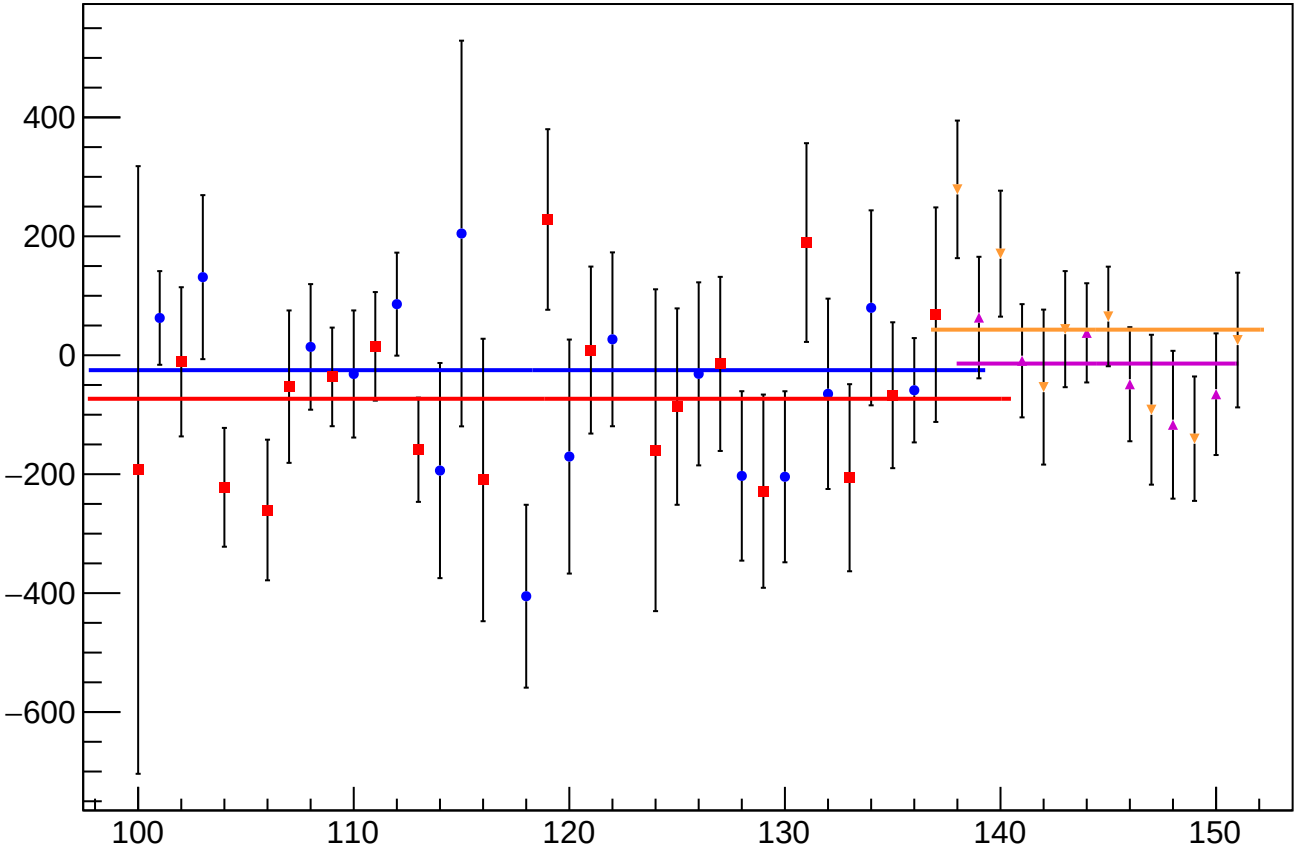
Left In: 637.964+/-0.199 χ^2/NDF:141331.7/5

+ sign 640.568+/-0.129 χ^2/NDF: 2137446.7/23

All: 628.436+/-0.091 χ^2/NDF: 4393567.1/48

- sign 616.456+/-0.129 χ^2/NDF: 2238674.1/24

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 43.030+/-37.725 χ^2/NDF:10.5/7

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

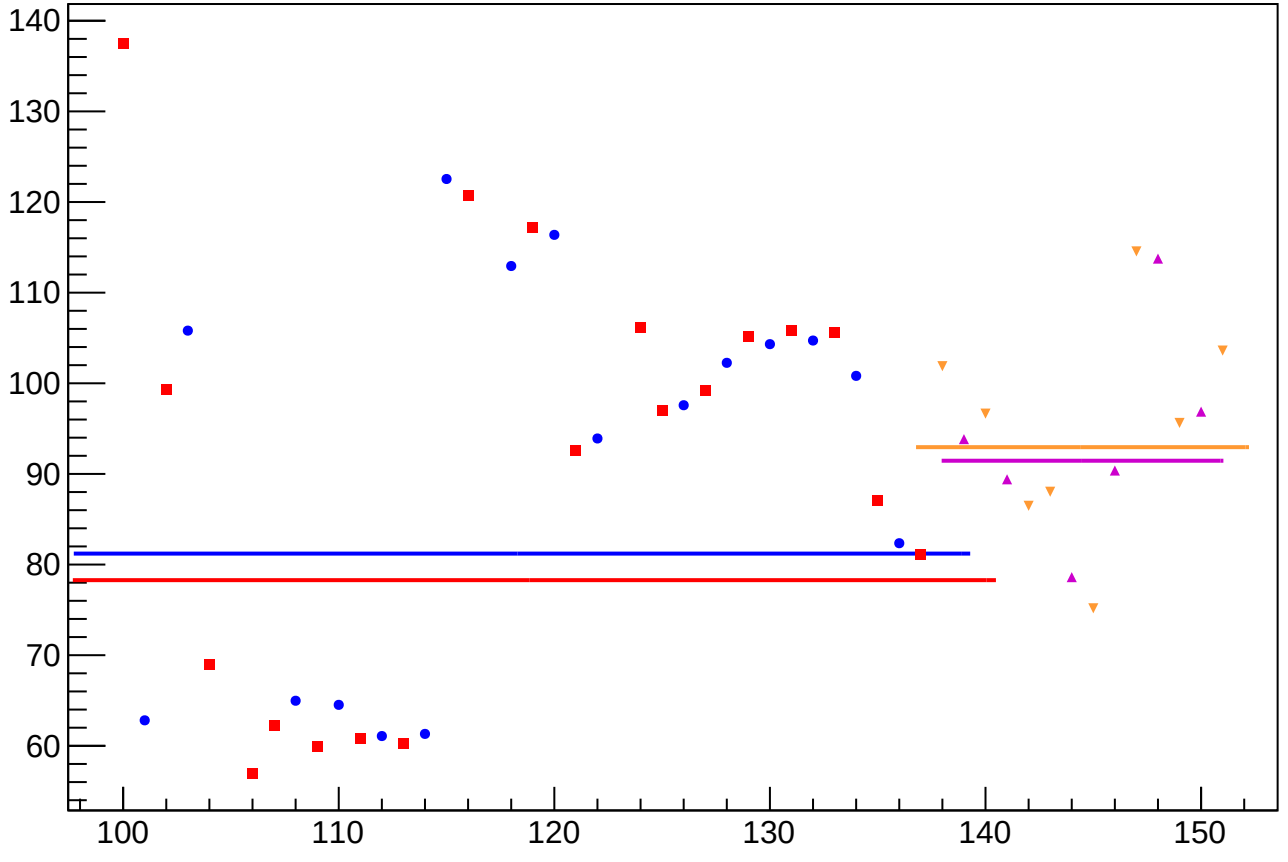
Left In: -13.993+/-40.198 χ^2/NDF:2.0/5

+ sign 2.618+/-24.056 χ^2/NDF: 28.6/23

All: -24.780+/-16.994 χ^2/NDF: 51.4/48

- sign -52.073+/-24.010 χ^2/NDF: 20.2/24

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 92.953+/-0.027 χ^2/NDF:192298.9/7

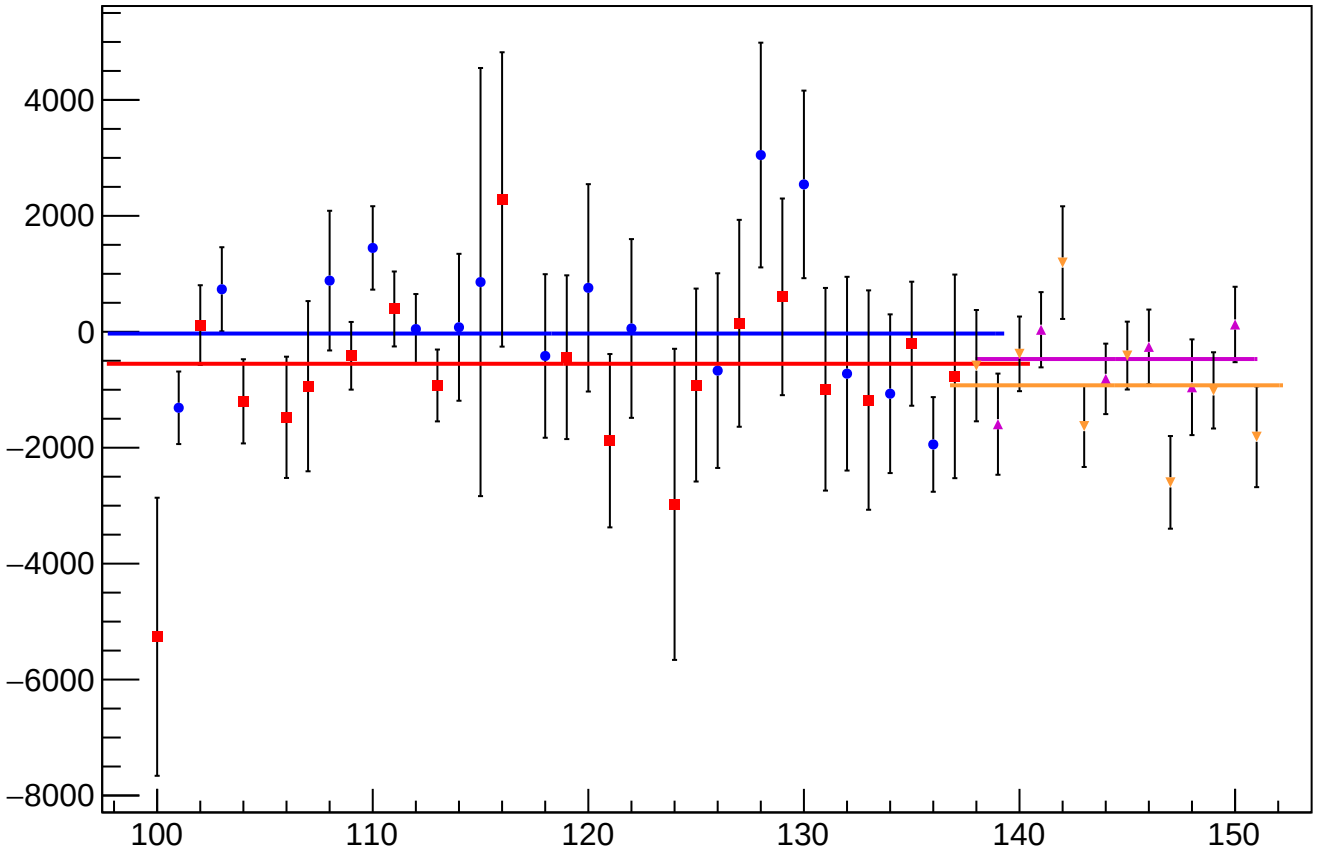
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 91.456+/-0.028 χ^2/NDF:119694.0/5

+ sign 85.985+/-0.017 χ^2/NDF: 1094969.7/23

All: 84.480+/-0.012 χ^2/NDF: 2305345.9/48

- sign 82.980+/-0.017 χ^2/NDF: 1194748.4/24



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -923.376+/-260.988 χ^2/NDF:12.8/7

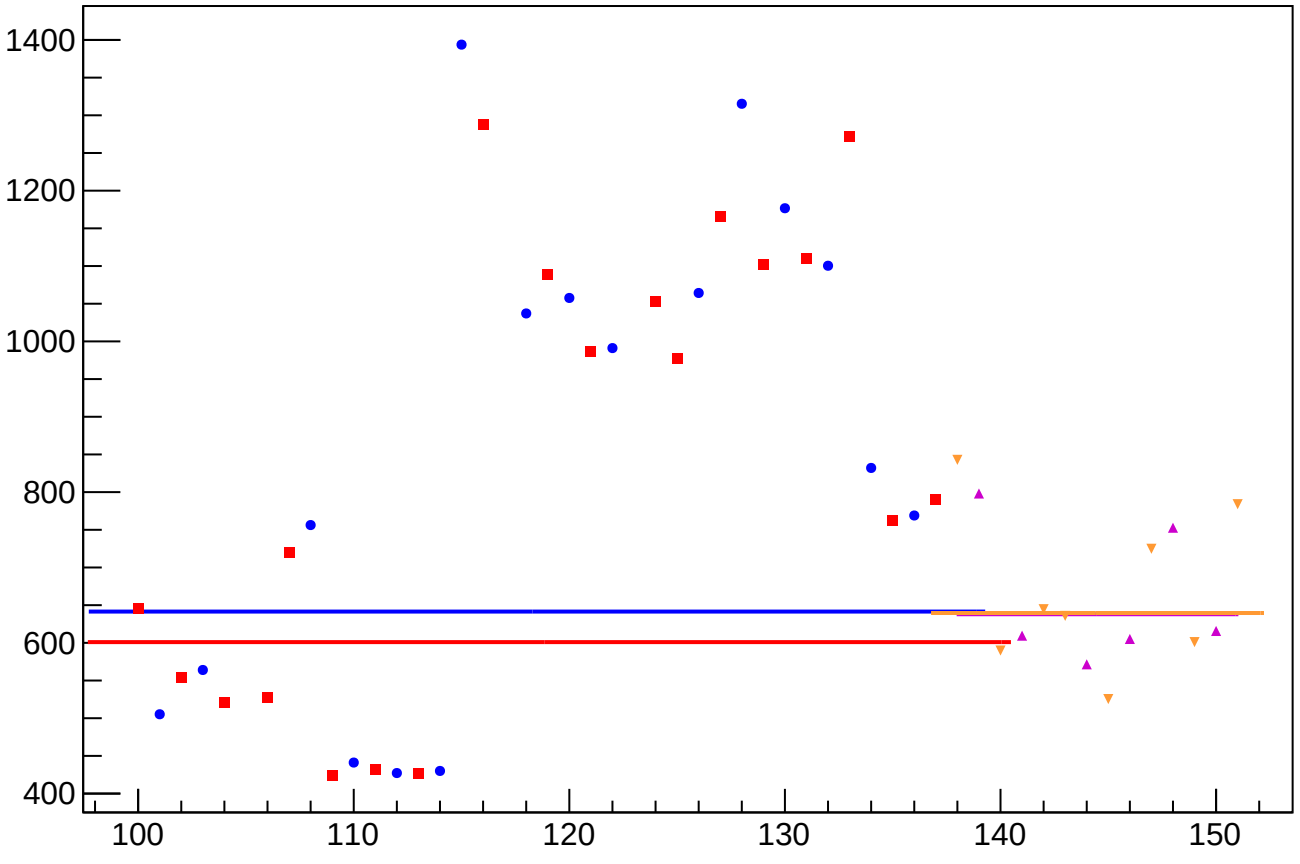
Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: -470.130+/-281.288 χ^2/NDF:3.9/5

+ sign -470.033+/-183.121 χ^2/NDF: 40.6/23

All: -494.019+/-129.079 χ^2/NDF: 57.4/48

- sign -517.705+/-181.974 χ^2/NDF: 16.7/24



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 639.599+/-0.185 χ^2/NDF:262442.4/7

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

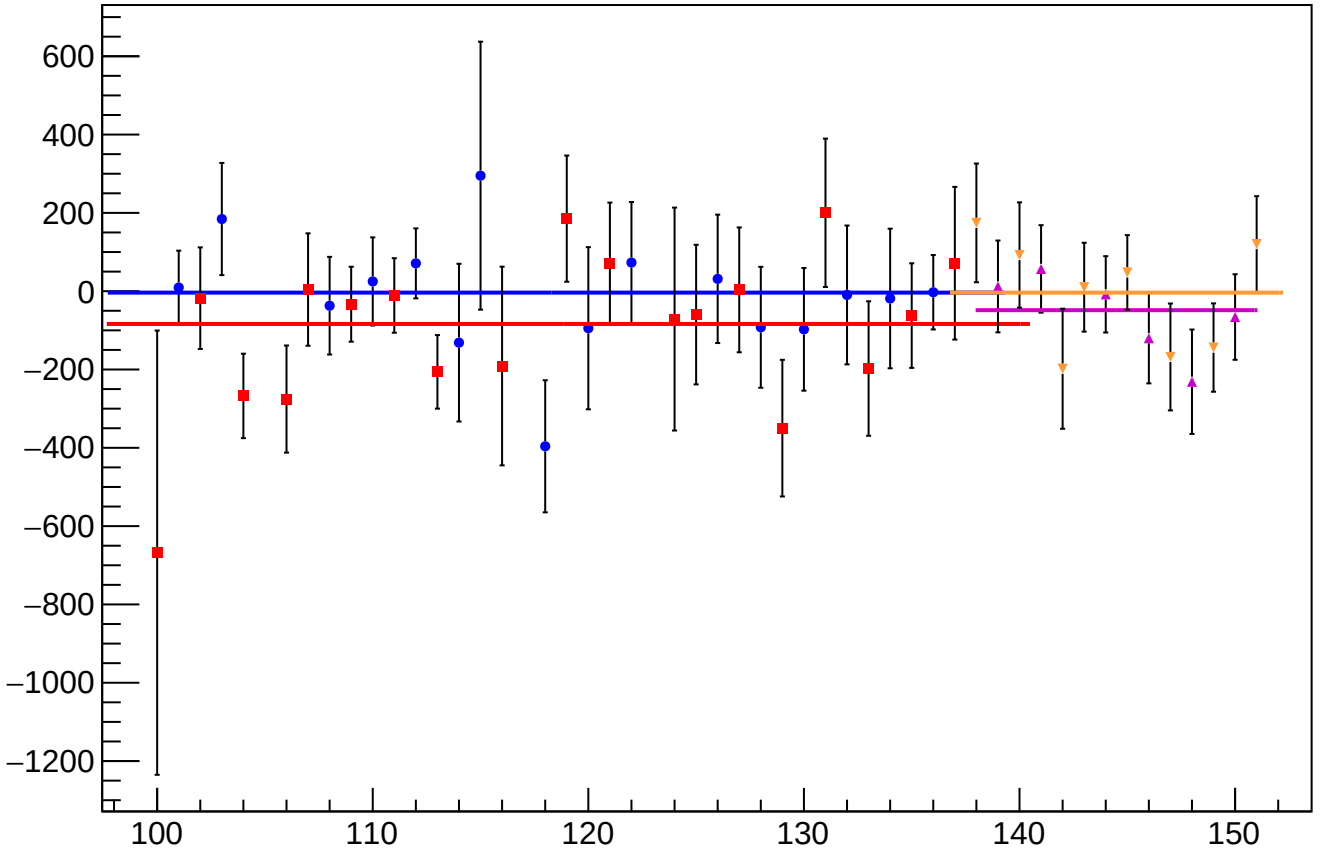
Left In: 637.964+/-0.199 χ^2/NDF:141331.7/5

+ sign 640.568+/-0.129 χ^2/NDF: 2137446.7/23

All: 628.436+/-0.091 χ^2/NDF: 4393567.1/48

- sign 616.456+/-0.129 χ^2/NDF: 2238674.1/24

dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: -3.670+/-43.507 χ^2/NDF:7.8/7

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

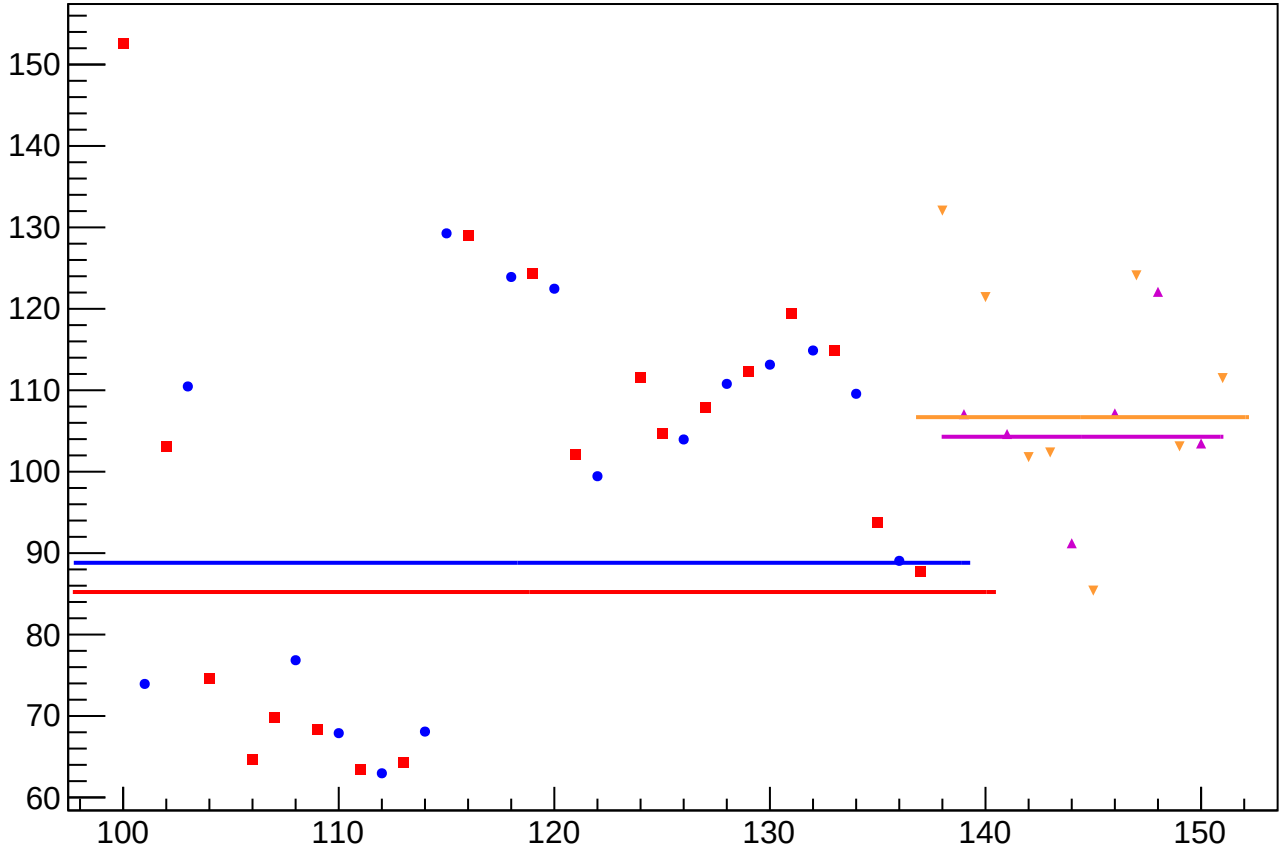
Left In: -48.508+/-45.962 χ^2/NDF:3.6/5

+ sign -3.648+/-26.864 χ^2/NDF: 18.2/23

All: -38.096+/-18.905 χ^2/NDF: 44.5/48

- sign -71.890+/-26.608 χ^2/NDF: 23.1/24

dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 106.699+/-0.031 χ^2/NDF:222608.9/7

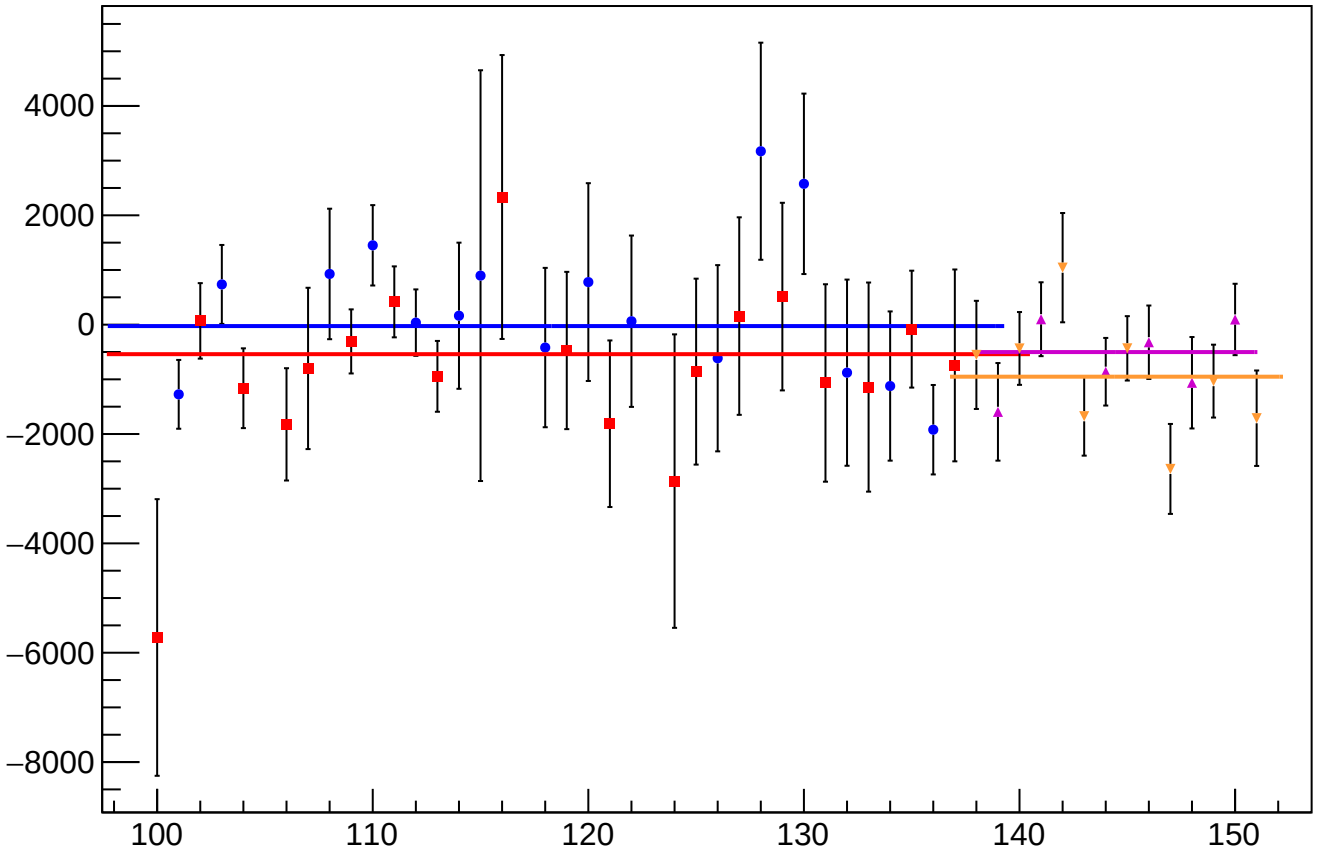
Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

Left In: 104.291+/-0.033 χ^2/NDF:74095.8/5

+ sign 95.632+/-0.019 χ^2/NDF: 1156344.3/23

All: 93.604+/-0.013 χ^2/NDF: 2365913.7/48

- sign 91.615+/-0.019 χ^2/NDF: 1186987.4/24



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -951.516+/-266.026 χ^2/NDF:11.5/7

Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

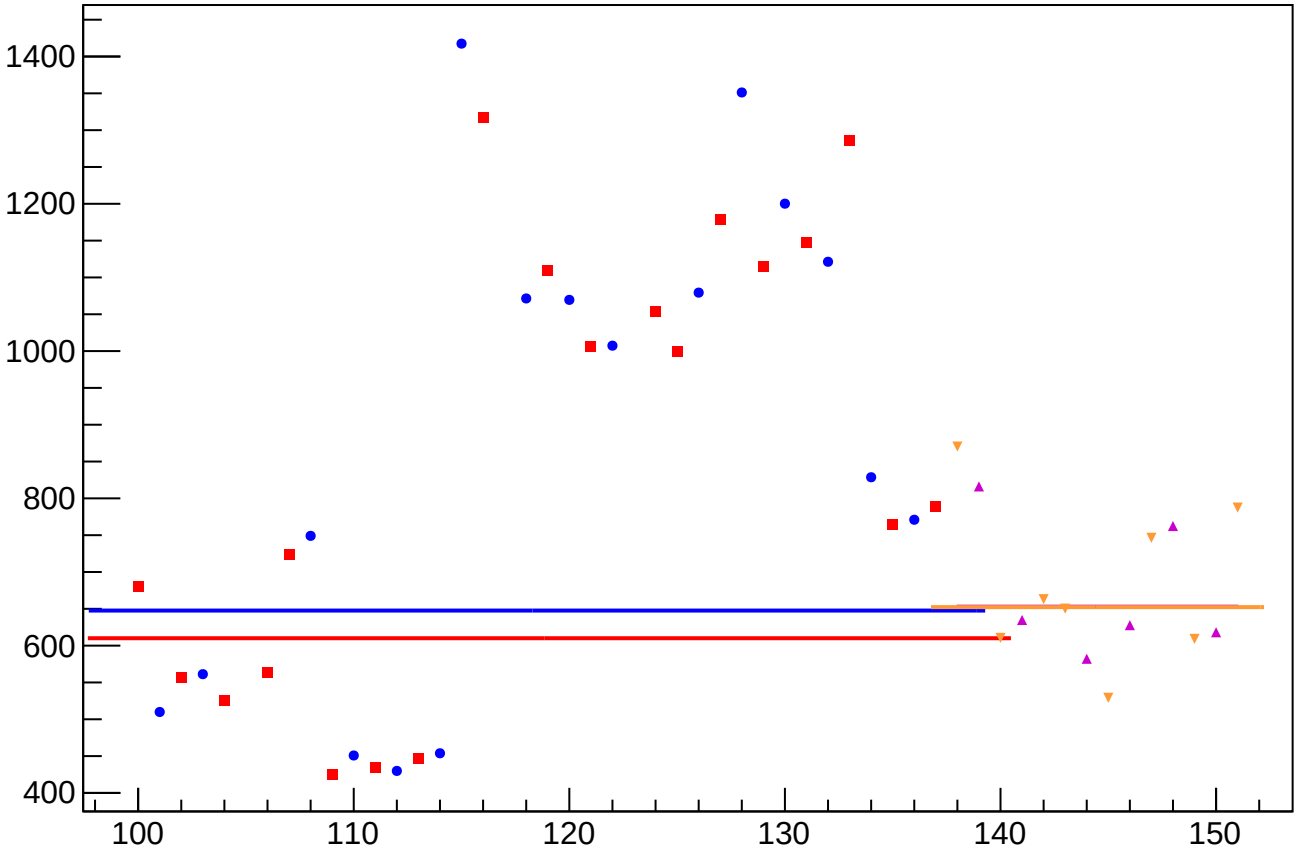
Left In: -501.283+/-287.996 χ^2/NDF:4.0/5

+ sign -476.973+/-185.722 χ^2/NDF: 39.3/23

All: -500.497+/-131.045 χ^2/NDF: 56.9/48

- sign -523.821+/-184.932 χ^2/NDF: 17.6/24

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 652.298+/-0.188 χ^2/NDF:275283.6/7

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

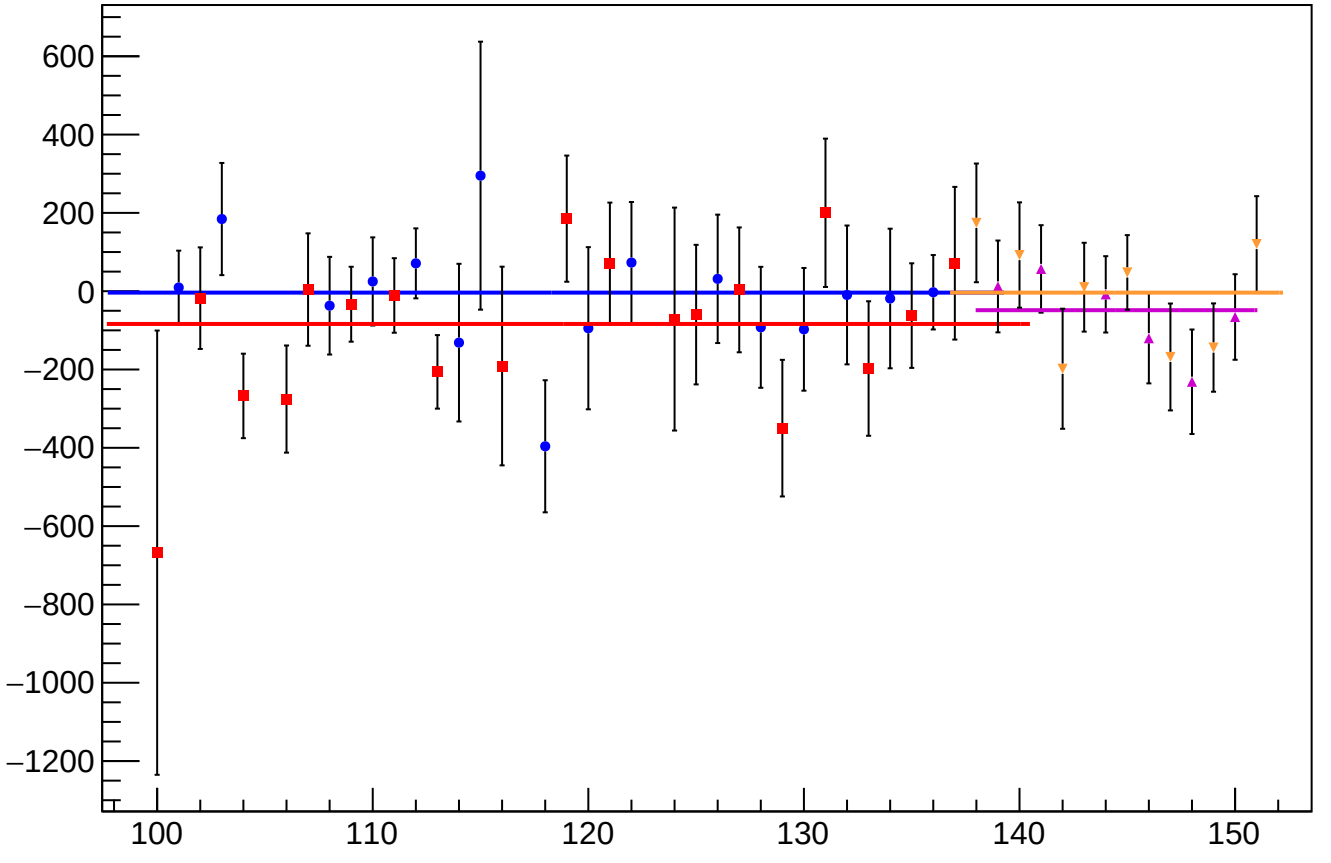
Left In: 652.905+/-0.204 χ^2/NDF:137340.6/5

+ sign 649.911+/-0.131 χ^2/NDF: 2163413.8/23

All: 638.771+/-0.093 χ^2/NDF: 4415342.8/48

- sign 627.727+/-0.131 χ^2/NDF: 2237600.7/24

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: -3.670+/-43.507 χ^2/NDF:7.8/7

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

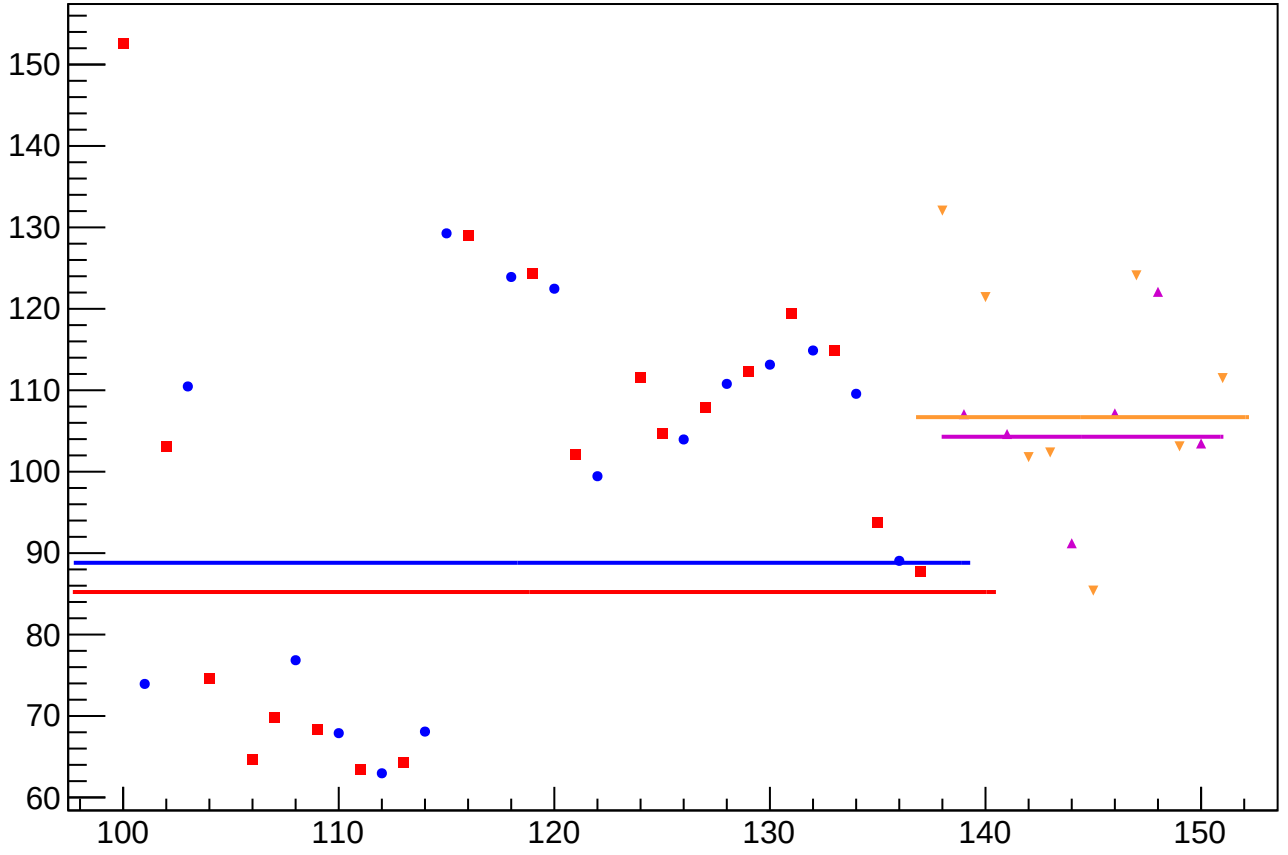
Left In: -48.509+/-45.962 χ^2/NDF:3.6/5

+ sign -3.647+/-26.864 χ^2/NDF: 18.2/23

All: -38.095+/-18.905 χ^2/NDF: 44.5/48

- sign -71.890+/-26.608 χ^2/NDF: 23.1/24

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 106.699+/-0.031 χ^2/NDF:222607.3/7

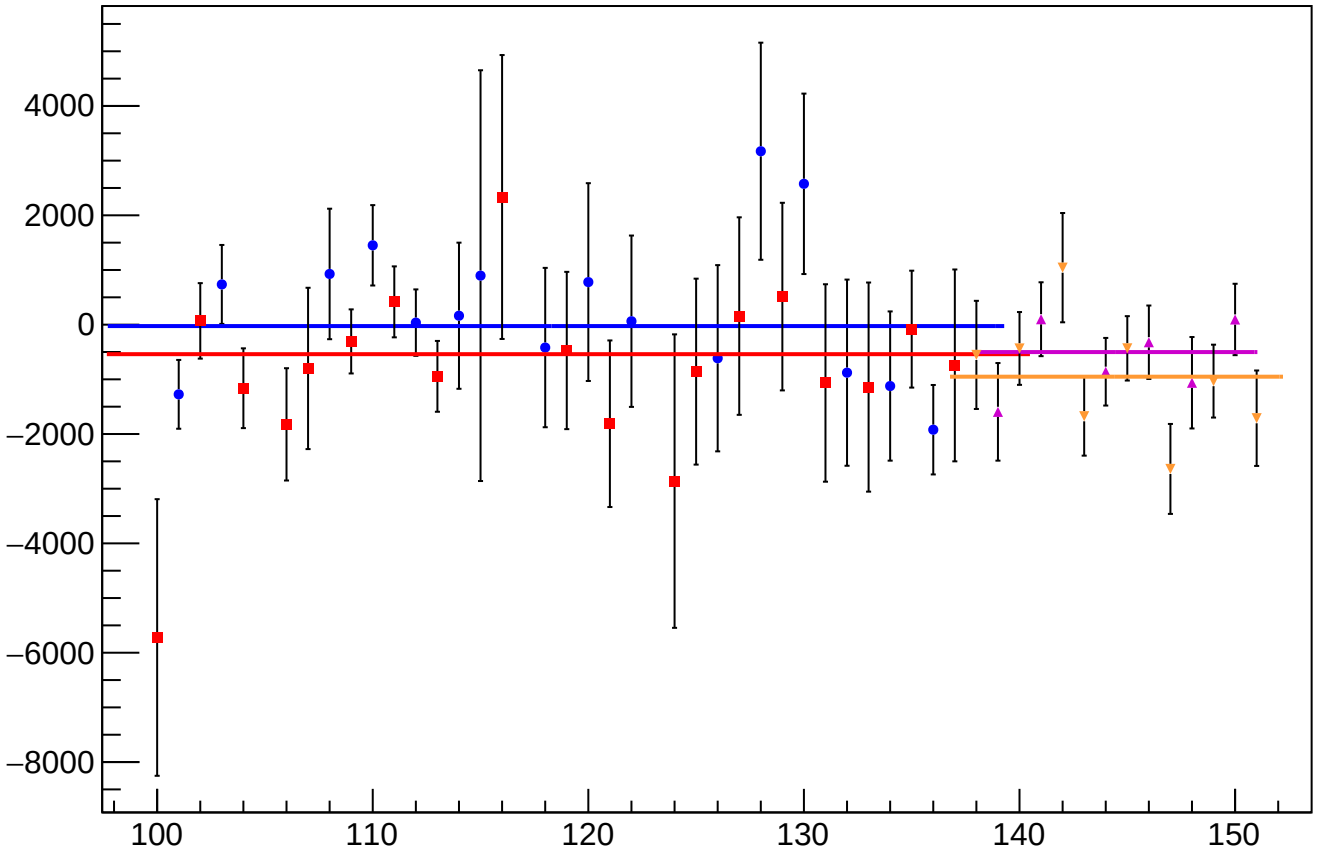
Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 104.291+/-0.033 χ^2/NDF:74095.7/5

+ sign 95.632+/-0.019 χ^2/NDF: 1156348.2/23

All: 93.604+/-0.013 χ^2/NDF: 2365926.4/48

- sign 91.615+/-0.019 χ^2/NDF: 1186996.1/24



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -951.515+/-266.026 χ^2/NDF:11.5/7

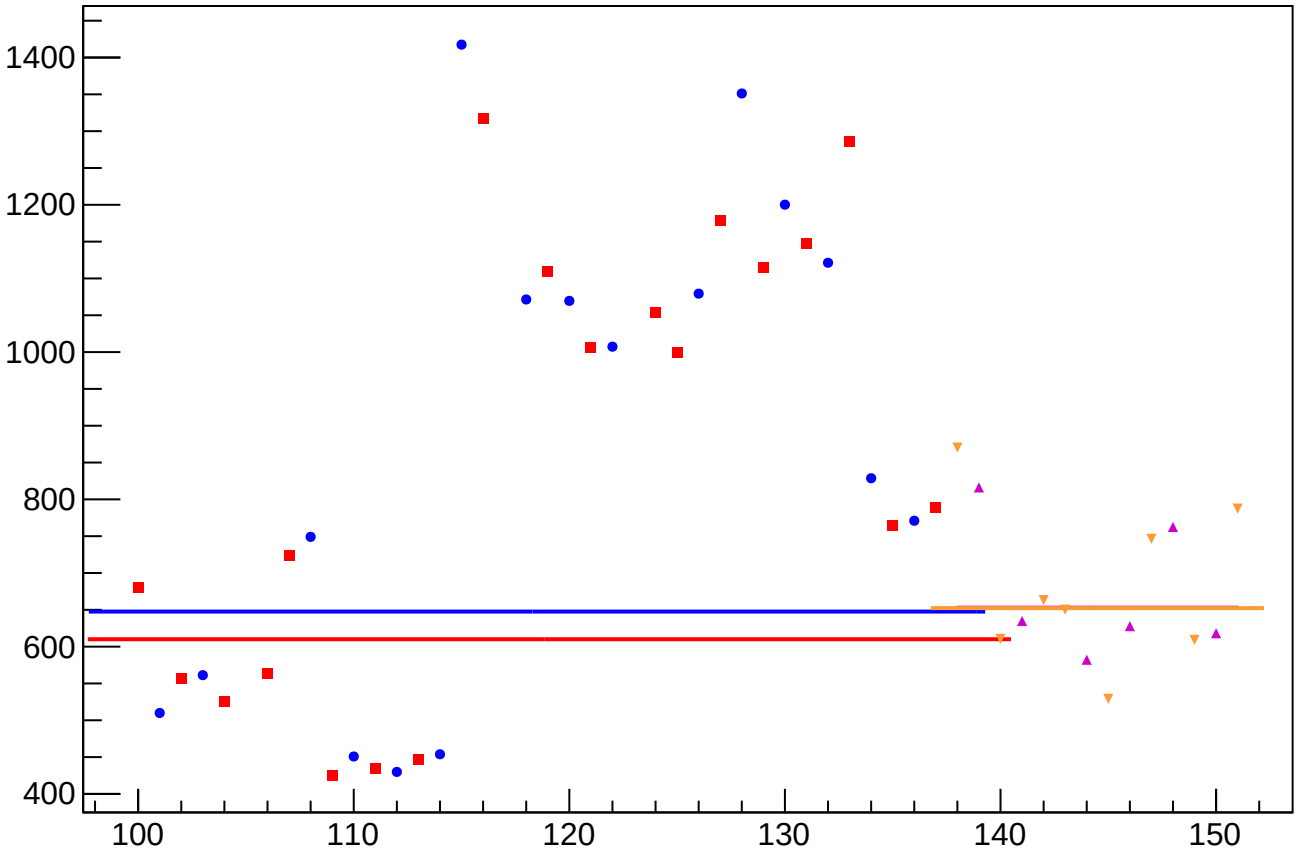
Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: -501.283+/-287.996 χ^2/NDF:4.0/5

+ sign -476.972+/-185.722 χ^2/NDF: 39.3/23

All: -500.497+/-131.045 χ^2/NDF: 56.9/48

- sign -523.821+/-184.932 χ^2/NDF: 17.6/24



Right In: 647.640+/-0.183 χ^2/NDF: 1887820.6/15

Left Out: 652.298+/-0.188 χ^2/NDF:275285.3/7

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

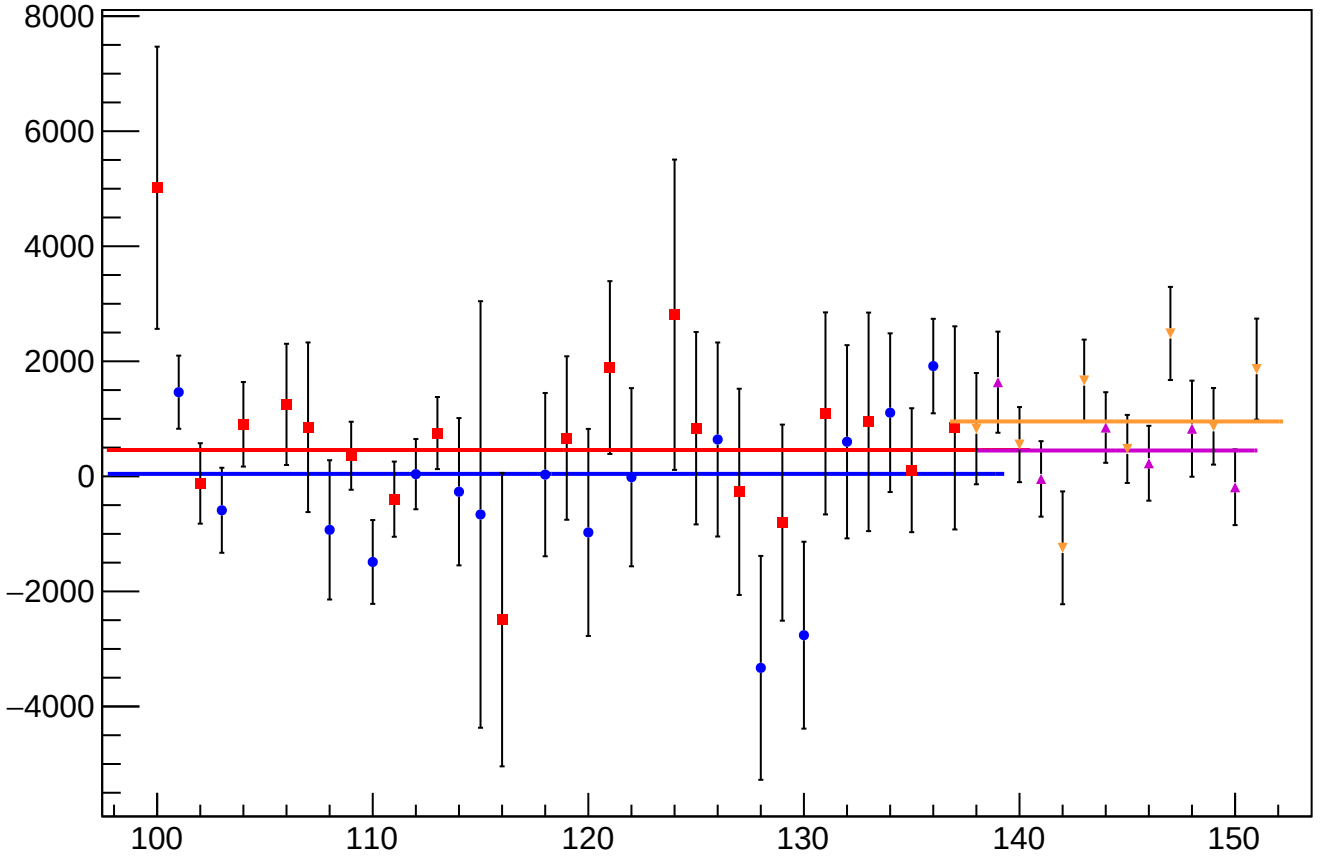
Left In: 652.905+/-0.204 χ^2/NDF:137341.0/5

+ sign 649.910+/-0.131 χ^2/NDF: 2163420.3/23

All: 638.771+/-0.093 χ^2/NDF: 4415353.4/48

- sign 627.726+/-0.131 χ^2/NDF: 2237604.9/24

asym_sam_1548_avg_mean vs Slug



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 954.459+/-263.855 χ^2/NDF:11.7/7

Right Out: 458.111+/-241.118 χ^2/NDF: 11.3/18

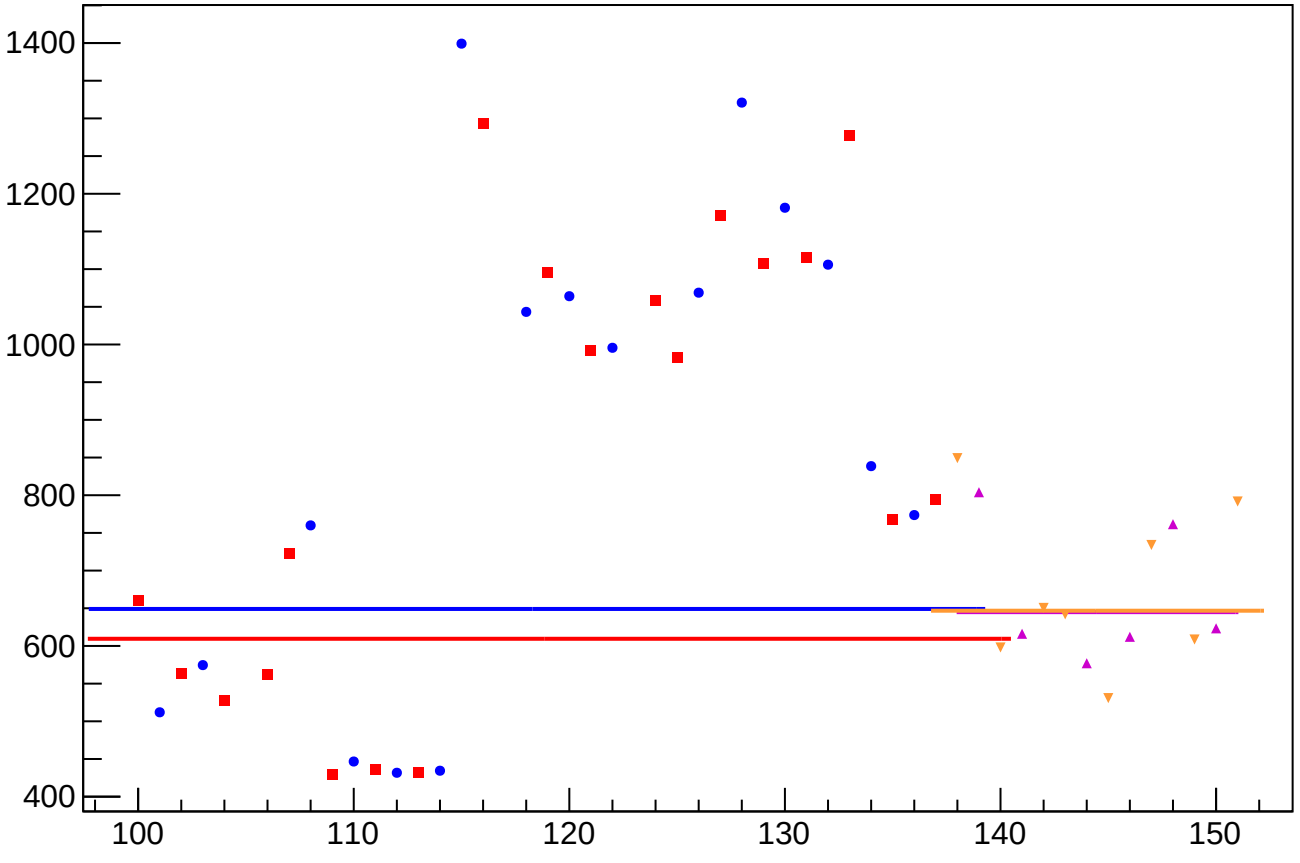
Left In: 449.475+/-284.283 χ^2/NDF:4.1/5

+ sign 491.743+/-185.122 χ^2/NDF: 41.0/23

All: 472.995+/-130.461 χ^2/NDF: 56.4/48

- sign 454.498+/-183.884 χ^2/NDF: 15.3/24

asym_sam_1548_avg_rms vs Slug



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 646.758+/-0.187 χ^2/NDF:260022.4/7

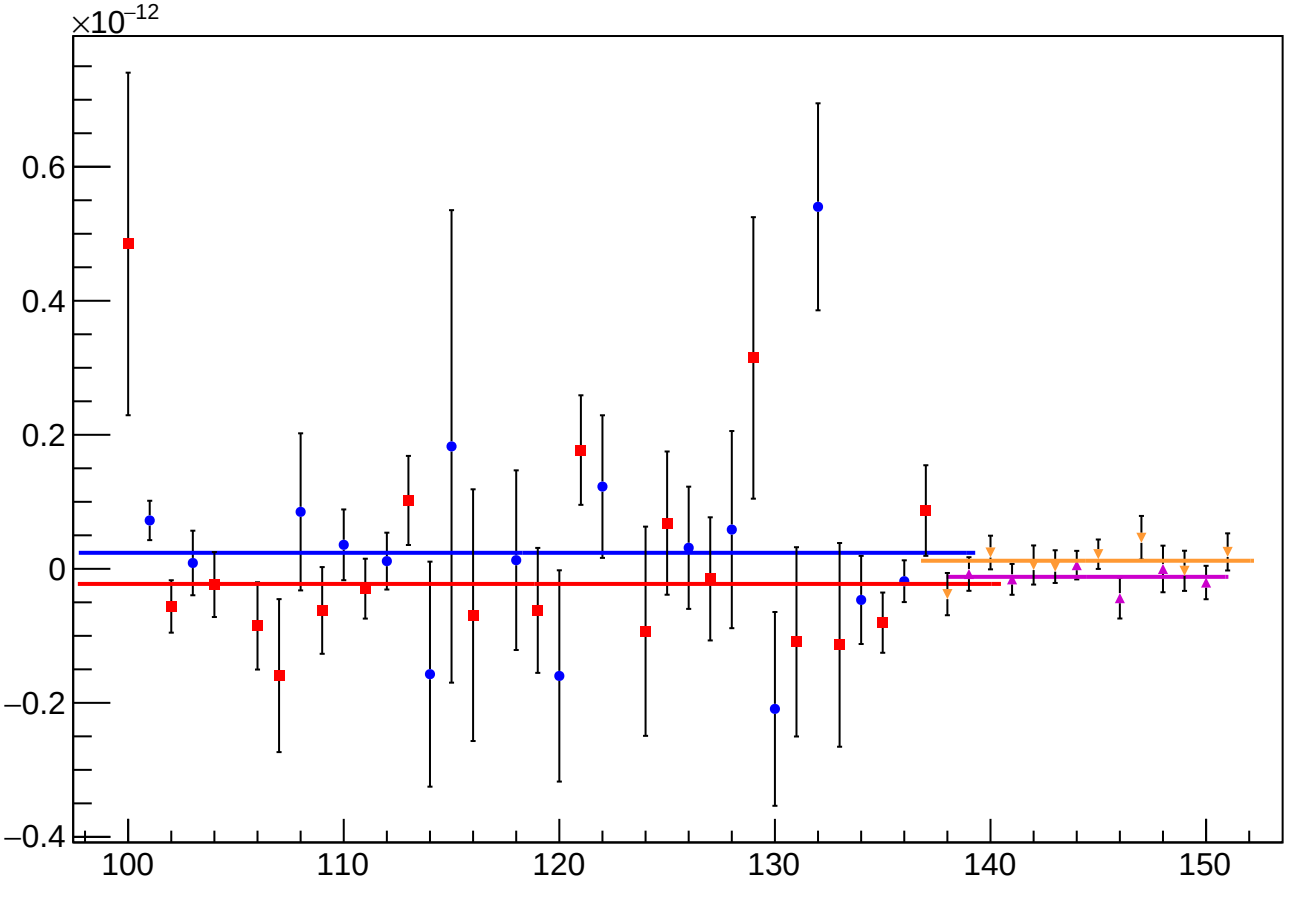
Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 644.854+/-0.201 χ^2/NDF:140035.9/5

+ sign 647.943+/-0.131 χ^2/NDF: 2105917.3/23

All: 636.043+/-0.092 χ^2/NDF: 4323936.4/48

- sign 624.302+/-0.130 χ^2/NDF: 2201601.0/24



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.7/7

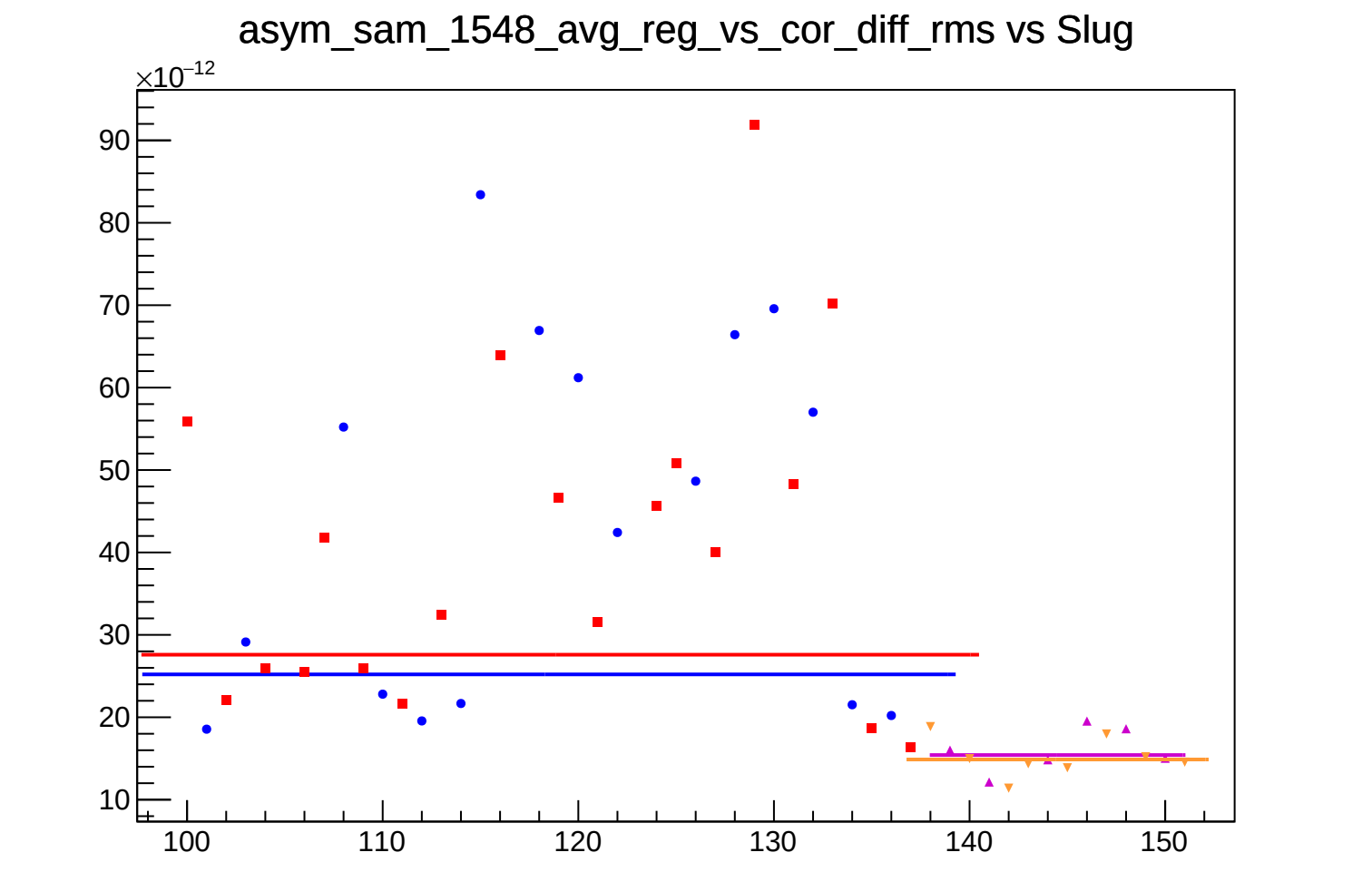
Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: -0.000+/-0.000 χ^2/NDF:2.1/5

+ sign 0.000+/-0.000 χ^2/NDF: 28.7/23

All: 0.000+/-0.000 χ^2/NDF: 63.3/48

- sign -0.000+/-0.000 χ^2/NDF: 28.0/24



Right In: 0.000+/-0.000 χ^2/NDF: 1312245.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:84122.2/7

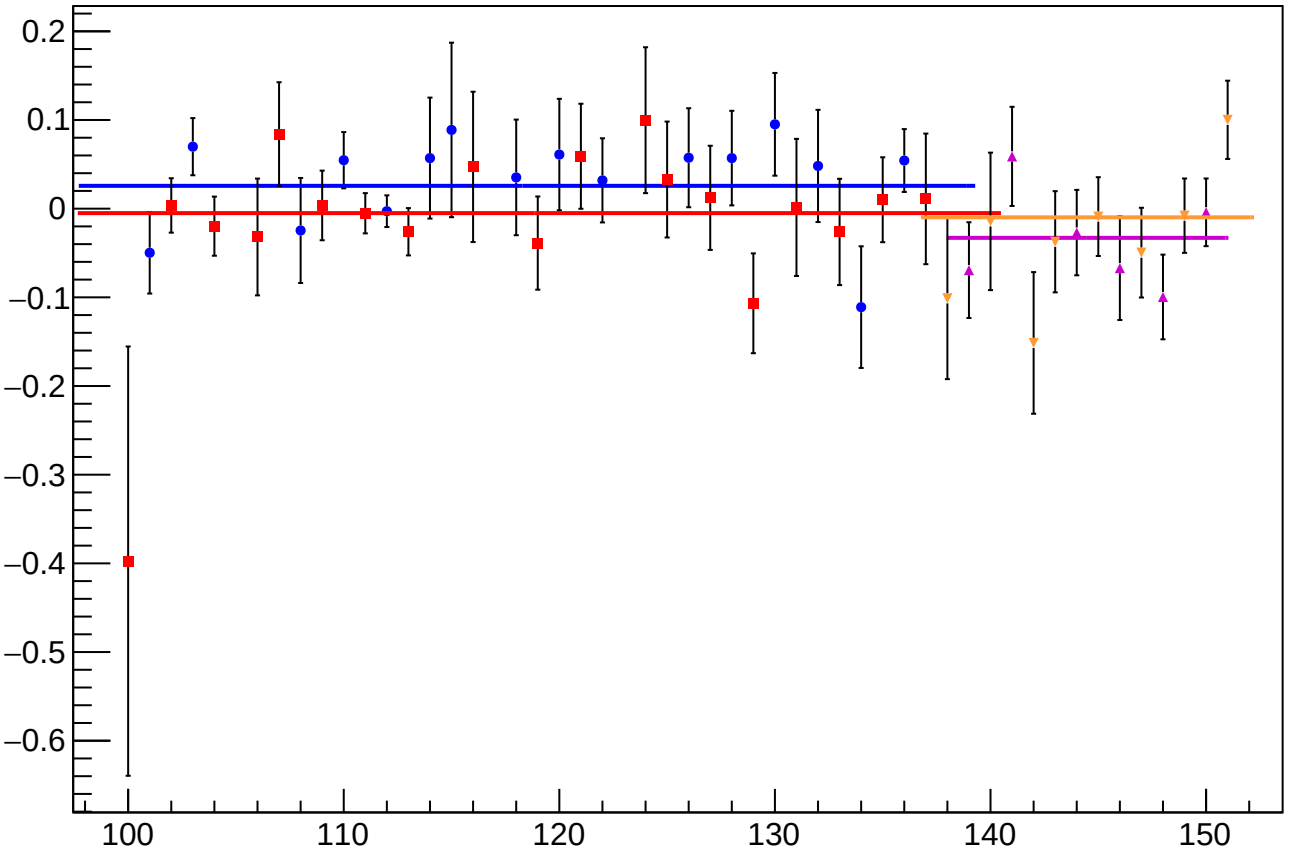
Right Out: 0.000+/-0.000 χ^2/NDF: 988490.8/18

Left In: 0.000+/-0.000 χ^2/NDF:97051.1/5

+ sign 0.000+/-0.000 χ^2/NDF: 2055867.3/23

All: 0.000+/-0.000 χ^2/NDF: 3947616.0/48

- sign 0.000+/-0.000 χ^2/NDF: 1874025.5/24



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.010+/-0.019 χ^2/NDF:11.2/7

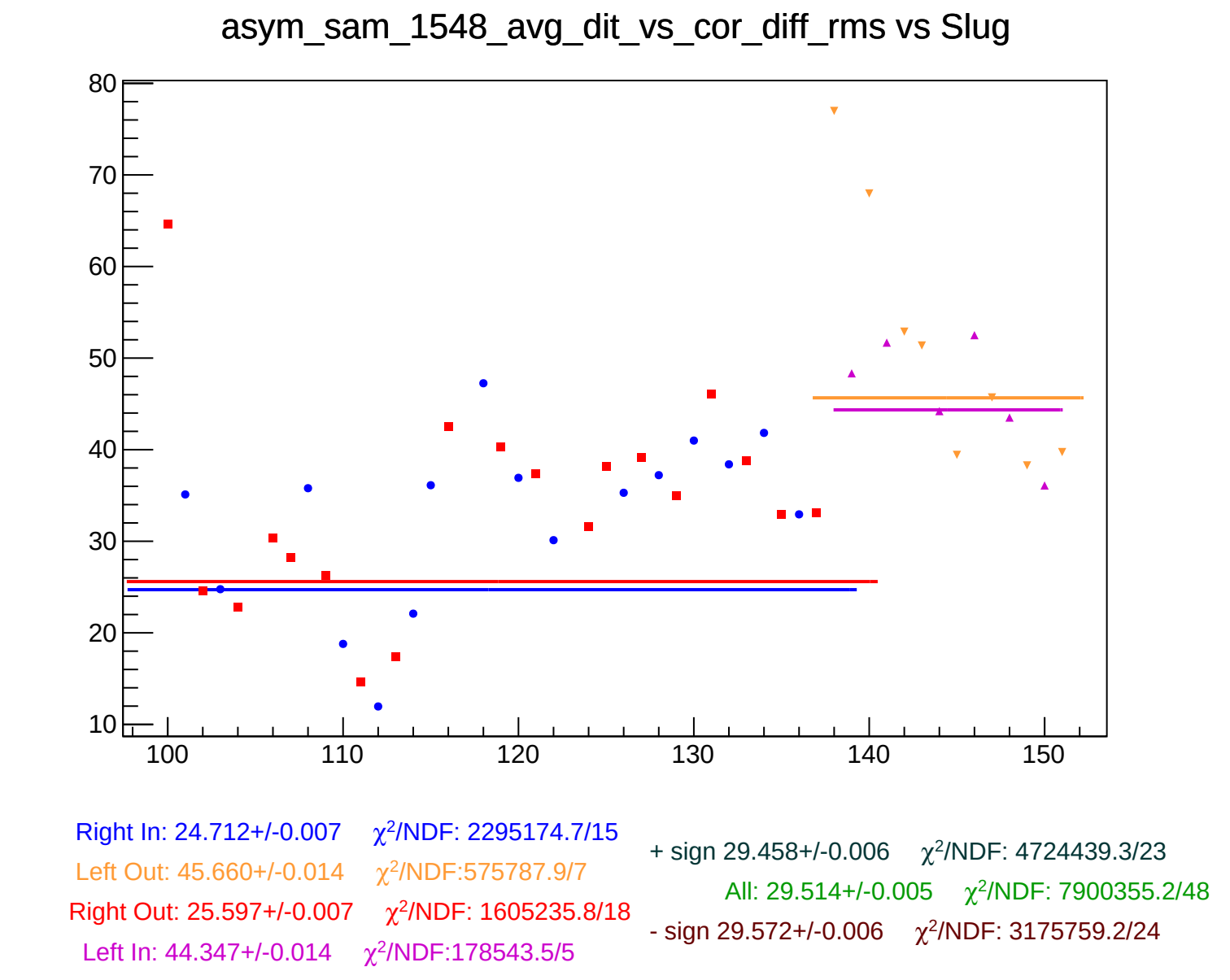
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

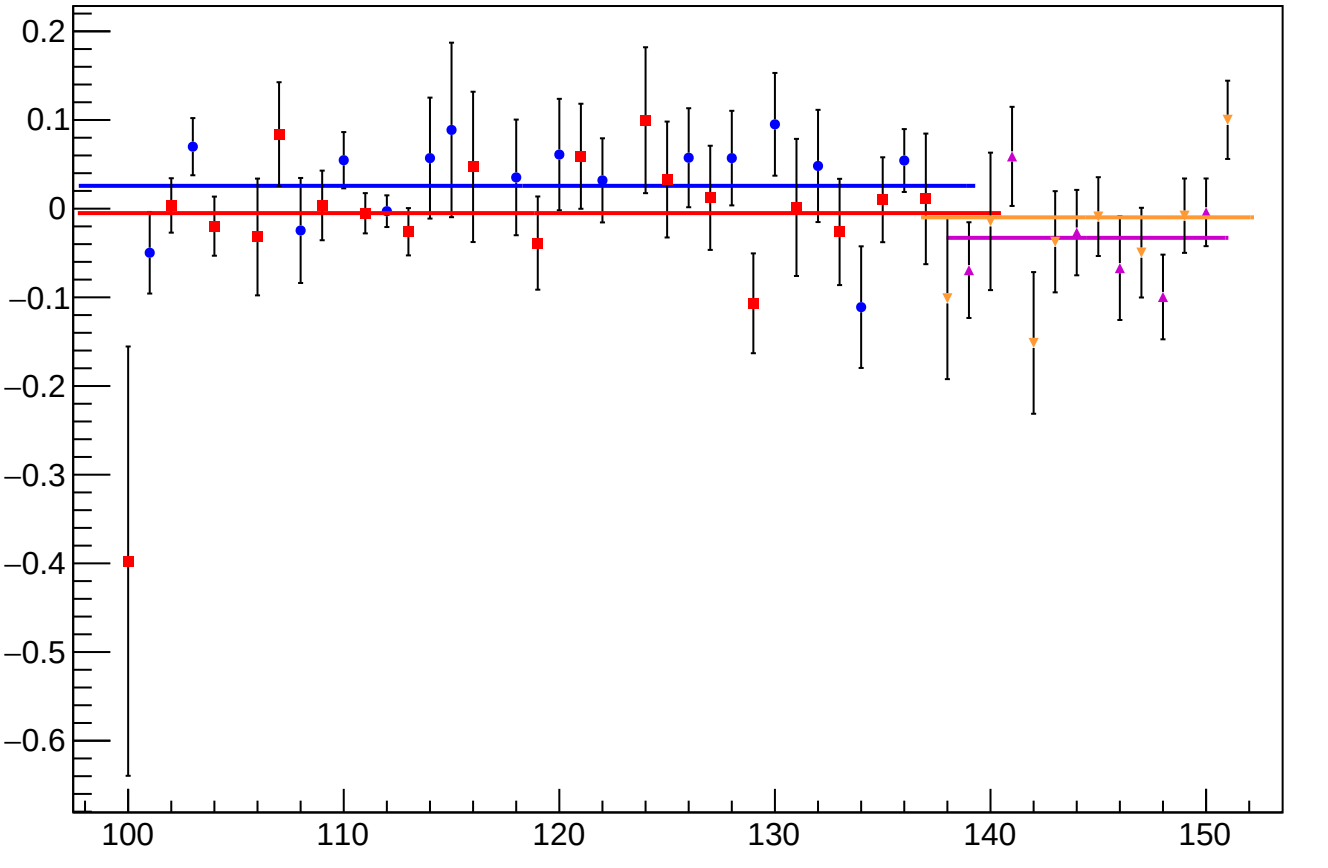
Left In: -0.033+/-0.020 χ^2/NDF:6.0/5

+ sign 0.018+/-0.009 χ^2/NDF: 30.4/23

All: 0.004+/-0.006 χ^2/NDF: 56.5/48

- sign -0.011+/-0.009 χ^2/NDF: 21.2/24


asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug
80
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 24.712+/-0.007 χ²/NDF: 2295174.7/15
Left Out: 45.660+/-0.014 χ²/NDF:575787.9/7
Right Out: 25.597+/-0.007 χ²/NDF: 1605235.8/18
Left In: 44.347+/-0.014 χ²/NDF:178543.5/5
+ sign 29.458+/-0.006 χ²/NDF: 4724439.3/23
All: 29.514+/-0.005 χ²/NDF: 7900355.2/48
- sign 29.572+/-0.006 χ²/NDF: 3175759.2/24



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.010+/-0.019 χ^2/NDF:11.2/7

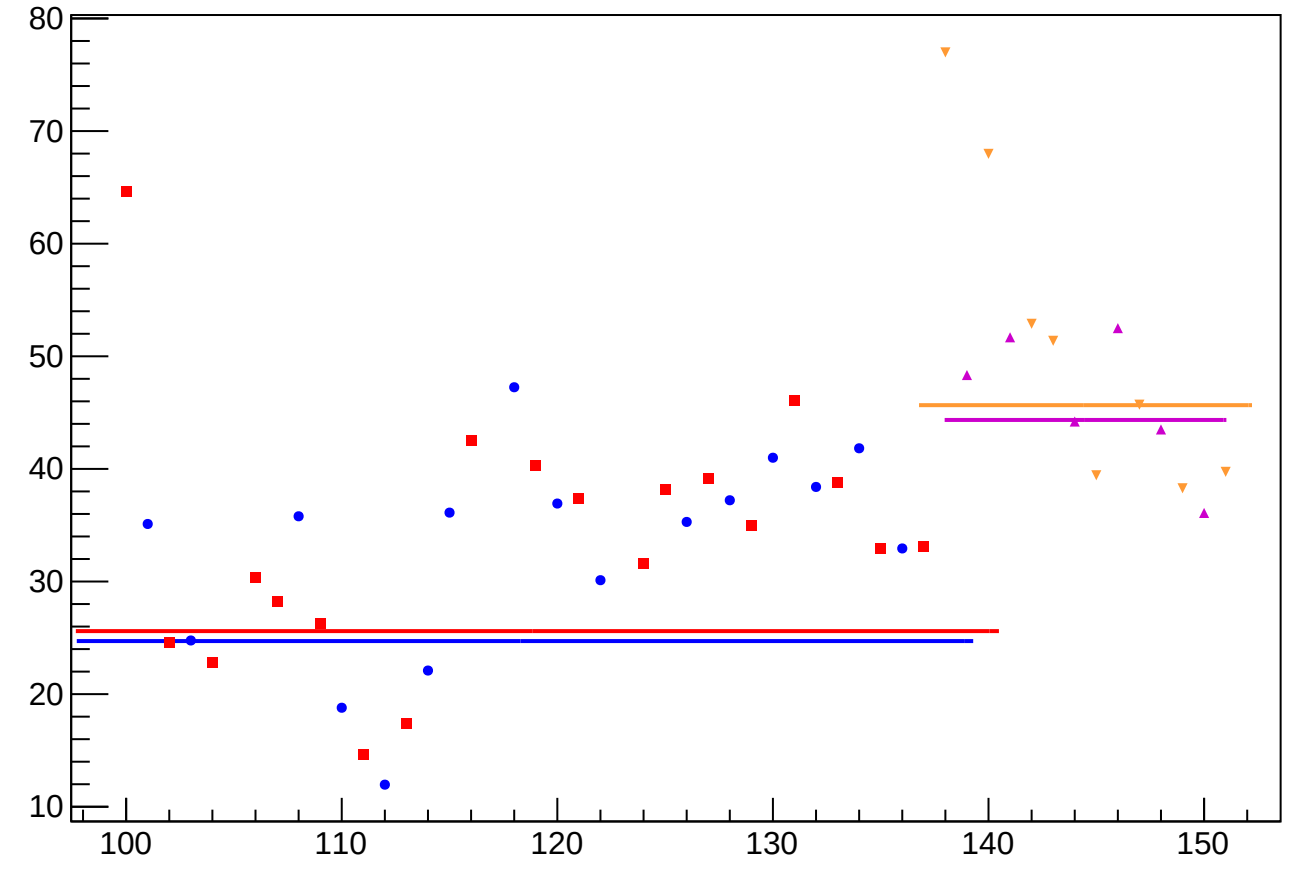
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.033+/-0.020 χ^2/NDF:6.0/5

+ sign 0.018+/-0.009 χ^2/NDF: 30.4/23

All: 0.004+/-0.006 χ^2/NDF: 56.5/48

- sign -0.011+/-0.009 χ^2/NDF: 21.2/24



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 45.660+/-0.014 χ^2/NDF:575787.9/7

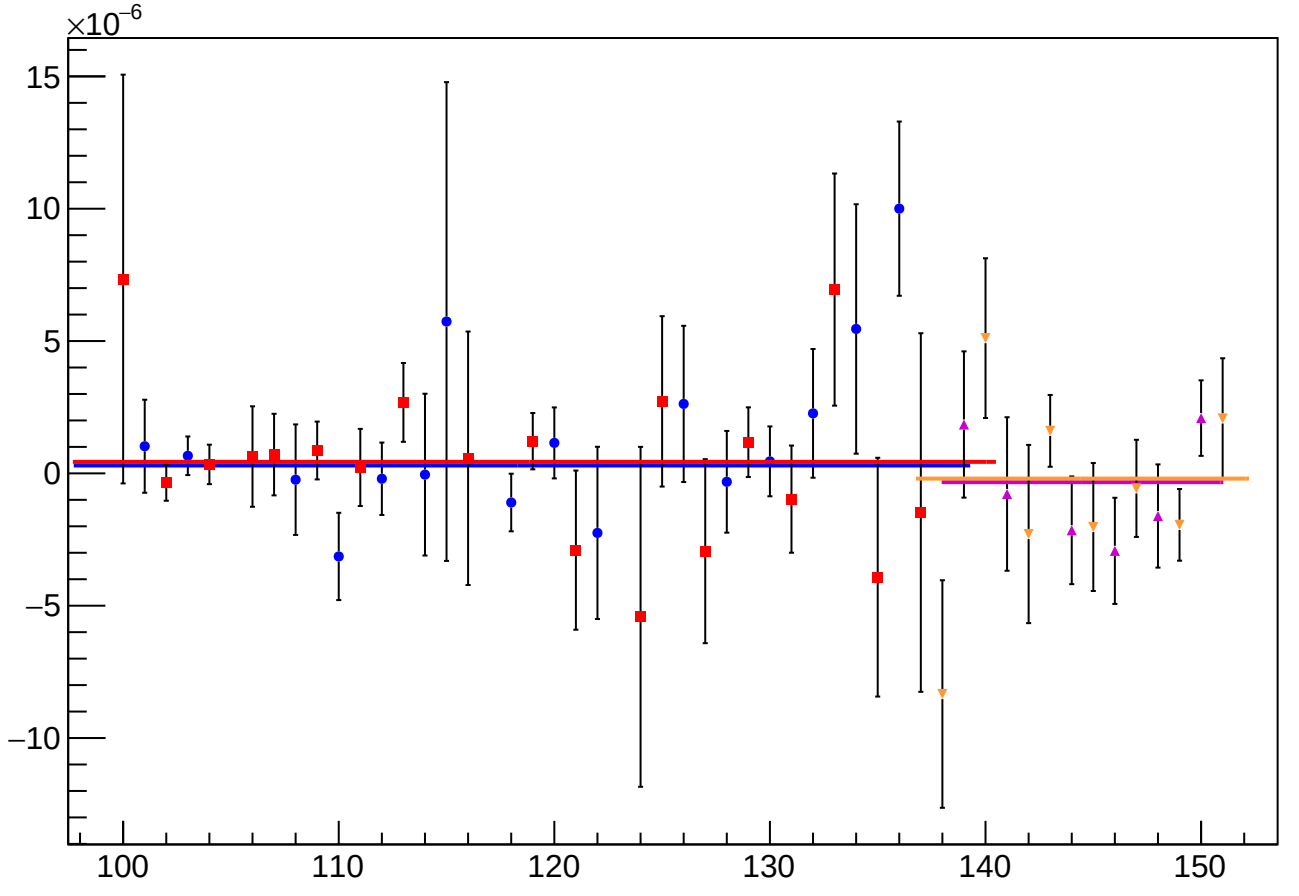
Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 44.347+/-0.014 χ^2/NDF:178543.5/5

\+ sign 29.458+/-0.006 χ^2/NDF: 4724439.3/23

All: 29.514+/-0.005 χ^2/NDF: 7900355.2/48

\- sign 29.572+/-0.006 χ^2/NDF: 3175759.2/24



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.1/7

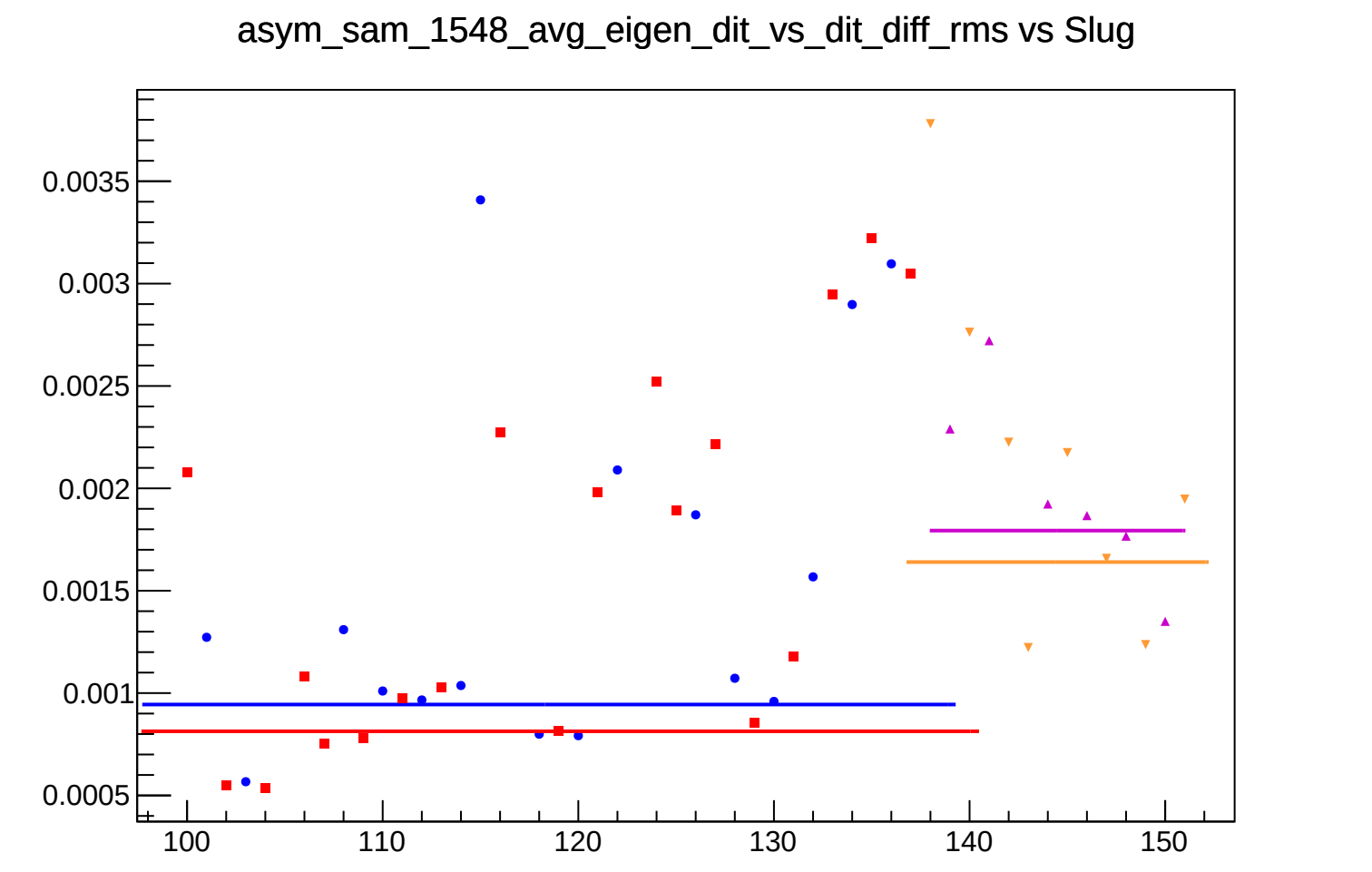
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

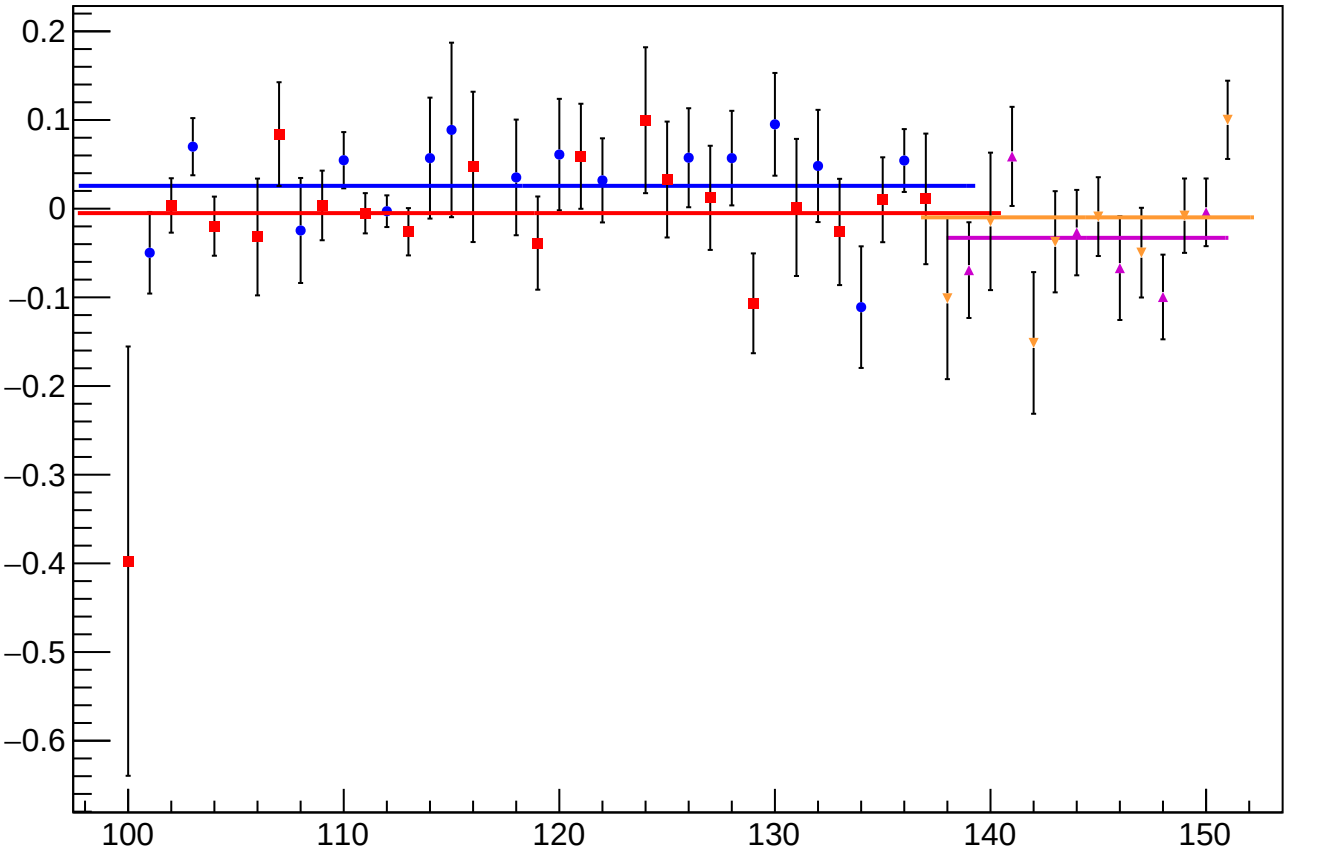
Left In: -0.000+/-0.000 χ^2/NDF:6.4/5

+ sign 0.000+/-0.000 χ^2/NDF: 31.8/23

All: 0.000+/-0.000 χ^2/NDF: 51.7/48

- sign 0.000+/-0.000 χ^2/NDF: 19.9/24


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
Right In: 0.001+/-0.000 χ²/NDF: 2665853.3/15
Left Out: 0.002+/-0.000 χ²/NDF:1334508.5/7
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:473468.7/5
+ sign 0.001+/-0.000 χ²/NDF: 5466902.7/23
All: 0.001+/-0.000 χ²/NDF: 11848696.4/48
- sign 0.001+/-0.000 χ²/NDF: 6163734.5/24



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.010+/-0.019 χ^2/NDF:11.2/7

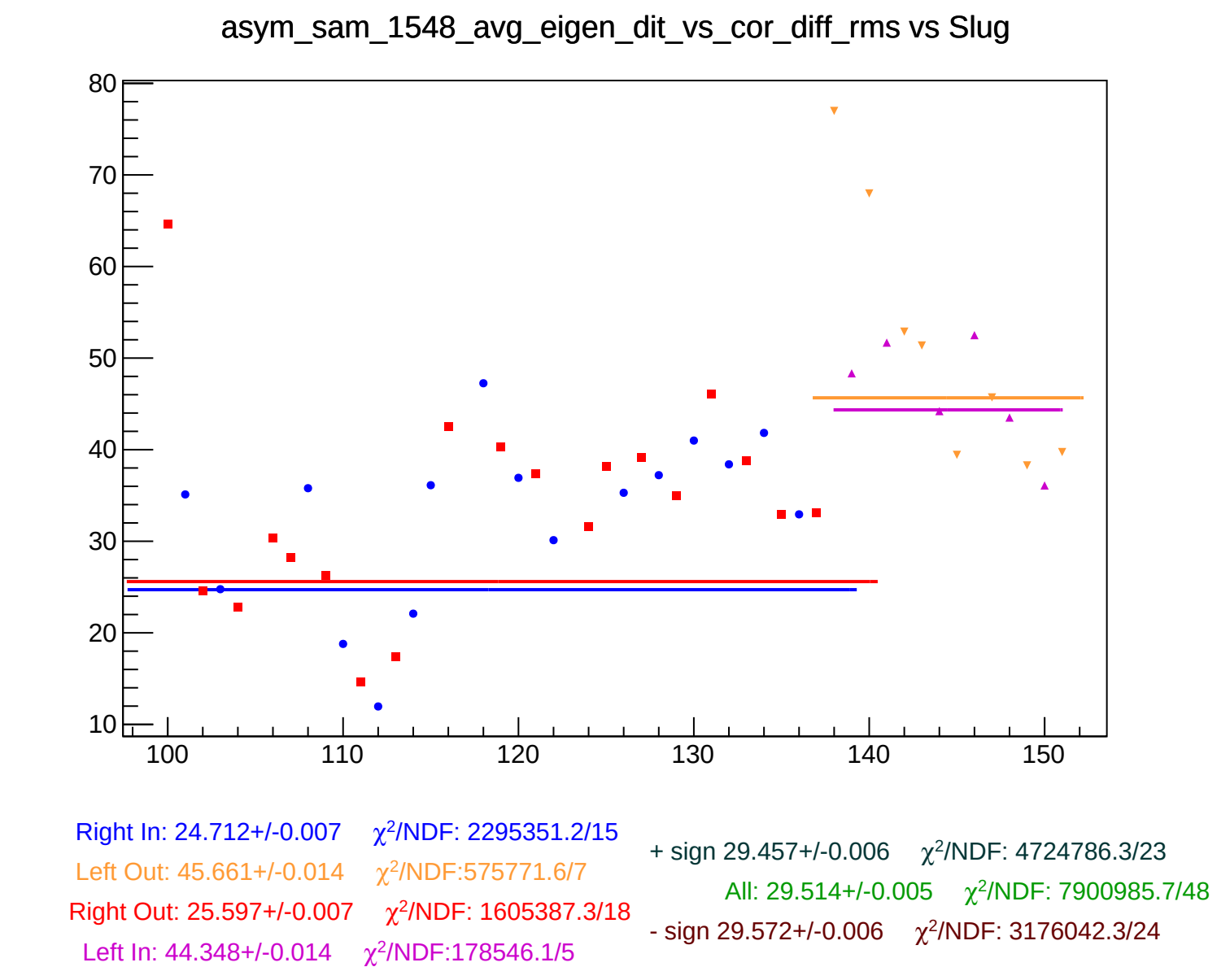
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

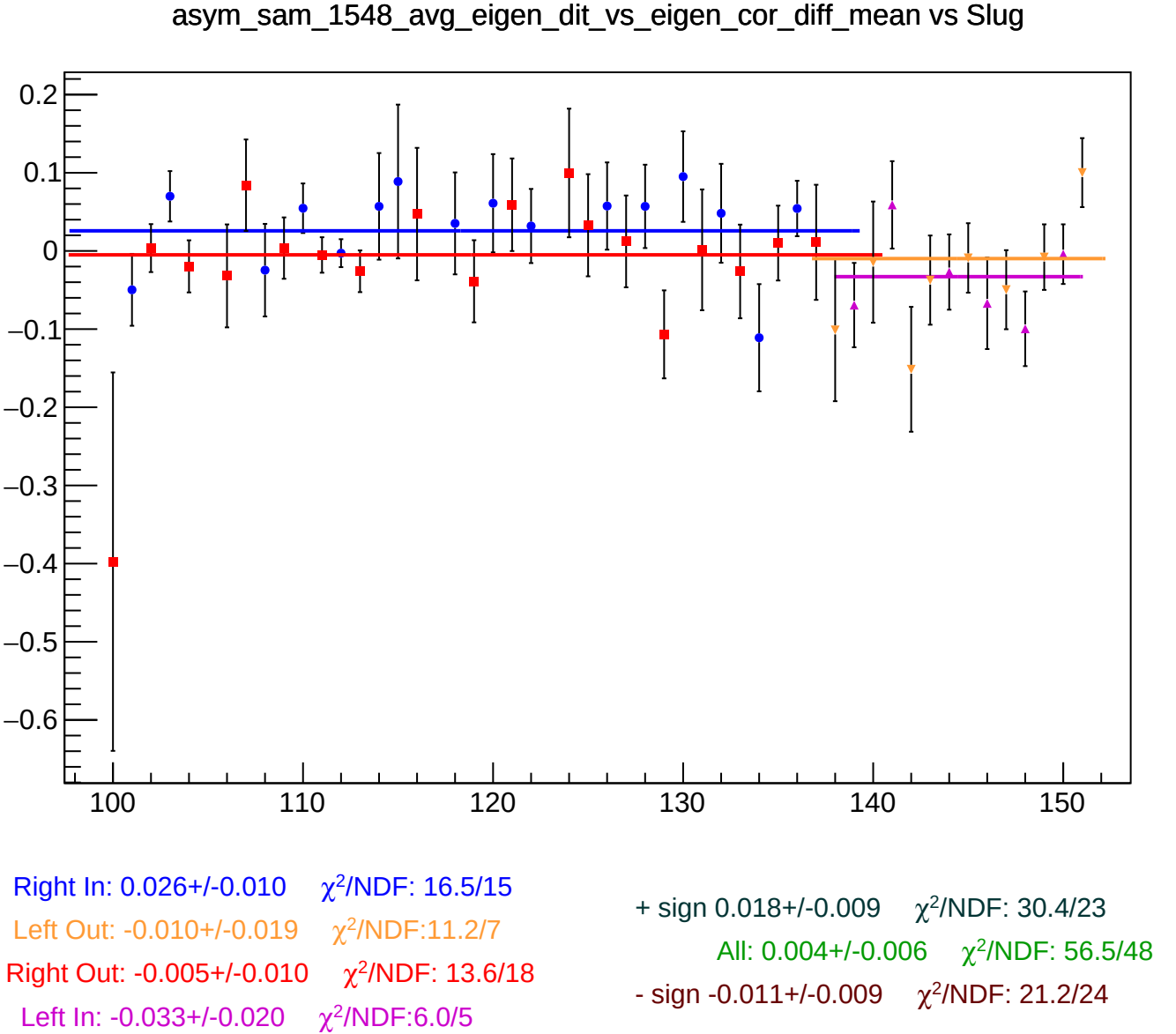
Left In: -0.033+/-0.020 χ^2/NDF:6.0/5

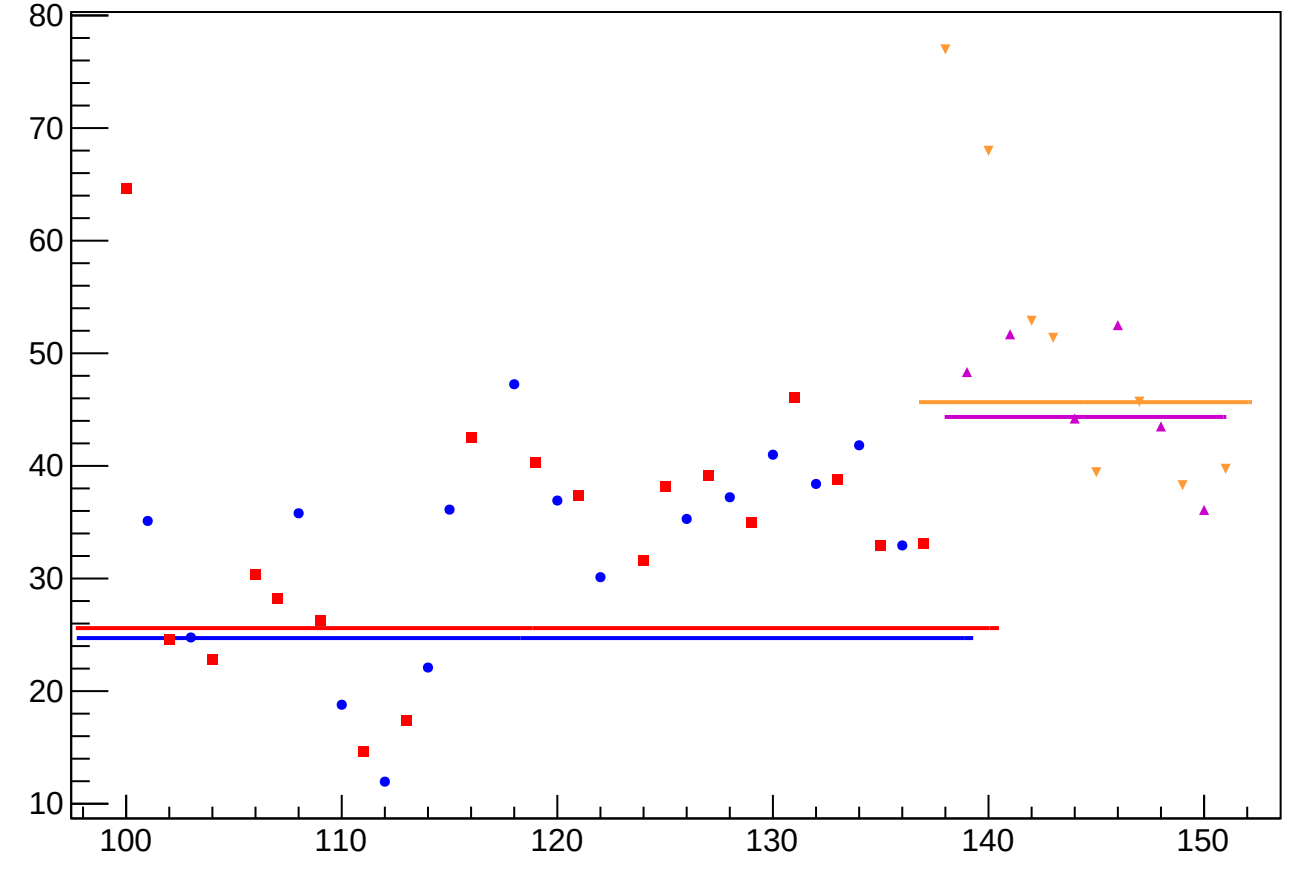
+ sign 0.018+/-0.009 χ^2/NDF: 30.4/23

All: 0.004+/-0.006 χ^2/NDF: 56.5/48

- sign -0.011+/-0.009 χ^2/NDF: 21.2/24


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
Right In: 24.712+/-0.007 χ²/NDF: 2295351.2/15
Left Out: 45.661+/-0.014 χ²/NDF:575771.6/7
Right Out: 25.597+/-0.007 χ²/NDF: 1605387.3/18
Left In: 44.348+/-0.014 χ²/NDF:178546.1/5
+ sign 29.457+/-0.006 χ²/NDF: 4724786.3/23
All: 29.514+/-0.005 χ²/NDF: 7900985.7/48
- sign 29.572+/-0.006 χ²/NDF: 3176042.3/24


asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
100
110
120
130
140
150
Right In: 0.026+/-0.010 χ²/NDF: 16.5/15
Left Out: -0.010+/-0.019 χ²/NDF:11.2/7
Right Out: -0.005+/-0.010 χ²/NDF: 13.6/18
Left In: -0.033+/-0.020 χ²/NDF:6.0/5
+ sign 0.018+/-0.009 χ²/NDF: 30.4/23
All: 0.004+/-0.006 χ²/NDF: 56.5/48
- sign -0.011+/-0.009 χ²/NDF: 21.2/24



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 45.661+/-0.014 χ^2/NDF:575771.6/7

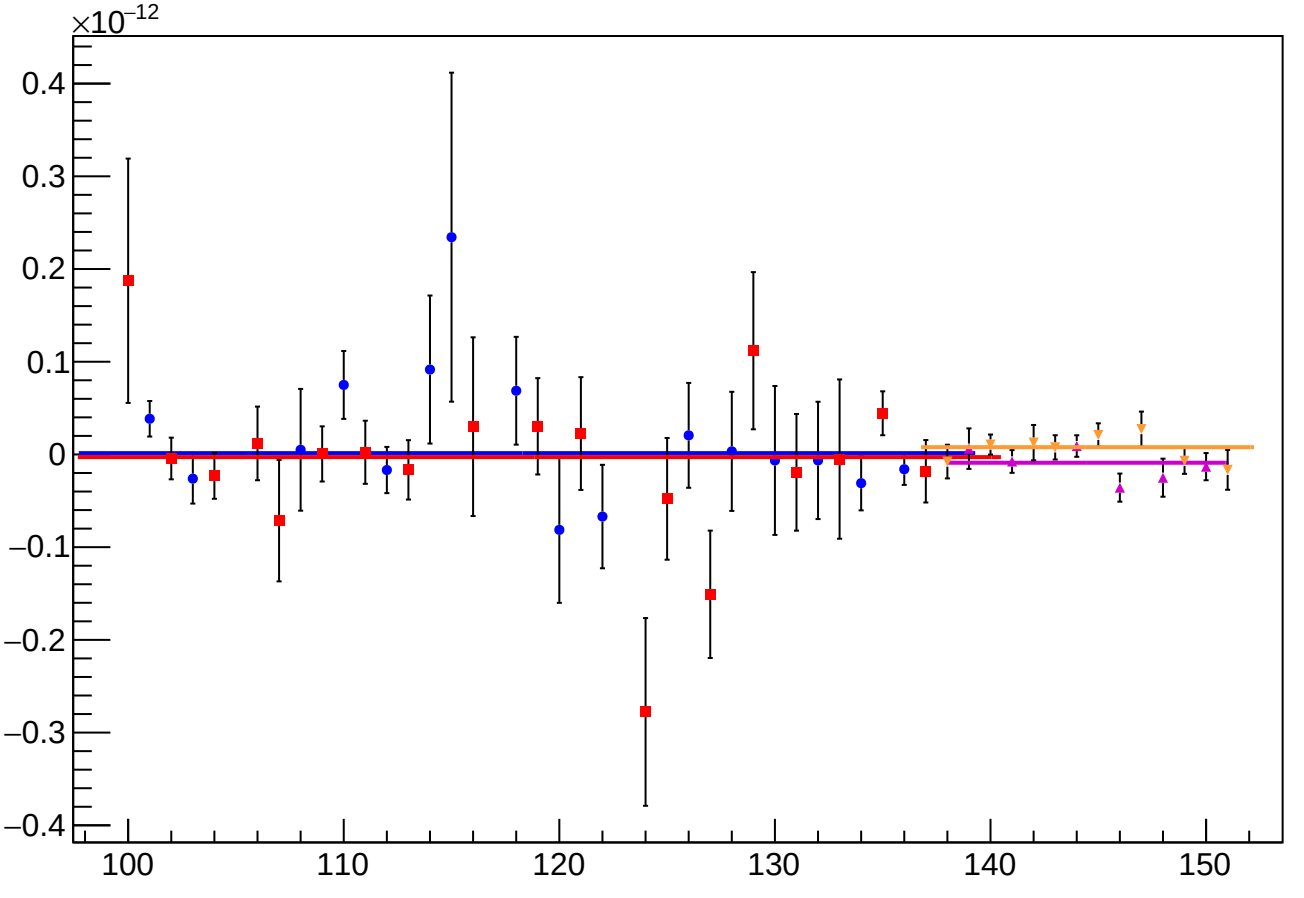
Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 44.348+/-0.014 χ^2/NDF:178546.1/5

+ sign 29.457+/-0.006 χ^2/NDF: 4724786.3/23

All: 29.514+/-0.005 χ^2/NDF: 7900985.7/48

- sign 29.572+/-0.006 χ^2/NDF: 3176042.3/24



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.4/7

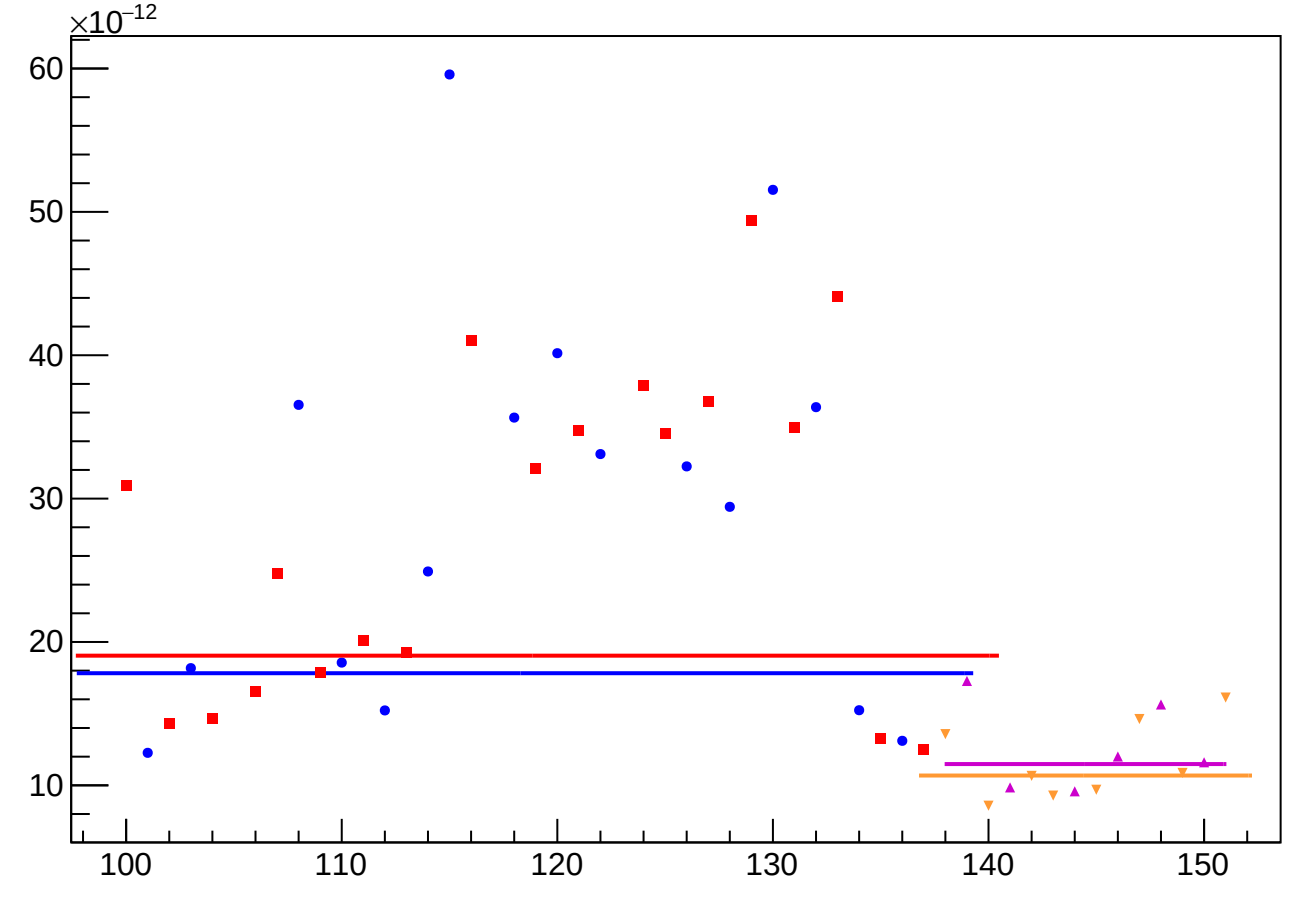
Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: -0.000+/-0.000 χ^2/NDF:6.7/5

+ sign 0.000+/-0.000 χ^2/NDF: 24.6/23

All: 0.000+/-0.000 χ^2/NDF: 58.9/48

- sign -0.000+/-0.000 χ^2/NDF: 30.5/24



Right In: 0.000+/-0.000 χ^2/NDF: 1869965.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:377660.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1620721.2/18

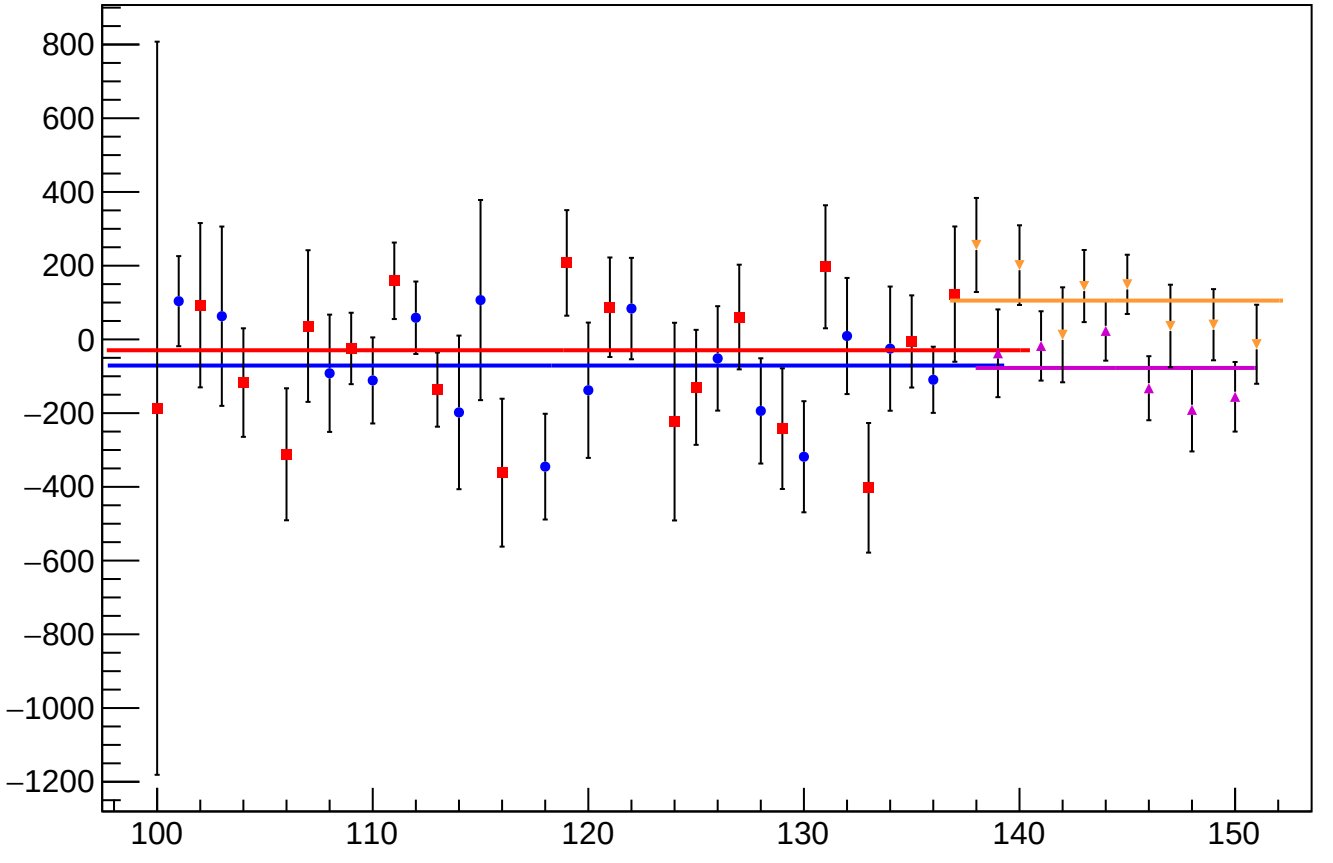
Left In: 0.000+/-0.000 χ^2/NDF:314205.9/5

+ sign 0.000+/-0.000 χ^2/NDF: 3240434.5/23

All: 0.000+/-0.000 χ^2/NDF: 6192314.0/48

- sign 0.000+/-0.000 χ^2/NDF: 2889355.3/24

reg_asym_sam_3748_avg_mean vs Slug



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 105.347+/-36.747 χ^2/NDF:5.2/7

Right Out: -29.410+/-34.243 χ^2/NDF: 24.0/18

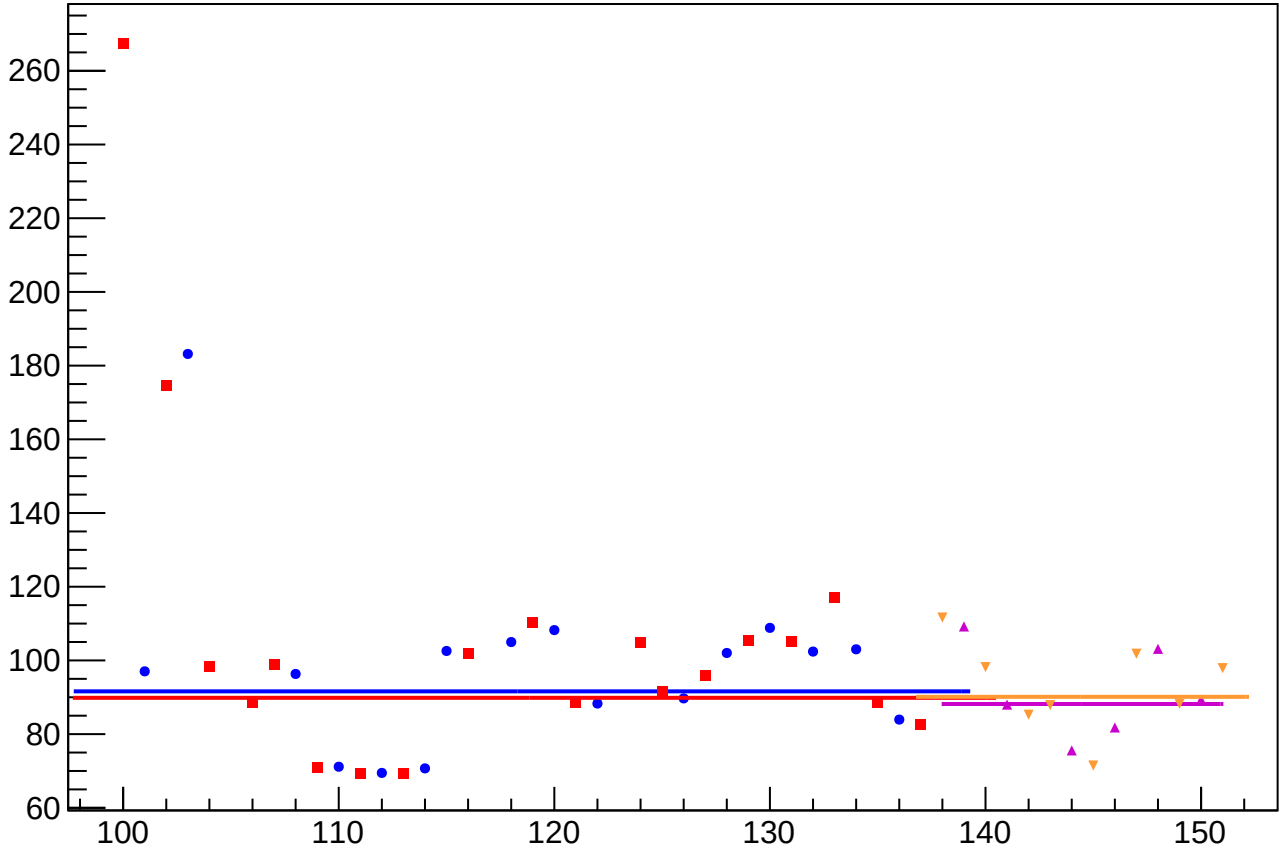
Left In: -77.417+/-38.929 χ^2/NDF:4.2/5

+ sign 13.246+/-25.390 χ^2/NDF: 31.3/23

All: -18.153+/-18.066 χ^2/NDF: 63.4/48

- sign -50.352+/-25.711 χ^2/NDF: 29.0/24

reg_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 90.121+/-0.026 χ^2/NDF:212637.3/7

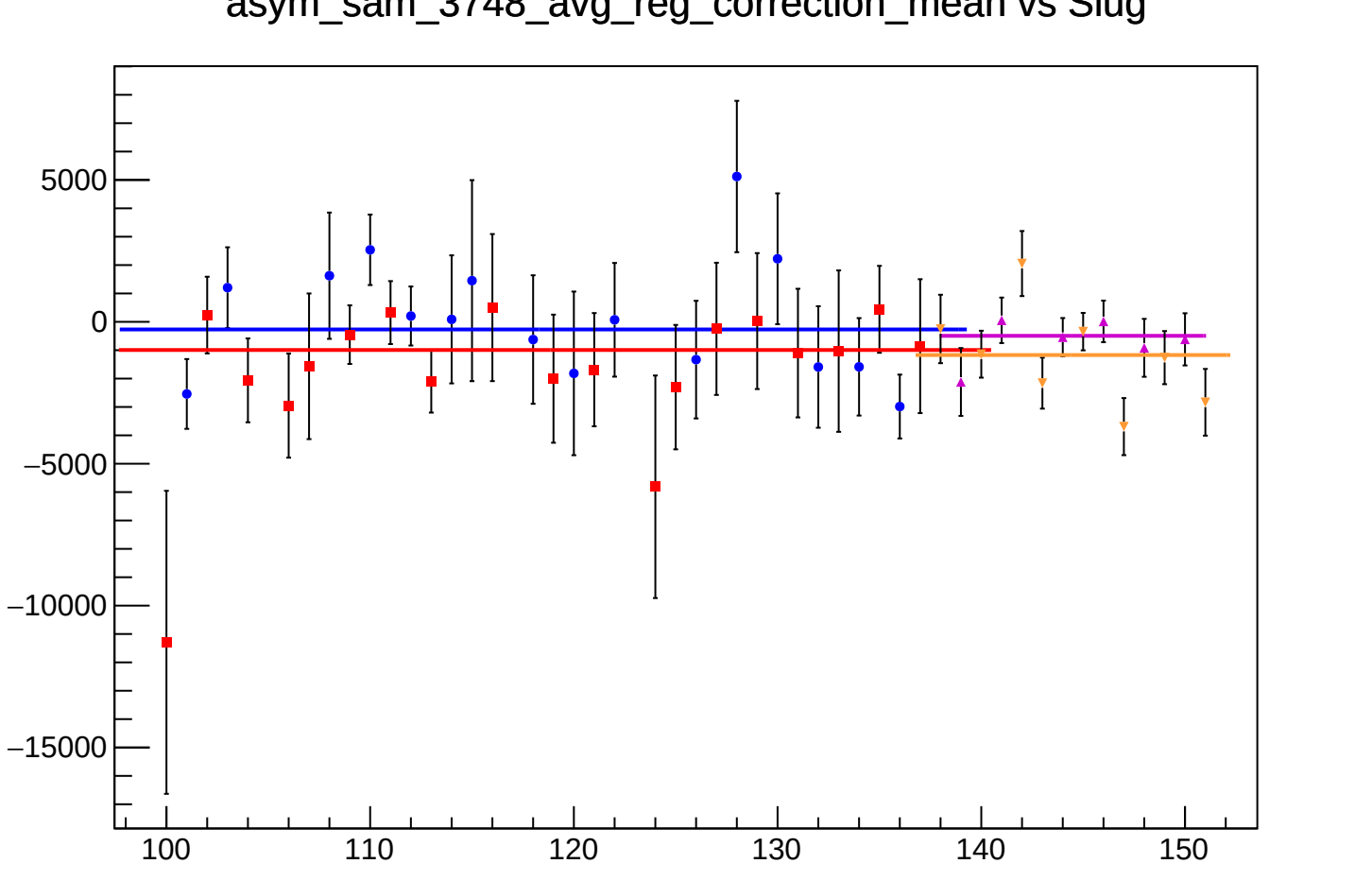
Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 88.178+/-0.028 χ^2/NDF:157359.8/5

+ sign 90.898+/-0.018 χ^2/NDF: 795022.0/23

All: 90.022+/-0.013 χ^2/NDF: 1705586.7/48

- sign 89.123+/-0.018 χ^2/NDF: 905739.8/24



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -1170.079+/-327.909 χ^2/NDF:19.6/7

Right Out: -992.670+/-400.824 χ^2/NDF: 12.7/18

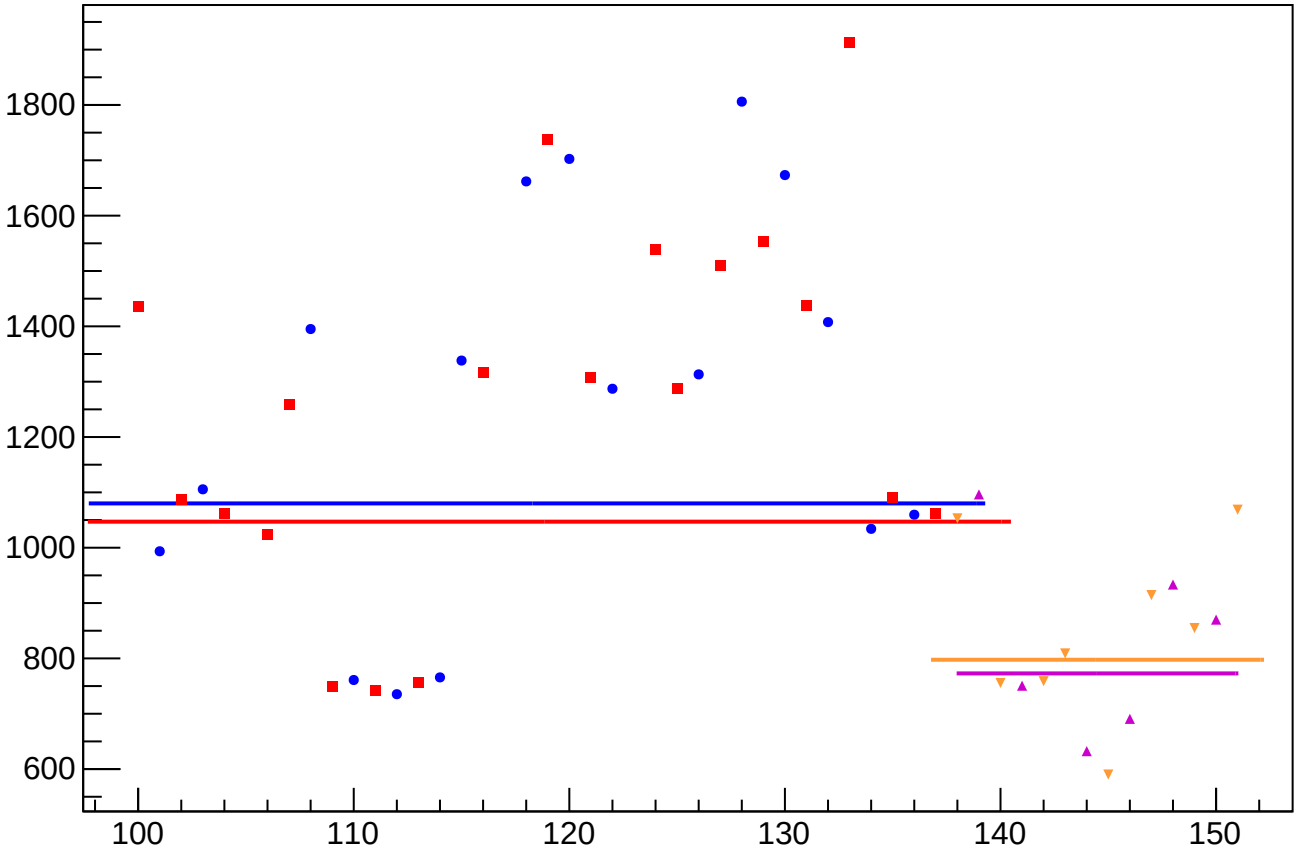
Left In: -492.994+/-343.951 χ^2/NDF:3.0/5

+ sign -828.212+/-258.366 χ^2/NDF: 45.9/23

All: -767.185+/-183.624 χ^2/NDF: 62.5/48

- sign -704.896+/-261.022 χ^2/NDF: 16.5/24

asym_sam_3748_avg_reg_correction_rms vs Slug



Right In: 1080.045+/-0.297 χ^2/NDF: 1053468.5/15

Left Out: 797.555+/-0.232 χ^2/NDF:436113.4/7

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

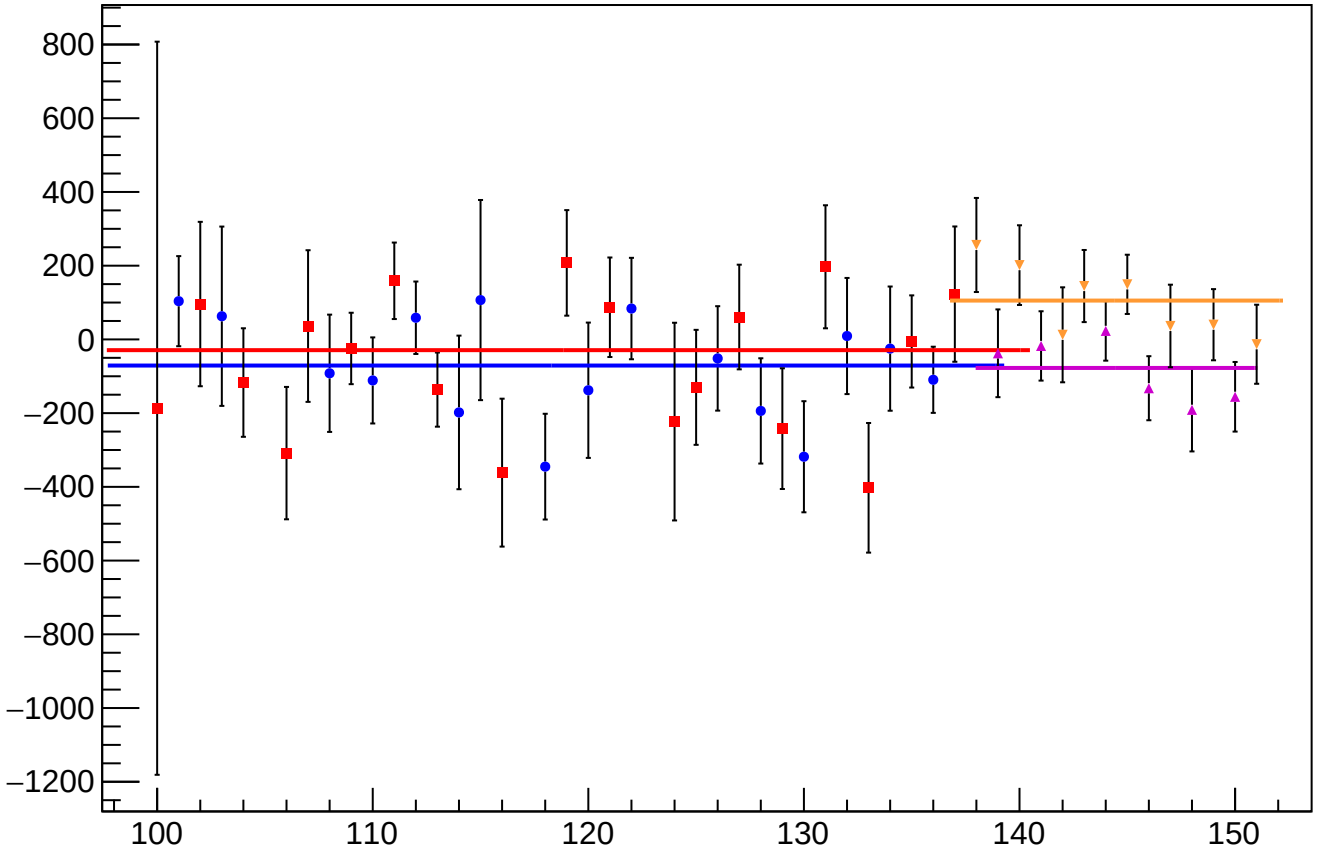
Left In: 772.896+/-0.243 χ^2/NDF:331264.6/5

+ sign 904.670+/-0.183 χ^2/NDF: 2052409.6/23

All: 896.998+/-0.130 χ^2/NDF: 4124811.8/48

- sign 889.166+/-0.185 χ^2/NDF: 2068838.3/24

cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 105.356+/-36.747 χ^2/NDF:5.2/7

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

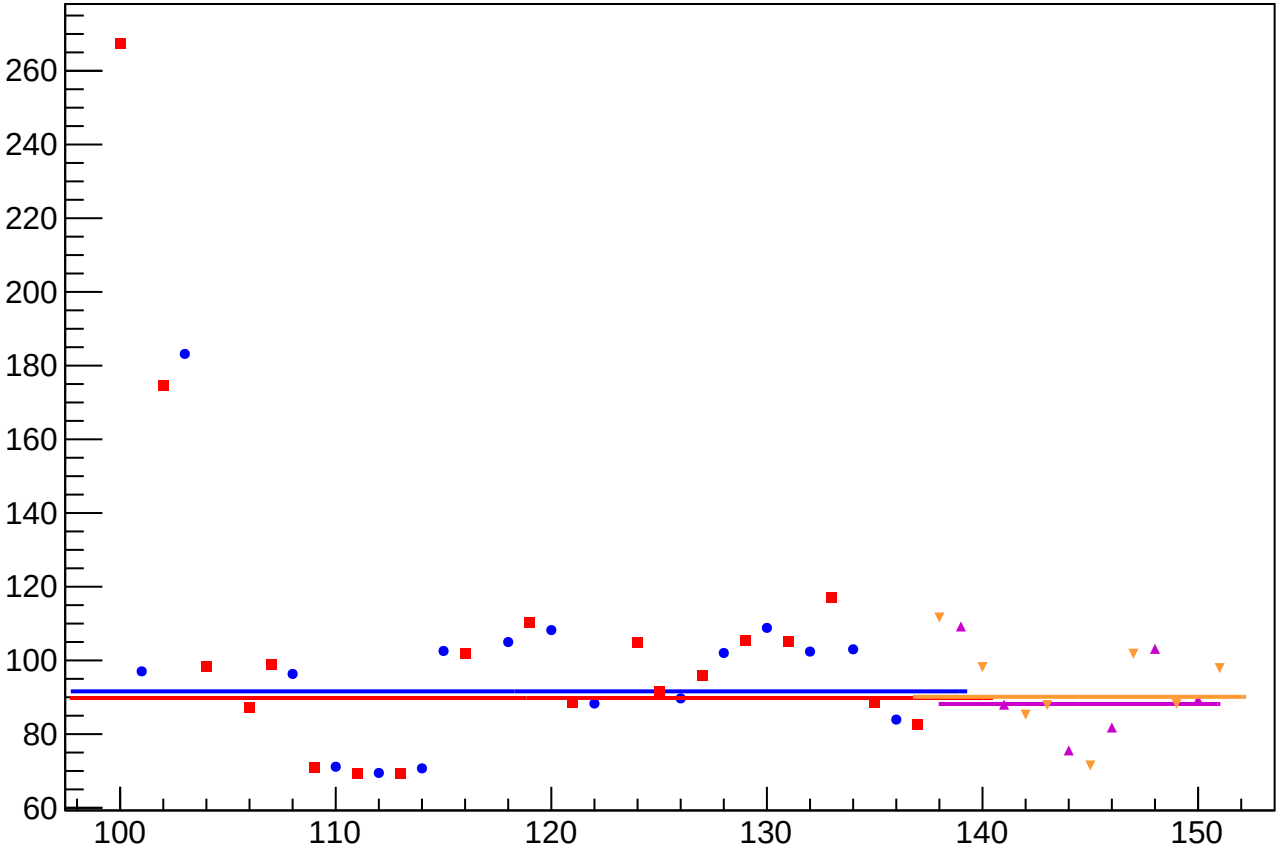
Left In: -77.420+/-38.929 χ^2/NDF:4.2/5

+ sign 13.244+/-25.390 χ^2/NDF: 31.3/23

All: -18.084+/-18.067 χ^2/NDF: 63.4/48

- sign -50.215+/-25.713 χ^2/NDF: 29.0/24

cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 90.121+/-0.026 χ^2/NDF:212637.3/7

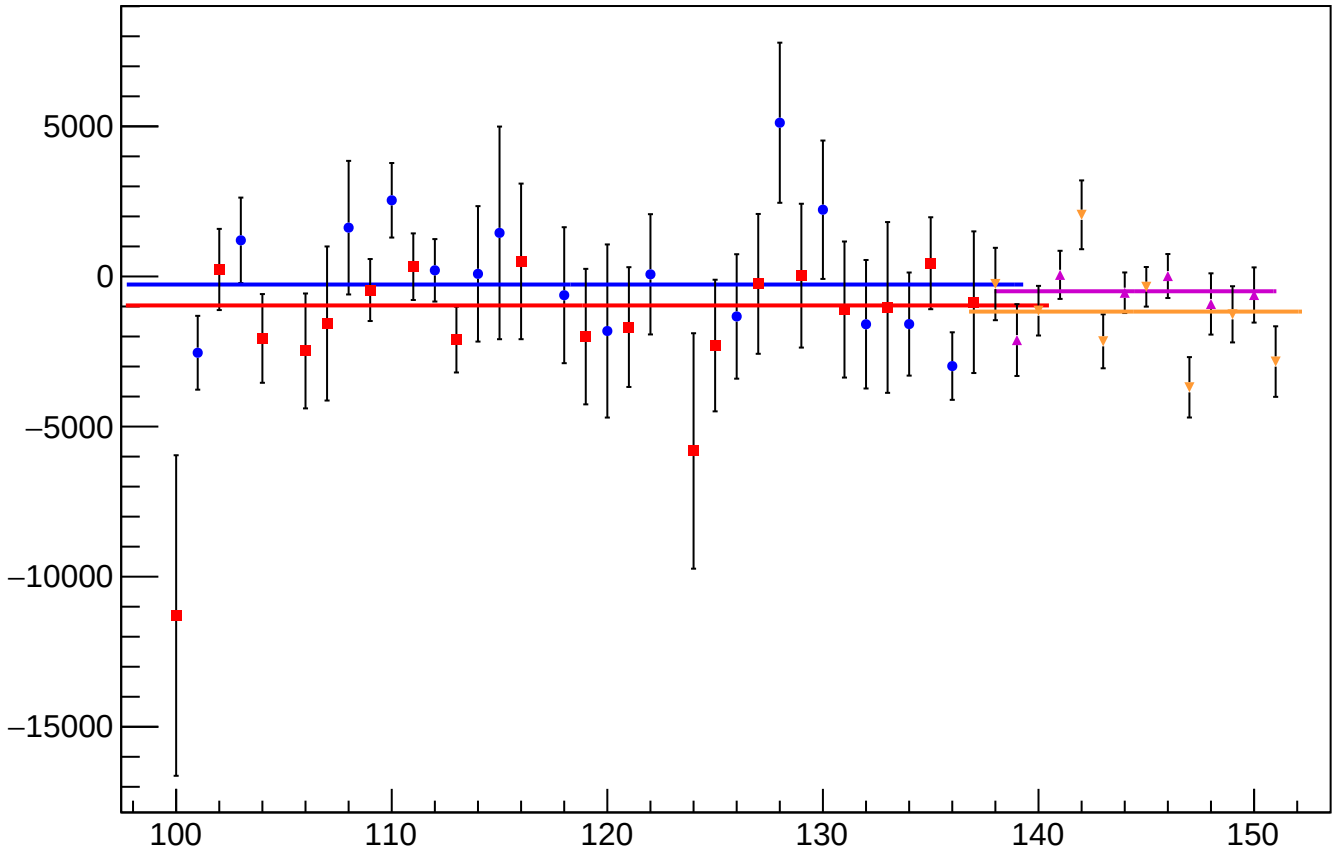
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 88.178+/-0.028 χ^2/NDF:157359.8/5

+ sign 90.898+/-0.018 χ^2/NDF: 795025.2/23

All: 90.009+/-0.013 χ^2/NDF: 1706164.0/48

- sign 89.096+/-0.018 χ^2/NDF: 906167.2/24



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1170.070+/-327.909 χ^2/NDF:19.6/7

Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

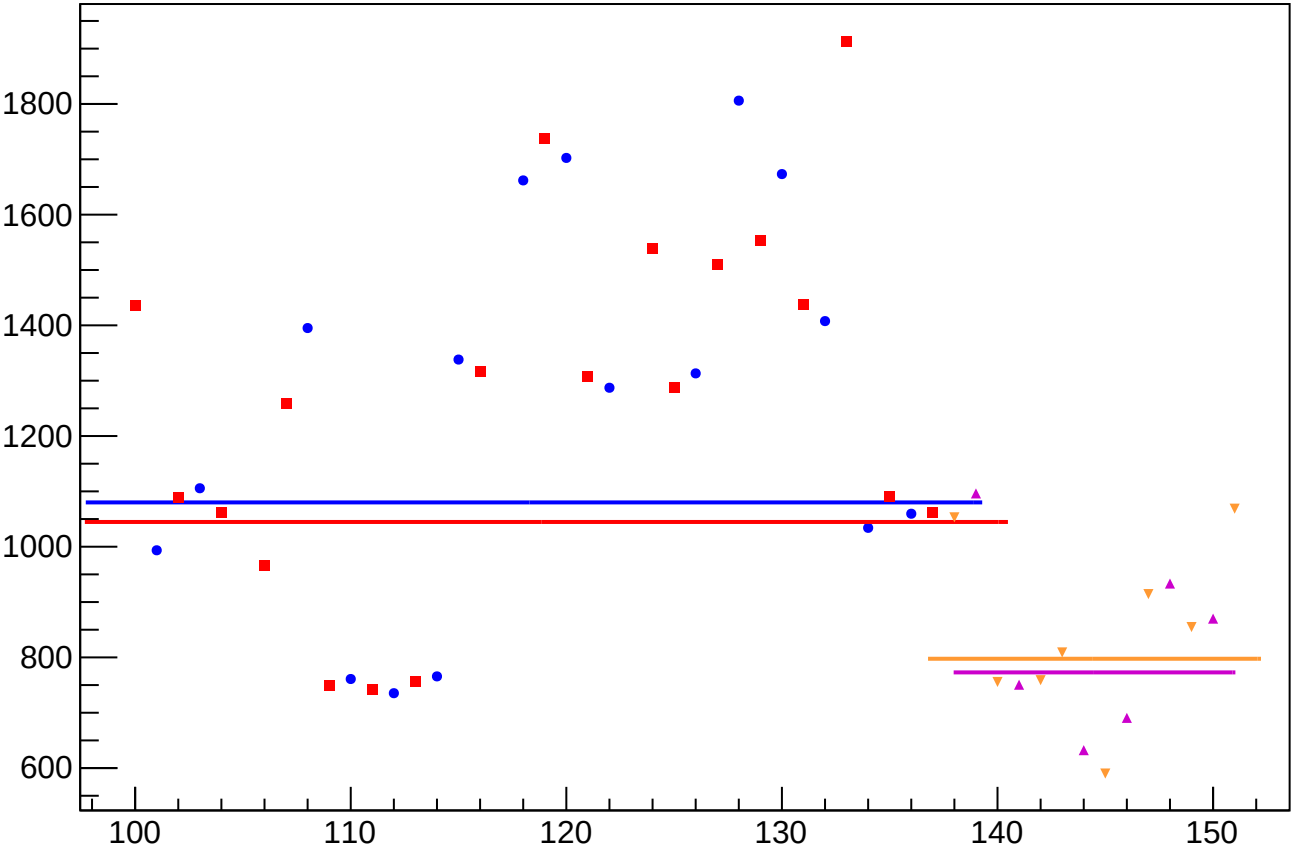
Left In: -493.003+/-343.951 χ^2/NDF:3.0/5

+ sign -828.217+/-258.367 χ^2/NDF: 45.9/23

All: -761.208+/-183.702 χ^2/NDF: 61.9/48

- sign -692.697+/-261.245 χ^2/NDF: 15.9/24

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 797.555+/-0.232 χ^2/NDF:436115.9/7

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

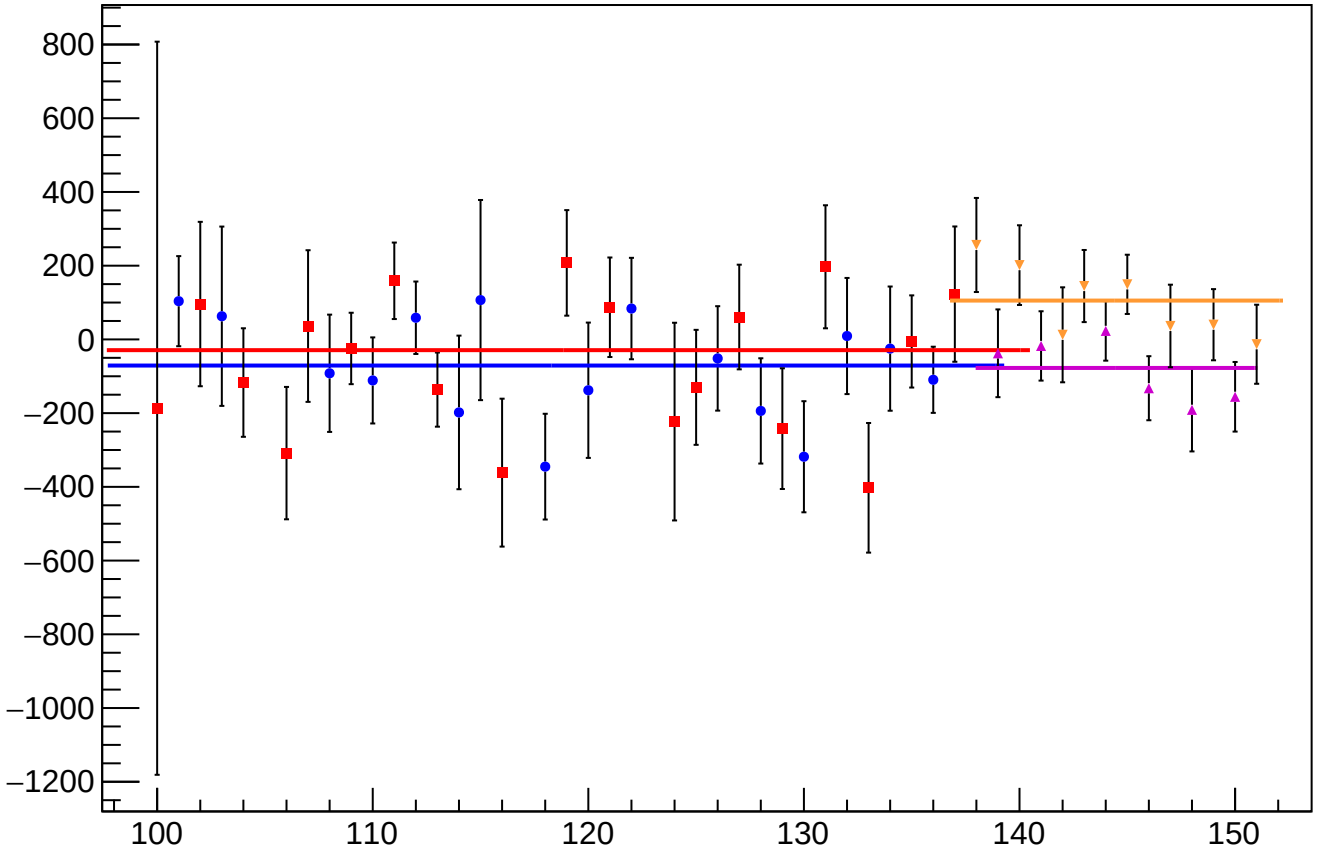
Left In: 772.896+/-0.243 χ^2/NDF:331263.8/5

+ sign 904.672+/-0.183 χ^2/NDF: 2052448.4/23

All: 896.380+/-0.130 χ^2/NDF: 4118198.3/48

- sign 887.902+/-0.185 χ^2/NDF: 2061583.6/24

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 105.356+/-36.747 χ^2/NDF:5.2/7

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

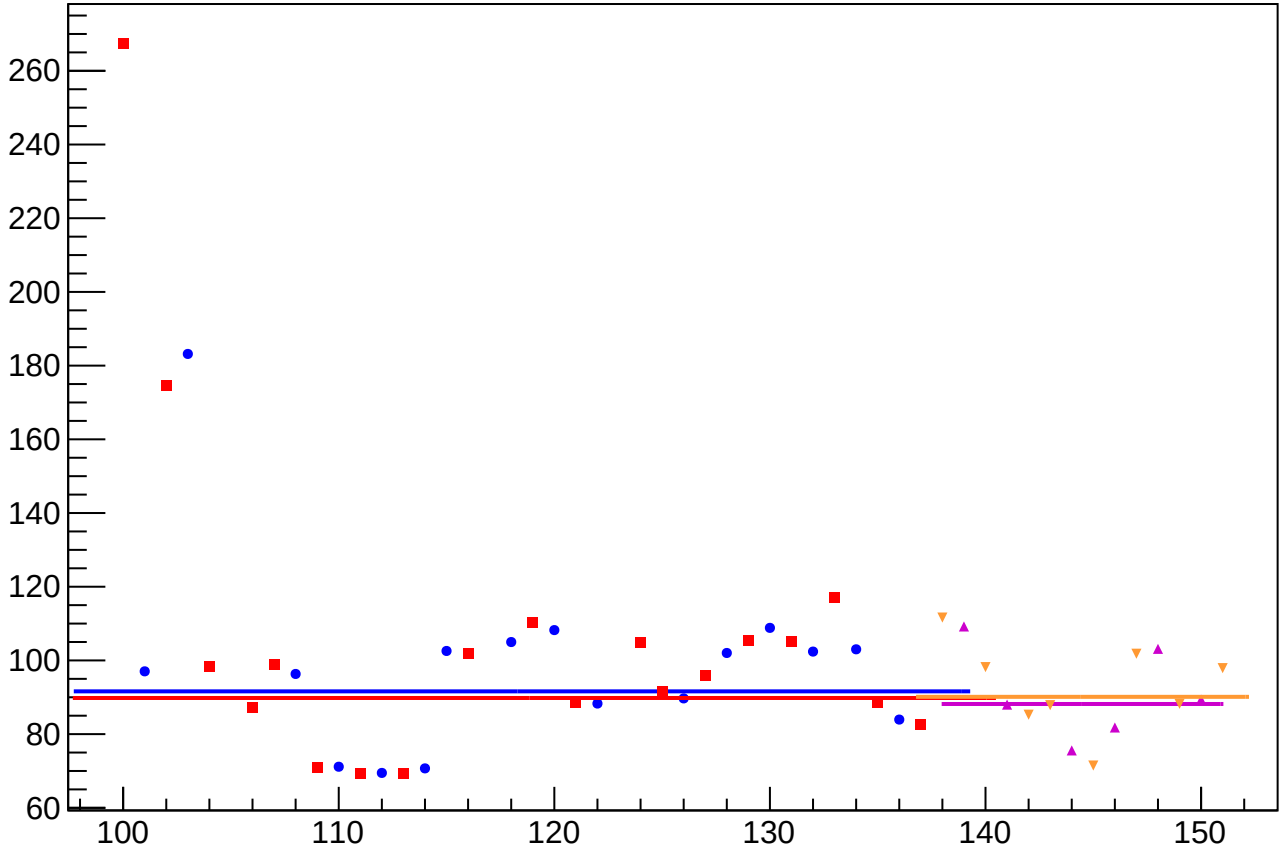
Left In: -77.420+/-38.929 χ^2/NDF:4.2/5

+ sign 13.244+/-25.390 χ^2/NDF: 31.3/23

All: -18.084+/-18.067 χ^2/NDF: 63.4/48

- sign -50.215+/-25.713 χ^2/NDF: 29.0/24

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 90.121+/-0.026 χ^2/NDF:212637.3/7

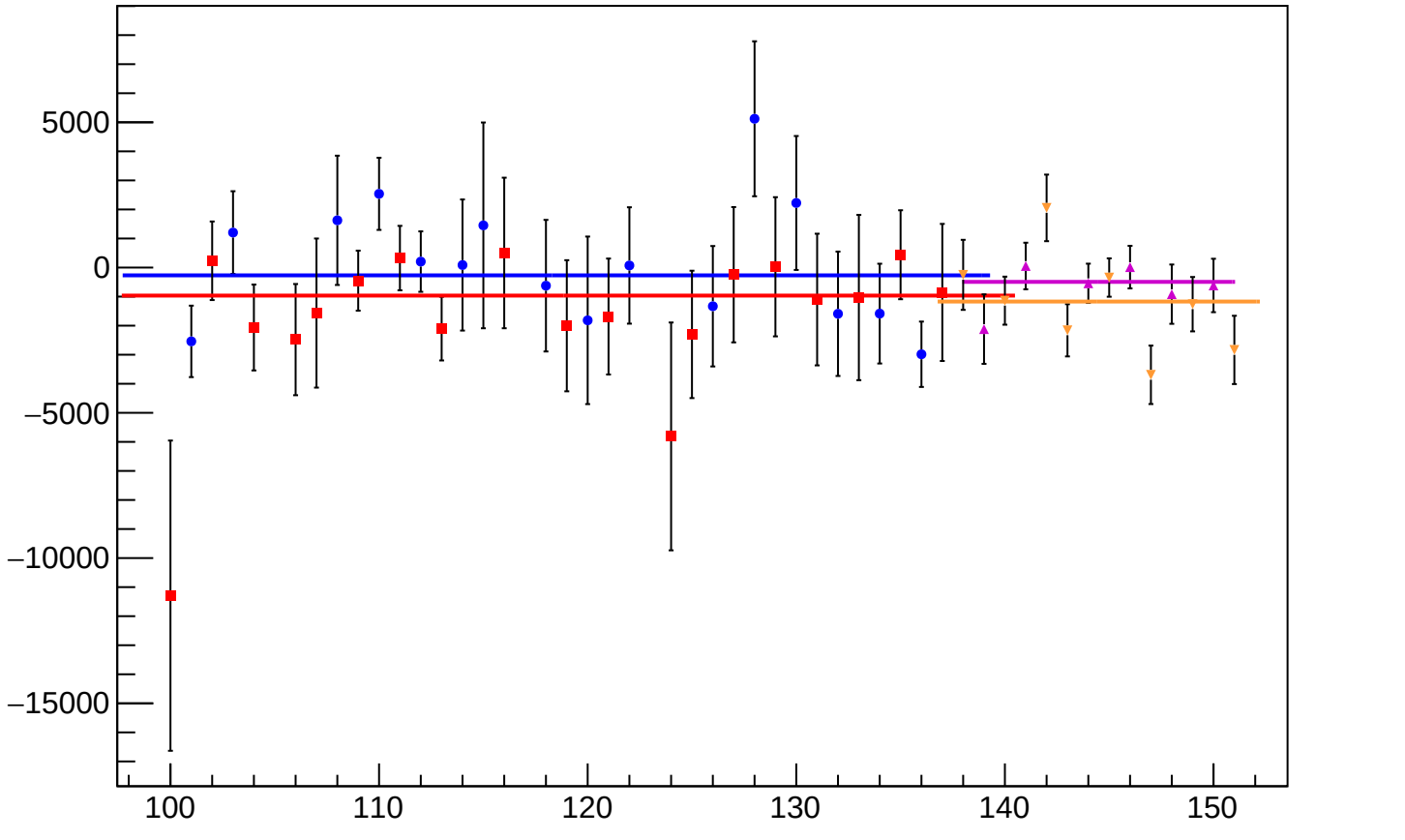
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 88.178+/-0.028 χ^2/NDF:157359.8/5

+ sign 90.898+/-0.018 χ^2/NDF: 795025.2/23

All: 90.009+/-0.013 χ^2/NDF: 1706164.0/48

- sign 89.096+/-0.018 χ^2/NDF: 906167.2/24



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1170.070+/-327.909 χ^2/NDF:19.6/7

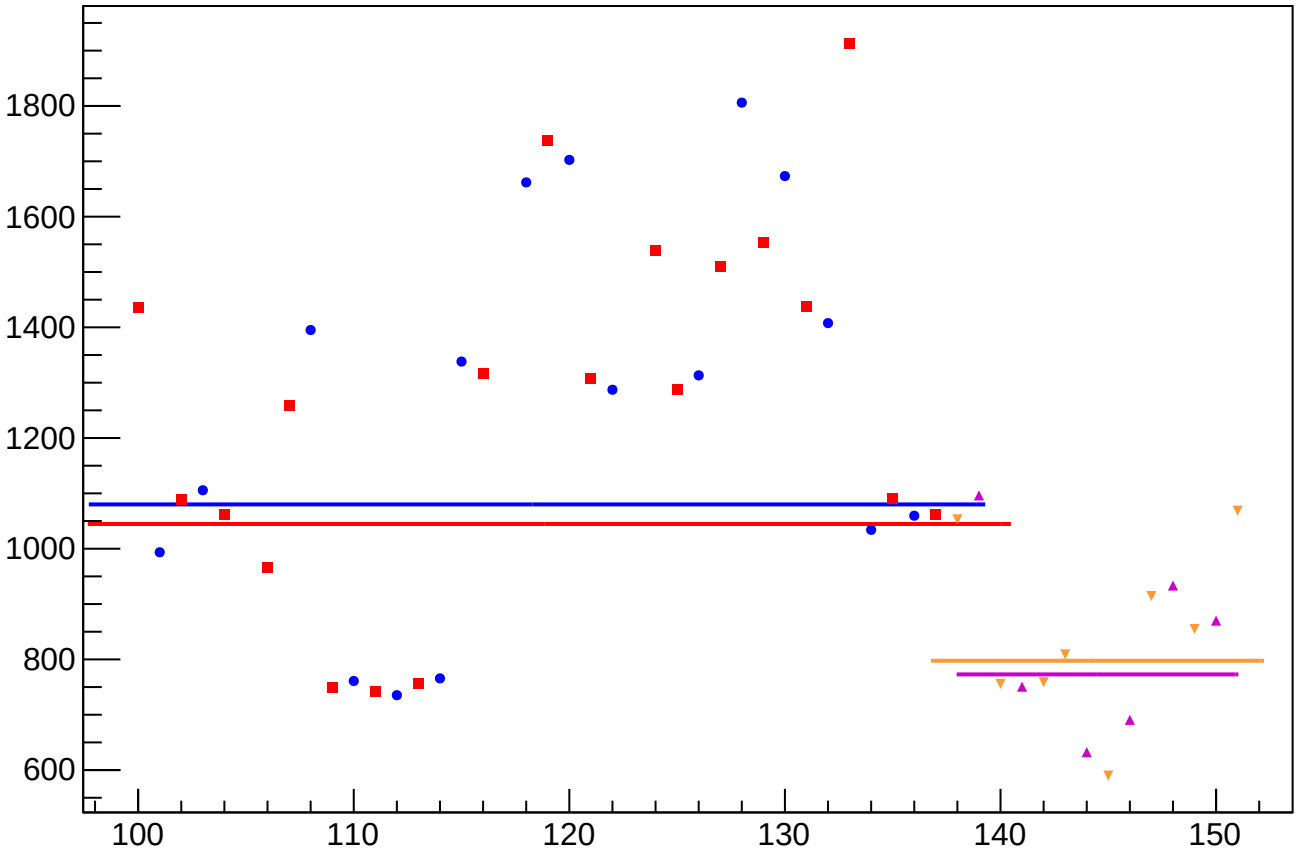
Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: -493.003+/-343.951 χ^2/NDF:3.0/5

+ sign -828.217+/-258.367 χ^2/NDF: 45.9/23

All: -761.208+/-183.702 χ^2/NDF: 61.9/48

- sign -692.697+/-261.245 χ^2/NDF: 15.9/24



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 797.555+/-0.232 χ^2/NDF:436115.9/7

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

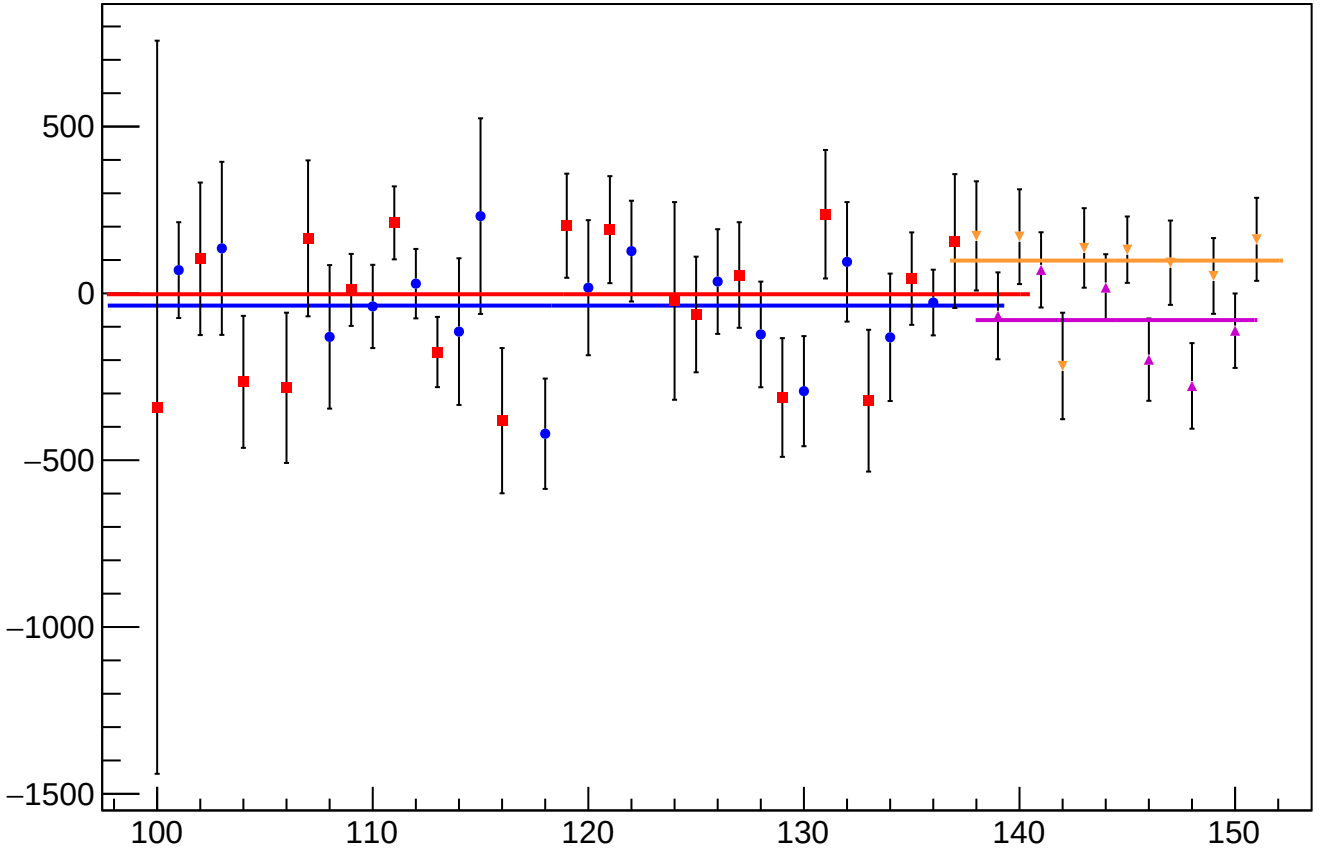
Left In: 772.896+/-0.243 χ^2/NDF:331263.8/5

+ sign 904.672+/-0.183 χ^2/NDF: 2052448.4/23

All: 896.380+/-0.130 χ^2/NDF: 4118198.3/48

- sign 887.902+/-0.185 χ^2/NDF: 2061583.6/24

dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 98.357+/-44.617 χ^2/NDF:5.0/7

Right Out: -2.568+/-38.165 χ^2/NDF: 24.7/18

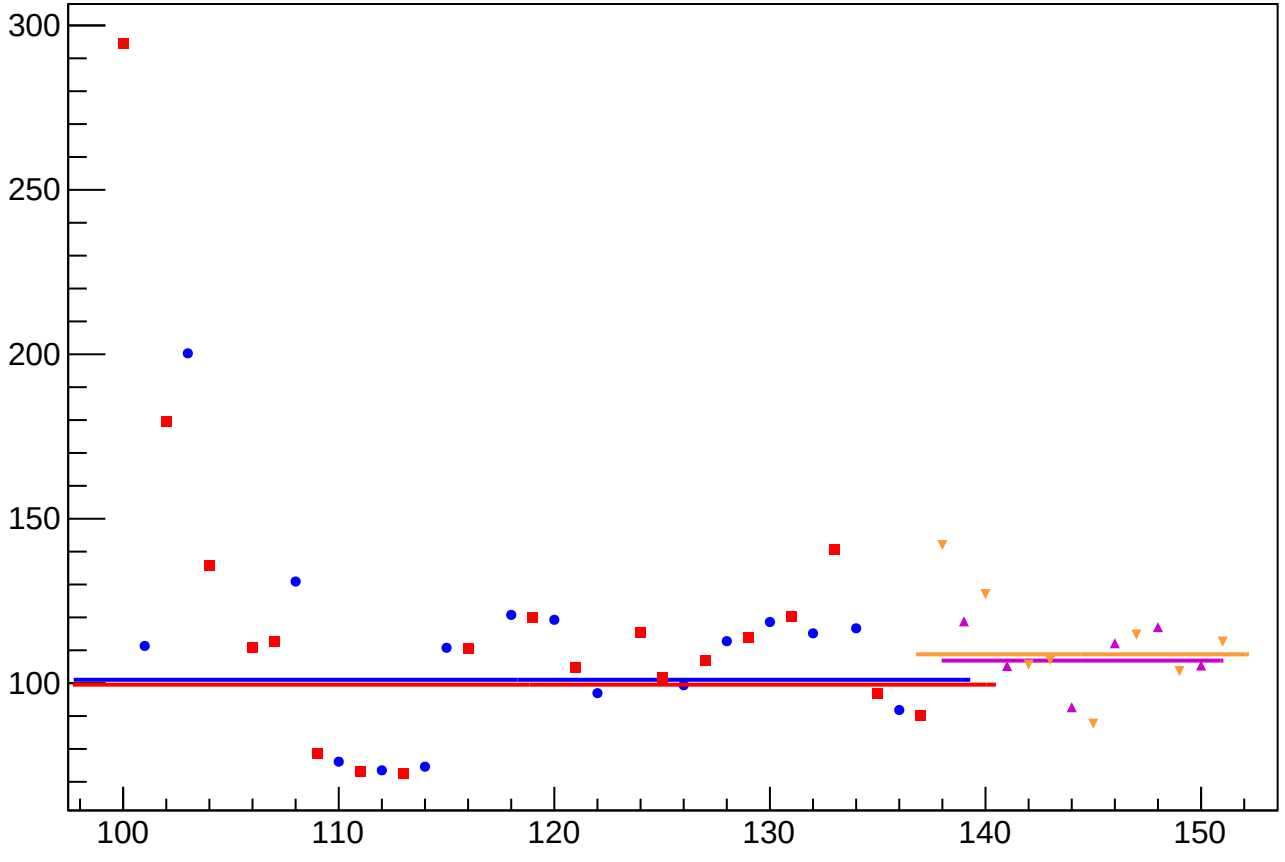
Left In: -80.039+/-47.434 χ^2/NDF:6.1/5

+ sign 21.843+/-29.360 χ^2/NDF: 23.1/23

All: -5.236+/-20.892 χ^2/NDF: 57.3/48

- sign -33.012+/-29.735 χ^2/NDF: 32.5/24

dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 108.766+/-0.032 χ^2/NDF:216987.9/7

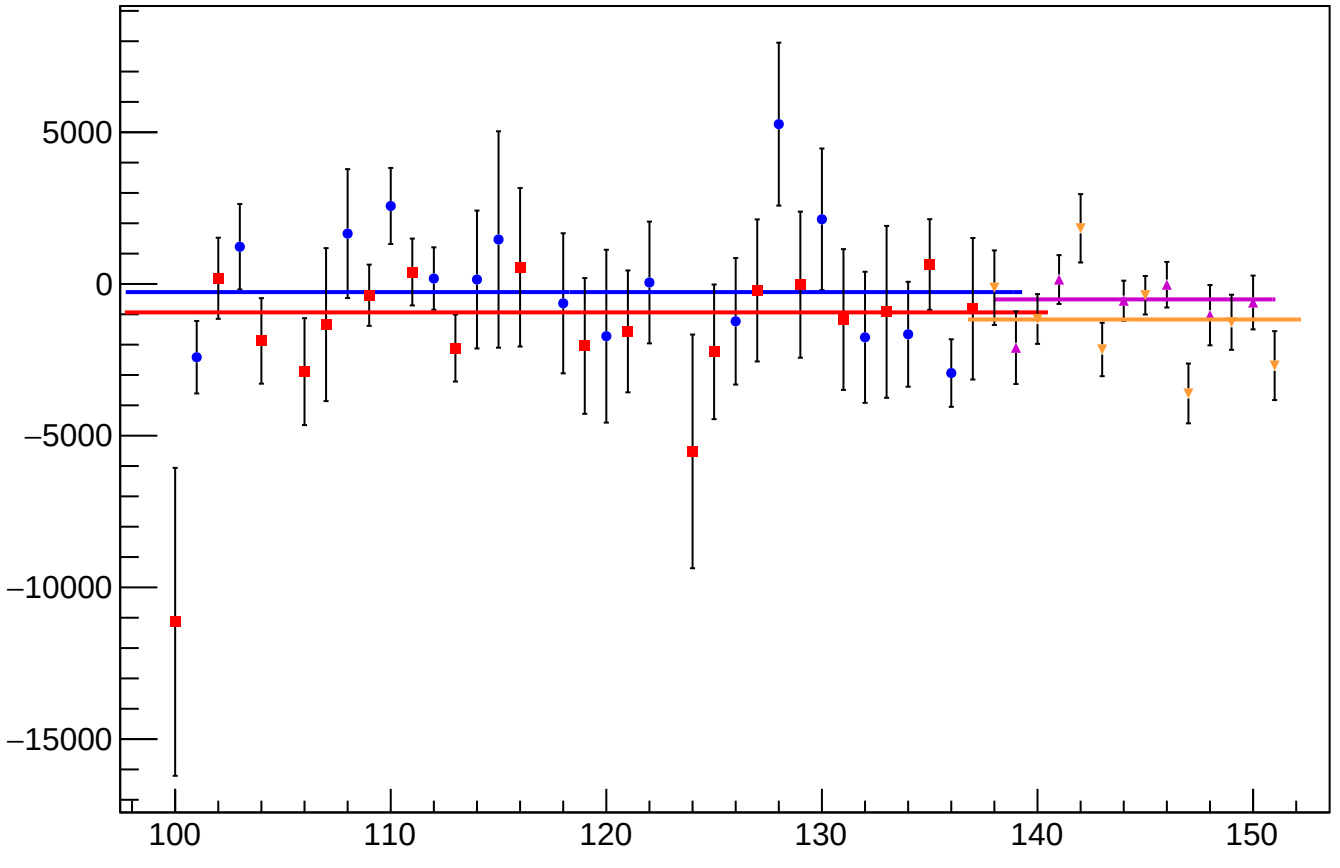
Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

Left In: 106.867+/-0.034 χ^2/NDF:74082.7/5

+ sign 104.381+/-0.021 χ^2/NDF: 967168.0/23

All: 103.415+/-0.015 χ^2/NDF: 1955048.0/48

- sign 102.424+/-0.021 χ^2/NDF: 983493.7/24



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1170.474+/-320.554 χ^2/NDF:18.6/7

Right Out: -936.734+/-396.234 χ^2/NDF: 13.1/18

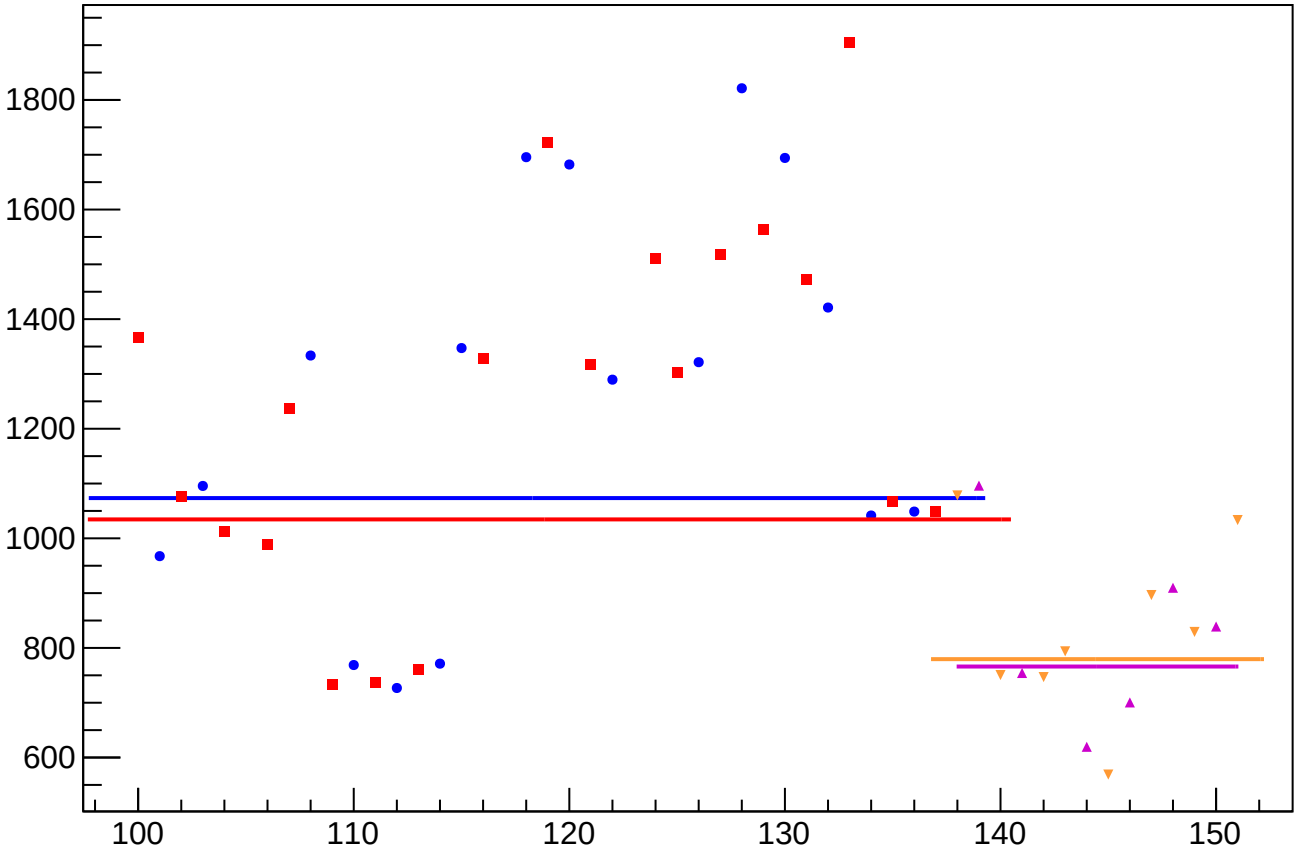
Left In: -508.337+/-341.239 χ^2/NDF:3.1/5

+ sign -835.284+/-254.156 χ^2/NDF: 45.0/23

All: -764.268+/-181.255 χ^2/NDF: 62.1/48

- sign -690.765+/-258.568 χ^2/NDF: 17.0/24

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 779.528+/-0.227 χ^2/NDF:477546.0/7

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

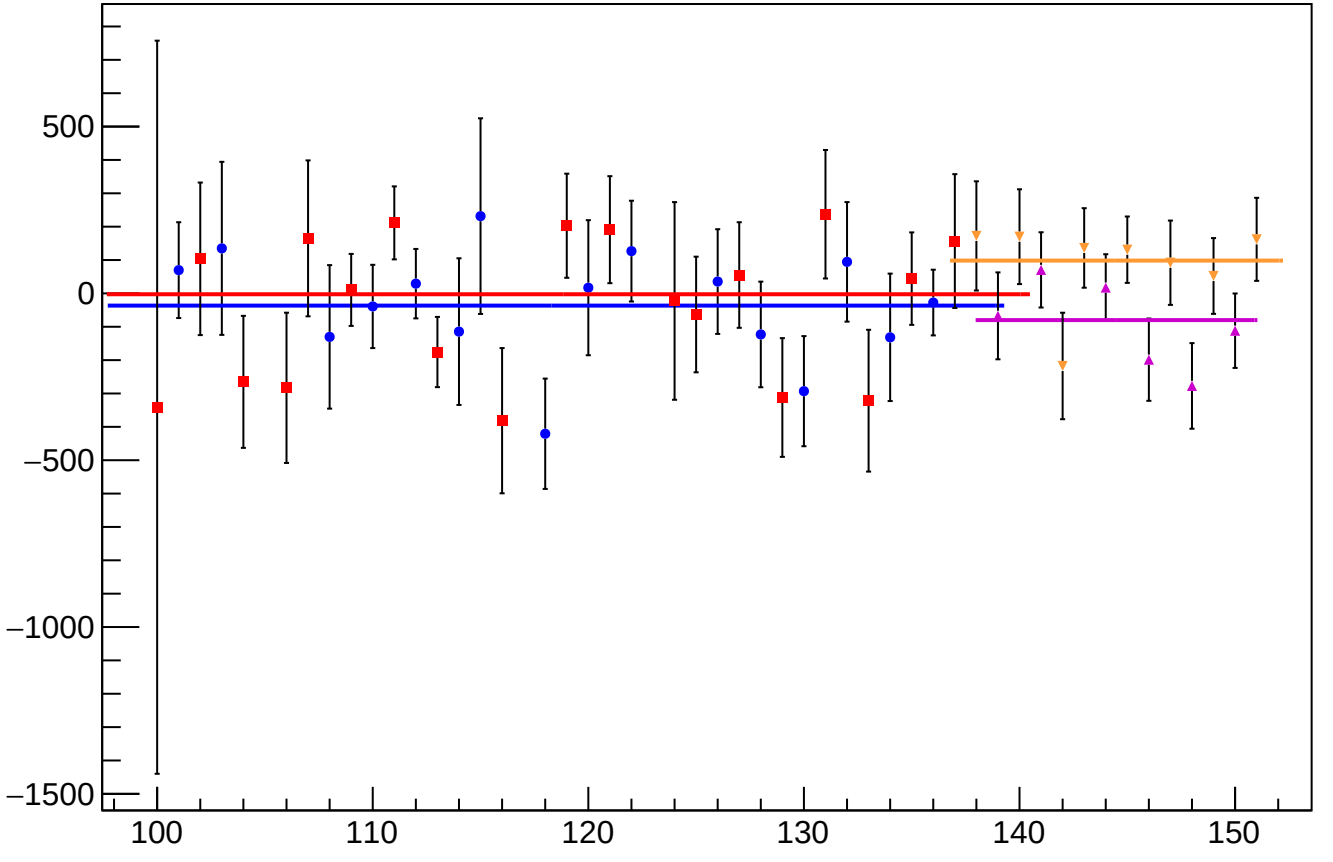
Left In: 766.052+/-0.241 χ^2/NDF:321403.0/5

+ sign 888.683+/-0.180 χ^2/NDF: 2179066.2/23

All: 884.604+/-0.128 χ^2/NDF: 4258082.5/48

- sign 880.383+/-0.183 χ^2/NDF: 2077968.1/24

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.589+/-38.991 χ^2/NDF: 12.9/15

Left Out: 98.357+/-44.617 χ^2/NDF:5.0/7

Right Out: -2.566+/-38.165 χ^2/NDF: 24.7/18

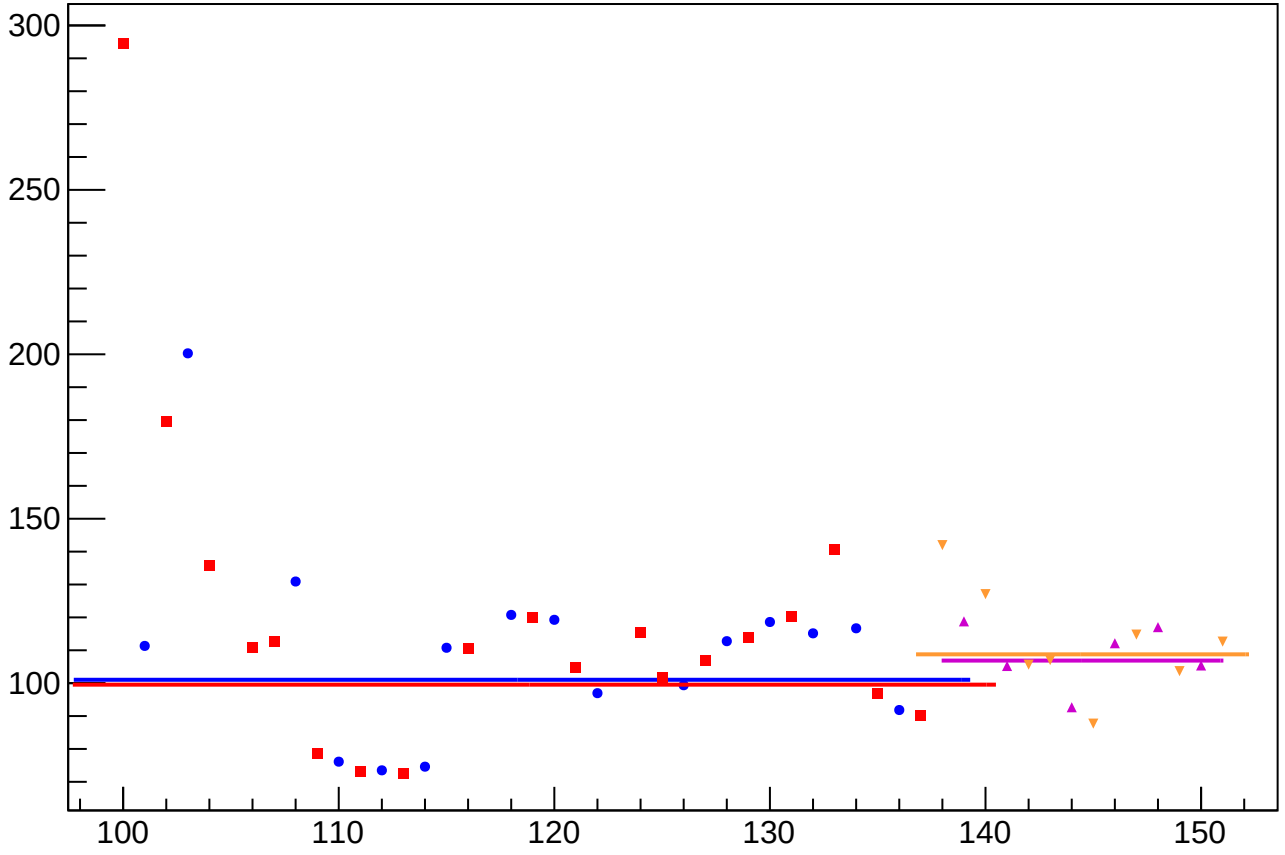
Left In: -80.039+/-47.434 χ^2/NDF:6.1/5

+ sign 21.843+/-29.360 χ^2/NDF: 23.1/23

All: -5.235+/-20.892 χ^2/NDF: 57.3/48

- sign -33.011+/-29.735 χ^2/NDF: 32.5/24

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 108.767+/-0.032 χ^2/NDF:216980.7/7

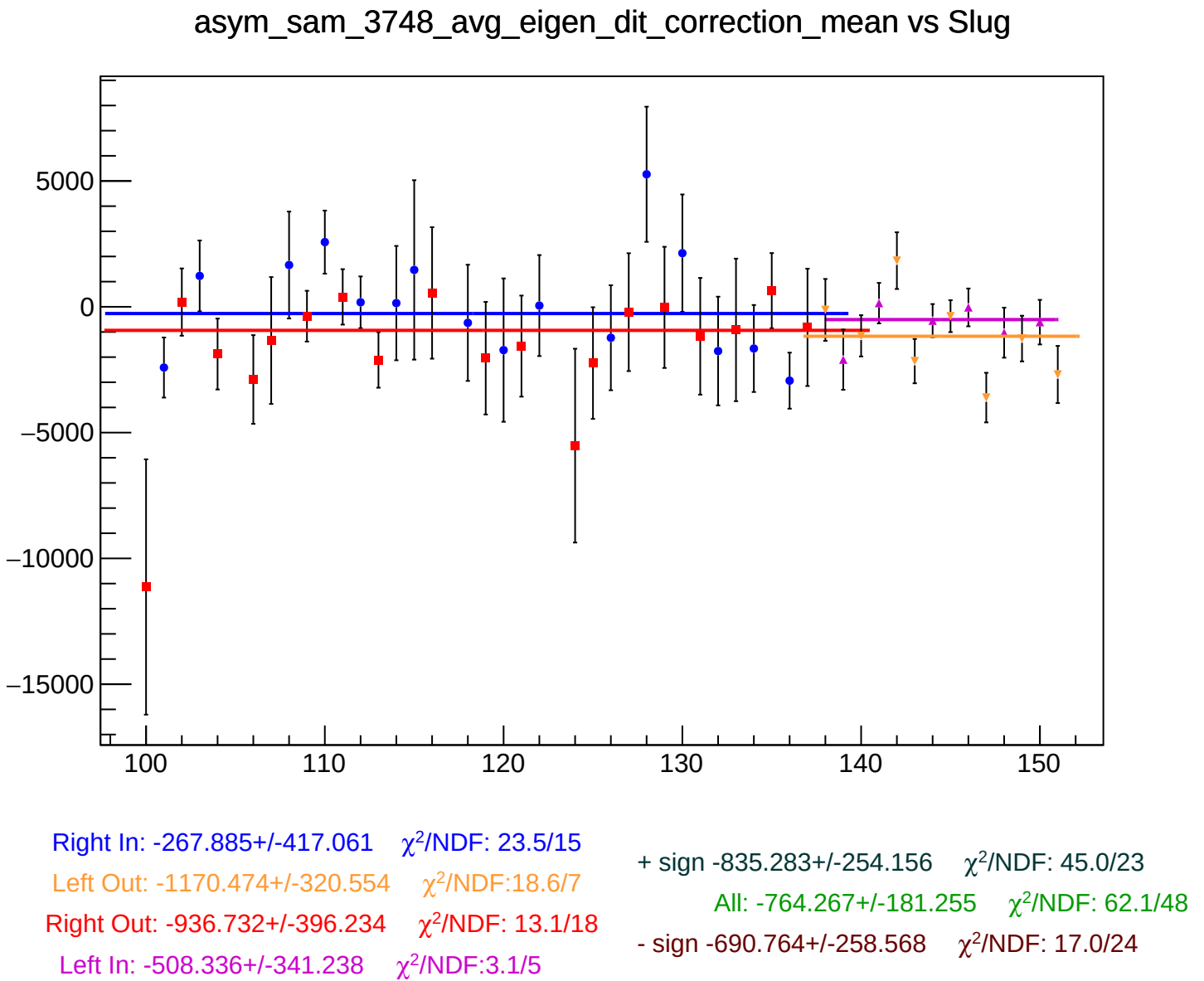
Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 106.868+/-0.034 χ^2/NDF:74080.4/5

+ sign 104.381+/-0.021 χ^2/NDF: 967162.6/23

All: 103.415+/-0.015 χ^2/NDF: 1955044.4/48

- sign 102.424+/-0.021 χ^2/NDF: 983495.2/24



Right In: -267.885+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1170.474+/-320.554 χ^2/NDF:18.6/7

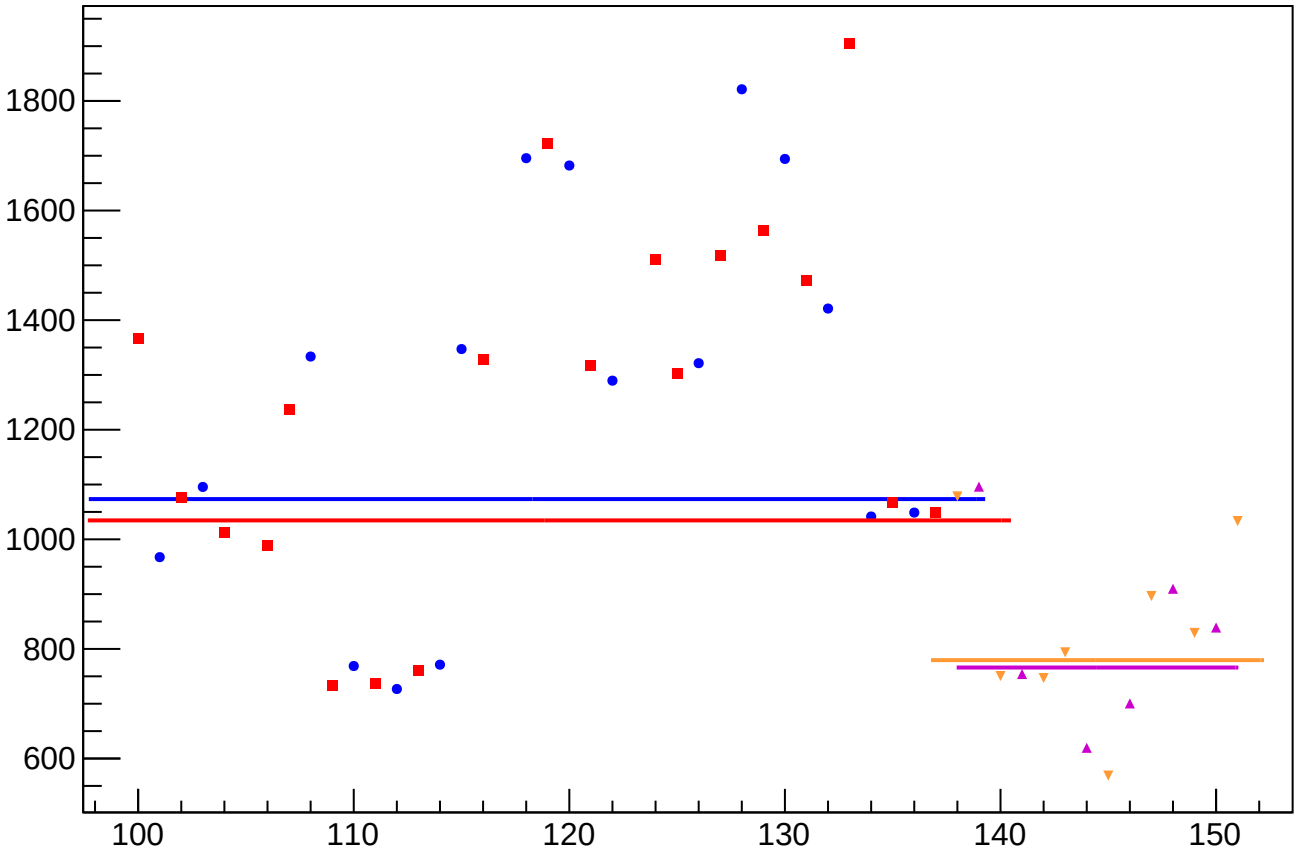
Right Out: -936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: -508.336+/-341.238 χ^2/NDF:3.1/5

+ sign -835.283+/-254.156 χ^2/NDF: 45.0/23

All: -764.267+/-181.255 χ^2/NDF: 62.1/48

- sign -690.764+/-258.568 χ^2/NDF: 17.0/24



Right In: 1073.454+/-0.295 χ^2/NDF: 1077061.8/15

Left Out: 779.527+/-0.227 χ^2/NDF:477549.5/7

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

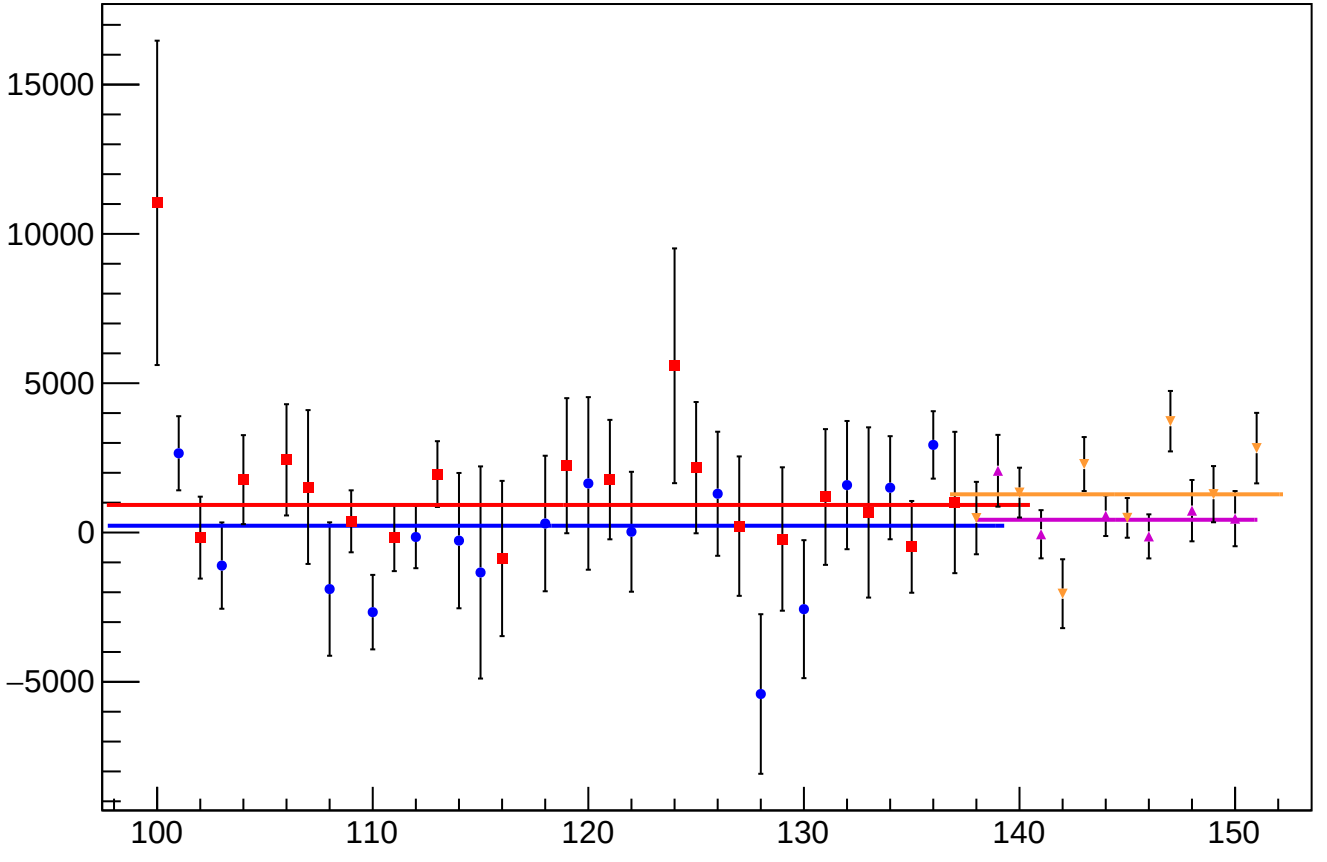
Left In: 766.051+/-0.241 χ^2/NDF:321404.3/5

+ sign 888.681+/-0.180 χ^2/NDF: 2179074.1/23

All: 884.603+/-0.128 χ^2/NDF: 4258091.1/48

- sign 880.382+/-0.183 χ^2/NDF: 2077968.9/24

asym_sam_3748_avg_mean vs Slug



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 1279.593+/-330.093 χ^2/NDF:19.0/7

Right Out: 923.649+/-403.102 χ^2/NDF: 11.2/18

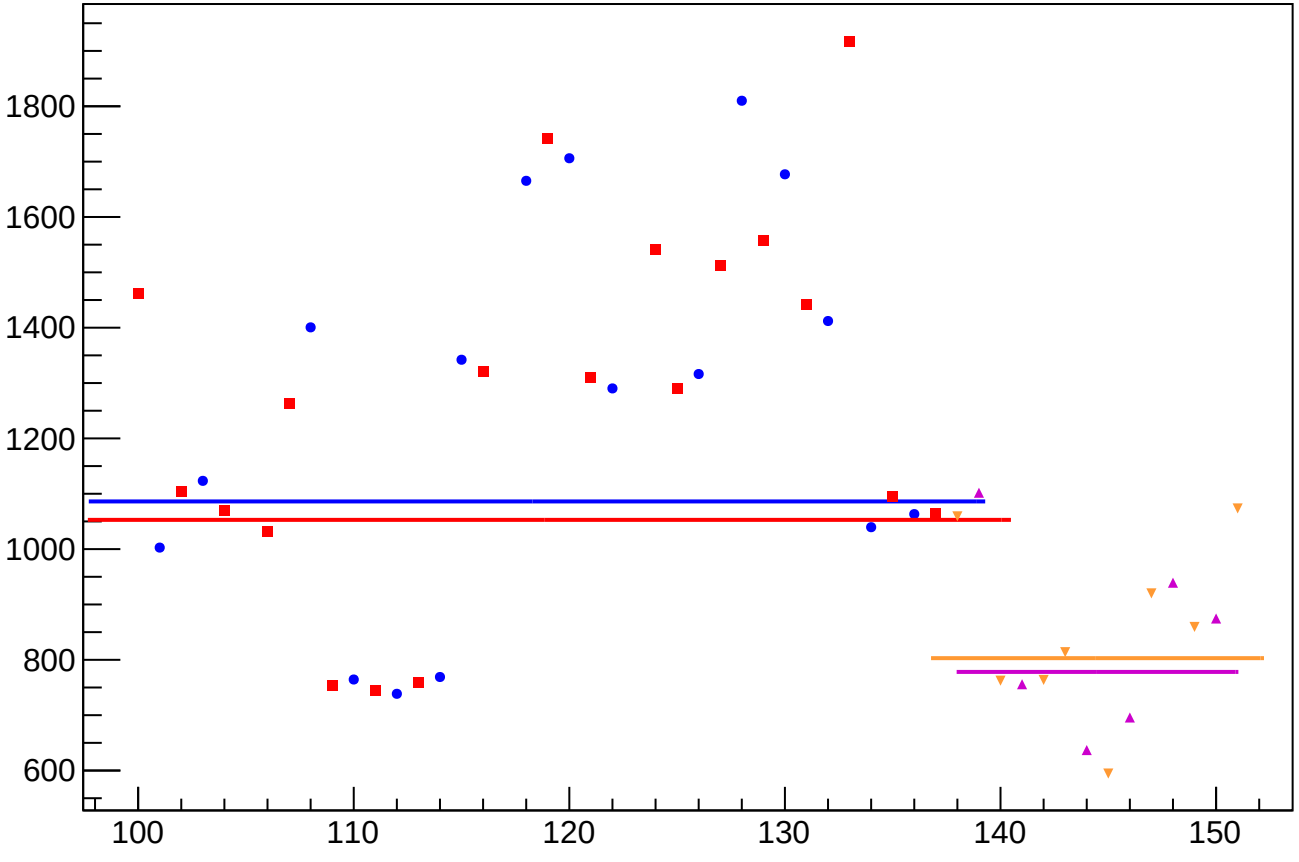
Left In: 427.113+/-346.238 χ^2/NDF:2.9/5

+ sign 880.033+/-259.962 χ^2/NDF: 47.3/23

All: 760.221+/-184.764 χ^2/NDF: 62.7/48

- sign 637.917+/-262.651 χ^2/NDF: 15.0/24

asym_sam_3748_avg_rms vs Slug



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 803.011+/-0.233 χ^2/NDF:432120.3/7

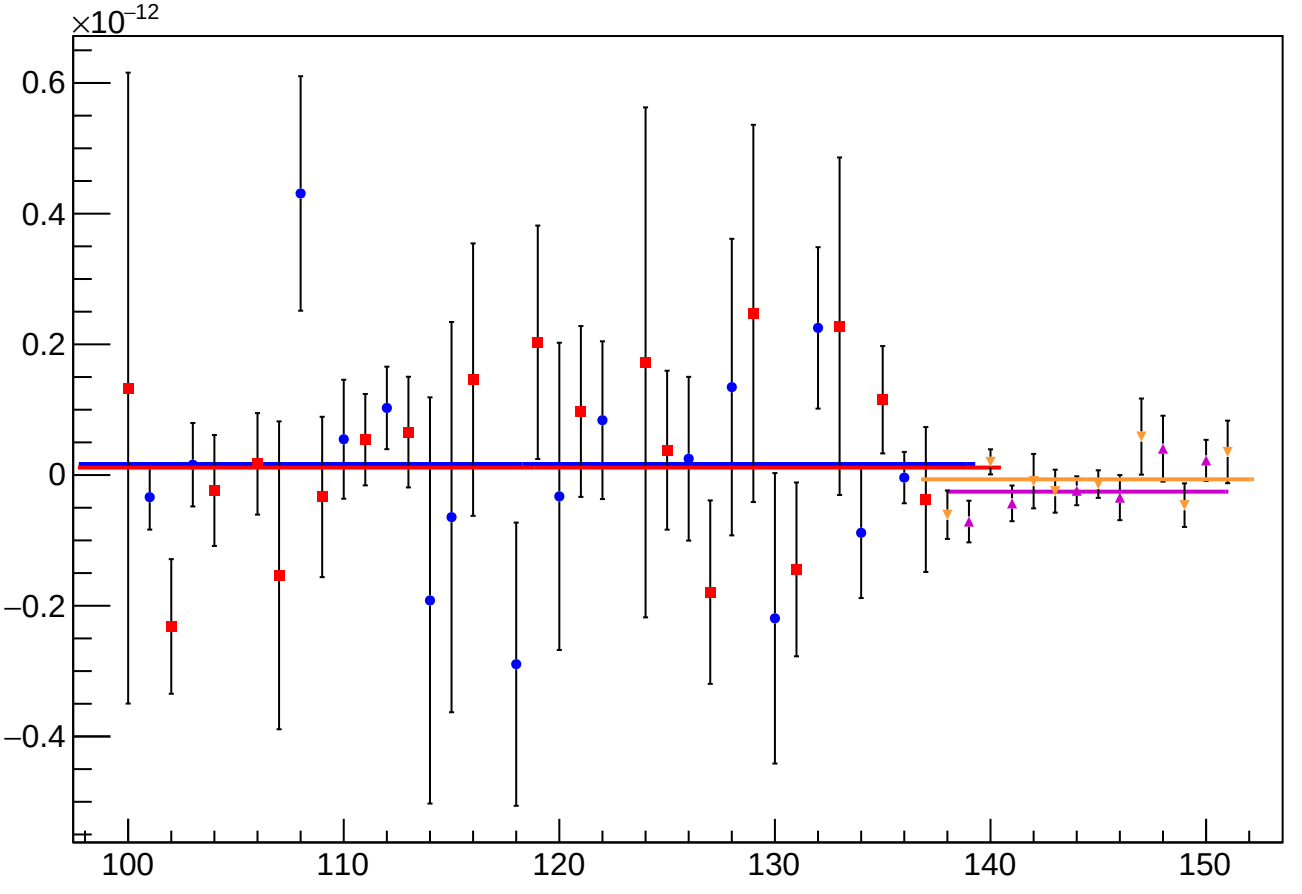
Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 778.156+/-0.245 χ^2/NDF:328567.2/5

+ sign 910.536+/-0.184 χ^2/NDF: 2038387.6/23

All: 902.734+/-0.131 χ^2/NDF: 4099390.7/48

- sign 894.769+/-0.186 χ^2/NDF: 2057362.4/24



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.9/7

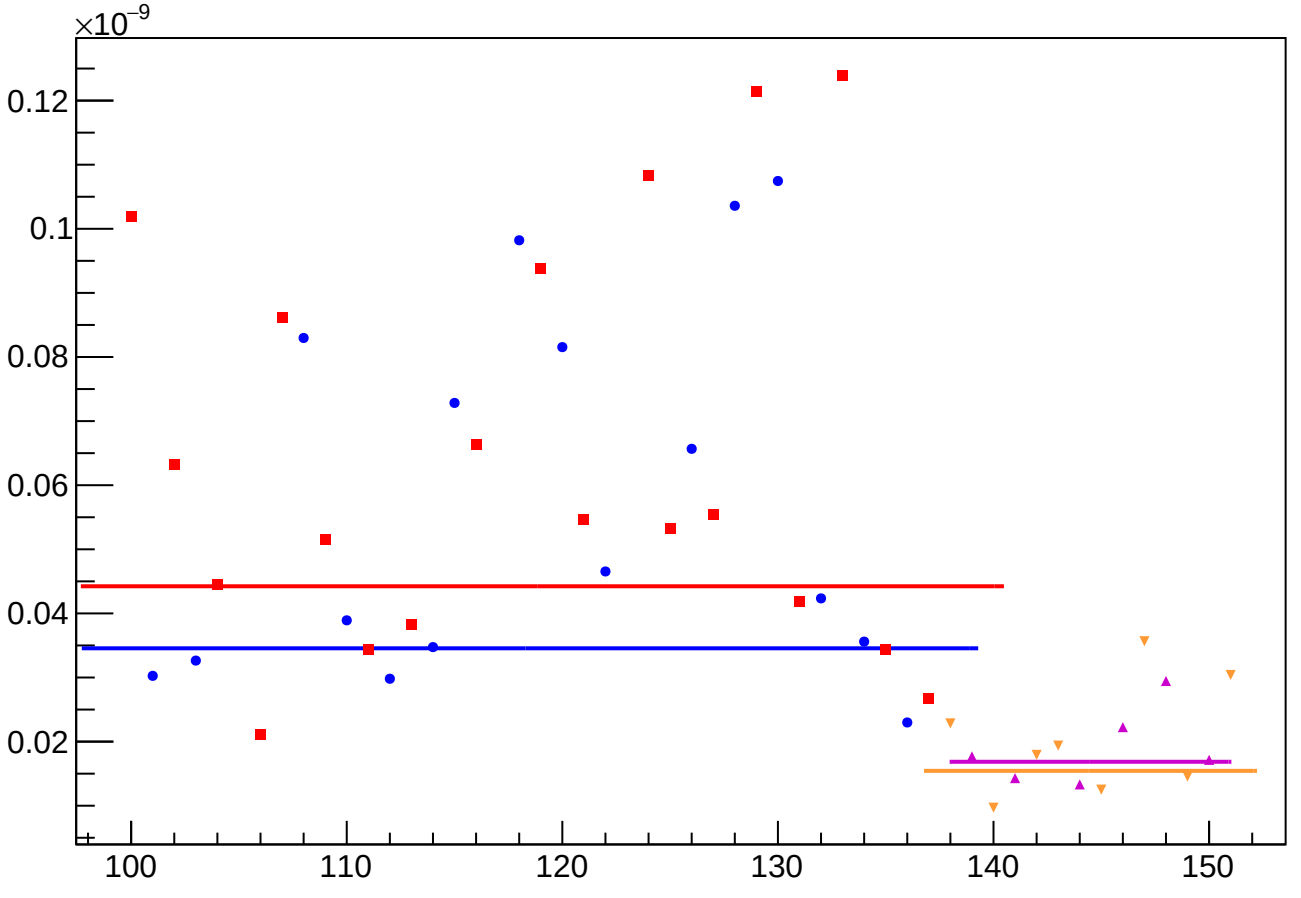
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: -0.000+/-0.000 χ^2/NDF:6.6/5

+ sign -0.000+/-0.000 χ^2/NDF: 25.8/23

All: -0.000+/-0.000 χ^2/NDF: 51.1/48

- sign -0.000+/-0.000 χ^2/NDF: 23.9/24



Right In: 0.000+/-0.000 χ^2/NDF: 1188815.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:771437.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

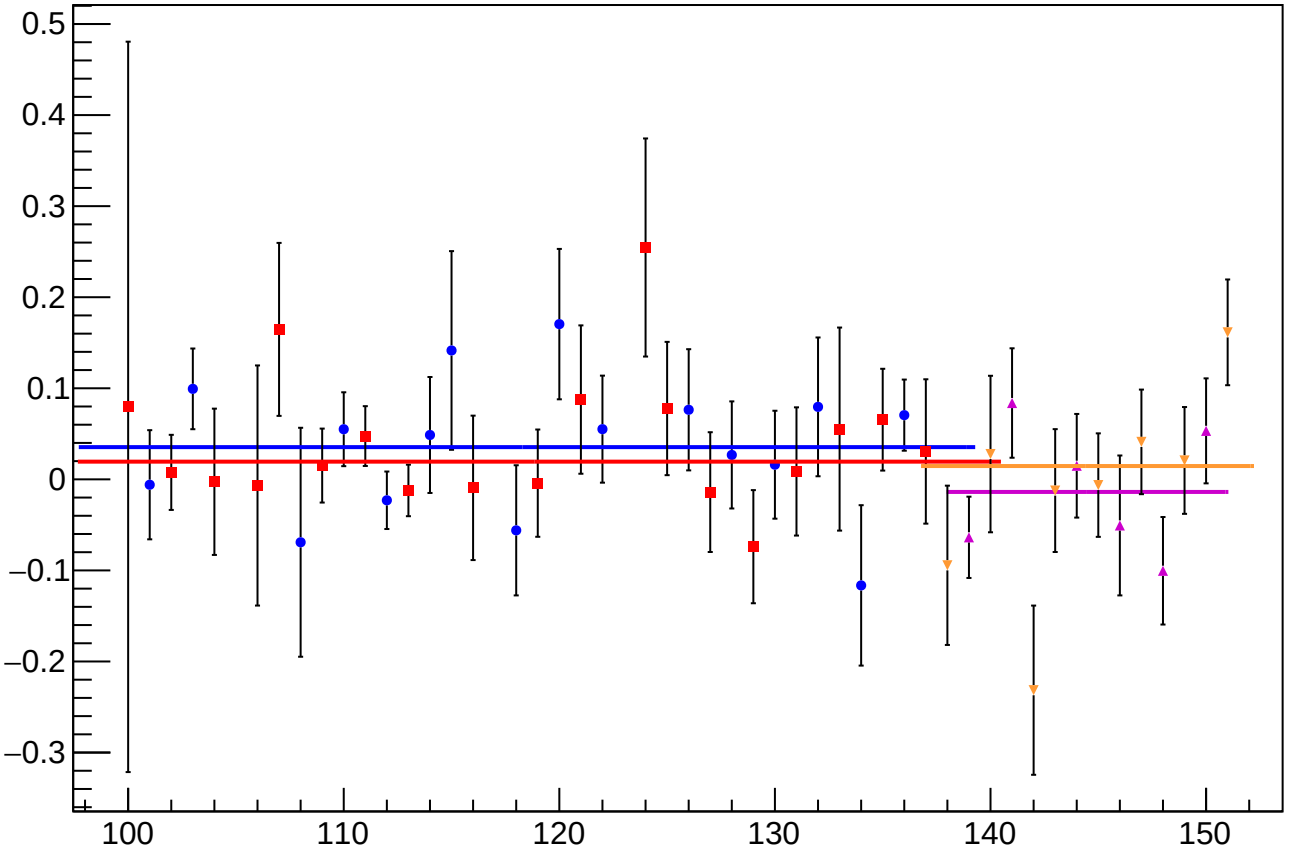
Left In: 0.000+/-0.000 χ^2/NDF:243906.9/5

+ sign 0.000+/-0.000 χ^2/NDF: 3200284.1/23

All: 0.000+/-0.000 χ^2/NDF: 6288063.3/48

- sign 0.000+/-0.000 χ^2/NDF: 3031189.3/24

asym_sam_3748_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.015+/-0.024 χ^2/NDF:15.5/7

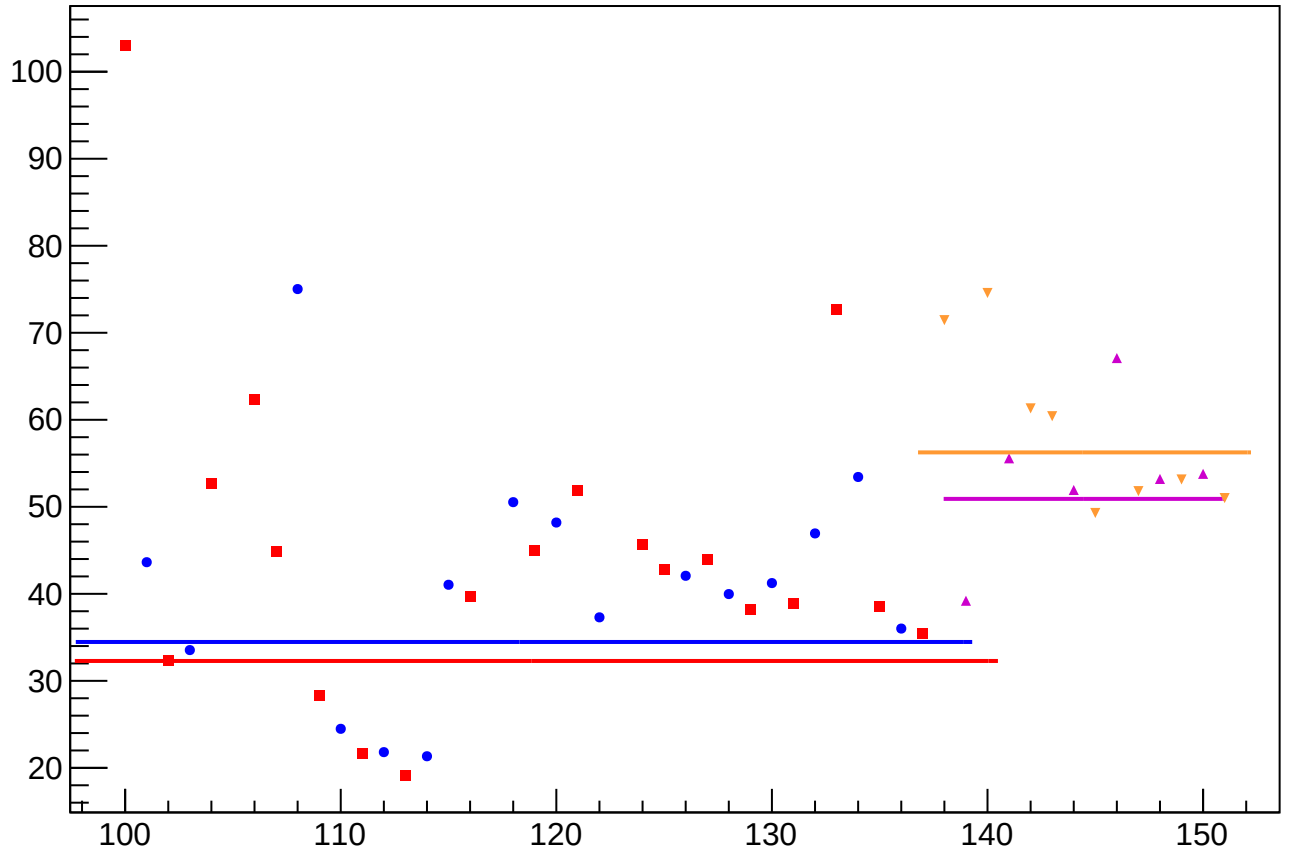
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.014+/-0.023 χ^2/NDF:7.9/5

+ sign 0.030+/-0.012 χ^2/NDF: 33.0/23

All: 0.020+/-0.008 χ^2/NDF: 57.1/48

- sign 0.011+/-0.011 χ^2/NDF: 22.8/24



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 56.254+/-0.017 χ^2/NDF:228816.0/7

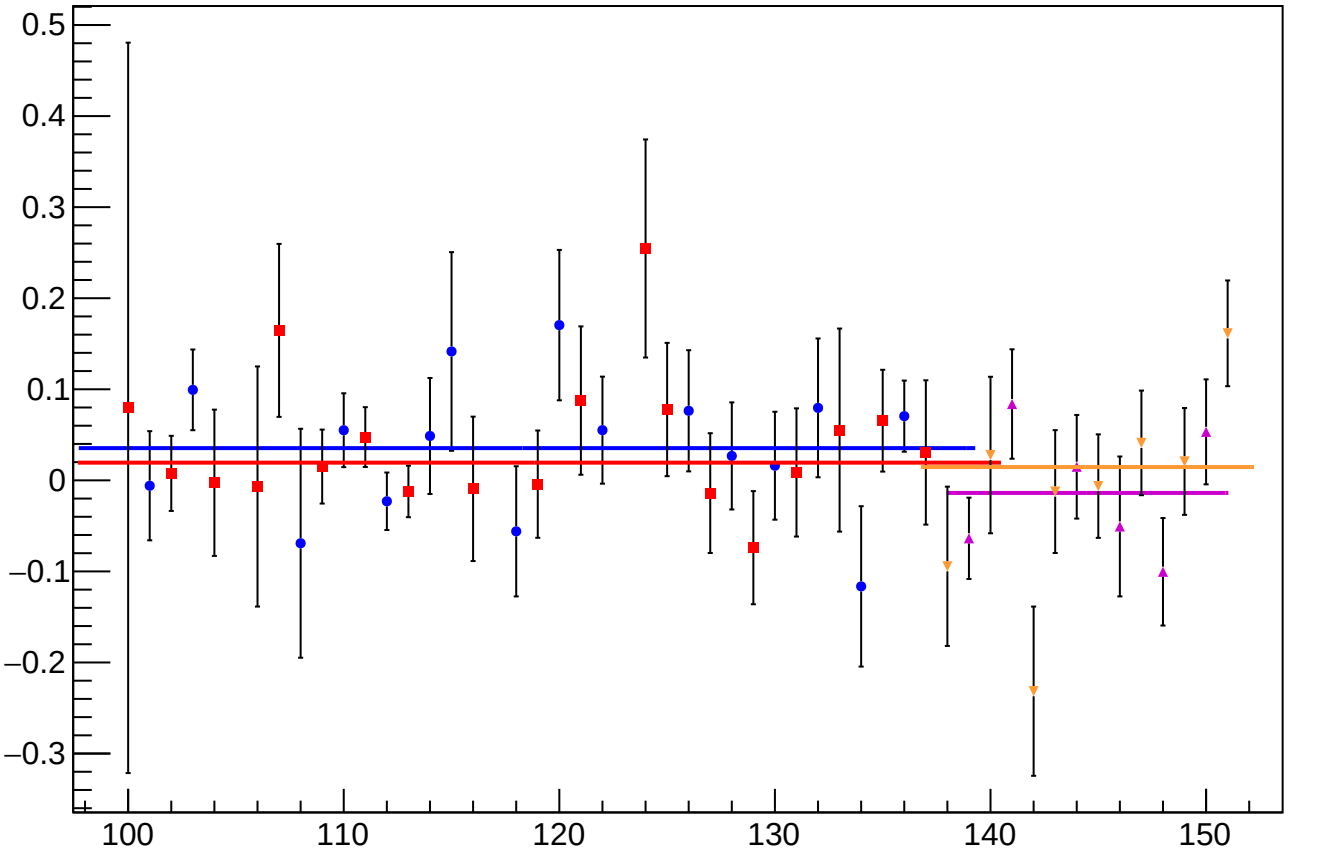
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 50.911+/-0.016 χ^2/NDF:247049.0/5

+ sign 40.089+/-0.008 χ^2/NDF: 2669196.4/23

All: 38.357+/-0.006 χ^2/NDF: 5640552.3/48

- sign 36.776+/-0.008 χ^2/NDF: 2891220.9/24



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.015+/-0.024 χ^2/NDF:15.5/7

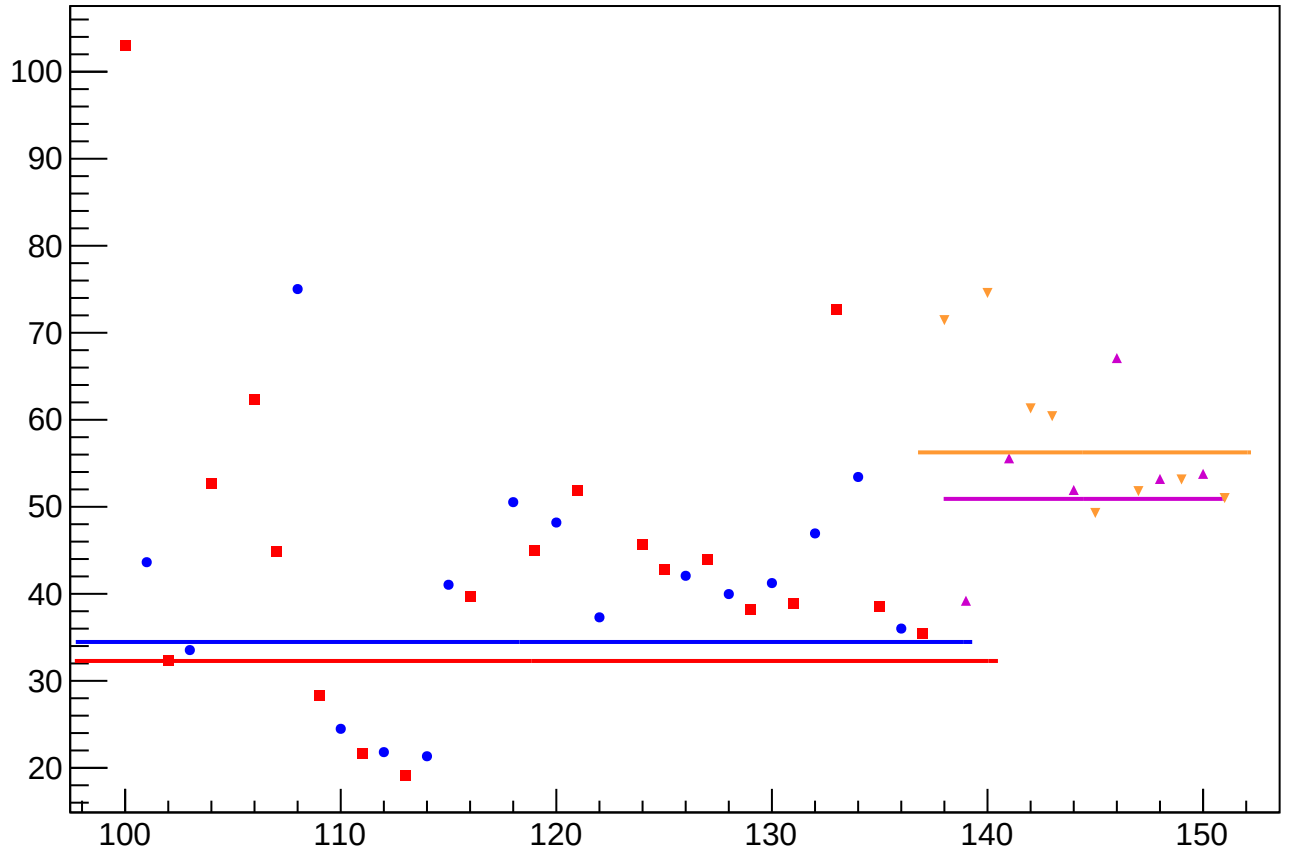
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.014+/-0.023 χ^2/NDF:7.9/5

+ sign 0.030+/-0.012 χ^2/NDF: 33.0/23

All: 0.020+/-0.008 χ^2/NDF: 57.1/48

- sign 0.011+/-0.011 χ^2/NDF: 22.8/24



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 56.254+/-0.017 χ^2/NDF:228816.0/7

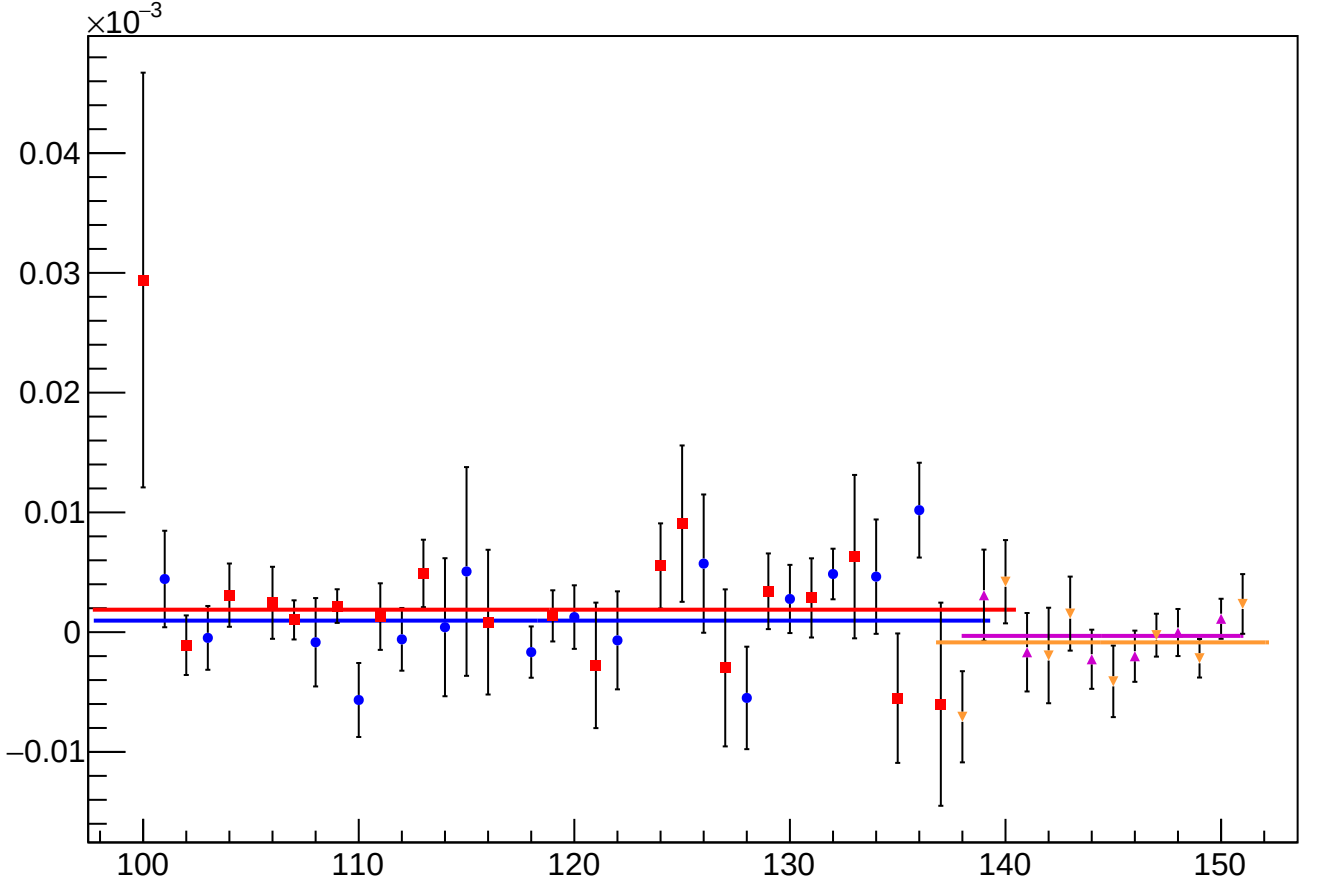
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 50.911+/-0.016 χ^2/NDF:247049.0/5

+ sign 40.089+/-0.008 χ^2/NDF: 2669196.4/23

All: 38.357+/-0.006 χ^2/NDF: 5640552.3/48

- sign 36.776+/-0.008 χ^2/NDF: 2891220.9/24



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.1/7

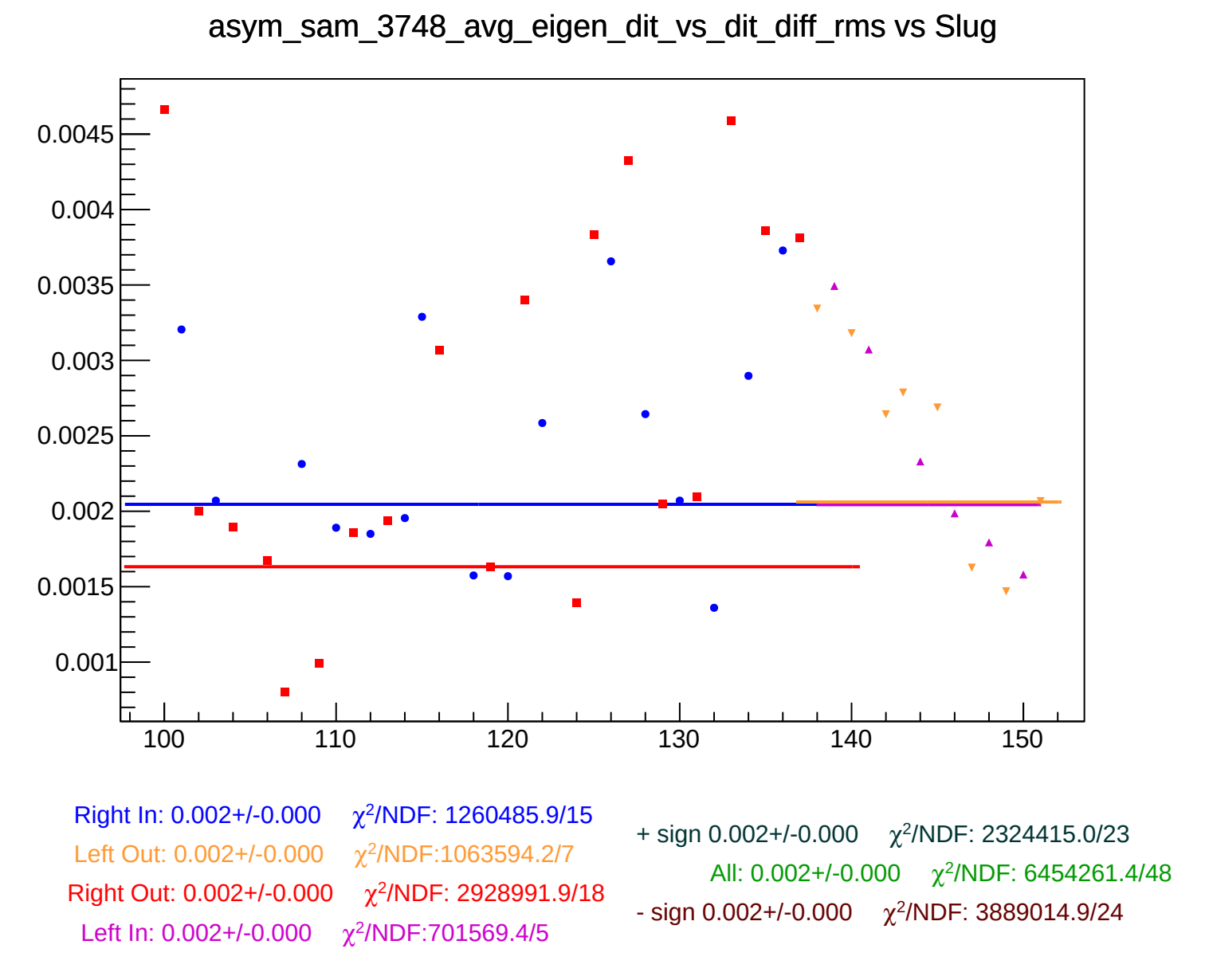
Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

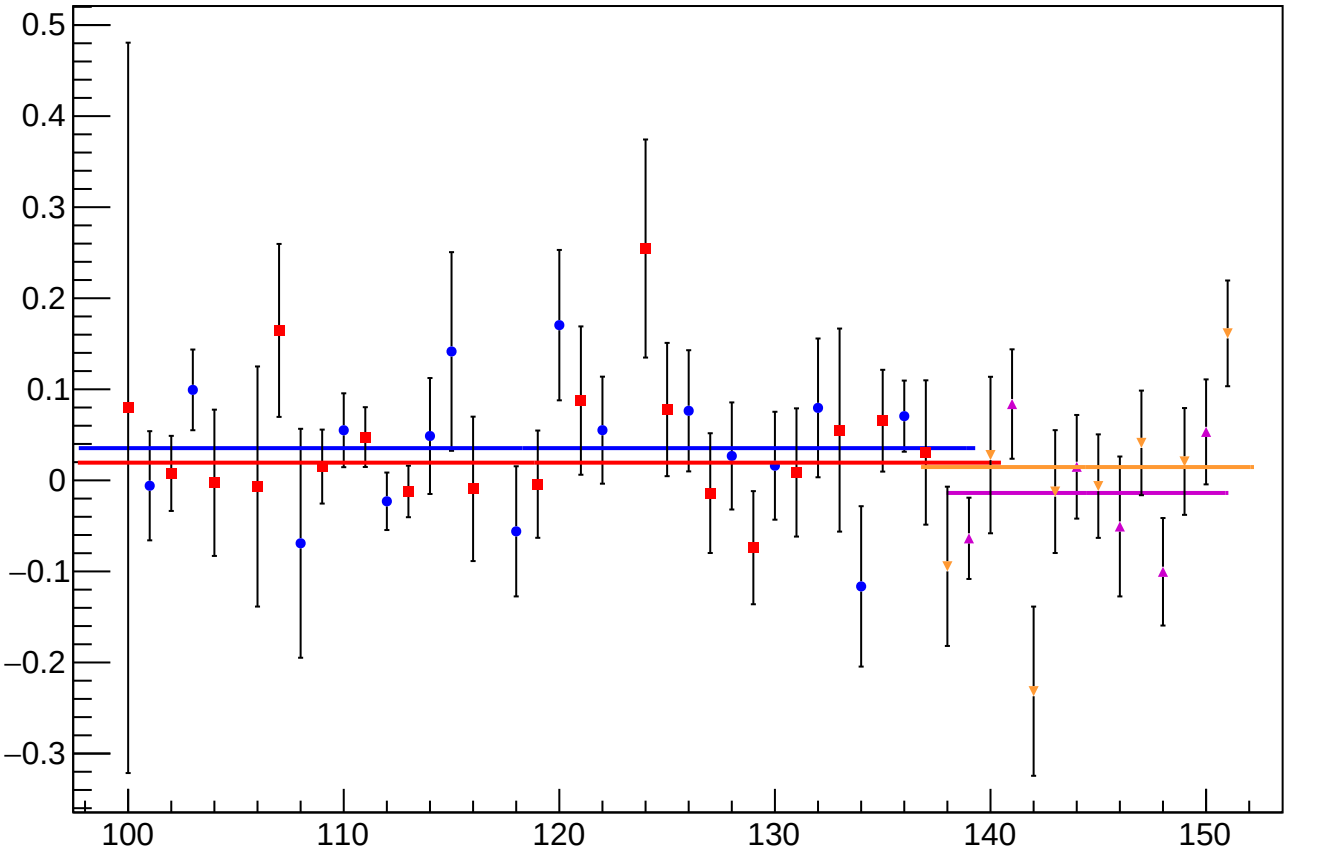
Left In: -0.000+/-0.000 χ^2/NDF:3.0/5

+ sign 0.000+/-0.000 χ^2/NDF: 32.3/23

All: 0.000+/-0.000 χ^2/NDF: 53.4/48

- sign 0.000+/-0.000 χ^2/NDF: 19.5/24


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
Right In: 0.002+/-0.000 χ²/NDF: 1260485.9/15
Left Out: 0.002+/-0.000 χ²/NDF:1063594.2/7
Right Out: 0.002+/-0.000 χ²/NDF: 2928991.9/18
Left In: 0.002+/-0.000 χ²/NDF:701569.4/5
+ sign 0.002+/-0.000 χ²/NDF: 2324415.0/23
All: 0.002+/-0.000 χ²/NDF: 6454261.4/48
- sign 0.002+/-0.000 χ²/NDF: 3889014.9/24



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.015+/-0.024 χ^2/NDF:15.5/7

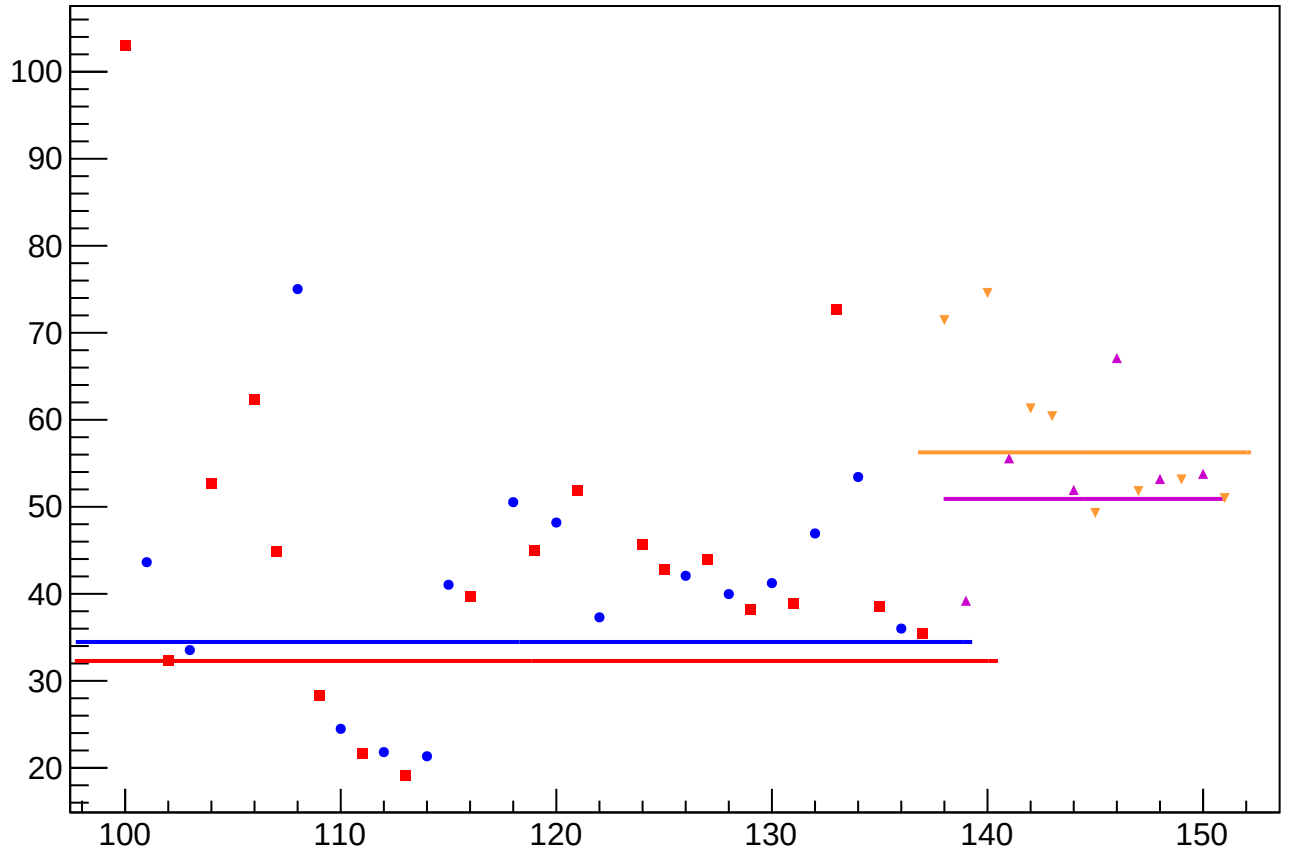
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.014+/-0.023 χ^2/NDF:7.9/5

+ sign 0.030+/-0.012 χ^2/NDF: 33.0/23

All: 0.020+/-0.008 χ^2/NDF: 57.1/48

- sign 0.011+/-0.011 χ^2/NDF: 22.8/24



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 56.255+/-0.017 χ^2/NDF:228795.7/7

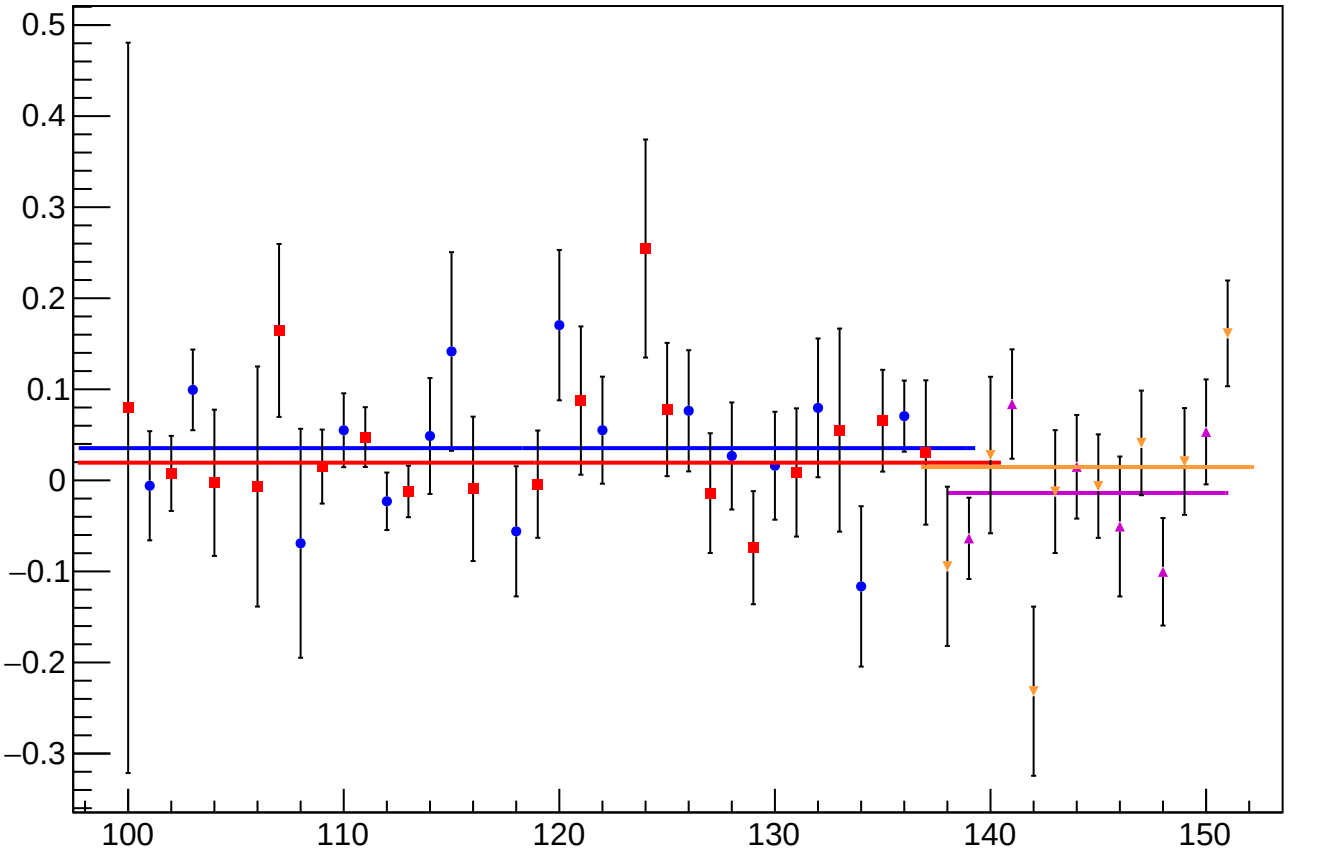
Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 50.911+/-0.016 χ^2/NDF:247071.3/5

+ sign 40.089+/-0.008 χ^2/NDF: 2669167.9/23

All: 38.357+/-0.006 χ^2/NDF: 5640497.4/48

- sign 36.777+/-0.008 χ^2/NDF: 2891192.8/24



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.015+/-0.024 χ^2/NDF:15.5/7

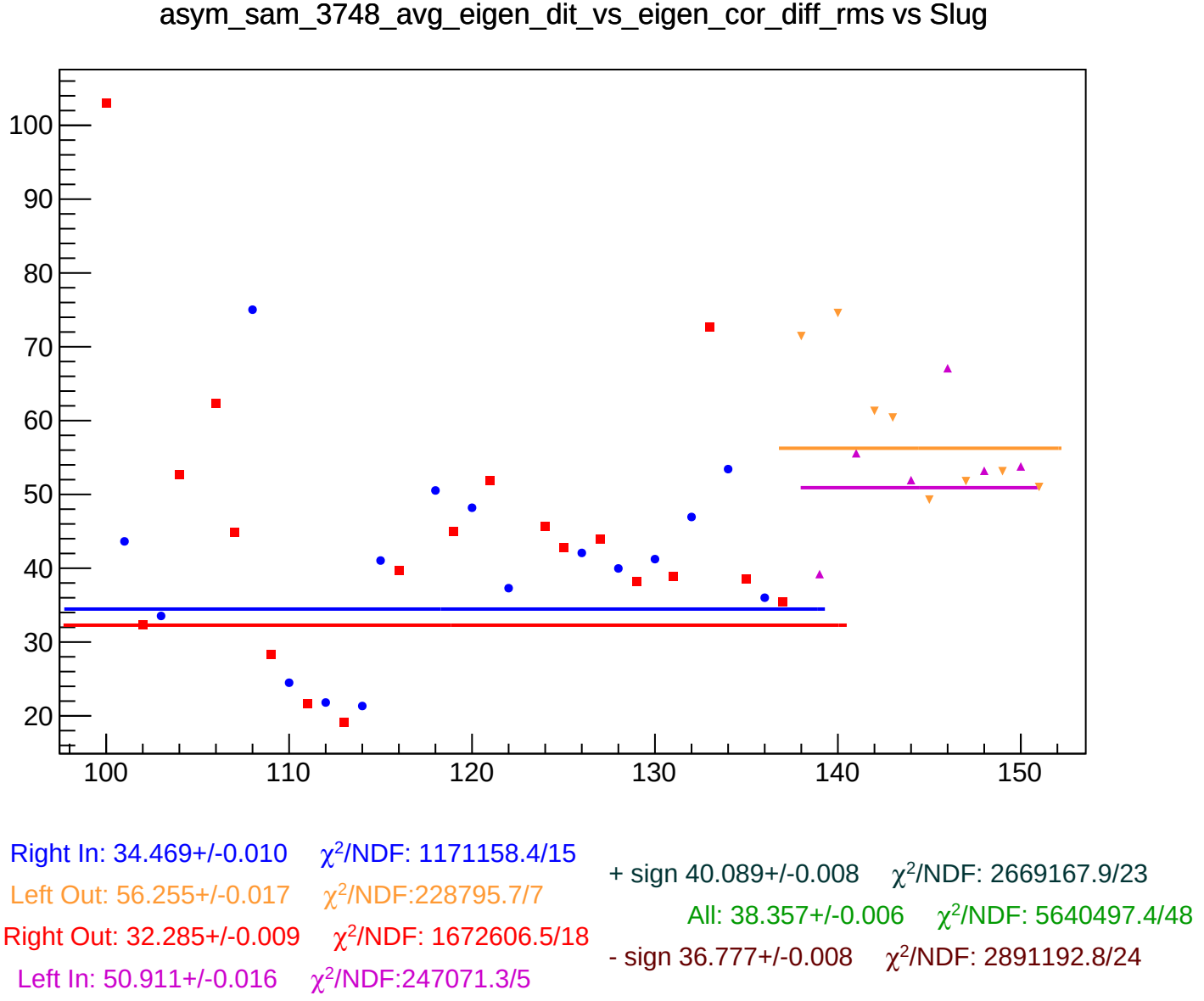
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.014+/-0.023 χ^2/NDF:7.9/5

+ sign 0.030+/-0.012 χ^2/NDF: 33.0/23

All: 0.020+/-0.008 χ^2/NDF: 57.1/48

- sign 0.011+/-0.011 χ^2/NDF: 22.8/24


asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
100
90
80
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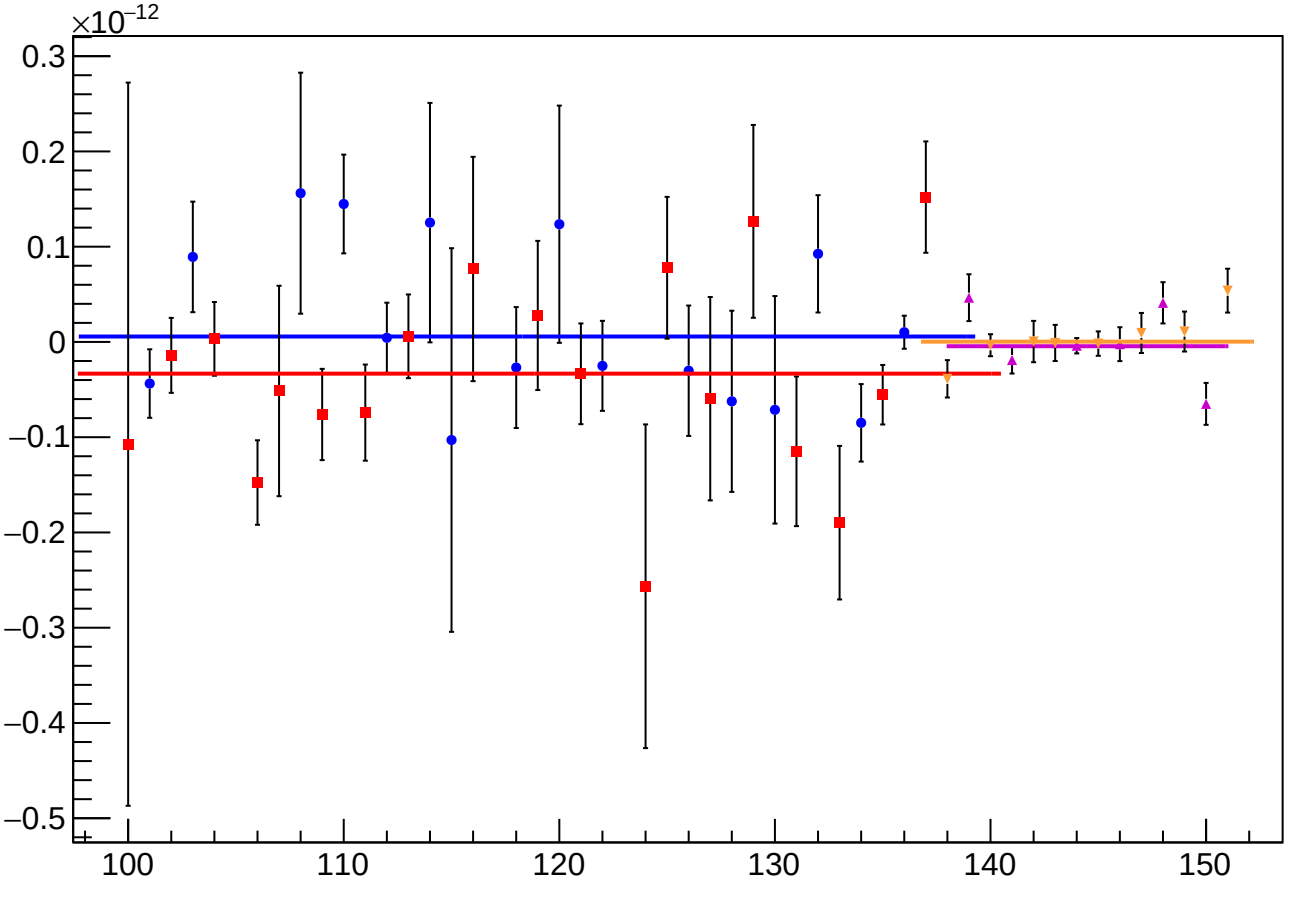
20
100
110
120
130
140
150
Right In: 34.469+/-0.010 χ²/NDF: 1171158.4/15
Left Out: 56.255+/-0.017 χ²/NDF:228795.7/7
Right Out: 32.285+/-0.009 χ²/NDF: 1672606.5/18
Left In: 50.911+/-0.016 χ²/NDF:247071.3/5
+ sign 40.089+/-0.008 χ²/NDF: 2669167.9/23
All: 38.357+/-0.006 χ²/NDF: 5640497.4/48
- sign 36.777+/-0.008 χ²/NDF: 2891192.8/24



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.9/7

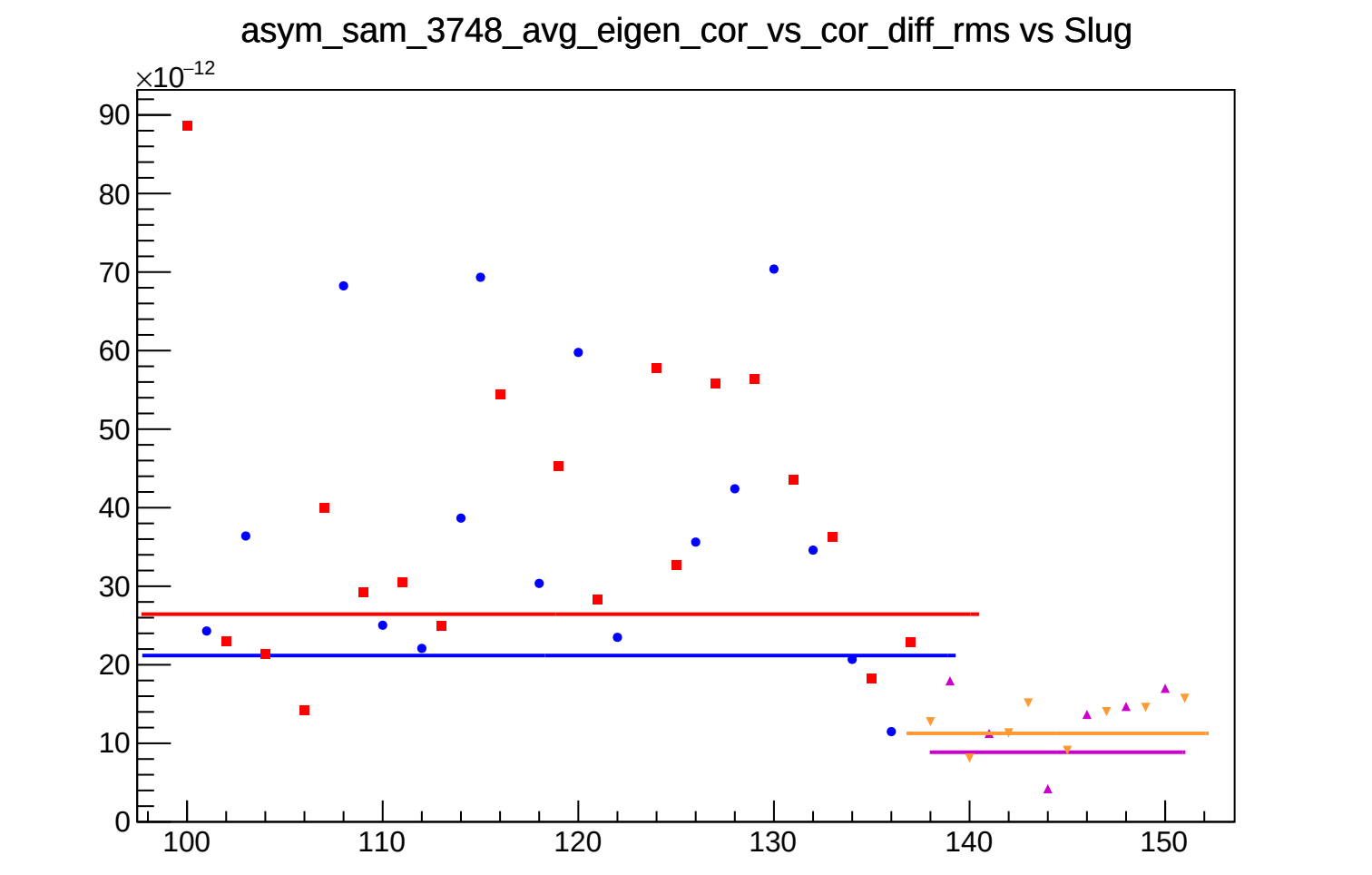
Right Out: -0.000+/-0.000 χ^2/NDF: 33.5/18

Left In: -0.000+/-0.000 χ^2/NDF:17.3/5

+ sign 0.000+/-0.000 χ^2/NDF: 33.7/23

All: -0.000+/-0.000 χ^2/NDF: 90.6/48

- sign -0.000+/-0.000 χ^2/NDF: 54.9/24



Right In: 0.000+/-0.000 χ^2/NDF: 2081289.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:460700.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1217987.6/18

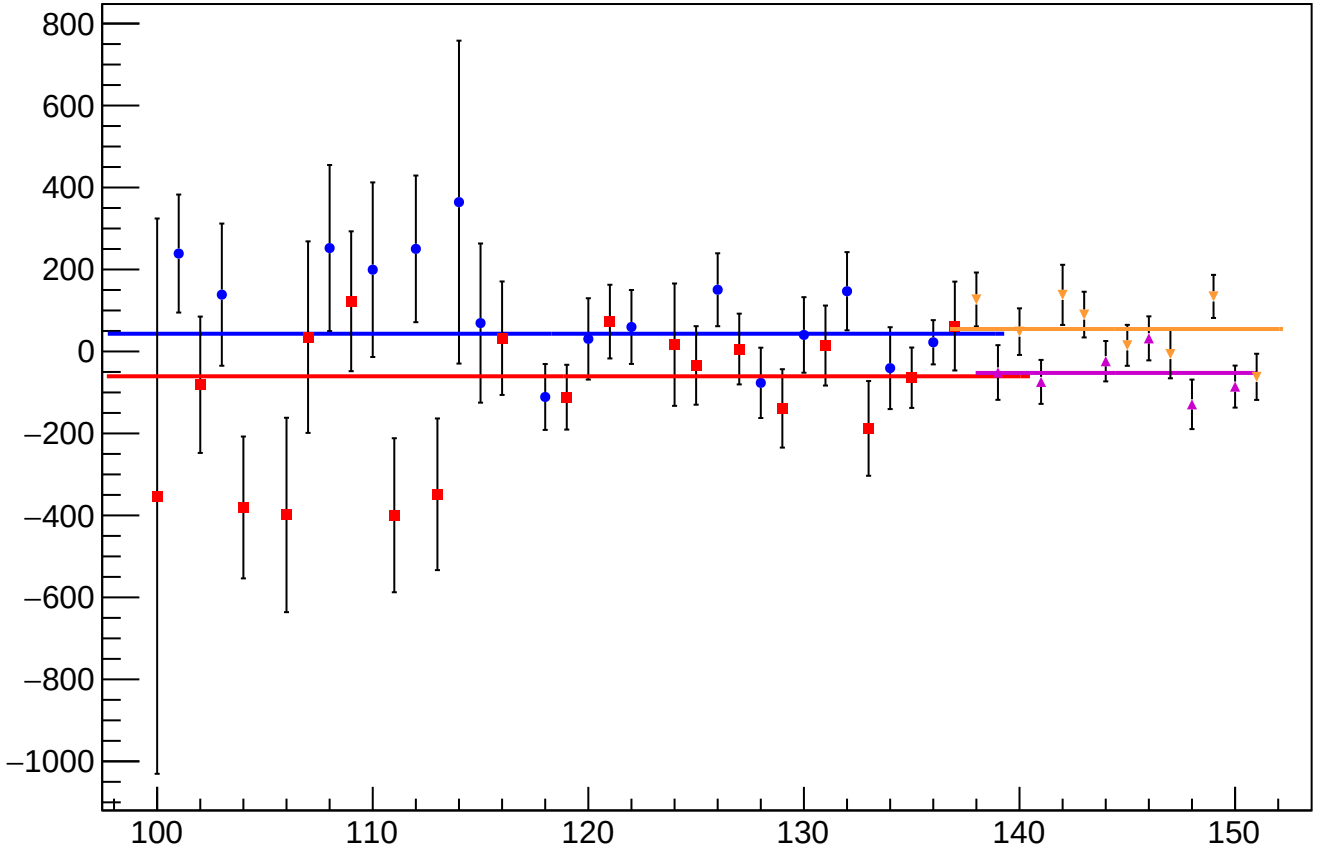
Left In: 0.000+/-0.000 χ^2/NDF:1558411.2/5

+ sign 0.000+/-0.000 χ^2/NDF: 3720201.8/23

All: 0.000+/-0.000 χ^2/NDF: 9617459.5/48

- sign 0.000+/-0.000 χ^2/NDF: 5803981.2/24

reg_asym_sam_1526_avg_mean vs Slug



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 54.800+/-20.365 χ^2/NDF:11.2/7

Right Out: -60.582+/-26.894 χ^2/NDF: 20.4/18

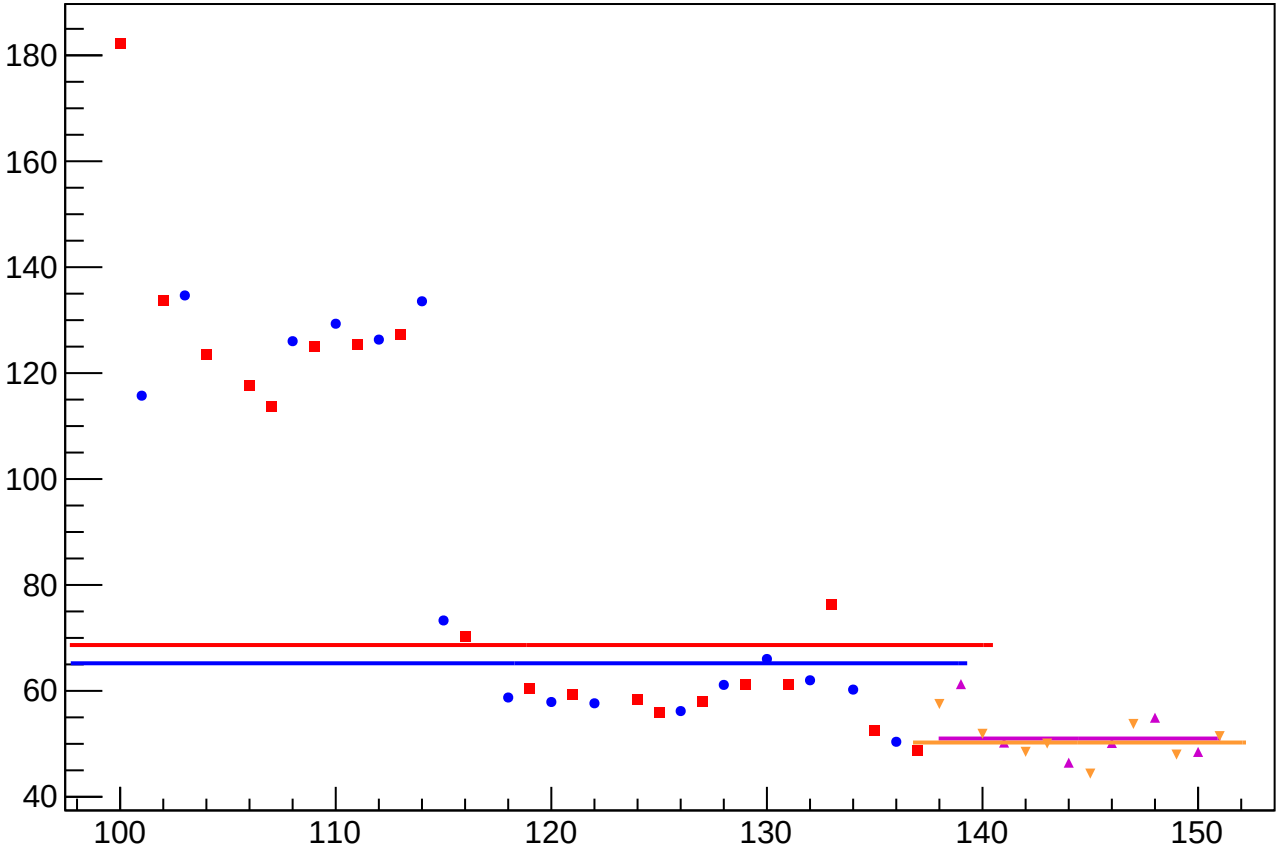
Left In: -52.394+/-22.445 χ^2/NDF:5.0/5

+ sign 50.361+/-15.980 χ^2/NDF: 26.3/23

All: 1.297+/-11.717 χ^2/NDF: 72.1/48

- sign -55.756+/-17.232 χ^2/NDF: 25.5/24

reg_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 50.253+/-0.014 χ^2/NDF:66571.3/7

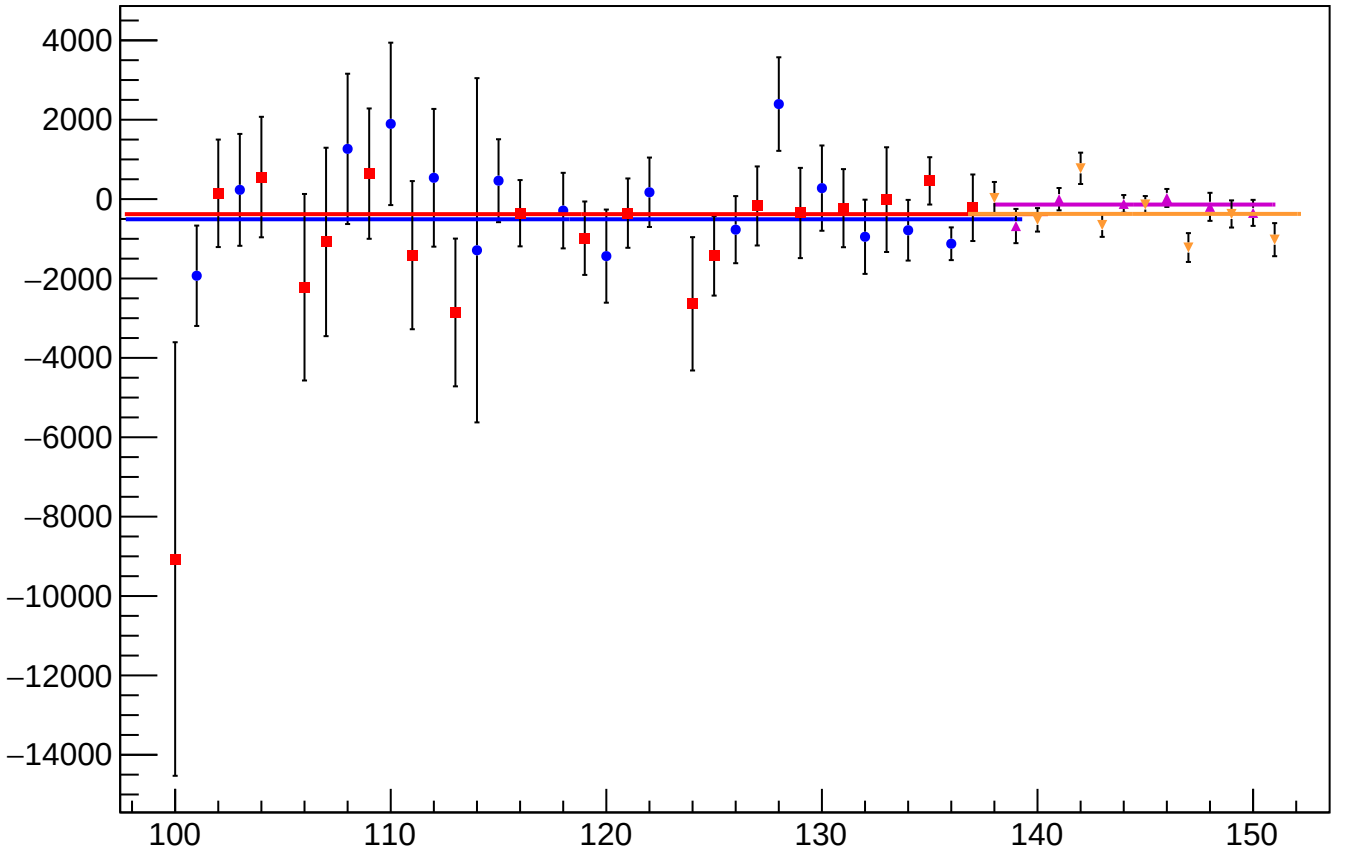
Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 51.004+/-0.016 χ^2/NDF:78775.7/5

+ sign 56.001+/-0.011 χ^2/NDF: 1927760.1/23

All: 57.041+/-0.008 χ^2/NDF: 4173660.3/48

- sign 58.251+/-0.012 χ^2/NDF: 2227559.7/24



Right In: -507.928+/-236.945 χ^2/NDF: 15.6/15

Left Out: -372.464+/-112.460 χ^2/NDF:19.7/7

Right Out: -378.892+/-256.407 χ^2/NDF: 11.7/18

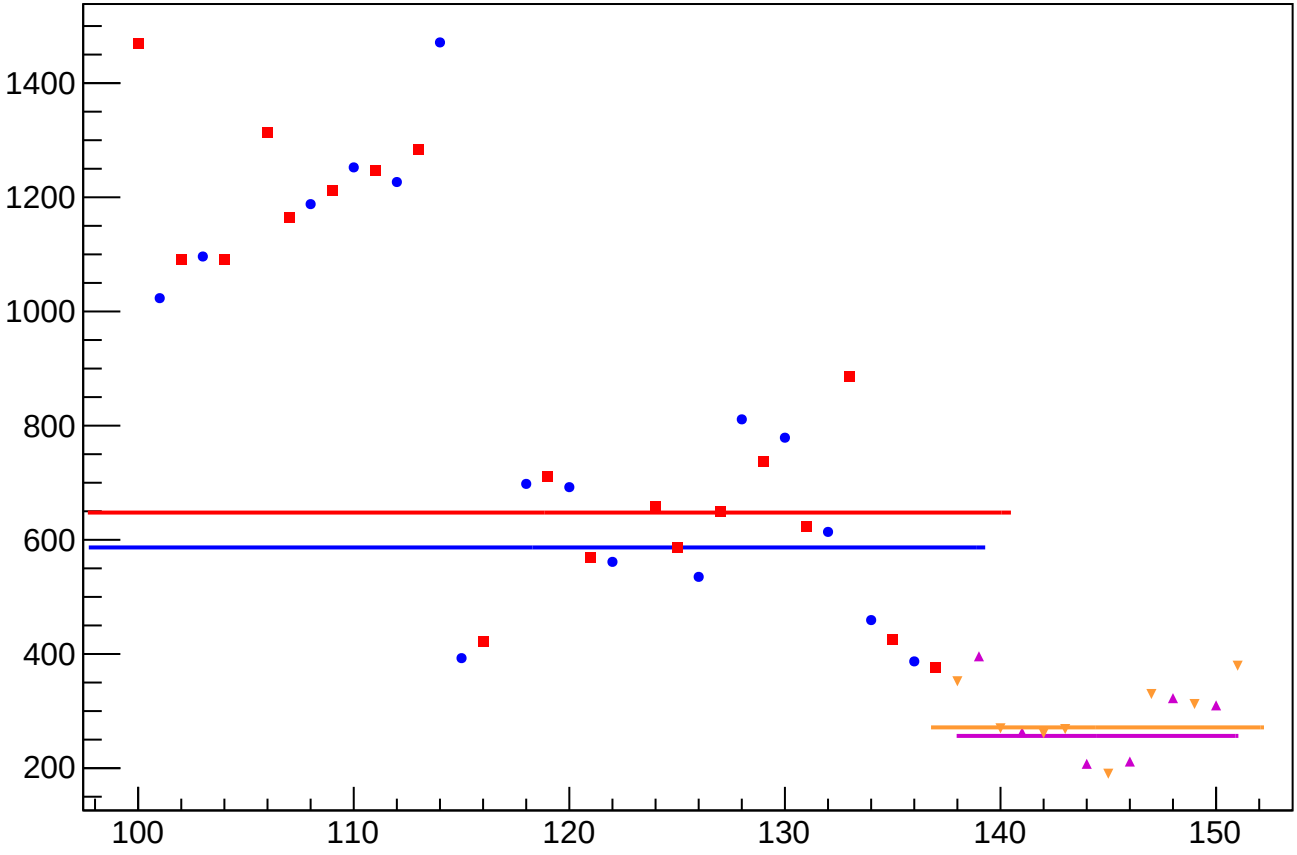
Left In: -137.245+/-115.443 χ^2/NDF:2.8/5

+ sign -397.369+/-101.597 χ^2/NDF: 35.6/23

All: -291.561+/-73.103 χ^2/NDF: 53.1/48

- sign -177.973+/-105.266 χ^2/NDF: 15.3/24

asym_sam_1526_avg_reg_correction_rms vs Slug



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 271.437+/-0.080 χ^2/NDF:586515.7/7

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

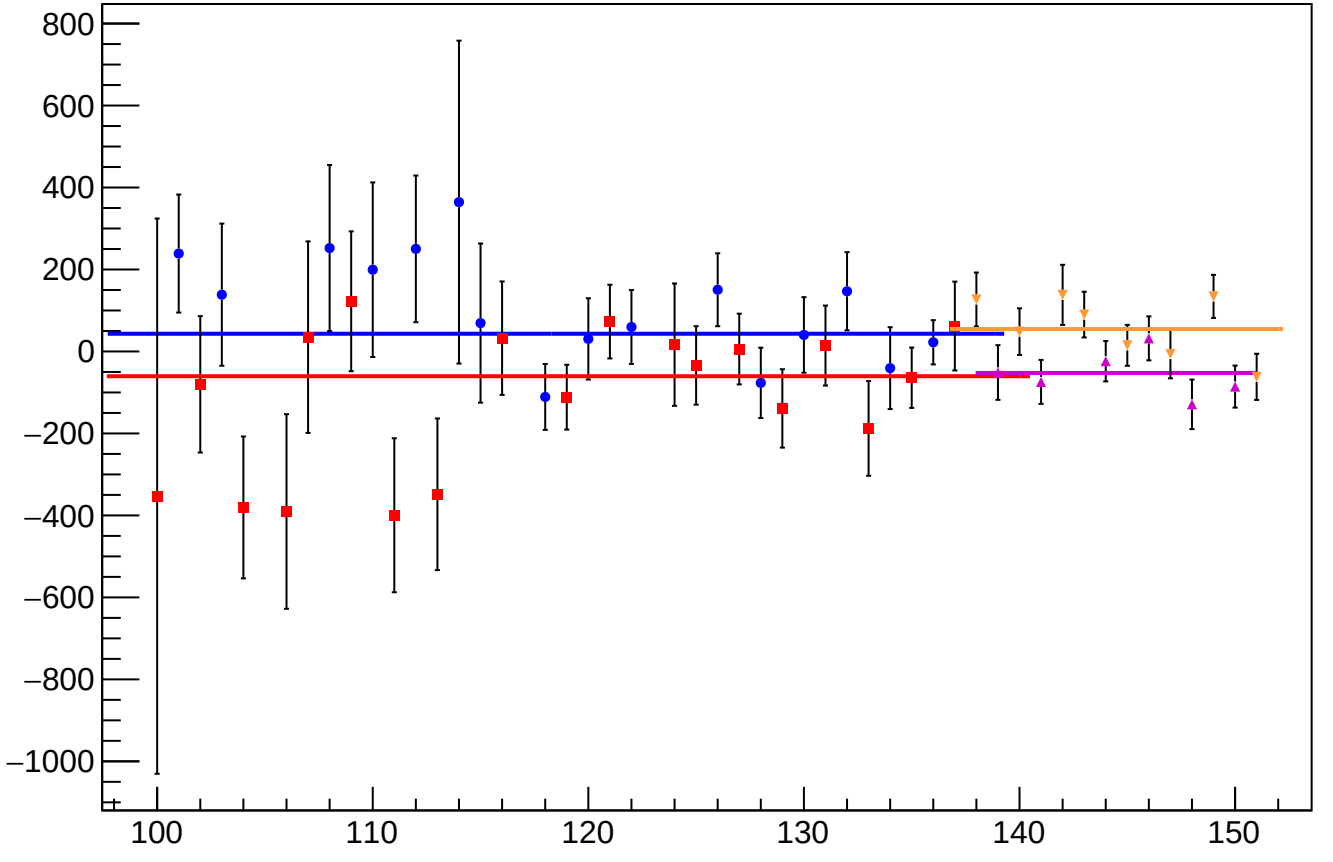
Left In: 256.511+/-0.082 χ^2/NDF:508692.5/5

+ sign 329.389+/-0.072 χ^2/NDF: 5528331.5/23

All: 326.042+/-0.052 χ^2/NDF: 12018520.3/48

- sign 322.449+/-0.074 χ^2/NDF: 6485688.8/24

cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 54.805+/-20.365 χ^2/NDF:11.2/7

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

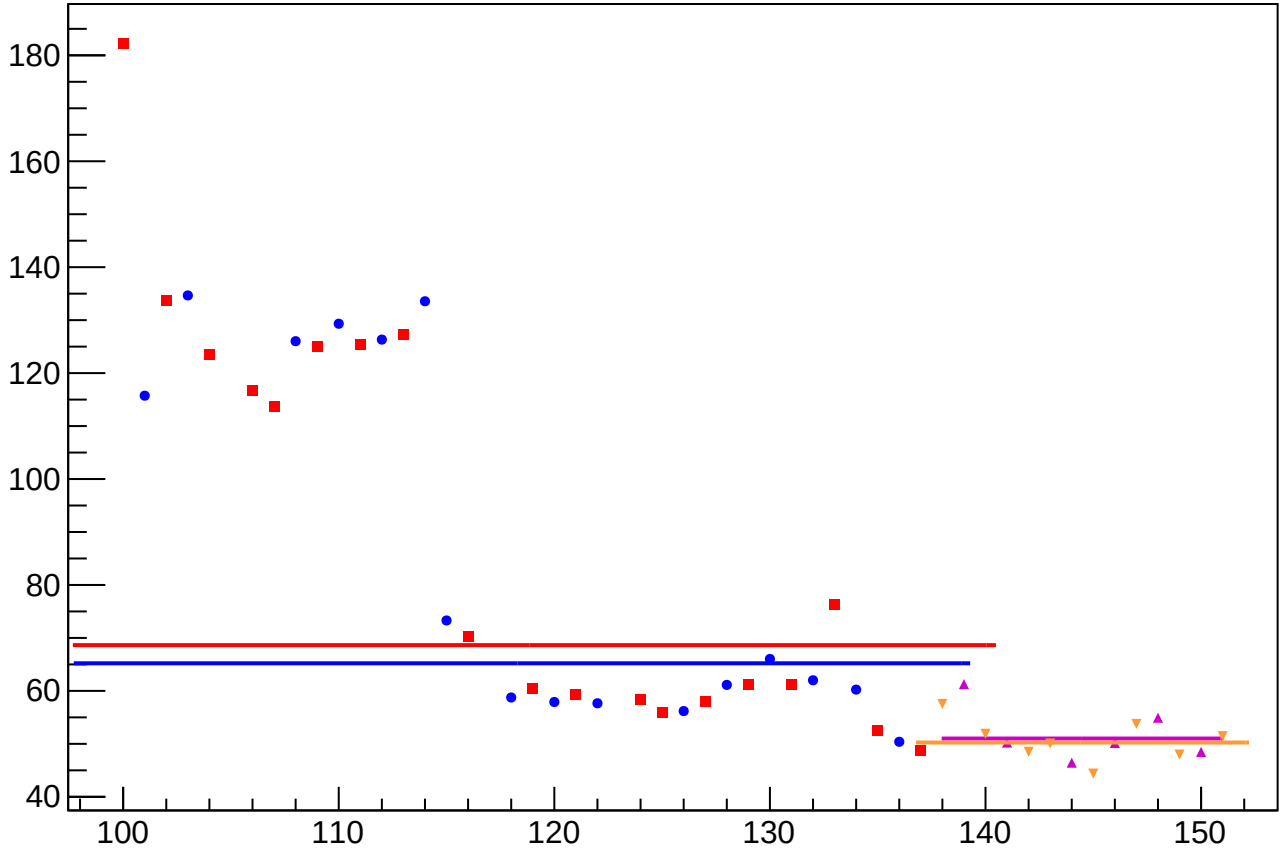
Left In: -52.393+/-22.445 χ^2/NDF:5.0/5

+ sign 50.361+/-15.980 χ^2/NDF: 26.3/23

All: 1.327+/-11.718 χ^2/NDF: 72.0/48

- sign -55.693+/-17.233 χ^2/NDF: 25.4/24

cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 50.253+/-0.014 χ^2/NDF:66571.3/7

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

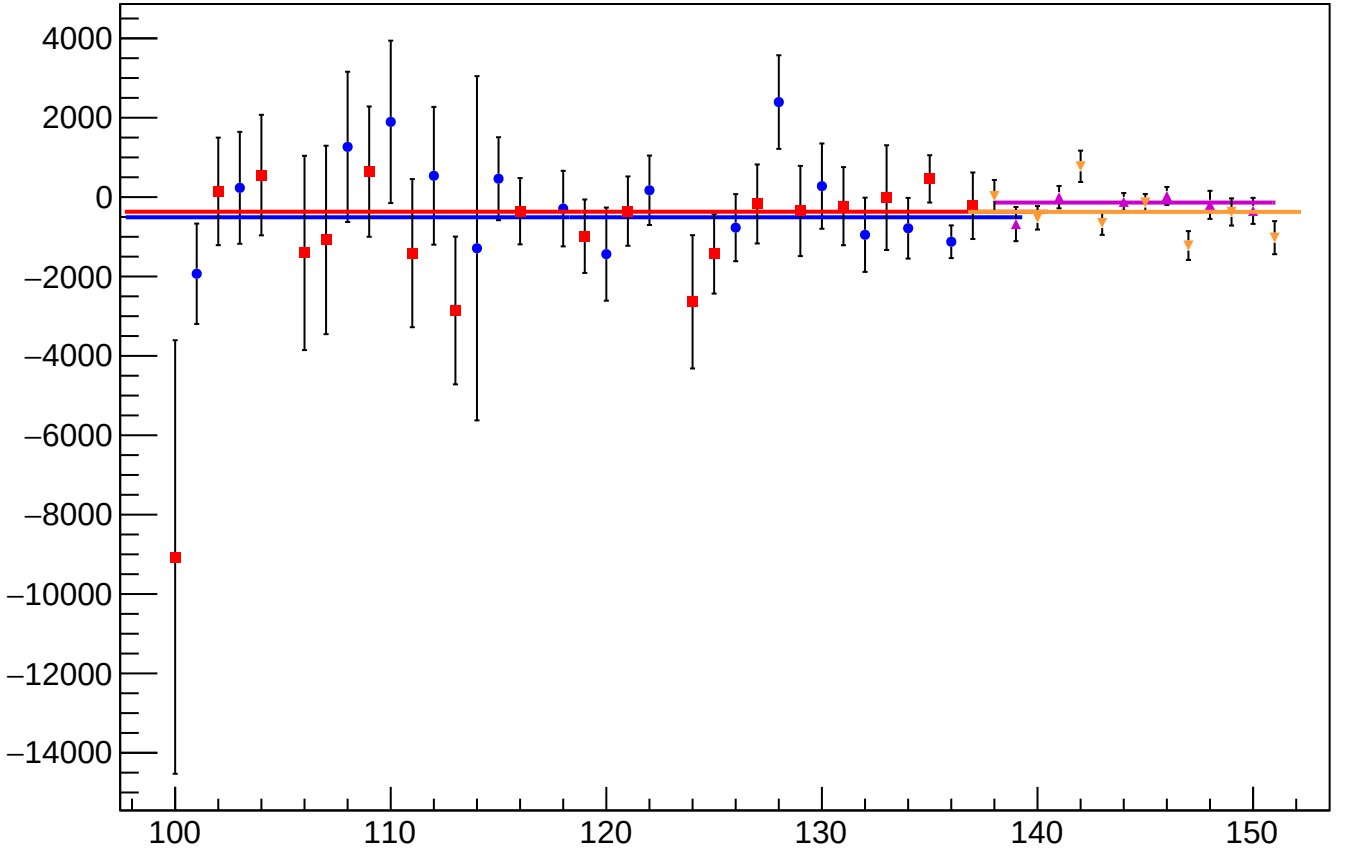
Left In: 51.004+/-0.016 χ^2/NDF:78775.7/5

+ sign 56.001+/-0.011 χ^2/NDF: 1927762.3/23

All: 57.038+/-0.008 χ^2/NDF: 4169373.1/48

- sign 58.245+/-0.012 χ^2/NDF: 2223371.0/24

asym_sam_1526_avg_cor_correction_mean vs Slug



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -372.458+/-112.460 χ^2/NDF:19.7/7

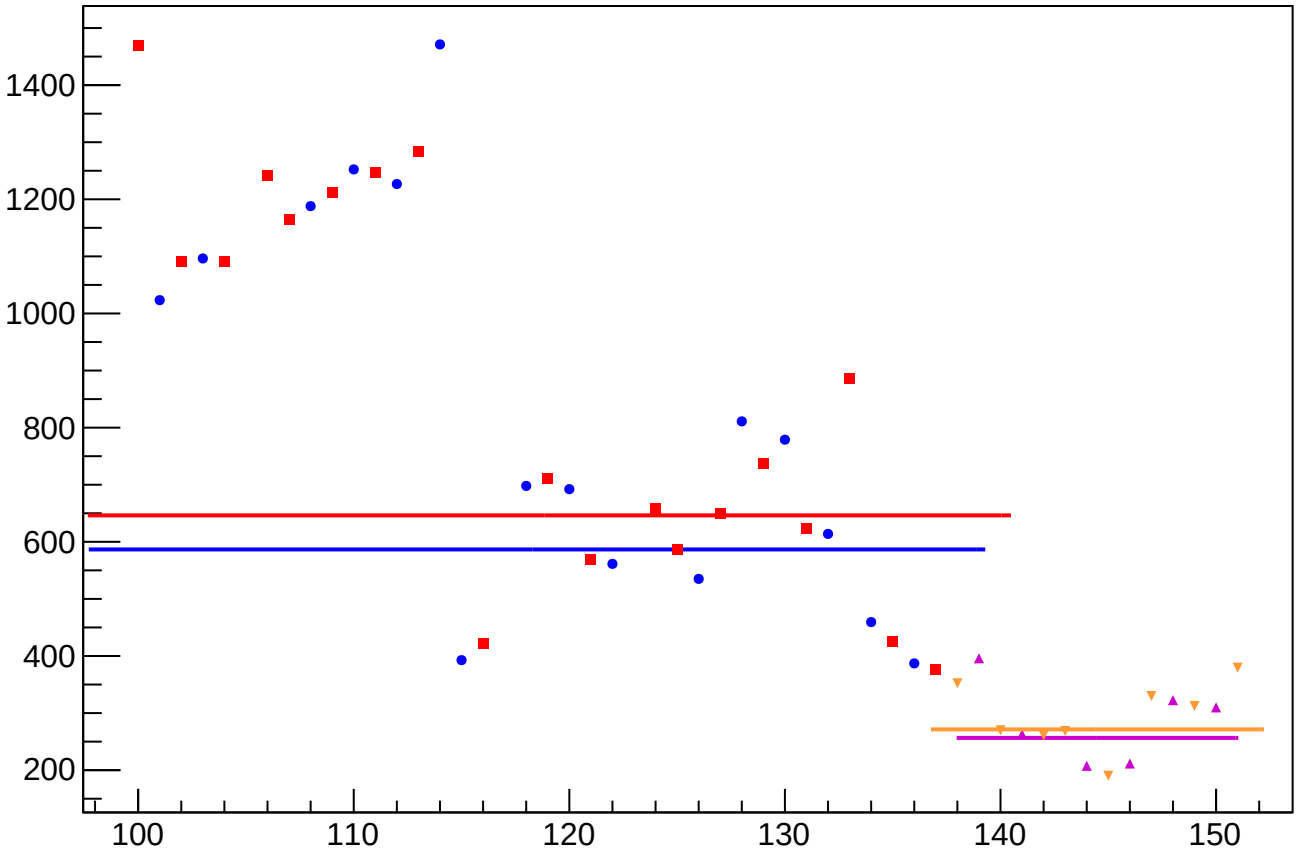
Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: -137.245+/-115.443 χ^2/NDF:2.8/5

+ sign -397.362+/-101.597 χ^2/NDF: 35.6/23

All: -290.692+/-73.105 χ^2/NDF: 52.6/48

- sign -176.161+/-105.275 χ^2/NDF: 14.8/24



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 271.437+/-0.080 χ^2/NDF:586518.4/7

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

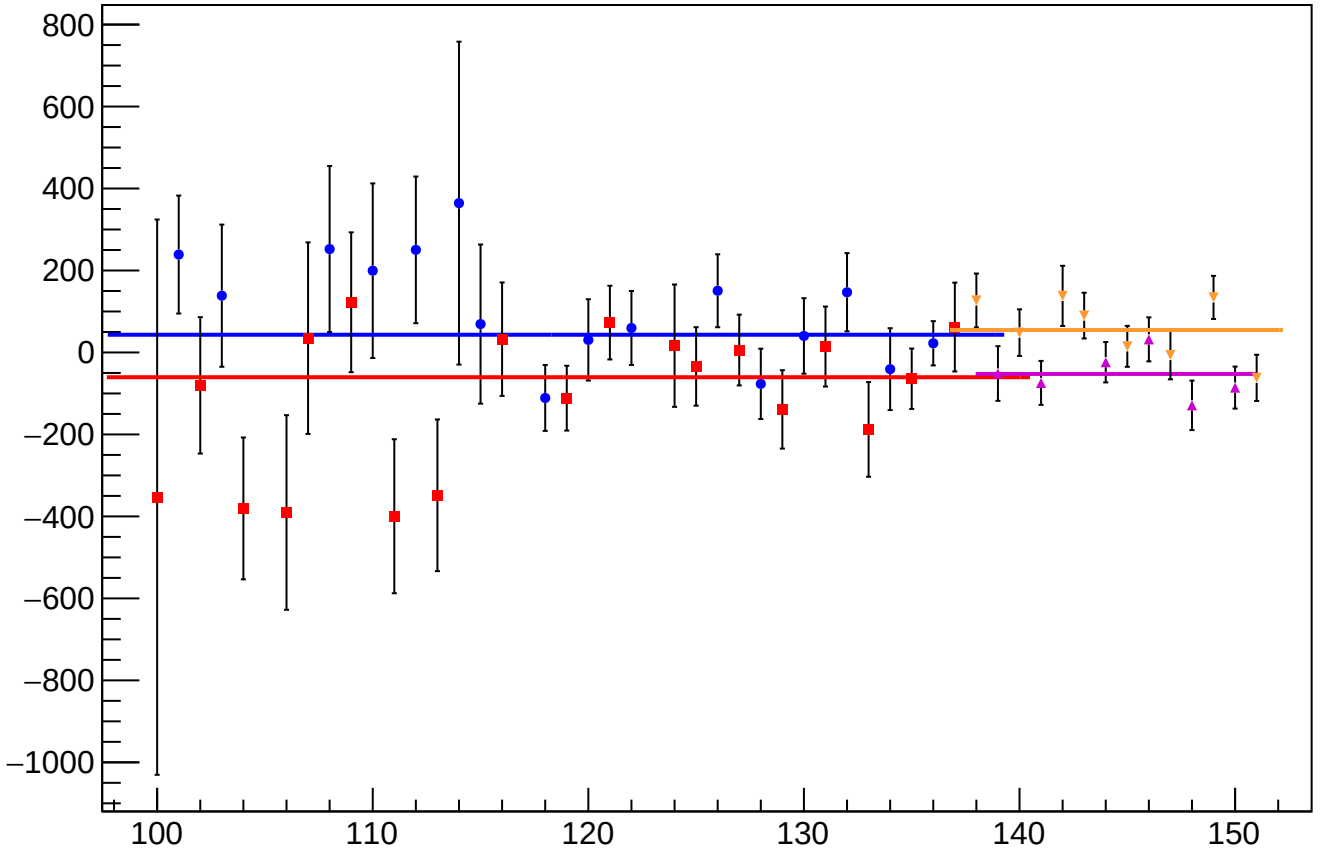
Left In: 256.511+/-0.082 χ^2/NDF:508690.3/5

+ sign 329.388+/-0.072 χ^2/NDF: 5528364.4/23

All: 325.902+/-0.052 χ^2/NDF: 11945500.1/48

- sign 322.158+/-0.074 χ^2/NDF: 6412251.2/24

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 54.805+/-20.365 χ^2/NDF:11.2/7

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

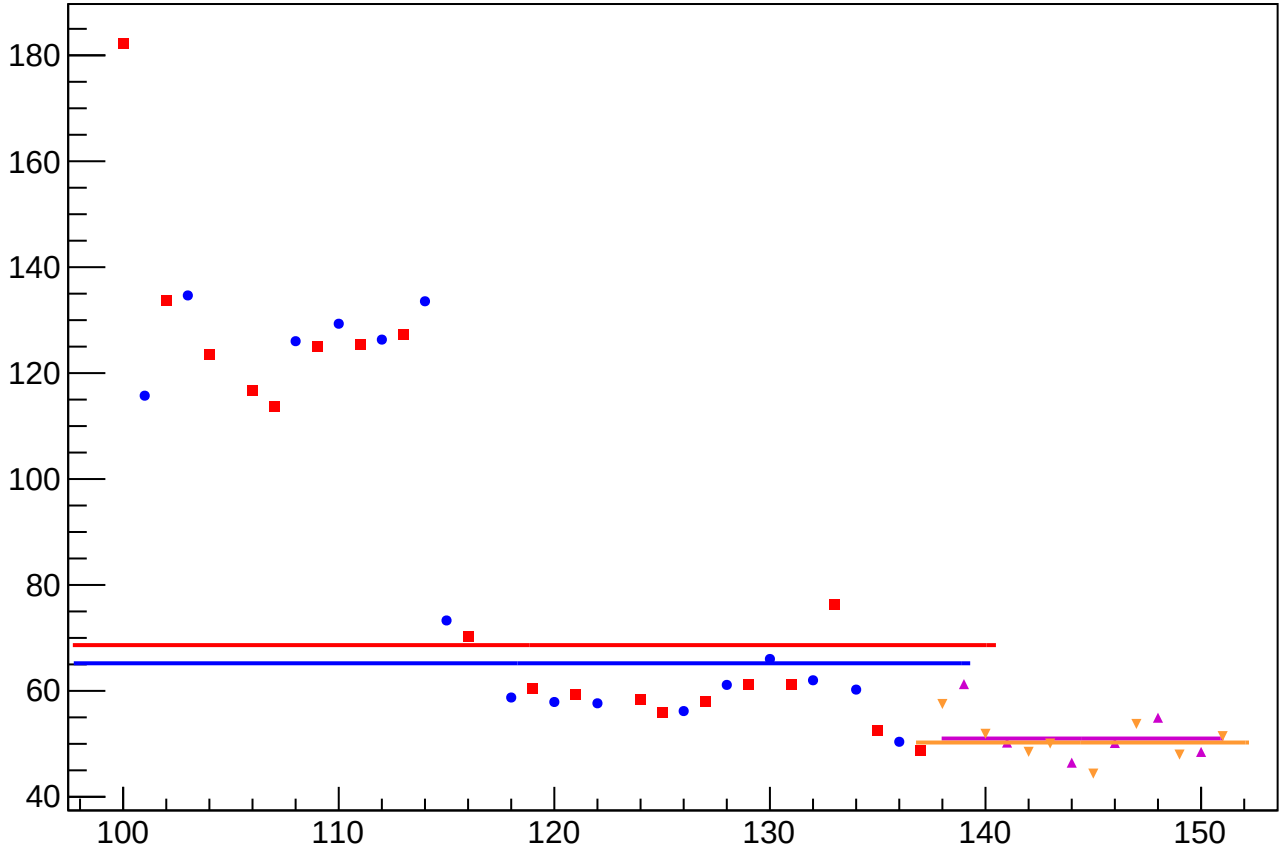
Left In: -52.393+/-22.445 χ^2/NDF:5.0/5

+ sign 50.361+/-15.980 χ^2/NDF: 26.3/23

All: 1.327+/-11.718 χ^2/NDF: 72.0/48

- sign -55.693+/-17.233 χ^2/NDF: 25.4/24

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 50.253+/-0.014 χ^2/NDF:66571.3/7

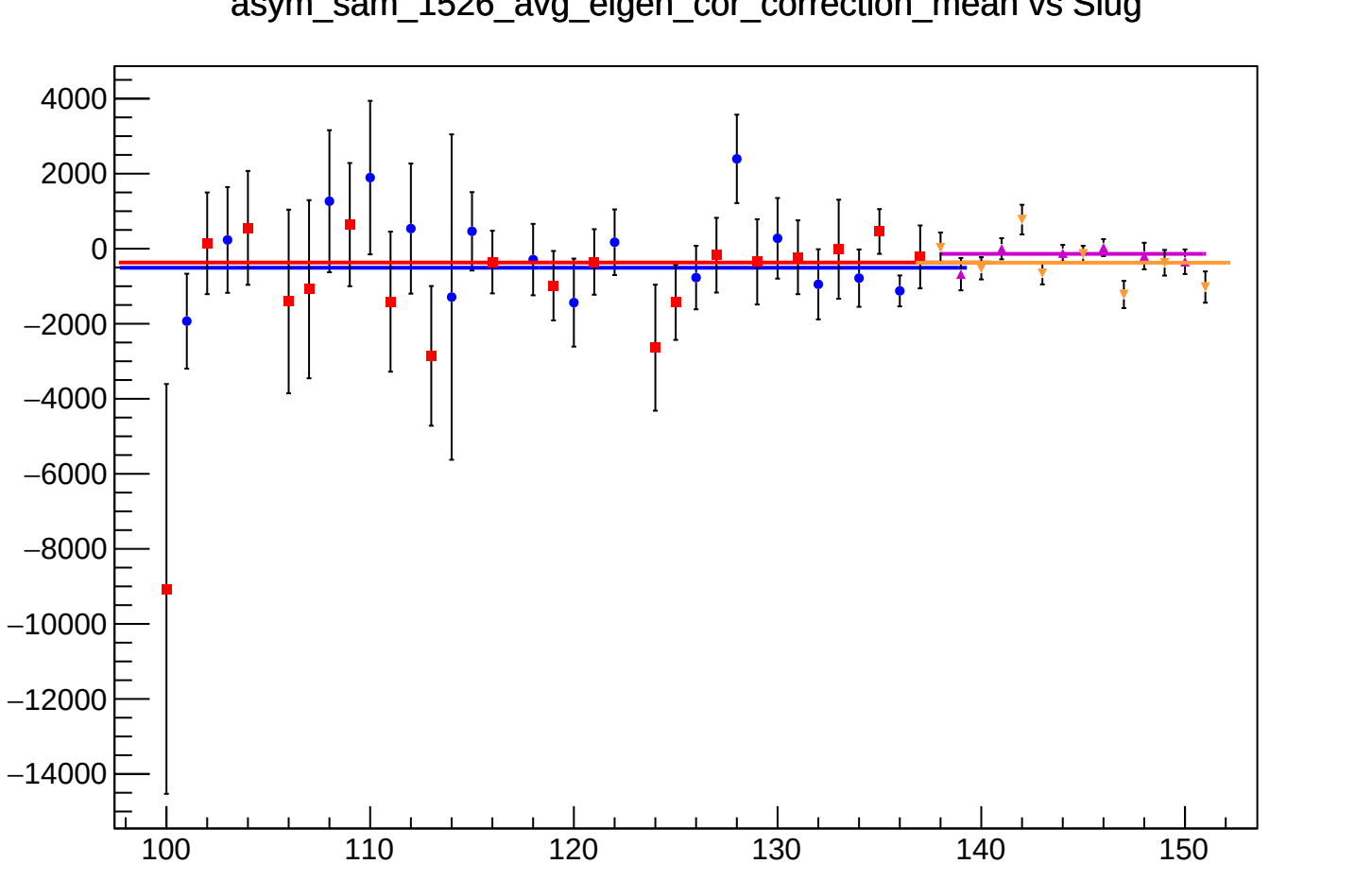
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 51.004+/-0.016 χ^2/NDF:78775.7/5

\+ sign 56.001+/-0.011 χ^2/NDF: 1927762.3/23

All: 57.038+/-0.008 χ^2/NDF: 4169373.1/48

\- sign 58.245+/-0.012 χ^2/NDF: 2223371.0/24



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -372.458+/-112.460 χ^2/NDF:19.7/7

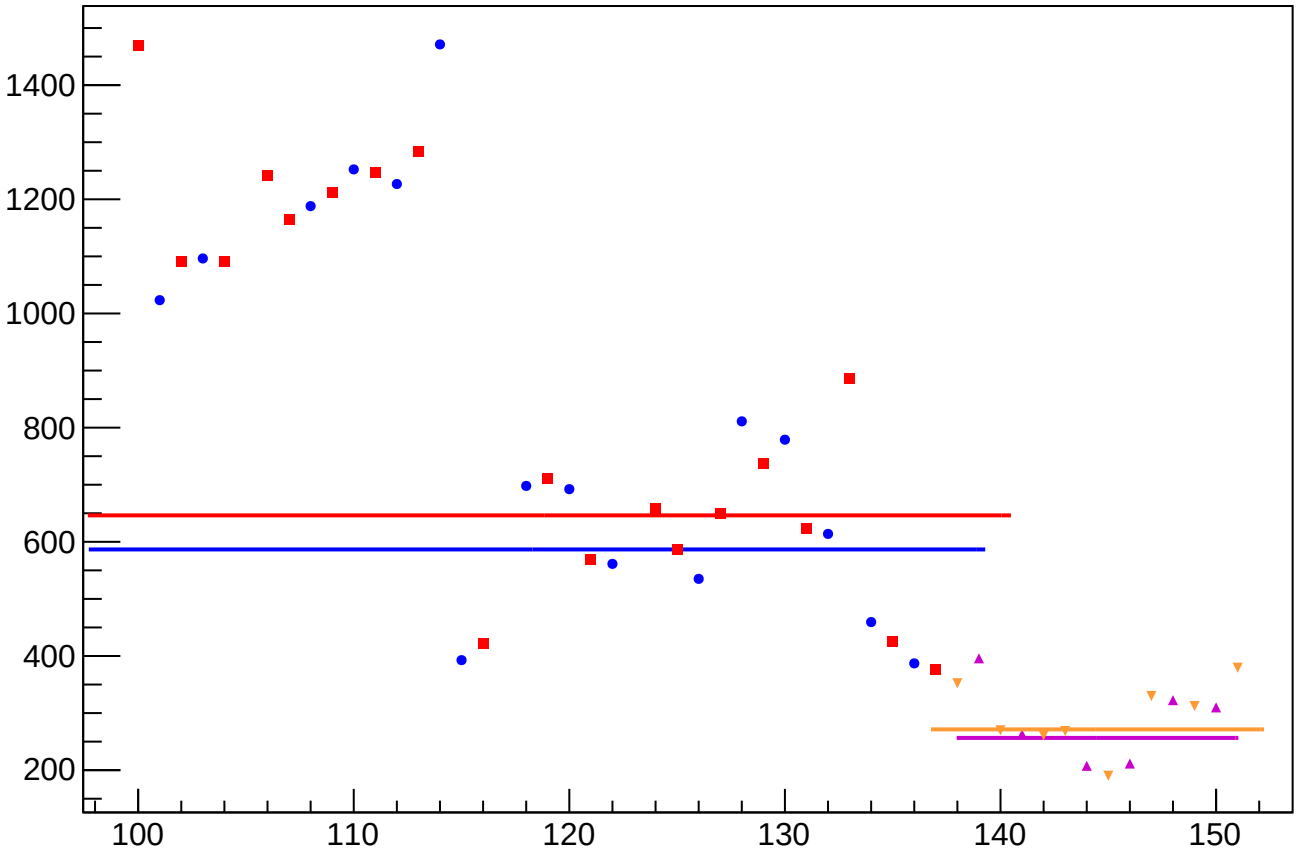
Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: -137.245+/-115.443 χ^2/NDF:2.8/5

+ sign -397.362+/-101.597 χ^2/NDF: 35.6/23

All: -290.692+/-73.105 χ^2/NDF: 52.6/48

- sign -176.161+/-105.275 χ^2/NDF: 14.8/24



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 271.437+/-0.080 χ^2/NDF:586518.4/7

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

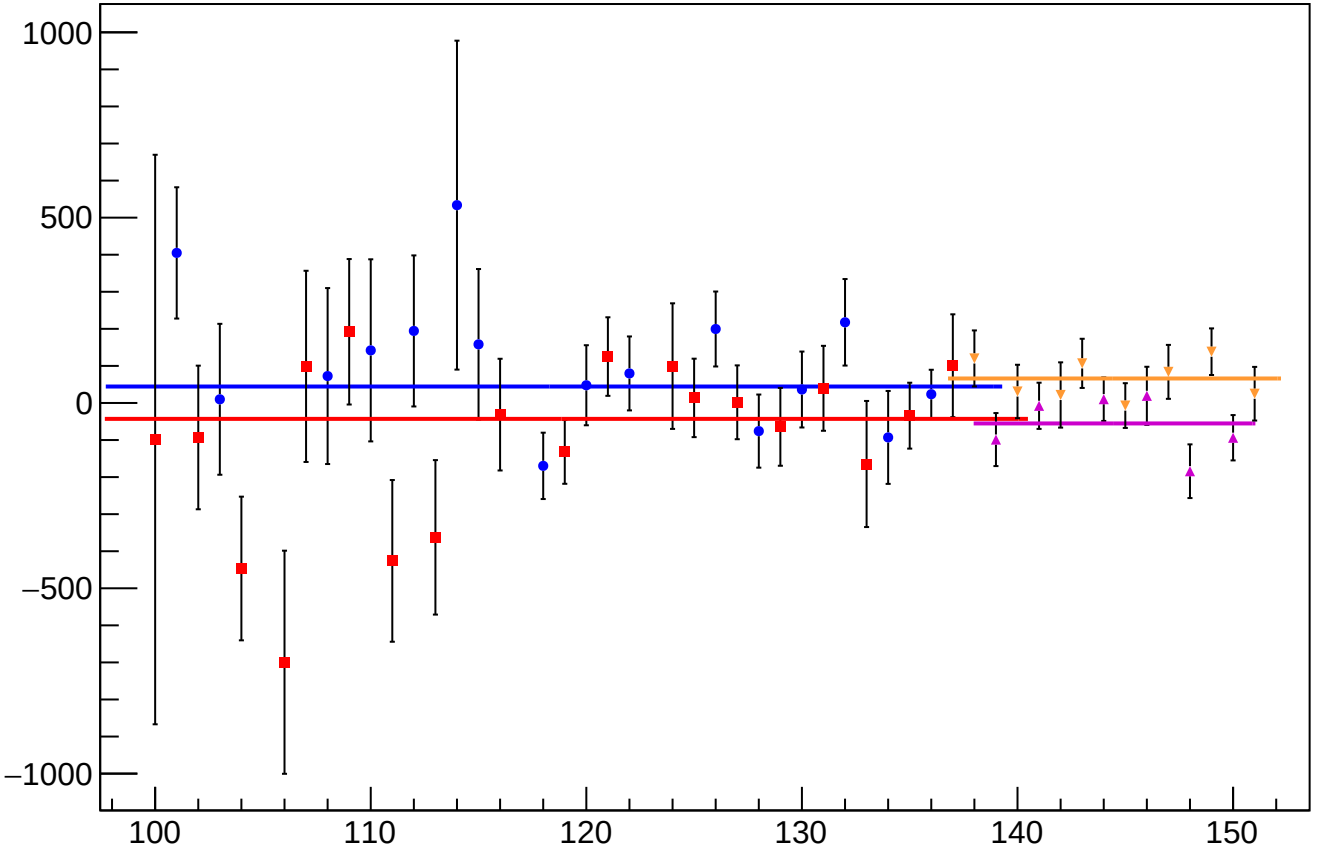
Left In: 256.511+/-0.082 χ^2/NDF:508690.3/5

+ sign 329.388+/-0.072 χ^2/NDF: 5528364.4/23

All: 325.902+/-0.052 χ^2/NDF: 11945500.1/48

- sign 322.158+/-0.074 χ^2/NDF: 6412251.2/24

dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 66.058+/-24.766 χ^2/NDF:4.6/7

Right Out: -42.901+/-31.248 χ^2/NDF: 23.3/18

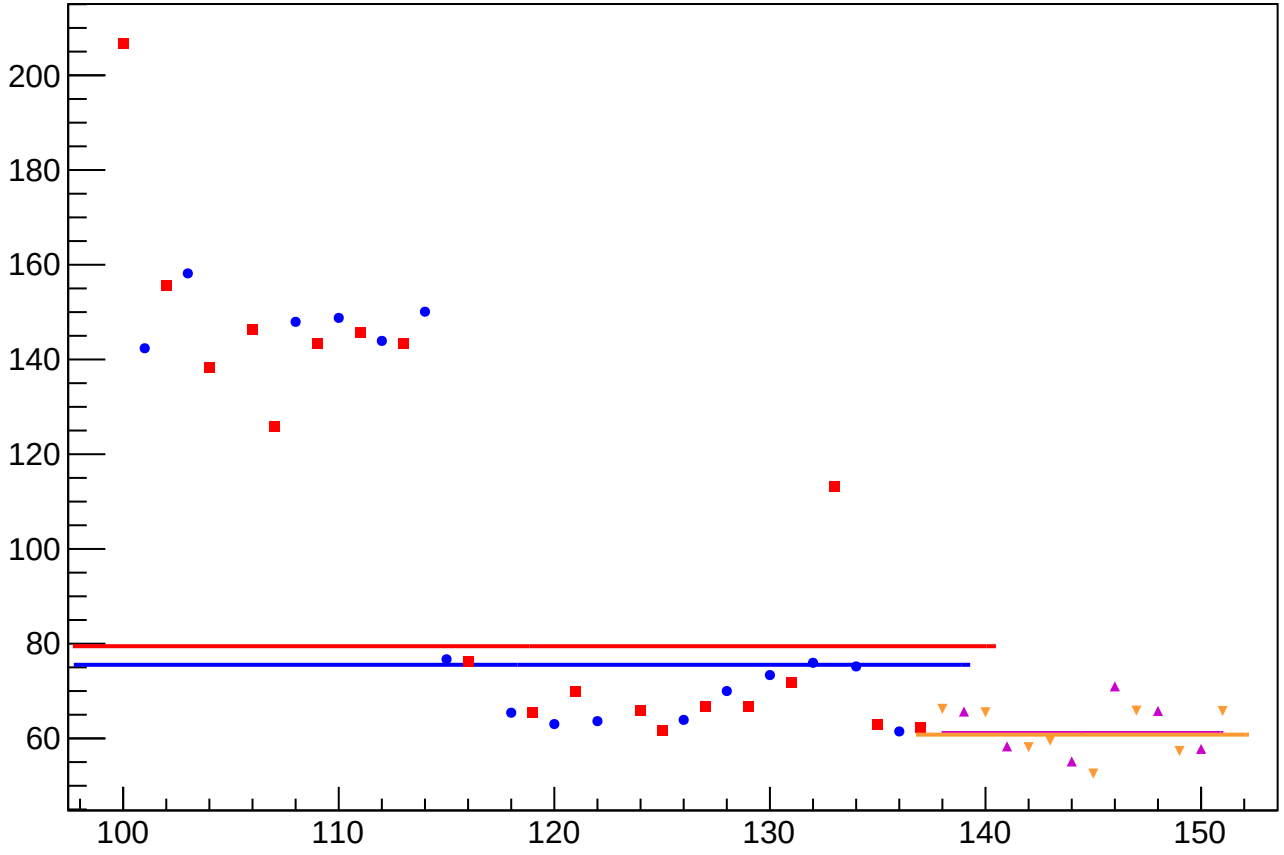
Left In: -55.227+/-27.076 χ^2/NDF:6.7/5

+ sign 57.243+/-19.075 χ^2/NDF: 24.5/23

All: 7.408+/-13.953 χ^2/NDF: 69.2/48

- sign -49.941+/-20.463 χ^2/NDF: 30.0/24

dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 60.797+/-0.018 χ^2/NDF:83892.3/7

Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

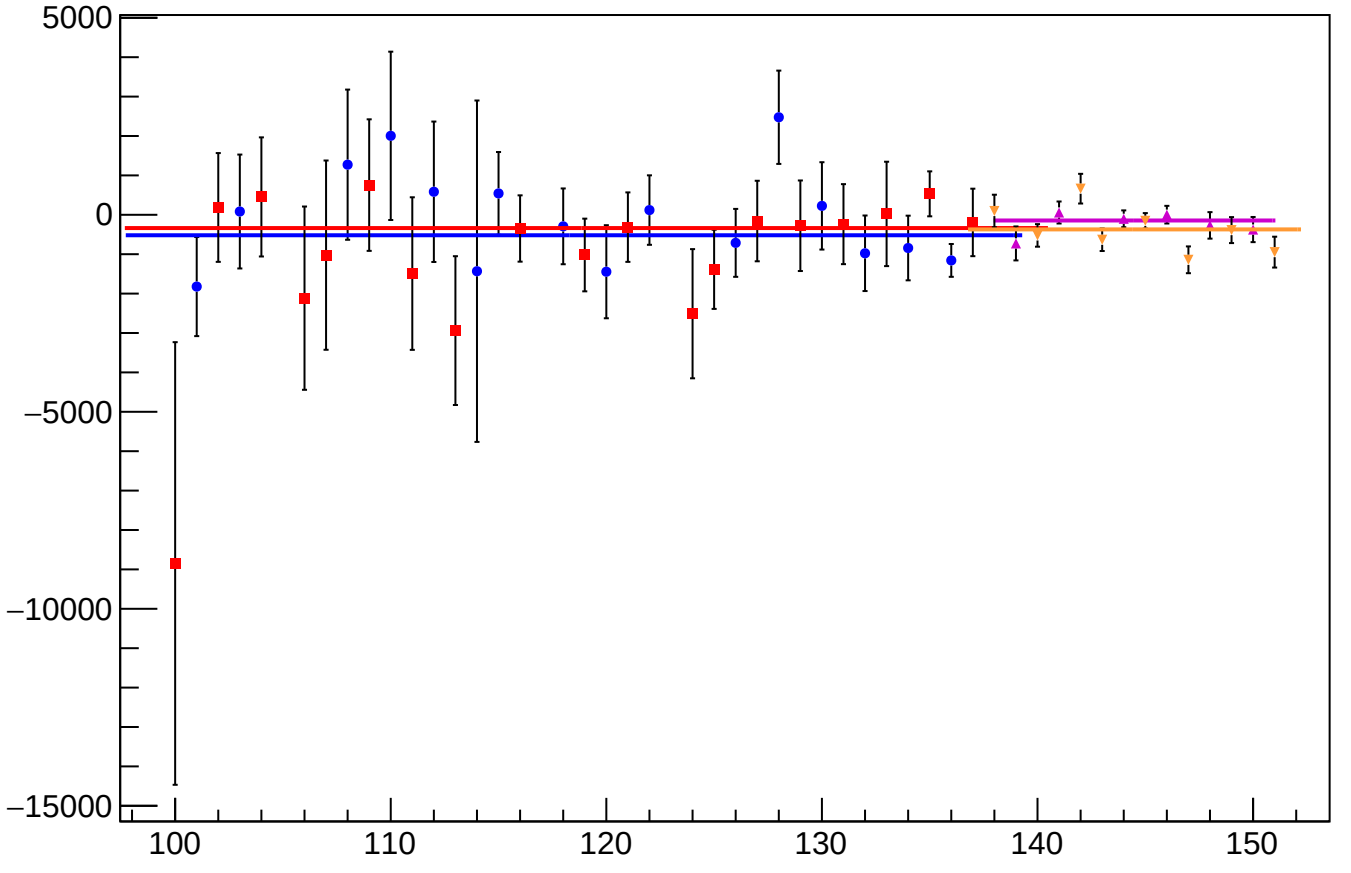
Left In: 61.147+/-0.019 χ^2/NDF:78837.2/5

+ sign 66.796+/-0.013 χ^2/NDF: 1837886.3/23

All: 67.822+/-0.010 χ^2/NDF: 4005363.5/48

- sign 69.003+/-0.014 χ^2/NDF: 2155034.6/24

asym_sam_1526_avg_dit_correction_mean vs Slug



Right In: -519.250+/-241.317 χ^2/NDF: 15.8/15

Left Out: -370.761+/-106.832 χ^2/NDF:18.5/7

Right Out: -336.731+/-256.618 χ^2/NDF: 11.9/18

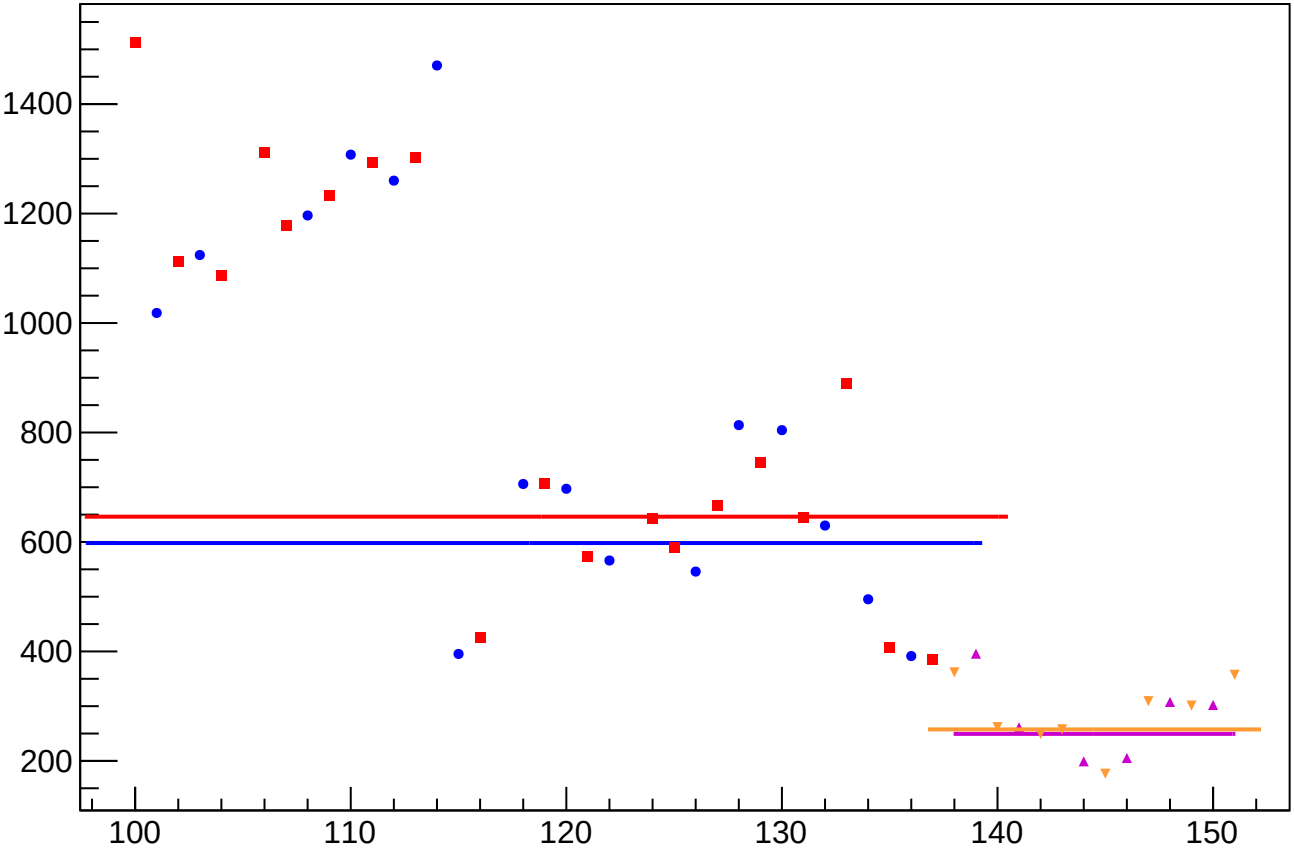
Left In: -144.366+/-112.666 χ^2/NDF:3.5/5

+ sign -395.094+/-97.687 χ^2/NDF: 34.6/23

All: -291.255+/-70.931 χ^2/NDF: 52.9/48

- sign -175.453+/-103.161 χ^2/NDF: 15.9/24

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 257.539+/-0.076 χ^2/NDF:679041.8/7

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

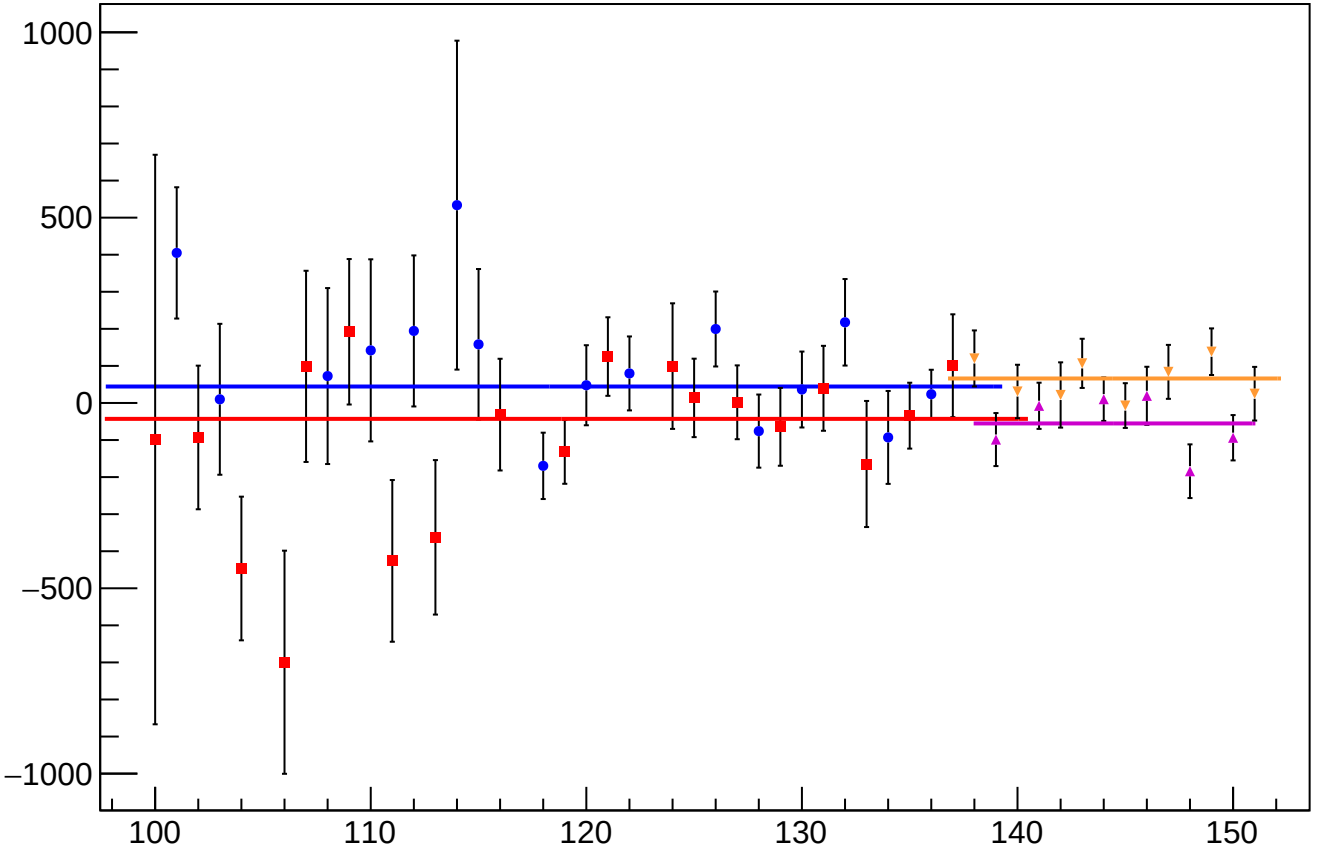
Left In: 249.369+/-0.080 χ^2/NDF:537669.5/5

\+ sign 313.338+/-0.069 χ^2/NDF: 6056341.8/23

All: 313.413+/-0.050 χ^2/NDF: 12808992.4/48

\- sign 313.497+/-0.073 χ^2/NDF: 6752648.1/24

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 66.058+/-24.766 χ^2/NDF:4.6/7

Right Out: -42.900+/-31.248 χ^2/NDF: 23.3/18

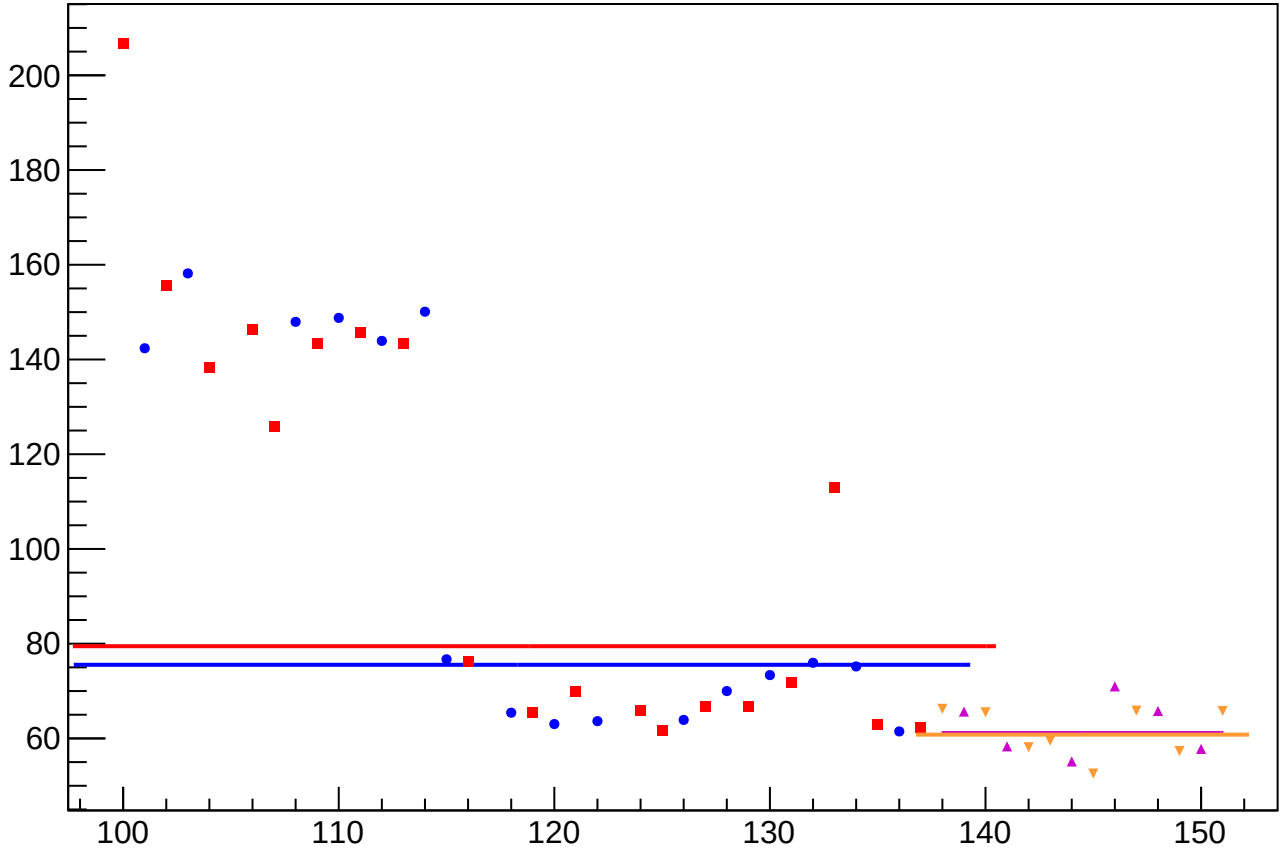
Left In: -55.226+/-27.076 χ^2/NDF:6.7/5

+ sign 57.243+/-19.075 χ^2/NDF: 24.5/23

All: 7.409+/-13.953 χ^2/NDF: 69.2/48

- sign -49.940+/-20.463 χ^2/NDF: 30.0/24

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 60.798+/-0.018 χ^2/NDF:83888.8/7

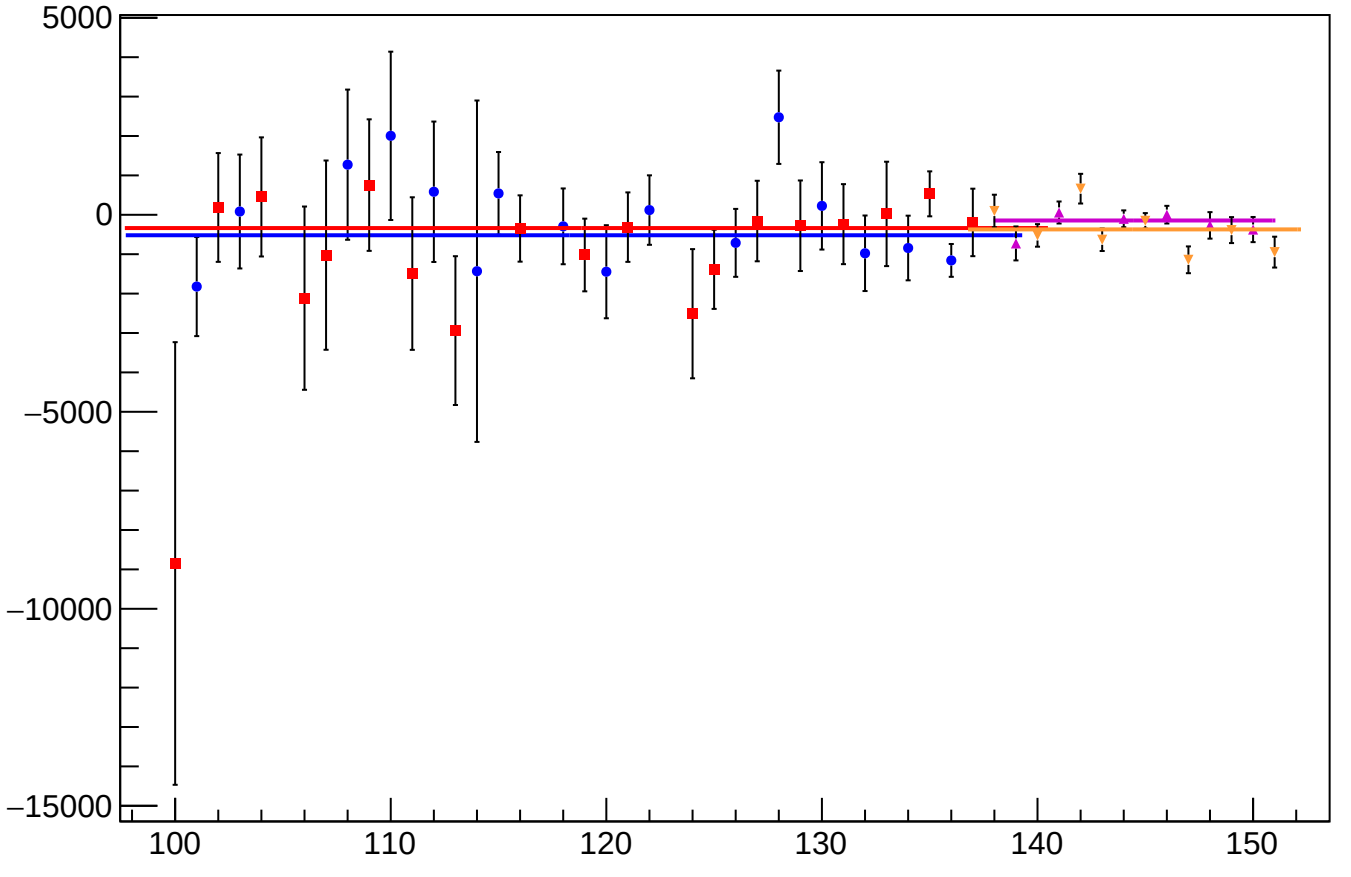
Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 61.147+/-0.019 χ^2/NDF:78836.4/5

+ sign 66.796+/-0.013 χ^2/NDF: 1837845.6/23

All: 67.822+/-0.010 χ^2/NDF: 4005293.2/48

- sign 69.003+/-0.014 χ^2/NDF: 2155005.2/24



Right In: -519.247+/-241.316 χ^2/NDF: 15.8/15

Left Out: -370.762+/-106.832 χ^2/NDF:18.5/7

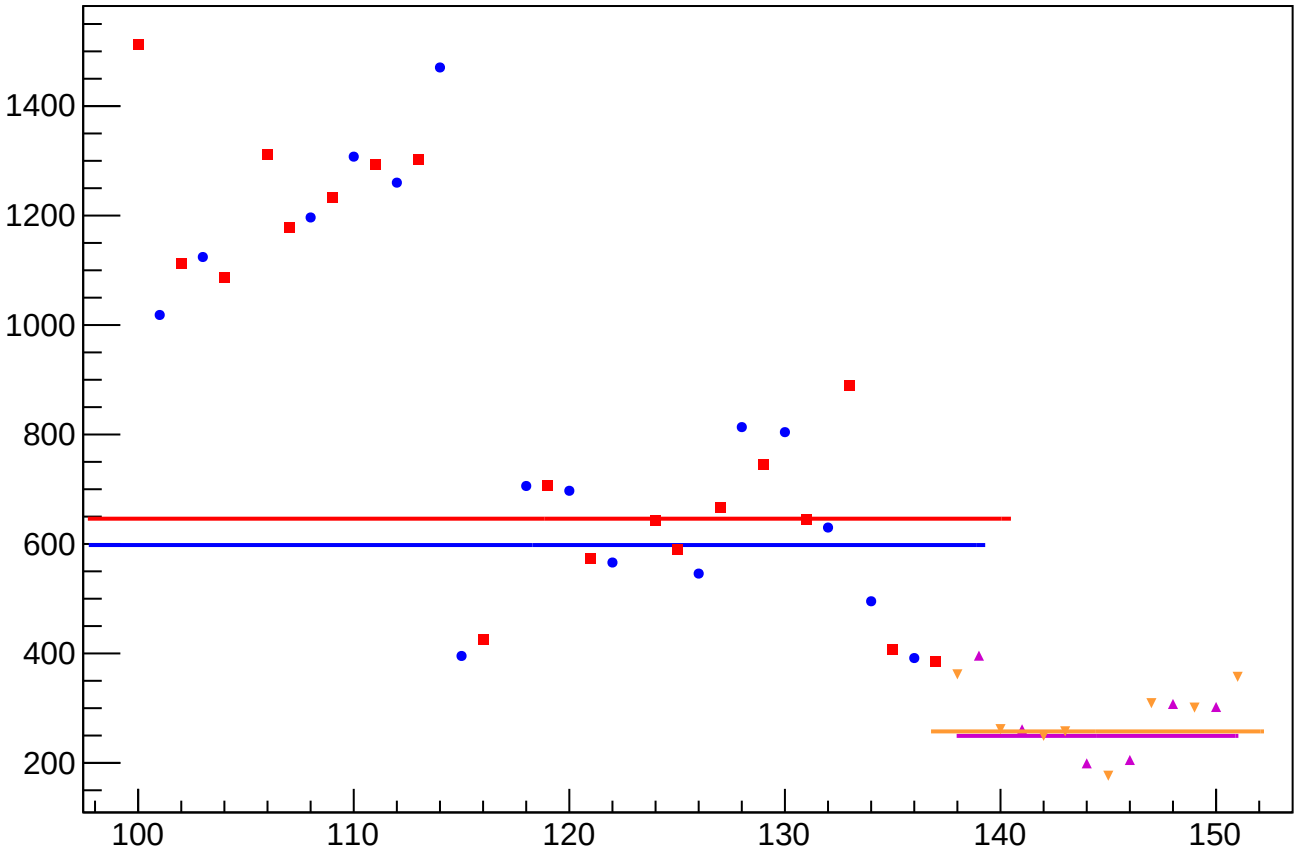
Right Out: -336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: -144.366+/-112.665 χ^2/NDF:3.5/5

\+ sign -395.094+/-97.687 χ^2/NDF: 34.6/23

All: -291.255+/-70.931 χ^2/NDF: 52.9/48

\- sign -175.454+/-103.161 χ^2/NDF: 15.9/24



Right In: 598.044+/-0.171 χ^2/NDF: 2047806.5/15

Left Out: 257.539+/-0.076 χ^2/NDF:679043.3/7

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

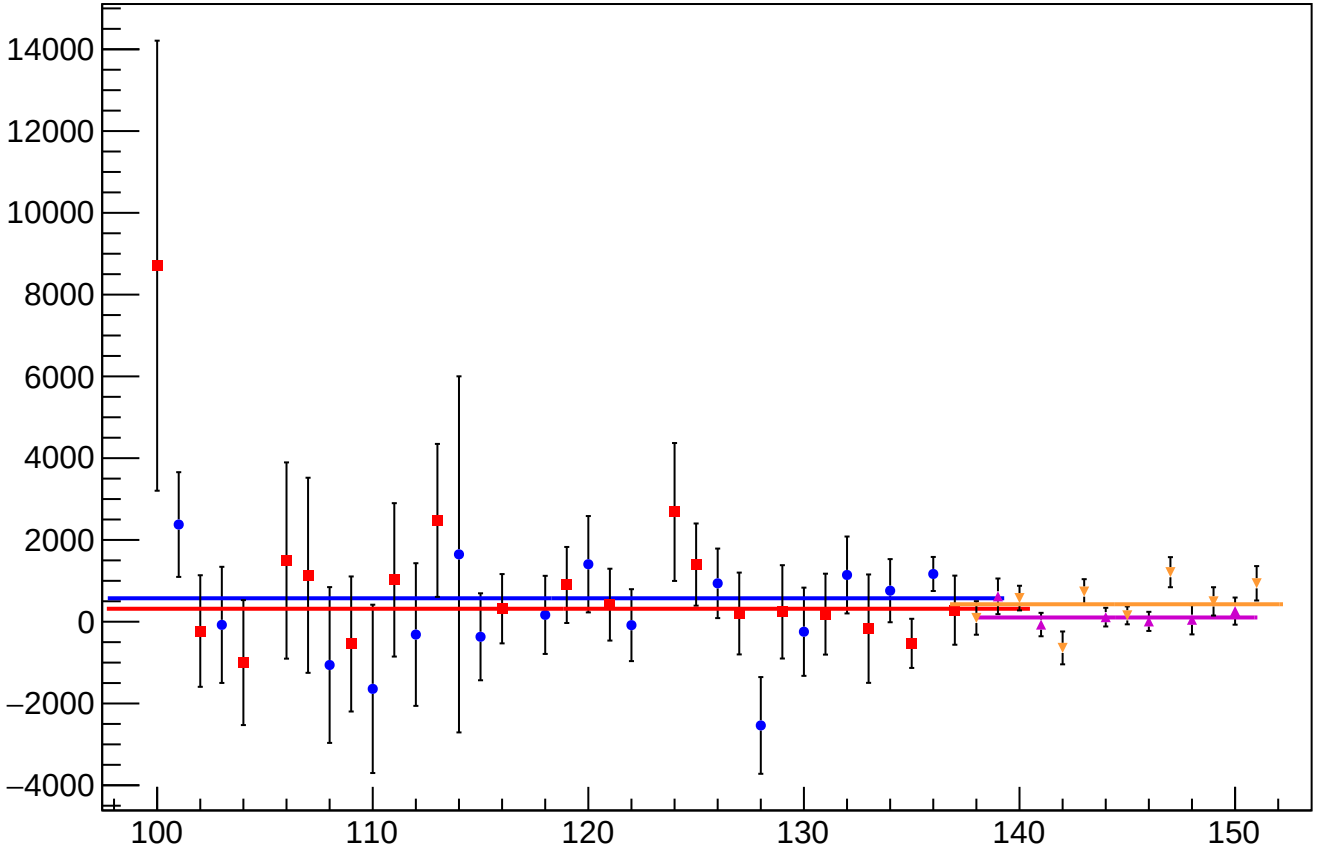
Left In: 249.369+/-0.080 χ^2/NDF:537664.2/5

+ sign 313.337+/-0.069 χ^2/NDF: 6056337.5/23

All: 313.413+/-0.050 χ^2/NDF: 12808974.3/48

- sign 313.497+/-0.073 χ^2/NDF: 6752634.3/24

asym_sam_1526_avg_mean vs Slug



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 427.076+/-114.563 χ^2/NDF:16.6/7

Right Out: 316.830+/-258.239 χ^2/NDF: 11.0/18

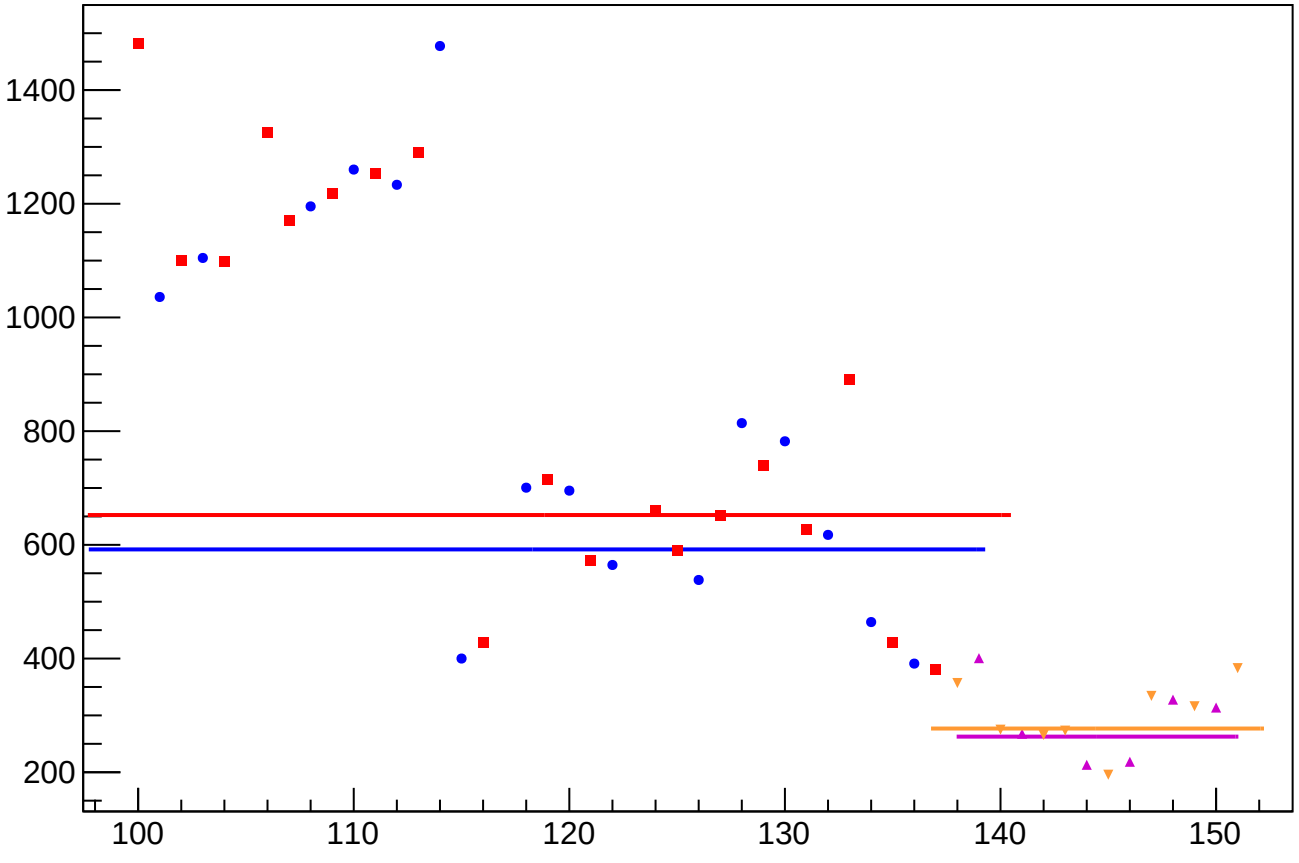
Left In: 103.662+/-118.025 χ^2/NDF:2.2/5

+ sign 454.425+/-103.302 χ^2/NDF: 33.5/23

All: 303.483+/-74.434 χ^2/NDF: 51.7/48

- sign 140.495+/-107.345 χ^2/NDF: 13.8/24

asym_sam_1526_avg_rms vs Slug



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 276.901+/-0.081 χ^2/NDF:555126.8/7

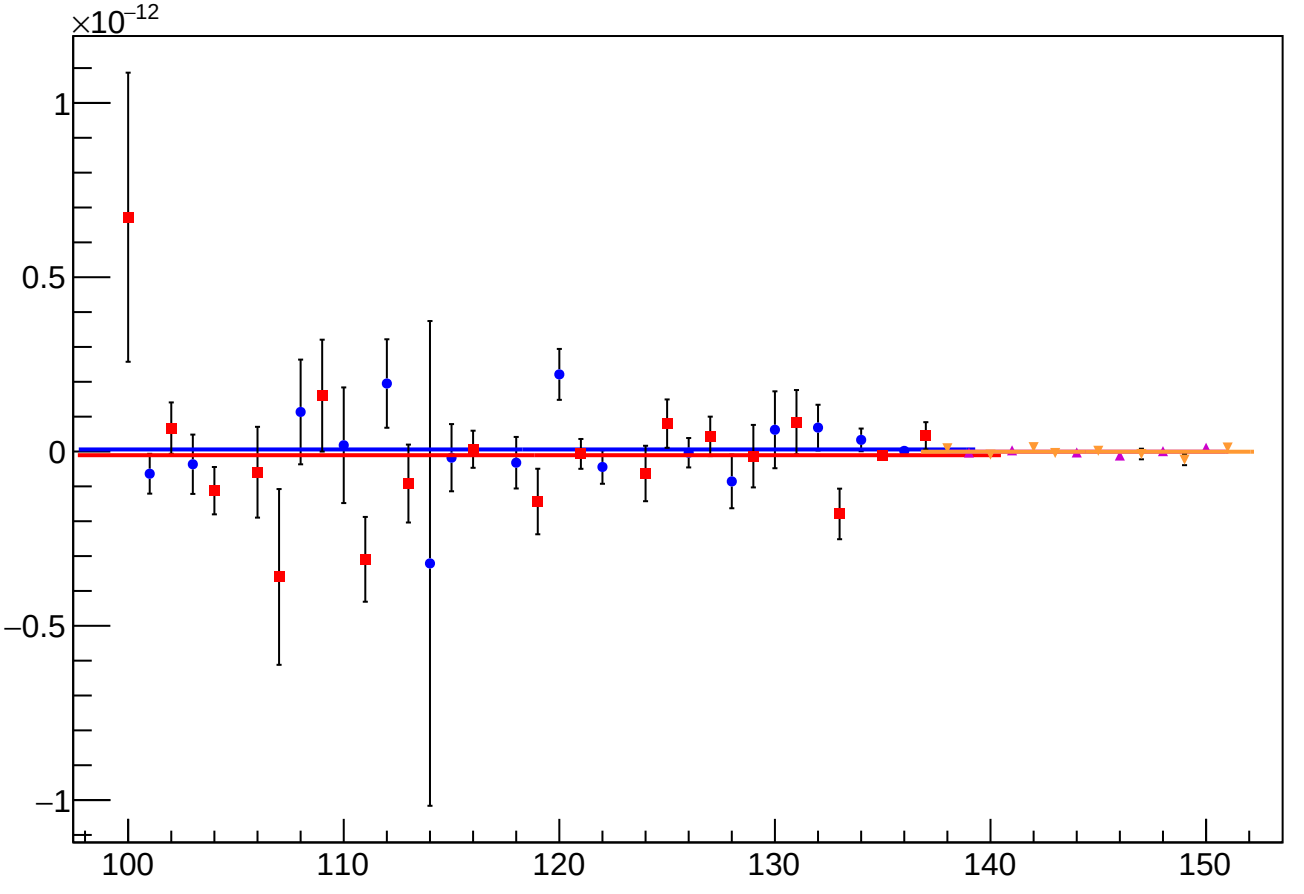
Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 262.669+/-0.083 χ^2/NDF:479857.9/5

+ sign 335.801+/-0.073 χ^2/NDF: 5418742.3/23

All: 333.022+/-0.053 χ^2/NDF: 11760931.7/48

- sign 330.021+/-0.076 χ^2/NDF: 6339179.0/24



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.3/7

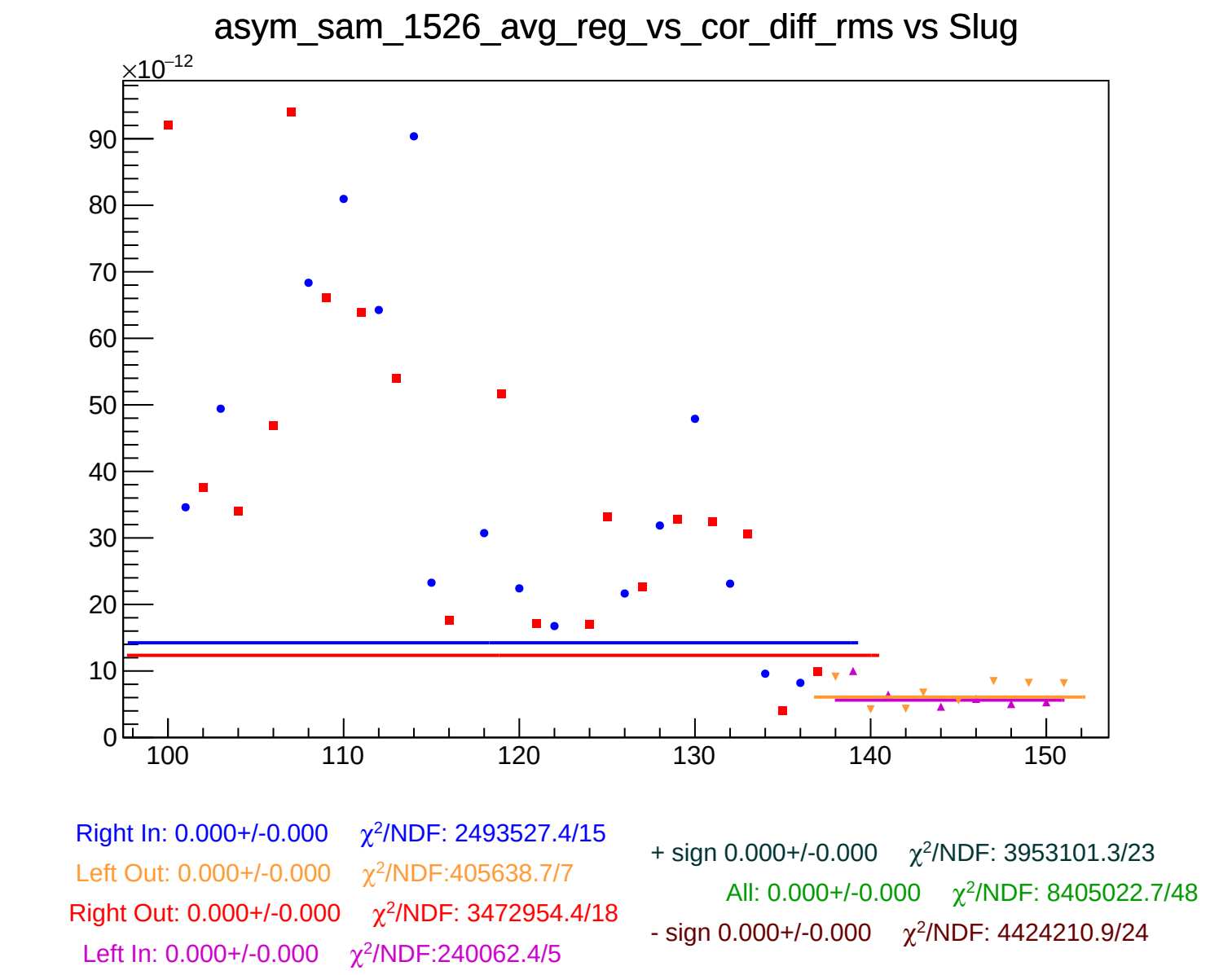
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/18

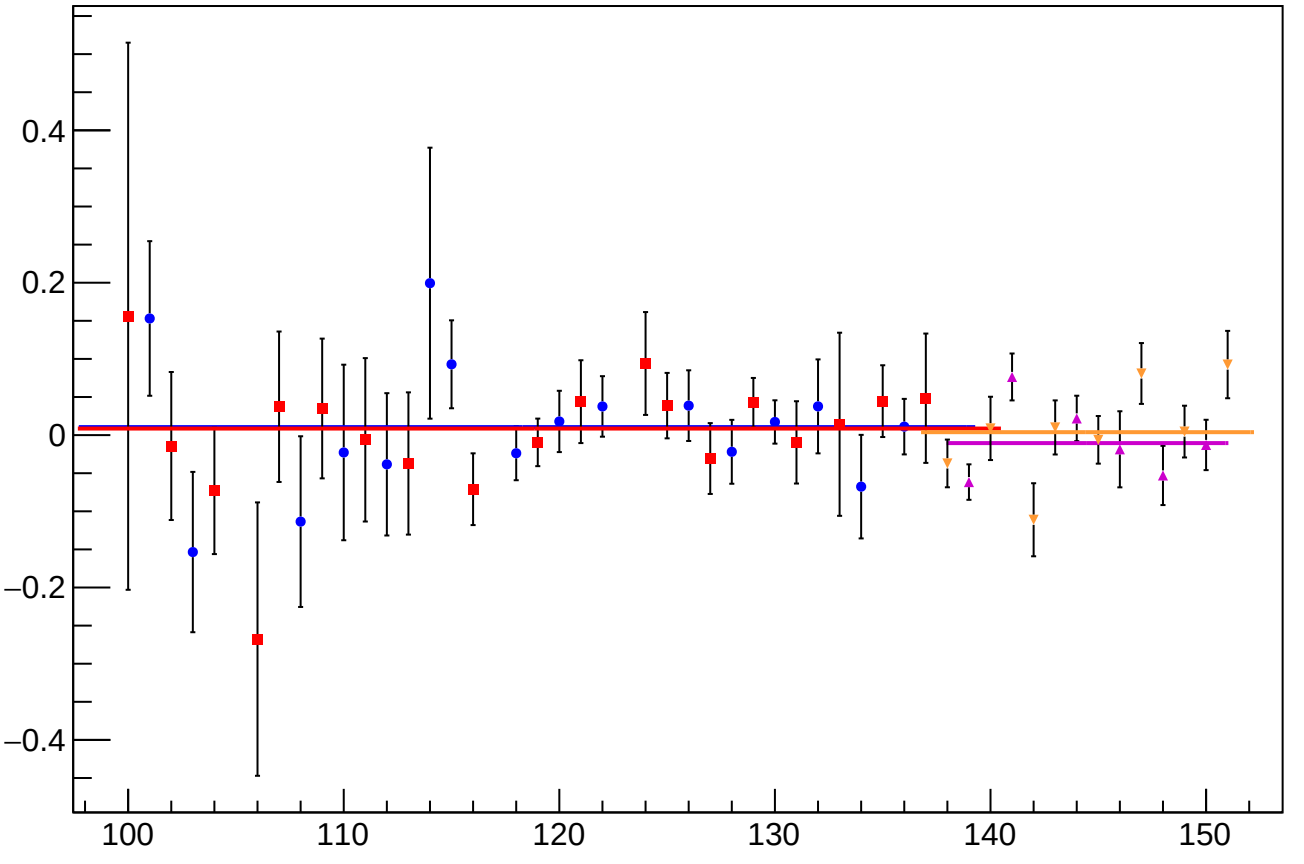
Left In: -0.000+/-0.000 χ^2/NDF:2.9/5

+ sign 0.000+/-0.000 χ^2/NDF: 24.9/23

All: -0.000+/-0.000 χ^2/NDF: 58.2/48

- sign -0.000+/-0.000 χ^2/NDF: 33.1/24


asym_sam_1526_avg_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
Right In: 0.000+/-0.000 χ²/NDF: 2493527.4/15
Left Out: 0.000+/-0.000 χ²/NDF:405638.7/7
Right Out: 0.000+/-0.000 χ²/NDF: 3472954.4/18
Left In: 0.000+/-0.000 χ²/NDF:240062.4/5
+ sign 0.000+/-0.000 χ²/NDF: 3953101.3/23
All: 0.000+/-0.000 χ²/NDF: 8405022.7/48
- sign 0.000+/-0.000 χ²/NDF: 4424210.9/24



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.004+/-0.013 χ^2/NDF:15.4/7

Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

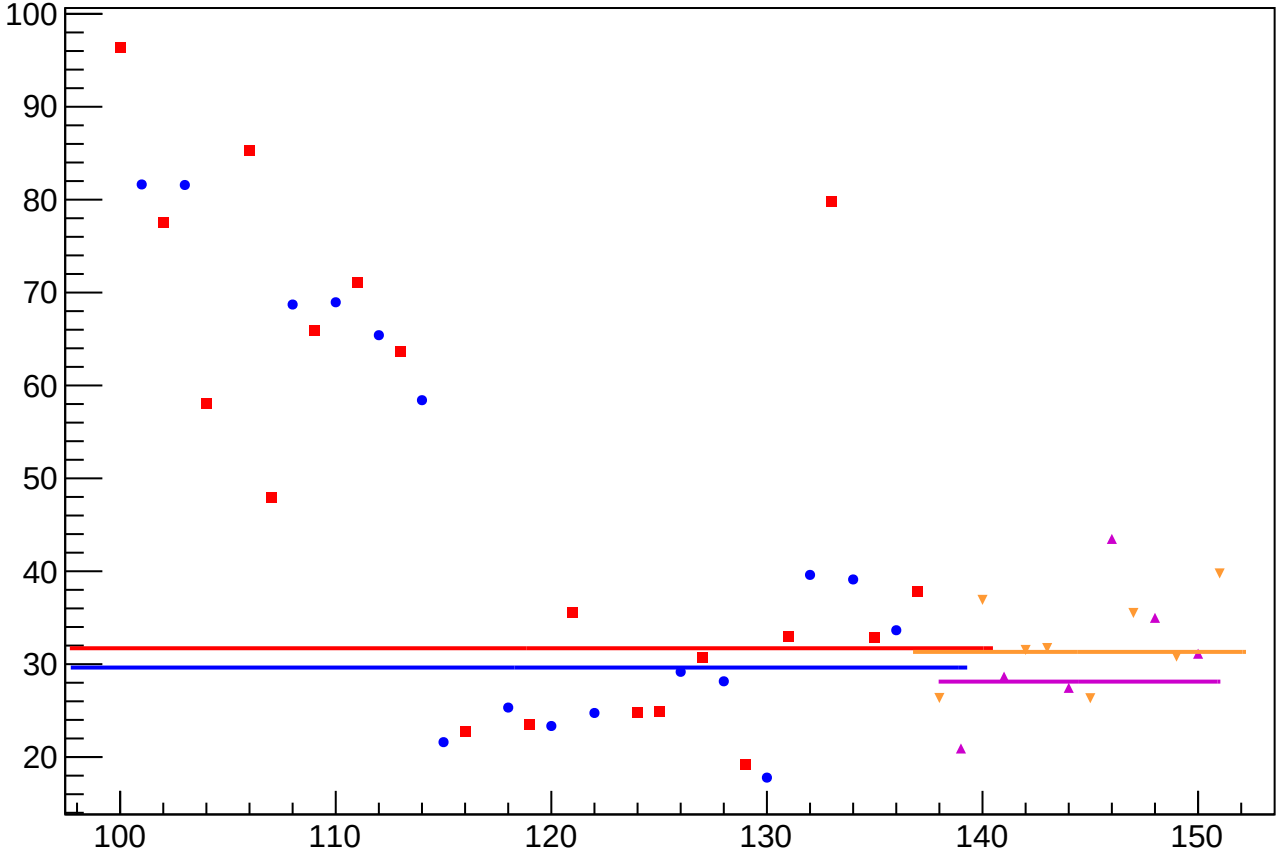
Left In: -0.010+/-0.013 χ^2/NDF:15.2/5

+ sign 0.007+/-0.009 χ^2/NDF: 28.6/23

All: 0.003+/-0.006 χ^2/NDF: 57.8/48

- sign -0.001+/-0.009 χ^2/NDF: 28.7/24

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: 31.320+/-0.009 χ^2/NDF:233322.9/7

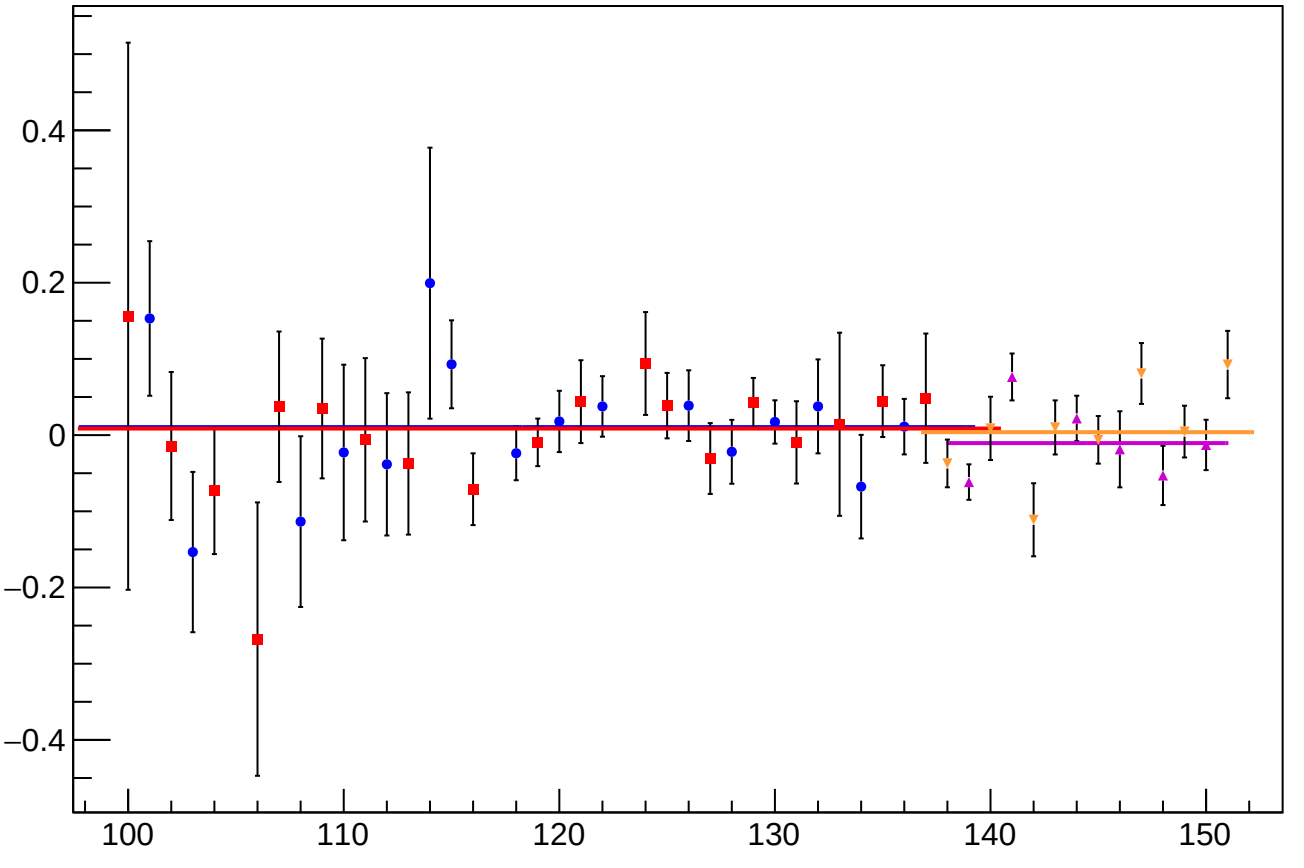
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.121+/-0.009 χ^2/NDF:461064.0/5

+ sign 30.444+/-0.006 χ^2/NDF: 2699098.5/23

All: 30.163+/-0.005 χ^2/NDF: 5891019.4/48

- sign 29.870+/-0.007 χ^2/NDF: 3187988.3/24



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.004+/-0.013 χ^2/NDF:15.4/7

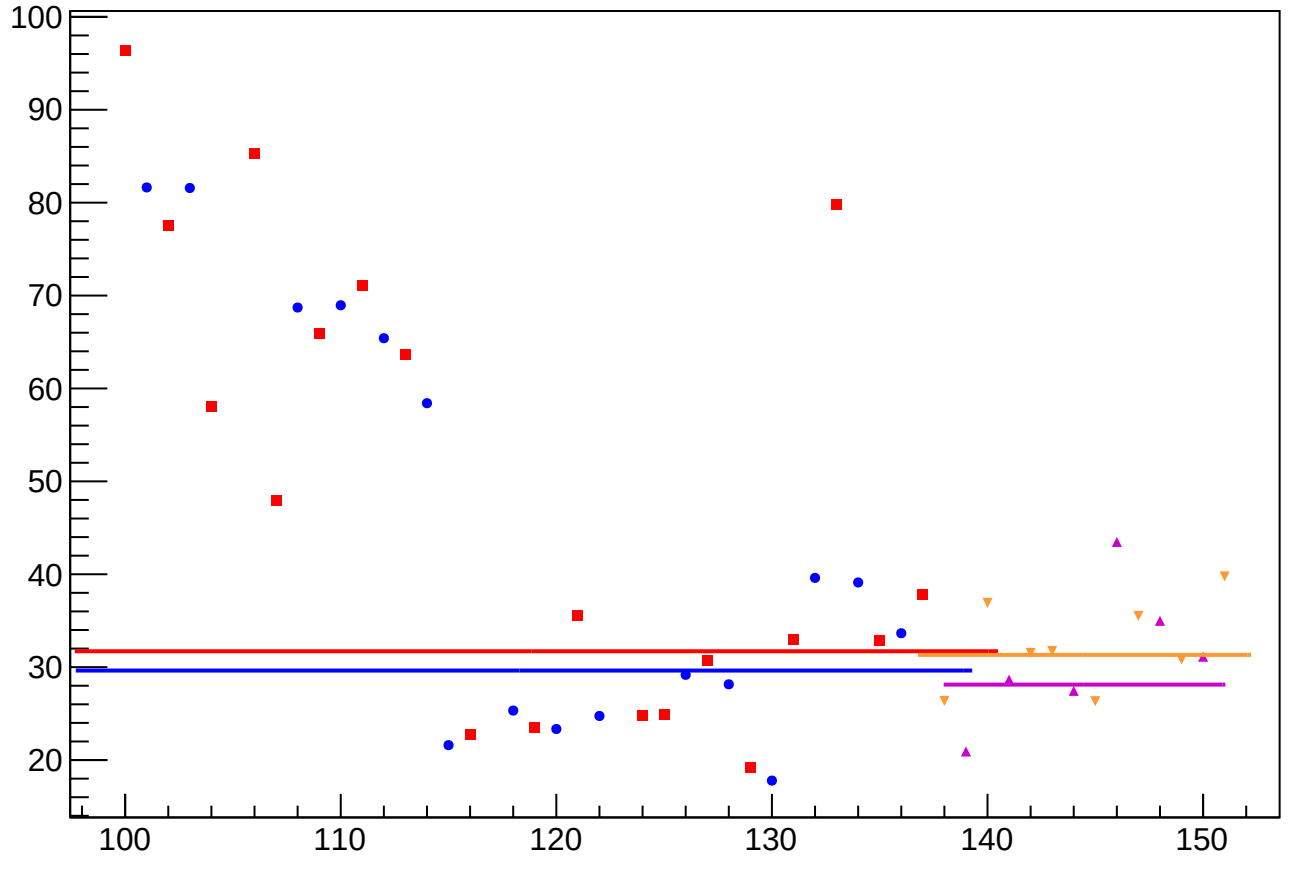
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.010+/-0.013 χ^2/NDF:15.2/5

+ sign 0.007+/-0.009 χ^2/NDF: 28.6/23

All: 0.003+/-0.006 χ^2/NDF: 57.8/48

- sign -0.001+/-0.009 χ^2/NDF: 28.7/24



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 31.320+/-0.009 χ^2/NDF:233322.9/7

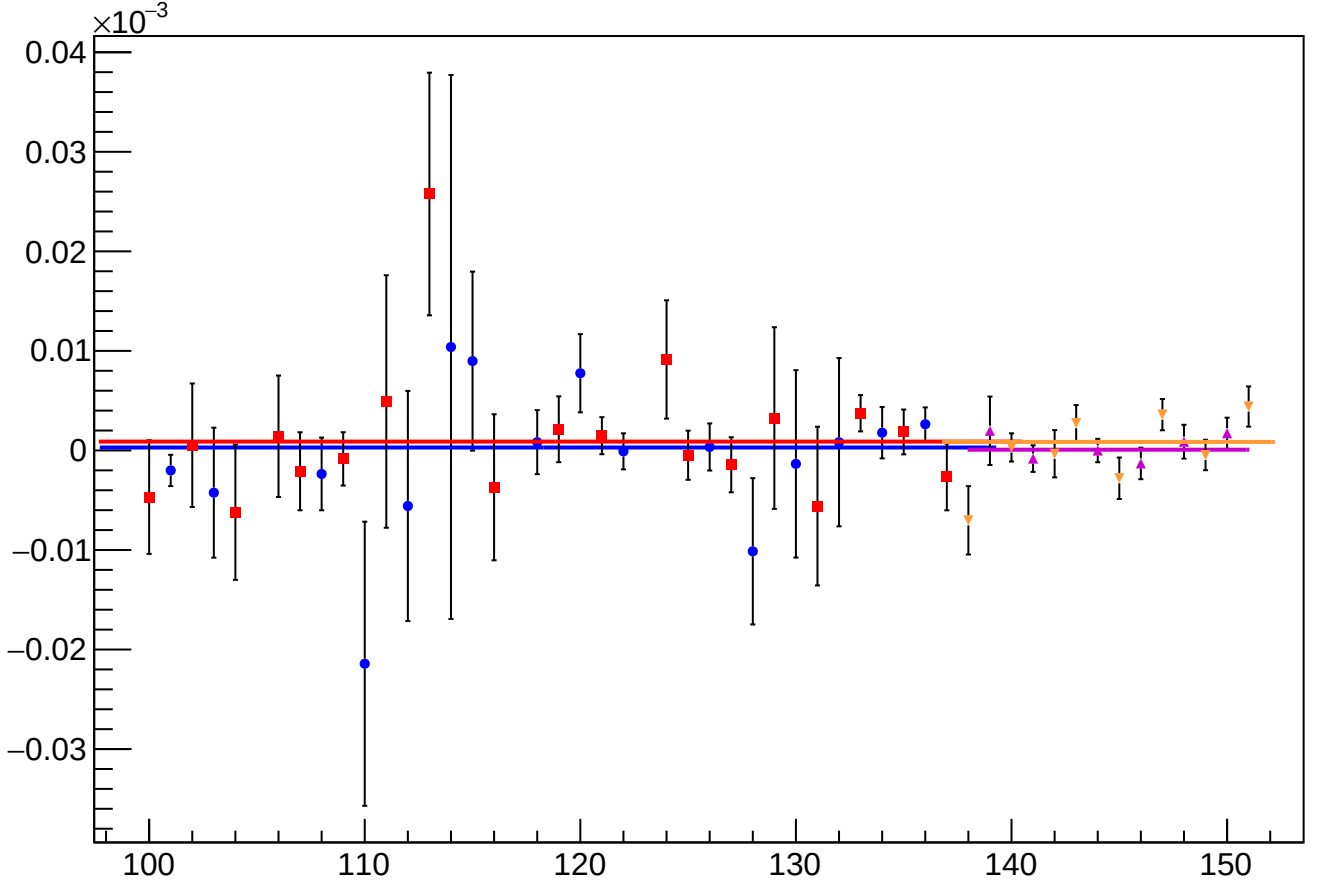
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.121+/-0.009 χ^2/NDF:461064.0/5

+ sign 30.444+/-0.006 χ^2/NDF: 2699098.5/23

All: 30.163+/-0.005 χ^2/NDF: 5891019.4/48

- sign 29.870+/-0.007 χ^2/NDF: 3187988.3/24



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.7/7

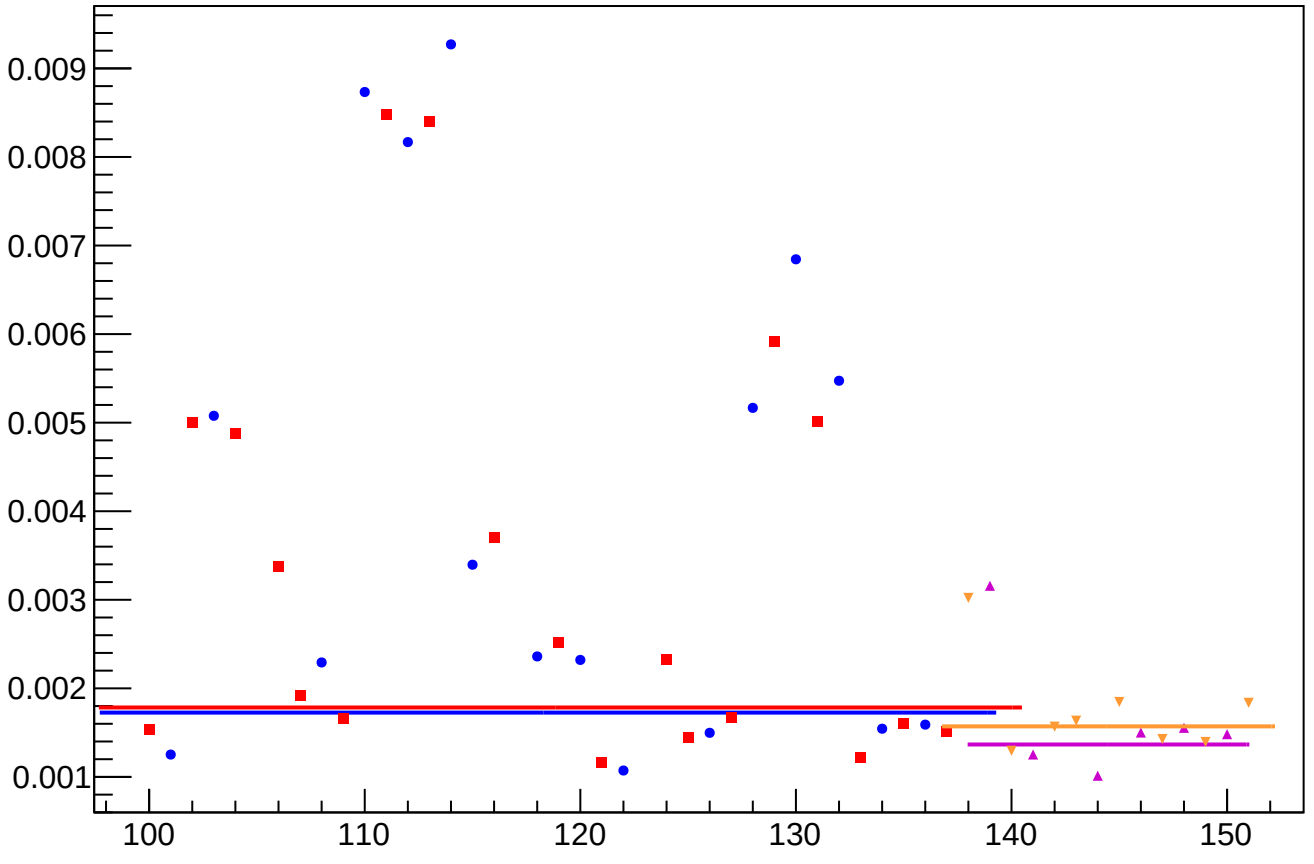
Right Out: 0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: 0.000+/-0.000 χ^2/NDF:2.9/5

+ sign 0.000+/-0.000 χ^2/NDF: 31.8/23

All: 0.000+/-0.000 χ^2/NDF: 50.8/48

- sign 0.000+/-0.000 χ^2/NDF: 18.9/24



Right In: 0.002+/-0.000 χ^2/NDF: 3932244.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:547381.0/7

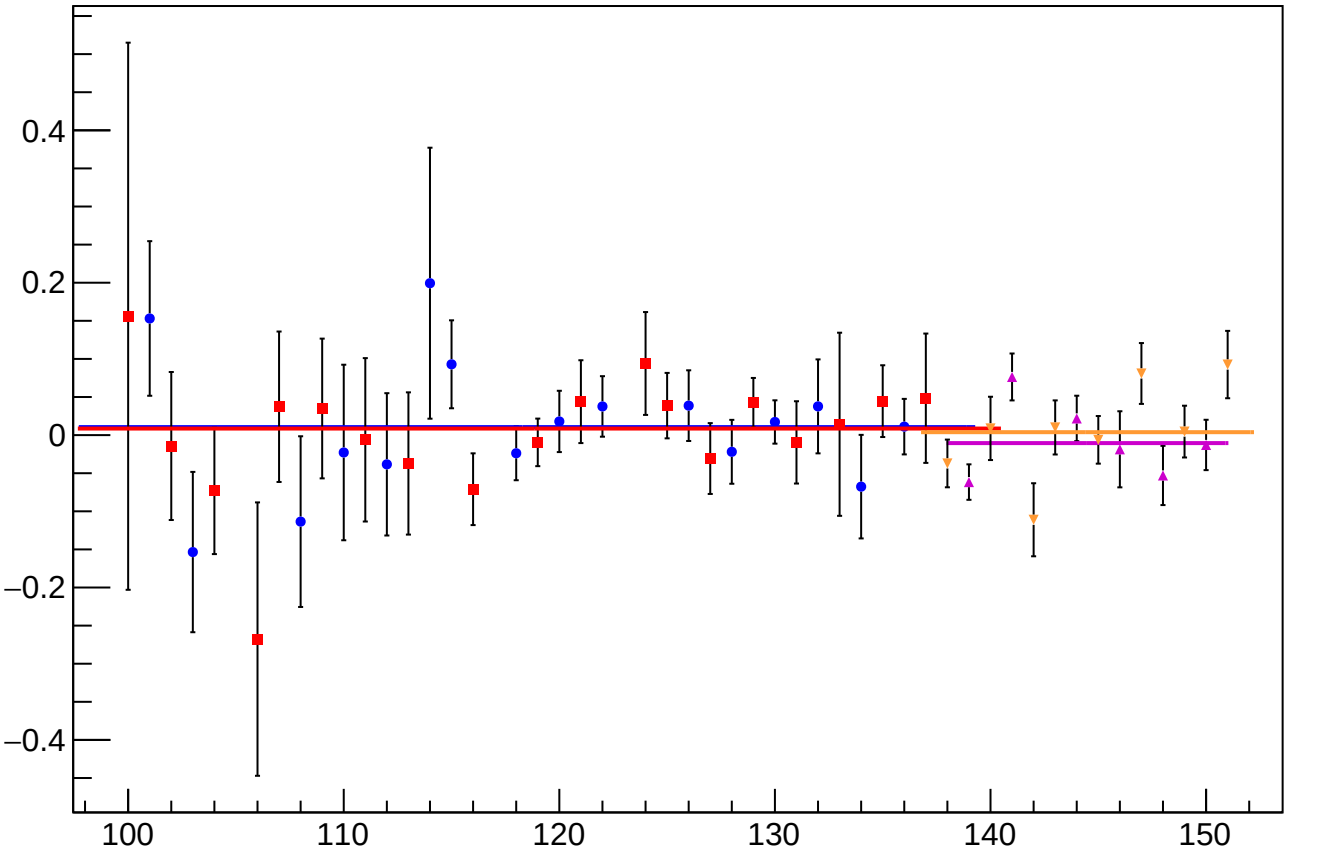
Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.001+/-0.000 χ^2/NDF:787671.3/5

+ sign 0.002+/-0.000 χ^2/NDF: 4527939.6/23

All: 0.002+/-0.000 χ^2/NDF: 9428560.2/48

- sign 0.002+/-0.000 χ^2/NDF: 4855806.5/24



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.004+/-0.013 χ^2/NDF:15.4/7

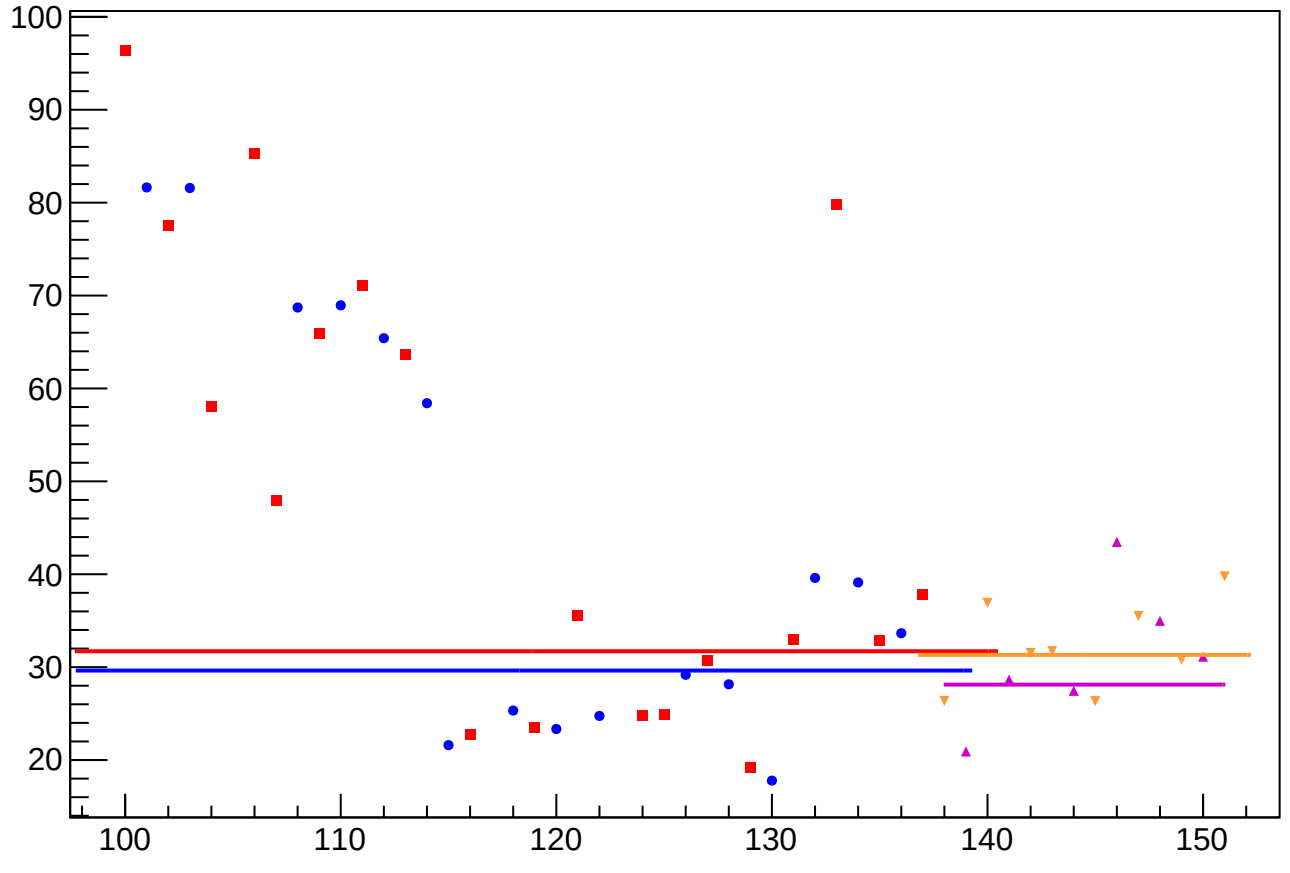
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.010+/-0.013 χ^2/NDF:15.2/5

+ sign 0.007+/-0.009 χ^2/NDF: 28.6/23

All: 0.003+/-0.006 χ^2/NDF: 57.8/48

- sign -0.001+/-0.009 χ^2/NDF: 28.7/24



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 31.321+/-0.009 χ^2/NDF:233323.9/7

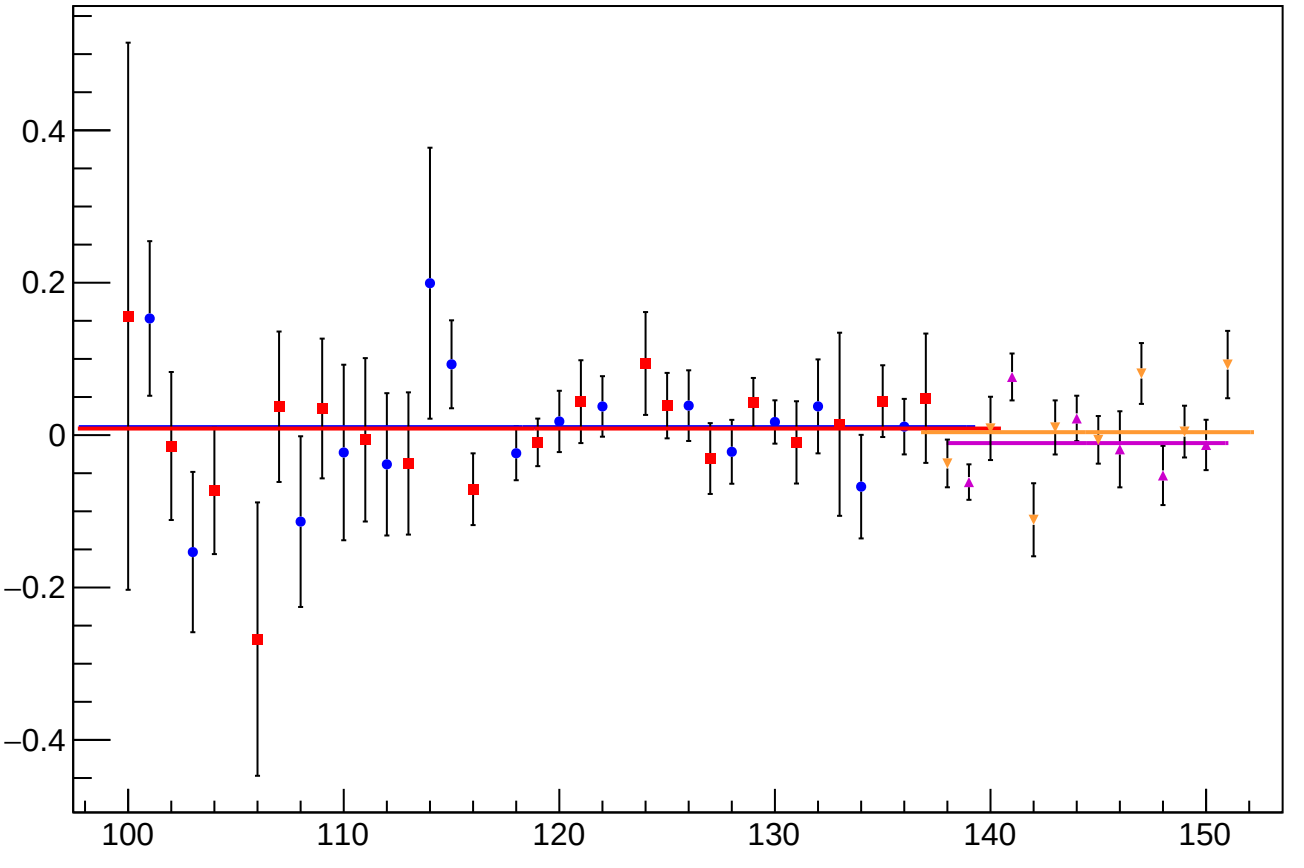
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.121+/-0.009 χ^2/NDF:461057.1/5

+ sign 30.444+/-0.006 χ^2/NDF: 2699338.3/23

All: 30.163+/-0.005 χ^2/NDF: 5891346.9/48

- sign 29.870+/-0.007 χ^2/NDF: 3188078.1/24



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.004+/-0.013 χ^2/NDF:15.4/7

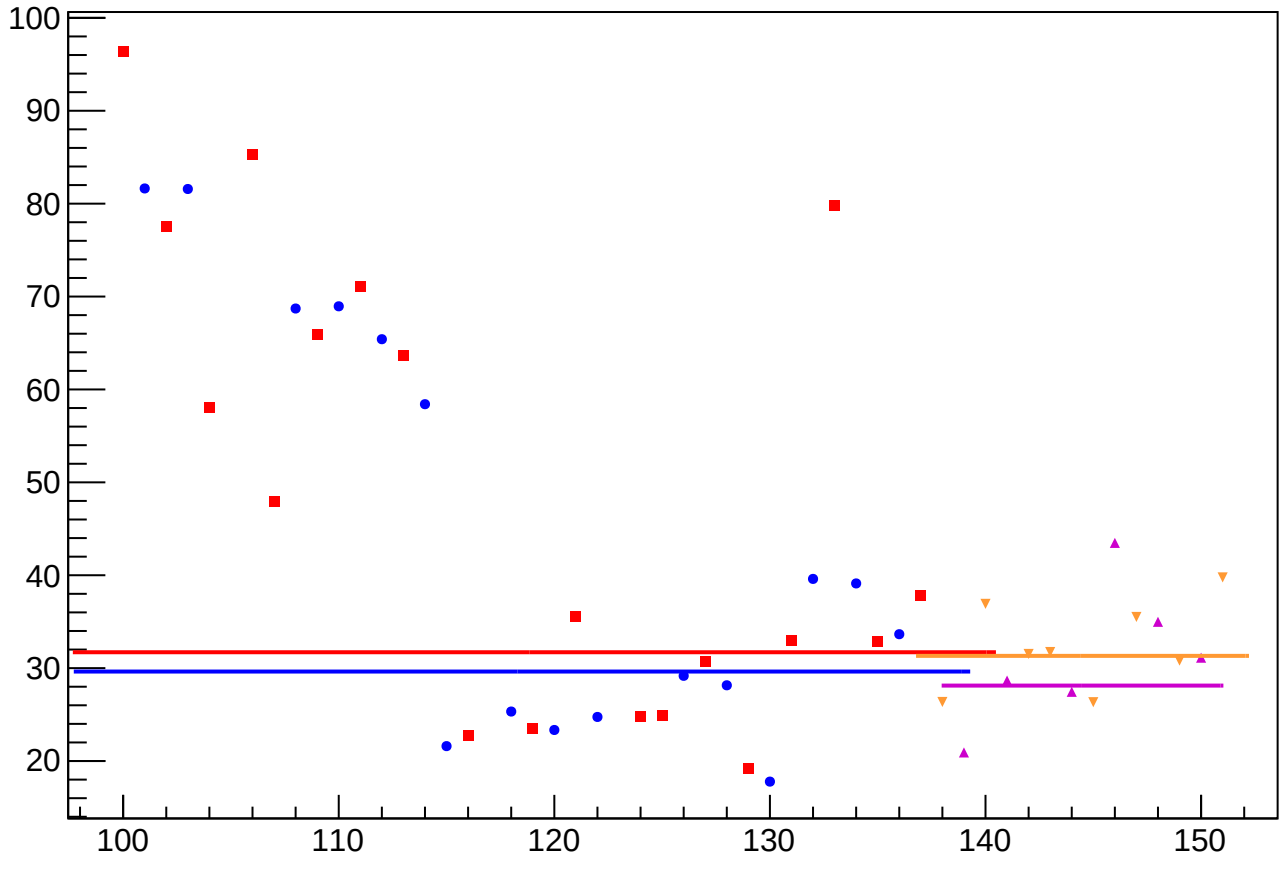
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.010+/-0.013 χ^2/NDF:15.2/5

+ sign 0.007+/-0.009 χ^2/NDF: 28.6/23

All: 0.003+/-0.006 χ^2/NDF: 57.8/48

- sign -0.001+/-0.009 χ^2/NDF: 28.7/24



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 31.321+/-0.009 χ^2/NDF:233323.9/7

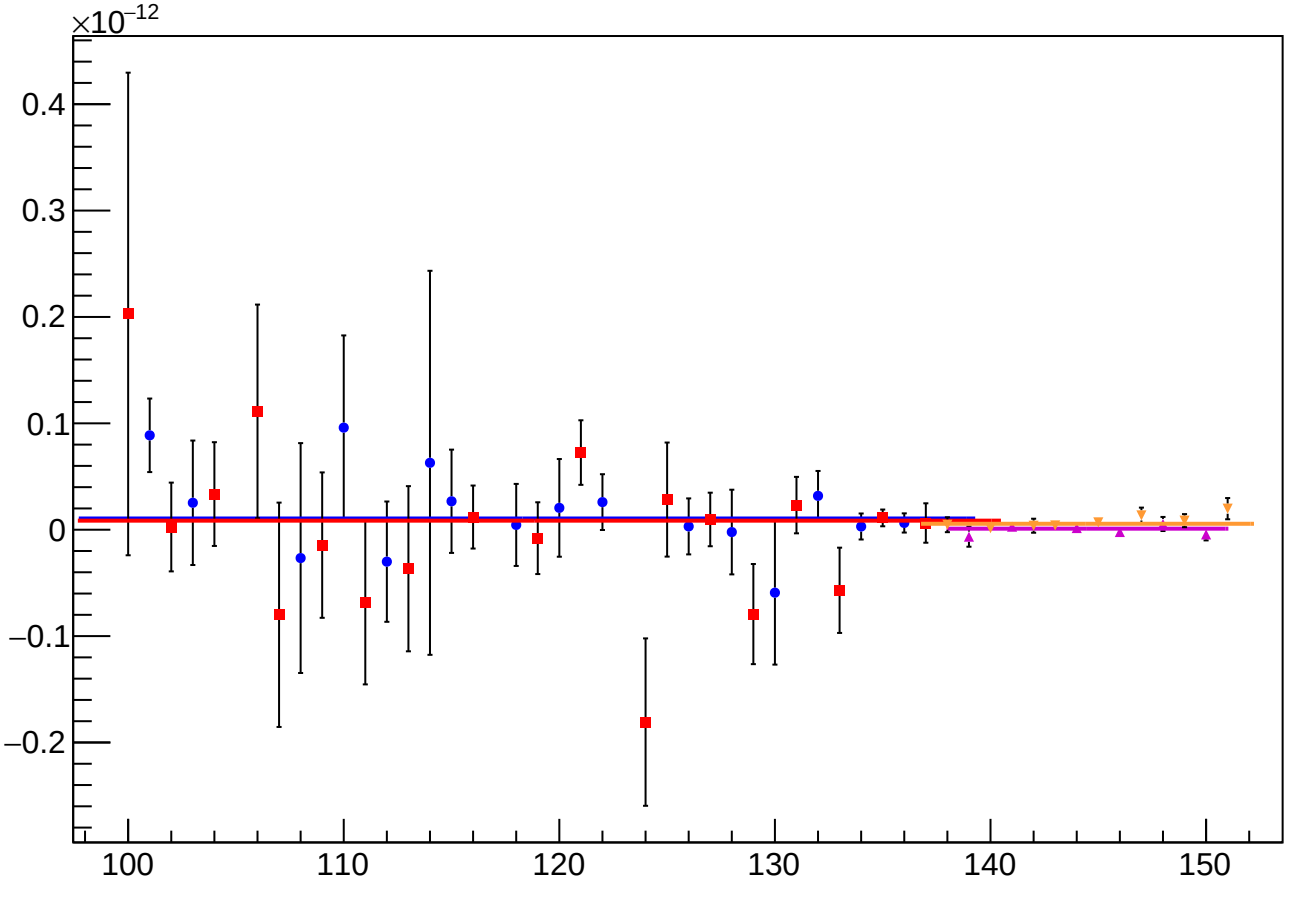
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.121+/-0.009 χ^2/NDF:461057.1/5

+ sign 30.444+/-0.006 χ^2/NDF: 2699338.3/23

All: 30.163+/-0.005 χ^2/NDF: 5891346.9/48

- sign 29.870+/-0.007 χ^2/NDF: 3188078.1/24



Right In: 0.000+/-0.000 χ^2/NDF: 10.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.0/7

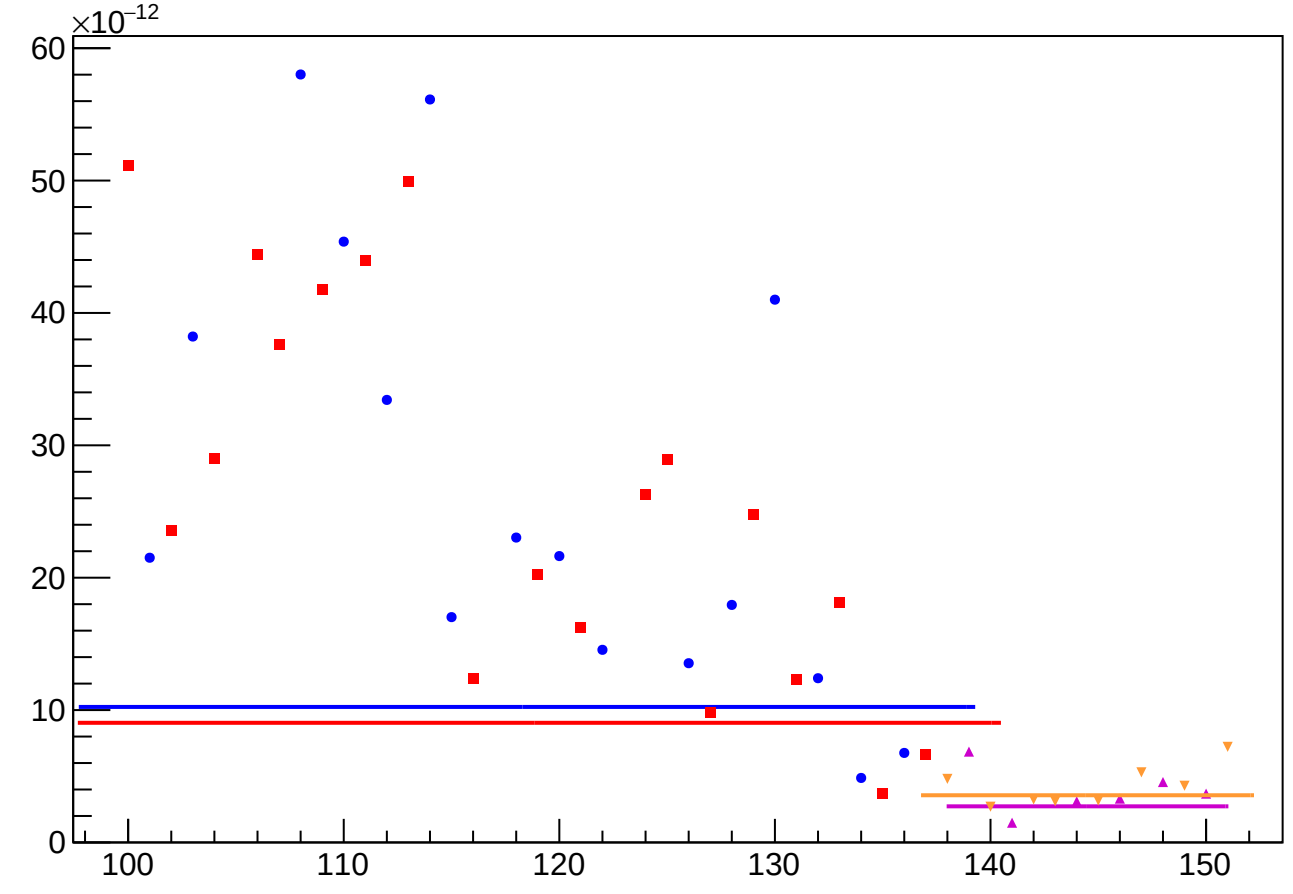
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:3.0/5

+ sign 0.000+/-0.000 χ^2/NDF: 15.6/23

All: 0.000+/-0.000 χ^2/NDF: 44.7/48

- sign 0.000+/-0.000 χ^2/NDF: 25.9/24



Right In: 0.000+/-0.000 χ^2/NDF: 3511693.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:618967.1/7

Right Out: 0.000+/-0.000 χ^2/NDF: 4514368.5/18

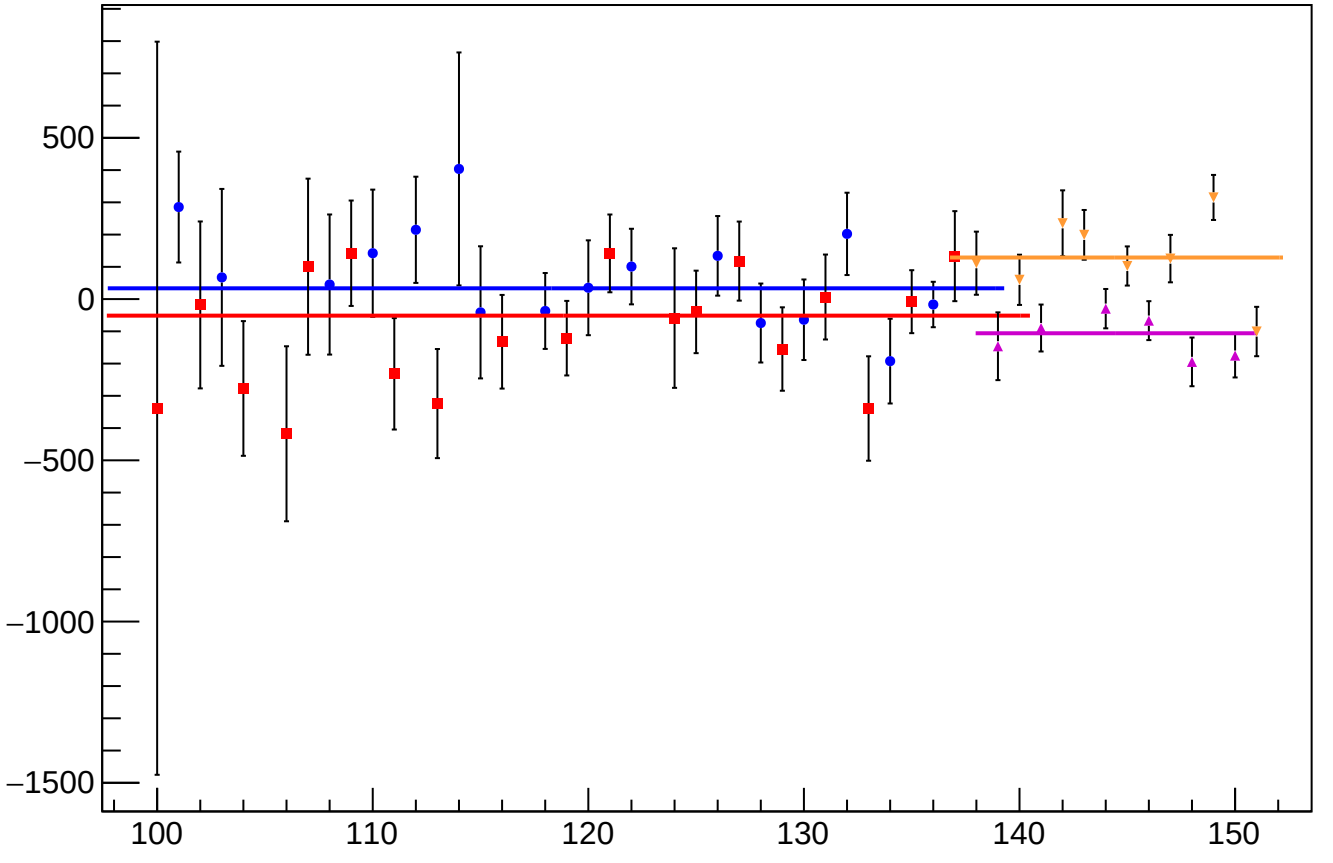
Left In: 0.000+/-0.000 χ^2/NDF:1064766.5/5

+ sign 0.000+/-0.000 χ^2/NDF: 6378184.2/23

All: 0.000+/-0.000 χ^2/NDF: 14313507.1/48

- sign 0.000+/-0.000 χ^2/NDF: 7659994.4/24

reg_asym_sam_3726_avg_mean vs Slug



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 128.912+/-27.068 χ^2/NDF:19.0/7

Right Out: -51.335+/-34.851 χ^2/NDF: 19.6/18

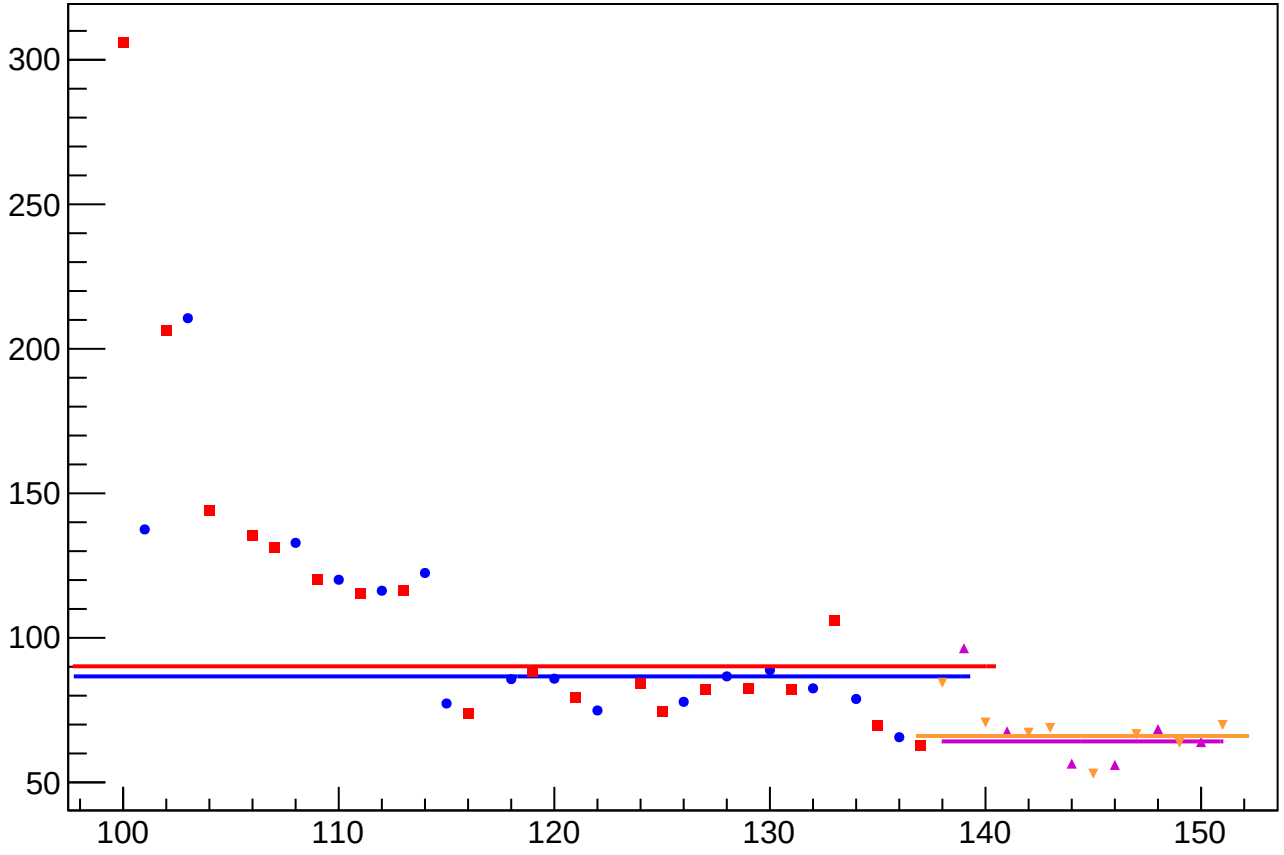
Left In: -105.969+/-28.680 χ^2/NDF:4.6/5

+ sign 91.712+/-21.148 χ^2/NDF: 36.7/23

All: 7.947+/-15.294 χ^2/NDF: 95.2/48

- sign -83.909+/-22.146 χ^2/NDF: 25.6/24

reg_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 66.045+/-0.019 χ^2/NDF:180177.6/7

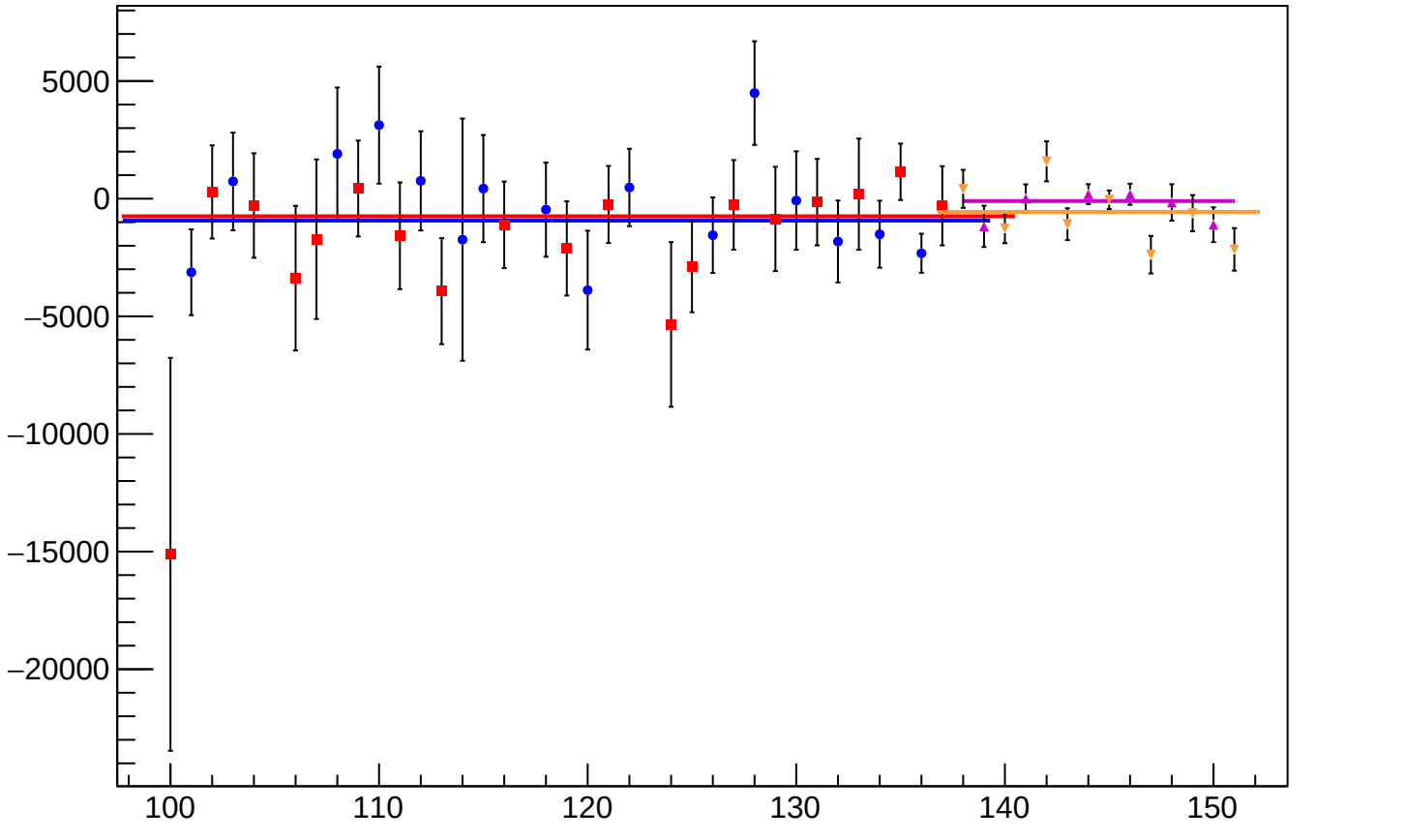
Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 64.169+/-0.020 χ^2/NDF:267211.3/5

+ sign 74.079+/-0.015 χ^2/NDF: 1671237.5/23

All: 74.357+/-0.011 χ^2/NDF: 3751992.9/48

- sign 74.661+/-0.016 χ^2/NDF: 2080033.1/24



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -562.547+/-232.320 χ^2/NDF:19.7/7

Right Out: -747.199+/-467.902 χ^2/NDF: 13.0/18

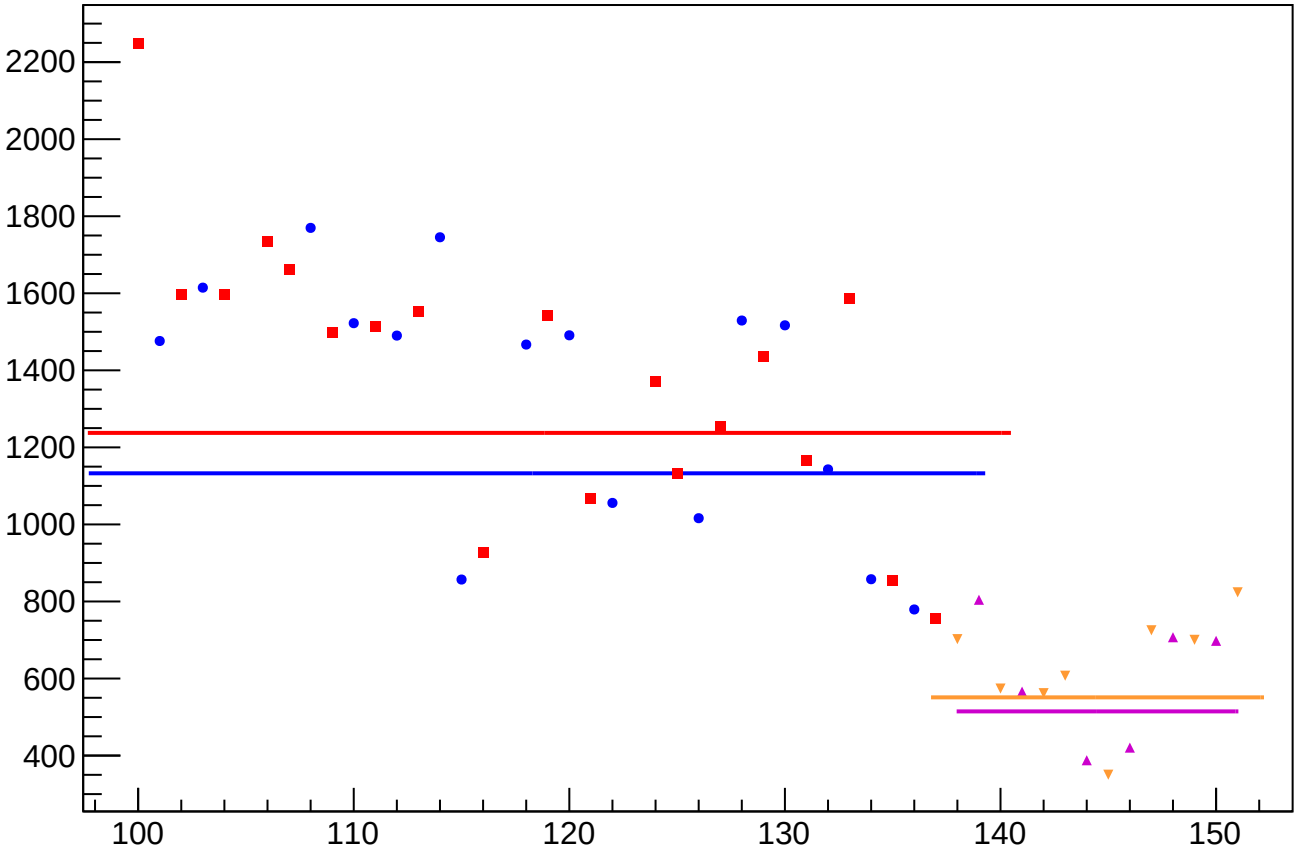
Left In: -100.380+/-235.079 χ^2/NDF:4.3/5

+ sign -642.362+/-205.532 χ^2/NDF: 38.8/23

All: -441.034+/-146.907 χ^2/NDF: 59.6/48

- sign -230.742+/-210.058 χ^2/NDF: 18.8/24

asym_sam_3726_avg_reg_correction_rms vs Slug



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 551.096+/-0.164 χ^2/NDF:956587.6/7

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

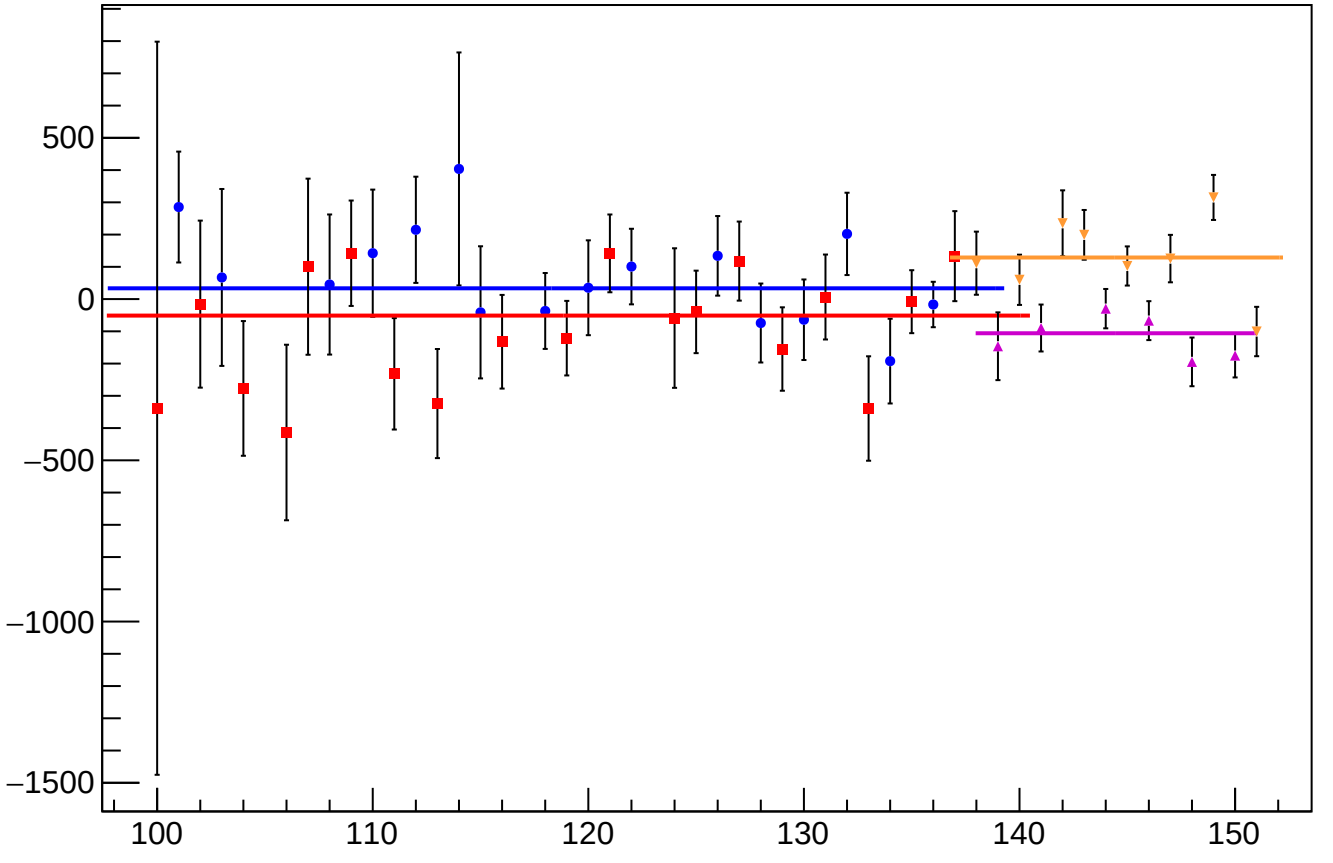
Left In: 514.678+/-0.166 χ^2/NDF:748030.6/5

+ sign 677.486+/-0.145 χ^2/NDF: 4804603.2/23

All: 669.118+/-0.104 χ^2/NDF: 10266639.6/48

- sign 660.376+/-0.149 χ^2/NDF: 5455257.1/24

cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 128.917+/-27.068 χ^2/NDF:19.0/7

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

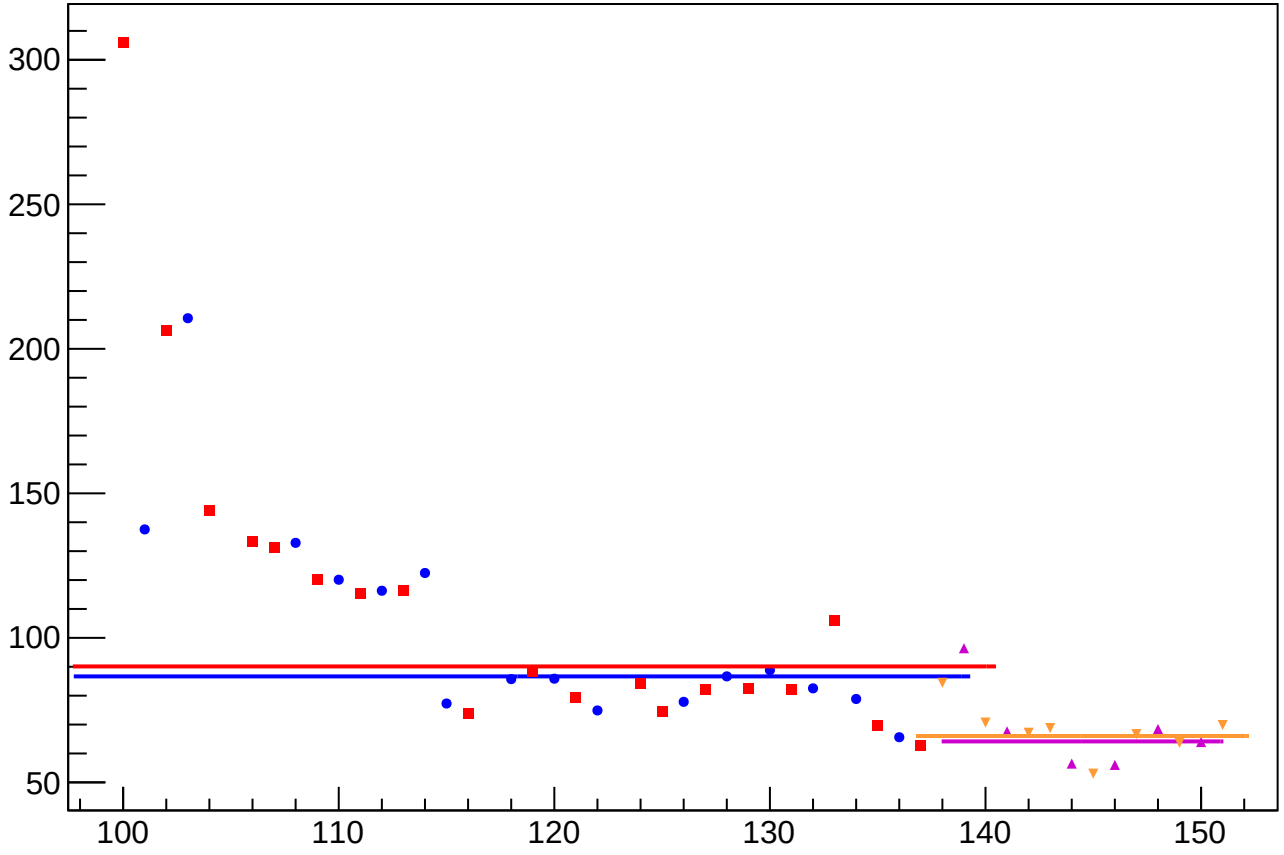
Left In: -105.967+/-28.680 χ^2/NDF:4.6/5

+ sign 91.712+/-21.148 χ^2/NDF: 36.7/23

All: 7.977+/-15.295 χ^2/NDF: 95.1/48

- sign -83.850+/-22.146 χ^2/NDF: 25.6/24

cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 66.045+/-0.019 χ^2/NDF:180177.7/7

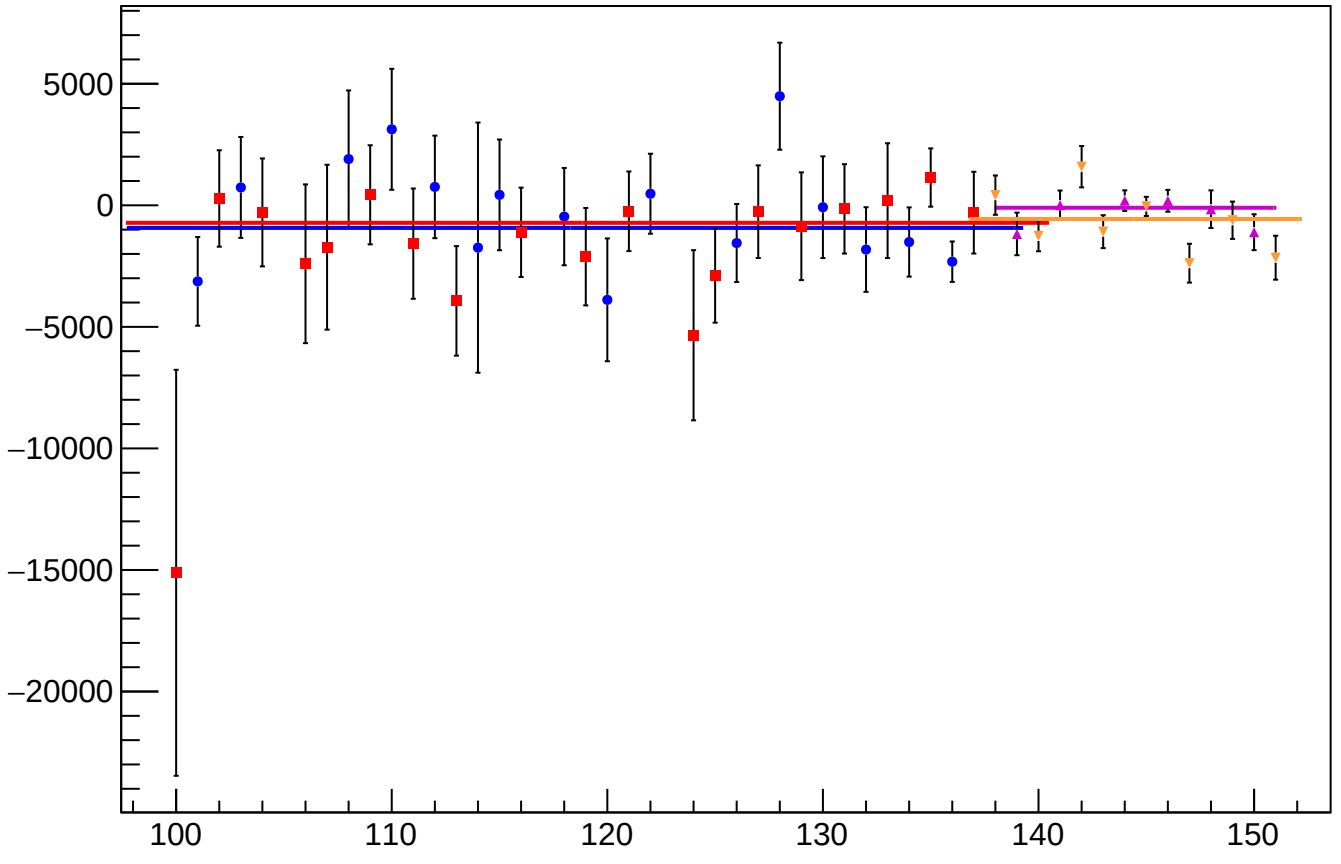
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 64.169+/-0.020 χ^2/NDF:267211.3/5

+ sign 74.079+/-0.015 χ^2/NDF: 1671240.1/23

All: 74.349+/-0.011 χ^2/NDF: 3745324.5/48

- sign 74.645+/-0.016 χ^2/NDF: 2073400.7/24



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -562.541+/-232.320 χ^2/NDF:19.7/7

Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

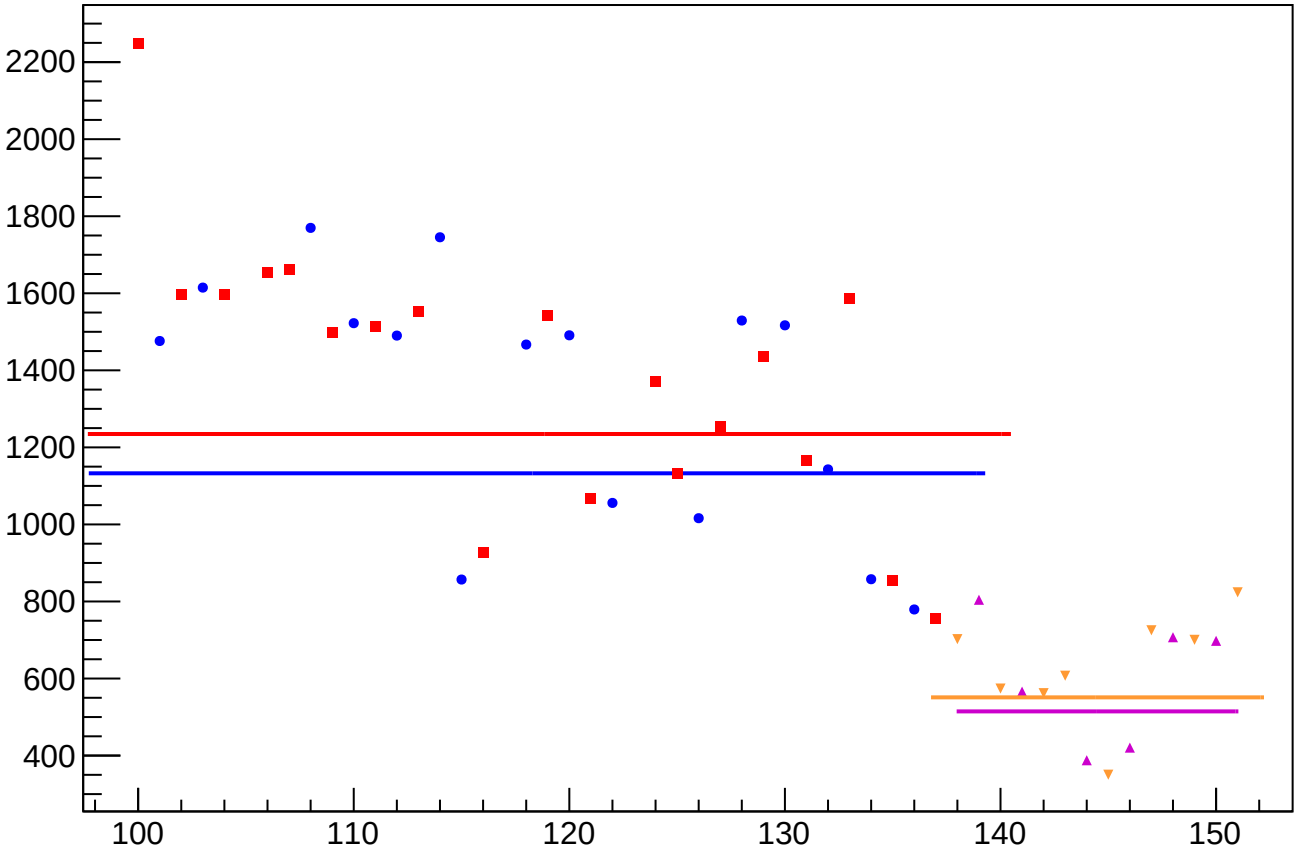
Left In: -100.383+/-235.079 χ^2/NDF:4.3/5

+ sign -642.349+/-205.532 χ^2/NDF: 38.8/23

All: -438.331+/-146.927 χ^2/NDF: 59.0/48

- sign -225.112+/-210.116 χ^2/NDF: 18.2/24

asym_sam_3726_avg_cor_correction_rms vs Slug



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 551.096+/-0.164 χ^2/NDF:956589.3/7

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

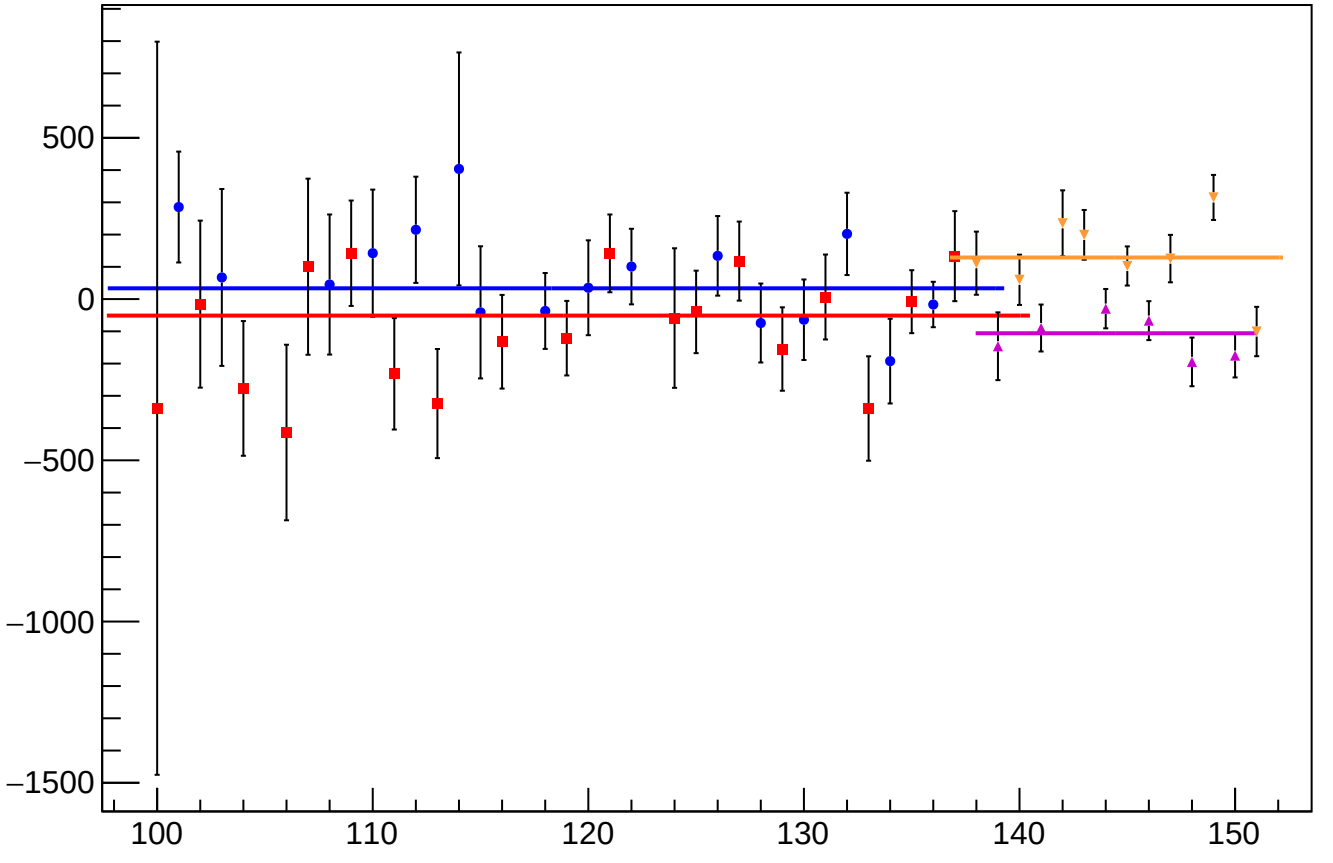
Left In: 514.678+/-0.166 χ^2/NDF:748032.0/5

+ sign 677.486+/-0.145 χ^2/NDF: 4804645.7/23

All: 668.681+/-0.104 χ^2/NDF: 10209814.8/48

- sign 659.480+/-0.149 χ^2/NDF: 5397663.8/24

eigen_cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 128.917+/-27.068 χ^2/NDF:19.0/7

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

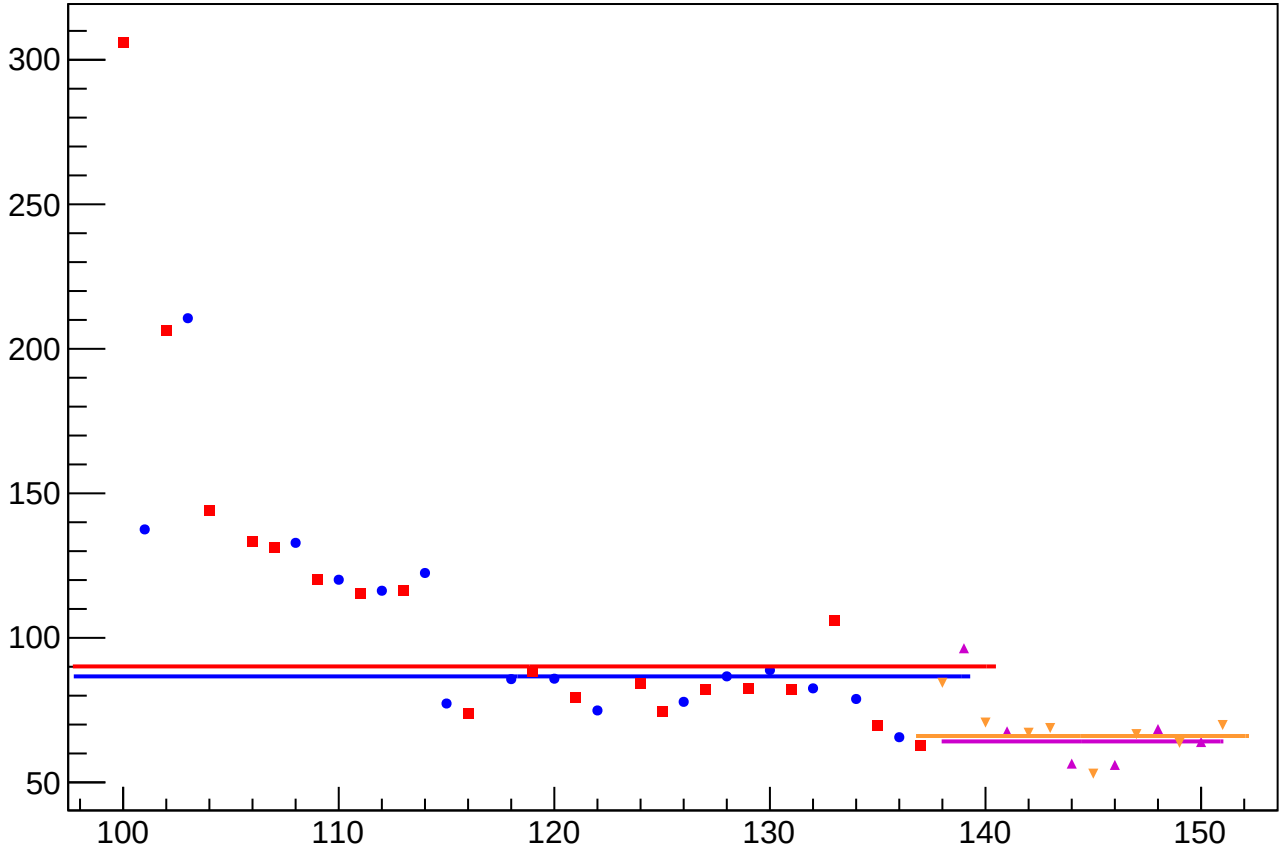
Left In: -105.967+/-28.680 χ^2/NDF:4.6/5

+ sign 91.712+/-21.148 χ^2/NDF: 36.7/23

All: 7.977+/-15.295 χ^2/NDF: 95.1/48

- sign -83.850+/-22.146 χ^2/NDF: 25.6/24

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 66.045+/-0.019 χ^2/NDF:180177.7/7

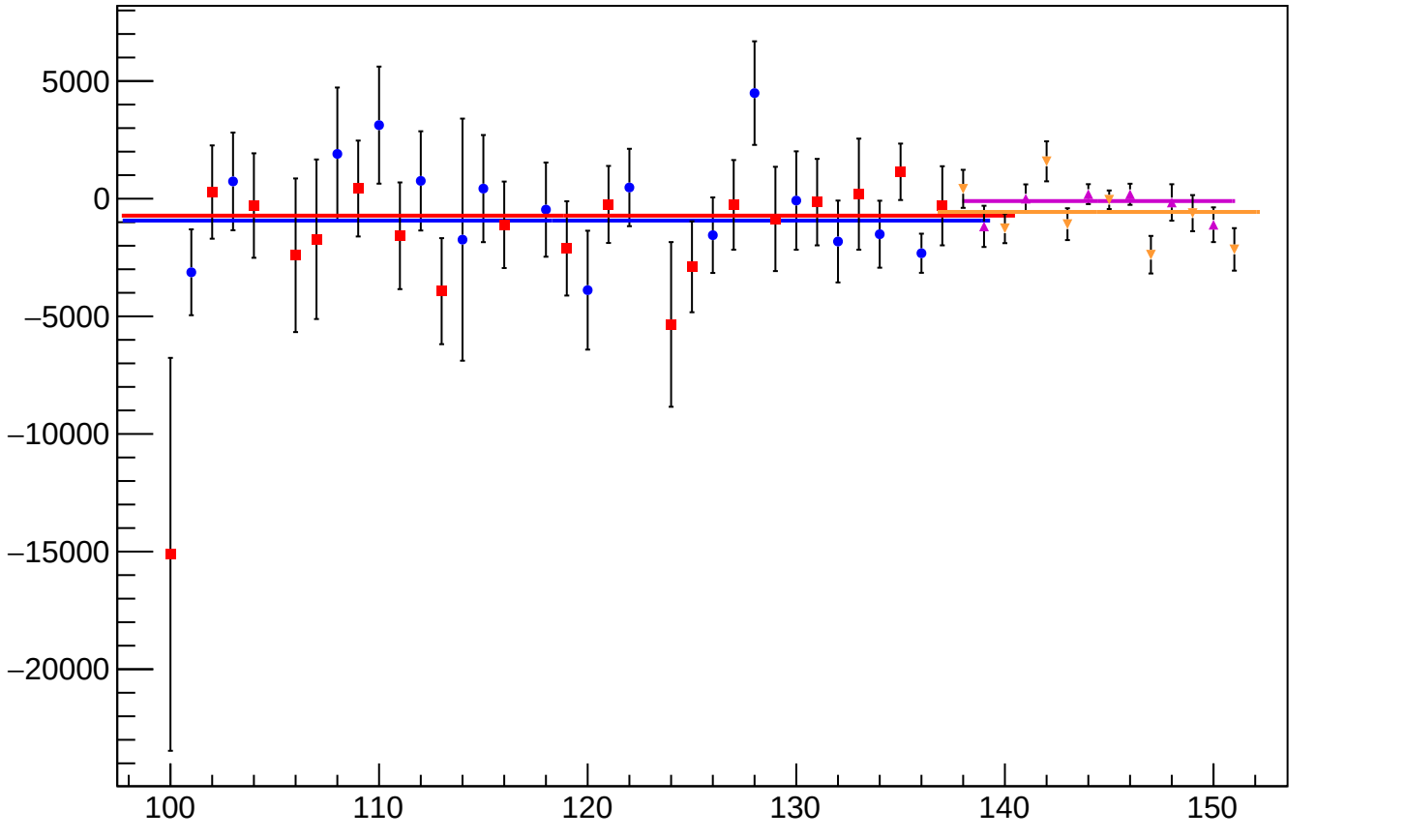
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 64.169+/-0.020 χ^2/NDF:267211.3/5

+ sign 74.079+/-0.015 χ^2/NDF: 1671240.1/23

All: 74.349+/-0.011 χ^2/NDF: 3745324.5/48

- sign 74.645+/-0.016 χ^2/NDF: 2073400.7/24



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -562.541+/-232.320 χ^2/NDF:19.7/7

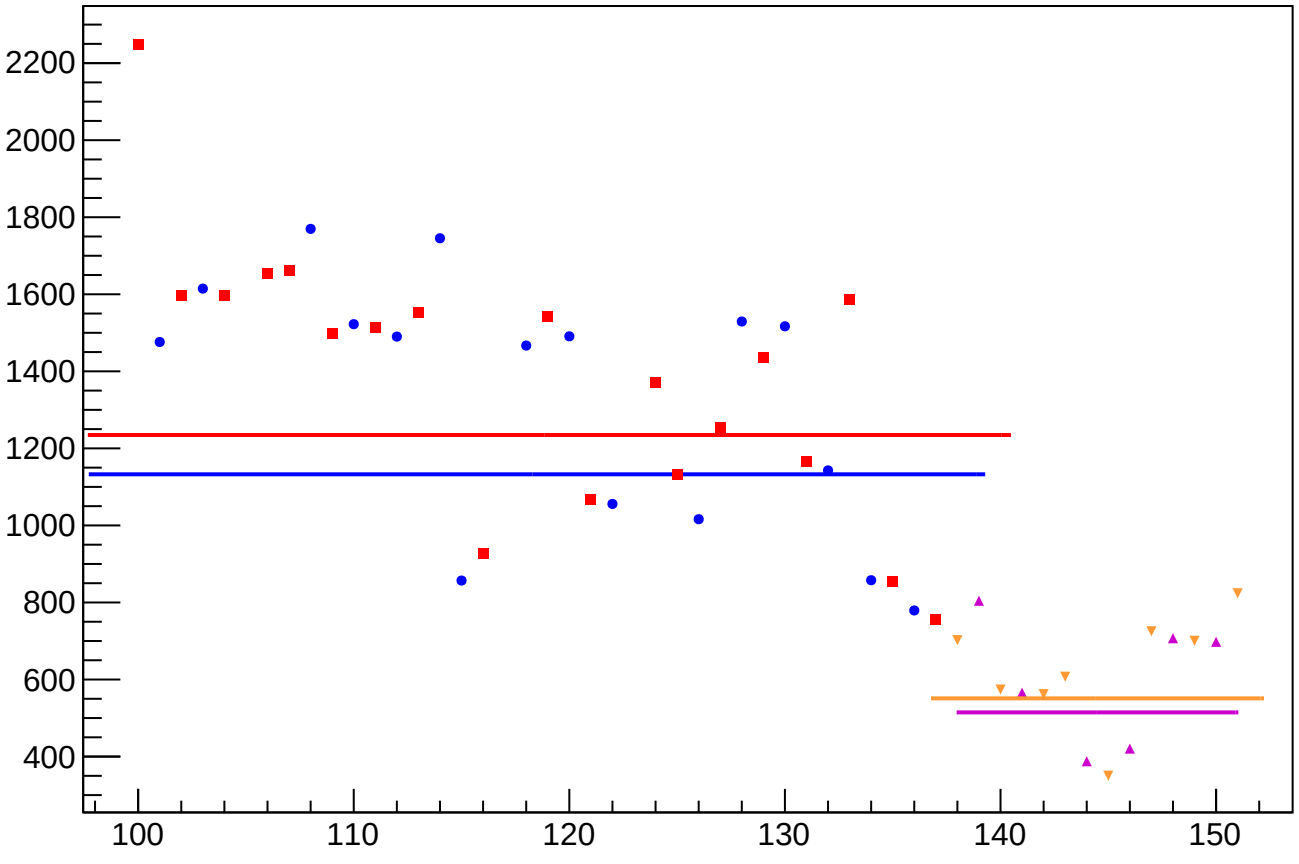
Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: -100.383+/-235.079 χ^2/NDF:4.3/5

+ sign -642.349+/-205.532 χ^2/NDF: 38.8/23

All: -438.331+/-146.927 χ^2/NDF: 59.0/48

- sign -225.112+/-210.116 χ^2/NDF: 18.2/24



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 551.096+/-0.164 χ^2/NDF:956589.3/7

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

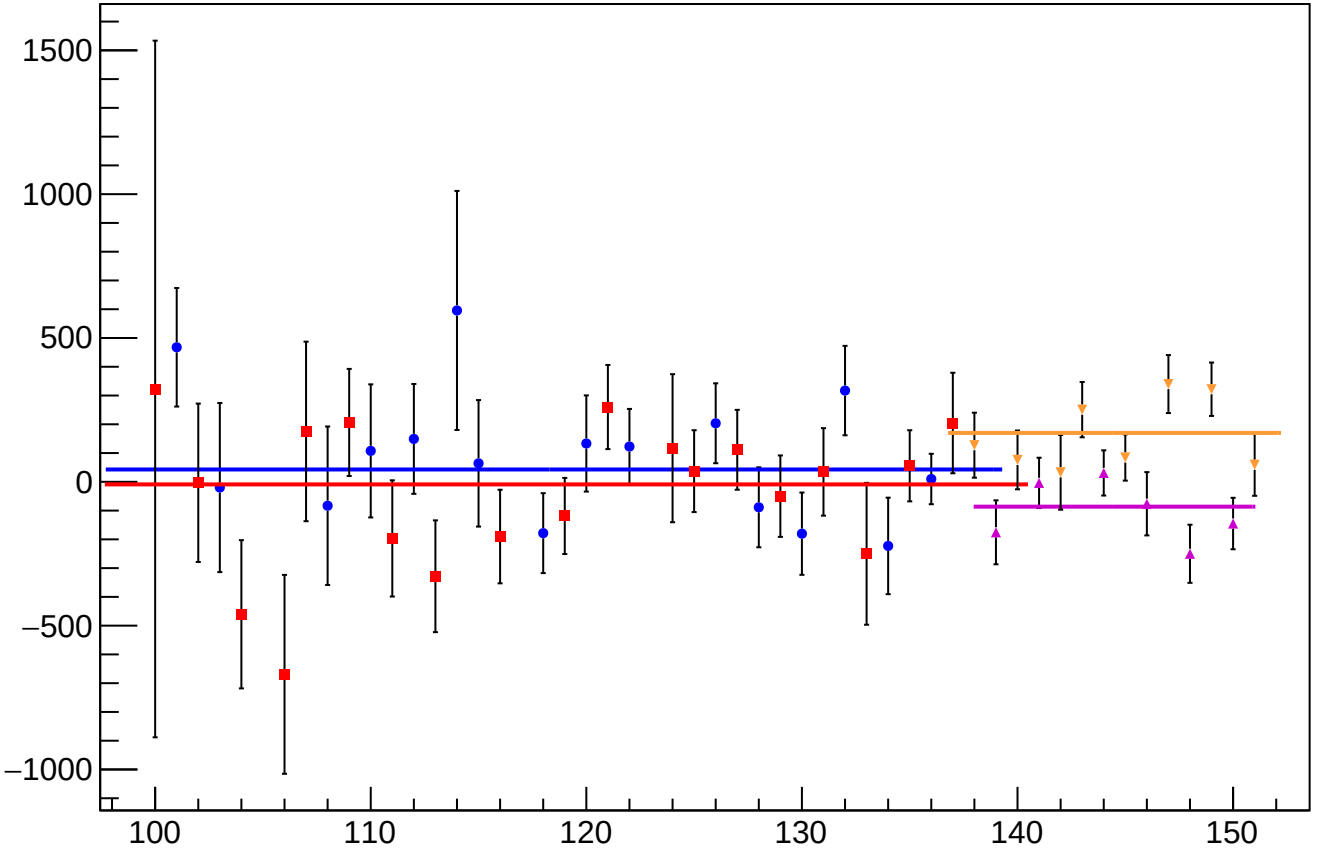
Left In: 514.678+/-0.166 χ^2/NDF:748032.0/5

+ sign 677.486+/-0.145 χ^2/NDF: 4804645.7/23

All: 668.681+/-0.104 χ^2/NDF: 10209814.8/48

- sign 659.480+/-0.149 χ^2/NDF: 5397663.8/24

dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 169.989+/-35.446 χ^2/NDF:10.5/7

Right Out: -8.989+/-41.060 χ^2/NDF: 21.3/18

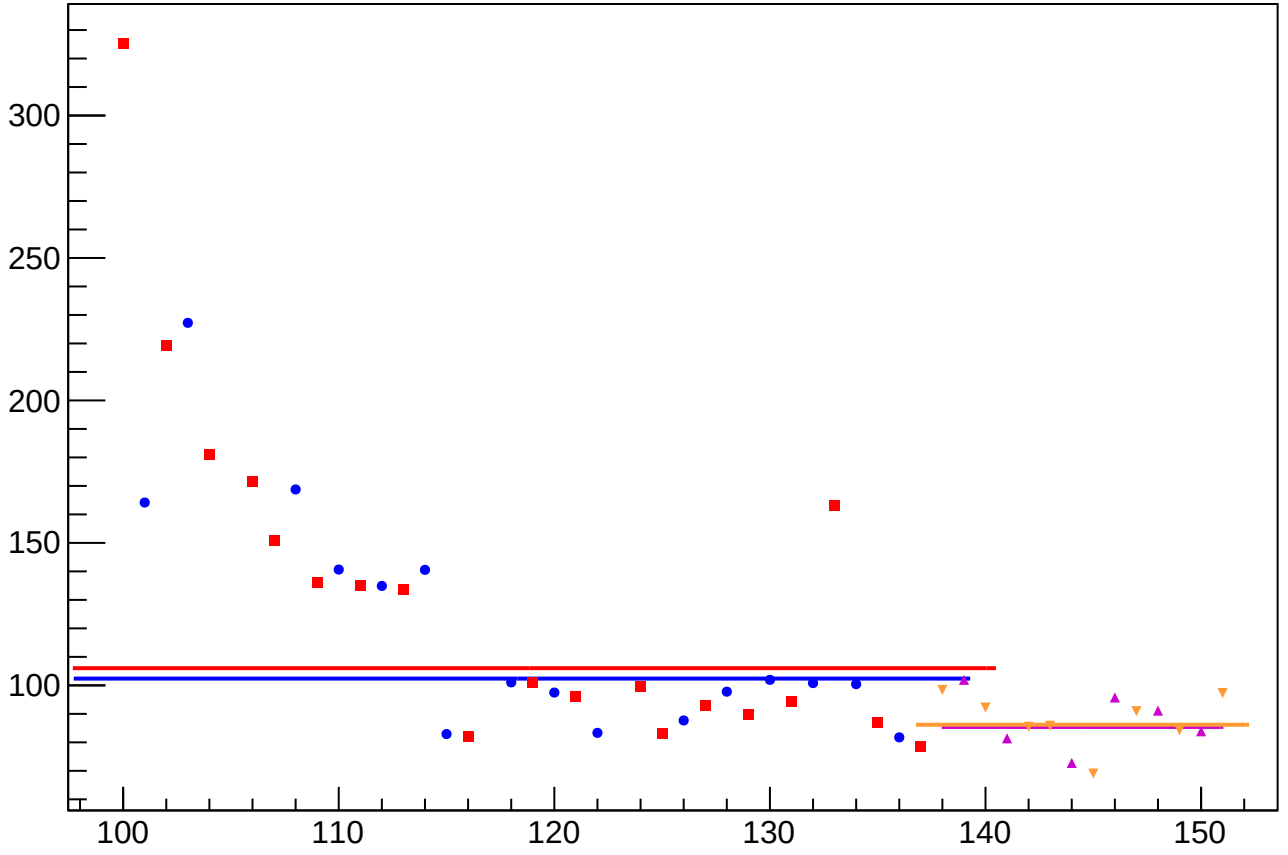
Left In: -86.357+/-38.367 χ^2/NDF:6.8/5

+ sign 114.012+/-26.514 χ^2/NDF: 36.5/23

All: 36.434+/-19.263 χ^2/NDF: 84.7/48

- sign -50.293+/-28.033 χ^2/NDF: 30.1/24

dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 86.181+/-0.025 χ^2/NDF:147859.4/7

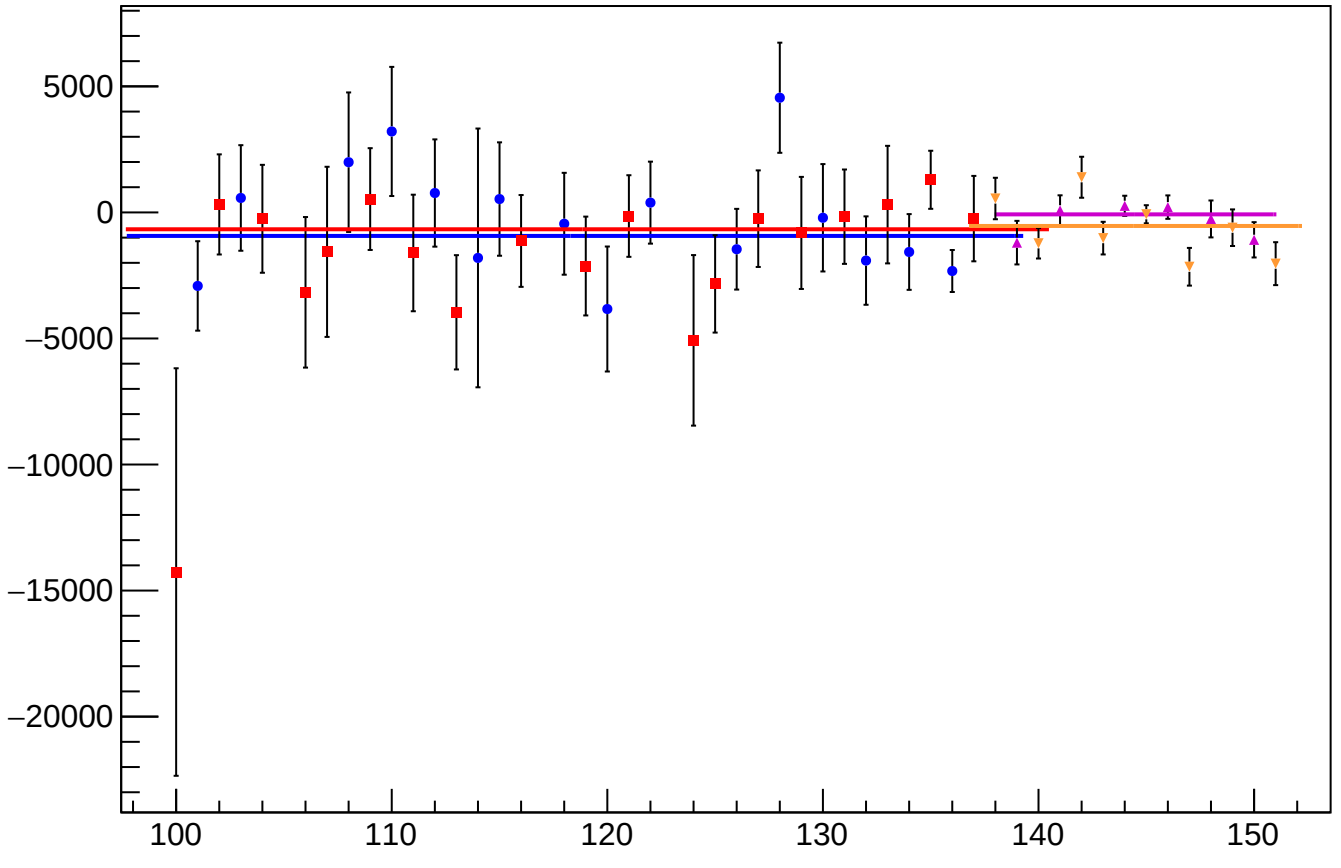
Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 85.410+/-0.027 χ^2/NDF:124770.8/5

\+ sign 93.316+/-0.019 χ^2/NDF: 1314132.6/23

All: 94.122+/-0.014 χ^2/NDF: 2903451.9/48

\- sign 95.023+/-0.020 χ^2/NDF: 1585405.5/24



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -537.112+/-218.510 χ^2/NDF:18.7/7

Right Out: -668.521+/-463.213 χ^2/NDF: 13.5/18

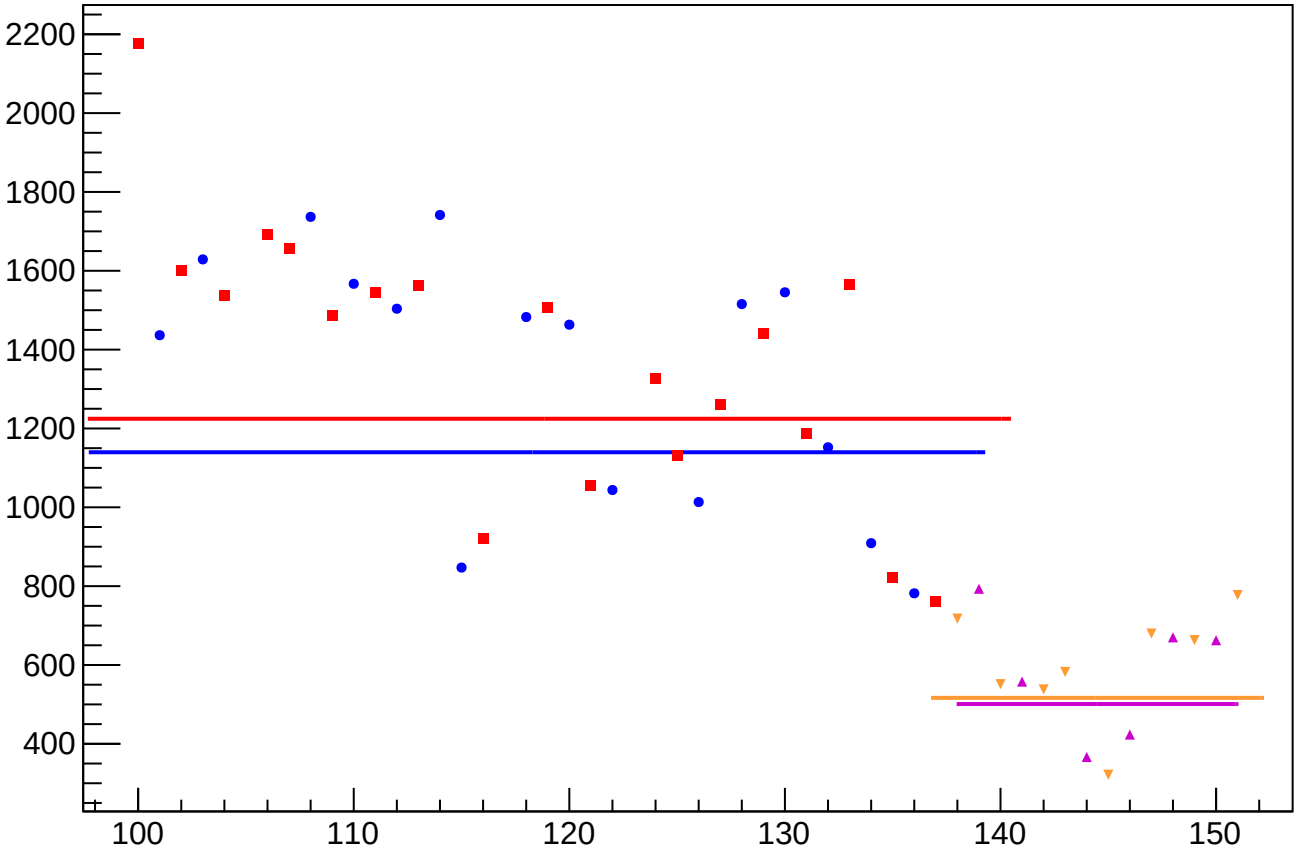
Left In: -77.231+/-229.799 χ^2/NDF:5.0/5

+ sign -614.538+/-195.943 χ^2/NDF: 37.8/23

All: -414.647+/-141.929 χ^2/NDF: 59.8/48

- sign -194.014+/-205.859 χ^2/NDF: 19.8/24

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 516.619+/-0.155 χ^2/NDF:1101858.9/7

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

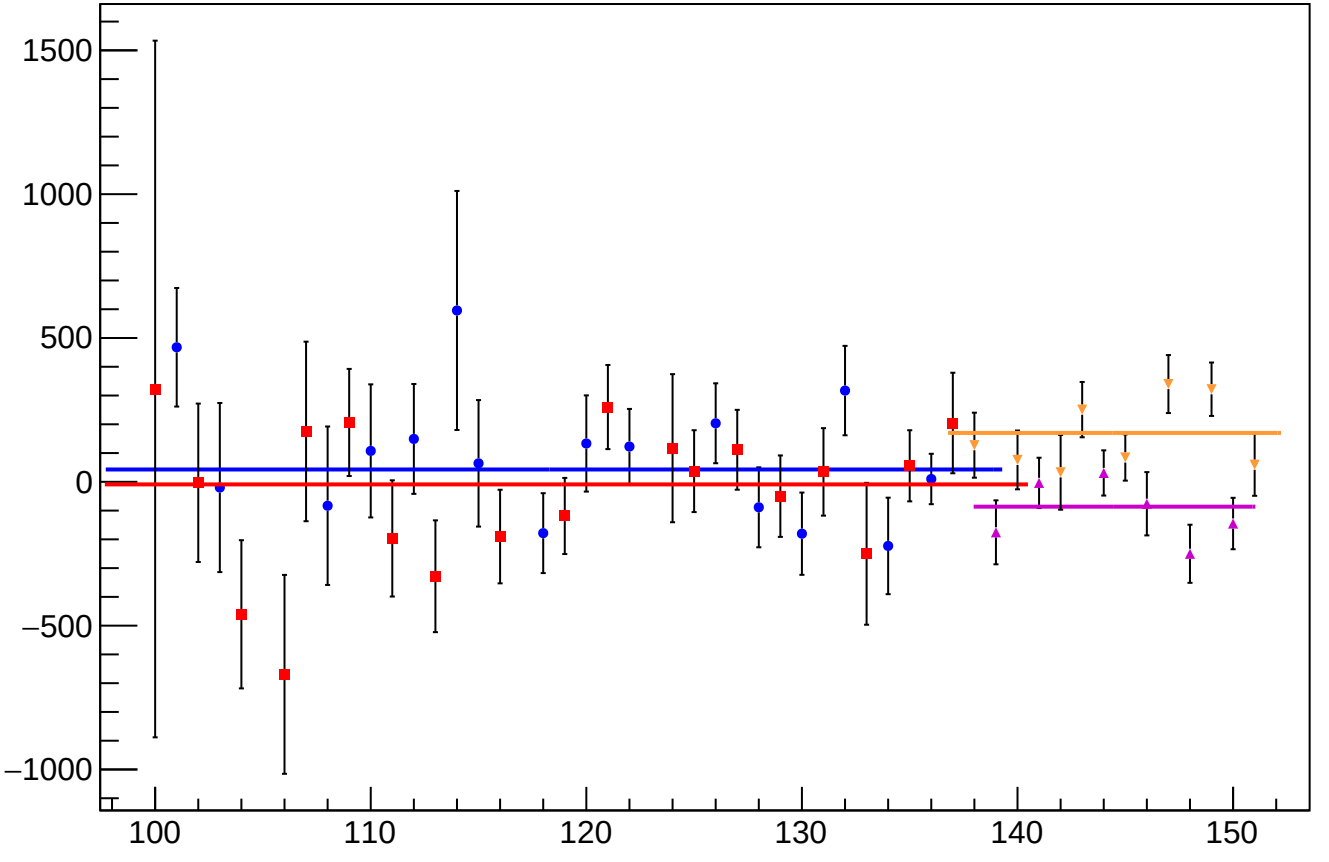
Left In: 500.936+/-0.162 χ^2/NDF:742001.3/5

+ sign 638.661+/-0.139 χ^2/NDF: 5380290.0/23

All: 641.137+/-0.100 χ^2/NDF: 10963038.4/48

- sign 643.871+/-0.146 χ^2/NDF: 5582076.4/24

eigen_dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 169.988+/-35.446 χ^2/NDF:10.5/7

Right Out: -8.986+/-41.060 χ^2/NDF: 21.3/18

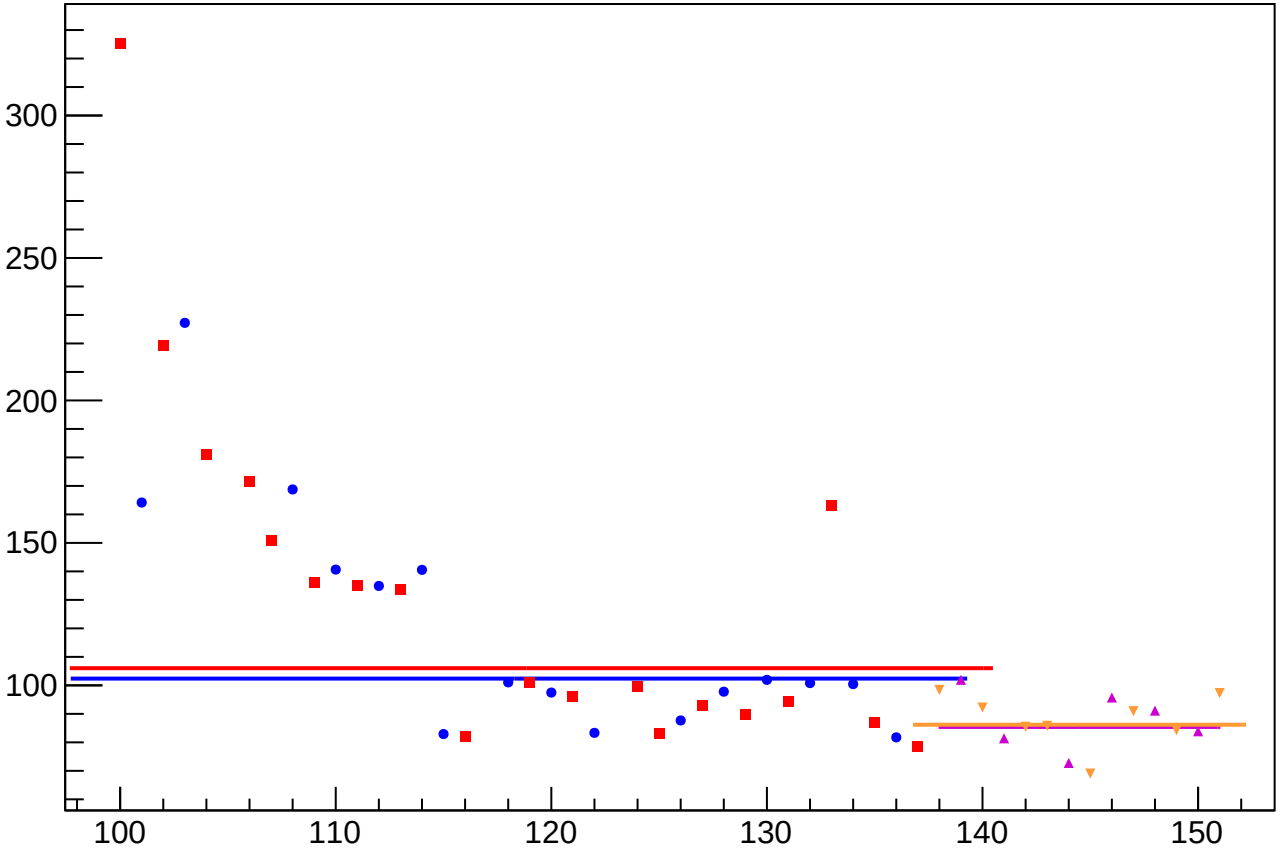
Left In: -86.357+/-38.367 χ^2/NDF:6.8/5

+ sign 114.011+/-26.514 χ^2/NDF: 36.5/23

All: 36.434+/-19.263 χ^2/NDF: 84.7/48

- sign -50.291+/-28.033 χ^2/NDF: 30.1/24

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 86.182+/-0.025 χ^2/NDF:147851.0/7

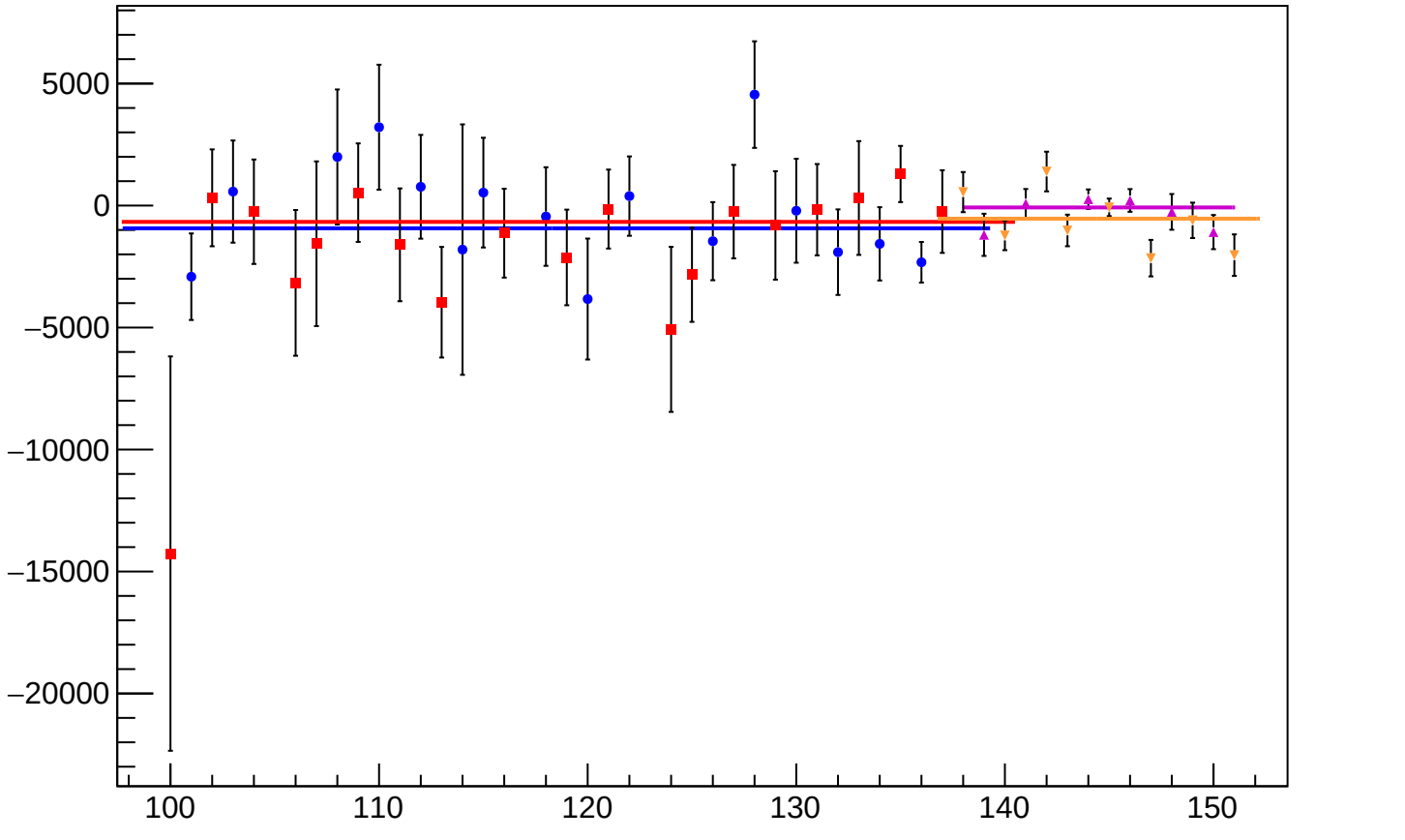
Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 85.411+/-0.027 χ^2/NDF:124768.3/5

+ sign 93.316+/-0.019 χ^2/NDF: 1314102.8/23

All: 94.122+/-0.014 χ^2/NDF: 2903408.2/48

- sign 95.023+/-0.020 χ^2/NDF: 1585391.5/24



Right In: -932.377+/-442.724 χ^2/NDF: 18.5/15

Left Out: -537.113+/-218.509 χ^2/NDF:18.7/7

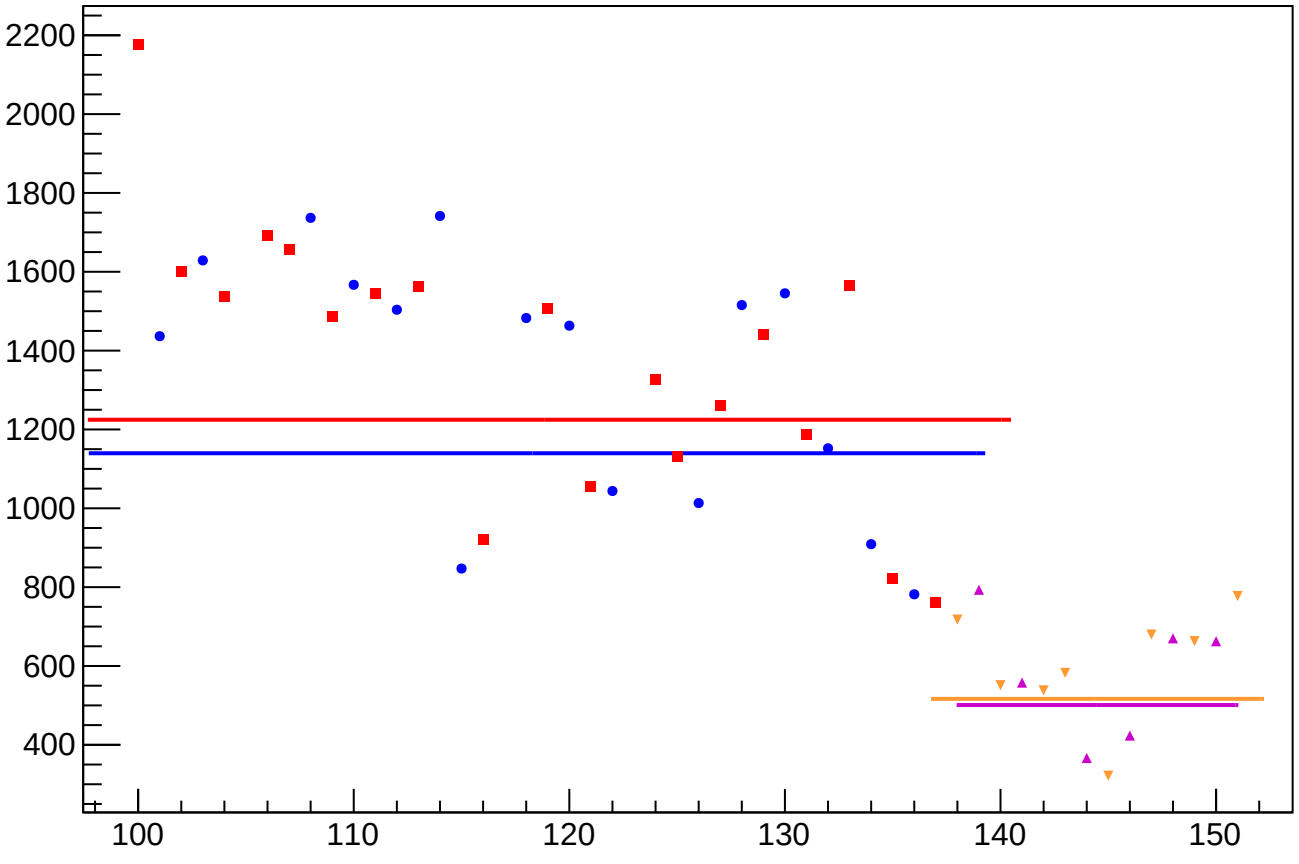
Right Out: -668.522+/-463.212 χ^2/NDF: 13.5/18

Left In: -77.230+/-229.799 χ^2/NDF:5.0/5

+ sign -614.538+/-195.943 χ^2/NDF: 37.8/23

All: -414.647+/-141.929 χ^2/NDF: 59.8/48

- sign -194.014+/-205.859 χ^2/NDF: 19.8/24



Right In: 1139.656+/-0.313 χ^2/NDF: 1093397.5/15

Left Out: 516.618+/-0.155 χ^2/NDF:1101872.0/7

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

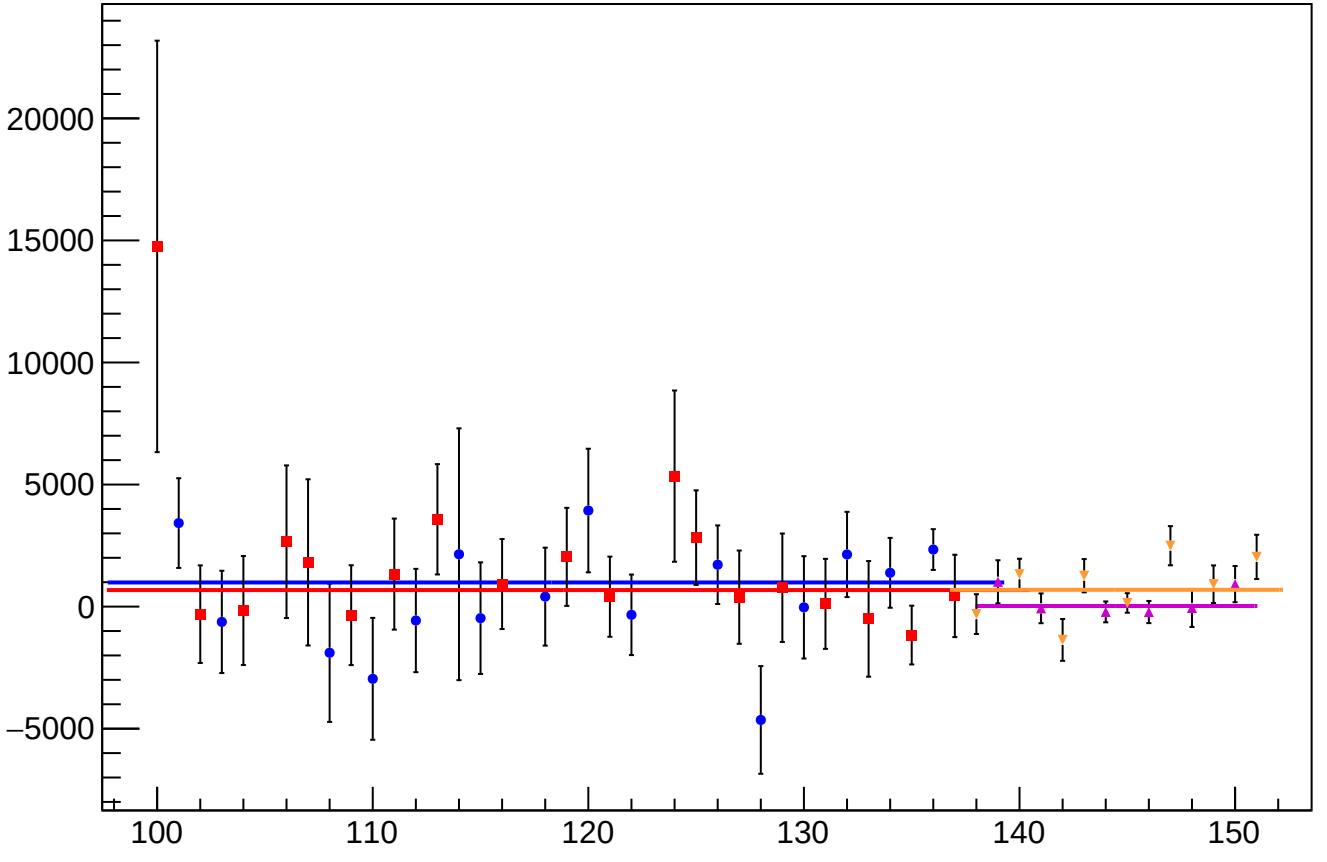
Left In: 500.935+/-0.162 χ^2/NDF:742003.8/5

+ sign 638.660+/-0.139 χ^2/NDF: 5380303.9/23

All: 641.136+/-0.100 χ^2/NDF: 10963047.9/48

- sign 643.870+/-0.146 χ^2/NDF: 5582071.9/24

asym_sam_3726_avg_mean vs Slug



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 688.396+/-234.280 χ^2/NDF:18.2/7

Right Out: 677.628+/-469.652 χ^2/NDF: 11.9/18

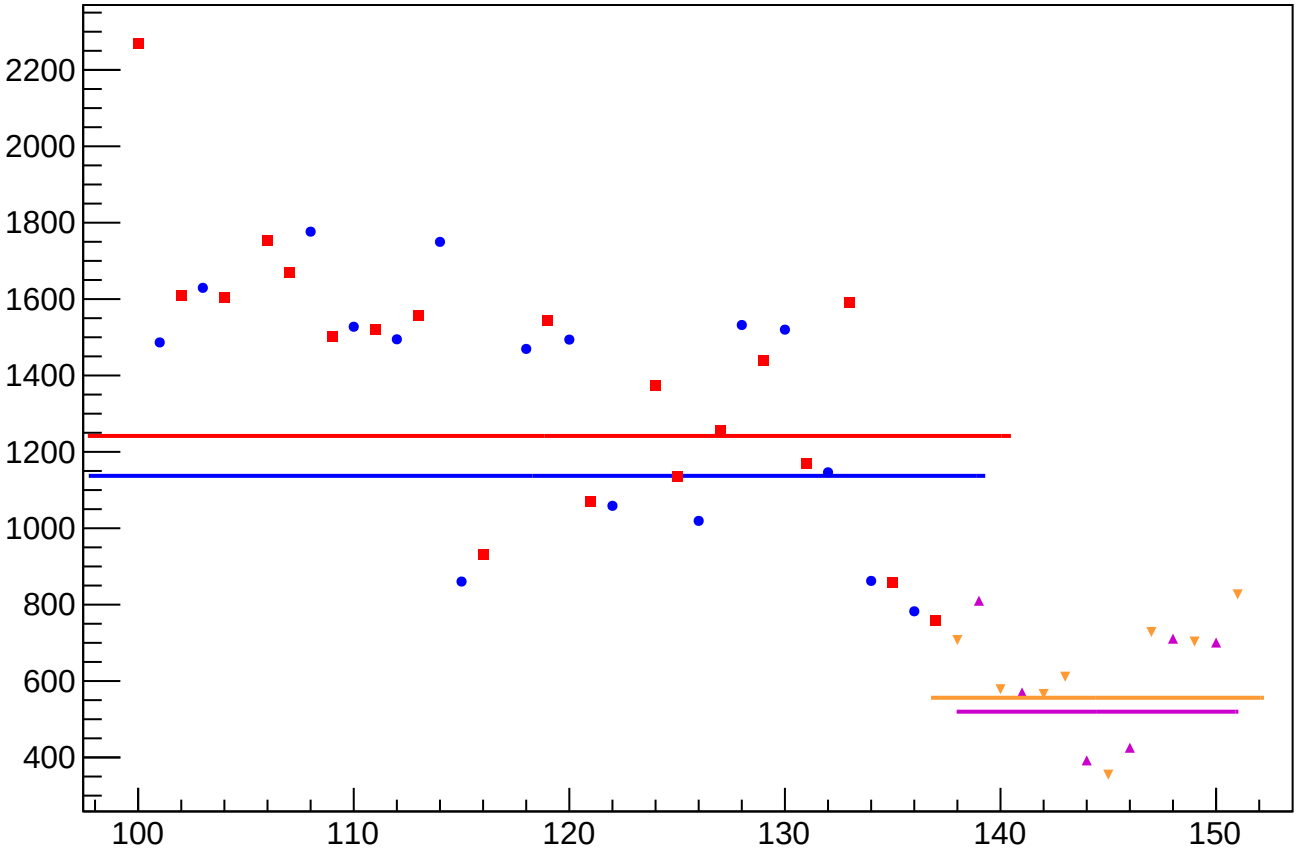
Left In: 25.399+/-237.222 χ^2/NDF:3.4/5

\+ sign 754.250+/-207.065 χ^2/NDF: 37.6/23

All: 462.774+/-148.043 χ^2/NDF: 58.4/48

\- sign 157.976+/-211.744 χ^2/NDF: 16.8/24

asym_sam_3726_avg_rms vs Slug



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 556.243+/-0.166 χ^2/NDF:935135.9/7

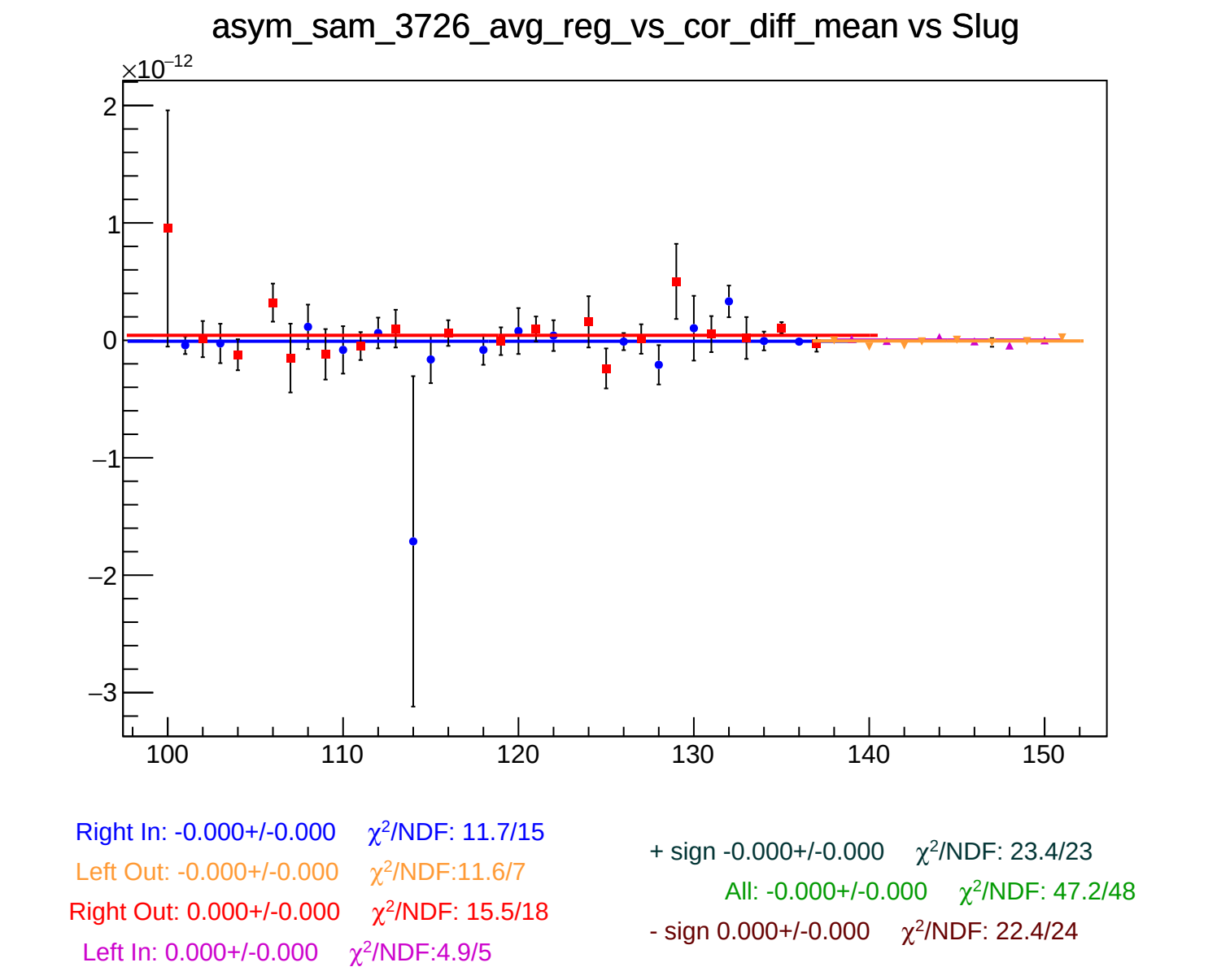
Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

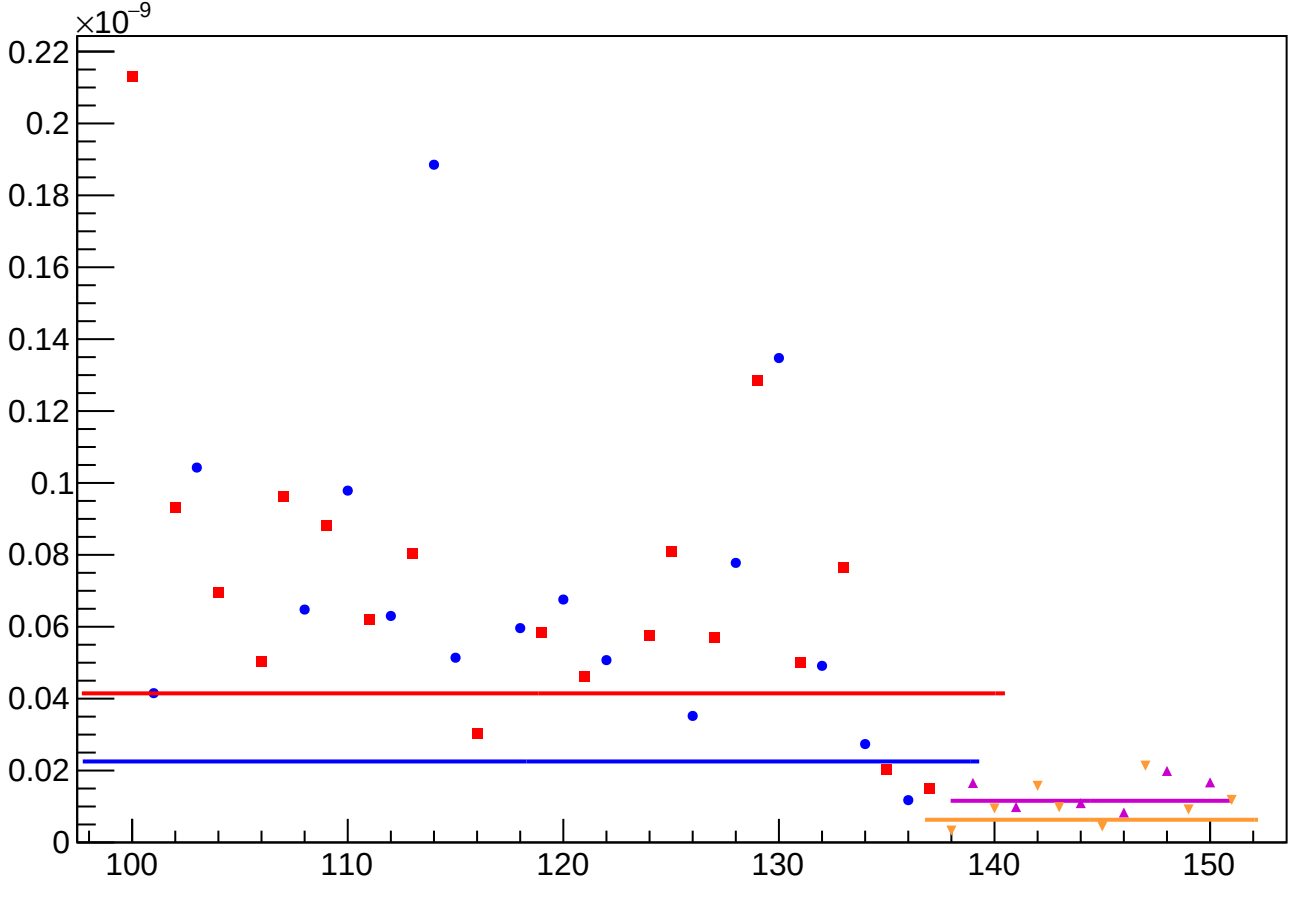
Left In: 519.745+/-0.168 χ^2/NDF:734814.2/5

+ sign 683.382+/-0.146 χ^2/NDF: 4750348.8/23

All: 675.128+/-0.105 χ^2/NDF: 10156577.9/48

- sign 666.497+/-0.150 χ^2/NDF: 5399727.6/24


asym_sam_3726_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
2
1
0
−1
−2
−3
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 11.7/15
Left Out: -0.000+/-0.000 χ²/NDF:11.6/7
Right Out: 0.000+/-0.000 χ²/NDF: 15.5/18
Left In: 0.000+/-0.000 χ²/NDF:4.9/5
+ sign -0.000+/-0.000 χ²/NDF: 23.4/23
All: -0.000+/-0.000 χ²/NDF: 47.2/48
- sign 0.000+/-0.000 χ²/NDF: 22.4/24



Right In: 0.000+/-0.000 χ^2/NDF: 2852766.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1027708.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1847735.6/18

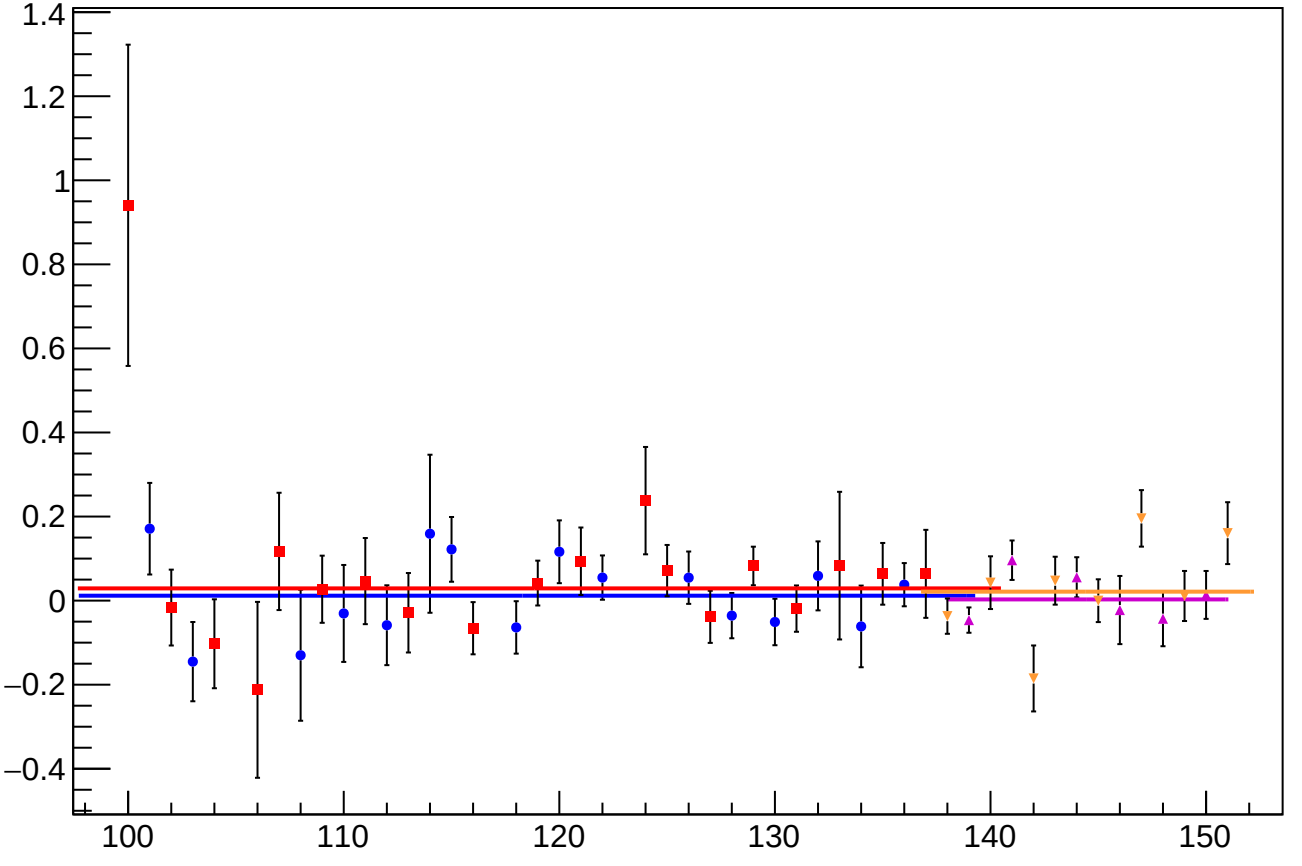
Left In: 0.000+/-0.000 χ^2/NDF:357559.1/5

+ sign 0.000+/-0.000 χ^2/NDF: 5470271.4/23

All: 0.000+/-0.000 χ^2/NDF: 10799325.5/48

- sign 0.000+/-0.000 χ^2/NDF: 4422373.5/24

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: 0.021+/-0.021 χ^2/NDF:19.7/7

Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

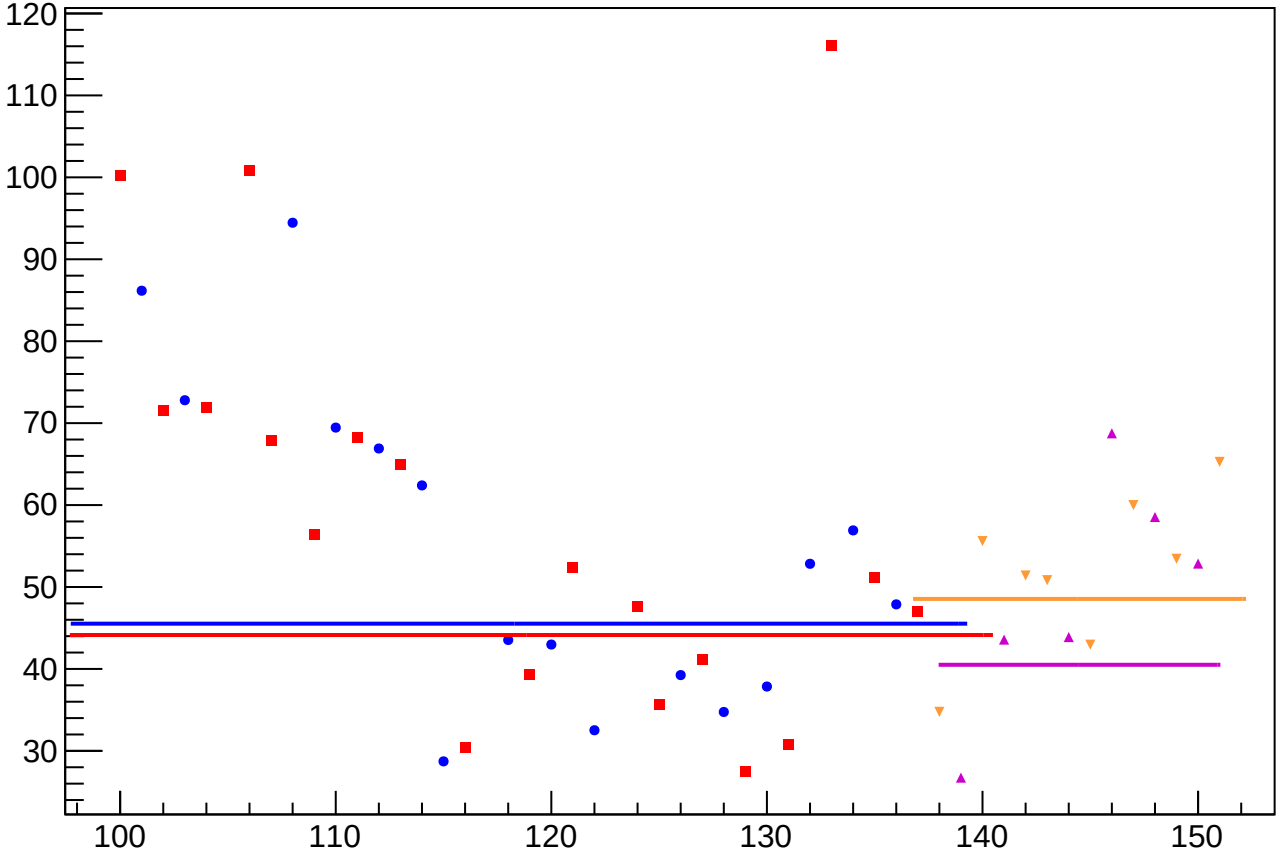
Left In: 0.003+/-0.019 χ^2/NDF:8.5/5

+ sign 0.016+/-0.014 χ^2/NDF: 36.7/23

All: 0.016+/-0.009 χ^2/NDF: 65.7/48

- sign 0.017+/-0.013 χ^2/NDF: 29.0/24

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: 48.547+/-0.015 χ^2/NDF:445070.1/7

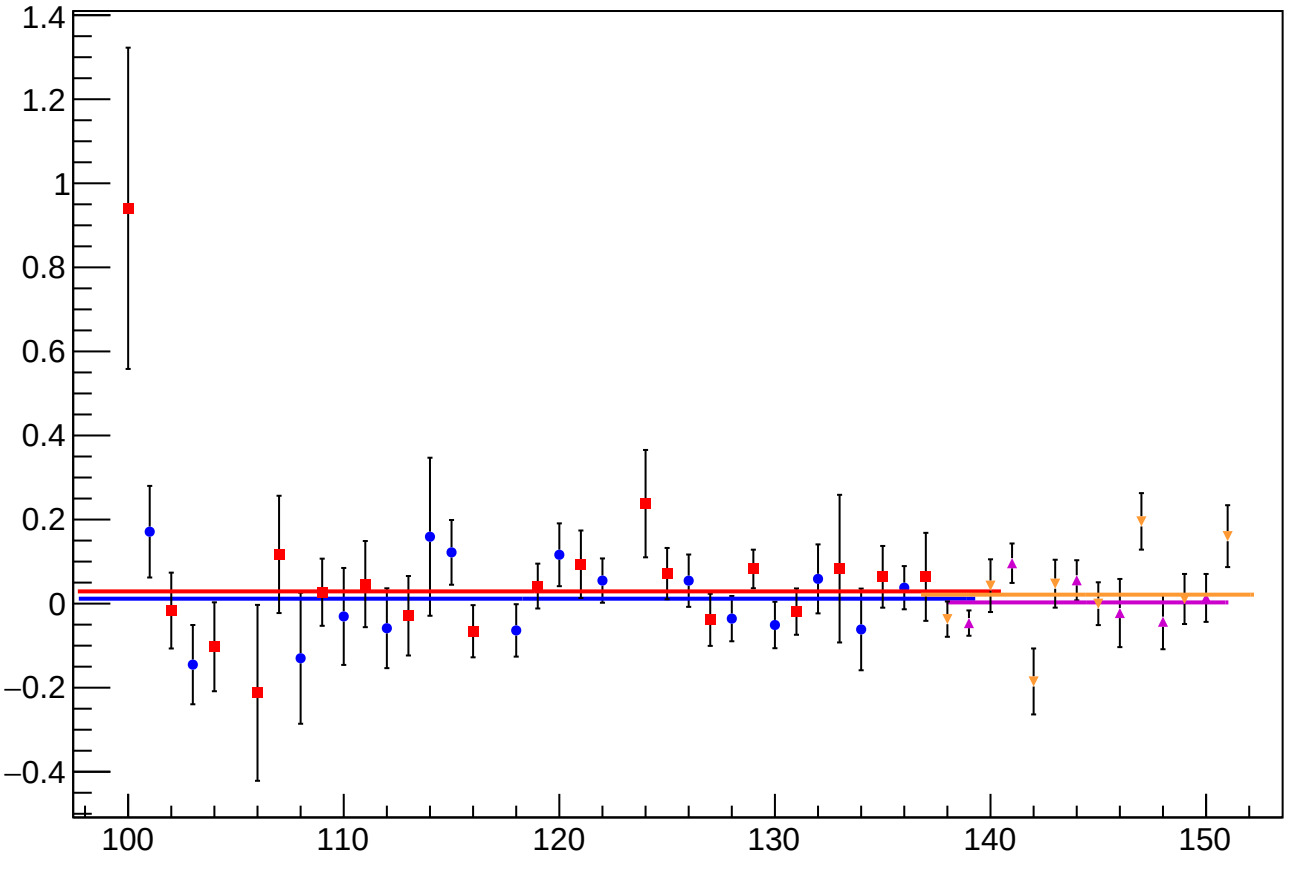
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 40.507+/-0.014 χ^2/NDF:925465.1/5

+ sign 46.862+/-0.010 χ^2/NDF: 1723120.1/23

All: 44.568+/-0.007 χ^2/NDF: 4538107.9/48

- sign 42.460+/-0.009 χ^2/NDF: 2707091.6/24



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.021+/-0.021 χ^2/NDF:19.7/7

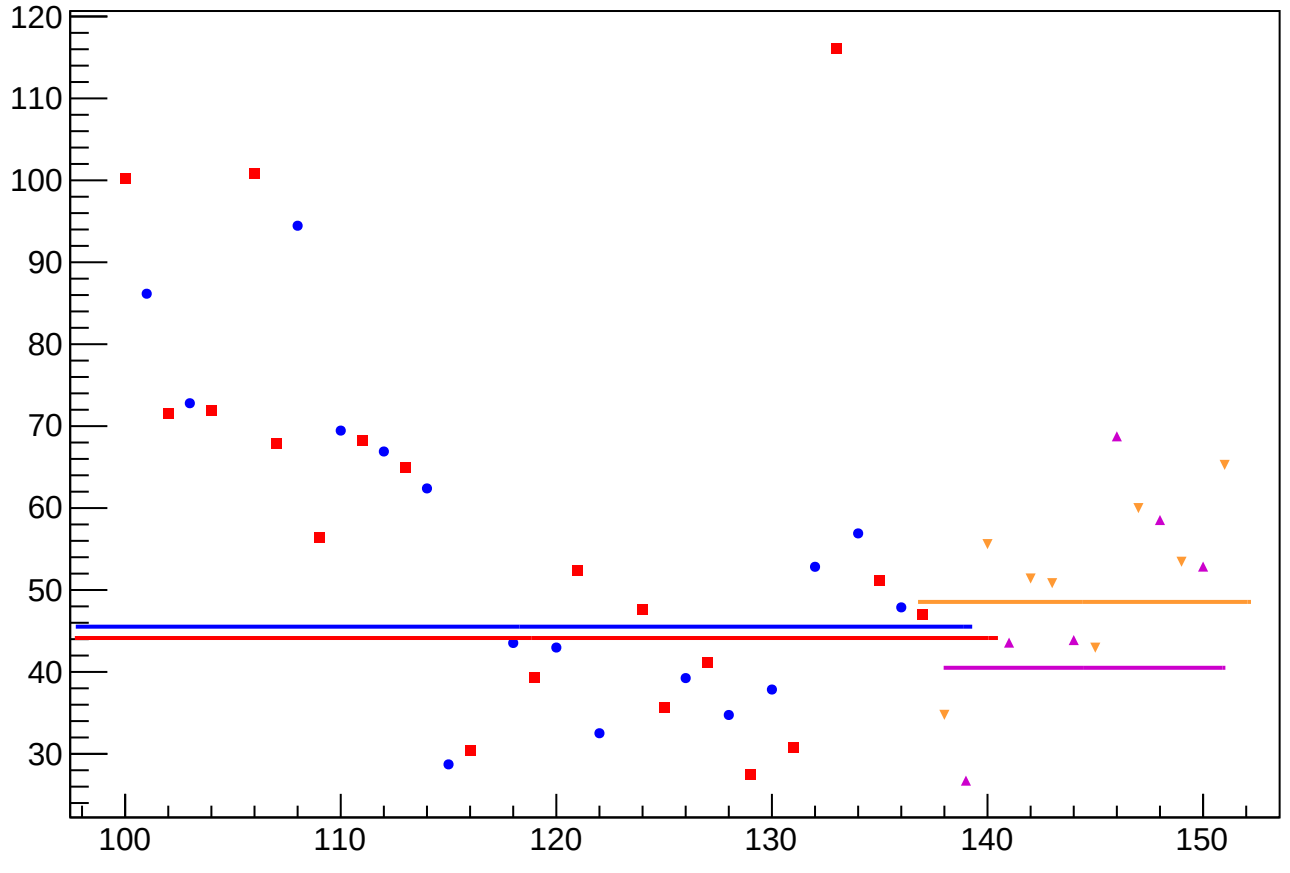
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.003+/-0.019 χ^2/NDF:8.5/5

+ sign 0.016+/-0.014 χ^2/NDF: 36.7/23

All: 0.016+/-0.009 χ^2/NDF: 65.7/48

- sign 0.017+/-0.013 χ^2/NDF: 29.0/24



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 48.547+/-0.015 χ^2/NDF:445070.1/7

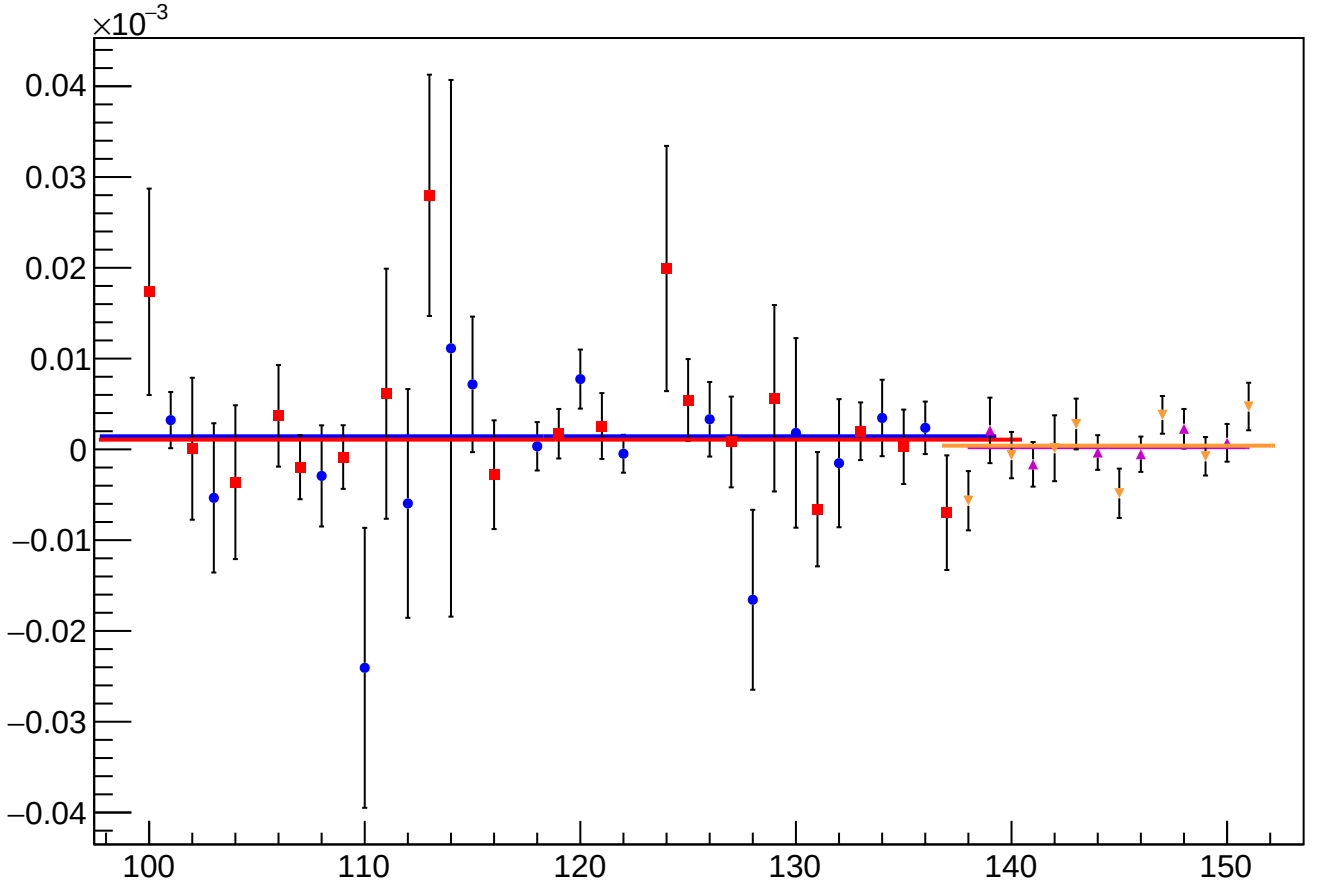
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 40.507+/-0.014 χ^2/NDF:925465.1/5

+ sign 46.862+/-0.010 χ^2/NDF: 1723120.1/23

All: 44.568+/-0.007 χ^2/NDF: 4538107.9/48

- sign 42.460+/-0.009 χ^2/NDF: 2707091.6/24



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/7

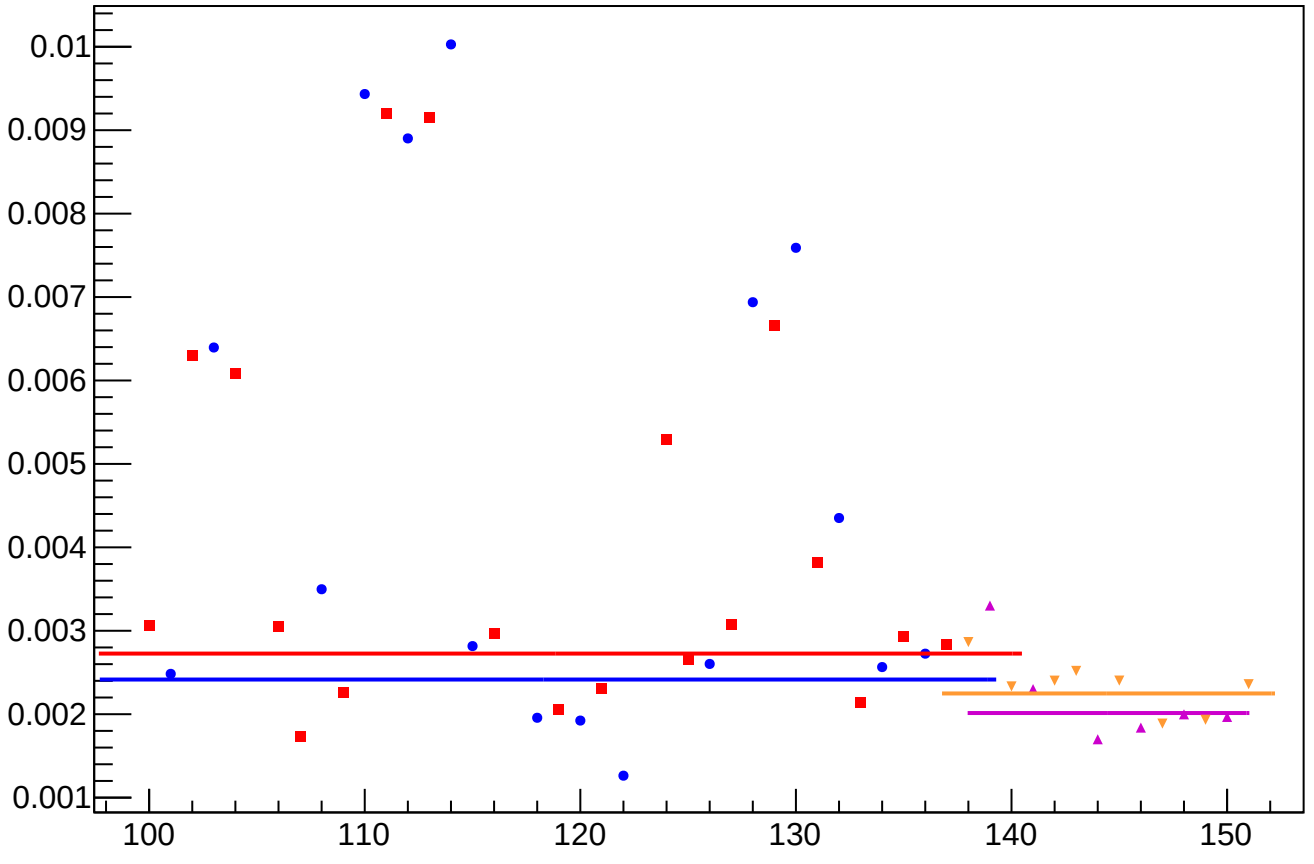
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:2.0/5

+ sign 0.000+/-0.000 χ^2/NDF: 28.5/23

All: 0.000+/-0.000 χ^2/NDF: 45.8/48

- sign 0.000+/-0.000 χ^2/NDF: 17.2/24



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.002+/-0.000 χ^2/NDF:210667.9/7

Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

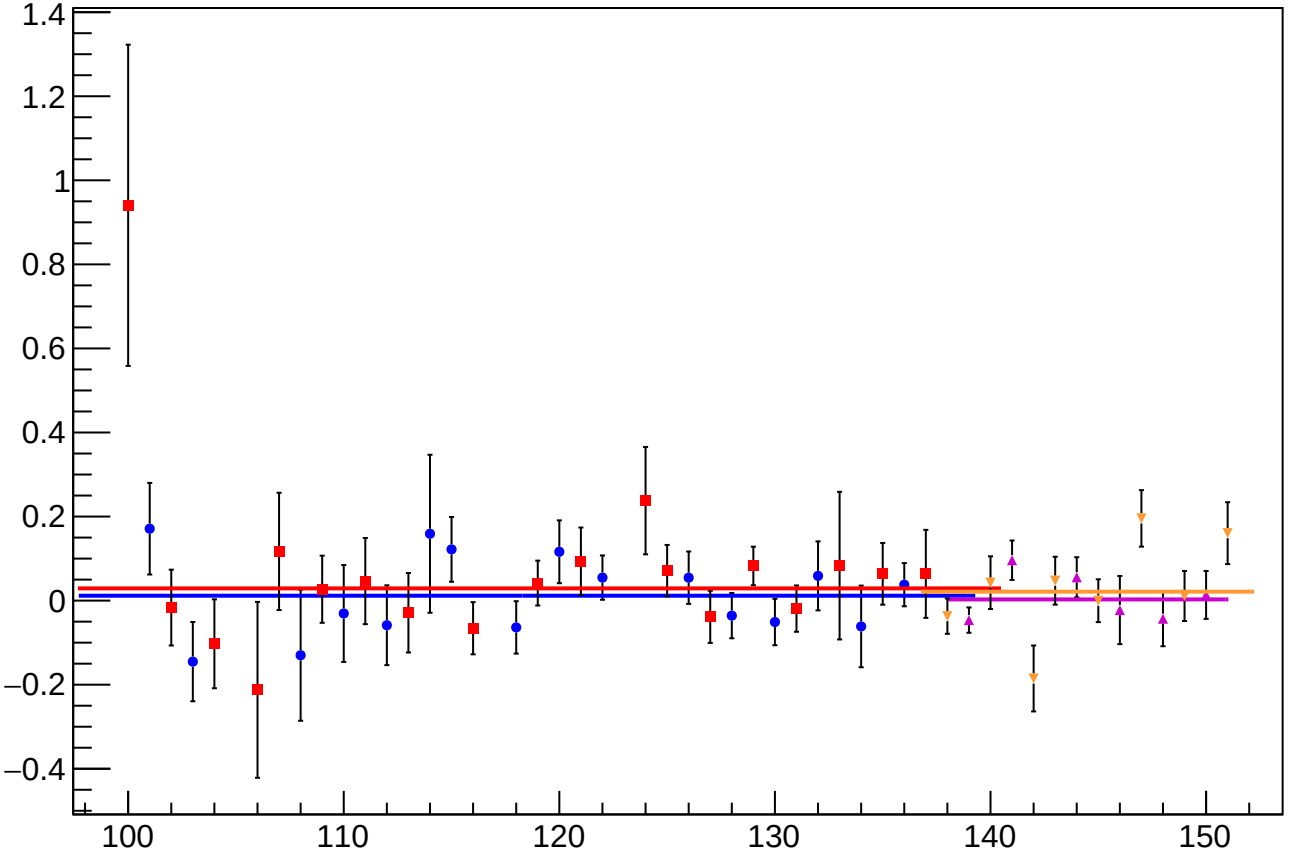
Left In: 0.002+/-0.000 χ^2/NDF:353566.2/5

+ sign 0.002+/-0.000 χ^2/NDF: 3671702.0/23

All: 0.002+/-0.000 χ^2/NDF: 7020811.9/48

- sign 0.002+/-0.000 χ^2/NDF: 3347622.1/24

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.021+/-0.021 χ^2/NDF:19.7/7

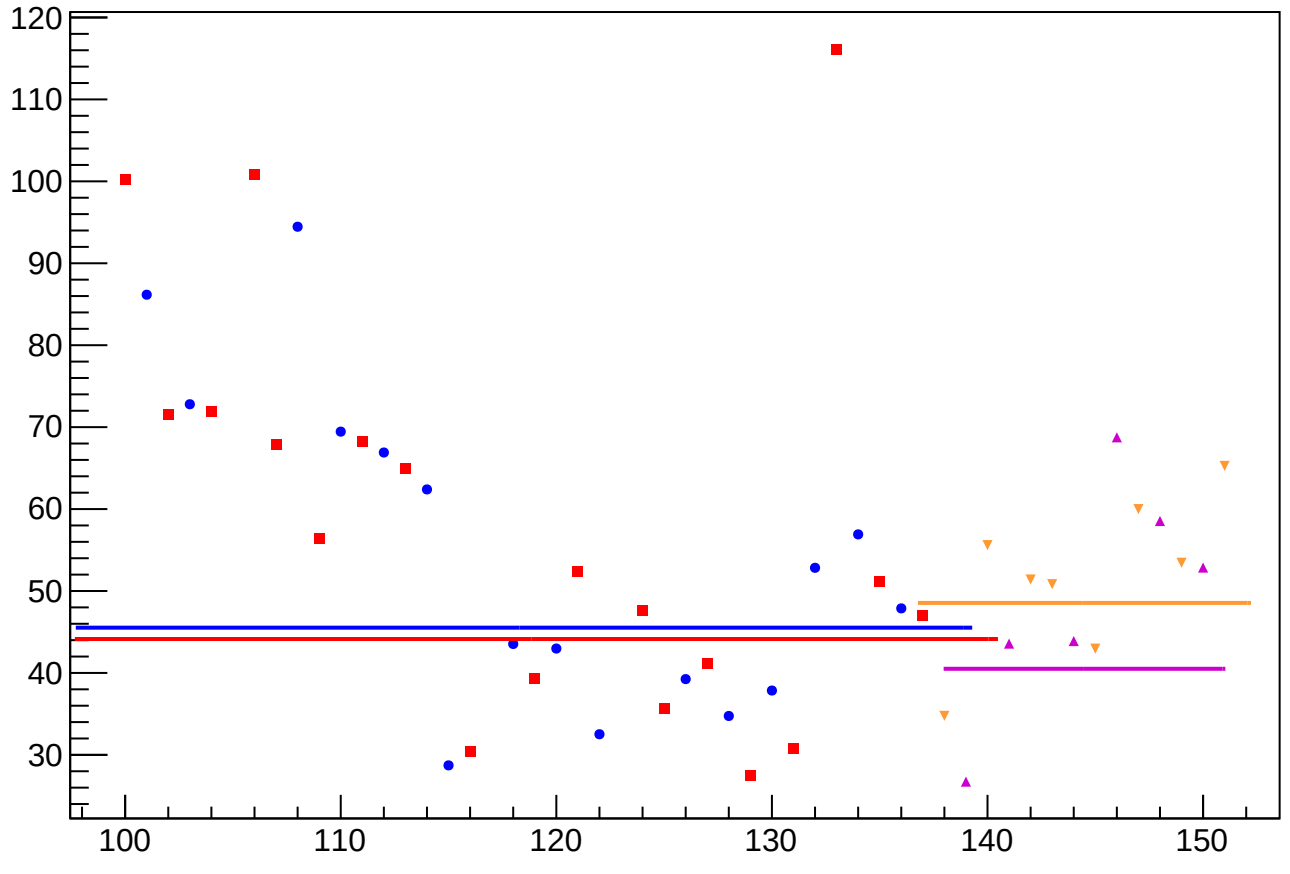
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.003+/-0.019 χ^2/NDF:8.5/5

+ sign 0.016+/-0.014 χ^2/NDF: 36.7/23

All: 0.016+/-0.009 χ^2/NDF: 65.7/48

- sign 0.017+/-0.013 χ^2/NDF: 29.0/24



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 48.548+/-0.015 χ^2/NDF:445094.3/7

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

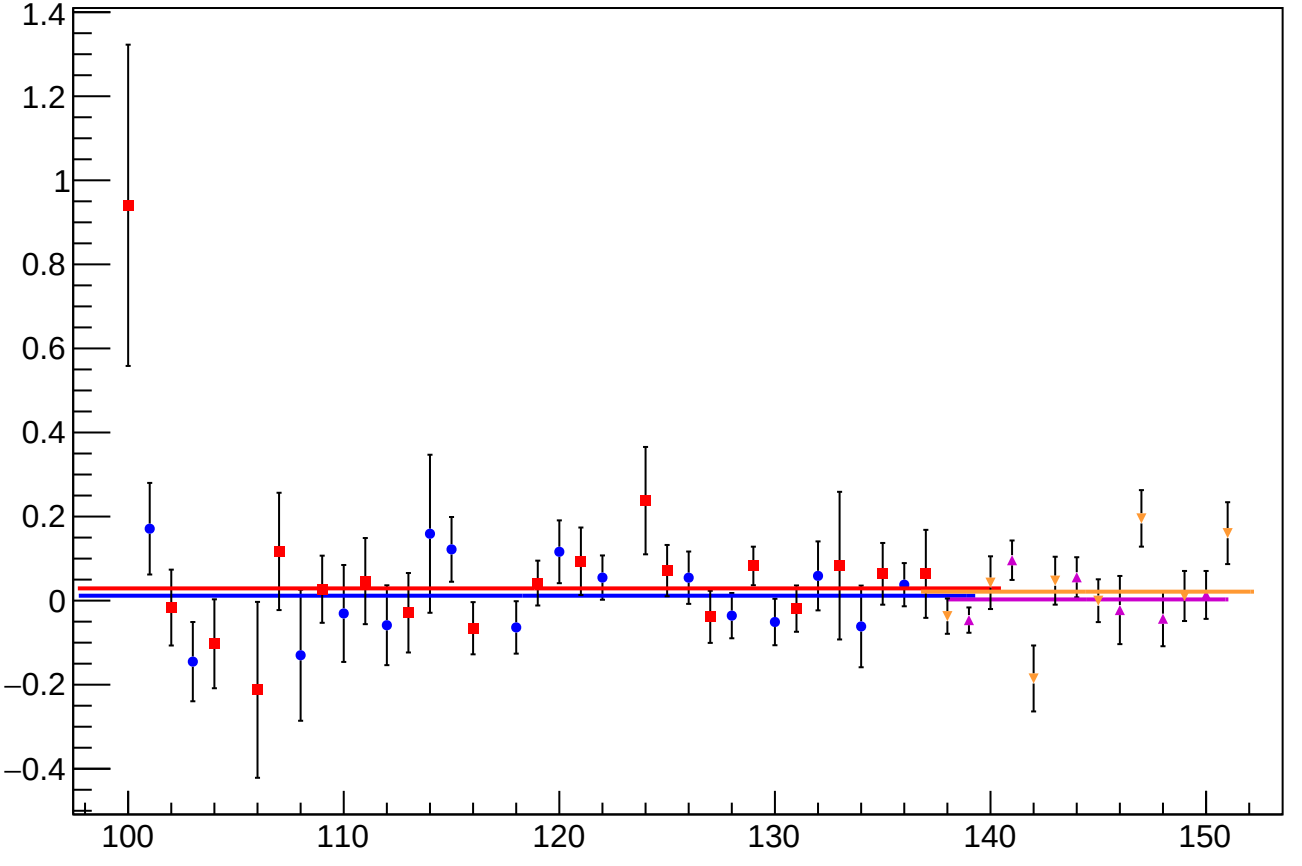
Left In: 40.507+/-0.014 χ^2/NDF:925488.0/5

+ sign 46.862+/-0.010 χ^2/NDF: 1723105.5/23

All: 44.568+/-0.007 χ^2/NDF: 4538028.6/48

- sign 42.461+/-0.009 χ^2/NDF: 2707035.9/24

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: 0.021+/-0.021 χ^2/NDF:19.7/7

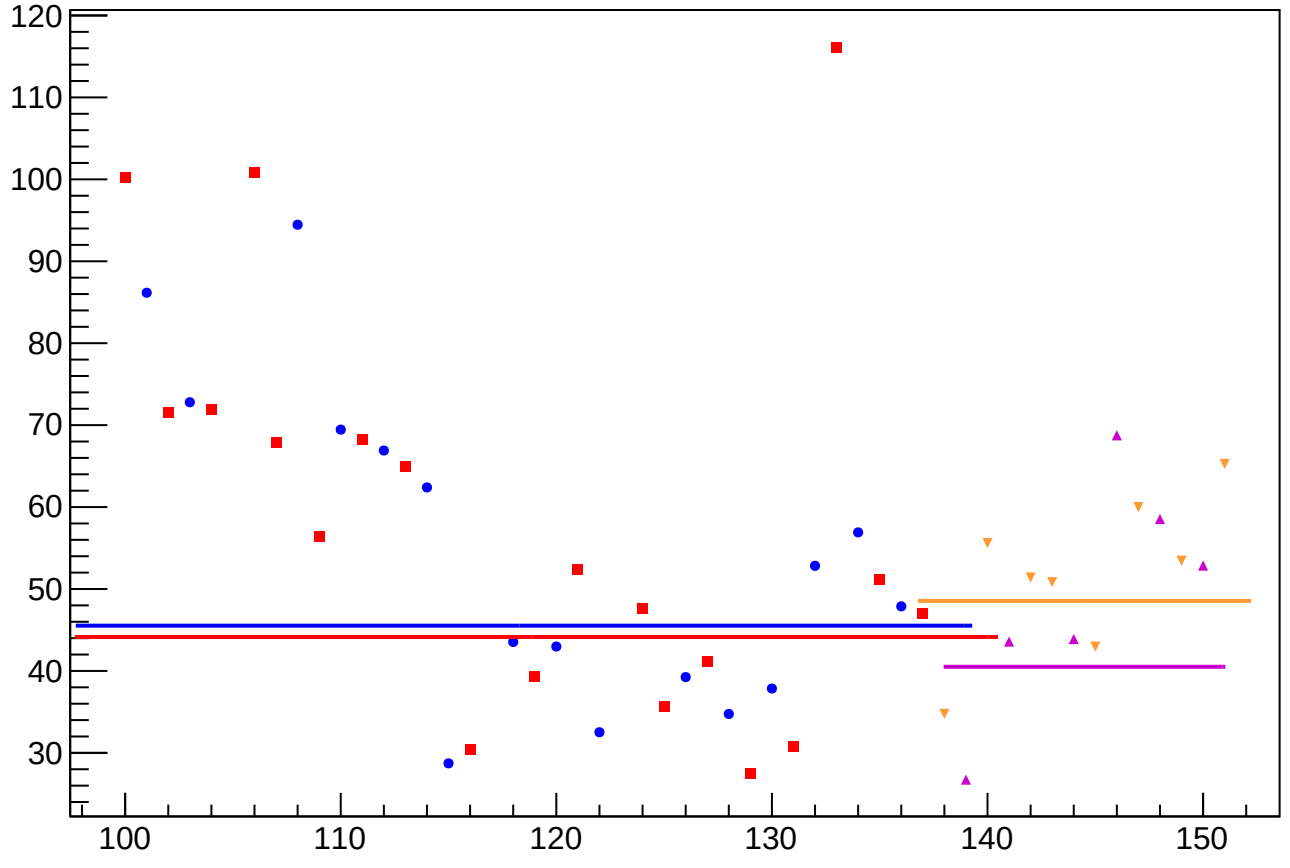
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.003+/-0.019 χ^2/NDF:8.5/5

+ sign 0.016+/-0.014 χ^2/NDF: 36.7/23

All: 0.016+/-0.009 χ^2/NDF: 65.7/48

- sign 0.017+/-0.013 χ^2/NDF: 29.0/24



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 48.548+/-0.015 χ^2/NDF:445094.3/7

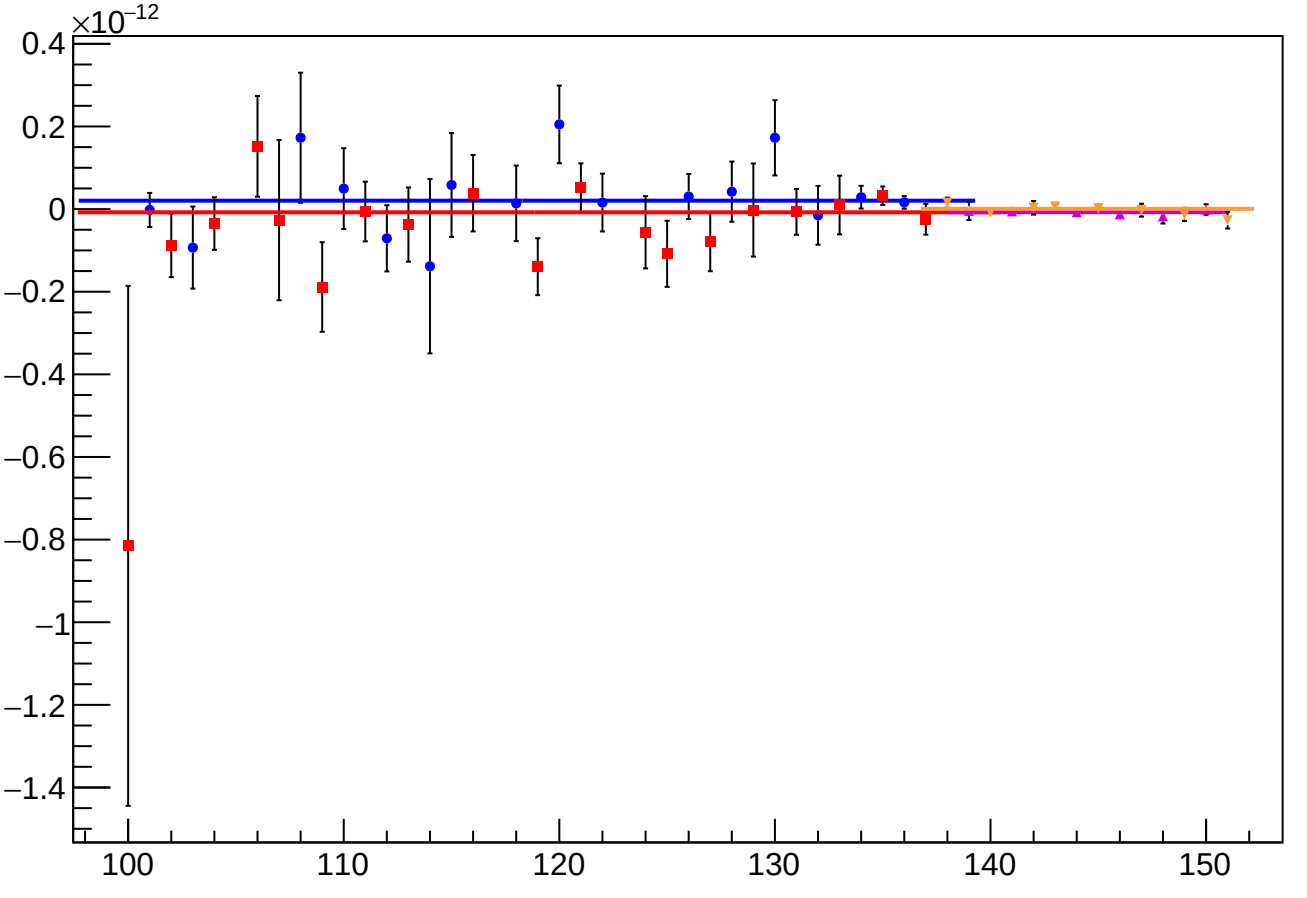
Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 40.507+/-0.014 χ^2/NDF:925488.0/5

+ sign 46.862+/-0.010 χ^2/NDF: 1723105.5/23

All: 44.568+/-0.007 χ^2/NDF: 4538028.6/48

- sign 42.461+/-0.009 χ^2/NDF: 2707035.9/24



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.1/7

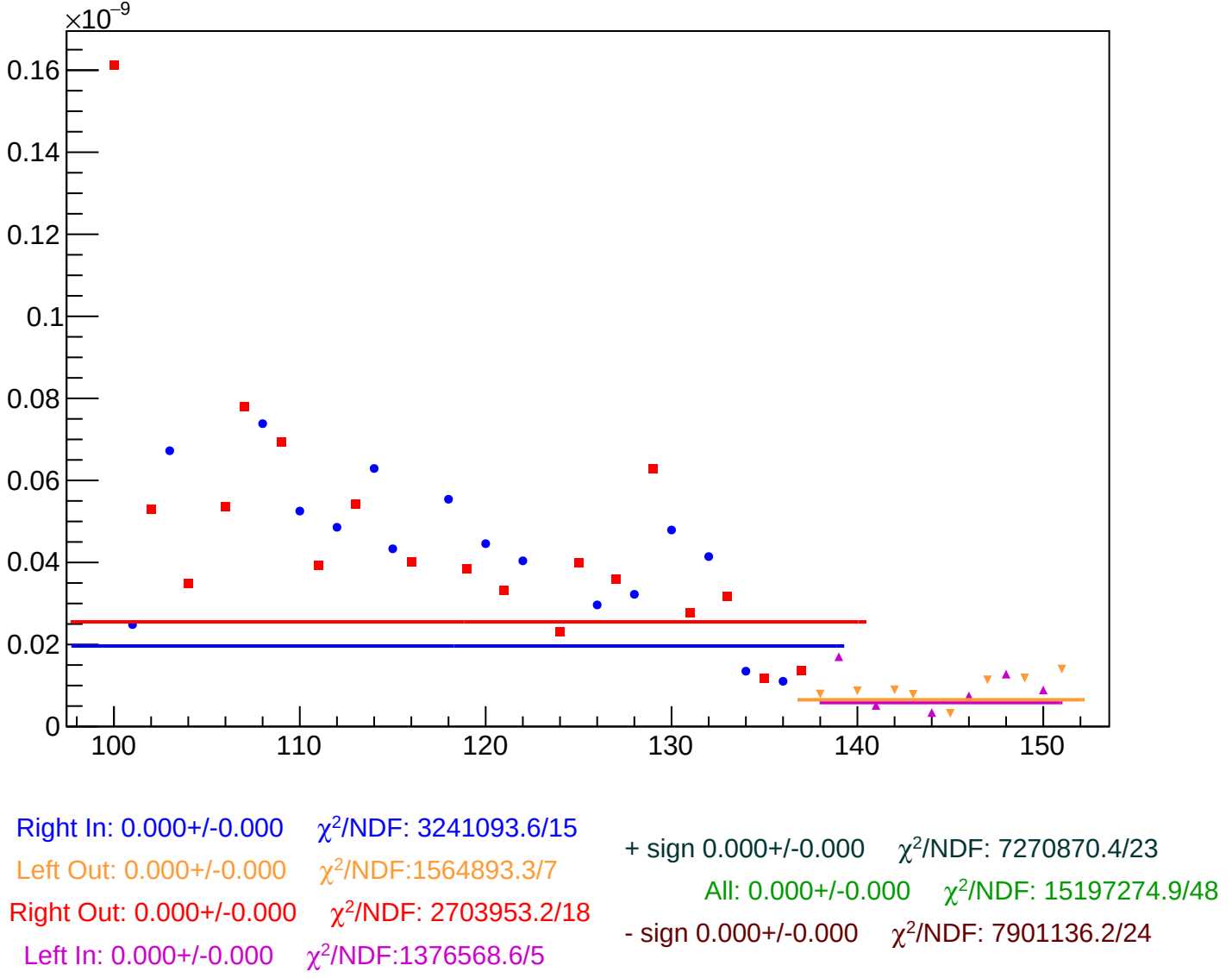
Right Out: -0.000+/-0.000 χ^2/NDF: 18.8/18

Left In: -0.000+/-0.000 χ^2/NDF:0.9/5

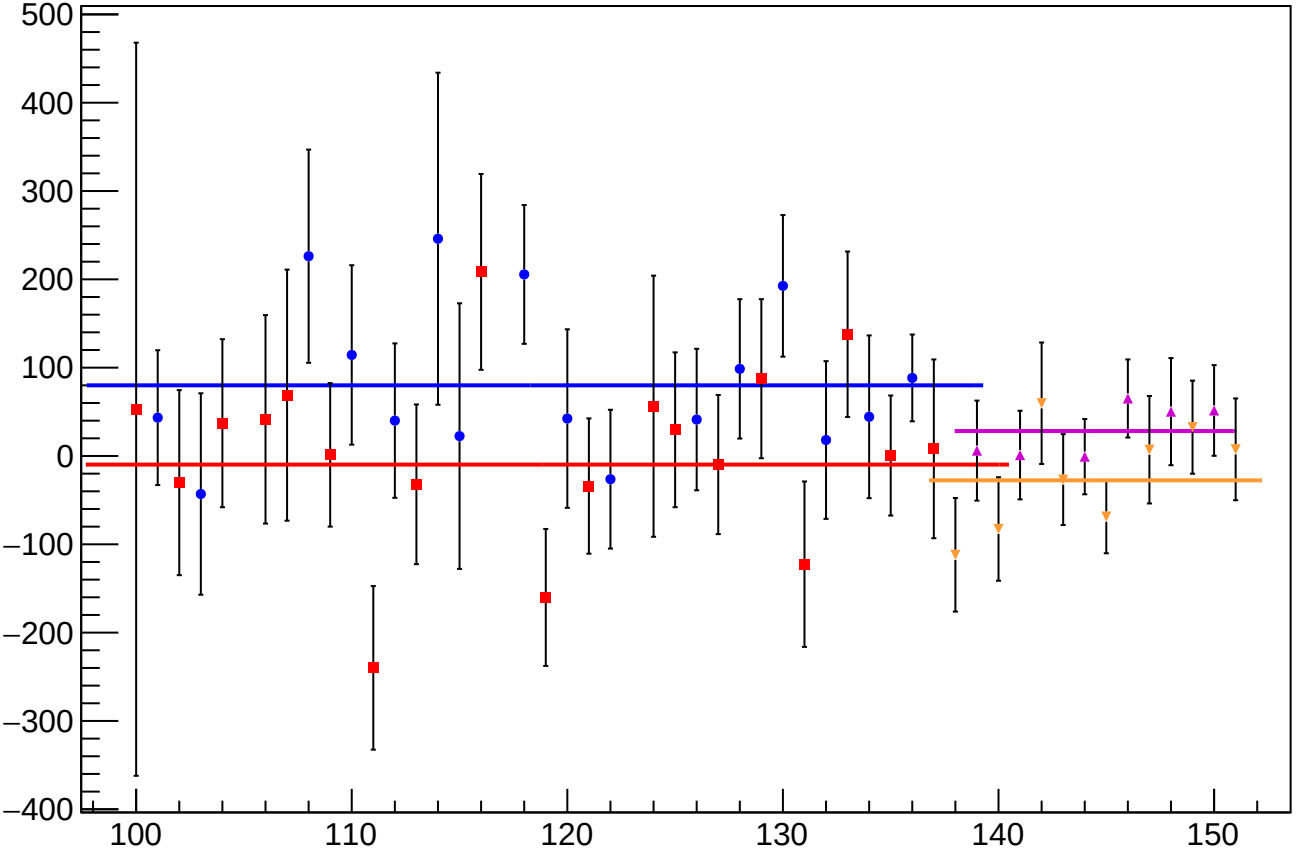
+ sign 0.000+/-0.000 χ^2/NDF: 19.7/23

All: -0.000+/-0.000 χ^2/NDF: 43.4/48

- sign -0.000+/-0.000 χ^2/NDF: 19.7/24


asym_sam_3726_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3241093.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1564893.3/7
Right Out: 0.000+/-0.000 χ²/NDF: 2703953.2/18
Left In: 0.000+/-0.000 χ²/NDF:1376568.6/5
+ sign 0.000+/-0.000 χ²/NDF: 7270870.4/23
All: 0.000+/-0.000 χ²/NDF: 15197274.9/48
- sign 0.000+/-0.000 χ²/NDF: 7901136.2/24

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -27.553+/-19.485 χ^2/NDF:7.2/7

Right Out: -9.730+/-21.617 χ^2/NDF: 20.3/18

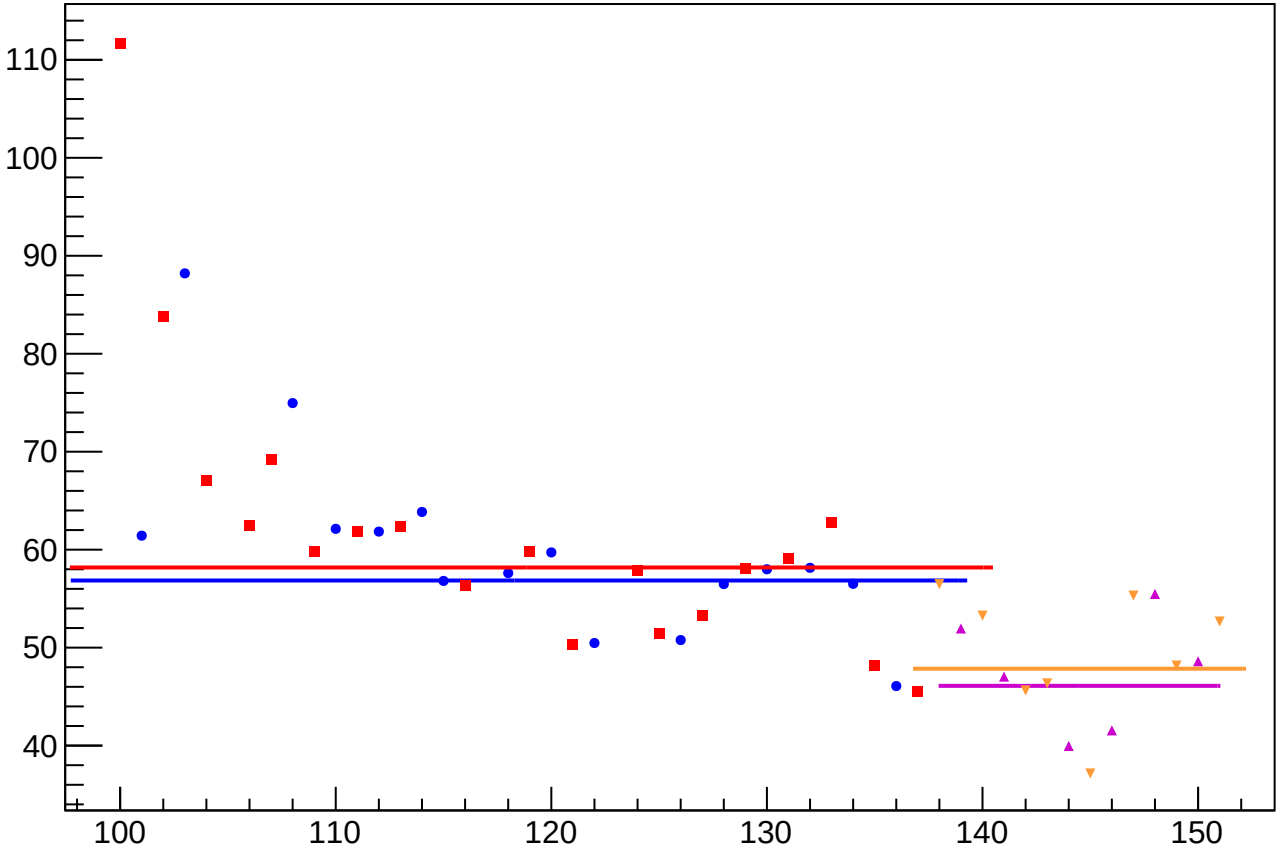
Left In: 28.248+/-20.322 χ^2/NDF:1.9/5

\+ sign 21.008+/-14.430 χ^2/NDF: 32.5/23

All: 15.856+/-10.334 χ^2/NDF: 56.7/48

\- sign 10.432+/-14.806 χ^2/NDF: 23.9/24

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 47.850+/-0.014 χ^2/NDF:234016.1/7

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

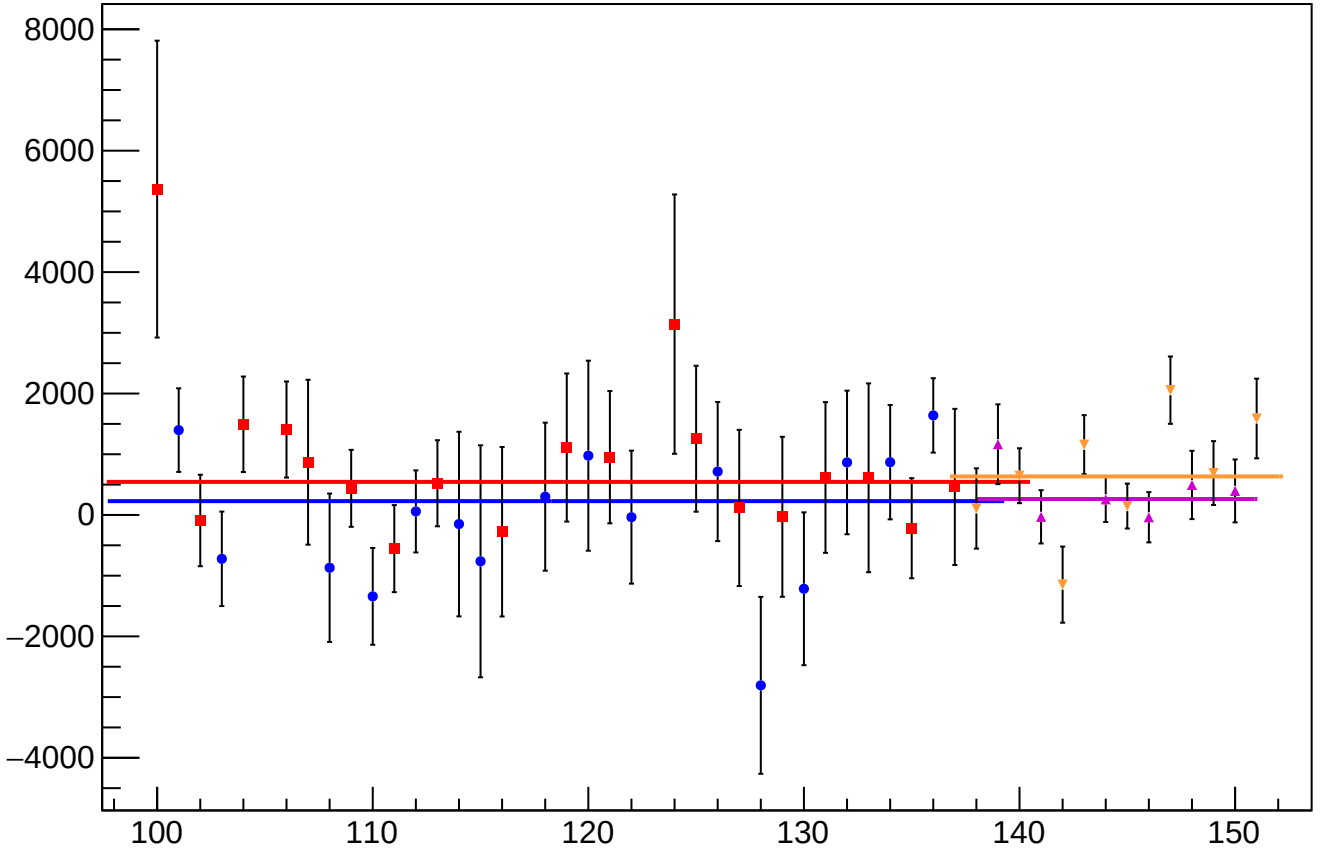
Left In: 46.099+/-0.014 χ^2/NDF:137229.2/5

+ sign 51.916+/-0.010 χ^2/NDF: 768482.2/23

All: 51.843+/-0.007 χ^2/NDF: 1552139.6/48

- sign 51.767+/-0.010 χ^2/NDF: 783554.6/24

asym_sam_15_48_dd_reg_correction_mean vs Slug



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 634.520+/-181.163 χ^2/NDF:20.3/7

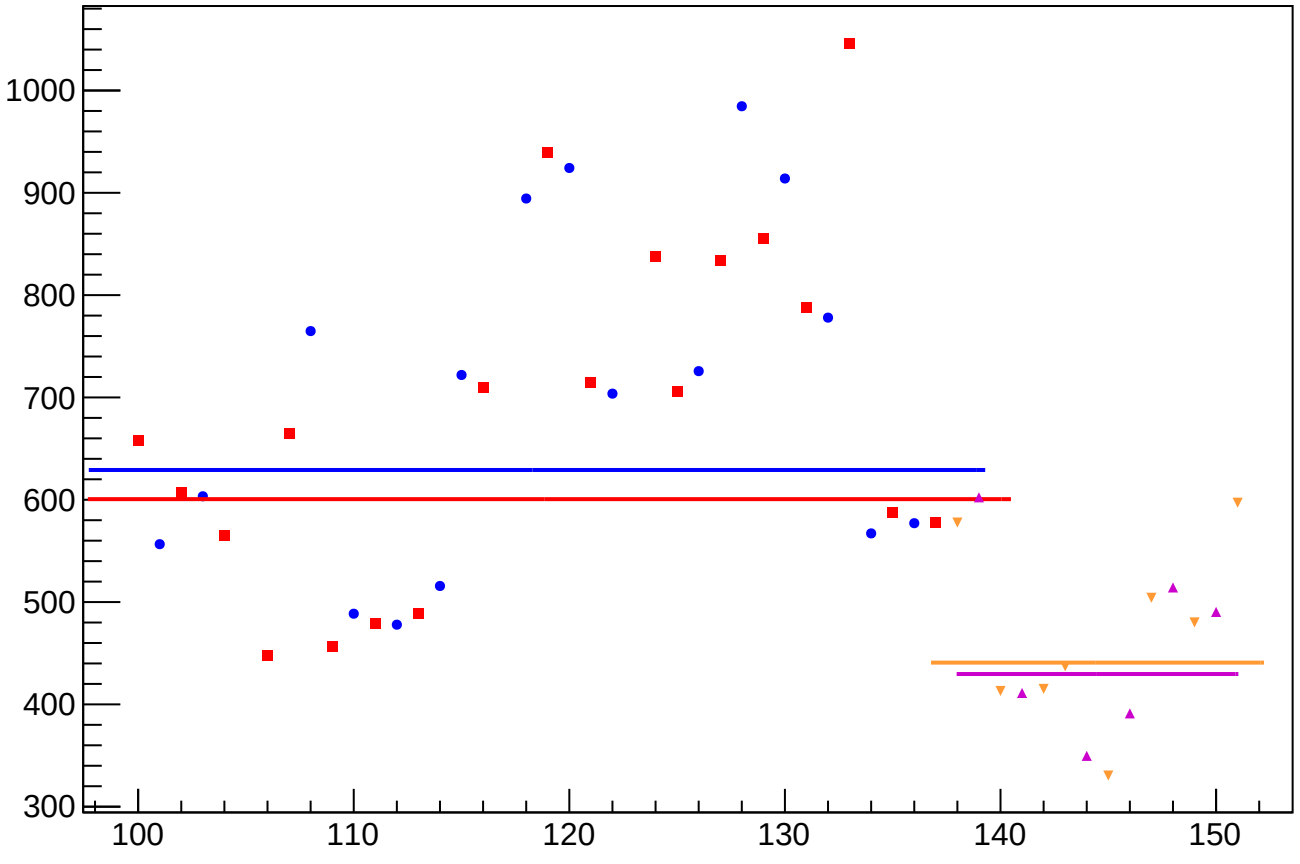
Right Out: 544.769+/-227.243 χ^2/NDF: 13.4/18

Left In: 262.890+/-191.034 χ^2/NDF:3.1/5

+ sign 487.742+/-144.860 χ^2/NDF: 43.8/23

All: 434.185+/-102.912 χ^2/NDF: 61.4/48

- sign 379.610+/-146.228 χ^2/NDF: 17.4/24



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 440.826+/-0.128 χ^2/NDF:425538.7/7

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

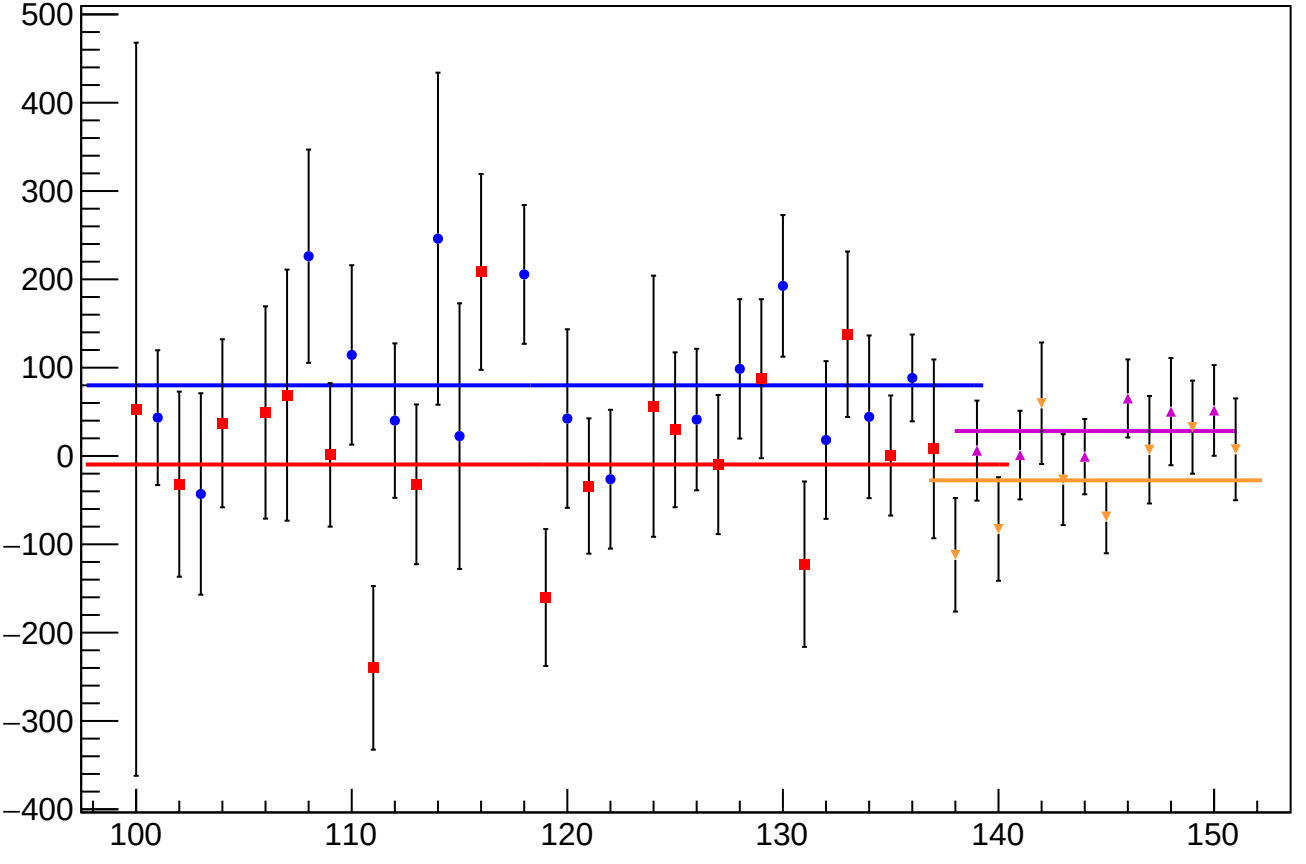
Left In: 429.672+/-0.135 χ^2/NDF:323510.9/5

+ sign 508.720+/-0.102 χ^2/NDF: 1897200.2/23

All: 504.623+/-0.073 χ^2/NDF: 3761504.8/48

- sign 500.447+/-0.103 χ^2/NDF: 1861073.3/24

cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -27.558+/-19.485 χ^2/NDF:7.2/7

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

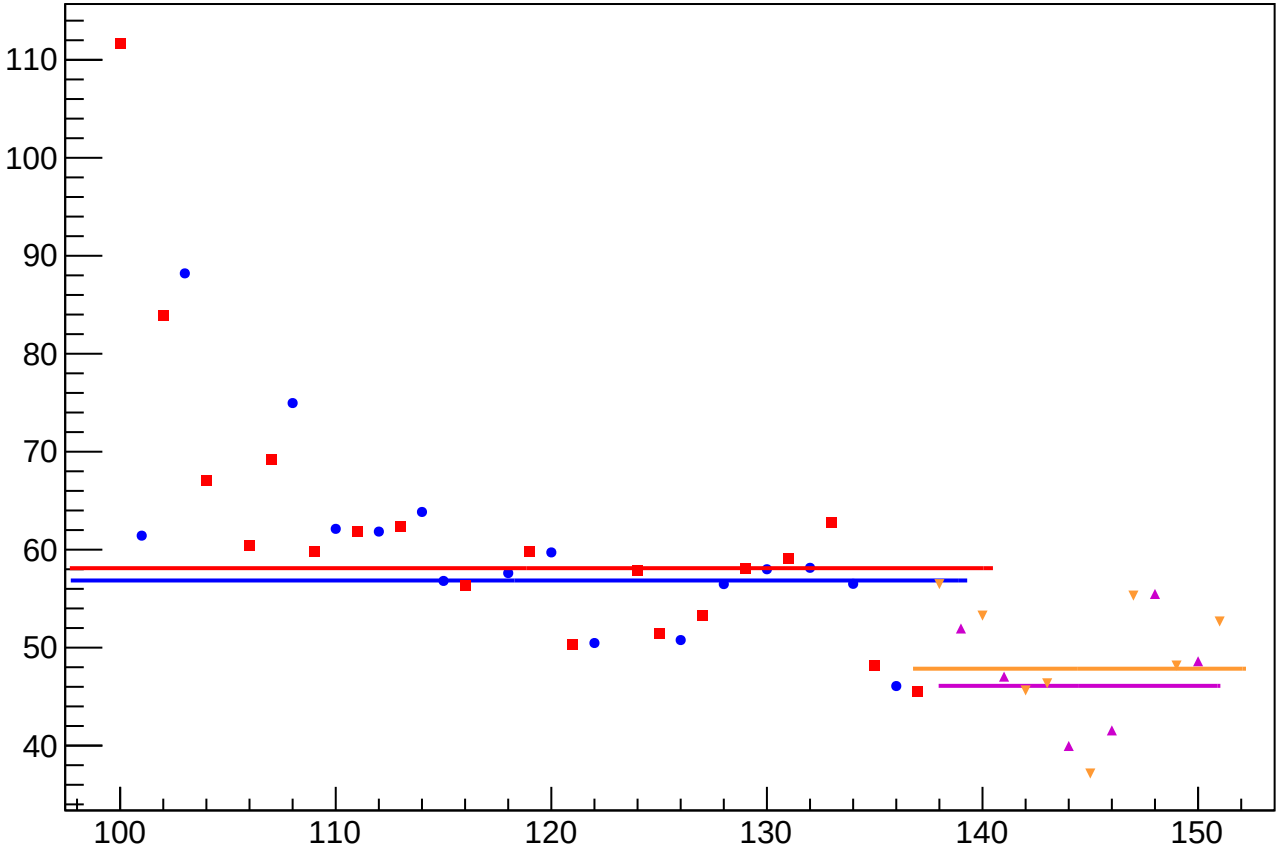
Left In: 28.252+/-20.322 χ^2/NDF:1.9/5

+ sign 21.008+/-14.430 χ^2/NDF: 32.5/23

All: 15.889+/-10.336 χ^2/NDF: 56.7/48

- sign 10.497+/-14.811 χ^2/NDF: 24.0/24

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 47.850+/-0.014 χ^2/NDF:234016.1/7

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

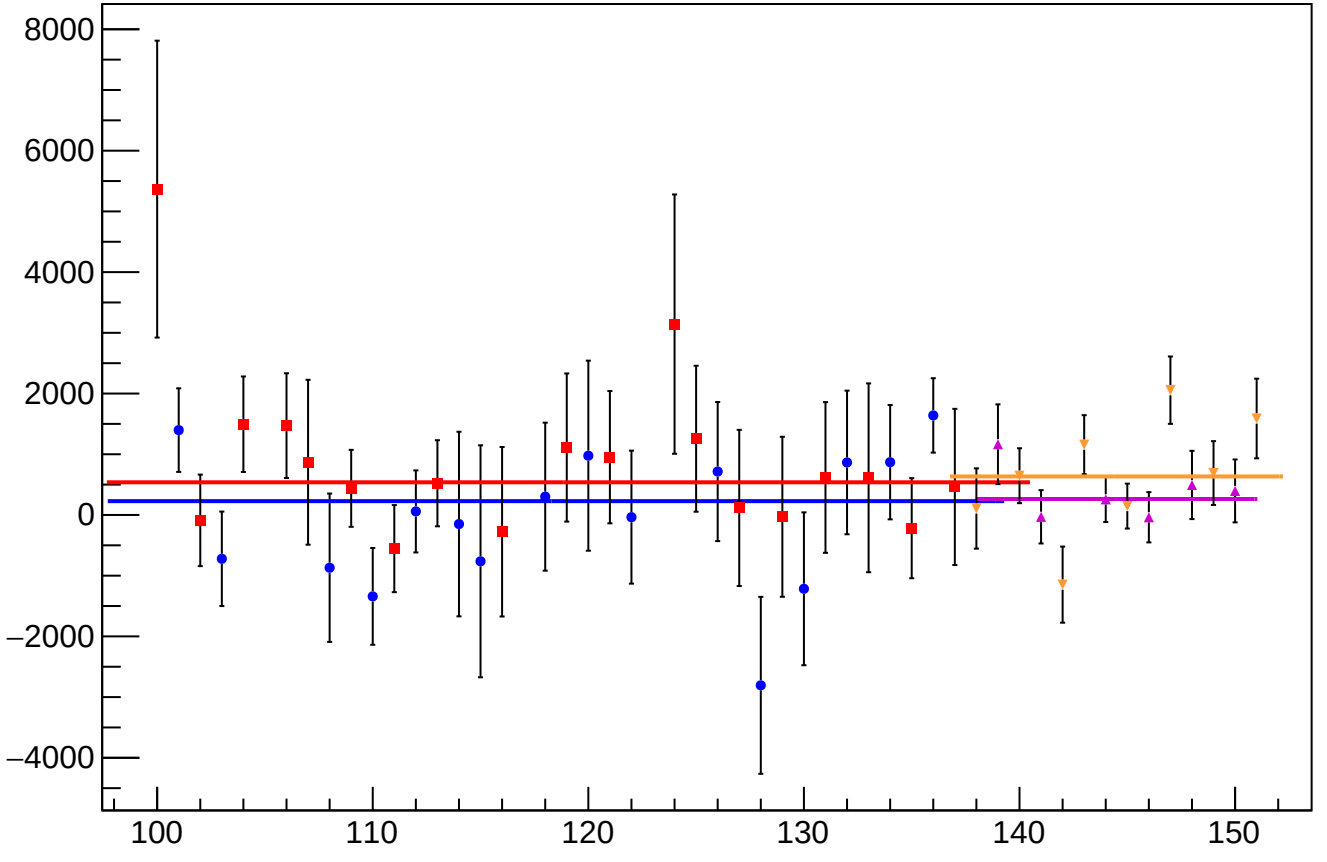
Left In: 46.099+/-0.014 χ^2/NDF:137229.2/5

+ sign 51.916+/-0.010 χ^2/NDF: 768486.2/23

All: 51.825+/-0.007 χ^2/NDF: 1546389.0/48

- sign 51.730+/-0.010 χ^2/NDF: 777742.4/24

asym_sam_15_48_dd_cor_correction_mean vs Slug



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 634.515+/-181.163 χ^2/NDF:20.3/7

Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

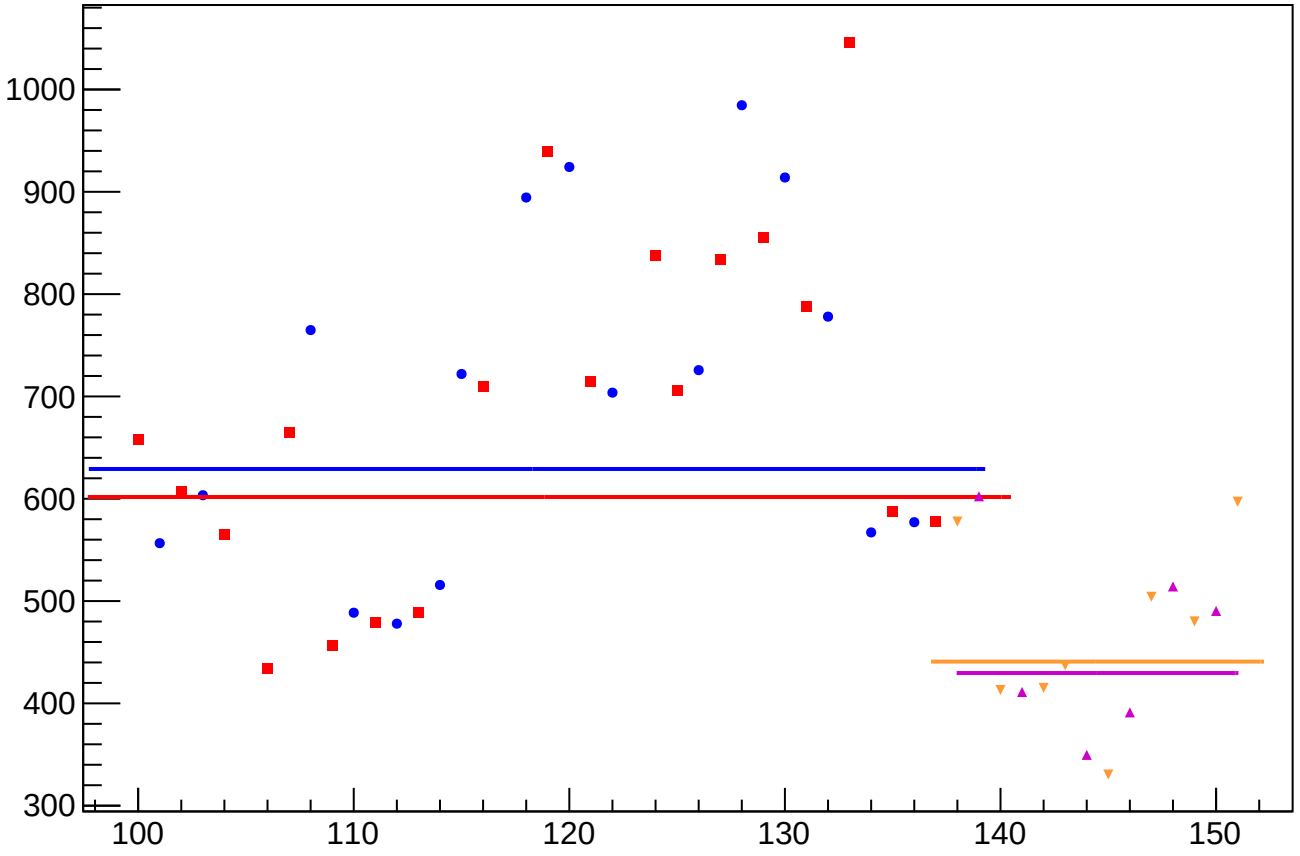
Left In: 262.896+/-191.035 χ^2/NDF:3.1/5

+ sign 487.755+/-144.860 χ^2/NDF: 43.8/23

All: 432.543+/-103.051 χ^2/NDF: 61.4/48

- sign 375.975+/-146.629 χ^2/NDF: 17.3/24

asym_sam_15_48_dd_cor_correction_rms vs Slug



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 440.826+/-0.128 χ^2/NDF:425540.8/7

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

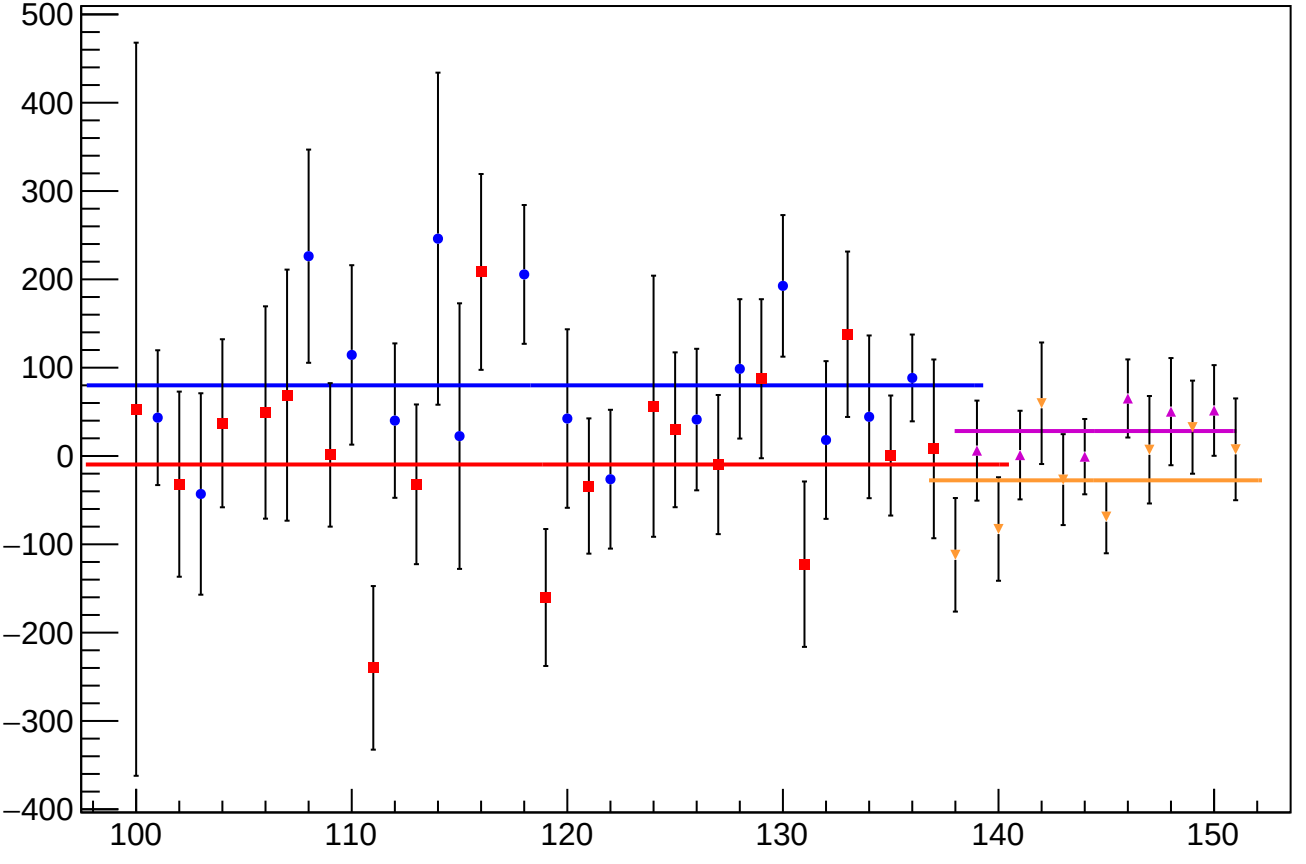
Left In: 429.673+/-0.135 χ^2/NDF:323510.1/5

+ sign 508.721+/-0.102 χ^2/NDF: 1897227.3/23

All: 504.592+/-0.073 χ^2/NDF: 3764578.3/48

- sign 500.361+/-0.104 χ^2/NDF: 1864060.7/24

eigen_cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -27.558+/-19.485 χ^2/NDF:7.2/7

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

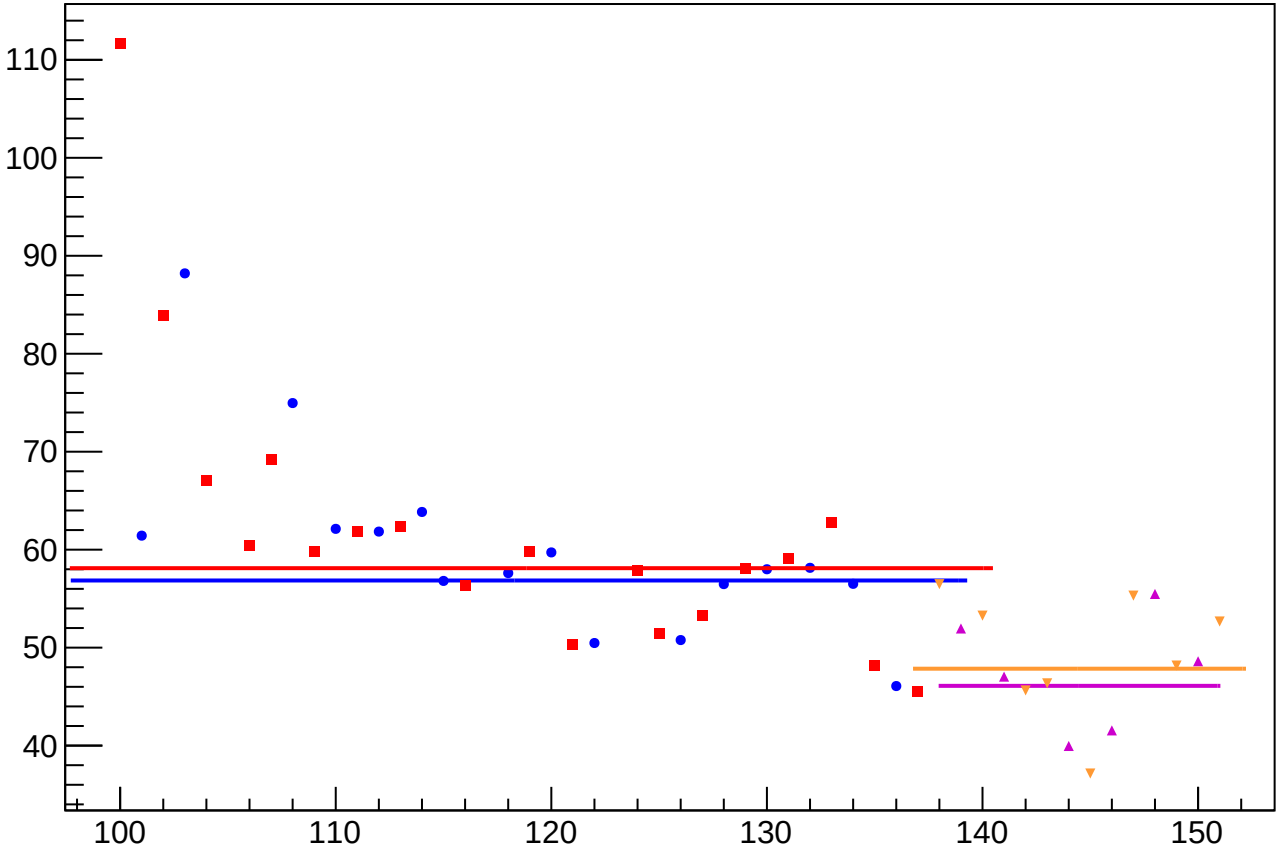
Left In: 28.252+/-20.322 χ^2/NDF:1.9/5

+ sign 21.008+/-14.430 χ^2/NDF: 32.5/23

All: 15.889+/-10.336 χ^2/NDF: 56.7/48

- sign 10.497+/-14.811 χ^2/NDF: 24.0/24

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 47.850+/-0.014 χ^2/NDF:234016.1/7

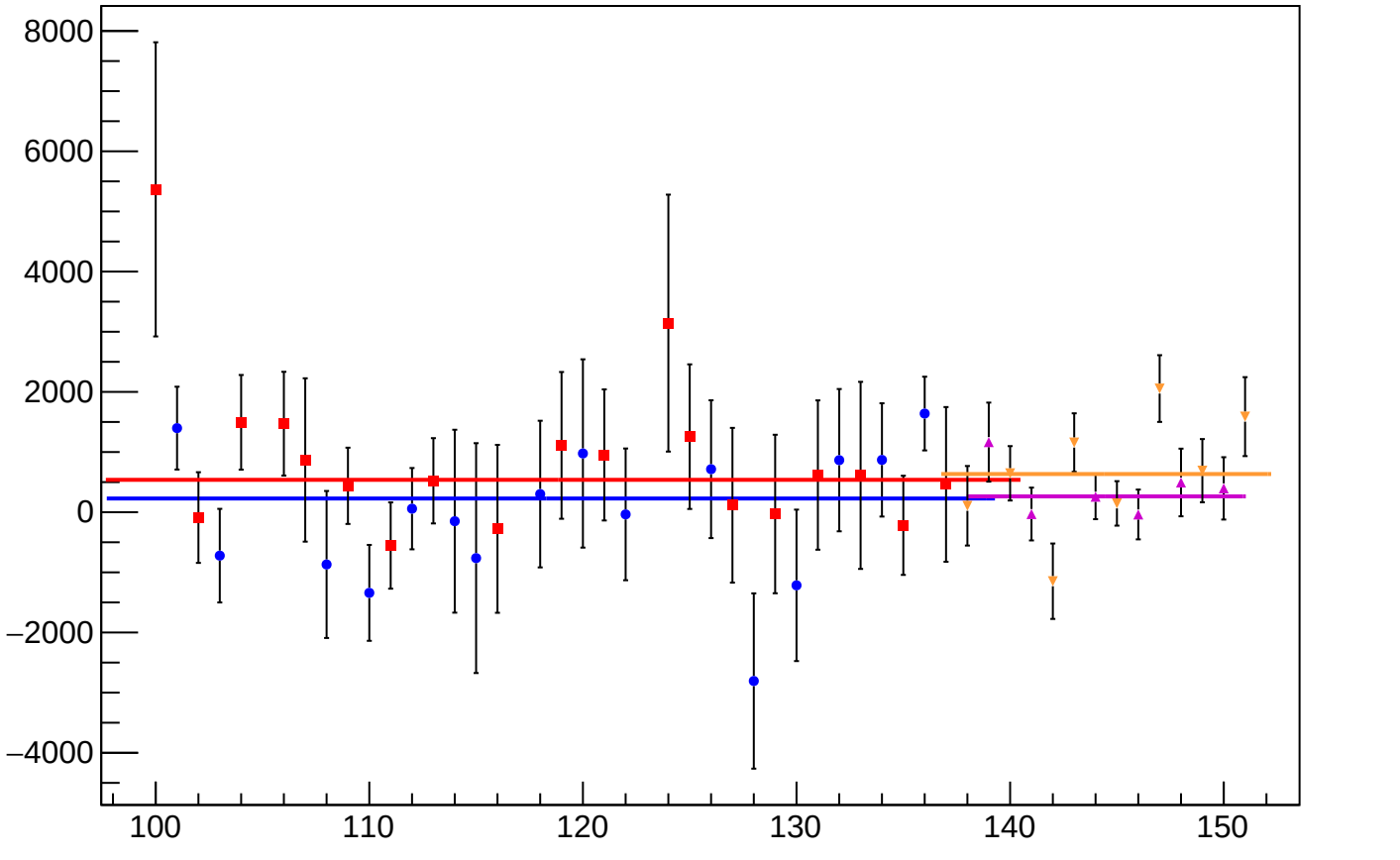
Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 46.099+/-0.014 χ^2/NDF:137229.2/5

+ sign 51.916+/-0.010 χ^2/NDF: 768486.2/23

All: 51.825+/-0.007 χ^2/NDF: 1546389.0/48

- sign 51.730+/-0.010 χ^2/NDF: 777742.4/24



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 634.515+/-181.163 χ^2/NDF:20.3/7

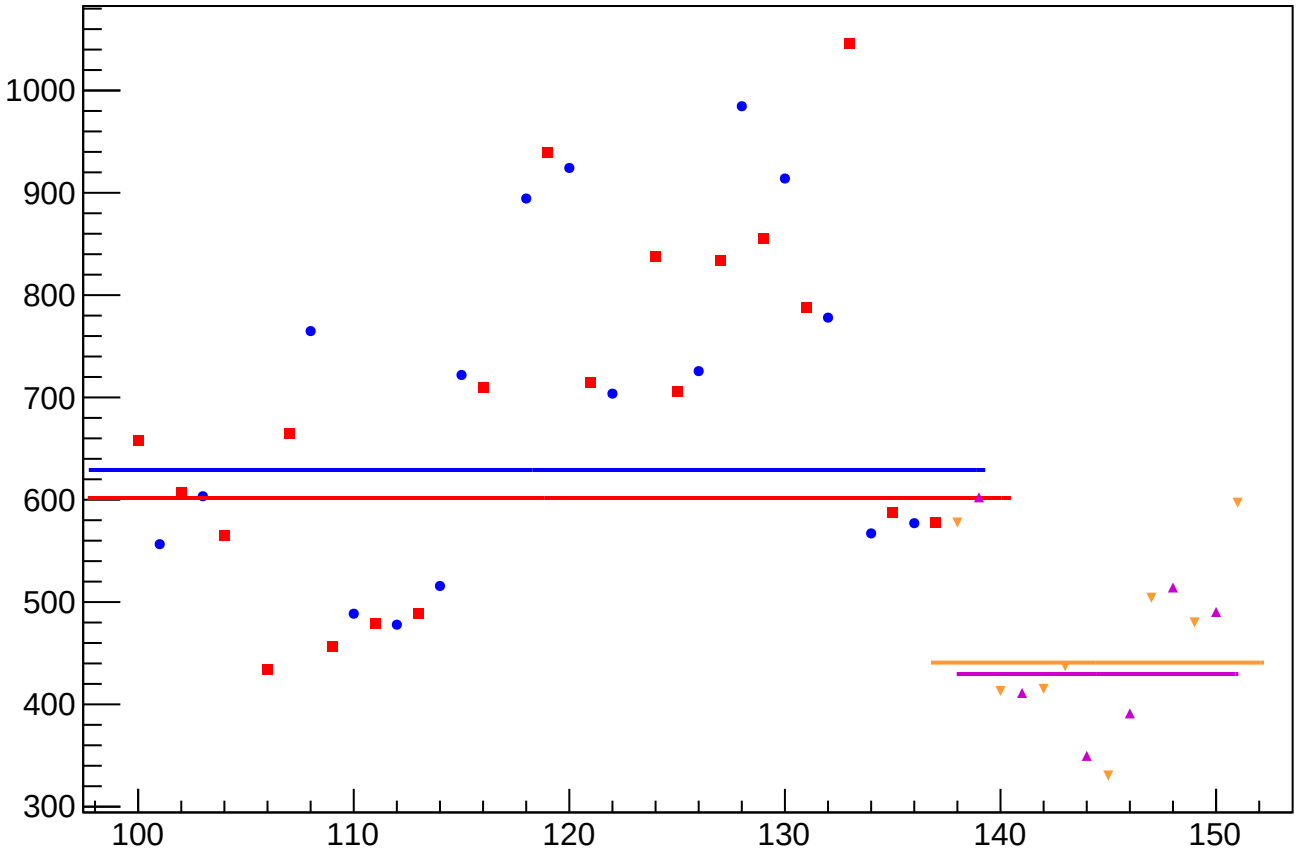
Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: 262.896+/-191.035 χ^2/NDF:3.1/5

\+ sign 487.755+/-144.860 χ^2/NDF: 43.8/23

All: 432.543+/-103.051 χ^2/NDF: 61.4/48

\- sign 375.975+/-146.629 χ^2/NDF: 17.3/24



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 440.826+/-0.128 χ^2/NDF:425540.8/7

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

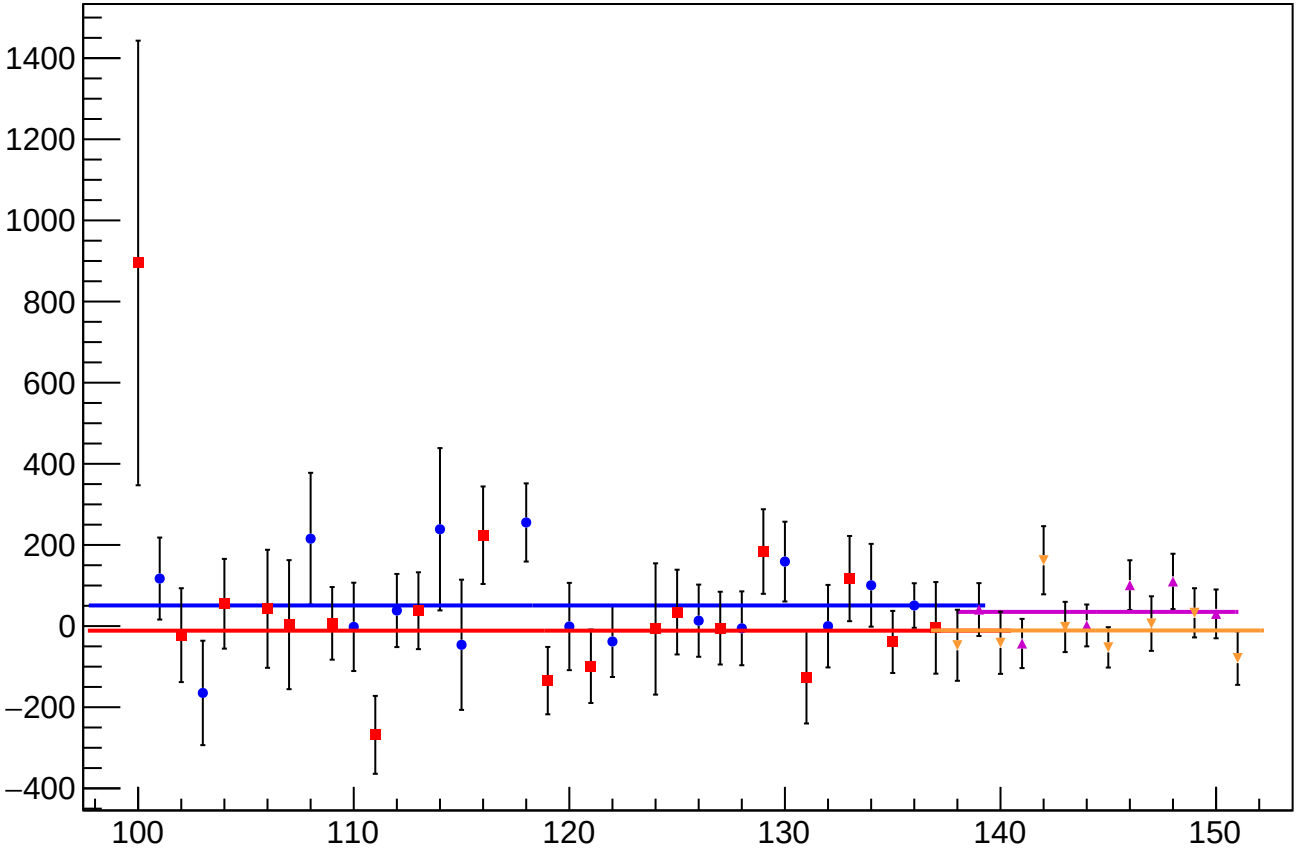
Left In: 429.673+/-0.135 χ^2/NDF:323510.1/5

+ sign 508.721+/-0.102 χ^2/NDF: 1897227.3/23

All: 504.592+/-0.073 χ^2/NDF: 3764578.3/48

- sign 500.361+/-0.104 χ^2/NDF: 1864060.7/24

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: -10.788+/-23.383 χ^2/NDF:6.9/7

Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

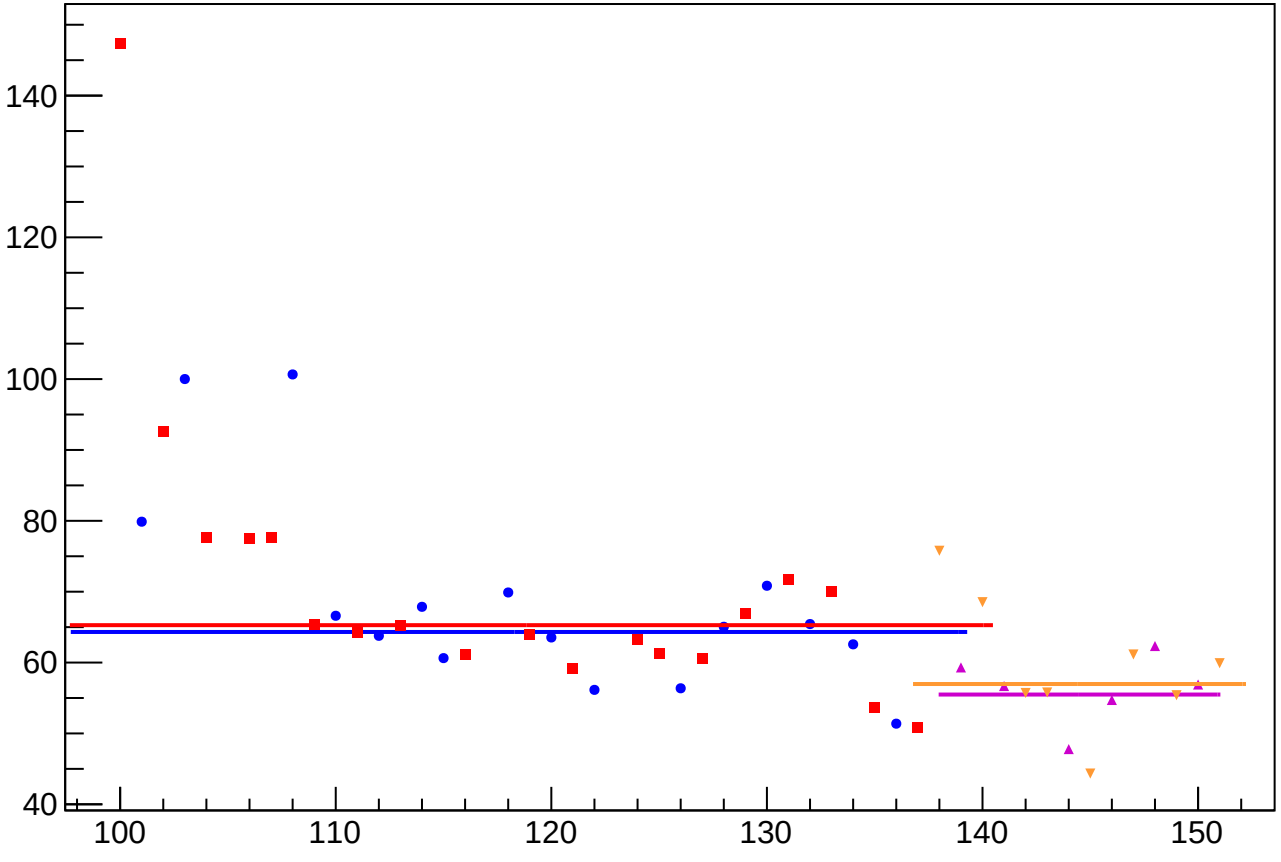
Left In: 34.988+/-24.697 χ^2/NDF:4.4/5

+ sign 18.609+/-16.913 χ^2/NDF: 24.1/23

All: 15.147+/-12.104 χ^2/NDF: 54.4/48

- sign 11.513+/-17.330 χ^2/NDF: 30.2/24

dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 56.973+/-0.017 χ^2/NDF:280496.0/7

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

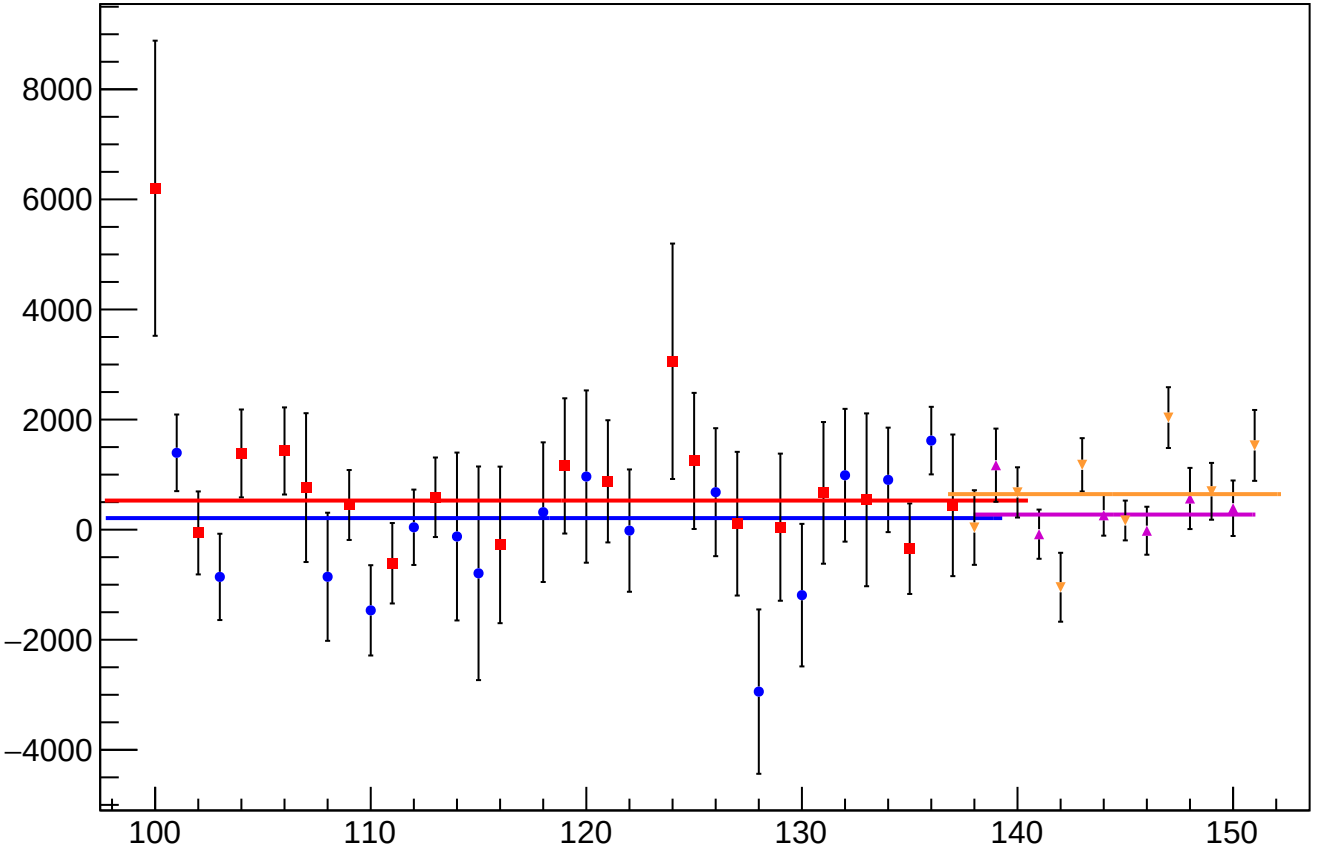
Left In: 55.487+/-0.017 χ^2/NDF:73723.0/5

+ sign 60.475+/-0.012 χ^2/NDF: 839526.0/23

All: 60.466+/-0.009 χ^2/NDF: 1391929.1/48

- sign 60.457+/-0.012 χ^2/NDF: 552402.0/24

asym_sam_15_48_dd_dit_correction_mean vs Slug



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 645.455+/-179.911 χ^2/NDF:19.3/7

Right Out: 528.675+/-229.679 χ^2/NDF: 13.8/18

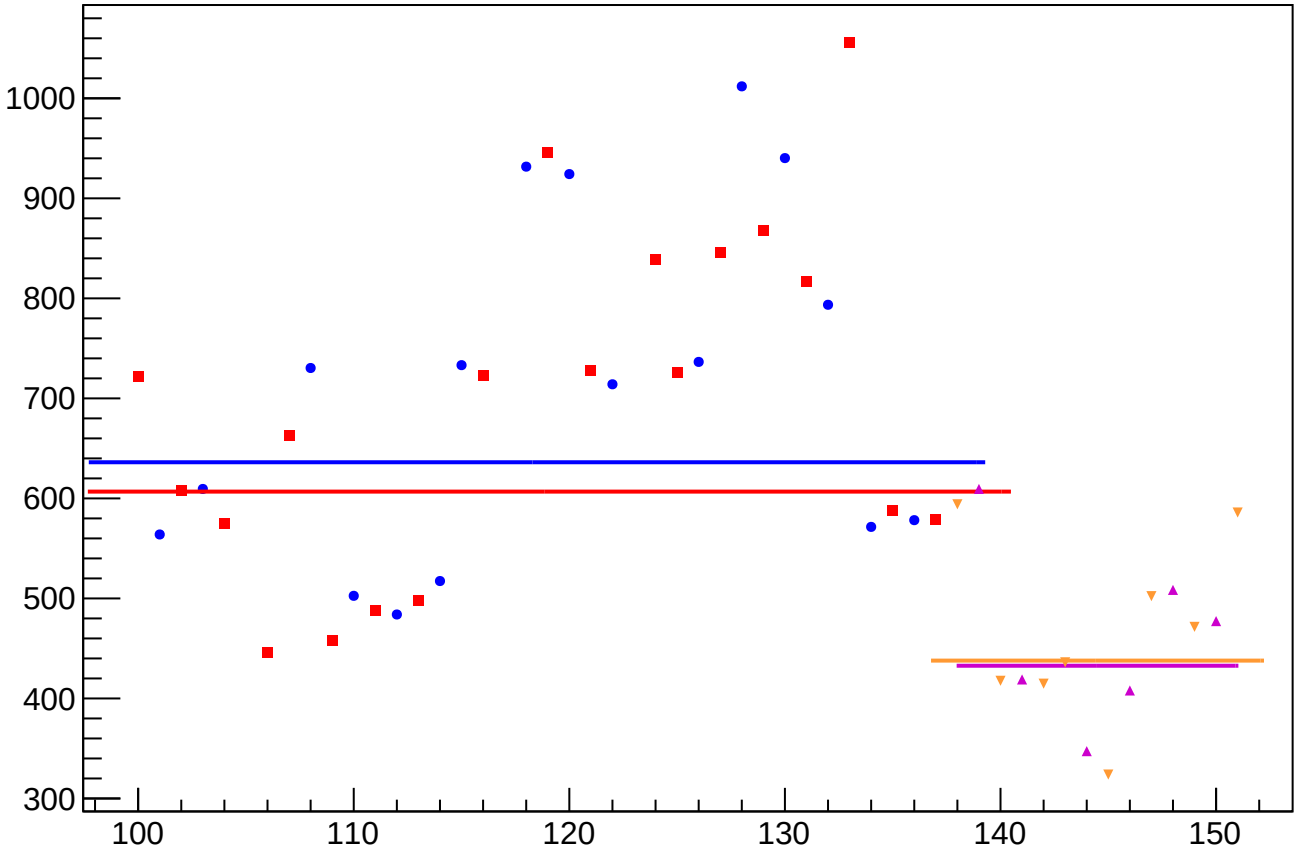
Left In: 274.265+/-192.478 χ^2/NDF:3.2/5

+ sign 491.932+/-144.762 χ^2/NDF: 43.8/23

All: 436.643+/-103.325 χ^2/NDF: 61.9/48

- sign 379.224+/-147.524 χ^2/NDF: 17.8/24

asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 437.842+/-0.127 χ^2/NDF:453148.0/7

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

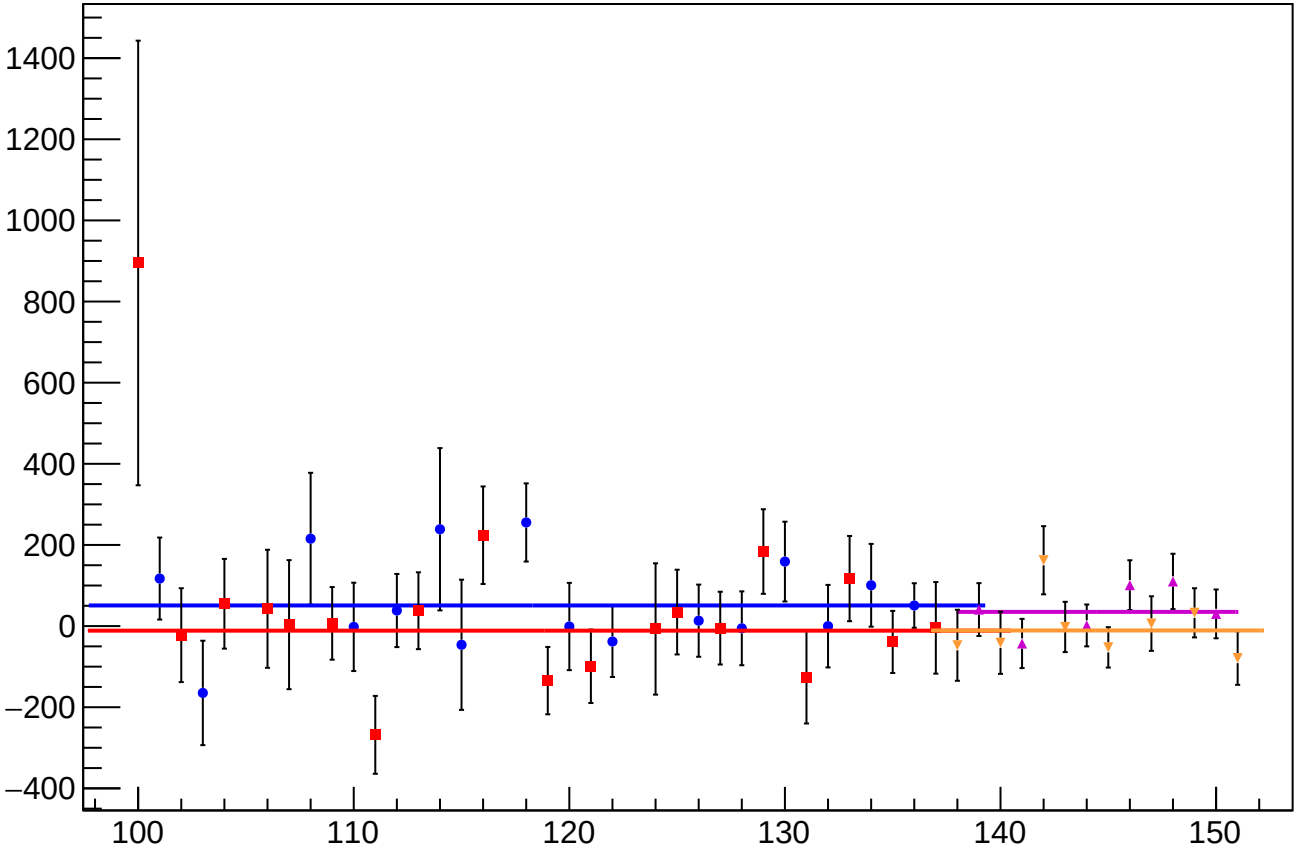
Left In: 432.712+/-0.136 χ^2/NDF:308860.9/5

+ sign 507.758+/-0.102 χ^2/NDF: 2015063.2/23

All: 506.177+/-0.073 χ^2/NDF: 3893287.4/48

- sign 504.535+/-0.104 χ^2/NDF: 1877737.9/24

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: -10.788+/-23.383 χ^2/NDF:6.9/7

Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

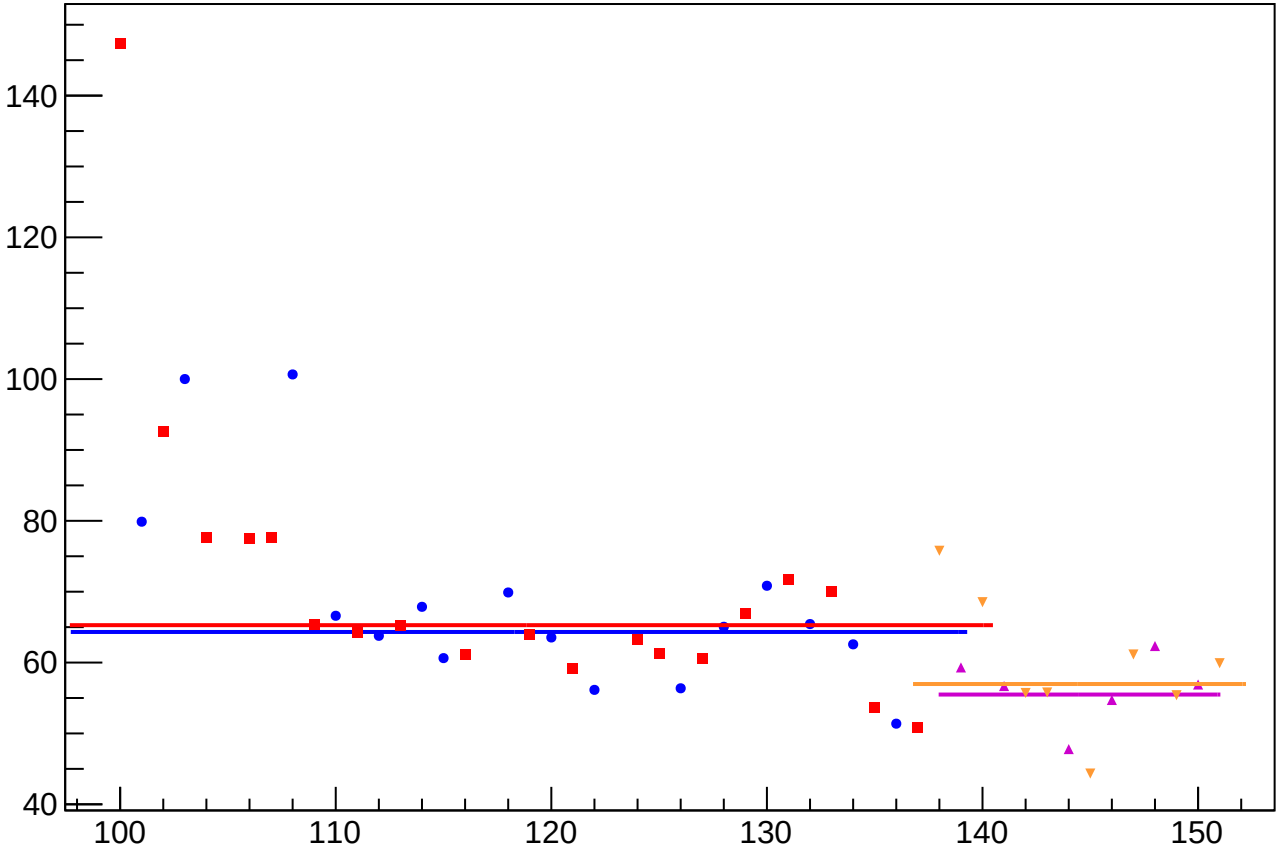
Left In: 34.988+/-24.697 χ^2/NDF:4.4/5

+ sign 18.609+/-16.913 χ^2/NDF: 24.1/23

All: 15.147+/-12.104 χ^2/NDF: 54.4/48

- sign 11.512+/-17.330 χ^2/NDF: 30.2/24

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 56.973+/-0.017 χ^2/NDF:280482.4/7

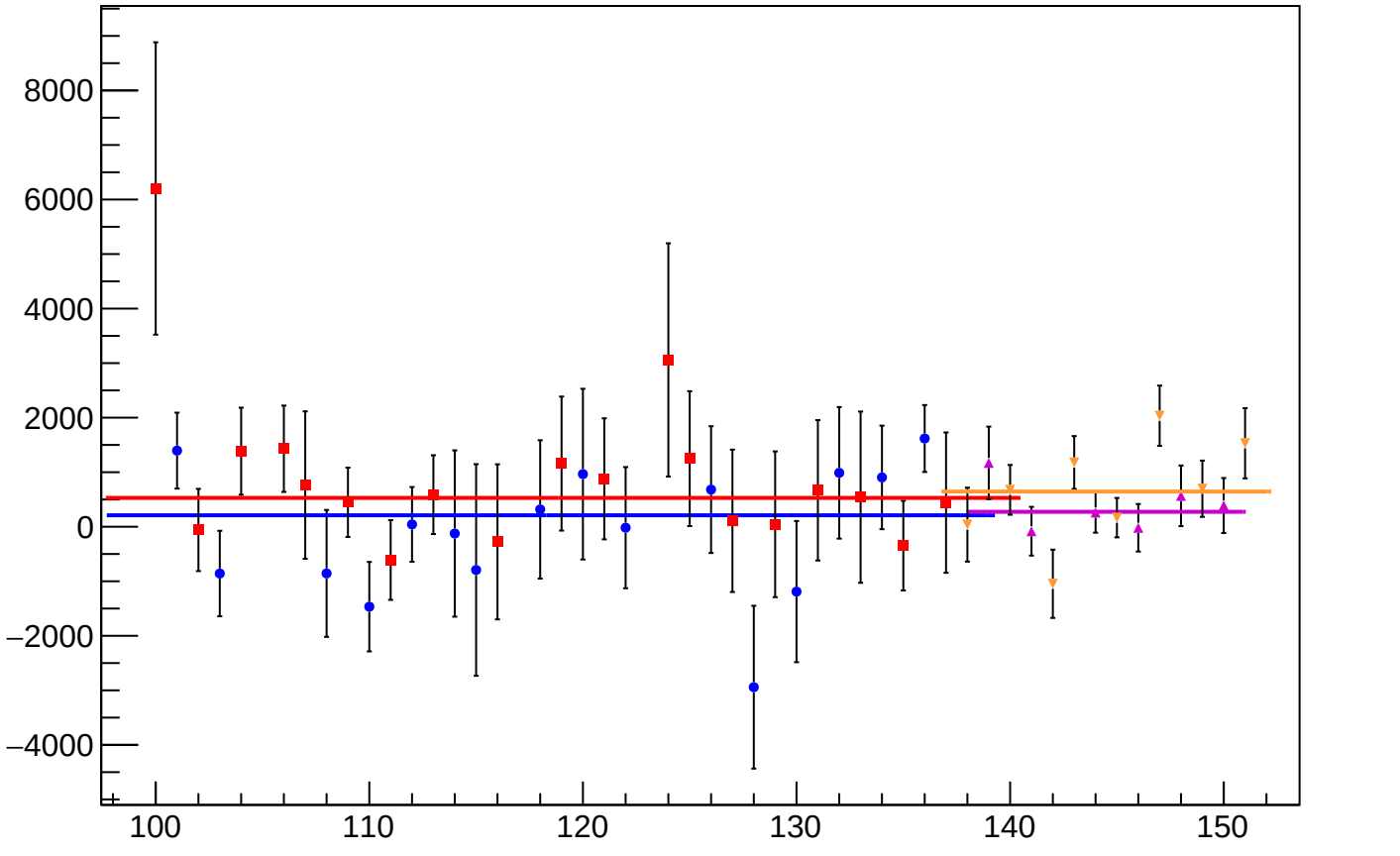
Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 55.487+/-0.017 χ^2/NDF:73718.1/5

+ sign 60.475+/-0.012 χ^2/NDF: 839505.1/23

All: 60.466+/-0.009 χ^2/NDF: 1391901.7/48

- sign 60.457+/-0.012 χ^2/NDF: 552395.5/24



Right In: 210.017+/-243.798 χ^2/NDF: 22.4/15

Left Out: 645.454+/-179.911 χ^2/NDF:19.3/7

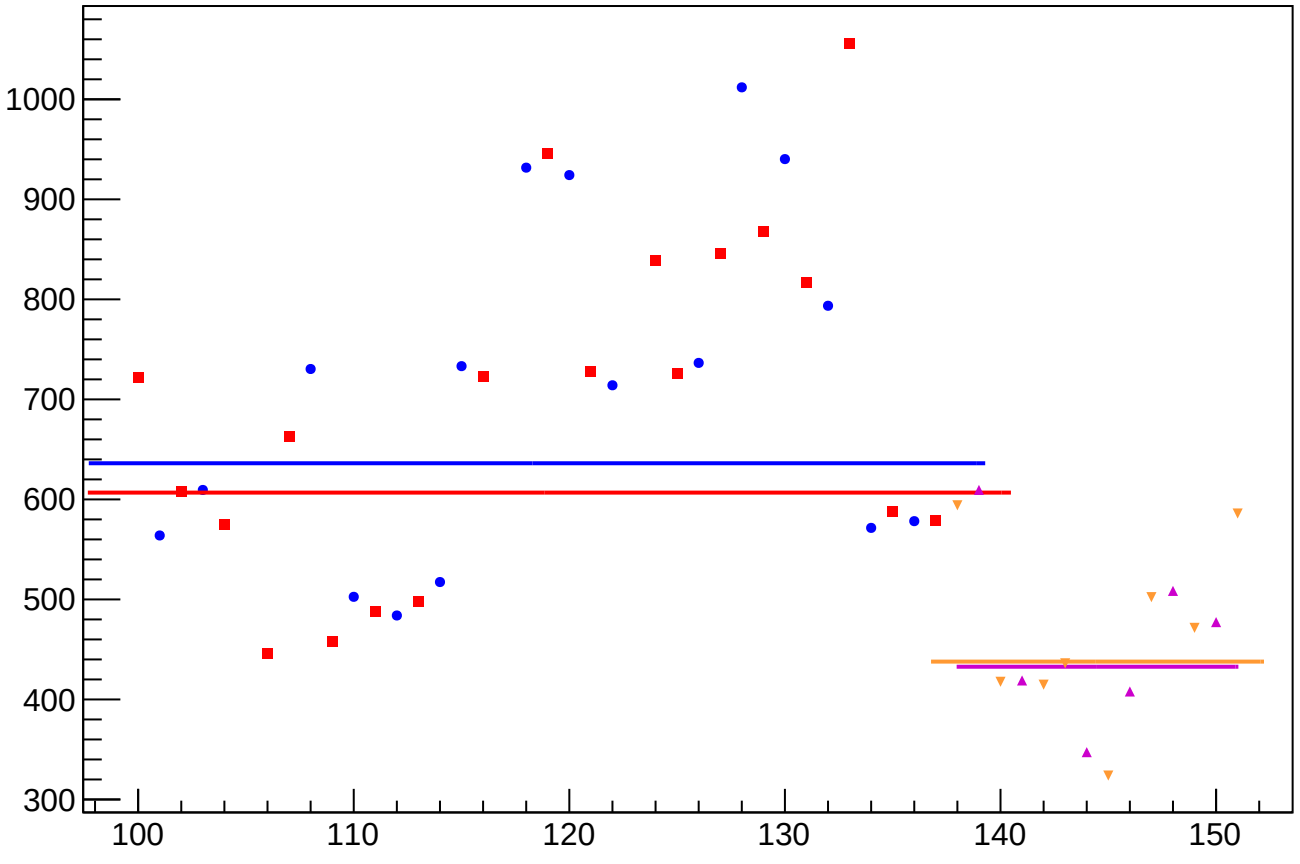
Right Out: 528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: 274.265+/-192.478 χ^2/NDF:3.2/5

\+ sign 491.931+/-144.761 χ^2/NDF: 43.8/23

All: 436.643+/-103.325 χ^2/NDF: 61.9/48

\- sign 379.224+/-147.524 χ^2/NDF: 17.8/24



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 437.841+/-0.127 χ^2/NDF:453153.1/7

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

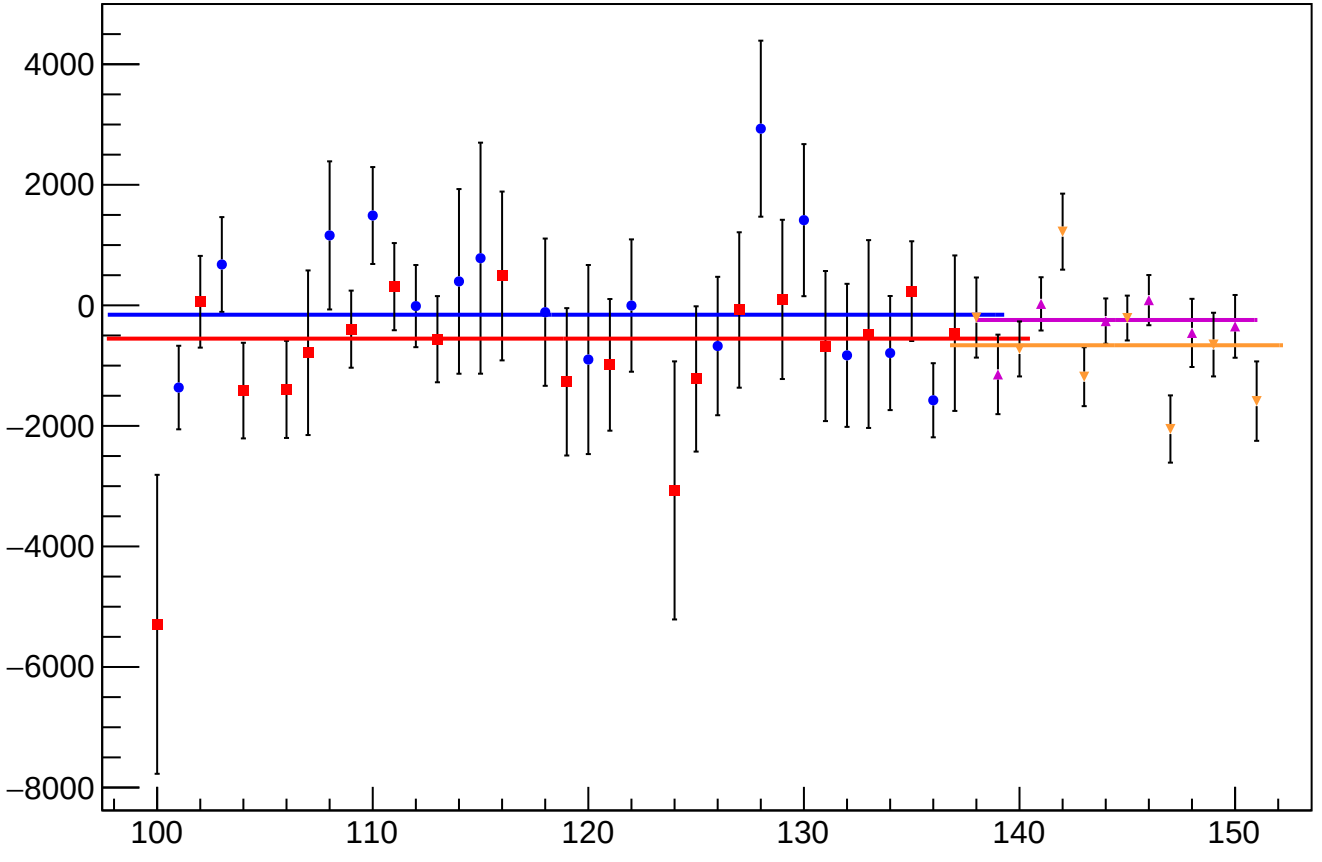
Left In: 432.712+/-0.136 χ^2/NDF:308862.2/5

+ sign 507.757+/-0.102 χ^2/NDF: 2015076.4/23

All: 506.176+/-0.073 χ^2/NDF: 3893304.5/48

- sign 504.534+/-0.104 χ^2/NDF: 1877742.0/24

asym_sam_15_48_dd_mean vs Slug



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -662.112+/-182.281 χ^2/NDF:20.2/7

Right Out: -552.176+/-228.890 χ^2/NDF: 12.1/18

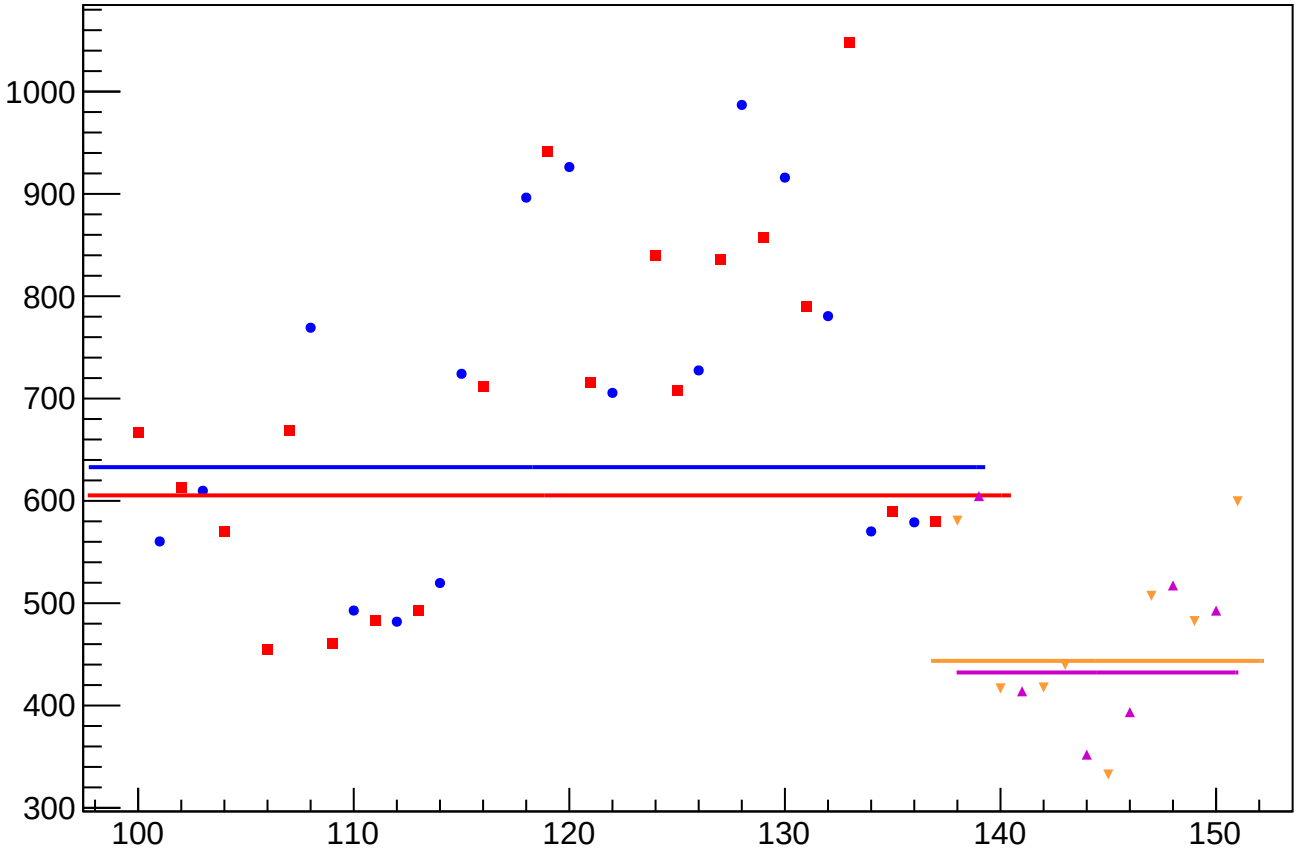
Left In: -242.855+/-192.174 χ^2/NDF:3.1/5

+ sign -479.357+/-145.729 χ^2/NDF: 45.5/23

All: -425.589+/-103.554 χ^2/NDF: 62.0/48

- sign -370.747+/-147.178 χ^2/NDF: 16.3/24

asym_sam_15_48_dd_rms vs Slug



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 443.626+/-0.129 χ^2/NDF:422425.4/7

Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

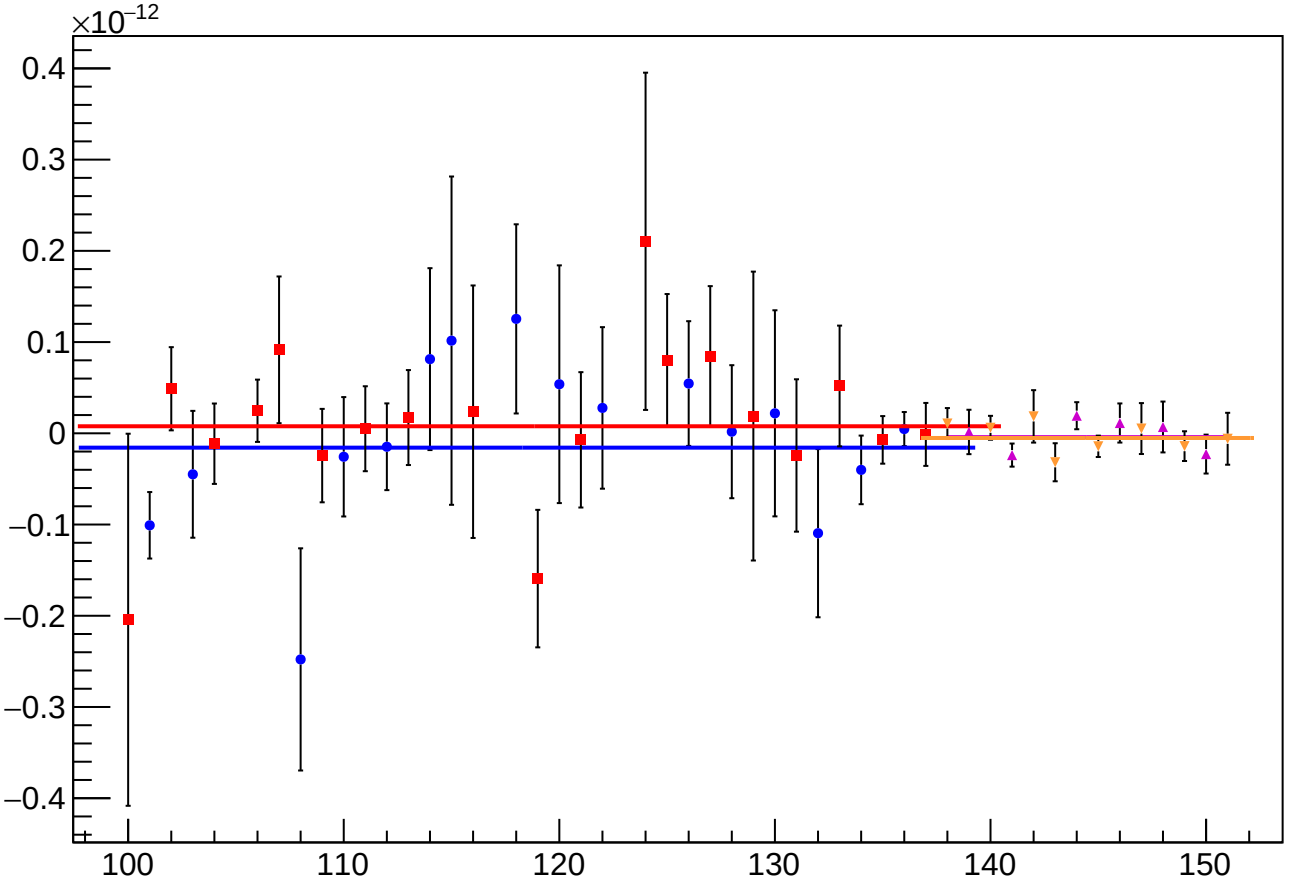
Left In: 432.302+/-0.136 χ^2/NDF:320899.7/5

+ sign 511.949+/-0.103 χ^2/NDF: 1882234.1/23

All: 507.945+/-0.073 χ^2/NDF: 3730871.1/48

- sign 503.860+/-0.104 χ^2/NDF: 1845586.2/24

asym_sam_15_48_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.0/7

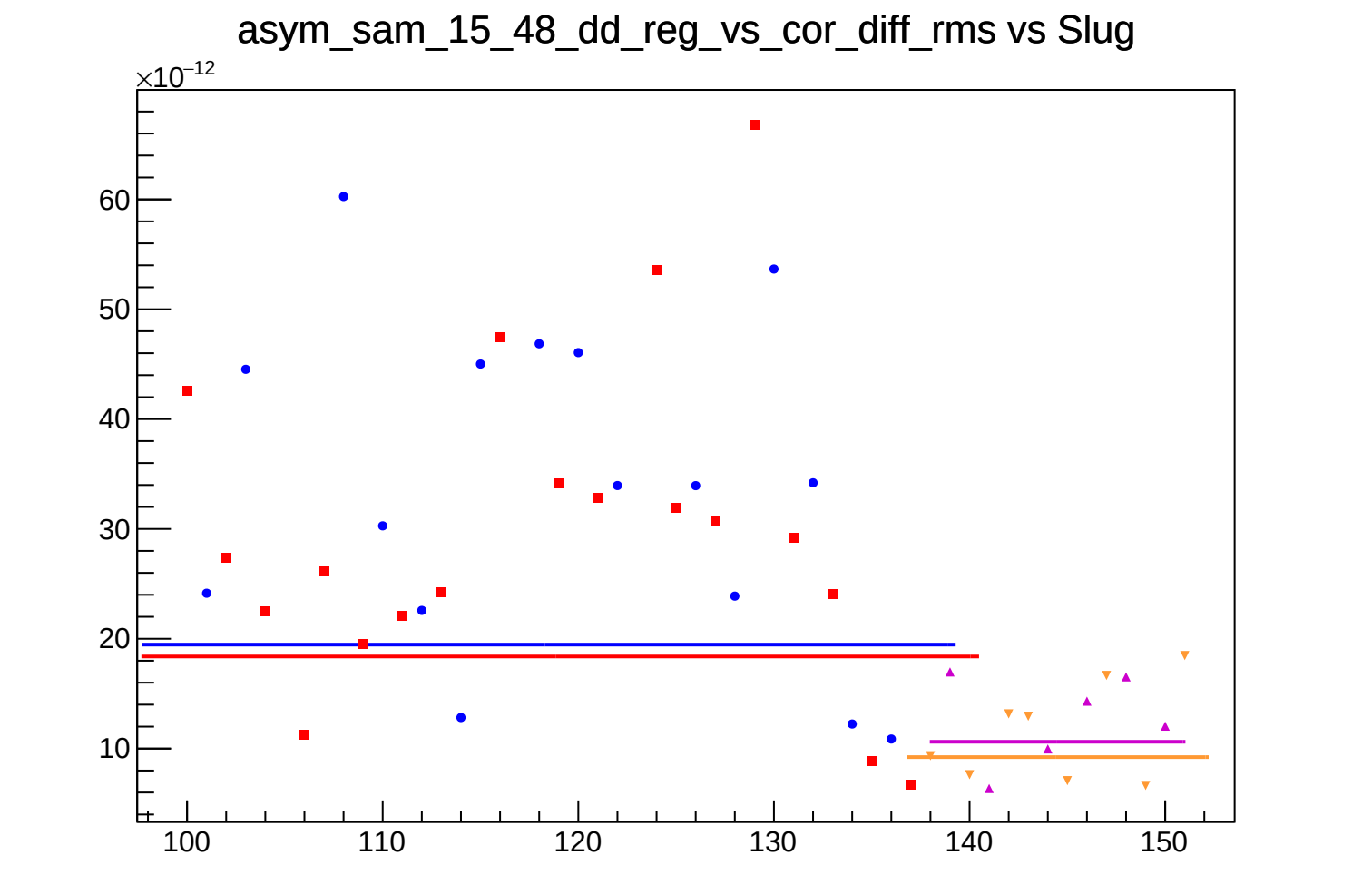
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:6.4/5

+ sign -0.000+/-0.000 χ^2/NDF: 22.4/23

All: -0.000+/-0.000 χ^2/NDF: 43.1/48

- sign -0.000+/-0.000 χ^2/NDF: 20.1/24



Right In: 0.000+/-0.000 χ^2/NDF: 1735565.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:601469.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1444777.6/18

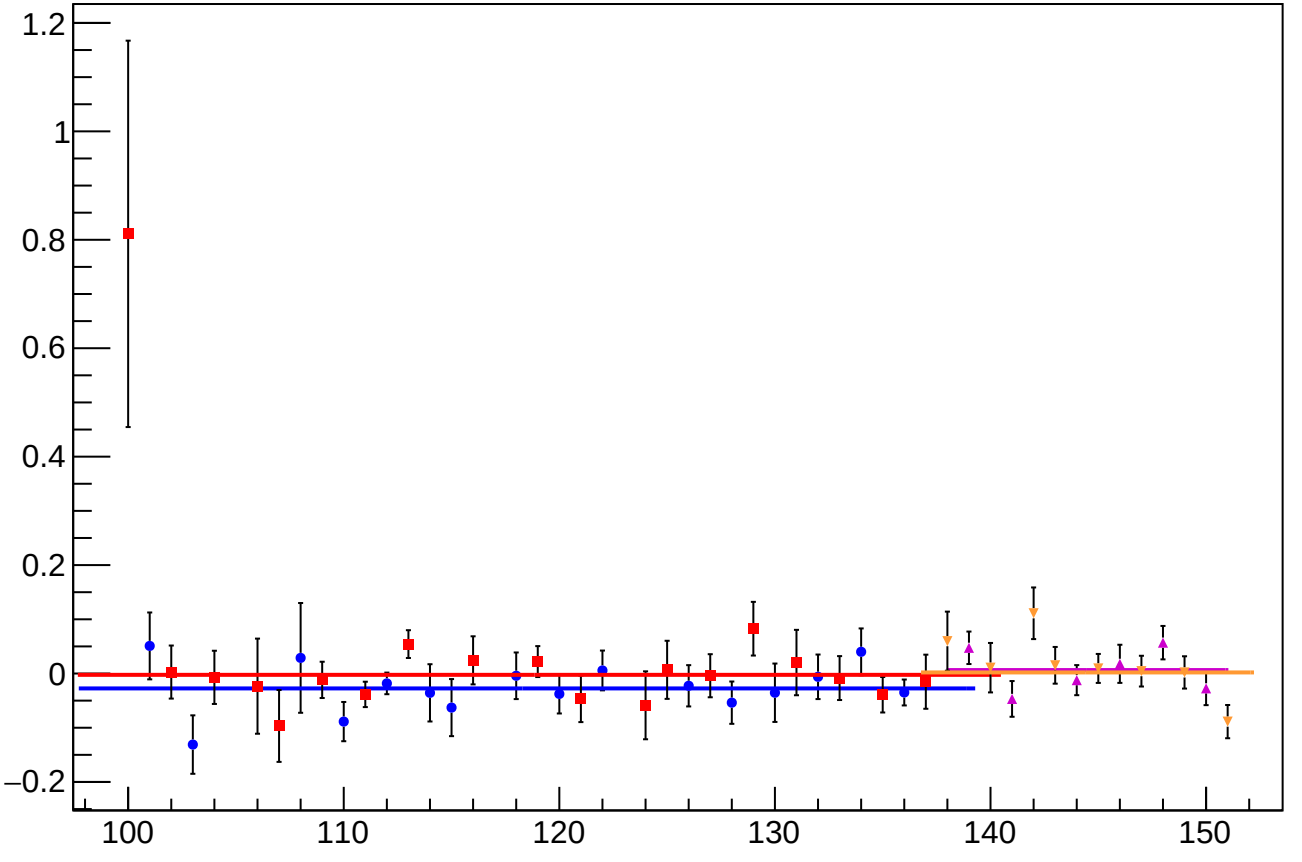
Left In: 0.000+/-0.000 χ^2/NDF:524733.1/5

+ sign 0.000+/-0.000 χ^2/NDF: 3402534.0/23

All: 0.000+/-0.000 χ^2/NDF: 6032382.2/48

- sign 0.000+/-0.000 χ^2/NDF: 2563387.3/24

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: 0.002+/-0.012 χ^2/NDF:15.4/7

Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

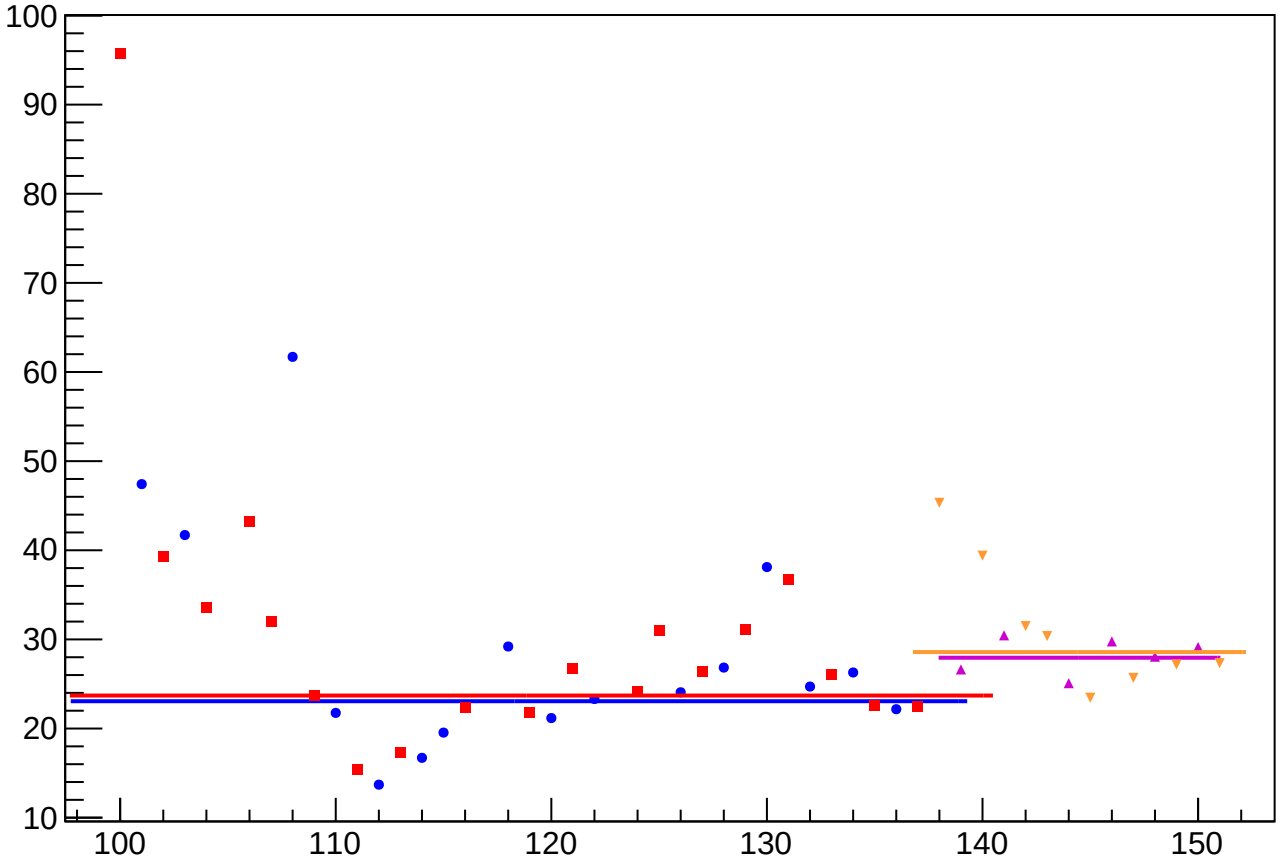
Left In: 0.006+/-0.013 χ^2/NDF:8.9/5

+ sign -0.016+/-0.007 χ^2/NDF: 32.8/23

All: -0.008+/-0.005 χ^2/NDF: 66.7/48

- sign 0.001+/-0.007 χ^2/NDF: 31.3/24

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: 28.581+/-0.008 χ^2/NDF:416379.1/7

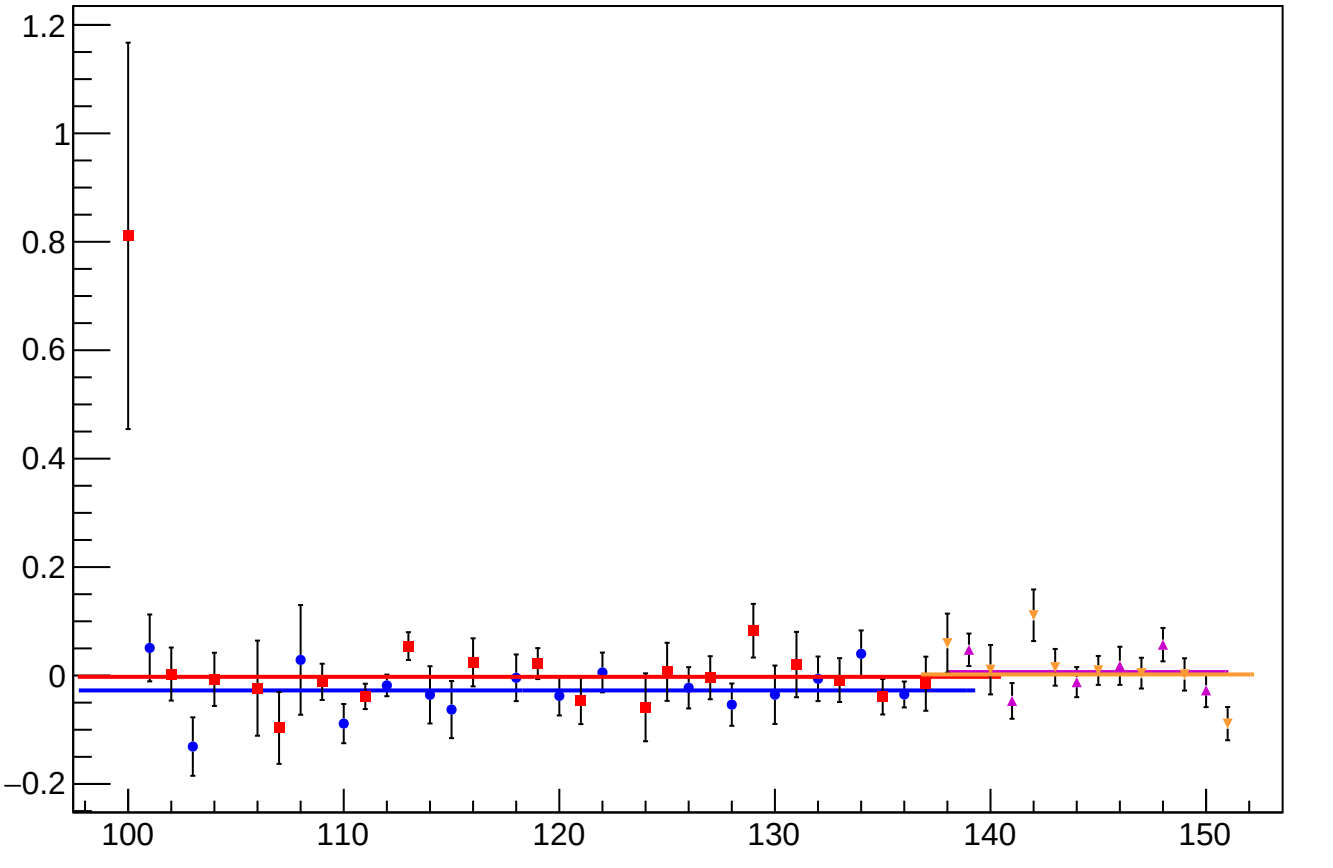
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.945+/-0.009 χ^2/NDF:45136.3/5

+ sign 25.165+/-0.005 χ^2/NDF: 2243292.0/23

All: 25.176+/-0.004 χ^2/NDF: 3522904.3/48

- sign 25.188+/-0.005 χ^2/NDF: 1279603.3/24



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.002+/-0.012 χ^2/NDF:15.4/7

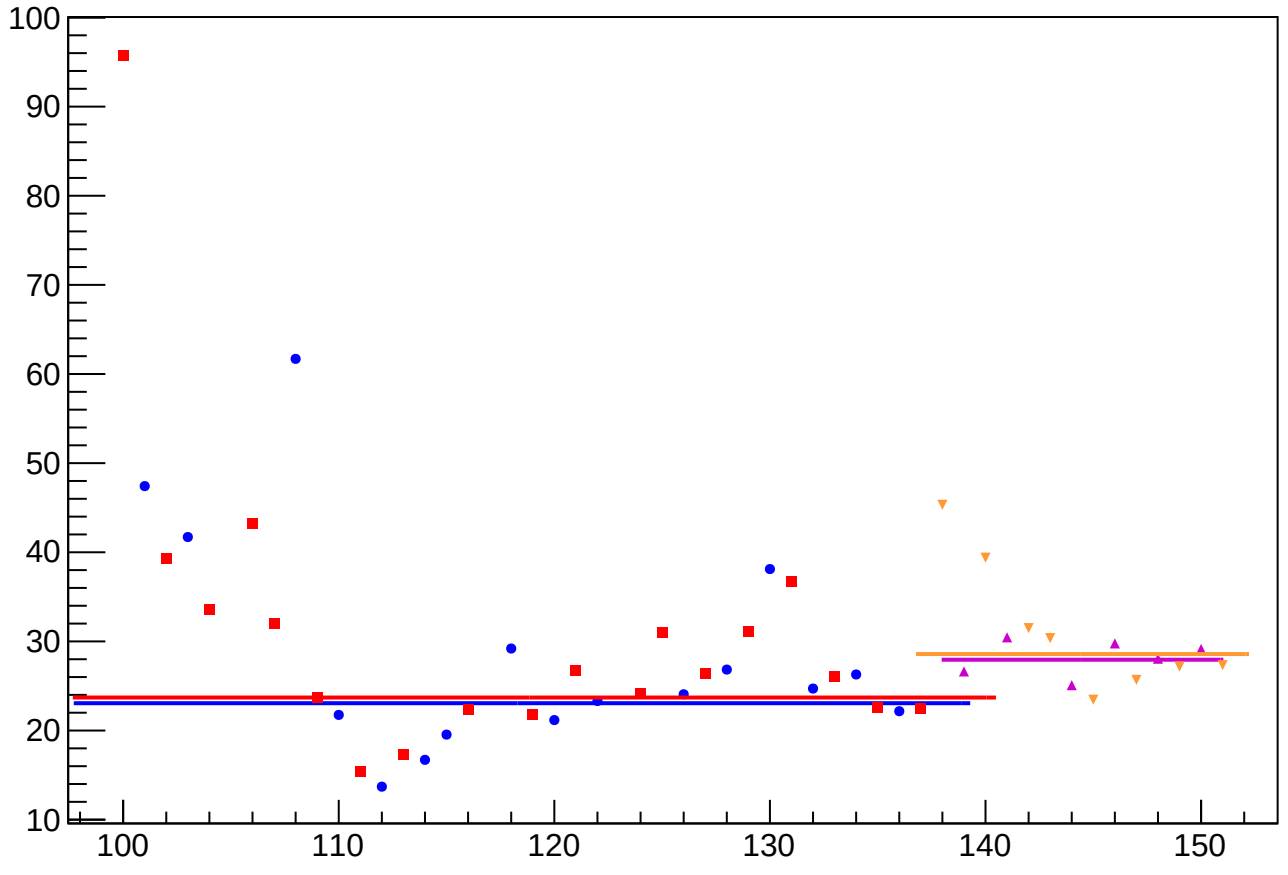
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.006+/-0.013 χ^2/NDF:8.9/5

+ sign -0.016+/-0.007 χ^2/NDF: 32.8/23

All: -0.008+/-0.005 χ^2/NDF: 66.7/48

- sign 0.001+/-0.007 χ^2/NDF: 31.3/24



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 28.581+/-0.008 χ^2/NDF:416379.1/7

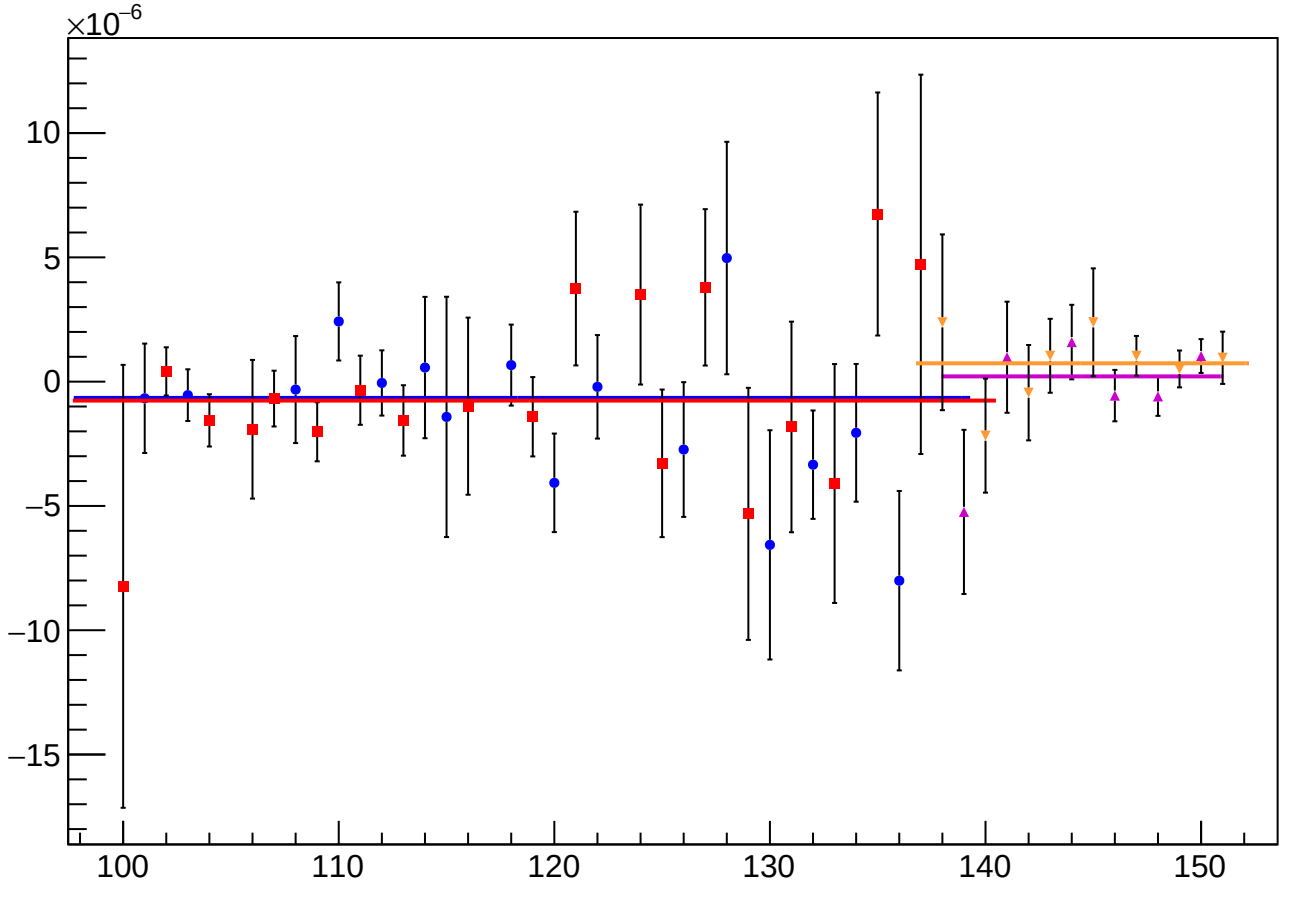
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.945+/-0.009 χ^2/NDF:45136.3/5

+ sign 25.165+/-0.005 χ^2/NDF: 2243292.0/23

All: 25.176+/-0.004 χ^2/NDF: 3522904.3/48

- sign 25.188+/-0.005 χ^2/NDF: 1279603.3/24



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.1/7

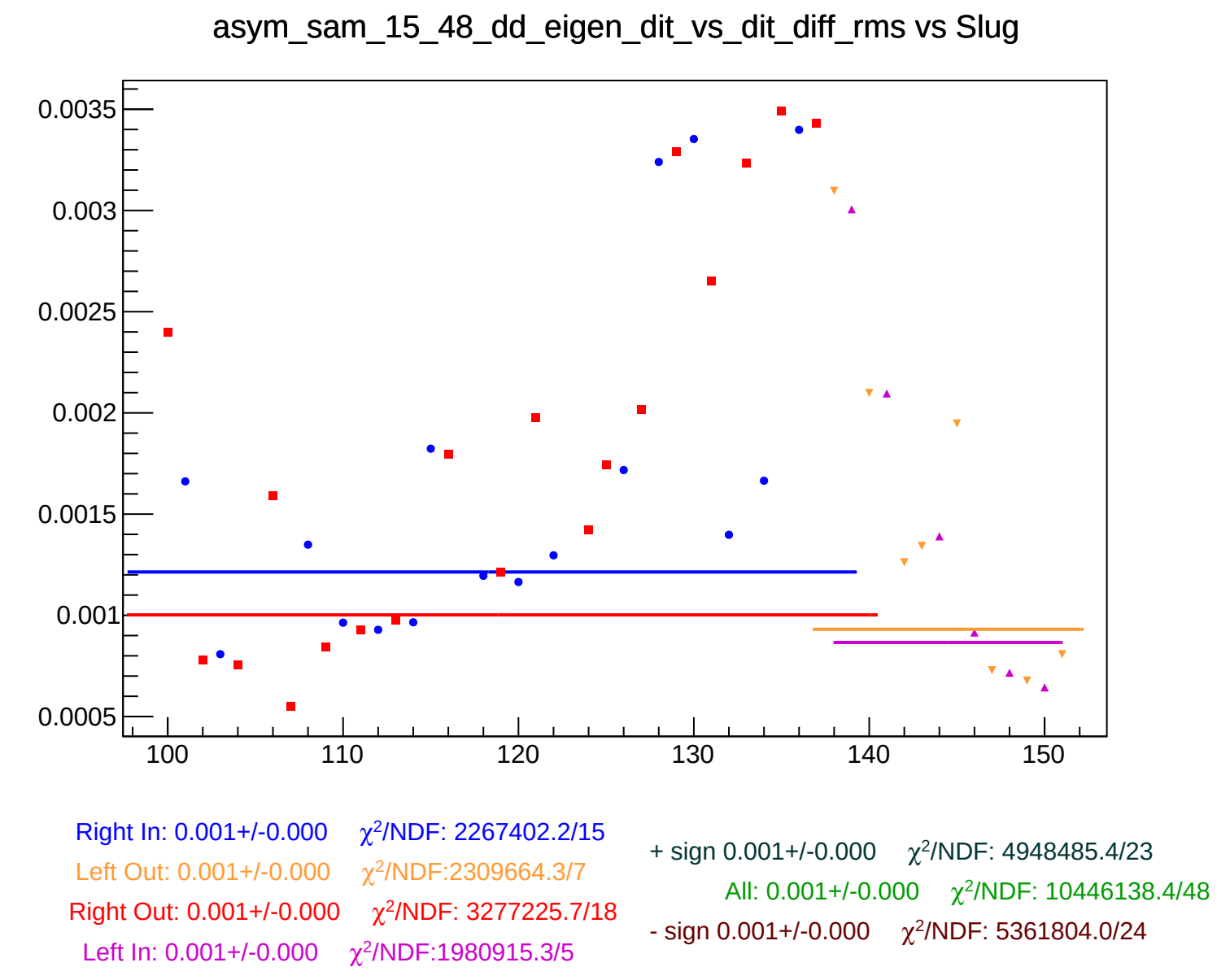
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

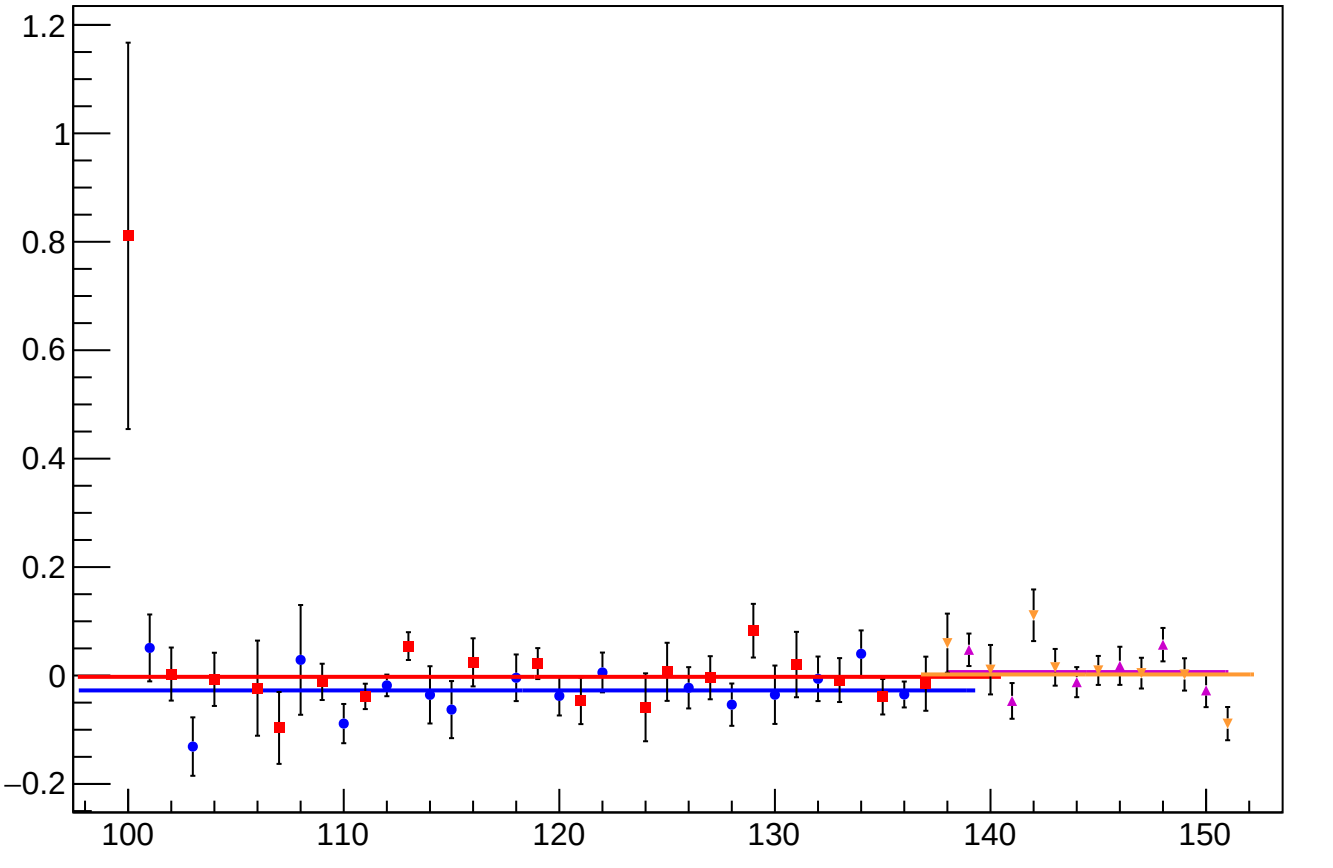
Left In: 0.000+/-0.000 χ^2/NDF:6.8/5

+ sign 0.000+/-0.000 χ^2/NDF: 25.2/23

All: -0.000+/-0.000 χ^2/NDF: 50.7/48

- sign -0.000+/-0.000 χ^2/NDF: 24.6/24


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
Right In: 0.001+/-0.000 χ²/NDF: 2267402.2/15
Left Out: 0.001+/-0.000 χ²/NDF:2309664.3/7
Right Out: 0.001+/-0.000 χ²/NDF: 3277225.7/18
Left In: 0.001+/-0.000 χ²/NDF:1980915.3/5
+ sign 0.001+/-0.000 χ²/NDF: 4948485.4/23
All: 0.001+/-0.000 χ²/NDF: 10446138.4/48
- sign 0.001+/-0.000 χ²/NDF: 5361804.0/24



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.002+/-0.012 χ^2/NDF:15.4/7

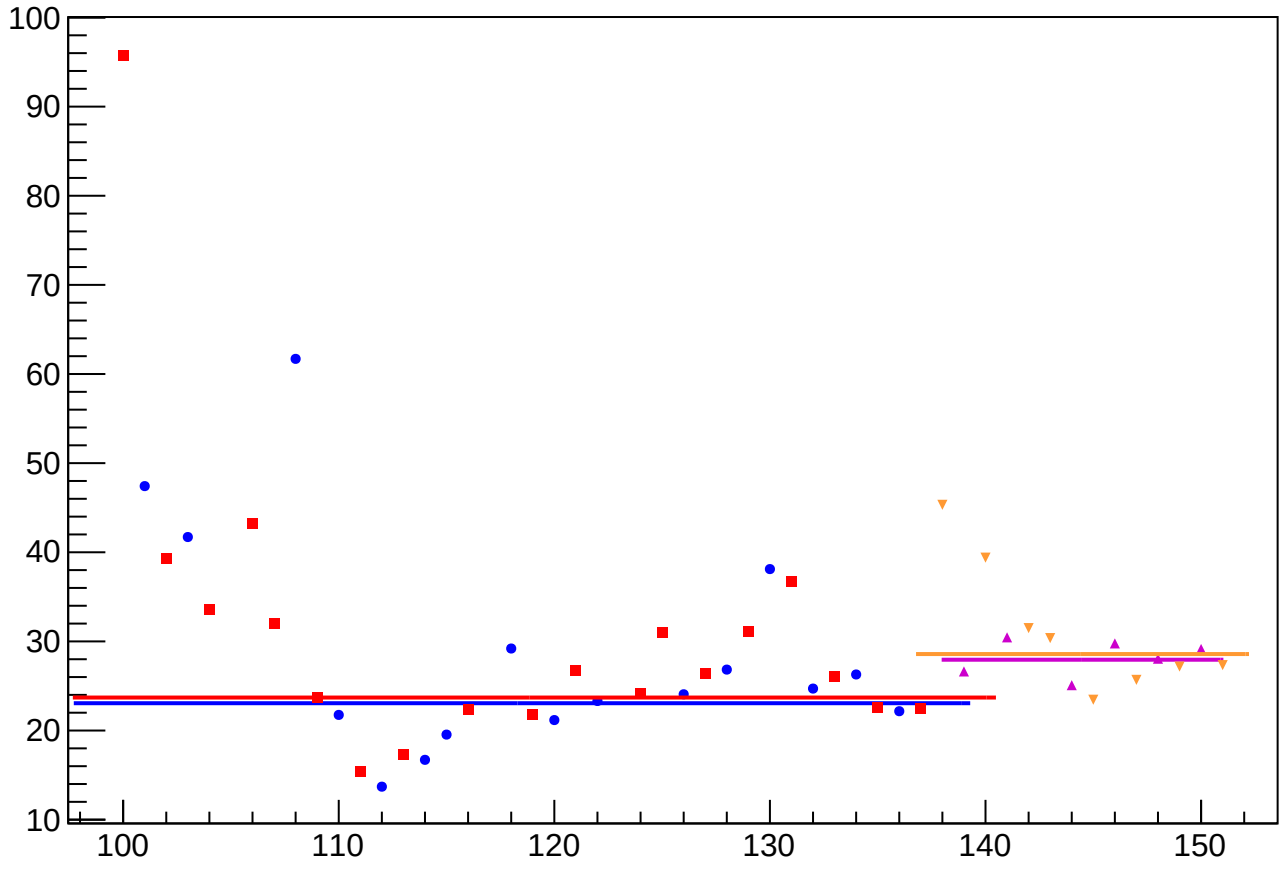
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.006+/-0.013 χ^2/NDF:8.9/5

+ sign -0.016+/-0.007 χ^2/NDF: 32.8/23

All: -0.008+/-0.005 χ^2/NDF: 66.7/48

- sign 0.001+/-0.007 χ^2/NDF: 31.3/24



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 28.581+/-0.008 χ^2/NDF:416340.2/7

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

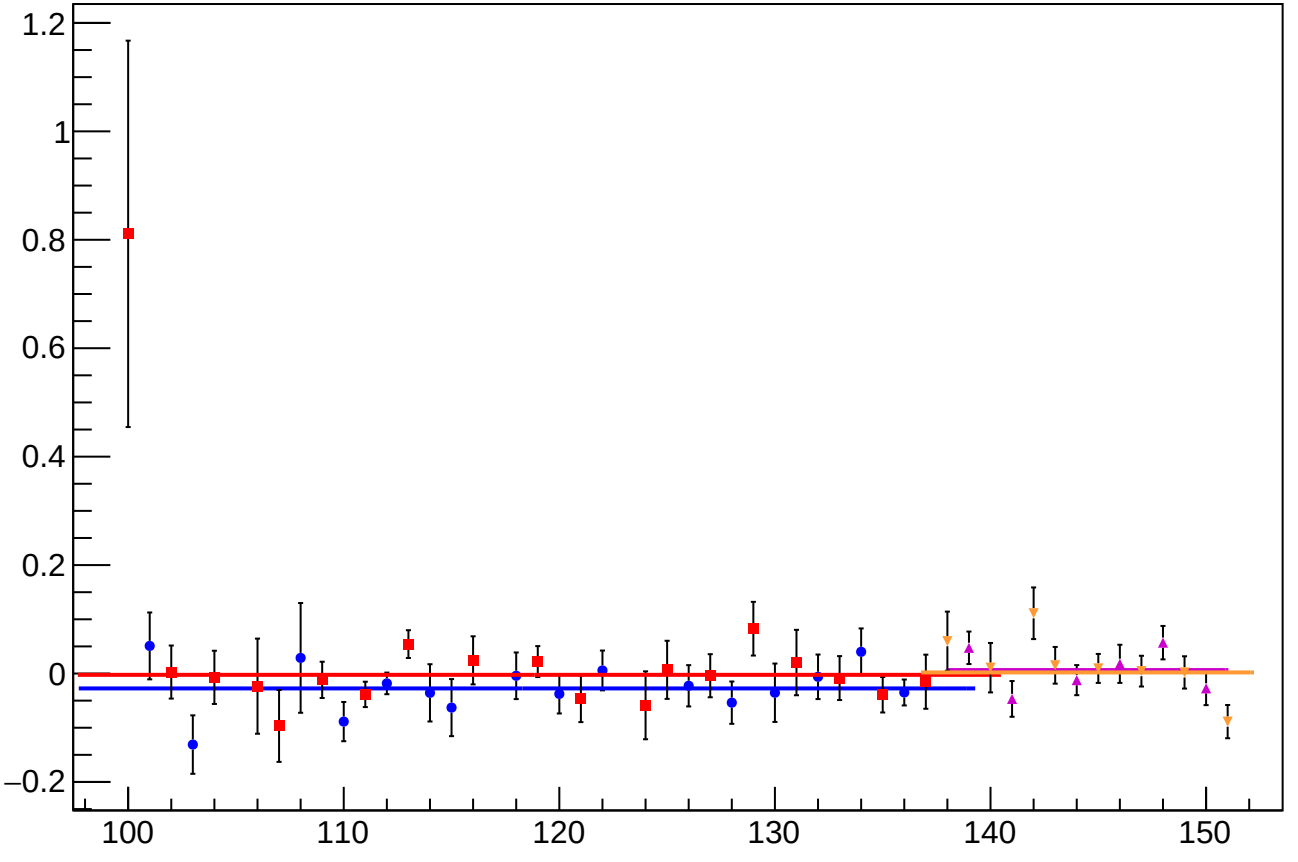
Left In: 27.945+/-0.009 χ^2/NDF:45137.3/5

+ sign 25.165+/-0.005 χ^2/NDF: 2243312.9/23

All: 25.176+/-0.004 χ^2/NDF: 3522978.4/48

- sign 25.187+/-0.005 χ^2/NDF: 1279656.5/24

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.002+/-0.012 χ^2/NDF:15.4/7

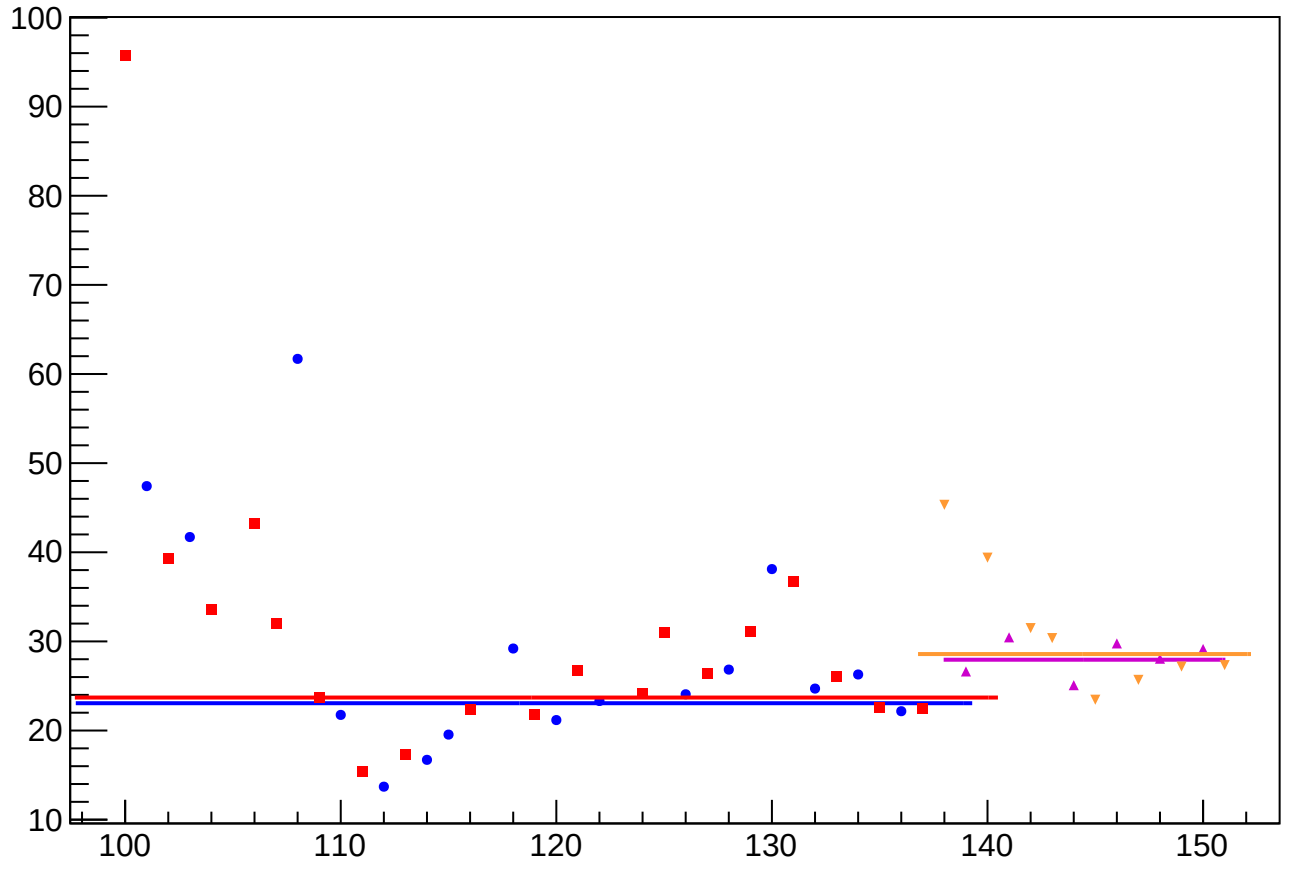
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.006+/-0.013 χ^2/NDF:8.9/5

+ sign -0.016+/-0.007 χ^2/NDF: 32.8/23

All: -0.008+/-0.005 χ^2/NDF: 66.7/48

- sign 0.001+/-0.007 χ^2/NDF: 31.3/24



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 28.581+/-0.008 χ^2/NDF:416340.2/7

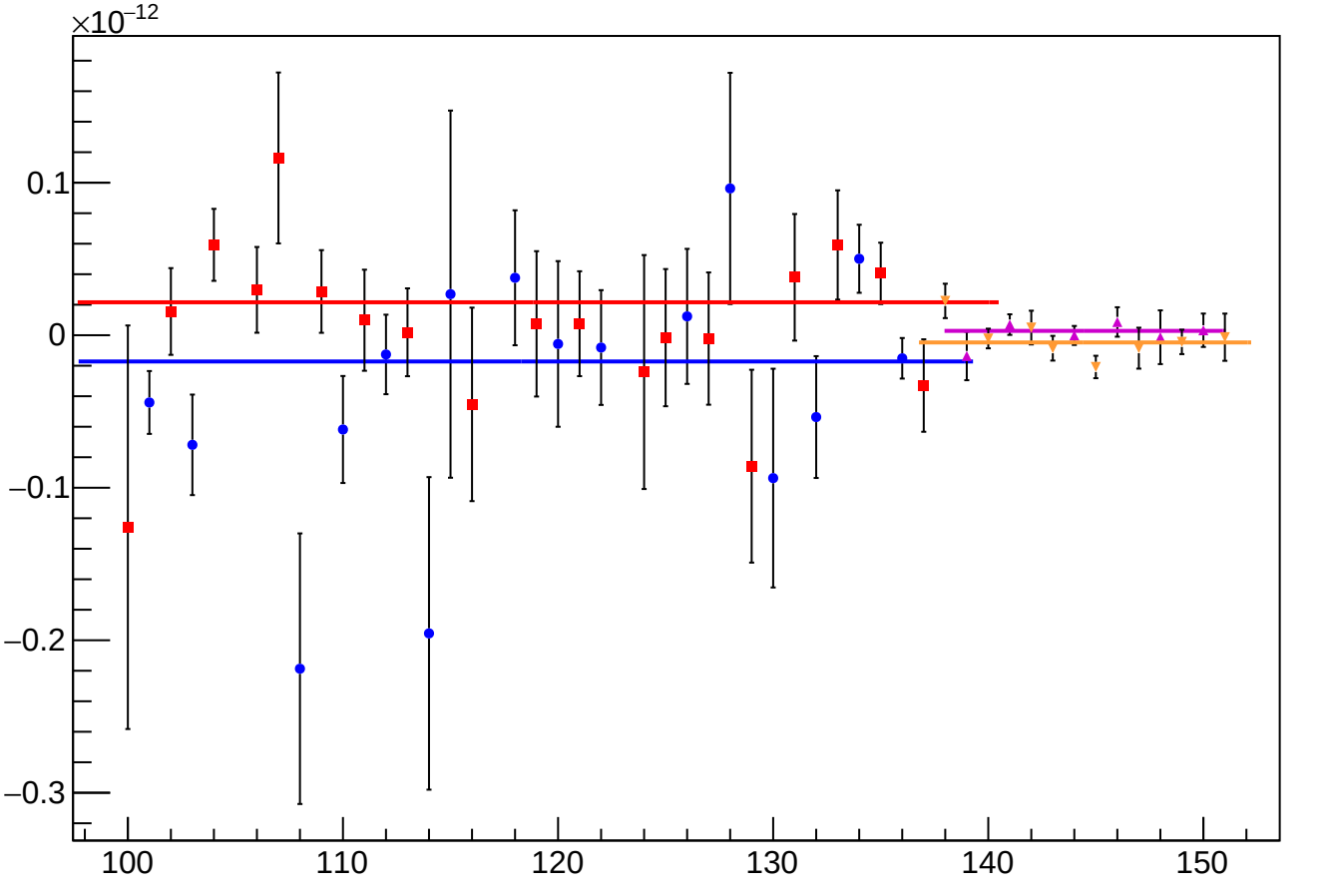
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.945+/-0.009 χ^2/NDF:45137.3/5

+ sign 25.165+/-0.005 χ^2/NDF: 2243312.9/23

All: 25.176+/-0.004 χ^2/NDF: 3522978.4/48

- sign 25.187+/-0.005 χ^2/NDF: 1279656.5/24



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.9/7

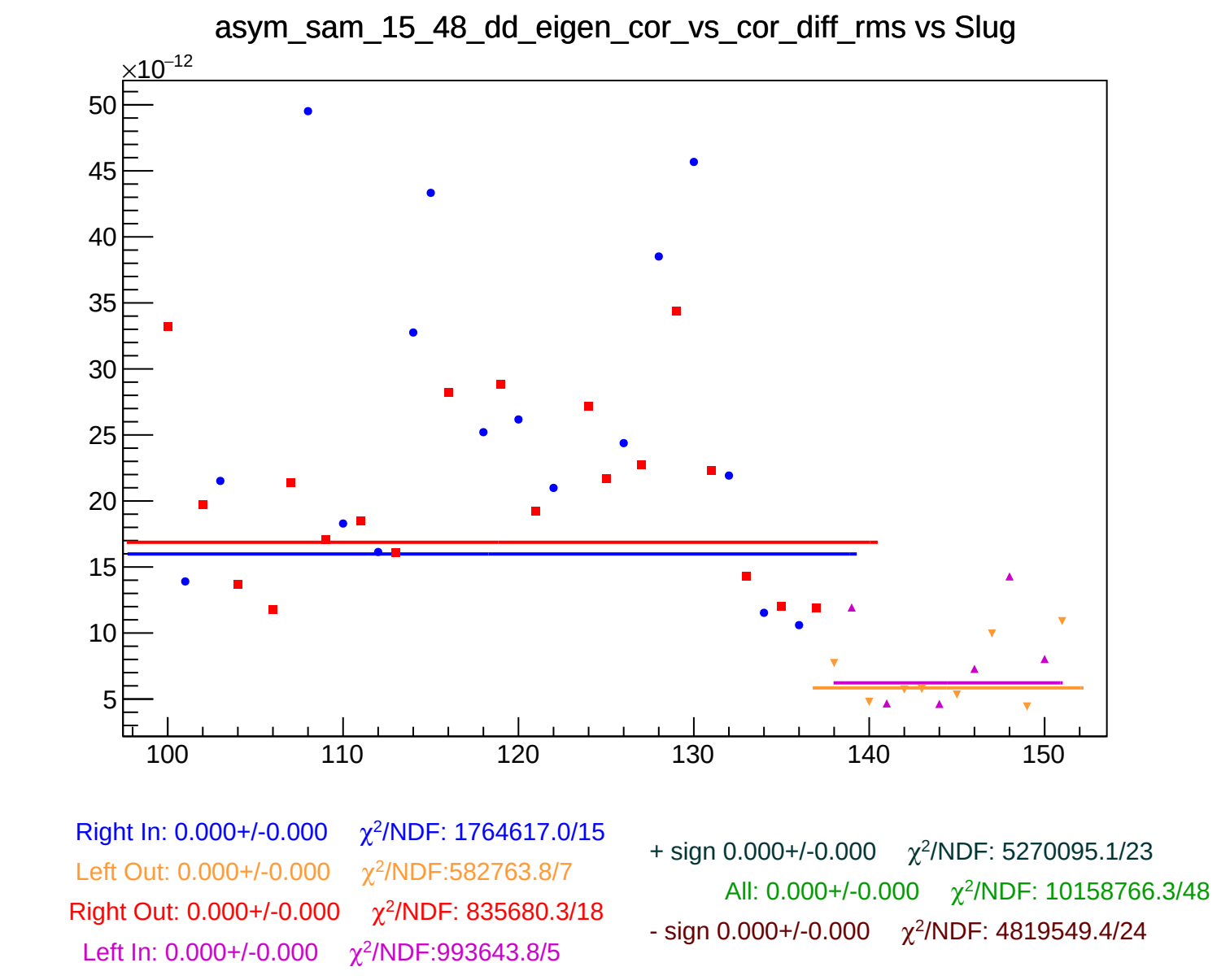
Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2.1/5

+ sign -0.000+/-0.000 χ^2/NDF: 44.0/23

All: -0.000+/-0.000 χ^2/NDF: 76.9/48

- sign 0.000+/-0.000 χ^2/NDF: 24.7/24


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
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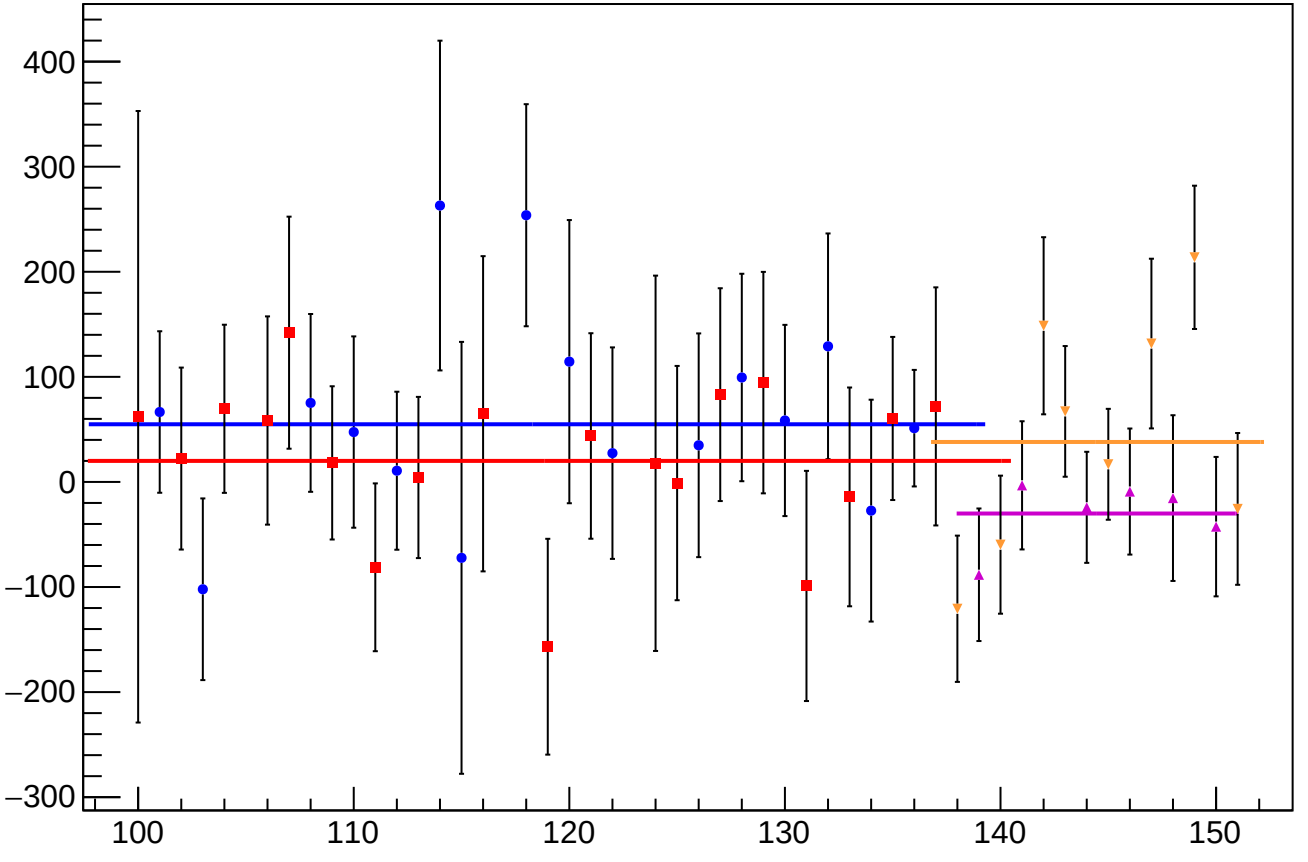
Right In: 0.000+/-0.000 χ²/NDF: 1764617.0/15
Left Out: 0.000+/-0.000 χ²/NDF:582763.8/7
Right Out: 0.000+/-0.000 χ²/NDF: 835680.3/18
Left In: 0.000+/-0.000 χ²/NDF:993643.8/5
+ sign 0.000+/-0.000 χ²/NDF: 5270095.1/23
All: 0.000+/-0.000 χ²/NDF: 10158766.3/48
- sign 0.000+/-0.000 χ²/NDF: 4819549.4/24

reg_asym_sam_37_48_dd_mean vs Slug



Right In: 54.883+/-23.179 χ^2/NDF: 11.0/15

Left Out: 38.036+/-23.859 χ^2/NDF:18.3/7

Right Out: 20.020+/-22.571 χ^2/NDF: 9.2/18

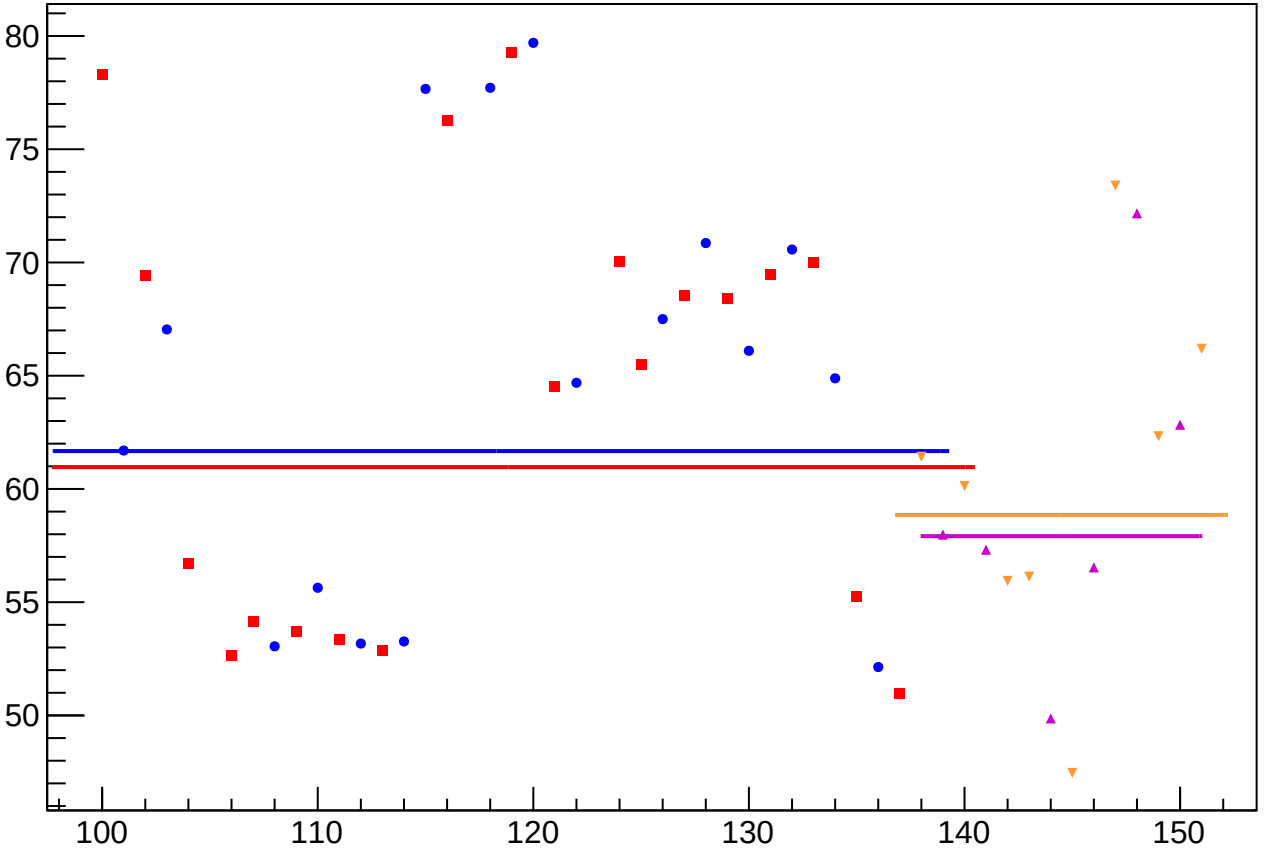
Left In: -30.056+/-25.447 χ^2/NDF:1.3/5

\+ sign 46.703+/-16.625 χ^2/NDF: 29.6/23

All: 22.716+/-11.847 χ^2/NDF: 46.4/48

\- sign -2.030+/-16.886 χ^2/NDF: 12.7/24

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 58.855+/-0.017 χ^2/NDF:193599.2/7

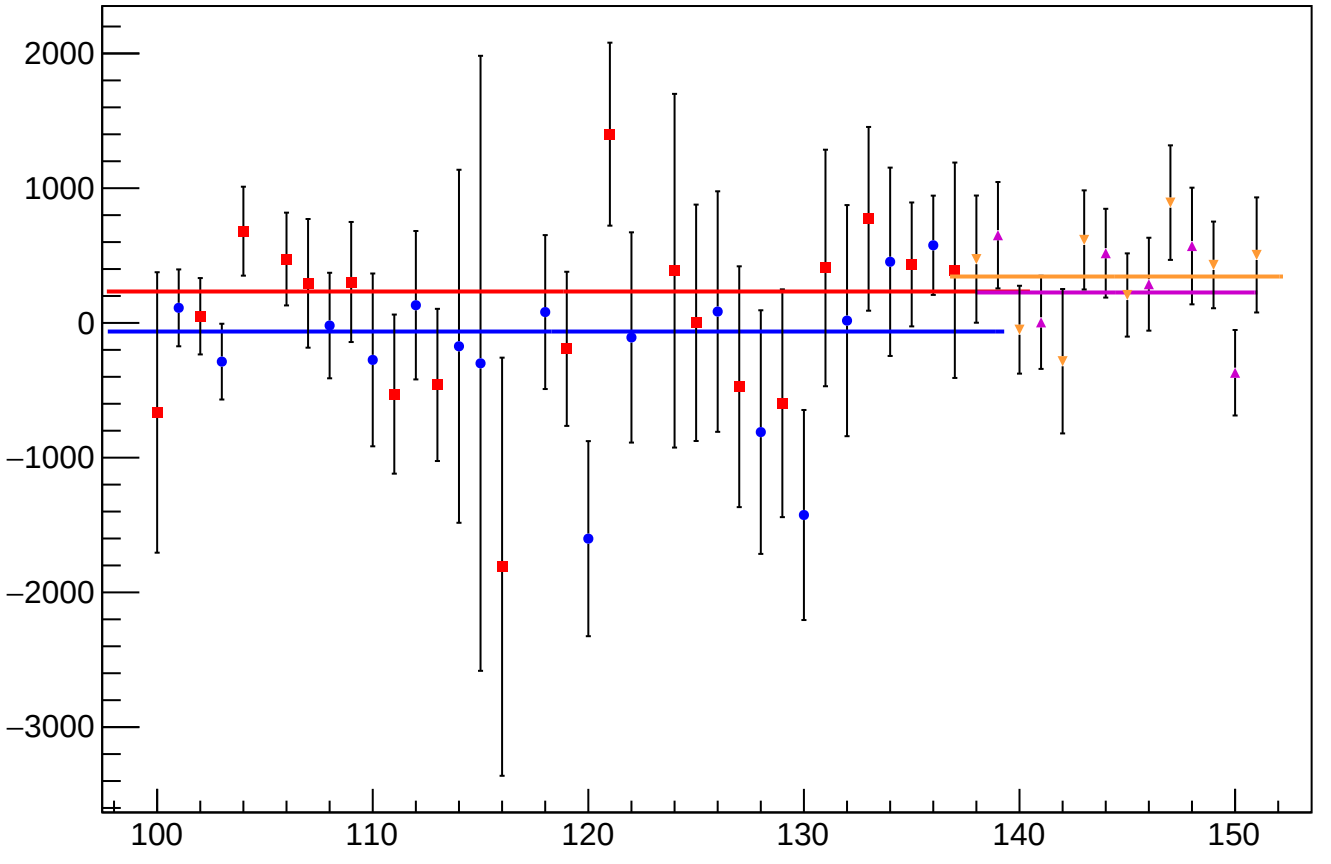
Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 57.917+/-0.018 χ^2/NDF:124004.0/5

+ sign 60.305+/-0.012 χ^2/NDF: 475056.4/23

All: 59.970+/-0.008 χ^2/NDF: 900974.8/48

- sign 59.624+/-0.012 χ^2/NDF: 424265.4/24



Right In: -63.834+/-129.674 χ^2/NDF: 13.2/15

Left Out: 344.385+/-133.715 χ^2/NDF:5.5/7

Right Out: 233.206+/-122.791 χ^2/NDF: 14.5/18

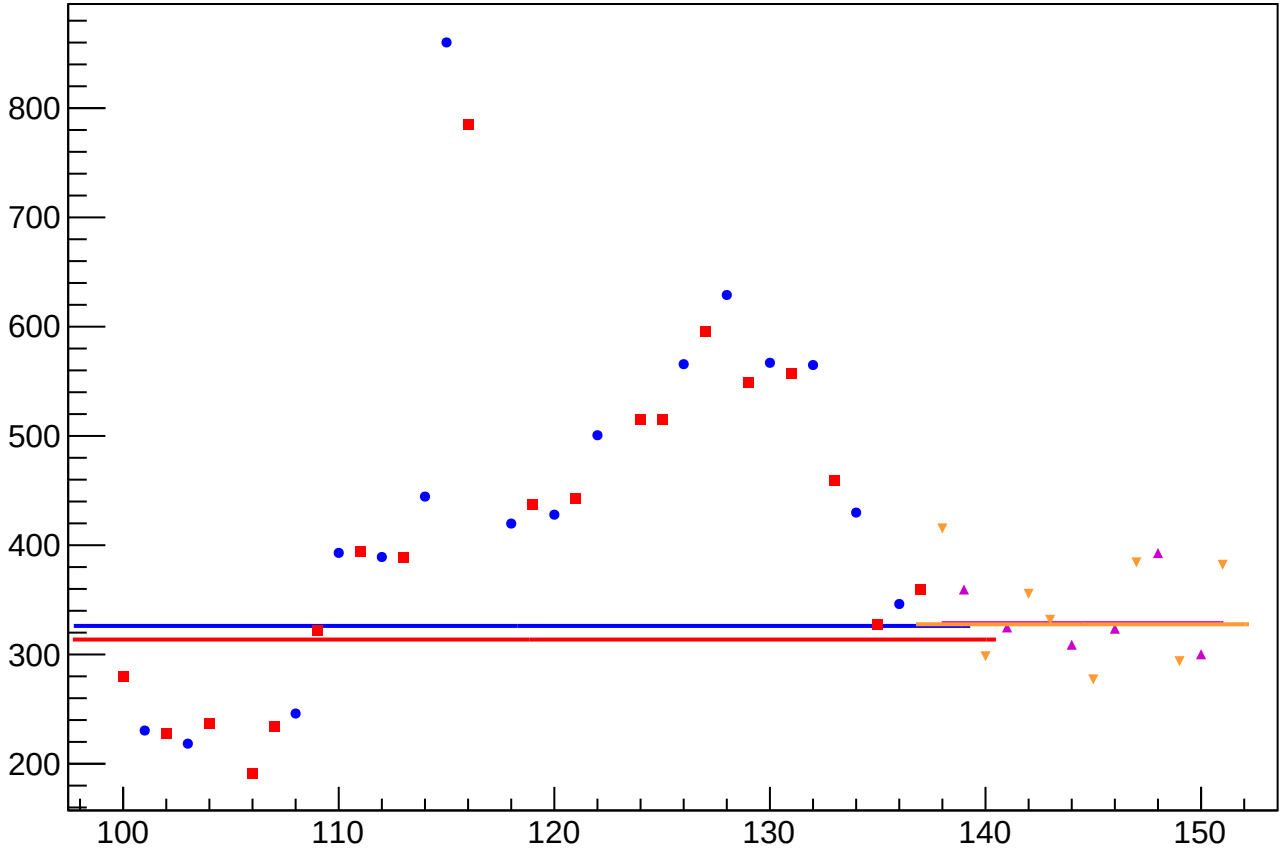
Left In: 225.939+/-144.829 χ^2/NDF:6.5/5

+ sign 134.014+/-93.089 χ^2/NDF: 23.5/23

All: 181.797+/-66.025 χ^2/NDF: 45.1/48

- sign 230.167+/-93.659 χ^2/NDF: 21.1/24

asym_sam_37_48_dd_reg_correction_rms vs Slug



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 327.660+/-0.095 χ^2/NDF:234302.5/7

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

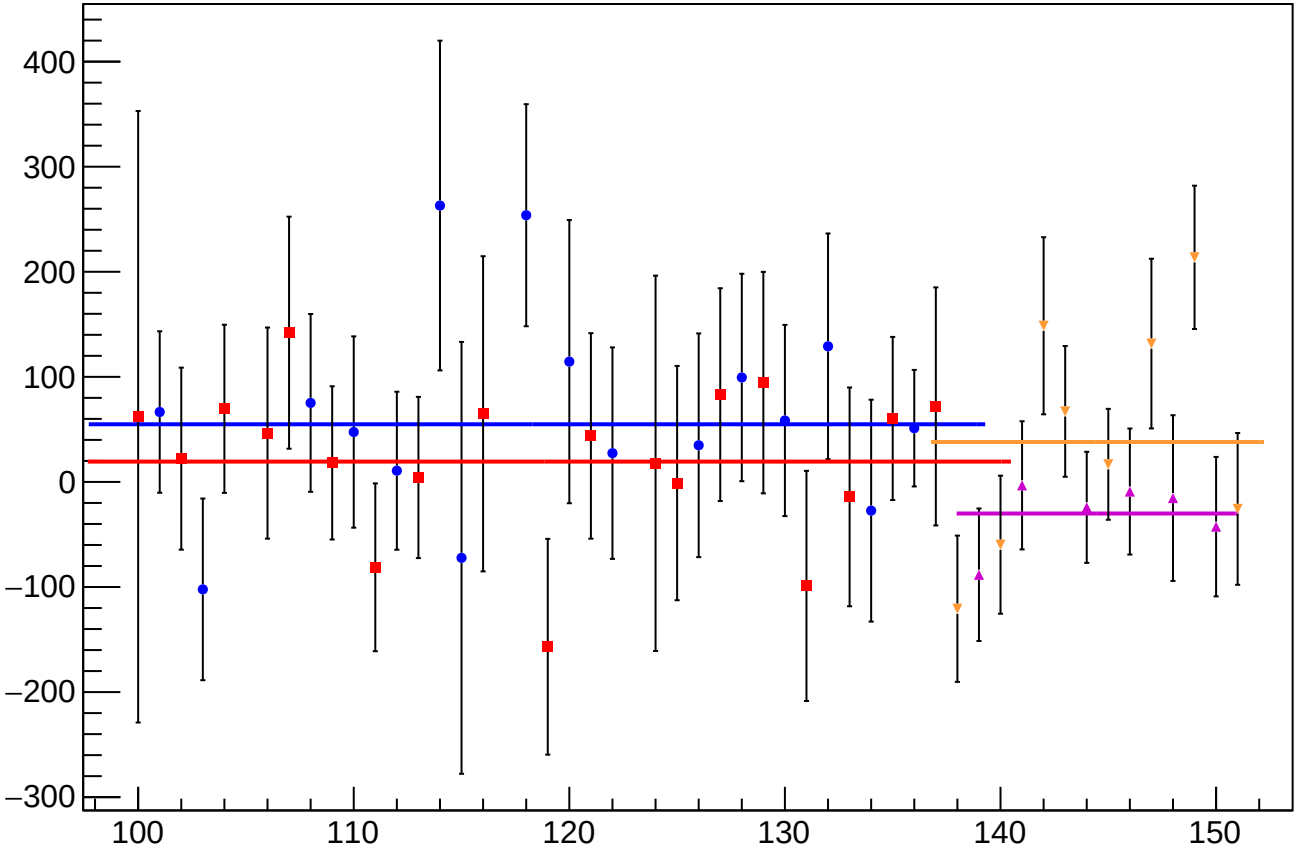
Left In: 328.694+/-0.102 χ^2/NDF:80109.2/5

+ sign 326.880+/-0.066 χ^2/NDF: 1968429.9/23

All: 323.439+/-0.047 χ^2/NDF: 3853906.6/48

- sign 319.954+/-0.066 χ^2/NDF: 1879974.8/24

cor_asym_sam_37_48_dd_mean vs Slug



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 38.032+/-23.859 χ^2/NDF:18.3/7

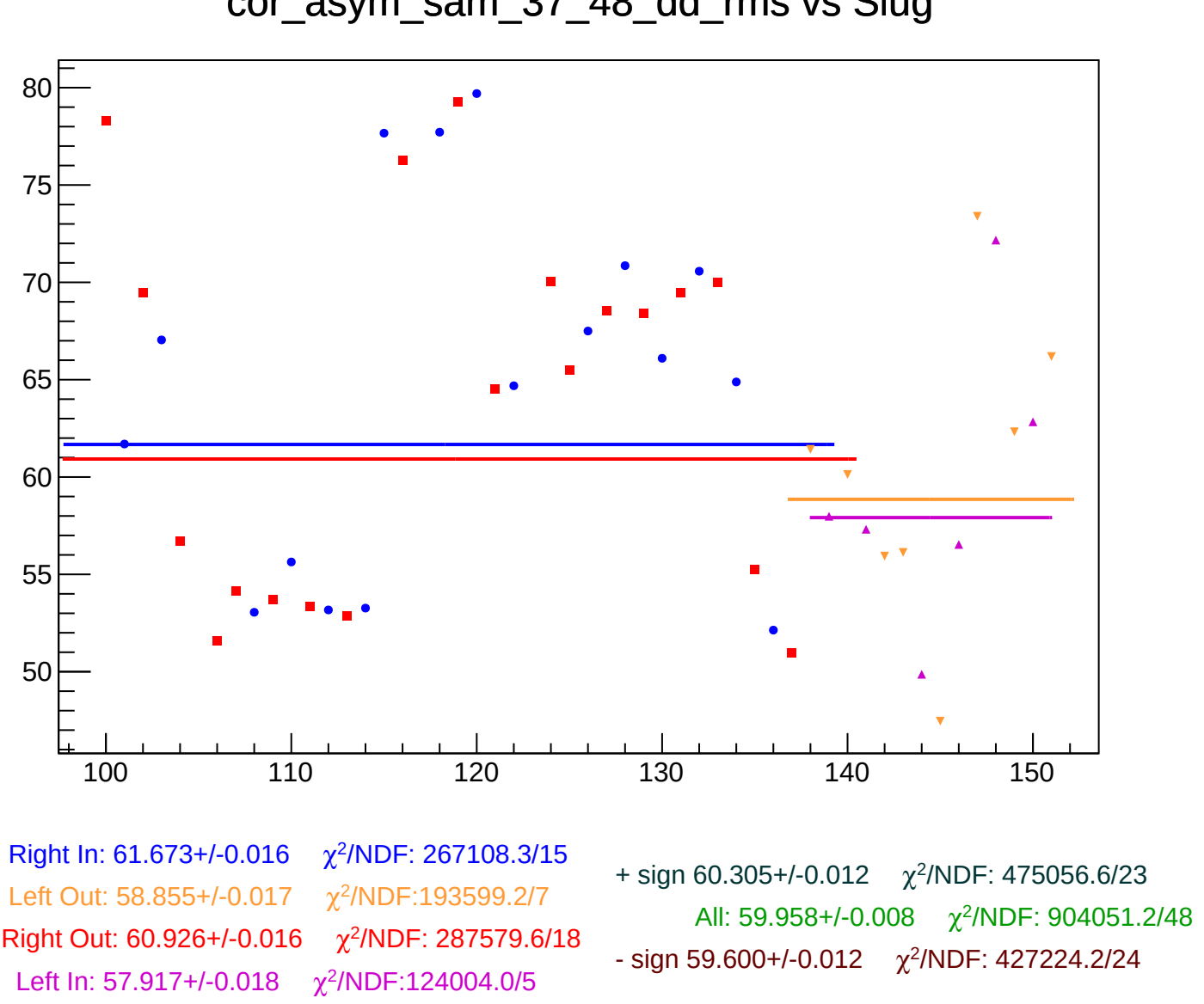
Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

Left In: -30.053+/-25.447 χ^2/NDF:1.3/5

+ sign 46.698+/-16.625 χ^2/NDF: 29.6/23

All: 22.531+/-11.849 χ^2/NDF: 46.4/48

- sign -2.420+/-16.893 χ^2/NDF: 12.5/24


cor_asym_sam_37_48_dd_rms vs Slug
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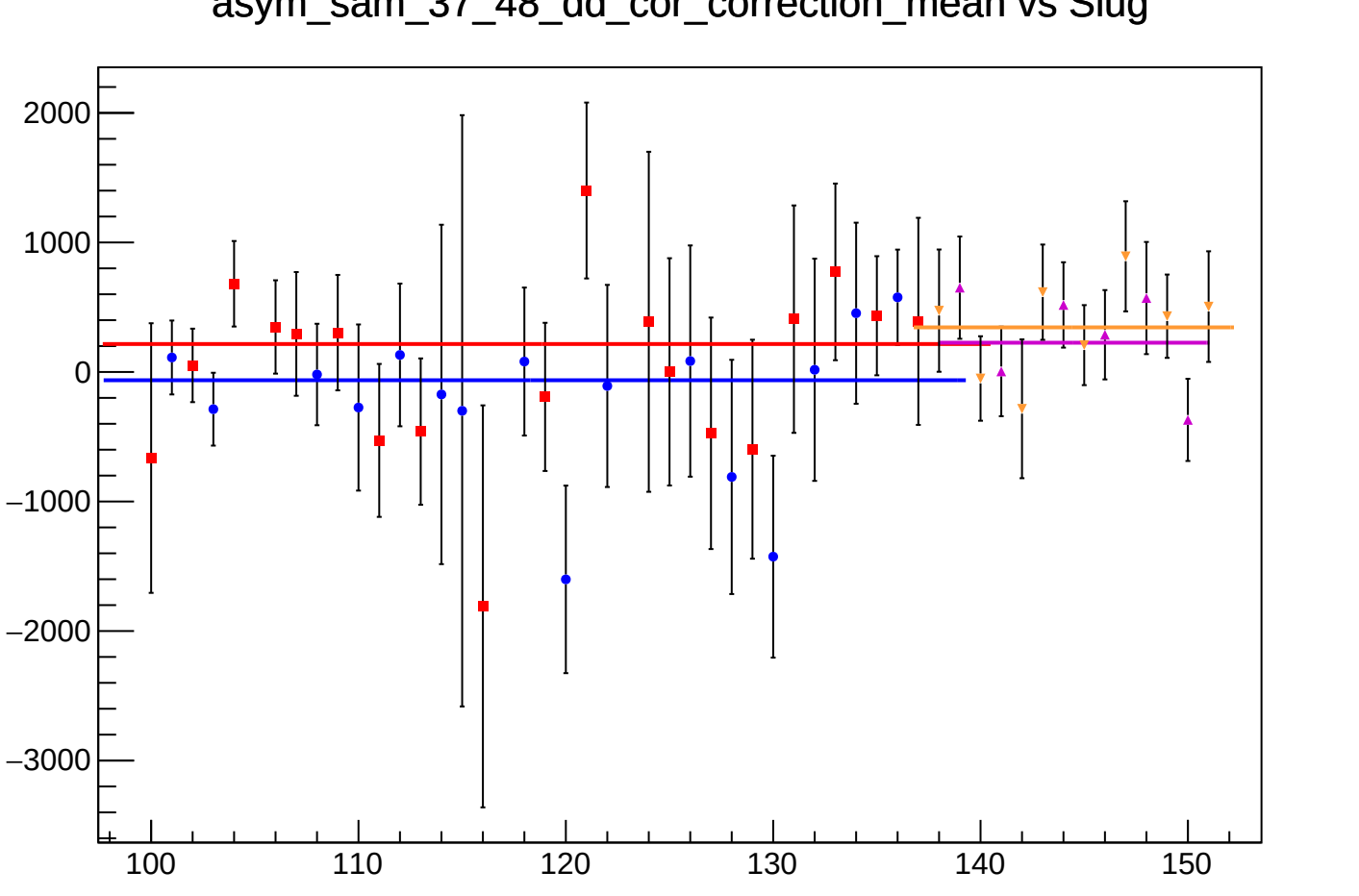
Right In: 61.673+/-0.016 χ²/NDF: 267108.3/15
Left Out: 58.855+/-0.017 χ²/NDF:193599.2/7
Right Out: 60.926+/-0.016 χ²/NDF: 287579.6/18
Left In: 57.917+/-0.018 χ²/NDF:124004.0/5
+ sign 60.305+/-0.012 χ²/NDF: 475056.6/23
All: 59.958+/-0.008 χ²/NDF: 904051.2/48
- sign 59.600+/-0.012 χ²/NDF: 427224.2/24



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 344.384+/-133.715 χ^2/NDF:5.5/7

Right Out: 215.911+/-123.491 χ^2/NDF: 14.1/18

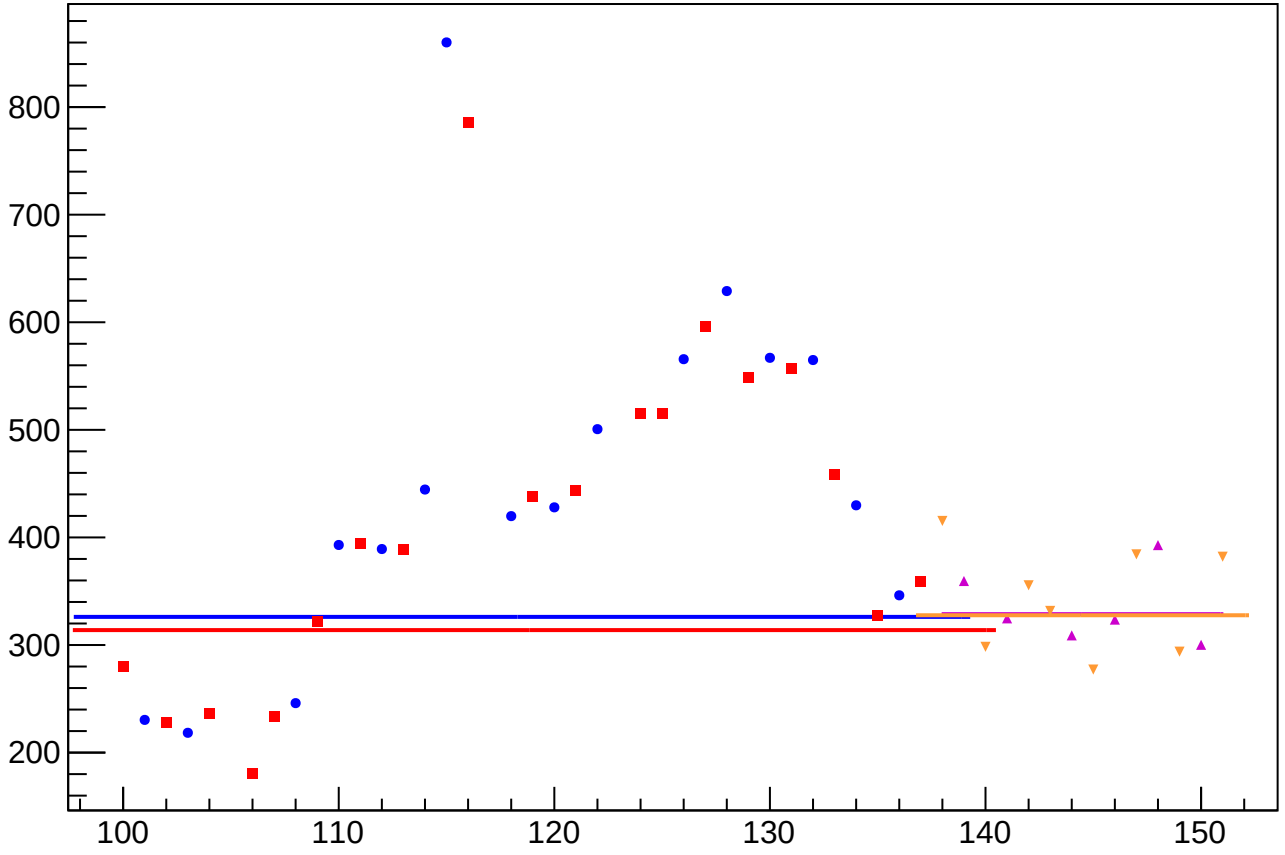
Left In: 225.940+/-144.829 χ^2/NDF:6.5/5

+ sign 134.022+/-93.090 χ^2/NDF: 23.5/23

All: 176.673+/-66.133 χ^2/NDF: 44.6/48

- sign 220.133+/-93.969 χ^2/NDF: 20.7/24

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 327.660+/-0.095 χ^2/NDF:234303.0/7

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

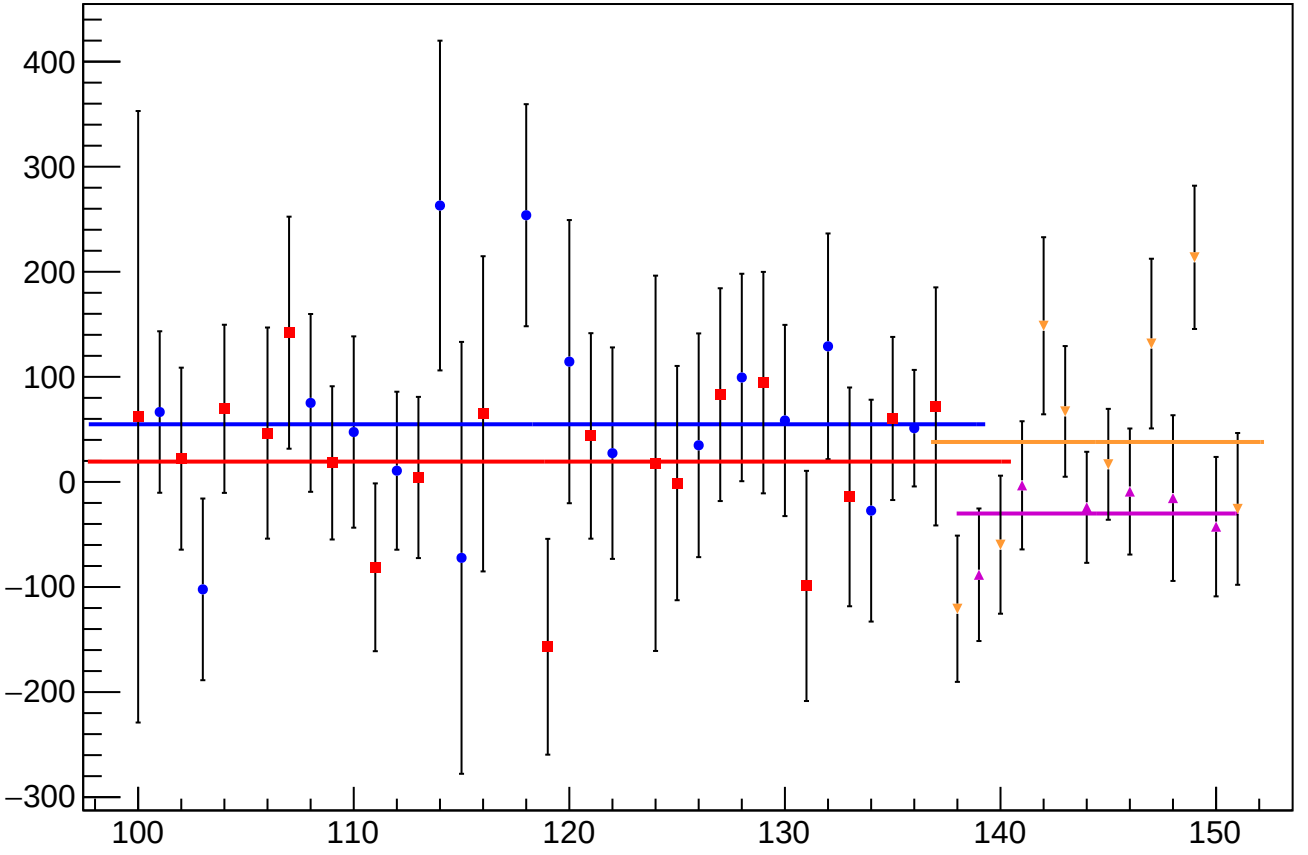
Left In: 328.694+/-0.102 χ^2/NDF:80108.1/5

+ sign 326.882+/-0.066 χ^2/NDF: 1968369.0/23

All: 323.526+/-0.047 χ^2/NDF: 3871653.9/48

- sign 320.105+/-0.066 χ^2/NDF: 1898035.4/24

eigen_cor_asym_sam_37_48_dd_mean vs Slug



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 38.032+/-23.859 χ^2/NDF:18.3/7

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

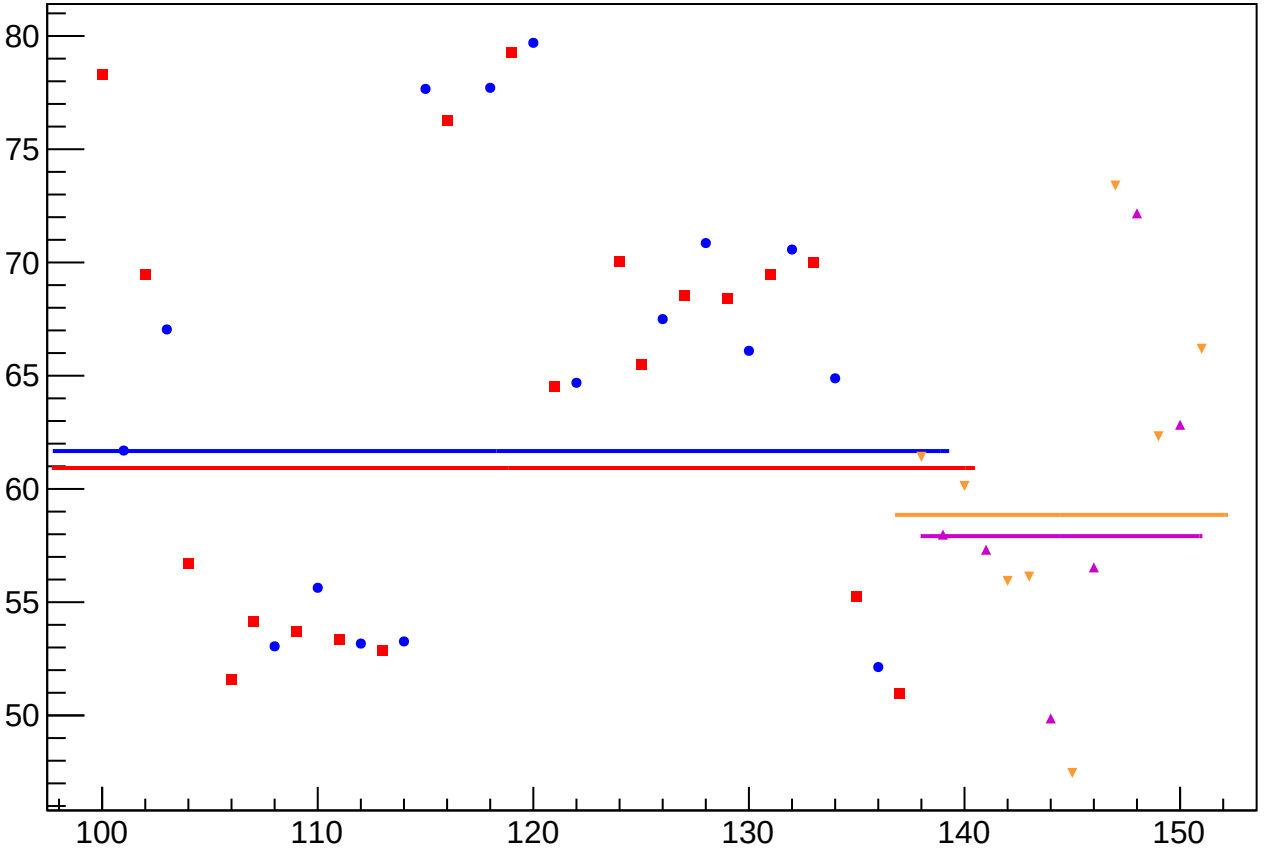
Left In: -30.053+/-25.447 χ^2/NDF:1.3/5

+ sign 46.698+/-16.625 χ^2/NDF: 29.6/23

All: 22.531+/-11.849 χ^2/NDF: 46.4/48

- sign -2.420+/-16.893 χ^2/NDF: 12.5/24

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 58.855+/-0.017 χ^2/NDF:193599.2/7

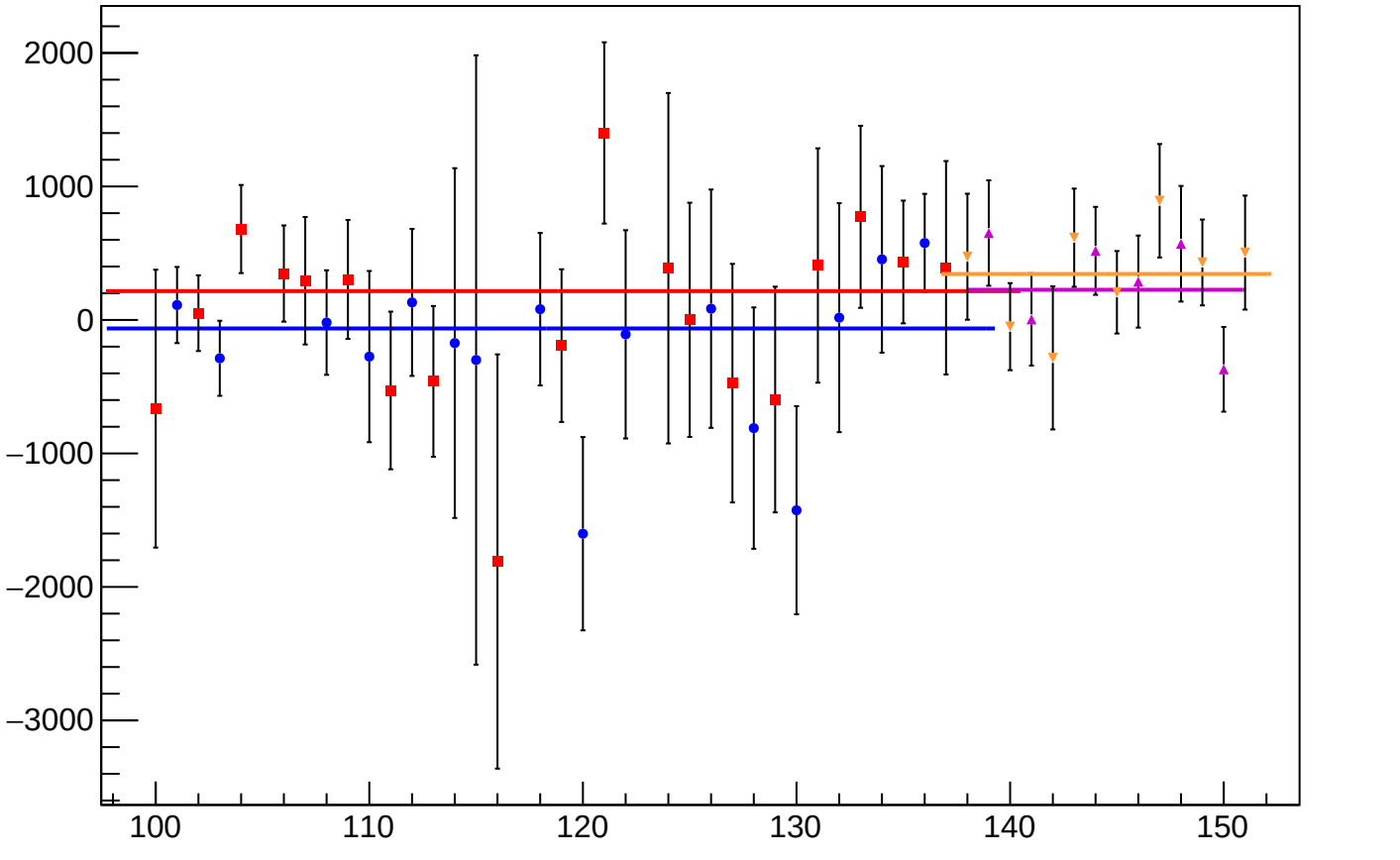
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 57.917+/-0.018 χ^2/NDF:124004.0/5

+ sign 60.305+/-0.012 χ^2/NDF: 475056.6/23

All: 59.958+/-0.008 χ^2/NDF: 904051.2/48

- sign 59.600+/-0.012 χ^2/NDF: 427224.2/24



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 344.384+/-133.715 χ^2/NDF:5.5/7

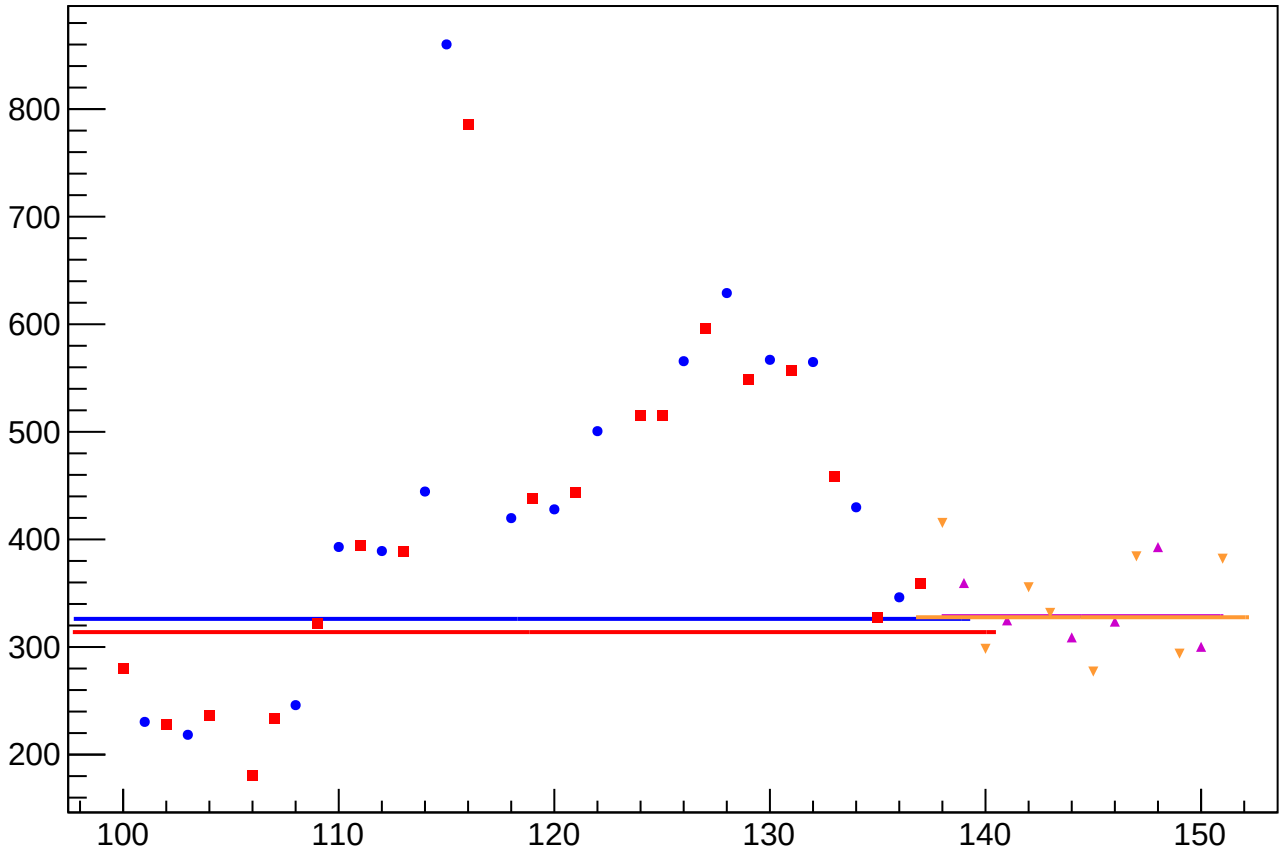
Right Out: 215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: 225.940+/-144.829 χ^2/NDF:6.5/5

+ sign 134.022+/-93.090 χ^2/NDF: 23.5/23

All: 176.673+/-66.133 χ^2/NDF: 44.6/48

- sign 220.133+/-93.969 χ^2/NDF: 20.7/24



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 327.660+/-0.095 χ^2/NDF:234303.0/7

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

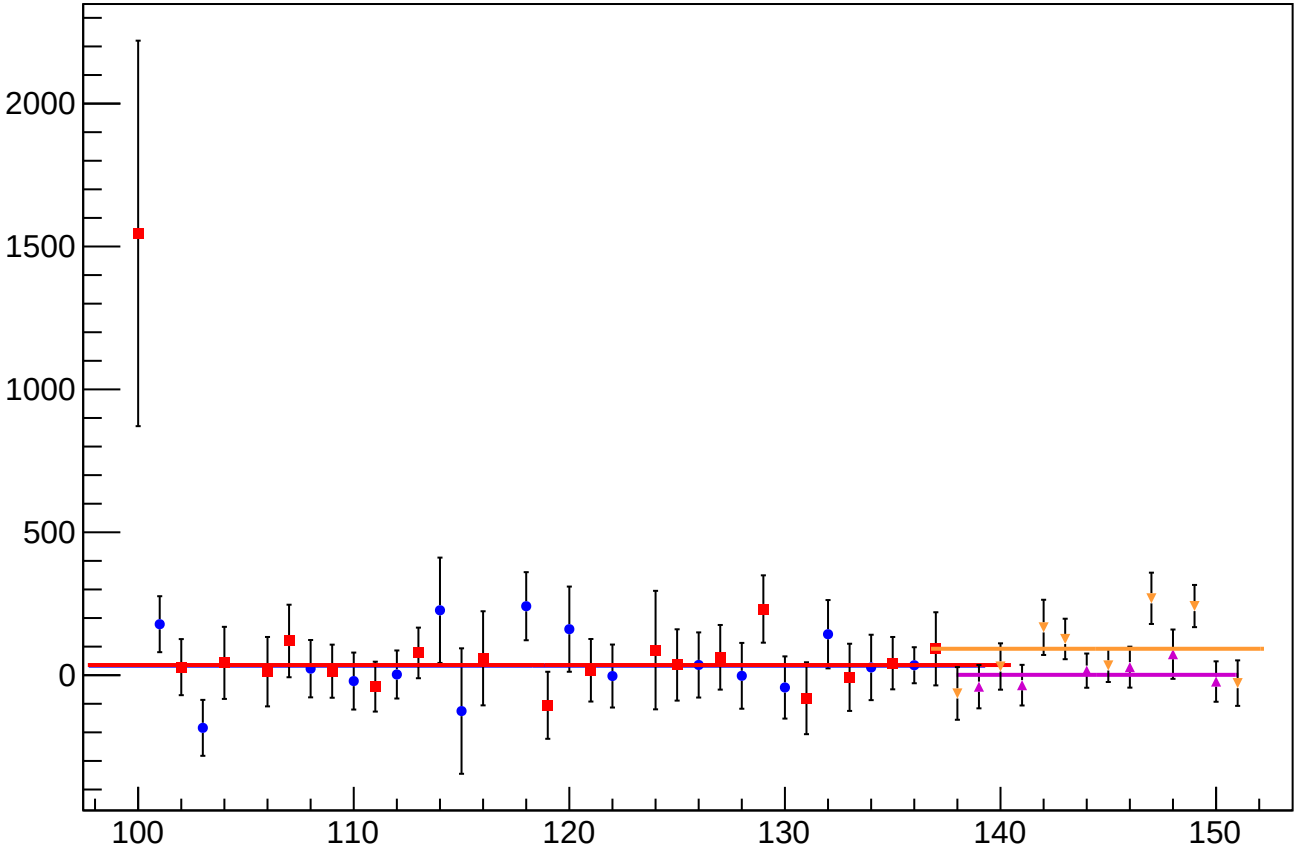
Left In: 328.694+/-0.102 χ^2/NDF:80108.1/5

+ sign 326.882+/-0.066 χ^2/NDF: 1968369.0/23

All: 323.526+/-0.047 χ^2/NDF: 3871653.9/48

- sign 320.105+/-0.066 χ^2/NDF: 1898035.4/24

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 92.459+/-27.320 χ^2/NDF:15.6/7

Right Out: 35.576+/-26.536 χ^2/NDF: 12.1/18

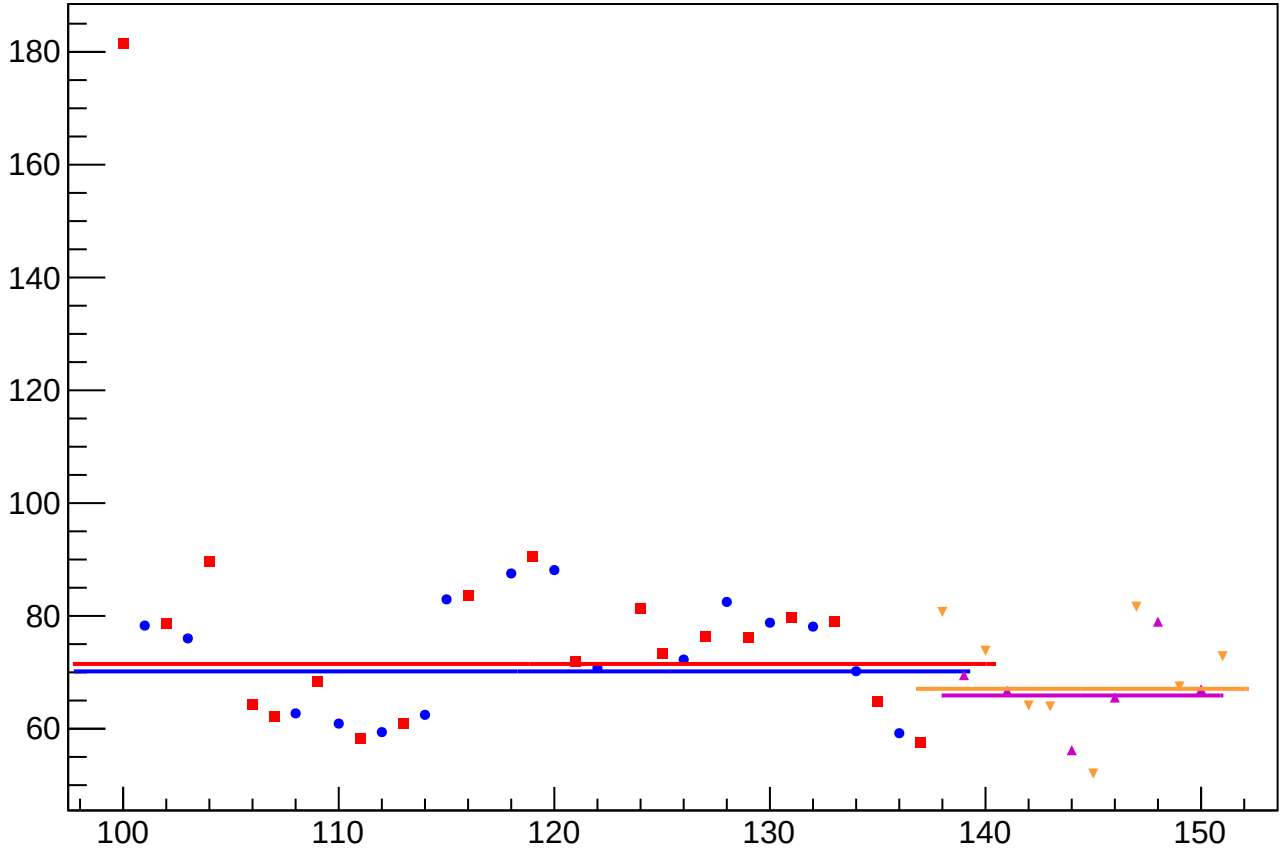
Left In: 1.251+/-29.117 χ^2/NDF:1.6/5

+ sign 61.934+/-18.990 χ^2/NDF: 32.5/23

All: 41.645+/-13.643 χ^2/NDF: 49.3/48

- sign 20.002+/-19.613 χ^2/NDF: 14.4/24

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 67.083+/-0.019 χ^2/NDF:261167.8/7

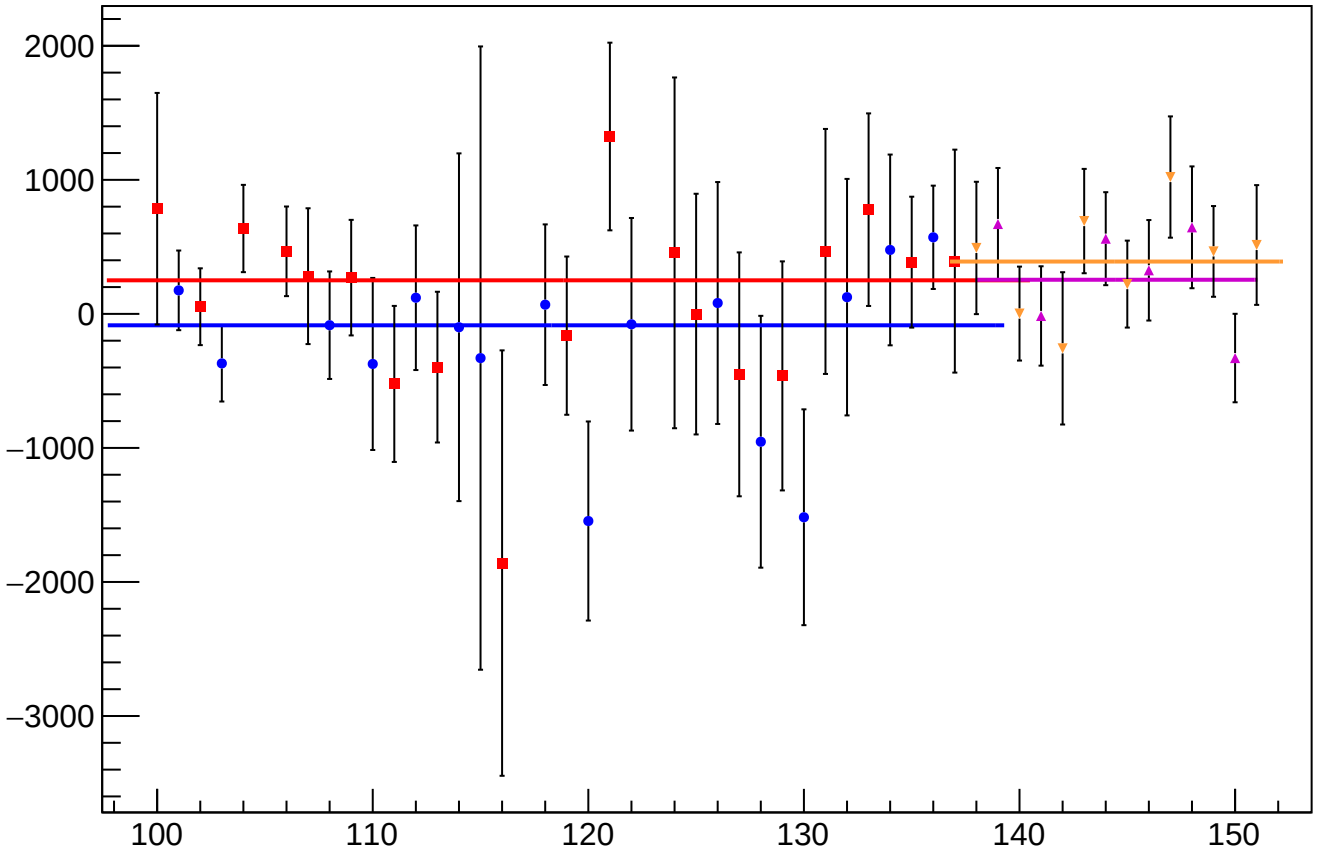
Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

Left In: 65.895+/-0.021 χ^2/NDF:103781.2/5

+ sign 68.677+/-0.013 χ^2/NDF: 543595.9/23

All: 68.808+/-0.010 χ^2/NDF: 1013533.0/48

- sign 68.948+/-0.014 χ^2/NDF: 469740.5/24



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 390.485+/-141.318 χ^2/NDF:5.5/7

Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

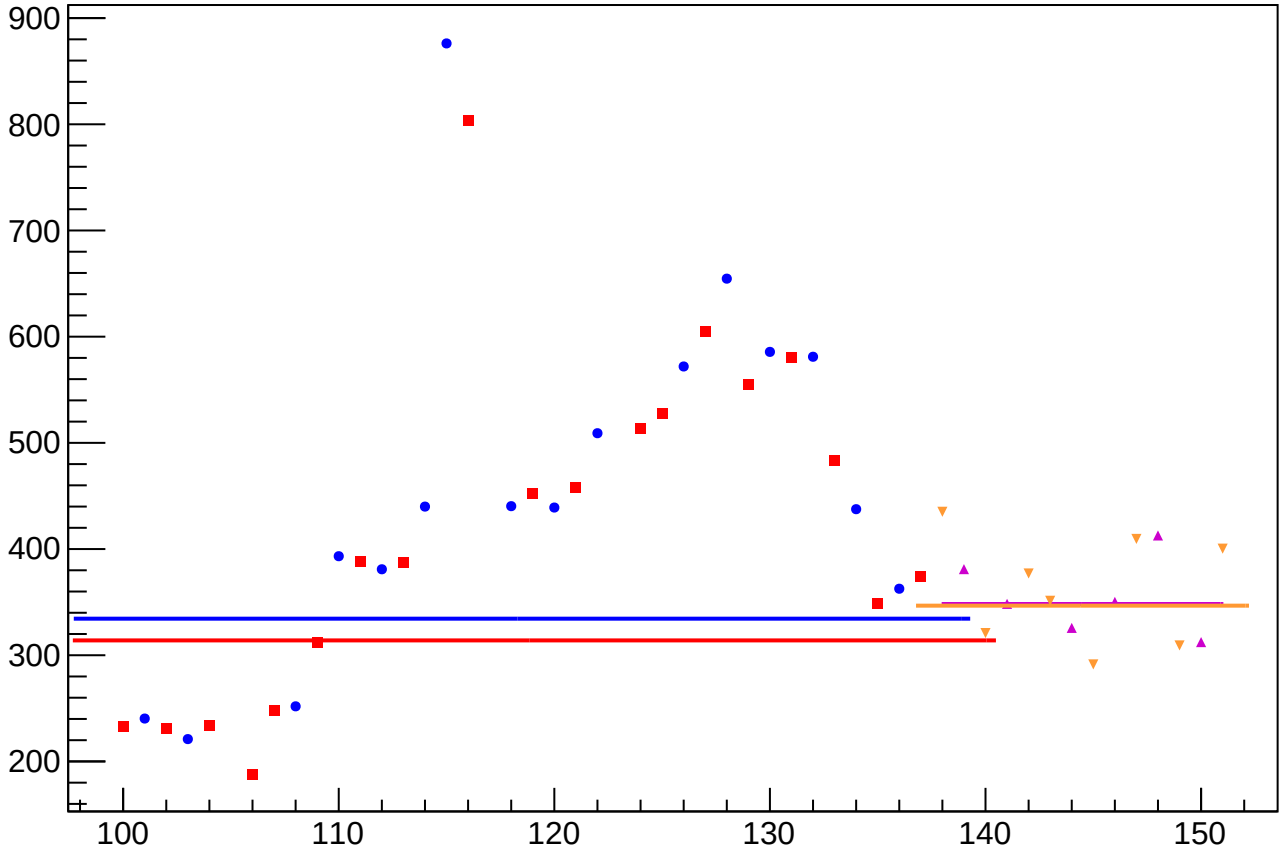
Left In: 254.608+/-153.476 χ^2/NDF:6.2/5

+ sign 138.020+/-96.805 χ^2/NDF: 25.2/23

All: 195.451+/-68.209 χ^2/NDF: 44.6/48

- sign 252.075+/-96.123 χ^2/NDF: 18.7/24

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 334.431+/-0.094 χ^2/NDF: 1730610.2/15

Left Out: 346.692+/-0.100 χ^2/NDF:231069.9/7

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

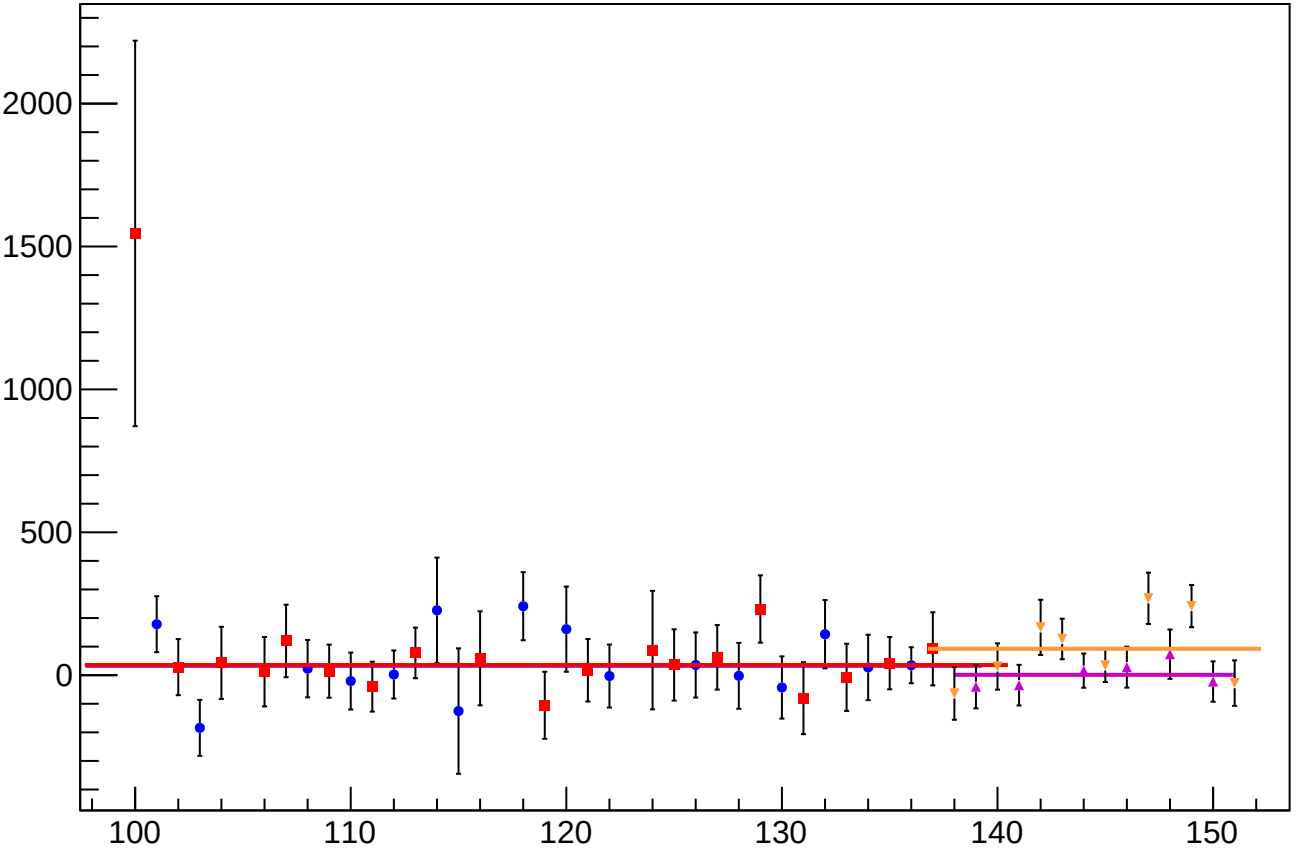
Left In: 348.247+/-0.109 χ^2/NDF:84797.3/5

+ sign 340.184+/-0.068 χ^2/NDF: 1969671.3/23

All: 333.755+/-0.048 χ^2/NDF: 4037218.9/48

- sign 327.416+/-0.068 χ^2/NDF: 2050028.1/24

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 92.458+/-27.320 χ^2/NDF:15.6/7

Right Out: 35.577+/-26.536 χ^2/NDF: 12.1/18

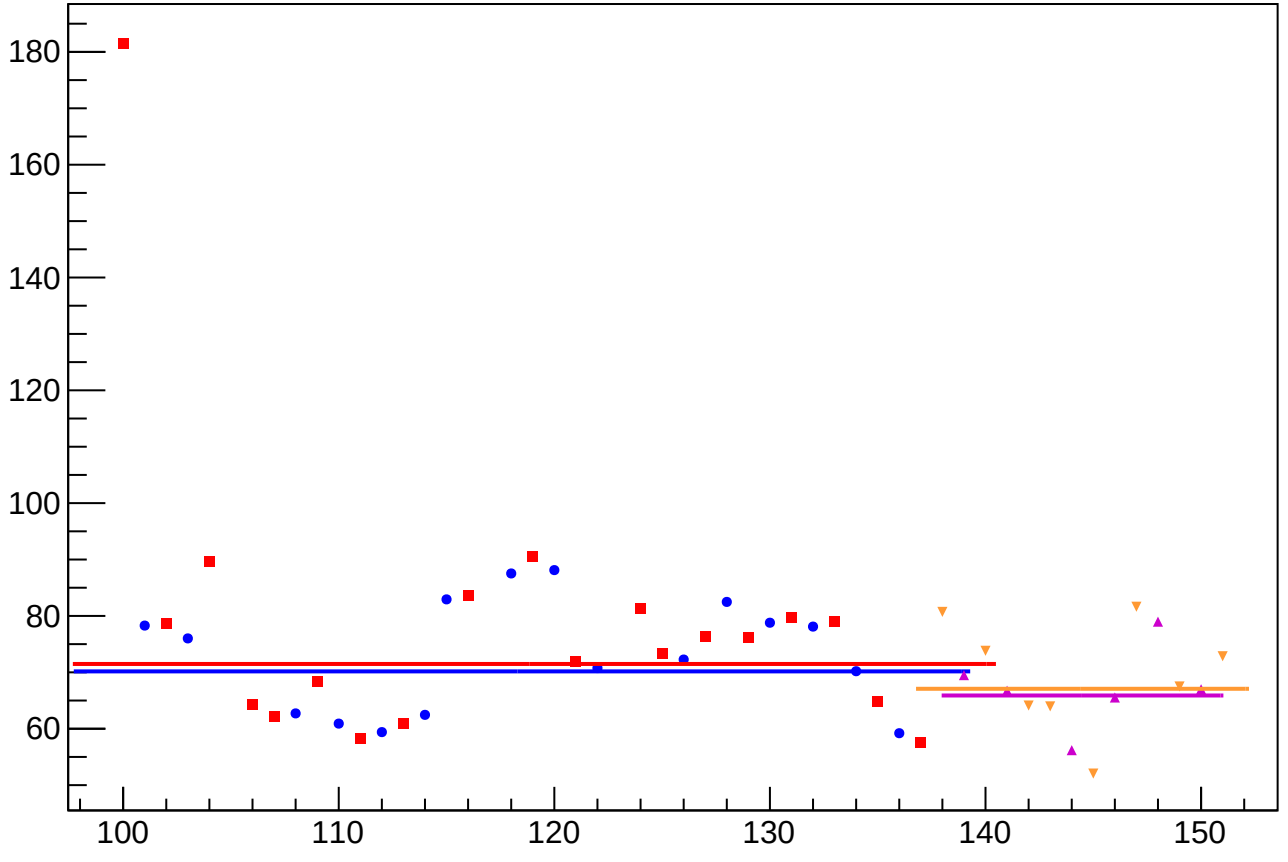
Left In: 1.251+/-29.117 χ^2/NDF:1.6/5

+ sign 61.933+/-18.990 χ^2/NDF: 32.5/23

All: 41.644+/-13.643 χ^2/NDF: 49.3/48

- sign 20.003+/-19.613 χ^2/NDF: 14.4/24

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 67.082+/-0.019 χ^2/NDF:261171.3/7

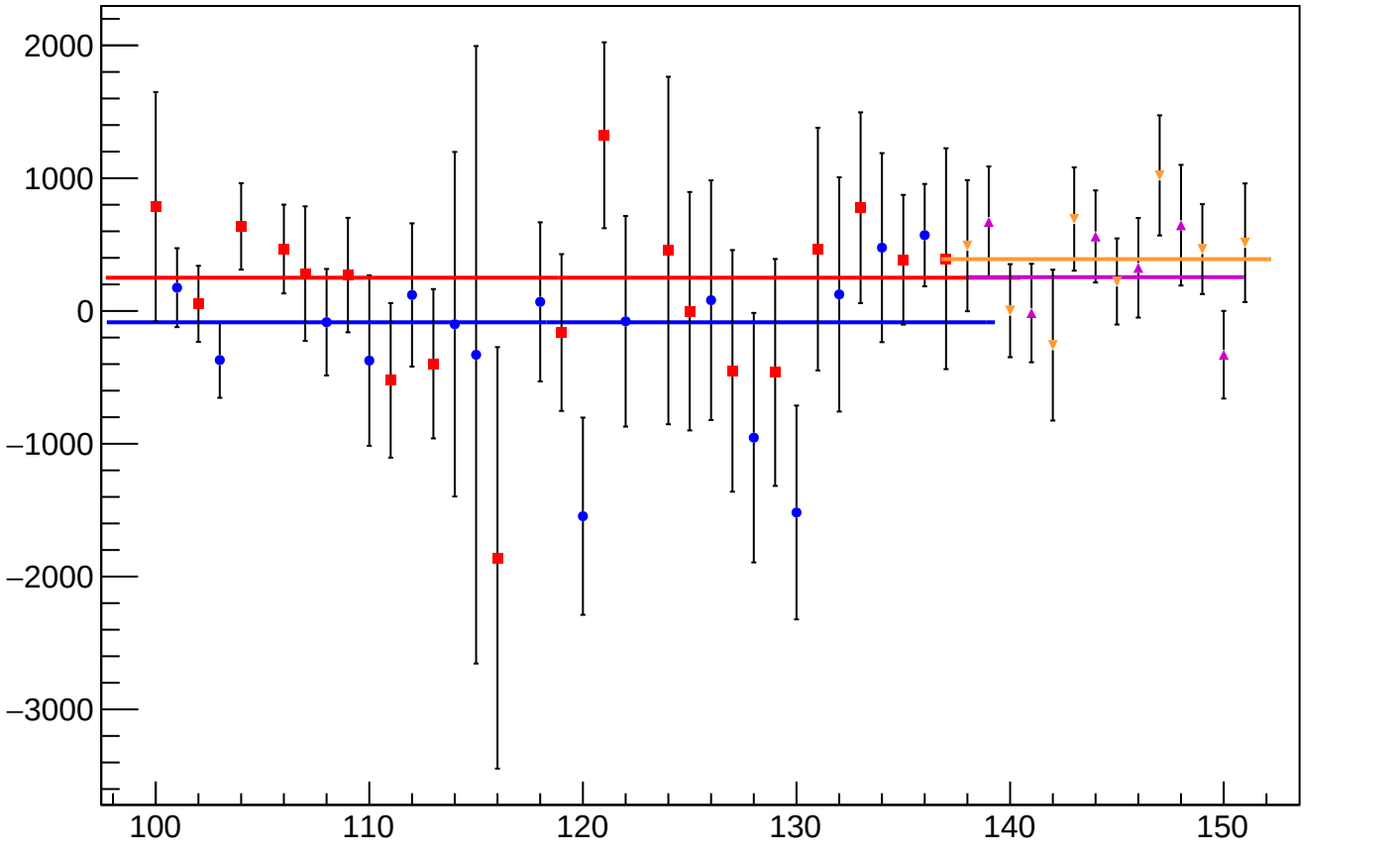
Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 65.895+/-0.021 χ^2/NDF:103781.5/5

+ sign 68.677+/-0.013 χ^2/NDF: 543604.1/23

All: 68.808+/-0.010 χ^2/NDF: 1013549.5/48

- sign 68.948+/-0.014 χ^2/NDF: 469748.8/24



Right In: -85.185+/-132.877 χ^2/NDF: 13.7/15

Left Out: 390.484+/-141.318 χ^2/NDF:5.5/7

Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

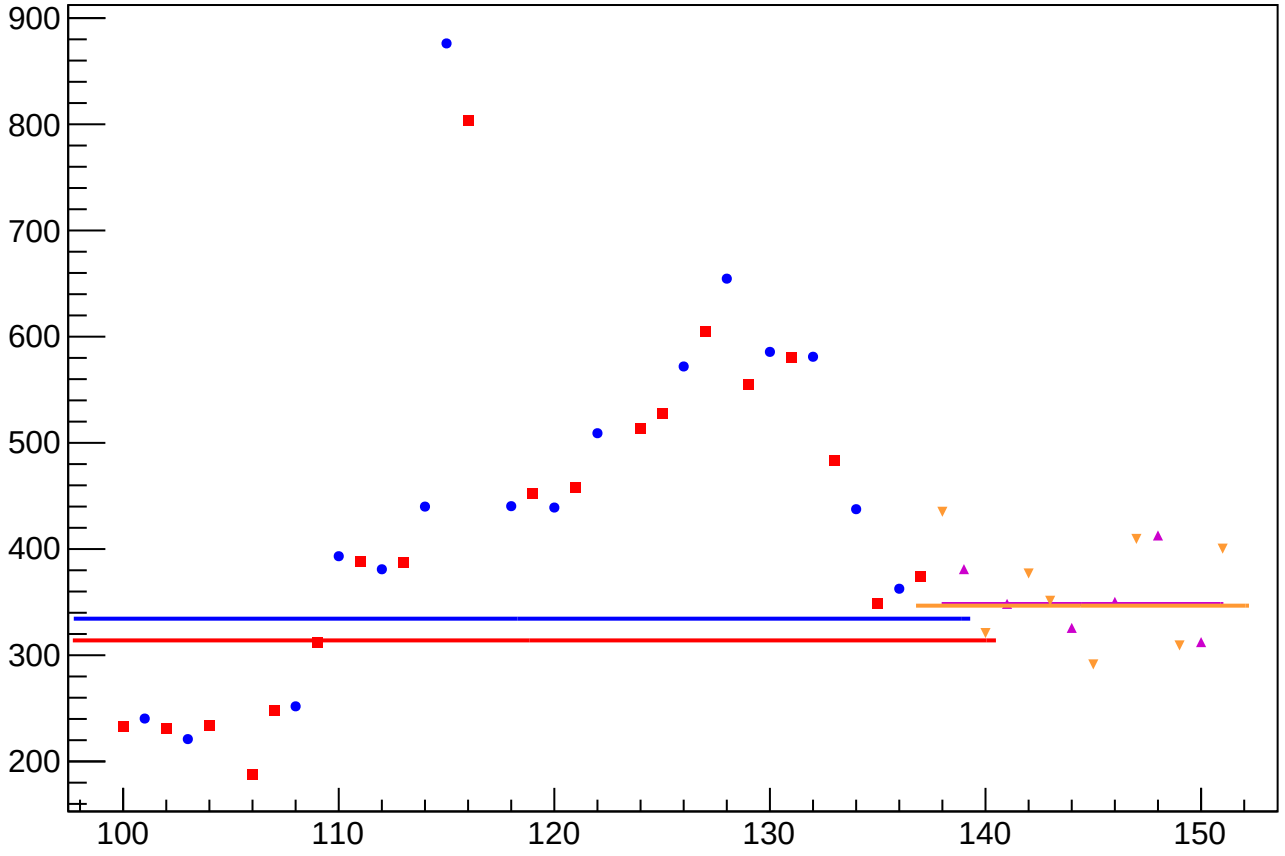
Left In: 254.608+/-153.476 χ^2/NDF:6.2/5

+ sign 138.020+/-96.805 χ^2/NDF: 25.2/23

All: 195.451+/-68.209 χ^2/NDF: 44.6/48

- sign 252.075+/-96.123 χ^2/NDF: 18.7/24

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug



Right In: 334.431+/-0.094 χ^2/NDF: 1730609.3/15

Left Out: 346.692+/-0.100 χ^2/NDF:231071.6/7

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

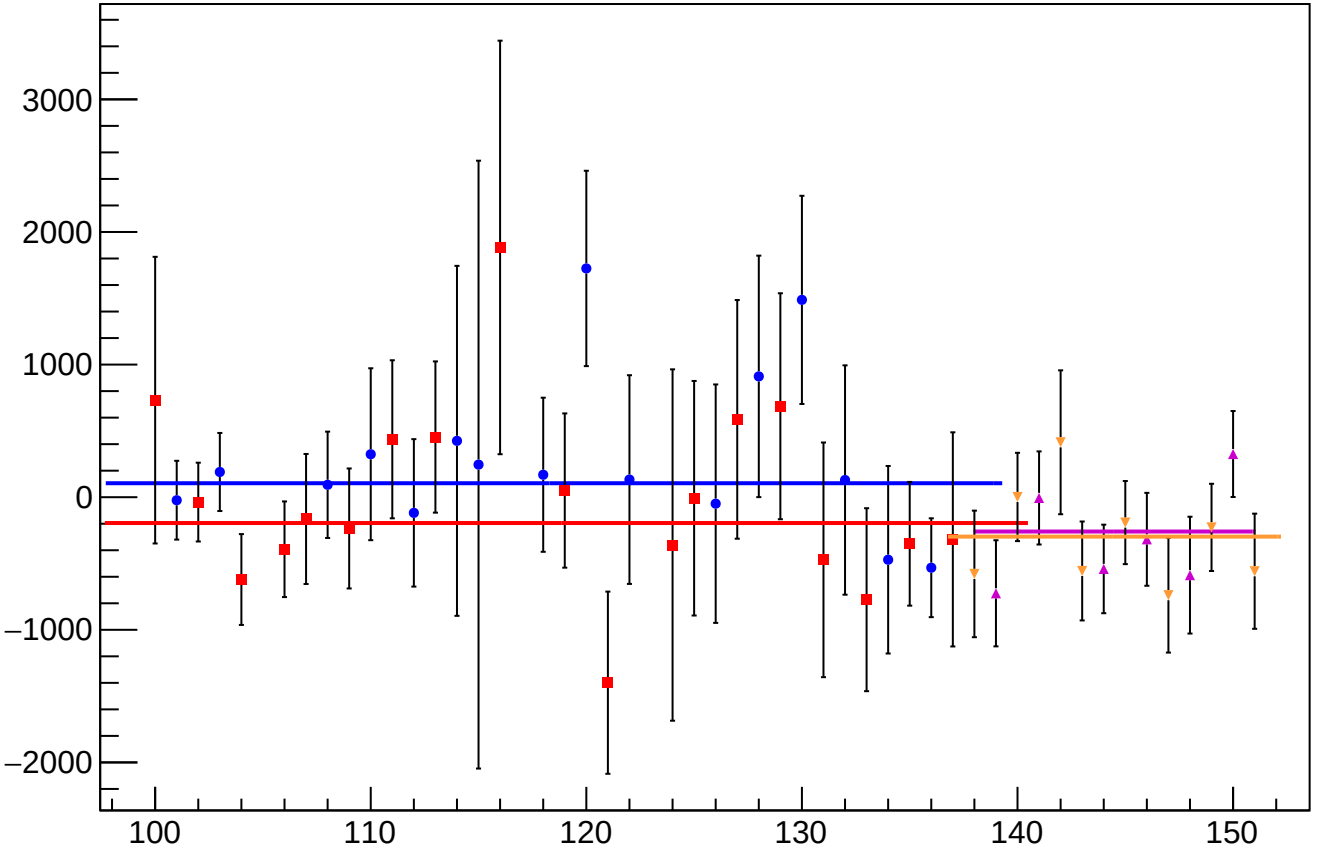
Left In: 348.247+/-0.109 χ^2/NDF:84797.1/5

+ sign 340.184+/-0.068 χ^2/NDF: 1969671.5/23

All: 333.755+/-0.048 χ^2/NDF: 4037217.5/48

- sign 327.416+/-0.068 χ^2/NDF: 2050026.5/24

asym_sam_37_48_dd_mean vs Slug



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -297.245+/-135.999 χ^2/NDF:4.9/7

Right Out: -194.712+/-126.198 χ^2/NDF: 13.1/18

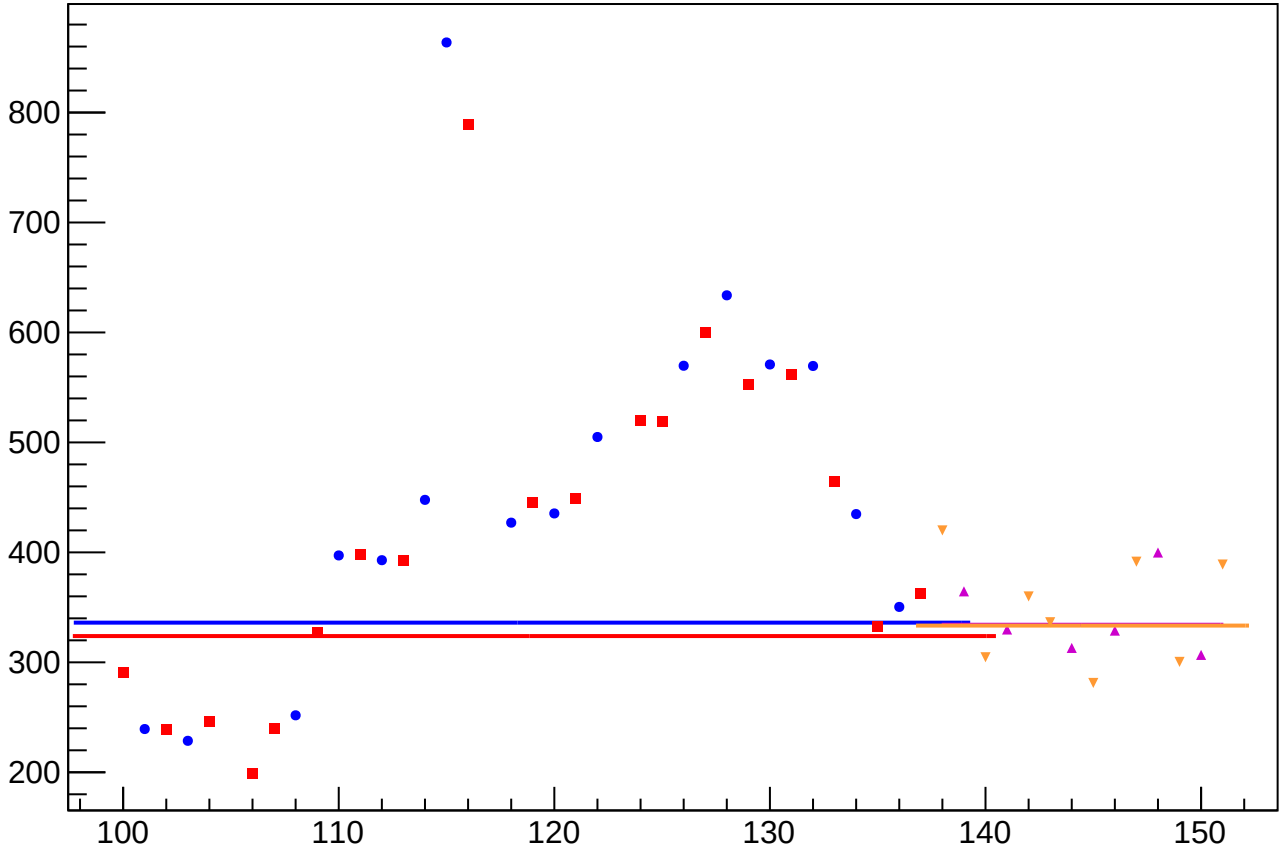
Left In: -258.846+/-147.201 χ^2/NDF:6.4/5

+ sign -91.508+/-95.105 χ^2/NDF: 22.4/23

All: -156.214+/-67.497 χ^2/NDF: 43.0/48

- sign -221.881+/-95.808 χ^2/NDF: 19.7/24

asym_sam_37_48_dd_rms vs Slug



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 333.418+/-0.096 χ^2/NDF:229980.6/7

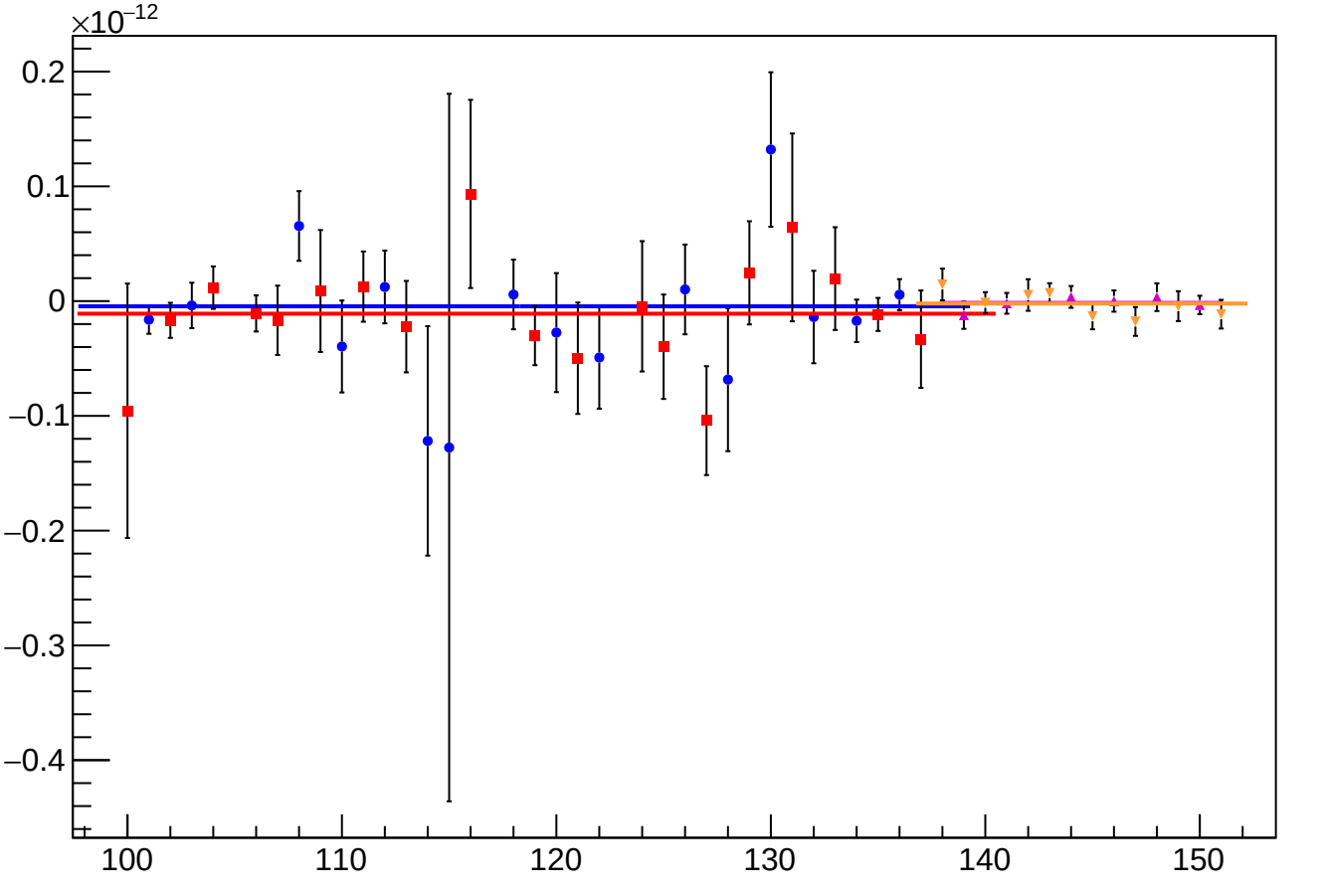
Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 334.182+/-0.104 χ^2/NDF:79035.7/5

+ sign 334.784+/-0.067 χ^2/NDF: 1849373.0/23

All: 331.540+/-0.048 χ^2/NDF: 3604159.0/48

- sign 328.247+/-0.068 χ^2/NDF: 1750096.6/24



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.0/7

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

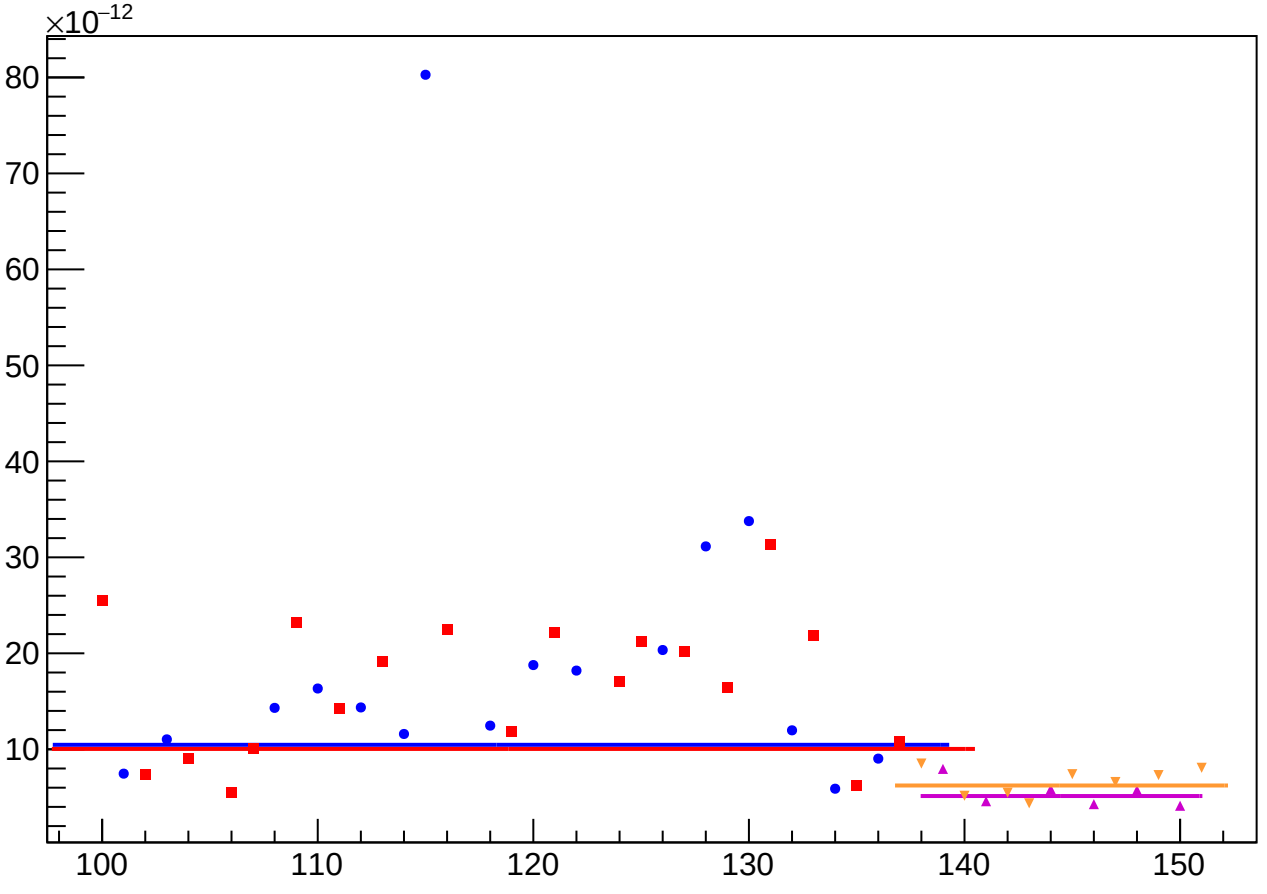
Left In: -0.000+/-0.000 χ^2/NDF:1.4/5

+ sign -0.000+/-0.000 χ^2/NDF: 22.6/23

All: -0.000+/-0.000 χ^2/NDF: 37.9/48

- sign -0.000+/-0.000 χ^2/NDF: 15.3/24

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:261459.3/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

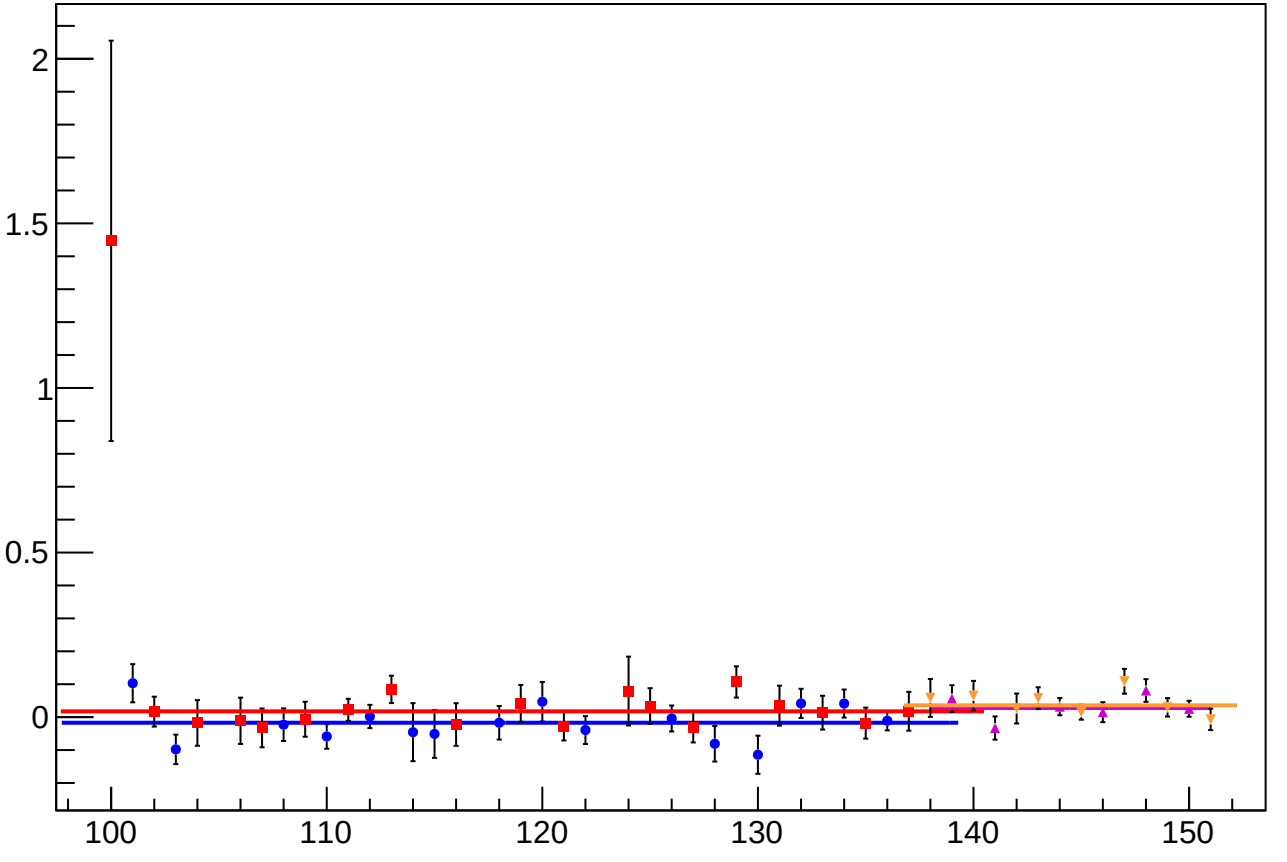
Left In: 0.000+/-0.000 χ^2/NDF:185247.4/5

+ sign 0.000+/-0.000 χ^2/NDF: 2068375.1/23

All: 0.000+/-0.000 χ^2/NDF: 4596038.2/48

- sign 0.000+/-0.000 χ^2/NDF: 2450990.9/24

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+/-0.012 χ^2/NDF:7.4/7

Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

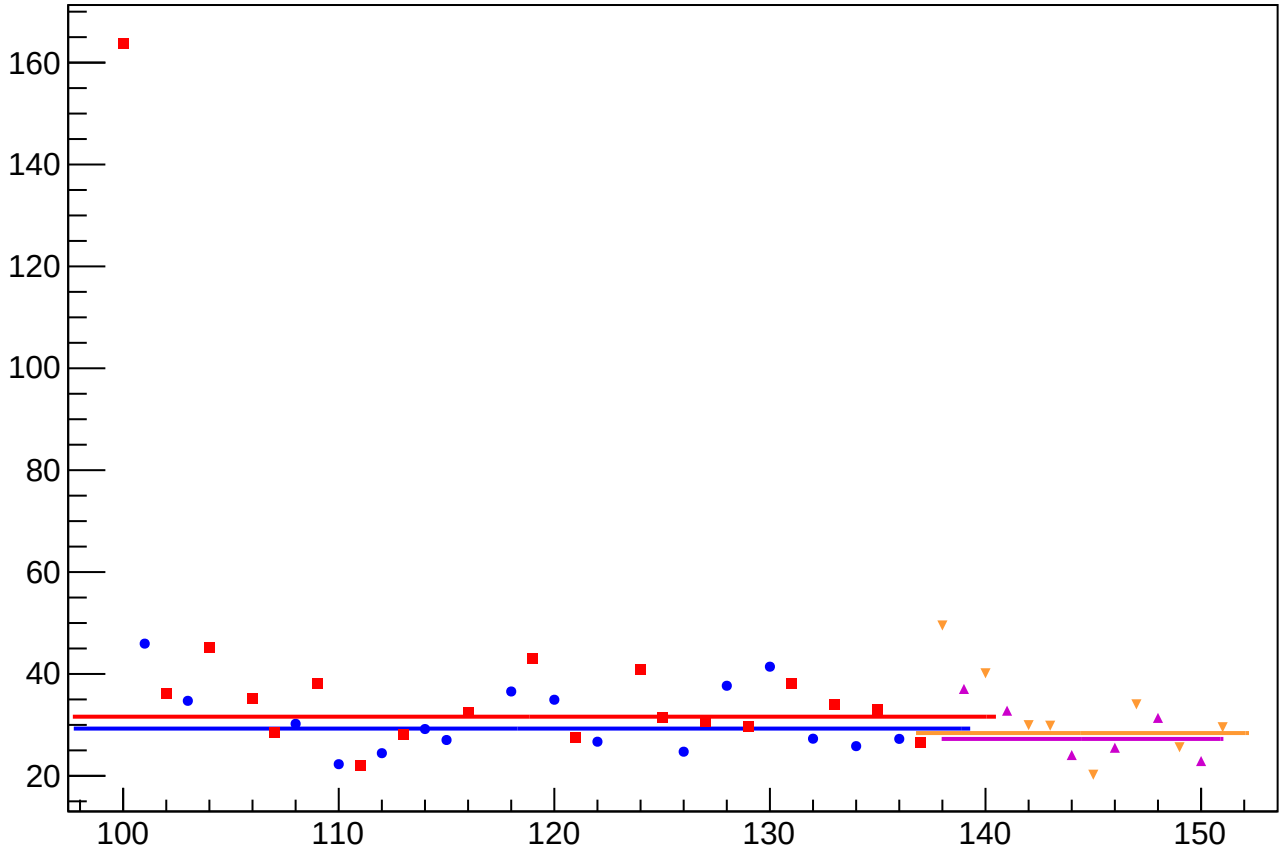
Left In: 0.028+/-0.012 χ^2/NDF:6.0/5

+ sign 0.008+/-0.008 χ^2/NDF: 36.5/23

All: 0.015+/-0.006 χ^2/NDF: 61.2/48

- sign 0.023+/-0.009 χ^2/NDF: 23.2/24

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: 28.400+/-0.008 χ^2/NDF:734384.0/7

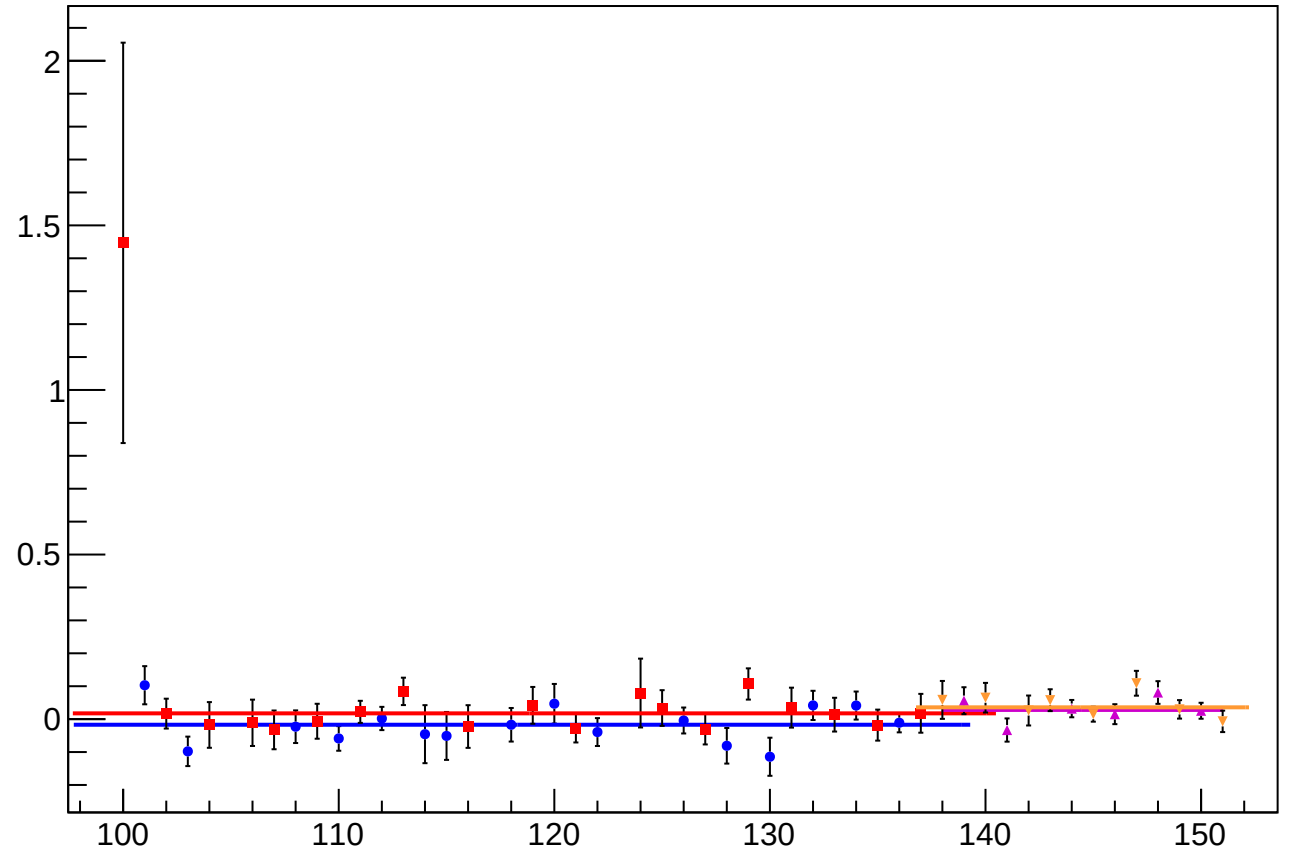
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 27.246+/-0.009 χ^2/NDF:293034.5/5

+ sign 28.862+/-0.006 χ^2/NDF: 1300726.3/23

All: 29.158+/-0.004 χ^2/NDF: 2298272.2/48

- sign 29.487+/-0.006 χ^2/NDF: 992063.1/24



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.036+/-0.012 χ^2/NDF:7.4/7

Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

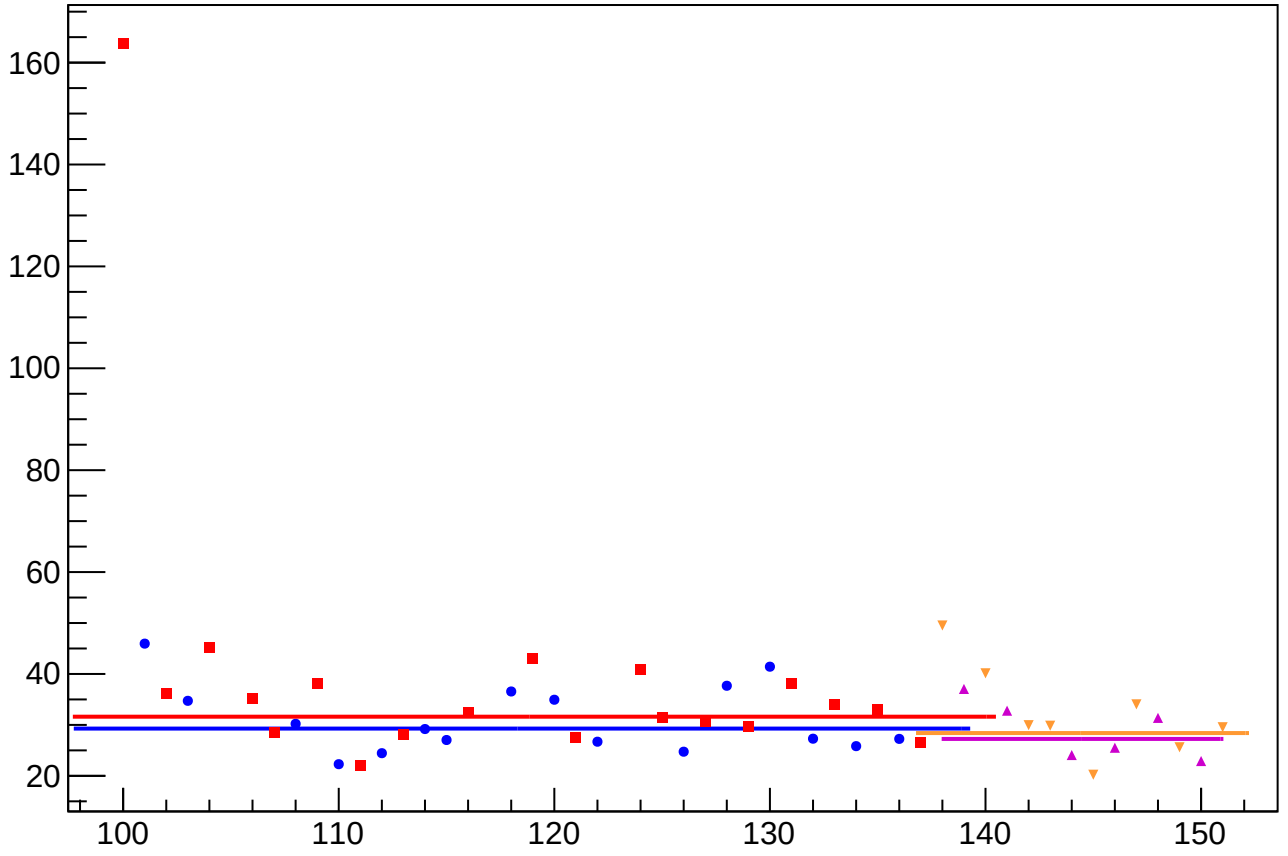
Left In: 0.028+/-0.012 χ^2/NDF:6.0/5

+ sign 0.008+/-0.008 χ^2/NDF: 36.5/23

All: 0.015+/-0.006 χ^2/NDF: 61.2/48

- sign 0.023+/-0.009 χ^2/NDF: 23.2/24

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.400+/-0.008 χ^2/NDF:734384.0/7

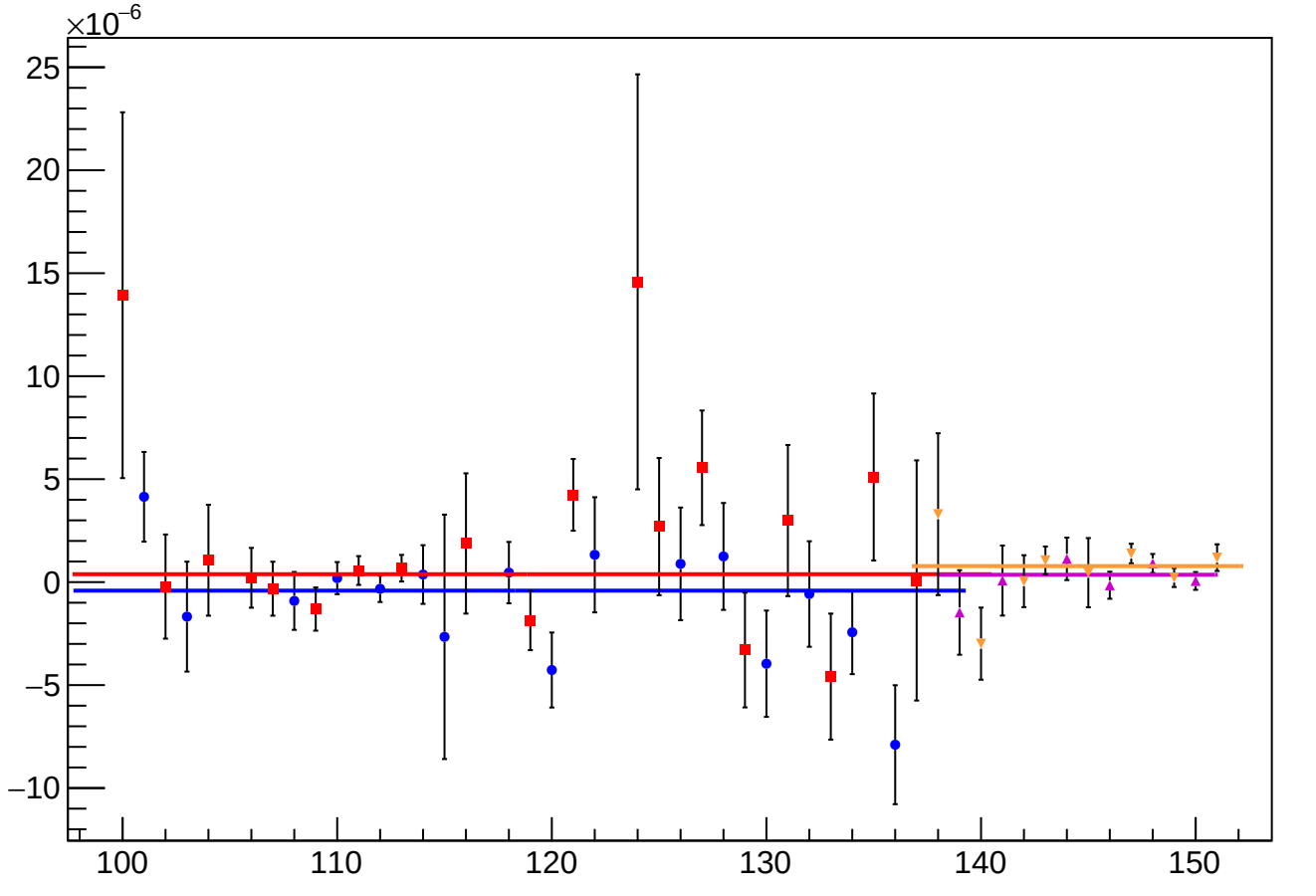
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 27.246+/-0.009 χ^2/NDF:293034.5/5

+ sign 28.862+/-0.006 χ^2/NDF: 1300726.3/23

All: 29.158+/-0.004 χ^2/NDF: 2298272.2/48

- sign 29.487+/-0.006 χ^2/NDF: 992063.1/24



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.1/7

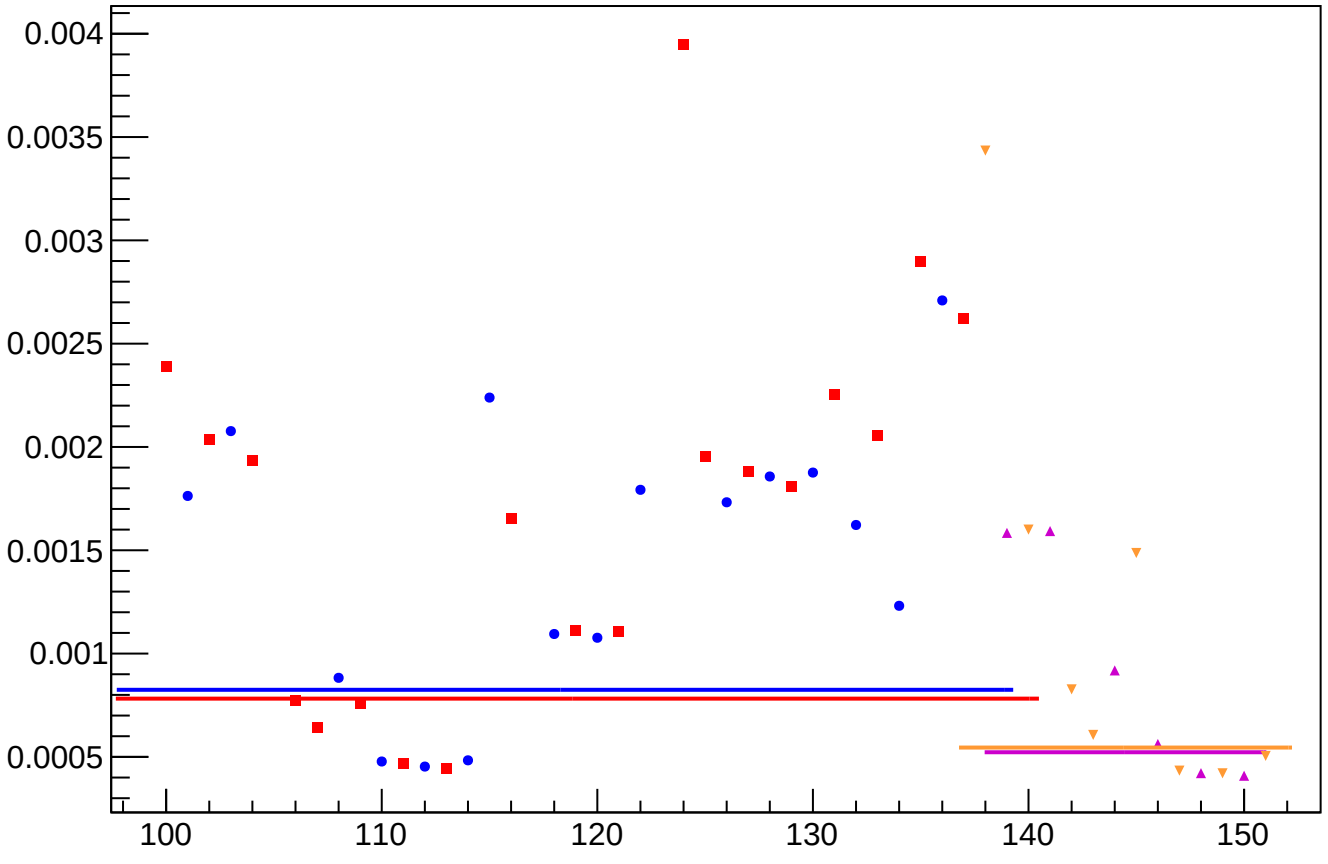
Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/18

Left In: 0.000+/-0.000 χ^2/NDF:3.9/5

+ sign 0.000+/-0.000 χ^2/NDF: 37.3/23

All: 0.000+/-0.000 χ^2/NDF: 66.5/48

- sign 0.000+/-0.000 χ^2/NDF: 29.2/24



Right In: 0.001+/-0.000 χ^2/NDF: 4448725.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:2815476.5/7

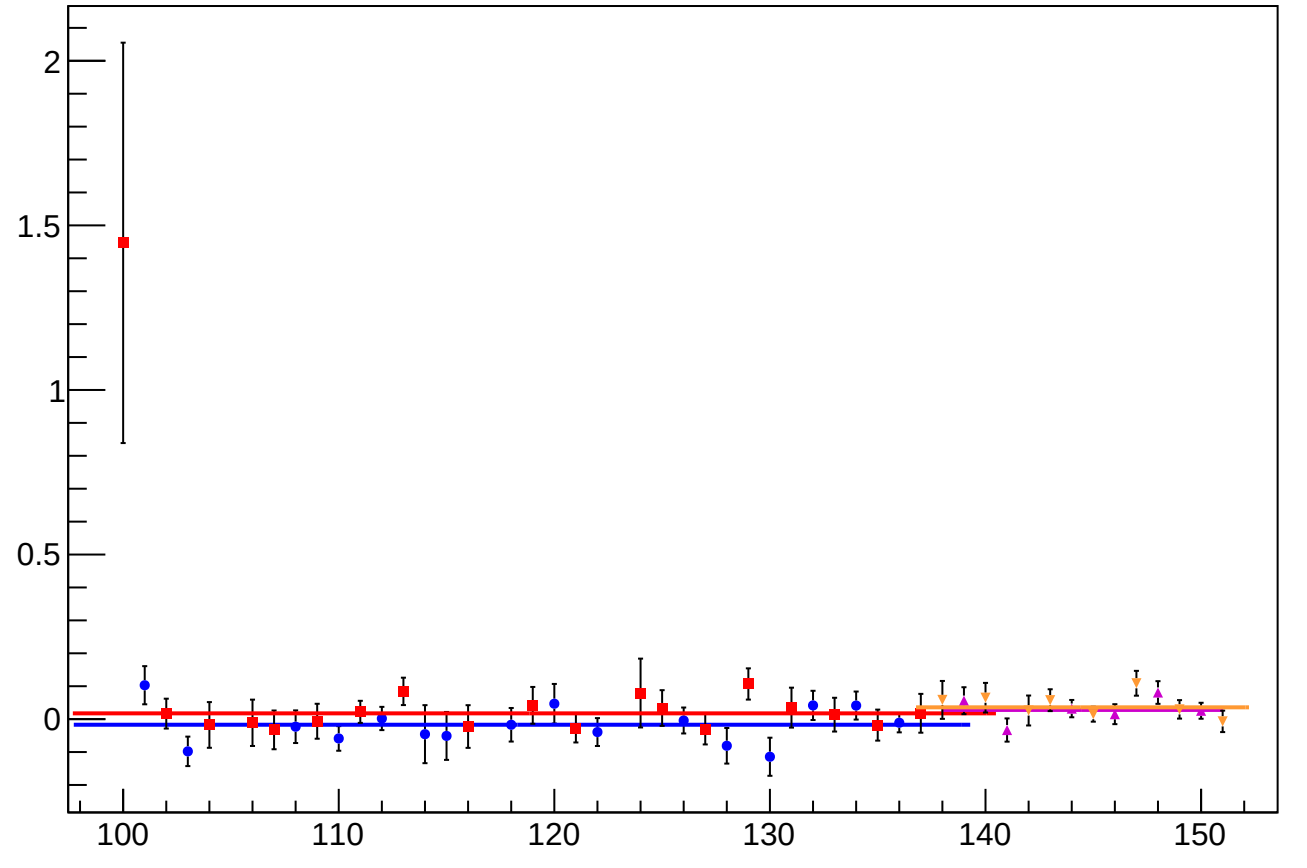
Right Out: 0.001+/-0.000 χ^2/NDF: 4638419.3/18

Left In: 0.001+/-0.000 χ^2/NDF:1864518.8/5

+ sign 0.001+/-0.000 χ^2/NDF: 8031645.6/23

All: 0.001+/-0.000 χ^2/NDF: 15238077.4/48

- sign 0.001+/-0.000 χ^2/NDF: 7199708.5/24



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.036+/-0.012 χ^2/NDF:7.4/7

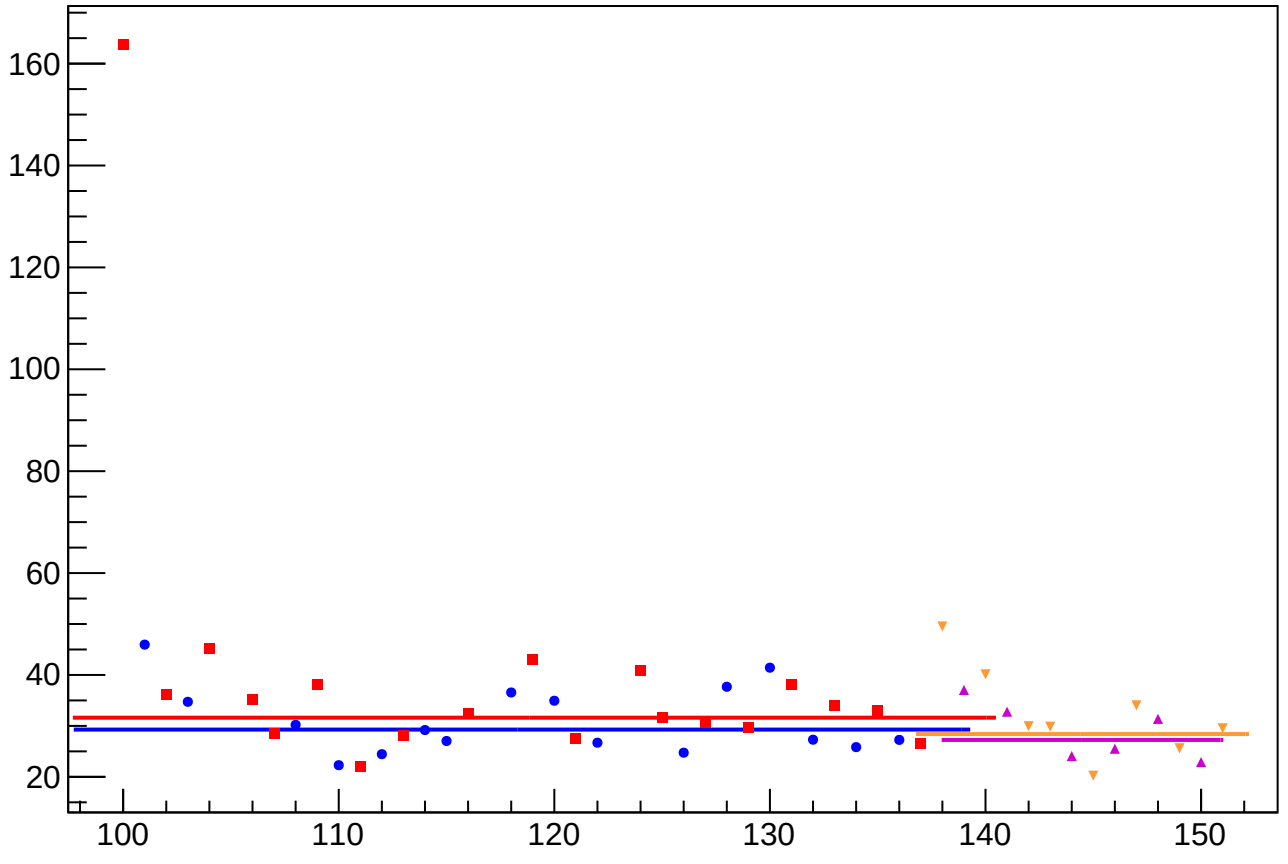
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.028+/-0.012 χ^2/NDF:6.0/5

+ sign 0.008+/-0.008 χ^2/NDF: 36.5/23

All: 0.015+/-0.006 χ^2/NDF: 61.2/48

- sign 0.023+/-0.009 χ^2/NDF: 23.2/24



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 28.400+/-0.008 χ^2/NDF:734430.8/7

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

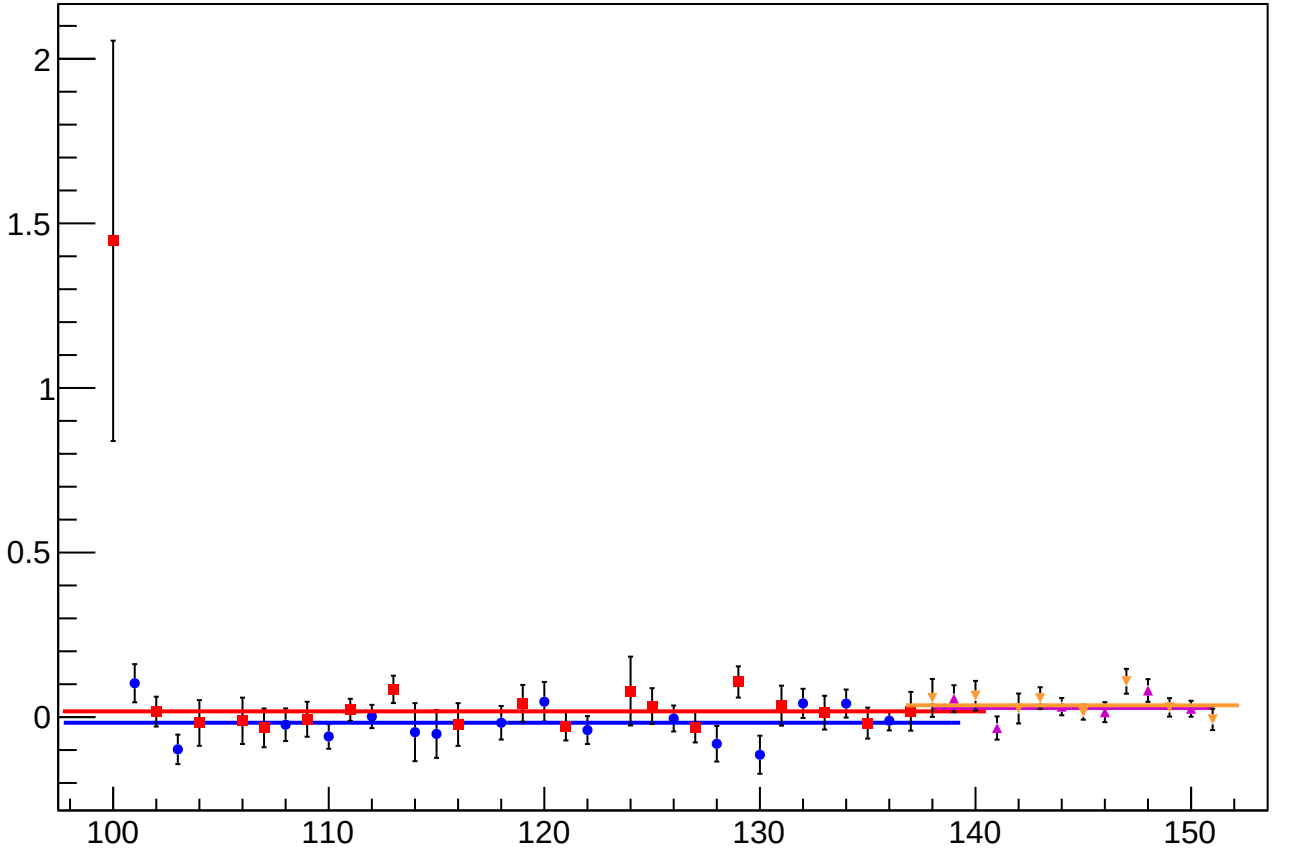
Left In: 27.246+/-0.009 χ^2/NDF:293007.0/5

+ sign 28.861+/-0.006 χ^2/NDF: 1300778.6/23

All: 29.158+/-0.004 χ^2/NDF: 2298309.5/48

- sign 29.487+/-0.006 χ^2/NDF: 992043.8/24

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.036+/-0.012 χ^2/NDF:7.4/7

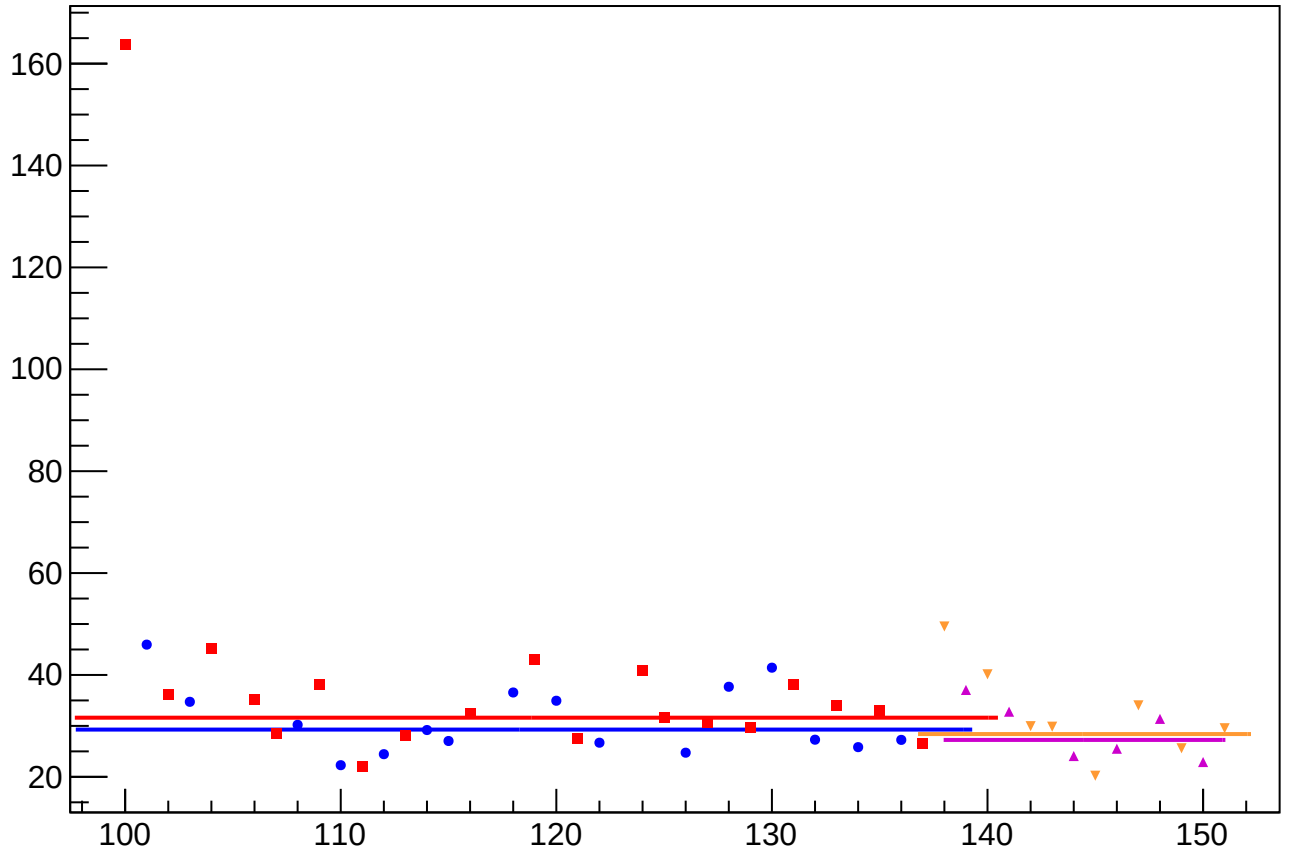
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.028+/-0.012 χ^2/NDF:6.0/5

+ sign 0.008+/-0.008 χ^2/NDF: 36.5/23

All: 0.015+/-0.006 χ^2/NDF: 61.2/48

- sign 0.023+/-0.009 χ^2/NDF: 23.2/24



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 28.400+/-0.008 χ^2/NDF:734430.8/7

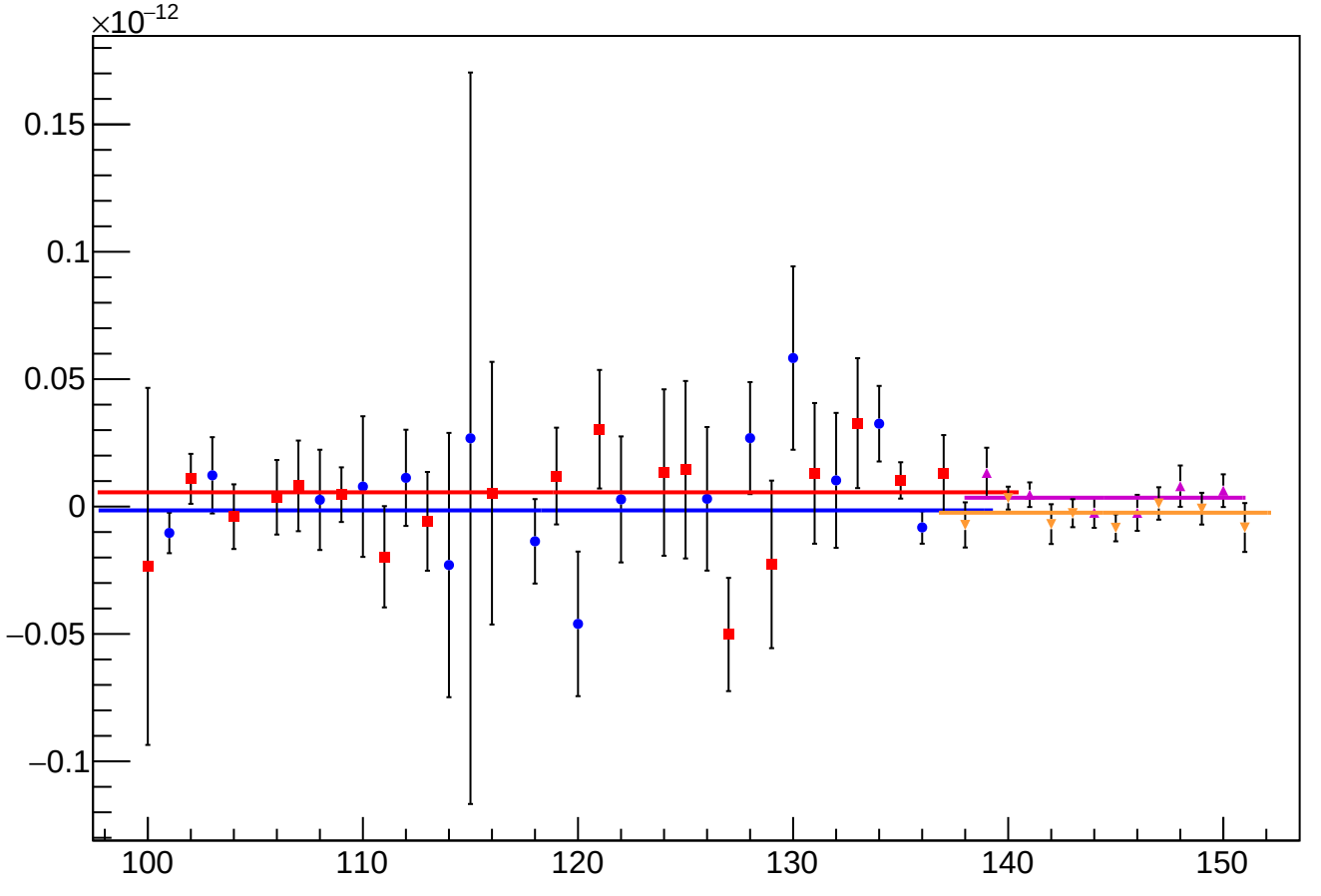
Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 27.246+/-0.009 χ^2/NDF:293007.0/5

+ sign 28.861+/-0.006 χ^2/NDF: 1300778.6/23

All: 29.158+/-0.004 χ^2/NDF: 2298309.5/48

- sign 29.487+/-0.006 χ^2/NDF: 992043.8/24



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.2/7

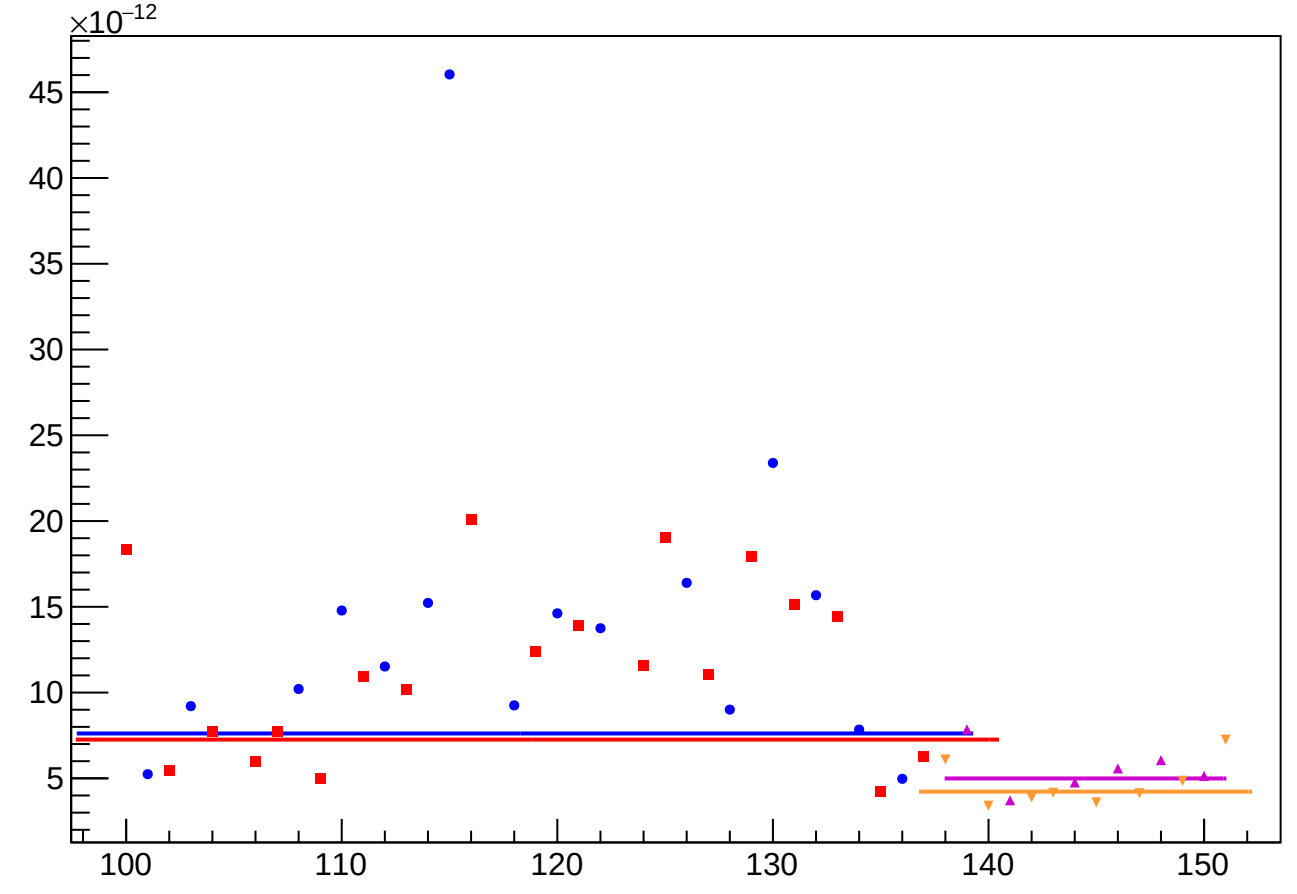
Right Out: 0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: 0.000+/-0.000 χ^2/NDF:3.2/5

+ sign -0.000+/-0.000 χ^2/NDF: 21.2/23

All: 0.000+/-0.000 χ^2/NDF: 43.0/48

- sign 0.000+/-0.000 χ^2/NDF: 16.8/24



Right In: 0.000+/-0.000 χ^2/NDF: 2021305.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:408730.3/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1998231.7/18

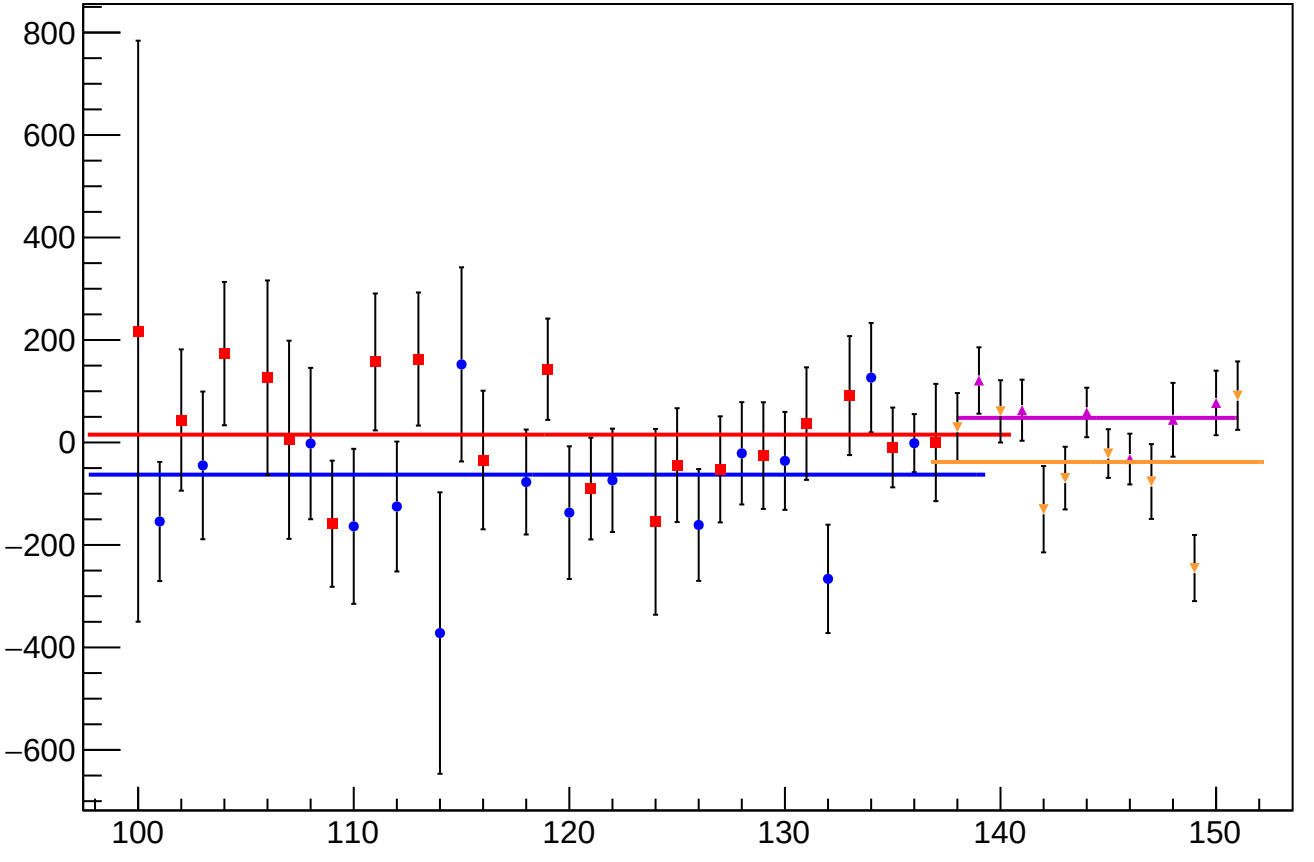
Left In: 0.000+/-0.000 χ^2/NDF:359869.8/5

+ sign 0.000+/-0.000 χ^2/NDF: 3614595.5/23

All: 0.000+/-0.000 χ^2/NDF: 6601028.9/48

- sign 0.000+/-0.000 χ^2/NDF: 2861635.6/24

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: -38.045+/-22.360 χ^2/NDF:19.6/7

Right Out: 15.288+/-27.770 χ^2/NDF: 11.5/18

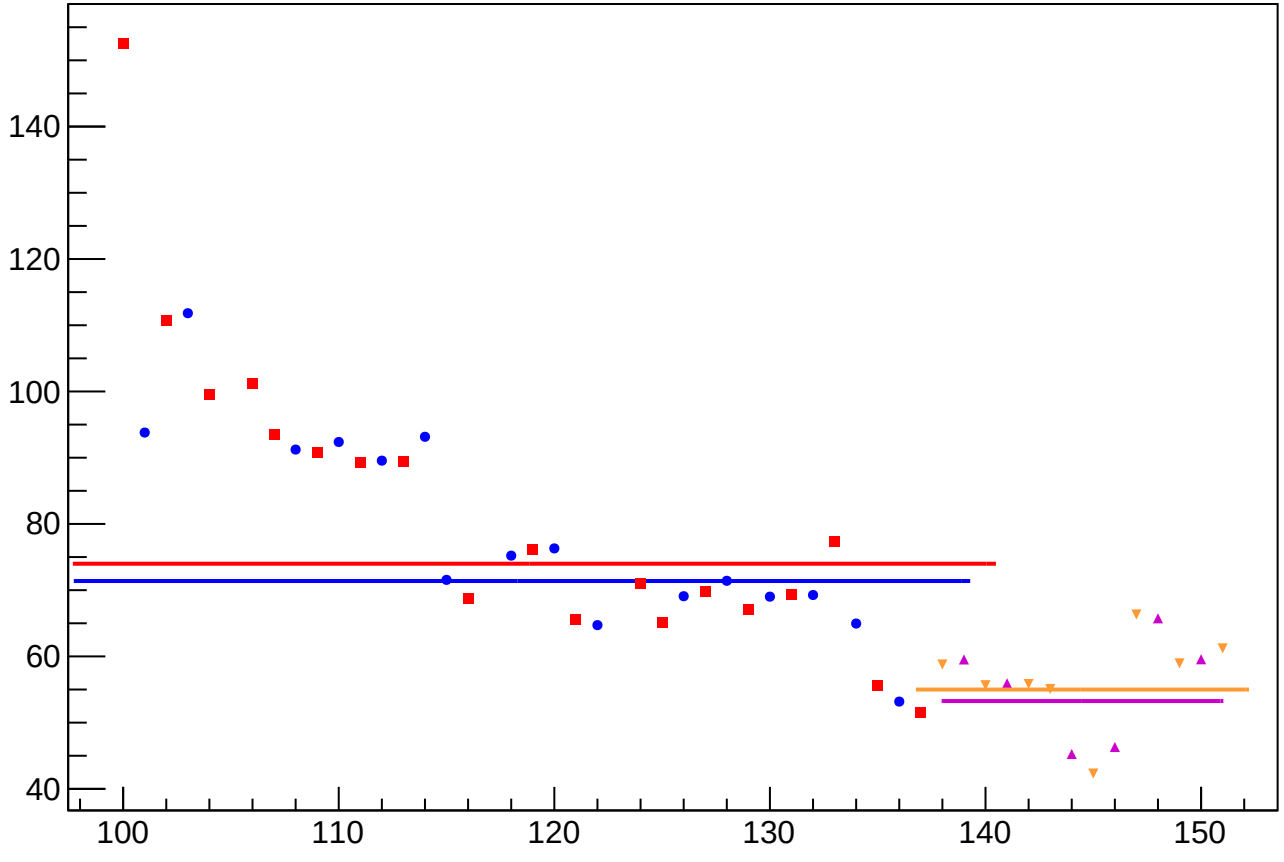
Left In: 48.000+/-23.566 χ^2/NDF:4.2/5

+ sign -48.021+/-17.276 χ^2/NDF: 33.6/23

All: -8.474+/-12.454 χ^2/NDF: 61.0/48

- sign 34.304+/-17.968 χ^2/NDF: 16.5/24

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 54.995+/-0.016 χ^2/NDF:222924.3/7

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

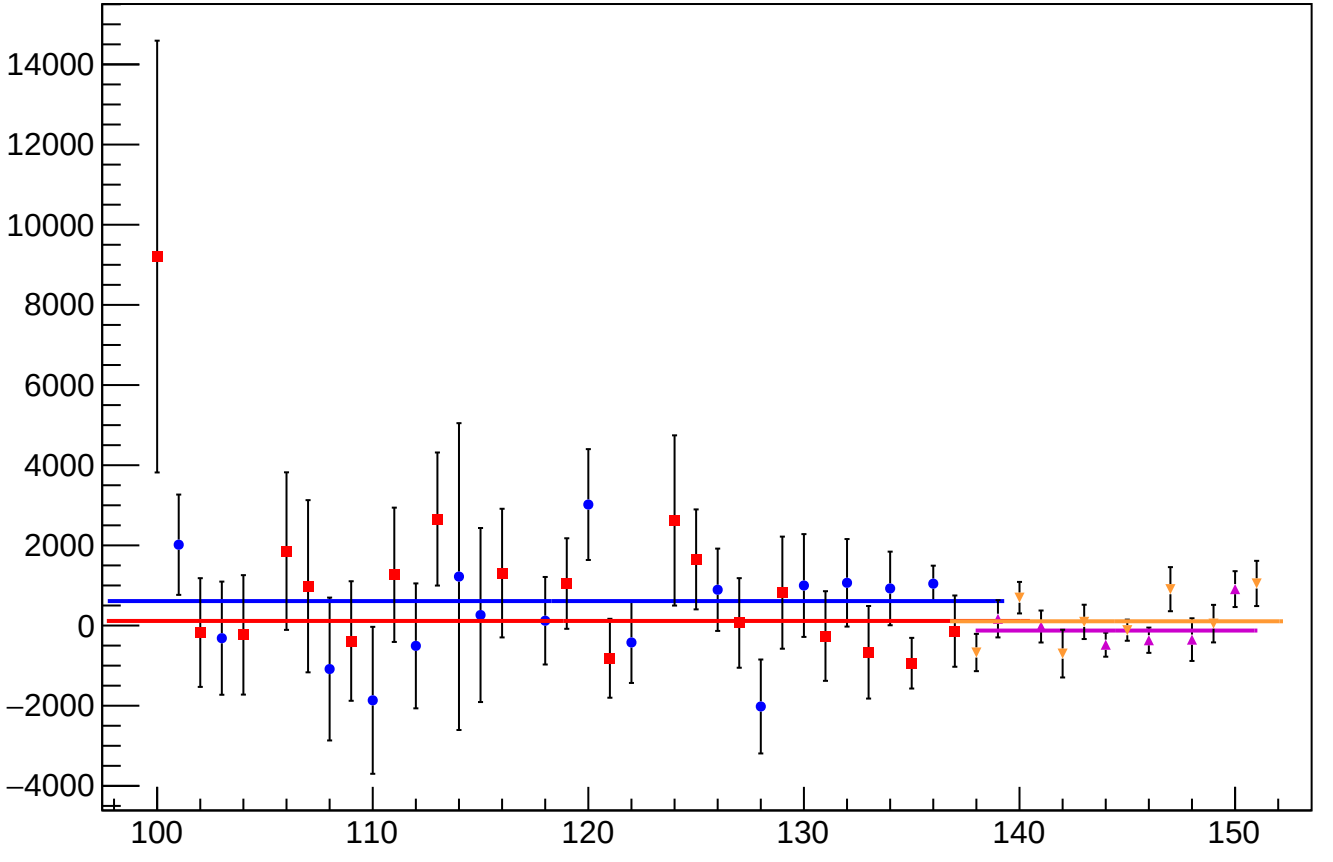
Left In: 53.262+/-0.017 χ^2/NDF:197027.2/5

+ sign 61.600+/-0.012 χ^2/NDF: 1246844.6/23

All: 61.764+/-0.009 χ^2/NDF: 2730719.4/48

- sign 61.941+/-0.013 χ^2/NDF: 1483499.6/24

asym_sam_15_26_dd_reg_correction_mean vs Slug



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: 106.341+/-149.462 χ^2/NDF:12.5/7

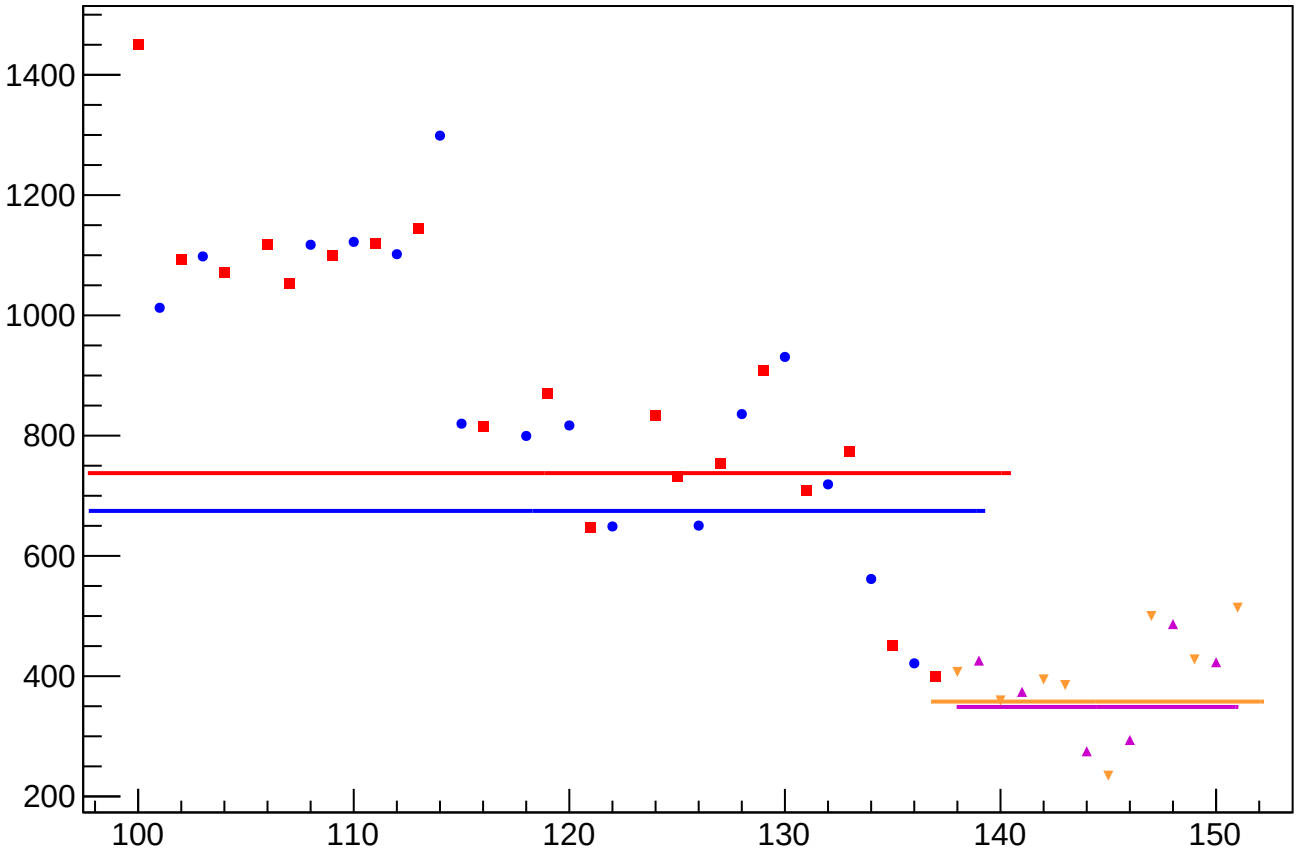
Right Out: 114.633+/-284.312 χ^2/NDF: 15.6/18

Left In: -125.103+/-156.785 χ^2/NDF:8.0/5

+ sign 226.780+/-130.396 χ^2/NDF: 30.9/23

All: 86.411+/-94.548 χ^2/NDF: 57.5/48

- sign -69.199+/-137.293 χ^2/NDF: 24.1/24



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 357.766+/-0.106 χ^2/NDF:806918.6/7

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

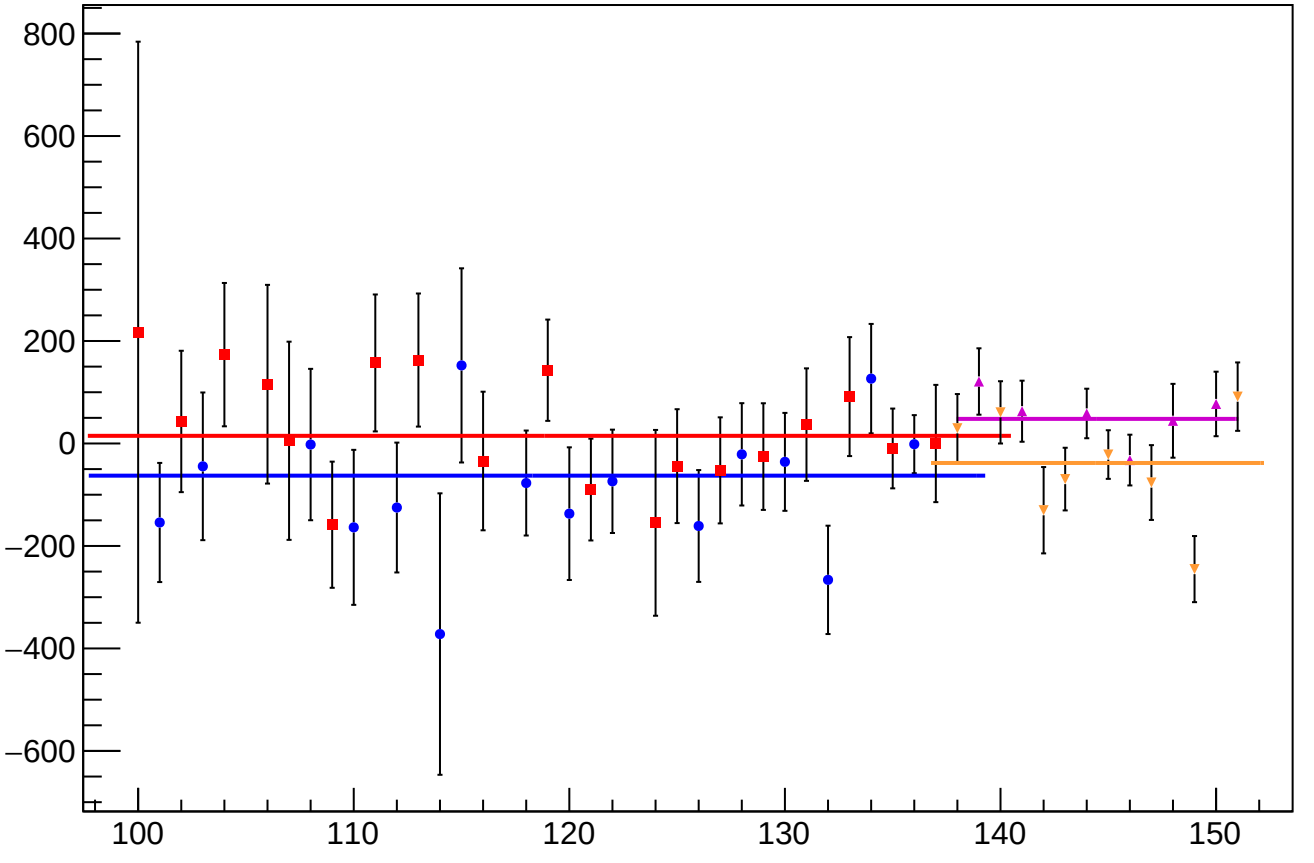
Left In: 348.796+/-0.111 χ^2/NDF:434385.5/5

+ sign 433.501+/-0.092 χ^2/NDF: 4574376.6/23

All: 436.335+/-0.067 χ^2/NDF: 9396674.5/48

- sign 439.478+/-0.097 χ^2/NDF: 4820305.0/24

cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -38.046+/-22.360 χ^2/NDF:19.6/7

Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

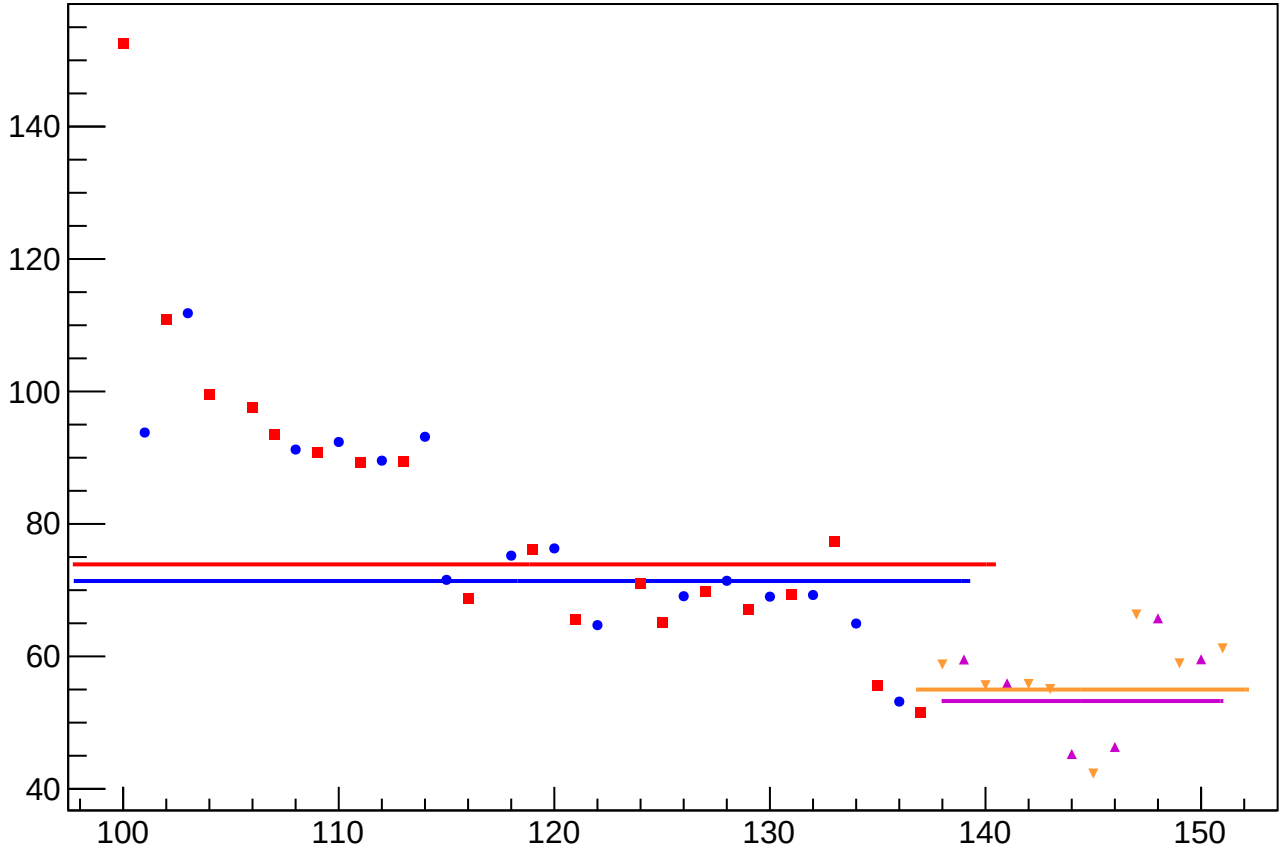
Left In: 48.000+/-23.566 χ^2/NDF:4.2/5

+ sign -48.018+/-17.276 χ^2/NDF: 33.6/23

All: -8.549+/-12.455 χ^2/NDF: 60.9/48

- sign 34.163+/-17.972 χ^2/NDF: 16.4/24

cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 54.995+/-0.016 χ^2/NDF:222924.3/7

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

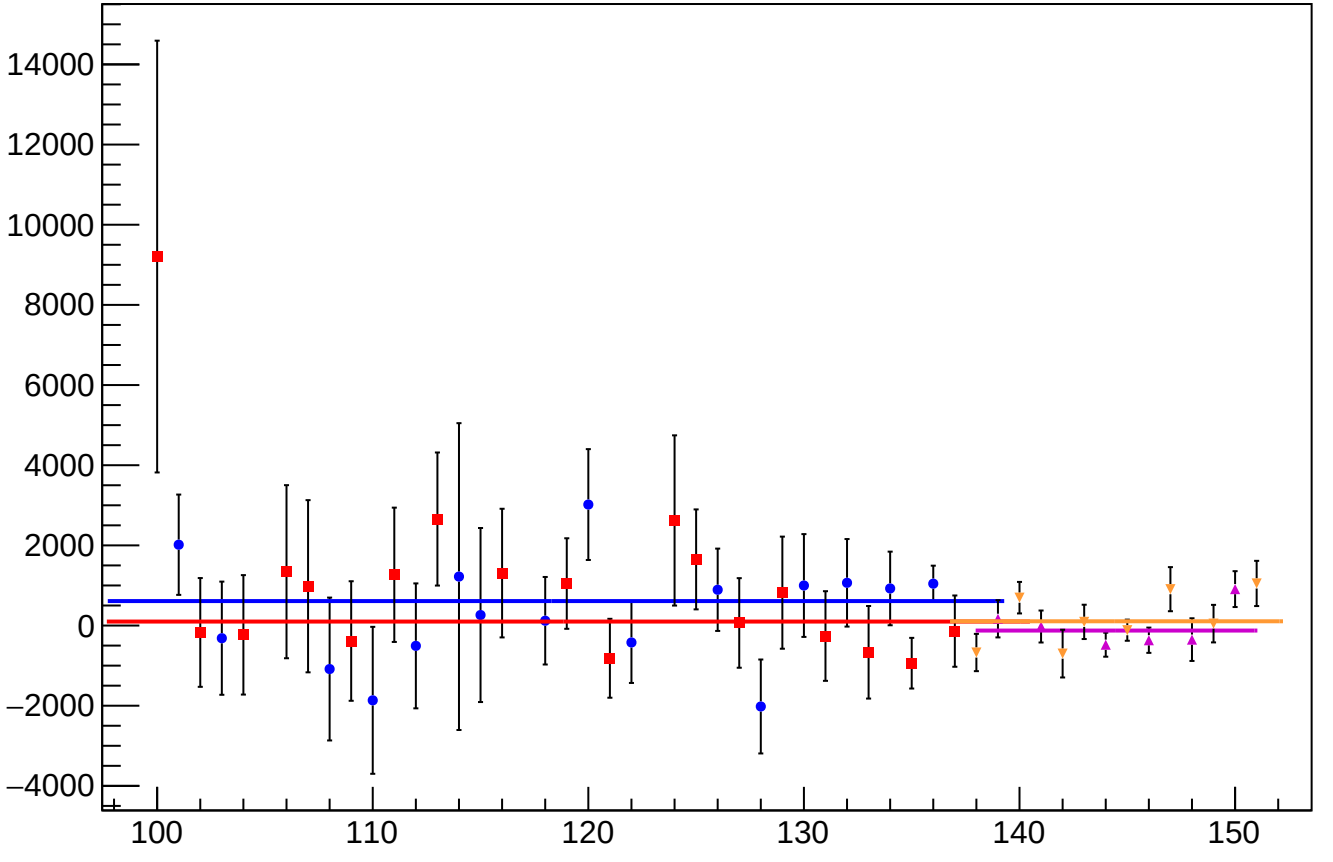
Left In: 53.262+/-0.017 χ^2/NDF:197027.2/5

+ sign 61.600+/-0.012 χ^2/NDF: 1246847.2/23

All: 61.742+/-0.009 χ^2/NDF: 2712619.1/48

- sign 61.895+/-0.013 χ^2/NDF: 1465492.0/24

asym_sam_15_26_dd_cor_correction_mean vs Slug



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 106.338+/-149.462 χ^2/NDF:12.5/7

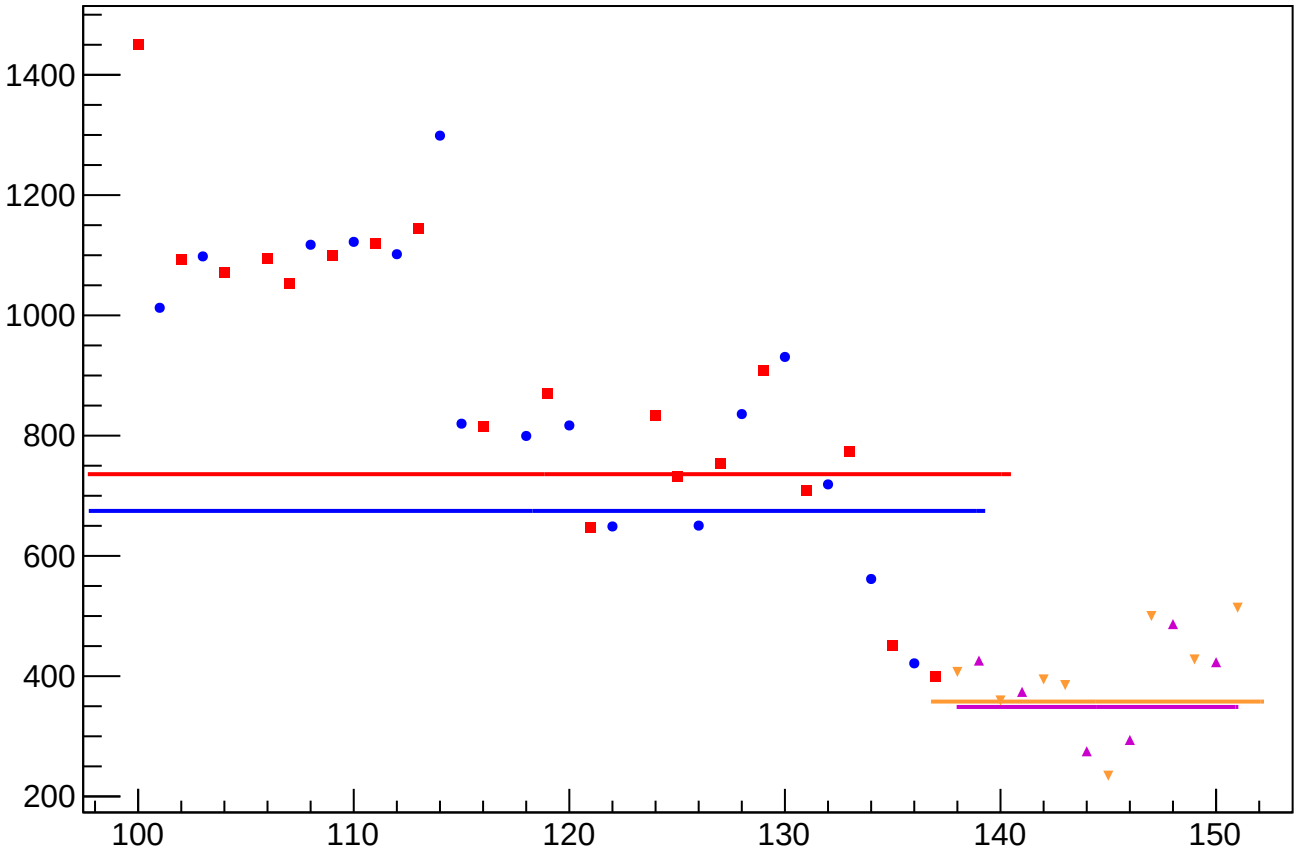
Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -125.100+/-156.785 χ^2/NDF:8.0/5

+ sign 226.775+/-130.396 χ^2/NDF: 30.9/23

All: 84.736+/-94.567 χ^2/NDF: 57.0/48

- sign -72.860+/-137.351 χ^2/NDF: 23.5/24



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 357.765+/-0.106 χ^2/NDF:806924.1/7

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

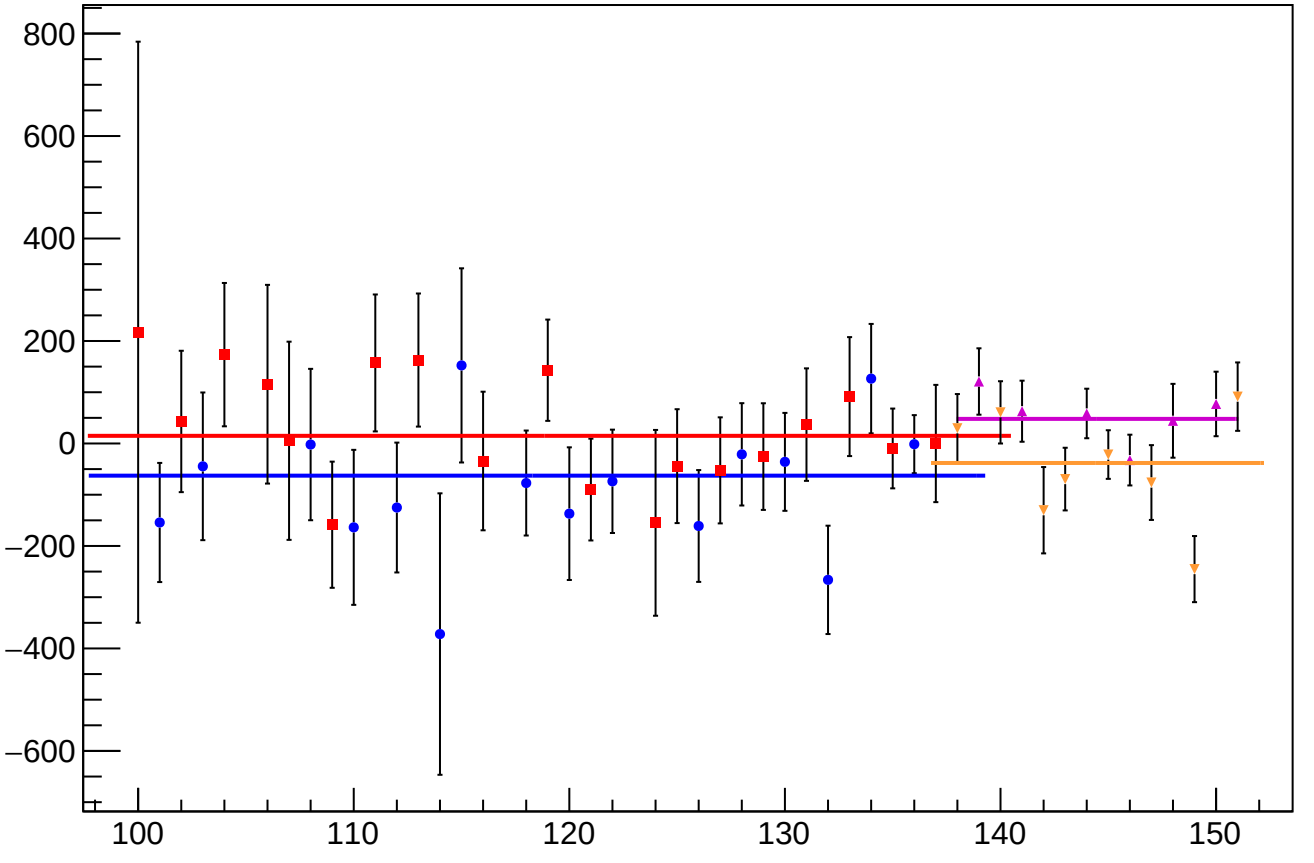
Left In: 348.796+/-0.111 χ^2/NDF:434386.2/5

+ sign 433.500+/-0.092 χ^2/NDF: 4574412.8/23

All: 436.020+/-0.067 χ^2/NDF: 9342738.7/48

- sign 438.816+/-0.097 χ^2/NDF: 4766750.0/24

eigen_cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -38.046+/-22.360 χ^2/NDF:19.6/7

Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

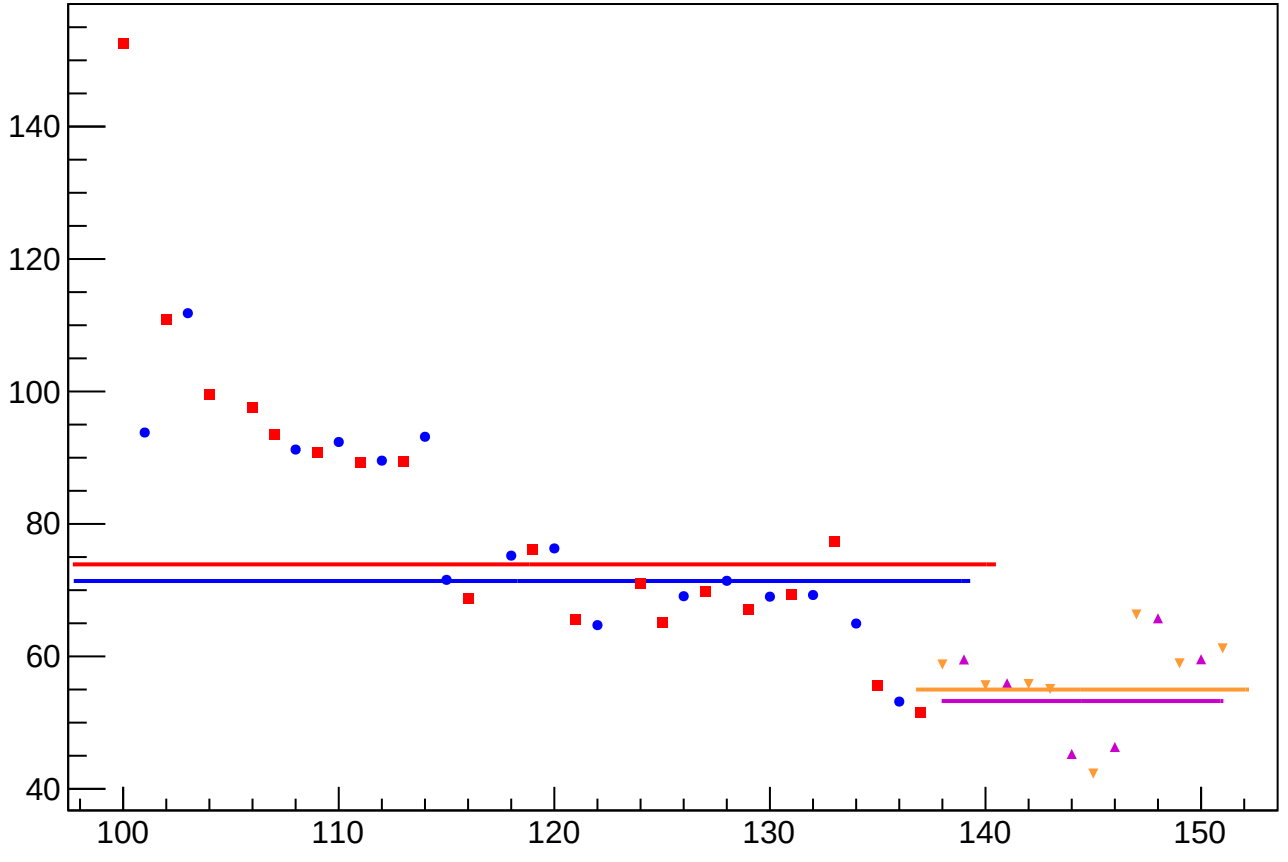
Left In: 48.000+/-23.566 χ^2/NDF:4.2/5

+ sign -48.018+/-17.276 χ^2/NDF: 33.6/23

All: -8.549+/-12.455 χ^2/NDF: 60.9/48

- sign 34.163+/-17.972 χ^2/NDF: 16.4/24

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 54.995+/-0.016 χ^2/NDF:222924.3/7

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

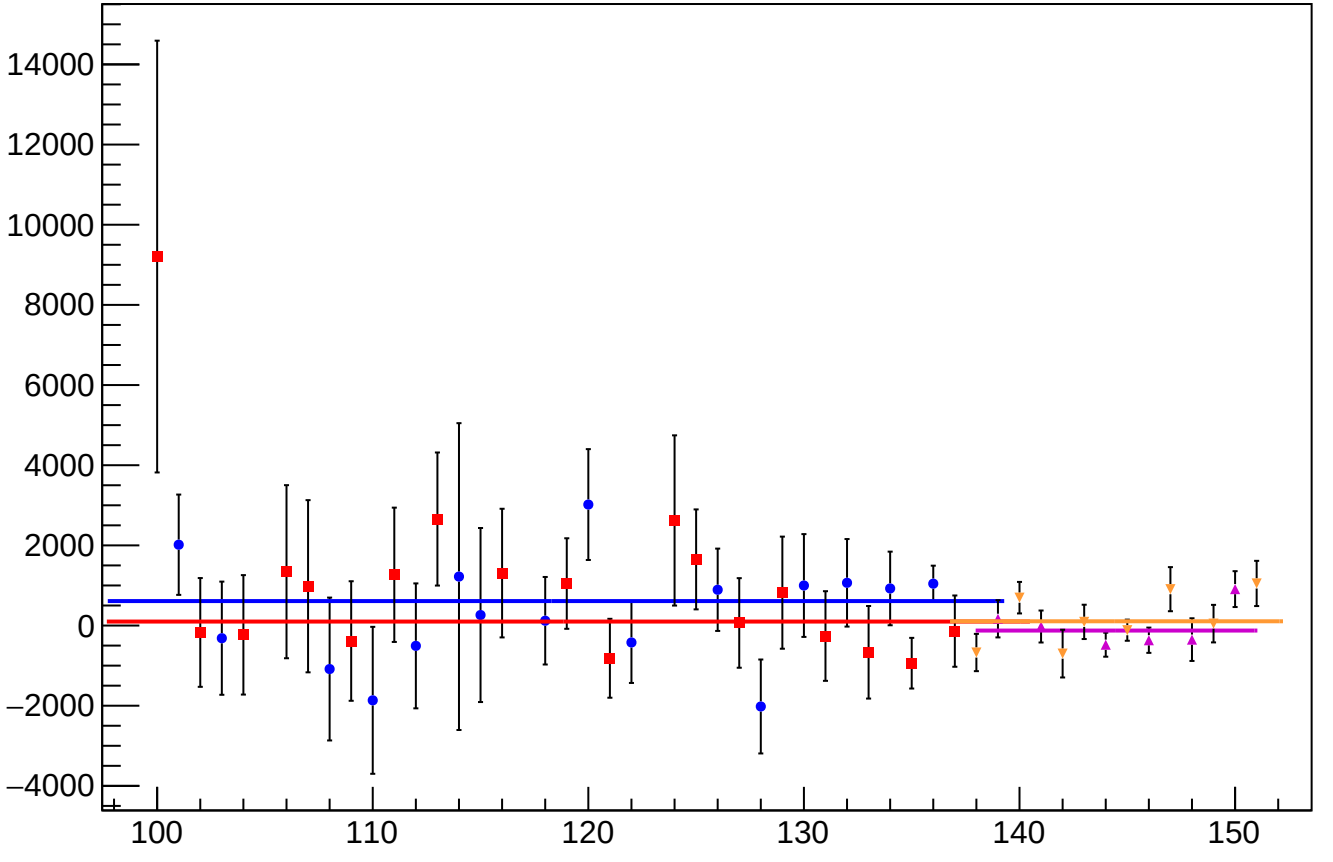
Left In: 53.262+/-0.017 χ^2/NDF:197027.2/5

+ sign 61.600+/-0.012 χ^2/NDF: 1246847.2/23

All: 61.742+/-0.009 χ^2/NDF: 2712619.1/48

- sign 61.895+/-0.013 χ^2/NDF: 1465492.0/24

asym_sam_15_26_dd_eigen_cor_correction_mean vs Slug



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 106.338+/-149.462 χ^2/NDF:12.5/7

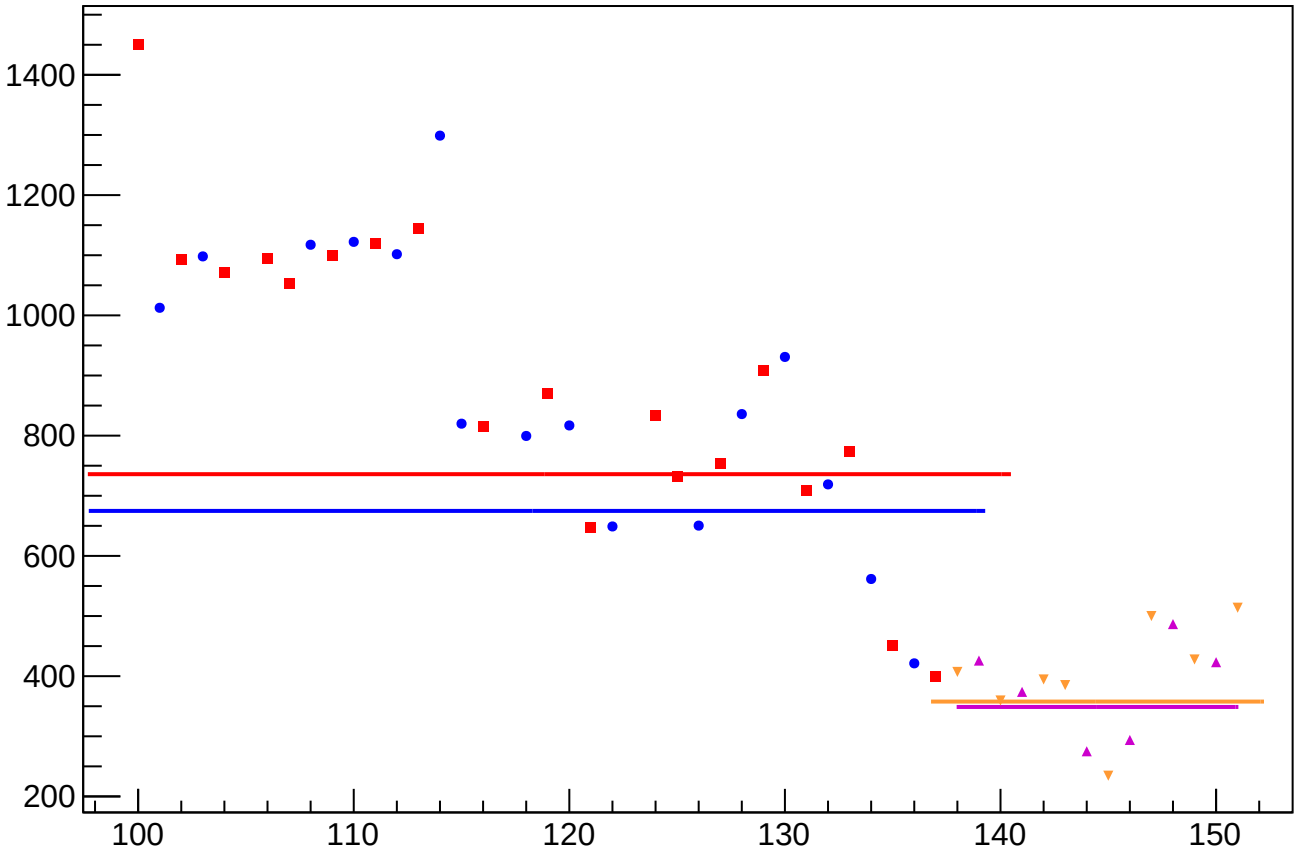
Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -125.100+/-156.785 χ^2/NDF:8.0/5

+ sign 226.775+/-130.396 χ^2/NDF: 30.9/23

All: 84.736+/-94.567 χ^2/NDF: 57.0/48

- sign -72.860+/-137.351 χ^2/NDF: 23.5/24



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 357.765+/-0.106 χ^2/NDF:806924.1/7

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

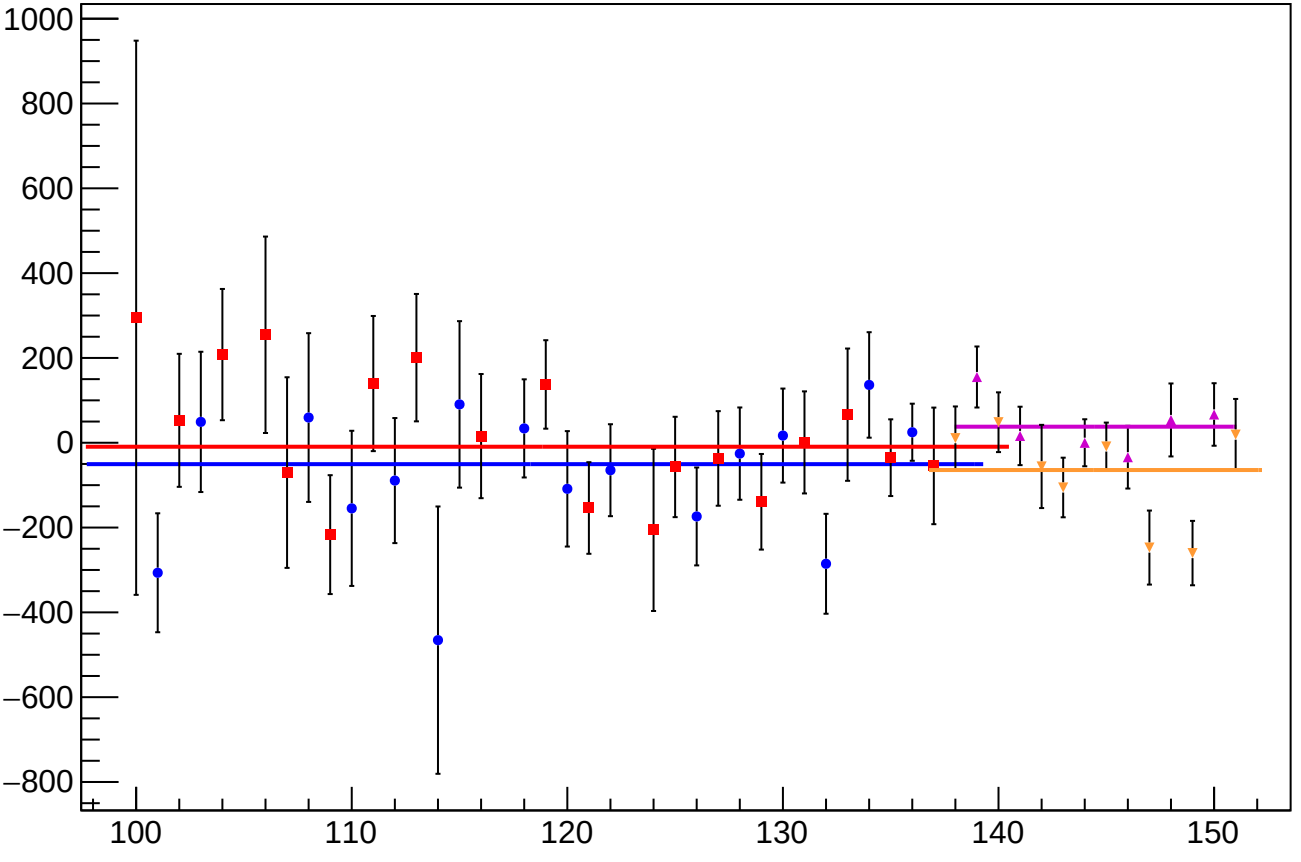
Left In: 348.796+/-0.111 χ^2/NDF:434386.2/5

+ sign 433.500+/-0.092 χ^2/NDF: 4574412.8/23

All: 436.020+/-0.067 χ^2/NDF: 9342738.7/48

- sign 438.816+/-0.097 χ^2/NDF: 4766750.0/24

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -64.337+/-26.285 χ^2/NDF:16.9/7

Right Out: -9.380+/-31.235 χ^2/NDF: 15.6/18

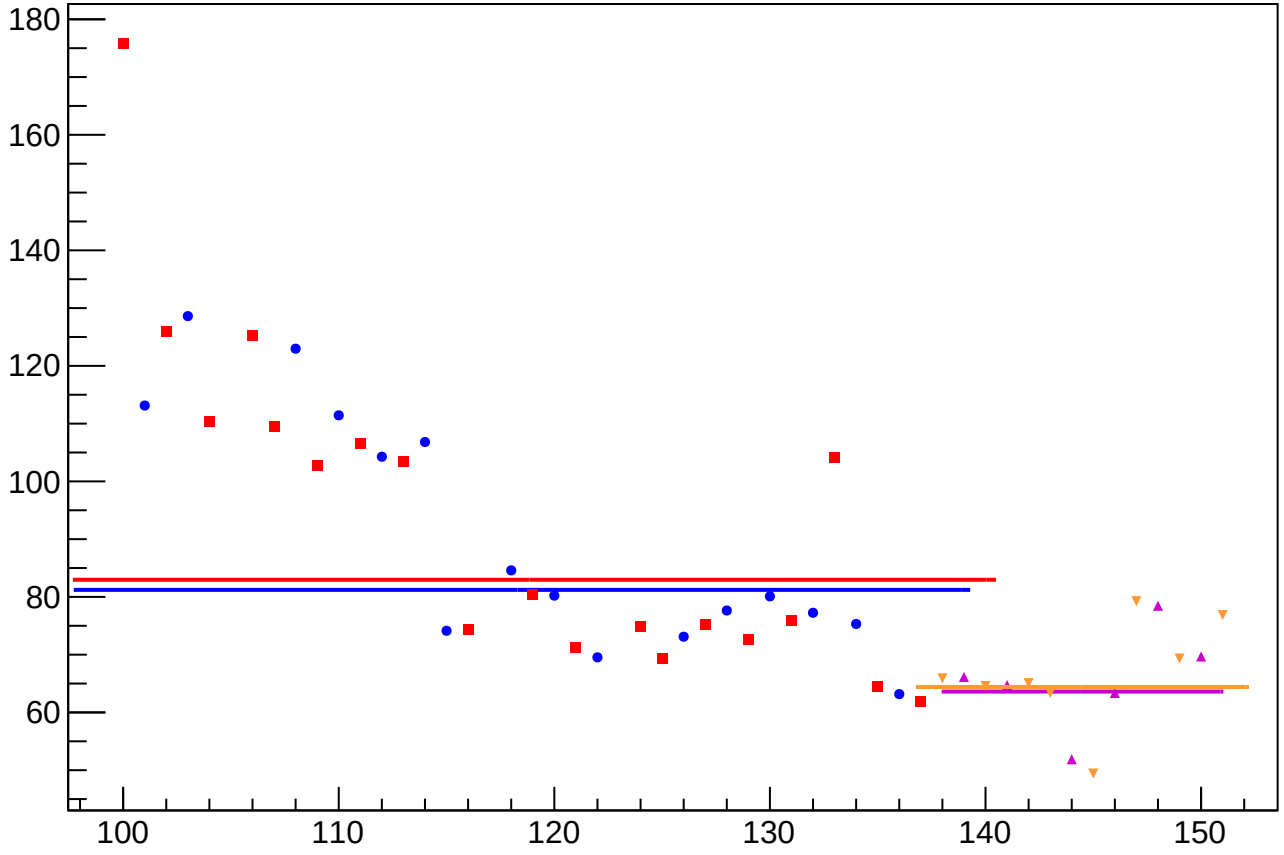
Left In: 37.878+/-28.497 χ^2/NDF:4.4/5

+ sign -58.549+/-20.065 χ^2/NDF: 33.5/23

All: -22.868+/-14.524 χ^2/NDF: 61.3/48

- sign 16.410+/-21.052 χ^2/NDF: 21.2/24

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 64.406+/-0.019 χ^2/NDF:252923.9/7

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

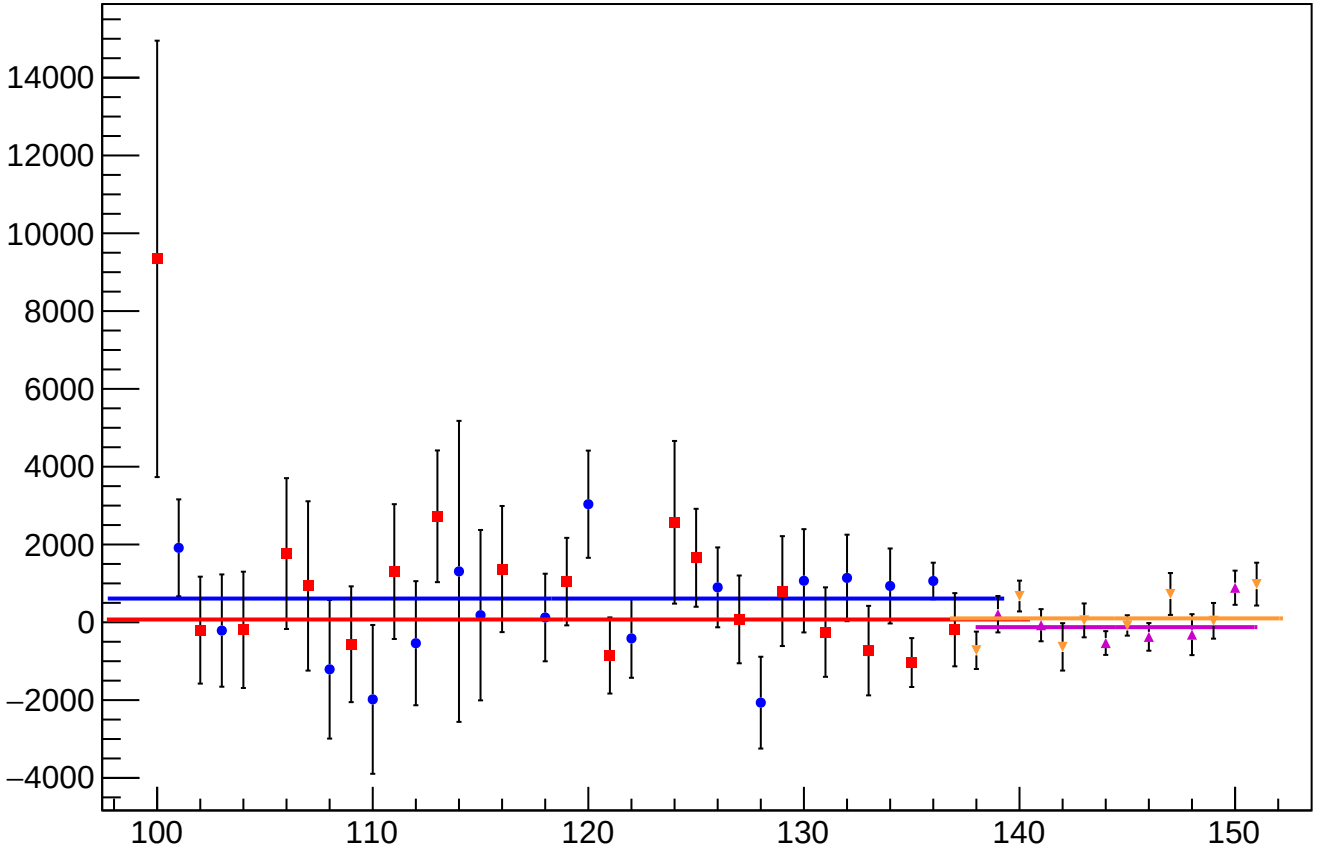
Left In: 63.610+/-0.020 χ^2/NDF:165530.7/5

+ sign 71.421+/-0.014 χ^2/NDF: 1257212.9/23

All: 71.890+/-0.010 χ^2/NDF: 2574761.9/48

- sign 72.405+/-0.015 χ^2/NDF: 1315260.5/24

asym_sam_15_26_dd_dit_correction_mean vs Slug



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: 100.807+/-149.561 χ^2/NDF:10.9/7

Right Out: 72.311+/-286.830 χ^2/NDF: 16.2/18

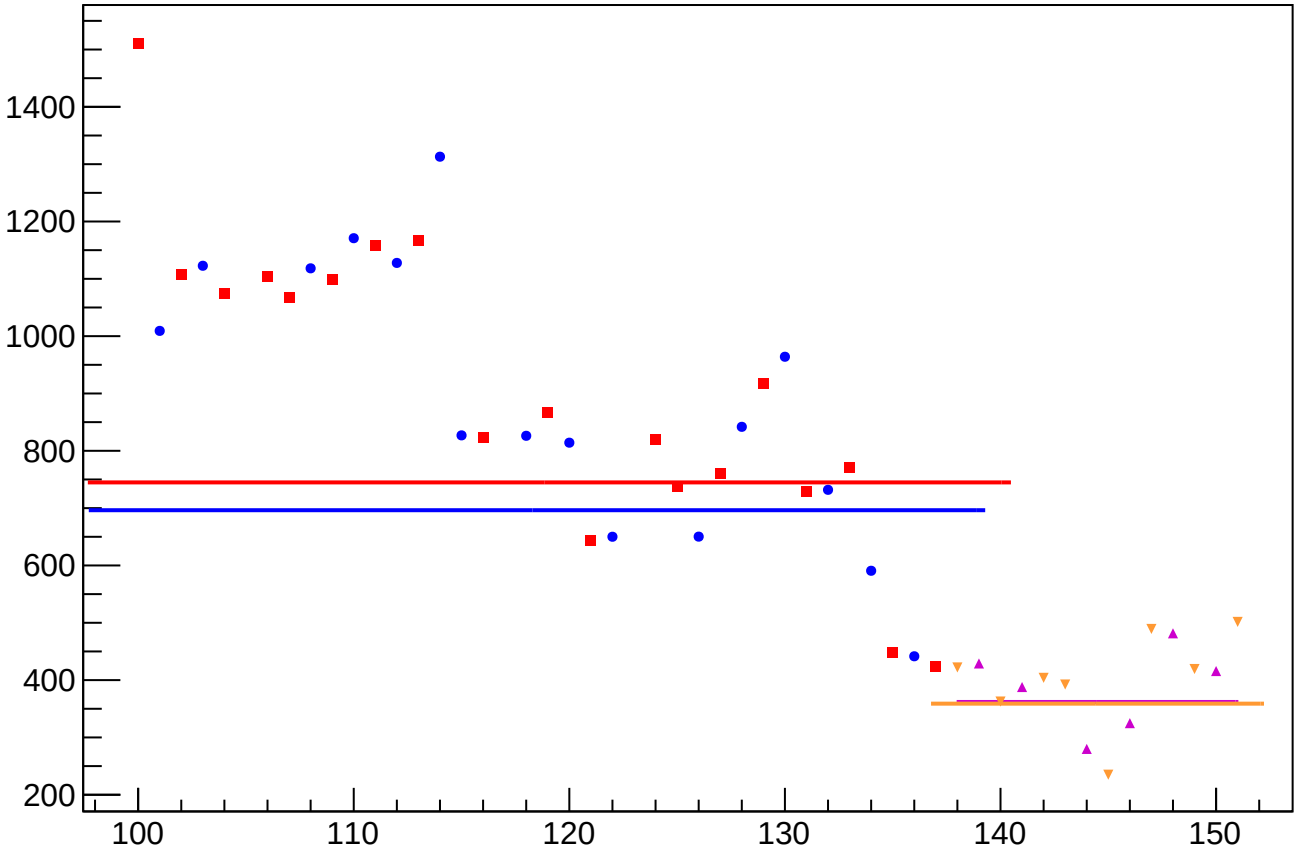
Left In: -124.331+/-162.516 χ^2/NDF:8.3/5

+ sign 217.793+/-131.276 χ^2/NDF: 29.4/23

All: 81.535+/-96.205 χ^2/NDF: 56.5/48

- sign -76.544+/-141.397 χ^2/NDF: 24.8/24

asym_sam_15_26_dd_dit_correction_rms vs Slug



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 358.930+/-0.106 χ^2/NDF:789754.1/7

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

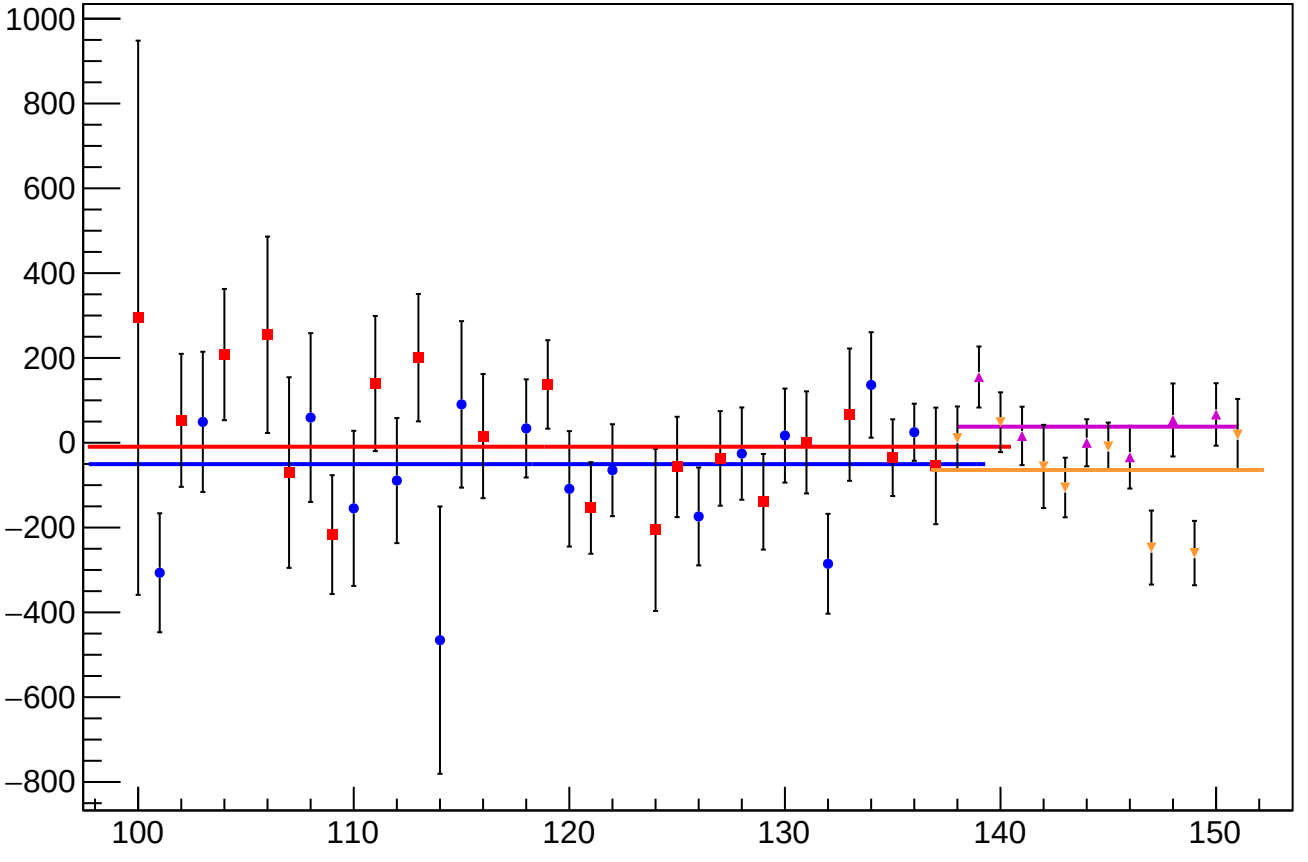
Left In: 361.864+/-0.115 χ^2/NDF:348373.5/5

+ sign 436.398+/-0.093 χ^2/NDF: 4642521.0/23

All: 444.982+/-0.068 χ^2/NDF: 9207274.1/48

- sign 454.941+/-0.100 χ^2/NDF: 4546280.1/24

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -64.336+/-26.285 χ^2/NDF:16.9/7

Right Out: -9.381+/-31.235 χ^2/NDF: 15.6/18

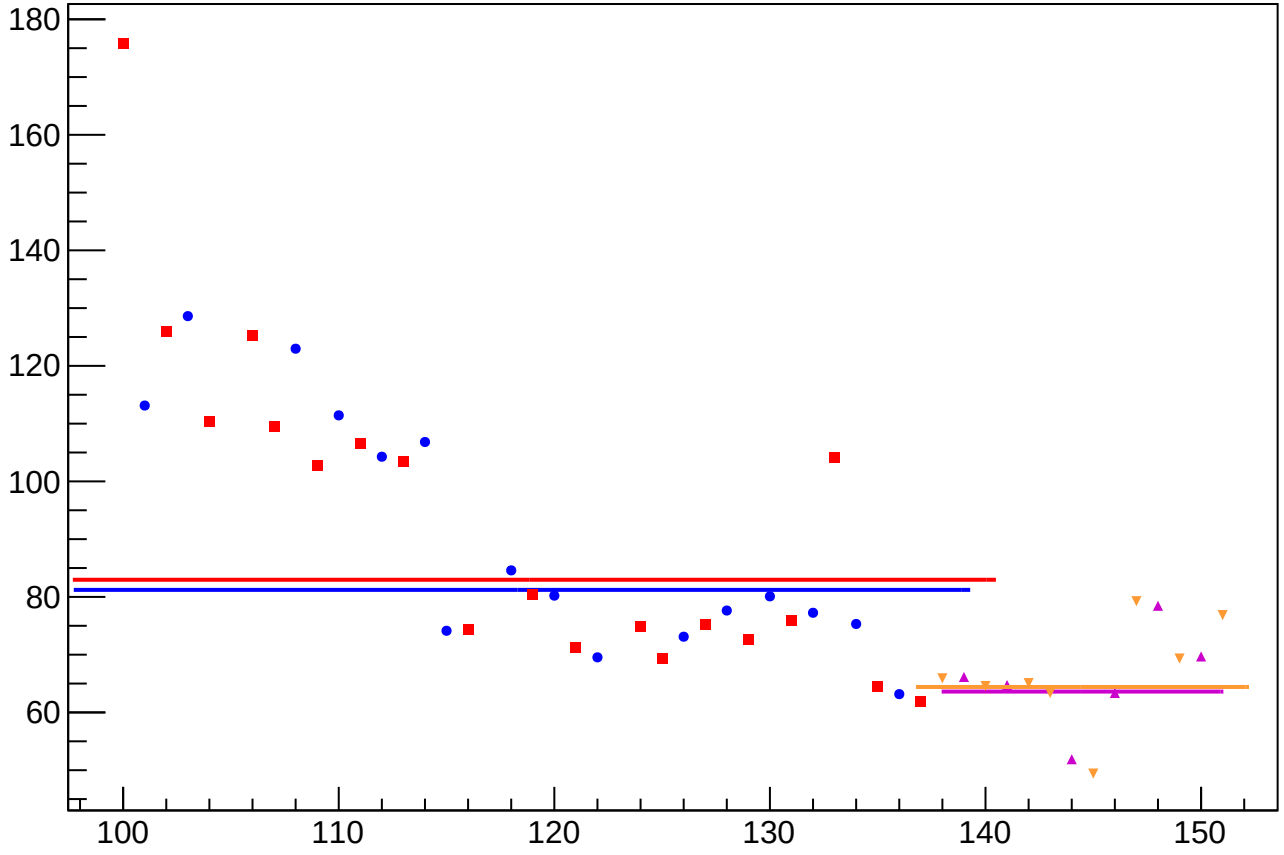
Left In: 37.877+/-28.497 χ^2/NDF:4.4/5

+ sign -58.548+/-20.065 χ^2/NDF: 33.5/23

All: -22.868+/-14.524 χ^2/NDF: 61.3/48

- sign 16.409+/-21.052 χ^2/NDF: 21.2/24

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 64.406+/-0.019 χ^2/NDF:252920.3/7

Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

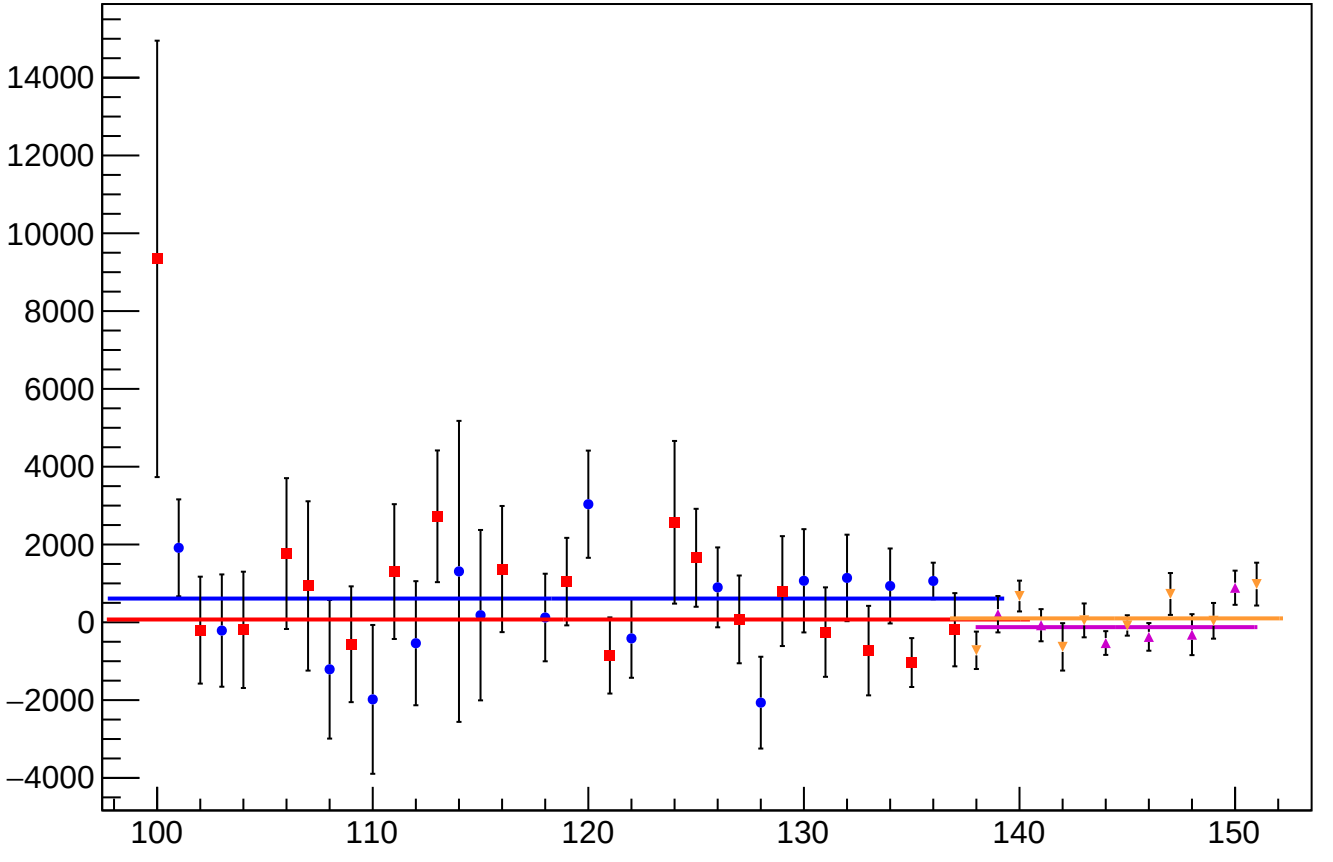
Left In: 63.611+/-0.020 χ^2/NDF:165531.3/5

+ sign 71.421+/-0.014 χ^2/NDF: 1257169.1/23

All: 71.890+/-0.010 χ^2/NDF: 2574685.6/48

- sign 72.405+/-0.015 χ^2/NDF: 1315227.8/24

asym_sam_15_26_dd_eigen_dit_correction_mean vs Slug



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: 100.807+/-149.561 χ^2/NDF:10.9/7

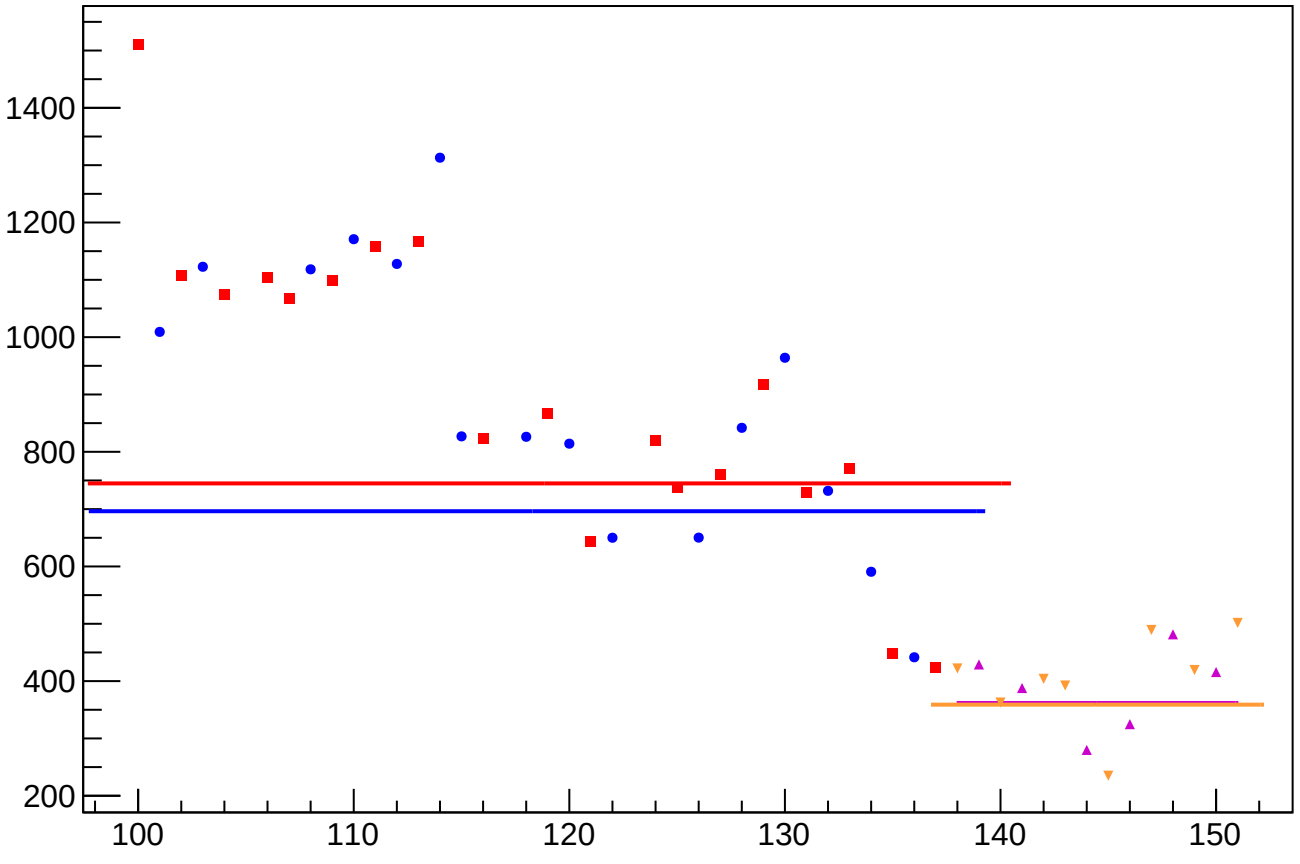
Right Out: 72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: -124.332+/-162.516 χ^2/NDF:8.3/5

+ sign 217.793+/-131.276 χ^2/NDF: 29.4/23

All: 81.535+/-96.205 χ^2/NDF: 56.5/48

- sign -76.544+/-141.397 χ^2/NDF: 24.8/24



Right In: 696.370+/-0.194 χ^2/NDF: 1515461.8/15

Left Out: 358.929+/-0.106 χ^2/NDF:789769.9/7

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

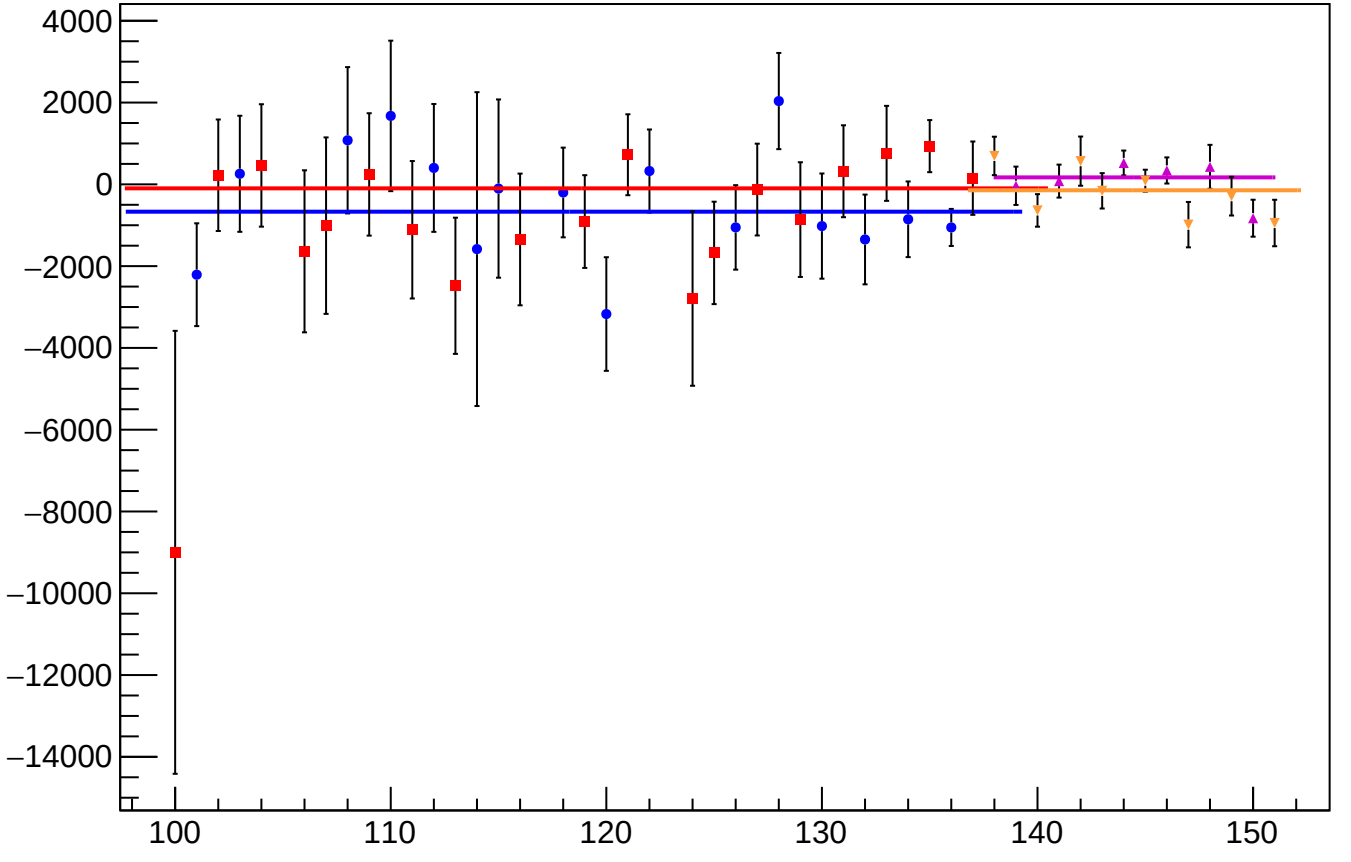
Left In: 361.864+/-0.115 χ^2/NDF:348377.4/5

+ sign 436.398+/-0.093 χ^2/NDF: 4642520.1/23

All: 444.982+/-0.068 χ^2/NDF: 9207258.1/48

- sign 454.941+/-0.100 χ^2/NDF: 4546264.5/24

asym_sam_15_26_dd_mean vs Slug



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -144.876+/-151.269 χ^2/NDF:11.3/7

Right Out: -98.003+/-285.882 χ^2/NDF: 14.8/18

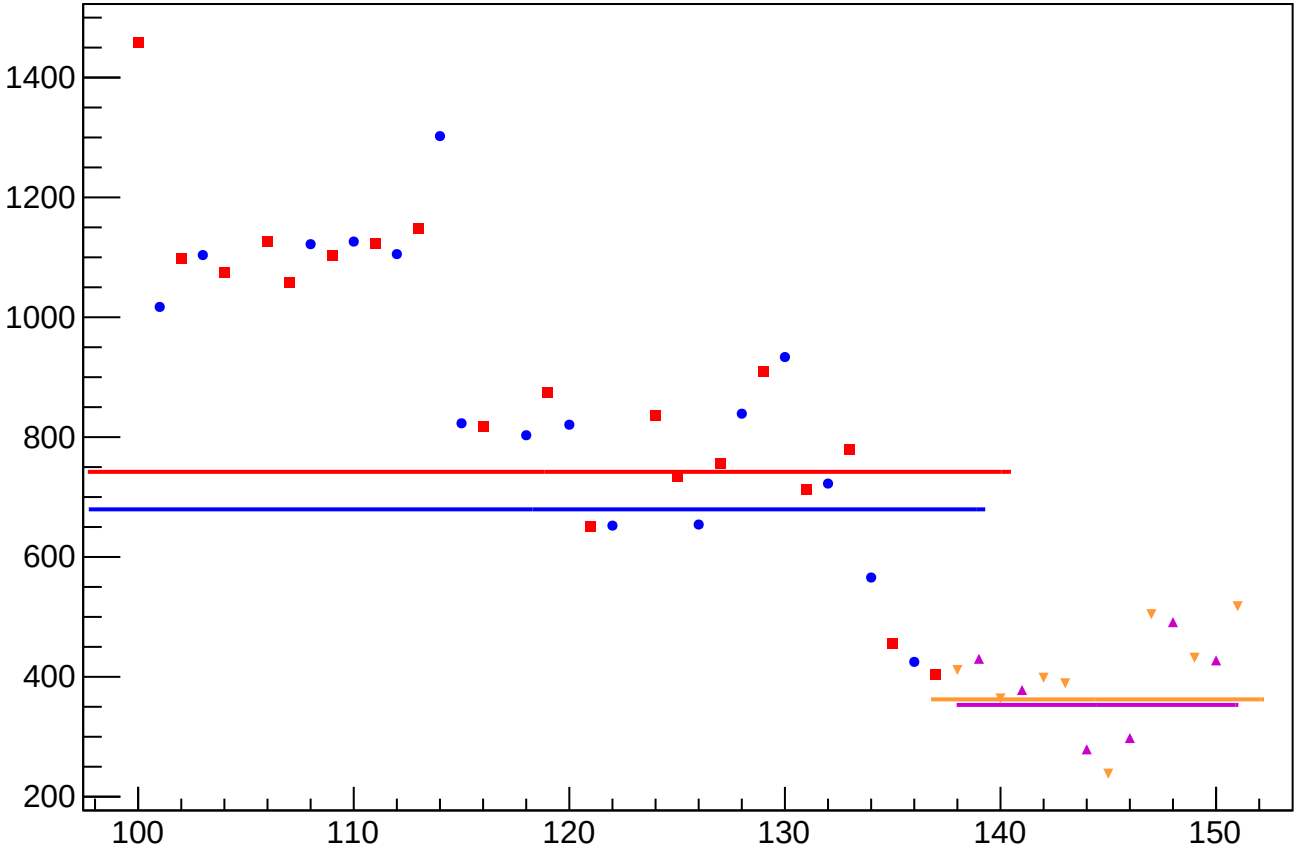
Left In: 170.260+/-158.664 χ^2/NDF:7.0/5

+ sign -271.067+/-131.787 χ^2/NDF: 30.3/23

All: -91.690+/-95.548 χ^2/NDF: 56.7/48

- sign 107.087+/-138.730 χ^2/NDF: 22.5/24

asym_sam_15_26_dd_rms vs Slug



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 362.413+/-0.107 χ^2/NDF:788362.5/7

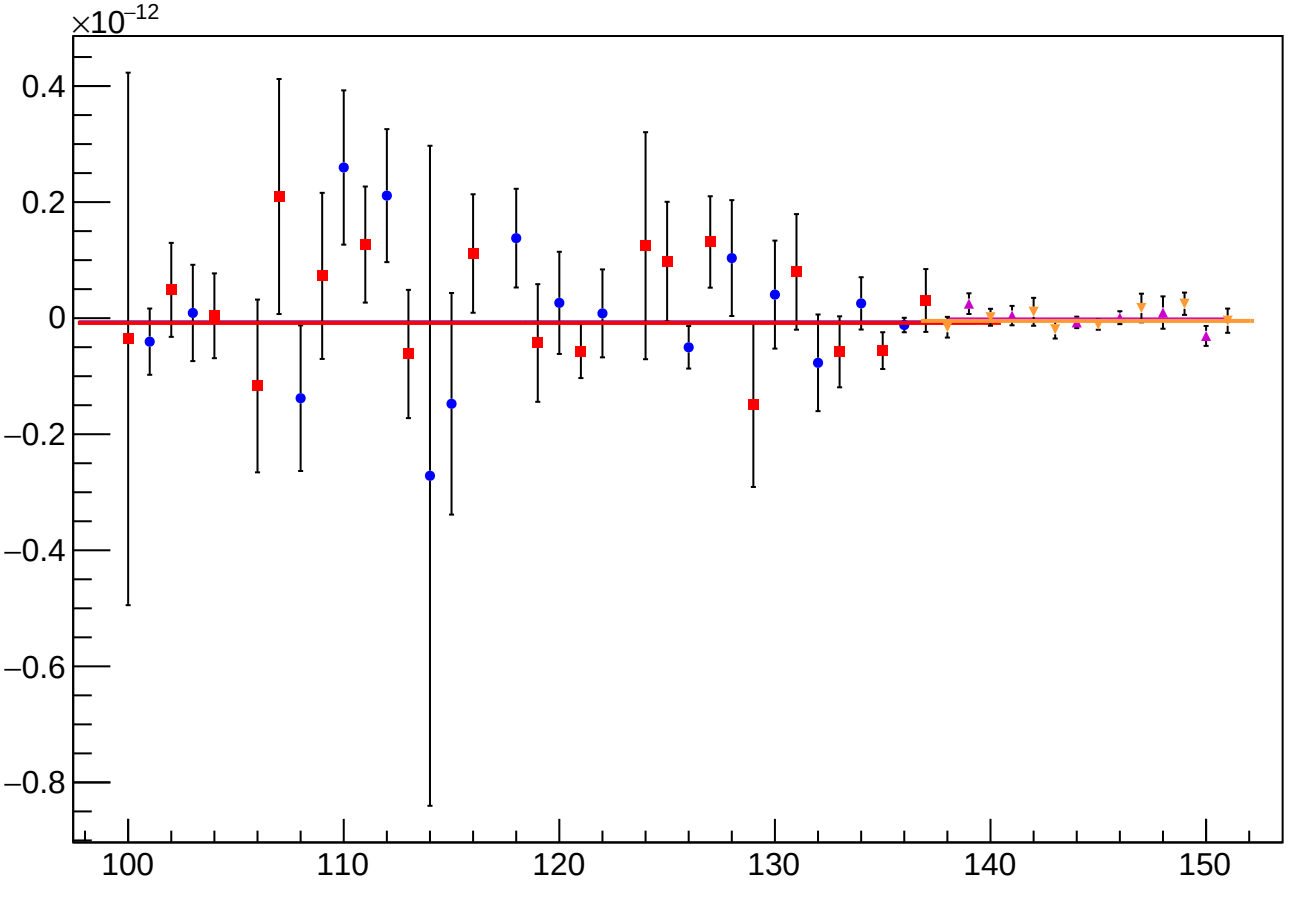
Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 353.169+/-0.112 χ^2/NDF:426826.0/5

+ sign 438.822+/-0.093 χ^2/NDF: 4506725.2/23

All: 441.635+/-0.068 χ^2/NDF: 9269593.2/48

- sign 444.753+/-0.098 χ^2/NDF: 4760946.6/24



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.5/7

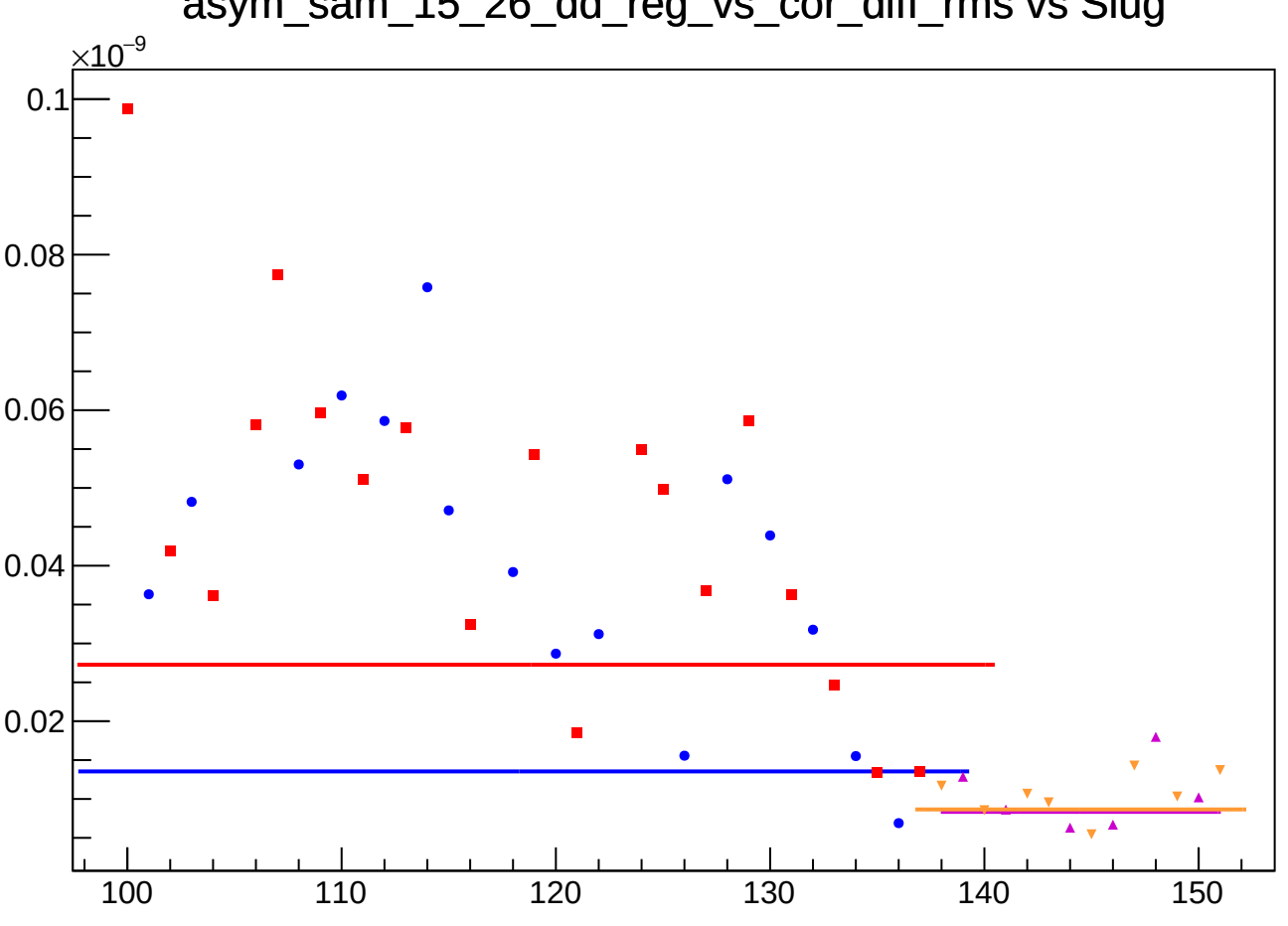
Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:5.7/5

+ sign -0.000+/-0.000 χ^2/NDF: 22.8/23

All: -0.000+/-0.000 χ^2/NDF: 45.8/48

- sign -0.000+/-0.000 χ^2/NDF: 22.9/24



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:581404.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

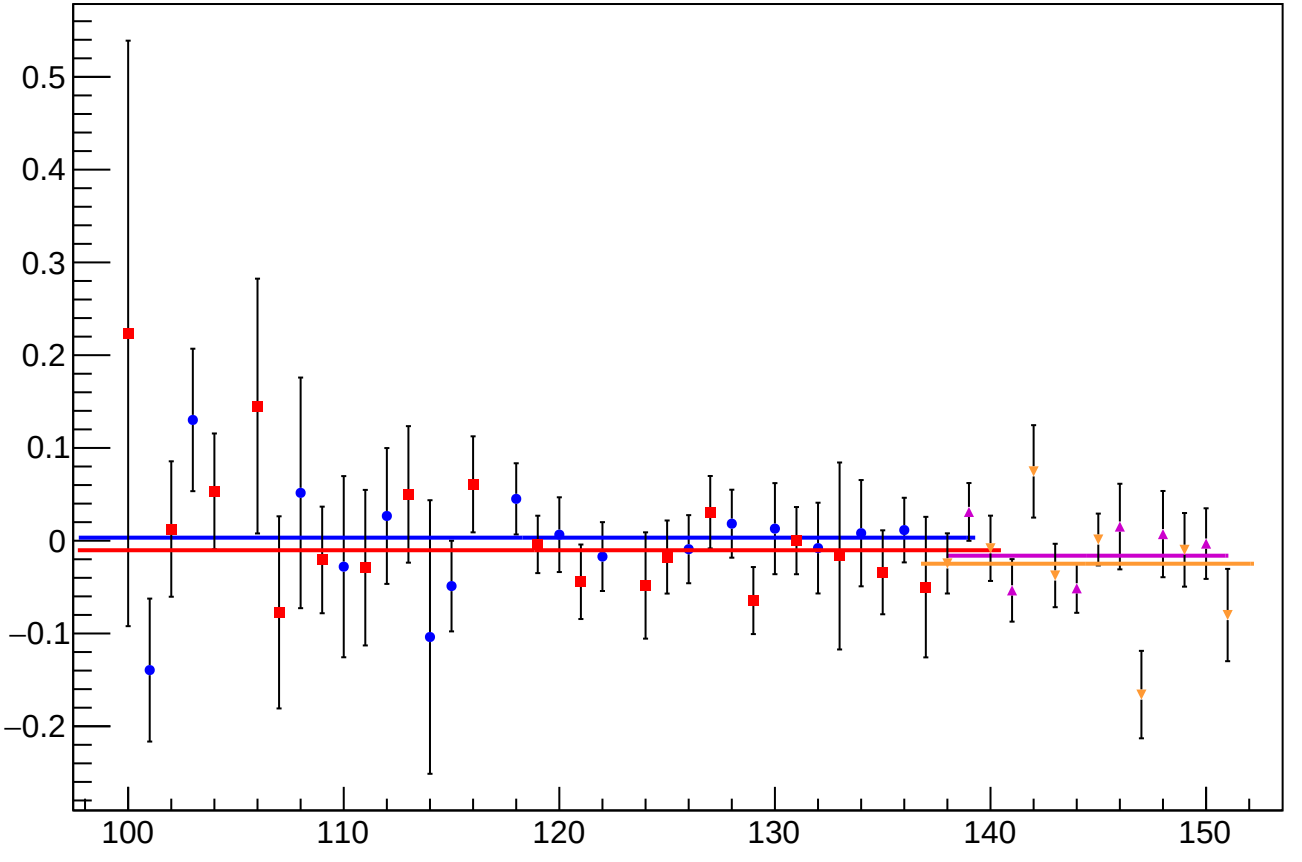
Left In: 0.000+/-0.000 χ^2/NDF:520821.1/5

+ sign 0.000+/-0.000 χ^2/NDF: 3969467.3/23

All: 0.000+/-0.000 χ^2/NDF: 8383556.2/48

- sign 0.000+/-0.000 χ^2/NDF: 4403460.0/24

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.025+/-0.013 χ^2/NDF:15.6/7

Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

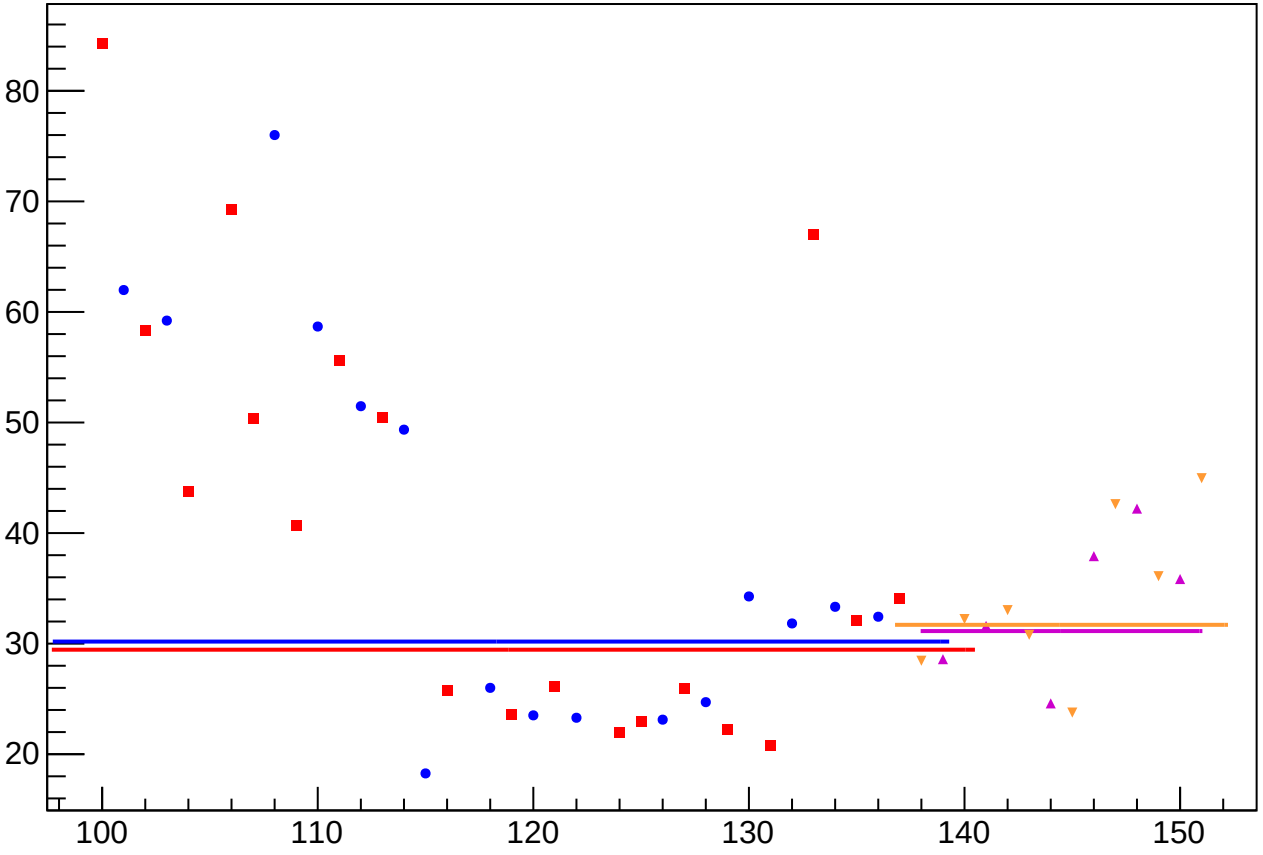
Left In: -0.016+/-0.014 χ^2/NDF:6.1/5

+ sign -0.010+/-0.009 χ^2/NDF: 28.1/23

All: -0.011+/-0.006 χ^2/NDF: 45.6/48

- sign -0.013+/-0.009 χ^2/NDF: 17.5/24

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: 31.702+/-0.009 χ^2/NDF:458412.0/7

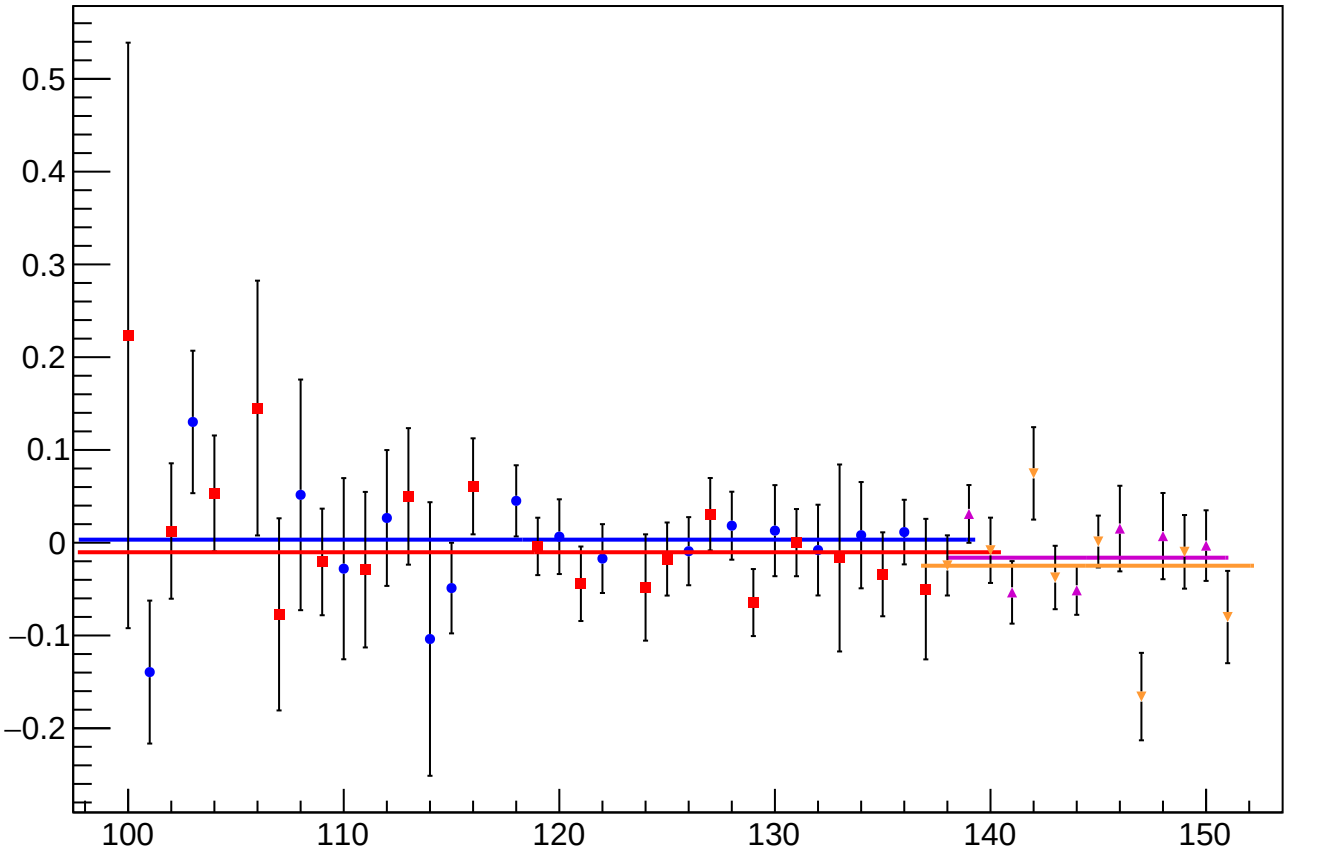
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 31.136+/-0.010 χ^2/NDF:323569.7/5

+ sign 30.893+/-0.006 χ^2/NDF: 2159964.4/23

All: 30.521+/-0.005 χ^2/NDF: 4355746.5/48

- sign 30.141+/-0.006 χ^2/NDF: 2188853.6/24



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.025+/-0.013 χ^2/NDF:15.6/7

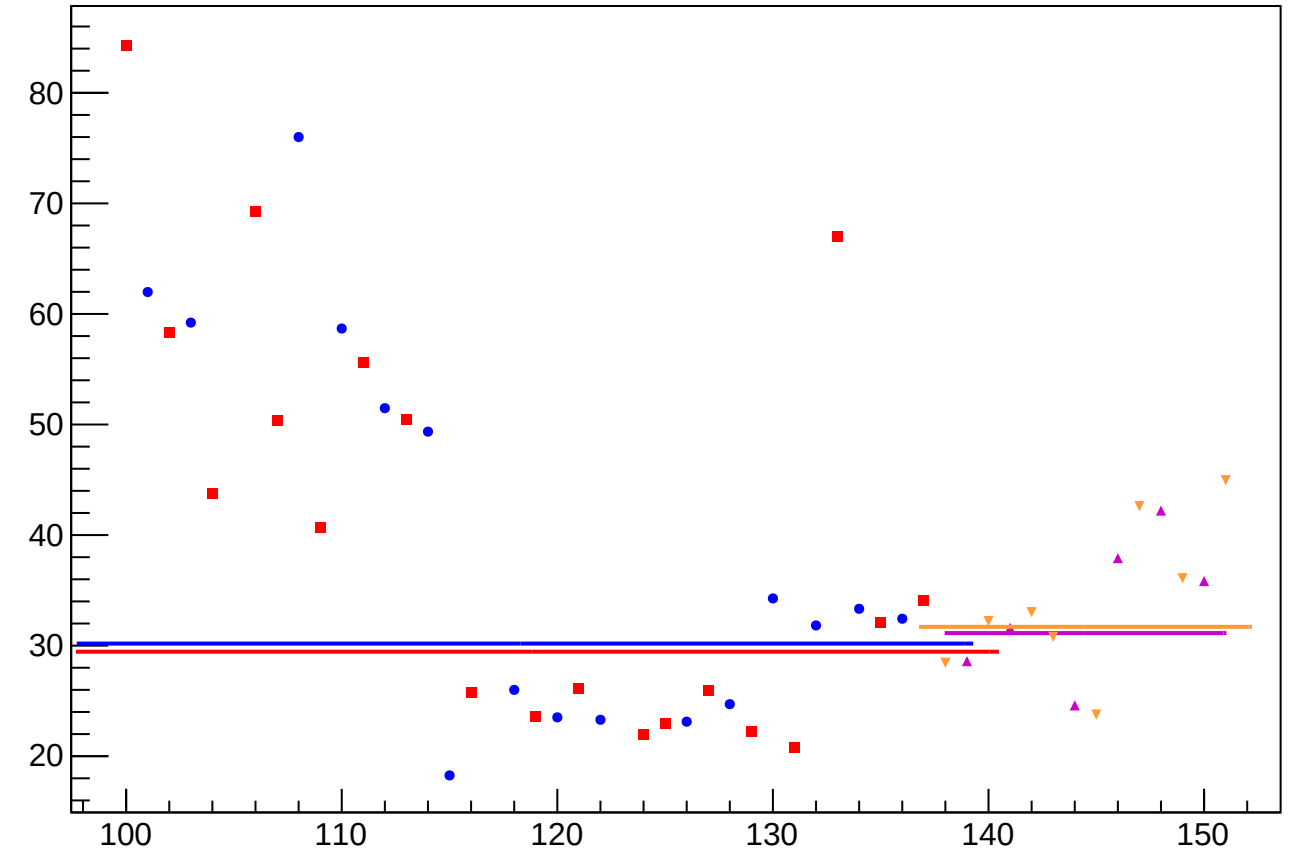
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.016+/-0.014 χ^2/NDF:6.1/5

+ sign -0.010+/-0.009 χ^2/NDF: 28.1/23

All: -0.011+/-0.006 χ^2/NDF: 45.6/48

- sign -0.013+/-0.009 χ^2/NDF: 17.5/24



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 31.702+/-0.009 χ^2/NDF:458412.0/7

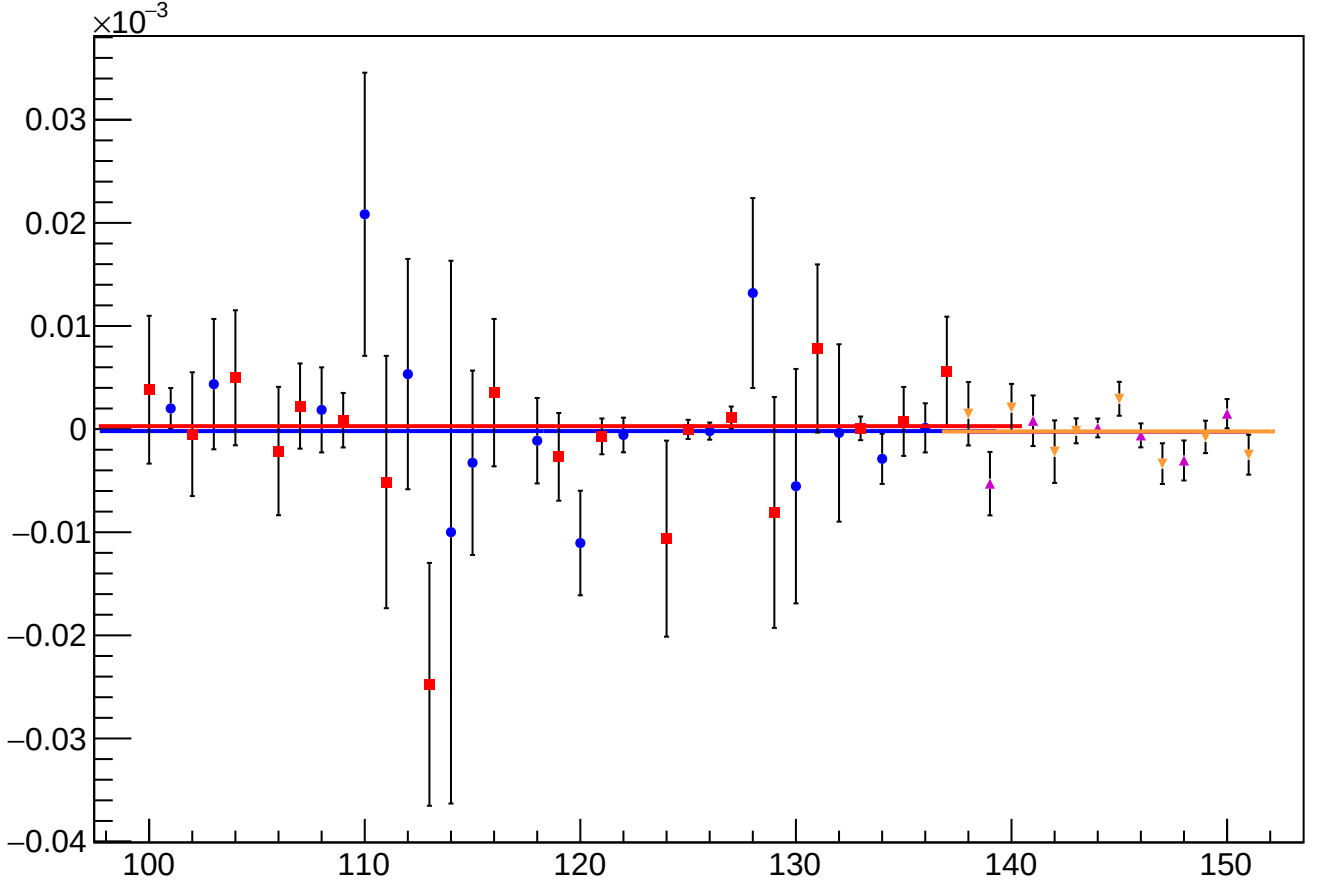
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 31.136+/-0.010 χ^2/NDF:323569.7/5

+ sign 30.893+/-0.006 χ^2/NDF: 2159964.4/23

All: 30.521+/-0.005 χ^2/NDF: 4355746.5/48

- sign 30.141+/-0.006 χ^2/NDF: 2188853.6/24



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.4/7

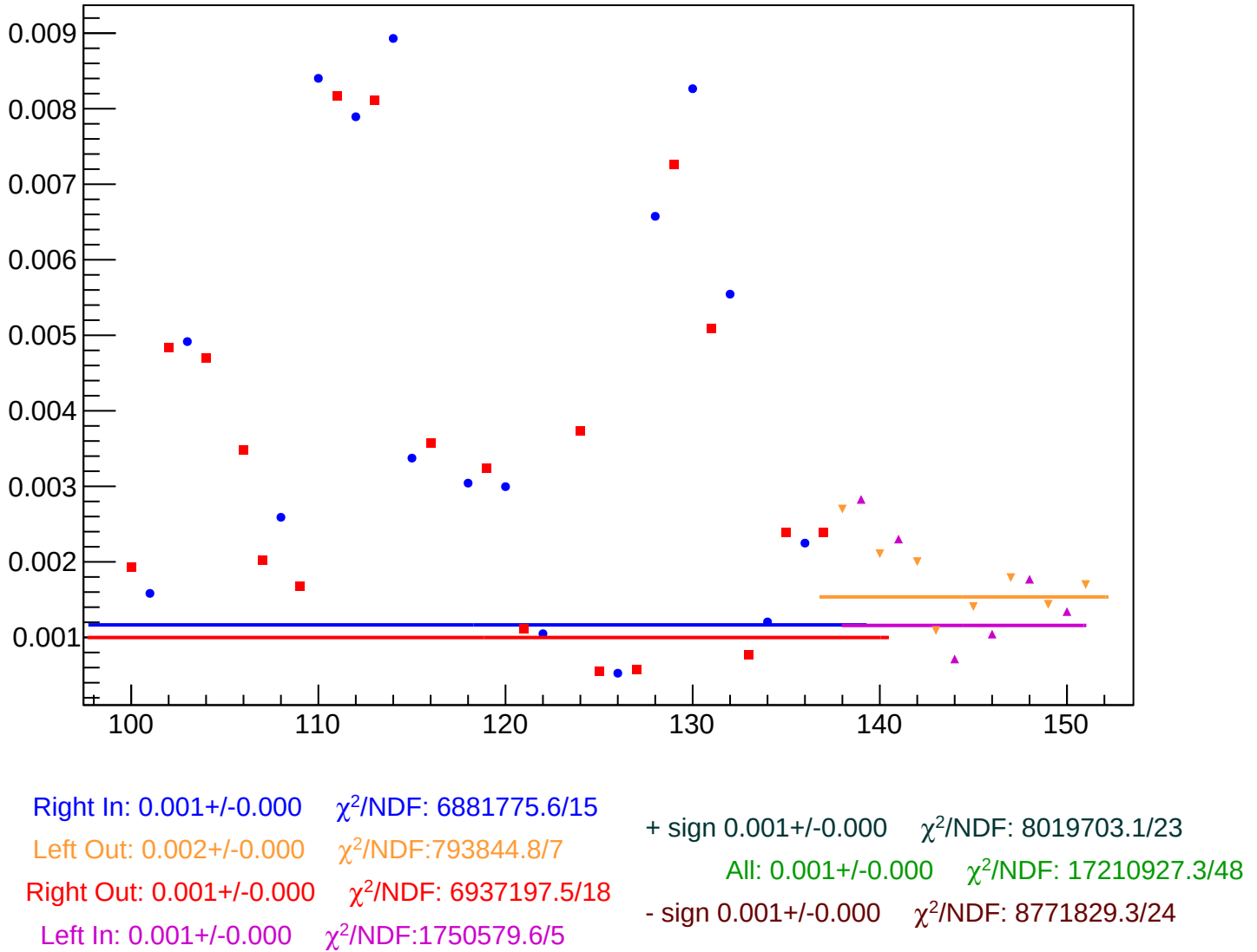
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: -0.000+/-0.000 χ^2/NDF:6.7/5

+ sign -0.000+/-0.000 χ^2/NDF: 22.5/23

All: -0.000+/-0.000 χ^2/NDF: 41.3/48

- sign 0.000+/-0.000 χ^2/NDF: 18.6/24


asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug
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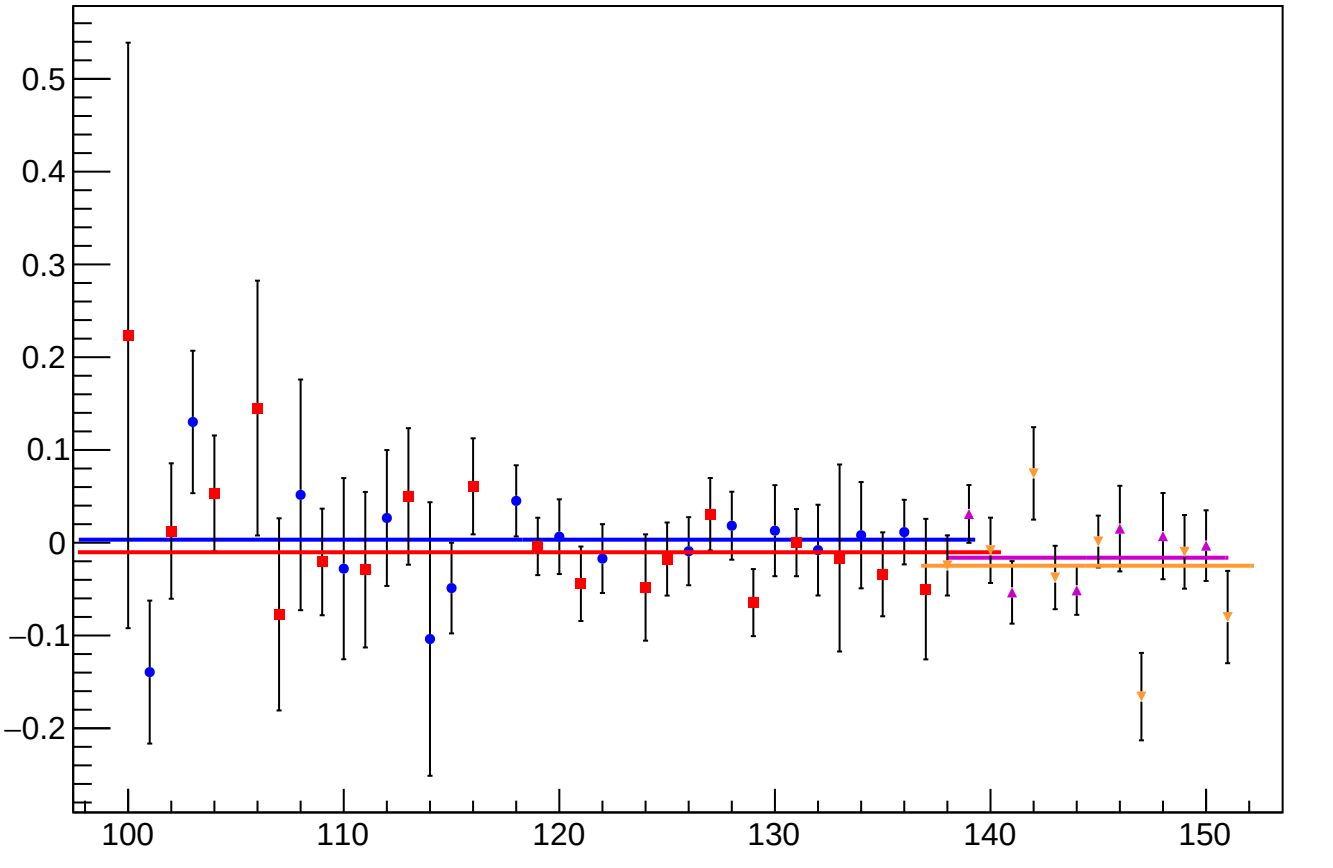
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
Right In: 0.001+/-0.000 χ²/NDF: 6881775.6/15
Left Out: 0.002+/-0.000 χ²/NDF:793844.8/7
Right Out: 0.001+/-0.000 χ²/NDF: 6937197.5/18
Left In: 0.001+/-0.000 χ²/NDF:1750579.6/5
+ sign 0.001+/-0.000 χ²/NDF: 8019703.1/23
All: 0.001+/-0.000 χ²/NDF: 17210927.3/48
- sign 0.001+/-0.000 χ²/NDF: 8771829.3/24



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.025+/-0.013 χ^2/NDF:15.6/7

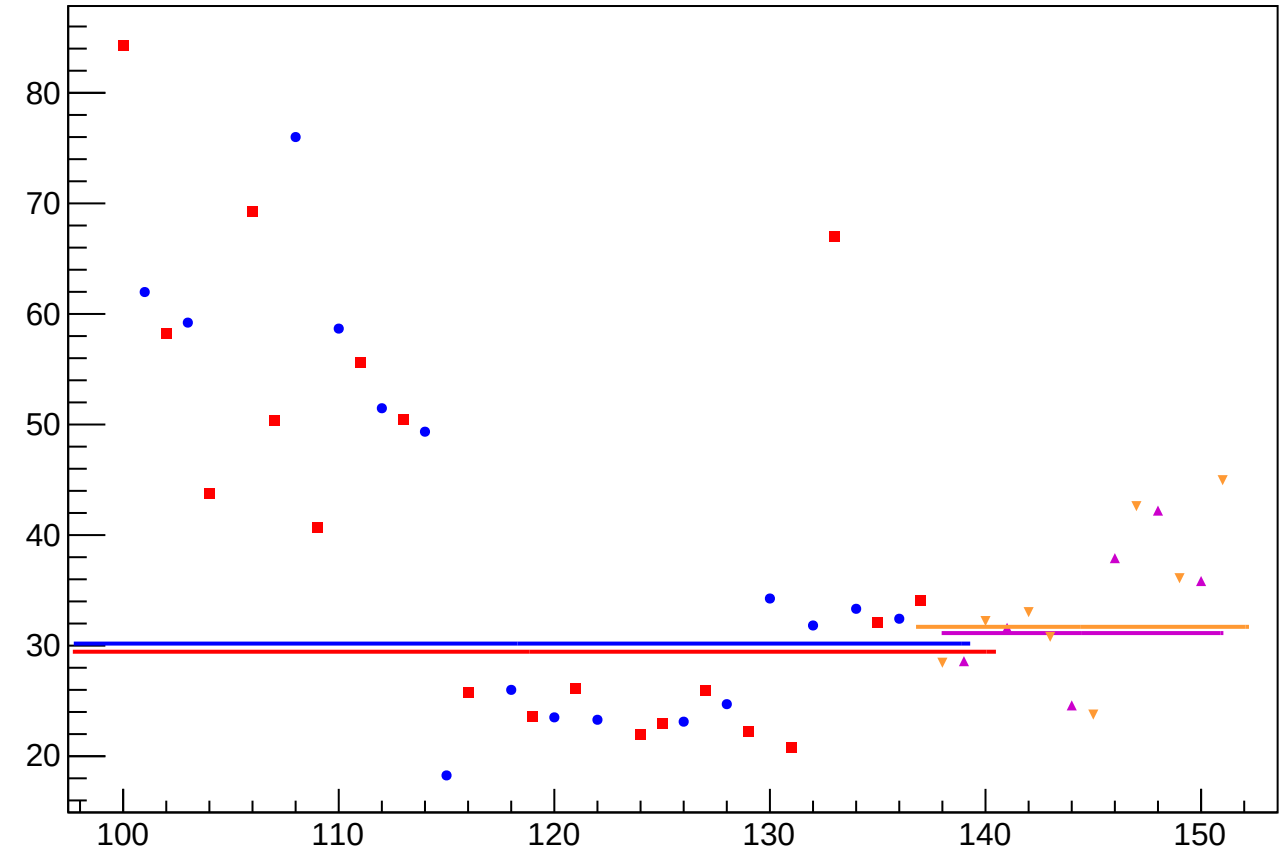
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.016+/-0.014 χ^2/NDF:6.1/5

+ sign -0.010+/-0.009 χ^2/NDF: 28.1/23

All: -0.011+/-0.006 χ^2/NDF: 45.6/48

- sign -0.013+/-0.009 χ^2/NDF: 17.5/24



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 31.702+/-0.009 χ^2/NDF:458388.3/7

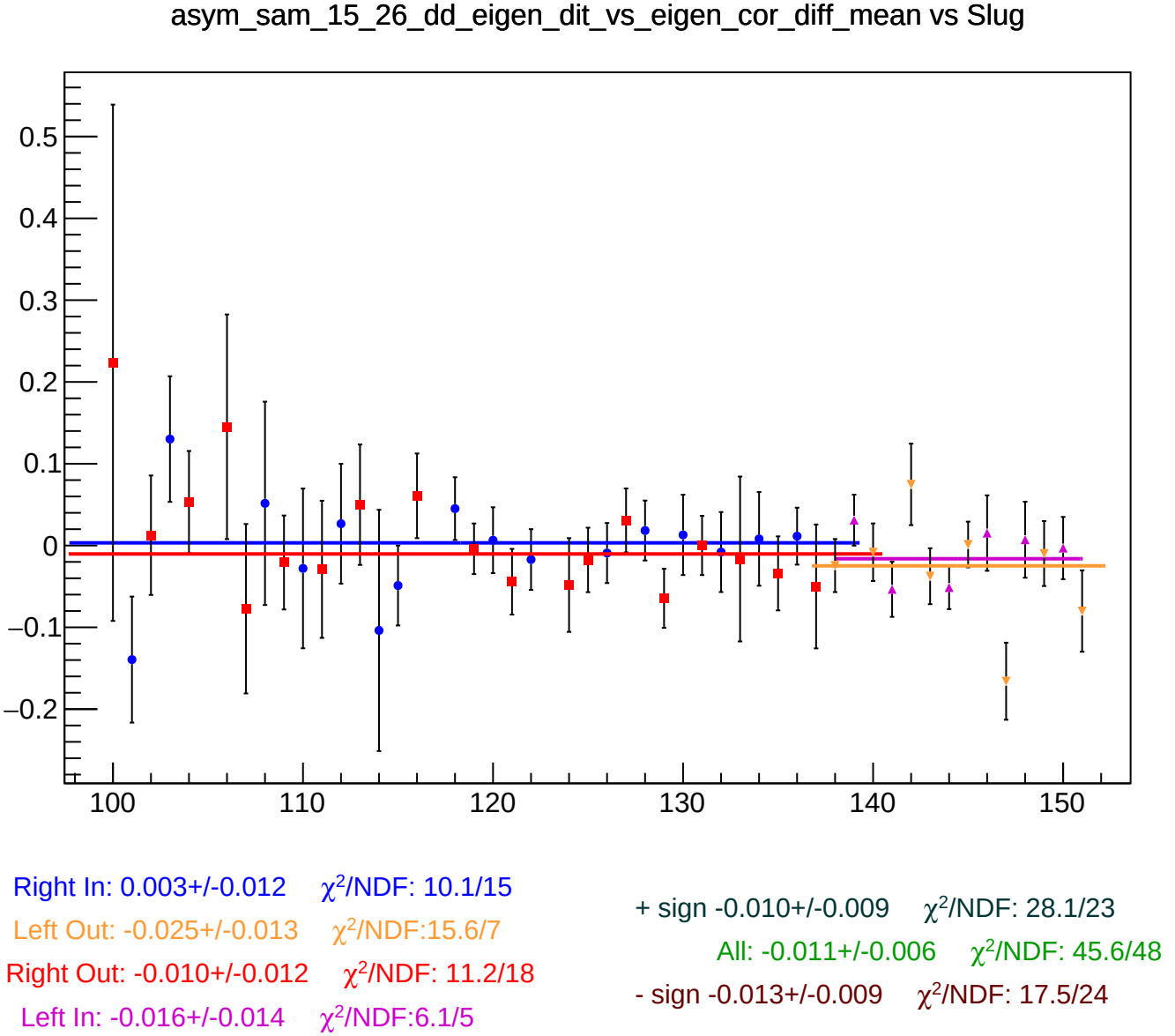
Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

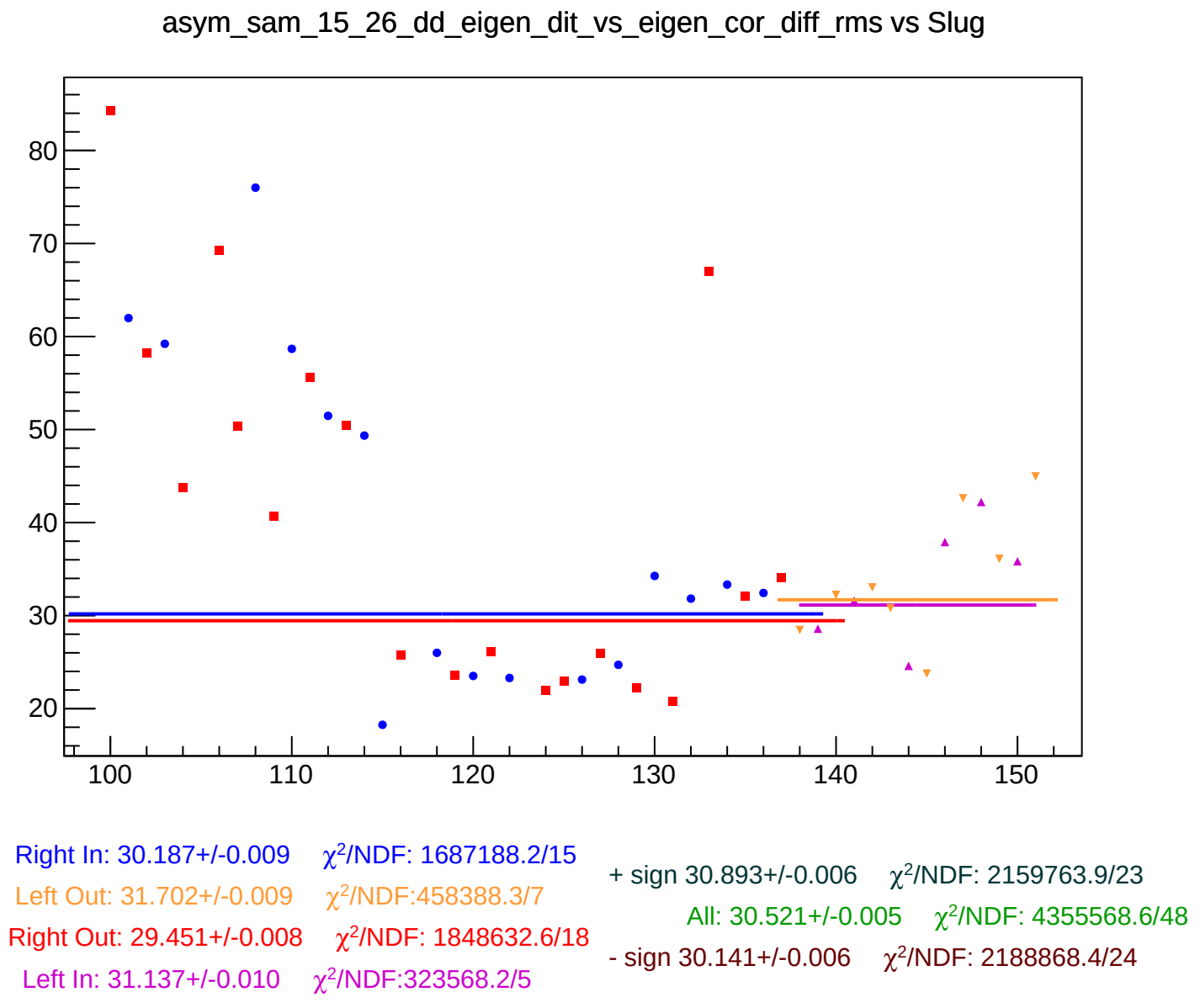
Left In: 31.137+/-0.010 χ^2/NDF:323568.2/5

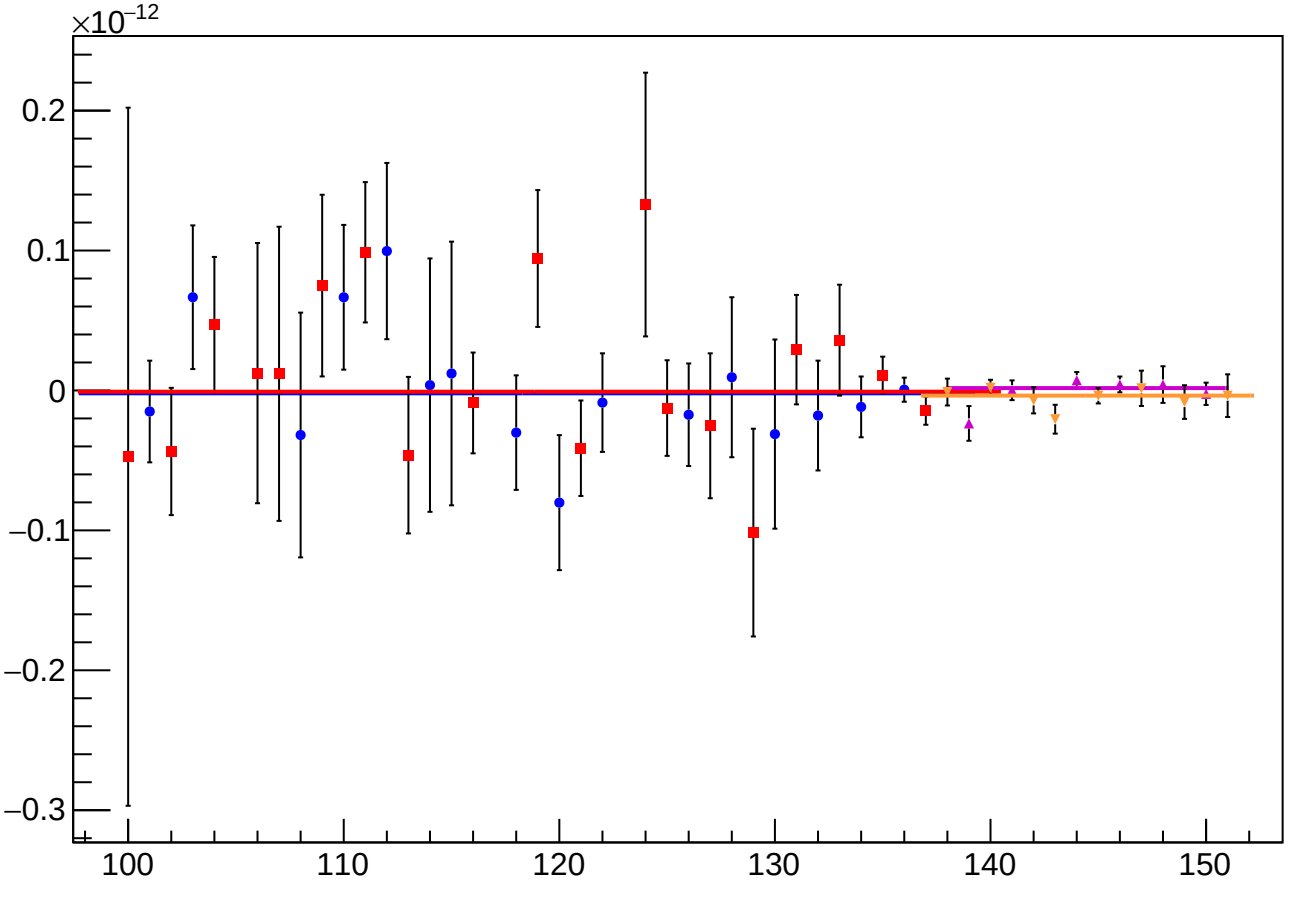
\+ sign 30.893+/-0.006 χ^2/NDF: 2159763.9/23

All: 30.521+/-0.005 χ^2/NDF: 4355568.6/48

\- sign 30.141+/-0.006 χ^2/NDF: 2188868.4/24


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
Right In: 0.003+/-0.012 χ²/NDF: 10.1/15
Left Out: -0.025+/-0.013 χ²/NDF:15.6/7
Right Out: -0.010+/-0.012 χ²/NDF: 11.2/18
Left In: -0.016+/-0.014 χ²/NDF:6.1/5
+ sign -0.010+/-0.009 χ²/NDF: 28.1/23
All: -0.011+/-0.006 χ²/NDF: 45.6/48
- sign -0.013+/-0.009 χ²/NDF: 17.5/24


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
Right In: 30.187+/-0.009 χ²/NDF: 1687188.2/15
Left Out: 31.702+/-0.009 χ²/NDF:458388.3/7
Right Out: 29.451+/-0.008 χ²/NDF: 1848632.6/18
Left In: 31.137+/-0.010 χ²/NDF:323568.2/5
+ sign 30.893+/-0.006 χ²/NDF: 2159763.9/23
All: 30.521+/-0.005 χ²/NDF: 4355568.6/48
- sign 30.141+/-0.006 χ²/NDF: 2188868.4/24



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.2/7

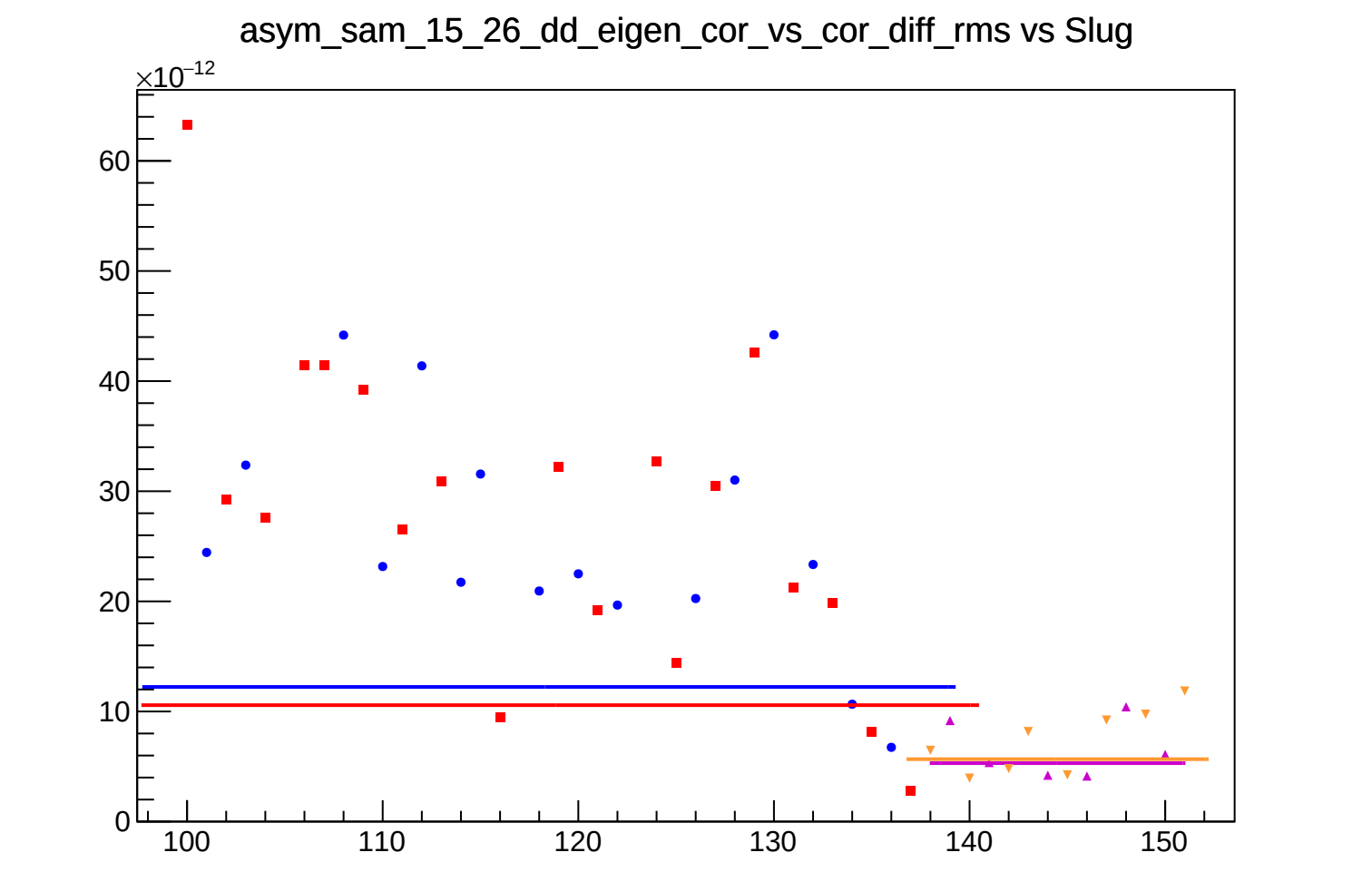
Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:5.6/5

+ sign -0.000+/-0.000 χ^2/NDF: 14.6/23

All: -0.000+/-0.000 χ^2/NDF: 43.2/48

- sign 0.000+/-0.000 χ^2/NDF: 27.2/24



Right In: 0.000+/-0.000 χ^2/NDF: 3437895.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1184577.3/7

Right Out: 0.000+/-0.000 χ^2/NDF: 4770079.9/18

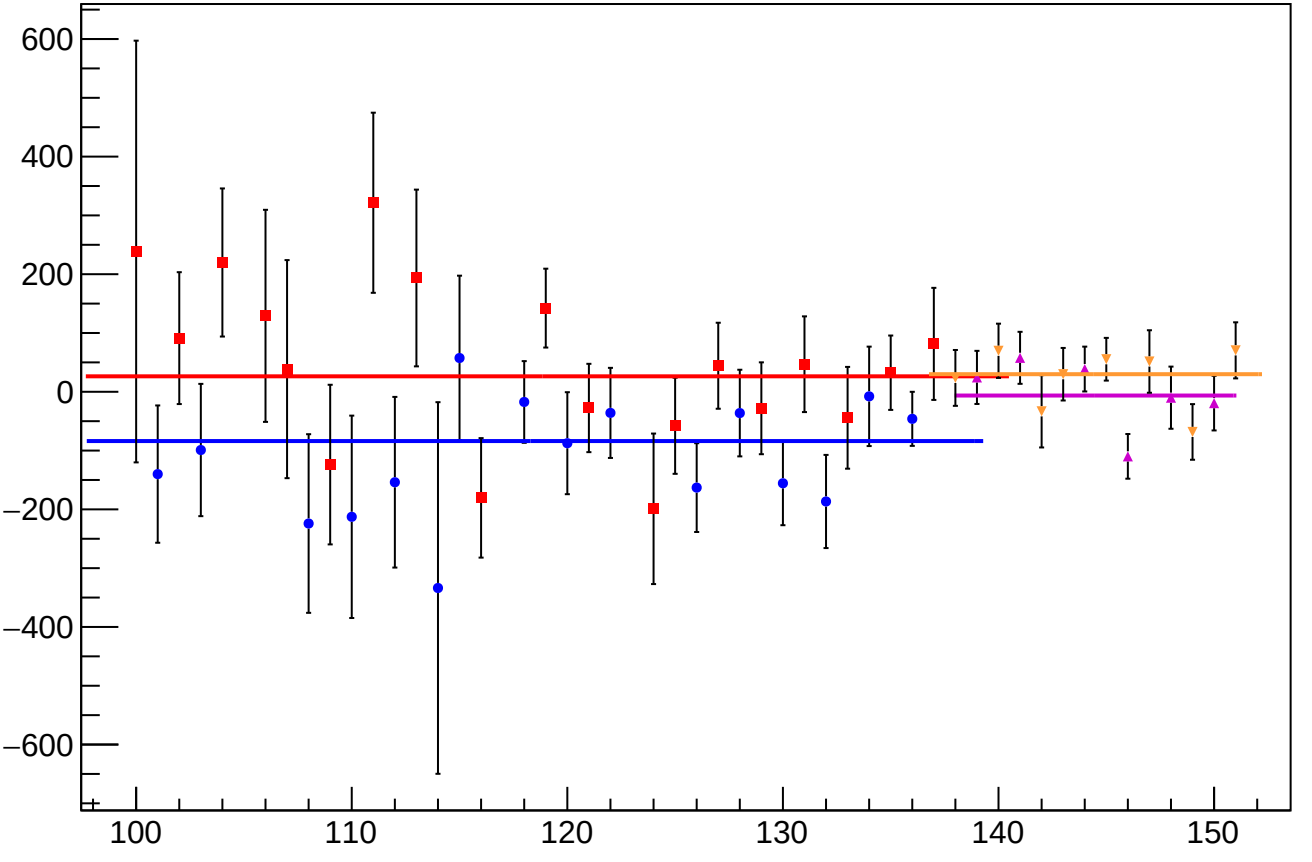
Left In: 0.000+/-0.000 χ^2/NDF:676160.3/5

+ sign 0.000+/-0.000 χ^2/NDF: 6175795.3/23

All: 0.000+/-0.000 χ^2/NDF: 12691602.6/48

- sign 0.000+/-0.000 χ^2/NDF: 6481612.5/24

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 29.922+/-16.494 χ^2/NDF:7.5/7

Right Out: 26.301+/-22.067 χ^2/NDF: 23.0/18

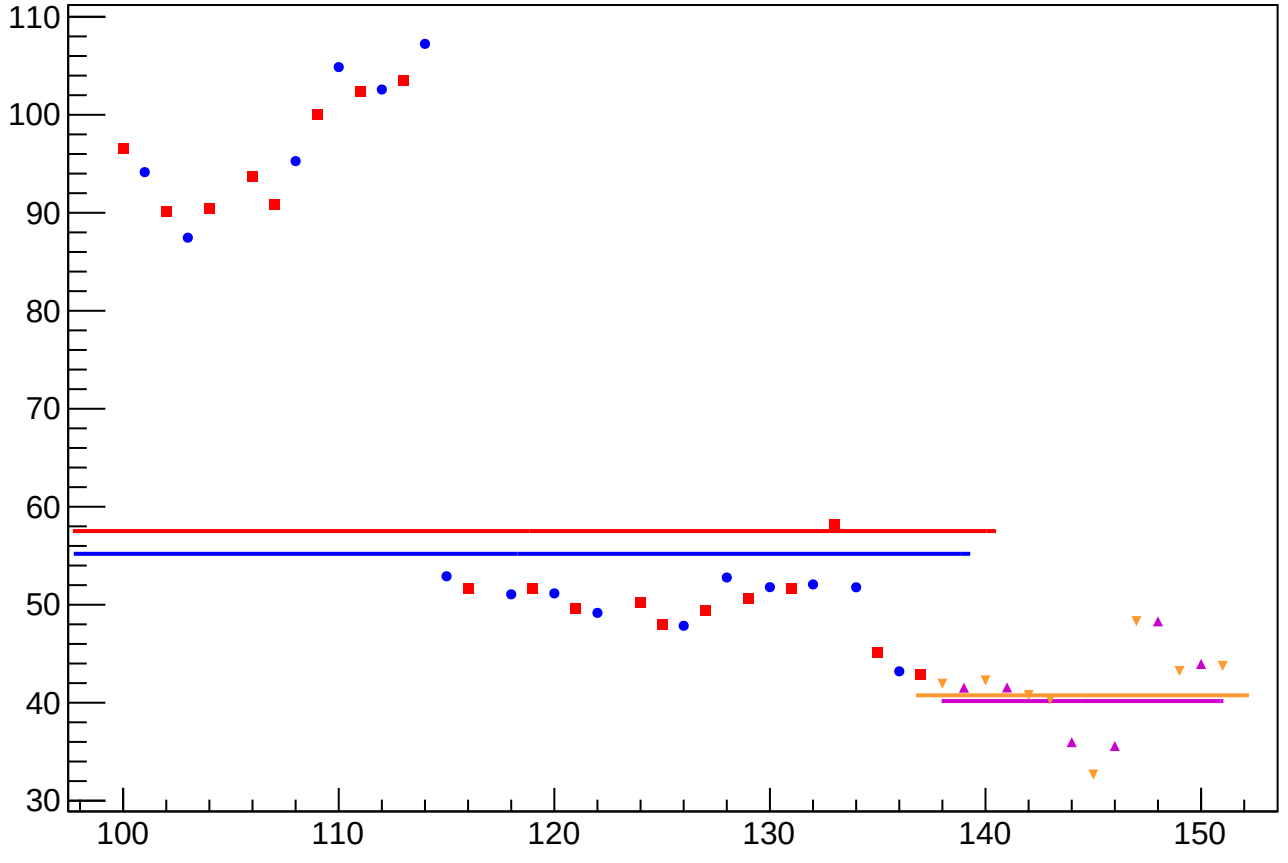
Left In: -6.379+/-17.667 χ^2/NDF:11.5/5

+ sign -12.376+/-13.072 χ^2/NDF: 35.7/23

All: -3.497+/-9.487 χ^2/NDF: 72.5/48

- sign 6.386+/-13.792 χ^2/NDF: 35.8/24

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.1/15

Left Out: 40.757+/-0.012 χ^2/NDF:156554.4/7

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

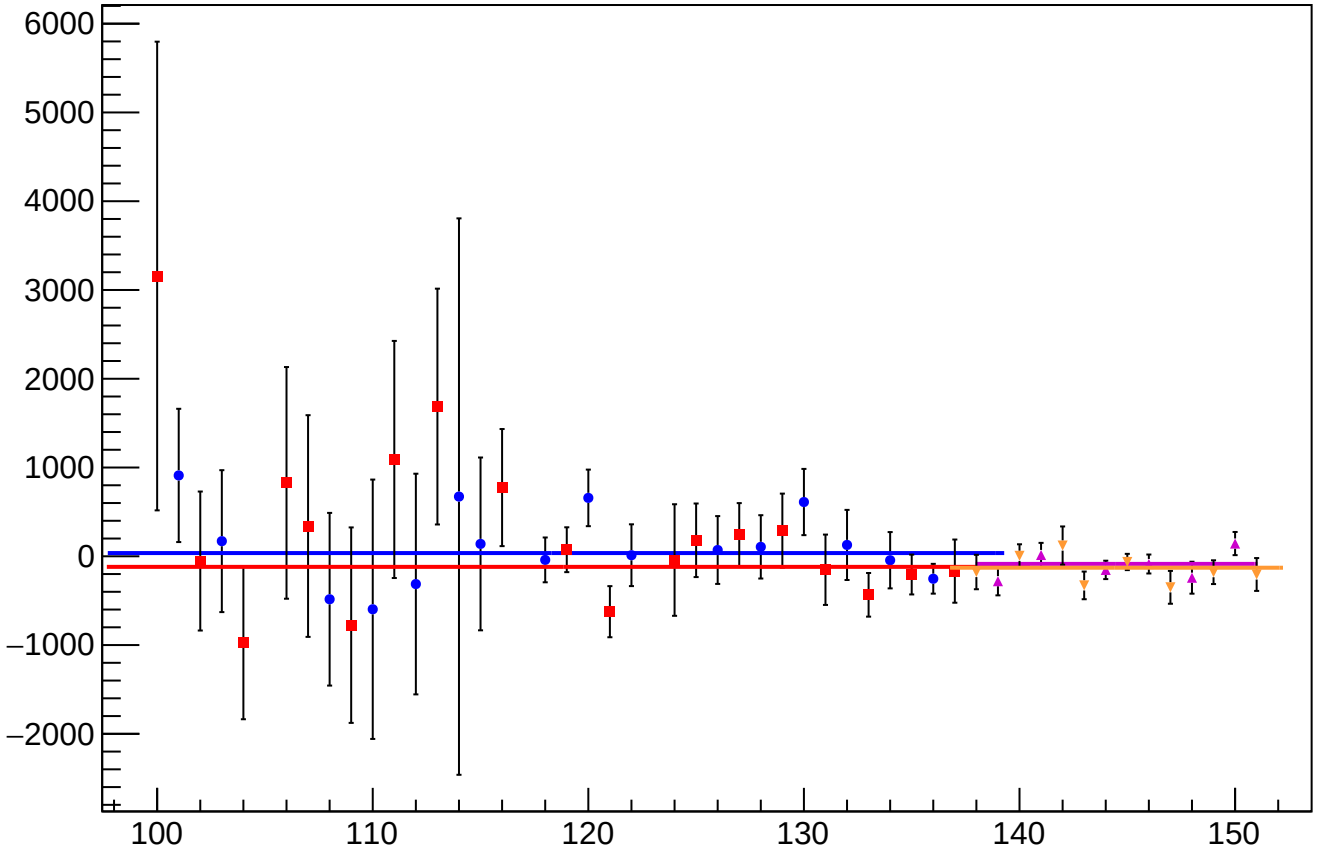
Left In: 40.167+/-0.012 χ^2/NDF:117868.3/5

+ sign 46.128+/-0.009 χ^2/NDF: 1879281.8/23

All: 46.514+/-0.007 χ^2/NDF: 4036271.6/48

- sign 46.945+/-0.010 χ^2/NDF: 2153292.8/24

asym_sam_37_26_dd_reg_correction_mean vs Slug



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -128.801+/-51.176 χ^2/NDF:6.3/7

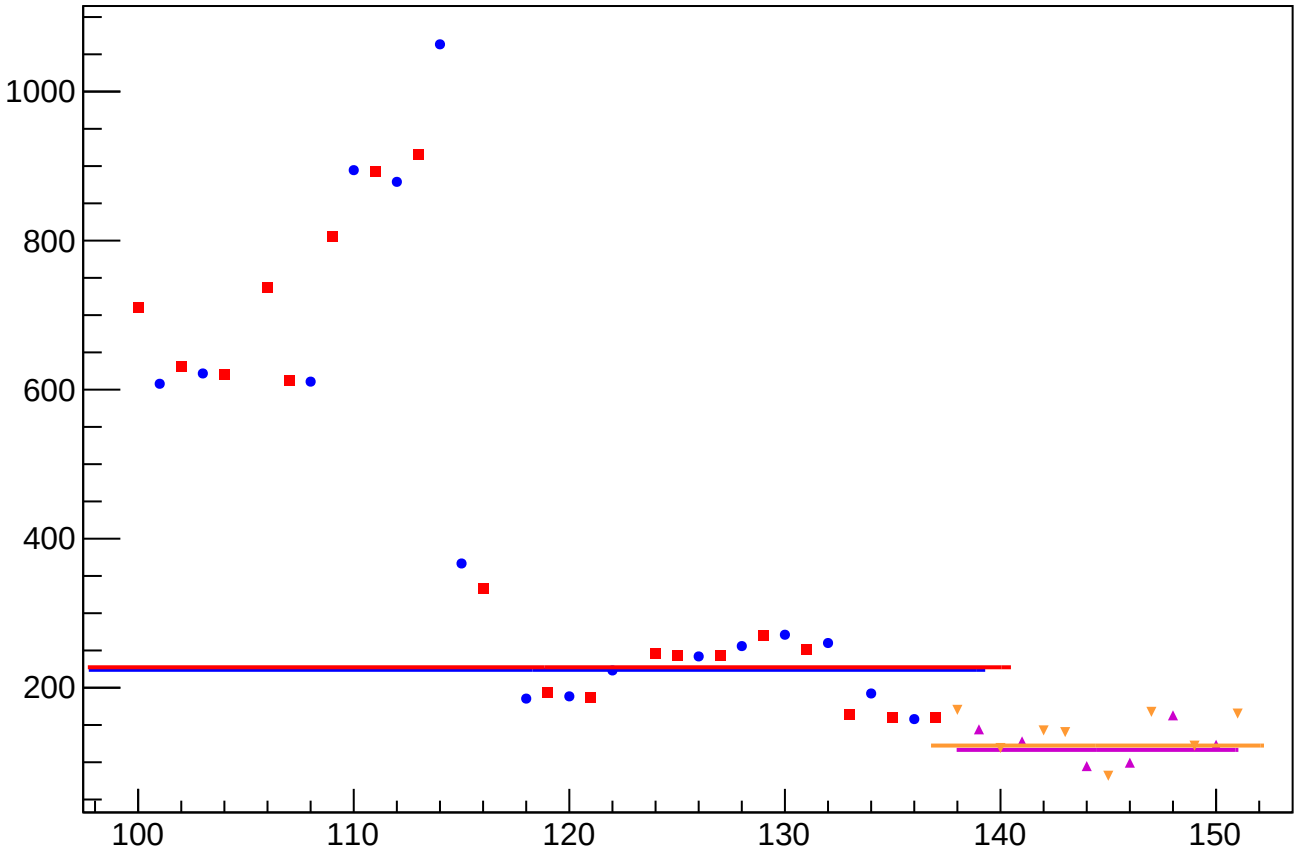
Right Out: -119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: -85.681+/-52.442 χ^2/NDF:6.3/5

+ sign -90.775+/-44.899 χ^2/NDF: 20.1/23

All: -92.054+/-32.132 χ^2/NDF: 42.5/48

- sign -93.397+/-46.005 χ^2/NDF: 22.4/24



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 122.399+/-0.036 χ^2/NDF:786370.6/7

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

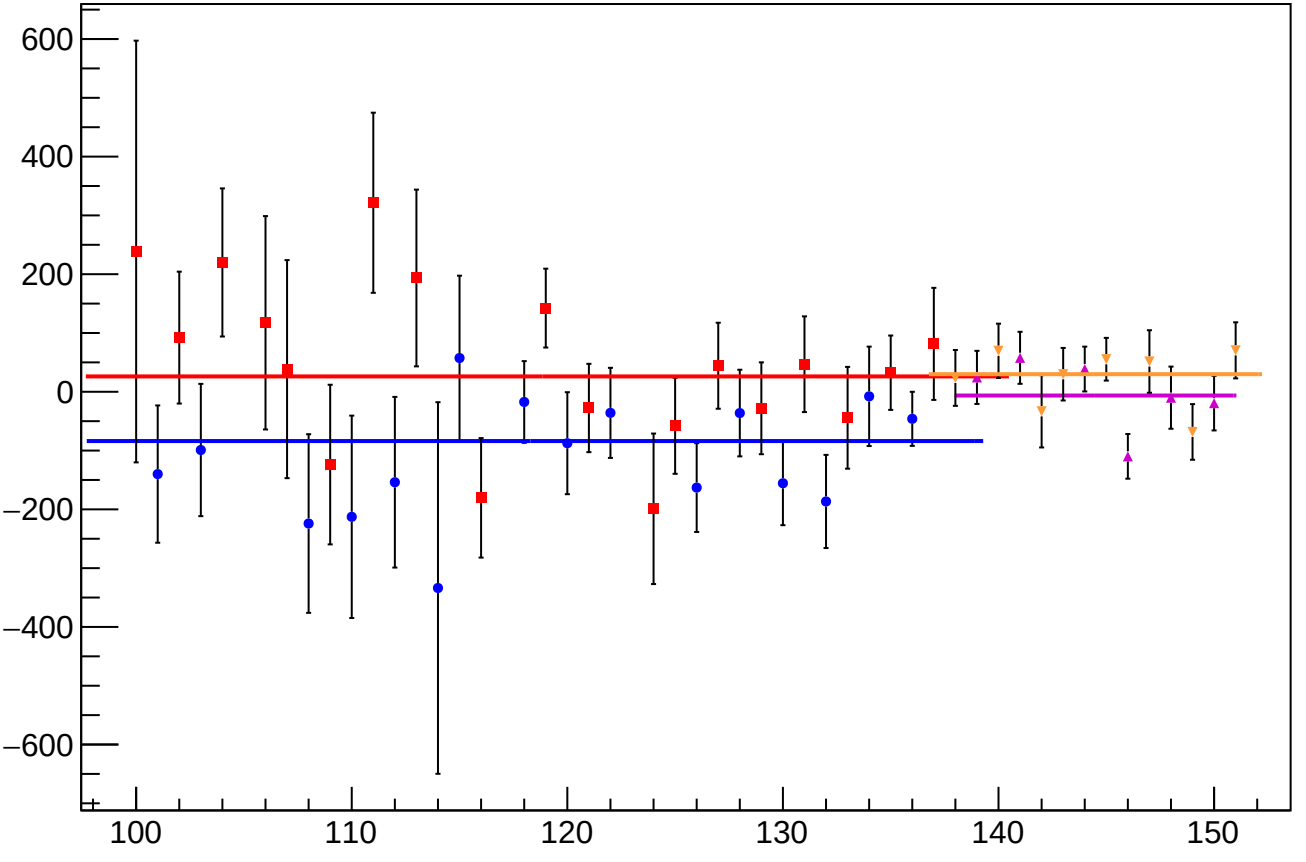
Left In: 116.598+/-0.037 χ^2/NDF:351974.1/5

+ sign 145.805+/-0.032 χ^2/NDF: 5571232.0/23

All: 144.019+/-0.023 χ^2/NDF: 11629673.1/48

- sign 142.144+/-0.033 χ^2/NDF: 6051951.5/24

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 29.921+/-16.494 χ^2/NDF:7.5/7

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

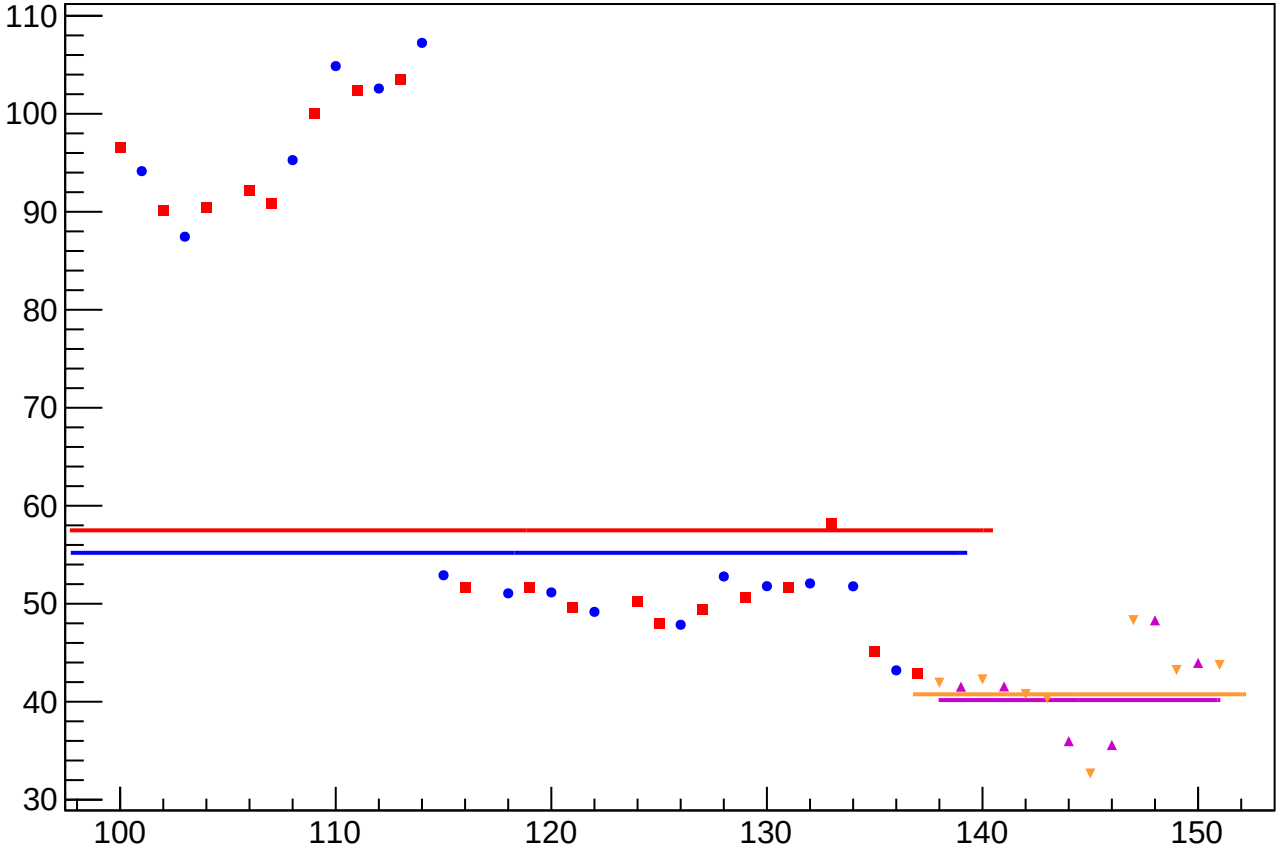
Left In: -6.379+/-17.667 χ^2/NDF:11.5/5

+ sign -12.375+/-13.072 χ^2/NDF: 35.7/23

All: -3.527+/-9.488 χ^2/NDF: 72.4/48

- sign 6.323+/-13.792 χ^2/NDF: 35.7/24

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 40.757+/-0.012 χ^2/NDF:156554.4/7

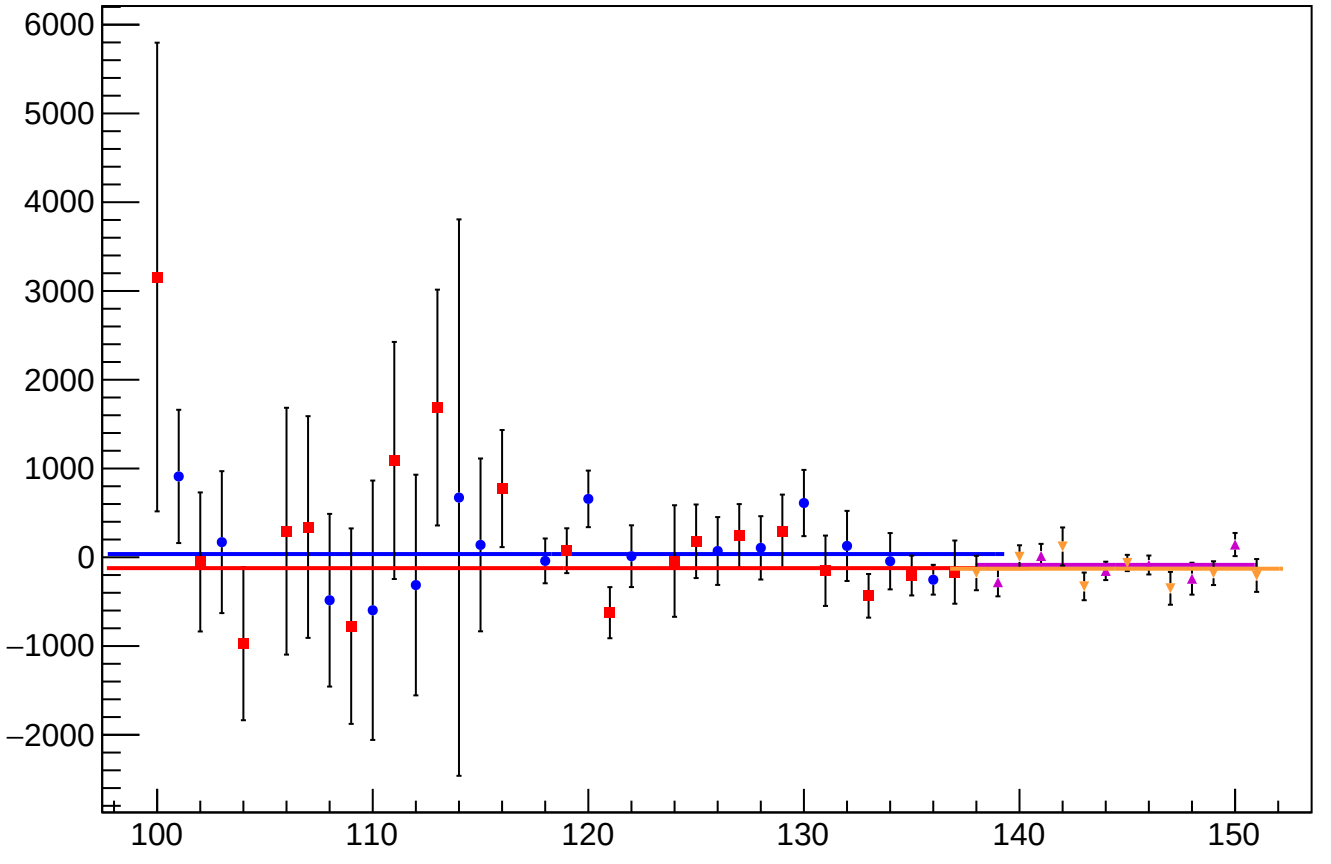
Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 40.167+/-0.012 χ^2/NDF:117868.3/5

\+ sign 46.128+/-0.009 χ^2/NDF: 1879282.1/23

All: 46.509+/-0.007 χ^2/NDF: 4026164.0/48

\- sign 46.933+/-0.010 χ^2/NDF: 2143293.6/24



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -128.802+/-51.176 χ^2/NDF:6.3/7

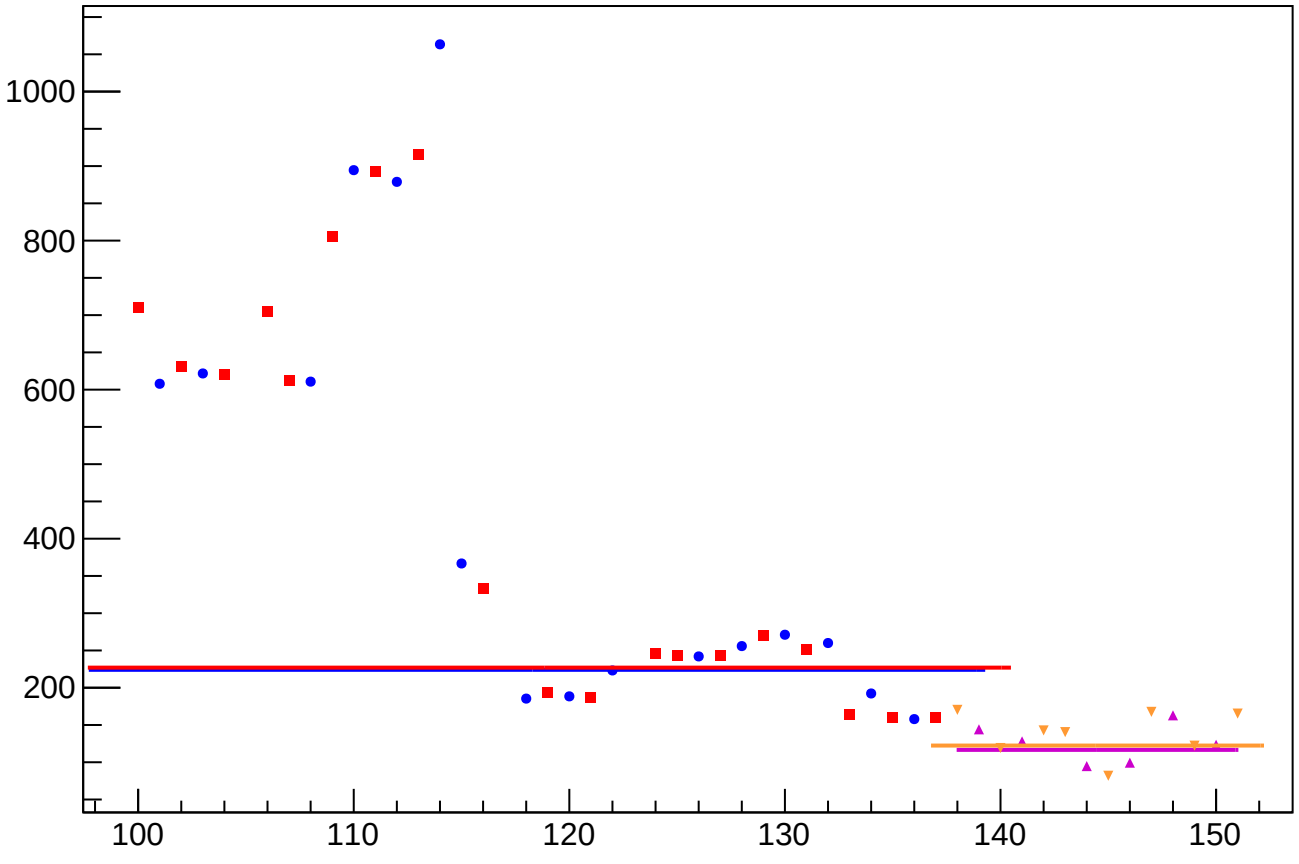
Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: -85.680+/-52.442 χ^2/NDF:6.3/5

+ sign -90.776+/-44.899 χ^2/NDF: 20.1/23

All: -92.403+/-32.133 χ^2/NDF: 42.1/48

- sign -94.112+/-46.008 χ^2/NDF: 22.0/24



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 122.399+/-0.036 χ^2/NDF:786376.8/7

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

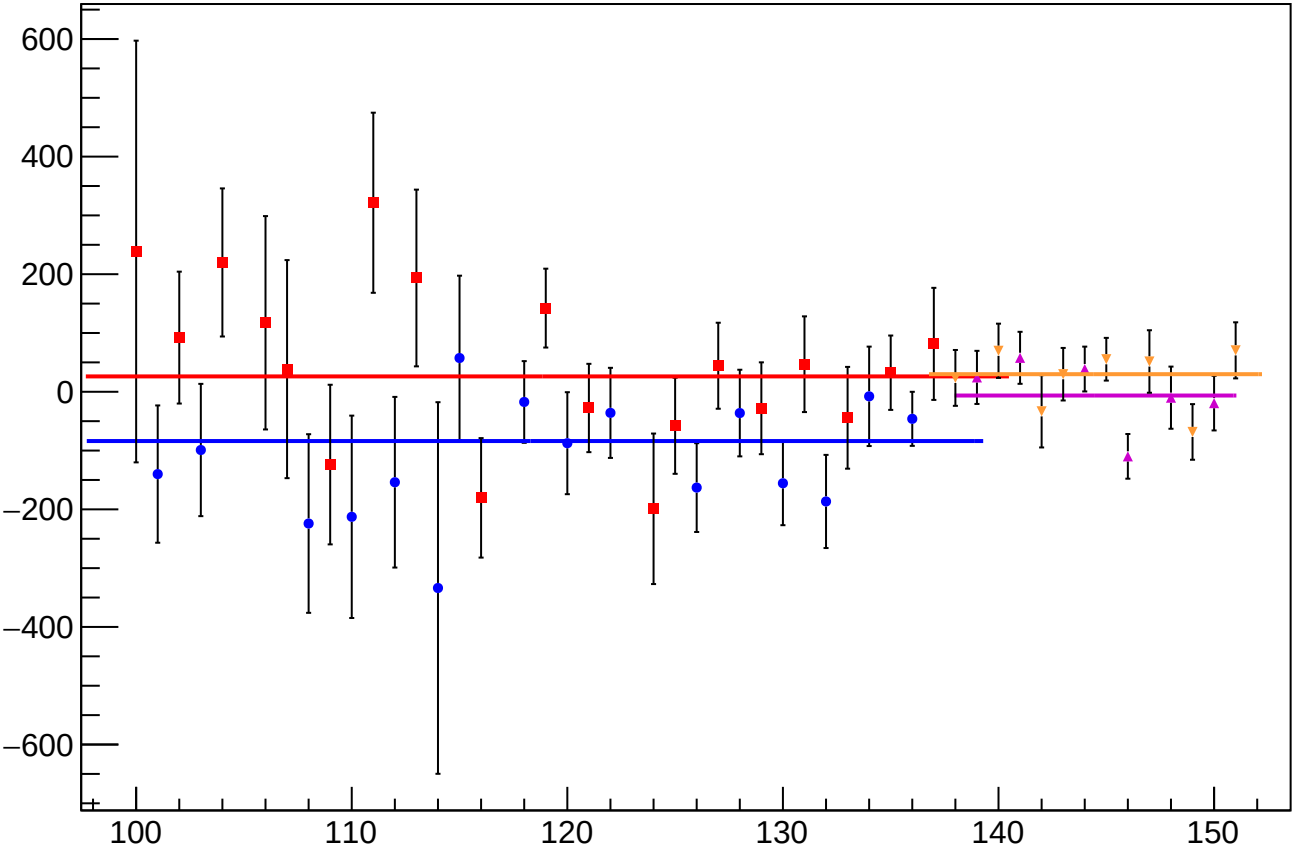
Left In: 116.598+/-0.037 χ^2/NDF:351972.7/5

+ sign 145.805+/-0.032 χ^2/NDF: 5571244.1/23

All: 143.959+/-0.023 χ^2/NDF: 11542632.0/48

- sign 142.020+/-0.033 χ^2/NDF: 5964453.3/24

eigen_cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 29.921+/-16.494 χ^2/NDF:7.5/7

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

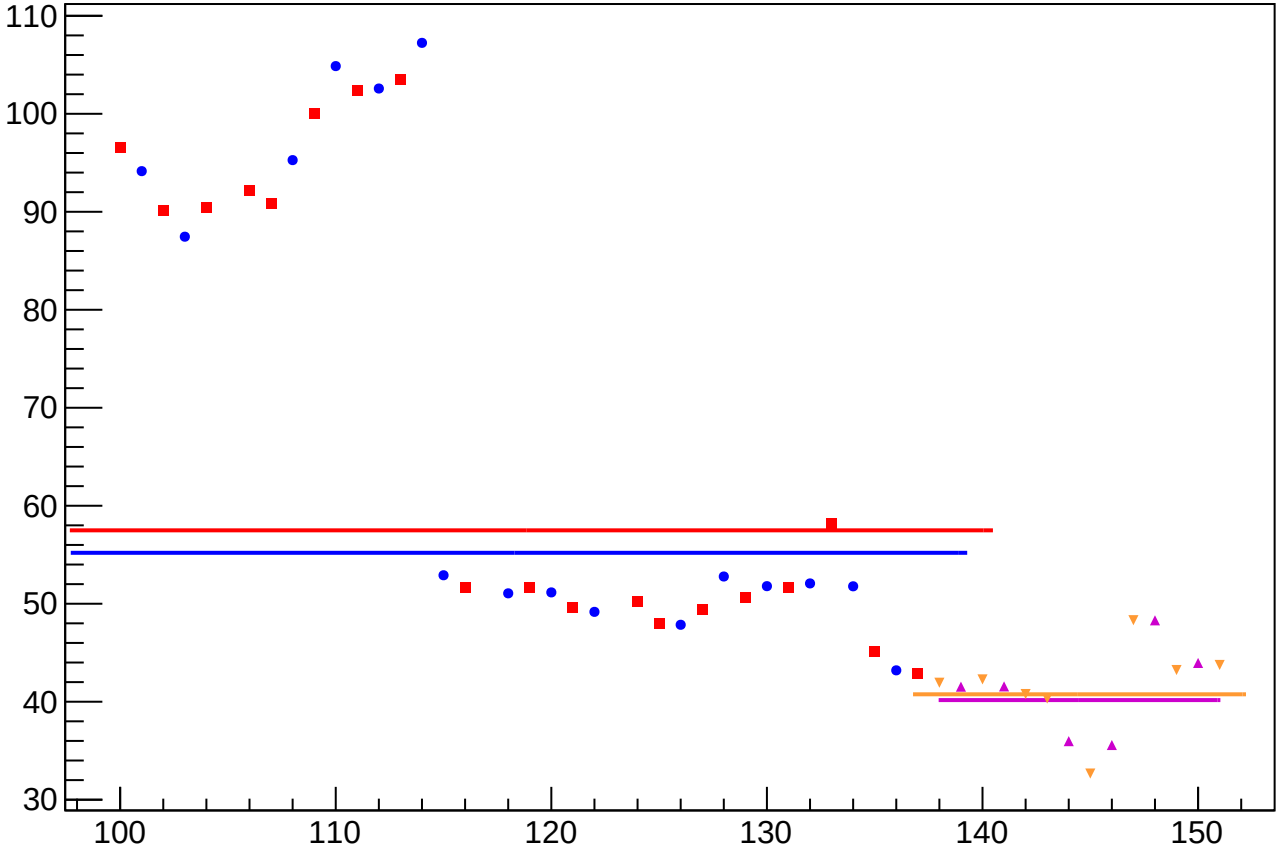
Left In: -6.379+/-17.667 χ^2/NDF:11.5/5

+ sign -12.375+/-13.072 χ^2/NDF: 35.7/23

All: -3.527+/-9.488 χ^2/NDF: 72.4/48

- sign 6.323+/-13.792 χ^2/NDF: 35.7/24

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 40.757+/-0.012 χ^2/NDF:156554.4/7

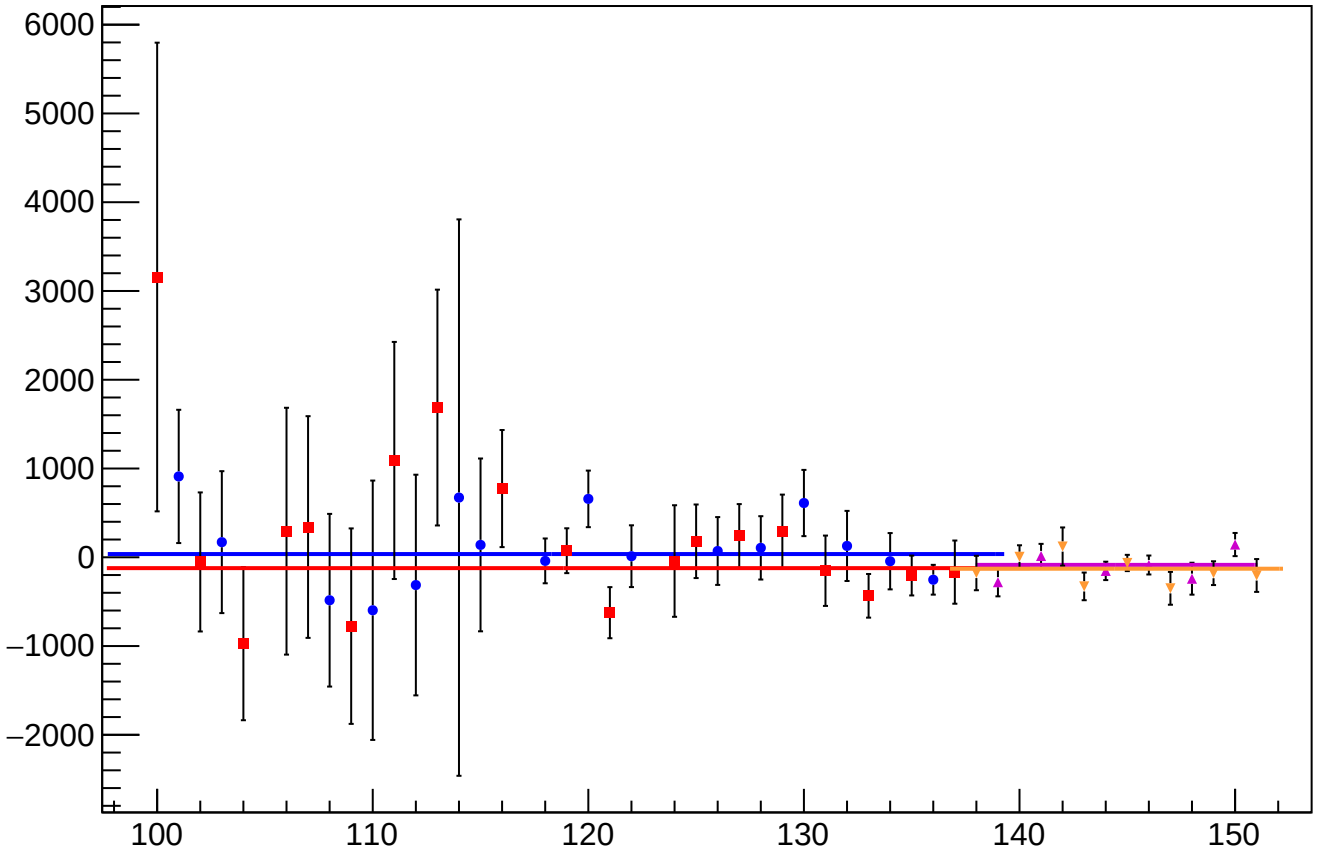
Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 40.167+/-0.012 χ^2/NDF:117868.3/5

\+ sign 46.128+/-0.009 χ^2/NDF: 1879282.1/23

All: 46.509+/-0.007 χ^2/NDF: 4026164.0/48

\- sign 46.933+/-0.010 χ^2/NDF: 2143293.6/24



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -128.802+/-51.176 χ^2/NDF:6.3/7

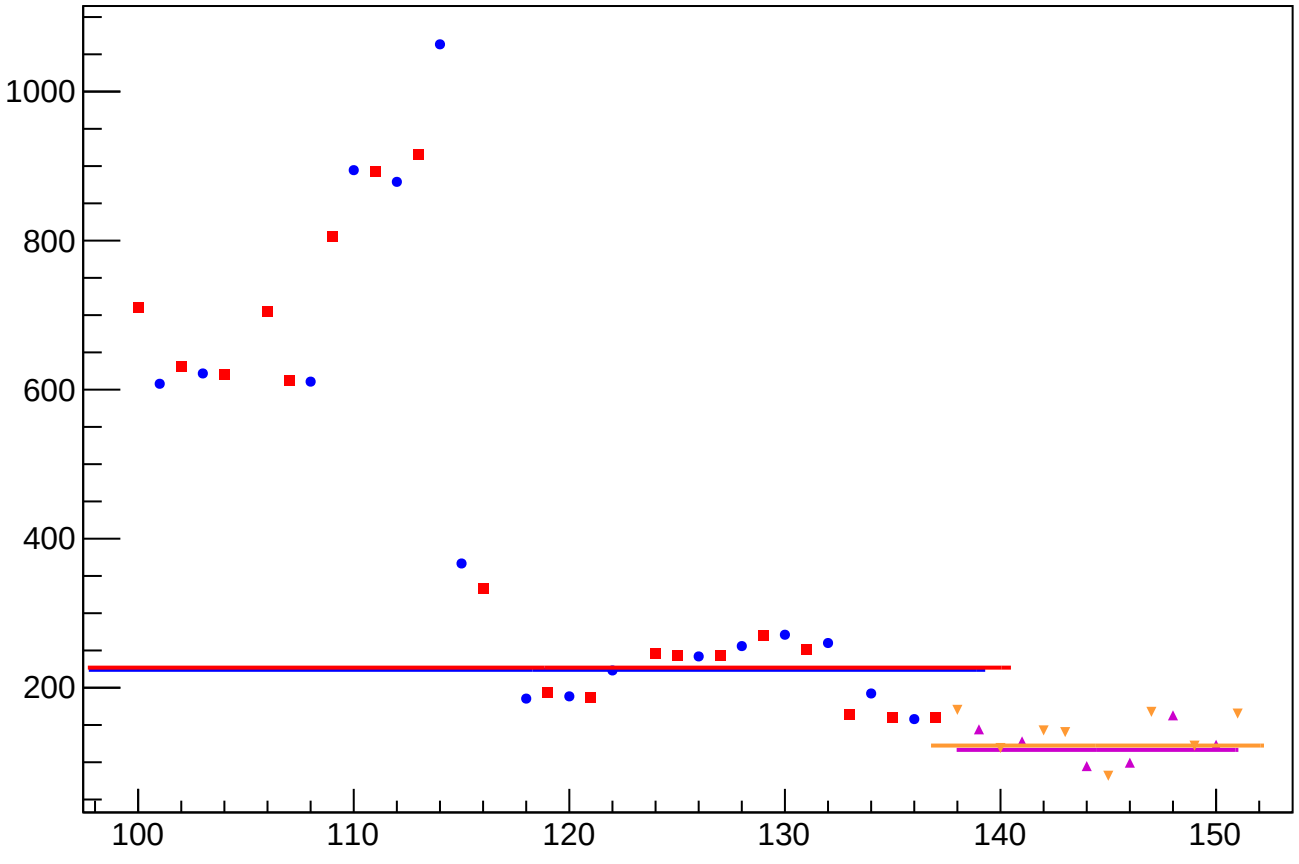
Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: -85.680+/-52.442 χ^2/NDF:6.3/5

+ sign -90.776+/-44.899 χ^2/NDF: 20.1/23

All: -92.403+/-32.133 χ^2/NDF: 42.1/48

- sign -94.112+/-46.008 χ^2/NDF: 22.0/24



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 122.399+/-0.036 χ^2/NDF:786376.8/7

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

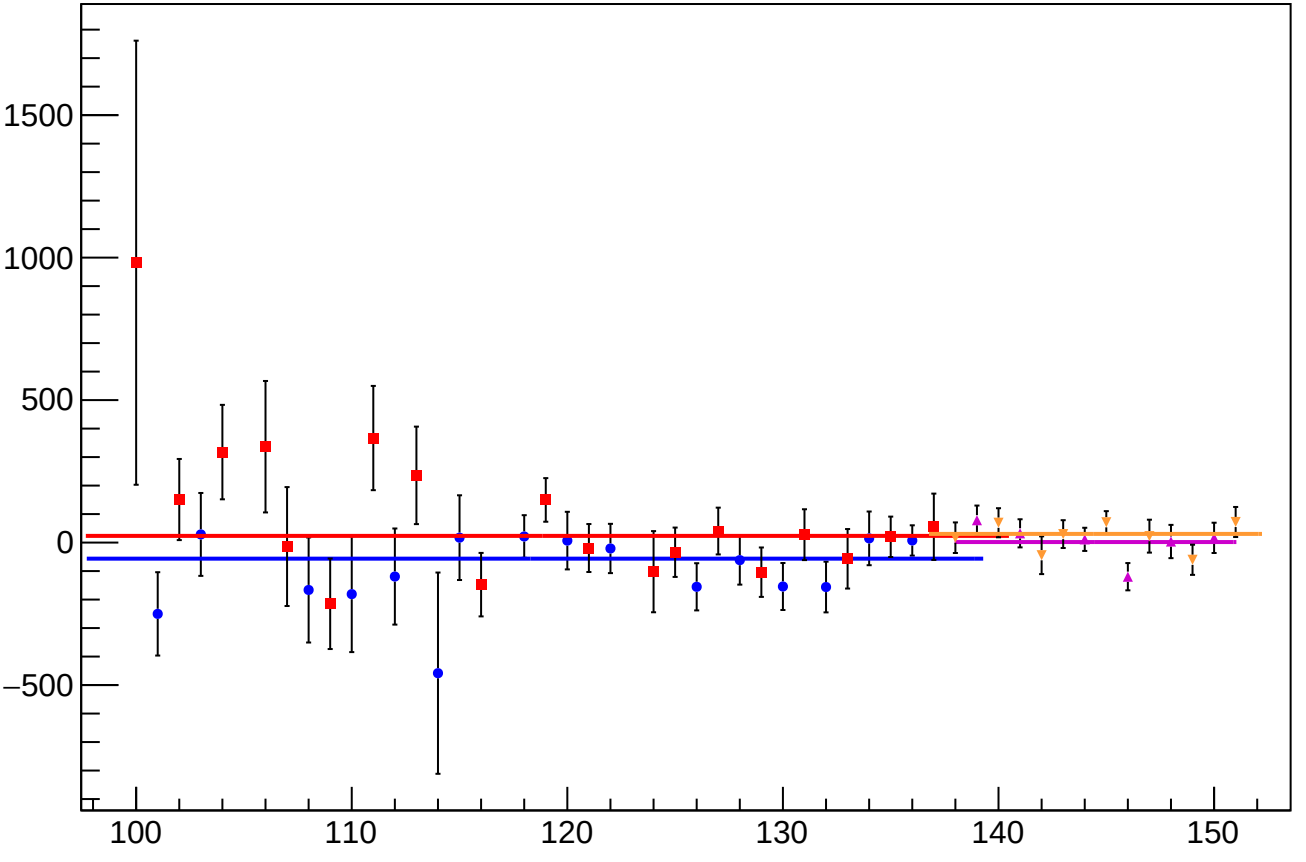
Left In: 116.598+/-0.037 χ^2/NDF:351972.7/5

\+ sign 145.805+/-0.032 χ^2/NDF: 5571244.1/23

All: 143.959+/-0.023 χ^2/NDF: 11542632.0/48

\- sign 142.020+/-0.033 χ^2/NDF: 5964453.3/24

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 30.419+/-18.108 χ^2/NDF:6.6/7

Right Out: 23.495+/-25.161 χ^2/NDF: 24.1/18

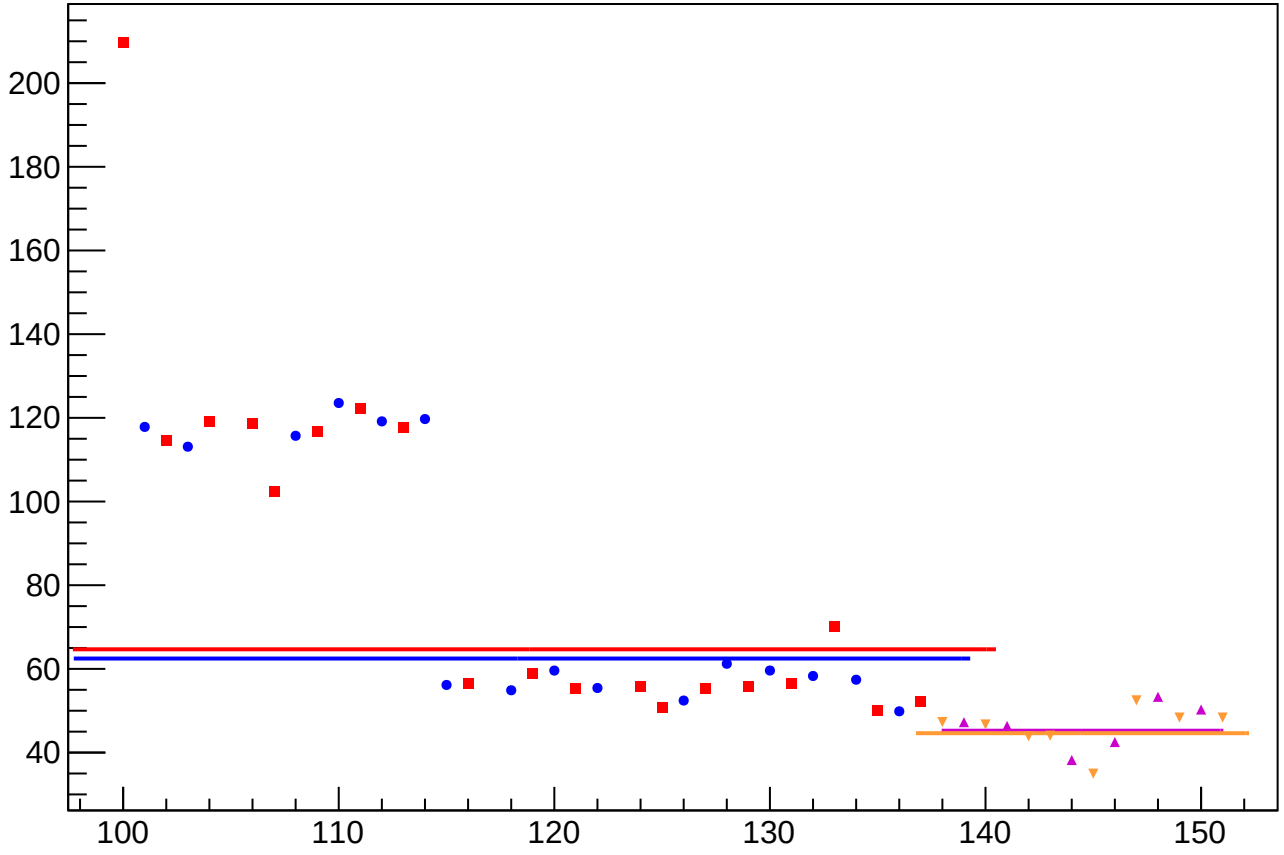
Left In: 1.842+/-20.083 χ^2/NDF:9.2/5

+ sign -0.275+/-14.560 χ^2/NDF: 27.0/23

All: 4.601+/-10.674 χ^2/NDF: 61.0/48

- sign 10.269+/-15.696 χ^2/NDF: 33.7/24

dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.474+/-0.017 χ^2/NDF: 1348224.3/15

Left Out: 44.633+/-0.013 χ^2/NDF:188345.0/7

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

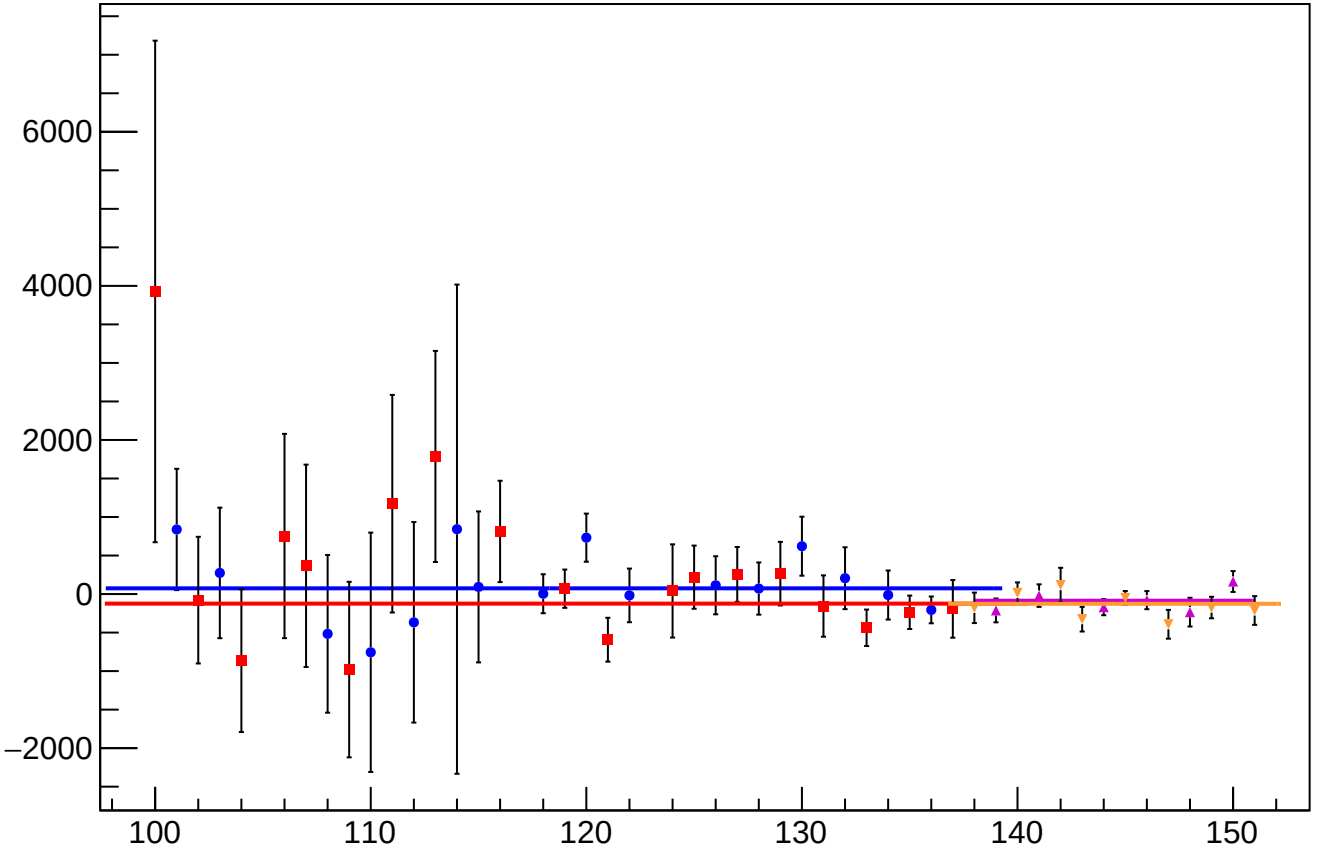
Left In: 45.222+/-0.014 χ^2/NDF:126699.9/5

+ sign 50.940+/-0.010 χ^2/NDF: 2222875.1/23

All: 51.798+/-0.008 χ^2/NDF: 4685682.1/48

- sign 52.795+/-0.011 χ^2/NDF: 2447787.3/24

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -126.461+/-51.958 χ^2/NDF:6.9/7

Right Out: -124.201+/-94.665 χ^2/NDF: 16.3/18

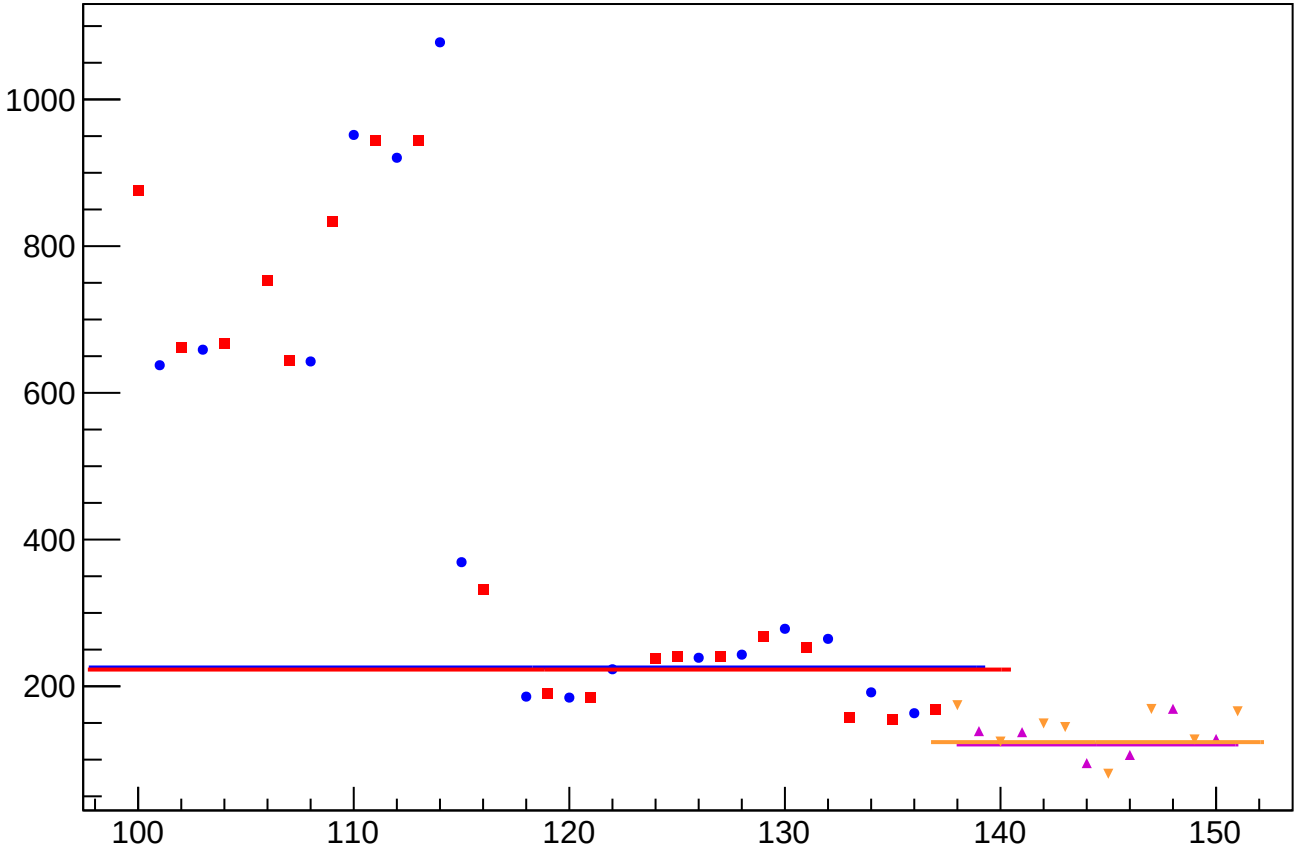
Left In: -86.336+/-54.594 χ^2/NDF:5.5/5

+ sign -79.855+/-45.529 χ^2/NDF: 21.6/23

All: -87.518+/-32.800 χ^2/NDF: 43.6/48

- sign -95.787+/-47.293 χ^2/NDF: 22.0/24

asym_sam_37_26_dd_dit_correction_rms vs Slug



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 123.881+/-0.037 χ^2/NDF:866502.4/7

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

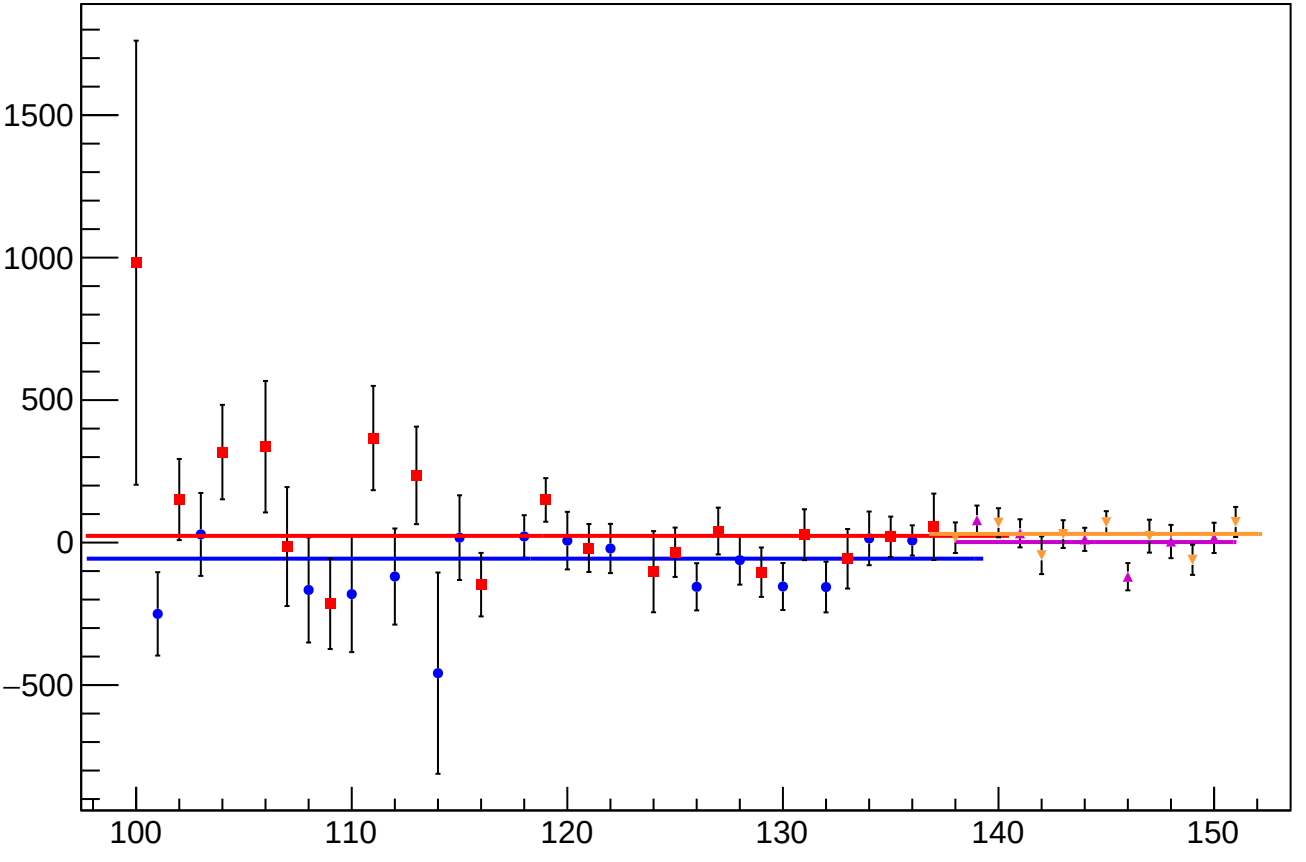
Left In: 120.704+/-0.039 χ^2/NDF:343647.0/5

+ sign 147.499+/-0.032 χ^2/NDF: 5672579.0/23

All: 146.866+/-0.023 χ^2/NDF: 11610397.8/48

- sign 146.182+/-0.033 χ^2/NDF: 5937013.9/24

eigen_dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 30.419+/-18.108 χ^2/NDF:6.6/7

Right Out: 23.498+/-25.160 χ^2/NDF: 24.1/18

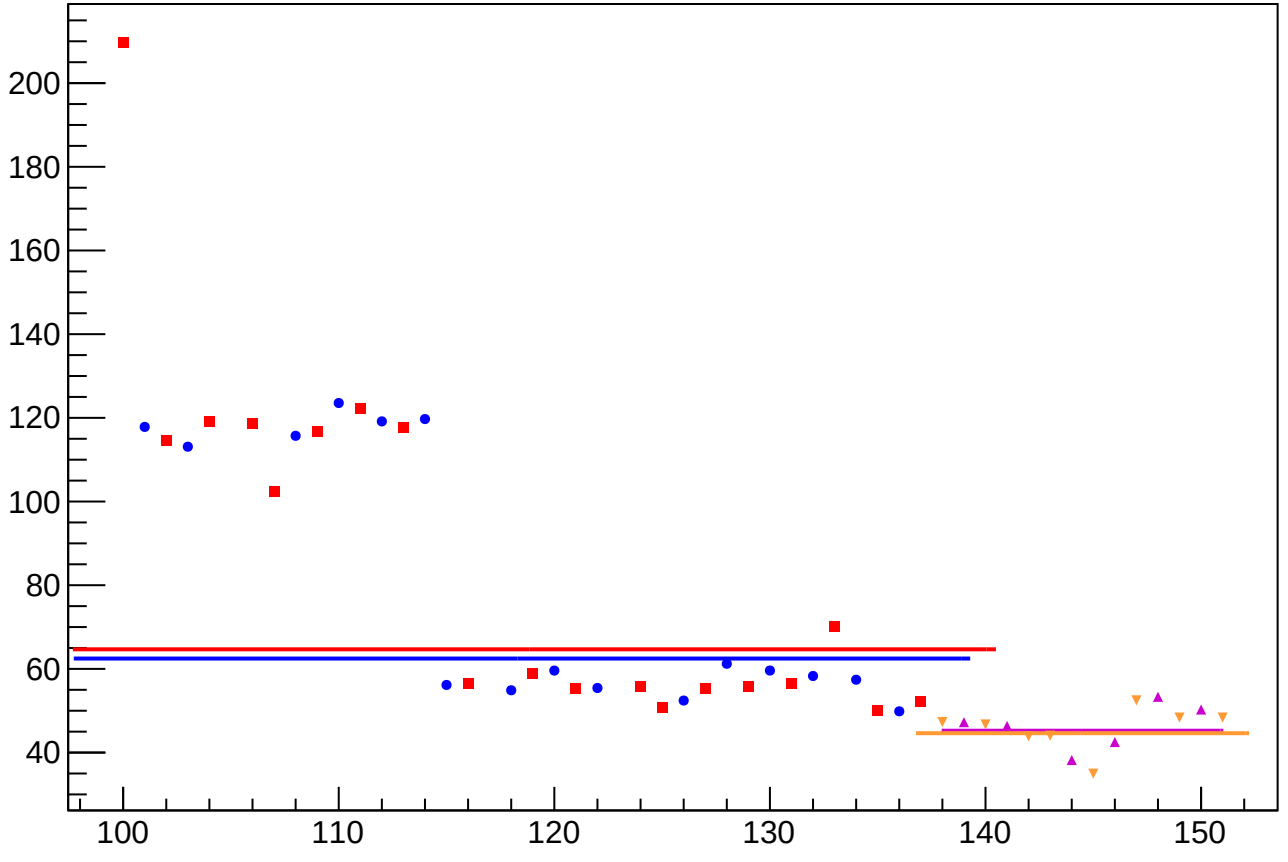
Left In: 1.841+/-20.083 χ^2/NDF:9.2/5

+ sign -0.276+/-14.560 χ^2/NDF: 27.0/23

All: 4.601+/-10.674 χ^2/NDF: 61.0/48

- sign 10.269+/-15.696 χ^2/NDF: 33.7/24

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 44.633+/-0.013 χ^2/NDF:188348.0/7

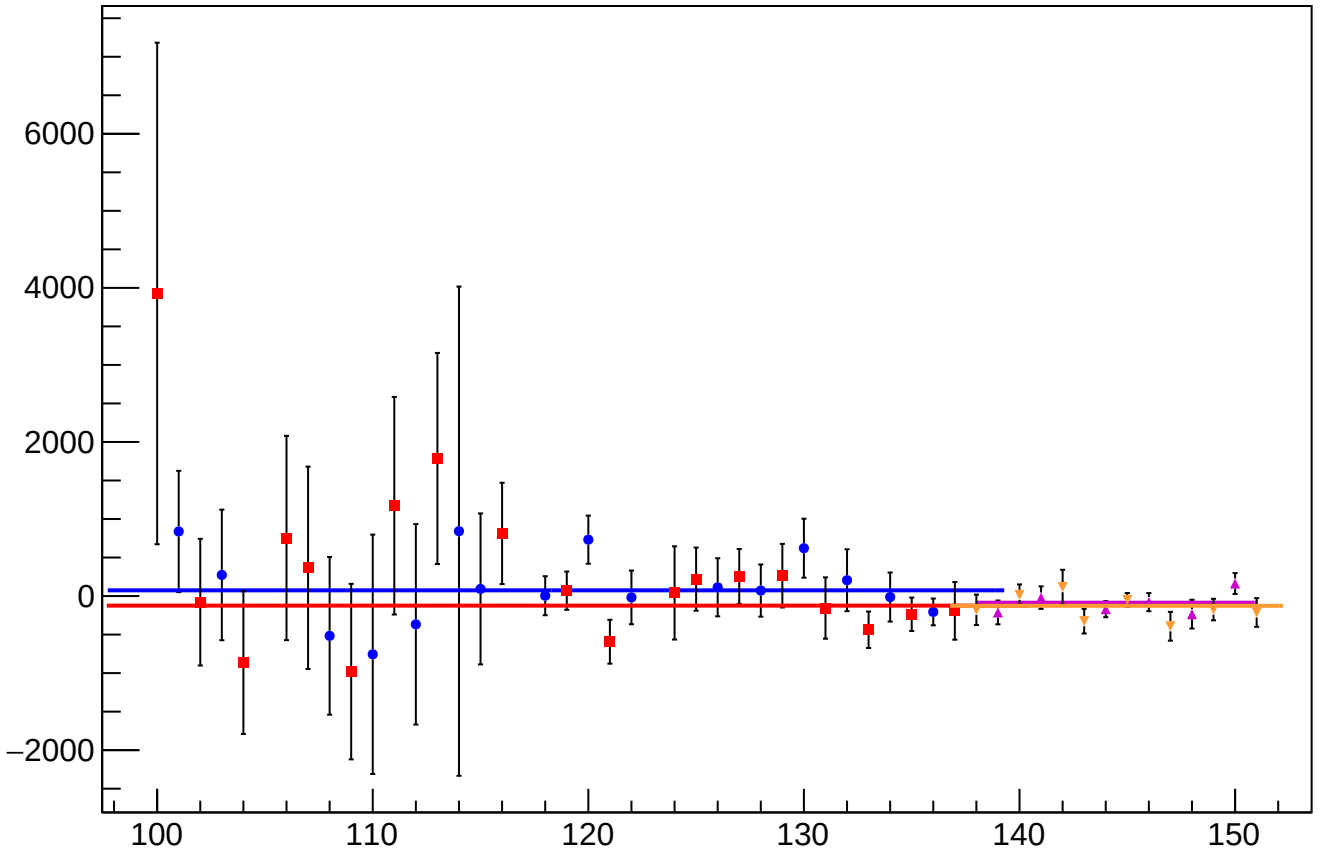
Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 45.222+/-0.014 χ^2/NDF:126698.8/5

+ sign 50.940+/-0.010 χ^2/NDF: 2222819.5/23

All: 51.798+/-0.008 χ^2/NDF: 4685586.6/48

- sign 52.795+/-0.011 χ^2/NDF: 2447747.3/24



Right In: 74.295+/-94.492 χ^2/NDF: 11.2/15

Left Out: -126.461+/-51.958 χ^2/NDF:6.9/7

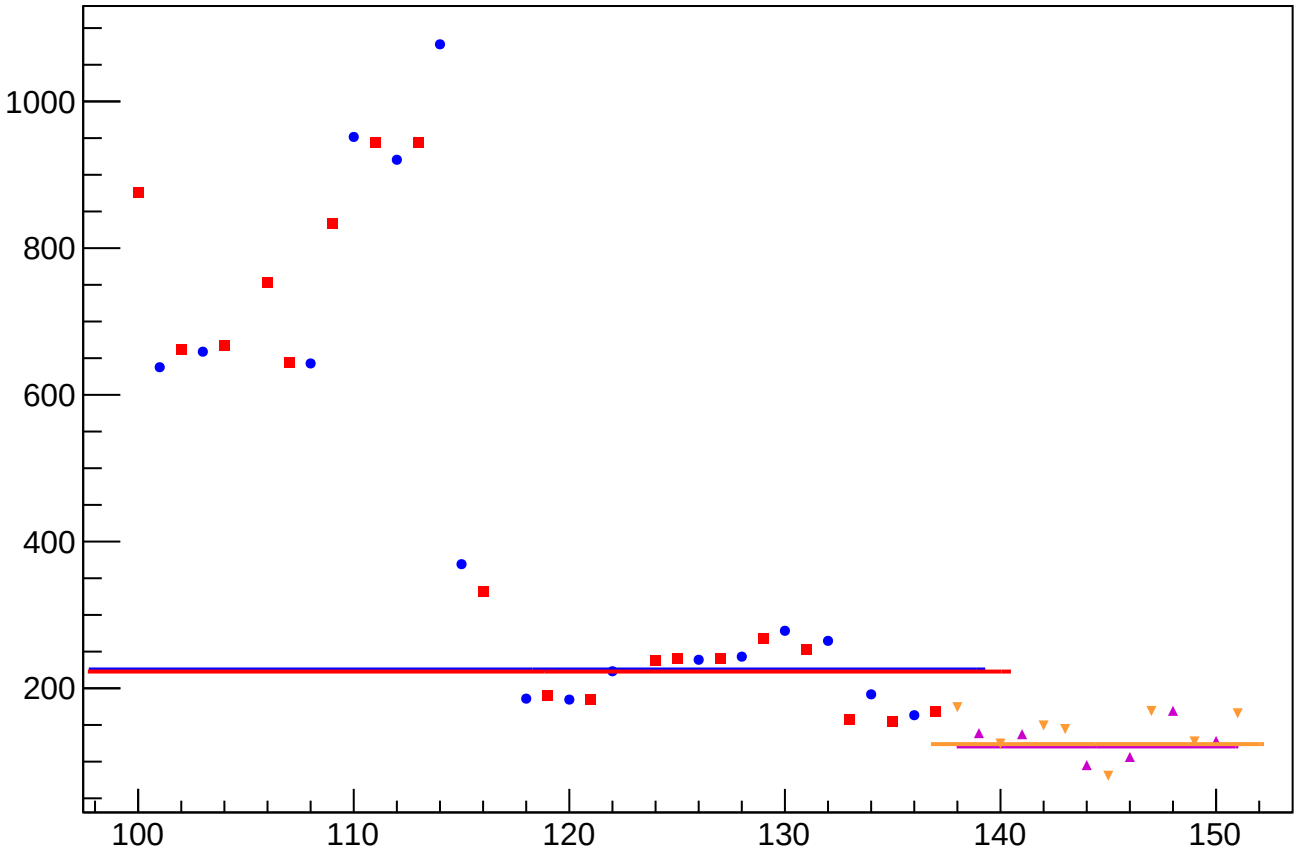
Right Out: -124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: -86.337+/-54.594 χ^2/NDF:5.5/5

+ sign -79.854+/-45.529 χ^2/NDF: 21.6/23

All: -87.517+/-32.800 χ^2/NDF: 43.6/48

- sign -95.787+/-47.293 χ^2/NDF: 22.0/24



Right In: 225.614+/-0.067 χ^2/NDF: 3025994.8/15

Left Out: 123.881+/-0.037 χ^2/NDF:866512.3/7

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

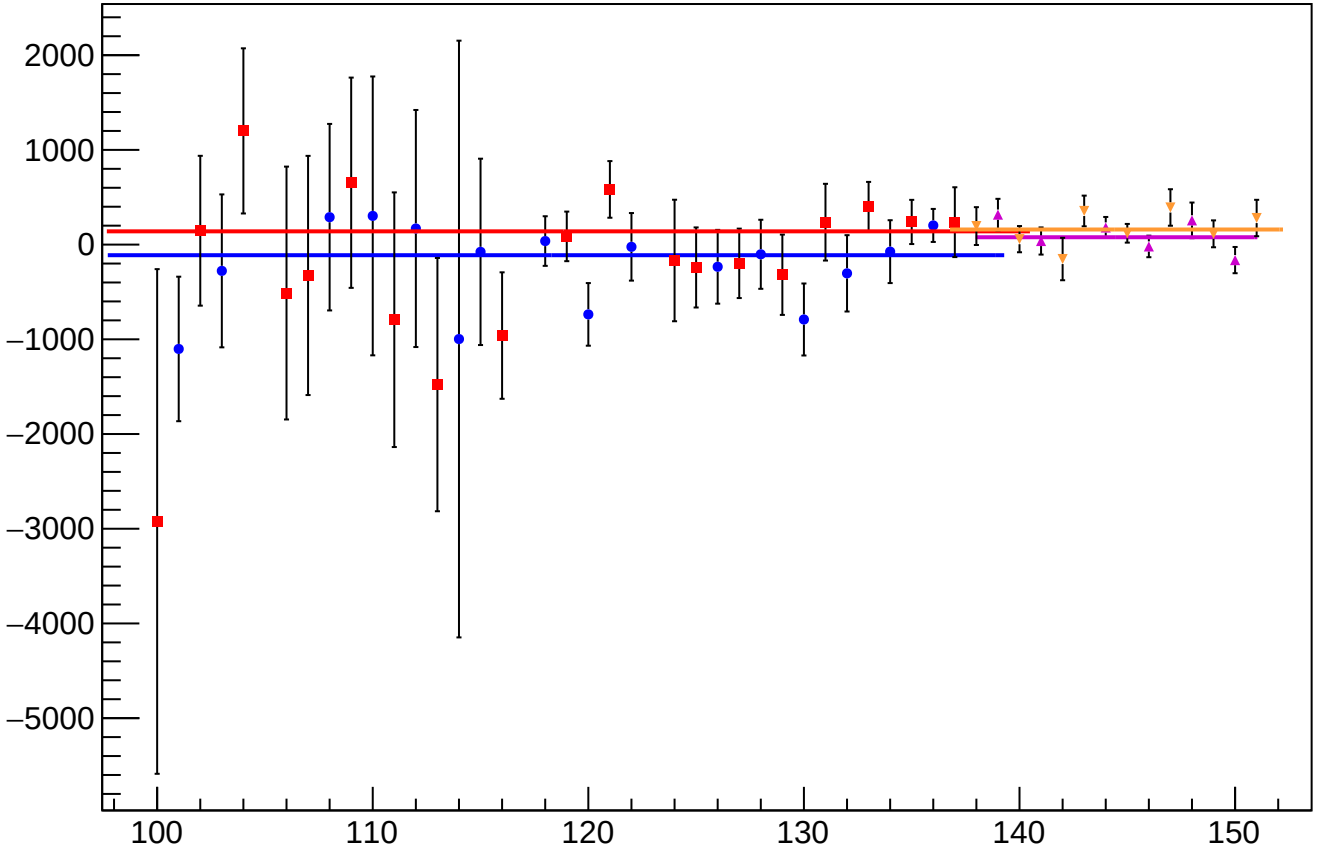
Left In: 120.704+/-0.039 χ^2/NDF:343656.0/5

+ sign 147.500+/-0.032 χ^2/NDF: 5672554.4/23

All: 146.866+/-0.023 χ^2/NDF: 11610363.9/48

- sign 146.182+/-0.033 χ^2/NDF: 5937004.4/24

asym_sam_37_26_dd_mean vs Slug



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 159.423+/-54.115 χ^2/NDF:6.1/7

Right Out: 139.974+/-99.174 χ^2/NDF: 14.6/18

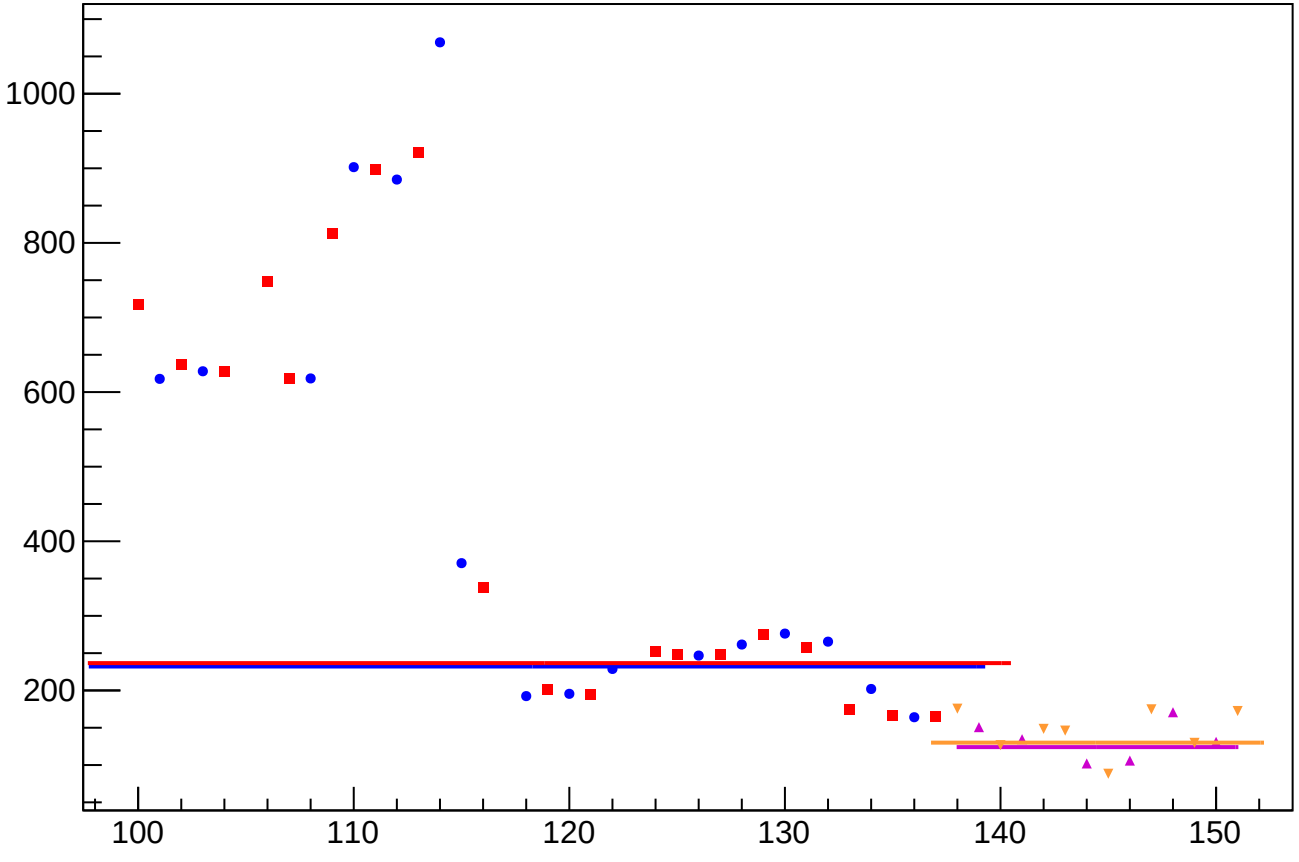
Left In: 77.699+/-55.605 χ^2/NDF:7.7/5

+ sign 94.560+/-47.206 χ^2/NDF: 24.9/23

All: 93.603+/-33.828 χ^2/NDF: 47.5/48

- sign 92.593+/-48.501 χ^2/NDF: 22.6/24

asym_sam_37_26_dd_rms vs Slug



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 130.034+/-0.038 χ^2/NDF:700140.1/7

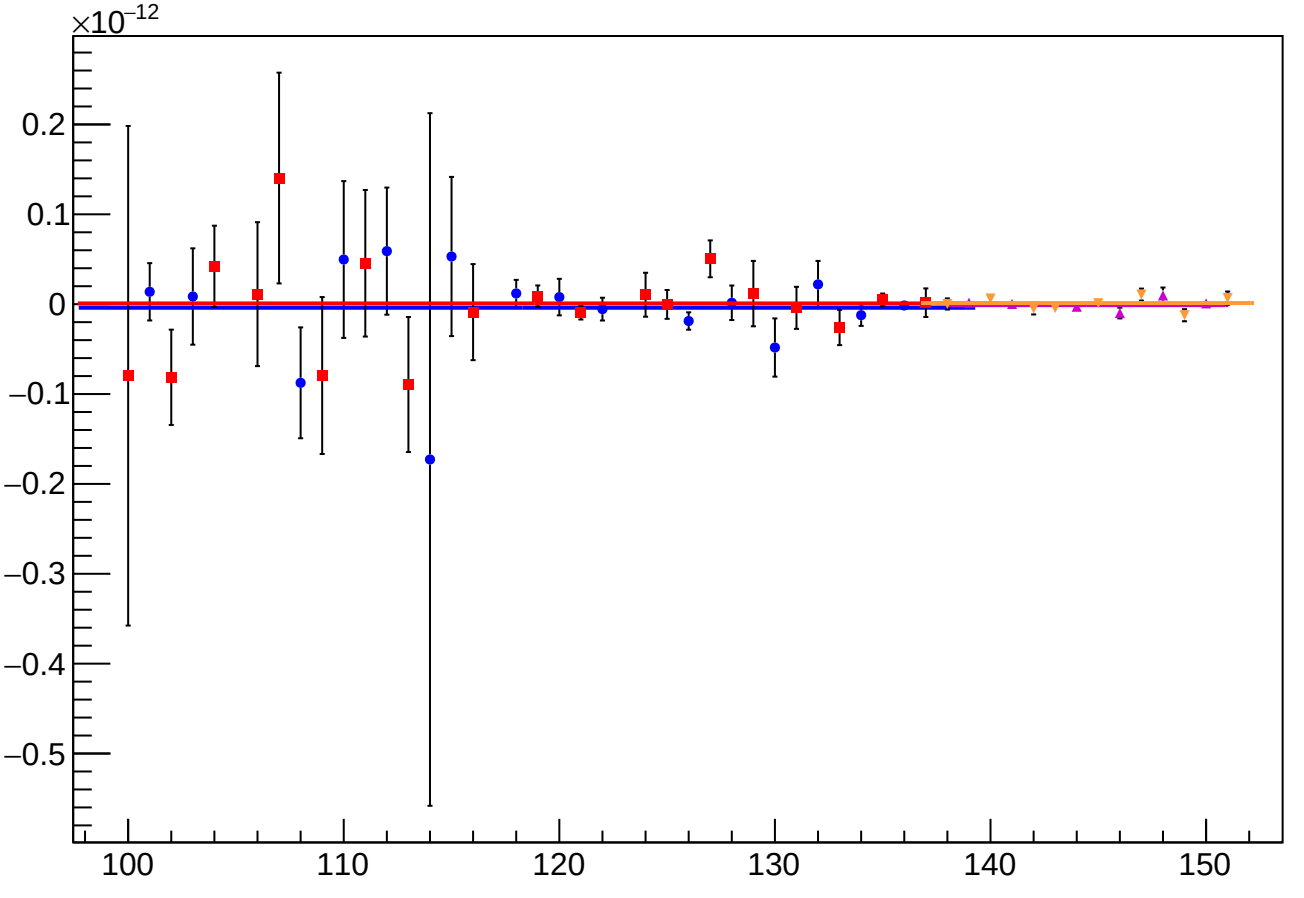
Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 124.034+/-0.039 χ^2/NDF:319359.9/5

+ sign 154.434+/-0.033 χ^2/NDF: 5286630.9/23

All: 152.748+/-0.024 χ^2/NDF: 11094249.0/48

- sign 150.968+/-0.034 χ^2/NDF: 5802373.4/24



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.7/7

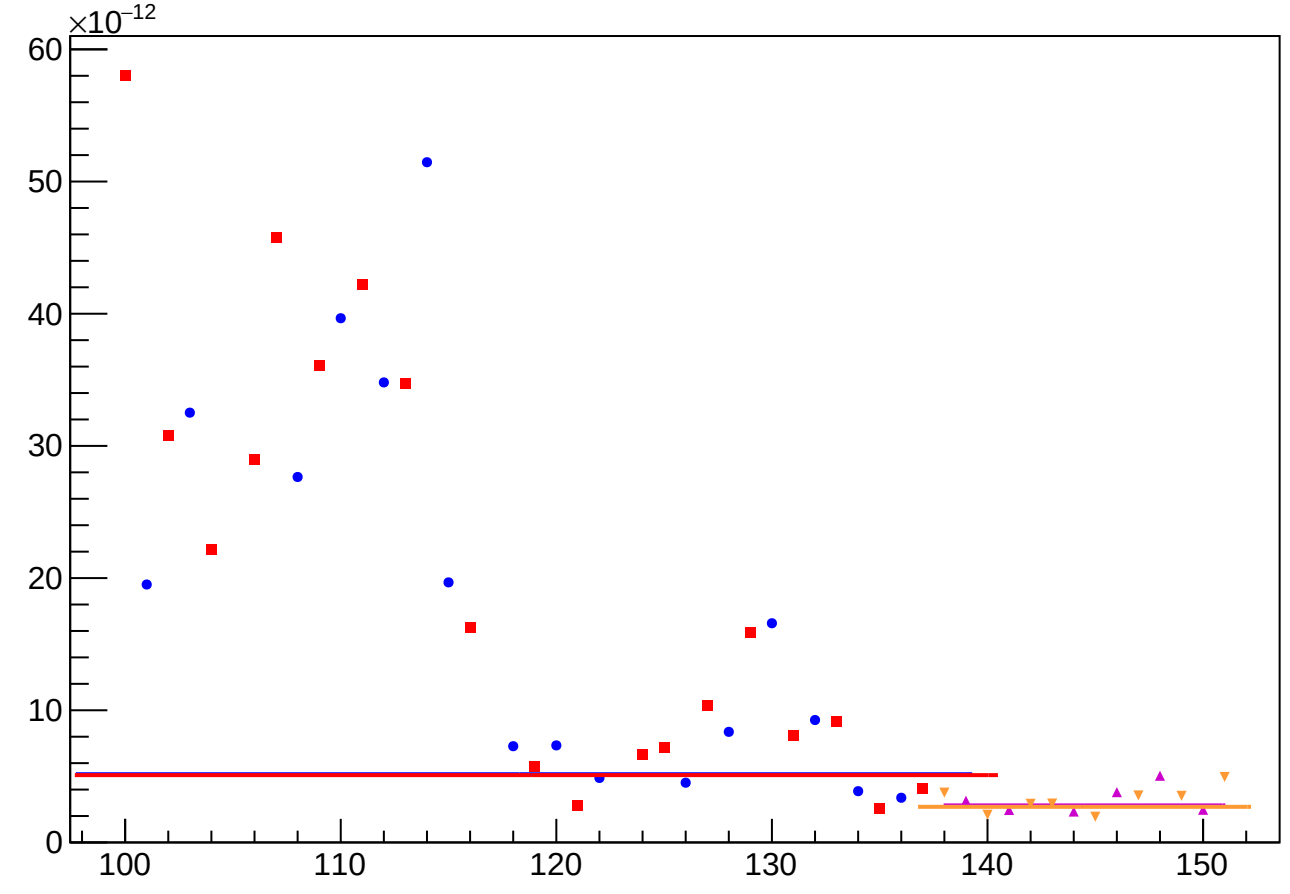
Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:4.6/5

+ sign 0.000+/-0.000 χ^2/NDF: 23.8/23

All: -0.000+/-0.000 χ^2/NDF: 46.8/48

- sign -0.000+/-0.000 χ^2/NDF: 22.8/24



Right In: 0.000+/-0.000 χ^2/NDF: 2618432.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:488724.1/7

Right Out: 0.000+/-0.000 χ^2/NDF: 3236196.8/18

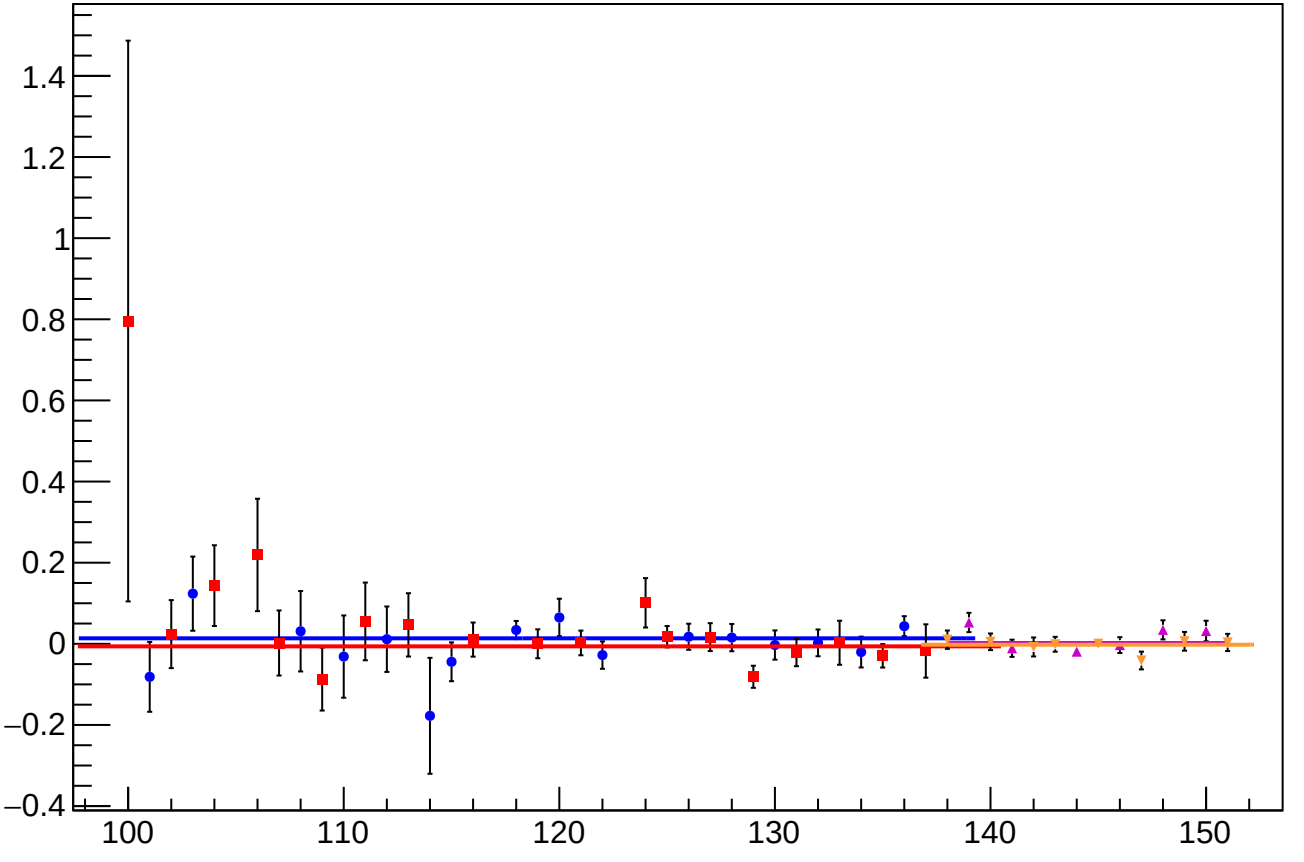
Left In: 0.000+/-0.000 χ^2/NDF:256005.8/5

+ sign 0.000+/-0.000 χ^2/NDF: 3845023.5/23

All: 0.000+/-0.000 χ^2/NDF: 7880558.0/48

- sign 0.000+/-0.000 χ^2/NDF: 4031387.6/24

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: -0.002+/-0.007 χ^2/NDF:3.9/7

Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

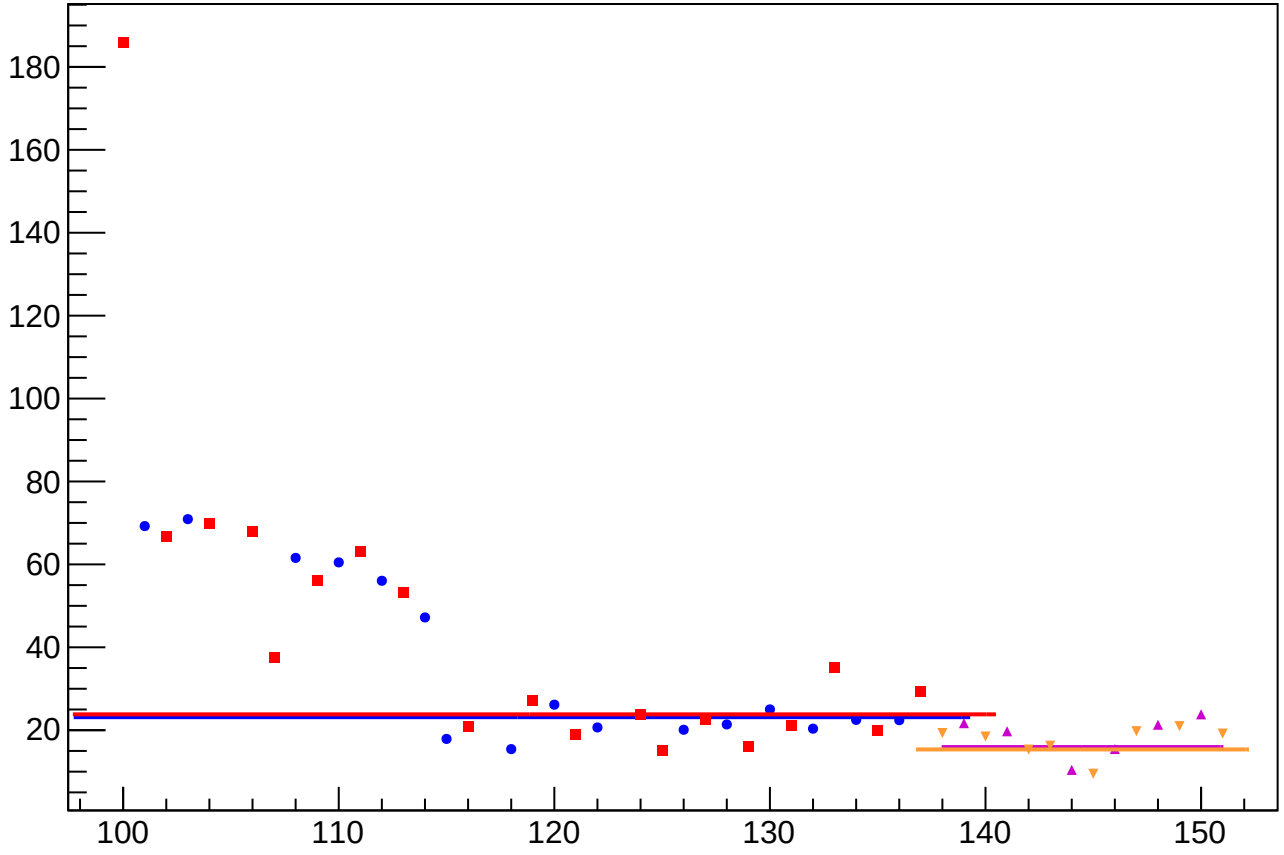
Left In: 0.002+/-0.008 χ^2/NDF:11.5/5

+ sign 0.003+/-0.005 χ^2/NDF: 18.0/23

All: 0.001+/-0.004 χ^2/NDF: 51.6/48

- sign -0.001+/-0.006 χ^2/NDF: 33.4/24

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: 15.361+/-0.005 χ^2/NDF:915142.1/7

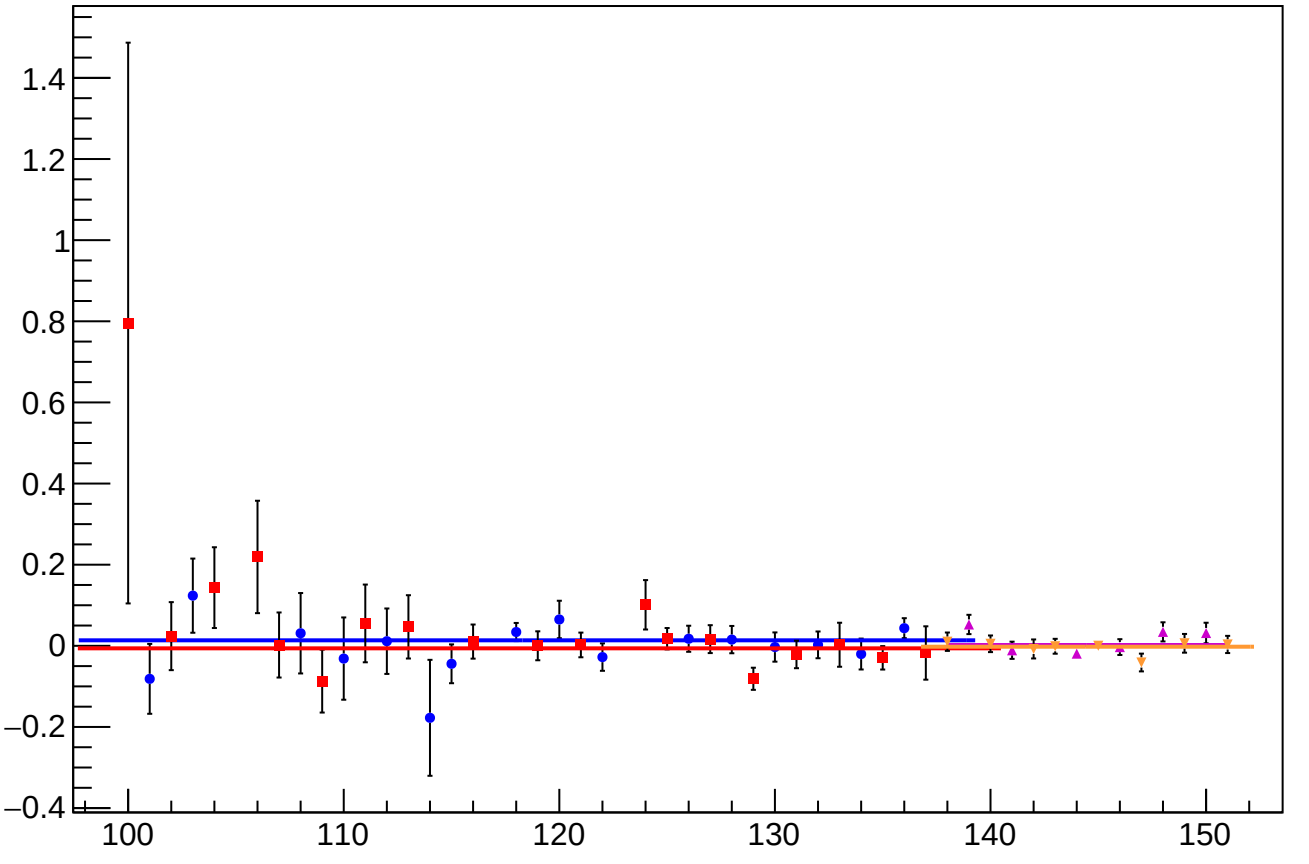
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 15.931+/-0.005 χ^2/NDF:918054.0/5

+ sign 17.761+/-0.004 χ^2/NDF: 4186151.0/23

All: 18.230+/-0.003 χ^2/NDF: 8817232.5/48

- sign 18.810+/-0.004 χ^2/NDF: 4598161.3/24



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.002+/-0.007 χ^2/NDF:3.9/7

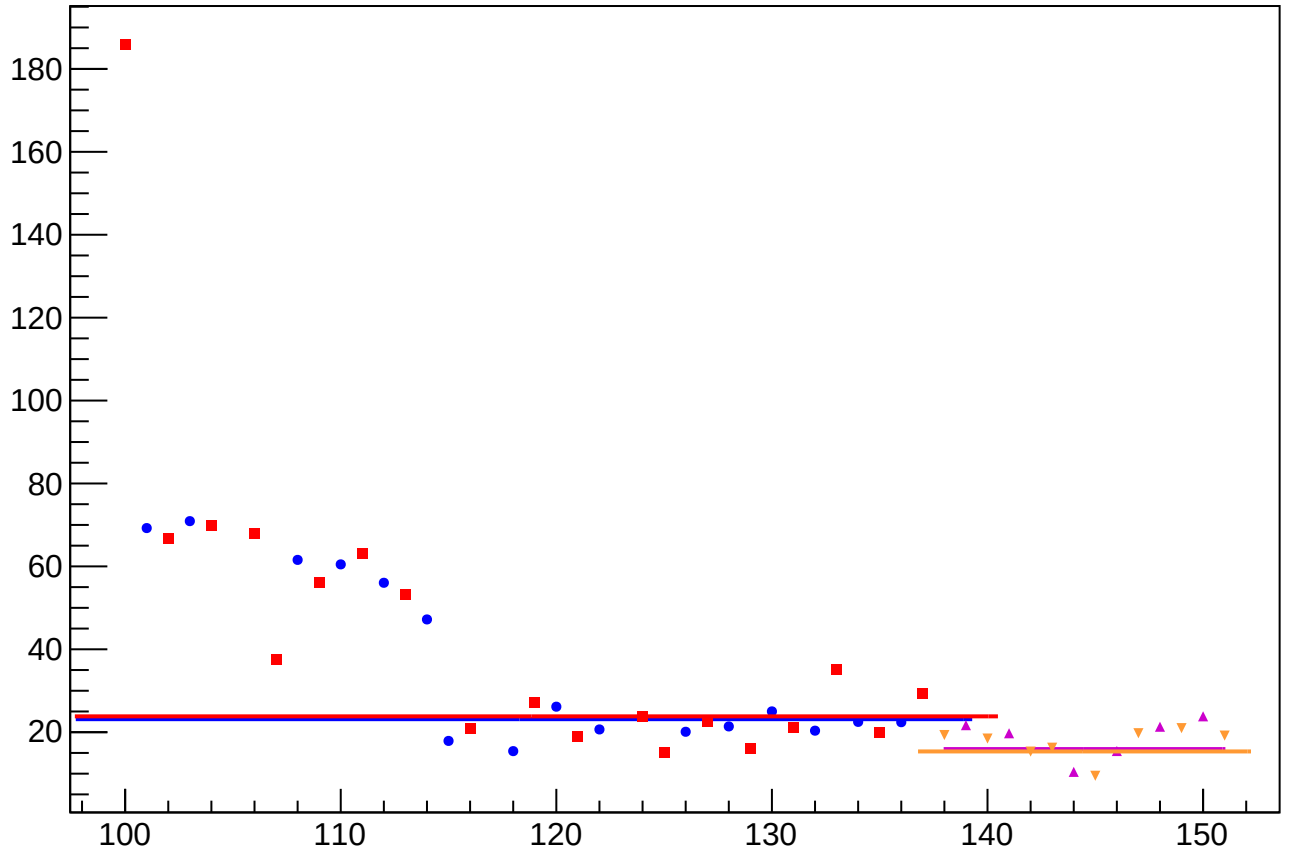
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.002+/-0.008 χ^2/NDF:11.5/5

+ sign 0.003+/-0.005 χ^2/NDF: 18.0/23

All: 0.001+/-0.004 χ^2/NDF: 51.6/48

- sign -0.001+/-0.006 χ^2/NDF: 33.4/24



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 15.361+/-0.005 χ^2/NDF:915142.1/7

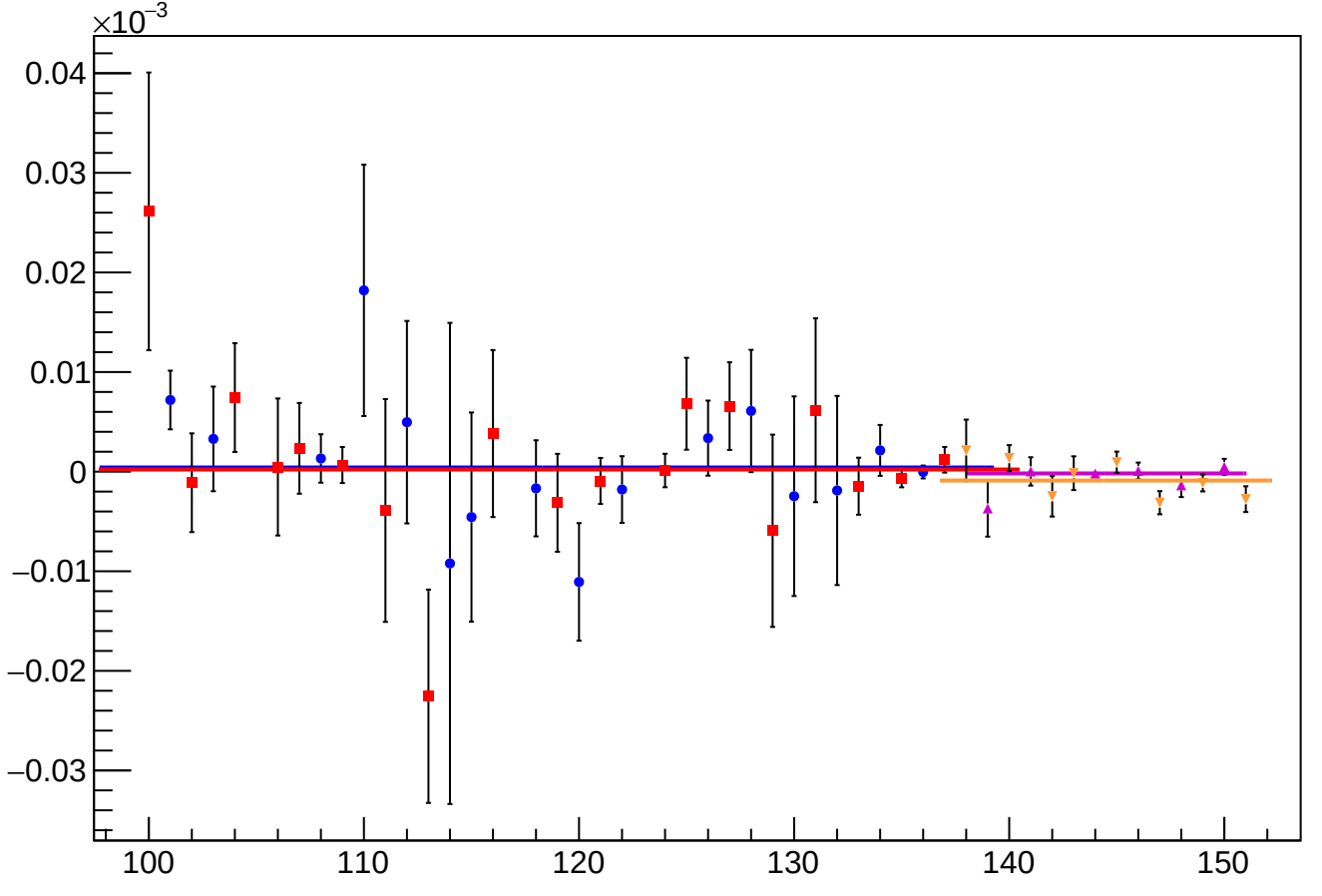
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 15.931+/-0.005 χ^2/NDF:918054.0/5

+ sign 17.761+/-0.004 χ^2/NDF: 4186151.0/23

All: 18.230+/-0.003 χ^2/NDF: 8817232.5/48

- sign 18.810+/-0.004 χ^2/NDF: 4598161.3/24



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.5/7

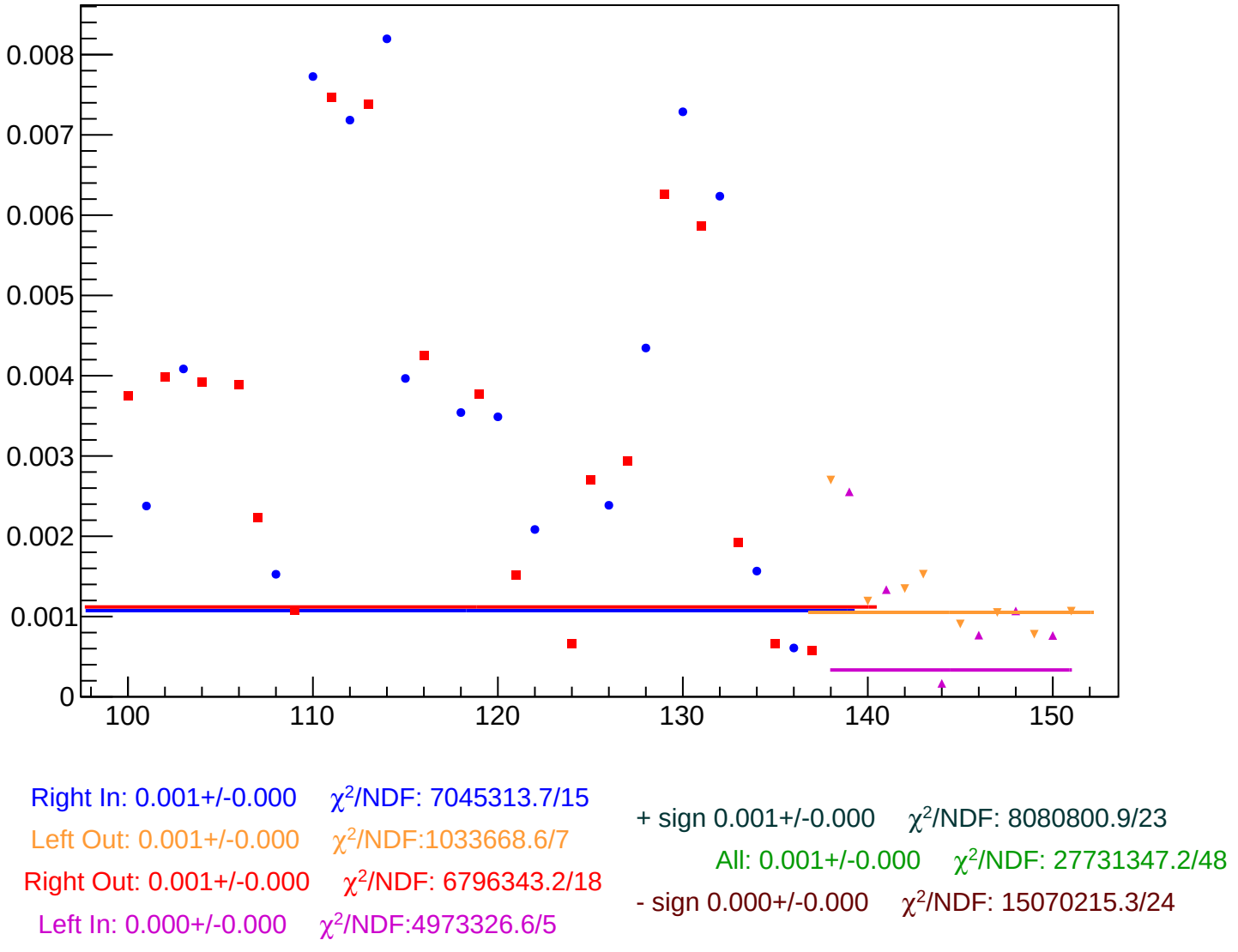
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

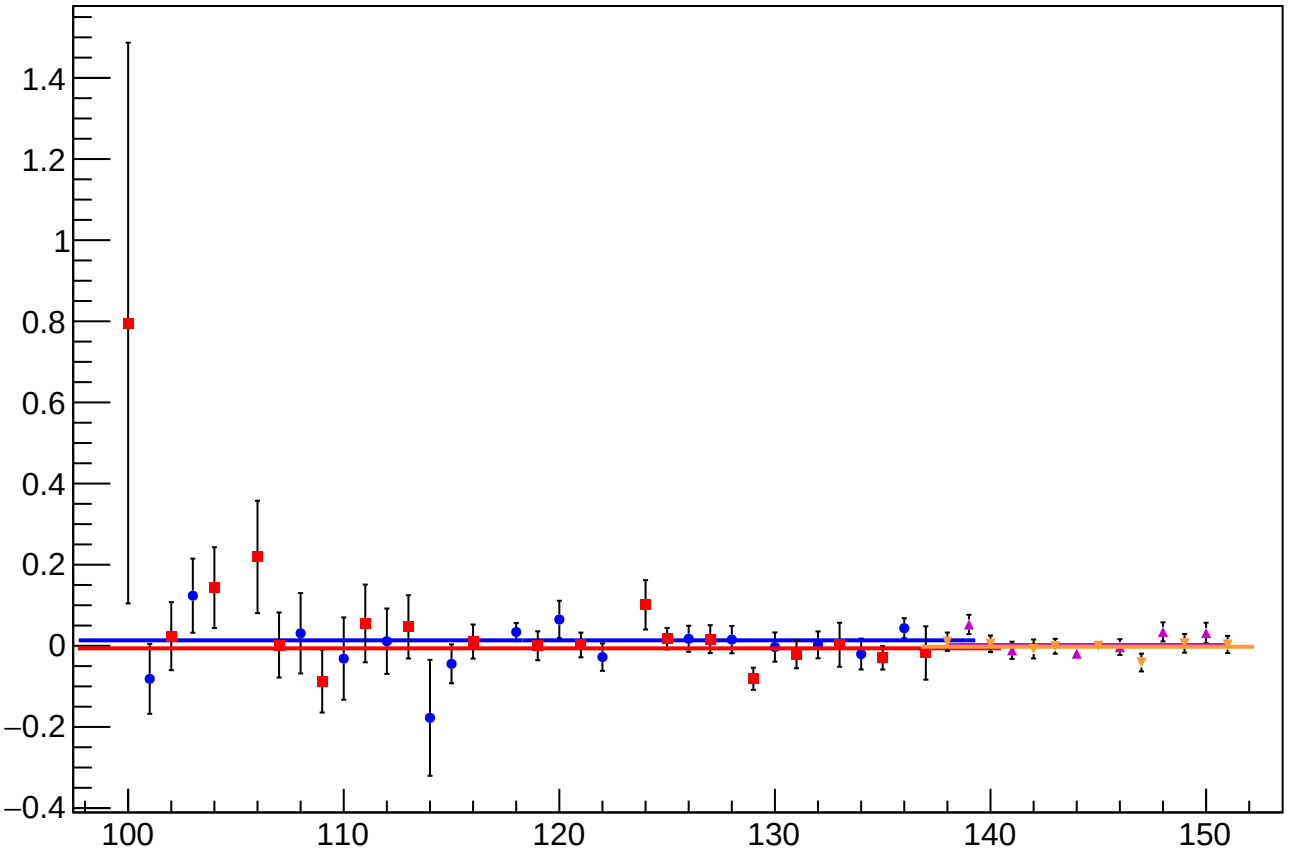
Left In: -0.000+/-0.000 χ^2/NDF:3.4/5

+ sign -0.000+/-0.000 χ^2/NDF: 32.0/23

All: -0.000+/-0.000 χ^2/NDF: 54.0/48

- sign -0.000+/-0.000 χ^2/NDF: 21.7/24


asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
100
110
120
130
140
150
Right In: 0.001+/-0.000 χ²/NDF: 7045313.7/15
Left Out: 0.001+/-0.000 χ²/NDF:1033668.6/7
Right Out: 0.001+/-0.000 χ²/NDF: 6796343.2/18
Left In: 0.000+/-0.000 χ²/NDF:4973326.6/5
+ sign 0.001+/-0.000 χ²/NDF: 8080800.9/23
All: 0.001+/-0.000 χ²/NDF: 27731347.2/48
- sign 0.000+/-0.000 χ²/NDF: 15070215.3/24



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.002+/-0.007 χ^2/NDF:3.9/7

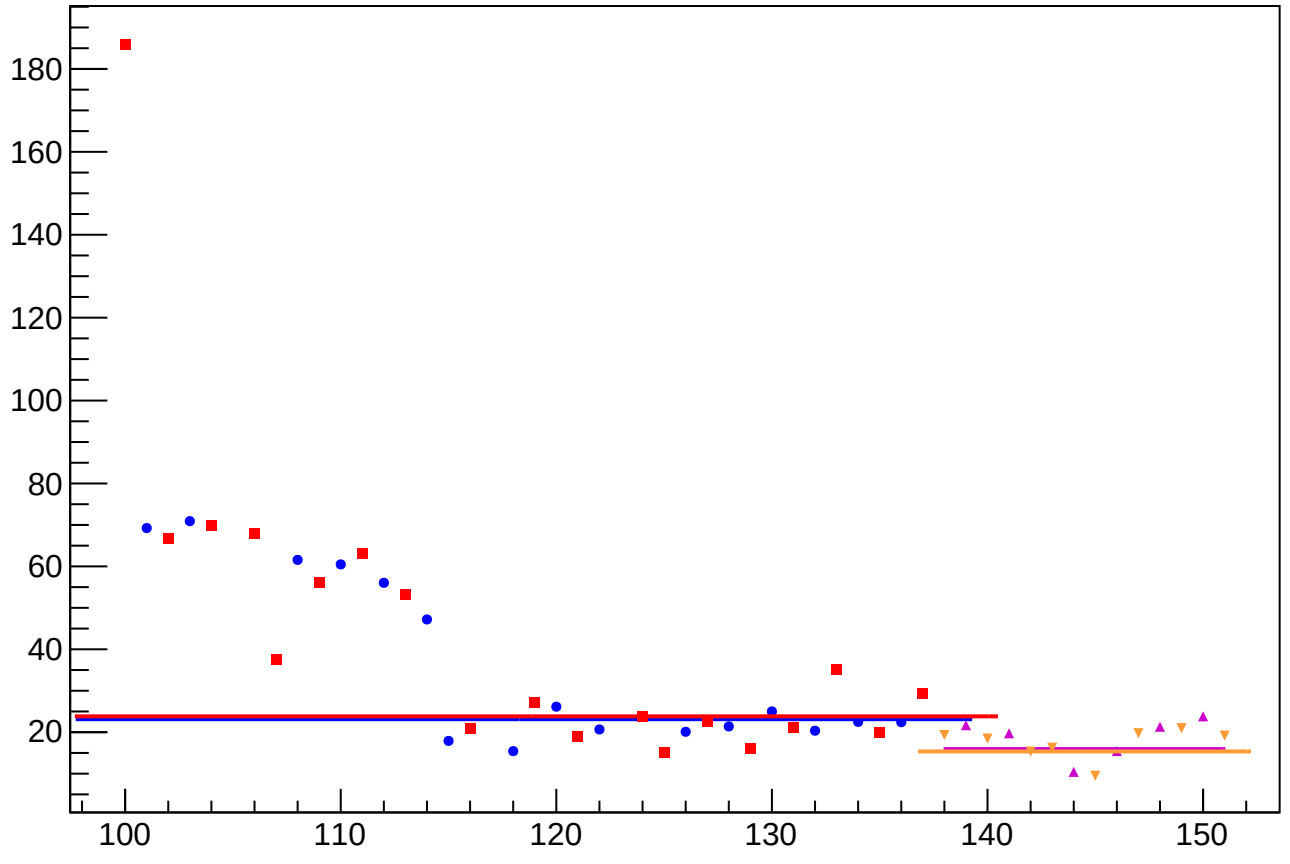
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.002+/-0.008 χ^2/NDF:11.5/5

+ sign 0.003+/-0.005 χ^2/NDF: 18.0/23

All: 0.001+/-0.004 χ^2/NDF: 51.6/48

- sign -0.001+/-0.006 χ^2/NDF: 33.4/24



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 15.361+/-0.005 χ^2/NDF:915221.9/7

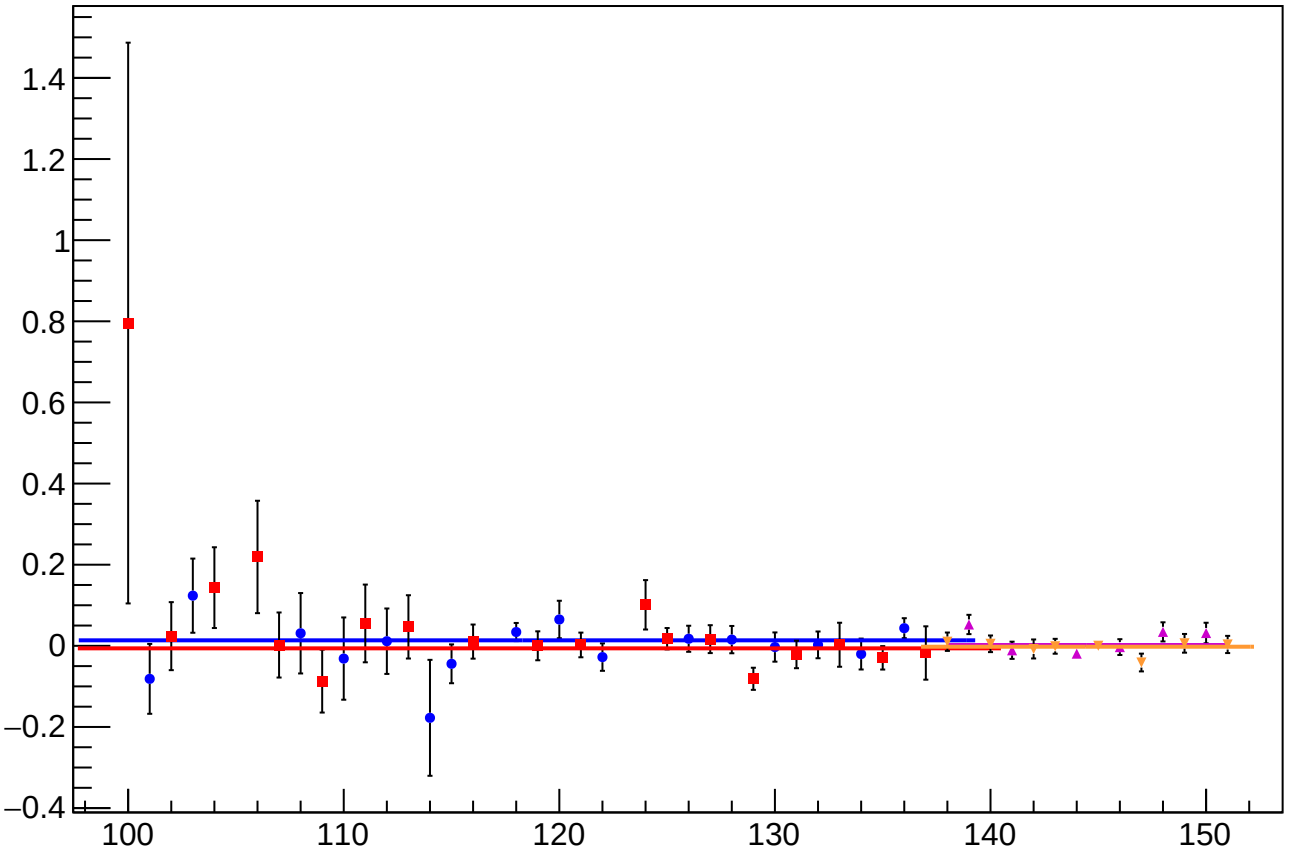
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 15.931+/-0.005 χ^2/NDF:918017.0/5

+ sign 17.761+/-0.004 χ^2/NDF: 4186012.2/23

All: 18.230+/-0.003 χ^2/NDF: 8816891.7/48

- sign 18.810+/-0.004 χ^2/NDF: 4597949.7/24



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.002+/-0.007 χ^2/NDF:3.9/7

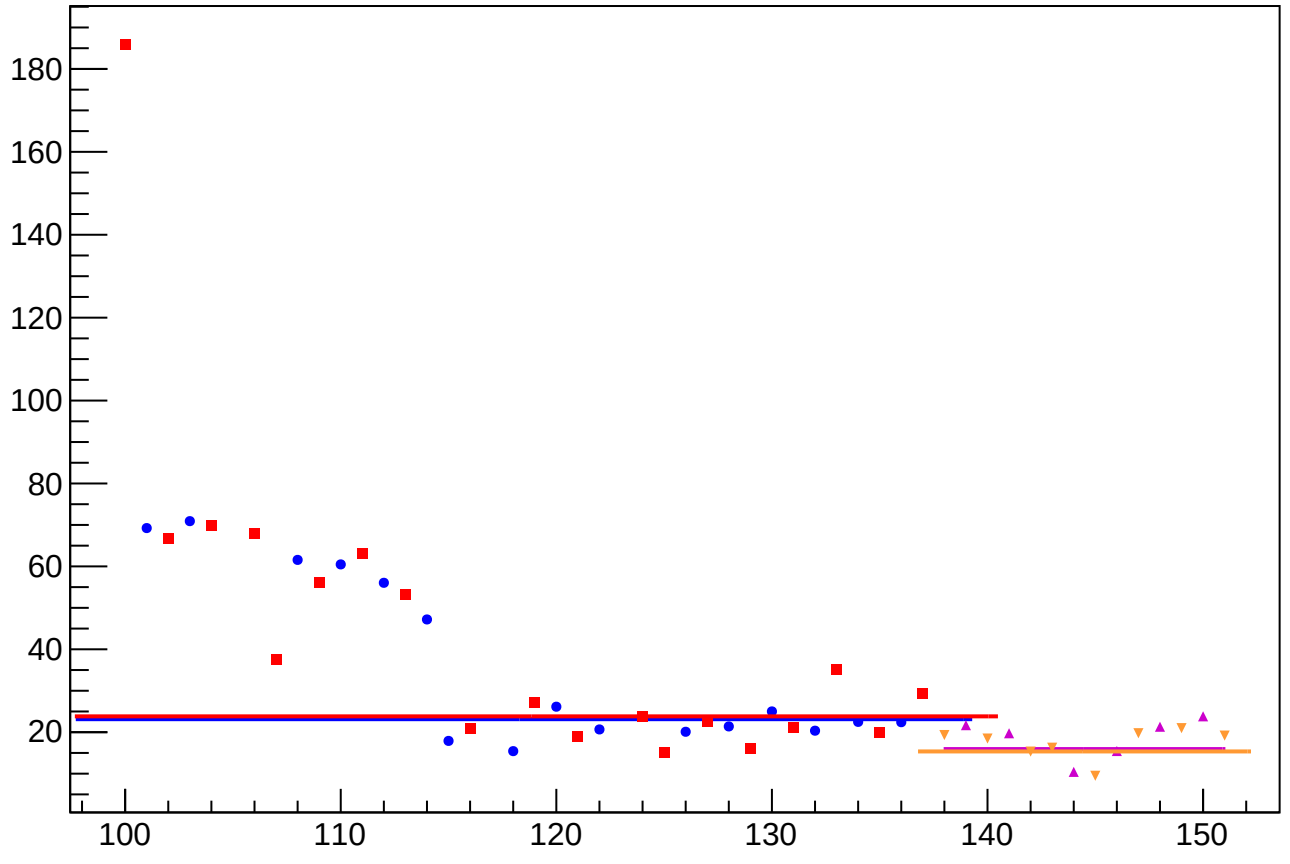
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.002+/-0.008 χ^2/NDF:11.5/5

+ sign 0.003+/-0.005 χ^2/NDF: 18.0/23

All: 0.001+/-0.004 χ^2/NDF: 51.6/48

- sign -0.001+/-0.006 χ^2/NDF: 33.4/24



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 15.361+/-0.005 χ^2/NDF:915221.9/7

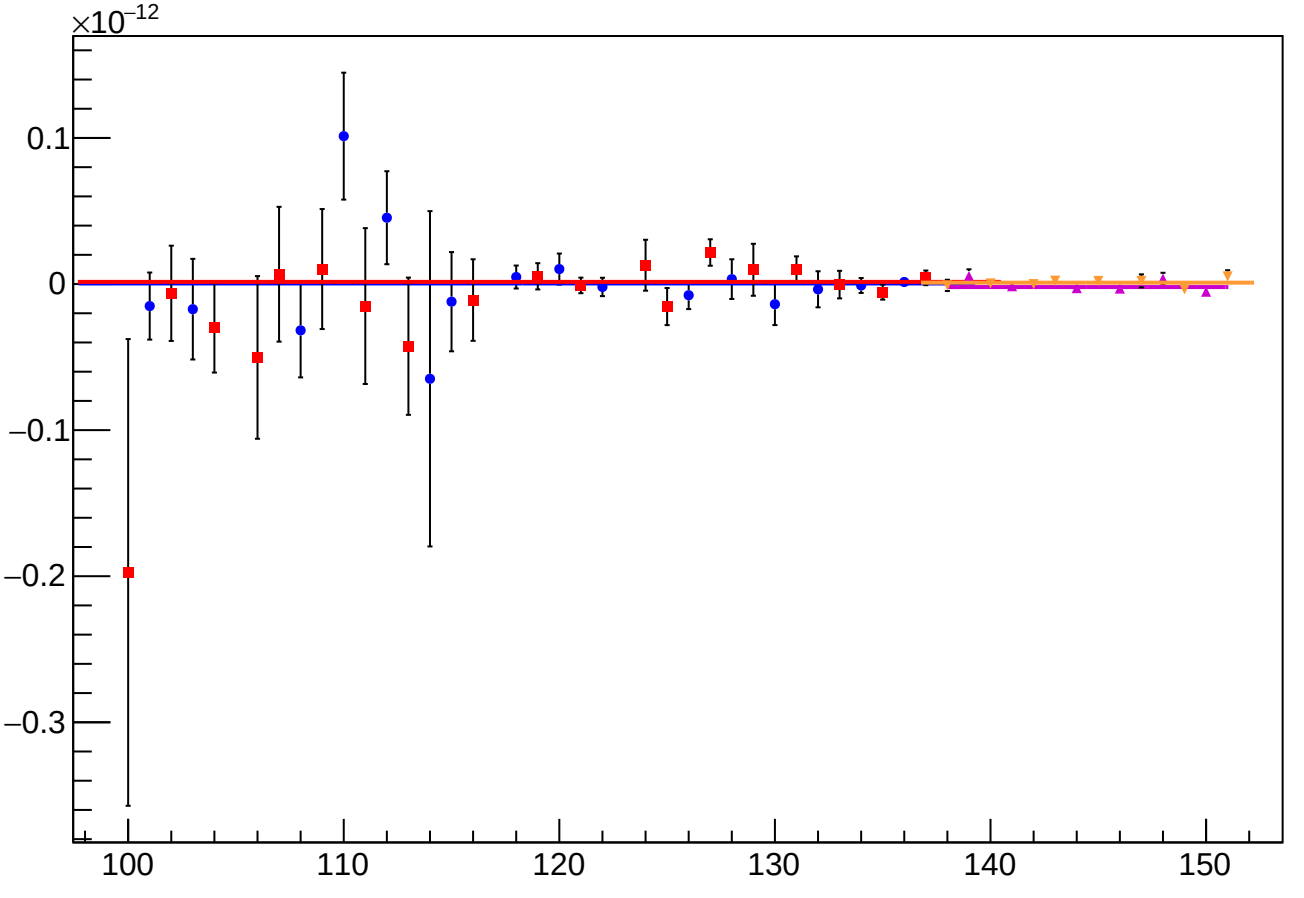
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 15.931+/-0.005 χ^2/NDF:918017.0/5

+ sign 17.761+/-0.004 χ^2/NDF: 4186012.2/23

All: 18.230+/-0.003 χ^2/NDF: 8816891.7/48

- sign 18.810+/-0.004 χ^2/NDF: 4597949.7/24



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.9/7

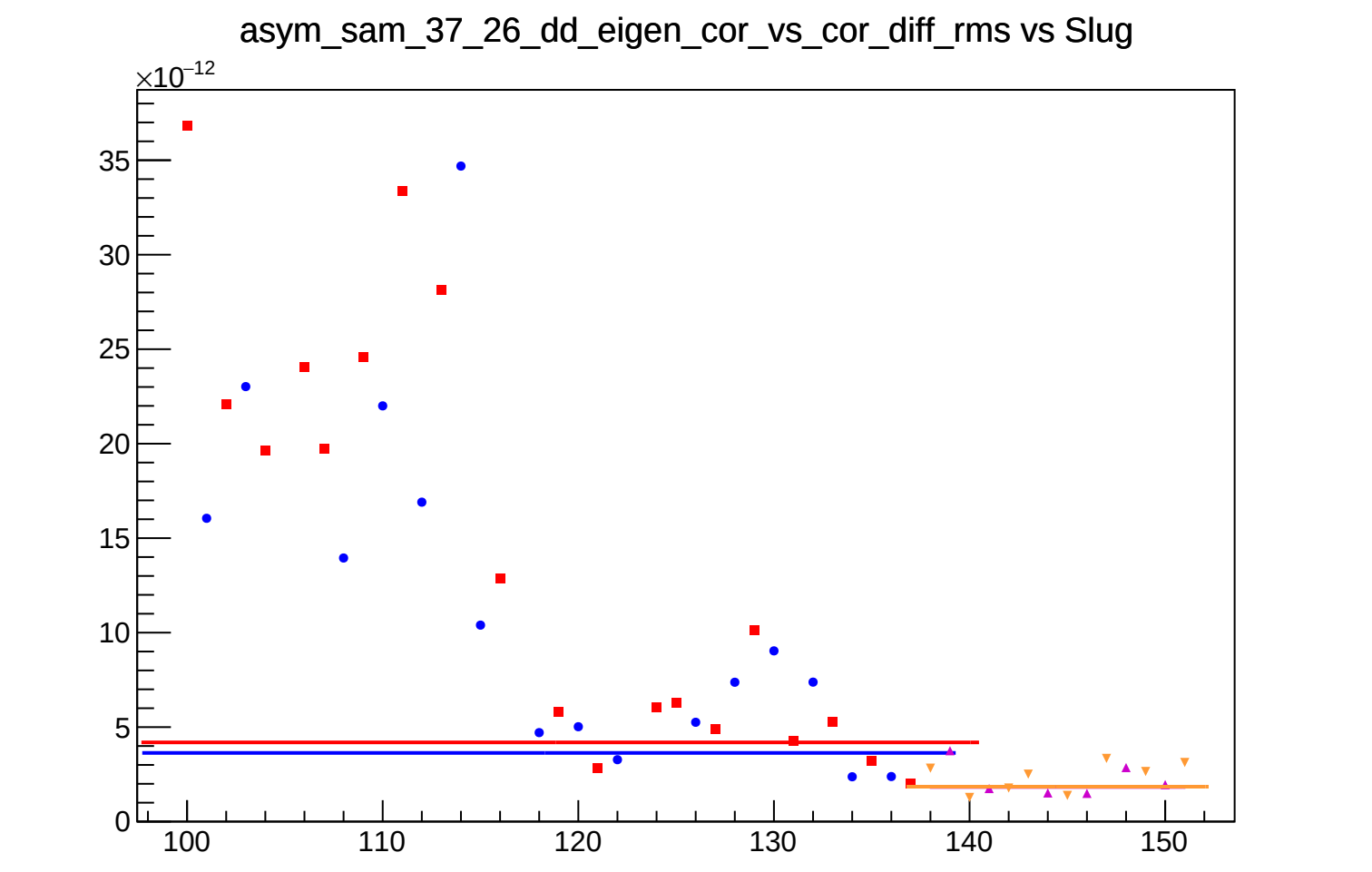
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:6.8/5

+ sign 0.000+/-0.000 χ^2/NDF: 16.8/23

All: -0.000+/-0.000 χ^2/NDF: 44.4/48

- sign -0.000+/-0.000 χ^2/NDF: 24.3/24



Right In: 0.000+/-0.000 χ^2/NDF: 3590314.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1086631.2/7

Right Out: 0.000+/-0.000 χ^2/NDF: 4454808.3/18

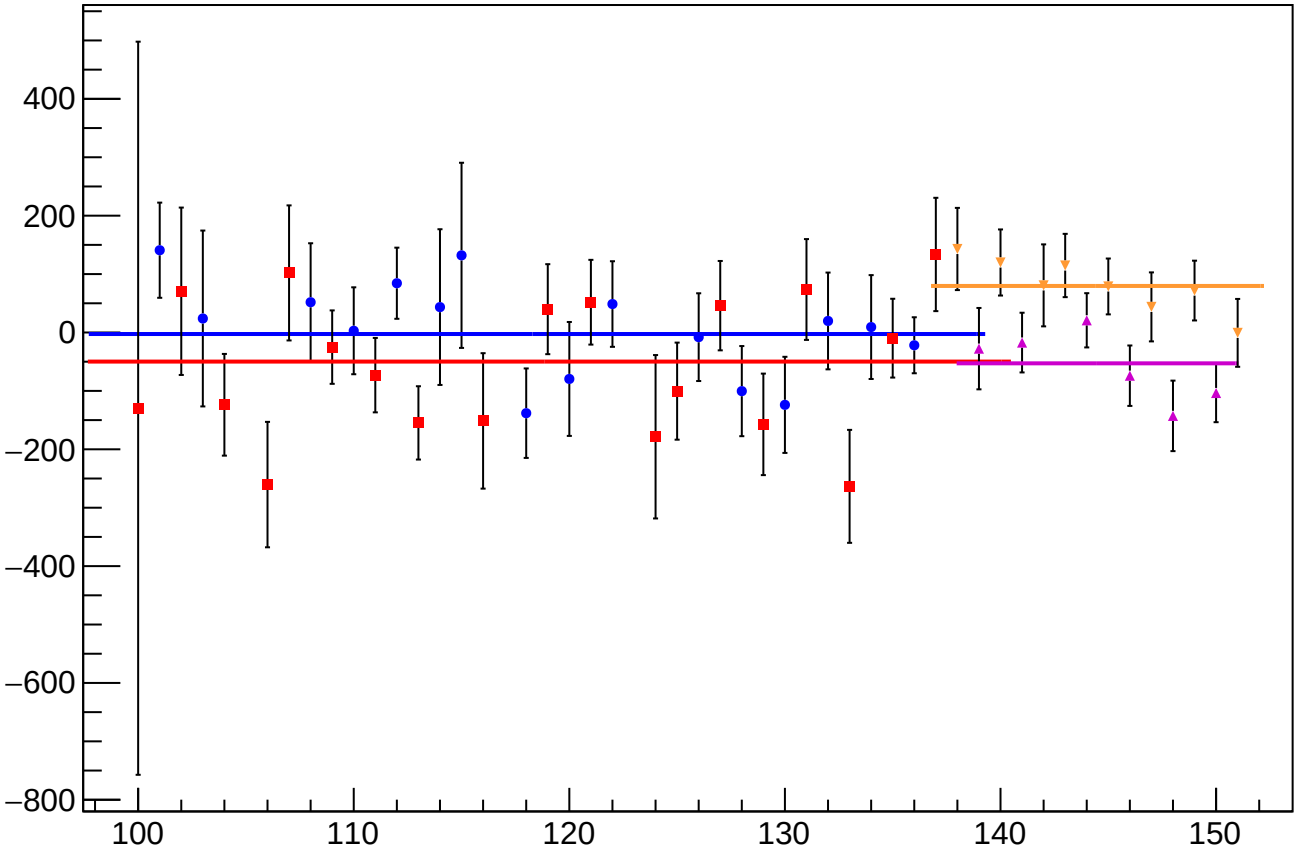
Left In: 0.000+/-0.000 χ^2/NDF:599712.0/5

+ sign 0.000+/-0.000 χ^2/NDF: 5920381.5/23

All: 0.000+/-0.000 χ^2/NDF: 12656557.0/48

- sign 0.000+/-0.000 χ^2/NDF: 6733118.2/24

reg_asym_sam_1357_avg_mean vs Slug



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 79.677+/-20.162 χ^2/NDF:4.0/7

Right Out: -49.810+/-19.621 χ^2/NDF: 29.4/18

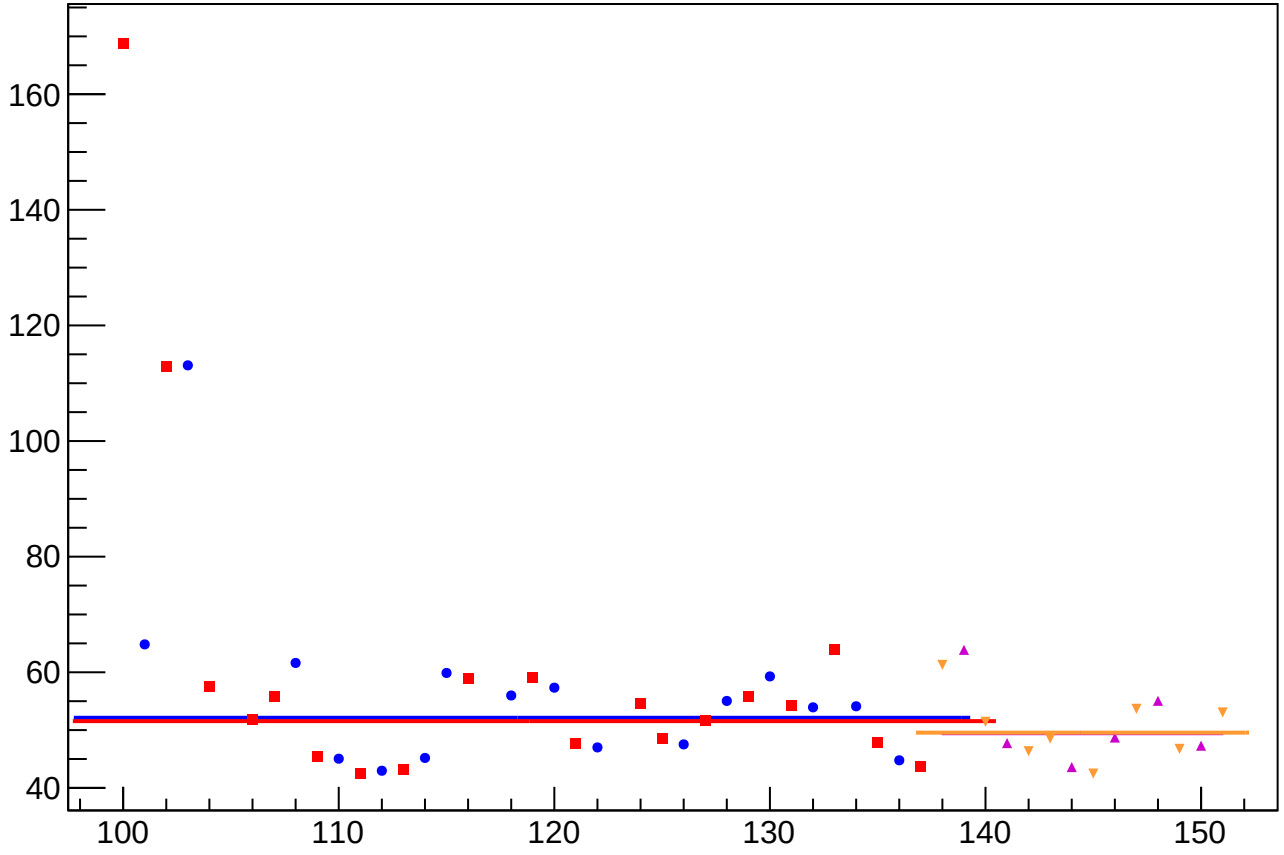
Left In: -52.807+/-21.816 χ^2/NDF:6.6/5

+ sign 38.188+/-14.197 χ^2/NDF: 27.0/23

All: -5.266+/-10.175 χ^2/NDF: 82.2/48

- sign -51.150+/-14.589 χ^2/NDF: 35.9/24

reg_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 49.557+/-0.014 χ^2/NDF:129417.0/7

Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

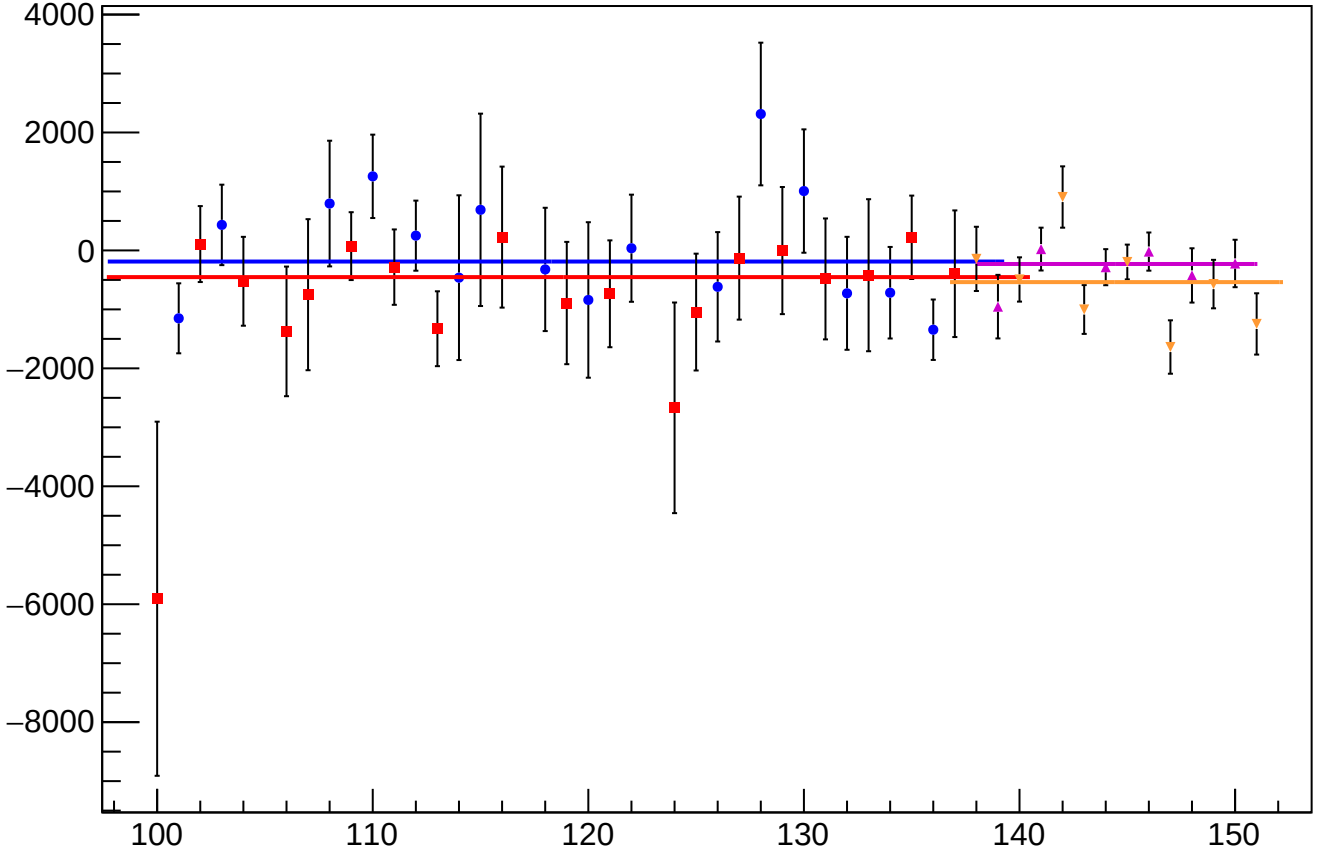
Left In: 49.461+/-0.015 χ^2/NDF:141164.2/5

+ sign 50.853+/-0.010 χ^2/NDF: 708736.6/23

All: 50.738+/-0.007 χ^2/NDF: 1499874.9/48

- sign 50.616+/-0.010 χ^2/NDF: 790865.5/24

asym_sam_1357_avg_reg_correction_mean vs Slug



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -537.391+/-147.435 χ^2/NDF:18.6/7

Right Out: -452.540+/-203.918 χ^2/NDF: 11.3/18

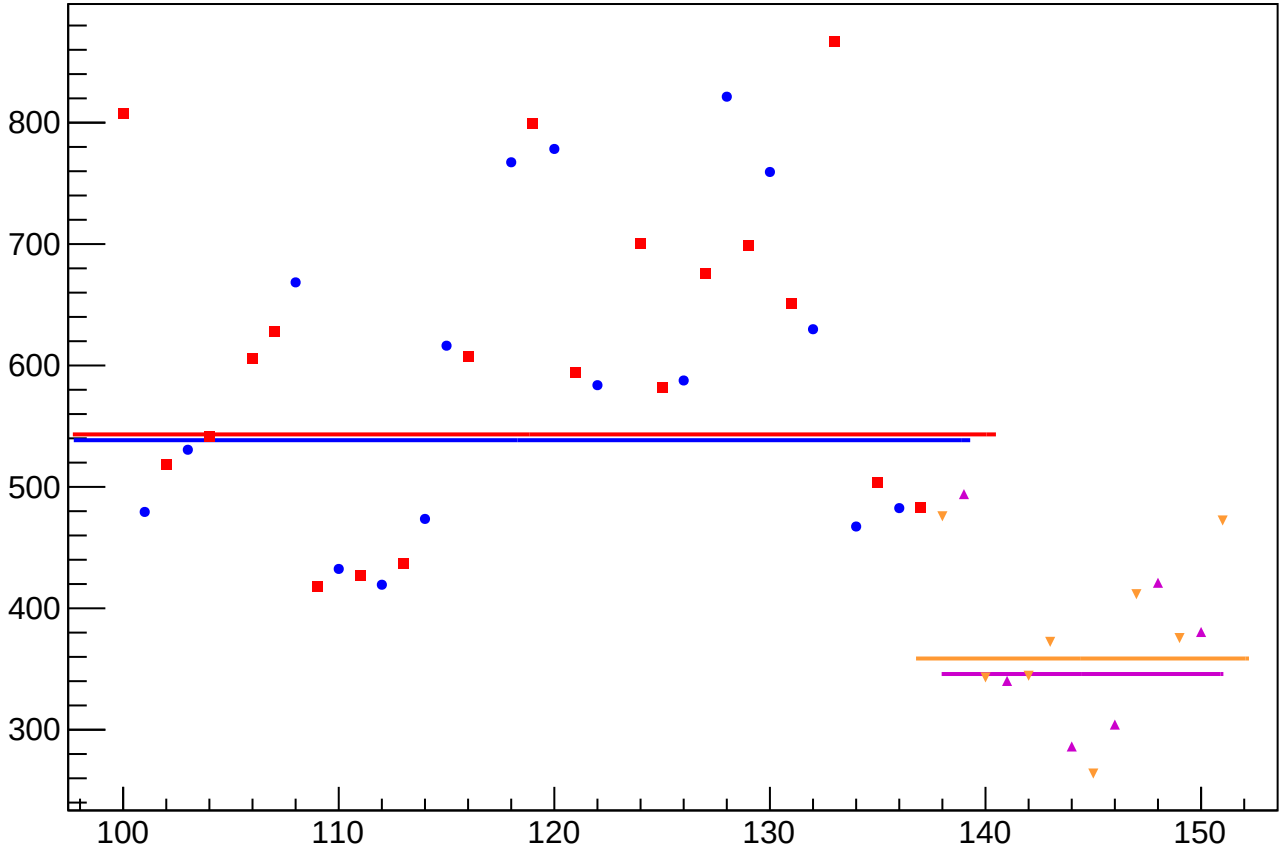
Left In: -230.176+/-153.999 χ^2/NDF:2.9/5

+ sign -419.090+/-119.855 χ^2/NDF: 41.9/23

All: -366.367+/-85.804 χ^2/NDF: 57.2/48

- sign -310.937+/-122.892 χ^2/NDF: 15.0/24

asym_sam_1357_avg_reg_correction_rms vs Slug



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 358.666+/-0.104 χ^2/NDF:432516.1/7

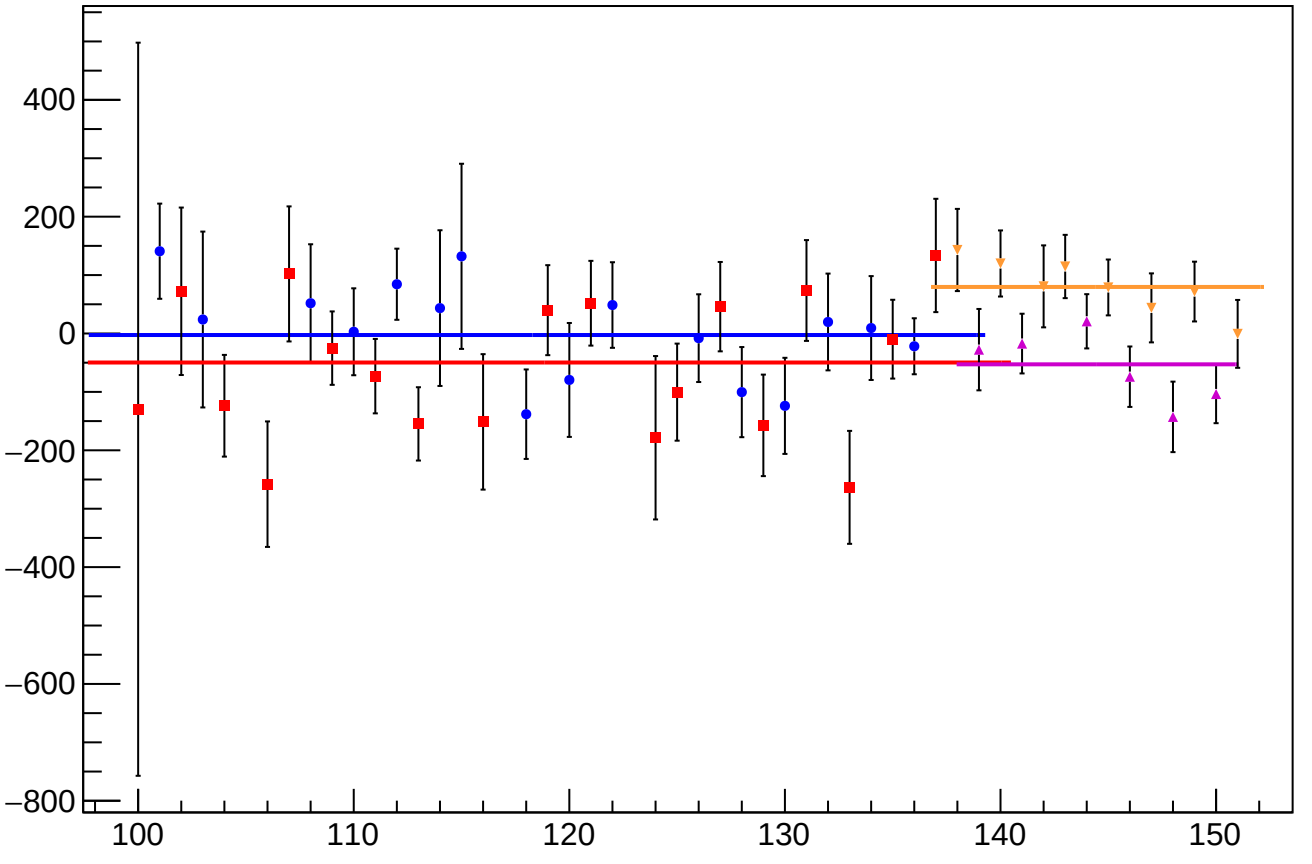
Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

Left In: 345.896+/-0.109 χ^2/NDF:329011.7/5

+ sign 419.644+/-0.085 χ^2/NDF: 2055277.9/23

All: 418.633+/-0.061 χ^2/NDF: 4214535.2/48

- sign 417.571+/-0.087 χ^2/NDF: 2158965.6/24



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 79.681+/-20.162 χ^2/NDF:4.0/7

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

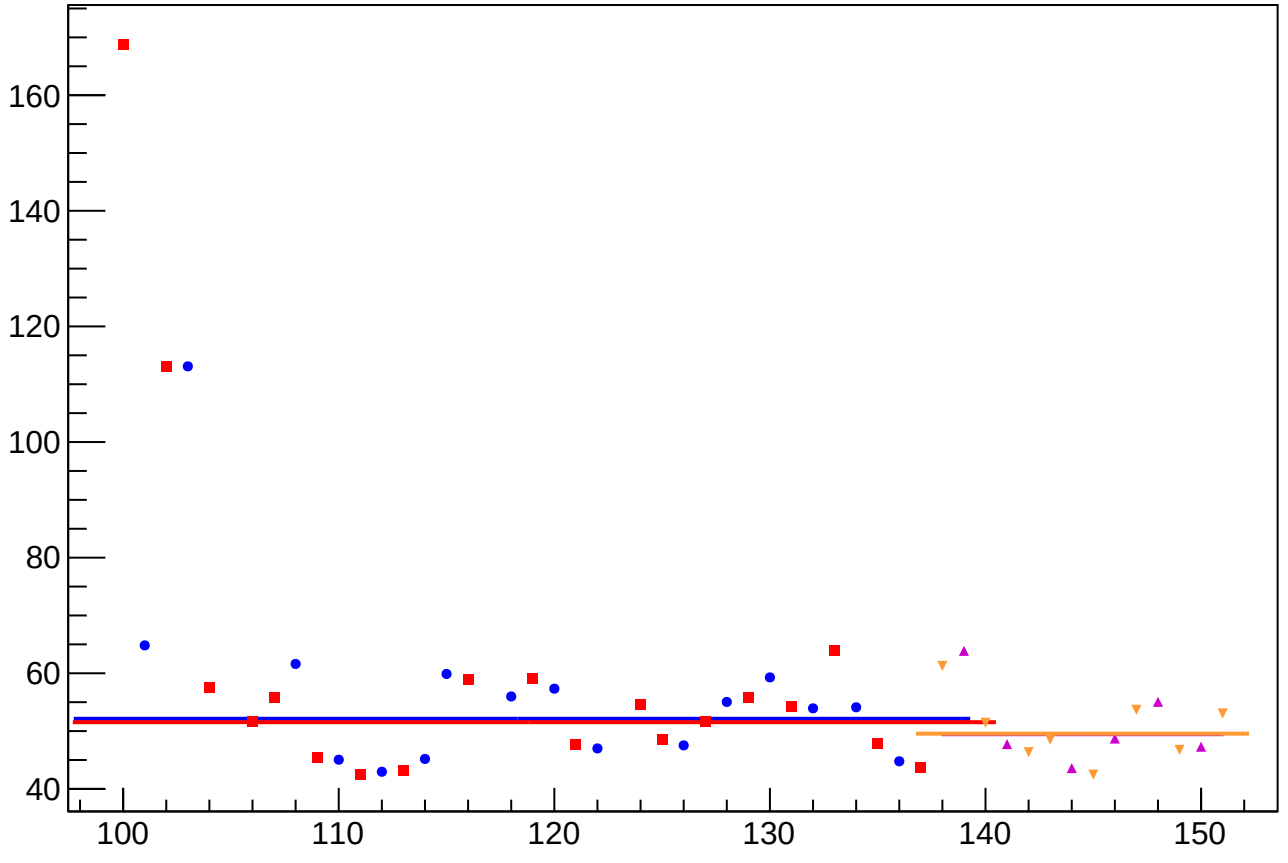
Left In: -52.807+/-21.816 χ^2/NDF:6.6/5

+ sign 38.188+/-14.197 χ^2/NDF: 27.0/23

All: -5.234+/-10.175 χ^2/NDF: 82.1/48

- sign -51.086+/-14.589 χ^2/NDF: 35.8/24

cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.557+/-0.014 χ^2/NDF:129417.0/7

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

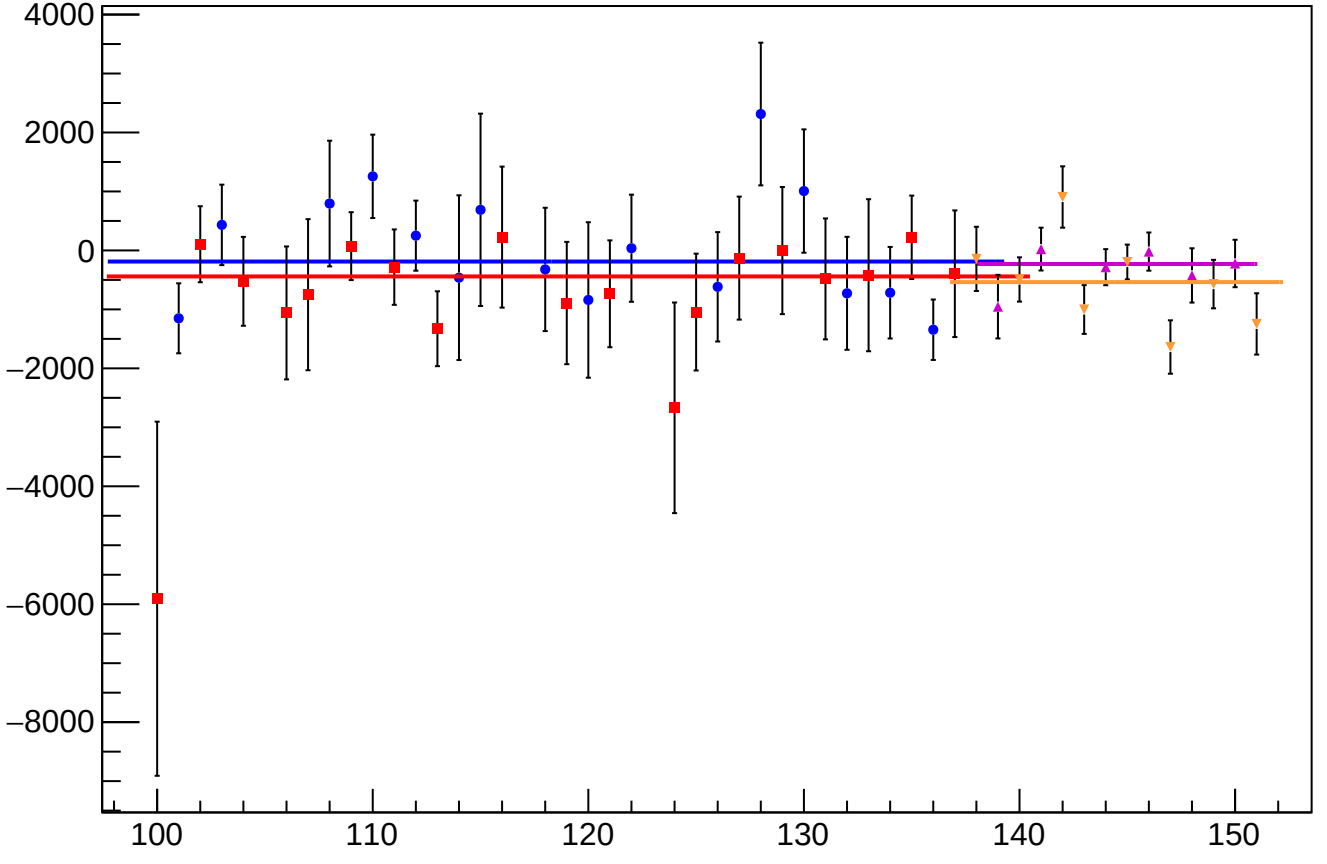
Left In: 49.461+/-0.015 χ^2/NDF:141164.2/5

+ sign 50.853+/-0.010 χ^2/NDF: 708738.9/23

All: 50.735+/-0.007 χ^2/NDF: 1500010.2/48

- sign 50.610+/-0.010 χ^2/NDF: 790985.3/24

asym_sam_1357_avg_cor_correction_mean vs Slug



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -537.386+/-147.435 χ^2/NDF:18.6/7

Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

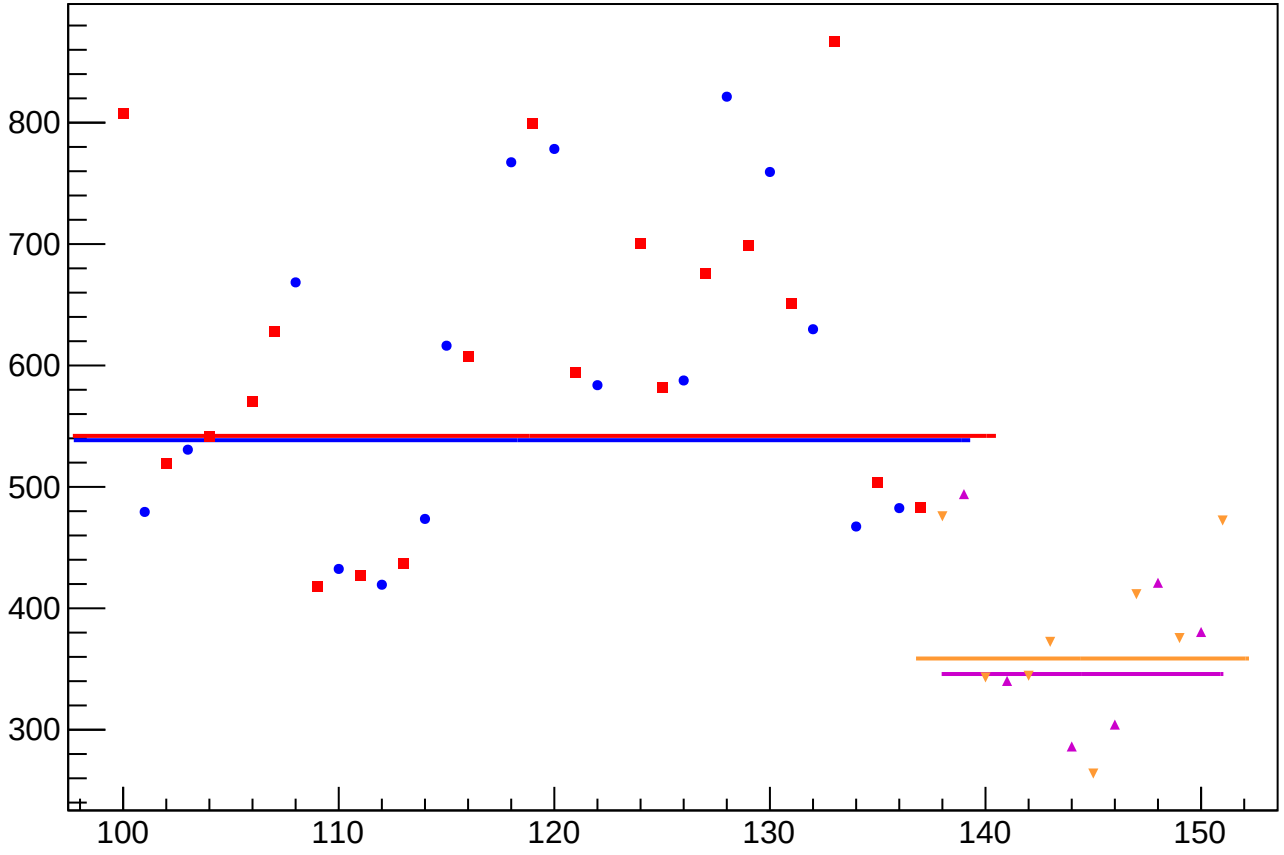
Left In: -230.180+/-153.999 χ^2/NDF:2.9/5

\+ sign -419.081+/-119.855 χ^2/NDF: 41.9/23

All: -364.324+/-85.818 χ^2/NDF: 56.8/48

\- sign -306.718+/-122.934 χ^2/NDF: 14.5/24

asym_sam_1357_avg_cor_correction_rms vs Slug



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 358.666+/-0.104 χ^2/NDF:432518.9/7

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

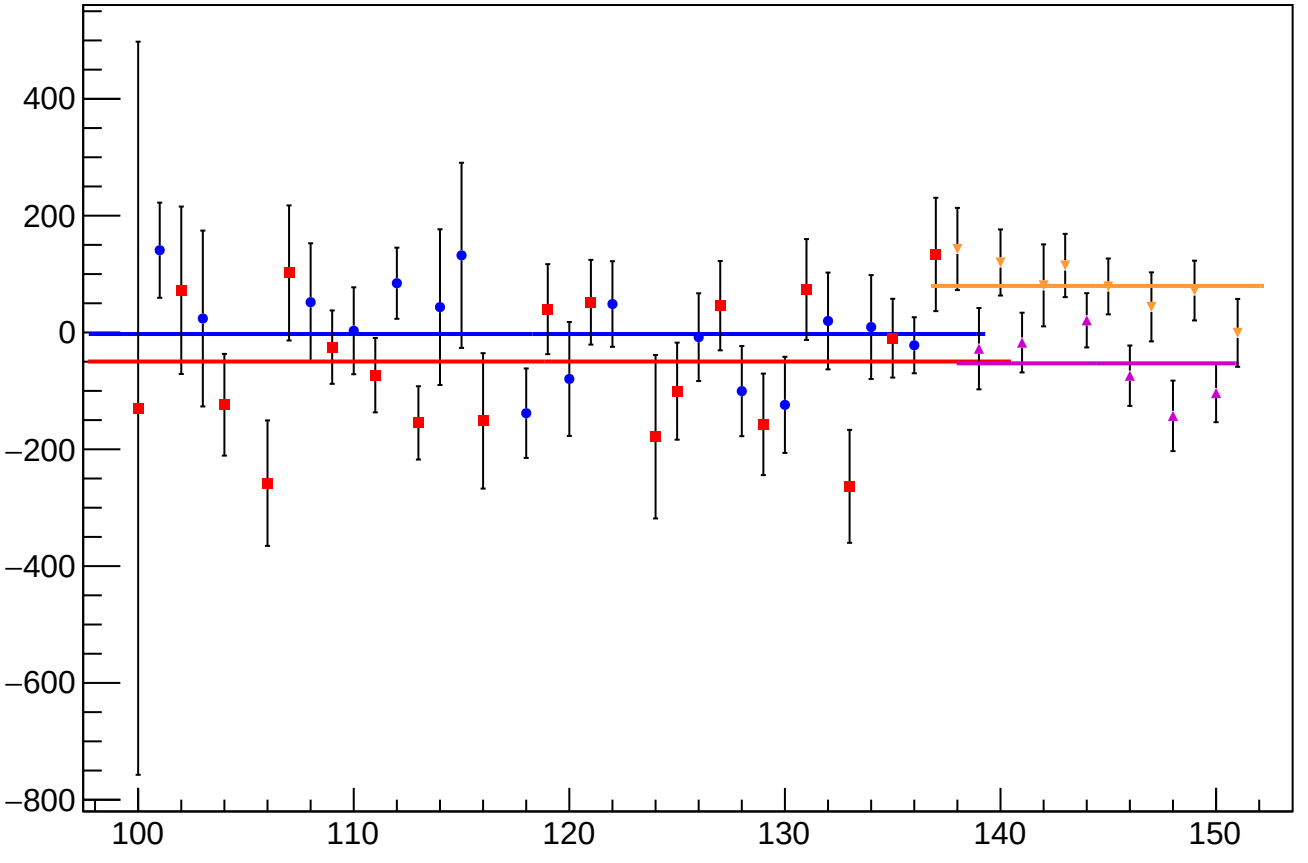
Left In: 345.896+/-0.109 χ^2/NDF:329011.0/5

+ sign 419.644+/-0.085 χ^2/NDF: 2055325.4/23

All: 418.377+/-0.061 χ^2/NDF: 4193114.7/48

- sign 417.043+/-0.087 χ^2/NDF: 2137330.2/24

eigen_cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 79.681+/-20.162 χ^2/NDF:4.0/7

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

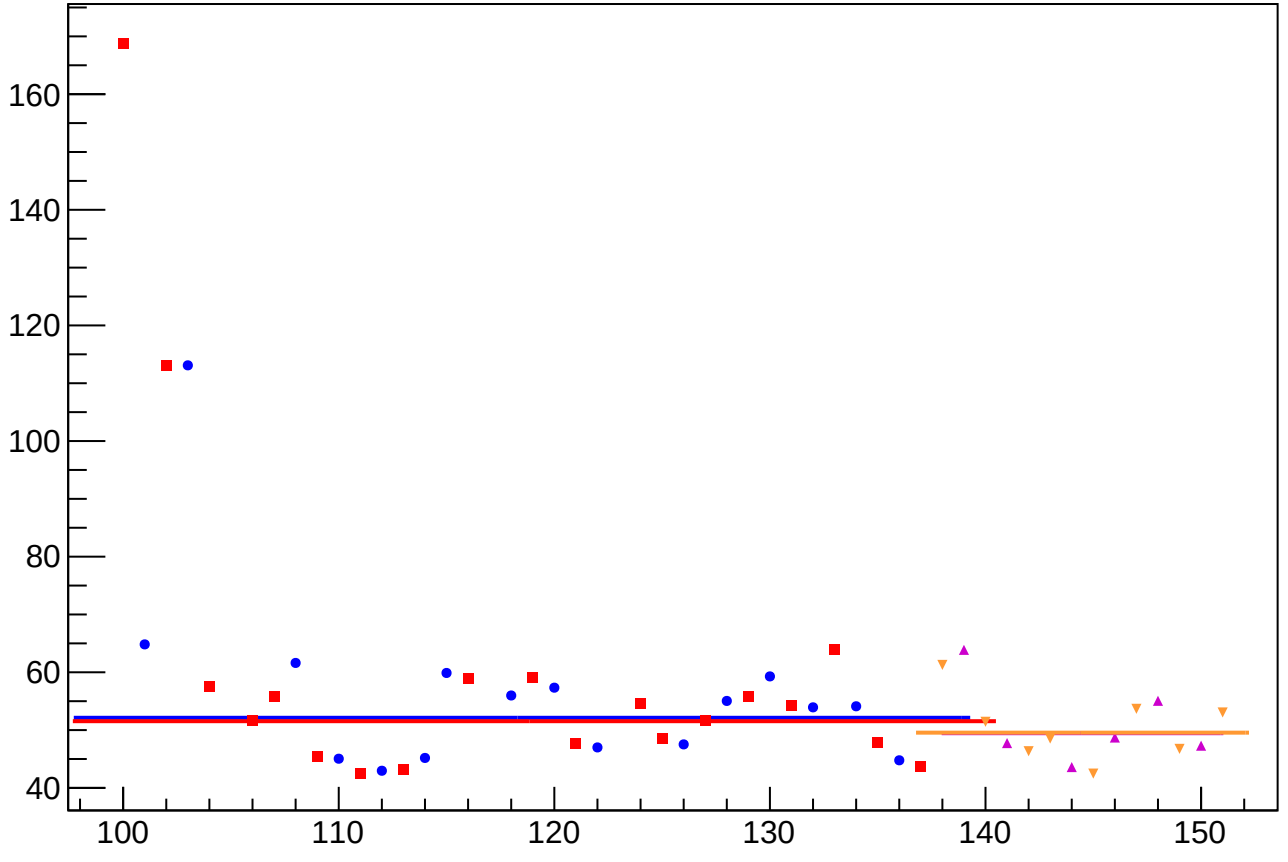
Left In: -52.807+/-21.816 χ^2/NDF:6.6/5

+ sign 38.188+/-14.197 χ^2/NDF: 27.0/23

All: -5.234+/-10.175 χ^2/NDF: 82.1/48

- sign -51.086+/-14.589 χ^2/NDF: 35.8/24

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.557+/-0.014 χ^2/NDF:129417.0/7

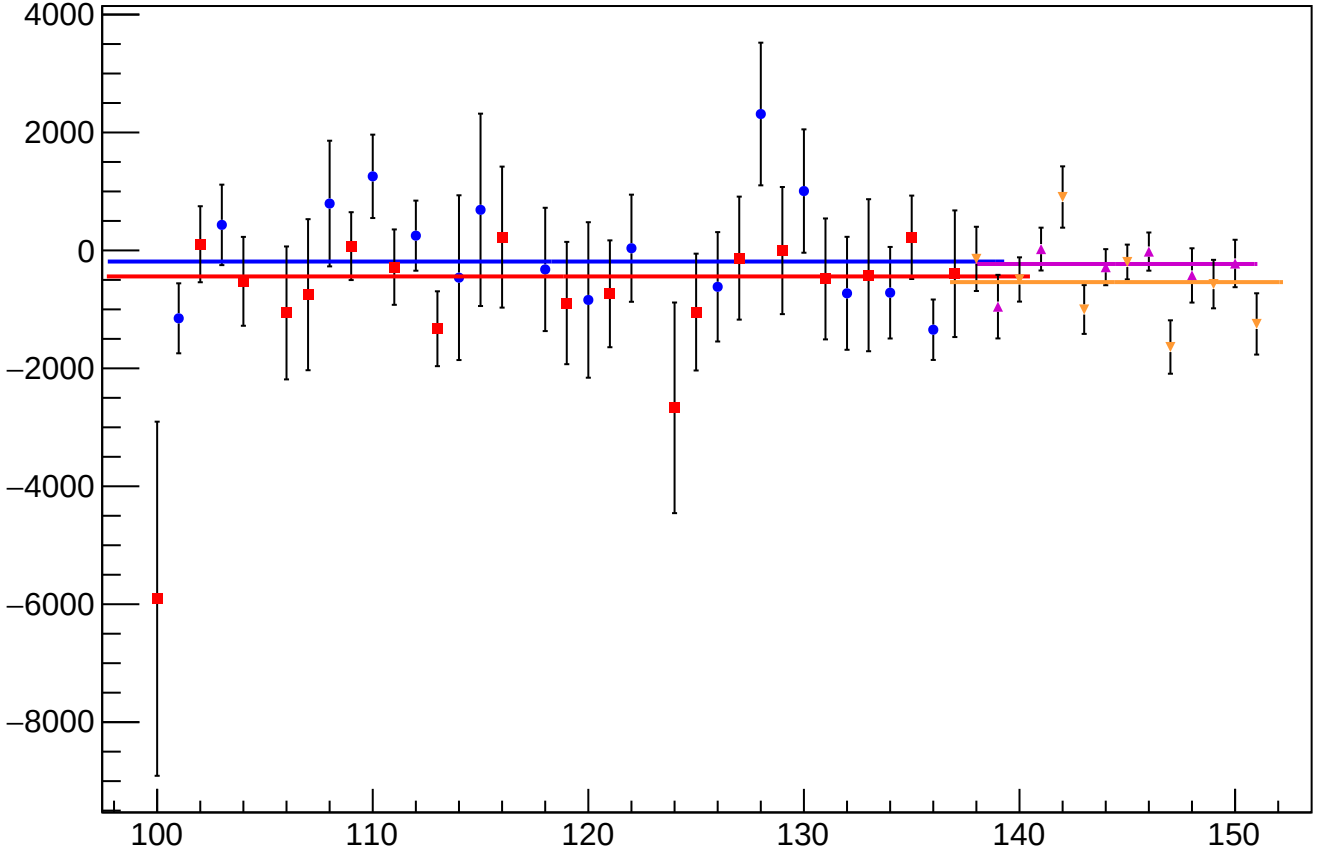
Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.461+/-0.015 χ^2/NDF:141164.2/5

+ sign 50.853+/-0.010 χ^2/NDF: 708738.9/23

All: 50.735+/-0.007 χ^2/NDF: 1500010.2/48

- sign 50.610+/-0.010 χ^2/NDF: 790985.3/24



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -537.386+/-147.435 χ^2/NDF:18.6/7

Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

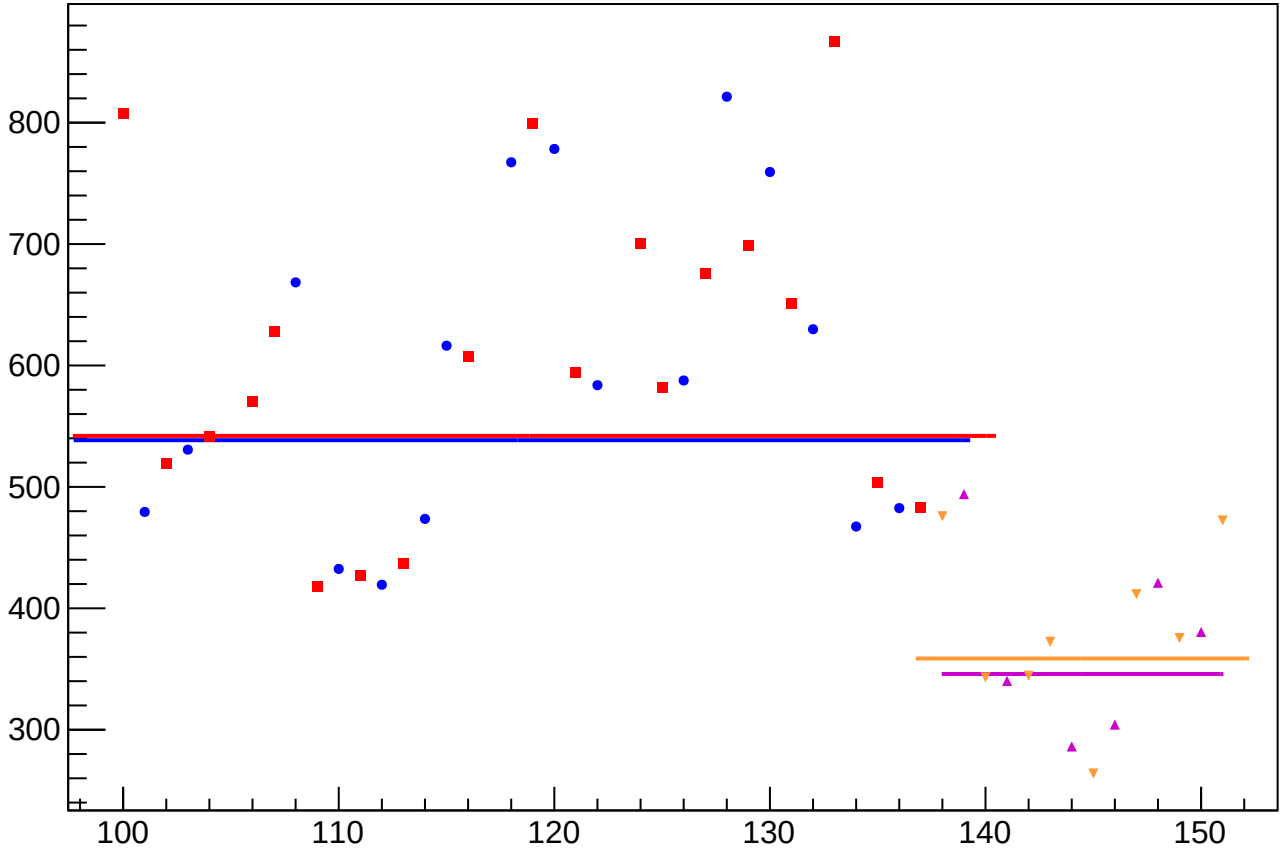
Left In: -230.180+/-153.999 χ^2/NDF:2.9/5

+ sign -419.081+/-119.855 χ^2/NDF: 41.9/23

All: -364.324+/-85.818 χ^2/NDF: 56.8/48

- sign -306.718+/-122.934 χ^2/NDF: 14.5/24

asym_sam_1357_avg_eigen_cor_correction_rms vs Slug



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 358.666+/-0.104 χ^2/NDF:432518.9/7

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

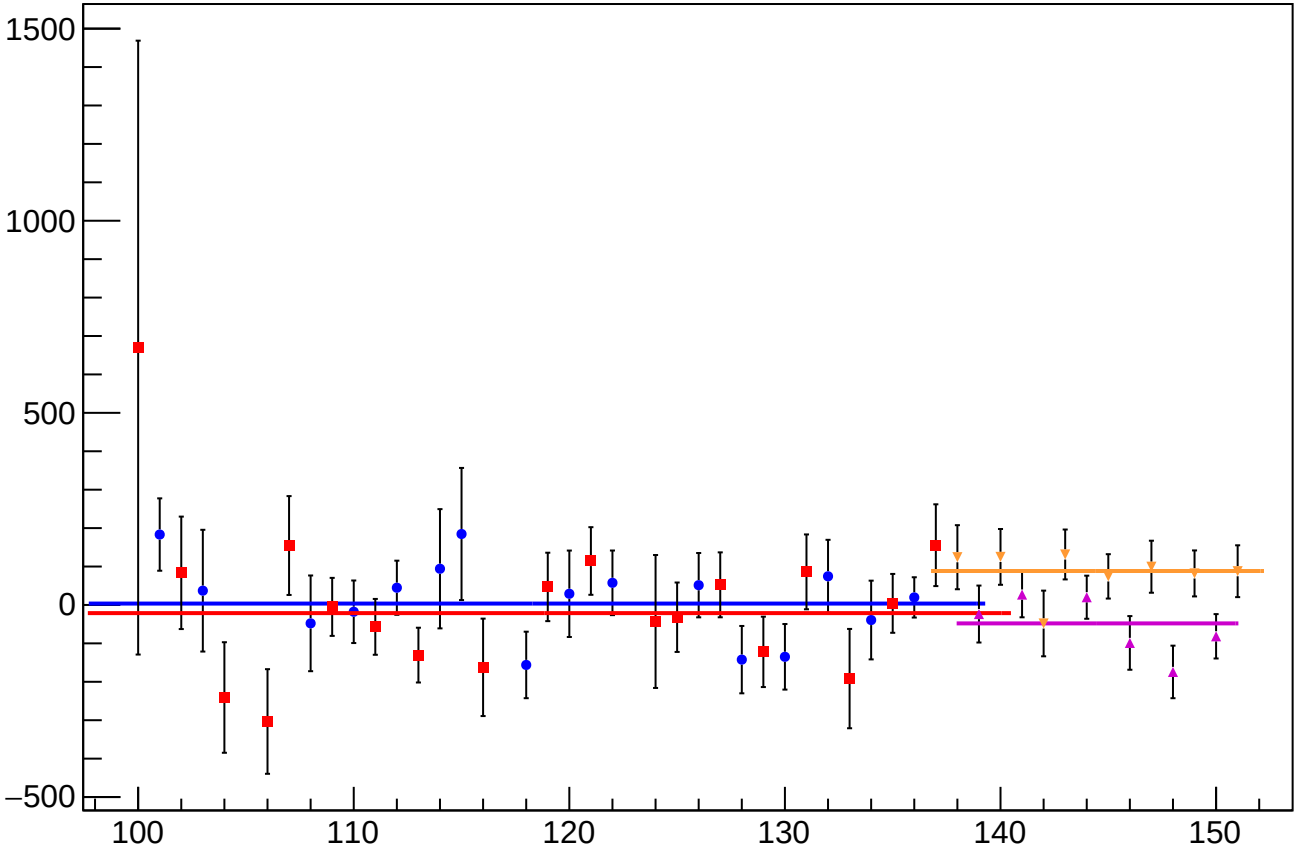
Left In: 345.896+/-0.109 χ^2/NDF:329011.0/5

+ sign 419.644+/-0.085 χ^2/NDF: 2055325.4/23

All: 418.377+/-0.061 χ^2/NDF: 4193114.7/48

- sign 417.043+/-0.087 χ^2/NDF: 2137330.2/24

dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 88.352+/-24.081 χ^2/NDF:3.5/7

Right Out: -21.253+/-22.769 χ^2/NDF: 24.4/18

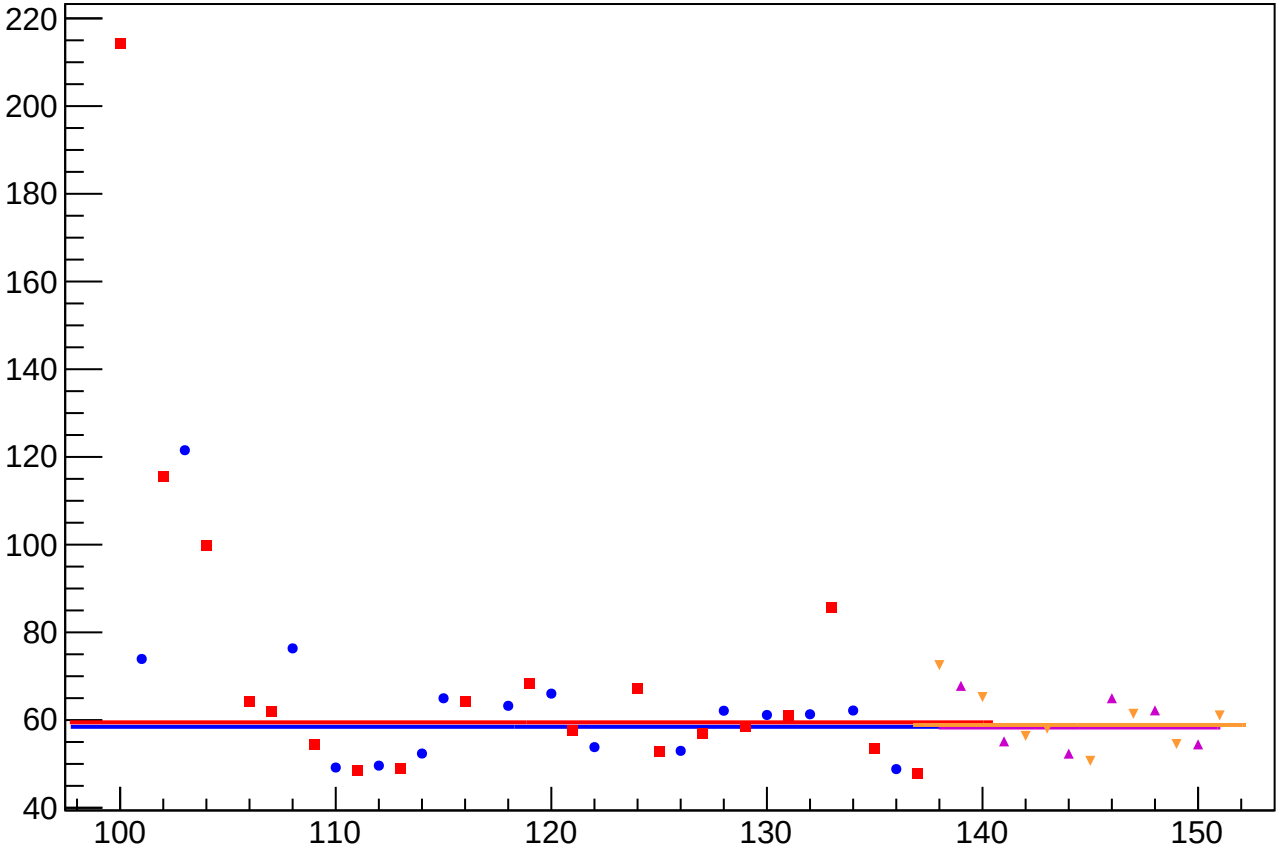
Left In: -48.009+/-25.787 χ^2/NDF:7.5/5

+ sign 43.064+/-16.432 χ^2/NDF: 26.3/23

All: 6.486+/-11.838 χ^2/NDF: 69.1/48

- sign -32.974+/-17.068 χ^2/NDF: 32.5/24

dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 58.883+/-0.017 χ^2/NDF:126473.7/7

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

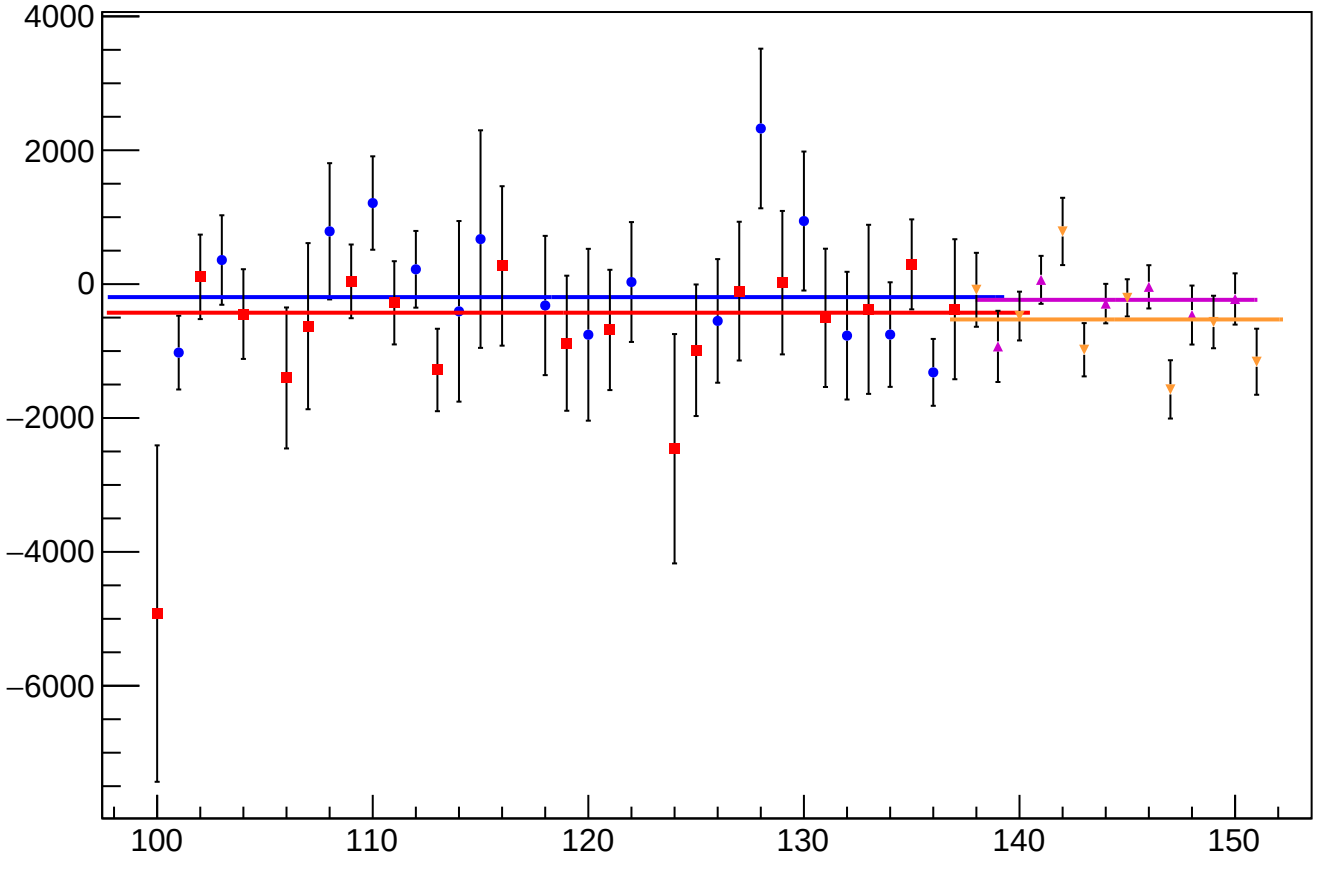
Left In: 58.301+/-0.018 χ^2/NDF:94763.6/5

+ sign 58.660+/-0.012 χ^2/NDF: 709780.1/23

All: 58.807+/-0.008 χ^2/NDF: 1592122.1/48

- sign 58.966+/-0.012 χ^2/NDF: 882009.1/24

asym_sam_1357_avg_dit_correction_mean vs Slug



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -527.653+/-141.567 χ^2/NDF:17.5/7

Right Out: -426.977+/-197.005 χ^2/NDF: 11.3/18

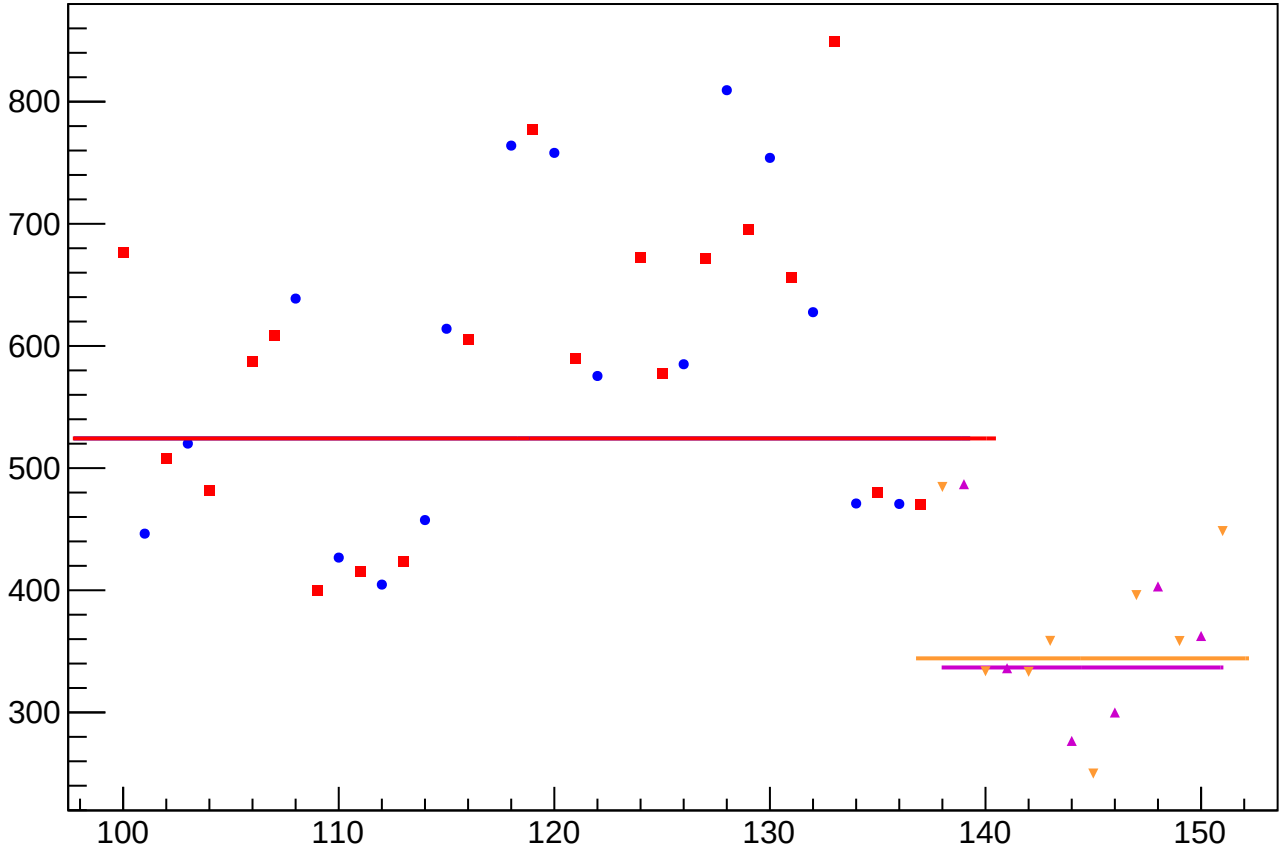
Left In: -234.683+/-150.126 χ^2/NDF:3.1/5

+ sign -416.696+/-115.665 χ^2/NDF: 40.2/23

All: -362.783+/-83.079 χ^2/NDF: 55.6/48

- sign -305.327+/-119.407 χ^2/NDF: 15.0/24

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 344.261+/-0.100 χ^2/NDF:484415.0/7

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

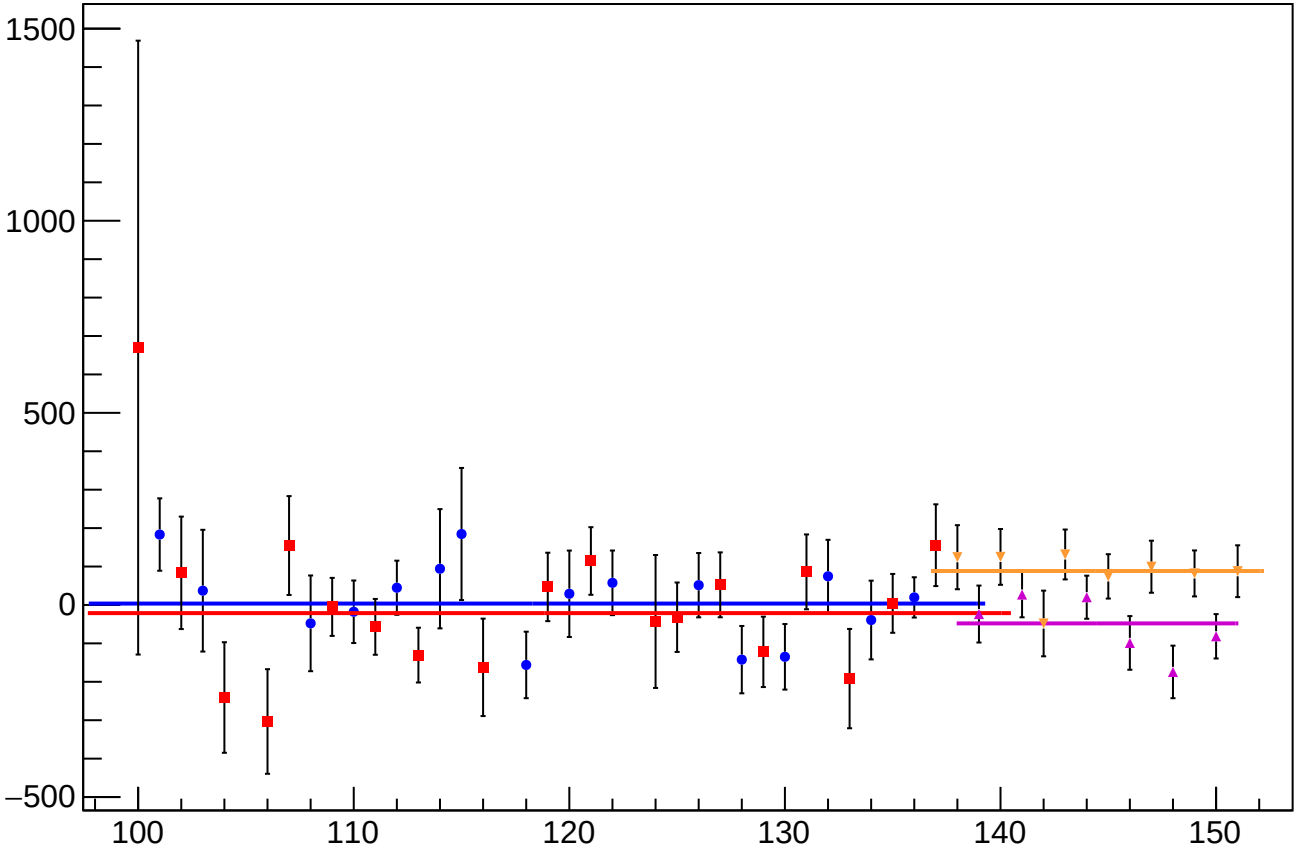
Left In: 336.793+/-0.106 χ^2/NDF:322714.6/5

+ sign 404.124+/-0.082 χ^2/NDF: 2218618.4/23

All: 404.877+/-0.059 χ^2/NDF: 4373839.8/48

- sign 405.680+/-0.084 χ^2/NDF: 2155046.0/24

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 88.352+/-24.081 χ^2/NDF:3.5/7

Right Out: -21.251+/-22.769 χ^2/NDF: 24.4/18

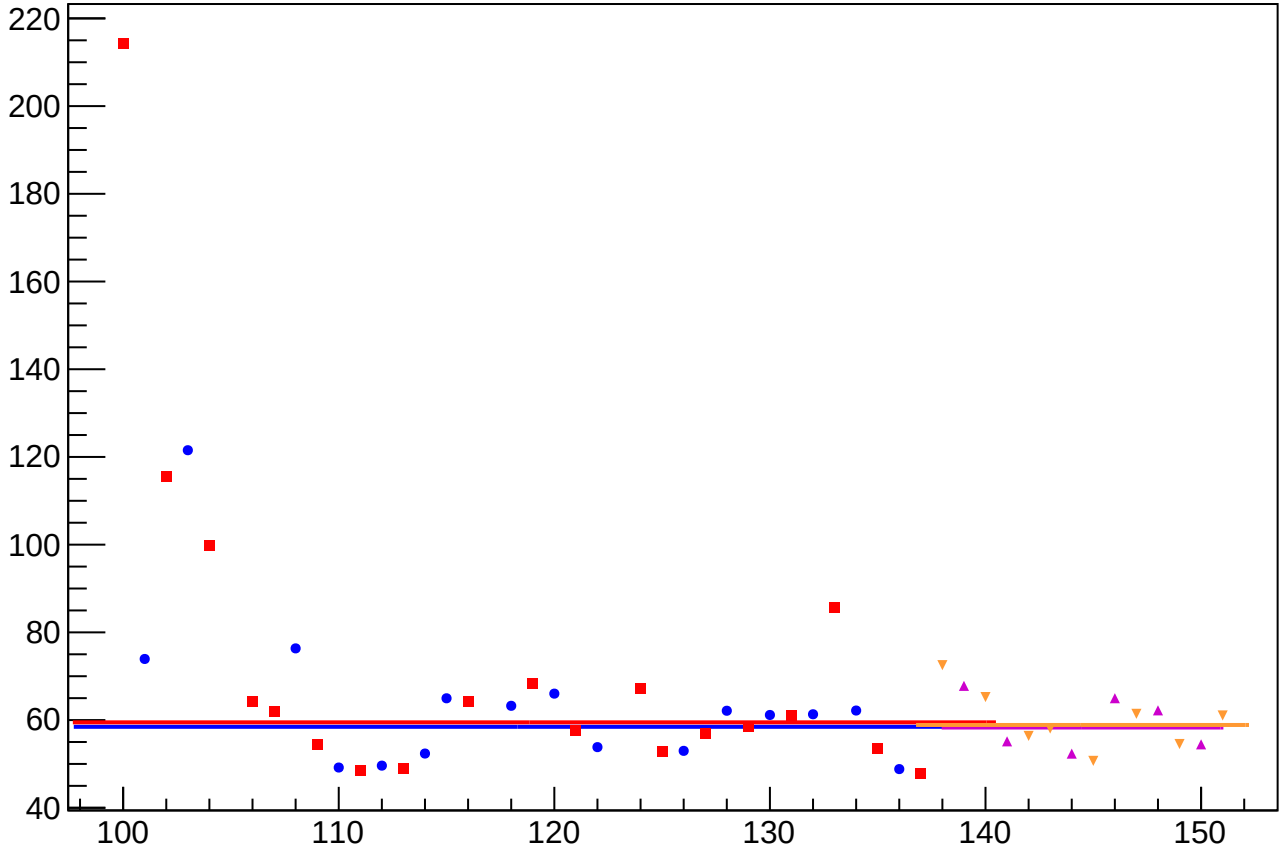
Left In: -48.009+/-25.787 χ^2/NDF:7.5/5

+ sign 43.064+/-16.433 χ^2/NDF: 26.3/23

All: 6.486+/-11.838 χ^2/NDF: 69.1/48

- sign -32.973+/-17.068 χ^2/NDF: 32.5/24

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 58.884+/-0.017 χ^2/NDF:126473.8/7

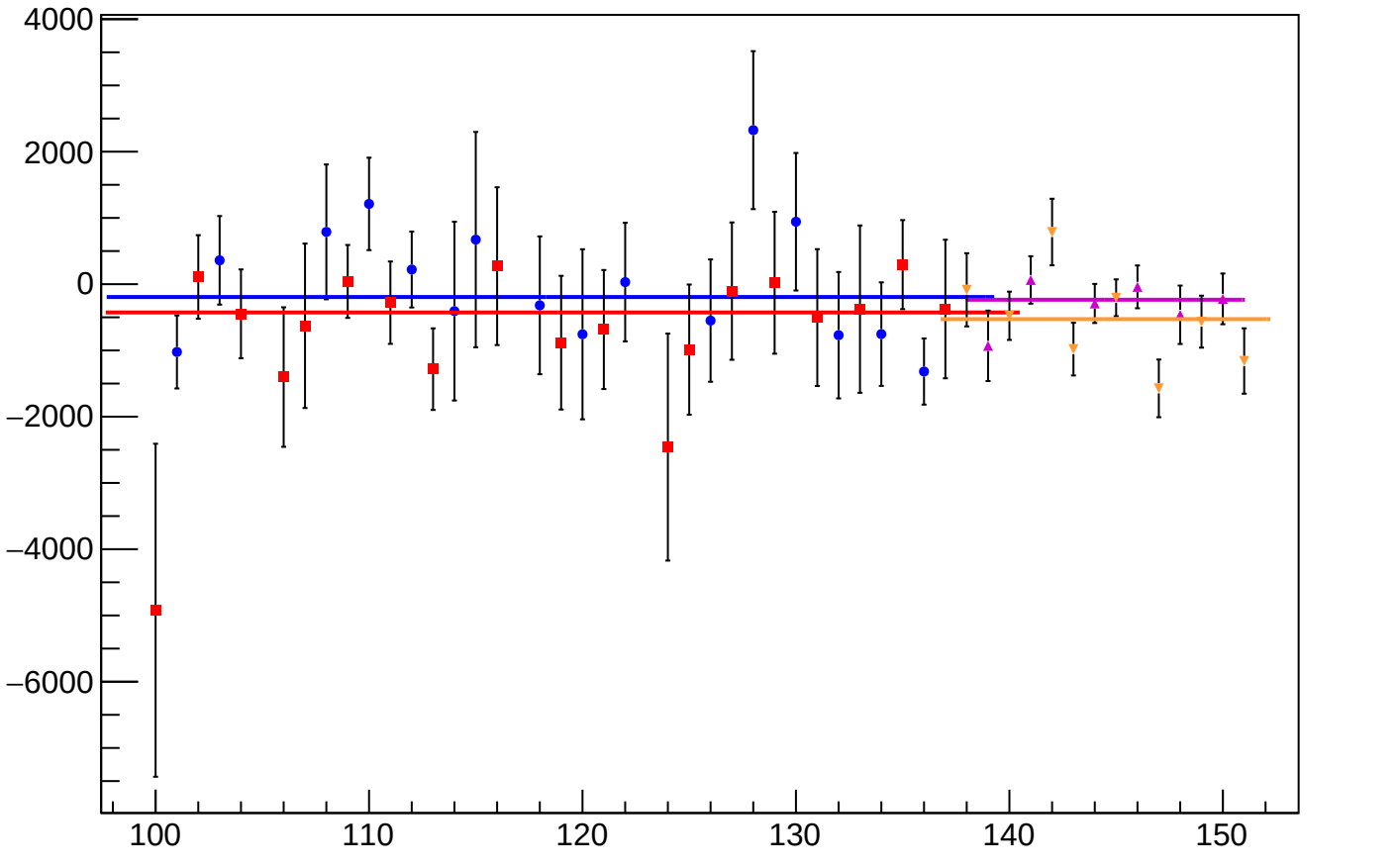
Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 58.301+/-0.018 χ^2/NDF:94762.4/5

+ sign 58.660+/-0.012 χ^2/NDF: 709776.9/23

All: 58.807+/-0.008 χ^2/NDF: 1592117.5/48

- sign 58.966+/-0.012 χ^2/NDF: 882007.8/24



Right In: -193.899+/-200.603 χ^2/NDF: 20.8/15

Left Out: -527.653+/-141.567 χ^2/NDF:17.5/7

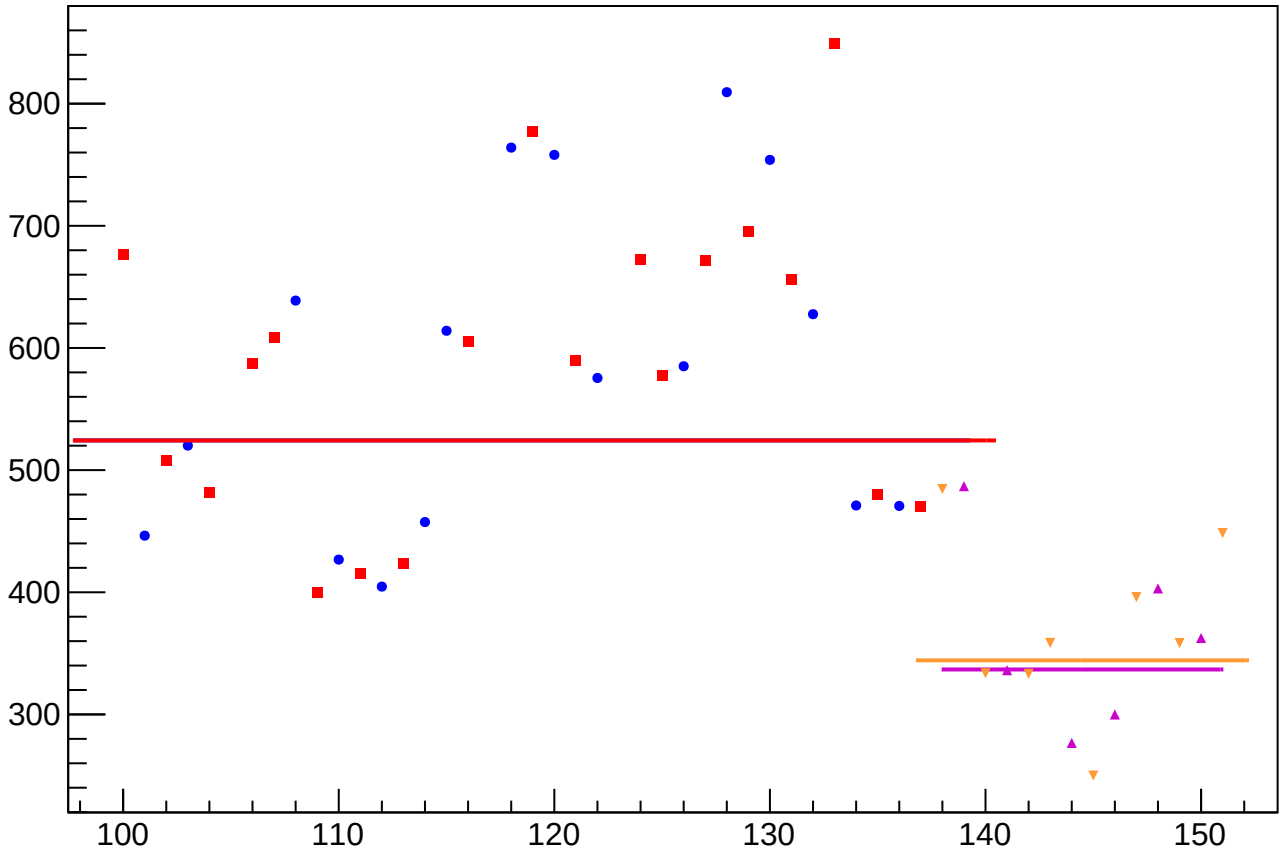
Right Out: -426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: -234.683+/-150.126 χ^2/NDF:3.1/5

+ sign -416.696+/-115.665 χ^2/NDF: 40.2/23

All: -362.783+/-83.079 χ^2/NDF: 55.6/48

- sign -305.326+/-119.407 χ^2/NDF: 15.0/24



Right In: 524.325+/-0.142 χ^2/NDF: 658493.8/15

Left Out: 344.260+/-0.100 χ^2/NDF:484415.7/7

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

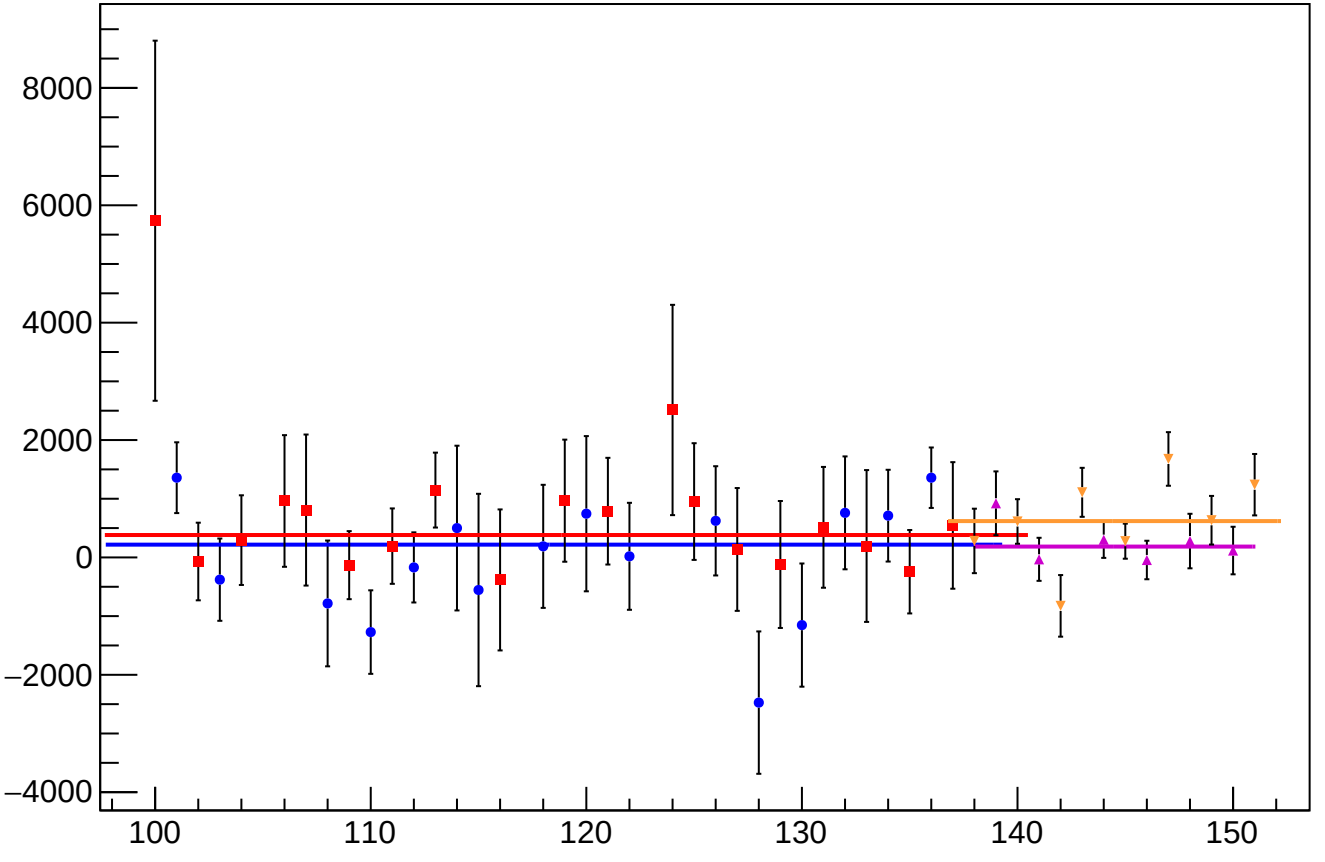
Left In: 336.793+/-0.106 χ^2/NDF:322716.1/5

+ sign 404.123+/-0.082 χ^2/NDF: 2218615.6/23

All: 404.877+/-0.059 χ^2/NDF: 4373830.6/48

- sign 405.680+/-0.084 χ^2/NDF: 2155039.6/24

asym_sam_1357_avg_mean vs Slug



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 619.087+/-148.913 χ^2/NDF:17.4/7

Right Out: 381.836+/-205.585 χ^2/NDF: 10.0/18

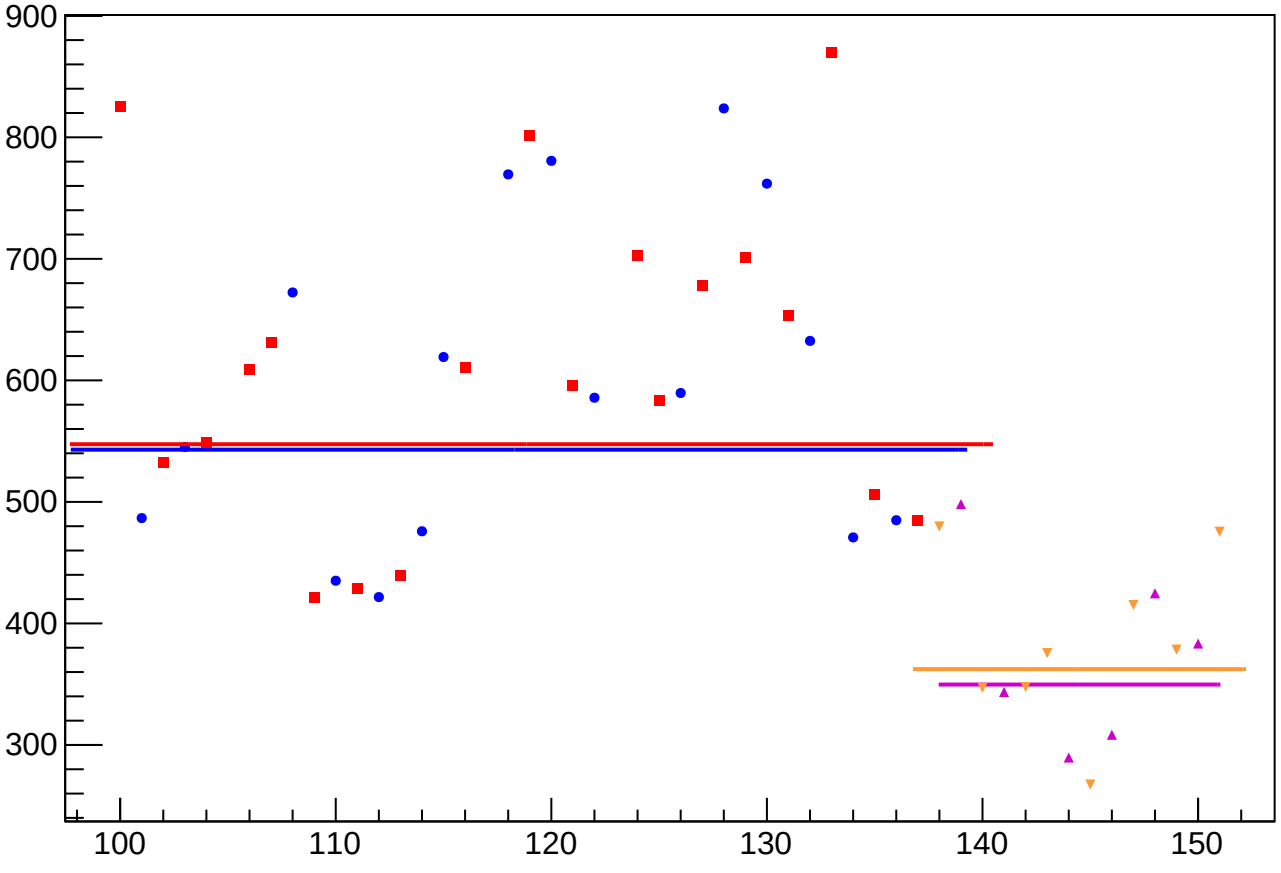
Left In: 184.888+/-155.640 χ^2/NDF:2.9/5

+ sign 482.649+/-120.981 χ^2/NDF: 42.8/23

All: 372.513+/-86.625 χ^2/NDF: 57.9/48

- sign 256.642+/-124.091 χ^2/NDF: 13.5/24

asym_sam_1357_avg_rms vs Slug



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 362.396+/-0.105 χ^2/NDF:423304.0/7

Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

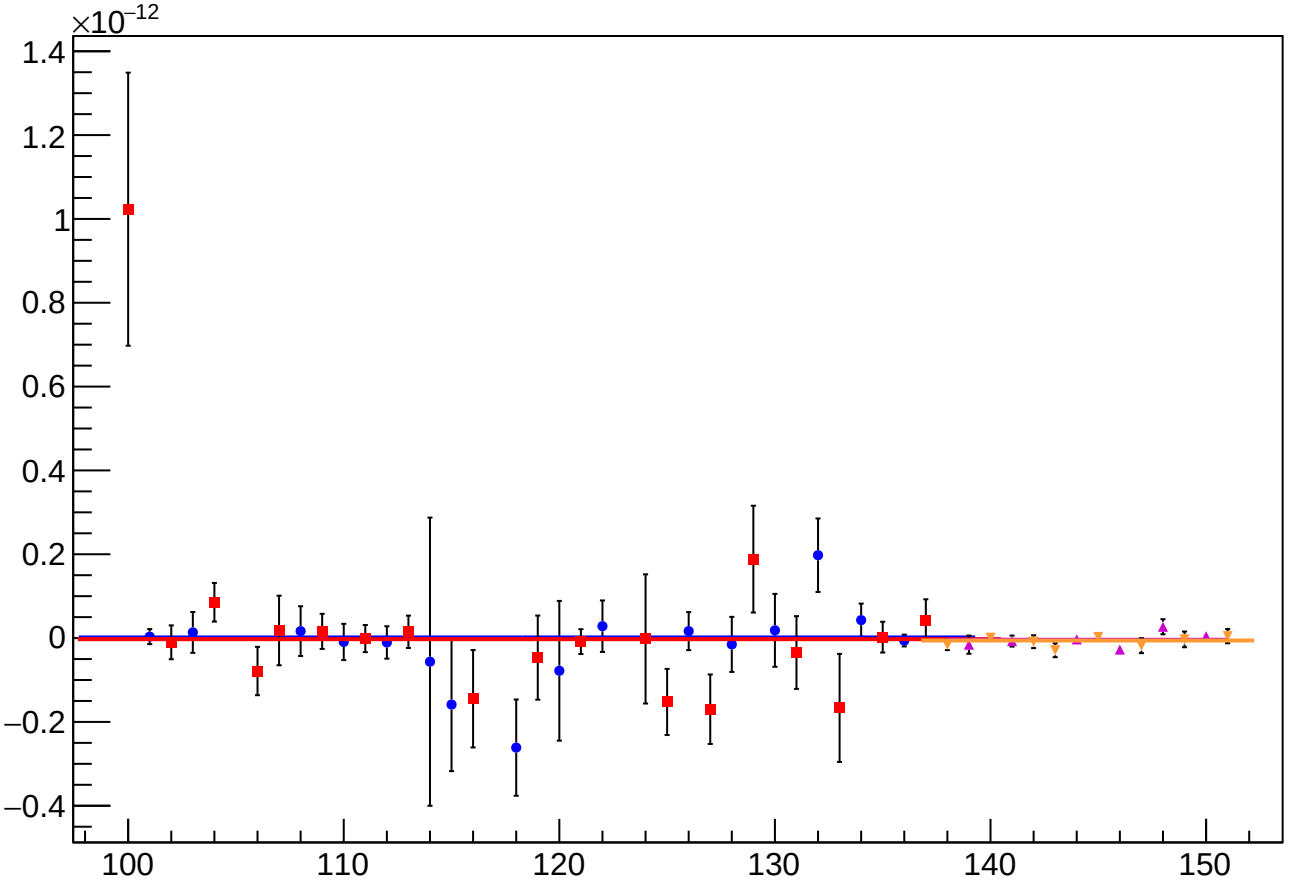
Left In: 349.705+/-0.110 χ^2/NDF:323039.0/5

+ sign 423.794+/-0.086 χ^2/NDF: 2028638.2/23

All: 422.800+/-0.061 χ^2/NDF: 4158632.0/48

- sign 421.755+/-0.088 χ^2/NDF: 2129716.9/24

asym_sam_1357_avg_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:4.8/7

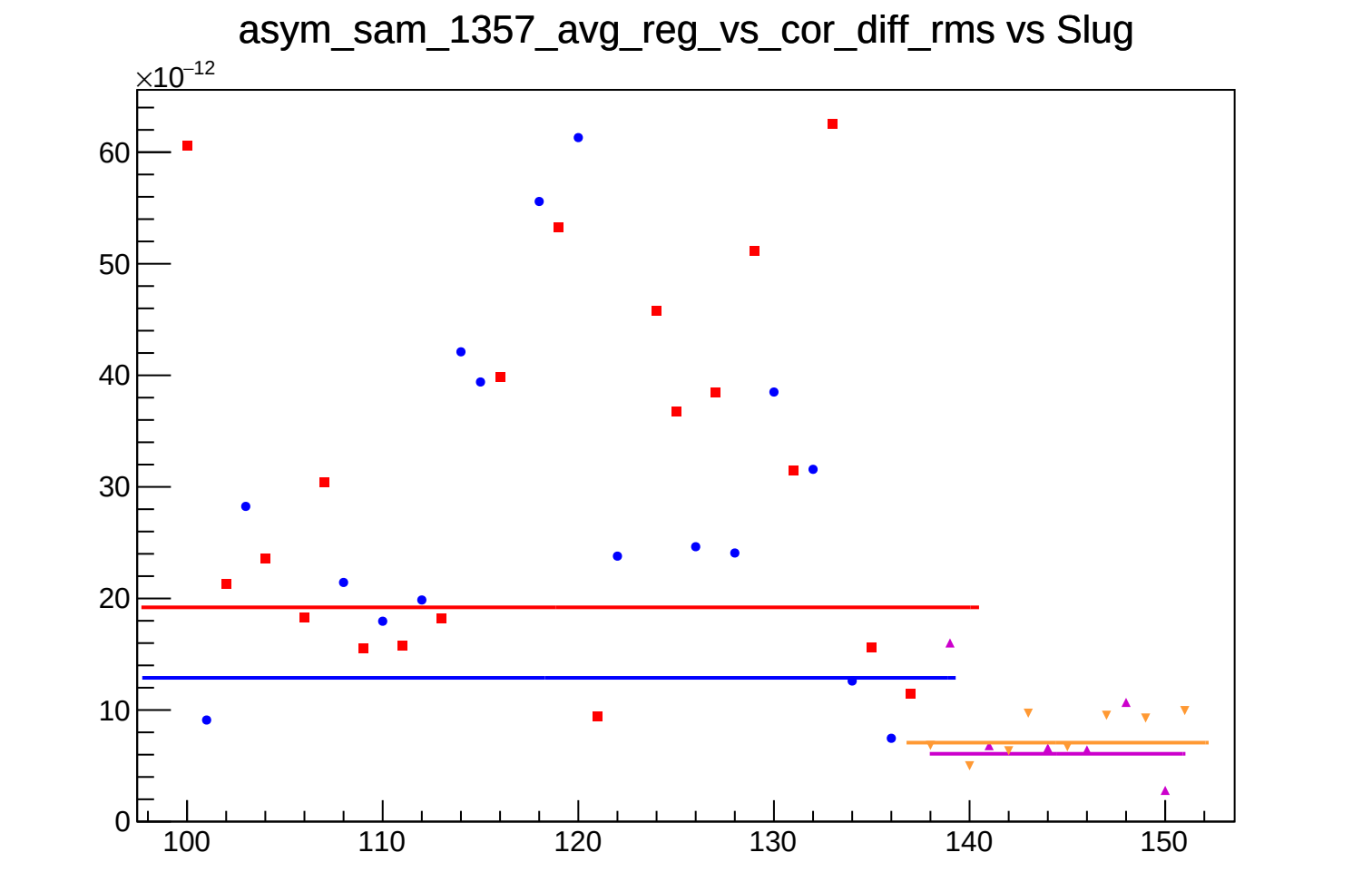
Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/18

Left In: -0.000+/-0.000 χ^2/NDF:8.8/5

+ sign -0.000+/-0.000 χ^2/NDF: 18.9/23

All: -0.000+/-0.000 χ^2/NDF: 57.8/48

- sign -0.000+/-0.000 χ^2/NDF: 38.9/24



Right In: 0.000+/-0.000 χ^2/NDF: 1756750.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:287669.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1367620.8/18

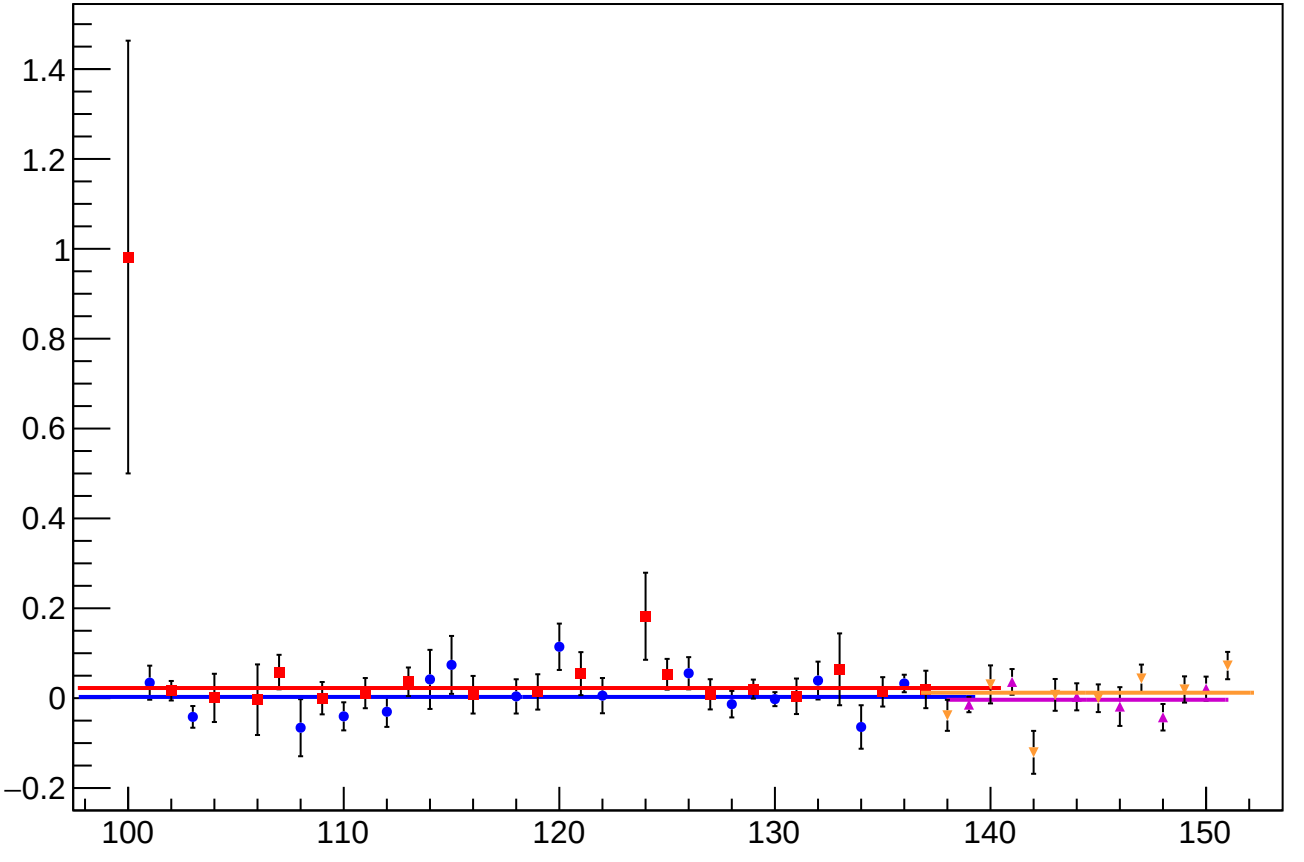
Left In: 0.000+/-0.000 χ^2/NDF:874493.5/5

+ sign 0.000+/-0.000 χ^2/NDF: 2692867.3/23

All: 0.000+/-0.000 χ^2/NDF: 6967139.1/48

- sign 0.000+/-0.000 χ^2/NDF: 4264208.8/24

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: 0.012+/-0.012 χ^2/NDF:15.3/7

Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

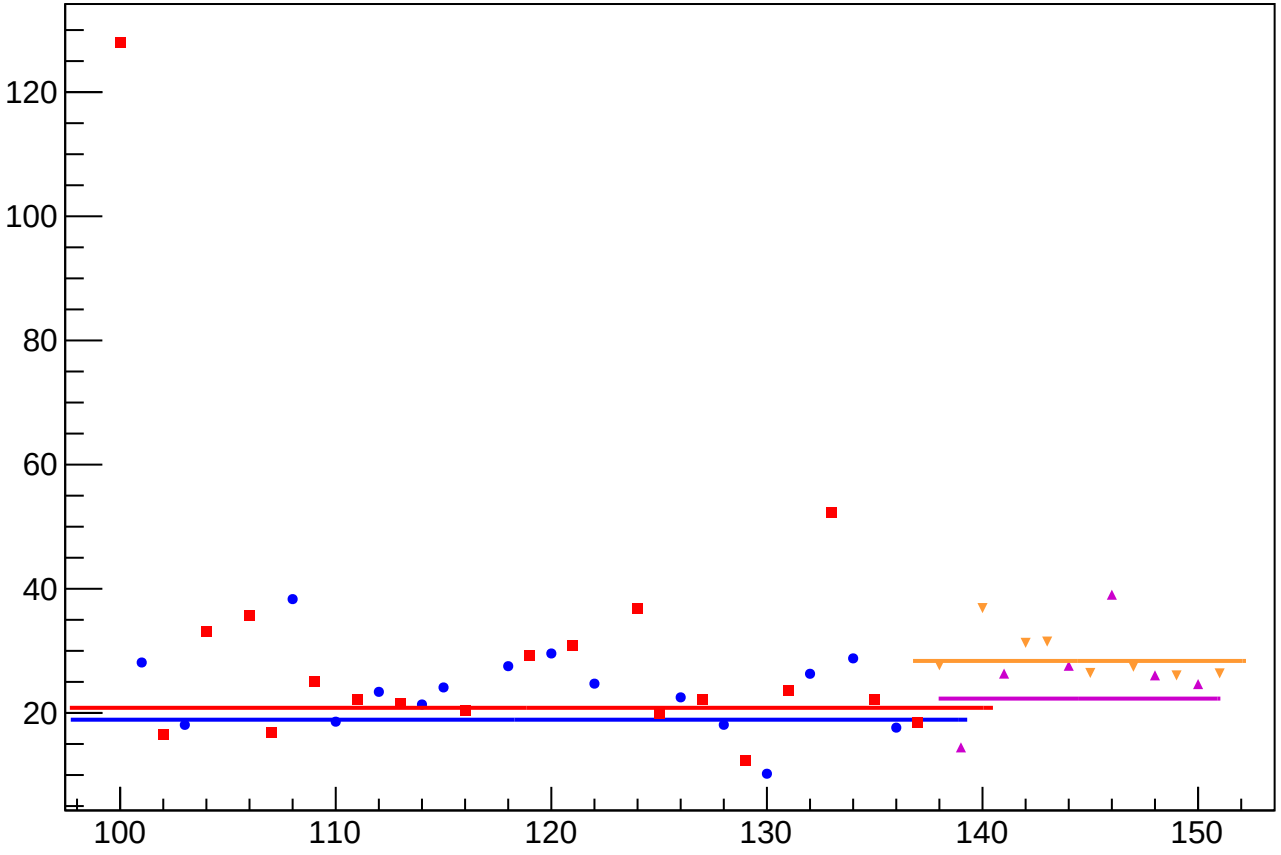
Left In: -0.004+/-0.011 χ^2/NDF:5.1/5

+ sign 0.006+/-0.007 χ^2/NDF: 37.7/23

All: 0.009+/-0.005 χ^2/NDF: 57.8/48

- sign 0.012+/-0.007 χ^2/NDF: 19.6/24

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: 28.378+/-0.008 χ^2/NDF:135943.1/7

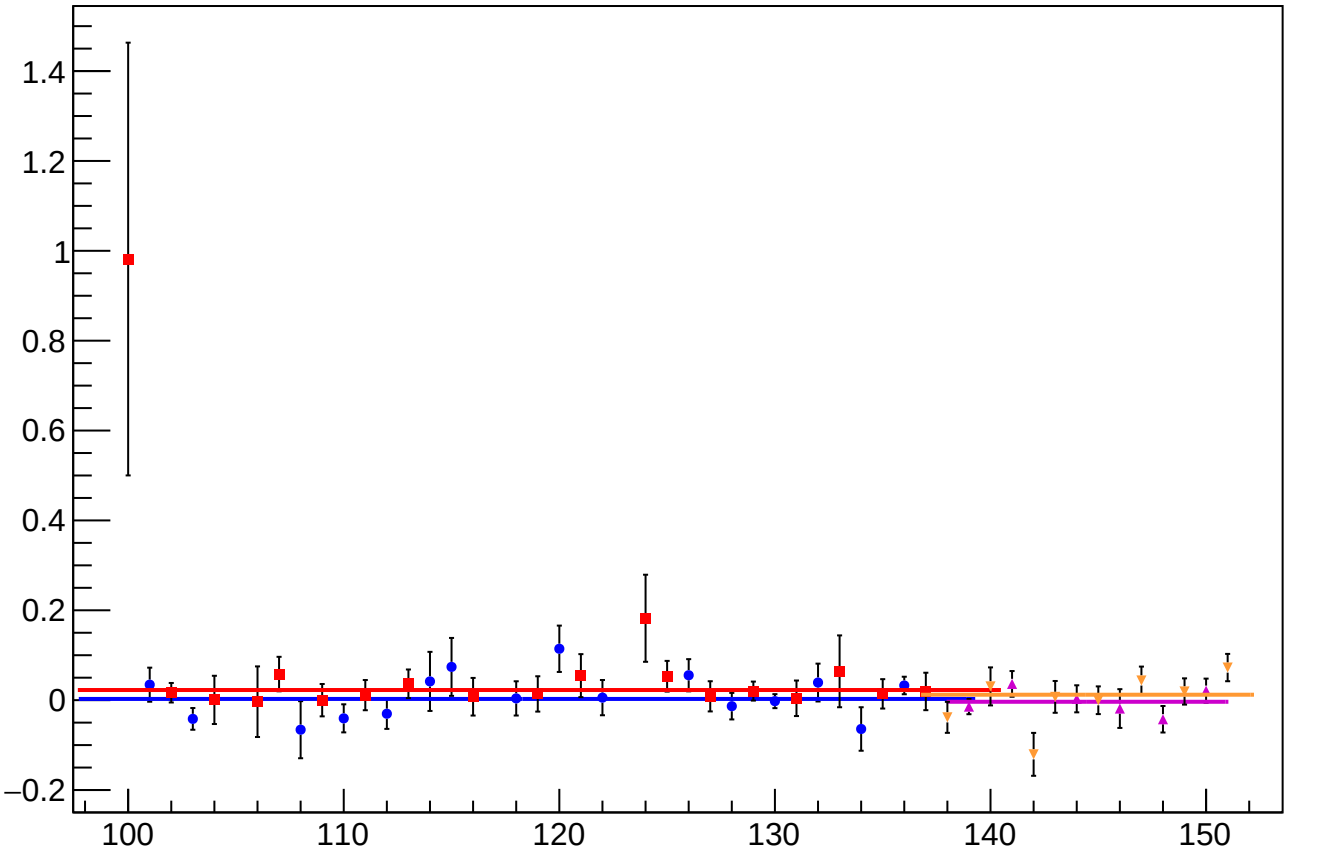
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 22.310+/-0.008 χ^2/NDF:879214.2/5

+ sign 21.737+/-0.005 χ^2/NDF: 2404569.9/23

All: 21.571+/-0.003 χ^2/NDF: 4601849.6/48

- sign 21.402+/-0.005 χ^2/NDF: 2194685.9/24



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.012+/-0.012 χ^2/NDF:15.3/7

Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

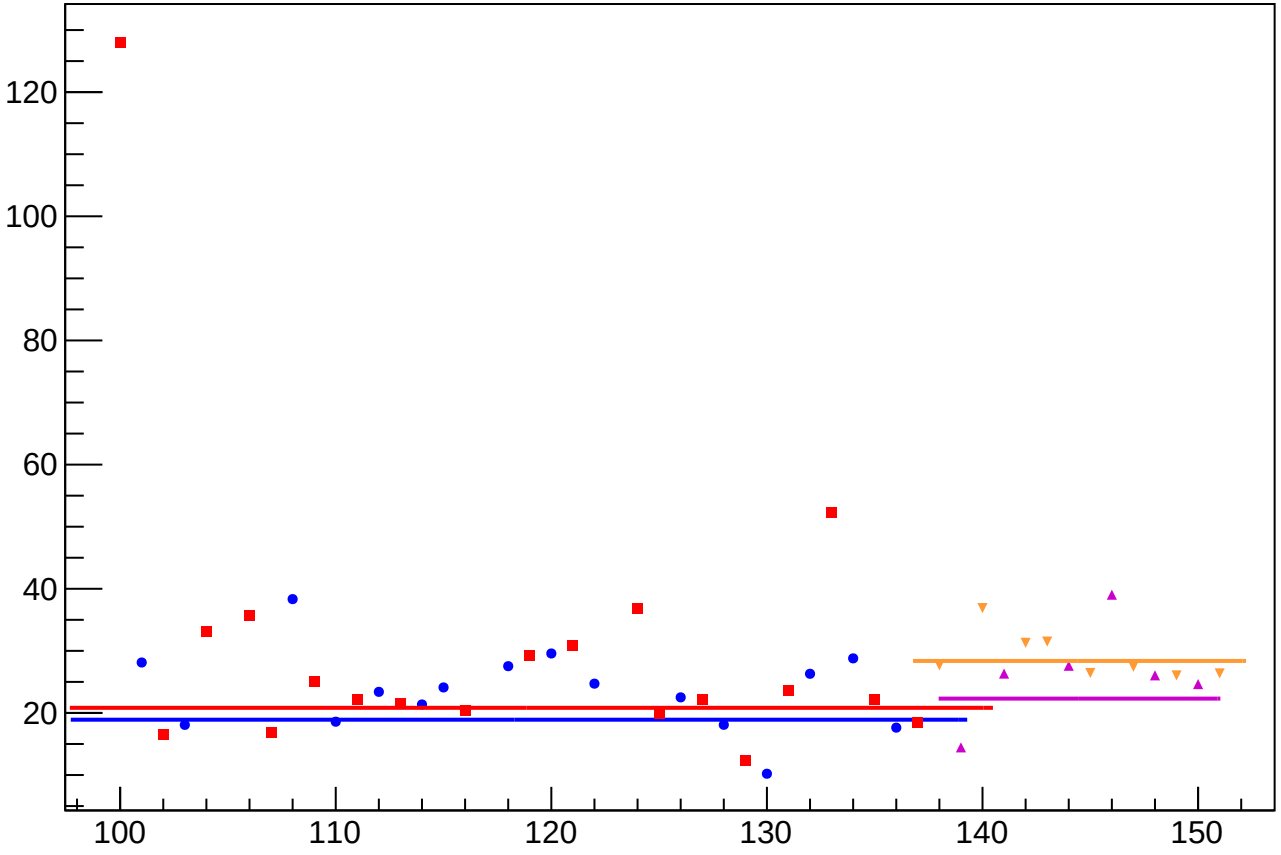
Left In: -0.004+/-0.011 χ^2/NDF:5.1/5

+ sign 0.006+/-0.007 χ^2/NDF: 37.7/23

All: 0.009+/-0.005 χ^2/NDF: 57.8/48

- sign 0.012+/-0.007 χ^2/NDF: 19.6/24

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 28.378+/-0.008 χ^2/NDF:135943.1/7

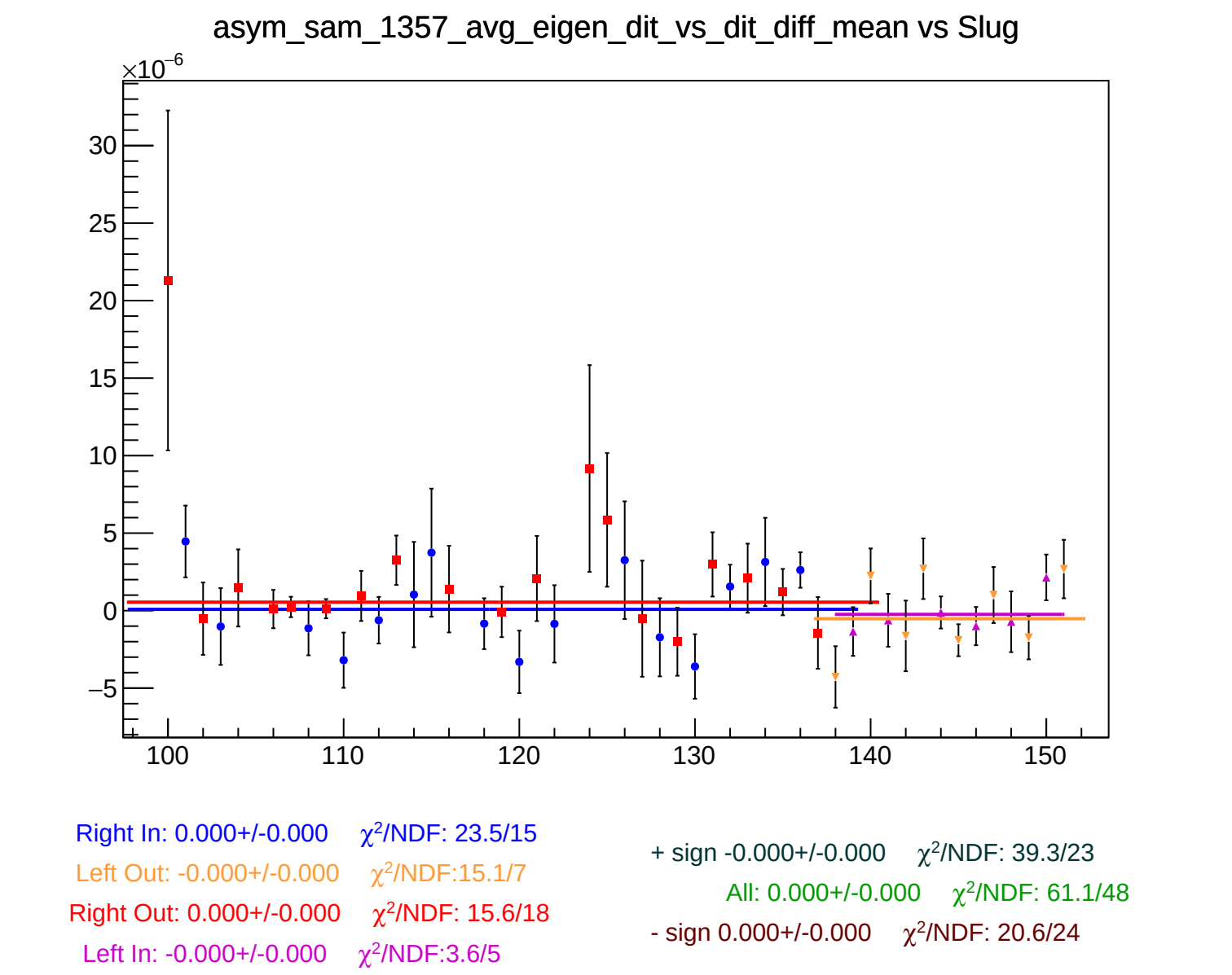
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

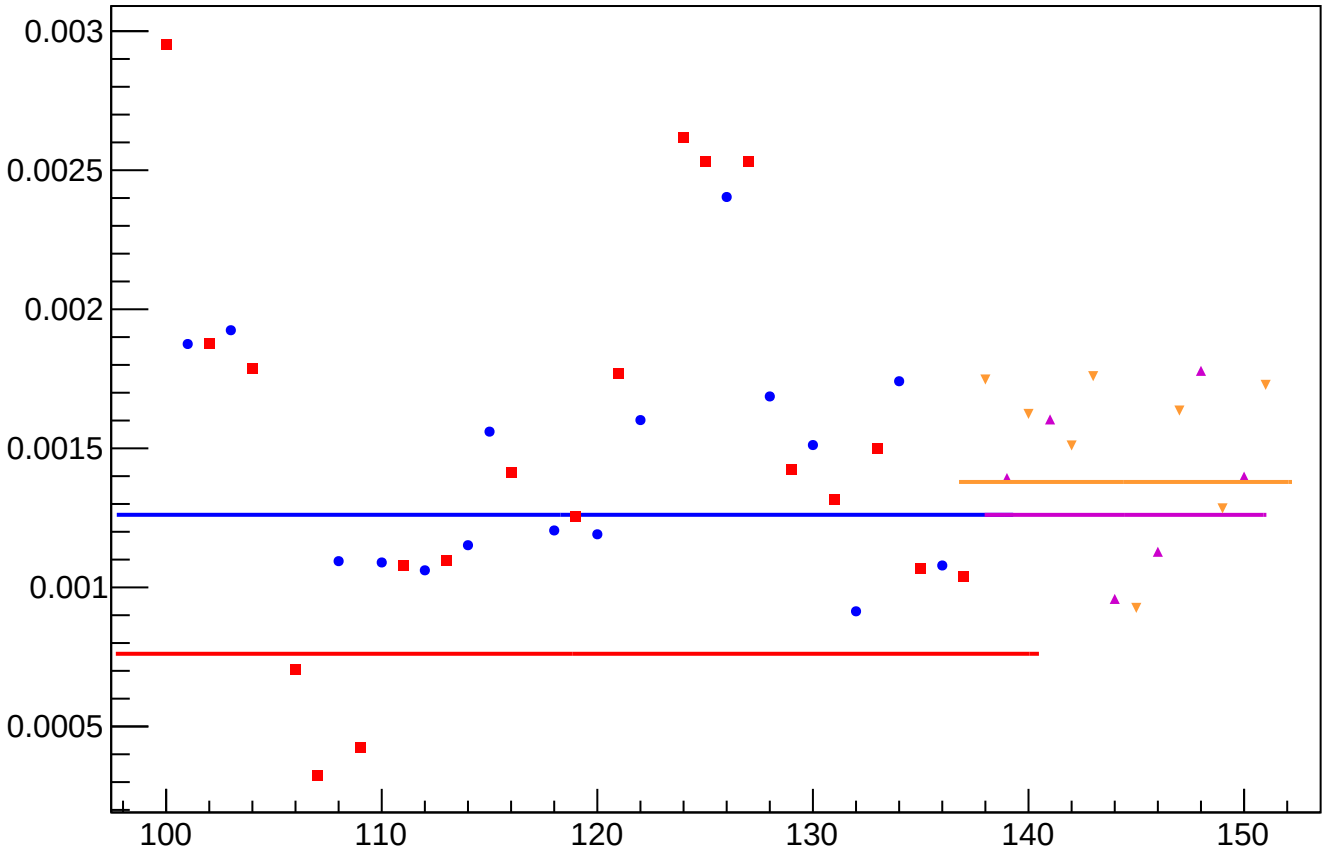
Left In: 22.310+/-0.008 χ^2/NDF:879214.2/5

+ sign 21.737+/-0.005 χ^2/NDF: 2404569.9/23

All: 21.571+/-0.003 χ^2/NDF: 4601849.6/48

- sign 21.402+/-0.005 χ^2/NDF: 2194685.9/24


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
Right In: 0.000+/-0.000 χ²/NDF: 23.5/15
Left Out: -0.000+/-0.000 χ²/NDF:15.1/7
Right Out: 0.000+/-0.000 χ²/NDF: 15.6/18
Left In: -0.000+/-0.000 χ²/NDF:3.6/5
+ sign -0.000+/-0.000 χ²/NDF: 39.3/23
All: 0.000+/-0.000 χ²/NDF: 61.1/48
- sign 0.000+/-0.000 χ²/NDF: 20.6/24



Right In: 0.001+/-0.000 χ^2/NDF: 907342.5/15

Left Out: 0.001+/-0.000 χ^2/NDF:692711.1/7

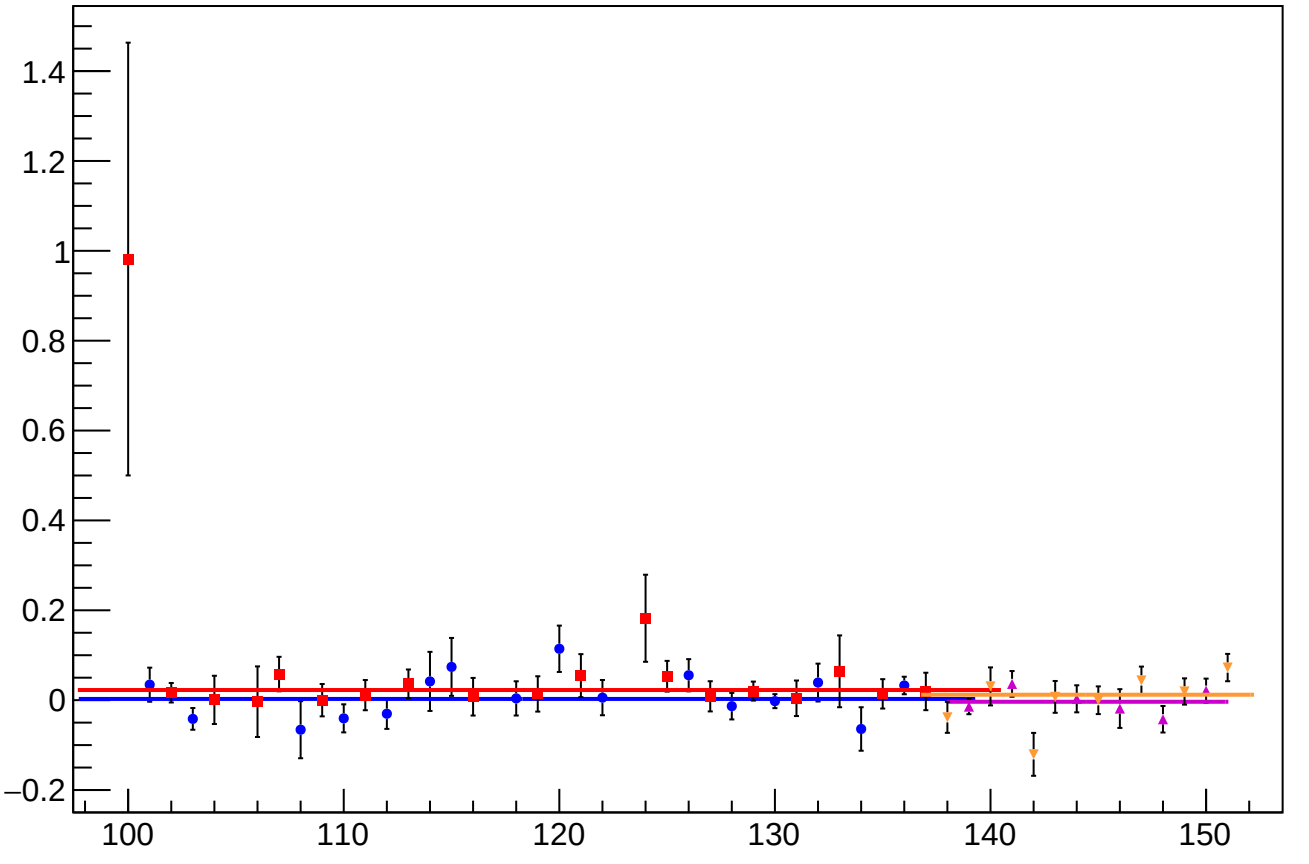
Right Out: 0.001+/-0.000 χ^2/NDF: 4672607.8/18

Left In: 0.001+/-0.000 χ^2/NDF:445997.8/5

+ sign 0.001+/-0.000 χ^2/NDF: 1649472.3/23

All: 0.001+/-0.000 χ^2/NDF: 9484500.6/48

- sign 0.001+/-0.000 χ^2/NDF: 6249552.4/24



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.012+/-0.012 χ^2/NDF:15.3/7

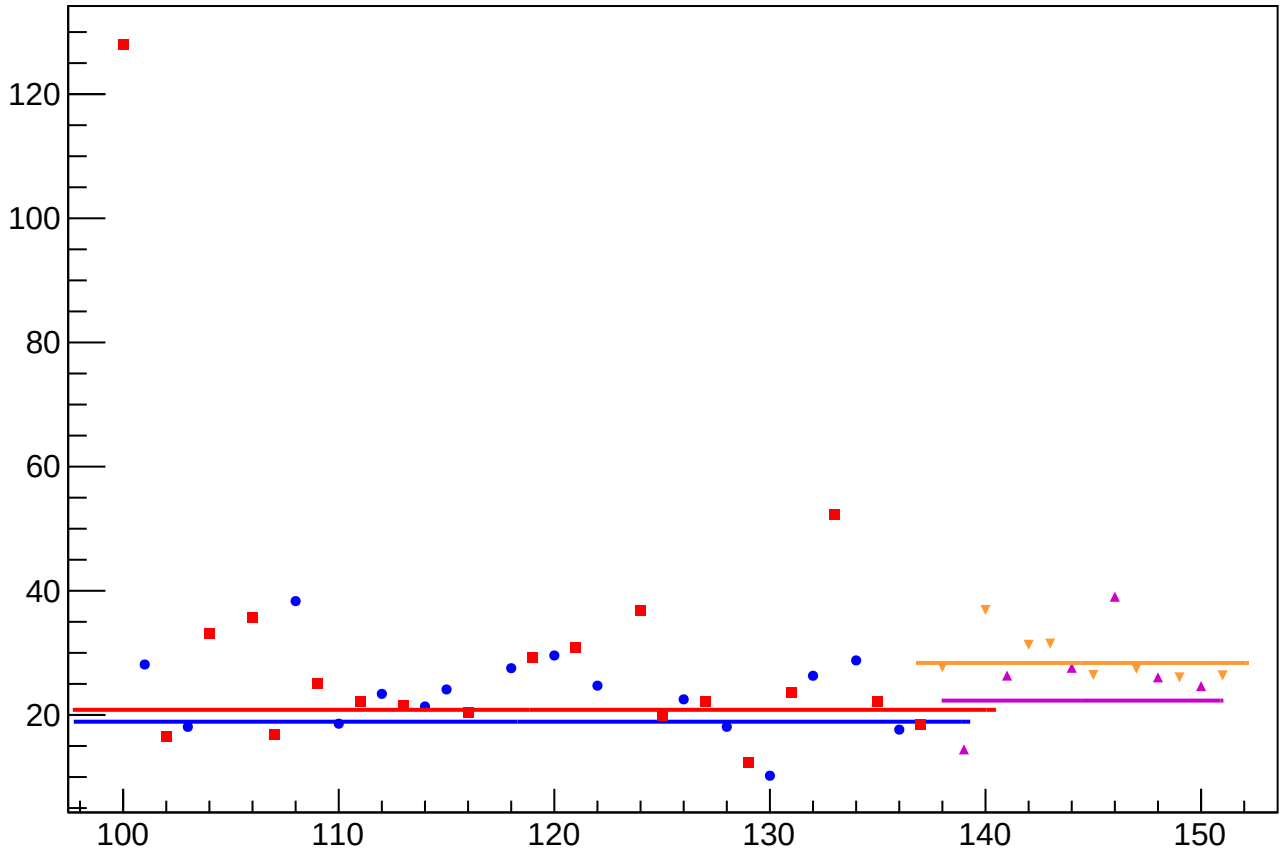
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.004+/-0.011 χ^2/NDF:5.1/5

+ sign 0.006+/-0.007 χ^2/NDF: 37.7/23

All: 0.009+/-0.005 χ^2/NDF: 57.8/48

- sign 0.012+/-0.007 χ^2/NDF: 19.6/24



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 28.378+/-0.008 χ^2/NDF:135942.8/7

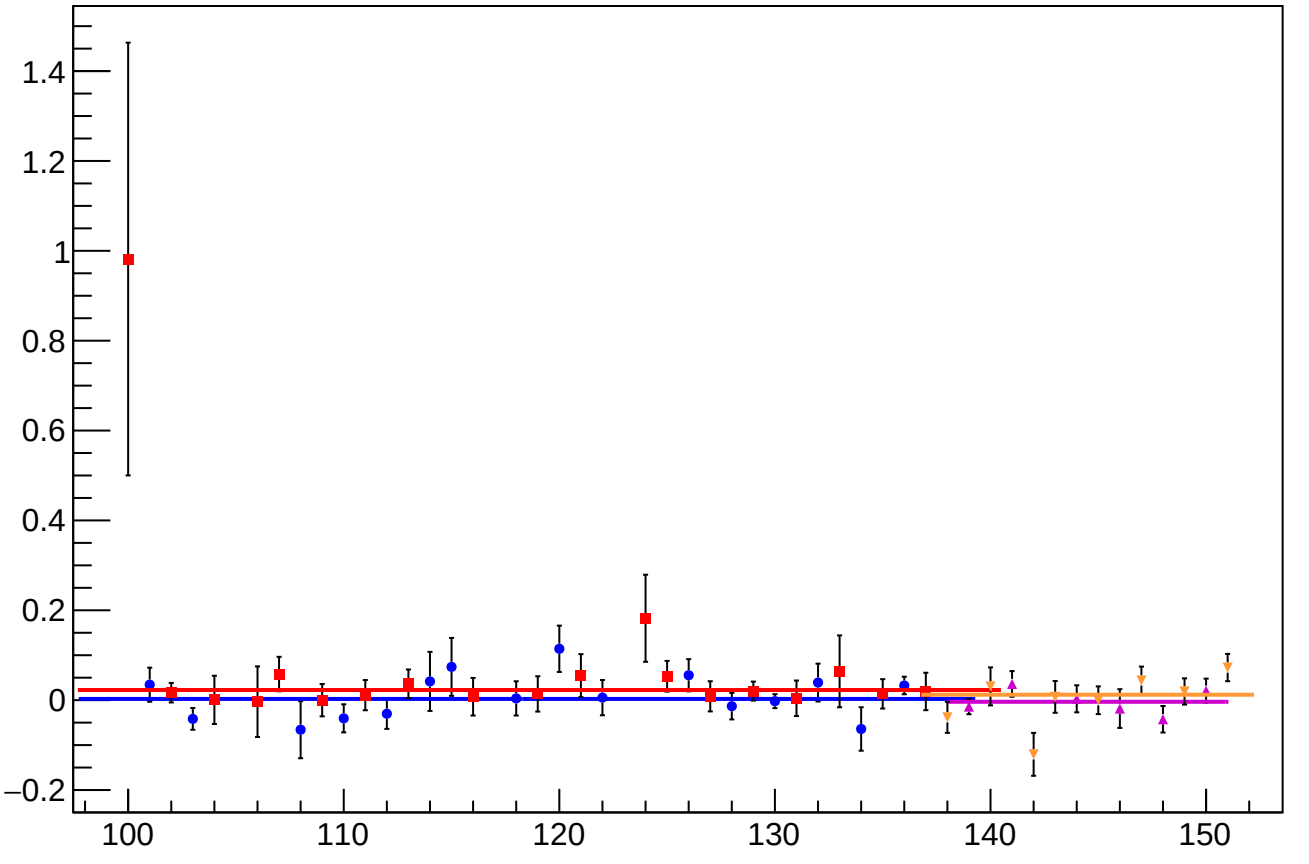
Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 22.311+/-0.008 χ^2/NDF:879139.9/5

+ sign 21.737+/-0.005 χ^2/NDF: 2404452.4/23

All: 21.572+/-0.003 χ^2/NDF: 4601668.6/48

- sign 21.403+/-0.005 χ^2/NDF: 2194621.3/24



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.012+/-0.012 χ^2/NDF:15.3/7

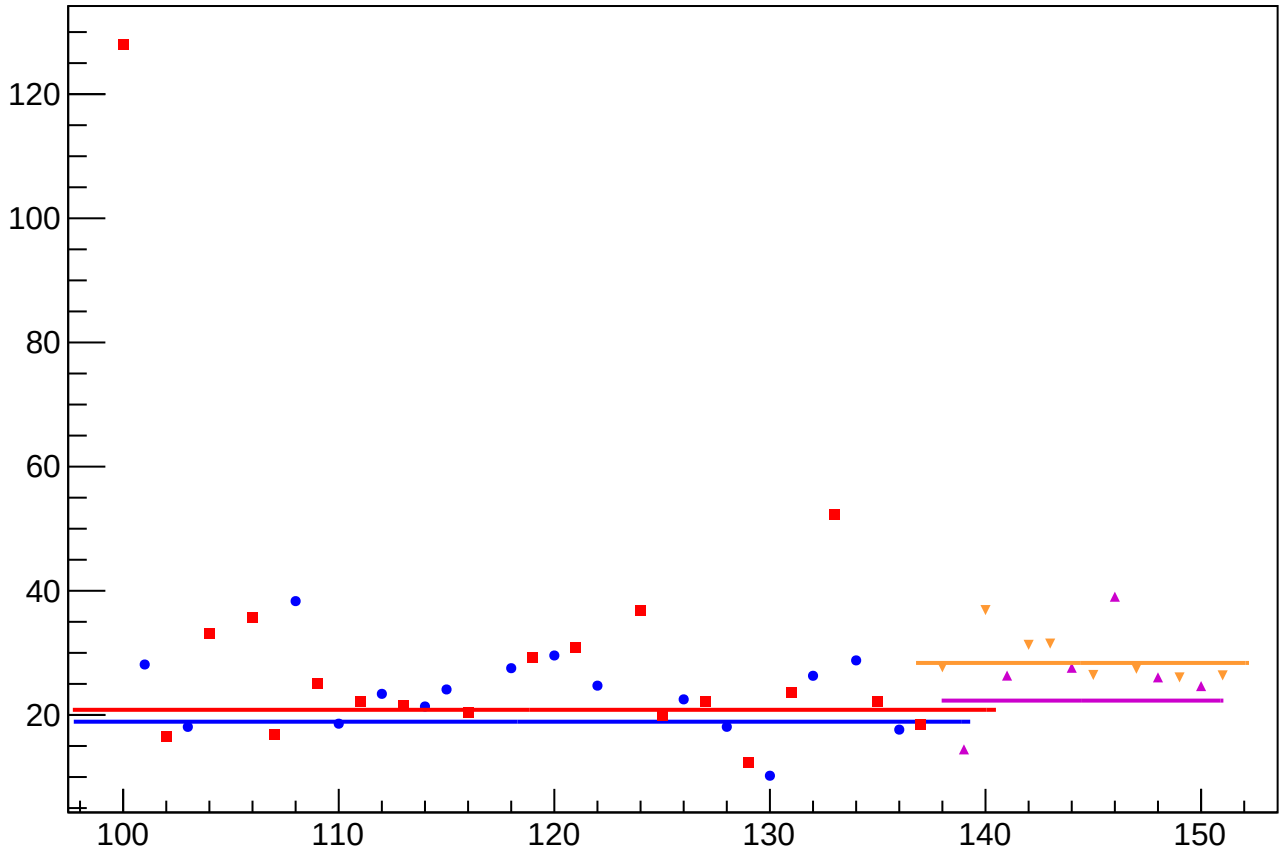
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.004+/-0.011 χ^2/NDF:5.1/5

+ sign 0.006+/-0.007 χ^2/NDF: 37.7/23

All: 0.009+/-0.005 χ^2/NDF: 57.8/48

- sign 0.012+/-0.007 χ^2/NDF: 19.6/24



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 28.378+/-0.008 χ^2/NDF:135942.8/7

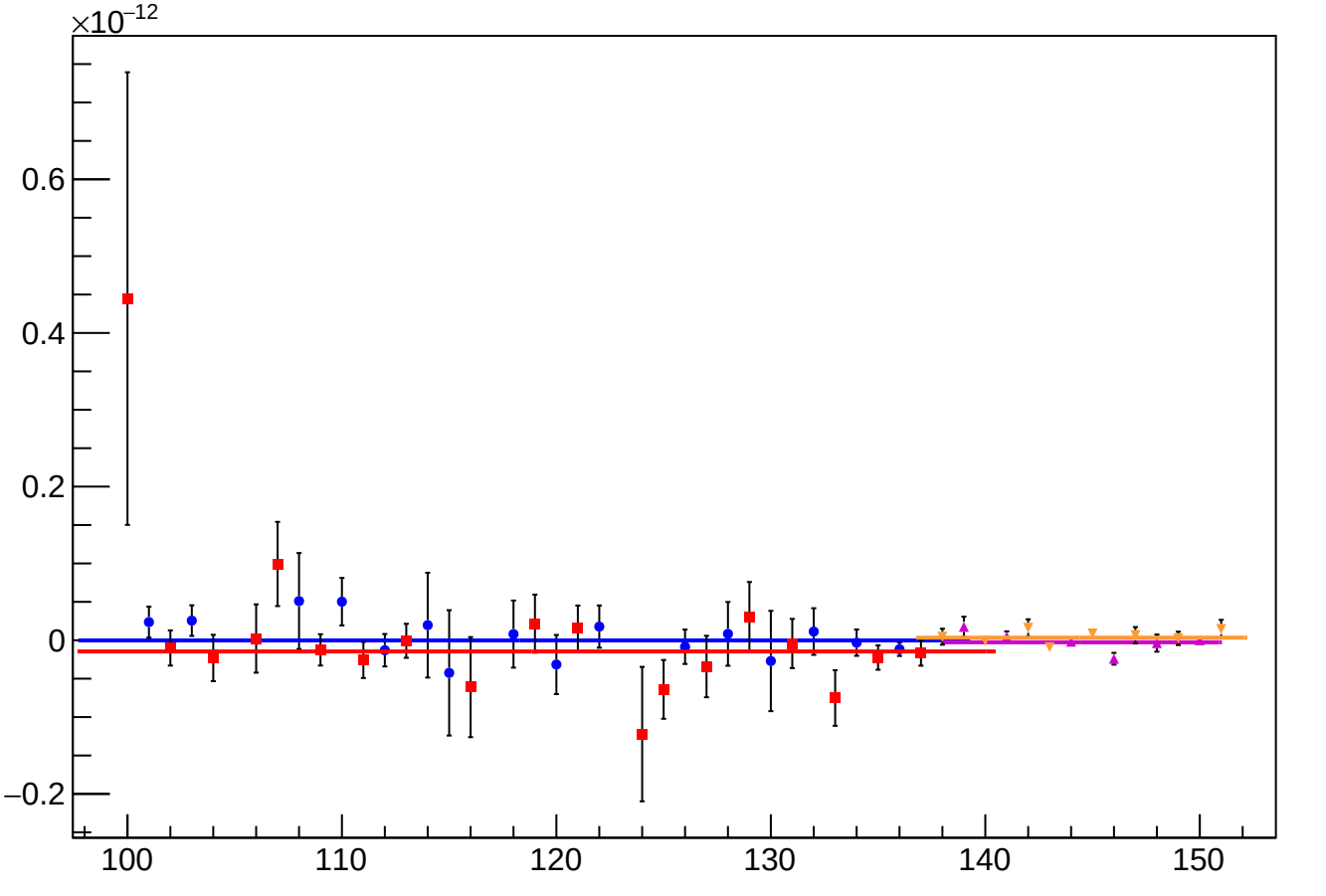
Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 22.311+/-0.008 χ^2/NDF:879139.9/5

+ sign 21.737+/-0.005 χ^2/NDF: 2404452.4/23

All: 21.572+/-0.003 χ^2/NDF: 4601668.6/48

- sign 21.403+/-0.005 χ^2/NDF: 2194621.3/24



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.7/7

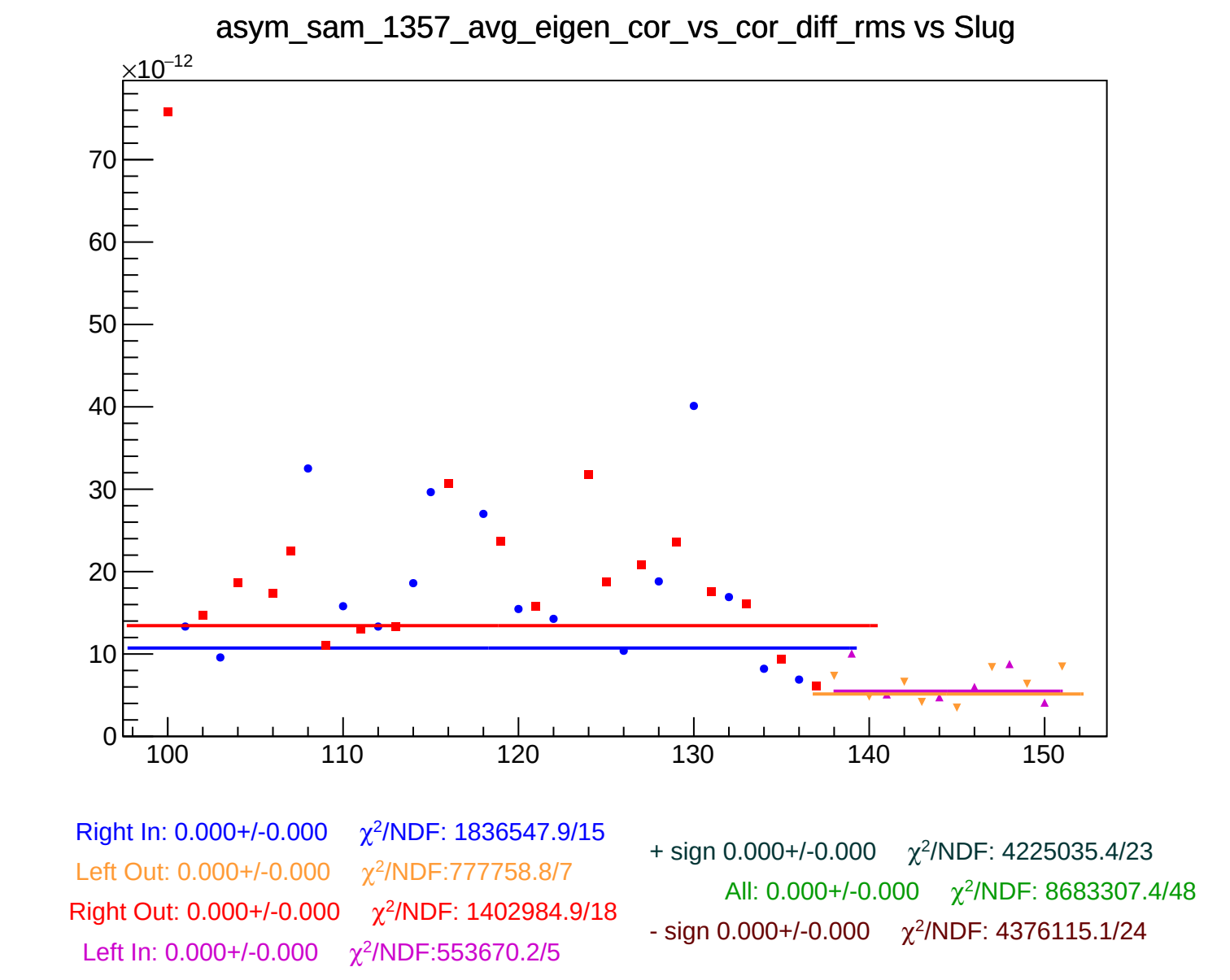
Right Out: -0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: -0.000+/-0.000 χ^2/NDF:11.7/5

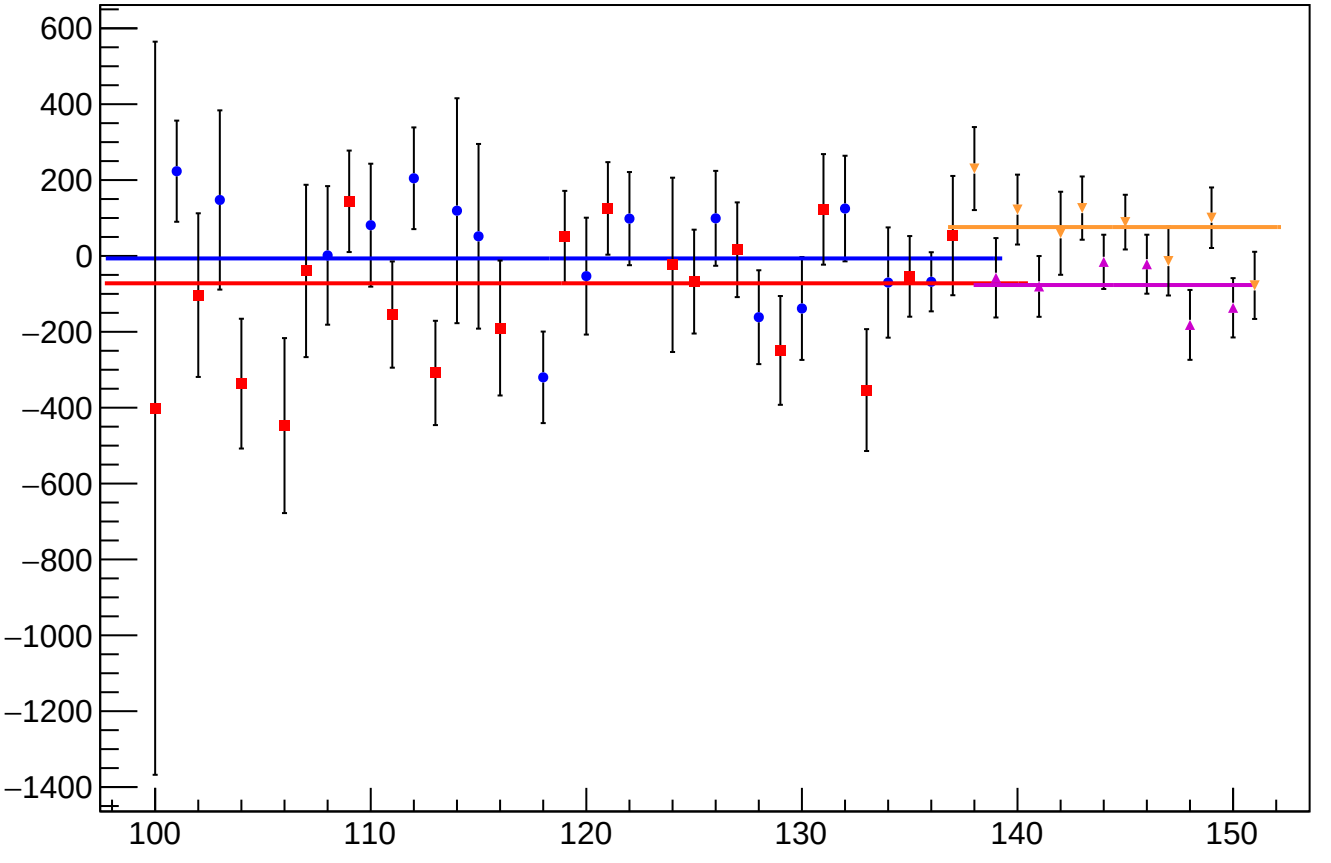
+ sign 0.000+/-0.000 χ^2/NDF: 18.5/23

All: -0.000+/-0.000 χ^2/NDF: 54.7/48

- sign -0.000+/-0.000 χ^2/NDF: 32.1/24


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
Right In: 0.000+/-0.000 χ²/NDF: 1836547.9/15
Left Out: 0.000+/-0.000 χ²/NDF:777758.8/7
Right Out: 0.000+/-0.000 χ²/NDF: 1402984.9/18
Left In: 0.000+/-0.000 χ²/NDF:553670.2/5
+ sign 0.000+/-0.000 χ²/NDF: 4225035.4/23
All: 0.000+/-0.000 χ²/NDF: 8683307.4/48
- sign 0.000+/-0.000 χ²/NDF: 4376115.1/24

reg_asym_sam_2468_avg_mean vs Slug



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 76.103+/-31.201 χ^2/NDF:6.7/7

Right Out: -72.124+/-34.883 χ^2/NDF: 22.8/18

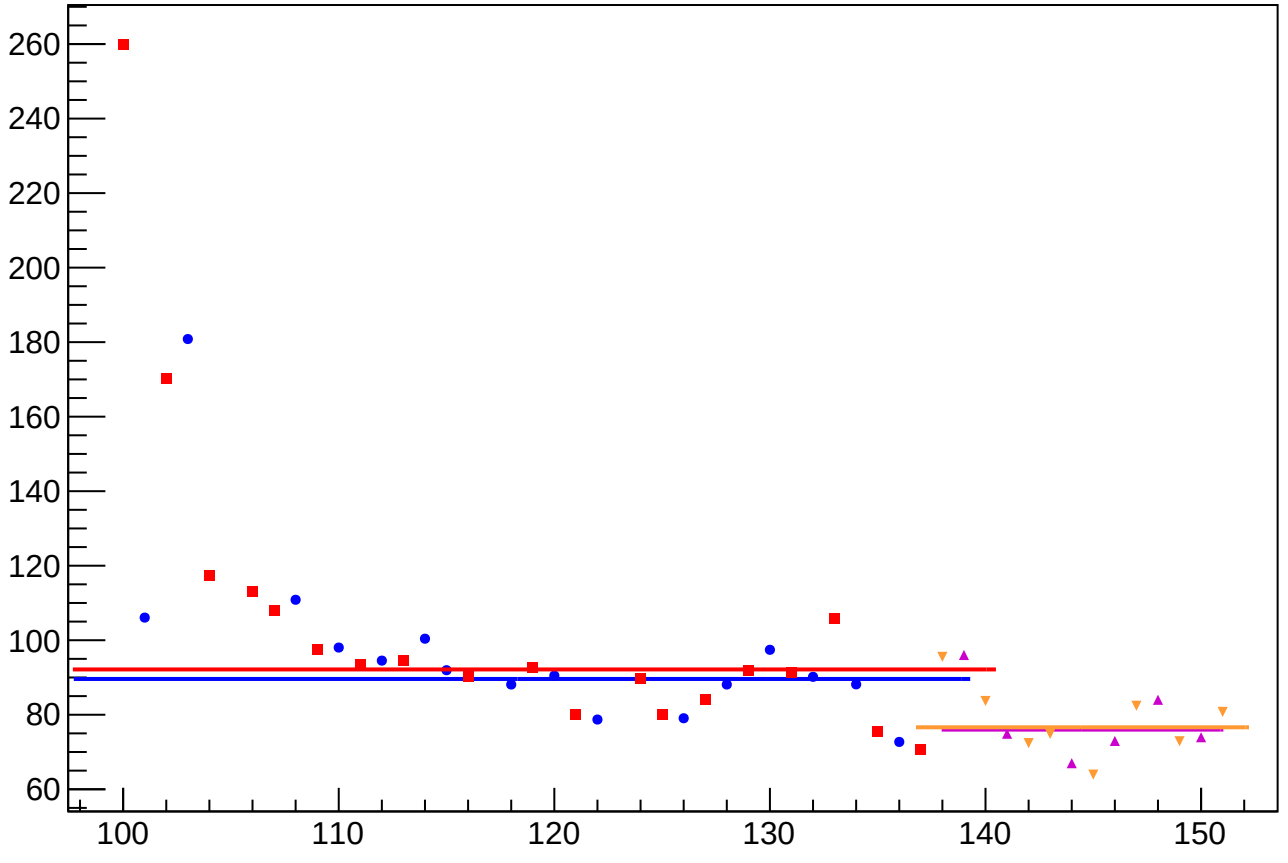
Left In: -76.661+/-33.527 χ^2/NDF:3.2/5

+ sign 38.657+/-23.076 χ^2/NDF: 28.8/23

All: -15.289+/-16.692 χ^2/NDF: 66.3/48

- sign -74.482+/-24.172 χ^2/NDF: 26.0/24

reg_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 76.629+/-0.022 χ^2/NDF:154287.7/7

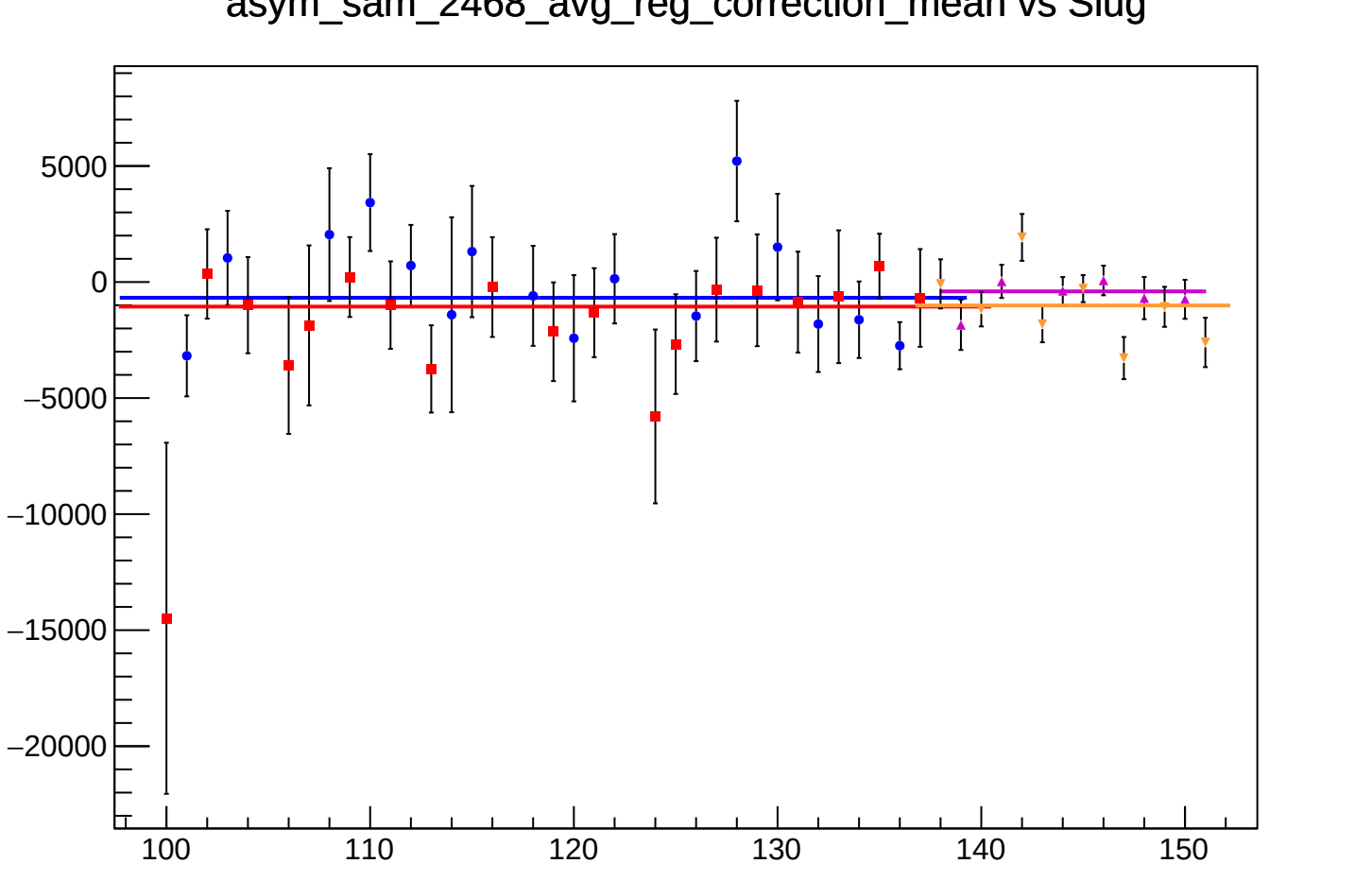
Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 76.012+/-0.024 χ^2/NDF:124945.2/5

+ sign 82.507+/-0.016 χ^2/NDF: 809328.2/23

All: 83.107+/-0.012 χ^2/NDF: 1702006.8/48

- sign 83.767+/-0.017 χ^2/NDF: 889835.7/24



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -1010.121+/-291.945 χ^2/NDF:20.4/7

Right Out: -1058.761+/-496.350 χ^2/NDF: 11.5/18

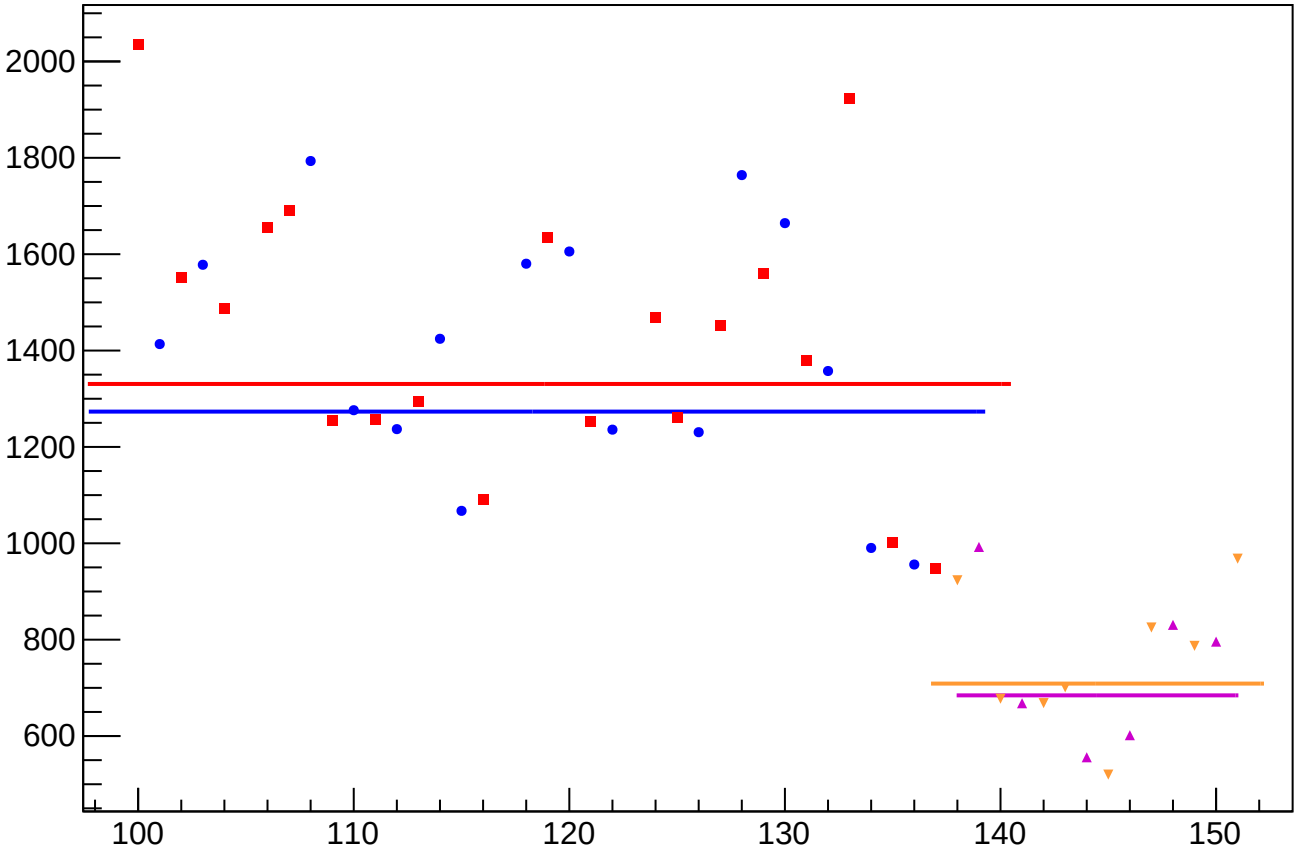
Left In: -402.912+/-305.342 χ^2/NDF:3.0/5

+ sign -922.018+/-250.328 χ^2/NDF: 41.0/23

All: -758.964+/-180.355 χ^2/NDF: 57.5/48

- sign -582.970+/-260.071 χ^2/NDF: 15.7/24

asym_sam_2468_avg_reg_correction_rms vs Slug



Right In: 1273.324+/-0.344 χ^2/NDF: 597520.6/15

Left Out: 708.862+/-0.206 χ^2/NDF:468076.1/7

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

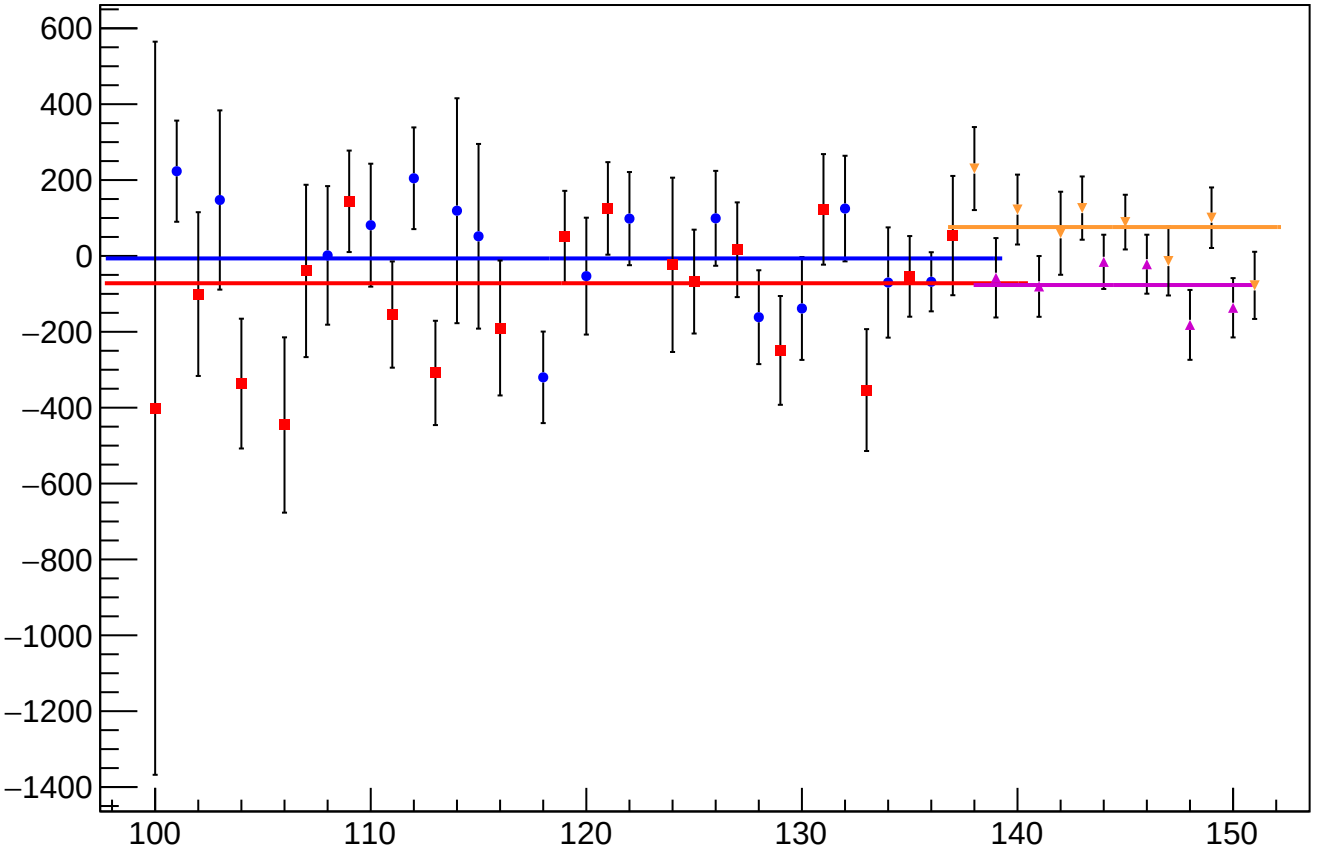
Left In: 684.439+/-0.216 χ^2/NDF:377392.6/5

+ sign 858.322+/-0.177 χ^2/NDF: 3045233.6/23

All: 860.024+/-0.128 χ^2/NDF: 6353090.7/48

- sign 861.860+/-0.184 χ^2/NDF: 3307664.8/24

cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 76.113+/-31.201 χ^2/NDF:6.7/7

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

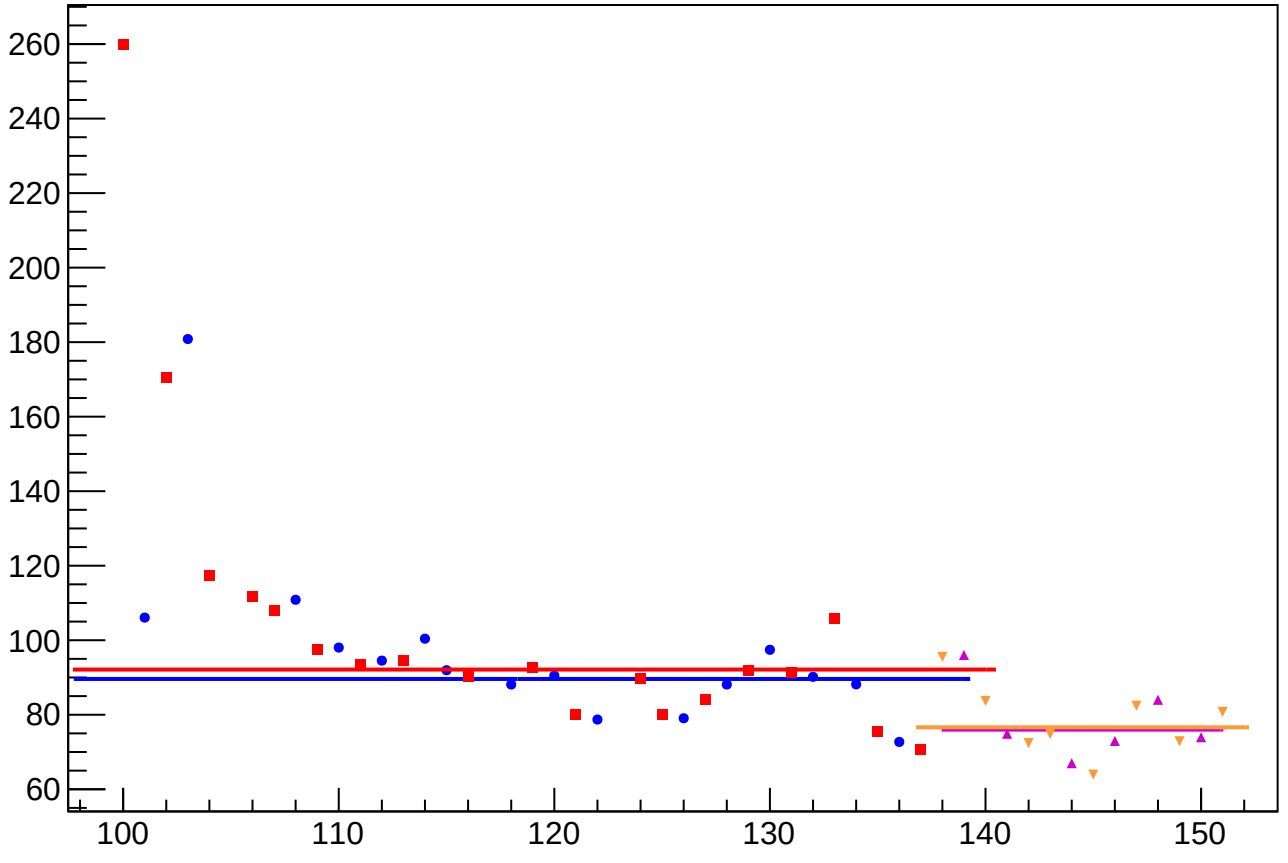
Left In: -76.663+/-33.527 χ^2/NDF:3.2/5

+ sign 38.658+/-23.076 χ^2/NDF: 28.8/23

All: -15.255+/-16.692 χ^2/NDF: 66.2/48

- sign -74.415+/-24.173 χ^2/NDF: 25.9/24

cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.629+/-0.022 χ^2/NDF:154287.7/7

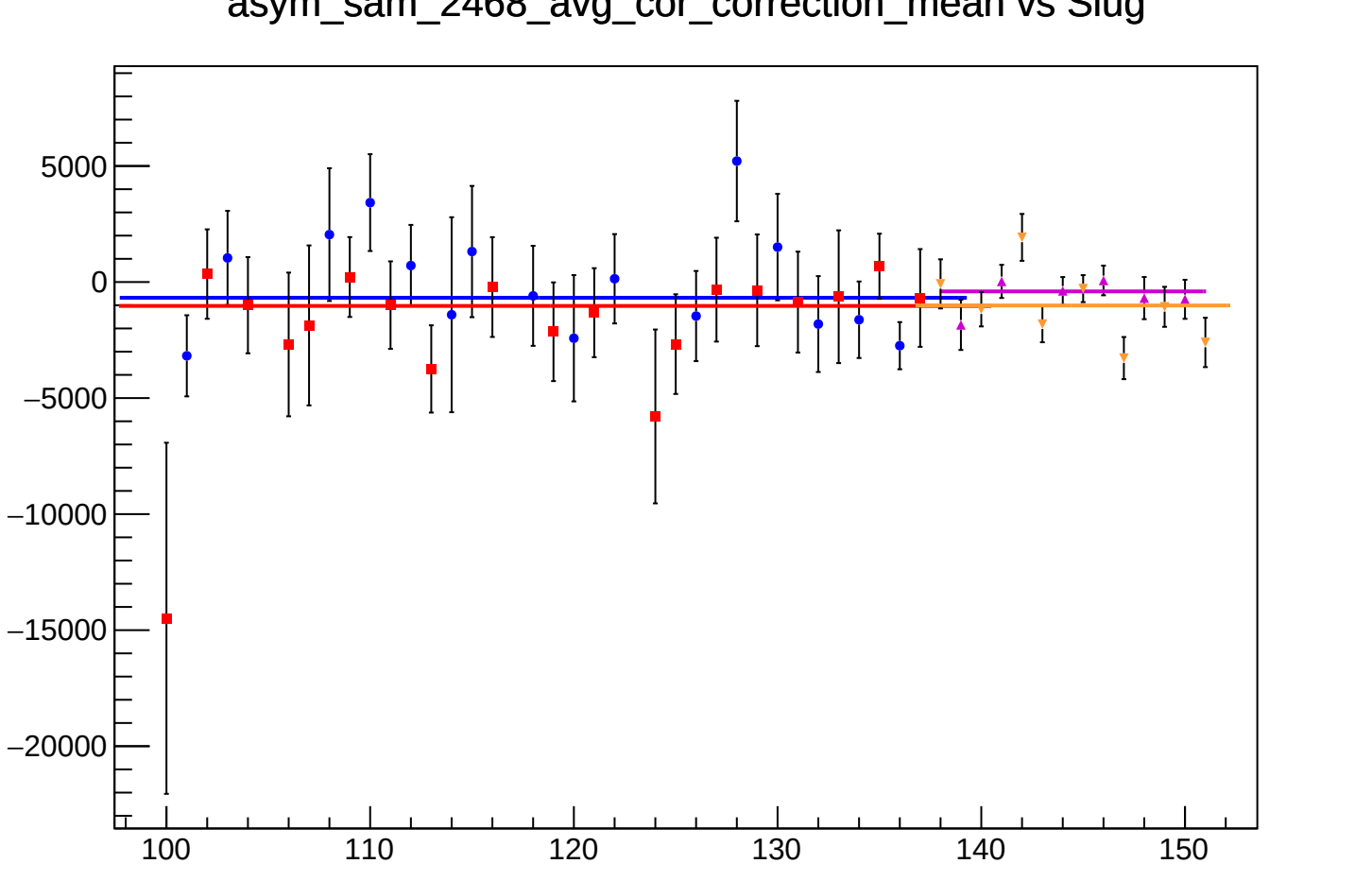
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 76.012+/-0.024 χ^2/NDF:124945.2/5

+ sign 82.507+/-0.016 χ^2/NDF: 809331.8/23

All: 83.100+/-0.012 χ^2/NDF: 1699284.9/48

- sign 83.751+/-0.017 χ^2/NDF: 887180.8/24



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -1010.111+/-291.945 χ^2/NDF:20.4/7

Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

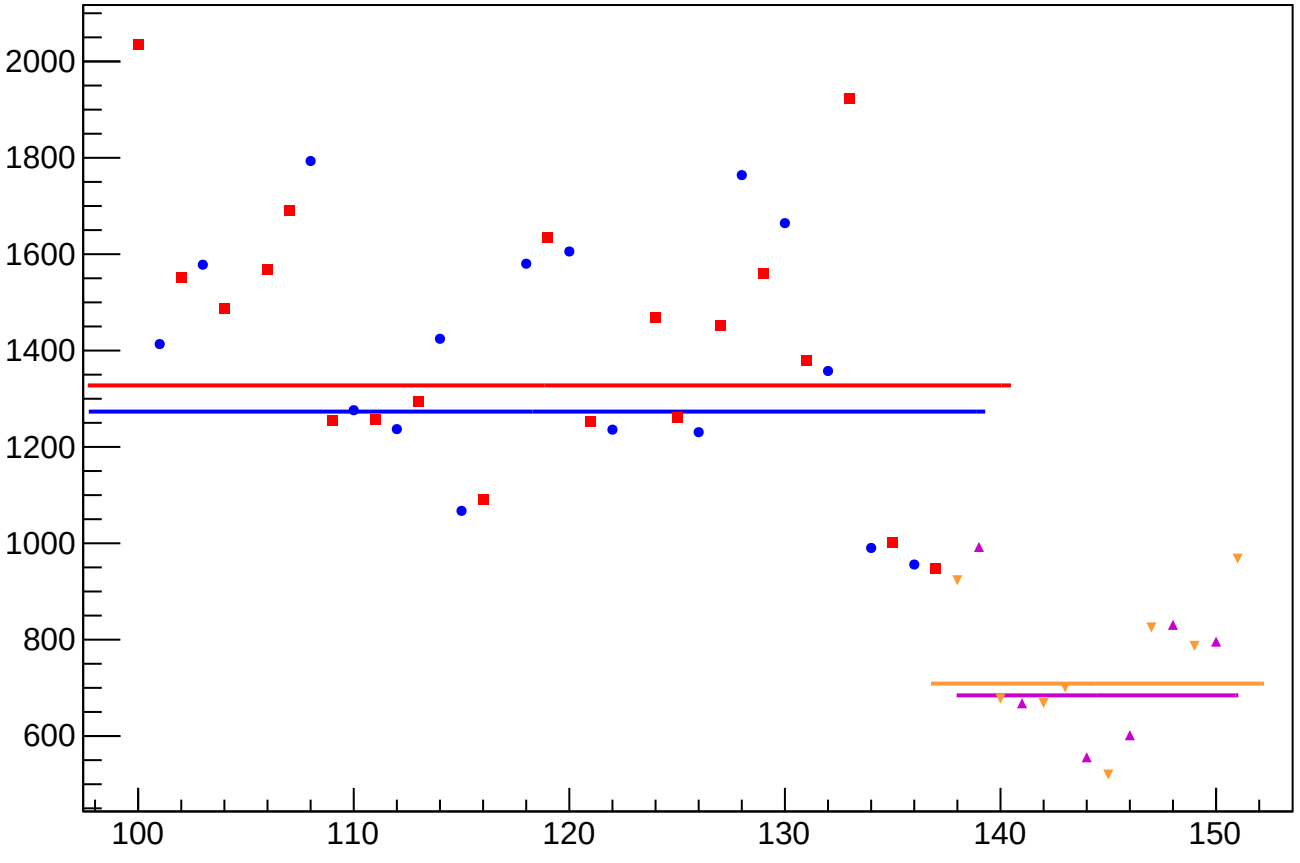
Left In: -402.919+/-305.342 χ^2/NDF:3.0/5

+ sign -922.001+/-250.328 χ^2/NDF: 41.0/23

All: -754.983+/-180.387 χ^2/NDF: 57.0/48

- sign -574.578+/-260.167 χ^2/NDF: 15.1/24

asym_sam_2468_avg_cor_correction_rms vs Slug



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 708.862+/-0.206 χ^2/NDF:468078.7/7

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

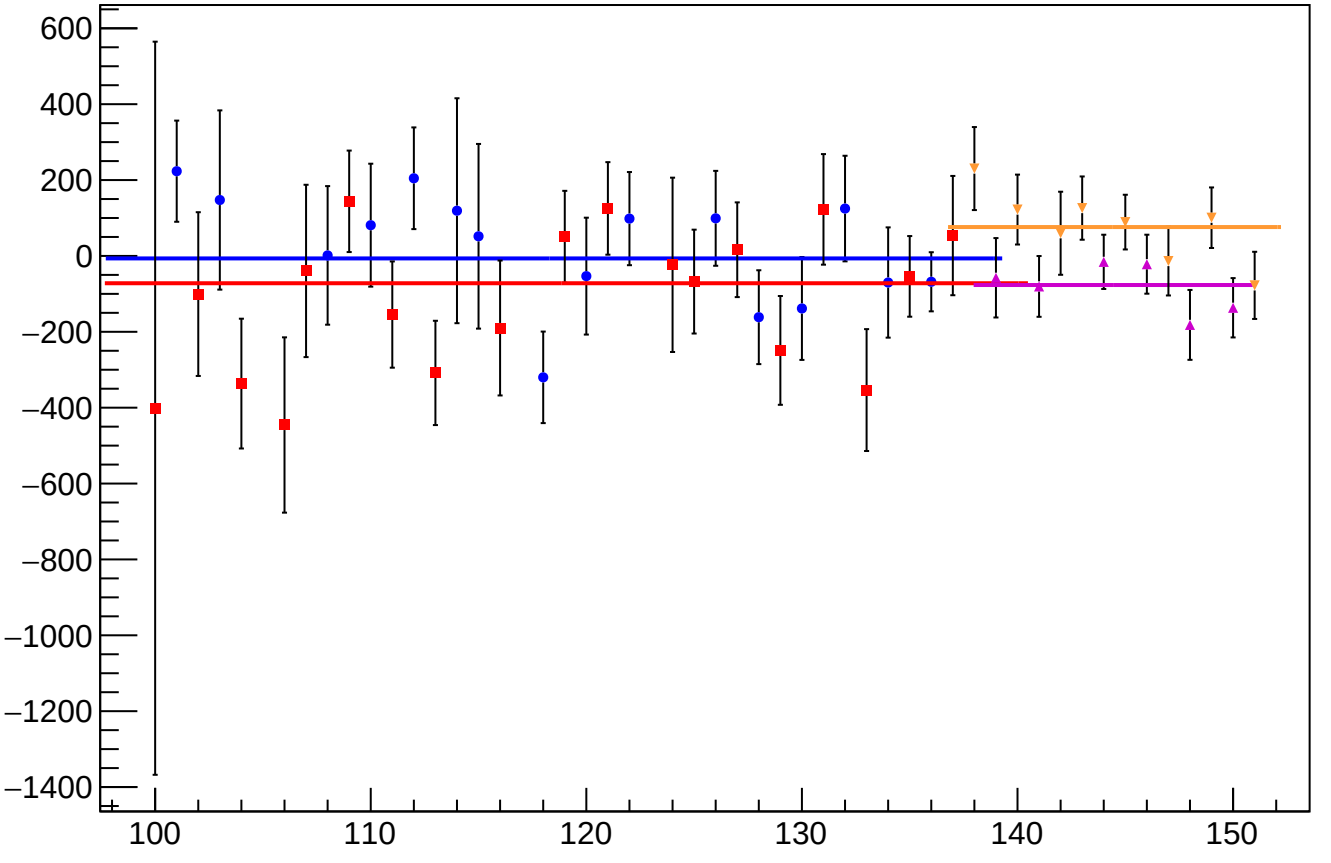
Left In: 684.440+/-0.216 χ^2/NDF:377391.6/5

+ sign 858.321+/-0.177 χ^2/NDF: 3045279.5/23

All: 859.458+/-0.128 χ^2/NDF: 6313101.6/48

- sign 860.687+/-0.184 χ^2/NDF: 3267736.3/24

eigen_cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 76.113+/-31.201 χ^2/NDF:6.7/7

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

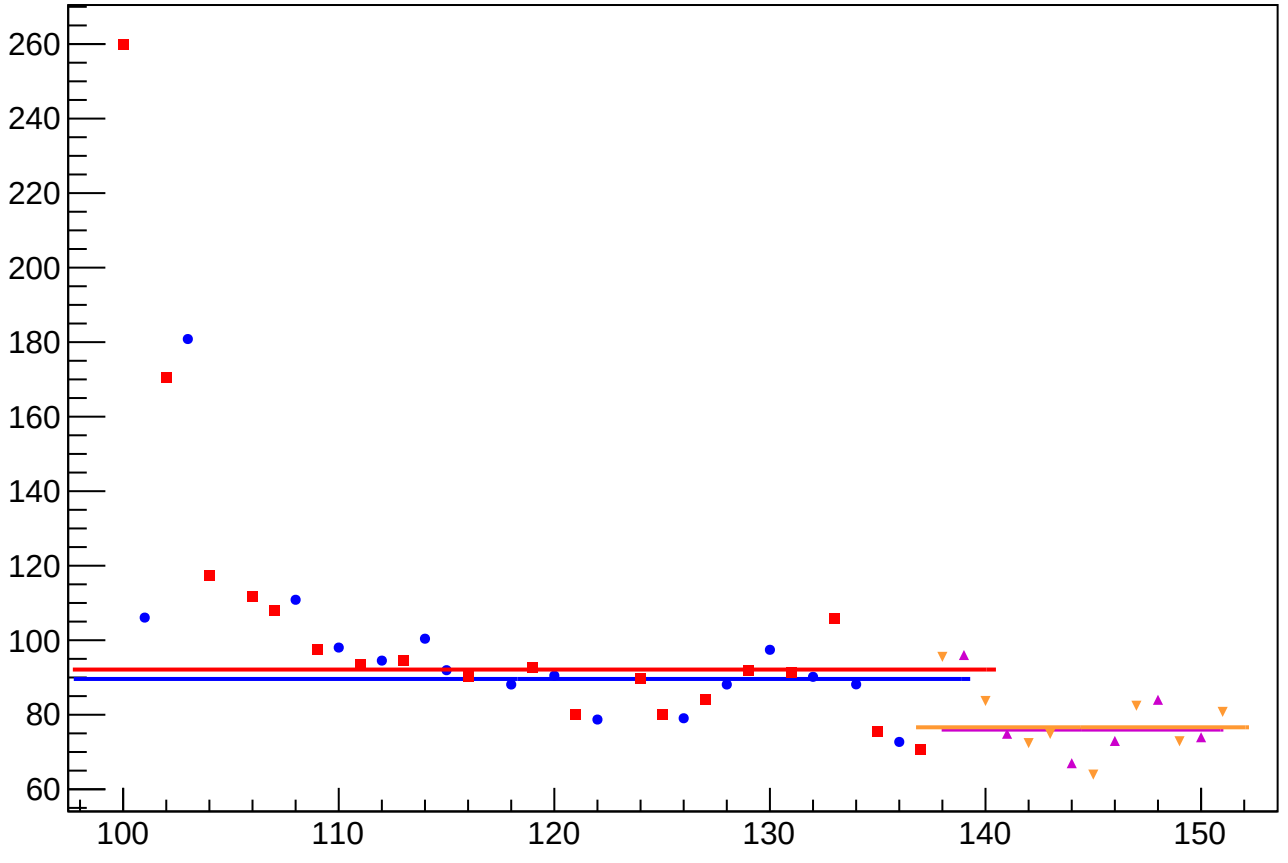
Left In: -76.663+/-33.527 χ^2/NDF:3.2/5

+ sign 38.658+/-23.076 χ^2/NDF: 28.8/23

All: -15.255+/-16.692 χ^2/NDF: 66.2/48

- sign -74.415+/-24.173 χ^2/NDF: 25.9/24

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.629+/-0.022 χ^2/NDF:154287.7/7

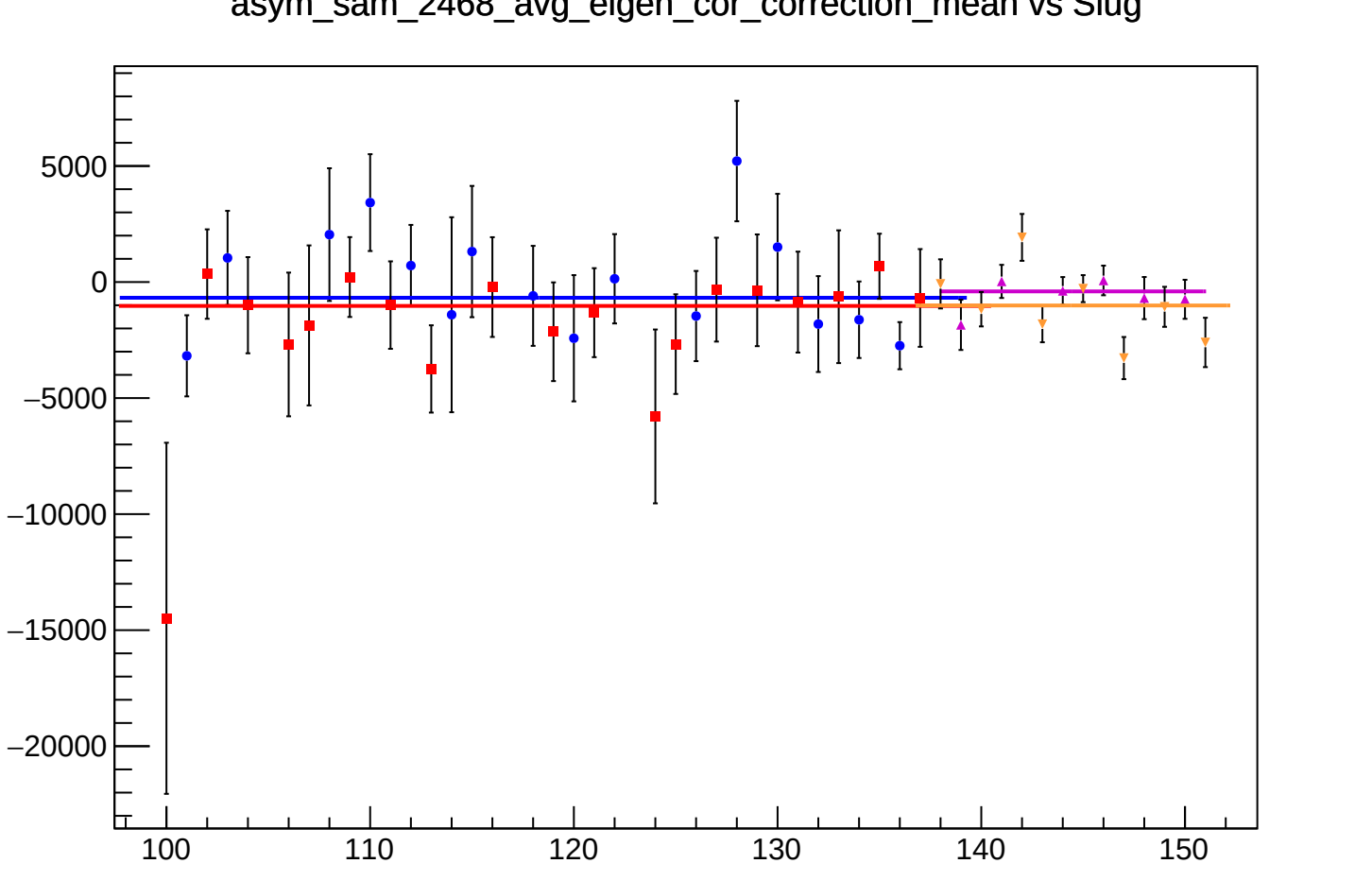
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 76.012+/-0.024 χ^2/NDF:124945.2/5

+ sign 82.507+/-0.016 χ^2/NDF: 809331.8/23

All: 83.100+/-0.012 χ^2/NDF: 1699284.9/48

- sign 83.751+/-0.017 χ^2/NDF: 887180.8/24



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -1010.111+/-291.945 χ^2/NDF:20.4/7

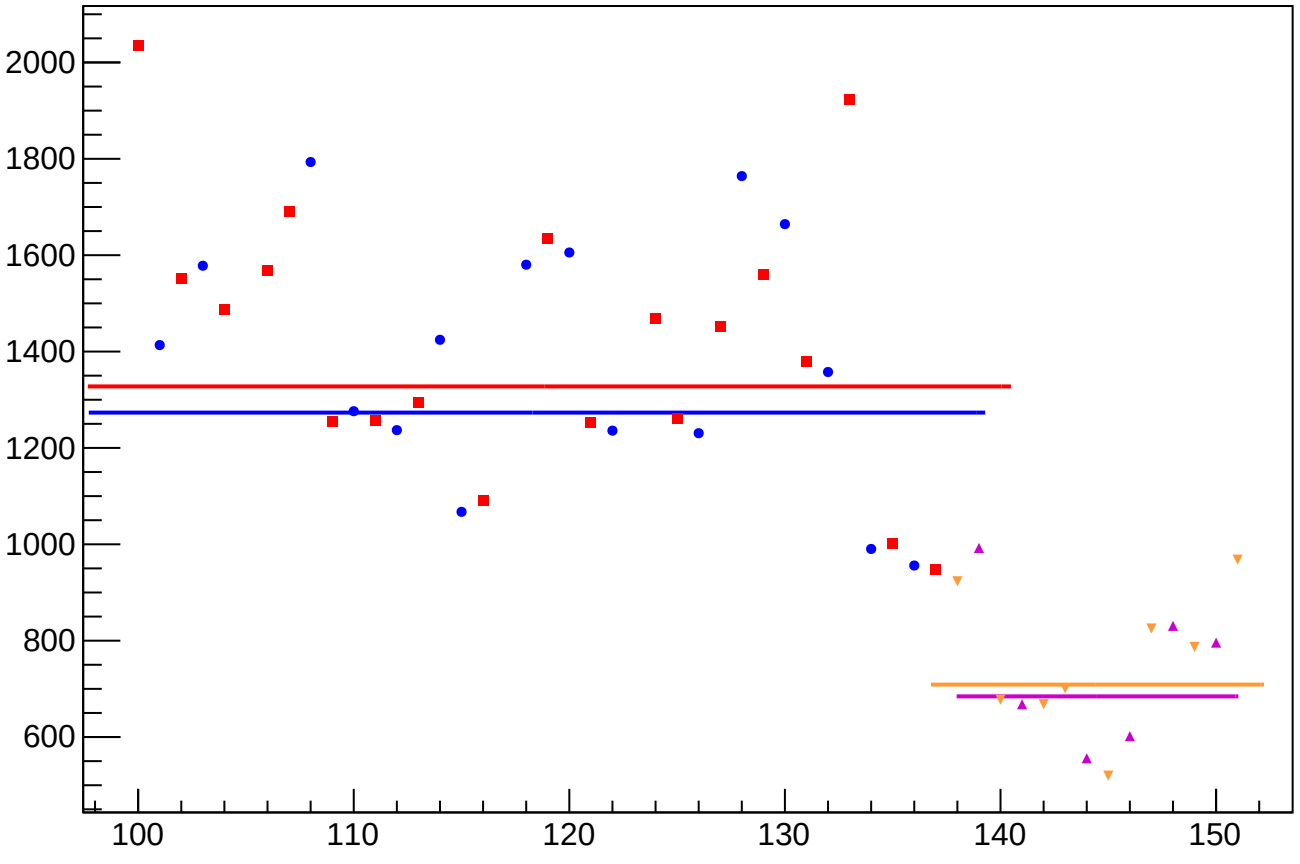
Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: -402.919+/-305.342 χ^2/NDF:3.0/5

+ sign -922.001+/-250.328 χ^2/NDF: 41.0/23

All: -754.983+/-180.387 χ^2/NDF: 57.0/48

- sign -574.578+/-260.167 χ^2/NDF: 15.1/24



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 708.862+/-0.206 χ^2/NDF:468078.7/7

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

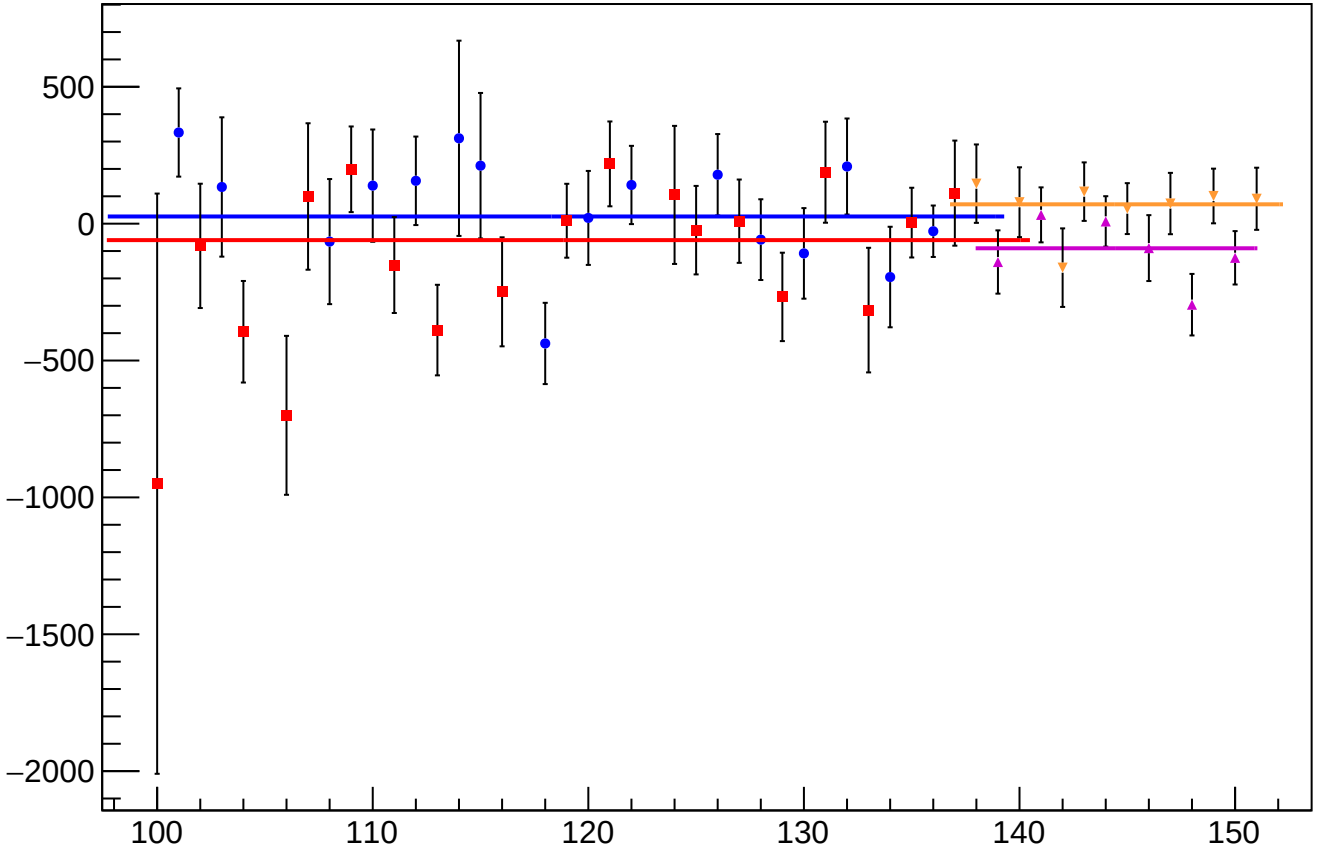
Left In: 684.440+/-0.216 χ^2/NDF:377391.6/5

+ sign 858.321+/-0.177 χ^2/NDF: 3045279.5/23

All: 859.458+/-0.128 χ^2/NDF: 6313101.6/48

- sign 860.687+/-0.184 χ^2/NDF: 3267736.3/24

dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 70.688+/-40.175 χ^2/NDF:3.2/7

Right Out: -60.119+/-41.528 χ^2/NDF: 27.0/18

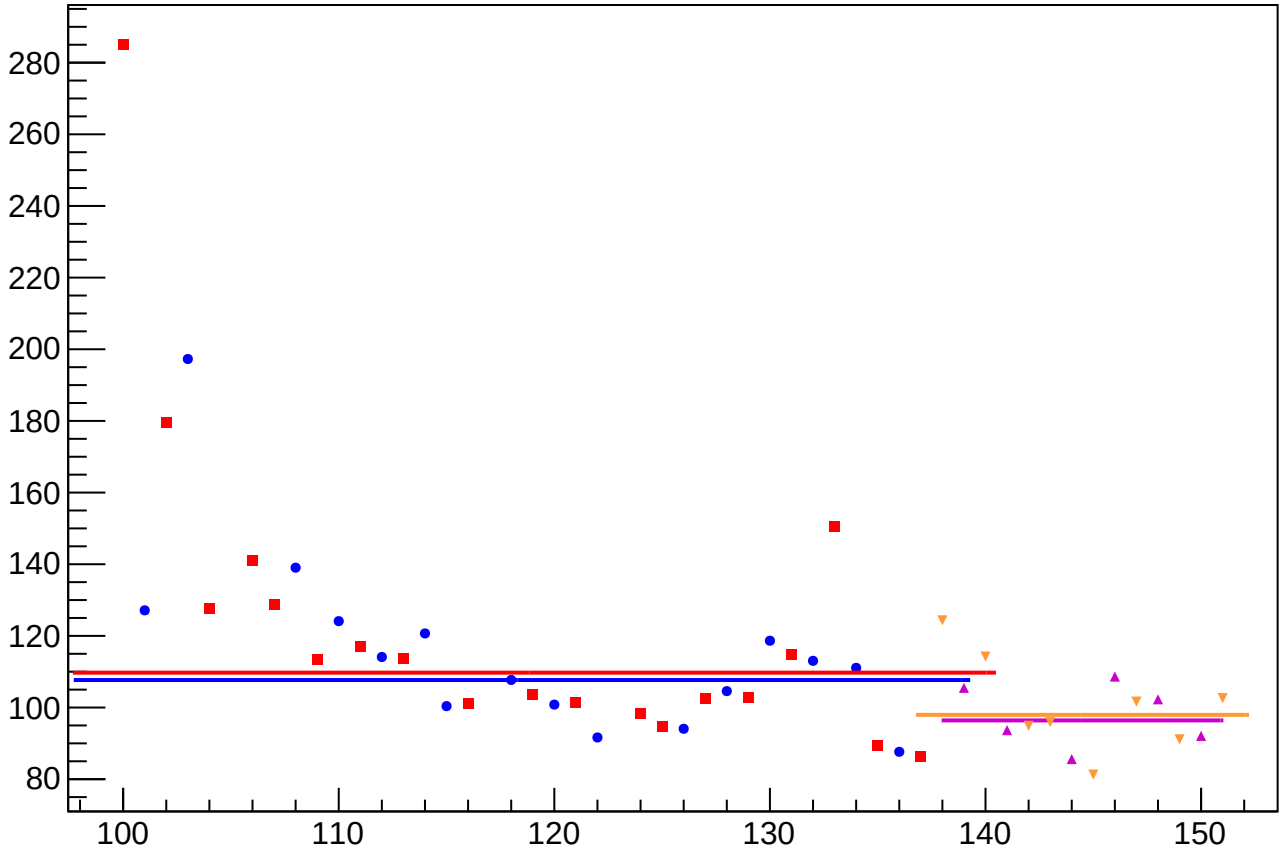
Left In: -89.913+/-42.828 χ^2/NDF:6.3/5

+ sign 49.040+/-28.770 χ^2/NDF: 25.2/23

All: -10.558+/-20.703 χ^2/NDF: 67.6/48

- sign -74.557+/-29.814 χ^2/NDF: 33.5/24

dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 97.960+/-0.028 χ^2/NDF:181162.7/7

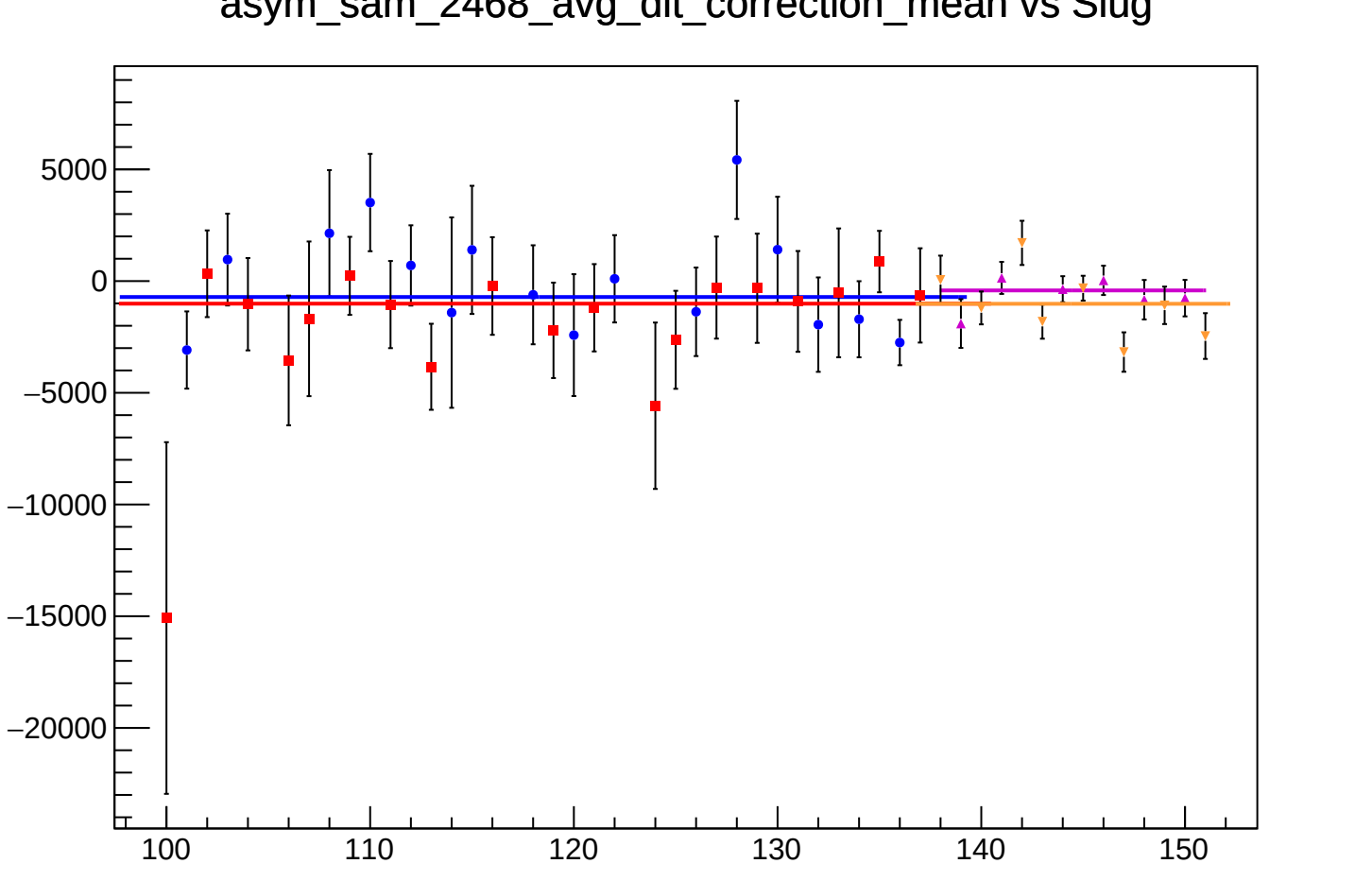
Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 96.404+/-0.030 χ^2/NDF:71355.0/5

+ sign 102.695+/-0.020 χ^2/NDF: 721322.7/23

All: 102.976+/-0.015 χ^2/NDF: 1384796.9/48

- sign 103.277+/-0.021 χ^2/NDF: 663079.3/24



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -1016.850+/-284.867 χ^2/NDF:19.3/7

Right Out: -1010.557+/-501.374 χ^2/NDF: 11.8/18

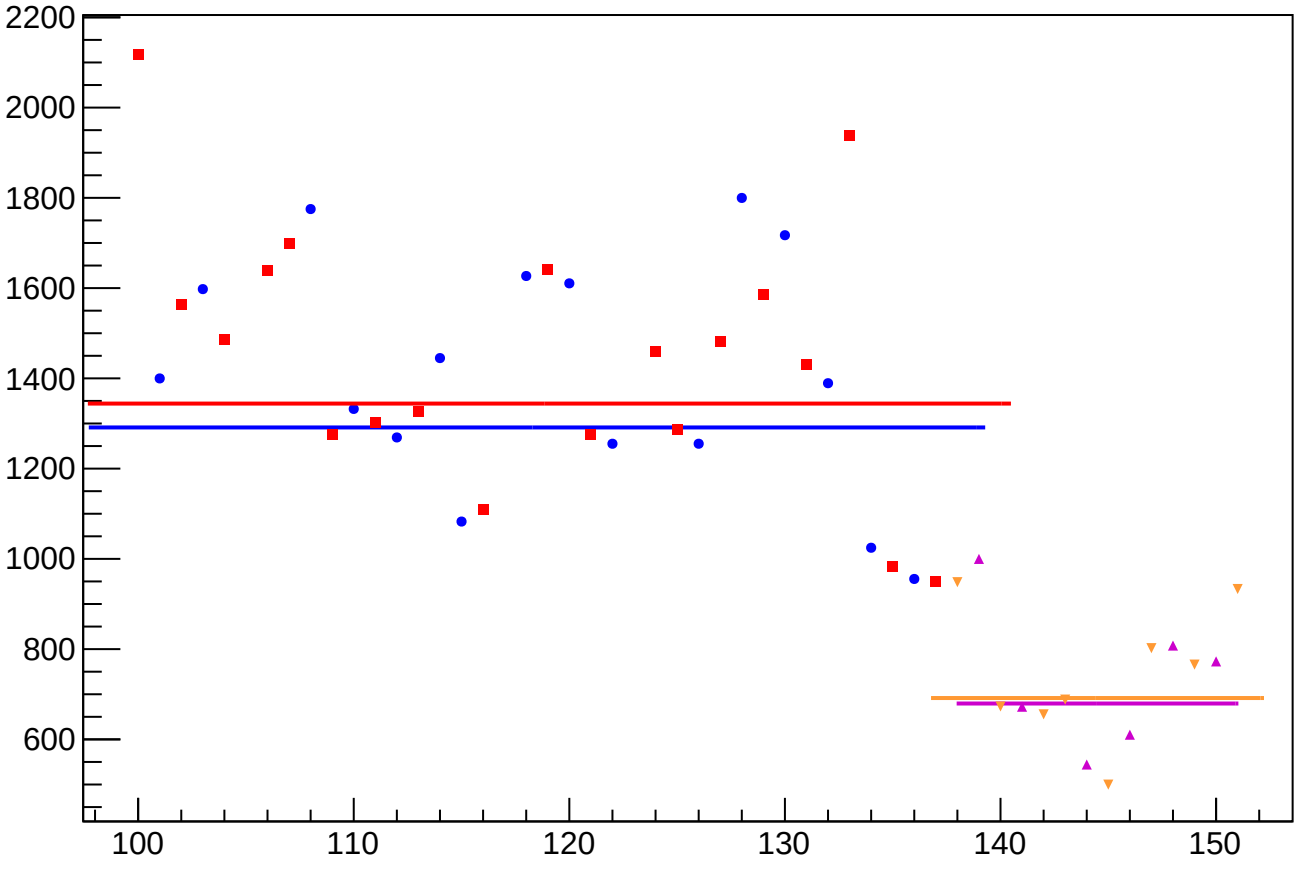
Left In: -417.943+/-303.509 χ^2/NDF:3.3/5

+ sign -940.825+/-246.683 χ^2/NDF: 39.7/23

All: -768.156+/-178.837 χ^2/NDF: 56.8/48

- sign -576.869+/-259.642 χ^2/NDF: 16.1/24

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

Left Out: 691.636+/-0.201 χ^2/NDF:512251.5/7

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

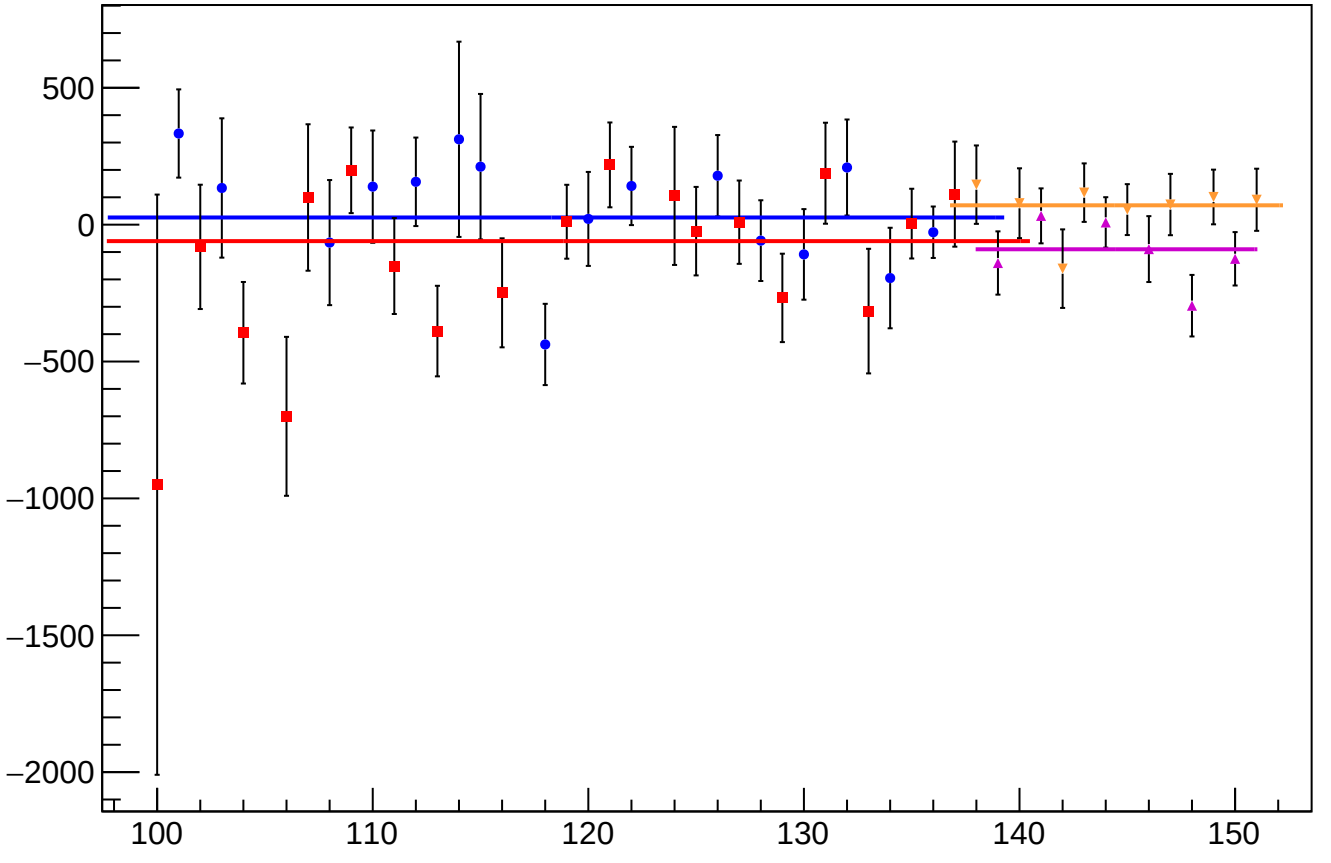
Left In: 679.492+/-0.215 χ^2/NDF:372045.1/5

+ sign 841.602+/-0.174 χ^2/NDF: 3339250.9/23

All: 849.254+/-0.126 χ^2/NDF: 6778285.9/48

- sign 857.731+/-0.184 χ^2/NDF: 3434978.6/24

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 70.688+/-40.175 χ^2/NDF:3.2/7

Right Out: -60.117+/-41.528 χ^2/NDF: 27.0/18

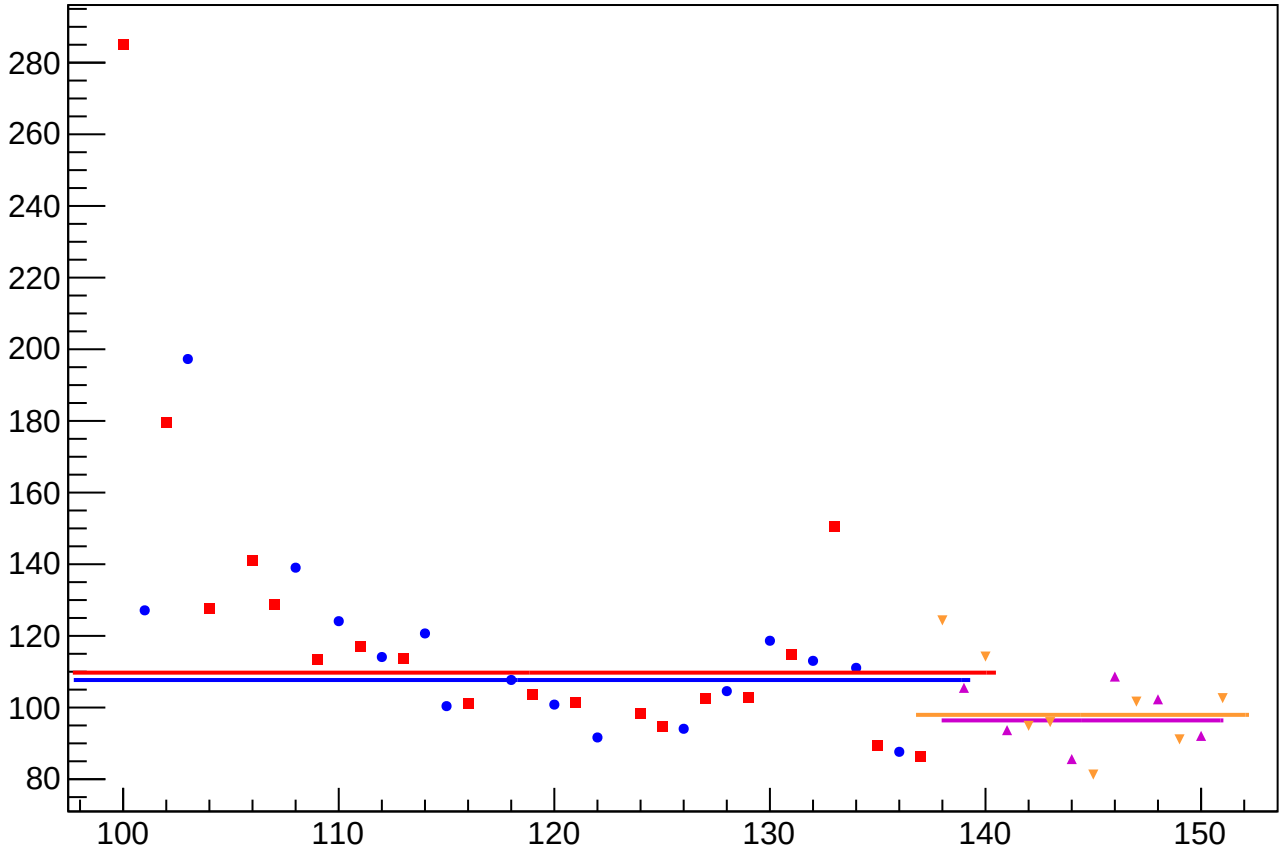
Left In: -89.912+/-42.828 χ^2/NDF:6.3/5

\+ sign 49.040+/-28.770 χ^2/NDF: 25.2/23

All: -10.557+/-20.703 χ^2/NDF: 67.6/48

\- sign -74.556+/-29.814 χ^2/NDF: 33.5/24

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.679+/-0.029 χ^2/NDF: 483112.2/15

Left Out: 97.960+/-0.028 χ^2/NDF:181150.4/7

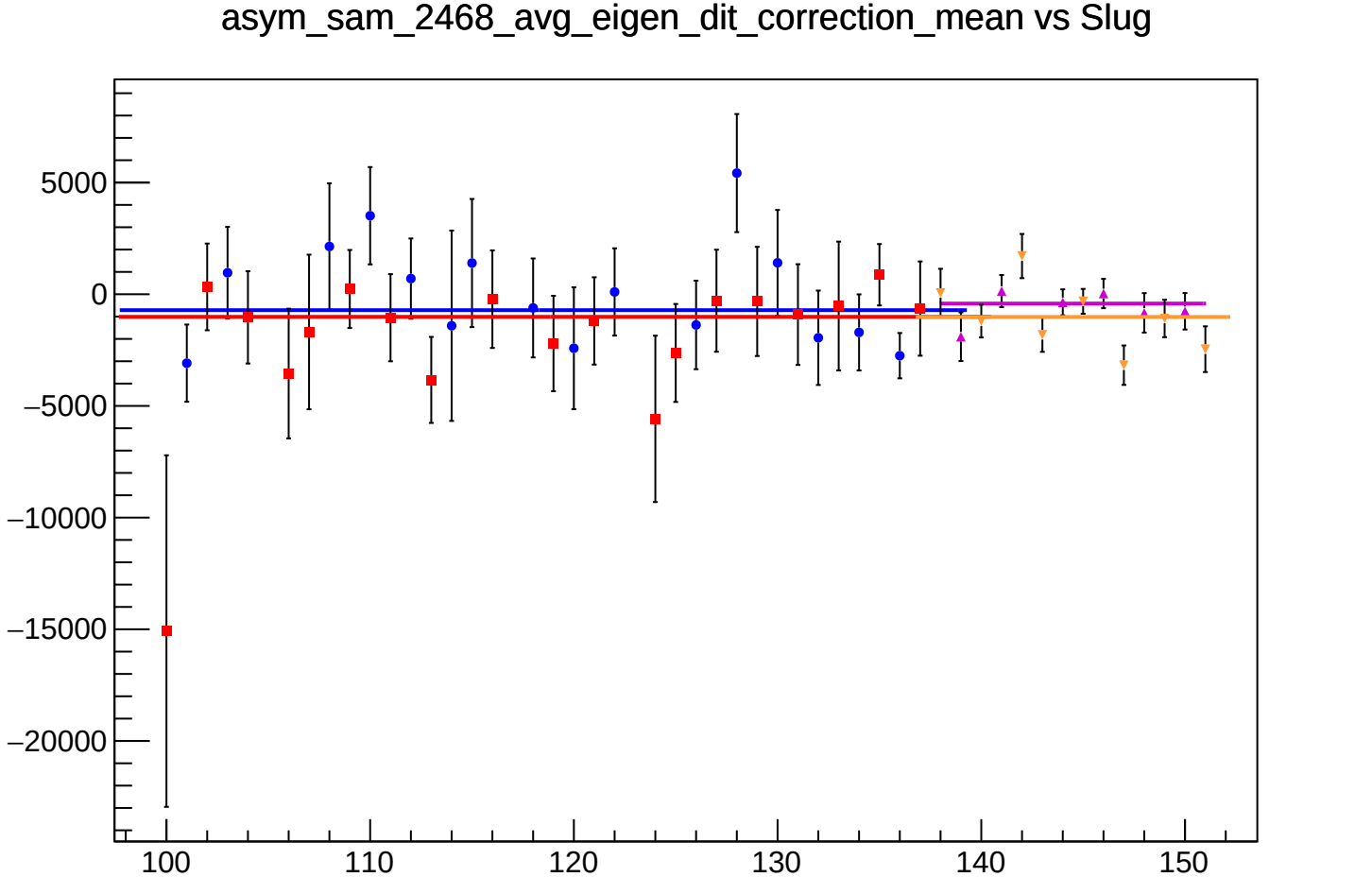
Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

Left In: 96.405+/-0.030 χ^2/NDF:71352.9/5

+ sign 102.695+/-0.020 χ^2/NDF: 721282.8/23

All: 102.976+/-0.015 χ^2/NDF: 1384737.6/48

- sign 103.277+/-0.021 χ^2/NDF: 663060.0/24



Right In: -712.881+/-493.252 χ^2/NDF: 20.1/15

Left Out: -1016.850+/-284.866 χ^2/NDF:19.3/7

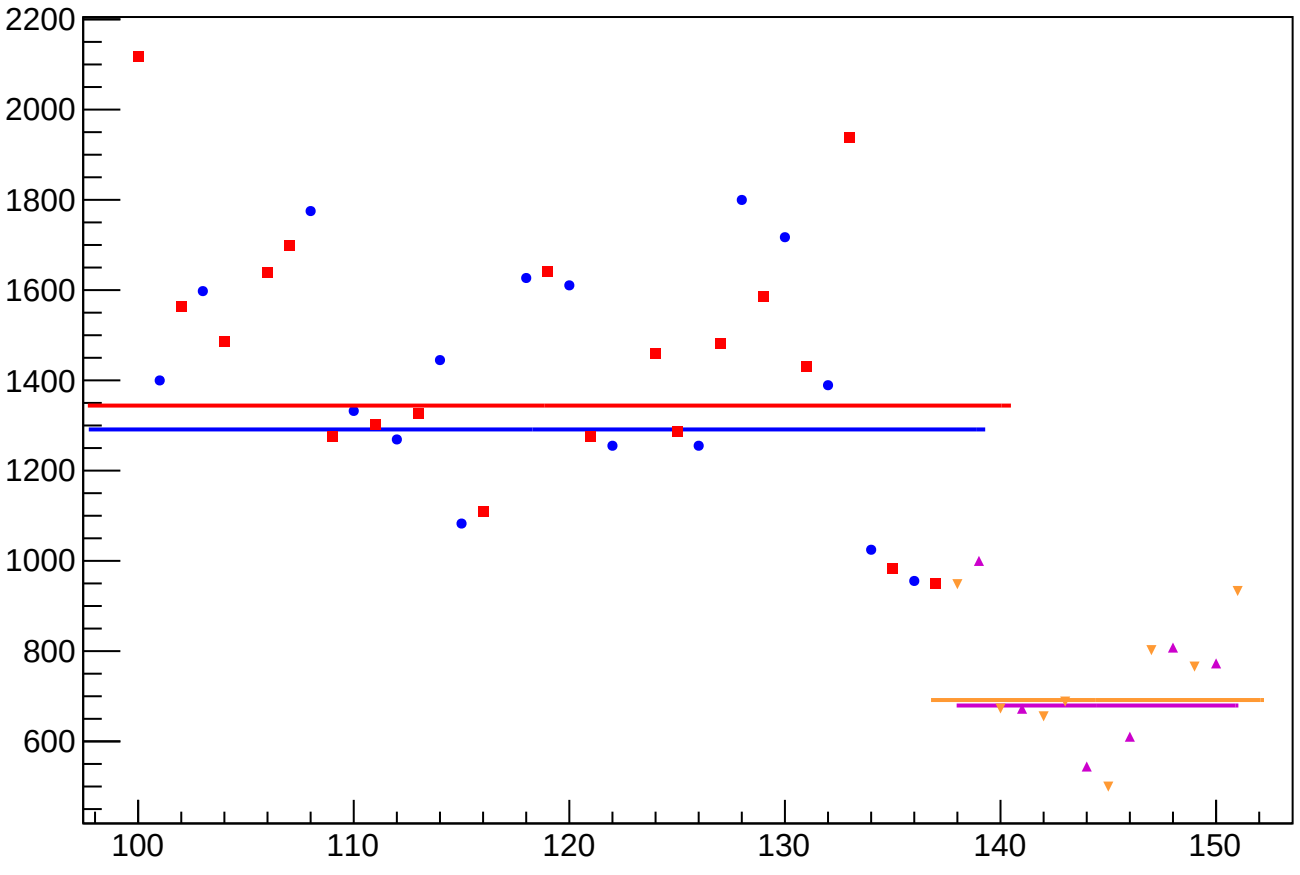
Right Out: -1010.556+/-501.373 χ^2/NDF: 11.8/18

Left In: -417.942+/-303.509 χ^2/NDF:3.3/5

\+ sign -940.823+/-246.682 χ^2/NDF: 39.7/23

All: -768.155+/-178.837 χ^2/NDF: 56.8/48

\- sign -576.869+/-259.641 χ^2/NDF: 16.1/24



Right In: 1291.220+/-0.349 χ^2/NDF: 610894.9/15

Left Out: 691.634+/-0.201 χ^2/NDF:512255.7/7

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

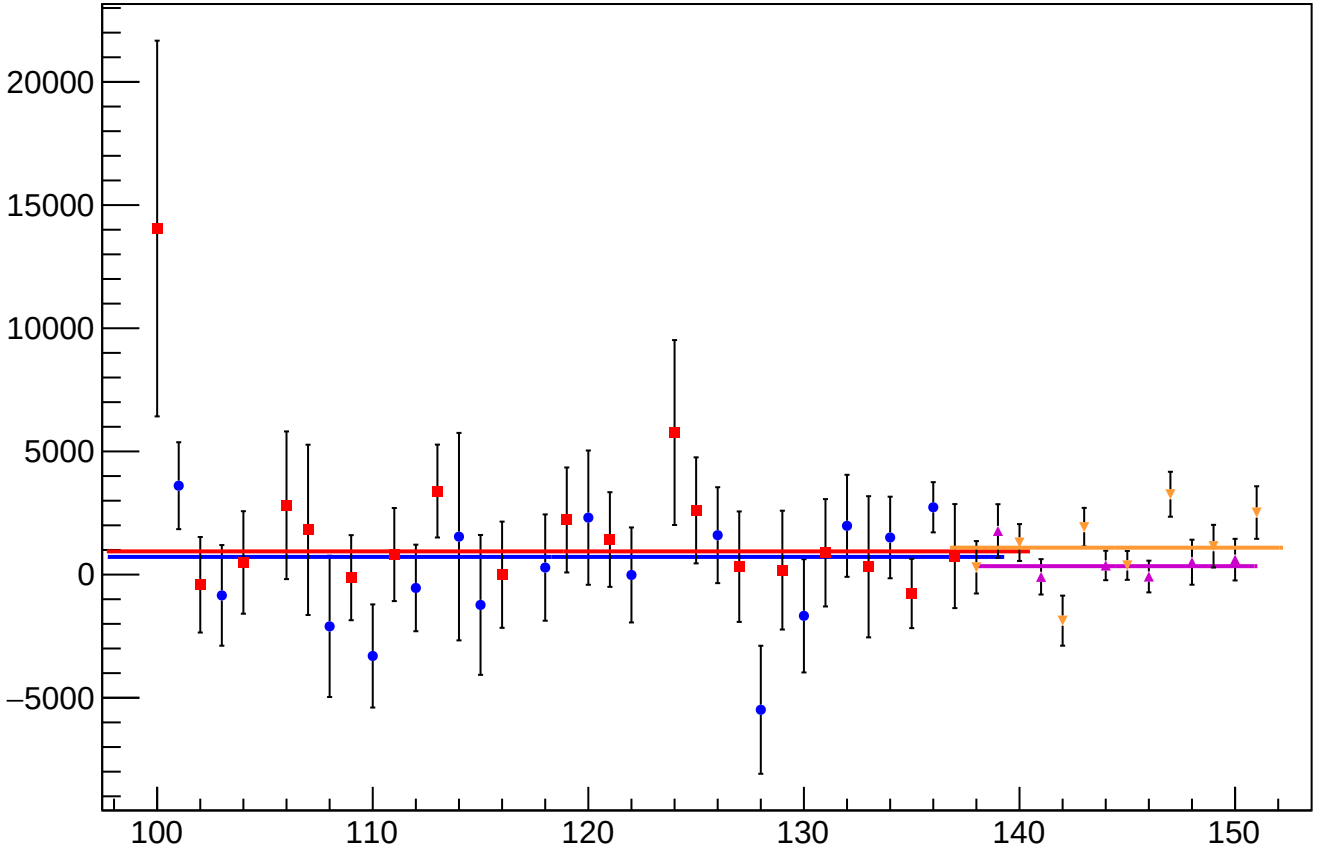
Left In: 679.491+/-0.215 χ^2/NDF:372044.5/5

\+ sign 841.600+/-0.174 χ^2/NDF: 3339254.0/23

All: 849.252+/-0.126 χ^2/NDF: 6778282.1/48

\- sign 857.730+/-0.184 χ^2/NDF: 3434971.3/24

asym_sam_2468_avg_mean vs Slug



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 1093.189+/-293.770 χ^2/NDF:19.2/7

Right Out: 942.308+/-498.052 χ^2/NDF: 10.6/18

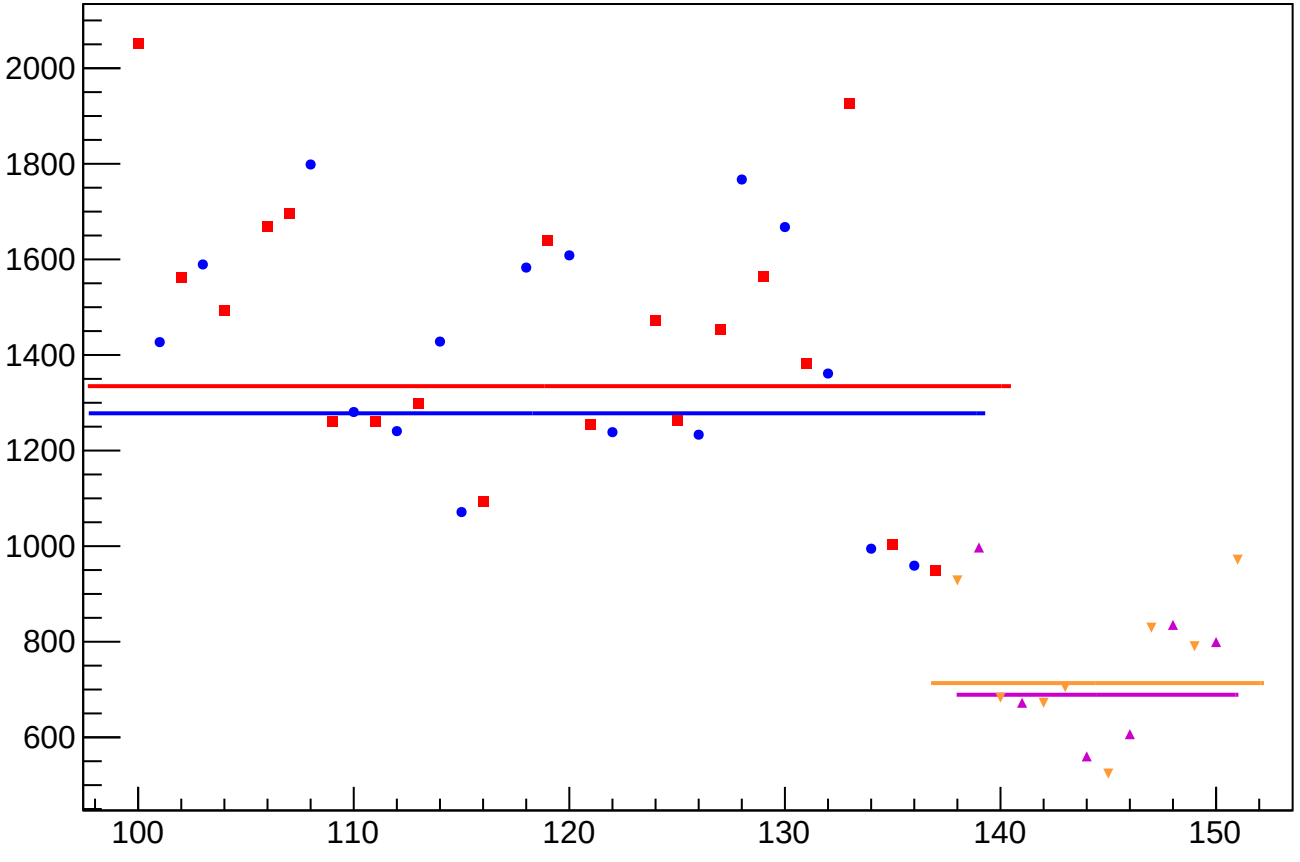
Left In: 342.490+/-307.337 χ^2/NDF:2.7/5

+ sign 993.360+/-251.717 χ^2/NDF: 40.6/23

All: 759.927+/-181.367 χ^2/NDF: 56.7/48

- sign 507.904+/-261.548 χ^2/NDF: 14.3/24

asym_sam_2468_avg_rms vs Slug



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 713.475+/-0.208 χ^2/NDF:462121.3/7

Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

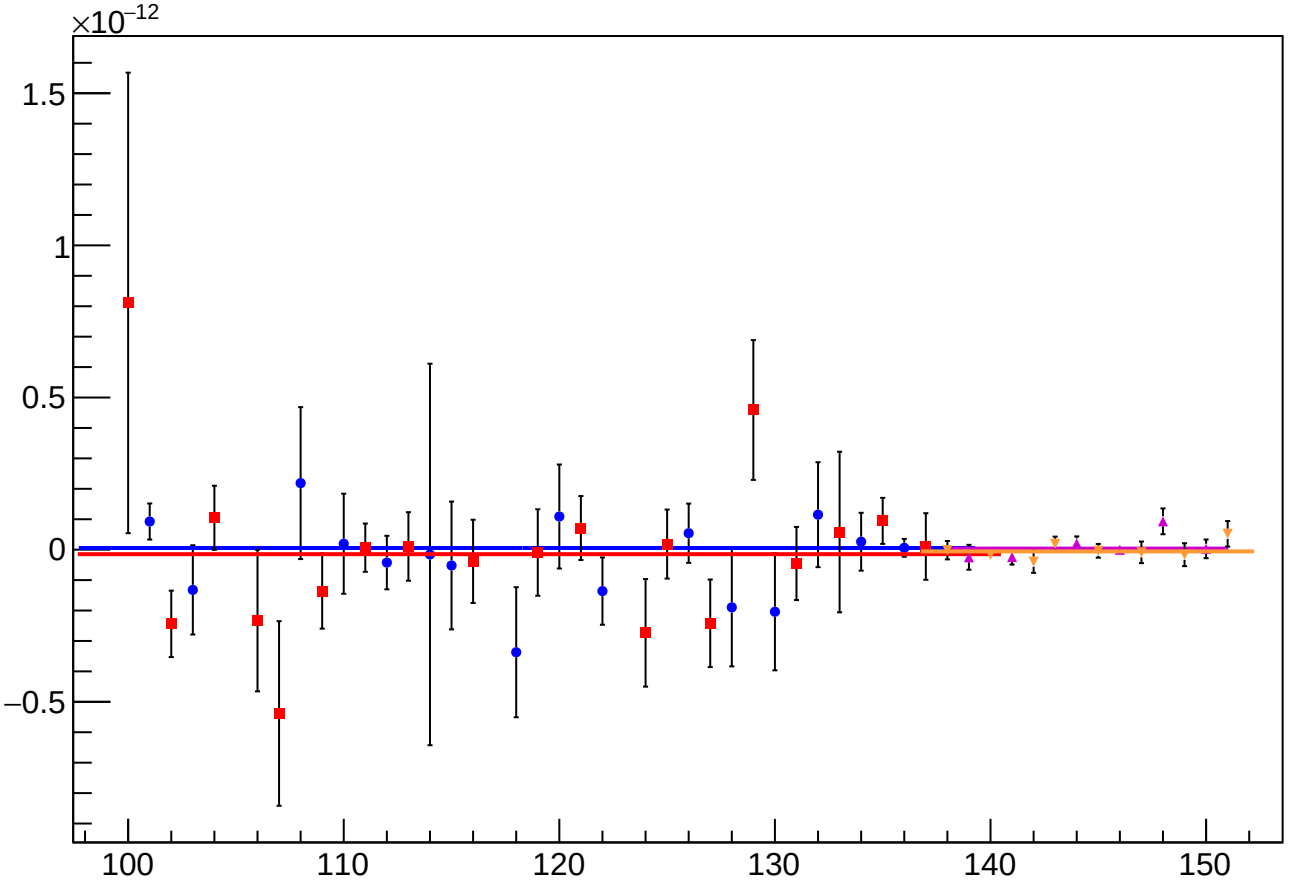
Left In: 689.078+/-0.217 χ^2/NDF:372927.7/5

+ sign 863.523+/-0.178 χ^2/NDF: 3022746.4/23

All: 865.265+/-0.128 χ^2/NDF: 6302283.0/48

- sign 867.145+/-0.185 χ^2/NDF: 3279337.4/24

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:4.5/7

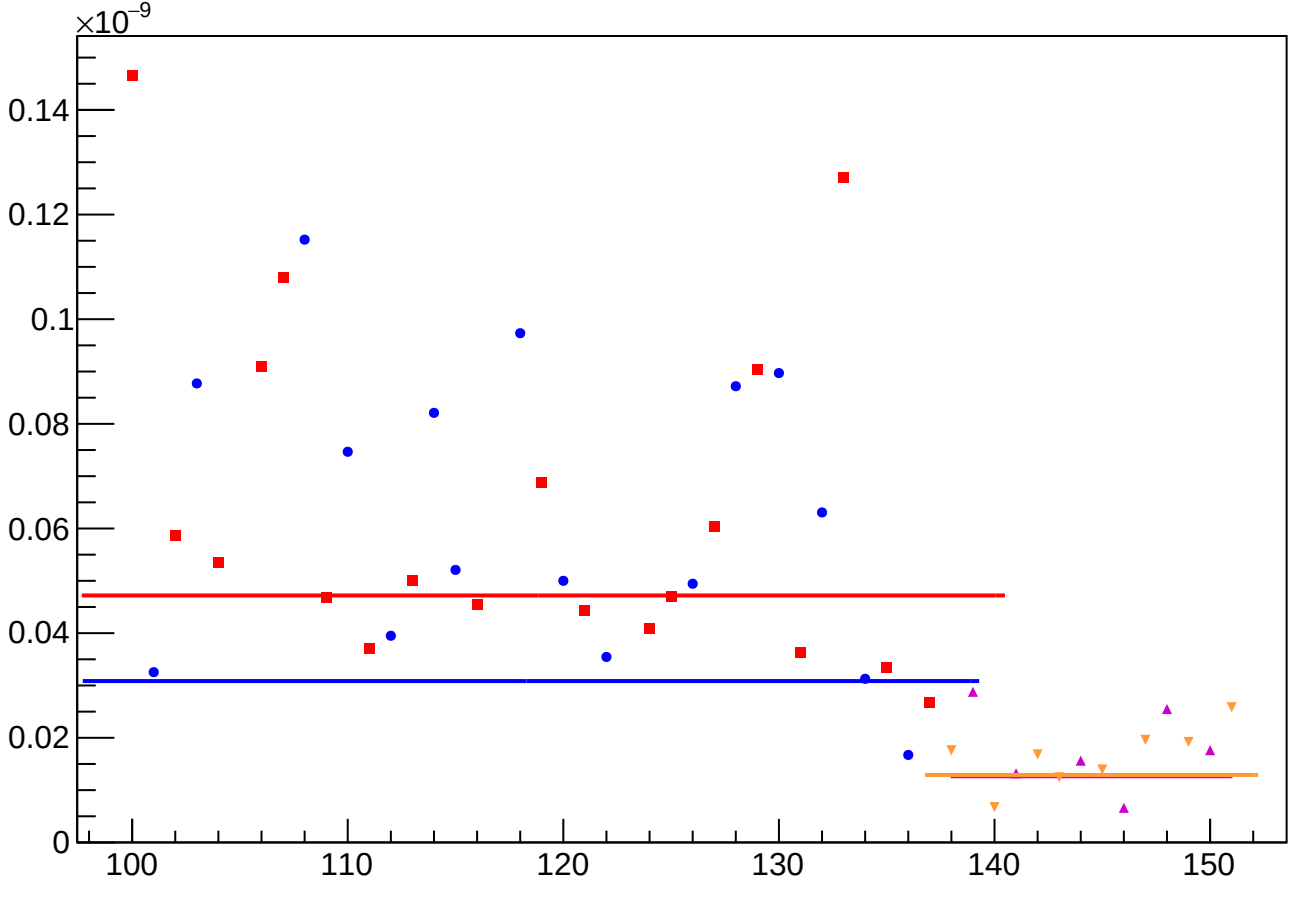
Right Out: -0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: 0.000+/-0.000 χ^2/NDF:6.8/5

+ sign -0.000+/-0.000 χ^2/NDF: 16.4/23

All: -0.000+/-0.000 χ^2/NDF: 47.5/48

- sign 0.000+/-0.000 χ^2/NDF: 30.9/24



Right In: 0.000+/-0.000 χ^2/NDF: 1912879.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:722198.0/7

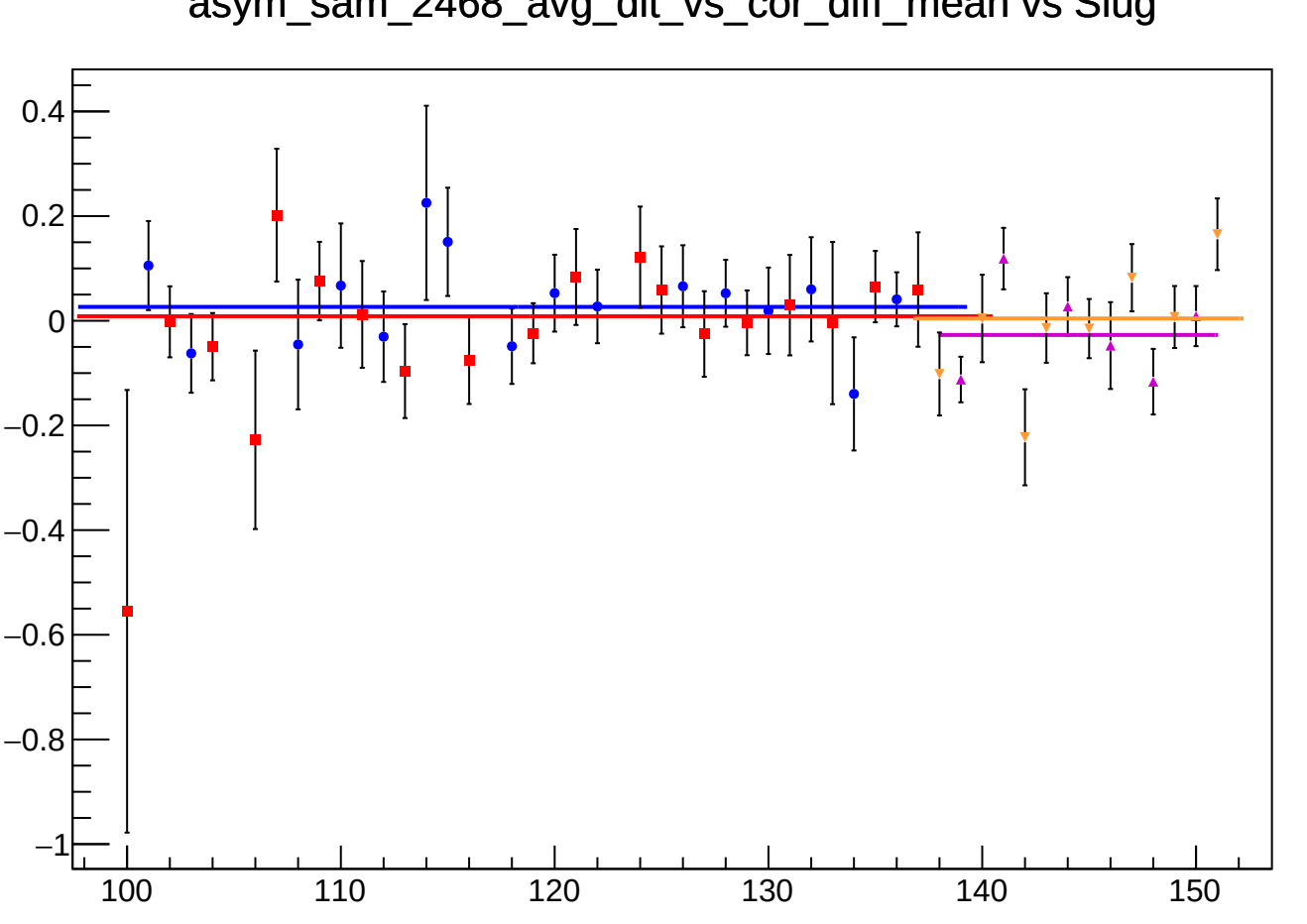
Right Out: 0.000+/-0.000 χ^2/NDF: 722091.3/18

Left In: 0.000+/-0.000 χ^2/NDF:926475.9/5

+ sign 0.000+/-0.000 χ^2/NDF: 3808094.9/23

All: 0.000+/-0.000 χ^2/NDF: 8070847.8/48

- sign 0.000+/-0.000 χ^2/NDF: 4257526.1/24



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.004+/-0.024 χ^2/NDF:15.1/7

Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

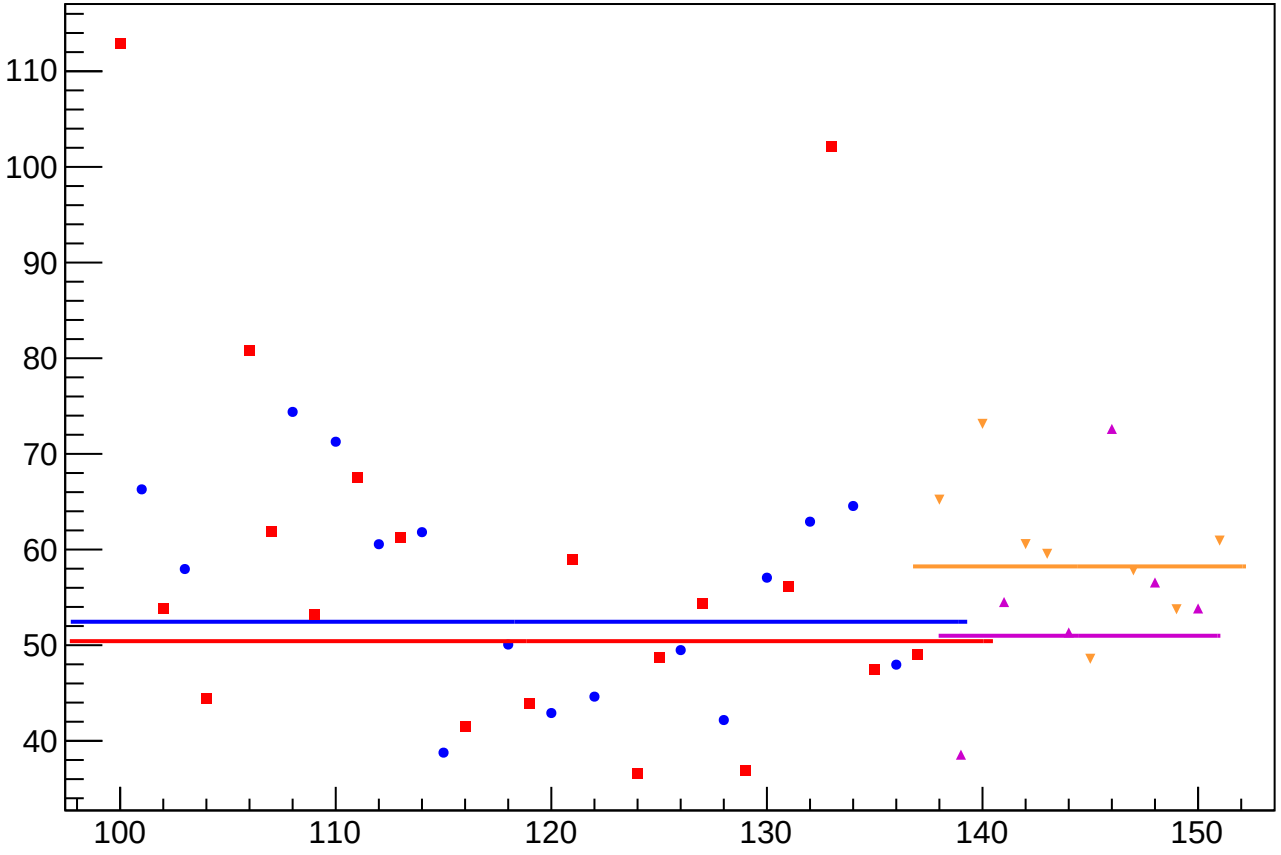
Left In: -0.027+/-0.023 χ^2/NDF:13.4/5

+ sign 0.017+/-0.016 χ^2/NDF: 25.5/23

All: 0.005+/-0.011 χ^2/NDF: 55.4/48

- sign -0.006+/-0.015 χ^2/NDF: 28.7/24

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: 58.235+/-0.017 χ^2/NDF:154002.7/7

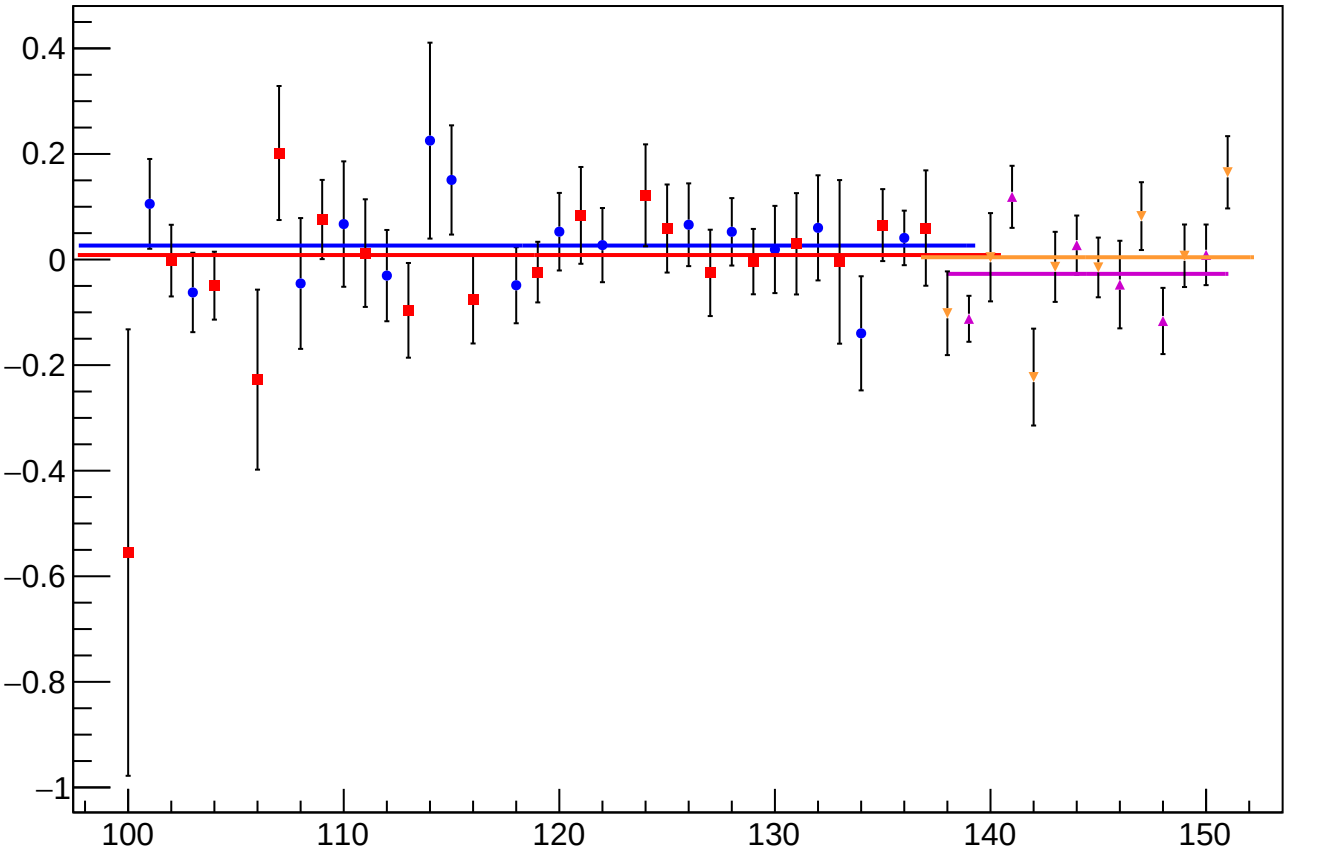
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.988+/-0.016 χ^2/NDF:326827.7/5

+ sign 54.848+/-0.011 χ^2/NDF: 638673.8/23

All: 52.661+/-0.008 χ^2/NDF: 1718222.8/48

- sign 50.655+/-0.011 χ^2/NDF: 1004266.4/24



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.004+/-0.024 χ^2/NDF:15.1/7

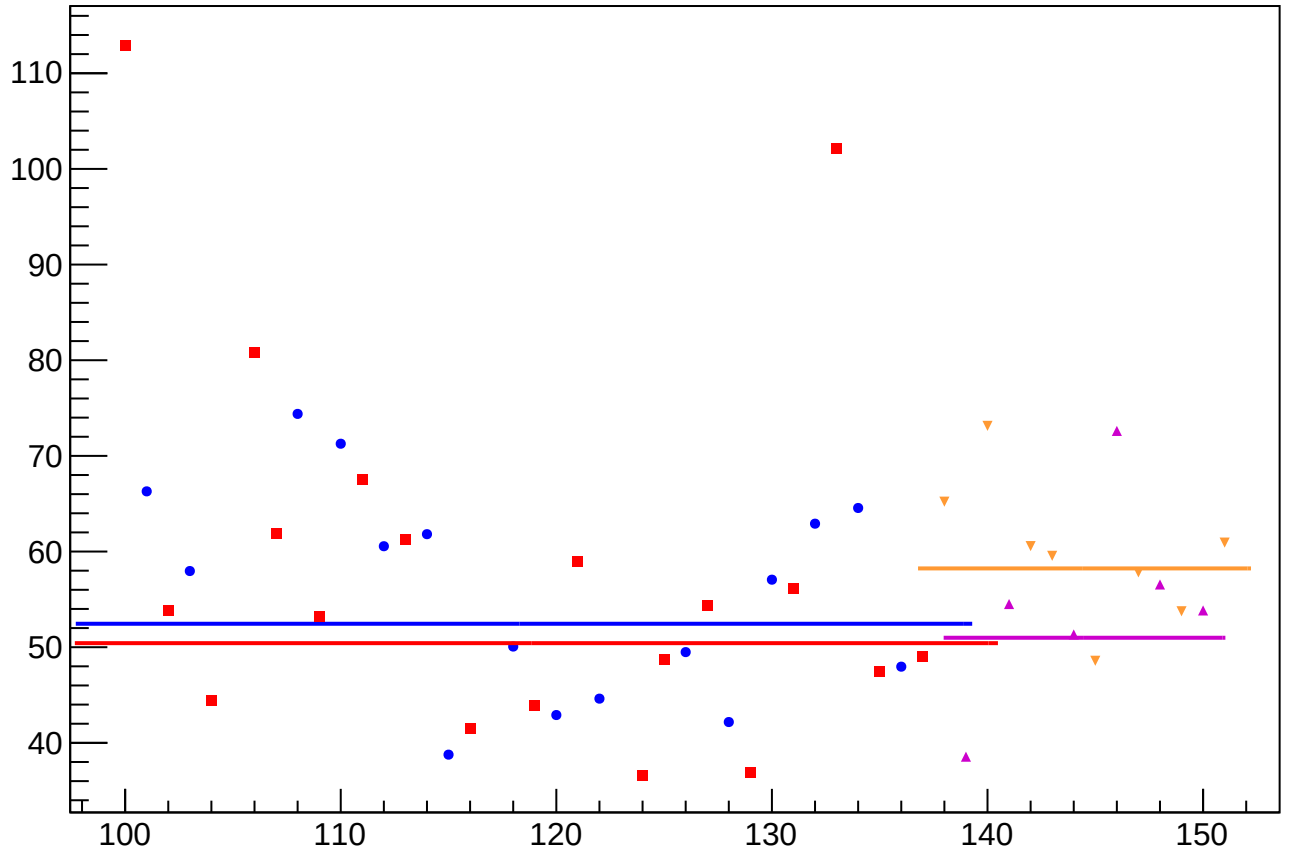
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.027+/-0.023 χ^2/NDF:13.4/5

+ sign 0.017+/-0.016 χ^2/NDF: 25.5/23

All: 0.005+/-0.011 χ^2/NDF: 55.4/48

- sign -0.006+/-0.015 χ^2/NDF: 28.7/24



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 58.235+/-0.017 χ^2/NDF:154002.7/7

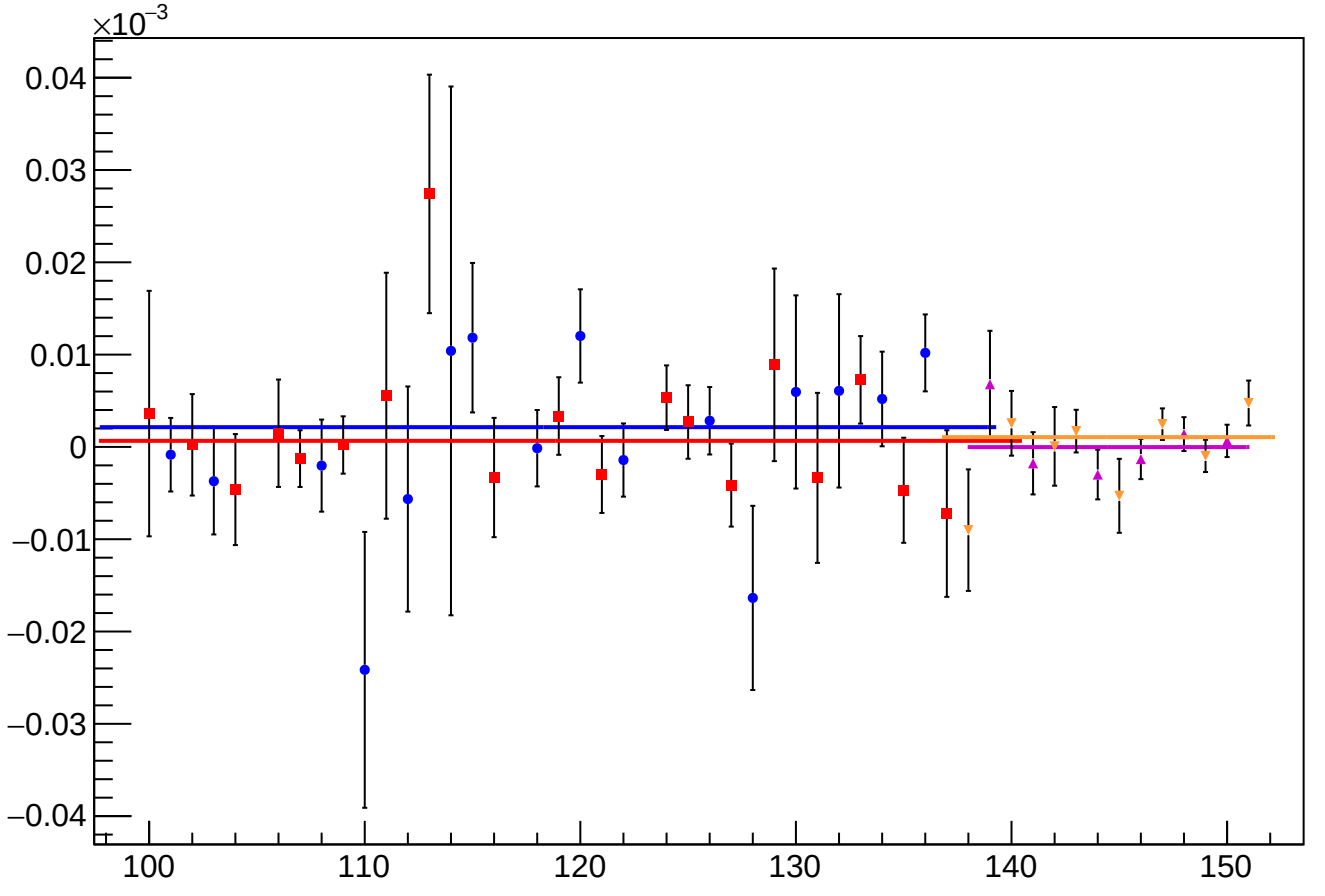
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.988+/-0.016 χ^2/NDF:326827.7/5

+ sign 54.848+/-0.011 χ^2/NDF: 638673.8/23

All: 52.661+/-0.008 χ^2/NDF: 1718222.8/48

- sign 50.655+/-0.011 χ^2/NDF: 1004266.4/24



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.5/7

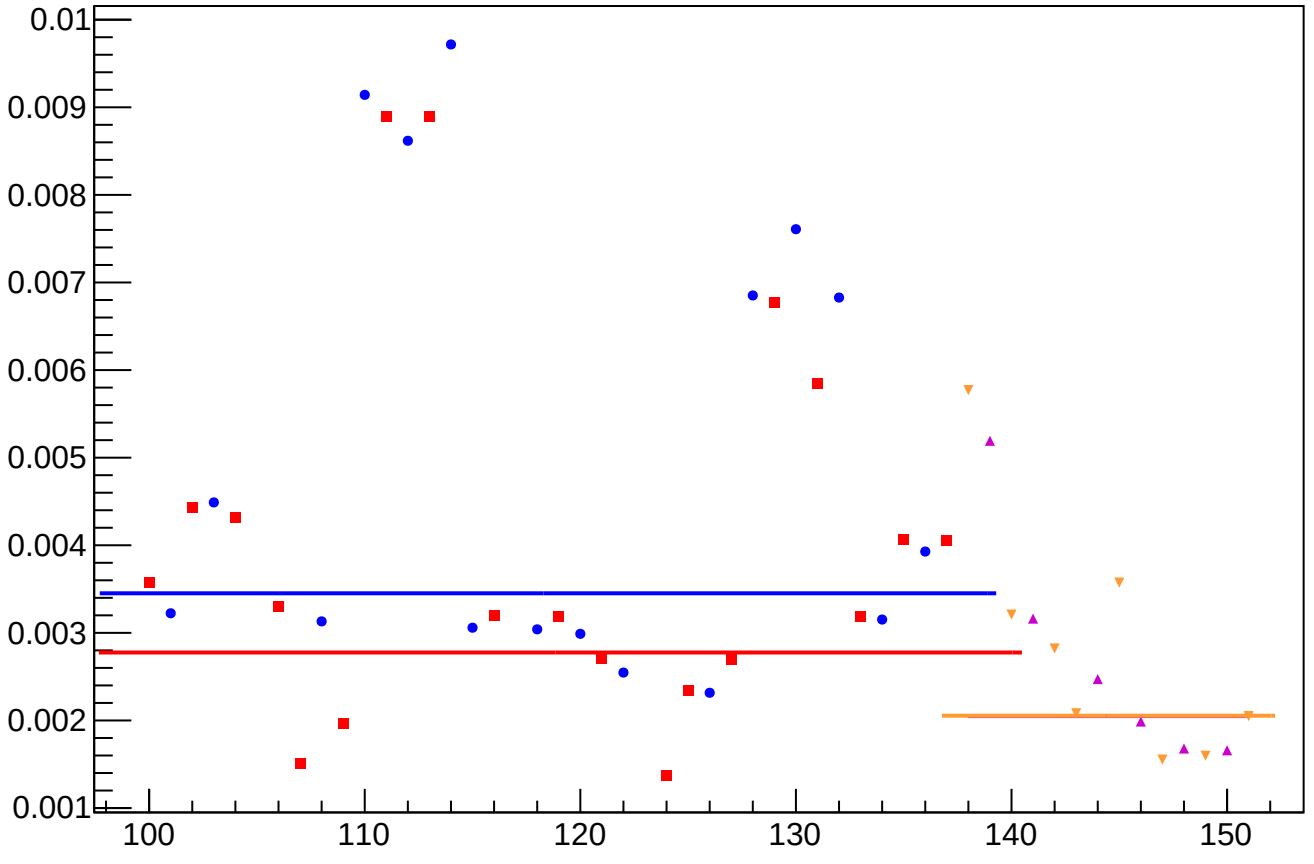
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:4.0/5

+ sign 0.000+/-0.000 χ^2/NDF: 30.0/23

All: 0.000+/-0.000 χ^2/NDF: 50.1/48

- sign 0.000+/-0.000 χ^2/NDF: 19.0/24



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1515508.3/7

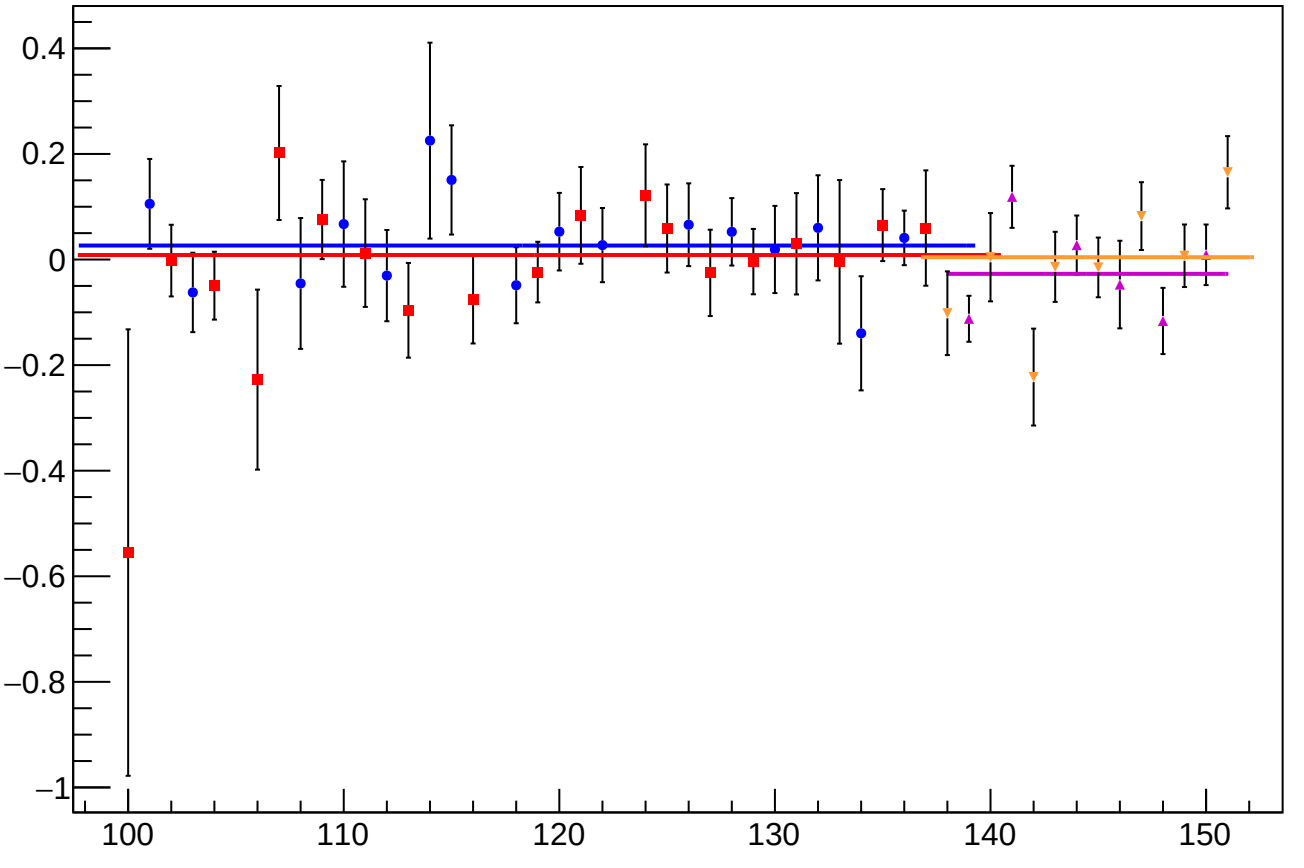
Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.002+/-0.000 χ^2/NDF:1039029.2/5

+ sign 0.002+/-0.000 χ^2/NDF: 4901323.8/23

All: 0.002+/-0.000 χ^2/NDF: 9171297.0/48

- sign 0.002+/-0.000 χ^2/NDF: 4244848.5/24



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.004+/-0.024 χ^2/NDF:15.1/7

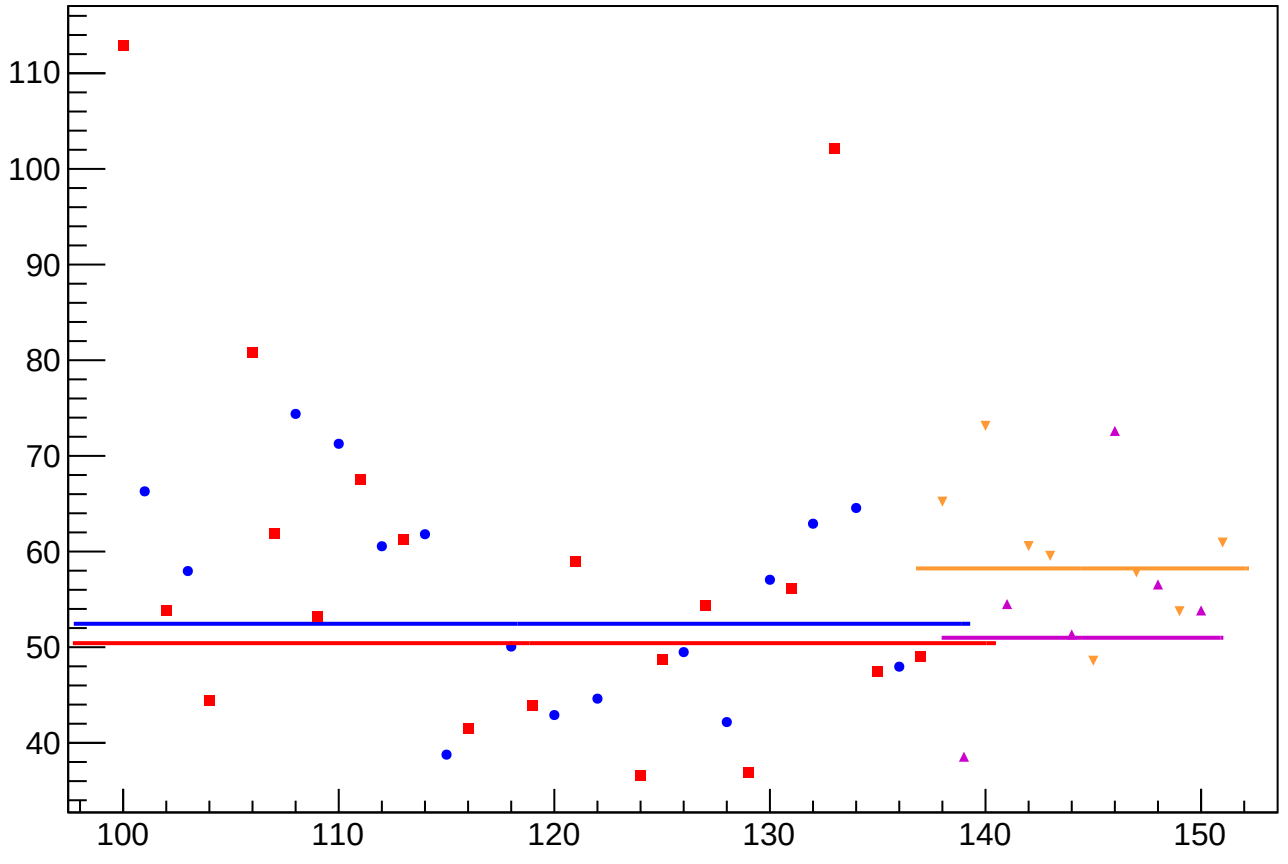
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.027+/-0.023 χ^2/NDF:13.4/5

+ sign 0.017+/-0.016 χ^2/NDF: 25.5/23

All: 0.005+/-0.011 χ^2/NDF: 55.4/48

- sign -0.006+/-0.015 χ^2/NDF: 28.7/24



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 58.236+/-0.017 χ^2/NDF:153975.5/7

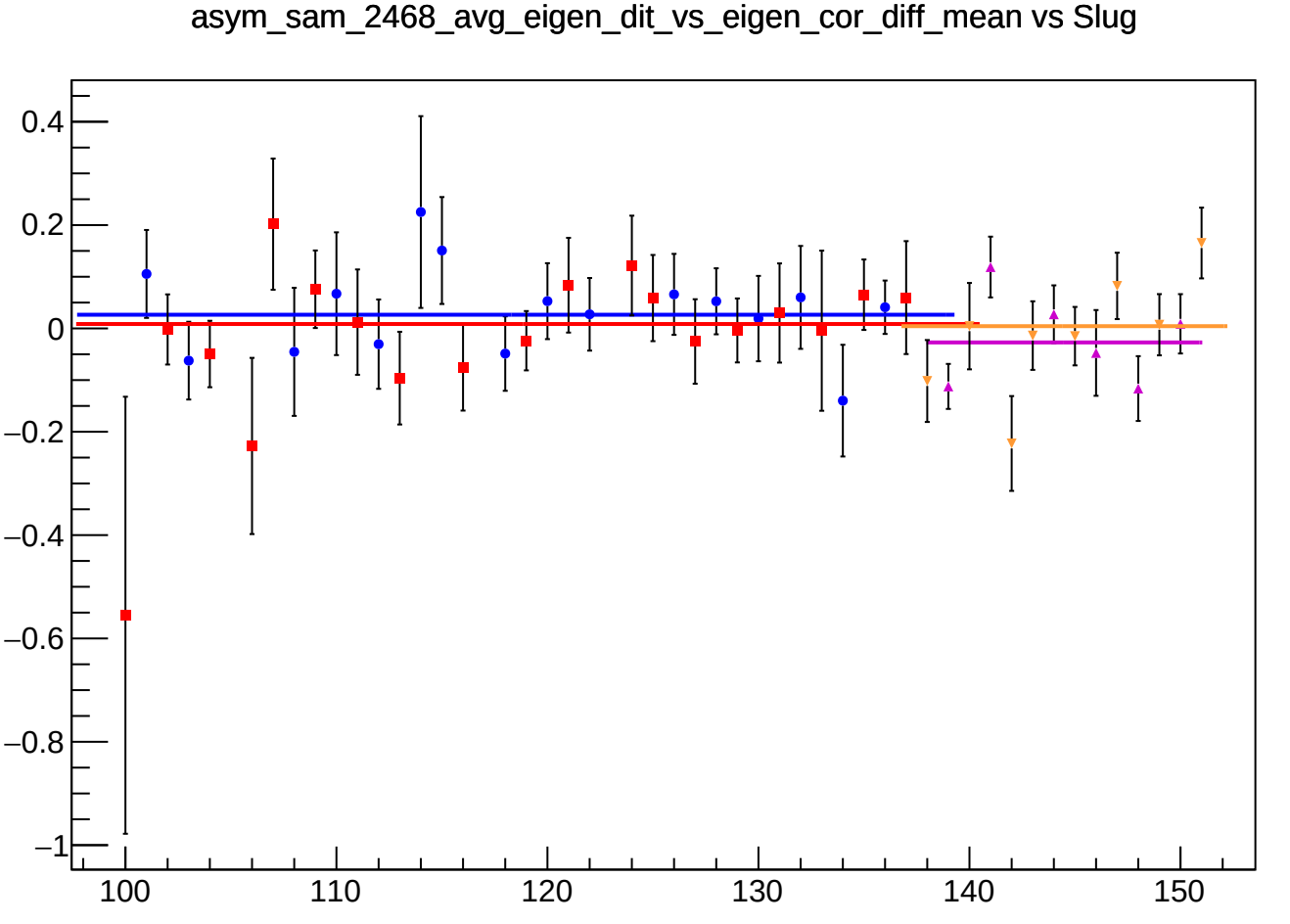
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 50.988+/-0.016 χ^2/NDF:326872.1/5

+ sign 54.848+/-0.011 χ^2/NDF: 638642.3/23

All: 52.661+/-0.008 χ^2/NDF: 1718253.2/48

- sign 50.654+/-0.011 χ^2/NDF: 1004319.8/24



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.004+/-0.024 χ^2/NDF:15.1/7

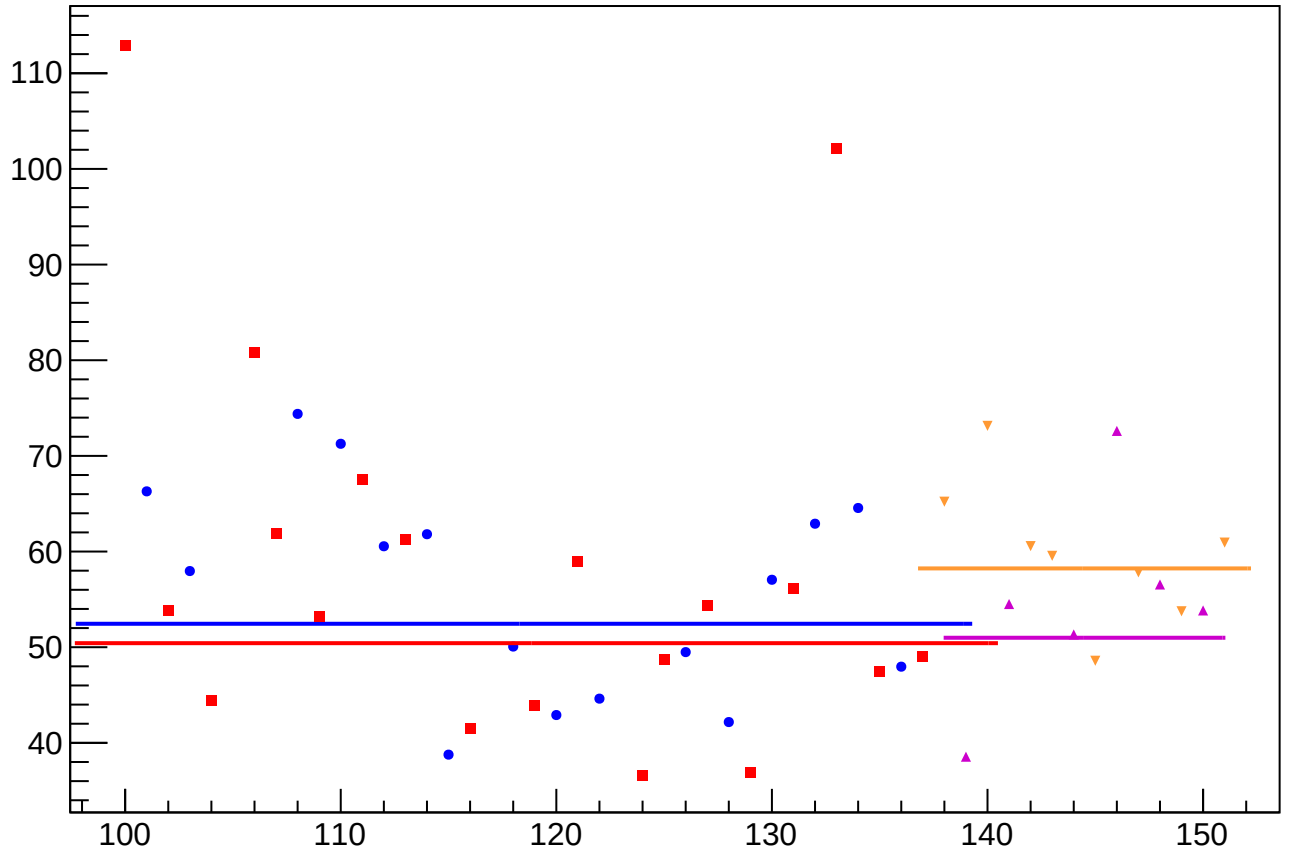
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.027+/-0.023 χ^2/NDF:13.4/5

+ sign 0.017+/-0.016 χ^2/NDF: 25.5/23

All: 0.005+/-0.011 χ^2/NDF: 55.4/48

- sign -0.006+/-0.015 χ^2/NDF: 28.7/24



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 58.236+/-0.017 χ^2/NDF:153975.5/7

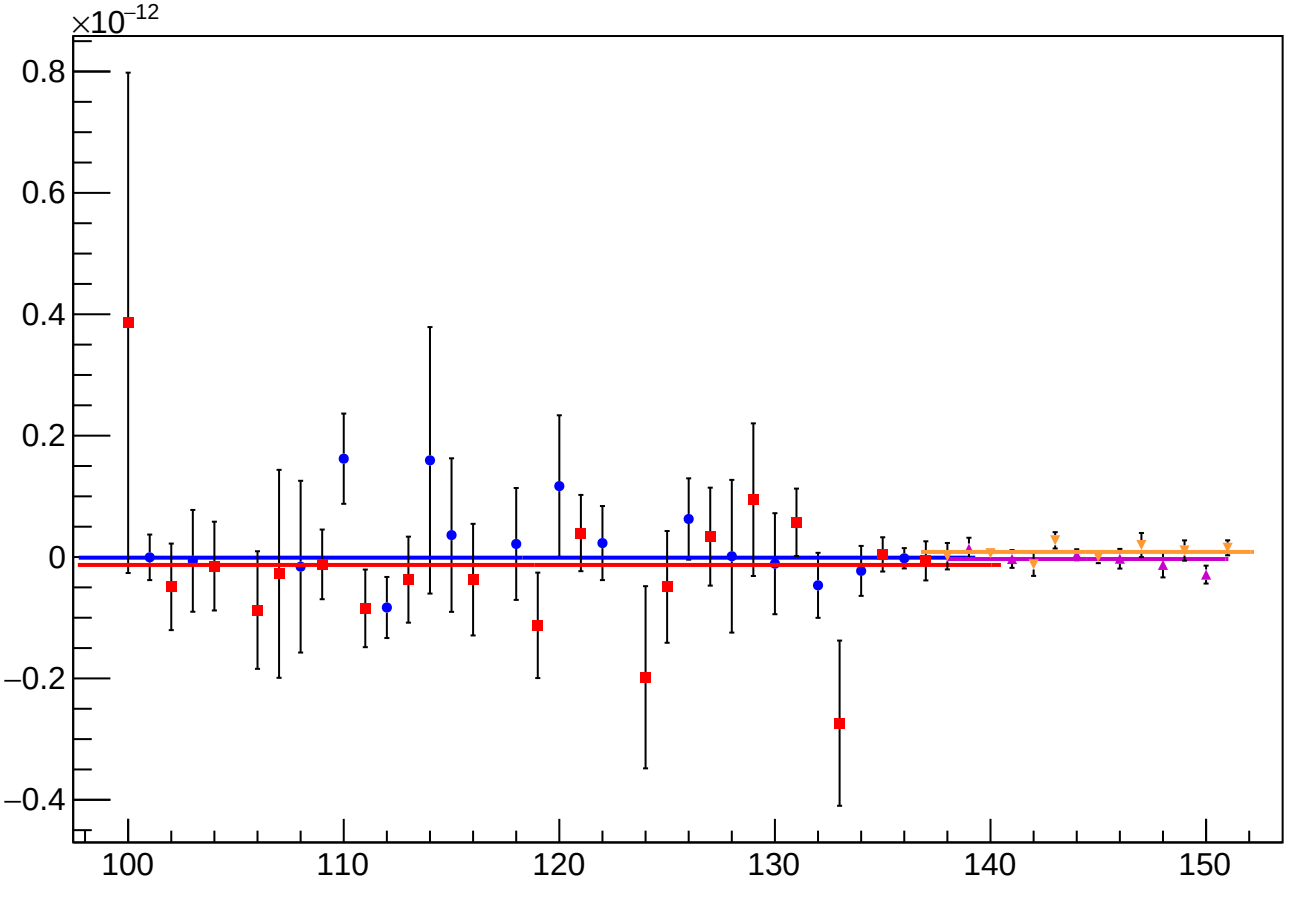
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 50.988+/-0.016 χ^2/NDF:326872.1/5

\+ sign 54.848+/-0.011 χ^2/NDF: 638642.3/23

All: 52.661+/-0.008 χ^2/NDF: 1718253.2/48

\- sign 50.654+/-0.011 χ^2/NDF: 1004319.8/24



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.7/7

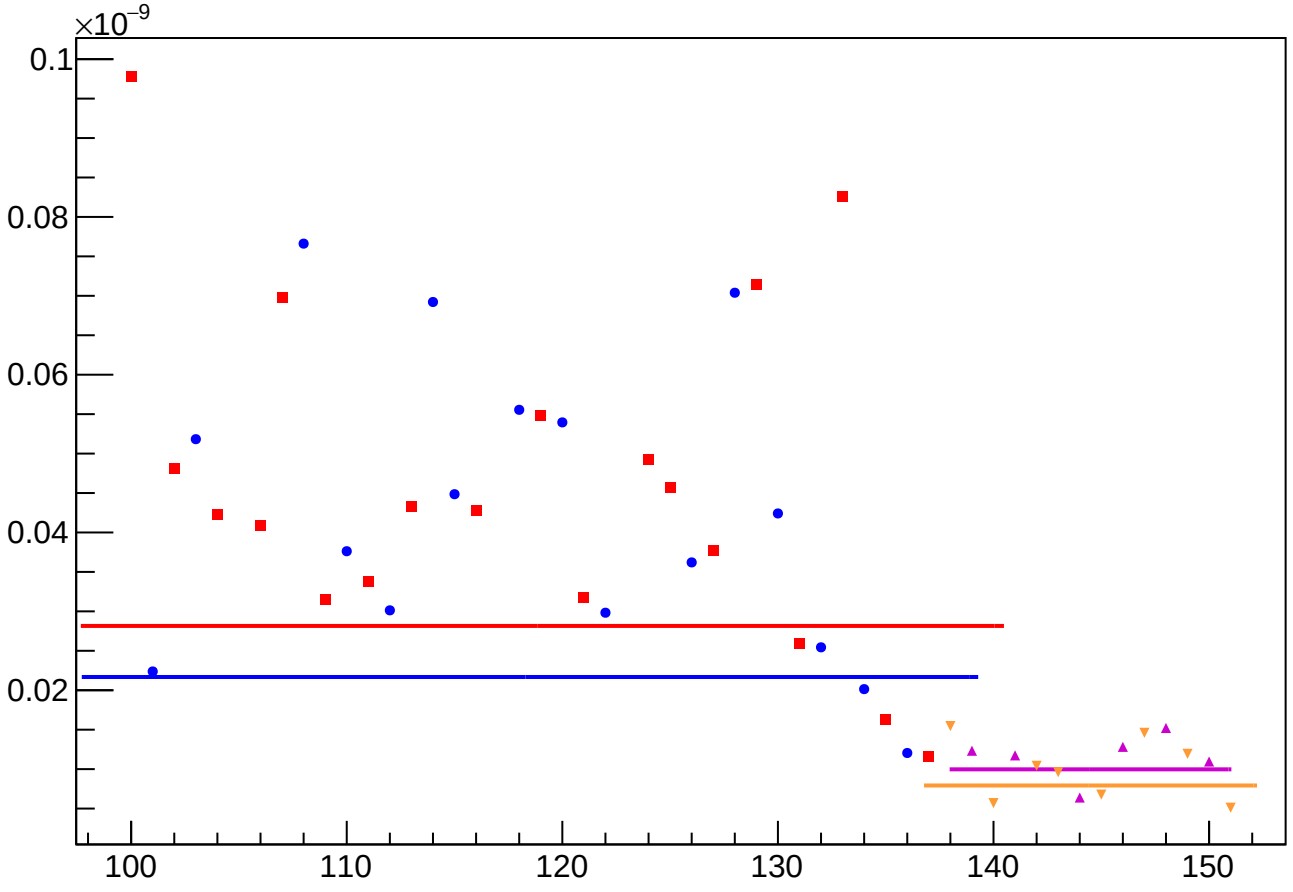
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/18

Left In: -0.000+/-0.000 χ^2/NDF:4.8/5

+ sign 0.000+/-0.000 χ^2/NDF: 16.5/23

All: 0.000+/-0.000 χ^2/NDF: 38.4/48

- sign -0.000+/-0.000 χ^2/NDF: 18.8/24



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:925972.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

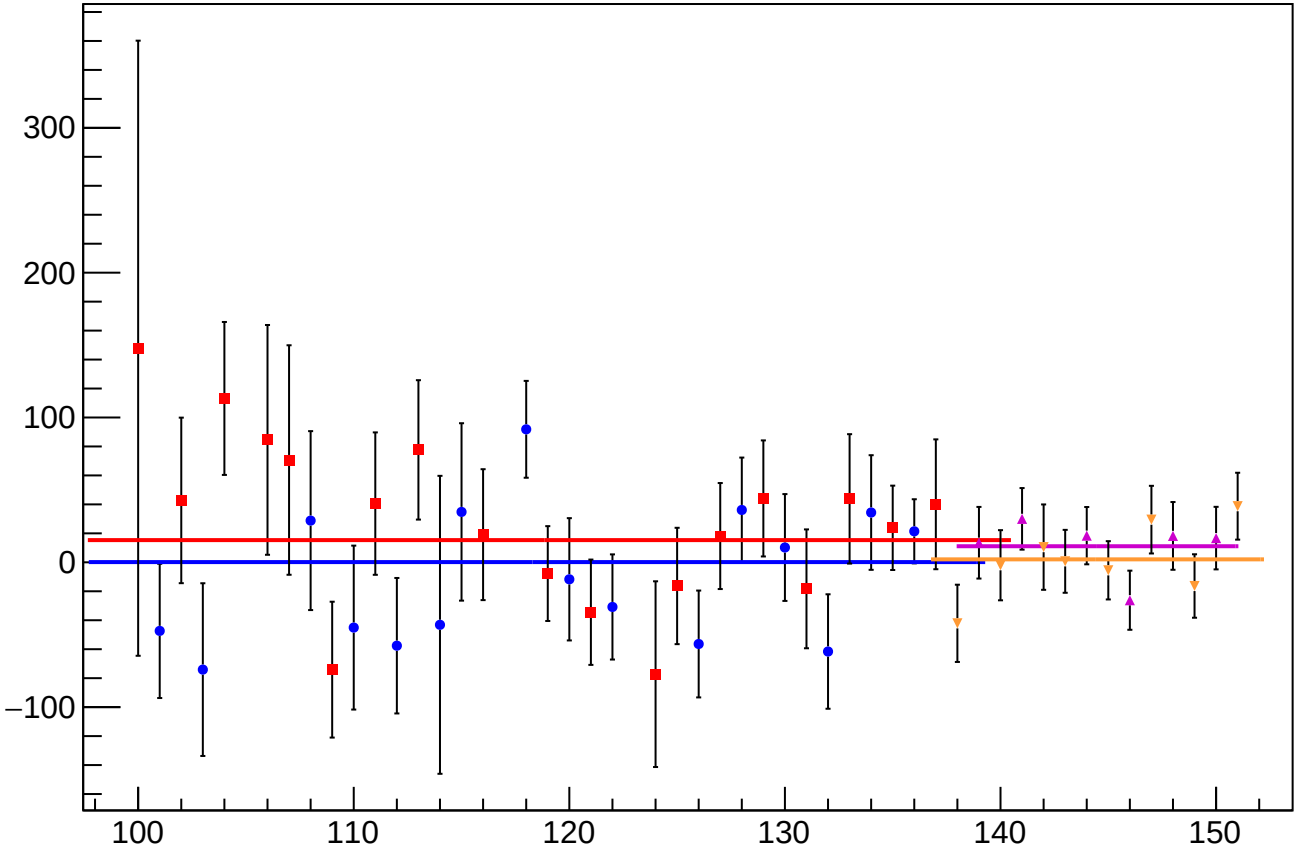
Left In: 0.000+/-0.000 χ^2/NDF:574217.3/5

+ sign 0.000+/-0.000 χ^2/NDF: 5749649.7/23

All: 0.000+/-0.000 χ^2/NDF: 11751443.0/48

- sign 0.000+/-0.000 χ^2/NDF: 5677357.8/24

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: 2.040+/-8.264 χ^2/NDF:7.6/7

Right Out: 15.333+/-10.267 χ^2/NDF: 17.9/18

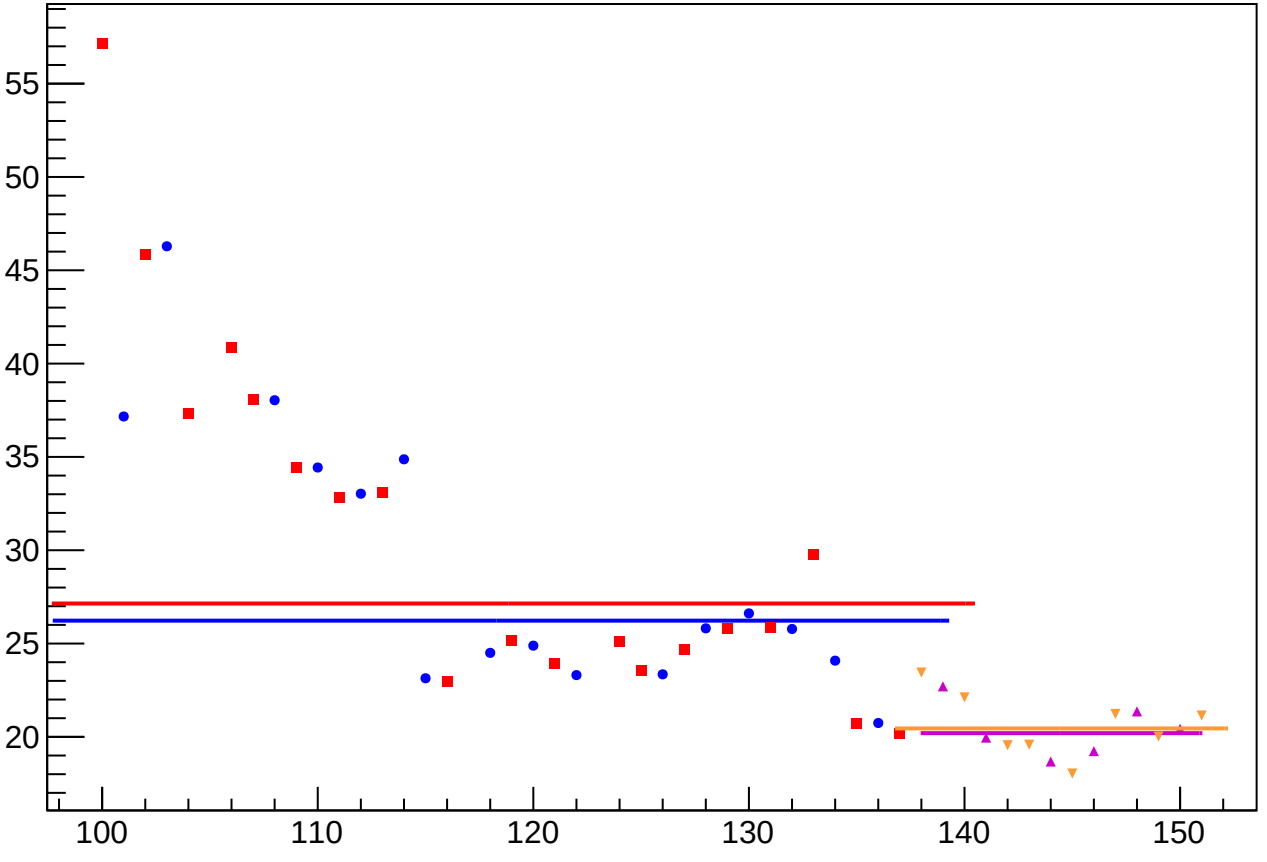
Left In: 11.105+/-8.848 χ^2/NDF:4.4/5

+ sign 1.279+/-6.383 χ^2/NDF: 29.0/23

All: 6.809+/-4.622 χ^2/NDF: 53.0/48

- sign 12.907+/-6.702 χ^2/NDF: 22.5/24

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 20.453+/-0.006 χ^2/NDF:73353.4/7

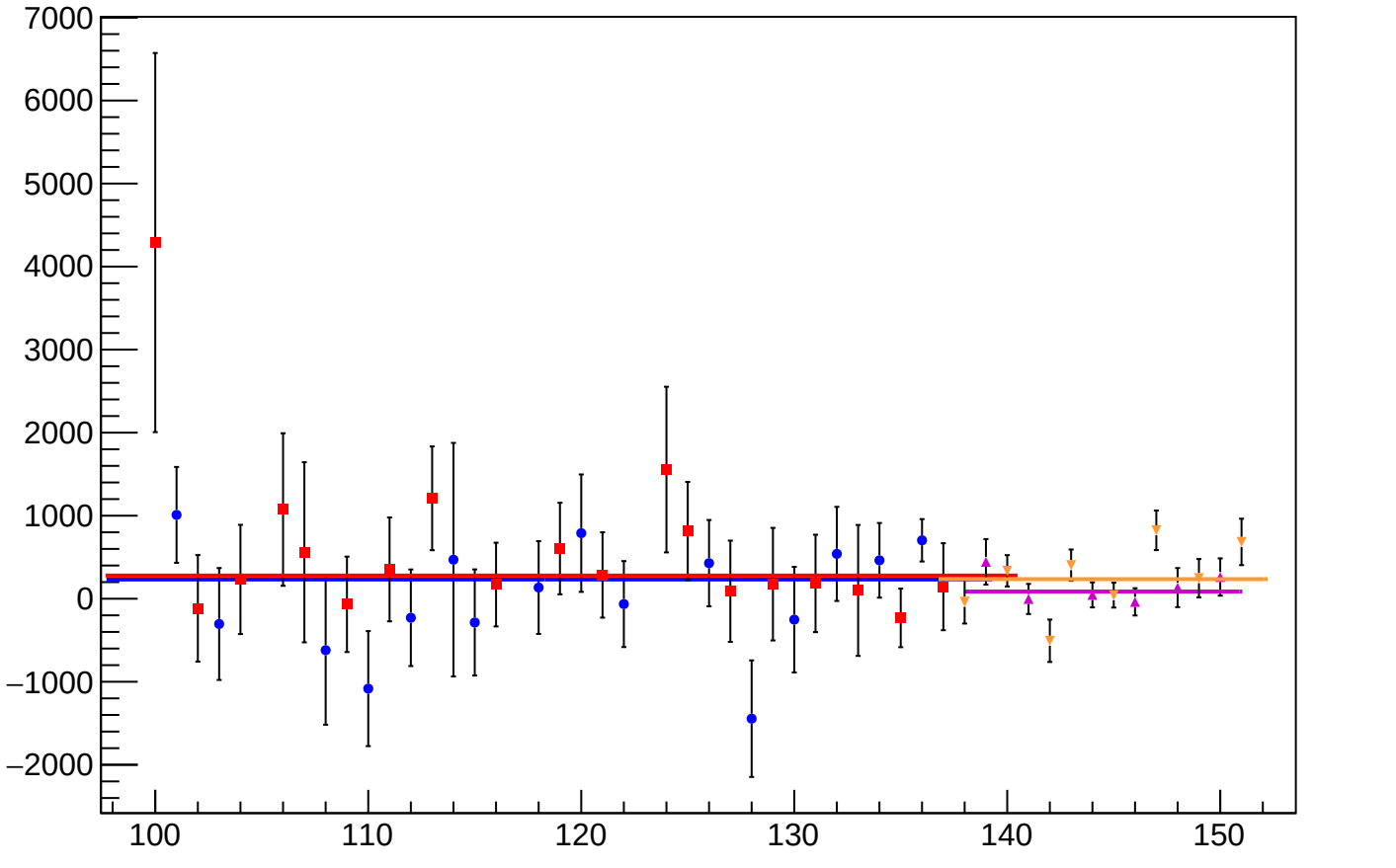
Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 20.200+/-0.006 χ^2/NDF:42279.1/5

+ sign 22.783+/-0.005 χ^2/NDF: 1143355.5/23

All: 22.962+/-0.003 χ^2/NDF: 2469569.9/48

- sign 23.160+/-0.005 χ^2/NDF: 1322895.4/24



Right In: 232.092+/-134.871 χ^2/NDF: 19.6/15

Left Out: 235.648+/-74.531 χ^2/NDF:20.9/7

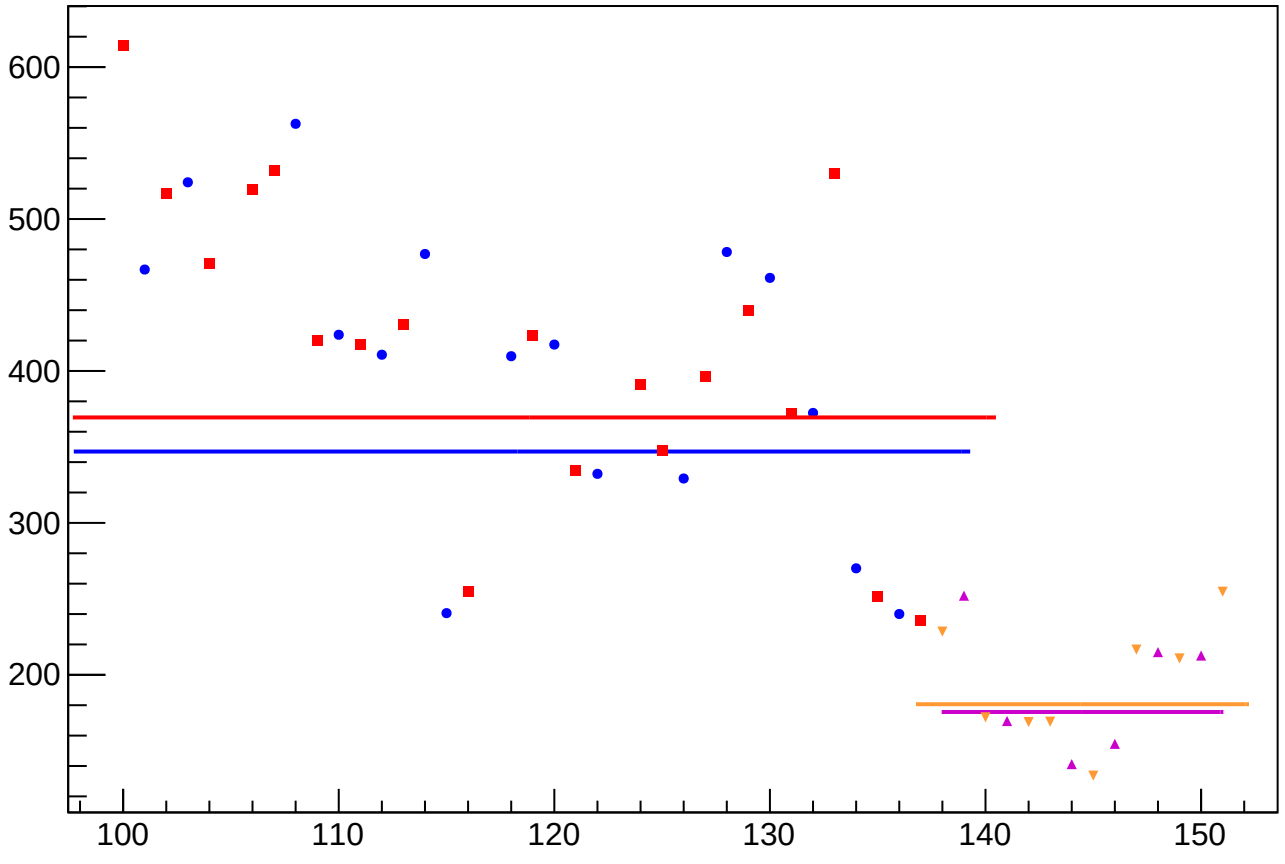
Right Out: 279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: 86.374+/-78.401 χ^2/NDF:3.2/5

+ sign 234.816+/-65.233 χ^2/NDF: 40.6/23

All: 186.030+/-47.207 χ^2/NDF: 58.5/48

- sign 132.389+/-68.401 χ^2/NDF: 16.8/24



Right In: 346.969+/-0.095 χ^2/NDF: 1058029.4/15

Left Out: 180.656+/-0.053 χ^2/NDF:499342.0/7

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

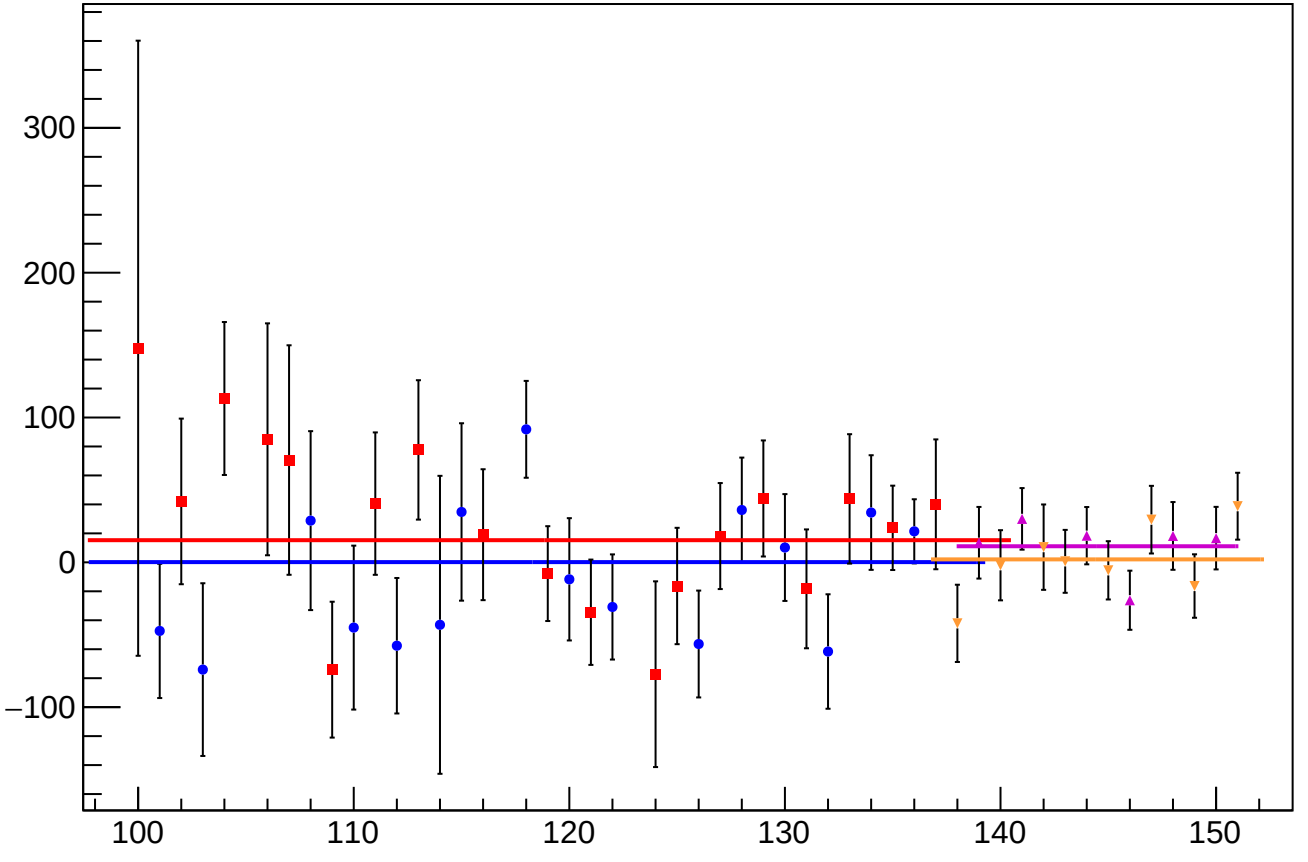
Left In: 175.541+/-0.055 χ^2/NDF:404491.8/5

+ sign 219.563+/-0.046 χ^2/NDF: 3887131.9/23

All: 220.649+/-0.033 χ^2/NDF: 8132358.3/48

- sign 221.843+/-0.048 χ^2/NDF: 4244062.3/24

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 2.037+/-8.264 χ^2/NDF:7.6/7

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

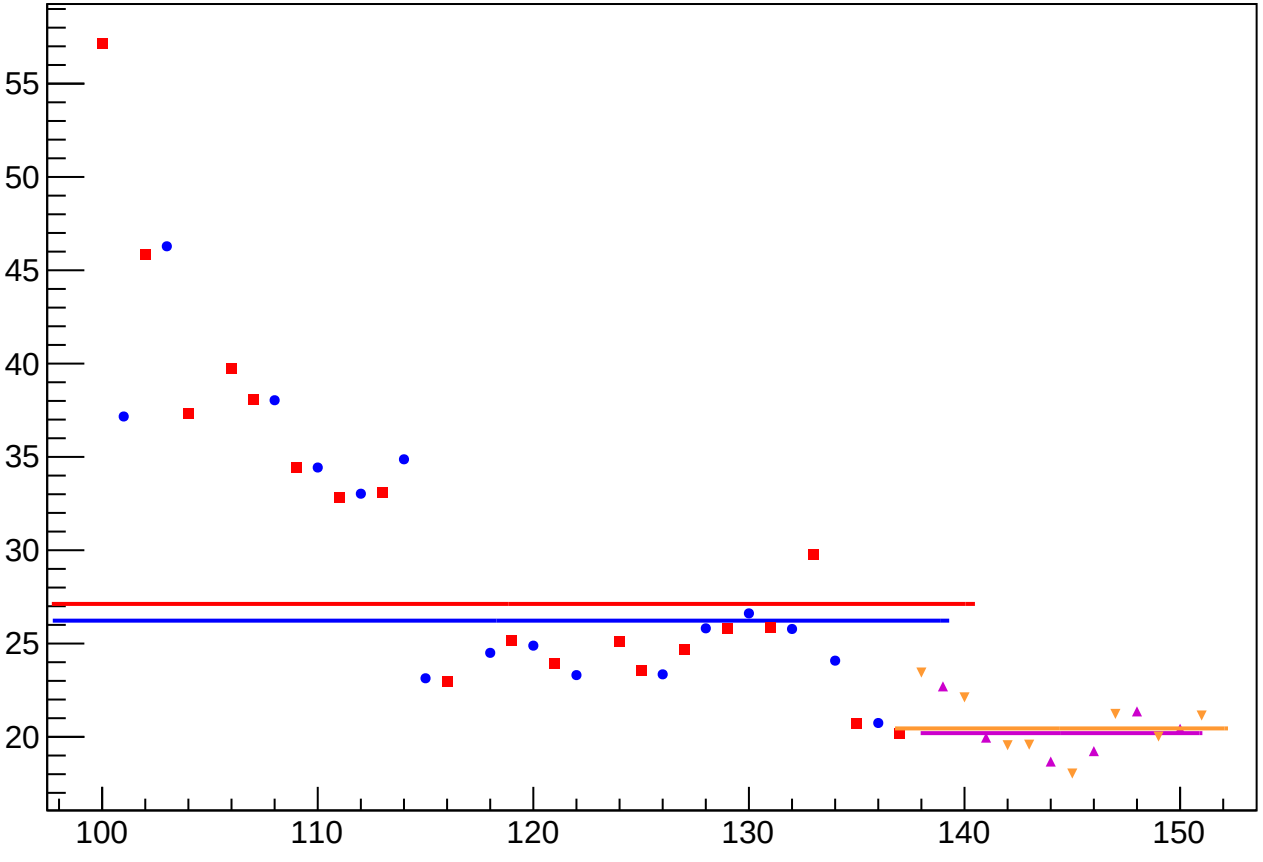
Left In: 11.106+/-8.848 χ^2/NDF:4.4/5

+ sign 1.279+/-6.383 χ^2/NDF: 29.0/23

All: 6.800+/-4.622 χ^2/NDF: 53.0/48

- sign 12.890+/-6.703 χ^2/NDF: 22.5/24

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.453+/-0.006 χ^2/NDF:73353.4/7

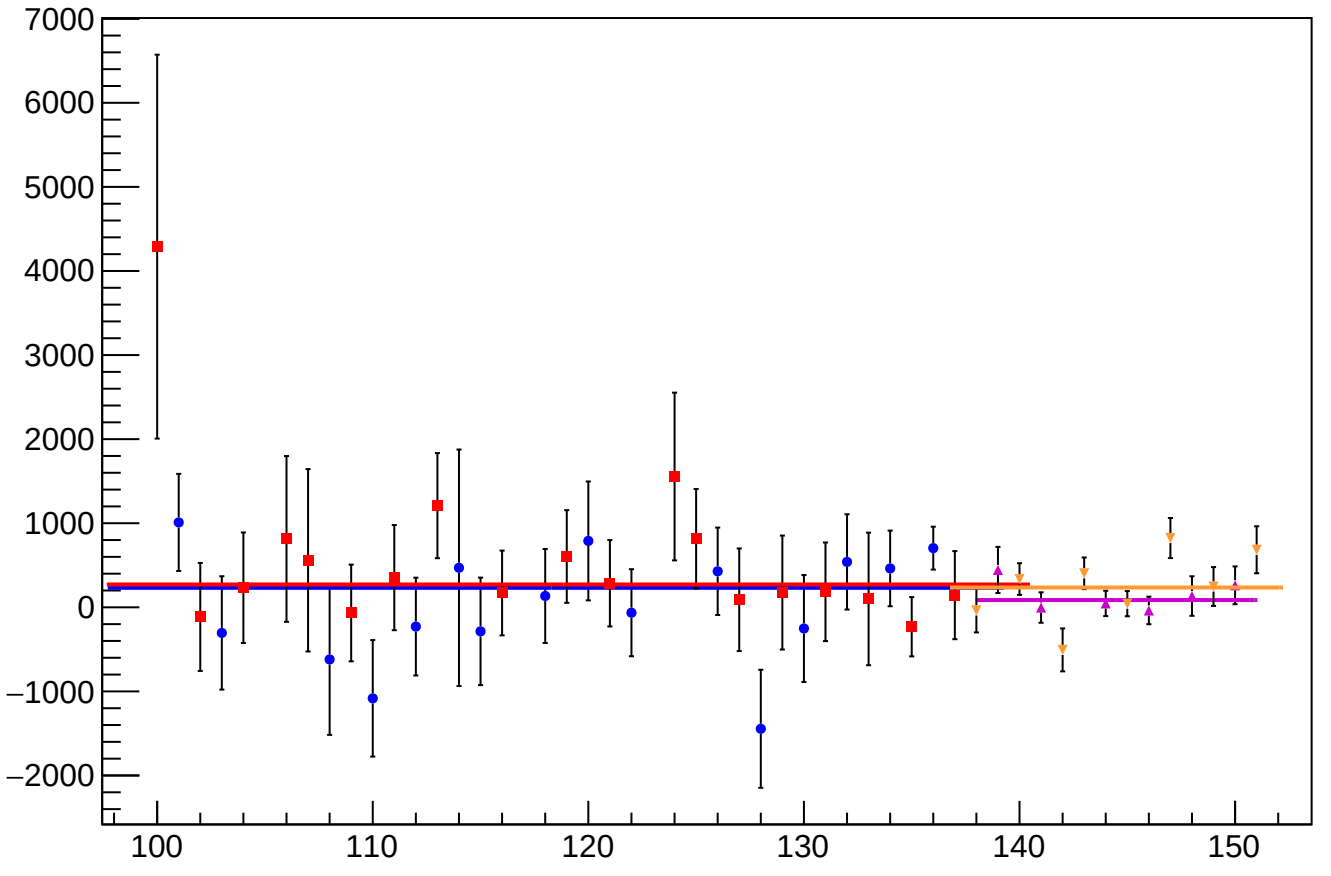
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.200+/-0.006 χ^2/NDF:42279.1/5

+ sign 22.783+/-0.005 χ^2/NDF: 1143358.9/23

All: 22.957+/-0.003 χ^2/NDF: 2456248.3/48

- sign 23.150+/-0.005 χ^2/NDF: 1309742.7/24



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 235.645+/-74.530 χ^2/NDF:20.9/7

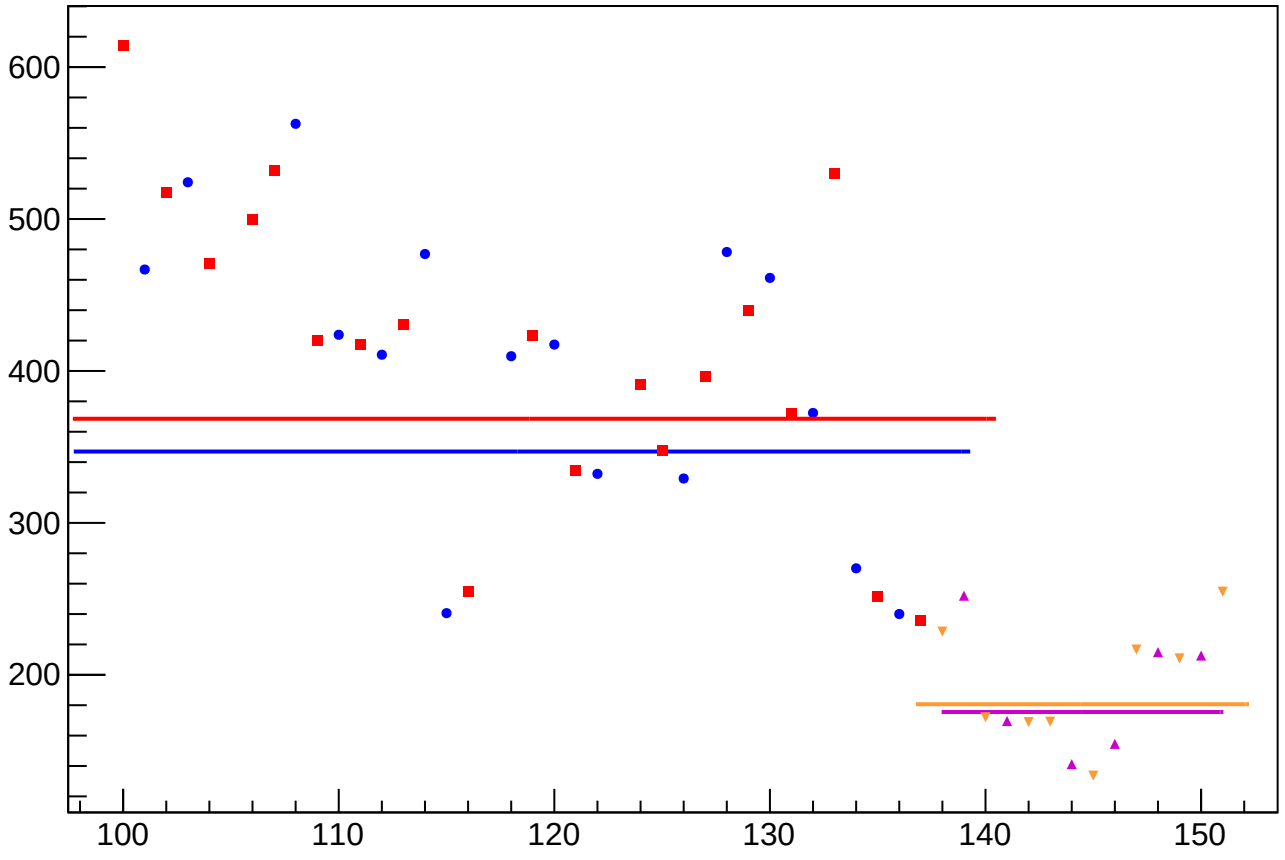
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 86.376+/-78.402 χ^2/NDF:3.2/5

+ sign 234.812+/-65.233 χ^2/NDF: 40.6/23

All: 185.130+/-47.215 χ^2/NDF: 58.0/48

- sign 130.464+/-68.427 χ^2/NDF: 16.2/24



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 180.656+/-0.053 χ^2/NDF:499344.4/7

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

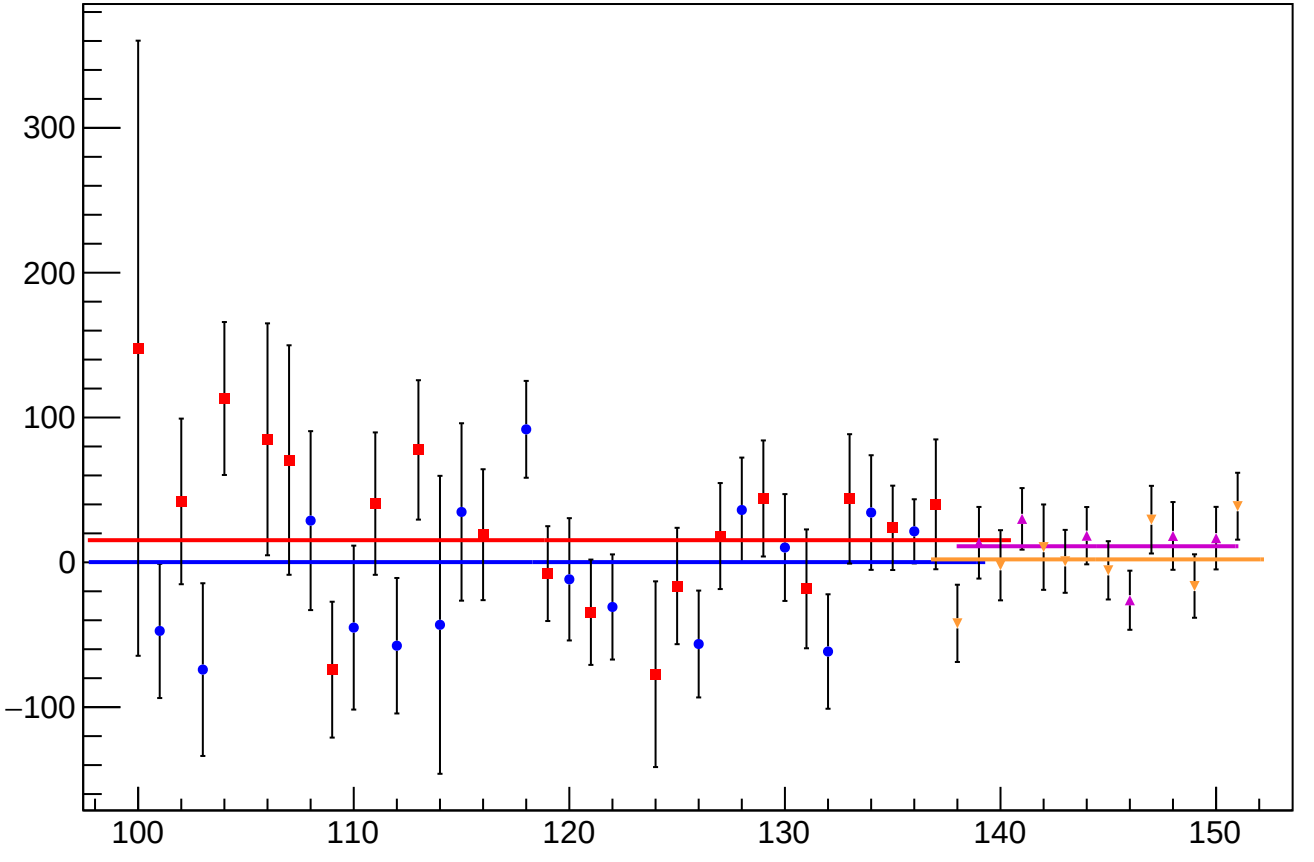
Left In: 175.541+/-0.055 χ^2/NDF:404490.7/5

+ sign 219.562+/-0.046 χ^2/NDF: 3887165.5/23

All: 220.498+/-0.033 χ^2/NDF: 8080549.0/48

- sign 221.527+/-0.048 χ^2/NDF: 4192519.7/24

eigen_cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 2.037+/-8.264 χ^2/NDF:7.6/7

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

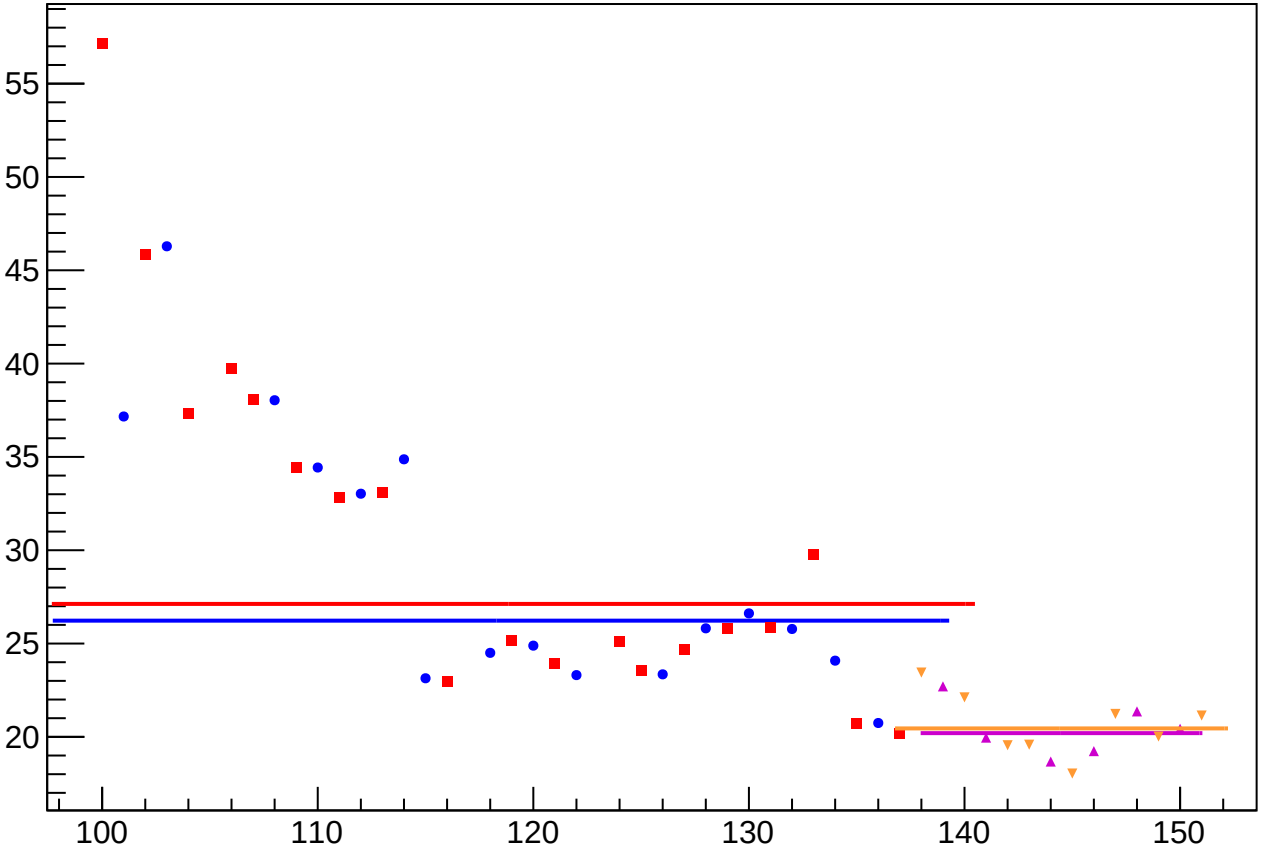
Left In: 11.106+/-8.848 χ^2/NDF:4.4/5

+ sign 1.279+/-6.383 χ^2/NDF: 29.0/23

All: 6.800+/-4.622 χ^2/NDF: 53.0/48

- sign 12.890+/-6.703 χ^2/NDF: 22.5/24

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.453+/-0.006 χ^2/NDF:73353.4/7

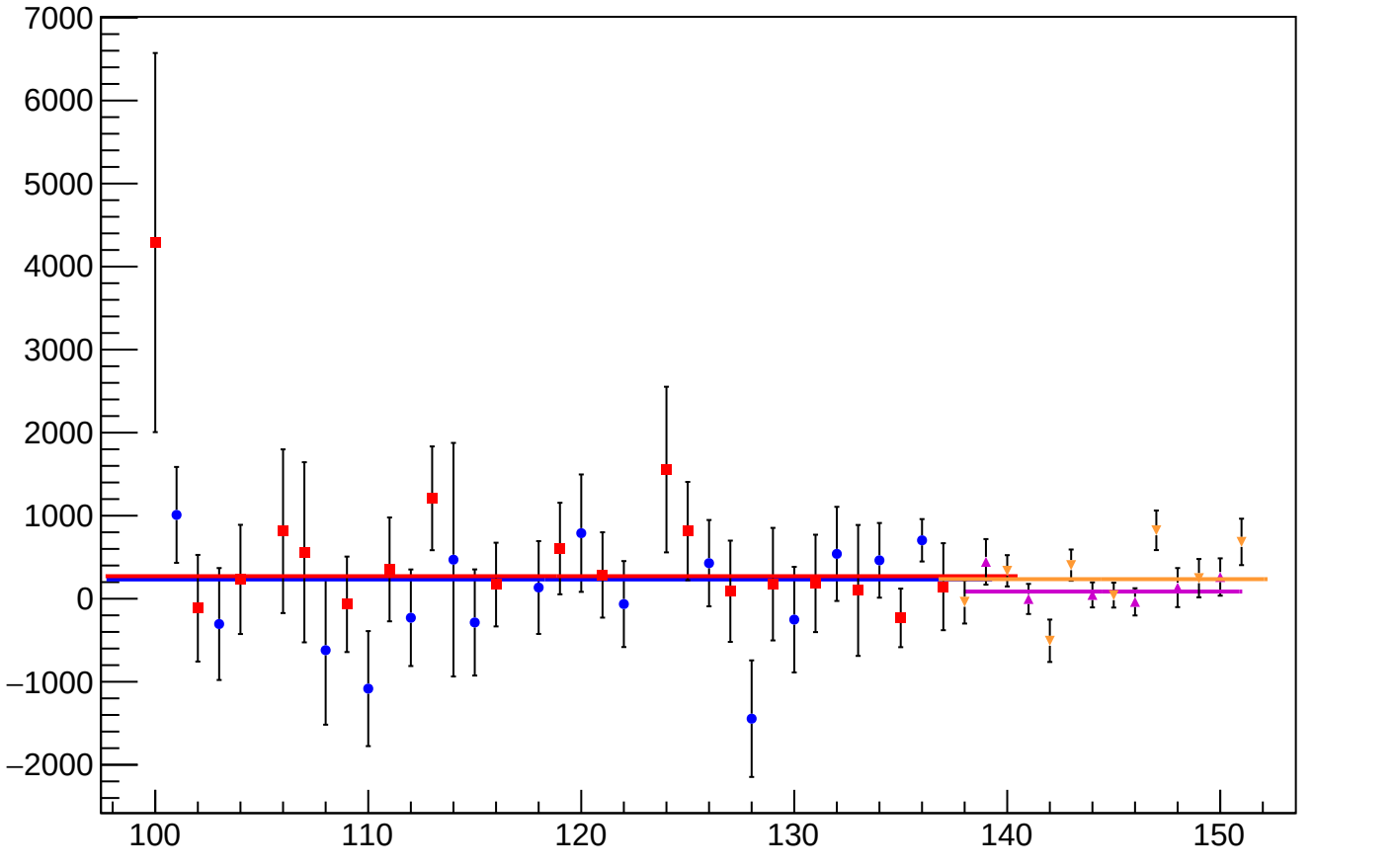
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.200+/-0.006 χ^2/NDF:42279.1/5

+ sign 22.783+/-0.005 χ^2/NDF: 1143358.9/23

All: 22.957+/-0.003 χ^2/NDF: 2456248.3/48

- sign 23.150+/-0.005 χ^2/NDF: 1309742.7/24



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 235.645+/-74.530 χ^2/NDF:20.9/7

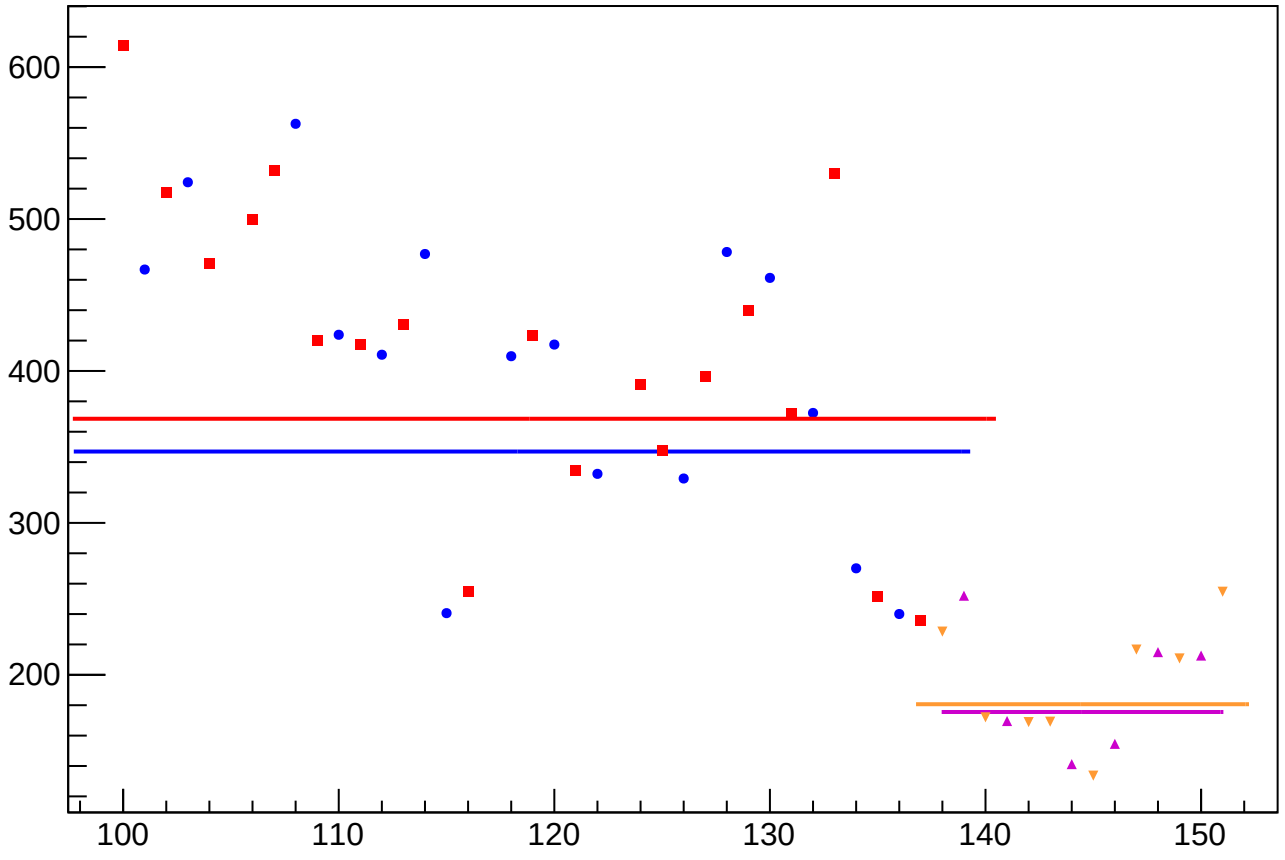
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 86.376+/-78.402 χ^2/NDF:3.2/5

+ sign 234.812+/-65.233 χ^2/NDF: 40.6/23

All: 185.130+/-47.215 χ^2/NDF: 58.0/48

- sign 130.464+/-68.427 χ^2/NDF: 16.2/24



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 180.656+/-0.053 χ^2/NDF:499344.4/7

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

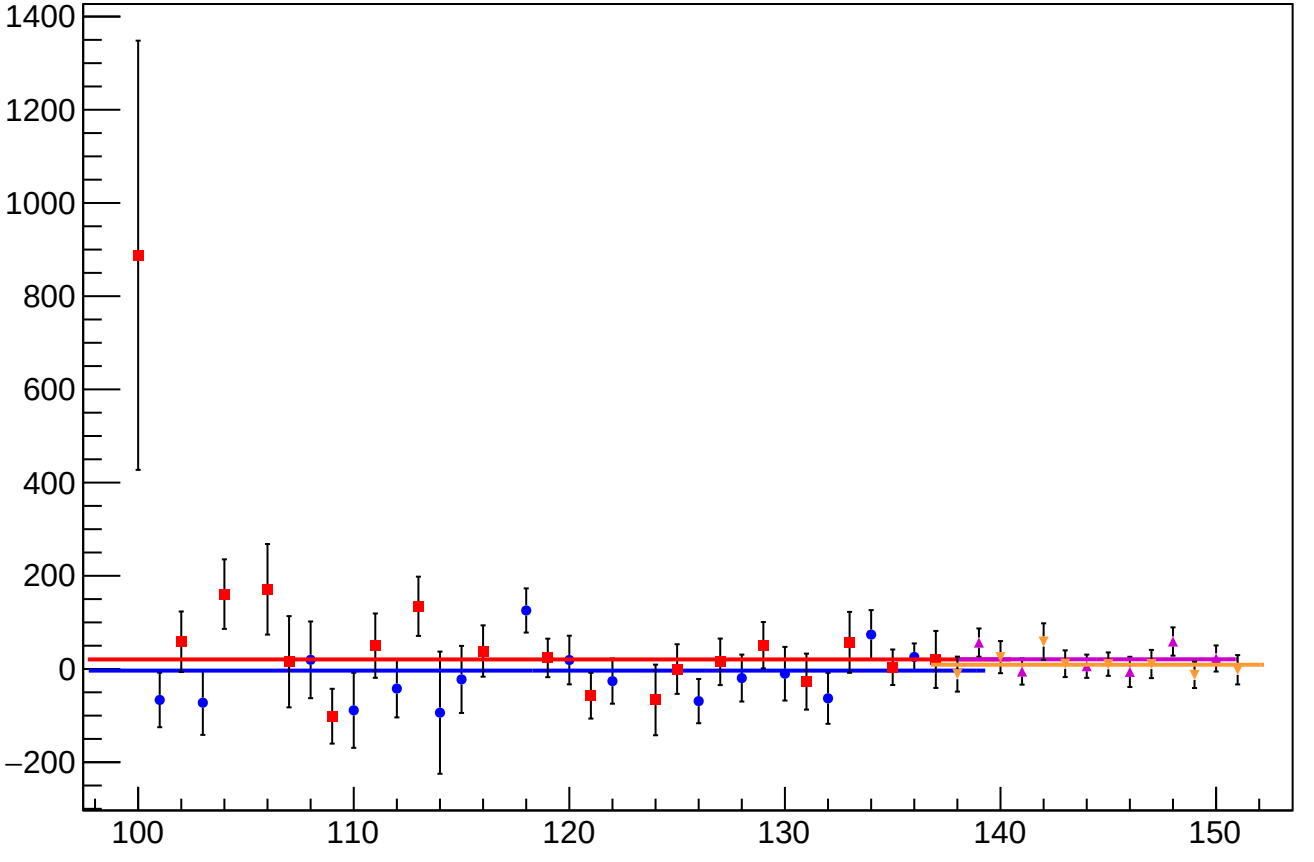
Left In: 175.541+/-0.055 χ^2/NDF:404490.7/5

+ sign 219.562+/-0.046 χ^2/NDF: 3887165.5/23

All: 220.498+/-0.033 χ^2/NDF: 8080549.0/48

- sign 221.527+/-0.048 χ^2/NDF: 4192519.7/24

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 9.205+/-10.942 χ^2/NDF:2.8/7

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

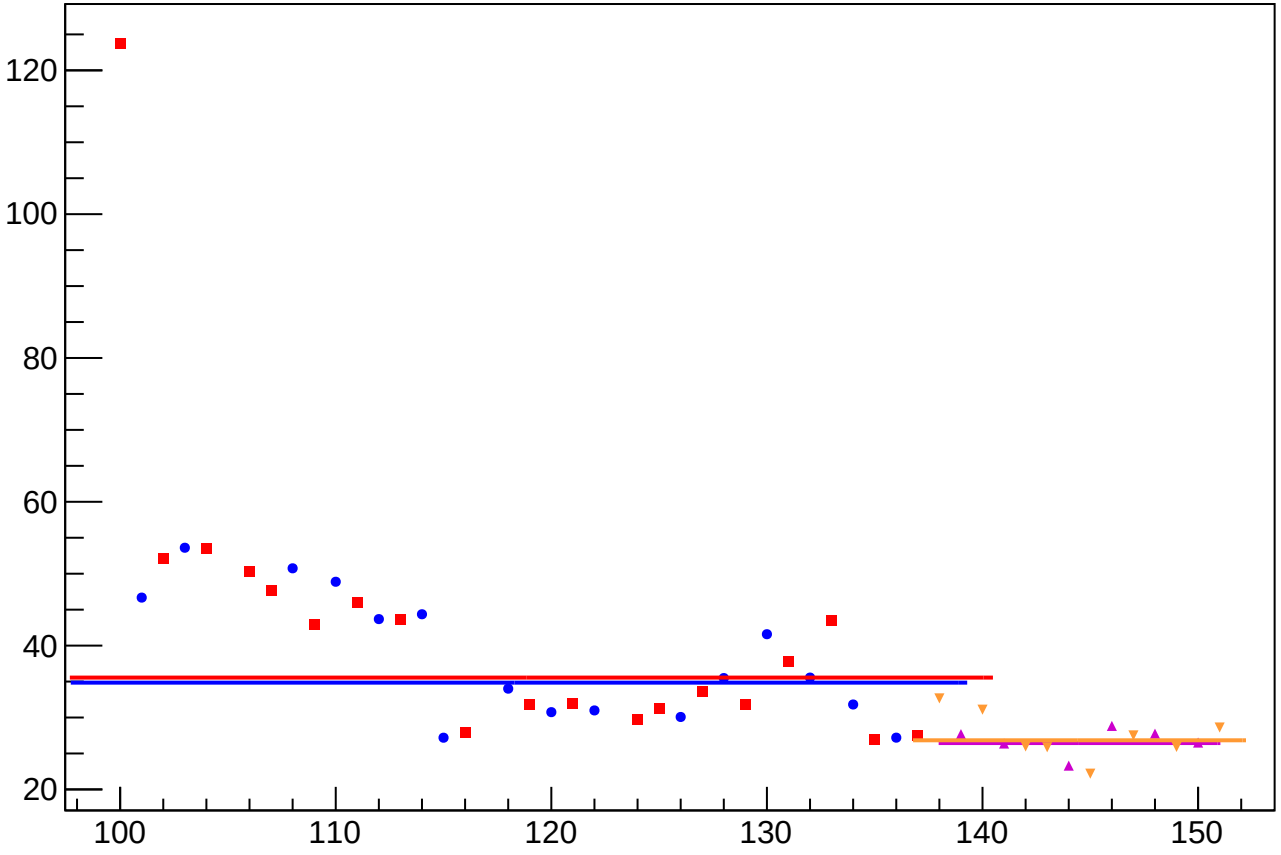
Left In: 20.844+/-11.737 χ^2/NDF:4.9/5

+ sign 4.150+/-8.473 χ^2/NDF: 21.8/23

All: 12.077+/-6.121 χ^2/NDF: 51.7/48

- sign 20.725+/-8.850 χ^2/NDF: 28.0/24

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 26.832+/-0.008 χ^2/NDF:159921.1/7

Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

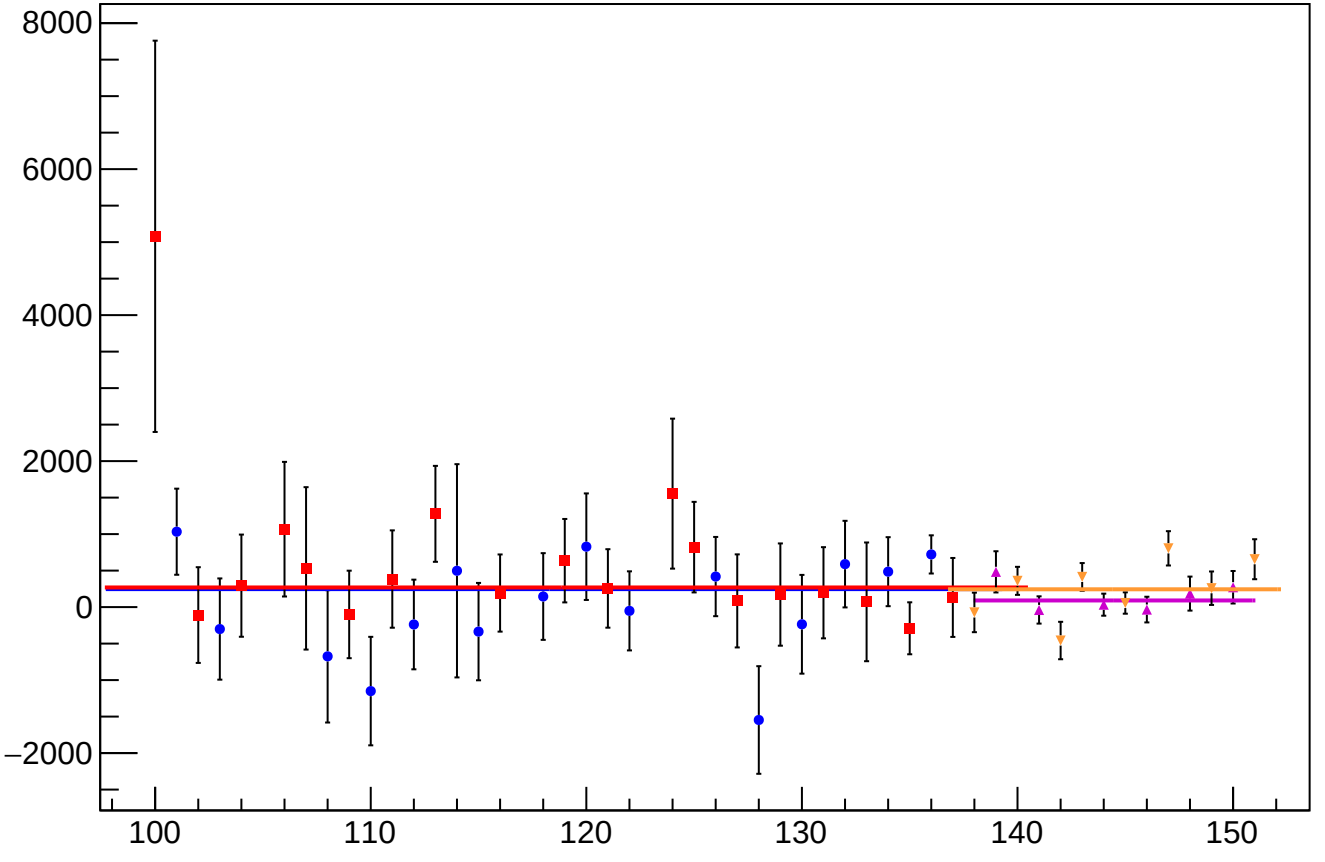
Left In: 26.450+/-0.008 χ^2/NDF:49571.5/5

+ sign 30.042+/-0.006 χ^2/NDF: 1247970.0/23

All: 30.202+/-0.004 χ^2/NDF: 2597898.9/48

- sign 30.377+/-0.006 χ^2/NDF: 1348435.0/24

asym_sam_1357_2468_dd_dit_correction_mean vs Slug



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 243.907+/-74.362 χ^2/NDF:19.6/7

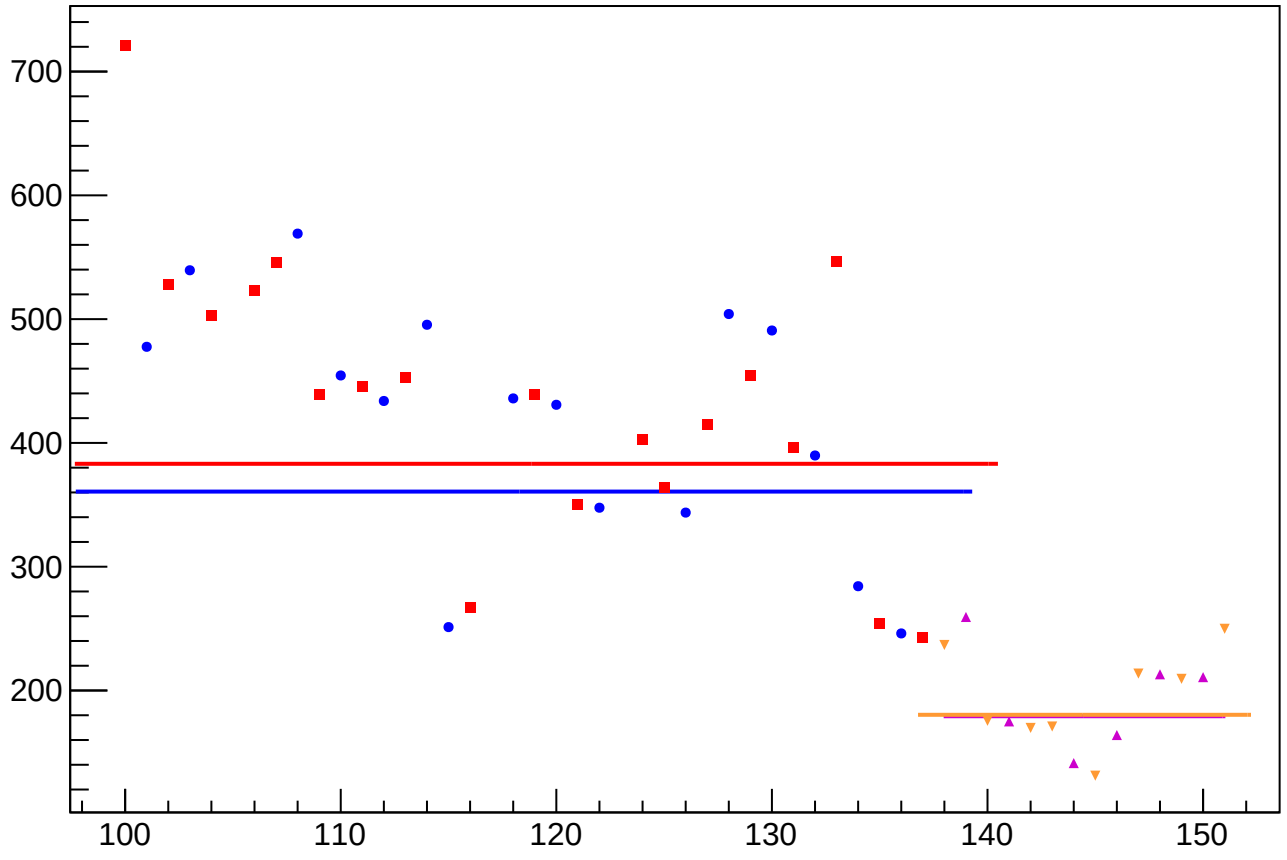
Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 90.963+/-80.084 χ^2/NDF:3.9/5

+ sign 244.477+/-65.701 χ^2/NDF: 39.4/23

All: 192.107+/-47.949 χ^2/NDF: 58.4/48

- sign 132.428+/-70.136 χ^2/NDF: 17.7/24



Right In: 360.692+/-0.099 χ^2/NDF: 1092760.6/15

Left Out: 180.367+/-0.053 χ^2/NDF:523237.9/7

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

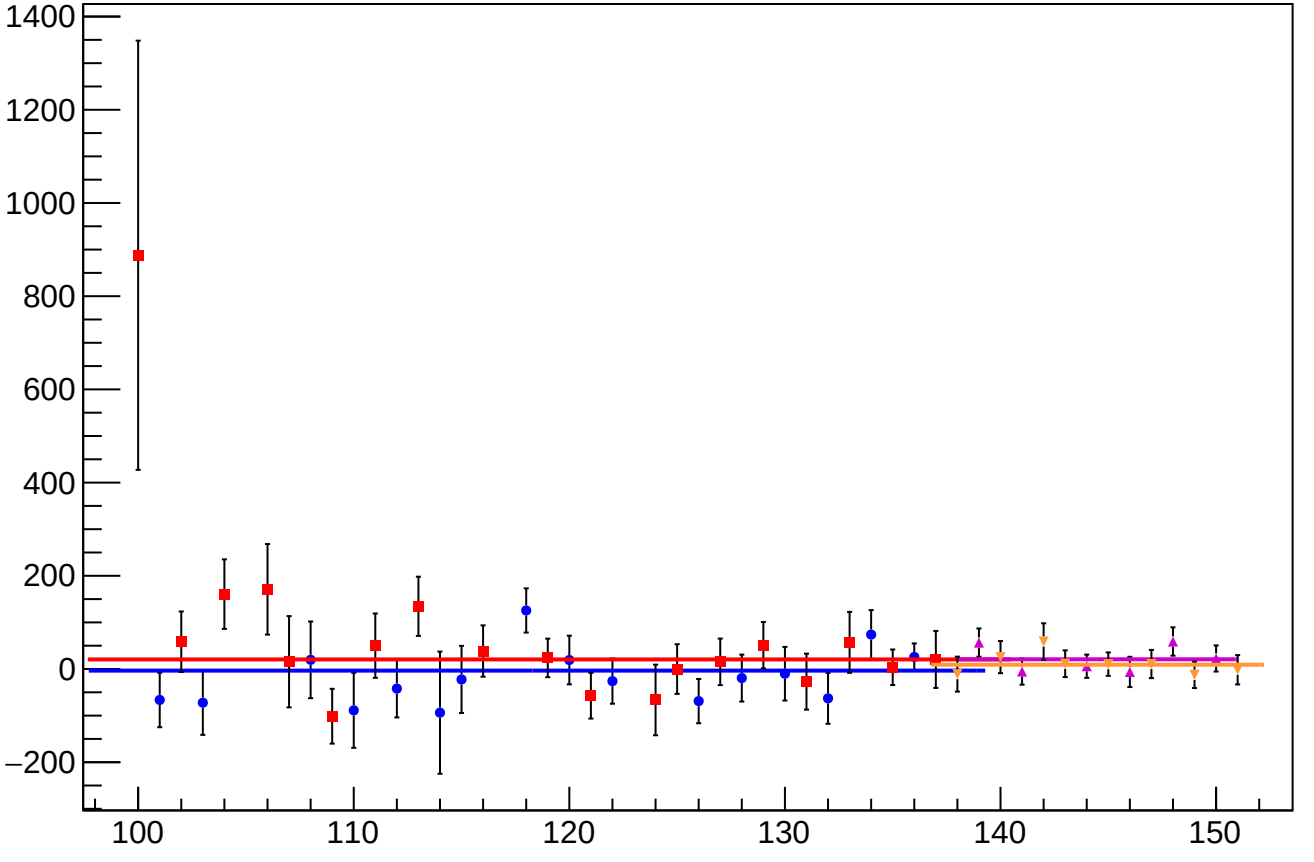
Left In: 179.207+/-0.057 χ^2/NDF:385461.3/5

+ sign 219.925+/-0.046 χ^2/NDF: 4196053.4/23

All: 223.103+/-0.034 χ^2/NDF: 8576378.9/48

- sign 226.724+/-0.050 χ^2/NDF: 4370316.6/24

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 9.205+/-10.942 χ^2/NDF:2.8/7

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

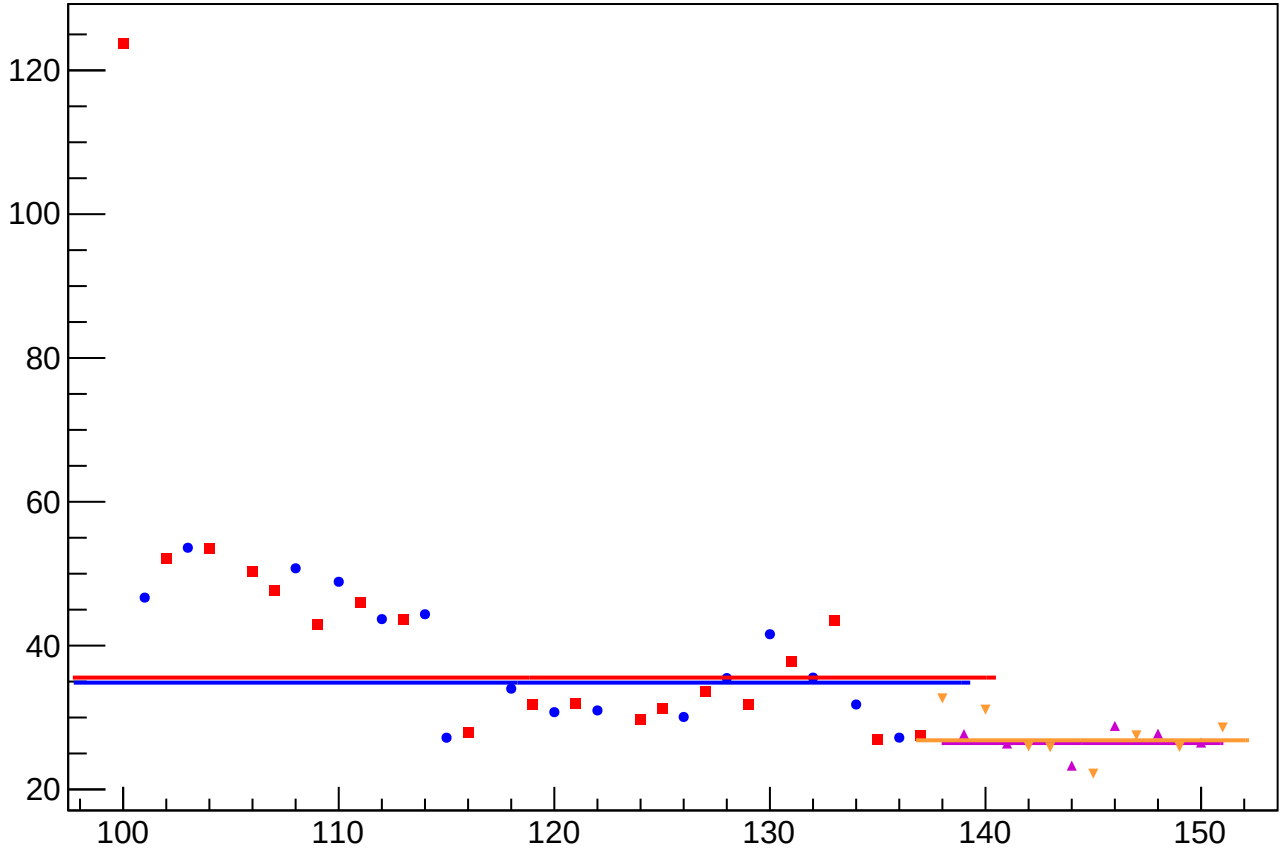
Left In: 20.844+/-11.737 χ^2/NDF:4.9/5

+ sign 4.149+/-8.473 χ^2/NDF: 21.8/23

All: 12.077+/-6.120 χ^2/NDF: 51.7/48

- sign 20.725+/-8.850 χ^2/NDF: 28.0/24

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 26.832+/-0.008 χ^2/NDF:159905.2/7

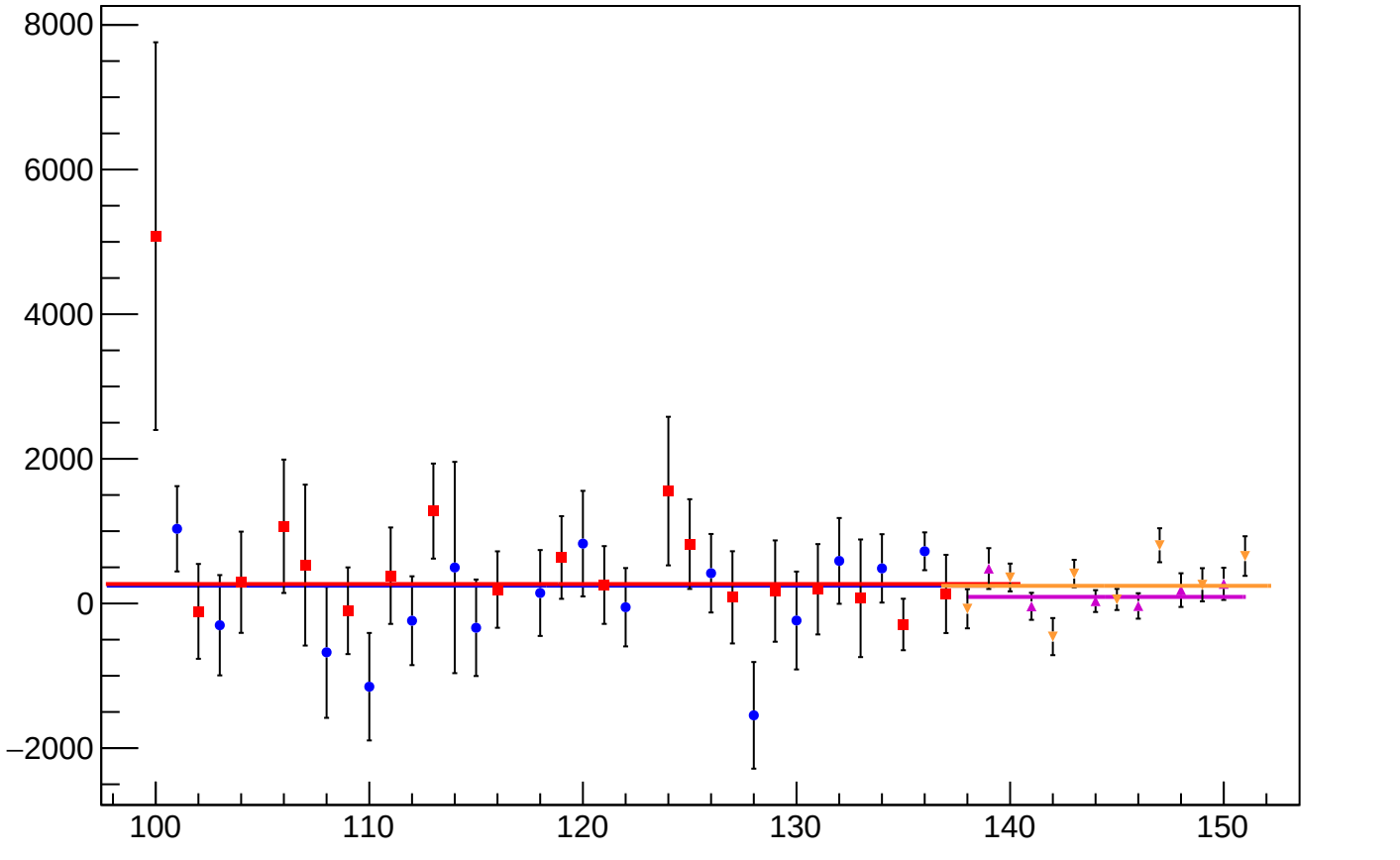
Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 26.450+/-0.008 χ^2/NDF:49567.2/5

+ sign 30.042+/-0.006 χ^2/NDF: 1247851.2/23

All: 30.202+/-0.004 χ^2/NDF: 2597708.6/48

- sign 30.377+/-0.006 χ^2/NDF: 1348363.8/24



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 243.906+/-74.362 χ^2/NDF:19.6/7

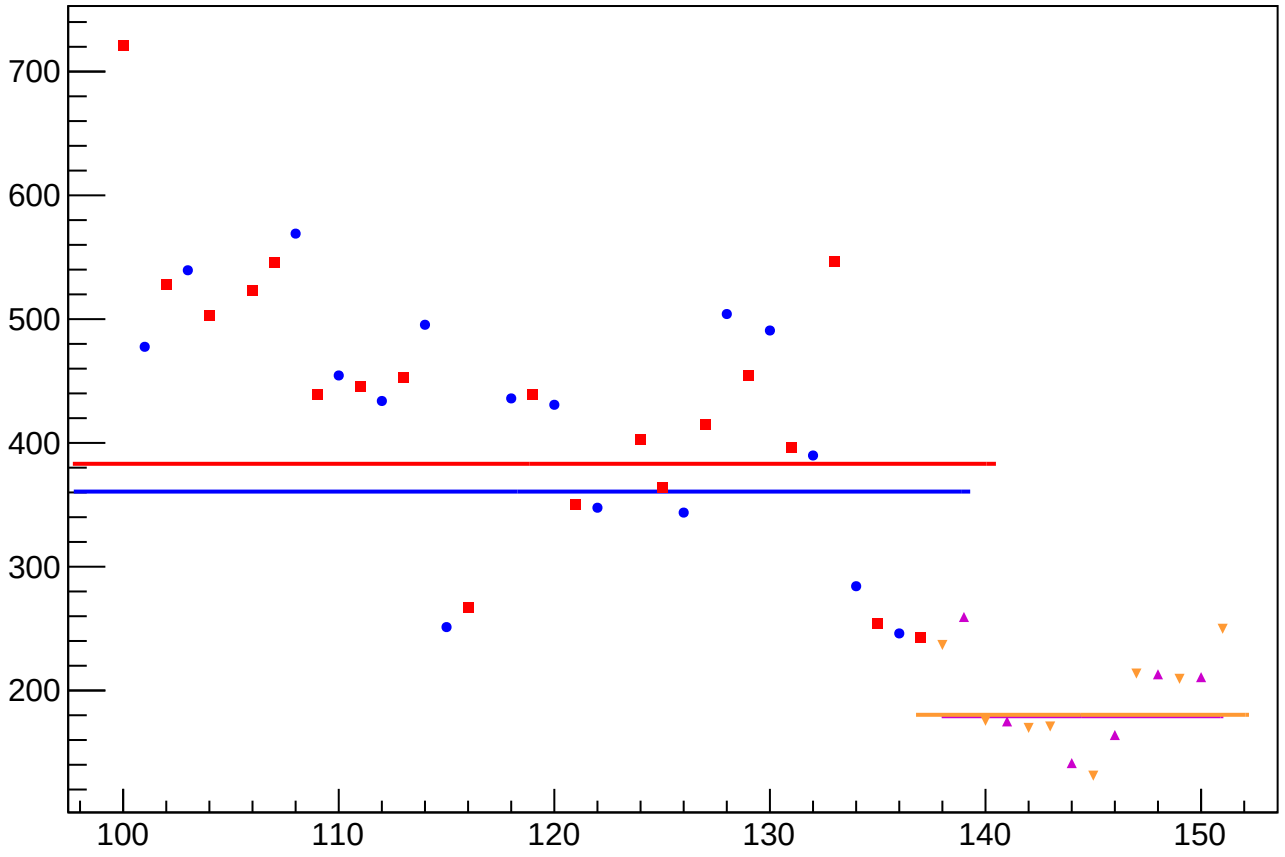
Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 90.963+/-80.084 χ^2/NDF:3.9/5

+ sign 244.476+/-65.701 χ^2/NDF: 39.4/23

All: 192.107+/-47.949 χ^2/NDF: 58.4/48

- sign 132.428+/-70.136 χ^2/NDF: 17.7/24



Right In: 360.691+/-0.099 χ^2/NDF: 1092752.5/15

Left Out: 180.366+/-0.053 χ^2/NDF:523246.2/7

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

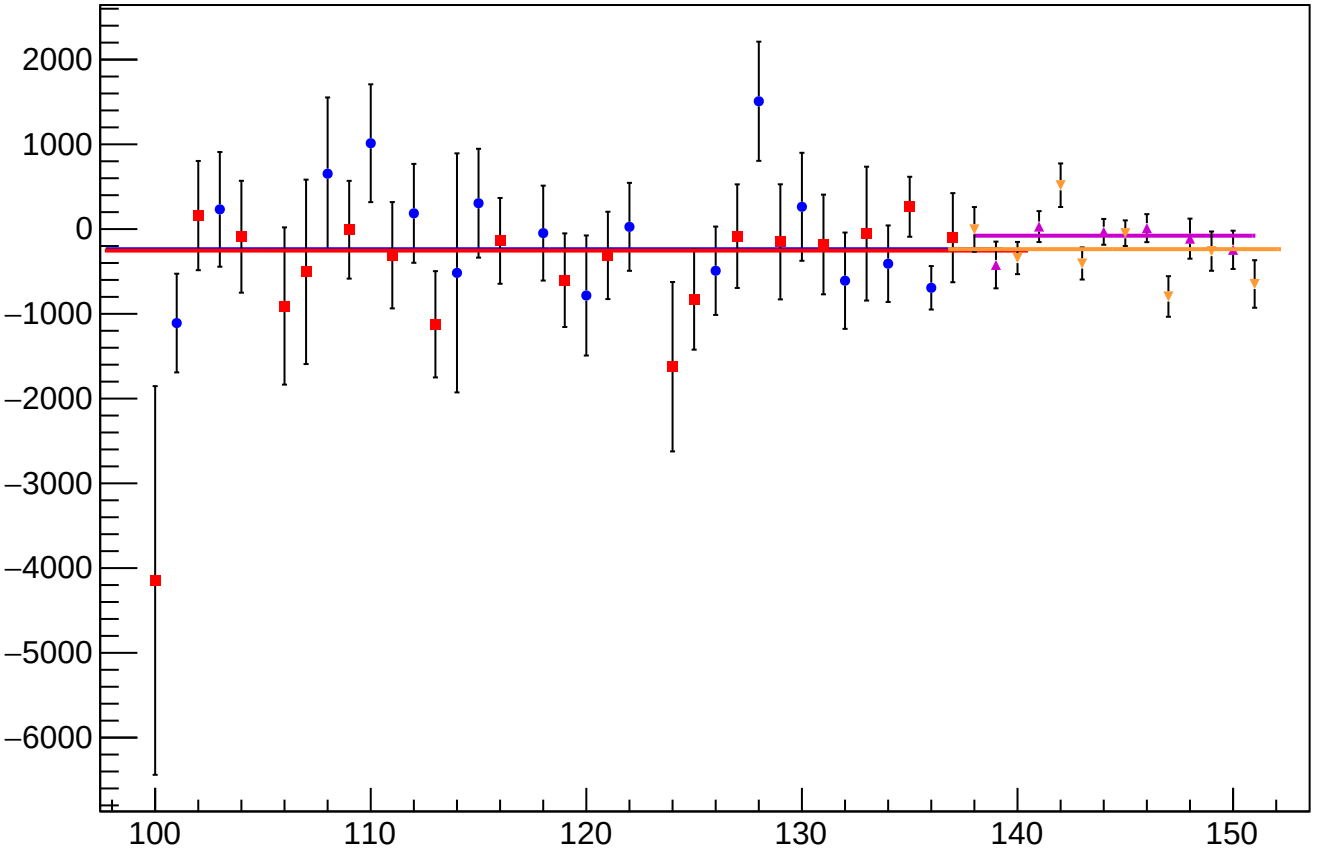
Left In: 179.206+/-0.057 χ^2/NDF:385459.7/5

+ sign 219.925+/-0.046 χ^2/NDF: 4196062.5/23

All: 223.102+/-0.034 χ^2/NDF: 8576383.2/48

- sign 226.723+/-0.050 χ^2/NDF: 4370311.0/24

asym_sam_1357_2468_dd_mean vs Slug



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -236.721+/-75.044 χ^2/NDF:19.6/7

Right Out: -253.445+/-140.414 χ^2/NDF: 11.7/18

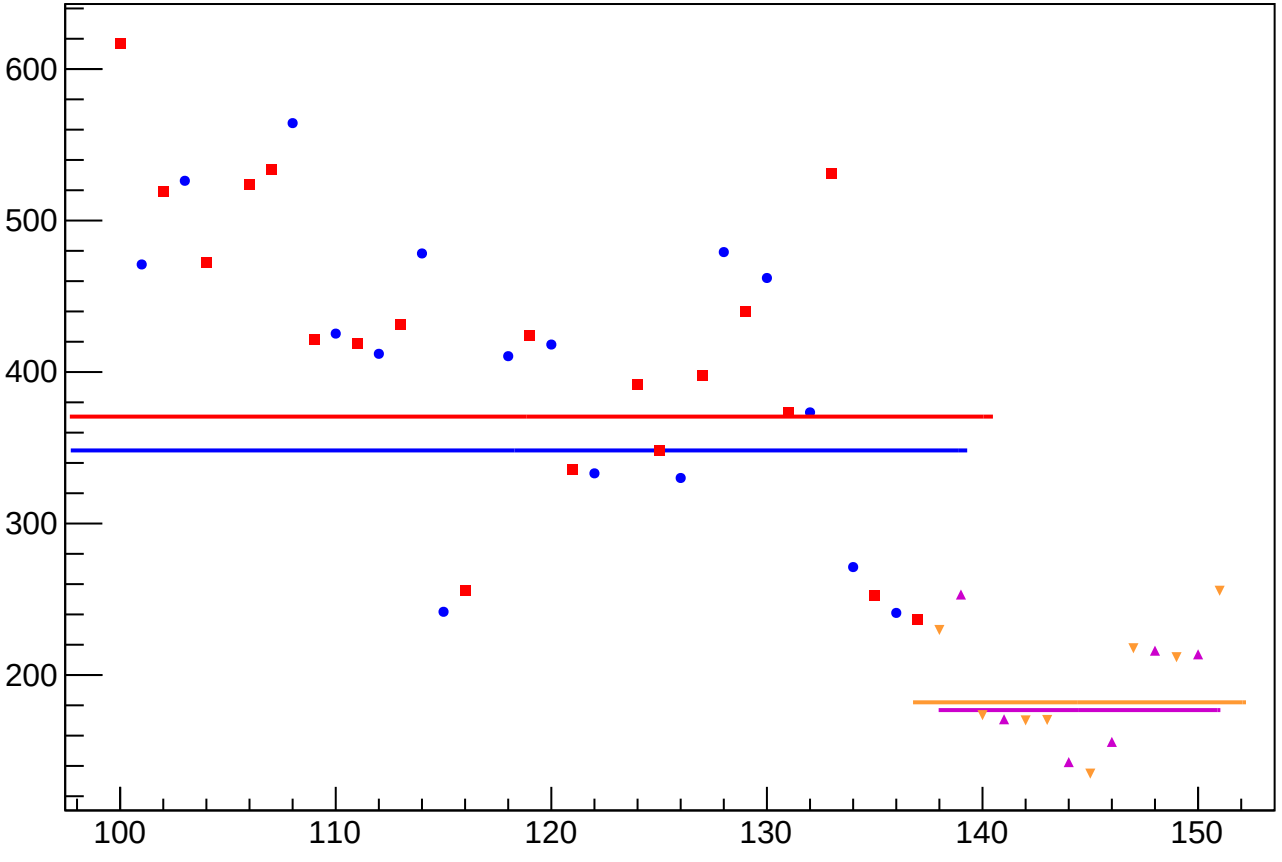
Left In: -78.066+/-78.956 χ^2/NDF:2.9/5

+ sign -237.032+/-65.631 χ^2/NDF: 39.6/23

All: -181.385+/-47.496 χ^2/NDF: 56.8/48

- sign -120.198+/-68.822 χ^2/NDF: 15.7/24

asym_sam_1357_2468_dd_rms vs Slug



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 181.983+/-0.053 χ^2/NDF:490638.2/7

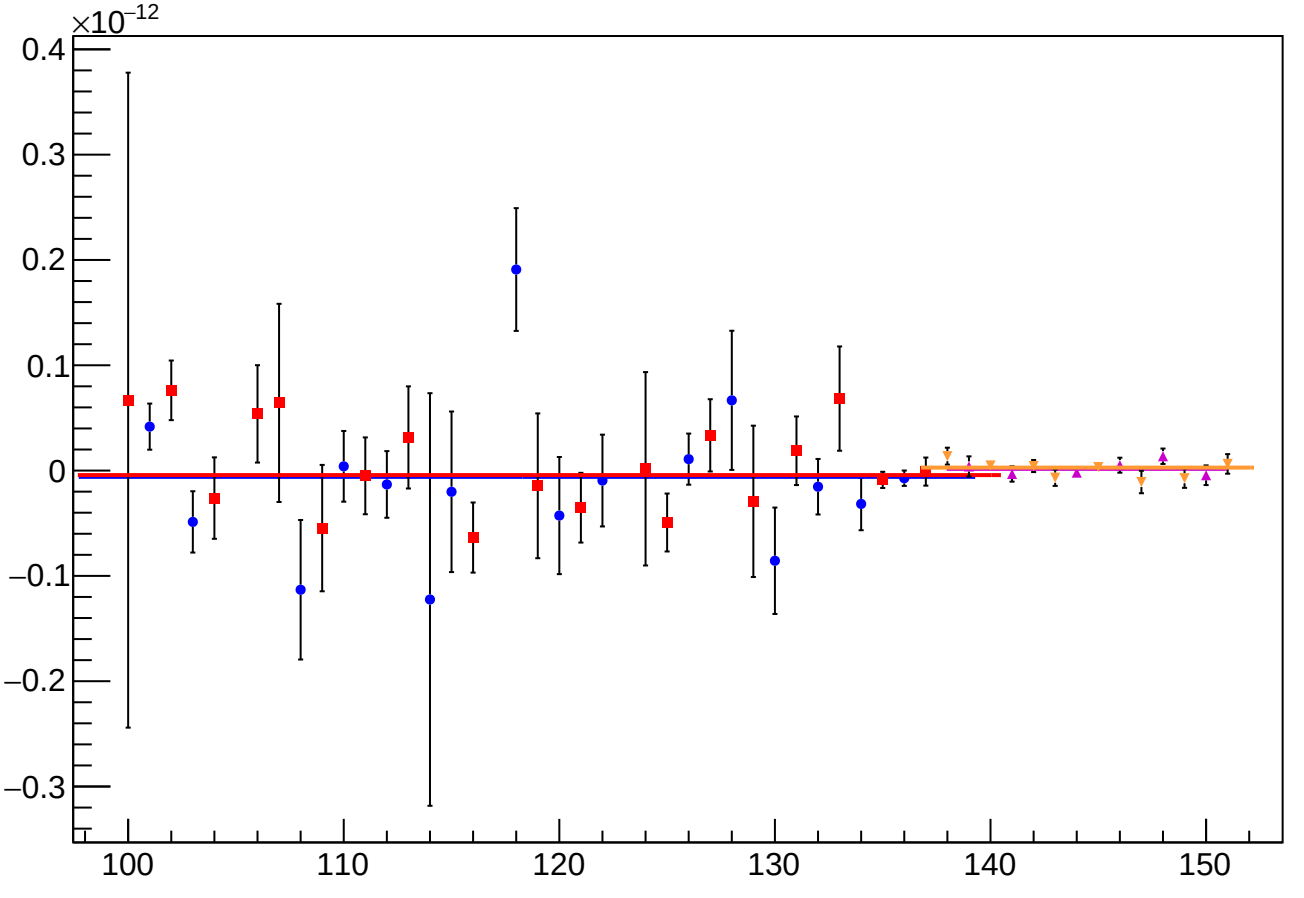
Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 176.856+/-0.056 χ^2/NDF:397591.4/5

+ sign 221.079+/-0.046 χ^2/NDF: 3855965.1/23

All: 222.182+/-0.034 χ^2/NDF: 8065218.2/48

- sign 223.396+/-0.049 χ^2/NDF: 4208065.6/24



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.7/7

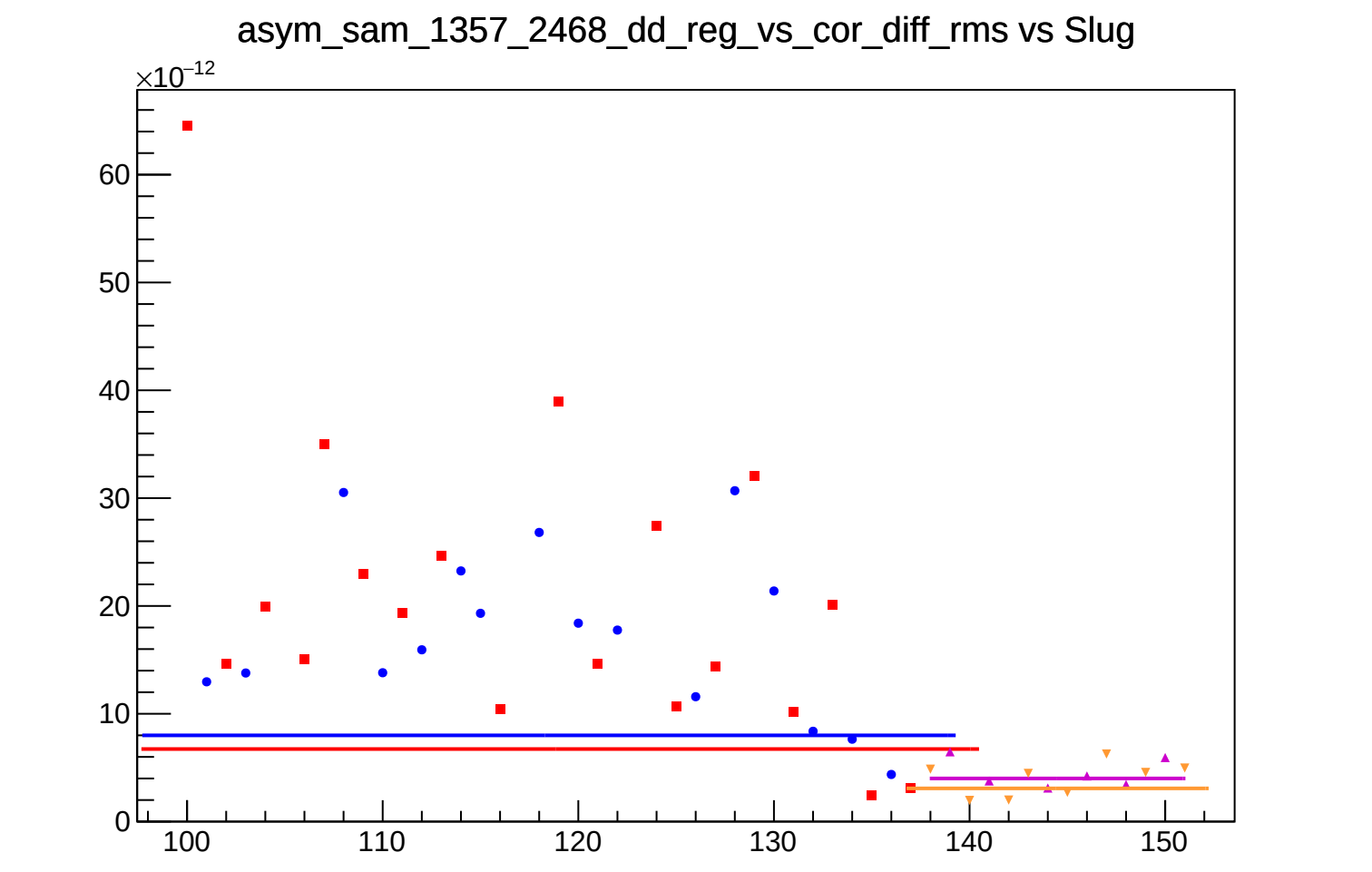
Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/18

Left In: 0.000+/-0.000 χ^2/NDF:4.4/5

+ sign 0.000+/-0.000 χ^2/NDF: 36.1/23

All: 0.000+/-0.000 χ^2/NDF: 64.5/48

- sign 0.000+/-0.000 χ^2/NDF: 28.3/24



Right In: 0.000+/-0.000 χ^2/NDF: 1949755.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:711048.3/7

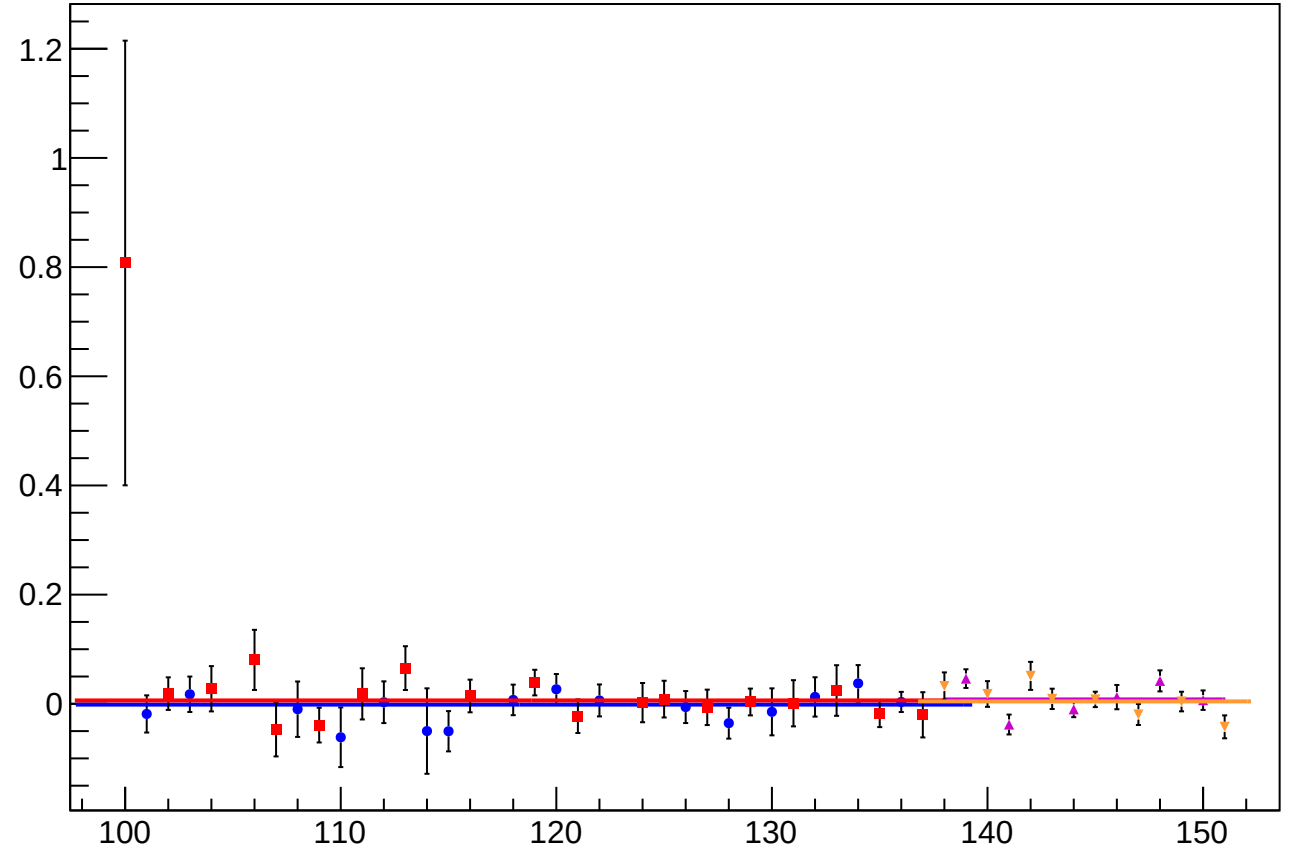
Right Out: 0.000+/-0.000 χ^2/NDF: 3379574.5/18

Left In: 0.000+/-0.000 χ^2/NDF:304765.7/5

+ sign 0.000+/-0.000 χ^2/NDF: 3957679.8/23

All: 0.000+/-0.000 χ^2/NDF: 8155243.4/48

- sign 0.000+/-0.000 χ^2/NDF: 4066114.3/24



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.007 χ^2/NDF:11.5/7

Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

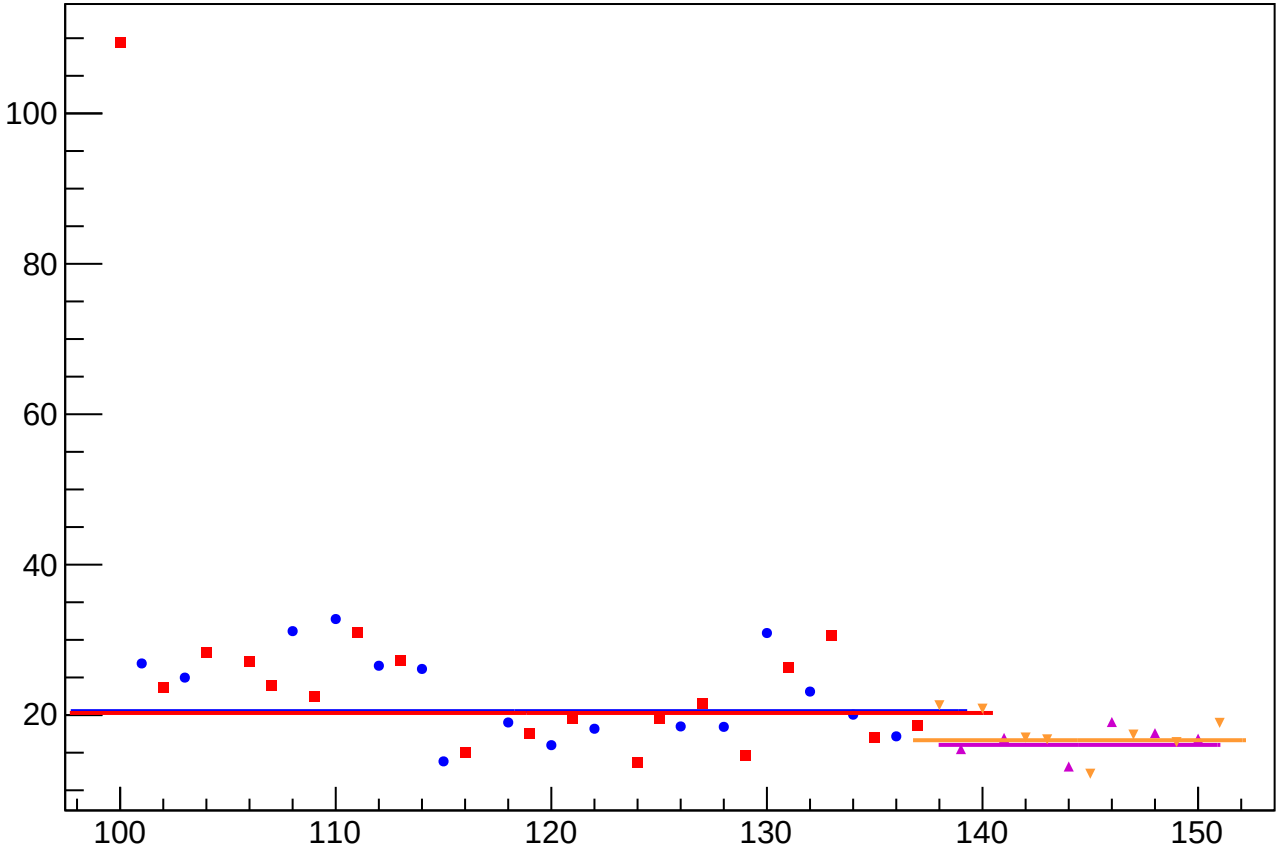
Left In: 0.008+/-0.007 χ^2/NDF:16.1/5

+ sign 0.002+/-0.005 χ^2/NDF: 20.1/23

All: 0.005+/-0.004 χ^2/NDF: 52.9/48

- sign 0.007+/-0.005 χ^2/NDF: 32.3/24

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 16.657+/-0.005 χ^2/NDF:359358.6/7

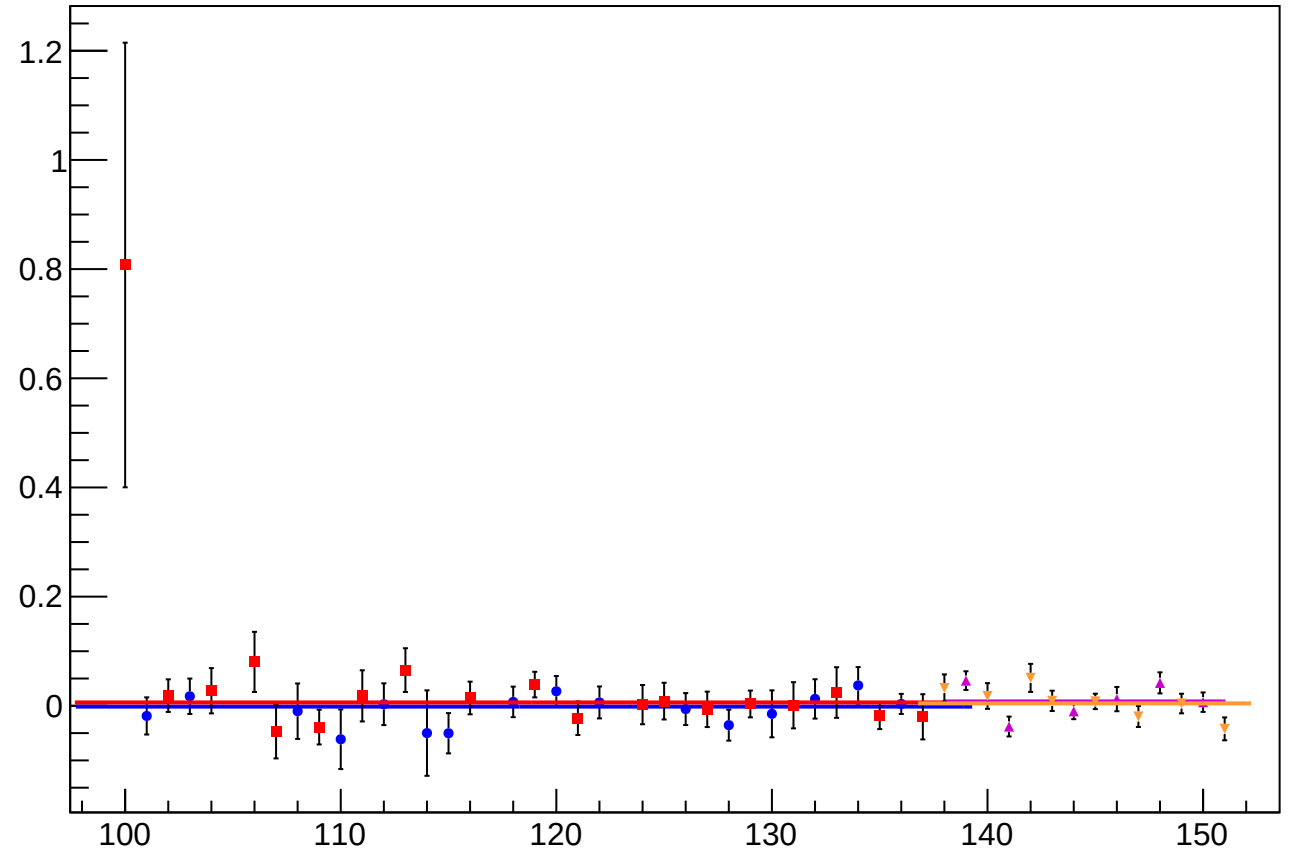
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.037+/-0.005 χ^2/NDF:141811.5/5

+ sign 18.296+/-0.004 χ^2/NDF: 1330144.1/23

All: 18.139+/-0.003 χ^2/NDF: 2654612.3/48

- sign 17.977+/-0.004 χ^2/NDF: 1320840.7/24



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.007 χ^2/NDF:11.5/7

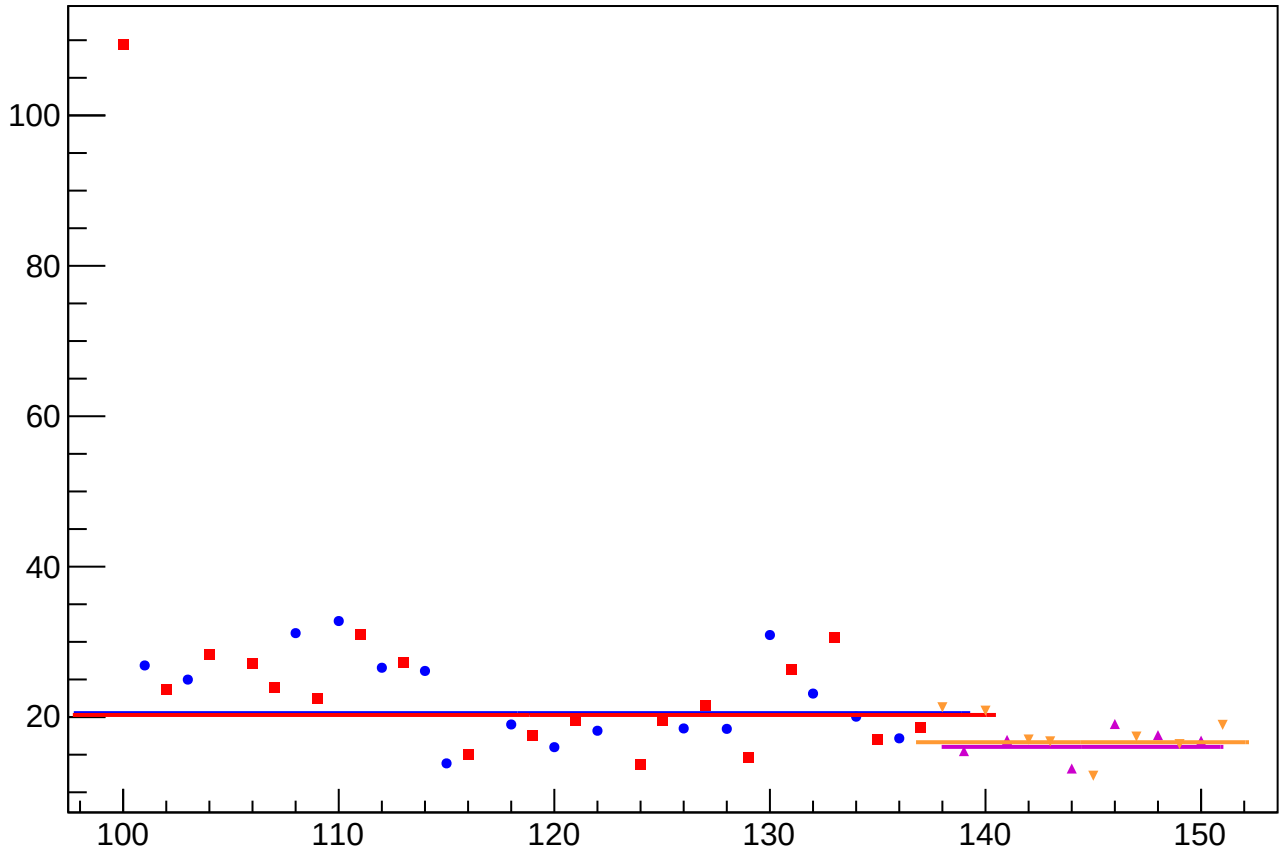
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.008+/-0.007 χ^2/NDF:16.1/5

+ sign 0.002+/-0.005 χ^2/NDF: 20.1/23

All: 0.005+/-0.004 χ^2/NDF: 52.9/48

- sign 0.007+/-0.005 χ^2/NDF: 32.3/24



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 16.657+/-0.005 χ^2/NDF:359358.6/7

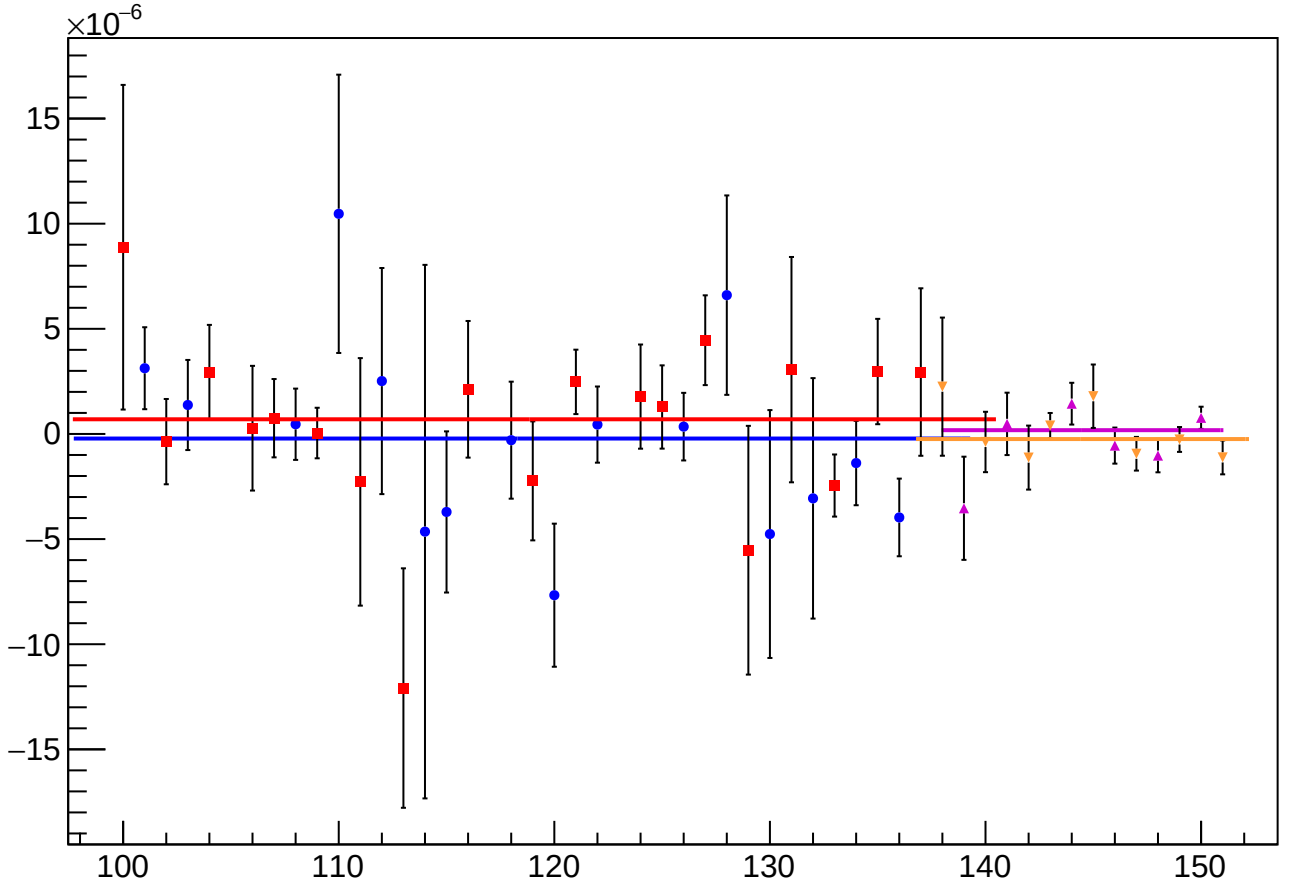
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.037+/-0.005 χ^2/NDF:141811.5/5

+ sign 18.296+/-0.004 χ^2/NDF: 1330144.1/23

All: 18.139+/-0.003 χ^2/NDF: 2654612.3/48

- sign 17.977+/-0.004 χ^2/NDF: 1320840.7/24



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.8/7

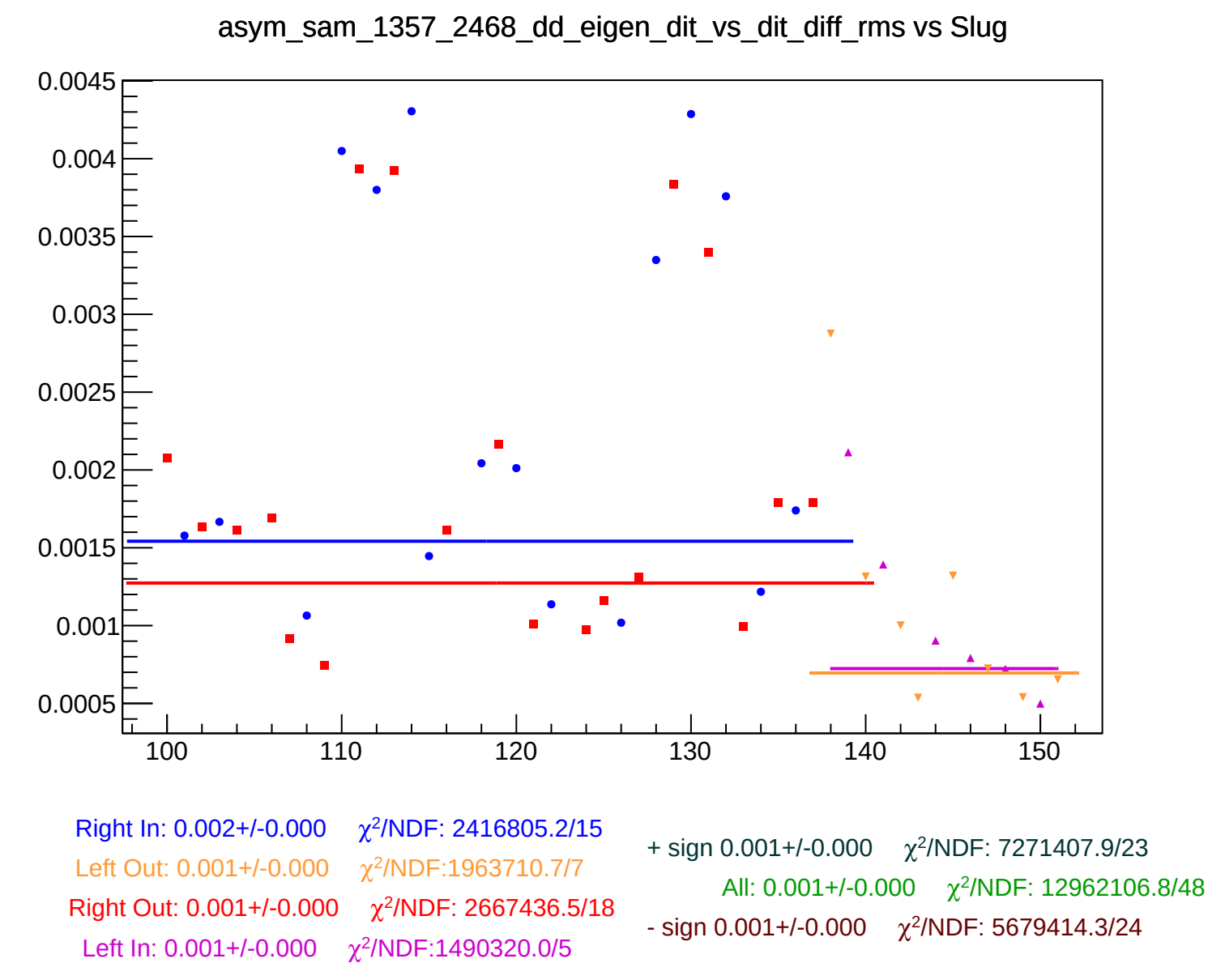
Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/18

Left In: 0.000+/-0.000 χ^2/NDF:8.2/5

+ sign -0.000+/-0.000 χ^2/NDF: 25.7/23

All: 0.000+/-0.000 χ^2/NDF: 57.7/48

- sign 0.000+/-0.000 χ^2/NDF: 29.9/24


asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.0045
0.004
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0.003
0.0025
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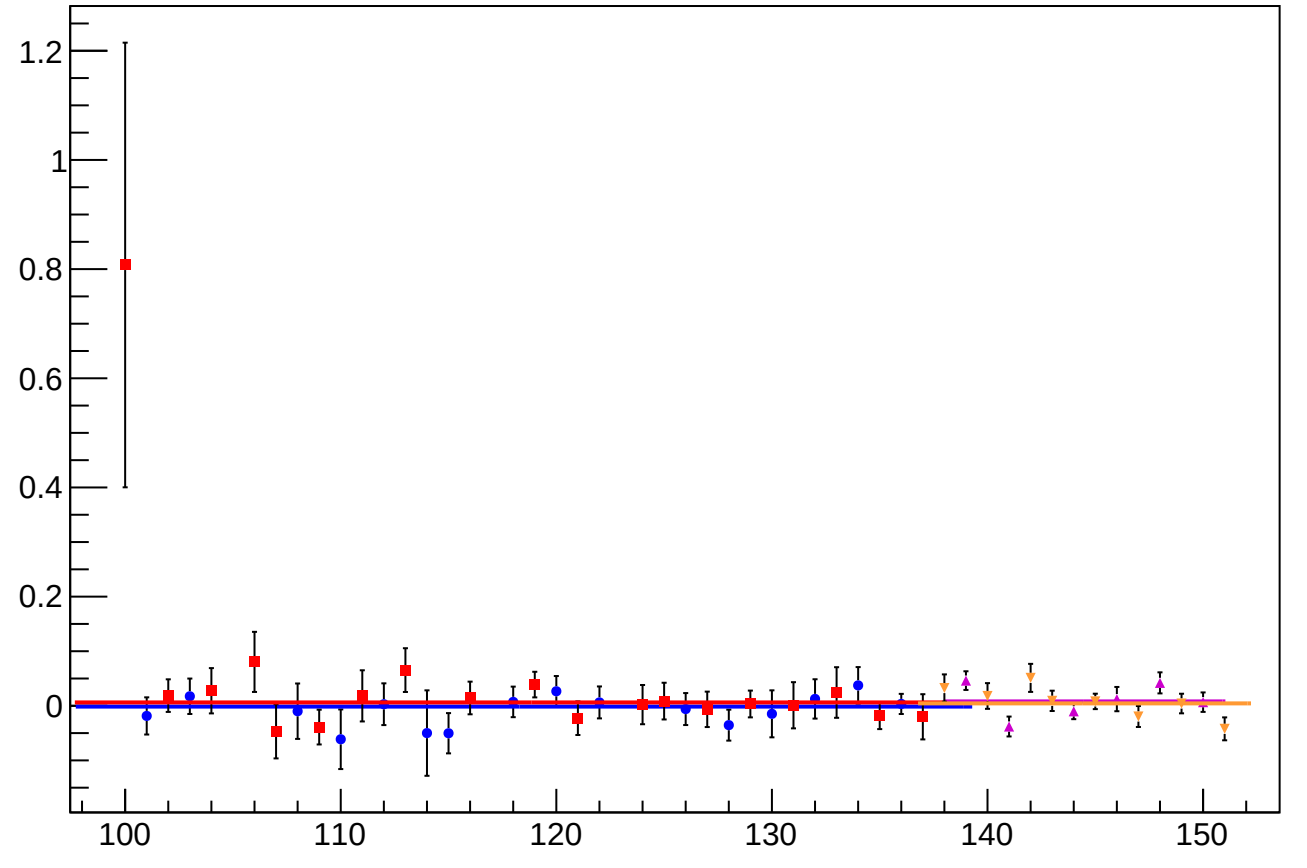
0.0015
0.001
0.0005
100
110
120
130
140
150
Right In: 0.002+/-0.000 χ²/NDF: 2416805.2/15
Left Out: 0.001+/-0.000 χ²/NDF:1963710.7/7
Right Out: 0.001+/-0.000 χ²/NDF: 2667436.5/18
Left In: 0.001+/-0.000 χ²/NDF:1490320.0/5
+ sign 0.001+/-0.000 χ²/NDF: 7271407.9/23
All: 0.001+/-0.000 χ²/NDF: 12962106.8/48
- sign 0.001+/-0.000 χ²/NDF: 5679414.3/24



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.007 χ^2/NDF:11.5/7

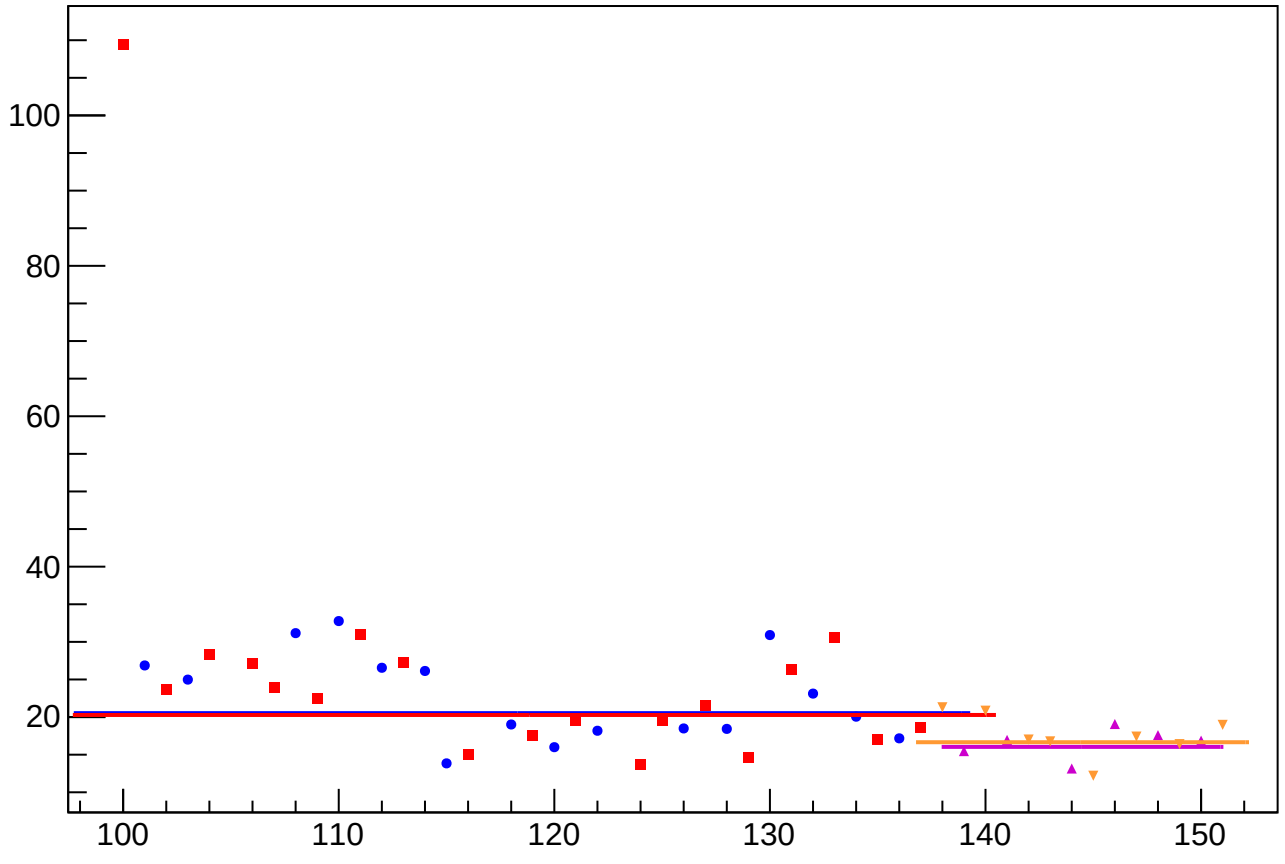
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.008+/-0.007 χ^2/NDF:16.1/5

+ sign 0.002+/-0.005 χ^2/NDF: 20.1/23

All: 0.005+/-0.004 χ^2/NDF: 52.9/48

- sign 0.007+/-0.005 χ^2/NDF: 32.3/24



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 16.657+/-0.005 χ^2/NDF:359291.4/7

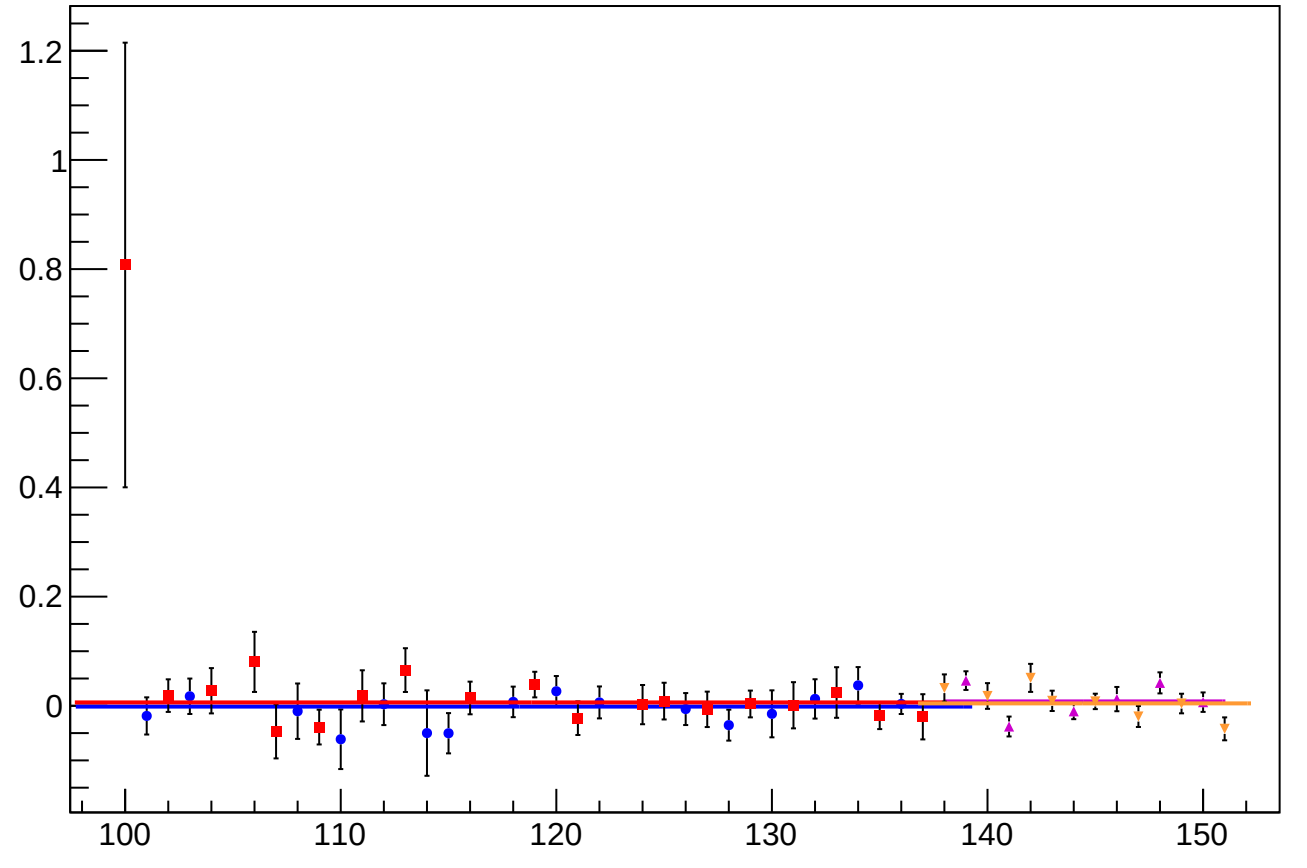
Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.037+/-0.005 χ^2/NDF:141812.3/5

+ sign 18.296+/-0.004 χ^2/NDF: 1329858.9/23

All: 18.139+/-0.003 χ^2/NDF: 2654255.1/48

- sign 17.977+/-0.004 χ^2/NDF: 1320763.6/24



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.007 χ^2/NDF:11.5/7

Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

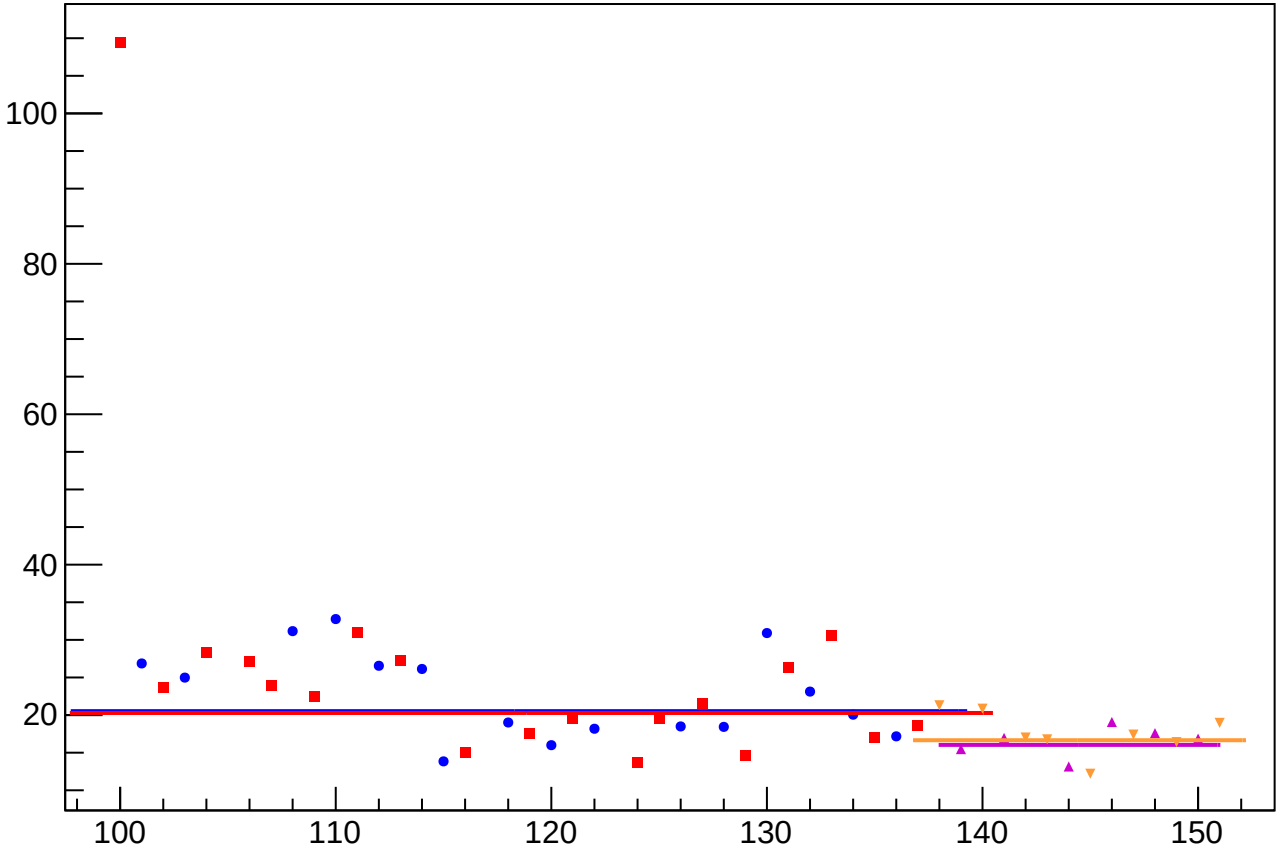
Left In: 0.008+/-0.007 χ^2/NDF:16.1/5

+ sign 0.002+/-0.005 χ^2/NDF: 20.1/23

All: 0.005+/-0.004 χ^2/NDF: 52.9/48

- sign 0.007+/-0.005 χ^2/NDF: 32.3/24

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 16.657+/-0.005 χ^2/NDF:359291.4/7

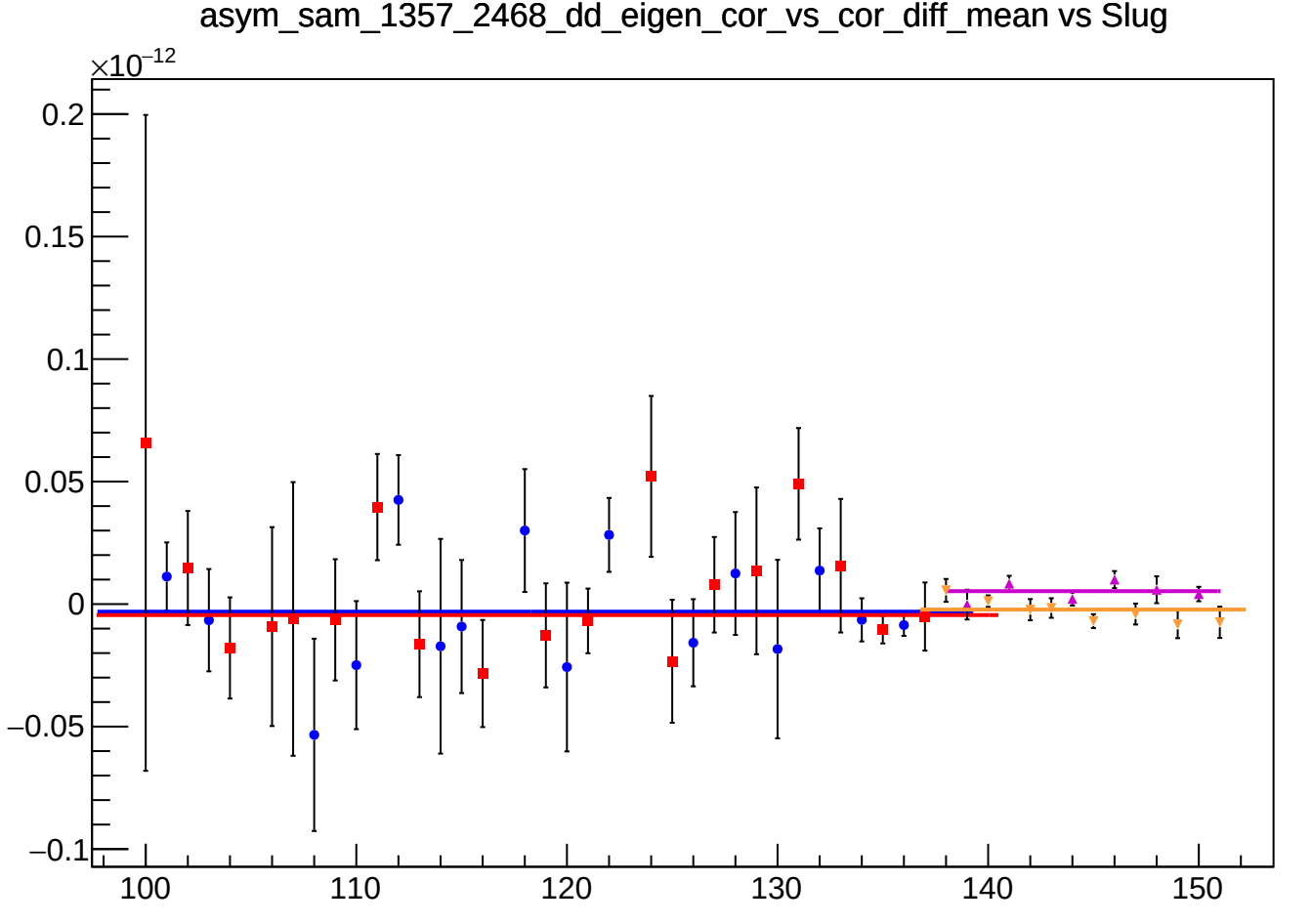
Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.037+/-0.005 χ^2/NDF:141812.3/5

+ sign 18.296+/-0.004 χ^2/NDF: 1329858.9/23

All: 18.139+/-0.003 χ^2/NDF: 2654255.1/48

- sign 17.977+/-0.004 χ^2/NDF: 1320763.6/24



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.7/7

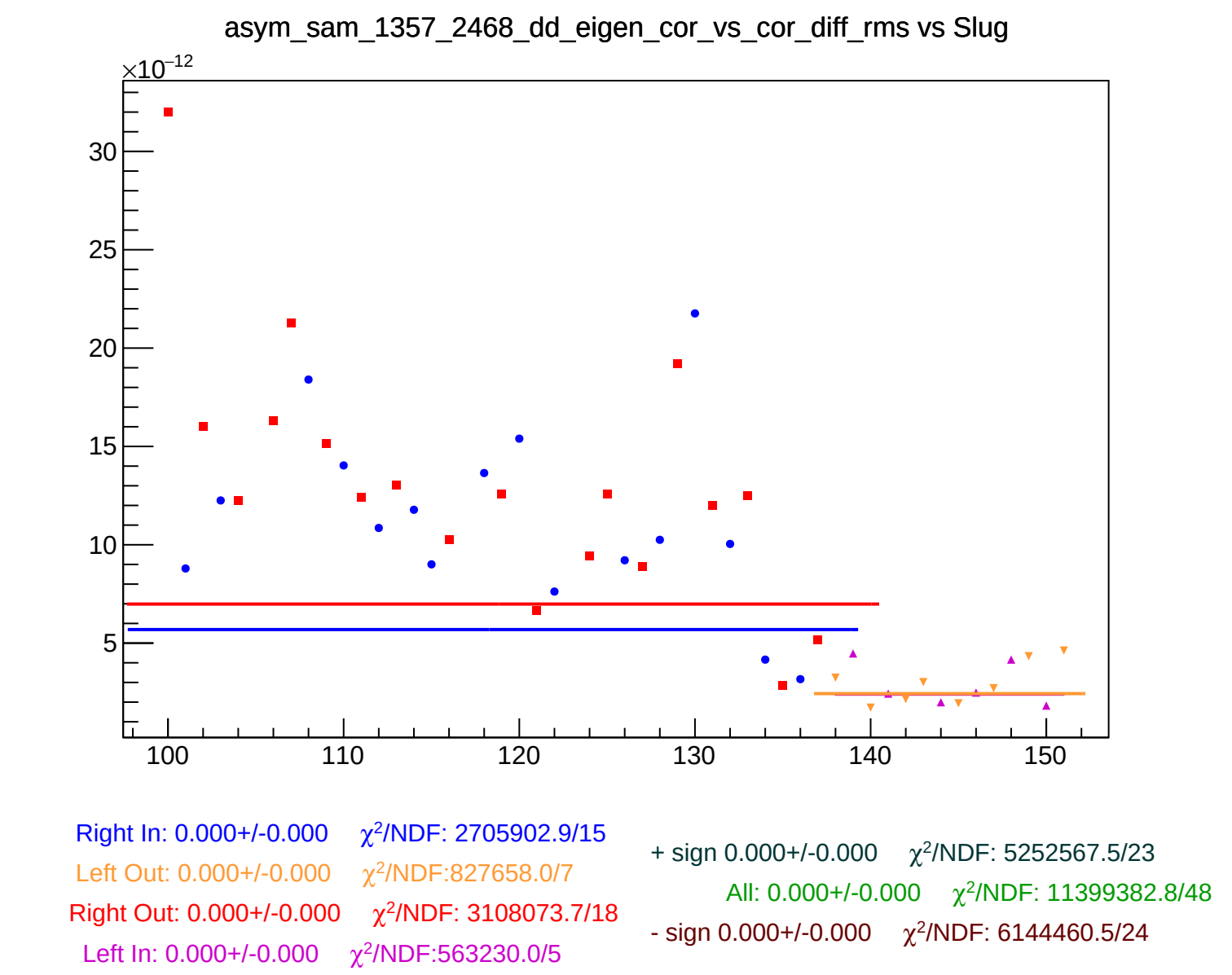
Right Out: -0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: 0.000+/-0.000 χ^2/NDF:5.1/5

+ sign -0.000+/-0.000 χ^2/NDF: 29.8/23

All: 0.000+/-0.000 χ^2/NDF: 71.9/48

- sign 0.000+/-0.000 χ^2/NDF: 29.4/24


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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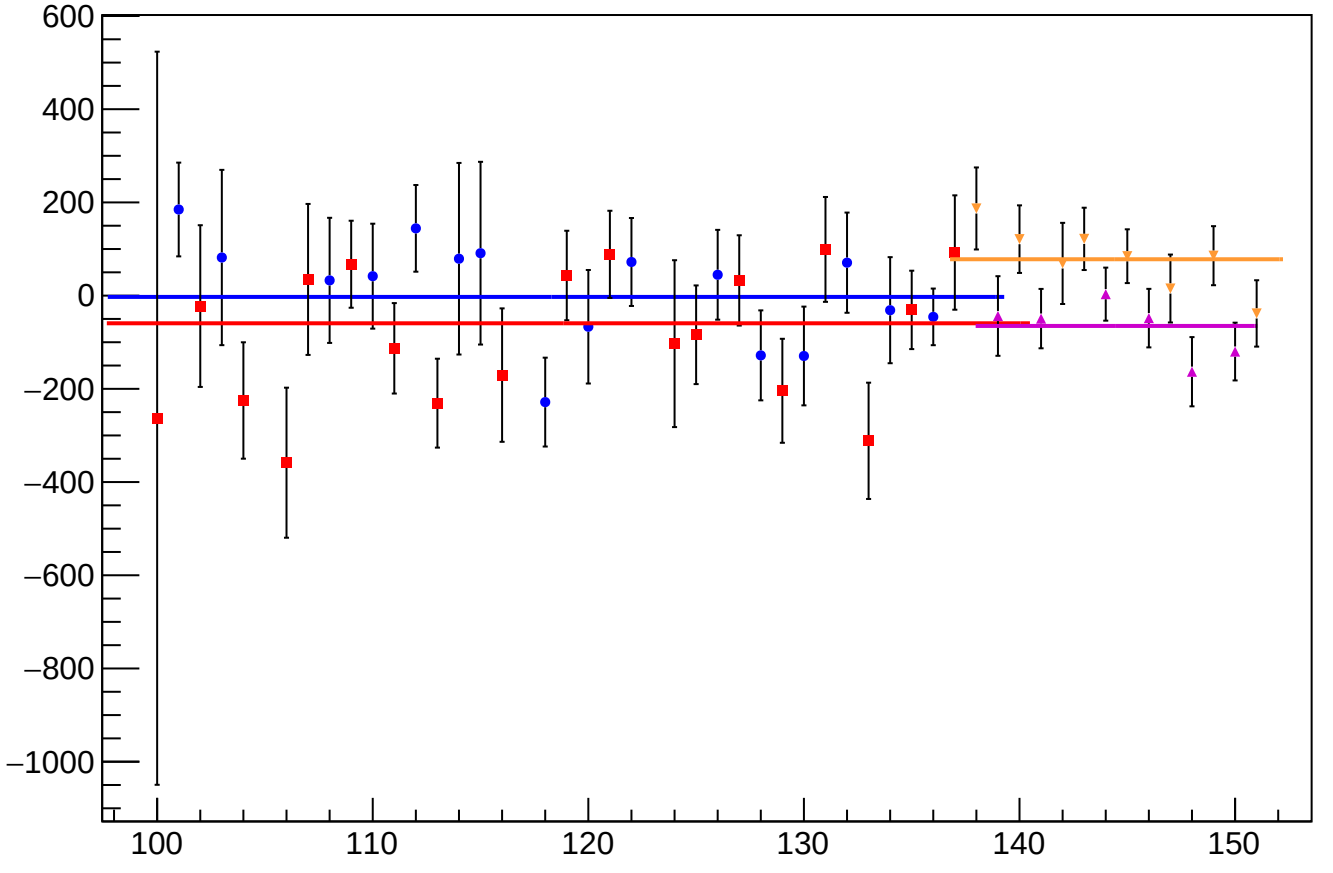
20
15
10
5
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2705902.9/15
Left Out: 0.000+/-0.000 χ²/NDF:827658.0/7
Right Out: 0.000+/-0.000 χ²/NDF: 3108073.7/18
Left In: 0.000+/-0.000 χ²/NDF:563230.0/5
+ sign 0.000+/-0.000 χ²/NDF: 5252567.5/23
All: 0.000+/-0.000 χ²/NDF: 11399382.8/48
- sign 0.000+/-0.000 χ²/NDF: 6144460.5/24

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 78.051+/-24.920 χ^2/NDF:5.8/7

Right Out: -59.349+/-26.382 χ^2/NDF: 25.7/18

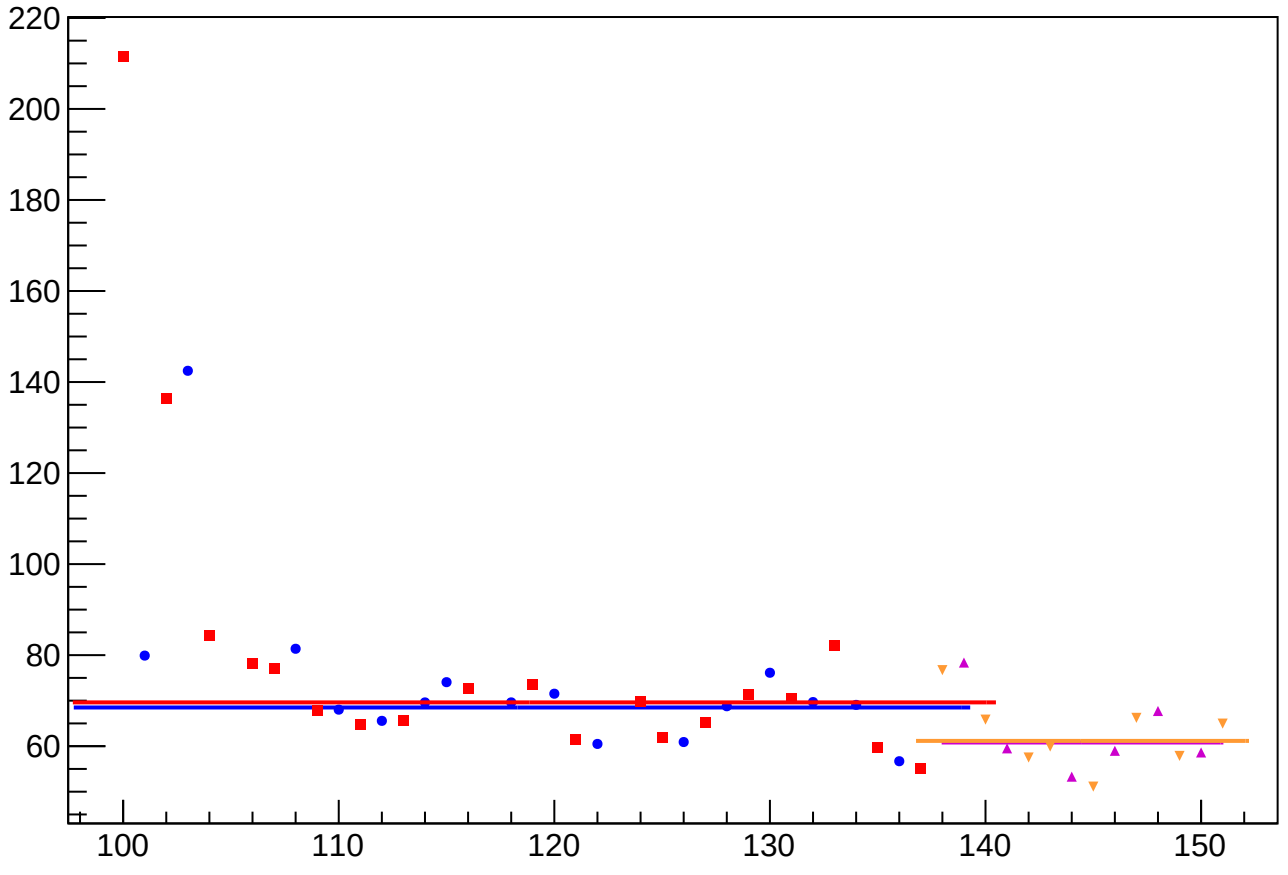
Left In: -65.040+/-26.846 χ^2/NDF:4.2/5

+ sign 39.685+/-18.061 χ^2/NDF: 28.5/23

All: -9.144+/-13.030 χ^2/NDF: 73.6/48

- sign -62.145+/-18.817 χ^2/NDF: 29.9/24

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 61.159+/-0.018 χ^2/NDF:156298.5/7

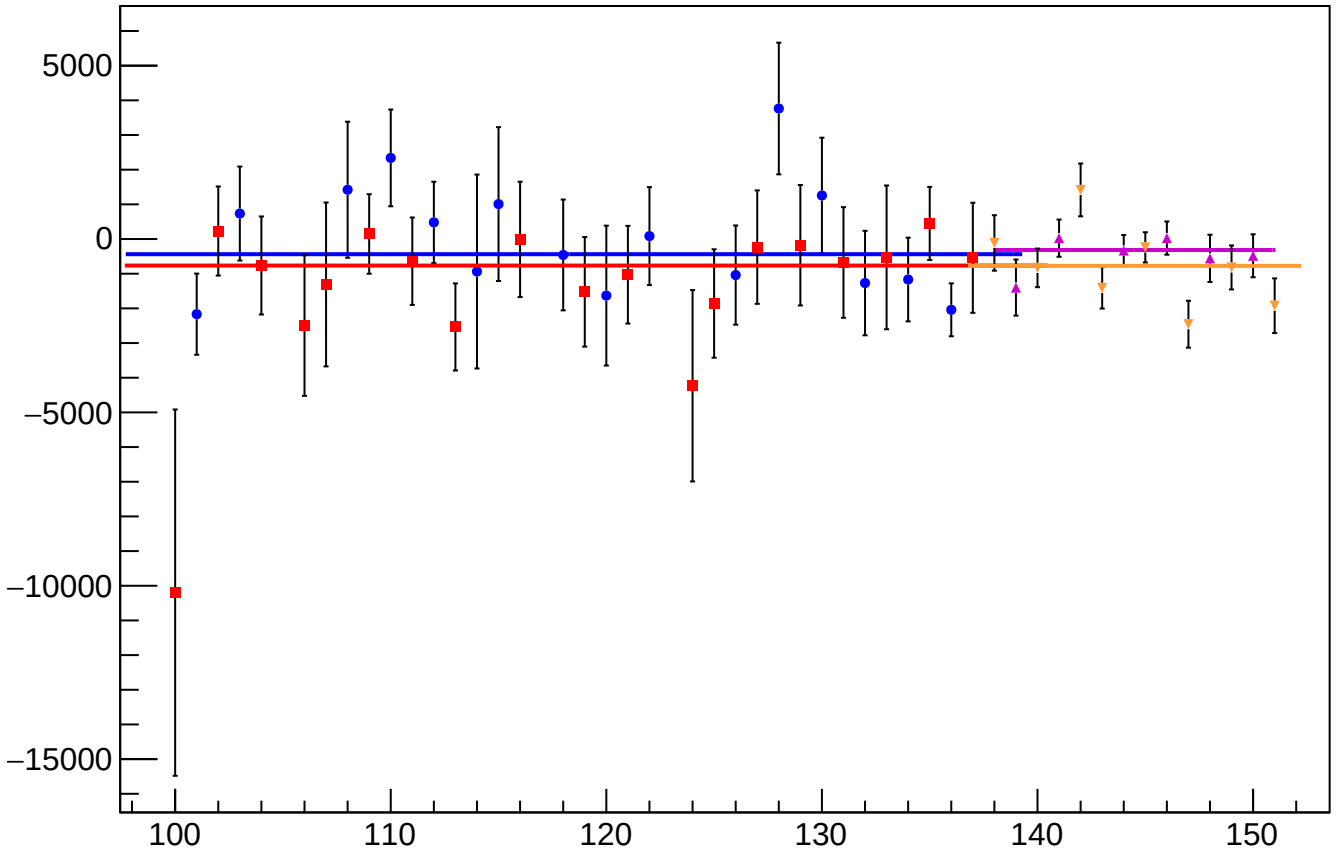
Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 60.806+/-0.019 χ^2/NDF:141705.9/5

+ sign 64.644+/-0.013 χ^2/NDF: 710514.5/23

All: 64.953+/-0.009 χ^2/NDF: 1483513.6/48

- sign 65.290+/-0.013 χ^2/NDF: 771772.0/24



Right In: -437.444+/-348.880 χ^2/NDF: 20.6/15

Left Out: -774.212+/-218.933 χ^2/NDF:19.9/7

Right Out: -765.341+/-353.052 χ^2/NDF: 11.3/18

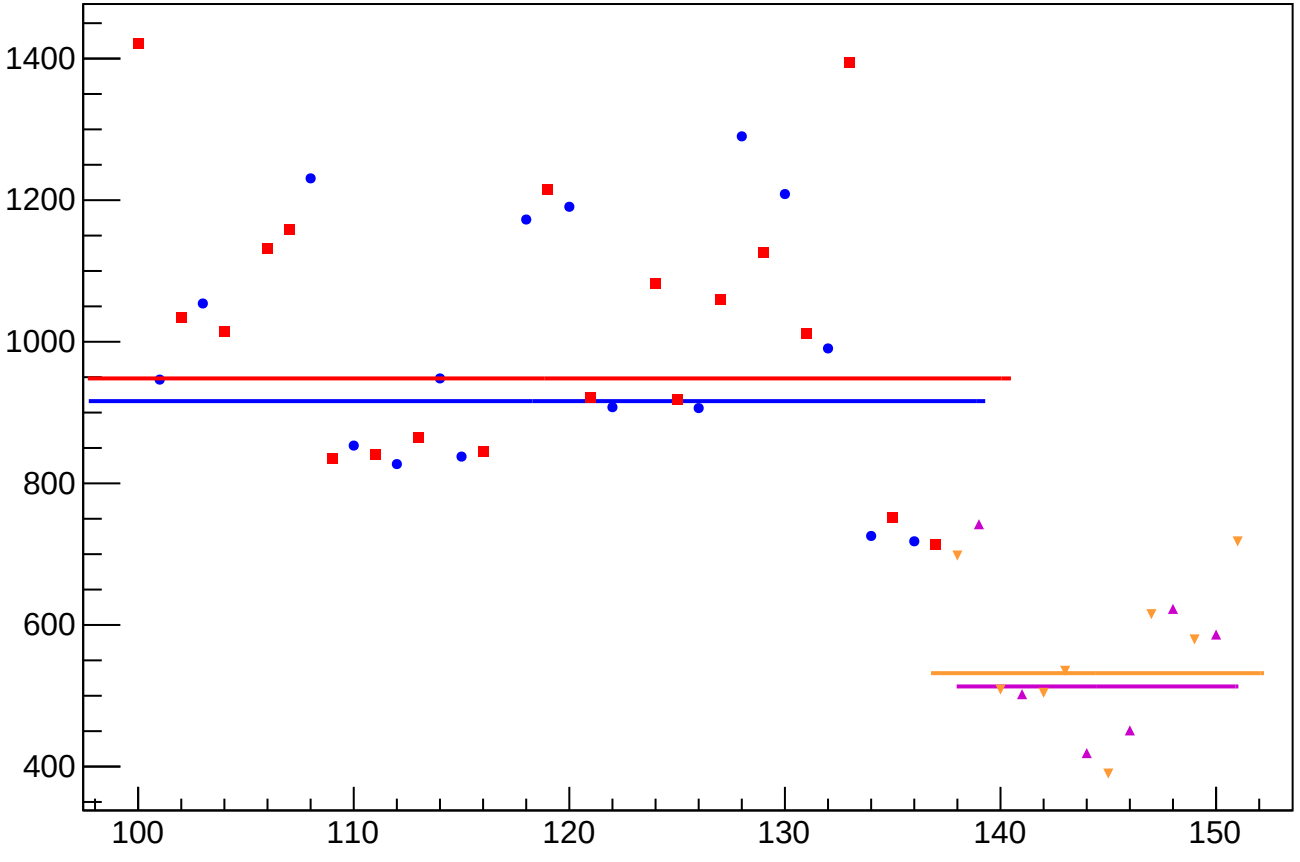
Left In: -316.625+/-228.786 χ^2/NDF:2.9/5

\+ sign -679.063+/-185.444 χ^2/NDF: 41.1/23

All: -568.184+/-133.385 χ^2/NDF: 57.2/48

\- sign -449.329+/-191.997 χ^2/NDF: 15.4/24

asym_sam_12345678_avg_reg_correction_rms vs Slug



Right In: 916.171+/-0.247 χ^2/NDF: 509126.4/15

Left Out: 531.925+/-0.155 χ^2/NDF:456620.3/7

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

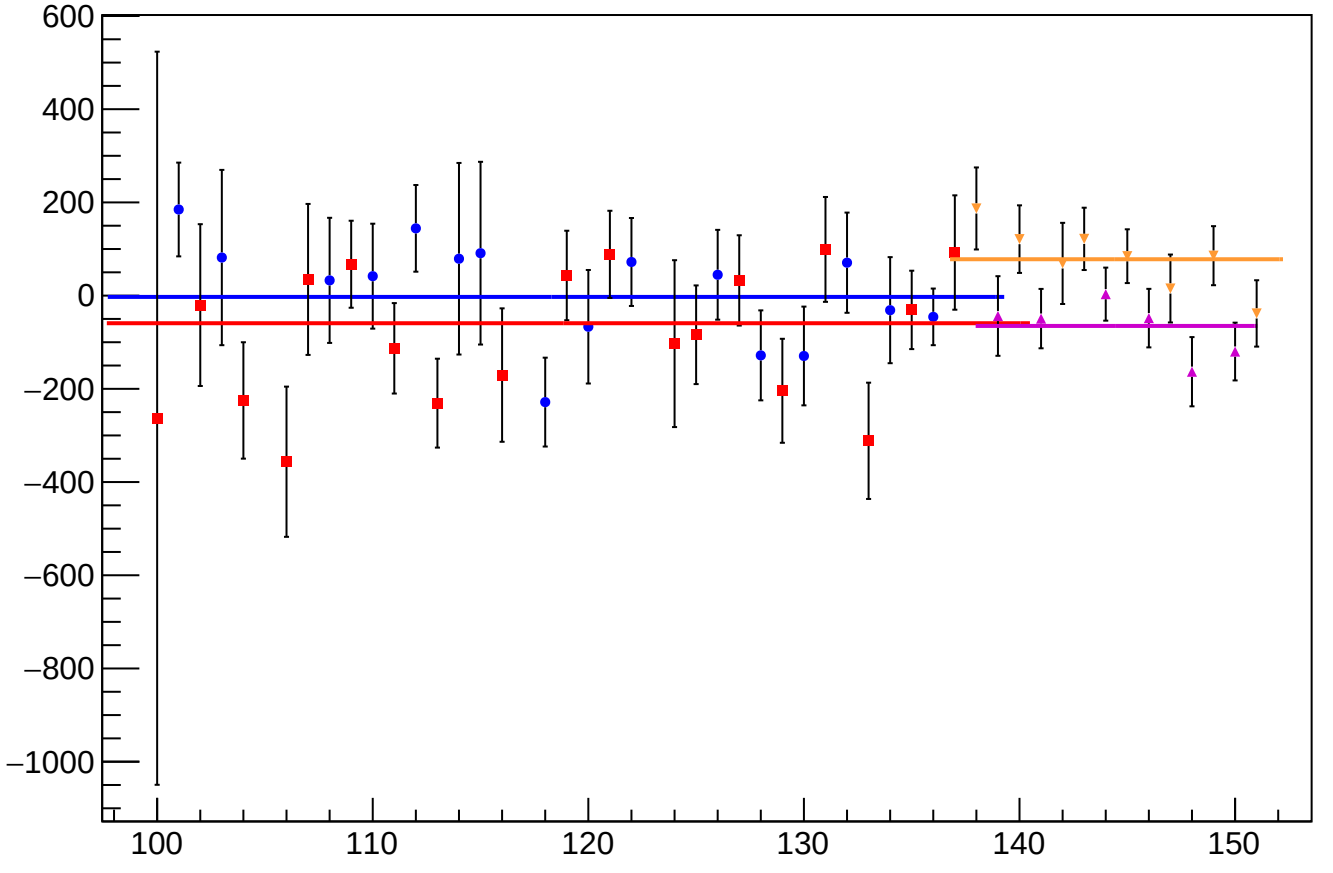
Left In: 513.154+/-0.162 χ^2/NDF:362954.9/5

+ sign 640.488+/-0.131 χ^2/NDF: 2706337.0/23

All: 641.134+/-0.094 χ^2/NDF: 5623604.9/48

- sign 641.826+/-0.136 χ^2/NDF: 2917217.7/24

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 78.058+/-24.920 χ^2/NDF:5.8/7

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

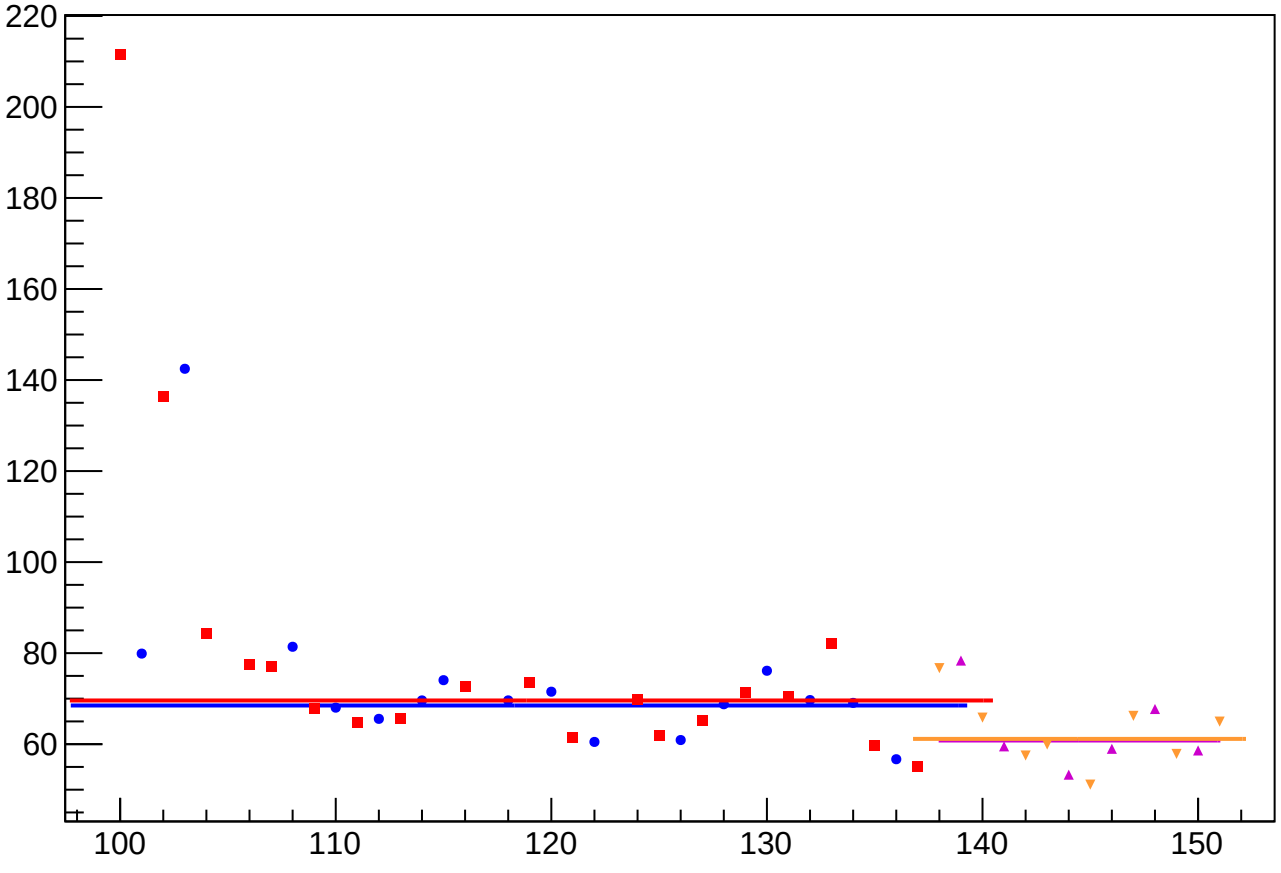
Left In: -65.041+/-26.846 χ^2/NDF:4.2/5

+ sign 39.685+/-18.061 χ^2/NDF: 28.5/23

All: -9.113+/-13.030 χ^2/NDF: 73.5/48

- sign -62.083+/-18.817 χ^2/NDF: 29.8/24

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 61.159+/-0.018 χ^2/NDF:156298.5/7

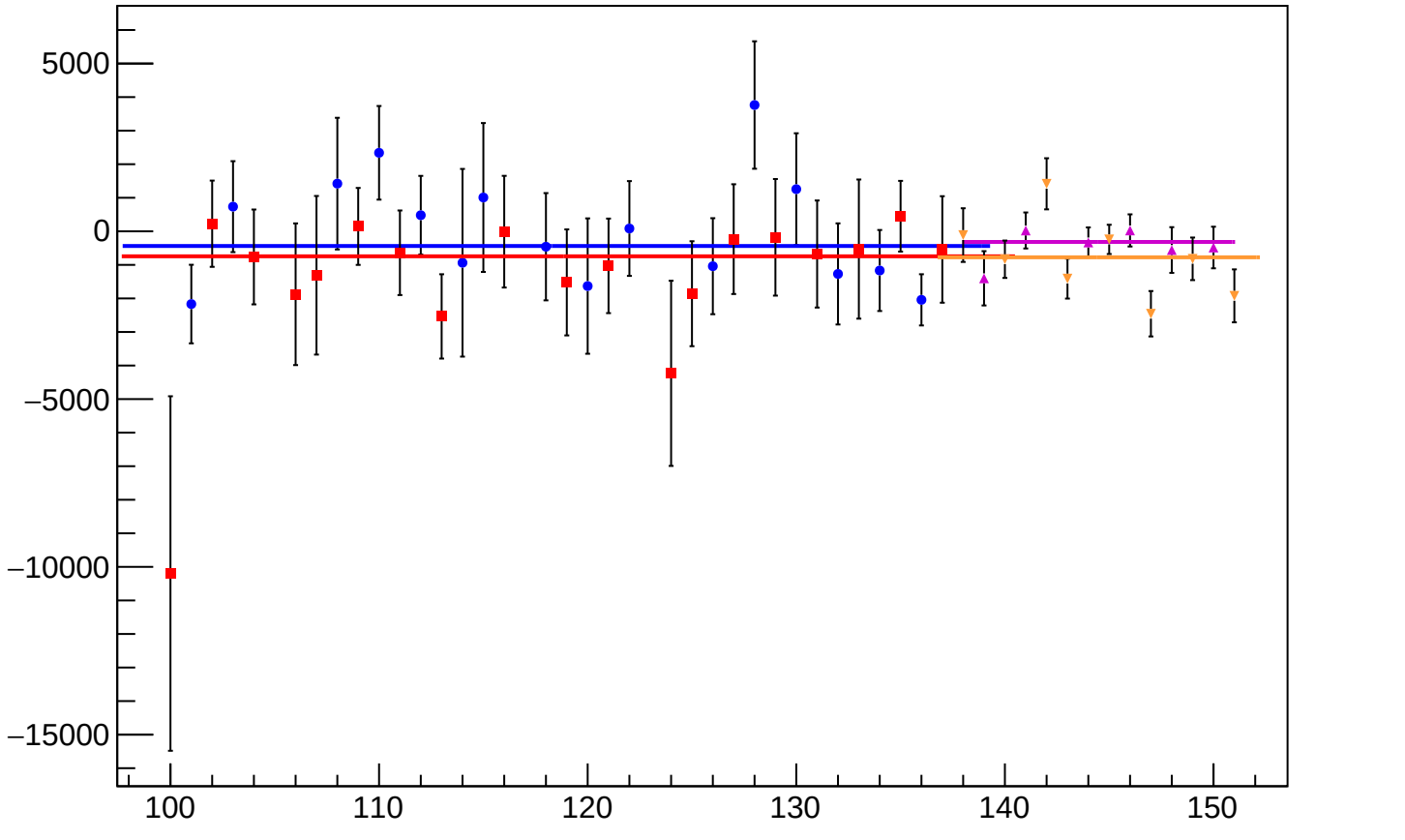
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.806+/-0.019 χ^2/NDF:141705.9/5

+ sign 64.644+/-0.013 χ^2/NDF: 710517.5/23

All: 64.949+/-0.009 χ^2/NDF: 1482381.0/48

- sign 65.280+/-0.013 χ^2/NDF: 770674.1/24



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -774.204+/-218.933 χ^2/NDF:19.9/7

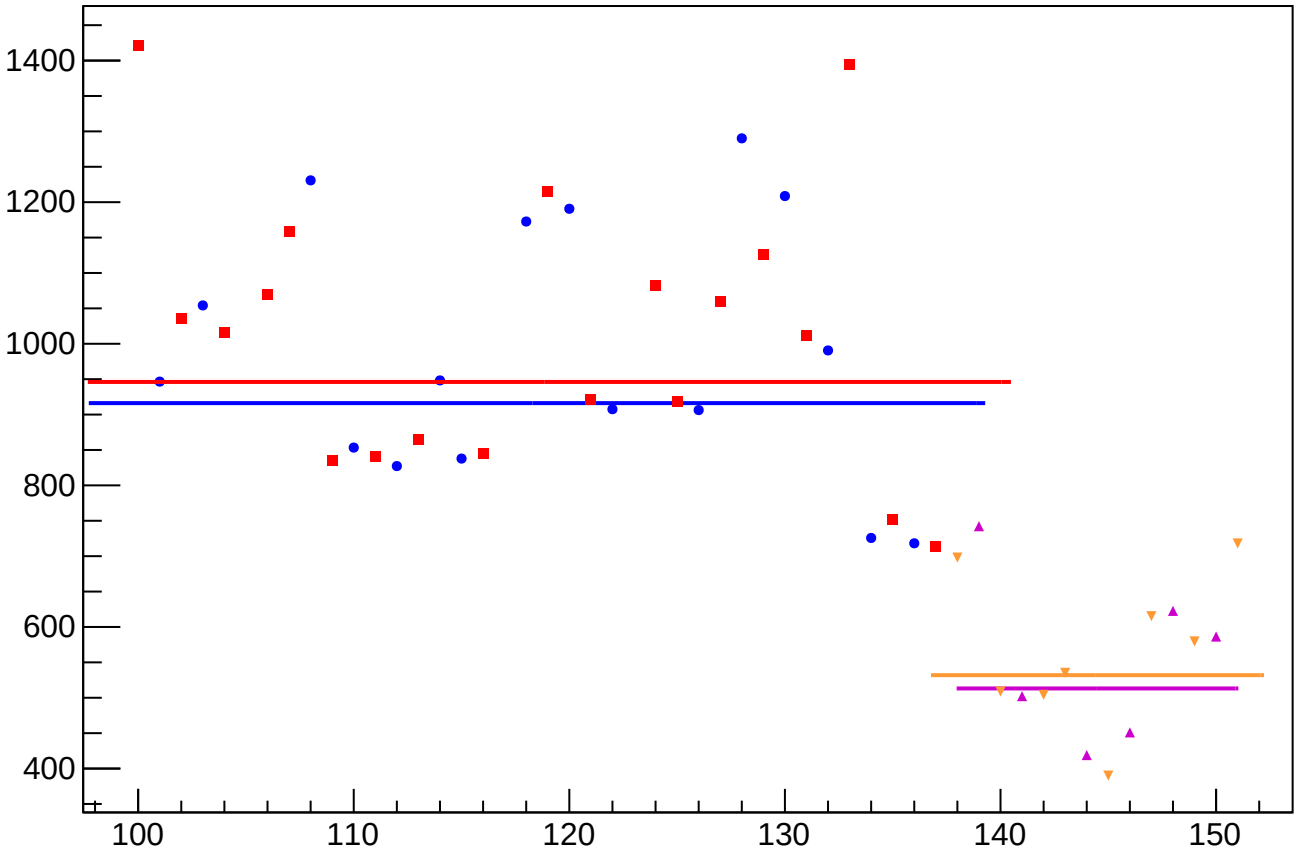
Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: -316.630+/-228.786 χ^2/NDF:2.9/5

\+ sign -679.050+/-185.444 χ^2/NDF: 41.1/23

All: -565.125+/-133.409 χ^2/NDF: 56.7/48

\- sign -442.916+/-192.067 χ^2/NDF: 14.8/24



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 531.925+/-0.155 χ^2/NDF:456623.0/7

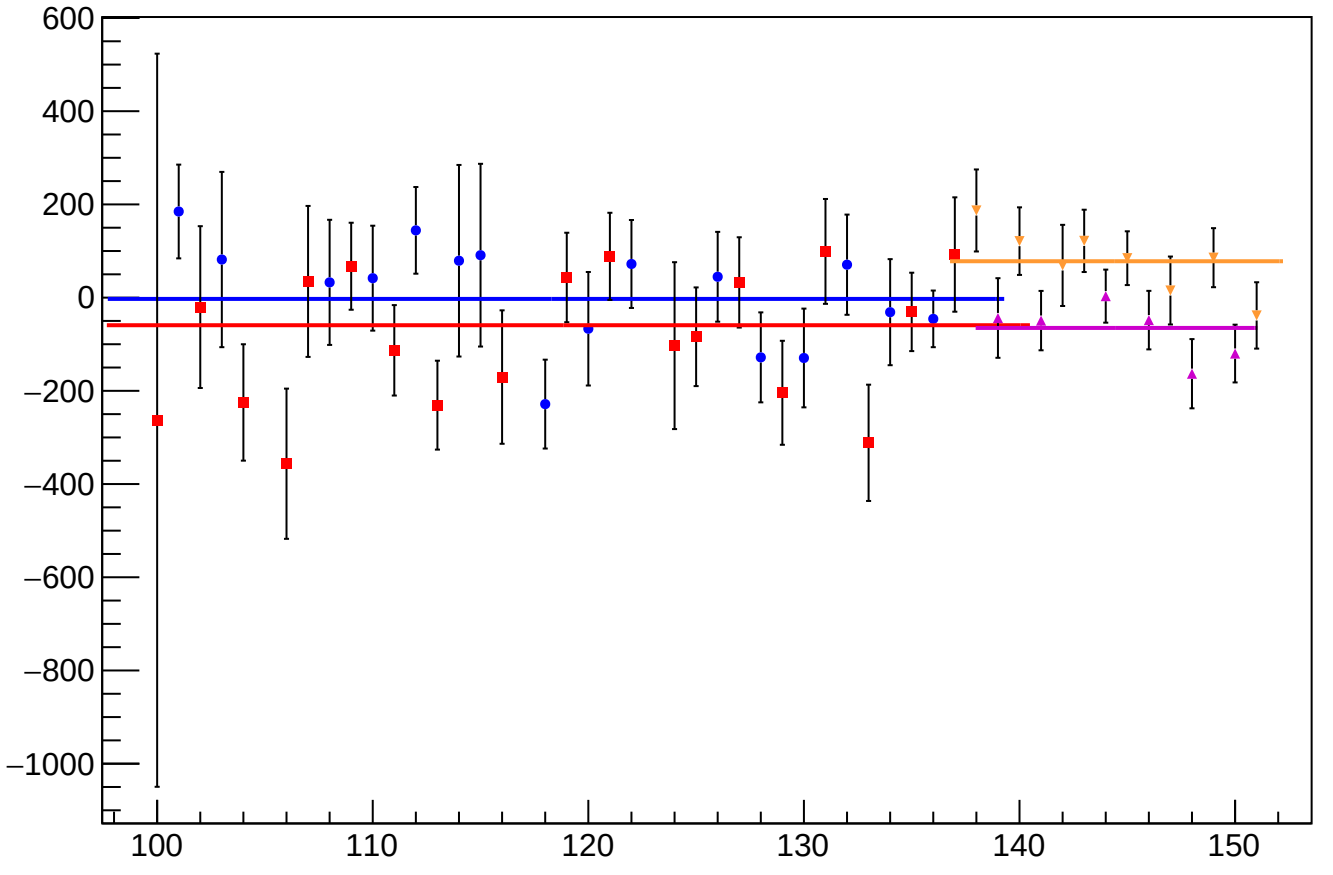
Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 513.154+/-0.162 χ^2/NDF:362953.9/5

+ sign 640.488+/-0.131 χ^2/NDF: 2706387.0/23

All: 640.720+/-0.094 χ^2/NDF: 5589129.8/48

- sign 640.970+/-0.136 χ^2/NDF: 2882736.3/24



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 78.058+/-24.920 χ^2/NDF:5.8/7

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

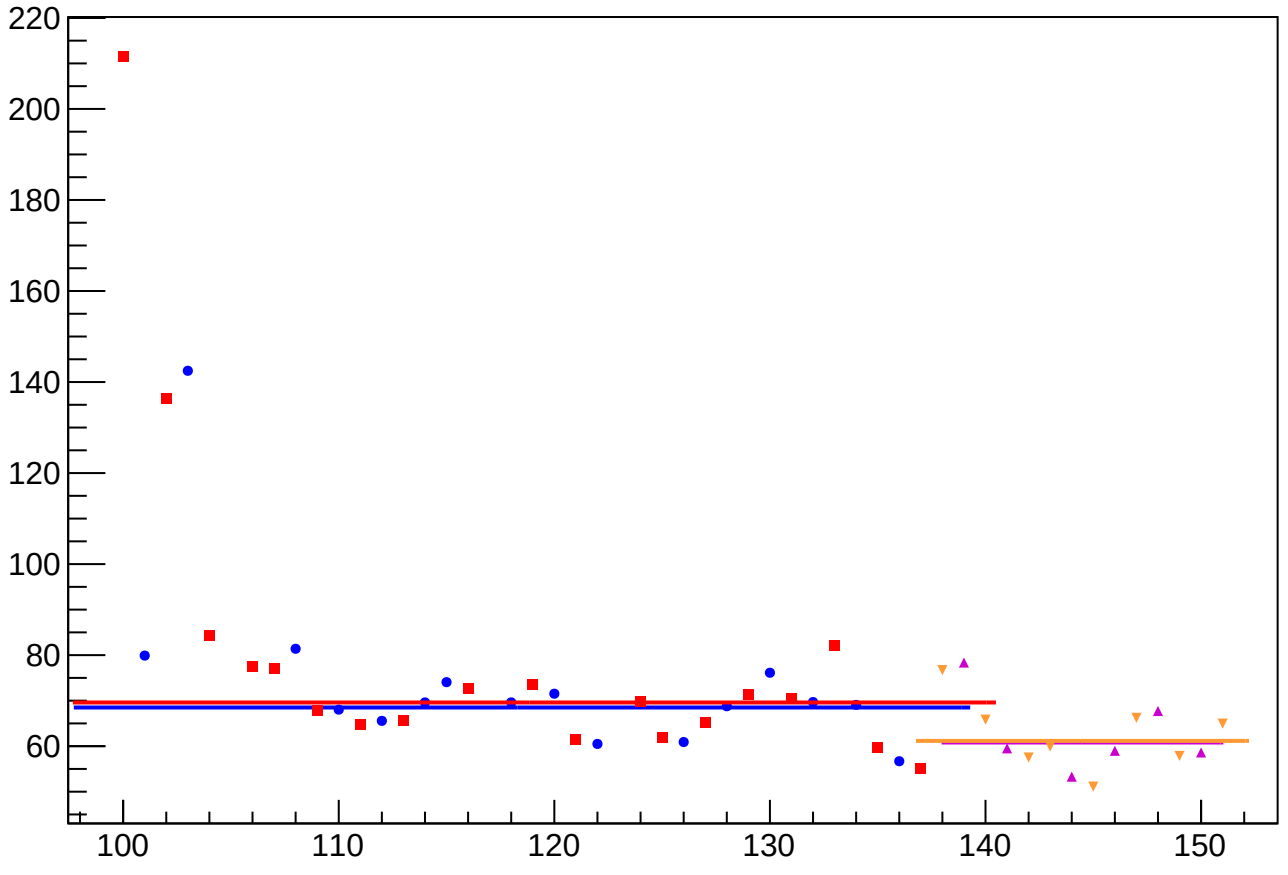
Left In: -65.041+/-26.846 χ^2/NDF:4.2/5

+ sign 39.685+/-18.061 χ^2/NDF: 28.5/23

All: -9.113+/-13.030 χ^2/NDF: 73.5/48

- sign -62.083+/-18.817 χ^2/NDF: 29.8/24

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 61.159+/-0.018 χ^2/NDF:156298.5/7

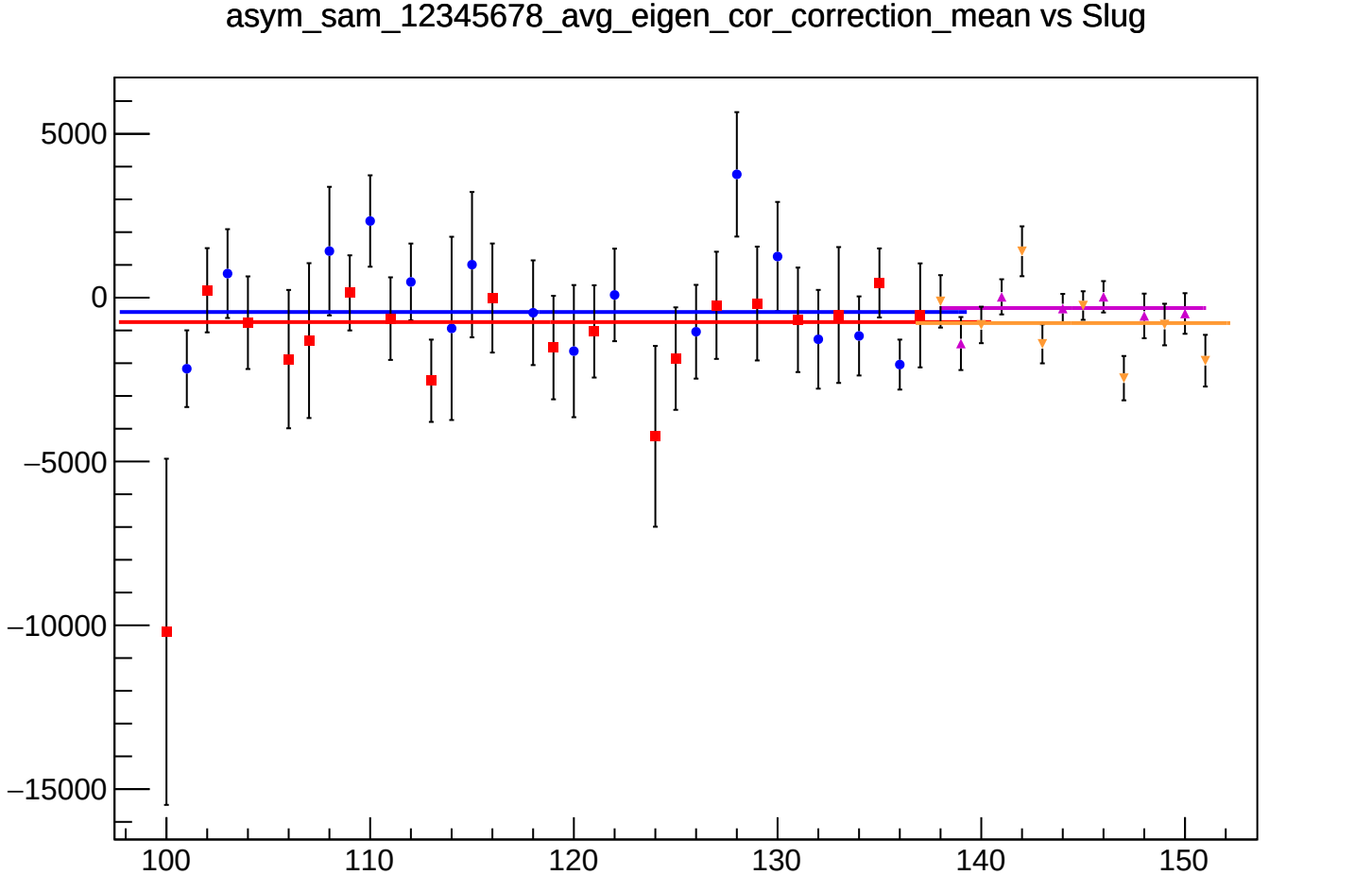
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.806+/-0.019 χ^2/NDF:141705.9/5

\+ sign 64.644+/-0.013 χ^2/NDF: 710517.5/23

All: 64.949+/-0.009 χ^2/NDF: 1482381.0/48

\- sign 65.280+/-0.013 χ^2/NDF: 770674.1/24



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -774.204+/-218.933 χ^2/NDF:19.9/7

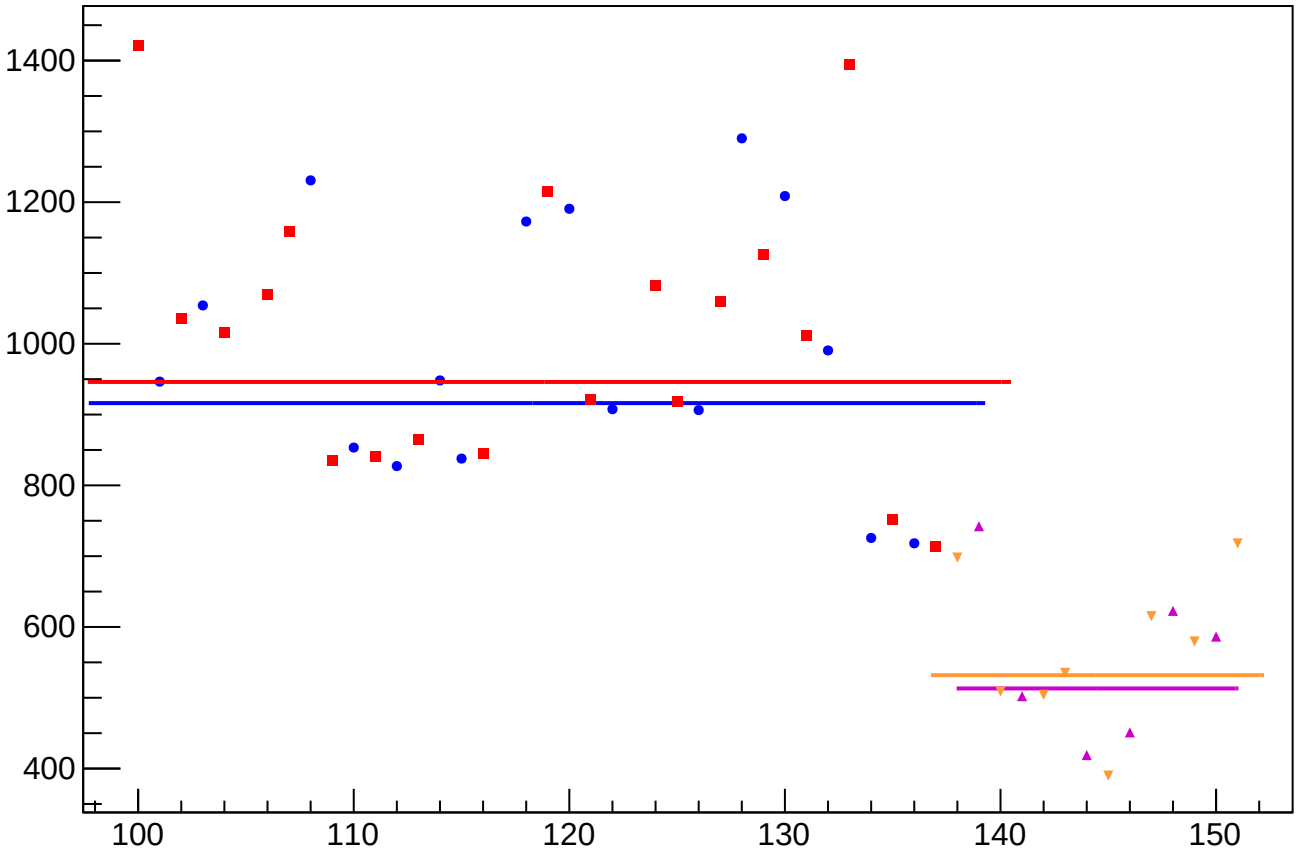
Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: -316.630+/-228.786 χ^2/NDF:2.9/5

\+ sign -679.050+/-185.444 χ^2/NDF: 41.1/23

All: -565.125+/-133.409 χ^2/NDF: 56.7/48

\- sign -442.916+/-192.067 χ^2/NDF: 14.8/24



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 531.925+/-0.155 χ^2/NDF:456623.0/7

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

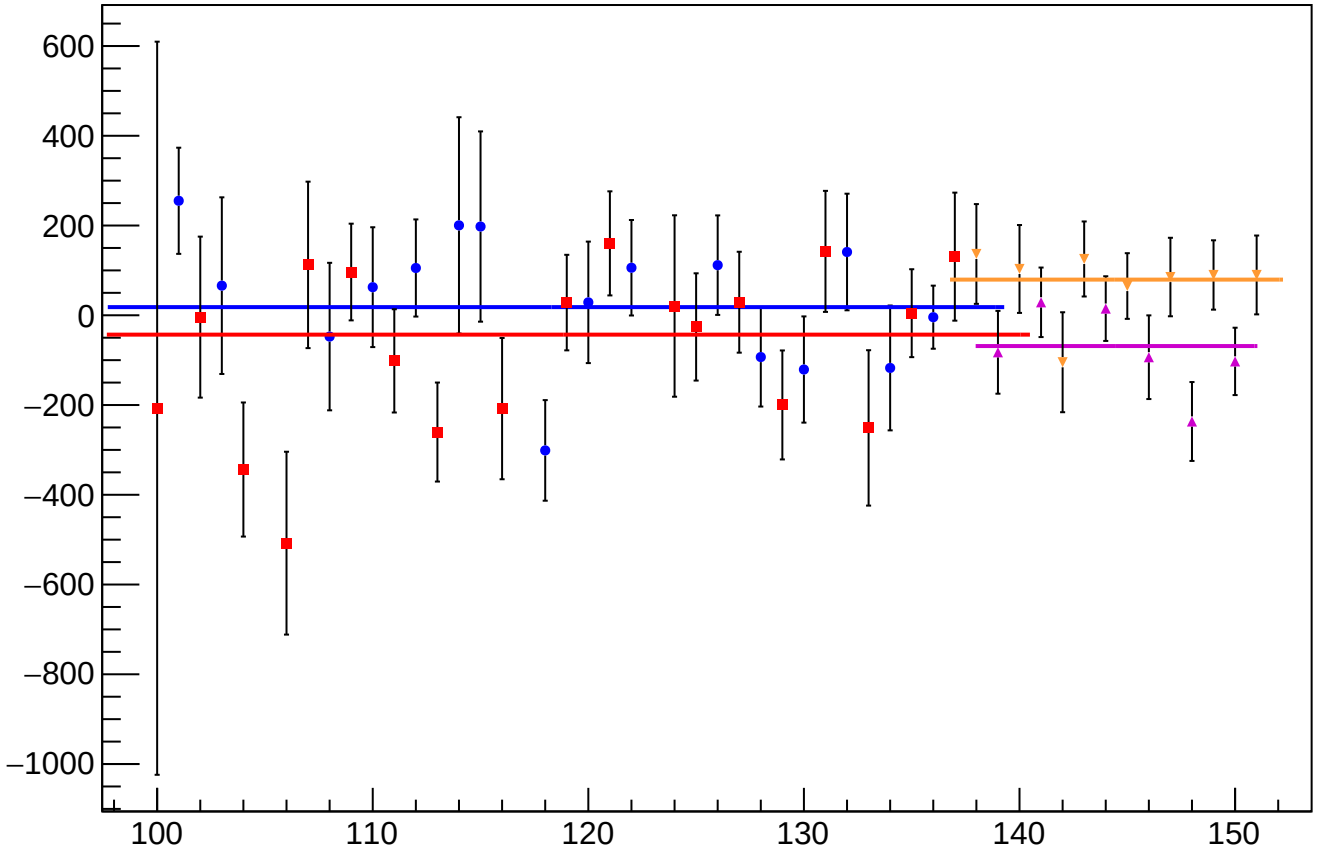
Left In: 513.154+/-0.162 χ^2/NDF:362953.9/5

+ sign 640.488+/-0.131 χ^2/NDF: 2706387.0/23

All: 640.720+/-0.094 χ^2/NDF: 5589129.8/48

- sign 640.970+/-0.136 χ^2/NDF: 2882736.3/24

dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 79.468+/-31.258 χ^2/NDF:3.4/7

Right Out: -43.146+/-30.707 χ^2/NDF: 27.7/18

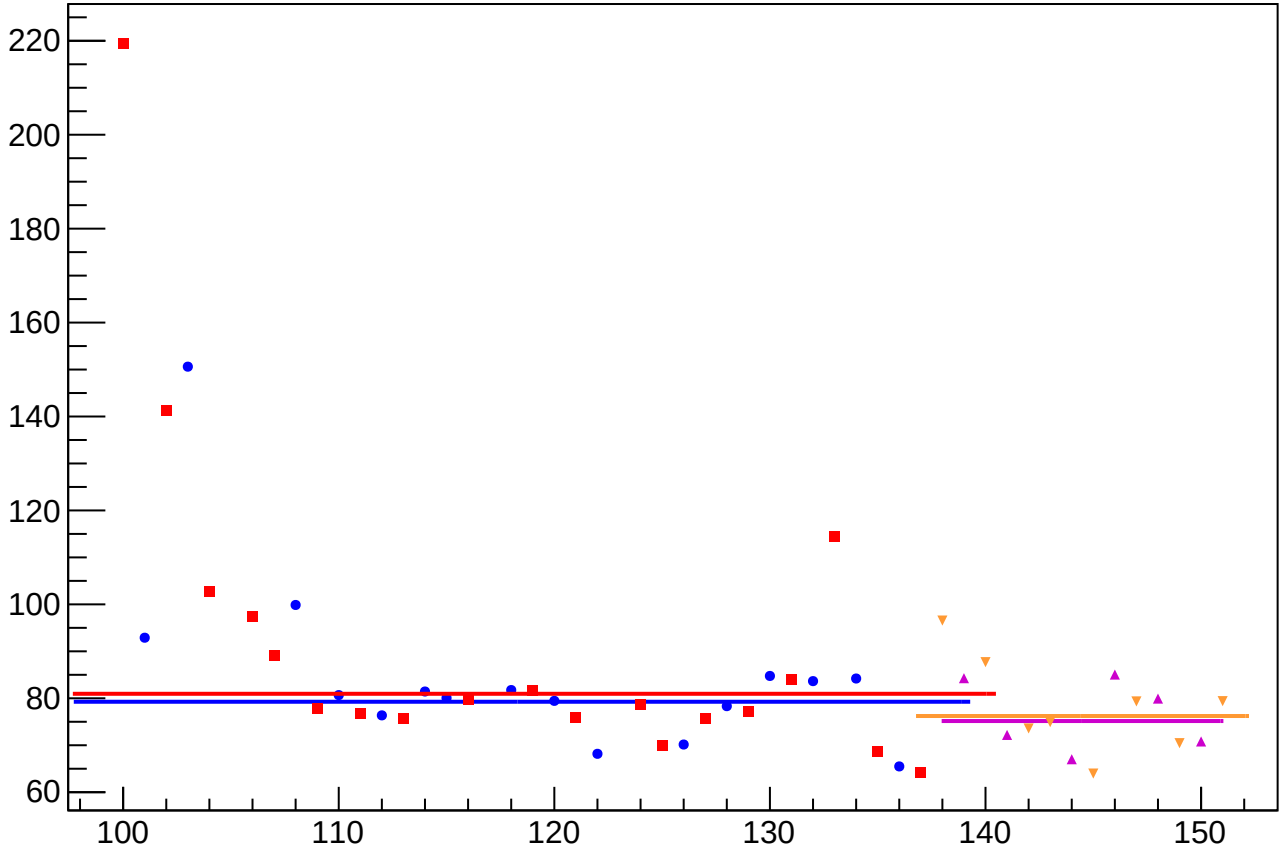
Left In: -68.583+/-33.357 χ^2/NDF:6.9/5

+ sign 47.914+/-21.773 χ^2/NDF: 25.5/23

All: -1.555+/-15.677 χ^2/NDF: 71.2/48

- sign -54.814+/-22.592 χ^2/NDF: 34.9/24

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 76.225+/-0.022 χ^2/NDF:168314.4/7

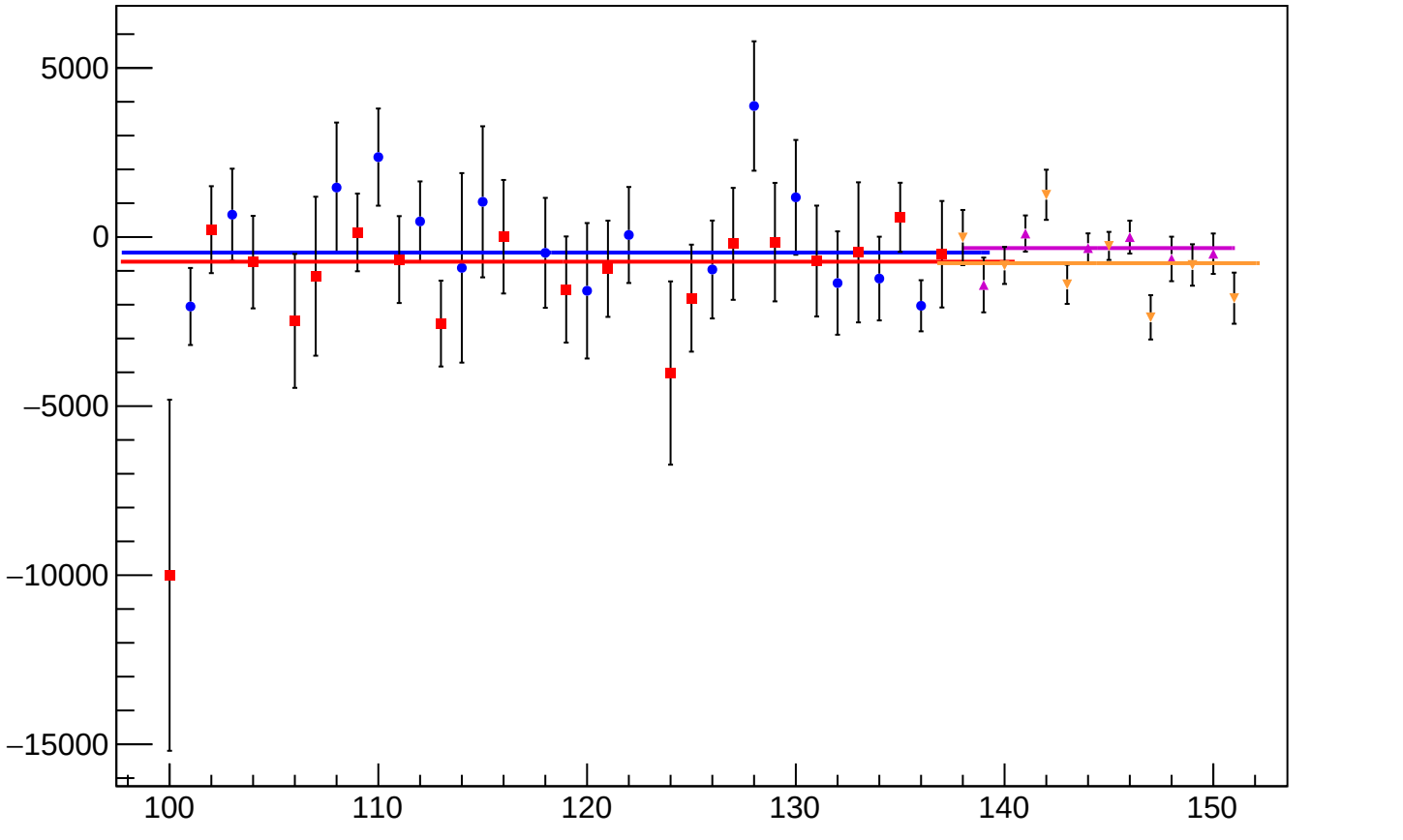
Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 75.155+/-0.024 χ^2/NDF:83113.7/5

\+ sign 77.789+/-0.015 χ^2/NDF: 622990.6/23

All: 78.033+/-0.011 χ^2/NDF: 1253572.3/48

\- sign 78.296+/-0.016 χ^2/NDF: 630058.6/24



Right In: -458.108+/-350.075 χ^2/NDF: 20.3/15

Left Out: -772.715+/-212.297 χ^2/NDF:18.9/7

Right Out: -728.750+/-352.574 χ^2/NDF: 11.5/18

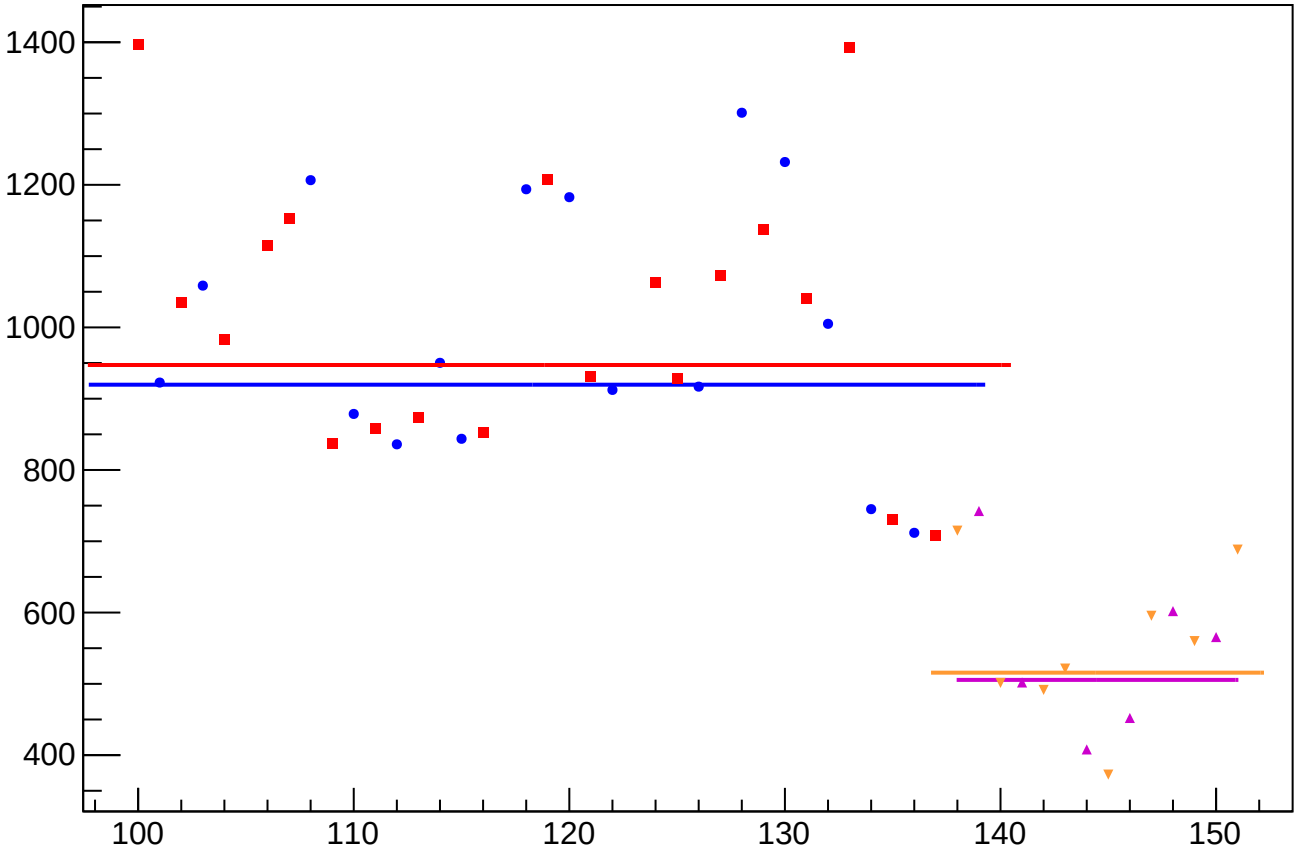
Left In: -326.427+/-225.683 χ^2/NDF:3.2/5

\+ sign -688.124+/-181.526 χ^2/NDF: 39.7/23

All: -571.371+/-131.277 χ^2/NDF: 56.3/48

\- sign -443.359+/-190.077 χ^2/NDF: 15.7/24

asym_sam_12345678_avg_dit_correction_rms vs Slug



Right In: 919.638+/-0.248 χ^2/NDF: 515443.8/15

Left Out: 515.695+/-0.150 χ^2/NDF:504779.1/7

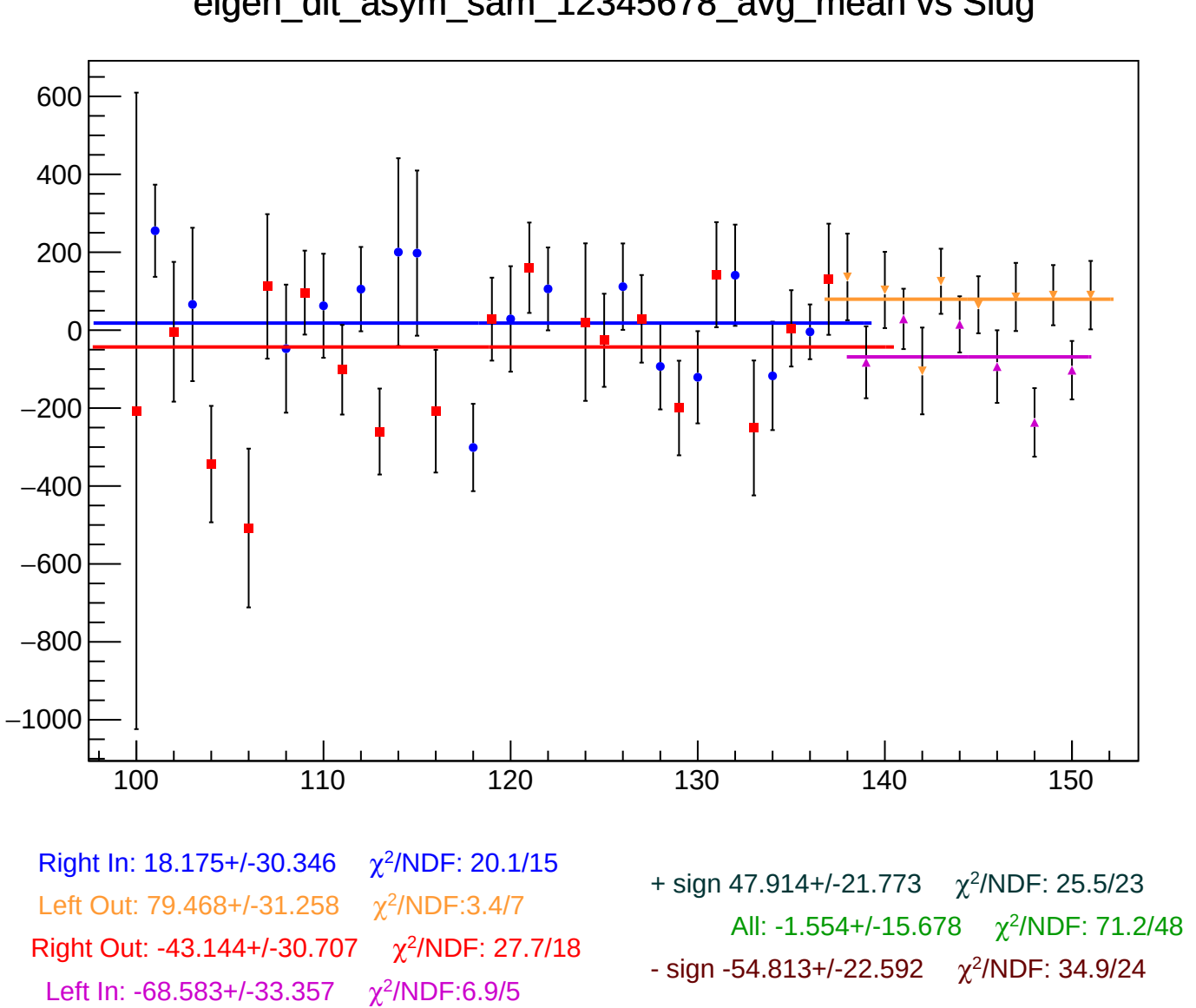
Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

Left In: 505.534+/-0.160 χ^2/NDF:359082.6/5

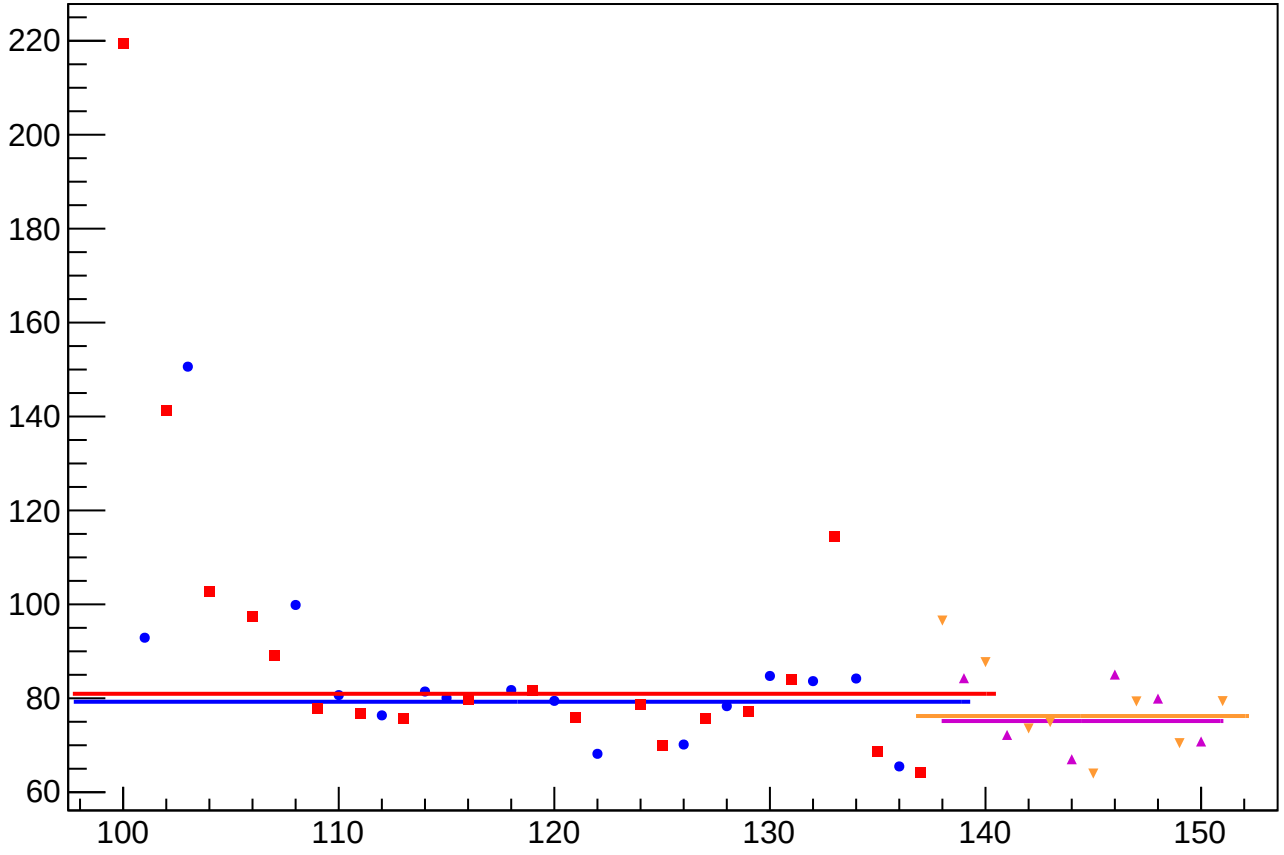
+ sign 624.306+/-0.128 χ^2/NDF: 2967104.0/23

All: 628.893+/-0.093 χ^2/NDF: 5981448.4/48

- sign 633.922+/-0.134 χ^2/NDF: 3011667.3/24


eigen_dit_asym_sam_12345678_avg_mean vs Slug
600
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
Right In: 18.175+/-30.346 χ²/NDF: 20.1/15
Left Out: 79.468+/-31.258 χ²/NDF:3.4/7
Right Out: -43.144+/-30.707 χ²/NDF: 27.7/18
Left In: -68.583+/-33.357 χ²/NDF:6.9/5
+ sign 47.914+/-21.773 χ²/NDF: 25.5/23
All: -1.554+/-15.678 χ²/NDF: 71.2/48
- sign -54.813+/-22.592 χ²/NDF: 34.9/24

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 76.226+/-0.022 χ^2/NDF:168306.7/7

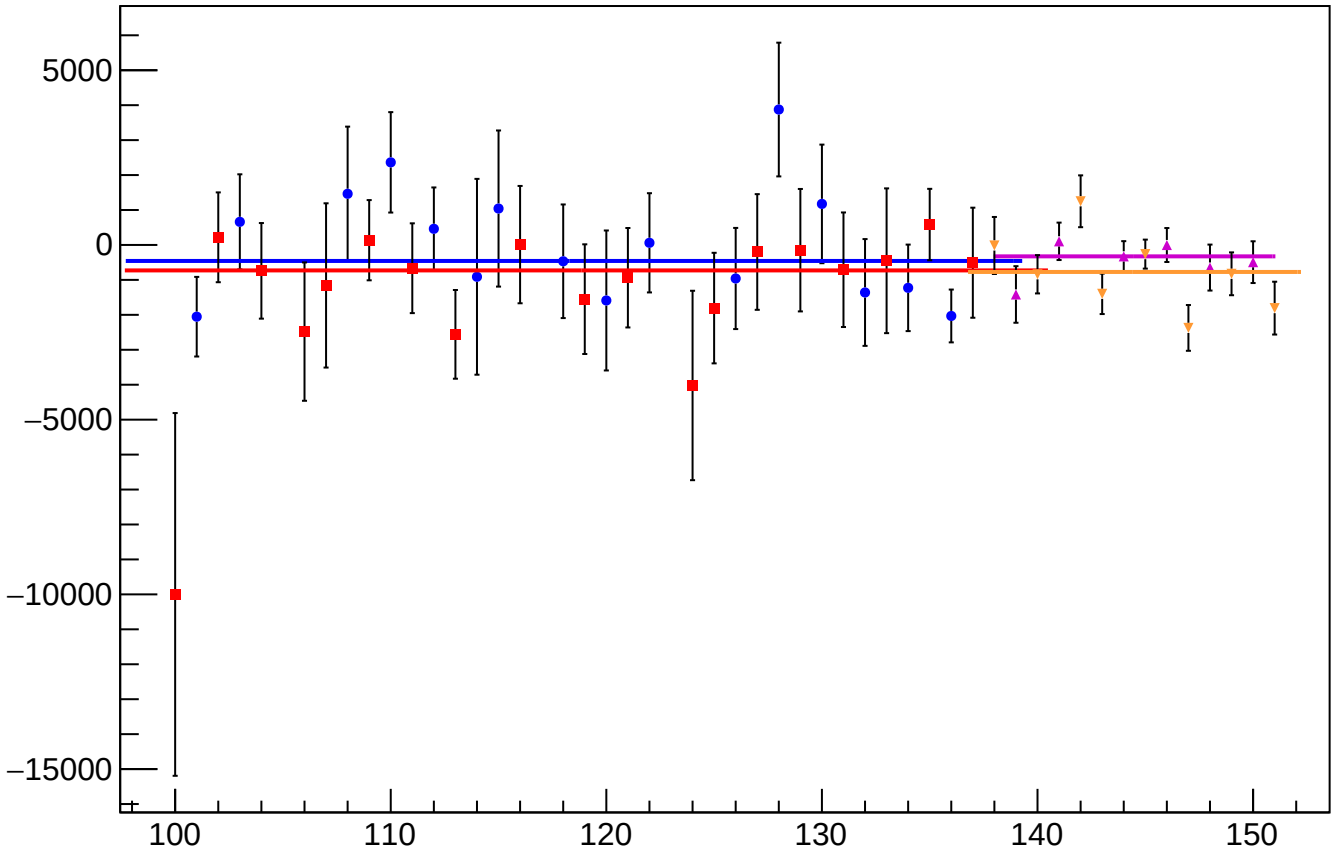
Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 75.156+/-0.024 χ^2/NDF:83112.5/5

+ sign 77.789+/-0.015 χ^2/NDF: 622976.0/23

All: 78.033+/-0.011 χ^2/NDF: 1253559.3/48

- sign 78.297+/-0.016 χ^2/NDF: 630060.3/24



Right In: -458.104+/-350.074 χ^2/NDF: 20.3/15

Left Out: -772.716+/-212.297 χ^2/NDF:18.9/7

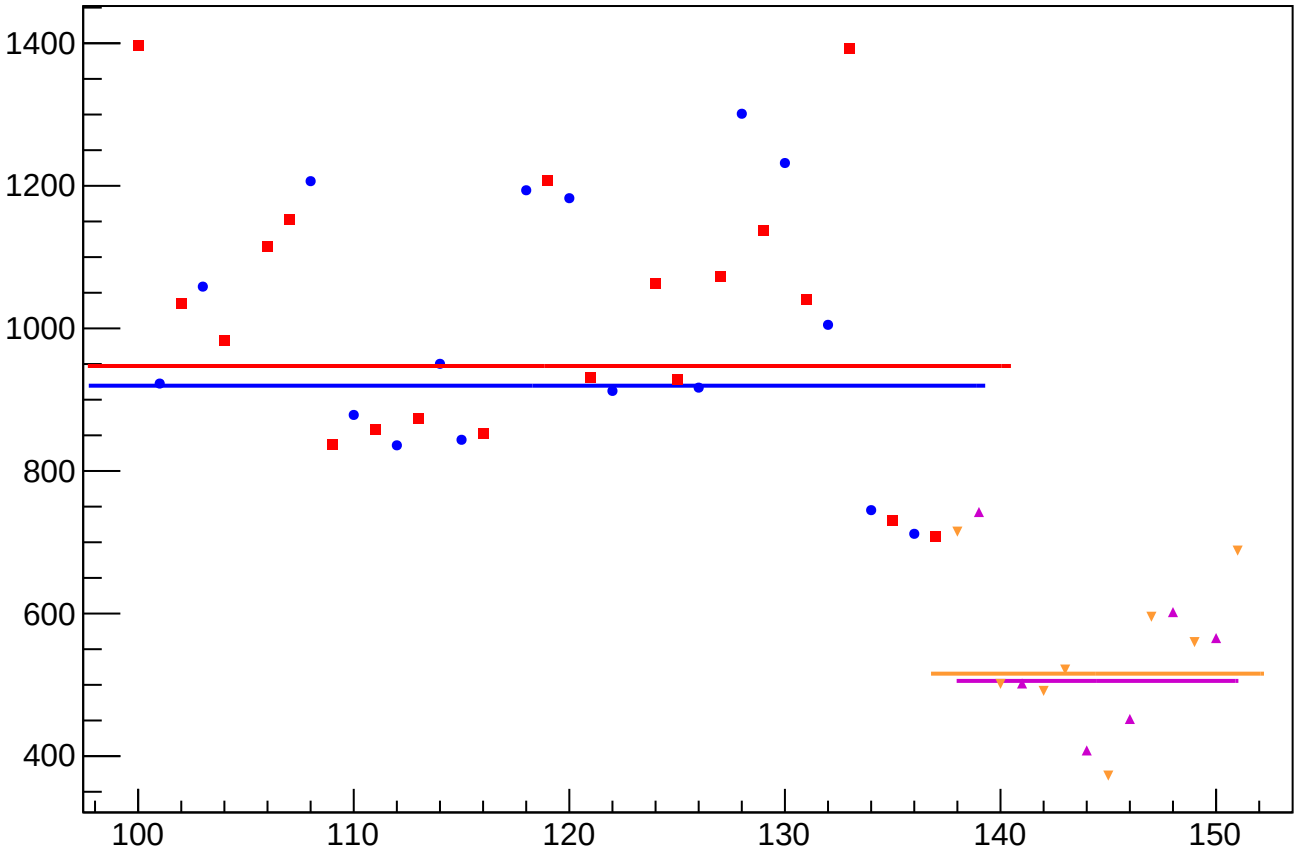
Right Out: -728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: -326.427+/-225.682 χ^2/NDF:3.2/5

+ sign -688.123+/-181.526 χ^2/NDF: 39.7/23

All: -571.371+/-131.277 χ^2/NDF: 56.3/48

- sign -443.359+/-190.077 χ^2/NDF: 15.7/24



Right In: 919.636+/-0.248 χ^2/NDF: 515443.9/15

Left Out: 515.694+/-0.150 χ^2/NDF:504781.9/7

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

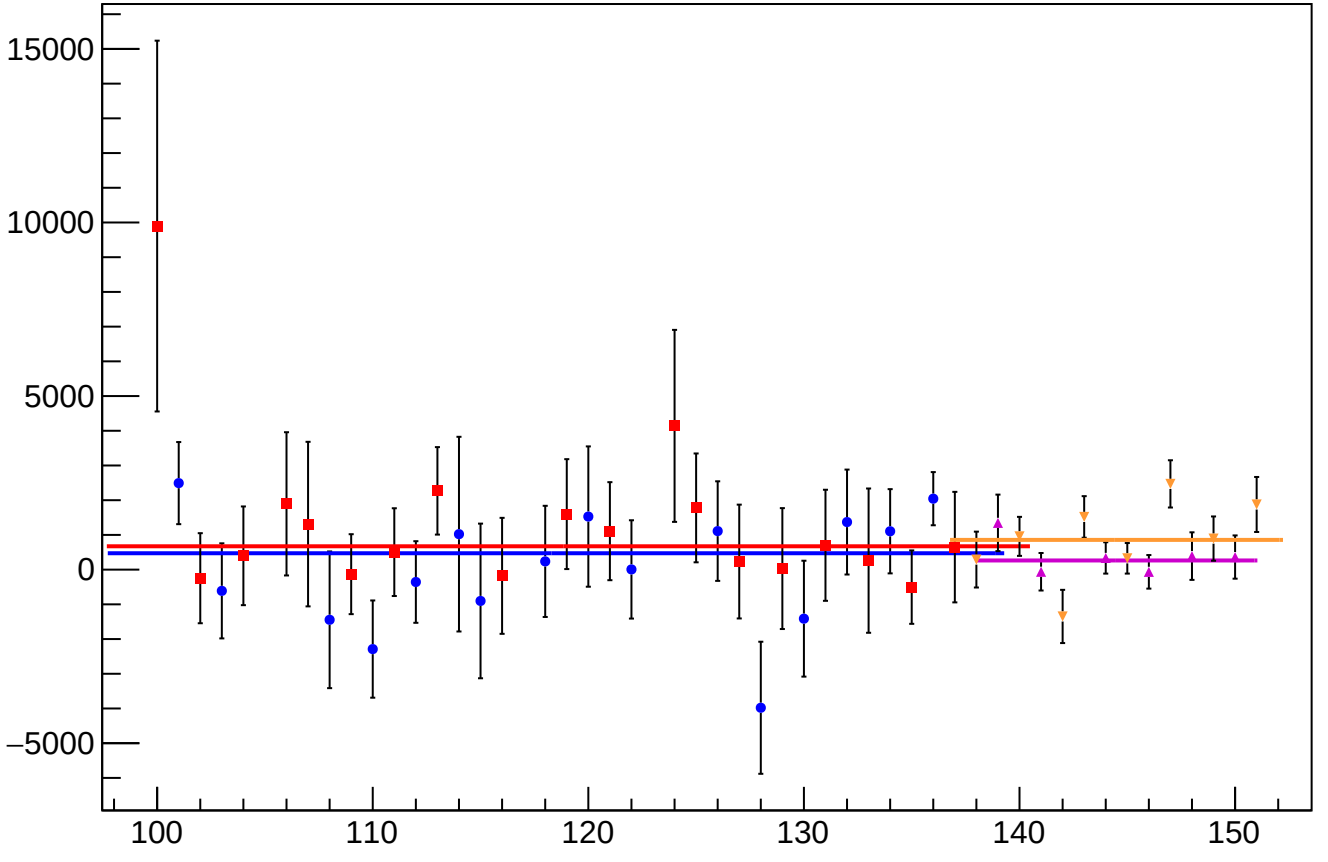
Left In: 505.533+/-0.160 χ^2/NDF:359082.6/5

\+ sign 624.305+/-0.128 χ^2/NDF: 2967104.4/23

All: 628.892+/-0.093 χ^2/NDF: 5981441.4/48

\- sign 633.921+/-0.134 χ^2/NDF: 3011659.7/24

asym_sam_12345678_avg_mean vs Slug



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 856.479+/-220.474 χ^2/NDF:18.8/7

Right Out: 672.537+/-354.512 χ^2/NDF: 10.3/18

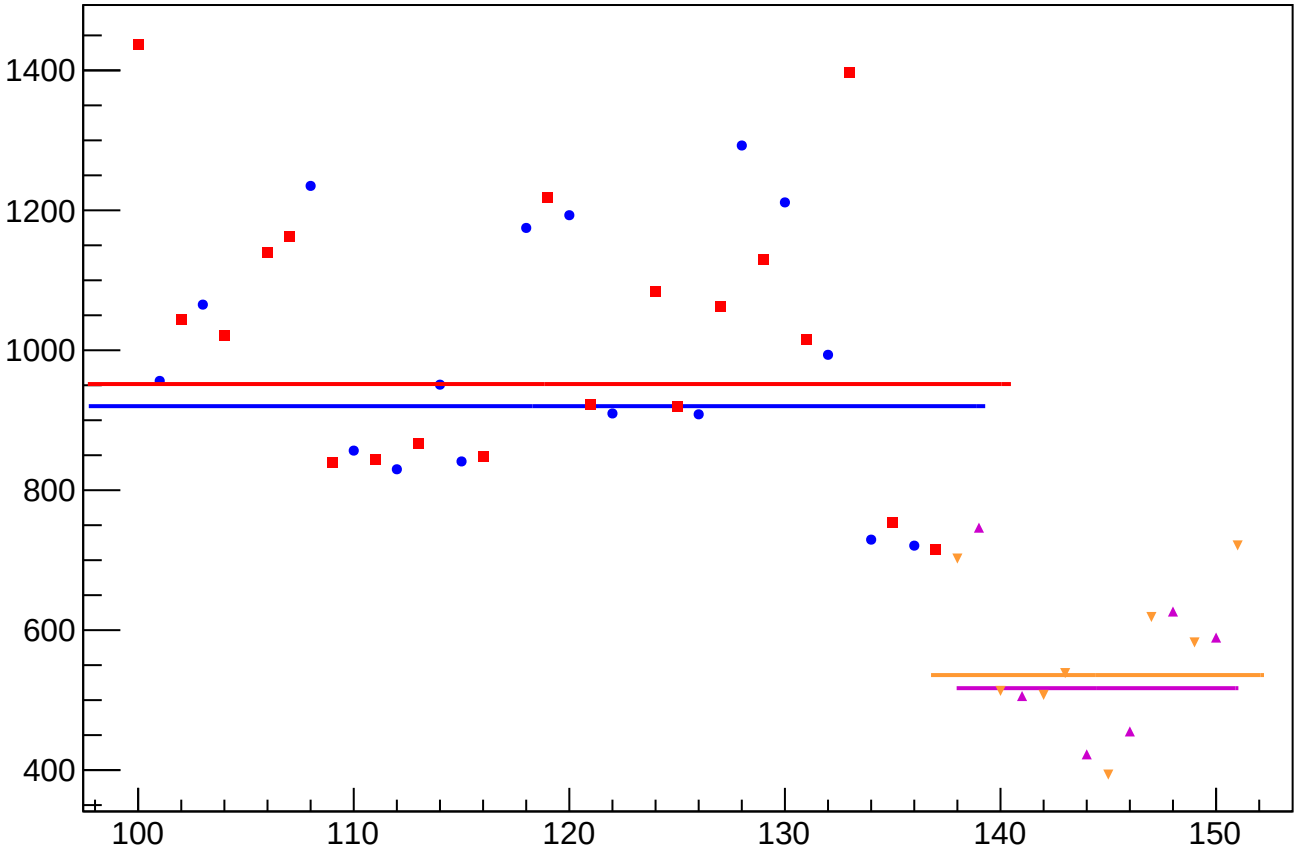
Left In: 263.971+/-230.481 χ^2/NDF:2.7/5

+ sign 747.427+/-186.604 χ^2/NDF: 41.1/23

All: 572.709+/-134.232 χ^2/NDF: 56.8/48

- sign 385.356+/-193.234 χ^2/NDF: 13.9/24

asym_sam_12345678_avg_rms vs Slug



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 535.810+/-0.156 χ^2/NDF:450157.8/7

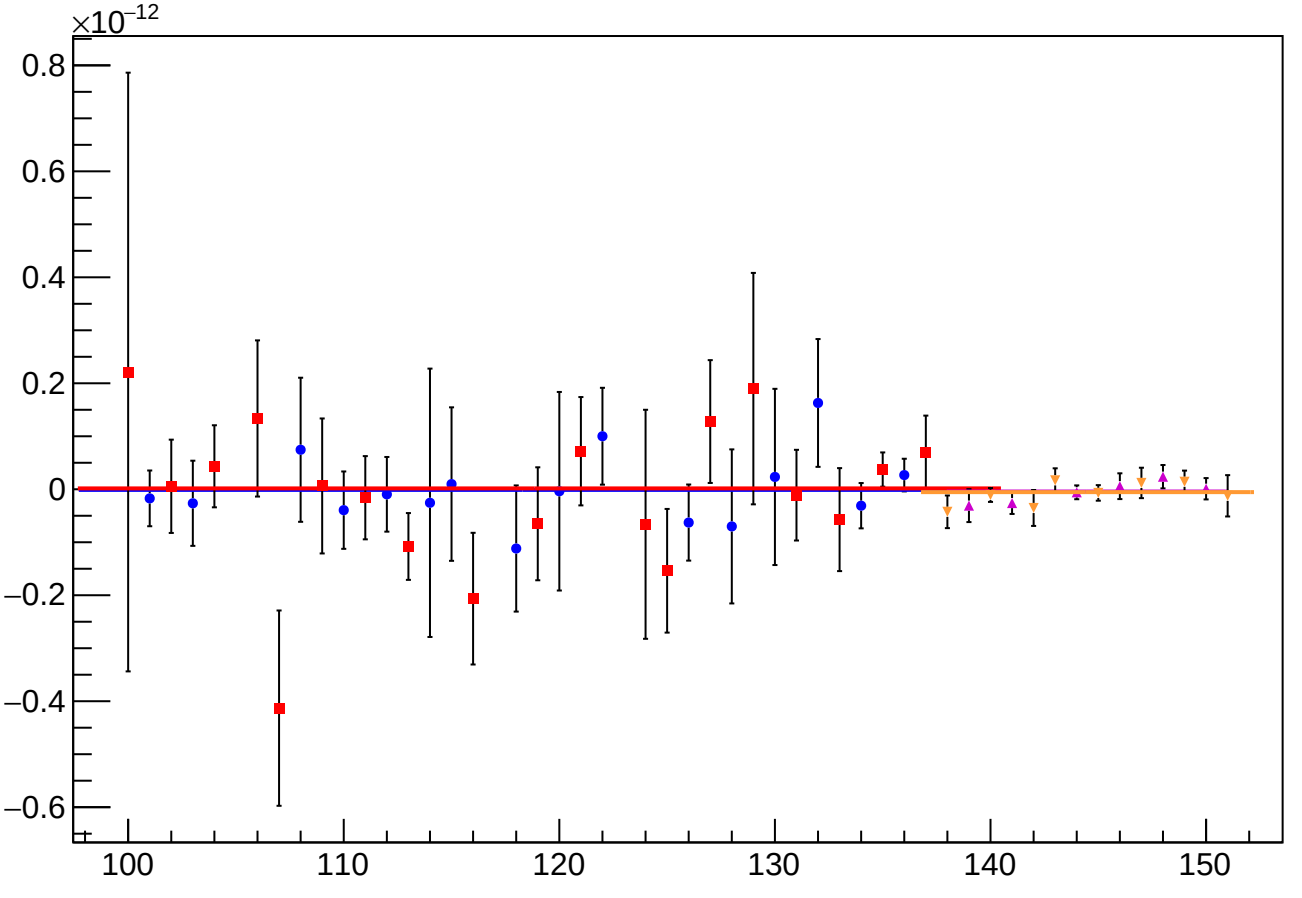
Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 517.087+/-0.163 χ^2/NDF:358327.7/5

+ sign 644.819+/-0.132 χ^2/NDF: 2682554.4/23

All: 645.494+/-0.095 χ^2/NDF: 5570151.8/48

- sign 646.218+/-0.137 χ^2/NDF: 2887543.2/24



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.6/7

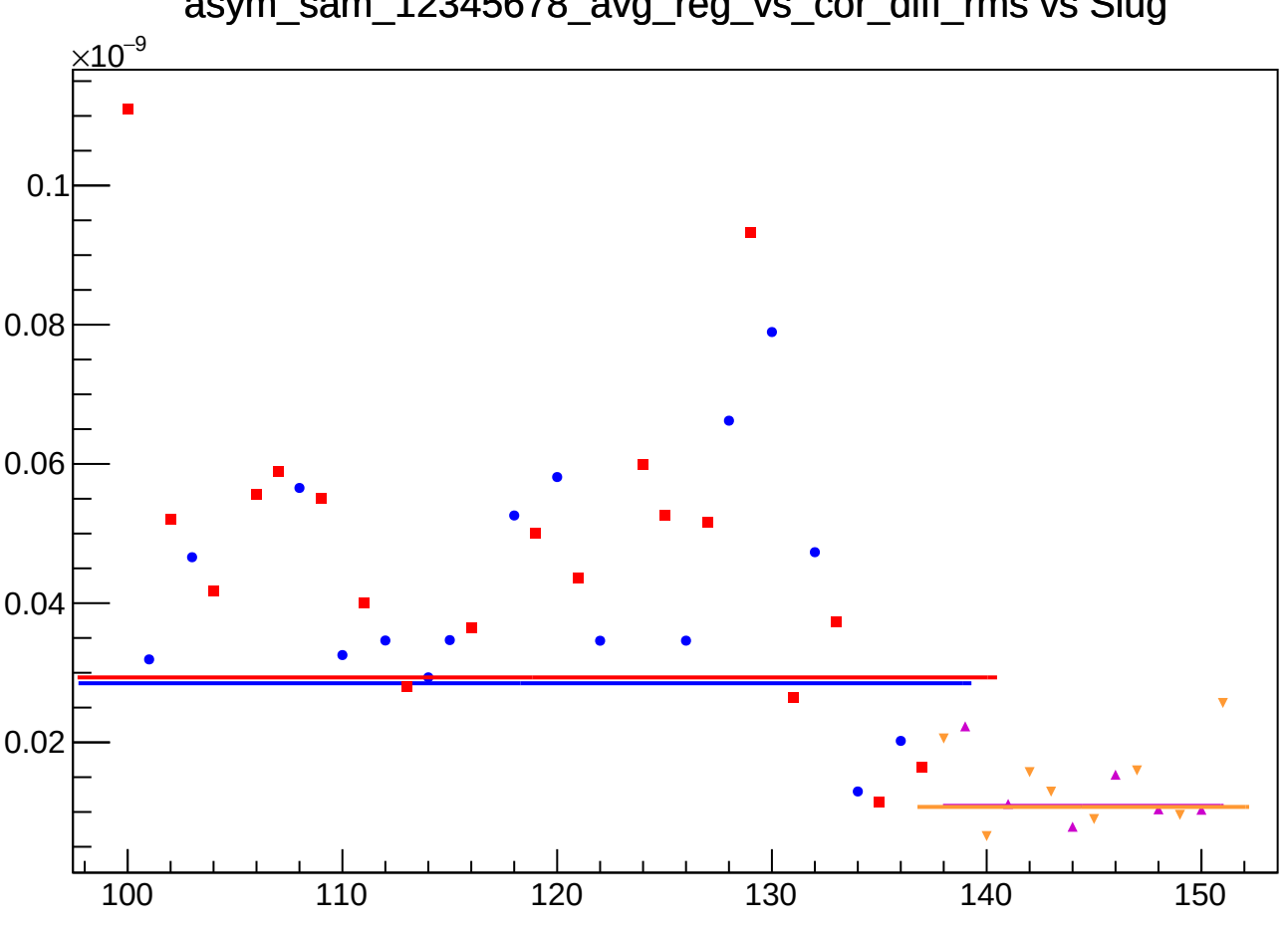
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: -0.000+/-0.000 χ^2/NDF:3.7/5

+ sign -0.000+/-0.000 χ^2/NDF: 11.7/23

All: -0.000+/-0.000 χ^2/NDF: 34.9/48

- sign -0.000+/-0.000 χ^2/NDF: 23.2/24



Right In: 0.000+/-0.000 χ^2/NDF: 1152293.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:865107.7/7

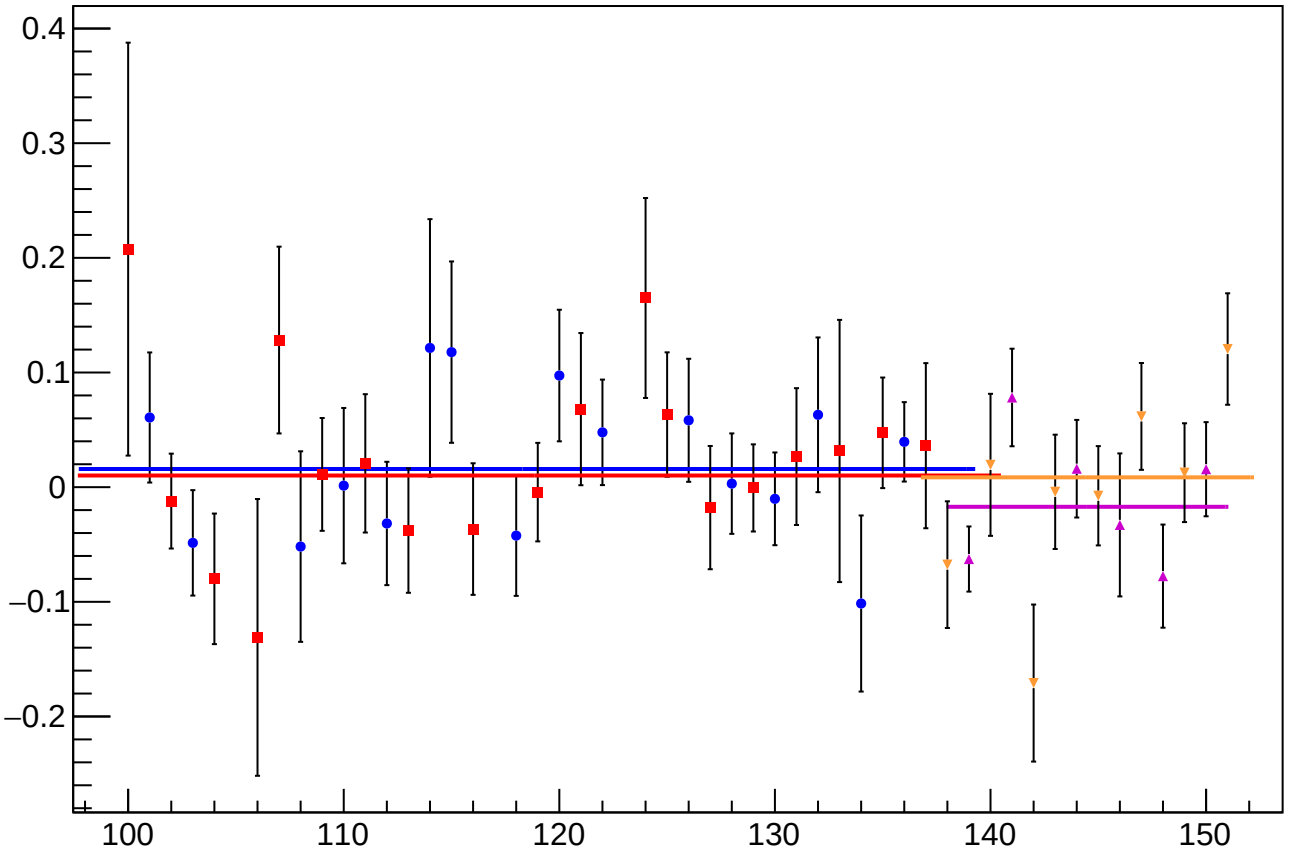
Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

Left In: 0.000+/-0.000 χ^2/NDF:446730.1/5

+ sign 0.000+/-0.000 χ^2/NDF: 3734064.7/23

All: 0.000+/-0.000 χ^2/NDF: 7391411.1/48

- sign 0.000+/-0.000 χ^2/NDF: 3655817.0/24



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.009+/-0.018 χ^2/NDF:15.6/7

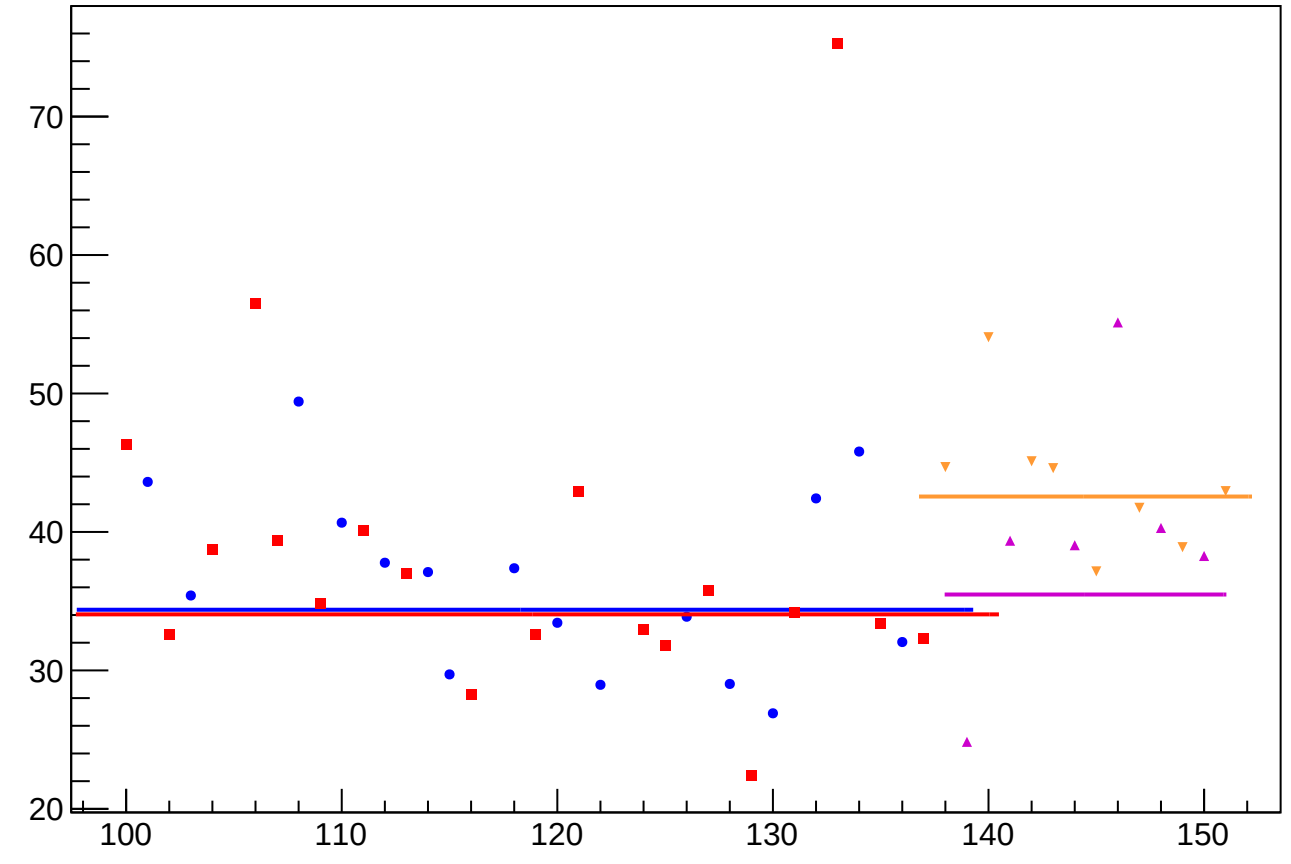
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.017+/-0.016 χ^2/NDF:10.7/5

+ sign 0.013+/-0.011 χ^2/NDF: 30.5/23

All: 0.006+/-0.007 χ^2/NDF: 58.8/48

- sign -0.001+/-0.010 χ^2/NDF: 27.5/24



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 42.558+/-0.013 χ^2/NDF:124436.5/7

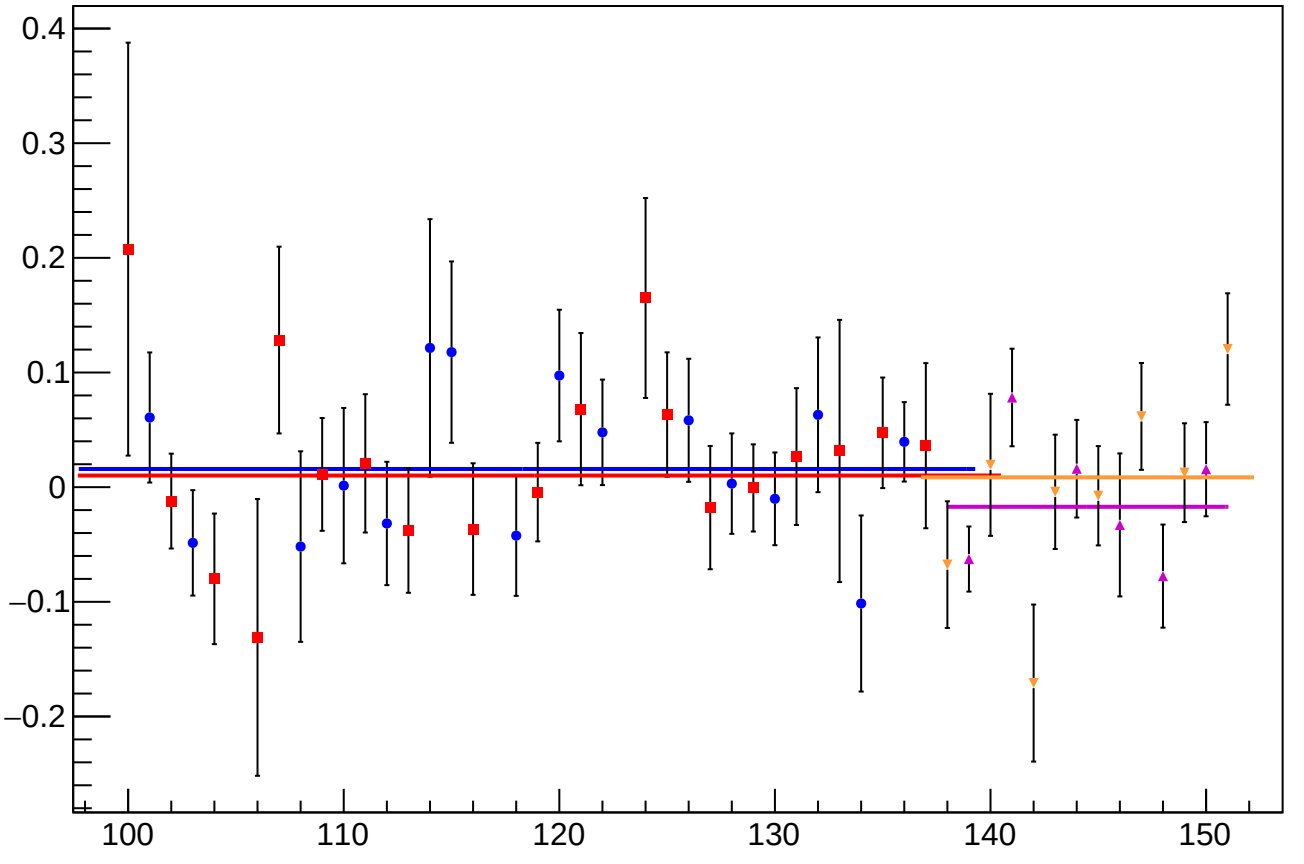
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 35.481+/-0.012 χ^2/NDF:542054.6/5

+ sign 37.340+/-0.008 χ^2/NDF: 761921.4/23

All: 35.923+/-0.005 χ^2/NDF: 2023527.6/48

- sign 34.609+/-0.007 χ^2/NDF: 1193984.4/24



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.009+/-0.018 χ^2/NDF:15.6/7

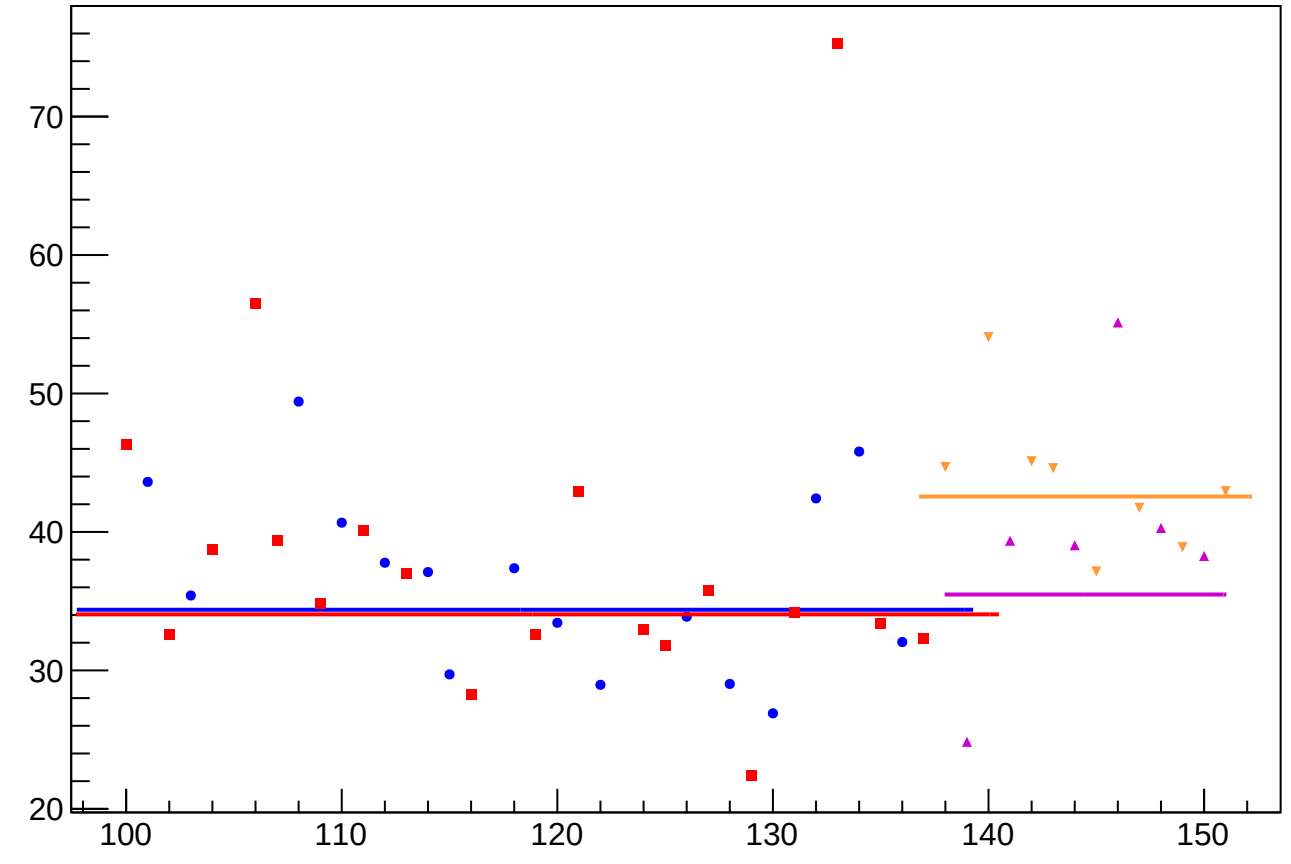
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.017+/-0.016 χ^2/NDF:10.7/5

+ sign 0.013+/-0.011 χ^2/NDF: 30.5/23

All: 0.006+/-0.007 χ^2/NDF: 58.8/48

- sign -0.001+/-0.010 χ^2/NDF: 27.5/24



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 42.558+/-0.013 χ^2/NDF:124436.5/7

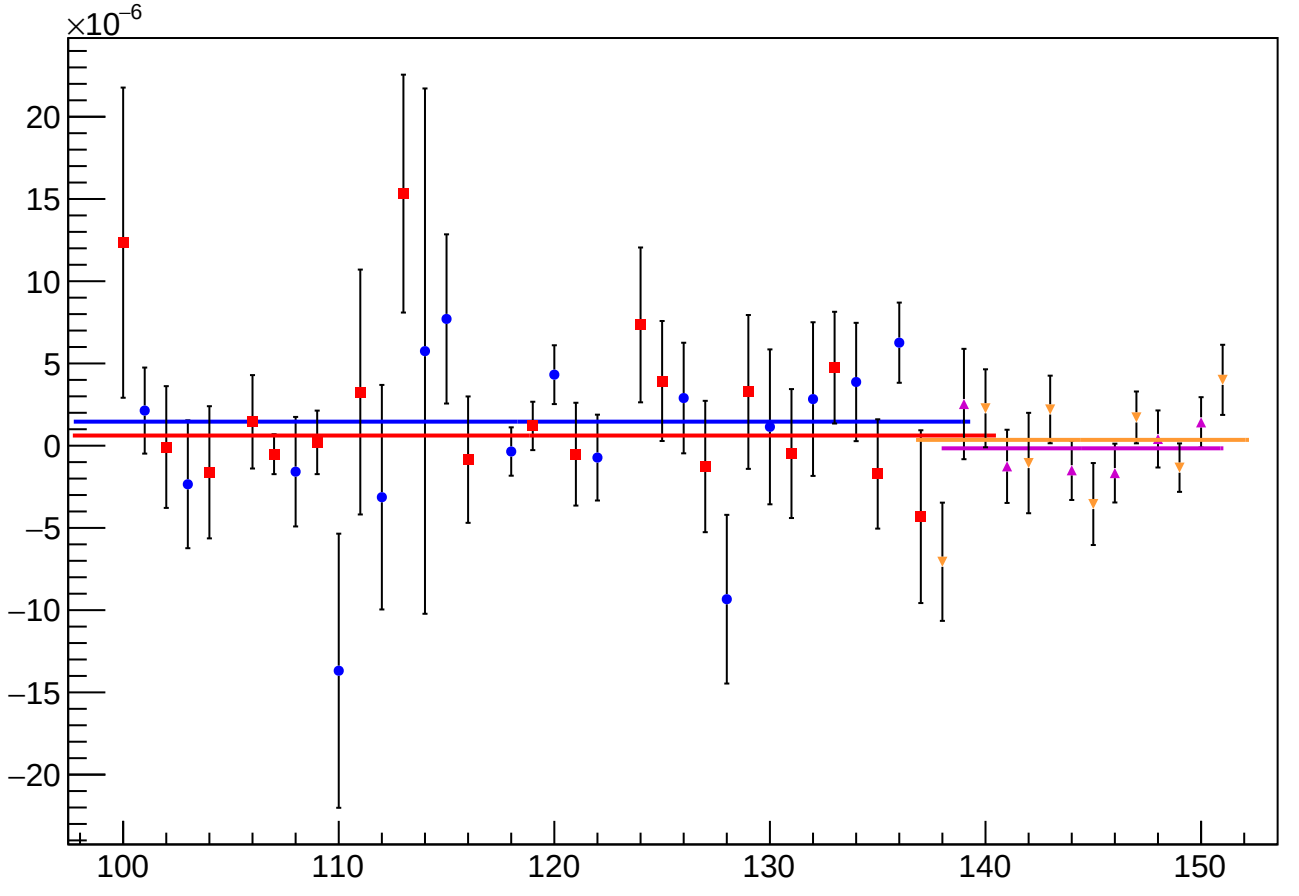
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 35.481+/-0.012 χ^2/NDF:542054.6/5

+ sign 37.340+/-0.008 χ^2/NDF: 761921.4/23

All: 35.923+/-0.005 χ^2/NDF: 2023527.6/48

- sign 34.609+/-0.007 χ^2/NDF: 1193984.4/24



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.4/7

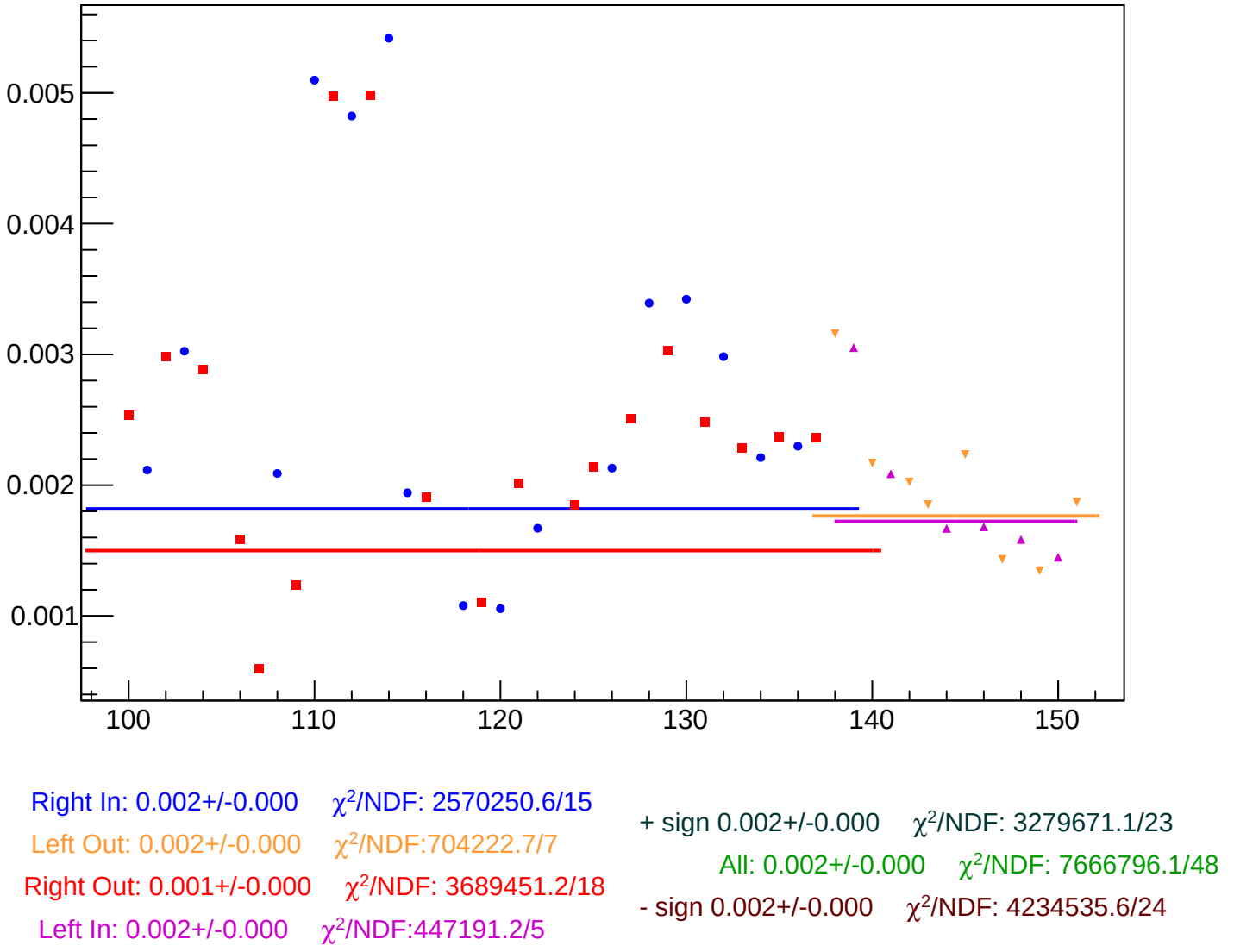
Right Out: 0.000+/-0.000 χ^2/NDF: 13.9/18

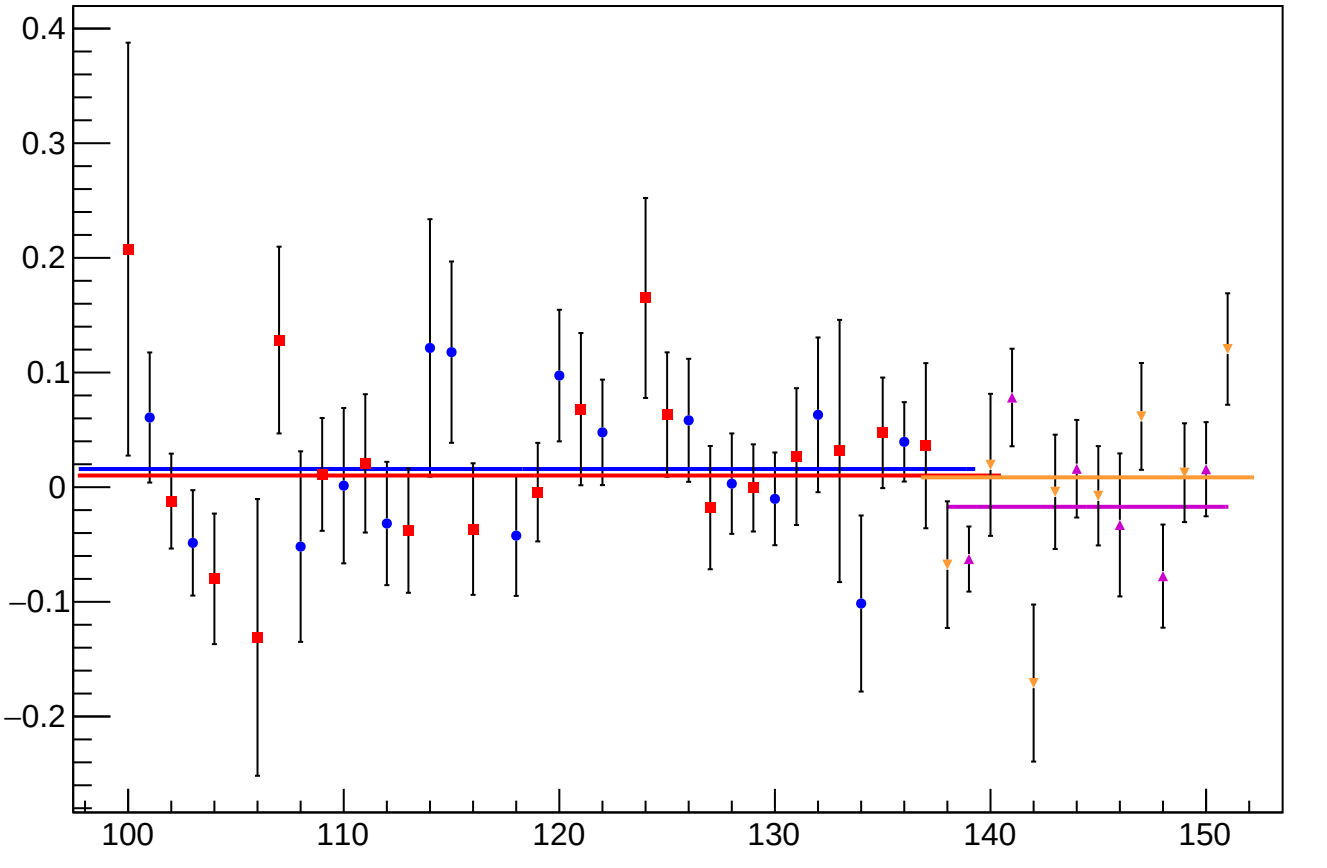
Left In: -0.000+/-0.000 χ^2/NDF:3.3/5

+ sign 0.000+/-0.000 χ^2/NDF: 35.5/23

All: 0.000+/-0.000 χ^2/NDF: 54.0/48

- sign 0.000+/-0.000 χ^2/NDF: 17.8/24


asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
Right In: 0.002+/-0.000 χ²/NDF: 2570250.6/15
Left Out: 0.002+/-0.000 χ²/NDF:704222.7/7
Right Out: 0.001+/-0.000 χ²/NDF: 3689451.2/18
Left In: 0.002+/-0.000 χ²/NDF:447191.2/5
+ sign 0.002+/-0.000 χ²/NDF: 3279671.1/23
All: 0.002+/-0.000 χ²/NDF: 7666796.1/48
- sign 0.002+/-0.000 χ²/NDF: 4234535.6/24



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.009+/-0.018 χ^2/NDF:15.6/7

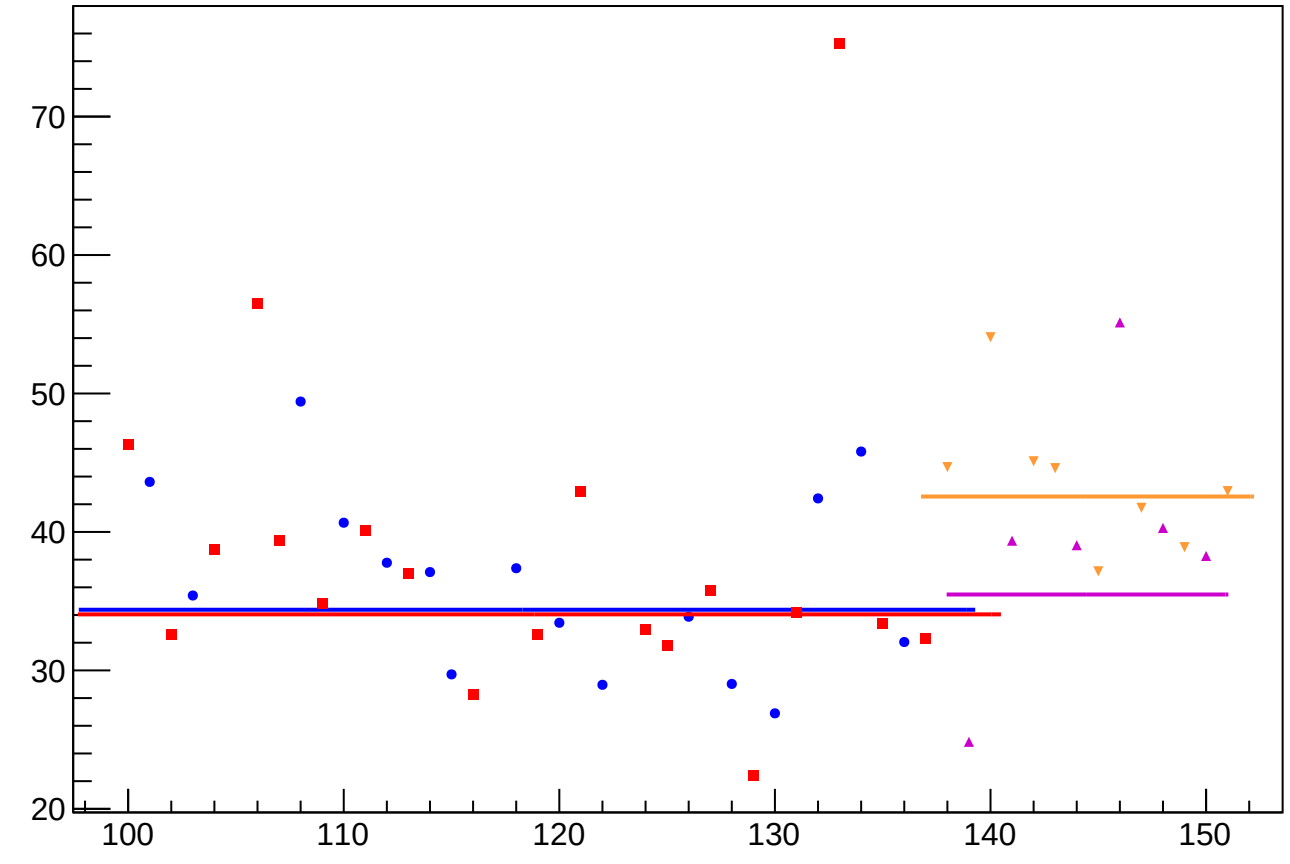
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.017+/-0.016 χ^2/NDF:10.7/5

\+ sign 0.013+/-0.011 χ^2/NDF: 30.5/23

All: 0.006+/-0.007 χ^2/NDF: 58.8/48

\- sign -0.001+/-0.010 χ^2/NDF: 27.5/24



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 42.559+/-0.013 χ^2/NDF:124425.2/7

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

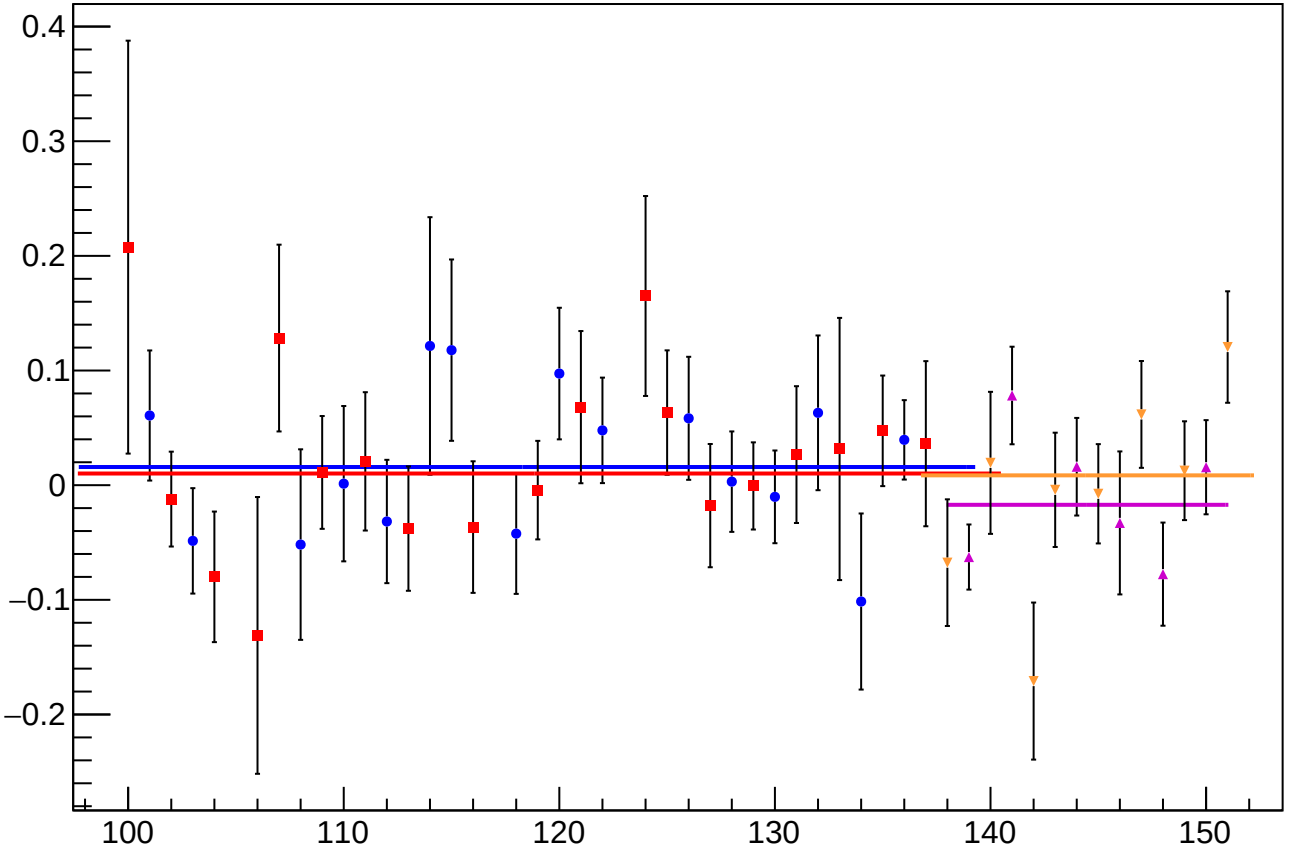
Left In: 35.482+/-0.012 χ^2/NDF:542066.3/5

+ sign 37.340+/-0.008 χ^2/NDF: 762057.2/23

All: 35.922+/-0.005 χ^2/NDF: 2023722.3/48

- sign 34.609+/-0.007 χ^2/NDF: 1194051.8/24

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.009+/-0.018 χ^2/NDF:15.6/7

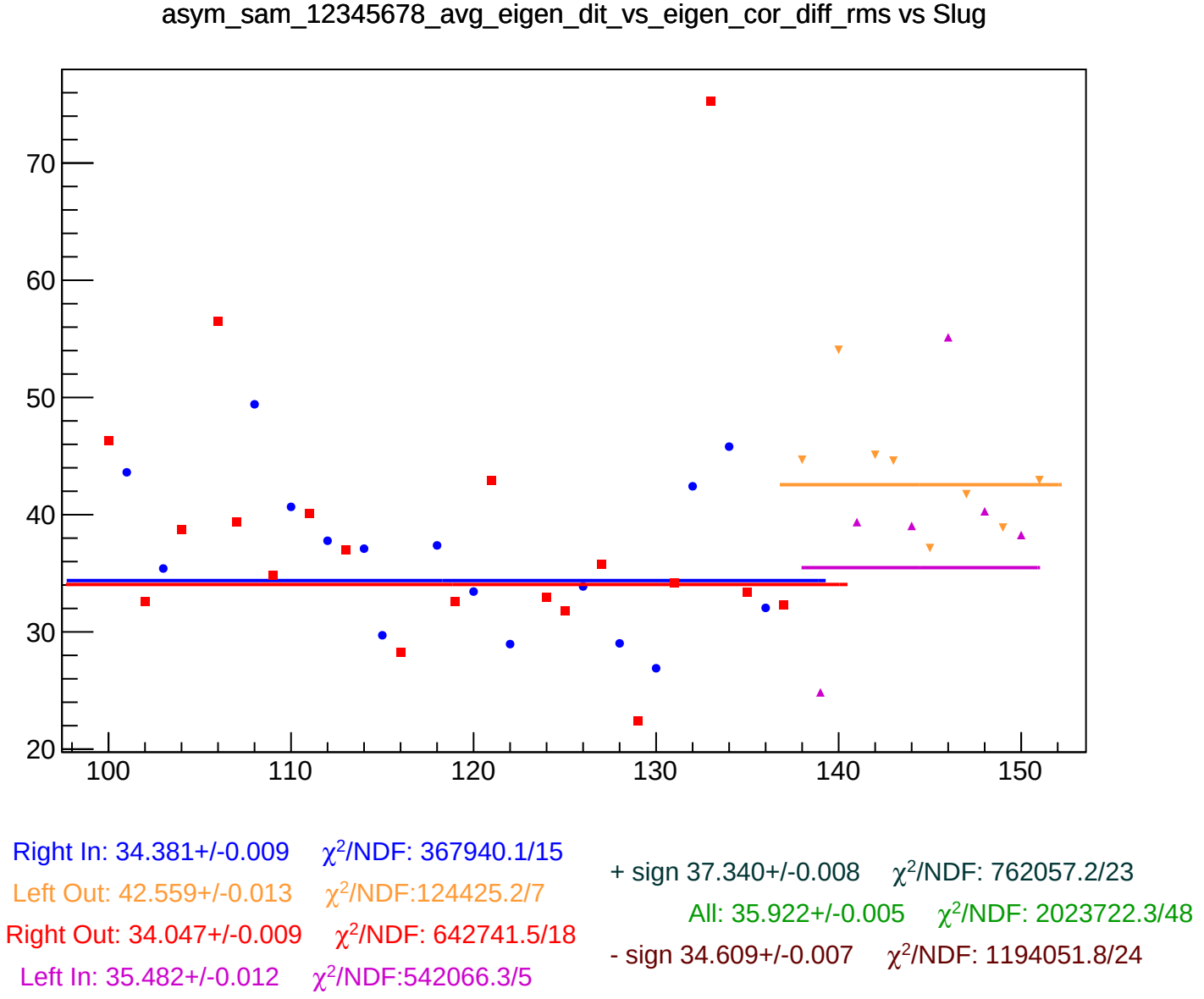
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

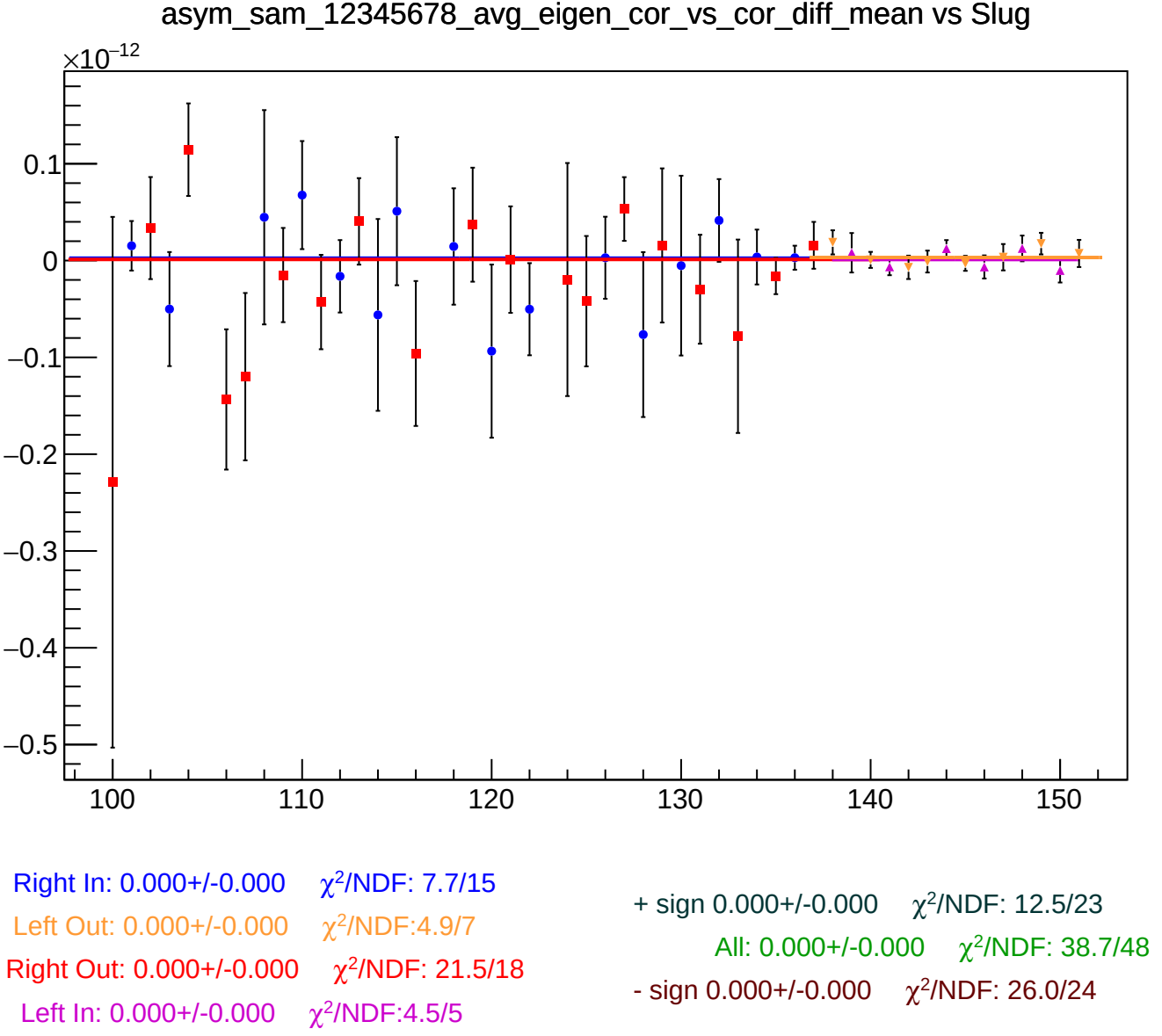
Left In: -0.017+/-0.016 χ^2/NDF:10.7/5

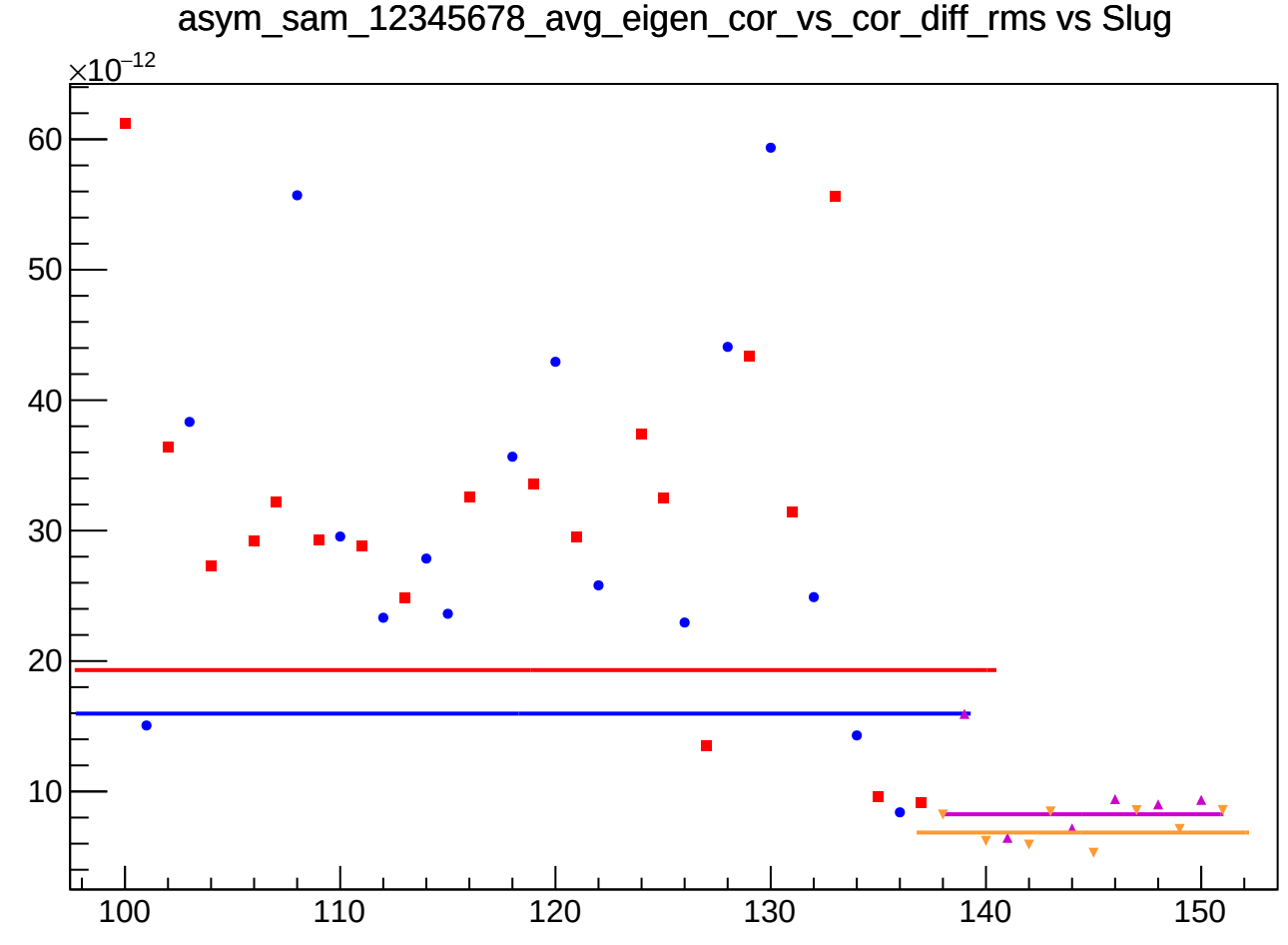
+ sign 0.013+/-0.011 χ^2/NDF: 30.5/23

All: 0.006+/-0.007 χ^2/NDF: 58.8/48

- sign -0.001+/-0.010 χ^2/NDF: 27.5/24


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
Right In: 34.381+/-0.009 χ²/NDF: 367940.1/15
Left Out: 42.559+/-0.013 χ²/NDF:124425.2/7
Right Out: 34.047+/-0.009 χ²/NDF: 642741.5/18
Left In: 35.482+/-0.012 χ²/NDF:542066.3/5
+ sign 37.340+/-0.008 χ²/NDF: 762057.2/23
All: 35.922+/-0.005 χ²/NDF: 2023722.3/48
- sign 34.609+/-0.007 χ²/NDF: 1194051.8/24


asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 7.7/15
Left Out: 0.000+/-0.000 χ²/NDF:4.9/7
Right Out: 0.000+/-0.000 χ²/NDF: 21.5/18
Left In: 0.000+/-0.000 χ²/NDF:4.5/5
+ sign 0.000+/-0.000 χ²/NDF: 12.5/23
All: 0.000+/-0.000 χ²/NDF: 38.7/48
- sign 0.000+/-0.000 χ²/NDF: 26.0/24



Right In: 0.000+/-0.000 χ^2/NDF: 2822278.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:232711.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2440768.5/18

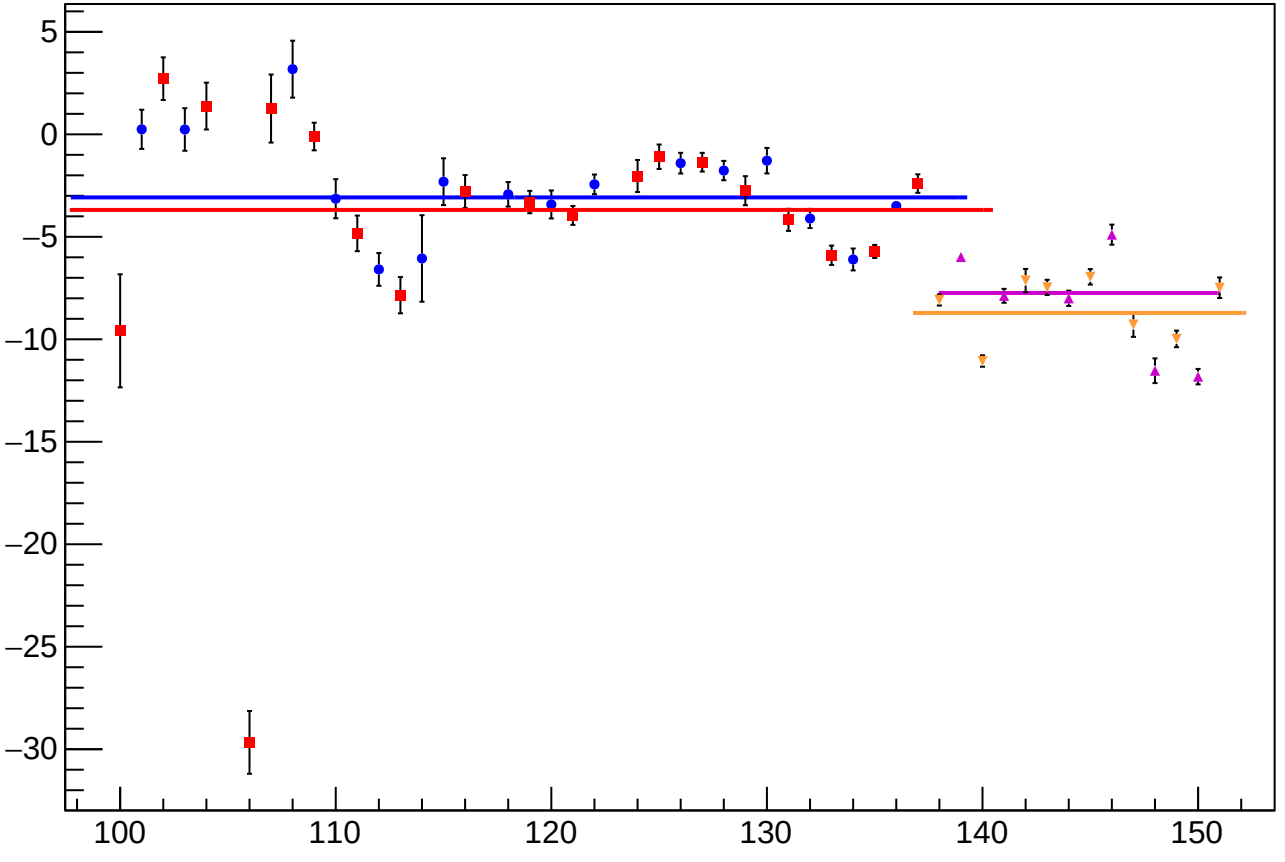
Left In: 0.000+/-0.000 χ^2/NDF:444120.4/5

+ sign 0.000+/-0.000 χ^2/NDF: 4899069.1/23

All: 0.000+/-0.000 χ^2/NDF: 9964769.1/48

- sign 0.000+/-0.000 χ^2/NDF: 4839884.5/24

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -8.714+/-0.133 χ^2/NDF:134.4/7

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

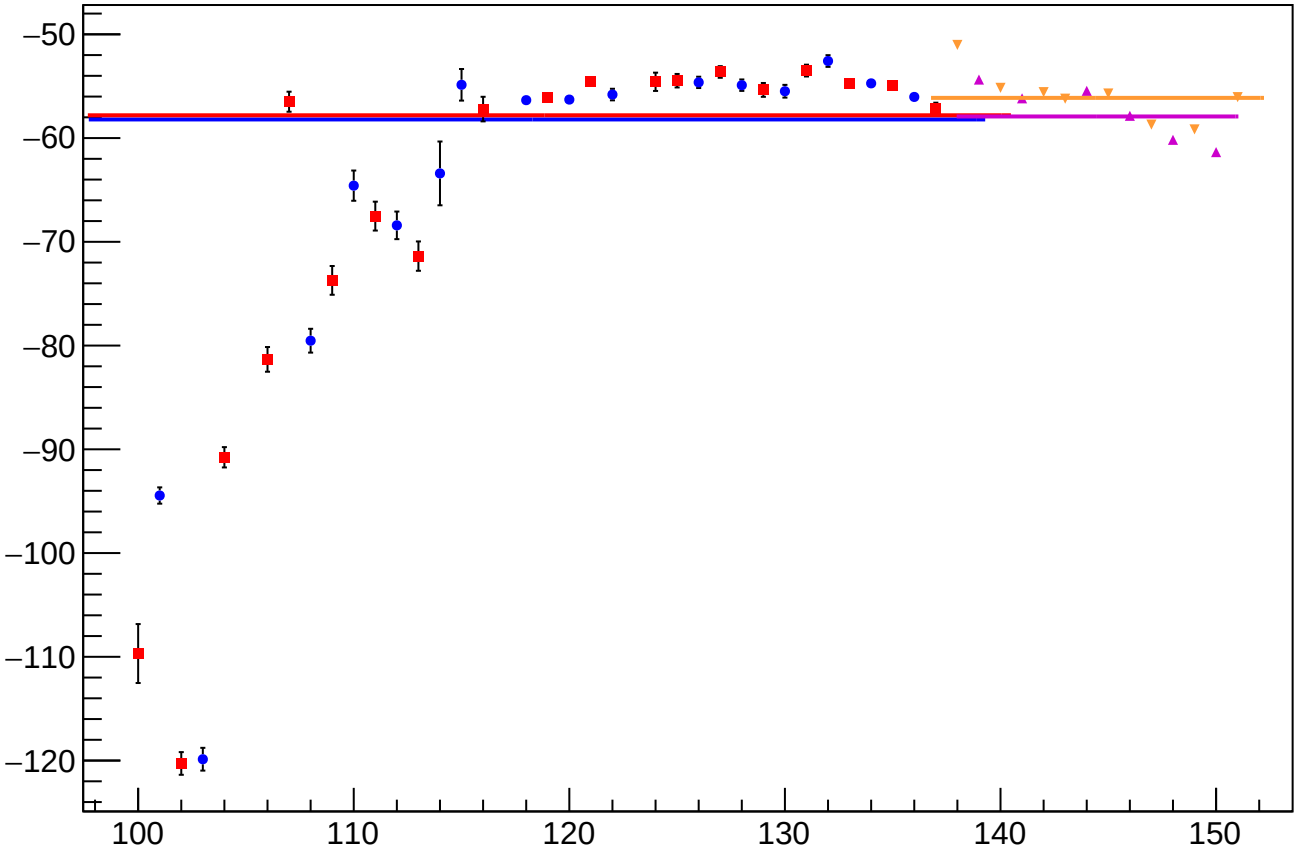
Left In: -7.739+/-0.146 χ^2/NDF:244.8/5

+ sign -5.948+/-0.095 χ^2/NDF: 1153.2/23

All: -5.801+/-0.069 χ^2/NDF: 2339.3/48

- sign -5.634+/-0.101 χ^2/NDF: 1180.9/24

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -58.204+/-0.136 χ^2/NDF: 6126.9/15

Left Out: -56.125+/-0.101 χ^2/NDF:507.3/7

Right Out: -57.804+/-0.138 χ^2/NDF: 5792.7/18

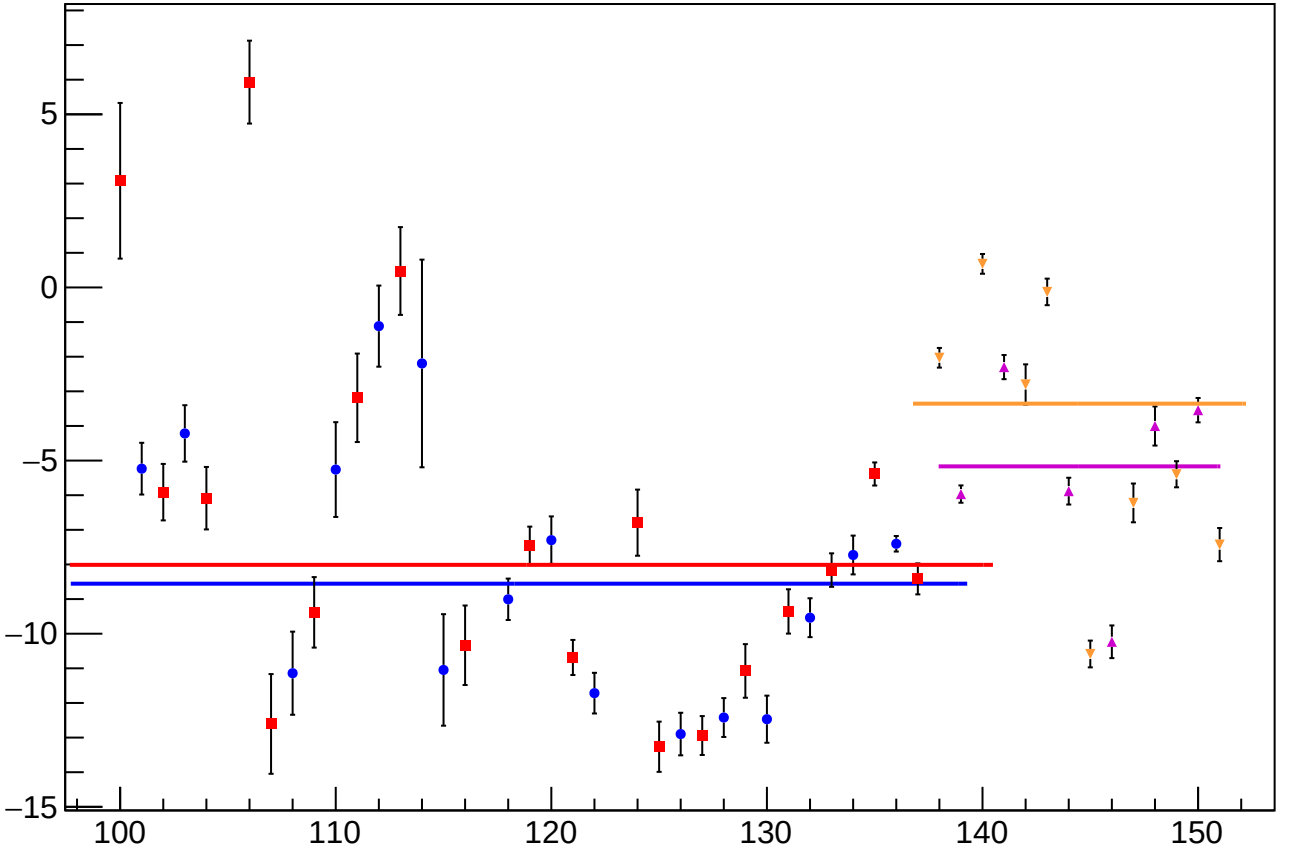
Left In: -57.917+/-0.118 χ^2/NDF:434.6/5

+ sign -56.865+/-0.081 χ^2/NDF: 6785.8/23

All: -57.314+/-0.060 χ^2/NDF: 13082.5/48

- sign -57.869+/-0.090 χ^2/NDF: 6227.7/24

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -3.356+/-0.134 χ^2/NDF:770.4/7

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

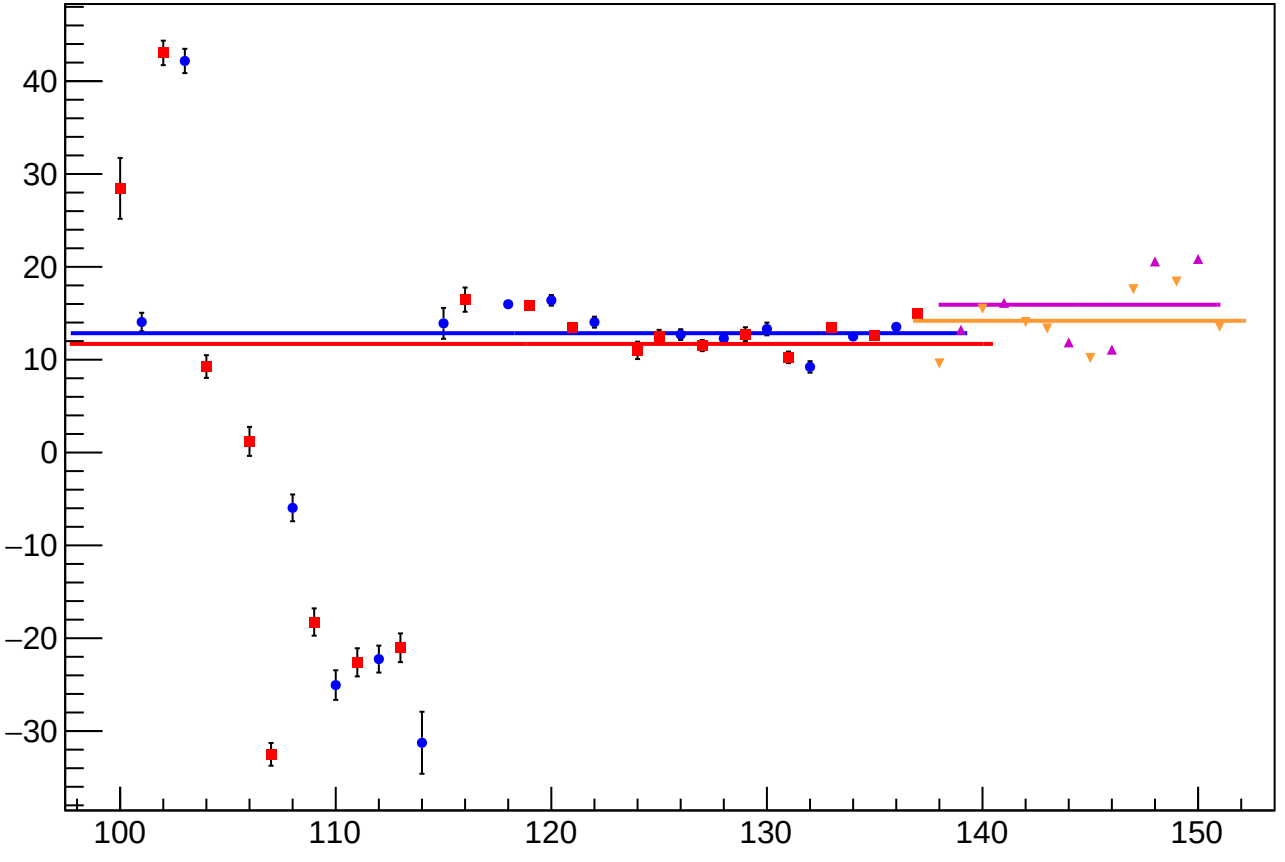
Left In: -5.167+/-0.147 χ^2/NDF:222.0/5

+ sign -5.756+/-0.098 χ^2/NDF: 1766.0/23

All: -6.114+/-0.072 χ^2/NDF: 2686.2/48

- sign -6.528+/-0.106 χ^2/NDF: 891.6/24

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 14.190+/-0.121 χ^2/NDF:597.1/7

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

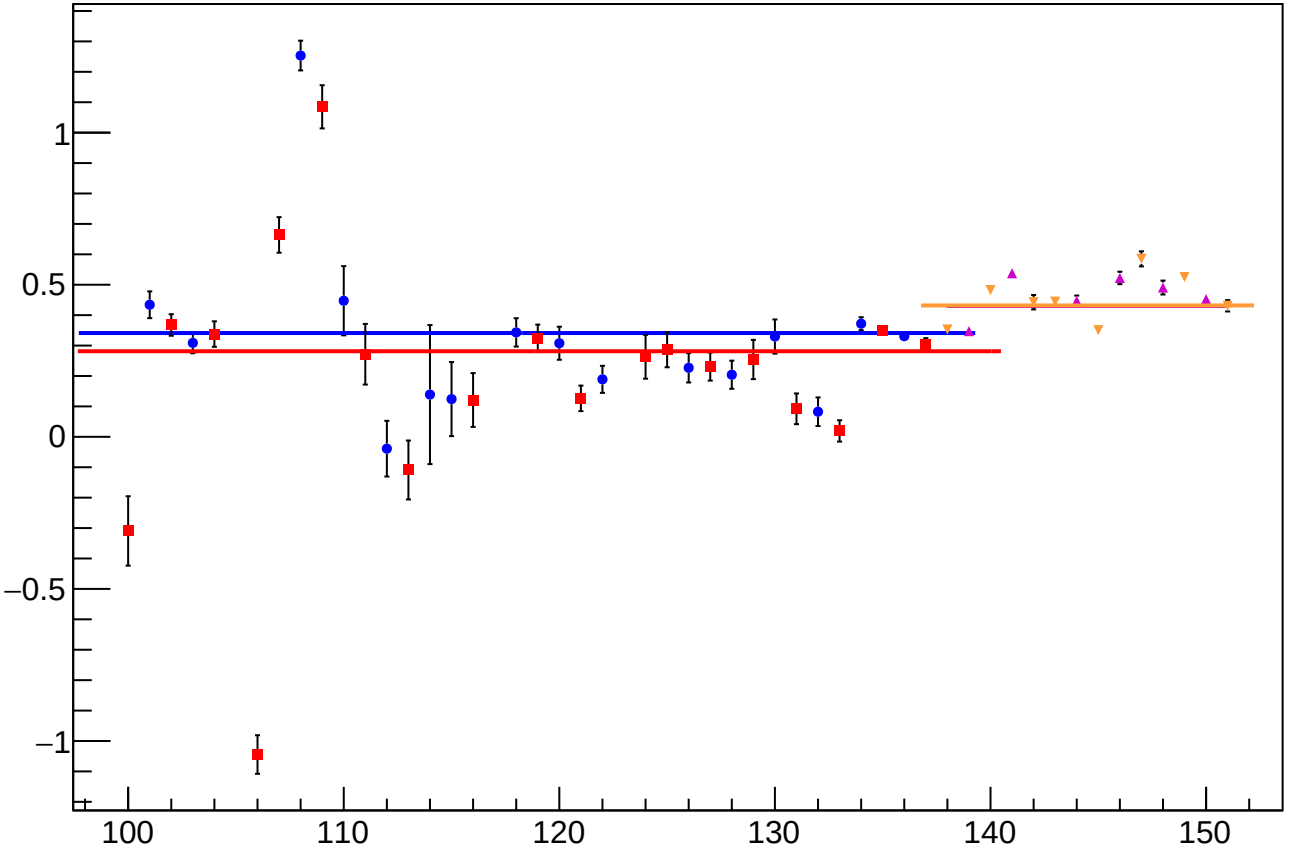
Left In: 15.922+/-0.140 χ^2/NDF:779.3/5

+ sign 13.665+/-0.094 χ^2/NDF: 2773.5/23

All: 13.831+/-0.070 χ^2/NDF: 7468.3/48

- sign 14.033+/-0.104 χ^2/NDF: 4687.8/24

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.432+/-0.005 χ^2/NDF:170.1/7

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

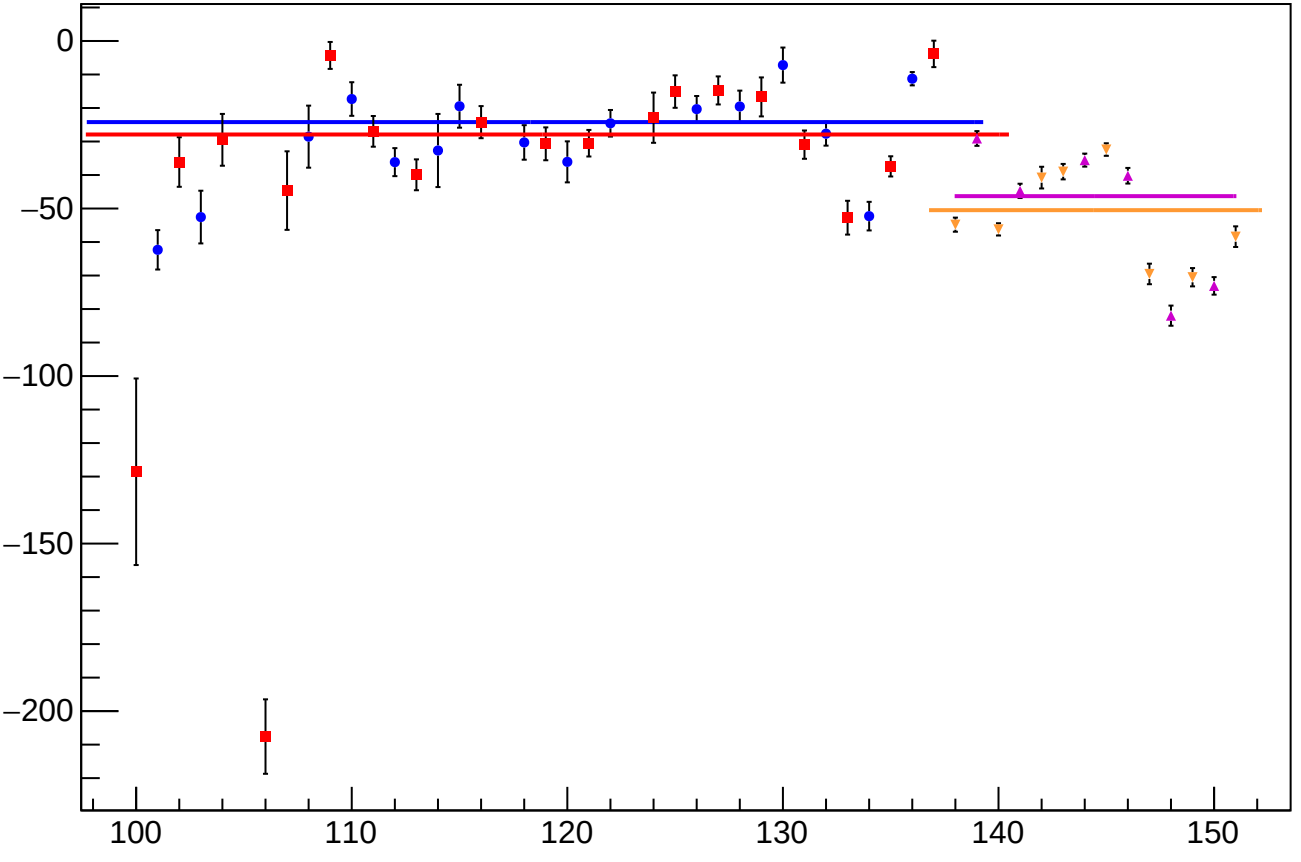
Left In: 0.430+/-0.006 χ^2/NDF:173.9/5

+ sign 0.402+/-0.005 χ^2/NDF: 694.0/23

All: 0.393+/-0.003 χ^2/NDF: 1864.8/48

- sign 0.383+/-0.005 χ^2/NDF: 1162.2/24

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -24.205+/-1.086 χ^2/NDF: 170.7/15

Left Out: -50.491+/-0.835 χ^2/NDF:239.7/7

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

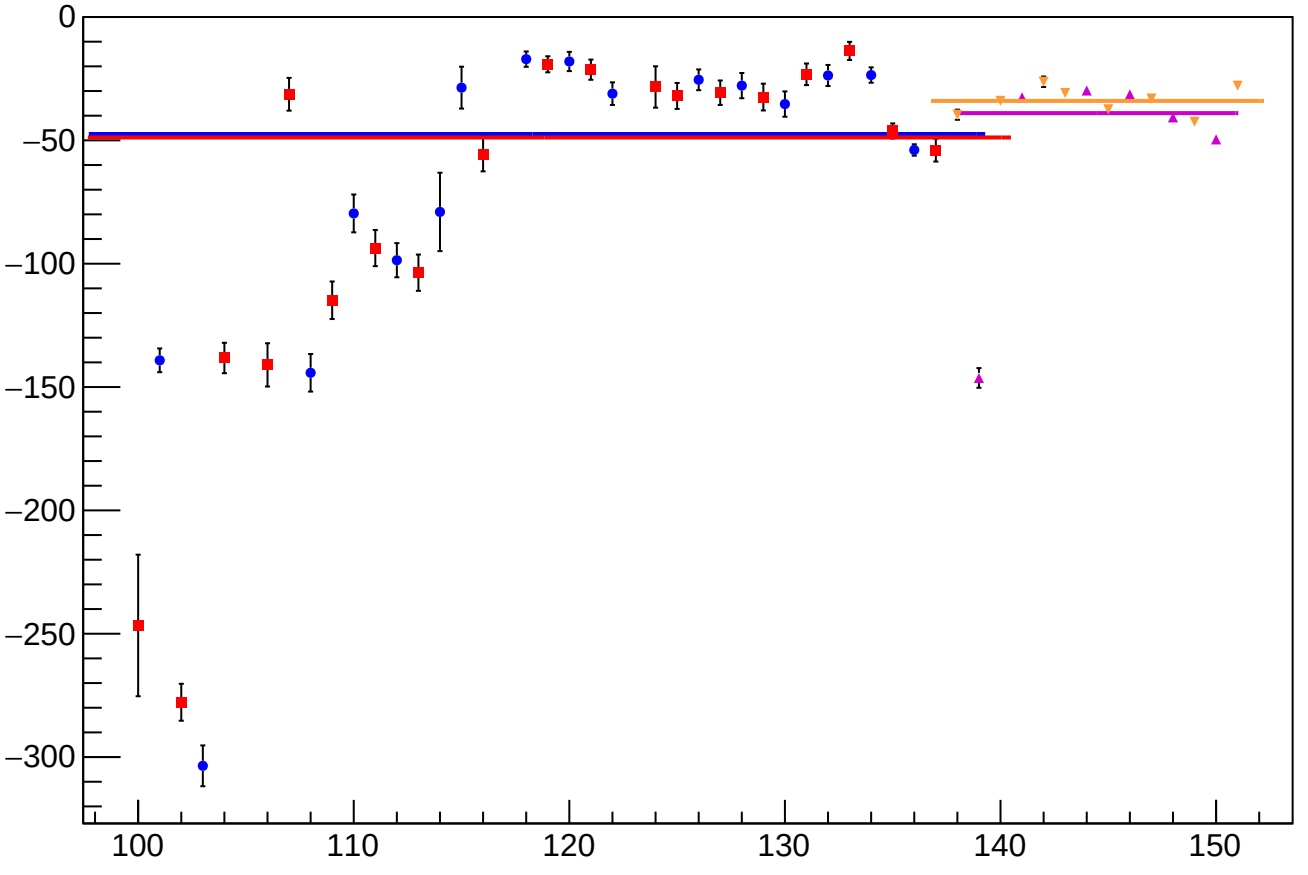
Left In: -46.306+/-0.940 χ^2/NDF:344.5/5

+ sign -40.736+/-0.662 χ^2/NDF: 778.6/23

All: -39.870+/-0.489 χ^2/NDF: 1695.7/48

- sign -38.832+/-0.725 χ^2/NDF: 913.4/24

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -34.015+/-0.591 χ^2/NDF:67.1/7

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

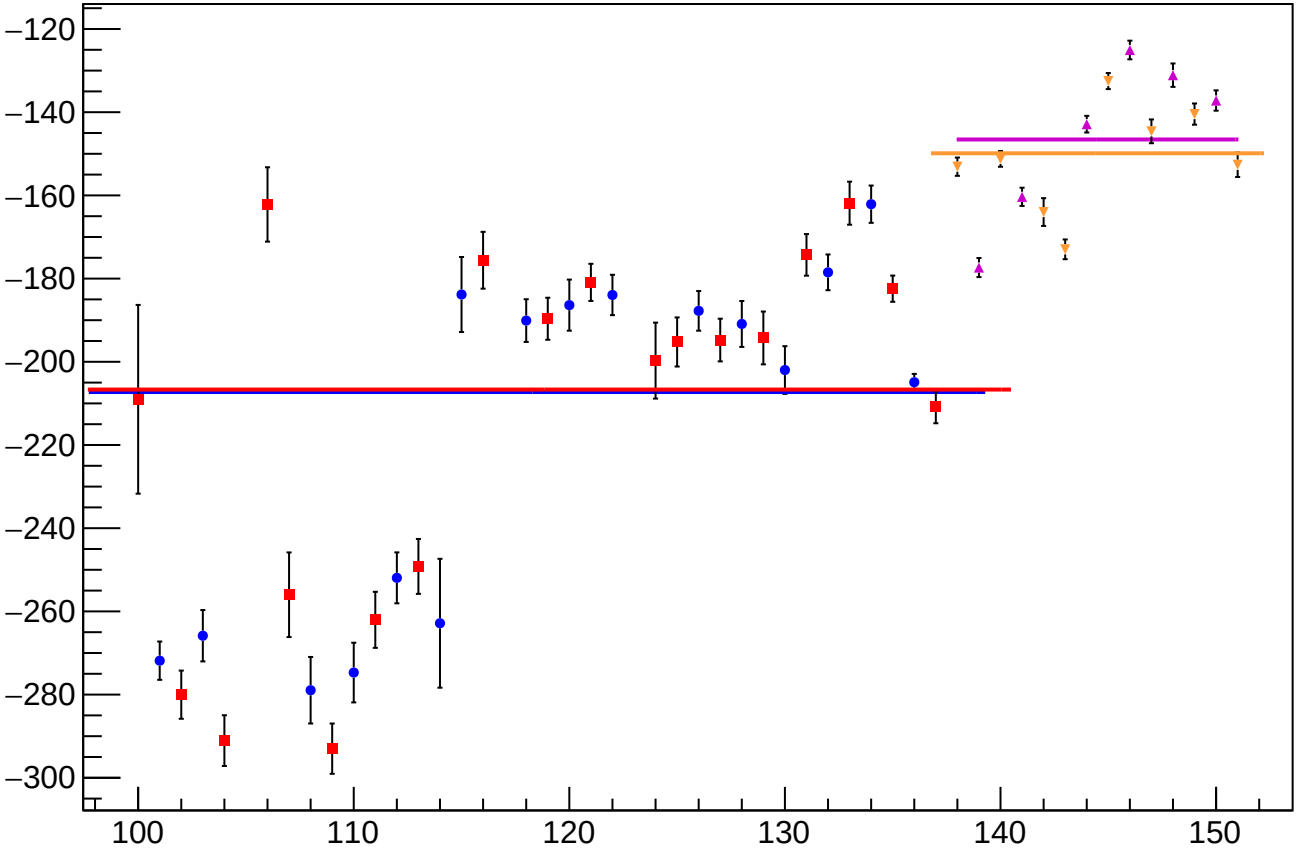
Left In: -38.953+/-0.659 χ^2/NDF:852.0/5

+ sign -37.015+/-0.521 χ^2/NDF: 2055.7/23

All: -38.942+/-0.386 χ^2/NDF: 4766.0/48

- sign -41.295+/-0.576 χ^2/NDF: 2679.9/24

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -149.877+/-0.841 χ^2/NDF:213.8/7

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

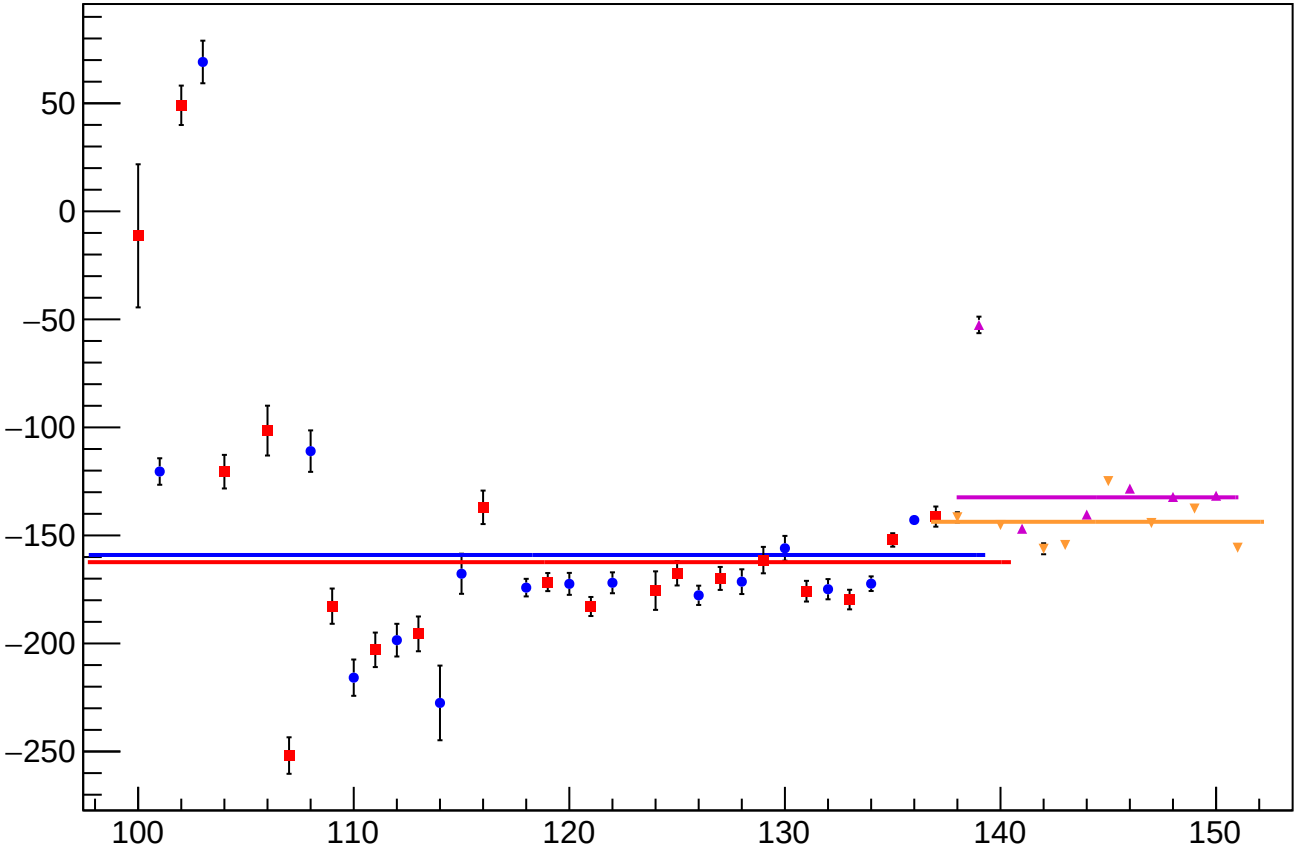
Left In: -146.559+/-0.936 χ^2/NDF:359.9/5

+ sign -169.239+/-0.684 χ^2/NDF: 2534.1/23

All: -168.468+/-0.507 χ^2/NDF: 5303.7/48

- sign -167.528+/-0.756 χ^2/NDF: 2766.8/24

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -159.048+/-1.225 χ^2/NDF: 815.8/15

Left Out: -143.690+/-0.721 χ^2/NDF:209.3/7

Right Out: -162.370+/-1.324 χ^2/NDF: 872.6/18

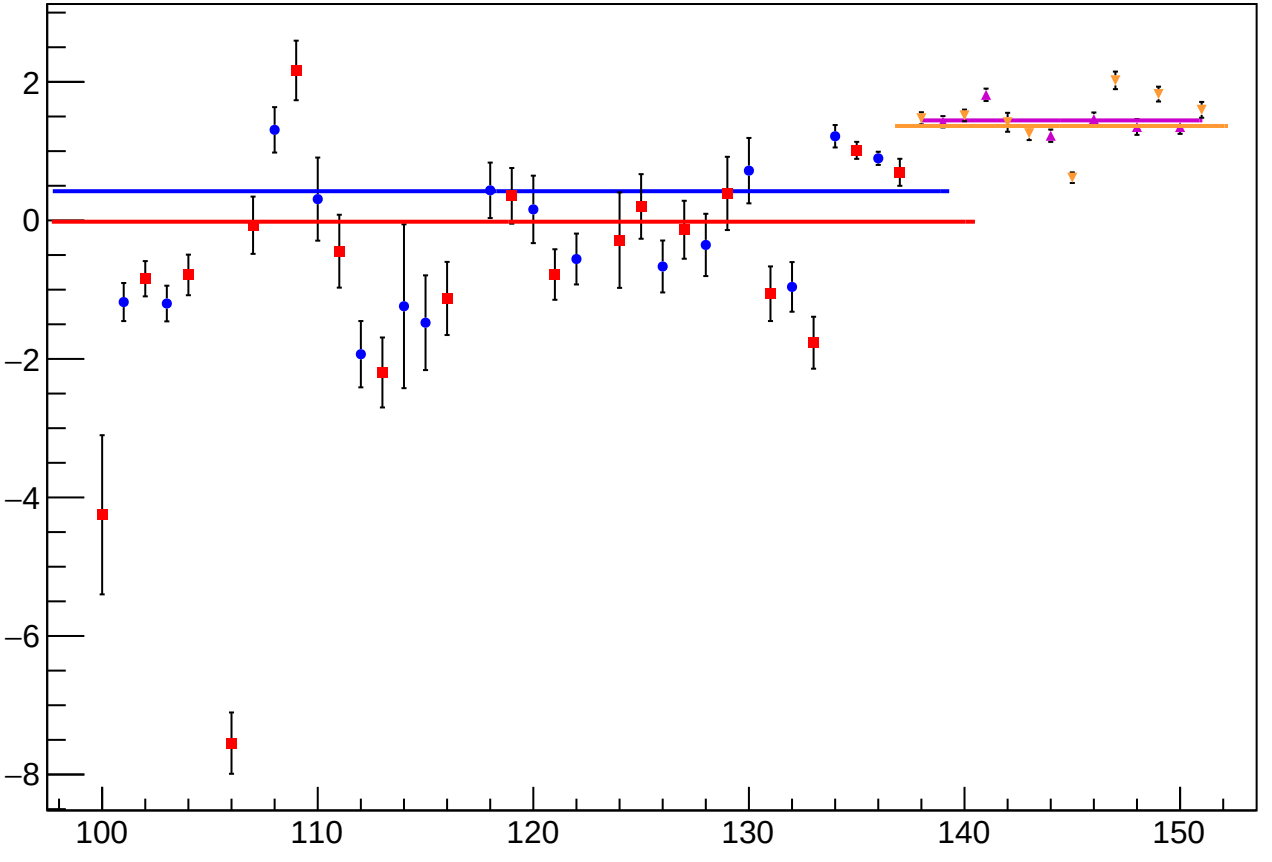
Left In: -132.366+/-0.804 χ^2/NDF:525.3/5

+ sign -147.640+/-0.621 χ^2/NDF: 1141.8/23

All: -144.408+/-0.461 χ^2/NDF: 2974.8/48

- sign -140.452+/-0.687 χ^2/NDF: 1772.9/24

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.421+/-0.065 χ^2/NDF: 197.6/15

Left Out: 1.363+/-0.035 χ^2/NDF:150.4/7

Right Out: -0.019+/-0.072 χ^2/NDF: 488.2/18

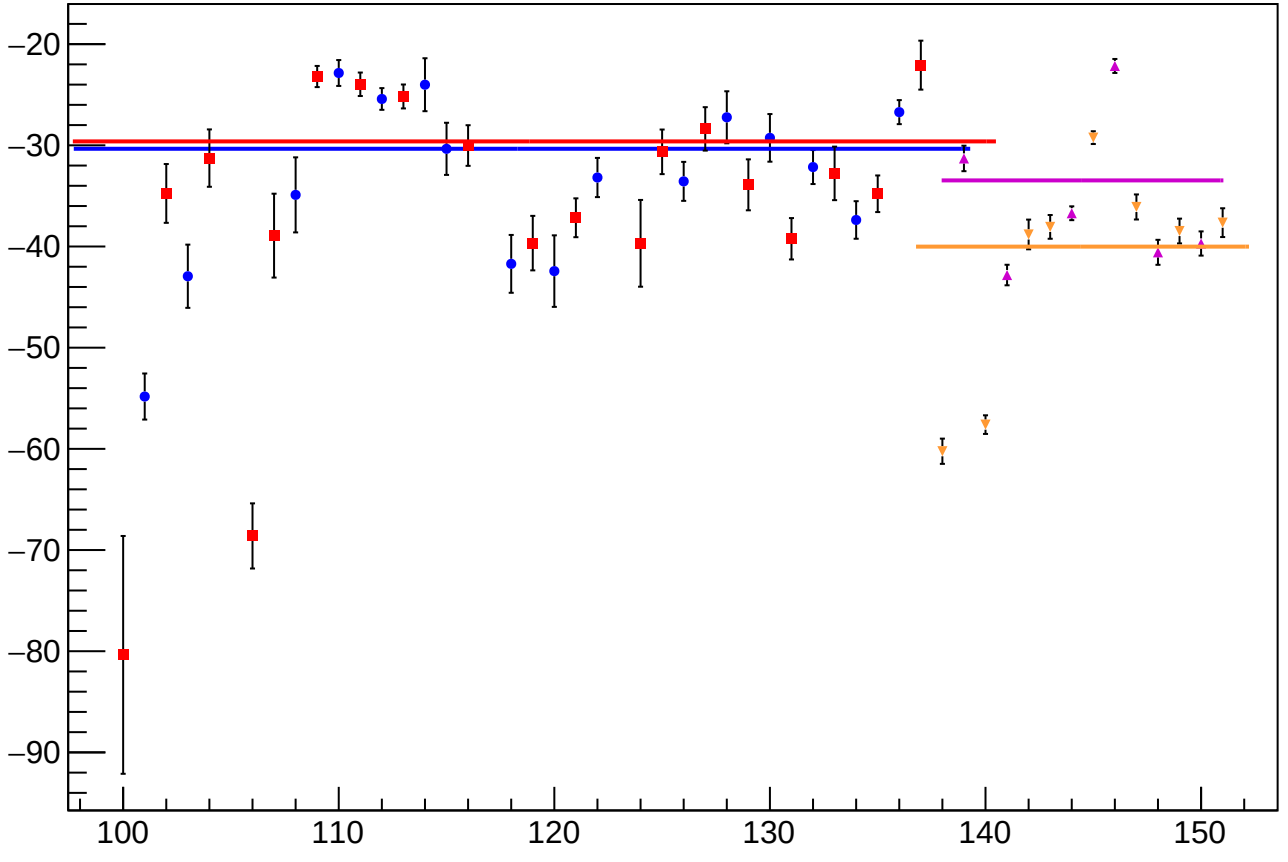
Left In: 1.444+/-0.038 χ^2/NDF:24.9/5

+ sign 1.152+/-0.031 χ^2/NDF: 511.8/23

All: 1.139+/-0.023 χ^2/NDF: 1344.9/48

- sign 1.124+/-0.034 χ^2/NDF: 832.8/24

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -30.341+/-0.468 χ^2/NDF: 253.6/15

Left Out: -40.012+/-0.369 χ^2/NDF:936.3/7

Right Out: -29.613+/-0.450 χ^2/NDF: 329.2/18

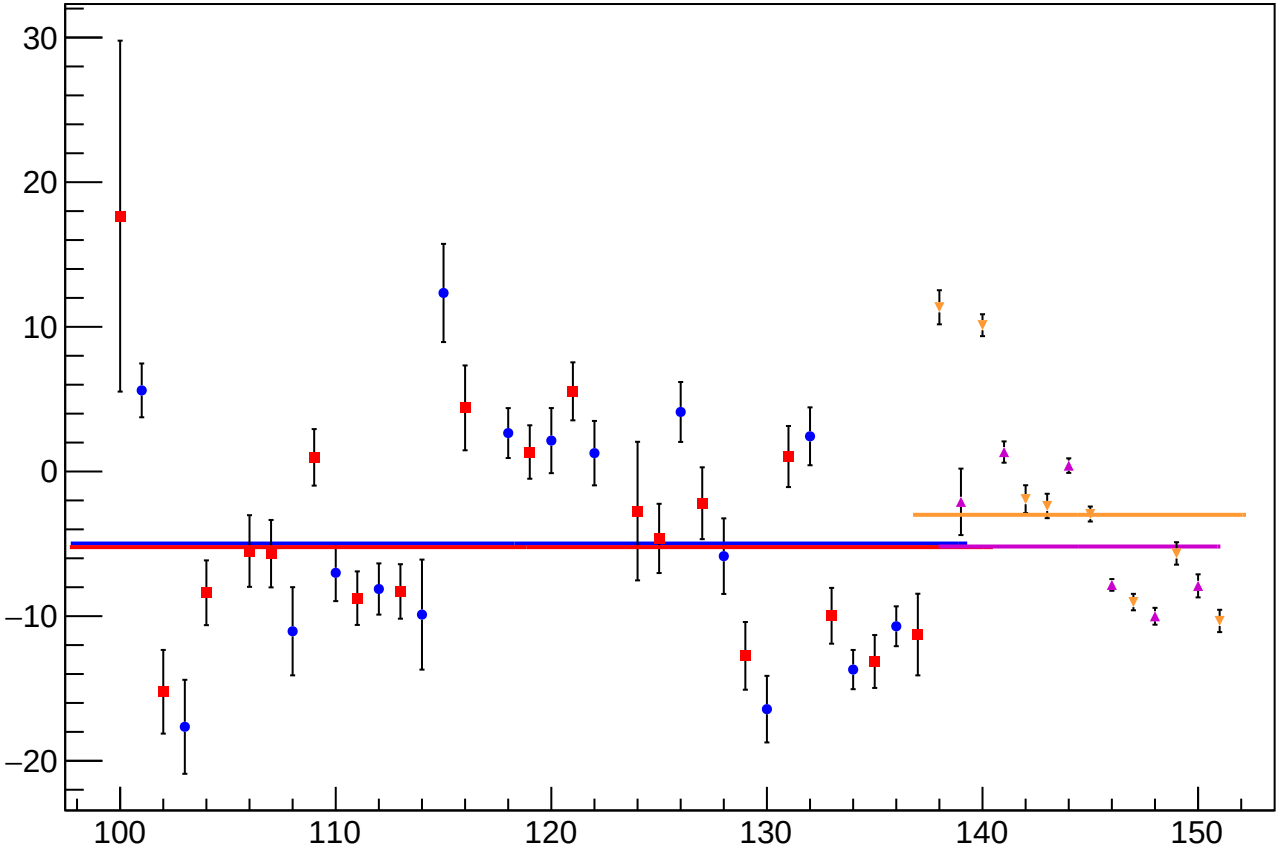
Left In: -33.468+/-0.373 χ^2/NDF:438.4/5

+ sign -36.299+/-0.290 χ^2/NDF: 1453.2/23

All: -34.079+/-0.204 χ^2/NDF: 2380.4/48

- sign -31.900+/-0.287 χ^2/NDF: 811.1/24

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -4.980+/-0.510 χ^2/NDF: 237.3/15

Left Out: -2.995+/-0.257 χ^2/NDF:665.1/7

Right Out: -5.228+/-0.524 χ^2/NDF: 136.5/18

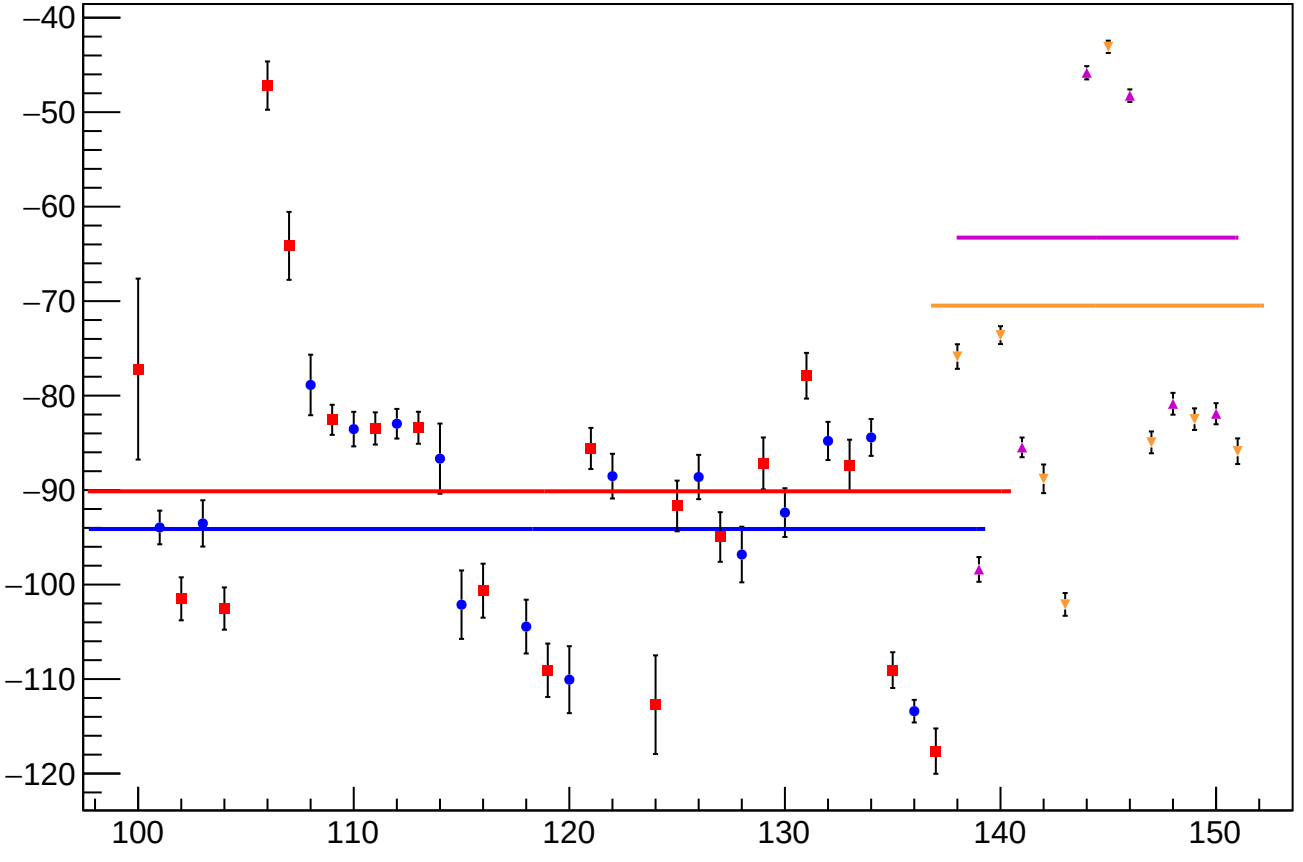
Left In: -5.186+/-0.245 χ^2/NDF:326.9/5

+ sign -3.397+/-0.230 χ^2/NDF: 914.5/23

All: -4.325+/-0.160 χ^2/NDF: 1409.5/48

- sign -5.193+/-0.222 χ^2/NDF: 463.4/24

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -94.115+/-0.537 χ^2/NDF: 466.8/15

Left Out: -70.475+/-0.371 χ^2/NDF:3030.8/7

Right Out: -90.127+/-0.543 χ^2/NDF: 789.3/18

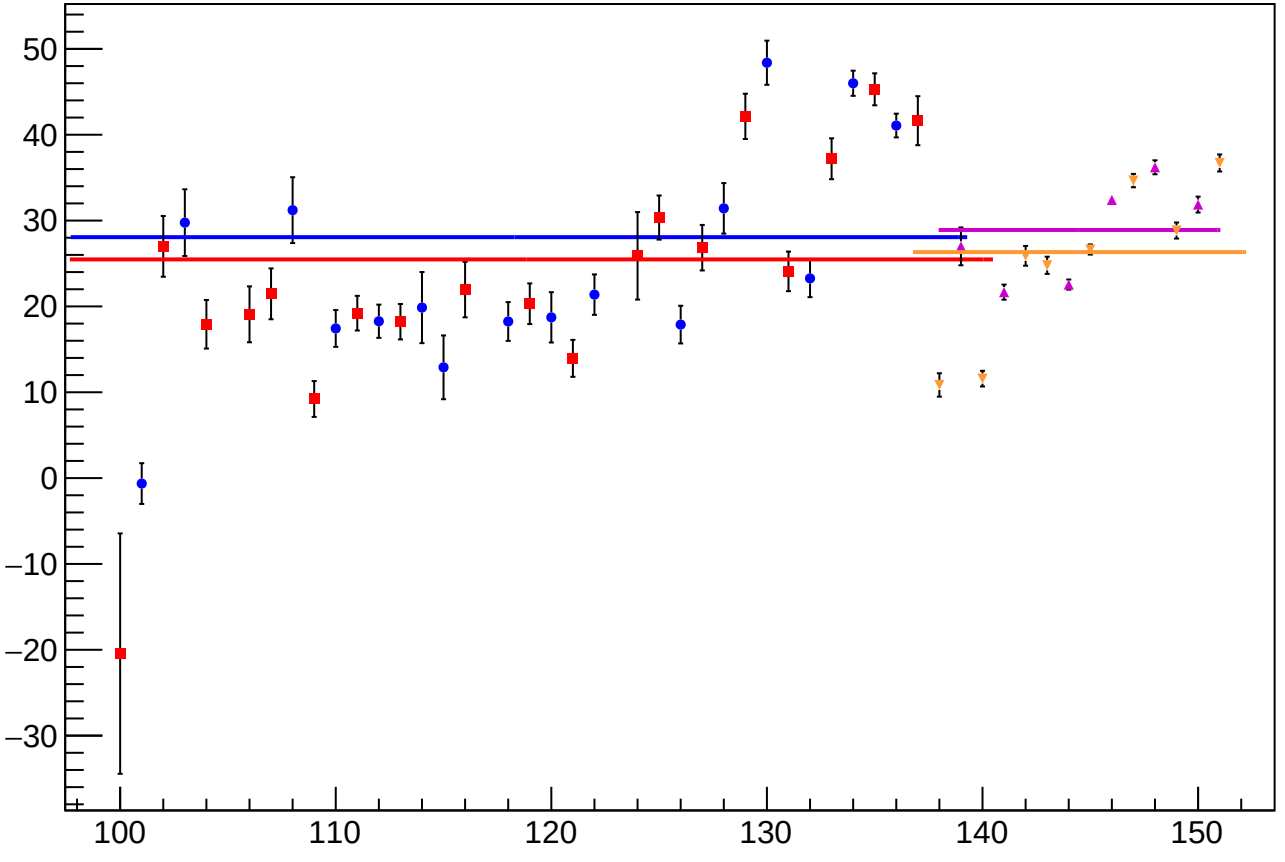
Left In: -63.278+/-0.369 χ^2/NDF:2806.0/5

+ sign -78.125+/-0.305 χ^2/NDF: 4808.3/23

All: -74.950+/-0.216 χ^2/NDF: 10291.1/48

- sign -71.776+/-0.305 χ^2/NDF: 5266.8/24

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 26.331+/-0.314 χ^2/NDF:623.0/7

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

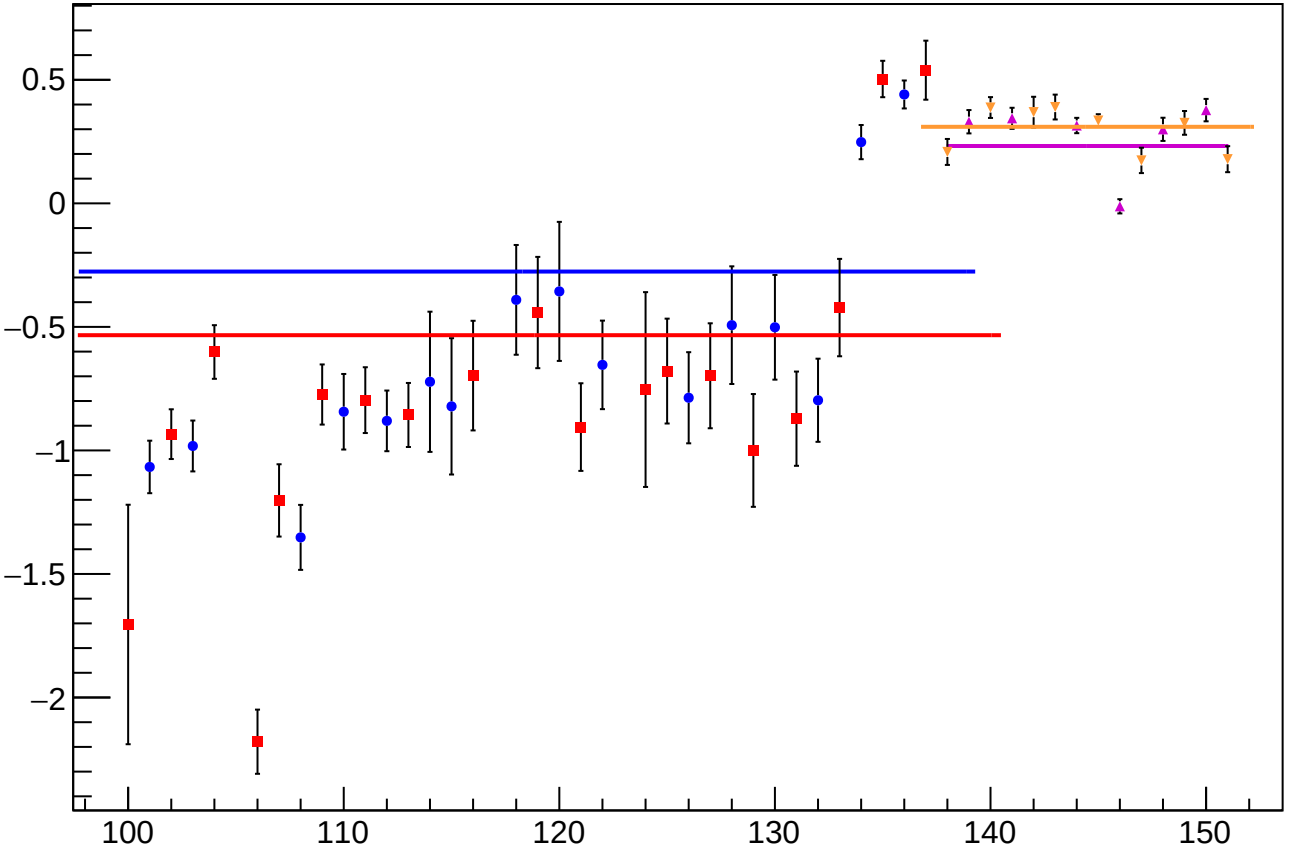
Left In: 28.904+/-0.303 χ^2/NDF:322.8/5

+ sign 26.737+/-0.275 χ^2/NDF: 1213.2/23

All: 27.478+/-0.192 χ^2/NDF: 1931.7/48

- sign 28.190+/-0.270 χ^2/NDF: 704.2/24

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.276+/-0.031 χ^2/NDF: 455.6/15

Left Out: 0.310+/-0.015 χ^2/NDF:24.9/7

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

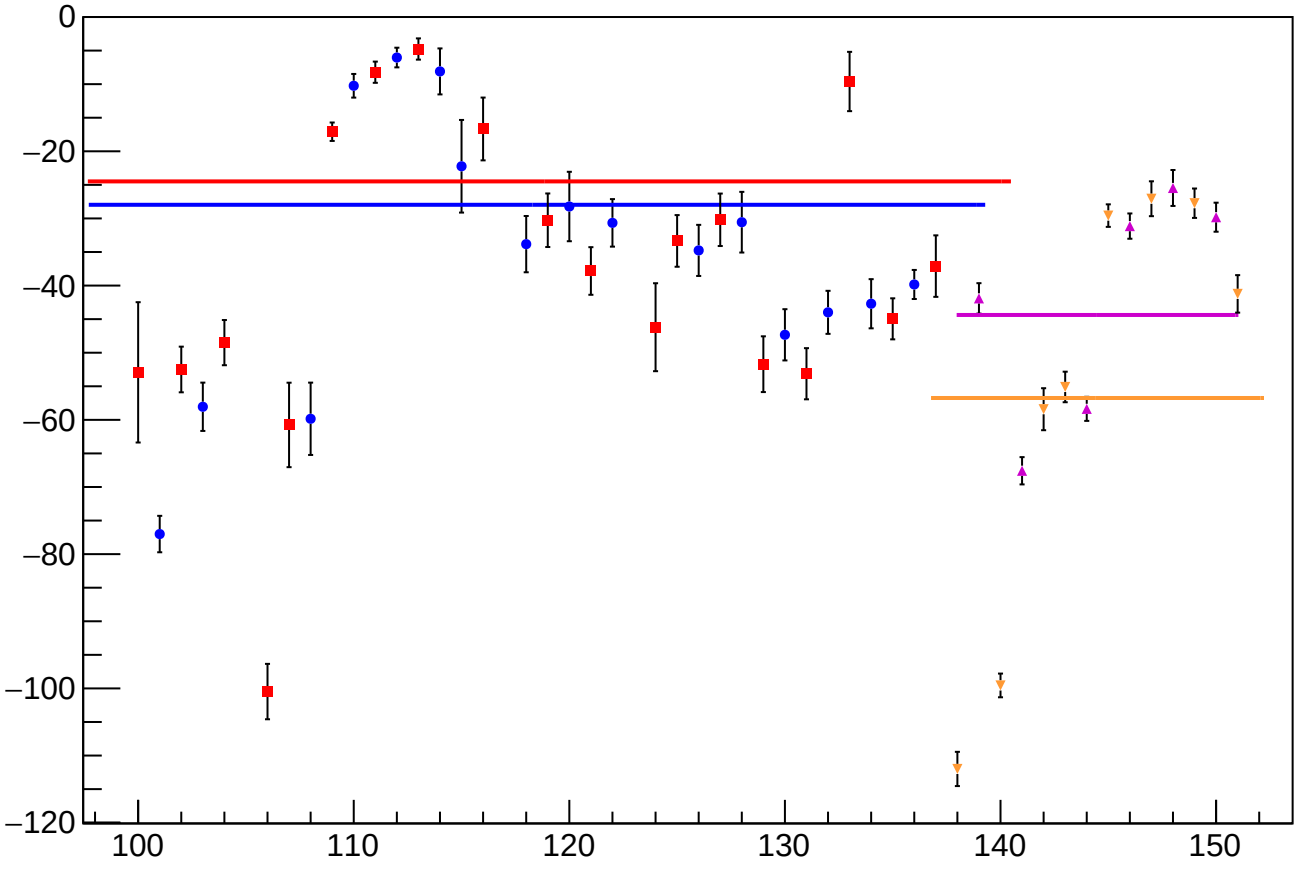
Left In: 0.232+/-0.015 χ^2/NDF:102.2/5

+ sign 0.192+/-0.014 χ^2/NDF: 772.9/23

All: 0.144+/-0.010 χ^2/NDF: 1855.9/48

- sign 0.093+/-0.014 χ^2/NDF: 1057.3/24

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -56.744+/-0.788 χ^2/NDF:1657.1/7

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

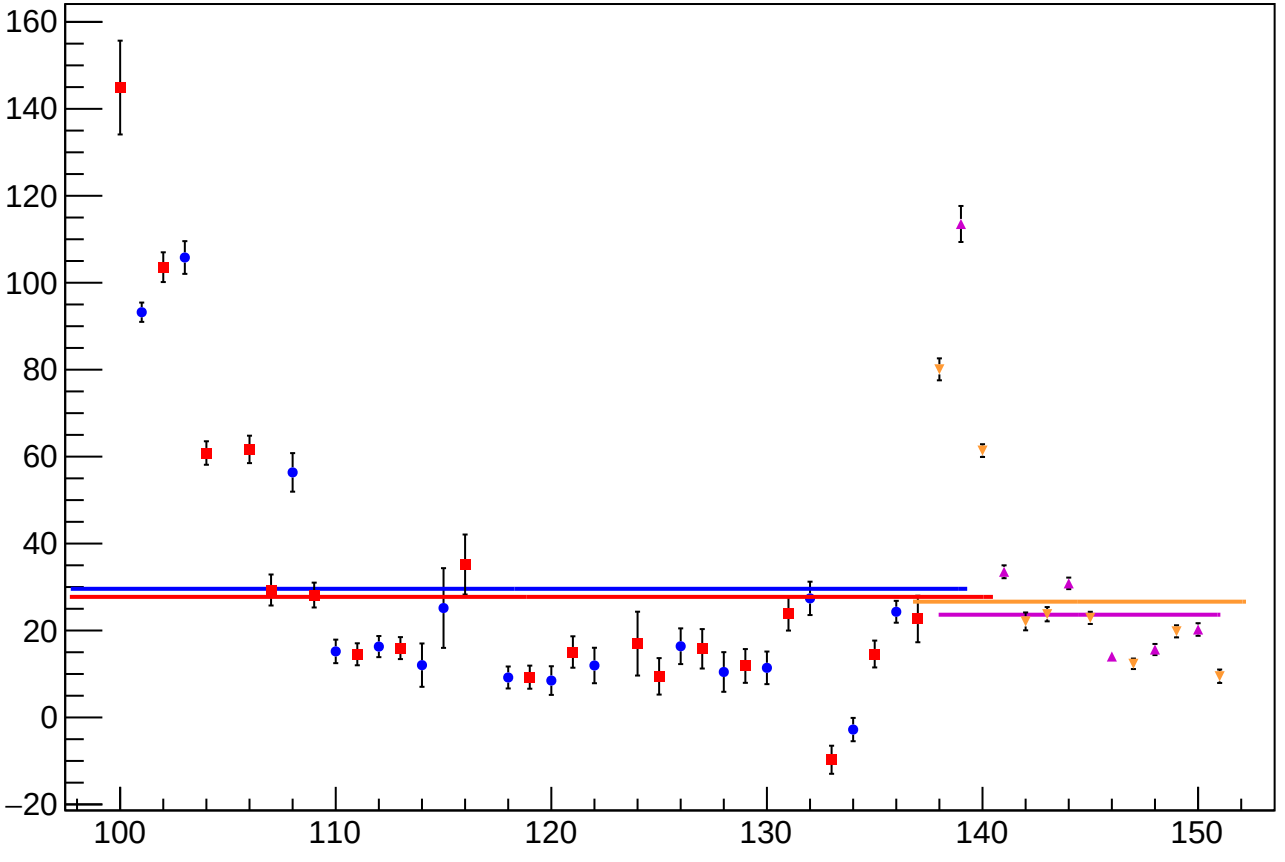
Left In: -44.378+/-0.850 χ^2/NDF:337.2/5

+ sign -41.208+/-0.535 χ^2/NDF: 3271.5/23

All: -36.505+/-0.374 χ^2/NDF: 5090.4/48

- sign -32.008+/-0.523 χ^2/NDF: 1667.5/24

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 26.637+/-0.546 χ^2/NDF:1311.6/7

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

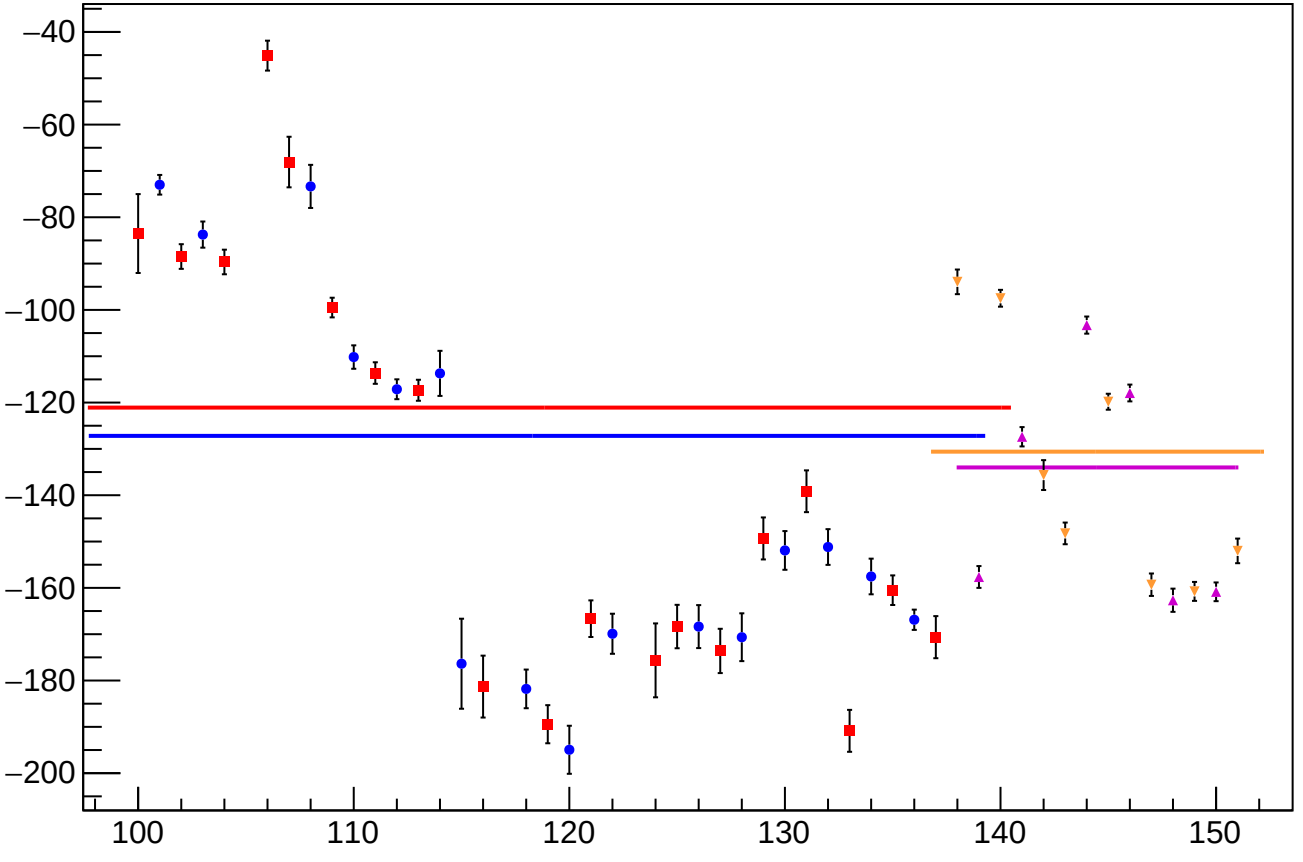
Left In: 23.635+/-0.585 χ^2/NDF:659.5/5

+ sign 27.565+/-0.452 χ^2/NDF: 2986.5/23

All: 26.369+/-0.326 χ^2/NDF: 4862.9/48

- sign 25.069+/-0.471 χ^2/NDF: 1861.8/24

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -130.596+/-0.788 χ^2/NDF:1043.7/7

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

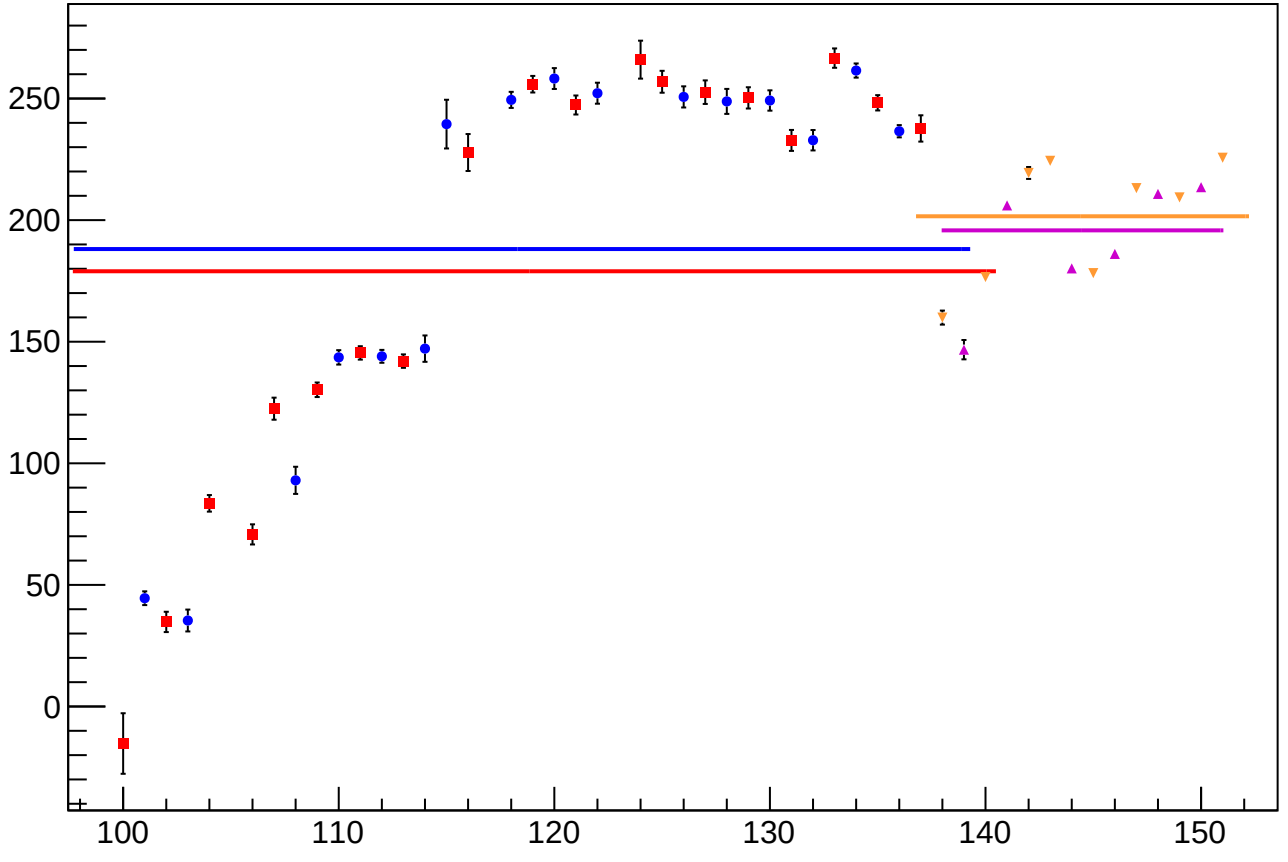
Left In: -134.005+/-0.842 χ^2/NDF:773.5/5

+ sign -128.980+/-0.571 χ^2/NDF: 3230.7/23

All: -128.102+/-0.407 χ^2/NDF: 6530.4/48

- sign -127.201+/-0.579 χ^2/NDF: 3294.9/24

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 201.582+/-0.667 χ^2/NDF:1033.3/7

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

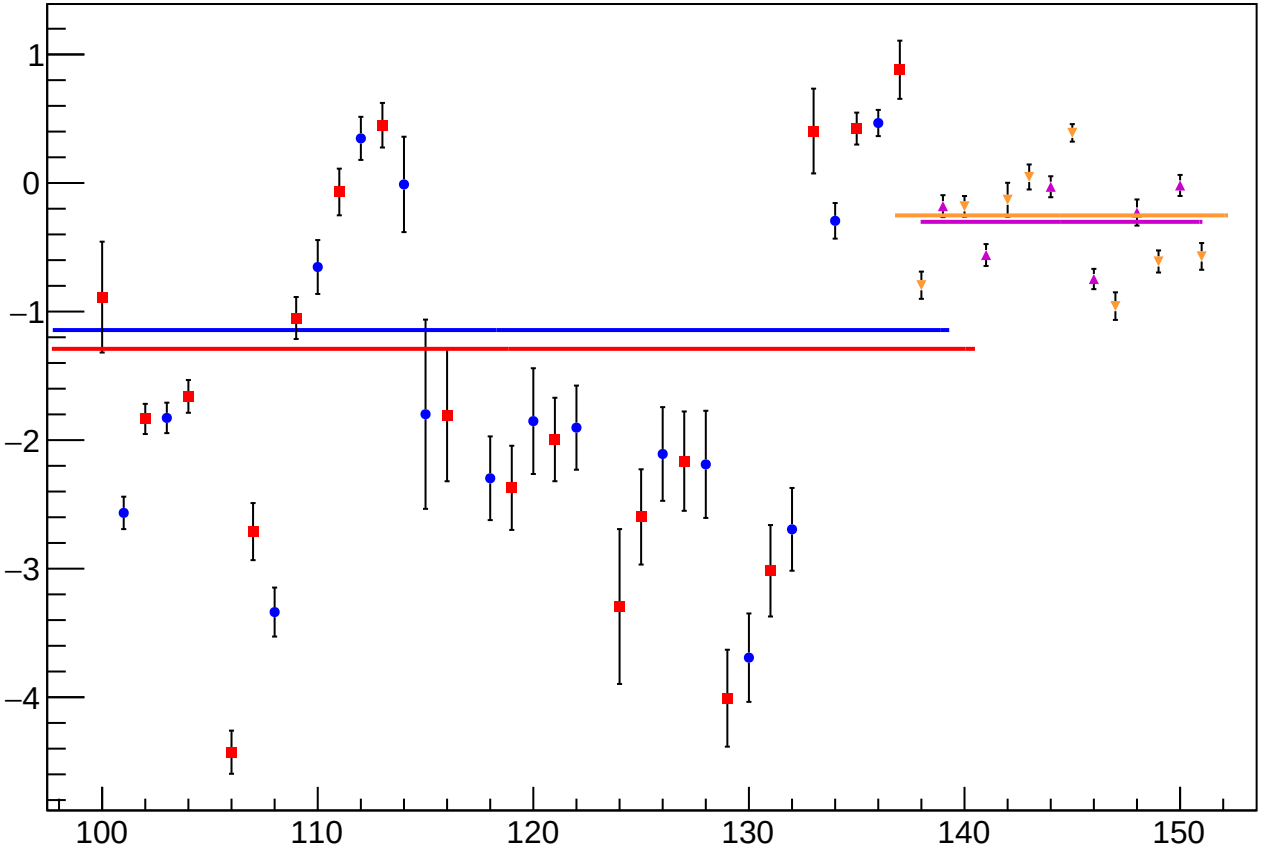
Left In: 195.789+/-0.713 χ^2/NDF:517.6/5

+ sign 196.923+/-0.540 χ^2/NDF: 8292.9/23

All: 193.293+/-0.389 χ^2/NDF: 15785.6/48

- sign 189.379+/-0.561 χ^2/NDF: 7398.7/24

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.252+/-0.033 χ^2/NDF:196.1/7

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

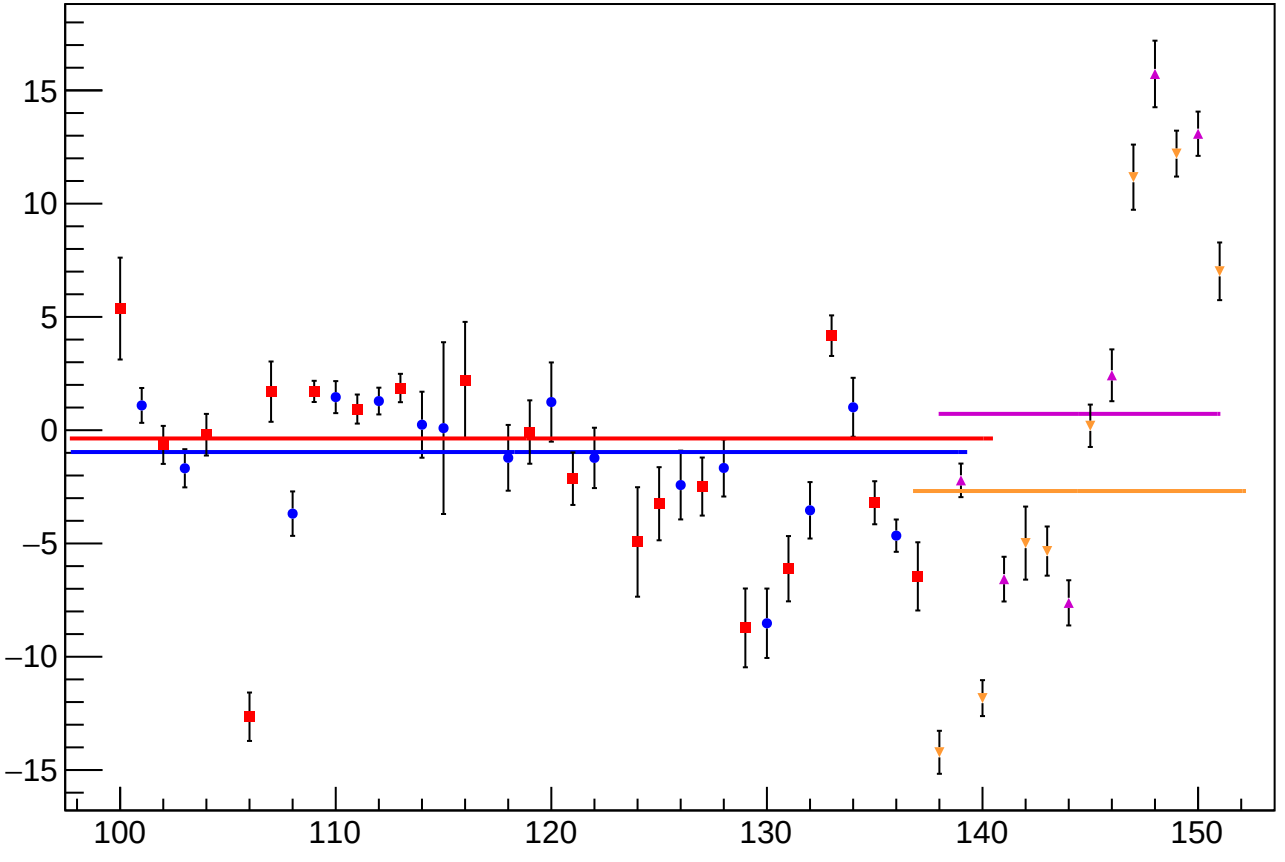
Left In: -0.302+/-0.035 χ^2/NDF:66.7/5

+ sign -0.534+/-0.027 χ^2/NDF: 1219.3/23

All: -0.588+/-0.019 χ^2/NDF: 2575.1/48

- sign -0.646+/-0.028 χ^2/NDF: 1347.6/24

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -2.685+/-0.374 χ^2/NDF:664.8/7

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

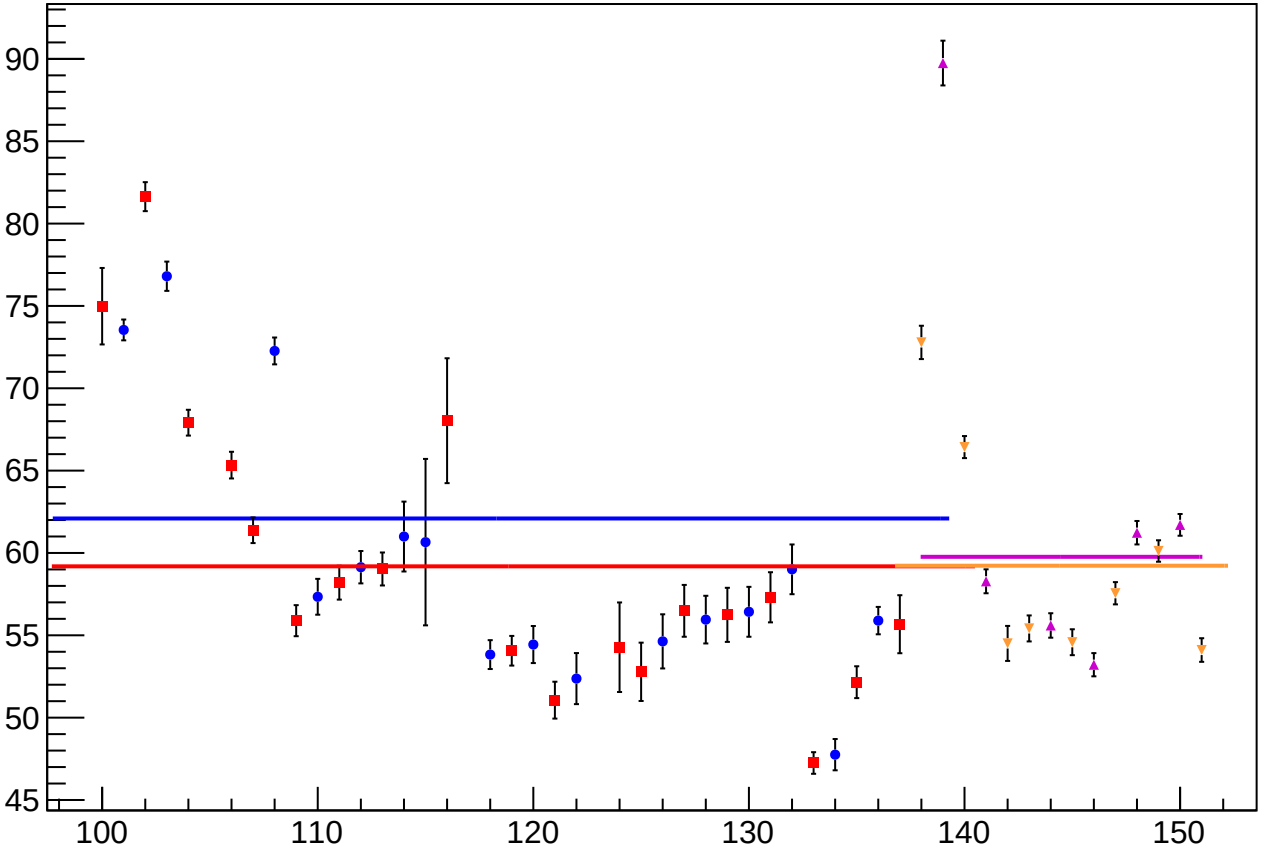
Left In: 0.721+/-0.404 χ^2/NDF:407.1/5

+ sign -1.505+/-0.210 χ^2/NDF: 782.5/23

All: -0.760+/-0.143 χ^2/NDF: 1499.3/48

- sign -0.110+/-0.196 χ^2/NDF: 693.2/24

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 59.225+/-0.269 χ^2/NDF:432.1/7

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

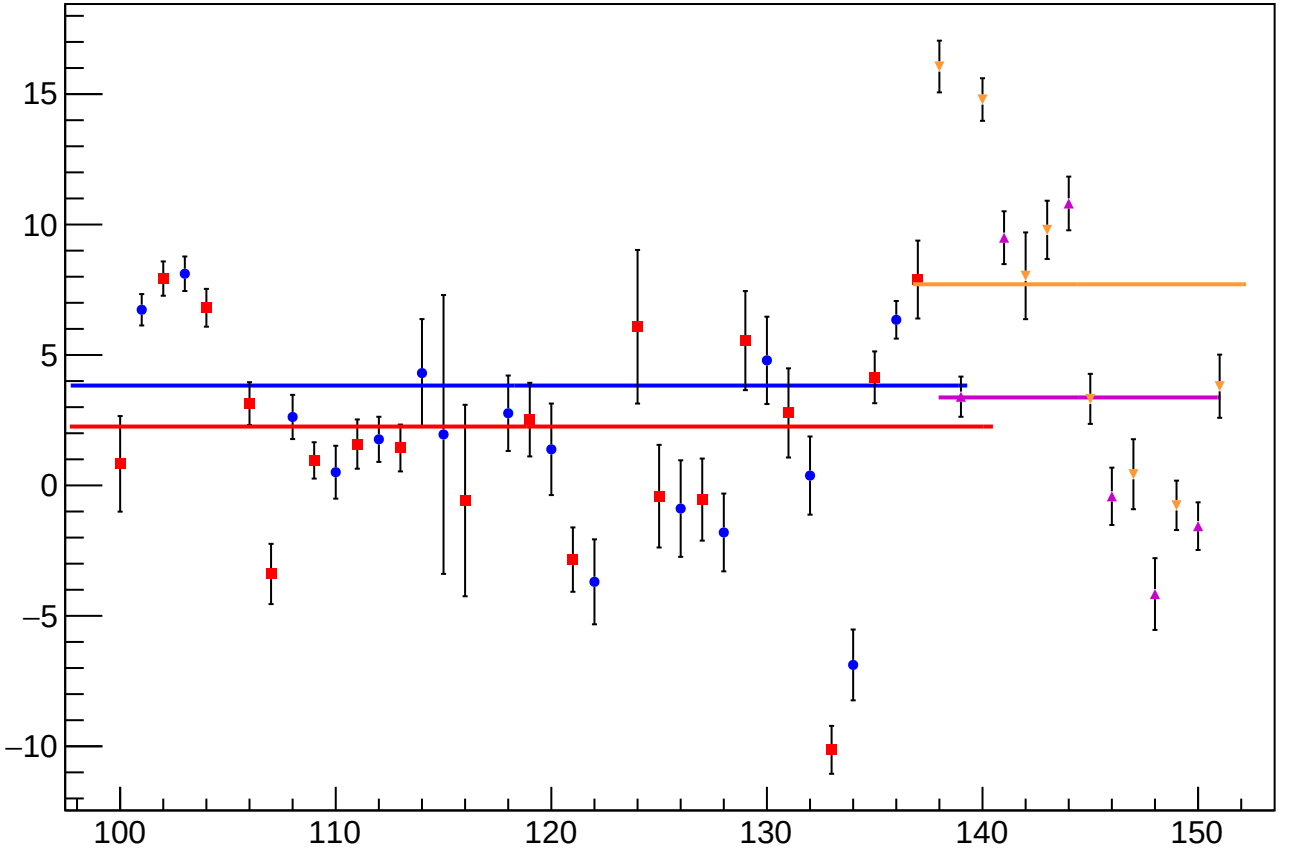
Left In: 59.766+/-0.308 χ^2/NDF:621.7/5

+ sign 60.679+/-0.189 χ^2/NDF: 1791.0/23

All: 60.052+/-0.134 χ^2/NDF: 3839.3/48

- sign 59.410+/-0.191 χ^2/NDF: 2026.0/24

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 3.828+/-0.265 χ^2/NDF: 208.6/15

Left Out: 7.710+/-0.375 χ^2/NDF:290.7/7

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

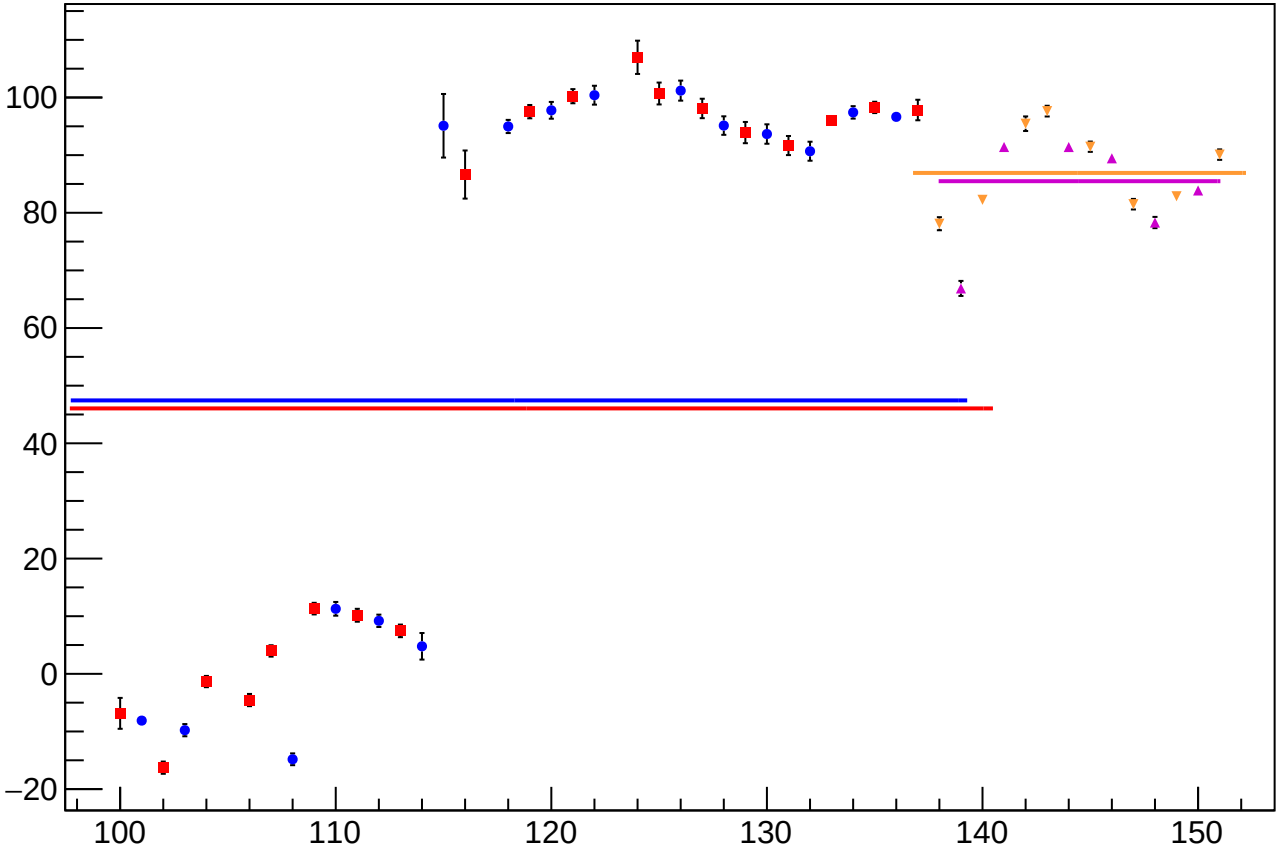
Left In: 3.372+/-0.403 χ^2/NDF:160.0/5

\+ sign 5.124+/-0.217 χ^2/NDF: 570.8/23

All: 3.805+/-0.151 χ^2/NDF: 1180.5/48

\- sign 2.561+/-0.210 χ^2/NDF: 537.5/24

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 86.913+/-0.326 χ^2/NDF:372.3/7

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

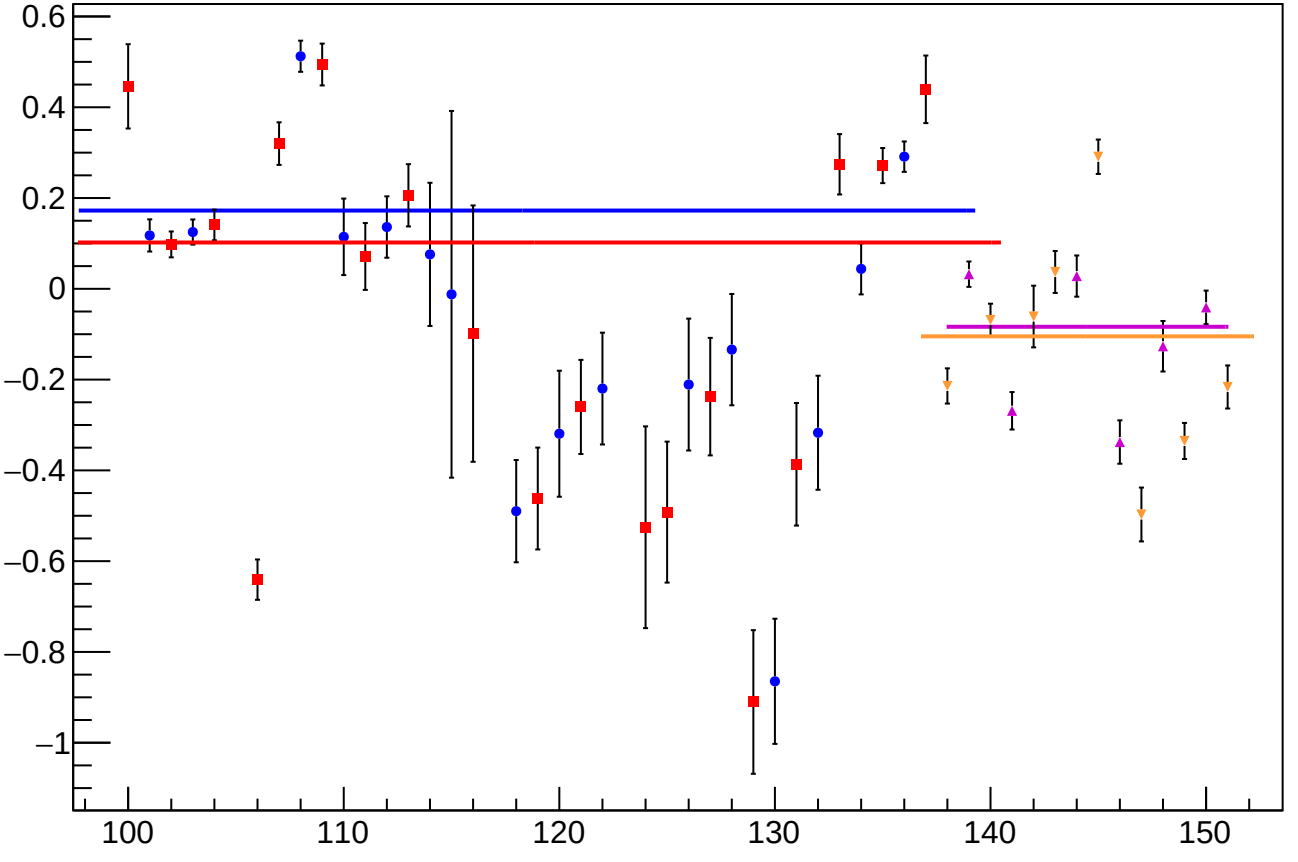
Left In: 85.479+/-0.368 χ^2/NDF:376.7/5

+ sign 66.058+/-0.224 χ^2/NDF: 35001.5/23

All: 63.433+/-0.159 χ^2/NDF: 71729.1/48

- sign 60.780+/-0.225 χ^2/NDF: 36451.2/24

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.105+/-0.015 χ^2/NDF:210.9/7

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

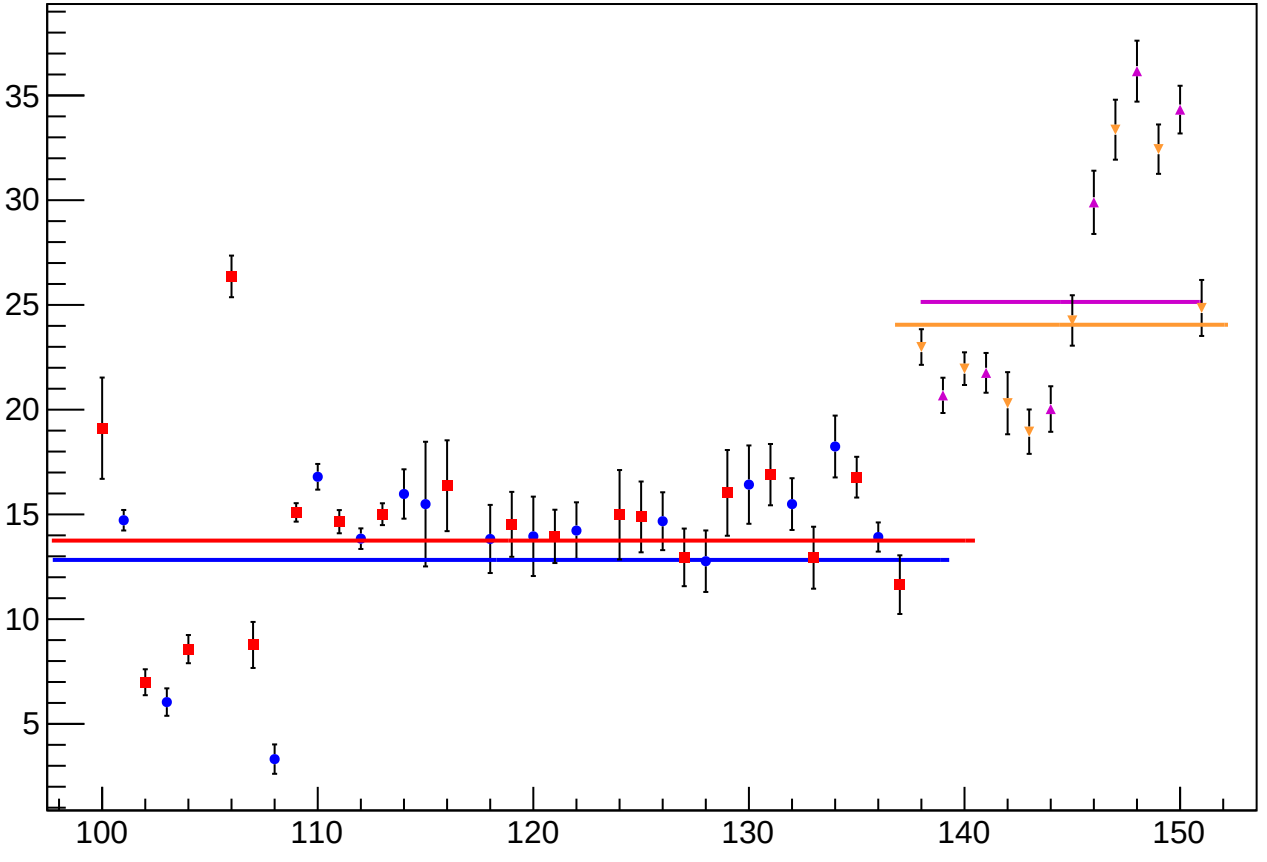
Left In: -0.084+/-0.016 χ^2/NDF:73.5/5

+ sign 0.046+/-0.010 χ^2/NDF: 650.7/23

All: 0.036+/-0.007 χ^2/NDF: 1363.0/48

- sign 0.026+/-0.010 χ^2/NDF: 710.4/24

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 24.054+/-0.383 χ^2/NDF:131.7/7

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

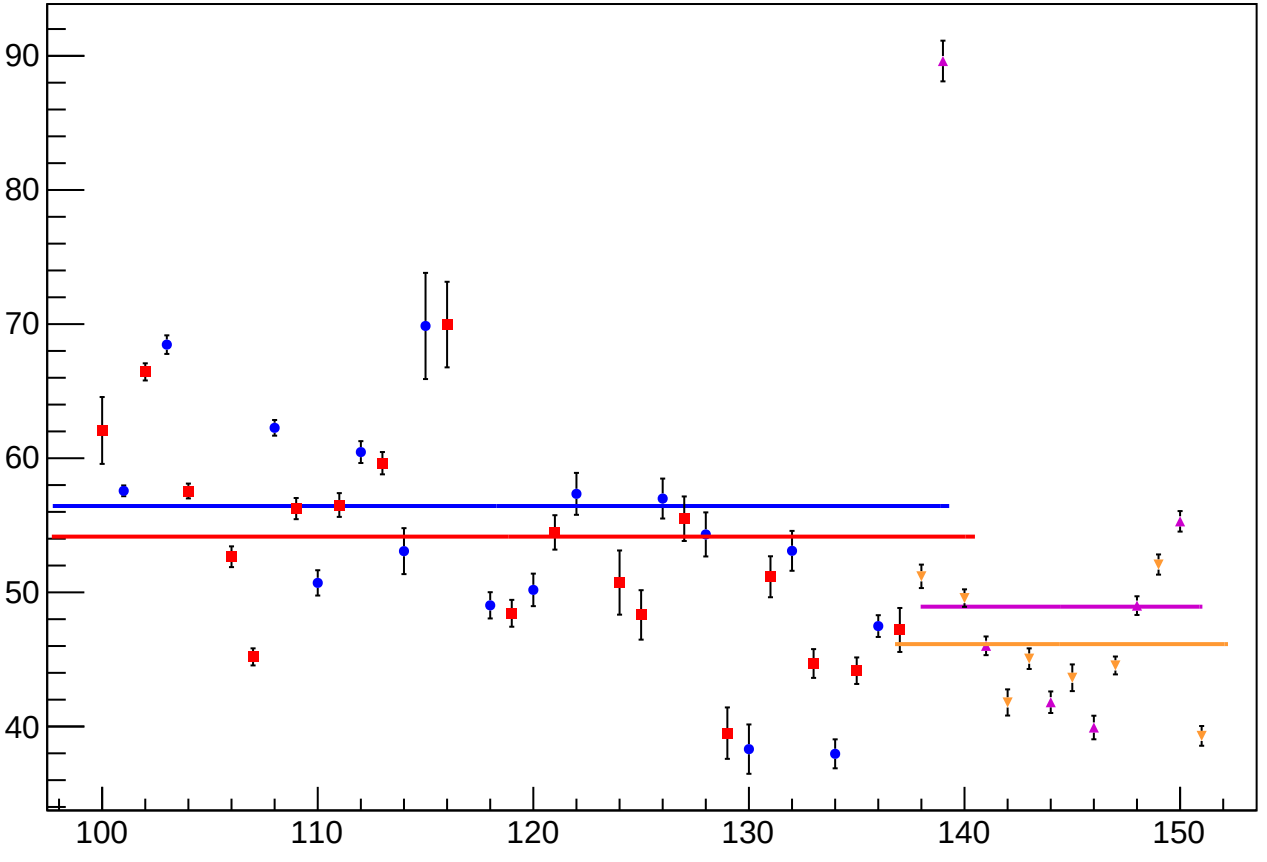
Left In: 25.142+/-0.445 χ^2/NDF:195.2/5

+ sign 15.503+/-0.187 χ^2/NDF: 1175.4/23

All: 15.618+/-0.132 χ^2/NDF: 2316.7/48

- sign 15.730+/-0.186 χ^2/NDF: 1140.5/24

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 46.142+/-0.274 χ^2/NDF:243.4/7

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

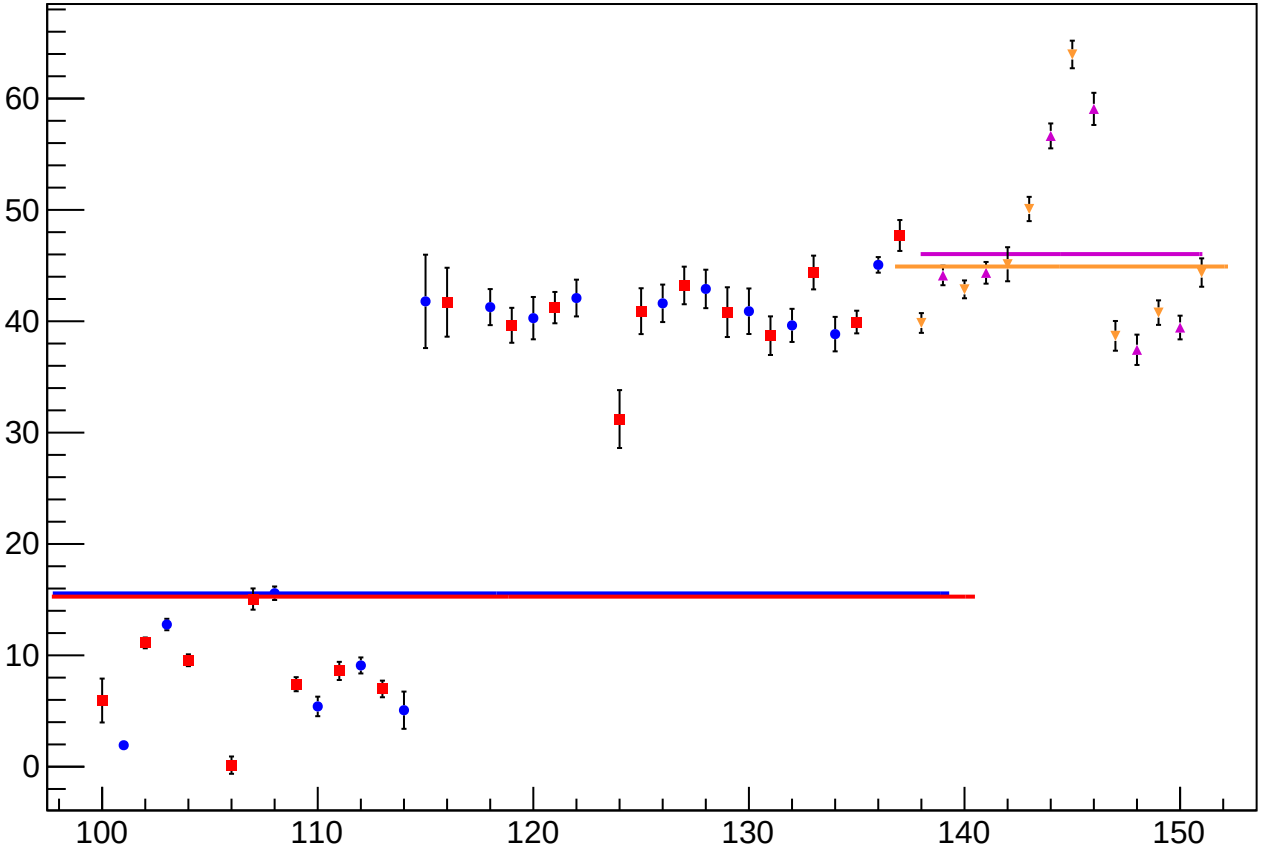
Left In: 48.933+/-0.331 χ^2/NDF:989.4/5

+ sign 52.370+/-0.173 χ^2/NDF: 2182.7/23

All: 52.436+/-0.126 χ^2/NDF: 4349.4/48

- sign 52.513+/-0.186 χ^2/NDF: 2166.3/24

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 44.916+/-0.385 χ^2/NDF:334.1/7

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

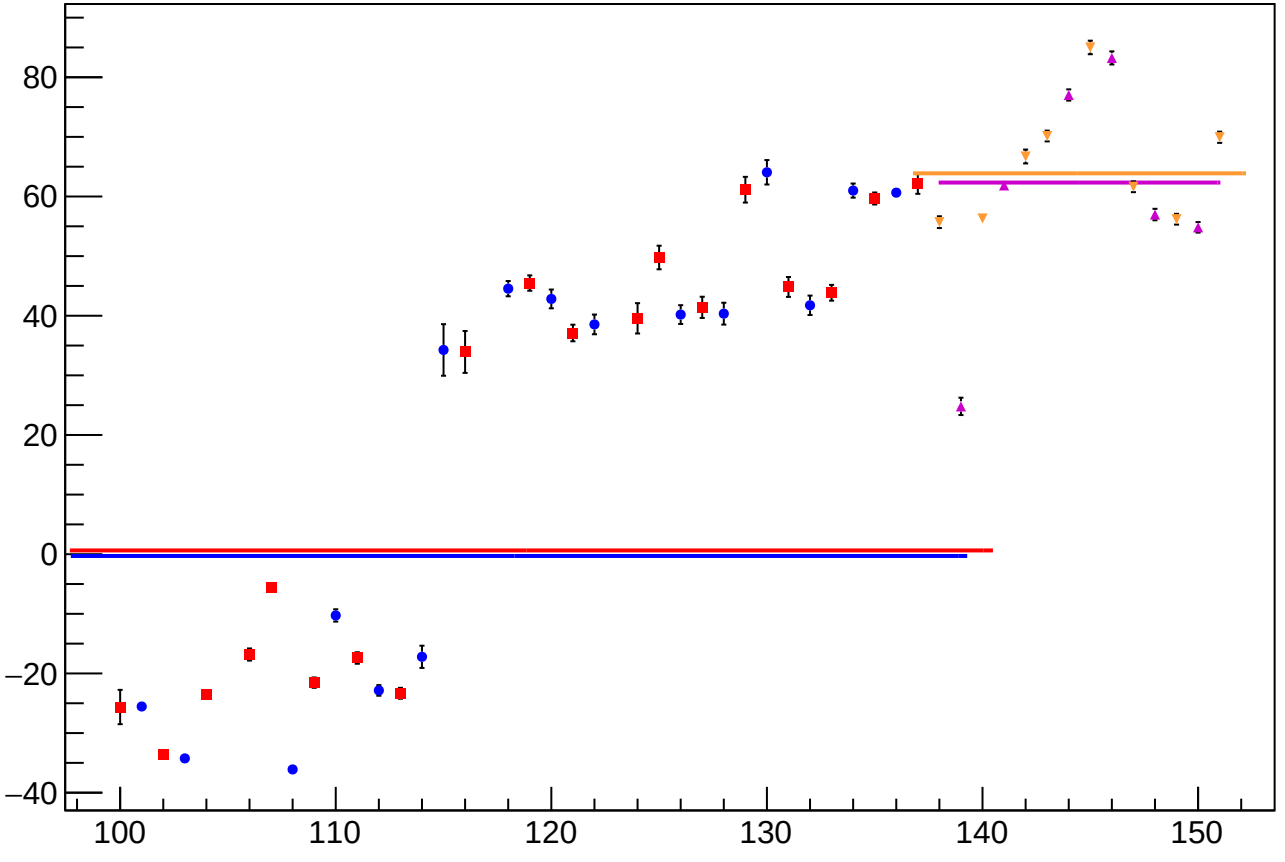
Left In: 46.032+/-0.445 χ^2/NDF:257.4/5

+ sign 22.489+/-0.187 χ^2/NDF: 9951.5/23

All: 21.914+/-0.136 χ^2/NDF: 17949.8/48

- sign 21.279+/-0.197 χ^2/NDF: 7978.4/24

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 63.887+/-0.334 χ^2/NDF:680.6/7

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

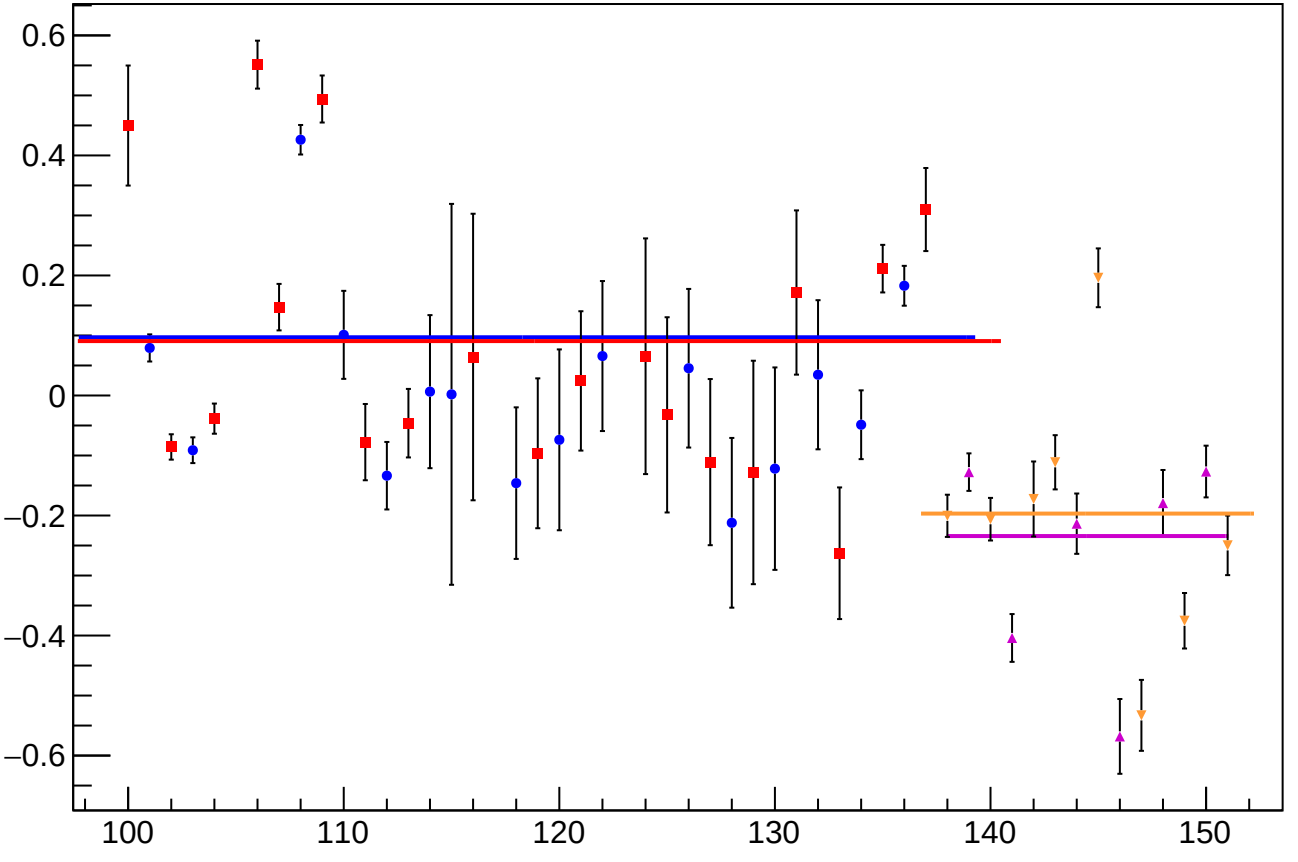
Left In: 62.339+/-0.400 χ^2/NDF:1374.0/5

+ sign 24.042+/-0.206 χ^2/NDF: 44573.0/23

All: 21.832+/-0.150 χ^2/NDF: 78803.6/48

- sign 19.306+/-0.220 χ^2/NDF: 33983.8/24

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.197+/-0.016 χ^2/NDF:116.5/7

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

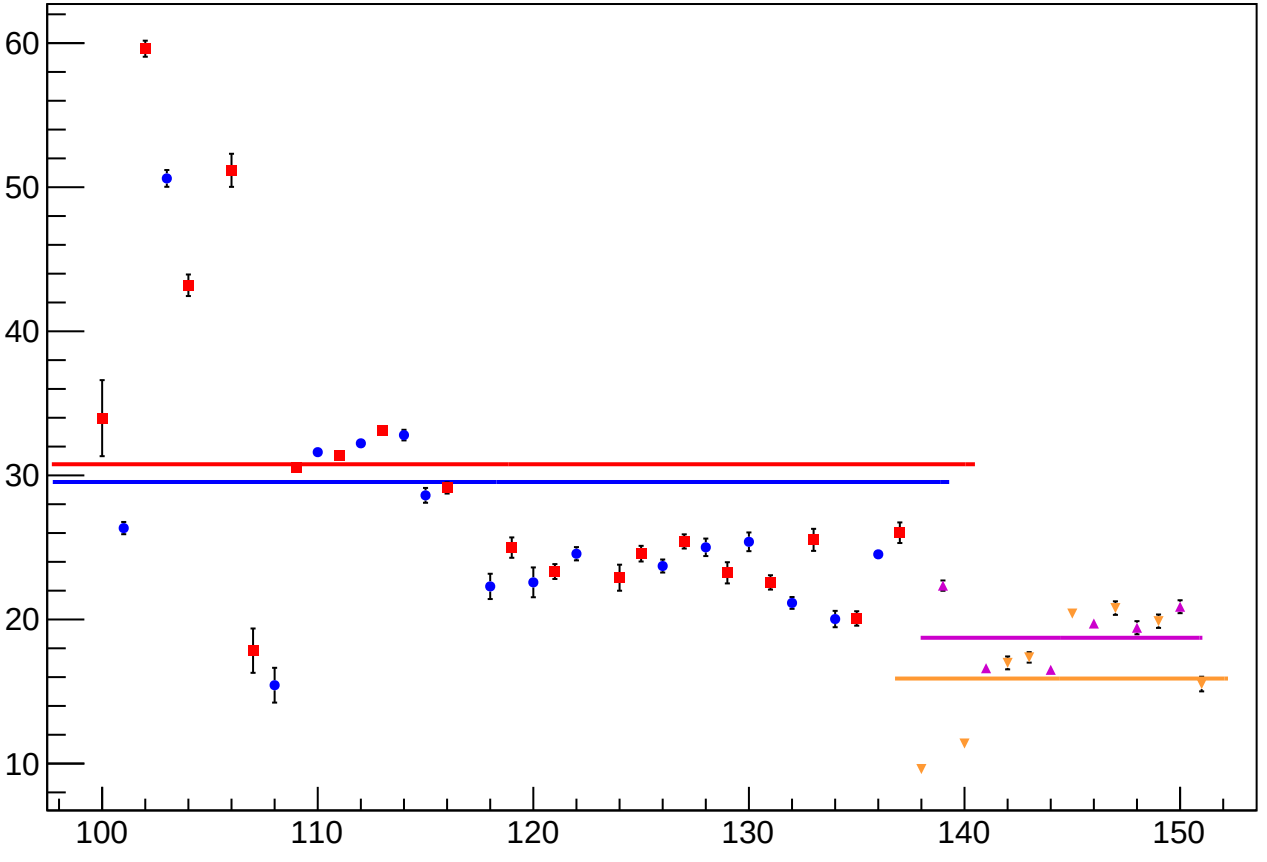
Left In: -0.234+/-0.018 χ^2/NDF:65.9/5

+ sign -0.000+/-0.009 χ^2/NDF: 642.4/23

All: -0.002+/-0.007 χ^2/NDF: 1345.1/48

- sign -0.004+/-0.010 χ^2/NDF: 702.6/24

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 15.902+/-0.128 χ^2/NDF:1108.0/7

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

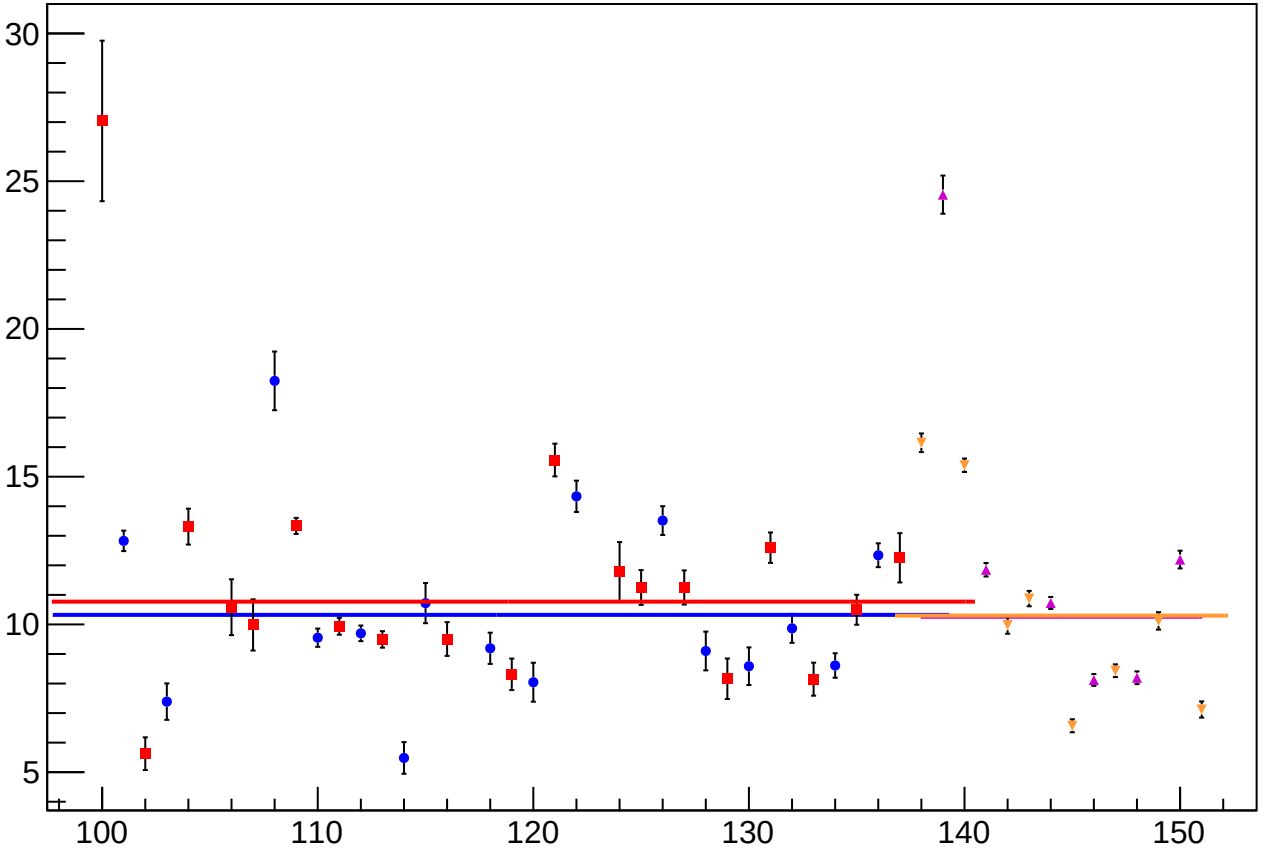
Left In: 18.730+/-0.143 χ^2/NDF:246.4/5

+ sign 24.881+/-0.075 χ^2/NDF: 11998.6/23

All: 26.480+/-0.051 χ^2/NDF: 23606.7/48

- sign 27.882+/-0.070 χ^2/NDF: 10746.0/24

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.324+/-0.114 χ^2/NDF: 402.6/15

Left Out: 10.299+/-0.090 χ^2/NDF:1340.8/7

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

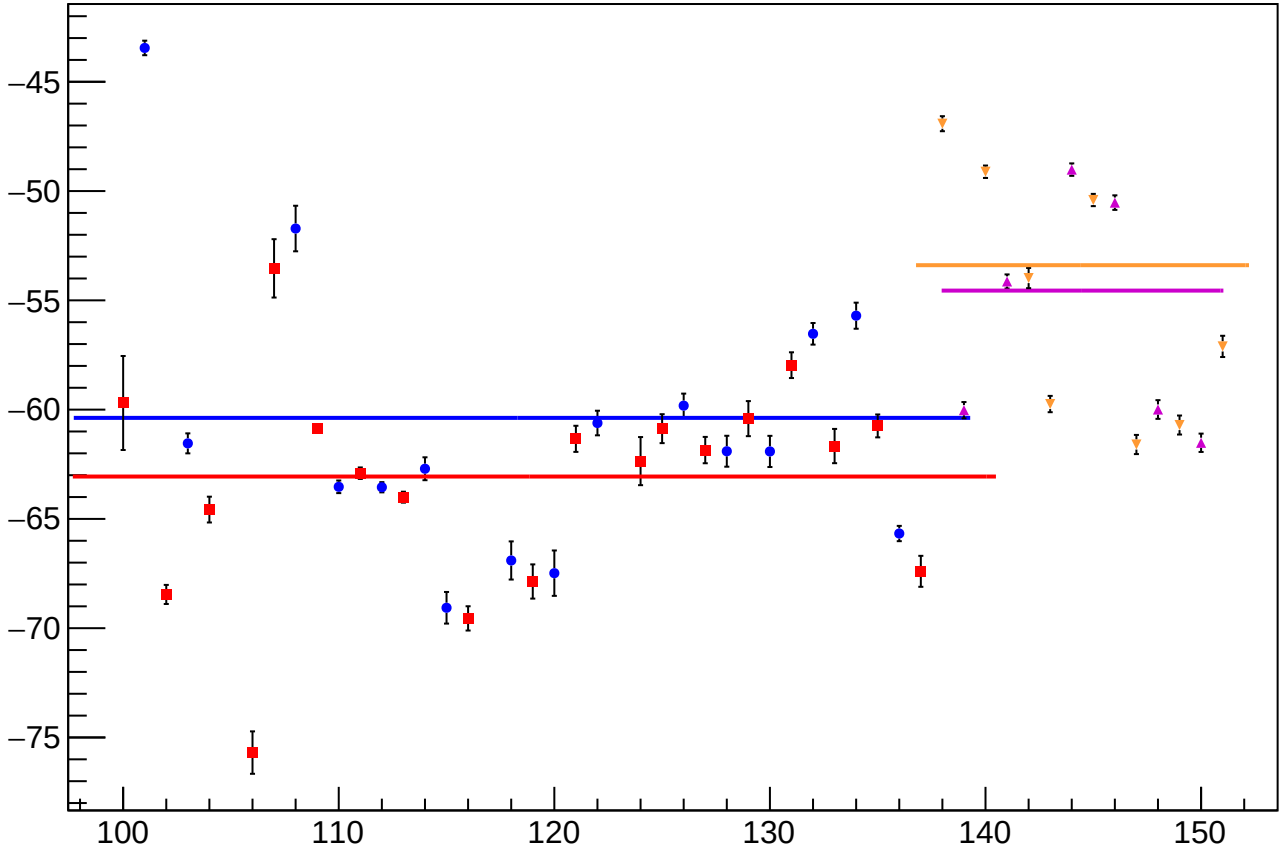
Left In: 10.259+/-0.098 χ^2/NDF:790.7/5

+ sign 10.309+/-0.071 χ^2/NDF: 1743.5/23

All: 10.391+/-0.051 χ^2/NDF: 2964.4/48

- sign 10.480+/-0.074 χ^2/NDF: 1218.2/24

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -60.377+/-0.113 χ^2/NDF: 3597.6/15

Left Out: -53.392+/-0.129 χ^2/NDF:1675.5/7

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

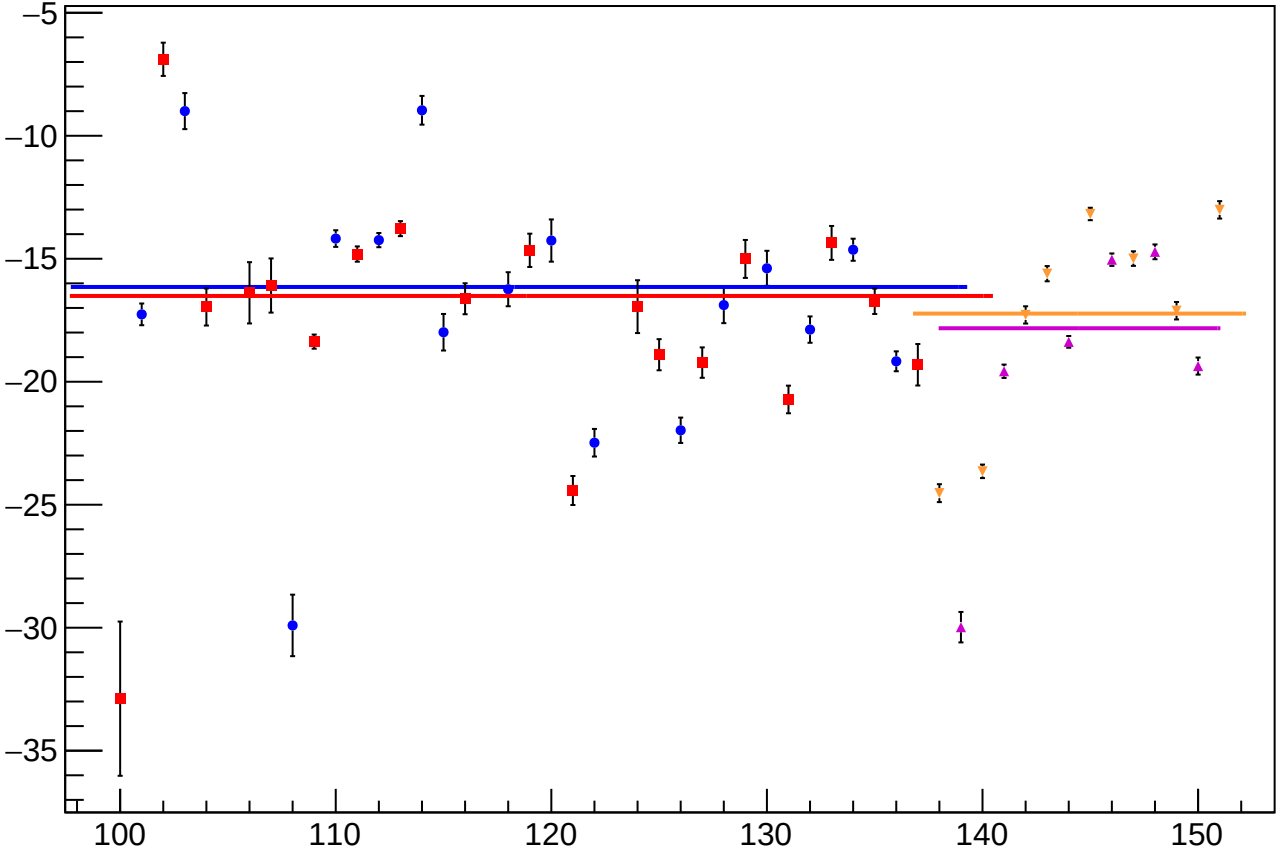
Left In: -54.554+/-0.142 χ^2/NDF:1179.8/5

+ sign -57.344+/-0.085 χ^2/NDF: 6932.2/23

All: -58.652+/-0.060 χ^2/NDF: 11712.2/48

- sign -59.979+/-0.086 χ^2/NDF: 4303.1/24

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -17.230+/-0.110 χ^2/NDF:1428.5/7

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

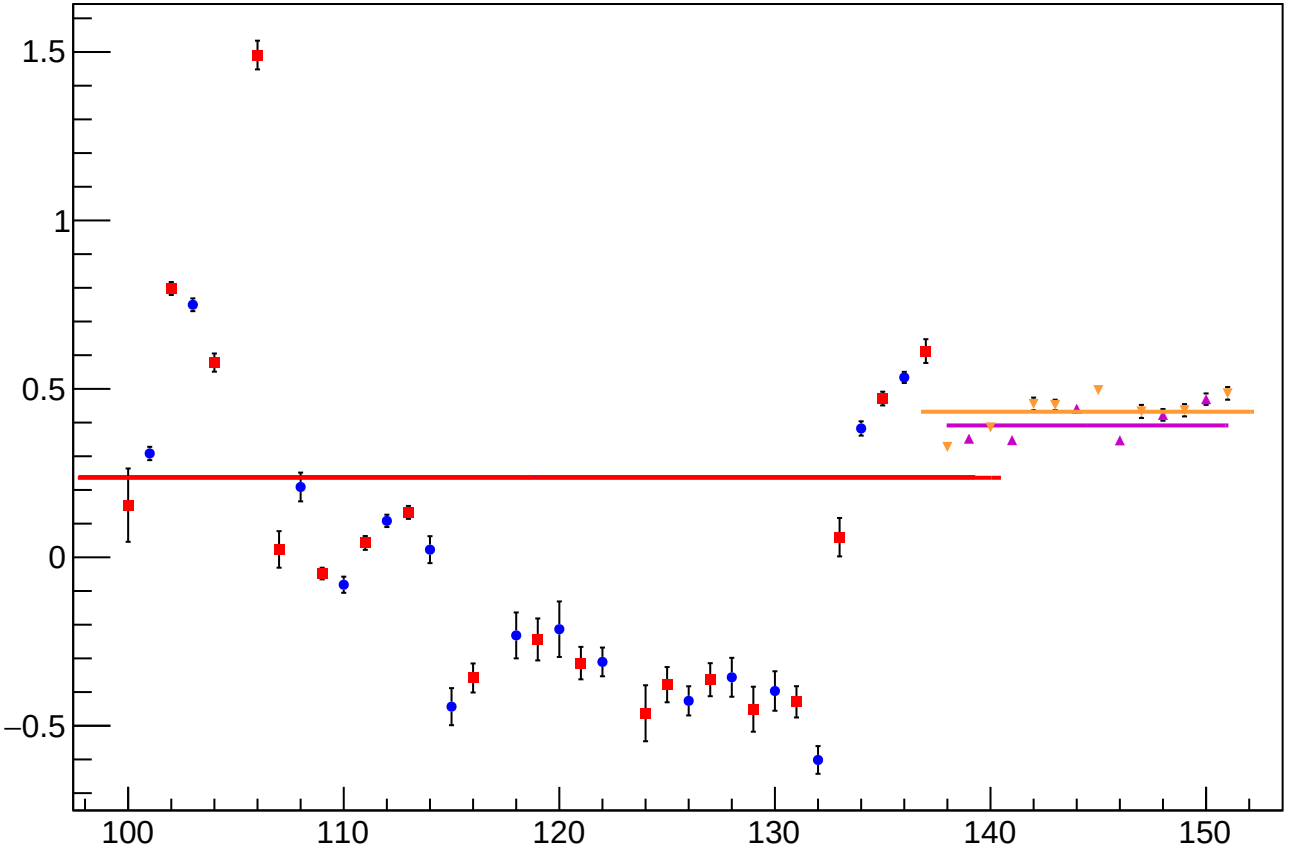
Left In: -17.826+/-0.121 χ^2/NDF:679.2/5

+ sign -16.765+/-0.083 χ^2/NDF: 2267.0/23

All: -16.969+/-0.060 χ^2/NDF: 3700.6/48

- sign -17.190+/-0.087 χ^2/NDF: 1421.2/24

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.432+/-0.005 χ^2/NDF:115.1/7

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

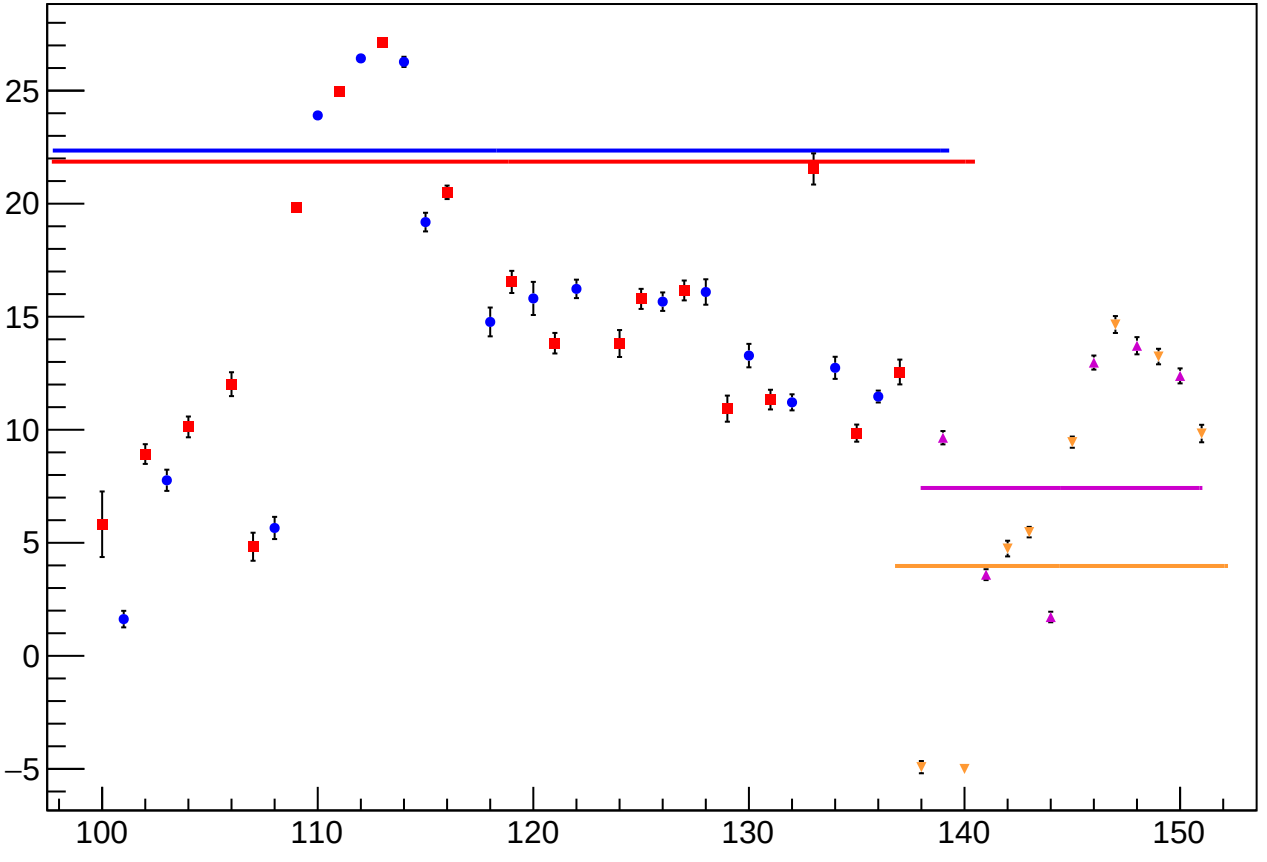
Left In: 0.392+/-0.006 χ^2/NDF:68.8/5

+ sign 0.361+/-0.004 χ^2/NDF: 3229.1/23

All: 0.346+/-0.003 χ^2/NDF: 7206.1/48

- sign 0.329+/-0.005 χ^2/NDF: 3949.6/24

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: 3.975+/-0.100 χ^2/NDF:5143.8/7

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

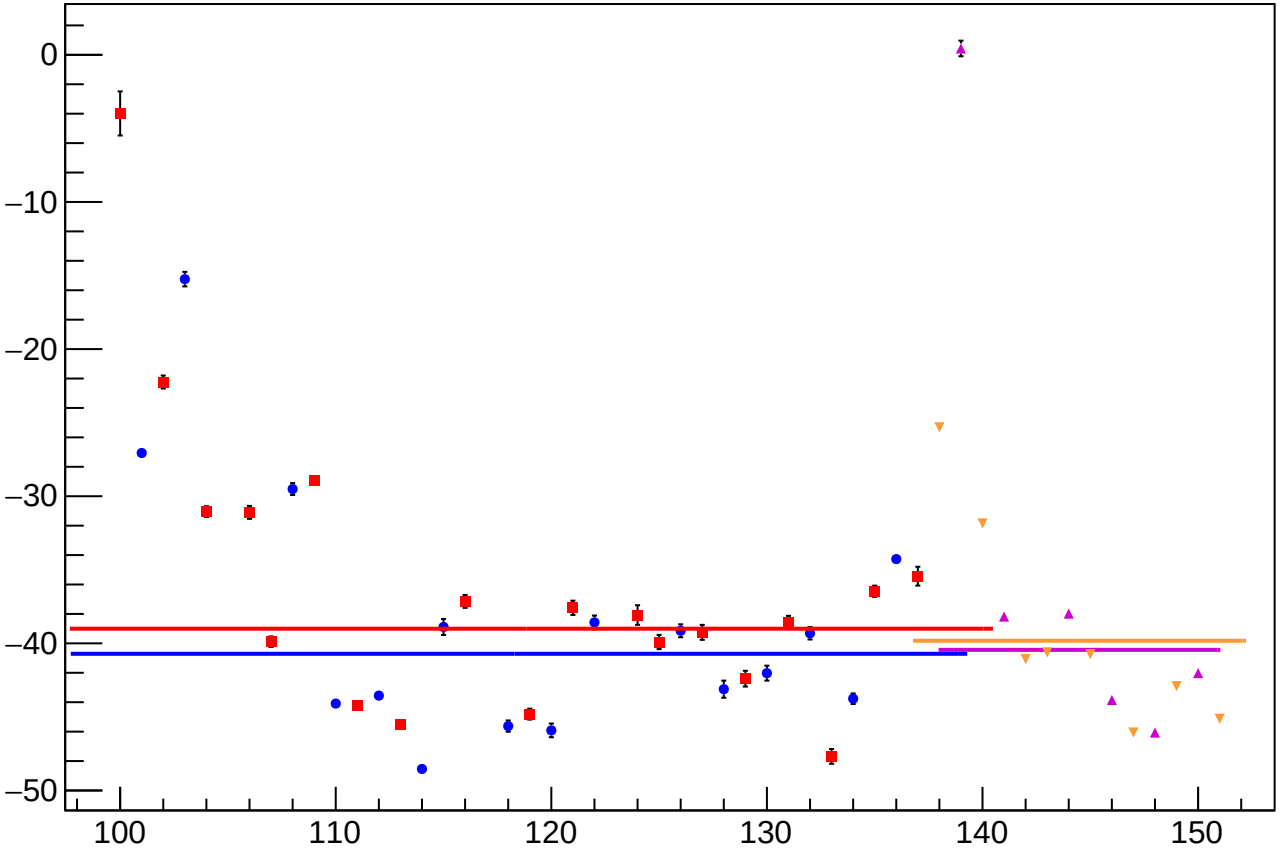
Left In: 7.425+/-0.117 χ^2/NDF:1723.7/5

+ sign 17.867+/-0.049 χ^2/NDF: 43235.9/23

All: 19.017+/-0.032 χ^2/NDF: 69839.7/48

- sign 19.897+/-0.043 χ^2/NDF: 25639.1/24

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -40.709+/-0.076 χ^2/NDF: 7780.4/15

Left Out: -39.824+/-0.070 χ^2/NDF:7308.5/7

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

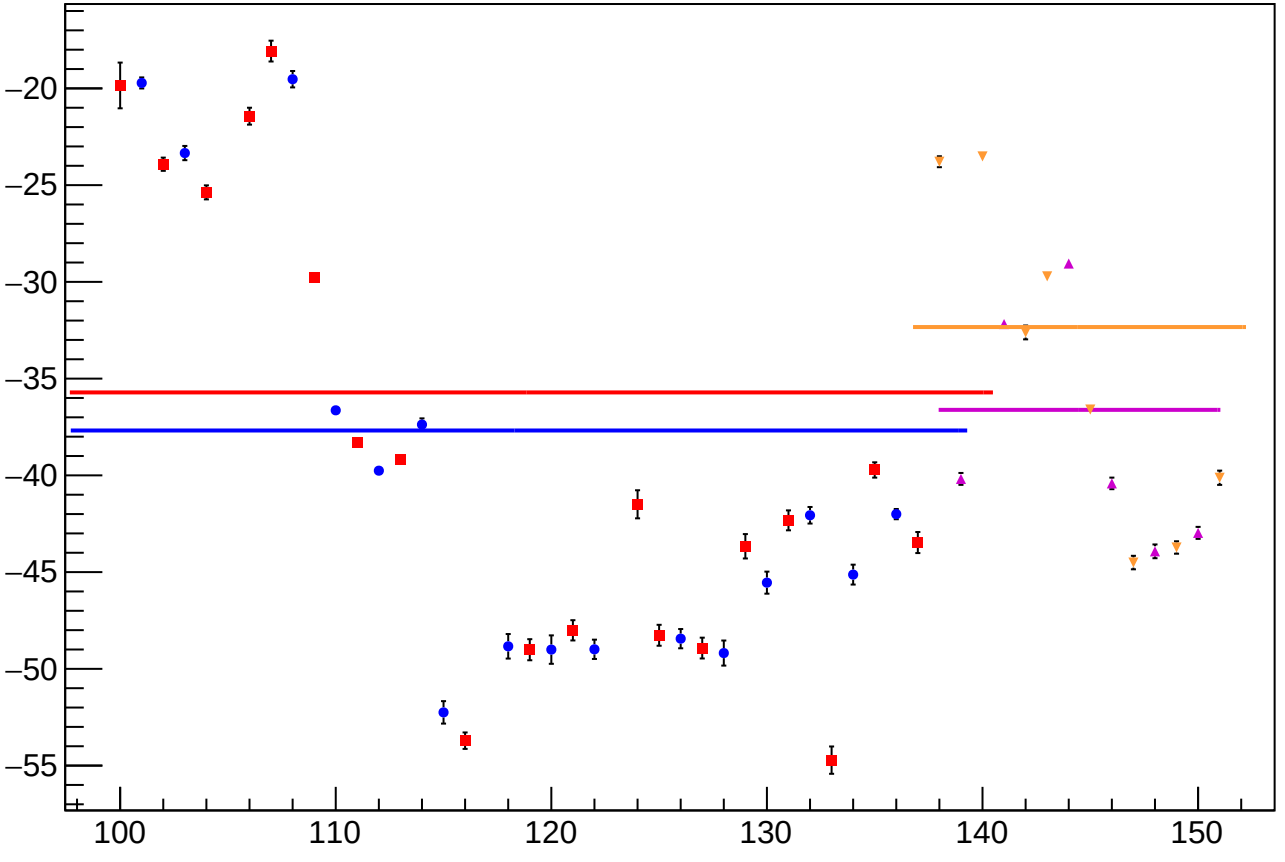
Left In: -40.442+/-0.082 χ^2/NDF:7650.1/5

+ sign -40.229+/-0.052 χ^2/NDF: 15161.4/23

All: -39.937+/-0.037 χ^2/NDF: 33155.0/48

- sign -39.623+/-0.054 χ^2/NDF: 17927.4/24

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

Left Out: -32.335+/-0.100 χ^2/NDF:5839.3/7

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

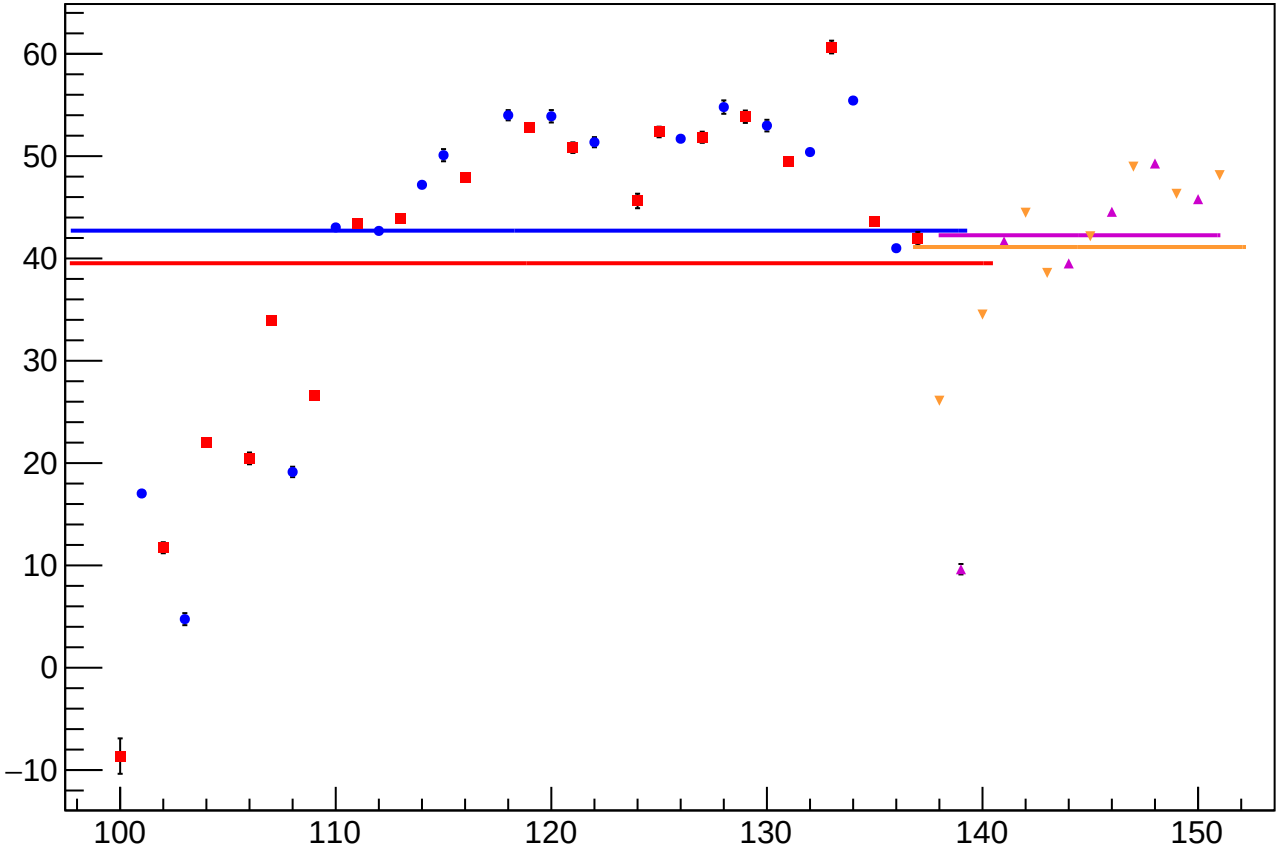
Left In: -36.614+/-0.116 χ^2/NDF:2451.7/5

+ sign -35.809+/-0.059 χ^2/NDF: 18533.8/23

All: -35.870+/-0.041 χ^2/NDF: 34307.8/48

- sign -35.924+/-0.056 χ^2/NDF: 15772.1/24

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 41.119+/-0.086 χ^2/NDF:5949.2/7

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

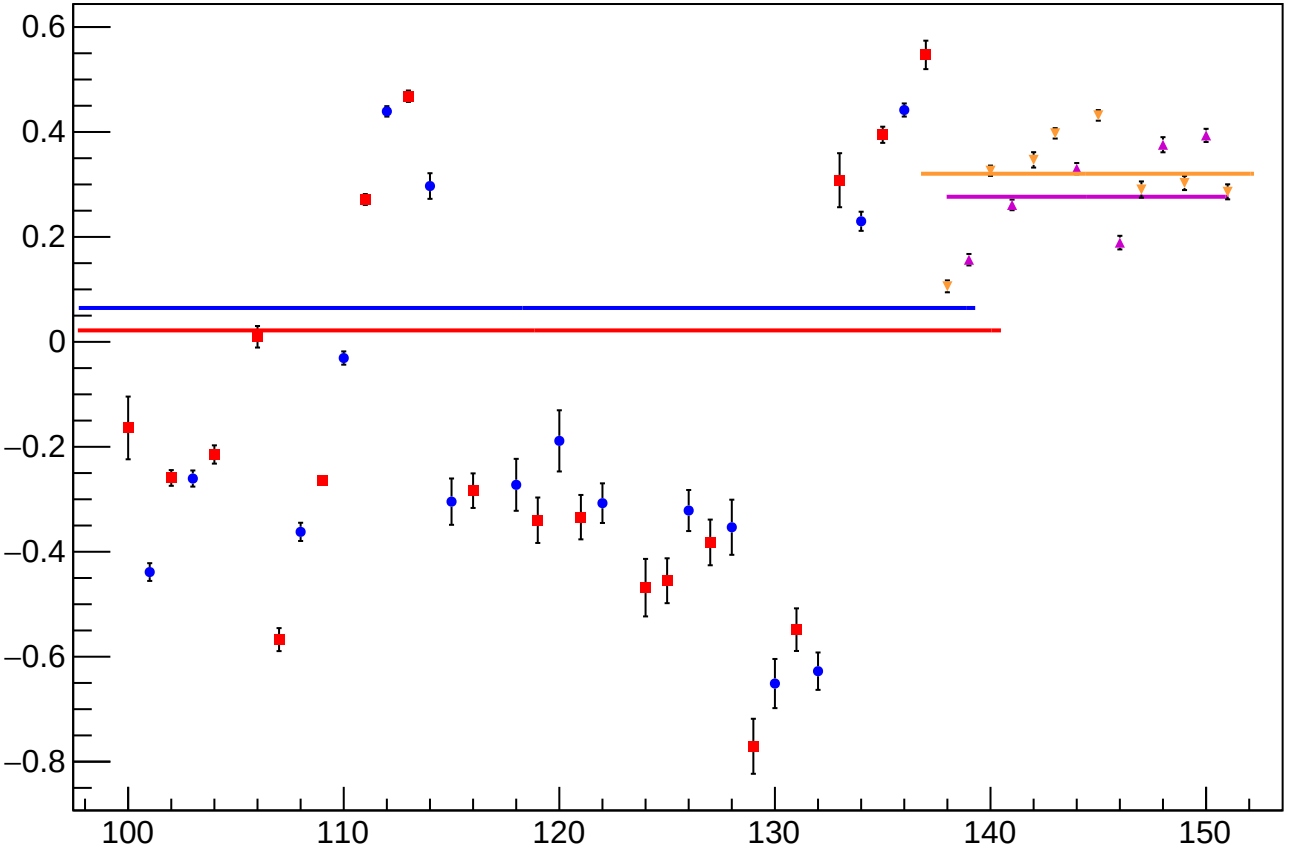
Left In: 42.268+/-0.100 χ^2/NDF:5374.0/5

\+ sign 41.924+/-0.060 χ^2/NDF: 20889.6/23

All: 41.263+/-0.043 χ^2/NDF: 44953.4/48

\- sign 40.577+/-0.061 χ^2/NDF: 23819.2/24

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.320+/-0.004 χ^2/NDF:552.2/7

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

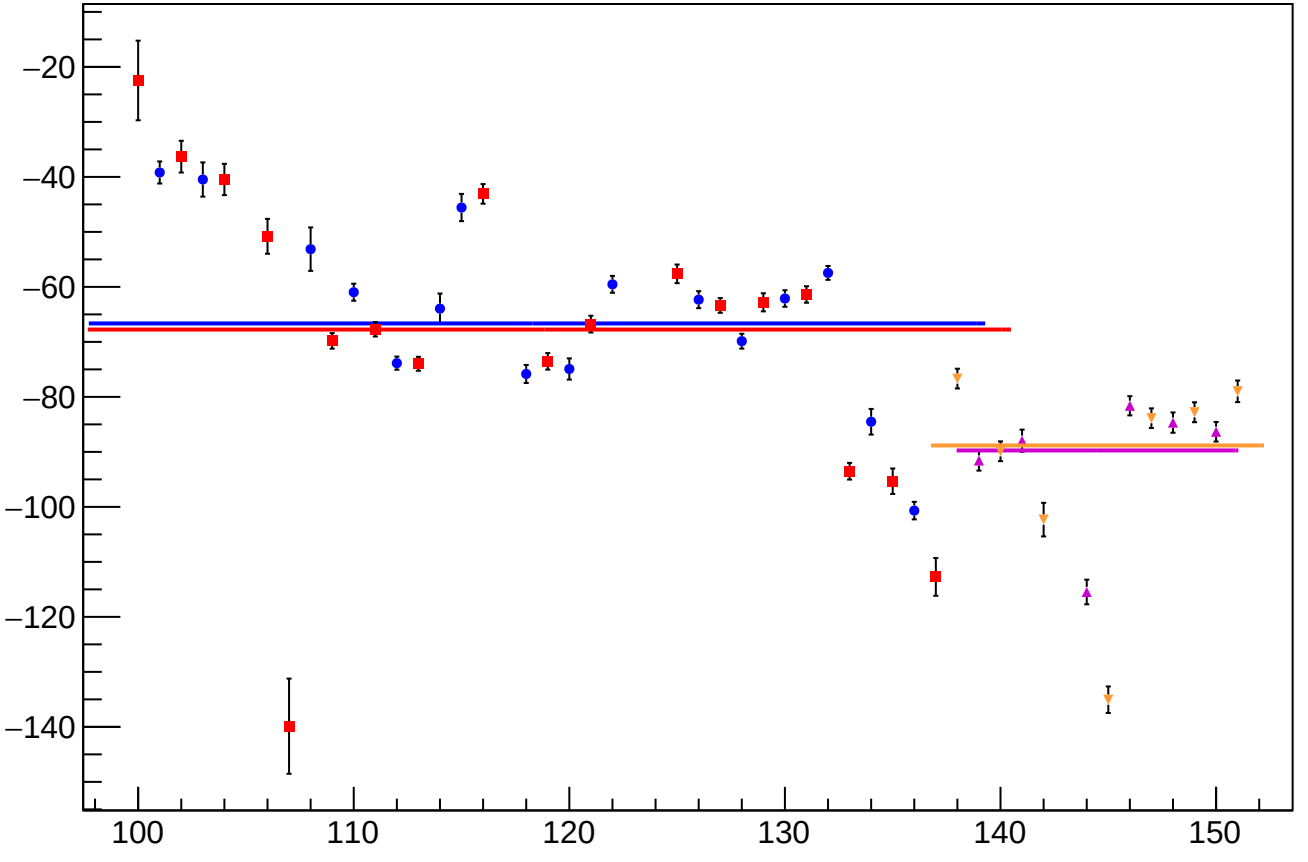
Left In: 0.277+/-0.005 χ^2/NDF:326.5/5

+ sign 0.211+/-0.003 χ^2/NDF: 7650.5/23

All: 0.176+/-0.002 χ^2/NDF: 16185.4/48

- sign 0.138+/-0.003 χ^2/NDF: 8275.6/24

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -66.648+/-0.426 χ^2/NDF: 1052.4/15

Left Out: -88.830+/-0.750 χ^2/NDF:477.3/6

Right Out: -67.755+/-0.419 χ^2/NDF: 1255.4/17

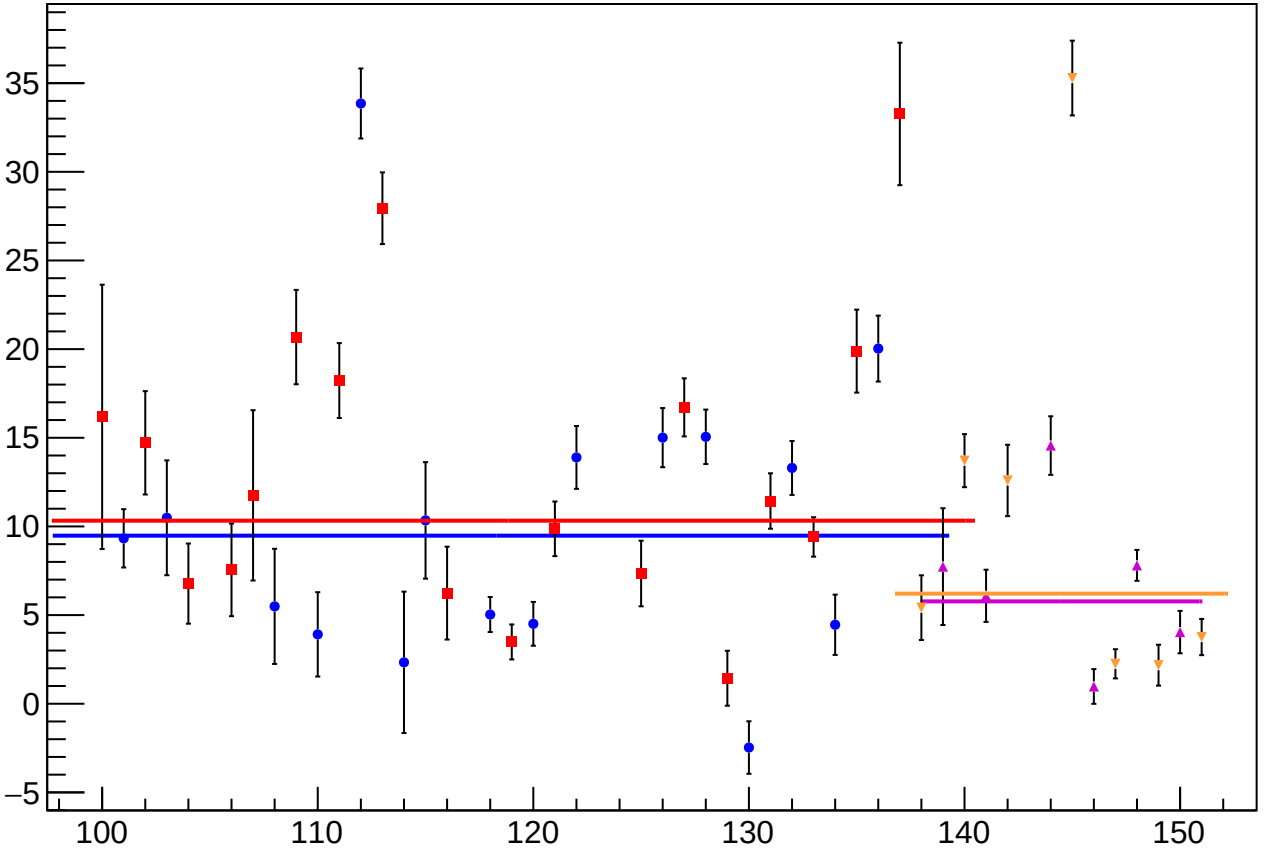
Left In: -89.738+/-0.772 χ^2/NDF:166.1/5

+ sign -72.058+/-0.371 χ^2/NDF: 2190.6/22

All: -72.412+/-0.261 χ^2/NDF: 4239.7/46

- sign -72.764+/-0.369 χ^2/NDF: 2047.3/23

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 6.210+/-0.476 χ^2/NDF:266.8/6

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

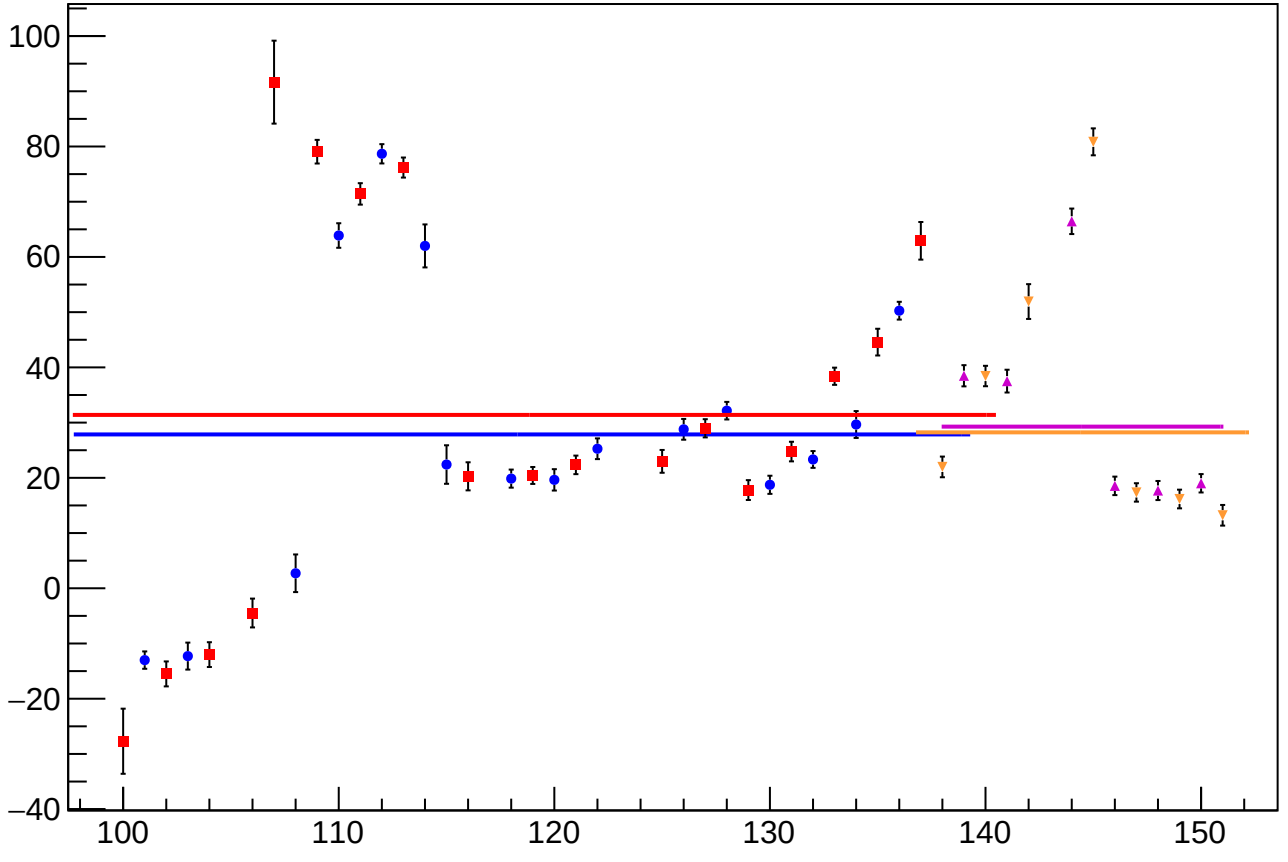
Left In: 5.772+/-0.501 χ^2/NDF:60.3/5

+ sign 8.018+/-0.318 χ^2/NDF: 634.8/22

All: 8.186+/-0.229 χ^2/NDF: 1006.0/46

- sign 8.366+/-0.329 χ^2/NDF: 370.7/23

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 28.234+/-0.737 χ^2/NDF:720.9/6

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

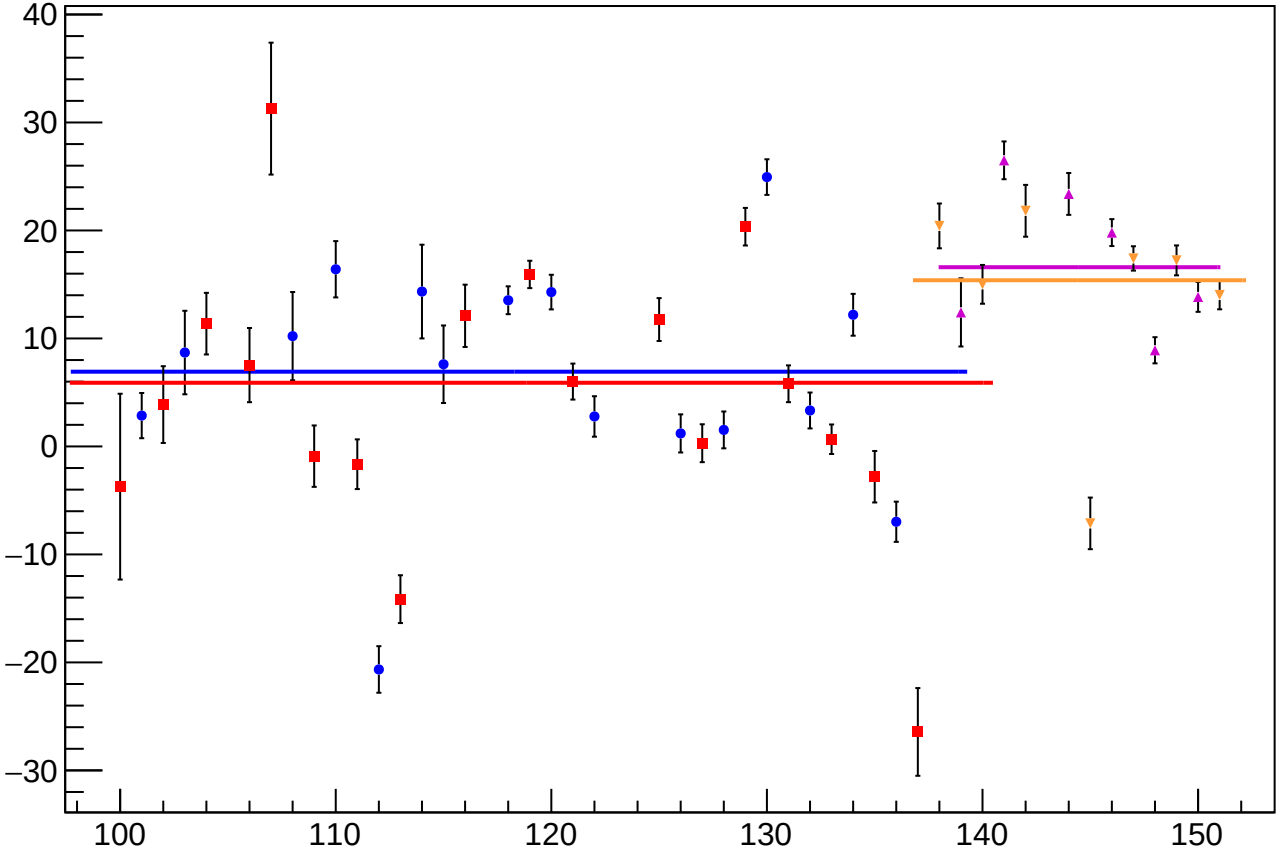
Left In: 29.272+/-0.757 χ^2/NDF:422.2/5

+ sign 27.972+/-0.404 χ^2/NDF: 3195.0/22

All: 29.350+/-0.288 χ^2/NDF: 6657.9/46

- sign 30.771+/-0.410 χ^2/NDF: 3439.2/23

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 15.388+/-0.601 χ^2/NDF:107.9/6

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

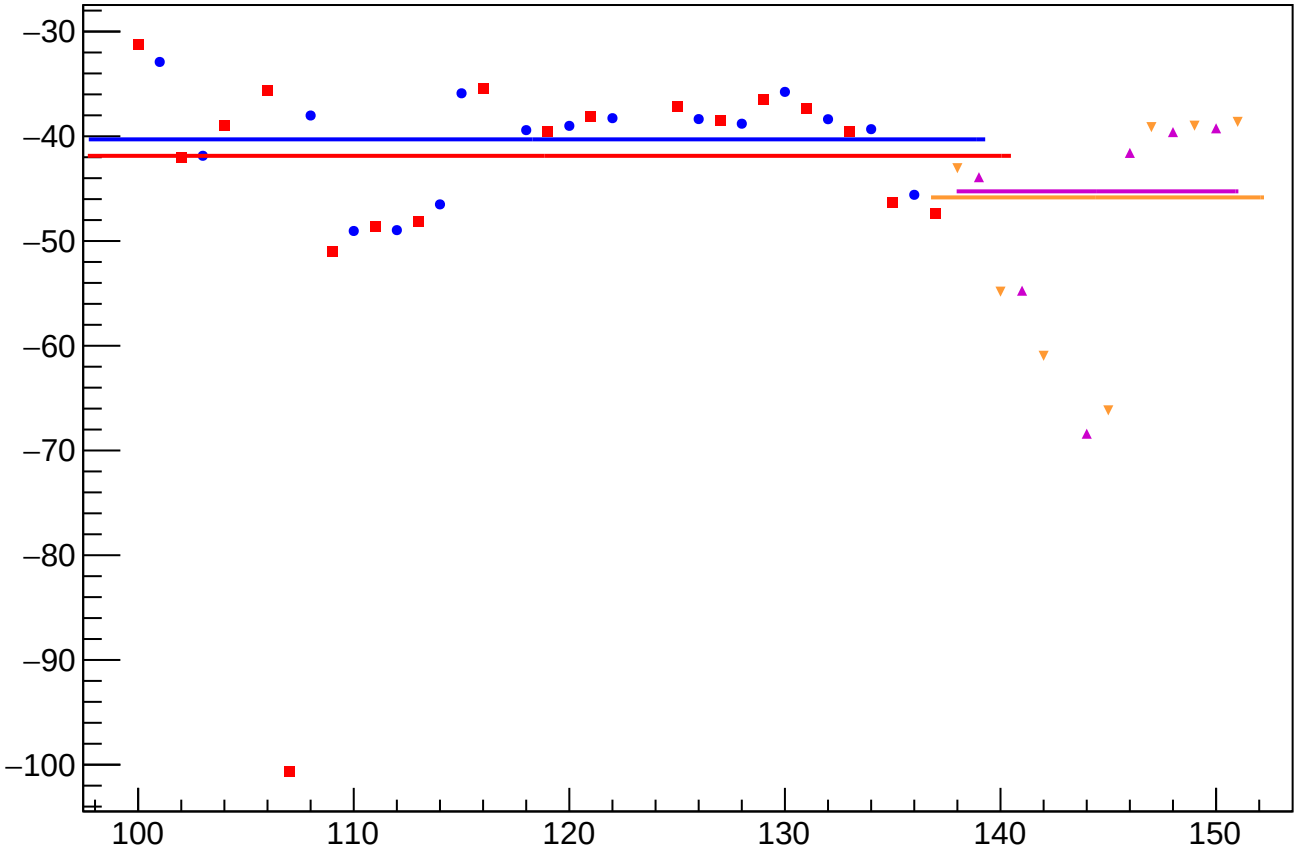
Left In: 16.597+/-0.627 χ^2/NDF:96.8/5

+ sign 10.347+/-0.382 χ^2/NDF: 670.3/22

All: 10.212+/-0.274 χ^2/NDF: 1312.5/46

- sign 10.070+/-0.392 χ^2/NDF: 641.9/23

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -40.293+/-0.031 χ^2/NDF: 20663.5/15

Left Out: -45.835+/-0.031 χ^2/NDF:98766.2/6

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

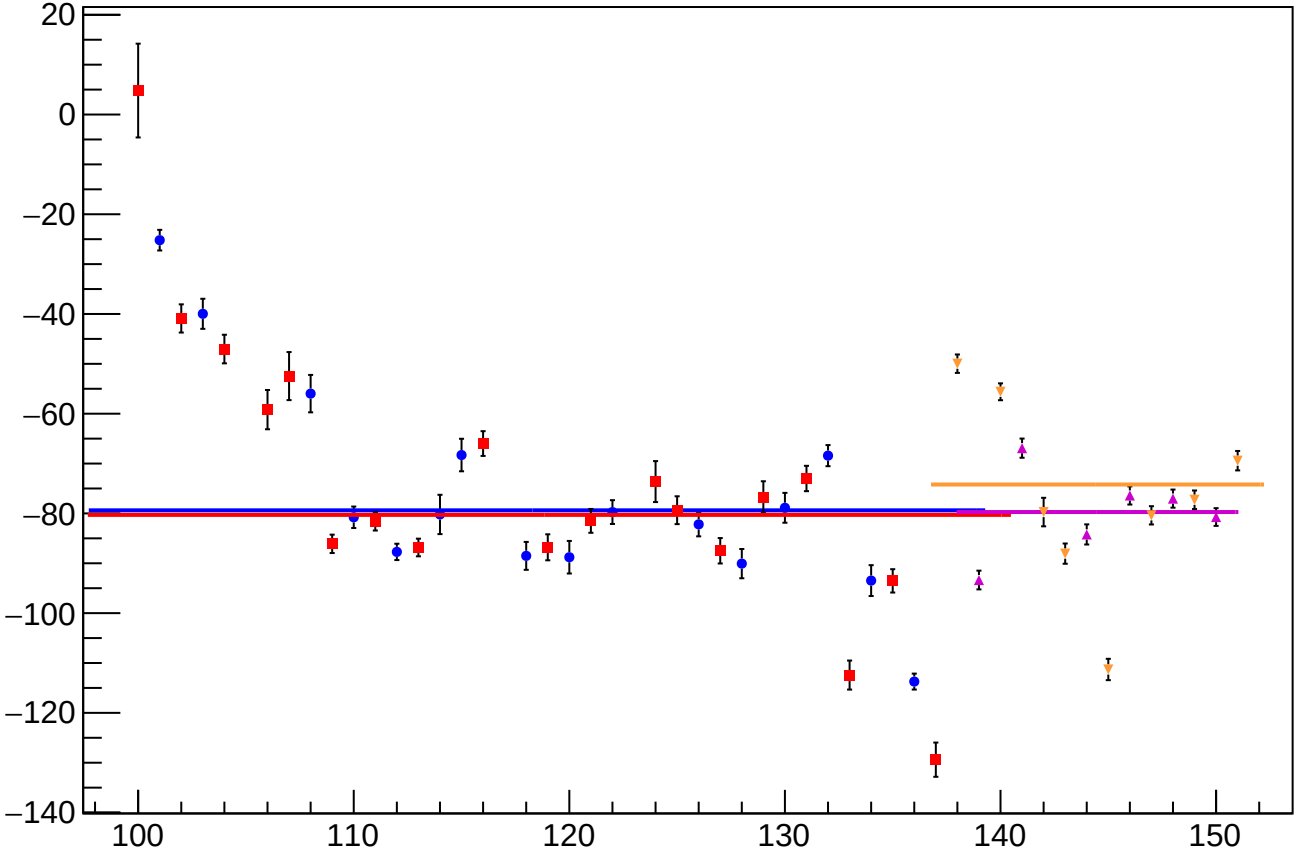
Left In: -45.258+/-0.031 χ^2/NDF:79837.6/5

+ sign -43.128+/-0.022 χ^2/NDF: 135364.3/22

All: -43.382+/-0.016 χ^2/NDF: 280046.7/46

- sign -43.642+/-0.022 χ^2/NDF: 144410.5/23

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -79.382+/-0.611 χ^2/NDF: 1475.9/15

Left Out: -74.204+/-0.694 χ^2/NDF:664.0/7

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

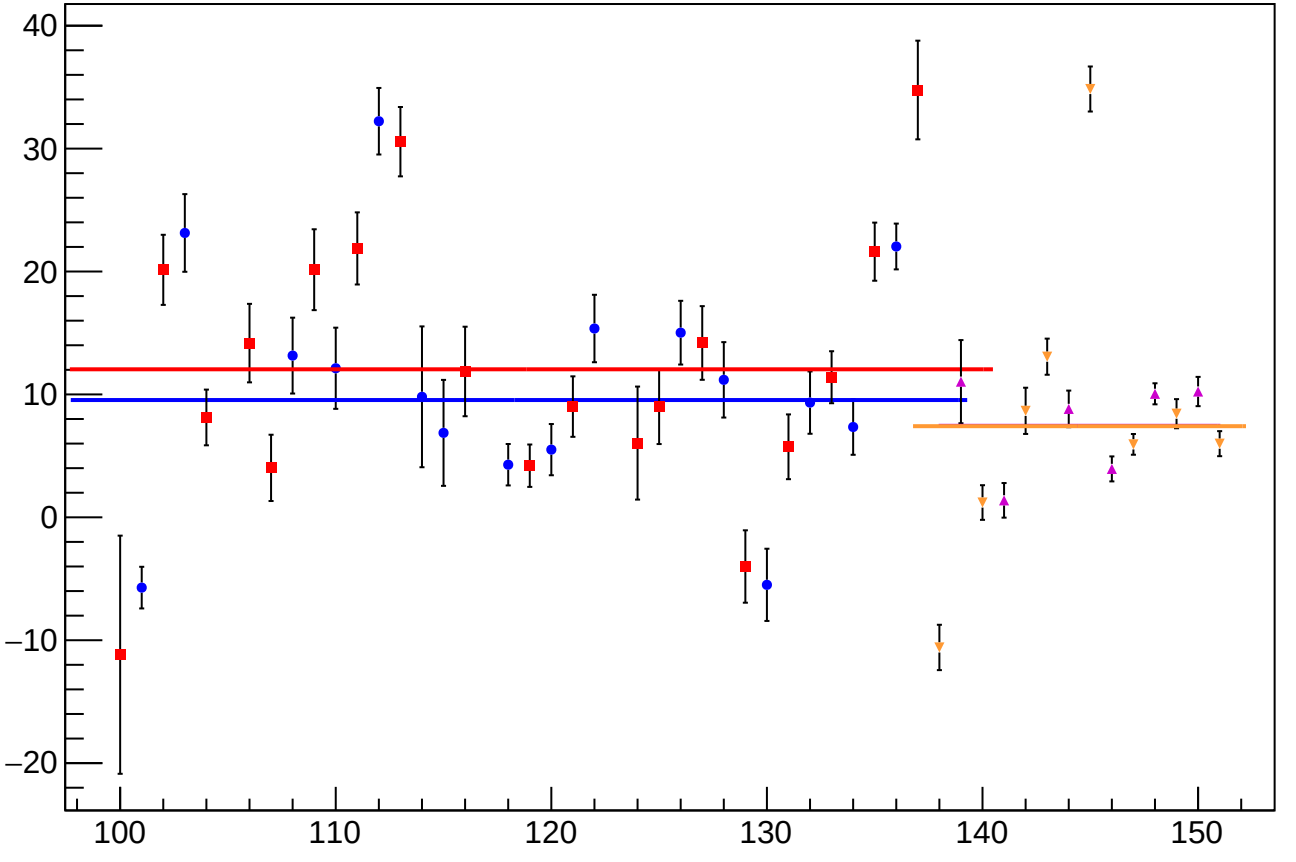
Left In: -79.721+/-0.762 χ^2/NDF:107.8/5

+ sign -77.122+/-0.459 χ^2/NDF: 2171.2/23

All: -78.551+/-0.329 χ^2/NDF: 3214.1/48

- sign -80.073+/-0.473 χ^2/NDF: 1022.8/24

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 9.543+/-0.621 χ^2/NDF: 267.1/15

Left Out: 7.415+/-0.451 χ^2/NDF:359.9/7

Right Out: 12.044+/-0.637 χ^2/NDF: 195.8/18

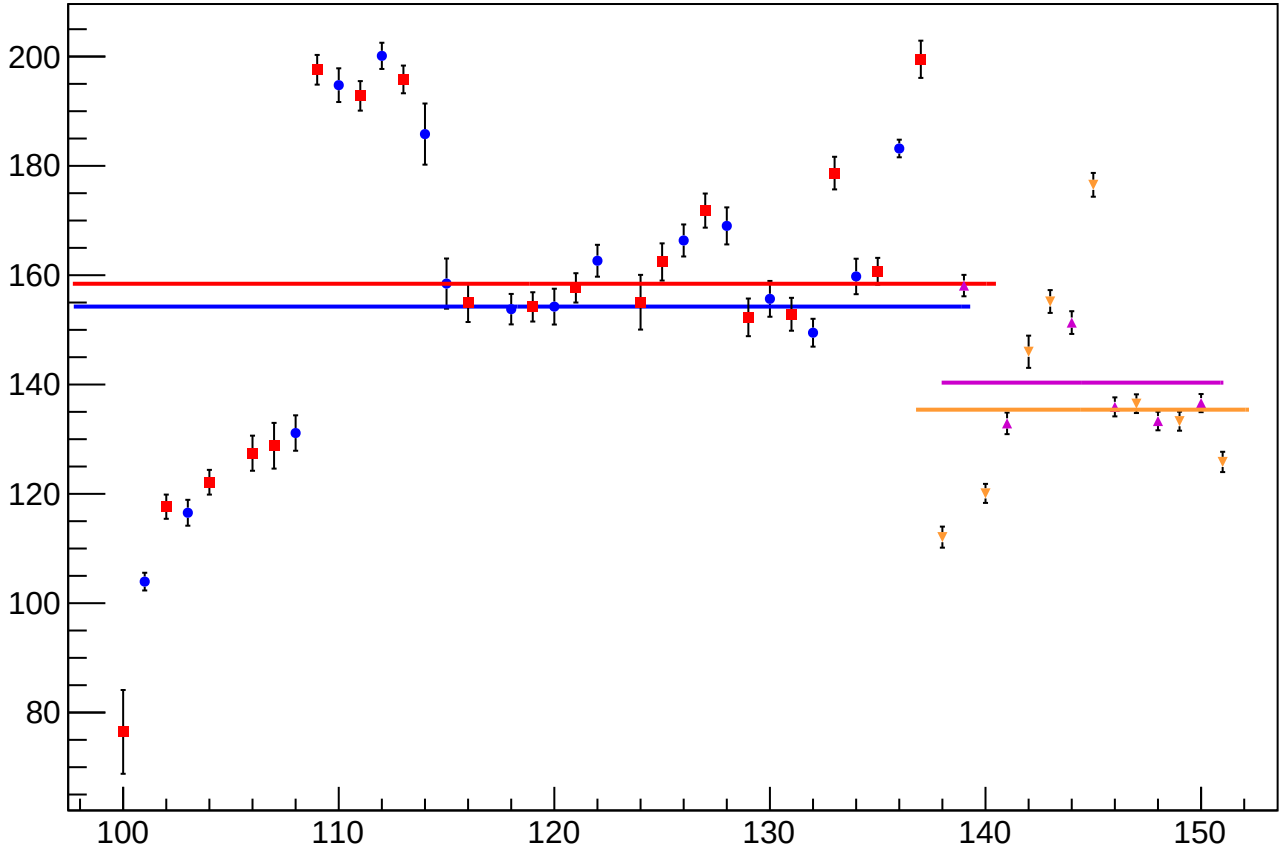
Left In: 7.446+/-0.495 χ^2/NDF:47.2/5

+ sign 8.149+/-0.365 χ^2/NDF: 634.7/23

All: 8.628+/-0.267 χ^2/NDF: 913.8/48

- sign 9.178+/-0.391 χ^2/NDF: 275.5/24

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 135.400+/-0.687 χ^2/NDF:711.9/7

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

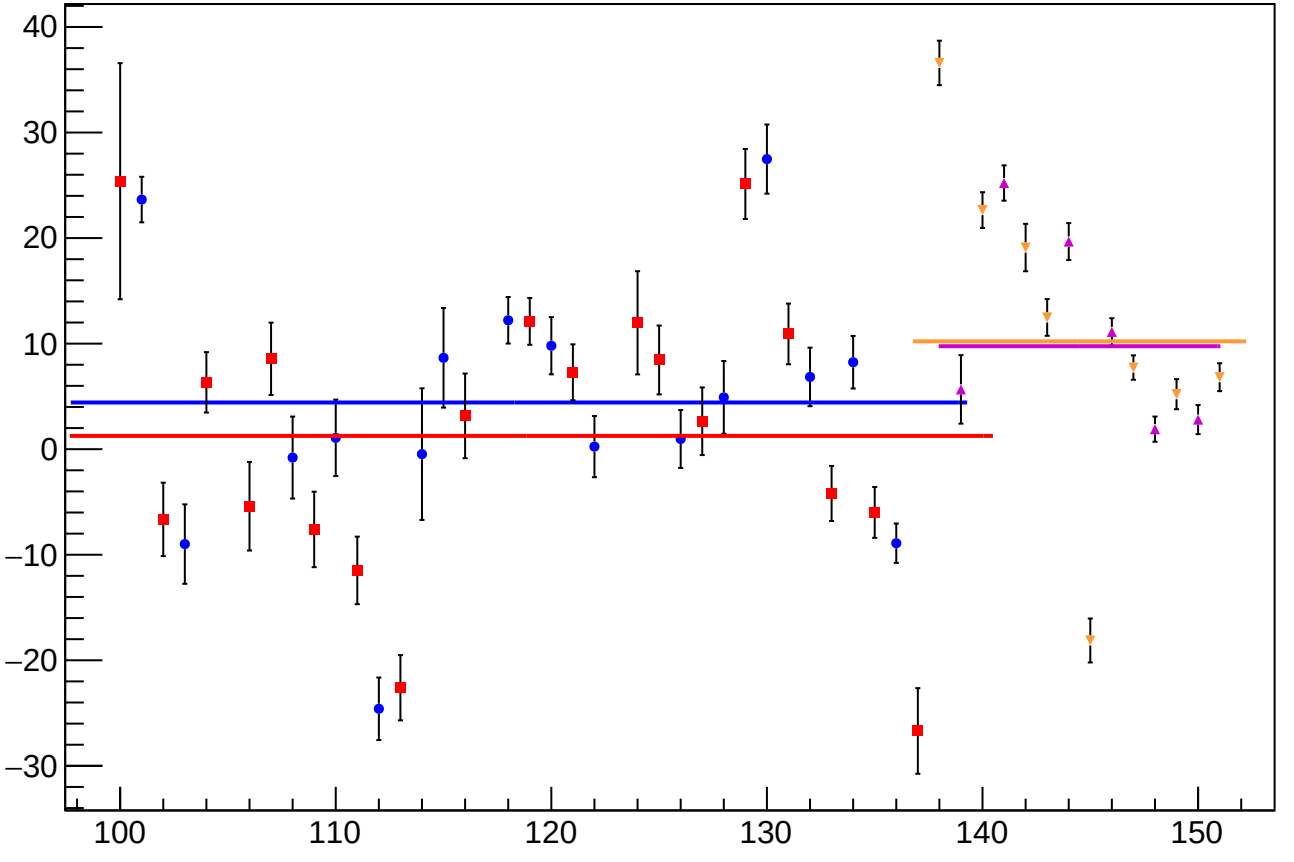
Left In: 140.345+/-0.748 χ^2/NDF:153.0/5

+ sign 145.186+/-0.477 χ^2/NDF: 3316.4/23

All: 147.559+/-0.346 χ^2/NDF: 5505.3/48

- sign 150.212+/-0.504 χ^2/NDF: 2136.4/24

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 10.217+/-0.564 χ^2/NDF:437.0/7

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

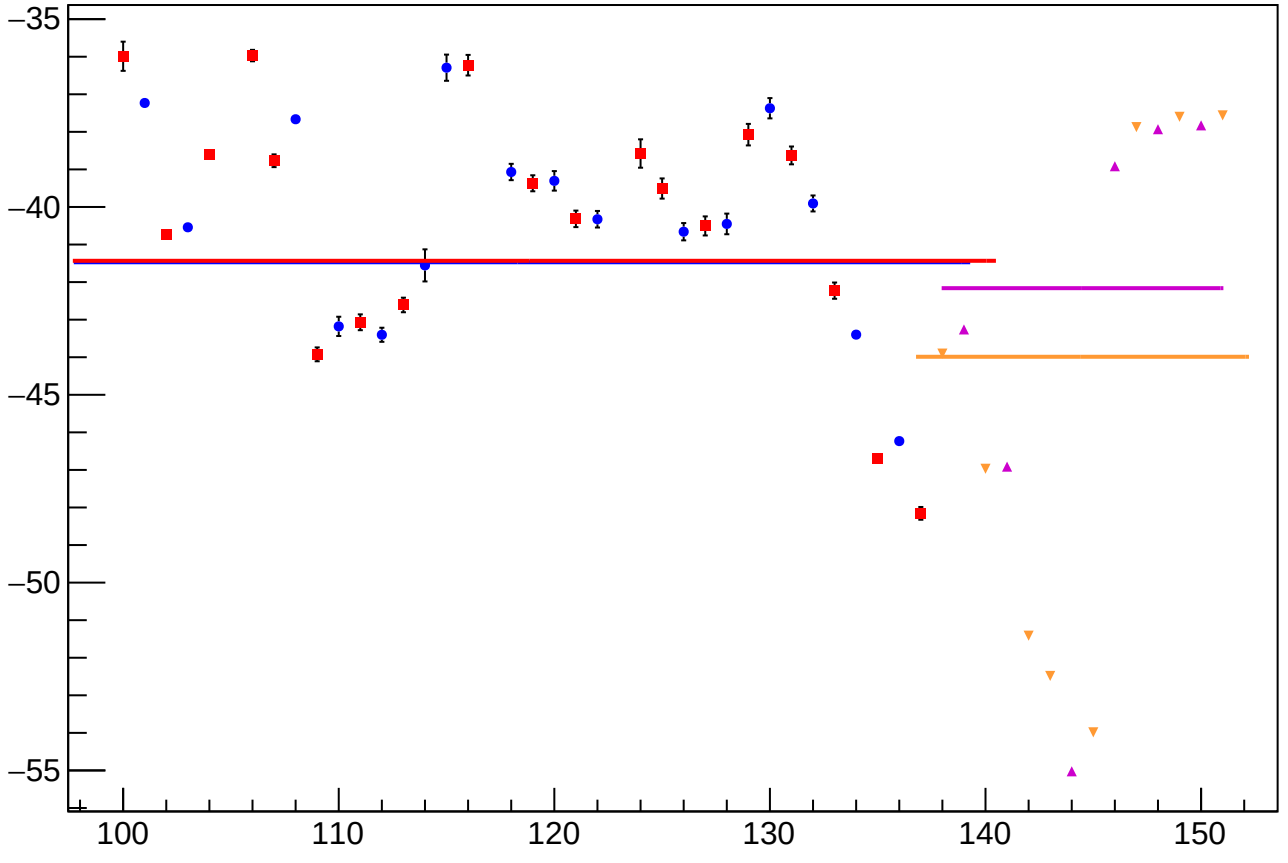
Left In: 9.754+/-0.619 χ^2/NDF:189.2/5

+ sign 7.992+/-0.442 χ^2/NDF: 793.6/23

All: 7.159+/-0.323 χ^2/NDF: 1333.8/48

- sign 6.208+/-0.473 χ^2/NDF: 532.6/24

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -43.988+/-0.029 χ^2/NDF:50157.3/7

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

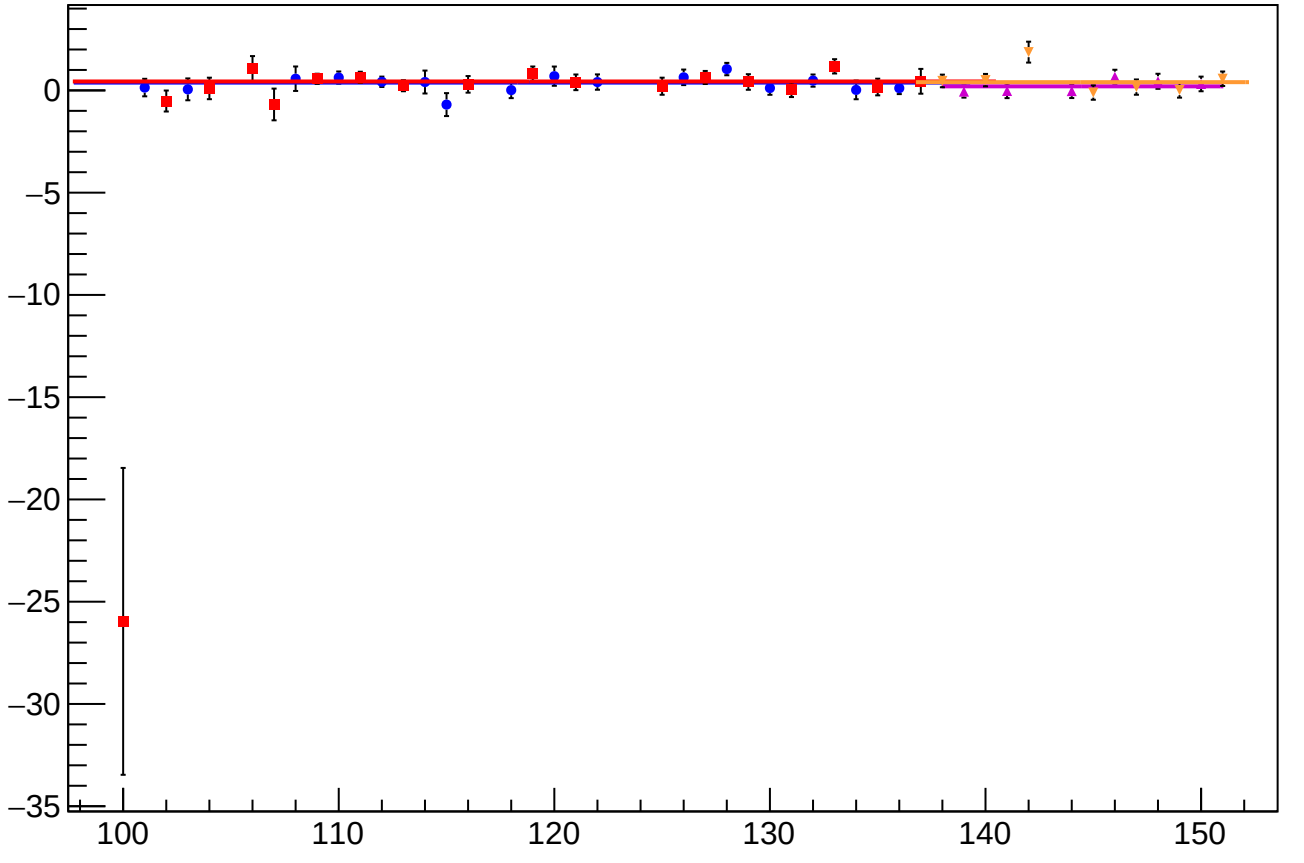
Left In: -42.161+/-0.030 χ^2/NDF:32596.2/5

+ sign -43.080+/-0.023 χ^2/NDF: 60854.2/23

All: -42.515+/-0.017 χ^2/NDF: 103169.5/48

- sign -41.891+/-0.024 χ^2/NDF: 41035.4/24

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.403+/-0.134 χ^2/NDF:12.2/6

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

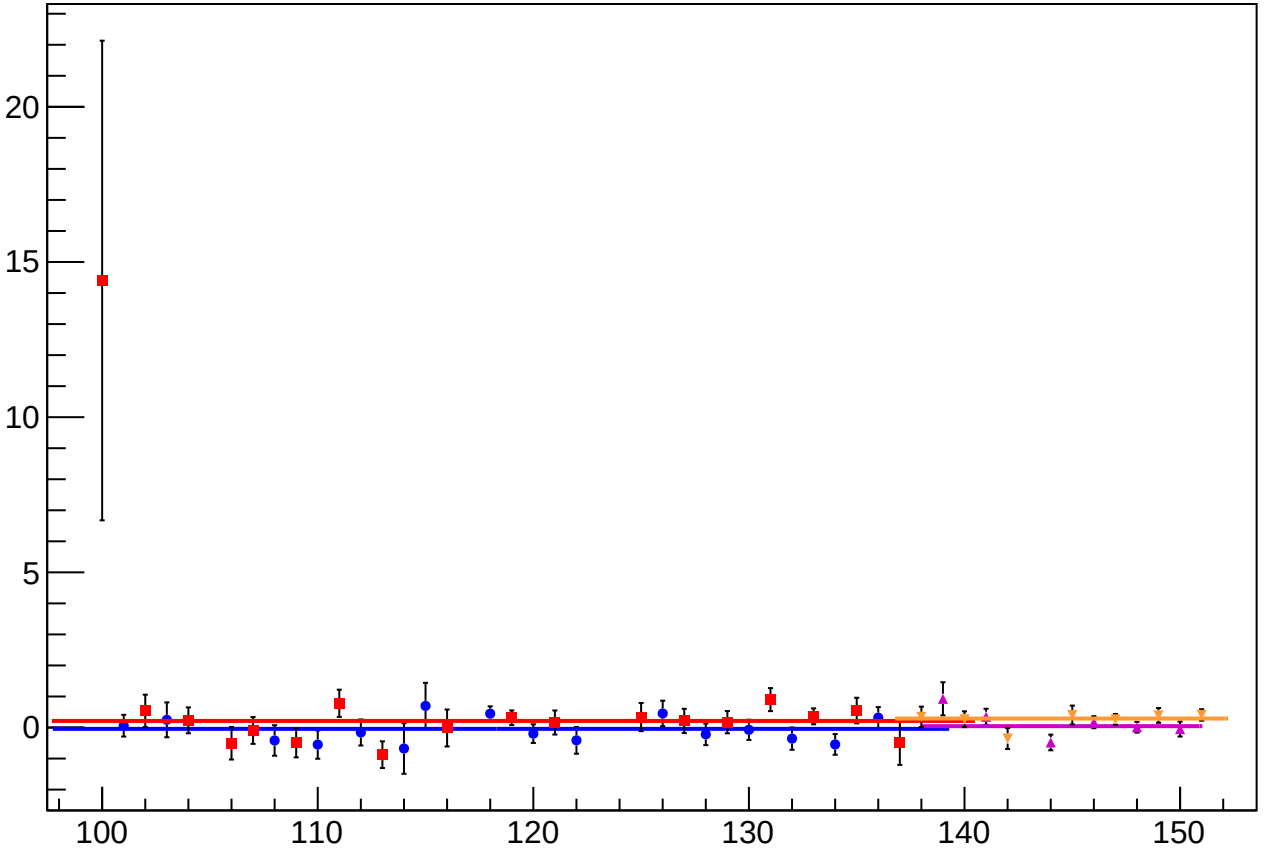
Left In: 0.199+/-0.139 χ^2/NDF:4.1/5

+ sign 0.389+/-0.076 χ^2/NDF: 26.2/22

All: 0.377+/-0.054 χ^2/NDF: 61.4/46

- sign 0.366+/-0.076 χ^2/NDF: 35.1/23

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.290+/-0.089 χ^2/NDF:4.4/6

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

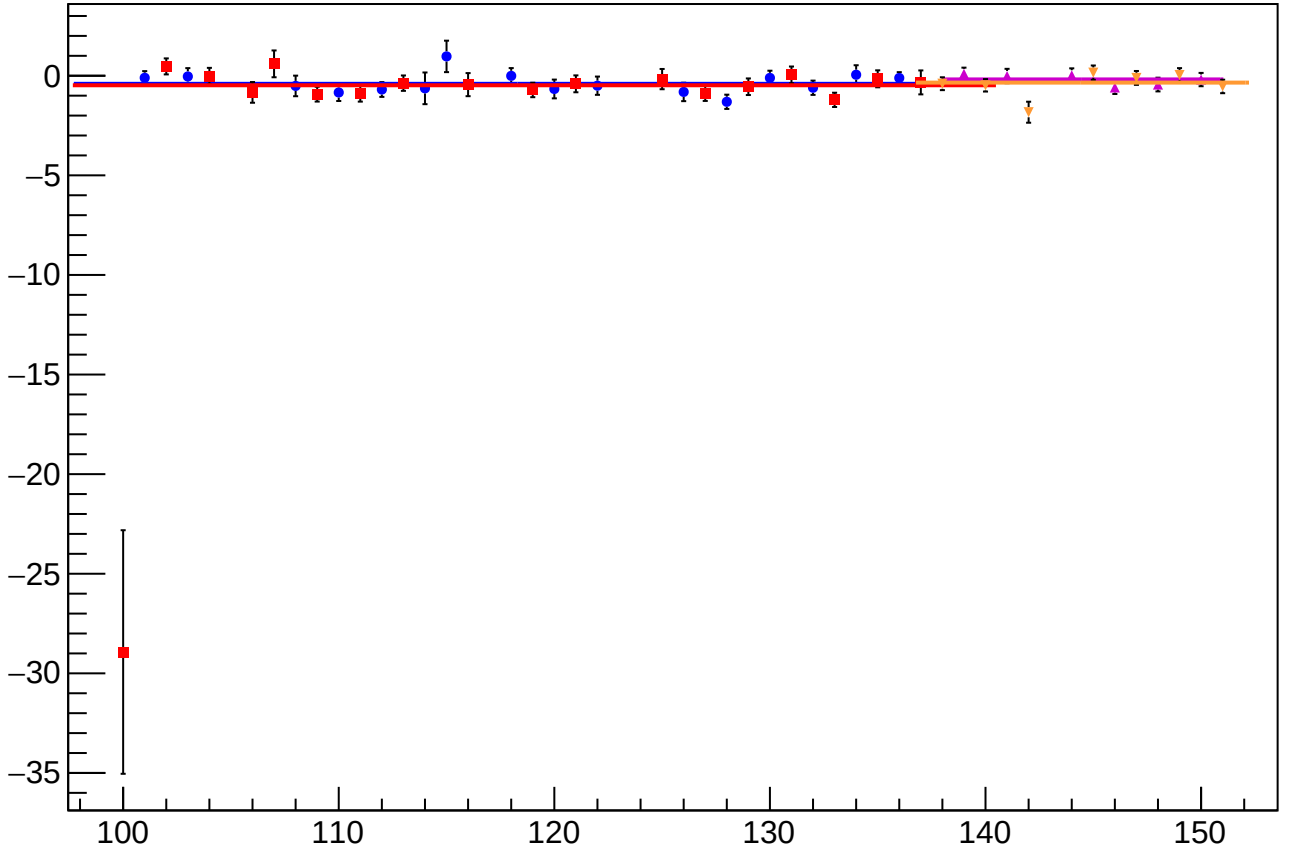
Left In: 0.043+/-0.095 χ^2/NDF:9.0/5

+ sign 0.132+/-0.065 χ^2/NDF: 26.0/22

All: 0.130+/-0.047 χ^2/NDF: 59.0/46

- sign 0.128+/-0.067 χ^2/NDF: 33.0/23

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.344+/-0.133 χ^2/NDF:12.1/6

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

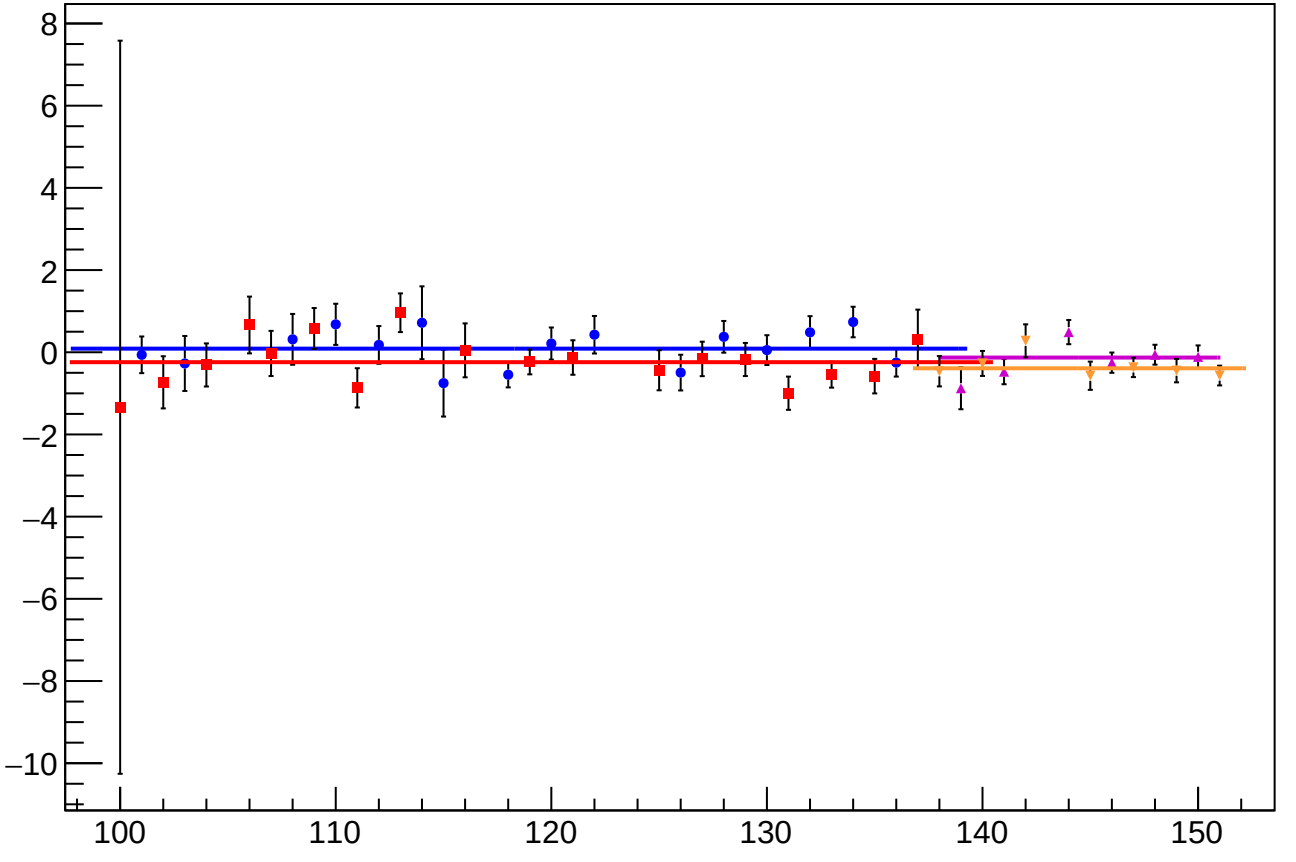
Left In: -0.185+/-0.137 χ^2/NDF:3.5/5

+ sign -0.383+/-0.082 χ^2/NDF: 30.0/22

All: -0.377+/-0.058 χ^2/NDF: 78.6/46

- sign -0.371+/-0.083 χ^2/NDF: 48.6/23

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.390+/-0.112 χ^2/NDF:3.8/6

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

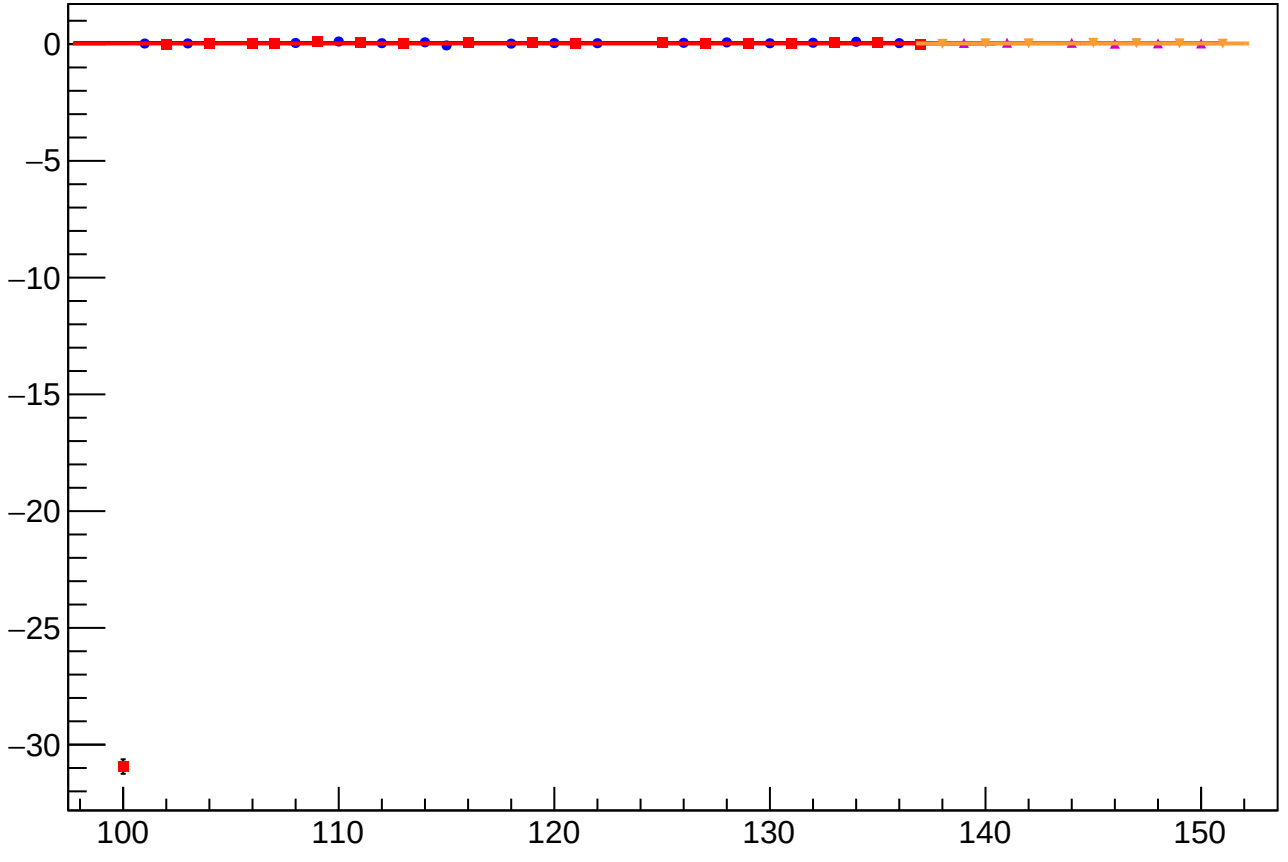
Left In: -0.129+/-0.118 χ^2/NDF:8.1/5

+ sign -0.144+/-0.078 χ^2/NDF: 29.2/22

All: -0.166+/-0.056 χ^2/NDF: 57.5/46

- sign -0.189+/-0.080 χ^2/NDF: 28.2/23

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.028+/-0.005 χ^2/NDF:7.7/6

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

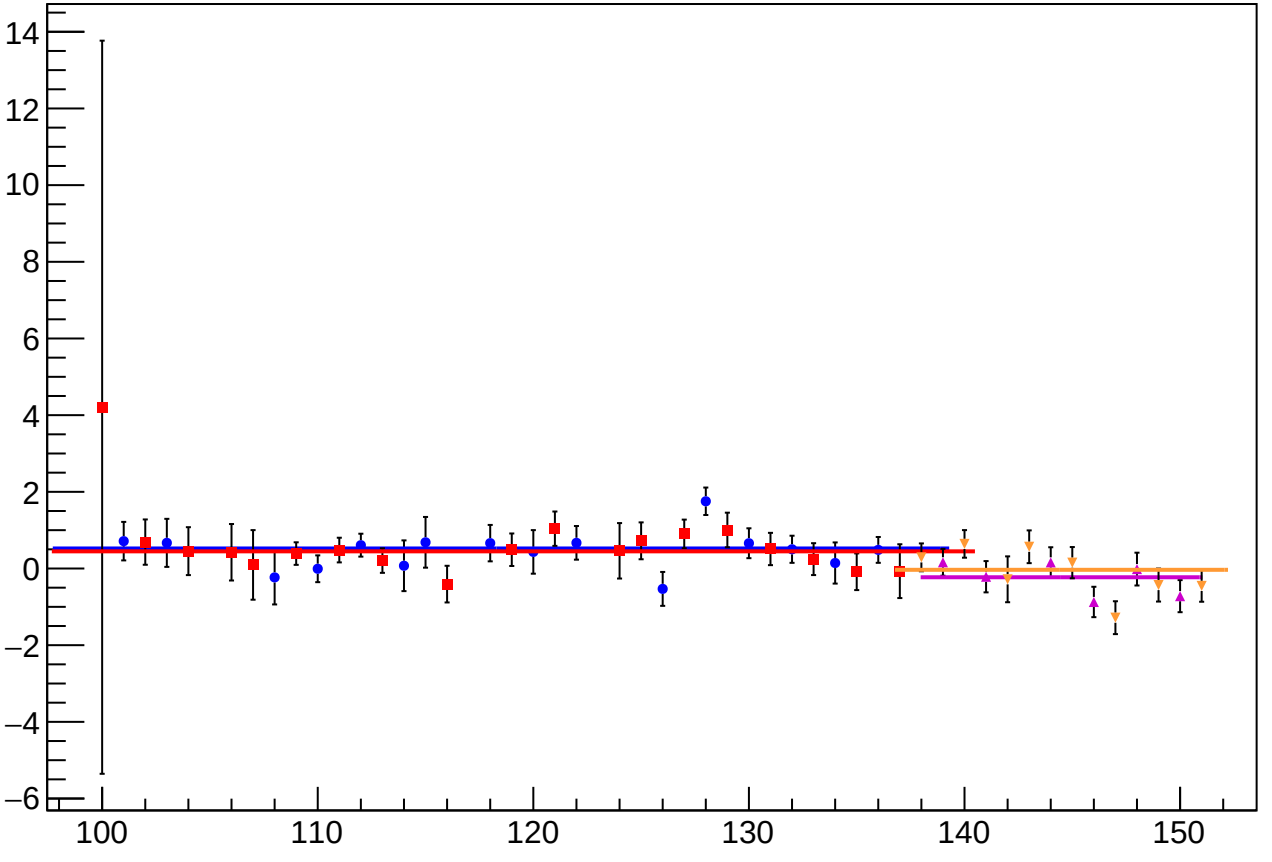
Left In: 0.042+/-0.006 χ^2/NDF:7.4/5

+ sign 0.037+/-0.004 χ^2/NDF: 33.0/22

All: 0.036+/-0.003 χ^2/NDF: 10064.3/46

- sign 0.036+/-0.004 χ^2/NDF: 10031.2/23

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.522+/-0.108 χ^2/NDF: 22.6/15

Left Out: -0.034+/-0.147 χ^2/NDF:17.1/7

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

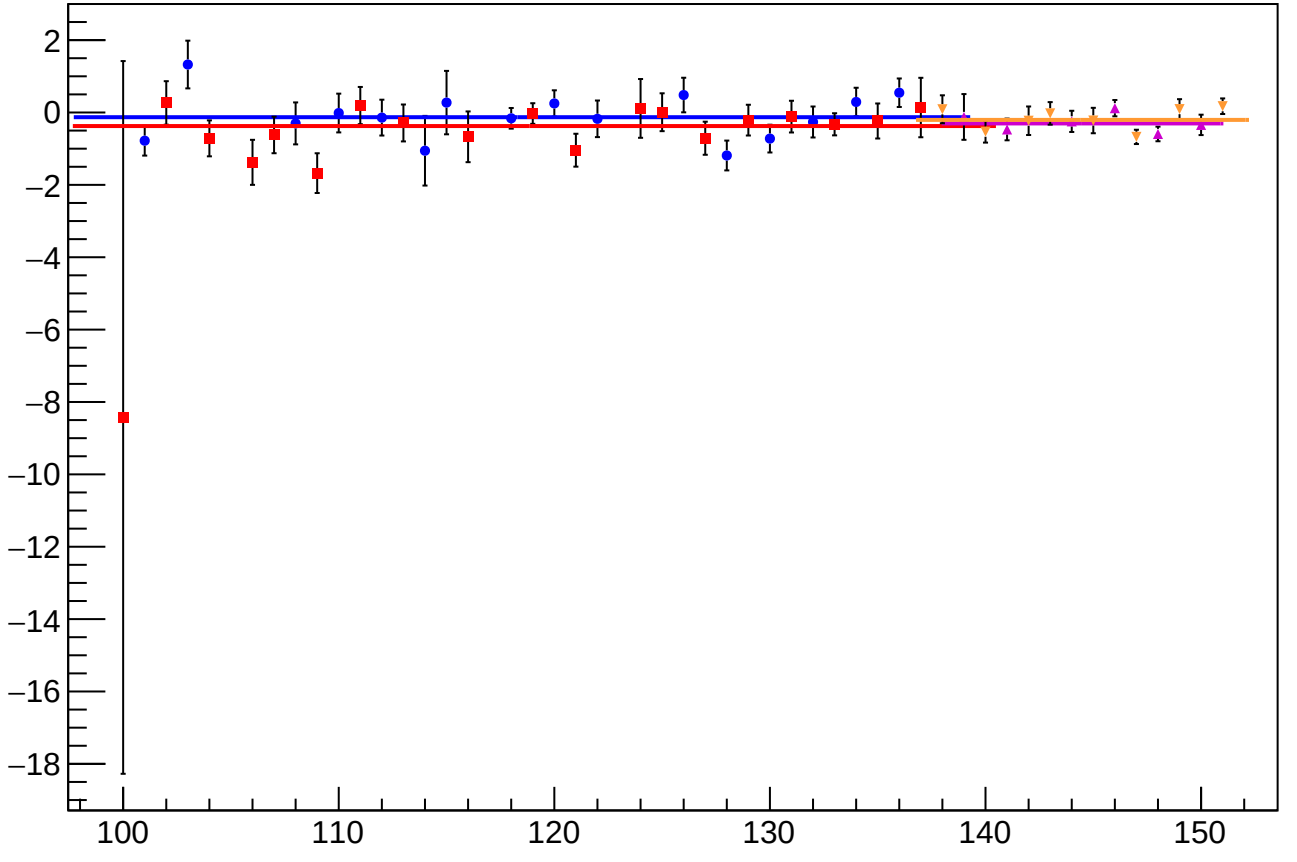
Left In: -0.228+/-0.162 χ^2/NDF:6.5/5

+ sign 0.326+/-0.087 χ^2/NDF: 48.9/23

All: 0.287+/-0.062 χ^2/NDF: 79.5/48

- sign 0.247+/-0.088 χ^2/NDF: 30.1/24

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

Left Out: -0.205+/-0.099 χ^2/NDF:12.0/7

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

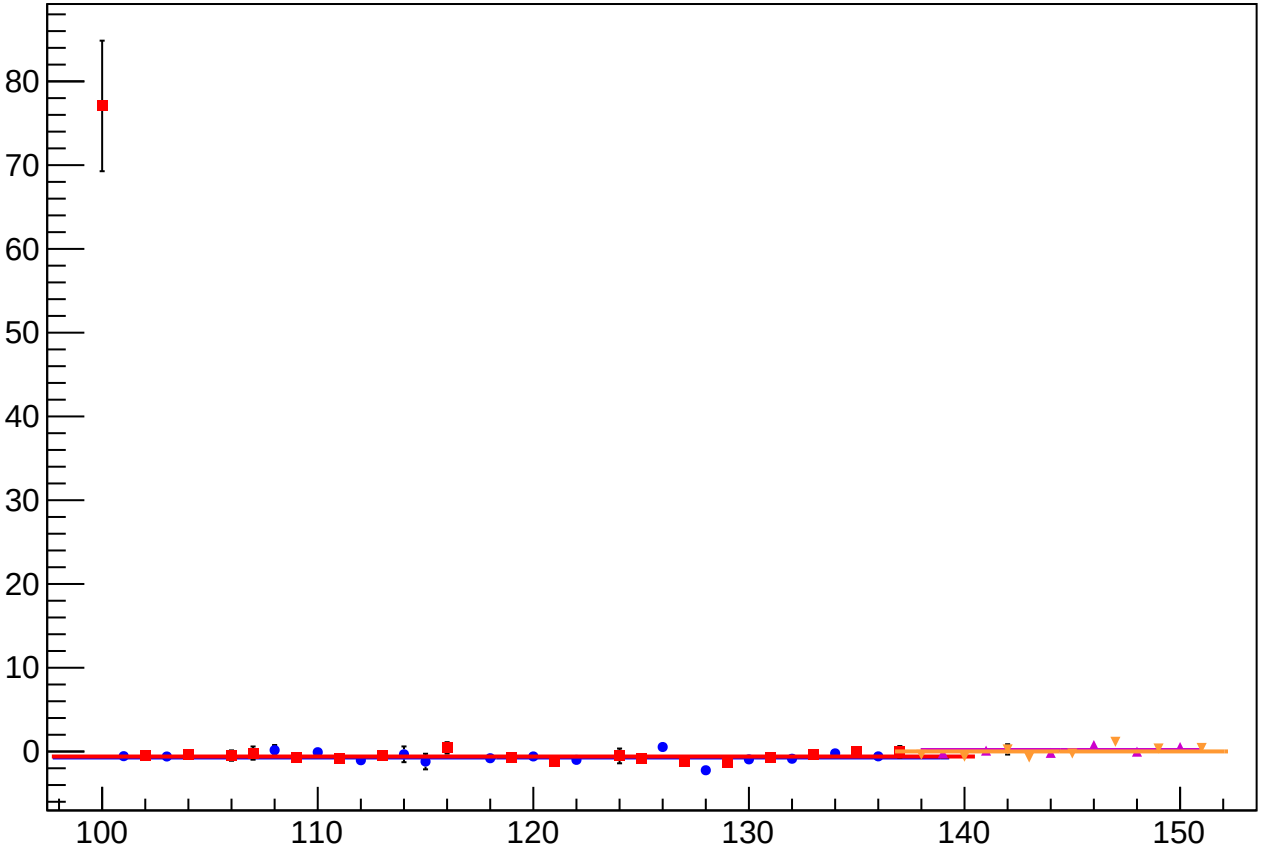
Left In: -0.302+/-0.110 χ^2/NDF:6.0/5

+ sign -0.172+/-0.074 χ^2/NDF: 36.8/23

All: -0.250+/-0.054 χ^2/NDF: 63.6/48

- sign -0.338+/-0.078 χ^2/NDF: 24.5/24

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: 0.011+/-0.146 χ^2/NDF:17.4/7

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

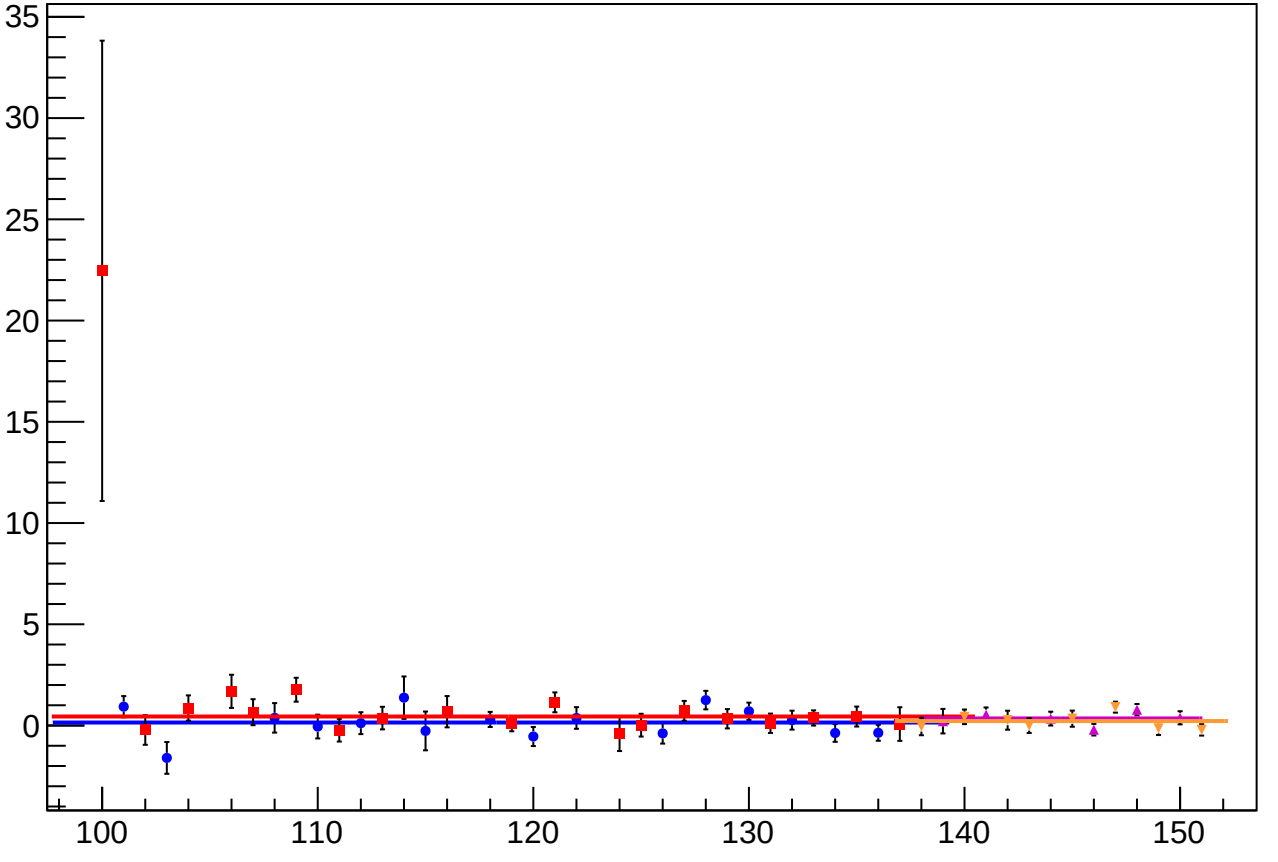
Left In: 0.179+/-0.160 χ^2/NDF:5.3/5

+ sign -0.417+/-0.093 χ^2/NDF: 56.8/23

All: -0.367+/-0.067 χ^2/NDF: 188.5/48

- sign -0.313+/-0.097 χ^2/NDF: 131.1/24

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.220+/-0.122 χ^2/NDF:11.3/7

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

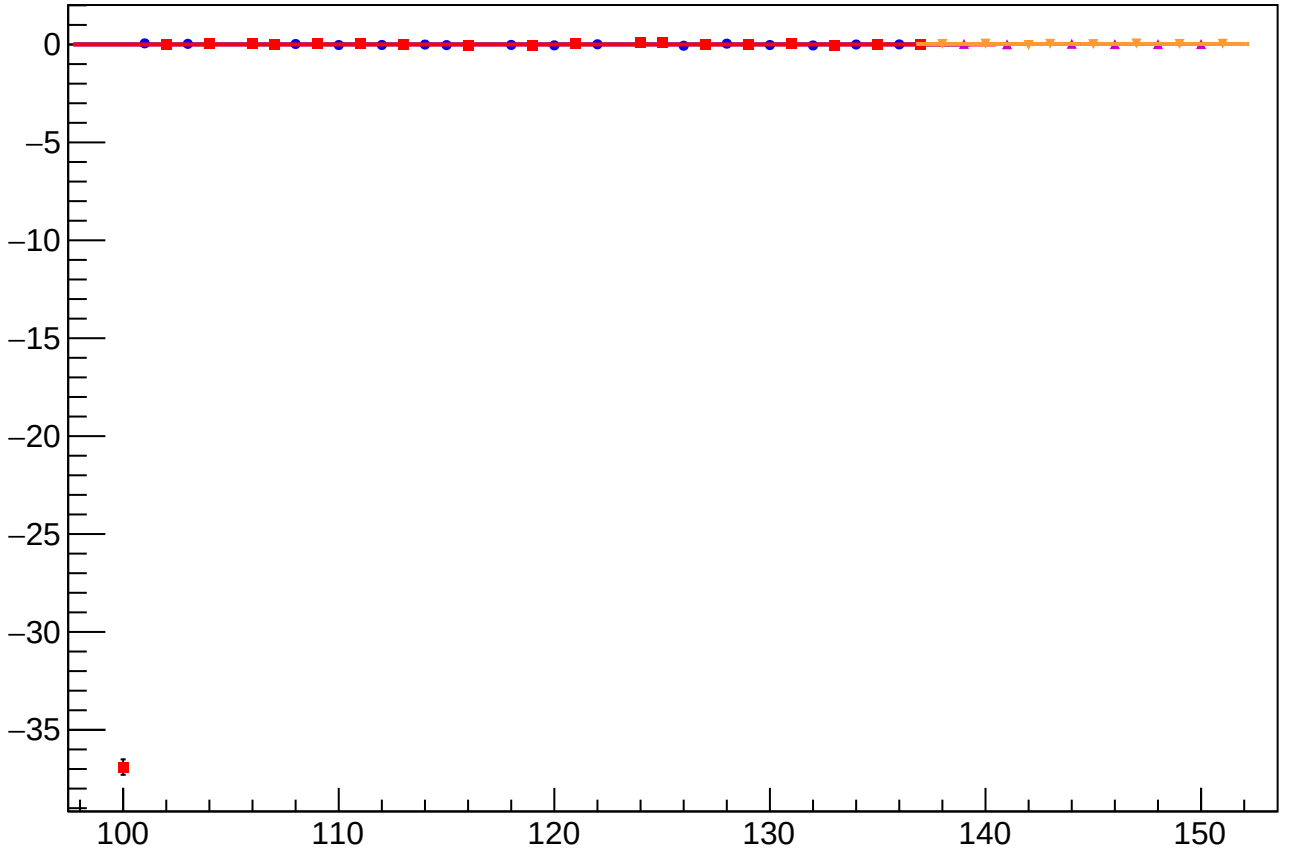
Left In: 0.349+/-0.137 χ^2/NDF:6.5/5

+ sign 0.186+/-0.088 χ^2/NDF: 34.7/23

All: 0.287+/-0.064 χ^2/NDF: 63.9/48

- sign 0.400+/-0.093 χ^2/NDF: 26.5/24

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.028+/-0.006 χ^2/NDF:7.4/7

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

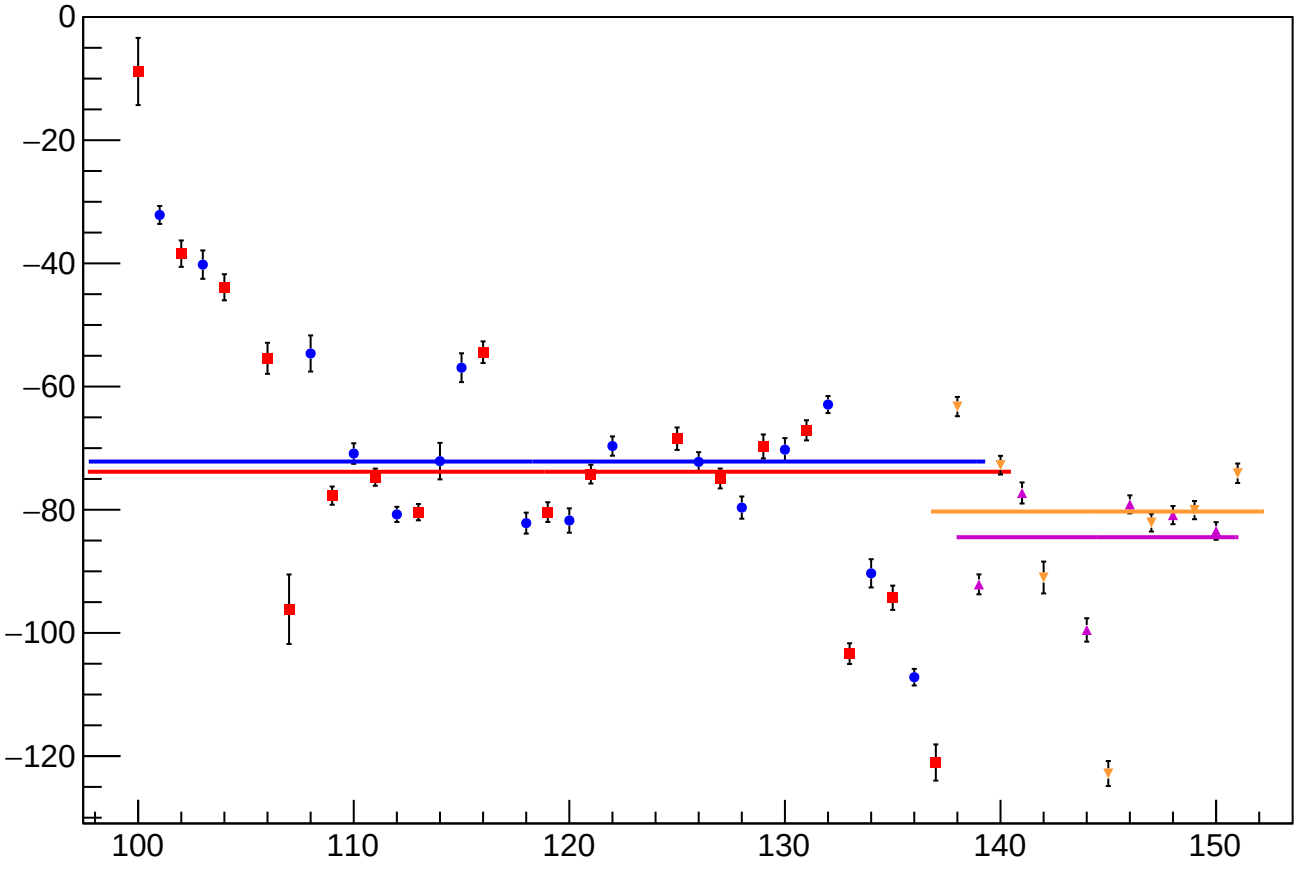
Left In: 0.026+/-0.006 χ^2/NDF:1.5/5

\+ sign 0.019+/-0.005 χ^2/NDF: 30.0/23

All: 0.017+/-0.003 χ^2/NDF: 8790.8/48

\- sign 0.016+/-0.005 χ^2/NDF: 8760.6/24

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -80.290+/-0.624 χ^2/NDF:614.6/6

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

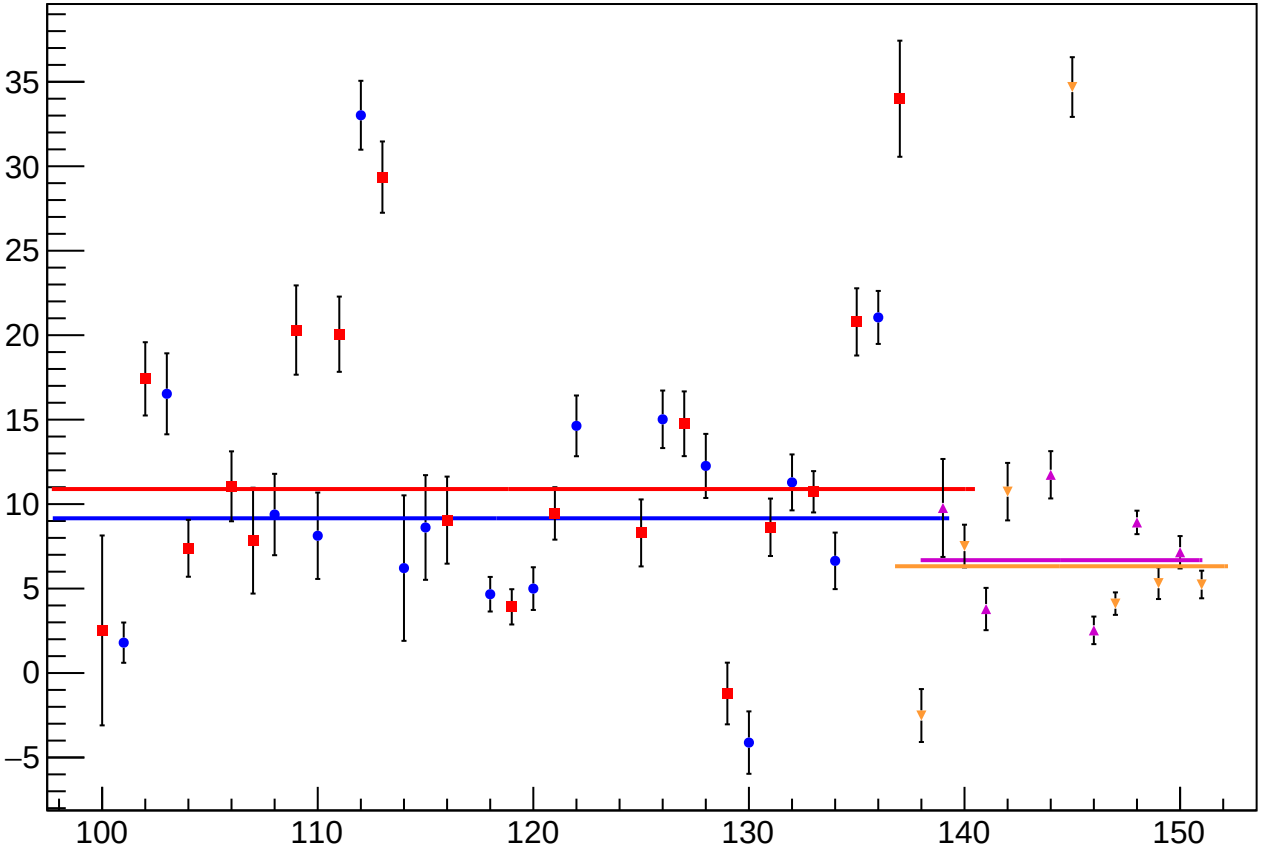
Left In: -84.458+/-0.643 χ^2/NDF:122.3/5

+ sign -74.800+/-0.355 χ^2/NDF: 2664.9/22

All: -75.951+/-0.252 χ^2/NDF: 4554.5/46

- sign -77.118+/-0.358 χ^2/NDF: 1868.4/23

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 9.161+/-0.425 χ^2/NDF: 352.1/15

Left Out: 6.321+/-0.390 χ^2/NDF:310.9/6

Right Out: 10.892+/-0.440 χ^2/NDF: 290.2/17

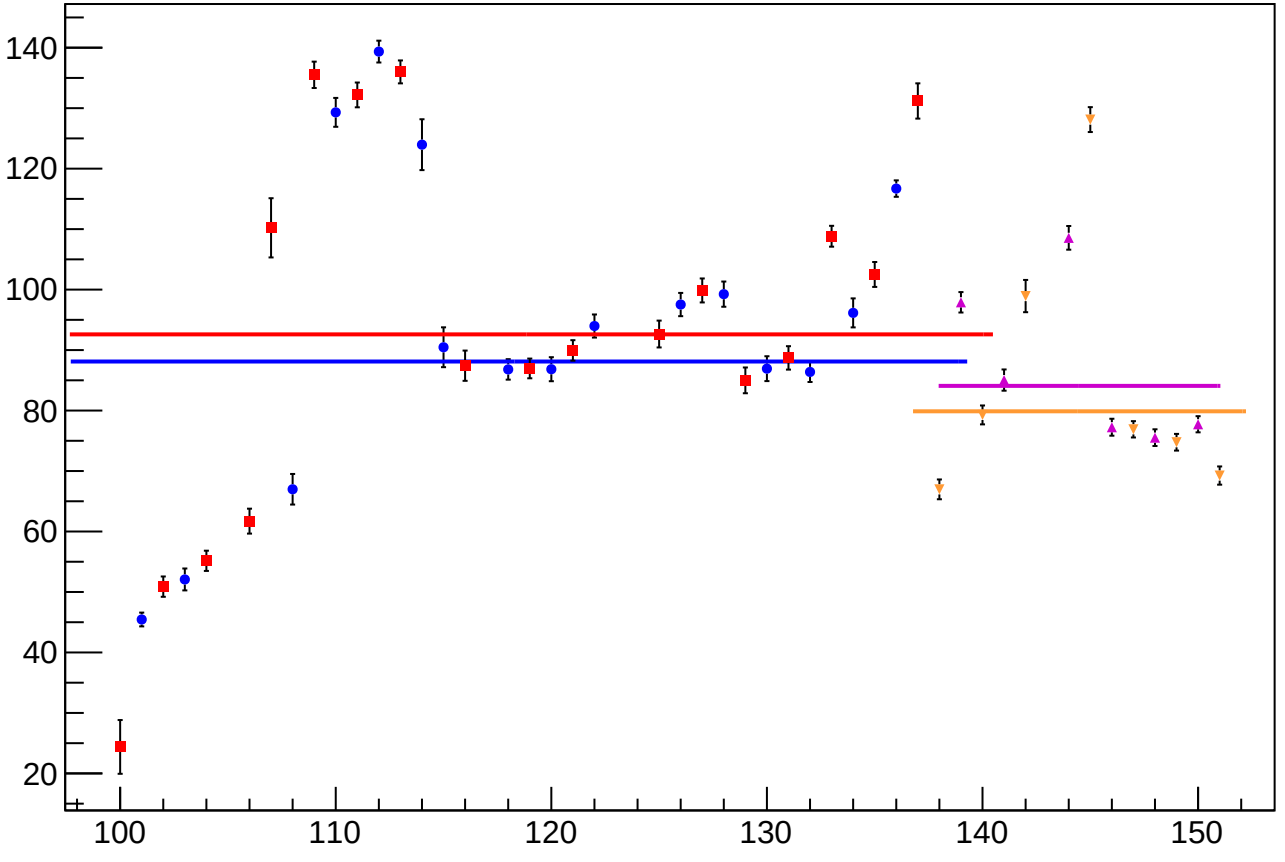
Left In: 6.681+/-0.411 χ^2/NDF:56.0/5

+ sign 7.618+/-0.287 χ^2/NDF: 687.3/22

All: 8.106+/-0.208 χ^2/NDF: 1088.5/46

- sign 8.641+/-0.300 χ^2/NDF: 395.2/23

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 88.109+/-0.469 χ^2/NDF: 3561.7/15

Left Out: 79.876+/-0.612 χ^2/NDF:730.8/6

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

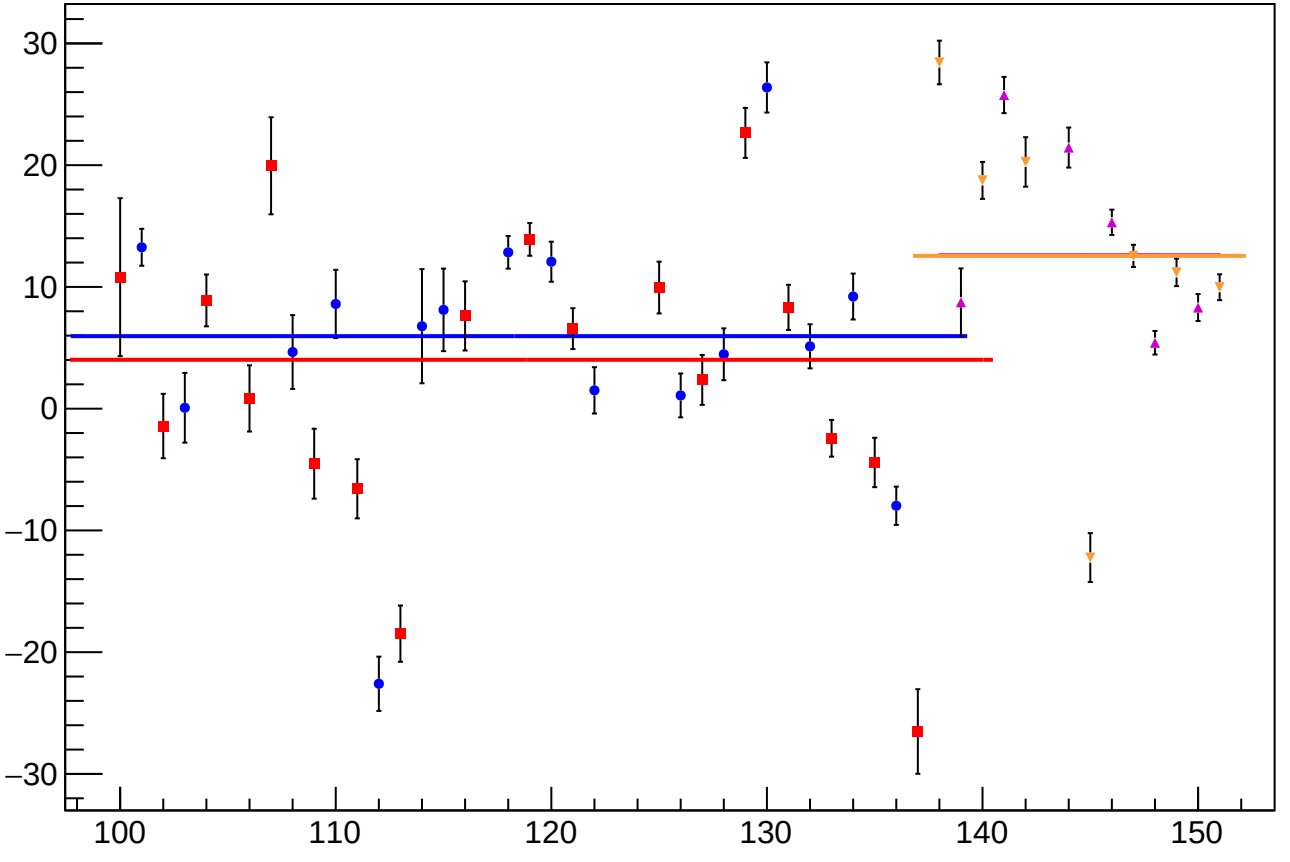
Left In: 84.081+/-0.628 χ^2/NDF:308.5/5

+ sign 85.063+/-0.372 χ^2/NDF: 4406.7/22

All: 87.184+/-0.267 χ^2/NDF: 8108.6/46

- sign 89.433+/-0.383 χ^2/NDF: 3634.9/23

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 12.553+/-0.493 χ^2/NDF:269.6/6

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

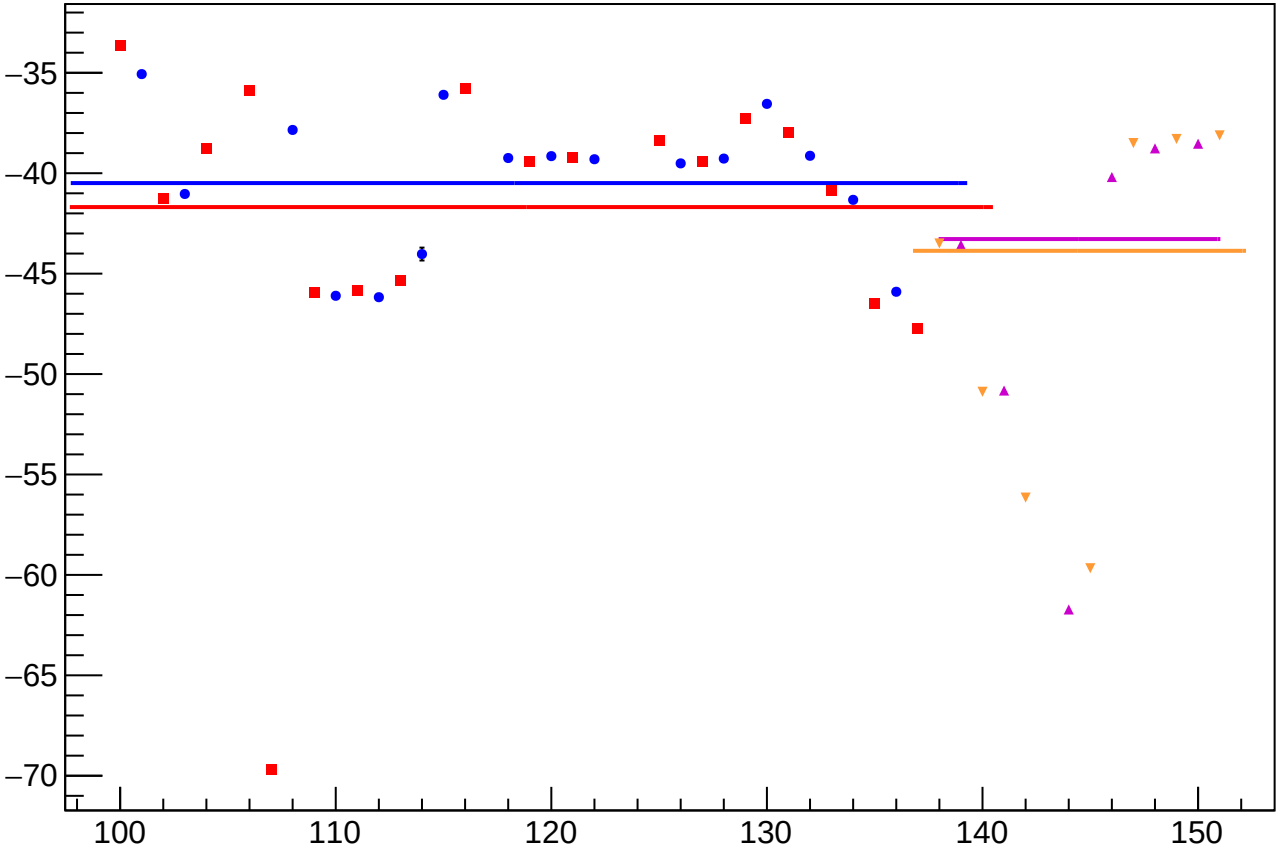
Left In: 12.606+/-0.516 χ^2/NDF:186.0/5

+ sign 9.263+/-0.349 χ^2/NDF: 785.5/22

All: 8.780+/-0.252 χ^2/NDF: 1533.5/46

- sign 8.260+/-0.363 χ^2/NDF: 744.1/23

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -43.863+/-0.026 χ^2/NDF:87109.2/6

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

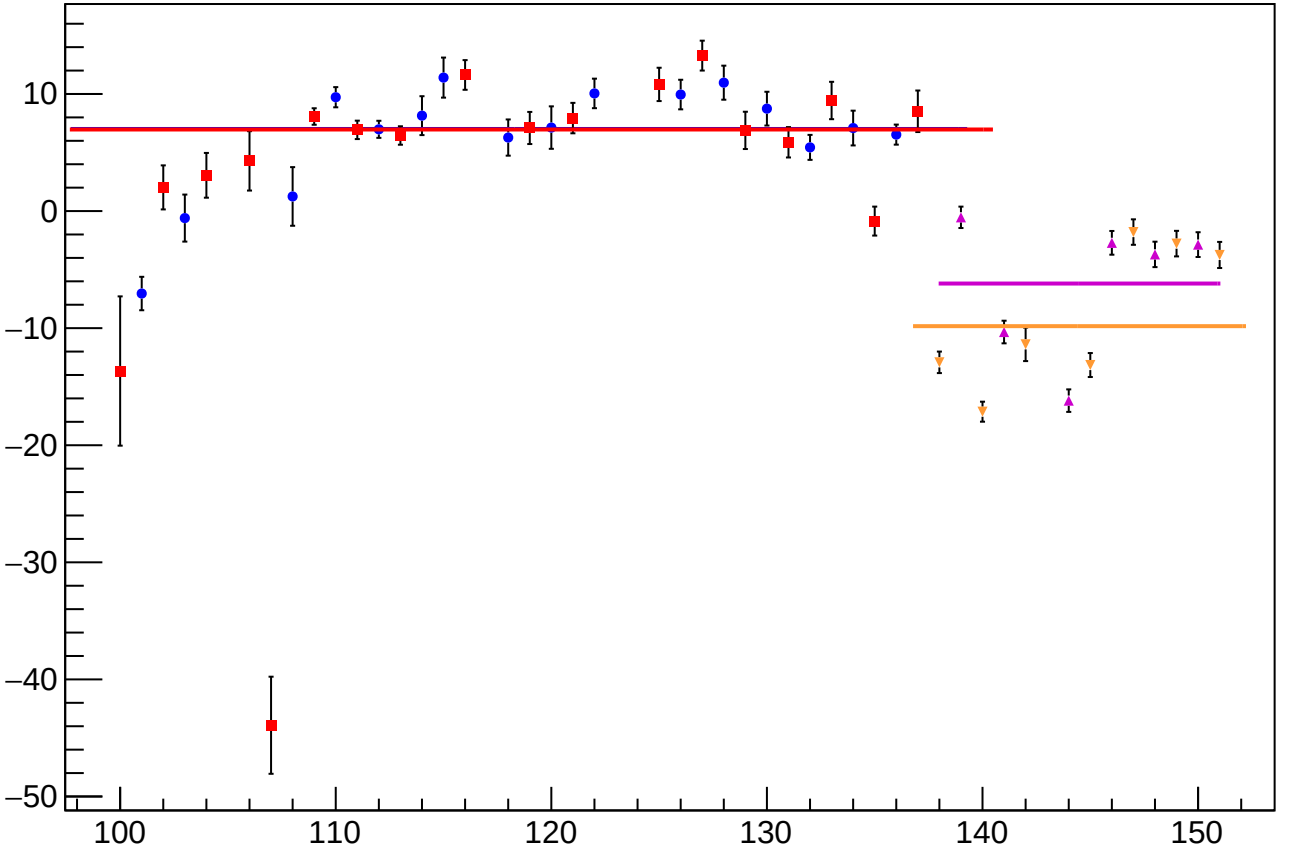
Left In: -43.278+/-0.025 χ^2/NDF:71850.1/5

+ sign -42.350+/-0.019 χ^2/NDF: 113053.4/22

All: -42.469+/-0.014 χ^2/NDF: 223505.9/46

- sign -42.591+/-0.019 χ^2/NDF: 110372.9/23

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -9.830+/-0.393 χ^2/NDF:222.0/6

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

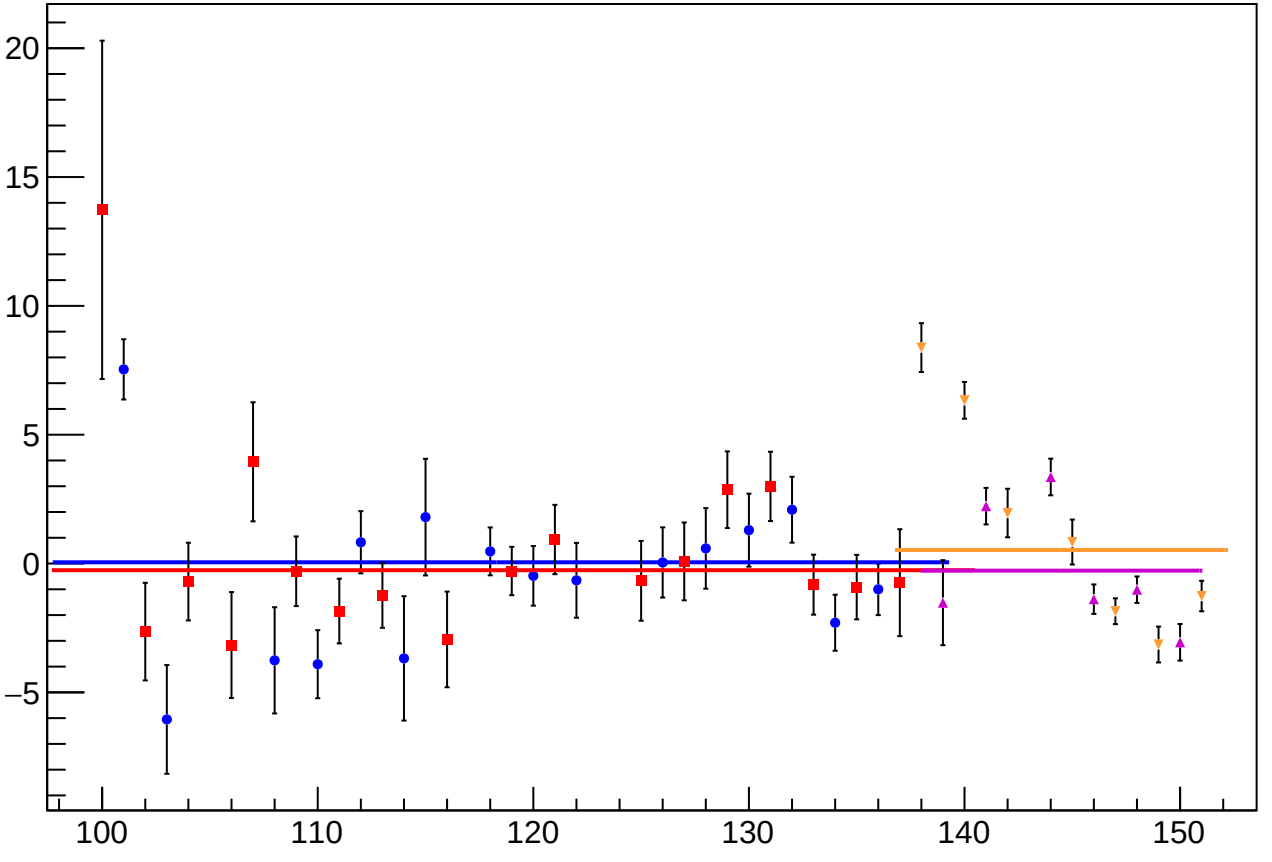
Left In: -6.190+/-0.406 χ^2/NDF:191.7/5

+ sign 0.565+/-0.243 χ^2/NDF: 1513.4/22

All: 1.471+/-0.171 χ^2/NDF: 2680.6/46

- sign 2.358+/-0.240 χ^2/NDF: 1139.7/23

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 0.048+/-0.331 χ^2/NDF: 75.0/15

Left Out: 0.526+/-0.263 χ^2/NDF:196.8/6

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

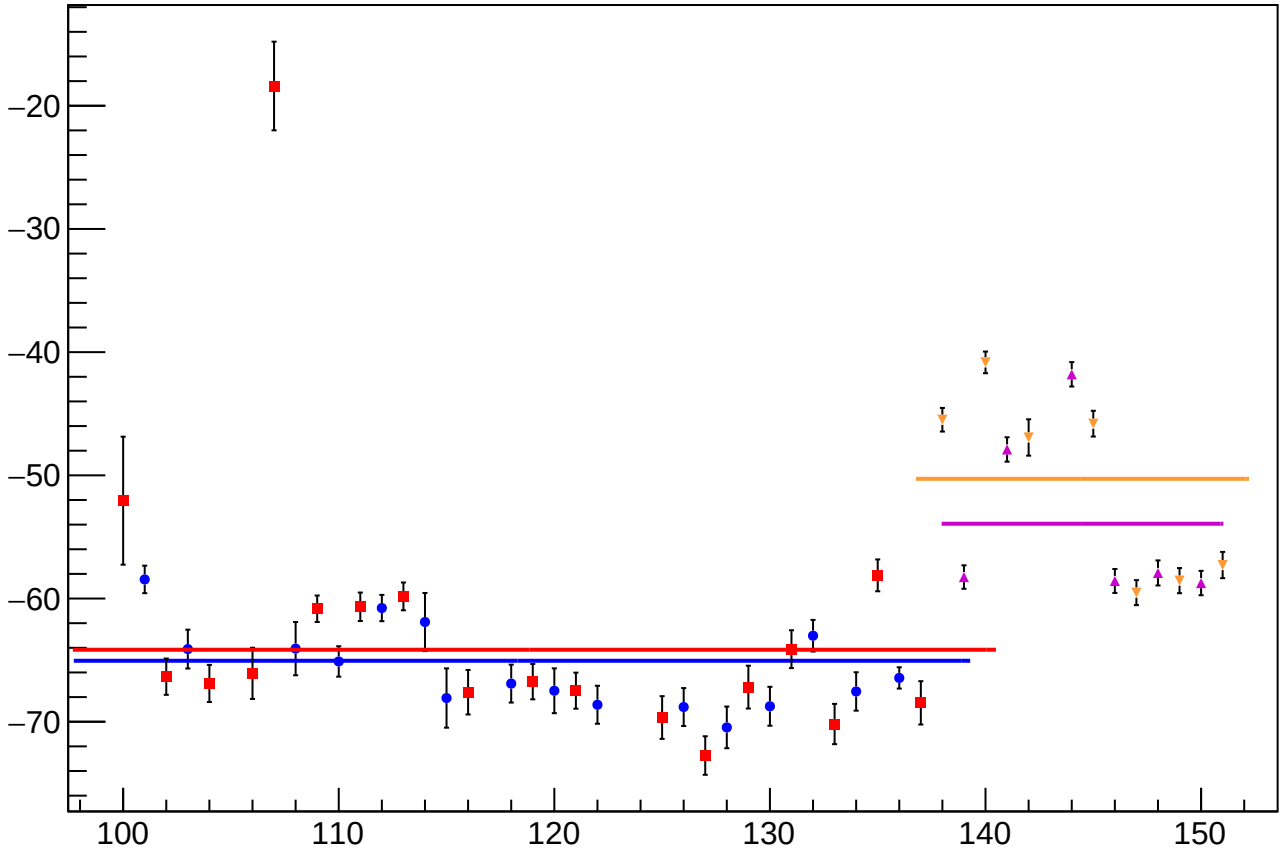
Left In: -0.275+/-0.276 χ^2/NDF:60.3/5

+ sign 0.341+/-0.206 χ^2/NDF: 273.1/22

All: 0.049+/-0.149 χ^2/NDF: 365.1/46

- sign -0.269+/-0.215 χ^2/NDF: 87.8/23

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -65.051+/-0.354 χ^2/NDF: 92.8/15

Left Out: -50.281+/-0.390 χ^2/NDF:355.8/6

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

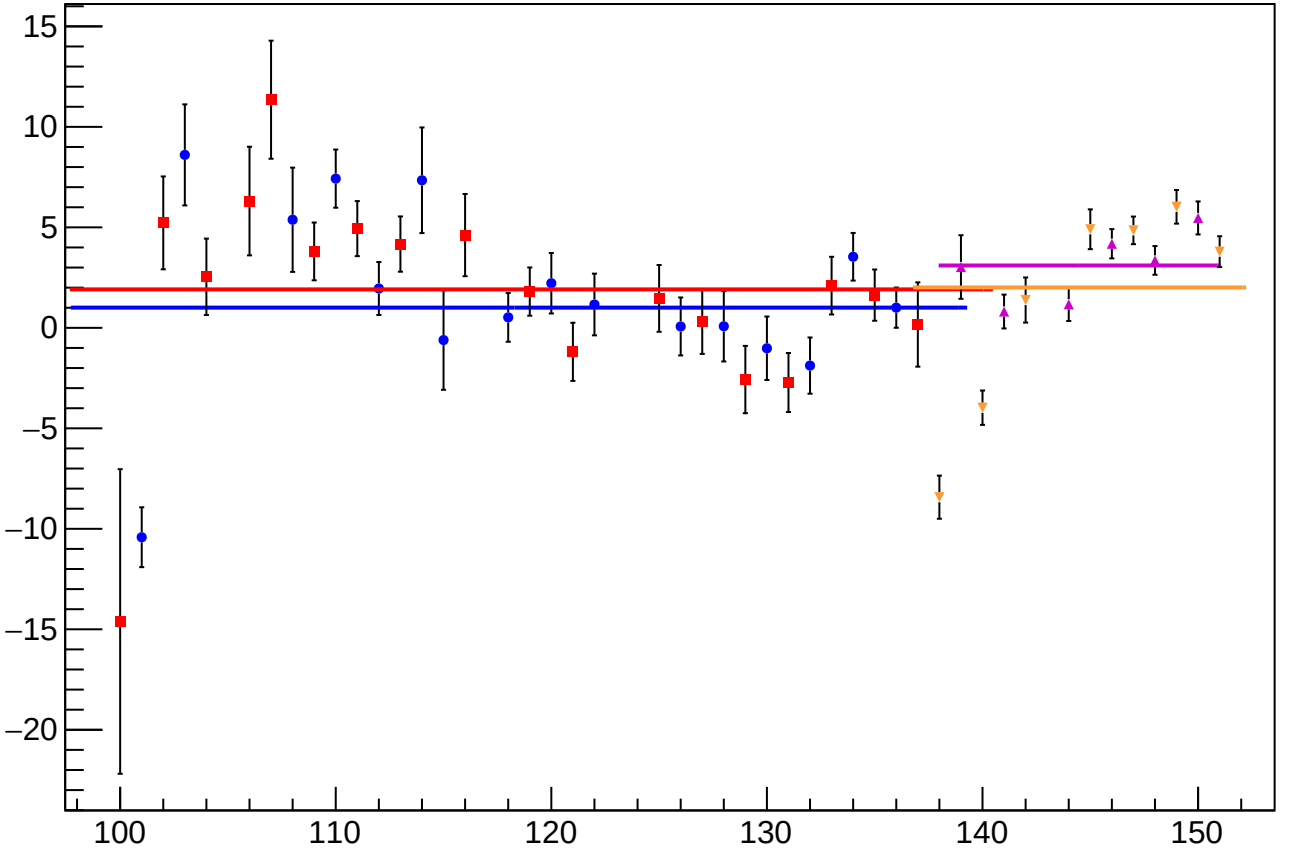
Left In: -53.928+/-0.402 χ^2/NDF:269.7/5

+ sign -58.382+/-0.262 χ^2/NDF: 1234.7/22

All: -58.975+/-0.188 χ^2/NDF: 2177.5/46

- sign -59.596+/-0.268 χ^2/NDF: 932.3/23

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 1.006+/-0.376 χ^2/NDF: 109.2/15

Left Out: 2.008+/-0.328 χ^2/NDF:198.1/6

Right Out: 1.914+/-0.390 χ^2/NDF: 54.5/17

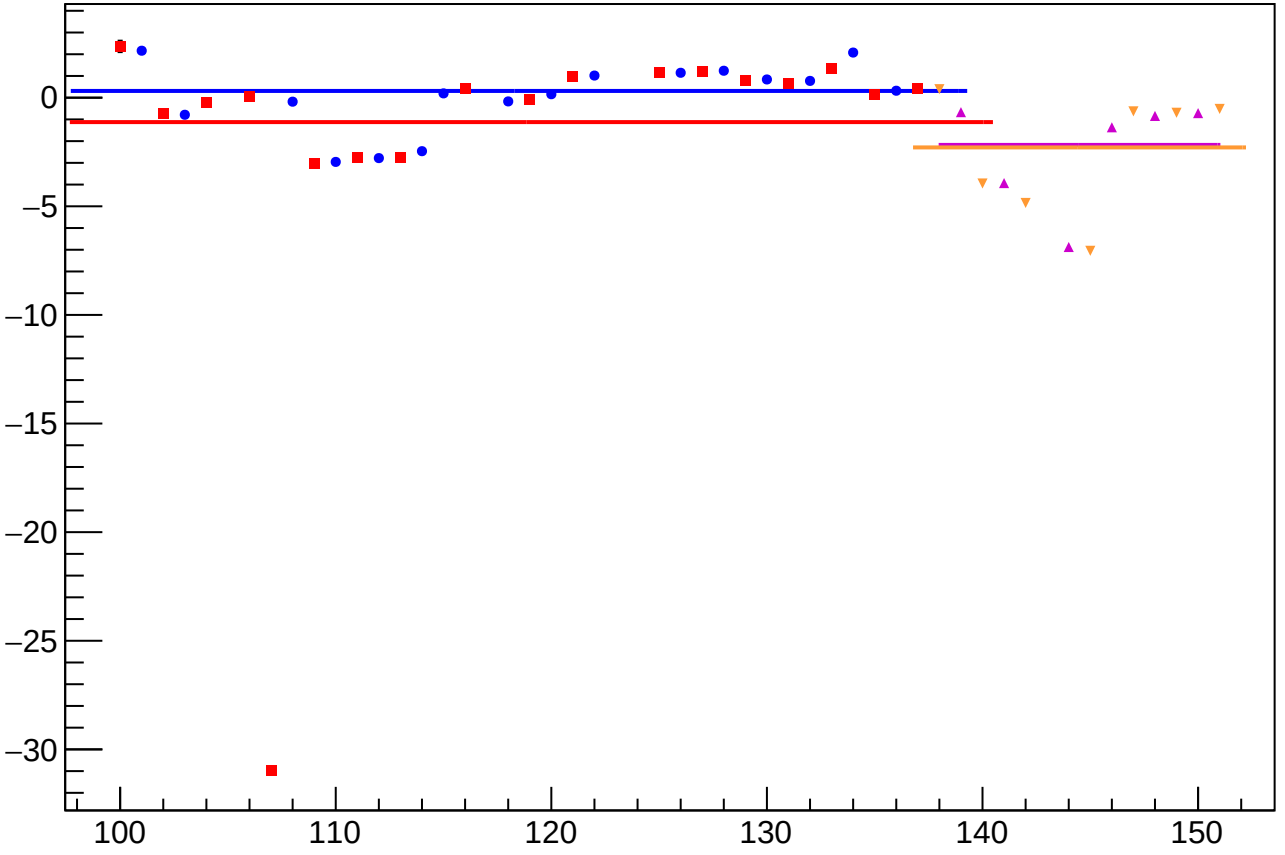
Left In: 3.103+/-0.341 χ^2/NDF:23.4/5

+ sign 1.575+/-0.247 χ^2/NDF: 311.4/22

All: 2.061+/-0.178 χ^2/NDF: 402.6/46

- sign 2.587+/-0.257 χ^2/NDF: 83.2/23

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: -2.290+/-0.016 χ^2/NDF:26496.6/6

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

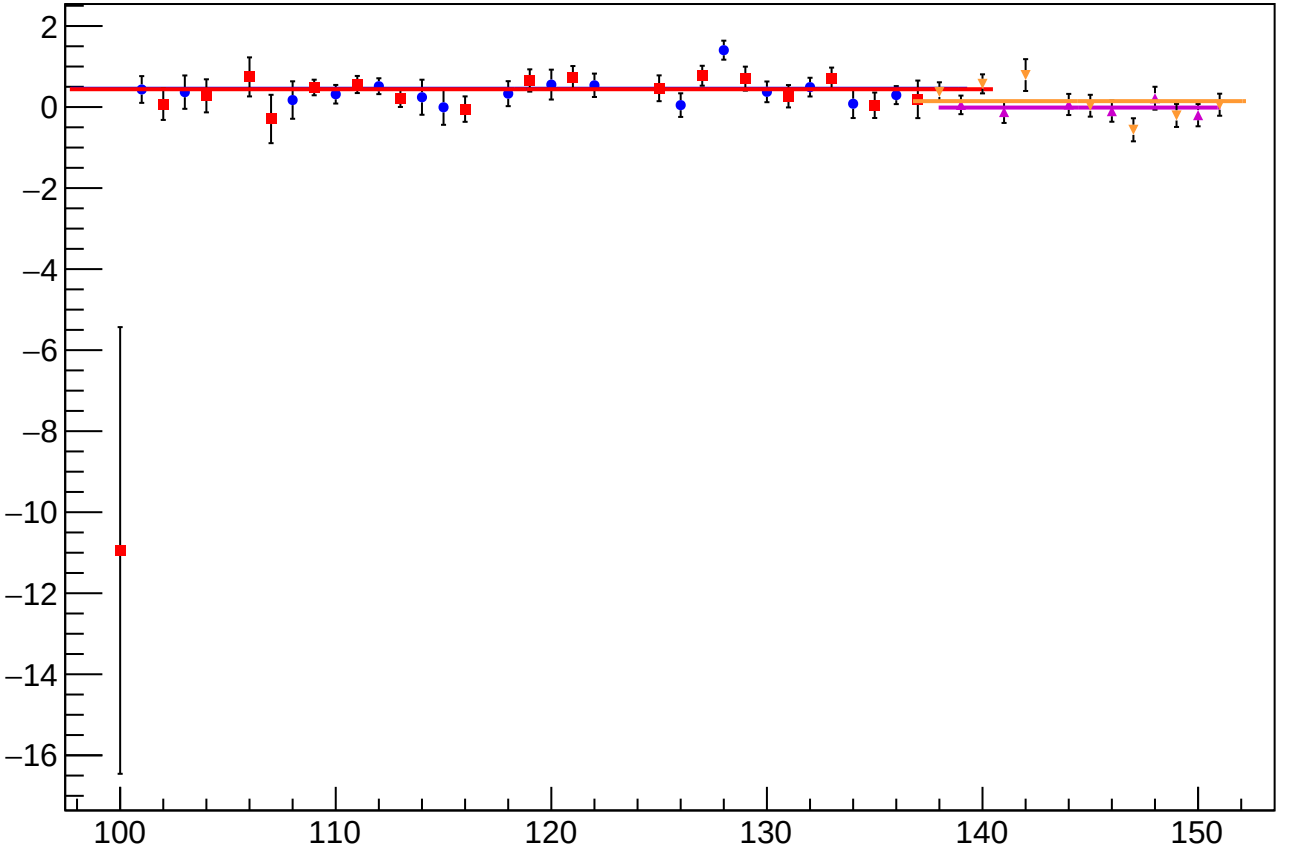
Left In: -2.174+/-0.016 χ^2/NDF:17867.7/5

+ sign -1.328+/-0.013 χ^2/NDF: 40945.2/22

All: -1.562+/-0.009 χ^2/NDF: 107296.0/46

- sign -1.807+/-0.013 χ^2/NDF: 65669.3/23

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.146+/-0.103 χ^2/NDF:14.9/6

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

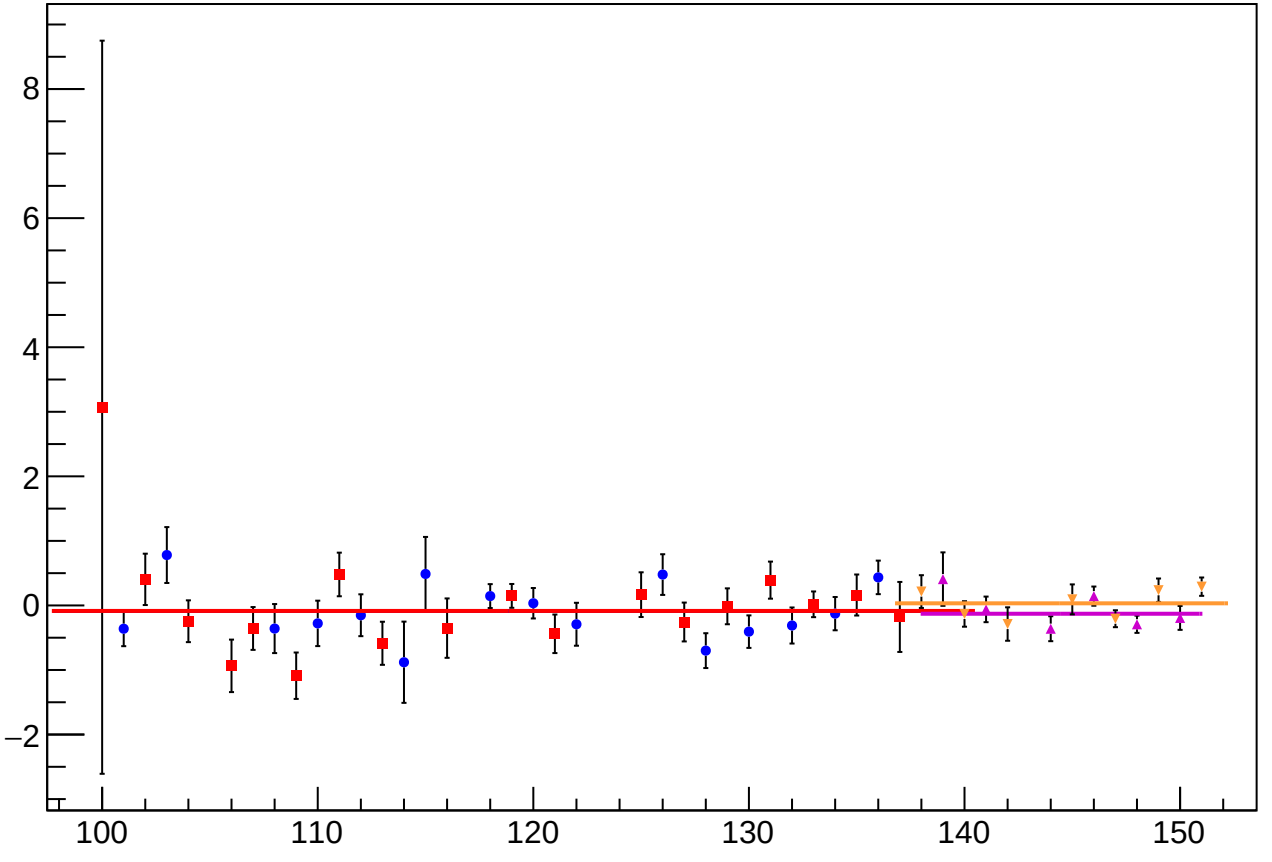
Left In: -0.013+/-0.107 χ^2/NDF:1.6/5

+ sign 0.353+/-0.059 χ^2/NDF: 43.5/22

All: 0.329+/-0.041 χ^2/NDF: 76.6/46

- sign 0.305+/-0.058 χ^2/NDF: 32.8/23

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: 0.033+/-0.069 χ^2/NDF:10.7/6

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

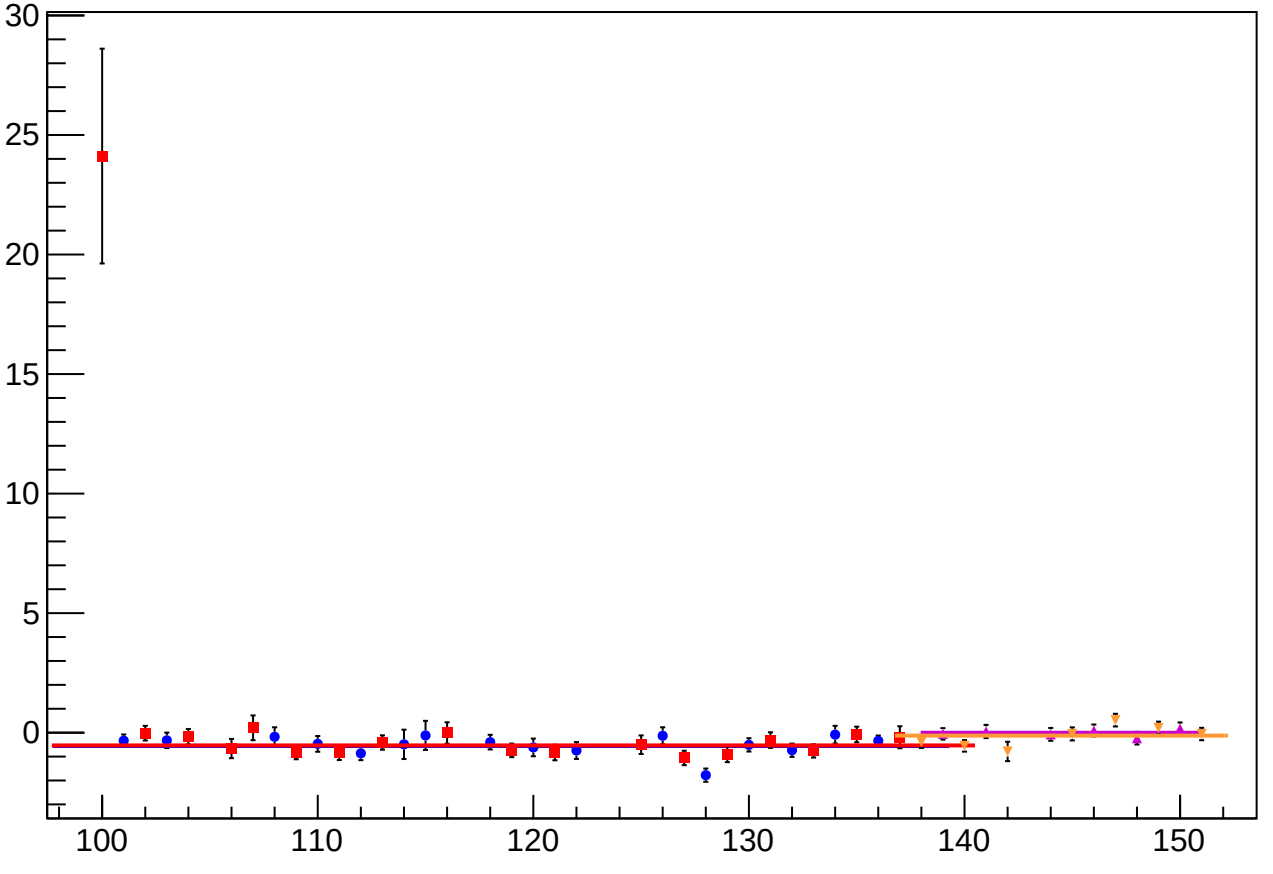
Left In: -0.129+/-0.073 χ^2/NDF:8.2/5

+ sign -0.023+/-0.050 χ^2/NDF: 37.5/22

All: -0.064+/-0.036 χ^2/NDF: 75.1/46

- sign -0.107+/-0.052 χ^2/NDF: 36.3/23

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.558+/-0.080 χ^2/NDF: 28.3/15

Left Out: -0.123+/-0.102 χ^2/NDF:14.5/6

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

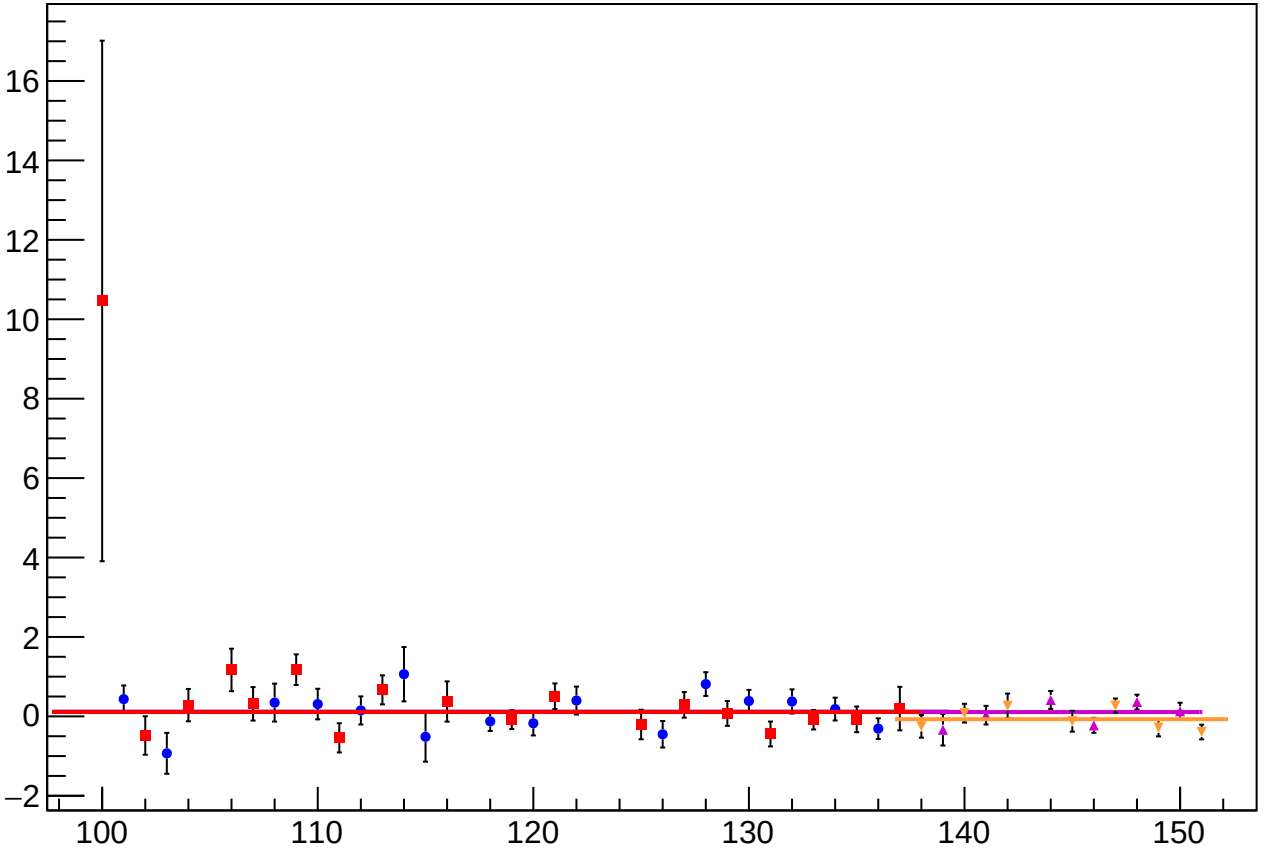
Left In: -0.005+/-0.106 χ^2/NDF:1.5/5

+ sign -0.394+/-0.063 χ^2/NDF: 54.1/22

All: -0.367+/-0.045 χ^2/NDF: 121.0/46

- sign -0.339+/-0.064 χ^2/NDF: 66.5/23

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.118+/-0.084 χ^2/NDF: 23.6/15

Left Out: -0.072+/-0.086 χ^2/NDF:9.7/6

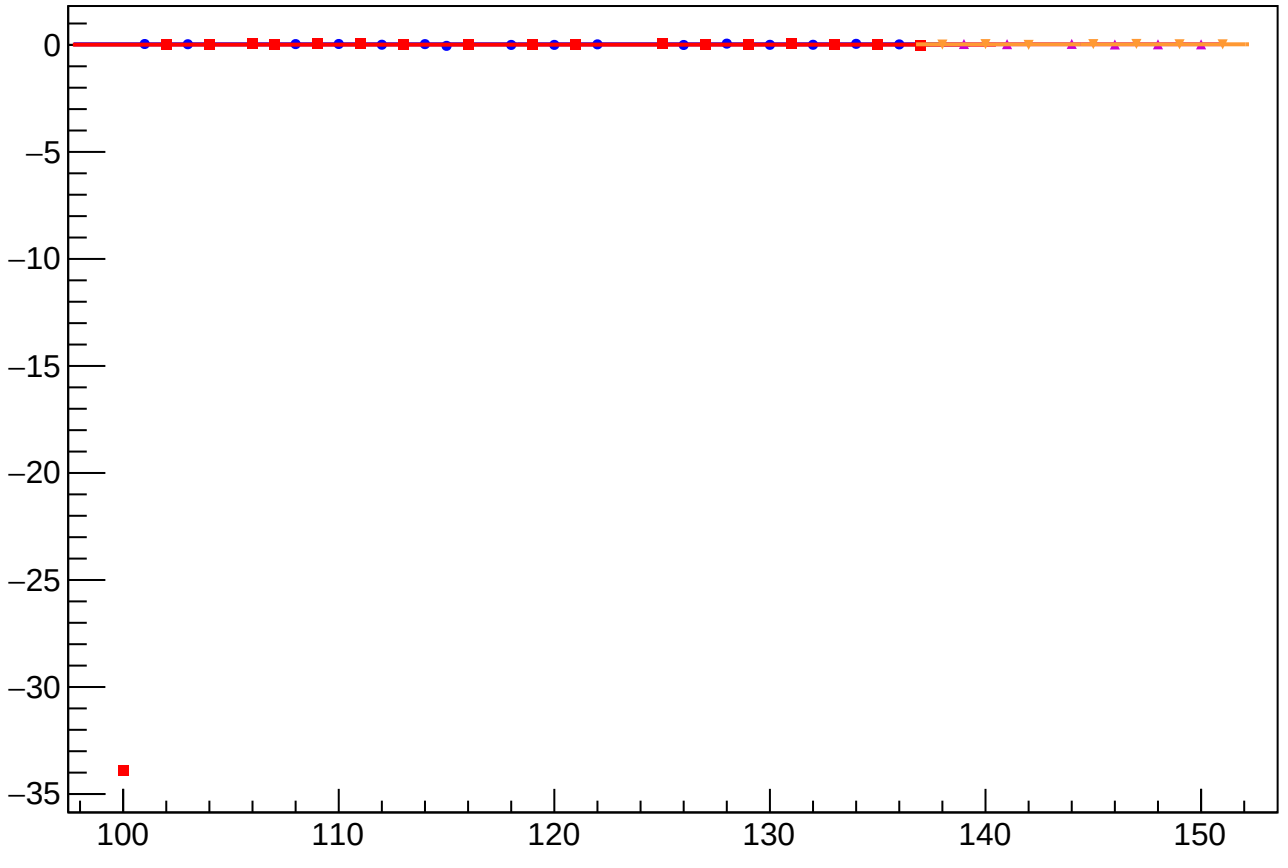
Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

Left In: 0.109+/-0.090 χ^2/NDF:8.2/5

\+ sign 0.025+/-0.060 χ^2/NDF: 35.8/22

All: 0.066+/-0.043 χ^2/NDF: 74.0/46

\- sign 0.110+/-0.062 χ^2/NDF: 37.2/23



Right In: 0.027+/-0.005 χ^2/NDF: 14.7/15

Left Out: 0.028+/-0.004 χ^2/NDF:7.4/6

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

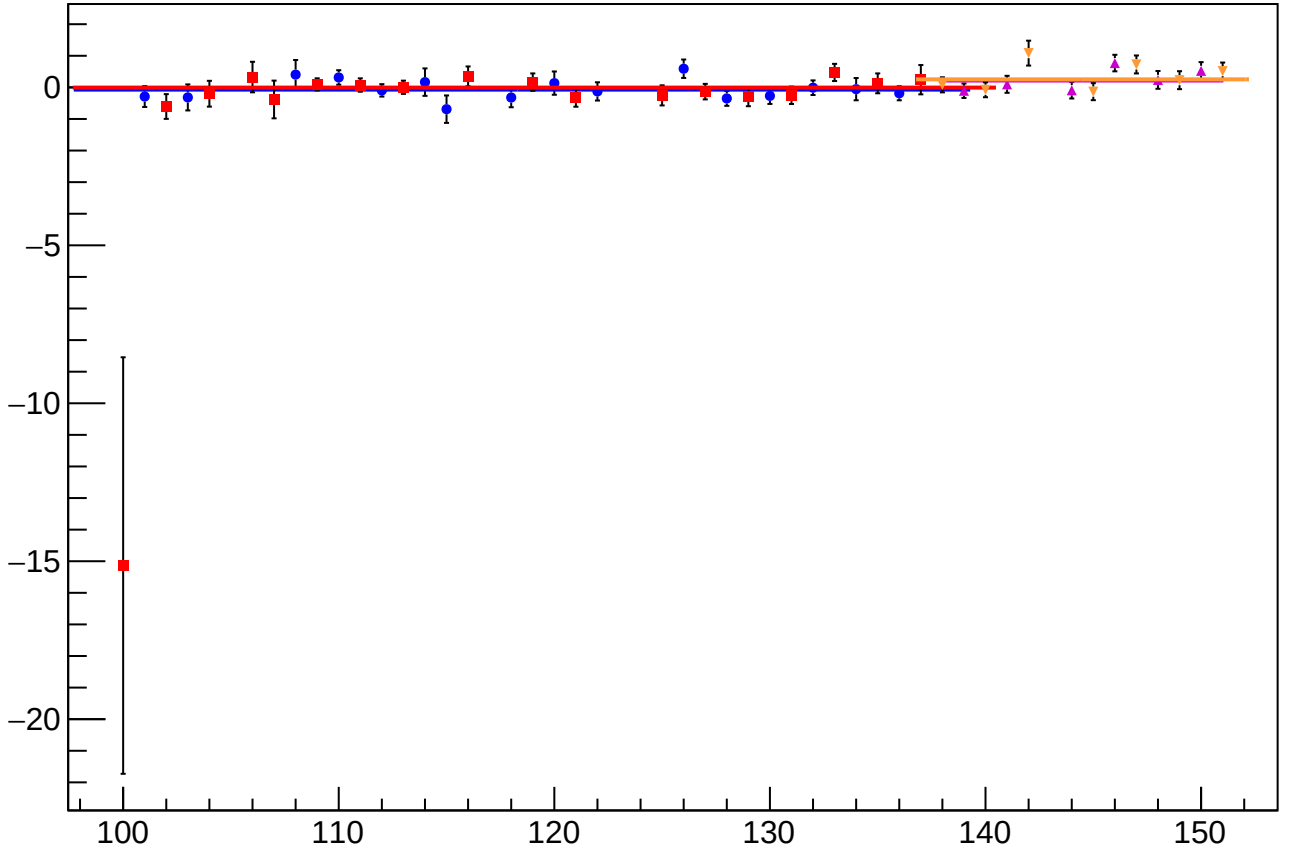
Left In: 0.034+/-0.004 χ^2/NDF:4.6/5

+ sign 0.028+/-0.003 χ^2/NDF: 22.0/22

All: 0.026+/-0.002 χ^2/NDF: 22300.9/46

- sign 0.024+/-0.003 χ^2/NDF: 22278.4/23

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.254+/-0.103 χ^2/NDF:12.7/6

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

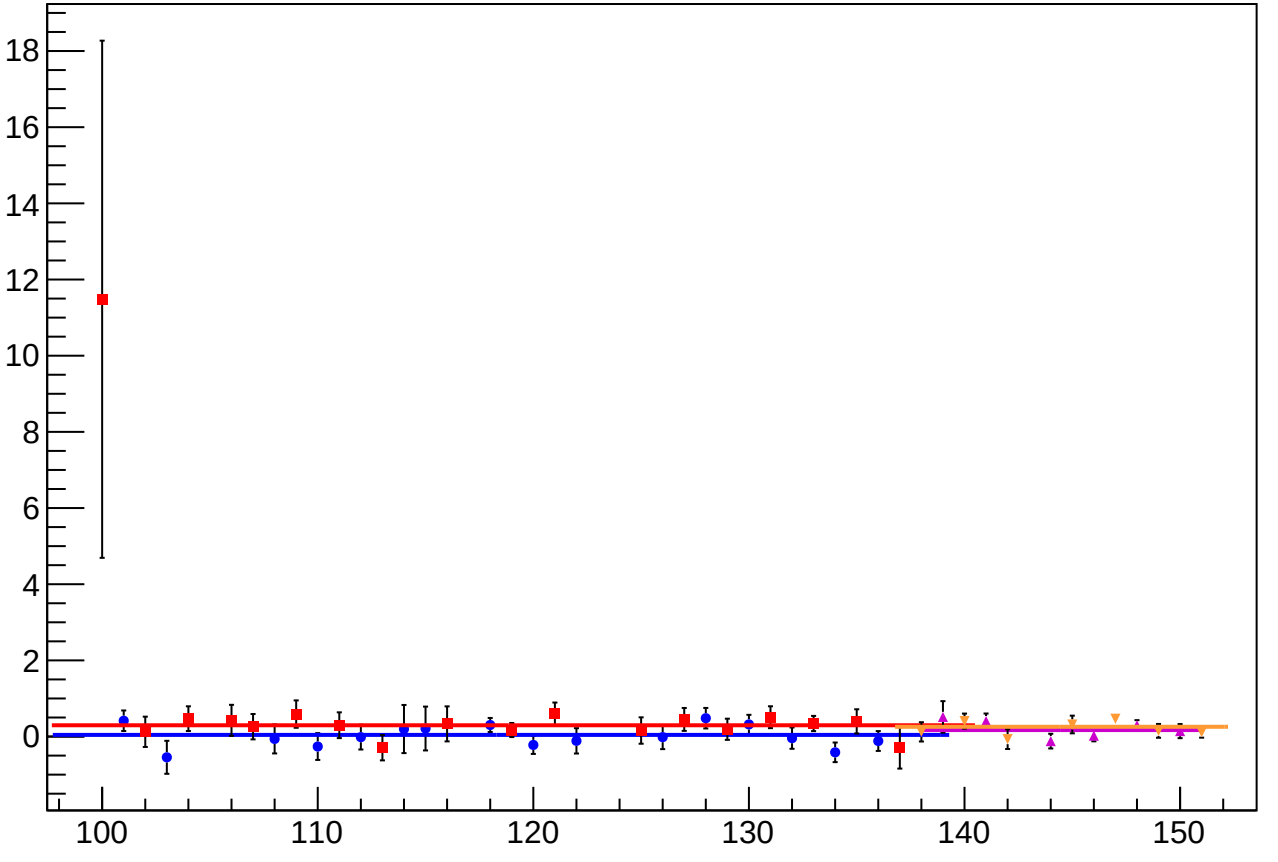
Left In: 0.217+/-0.107 χ^2/NDF:9.3/5

+ sign 0.035+/-0.059 χ^2/NDF: 34.9/22

All: 0.047+/-0.041 χ^2/NDF: 65.5/46

- sign 0.060+/-0.058 χ^2/NDF: 30.5/23

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.257+/-0.069 χ^2/NDF:6.4/6

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

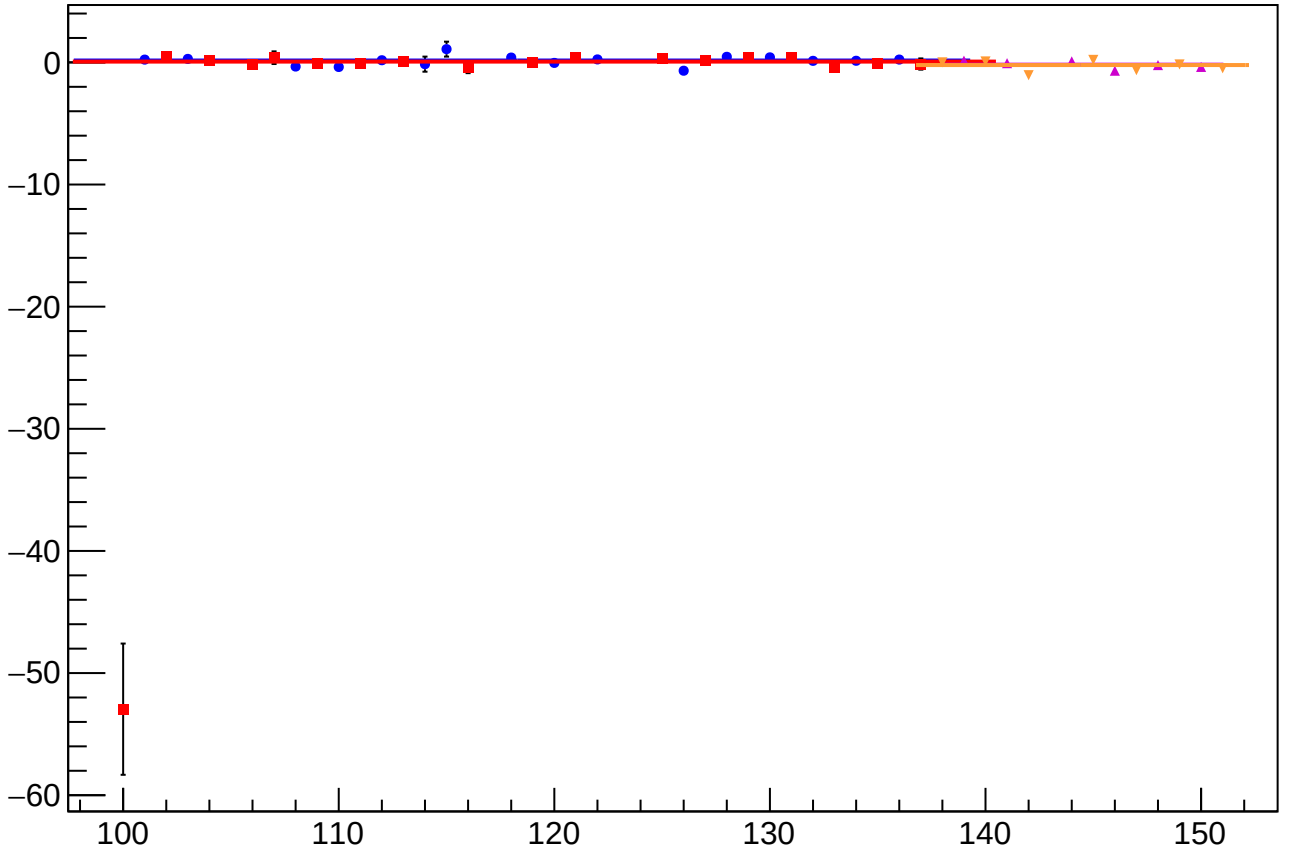
Left In: 0.170+/-0.073 χ^2/NDF:6.3/5

+ sign 0.157+/-0.050 χ^2/NDF: 26.7/22

All: 0.193+/-0.036 χ^2/NDF: 46.5/46

- sign 0.233+/-0.052 χ^2/NDF: 18.8/23

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.218+/-0.102 χ^2/NDF:12.4/6

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

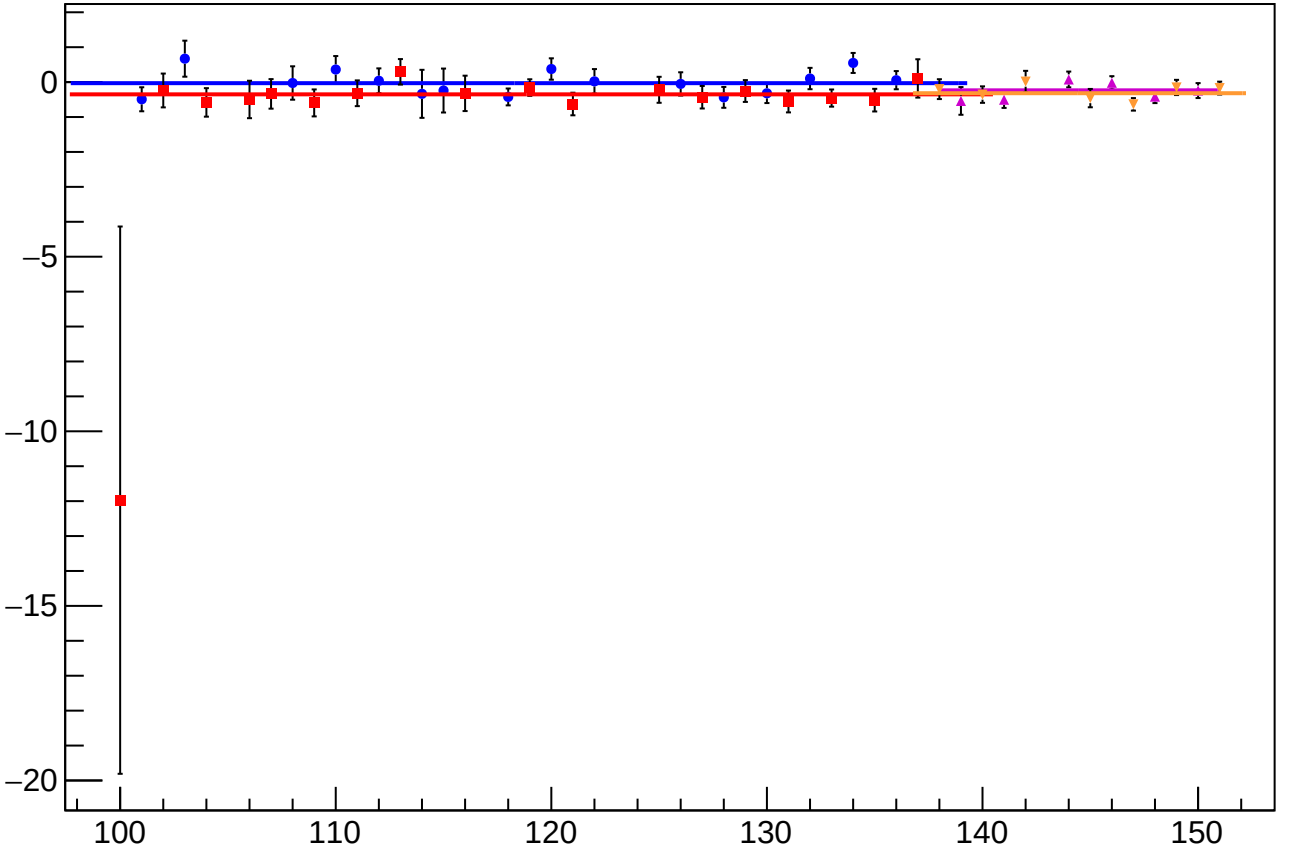
Left In: -0.186+/-0.105 χ^2/NDF:7.5/5

+ sign 0.013+/-0.063 χ^2/NDF: 36.2/22

All: -0.007+/-0.045 χ^2/NDF: 156.8/46

- sign -0.027+/-0.064 χ^2/NDF: 120.4/23

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.030+/-0.084 χ^2/NDF: 16.8/15

Left Out: -0.318+/-0.086 χ^2/NDF:6.0/6

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

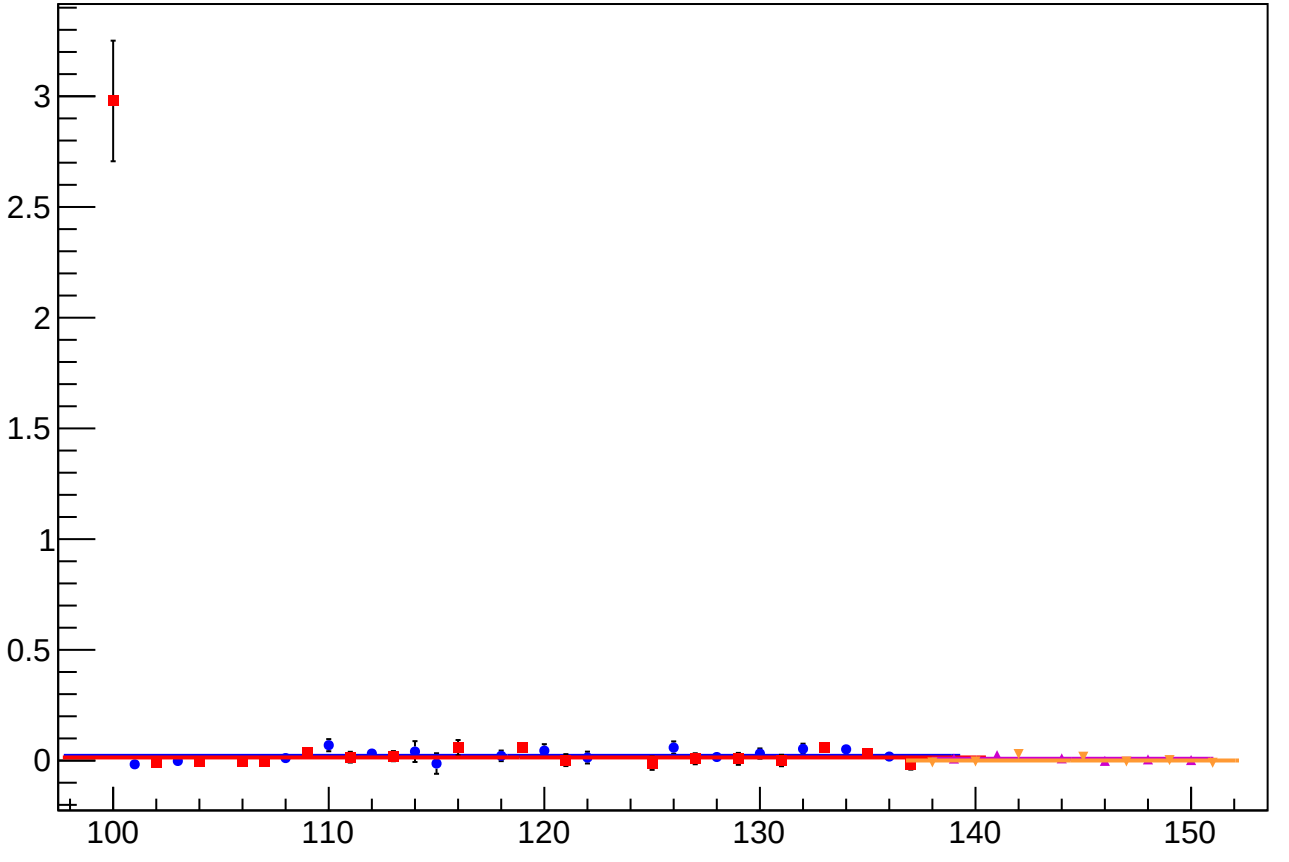
Left In: -0.236+/-0.090 χ^2/NDF:6.1/5

+ sign -0.171+/-0.060 χ^2/NDF: 28.5/22

All: -0.232+/-0.043 χ^2/NDF: 47.0/46

- sign -0.297+/-0.062 χ^2/NDF: 16.4/23

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: 0.021+/-0.005 χ^2/NDF: 22.5/15

Left Out: 0.000+/-0.004 χ^2/NDF:7.7/6

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

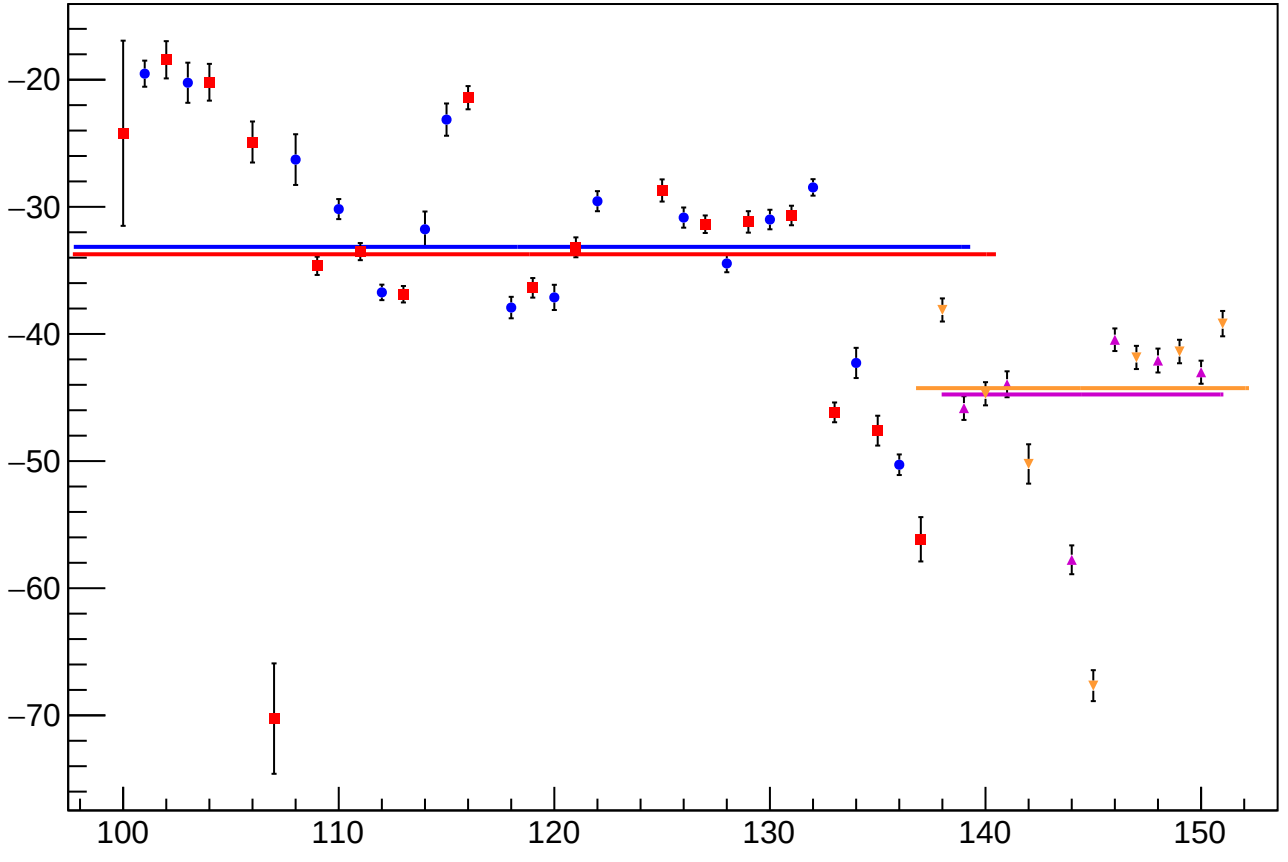
Left In: 0.008+/-0.004 χ^2/NDF:3.3/5

+ sign 0.009+/-0.003 χ^2/NDF: 40.9/22

All: 0.010+/-0.002 χ^2/NDF: 186.0/46

- sign 0.011+/-0.003 χ^2/NDF: 145.0/23

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -44.261+/-0.381 χ^2/NDF:472.9/6

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

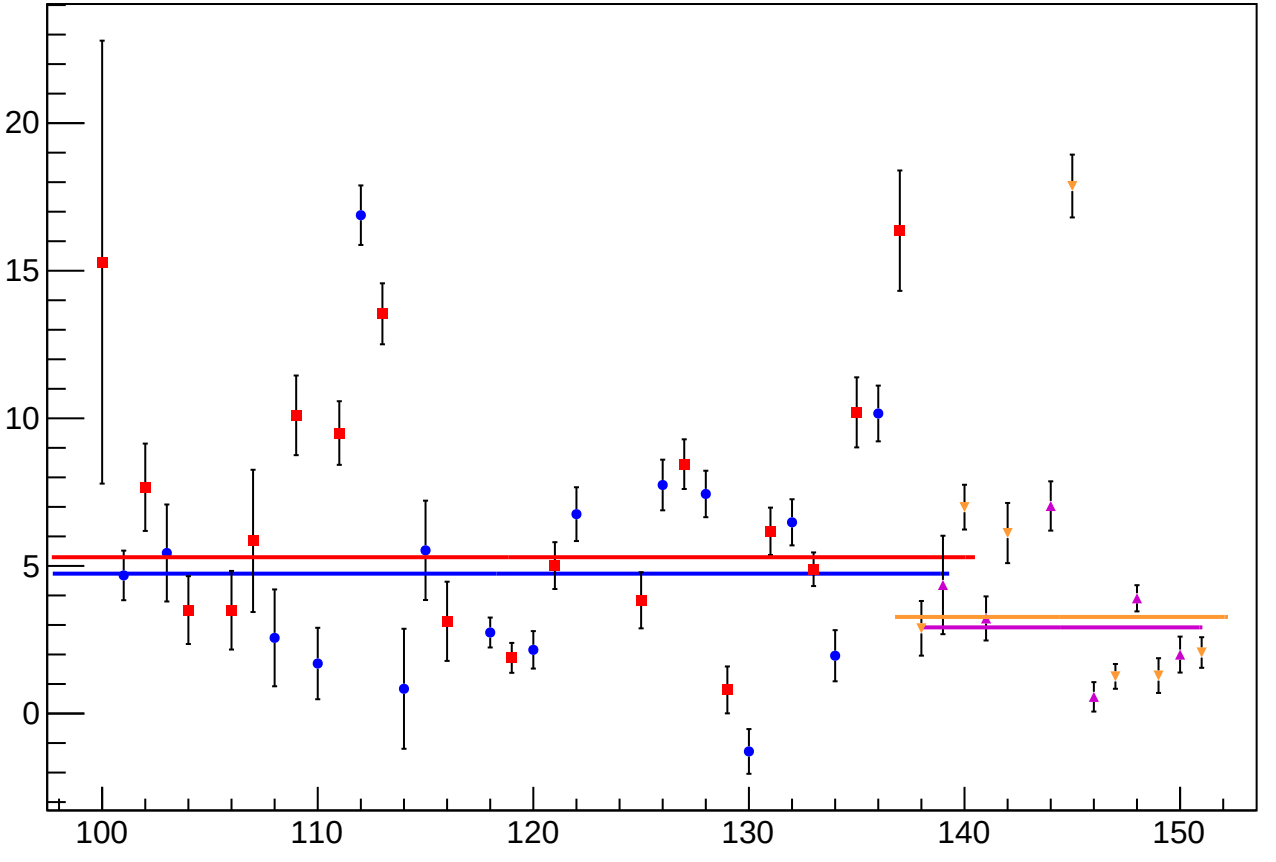
Left In: -44.759+/-0.392 χ^2/NDF:168.7/5

+ sign -35.887+/-0.189 χ^2/NDF: 2127.5/22

All: -36.082+/-0.134 χ^2/NDF: 4054.7/46

- sign -36.275+/-0.188 χ^2/NDF: 1925.2/23

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 3.272+/-0.242 χ^2/NDF:260.0/6

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

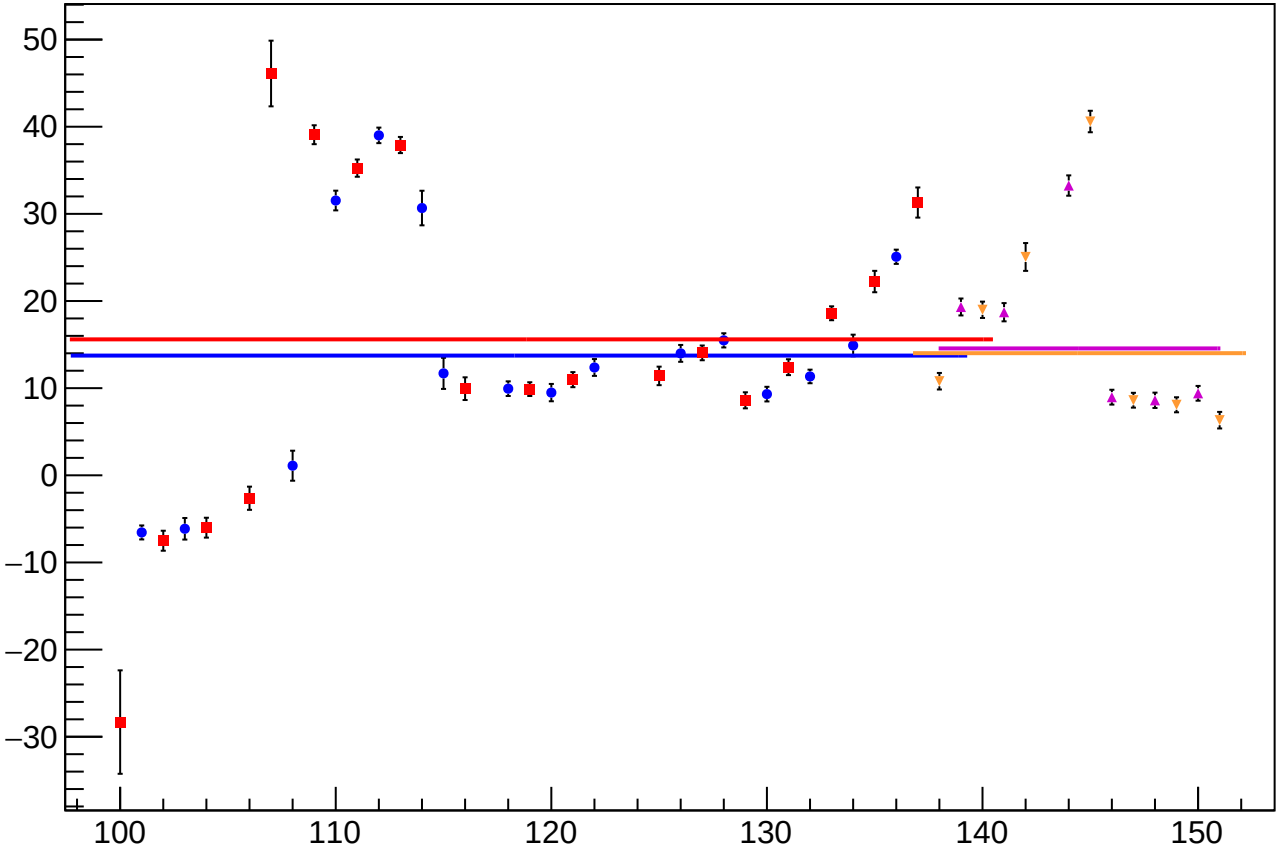
Left In: 2.919+/-0.255 χ^2/NDF:54.7/5

\+ sign 4.078+/-0.163 χ^2/NDF: 609.8/22

All: 4.168+/-0.117 χ^2/NDF: 959.2/46

\- sign 4.263+/-0.168 χ^2/NDF: 348.8/23

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 14.015+/-0.374 χ^2/NDF:705.7/6

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

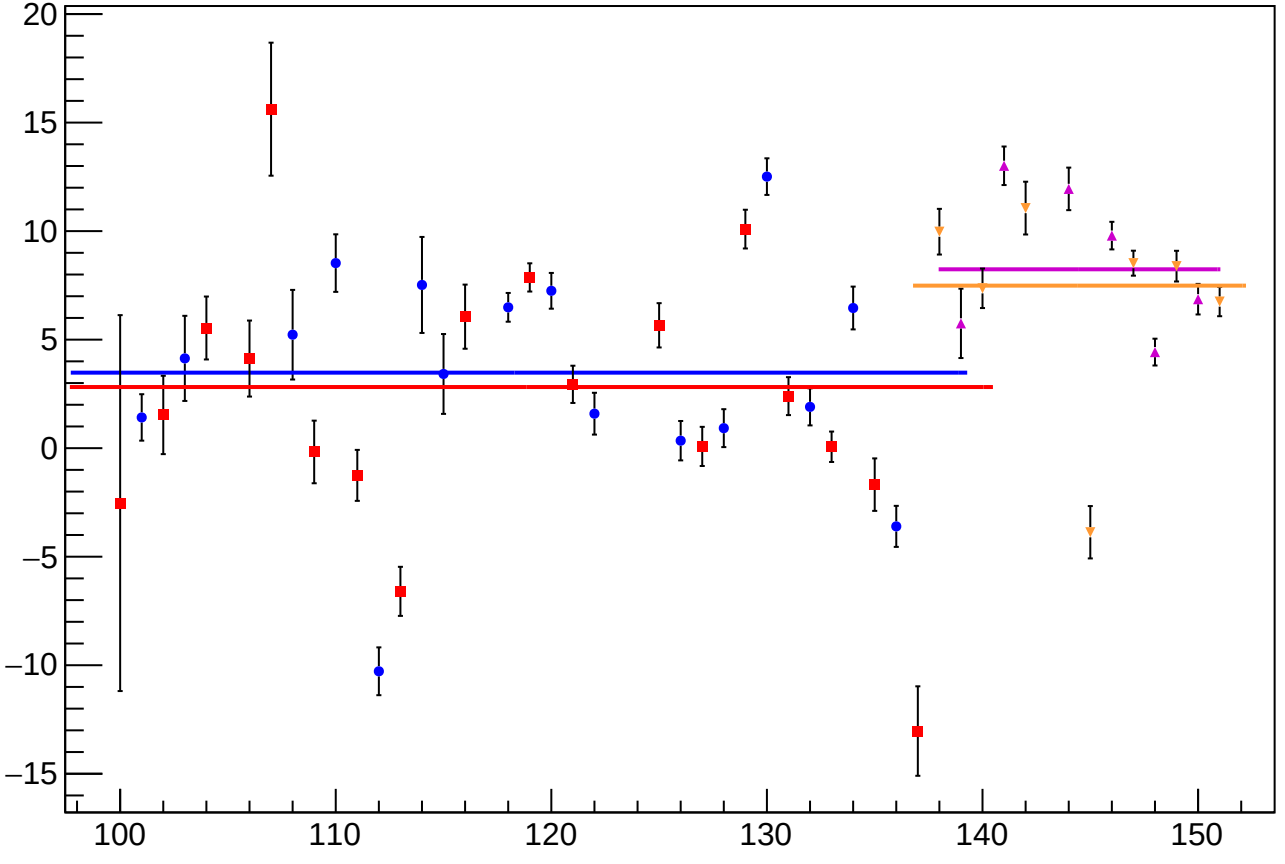
Left In: 14.560+/-0.384 χ^2/NDF:422.0/5

\+ sign 13.822+/-0.206 χ^2/NDF: 3055.9/22

All: 14.543+/-0.147 χ^2/NDF: 6334.2/46

\- sign 15.290+/-0.210 χ^2/NDF: 3253.4/23

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 7.488+/-0.306 χ^2/NDF:109.0/6

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

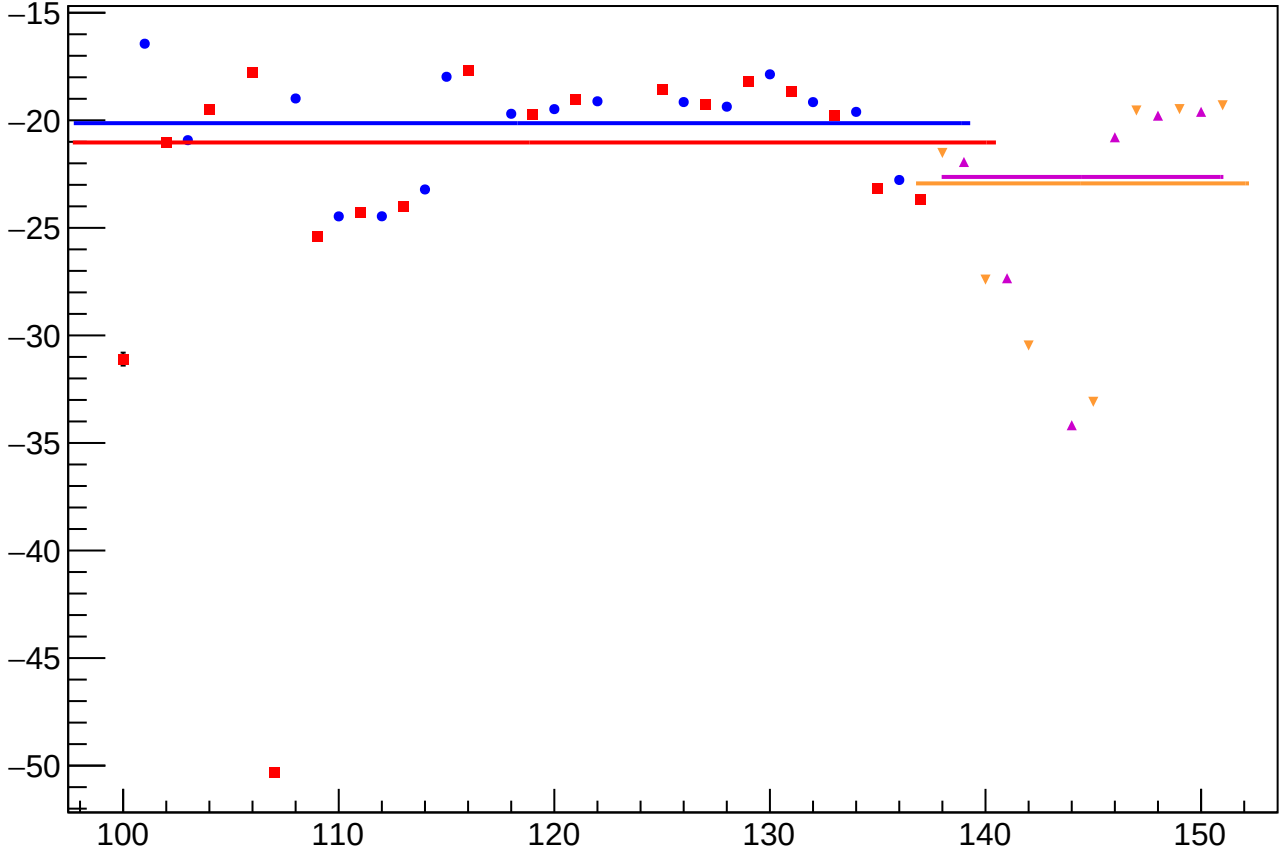
Left In: 8.241+/-0.319 χ^2/NDF:93.6/5

+ sign 5.114+/-0.195 χ^2/NDF: 638.4/22

All: 5.035+/-0.140 χ^2/NDF: 1252.7/46

- sign 4.953+/-0.200 χ^2/NDF: 613.9/23

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -20.133+/-0.016 χ^2/NDF: 19831.2/15

Left Out: -22.933+/-0.016 χ^2/NDF:96337.5/6

Right Out: -21.031+/-0.016 χ^2/NDF: 57523.6/17

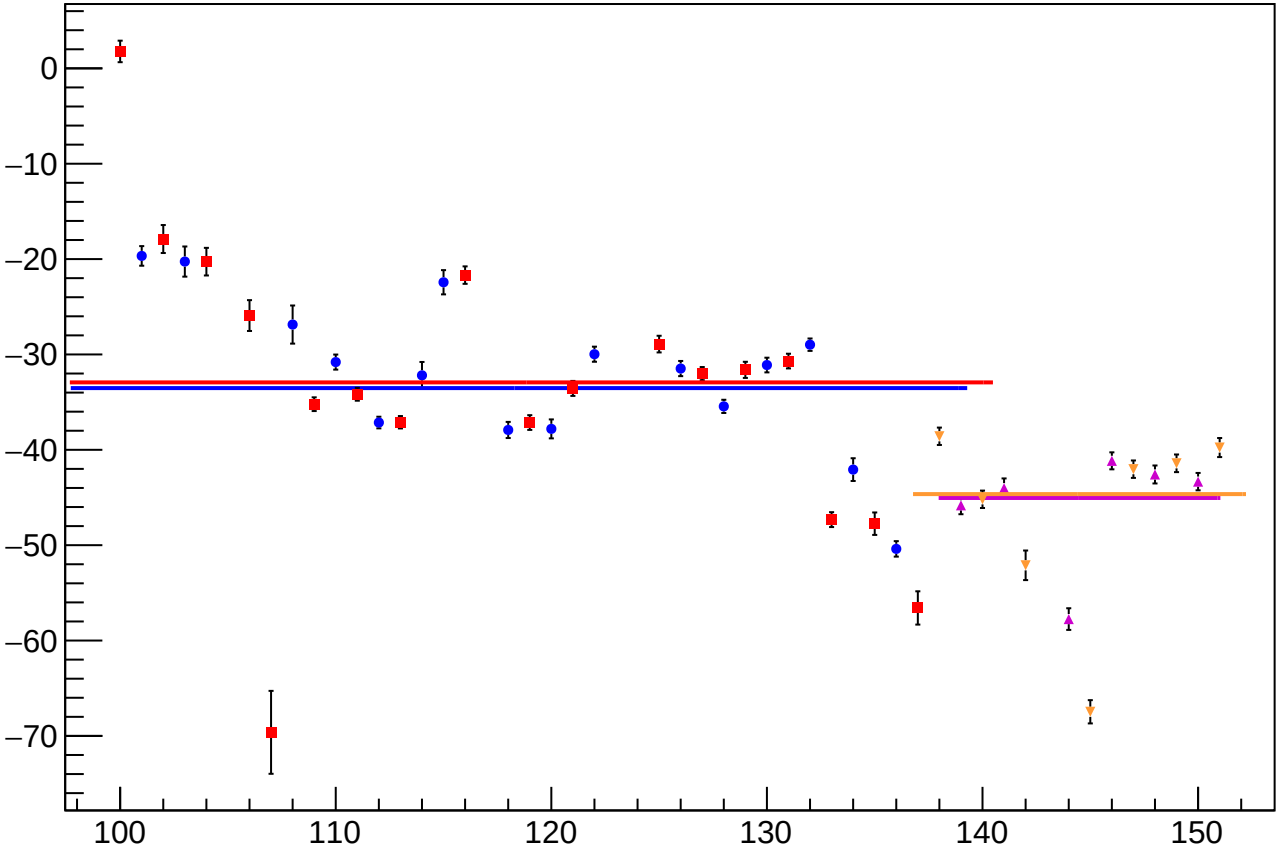
Left In: -22.632+/-0.016 χ^2/NDF:77627.5/5

+ sign -21.571+/-0.011 χ^2/NDF: 131864.4/22

All: -21.722+/-0.008 χ^2/NDF: 272386.4/46

- sign -21.876+/-0.011 χ^2/NDF: 140153.5/23

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -33.528+/-0.218 χ^2/NDF: 1008.7/15

Left Out: -44.644+/-0.382 χ^2/NDF:462.0/6

Right Out: -32.931+/-0.212 χ^2/NDF: 2170.0/17

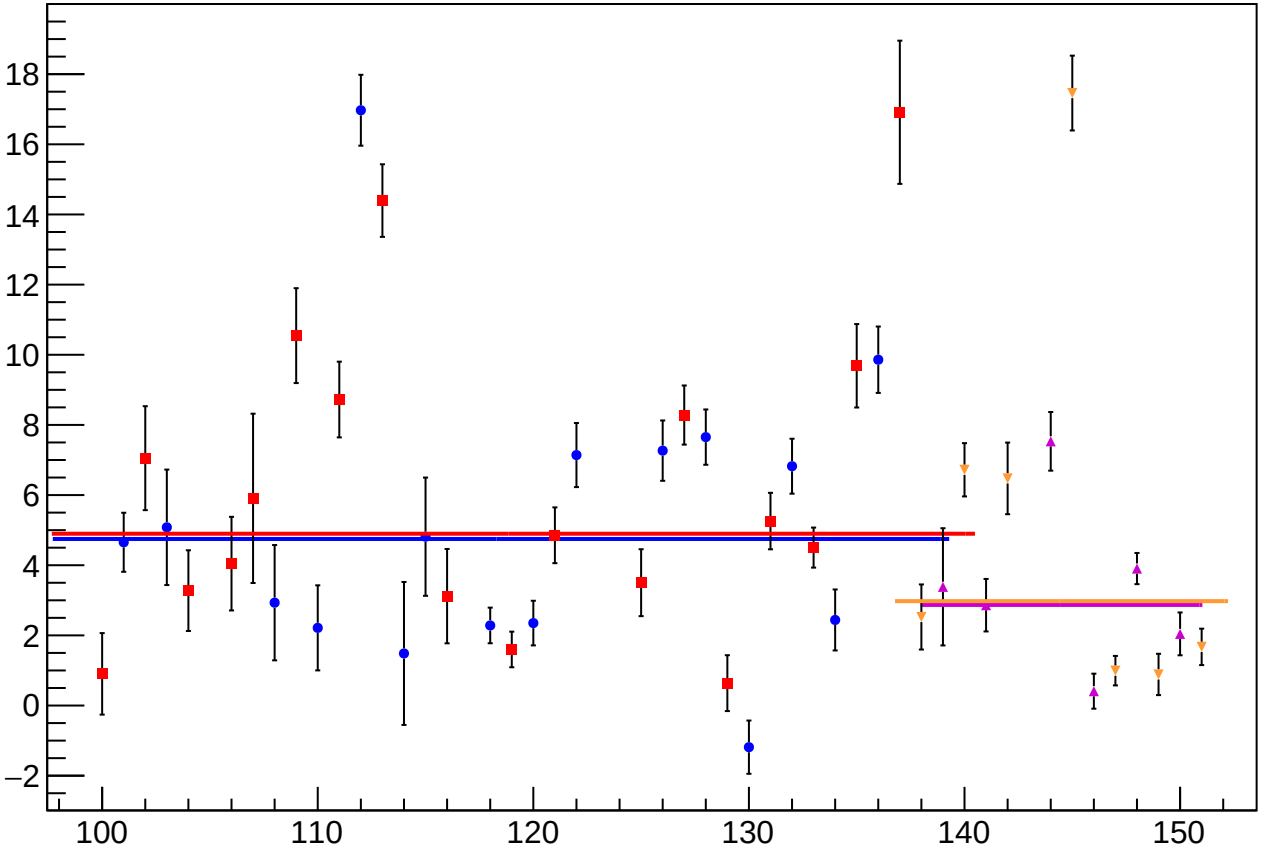
Left In: -45.050+/-0.393 χ^2/NDF:156.2/5

+ sign -36.269+/-0.190 χ^2/NDF: 2109.3/22

All: -35.956+/-0.133 χ^2/NDF: 5178.0/46

- sign -35.654+/-0.186 χ^2/NDF: 3063.4/23

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 2.976+/-0.243 χ^2/NDF:261.8/6

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

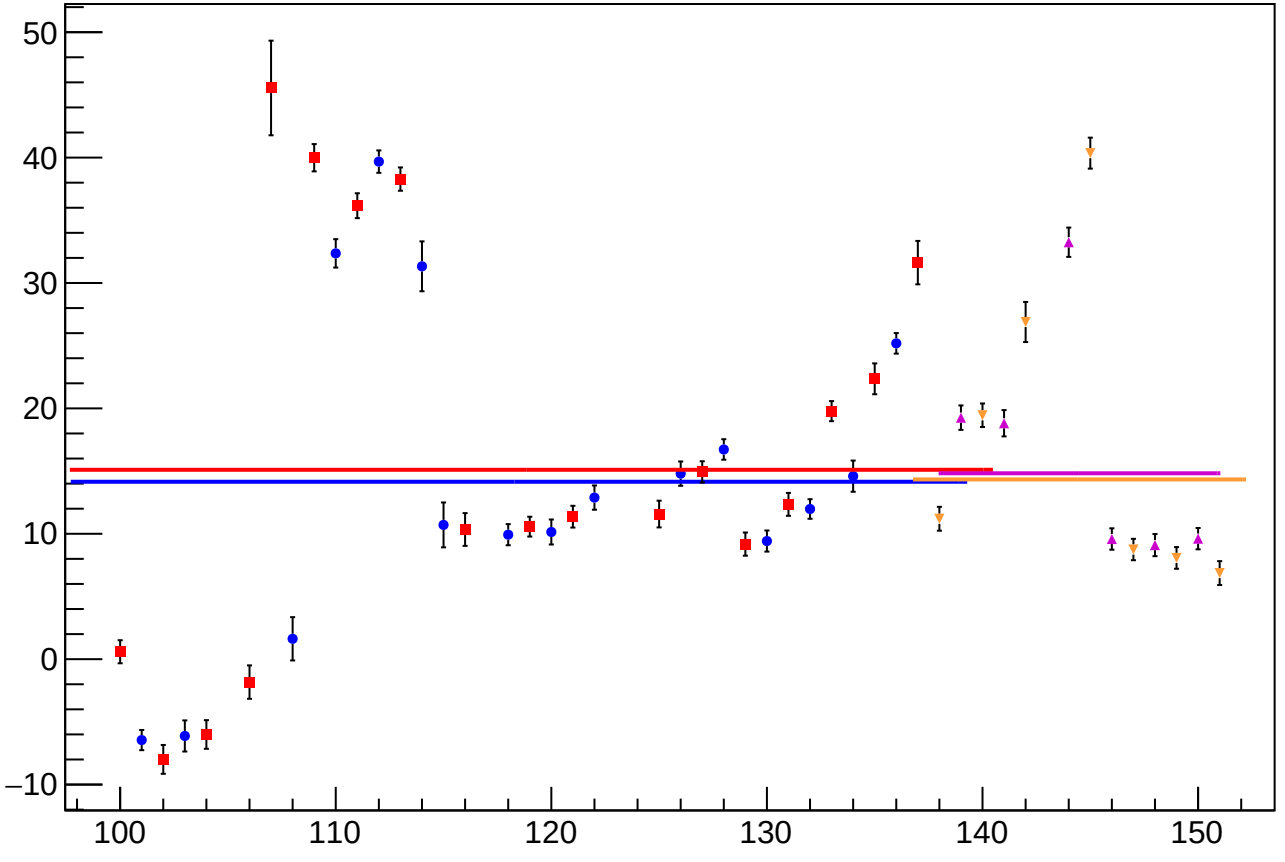
Left In: 2.868+/-0.255 χ^2/NDF:62.7/5

\+ sign 3.950+/-0.163 χ^2/NDF: 616.8/22

All: 3.991+/-0.116 χ^2/NDF: 989.0/46

\- sign 4.034+/-0.167 χ^2/NDF: 372.1/23

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 14.333+/-0.375 χ^2/NDF:703.2/6

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

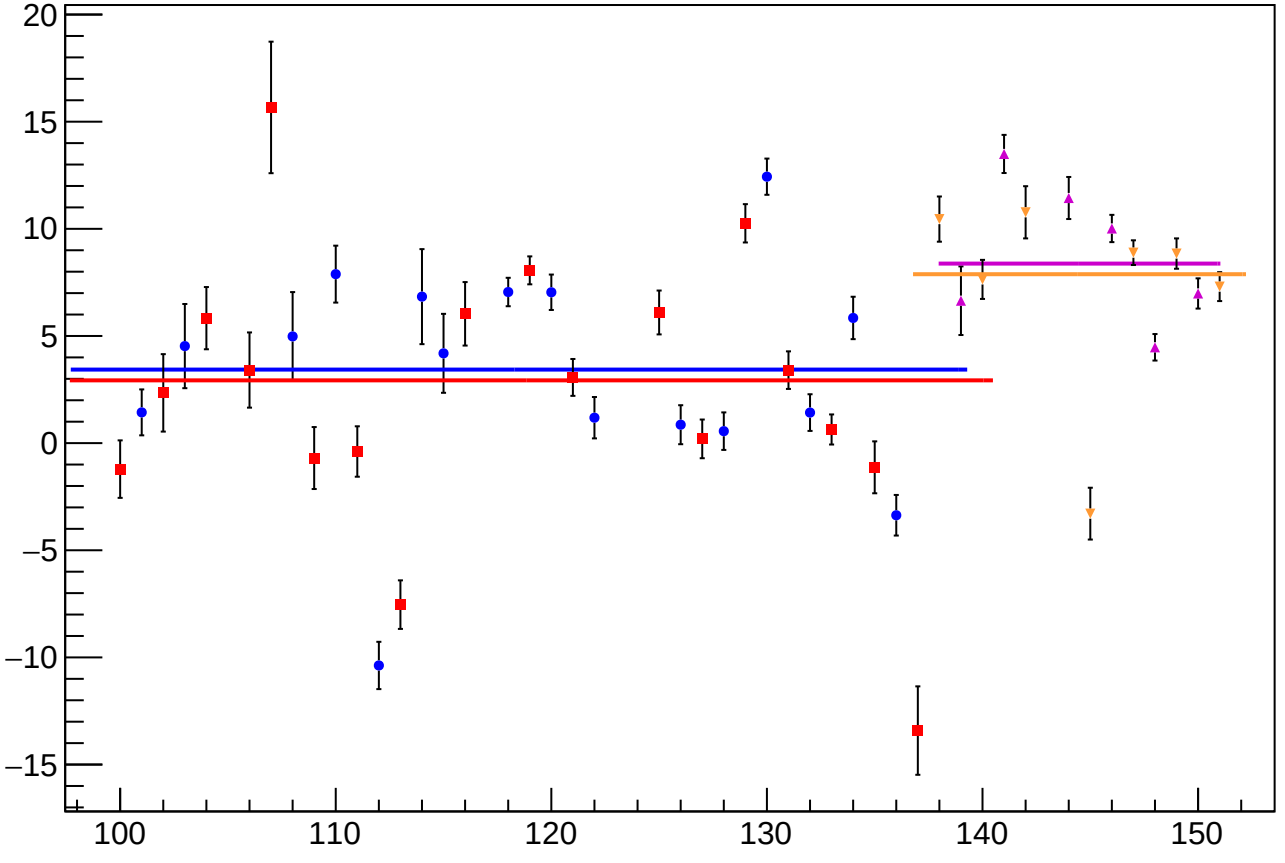
Left In: 14.826+/-0.385 χ^2/NDF:401.3/5

+ sign 14.205+/-0.206 χ^2/NDF: 3105.7/22

All: 14.618+/-0.145 χ^2/NDF: 6617.6/46

- sign 15.025+/-0.205 χ^2/NDF: 3503.9/23

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 7.883+/-0.306 χ^2/NDF:102.7/6

Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

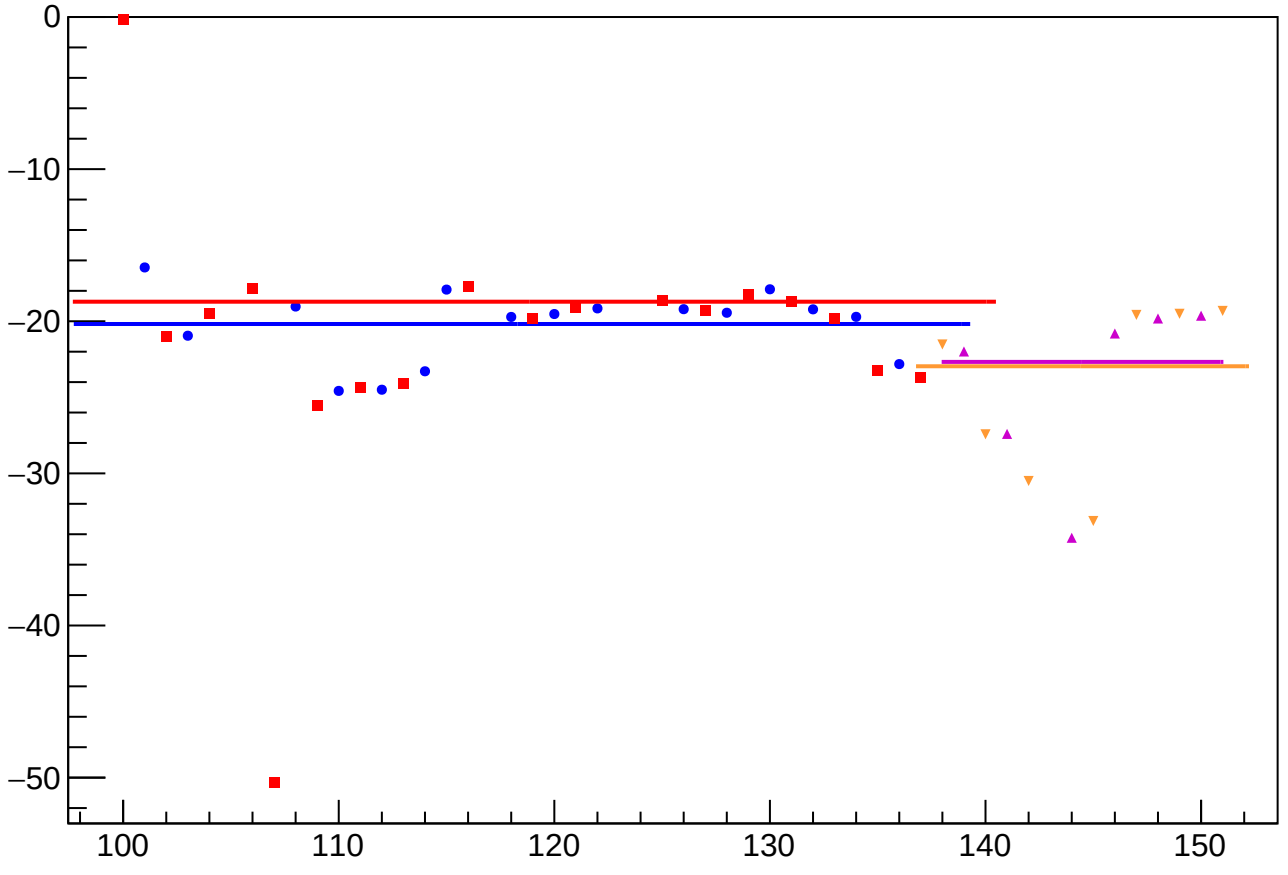
Left In: 8.378+/-0.320 χ^2/NDF:94.4/5

+ sign 5.247+/-0.196 χ^2/NDF: 651.7/22

All: 5.140+/-0.139 χ^2/NDF: 1292.8/46

- sign 5.031+/-0.199 χ^2/NDF: 640.5/23

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -22.959+/-0.016 χ^2/NDF:96153.3/6

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

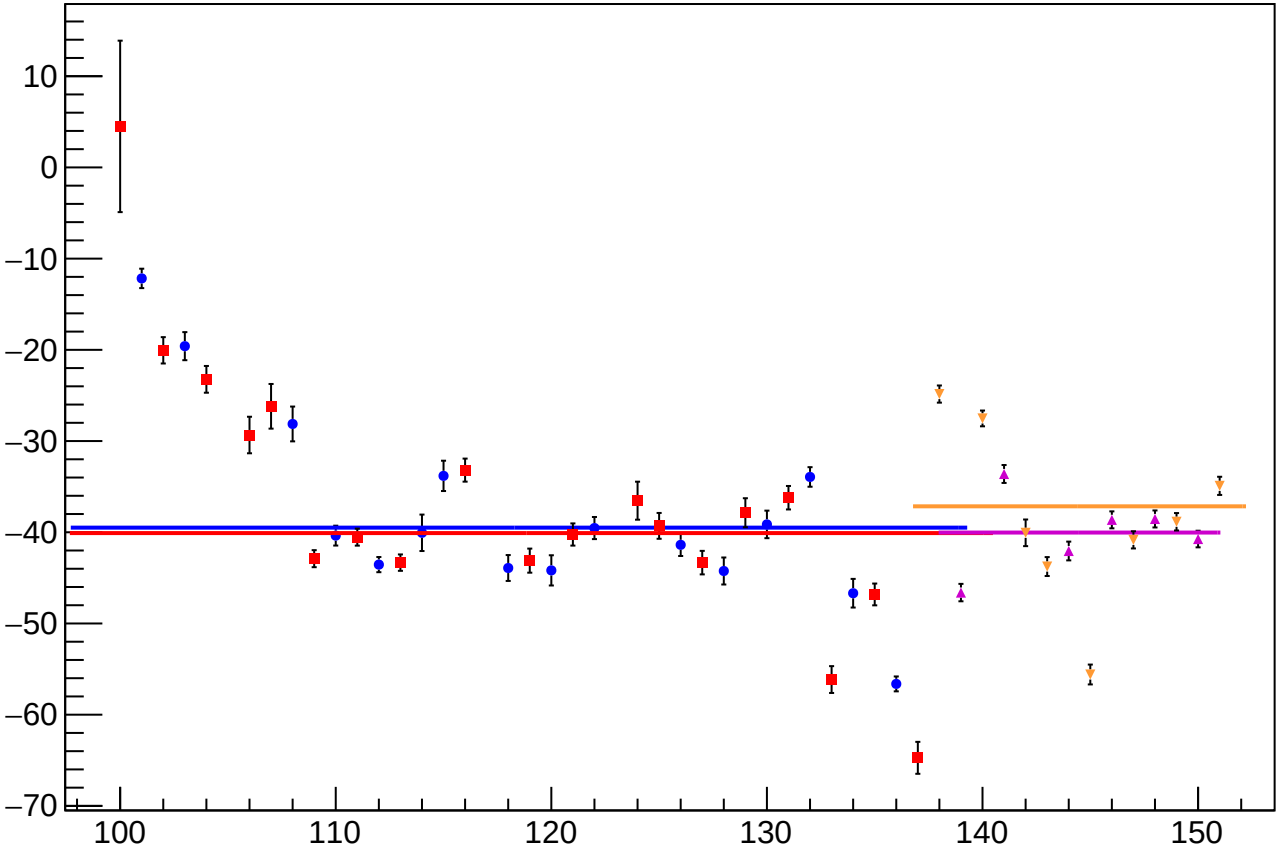
Left In: -22.671+/-0.016 χ^2/NDF:77744.7/5

+ sign -21.608+/-0.011 χ^2/NDF: 131404.2/22

All: -21.141+/-0.008 χ^2/NDF: 479496.6/46

- sign -20.689+/-0.011 χ^2/NDF: 344670.6/23

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -39.493+/-0.311 χ^2/NDF: 1417.1/15

Left Out: -37.157+/-0.355 χ^2/NDF:650.2/7

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

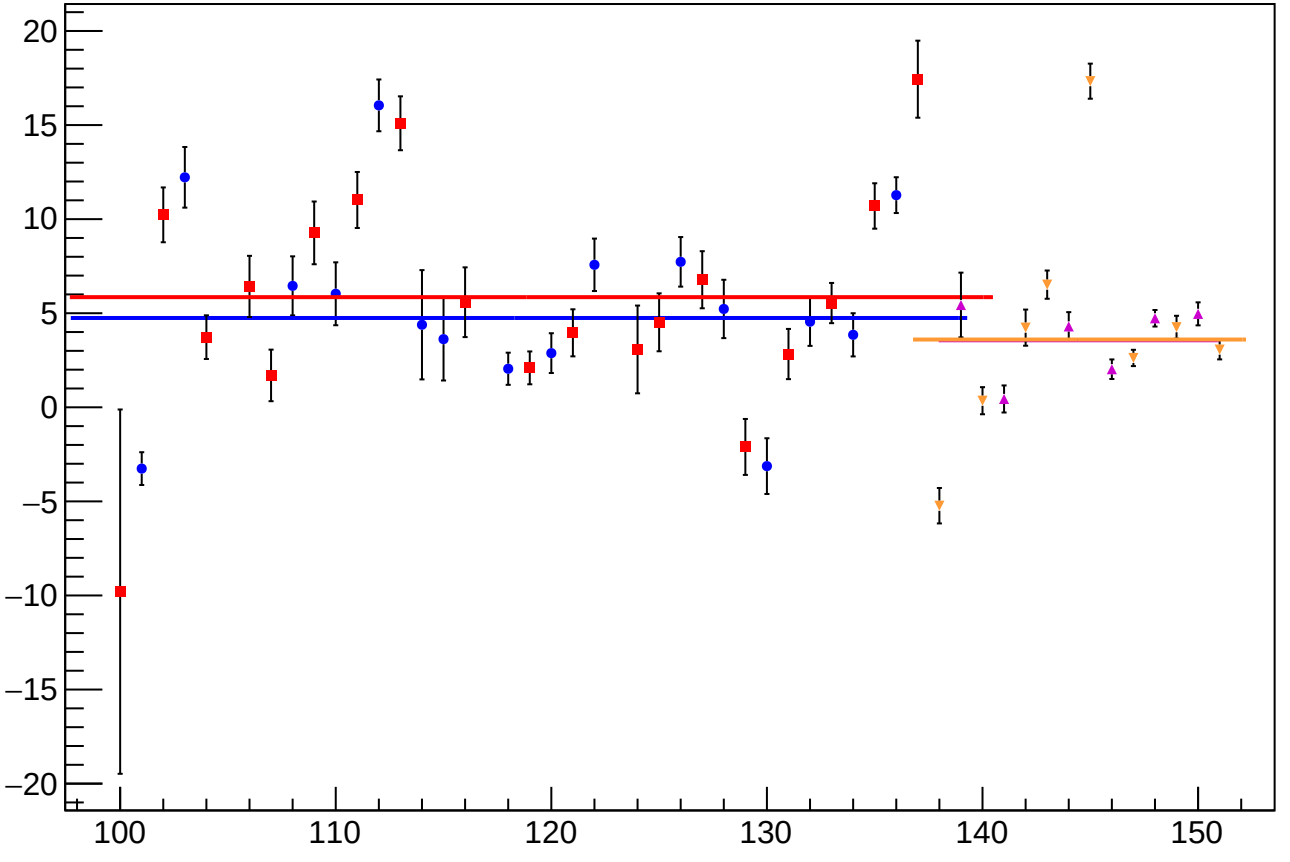
Left In: -40.032+/-0.390 χ^2/NDF:99.5/5

+ sign -38.479+/-0.234 χ^2/NDF: 2091.8/23

All: -39.248+/-0.168 χ^2/NDF: 3048.6/48

- sign -40.068+/-0.241 χ^2/NDF: 934.4/24

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: 3.602+/-0.231 χ^2/NDF:348.0/7

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

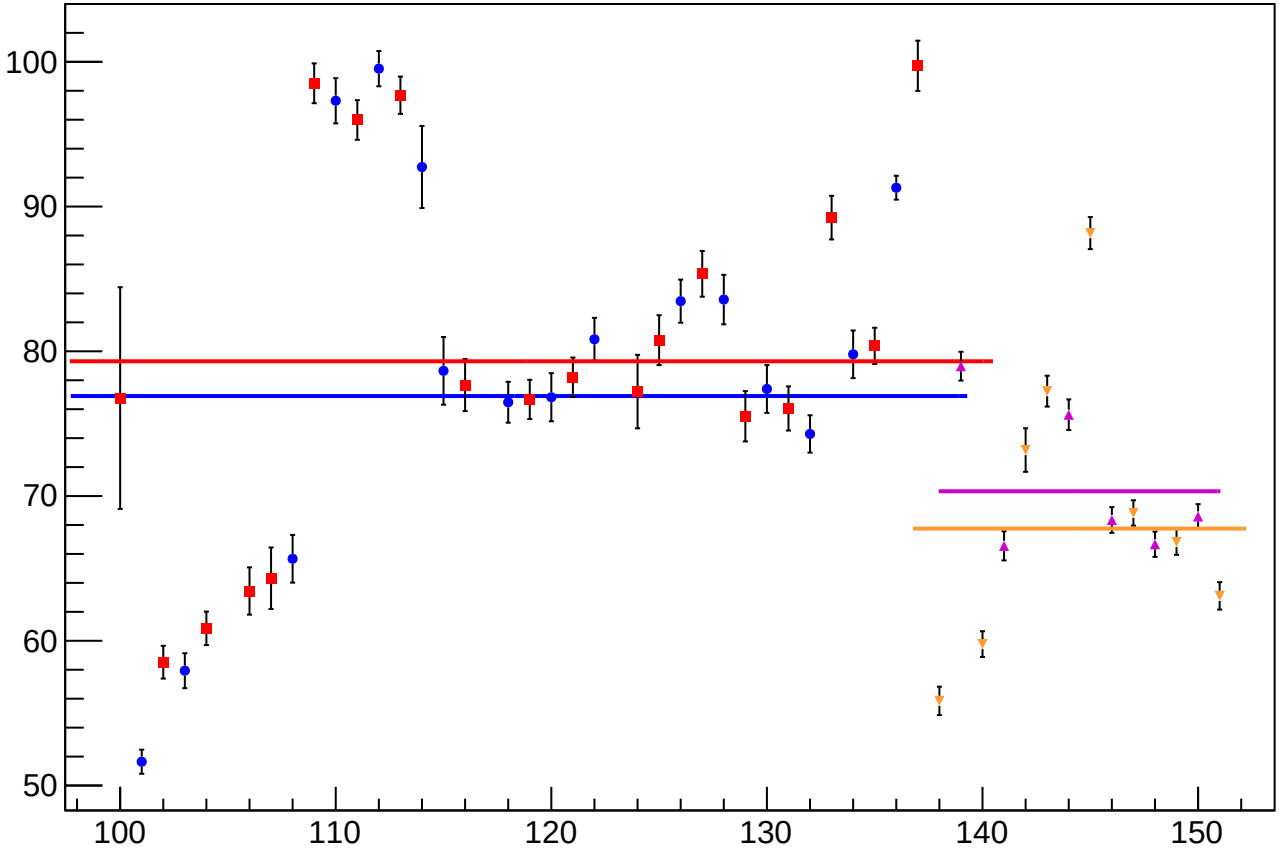
Left In: 3.563+/-0.254 χ^2/NDF:42.0/5

+ sign 4.000+/-0.186 χ^2/NDF: 630.4/23

All: 4.202+/-0.136 χ^2/NDF: 893.6/48

- sign 4.433+/-0.200 χ^2/NDF: 260.7/24

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 67.752+/-0.351 χ^2/NDF:686.0/7

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

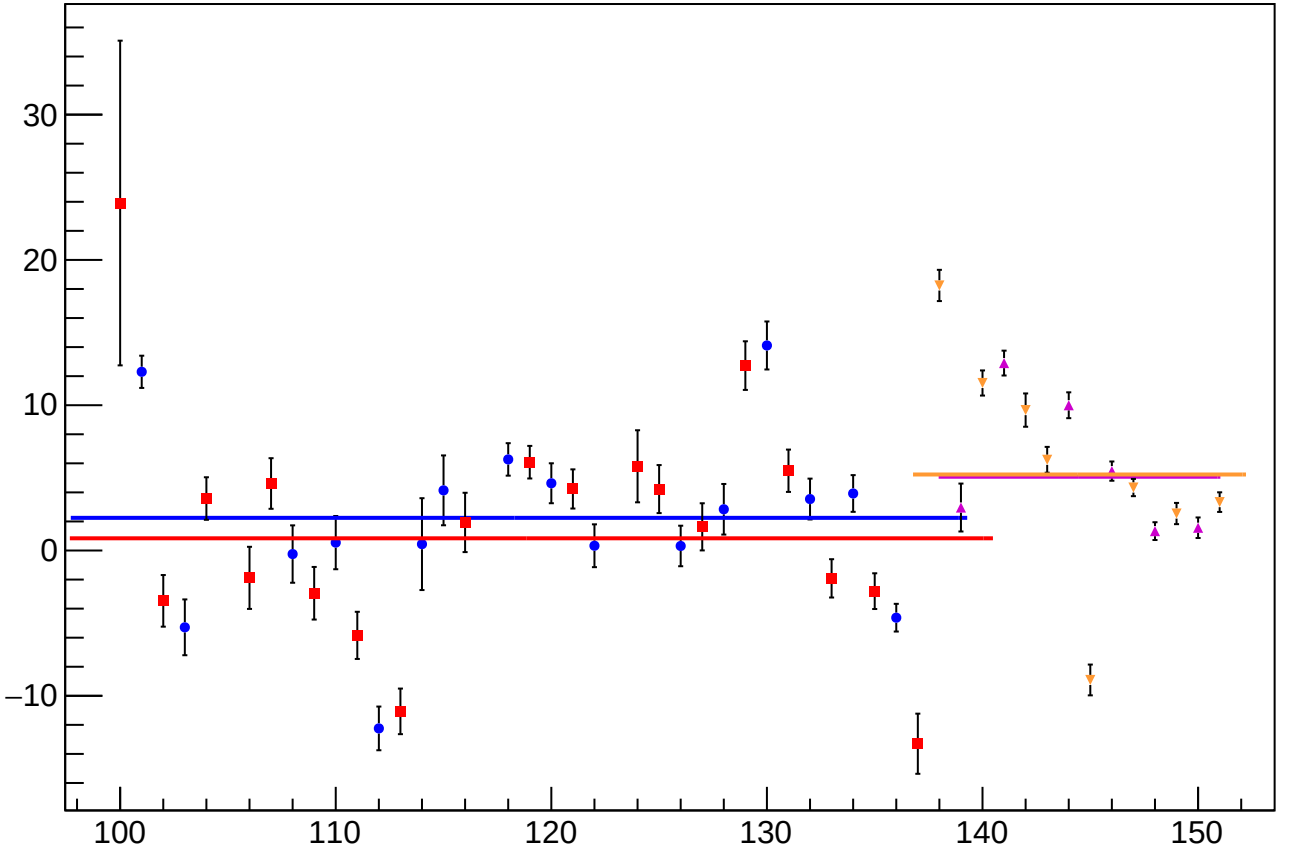
Left In: 70.331+/-0.382 χ^2/NDF:141.0/5

+ sign 72.522+/-0.243 χ^2/NDF: 3156.0/23

All: 73.806+/-0.177 χ^2/NDF: 5154.3/48

- sign 75.244+/-0.257 χ^2/NDF: 1939.2/24

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 2.248+/-0.363 χ^2/NDF: 319.6/15

Left Out: 5.232+/-0.288 χ^2/NDF:417.6/7

Right Out: 0.840+/-0.372 χ^2/NDF: 256.2/18

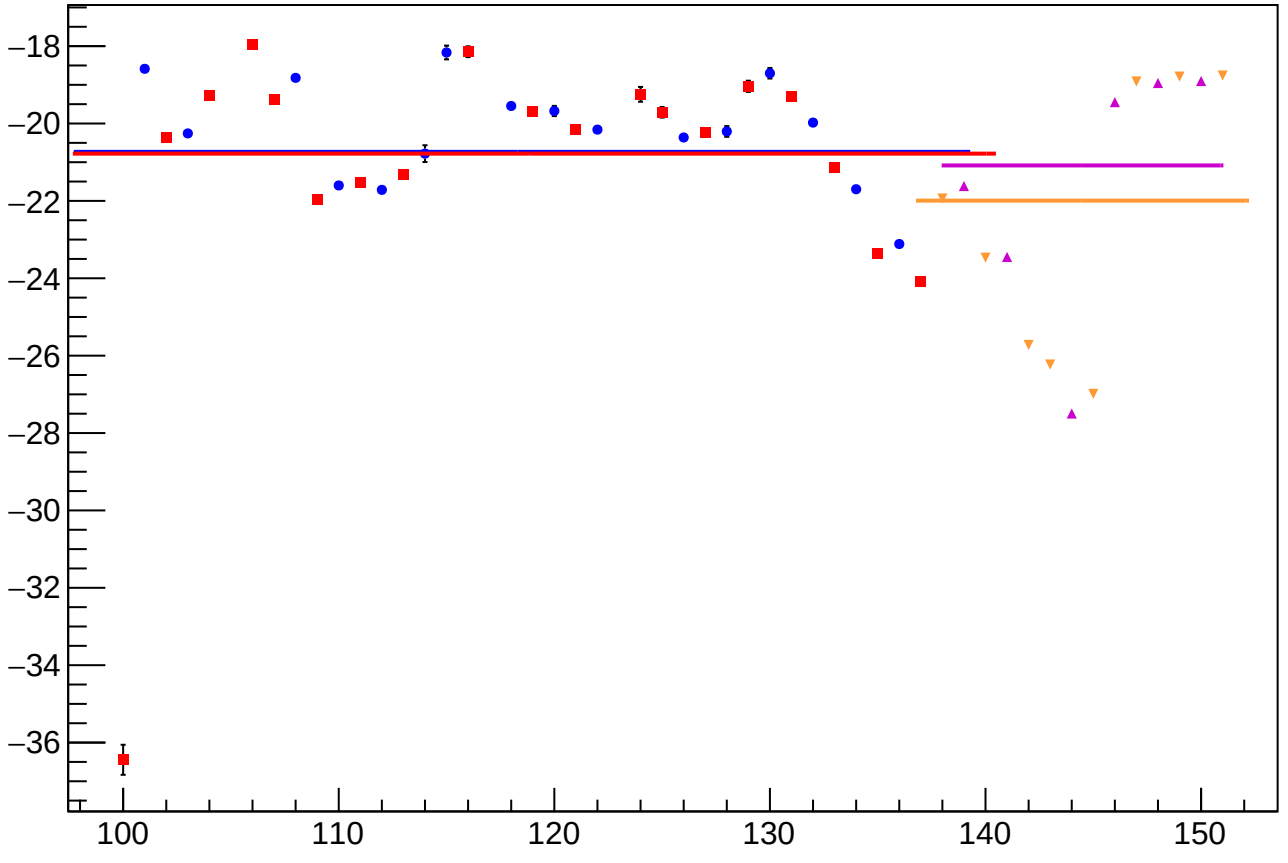
Left In: 5.078+/-0.317 χ^2/NDF:178.3/5

+ sign 4.078+/-0.226 χ^2/NDF: 778.7/23

All: 3.712+/-0.165 χ^2/NDF: 1294.0/48

- sign 3.295+/-0.241 χ^2/NDF: 509.7/24

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -21.993+/-0.015 χ^2/NDF:48228.7/7

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

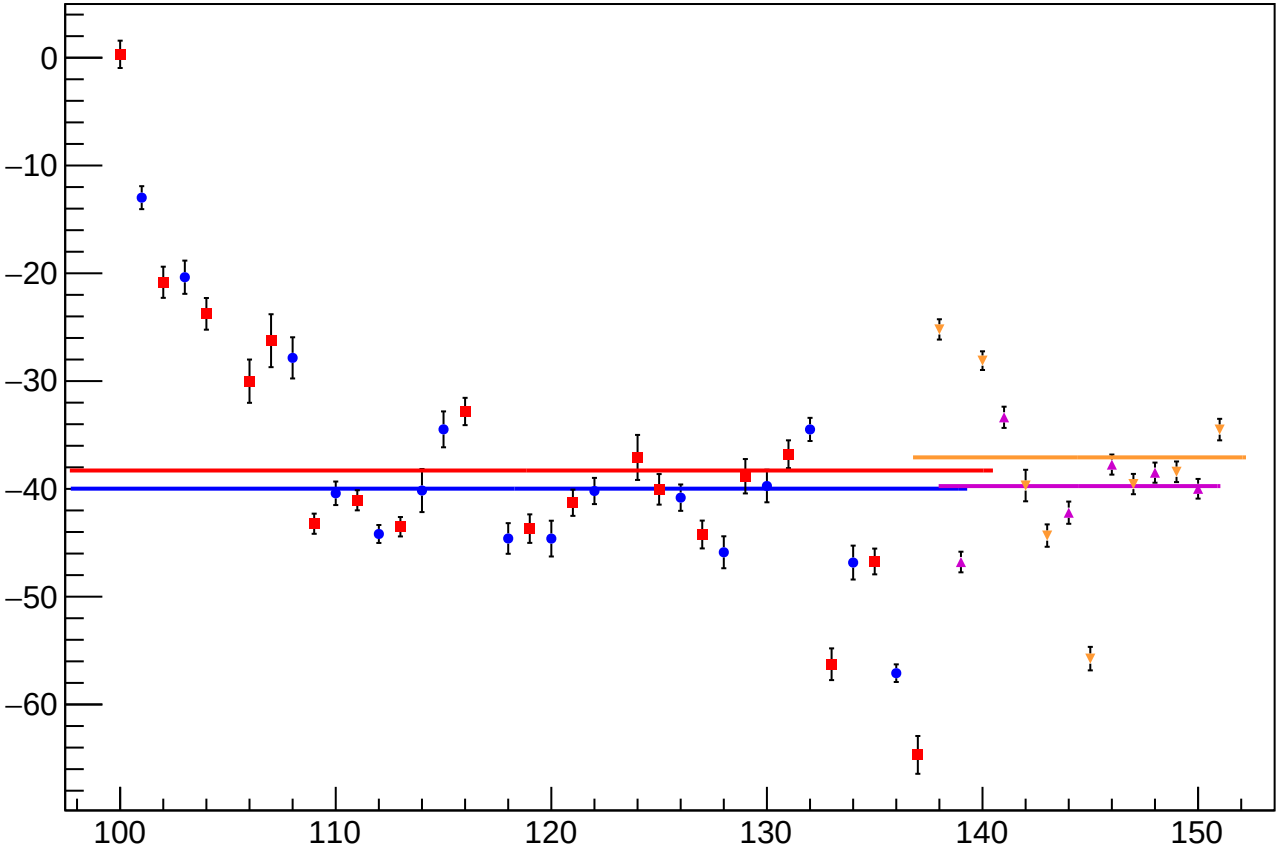
Left In: -21.083+/-0.016 χ^2/NDF:31252.4/5

+ sign -21.536+/-0.012 χ^2/NDF: 58549.3/23

All: -21.268+/-0.008 χ^2/NDF: 100485.7/48

- sign -20.970+/-0.012 χ^2/NDF: 40822.5/24

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -39.979+/-0.311 χ^2/NDF: 1398.4/15

Left Out: -37.077+/-0.355 χ^2/NDF:626.8/7

Right Out: -38.295+/-0.299 χ^2/NDF: 1773.8/18

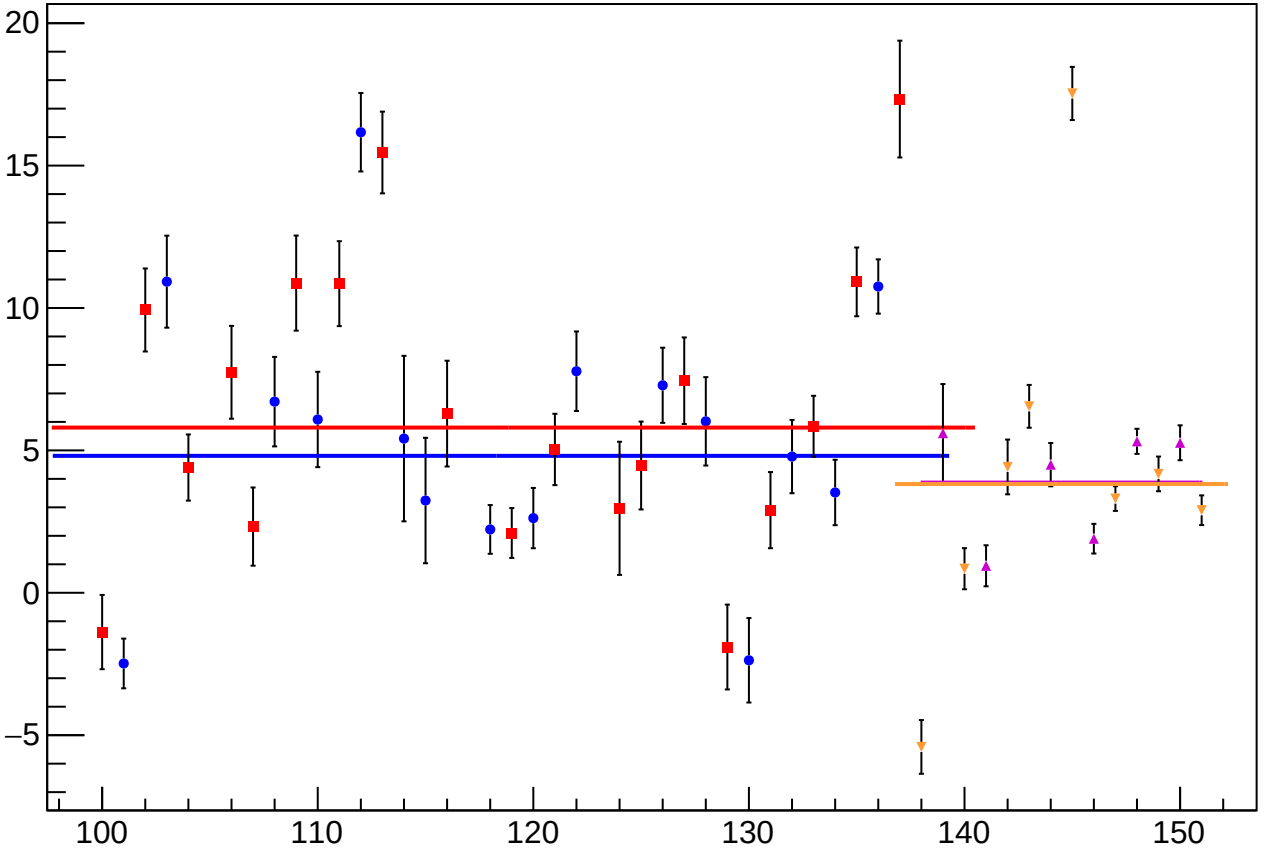
Left In: -39.741+/-0.390 χ^2/NDF:108.4/5

+ sign -38.720+/-0.234 χ^2/NDF: 2062.9/23

All: -38.774+/-0.167 χ^2/NDF: 3953.9/48

- sign -38.830+/-0.237 χ^2/NDF: 1890.8/24

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 4.808+/-0.316 χ^2/NDF: 240.5/15

Left Out: 3.818+/-0.231 χ^2/NDF:346.9/7

Right Out: 5.801+/-0.315 χ^2/NDF: 216.4/18

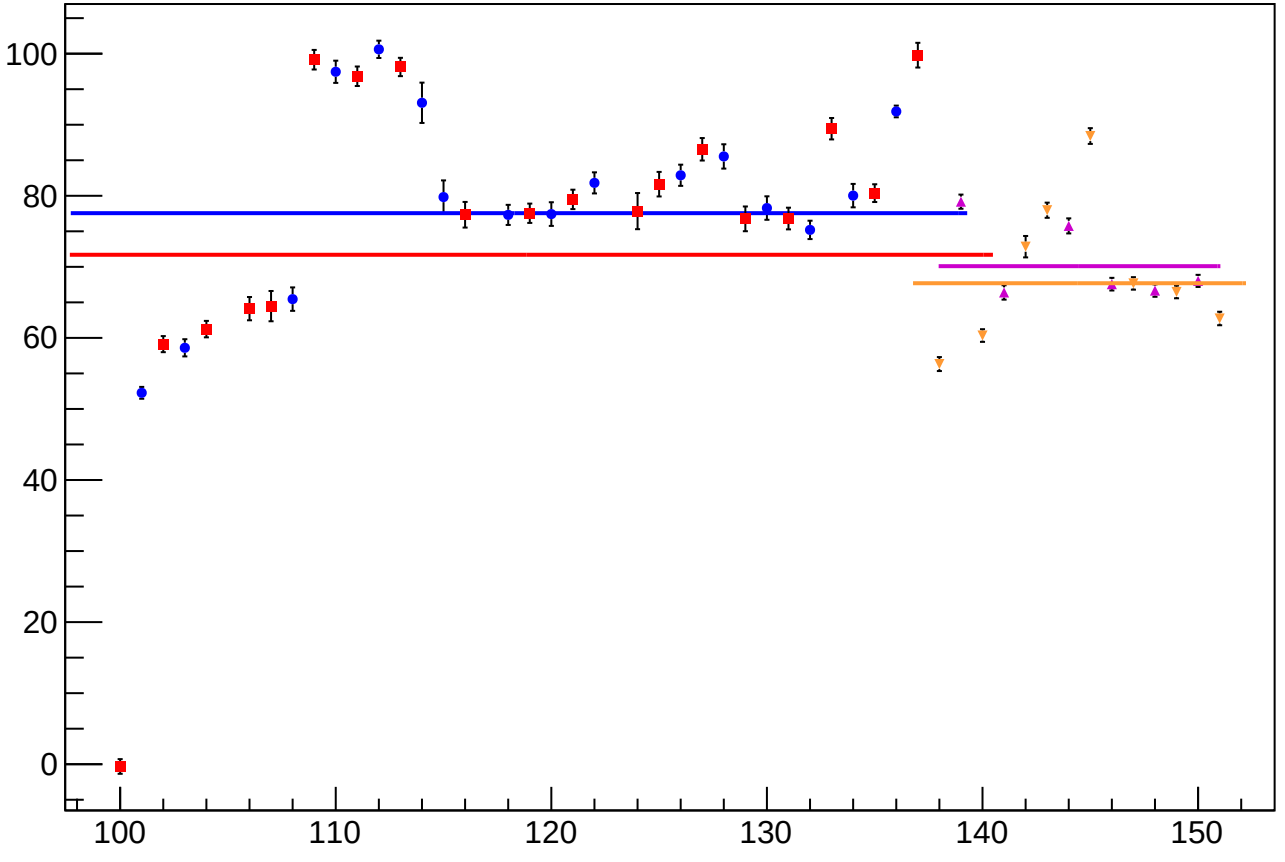
Left In: 3.870+/-0.254 χ^2/NDF:48.5/5

+ sign 4.162+/-0.187 χ^2/NDF: 593.8/23

All: 4.383+/-0.136 χ^2/NDF: 884.4/48

- sign 4.631+/-0.198 χ^2/NDF: 287.7/24

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 67.694+/-0.352 χ^2/NDF:684.2/7

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

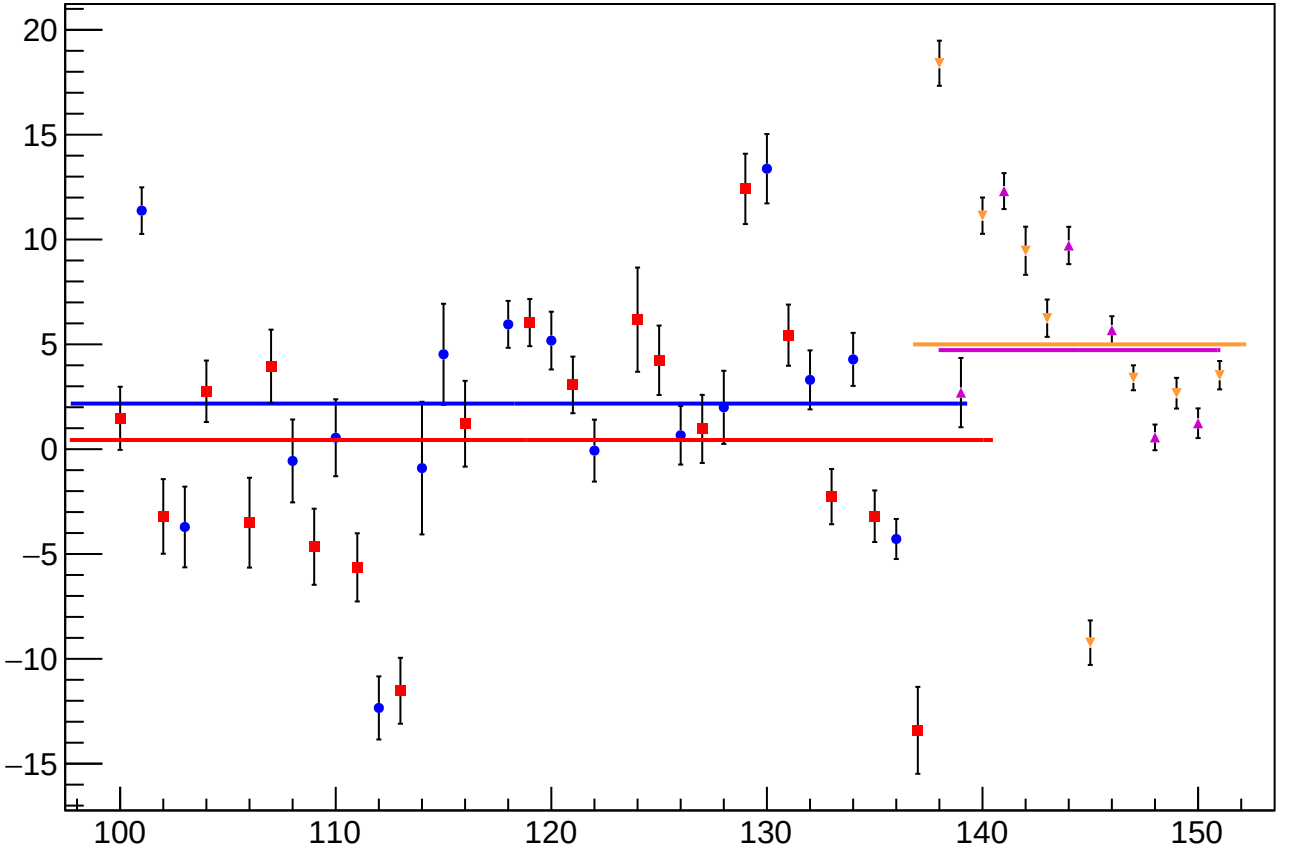
Left In: 70.094+/-0.383 χ^2/NDF:154.2/5

+ sign 72.831+/-0.244 χ^2/NDF: 3211.6/23

All: 71.947+/-0.175 χ^2/NDF: 10306.5/48

- sign 71.014+/-0.250 χ^2/NDF: 7067.8/24

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 2.175+/-0.364 χ^2/NDF: 290.3/15

Left Out: 4.999+/-0.289 χ^2/NDF:424.2/7

Right Out: 0.438+/-0.362 χ^2/NDF: 254.1/18

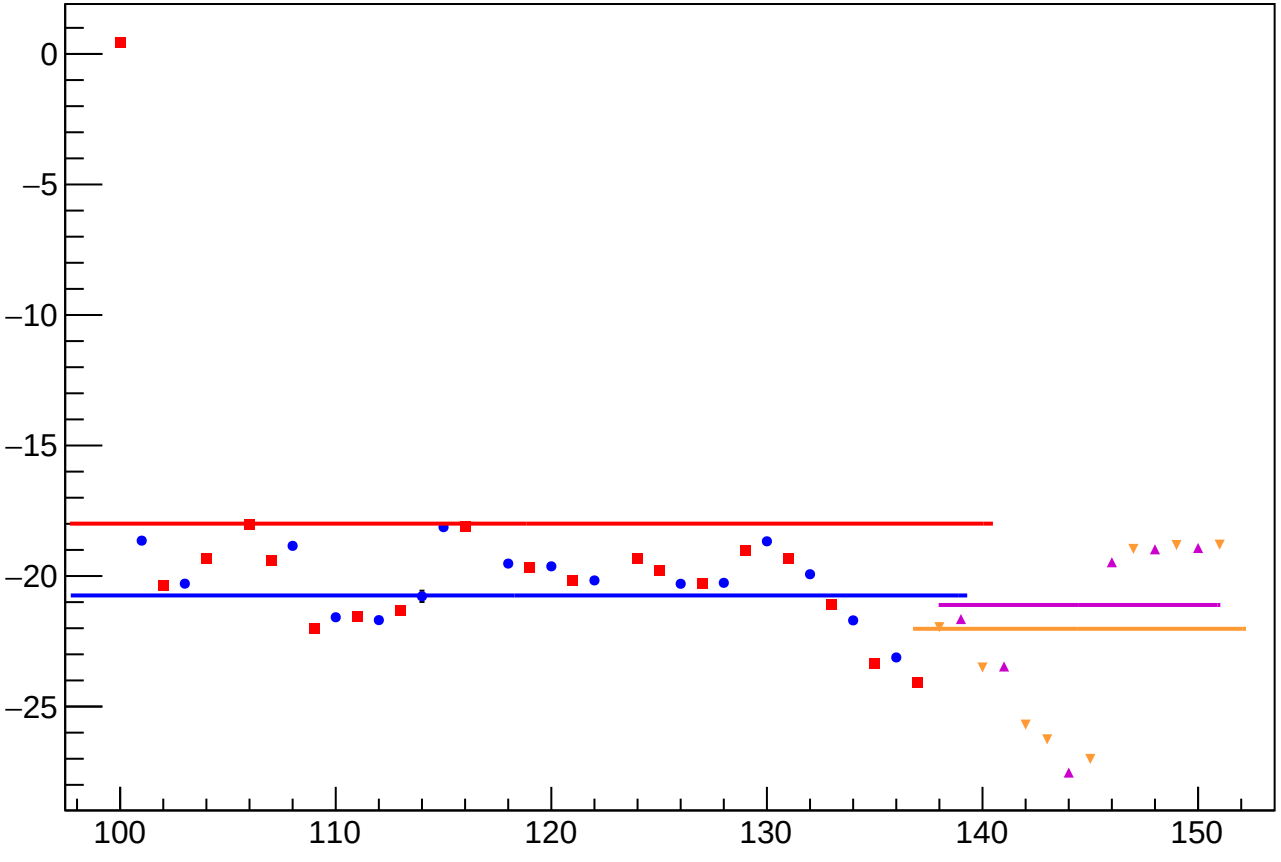
Left In: 4.725+/-0.318 χ^2/NDF:183.7/5

+ sign 3.906+/-0.226 χ^2/NDF: 751.5/23

All: 3.411+/-0.164 χ^2/NDF: 1278.7/48

- sign 2.860+/-0.239 χ^2/NDF: 517.1/24

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.745+/-0.019 χ^2/NDF: 7513.6/15

Left Out: -22.021+/-0.015 χ^2/NDF:47830.7/7

Right Out: -17.993+/-0.019 χ^2/NDF: 150579.1/18

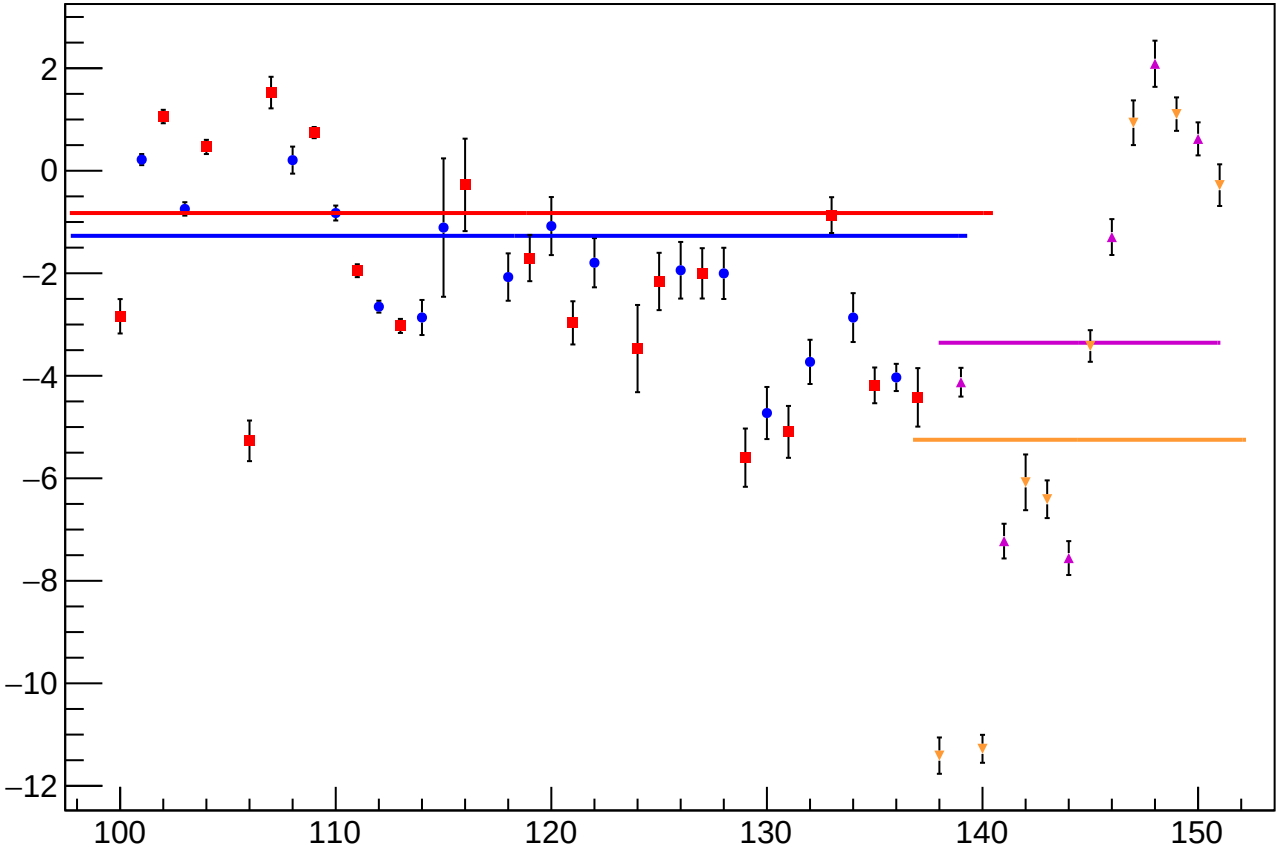
Left In: -21.109+/-0.016 χ^2/NDF:31195.9/5

+ sign -21.559+/-0.012 χ^2/NDF: 58090.8/23

All: -20.725+/-0.008 χ^2/NDF: 266491.2/48

- sign -19.850+/-0.012 χ^2/NDF: 198007.7/24

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -5.248+/-0.126 χ^2/NDF:1567.8/7

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

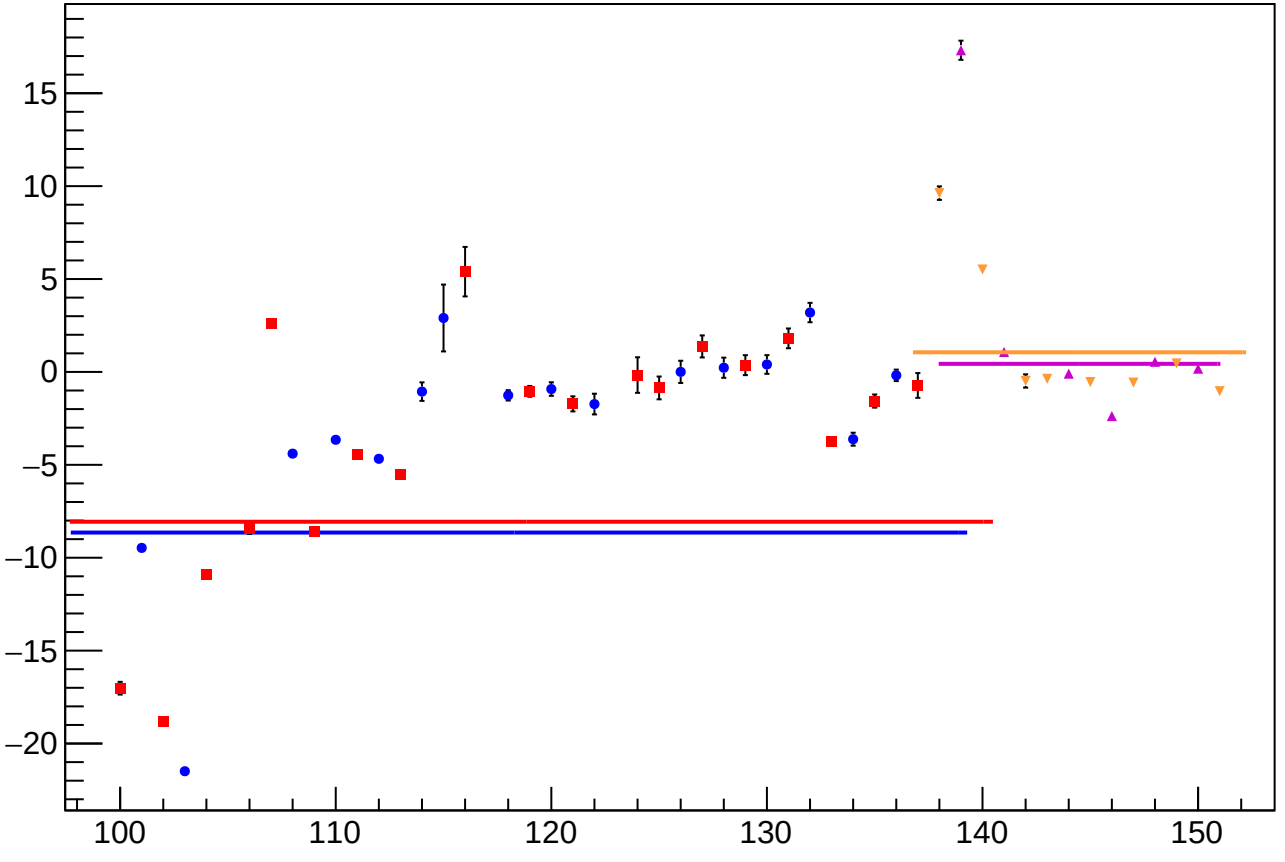
Left In: -3.356+/-0.137 χ^2/NDF:632.6/5

+ sign -1.900+/-0.050 χ^2/NDF: 3028.5/23

All: -1.500+/-0.035 χ^2/NDF: 5468.0/48

- sign -1.133+/-0.048 χ^2/NDF: 2316.6/24

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 1.057+/-0.088 χ^2/NDF:1173.8/7

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

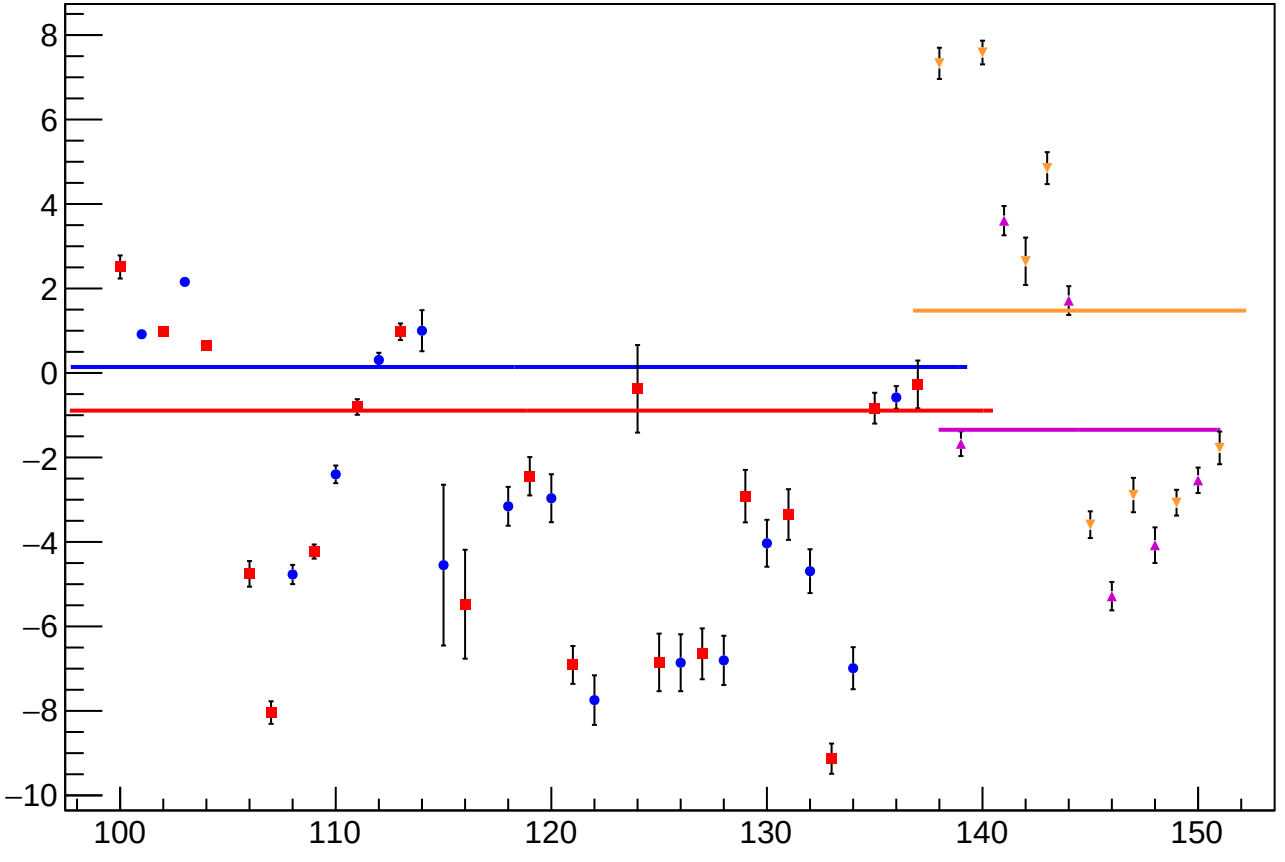
Left In: 0.435+/-0.100 χ^2/NDF:1260.7/5

+ sign -5.777+/-0.048 χ^2/NDF: 23584.7/23

All: -5.853+/-0.034 χ^2/NDF: 44743.8/48

- sign -5.936+/-0.050 χ^2/NDF: 21153.7/24

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 1.476+/-0.125 χ^2/NDF:1472.9/7

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

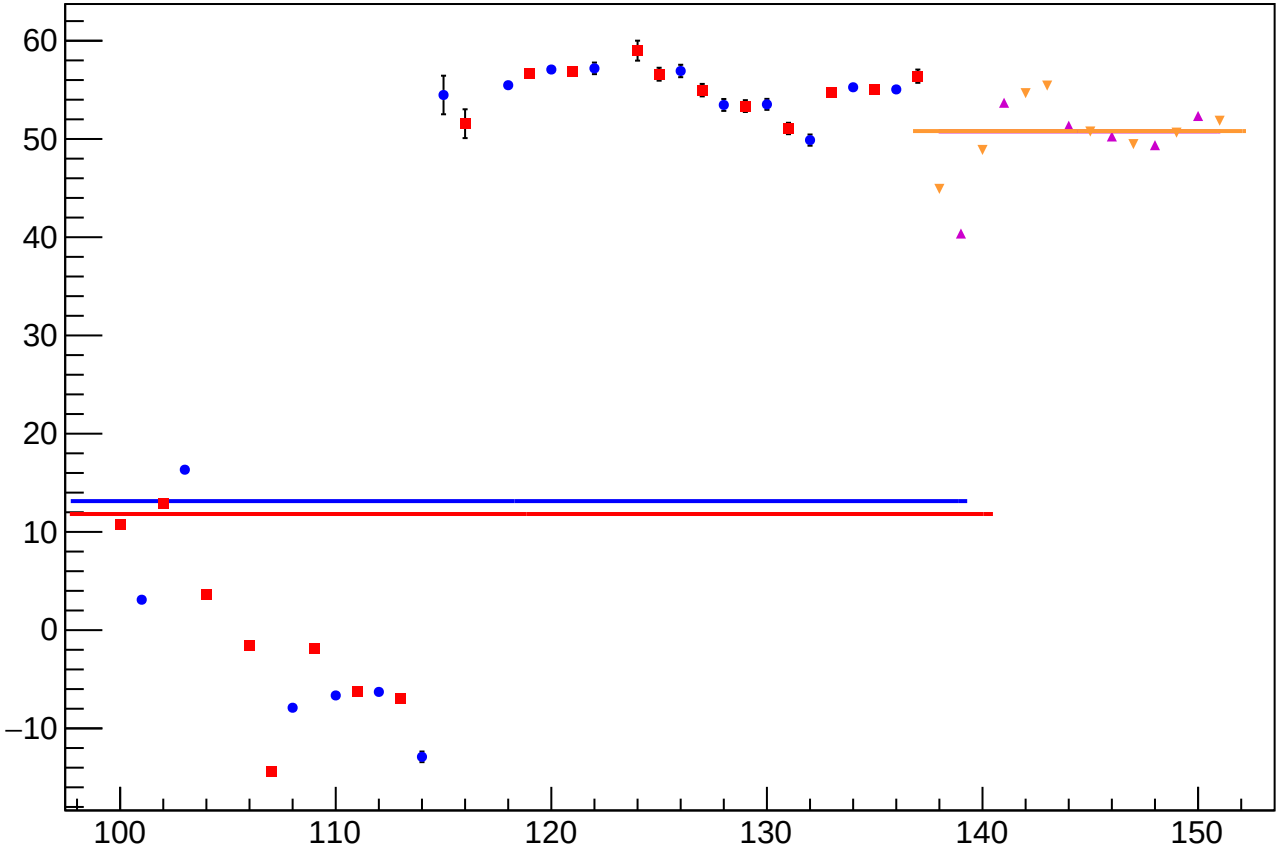
Left In: -1.345+/-0.136 χ^2/NDF:480.1/5

+ sign 0.344+/-0.049 χ^2/NDF: 3528.9/23

All: -0.290+/-0.035 χ^2/NDF: 7349.3/48

- sign -0.952+/-0.050 χ^2/NDF: 3475.4/24

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 50.805+/-0.107 χ^2/NDF:586.9/7

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

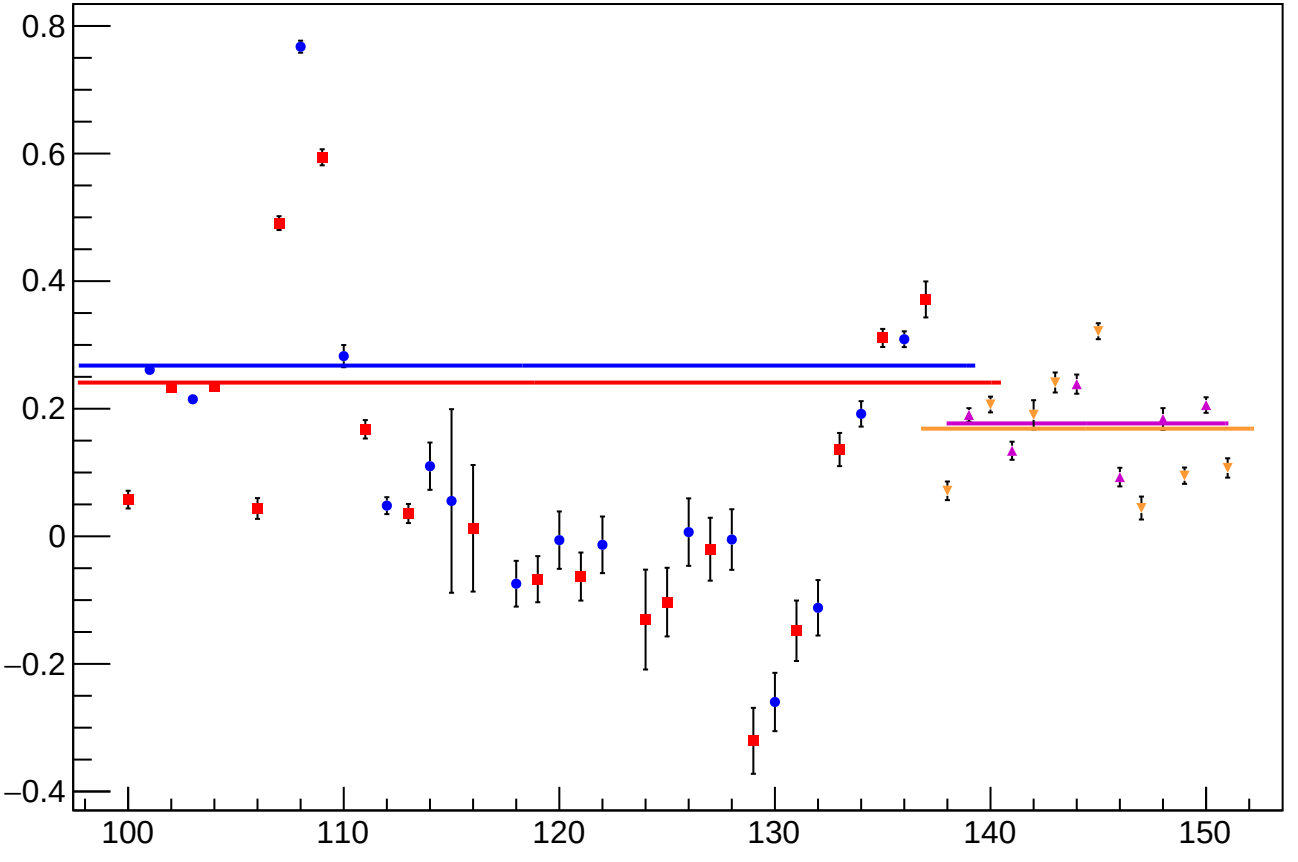
Left In: 50.772+/-0.120 χ^2/NDF:608.0/5

\+ sign 23.934+/-0.057 χ^2/NDF: 197275.3/23

All: 22.625+/-0.041 χ^2/NDF: 396786.4/48

\- sign 21.237+/-0.059 χ^2/NDF: 198438.7/24

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.268+/-0.003 χ^2/NDF: 3720.4/15

Left Out: 0.169+/-0.005 χ^2/NDF:323.0/7

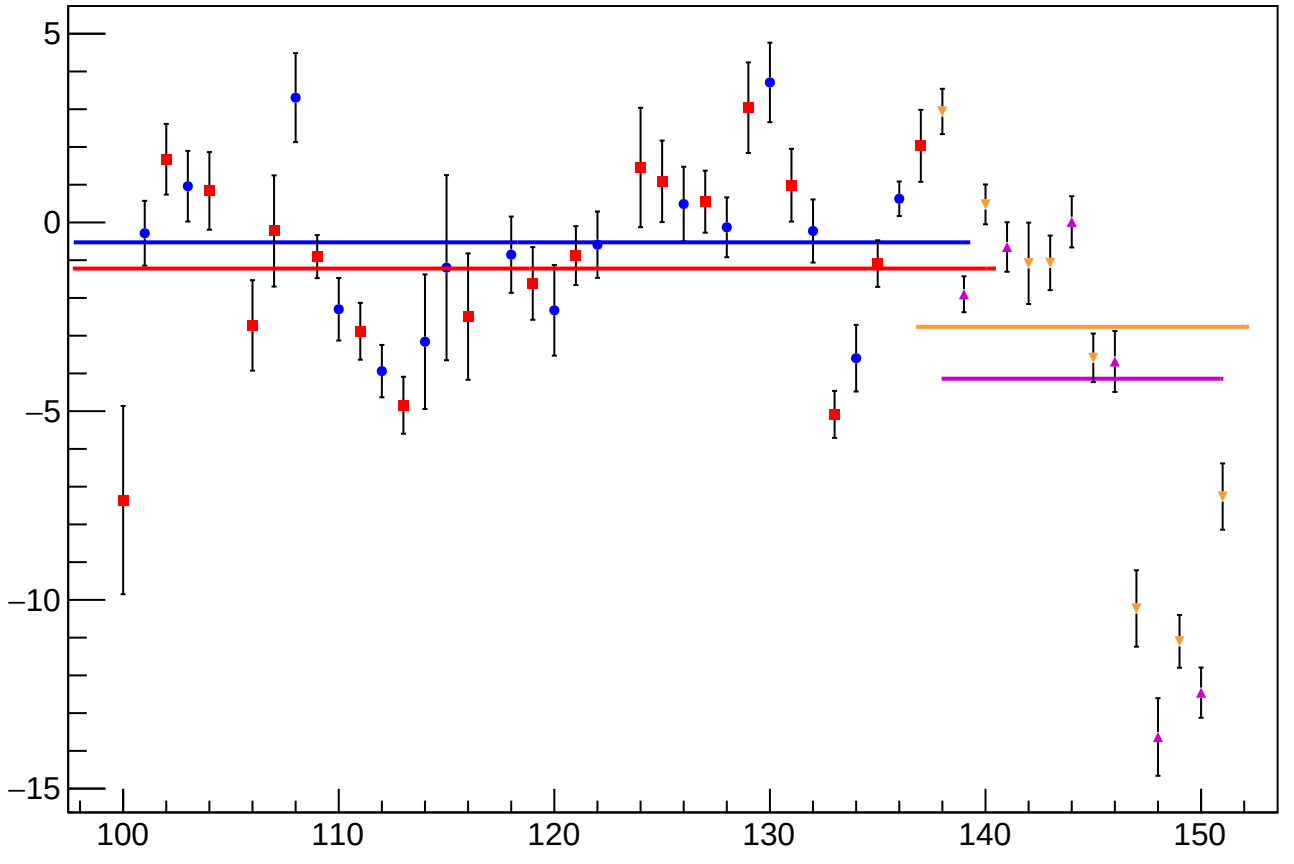
Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

Left In: 0.177+/-0.005 χ^2/NDF:66.4/5

+ sign 0.245+/-0.002 χ^2/NDF: 4325.2/23

All: 0.237+/-0.002 χ^2/NDF: 6864.0/48

- sign 0.228+/-0.002 χ^2/NDF: 2514.3/24



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: -2.766+/-0.251 χ^2/NDF:360.3/7

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

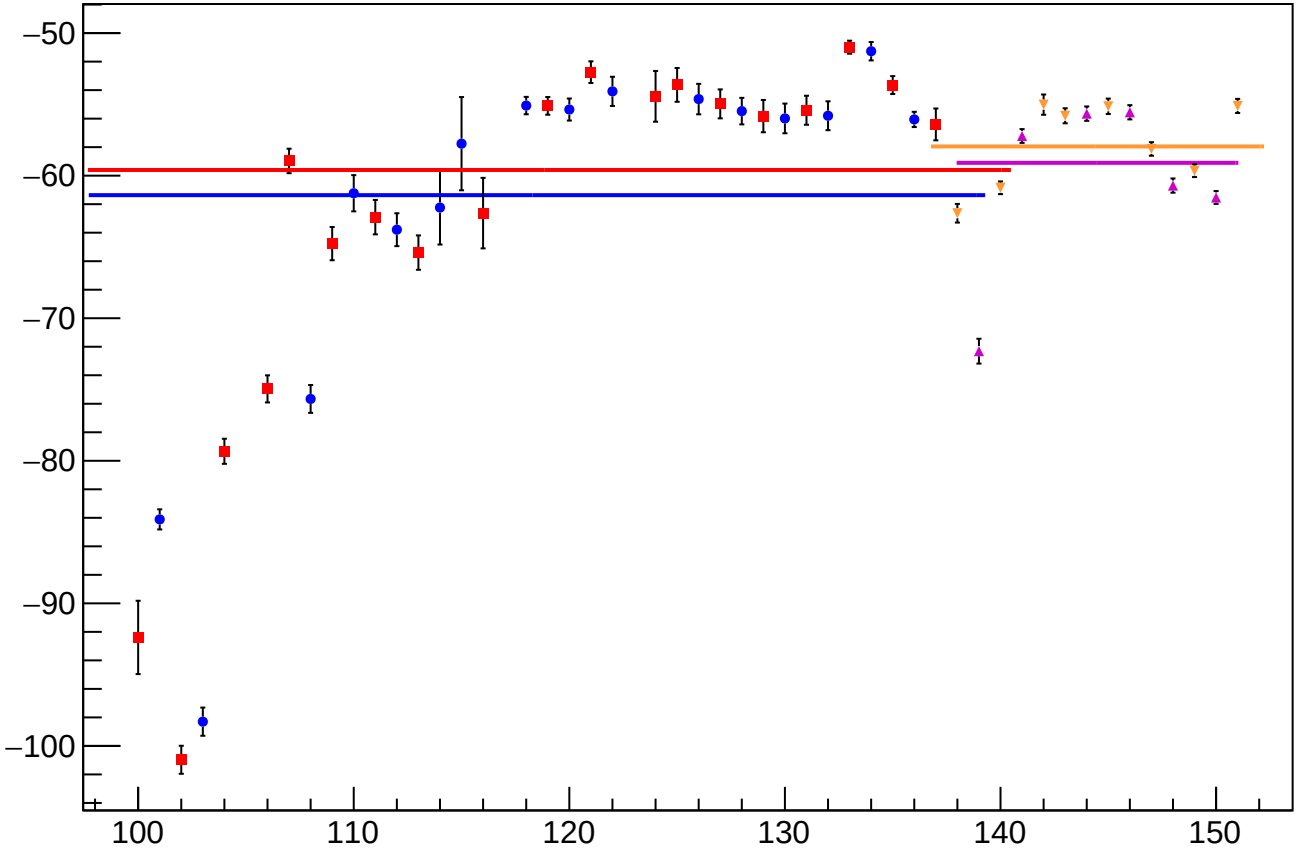
Left In: -4.140+/-0.271 χ^2/NDF:329.2/5

+ sign -1.485+/-0.164 χ^2/NDF: 488.6/23

All: -1.885+/-0.116 χ^2/NDF: 1034.5/48

- sign -2.281+/-0.163 χ^2/NDF: 534.1/24

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -61.367+/-0.219 χ^2/NDF: 3351.2/15

Left Out: -57.951+/-0.183 χ^2/NDF:201.5/7

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

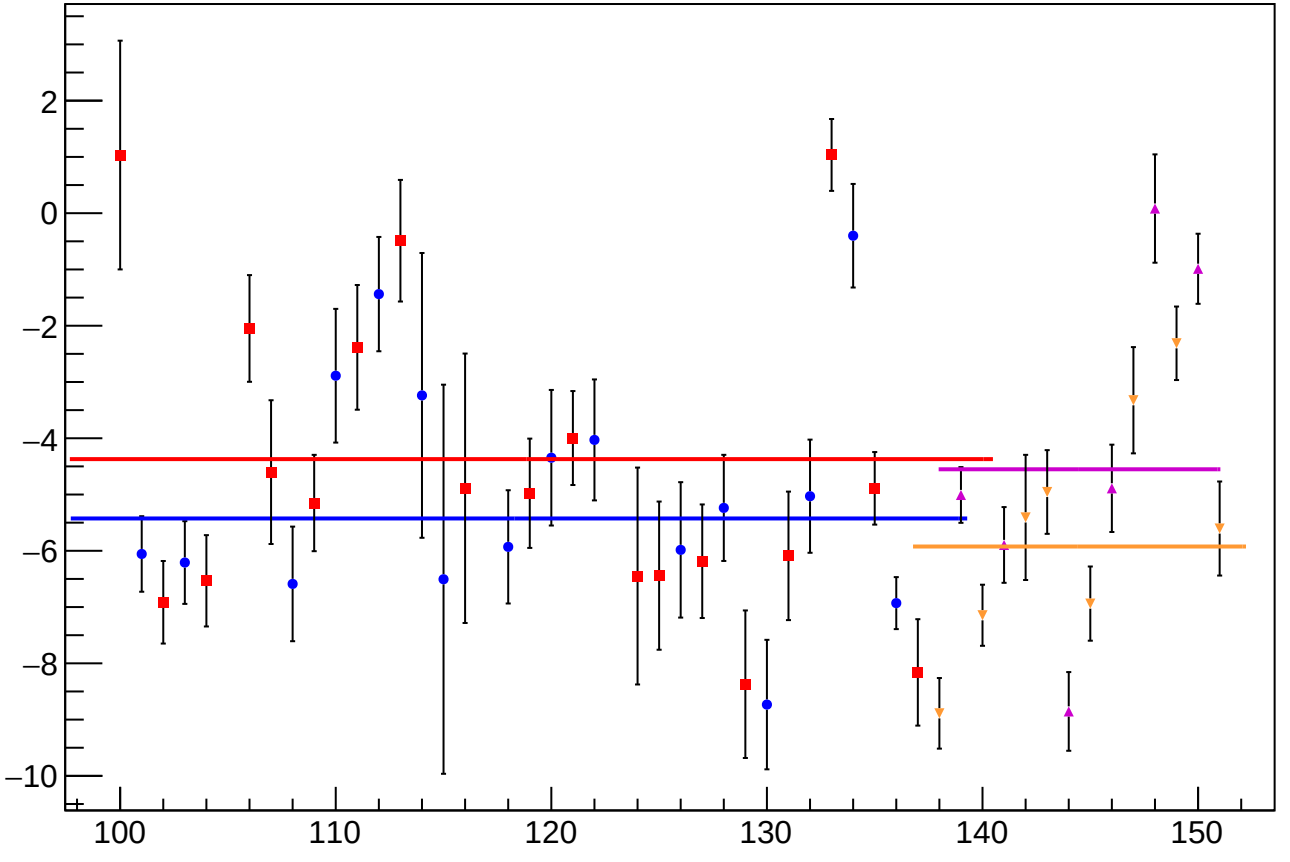
Left In: -59.100+/-0.211 χ^2/NDF:381.4/5

\+ sign -59.357+/-0.141 χ^2/NDF: 3695.8/23

All: -59.357+/-0.102 χ^2/NDF: 7501.4/48

\- sign -59.356+/-0.148 χ^2/NDF: 3805.6/24

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -5.924+/-0.252 χ^2/NDF:70.0/7

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

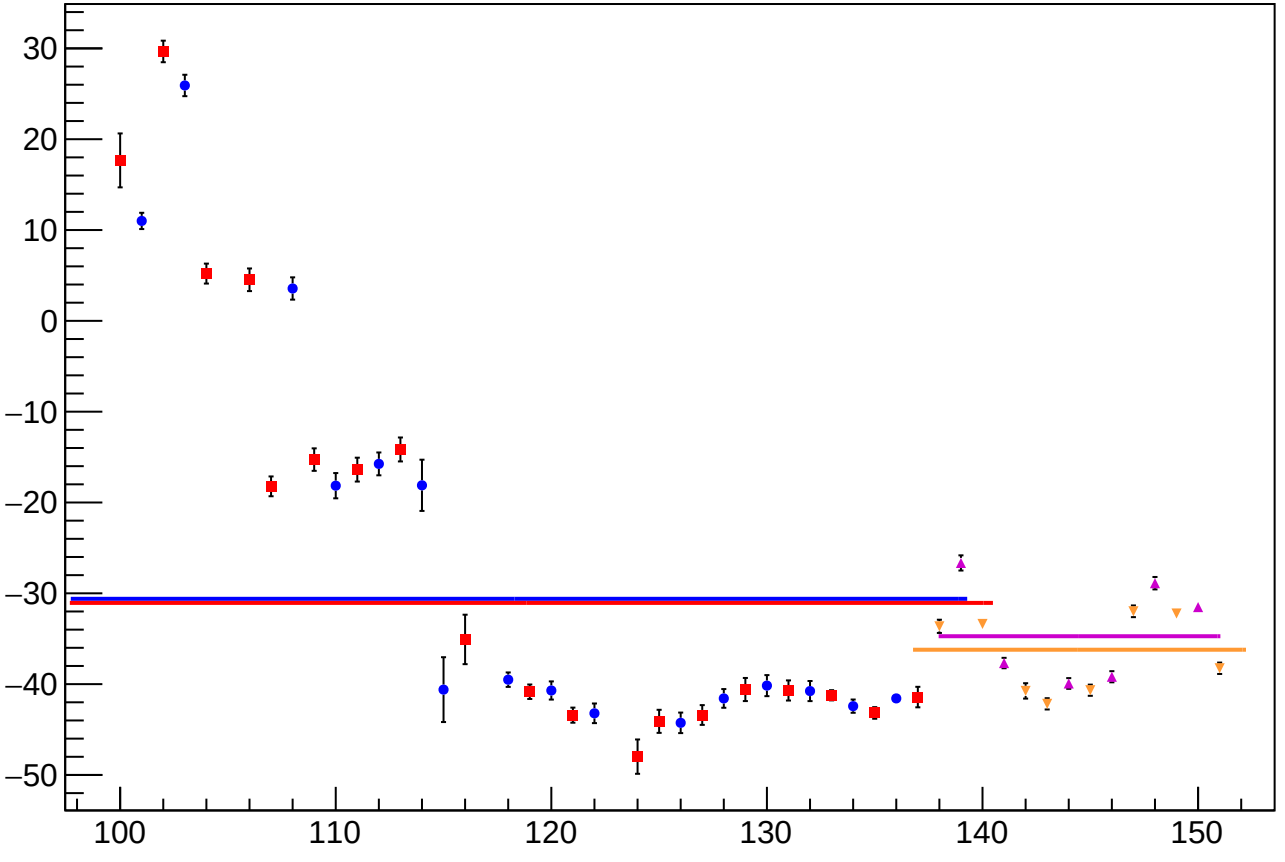
Left In: -4.551+/-0.271 χ^2/NDF:98.8/5

+ sign -5.652+/-0.170 χ^2/NDF: 148.1/23

All: -5.055+/-0.121 χ^2/NDF: 428.7/48

- sign -4.443+/-0.172 χ^2/NDF: 255.7/24

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -30.605+/-0.249 χ^2/NDF: 6938.0/15

Left Out: -36.211+/-0.221 χ^2/NDF:322.3/7

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

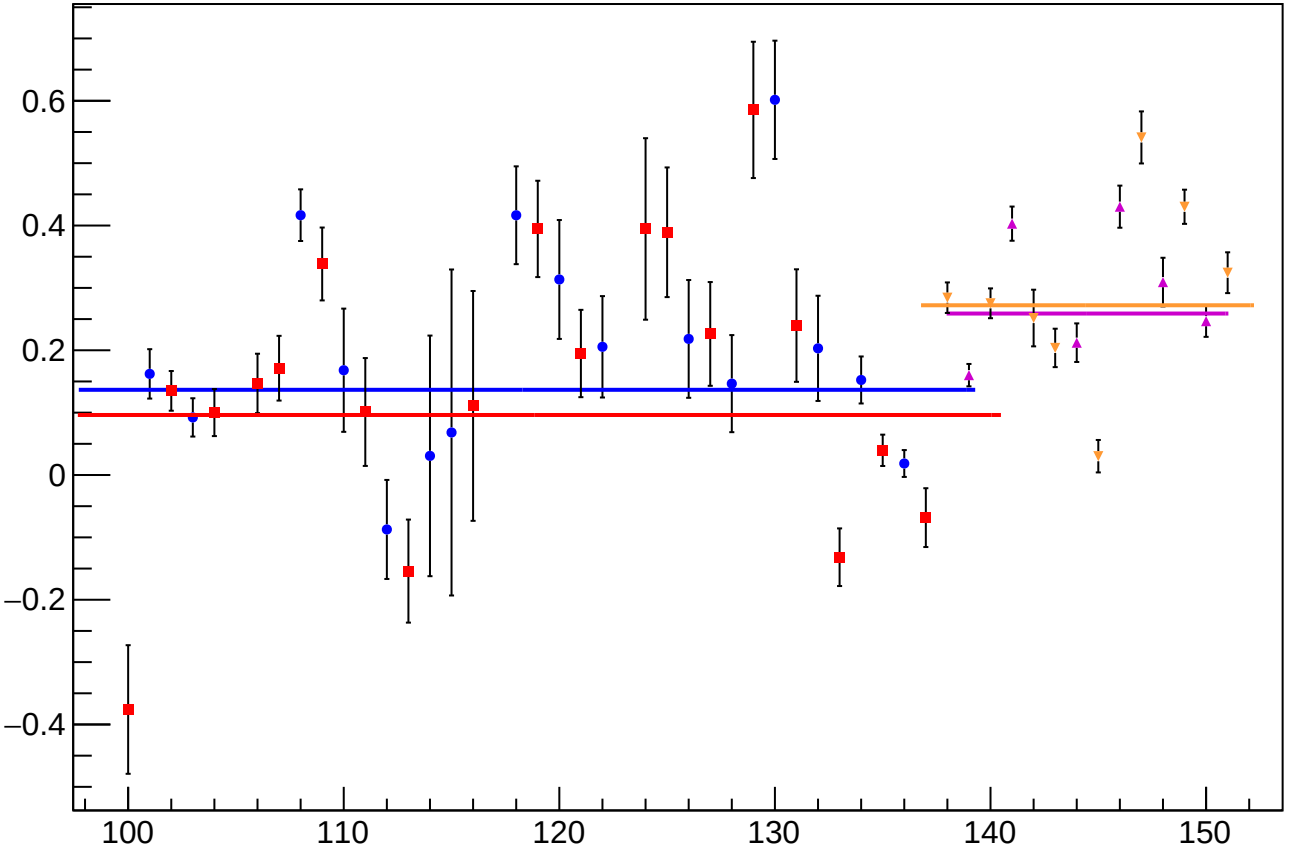
Left In: -34.725+/-0.251 χ^2/NDF:361.2/5

+ sign -33.741+/-0.166 χ^2/NDF: 7543.1/23

All: -33.285+/-0.120 χ^2/NDF: 15009.1/48

- sign -32.790+/-0.173 χ^2/NDF: 7450.2/24

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.137+/-0.013 χ^2/NDF: 129.2/15

Left Out: 0.272+/-0.010 χ^2/NDF:169.2/7

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

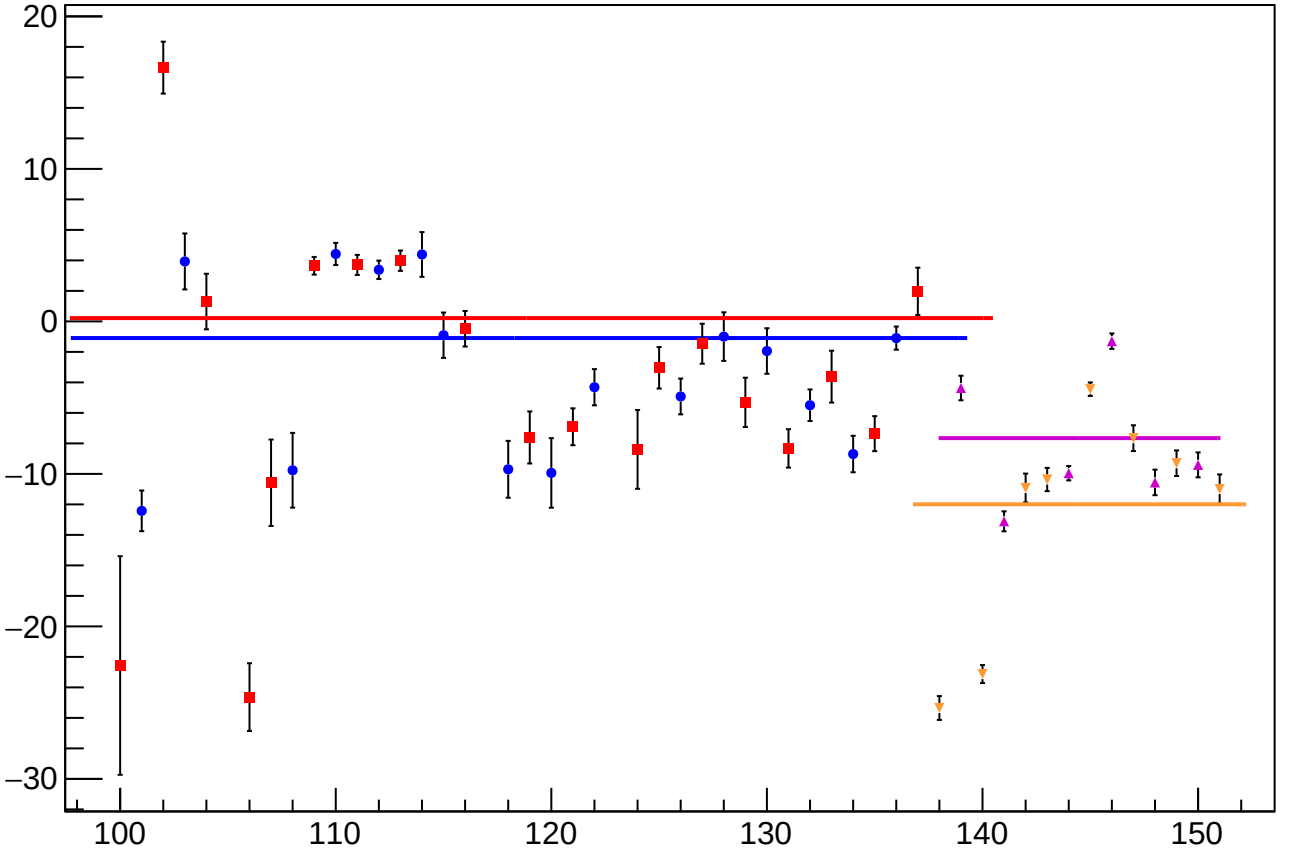
Left In: 0.259+/-0.011 χ^2/NDF:87.9/5

+ sign 0.217+/-0.008 χ^2/NDF: 368.1/23

All: 0.203+/-0.006 χ^2/NDF: 708.4/48

- sign 0.188+/-0.008 χ^2/NDF: 334.2/24

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -11.994+/-0.247 χ^2/NDF:981.3/7

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

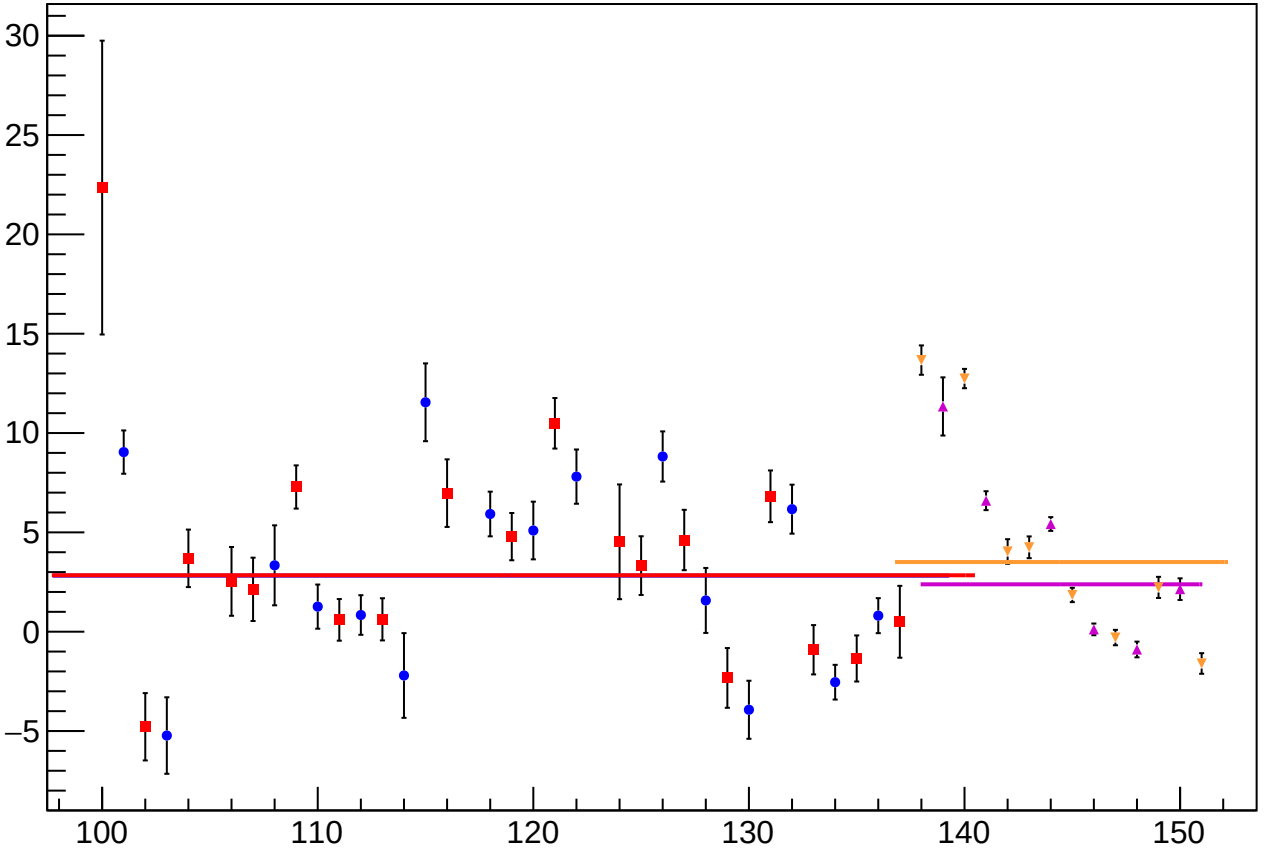
Left In: -7.653+/-0.256 χ^2/NDF:283.8/5

+ sign -7.230+/-0.185 χ^2/NDF: 2163.2/23

All: -5.540+/-0.131 χ^2/NDF: 3586.4/48

- sign -3.864+/-0.185 χ^2/NDF: 1257.8/24

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 2.823+/-0.313 χ^2/NDF: 199.6/15

Left Out: 3.507+/-0.173 χ^2/NDF:771.7/7

Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

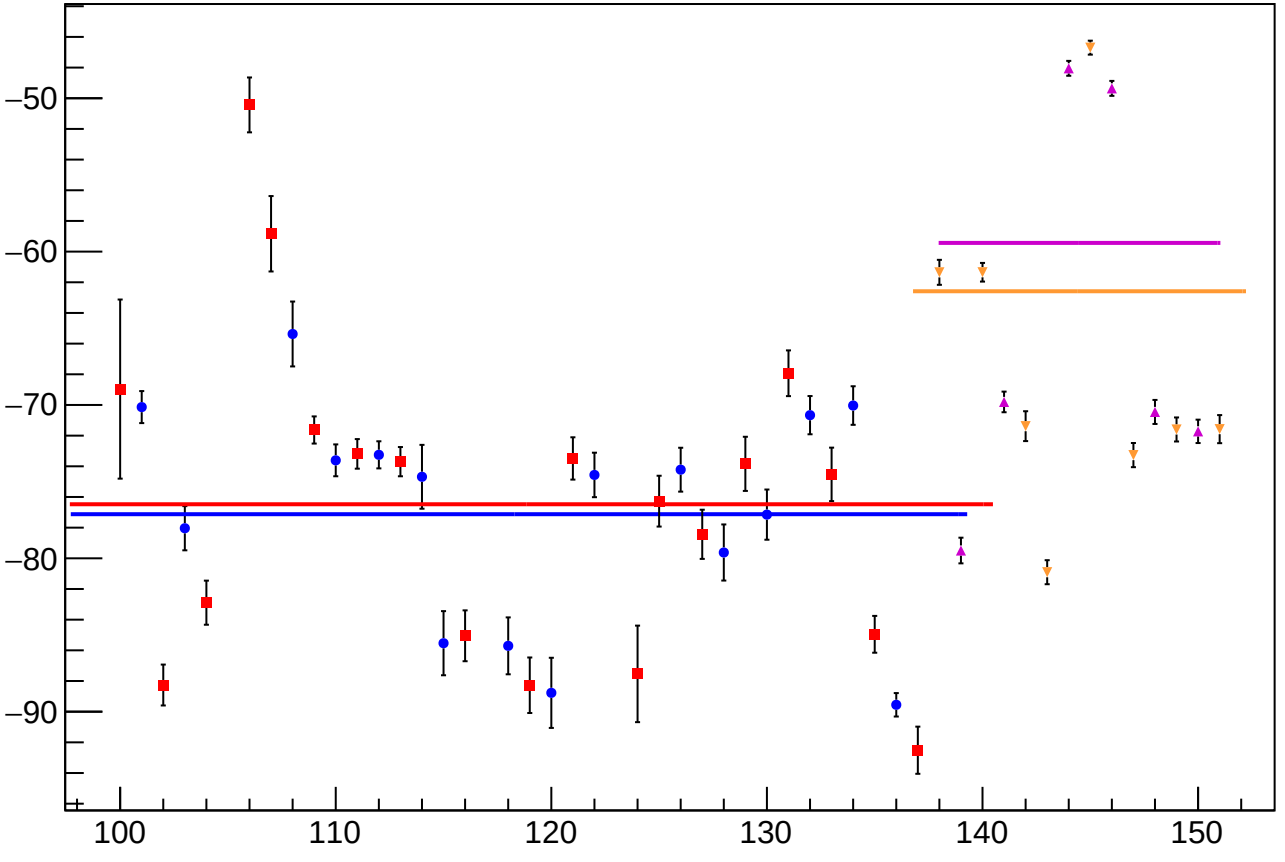
Left In: 2.385+/-0.170 χ^2/NDF:320.7/5

+ sign 3.348+/-0.151 χ^2/NDF: 974.9/23

All: 2.914+/-0.107 χ^2/NDF: 1458.5/48

- sign 2.484+/-0.151 χ^2/NDF: 467.2/24

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -62.585+/-0.249 χ^2/NDF:2263.1/7

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

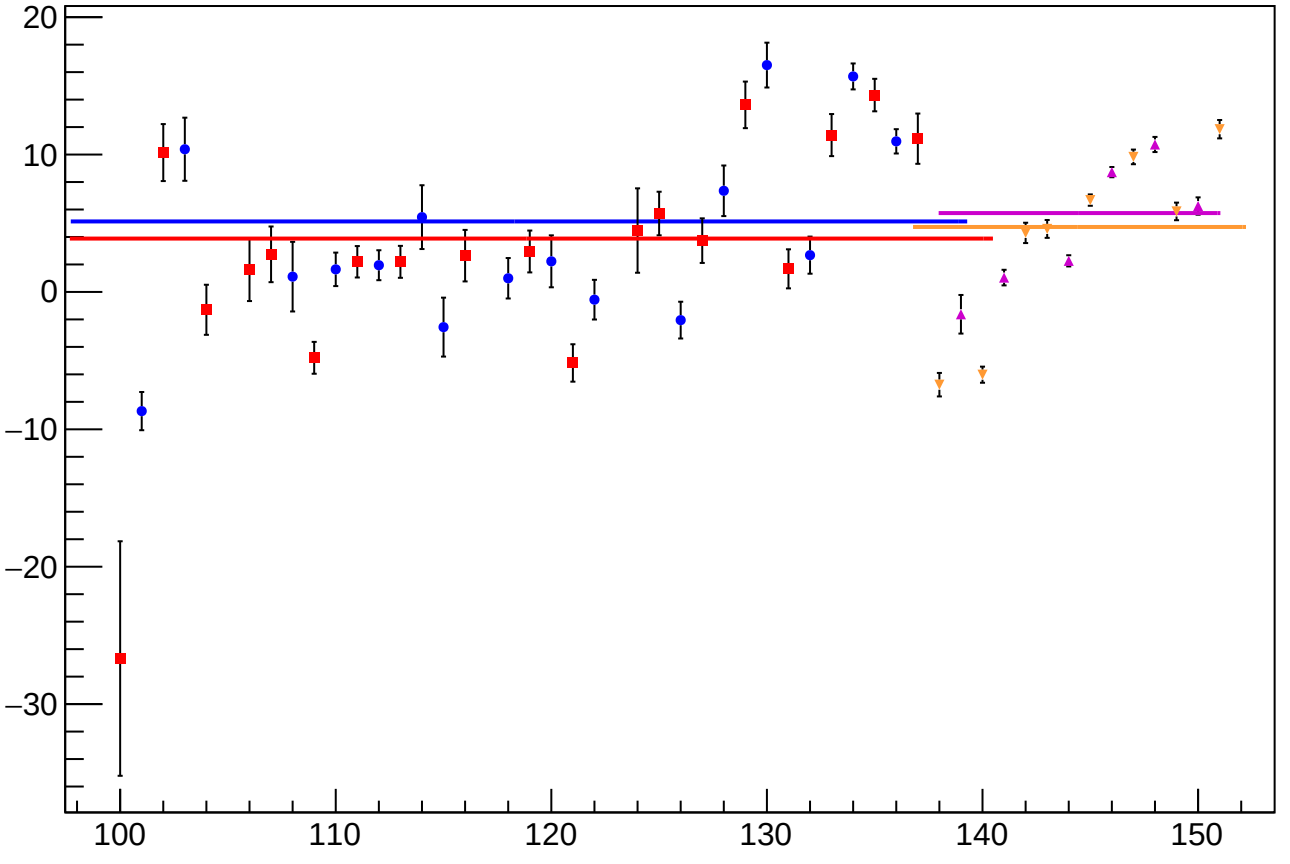
Left In: -59.433+/-0.255 χ^2/NDF:2246.5/5

+ sign -67.934+/-0.198 χ^2/NDF: 4021.3/23

All: -66.897+/-0.141 χ^2/NDF: 8701.2/48

- sign -65.826+/-0.201 χ^2/NDF: 4624.1/24

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: 4.729+/-0.211 χ^2/NDF:747.0/7

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

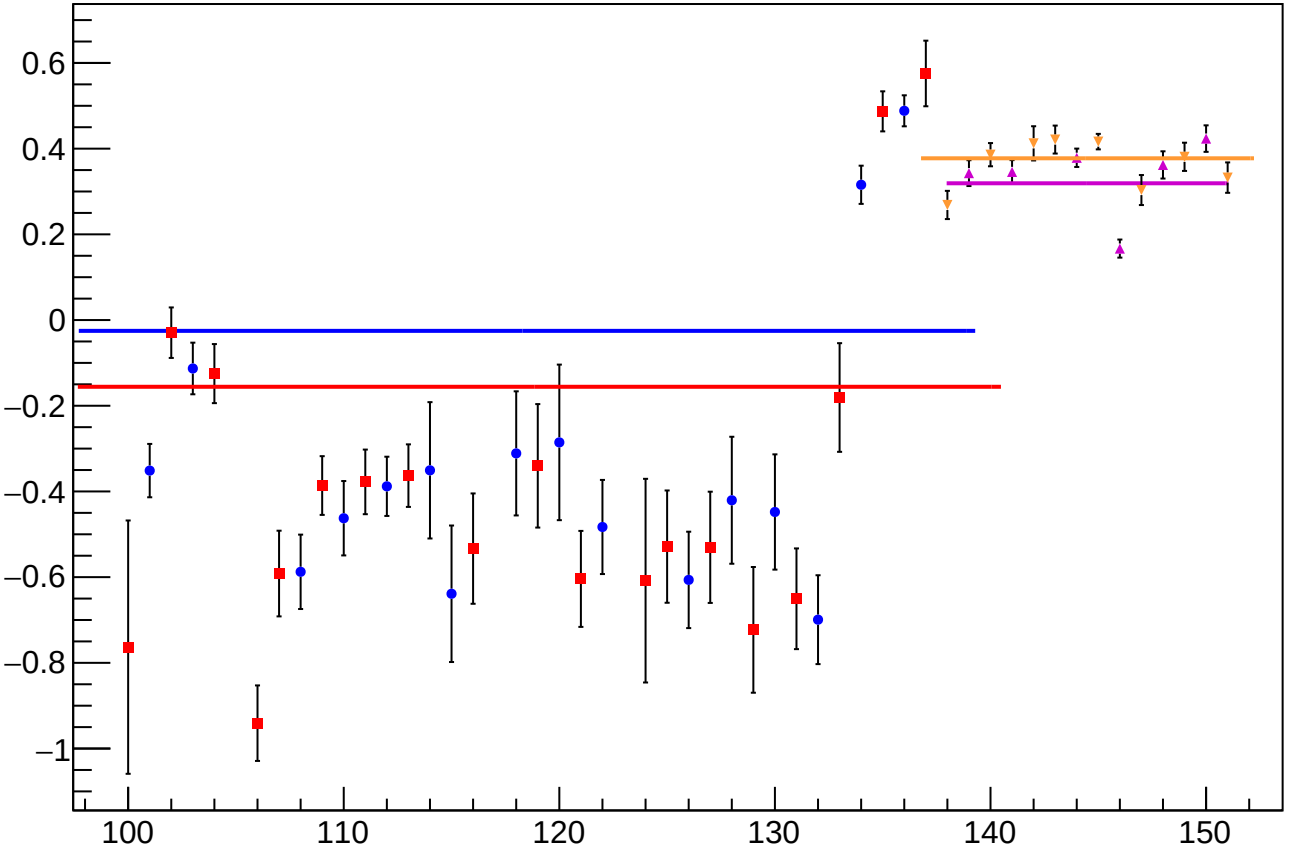
Left In: 5.740+/-0.210 χ^2/NDF:315.8/5

+ sign 4.836+/-0.181 χ^2/NDF: 1160.3/23

All: 5.053+/-0.128 χ^2/NDF: 1790.2/48

- sign 5.272+/-0.182 χ^2/NDF: 627.0/24

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.377+/-0.010 χ^2/NDF:24.3/7

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

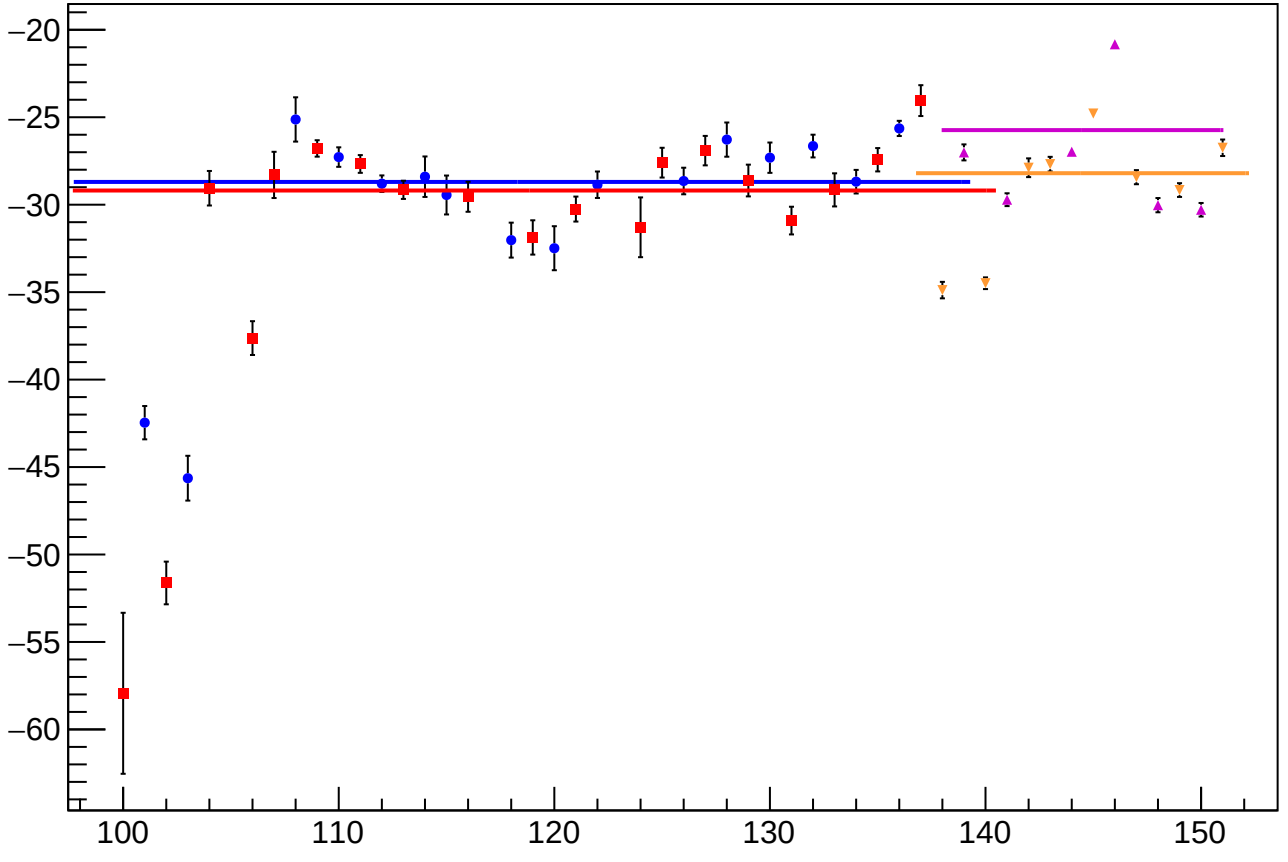
Left In: 0.319+/-0.011 χ^2/NDF:74.6/5

+ sign 0.286+/-0.009 χ^2/NDF: 885.7/23

All: 0.252+/-0.007 χ^2/NDF: 1916.1/48

- sign 0.217+/-0.009 χ^2/NDF: 1002.2/24

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -28.698+/-0.186 χ^2/NDF: 487.3/15

Left Out: -28.199+/-0.125 χ^2/NDF:855.6/7

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

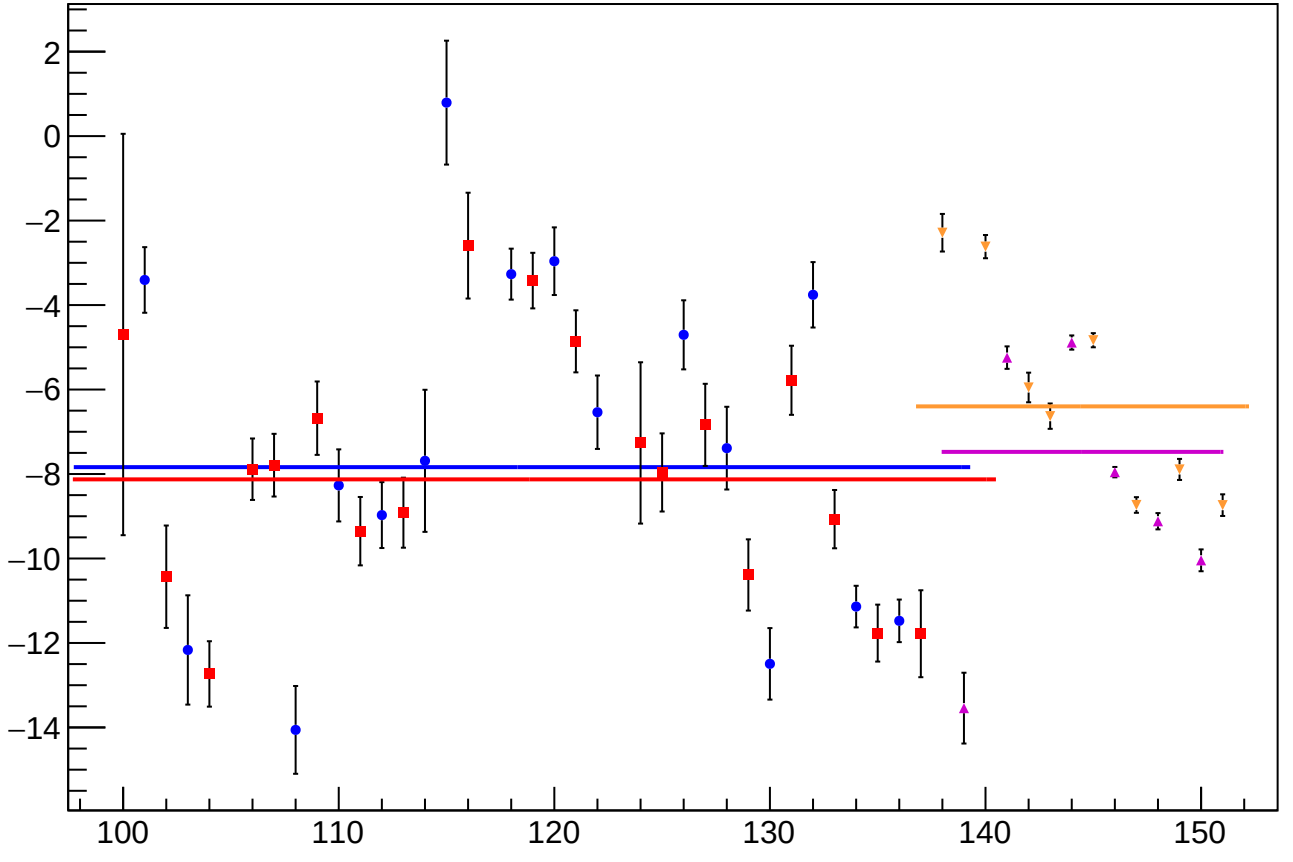
Left In: -25.736+/-0.122 χ^2/NDF:970.3/5

+ sign -28.354+/-0.104 χ^2/NDF: 1347.8/23

All: -27.561+/-0.072 χ^2/NDF: 3240.1/48

- sign -26.808+/-0.101 χ^2/NDF: 1778.0/24

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -6.399+/-0.087 χ^2/NDF:642.0/7

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

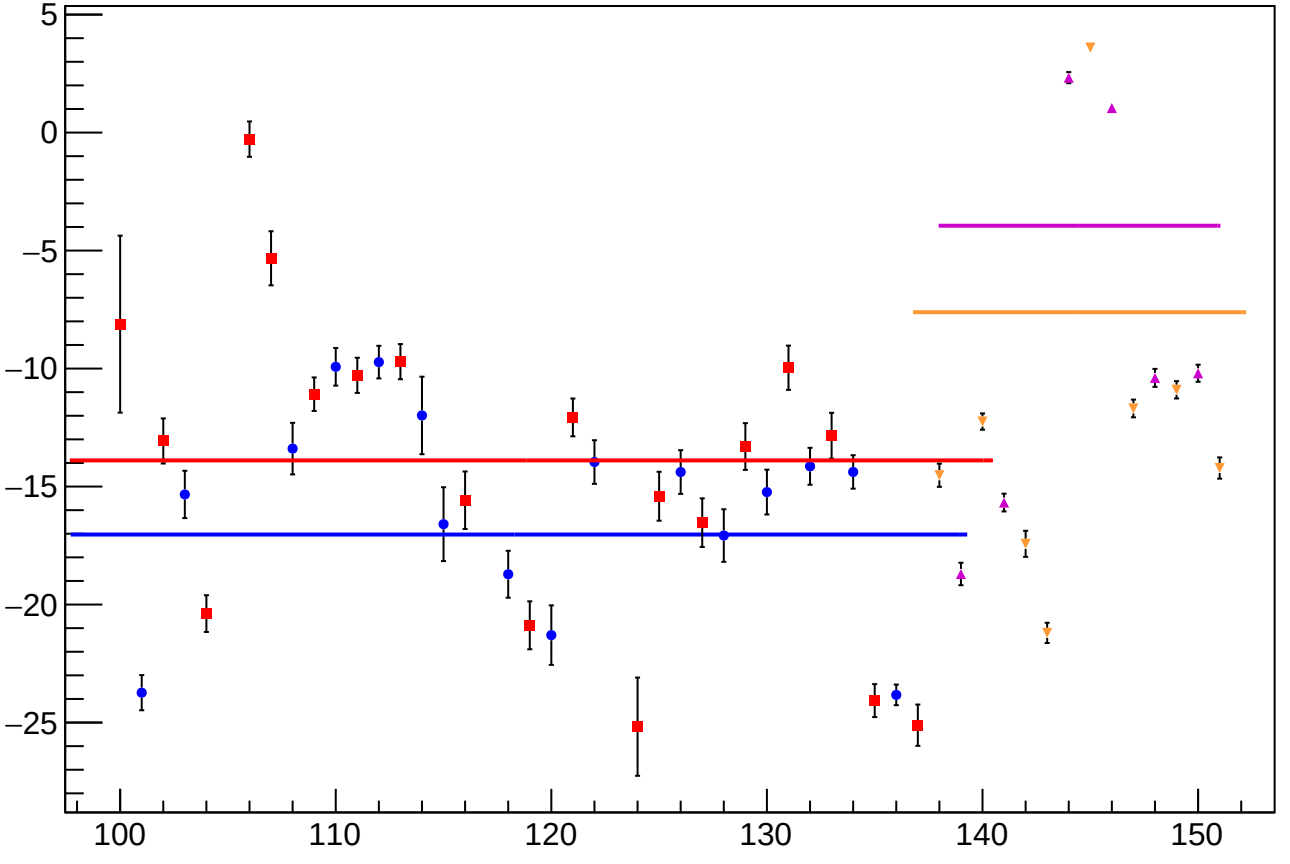
Left In: -7.476+/-0.079 χ^2/NDF:546.0/5

+ sign -6.636+/-0.079 χ^2/NDF: 1070.7/23

All: -7.135+/-0.054 χ^2/NDF: 1897.9/48

- sign -7.567+/-0.074 χ^2/NDF: 752.8/24

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -7.612+/-0.125 χ^2/NDF:5014.7/7

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

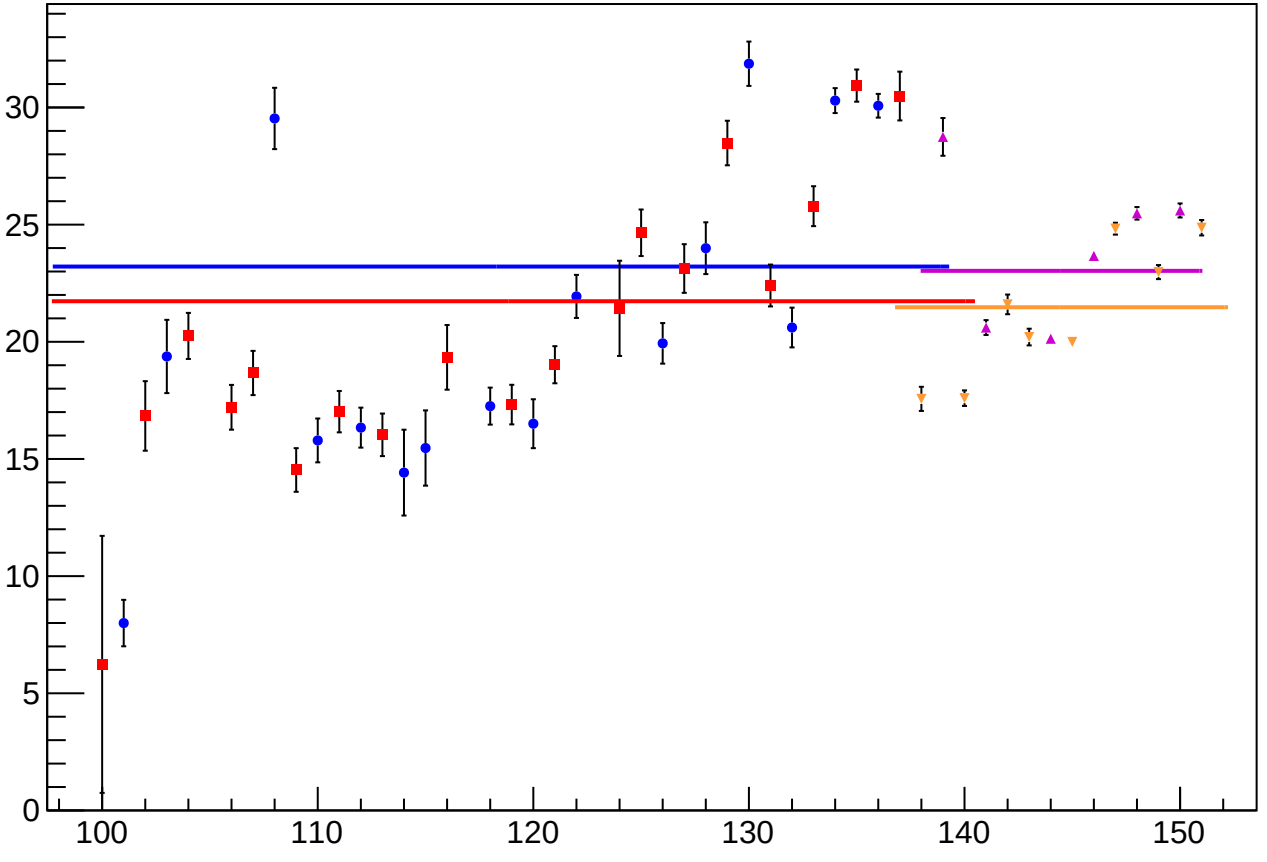
Left In: -3.947+/-0.120 χ^2/NDF:3859.8/5

+ sign -10.094+/-0.107 χ^2/NDF: 7107.0/23

All: -8.193+/-0.075 χ^2/NDF: 14289.8/48

- sign -6.408+/-0.104 χ^2/NDF: 6575.9/24

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 21.475+/-0.106 χ^2/NDF:571.8/7

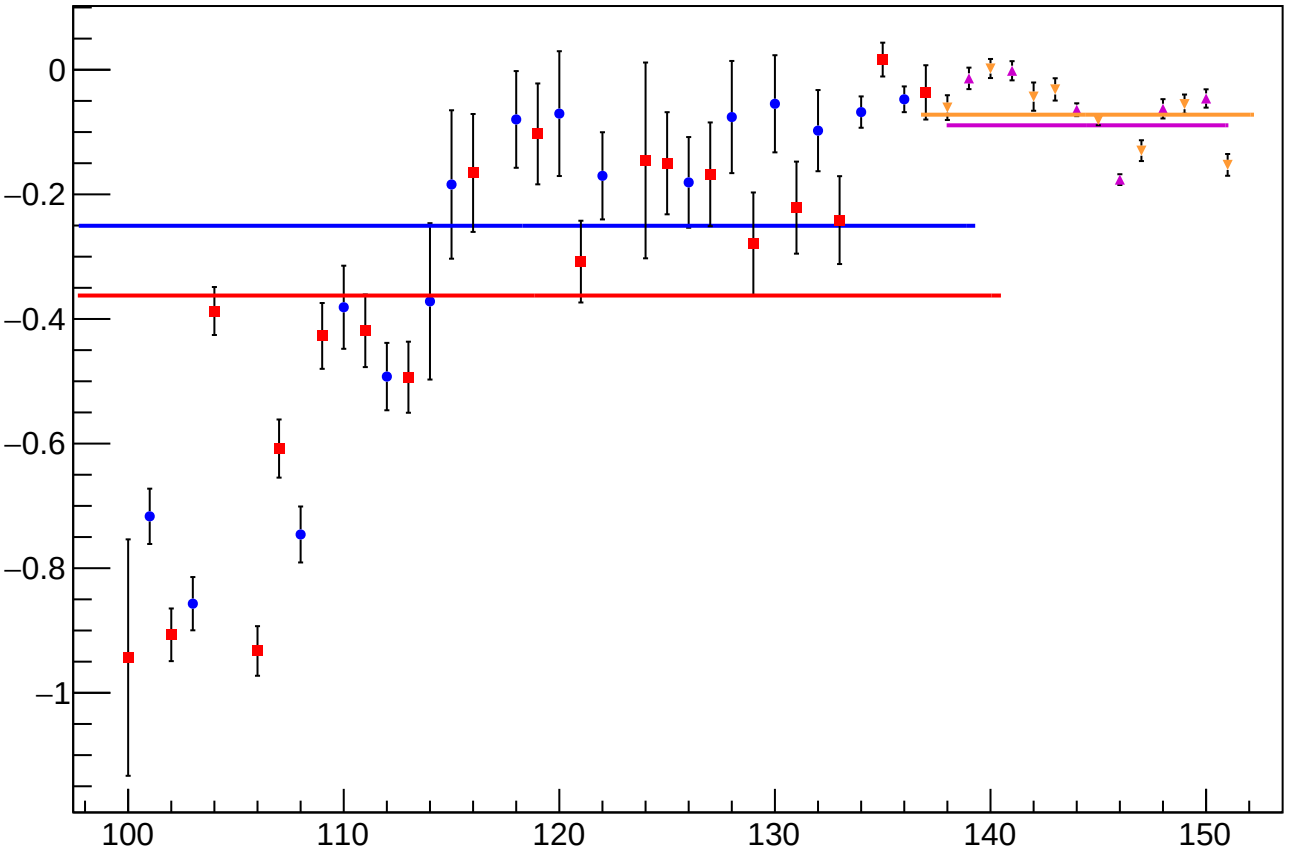
Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

Left In: 23.028+/-0.098 χ^2/NDF:499.1/5

+ sign 21.805+/-0.095 χ^2/NDF: 1631.3/23

All: 22.343+/-0.065 χ^2/NDF: 2777.0/48

- sign 22.821+/-0.090 χ^2/NDF: 1085.4/24



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.072+/-0.005 χ^2/NDF:66.0/7

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

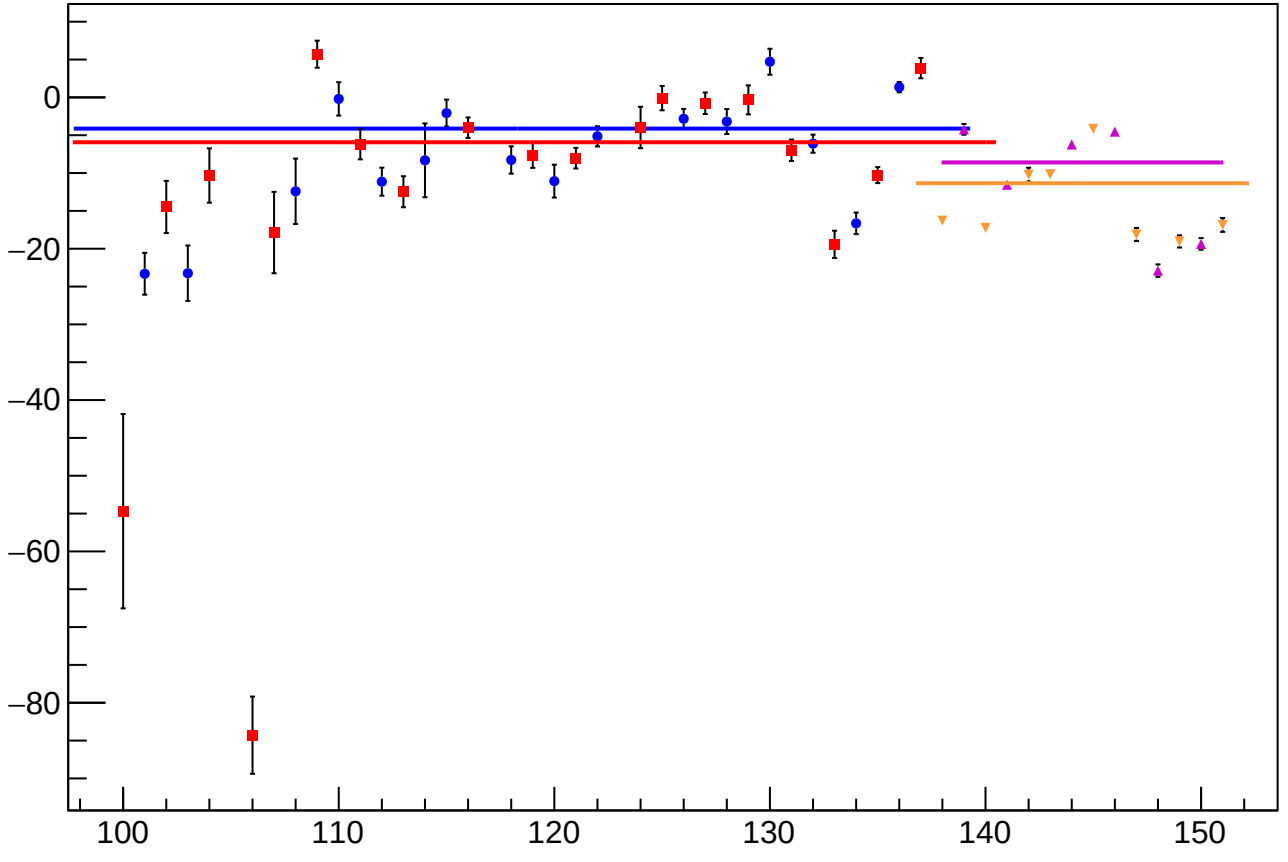
Left In: -0.089+/-0.005 χ^2/NDF:170.6/5

+ sign -0.101+/-0.005 χ^2/NDF: 895.2/23

All: -0.115+/-0.003 χ^2/NDF: 2206.1/48

- sign -0.128+/-0.005 χ^2/NDF: 1294.3/24

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -11.344+/-0.221 χ^2/NDF:747.8/7

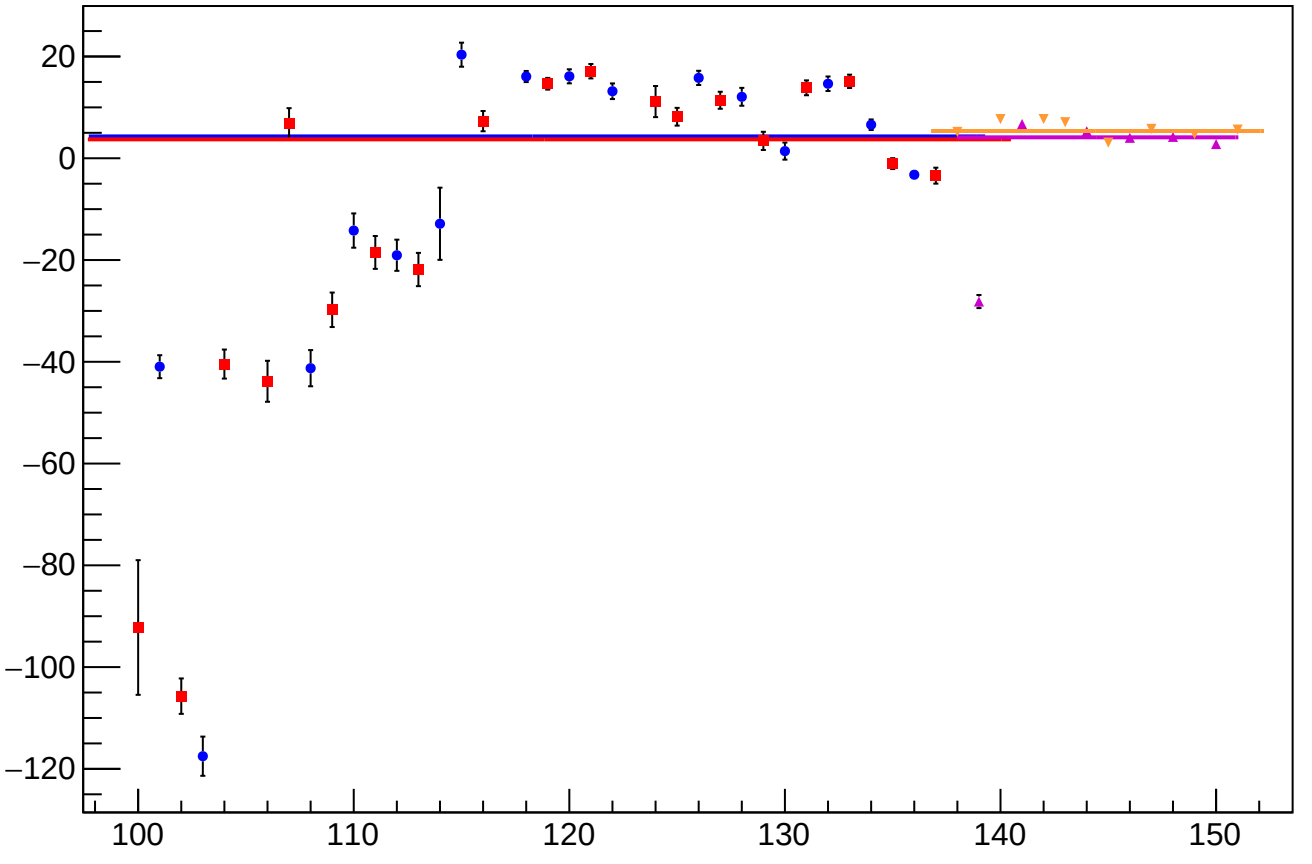
Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

Left In: -8.597+/-0.227 χ^2/NDF:689.3/5

+ sign -9.528+/-0.191 χ^2/NDF: 1303.5/23

All: -8.775+/-0.138 χ^2/NDF: 2540.2/48

- sign -7.968+/-0.198 χ^2/NDF: 1204.7/24



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 5.358+/-0.158 χ^2/NDF:115.7/7

Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

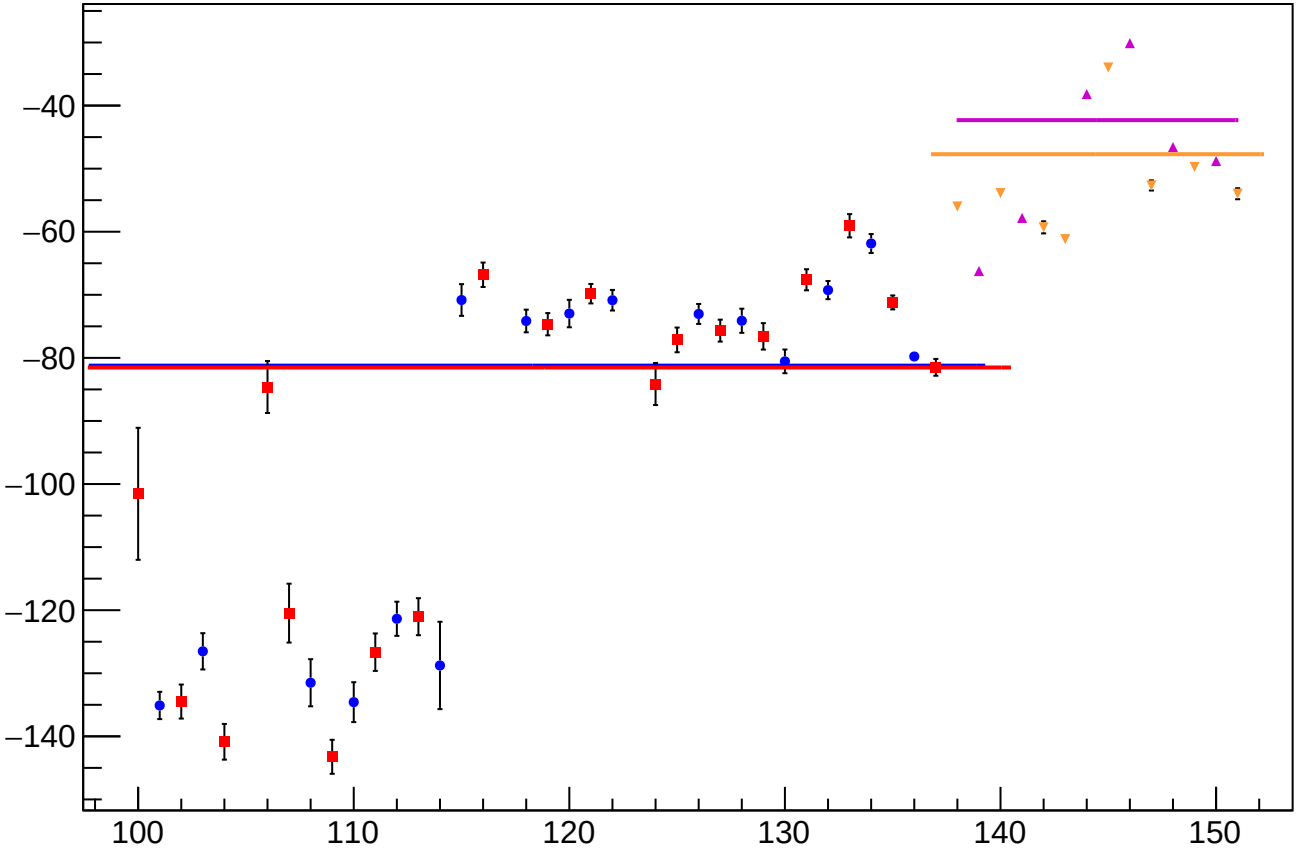
Left In: 4.113+/-0.153 χ^2/NDF:684.8/5

+ sign 5.204+/-0.146 χ^2/NDF: 2291.3/23

All: 4.626+/-0.103 χ^2/NDF: 5014.8/48

- sign 4.067+/-0.144 χ^2/NDF: 2692.8/24

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -47.709+/-0.224 χ^2/NDF:2208.8/7

Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

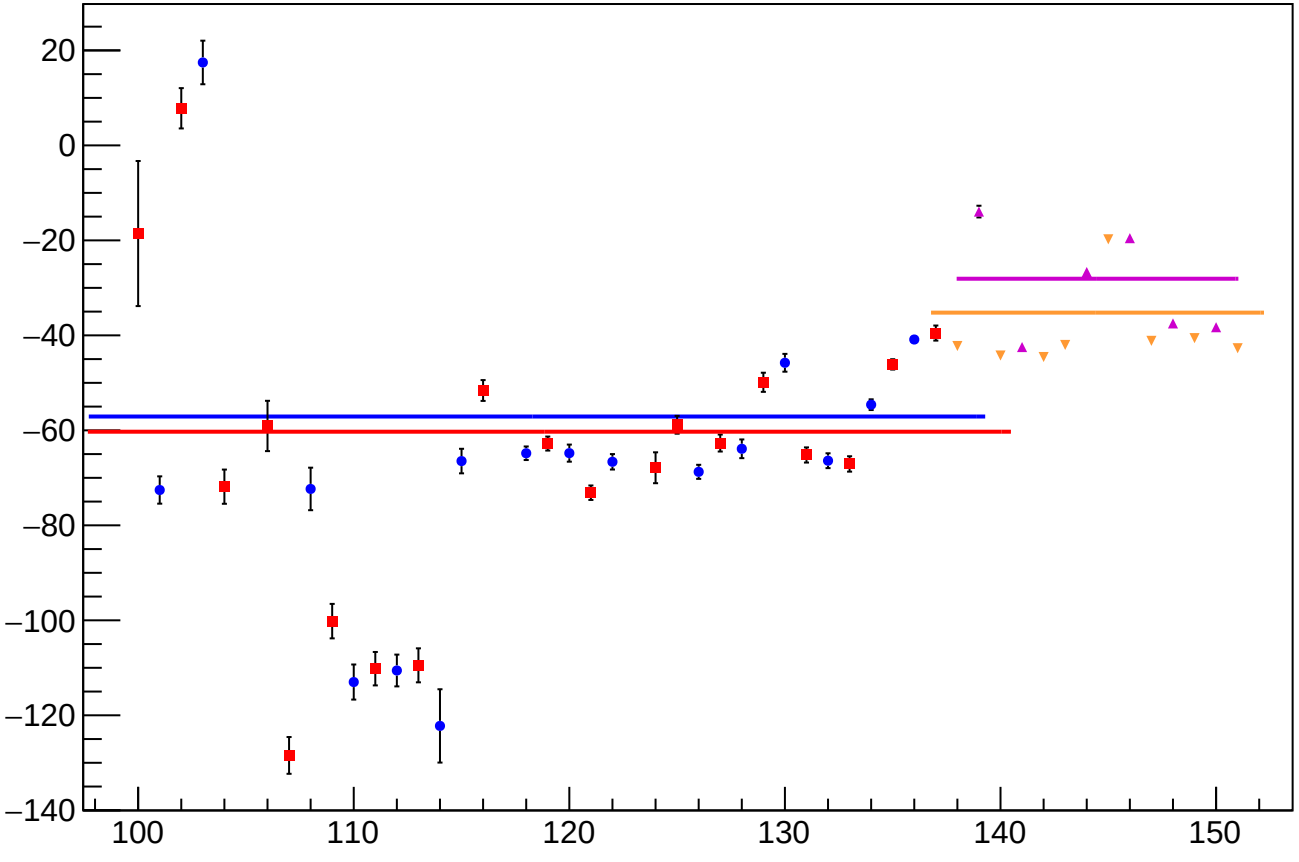
Left In: -42.311+/-0.225 χ^2/NDF:2796.5/5

+ sign -55.214+/-0.197 χ^2/NDF: 9199.5/23

All: -52.595+/-0.141 χ^2/NDF: 20481.2/48

- sign -49.841+/-0.202 χ^2/NDF: 10920.1/24

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -35.214+/-0.192 χ^2/NDF:3058.2/7

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

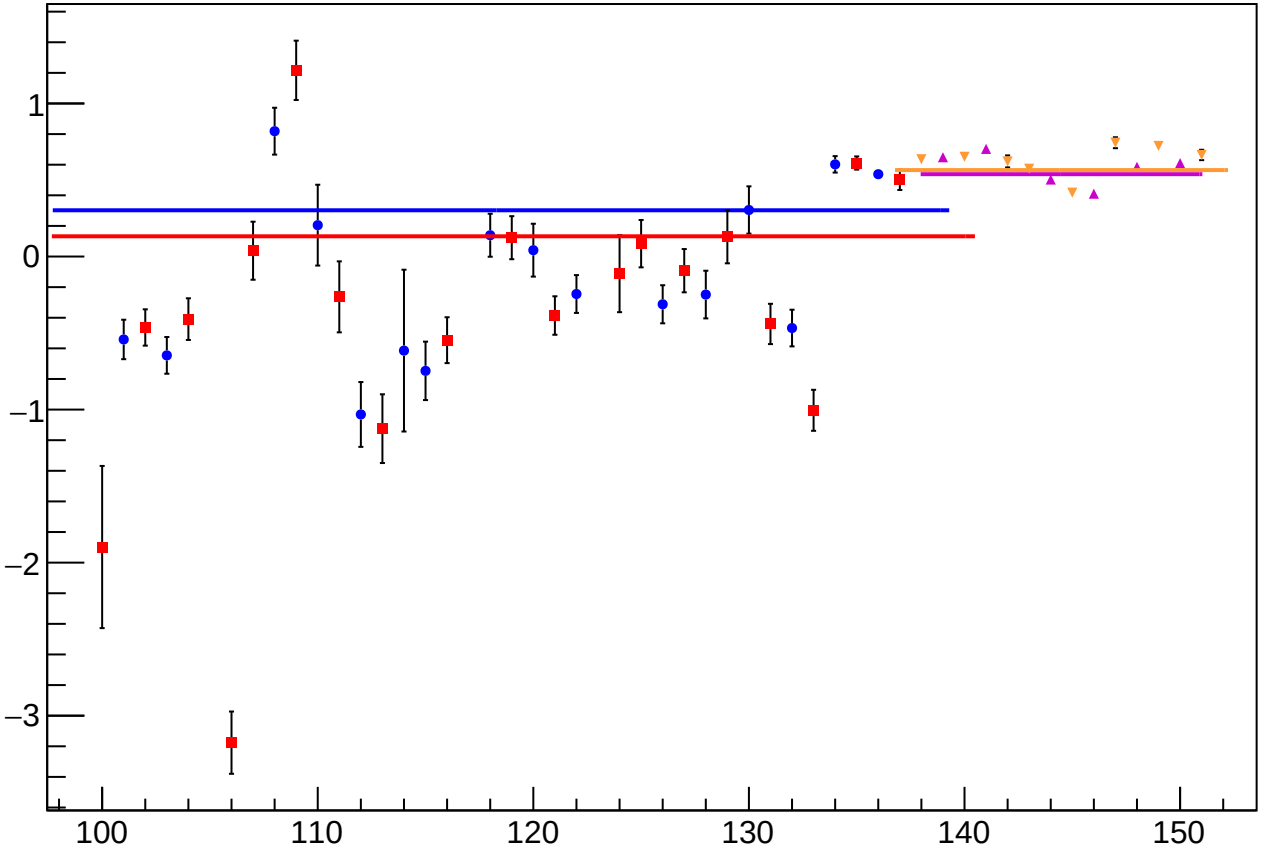
Left In: -28.077+/-0.188 χ^2/NDF:2204.3/5

+ sign -38.904+/-0.175 χ^2/NDF: 6779.8/23

All: -35.692+/-0.123 χ^2/NDF: 15295.4/48

- sign -32.503+/-0.174 χ^2/NDF: 7843.0/24

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.302+/-0.023 χ^2/NDF: 374.8/15

Left Out: 0.565+/-0.009 χ^2/NDF:175.4/7

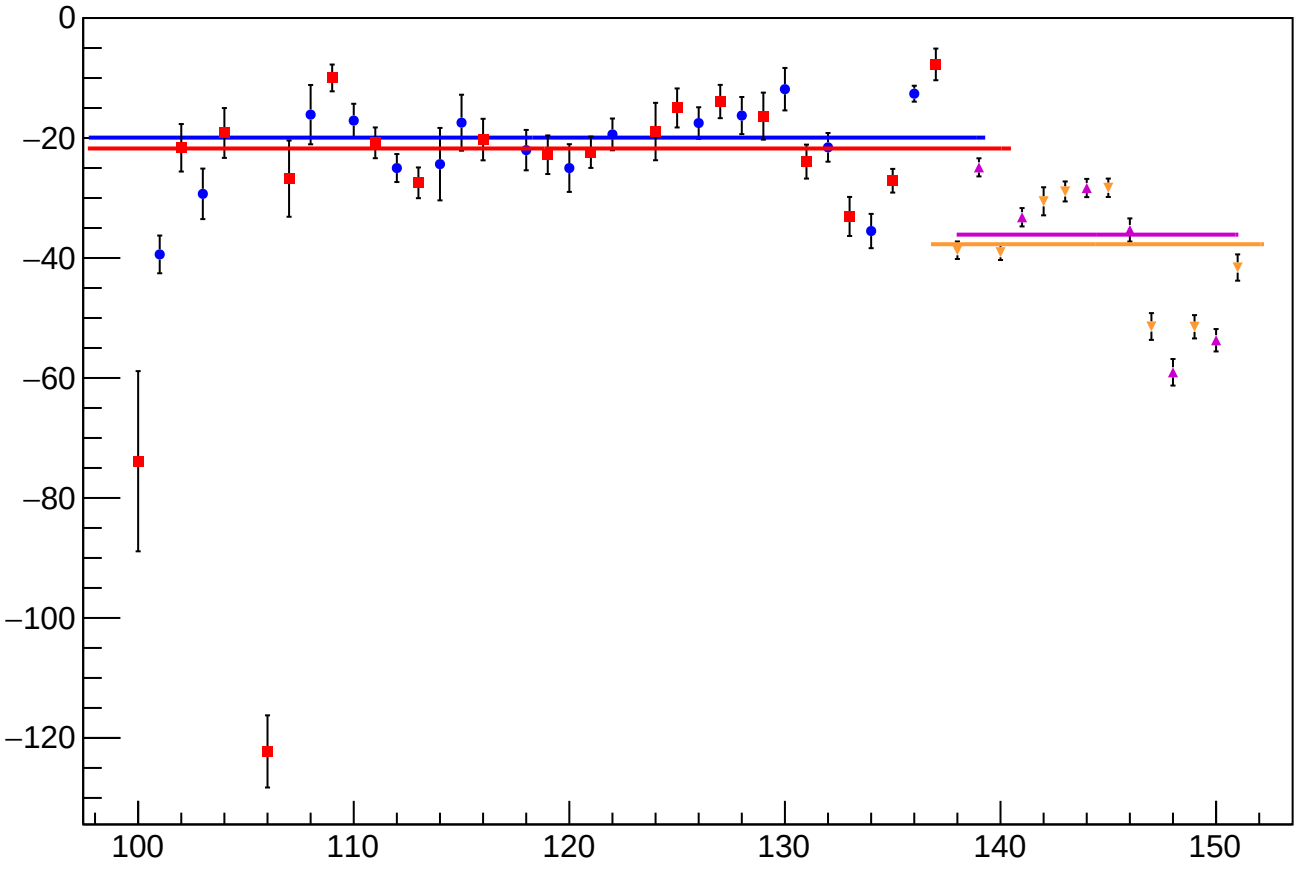
Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

Left In: 0.538+/-0.009 χ^2/NDF:123.8/5

+ sign 0.528+/-0.009 χ^2/NDF: 663.0/23

All: 0.511+/-0.006 χ^2/NDF: 1675.9/48

- sign 0.493+/-0.009 χ^2/NDF: 1004.5/24



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

Left Out: -37.704+/-0.608 χ^2/NDF:167.4/7

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

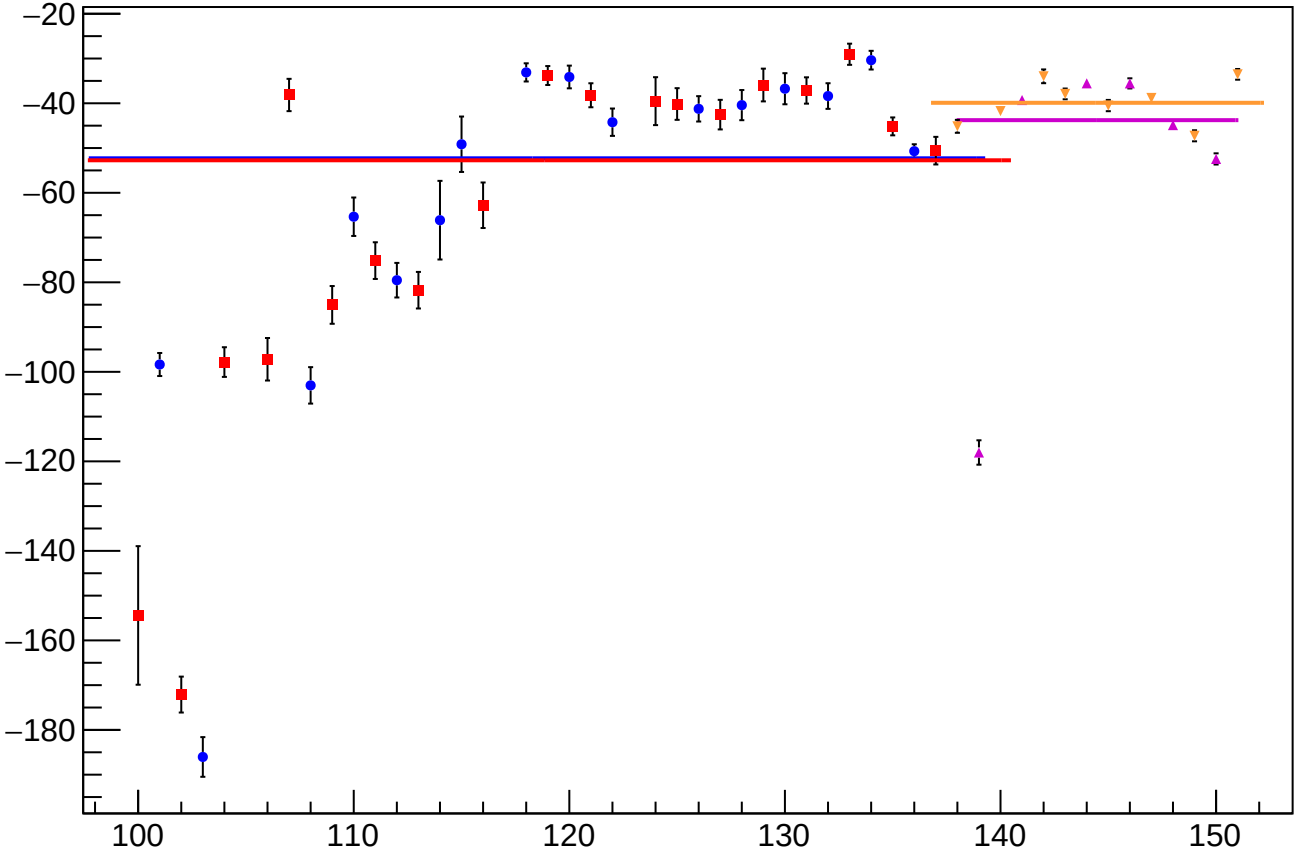
Left In: -36.107+/-0.697 χ^2/NDF:281.5/5

+ sign -30.000+/-0.457 χ^2/NDF: 658.5/23

All: -29.588+/-0.337 χ^2/NDF: 1537.4/48

- sign -29.098+/-0.499 χ^2/NDF: 877.1/24

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -39.891+/-0.431 χ^2/NDF:98.8/7

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

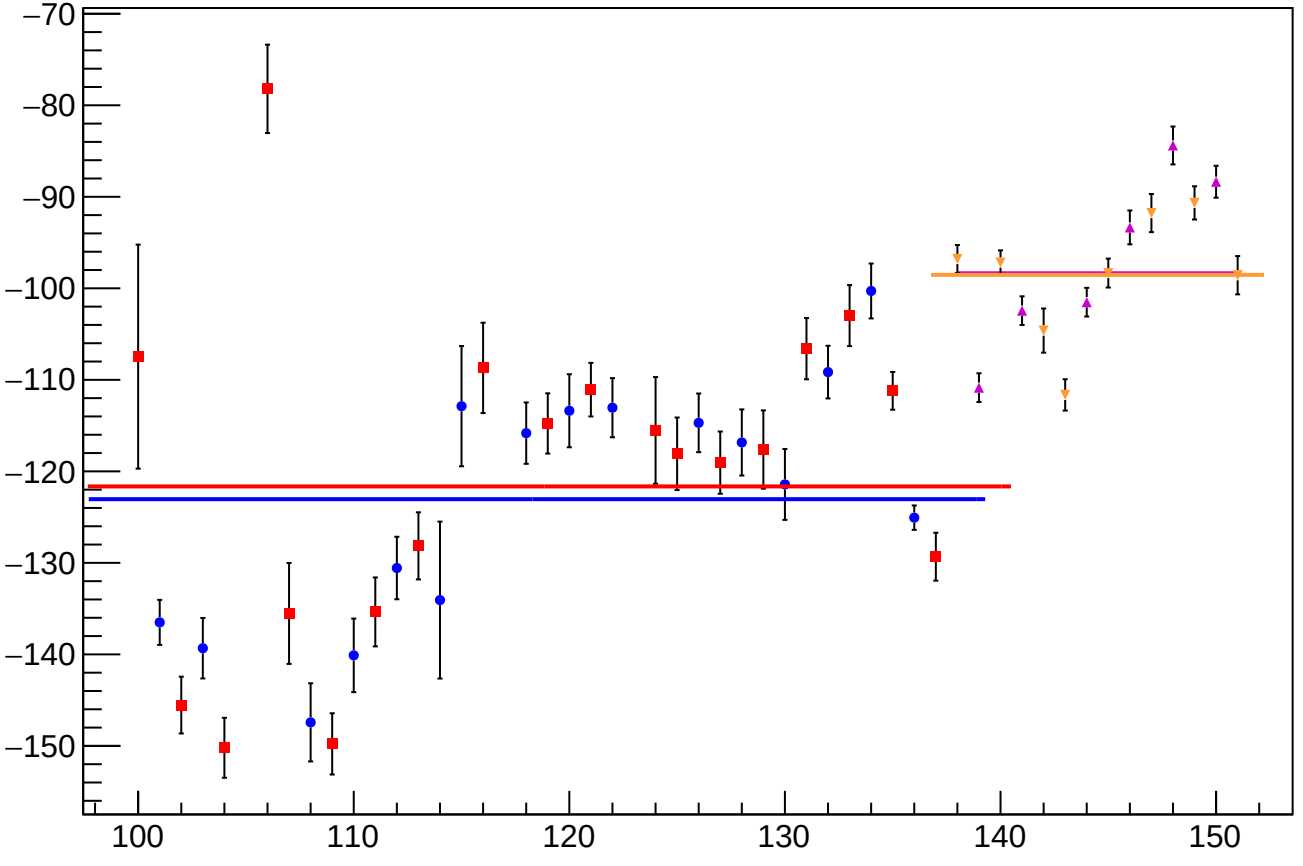
Left In: -43.770+/-0.497 χ^2/NDF:913.1/5

+ sign -43.250+/-0.368 χ^2/NDF: 2100.8/23

All: -44.693+/-0.275 χ^2/NDF: 4810.8/48

- sign -46.517+/-0.414 χ^2/NDF: 2675.3/24

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -123.039+/-0.750 χ^2/NDF: 226.8/15

Left Out: -98.529+/-0.612 χ^2/NDF:96.6/7

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

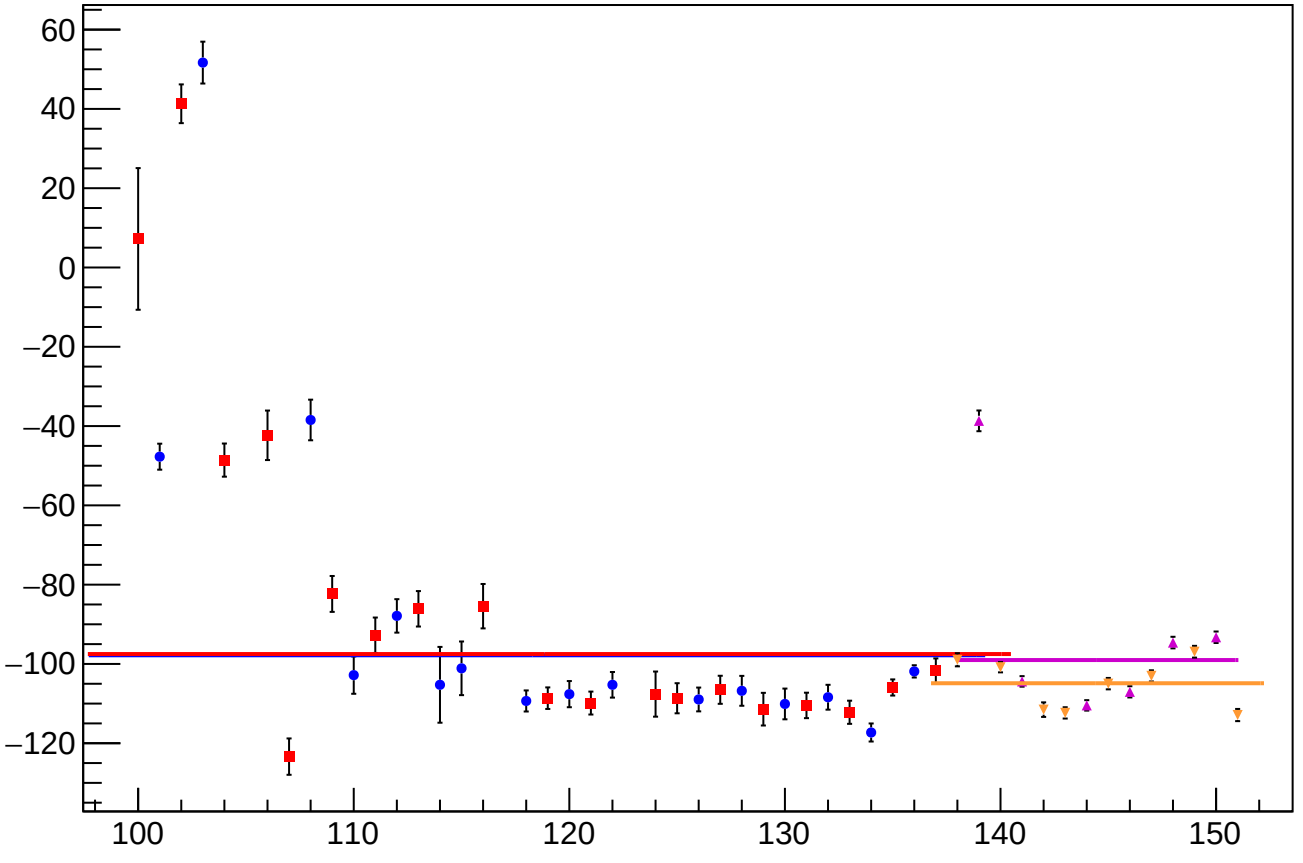
Left In: -98.355+/-0.695 χ^2/NDF:159.7/5

+ sign -108.327+/-0.474 χ^2/NDF: 964.5/23

All: -108.337+/-0.352 χ^2/NDF: 2031.1/48

- sign -108.349+/-0.525 χ^2/NDF: 1066.6/24

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -97.814+/-0.793 χ^2/NDF: 1330.8/15

Left Out: -104.869+/-0.526 χ^2/NDF:120.7/7

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

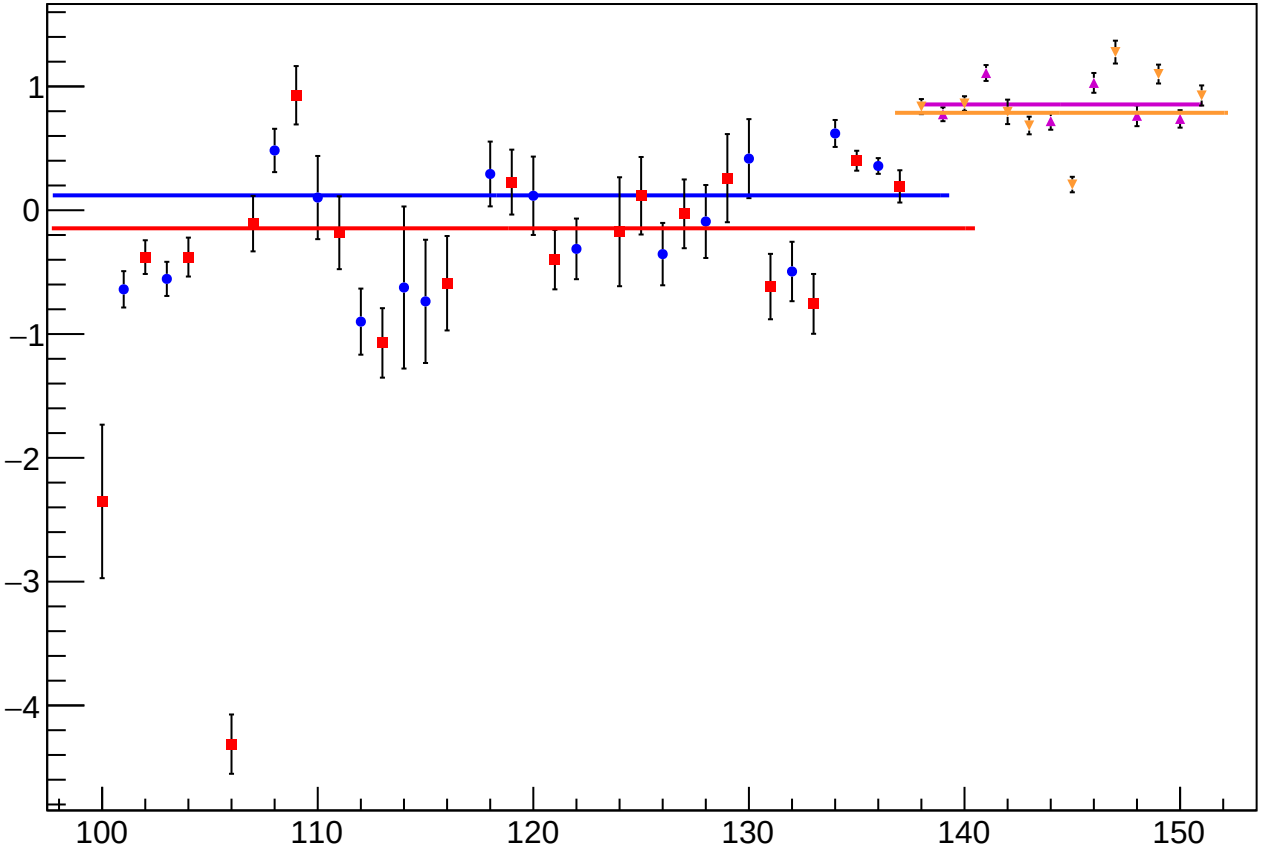
Left In: -99.018+/-0.605 χ^2/NDF:680.9/5

+ sign -102.711+/-0.439 χ^2/NDF: 1506.4/23

All: -100.845+/-0.327 χ^2/NDF: 3466.7/48

- sign -98.503+/-0.491 χ^2/NDF: 1919.5/24

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/15

Left Out: 0.787+/-0.025 χ^2/NDF:138.1/7

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

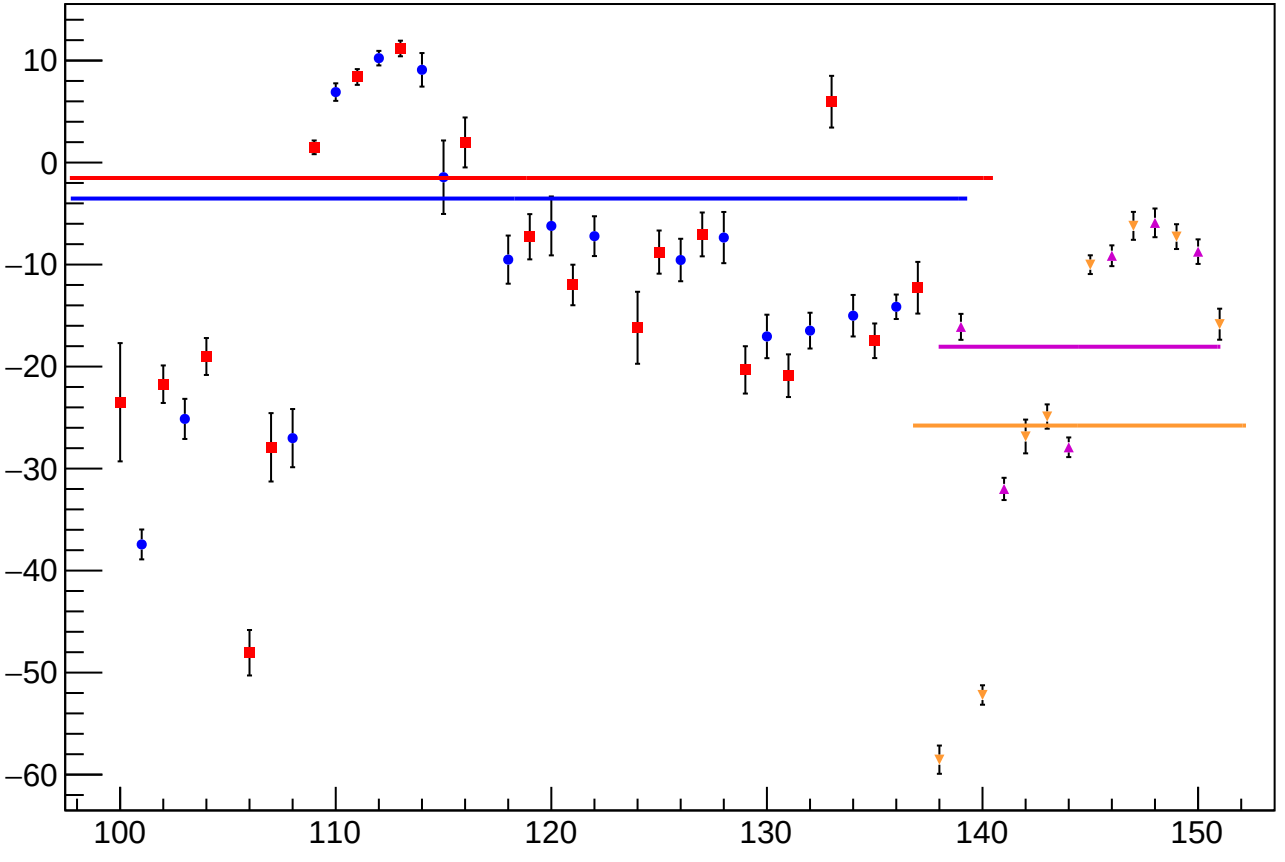
Left In: 0.855+/-0.028 χ^2/NDF:30.0/5

+ sign 0.604+/-0.022 χ^2/NDF: 451.8/23

All: 0.590+/-0.016 χ^2/NDF: 1260.6/48

- sign 0.572+/-0.024 χ^2/NDF: 807.9/24

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -3.527+/-0.377 χ^2/NDF: 1529.1/15

Left Out: -25.781+/-0.426 χ^2/NDF:2101.0/7

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

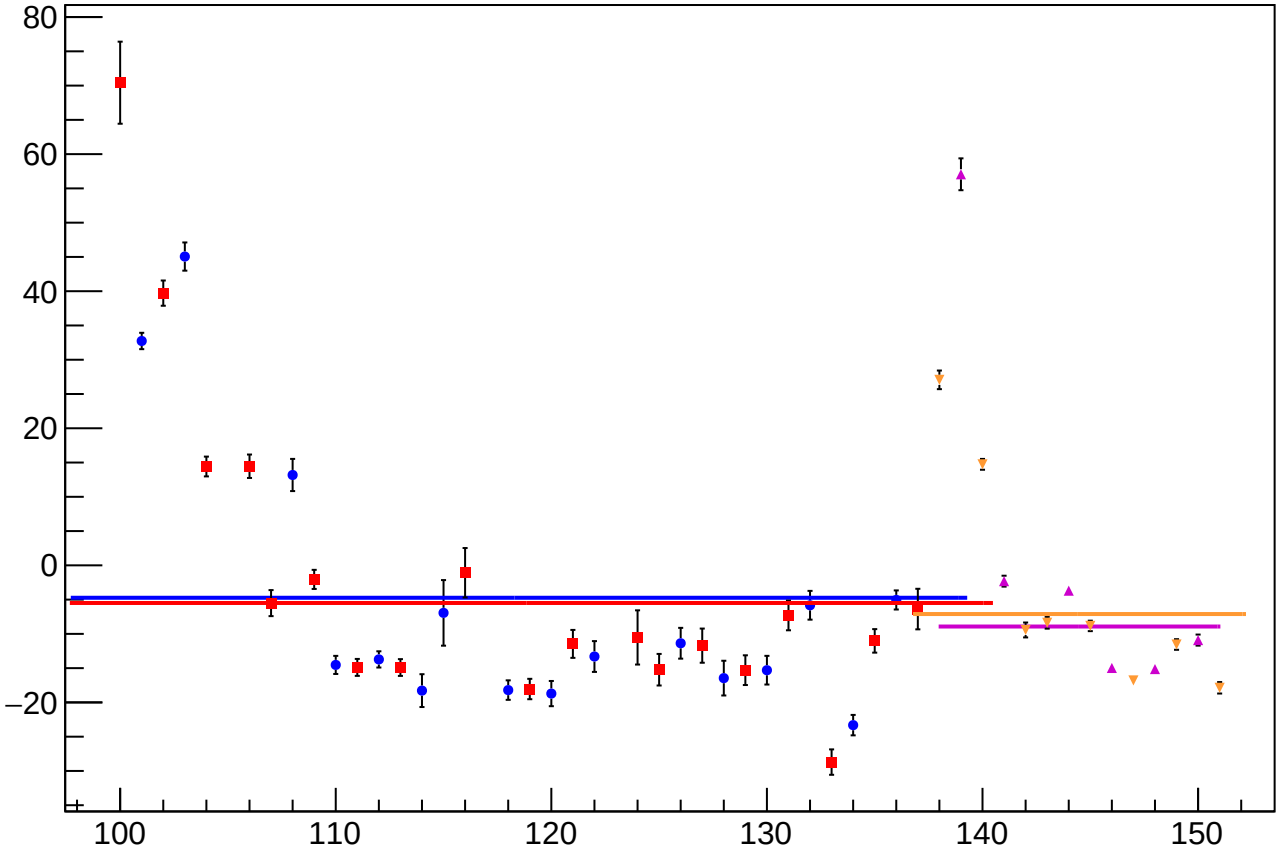
Left In: -18.054+/-0.462 χ^2/NDF:481.7/5

+ sign -13.299+/-0.282 χ^2/NDF: 5162.0/23

All: -10.199+/-0.196 χ^2/NDF: 8237.4/48

- sign -7.297+/-0.273 χ^2/NDF: 2841.6/24

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: -7.105+/-0.293 χ^2/NDF:1840.1/7

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

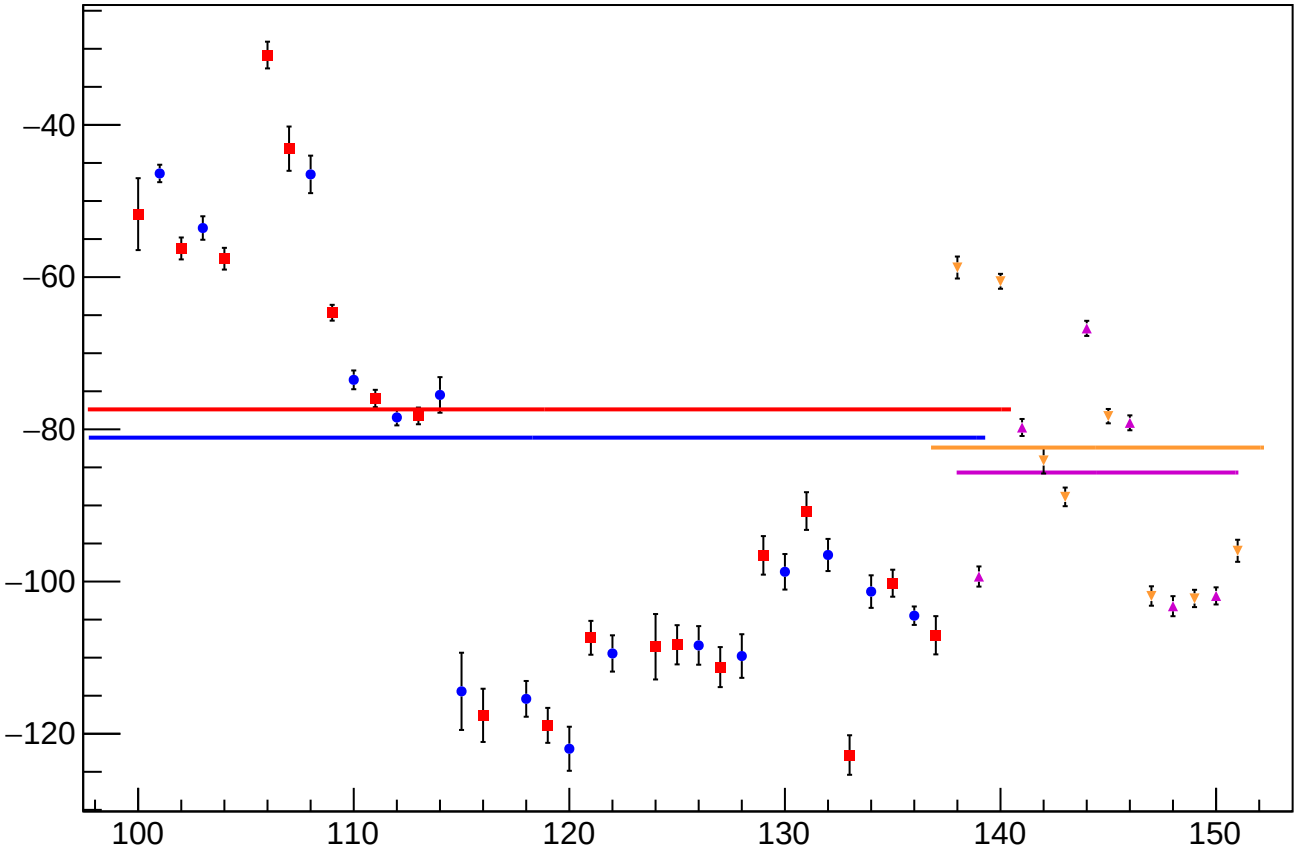
Left In: -8.927+/-0.314 χ^2/NDF:1118.6/5

+ sign -6.353+/-0.242 χ^2/NDF: 4008.8/23

All: -7.004+/-0.175 χ^2/NDF: 6693.7/48

- sign -7.705+/-0.252 χ^2/NDF: 2669.9/24

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -82.394+/-0.426 χ^2/NDF:1437.6/7

Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

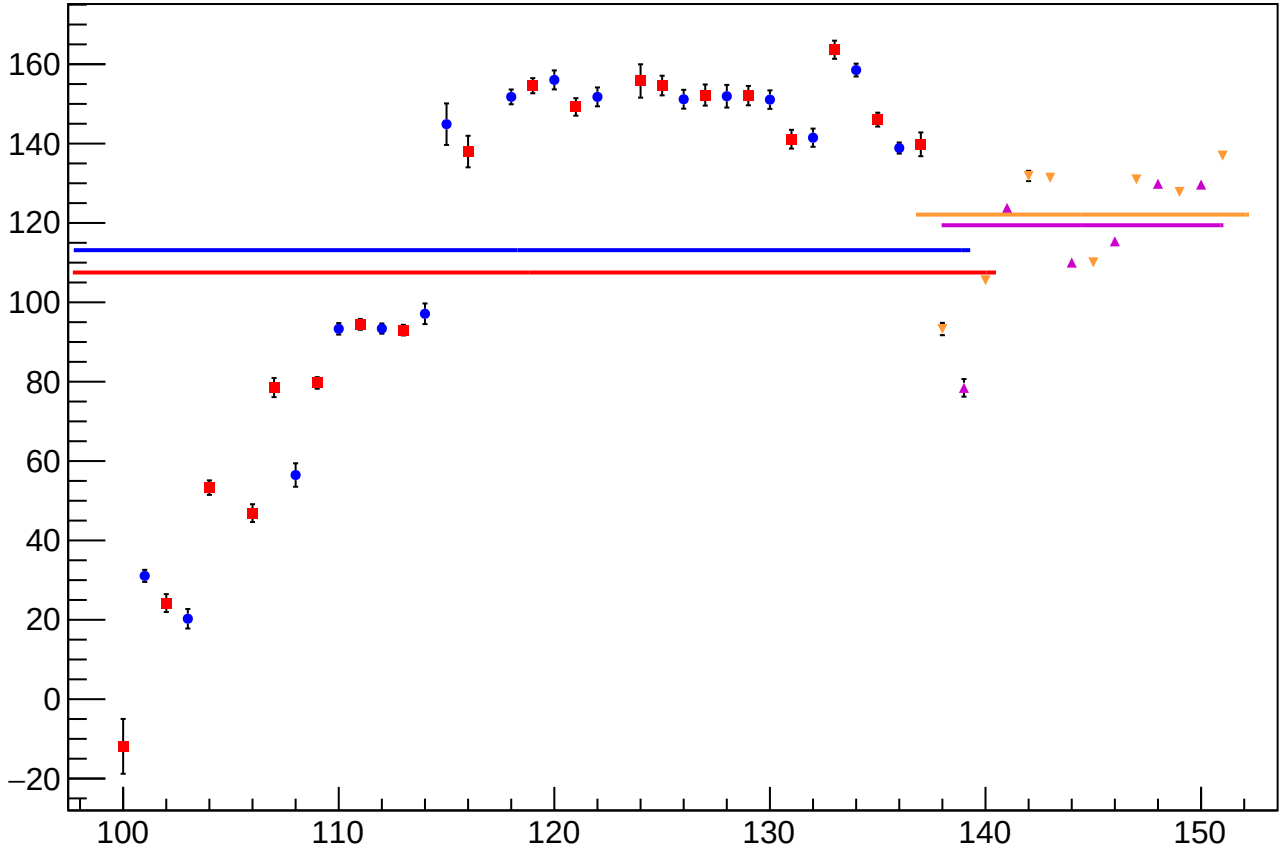
Left In: -85.676+/-0.457 χ^2/NDF:928.1/5

+ sign -81.762+/-0.305 χ^2/NDF: 4312.4/23

All: -81.458+/-0.217 χ^2/NDF: 8552.2/48

- sign -81.149+/-0.308 χ^2/NDF: 4237.8/24

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 113.143+/-0.489 χ^2/NDF: 8204.1/15

Left Out: 122.104+/-0.359 χ^2/NDF:1311.5/7

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

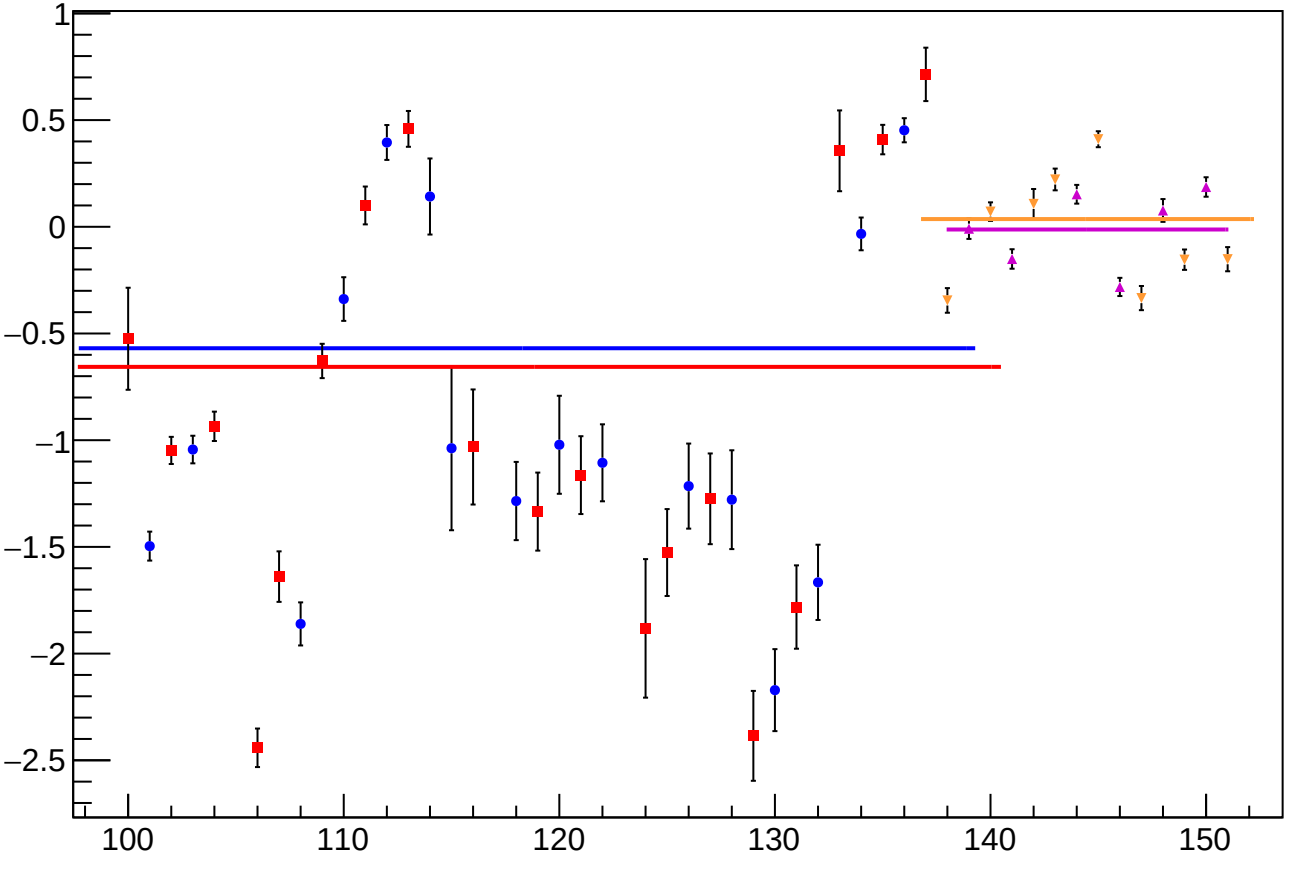
Left In: 119.427+/-0.384 χ^2/NDF:761.0/5

\+ sign 118.963+/-0.290 χ^2/NDF: 9733.7/23

All: 116.940+/-0.208 χ^2/NDF: 18516.1/48

\- sign 114.772+/-0.300 χ^2/NDF: 8681.3/24

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: 0.036+/-0.018 χ^2/NDF:228.4/7

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

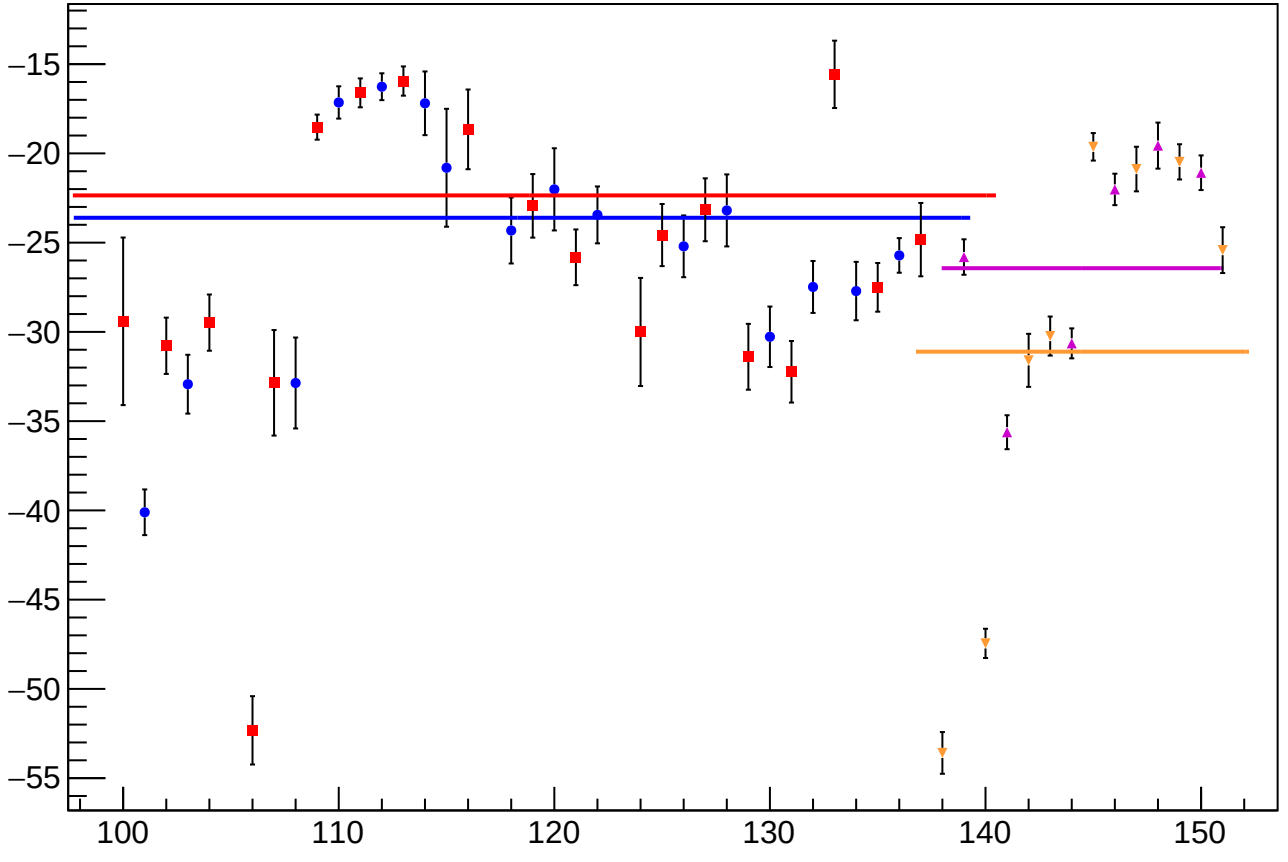
Left In: -0.013+/-0.019 χ^2/NDF:85.0/5

+ sign -0.157+/-0.015 χ^2/NDF: 1700.4/23

All: -0.199+/-0.010 χ^2/NDF: 3535.8/48

- sign -0.243+/-0.015 χ^2/NDF: 1818.5/24

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

Left Out: -31.108+/-0.366 χ^2/NDF:1193.0/7

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

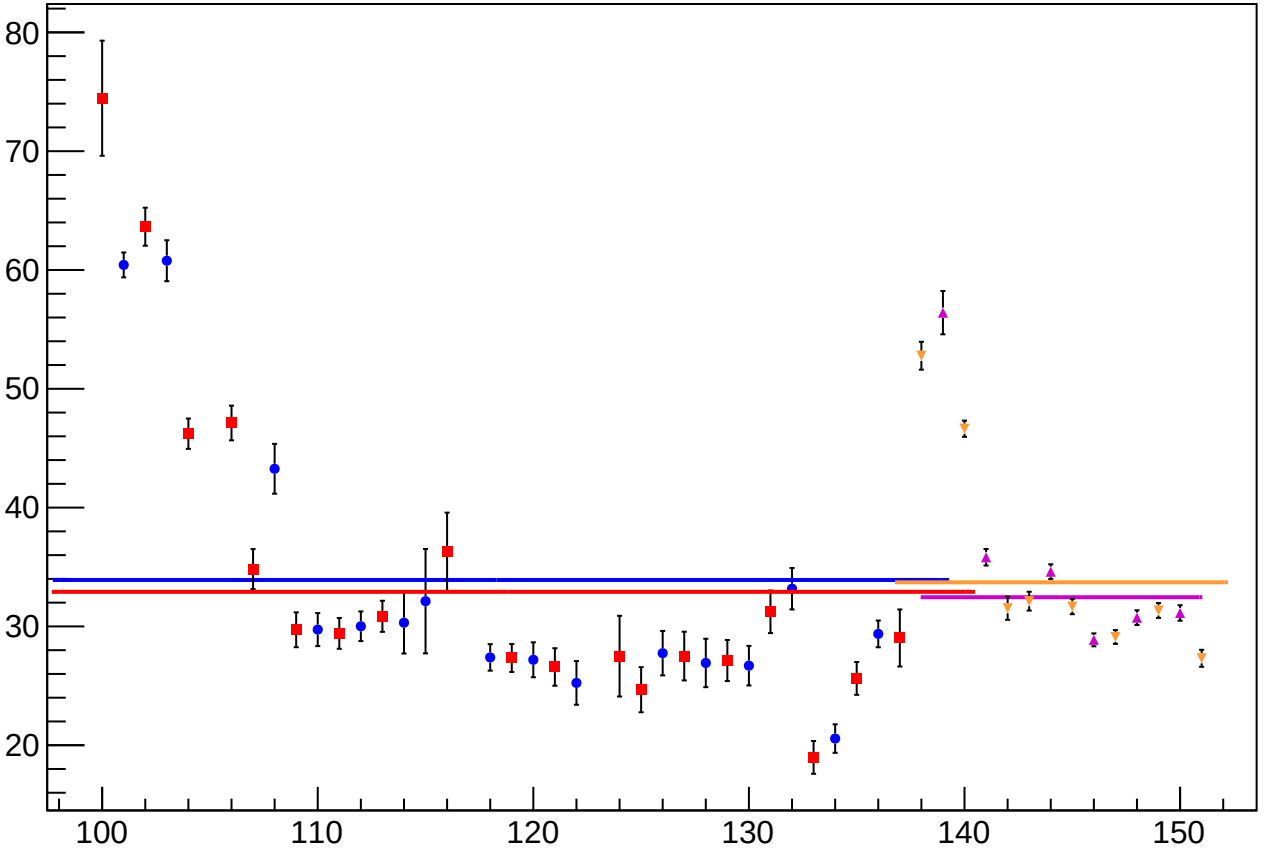
Left In: -26.432+/-0.393 χ^2/NDF:202.7/5

+ sign -27.173+/-0.252 χ^2/NDF: 1819.9/23

All: -25.561+/-0.177 χ^2/NDF: 2719.5/48

- sign -23.993+/-0.249 χ^2/NDF: 819.0/24

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 33.711+/-0.256 χ^2/NDF:798.4/7

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

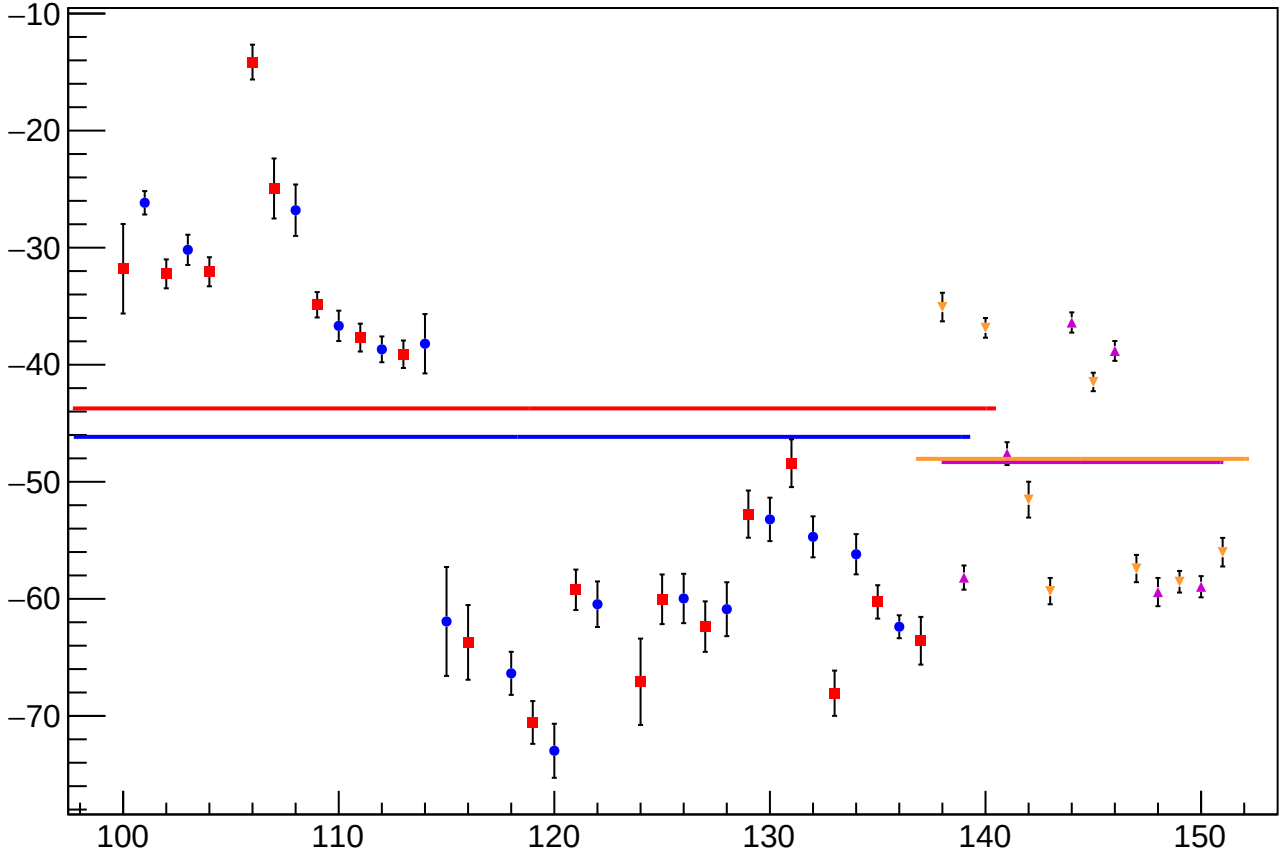
Left In: 32.456+/-0.275 χ^2/NDF:263.4/5

+ sign 33.774+/-0.211 χ^2/NDF: 1983.1/23

All: 33.221+/-0.153 χ^2/NDF: 3136.7/48

- sign 32.616+/-0.221 χ^2/NDF: 1139.3/24

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -48.040+/-0.366 χ^2/NDF:701.5/7

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

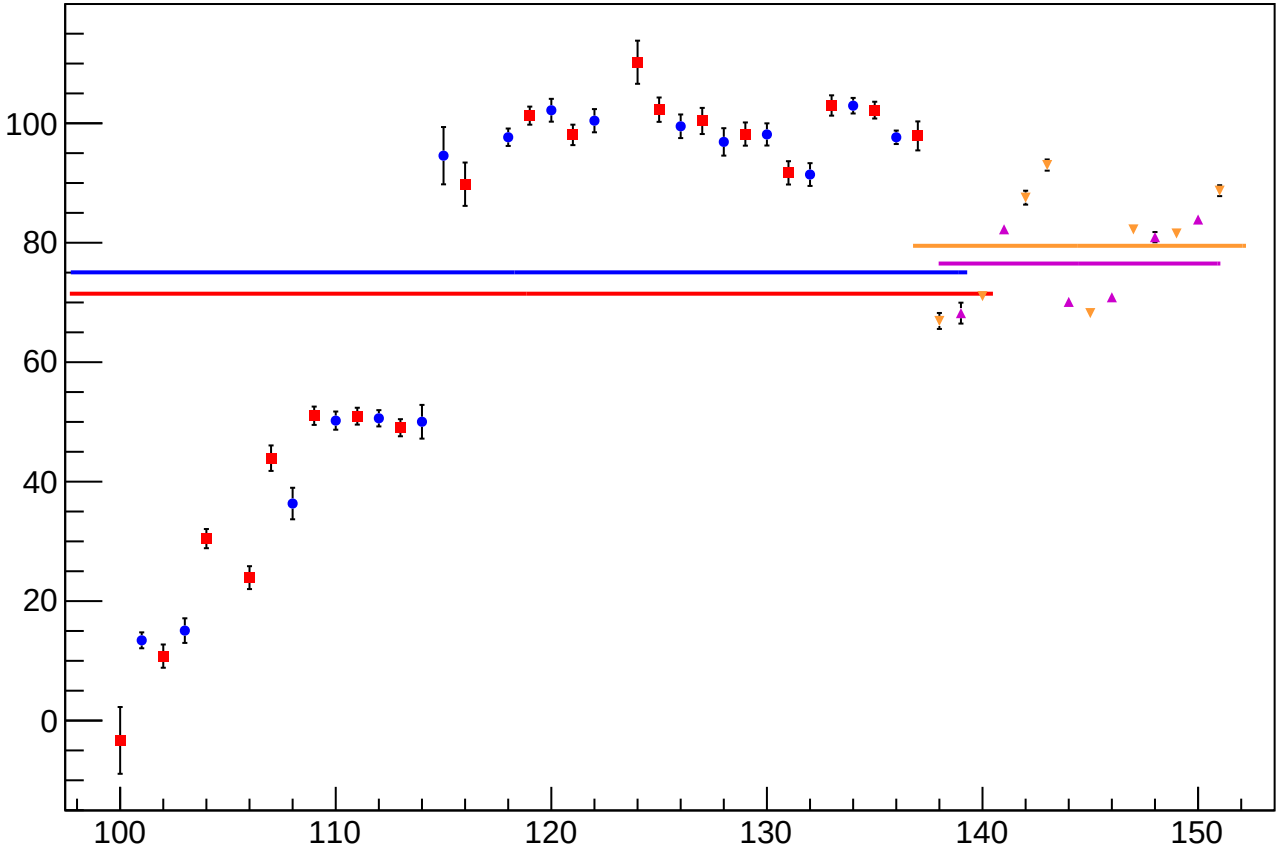
Left In: -48.315+/-0.389 χ^2/NDF:629.2/5

+ sign -47.161+/-0.267 χ^2/NDF: 2203.5/23

All: -46.570+/-0.190 χ^2/NDF: 4577.4/48

- sign -45.960+/-0.271 χ^2/NDF: 2364.0/24

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 79.488+/-0.311 χ^2/NDF:806.9/7

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

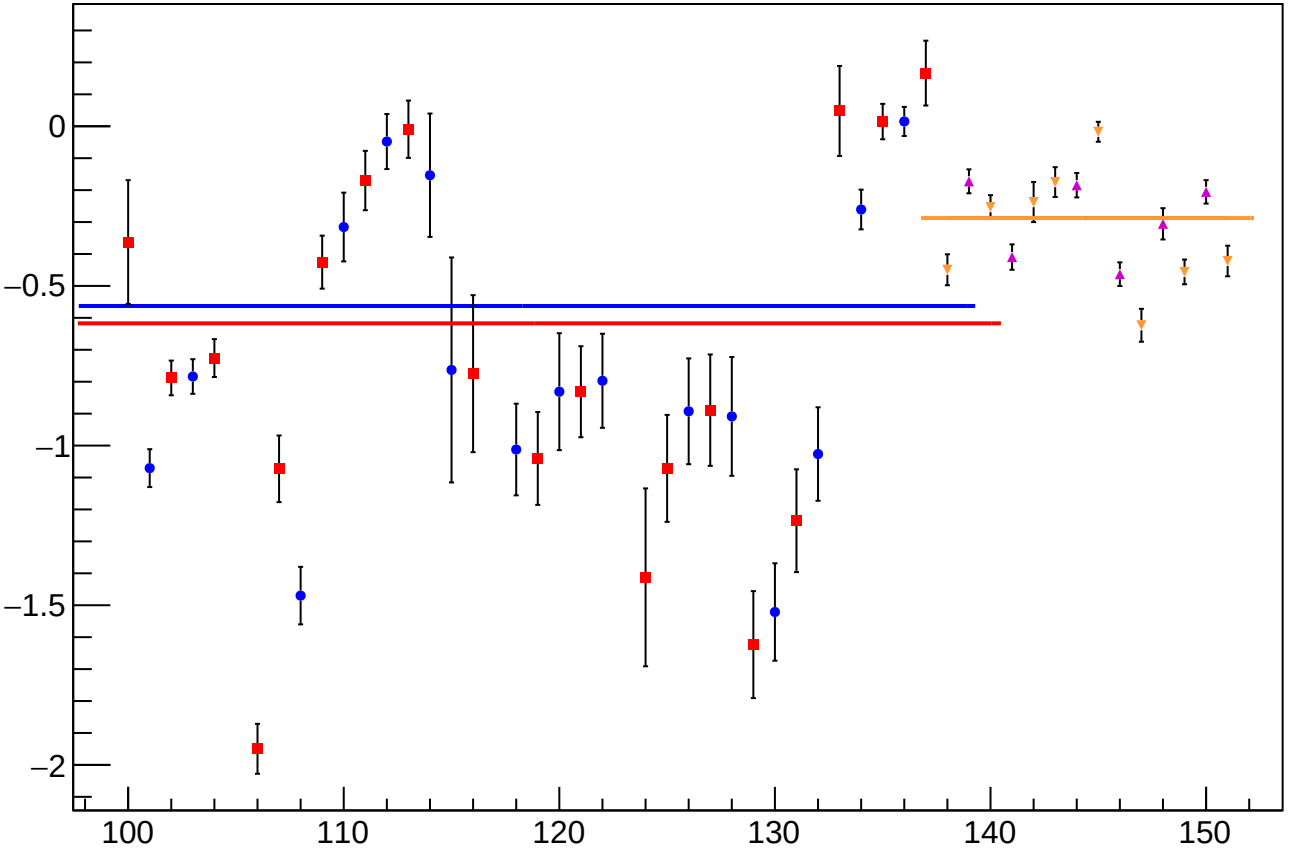
Left In: 76.517+/-0.333 χ^2/NDF:341.7/5

+ sign 77.946+/-0.252 χ^2/NDF: 6705.8/23

All: 76.342+/-0.182 χ^2/NDF: 12847.7/48

- sign 74.602+/-0.262 χ^2/NDF: 6057.2/24

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.287+/-0.015 χ^2/NDF:162.8/7

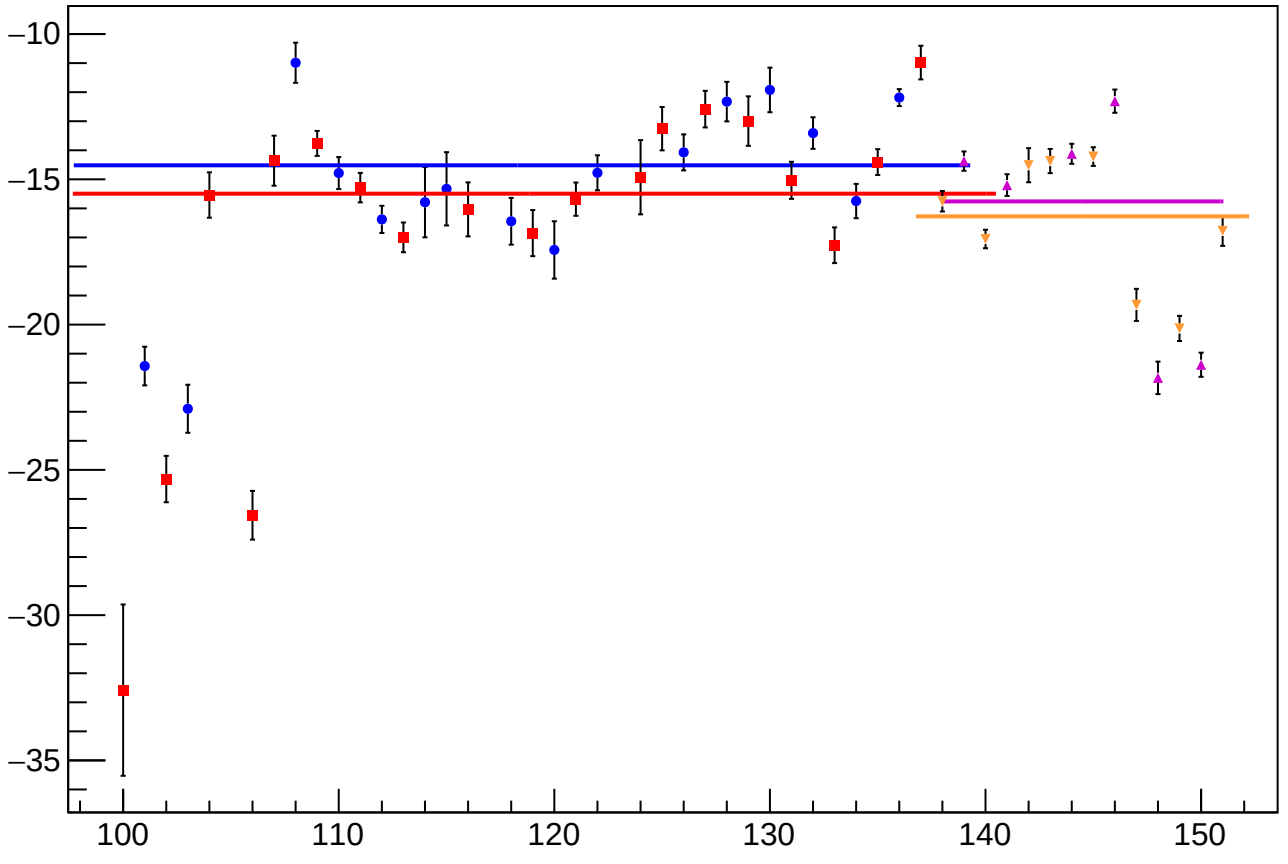
Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

Left In: -0.287+/-0.016 χ^2/NDF:53.8/5

+ sign -0.375+/-0.013 χ^2/NDF: 760.7/23

All: -0.387+/-0.009 χ^2/NDF: 1652.0/48

- sign -0.400+/-0.013 χ^2/NDF: 889.3/24



Right In: -14.518+/-0.149 χ^2/NDF: 363.3/15

Left Out: -16.274+/-0.143 χ^2/NDF:189.7/7

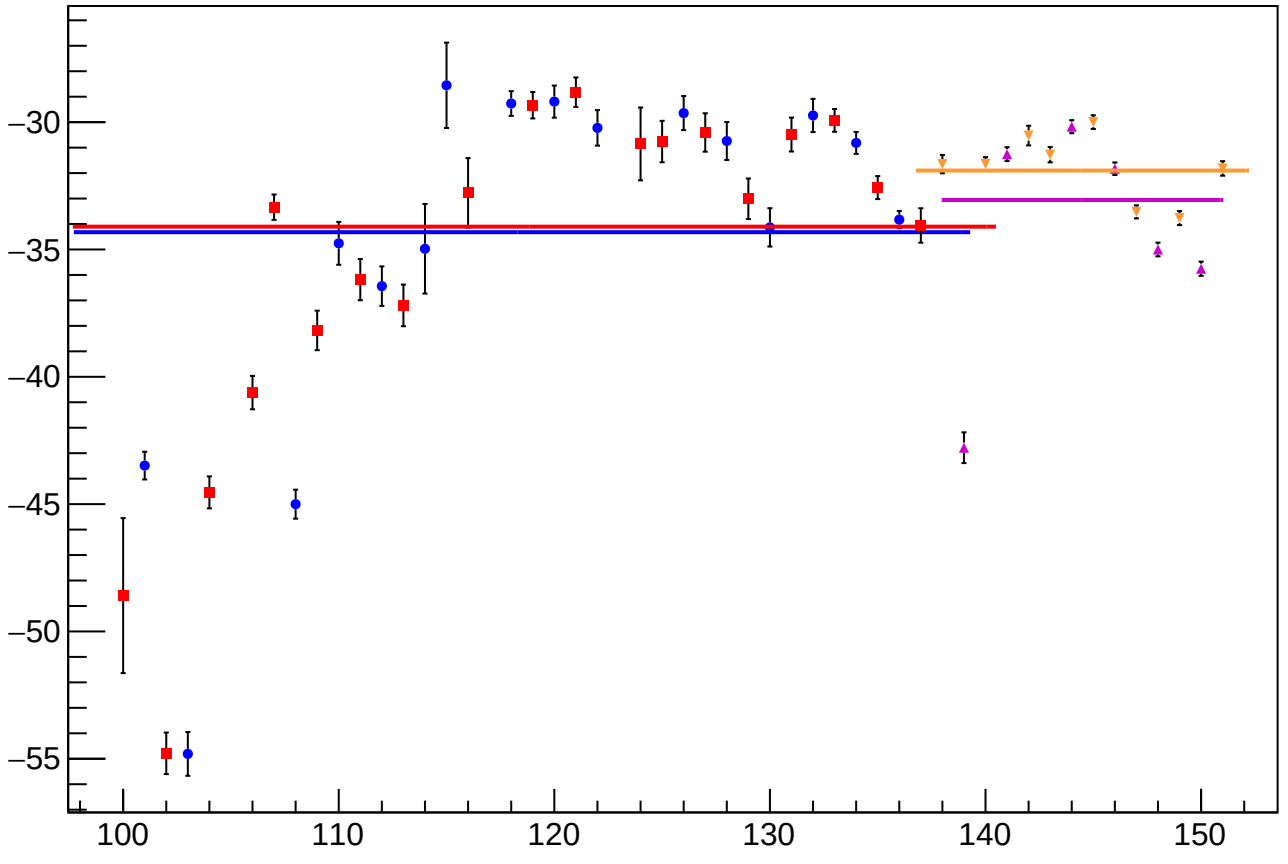
Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

Left In: -15.760+/-0.158 χ^2/NDF:417.5/5

+ sign -15.432+/-0.103 χ^2/NDF: 625.0/23

All: -15.521+/-0.075 χ^2/NDF: 1549.4/48

- sign -15.620+/-0.109 χ^2/NDF: 922.9/24



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.900+/-0.103 χ^2/NDF:153.6/7

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

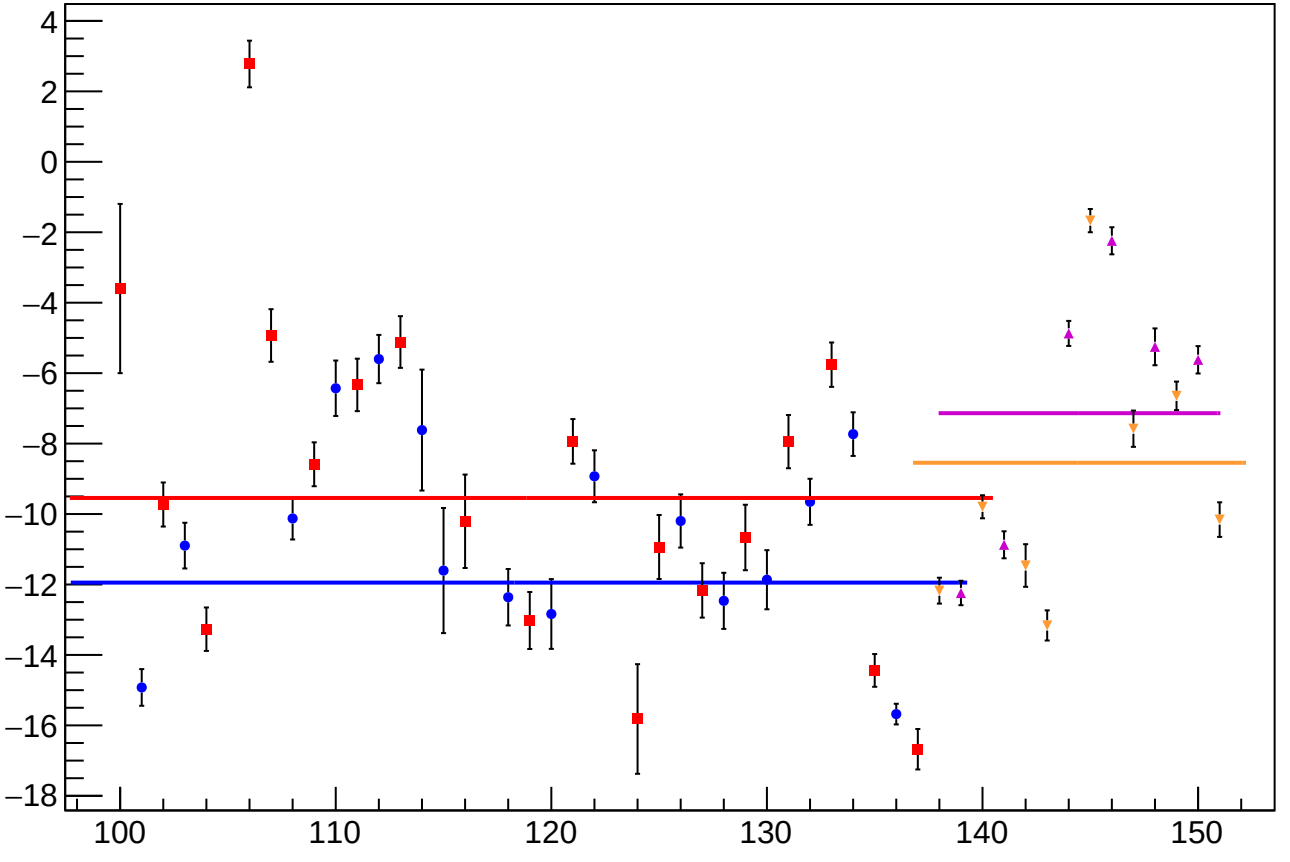
Left In: -33.056+/-0.116 χ^2/NDF:599.4/5

+ sign -32.655+/-0.086 χ^2/NDF: 1945.8/23

All: -33.014+/-0.063 χ^2/NDF: 4047.8/48

- sign -33.435+/-0.093 χ^2/NDF: 2063.7/24

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: -8.544+/-0.144 χ^2/NDF:721.6/7

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

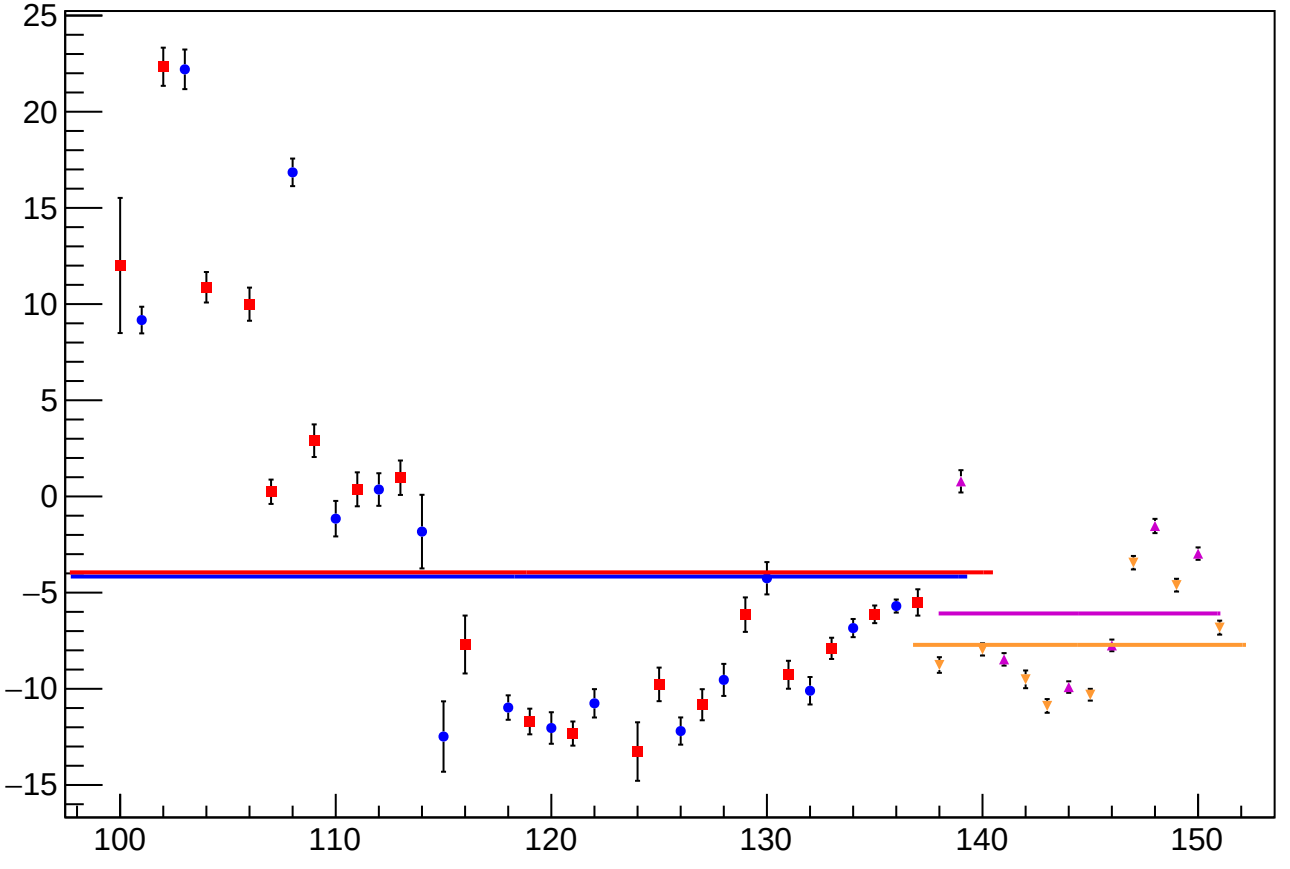
Left In: -7.137+/-0.158 χ^2/NDF:542.9/5

+ sign -10.067+/-0.107 χ^2/NDF: 1401.0/23

All: -9.233+/-0.078 χ^2/NDF: 3031.3/48

- sign -8.286+/-0.114 χ^2/NDF: 1500.9/24

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: -7.716+/-0.125 χ^2/NDF:414.6/7

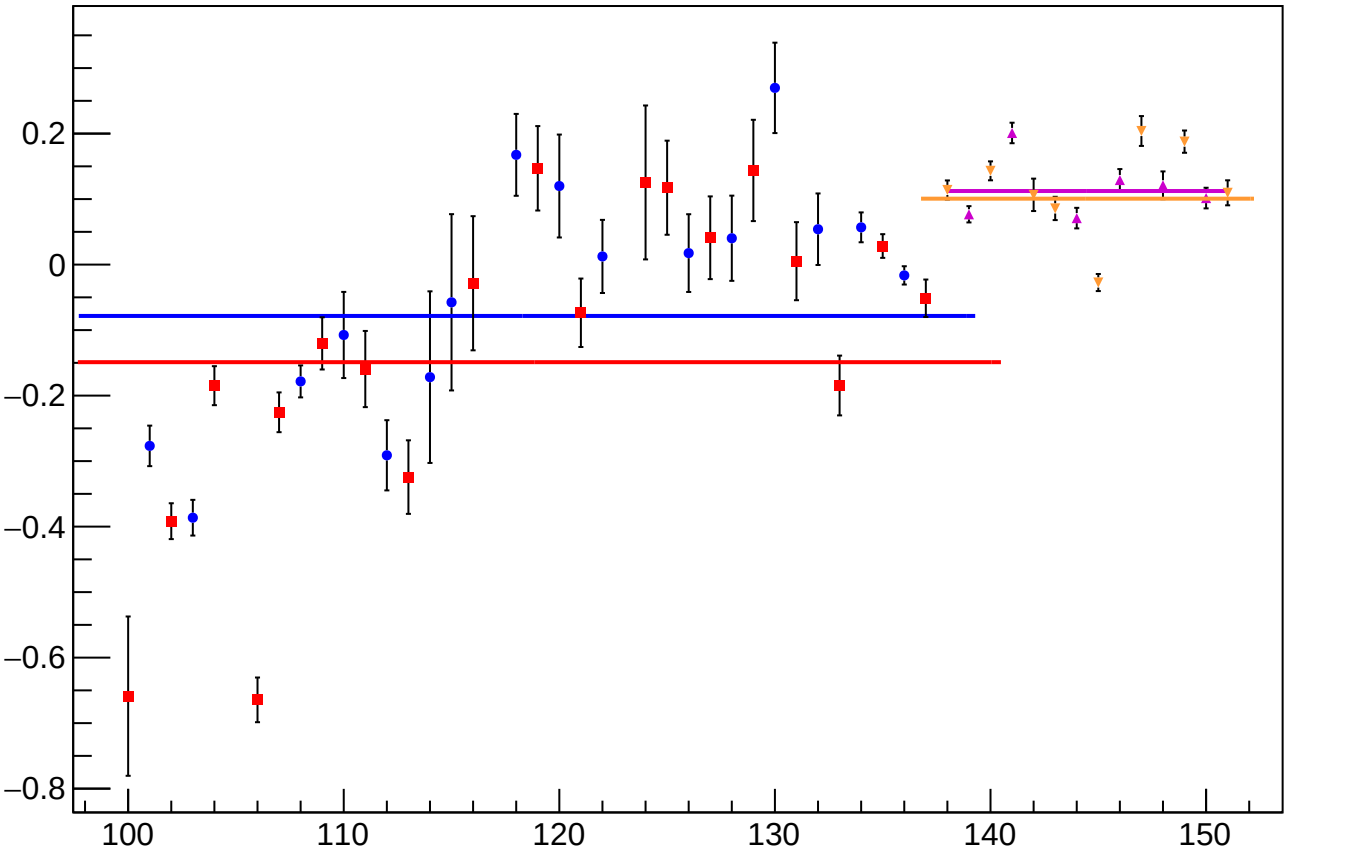
Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

Left In: -6.083+/-0.140 χ^2/NDF:631.2/5

+ sign -6.485+/-0.101 χ^2/NDF: 3218.8/23

All: -5.920+/-0.074 χ^2/NDF: 6118.4/48

- sign -5.259+/-0.109 χ^2/NDF: 2831.9/24



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.101+/-0.006 χ^2/NDF:153.6/7

Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

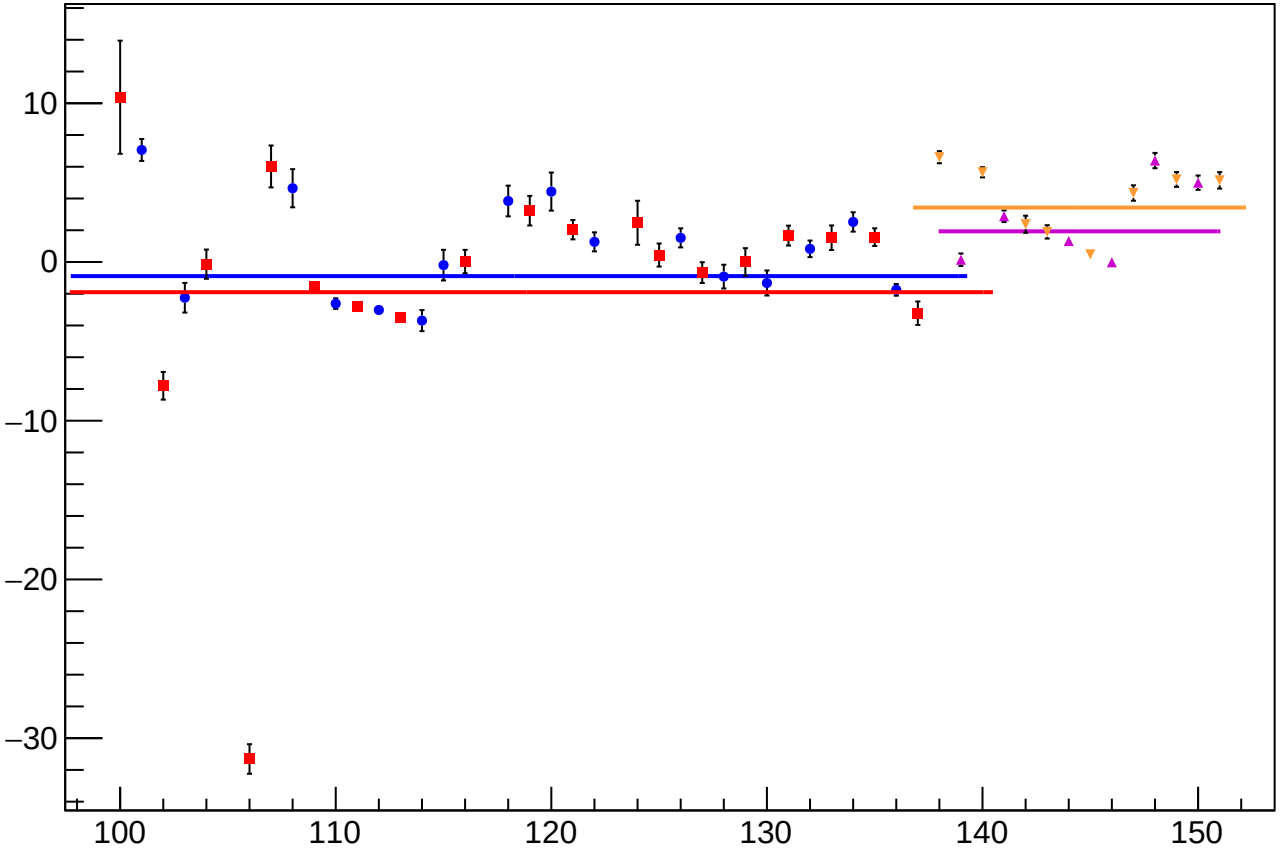
Left In: 0.112+/-0.006 χ^2/NDF:48.9/5

+ sign 0.042+/-0.005 χ^2/NDF: 767.1/23

All: 0.035+/-0.004 χ^2/NDF: 1900.3/48

- sign 0.026+/-0.005 χ^2/NDF: 1127.7/24

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 3.431+/-0.135 χ^2/NDF:307.5/7

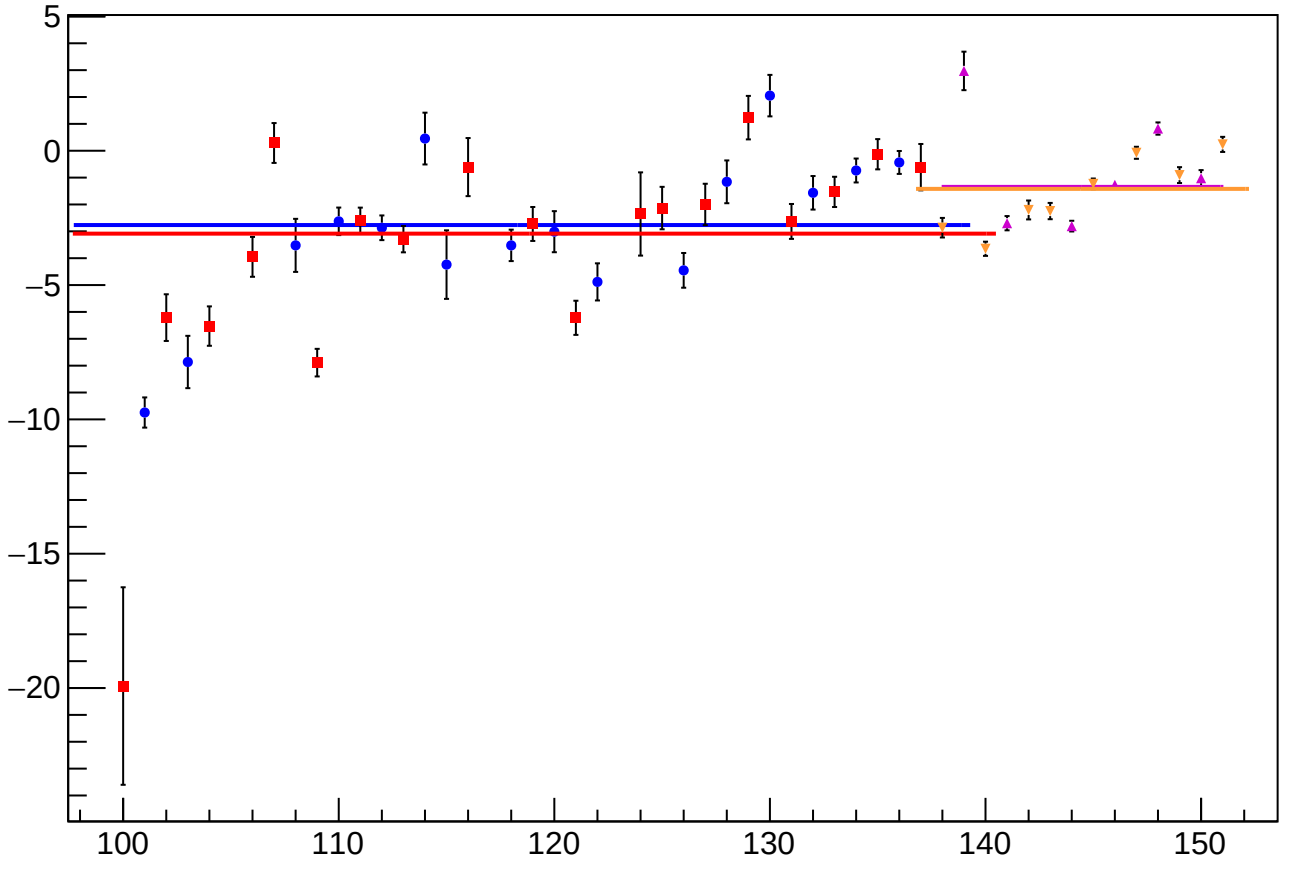
Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 1.931+/-0.144 χ^2/NDF:205.9/5

+ sign 1.296+/-0.096 χ^2/NDF: 1193.7/23

All: 0.542+/-0.068 χ^2/NDF: 3248.2/48

- sign -0.211+/-0.096 χ^2/NDF: 1931.3/24



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -1.419+/-0.095 χ^2/NDF:173.6/7

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

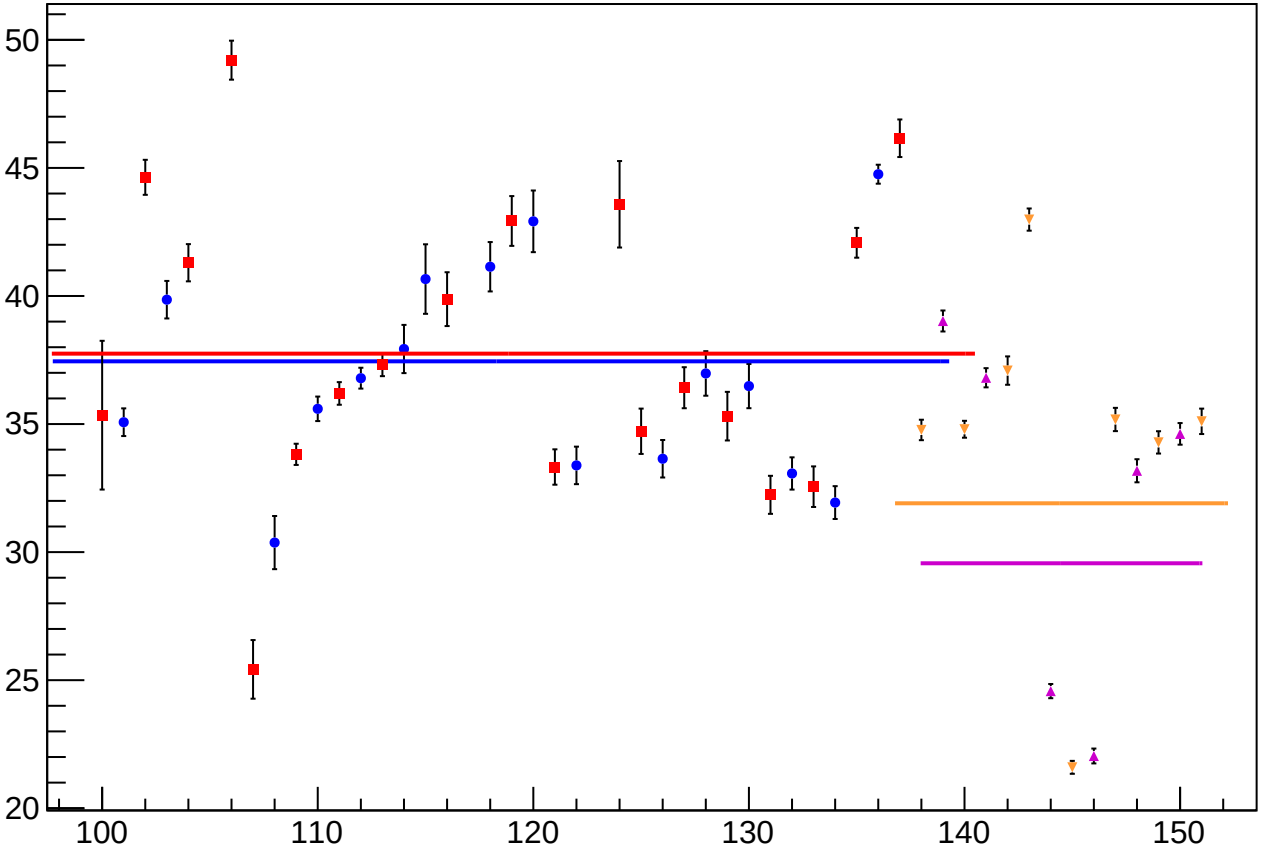
Left In: -1.345+/-0.098 χ^2/NDF:207.9/5

+ sign -1.785+/-0.081 χ^2/NDF: 537.8/23

All: -1.809+/-0.058 χ^2/NDF: 1106.2/48

- sign -1.834+/-0.083 χ^2/NDF: 568.2/24

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: 31.906+/-0.136 χ^2/NDF:2660.6/7

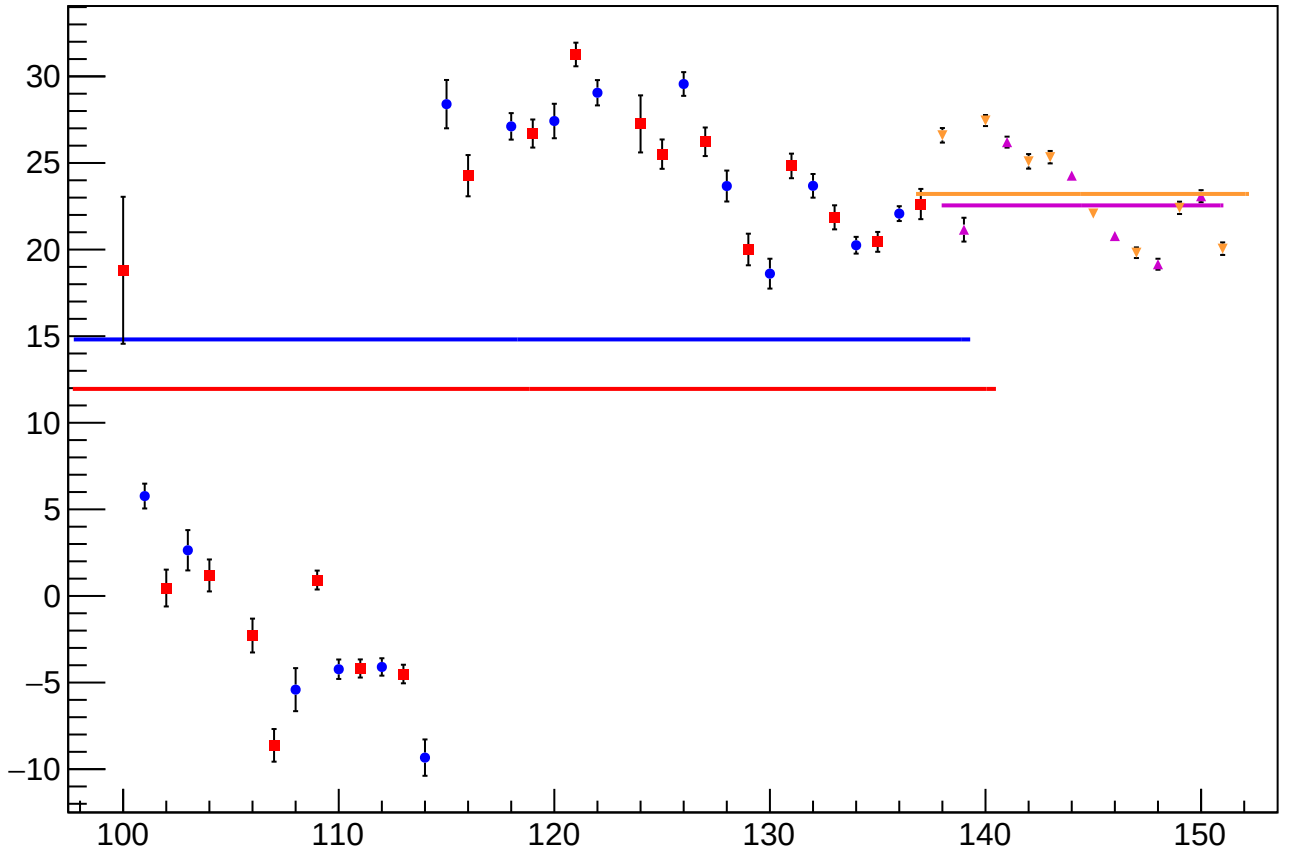
Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

Left In: 29.564+/-0.144 χ^2/NDF:2109.8/5

+ sign 34.223+/-0.104 χ^2/NDF: 4059.8/23

All: 33.741+/-0.074 χ^2/NDF: 8632.2/48

- sign 33.232+/-0.107 χ^2/NDF: 4528.2/24



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 23.212+/-0.116 χ^2/NDF:523.5/7

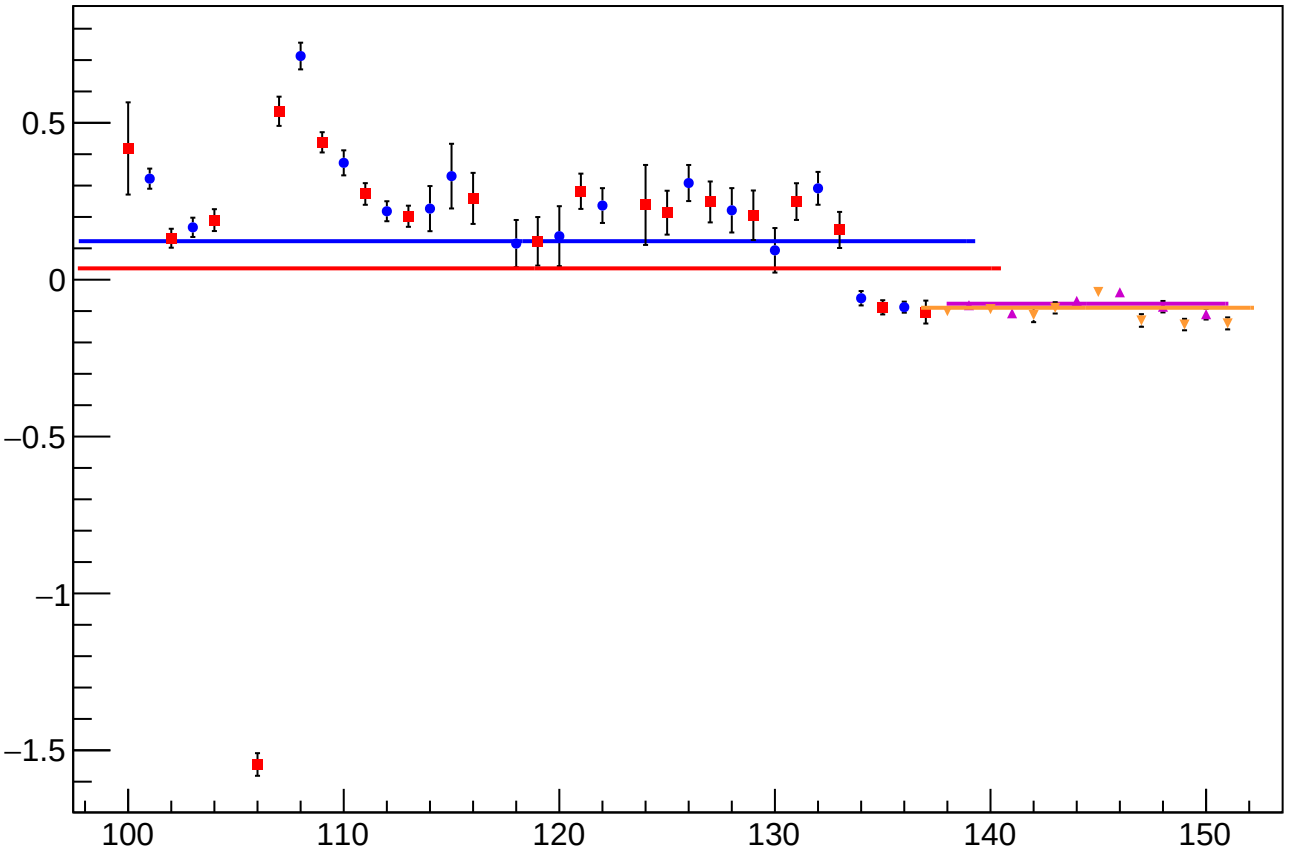
Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 22.551+/-0.121 χ^2/NDF:371.7/5

\+ sign 20.618+/-0.097 χ^2/NDF: 7823.1/23

All: 19.924+/-0.069 χ^2/NDF: 16857.3/48

\- sign 19.188+/-0.100 χ^2/NDF: 8928.1/24



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.089+/-0.006 χ^2/NDF:46.2/7

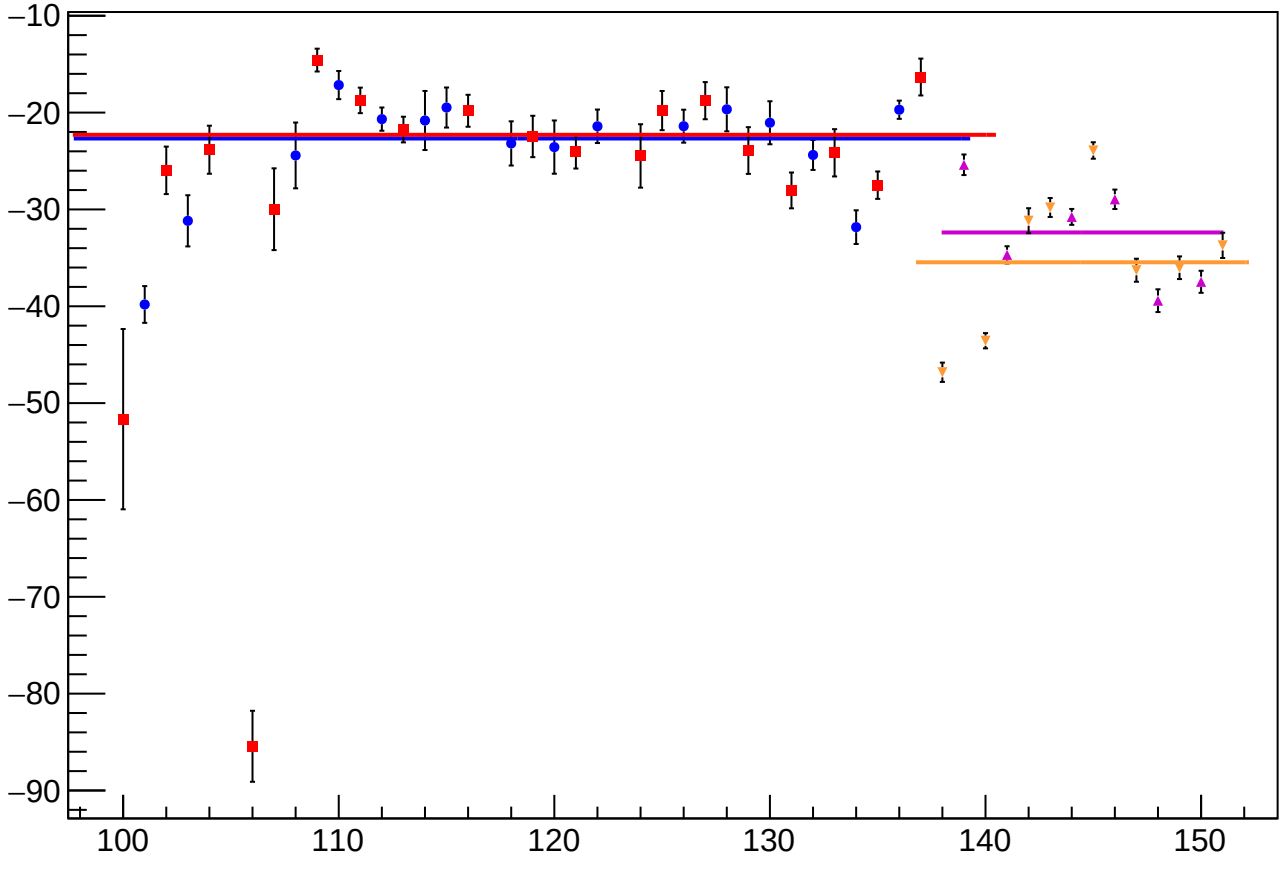
Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

Left In: -0.077+/-0.006 χ^2/NDF:17.1/5

+ sign -0.034+/-0.005 χ^2/NDF: 941.1/23

All: -0.040+/-0.003 χ^2/NDF: 3473.2/48

- sign -0.046+/-0.005 χ^2/NDF: 2528.9/24



Right In: -22.675+/-0.435 χ^2/NDF: 154.4/15

Left Out: -35.458+/-0.361 χ^2/NDF:467.7/7

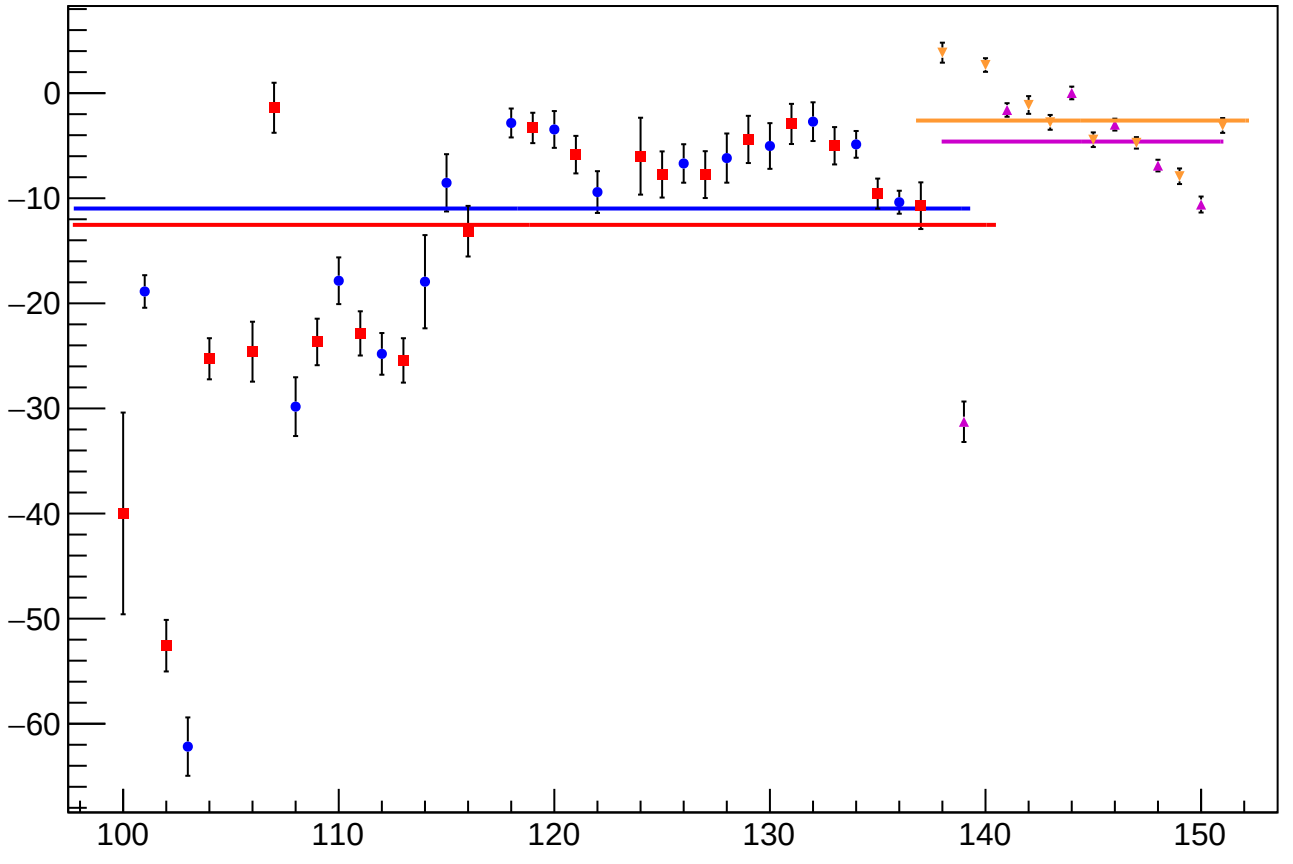
Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

Left In: -32.377+/-0.404 χ^2/NDF:121.5/5

+ sign -30.240+/-0.278 χ^2/NDF: 1134.3/23

All: -29.057+/-0.203 χ^2/NDF: 1988.5/48

- sign -27.712+/-0.296 χ^2/NDF: 815.3/24



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: -2.607+/-0.249 χ^2/NDF:188.9/7

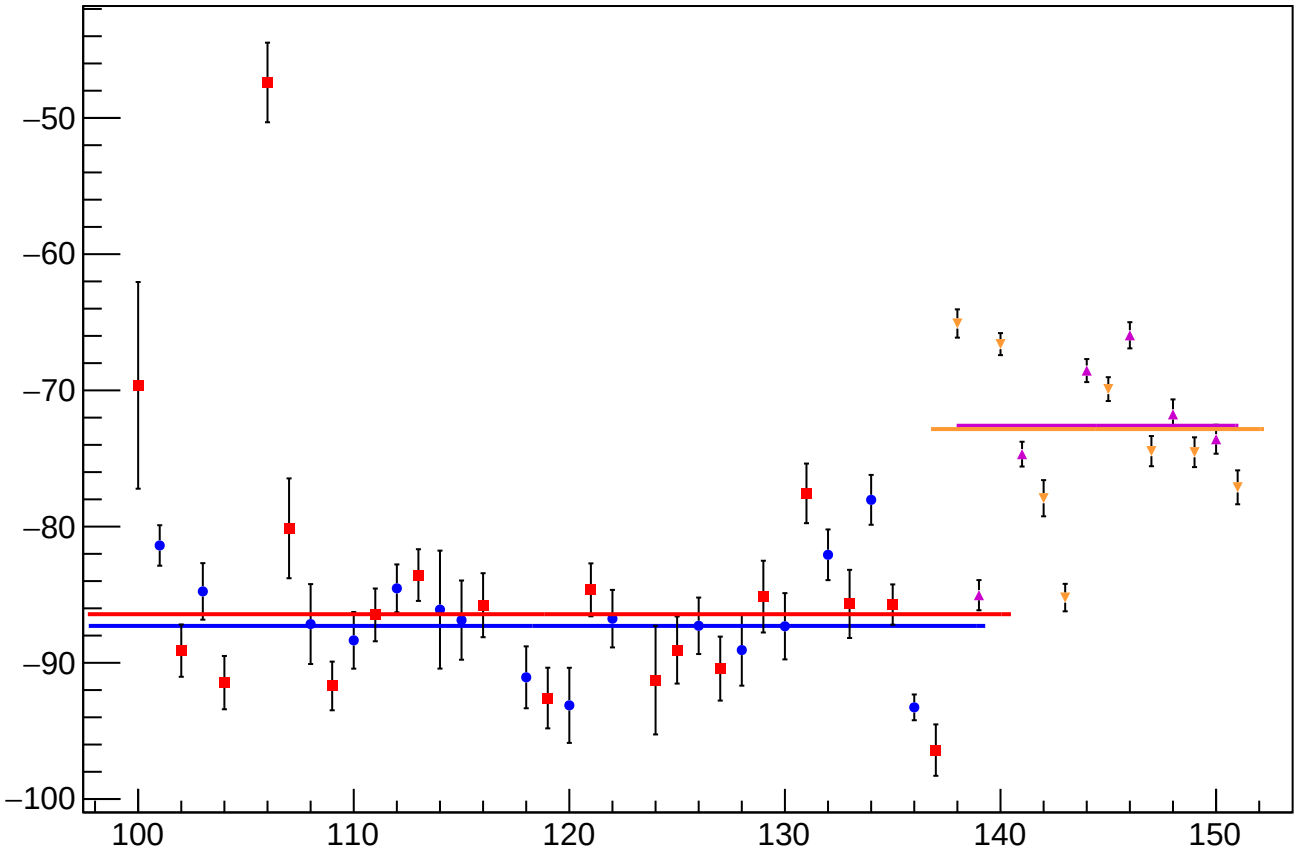
Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

Left In: -4.607+/-0.272 χ^2/NDF:359.3/5

+ sign -4.547+/-0.218 χ^2/NDF: 1038.1/23

All: -5.456+/-0.160 χ^2/NDF: 2213.2/48

- sign -6.527+/-0.237 χ^2/NDF: 1137.2/24



Right In: -87.291+/-0.481 χ^2/NDF: 101.2/15

Left Out: -72.840+/-0.363 χ^2/NDF:307.9/7

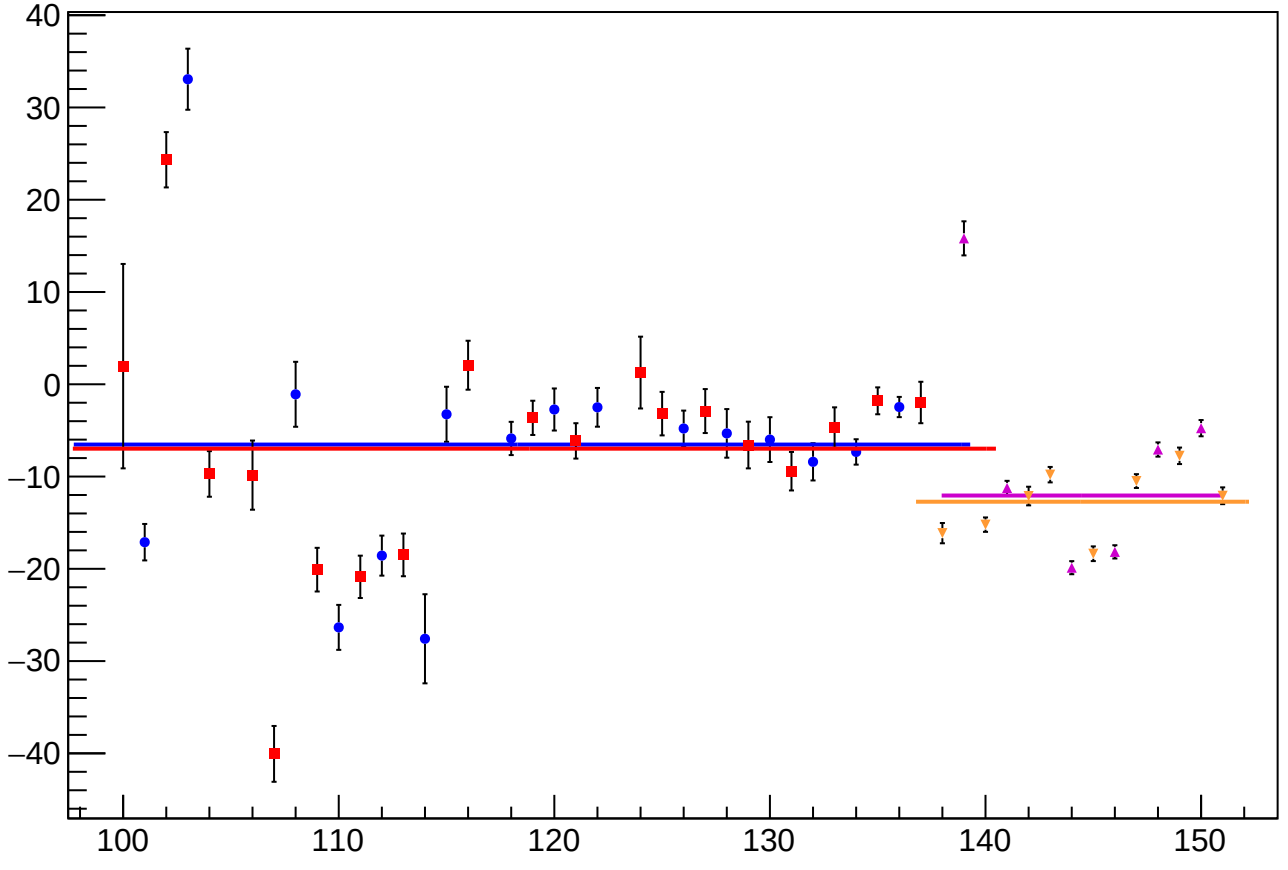
Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

Left In: -72.596+/-0.401 χ^2/NDF:203.5/5

+ sign -78.082+/-0.289 χ^2/NDF: 985.2/23

All: -78.015+/-0.213 χ^2/NDF: 1912.9/48

- sign -77.936+/-0.314 χ^2/NDF: 927.5/24



Right In: -6.535+/-0.508 χ^2/NDF: 313.9/15

Left Out: -12.729+/-0.306 χ^2/NDF:122.7/7

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

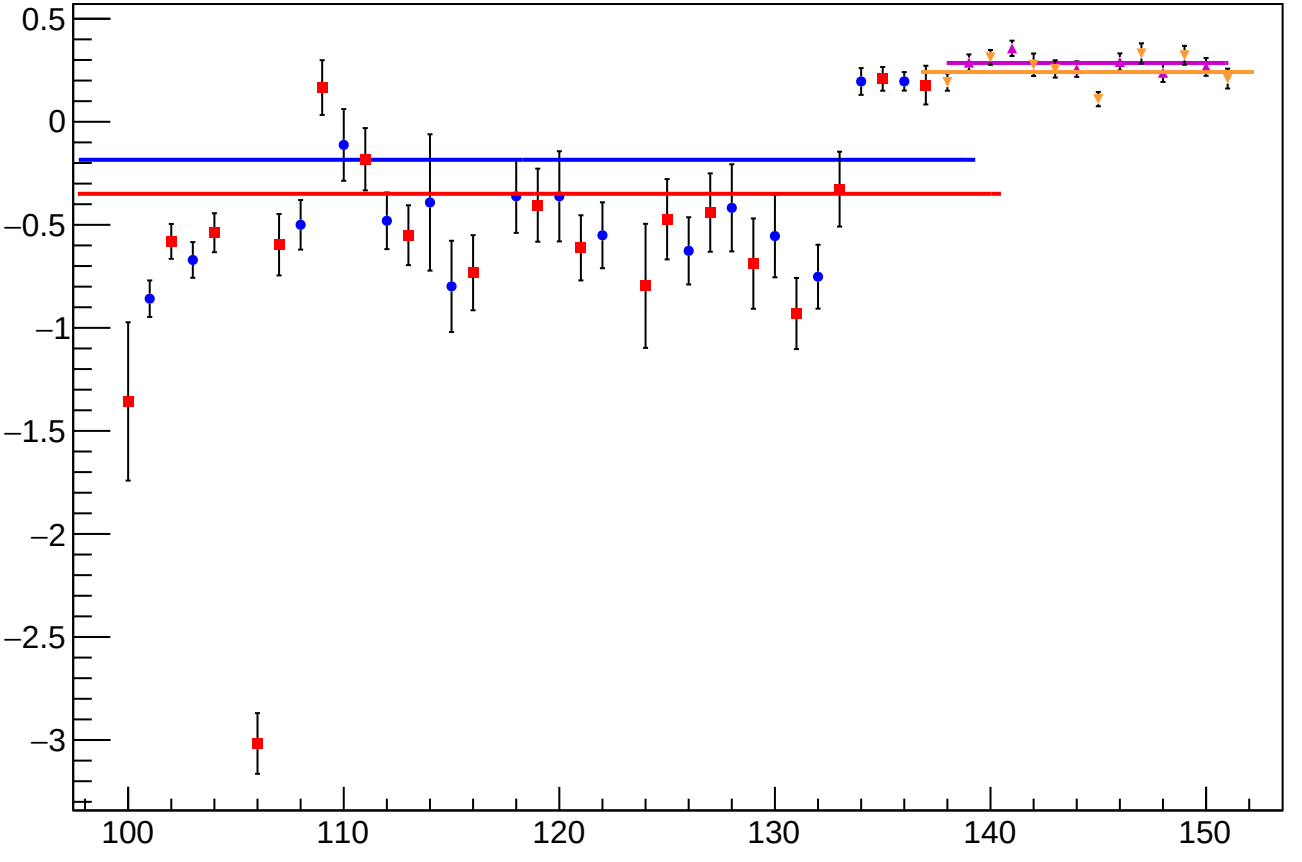
Left In: -12.057+/-0.336 χ^2/NDF:532.6/5

+ sign -11.080+/-0.262 χ^2/NDF: 545.7/23

All: -10.882+/-0.193 χ^2/NDF: 1511.4/48

- sign -10.647+/-0.285 χ^2/NDF: 964.4/24

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.184+/-0.027 χ^2/NDF: 247.3/15

Left Out: 0.241+/-0.015 χ^2/NDF:27.1/7

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

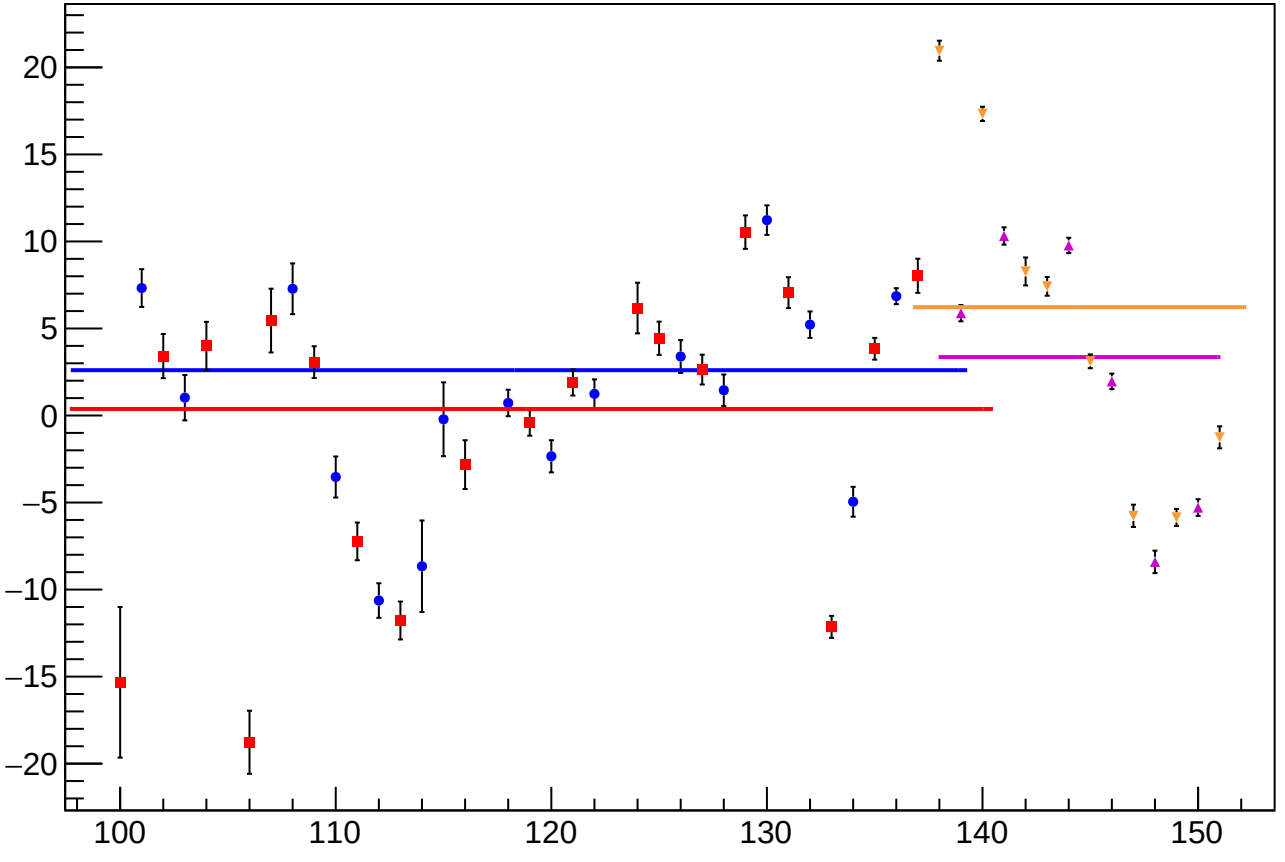
Left In: 0.285+/-0.016 χ^2/NDF:5.6/5

+ sign 0.139+/-0.013 χ^2/NDF: 466.4/23

All: 0.136+/-0.010 χ^2/NDF: 1344.9/48

- sign 0.133+/-0.014 χ^2/NDF: 878.4/24

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: 6.226+/-0.184 χ^2/NDF:2567.1/7

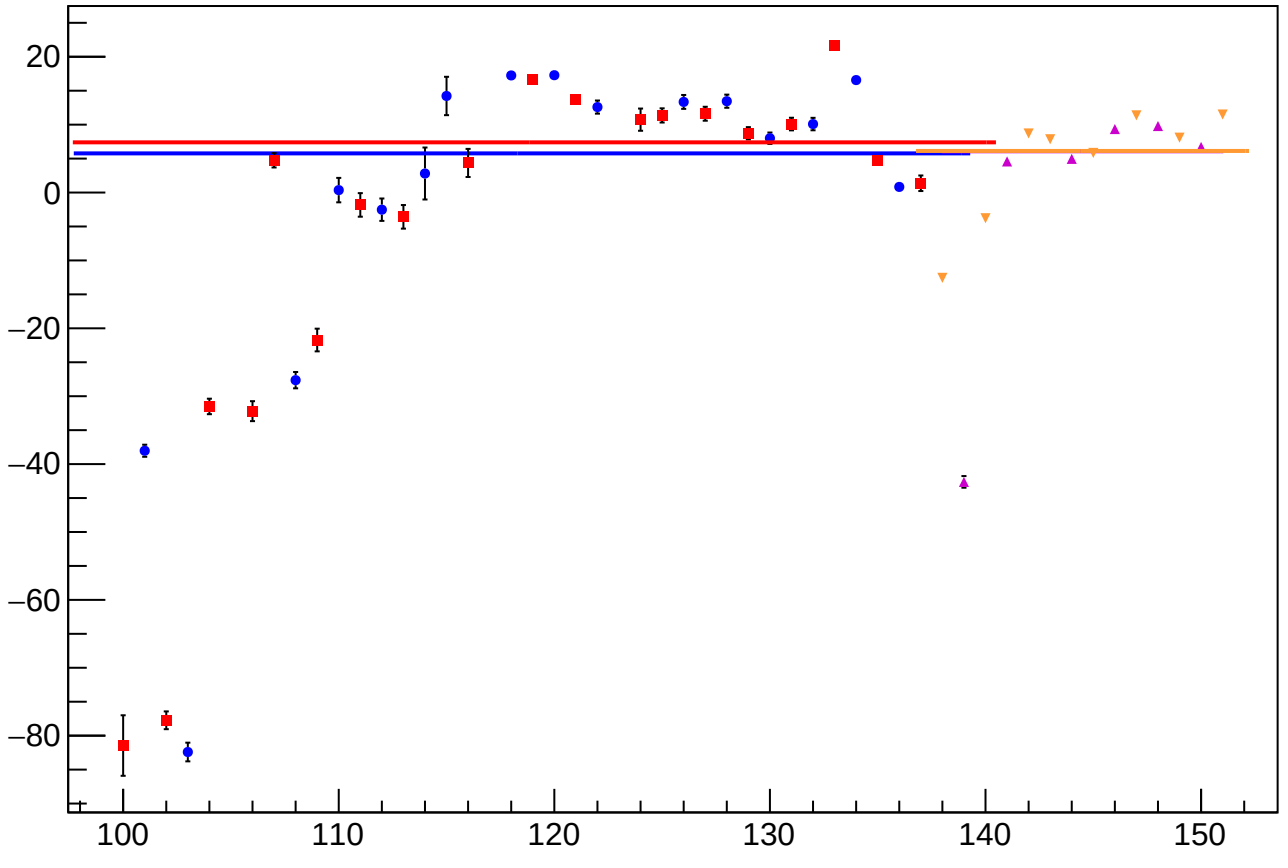
Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

Left In: 3.357+/-0.198 χ^2/NDF:1101.1/5

+ sign 4.765+/-0.142 χ^2/NDF: 3296.1/23

All: 3.454+/-0.103 χ^2/NDF: 5705.0/48

- sign 2.037+/-0.148 χ^2/NDF: 2232.2/24



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: 6.125+/-0.129 χ^2/NDF:2491.0/7

Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

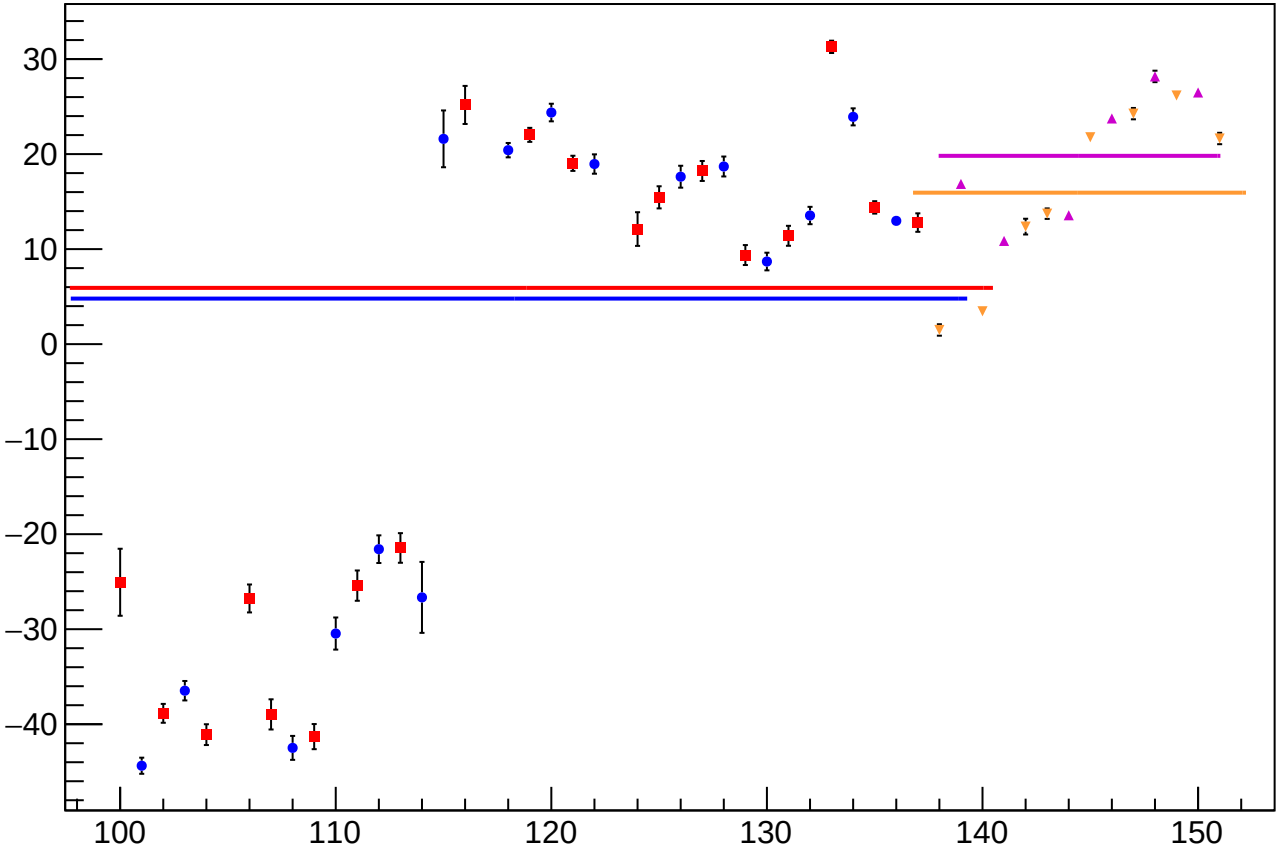
Left In: 6.077+/-0.140 χ^2/NDF:3533.8/5

+ sign 6.027+/-0.110 χ^2/NDF: 11427.0/23

All: 6.243+/-0.080 χ^2/NDF: 23387.0/48

- sign 6.484+/-0.116 χ^2/NDF: 11951.8/24

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: 15.940+/-0.184 χ^2/NDF:2484.0/7

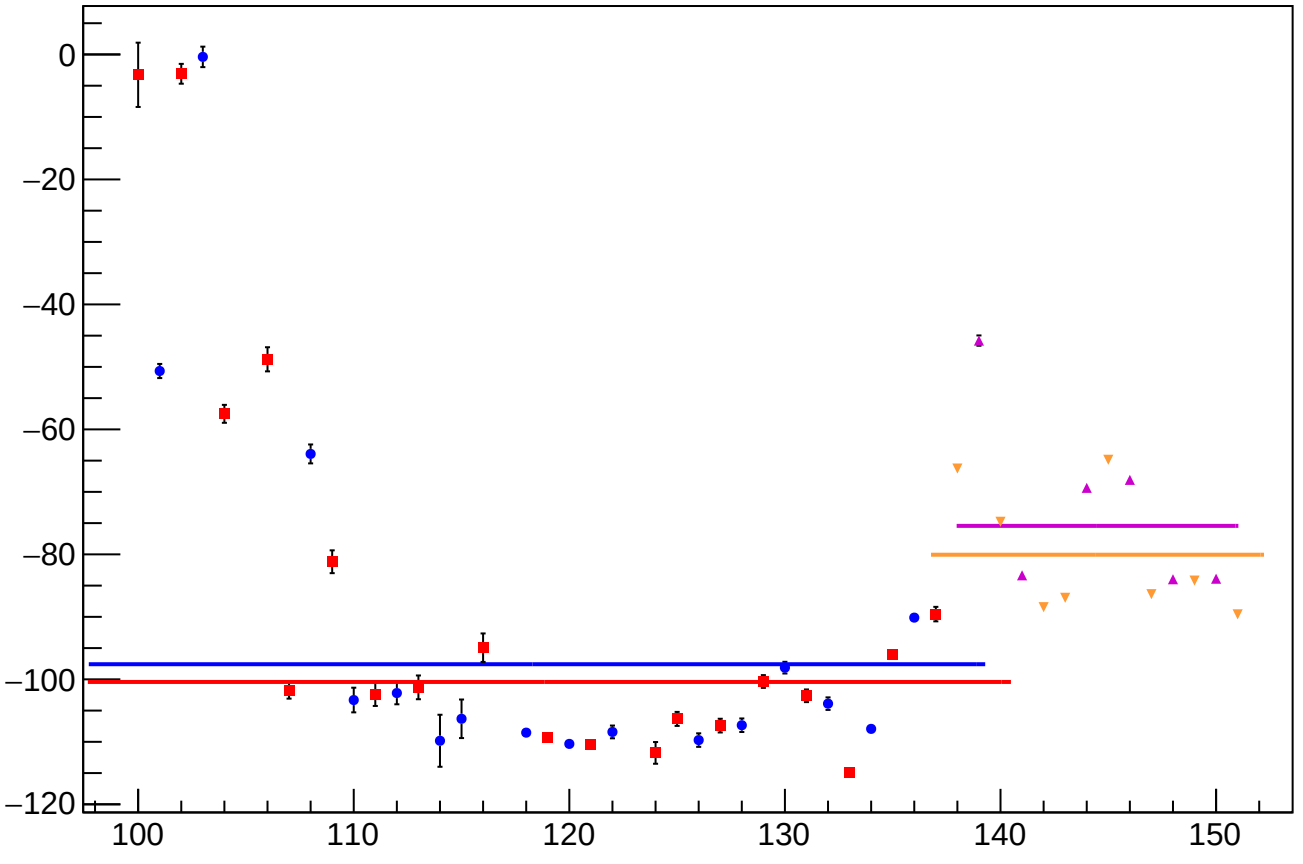
Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 19.817+/-0.196 χ^2/NDF:1027.6/5

+ sign 11.756+/-0.145 χ^2/NDF: 13357.6/23

All: 12.947+/-0.105 χ^2/NDF: 26595.1/48

- sign 14.246+/-0.152 χ^2/NDF: 13097.3/24



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -80.057+/-0.157 χ^2/NDF:3431.3/7

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

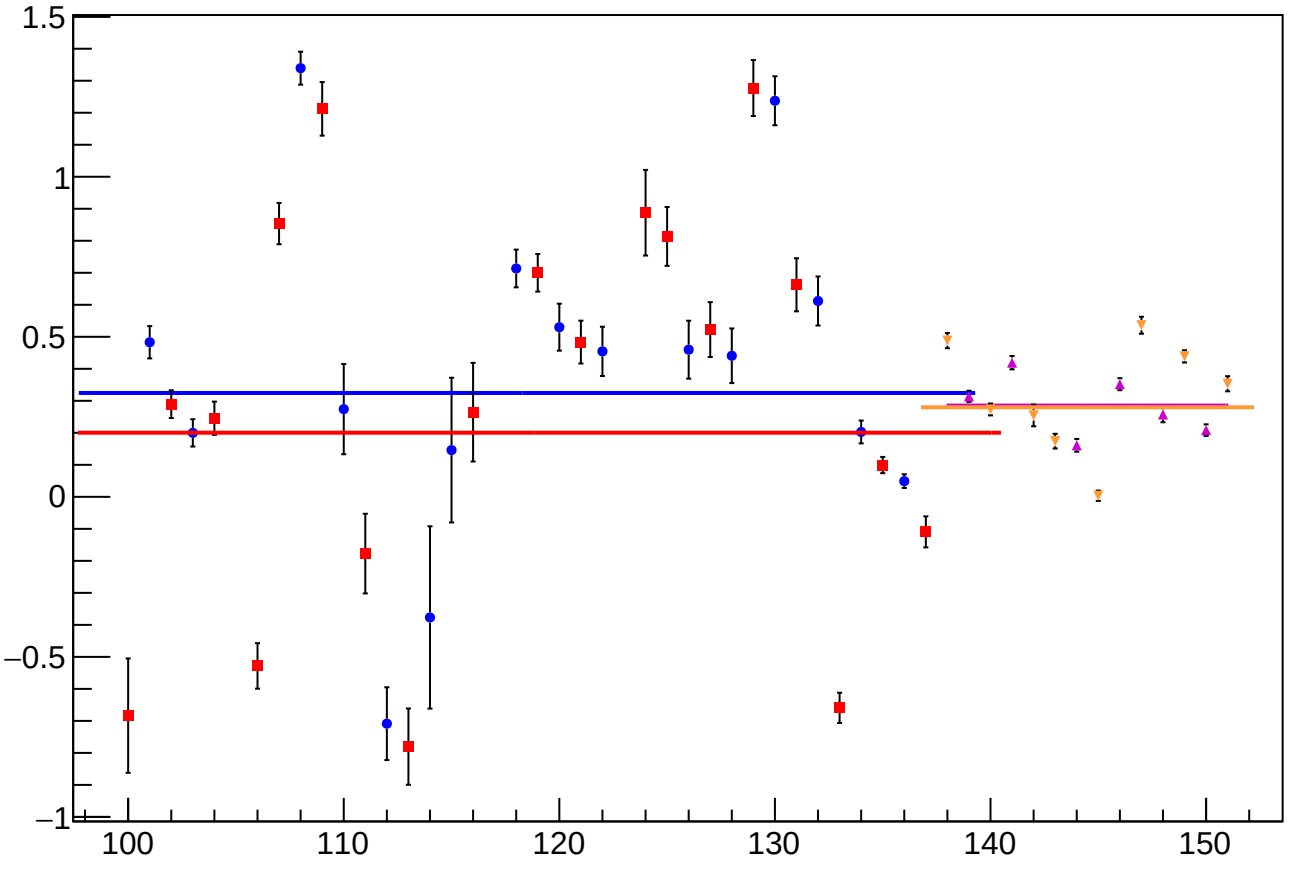
Left In: -75.439+/-0.169 χ^2/NDF:3255.7/5

\+ sign -85.259+/-0.132 χ^2/NDF: 14272.0/23

All: -84.519+/-0.095 χ^2/NDF: 31902.0/48

\- sign -83.698+/-0.139 χ^2/NDF: 17563.3/24

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: 0.280+/-0.008 χ^2/NDF:562.2/7

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

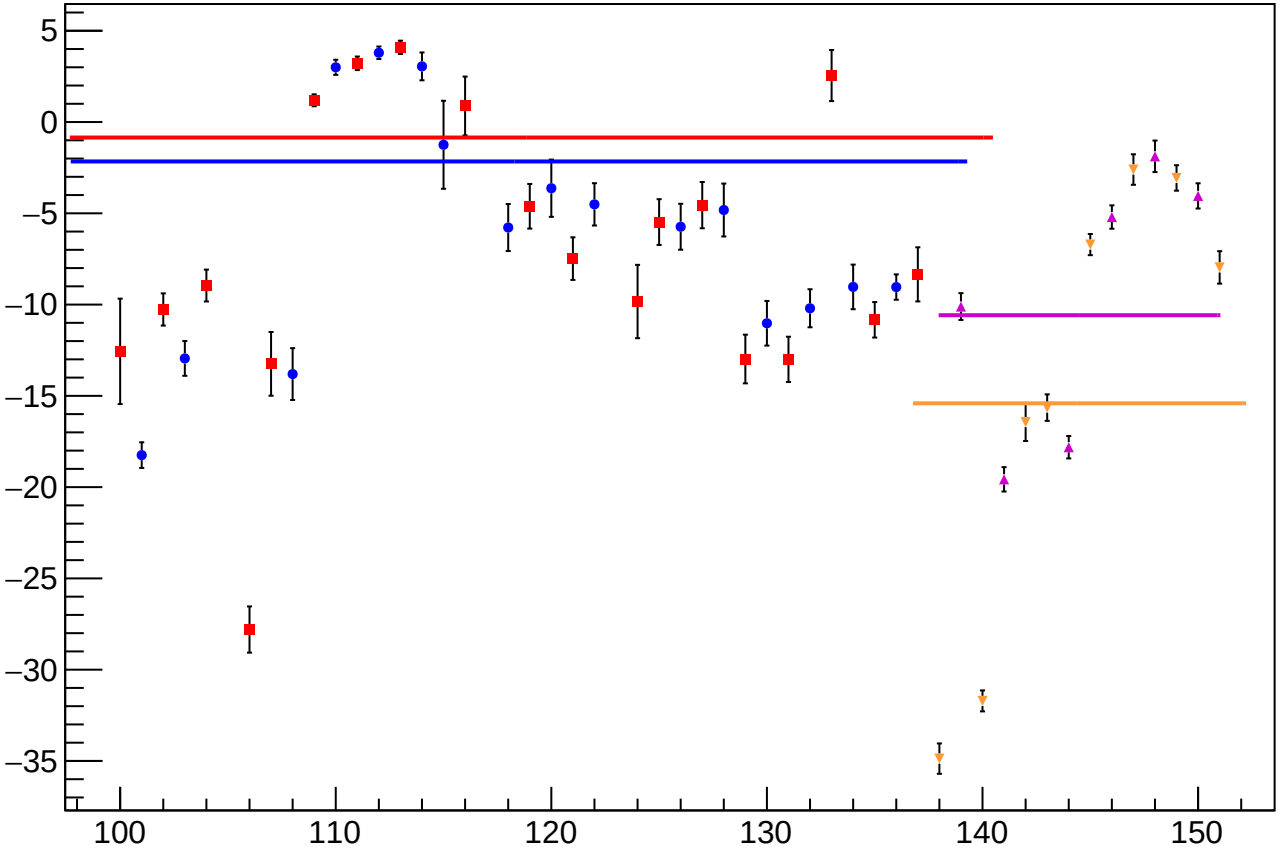
Left In: 0.285+/-0.008 χ^2/NDF:114.2/5

+ sign 0.291+/-0.007 χ^2/NDF: 1457.3/23

All: 0.278+/-0.005 χ^2/NDF: 2813.7/48

- sign 0.264+/-0.007 χ^2/NDF: 1348.5/24

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -2.159+/-0.192 χ^2/NDF: 1491.0/15

Left Out: -15.408+/-0.258 χ^2/NDF:2197.7/7

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

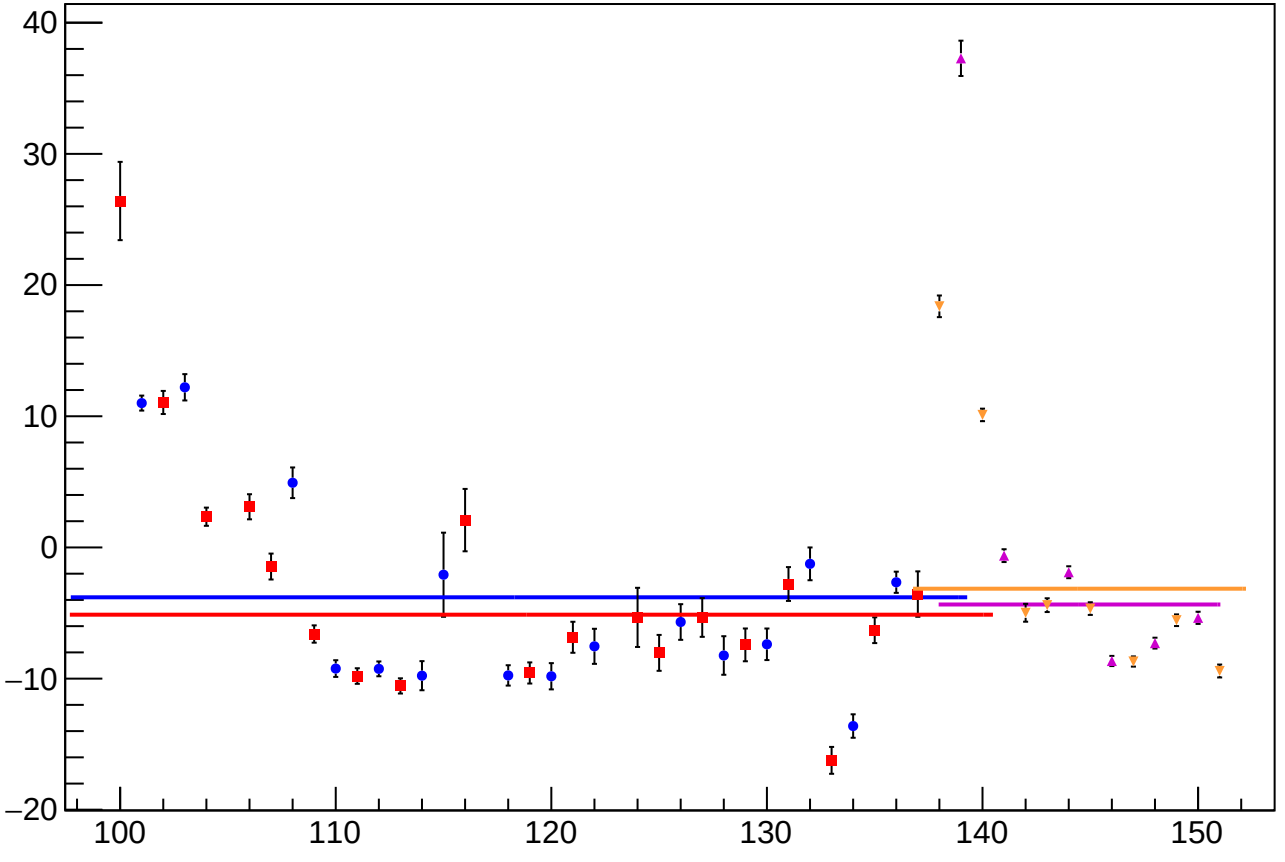
Left In: -10.582+/-0.282 χ^2/NDF:581.9/5

+ sign -6.883+/-0.154 χ^2/NDF: 5386.7/23

All: -5.076+/-0.106 χ^2/NDF: 8569.7/48

- sign -3.458+/-0.146 χ^2/NDF: 2922.2/24

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: -3.800+/-0.226 χ^2/NDF: 1425.5/15

Left Out: -3.145+/-0.178 χ^2/NDF:1867.3/7

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

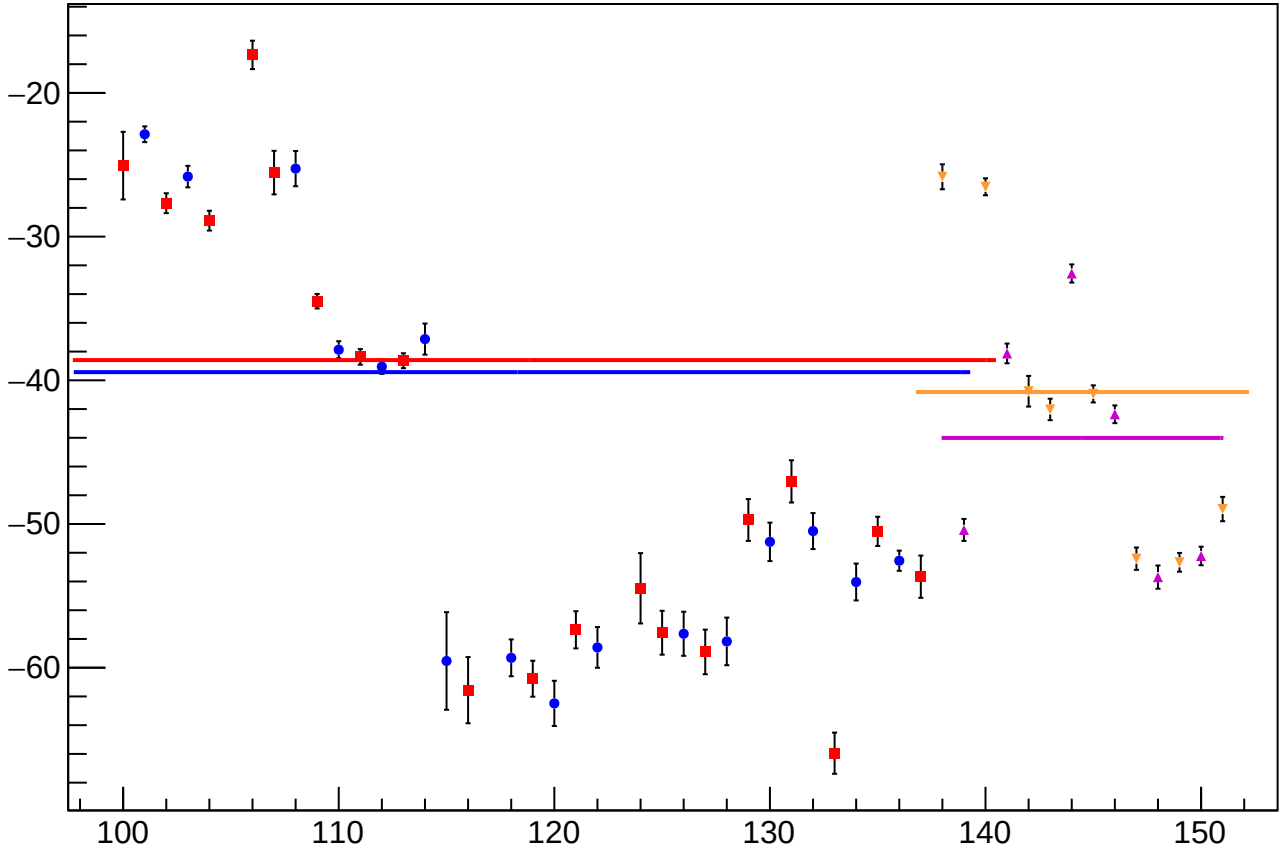
Left In: -4.348+/-0.193 χ^2/NDF:1222.7/5

+ sign -3.396+/-0.140 χ^2/NDF: 3298.0/23

All: -4.018+/-0.101 χ^2/NDF: 5549.7/48

- sign -4.690+/-0.145 χ^2/NDF: 2210.3/24

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -40.816+/-0.257 χ^2/NDF:1530.1/7

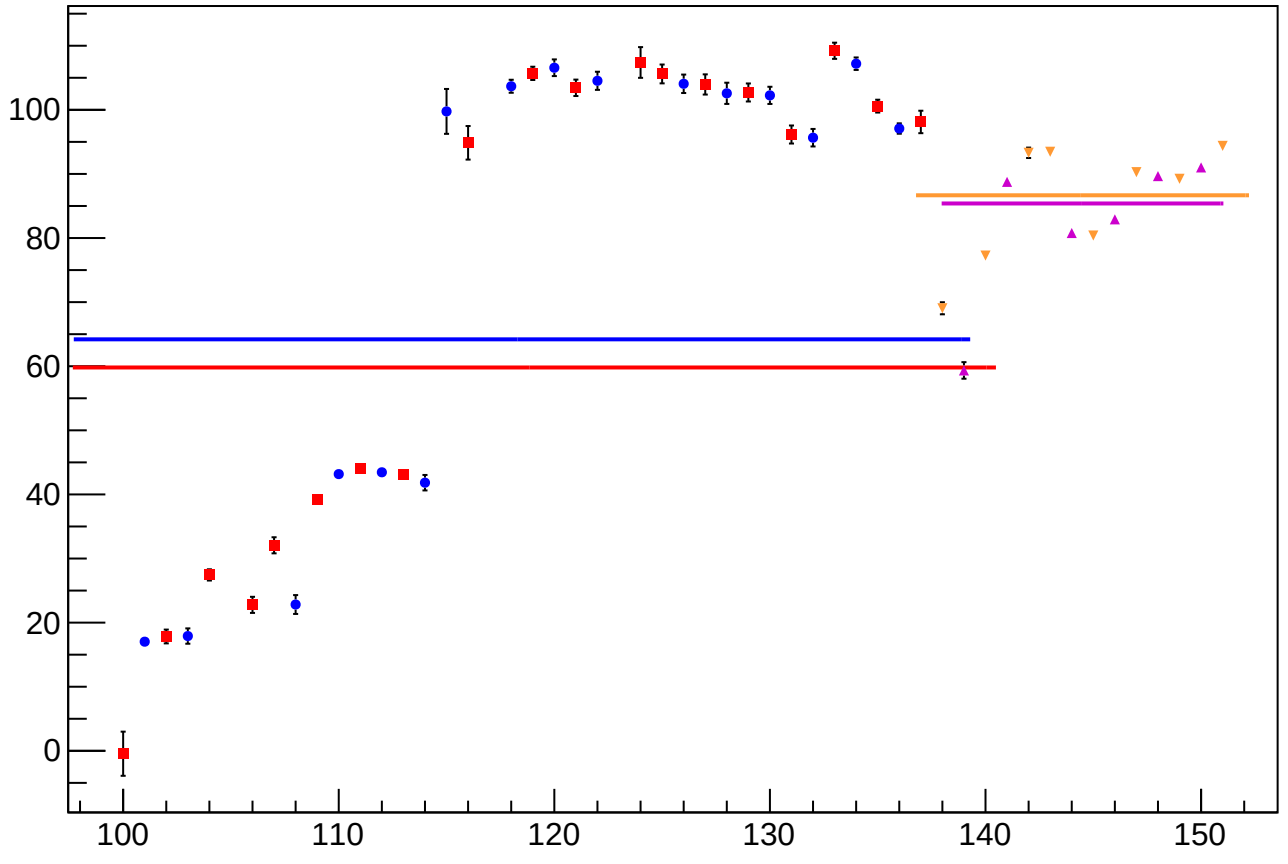
Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

Left In: -44.008+/-0.278 χ^2/NDF:783.6/5

+ sign -40.032+/-0.170 χ^2/NDF: 4504.6/23

All: -40.311+/-0.120 χ^2/NDF: 8304.7/48

- sign -40.587+/-0.169 χ^2/NDF: 3794.7/24



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 86.670+/-0.217 χ^2/NDF:1153.5/7

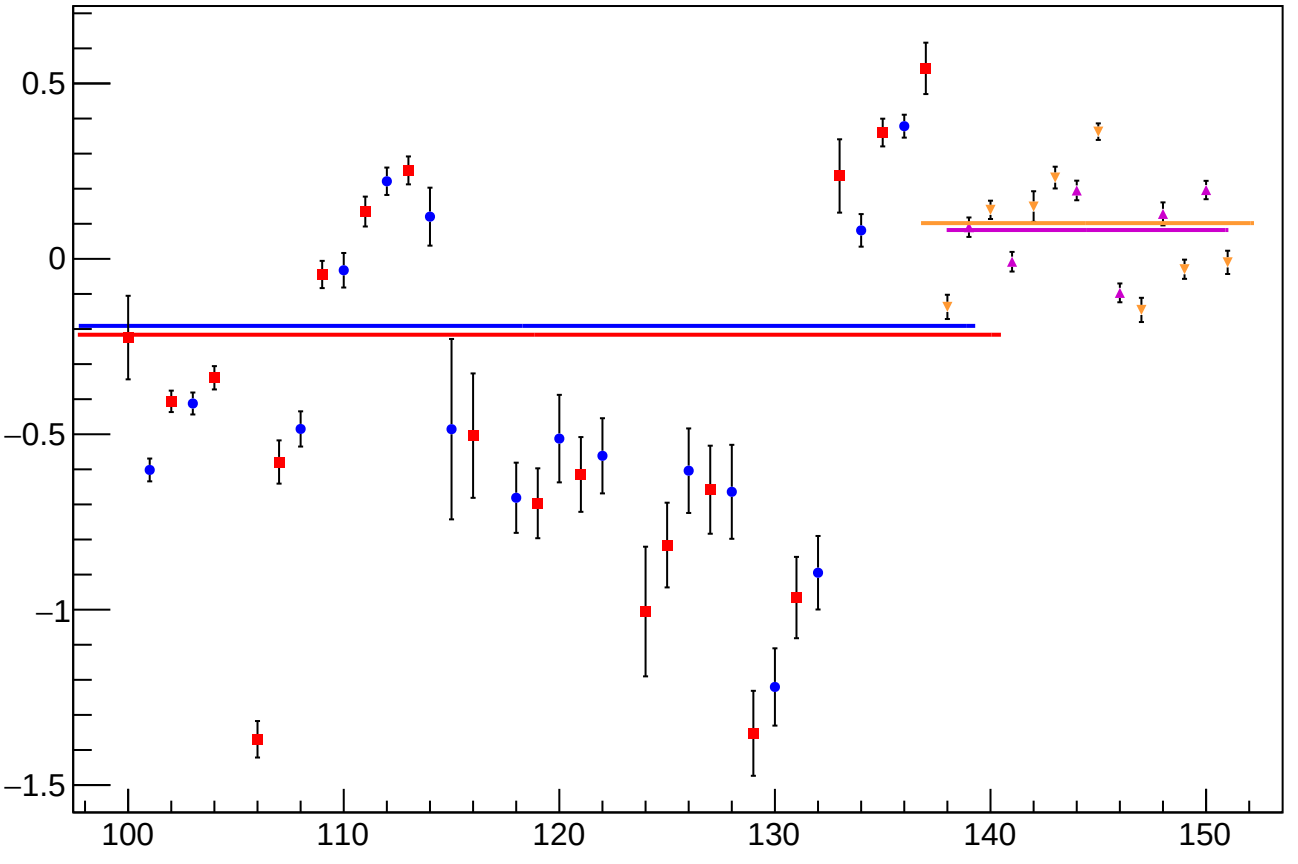
Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 85.391+/-0.236 χ^2/NDF:707.3/5

+ sign 77.312+/-0.166 χ^2/NDF: 24195.6/23

All: 75.352+/-0.119 χ^2/NDF: 48189.7/48

- sign 73.271+/-0.171 χ^2/NDF: 23707.1/24



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: 0.102+/-0.011 χ^2/NDF:276.9/7

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

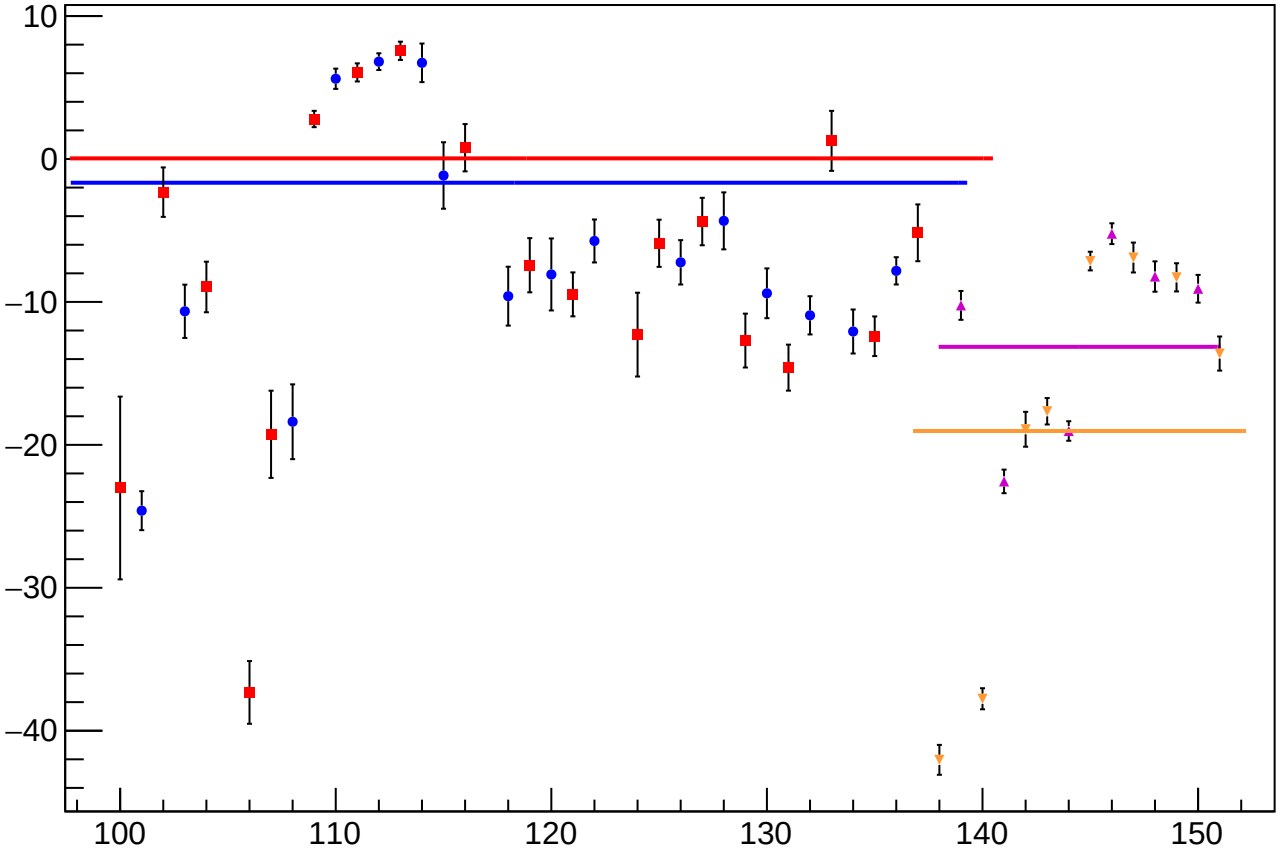
Left In: 0.082+/-0.011 χ^2/NDF:92.4/5

+ sign -0.012+/-0.008 χ^2/NDF: 1486.4/23

All: -0.030+/-0.006 χ^2/NDF: 3255.1/48

- sign -0.049+/-0.009 χ^2/NDF: 1759.1/24

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -1.661+/-0.308 χ^2/NDF: 900.3/15

Left Out: -19.029+/-0.323 χ^2/NDF:1737.1/7

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

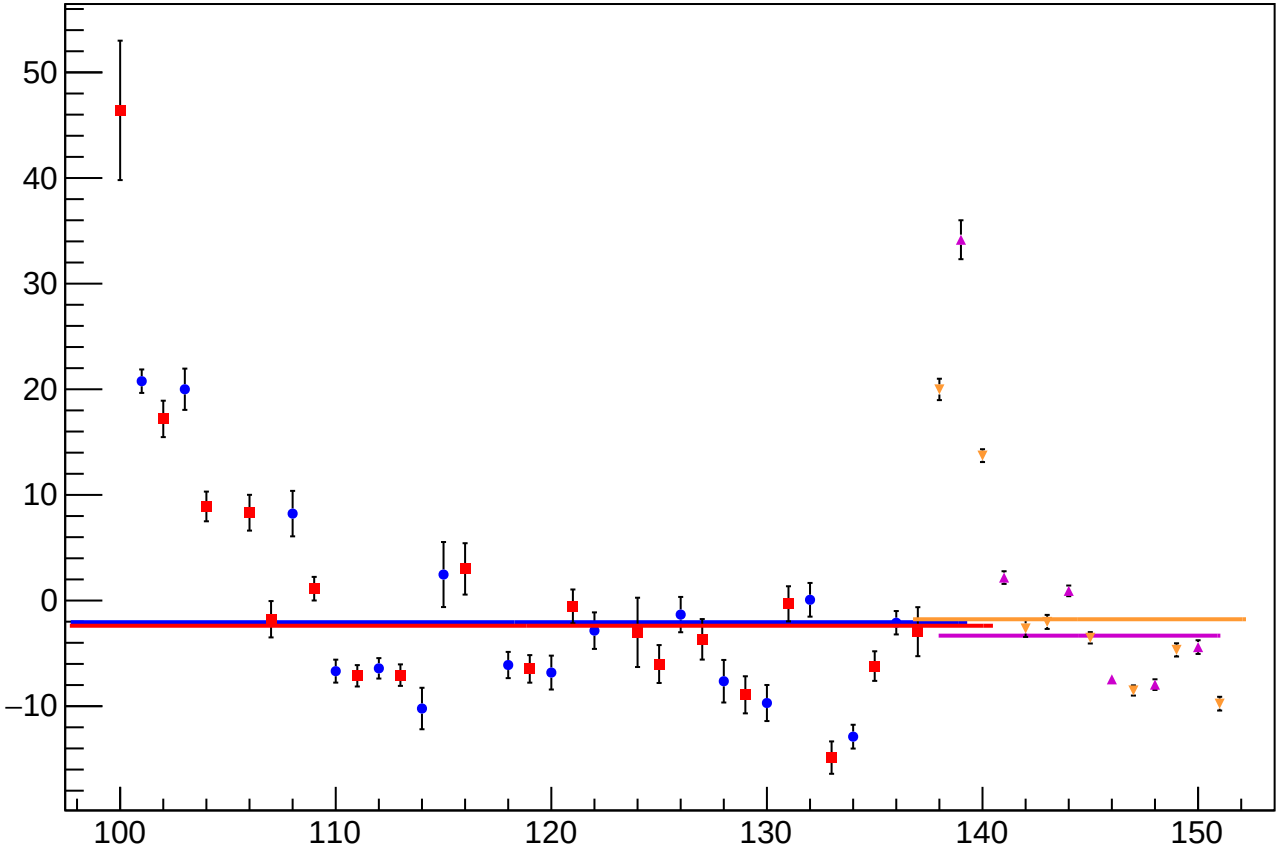
Left In: -13.142+/-0.344 χ^2/NDF:370.2/5

+ sign -9.935+/-0.223 χ^2/NDF: 4151.6/23

All: -7.540+/-0.156 χ^2/NDF: 6556.3/48

- sign -5.247+/-0.218 χ^2/NDF: 2178.7/24

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: -2.050+/-0.356 χ^2/NDF: 771.9/15

Left Out: -1.772+/-0.223 χ^2/NDF:1490.9/7

Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

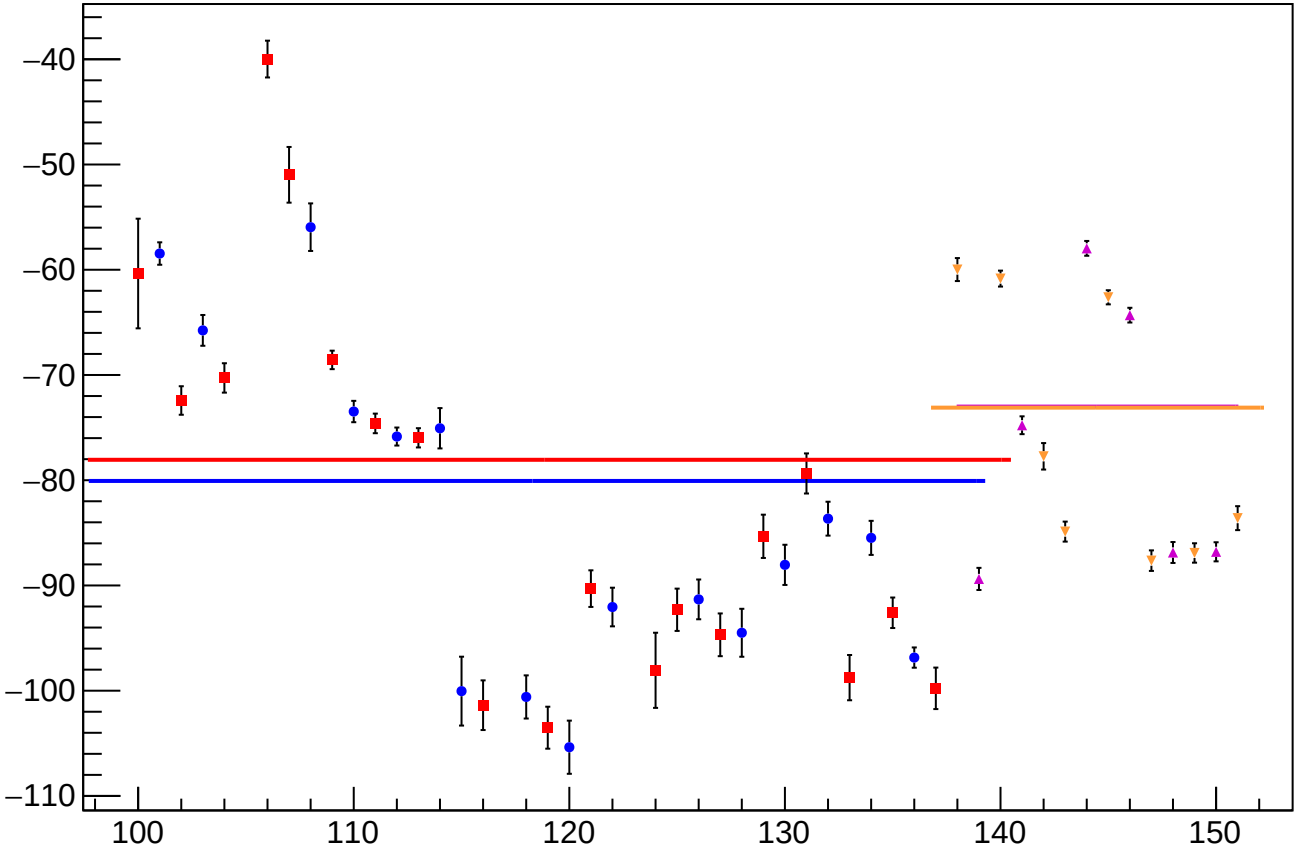
Left In: -3.323+/-0.231 χ^2/NDF:747.7/5

+ sign -1.850+/-0.189 χ^2/NDF: 2263.3/23

All: -2.432+/-0.135 χ^2/NDF: 3486.3/48

- sign -3.044+/-0.194 χ^2/NDF: 1203.5/24

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -73.104+/-0.324 χ^2/NDF:1349.1/7

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

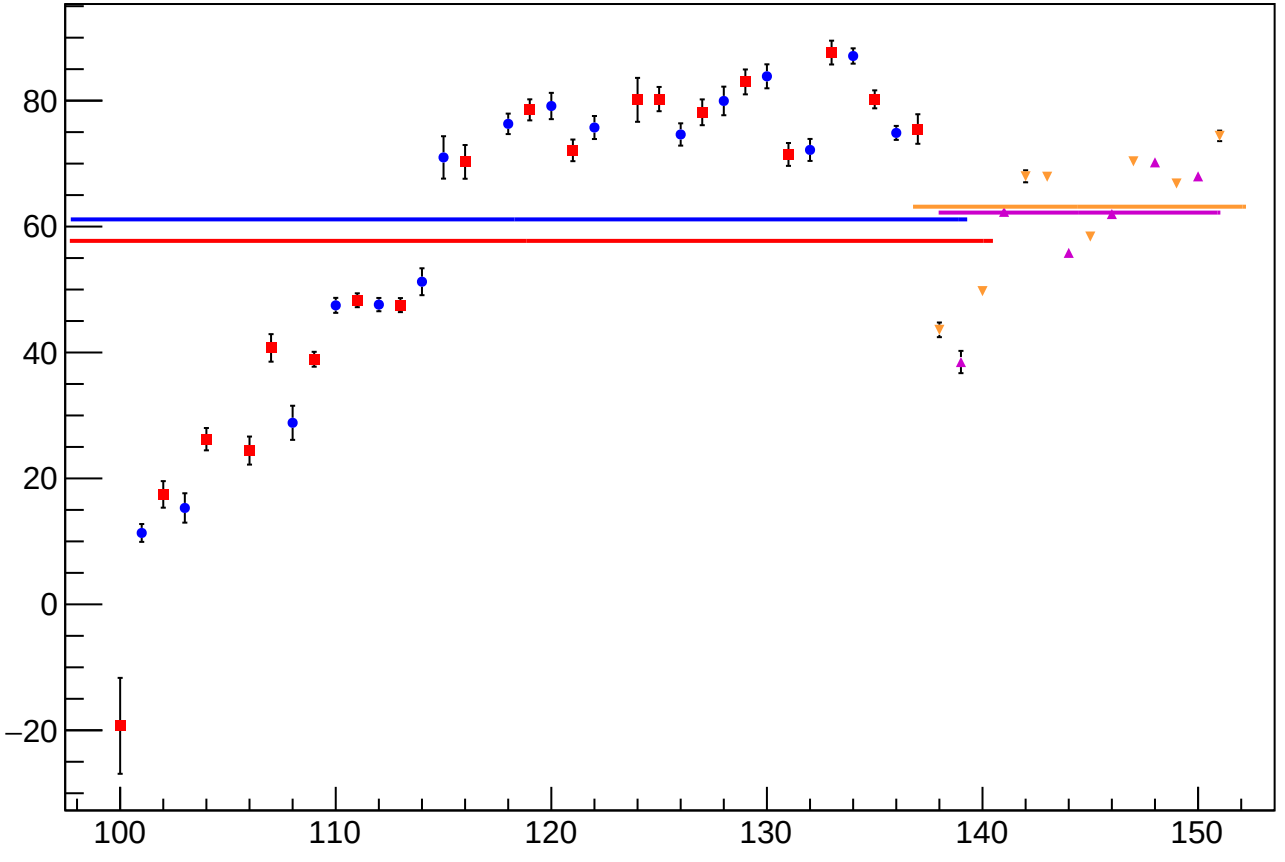
Left In: -73.004+/-0.341 χ^2/NDF:1283.2/5

+ sign -76.177+/-0.242 χ^2/NDF: 2940.5/23

All: -75.815+/-0.172 χ^2/NDF: 5895.3/48

- sign -75.442+/-0.246 χ^2/NDF: 2950.3/24

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 63.158+/-0.273 χ^2/NDF:1062.8/7

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

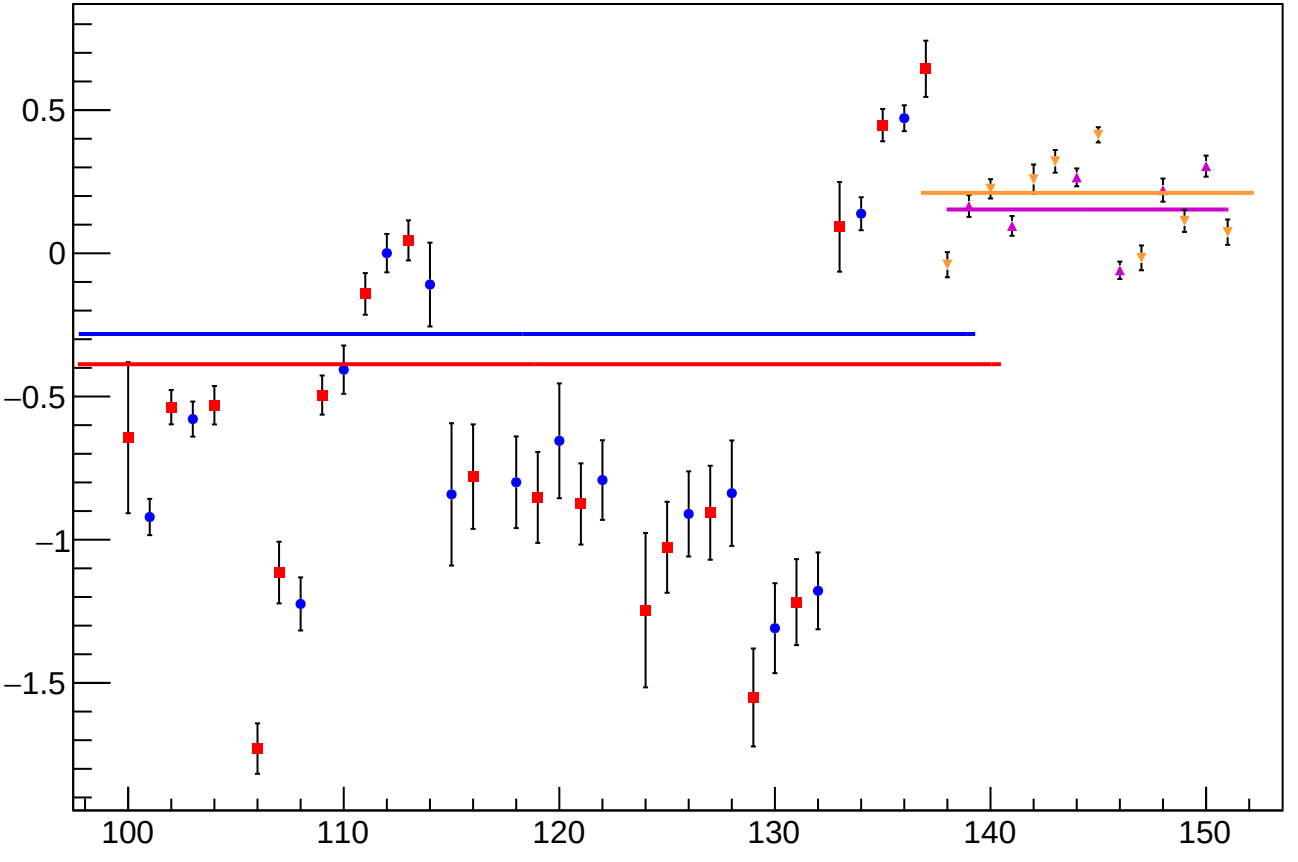
Left In: 62.220+/-0.284 χ^2/NDF:486.0/5

+ sign 62.517+/-0.226 χ^2/NDF: 4309.4/23

All: 61.639+/-0.162 χ^2/NDF: 7685.9/48

- sign 60.713+/-0.232 χ^2/NDF: 3345.3/24

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: 0.211+/-0.013 χ^2/NDF:142.9/7

Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

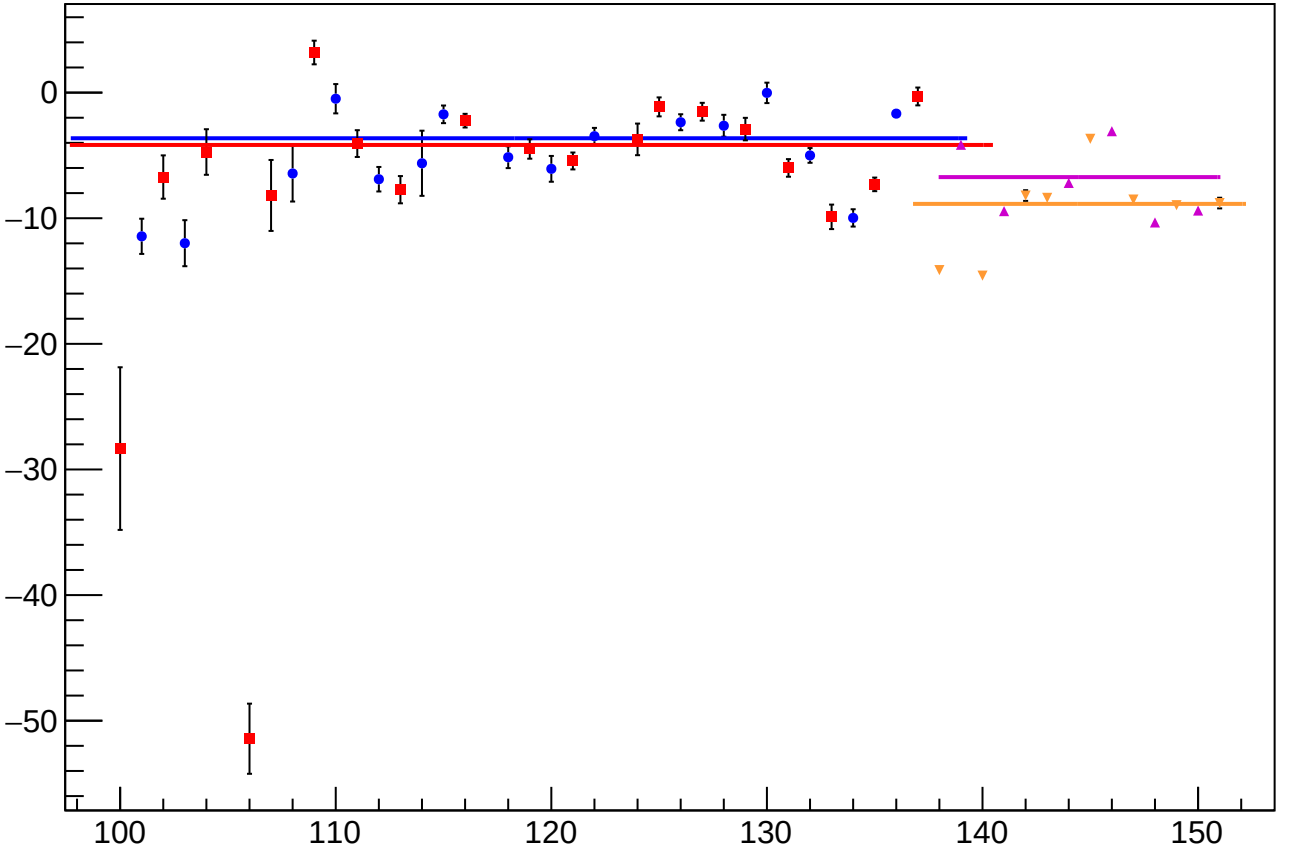
Left In: 0.153+/-0.014 χ^2/NDF:84.4/5

+ sign 0.074+/-0.011 χ^2/NDF: 1245.6/23

All: 0.036+/-0.008 χ^2/NDF: 2601.7/48

- sign -0.006+/-0.012 χ^2/NDF: 1332.5/24

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -8.859+/-0.112 χ^2/NDF:1267.0/7

Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

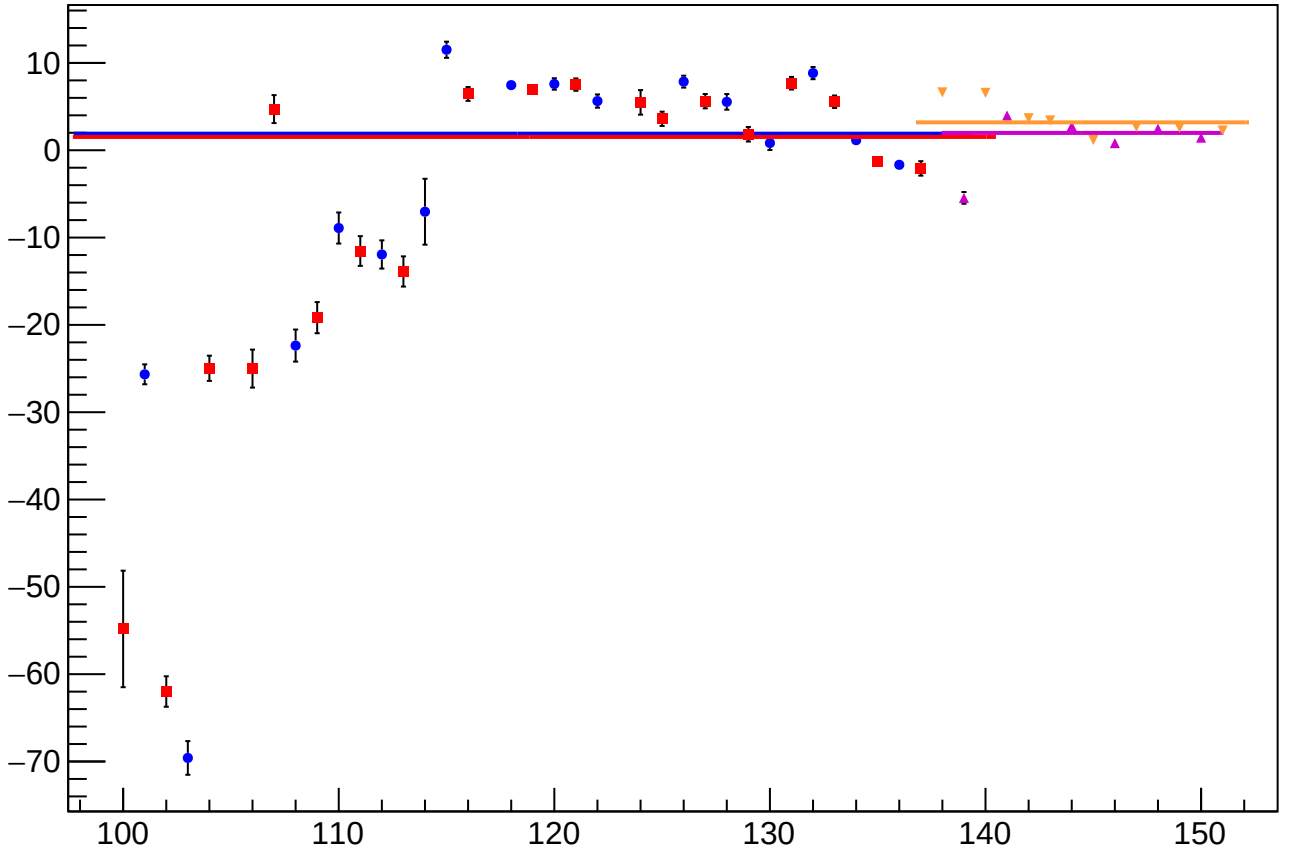
Left In: -6.726+/-0.117 χ^2/NDF:544.1/5

+ sign -7.499+/-0.096 χ^2/NDF: 2066.8/23

All: -6.818+/-0.070 χ^2/NDF: 3367.8/48

- sign -6.067+/-0.101 χ^2/NDF: 1196.1/24

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 1.898+/-0.189 χ^2/NDF: 2838.2/15

Left Out: 3.193+/-0.078 χ^2/NDF:506.6/7

Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

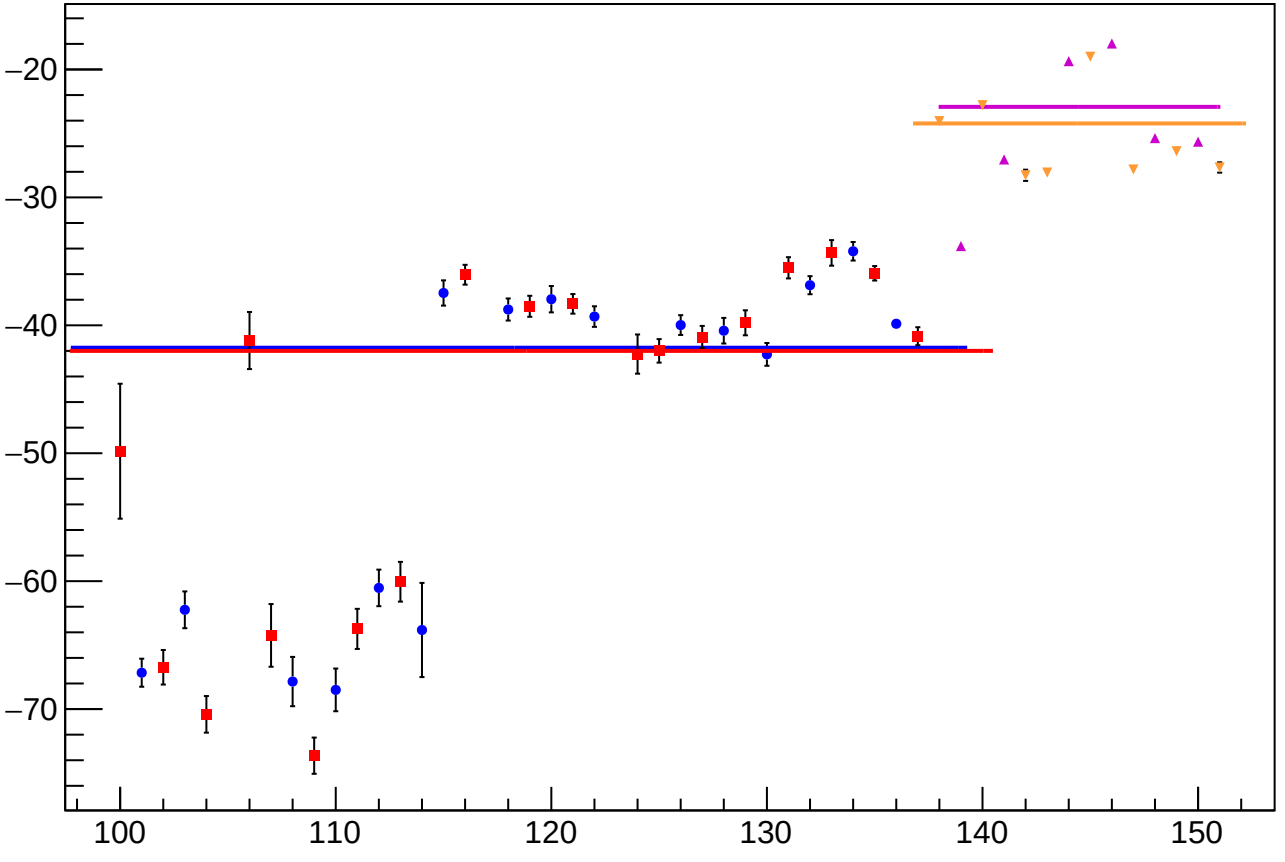
Left In: 1.985+/-0.079 χ^2/NDF:317.2/5

+ sign 3.005+/-0.072 χ^2/NDF: 3385.0/23

All: 2.477+/-0.051 χ^2/NDF: 6375.9/48

- sign 1.928+/-0.073 χ^2/NDF: 2881.3/24

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -41.751+/-0.208 χ^2/NDF: 1633.9/15

Left Out: -24.220+/-0.113 χ^2/NDF:1027.6/7

Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

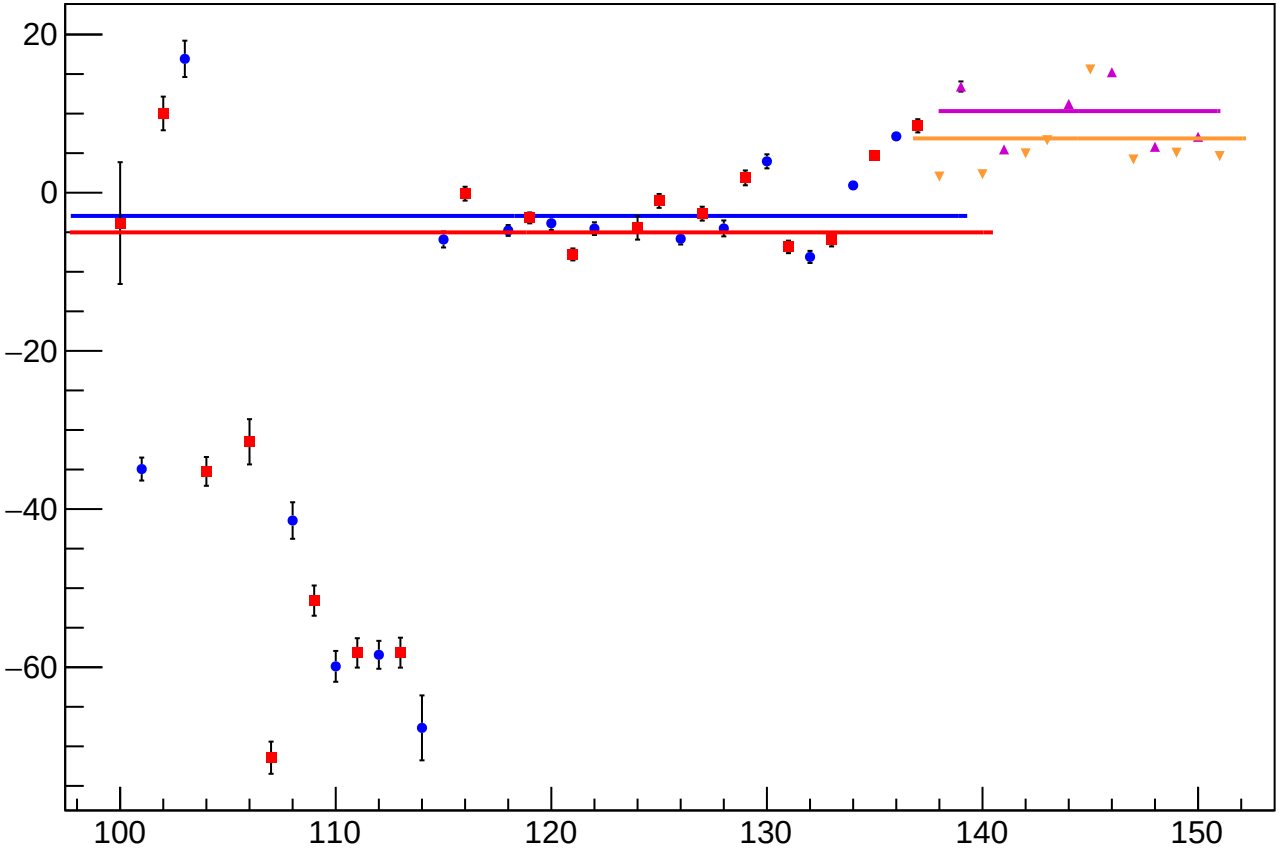
Left In: -22.922+/-0.116 χ^2/NDF:1839.0/5

+ sign -28.209+/-0.099 χ^2/NDF: 8168.6/23

All: -27.564+/-0.072 χ^2/NDF: 17625.5/48

- sign -26.857+/-0.104 χ^2/NDF: 9368.0/24

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 6.862+/-0.095 χ^2/NDF:2549.2/7

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

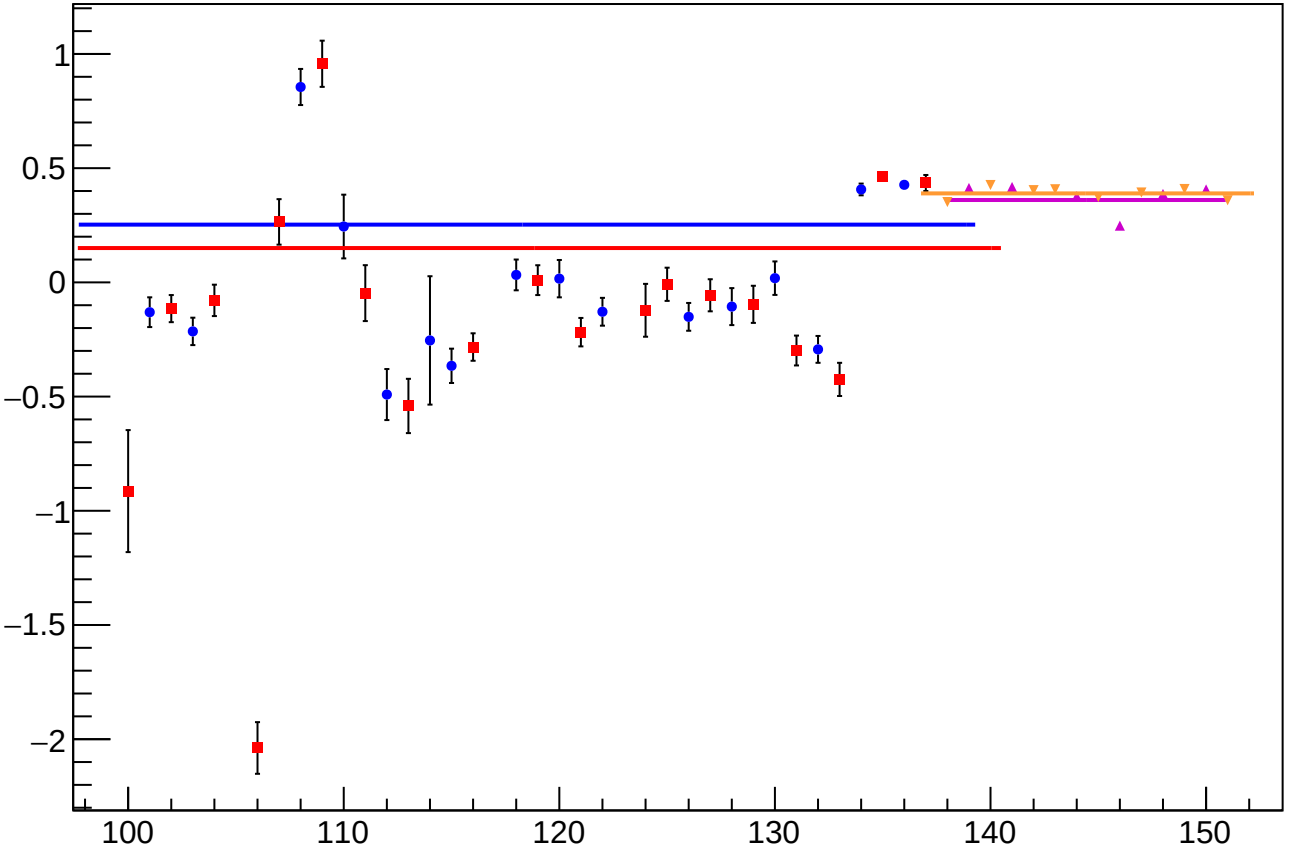
Left In: 10.317+/-0.097 χ^2/NDF:1701.7/5

+ sign 5.184+/-0.087 χ^2/NDF: 8084.7/23

All: 6.579+/-0.062 χ^2/NDF: 18424.6/48

- sign 8.050+/-0.089 χ^2/NDF: 9808.8/24

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.253+/-0.011 χ^2/NDF: 631.0/15

Left Out: 0.390+/-0.005 χ^2/NDF:27.0/7

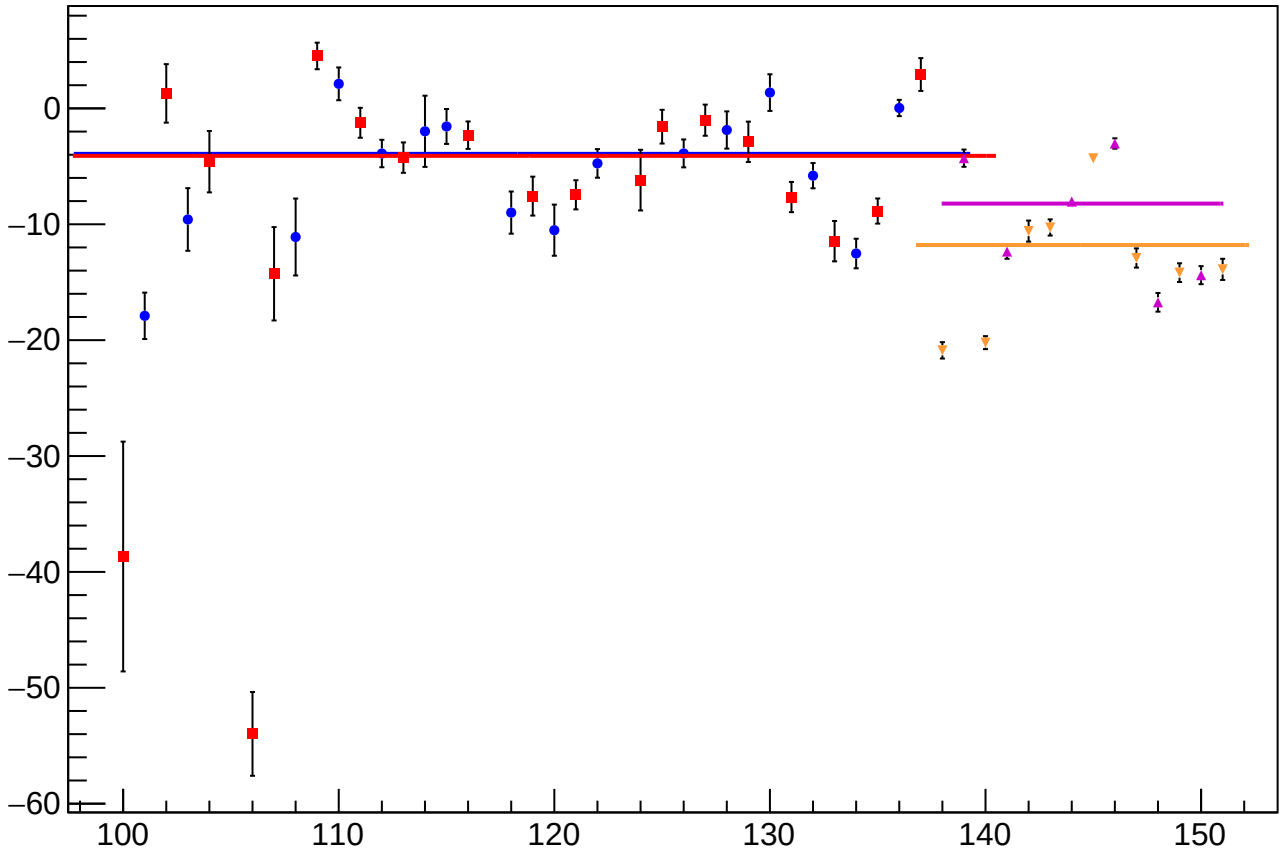
Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

Left In: 0.361+/-0.005 χ^2/NDF:190.1/5

+ sign 0.370+/-0.004 χ^2/NDF: 779.8/23

All: 0.354+/-0.003 χ^2/NDF: 2236.3/48

- sign 0.336+/-0.005 χ^2/NDF: 1427.2/24



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -11.790+/-0.229 χ^2/NDF:774.4/7

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

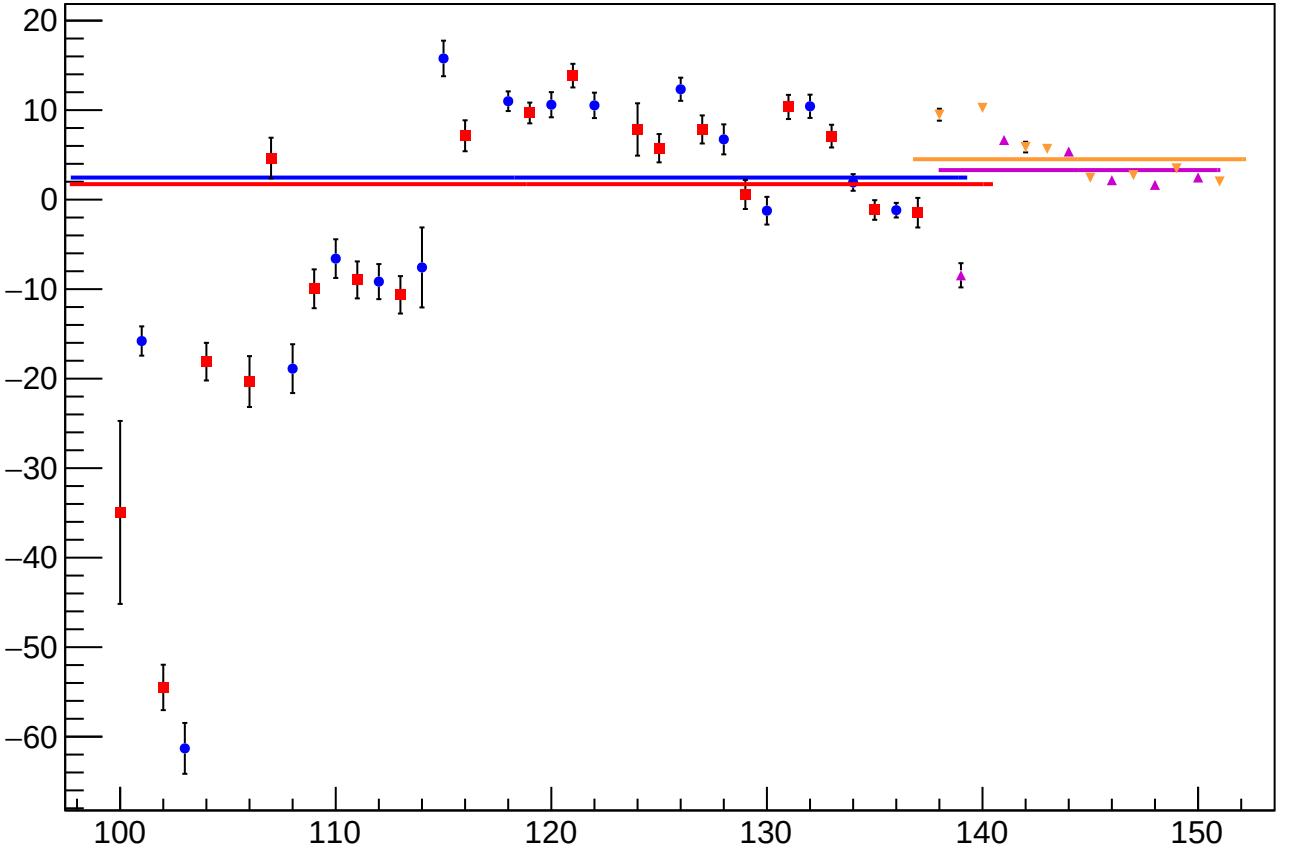
Left In: -8.215+/-0.236 χ^2/NDF:380.6/5

+ sign -9.395+/-0.191 χ^2/NDF: 1322.7/23

All: -8.216+/-0.137 χ^2/NDF: 2241.7/48

- sign -6.961+/-0.197 χ^2/NDF: 840.2/24

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 2.465+/-0.357 χ^2/NDF: 1046.7/15

Left Out: 4.515+/-0.162 χ^2/NDF:313.3/7

Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

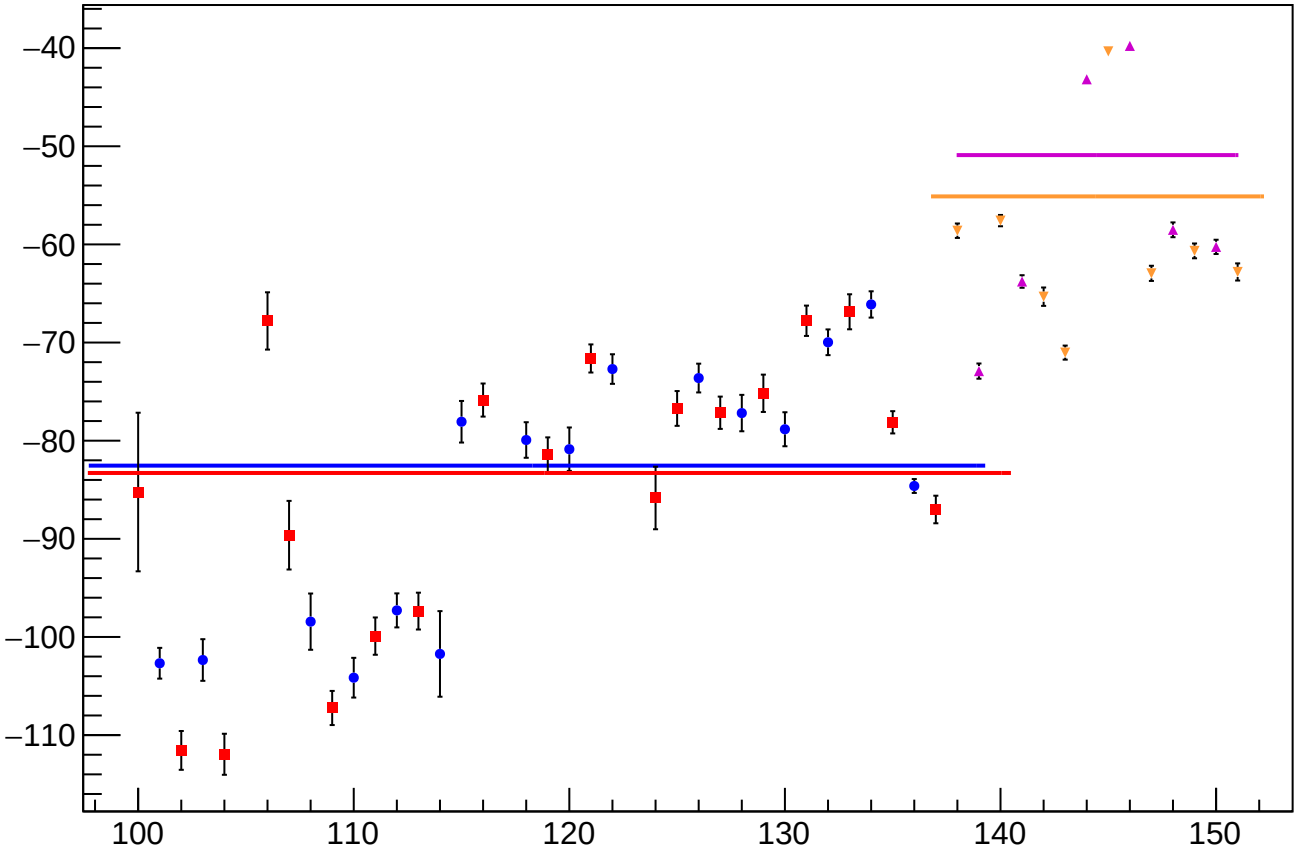
Left In: 3.300+/-0.158 χ^2/NDF:212.7/5

+ sign 4.166+/-0.147 χ^2/NDF: 1387.4/23

All: 3.616+/-0.104 χ^2/NDF: 2625.2/48

- sign 3.076+/-0.146 χ^2/NDF: 1210.0/24

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -82.542+/-0.384 χ^2/NDF: 838.8/15

Left Out: -55.109+/-0.231 χ^2/NDF:2209.3/7

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

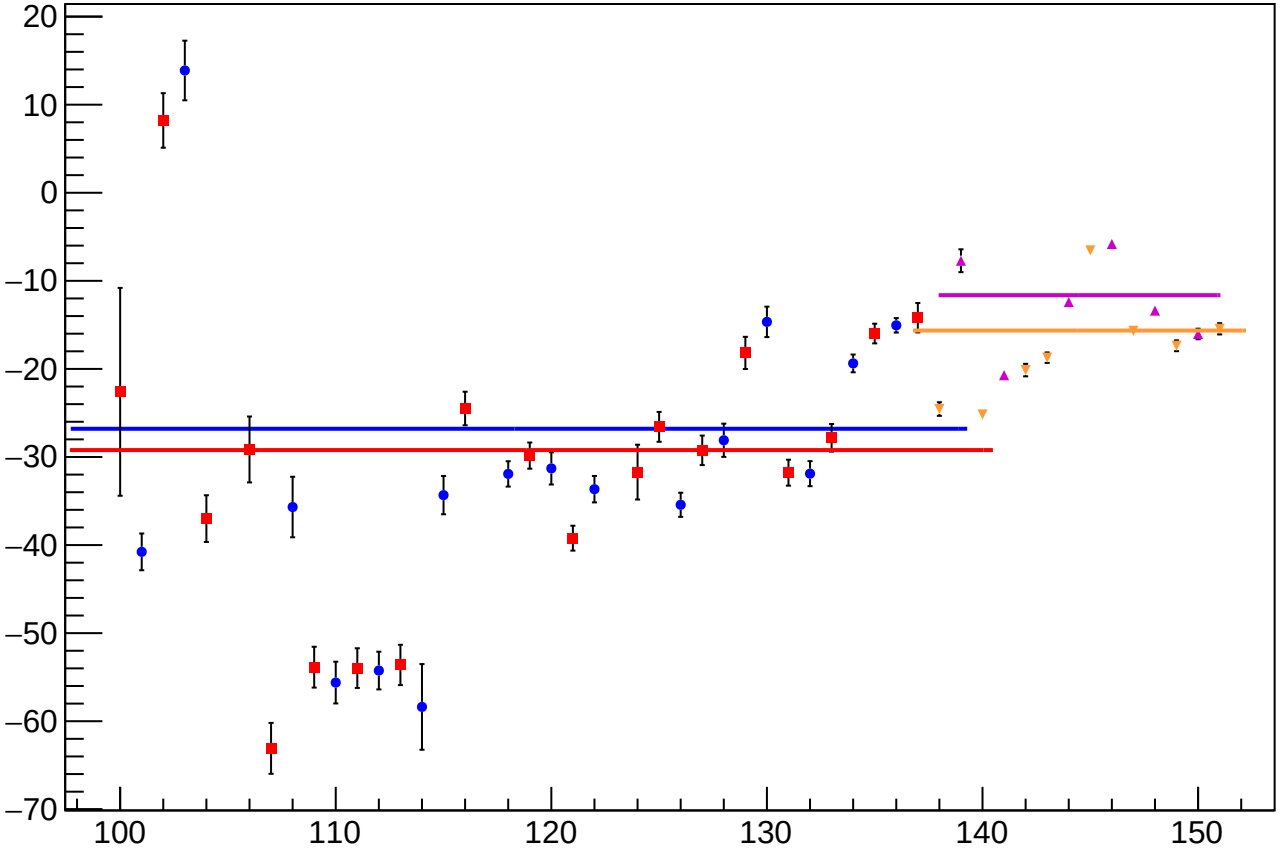
Left In: -50.900+/-0.234 χ^2/NDF:2445.9/5

+ sign -62.394+/-0.198 χ^2/NDF: 6790.3/23

All: -60.629+/-0.142 χ^2/NDF: 15123.0/48

- sign -58.757+/-0.204 χ^2/NDF: 8169.0/24

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -26.796+/-0.396 χ^2/NDF: 963.5/15

Left Out: -15.642+/-0.197 χ^2/NDF:1114.5/7

Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

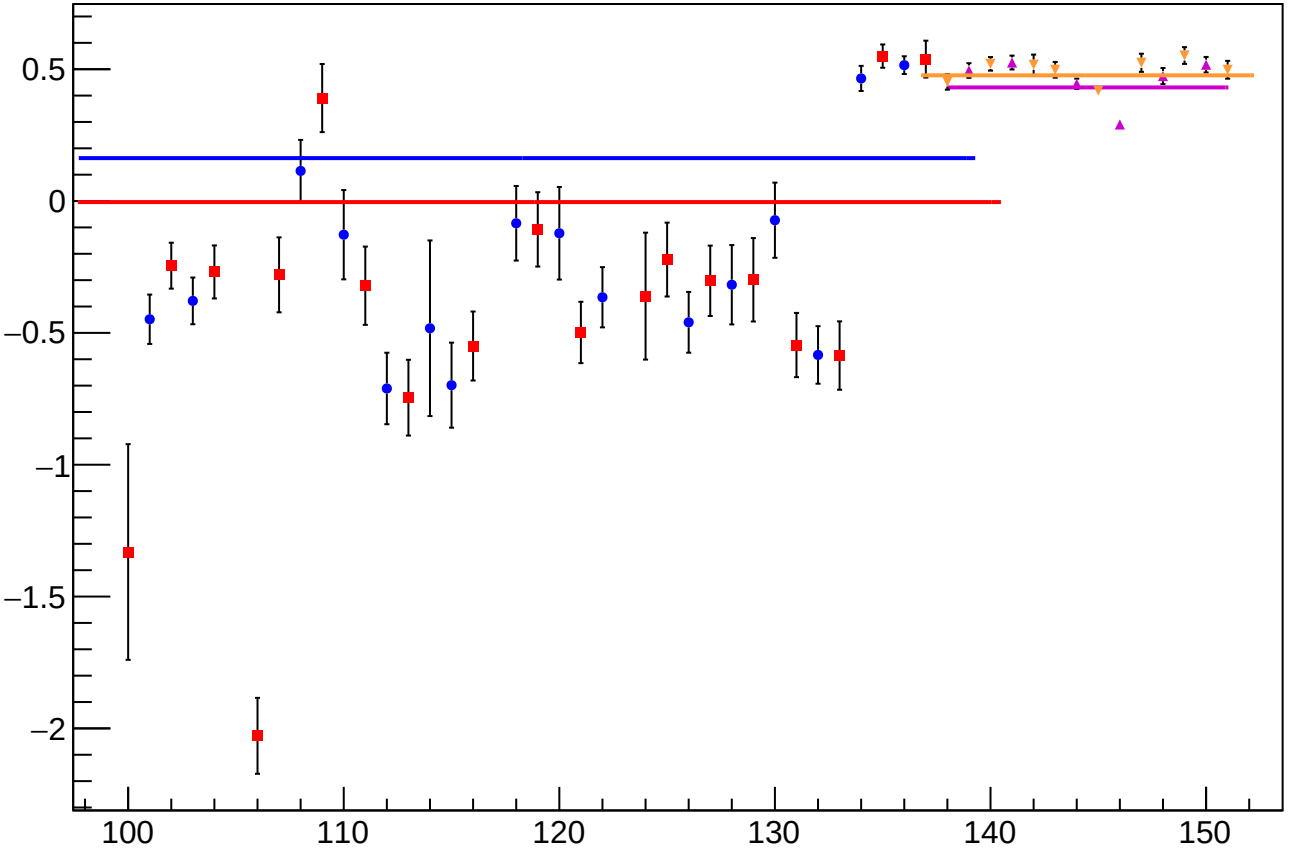
Left In: -11.627+/-0.194 χ^2/NDF:666.4/5

+ sign -17.853+/-0.176 χ^2/NDF: 2715.4/23

All: -16.226+/-0.125 χ^2/NDF: 5898.3/48

- sign -14.587+/-0.177 χ^2/NDF: 3011.6/24

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.477+/-0.010 χ^2/NDF:25.9/7

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

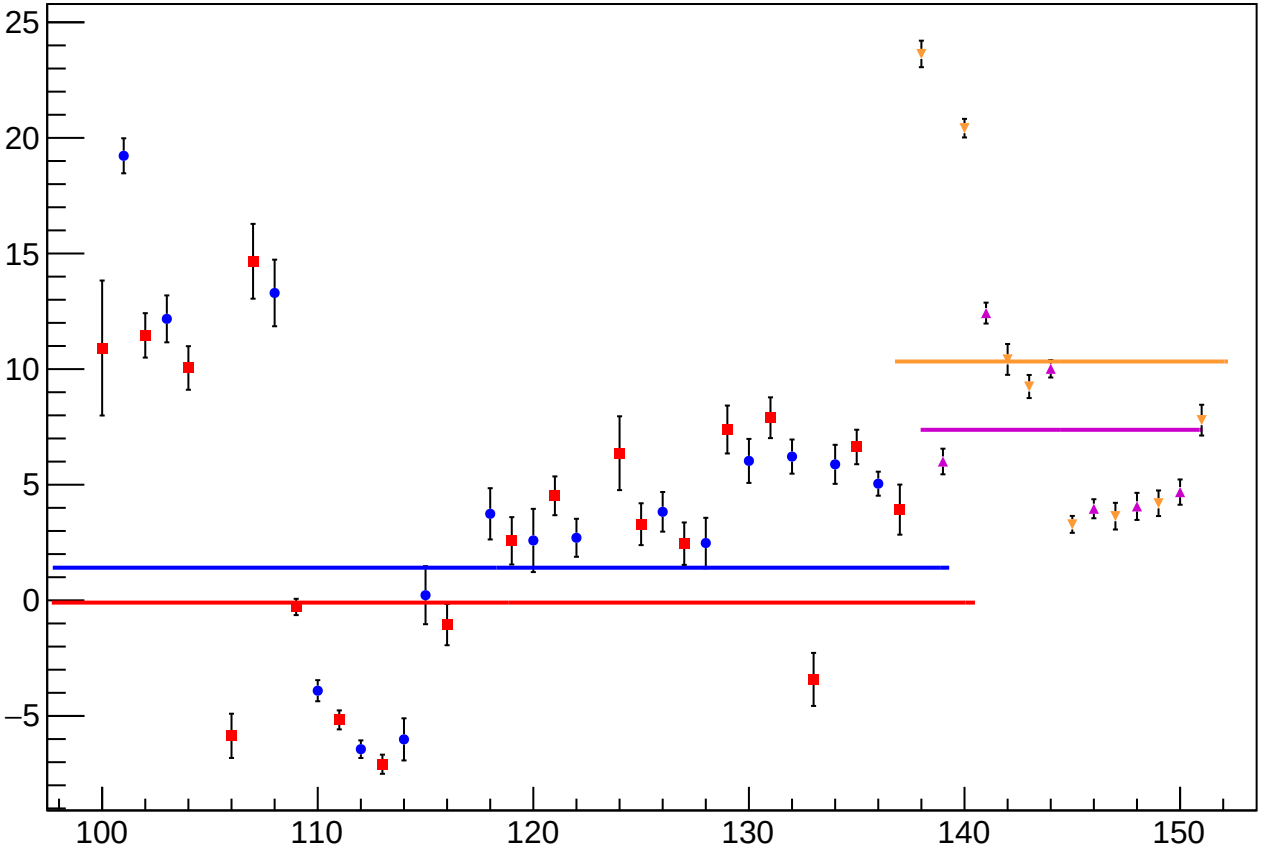
Left In: 0.431+/-0.010 χ^2/NDF:85.6/5

+ sign 0.425+/-0.009 χ^2/NDF: 628.1/23

All: 0.399+/-0.006 χ^2/NDF: 1578.8/48

- sign 0.371+/-0.009 χ^2/NDF: 932.2/24

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: 10.330+/-0.178 χ^2/NDF:1813.5/7

Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

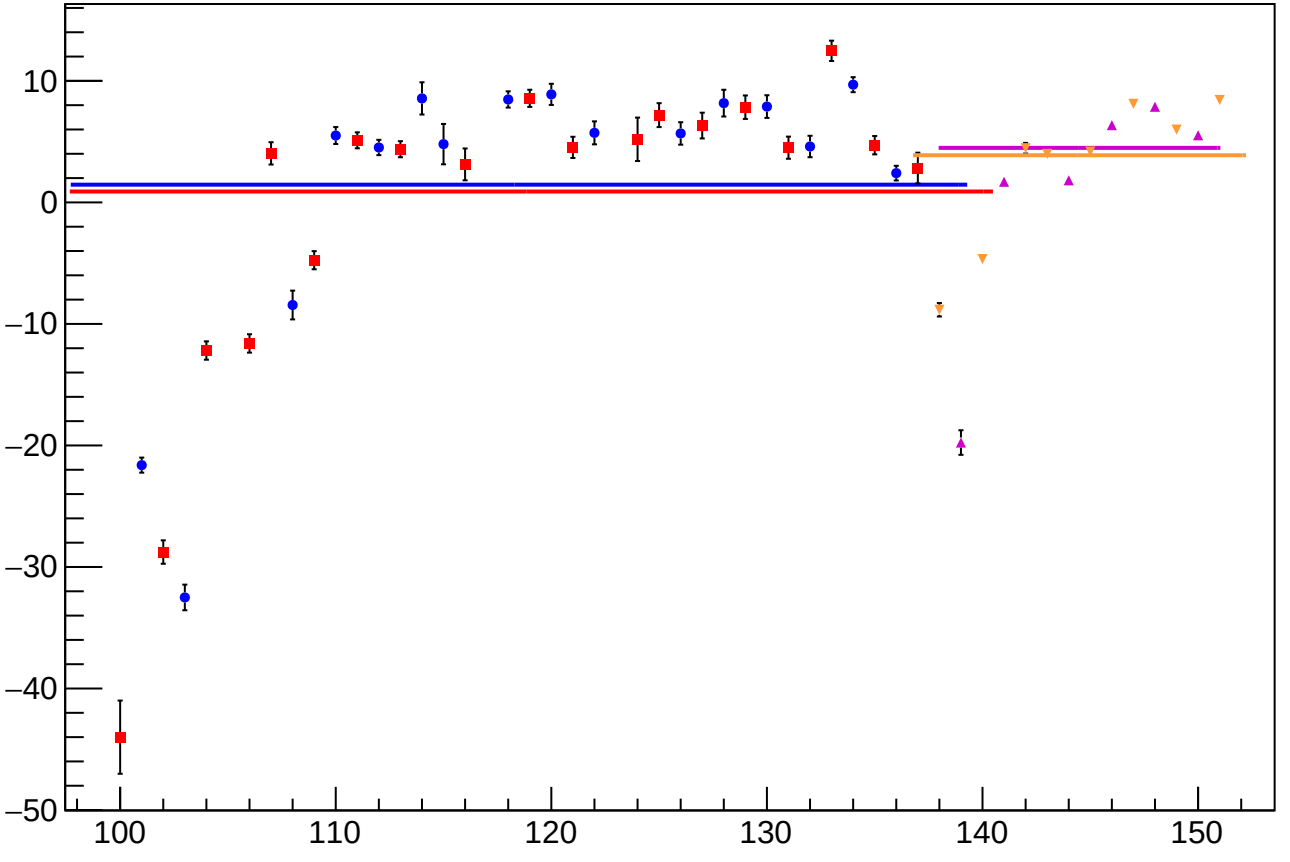
Left In: 7.375+/-0.191 χ^2/NDF:305.1/5

+ sign 5.990+/-0.128 χ^2/NDF: 4553.4/23

All: 4.547+/-0.090 χ^2/NDF: 7122.1/48

- sign 3.144+/-0.126 χ^2/NDF: 2317.1/24

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: 3.880+/-0.123 χ^2/NDF:1636.4/7

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

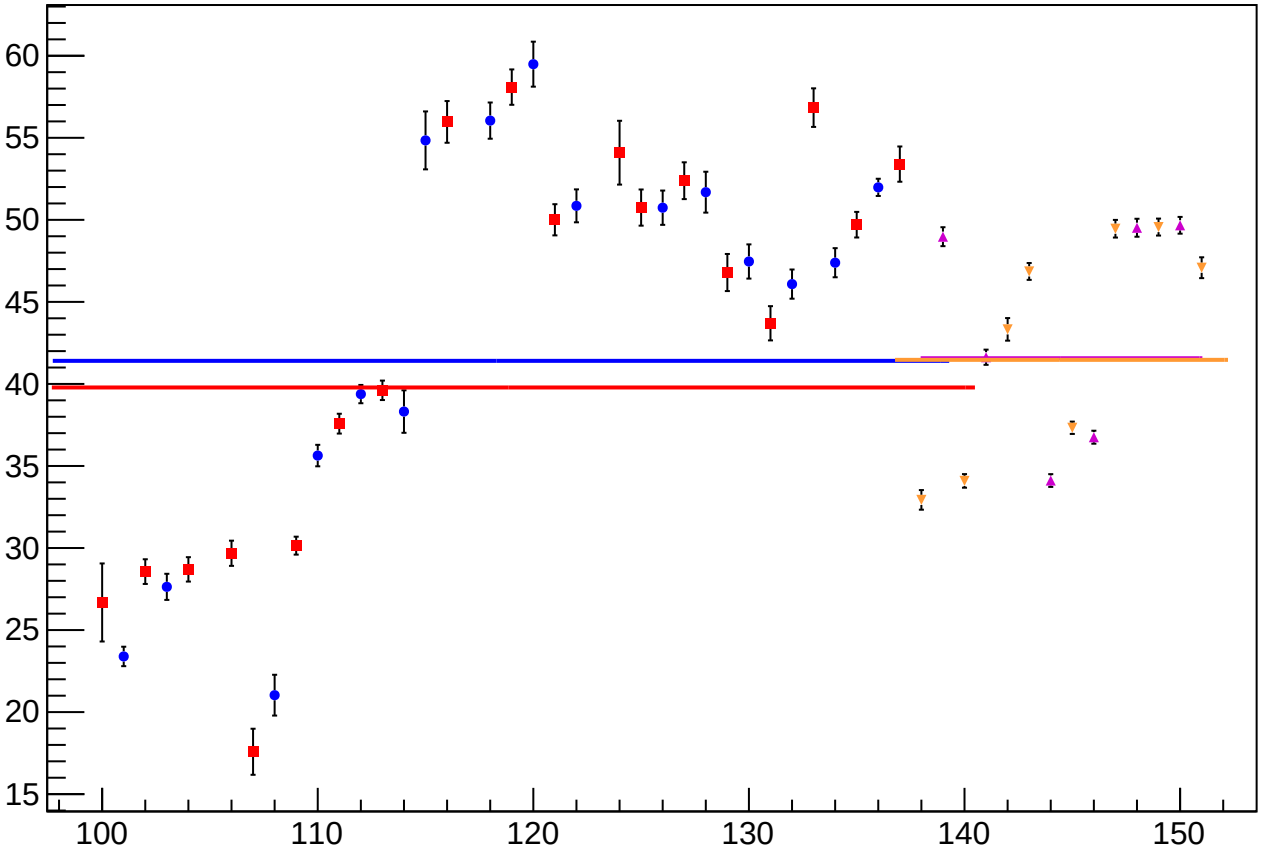
Left In: 4.487+/-0.128 χ^2/NDF:956.5/5

+ sign 3.232+/-0.105 χ^2/NDF: 4820.4/23

All: 3.342+/-0.075 χ^2/NDF: 8381.5/48

- sign 3.458+/-0.108 χ^2/NDF: 3558.9/24

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 41.407+/-0.211 χ^2/NDF: 2746.0/15

Left Out: 41.468+/-0.179 χ^2/NDF:1303.2/7

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

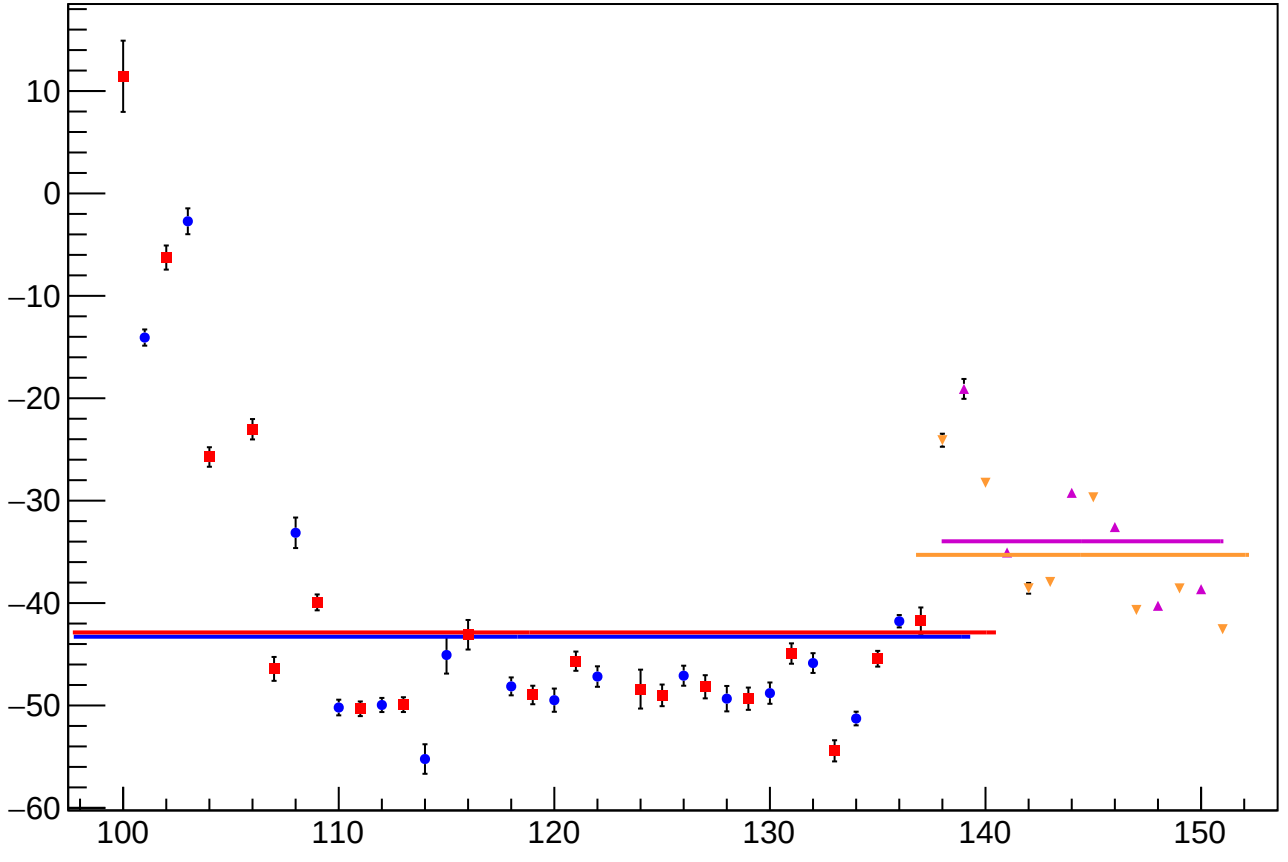
Left In: 41.567+/-0.190 χ^2/NDF:1142.8/5

+ sign 41.442+/-0.136 χ^2/NDF: 4049.3/23

All: 41.095+/-0.097 χ^2/NDF: 7900.4/48

- sign 40.736+/-0.139 χ^2/NDF: 3837.9/24

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: -35.293+/-0.151 χ^2/NDF:1480.9/7

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

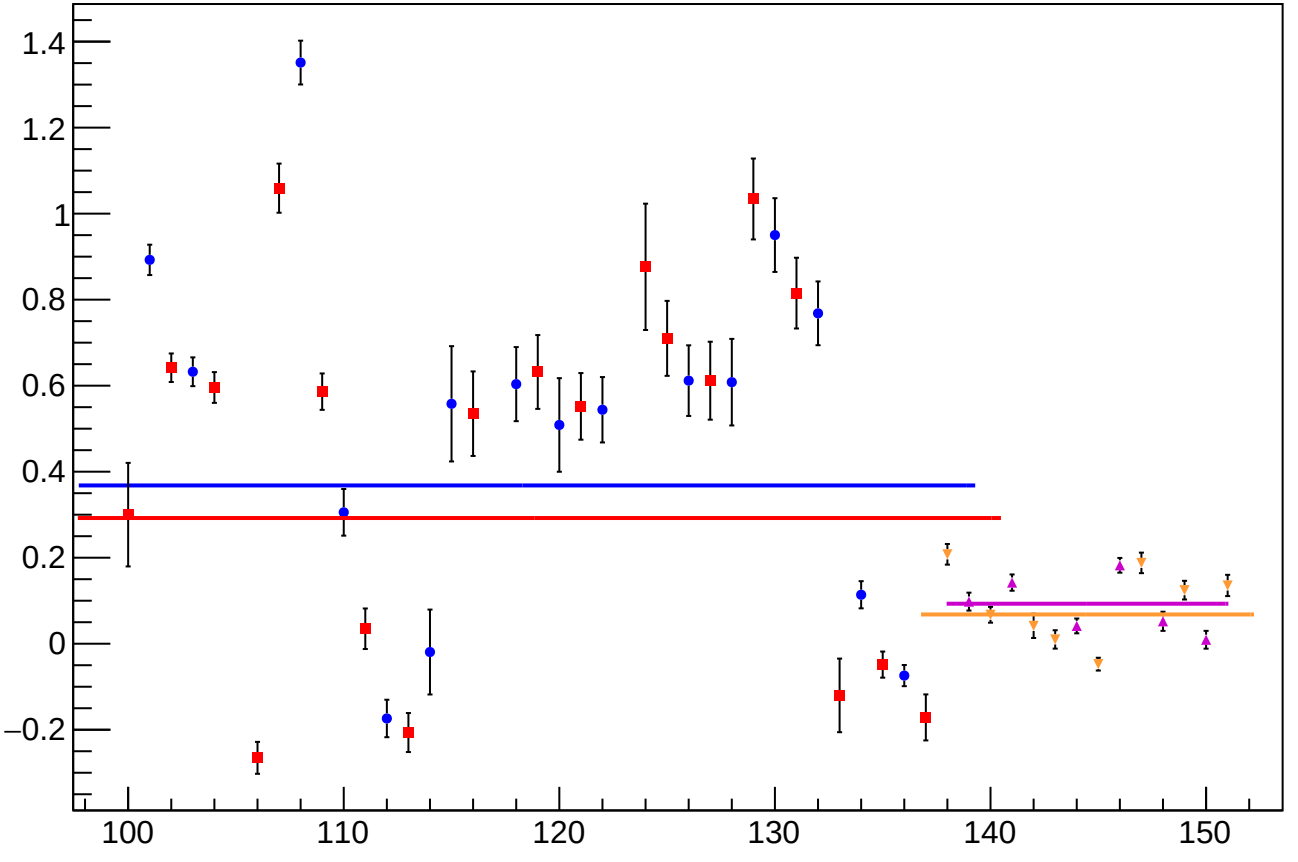
Left In: -33.969+/-0.158 χ^2/NDF:863.3/5

+ sign -37.705+/-0.126 χ^2/NDF: 5314.1/23

All: -37.281+/-0.090 χ^2/NDF: 9679.1/48

- sign -36.831+/-0.130 χ^2/NDF: 4341.6/24

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: 0.068+/-0.007 χ^2/NDF:141.7/7

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

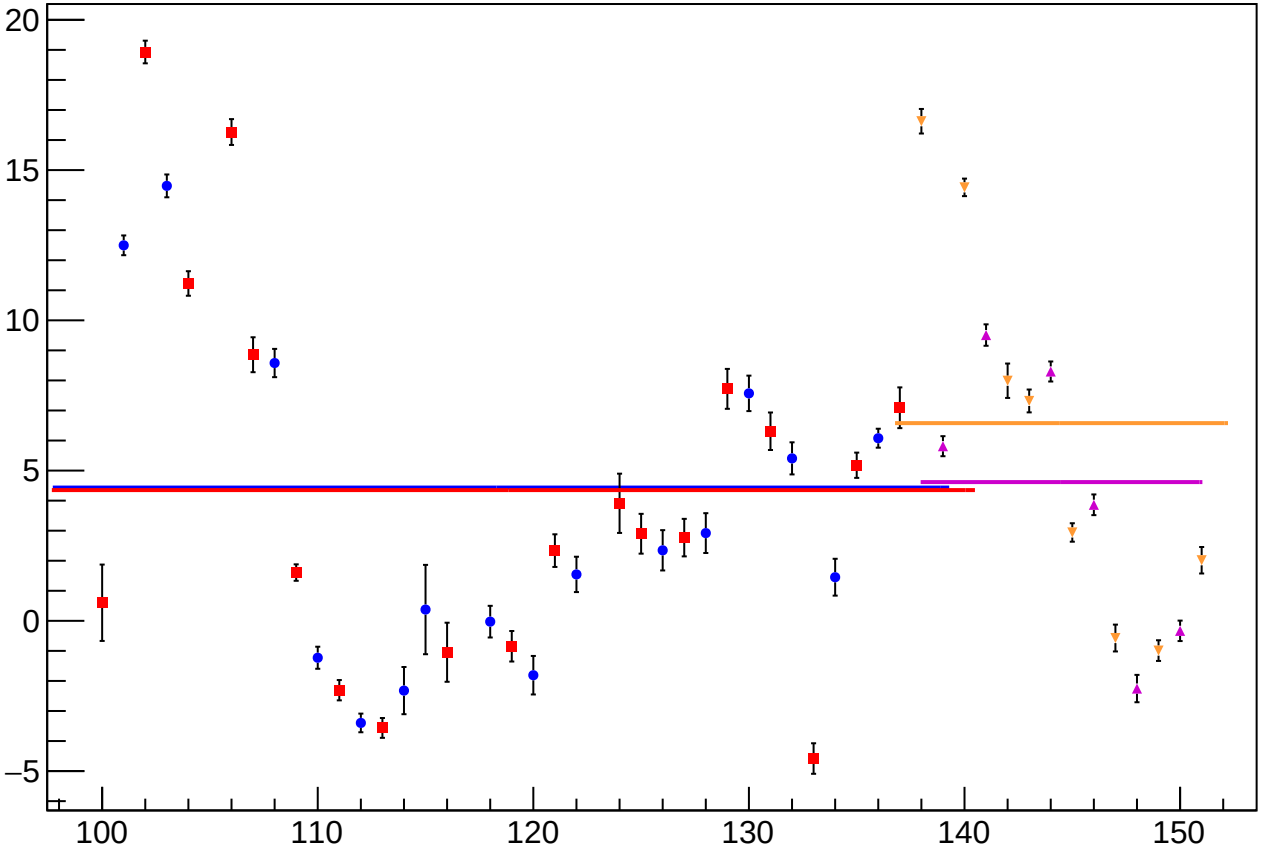
Left In: 0.093+/-0.008 χ^2/NDF:62.7/5

+ sign 0.149+/-0.006 χ^2/NDF: 1903.7/23

All: 0.150+/-0.005 χ^2/NDF: 3356.5/48

- sign 0.152+/-0.007 χ^2/NDF: 1452.7/24

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: 6.579+/-0.133 χ^2/NDF:2326.3/7

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

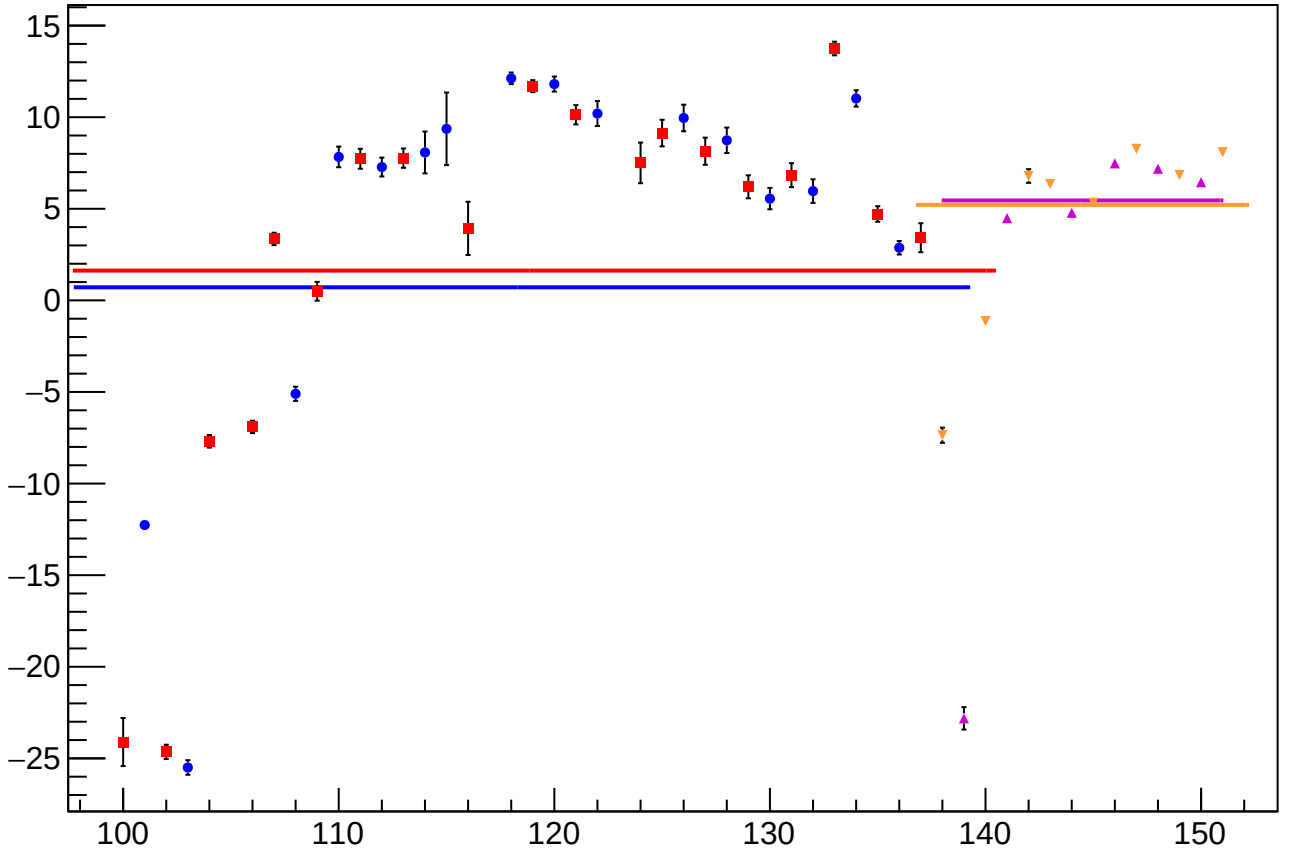
Left In: 4.617+/-0.145 χ^2/NDF:767.2/5

+ sign 5.374+/-0.088 χ^2/NDF: 5095.6/23

All: 4.908+/-0.062 χ^2/NDF: 10126.4/48

- sign 4.447+/-0.087 χ^2/NDF: 4974.6/24

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: 5.213+/-0.092 χ^2/NDF:2036.8/7

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

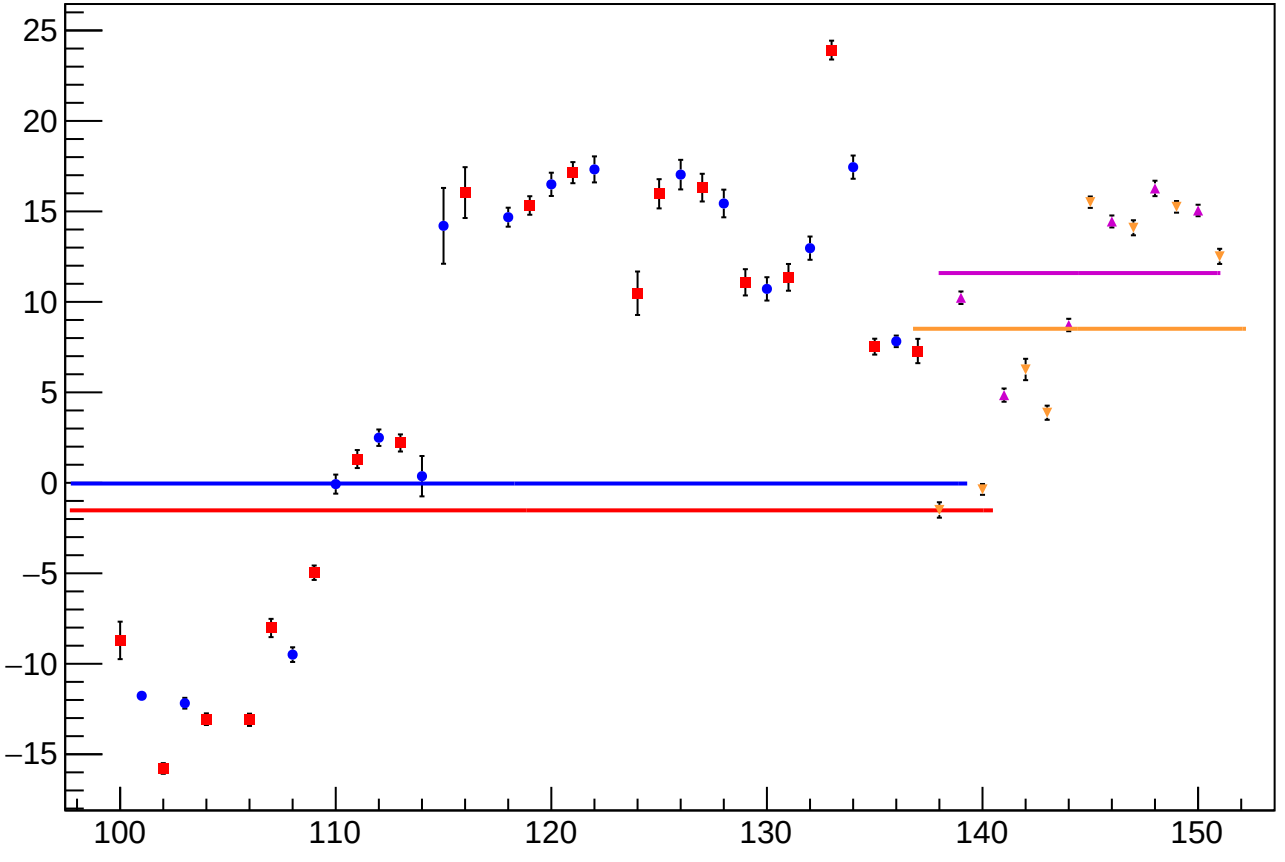
Left In: 5.456+/-0.102 χ^2/NDF:2330.1/5

+ sign 3.474+/-0.072 χ^2/NDF: 13414.3/23

All: 3.584+/-0.052 χ^2/NDF: 25649.7/48

- sign 3.703+/-0.075 χ^2/NDF: 12230.6/24

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: -0.038+/-0.119 χ^2/NDF: 9274.3/15

Left Out: 8.514+/-0.132 χ^2/NDF:2785.2/7

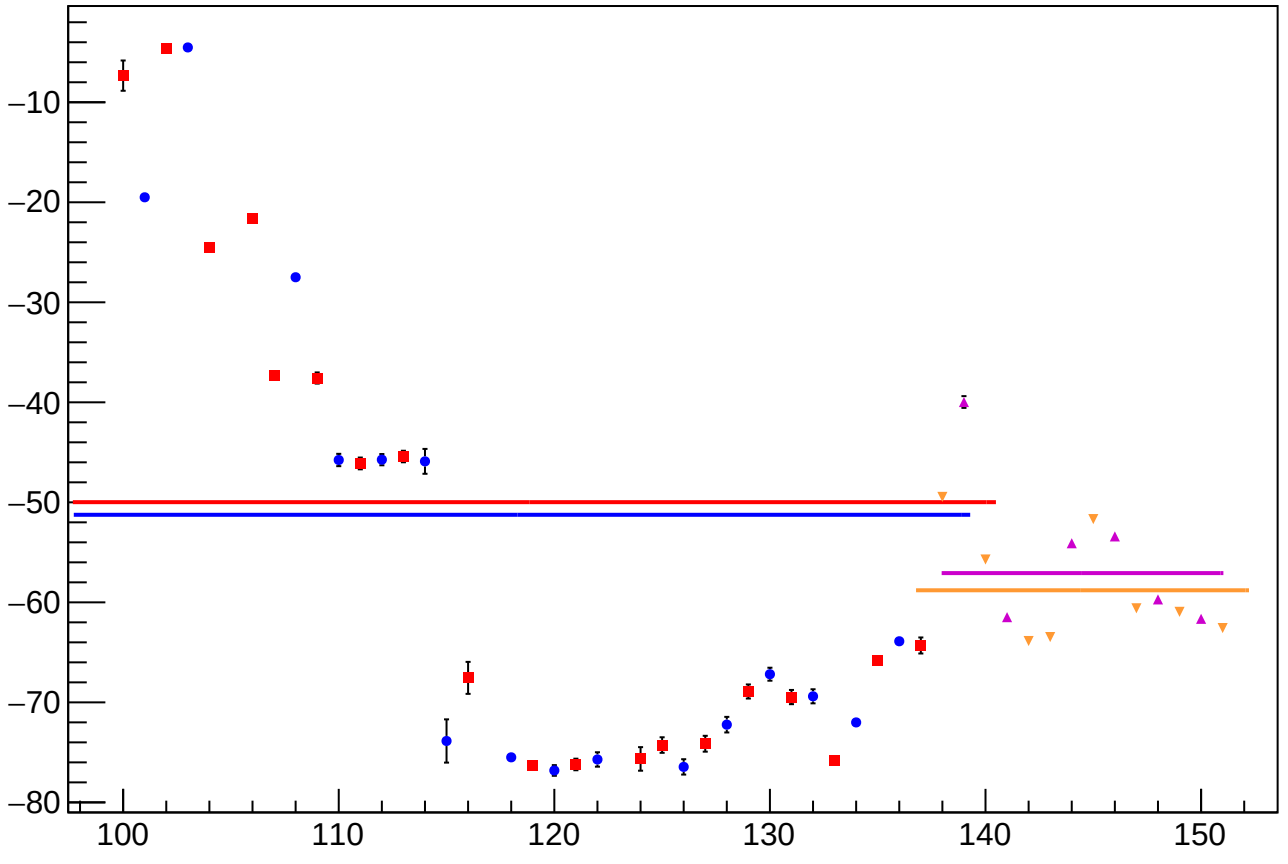
Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

Left In: 11.593+/-0.143 χ^2/NDF:737.7/5

+ sign 3.803+/-0.089 χ^2/NDF: 14365.2/23

All: 3.716+/-0.063 χ^2/NDF: 32331.3/48

- sign 3.626+/-0.090 χ^2/NDF: 17964.1/24



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -58.794+/-0.112 χ^2/NDF:1683.8/7

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

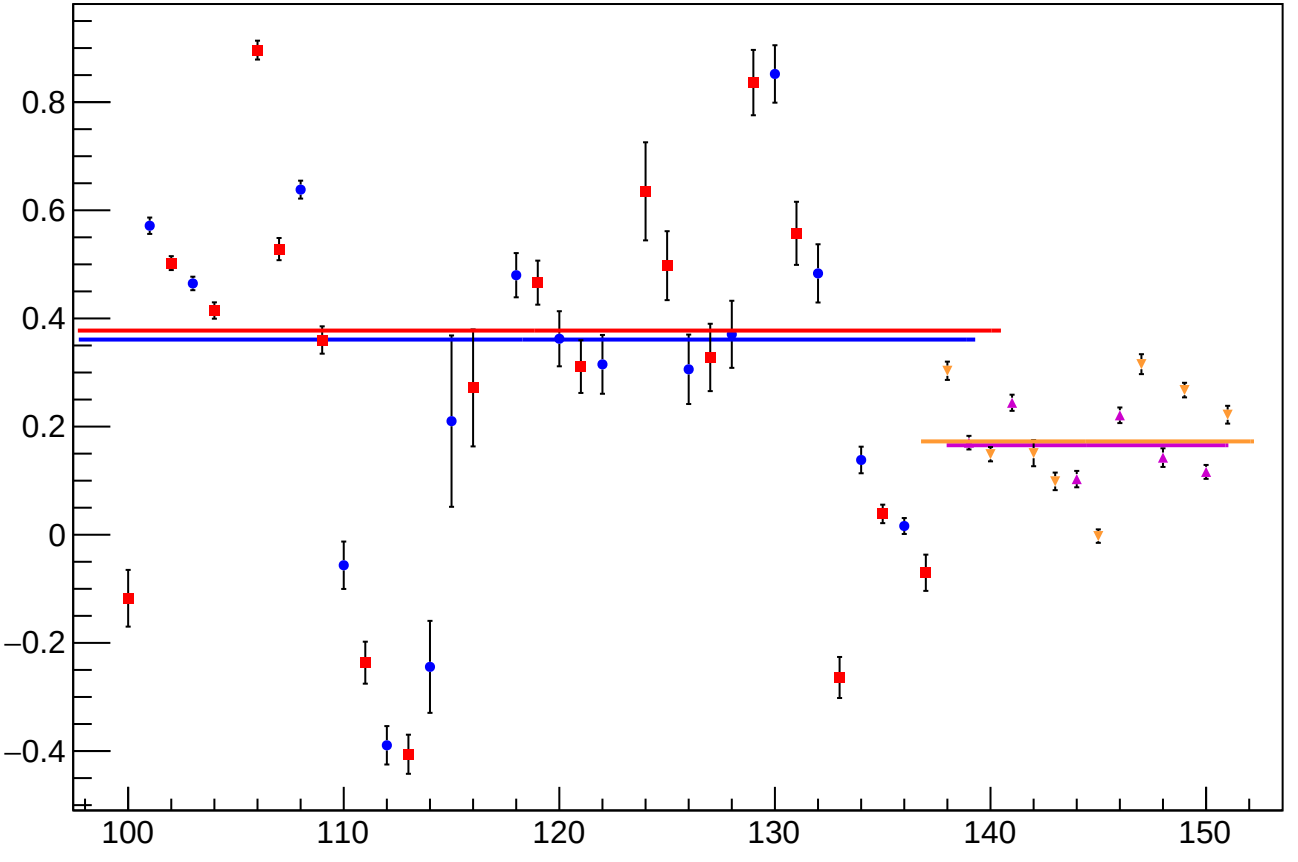
Left In: -57.076+/-0.124 χ^2/NDF:1728.1/5

\+ sign -55.725+/-0.087 χ^2/NDF: 37283.1/23

All: -54.760+/-0.062 χ^2/NDF: 74714.0/48

\- sign -53.721+/-0.090 χ^2/NDF: 37173.2/24

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: 0.173+/-0.005 χ^2/NDF:400.4/7

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

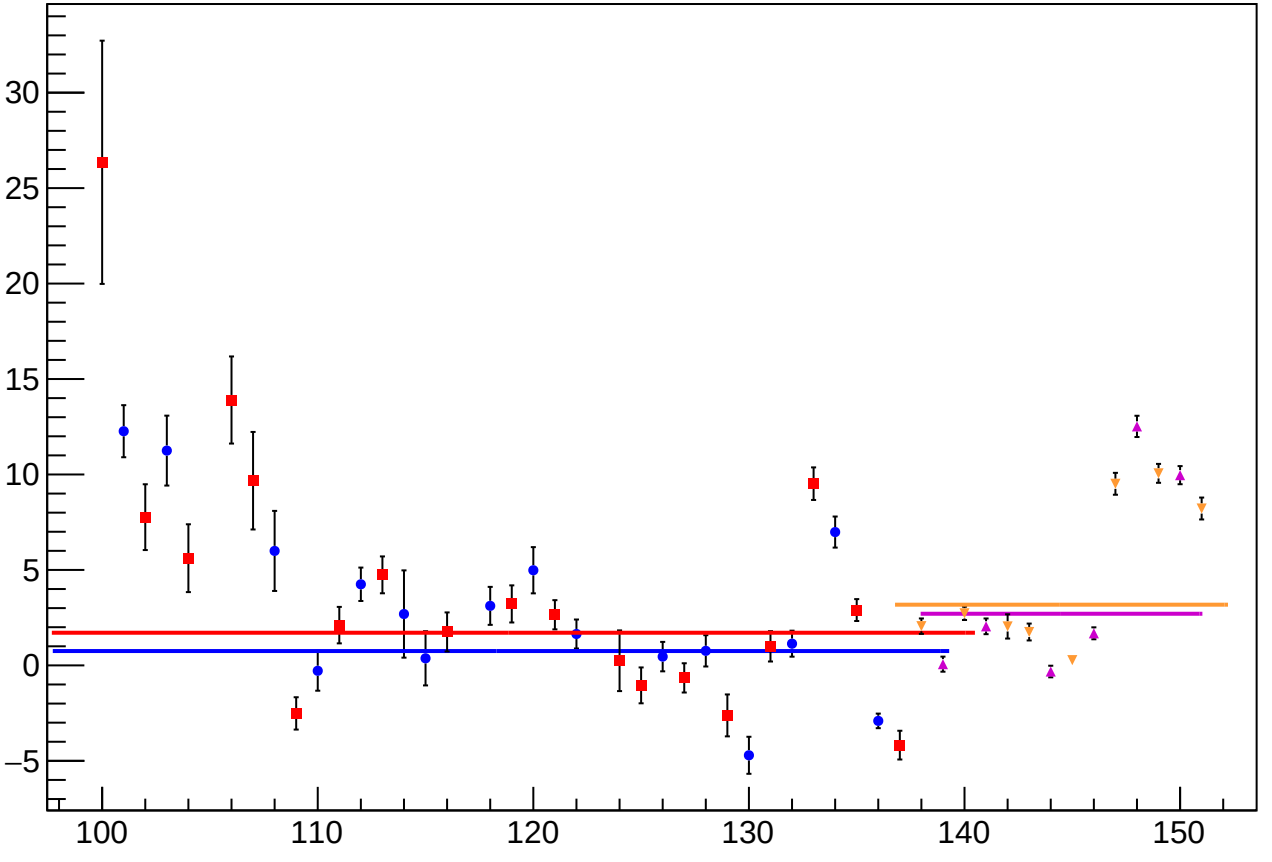
Left In: 0.166+/-0.006 χ^2/NDF:76.1/5

+ sign 0.253+/-0.004 χ^2/NDF: 2763.2/23

All: 0.260+/-0.003 χ^2/NDF: 6264.5/48

- sign 0.267+/-0.004 χ^2/NDF: 3495.8/24

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: 3.180+/-0.147 χ^2/NDF:536.6/7

Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

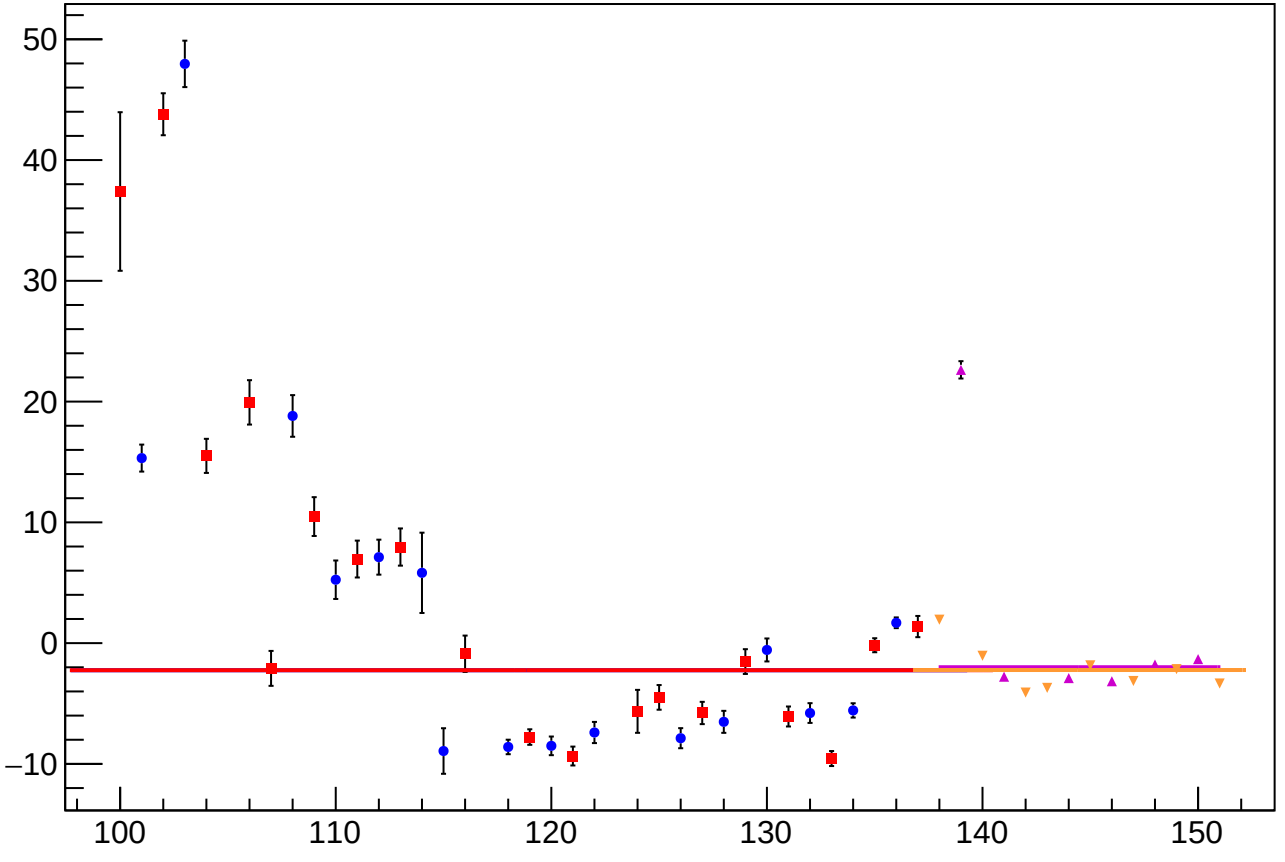
Left In: 2.705+/-0.156 χ^2/NDF:701.7/5

+ sign 2.395+/-0.121 χ^2/NDF: 955.1/23

All: 2.387+/-0.088 χ^2/NDF: 1964.0/48

- sign 2.377+/-0.128 χ^2/NDF: 1008.9/24

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: -2.226+/-0.105 χ^2/NDF:196.7/7

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

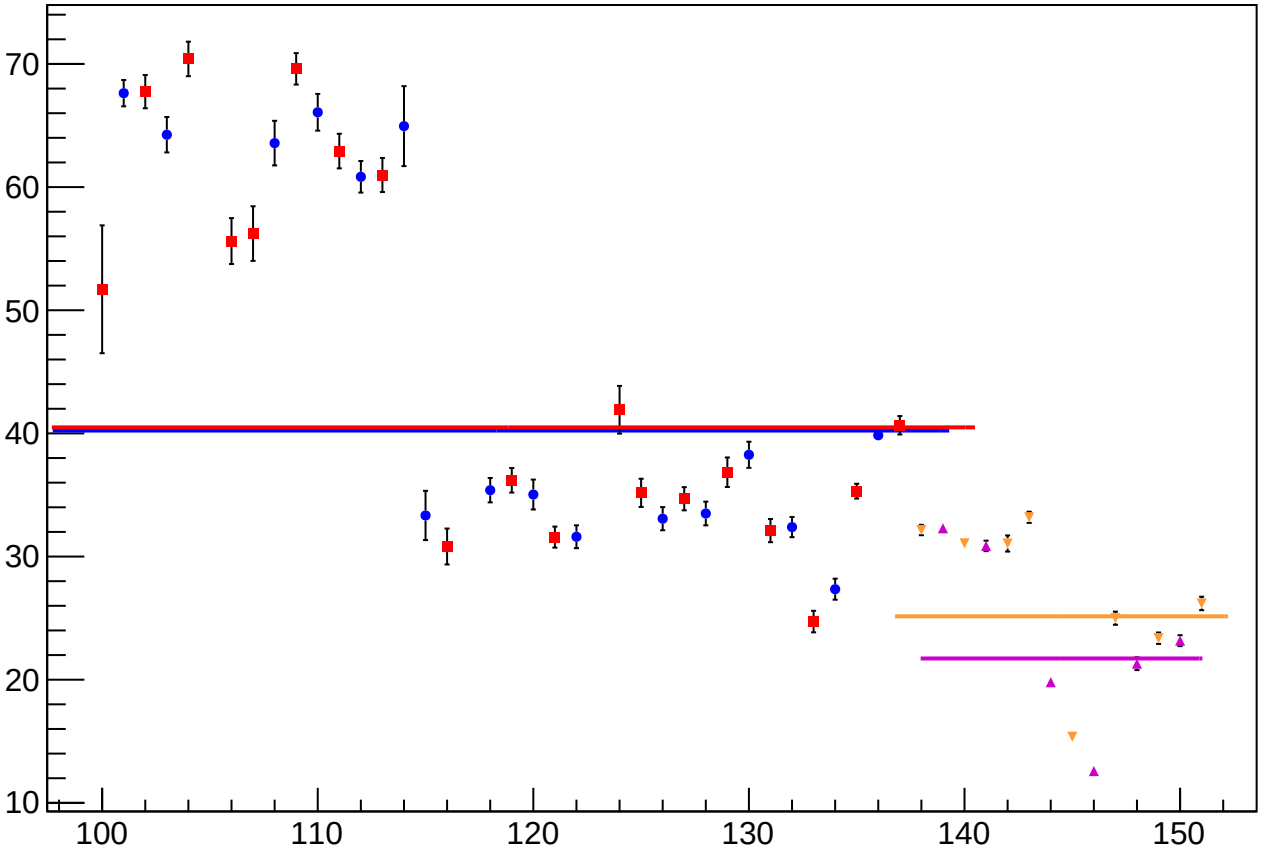
Left In: -1.995+/-0.109 χ^2/NDF:1240.3/5

+ sign -2.230+/-0.095 χ^2/NDF: 1769.2/23

All: -2.139+/-0.068 χ^2/NDF: 4568.0/48

- sign -2.041+/-0.099 χ^2/NDF: 2796.9/24

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: 25.146+/-0.148 χ^2/NDF:2254.3/7

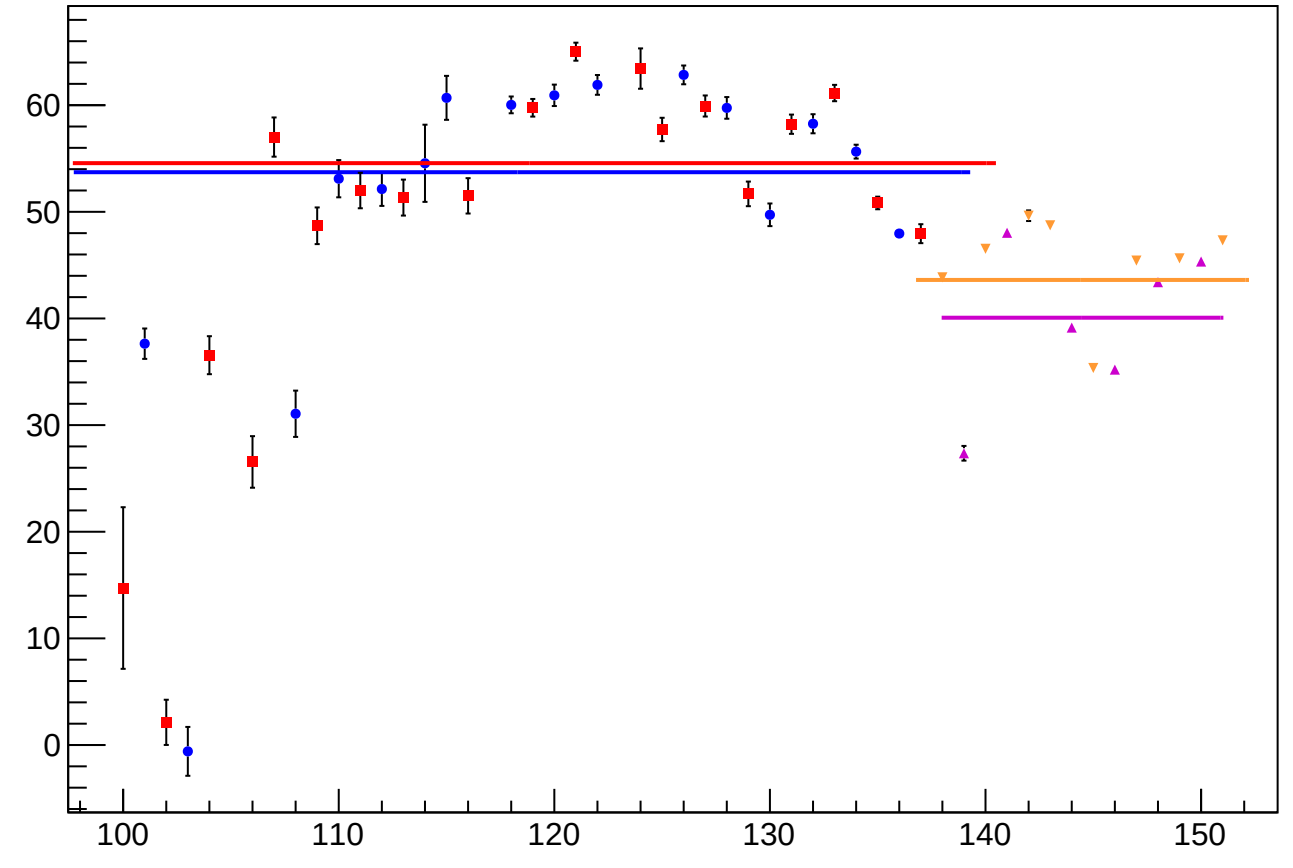
Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 21.724+/-0.155 χ^2/NDF:2099.1/5

+ sign 29.532+/-0.125 χ^2/NDF: 7559.1/23

All: 28.309+/-0.091 χ^2/NDF: 16614.3/48

- sign 26.940+/-0.132 χ^2/NDF: 8851.6/24



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 43.613+/-0.128 χ^2/NDF:1660.6/7

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

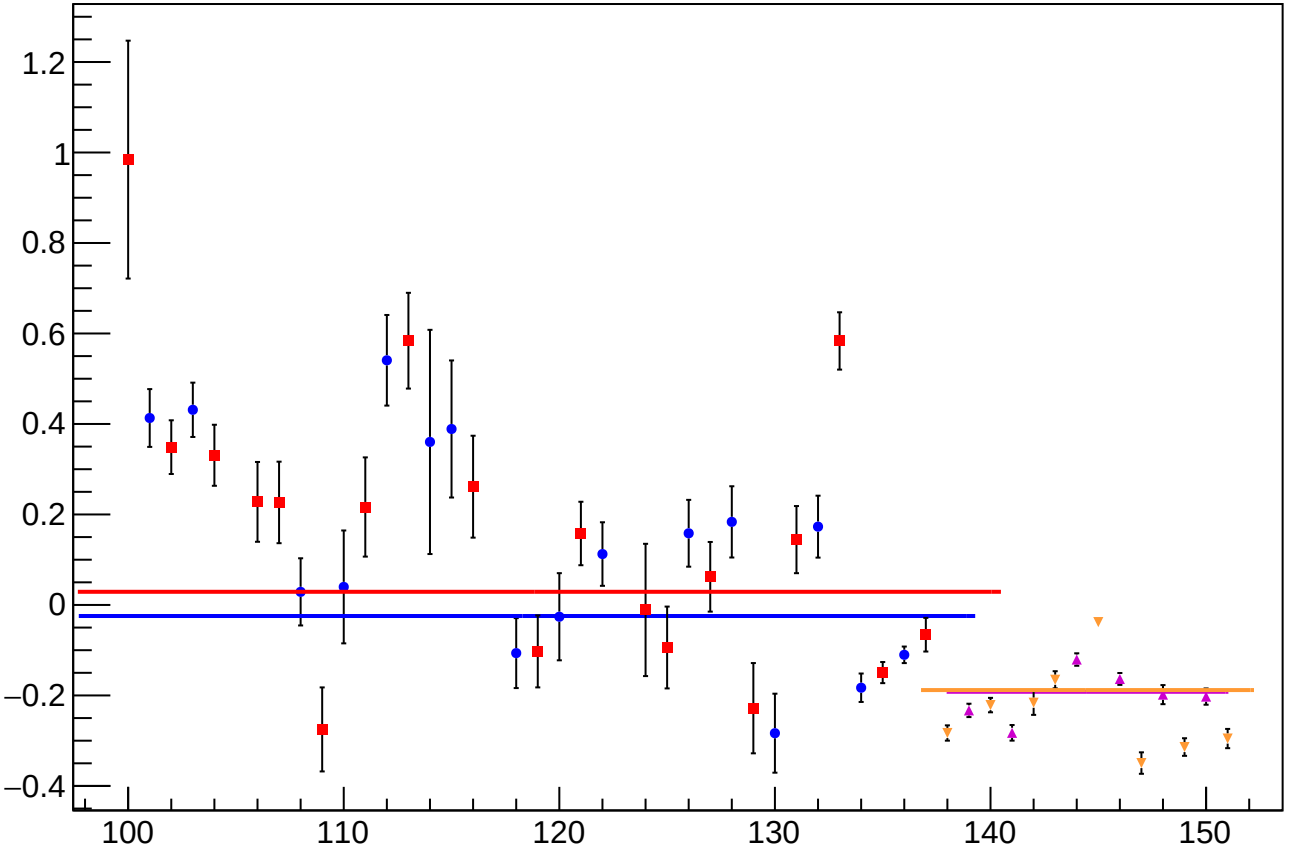
Left In: 40.070+/-0.133 χ^2/NDF:1555.6/5

+ sign 45.858+/-0.113 χ^2/NDF: 4412.8/23

All: 44.560+/-0.081 χ^2/NDF: 10113.1/48

- sign 43.140+/-0.118 χ^2/NDF: 5422.5/24

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: -0.188+/-0.006 χ^2/NDF:346.2/7

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

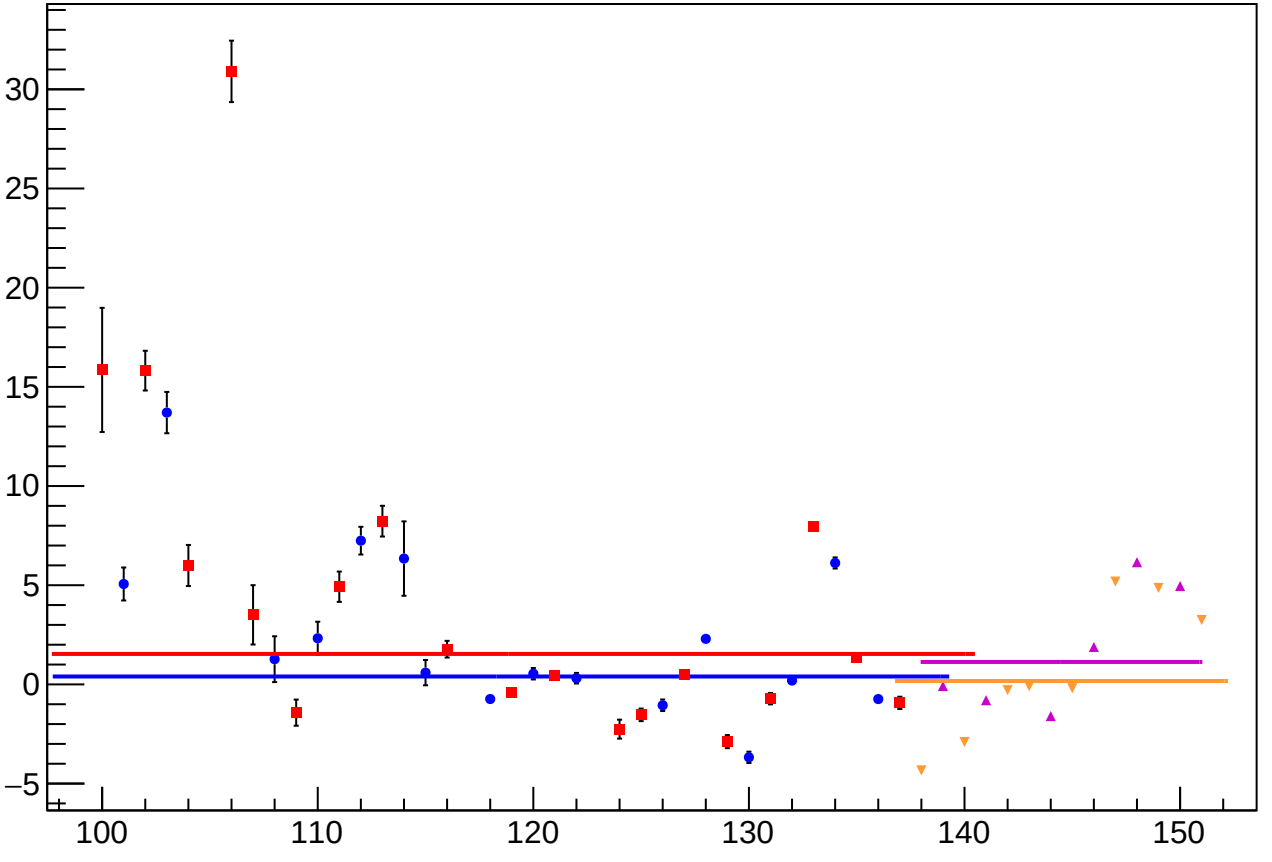
Left In: -0.192+/-0.006 χ^2/NDF:67.3/5

+ sign -0.158+/-0.006 χ^2/NDF: 709.1/23

All: -0.156+/-0.004 χ^2/NDF: 1253.0/48

- sign -0.155+/-0.006 χ^2/NDF: 543.8/24

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: 0.170+/-0.053 χ^2/NDF:3236.7/7

Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

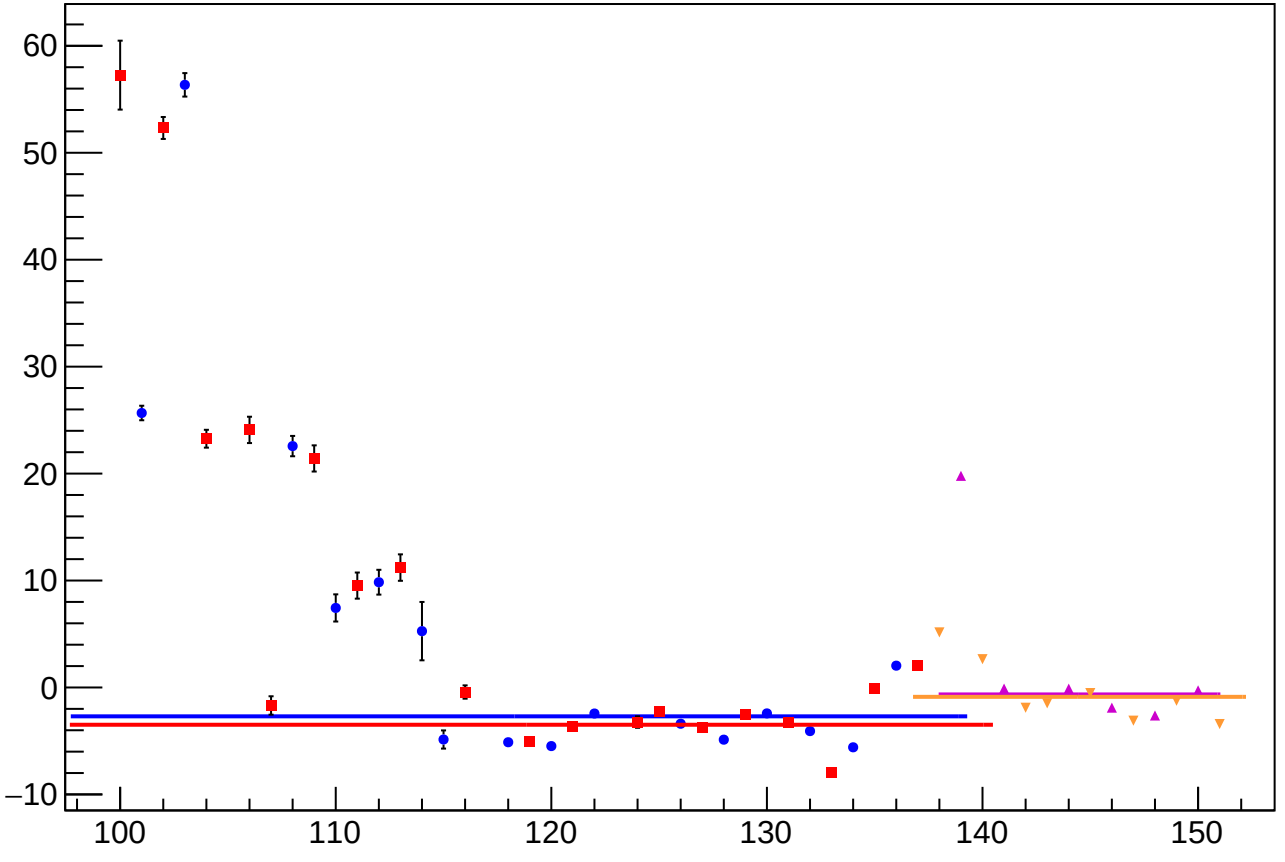
Left In: 1.132+/-0.055 χ^2/NDF:2258.9/5

+ sign 0.243+/-0.044 χ^2/NDF: 4340.0/23

All: 0.739+/-0.031 χ^2/NDF: 9295.5/48

- sign 1.265+/-0.045 χ^2/NDF: 4688.0/24

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: -0.875+/-0.038 χ^2/NDF:3672.2/7

Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

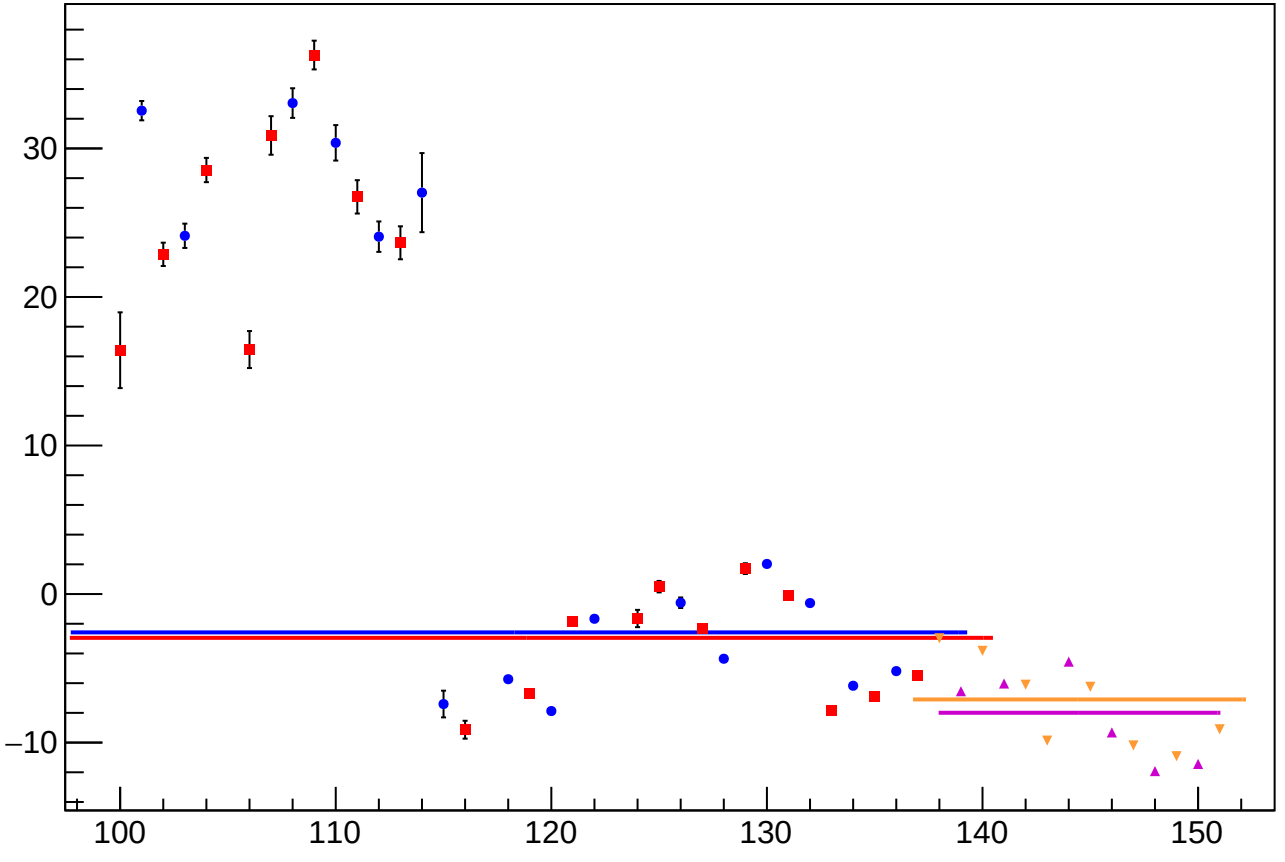
Left In: -0.650+/-0.038 χ^2/NDF:7304.6/5

+ sign -1.276+/-0.033 χ^2/NDF: 11294.7/23

All: -1.285+/-0.024 χ^2/NDF: 26996.9/48

- sign -1.294+/-0.034 χ^2/NDF: 15702.0/24

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: -7.097+/-0.053 χ^2/NDF:2728.9/7

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

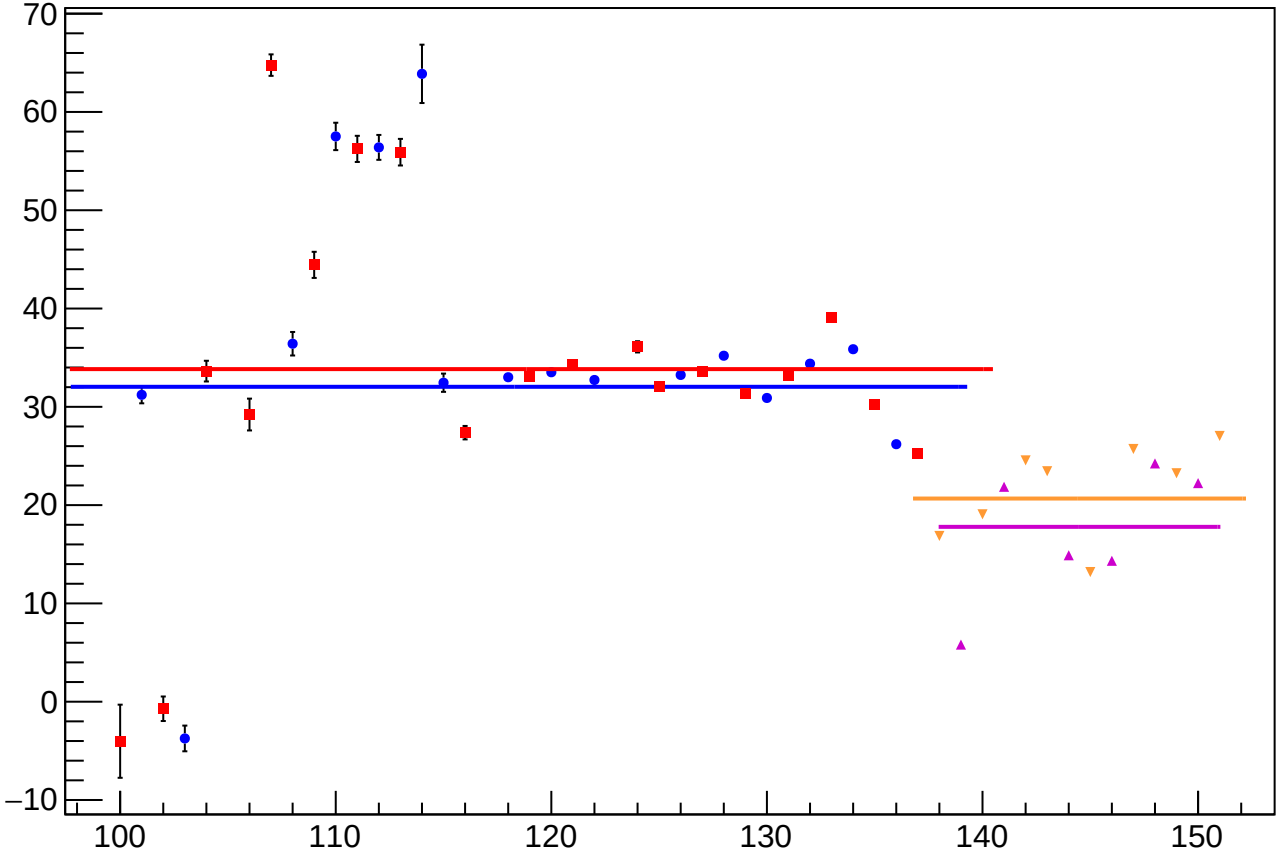
Left In: -7.993+/-0.054 χ^2/NDF:2432.5/5

+ sign -5.796+/-0.045 χ^2/NDF: 12990.8/23

All: -6.155+/-0.032 χ^2/NDF: 26258.4/48

- sign -6.532+/-0.046 χ^2/NDF: 13134.7/24

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: 20.669+/-0.045 χ^2/NDF:12297.2/7

Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

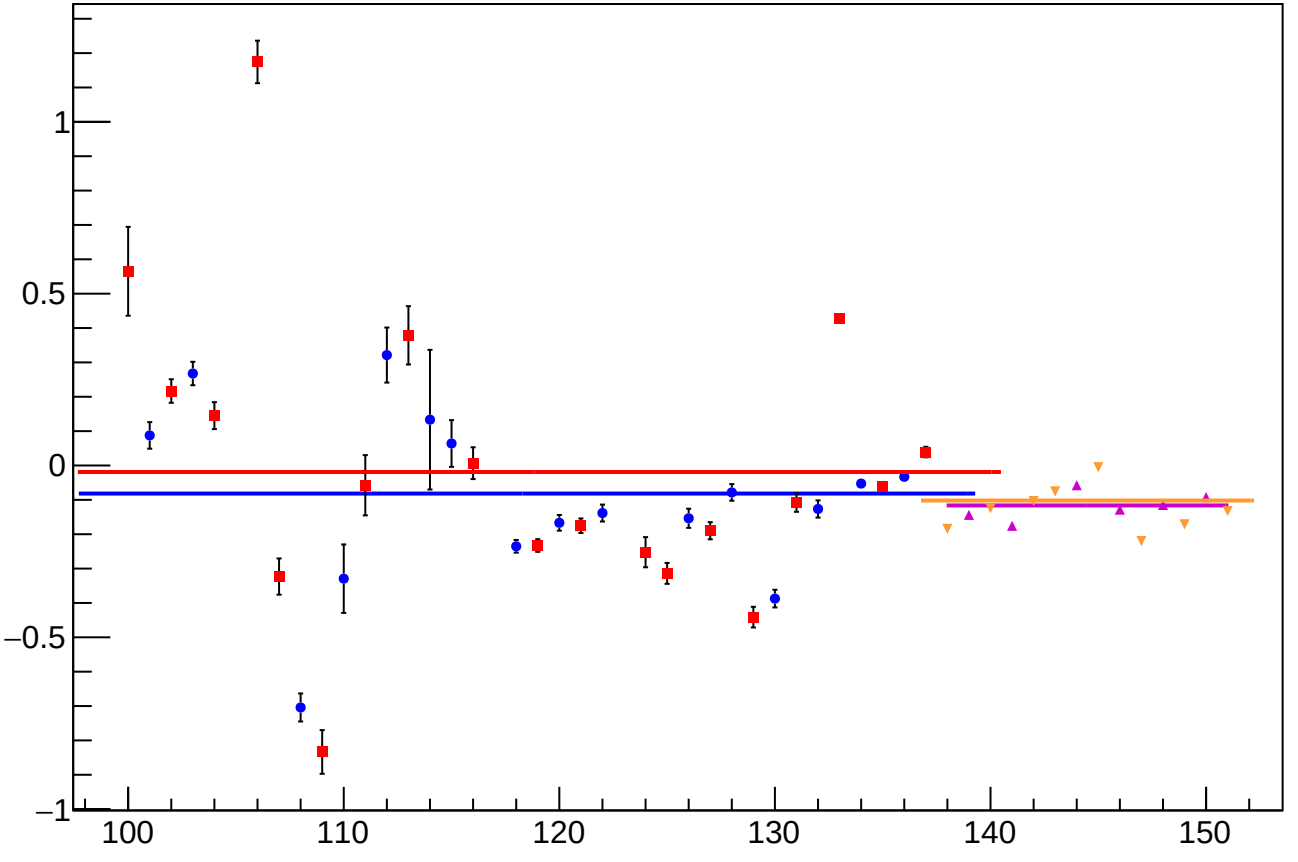
Left In: 17.789+/-0.047 χ^2/NDF:10020.1/5

+ sign 23.377+/-0.040 χ^2/NDF: 30453.8/23

All: 22.565+/-0.028 χ^2/NDF: 74751.2/48

- sign 21.722+/-0.040 χ^2/NDF: 43443.0/24

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.102+/-0.002 χ^2/NDF:1134.5/7

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

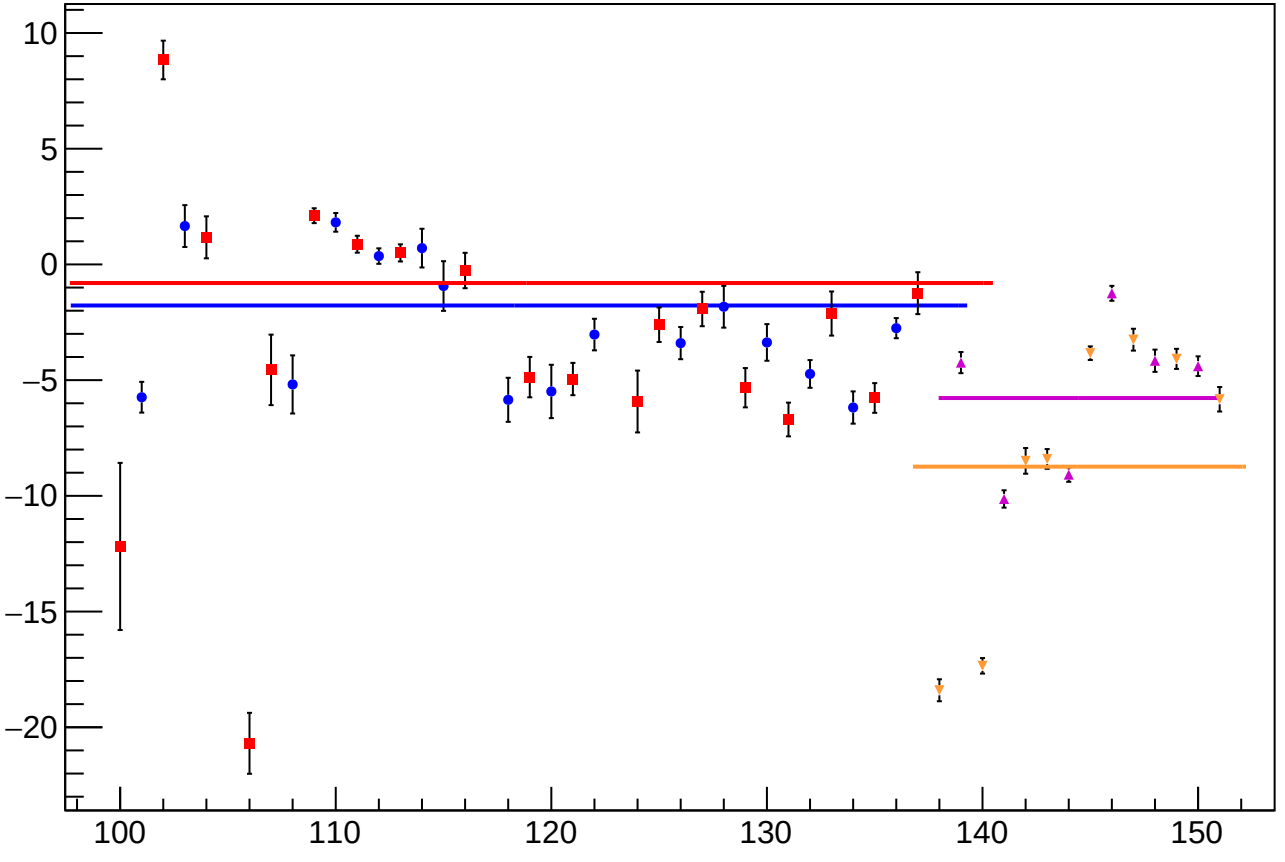
Left In: -0.116+/-0.002 χ^2/NDF:284.4/5

+ sign -0.098+/-0.002 χ^2/NDF: 1838.3/23

All: -0.100+/-0.001 χ^2/NDF: 4692.4/48

- sign -0.101+/-0.002 χ^2/NDF: 2853.3/24

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -1.775+/-0.157 χ^2/NDF: 297.7/15

Left Out: -8.739+/-0.146 χ^2/NDF:1633.6/7

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

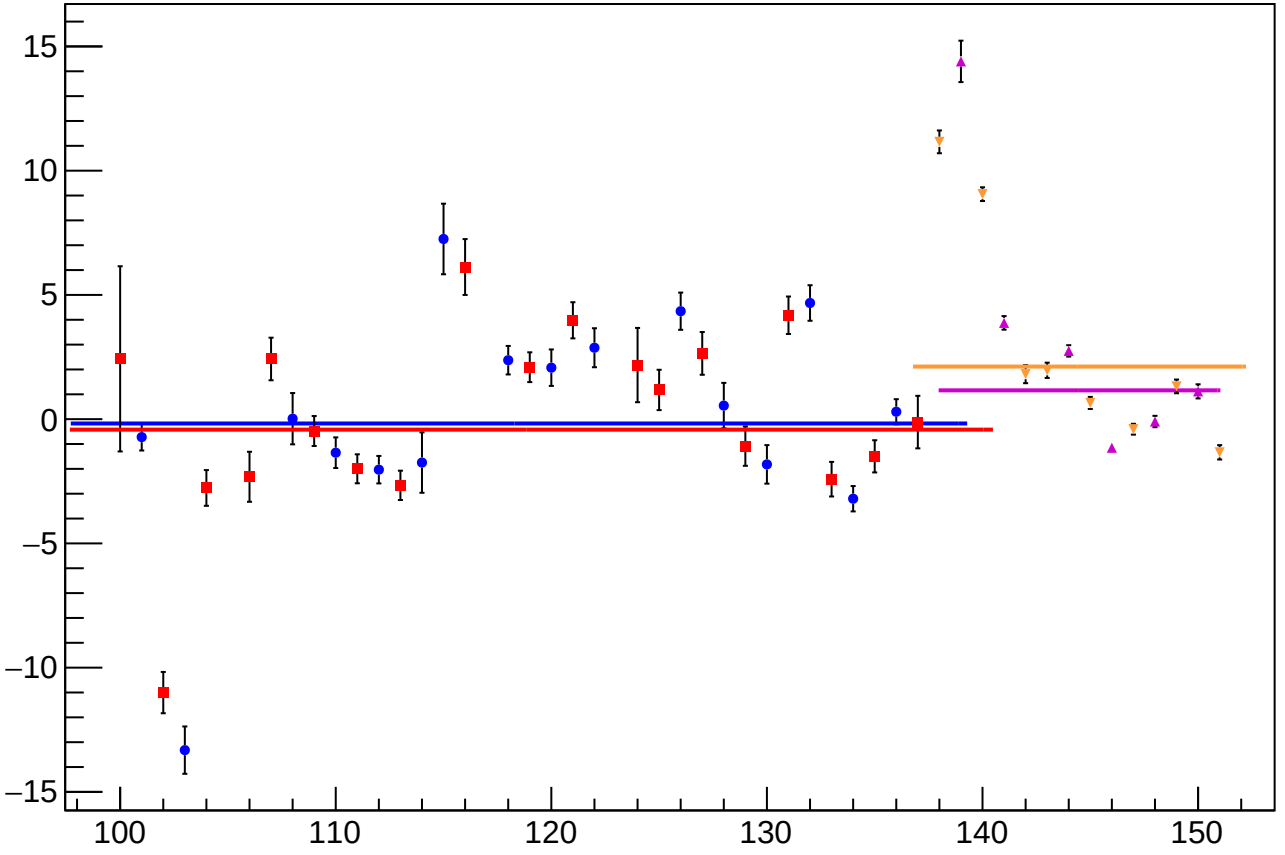
Left In: -5.773+/-0.155 χ^2/NDF:478.7/5

+ sign -5.518+/-0.107 χ^2/NDF: 2987.1/23

All: -4.352+/-0.076 χ^2/NDF: 4975.3/48

- sign -3.182+/-0.107 χ^2/NDF: 1750.0/24

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 2.117+/-0.100 χ^2/NDF:1339.1/7

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

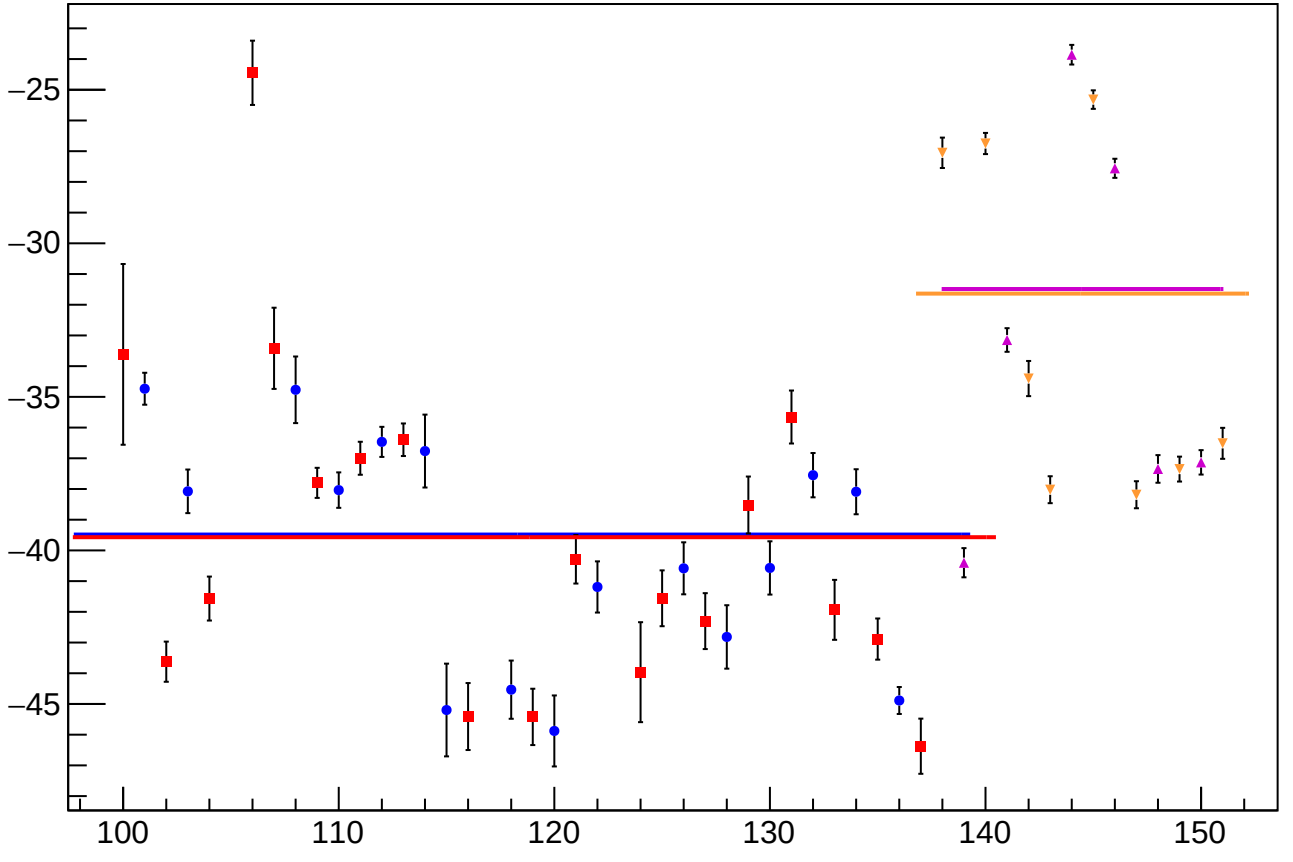
Left In: 1.160+/-0.104 χ^2/NDF:571.2/5

+ sign 1.539+/-0.087 χ^2/NDF: 1873.3/23

All: 1.159+/-0.062 χ^2/NDF: 2909.4/48

- sign 0.753+/-0.090 χ^2/NDF: 996.6/24

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -39.484+/-0.180 χ^2/NDF: 409.3/15

Left Out: -31.638+/-0.146 χ^2/NDF:1474.1/7

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

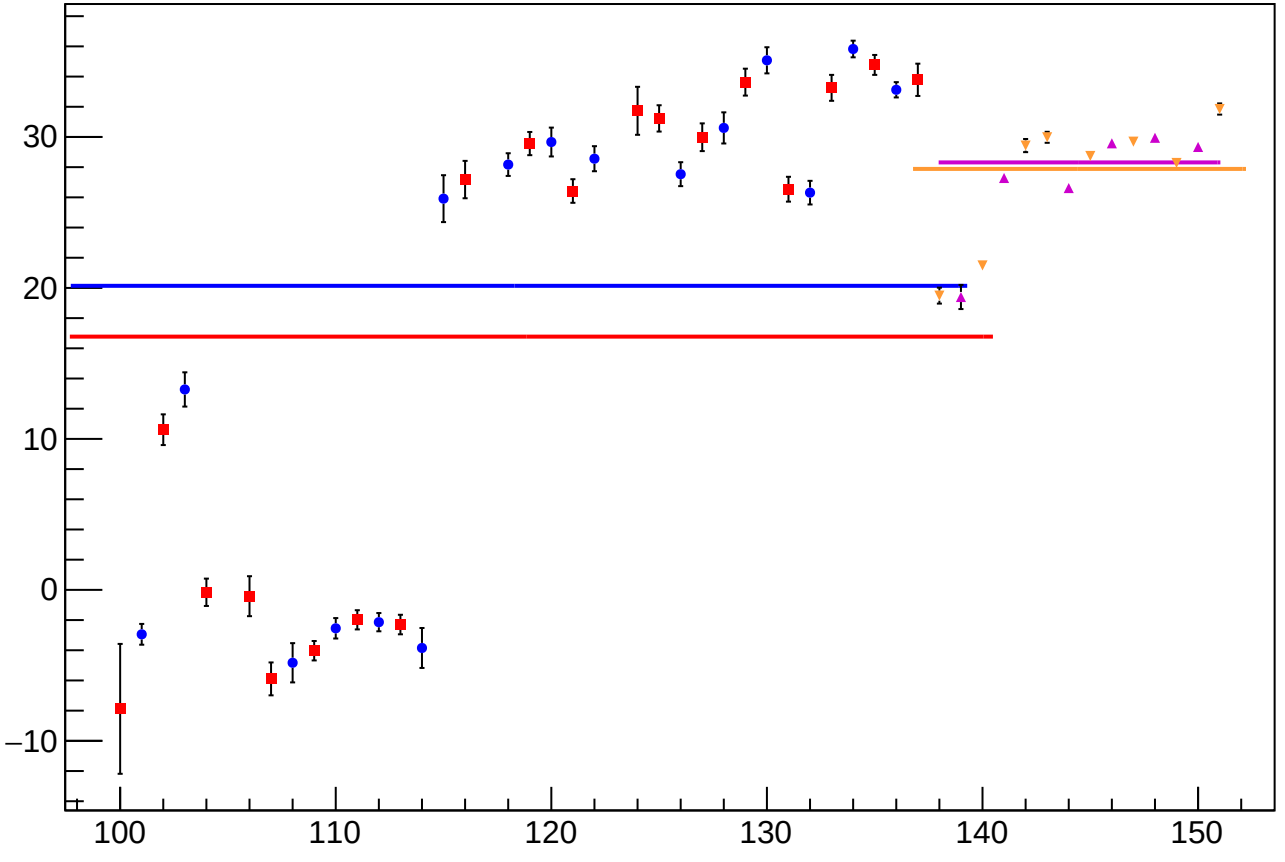
Left In: -31.488+/-0.153 χ^2/NDF:1470.3/5

+ sign -34.747+/-0.113 χ^2/NDF: 3027.6/23

All: -34.803+/-0.081 χ^2/NDF: 6213.2/48

- sign -34.863+/-0.117 χ^2/NDF: 3185.2/24

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 20.140+/-0.195 χ^2/NDF: 6684.6/15

Left Out: 27.884+/-0.123 χ^2/NDF:828.7/7

Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

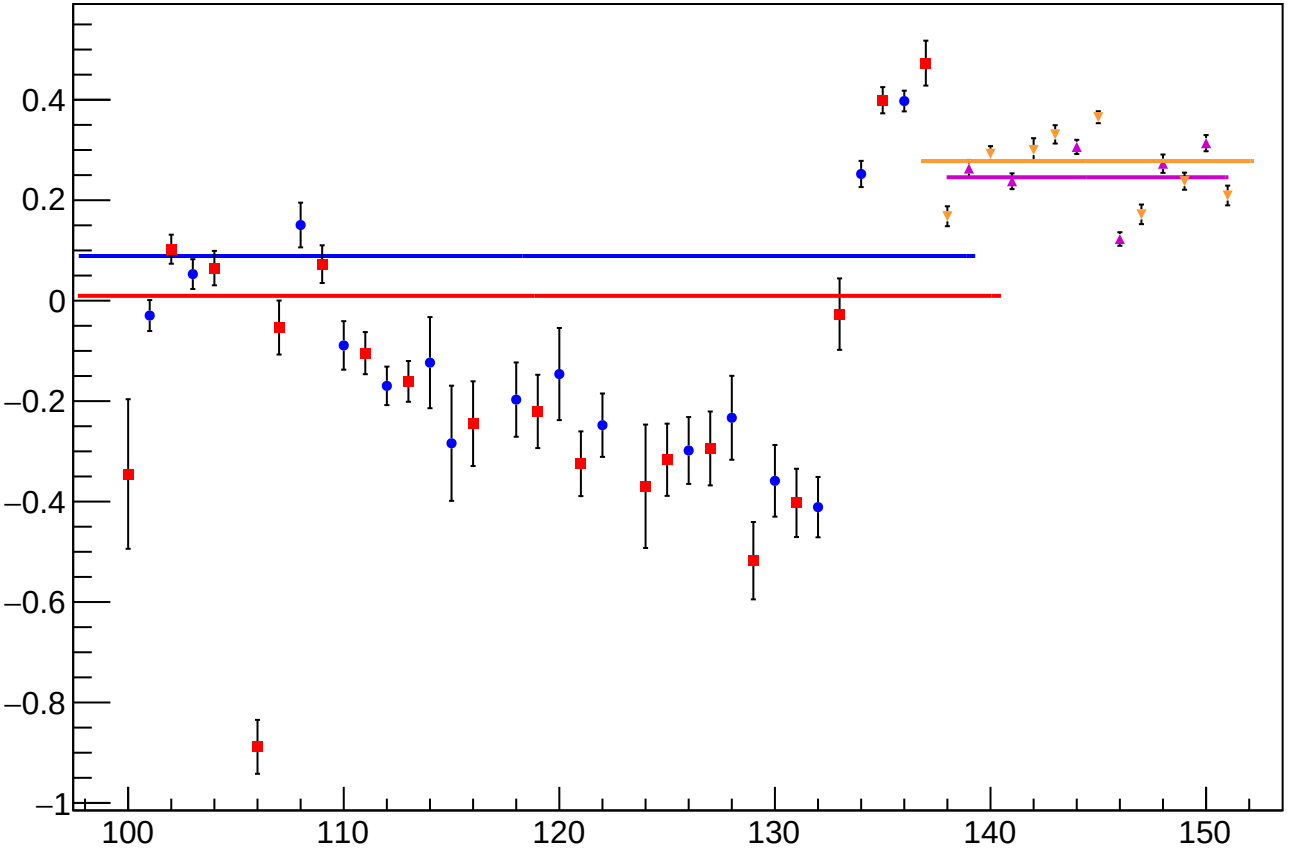
Left In: 28.315+/-0.128 χ^2/NDF:237.8/5

+ sign 25.672+/-0.104 χ^2/NDF: 8643.2/23

All: 25.327+/-0.075 χ^2/NDF: 18010.5/48

- sign 24.958+/-0.108 χ^2/NDF: 9344.6/24

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.278+/-0.006 χ^2/NDF:141.5/7

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

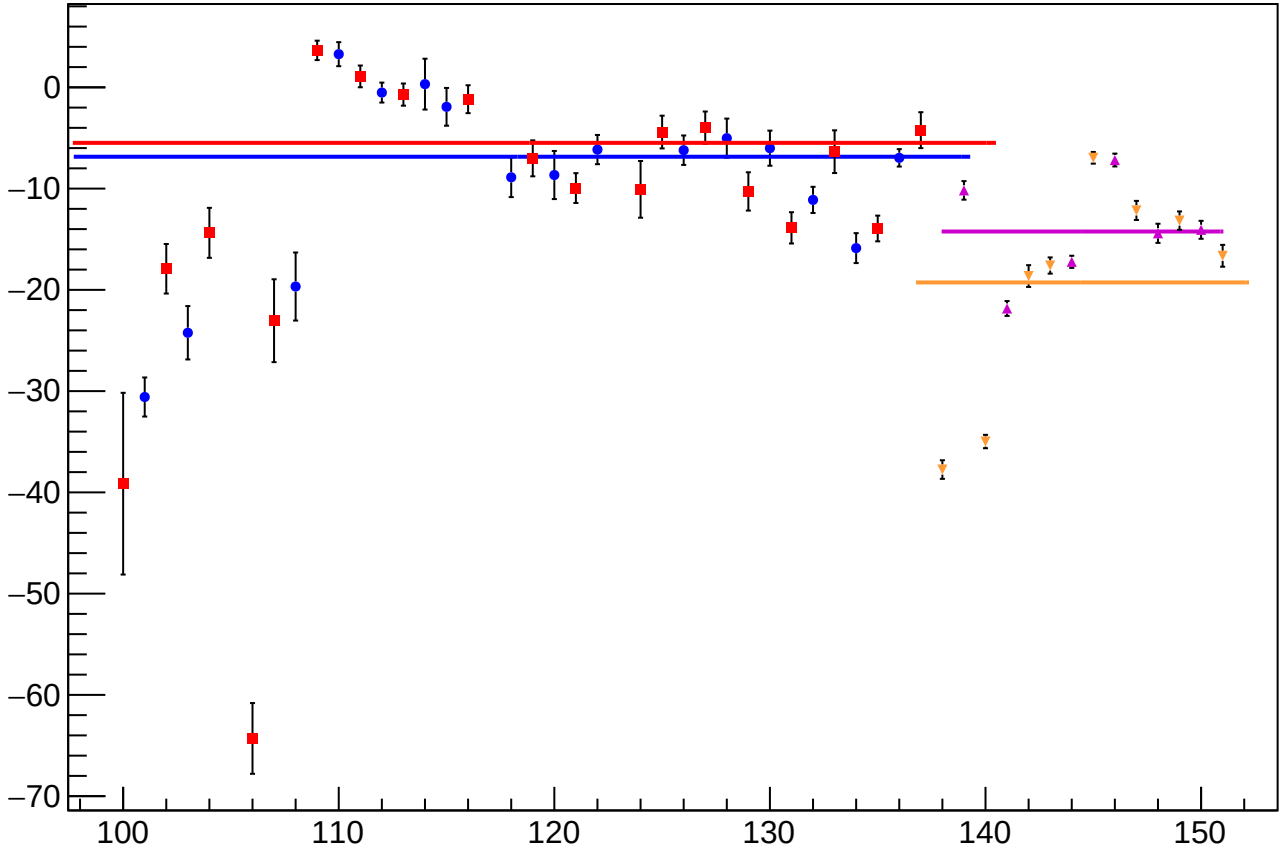
Left In: 0.246+/-0.006 χ^2/NDF:122.2/5

+ sign 0.230+/-0.005 χ^2/NDF: 951.9/23

All: 0.210+/-0.004 χ^2/NDF: 2286.1/48

- sign 0.187+/-0.006 χ^2/NDF: 1301.5/24

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -6.853+/-0.376 χ^2/NDF: 390.1/15

Left Out: -19.267+/-0.287 χ^2/NDF:1538.7/7

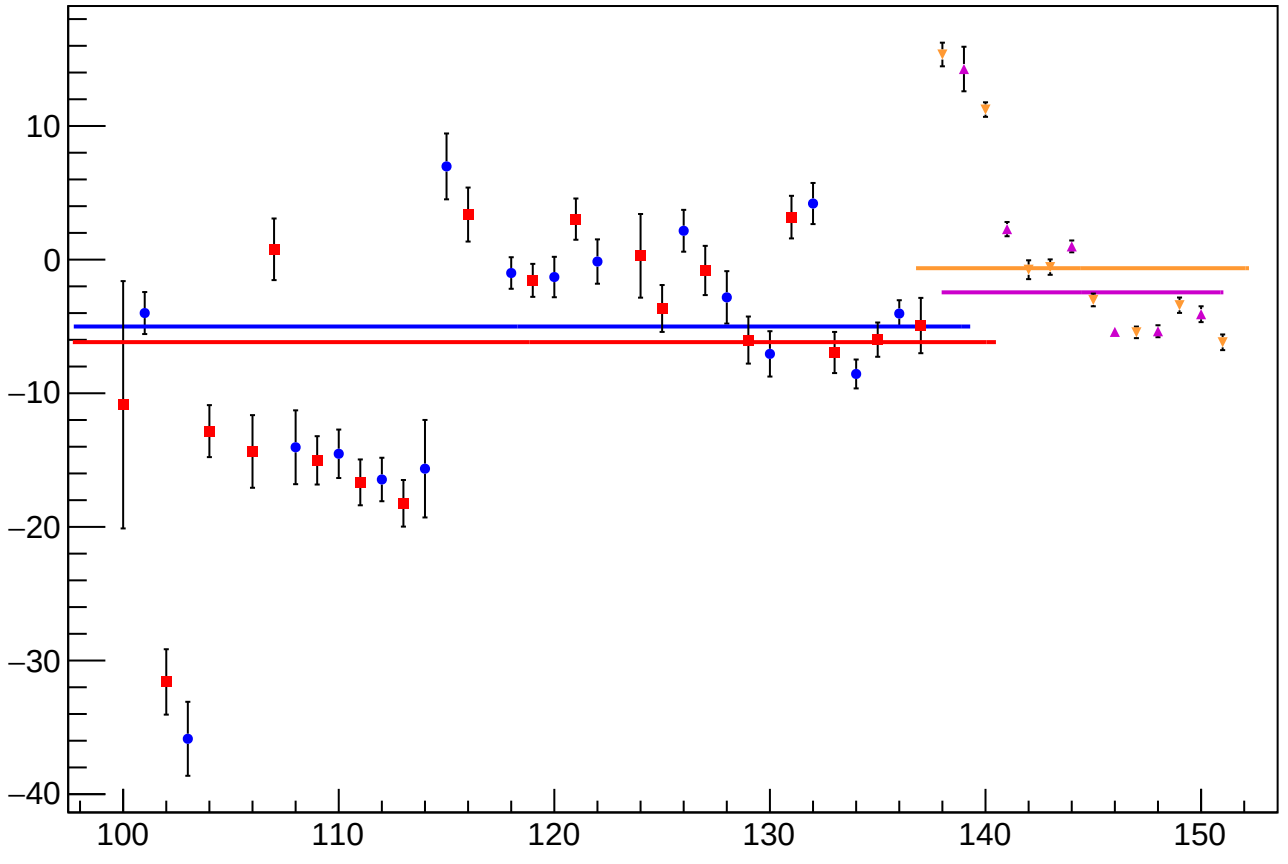
Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

Left In: -14.237+/-0.306 χ^2/NDF:275.3/5

+ sign -14.682+/-0.228 χ^2/NDF: 2617.7/23

All: -12.739+/-0.164 χ^2/NDF: 3982.8/48

- sign -10.671+/-0.236 χ^2/NDF: 1215.4/24



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: -0.641+/-0.199 χ^2/NDF:1062.3/7

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

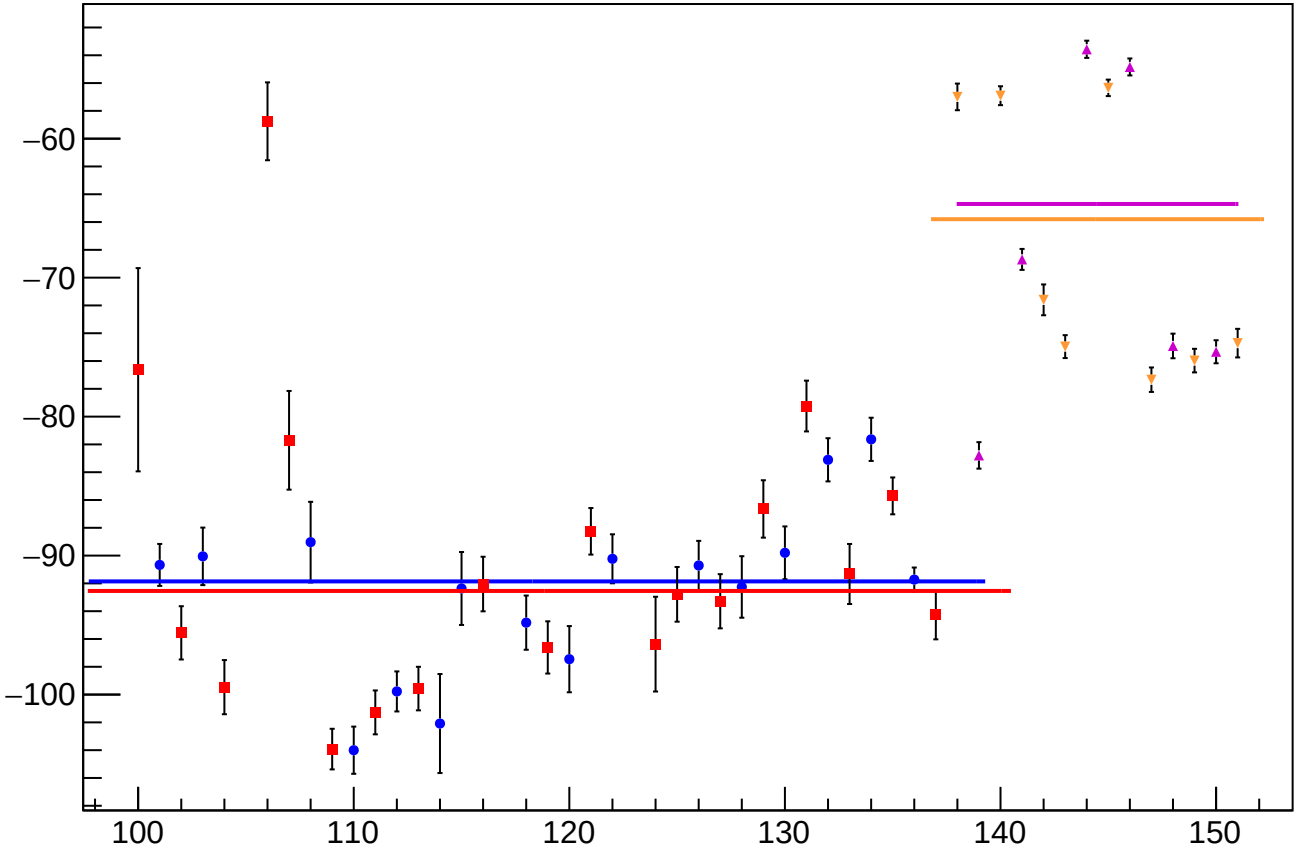
Left In: -2.449+/-0.205 χ^2/NDF:351.3/5

+ sign -1.521+/-0.178 χ^2/NDF: 1501.3/23

All: -2.319+/-0.128 χ^2/NDF: 2327.9/48

- sign -3.173+/-0.184 χ^2/NDF: 784.8/24

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -91.856+/-0.424 χ^2/NDF: 177.3/15

Left Out: -65.795+/-0.289 χ^2/NDF:1052.0/7

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

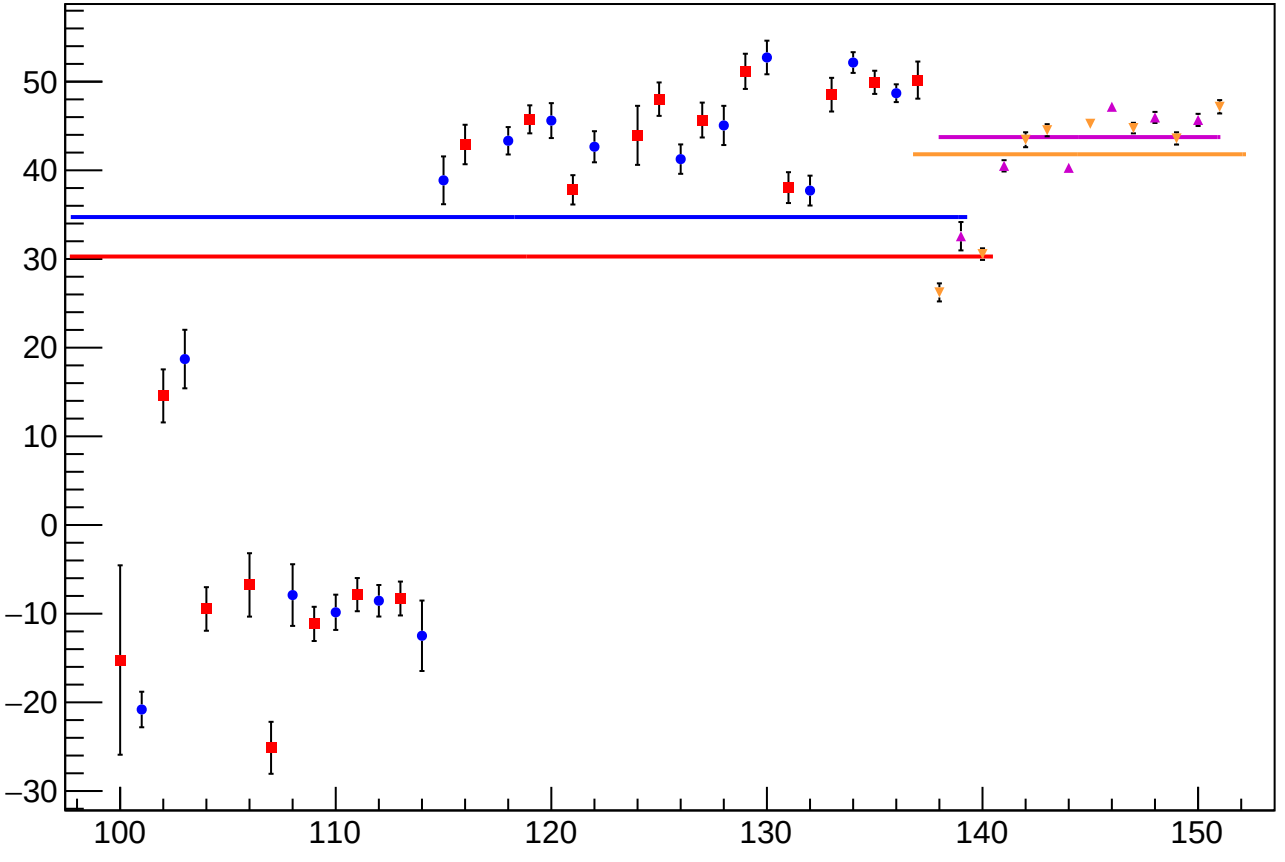
Left In: -64.699+/-0.303 χ^2/NDF:1269.7/5

+ sign -74.041+/-0.239 χ^2/NDF: 3811.3/23

All: -73.871+/-0.172 χ^2/NDF: 8191.7/48

- sign -73.684+/-0.250 χ^2/NDF: 4379.3/24

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 41.810+/-0.243 χ^2/NDF:669.9/7

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

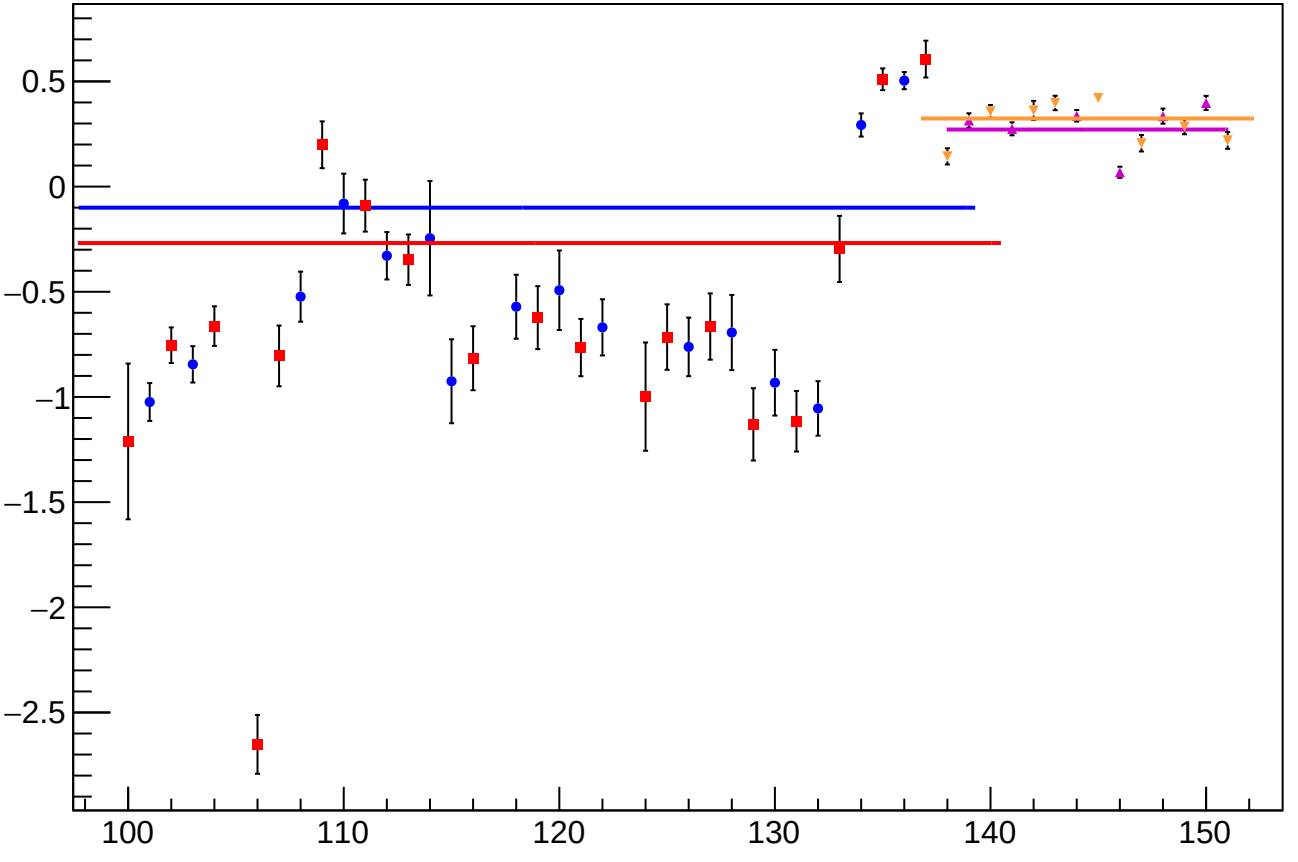
Left In: 43.748+/-0.252 χ^2/NDF:192.6/5

+ sign 40.161+/-0.213 χ^2/NDF: 3676.0/23

All: 40.428+/-0.154 χ^2/NDF: 7427.2/48

- sign 40.715+/-0.222 χ^2/NDF: 3748.0/24

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.324+/-0.012 χ^2/NDF:62.6/7

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

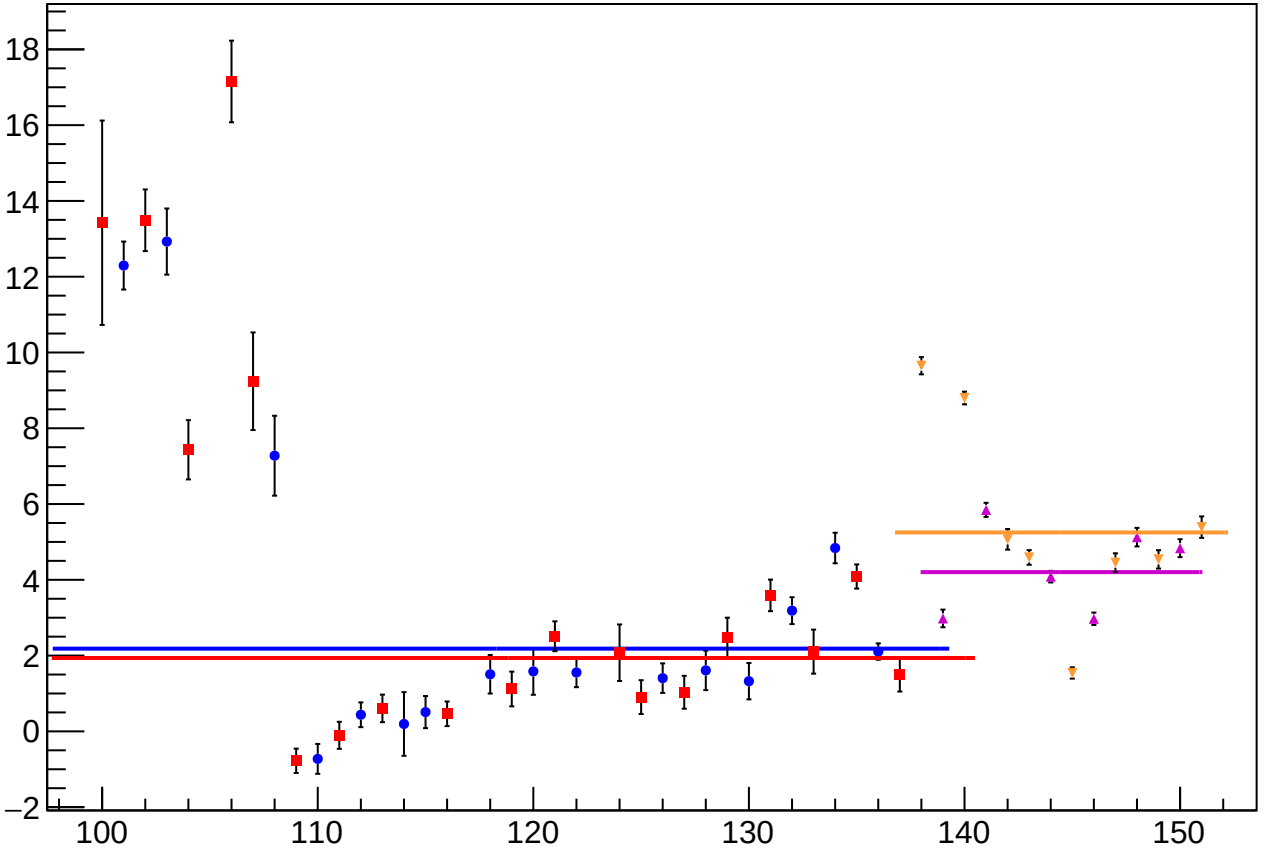
Left In: 0.271+/-0.013 χ^2/NDF:83.3/5

+ sign 0.239+/-0.011 χ^2/NDF: 943.5/23

All: 0.207+/-0.008 χ^2/NDF: 2209.9/48

- sign 0.171+/-0.011 χ^2/NDF: 1247.2/24

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: 5.250+/-0.073 χ^2/NDF:1475.2/7

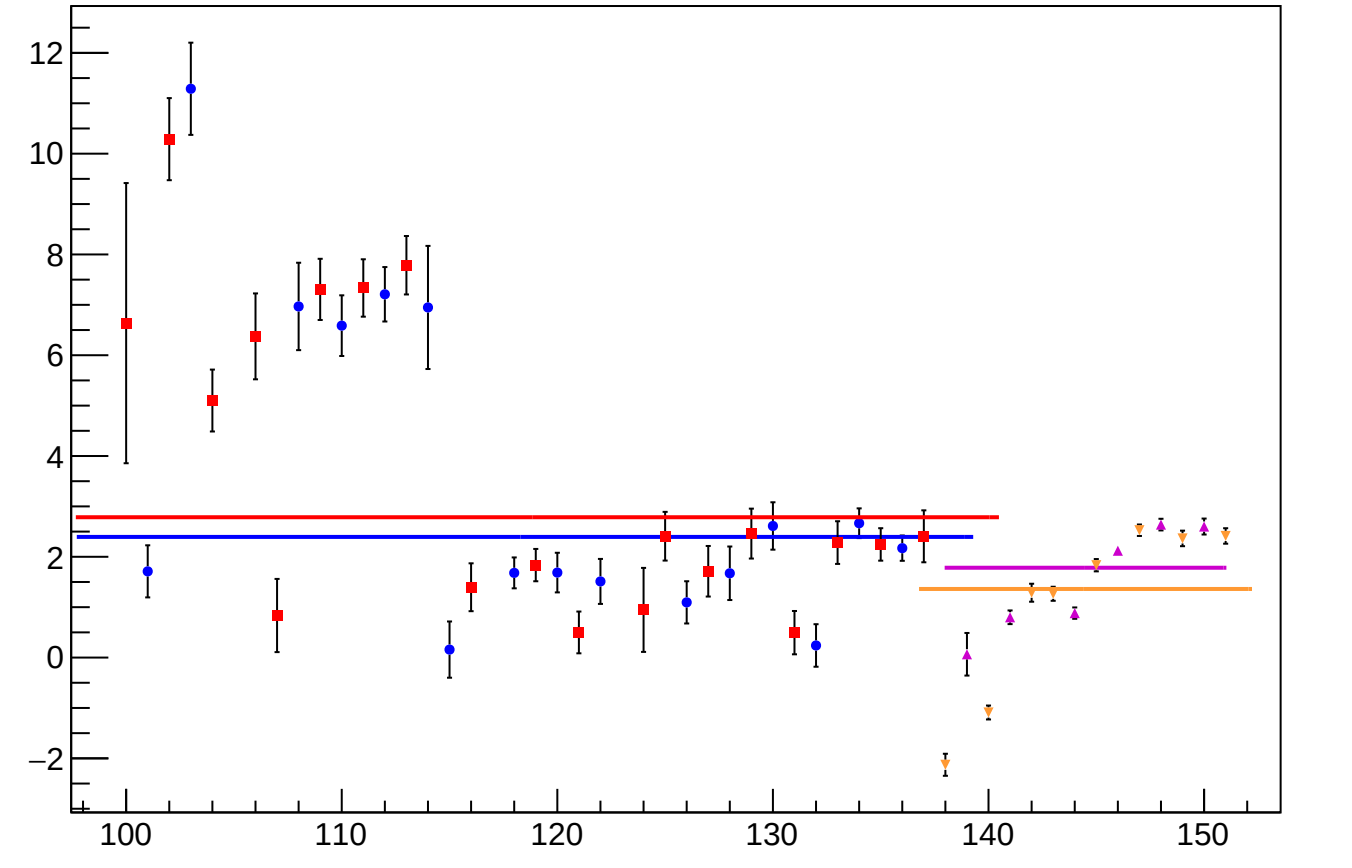
Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

Left In: 4.203+/-0.079 χ^2/NDF:183.7/5

\+ sign 4.244+/-0.060 χ^2/NDF: 2647.8/23

All: 3.839+/-0.044 χ^2/NDF: 3940.9/48

\- sign 3.394+/-0.063 χ^2/NDF: 1197.7/24



Right In: 2.394+/-0.108 χ^2/NDF: 333.9/15

Left Out: 1.362+/-0.051 χ^2/NDF:779.2/7

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

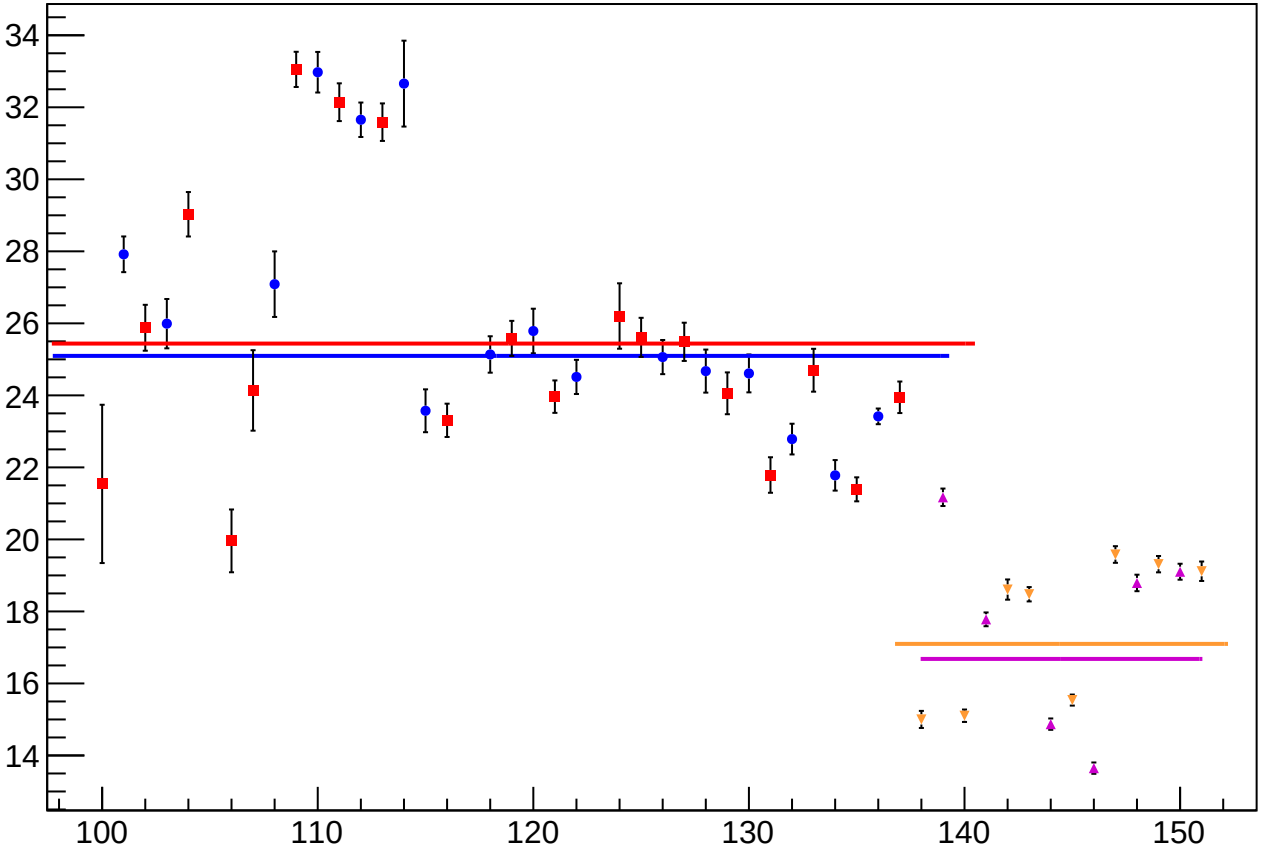
Left In: 1.783+/-0.052 χ^2/NDF:227.0/5

+ sign 1.549+/-0.046 χ^2/NDF: 1187.5/23

All: 1.744+/-0.033 χ^2/NDF: 1924.6/48

- sign 1.953+/-0.048 χ^2/NDF: 700.1/24

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: 17.098+/-0.074 χ^2/NDF:658.9/7

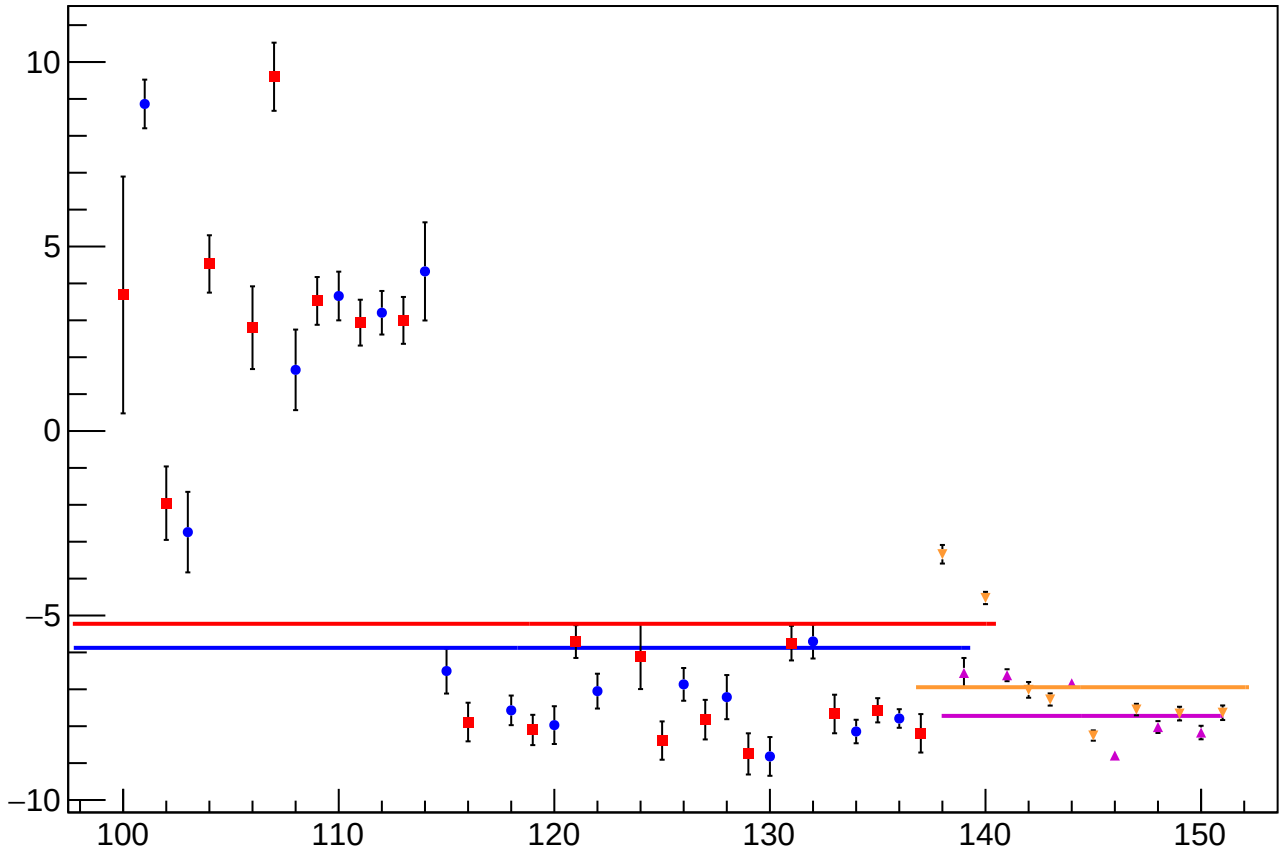
Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

Left In: 16.681+/-0.078 χ^2/NDF:1085.2/5

+ sign 19.358+/-0.062 χ^2/NDF: 4603.7/23

All: 19.265+/-0.045 χ^2/NDF: 10144.7/48

- sign 19.161+/-0.066 χ^2/NDF: 5536.3/24



Right In: -5.876+/-0.121 χ^2/NDF: 1251.4/15

Left Out: -6.943+/-0.062 χ^2/NDF:549.5/7

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

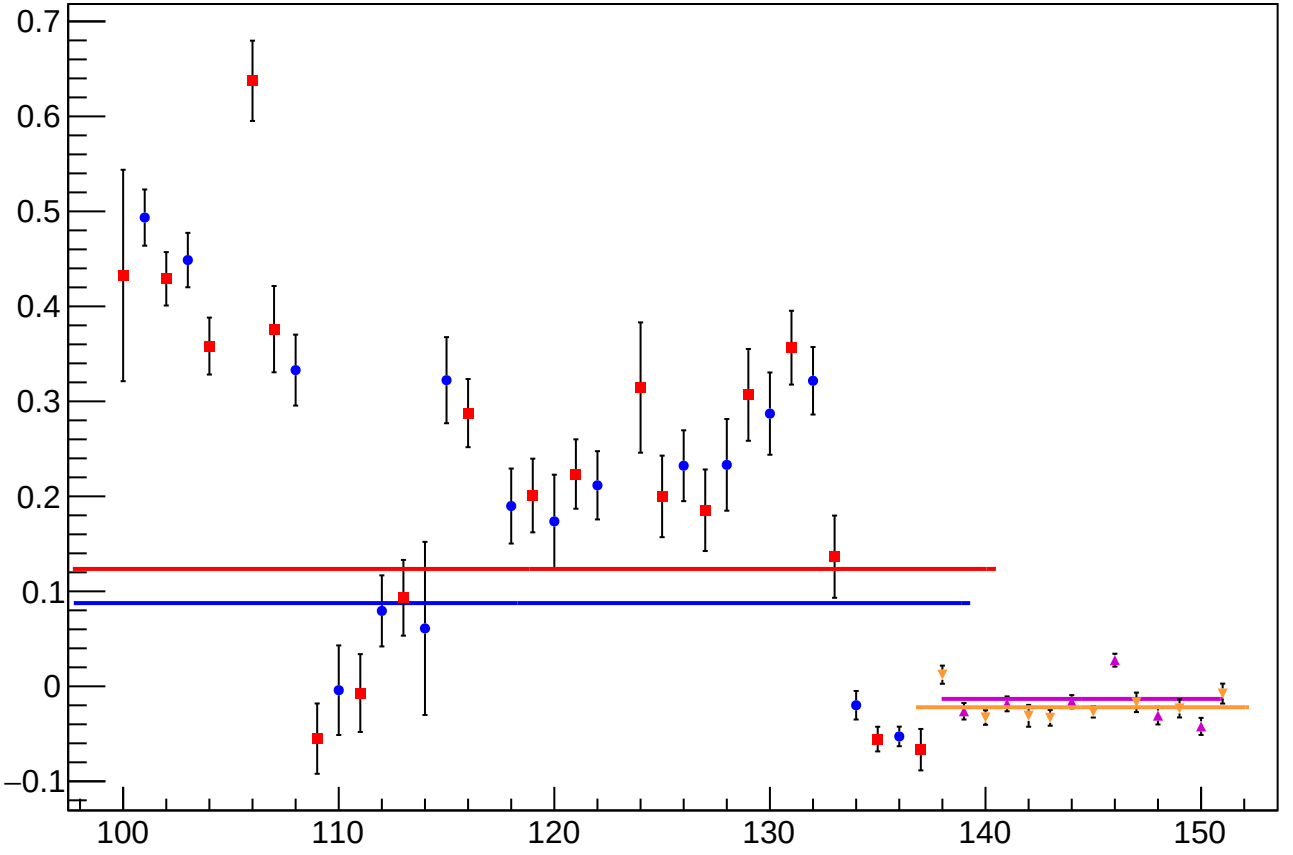
Left In: -7.720+/-0.065 χ^2/NDF:189.2/5

+ sign -6.718+/-0.055 χ^2/NDF: 1862.6/23

All: -6.960+/-0.040 χ^2/NDF: 3680.9/48

- sign -7.222+/-0.058 χ^2/NDF: 1778.7/24

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.088+/-0.007 χ^2/NDF: 768.0/15

Left Out: -0.022+/-0.003 χ^2/NDF:20.0/7

Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

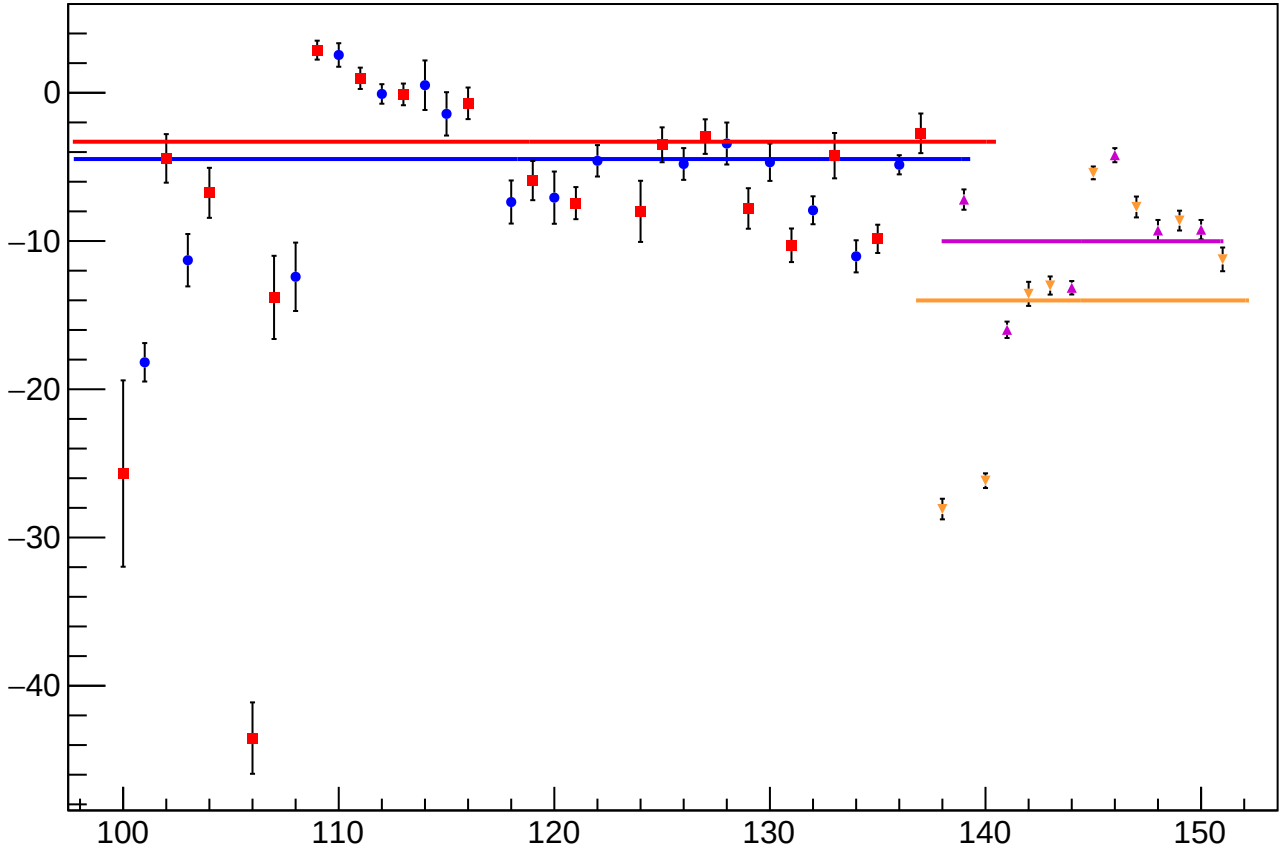
Left In: -0.013+/-0.003 χ^2/NDF:52.7/5

+ sign -0.003+/-0.003 χ^2/NDF: 1015.6/23

All: 0.003+/-0.002 χ^2/NDF: 2130.5/48

- sign 0.009+/-0.003 χ^2/NDF: 1106.6/24

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -14.008+/-0.216 χ^2/NDF:1565.9/7

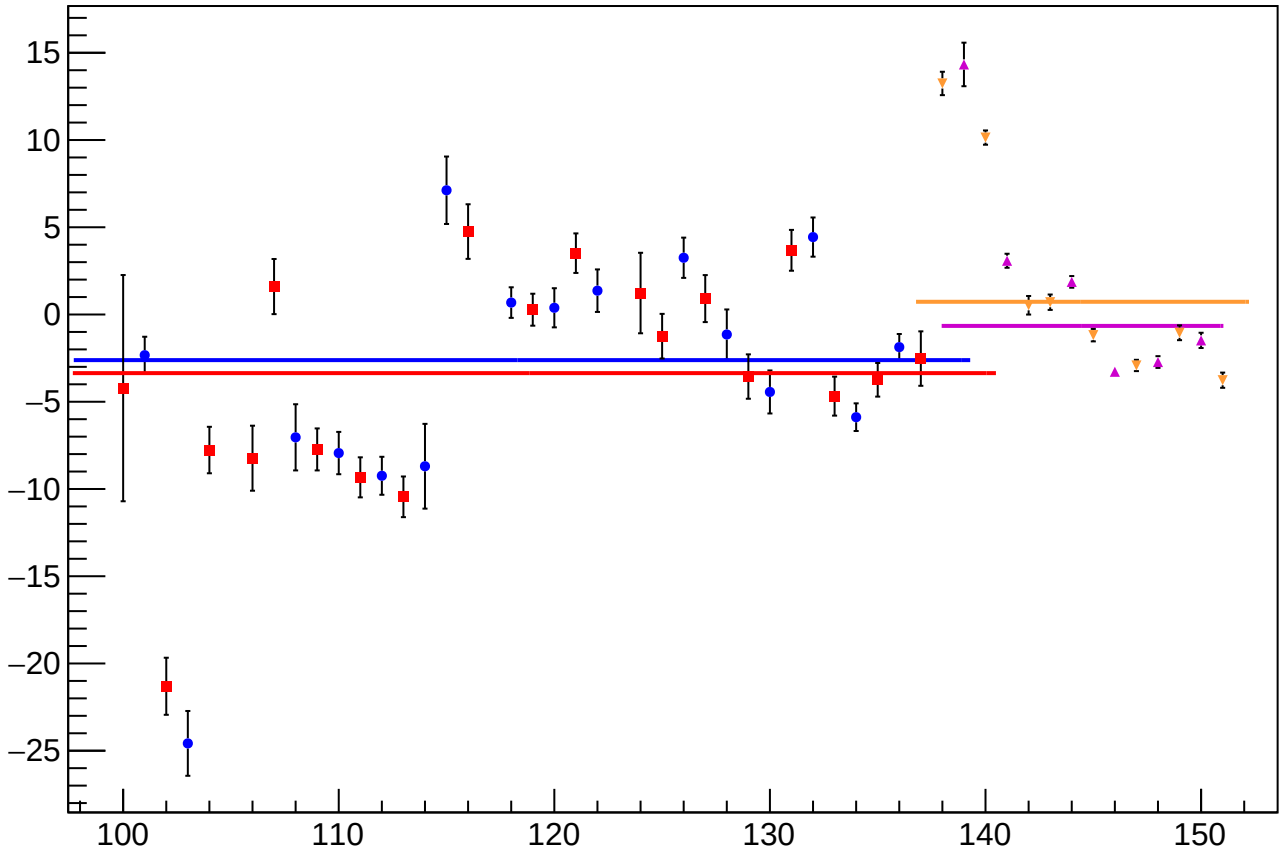
Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

Left In: -10.015+/-0.229 χ^2/NDF:332.7/5

+ sign -10.265+/-0.168 χ^2/NDF: 2664.6/23

All: -8.714+/-0.120 χ^2/NDF: 4129.6/48

- sign -7.087+/-0.172 χ^2/NDF: 1290.8/24



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 0.729+/-0.149 χ^2/NDF:1157.5/7

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

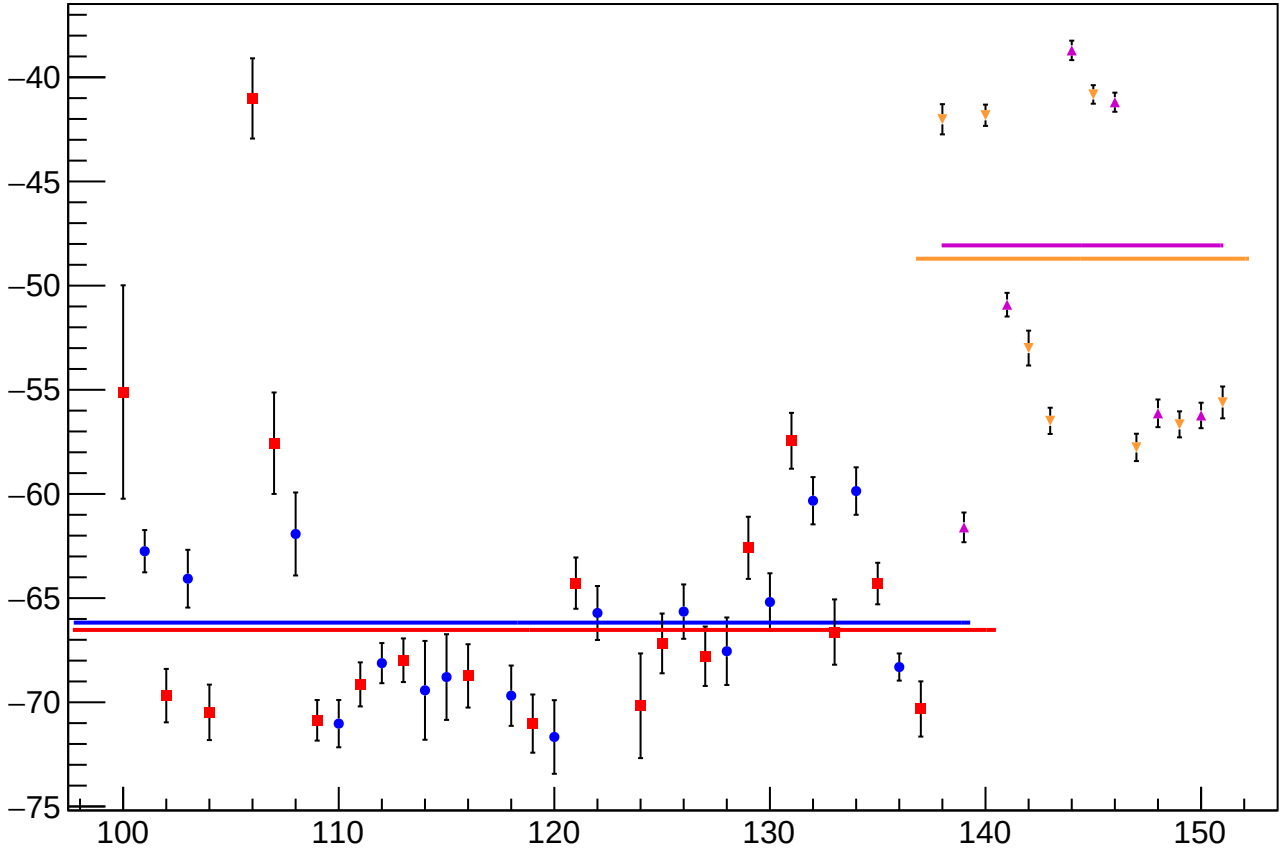
Left In: -0.653+/-0.154 χ^2/NDF:415.0/5

+ sign 0.015+/-0.132 χ^2/NDF: 1617.1/23

All: -0.581+/-0.095 χ^2/NDF: 2498.8/48

- sign -1.220+/-0.137 χ^2/NDF: 839.5/24

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -66.176+/-0.304 χ^2/NDF: 129.2/15

Left Out: -48.707+/-0.216 χ^2/NDF:1194.8/7

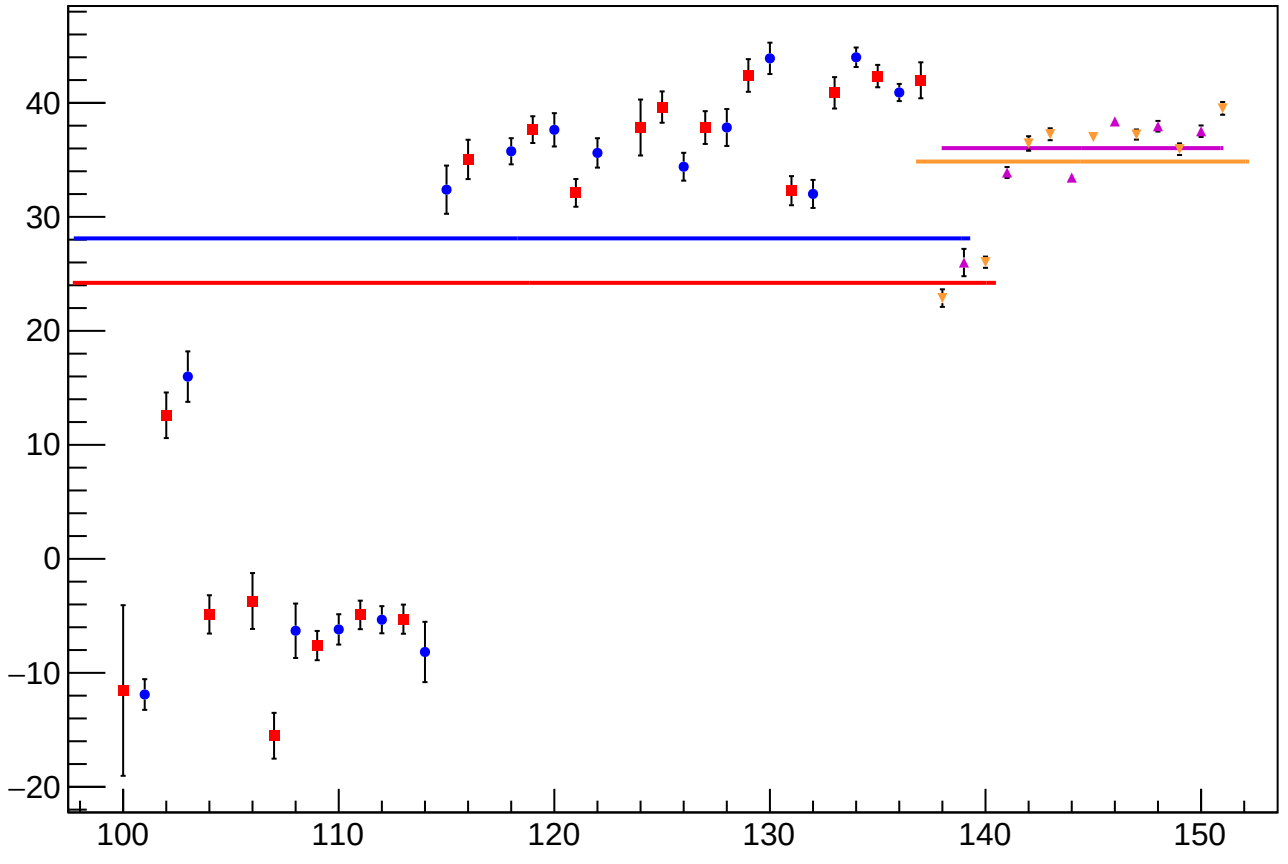
Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

Left In: -48.069+/-0.227 χ^2/NDF:1337.8/5

+ sign -54.575+/-0.176 χ^2/NDF: 3512.3/23

All: -54.517+/-0.127 χ^2/NDF: 7454.2/48

- sign -54.453+/-0.184 χ^2/NDF: 3941.7/24



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 34.853+/-0.183 χ^2/NDF:719.4/7

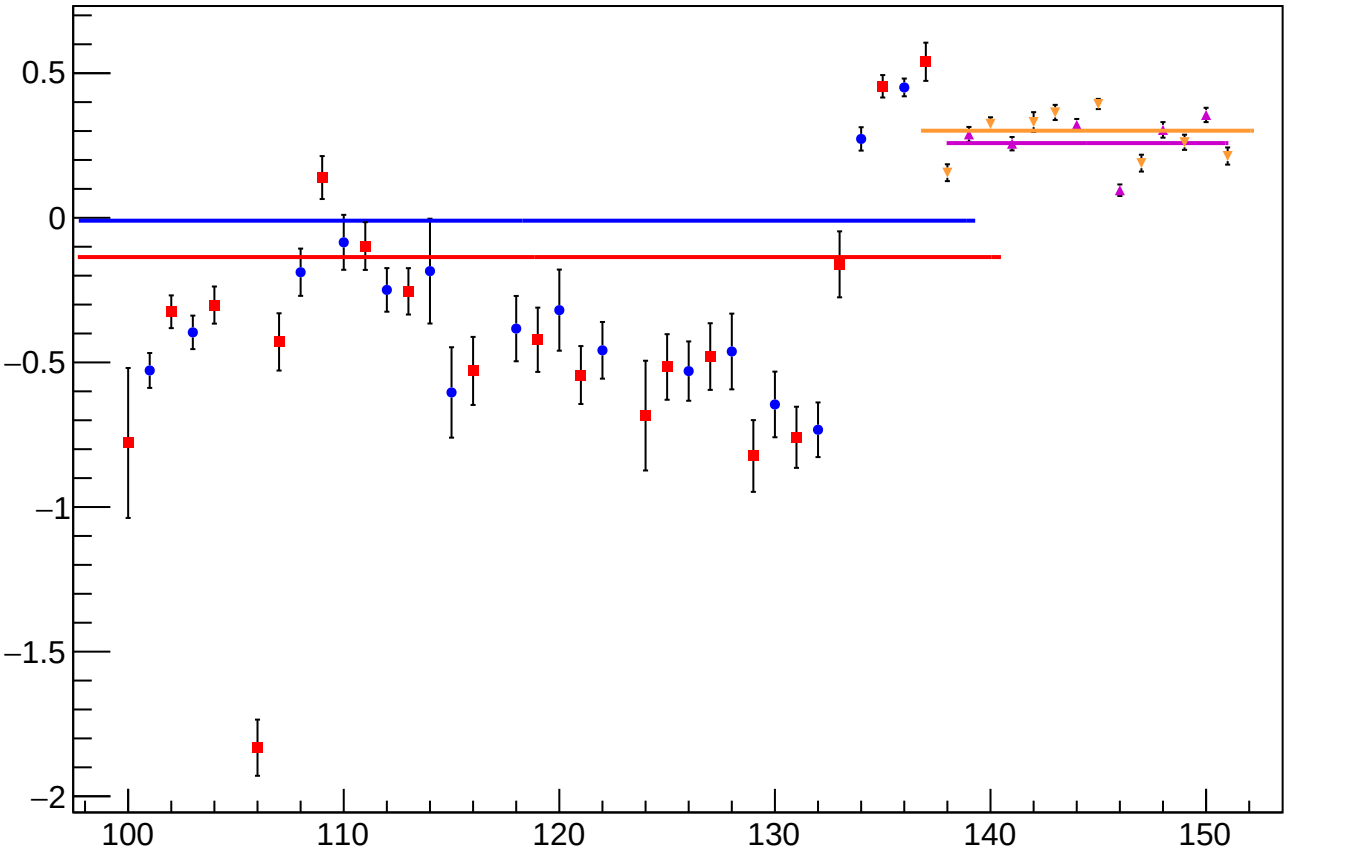
Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 36.031+/-0.189 χ^2/NDF:202.7/5

+ sign 33.198+/-0.159 χ^2/NDF: 4782.0/23

All: 33.192+/-0.114 χ^2/NDF: 9767.9/48

- sign 33.185+/-0.165 χ^2/NDF: 4985.9/24



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.301+/-0.009 χ^2/NDF:85.8/7

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

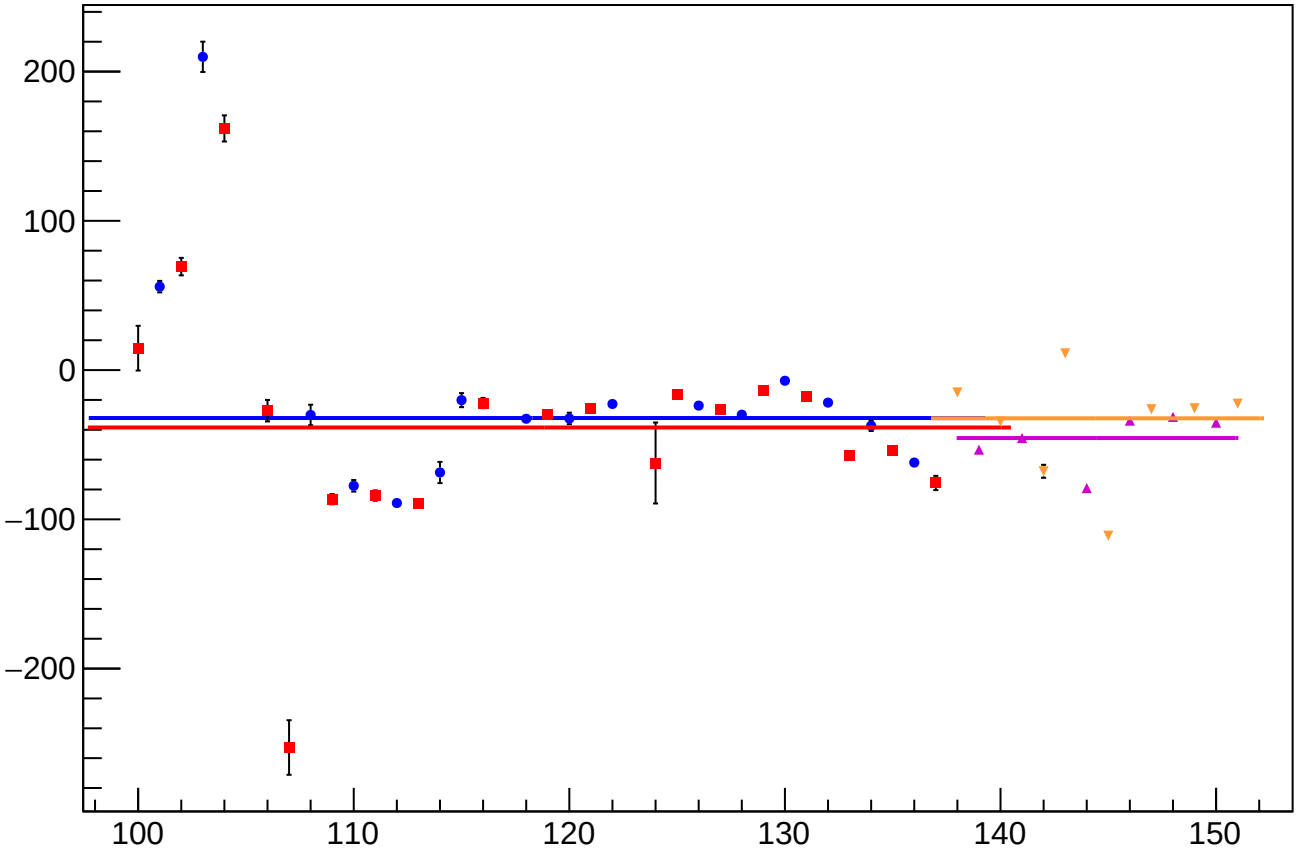
Left In: 0.258+/-0.009 χ^2/NDF:95.8/5

+ sign 0.235+/-0.008 χ^2/NDF: 927.3/23

All: 0.209+/-0.006 χ^2/NDF: 2215.1/48

- sign 0.179+/-0.008 χ^2/NDF: 1264.5/24

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -32.306+/-1.025 χ^2/NDF:914.2/7

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

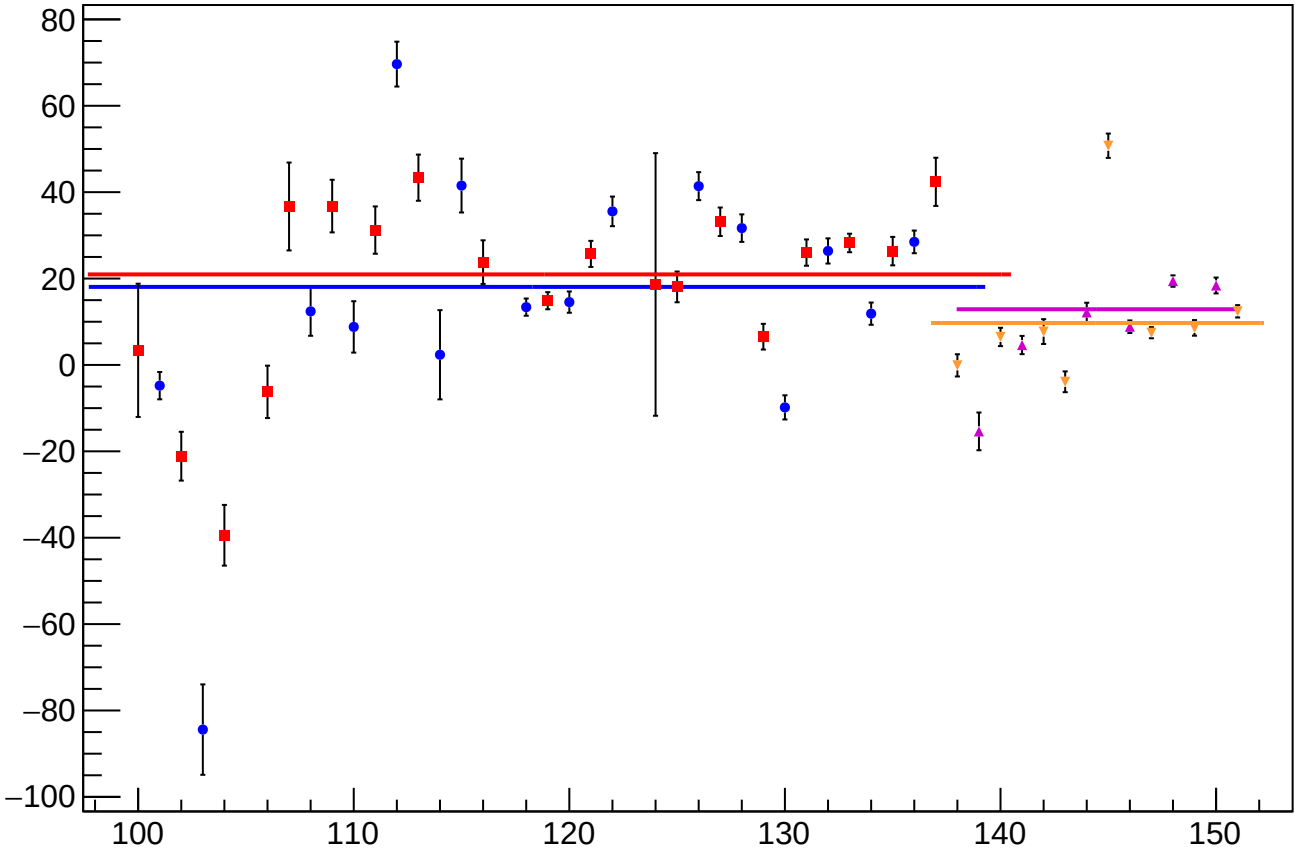
Left In: -45.538+/-1.111 χ^2/NDF:192.3/5

+ sign -32.193+/-0.651 χ^2/NDF: 2791.7/23

All: -36.452+/-0.471 χ^2/NDF: 5071.6/48

- sign -41.130+/-0.682 χ^2/NDF: 2190.1/24

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 18.068+/-0.823 χ^2/NDF: 499.6/15

Left Out: 9.715+/-0.676 χ^2/NDF:268.7/7

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

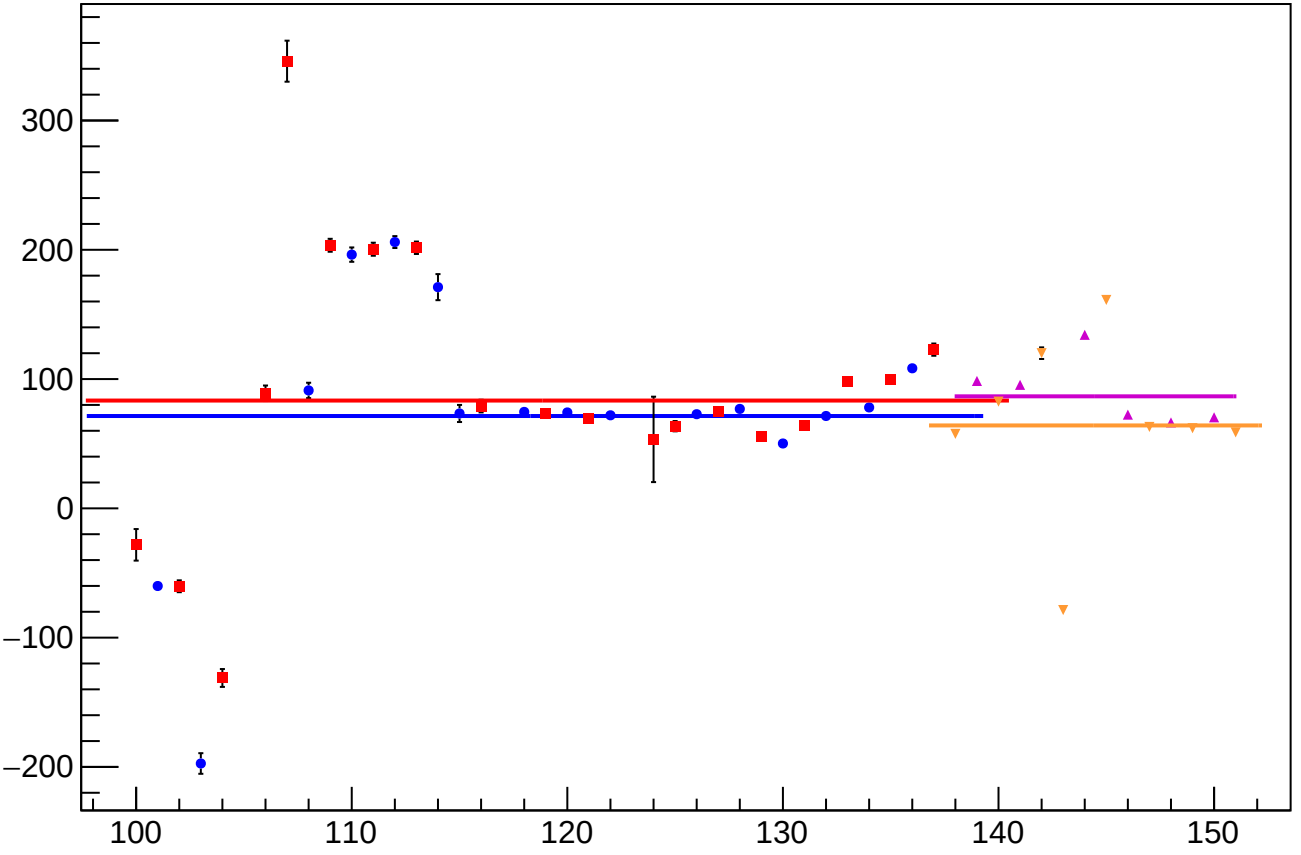
Left In: 12.891+/-0.742 χ^2/NDF:98.5/5

+ sign 13.080+/-0.522 χ^2/NDF: 829.9/23

All: 14.564+/-0.383 χ^2/NDF: 1258.4/48

- sign 16.295+/-0.564 χ^2/NDF: 411.0/24

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 64.134+/-1.016 χ^2/NDF:2876.0/7

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

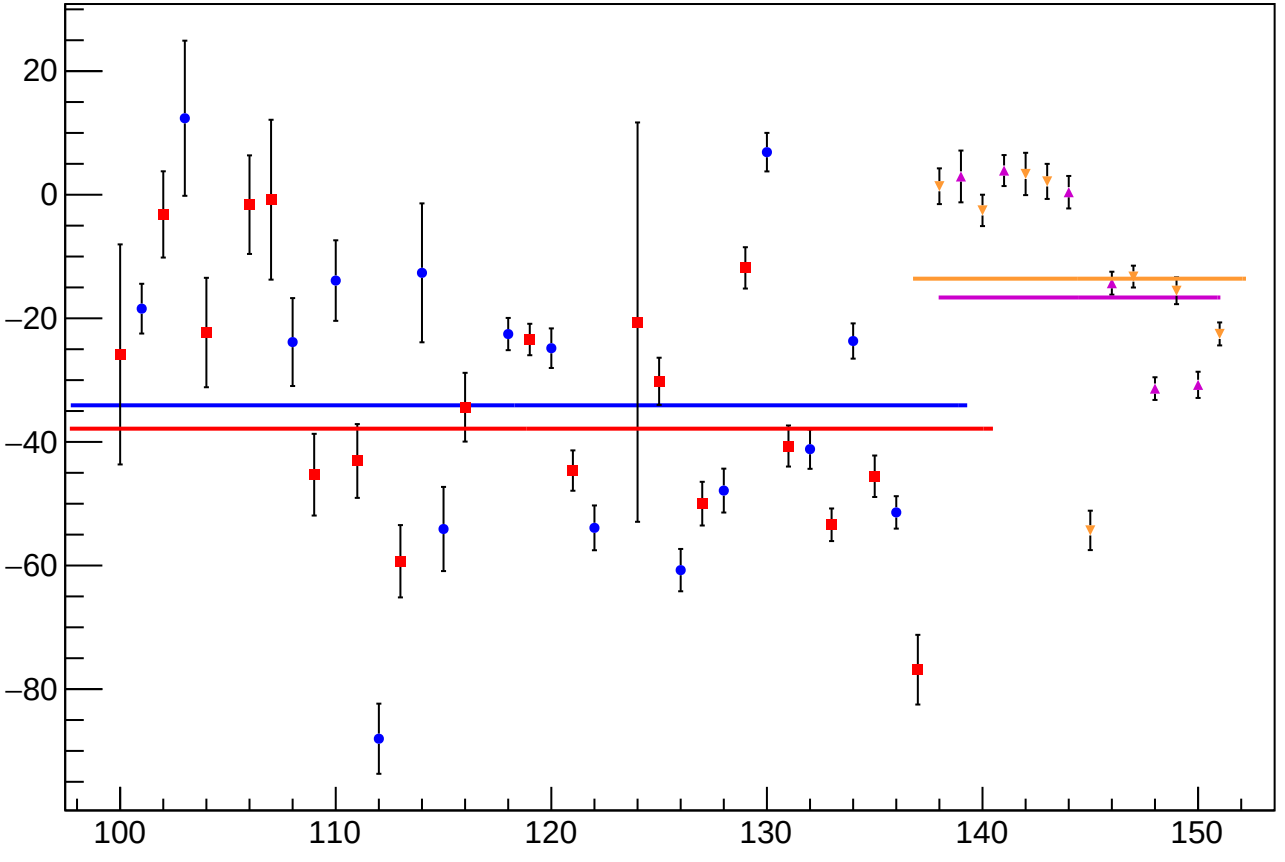
Left In: 86.652+/-1.094 χ^2/NDF:395.3/5

+ sign 68.095+/-0.687 χ^2/NDF: 7723.5/23

All: 75.933+/-0.501 χ^2/NDF: 12699.7/48

- sign 84.847+/-0.732 χ^2/NDF: 4697.6/24

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: -13.584+/-0.844 χ^2/NDF:288.3/7

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

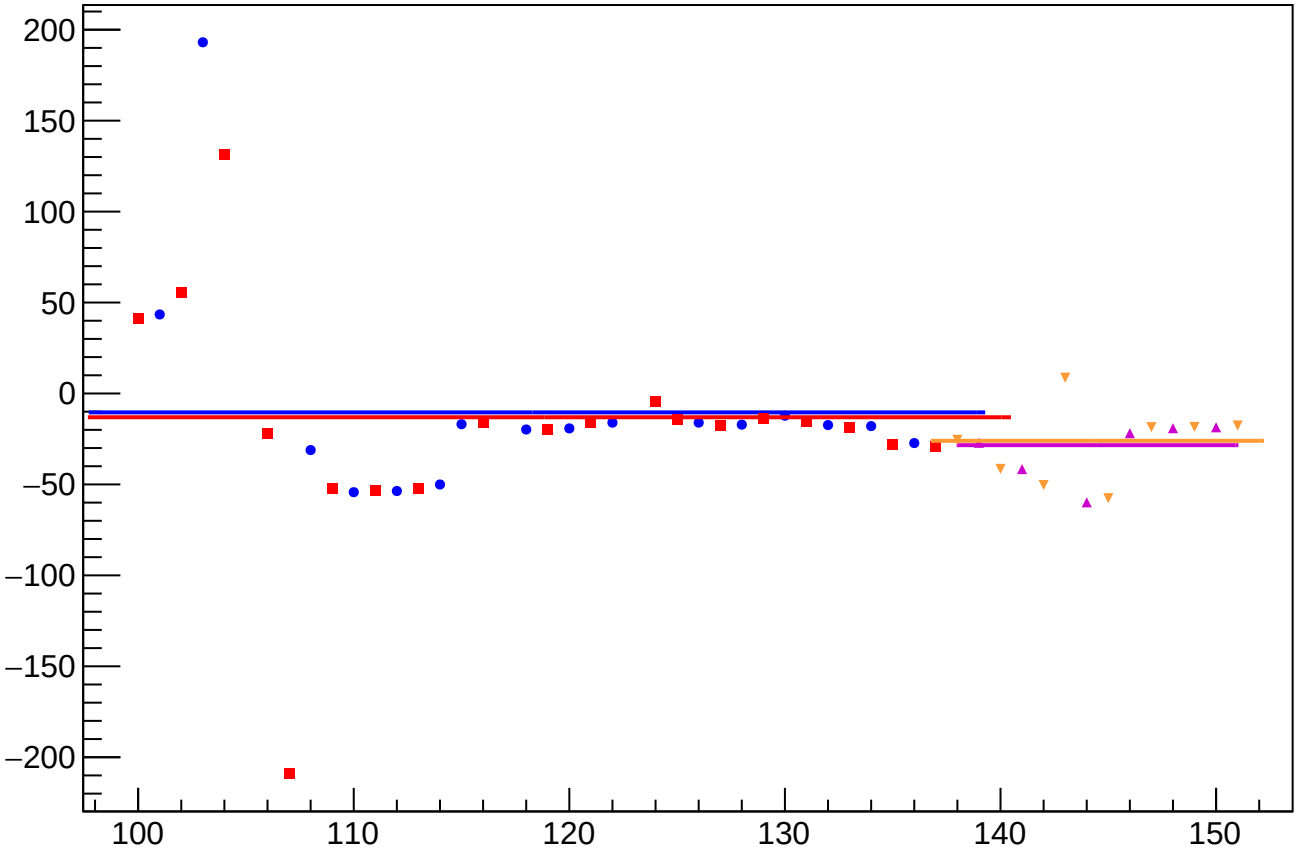
Left In: -16.629+/-0.924 χ^2/NDF:241.5/5

+ sign -22.704+/-0.629 χ^2/NDF: 1062.0/23

All: -24.450+/-0.461 χ^2/NDF: 1839.4/48

- sign -26.475+/-0.677 χ^2/NDF: 760.7/24

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -26.023+/-0.042 χ^2/NDF:172318.3/7

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

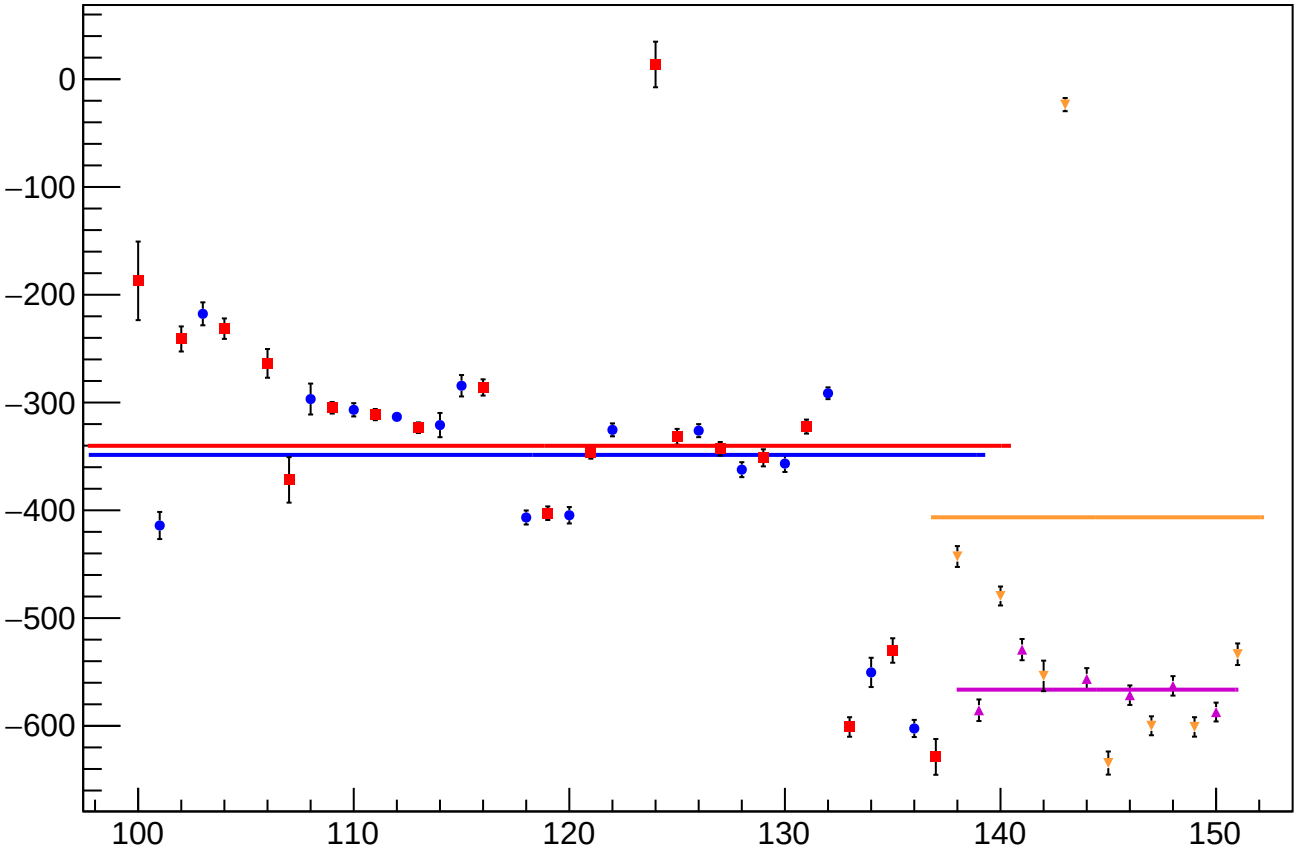
Left In: -28.419+/-0.044 χ^2/NDF:83033.9/5

+ sign -20.507+/-0.034 χ^2/NDF: 743562.4/23

All: -21.827+/-0.025 χ^2/NDF: 1319616.2/48

- sign -23.331+/-0.036 χ^2/NDF: 572785.4/24

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -406.479+/-3.174 χ^2/NDF:5667.7/7

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

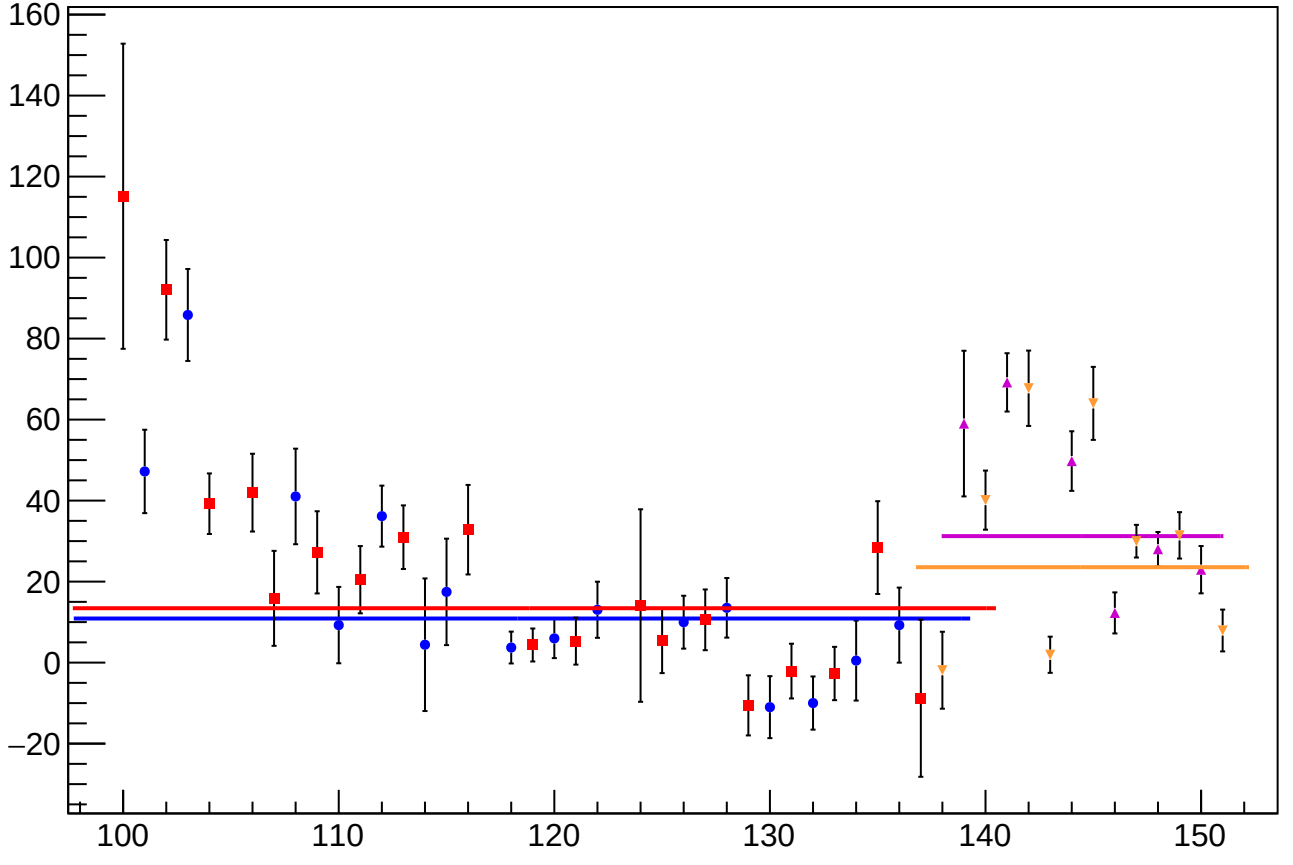
Left In: -566.401+/-3.837 χ^2/NDF:25.0/5

\+ sign -362.963+/-1.582 χ^2/NDF: 7776.0/23

All: -371.119+/-1.125 χ^2/NDF: 12925.1/48

\- sign -379.454+/-1.599 χ^2/NDF: 5095.4/24

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 23.560+/-2.070 χ^2/NDF:92.0/7

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

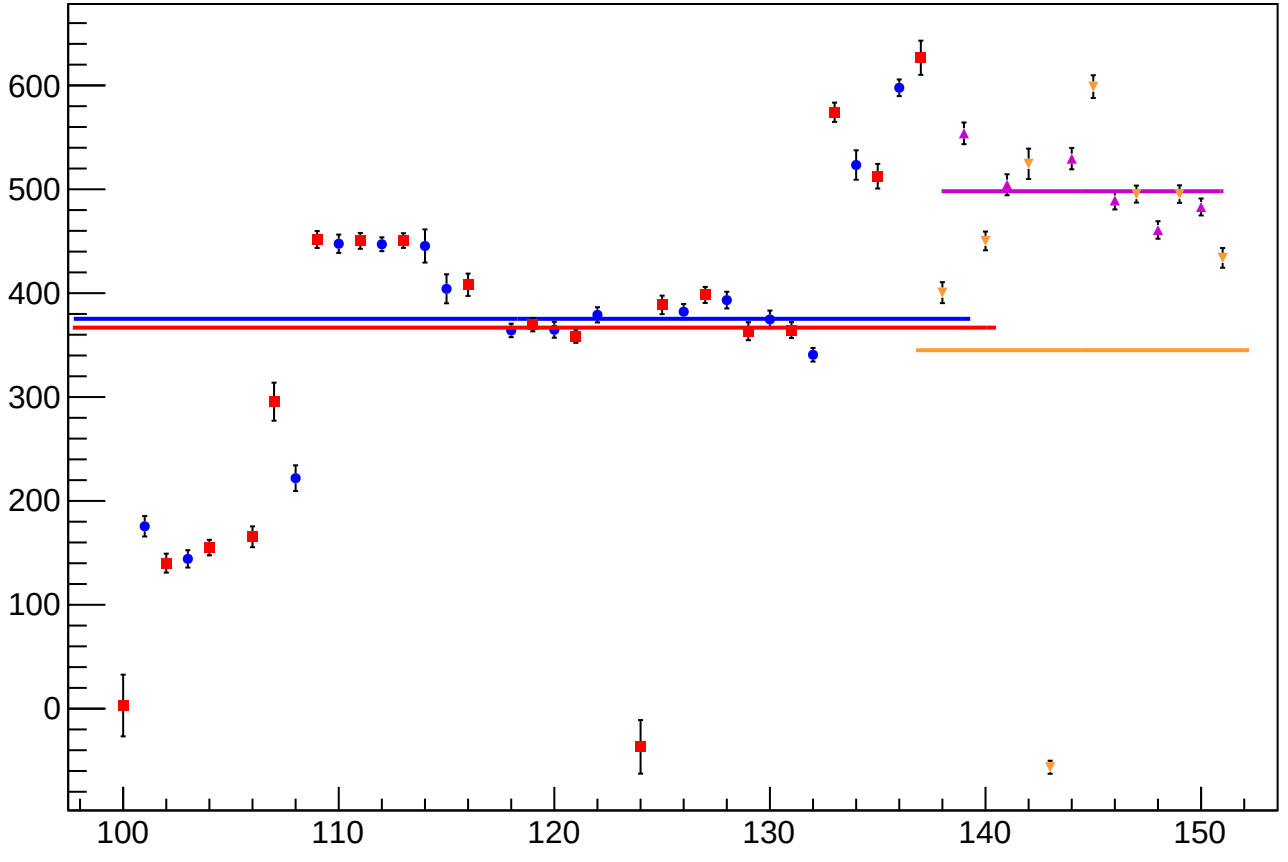
Left In: 31.231+/-2.465 χ^2/NDF:53.1/5

+ sign 16.490+/-1.376 χ^2/NDF: 211.2/23

All: 18.052+/-1.008 χ^2/NDF: 412.8/48

- sign 19.862+/-1.482 χ^2/NDF: 198.8/24

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 345.083+/-3.157 χ^2/NDF:5660.8/7

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

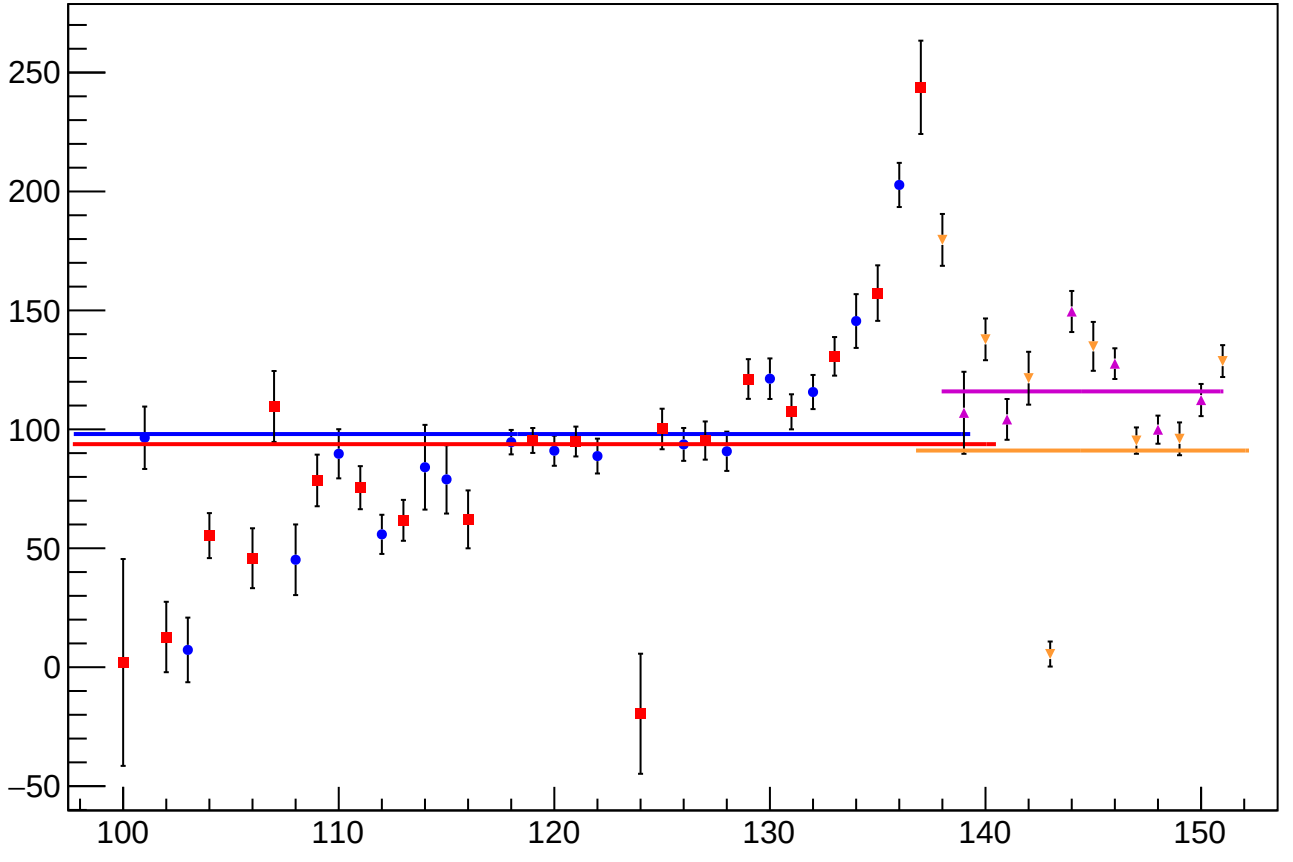
Left In: 498.136+/-3.757 χ^2/NDF:62.3/5

+ sign 366.028+/-1.750 χ^2/NDF: 8173.8/23

All: 381.056+/-1.254 χ^2/NDF: 12870.1/48

- sign 396.939+/-1.799 χ^2/NDF: 4544.7/24

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 91.087+/-2.574 χ^2/NDF:416.7/7

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

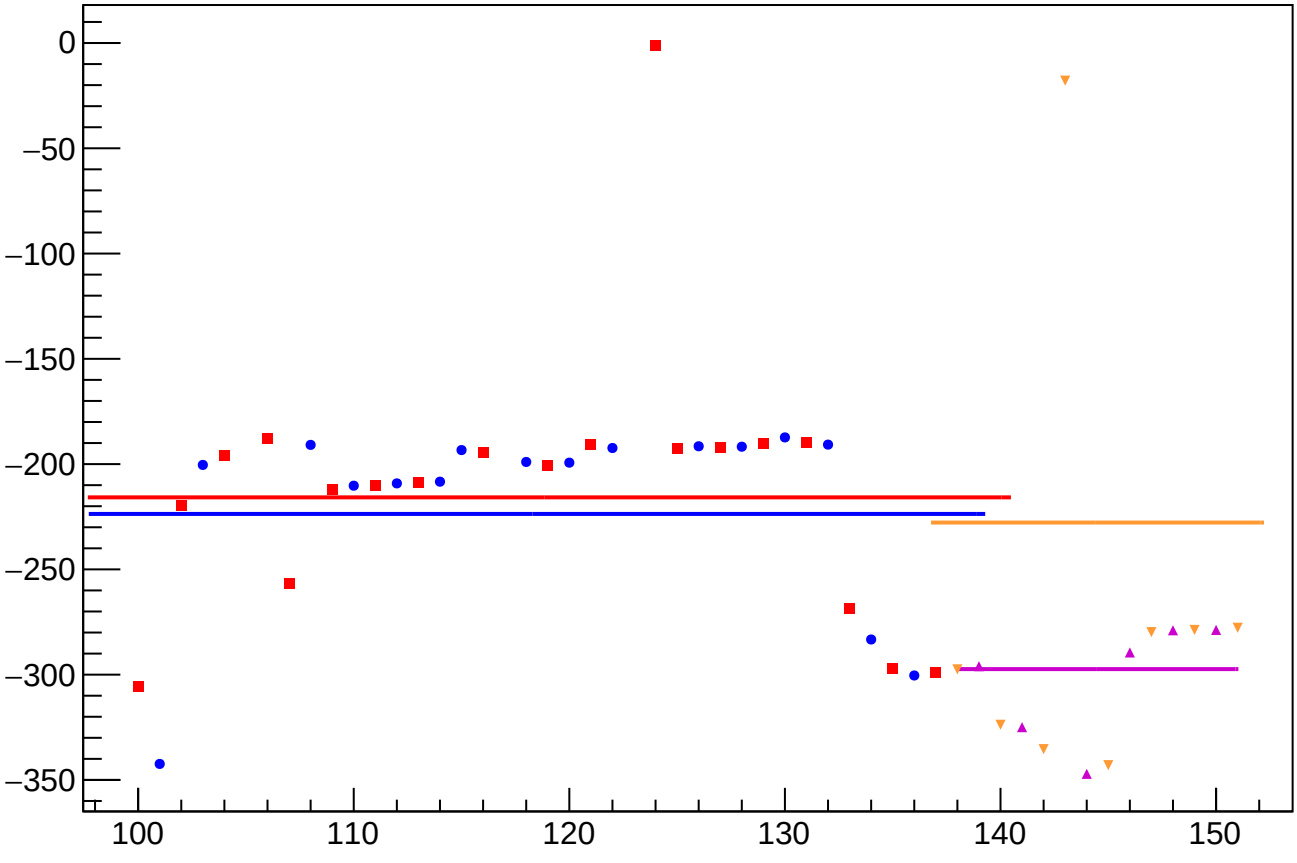
Left In: 115.950+/-3.087 χ^2/NDF:28.3/5

+ sign 95.180+/-1.647 χ^2/NDF: 670.5/23

All: 97.884+/-1.202 χ^2/NDF: 976.5/48

- sign 100.963+/-1.758 χ^2/NDF: 300.3/24

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -227.759+/-0.132 χ^2/NDF:892482.2/7

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

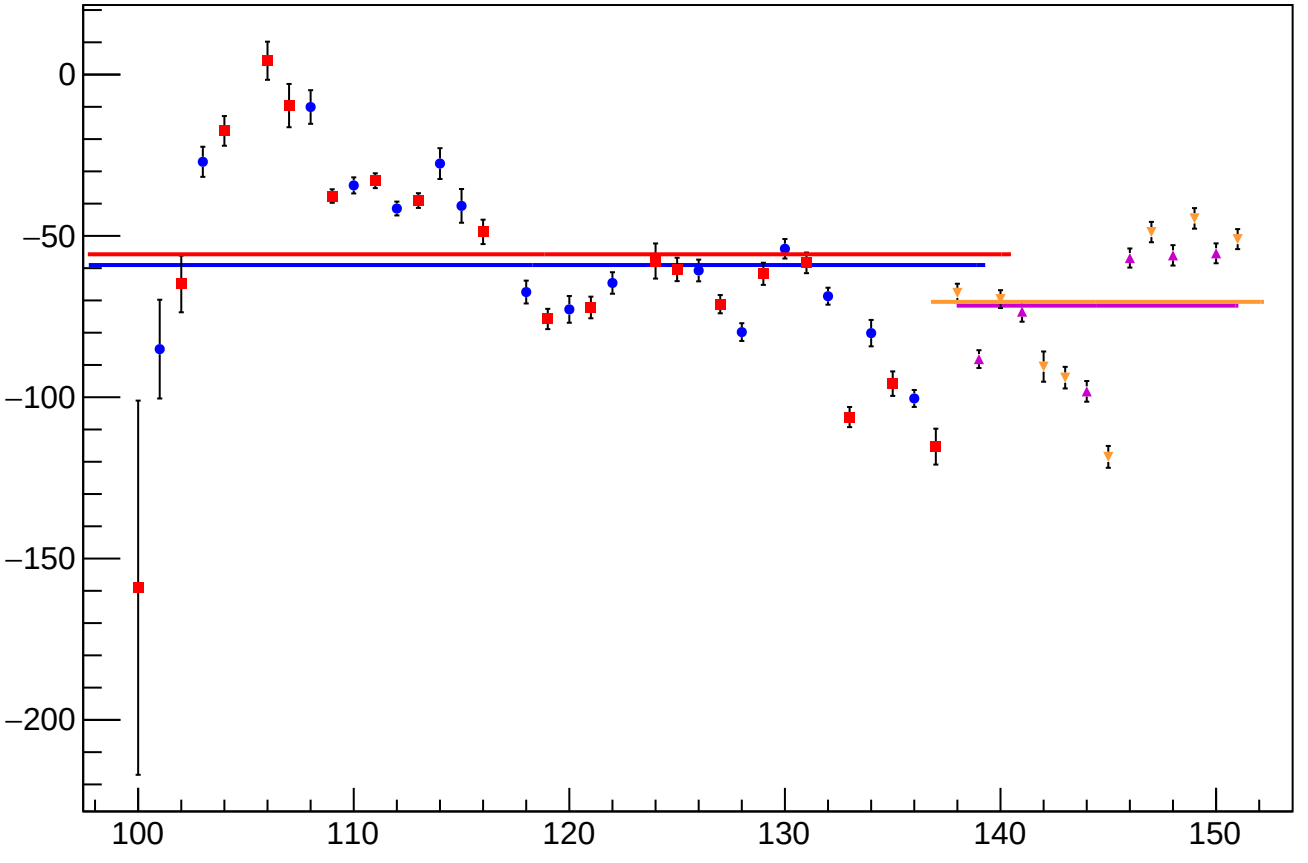
Left In: -297.363+/-0.153 χ^2/NDF:22627.6/5

+ sign -225.809+/-0.095 χ^2/NDF: 1014469.1/23

All: -237.821+/-0.069 χ^2/NDF: 1312565.3/48

- sign -251.263+/-0.101 χ^2/NDF: 264533.7/24

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -70.436+/-1.133 χ^2/NDF:421.9/7

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

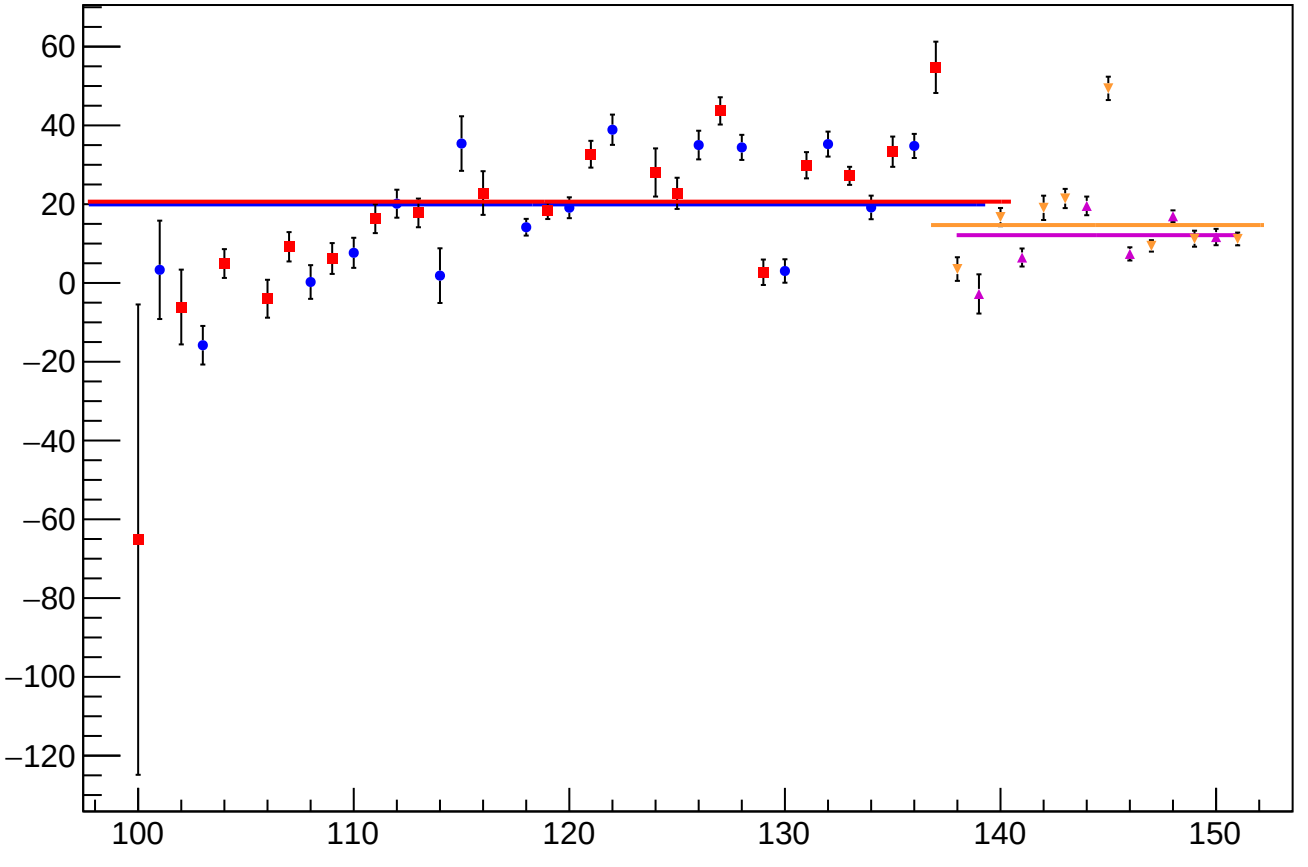
Left In: -71.615+/-1.239 χ^2/NDF:181.9/5

+ sign -63.009+/-0.669 χ^2/NDF: 1215.2/23

All: -61.648+/-0.472 χ^2/NDF: 2563.7/48

- sign -60.298+/-0.666 χ^2/NDF: 1340.3/24

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 14.701+/-0.750 χ^2/NDF:182.1/7

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

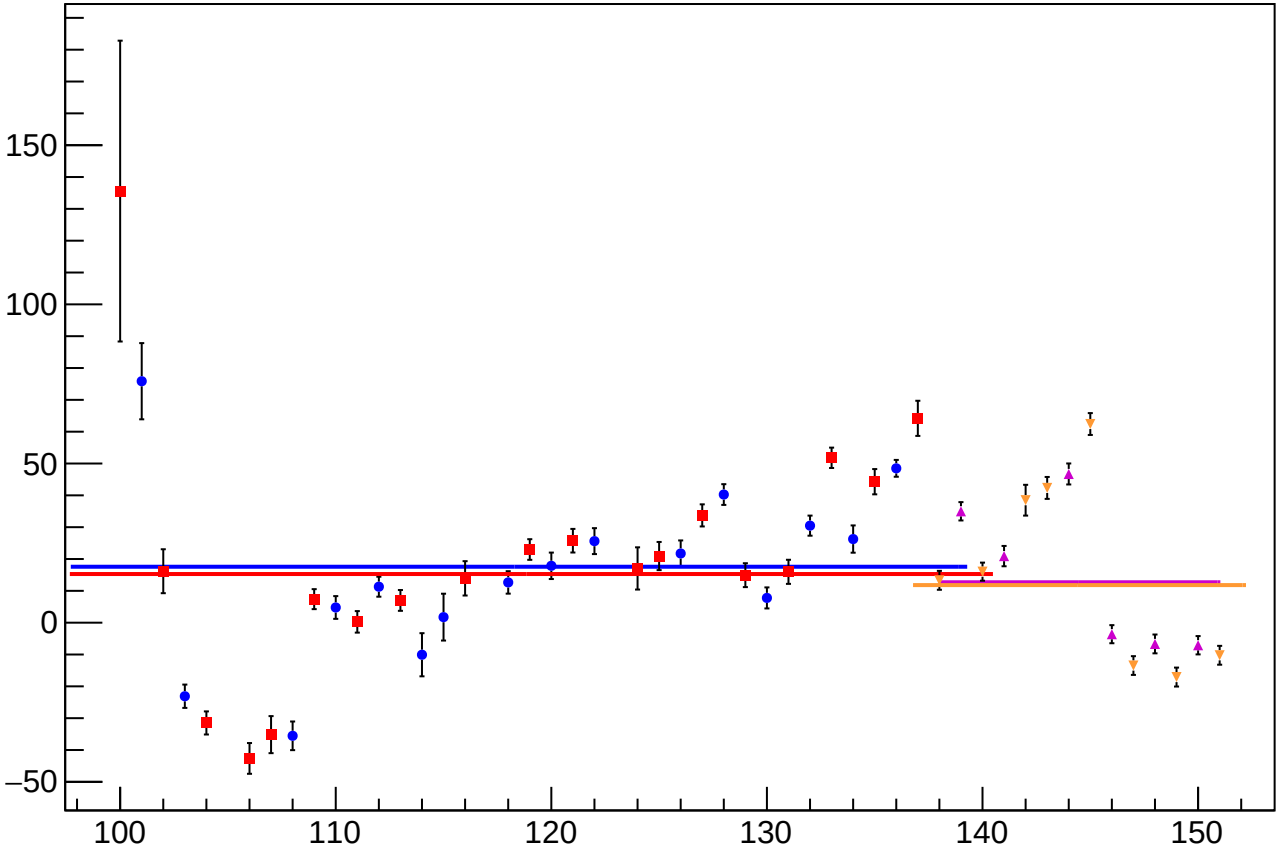
Left In: 12.135+/-0.831 χ^2/NDF:43.4/5

+ sign 16.944+/-0.567 χ^2/NDF: 450.2/23

All: 16.648+/-0.410 χ^2/NDF: 770.5/48

- sign 16.327+/-0.592 χ^2/NDF: 319.8/24

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: 11.808+/-1.124 χ^2/NDF:551.8/7

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

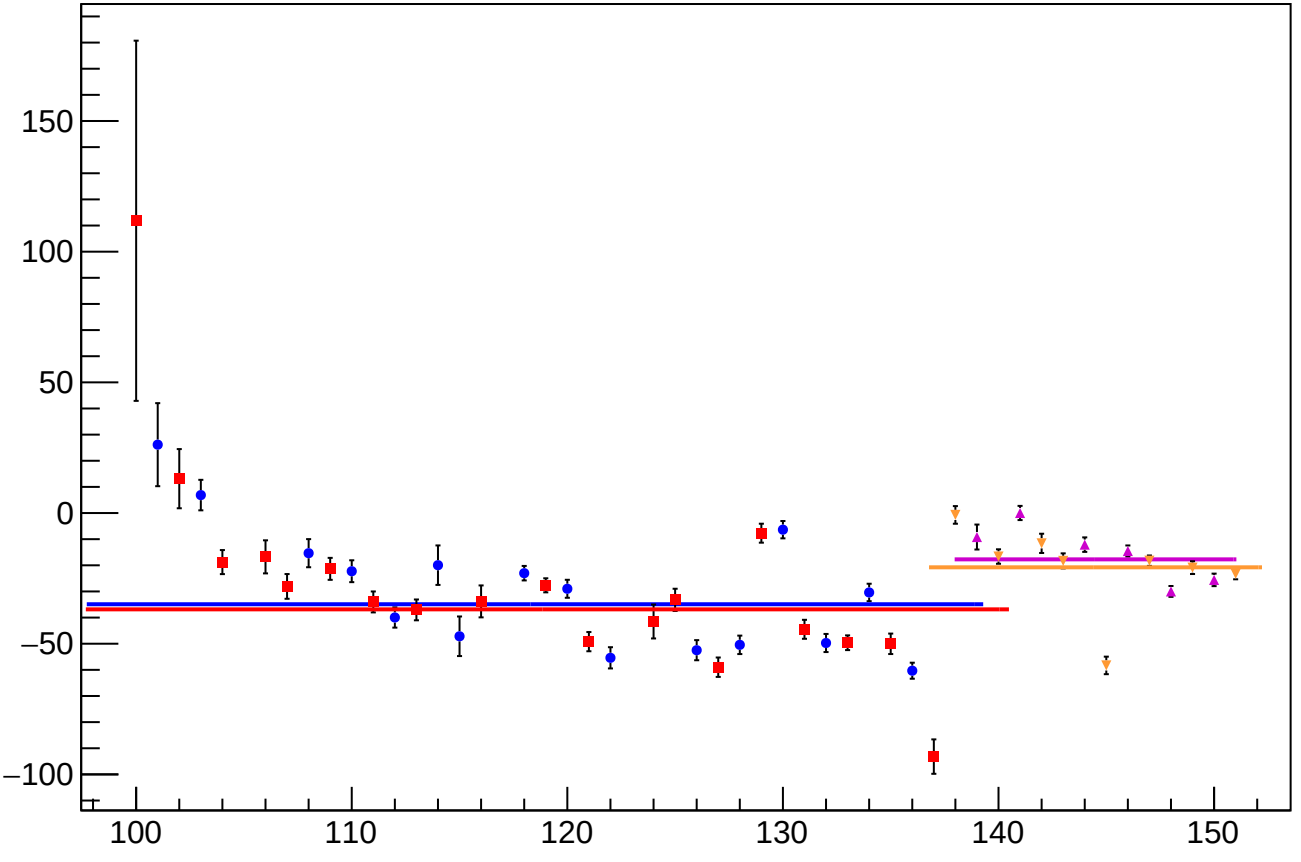
Left In: 12.693+/-1.222 χ^2/NDF:296.0/5

\+ sign 15.152+/-0.729 χ^2/NDF: 1113.3/23

All: 14.748+/-0.520 χ^2/NDF: 2142.8/48

\- sign 14.328+/-0.742 χ^2/NDF: 1028.9/24

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -34.899+/-0.990 χ^2/NDF: 346.6/15

Left Out: -20.769+/-0.934 χ^2/NDF:172.7/7

Right Out: -36.853+/-0.970 χ^2/NDF: 301.4/18

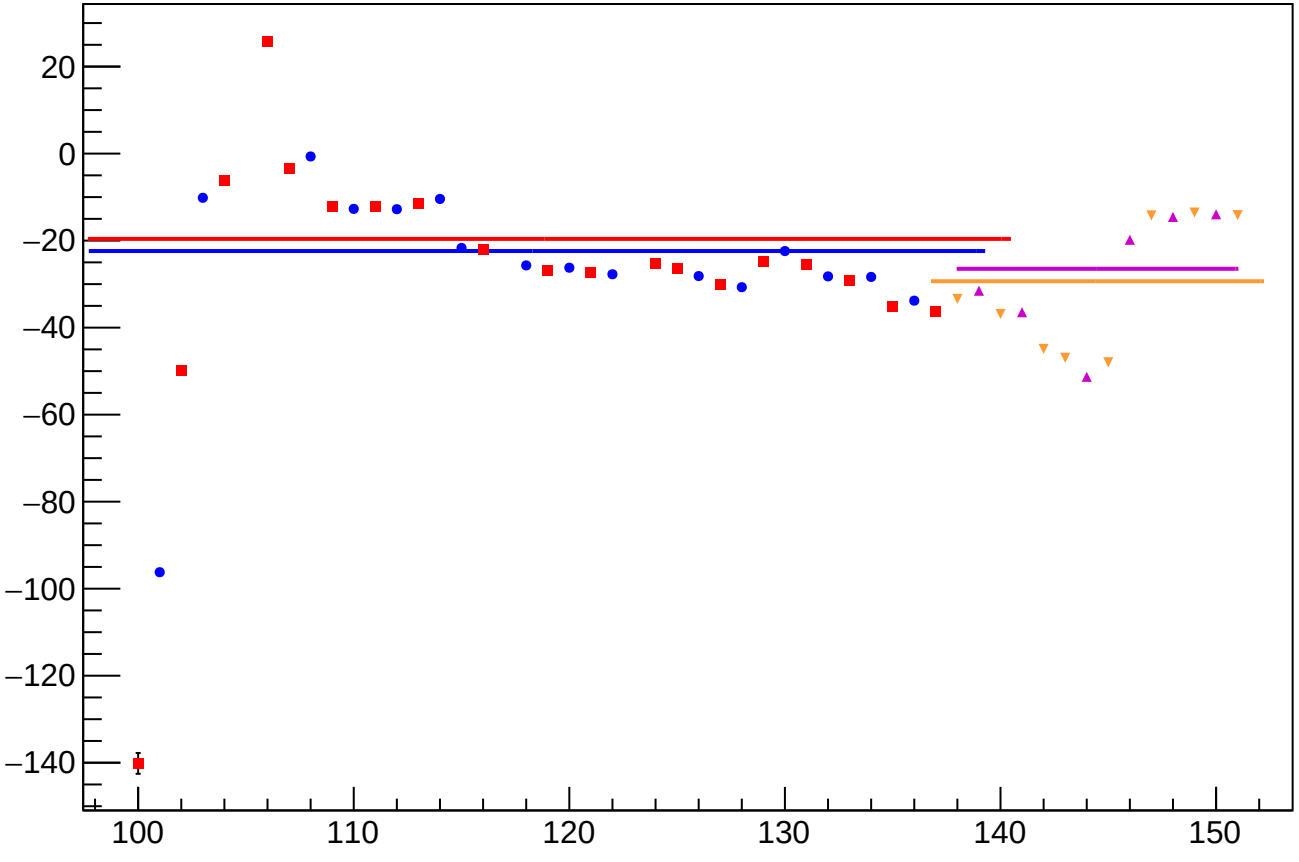
Left In: -17.724+/-1.034 χ^2/NDF:98.0/5

+ sign -27.421+/-0.679 χ^2/NDF: 627.1/23

All: -27.652+/-0.490 χ^2/NDF: 1208.9/48

- sign -27.901+/-0.707 χ^2/NDF: 581.6/24

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -29.334+/-0.046 χ^2/NDF:91868.5/7

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

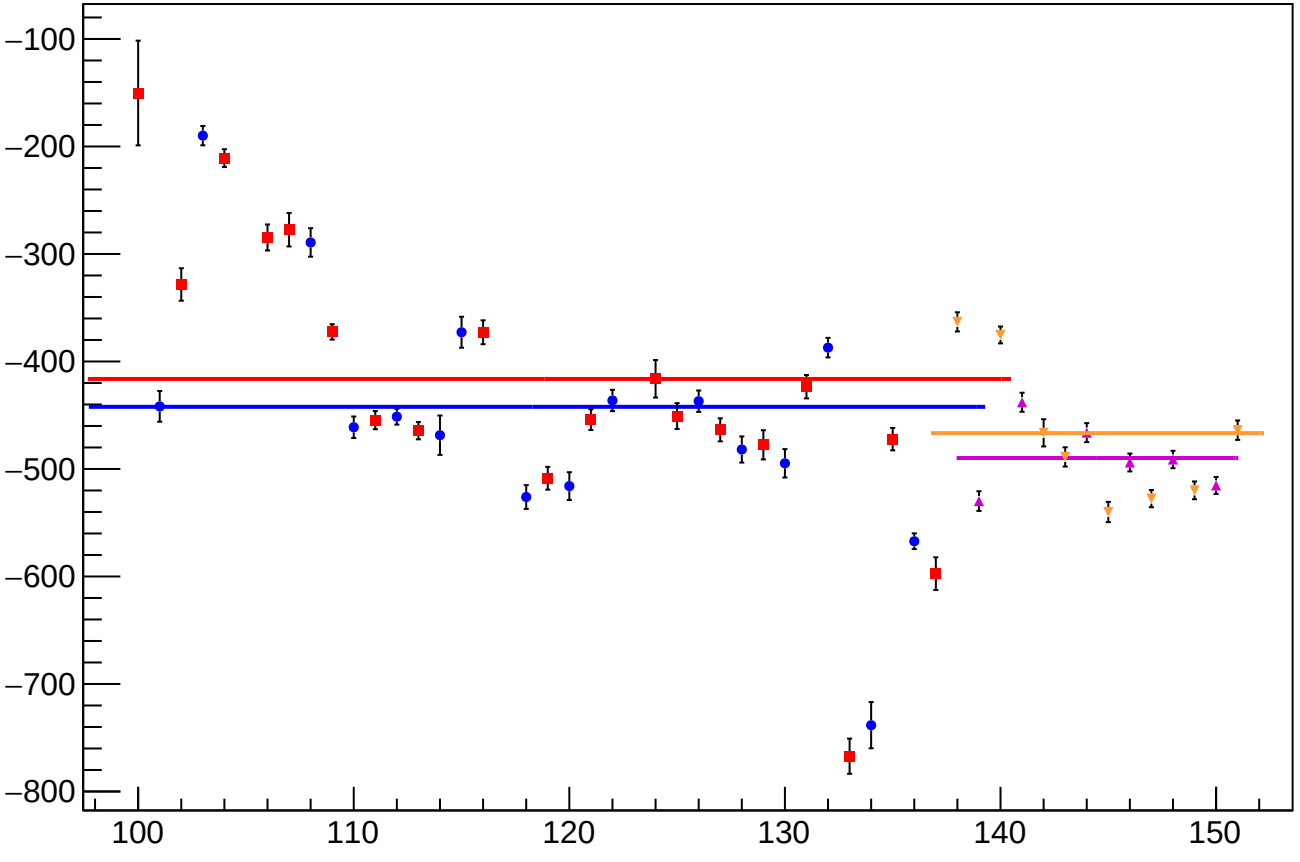
Left In: -26.481+/-0.049 χ^2/NDF:61034.6/5

+ sign -26.639+/-0.036 χ^2/NDF: 147058.9/23

All: -25.222+/-0.026 χ^2/NDF: 303056.1/48

- sign -23.674+/-0.038 χ^2/NDF: 152815.3/24

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -466.673+/-3.143 χ^2/NDF:436.5/7

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

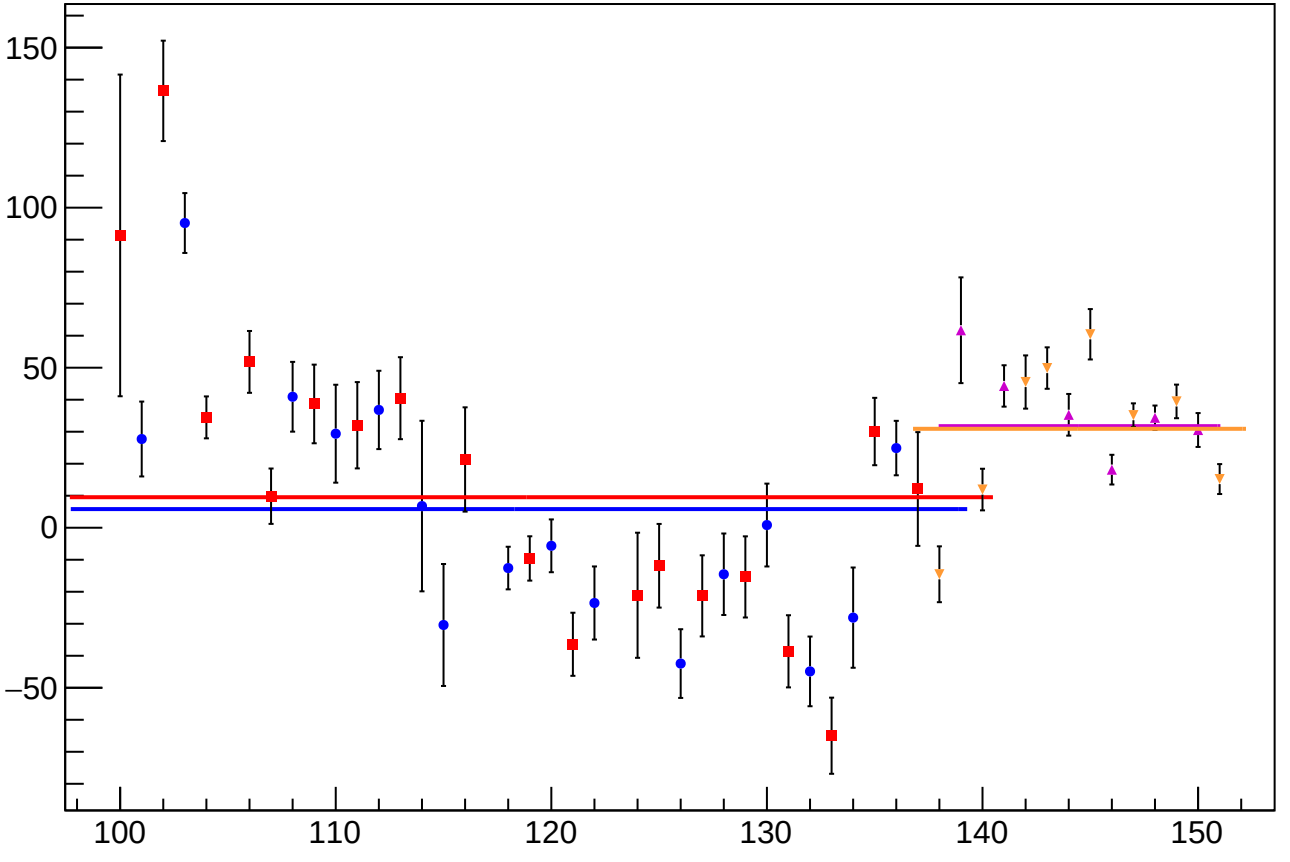
Left In: -489.807+/-3.468 χ^2/NDF:71.3/5

+ sign -452.499+/-2.040 χ^2/NDF: 2060.7/23

All: -447.103+/-1.443 χ^2/NDF: 4193.9/48

- sign -441.707+/-2.040 χ^2/NDF: 2119.3/24

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 30.910+/-2.013 χ^2/NDF:76.7/7

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

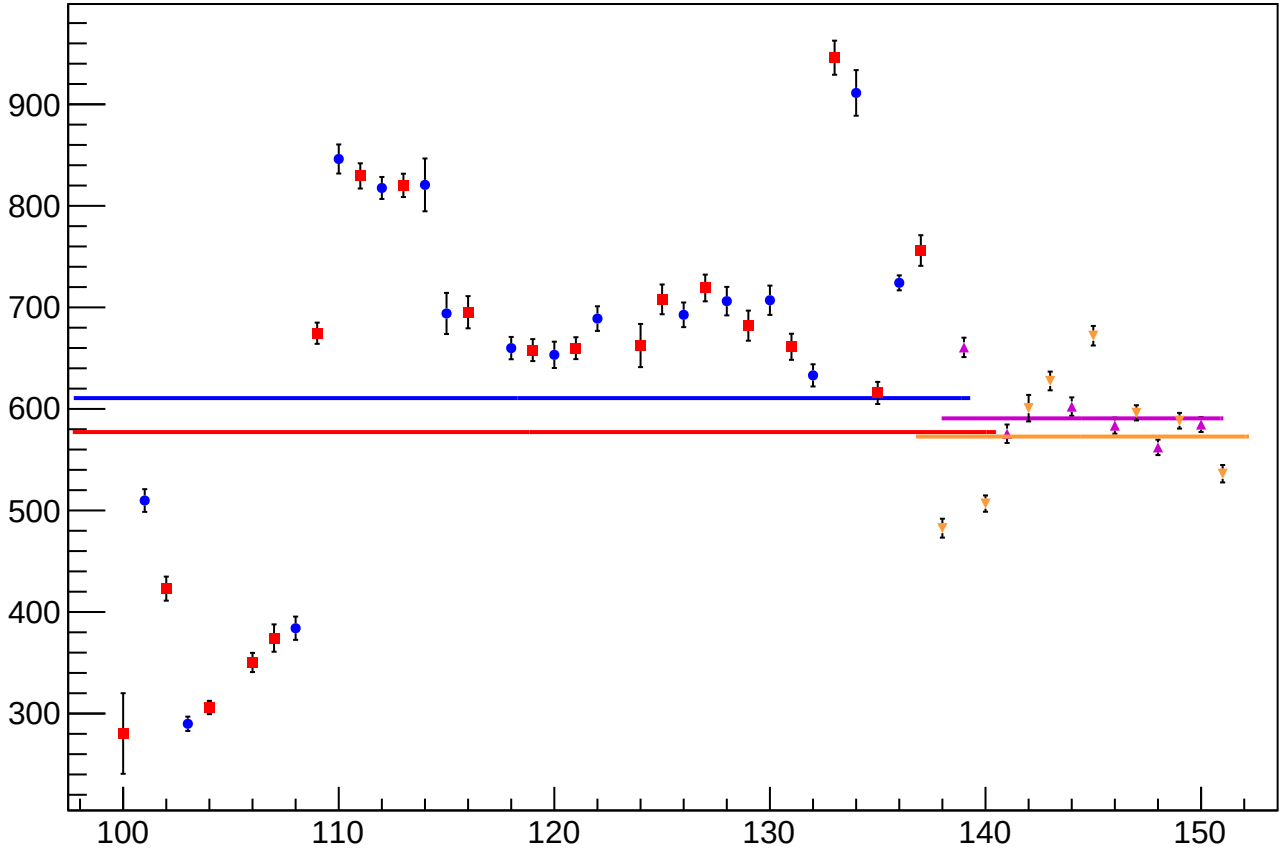
Left In: 31.736+/-2.225 χ^2/NDF:16.5/5

+ sign 22.066+/-1.620 χ^2/NDF: 319.5/23

All: 22.114+/-1.166 χ^2/NDF: 601.1/48

- sign 22.166+/-1.678 χ^2/NDF: 281.5/24

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 572.801+/-3.108 χ^2/NDF:339.2/7

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

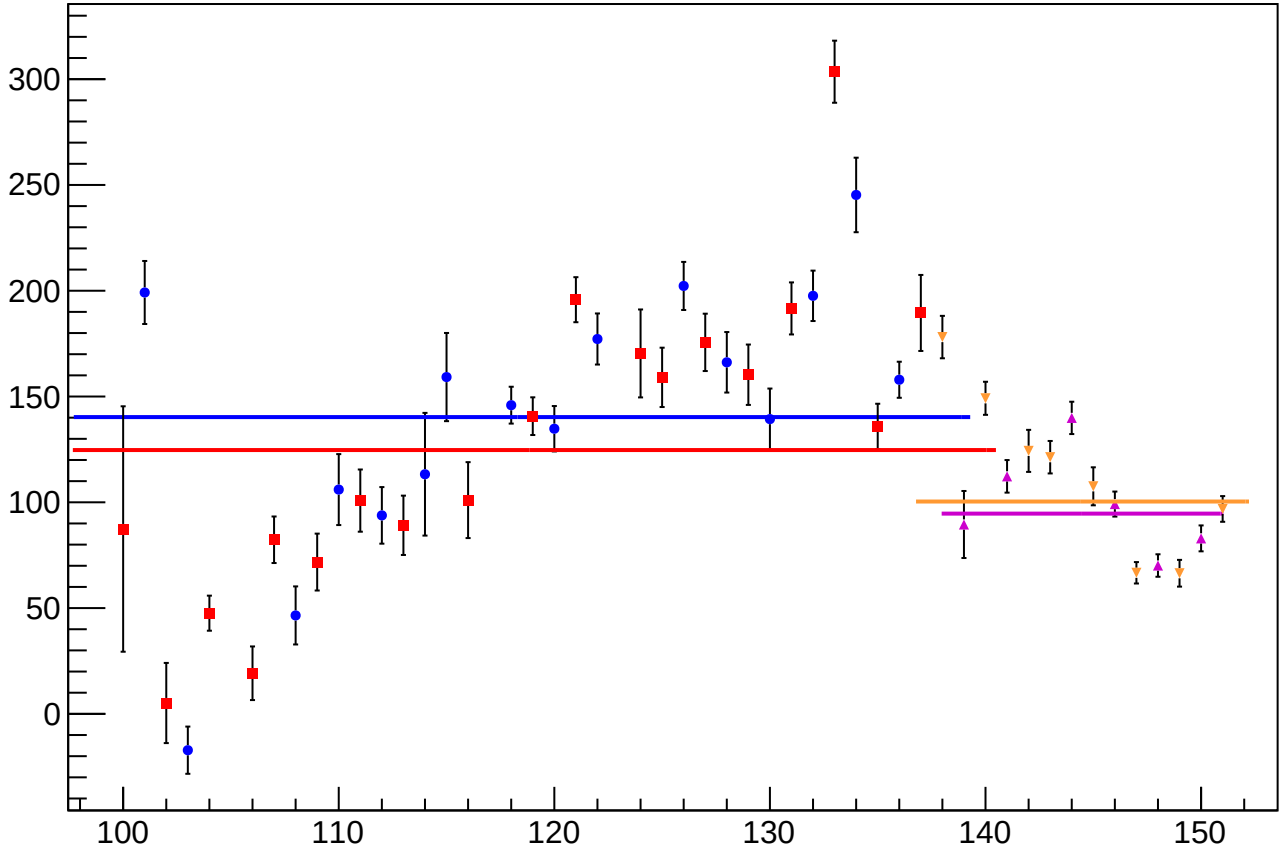
Left In: 590.710+/-3.397 χ^2/NDF:73.5/5

\+ sign 593.091+/-2.117 χ^2/NDF: 4311.3/23

All: 587.883+/-1.505 χ^2/NDF: 9206.9/48

\- sign 582.565+/-2.140 χ^2/NDF: 4883.4/24

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 100.369+/-2.524 χ^2/NDF:186.3/7

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

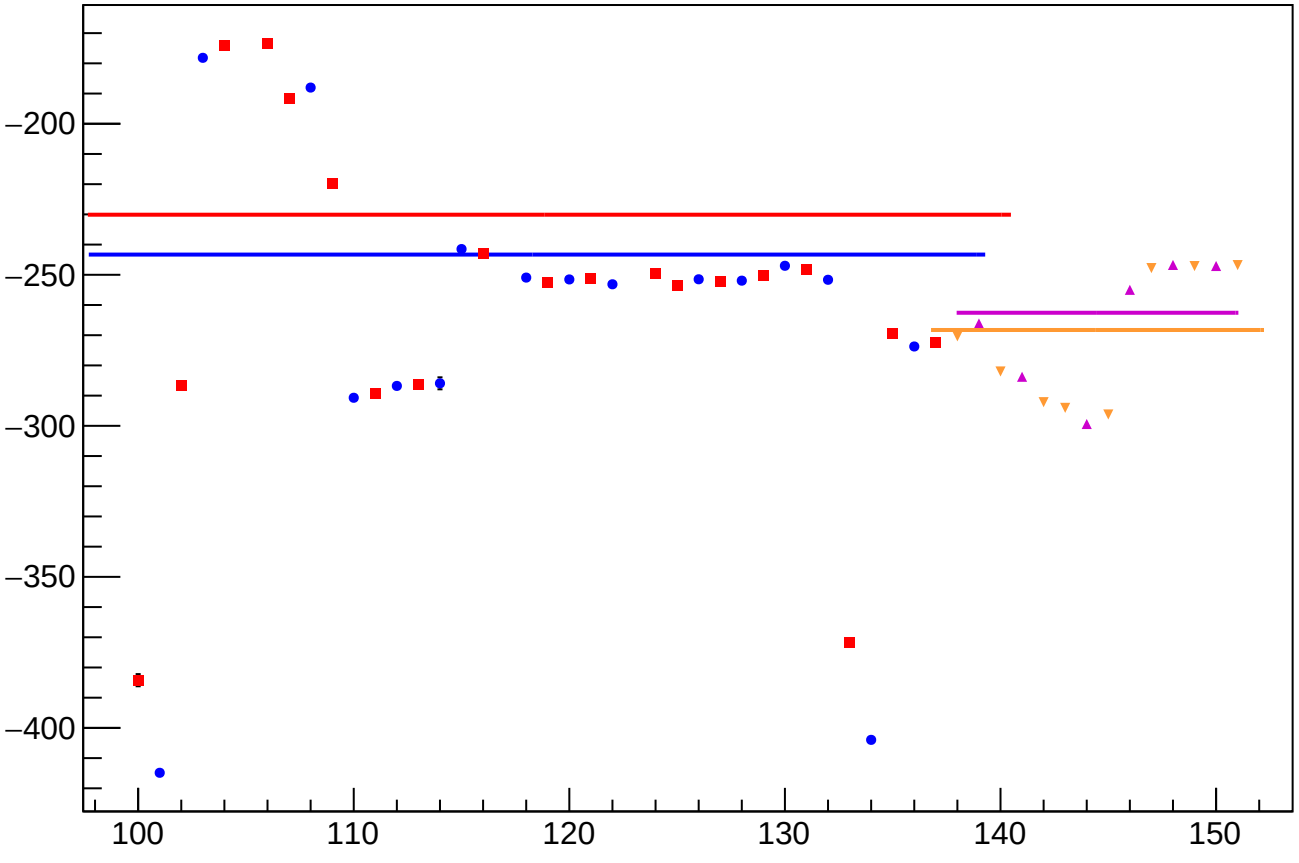
Left In: 94.651+/-2.788 χ^2/NDF:66.0/5

+ sign 115.963+/-1.970 χ^2/NDF: 669.5/23

All: 112.440+/-1.415 χ^2/NDF: 1304.8/48

- sign 108.679+/-2.035 χ^2/NDF: 628.8/24

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -268.273+/-0.130 χ^2/NDF:25344.8/7

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

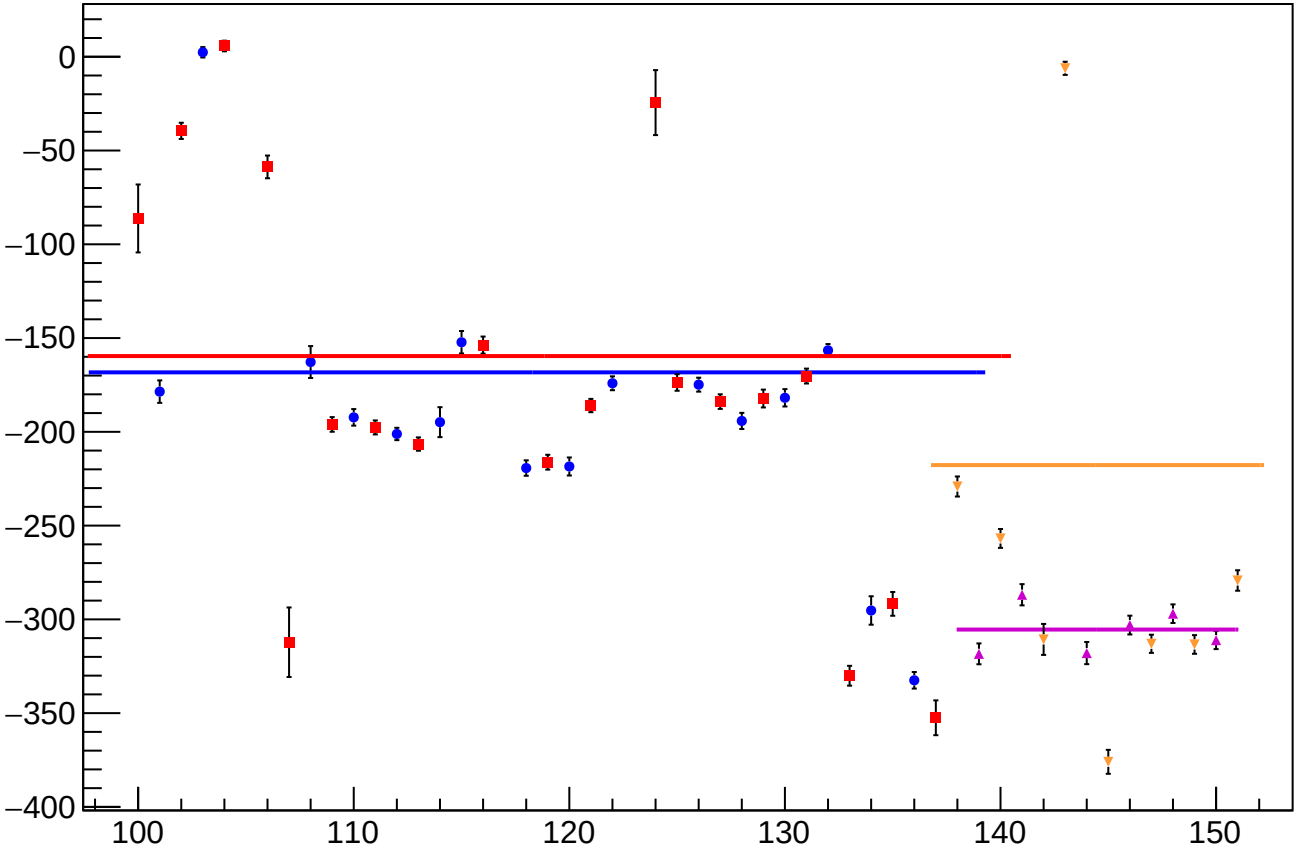
Left In: -262.568+/-0.139 χ^2/NDF:17349.5/5

+ sign -258.522+/-0.102 χ^2/NDF: 213213.7/23

All: -253.578+/-0.073 χ^2/NDF: 361836.6/48

- sign -248.397+/-0.104 χ^2/NDF: 143771.0/24

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -217.731+/-1.792 χ^2/NDF:5323.8/7

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

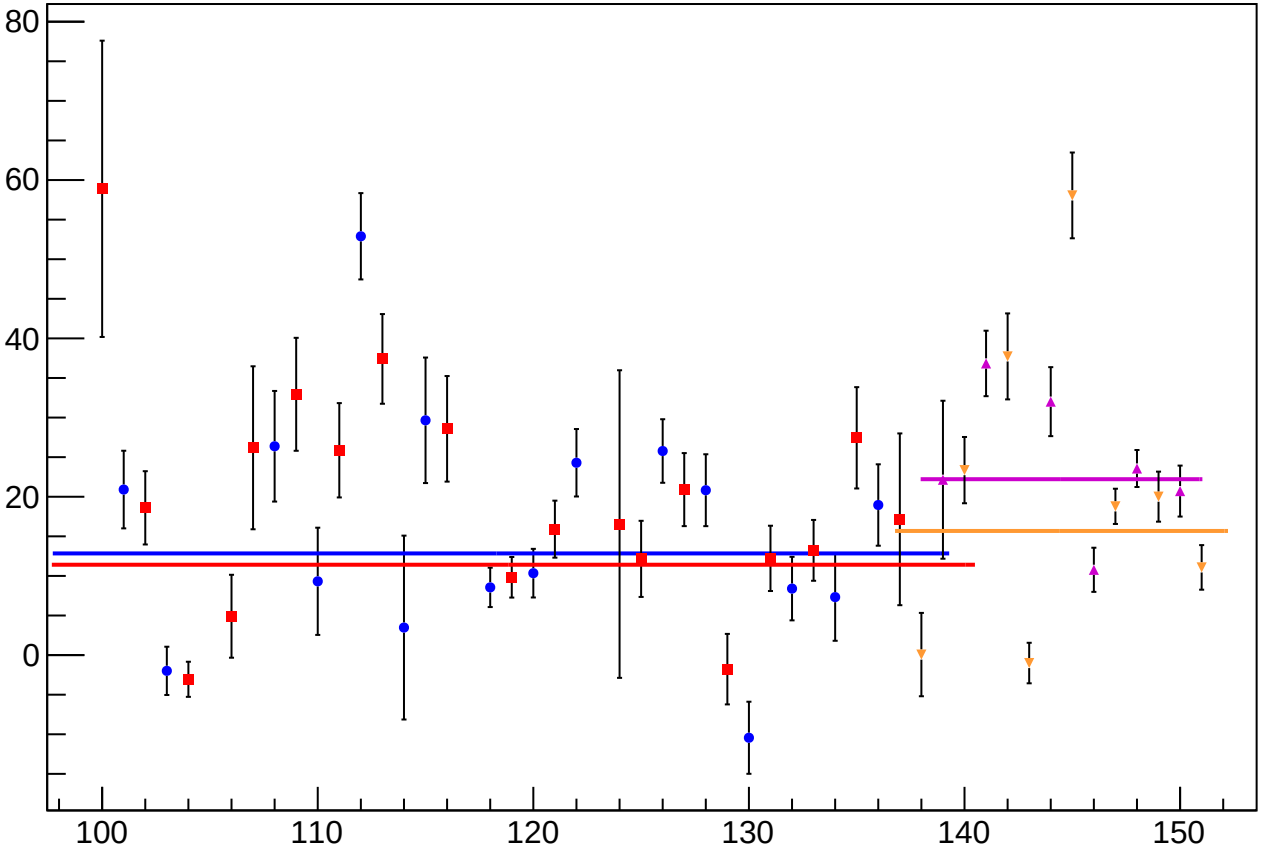
Left In: -305.434+/-2.152 χ^2/NDF:25.2/5

+ sign -181.387+/-0.922 χ^2/NDF: 11790.8/23

All: -184.302+/-0.658 χ^2/NDF: 22754.3/48

- sign -187.317+/-0.938 χ^2/NDF: 10943.2/24

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

Left Out: 15.680+/-1.161 χ^2/NDF:138.9/7

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

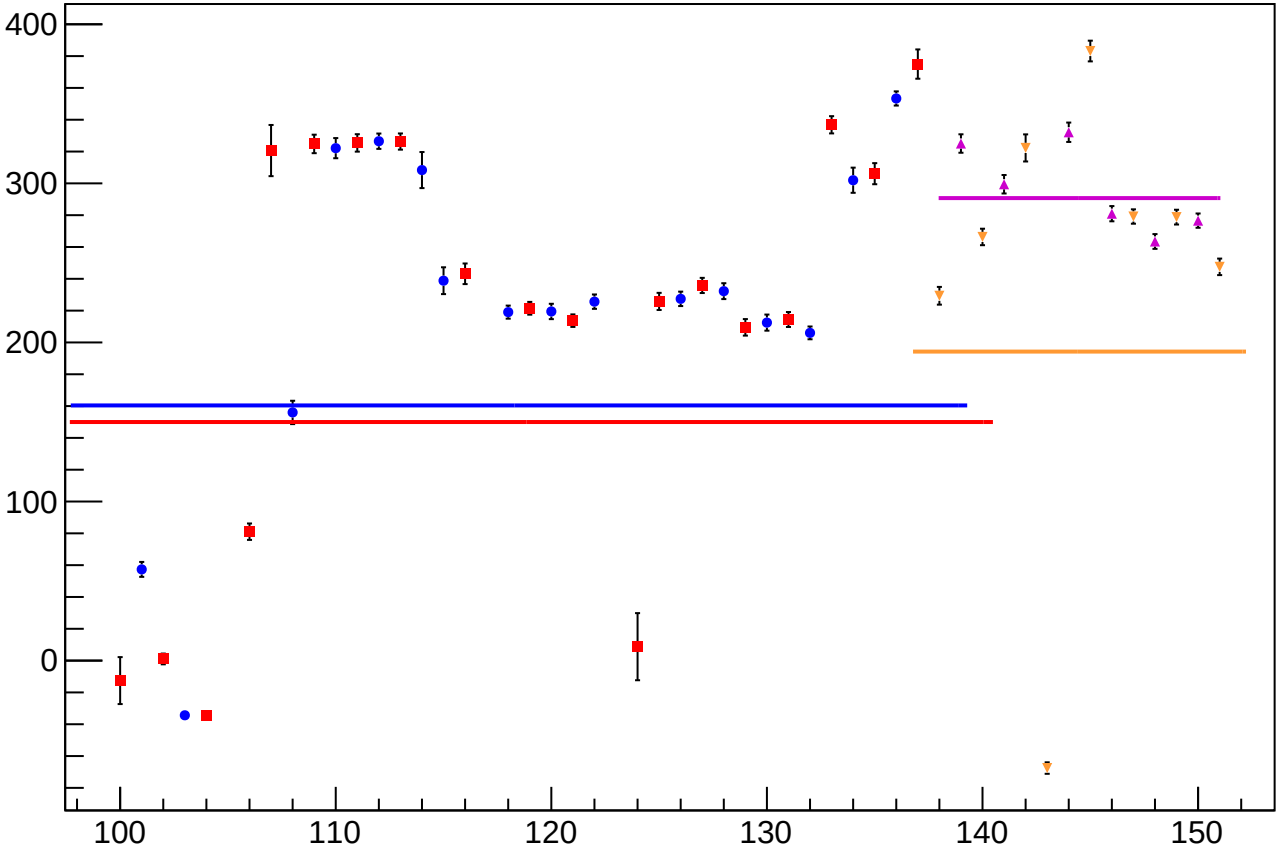
Left In: 22.217+/-1.374 χ^2/NDF:35.0/5

+ sign 14.154+/-0.789 χ^2/NDF: 285.8/23

All: 14.713+/-0.571 χ^2/NDF: 480.8/48

- sign 15.327+/-0.827 χ^2/NDF: 194.0/24

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 194.256+/-1.779 χ^2/NDF:7350.7/7

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

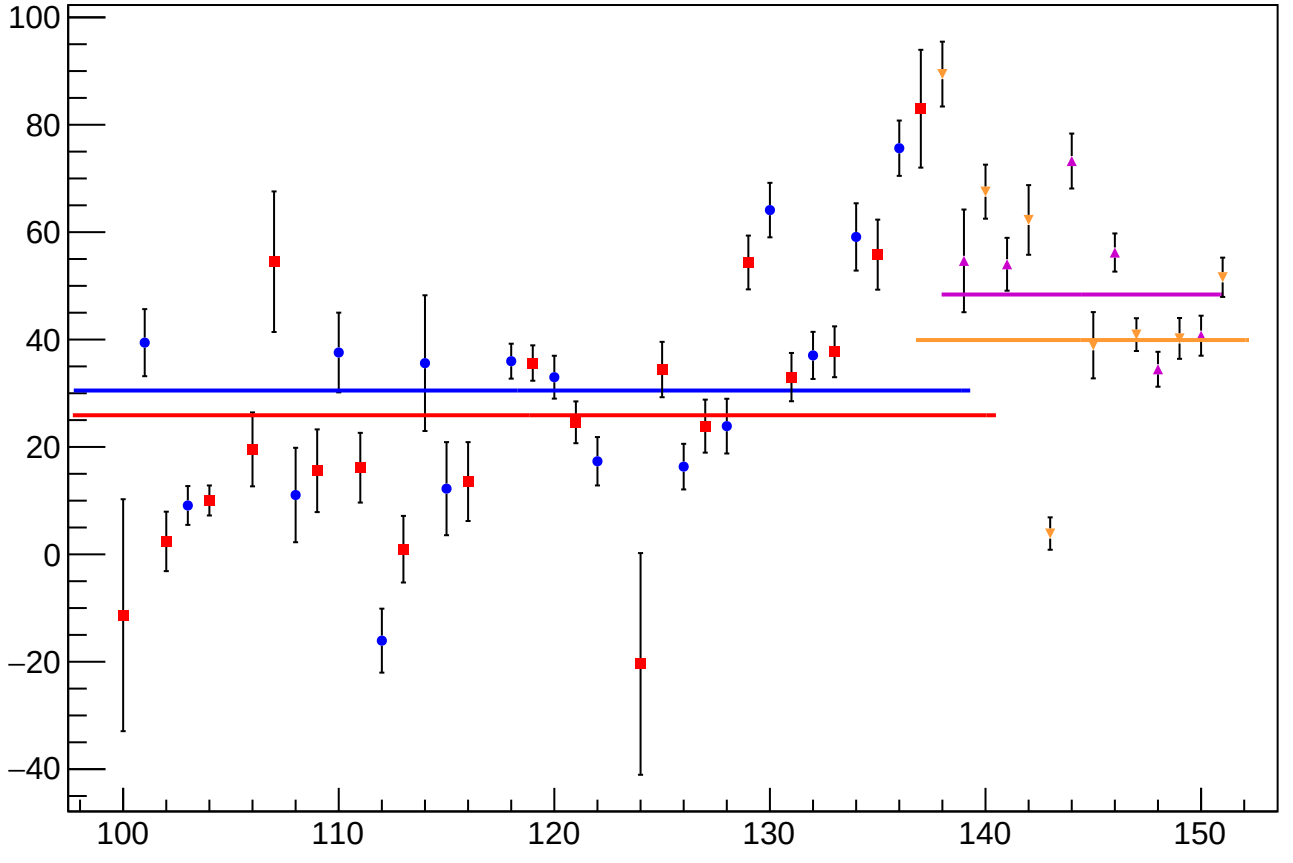
Left In: 290.737+/-2.103 χ^2/NDF:132.1/5

+ sign 170.249+/-0.959 χ^2/NDF: 21557.3/23

All: 175.264+/-0.685 χ^2/NDF: 41517.6/48

- sign 180.494+/-0.979 χ^2/NDF: 19904.5/24

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 39.910+/-1.446 χ^2/NDF:262.4/7

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

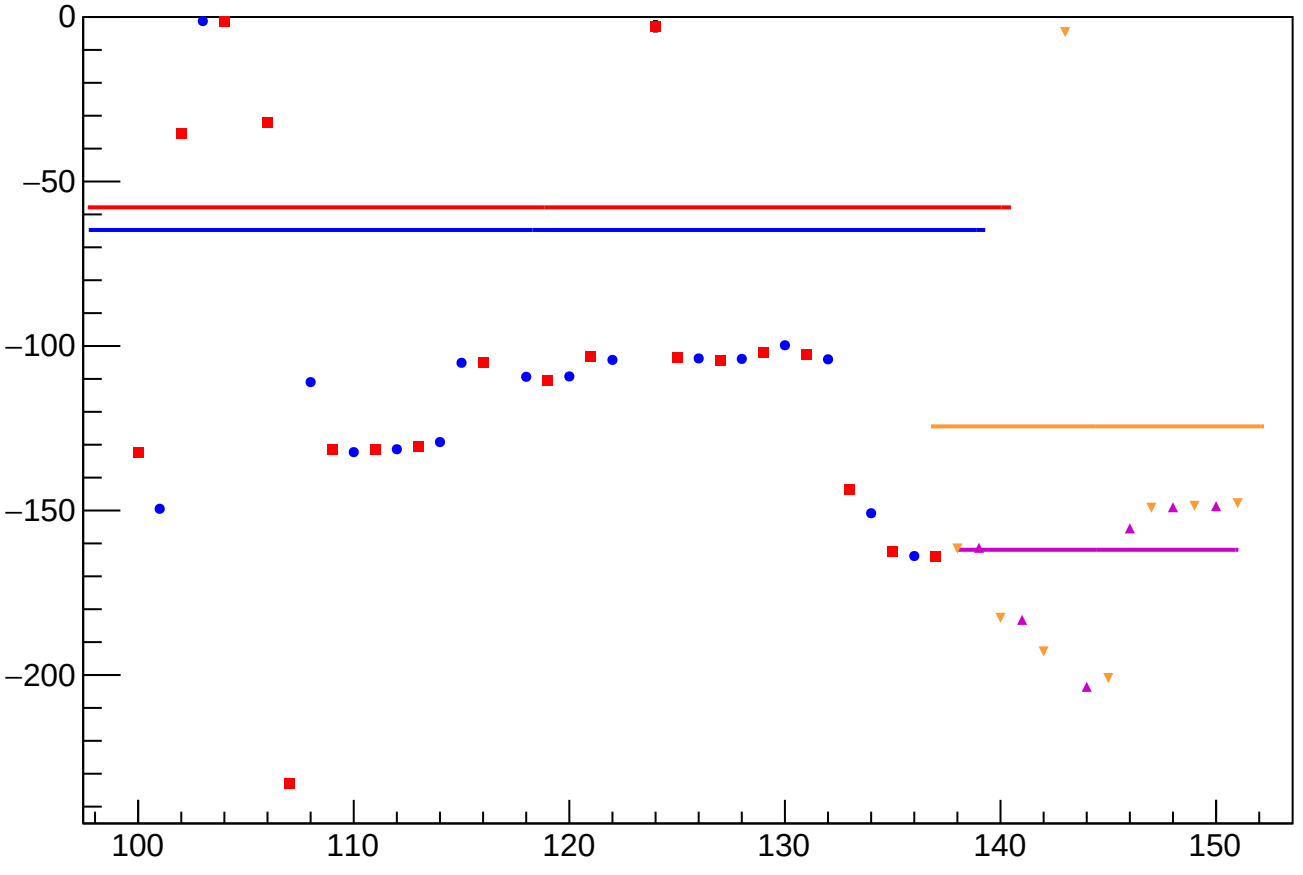
Left In: 48.388+/-1.724 χ^2/NDF:52.8/5

+ sign 34.545+/-0.948 χ^2/NDF: 563.4/23

All: 33.973+/-0.685 χ^2/NDF: 918.5/48

- sign 33.347+/-0.992 χ^2/NDF: 354.3/24

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -124.427+/-0.074 χ^2/NDF:900203.7/7

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

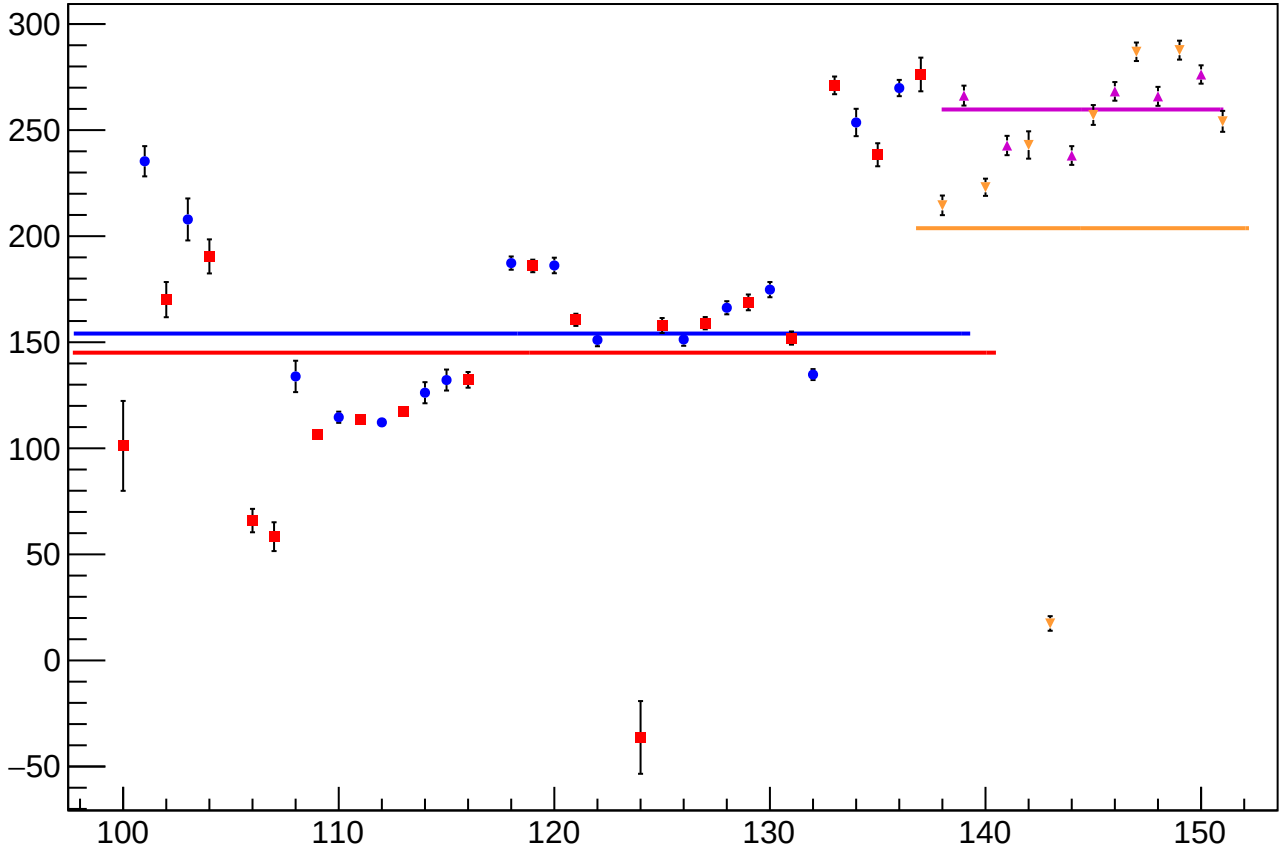
Left In: -161.934+/-0.086 χ^2/NDF:42297.3/5

\+ sign -90.056+/-0.048 χ^2/NDF: 2316253.2/23

All: -91.855+/-0.035 χ^2/NDF: 4205710.2/48

\- sign -93.797+/-0.050 χ^2/NDF: 1886584.3/24

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 203.761+/-1.571 χ^2/NDF:3941.4/7

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

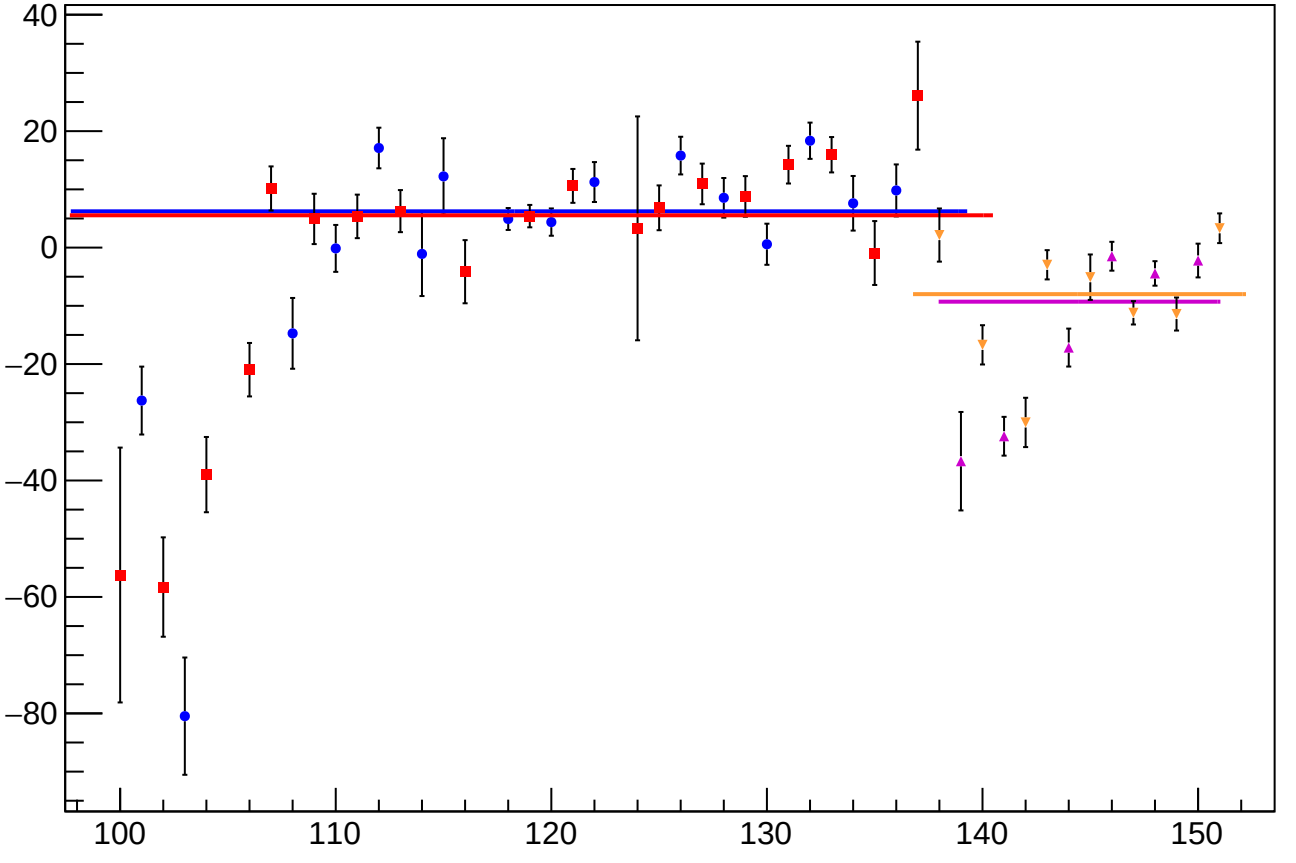
Left In: 259.719+/-1.826 χ^2/NDF:60.2/5

\+ sign 165.734+/-0.760 χ^2/NDF: 6987.7/23

All: 165.143+/-0.535 χ^2/NDF: 13280.4/48

\- sign 164.564+/-0.753 χ^2/NDF: 6291.5/24

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 6.229+/-0.890 χ^2/NDF: 162.1/15

Left Out: -7.993+/-1.030 χ^2/NDF:66.9/7

Right Out: 5.548+/-0.889 χ^2/NDF: 181.1/18

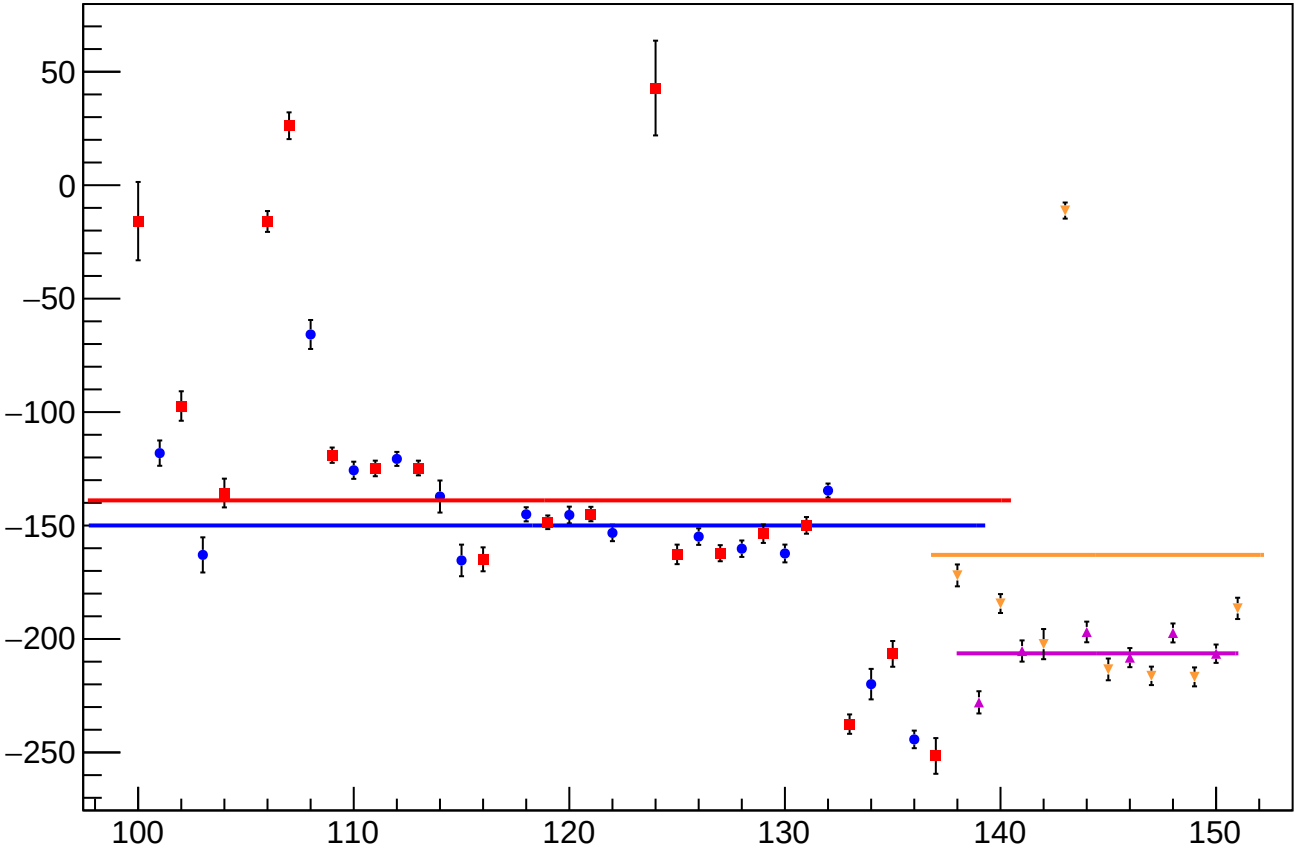
Left In: -9.289+/-1.190 χ^2/NDF:85.7/5

+ sign 0.151+/-0.674 χ^2/NDF: 338.1/23

All: 0.189+/-0.489 χ^2/NDF: 704.7/48

- sign 0.231+/-0.712 χ^2/NDF: 366.5/24

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -162.933+/-1.563 χ^2/NDF:2372.9/7

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

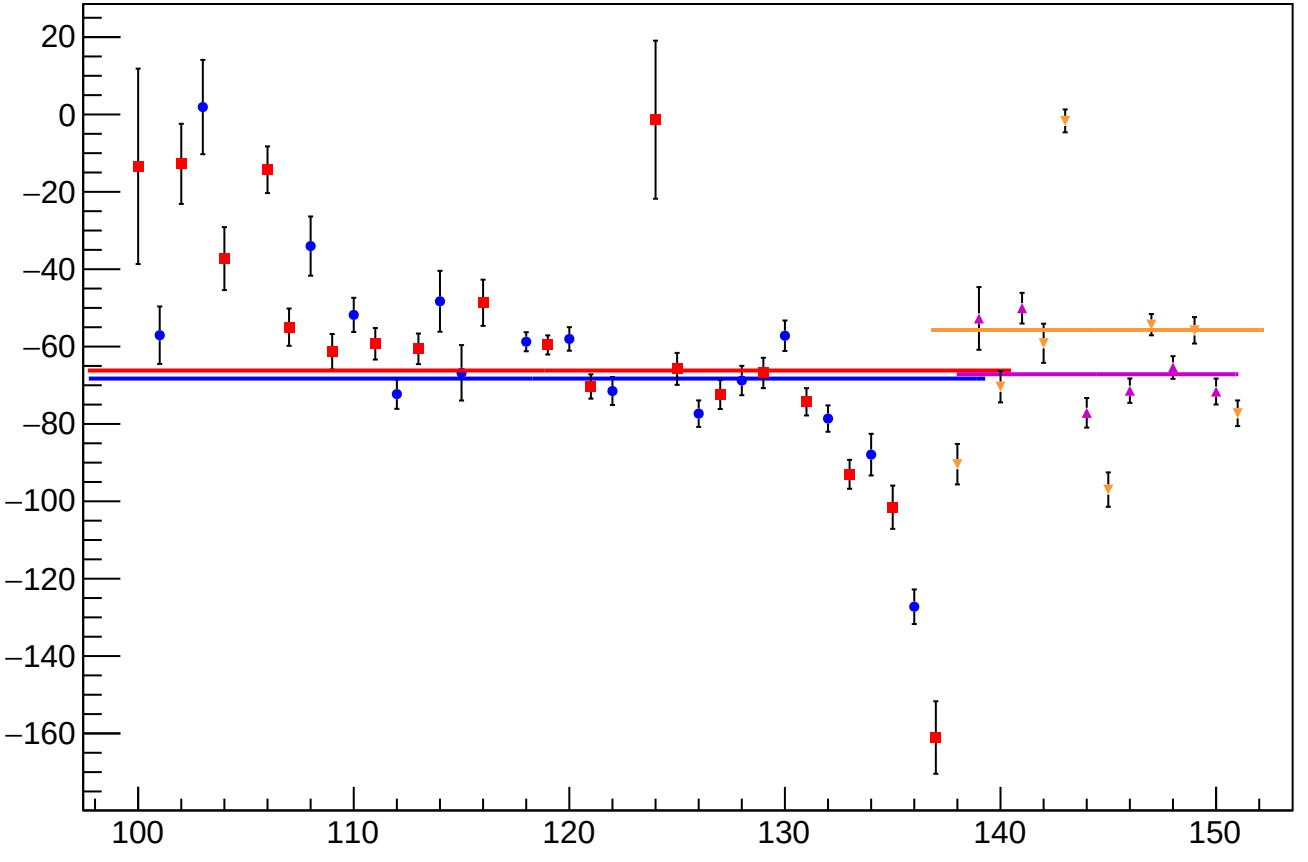
Left In: -206.329+/-1.794 χ^2/NDF:28.6/5

+ sign -153.872+/-0.857 χ^2/NDF: 3520.5/23

All: -154.297+/-0.610 χ^2/NDF: 7381.3/48

- sign -154.734+/-0.869 χ^2/NDF: 3860.3/24

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -55.711+/-1.281 χ^2/NDF:519.0/7

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

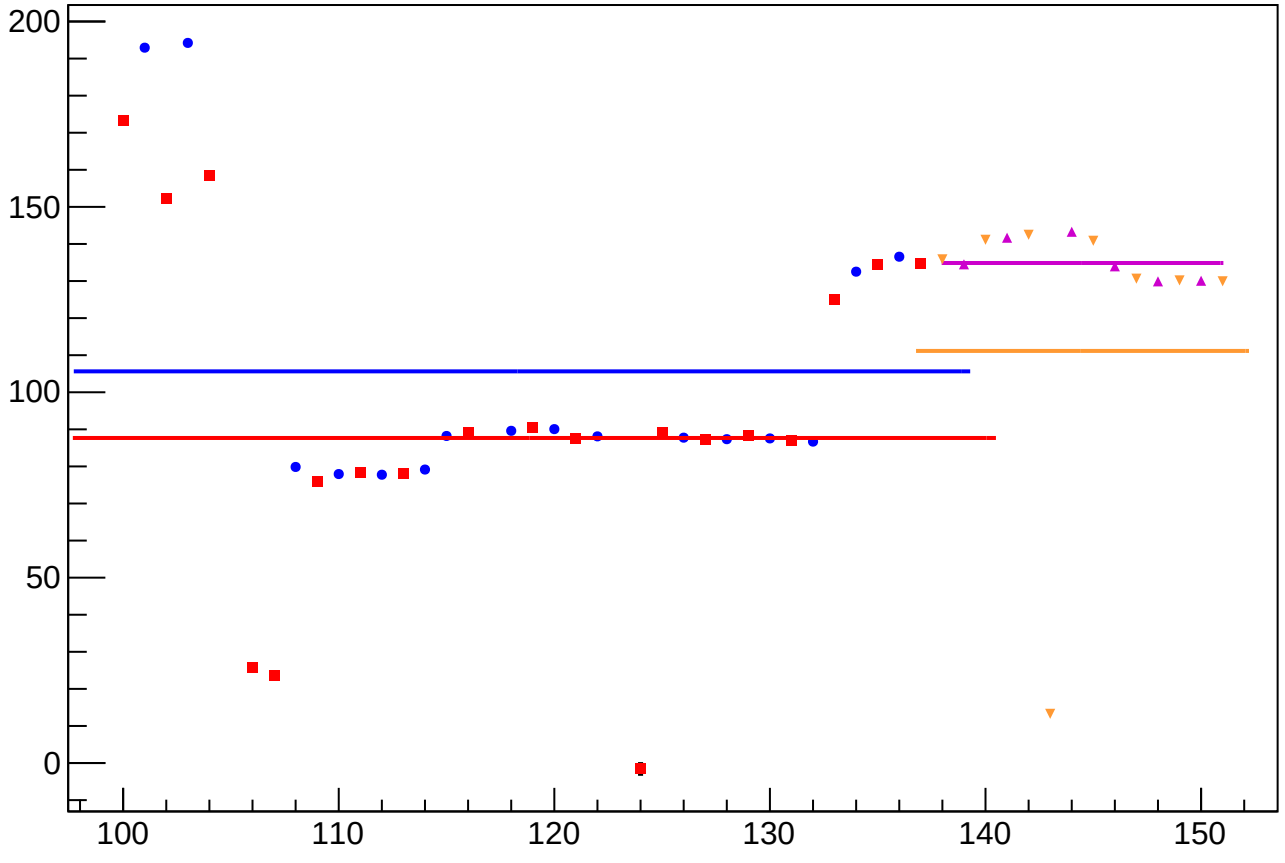
Left In: -67.147+/-1.485 χ^2/NDF:32.5/5

+ sign -63.319+/-0.804 χ^2/NDF: 892.6/23

All: -64.832+/-0.582 χ^2/NDF: 1291.2/48

- sign -66.495+/-0.843 χ^2/NDF: 391.1/24

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 111.151+/-0.065 χ^2/NDF:556350.7/7

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

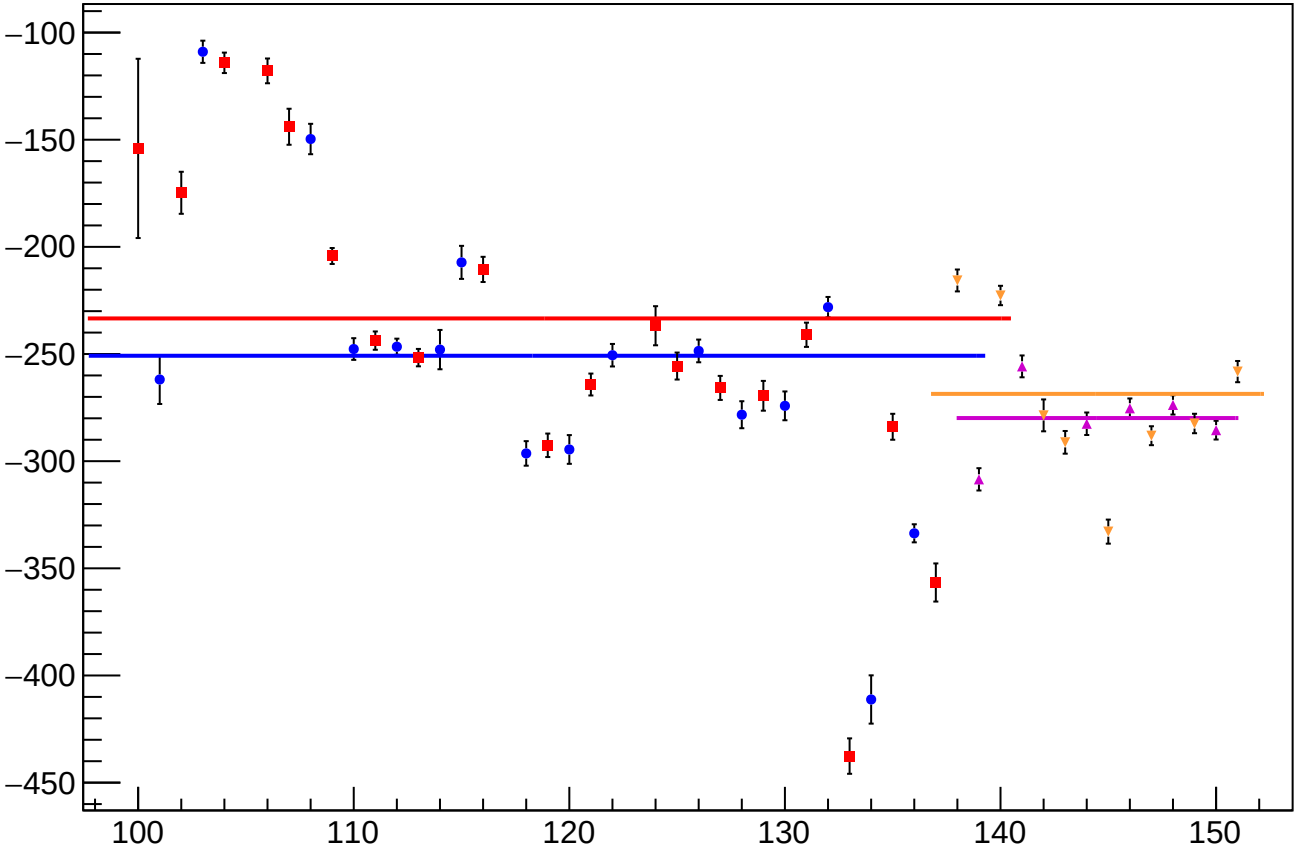
Left In: 134.867+/-0.073 χ^2/NDF:4721.7/5

+ sign 108.621+/-0.048 χ^2/NDF: 799239.8/23

All: 108.663+/-0.034 χ^2/NDF: 1408906.9/48

- sign 108.707+/-0.049 χ^2/NDF: 609665.5/24

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -268.603+/-1.786 χ^2/NDF:394.7/7

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

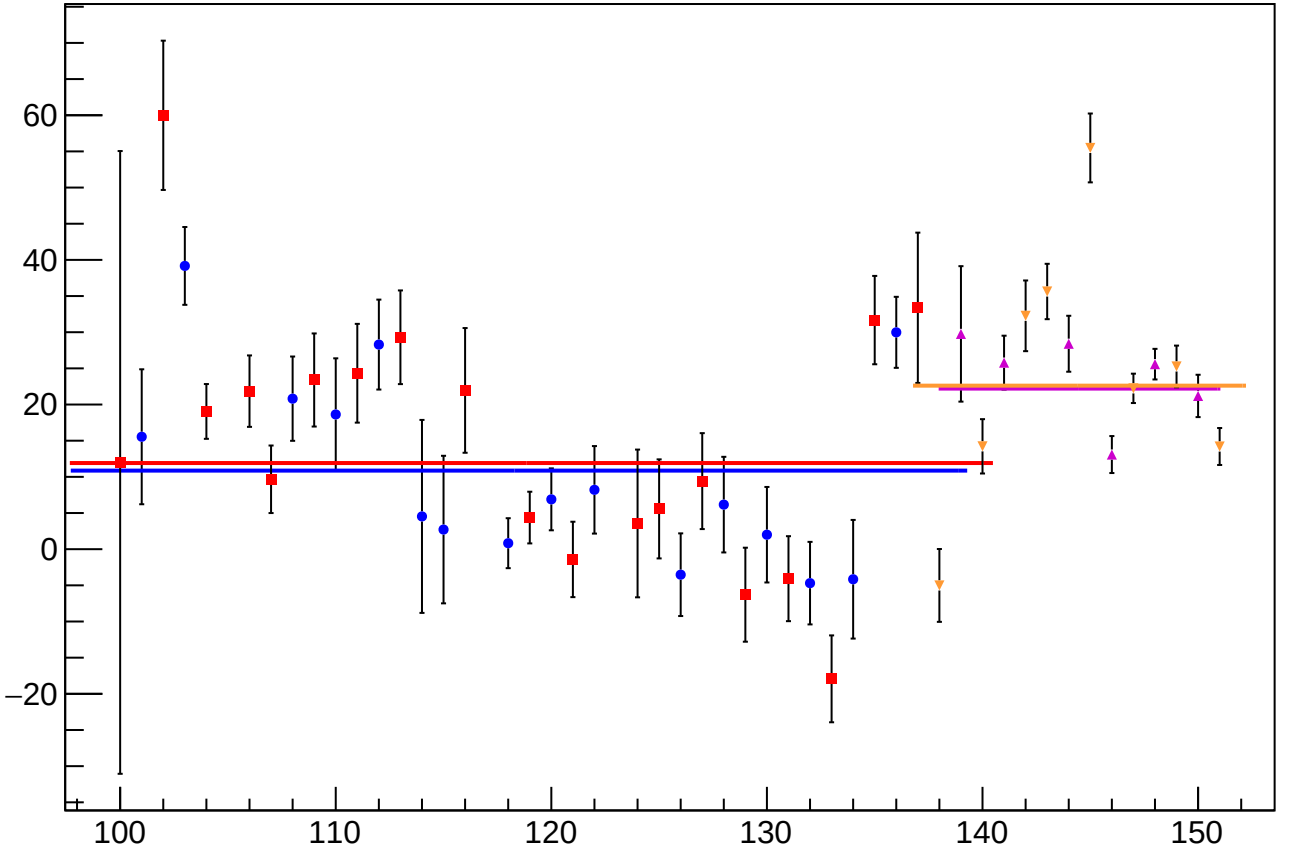
Left In: -279.878+/-1.957 χ^2/NDF:57.4/5

+ sign -257.808+/-1.120 χ^2/NDF: 2190.6/23

All: -252.891+/-0.786 χ^2/NDF: 5049.7/48

- sign -248.133+/-1.102 χ^2/NDF: 2821.2/24

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 22.610+/-1.132 χ^2/NDF:109.9/7

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

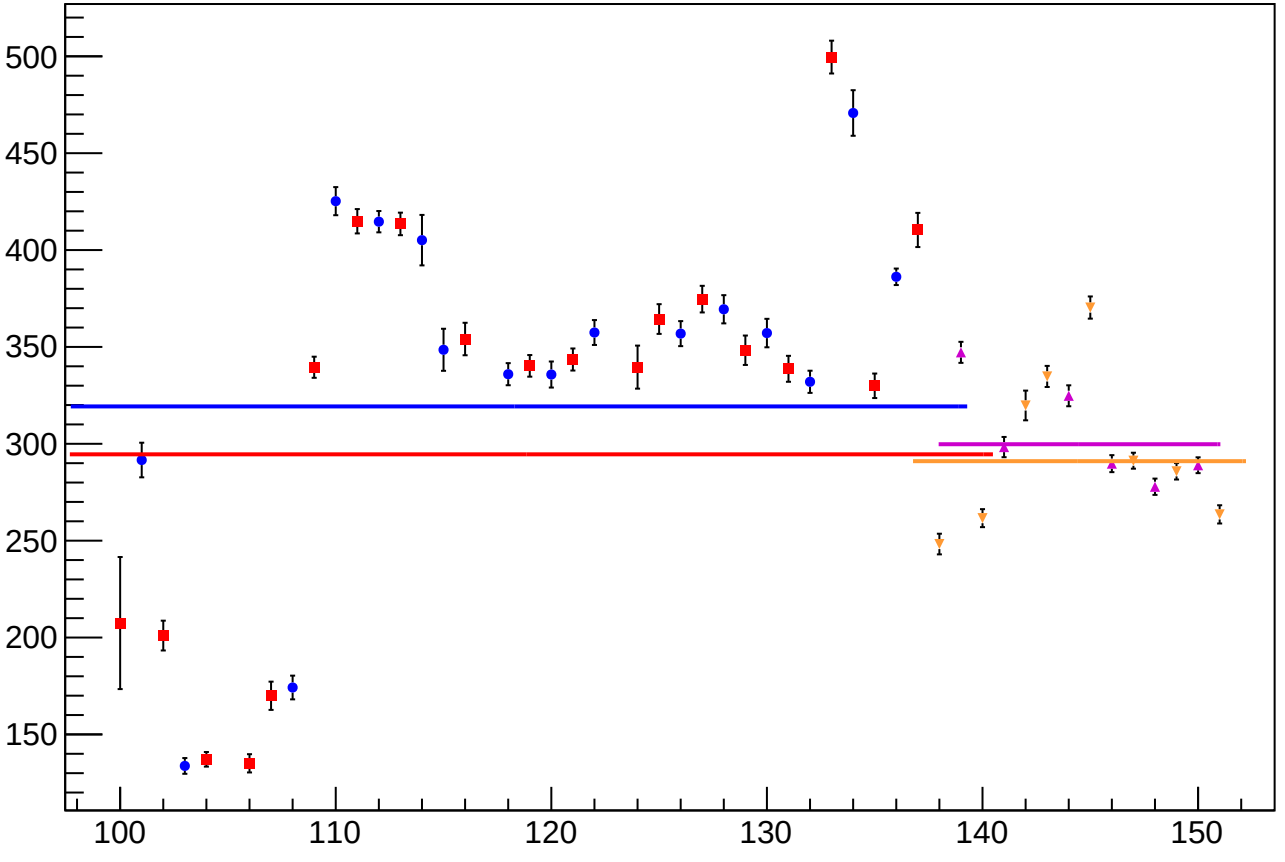
Left In: 22.204+/-1.246 χ^2/NDF:19.6/5

+ sign 18.241+/-0.897 χ^2/NDF: 234.7/23

All: 17.897+/-0.643 χ^2/NDF: 397.4/48

- sign 17.534+/-0.921 χ^2/NDF: 162.4/24

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 291.034+/-1.761 χ^2/NDF:410.4/7

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

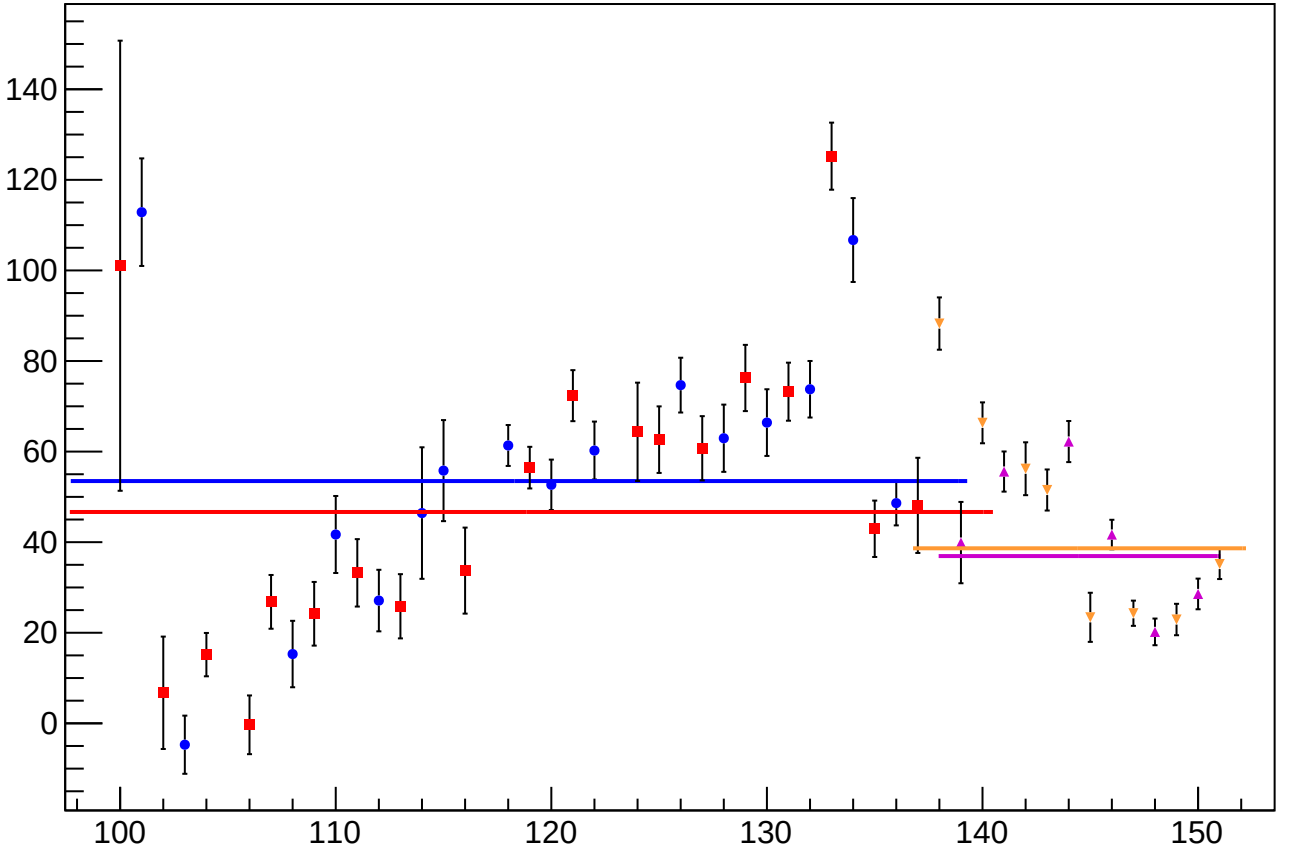
Left In: 299.780+/-1.913 χ^2/NDF:137.4/5

+ sign 306.635+/-1.178 χ^2/NDF: 4345.5/23

All: 301.547+/-0.831 χ^2/NDF: 10027.8/48

- sign 296.522+/-1.171 χ^2/NDF: 5645.3/24

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 38.647+/-1.423 χ^2/NDF:184.6/7

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

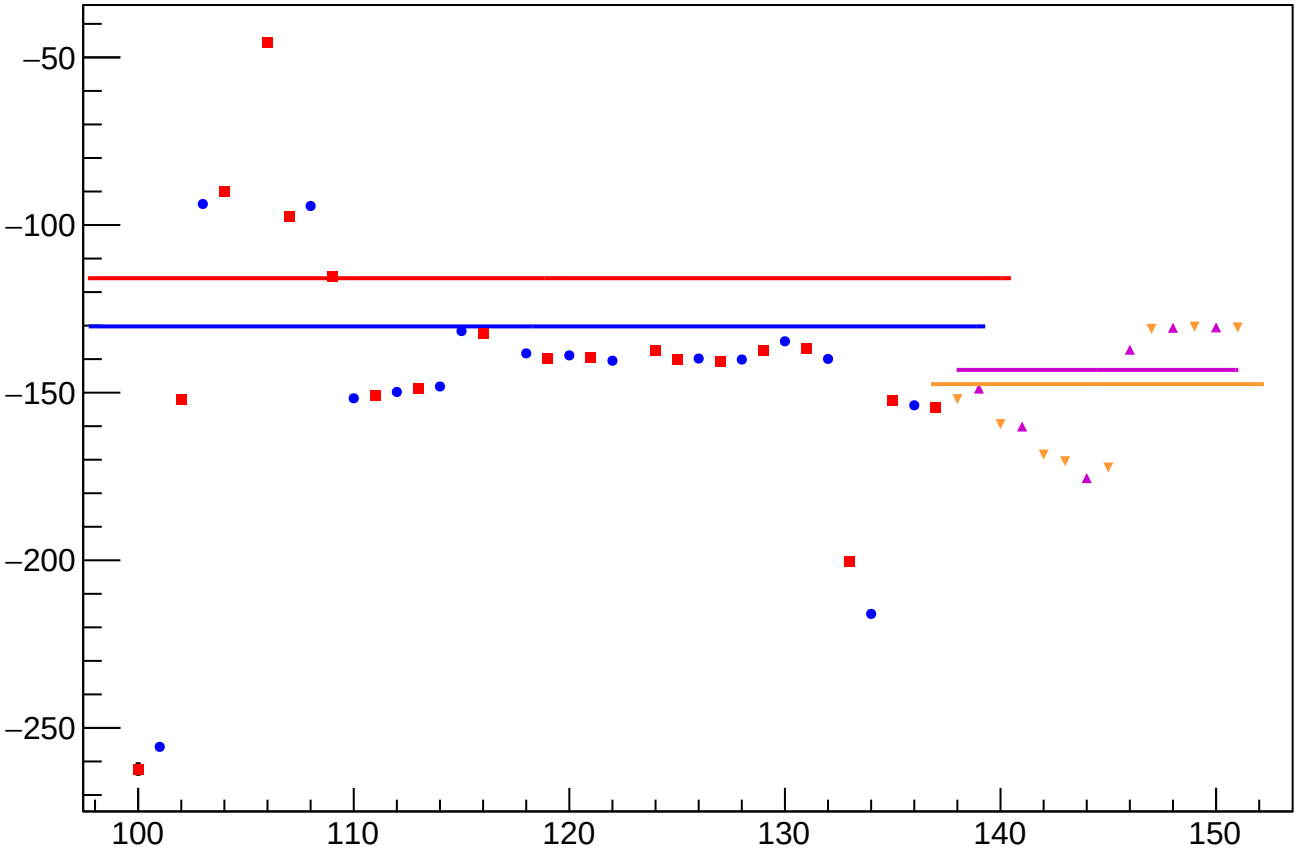
Left In: 36.932+/-1.564 χ^2/NDF:89.4/5

\+ sign 44.769+/-1.091 χ^2/NDF: 446.8/23

All: 43.275+/-0.780 χ^2/NDF: 884.7/48

\- sign 41.710+/-1.116 χ^2/NDF: 434.1/24

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -130.236+/-0.091 χ^2/NDF: 174208.5/15

Left Out: -147.453+/-0.074 χ^2/NDF:56103.1/7

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

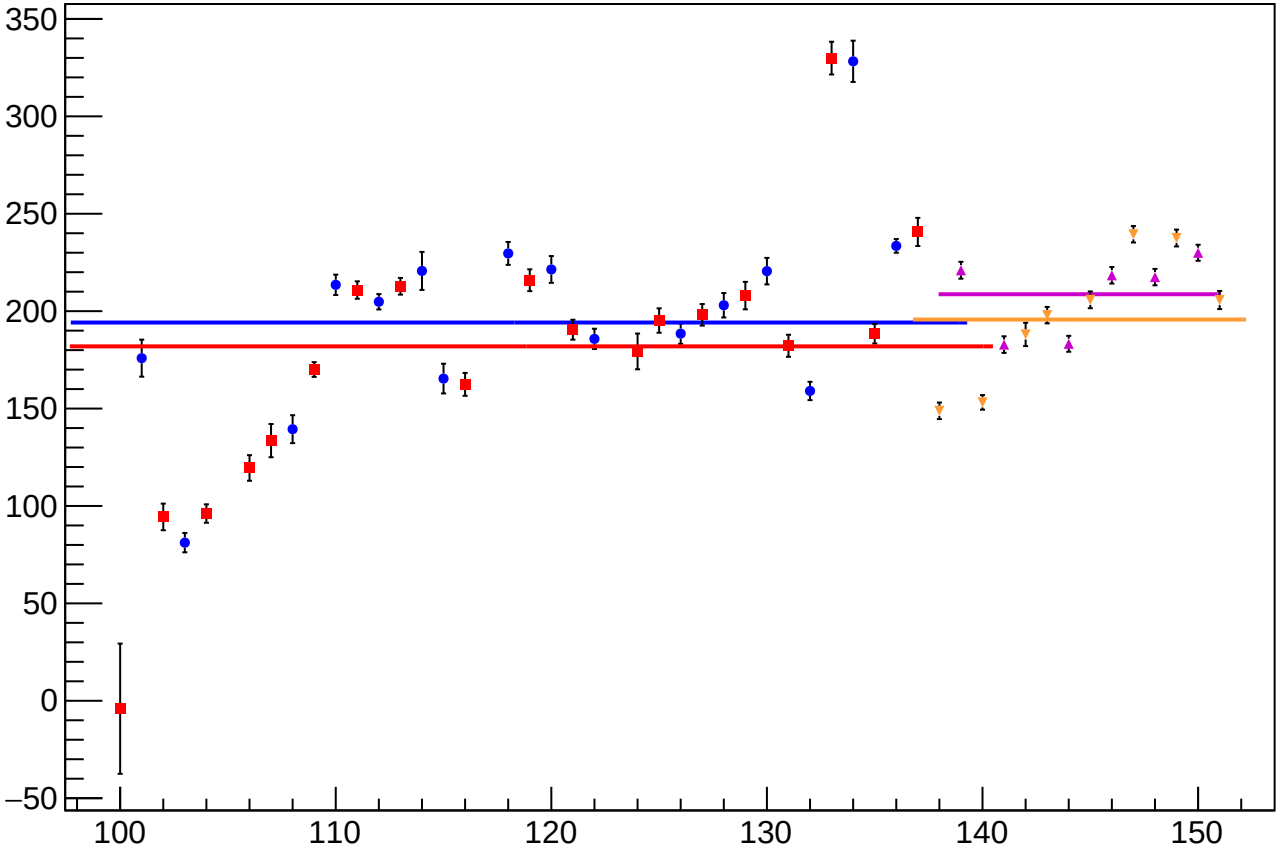
Left In: -143.202+/-0.078 χ^2/NDF:37133.5/5

+ sign -140.641+/-0.057 χ^2/NDF: 251906.6/23

All: -135.768+/-0.041 χ^2/NDF: 565186.2/48

- sign -130.830+/-0.058 χ^2/NDF: 298710.3/24

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 194.164+/-1.407 χ^2/NDF: 1035.2/15

Left Out: 195.700+/-1.541 χ^2/NDF:464.6/7

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

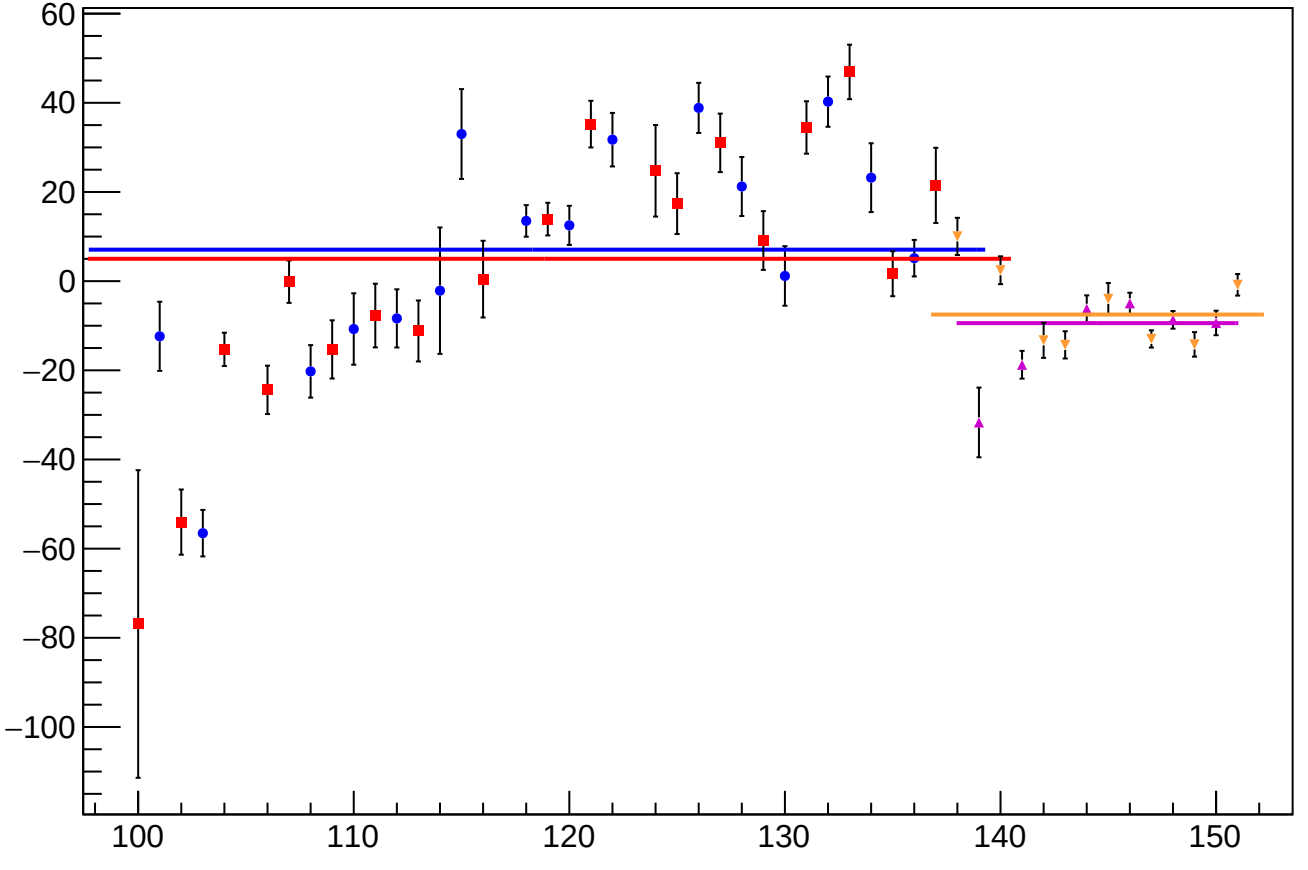
Left In: 208.690+/-1.716 χ^2/NDF:120.1/5

+ sign 194.862+/-1.039 χ^2/NDF: 1500.3/23

All: 193.389+/-0.738 χ^2/NDF: 2981.9/48

- sign 191.892+/-1.047 χ^2/NDF: 1477.5/24

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 7.066+/-1.443 χ^2/NDF: 292.6/15

Left Out: -7.492+/-1.009 χ^2/NDF:57.5/7

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

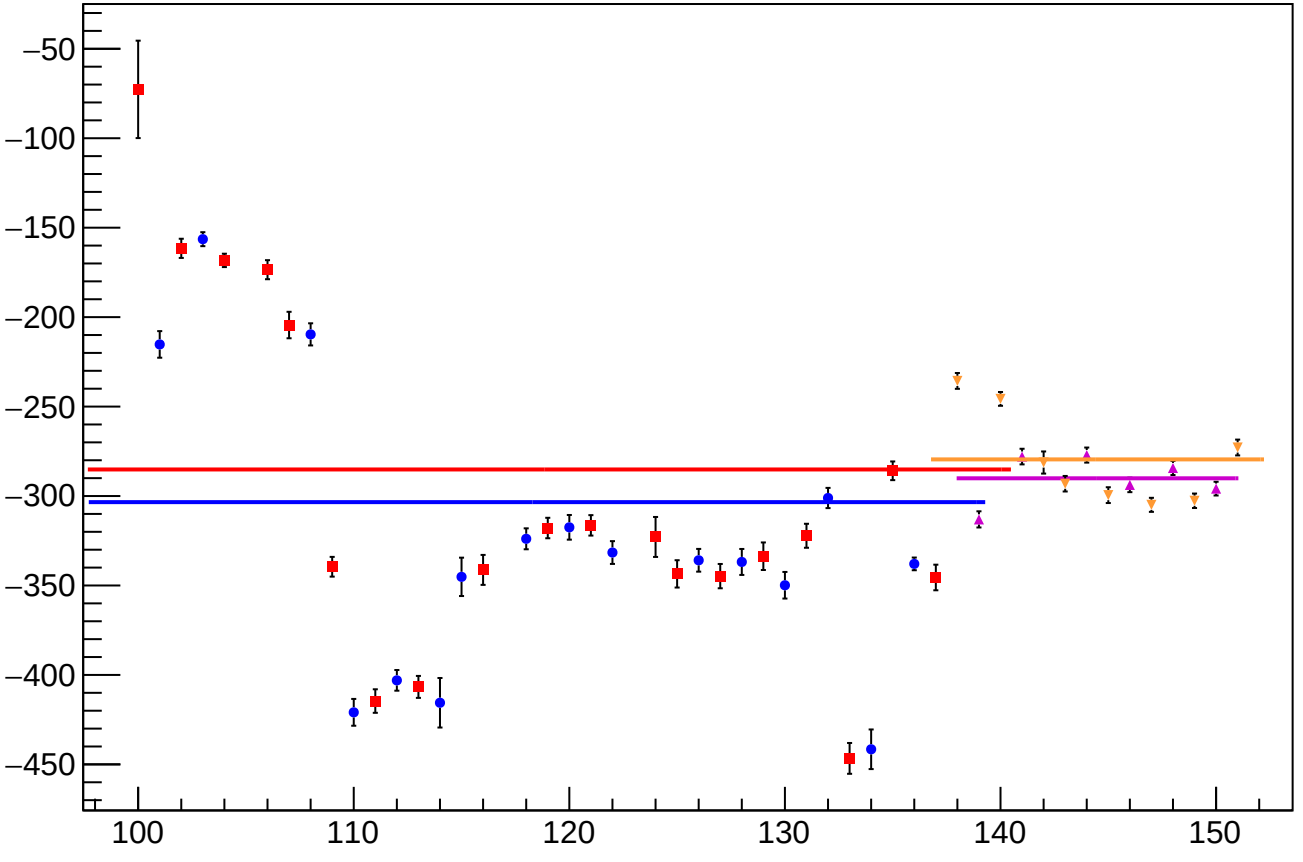
Left In: -9.417+/-1.124 χ^2/NDF:21.9/5

+ sign -2.709+/-0.827 χ^2/NDF: 418.4/23

All: -3.104+/-0.598 χ^2/NDF: 796.5/48

- sign -3.536+/-0.865 χ^2/NDF: 377.6/24

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -279.521+/-1.532 χ^2/NDF:282.6/7

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

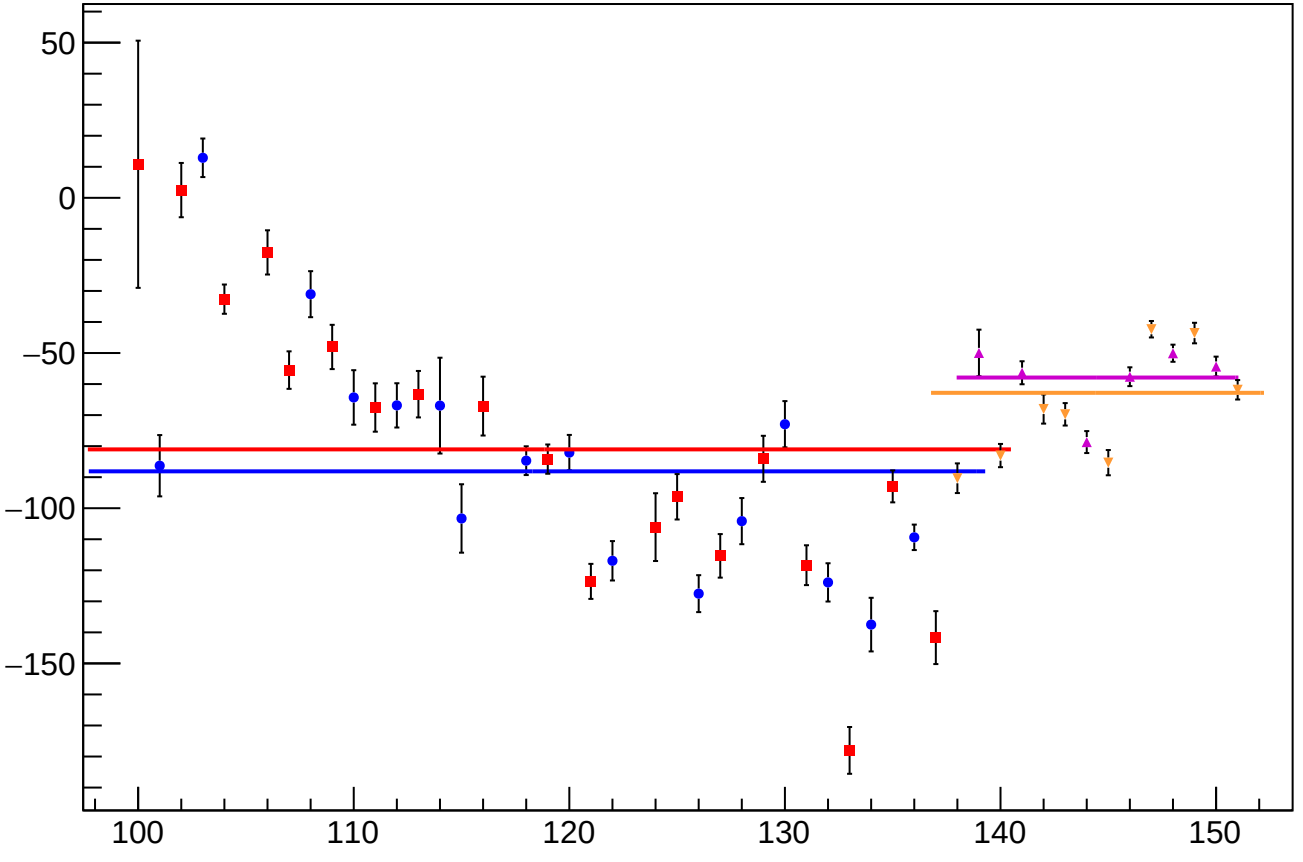
Left In: -290.086+/-1.688 χ^2/NDF:48.3/5

+ sign -291.477+/-1.082 χ^2/NDF: 3189.8/23

All: -289.396+/-0.772 χ^2/NDF: 7005.4/48

- sign -287.245+/-1.100 χ^2/NDF: 3808.1/24

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -62.824+/-1.258 χ^2/NDF:191.3/7

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

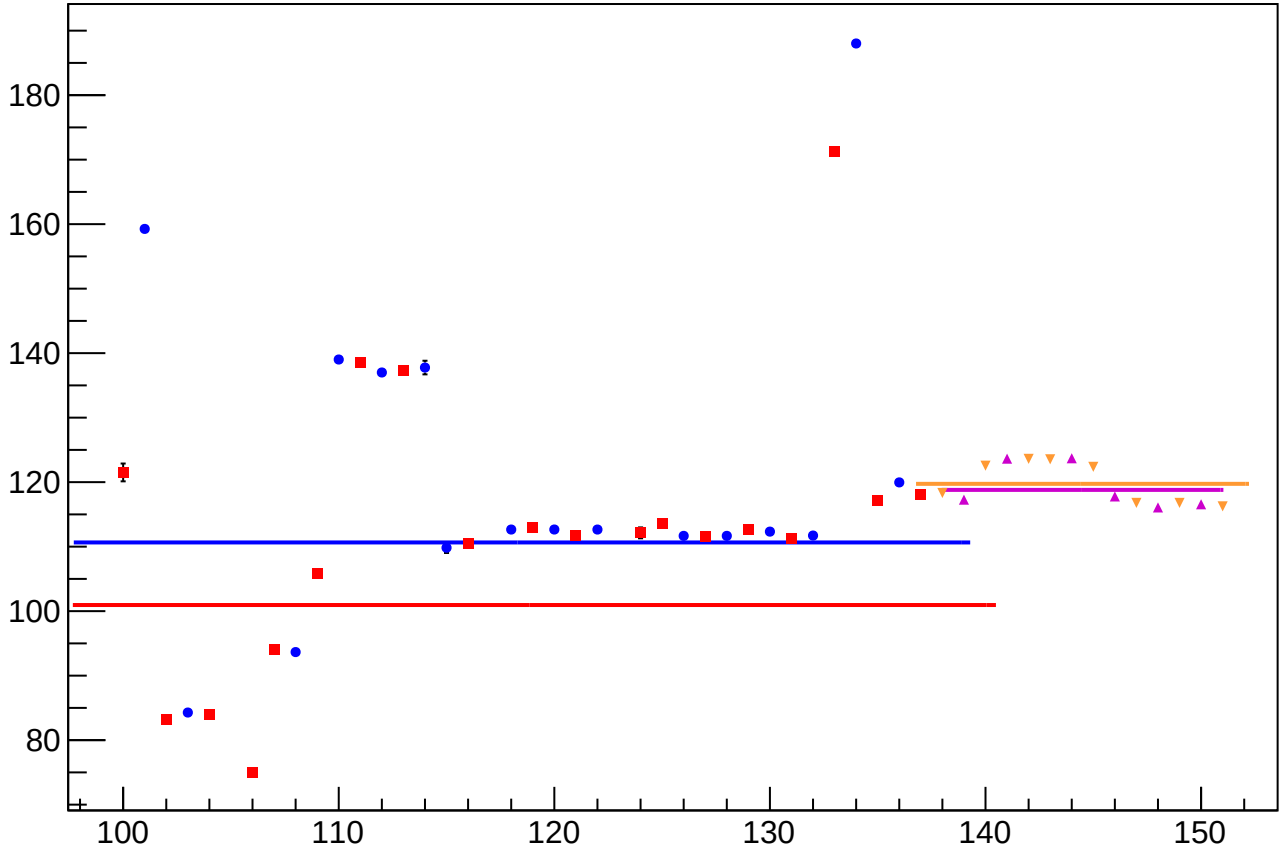
Left In: -57.900+/-1.401 χ^2/NDF:45.1/5

+ sign -72.083+/-1.001 χ^2/NDF: 851.3/23

All: -70.210+/-0.723 χ^2/NDF: 1702.4/48

- sign -68.170+/-1.045 χ^2/NDF: 843.8/24

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 119.738+/-0.064 χ^2/NDF:2222.5/7

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

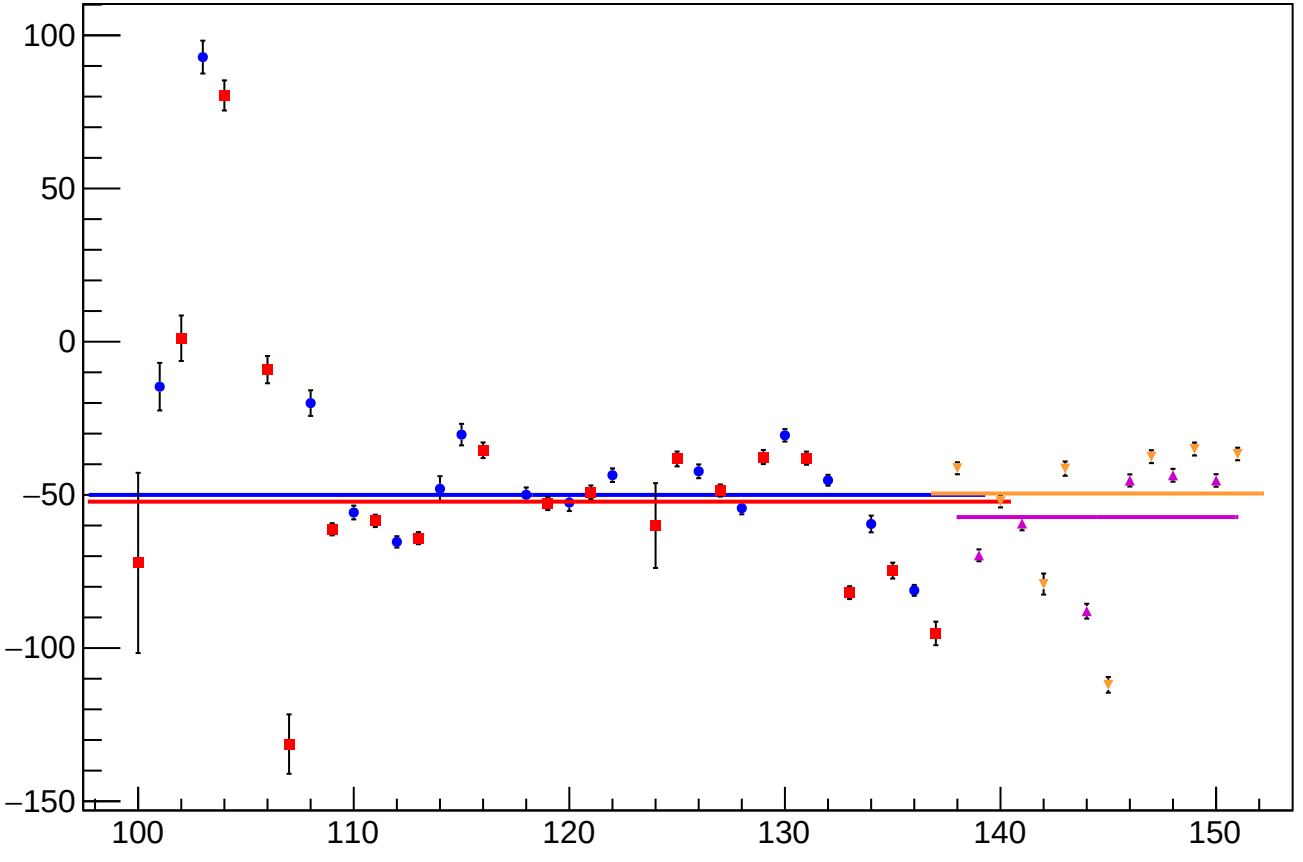
Left In: 118.798+/-0.069 χ^2/NDF:2030.0/5

+ sign 116.493+/-0.051 χ^2/NDF: 92952.0/23

All: 113.961+/-0.037 χ^2/NDF: 190187.3/48

- sign 111.313+/-0.052 χ^2/NDF: 92248.3/24

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -49.549+/-0.787 χ^2/NDF:813.0/7

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

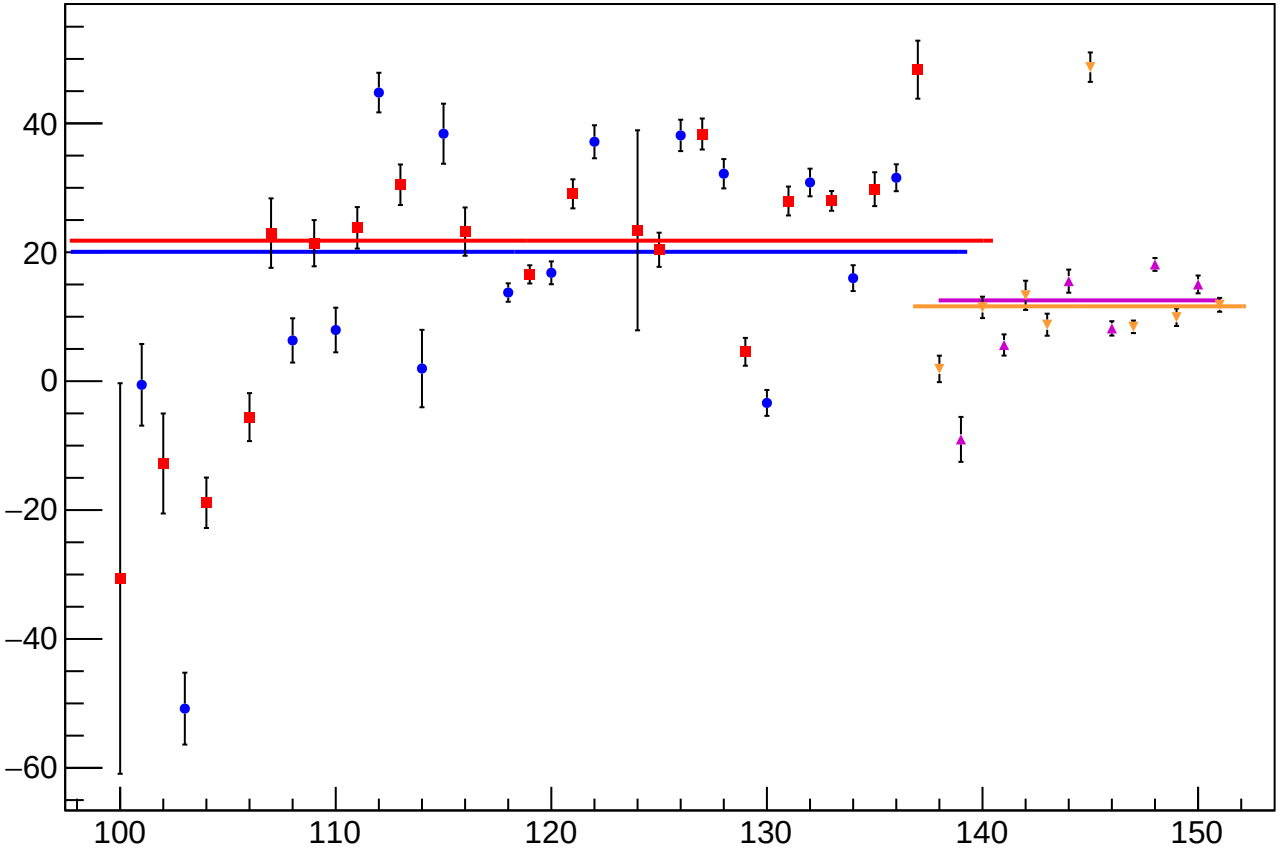
Left In: -57.246+/-0.861 χ^2/NDF:313.4/5

\+ sign -49.836+/-0.482 χ^2/NDF: 2140.6/23

All: -51.801+/-0.345 χ^2/NDF: 4081.4/48

\- sign -53.872+/-0.495 χ^2/NDF: 1906.7/24

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 11.613+/-0.513 χ^2/NDF:301.7/7

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

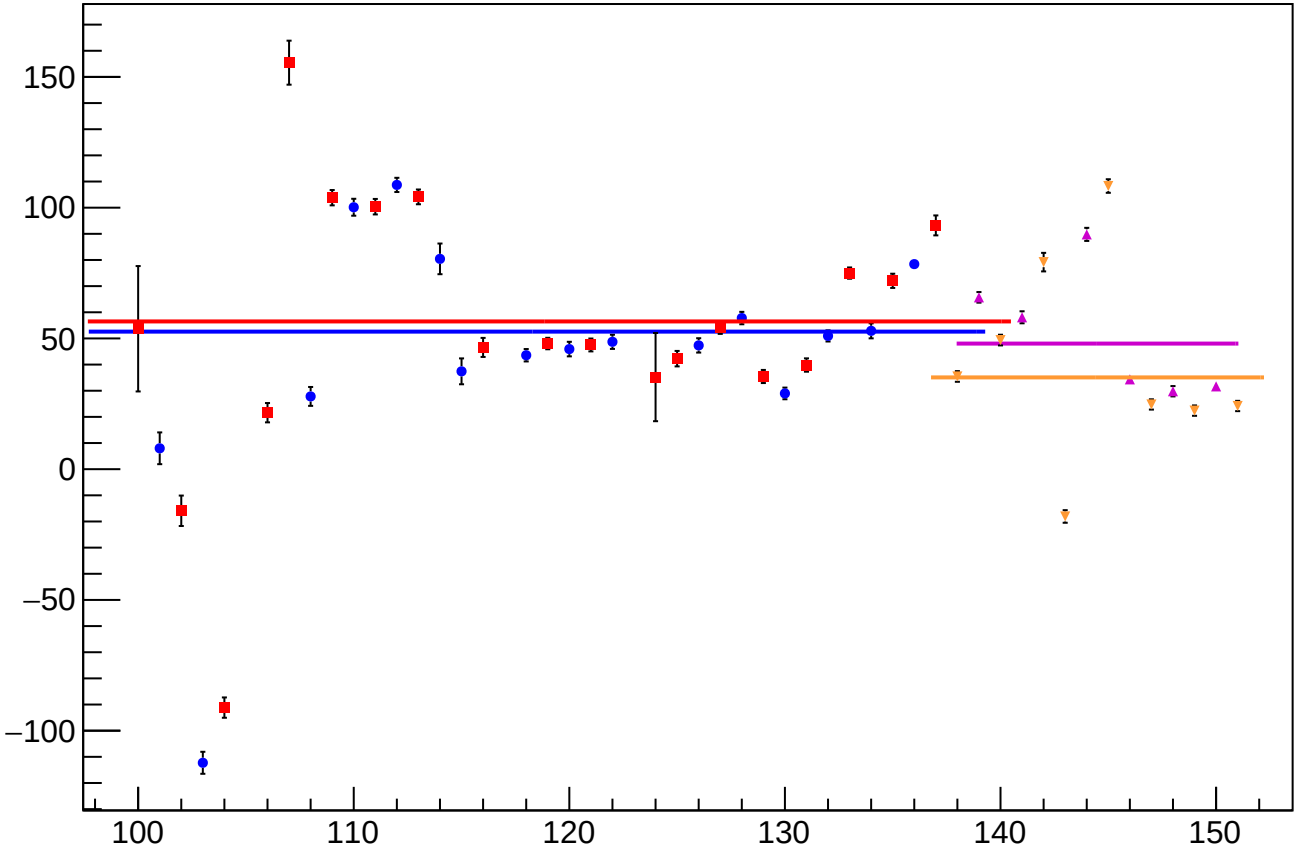
Left In: 12.539+/-0.569 χ^2/NDF:108.4/5

\+ sign 15.106+/-0.393 χ^2/NDF: 1050.1/23

All: 15.877+/-0.287 χ^2/NDF: 1683.8/48

\- sign 16.755+/-0.420 χ^2/NDF: 625.5/24

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 35.094+/-0.779 χ^2/NDF:1584.3/7

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

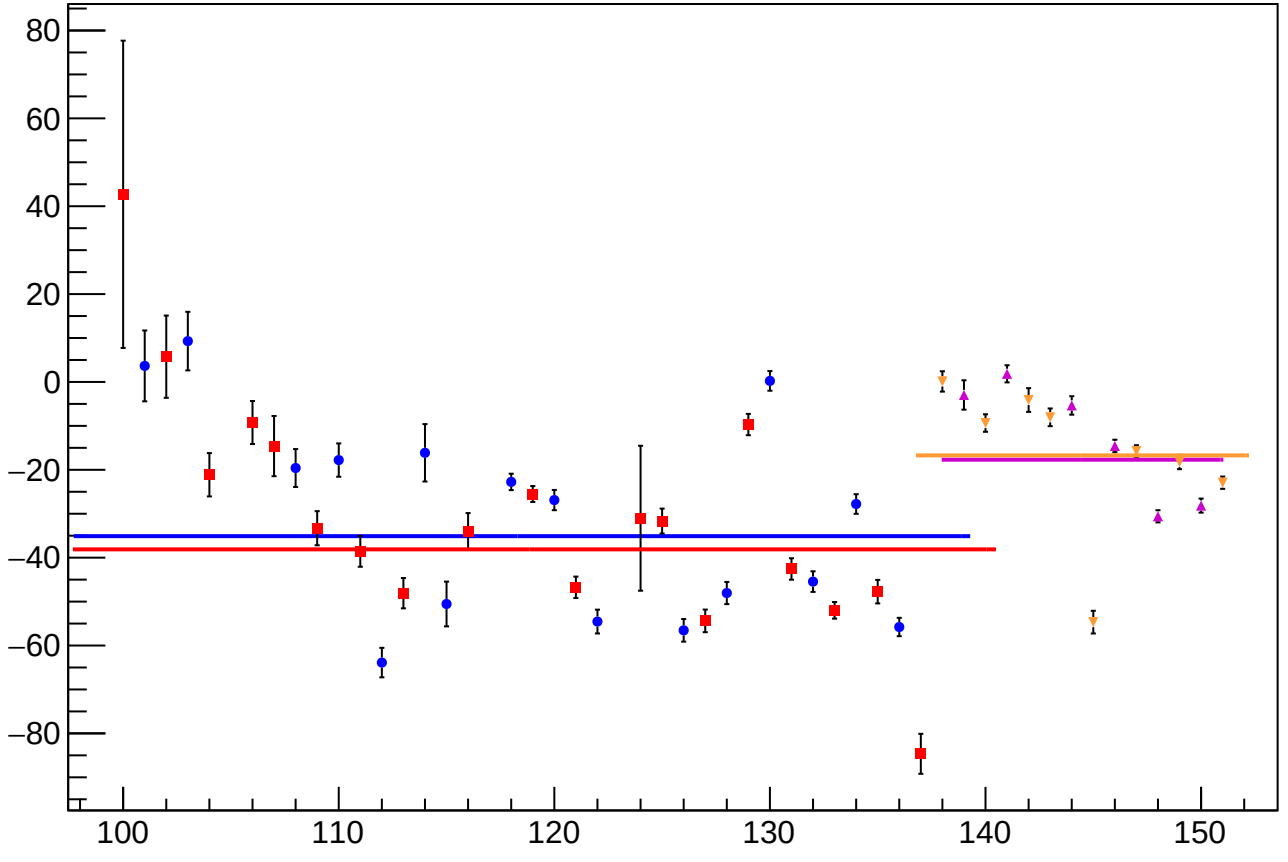
Left In: 48.028+/-0.846 χ^2/NDF:583.1/5

\+ sign 44.823+/-0.519 χ^2/NDF: 4524.7/23

All: 48.748+/-0.375 χ^2/NDF: 8252.0/48

\- sign 53.026+/-0.542 χ^2/NDF: 3607.7/24

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -35.104+/-0.700 χ^2/NDF: 773.2/15

Left Out: -16.720+/-0.642 χ^2/NDF:344.0/7

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

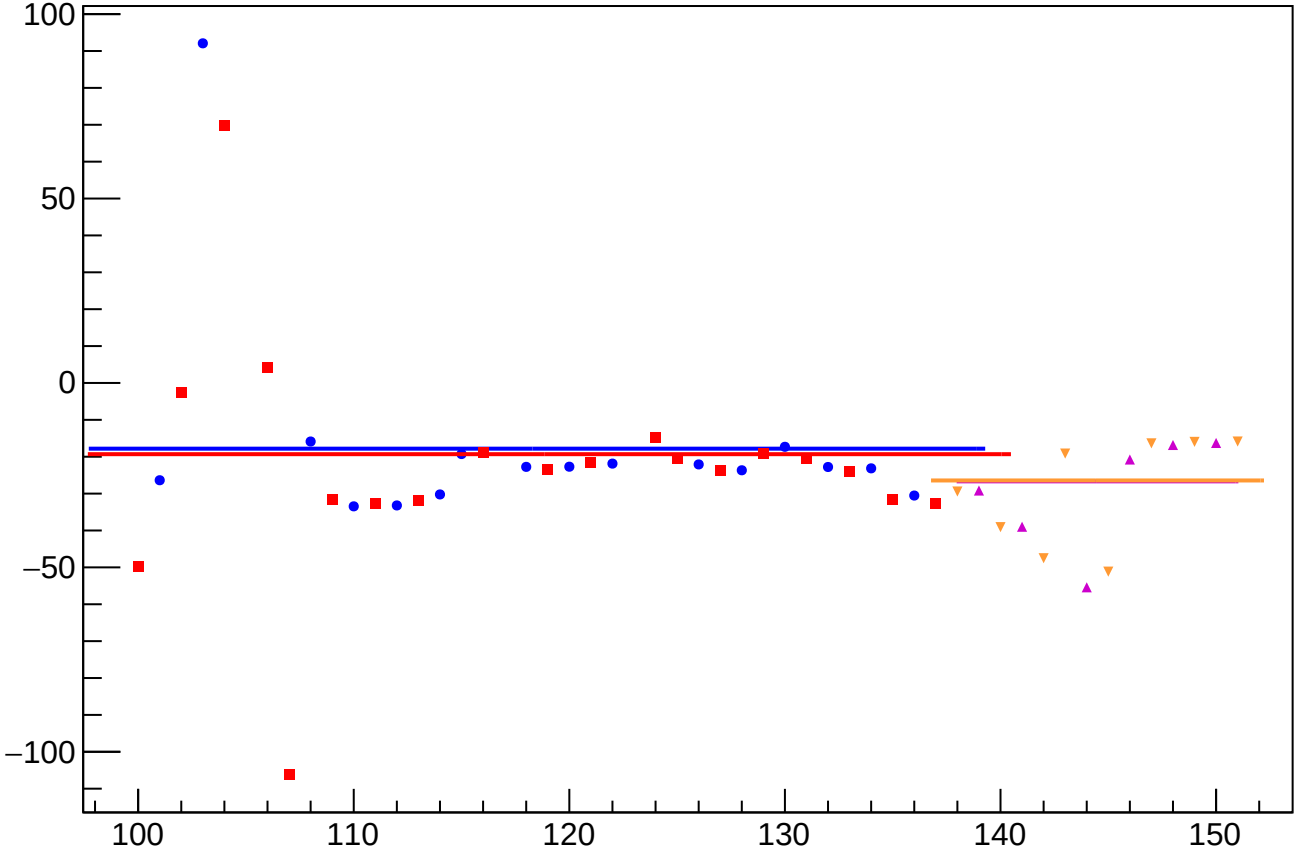
Left In: -17.698+/-0.710 χ^2/NDF:288.1/5

+ sign -25.118+/-0.473 χ^2/NDF: 1491.7/23

All: -26.399+/-0.345 χ^2/NDF: 2721.0/48

- sign -27.848+/-0.503 χ^2/NDF: 1213.6/24

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -26.437+/-0.032 χ^2/NDF:153721.3/7

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

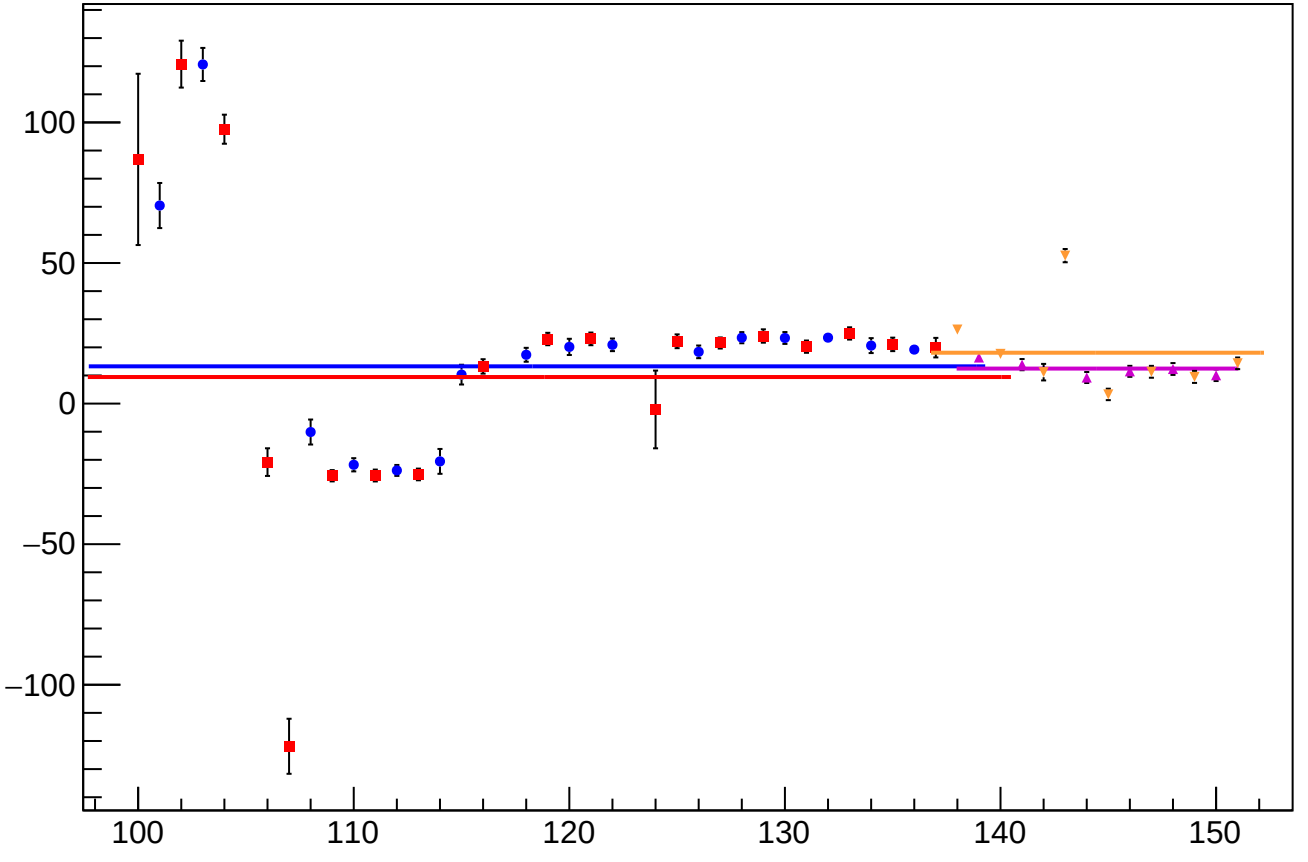
Left In: -26.679+/-0.034 χ^2/NDF:122178.9/5

\+ sign -23.362+/-0.026 χ^2/NDF: 605399.9/23

All: -23.693+/-0.019 χ^2/NDF: 1089059.2/48

\- sign -24.068+/-0.027 χ^2/NDF: 483308.1/24

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 18.094+/-0.735 χ^2/NDF:323.8/7

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

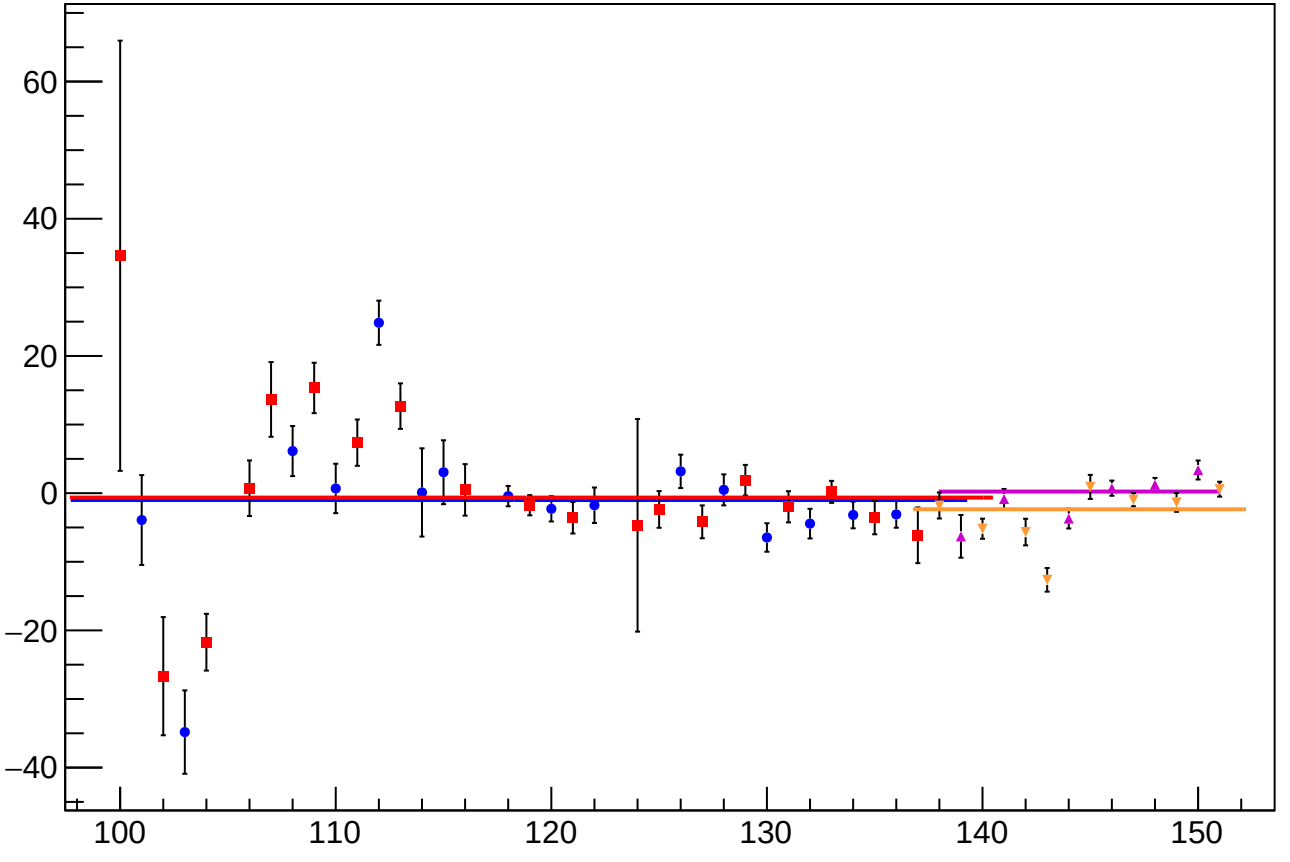
Left In: 12.453+/-0.797 χ^2/NDF:9.9/5

+ sign 15.244+/-0.471 χ^2/NDF: 1531.8/23

All: 12.983+/-0.339 χ^2/NDF: 3434.8/48

- sign 10.571+/-0.487 χ^2/NDF: 1855.5/24

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -2.343+/-0.493 χ^2/NDF:55.9/7

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

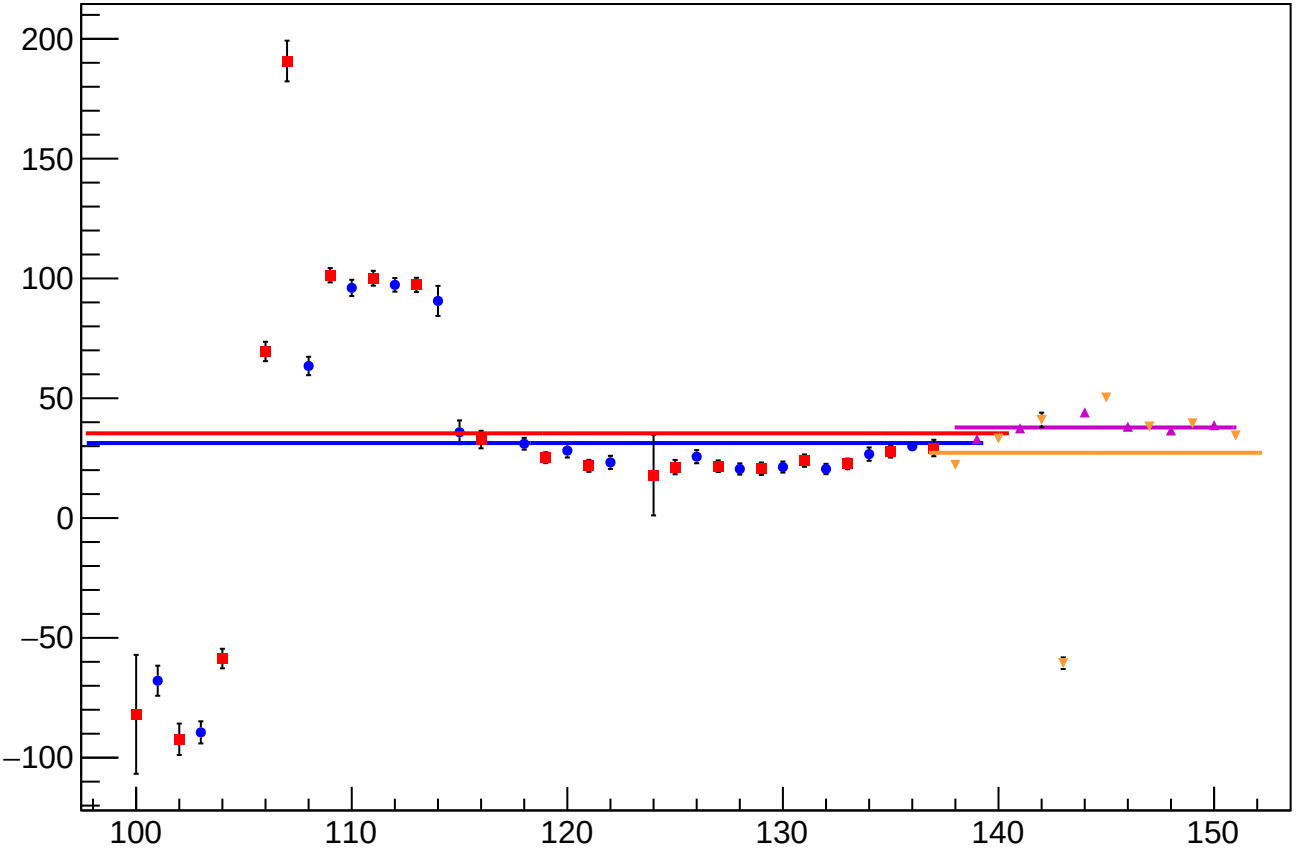
Left In: 0.232+/-0.543 χ^2/NDF:18.7/5

+ sign -1.819+/-0.386 χ^2/NDF: 175.1/23

All: -1.035+/-0.282 χ^2/NDF: 298.0/48

- sign -0.137+/-0.413 χ^2/NDF: 114.0/24

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 27.258+/-0.731 χ^2/NDF:1552.8/7

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

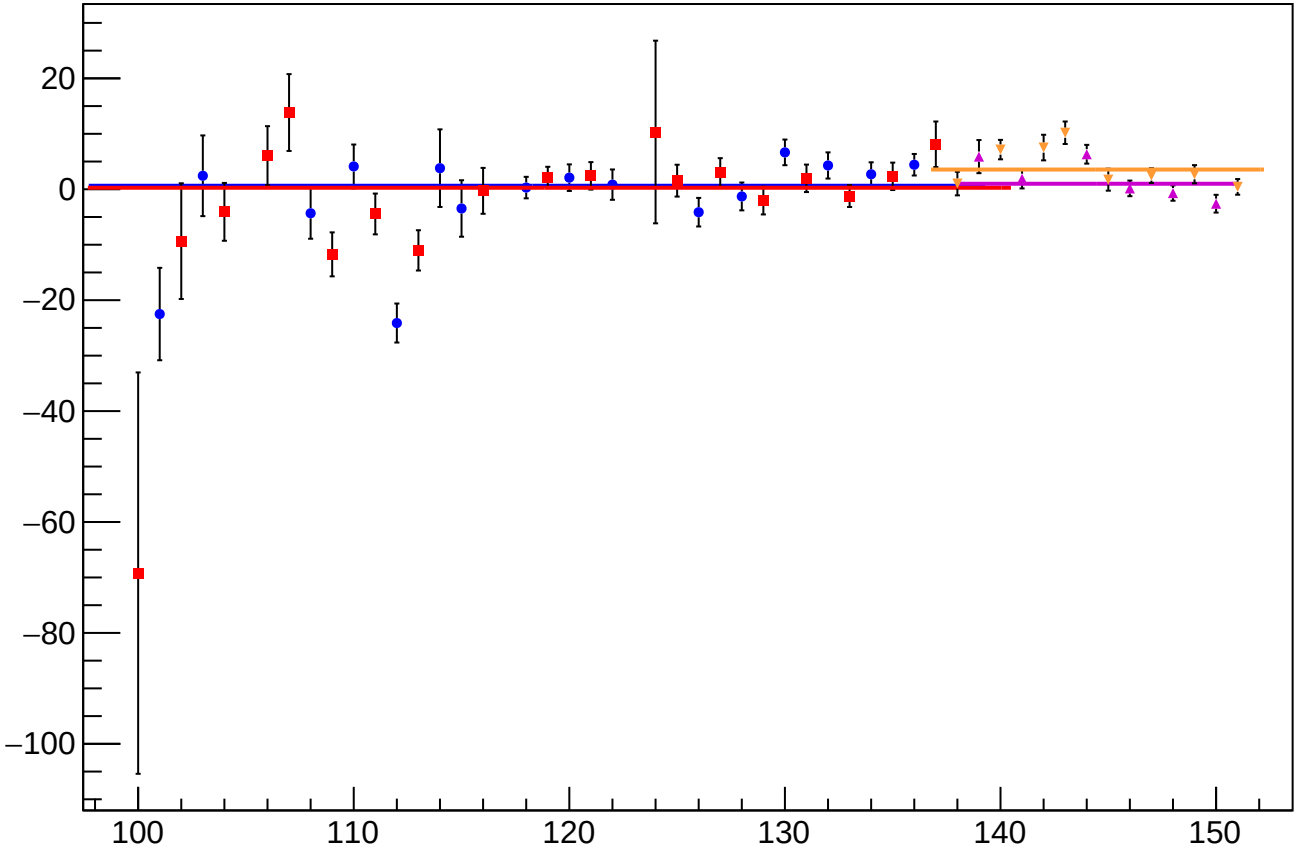
Left In: 37.814+/-0.788 χ^2/NDF:17.8/5

\+ sign 29.371+/-0.506 χ^2/NDF: 3654.7/23

All: 32.754+/-0.366 χ^2/NDF: 6669.4/48

\- sign 36.475+/-0.530 χ^2/NDF: 2920.7/24

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 3.559+/-0.612 χ^2/NDF:26.0/7

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

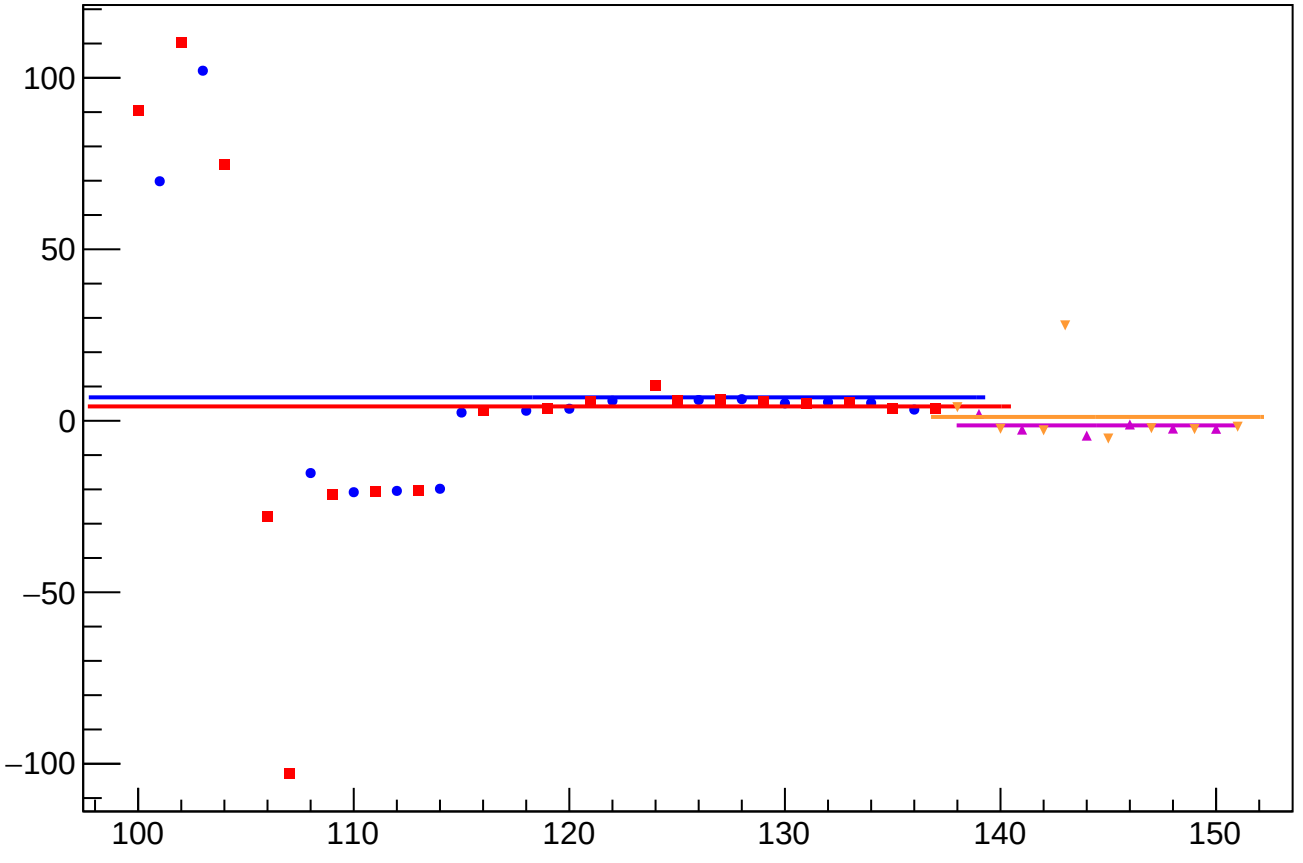
Left In: 0.995+/-0.672 χ^2/NDF:19.7/5

+ sign 2.300+/-0.462 χ^2/NDF: 114.2/23

All: 1.535+/-0.337 χ^2/NDF: 180.8/48

- sign 0.663+/-0.493 χ^2/NDF: 60.7/24

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: 1.126+/-0.030 χ^2/NDF:85023.9/7

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

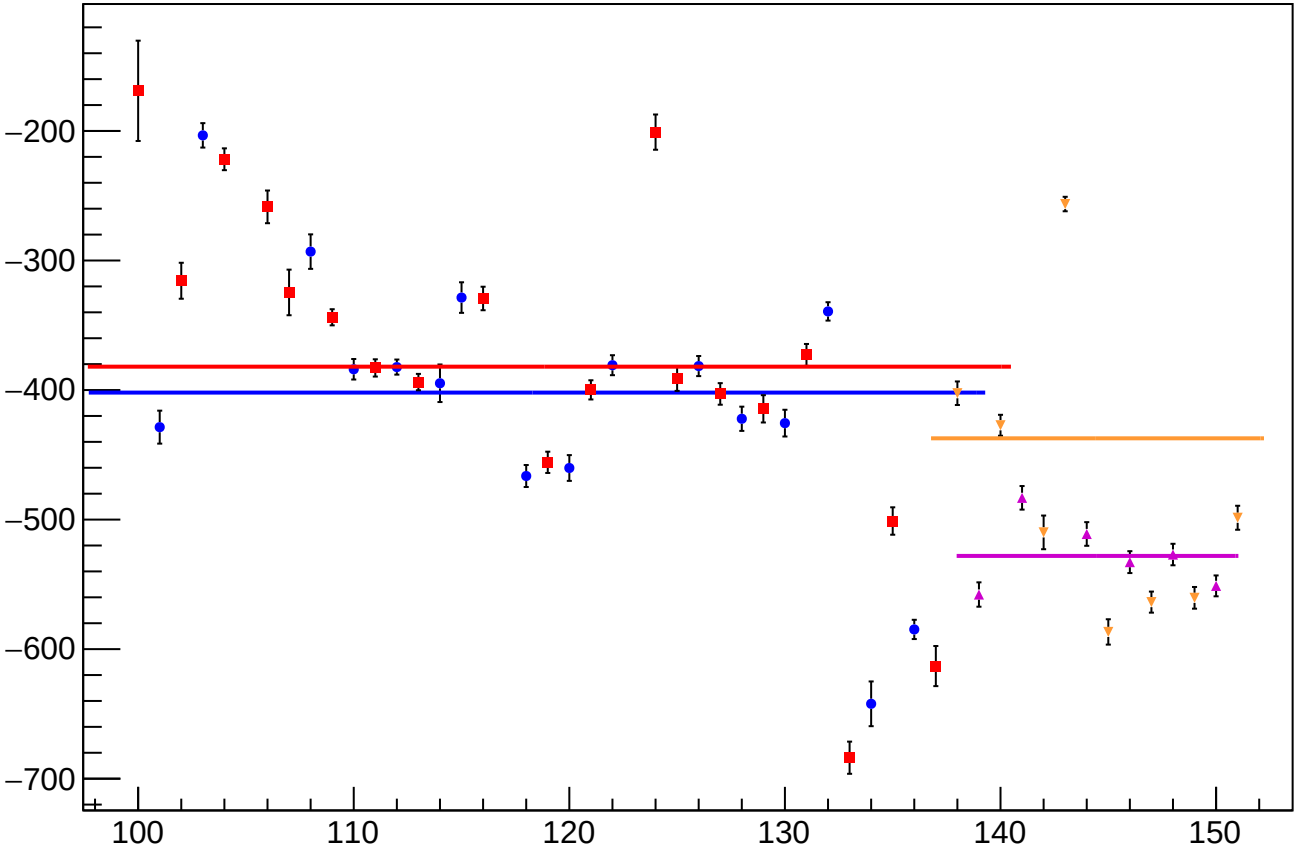
Left In: -1.342+/-0.032 χ^2/NDF:4324.2/5

+ sign 3.019+/-0.025 χ^2/NDF: 417863.1/23

All: 1.805+/-0.018 χ^2/NDF: 871589.4/48

- sign 0.433+/-0.026 χ^2/NDF: 448567.8/24

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -437.265+/-2.926 χ^2/NDF:1830.3/7

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

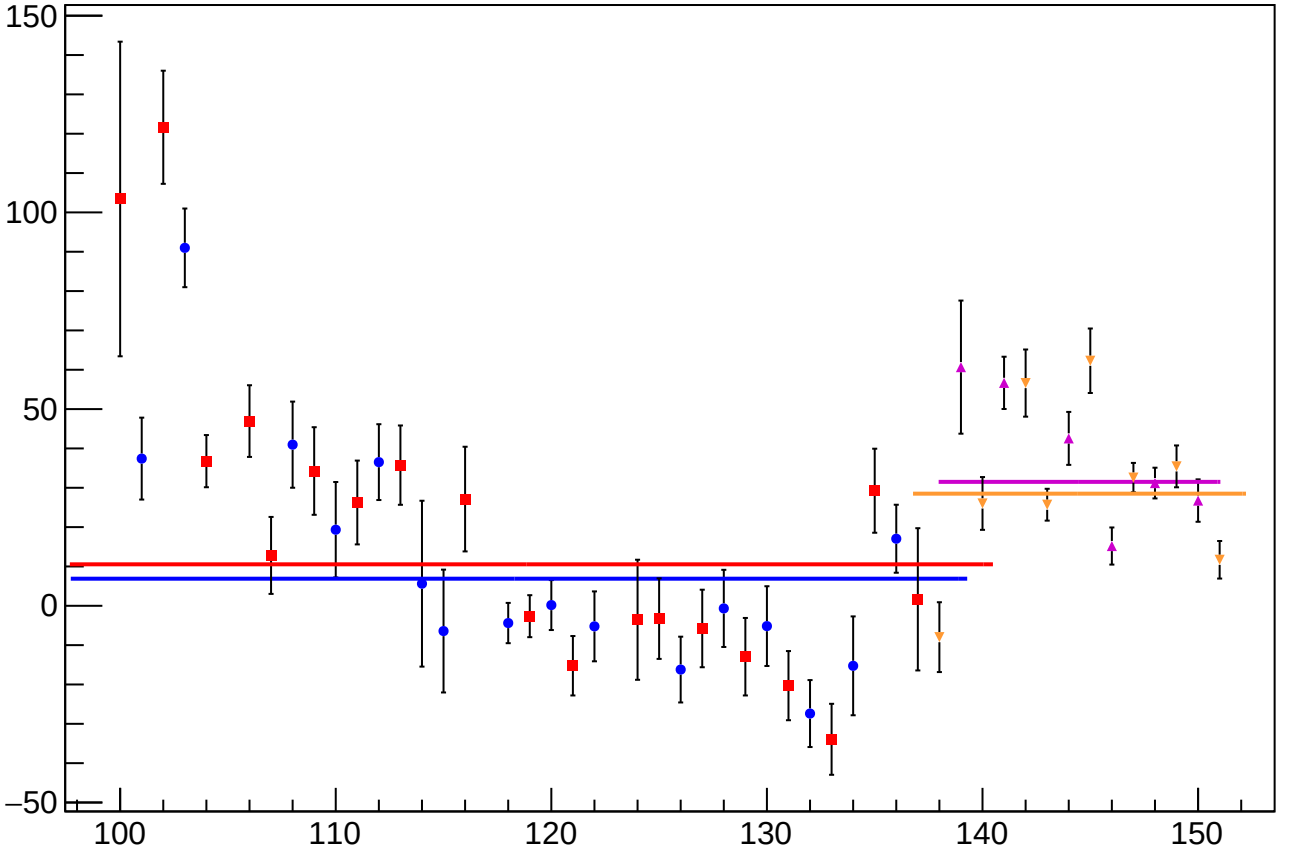
Left In: -528.039+/-3.550 χ^2/NDF:46.4/5

+ sign -414.980+/-1.777 χ^2/NDF: 3485.5/23

All: -417.650+/-1.272 χ^2/NDF: 6600.6/48

- sign -420.462+/-1.823 χ^2/NDF: 3110.5/24

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

Left Out: 28.504+/-1.905 χ^2/NDF:60.6/7

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

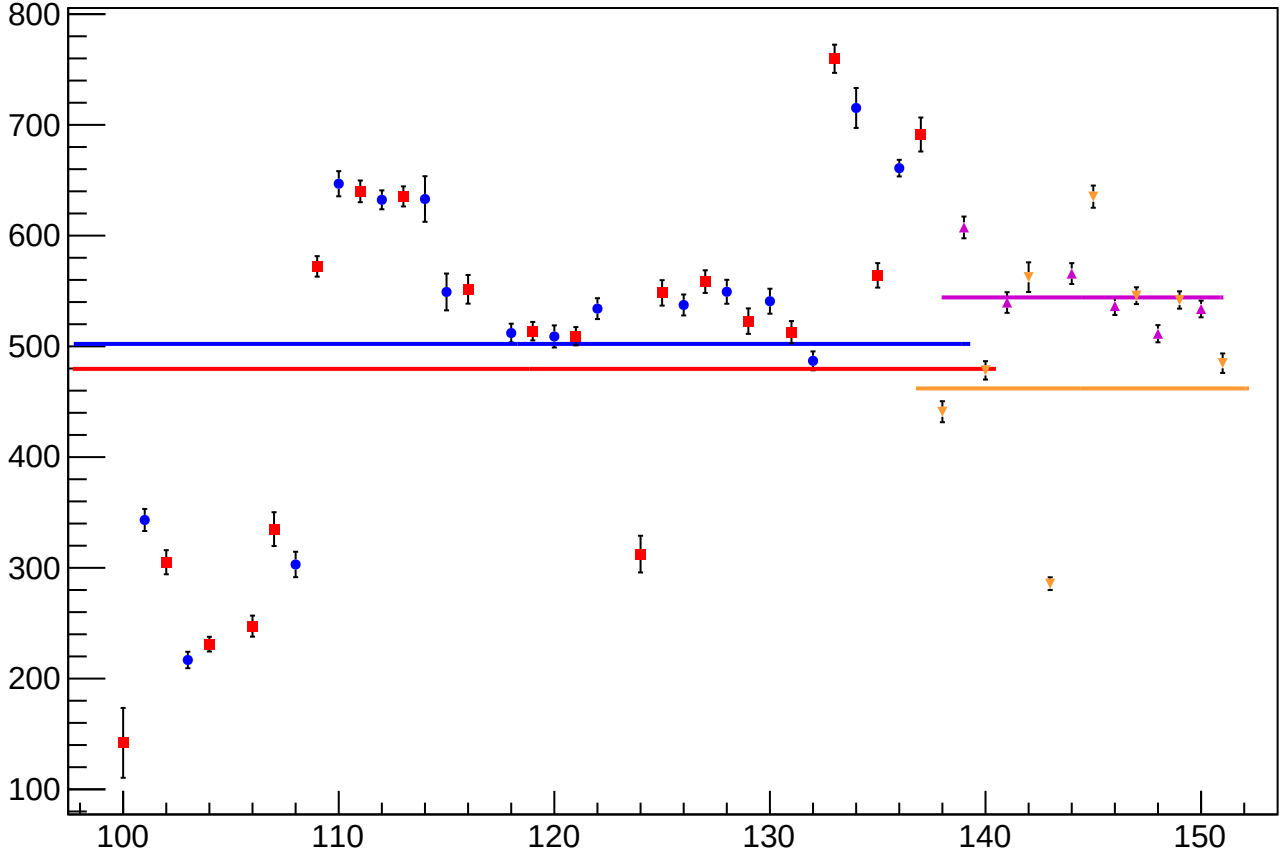
Left In: 31.503+/-2.275 χ^2/NDF:32.8/5

+ sign 19.543+/-1.458 χ^2/NDF: 252.4/23

All: 20.055+/-1.072 χ^2/NDF: 509.4/48

- sign 20.656+/-1.581 χ^2/NDF: 256.7/24

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 462.001+/-2.910 χ^2/NDF:1538.4/7

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

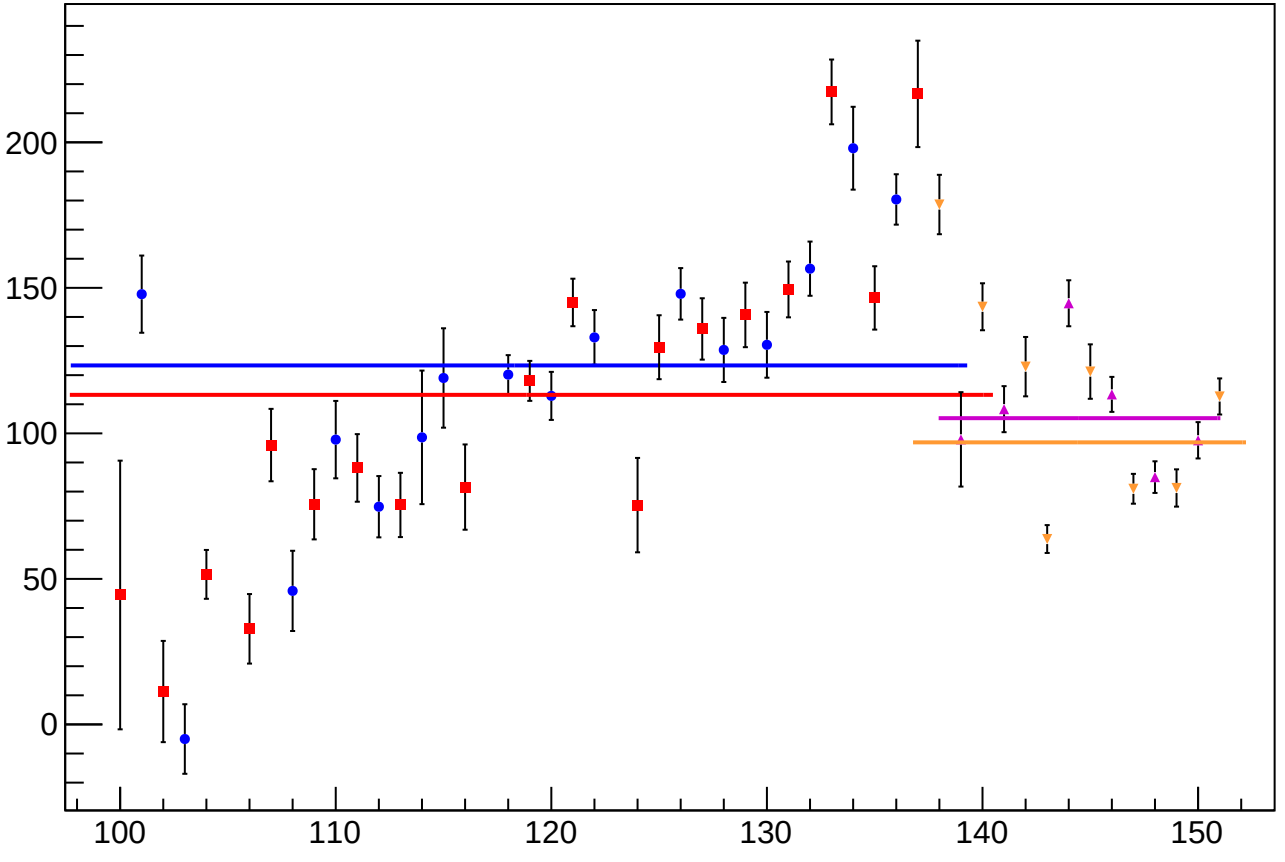
Left In: 544.199+/-3.476 χ^2/NDF:67.7/5

+ sign 485.195+/-1.893 χ^2/NDF: 4783.7/23

All: 492.525+/-1.367 χ^2/NDF: 9254.6/48

- sign 500.498+/-1.975 χ^2/NDF: 4439.6/24

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 96.911+/-2.370 χ^2/NDF:181.0/7

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

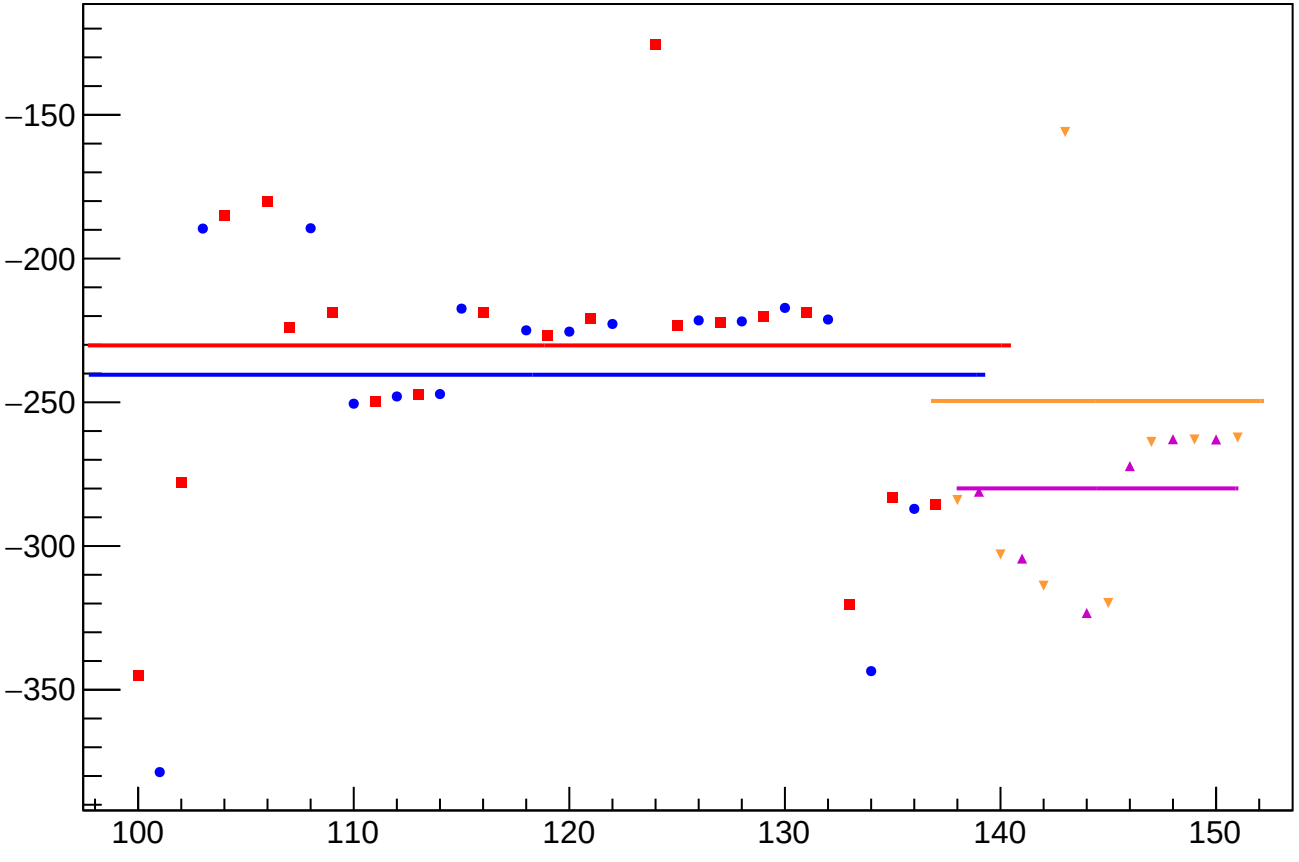
Left In: 105.222+/-2.851 χ^2/NDF:42.6/5

+ sign 108.770+/-1.760 χ^2/NDF: 508.2/23

All: 109.191+/-1.291 χ^2/NDF: 901.0/48

- sign 109.682+/-1.899 χ^2/NDF: 392.7/24

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -249.528+/-0.122 χ^2/NDF:231504.1/7

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

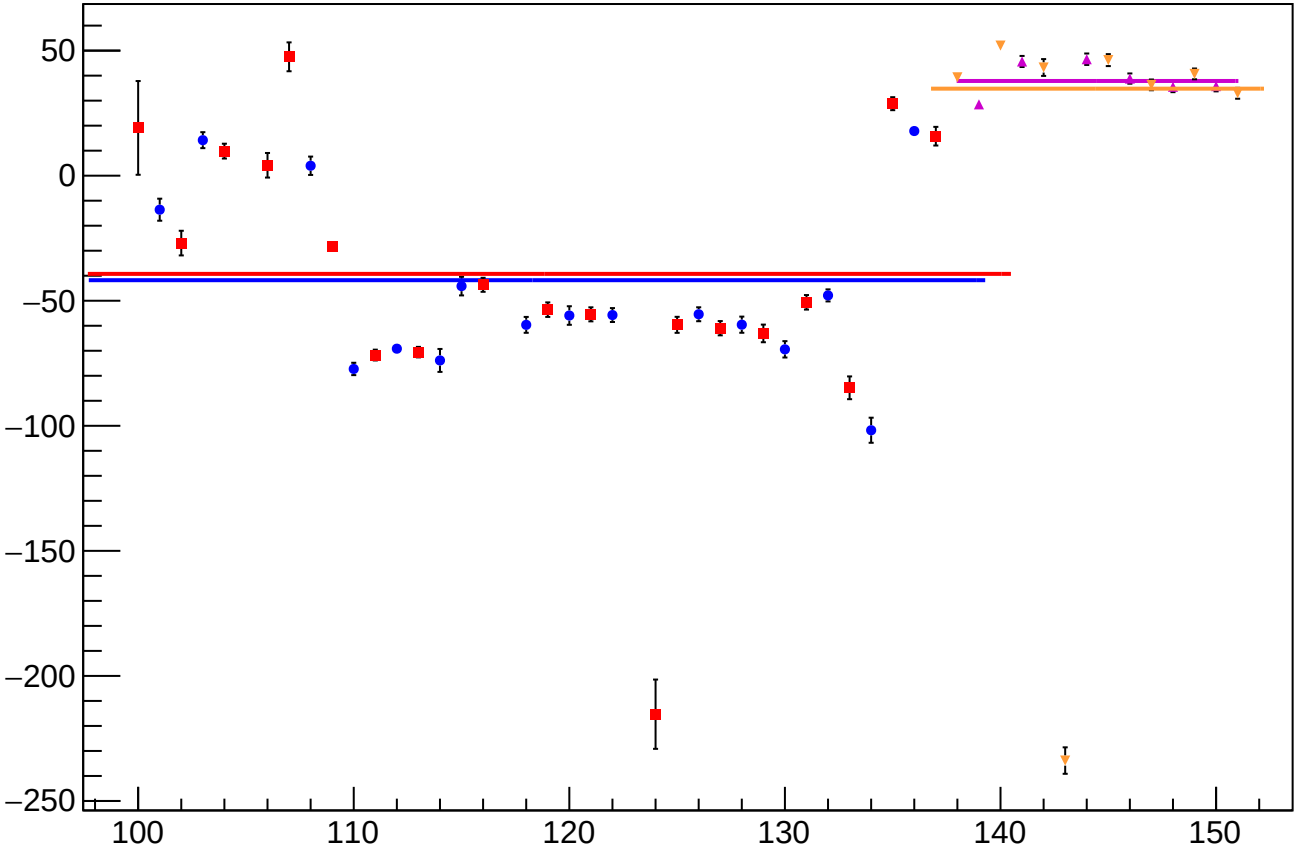
Left In: -279.950+/-0.142 χ^2/NDF:21236.1/5

+ sign -245.925+/-0.095 χ^2/NDF: 367872.1/23

All: -250.544+/-0.069 χ^2/NDF: 537209.3/48

- sign -255.892+/-0.102 χ^2/NDF: 164201.7/24

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 34.792+/-0.826 χ^2/NDF:2699.3/7

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

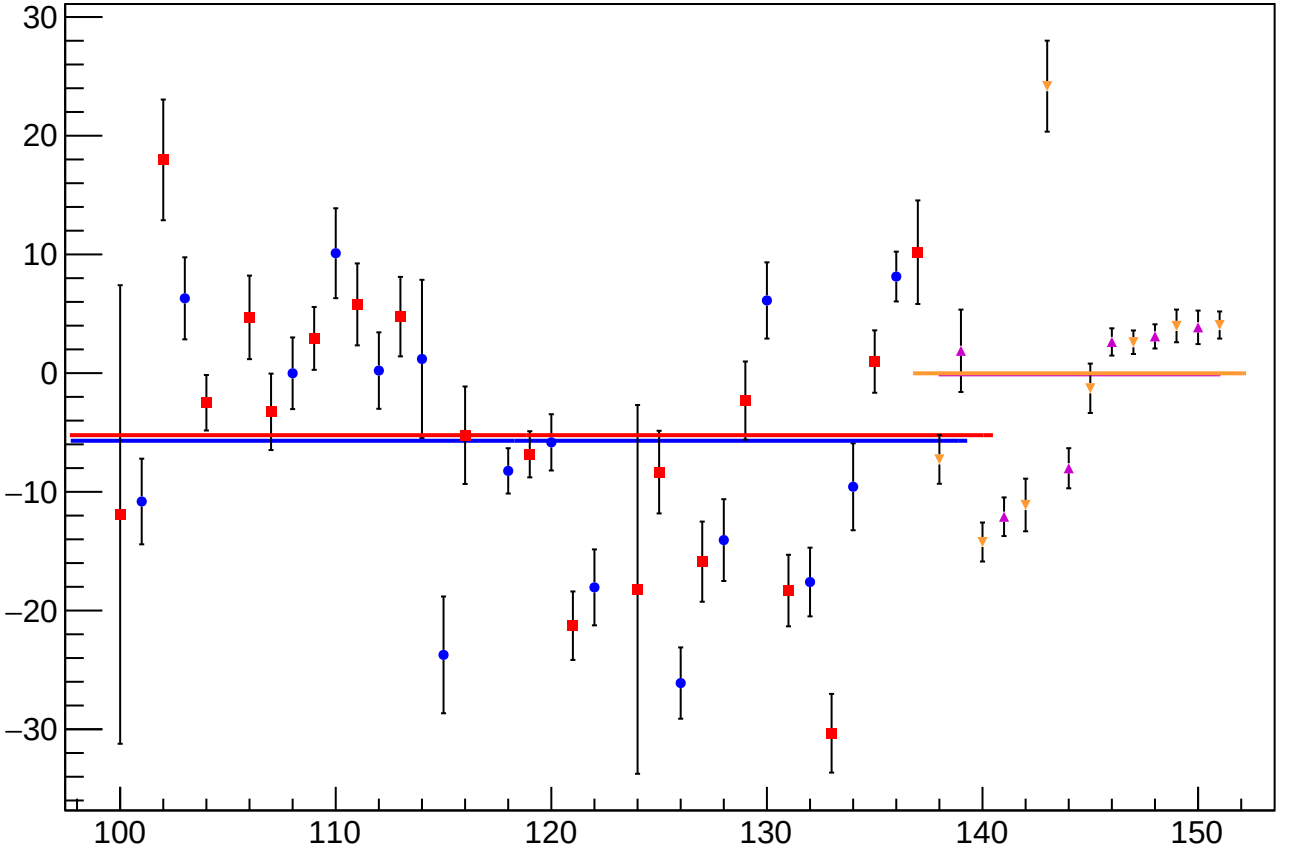
Left In: 37.864+/-0.862 χ^2/NDF:52.8/5

\+ sign -8.582+/-0.544 χ^2/NDF: 9967.8/23

All: -9.150+/-0.381 χ^2/NDF: 17437.9/48

\- sign -9.696+/-0.534 χ^2/NDF: 7468.0/24

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

Left Out: -0.015+/-0.540 χ^2/NDF:180.7/7

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

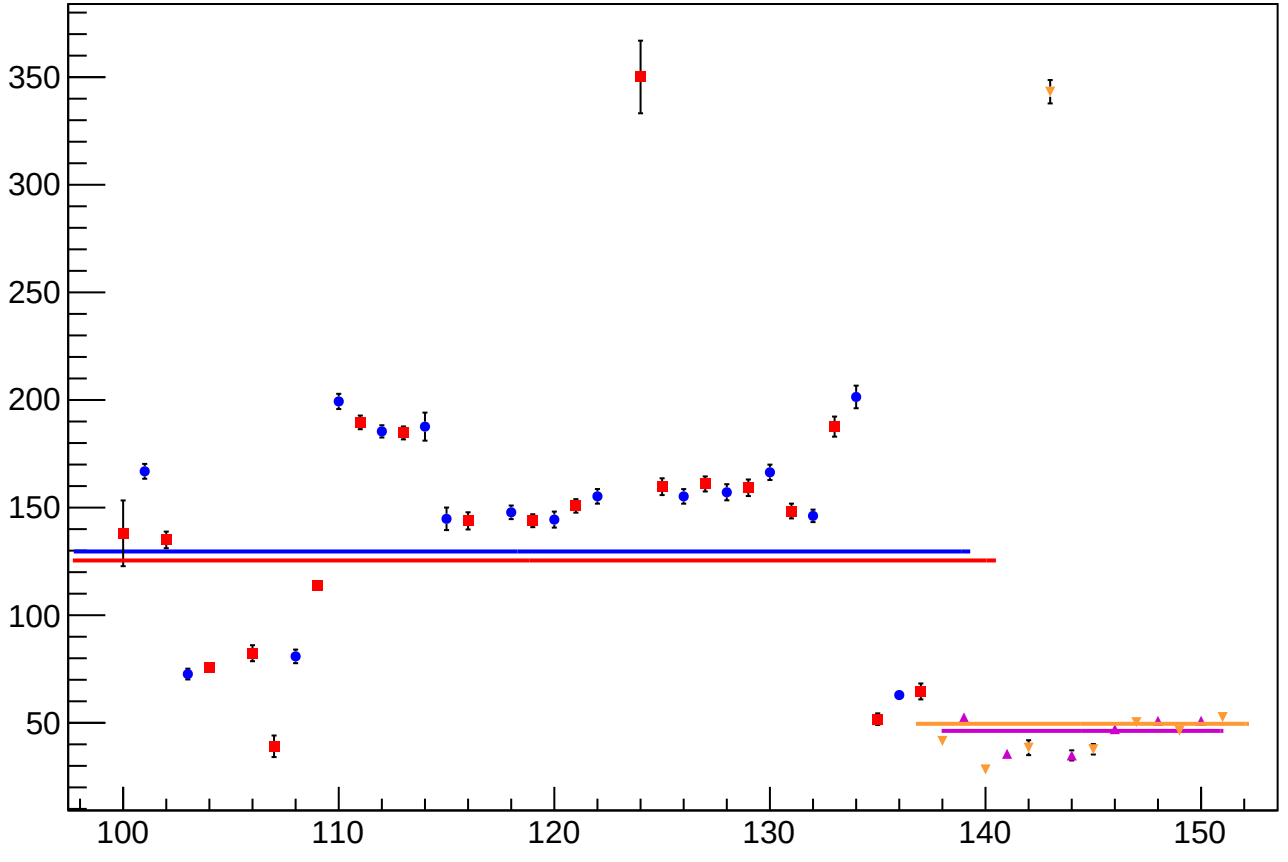
Left In: -0.101+/-0.574 χ^2/NDF:99.9/5

+ sign -1.947+/-0.439 χ^2/NDF: 415.0/23

All: -1.986+/-0.315 χ^2/NDF: 742.2/48

- sign -2.028+/-0.454 χ^2/NDF: 327.2/24

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 49.542+/-0.817 χ^2/NDF:3079.7/7

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

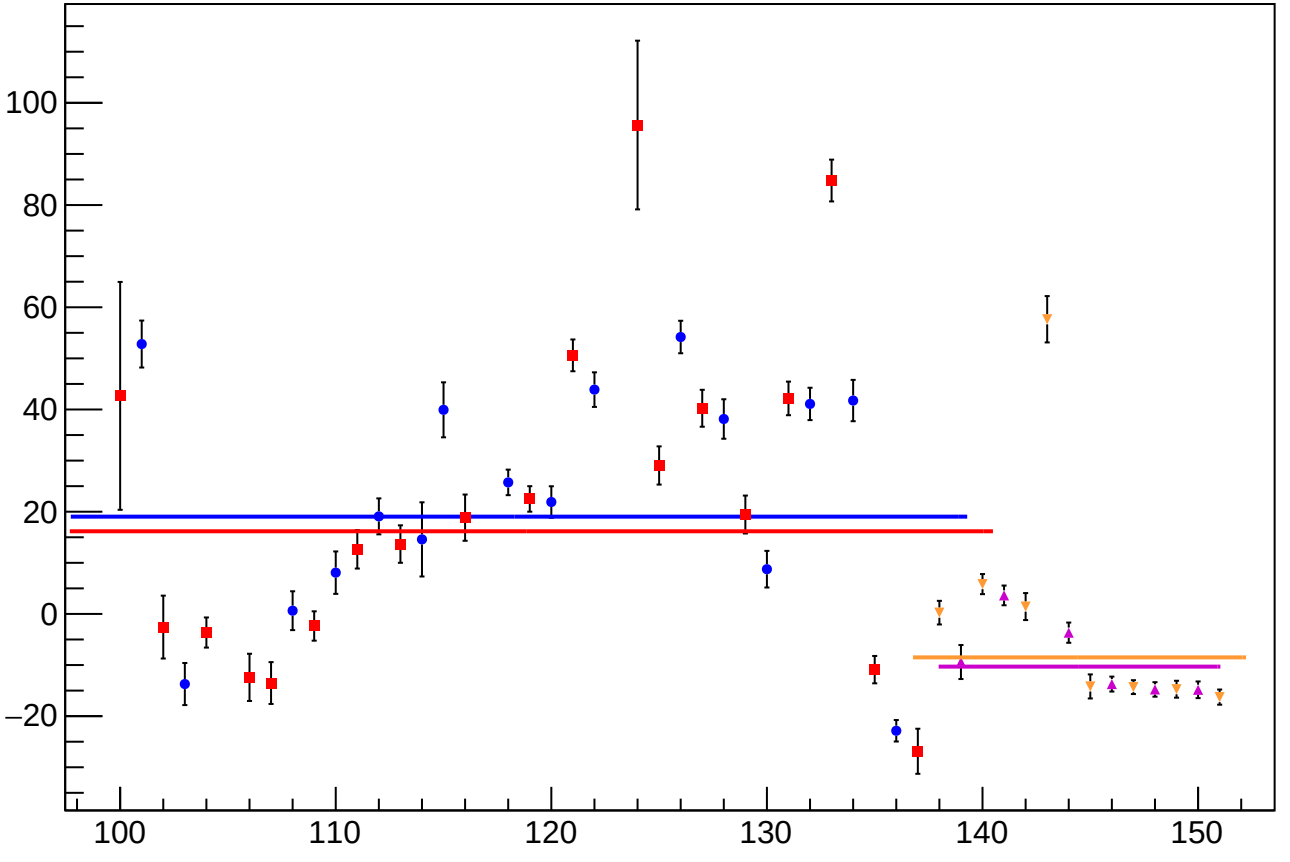
Left In: 46.257+/-0.849 χ^2/NDF:66.2/5

+ sign 90.369+/-0.572 χ^2/NDF: 11607.7/23

All: 89.539+/-0.407 χ^2/NDF: 19845.4/48

- sign 88.690+/-0.578 χ^2/NDF: 8233.4/24

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: -8.500+/-0.677 χ^2/NDF:360.5/7

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

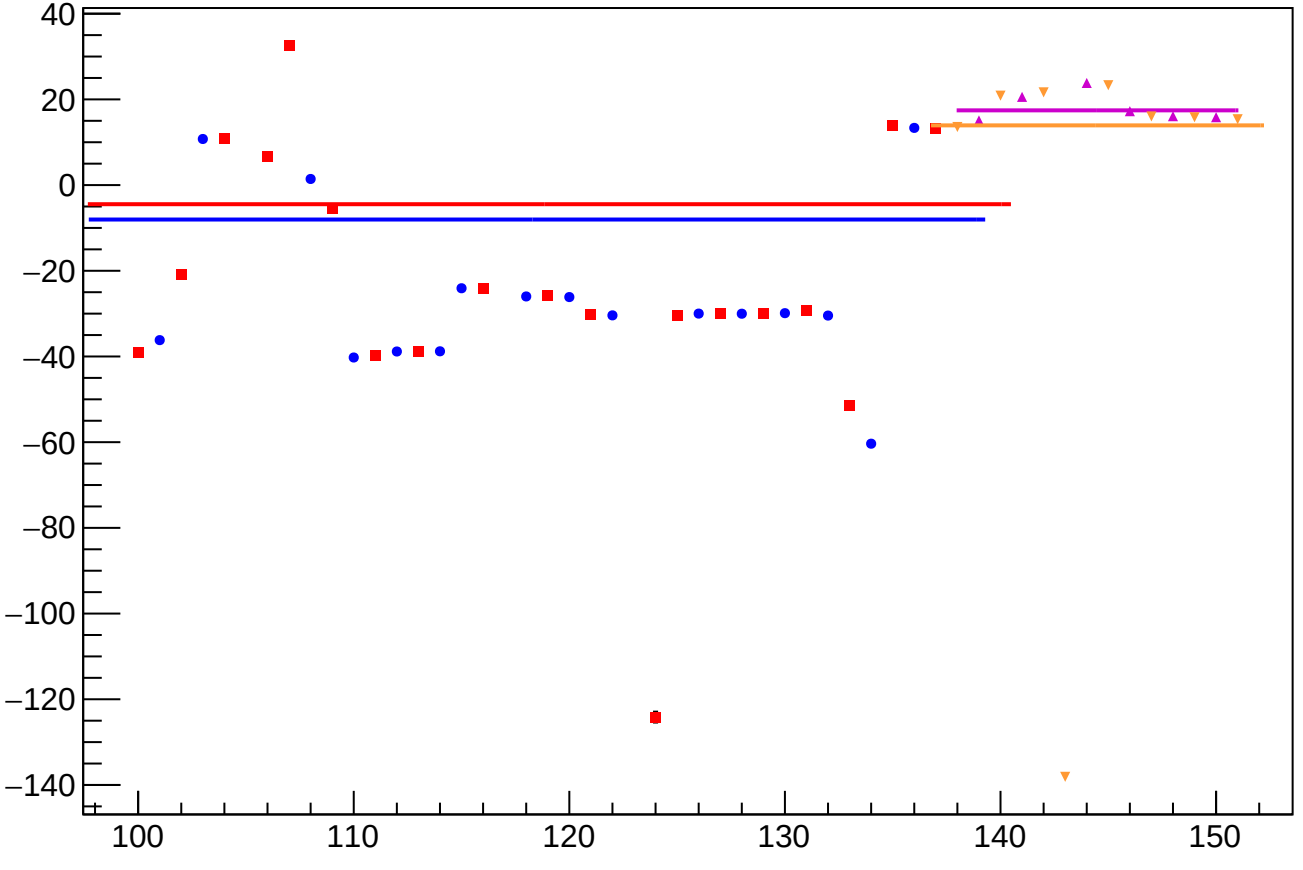
Left In: -10.308+/-0.715 χ^2/NDF:86.5/5

+ sign 2.037+/-0.532 χ^2/NDF: 1851.5/23

All: 1.402+/-0.381 χ^2/NDF: 3453.6/48

- sign 0.733+/-0.546 χ^2/NDF: 1599.1/24

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 13.936+/-0.034 χ^2/NDF:470437.5/7

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

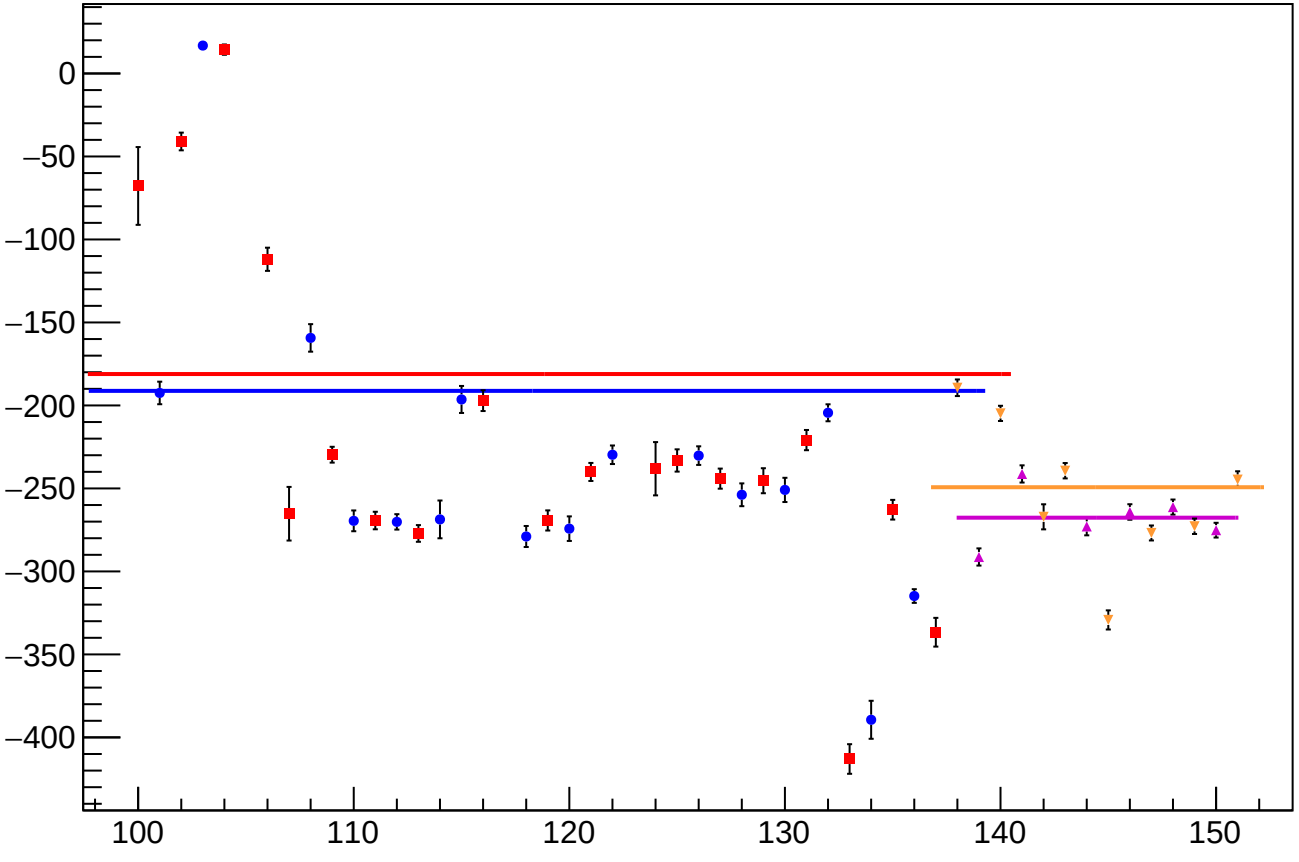
Left In: 17.441+/-0.034 χ^2/NDF:6616.8/5

+ sign 6.216+/-0.027 χ^2/NDF: 887455.9/23

All: 7.975+/-0.019 χ^2/NDF: 1273607.8/48

- sign 9.797+/-0.028 χ^2/NDF: 377618.9/24

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -249.277+/-1.777 χ^2/NDF:504.1/7

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

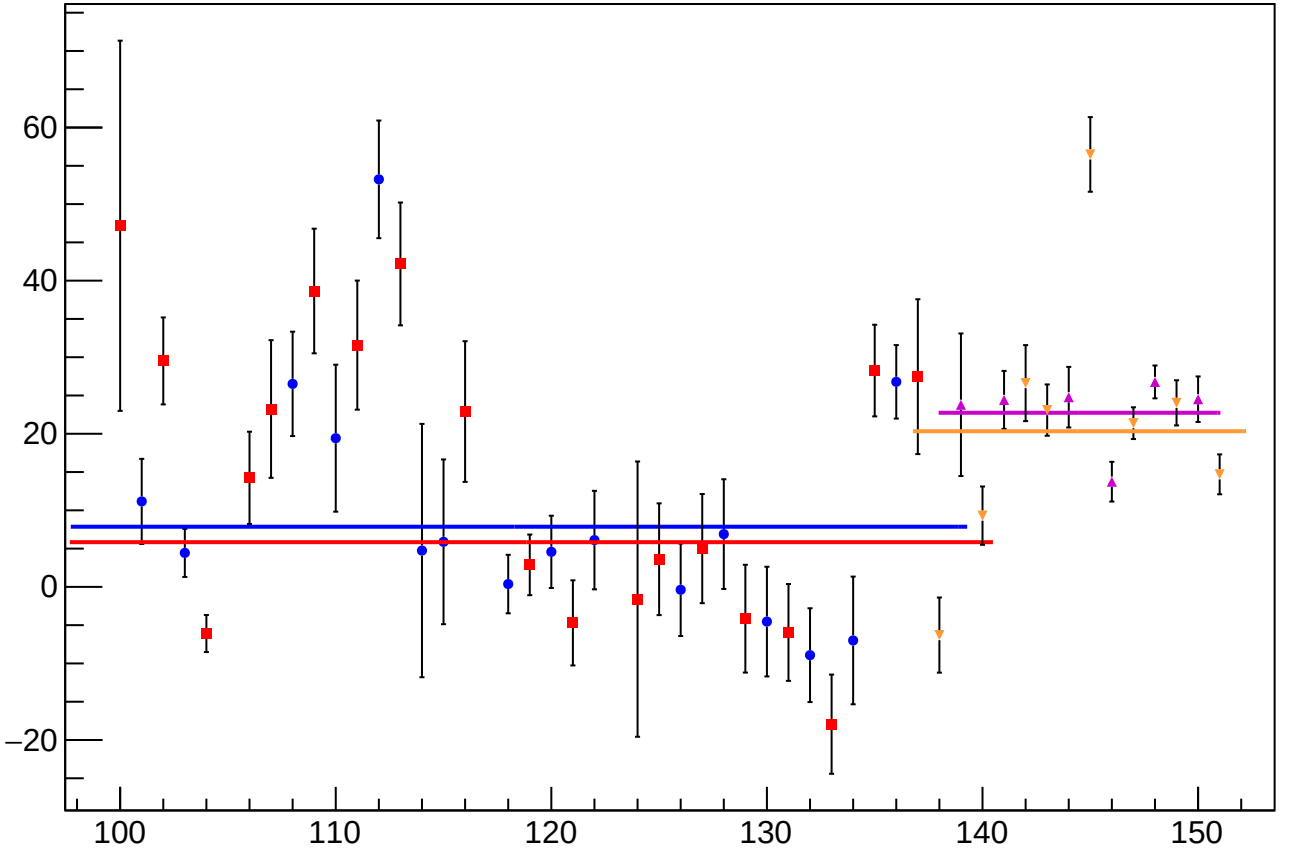
Left In: -267.630+/-1.985 χ^2/NDF:53.1/5

\+ sign -213.821+/-1.109 χ^2/NDF: 8380.6/23

All: -211.640+/-0.793 χ^2/NDF: 17096.0/48

\- sign -209.356+/-1.134 χ^2/NDF: 8707.4/24

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 7.859+/-1.438 χ^2/NDF: 80.9/15

Left Out: 20.329+/-1.135 χ^2/NDF:101.6/7

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

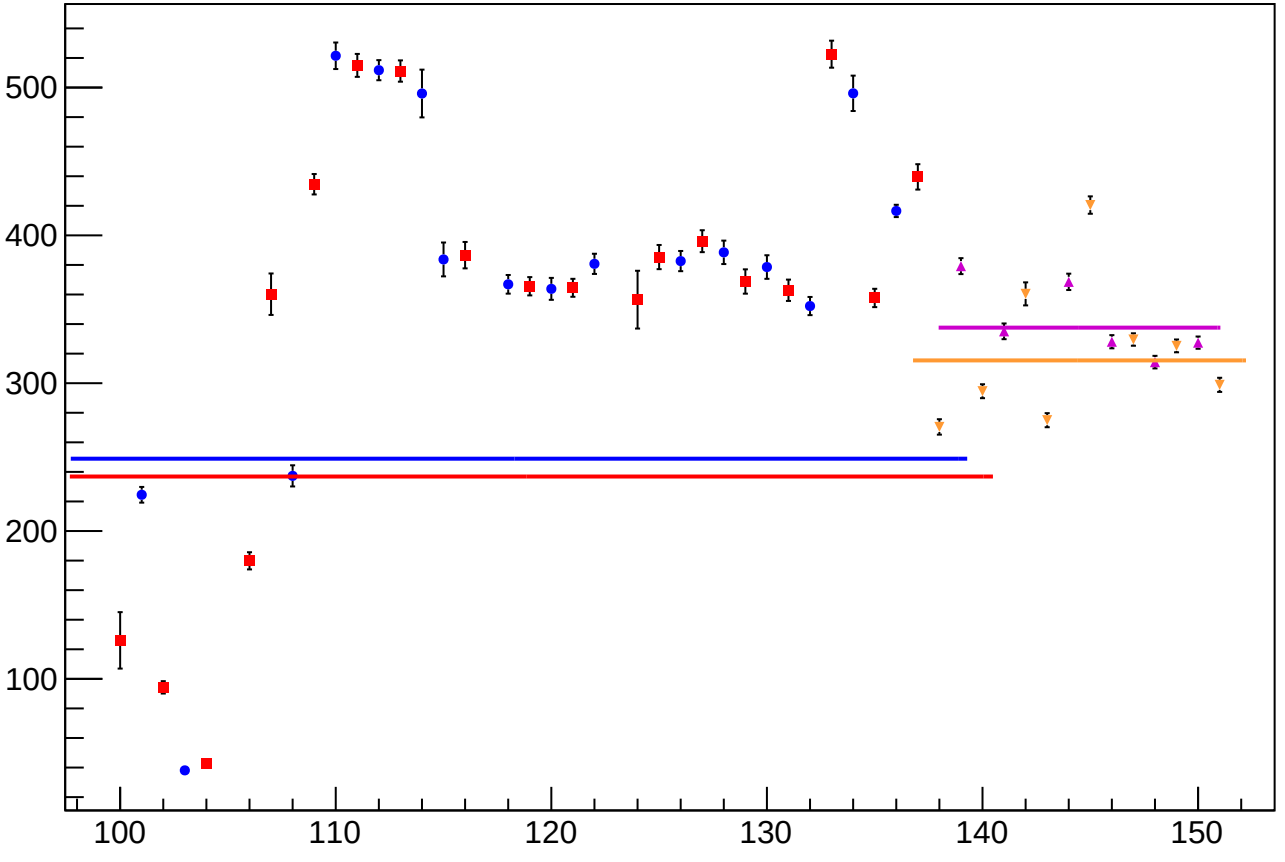
Left In: 22.743+/-1.266 χ^2/NDF:16.4/5

+ sign 15.545+/-0.891 χ^2/NDF: 228.9/23

All: 15.219+/-0.642 χ^2/NDF: 470.5/48

- sign 14.867+/-0.925 χ^2/NDF: 241.3/24

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 315.415+/-1.756 χ^2/NDF:546.5/7

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

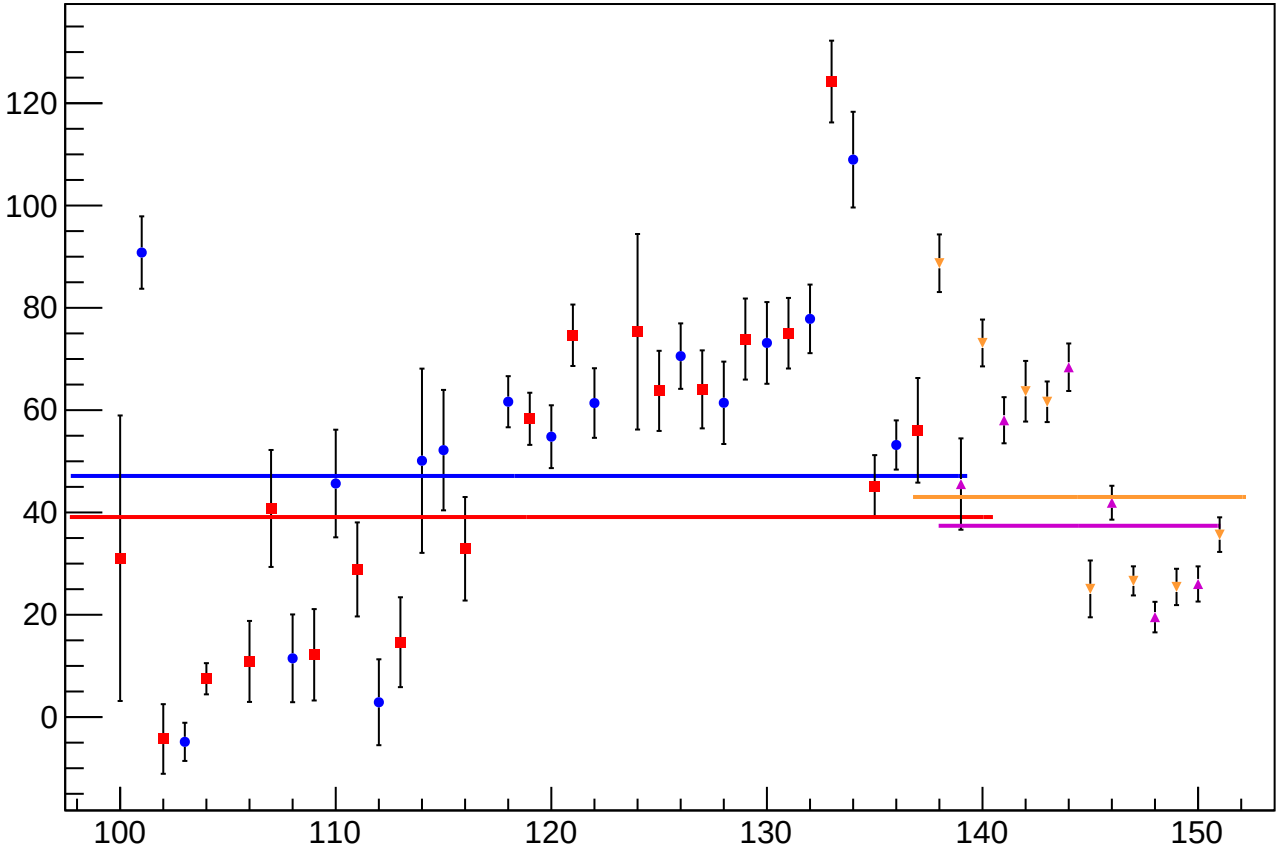
Left In: 337.583+/-1.940 χ^2/NDF:131.5/5

+ sign 275.264+/-1.105 χ^2/NDF: 16714.8/23

All: 273.472+/-0.793 χ^2/NDF: 34275.1/48

- sign 271.569+/-1.139 χ^2/NDF: 17554.8/24

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 43.025+/-1.423 χ^2/NDF:216.1/7

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

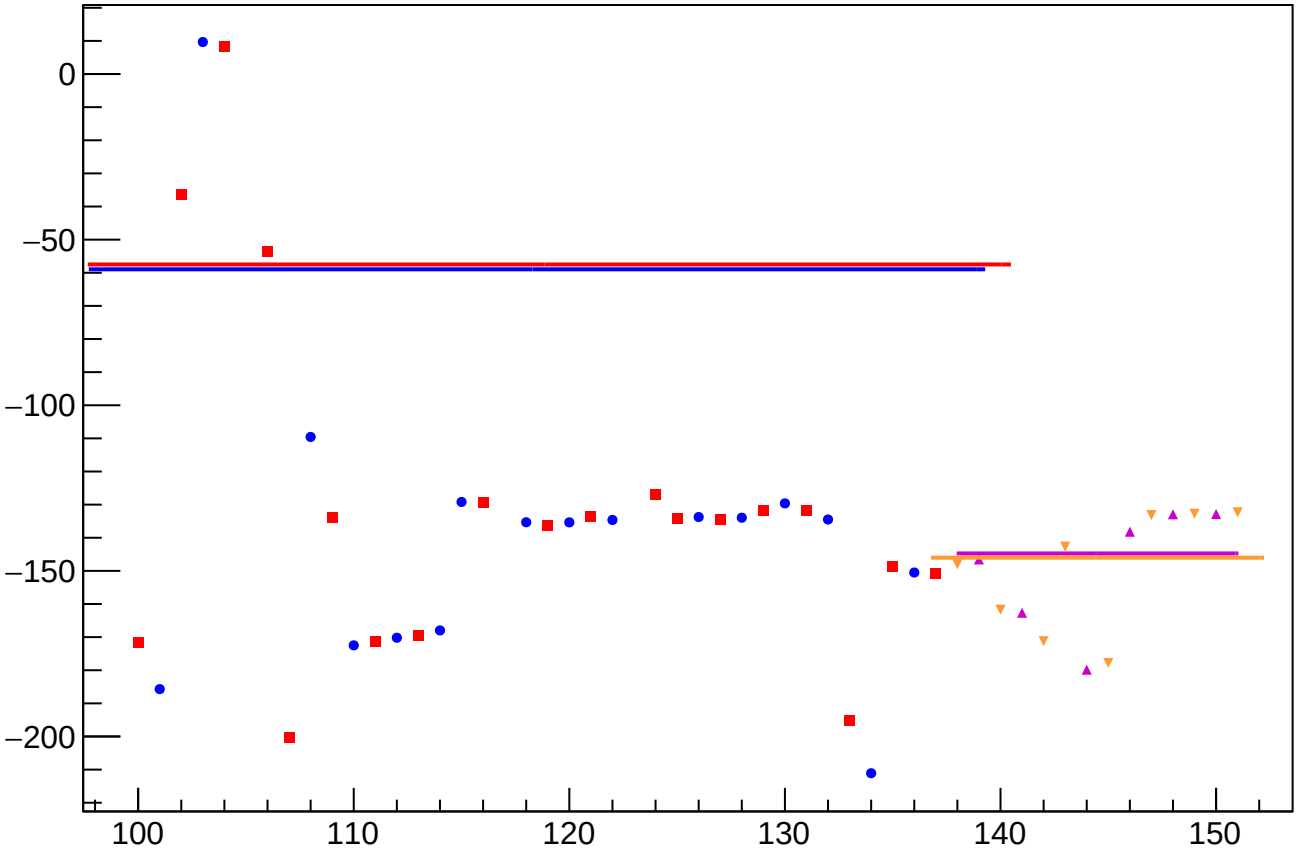
Left In: 37.397+/-1.589 χ^2/NDF:114.9/5

+ sign 44.758+/-1.083 χ^2/NDF: 605.0/23

All: 41.631+/-0.780 χ^2/NDF: 1154.3/48

- sign 38.248+/-1.126 χ^2/NDF: 531.9/24

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -146.018+/-0.073 χ^2/NDF:46006.0/7

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

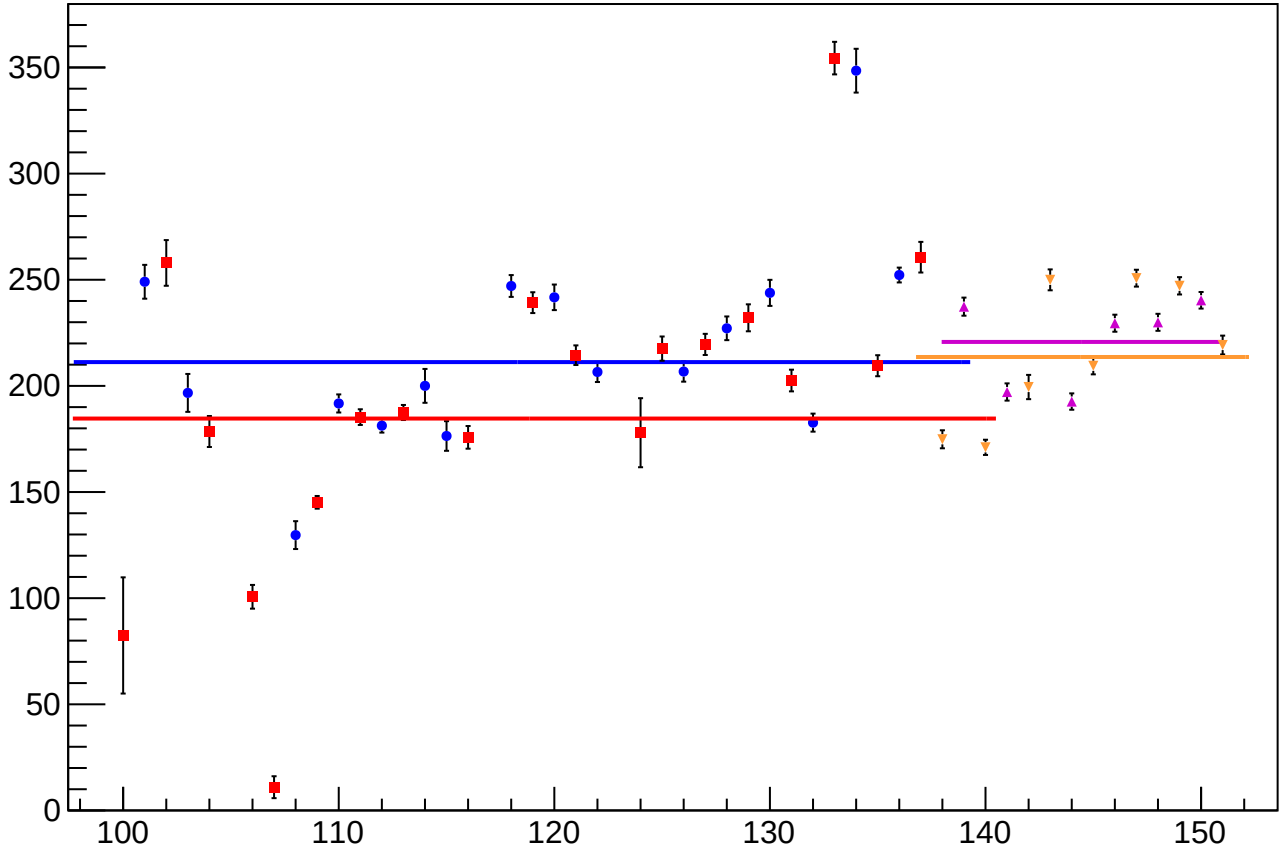
Left In: -144.737+/-0.079 χ^2/NDF:37746.2/5

+ sign -101.983+/-0.052 χ^2/NDF: 1983671.3/23

All: -100.292+/-0.037 χ^2/NDF: 3542609.8/48

- sign -98.436+/-0.054 χ^2/NDF: 1556689.1/24

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 213.611+/-1.506 χ^2/NDF:442.6/7

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

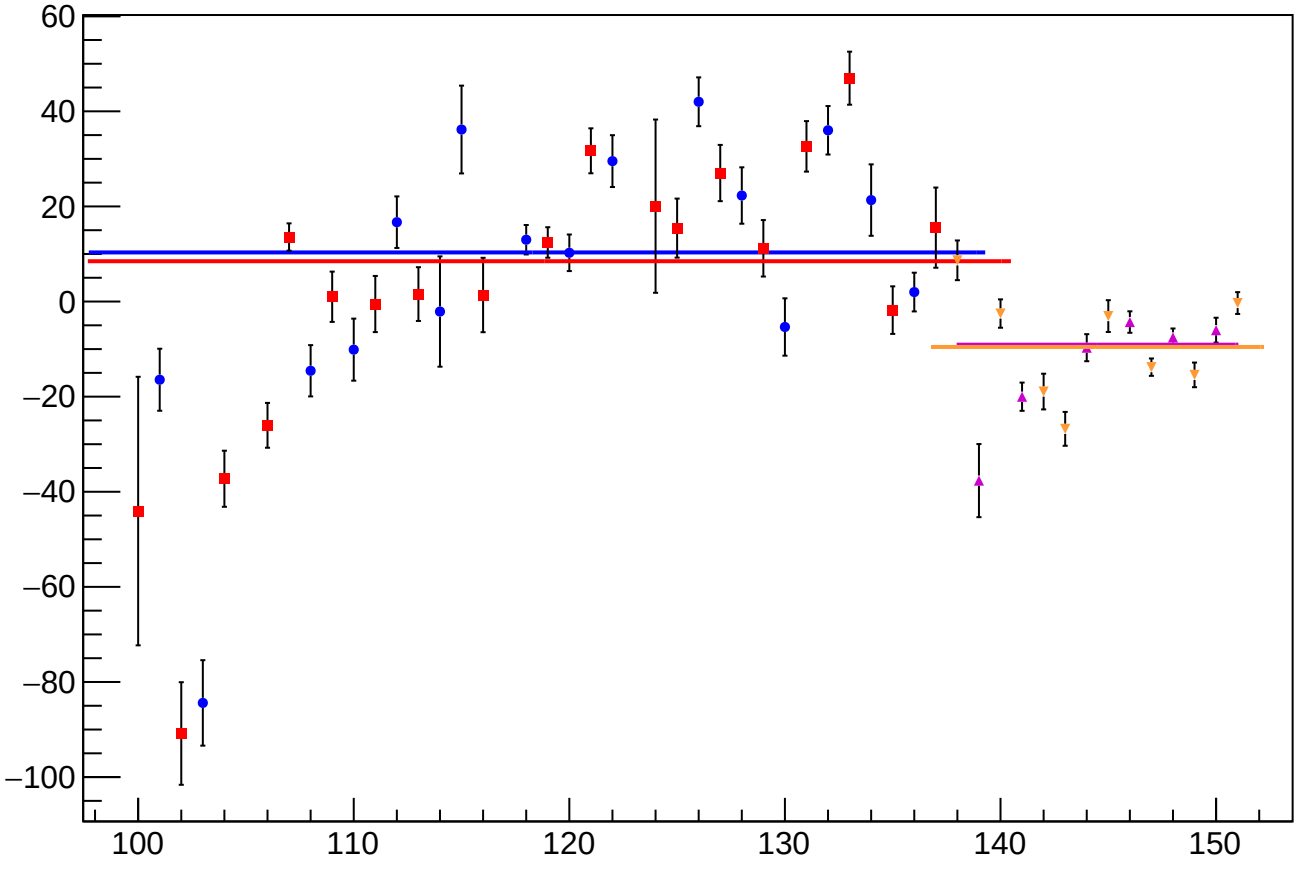
Left In: 220.710+/-1.637 χ^2/NDF:137.5/5

+ sign 212.232+/-0.982 χ^2/NDF: 1227.0/23

All: 204.553+/-0.688 χ^2/NDF: 4342.3/48

- sign 197.145+/-0.965 χ^2/NDF: 2995.2/24

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 10.329+/-1.333 χ^2/NDF: 263.3/15

Left Out: -9.550+/-0.977 χ^2/NDF:84.8/7

Right Out: 8.480+/-1.225 χ^2/NDF: 322.3/18

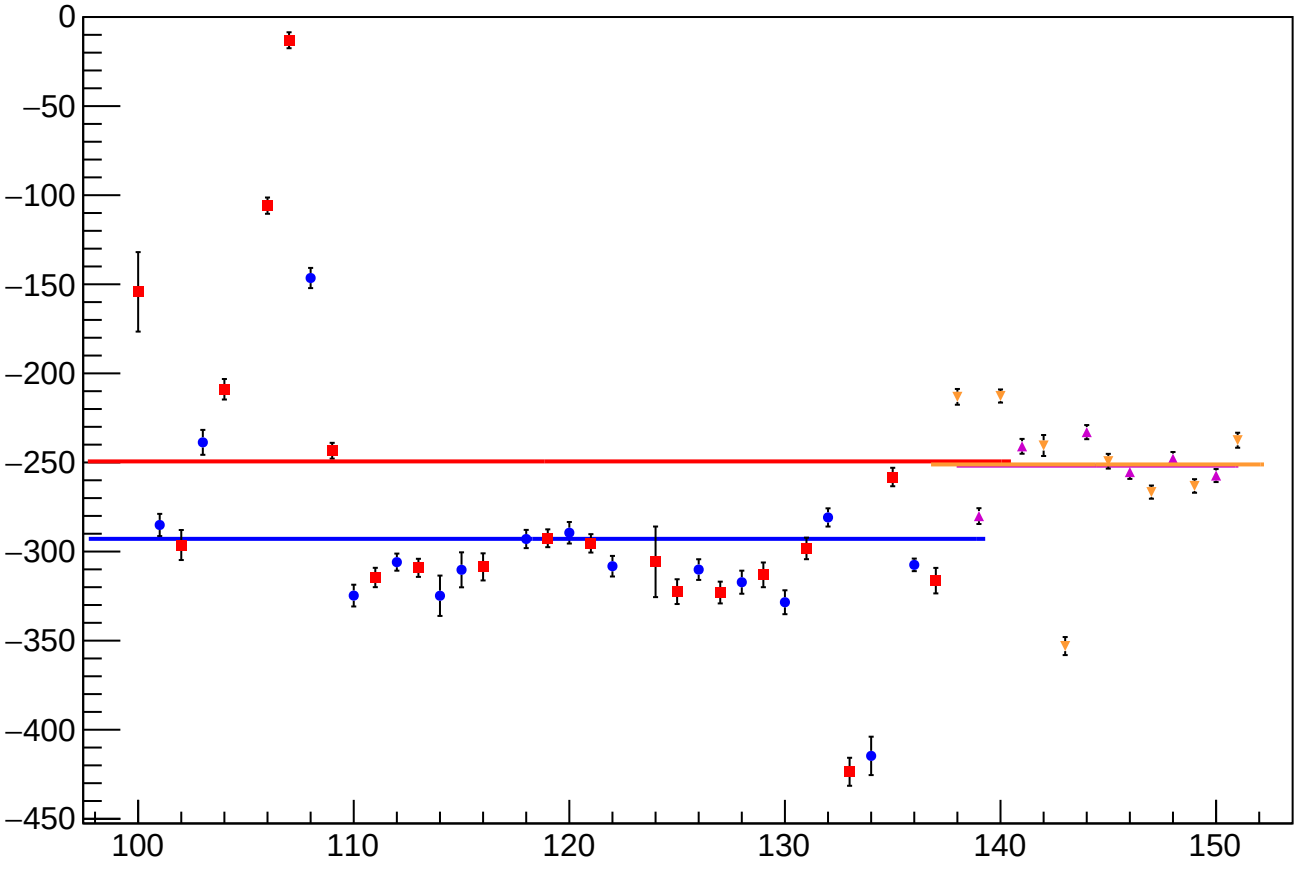
Left In: -9.070+/-1.068 χ^2/NDF:33.9/5

+ sign -2.603+/-0.788 χ^2/NDF: 492.8/23

All: -2.058+/-0.563 χ^2/NDF: 966.7/48

- sign -1.489+/-0.805 χ^2/NDF: 472.9/24

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -251.112+/-1.492 χ^2/NDF:628.7/7

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

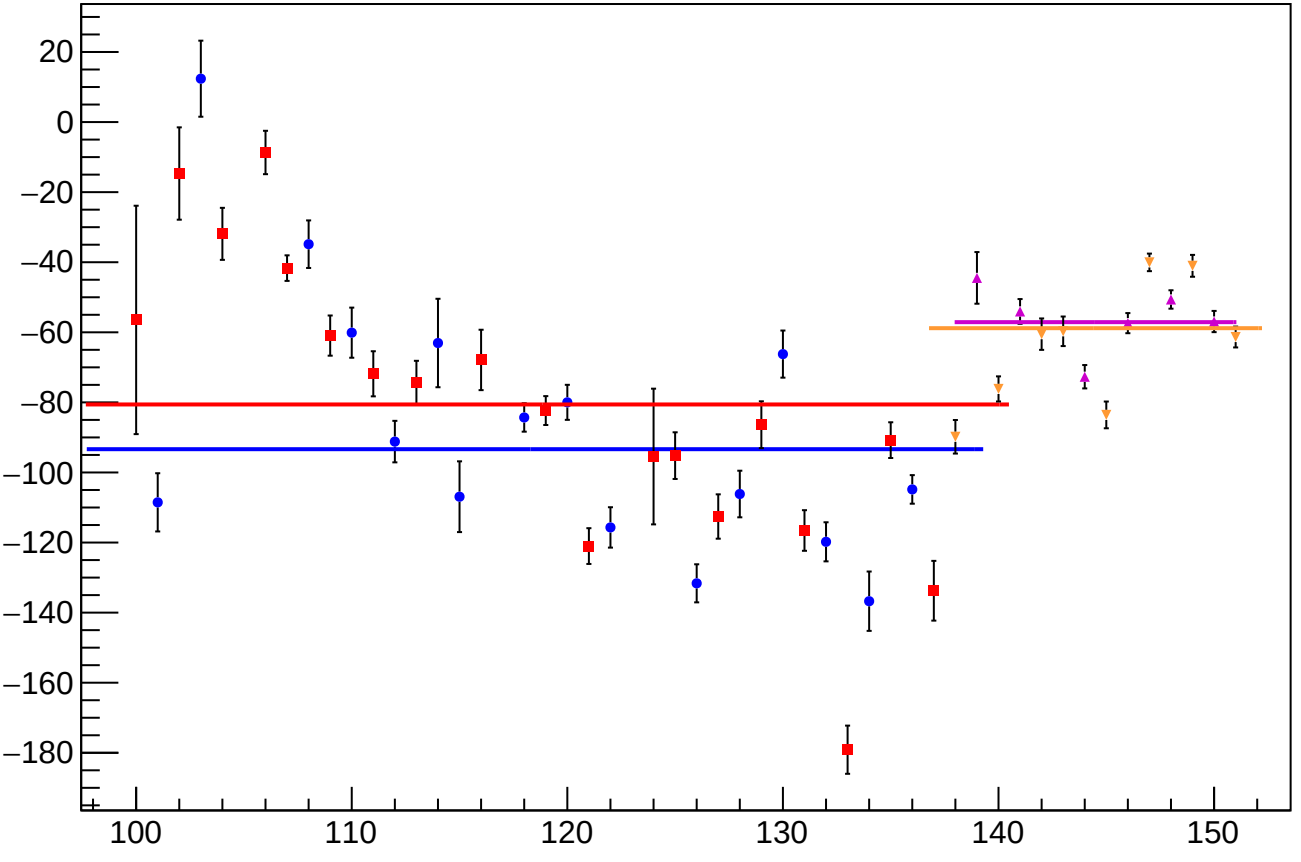
Left In: -251.787+/-1.610 χ^2/NDF:74.3/5

+ sign -272.344+/-1.046 χ^2/NDF: 2010.3/23

All: -261.337+/-0.739 χ^2/NDF: 7674.8/48

- sign -250.406+/-1.043 χ^2/NDF: 5444.0/24

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -58.822+/-1.221 χ^2/NDF:197.0/7

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

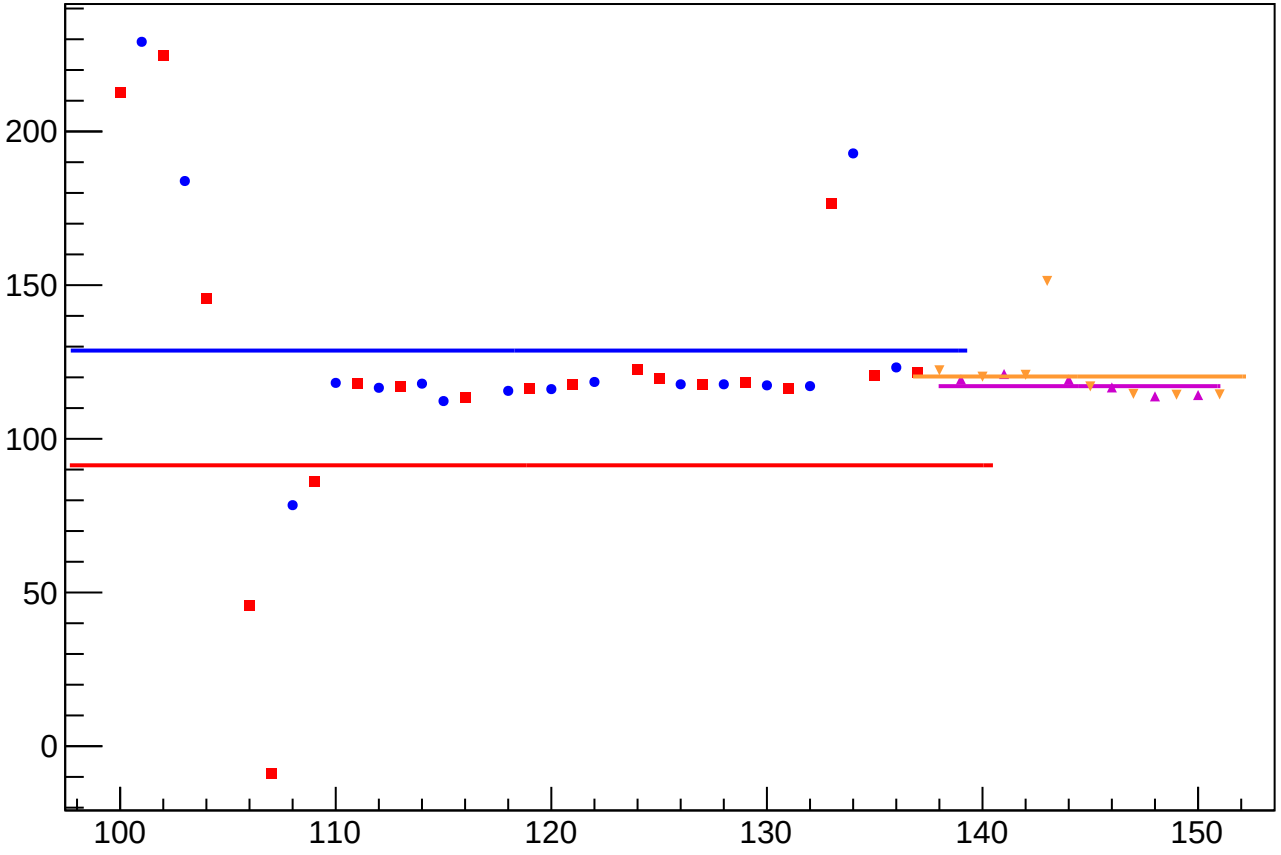
Left In: -57.101+/-1.332 χ^2/NDF:31.6/5

+ sign -72.209+/-0.955 χ^2/NDF: 862.5/23

All: -70.173+/-0.682 χ^2/NDF: 1763.9/48

- sign -68.062+/-0.973 χ^2/NDF: 892.1/24

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 120.278+/-0.062 χ^2/NDF:25980.1/7

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

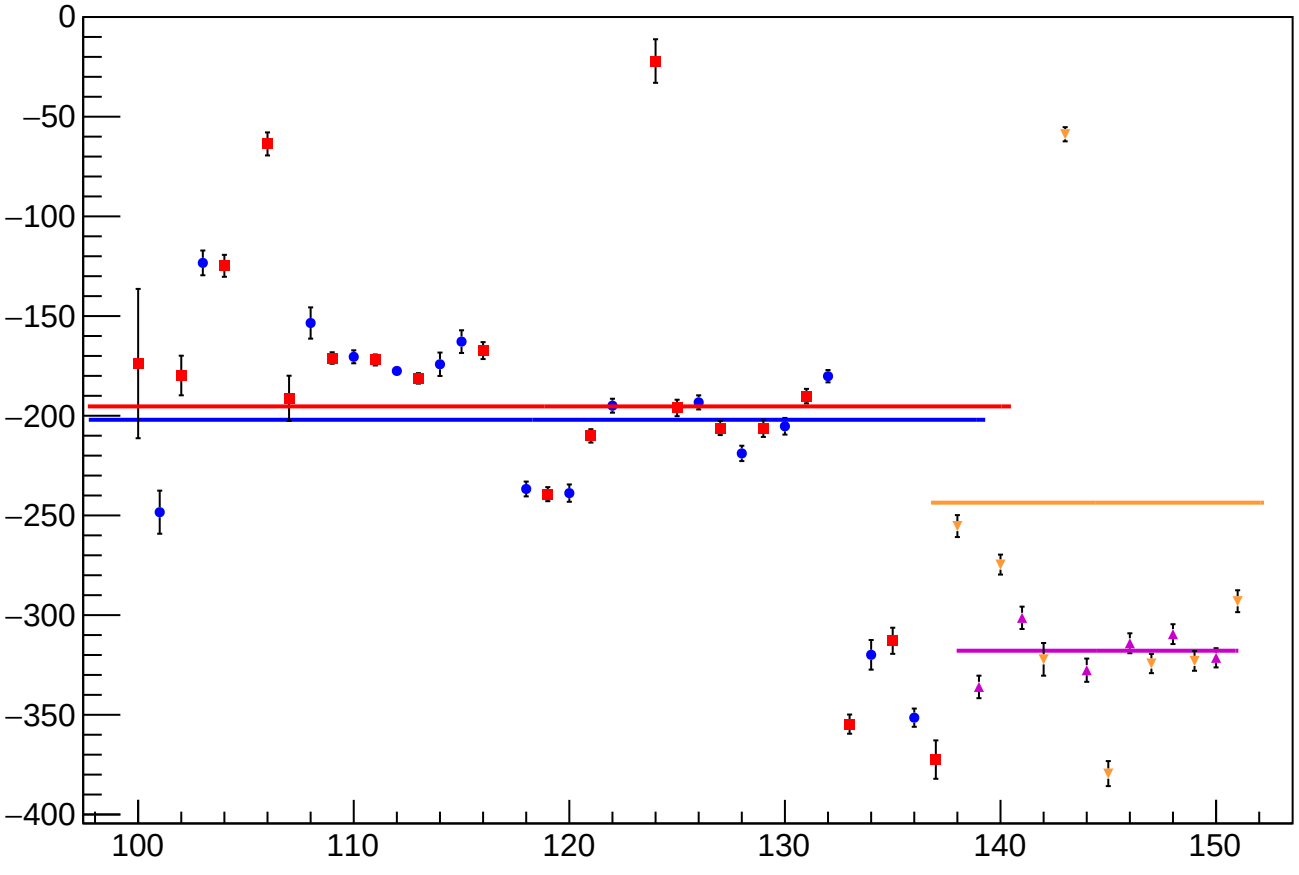
Left In: 117.136+/-0.066 χ^2/NDF:1739.0/5

+ sign 123.051+/-0.051 χ^2/NDF: 215518.2/23

All: 114.741+/-0.036 χ^2/NDF: 937216.1/48

- sign 106.612+/-0.051 χ^2/NDF: 669381.3/24

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -243.592+/-1.799 χ^2/NDF:3918.7/7

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

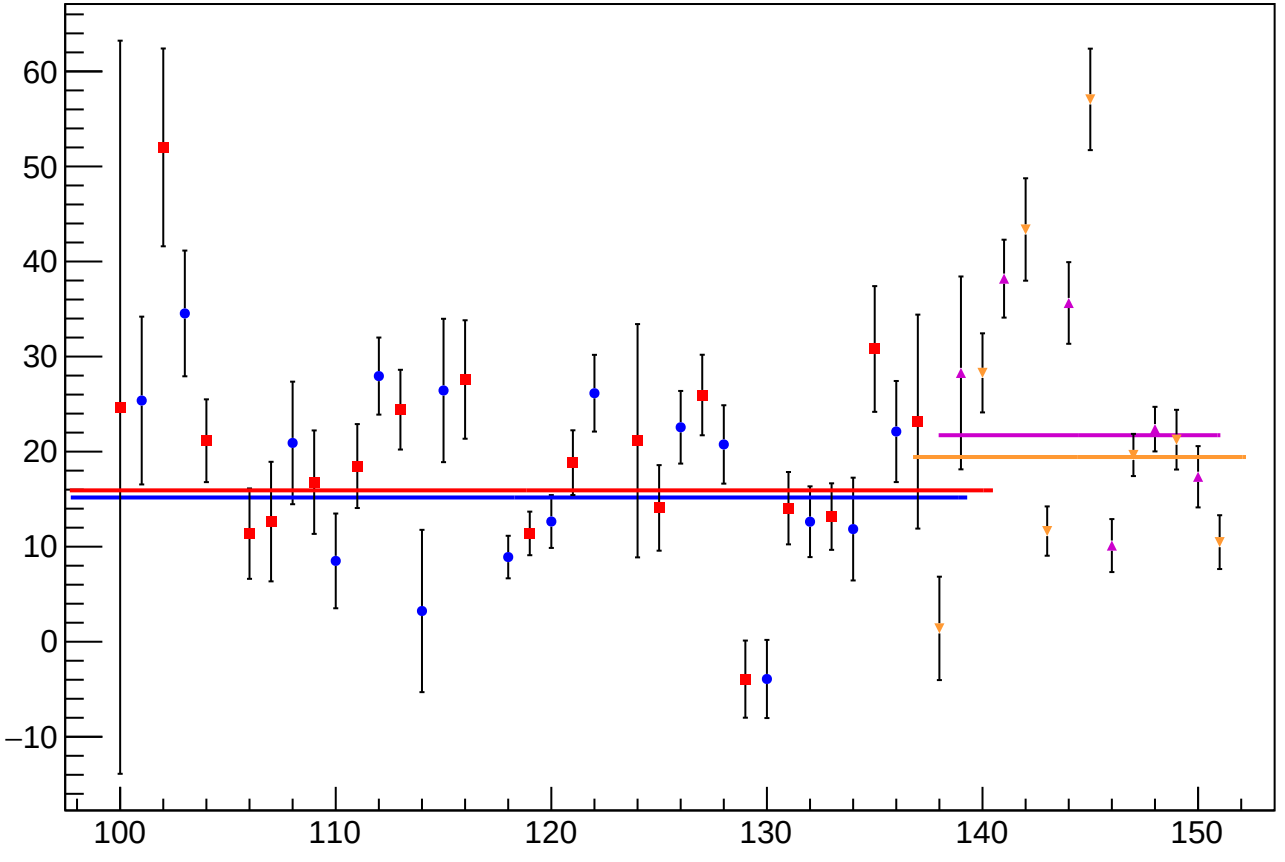
Left In: -317.854+/-2.151 χ^2/NDF:25.7/5

\+ sign -212.196+/-0.890 χ^2/NDF: 6362.4/23

All: -214.189+/-0.628 χ^2/NDF: 12192.7/48

\- sign -216.169+/-0.887 χ^2/NDF: 5820.2/24

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 19.432+/-1.163 χ^2/NDF:104.3/7

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

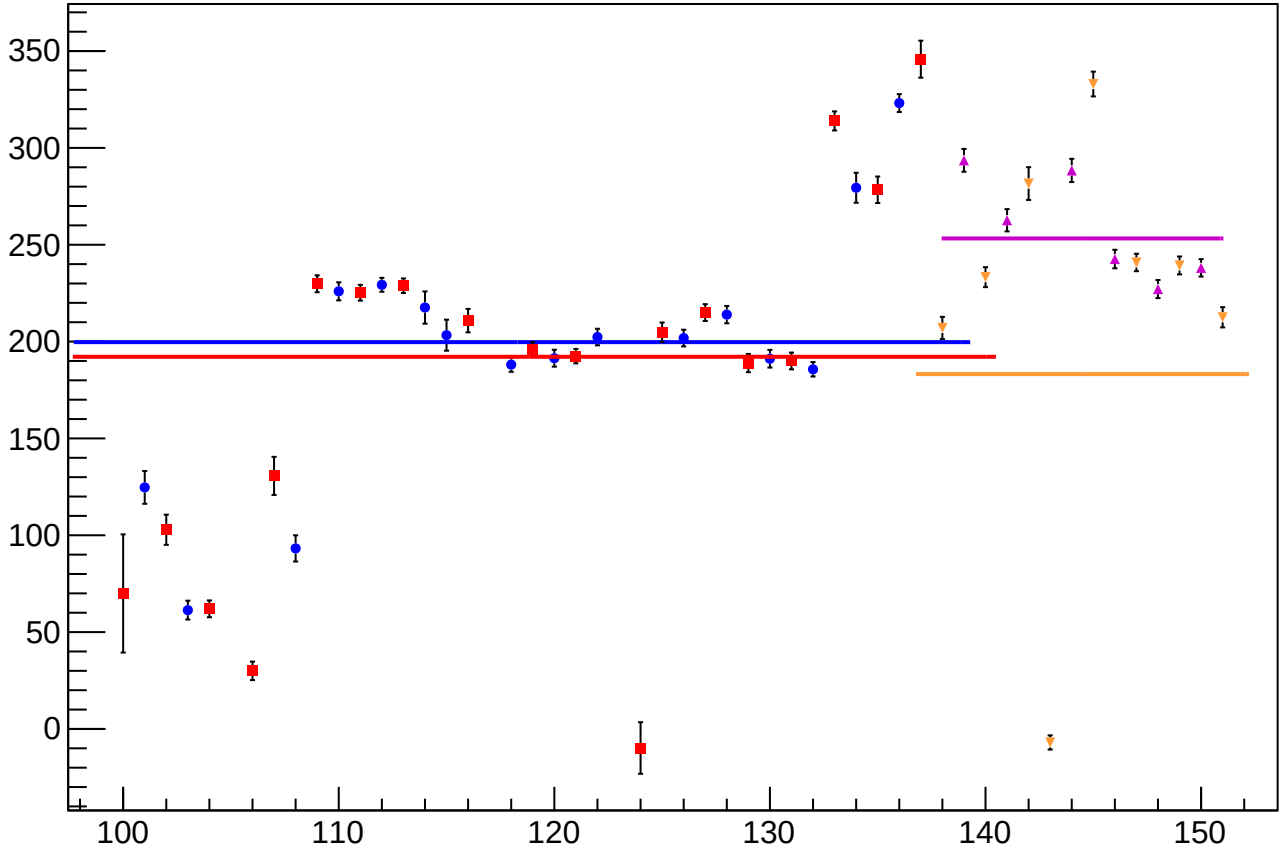
Left In: 21.726+/-1.373 χ^2/NDF:46.3/5

+ sign 17.082+/-0.779 χ^2/NDF: 184.1/23

All: 17.528+/-0.567 χ^2/NDF: 306.0/48

- sign 18.031+/-0.827 χ^2/NDF: 121.2/24

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 199.722+/-1.196 χ^2/NDF: 2101.6/15

Left Out: 183.211+/-1.785 χ^2/NDF:3838.7/7

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

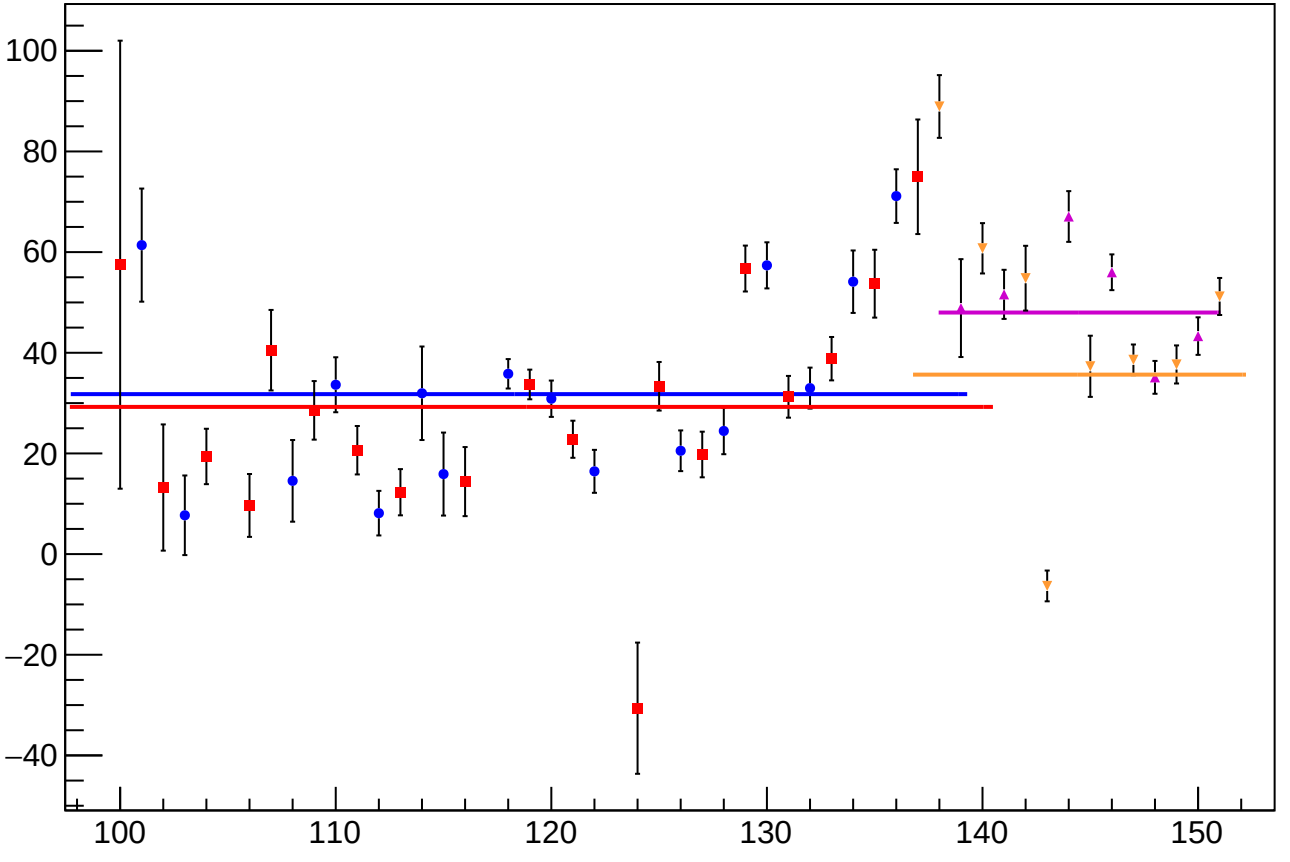
Left In: 253.256+/-2.103 χ^2/NDF:131.6/5

+ sign 194.606+/-0.993 χ^2/NDF: 5999.4/23

All: 200.327+/-0.708 χ^2/NDF: 10625.3/48

- sign 206.233+/-1.009 χ^2/NDF: 4558.5/24

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 35.658+/-1.450 χ^2/NDF:314.6/7

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

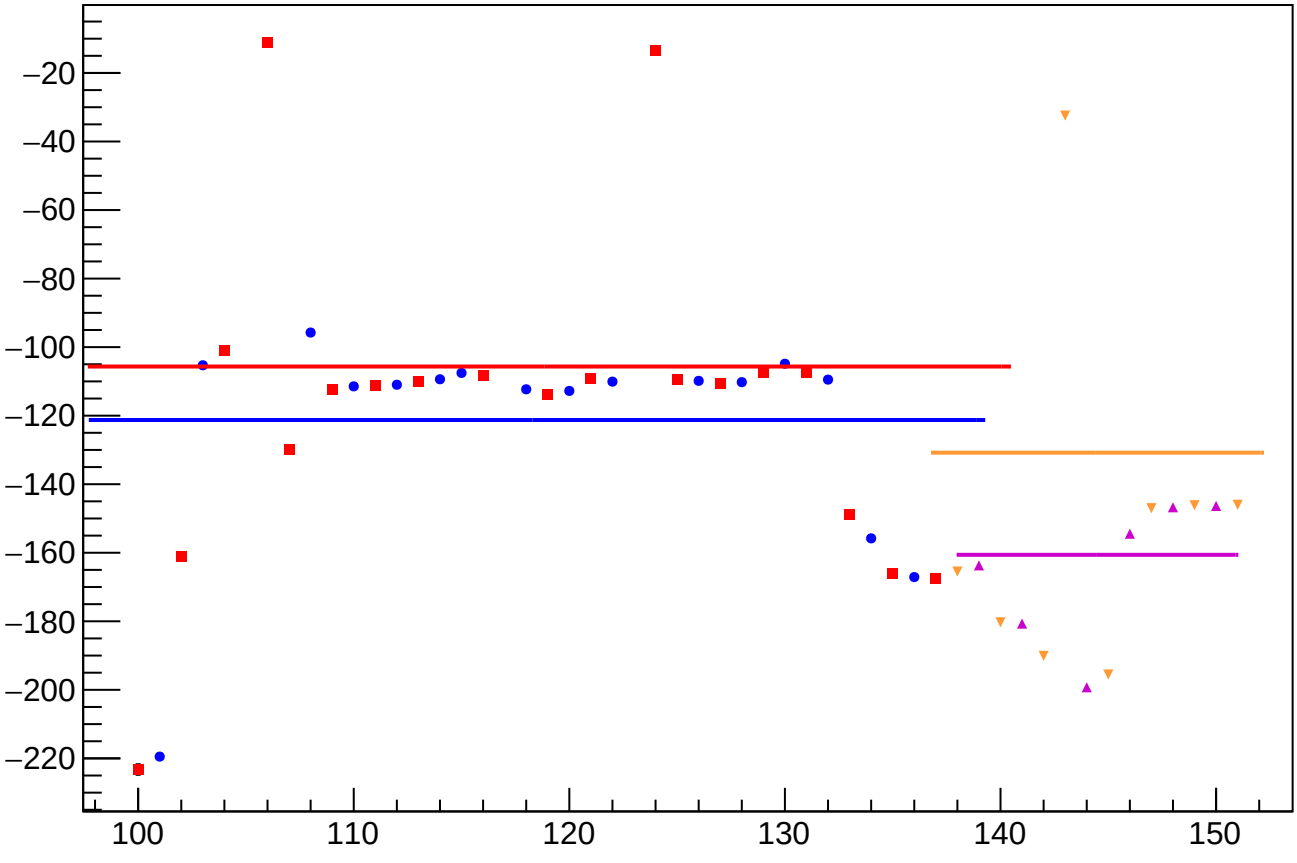
Left In: 47.994+/-1.723 χ^2/NDF:37.1/5

+ sign 33.383+/-0.932 χ^2/NDF: 495.8/23

All: 34.313+/-0.676 χ^2/NDF: 755.9/48

- sign 35.348+/-0.983 χ^2/NDF: 257.9/24

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -130.796+/-0.075 χ^2/NDF:600760.7/7

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

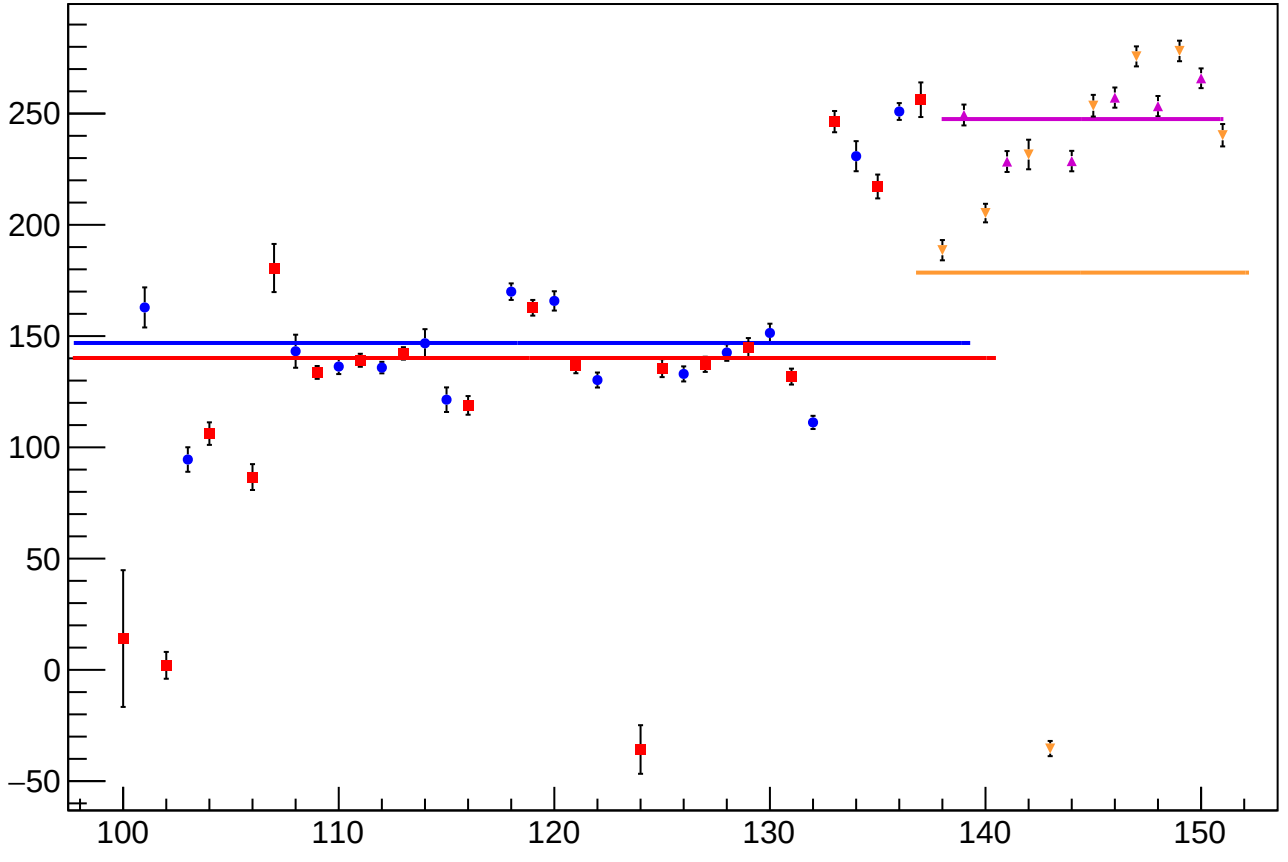
Left In: -160.603+/-0.086 χ^2/NDF:40488.9/5

+ sign -126.321+/-0.054 χ^2/NDF: 727829.1/23

All: -127.804+/-0.039 χ^2/NDF: 1358681.6/48

- sign -129.400+/-0.056 χ^2/NDF: 629302.7/24

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 178.529+/-1.597 χ^2/NDF:5343.7/7

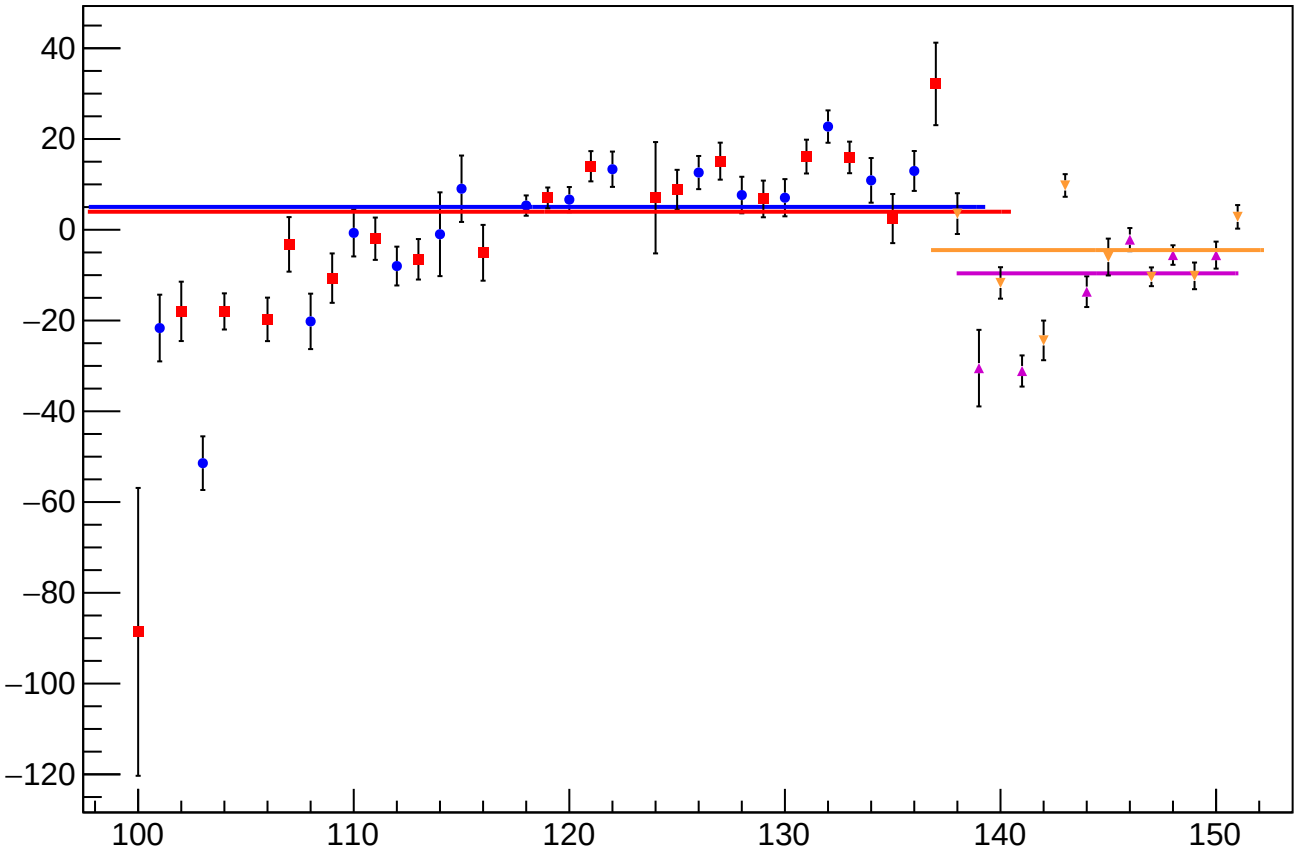
Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

Left In: 247.534+/-1.871 χ^2/NDF:56.8/5

\+ sign 155.851+/-0.850 χ^2/NDF: 6926.7/23

All: 159.173+/-0.602 χ^2/NDF: 11572.0/48

\- sign 162.530+/-0.854 χ^2/NDF: 4614.5/24



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: -4.479+/-1.051 χ^2/NDF:80.9/7

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

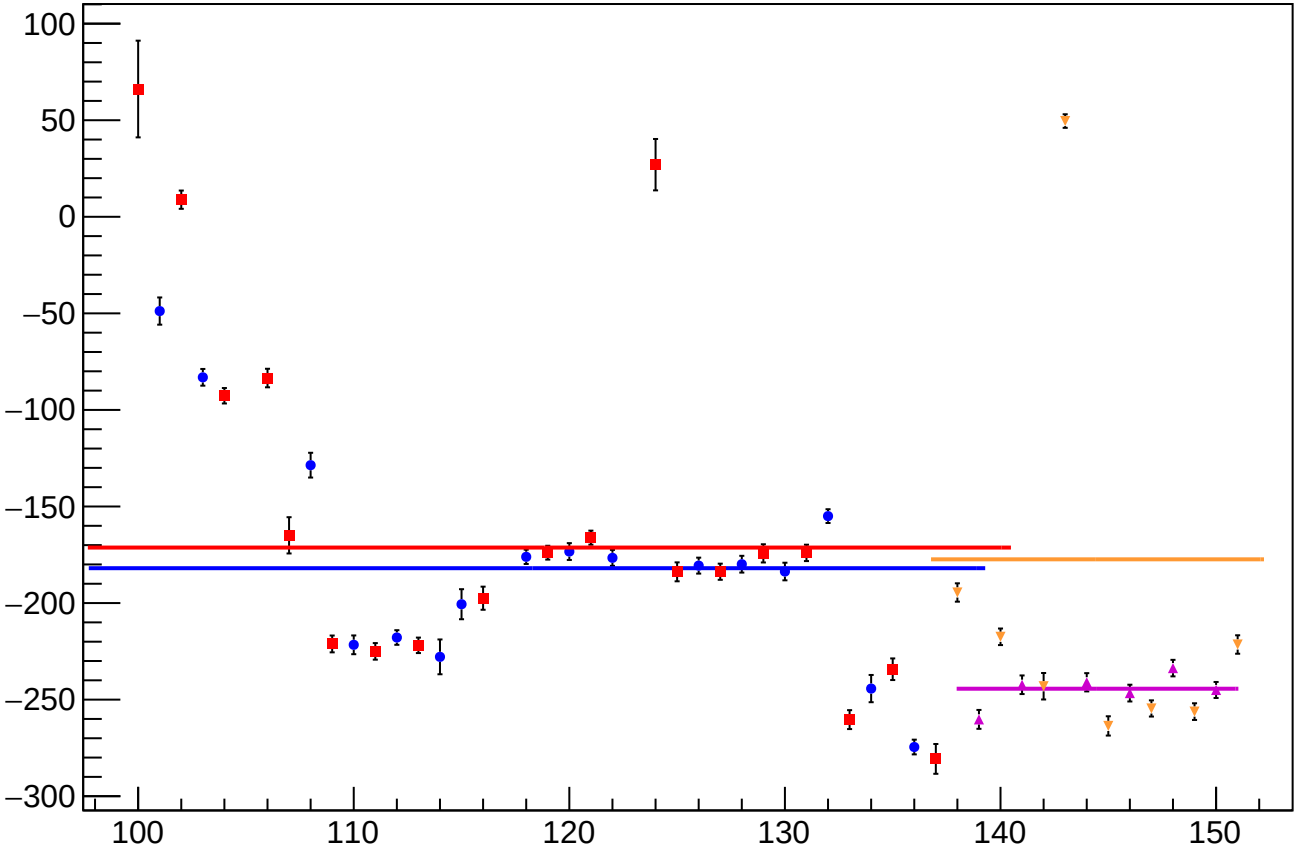
Left In: -9.603+/-1.223 χ^2/NDF:60.7/5

+ sign 0.418+/-0.732 χ^2/NDF: 294.9/23

All: -0.502+/-0.534 χ^2/NDF: 577.0/48

- sign -1.546+/-0.780 χ^2/NDF: 278.7/24

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -181.947+/-1.154 χ^2/NDF: 1870.4/15

Left Out: -177.357+/-1.591 χ^2/NDF:5412.8/7

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

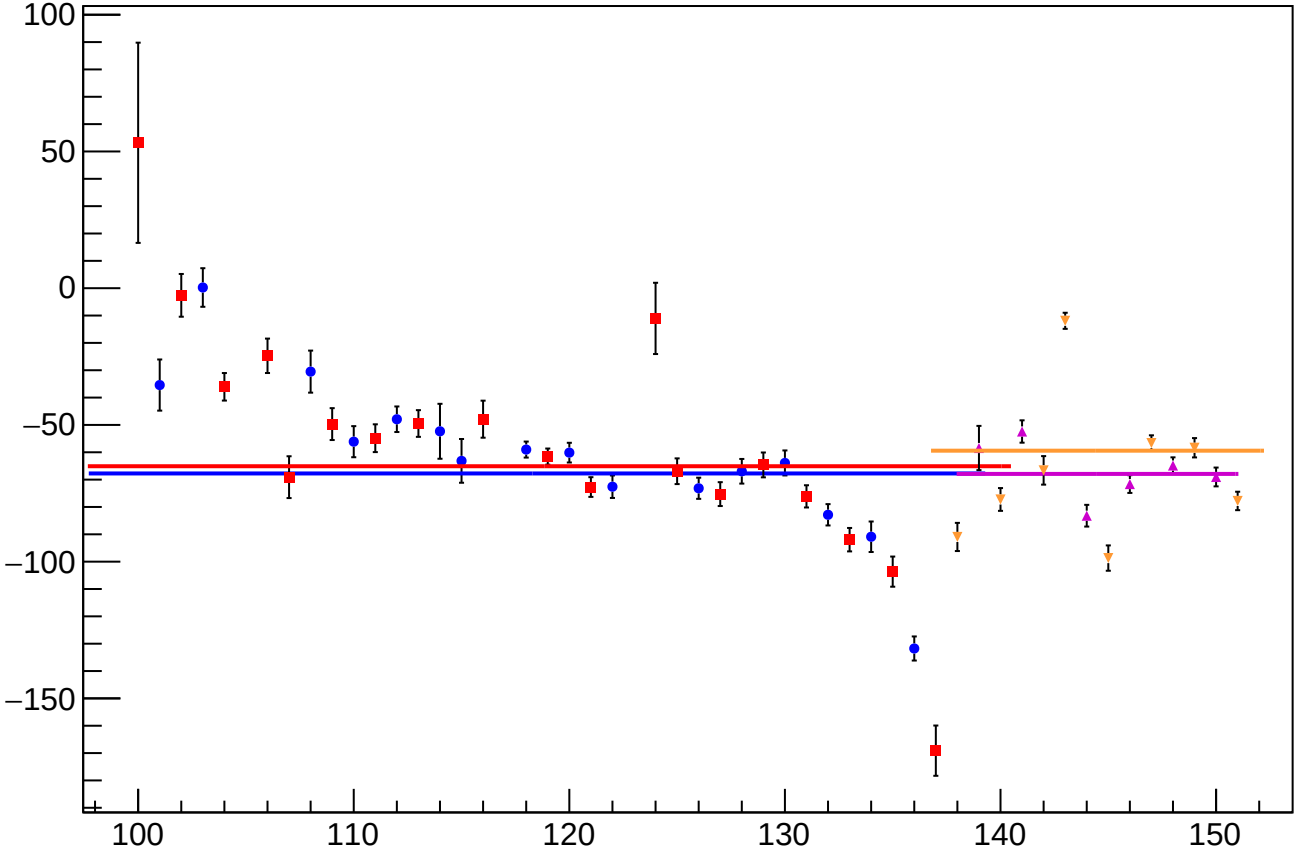
Left In: -244.353+/-1.839 χ^2/NDF:17.8/5

+ sign -180.364+/-0.934 χ^2/NDF: 7288.7/23

All: -185.492+/-0.666 χ^2/NDF: 12153.2/48

- sign -190.807+/-0.951 χ^2/NDF: 4803.1/24

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.745+/-1.181 χ^2/NDF: 414.0/15

Left Out: -59.417+/-1.306 χ^2/NDF:421.4/7

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

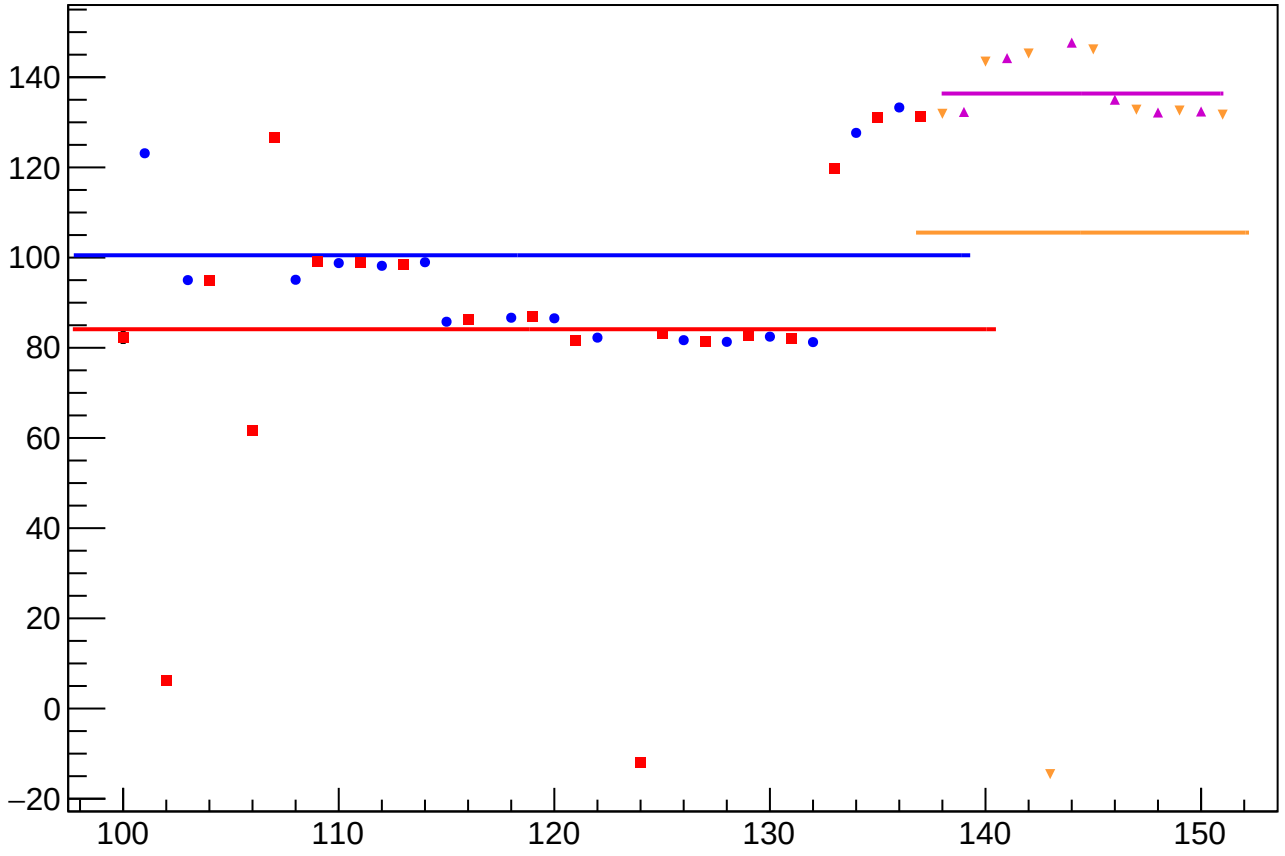
Left In: -67.915+/-1.525 χ^2/NDF:33.0/5

+ sign -63.997+/-0.876 χ^2/NDF: 857.8/23

All: -65.009+/-0.637 χ^2/NDF: 1324.9/48

- sign -66.142+/-0.927 χ^2/NDF: 464.2/24

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 105.547+/-0.066 χ^2/NDF:860023.9/7

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

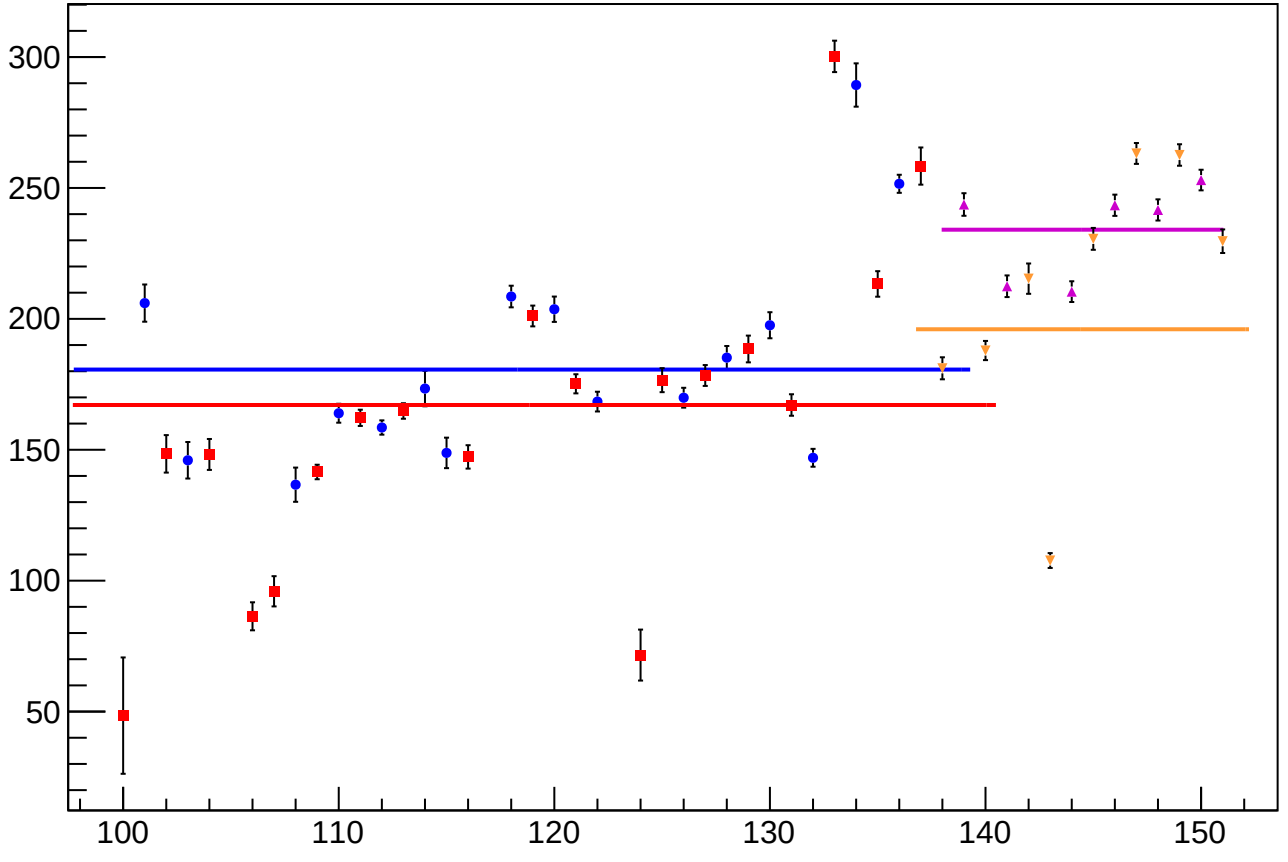
Left In: 136.382+/-0.075 χ^2/NDF:6188.4/5

+ sign 103.303+/-0.049 χ^2/NDF: 930050.3/23

All: 105.678+/-0.035 χ^2/NDF: 1467515.7/48

- sign 108.192+/-0.051 χ^2/NDF: 532707.6/24

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: 196.029+/-1.396 χ^2/NDF:1665.3/7

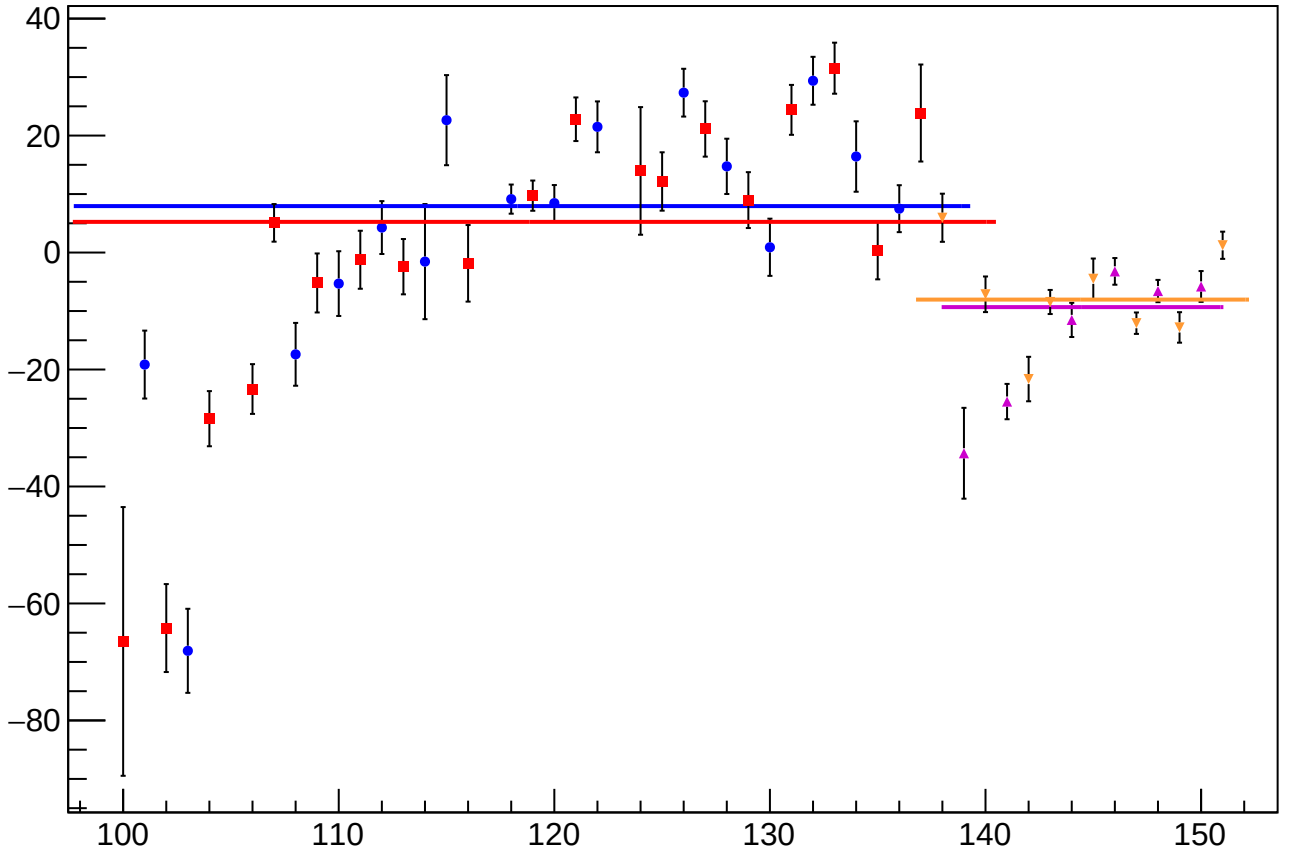
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 234.057+/-1.661 χ^2/NDF:99.9/5

+ sign 186.465+/-0.859 χ^2/NDF: 2734.3/23

All: 185.968+/-0.611 χ^2/NDF: 5498.9/48

- sign 185.459+/-0.870 χ^2/NDF: 2764.0/24



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -8.044+/-0.919 χ^2/NDF:49.7/7

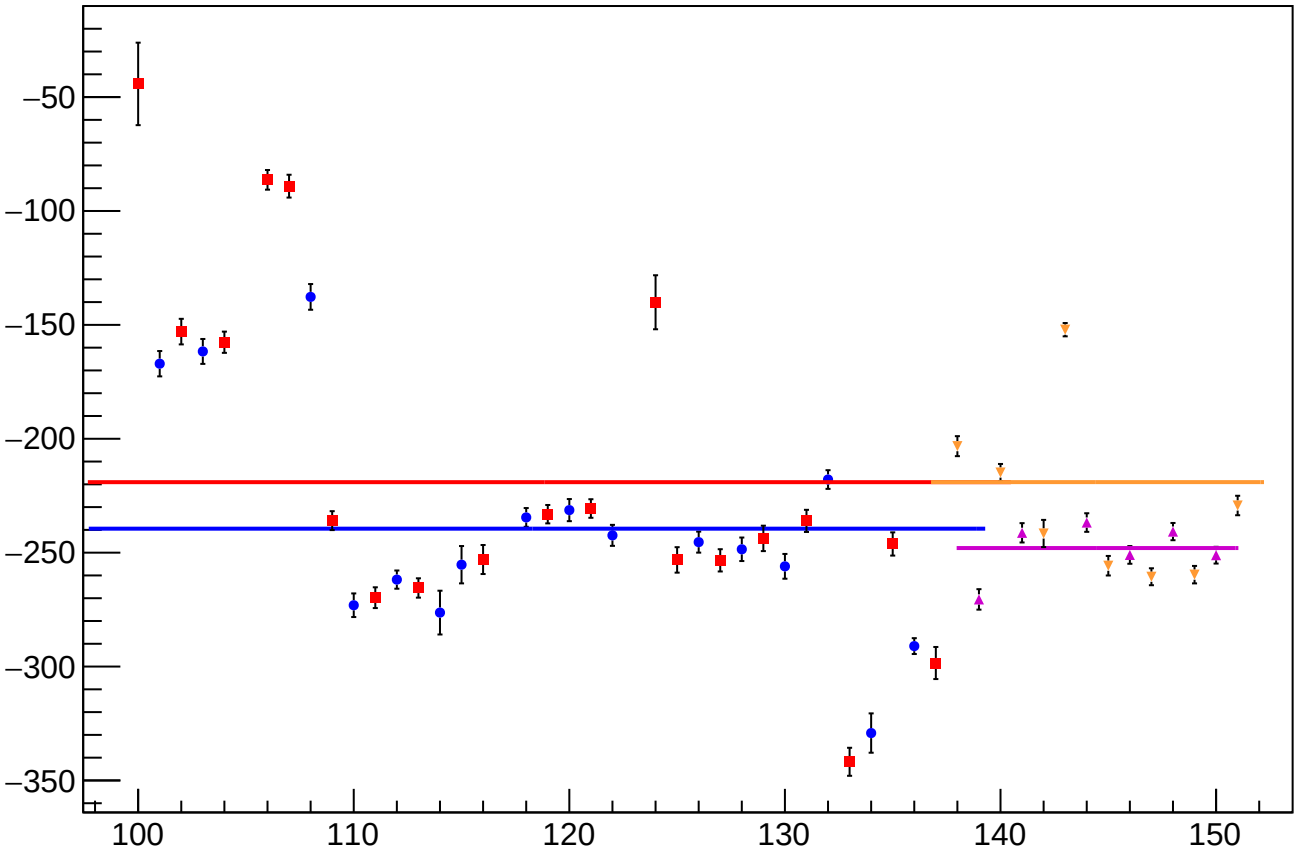
Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -9.330+/-1.081 χ^2/NDF:50.5/5

+ sign -1.568+/-0.709 χ^2/NDF: 405.3/23

All: -1.728+/-0.518 χ^2/NDF: 851.3/48

- sign -1.912+/-0.758 χ^2/NDF: 445.9/24



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -219.030+/-1.391 χ^2/NDF:868.6/7

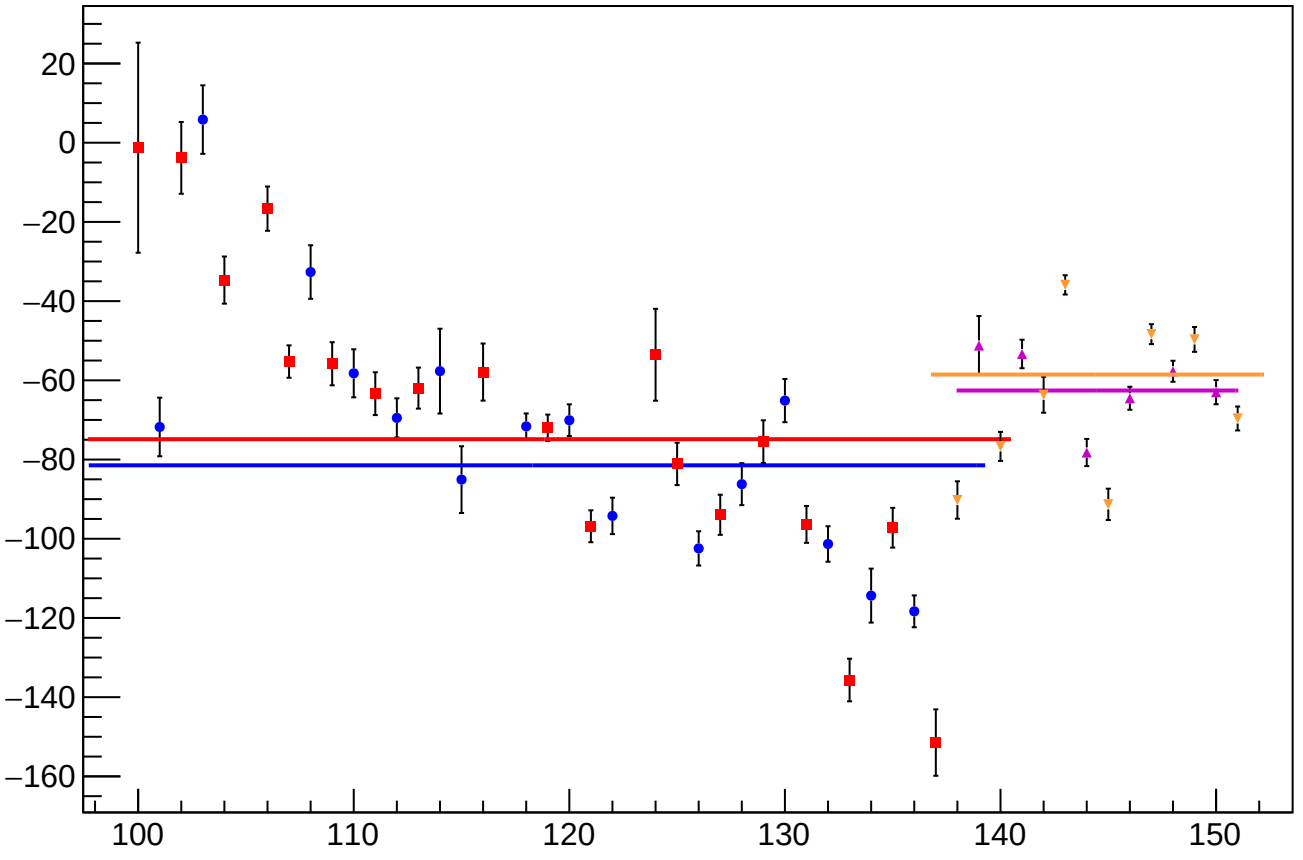
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -247.975+/-1.632 χ^2/NDF:40.2/5

+ sign -230.375+/-0.928 χ^2/NDF: 2150.7/23

All: -229.677+/-0.665 χ^2/NDF: 5448.0/48

- sign -228.938+/-0.954 χ^2/NDF: 3296.1/24



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -58.541+/-1.140 χ^2/NDF:263.7/7

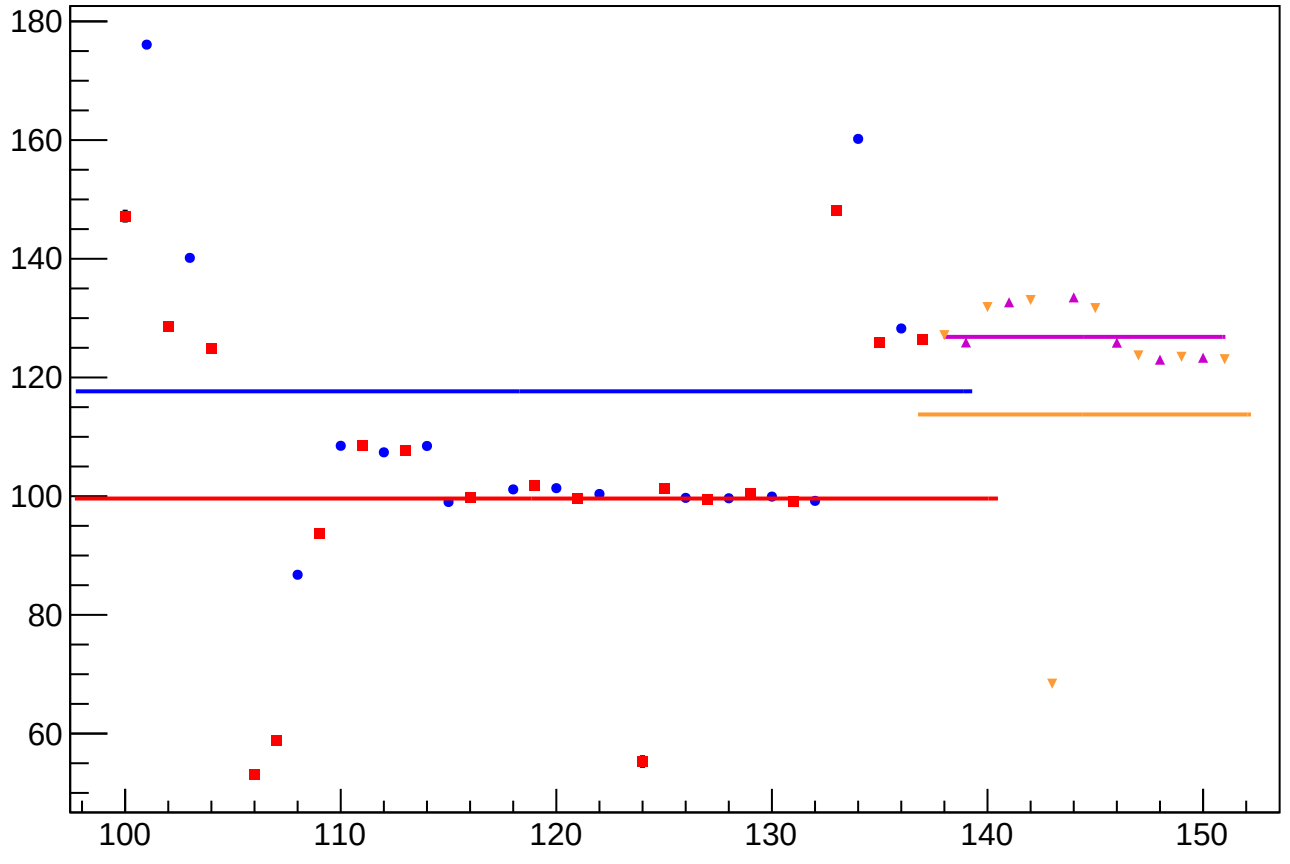
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -62.568+/-1.349 χ^2/NDF:33.6/5

+ sign -68.618+/-0.853 χ^2/NDF: 808.0/23

All: -68.929+/-0.622 χ^2/NDF: 1463.8/48

- sign -69.282+/-0.909 χ^2/NDF: 655.5/24



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 113.768+/-0.058 χ^2/NDF:183964.2/7

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

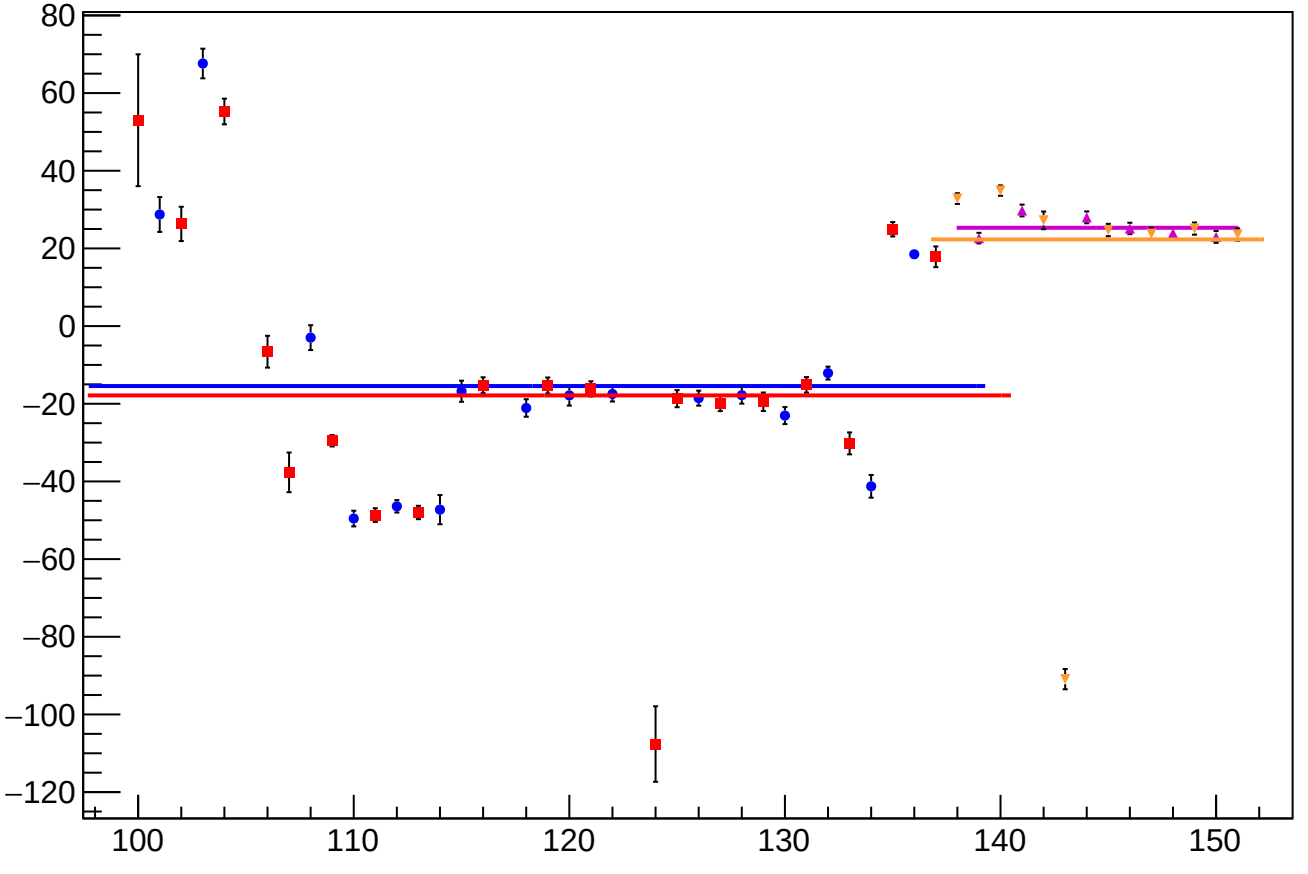
Left In: 126.842+/-0.067 χ^2/NDF:3708.8/5

+ sign 115.154+/-0.047 χ^2/NDF: 280960.1/23

All: 114.575+/-0.034 χ^2/NDF: 530303.1/48

- sign 113.954+/-0.048 χ^2/NDF: 249023.9/24

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: 22.317+/-0.576 χ^2/NDF:2035.6/7

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

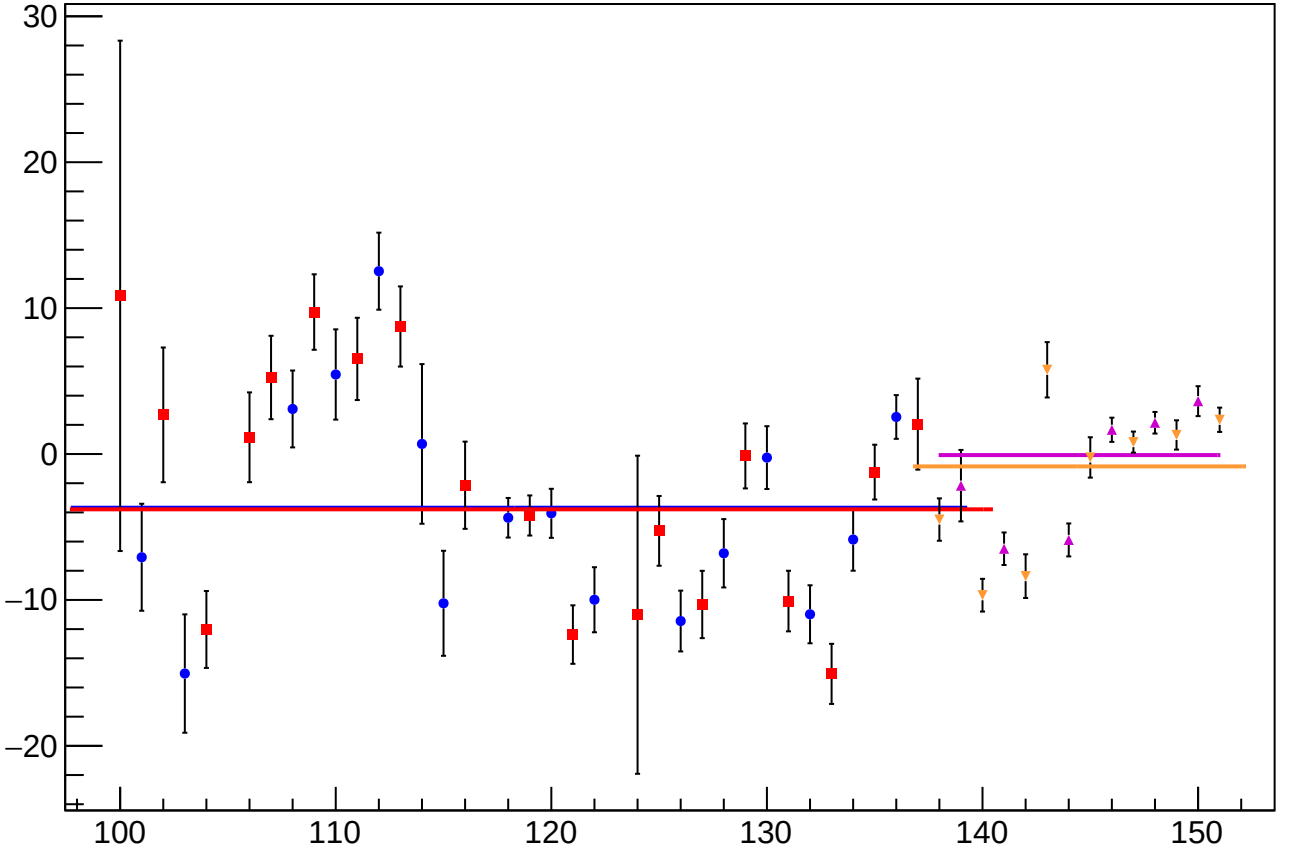
Left In: 25.311+/-0.608 χ^2/NDF:18.7/5

+ sign 2.200+/-0.393 χ^2/NDF: 6451.7/23

All: 1.495+/-0.280 χ^2/NDF: 11466.5/48

- sign 0.769+/-0.399 χ^2/NDF: 5008.3/24

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -0.848+/-0.382 χ^2/NDF:130.6/7

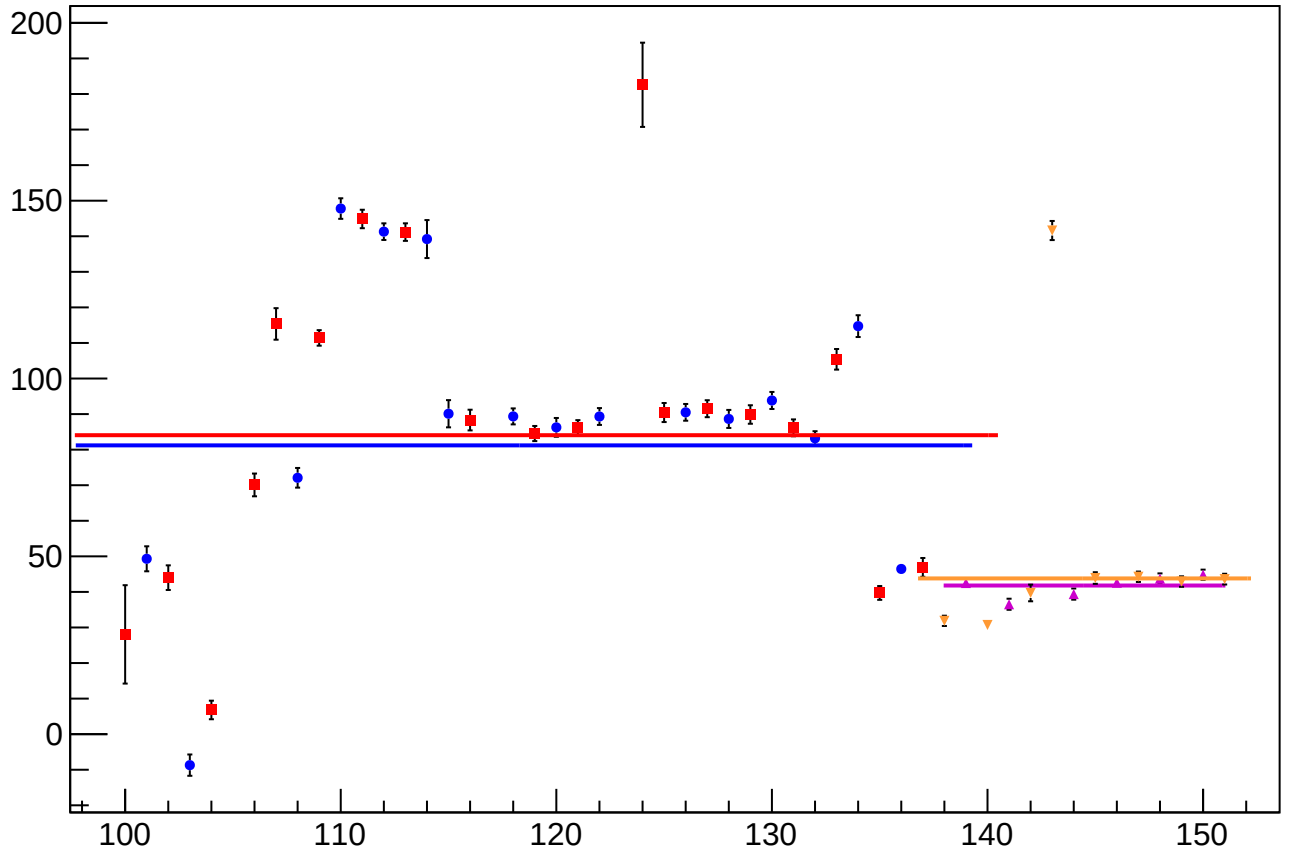
Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -0.072+/-0.409 χ^2/NDF:86.7/5

+ sign -1.763+/-0.314 χ^2/NDF: 272.3/23

All: -1.569+/-0.228 χ^2/NDF: 549.6/48

- sign -1.354+/-0.331 χ^2/NDF: 276.4/24



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 43.792+/-0.571 χ^2/NDF:1487.3/7

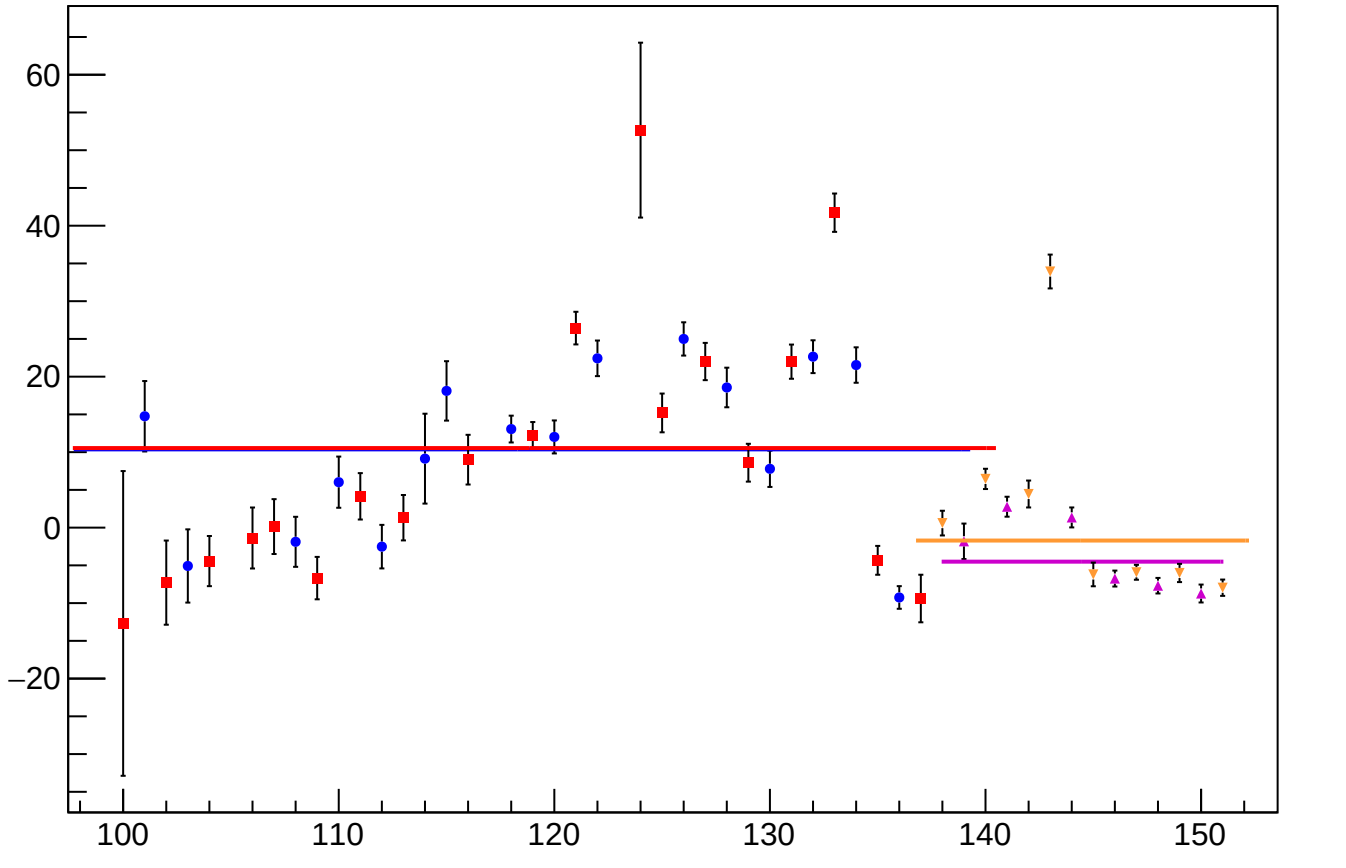
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 41.798+/-0.600 χ^2/NDF:20.7/5

+ sign 61.346+/-0.416 χ^2/NDF: 6733.7/23

All: 61.842+/-0.299 χ^2/NDF: 12378.0/48

- sign 62.372+/-0.430 χ^2/NDF: 5641.4/24



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: -1.711+/-0.476 χ^2/NDF:376.3/7

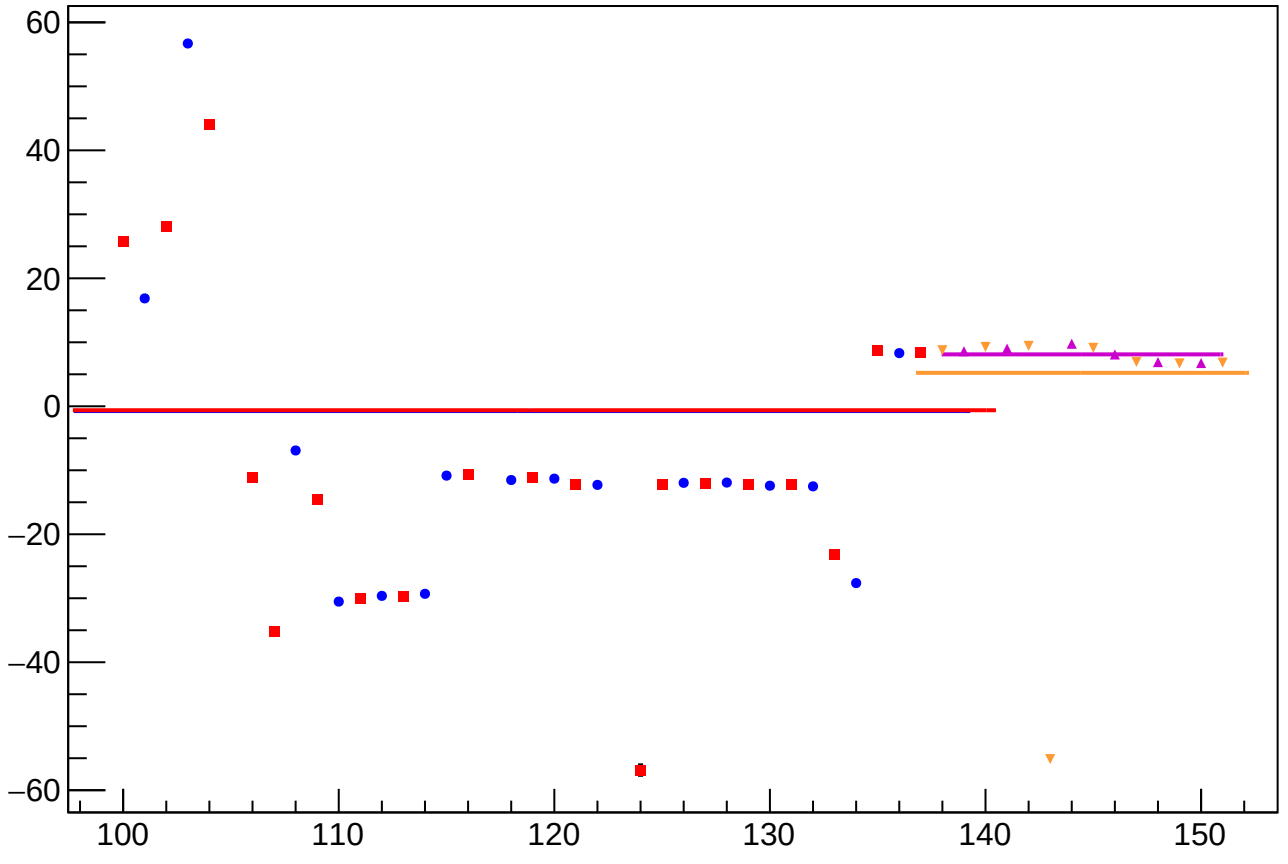
Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -4.509+/-0.508 χ^2/NDF:78.0/5

\+ sign 2.708+/-0.379 χ^2/NDF: 971.8/23

All: 2.040+/-0.274 χ^2/NDF: 1866.0/48

\- sign 1.304+/-0.398 χ^2/NDF: 887.7/24



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 5.227+/-0.024 χ^2/NDF:307627.6/7

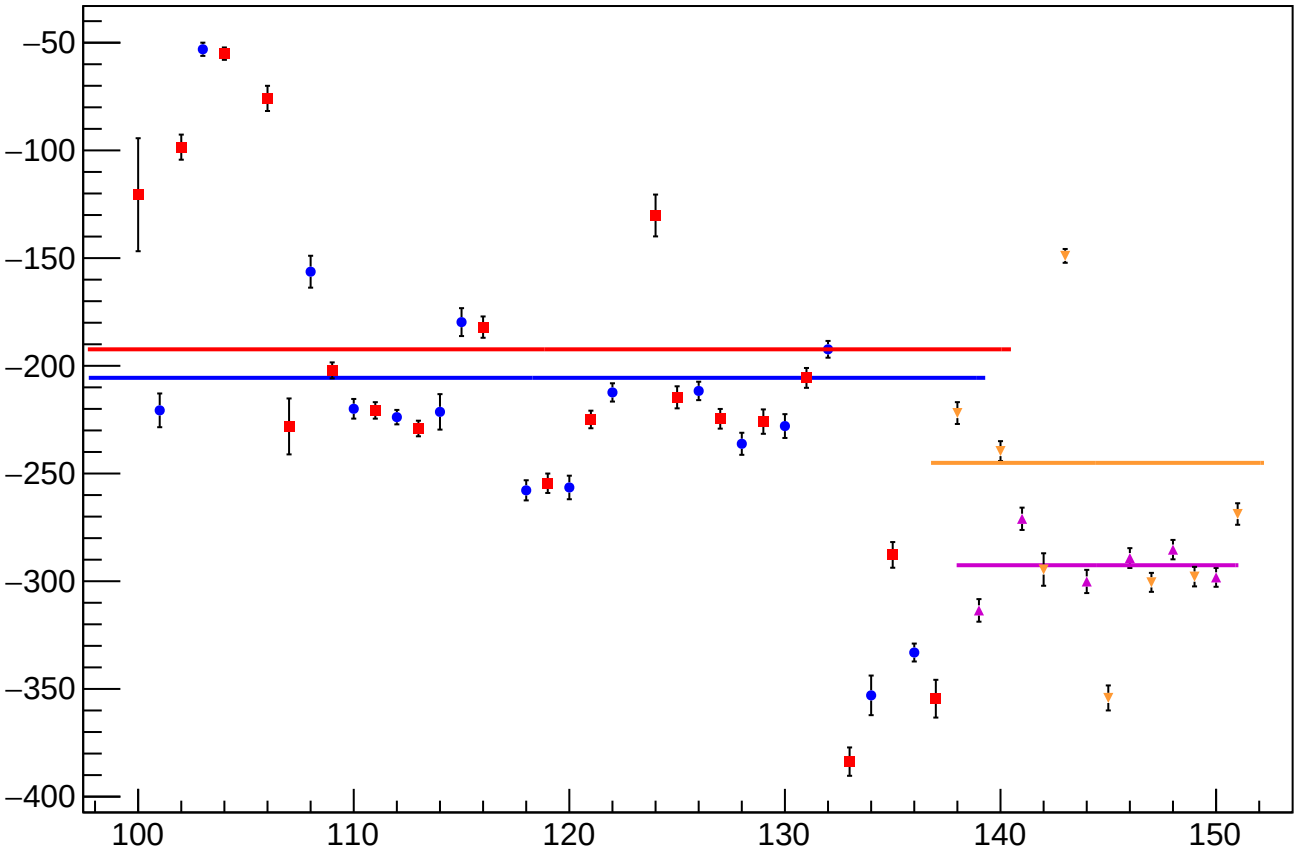
Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 8.114+/-0.024 χ^2/NDF:1819.2/5

+ sign 3.426+/-0.020 χ^2/NDF: 694971.1/23

All: 4.440+/-0.014 χ^2/NDF: 1057219.9/48

- sign 5.521+/-0.020 χ^2/NDF: 356778.1/24



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -245.052+/-1.642 χ^2/NDF:1632.9/7

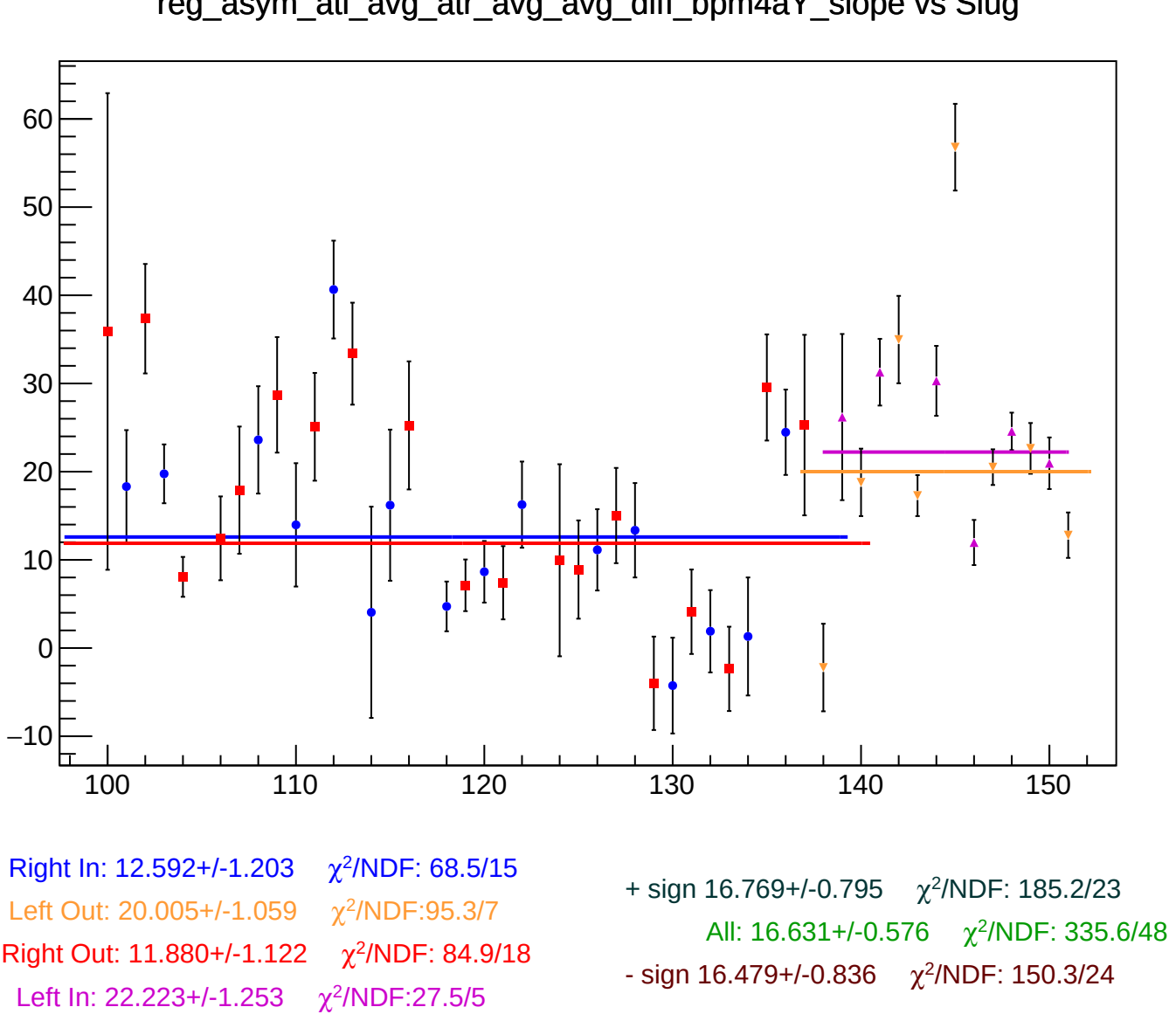
Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

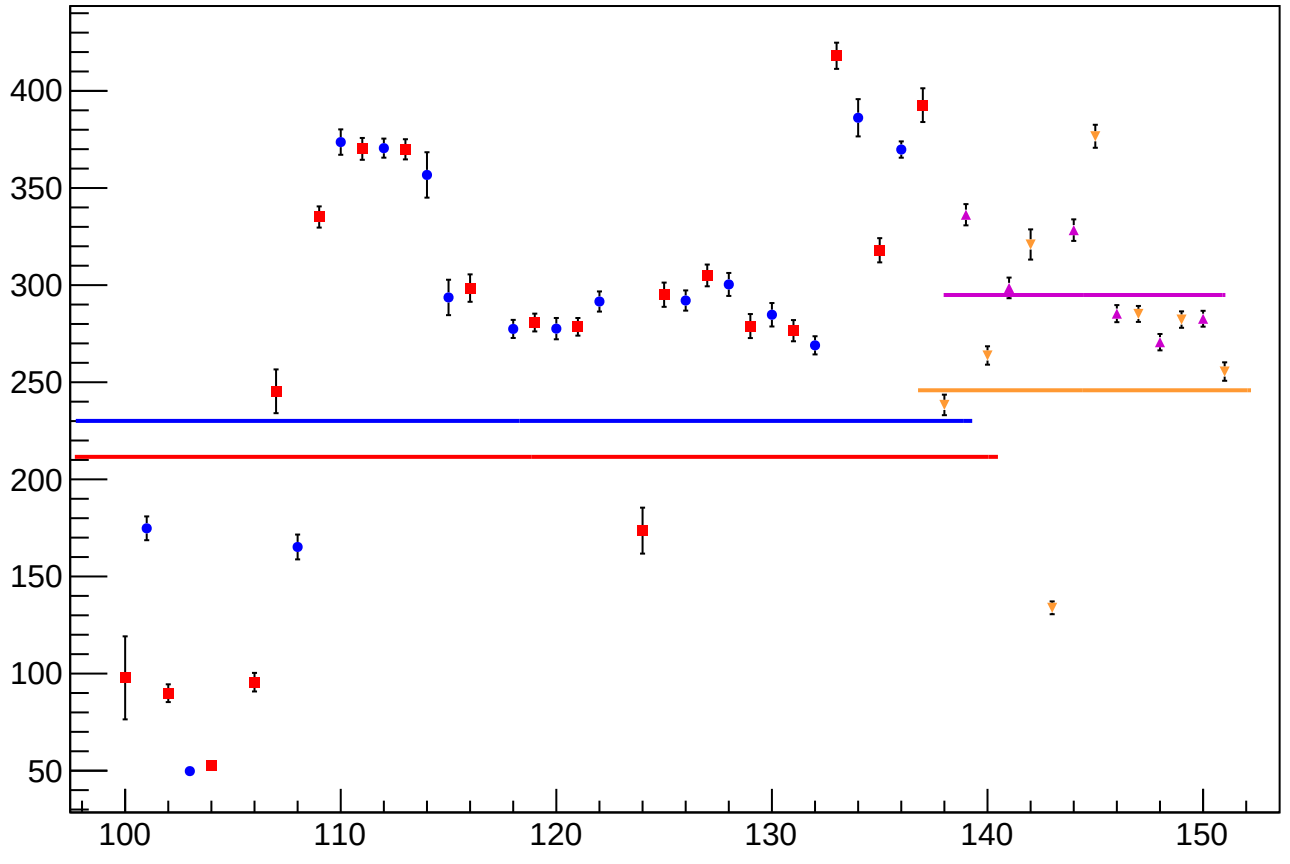
Left In: -292.571+/-1.973 χ^2/NDF:40.1/5

+ sign -219.092+/-0.961 χ^2/NDF: 6069.0/23

All: -217.993+/-0.685 χ^2/NDF: 13031.5/48

- sign -216.859+/-0.976 χ^2/NDF: 6959.8/24


reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug
60
50
40
30
20
10
0
−10
100
110
120
130
140
150
Right In: 12.592+/-1.203 χ²/NDF: 68.5/15
Left Out: 20.005+/-1.059 χ²/NDF:95.3/7
Right Out: 11.880+/-1.122 χ²/NDF: 84.9/18
Left In: 22.223+/-1.253 χ²/NDF:27.5/5
+ sign 16.769+/-0.795 χ²/NDF: 185.2/23
All: 16.631+/-0.576 χ²/NDF: 335.6/48
- sign 16.479+/-0.836 χ²/NDF: 150.3/24



Right In: 230.095+/-1.260 χ^2/NDF: 9375.6/15

Left Out: 245.864+/-1.629 χ^2/NDF:1919.7/7

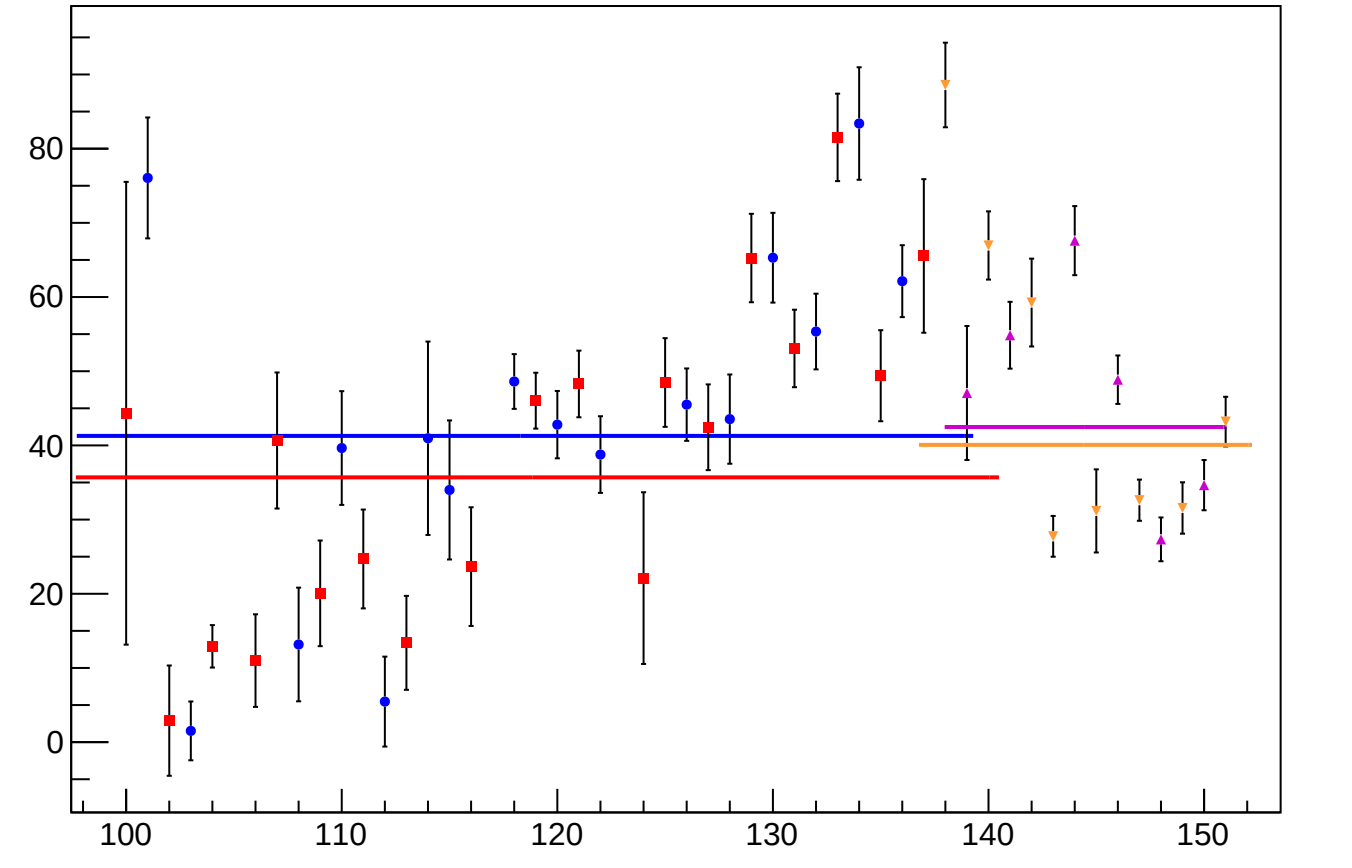
Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 294.923+/-1.927 χ^2/NDF:140.8/5

+ sign 235.996+/-0.996 χ^2/NDF: 11354.0/23

All: 235.382+/-0.711 χ^2/NDF: 24318.4/48

- sign 234.744+/-1.016 χ^2/NDF: 12963.6/24



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 40.071+/-1.321 χ^2/NDF:153.8/7

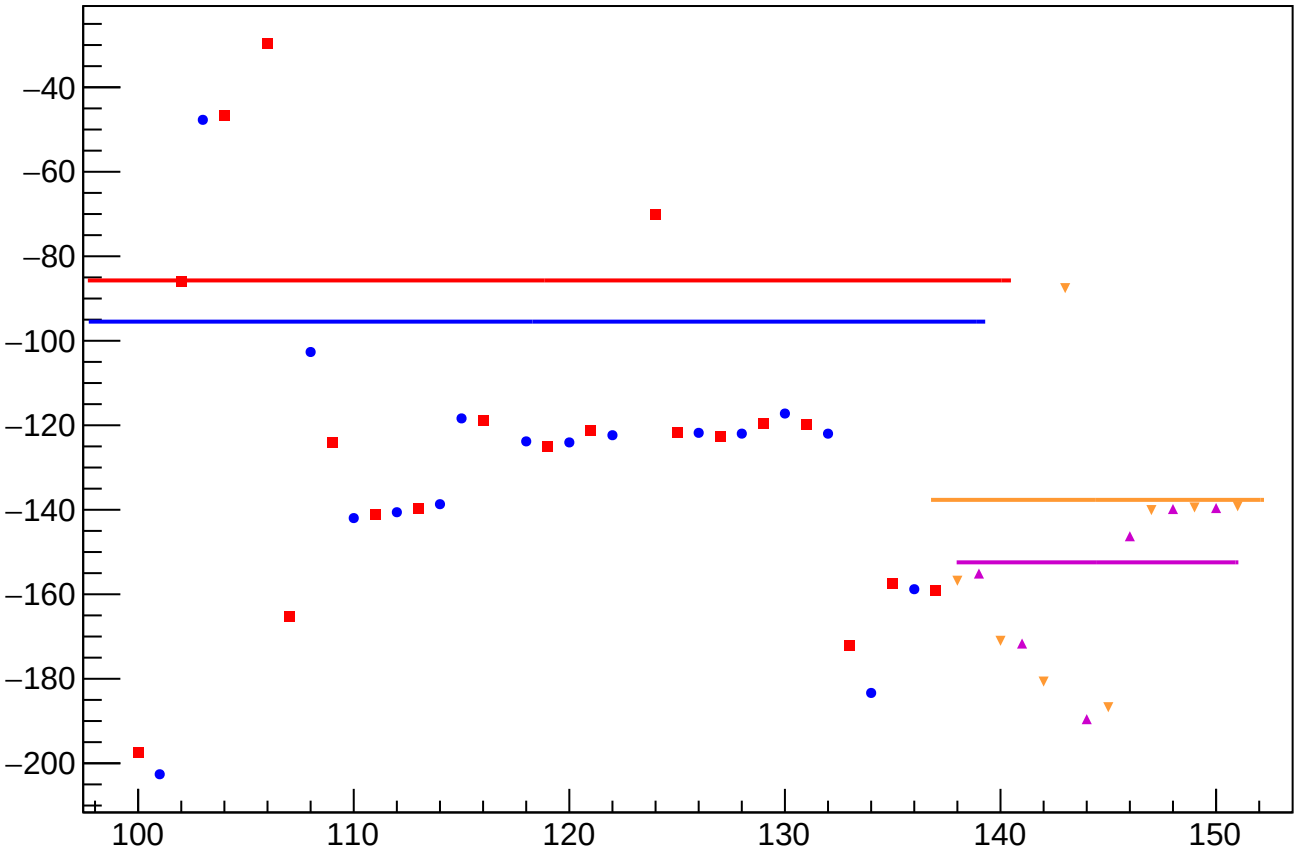
Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

Left In: 42.480+/-1.574 χ^2/NDF:72.4/5

+ sign 40.642+/-0.960 χ^2/NDF: 399.9/23

All: 39.620+/-0.696 χ^2/NDF: 738.9/48

- sign 38.487+/-1.010 χ^2/NDF: 336.5/24



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -137.652+/-0.068 χ^2/NDF:228280.4/7

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

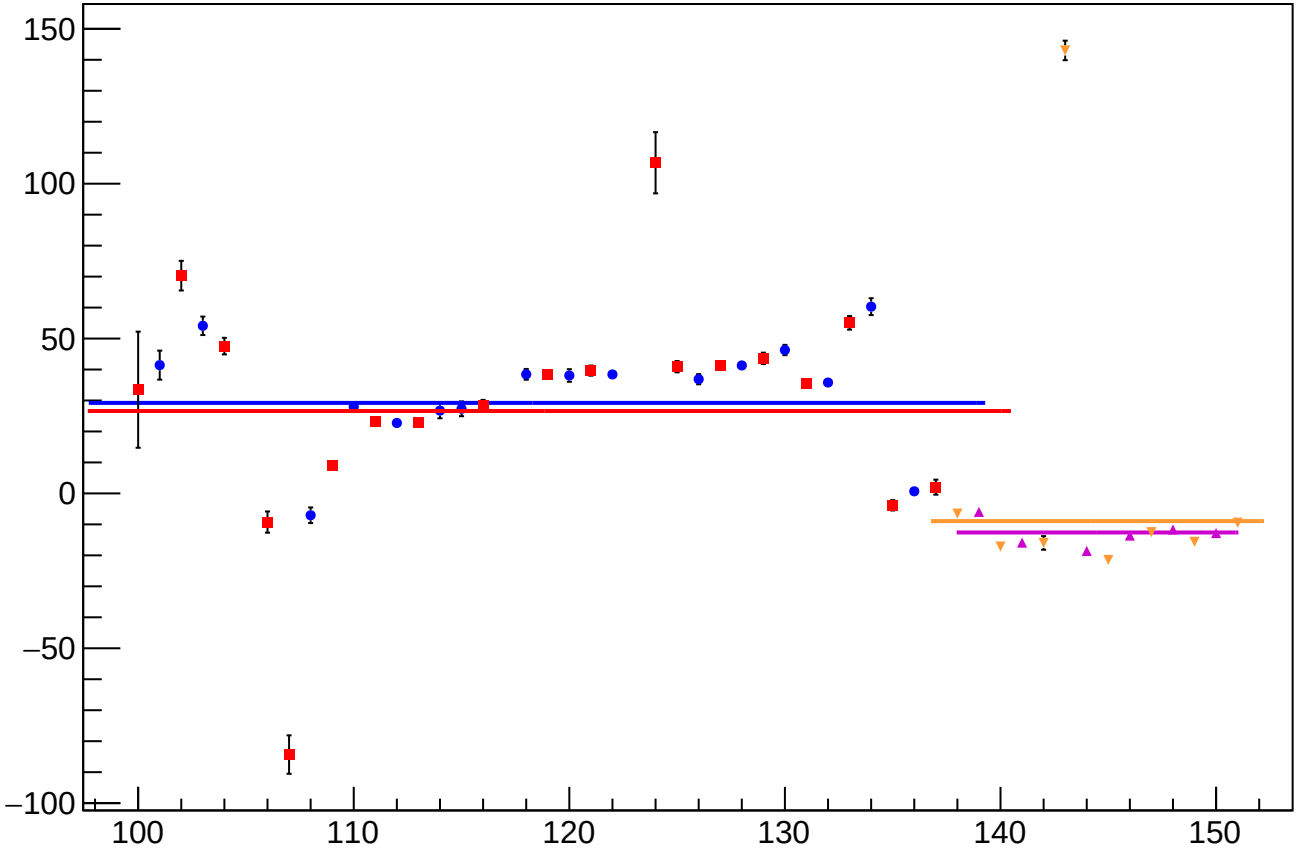
Left In: -152.443+/-0.079 χ^2/NDF:42783.8/5

+ sign -116.957+/-0.049 χ^2/NDF: 936161.7/23

All: -115.457+/-0.035 χ^2/NDF: 1881801.2/48

- sign -113.812+/-0.051 χ^2/NDF: 943646.5/24

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: -8.939+/-0.541 χ^2/NDF:2467.0/7

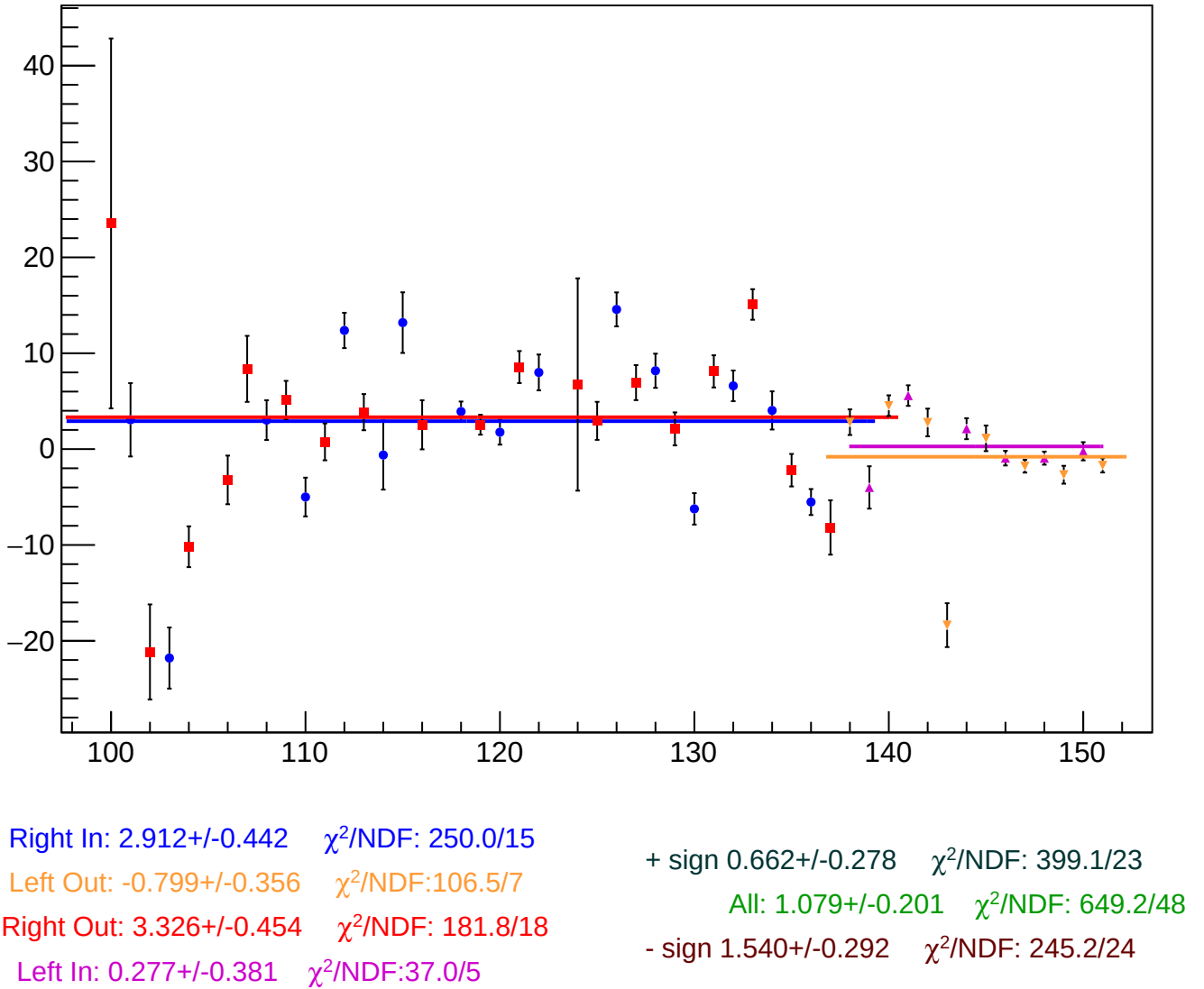
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

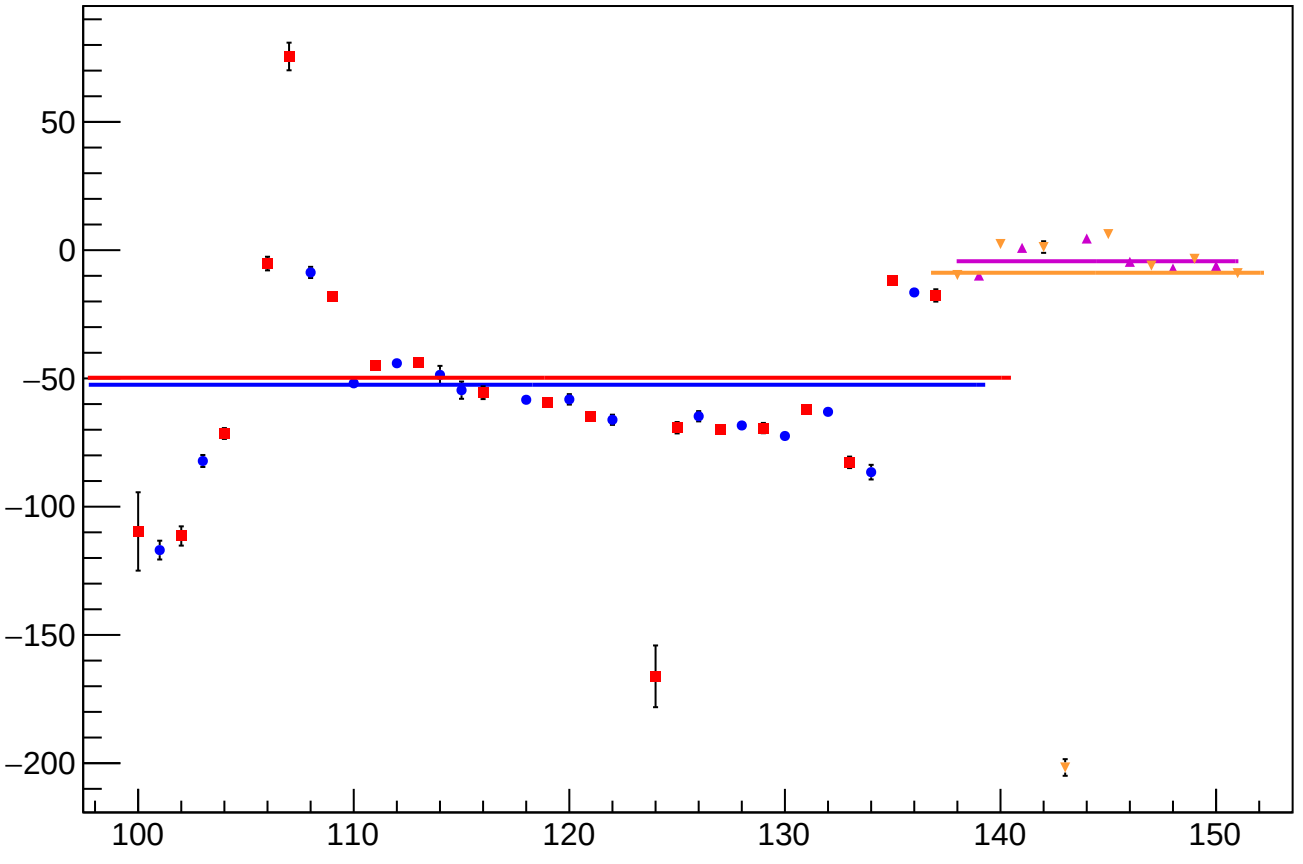
Left In: -12.612+/-0.566 χ^2/NDF:51.8/5

+ sign 14.708+/-0.334 χ^2/NDF: 6888.8/23

All: 13.827+/-0.236 χ^2/NDF: 12000.9/48

- sign 12.943+/-0.334 χ^2/NDF: 5098.2/24


reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug
40
30
20
10
0
−10
−20
100
110
120
130
140
150
Right In: 2.912+/-0.442 χ²/NDF: 250.0/15
Left Out: -0.799+/-0.356 χ²/NDF:106.5/7
Right Out: 3.326+/-0.454 χ²/NDF: 181.8/18
Left In: 0.277+/-0.381 χ²/NDF:37.0/5
+ sign 0.662+/-0.278 χ²/NDF: 399.1/23
All: 1.079+/-0.201 χ²/NDF: 649.2/48
- sign 1.540+/-0.292 χ²/NDF: 245.2/24



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -8.804+/-0.536 χ^2/NDF:3736.6/7

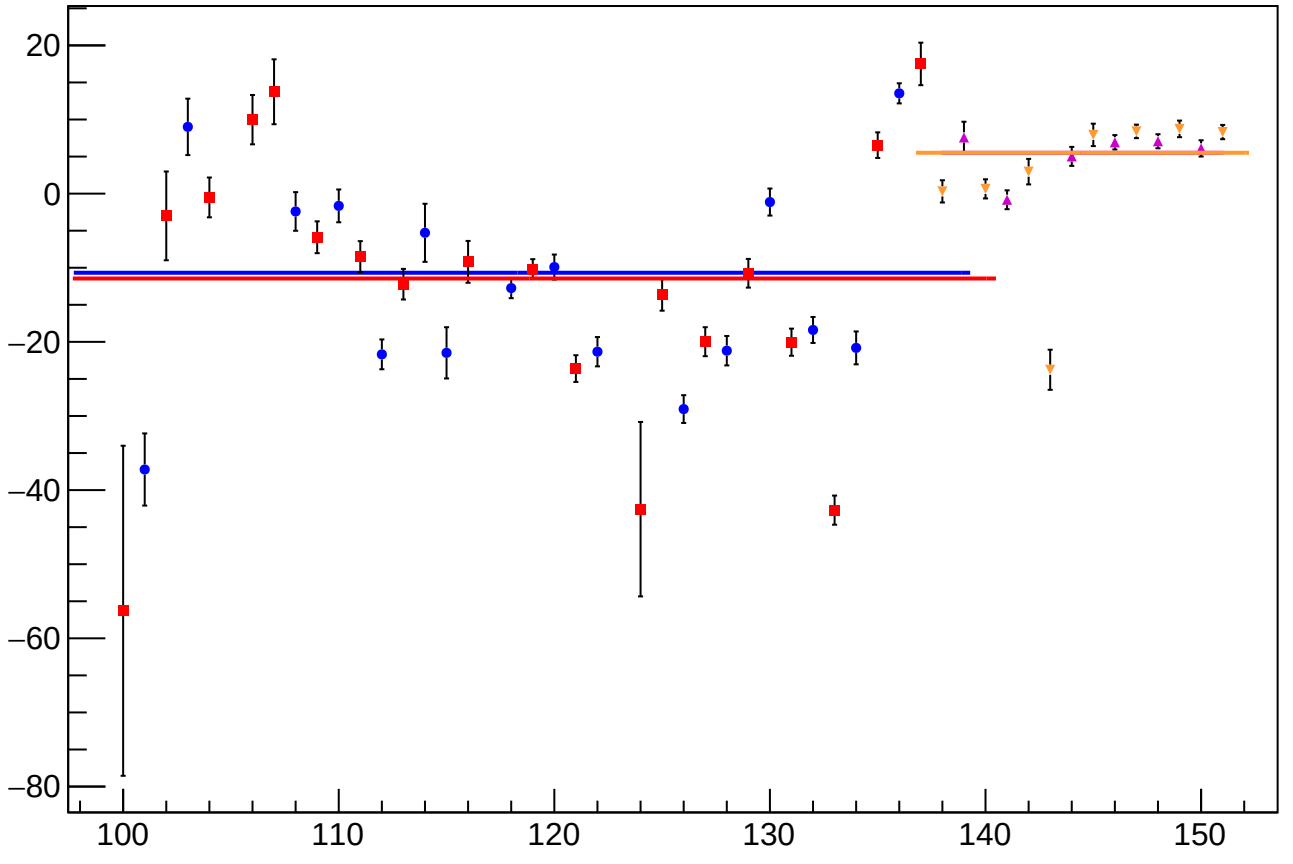
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -4.315+/-0.559 χ^2/NDF:71.4/5

+ sign -32.681+/-0.361 χ^2/NDF: 9697.7/23

All: -31.276+/-0.258 χ^2/NDF: 16519.9/48

- sign -29.797+/-0.370 χ^2/NDF: 6791.0/24



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 5.516+/-0.446 χ^2/NDF:174.8/7

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

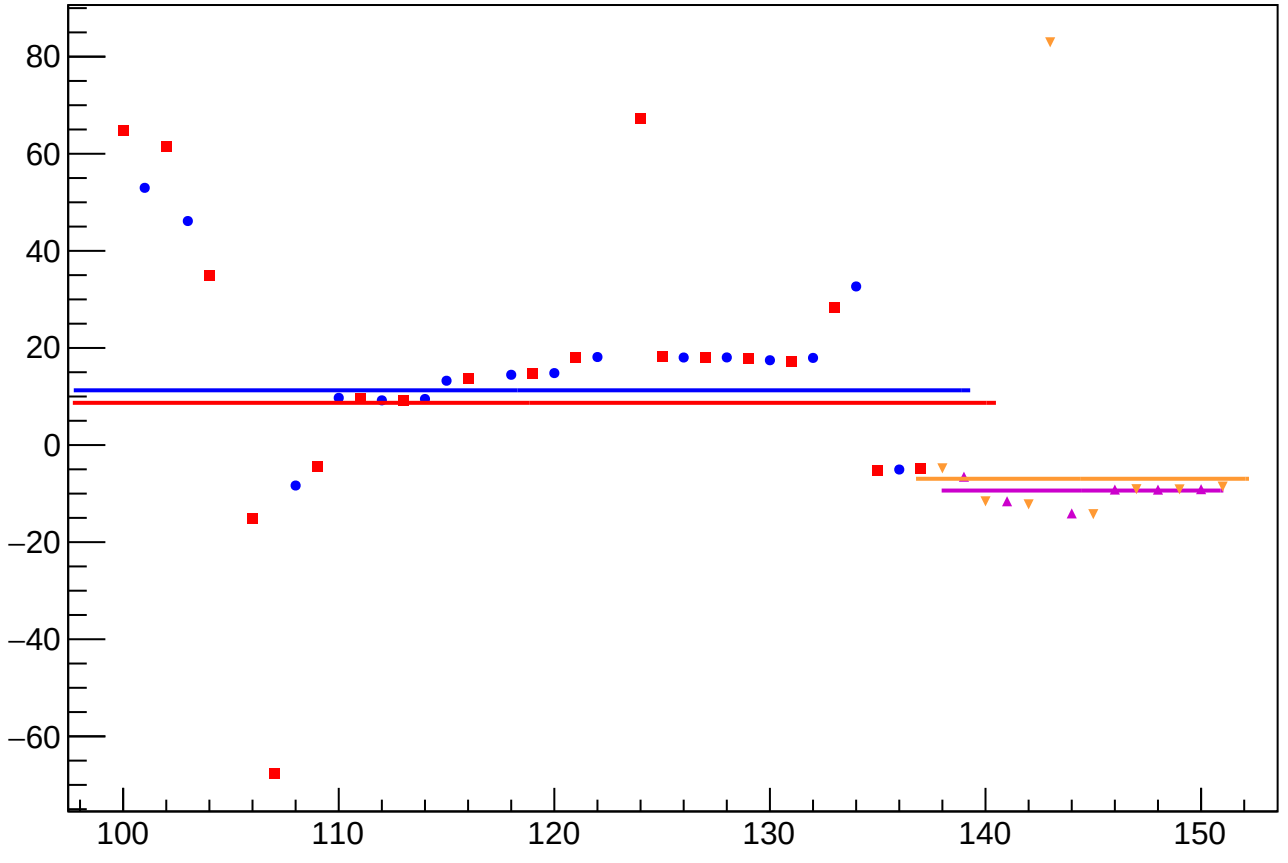
Left In: 5.504+/-0.474 χ^2/NDF:31.0/5

\+ sign -1.567+/-0.334 χ^2/NDF: 1418.4/23

All: -1.897+/-0.241 χ^2/NDF: 2702.4/48

\- sign -2.257+/-0.349 χ^2/NDF: 1281.9/24

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: -6.944+/-0.022 χ^2/NDF:471460.1/7

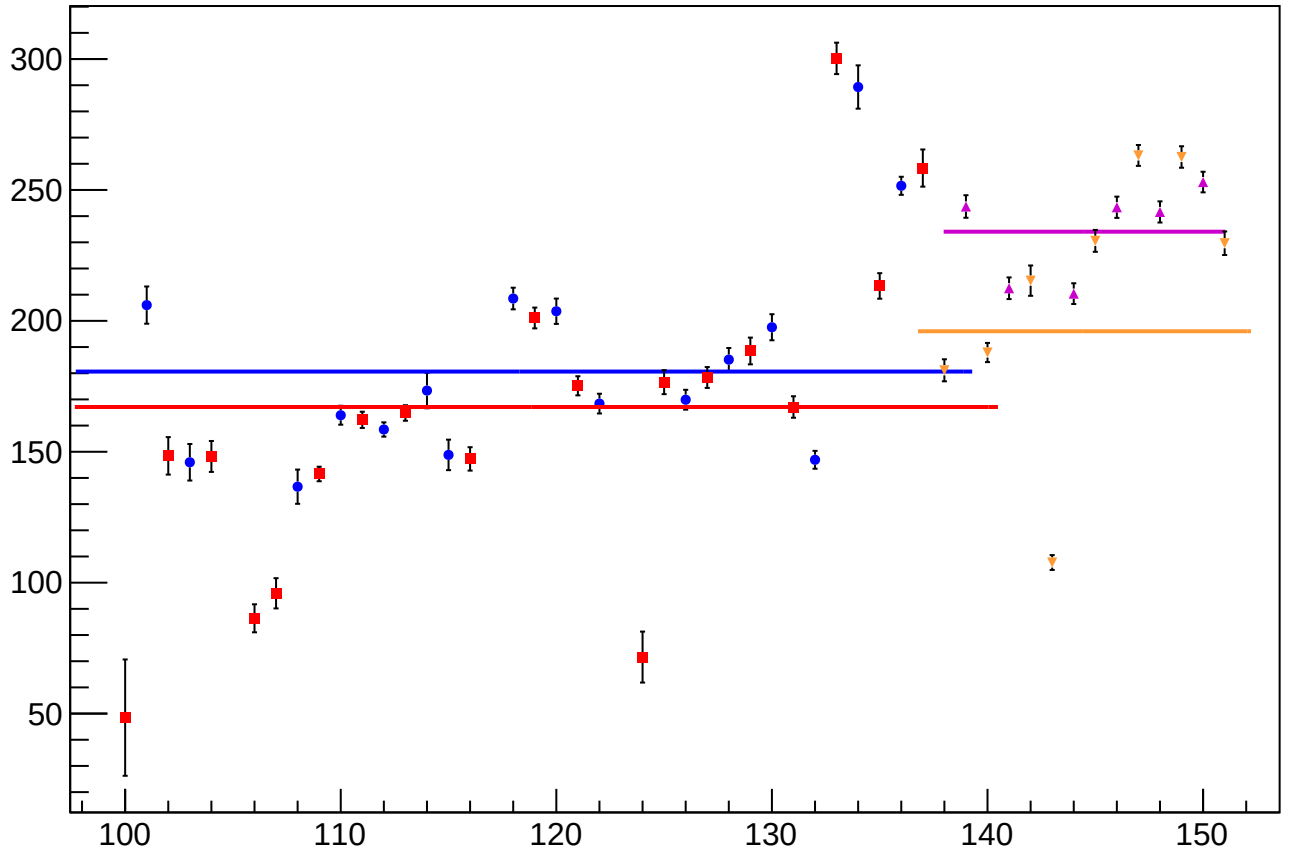
Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.371+/-0.023 χ^2/NDF:10067.8/5

+ sign -0.516+/-0.018 χ^2/NDF: 1060802.2/23

All: -1.839+/-0.013 χ^2/NDF: 1736941.9/48

- sign -3.241+/-0.018 χ^2/NDF: 664727.6/24



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 196.029+/-1.396 χ^2/NDF:1665.3/7

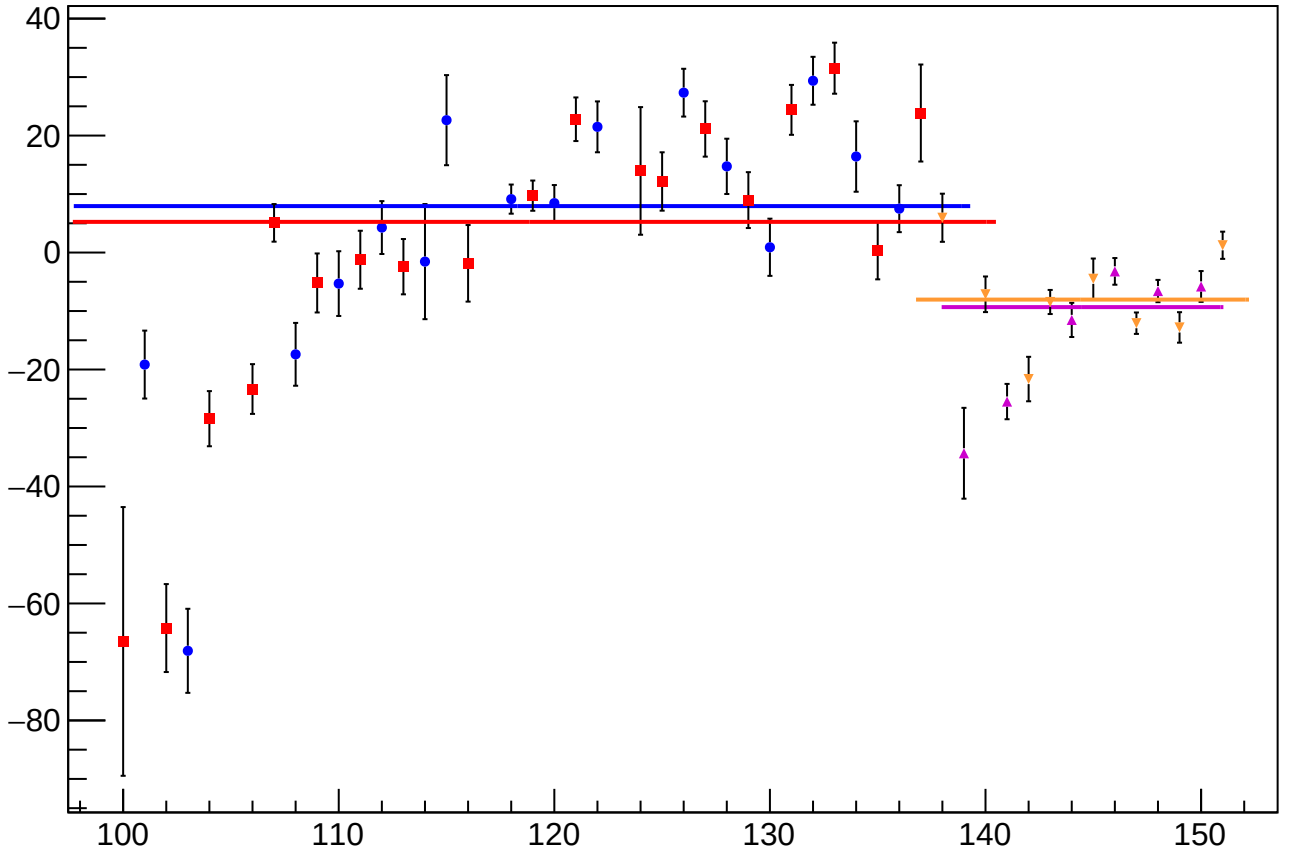
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 234.057+/-1.661 χ^2/NDF:99.9/5

+ sign 186.465+/-0.859 χ^2/NDF: 2734.3/23

All: 185.968+/-0.611 χ^2/NDF: 5498.9/48

- sign 185.459+/-0.870 χ^2/NDF: 2764.0/24



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -8.044+/-0.919 χ^2/NDF:49.7/7

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

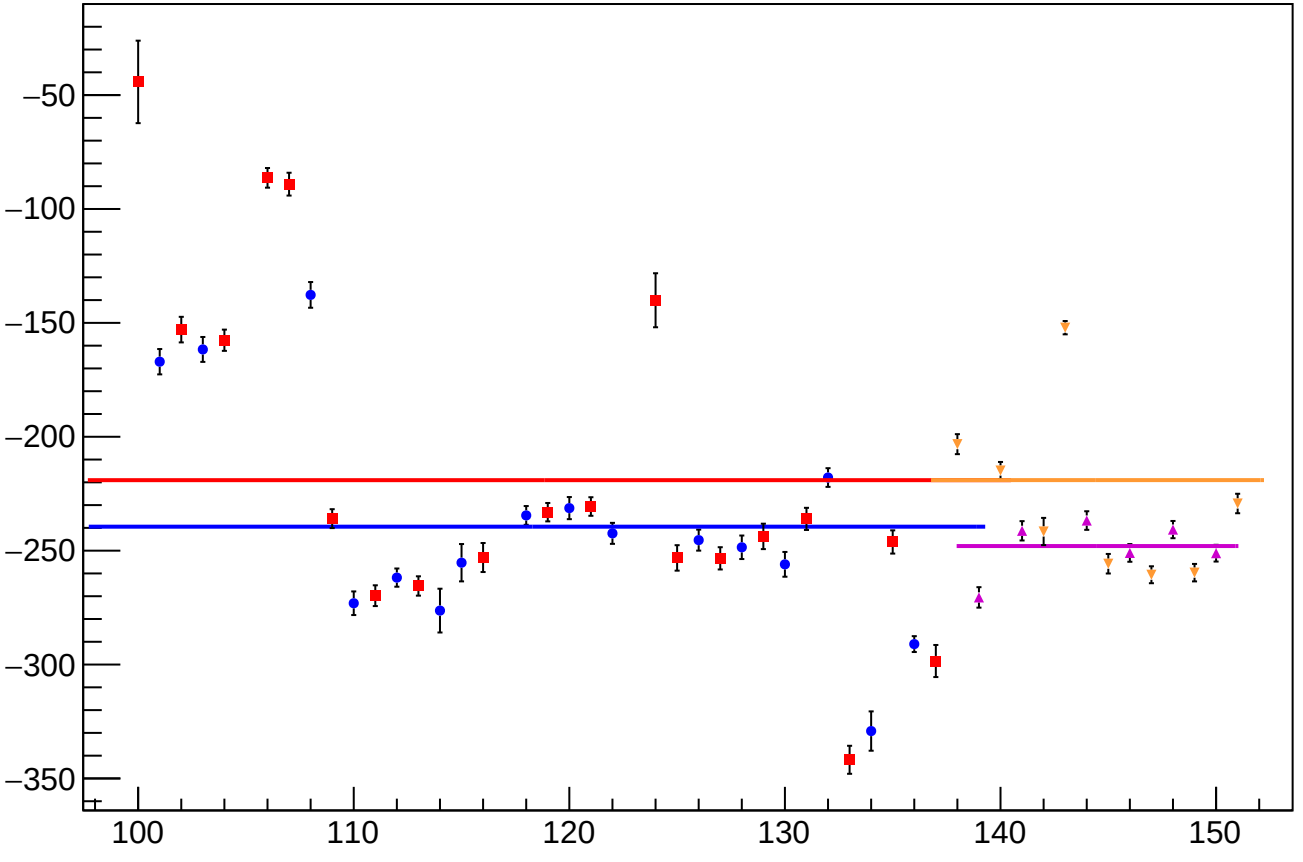
Left In: -9.330+/-1.081 χ^2/NDF:50.5/5

+ sign -1.568+/-0.709 χ^2/NDF: 405.3/23

All: -1.728+/-0.518 χ^2/NDF: 851.3/48

- sign -1.912+/-0.758 χ^2/NDF: 445.9/24

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -219.030+/-1.391 χ^2/NDF:868.6/7

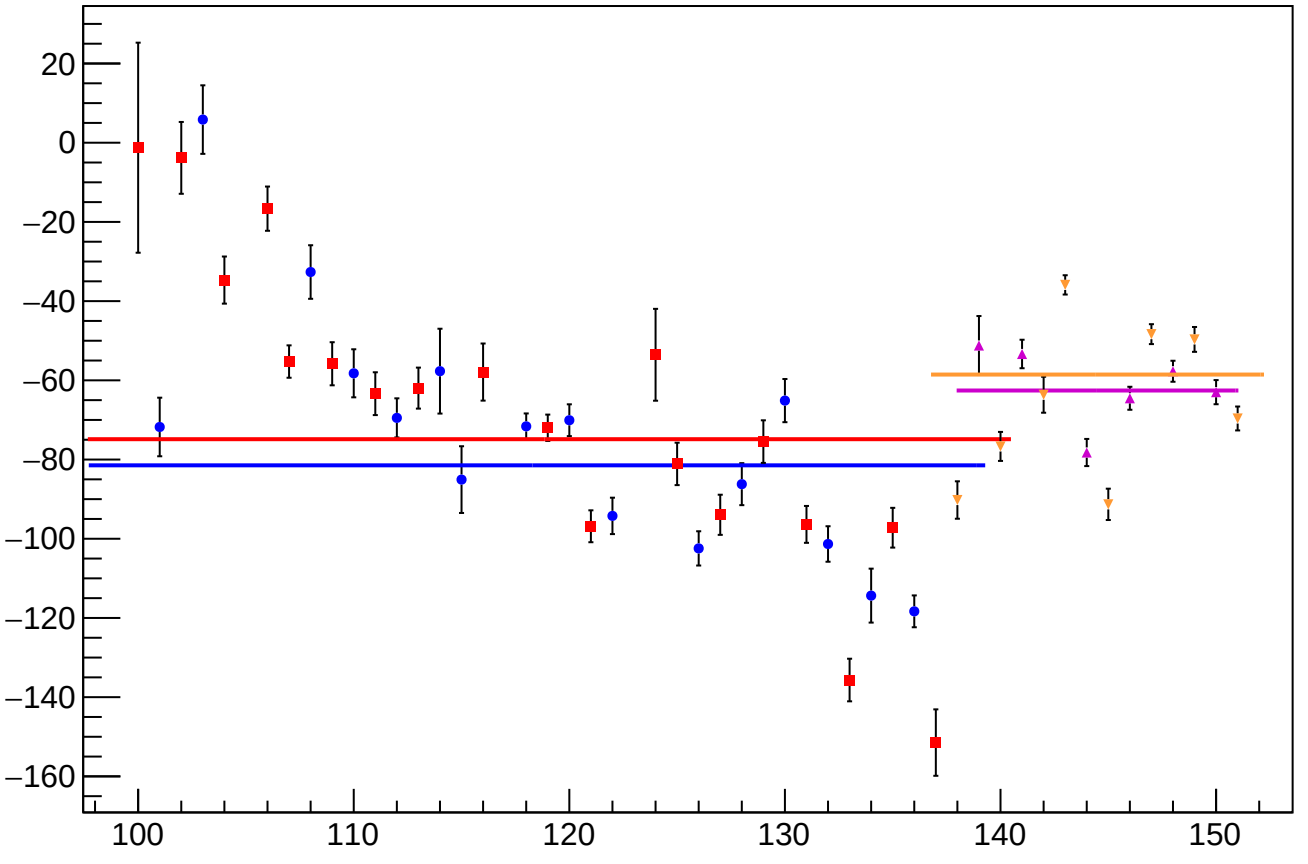
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -247.975+/-1.632 χ^2/NDF:40.2/5

+ sign -230.375+/-0.928 χ^2/NDF: 2150.7/23

All: -229.677+/-0.665 χ^2/NDF: 5448.0/48

- sign -228.938+/-0.954 χ^2/NDF: 3296.1/24



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -58.541+/-1.140 χ^2/NDF:263.7/7

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

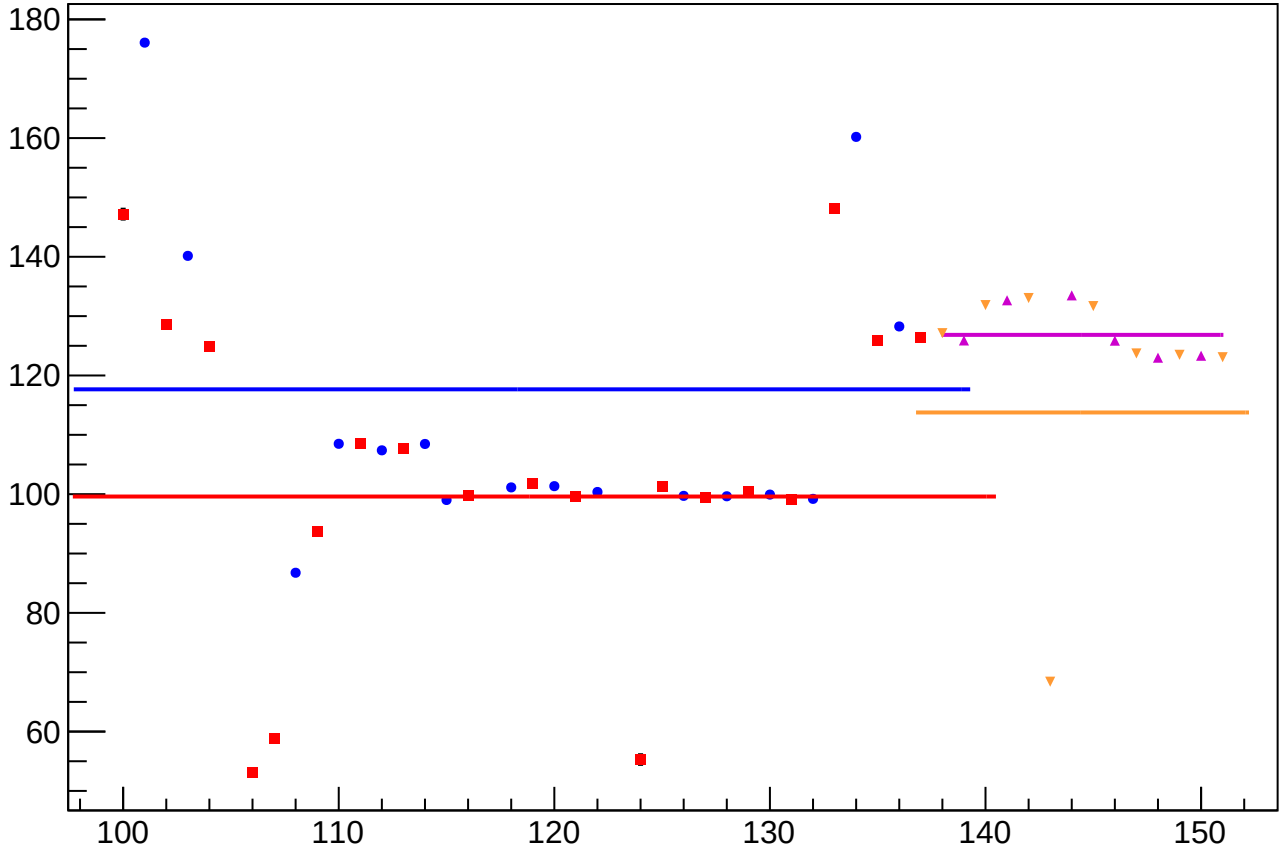
Left In: -62.568+/-1.349 χ^2/NDF:33.6/5

+ sign -68.618+/-0.853 χ^2/NDF: 808.0/23

All: -68.929+/-0.622 χ^2/NDF: 1463.8/48

- sign -69.282+/-0.909 χ^2/NDF: 655.5/24

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 113.768+/-0.058 χ^2/NDF:183964.2/7

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

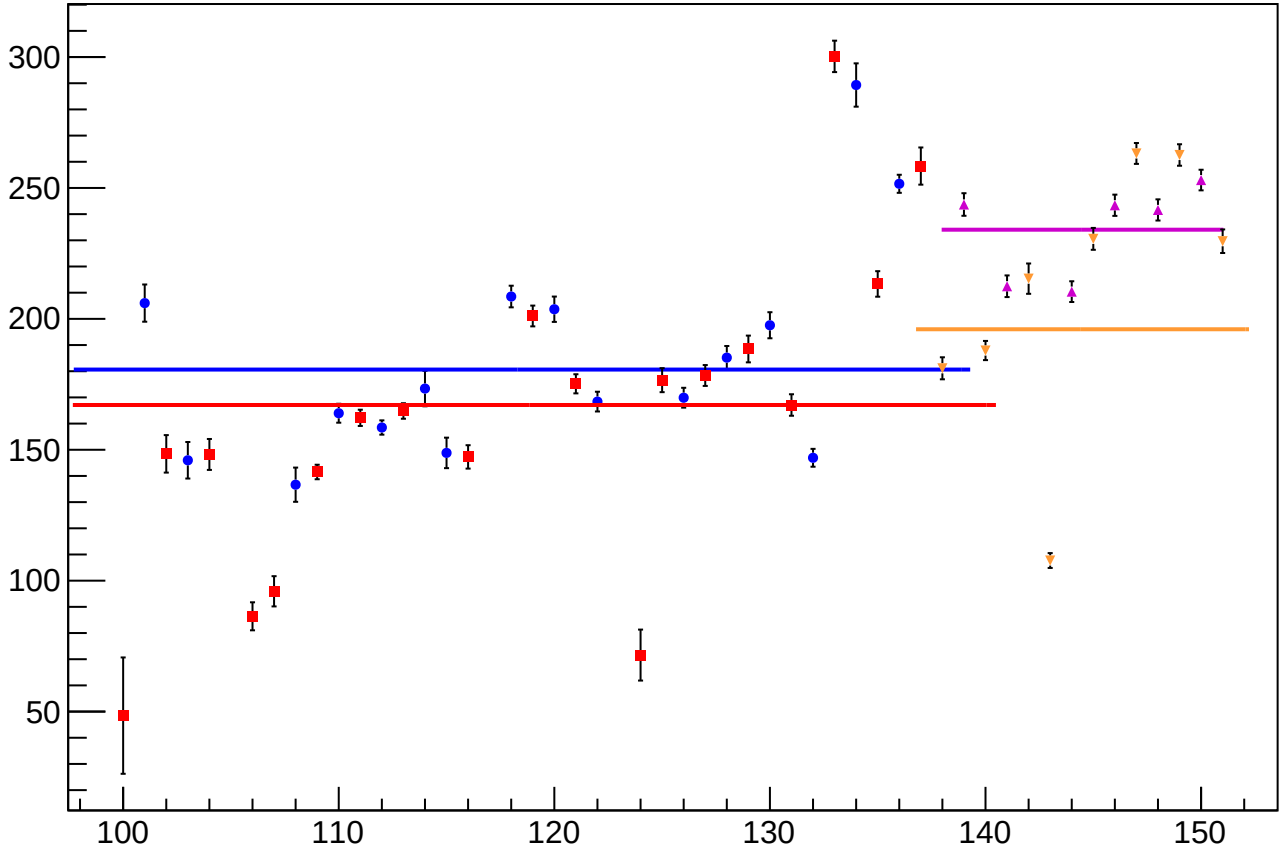
Left In: 126.842+/-0.067 χ^2/NDF:3708.8/5

+ sign 115.154+/-0.047 χ^2/NDF: 280960.1/23

All: 114.575+/-0.034 χ^2/NDF: 530303.1/48

- sign 113.954+/-0.048 χ^2/NDF: 249023.9/24

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 196.029+/-1.396 χ^2/NDF:1665.3/7

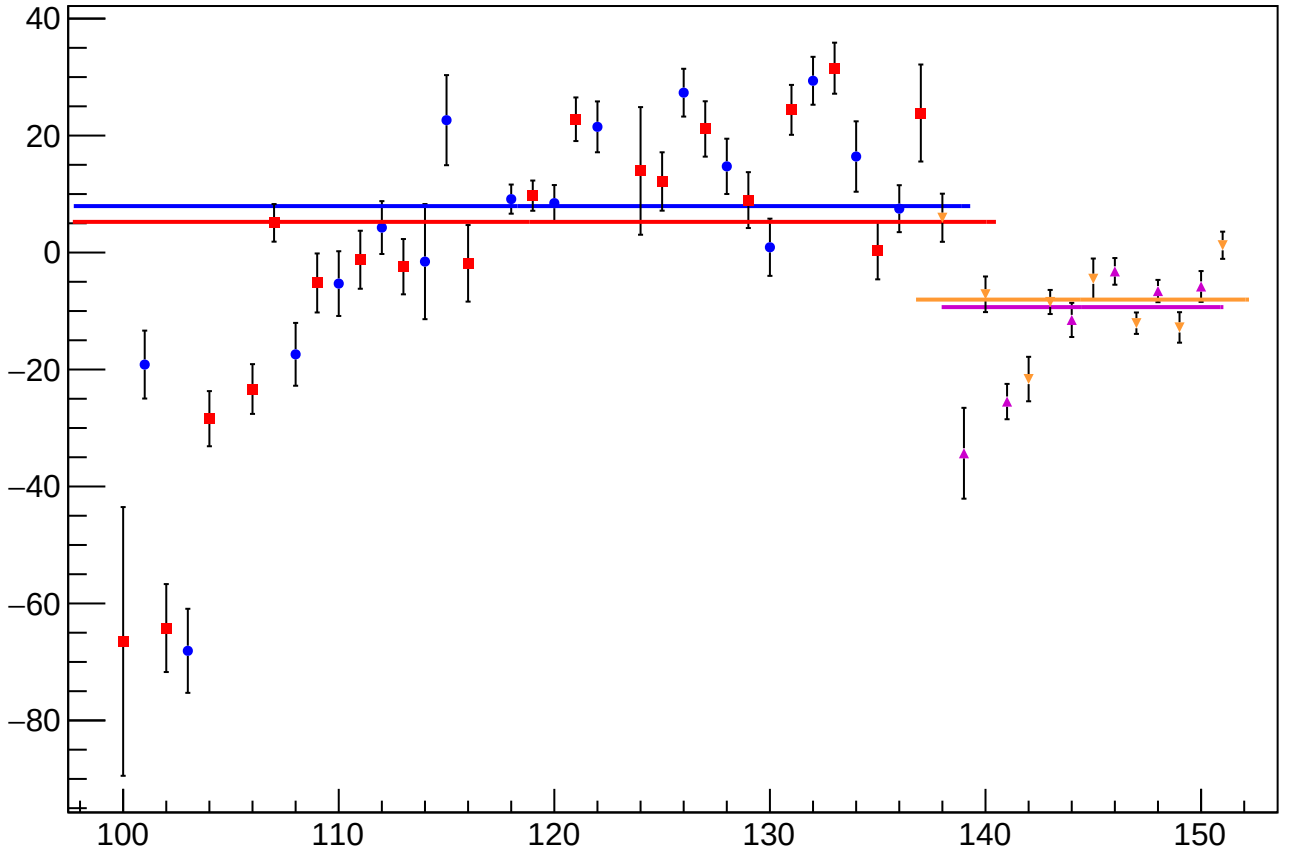
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 234.057+/-1.661 χ^2/NDF:99.9/5

+ sign 186.465+/-0.859 χ^2/NDF: 2734.3/23

All: 185.968+/-0.611 χ^2/NDF: 5498.9/48

- sign 185.459+/-0.870 χ^2/NDF: 2764.0/24



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -8.044+/-0.919 χ^2/NDF:49.7/7

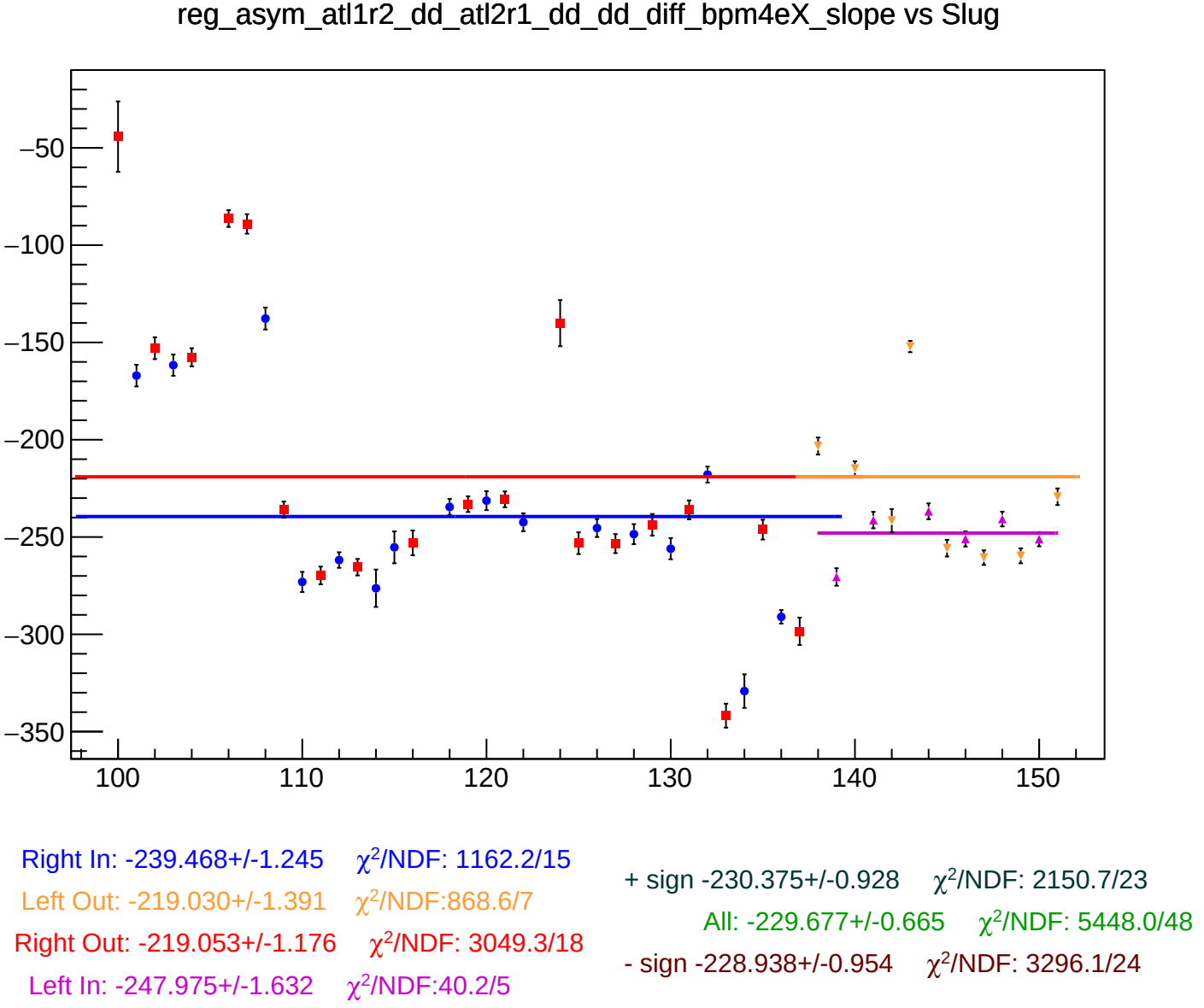
Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

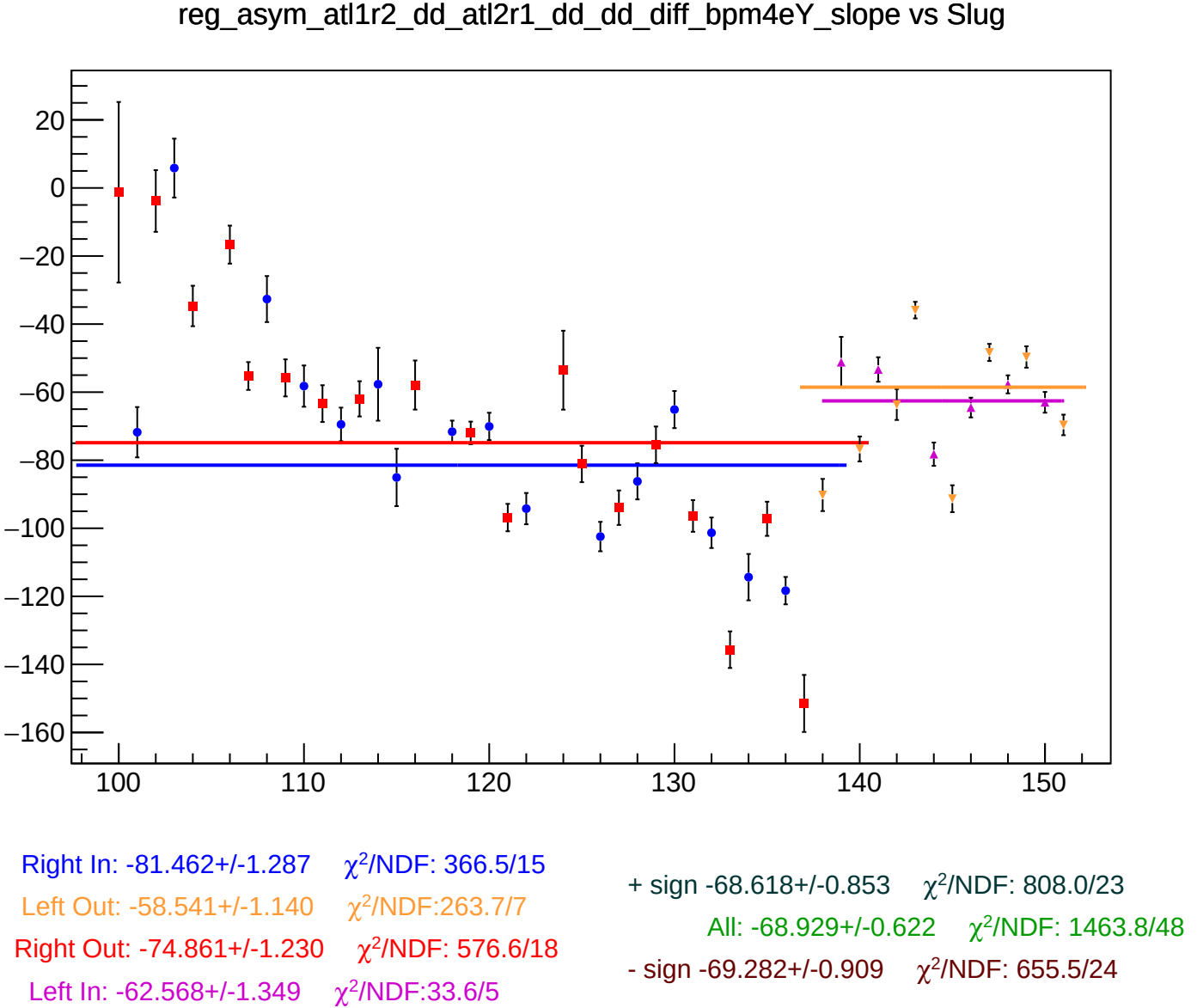
Left In: -9.330+/-1.081 χ^2/NDF:50.5/5

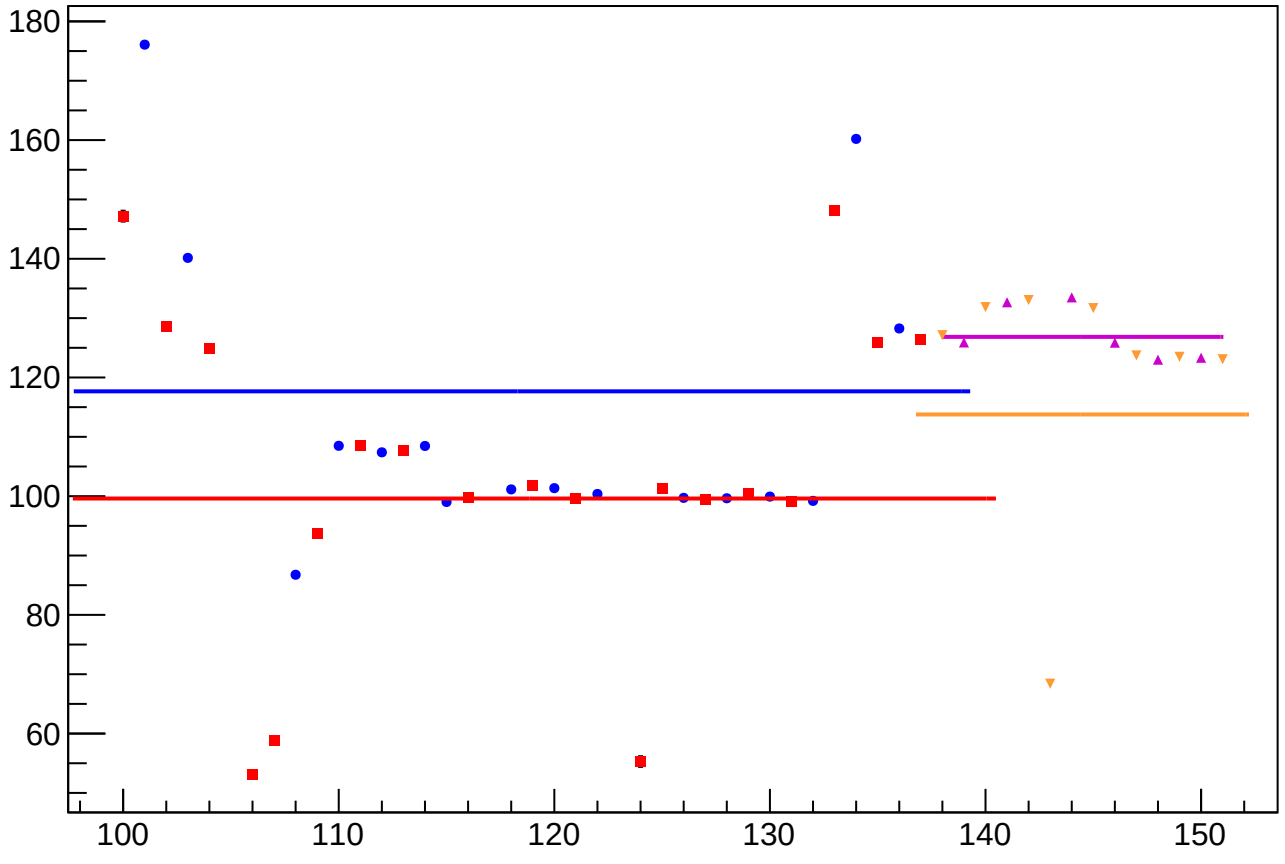
+ sign -1.568+/-0.709 χ^2/NDF: 405.3/23

All: -1.728+/-0.518 χ^2/NDF: 851.3/48

- sign -1.912+/-0.758 χ^2/NDF: 445.9/24


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug
−50
−100
−150
−200
−250
−300
−350
100
110
120
130
140
150
Right In: -239.468+/-1.245 χ²/NDF: 1162.2/15
Left Out: -219.030+/-1.391 χ²/NDF:868.6/7
Right Out: -219.053+/-1.176 χ²/NDF: 3049.3/18
Left In: -247.975+/-1.632 χ²/NDF:40.2/5
+ sign -230.375+/-0.928 χ²/NDF: 2150.7/23
All: -229.677+/-0.665 χ²/NDF: 5448.0/48
- sign -228.938+/-0.954 χ²/NDF: 3296.1/24


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug
20
0
−20
−40
−60
−80
−100
−120
−140
−160
100
110
120
130
140
150
Right In: -81.462+/-1.287 χ²/NDF: 366.5/15
Left Out: -58.541+/-1.140 χ²/NDF:263.7/7
Right Out: -74.861+/-1.230 χ²/NDF: 576.6/18
Left In: -62.568+/-1.349 χ²/NDF:33.6/5
+ sign -68.618+/-0.853 χ²/NDF: 808.0/23
All: -68.929+/-0.622 χ²/NDF: 1463.8/48
- sign -69.282+/-0.909 χ²/NDF: 655.5/24



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 113.768+/-0.058 χ^2/NDF:183964.2/7

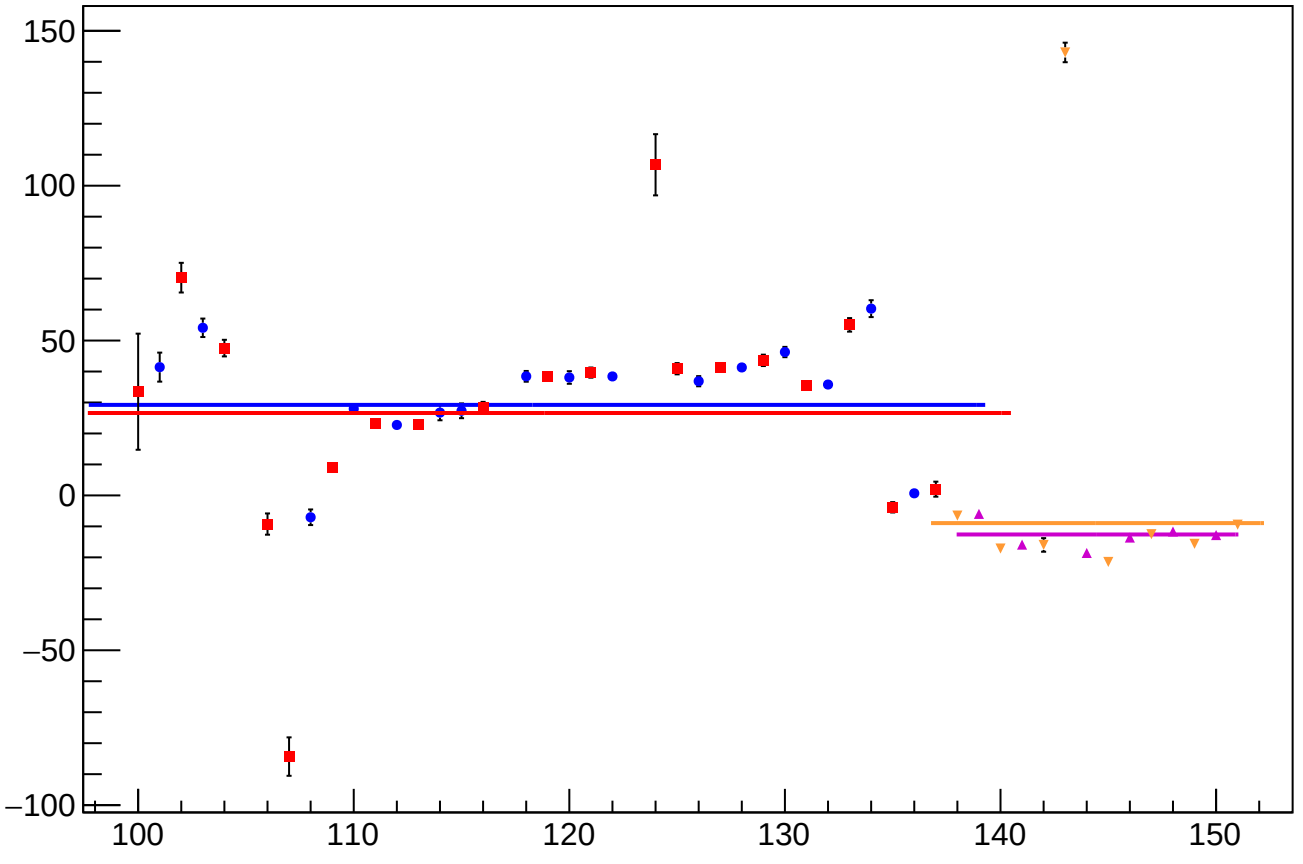
Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 126.842+/-0.067 χ^2/NDF:3708.8/5

+ sign 115.154+/-0.047 χ^2/NDF: 280960.1/23

All: 114.575+/-0.034 χ^2/NDF: 530303.1/48

- sign 113.954+/-0.048 χ^2/NDF: 249023.9/24



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -8.939+/-0.541 χ^2/NDF:2467.0/7

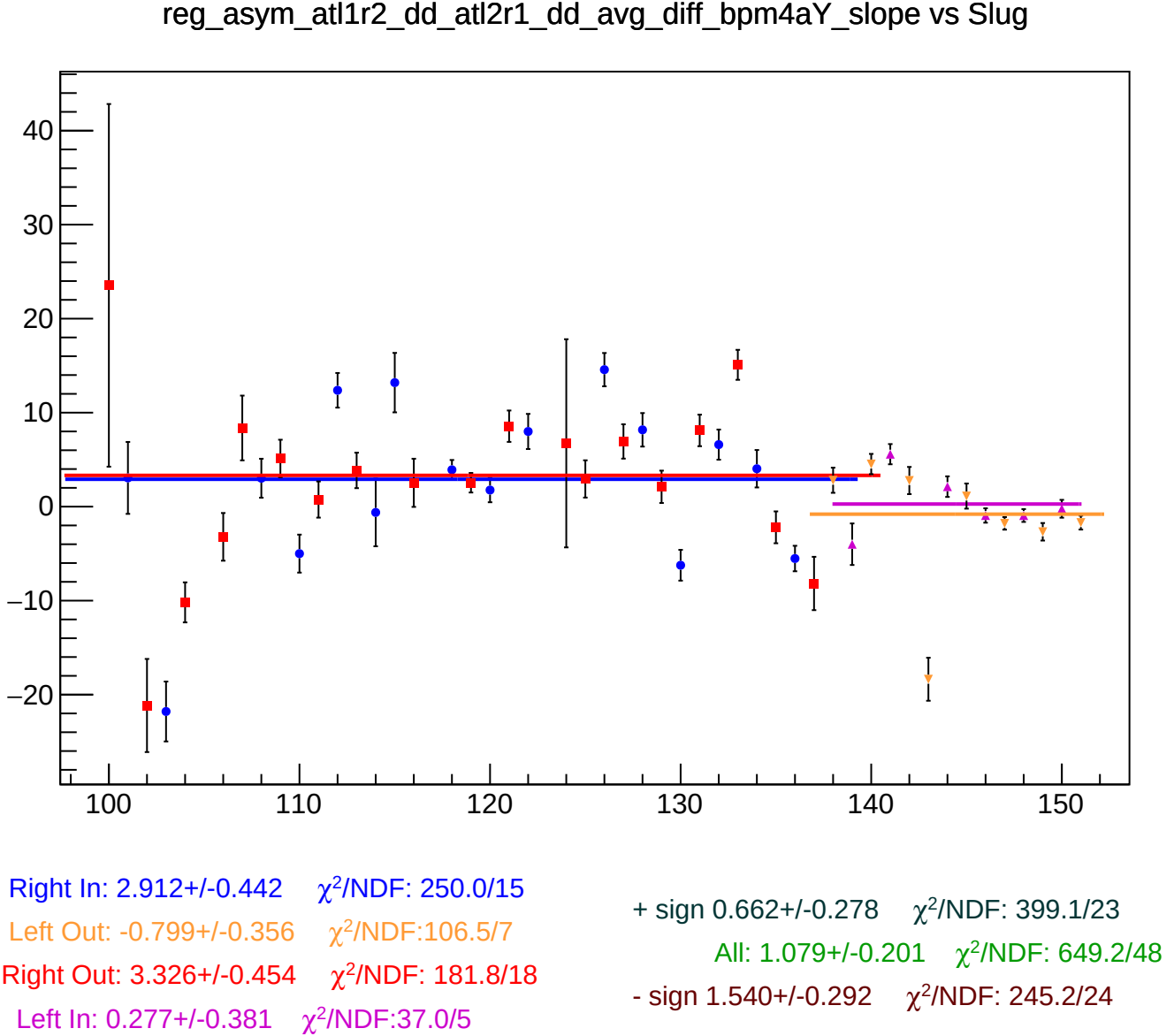
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

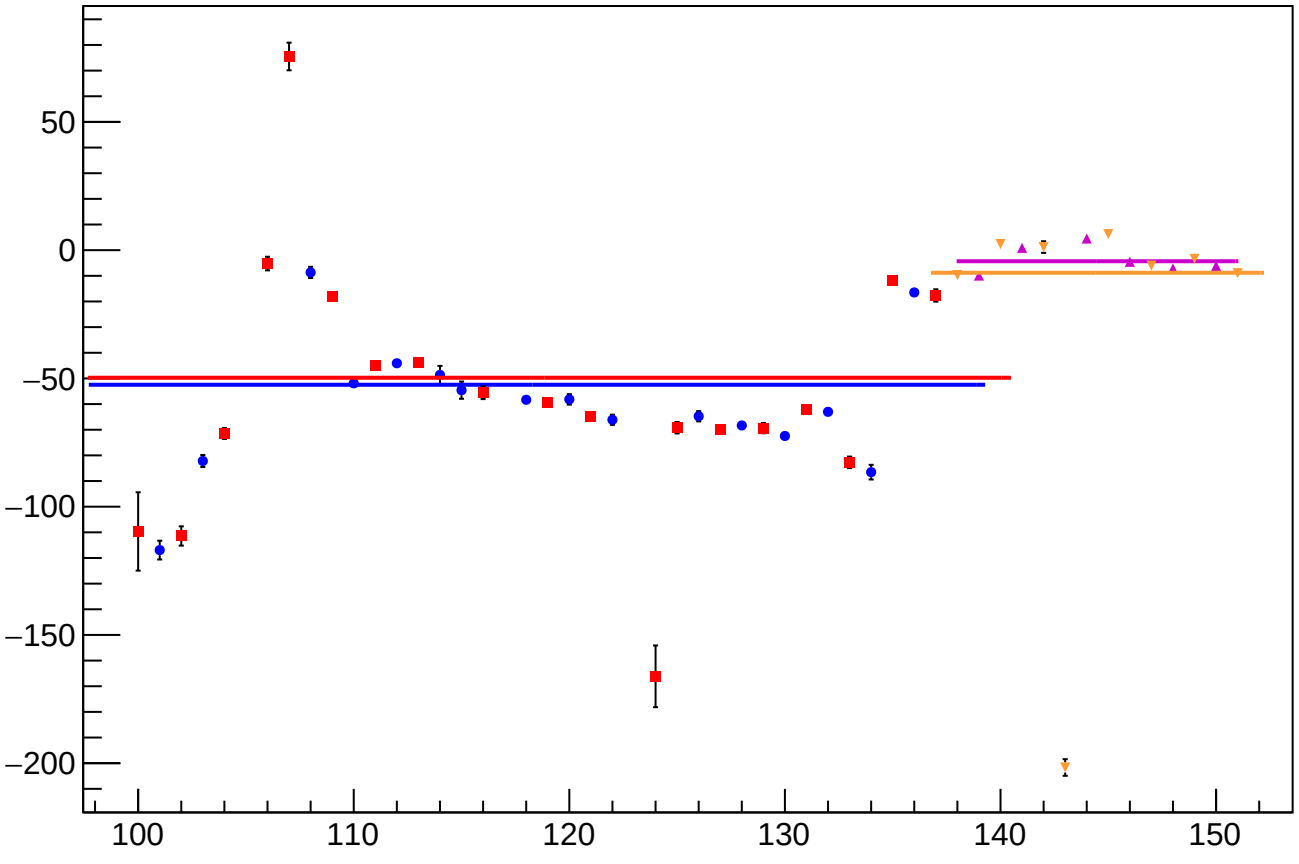
Left In: -12.612+/-0.566 χ^2/NDF:51.8/5

+ sign 14.708+/-0.334 χ^2/NDF: 6888.8/23

All: 13.827+/-0.236 χ^2/NDF: 12000.9/48

- sign 12.943+/-0.334 χ^2/NDF: 5098.2/24


reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs Slug
40
30
20
10
0
−10
−20
100
110
120
130
140
150
Right In: 2.912+/-0.442 χ²/NDF: 250.0/15
Left Out: -0.799+/-0.356 χ²/NDF:106.5/7
Right Out: 3.326+/-0.454 χ²/NDF: 181.8/18
Left In: 0.277+/-0.381 χ²/NDF:37.0/5
+ sign 0.662+/-0.278 χ²/NDF: 399.1/23
All: 1.079+/-0.201 χ²/NDF: 649.2/48
- sign 1.540+/-0.292 χ²/NDF: 245.2/24



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -8.804+/-0.536 χ^2/NDF:3736.6/7

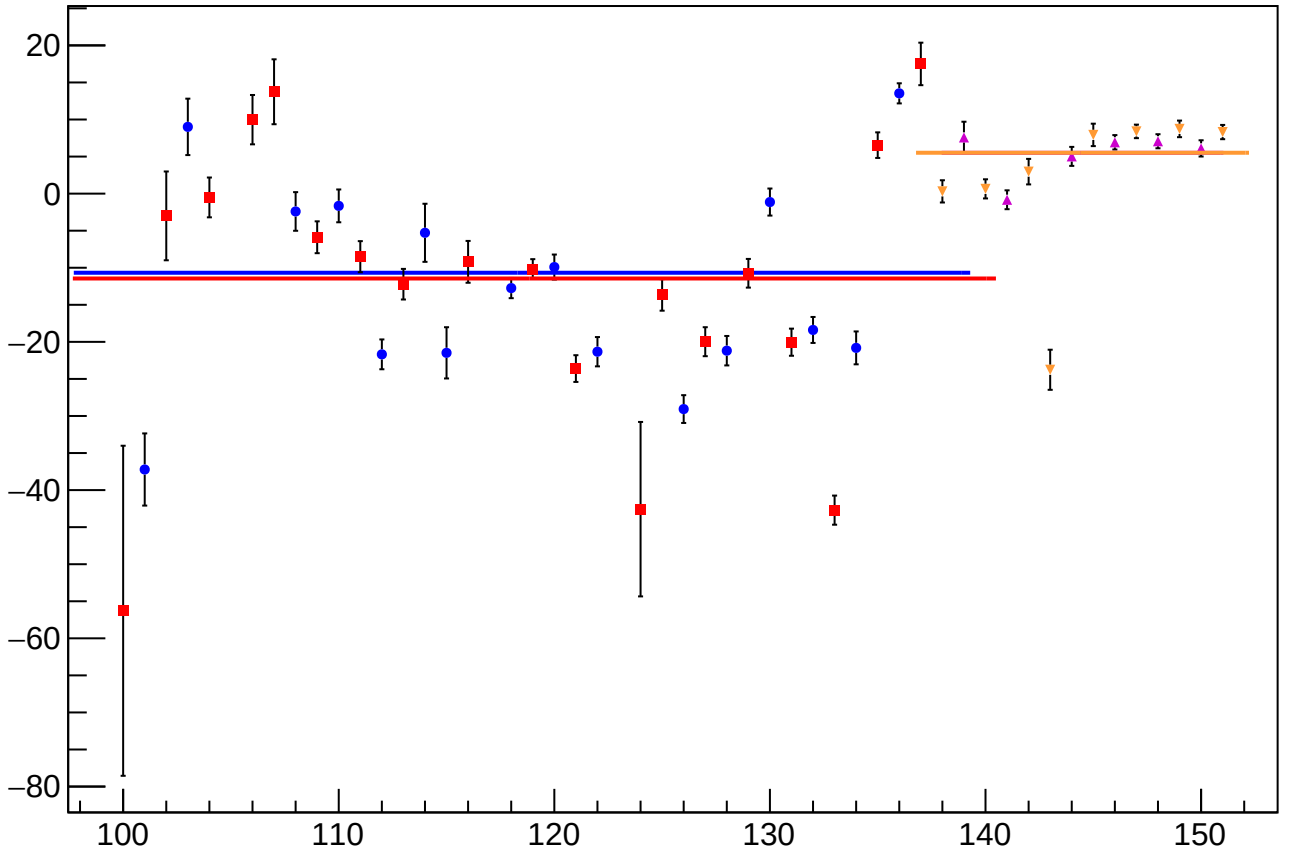
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -4.315+/-0.559 χ^2/NDF:71.4/5

+ sign -32.681+/-0.361 χ^2/NDF: 9697.7/23

All: -31.276+/-0.258 χ^2/NDF: 16519.9/48

- sign -29.797+/-0.370 χ^2/NDF: 6791.0/24



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 5.516+/-0.446 χ^2/NDF:174.8/7

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

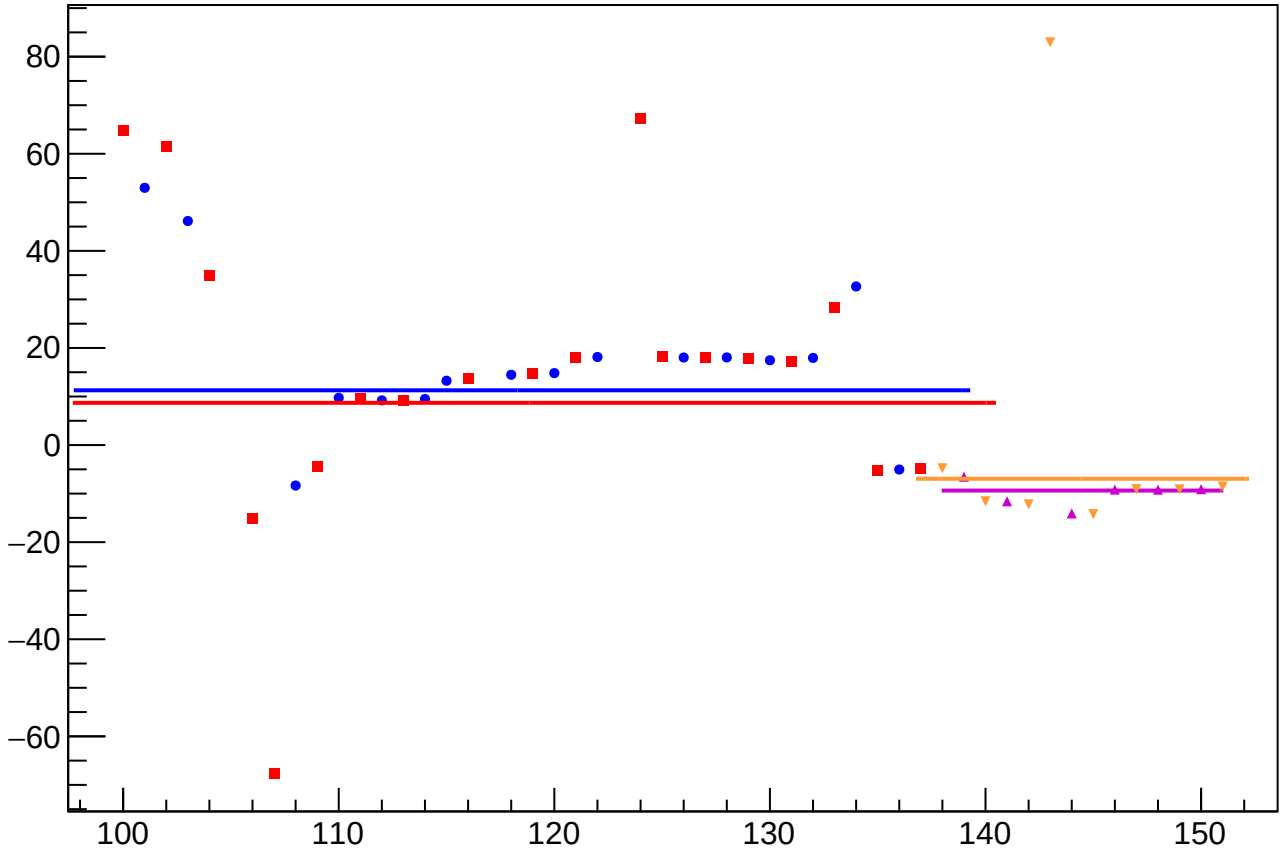
Left In: 5.504+/-0.474 χ^2/NDF:31.0/5

\+ sign -1.567+/-0.334 χ^2/NDF: 1418.4/23

All: -1.897+/-0.241 χ^2/NDF: 2702.4/48

\- sign -2.257+/-0.349 χ^2/NDF: 1281.9/24

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -6.944+/-0.022 χ^2/NDF:471460.1/7

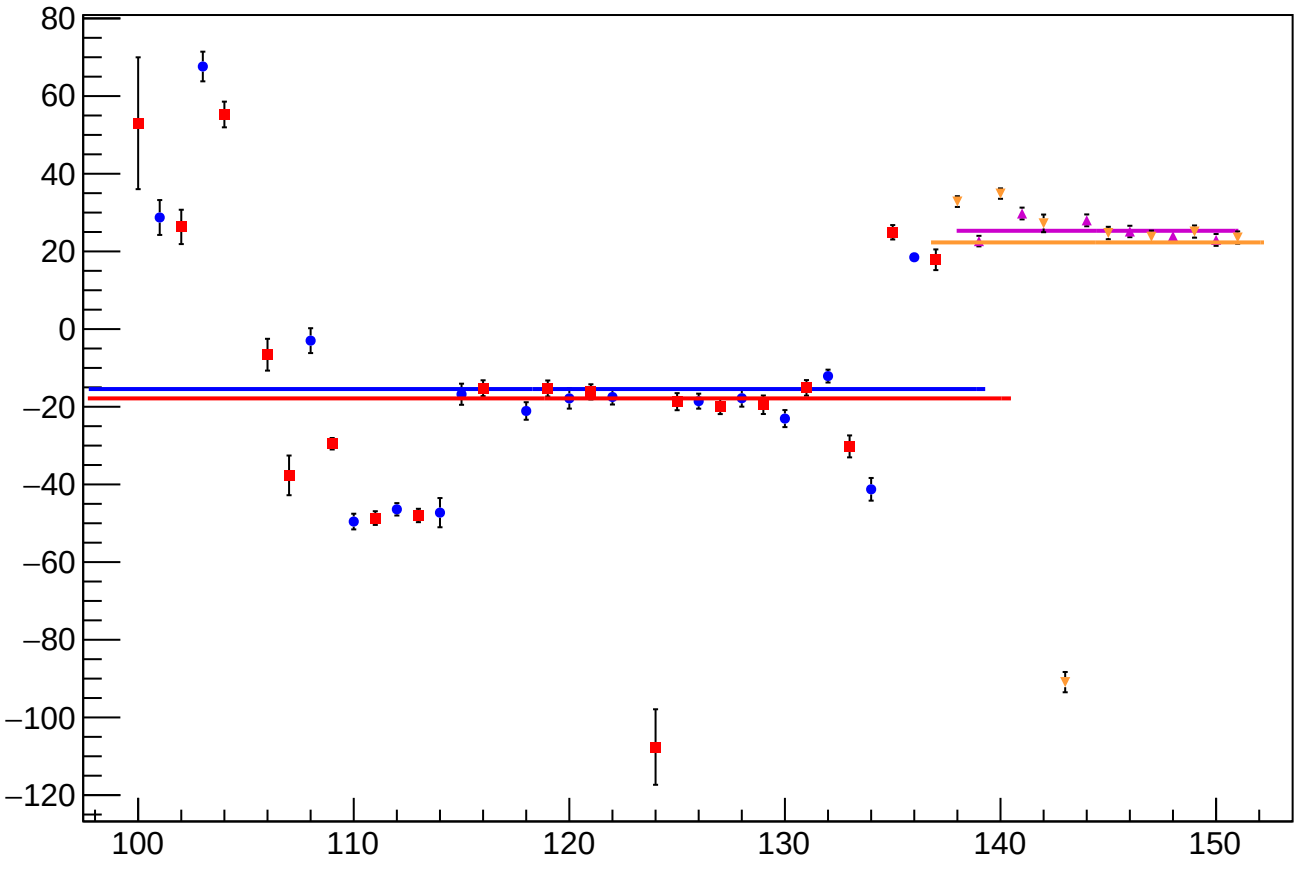
Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.371+/-0.023 χ^2/NDF:10067.8/5

+ sign -0.516+/-0.018 χ^2/NDF: 1060802.2/23

All: -1.839+/-0.013 χ^2/NDF: 1736941.9/48

- sign -3.241+/-0.018 χ^2/NDF: 664727.6/24



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 22.317+/-0.576 χ^2/NDF:2035.6/7

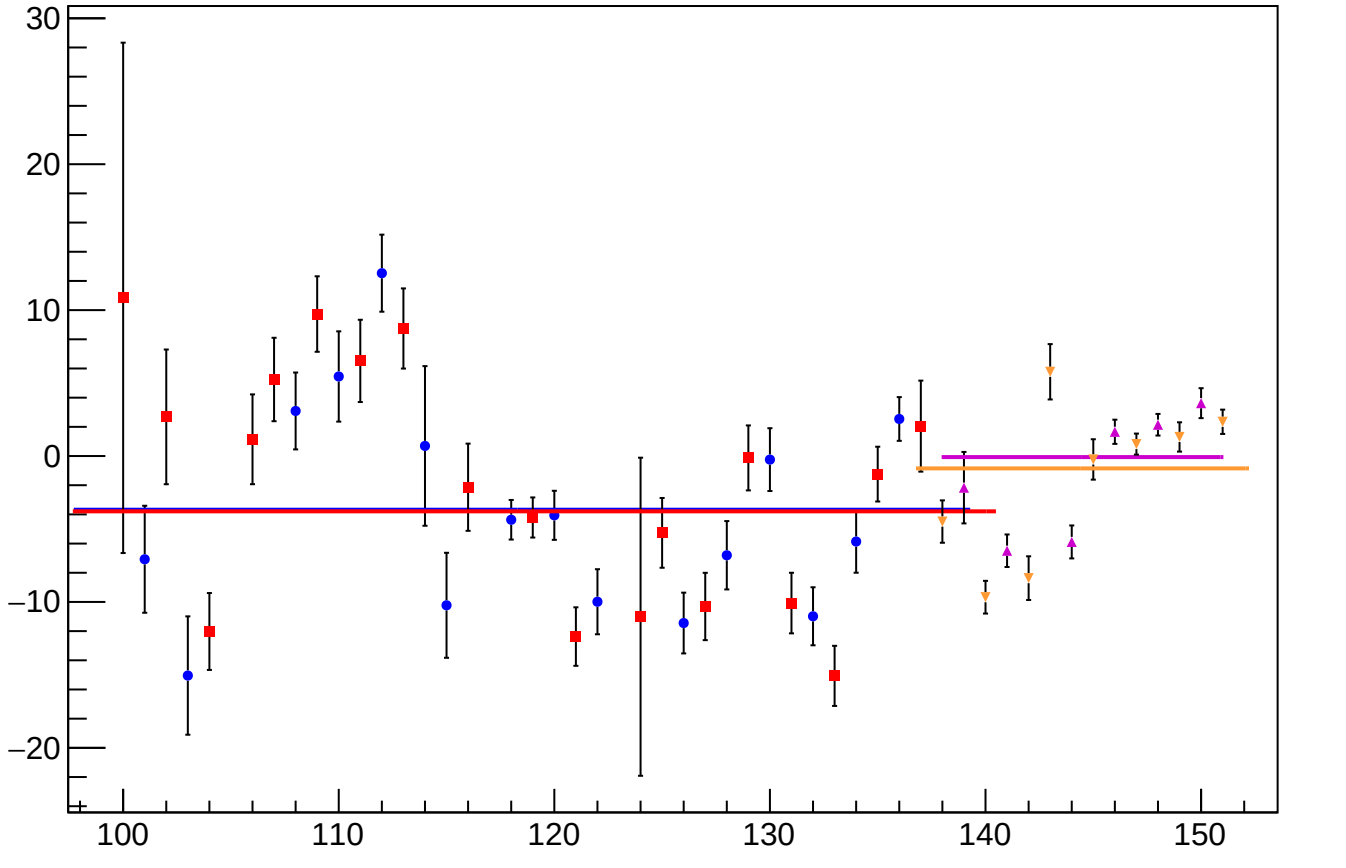
Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 25.311+/-0.608 χ^2/NDF:18.7/5

+ sign 2.200+/-0.393 χ^2/NDF: 6451.7/23

All: 1.495+/-0.280 χ^2/NDF: 11466.5/48

- sign 0.769+/-0.399 χ^2/NDF: 5008.3/24



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -0.848+/-0.382 χ^2/NDF:130.6/7

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

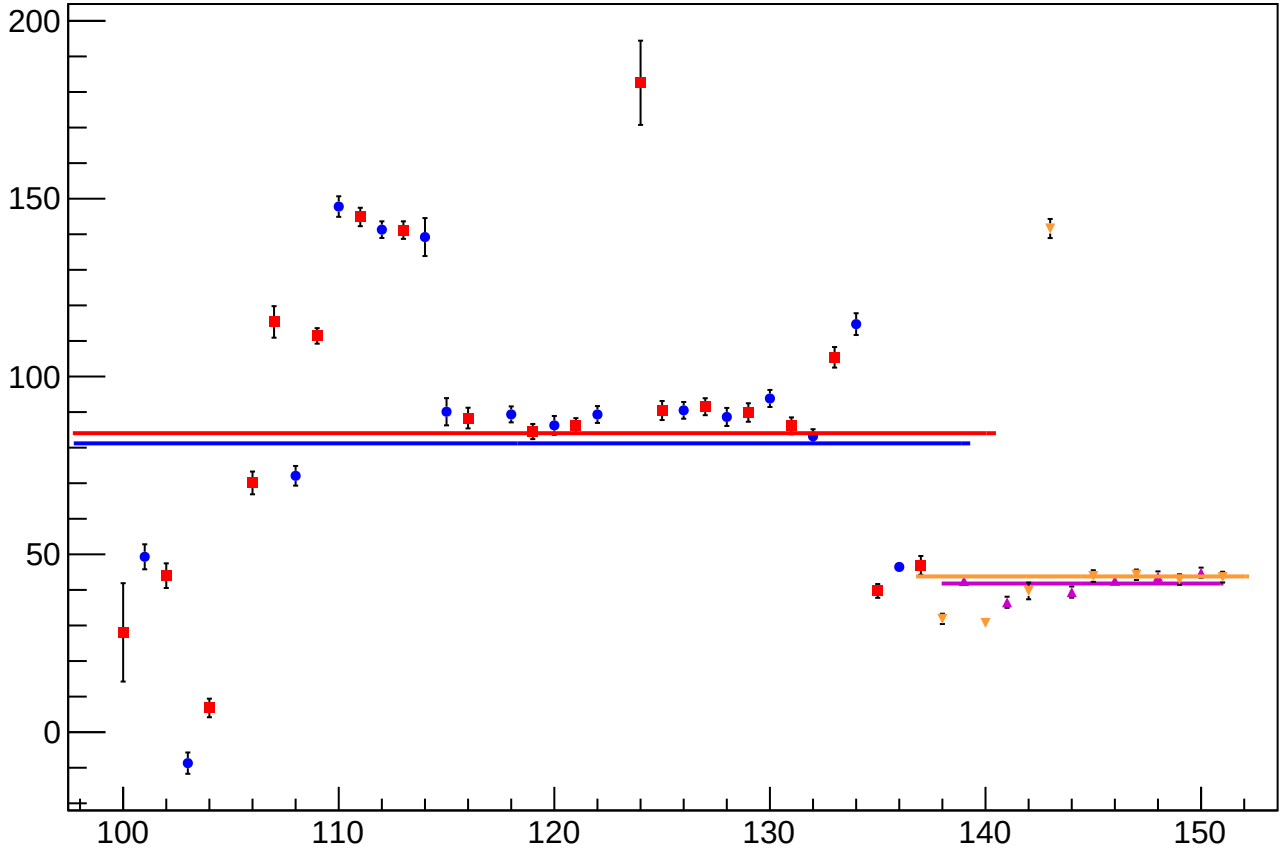
Left In: -0.072+/-0.409 χ^2/NDF:86.7/5

\+ sign -1.763+/-0.314 χ^2/NDF: 272.3/23

All: -1.569+/-0.228 χ^2/NDF: 549.6/48

\- sign -1.354+/-0.331 χ^2/NDF: 276.4/24

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: 43.792+/-0.571 χ^2/NDF:1487.3/7

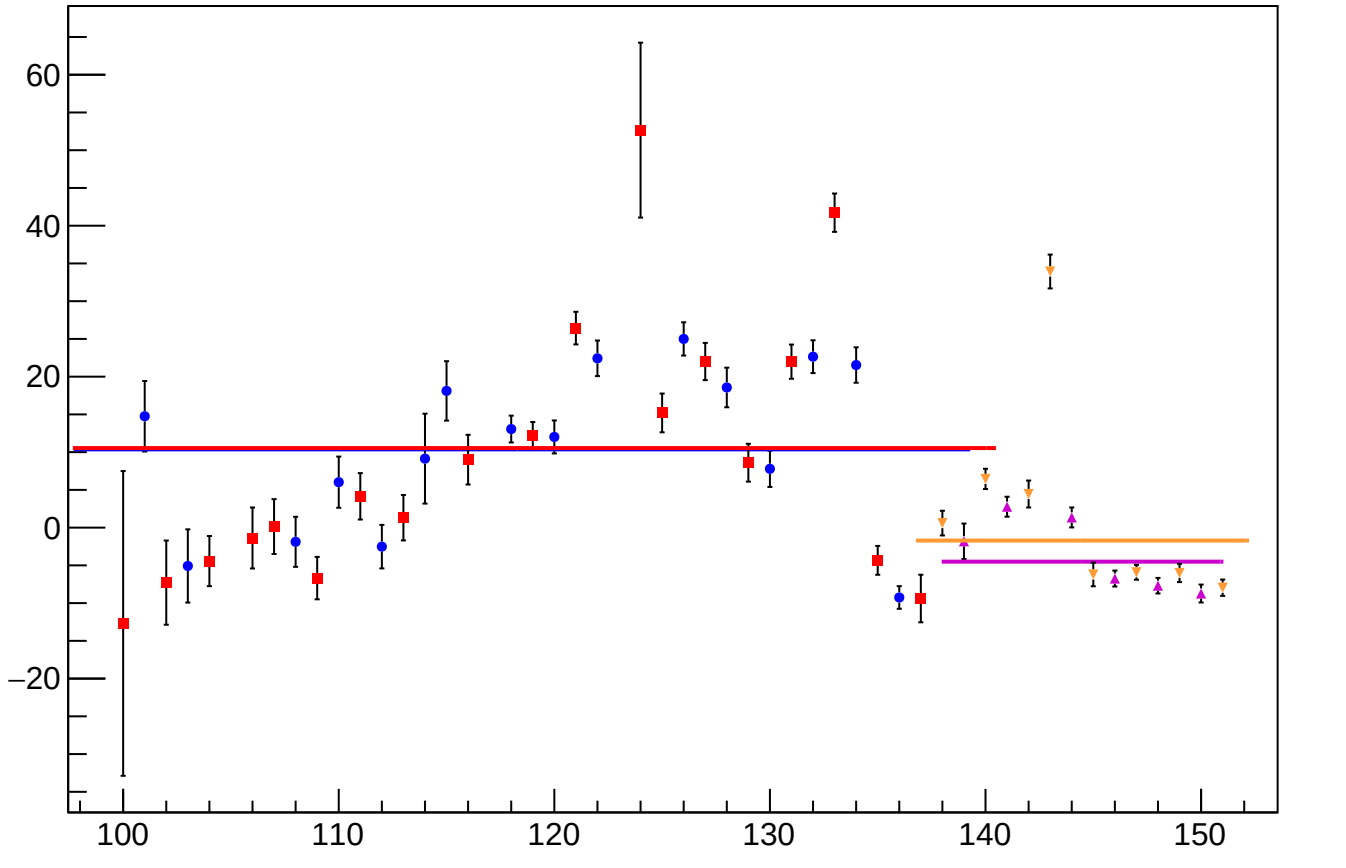
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 41.798+/-0.600 χ^2/NDF:20.7/5

+ sign 61.346+/-0.416 χ^2/NDF: 6733.7/23

All: 61.842+/-0.299 χ^2/NDF: 12378.0/48

- sign 62.372+/-0.430 χ^2/NDF: 5641.4/24



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: -1.711+/-0.476 χ^2/NDF:376.3/7

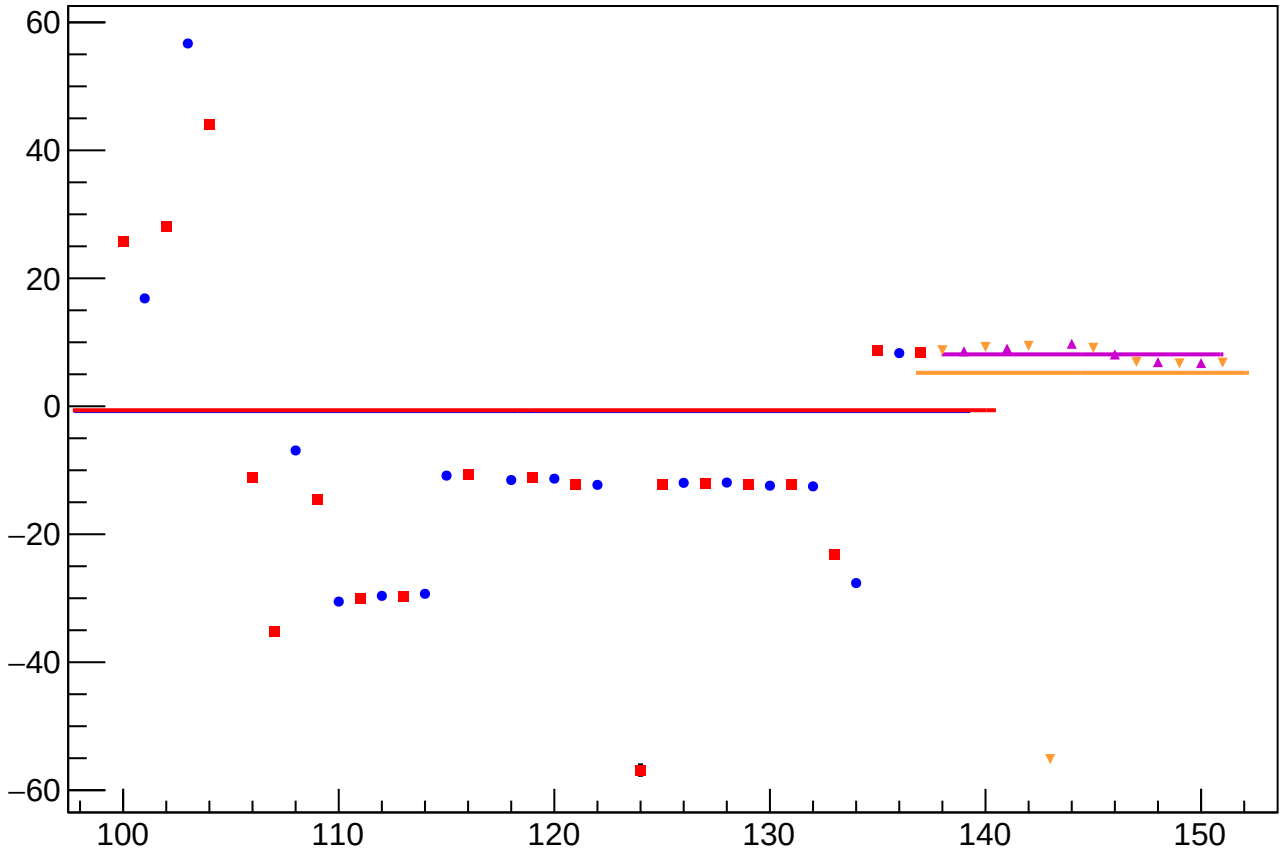
Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -4.509+/-0.508 χ^2/NDF:78.0/5

\+ sign 2.708+/-0.379 χ^2/NDF: 971.8/23

All: 2.040+/-0.274 χ^2/NDF: 1866.0/48

\- sign 1.304+/-0.398 χ^2/NDF: 887.7/24



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 5.227+/-0.024 χ^2/NDF:307627.6/7

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

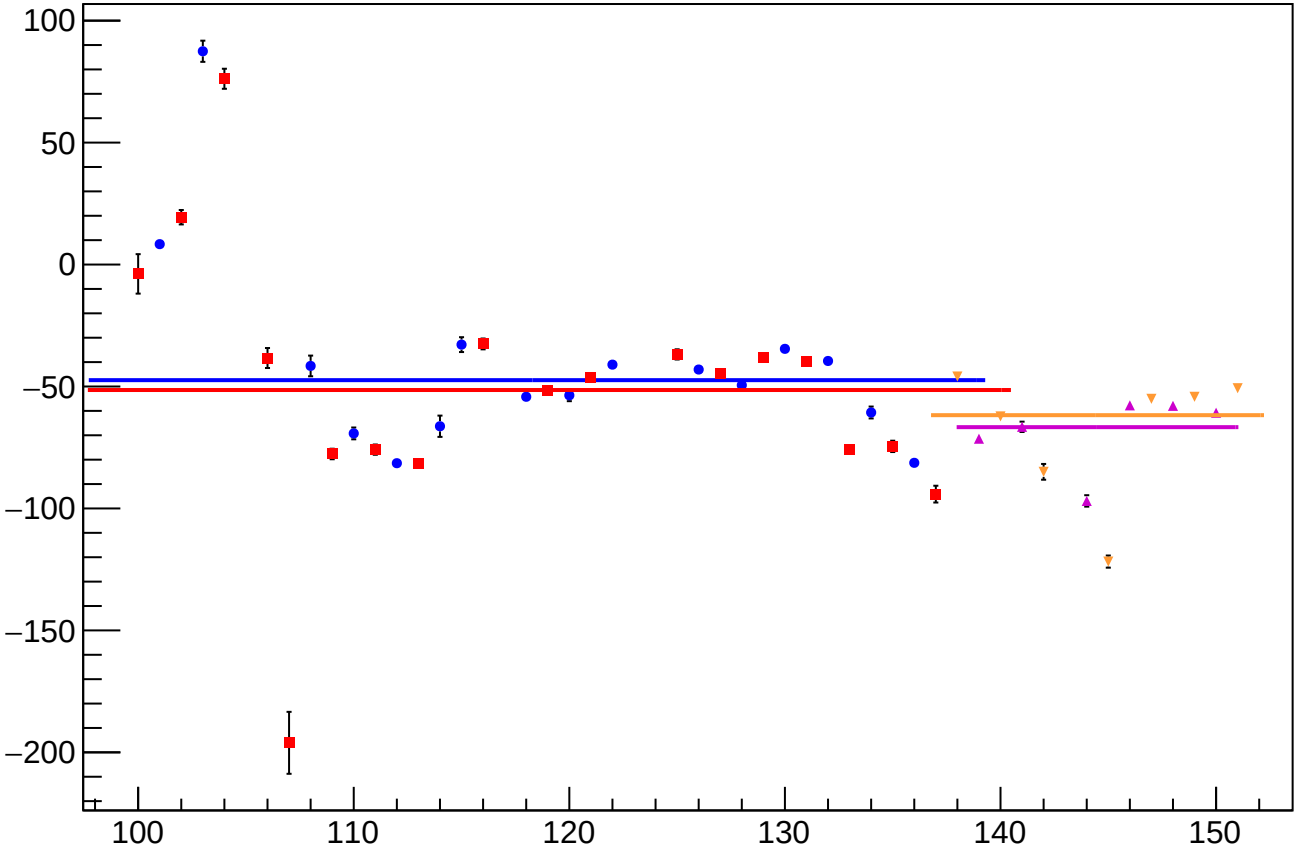
Left In: 8.114+/-0.024 χ^2/NDF:1819.2/5

+ sign 3.426+/-0.020 χ^2/NDF: 694971.1/23

All: 4.440+/-0.014 χ^2/NDF: 1057219.9/48

- sign 5.521+/-0.020 χ^2/NDF: 356778.1/24

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -47.398+/-0.535 χ^2/NDF: 2769.0/15

Left Out: -61.756+/-0.769 χ^2/NDF:772.9/6

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

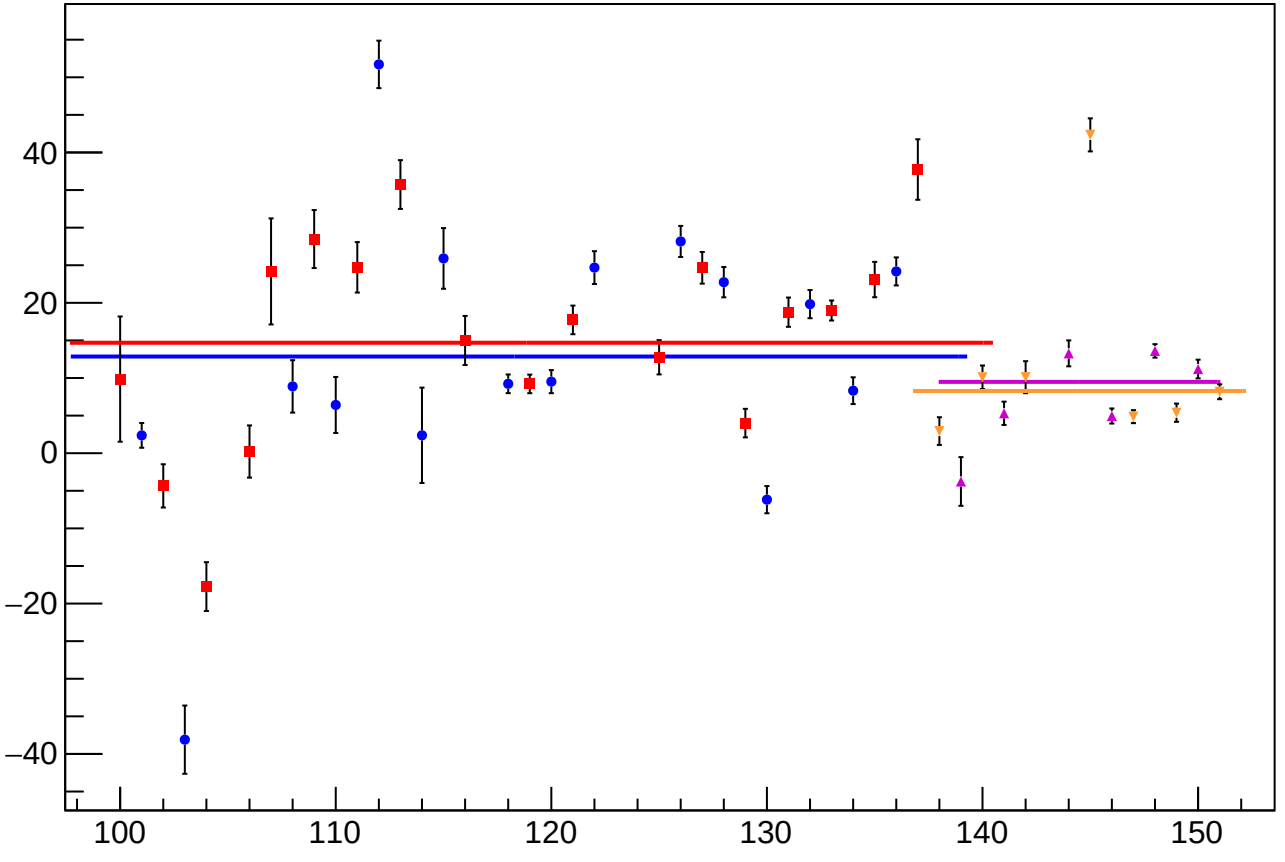
Left In: -66.669+/-0.793 χ^2/NDF:229.7/5

+ sign -52.084+/-0.439 χ^2/NDF: 3776.9/22

All: -54.161+/-0.314 χ^2/NDF: 7175.6/46

- sign -56.333+/-0.449 χ^2/NDF: 3353.0/23

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 8.275+/-0.490 χ^2/NDF:271.6/6

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

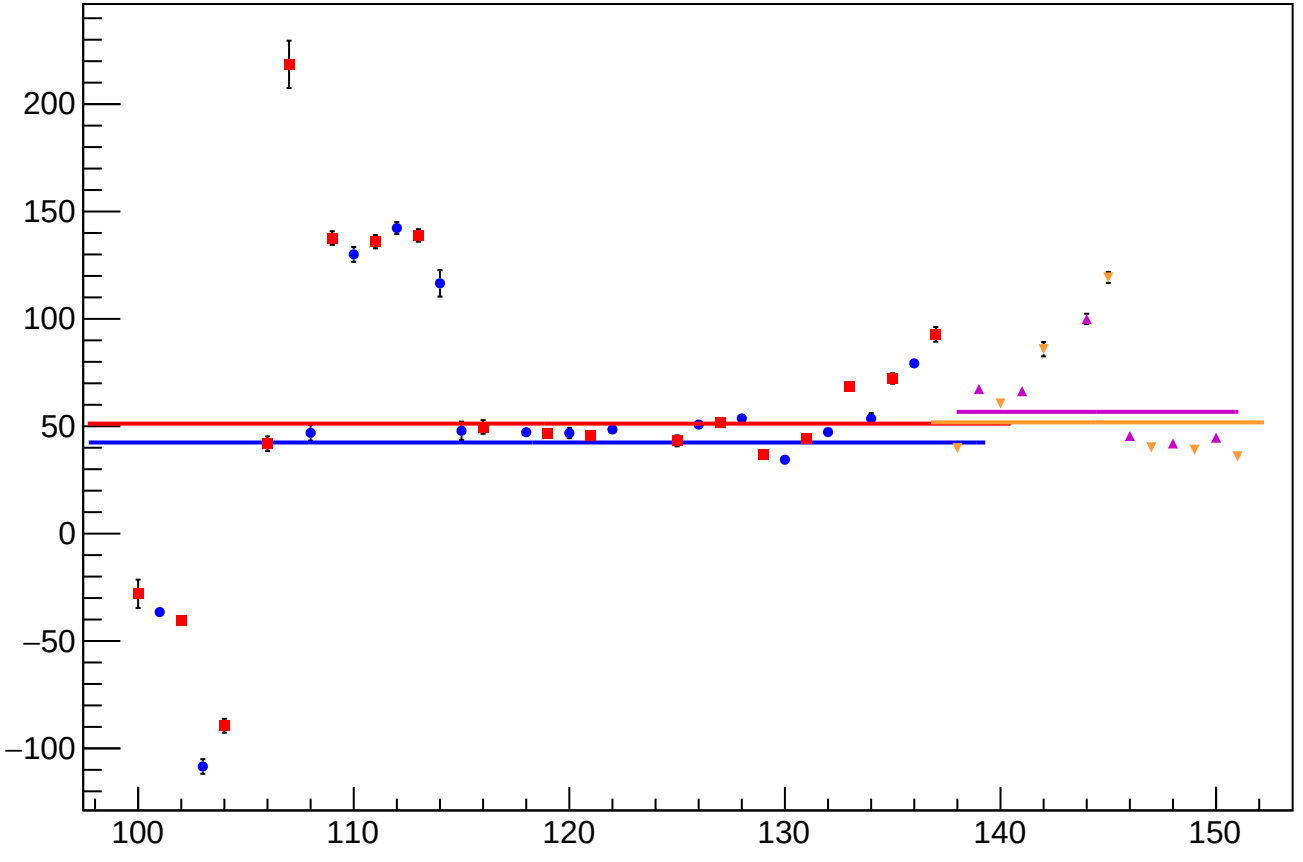
Left In: 9.488+/-0.518 χ^2/NDF:72.3/5

+ sign 10.438+/-0.356 χ^2/NDF: 938.4/22

All: 11.159+/-0.258 χ^2/NDF: 1431.4/46

- sign 11.959+/-0.375 χ^2/NDF: 484.4/23

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 51.824+/-0.756 χ^2/NDF:1055.2/6

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

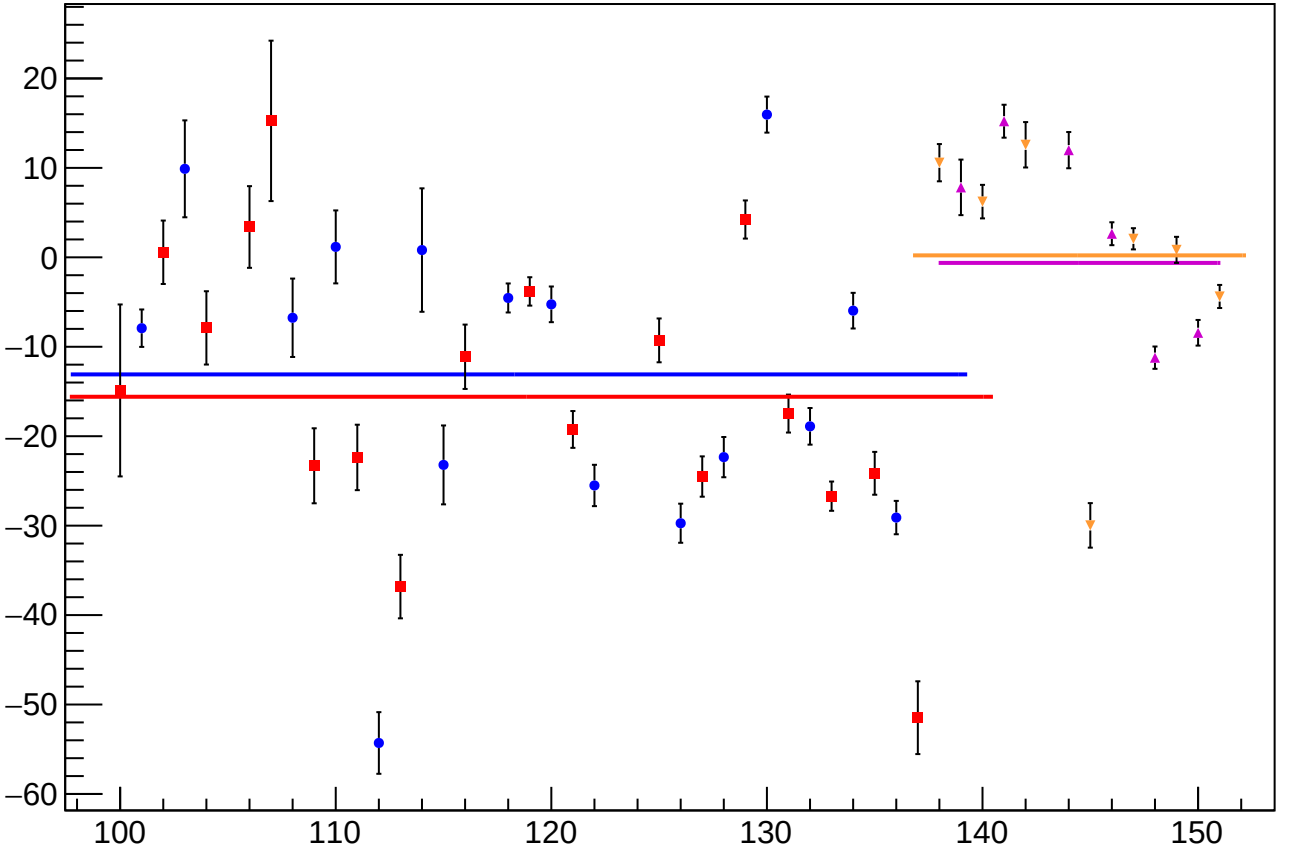
Left In: 56.707+/-0.777 χ^2/NDF:533.3/5

\+ sign 45.949+/-0.462 χ^2/NDF: 8320.7/22

All: 49.487+/-0.334 χ^2/NDF: 15618.2/46

\- sign 53.336+/-0.482 χ^2/NDF: 7175.2/23

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 0.219+/-0.619 χ^2/NDF:221.1/6

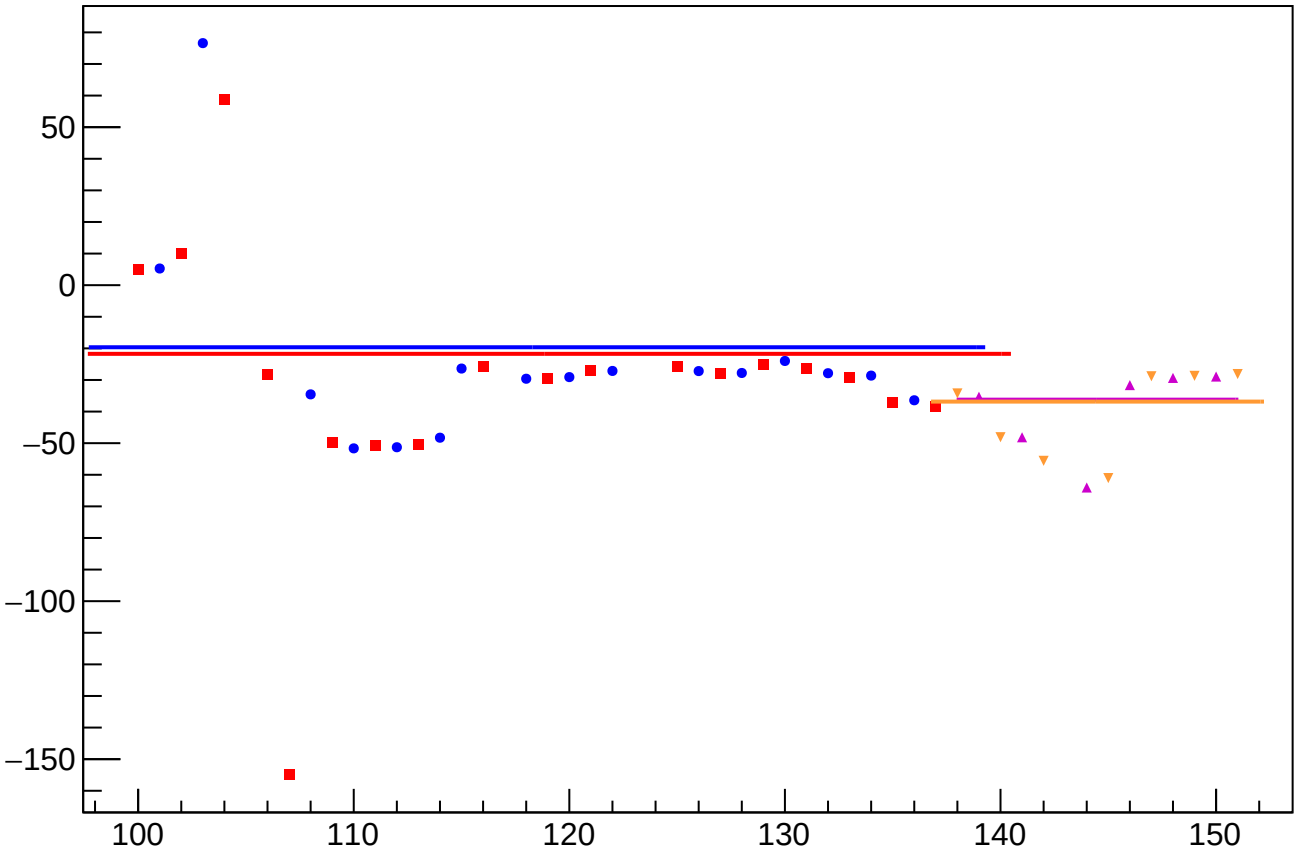
Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: -0.624+/-0.648 χ^2/NDF:228.5/5

\+ sign -6.641+/-0.431 χ^2/NDF: 1099.6/22

All: -7.459+/-0.311 χ^2/NDF: 2013.1/46

\- sign -8.355+/-0.451 χ^2/NDF: 905.9/23



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

Left Out: -36.842+/-0.031 χ^2/NDF:134319.9/6

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

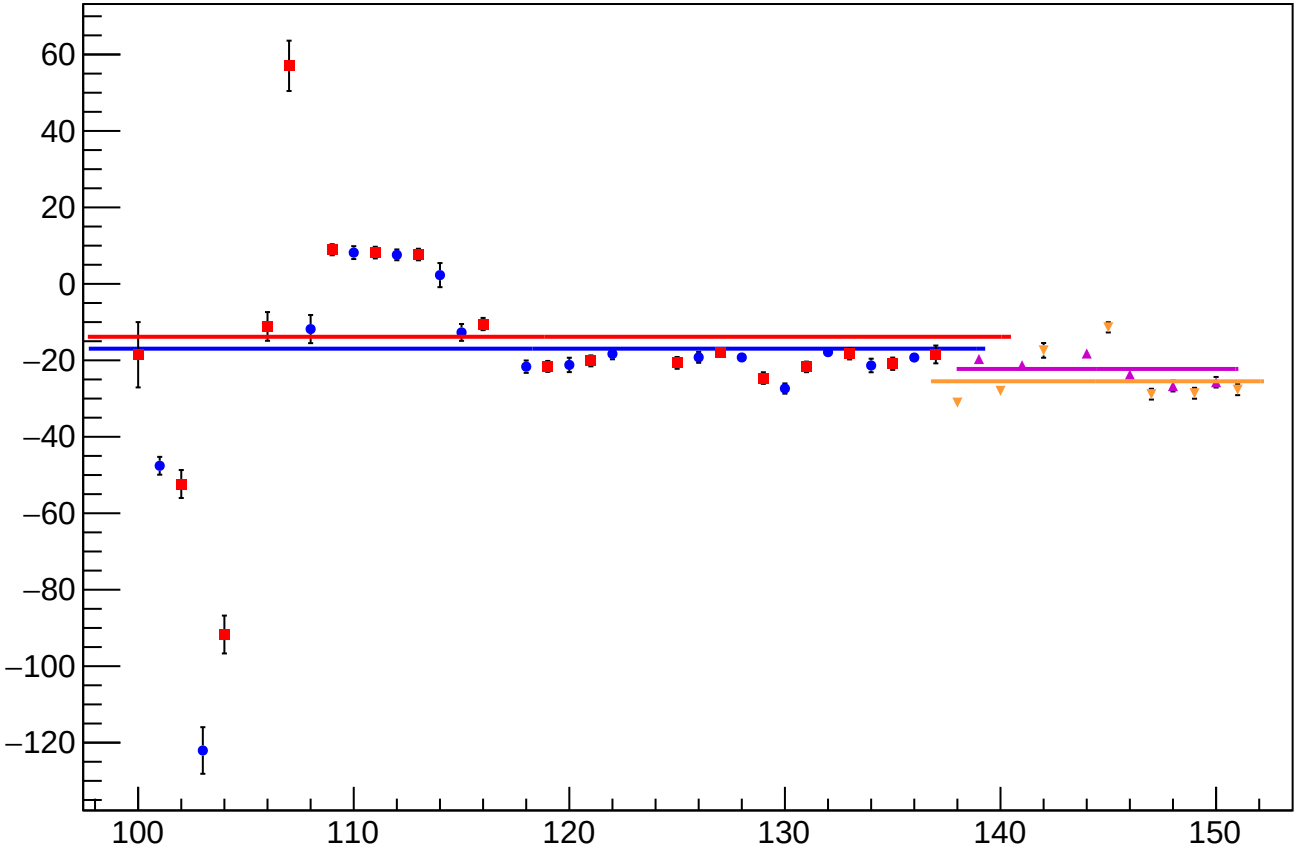
Left In: -36.230+/-0.031 χ^2/NDF:108076.3/5

+ sign -29.460+/-0.024 χ^2/NDF: 910703.1/22

All: -29.972+/-0.017 χ^2/NDF: 1650667.8/46

- sign -30.518+/-0.024 χ^2/NDF: 738995.4/23

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



Right In: -16.949+/-0.404 χ^2/NDF: 1128.2/15

Left Out: -25.483+/-0.515 χ^2/NDF:168.5/6

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

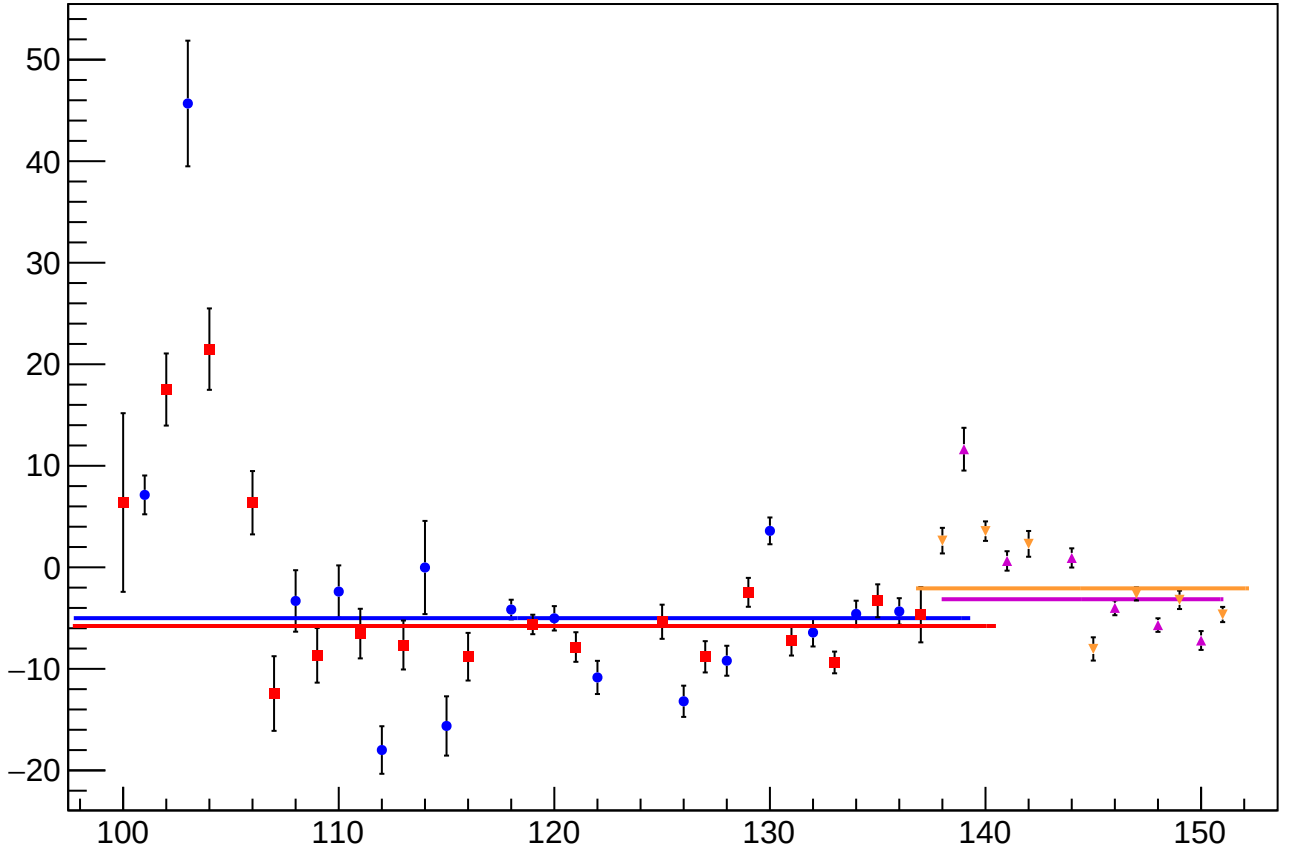
Left In: -22.251+/-0.529 χ^2/NDF:33.1/5

+ sign -20.200+/-0.318 χ^2/NDF: 1466.8/22

All: -18.622+/-0.227 χ^2/NDF: 3041.5/46

- sign -16.984+/-0.324 χ^2/NDF: 1524.4/23

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -5.006+/-0.401 χ^2/NDF: 247.8/15

Left Out: -2.071+/-0.344 χ^2/NDF:101.5/6

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

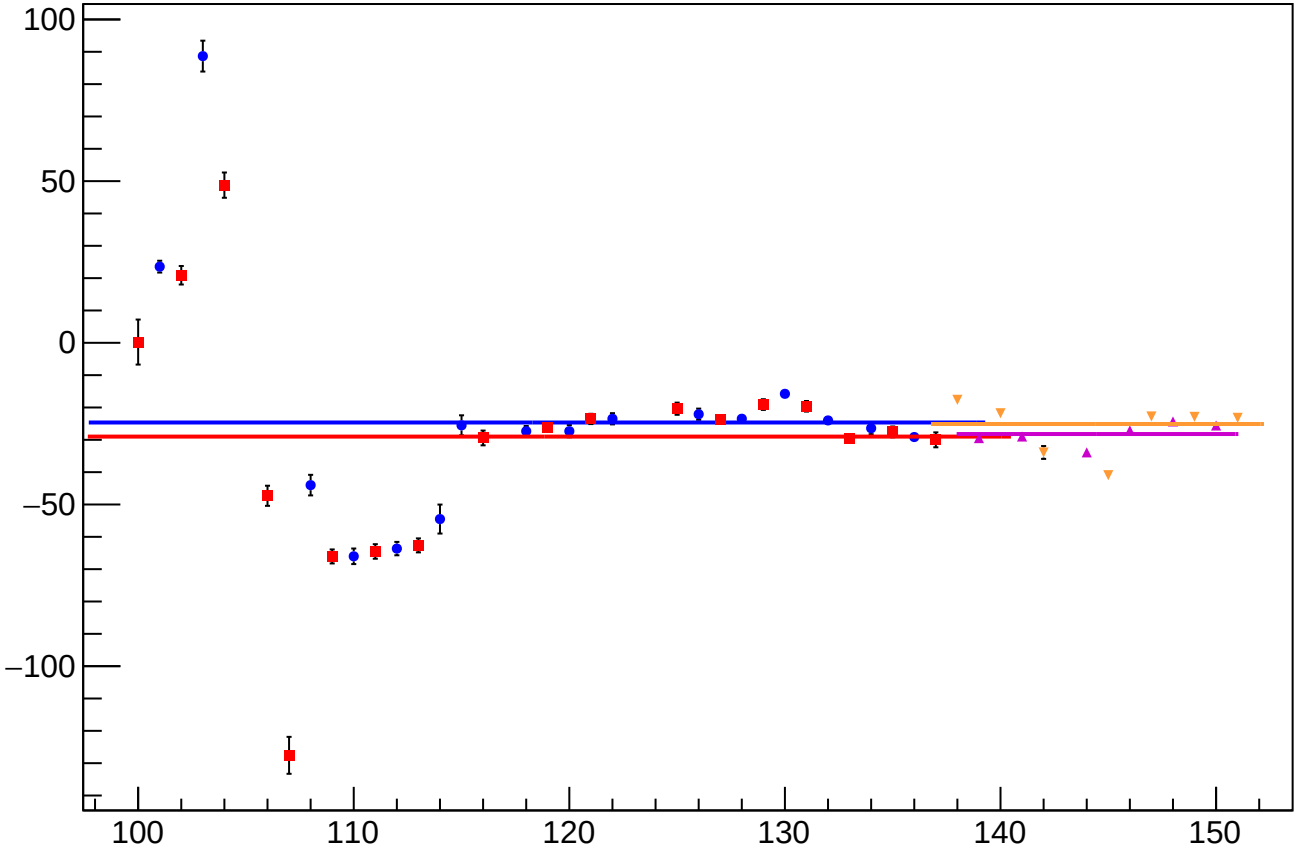
Left In: -3.143+/-0.360 χ^2/NDF:118.3/5

+ sign -3.314+/-0.261 χ^2/NDF: 380.1/22

All: -3.766+/-0.189 χ^2/NDF: 666.8/46

- sign -4.261+/-0.273 χ^2/NDF: 280.4/23

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -24.641+/-0.455 χ^2/NDF: 2051.8/15

Left Out: -25.107+/-0.511 χ^2/NDF:206.1/6

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

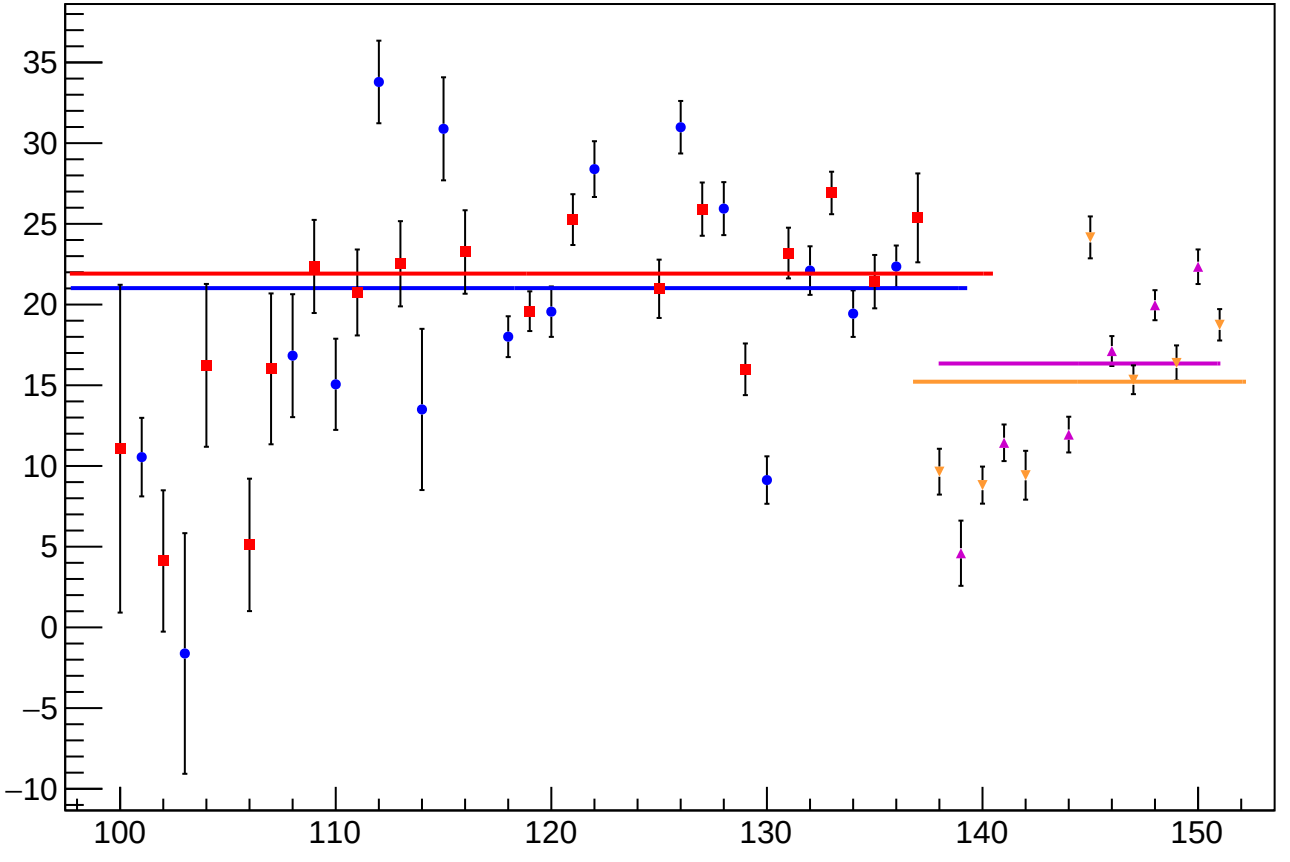
Left In: -28.207+/-0.524 χ^2/NDF:33.6/5

+ sign -24.847+/-0.340 χ^2/NDF: 2258.5/22

All: -26.678+/-0.244 χ^2/NDF: 4305.8/46

- sign -28.643+/-0.352 χ^2/NDF: 1987.2/23

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 15.221+/-0.429 χ^2/NDF:122.9/6

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

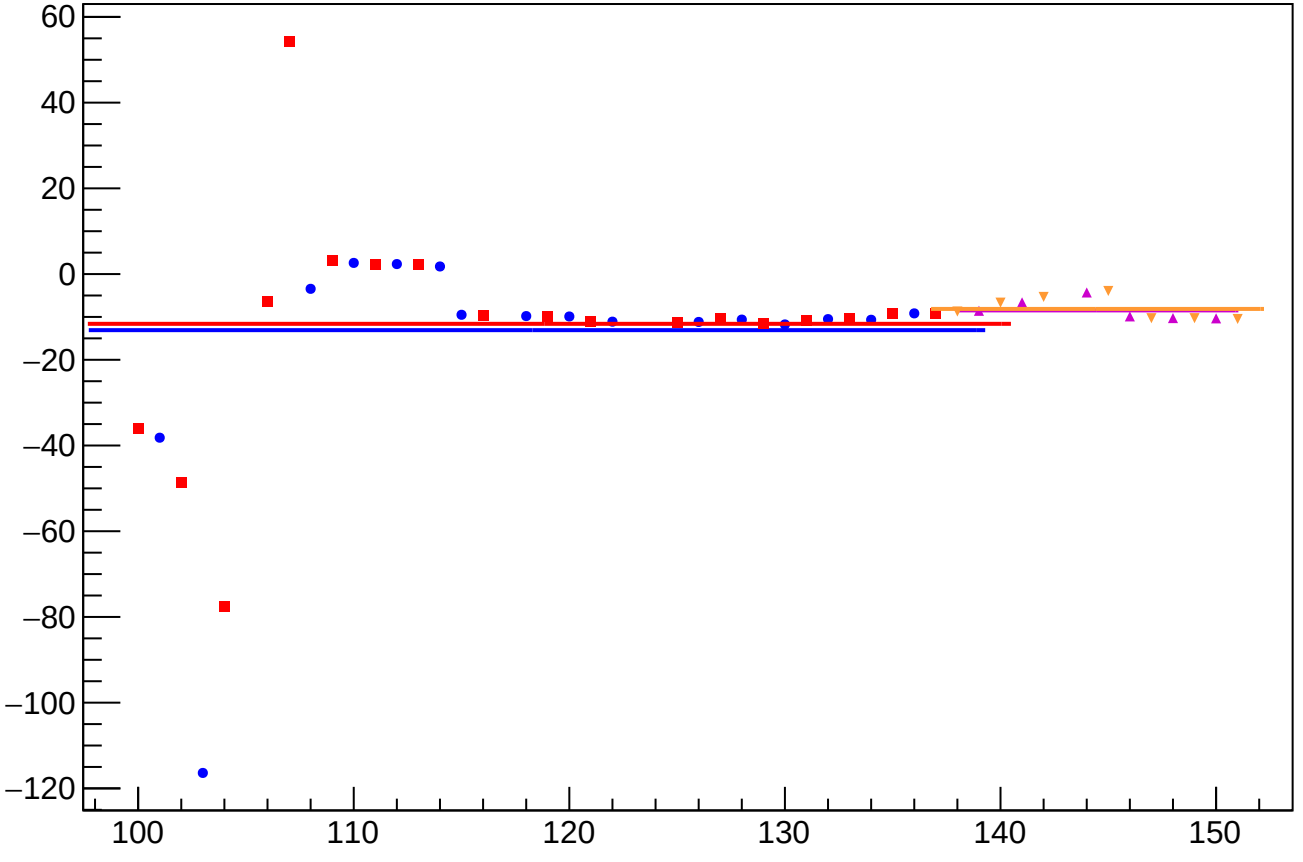
Left In: 16.348+/-0.446 χ^2/NDF:115.5/5

\+ sign 17.927+/-0.313 χ^2/NDF: 417.9/22

All: 18.411+/-0.226 χ^2/NDF: 693.5/46

\- sign 18.937+/-0.326 χ^2/NDF: 270.6/23

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -8.132+/-0.021 χ^2/NDF:13037.0/6

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

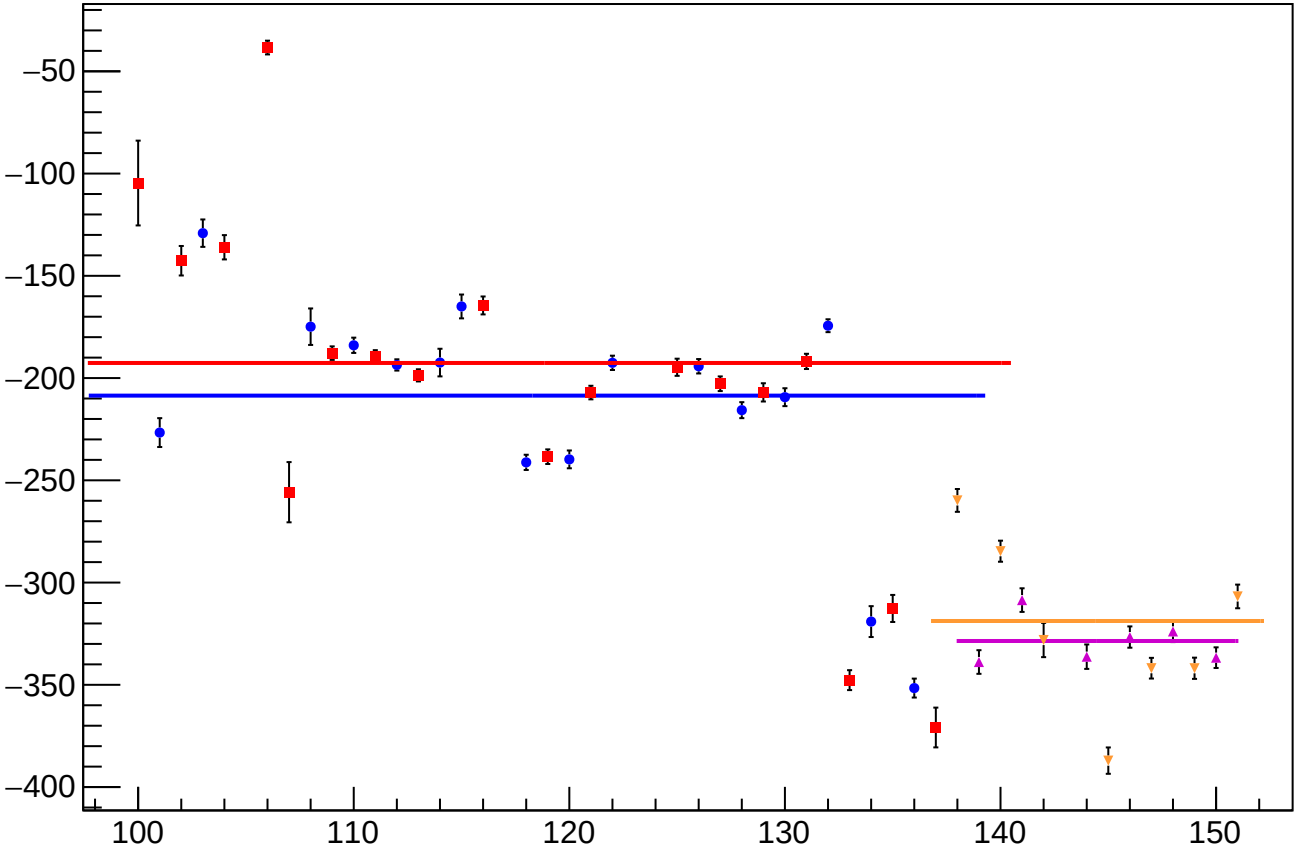
Left In: -8.476+/-0.021 χ^2/NDF:9338.6/5

+ sign -9.893+/-0.017 χ^2/NDF: 377576.8/22

All: -9.692+/-0.012 χ^2/NDF: 708387.8/46

- sign -9.479+/-0.017 χ^2/NDF: 330520.9/23

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -318.792+/-2.160 χ^2/NDF:314.1/6

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

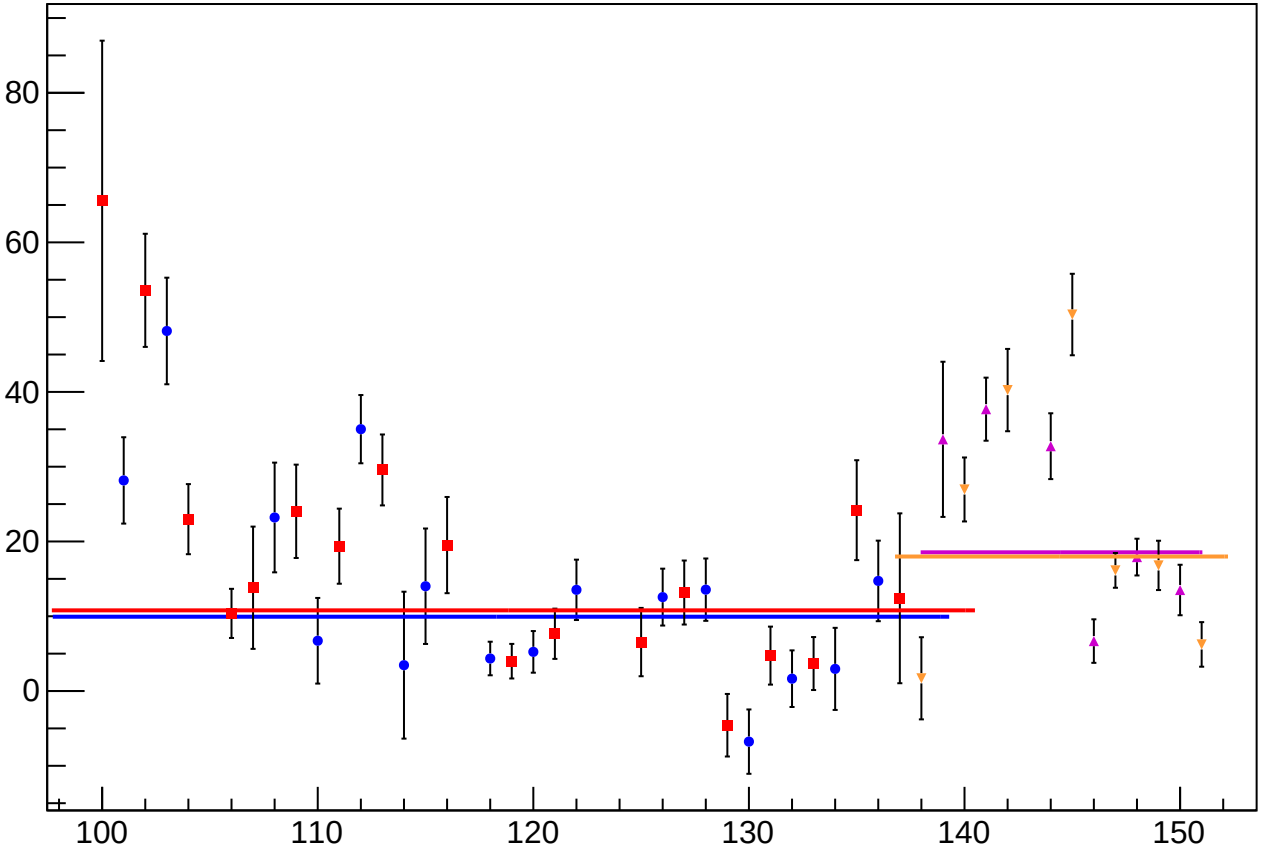
Left In: -328.569+/-2.231 χ^2/NDF:20.4/5

\+ sign -230.180+/-0.956 χ^2/NDF: 4157.4/22

All: -222.393+/-0.660 χ^2/NDF: 11604.6/46

\- sign -215.317+/-0.912 χ^2/NDF: 7320.6/23

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



Right In: 9.938+/-1.065 χ^2/NDF: 106.6/15

Left Out: 17.987+/-1.356 χ^2/NDF:81.1/6

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

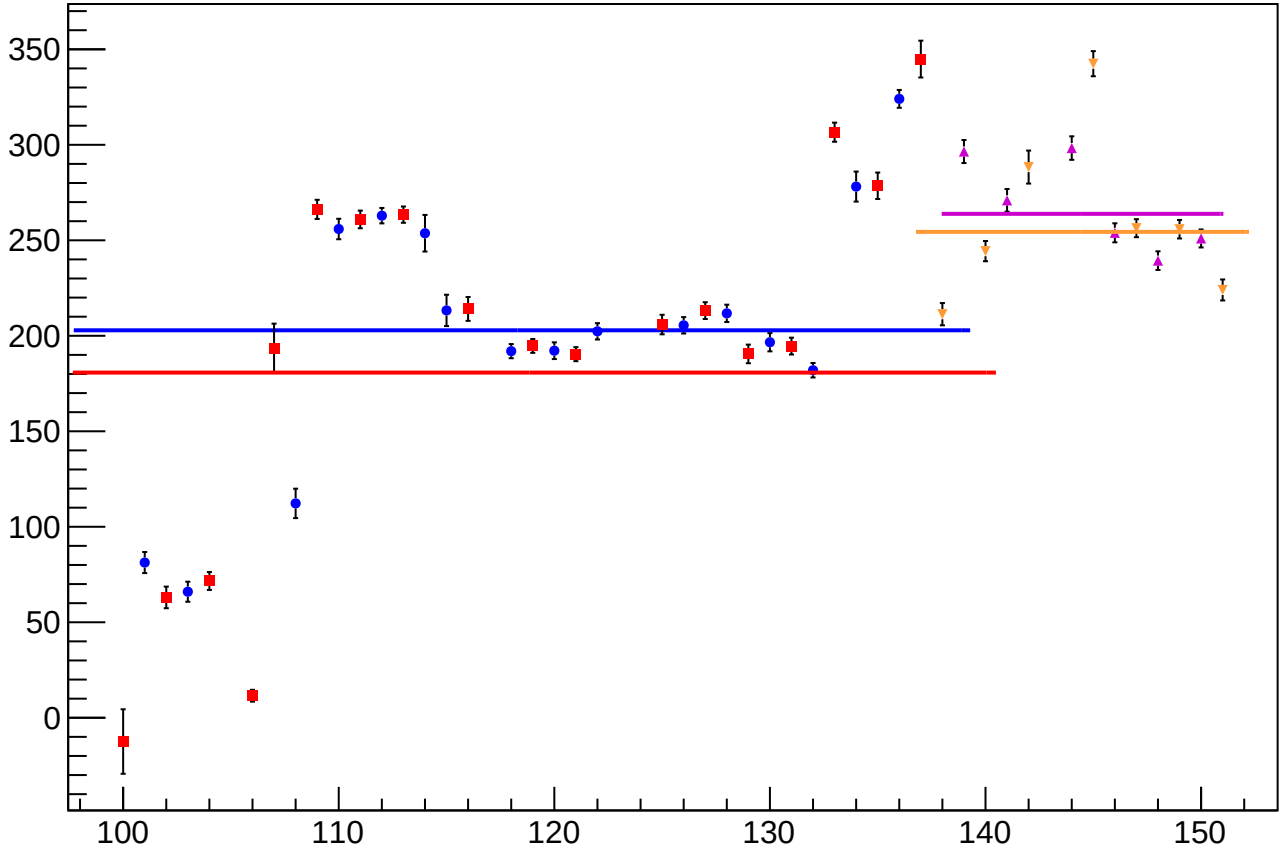
Left In: 18.550+/-1.431 χ^2/NDF:52.0/5

+ sign 13.011+/-0.838 χ^2/NDF: 209.5/22

All: 13.246+/-0.594 χ^2/NDF: 386.0/46

- sign 13.484+/-0.843 χ^2/NDF: 176.3/23

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 202.874+/-1.226 χ^2/NDF: 2464.2/15

Left Out: 254.418+/-2.121 χ^2/NDF:284.2/6

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

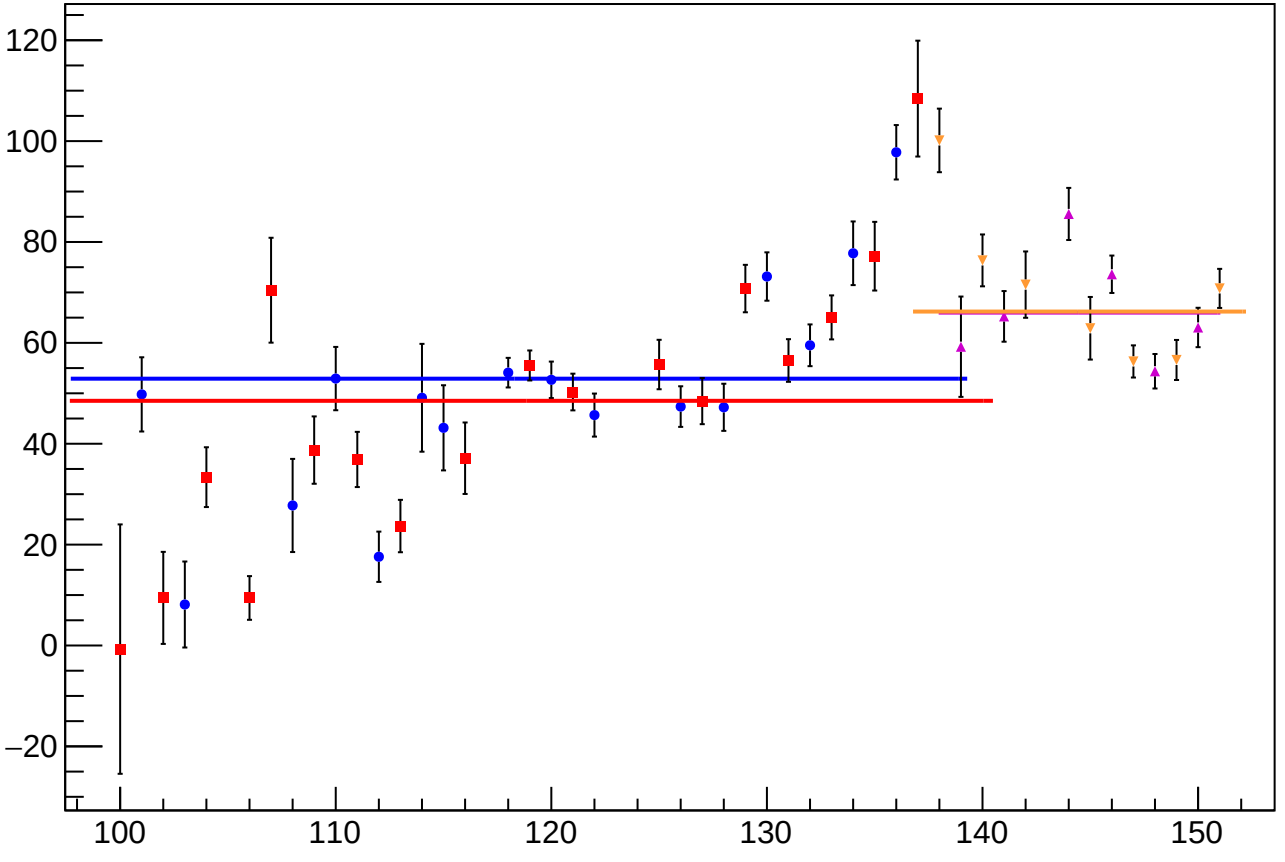
Left In: 263.856+/-2.183 χ^2/NDF:98.7/5

\+ sign 215.775+/-1.061 χ^2/NDF: 3191.1/22

All: 206.803+/-0.733 χ^2/NDF: 10911.7/46

\- sign 198.627+/-1.013 χ^2/NDF: 7584.0/23

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 52.899+/-1.242 χ^2/NDF: 198.3/15

Left Out: 66.206+/-1.714 χ^2/NDF:50.7/6

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

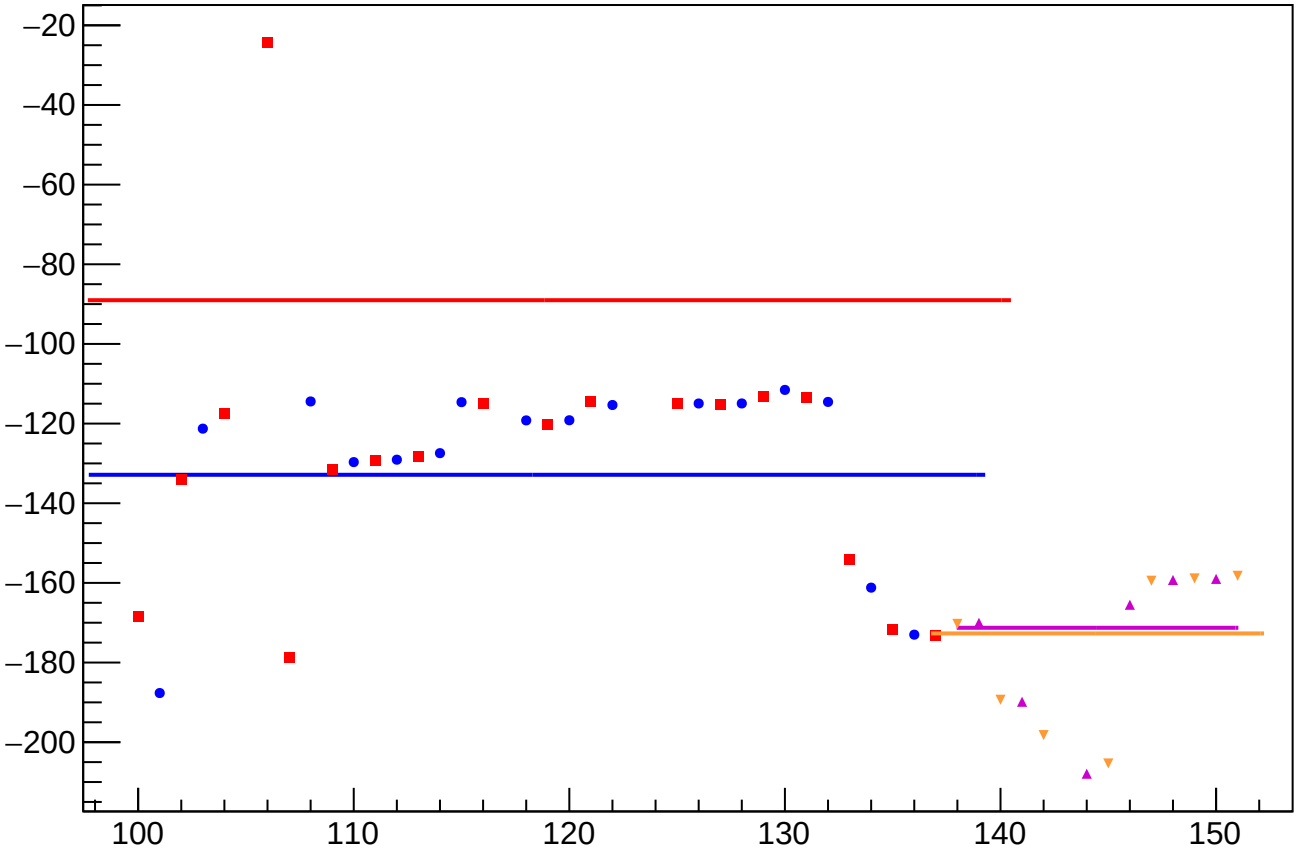
Left In: 65.998+/-1.793 χ^2/NDF:31.2/5

+ sign 57.479+/-1.005 χ^2/NDF: 288.5/22

All: 55.744+/-0.711 χ^2/NDF: 630.9/46

- sign 54.009+/-1.005 χ^2/NDF: 336.4/23

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

Left Out: -172.689+/-0.089 χ^2/NDF:38956.7/6

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

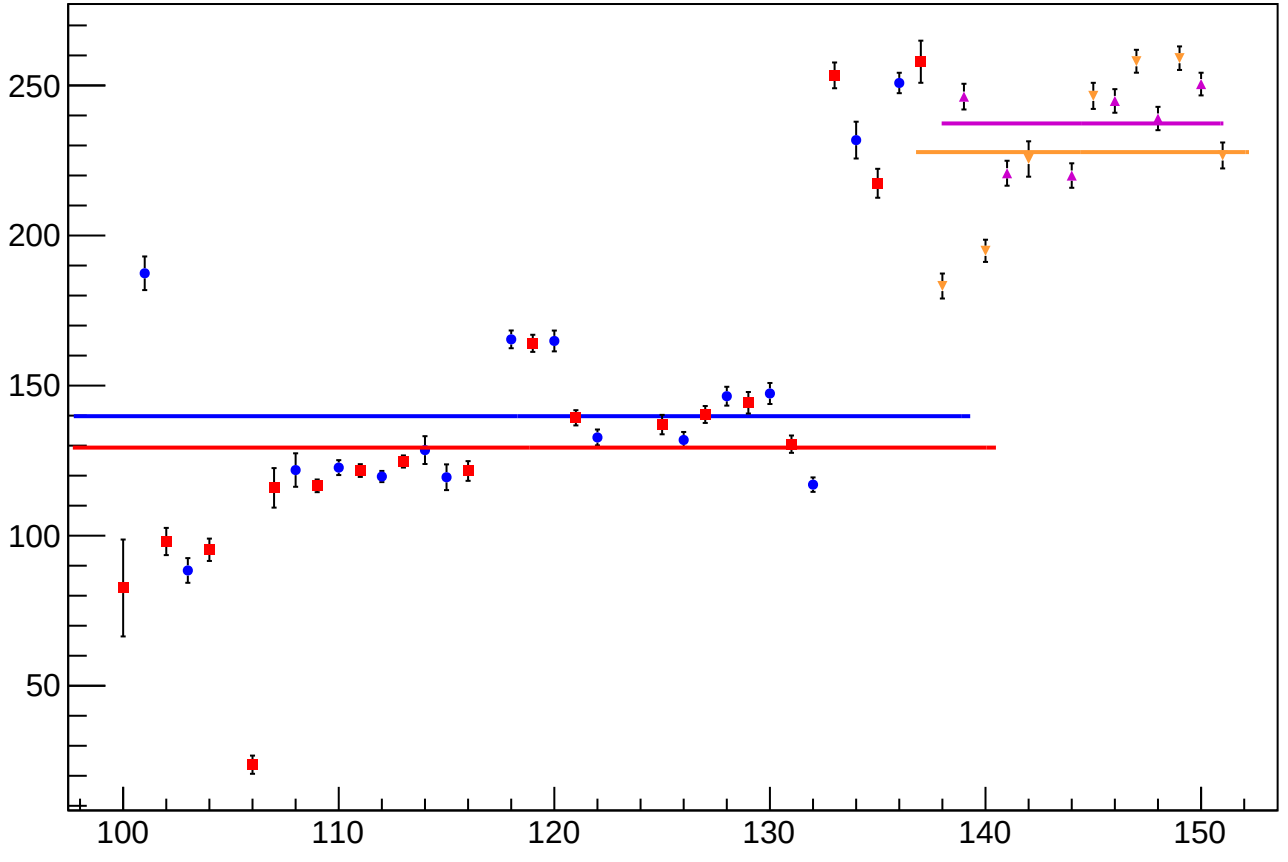
Left In: -171.271+/-0.089 χ^2/NDF:32060.6/5

+ sign -151.028+/-0.060 χ^2/NDF: 241824.8/22

All: -131.717+/-0.039 χ^2/NDF: 1746291.6/46

- sign -117.192+/-0.052 χ^2/NDF: 1322926.2/23

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 227.794+/-1.582 χ^2/NDF:339.3/6

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

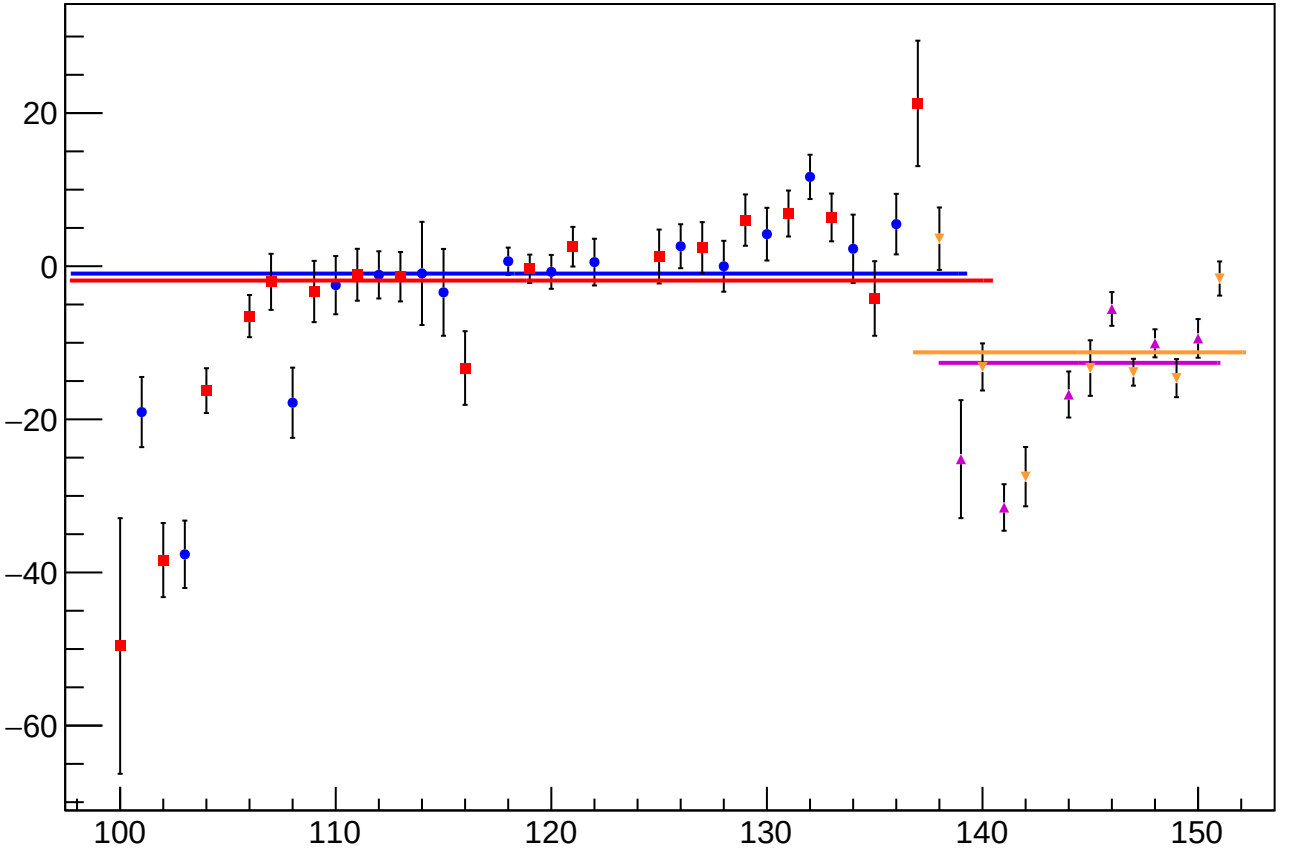
Left In: 237.339+/-1.636 χ^2/NDF:54.3/5

+ sign 157.182+/-0.703 χ^2/NDF: 4787.4/22

All: 152.081+/-0.485 χ^2/NDF: 11691.9/46

- sign 147.446+/-0.670 χ^2/NDF: 6803.9/23

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -11.247+/-1.002 χ^2/NDF:54.3/6

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

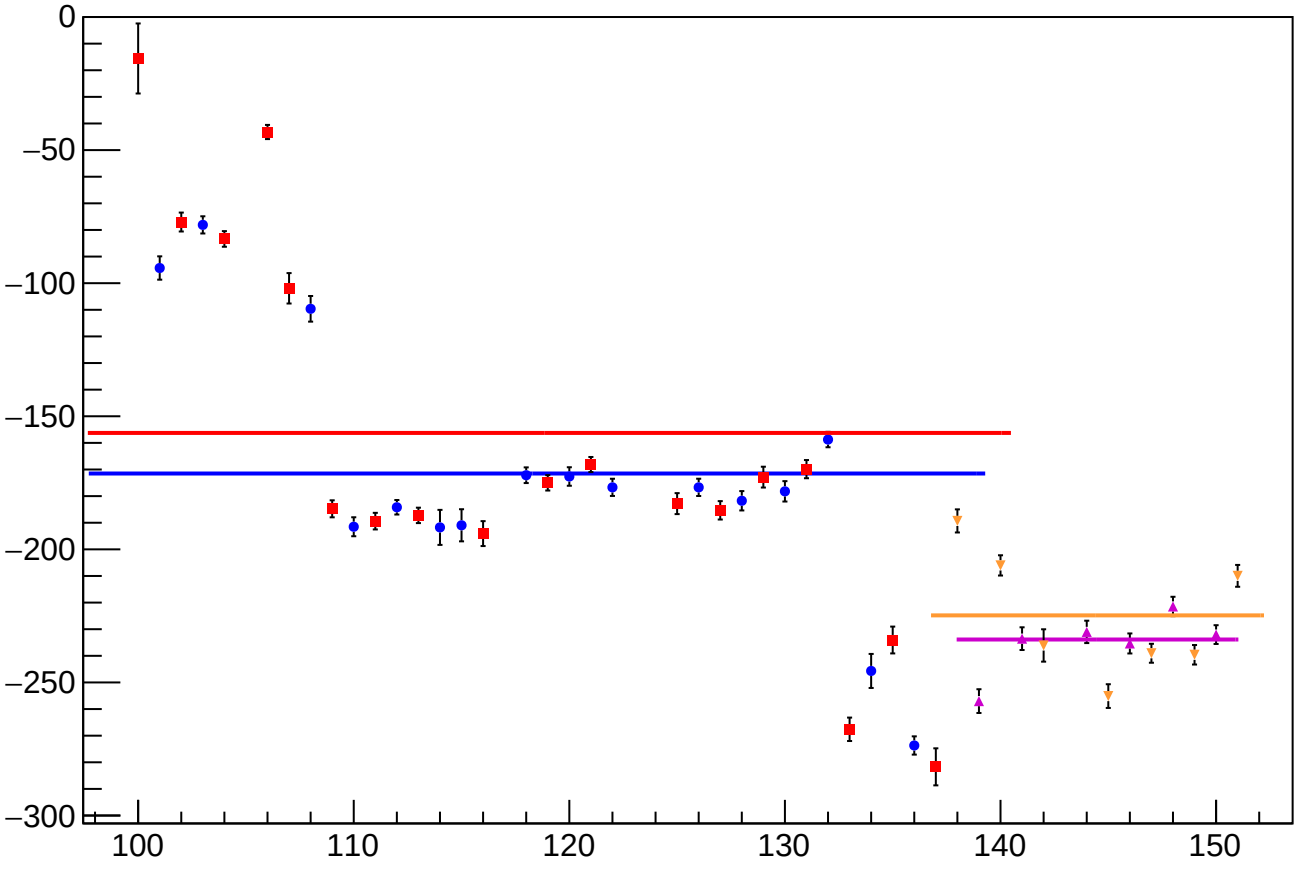
Left In: -12.622+/-1.056 χ^2/NDF:57.0/5

+ sign -5.018+/-0.629 χ^2/NDF: 244.2/22

All: -5.353+/-0.445 χ^2/NDF: 501.8/46

- sign -5.688+/-0.629 χ^2/NDF: 257.0/23

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -224.804+/-1.557 χ^2/NDF:186.4/6

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

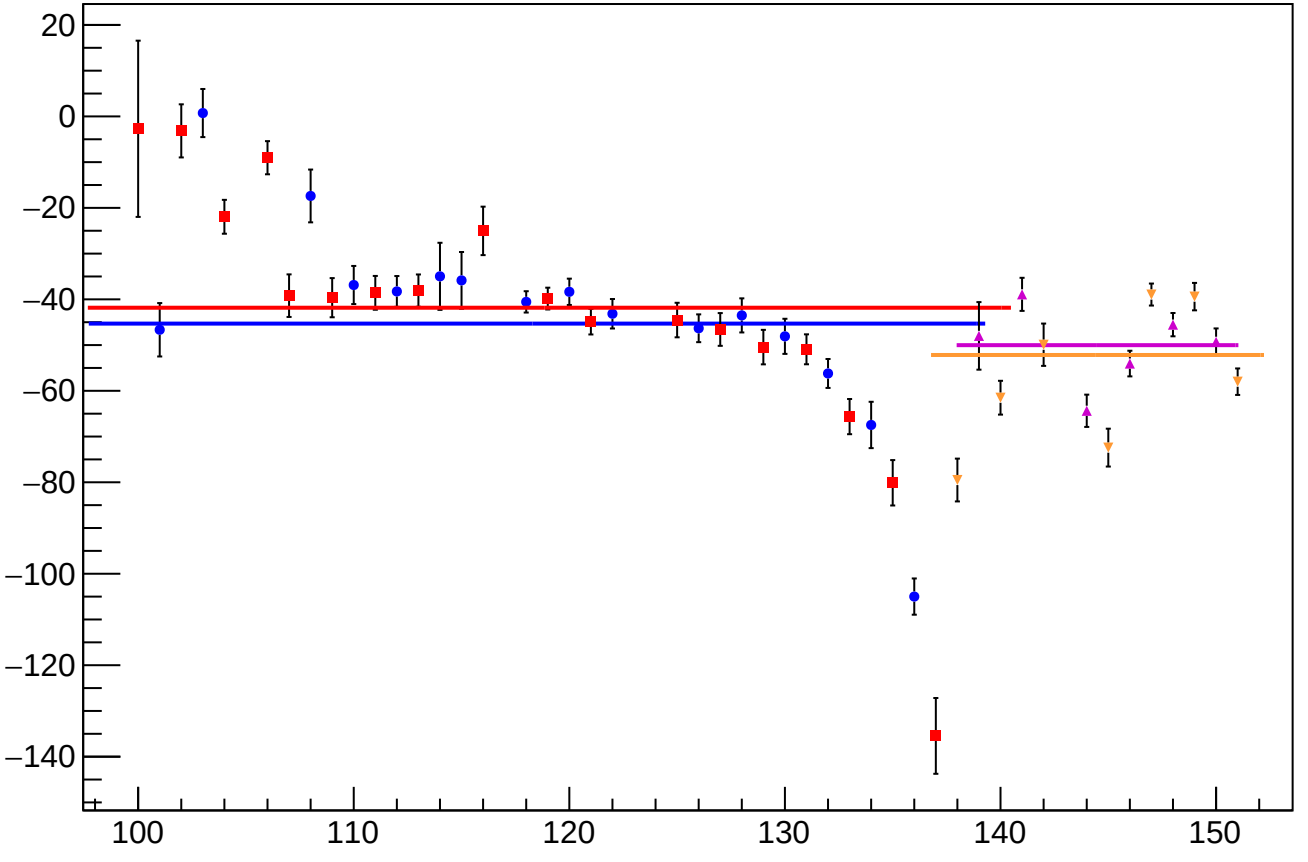
Left In: -233.872+/-1.604 χ^2/NDF:39.4/5

\+ sign -185.003+/-0.784 χ^2/NDF: 3504.0/22

All: -178.830+/-0.542 χ^2/NDF: 10396.2/46

\- sign -173.186+/-0.749 χ^2/NDF: 6773.5/23

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -52.165+/-1.263 χ^2/NDF:117.0/6

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

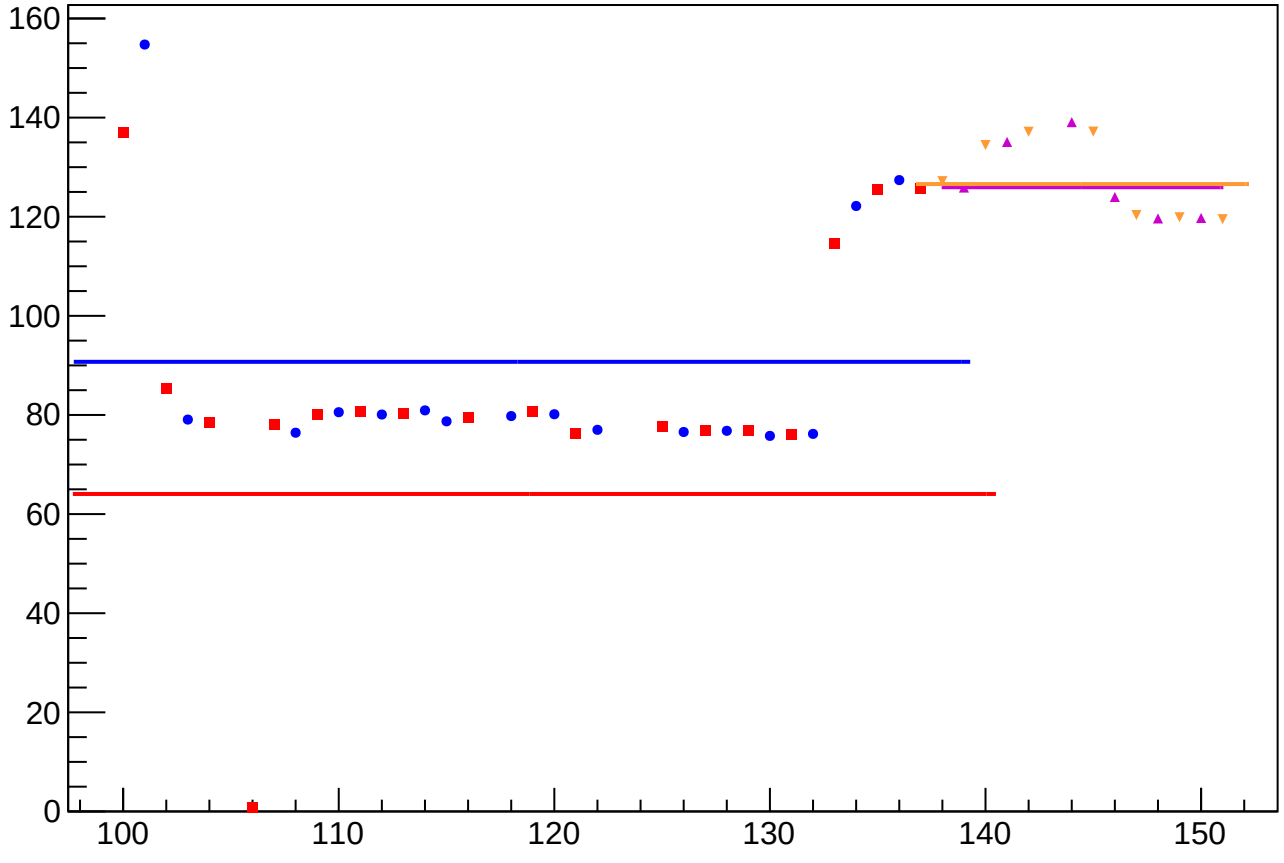
Left In: -50.018+/-1.321 χ^2/NDF:31.3/5

+ sign -47.743+/-0.753 χ^2/NDF: 518.1/22

All: -46.095+/-0.531 χ^2/NDF: 999.2/46

- sign -44.465+/-0.749 χ^2/NDF: 471.6/23

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 90.726+/-0.058 χ^2/NDF: 161153.0/15

Left Out: 126.591+/-0.065 χ^2/NDF:12882.5/6

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

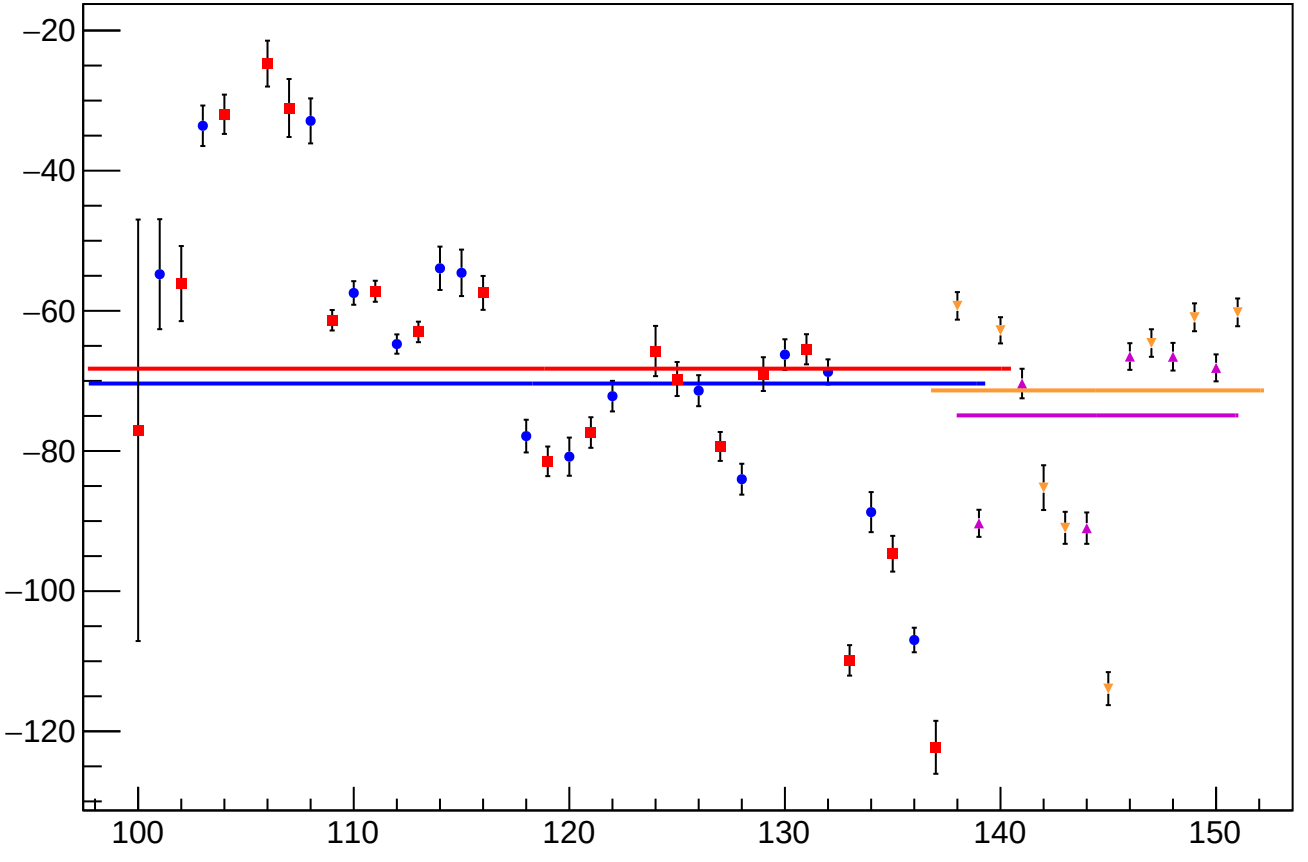
Left In: 125.951+/-0.065 χ^2/NDF:11464.4/5

+ sign 106.721+/-0.044 χ^2/NDF: 341757.1/22

All: 95.579+/-0.029 χ^2/NDF: 1703880.9/46

- sign 86.464+/-0.039 χ^2/NDF: 1243022.3/23

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -71.357+/-0.750 χ^2/NDF:548.4/7

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

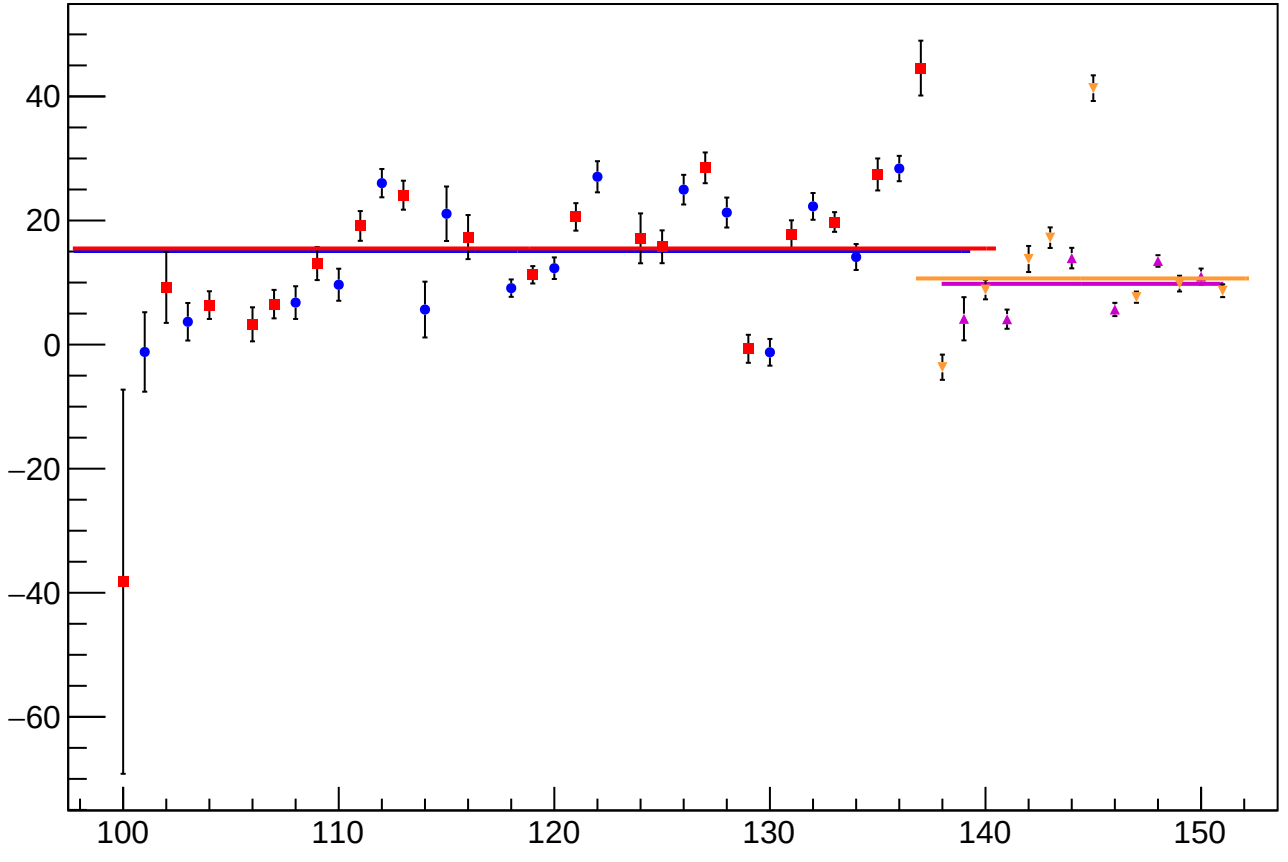
Left In: -74.920+/-0.818 χ^2/NDF:169.6/5

\+ sign -70.724+/-0.447 χ^2/NDF: 1524.4/23

All: -70.463+/-0.315 χ^2/NDF: 3047.6/48

\- sign -70.206+/-0.443 χ^2/NDF: 1522.5/24

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 10.663+/-0.485 χ^2/NDF:303.7/7

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

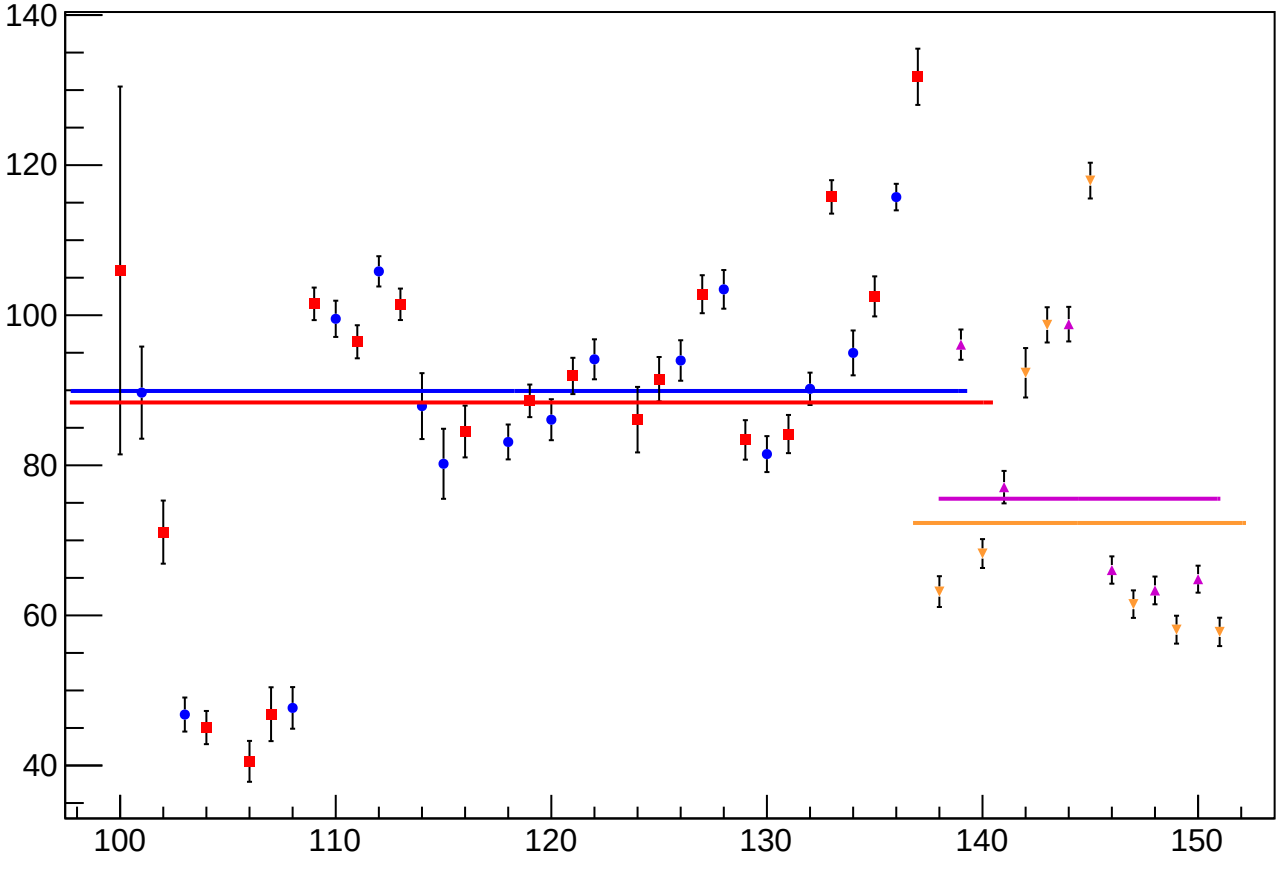
Left In: 9.793+/-0.535 χ^2/NDF:53.8/5

\+ sign 12.481+/-0.372 χ^2/NDF: 580.4/23

All: 12.501+/-0.268 χ^2/NDF: 927.8/48

\- sign 12.523+/-0.386 χ^2/NDF: 347.4/24

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



Right In: 89.907+/-0.641 χ^2/NDF: 947.7/15

Left Out: 72.319+/-0.741 χ^2/NDF:706.1/7

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

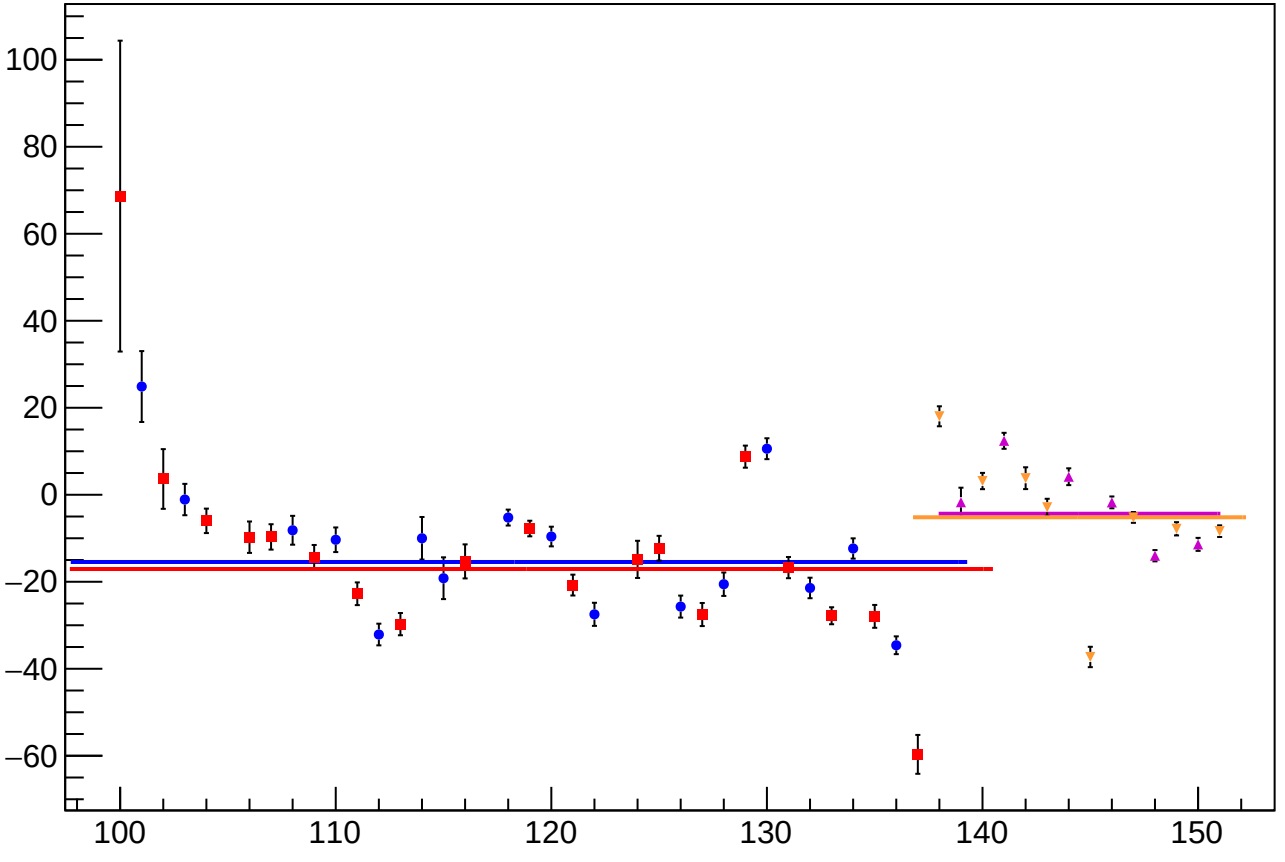
Left In: 75.549+/-0.803 χ^2/NDF:312.5/5

+ sign 82.378+/-0.485 χ^2/NDF: 1976.4/23

All: 82.987+/-0.344 χ^2/NDF: 3741.4/48

- sign 83.608+/-0.489 χ^2/NDF: 1761.7/24

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: -5.177+/-0.607 χ^2/NDF:332.5/7

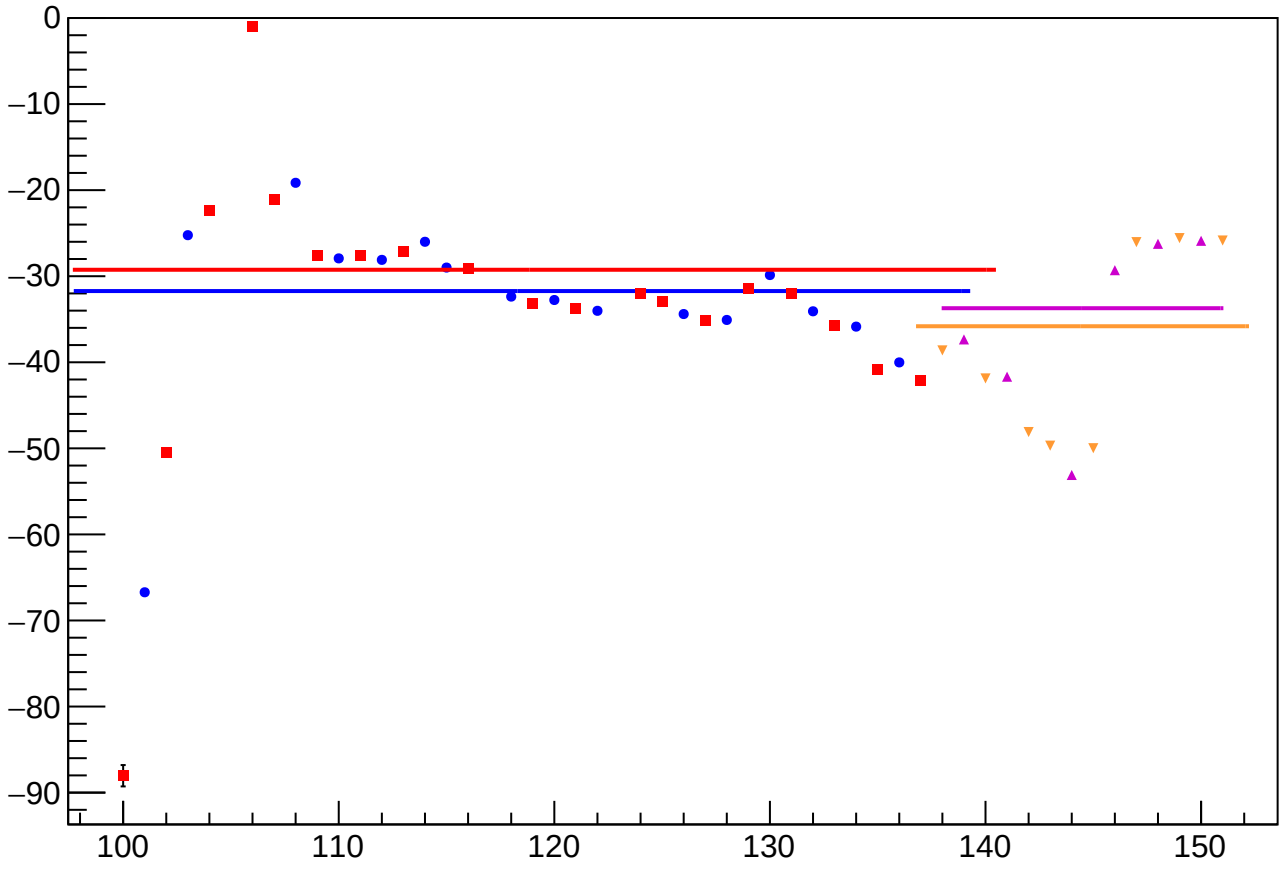
Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: -4.361+/-0.669 χ^2/NDF:184.5/5

+ sign -9.847+/-0.449 χ^2/NDF: 849.2/23

All: -10.384+/-0.322 χ^2/NDF: 1584.9/48

- sign -10.959+/-0.464 χ^2/NDF: 732.8/24



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -35.813+/-0.031 χ^2/NDF:107280.3/7

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

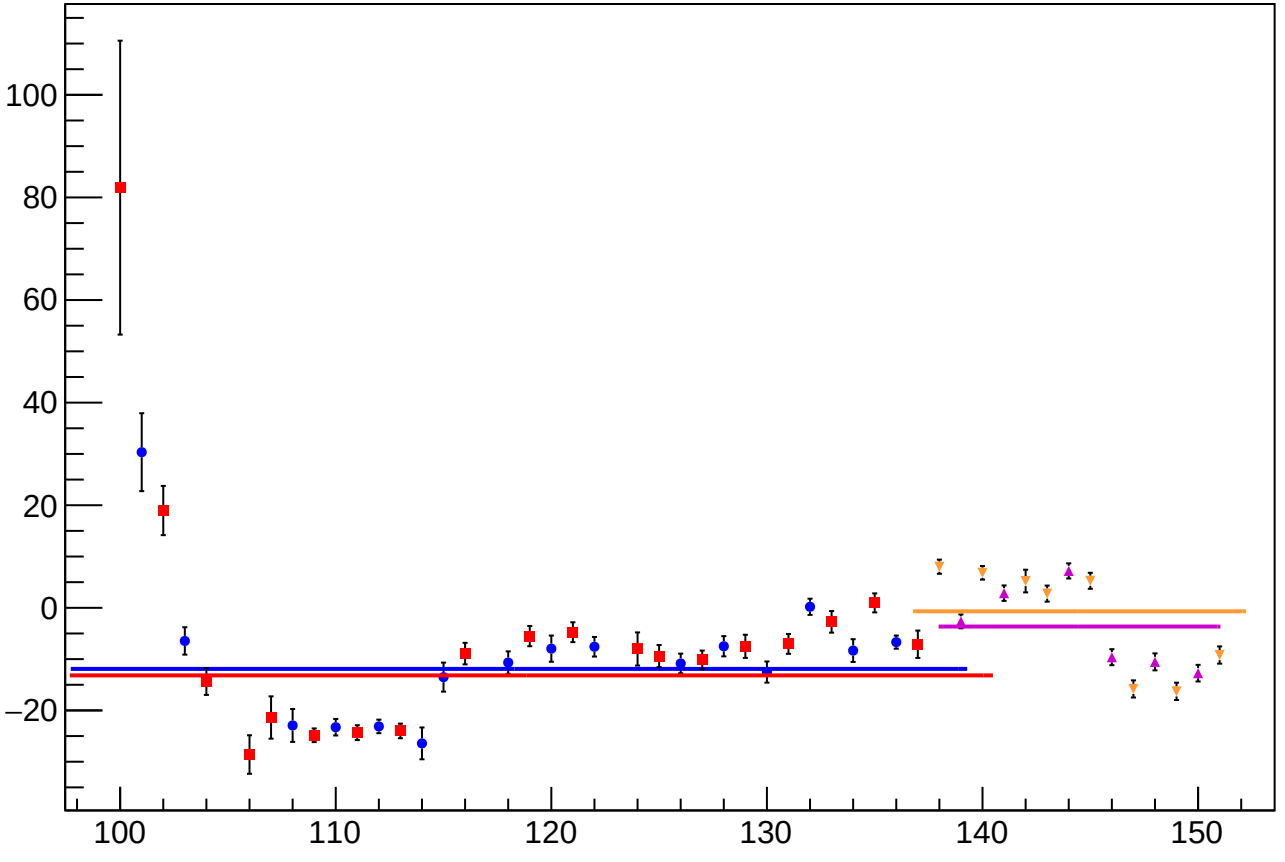
Left In: -33.717+/-0.033 χ^2/NDF:70630.5/5

+ sign -34.224+/-0.024 χ^2/NDF: 153805.4/23

All: -33.078+/-0.017 χ^2/NDF: 332259.9/48

- sign -31.854+/-0.025 χ^2/NDF: 173743.9/24

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: -11.906+/-0.497 χ^2/NDF: 282.1/15

Left Out: -0.676+/-0.561 χ^2/NDF:291.4/7

Right Out: -13.169+/-0.480 χ^2/NDF: 421.5/18

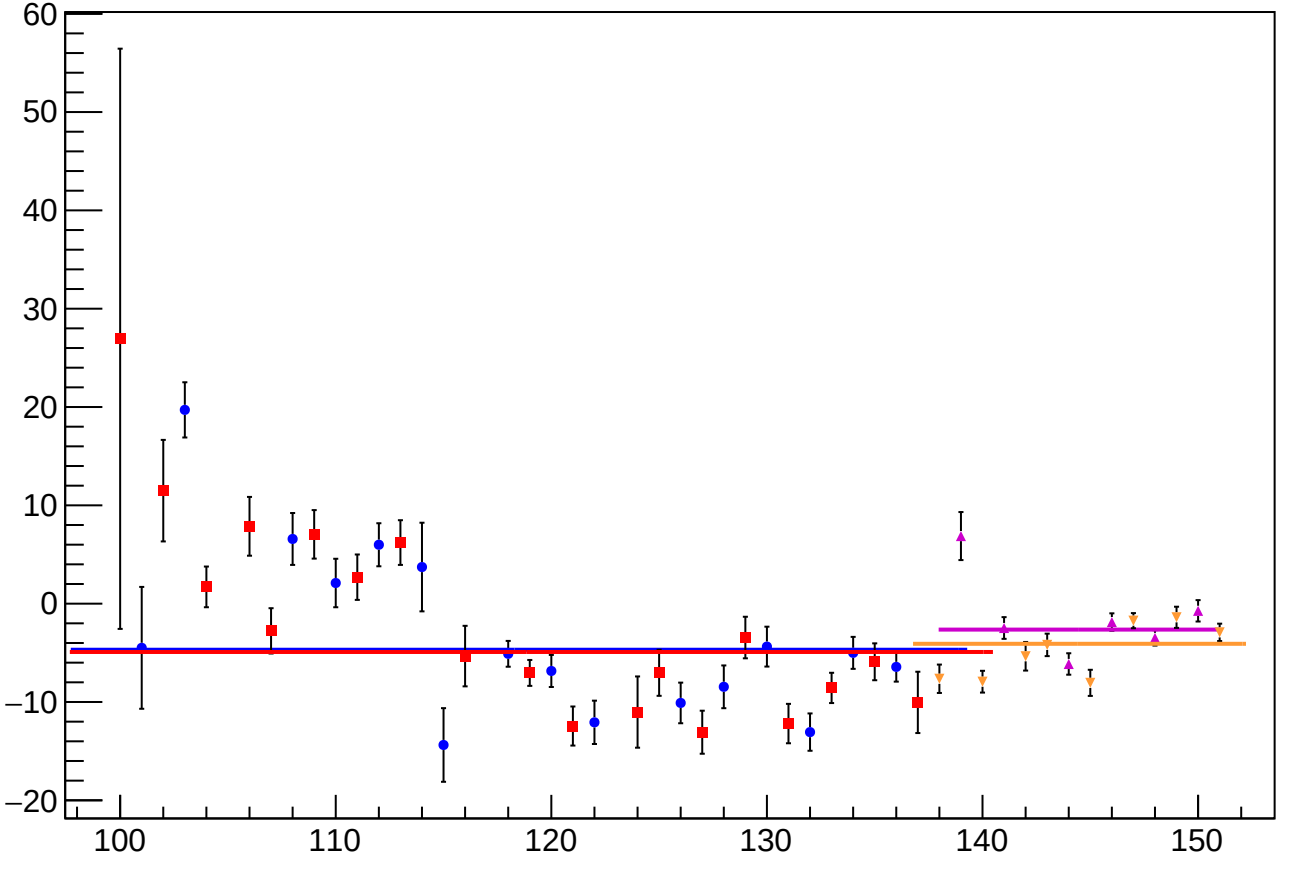
Left In: -3.651+/-0.619 χ^2/NDF:136.9/5

+ sign -6.966+/-0.372 χ^2/NDF: 798.3/23

All: -8.254+/-0.266 χ^2/NDF: 1528.7/48

- sign -9.596+/-0.379 χ^2/NDF: 705.9/24

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -4.082+/-0.380 χ^2/NDF:45.2/7

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

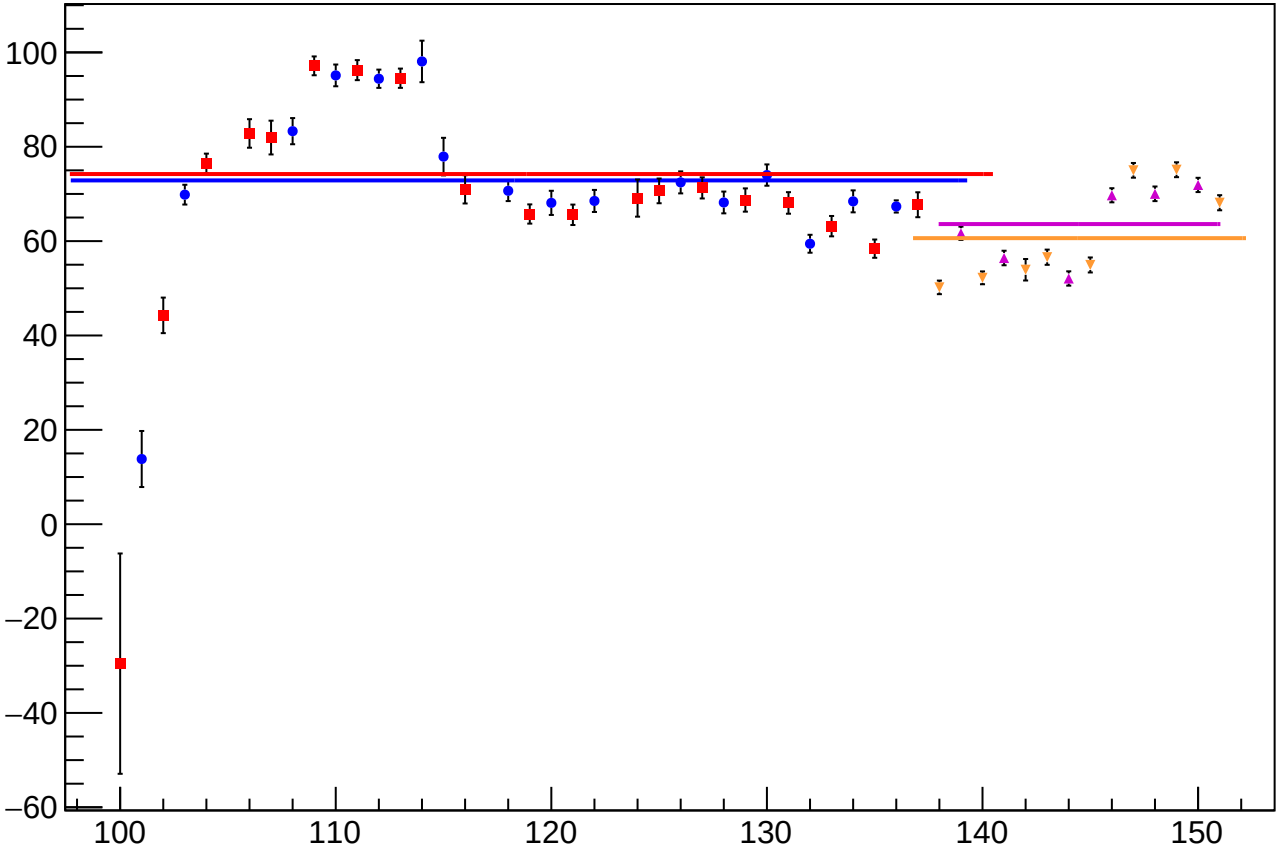
Left In: -2.638+/-0.423 χ^2/NDF:30.5/5

+ sign -4.294+/-0.306 χ^2/NDF: 225.1/23

All: -3.951+/-0.223 χ^2/NDF: 425.9/48

- sign -3.560+/-0.326 χ^2/NDF: 198.0/24

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 60.629+/-0.559 χ^2/NDF:309.7/7

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

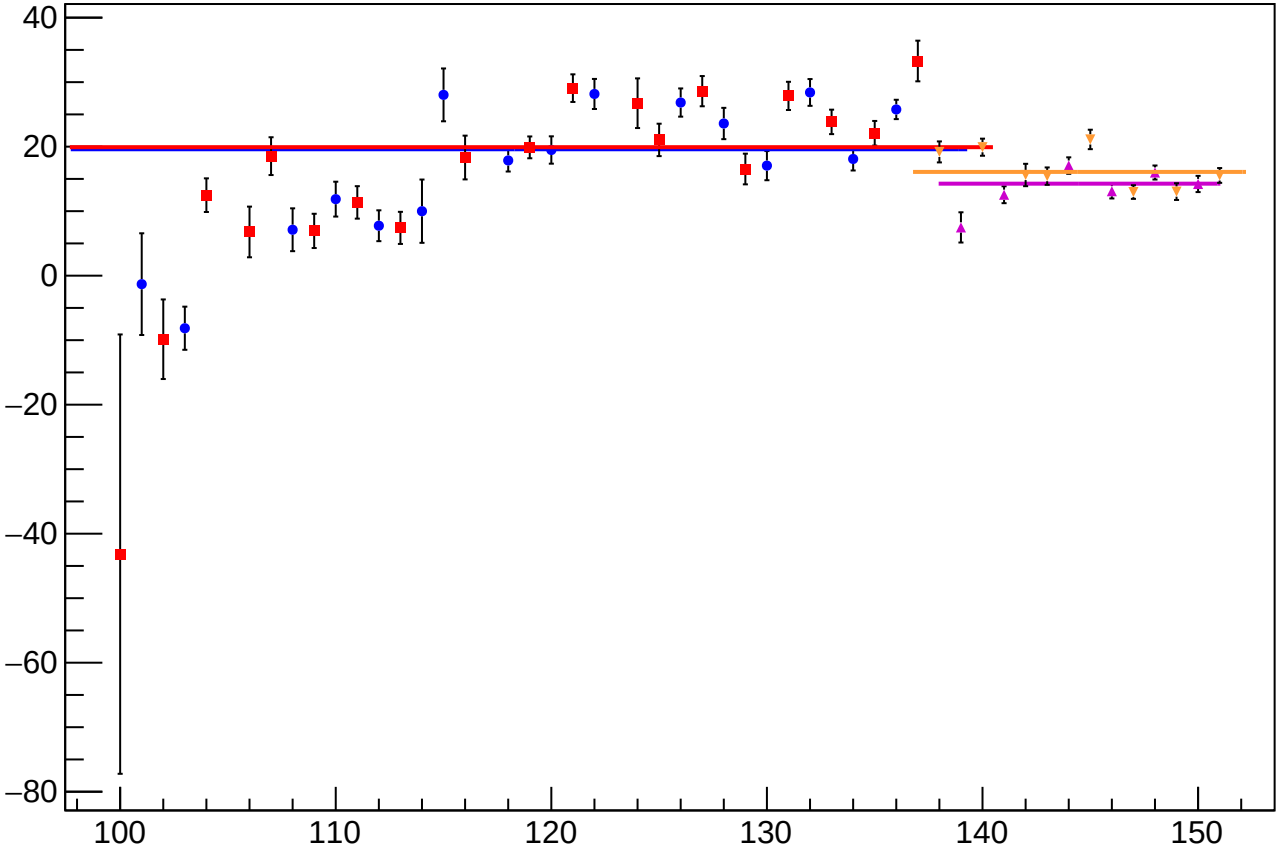
Left In: 63.614+/-0.613 χ^2/NDF:145.2/5

\+ sign 66.682+/-0.398 χ^2/NDF: 997.1/23

All: 67.973+/-0.287 χ^2/NDF: 1912.9/48

\- sign 69.375+/-0.414 χ^2/NDF: 893.8/24

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 19.598+/-0.585 χ^2/NDF: 196.0/15

Left Out: 16.086+/-0.470 χ^2/NDF:38.0/7

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

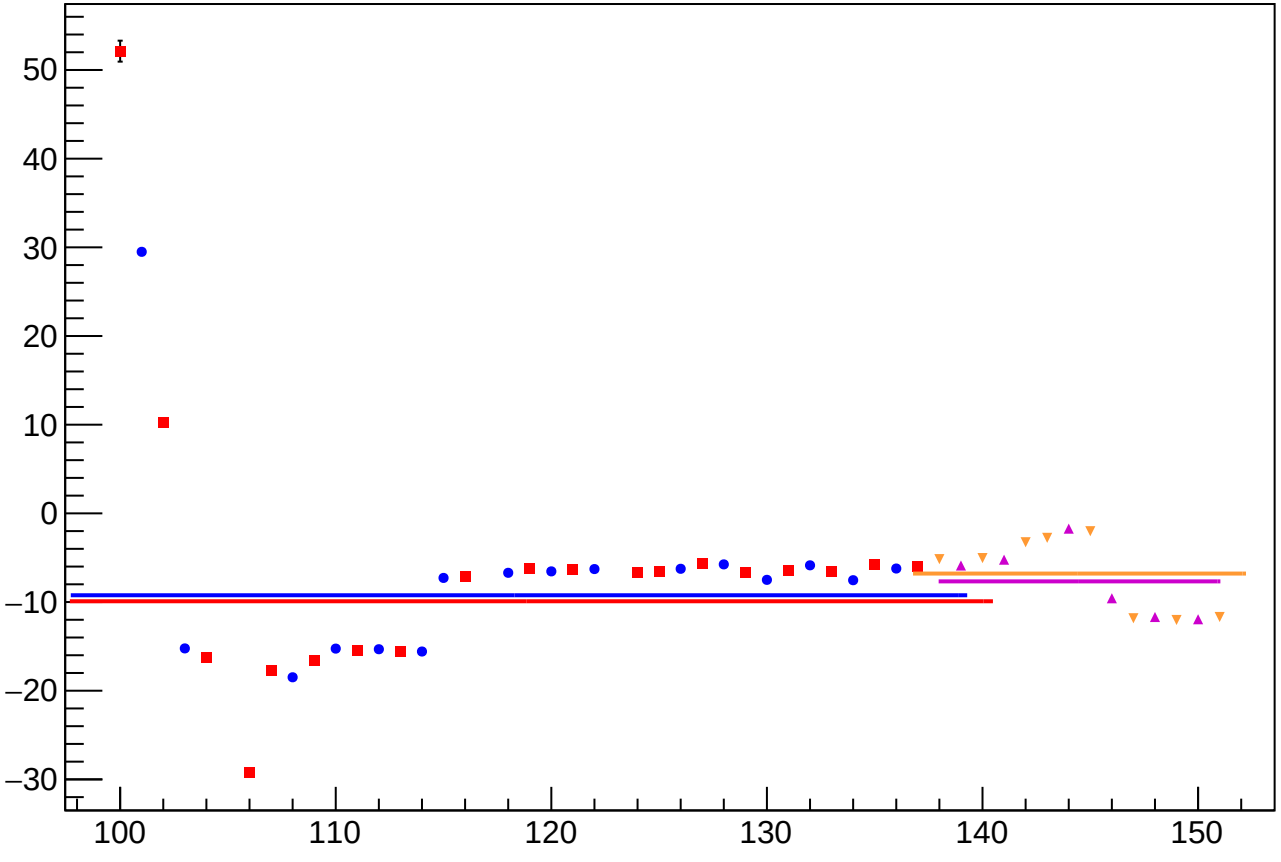
Left In: 14.262+/-0.524 χ^2/NDF:18.5/5

\+ sign 17.463+/-0.366 χ^2/NDF: 255.9/23

All: 17.142+/-0.267 χ^2/NDF: 509.2/48

\- sign 16.778+/-0.390 χ^2/NDF: 251.7/24

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: -9.235+/-0.033 χ^2/NDF: 31159.3/15

Left Out: -6.789+/-0.023 χ^2/NDF:30216.4/7

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

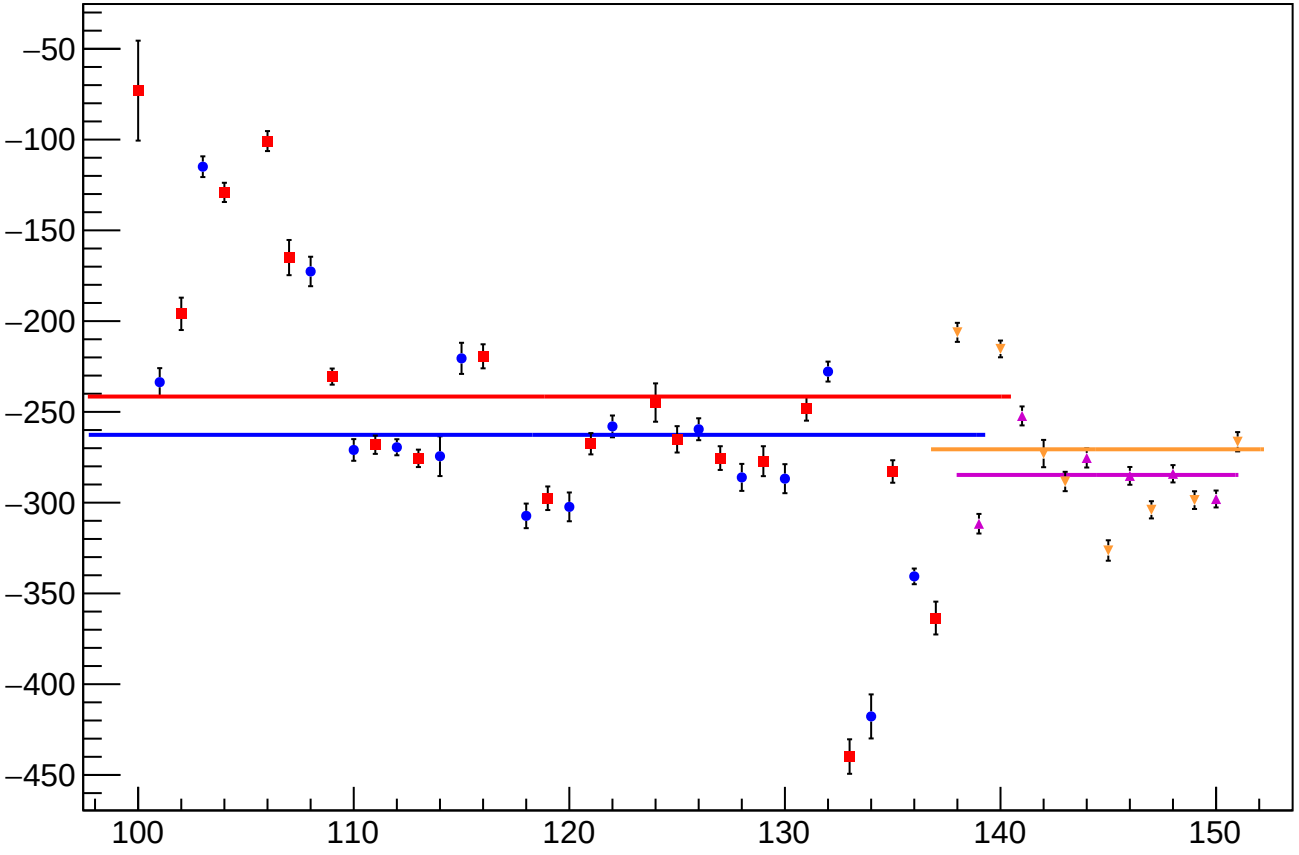
Left In: -7.671+/-0.025 χ^2/NDF:20316.1/5

+ sign -7.599+/-0.019 χ^2/NDF: 65083.8/23

All: -7.992+/-0.014 χ^2/NDF: 142974.4/48

- sign -8.436+/-0.020 χ^2/NDF: 76971.8/24

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -262.643+/-1.614 χ^2/NDF: 1454.3/15

Left Out: -270.607+/-1.858 χ^2/NDF:486.5/7

Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

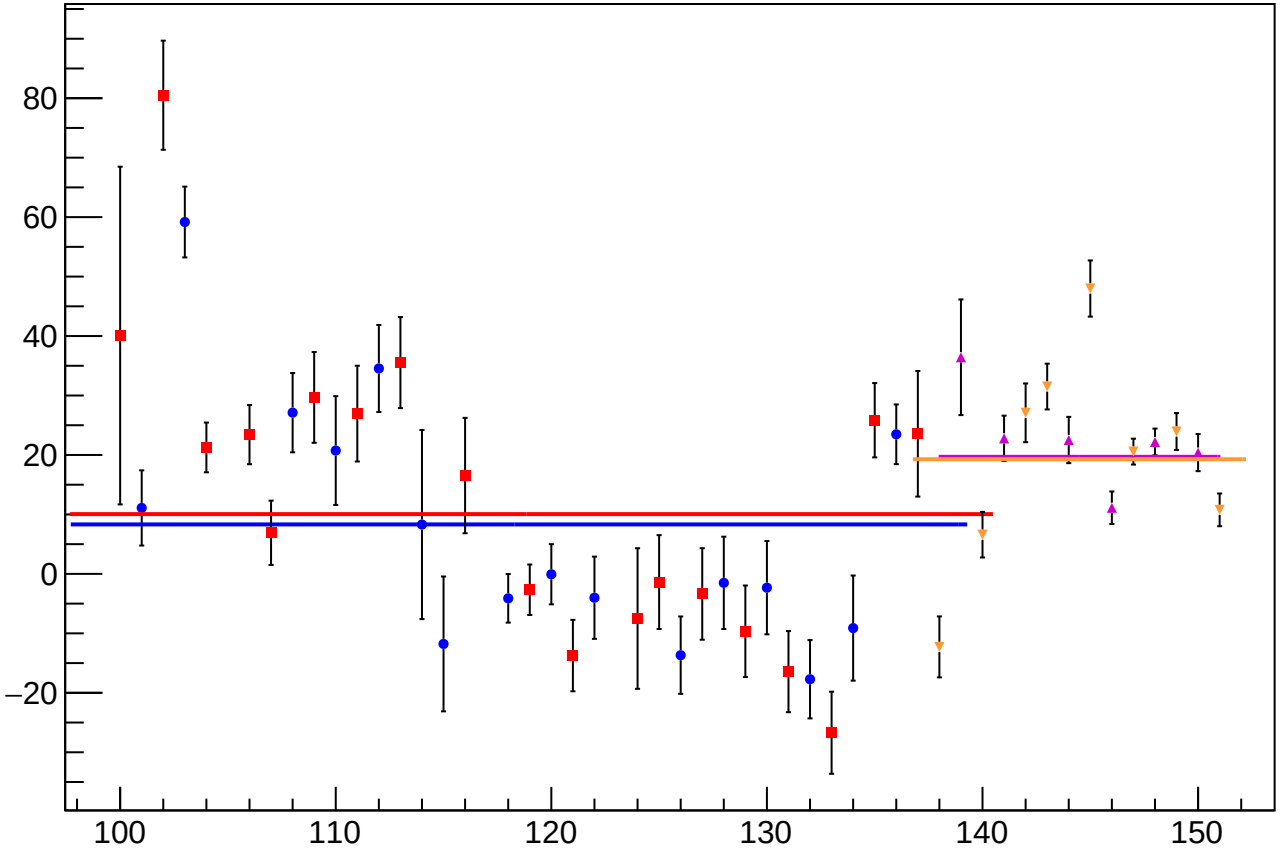
Left In: -284.725+/-2.047 χ^2/NDF:74.8/5

+ sign -266.068+/-1.218 χ^2/NDF: 1951.2/23

All: -261.368+/-0.860 χ^2/NDF: 4482.7/48

- sign -256.708+/-1.213 χ^2/NDF: 2501.9/24

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: 19.281+/-1.190 χ^2/NDF:110.5/7

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

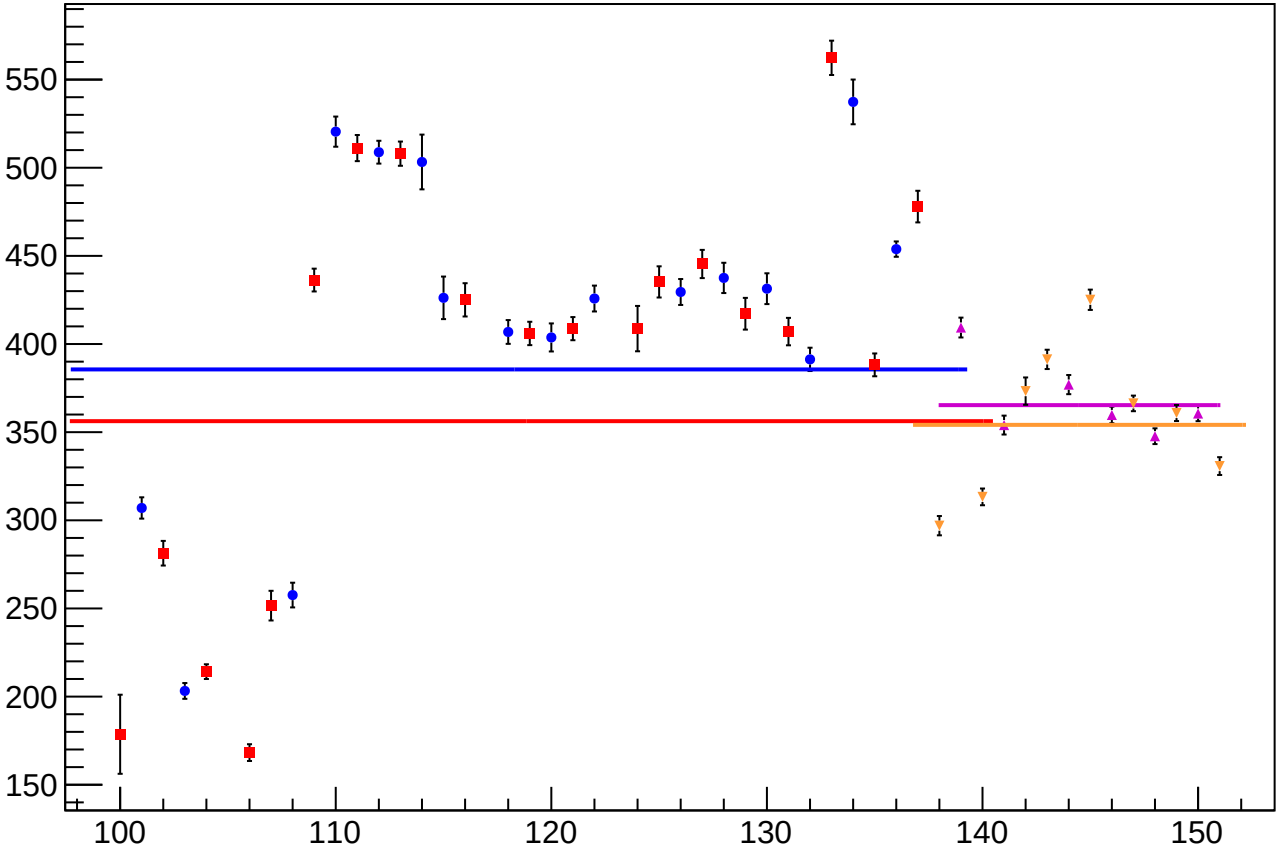
Left In: 19.687+/-1.313 χ^2/NDF:15.3/5

+ sign 15.513+/-0.964 χ^2/NDF: 297.4/23

All: 15.569+/-0.694 χ^2/NDF: 522.7/48

- sign 15.628+/-0.999 χ^2/NDF: 225.4/24

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 385.590+/-1.742 χ^2/NDF: 3373.1/15

Left Out: 354.146+/-1.837 χ^2/NDF:418.4/7

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

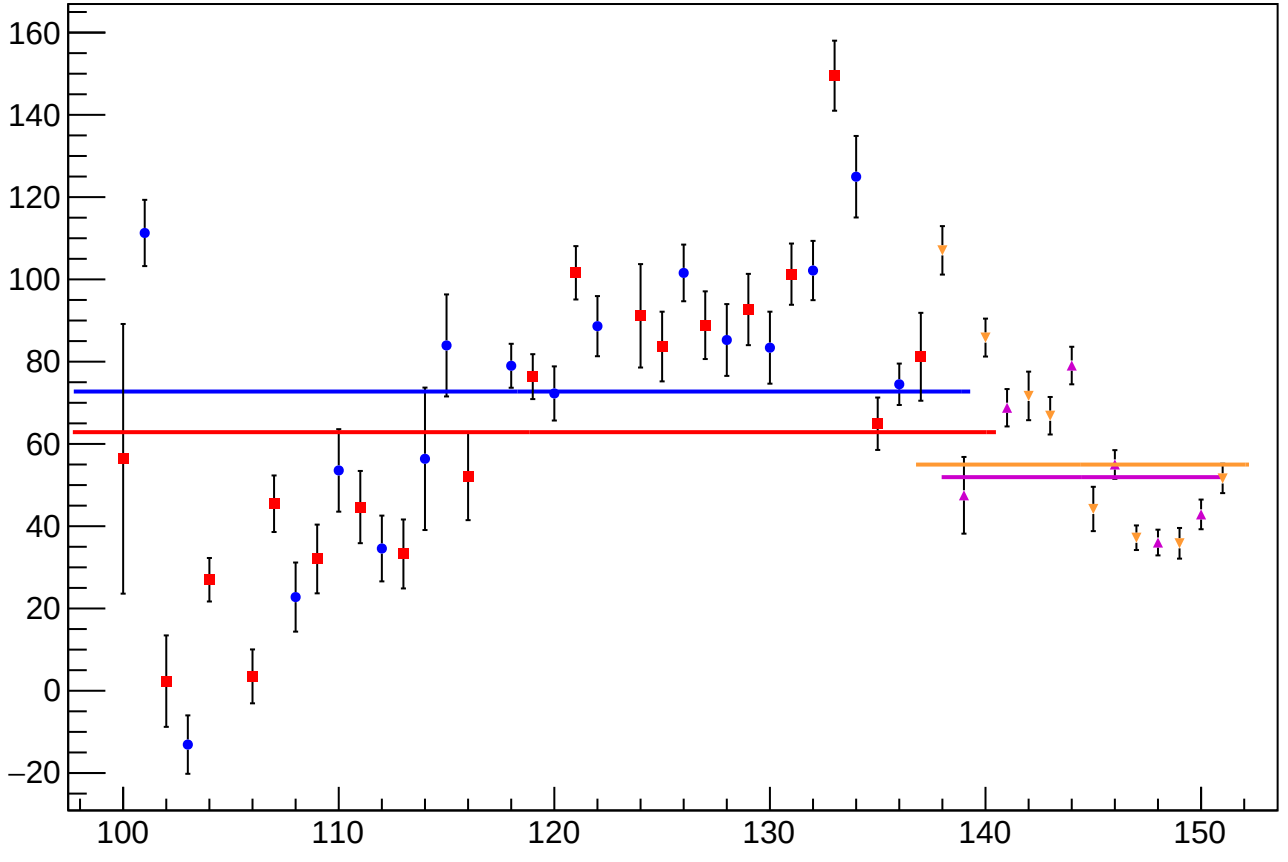
Left In: 365.337+/-2.005 χ^2/NDF:88.4/5

+ sign 370.697+/-1.264 χ^2/NDF: 3945.8/23

All: 365.338+/-0.897 χ^2/NDF: 9352.9/48

- sign 359.907+/-1.272 χ^2/NDF: 5370.9/24

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug



Right In: 72.740+/-1.897 χ^2/NDF: 304.3/15

Left Out: 54.984+/-1.492 χ^2/NDF:204.4/7

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

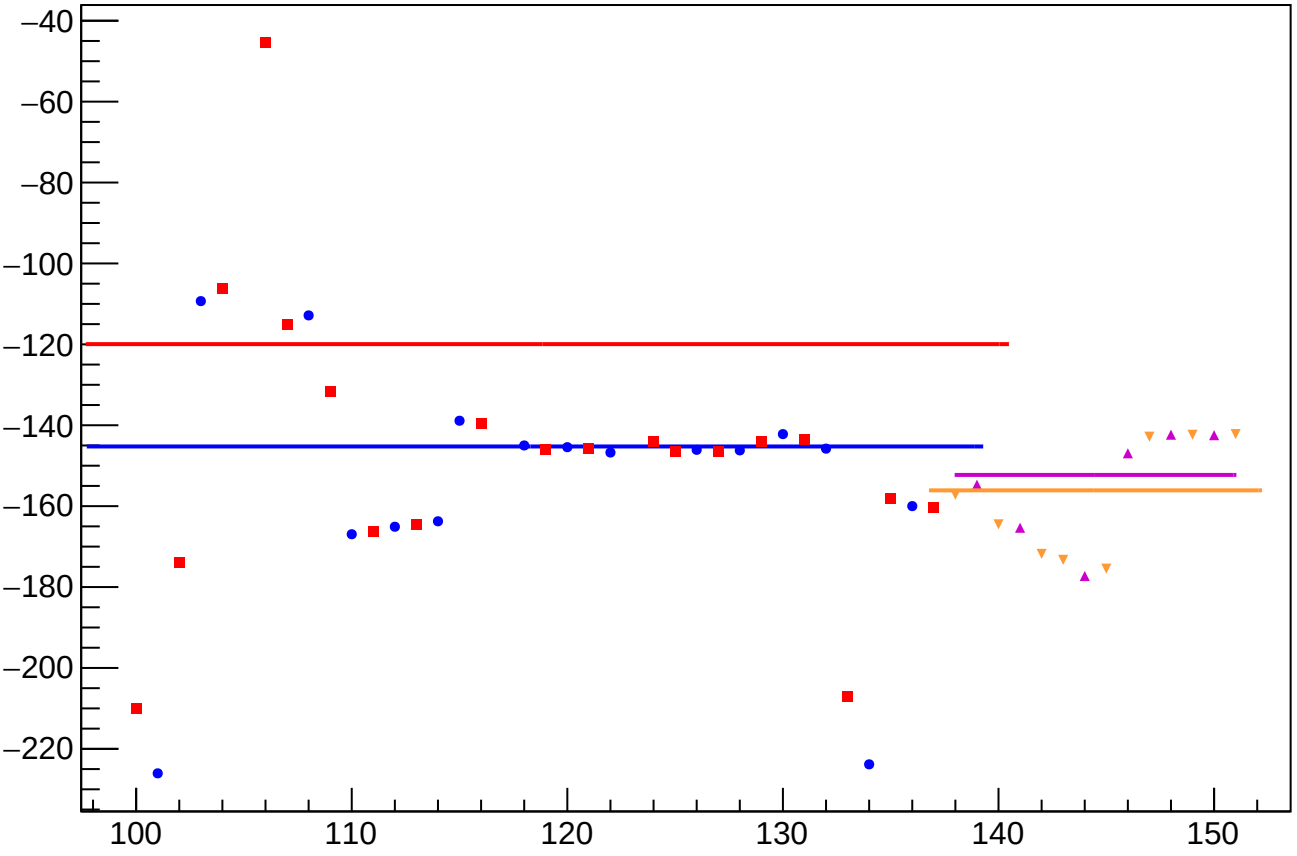
Left In: 51.928+/-1.645 χ^2/NDF:82.3/5

+ sign 61.770+/-1.173 χ^2/NDF: 562.8/23

All: 59.427+/-0.843 χ^2/NDF: 1077.1/48

- sign 56.921+/-1.213 χ^2/NDF: 506.0/24

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -156.097+/-0.077 χ^2/NDF:31394.2/7

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

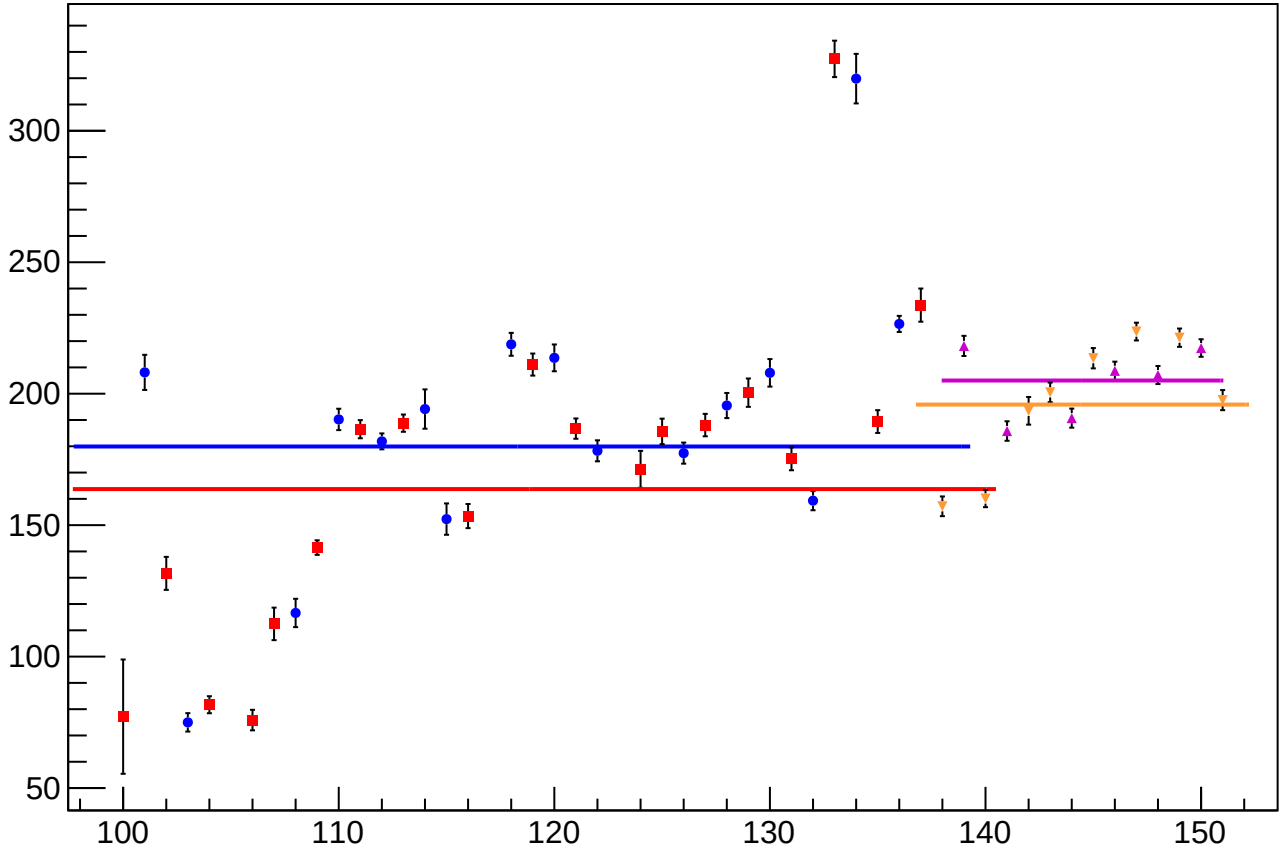
Left In: -152.279+/-0.082 χ^2/NDF:21061.2/5

+ sign -151.980+/-0.061 χ^2/NDF: 171008.1/23

All: -144.685+/-0.043 χ^2/NDF: 562874.6/48

- sign -137.482+/-0.060 χ^2/NDF: 363036.2/24

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 195.861+/-1.315 χ^2/NDF:369.1/7

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

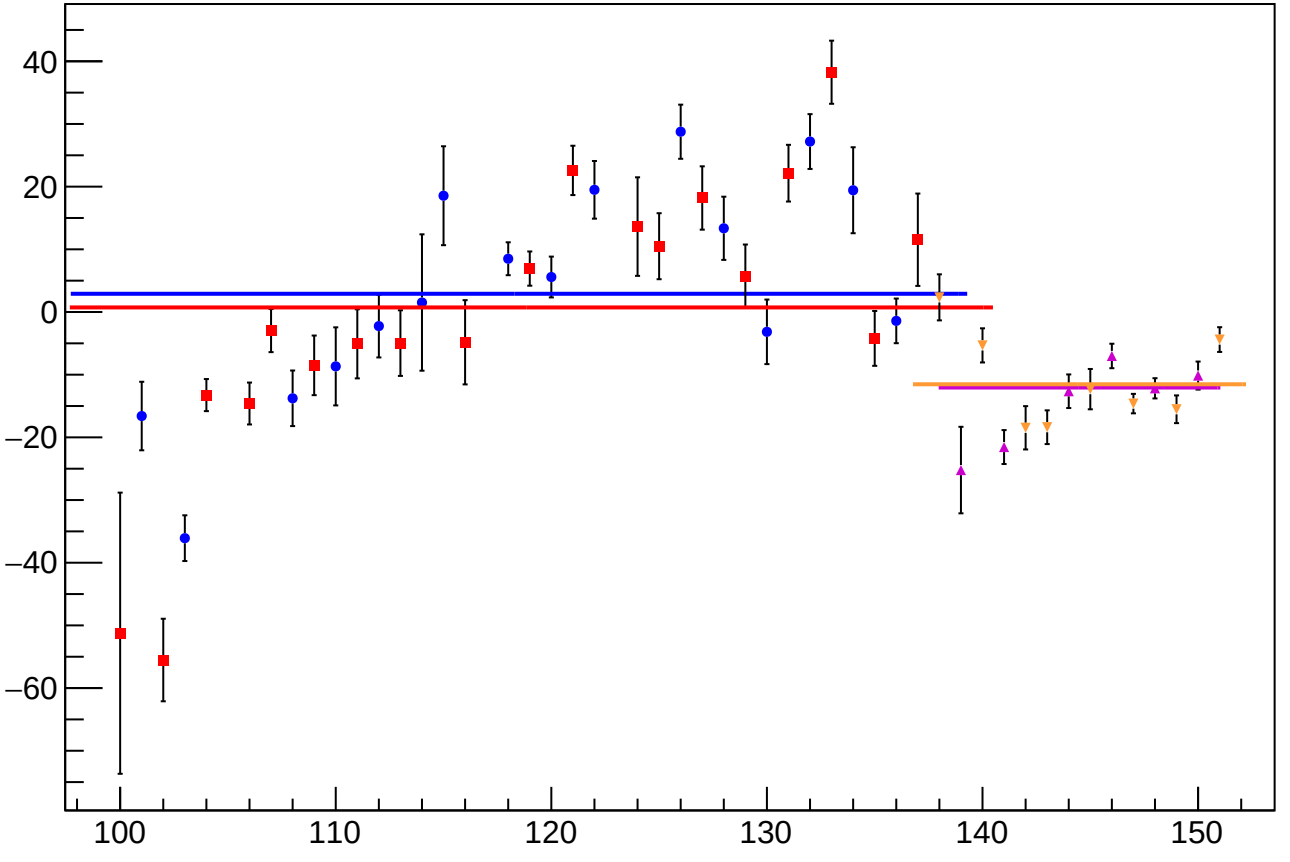
Left In: 205.015+/-1.453 χ^2/NDF:69.4/5

+ sign 186.400+/-0.839 χ^2/NDF: 2189.0/23

All: 181.619+/-0.588 χ^2/NDF: 5286.8/48

- sign 177.001+/-0.824 χ^2/NDF: 3033.9/24

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -11.531+/-0.844 χ^2/NDF:50.3/7

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

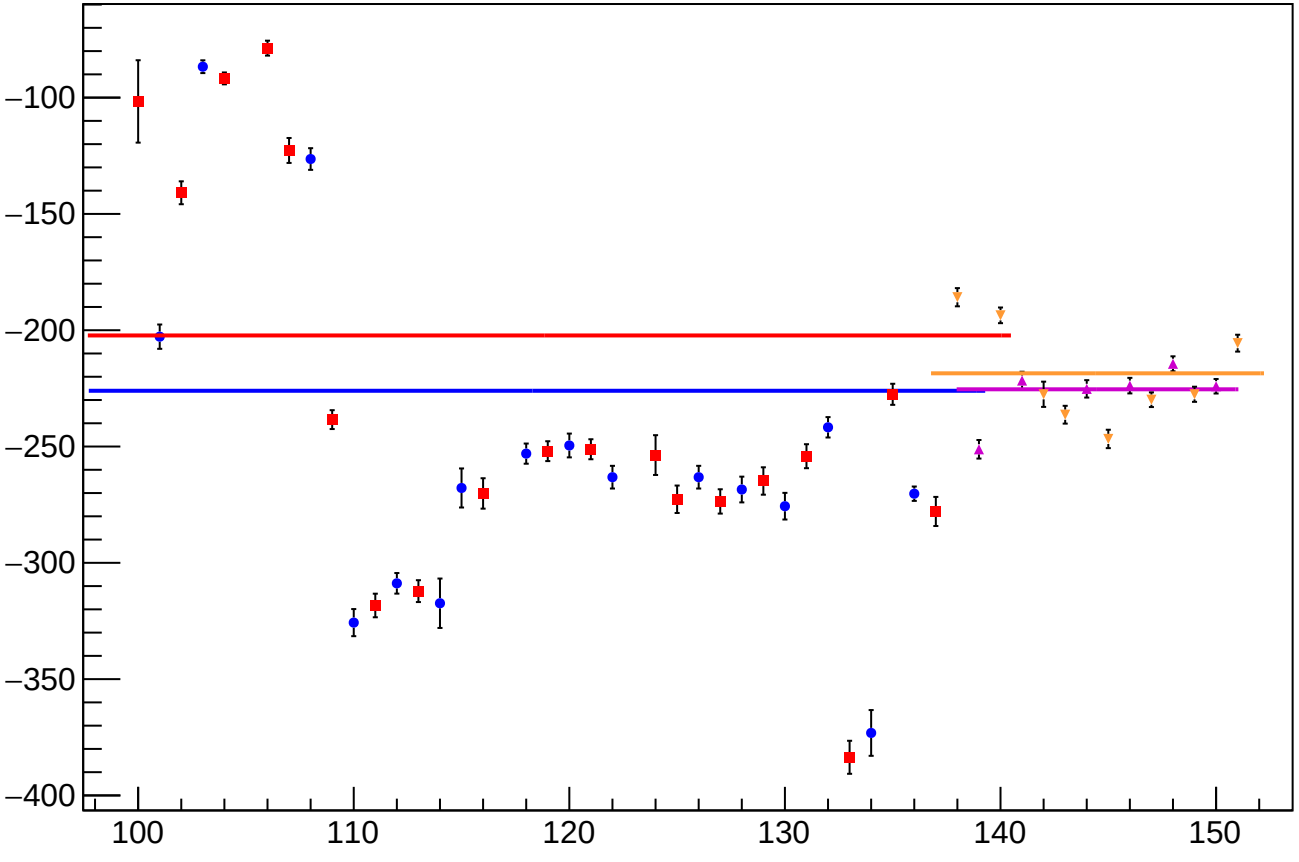
Left In: -12.050+/-0.935 χ^2/NDF:23.4/5

+ sign -6.208+/-0.671 χ^2/NDF: 405.6/23

All: -6.187+/-0.480 χ^2/NDF: 788.6/48

- sign -6.164+/-0.687 χ^2/NDF: 383.0/24

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -218.524+/-1.301 χ^2/NDF:233.3/7

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

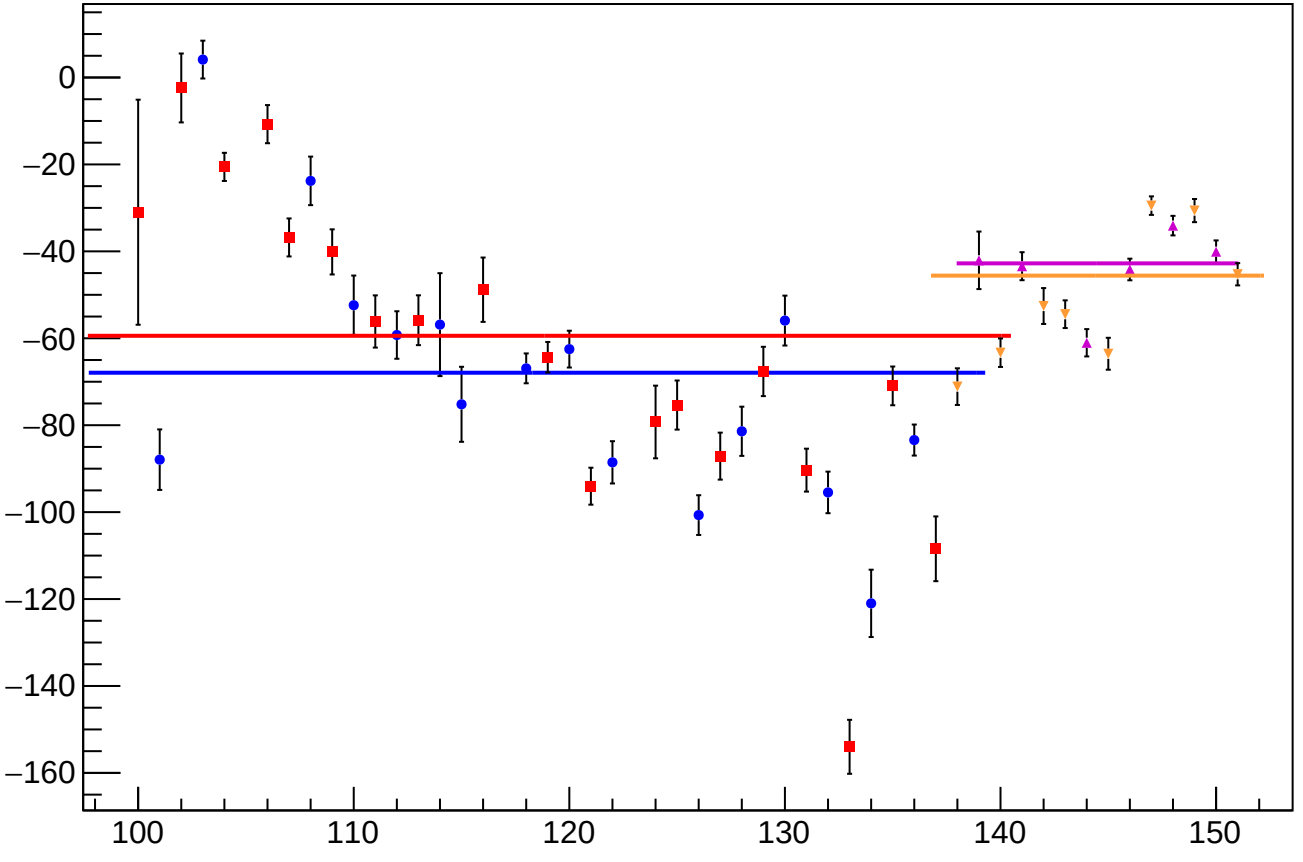
Left In: -225.399+/-1.424 χ^2/NDF:54.8/5

+ sign -222.657+/-0.872 χ^2/NDF: 4790.6/23

All: -216.658+/-0.614 χ^2/NDF: 11796.9/48

- sign -210.768+/-0.864 χ^2/NDF: 6912.5/24

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.927+/-1.278 χ^2/NDF: 534.0/15

Left Out: -45.584+/-1.057 χ^2/NDF:189.3/7

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

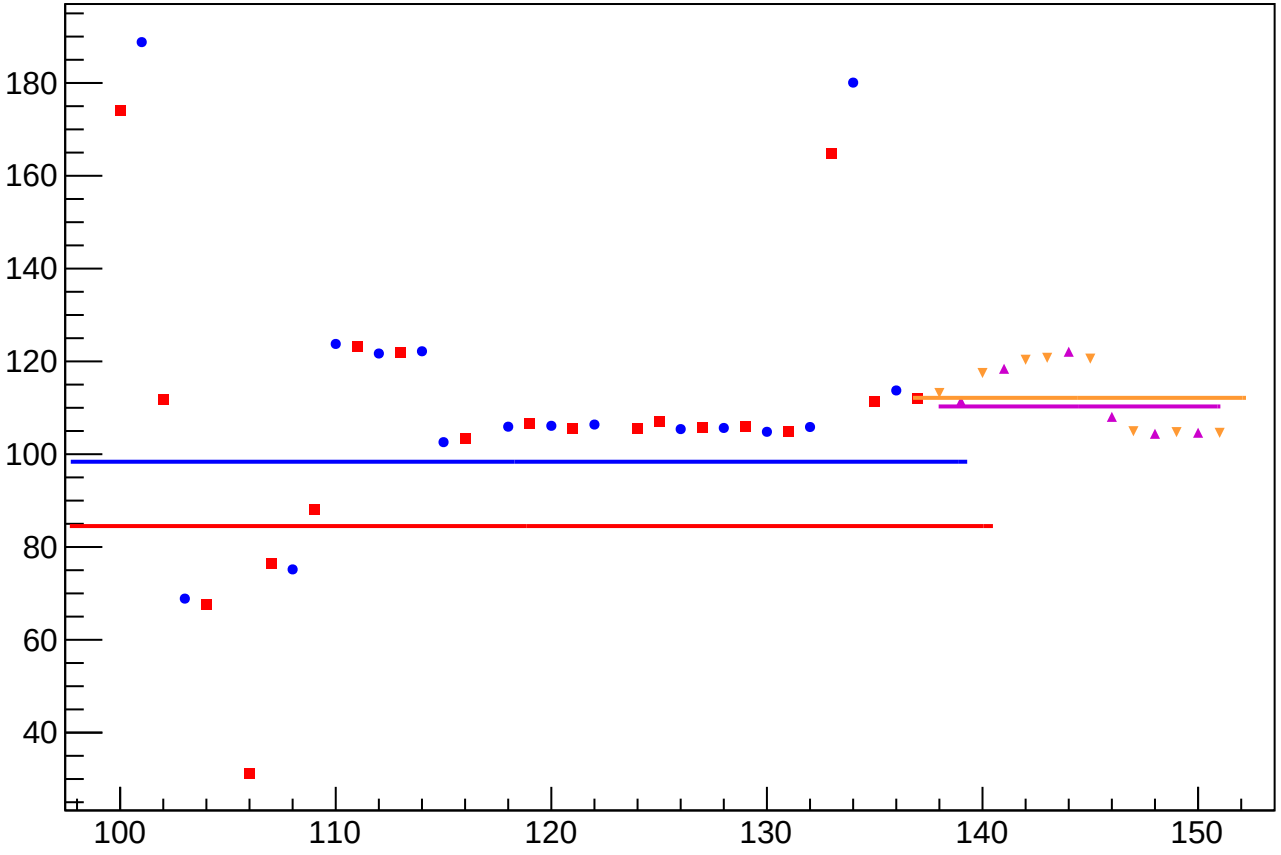
Left In: -42.764+/-1.171 χ^2/NDF:50.2/5

+ sign -54.662+/-0.815 χ^2/NDF: 904.8/23

All: -52.872+/-0.582 χ^2/NDF: 1859.8/48

- sign -51.002+/-0.833 χ^2/NDF: 945.2/24

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 98.377+/-0.066 χ^2/NDF: 228419.7/15

Left Out: 112.146+/-0.054 χ^2/NDF:16792.7/7

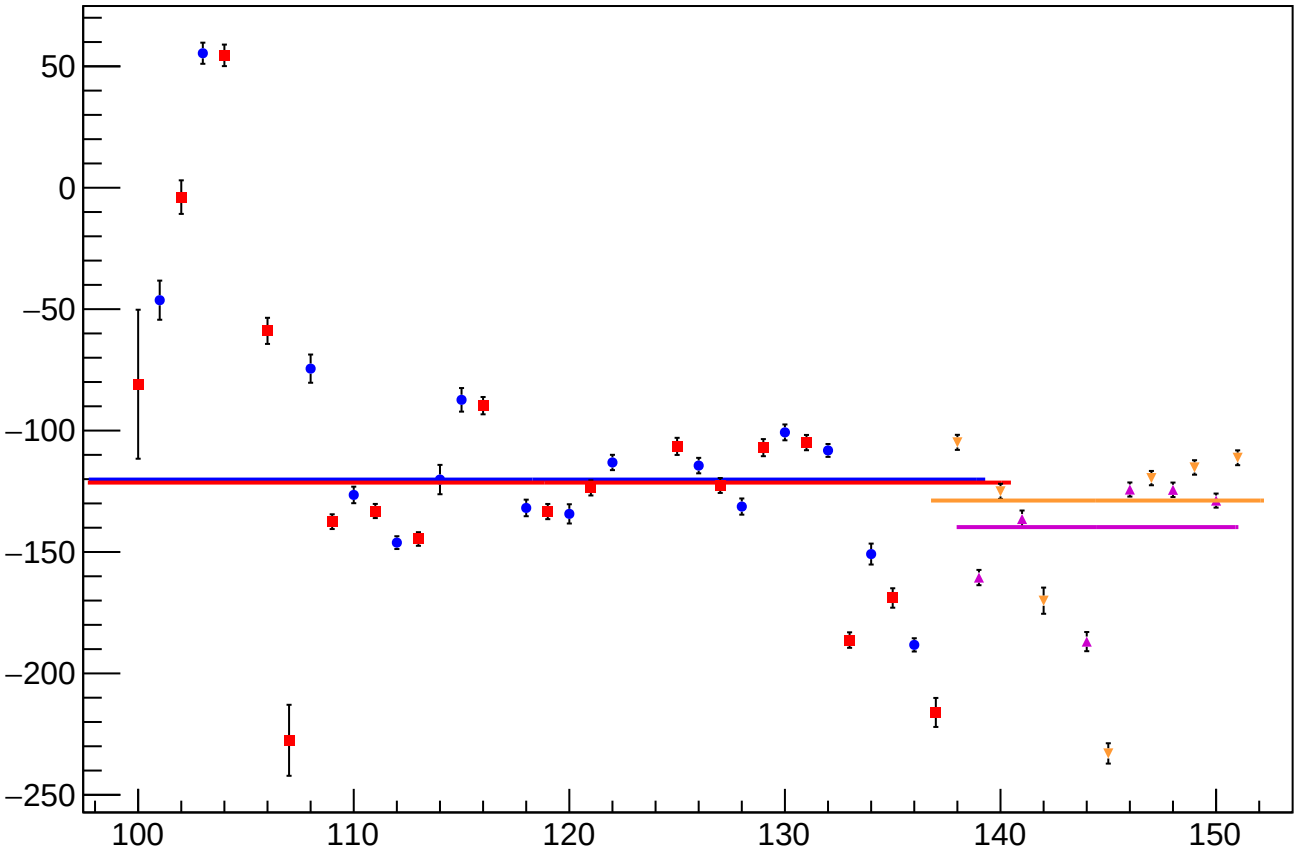
Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

Left In: 110.290+/-0.058 χ^2/NDF:12043.2/5

+ sign 106.574+/-0.042 χ^2/NDF: 271089.4/23

All: 102.254+/-0.030 χ^2/NDF: 667367.8/48

- sign 97.947+/-0.042 χ^2/NDF: 375166.8/24



Right In: -120.177+/-0.891 χ^2/NDF: 2691.2/15

Left Out: -128.809+/-1.257 χ^2/NDF:802.2/6

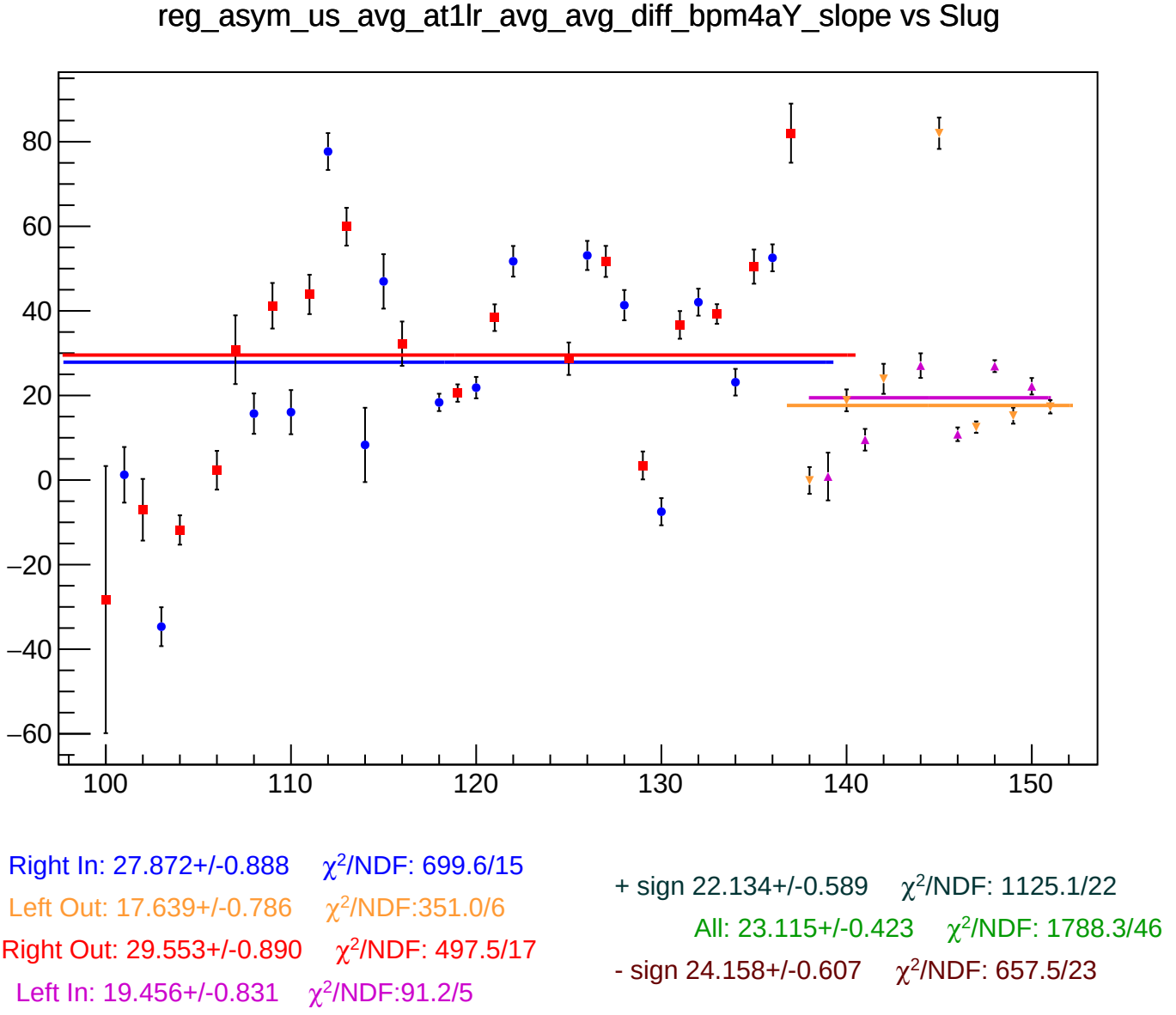
Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

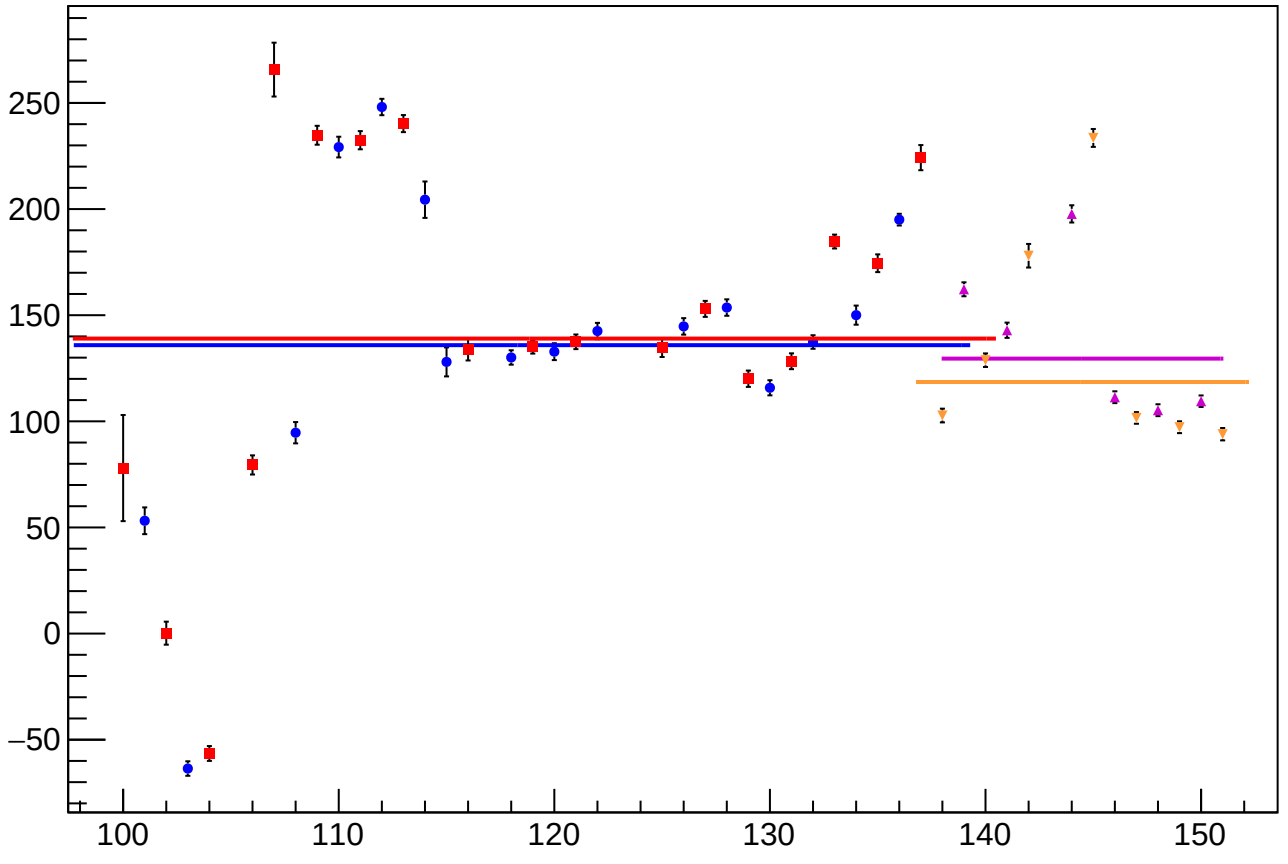
Left In: -139.747+/-1.296 χ^2/NDF:255.8/5

\+ sign -123.062+/-0.727 χ^2/NDF: 3524.8/22

All: -125.115+/-0.513 χ^2/NDF: 7060.3/46

\- sign -127.160+/-0.725 χ^2/NDF: 3519.5/23


reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug
80
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
Right In: 27.872+/-0.888 χ²/NDF: 699.6/15
Left Out: 17.639+/-0.786 χ²/NDF:351.0/6
Right Out: 29.553+/-0.890 χ²/NDF: 497.5/17
Left In: 19.456+/-0.831 χ²/NDF:91.2/5
+ sign 22.134+/-0.589 χ²/NDF: 1125.1/22
All: 23.115+/-0.423 χ²/NDF: 1788.3/46
- sign 24.158+/-0.607 χ²/NDF: 657.5/23



Right In: 135.883+/-0.999 χ^2/NDF: 5463.6/15

Left Out: 118.523+/-1.231 χ^2/NDF:1058.4/6

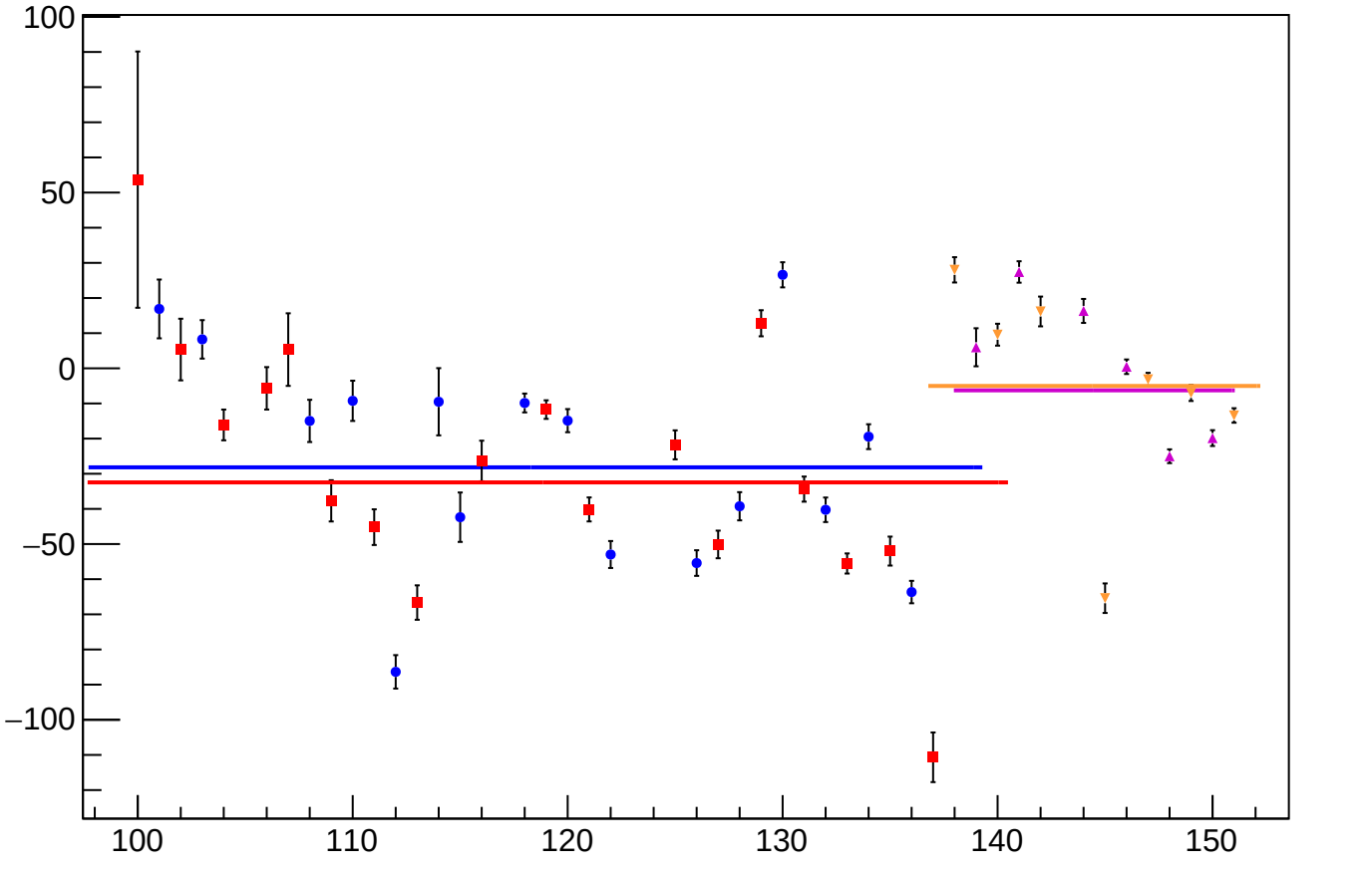
Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 129.545+/-1.266 χ^2/NDF:567.1/5

+ sign 128.992+/-0.775 χ^2/NDF: 6642.1/22

All: 132.144+/-0.551 χ^2/NDF: 13433.3/46

- sign 135.366+/-0.784 χ^2/NDF: 6757.8/23



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: -5.017+/-0.996 χ^2/NDF:356.1/6

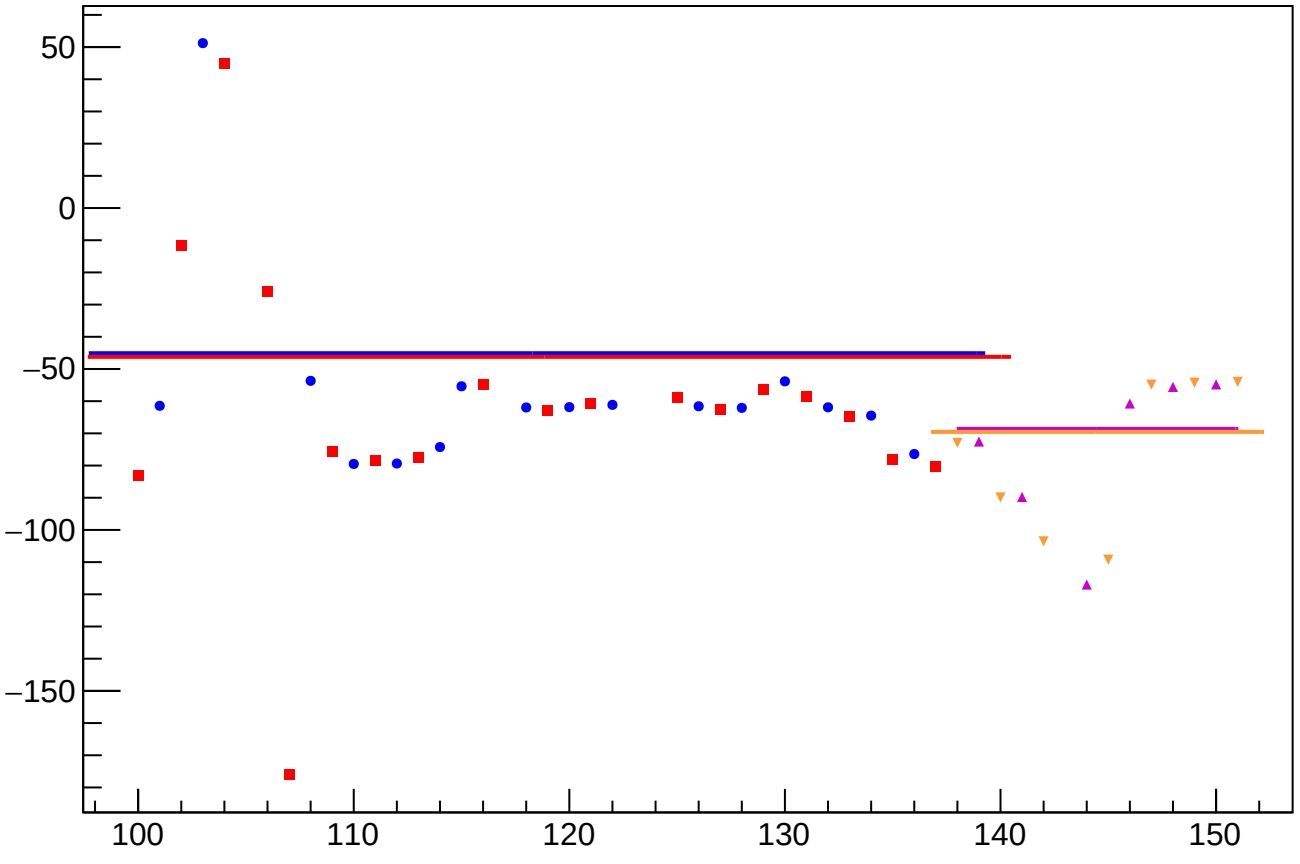
Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: -6.268+/-1.043 χ^2/NDF:309.5/5

+ sign -16.291+/-0.713 χ^2/NDF: 1410.7/22

All: -17.884+/-0.511 χ^2/NDF: 2631.2/46

- sign -19.563+/-0.732 χ^2/NDF: 1210.3/23



Right In: -45.106+/-0.060 χ^2/NDF: 575184.2/15

Left Out: -69.541+/-0.051 χ^2/NDF:150231.1/6

Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

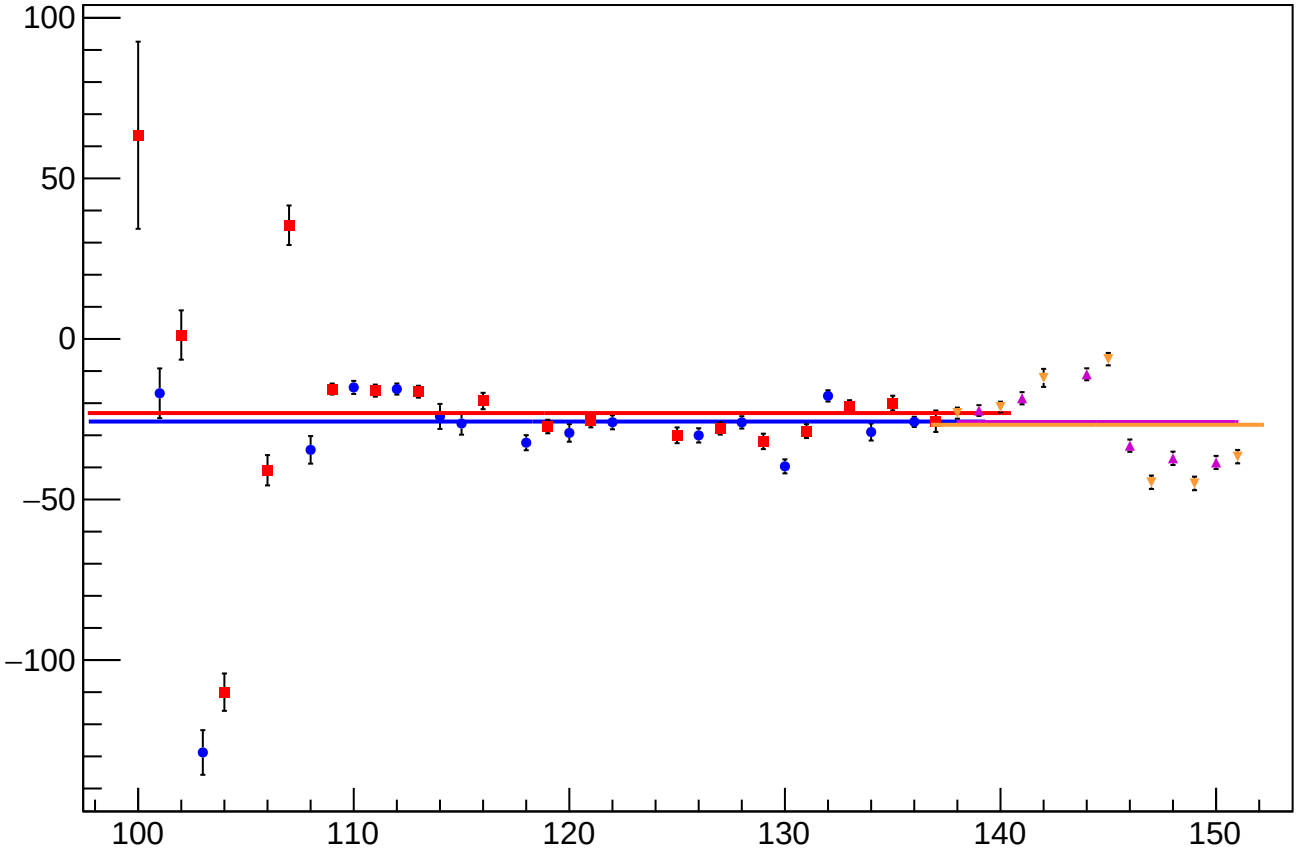
Left In: -68.608+/-0.051 χ^2/NDF:125404.6/5

+ sign -59.280+/-0.039 χ^2/NDF: 821196.0/22

All: -59.451+/-0.028 χ^2/NDF: 1516809.2/46

- sign -59.628+/-0.040 χ^2/NDF: 695574.0/23

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: -25.721+/-0.590 χ^2/NDF: 363.0/15

Left Out: -26.728+/-0.754 χ^2/NDF:323.2/6

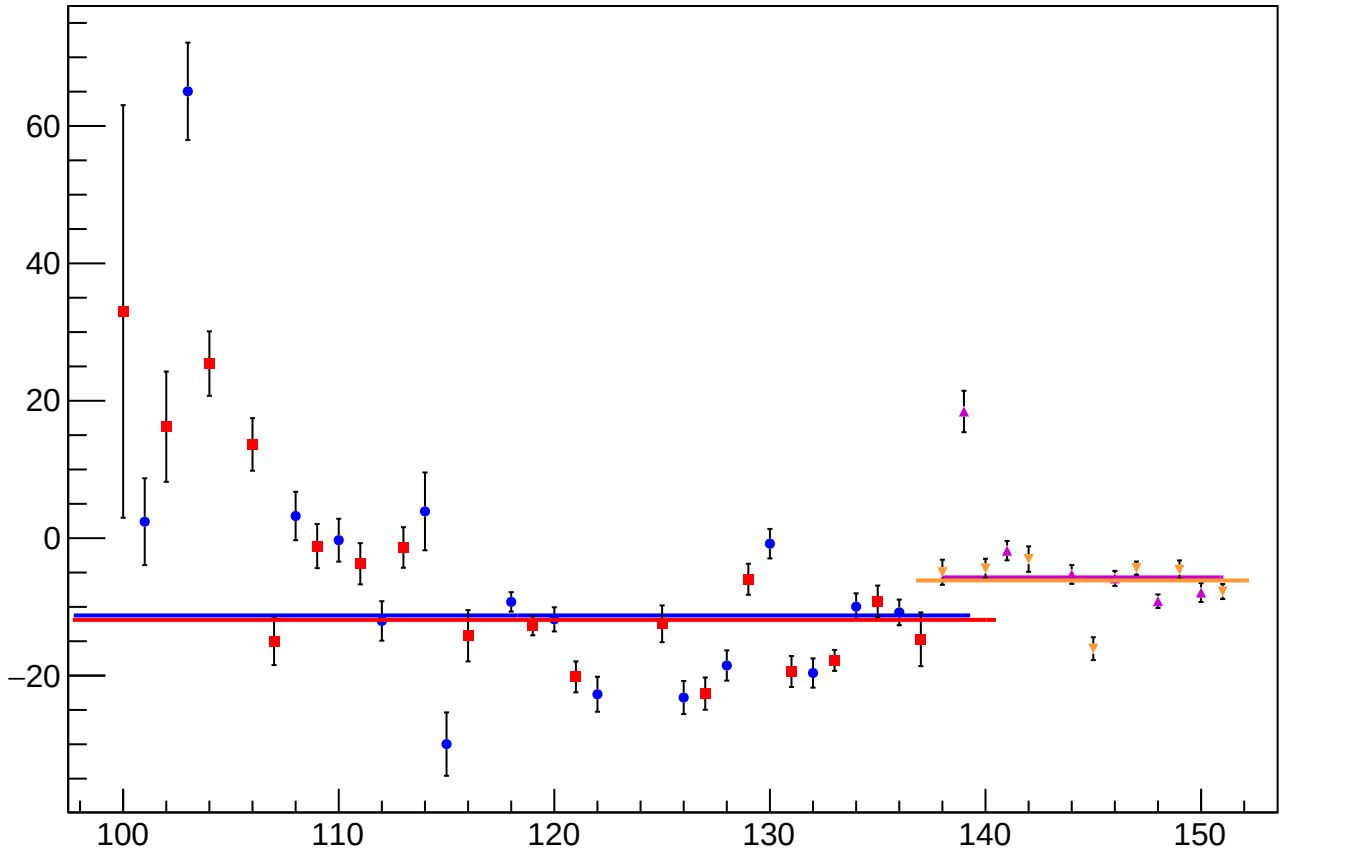
Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -25.877+/-0.775 χ^2/NDF:166.0/5

+ sign -26.104+/-0.465 χ^2/NDF: 687.3/22

All: -25.097+/-0.329 χ^2/NDF: 1308.2/46

- sign -24.088+/-0.465 χ^2/NDF: 611.5/23



Right In: -11.246+/-0.600 χ^2/NDF: 271.1/15

Left Out: -6.157+/-0.505 χ^2/NDF:47.4/6

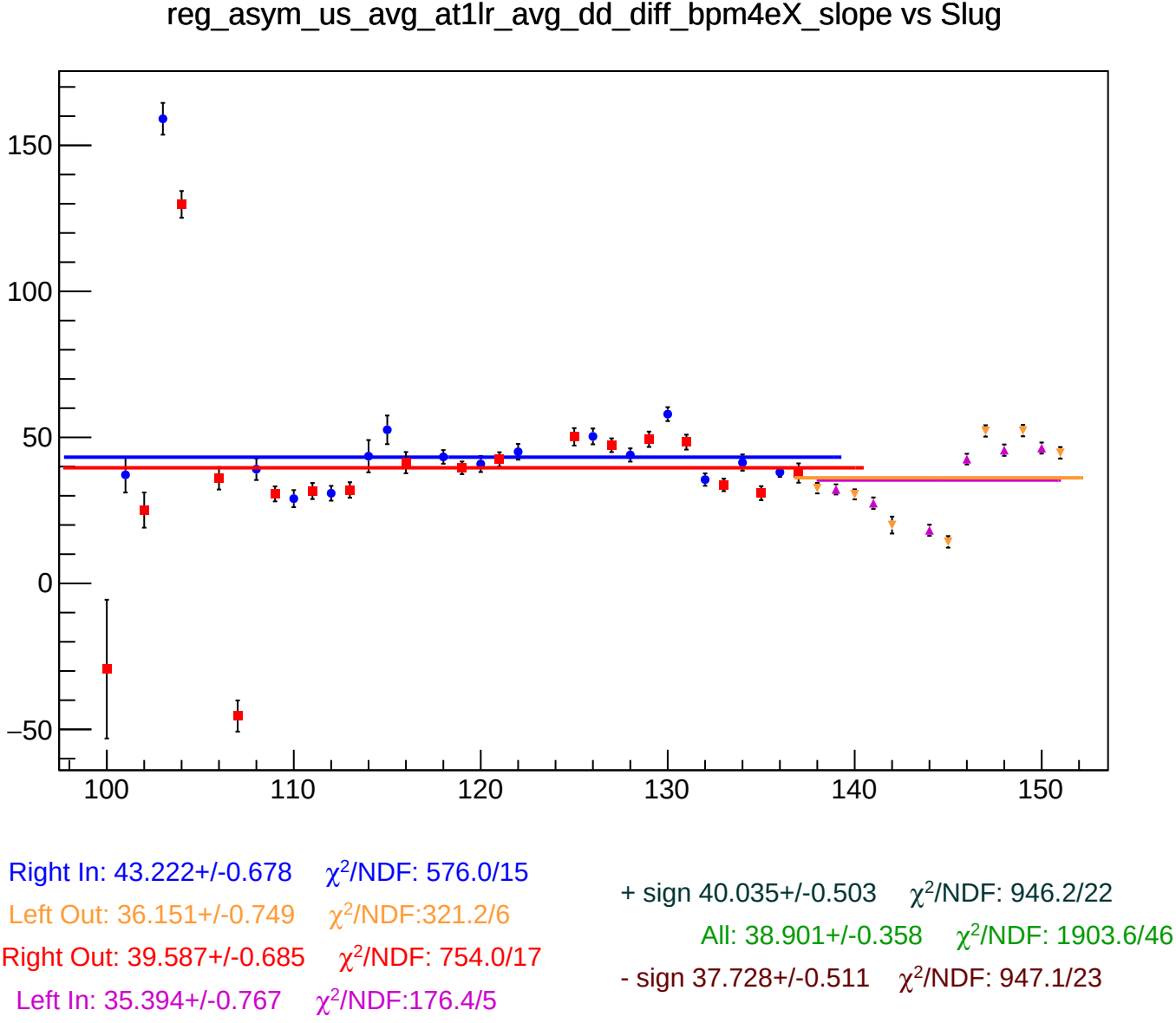
Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

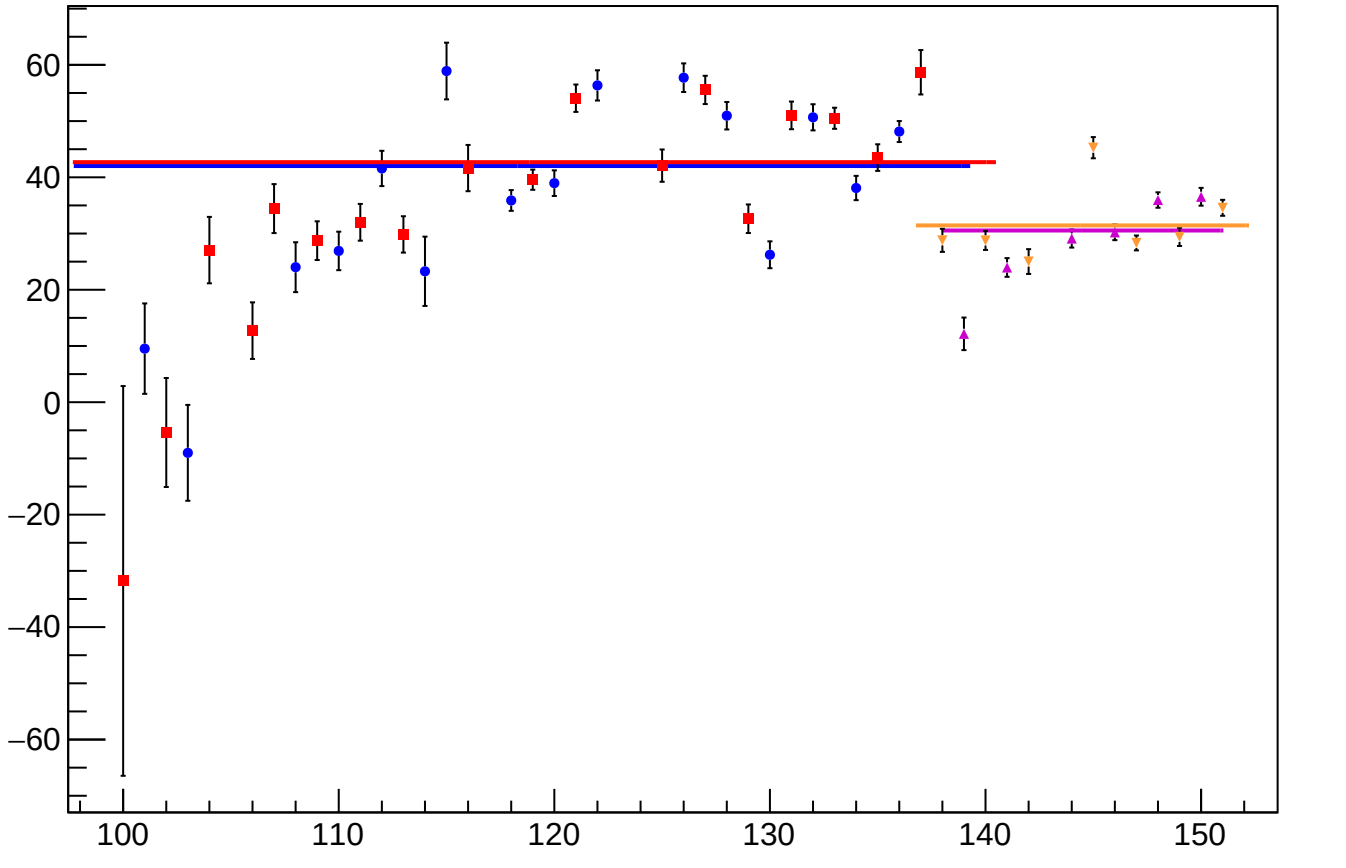
Left In: -5.714+/-0.531 χ^2/NDF:86.8/5

+ sign -8.267+/-0.386 χ^2/NDF: 360.6/22

All: -8.328+/-0.278 χ^2/NDF: 730.5/46

- sign -8.392+/-0.400 χ^2/NDF: 369.9/23


reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug
150
100
50
0
−50
100
110
120
130
140
150
Right In: 43.222+/-0.678 χ²/NDF: 576.0/15
Left Out: 36.151+/-0.749 χ²/NDF:321.2/6
Right Out: 39.587+/-0.685 χ²/NDF: 754.0/17
Left In: 35.394+/-0.767 χ²/NDF:176.4/5
+ sign 40.035+/-0.503 χ²/NDF: 946.2/22
All: 38.901+/-0.358 χ²/NDF: 1903.6/46
- sign 37.728+/-0.511 χ²/NDF: 947.1/23



Right In: 42.006+/-0.684 χ^2/NDF: 272.7/15

Left Out: 31.444+/-0.629 χ^2/NDF:78.5/6

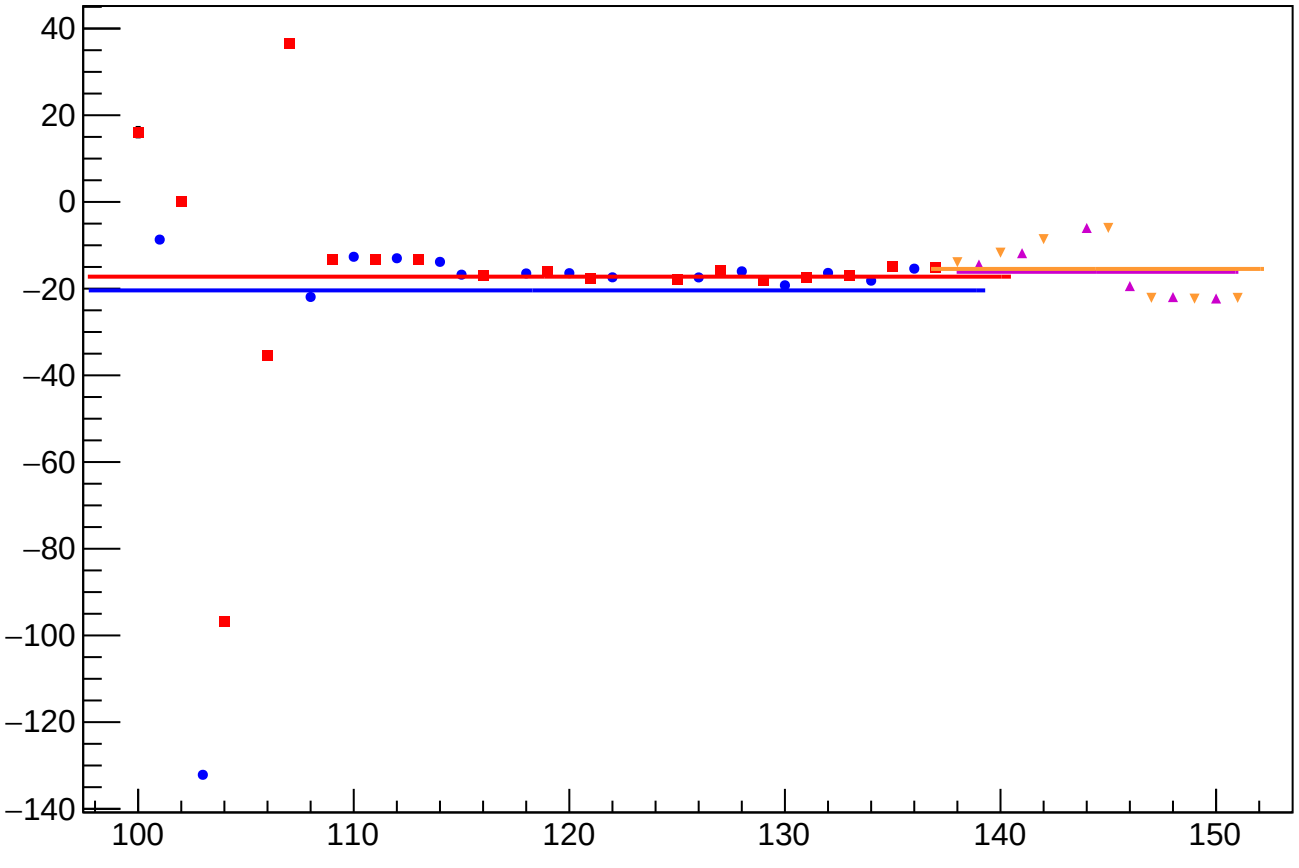
Right Out: 42.696+/-0.695 χ^2/NDF: 230.3/17

Left In: 30.541+/-0.657 χ^2/NDF:86.8/5

\+ sign 36.287+/-0.463 χ^2/NDF: 480.4/22

All: 36.282+/-0.332 χ^2/NDF: 959.2/46

\- sign 36.278+/-0.477 χ^2/NDF: 478.7/23



Right In: -20.405+/-0.042 χ^2/NDF: 245611.9/15

Left Out: -15.452+/-0.031 χ^2/NDF:41024.4/6

Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

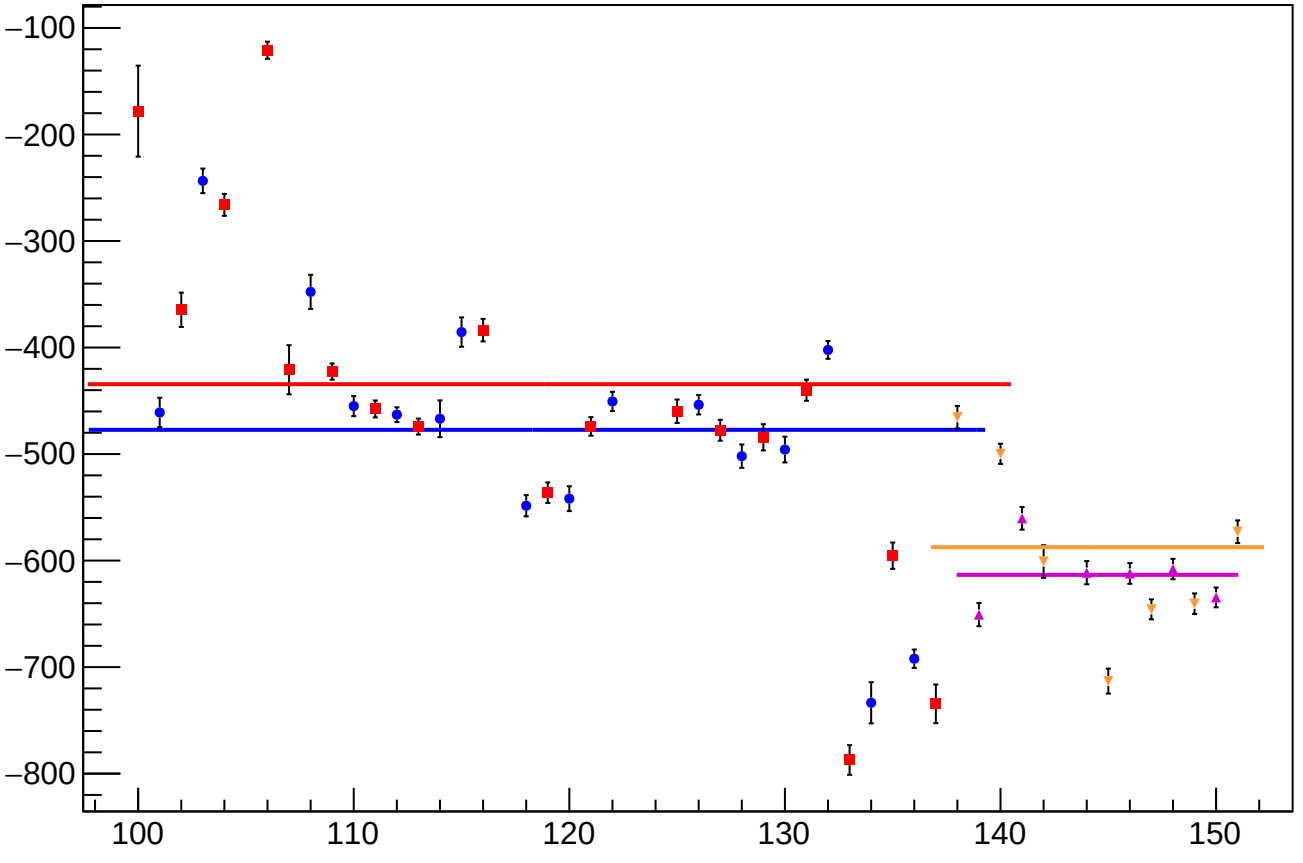
Left In: -16.117+/-0.031 χ^2/NDF:31240.0/5

+ sign -17.197+/-0.025 χ^2/NDF: 295684.3/22

All: -16.849+/-0.018 χ^2/NDF: 532411.2/46

- sign -16.487+/-0.025 χ^2/NDF: 236328.2/23

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: -587.384+/-3.993 χ^2/NDF:407.5/6

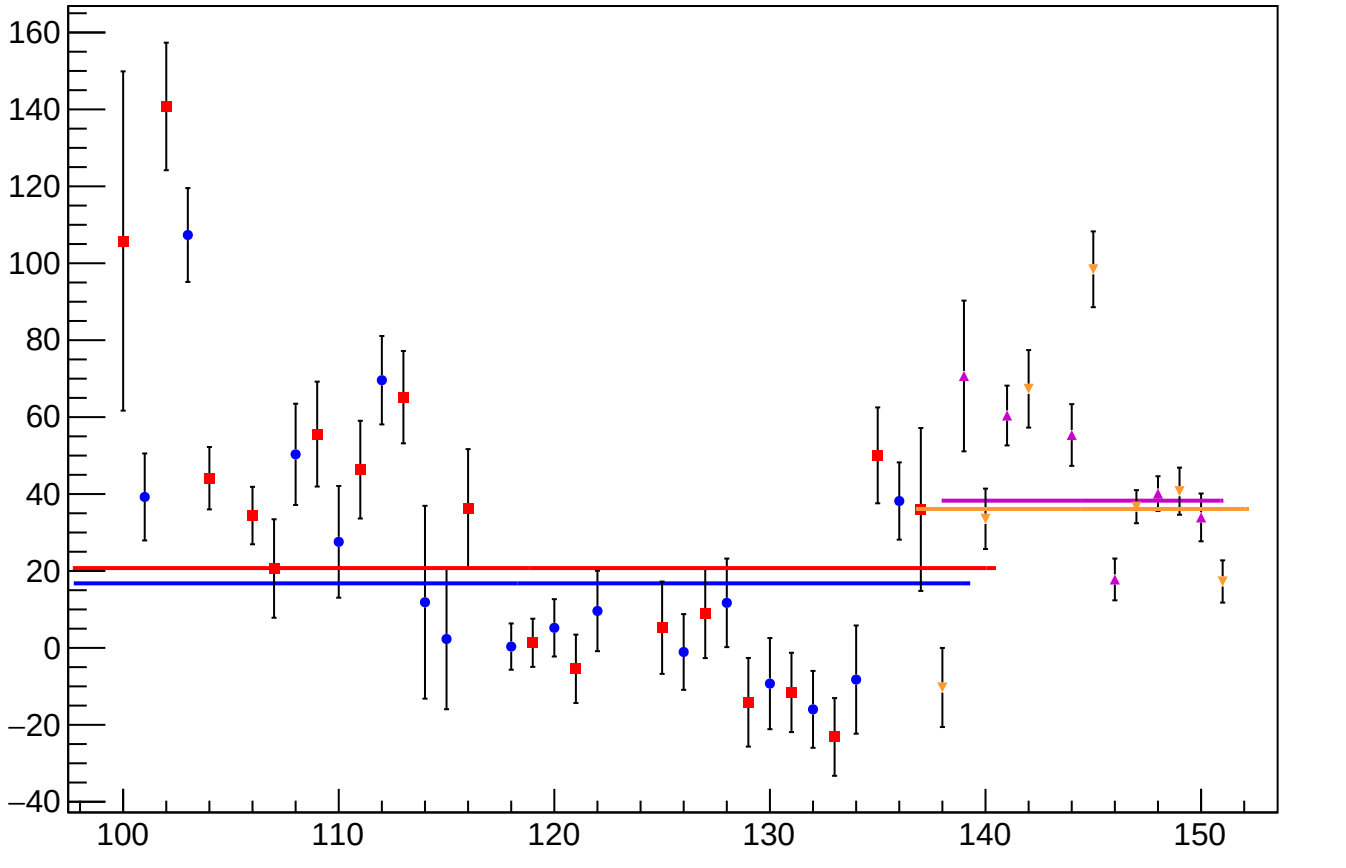
Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

Left In: -613.383+/-4.126 χ^2/NDF:42.2/5

+ sign -510.625+/-2.198 χ^2/NDF: 2448.4/22

All: -495.490+/-1.524 χ^2/NDF: 7130.3/46

- sign -481.475+/-2.115 χ^2/NDF: 4590.6/23



Right In: 16.780+/-2.654 χ^2/NDF: 125.0/15

Left Out: 36.116+/-2.503 χ^2/NDF:82.4/6

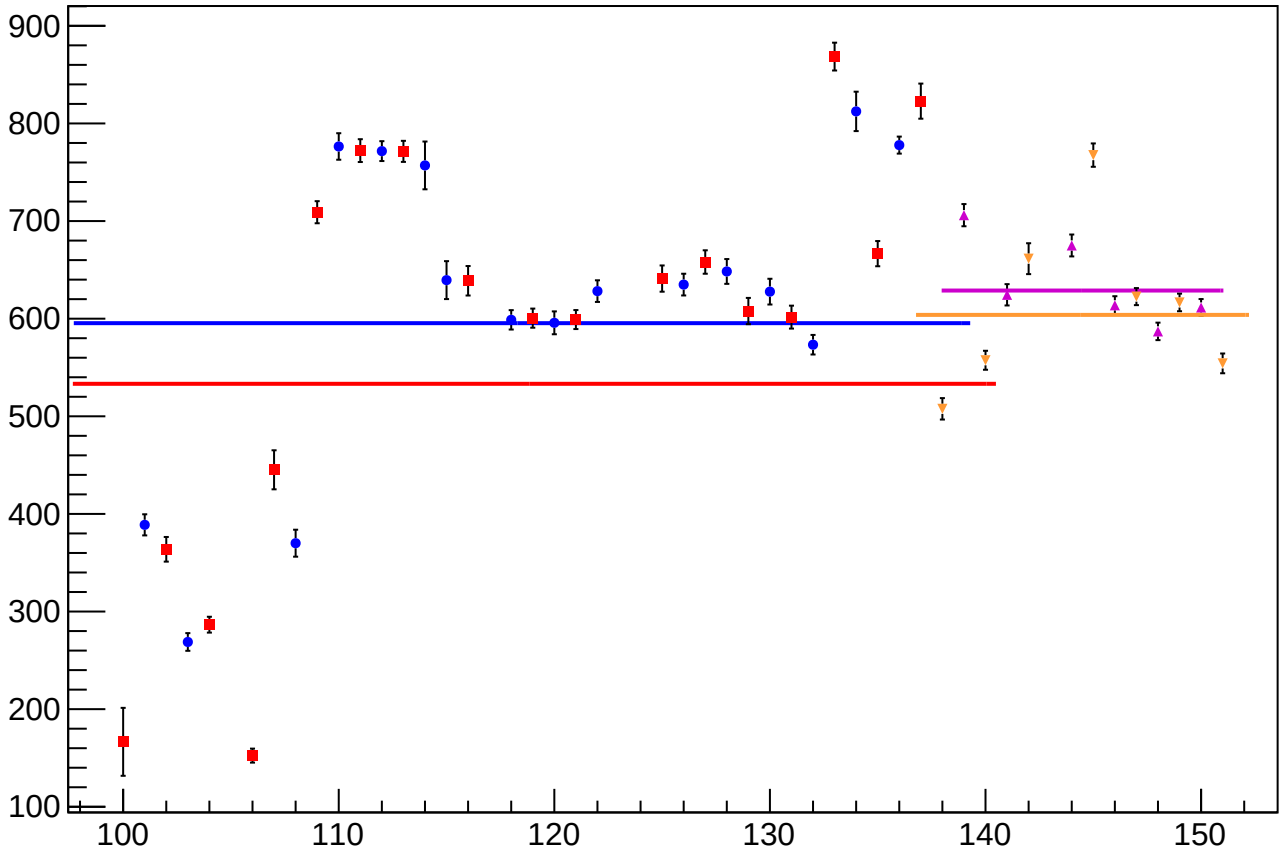
Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

Left In: 38.281+/-2.637 χ^2/NDF:30.2/5

+ sign 27.014+/-1.821 χ^2/NDF: 235.5/22

All: 28.107+/-1.292 χ^2/NDF: 447.3/46

- sign 29.213+/-1.833 χ^2/NDF: 211.0/23



Right In: 595.406+/-2.930 χ^2/NDF: 3059.7/15

Left Out: 603.884+/-3.921 χ^2/NDF:330.9/6

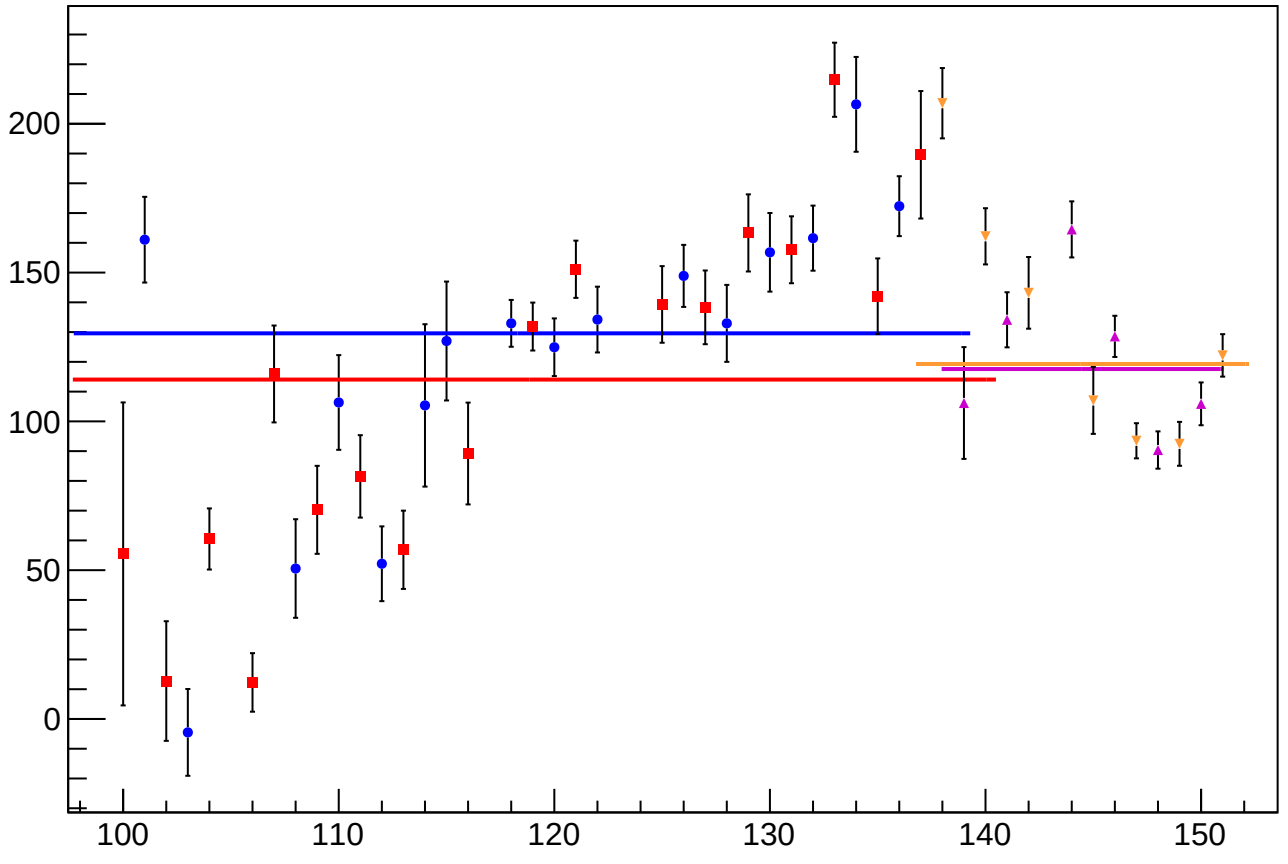
Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 628.834+/-4.036 χ^2/NDF:91.8/5

+ sign 598.443+/-2.347 χ^2/NDF: 3393.6/22

All: 580.400+/-1.632 χ^2/NDF: 10485.7/46

- sign 563.515+/-2.270 χ^2/NDF: 6977.7/23



Right In: 129.586+/-3.081 χ^2/NDF: 211.2/15

Left Out: 119.289+/-3.164 χ^2/NDF:113.3/6

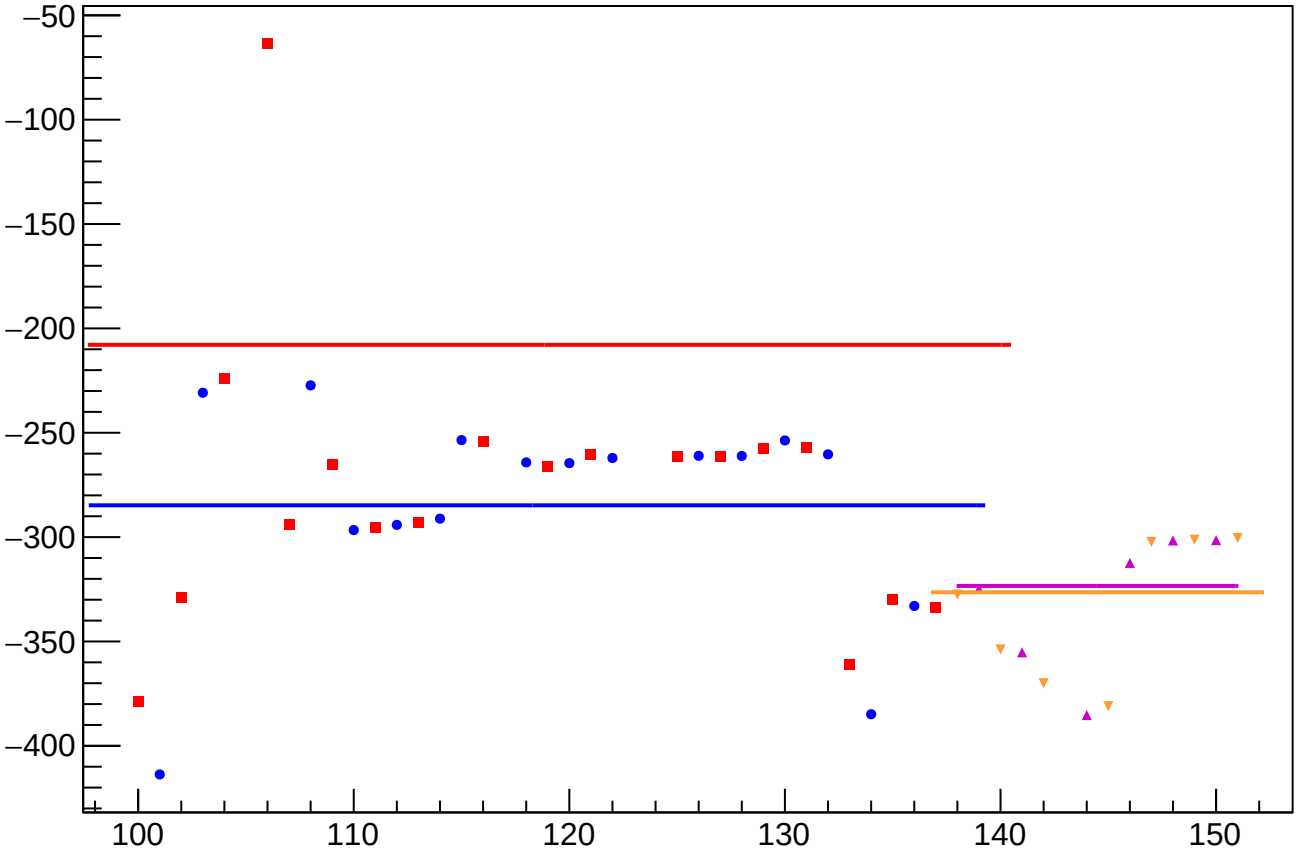
Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 117.589+/-3.307 χ^2/NDF:52.4/5

+ sign 124.575+/-2.207 χ^2/NDF: 329.9/22

All: 120.114+/-1.563 χ^2/NDF: 727.1/46

- sign 115.632+/-2.212 χ^2/NDF: 388.9/23



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -326.441+/-0.164 χ^2/NDF:34212.7/6

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

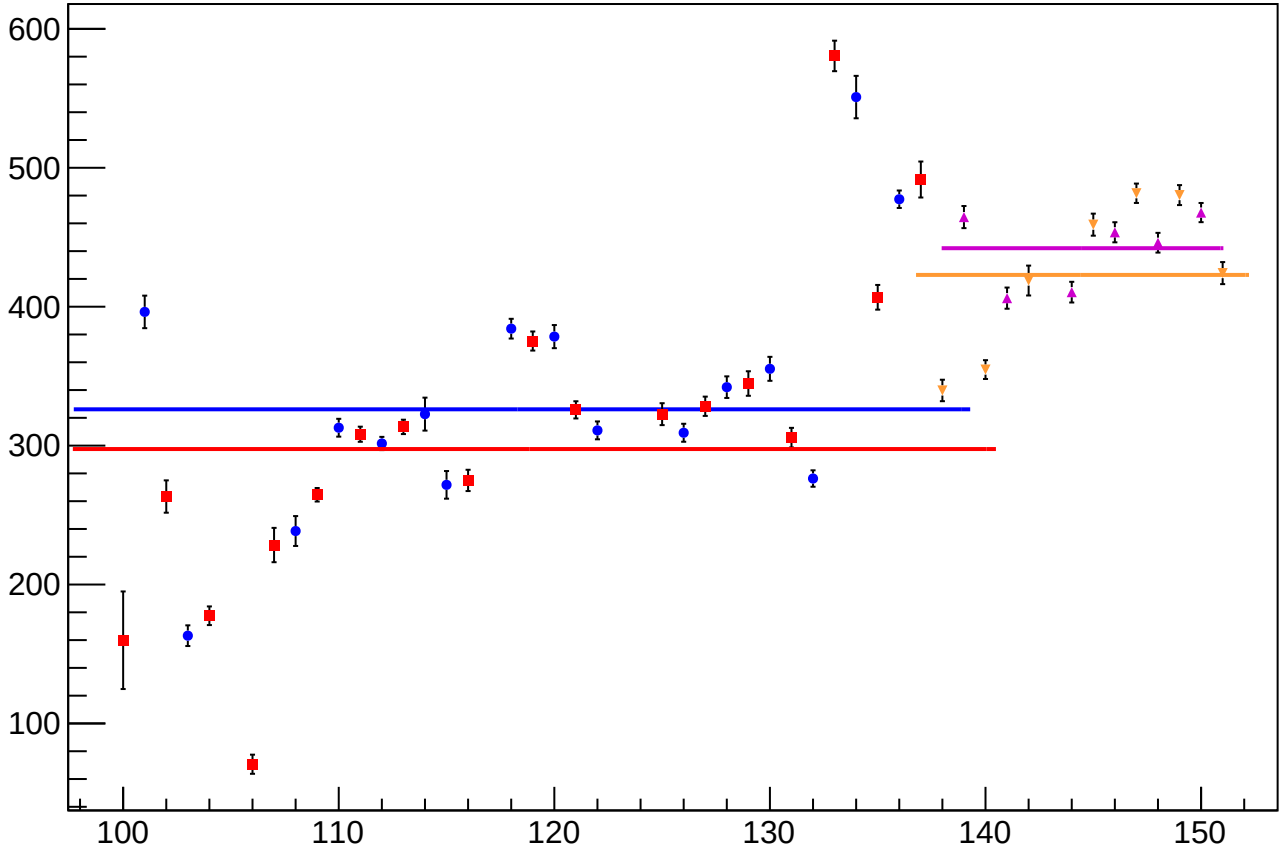
Left In: -323.392+/-0.165 χ^2/NDF:28456.1/5

+ sign -307.210+/-0.121 χ^2/NDF: 168256.3/22

All: -281.445+/-0.081 χ^2/NDF: 1088381.9/46

- sign -259.868+/-0.110 χ^2/NDF: 836272.4/23

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: 422.880+/-2.900 χ^2/NDF:373.2/6

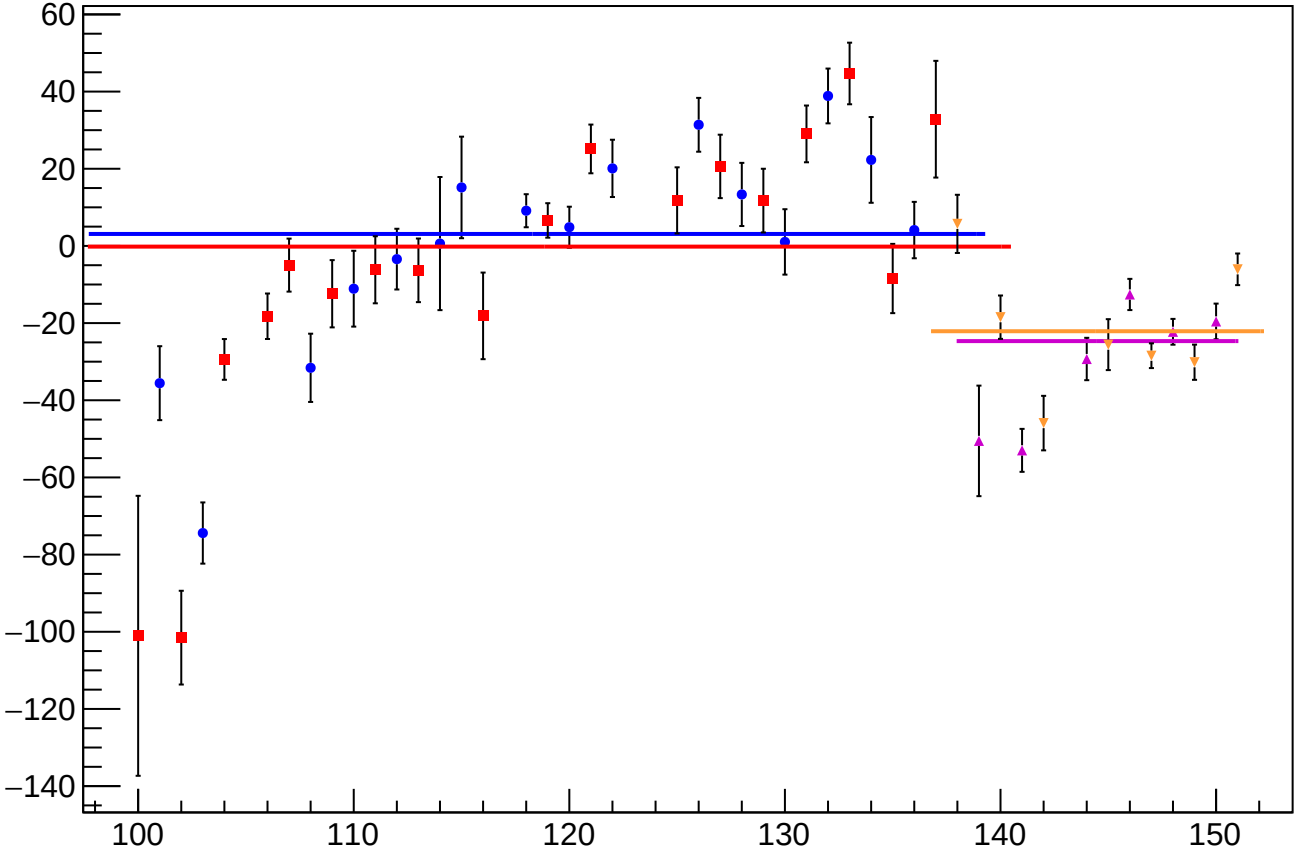
Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 442.111+/-3.001 χ^2/NDF:64.9/5

+ sign 354.260+/-1.564 χ^2/NDF: 2805.4/22

All: 343.583+/-1.083 χ^2/NDF: 7474.5/46

- sign 333.735+/-1.502 χ^2/NDF: 4579.5/23



Right In: 3.101+/-1.892 χ^2/NDF: 184.5/15

Left Out: -22.109+/-1.834 χ^2/NDF:48.0/6

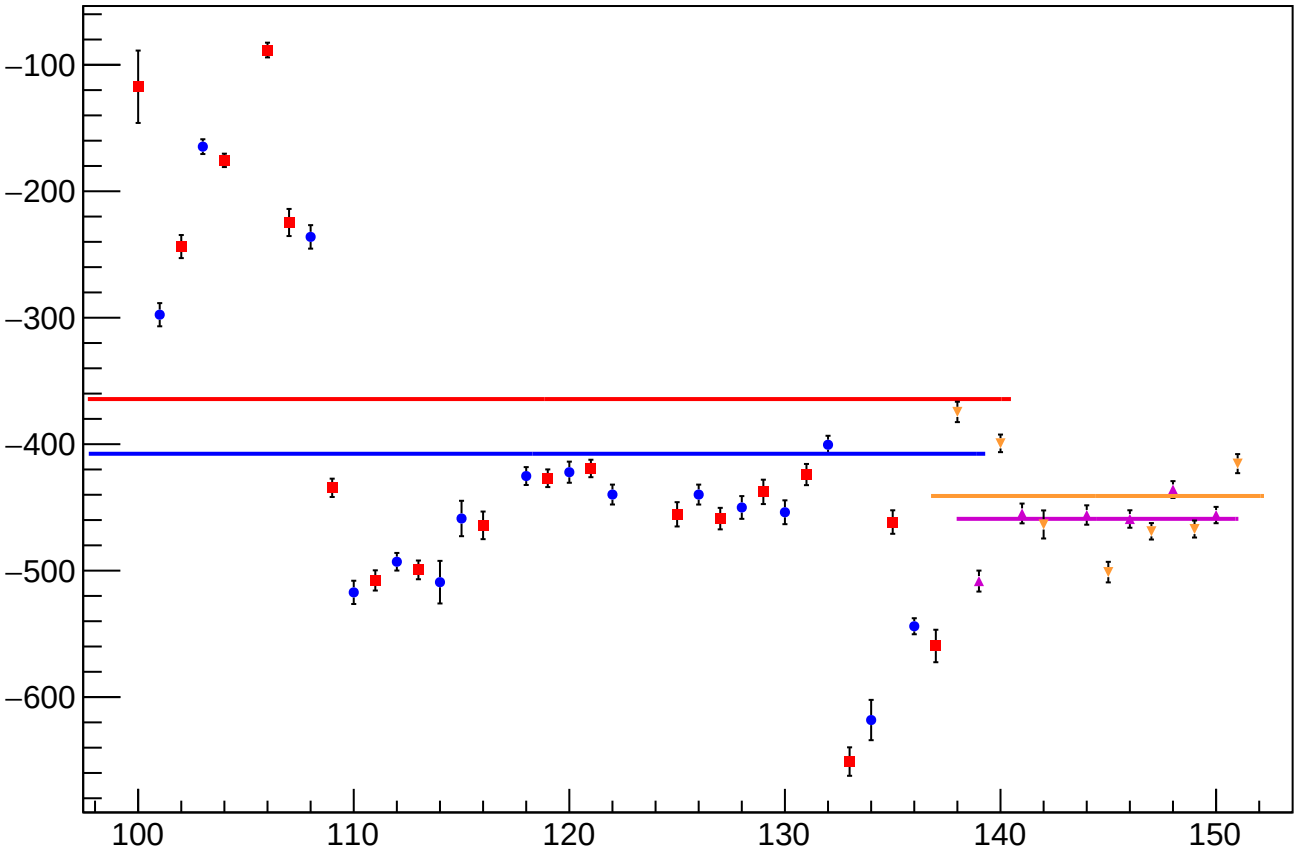
Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -24.667+/-1.932 χ^2/NDF:40.5/5

+ sign -9.897+/-1.317 χ^2/NDF: 324.1/22

All: -10.699+/-0.930 χ^2/NDF: 656.9/46

- sign -11.497+/-1.314 χ^2/NDF: 332.1/23



Right In: -407.575+/-2.074 χ^2/NDF: 3280.5/15

Left Out: -440.962+/-2.855 χ^2/NDF:207.8/6

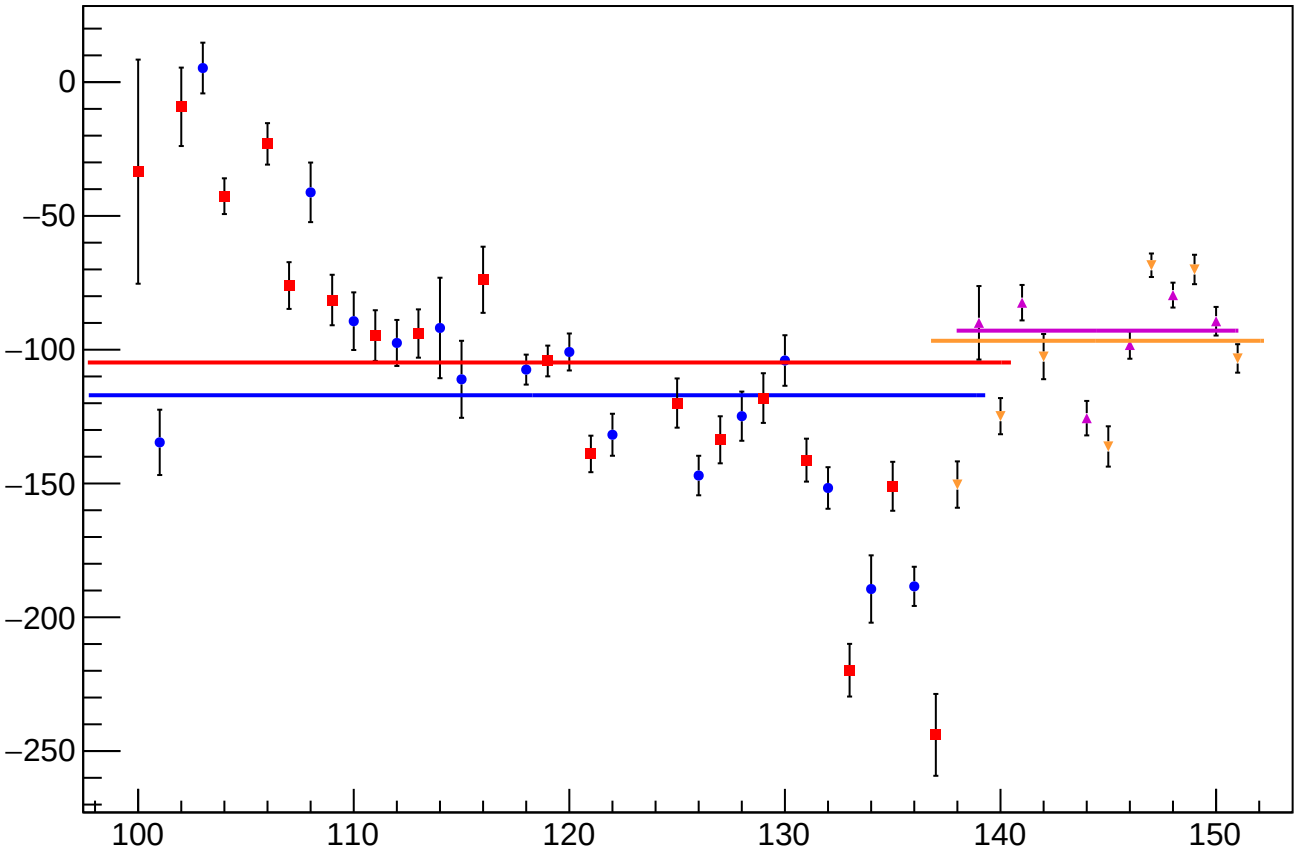
Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -459.043+/-2.942 χ^2/NDF:48.1/5

+ sign -419.106+/-1.678 χ^2/NDF: 3577.9/22

All: -405.642+/-1.166 χ^2/NDF: 10692.6/46

- sign -393.073+/-1.621 χ^2/NDF: 6990.3/23



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -96.668+/-2.312 χ^2/NDF:150.0/6

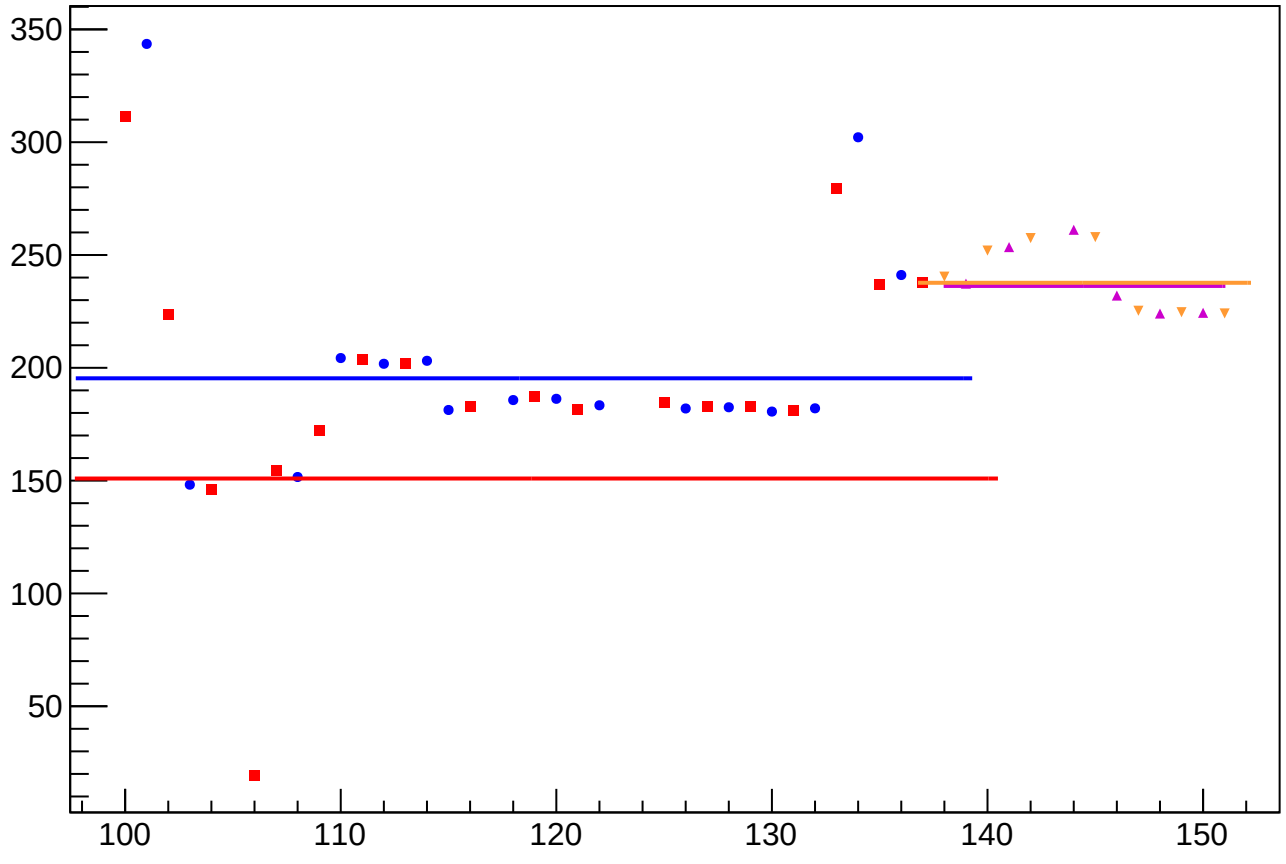
Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -92.880+/-2.418 χ^2/NDF:38.0/5

+ sign -107.377+/-1.592 χ^2/NDF: 598.6/22

All: -103.508+/-1.122 χ^2/NDF: 1237.3/46

- sign -99.689+/-1.581 χ^2/NDF: 626.9/23



Right In: 195.351+/-0.125 χ^2/NDF: 176975.5/15

Left Out: 237.687+/-0.120 χ^2/NDF:14036.7/6

Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

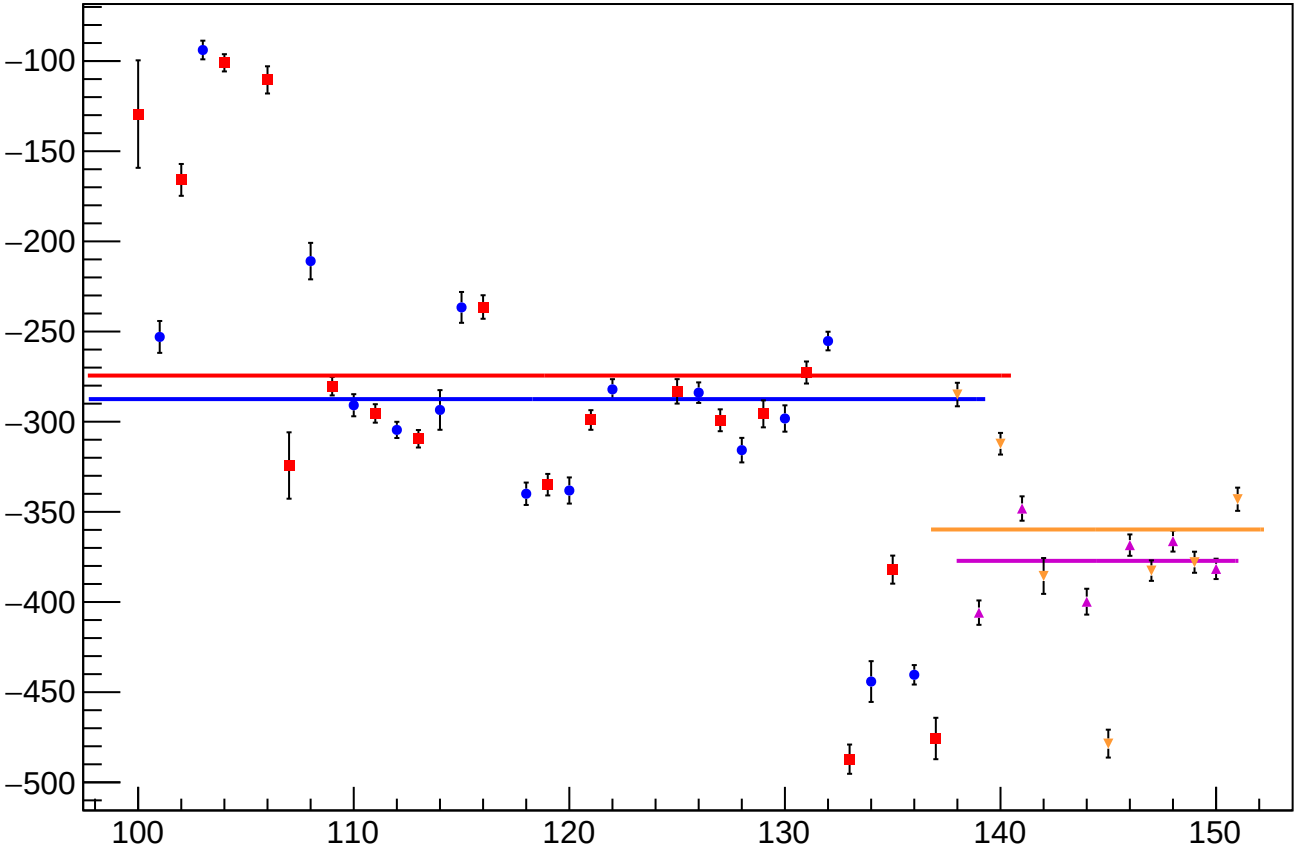
Left In: 236.288+/-0.120 χ^2/NDF:12504.3/5

+ sign 217.391+/-0.086 χ^2/NDF: 251086.0/22

All: 202.827+/-0.059 χ^2/NDF: 1090819.9/46

- sign 189.935+/-0.081 χ^2/NDF: 786030.6/23

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -287.476+/-1.611 χ^2/NDF: 2696.5/15

Left Out: -359.781+/-2.482 χ^2/NDF:469.2/6

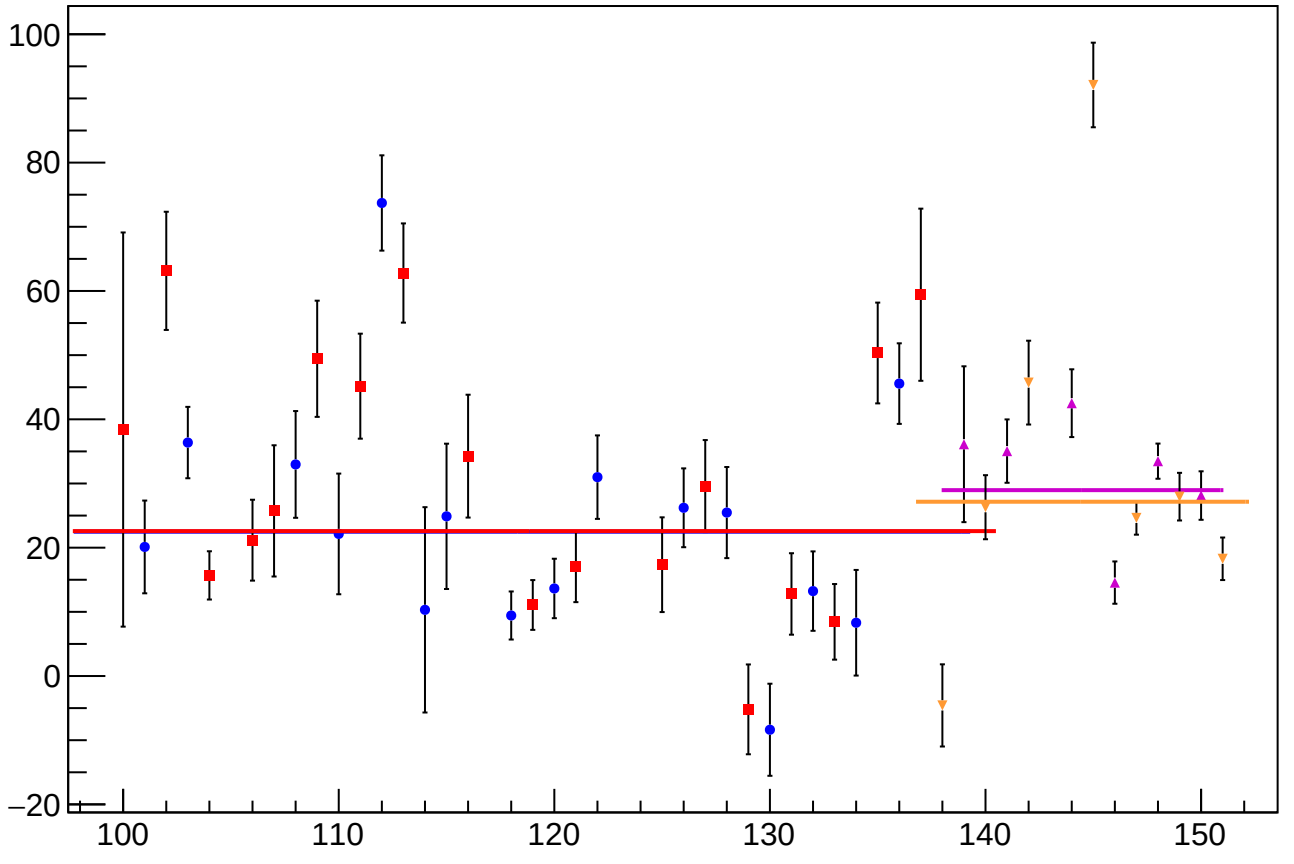
Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

Left In: -377.177+/-2.560 χ^2/NDF:52.8/5

\+ sign -308.918+/-1.351 χ^2/NDF: 3762.9/22

All: -305.402+/-0.947 χ^2/NDF: 8420.6/46

\- sign -302.013+/-1.327 χ^2/NDF: 4644.4/23



Right In: 22.492+/-1.621 χ^2/NDF: 111.4/15

Left Out: 27.158+/-1.541 χ^2/NDF:137.9/6

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

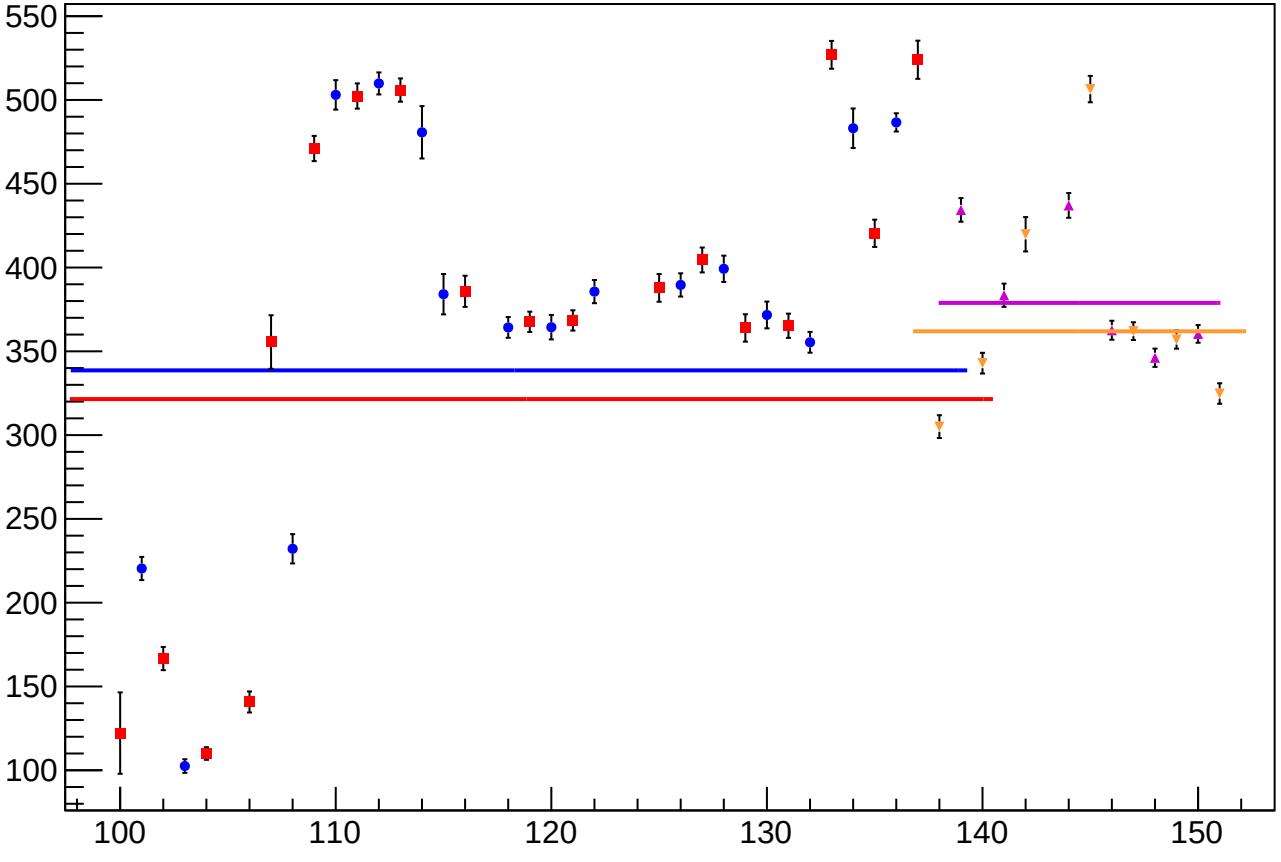
Left In: 28.963+/-1.625 χ^2/NDF:30.3/5

\+ sign 24.943+/-1.117 χ^2/NDF: 253.7/22

All: 25.299+/-0.794 χ^2/NDF: 415.5/46

\- sign 25.662+/-1.129 χ^2/NDF: 161.6/23

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: 361.943+/-2.430 χ^2/NDF:485.7/6

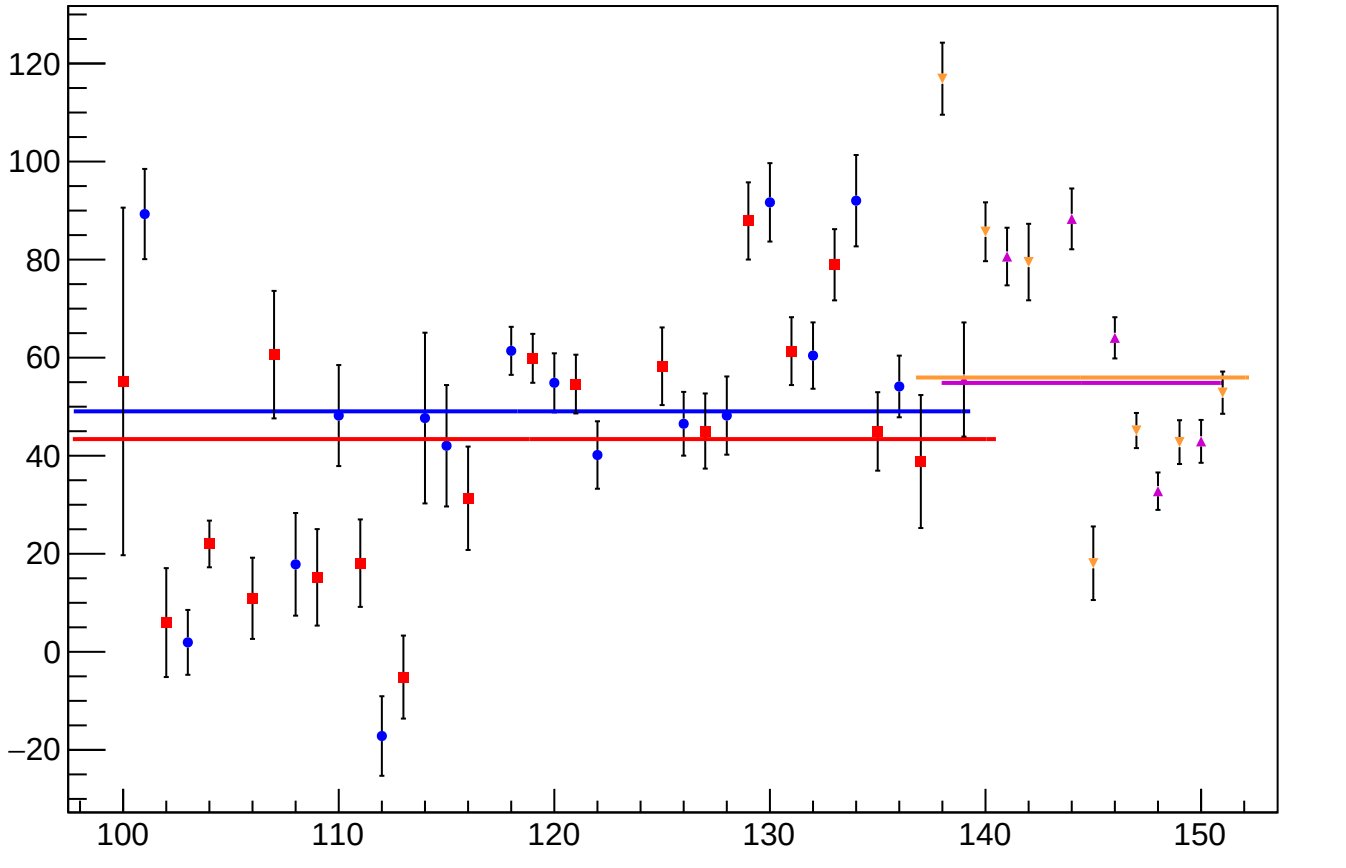
Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 378.893+/-2.500 χ^2/NDF:181.1/5

\+ sign 346.581+/-1.419 χ^2/NDF: 6589.0/22

All: 343.032+/-0.998 χ^2/NDF: 14864.4/46

\- sign 339.566+/-1.402 χ^2/NDF: 8263.1/23



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 55.952+/-1.953 χ^2/NDF:146.2/6

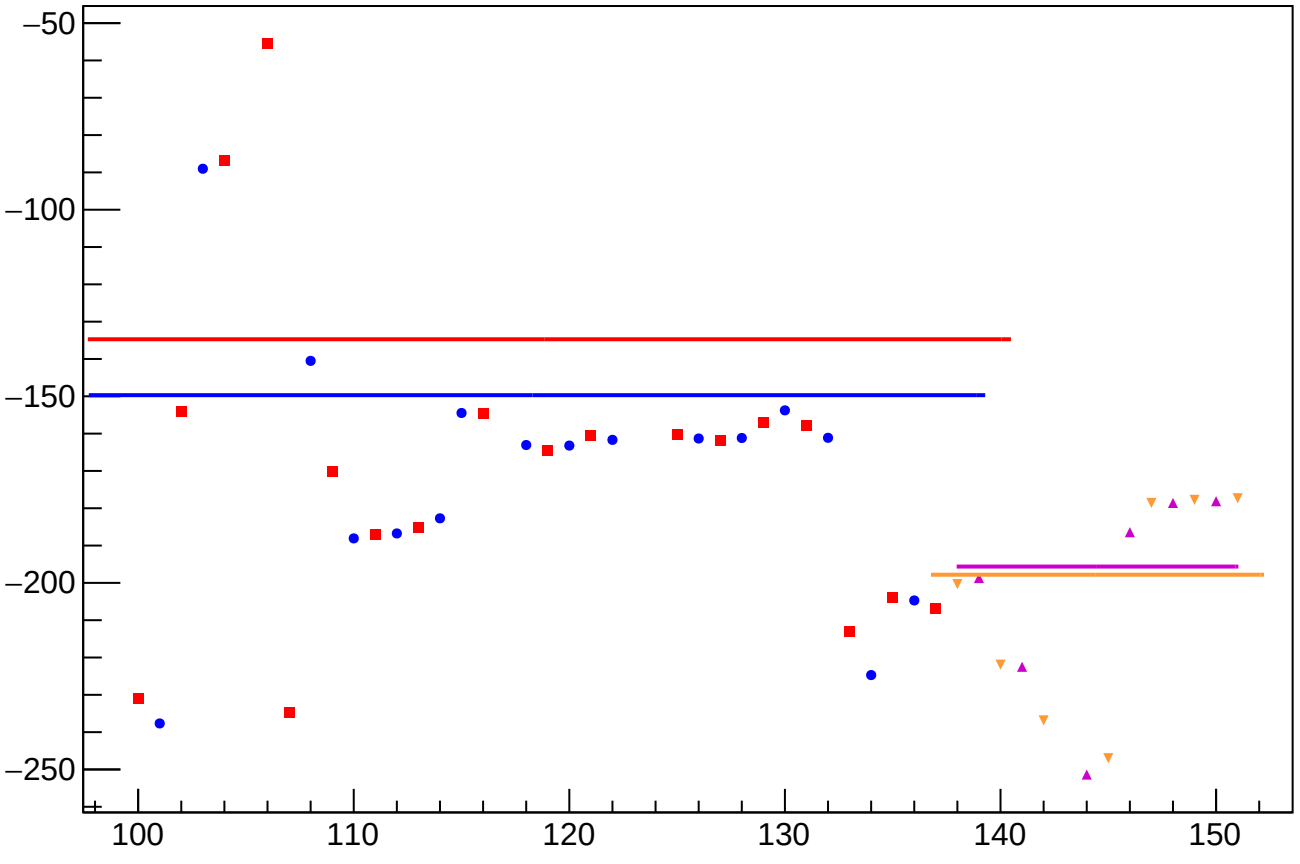
Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 54.849+/-2.041 χ^2/NDF:94.1/5

+ sign 52.376+/-1.355 χ^2/NDF: 360.6/22

All: 50.455+/-0.961 χ^2/NDF: 656.2/46

- sign 48.509+/-1.364 χ^2/NDF: 291.5/23



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -197.811+/-0.102 χ^2/NDF:62605.5/6

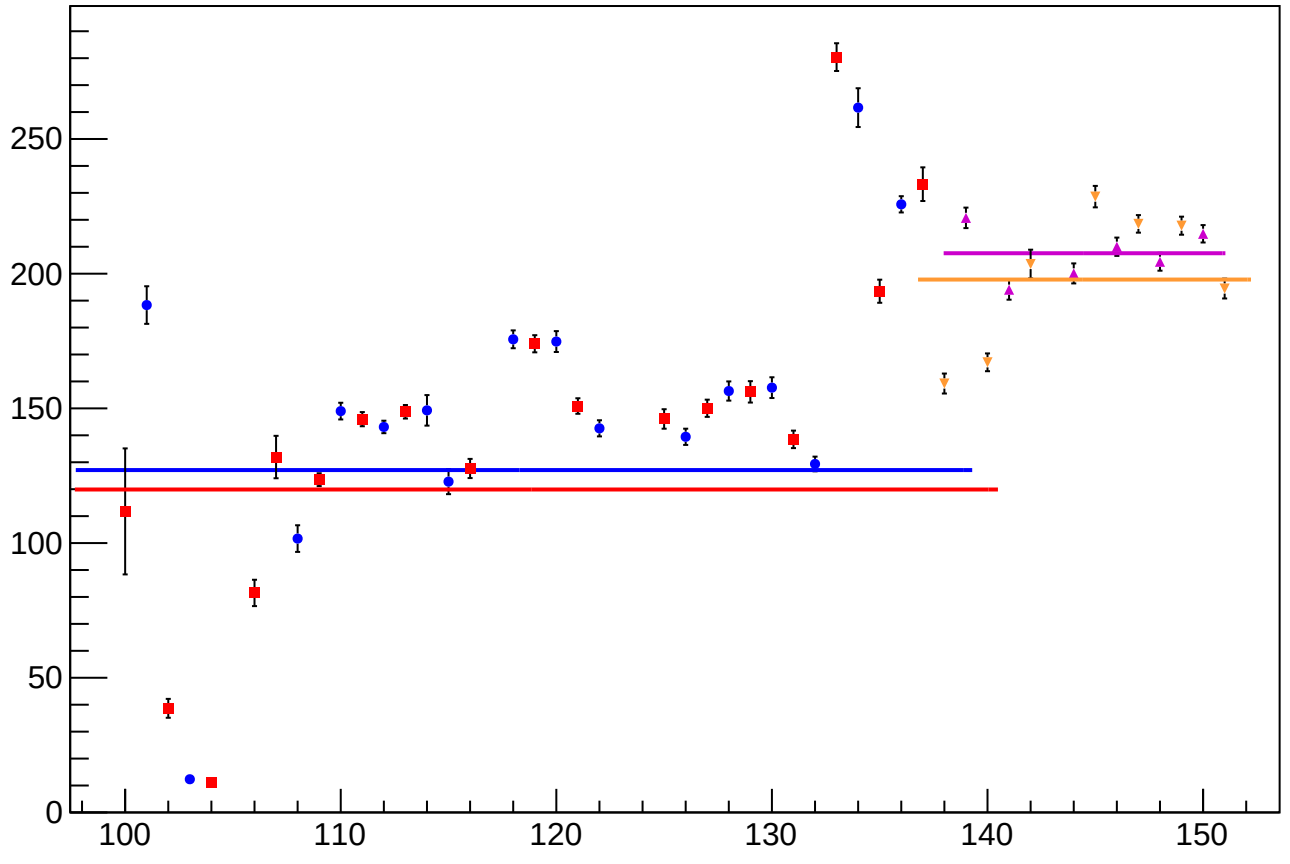
Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

Left In: -195.626+/-0.102 χ^2/NDF:51445.6/5

+ sign -173.512+/-0.072 χ^2/NDF: 431795.4/22

All: -168.513+/-0.050 χ^2/NDF: 993162.7/46

- sign -163.712+/-0.070 χ^2/NDF: 551824.6/23



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 197.823+/-1.387 χ^2/NDF:332.5/6

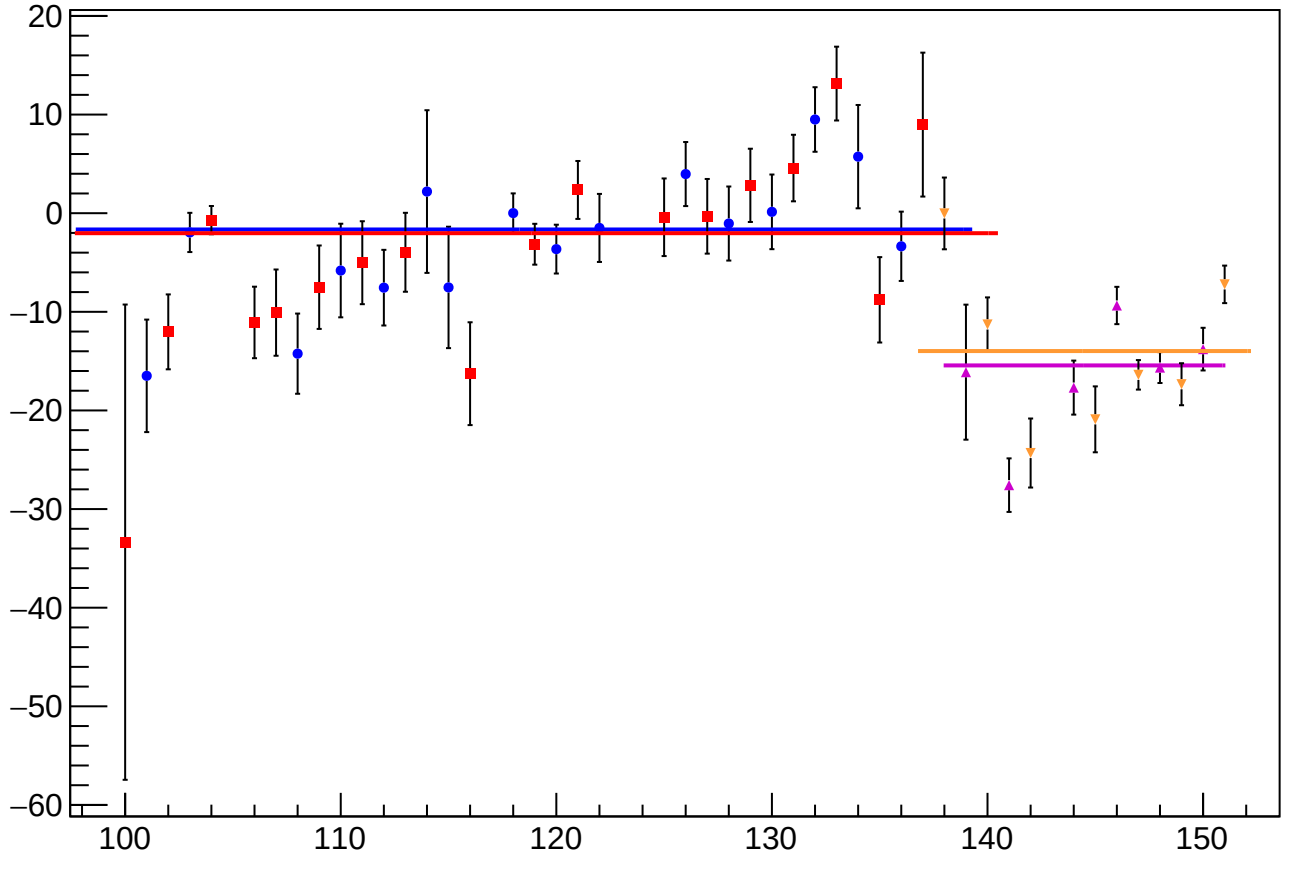
Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 207.591+/-1.433 χ^2/NDF:35.6/5

+ sign 145.104+/-0.700 χ^2/NDF: 8432.5/22

All: 142.332+/-0.488 χ^2/NDF: 18048.4/46

- sign 139.707+/-0.681 χ^2/NDF: 9585.4/23



Right In: -1.651+/-0.833 χ^2/NDF: 39.1/15

Left Out: -13.979+/-0.869 χ^2/NDF:46.4/6

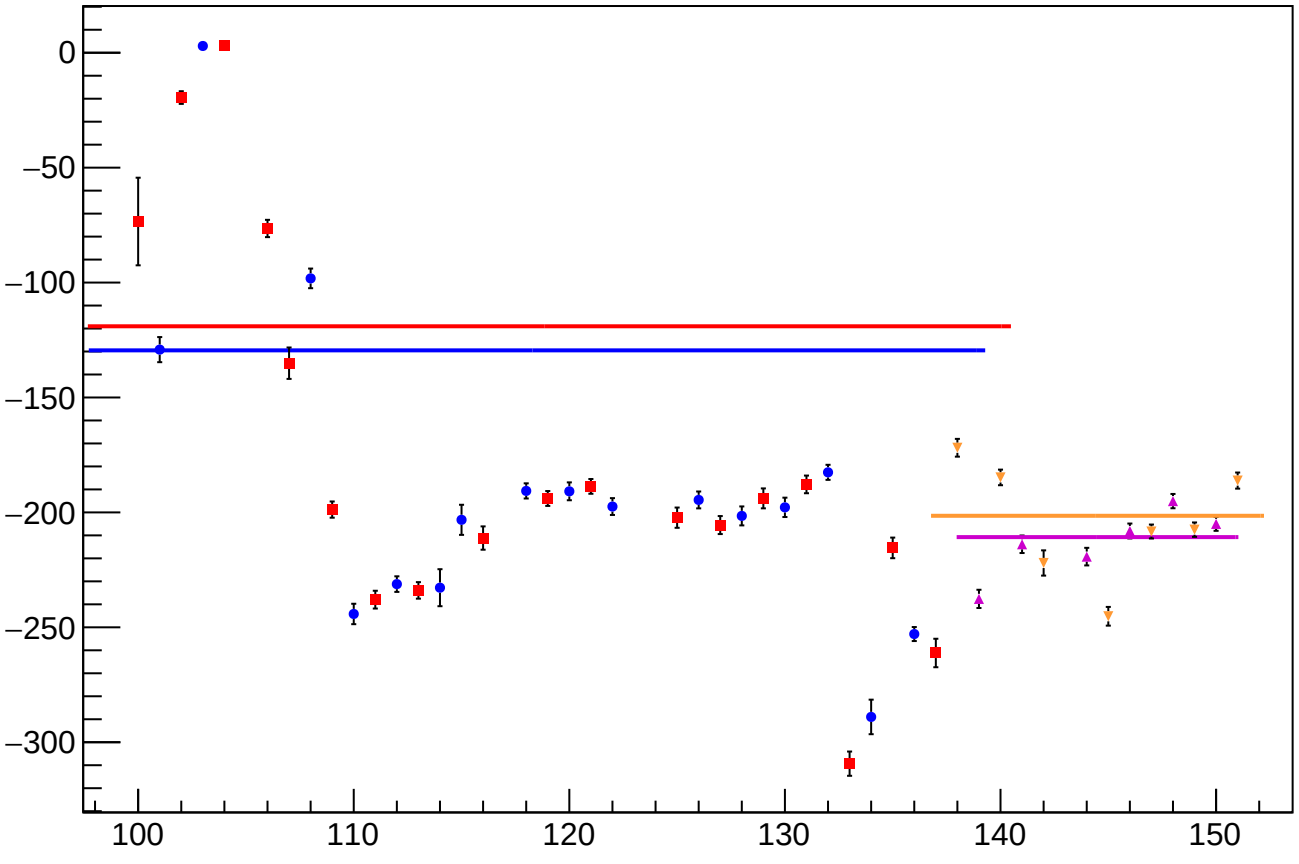
Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -15.435+/-0.916 χ^2/NDF:31.6/5

+ sign -7.549+/-0.601 χ^2/NDF: 190.4/22

All: -7.565+/-0.421 χ^2/NDF: 406.1/46

- sign -7.581+/-0.589 χ^2/NDF: 215.7/23



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -201.472+/-1.362 χ^2/NDF:239.8/6

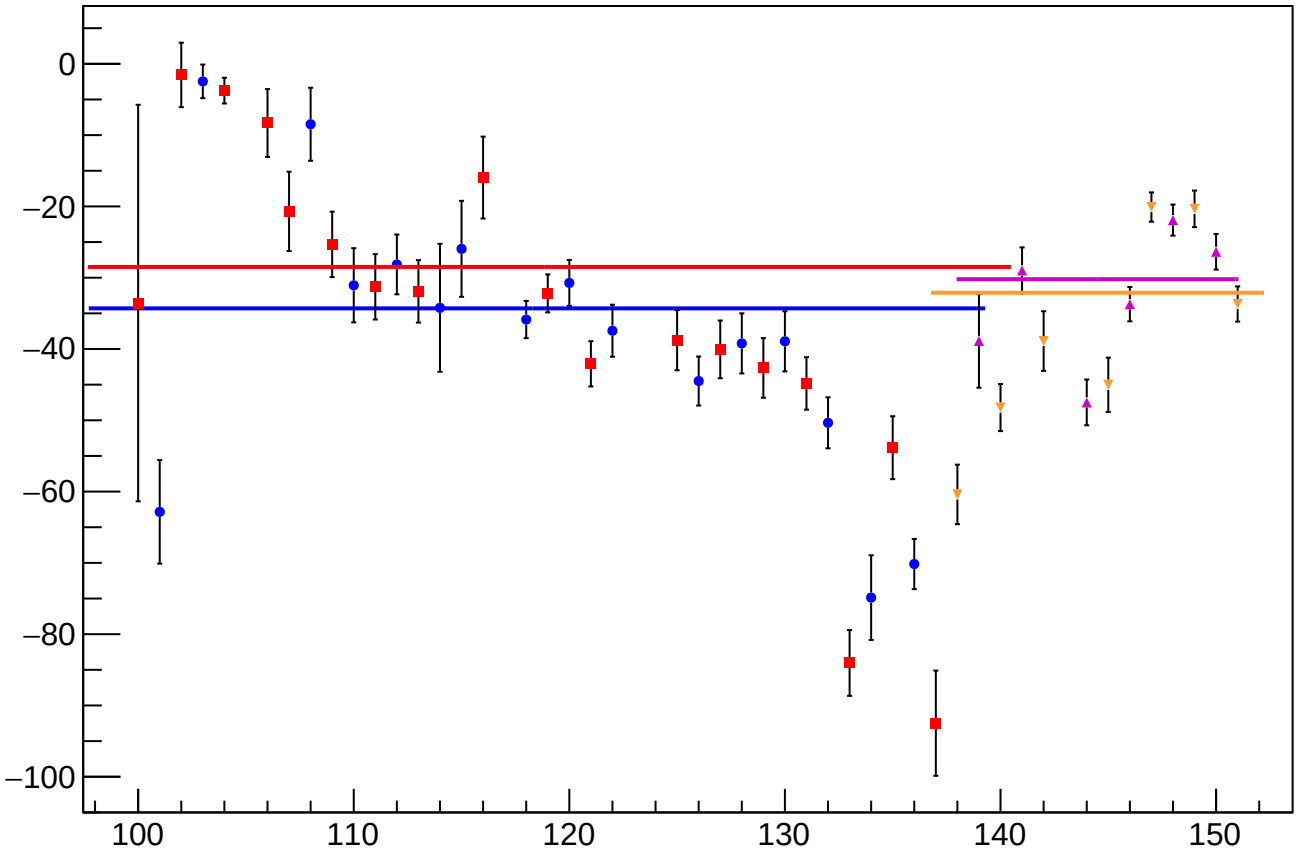
Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -210.750+/-1.402 χ^2/NDF:81.2/5

+ sign -149.540+/-0.719 χ^2/NDF: 16941.4/22

All: -145.737+/-0.503 χ^2/NDF: 36458.9/46

- sign -142.099+/-0.703 χ^2/NDF: 19462.7/23



Right In: -34.301+/-0.968 χ^2/NDF: 411.3/15

Left Out: -32.105+/-1.099 χ^2/NDF:139.6/6

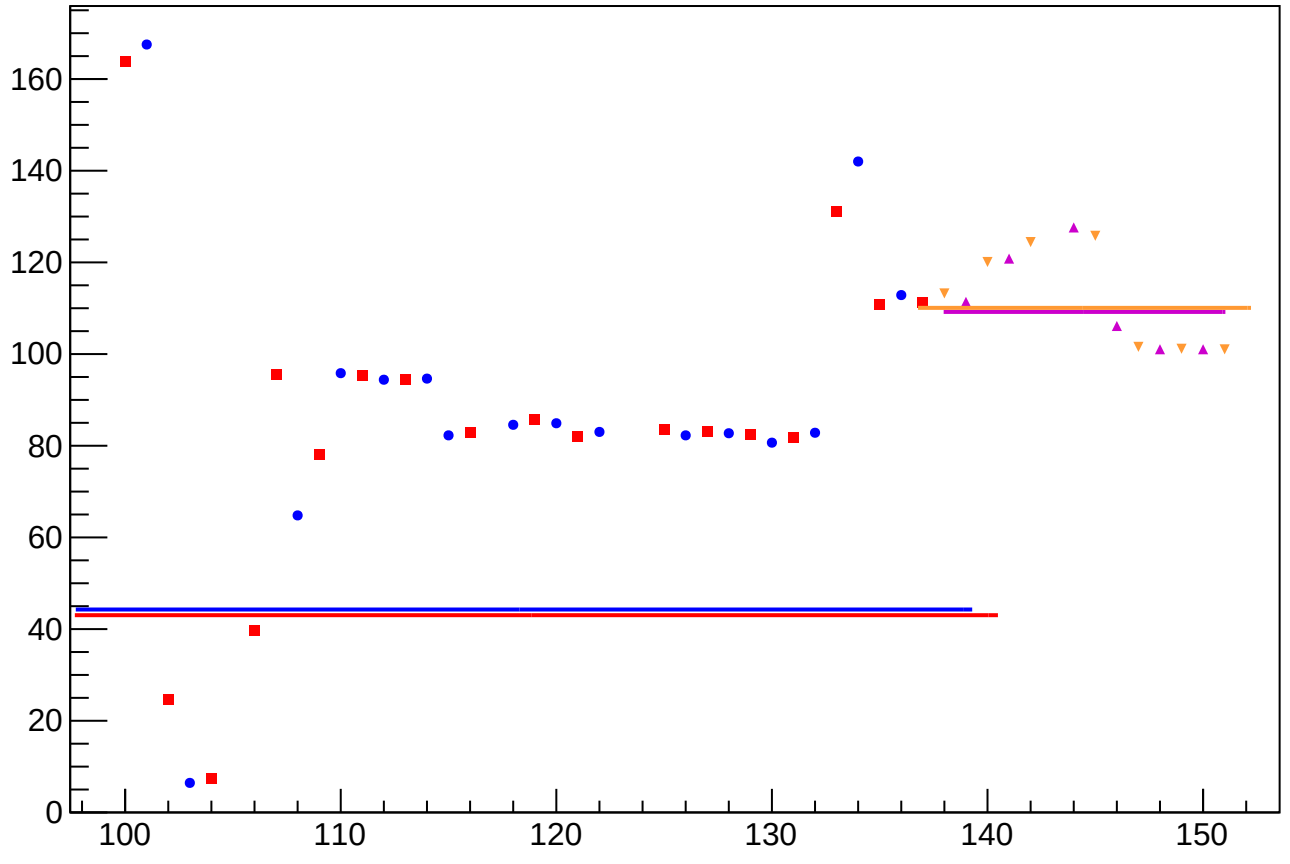
Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: -30.205+/-1.148 χ^2/NDF:49.8/5

+ sign -33.341+/-0.726 χ^2/NDF: 553.1/22

All: -31.202+/-0.508 χ^2/NDF: 1189.3/46

- sign -29.147+/-0.712 χ^2/NDF: 619.2/23



Right In: 44.274+/-0.045 χ^2/NDF: 1085082.2/15

Left Out: 110.080+/-0.057 χ^2/NDF:31106.1/6

Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

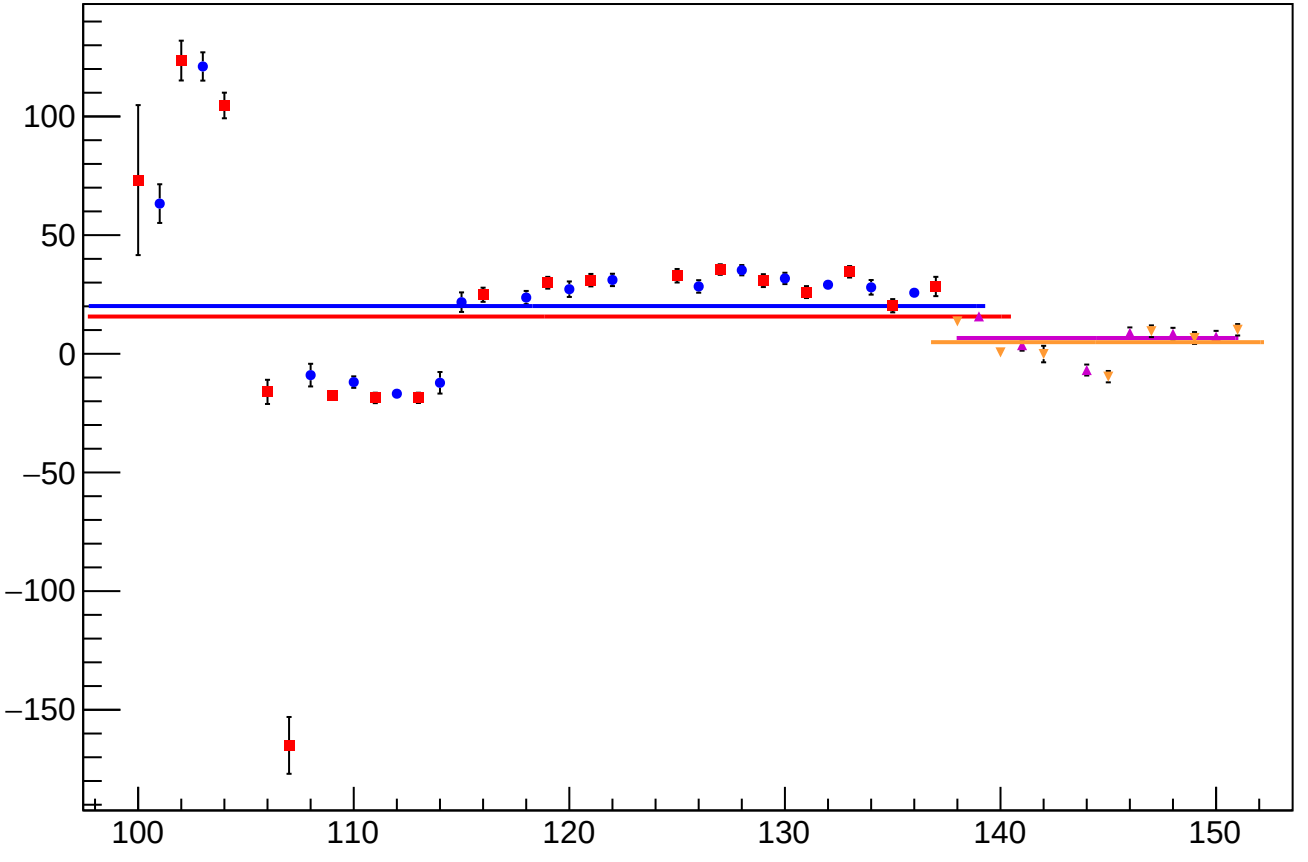
Left In: 109.195+/-0.057 χ^2/NDF:26439.8/5

+ sign 69.472+/-0.035 χ^2/NDF: 1937184.5/22

All: 68.923+/-0.025 χ^2/NDF: 3595711.6/46

- sign 68.372+/-0.035 χ^2/NDF: 1658042.4/23

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 4.898+/-0.907 χ^2/NDF:69.4/6

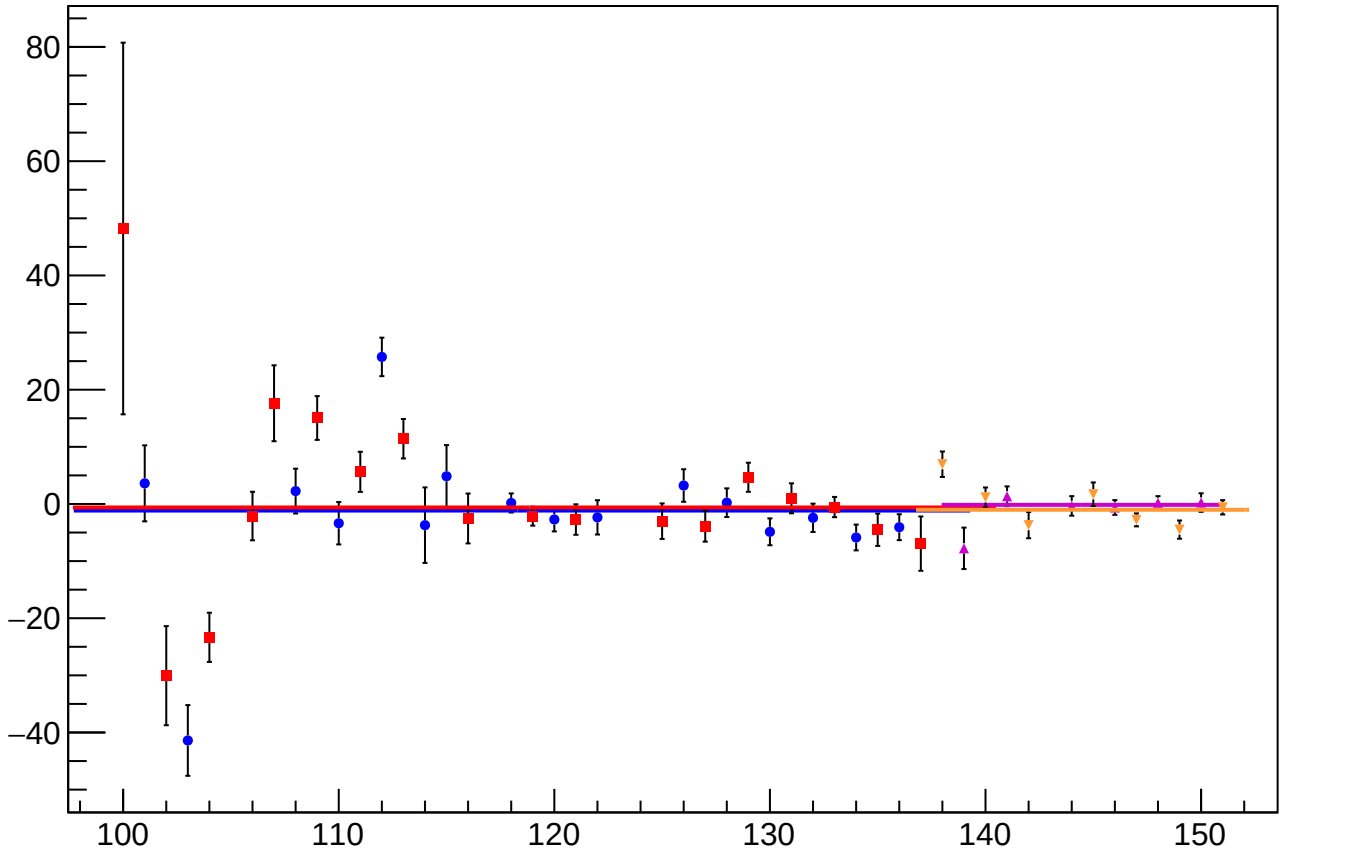
Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 6.659+/-0.934 χ^2/NDF:58.0/5

+ sign 14.567+/-0.548 χ^2/NDF: 1296.4/22

All: 13.567+/-0.388 χ^2/NDF: 3196.1/46

- sign 12.556+/-0.551 χ^2/NDF: 1892.9/23



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: -1.017+/-0.602 χ^2/NDF:24.7/6

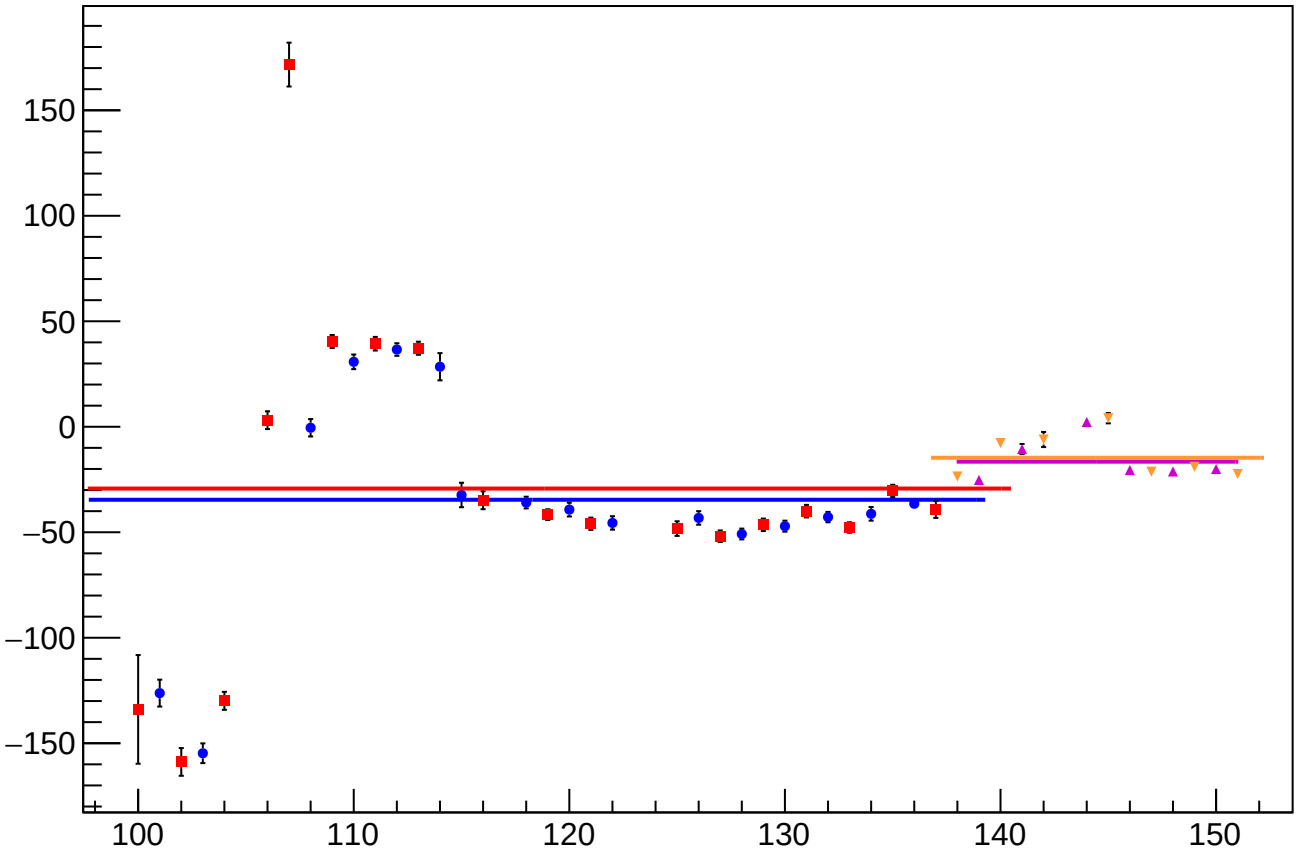
Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

Left In: -0.154+/-0.637 χ^2/NDF:5.4/5

+ sign -1.074+/-0.456 χ^2/NDF: 146.6/22

All: -0.730+/-0.329 χ^2/NDF: 246.8/46

- sign -0.358+/-0.475 χ^2/NDF: 99.1/23



Right In: -34.598+/-0.786 χ^2/NDF: 2058.4/15

Left Out: -14.692+/-0.899 χ^2/NDF:114.9/6

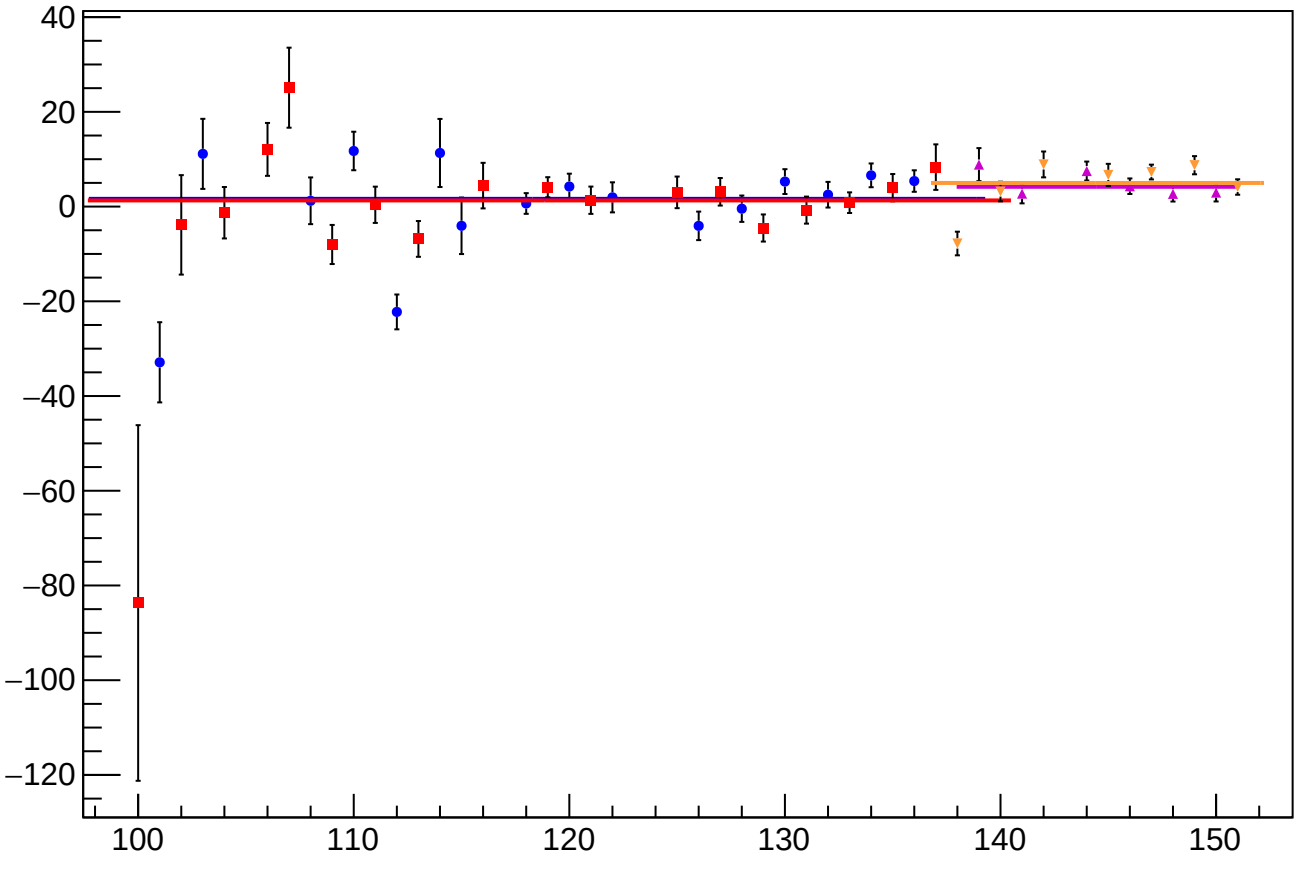
Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -16.547+/-0.924 χ^2/NDF:95.7/5

+ sign -25.971+/-0.592 χ^2/NDF: 2451.2/22

All: -24.920+/-0.423 χ^2/NDF: 5743.0/46

- sign -23.822+/-0.605 χ^2/NDF: 3285.3/23



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 4.990+/-0.752 χ^2/NDF:35.9/6

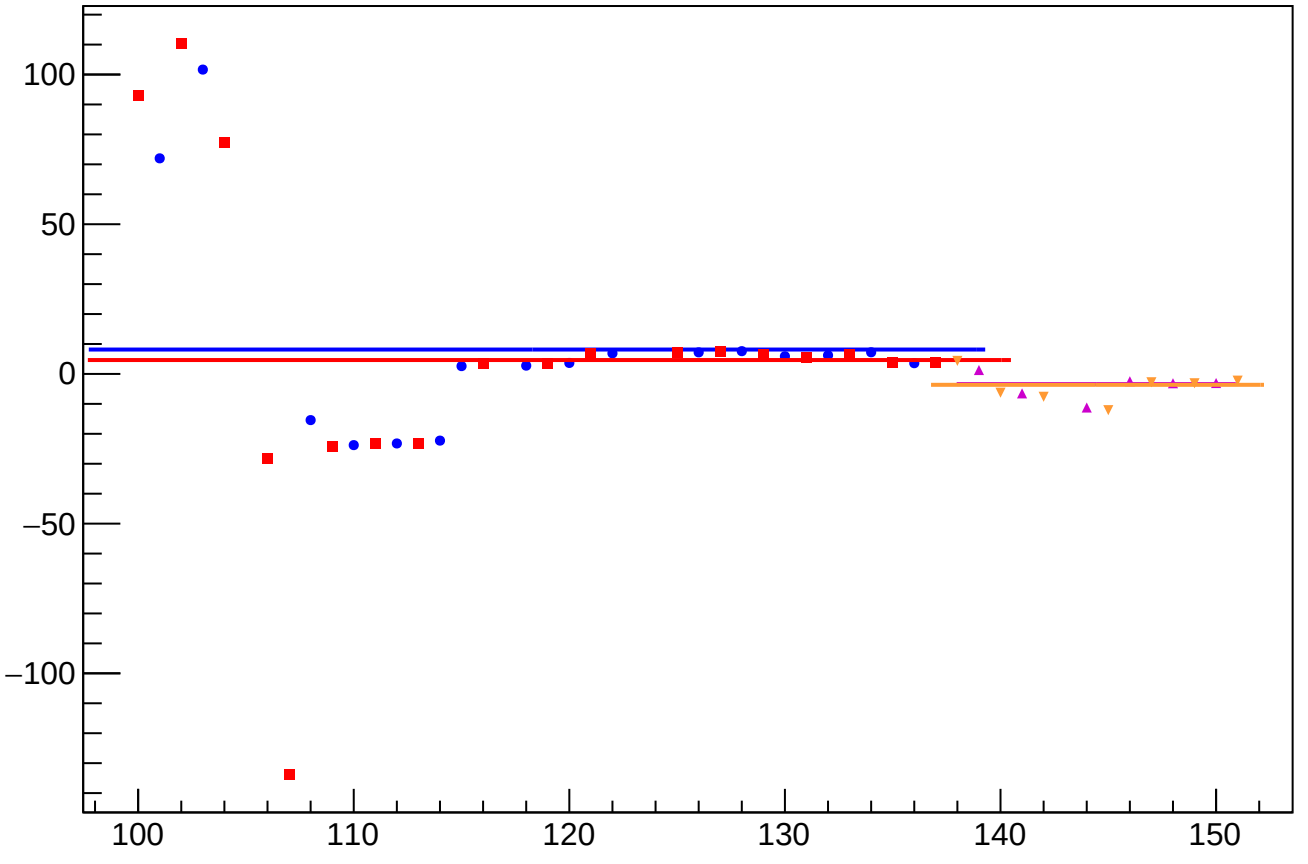
Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 4.181+/-0.789 χ^2/NDF:6.4/5

+ sign 3.408+/-0.547 χ^2/NDF: 128.5/22

All: 3.110+/-0.394 χ^2/NDF: 179.5/46

- sign 2.790+/-0.567 χ^2/NDF: 50.3/23



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

Left Out: -3.635+/-0.037 χ^2/NDF:18302.1/6

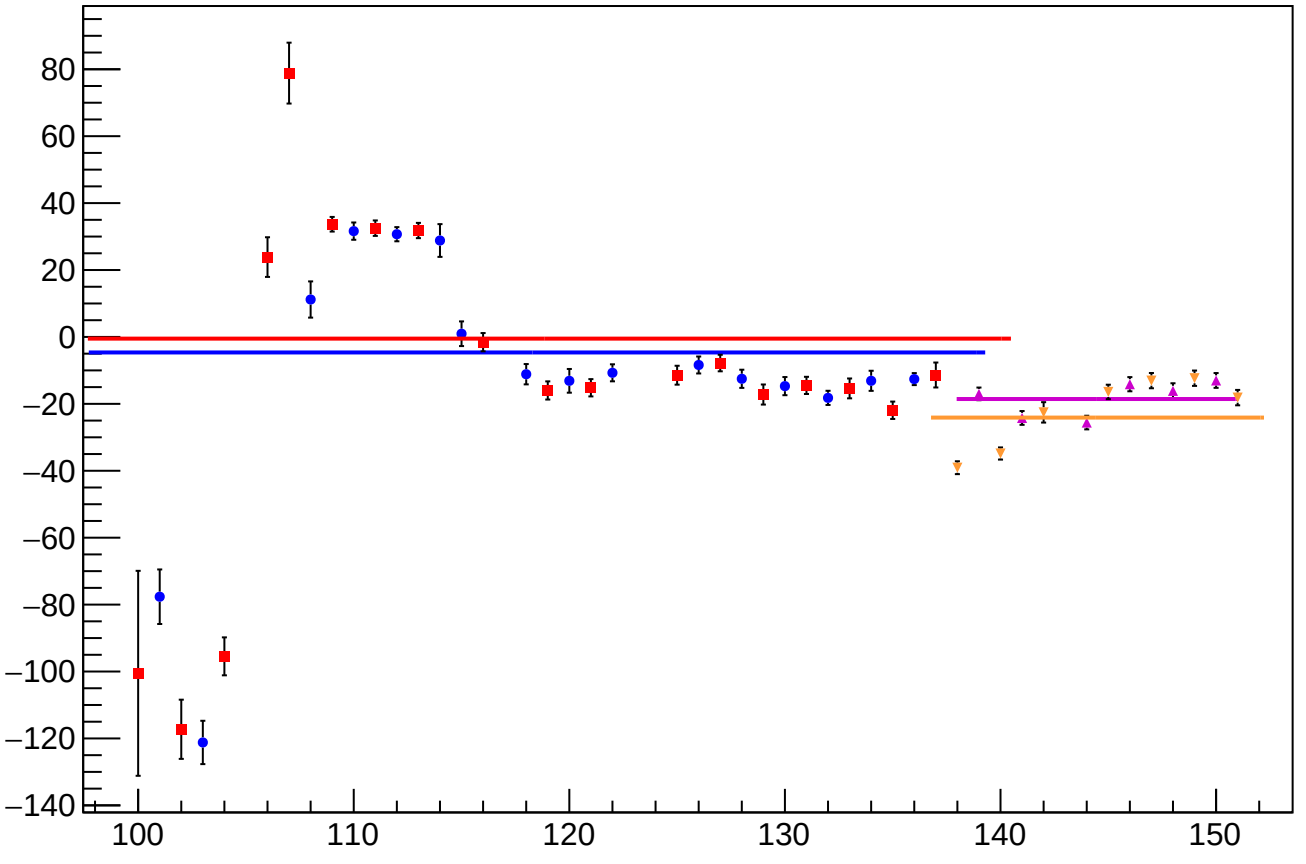
Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -3.385+/-0.037 χ^2/NDF:10510.1/5

\+ sign 0.718+/-0.029 χ^2/NDF: 369052.5/22

All: 0.058+/-0.021 χ^2/NDF: 843258.4/46

\- sign -0.640+/-0.030 χ^2/NDF: 473168.4/23



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -24.104+/-0.826 χ^2/NDF:165.0/6

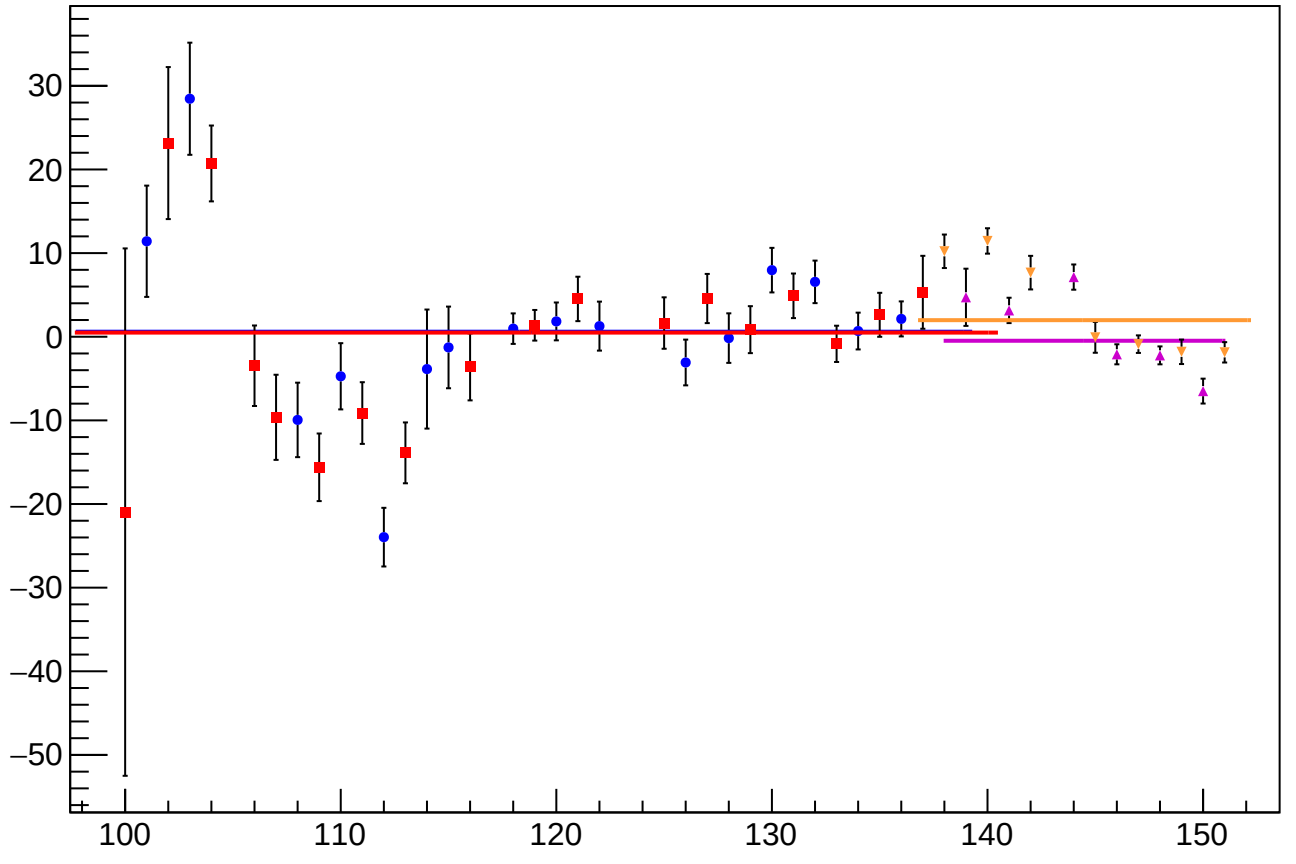
Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -18.555+/-0.853 χ^2/NDF:31.9/5

+ sign -12.935+/-0.539 χ^2/NDF: 1530.1/22

All: -10.453+/-0.384 χ^2/NDF: 3327.1/46

- sign -7.906+/-0.546 χ^2/NDF: 1754.0/23



Right In: 0.602+/-0.727 χ^2/NDF: 92.9/15

Left Out: 1.982+/-0.553 χ^2/NDF:89.2/6

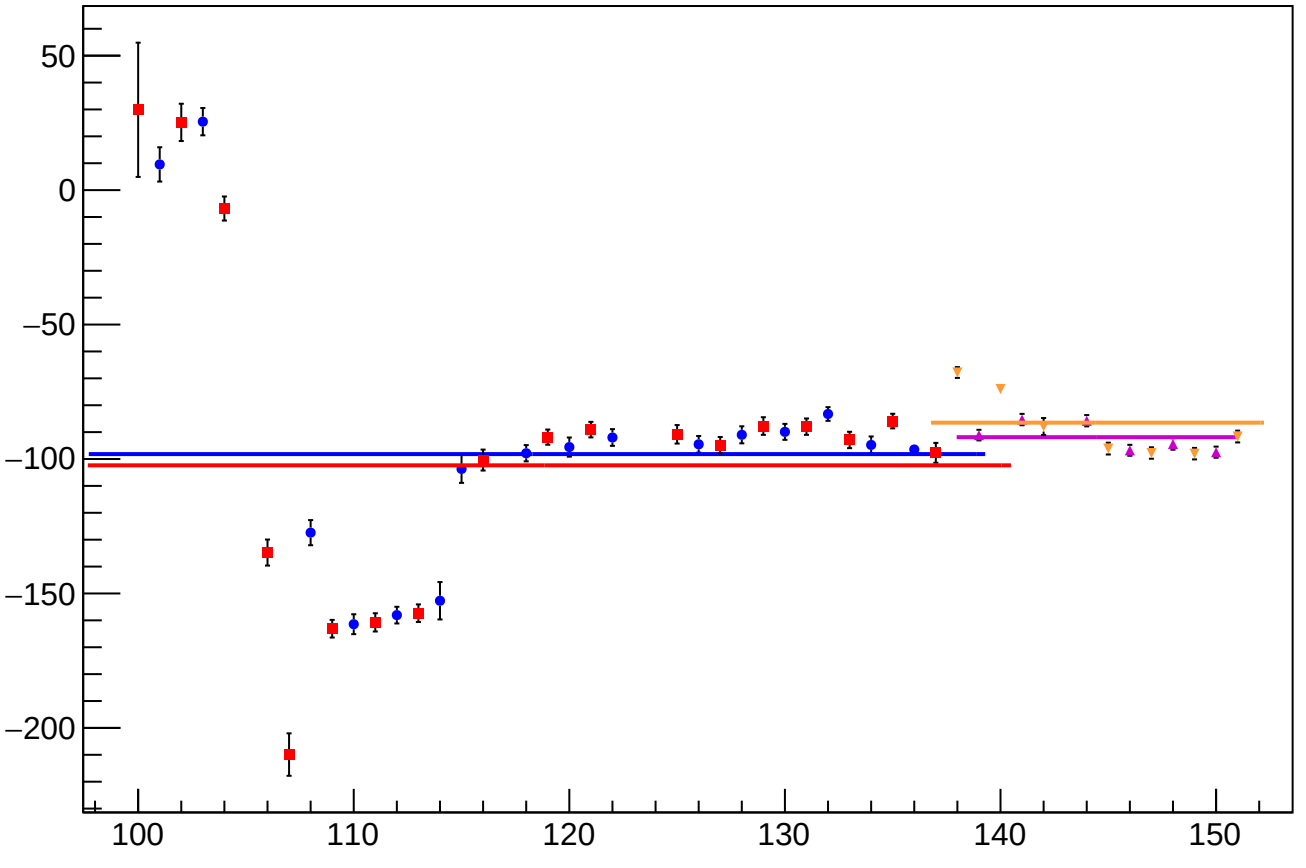
Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: -0.480+/-0.579 χ^2/NDF:54.4/5

+ sign 1.477+/-0.440 χ^2/NDF: 184.4/22

All: 0.714+/-0.318 χ^2/NDF: 326.2/46

- sign -0.118+/-0.459 χ^2/NDF: 135.6/23



Right In: -98.168+/-0.813 χ^2/NDF: 1699.9/15

Left Out: -86.478+/-0.820 χ^2/NDF:213.1/6

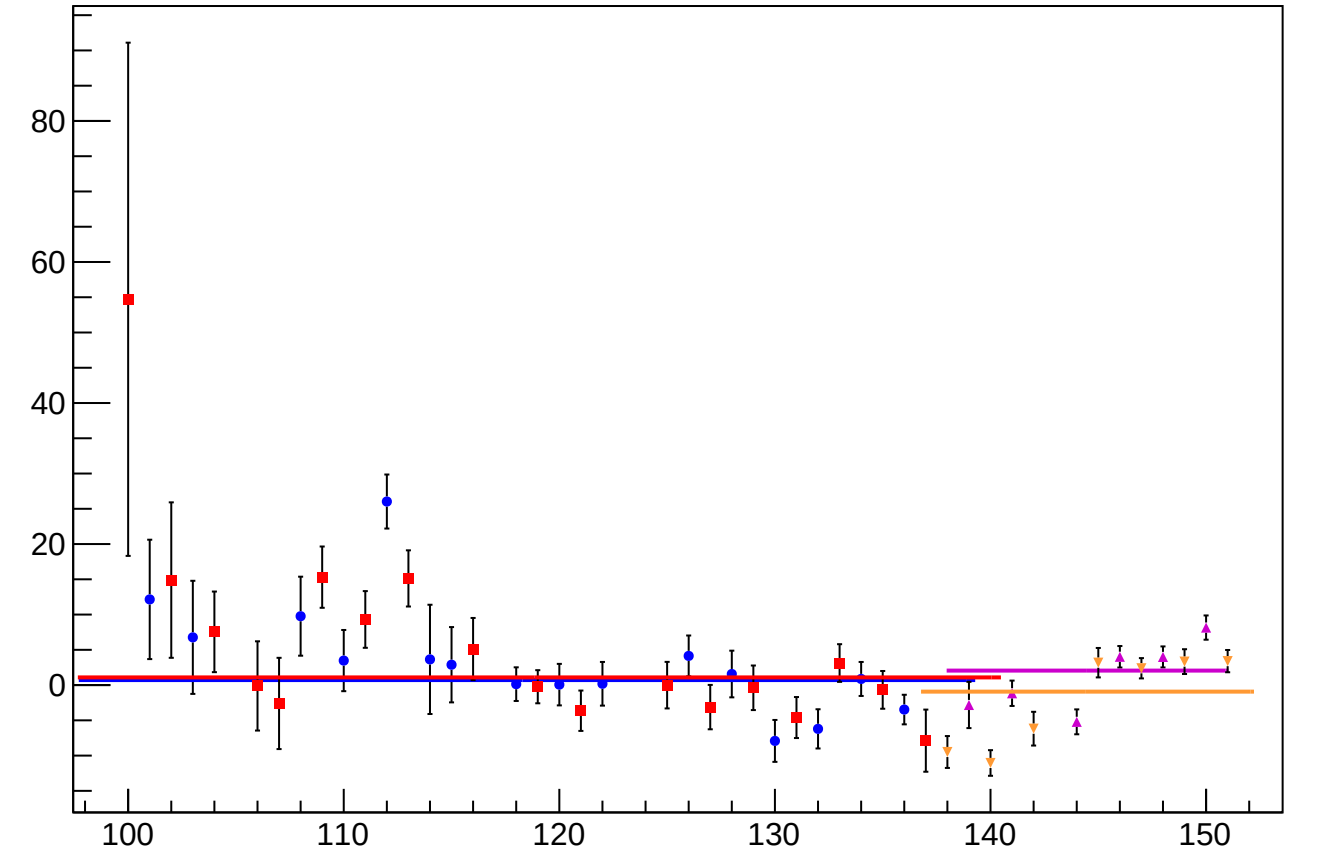
Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -91.879+/-0.844 χ^2/NDF:32.7/5

+ sign -92.374+/-0.577 χ^2/NDF: 2015.6/22

All: -94.696+/-0.414 χ^2/NDF: 4276.7/46

- sign -97.156+/-0.594 χ^2/NDF: 2227.8/23



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -0.928+/-0.688 χ^2/NDF:72.7/6

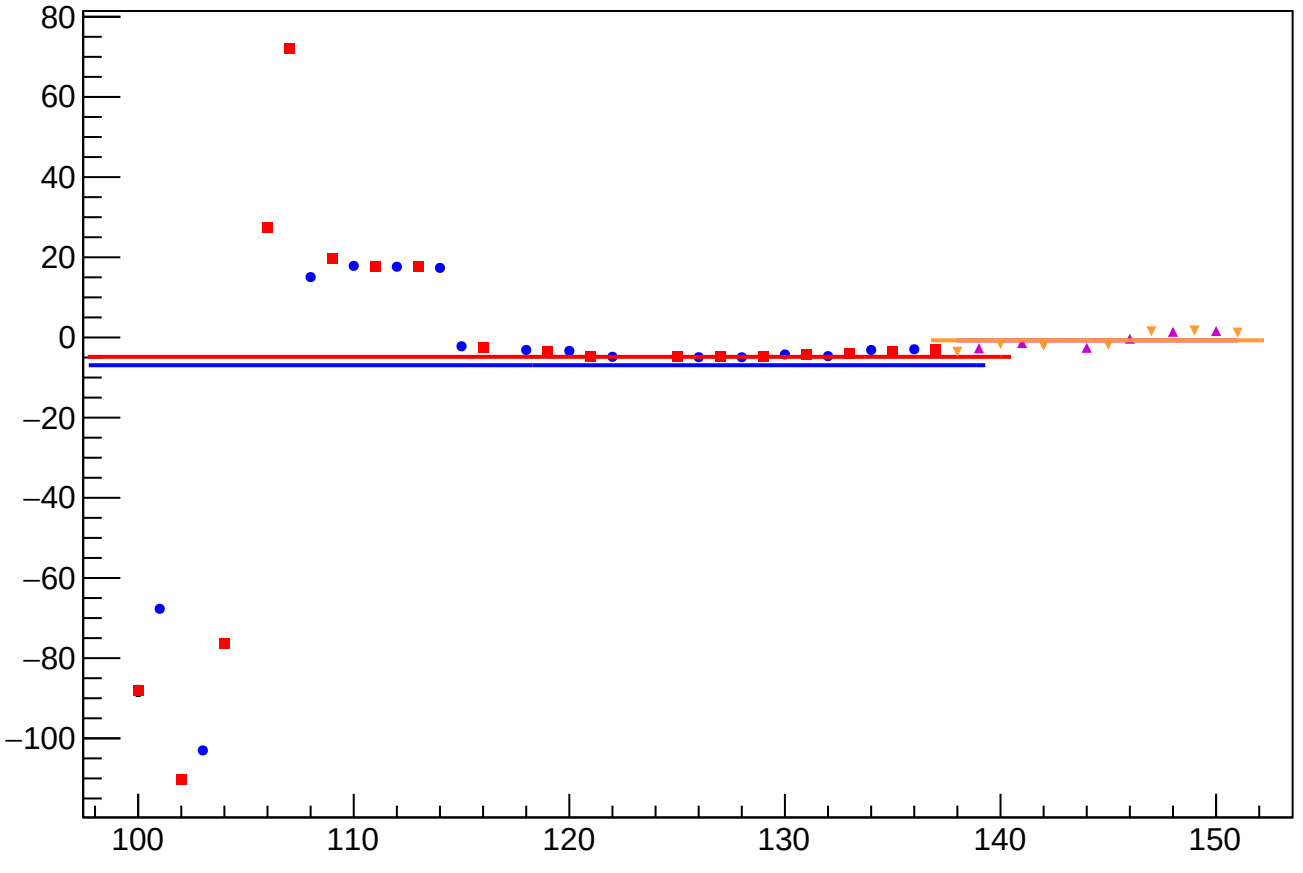
Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: 2.054+/-0.718 χ^2/NDF:38.3/5

+ sign -0.252+/-0.528 χ^2/NDF: 144.6/22

All: 0.662+/-0.381 χ^2/NDF: 237.6/46

- sign 1.656+/-0.550 χ^2/NDF: 86.7/23



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: -0.713+/-0.034 χ^2/NDF:3513.6/6

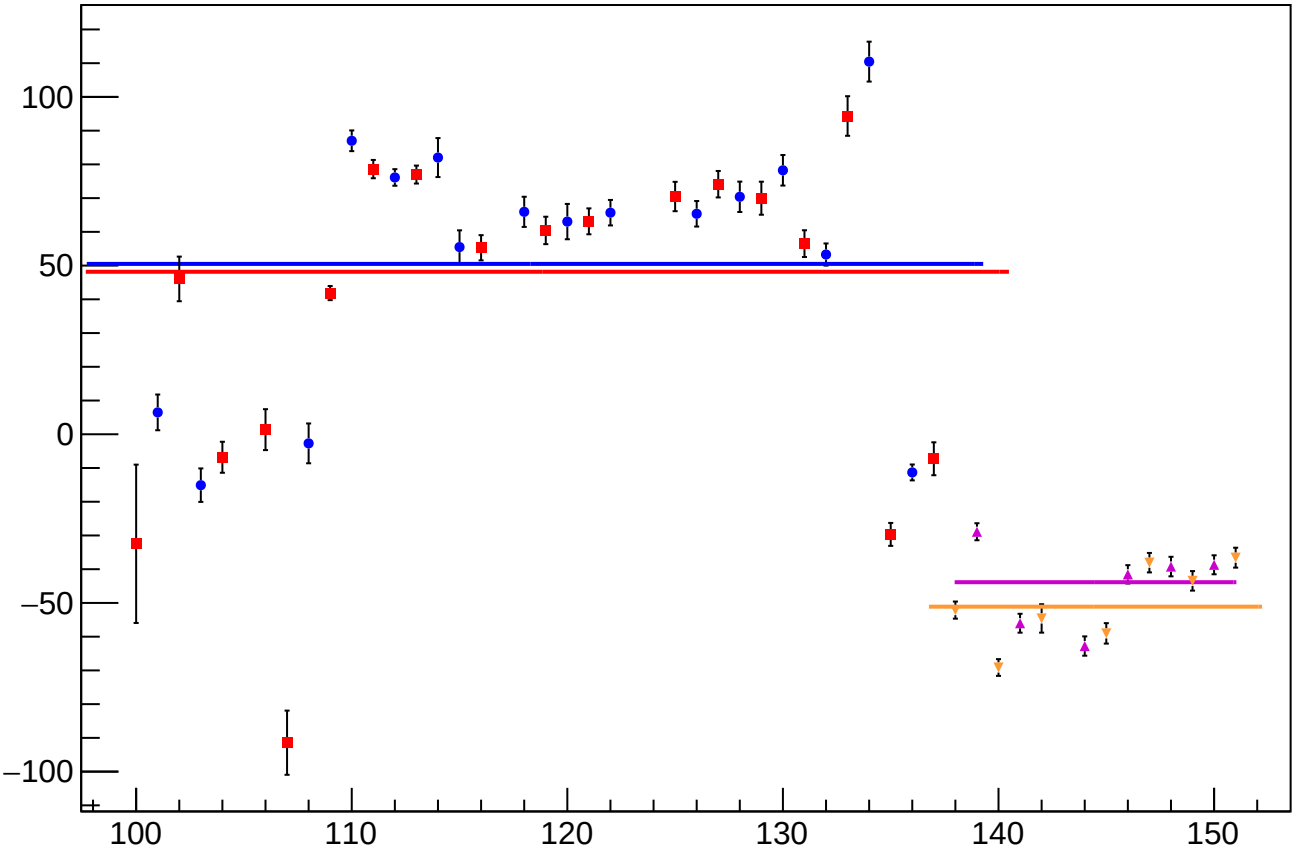
Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

Left In: -0.738+/-0.034 χ^2/NDF:2644.7/5

+ sign -2.749+/-0.028 χ^2/NDF: 279725.8/22

All: -2.360+/-0.020 χ^2/NDF: 626379.3/46

- sign -1.945+/-0.029 χ^2/NDF: 346248.5/23



Right In: 50.503+/-0.965 χ^2/NDF: 1503.6/15

Left Out: -51.106+/-1.093 χ^2/NDF:112.1/6

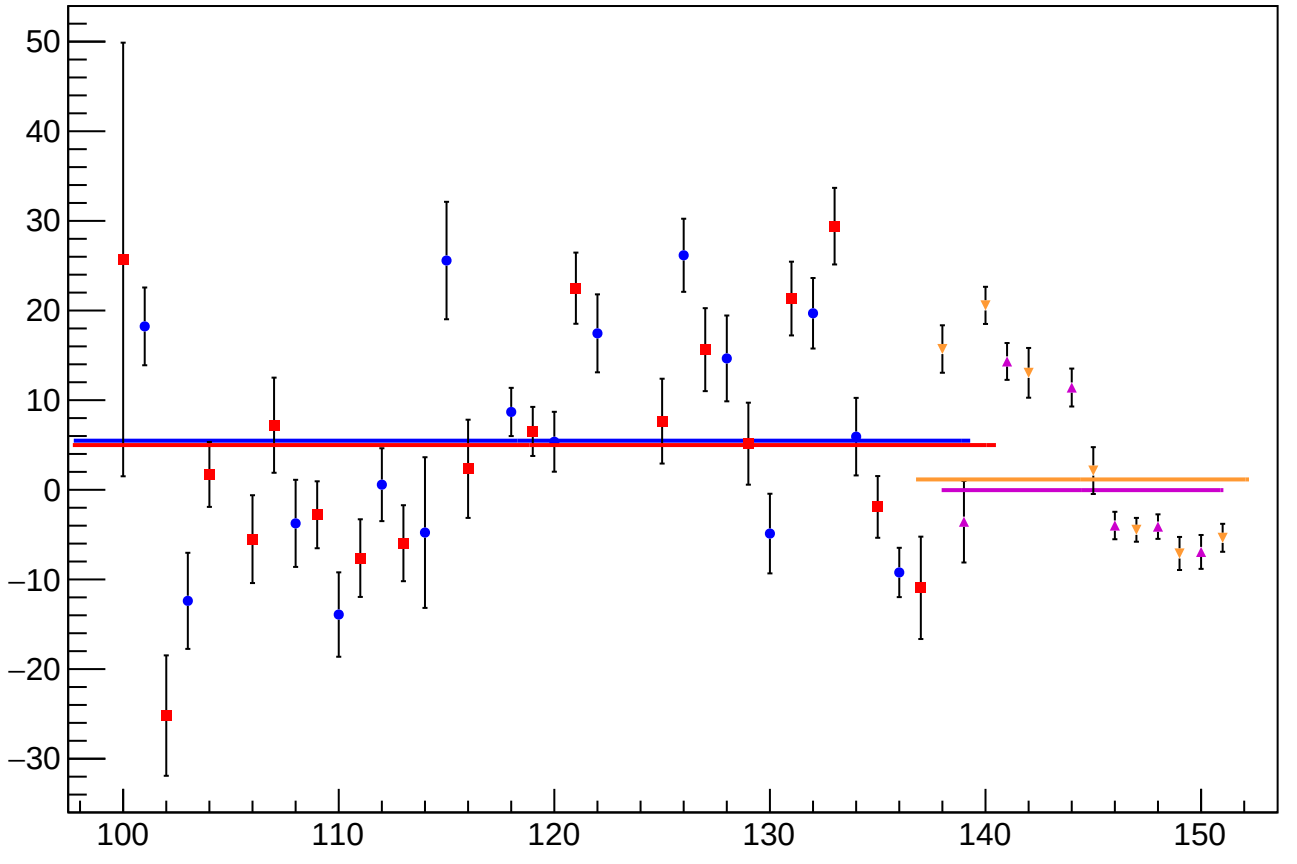
Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -43.851+/-1.127 χ^2/NDF:104.4/5

\+ sign 5.968+/-0.723 χ^2/NDF: 6471.7/22

All: 8.862+/-0.507 χ^2/NDF: 12147.6/46

\- sign 11.648+/-0.710 χ^2/NDF: 5644.6/23



Right In: 5.481+/-1.021 χ^2/NDF: 138.2/15

Left Out: 1.157+/-0.721 χ^2/NDF:191.8/6

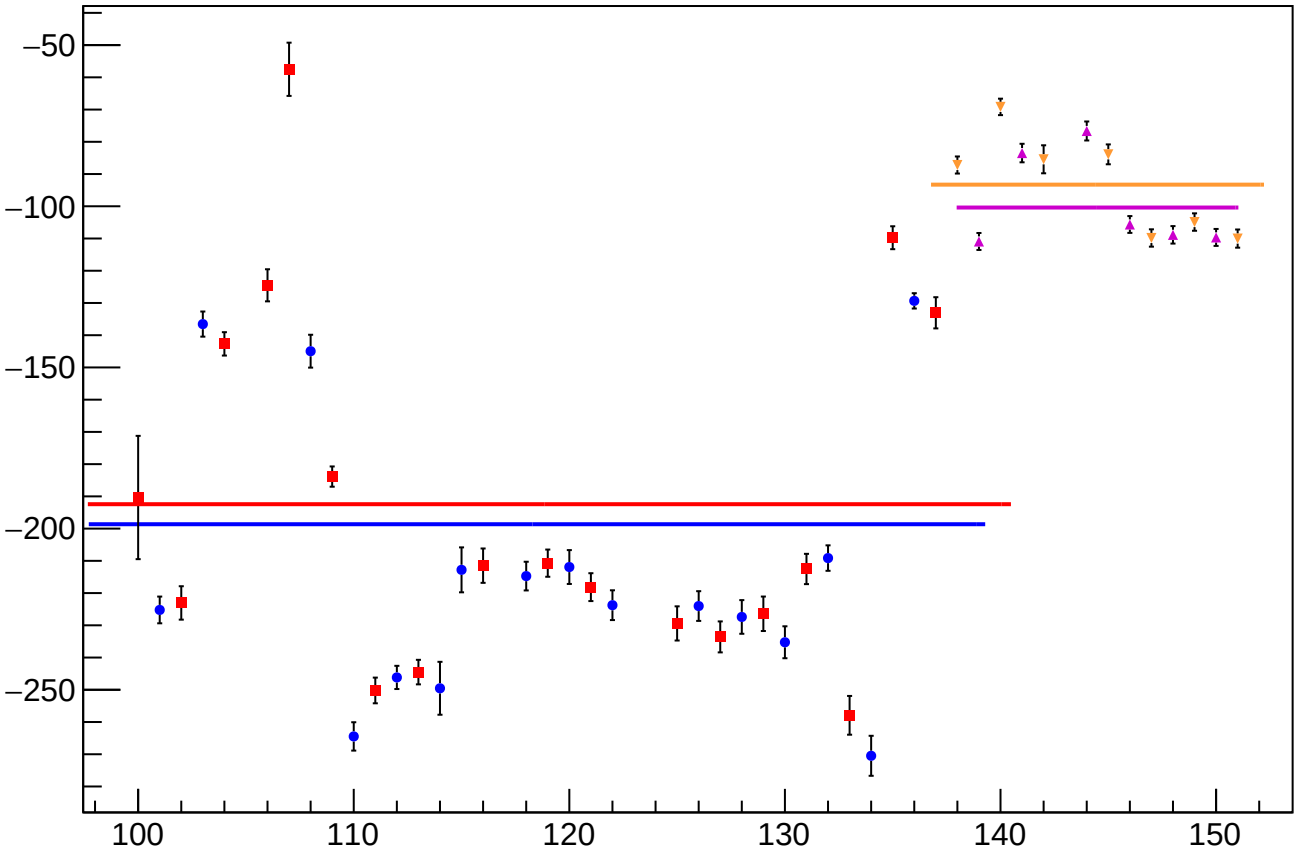
Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: -0.036+/-0.756 χ^2/NDF:107.5/5

+ sign 2.596+/-0.589 χ^2/NDF: 342.0/22

All: 2.182+/-0.423 χ^2/NDF: 597.9/46

- sign 1.741+/-0.608 χ^2/NDF: 254.9/23



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -93.290+/-1.081 χ^2/NDF:198.7/6

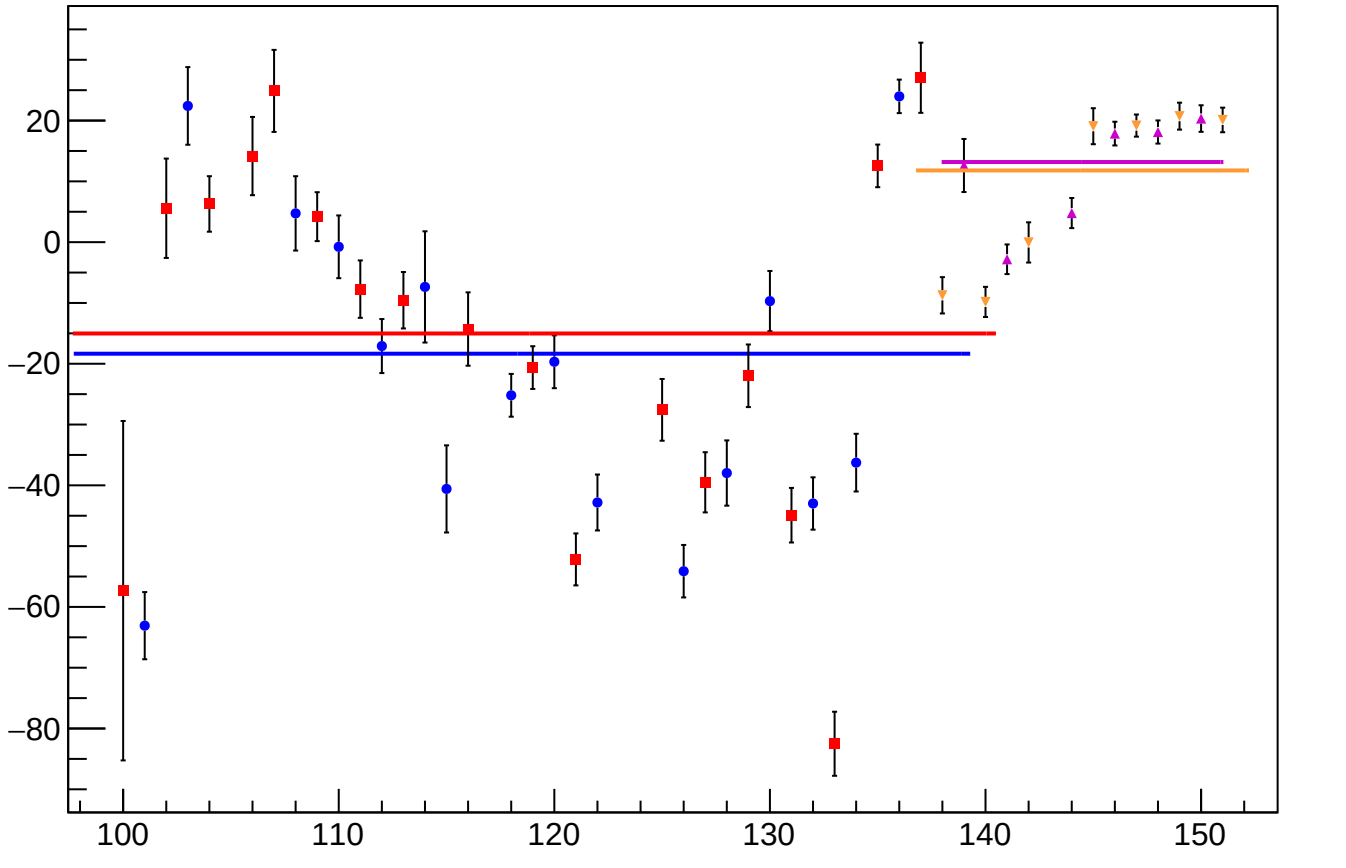
Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

Left In: -100.393+/-1.112 χ^2/NDF:141.9/5

\+ sign -145.873+/-0.765 χ^2/NDF: 6937.2/22

All: -146.807+/-0.544 χ^2/NDF: 12747.0/46

\- sign -147.763+/-0.775 χ^2/NDF: 5806.8/23



Right In: -18.348+/-1.159 χ^2/NDF: 543.9/15

Left Out: 11.799+/-0.902 χ^2/NDF:191.6/6

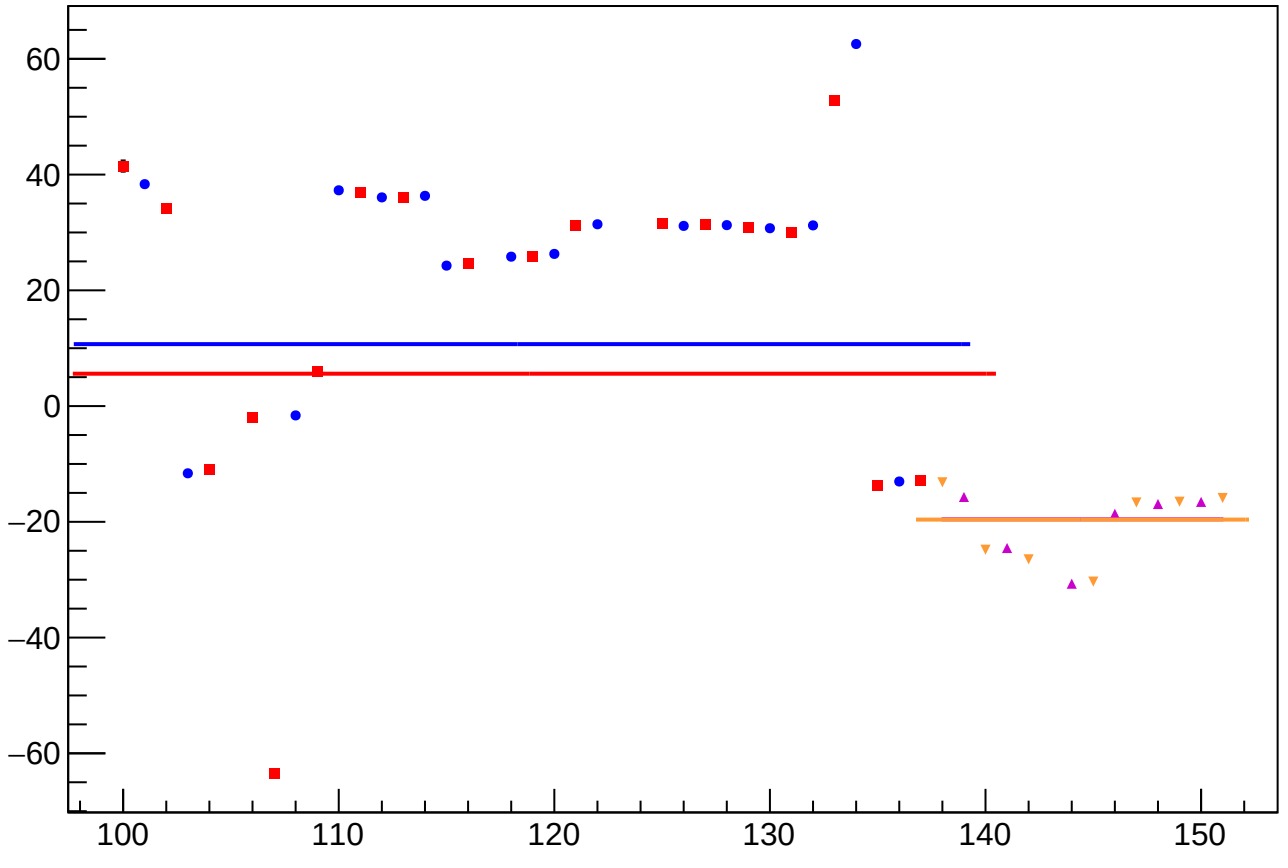
Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: 13.182+/-0.940 χ^2/NDF:77.7/5

+ sign 0.432+/-0.712 χ^2/NDF: 1156.8/22

All: 1.208+/-0.510 χ^2/NDF: 2139.6/46

- sign 2.026+/-0.731 χ^2/NDF: 980.4/23



Right In: 10.704+/-0.063 χ^2/NDF: 164860.8/15

Left Out: -19.613+/-0.045 χ^2/NDF:17706.1/6

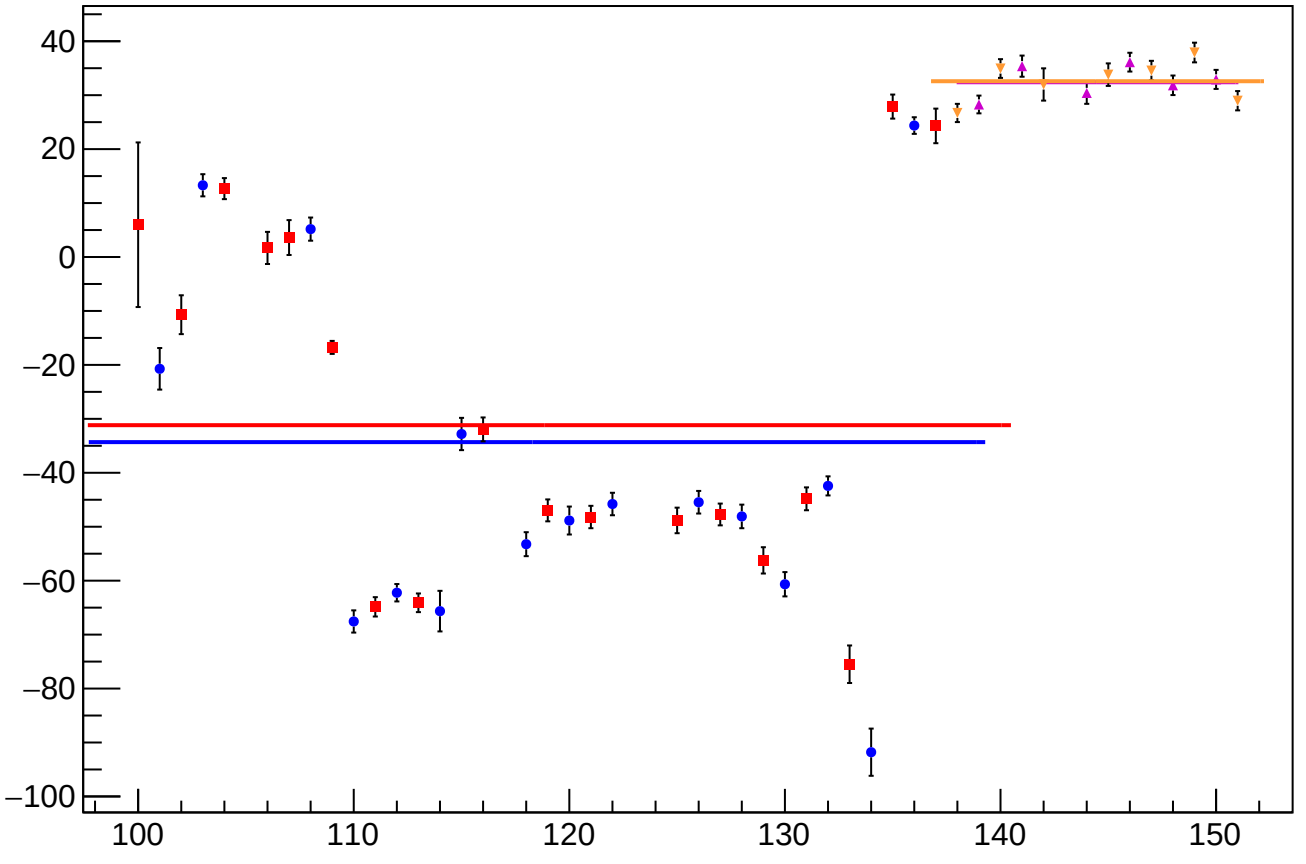
Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

Left In: -19.567+/-0.045 χ^2/NDF:12056.0/5

+ sign -9.441+/-0.036 χ^2/NDF: 336920.9/22

All: -10.307+/-0.026 χ^2/NDF: 609424.2/46

- sign -11.187+/-0.037 χ^2/NDF: 271364.4/23



Right In: -34.315+/-0.548 χ^2/NDF: 3500.2/15

Left Out: 32.585+/-0.718 χ^2/NDF:28.1/6

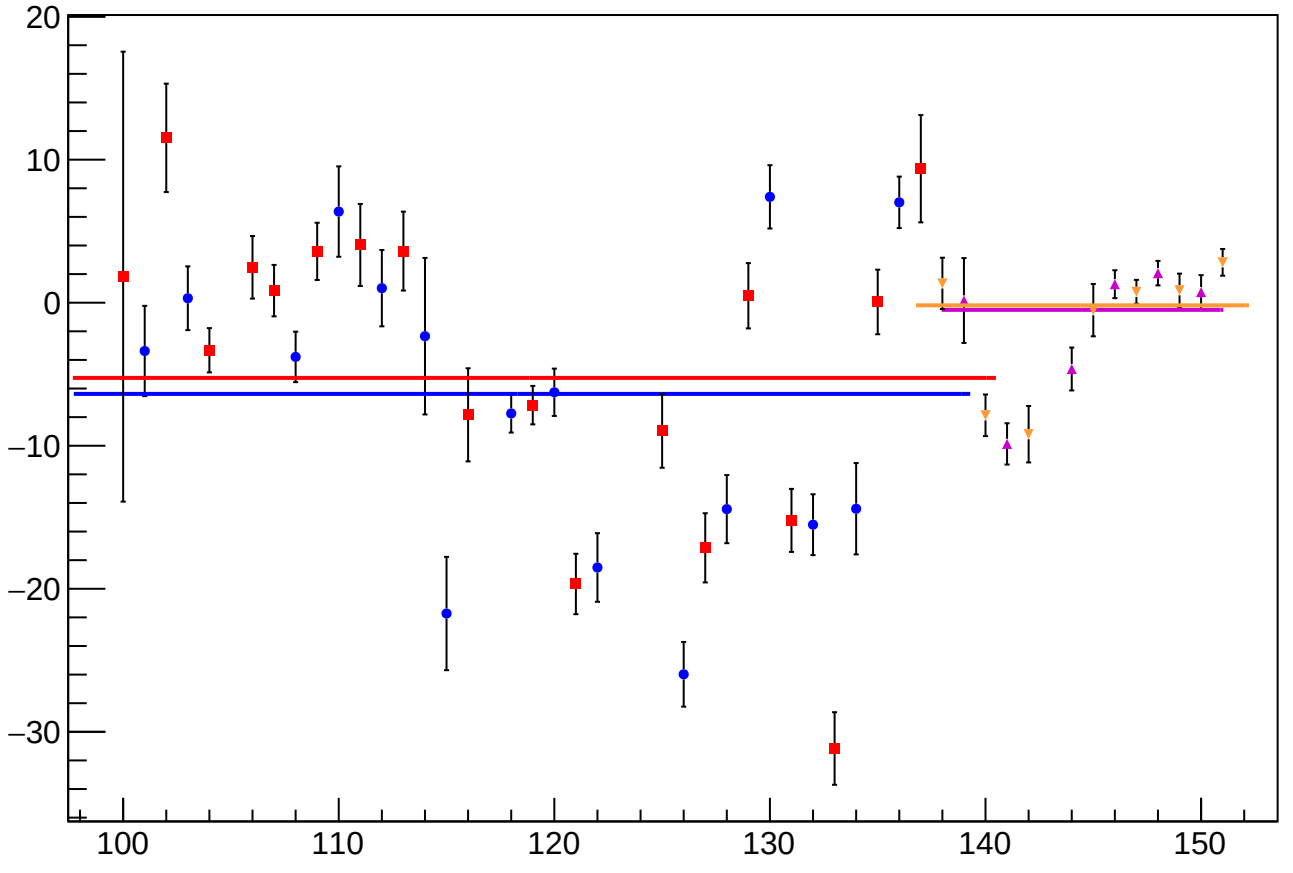
Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 32.396+/-0.740 χ^2/NDF:14.3/5

\+ sign -9.705+/-0.436 χ^2/NDF: 9015.3/22

All: -10.050+/-0.303 χ^2/NDF: 17202.4/46

\- sign -10.375+/-0.423 χ^2/NDF: 8185.9/23



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

Left Out: -0.184+/-0.464 χ^2/NDF:62.0/6

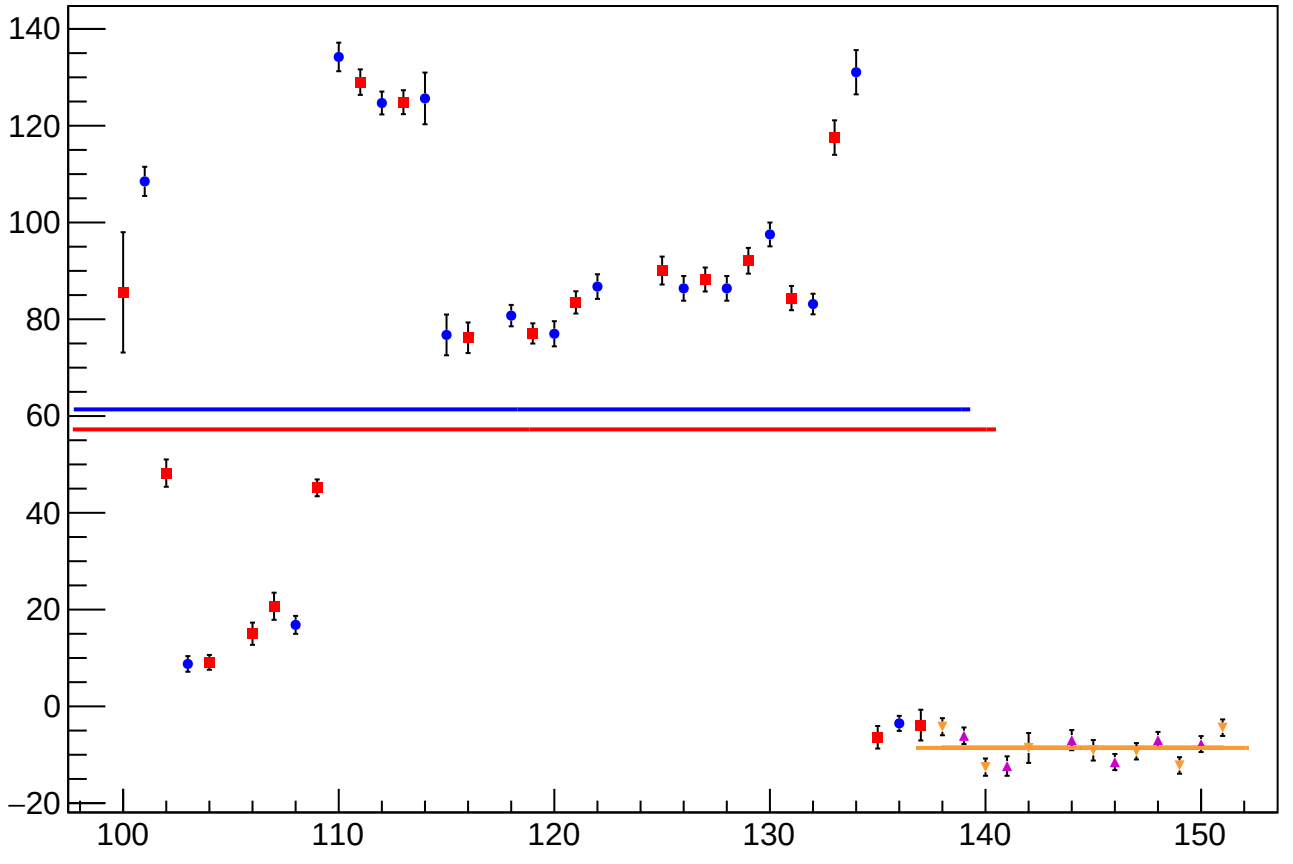
Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

Left In: -0.500+/-0.490 χ^2/NDF:63.3/5

+ sign -2.736+/-0.355 χ^2/NDF: 419.1/22

All: -2.709+/-0.253 χ^2/NDF: 838.6/46

- sign -2.681+/-0.361 χ^2/NDF: 419.4/23



Right In: 61.377+/-0.594 χ^2/NDF: 6066.8/15

Left Out: -8.587+/-0.707 χ^2/NDF:21.8/6

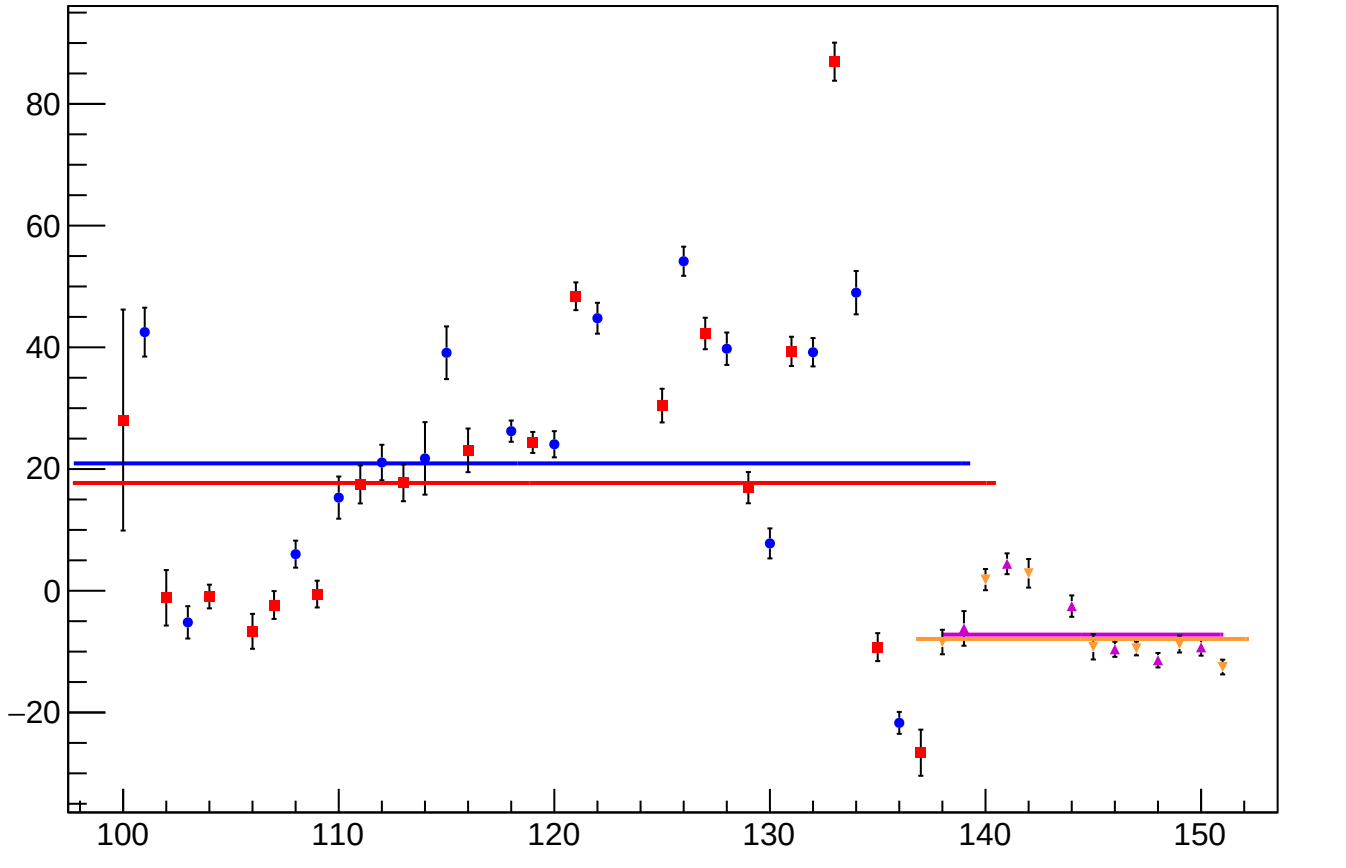
Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: -8.535+/-0.727 χ^2/NDF:10.4/5

+ sign 32.421+/-0.455 χ^2/NDF: 11824.4/22

All: 32.035+/-0.321 χ^2/NDF: 22103.7/46

- sign 31.651+/-0.453 χ^2/NDF: 10277.8/23



Right In: 20.931+/-0.640 χ^2/NDF: 1245.4/15

Left Out: -7.917+/-0.583 χ^2/NDF:69.5/6

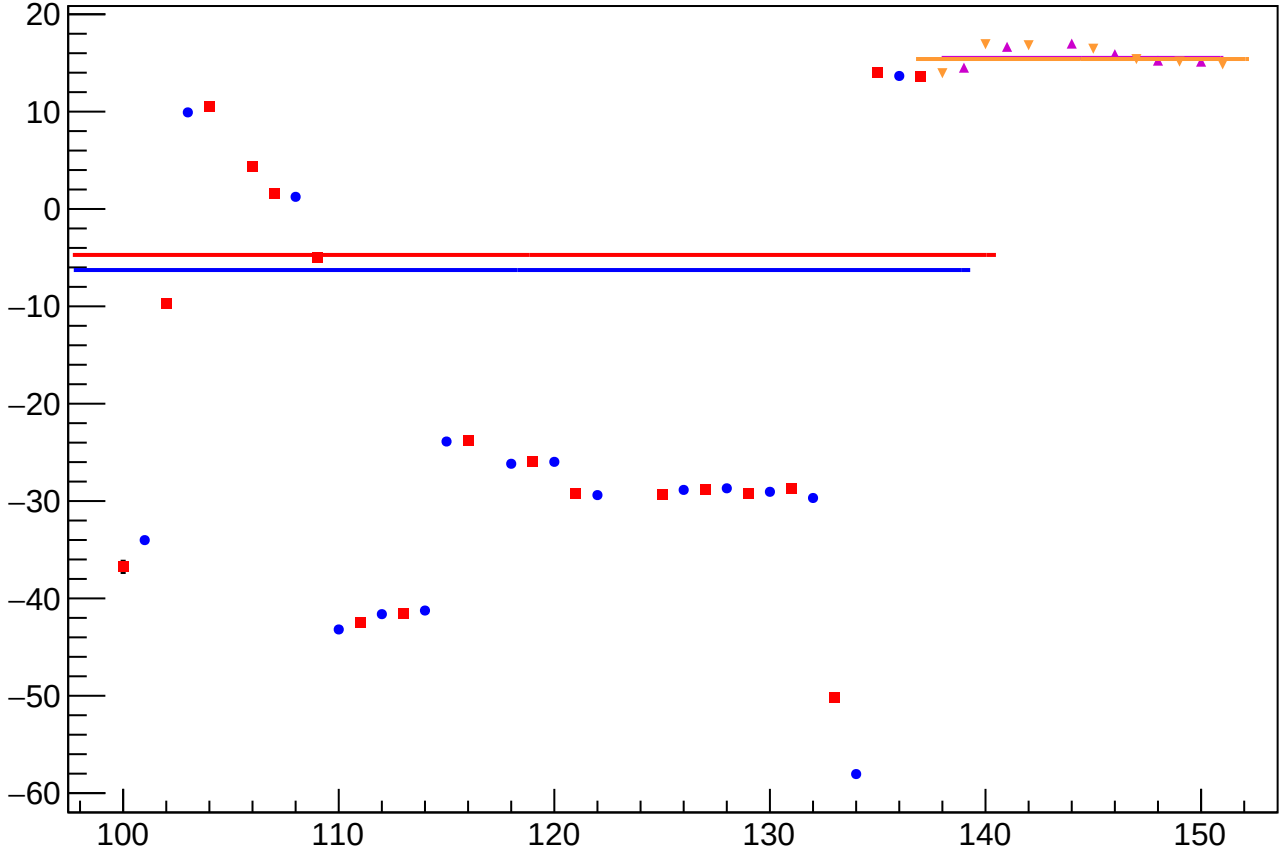
Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

Left In: -7.206+/-0.612 χ^2/NDF:72.1/5

\+ sign 5.156+/-0.431 χ^2/NDF: 2425.5/22

All: 5.139+/-0.306 χ^2/NDF: 4800.6/46

\- sign 5.121+/-0.435 χ^2/NDF: 2375.1/23



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 15.404+/-0.029 χ^2/NDF:1183.5/6

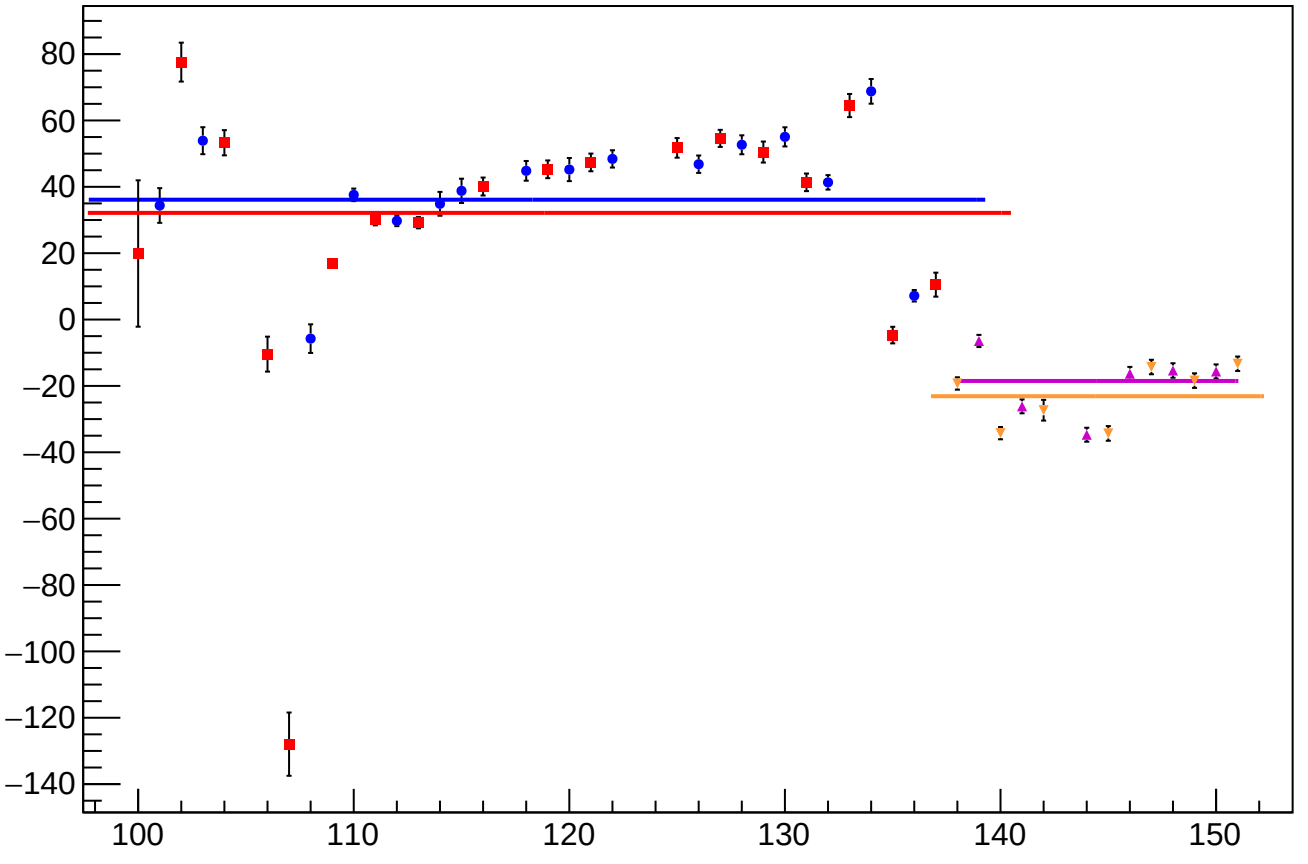
Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 15.519+/-0.029 χ^2/NDF:789.0/5

+ sign 6.028+/-0.022 χ^2/NDF: 650381.8/22

All: 6.409+/-0.016 χ^2/NDF: 1163787.2/46

- sign 6.795+/-0.022 χ^2/NDF: 512800.2/23



Right In: 36.118+/-0.656 χ^2/NDF: 622.8/15

Left Out: -23.102+/-0.813 χ^2/NDF:108.8/6

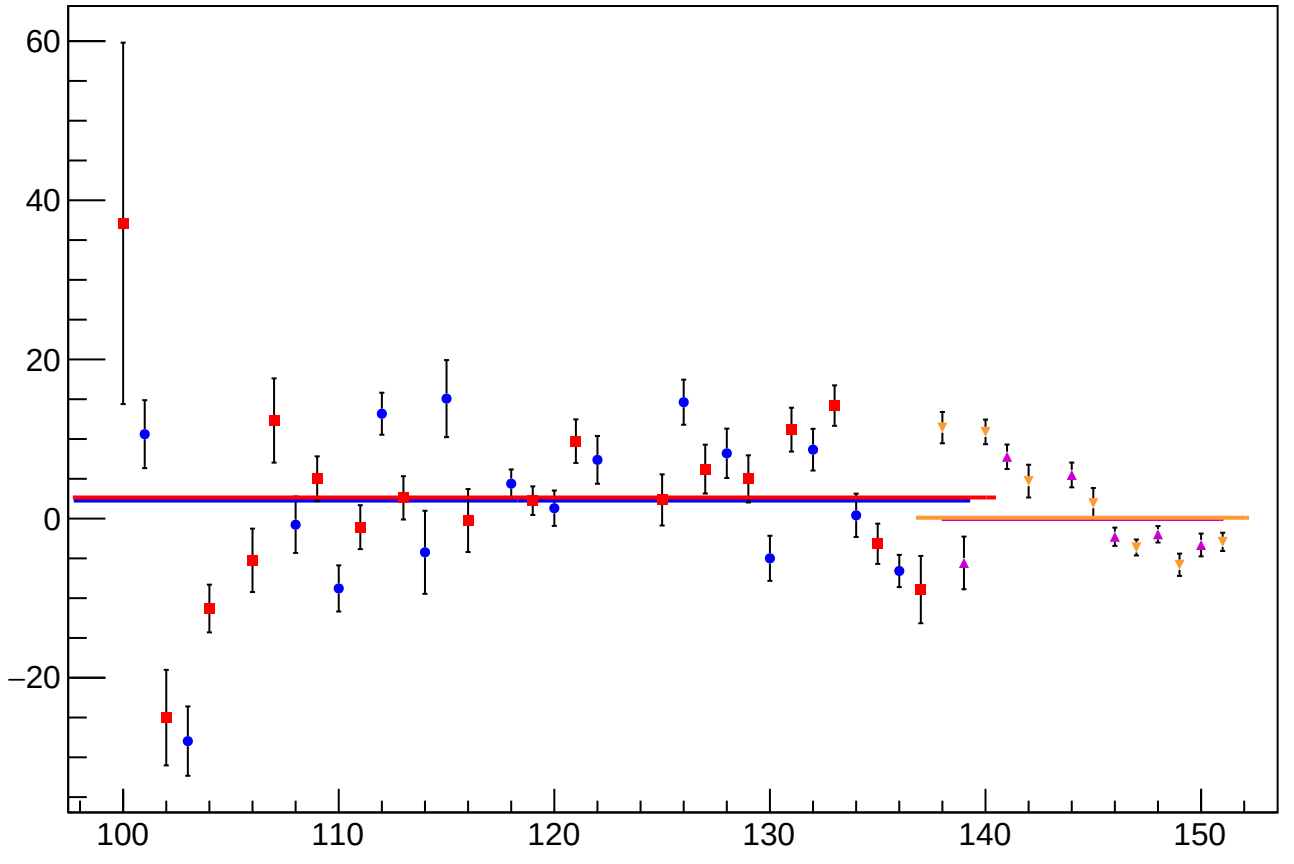
Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

Left In: -18.506+/-0.838 χ^2/NDF:120.9/5

\+ sign 12.752+/-0.511 χ^2/NDF: 3943.0/22

All: 13.305+/-0.359 χ^2/NDF: 7512.6/46

\- sign 13.844+/-0.504 χ^2/NDF: 3567.3/23



Right In: 2.265+/-0.701 χ^2/NDF: 152.0/15

Left Out: 0.106+/-0.539 χ^2/NDF:126.1/6

Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

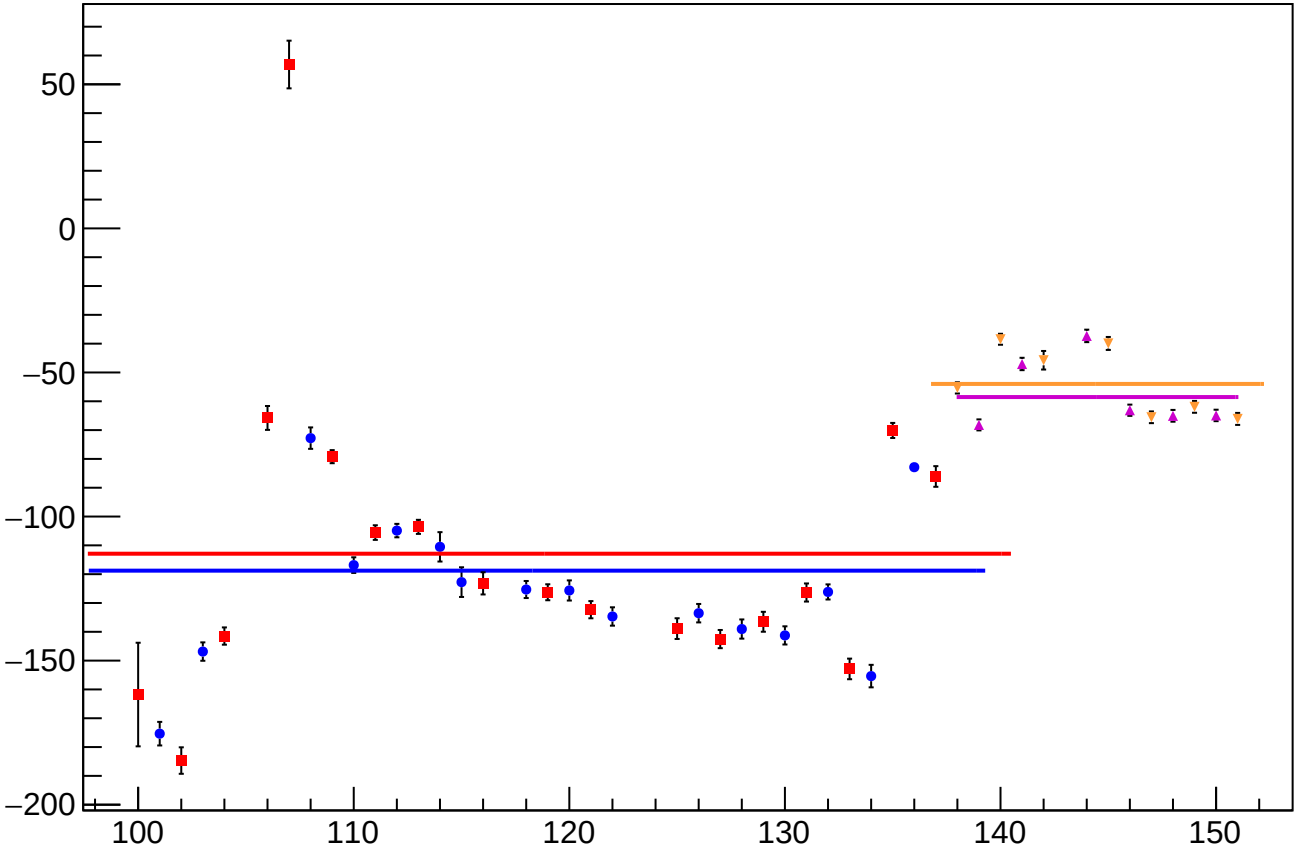
Left In: -0.052+/-0.567 χ^2/NDF:53.7/5

+ sign 0.907+/-0.427 χ^2/NDF: 284.1/22

All: 0.948+/-0.308 χ^2/NDF: 453.8/46

- sign 0.991+/-0.444 χ^2/NDF: 169.7/23

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -53.978+/-0.805 χ^2/NDF:193.5/6

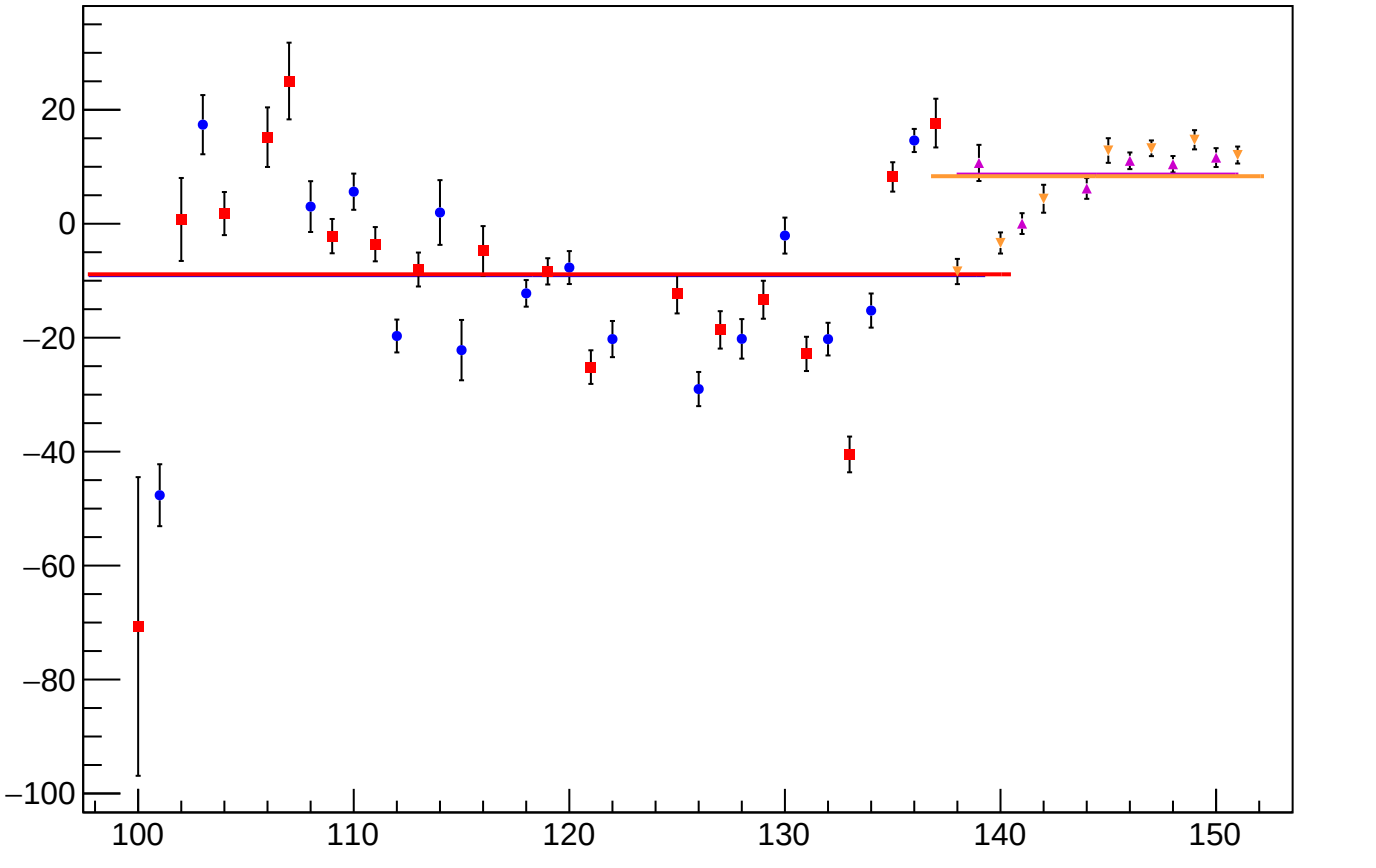
Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -58.533+/-0.828 χ^2/NDF:176.0/5

\+ sign -88.394+/-0.552 χ^2/NDF: 4750.4/22

All: -88.205+/-0.393 χ^2/NDF: 9126.3/46

\- sign -88.010+/-0.560 χ^2/NDF: 4375.6/23



Right In: -9.022+/-0.796 χ^2/NDF: 358.0/15

Left Out: 8.342+/-0.673 χ^2/NDF:137.3/6

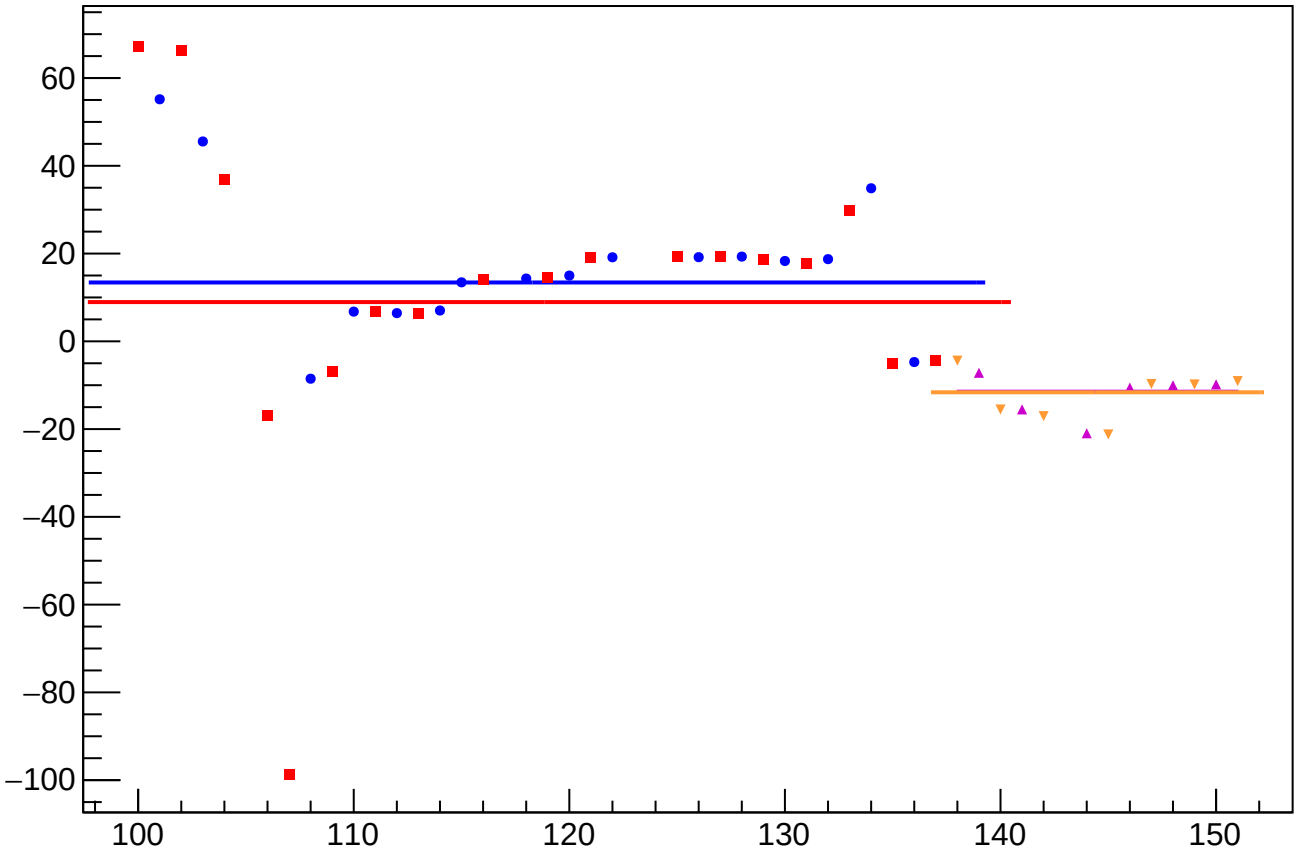
Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 8.625+/-0.704 χ^2/NDF:32.0/5

\+ sign 1.097+/-0.514 χ^2/NDF: 772.9/22

All: 1.098+/-0.369 χ^2/NDF: 1389.5/46

\- sign 1.100+/-0.531 χ^2/NDF: 616.6/23



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -11.612+/-0.033 χ^2/NDF:26280.2/6

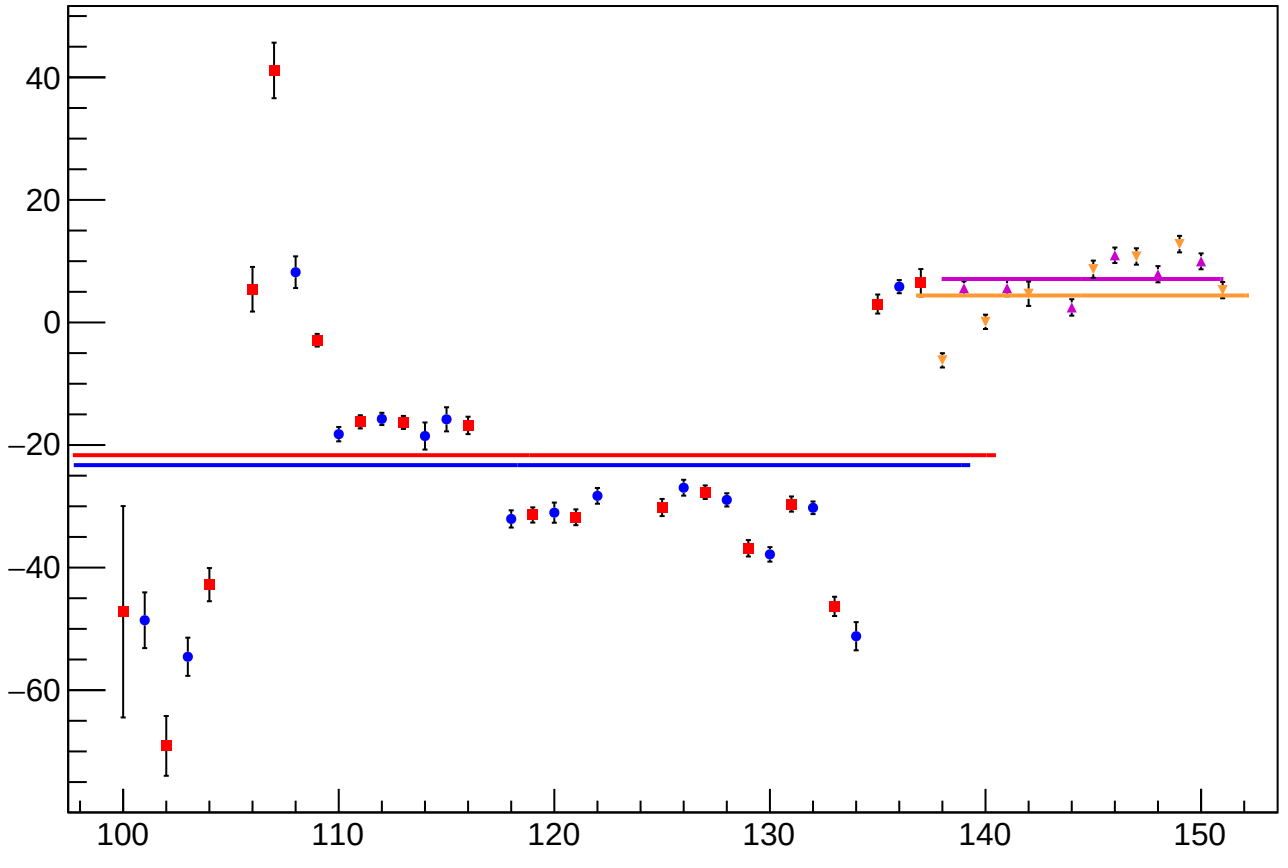
Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -11.479+/-0.033 χ^2/NDF:16550.4/5

+ sign -2.851+/-0.027 χ^2/NDF: 408470.0/22

All: -3.754+/-0.019 χ^2/NDF: 842411.2/46

- sign -4.693+/-0.027 χ^2/NDF: 431626.0/23



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: 4.402+/-0.506 χ^2/NDF:167.0/6

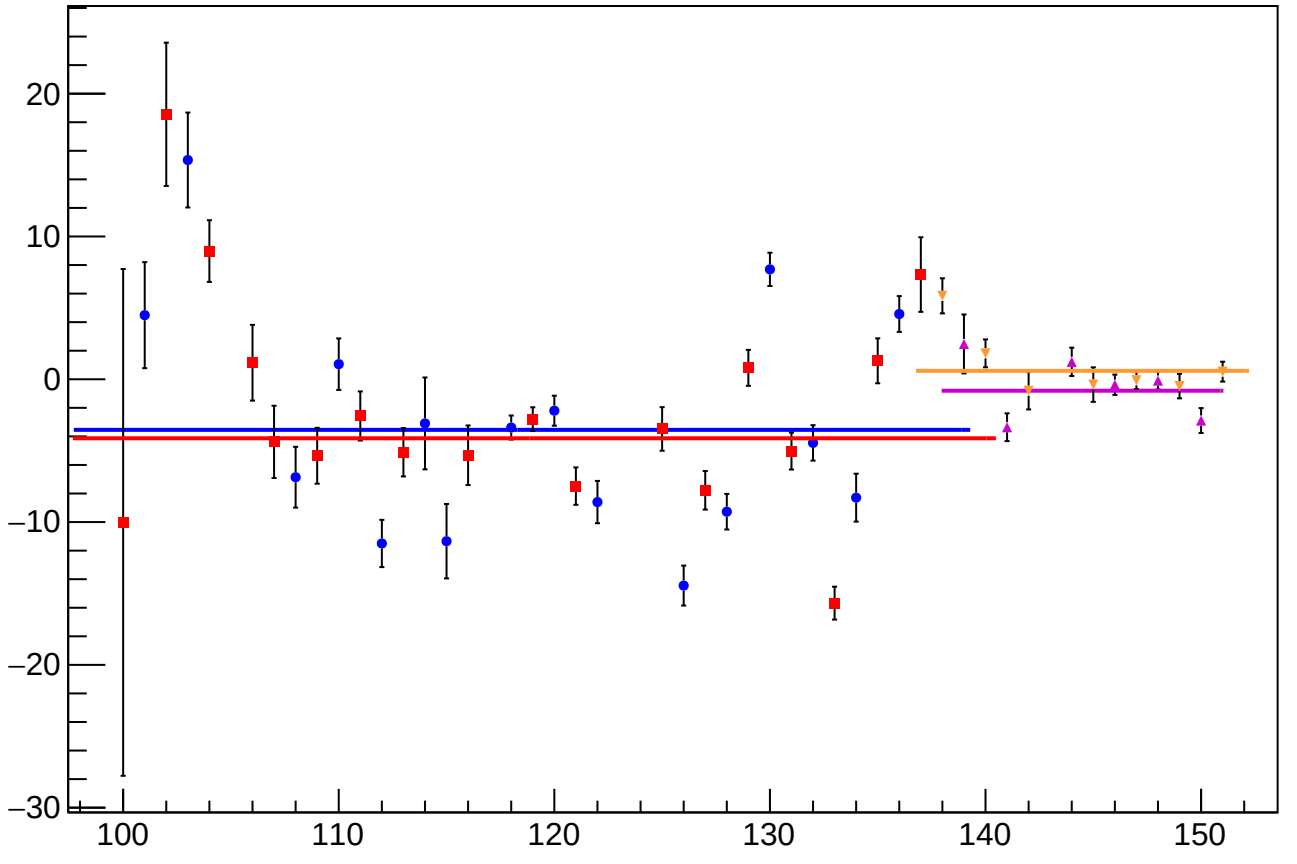
Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: 7.091+/-0.521 χ^2/NDF:29.6/5

+ sign -14.303+/-0.288 χ^2/NDF: 3759.1/22

All: -13.563+/-0.204 χ^2/NDF: 7722.8/46

- sign -12.818+/-0.289 χ^2/NDF: 3950.4/23



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 0.591+/-0.333 χ^2/NDF:24.3/6

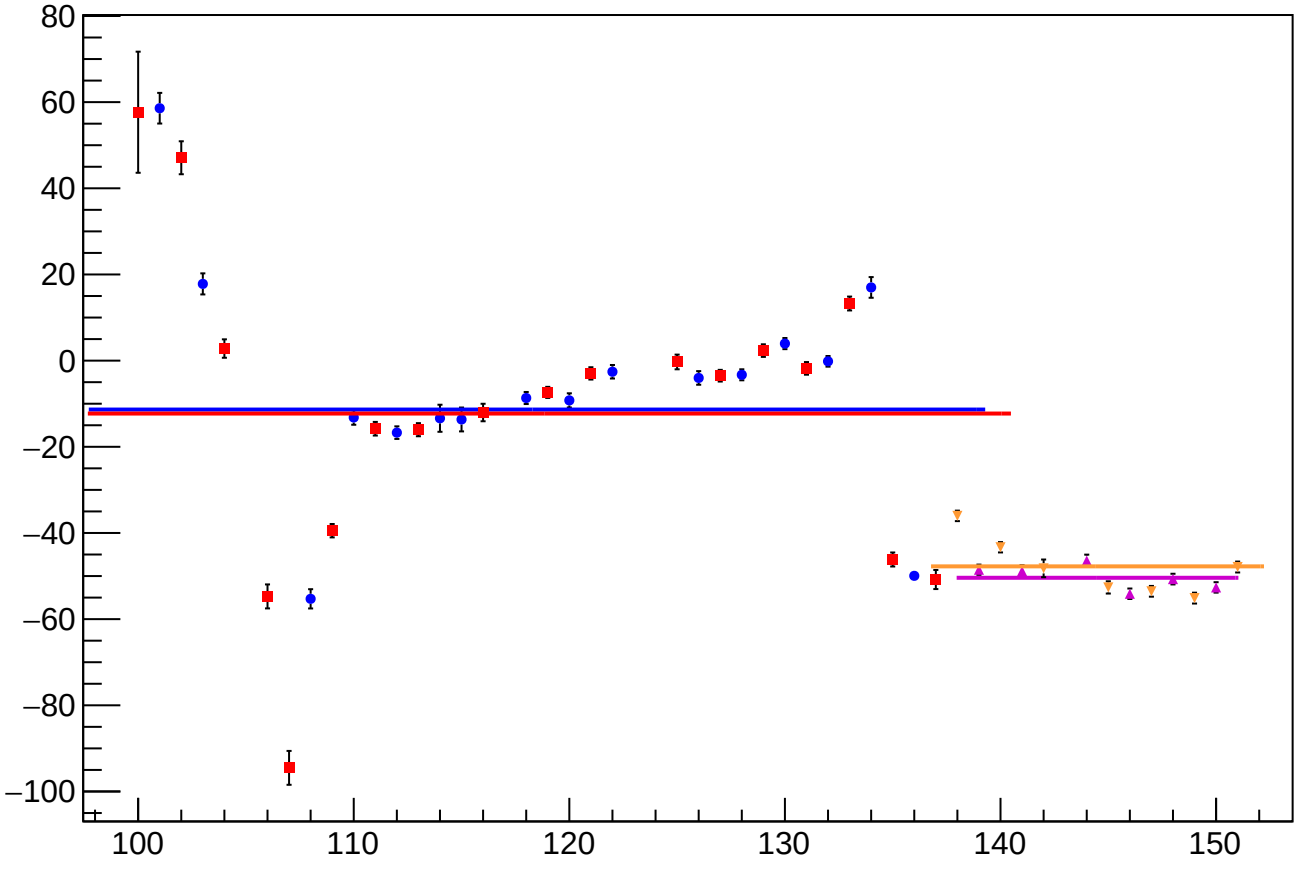
Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: -0.801+/-0.350 χ^2/NDF:20.9/5

+ sign -1.299+/-0.245 χ^2/NDF: 411.5/22

All: -1.816+/-0.177 χ^2/NDF: 711.8/46

- sign -2.372+/-0.255 χ^2/NDF: 291.1/23



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -47.751+/-0.500 χ^2/NDF:173.7/6

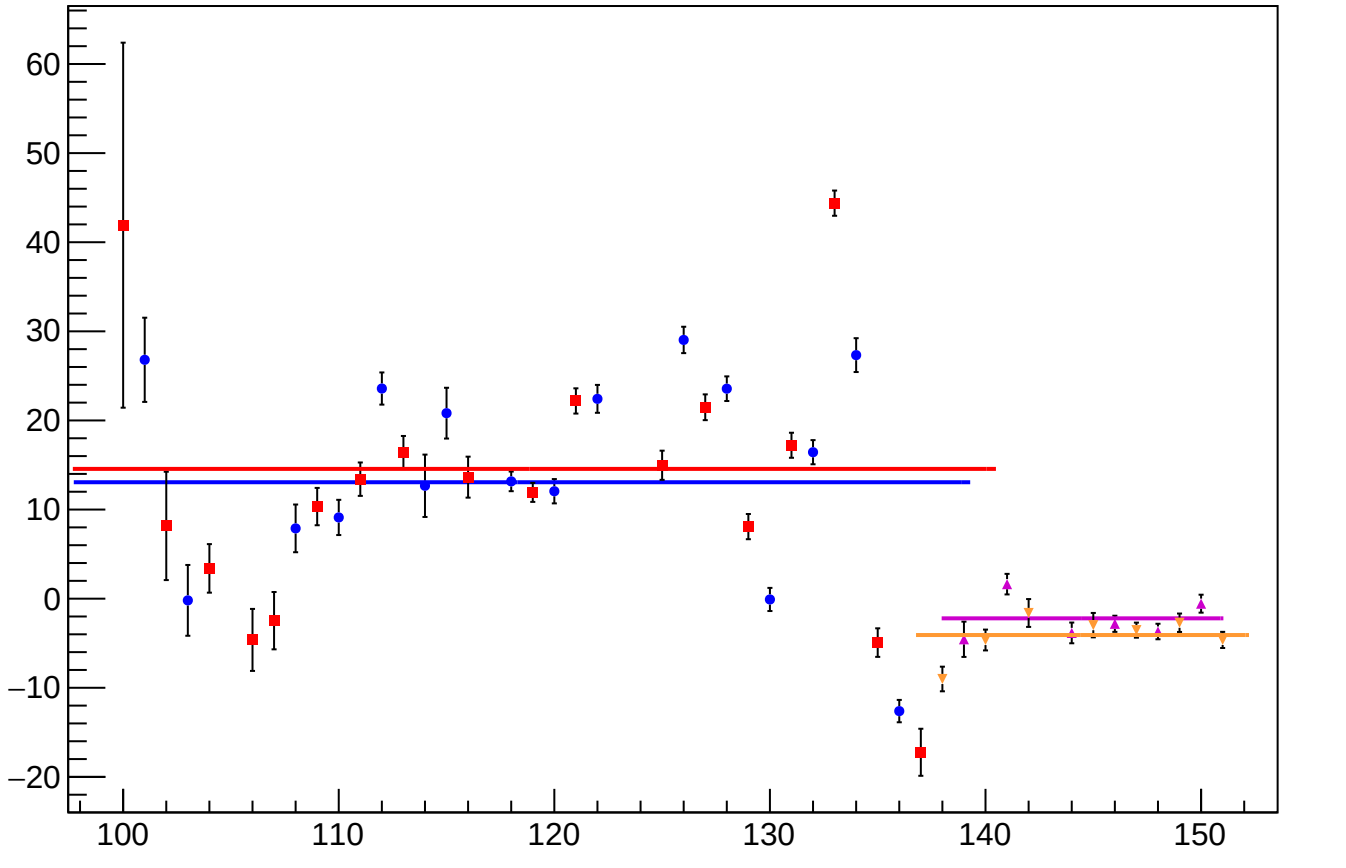
Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: -50.401+/-0.514 χ^2/NDF:24.9/5

\+ sign -25.792+/-0.315 χ^2/NDF: 6028.1/22

All: -26.501+/-0.225 χ^2/NDF: 11994.7/46

\- sign -27.241+/-0.322 χ^2/NDF: 5956.3/23



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -4.080+/-0.417 χ^2/NDF:18.7/6

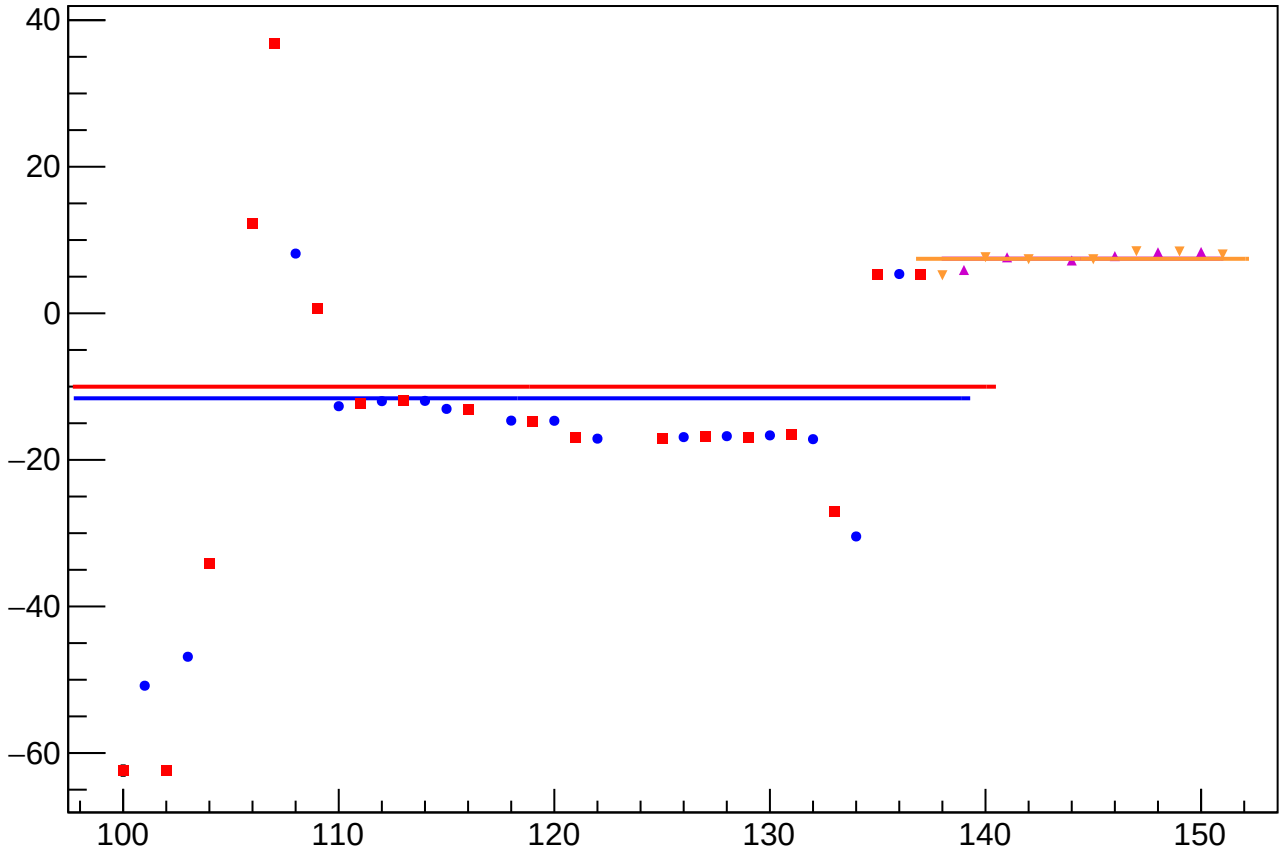
Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -2.208+/-0.436 χ^2/NDF:20.5/5

+ sign 4.534+/-0.294 χ^2/NDF: 1732.6/22

All: 5.454+/-0.211 χ^2/NDF: 3440.3/46

- sign 6.432+/-0.303 χ^2/NDF: 1687.5/23



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 7.440+/-0.021 χ^2/NDF:3060.6/6

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

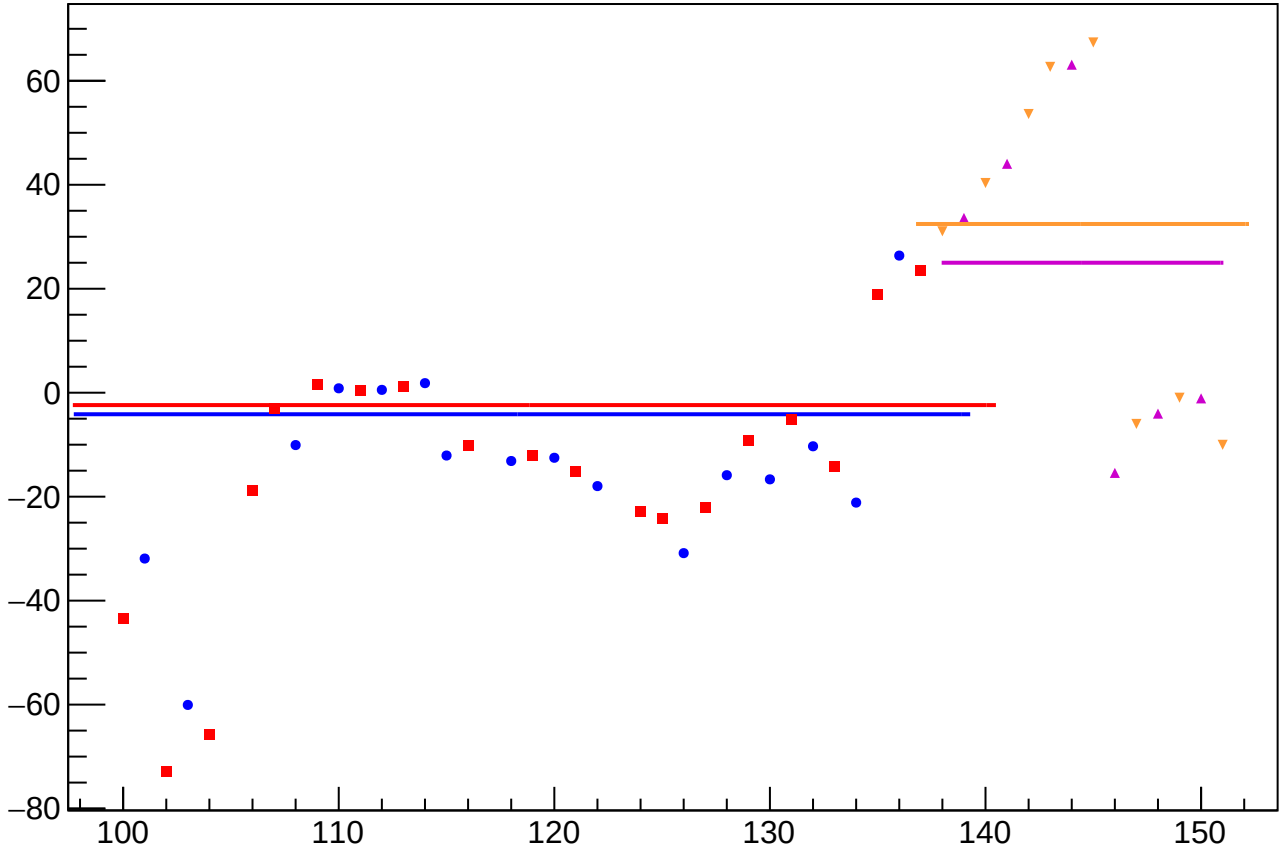
Left In: 7.459+/-0.021 χ^2/NDF:2037.8/5

+ sign 0.184+/-0.016 χ^2/NDF: 687524.3/22

All: 0.637+/-0.012 χ^2/NDF: 1345318.5/46

- sign 1.107+/-0.017 χ^2/NDF: 656210.7/23

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 32.457+/-0.100 χ^2/NDF:62046.7/7

Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

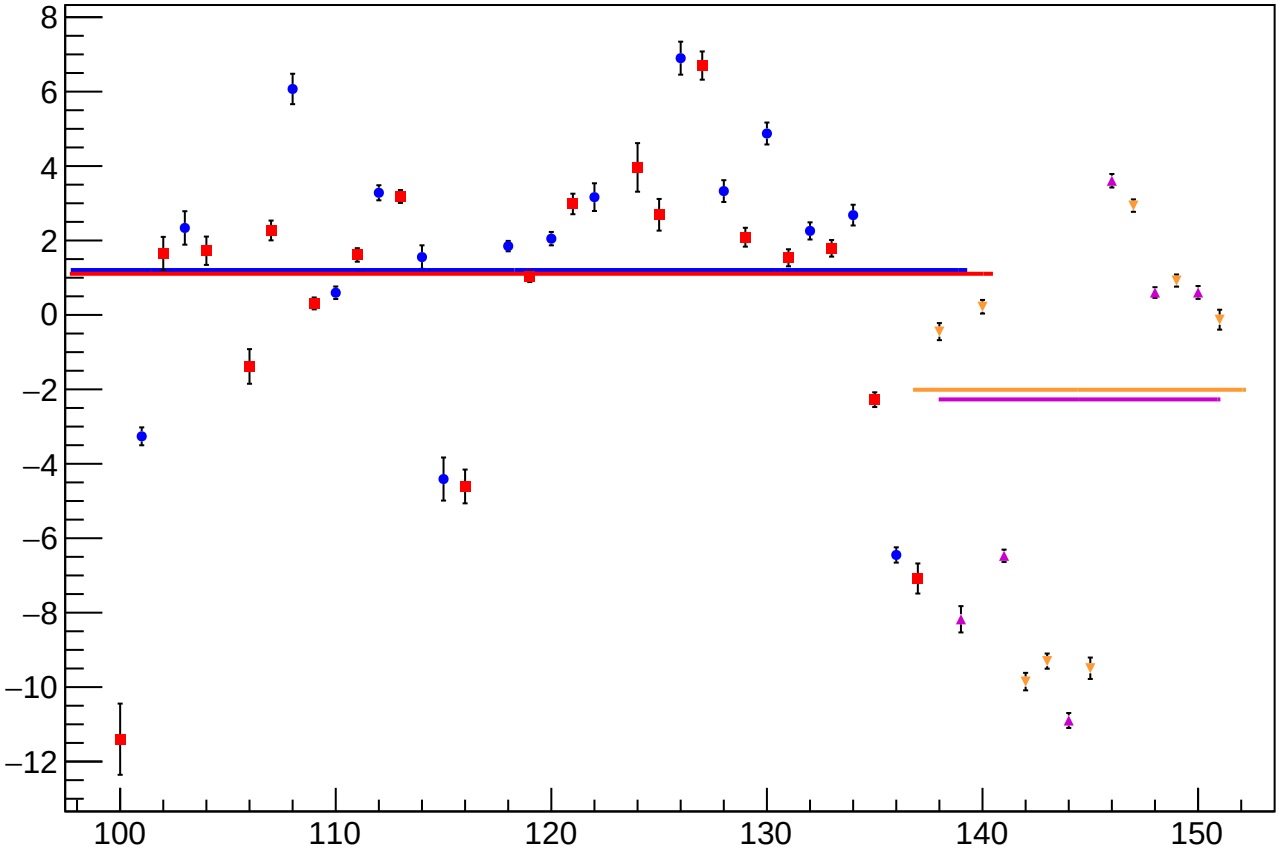
Left In: 25.002+/-0.103 χ^2/NDF:64097.5/5

+ sign 4.332+/-0.048 χ^2/NDF: 241091.2/23

All: 3.144+/-0.032 χ^2/NDF: 446334.9/48

- sign 2.228+/-0.042 χ^2/NDF: 204154.9/24

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/15

Left Out: -2.010+/-0.073 χ^2/NDF:4514.0/7

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

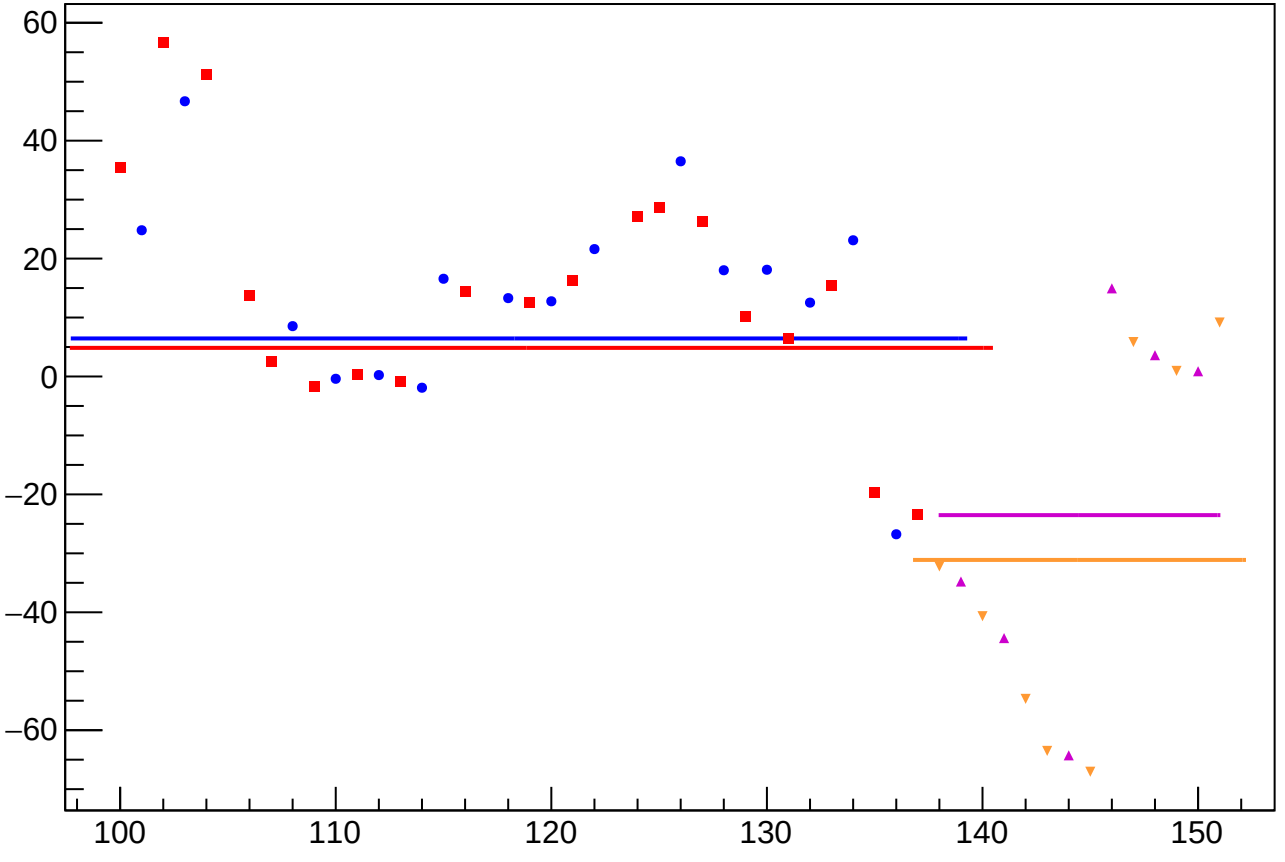
Left In: -2.270+/-0.074 χ^2/NDF:4484.9/5

+ sign -0.112+/-0.046 χ^2/NDF: 8259.5/23

All: -0.133+/-0.032 χ^2/NDF: 15628.8/48

- sign -0.152+/-0.045 χ^2/NDF: 7368.9/24

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -31.117+/-0.100 χ^2/NDF:65777.3/7

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

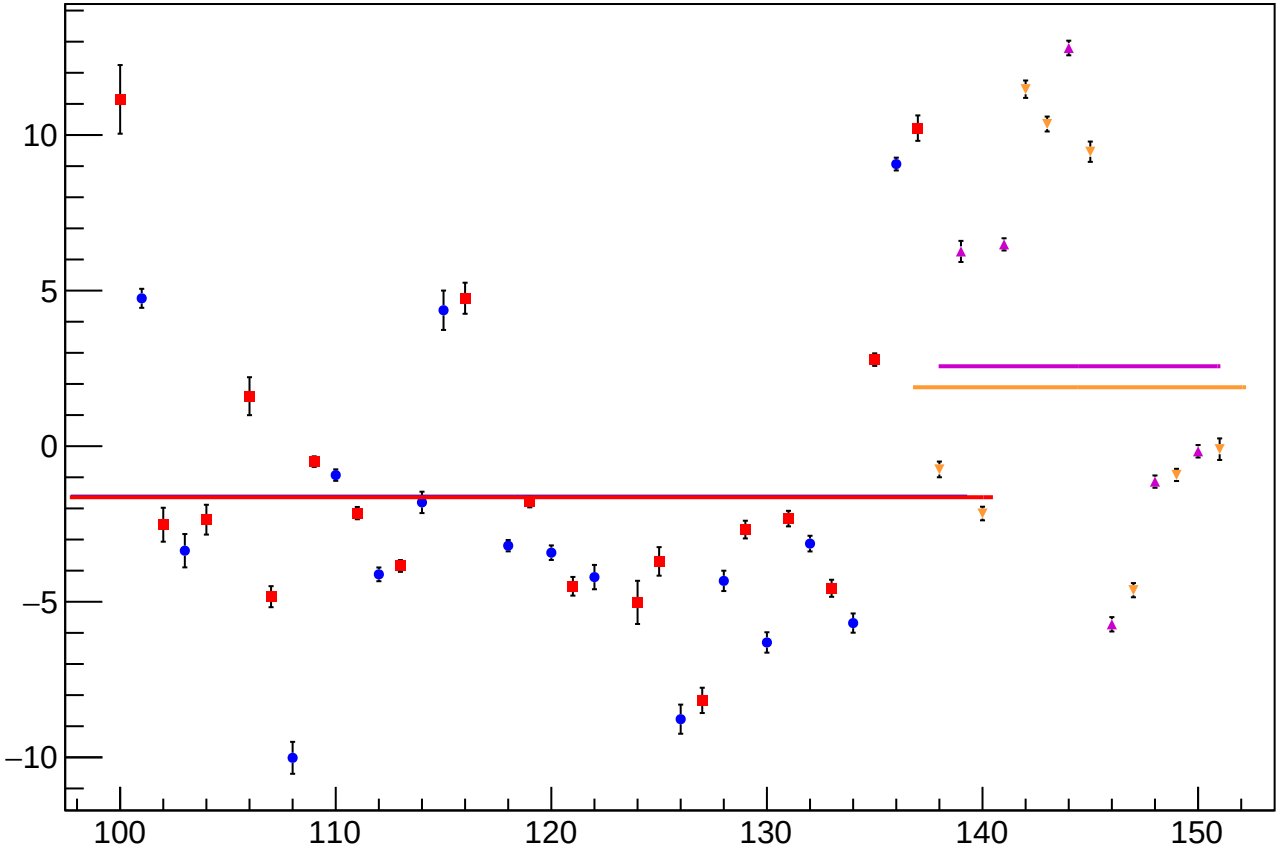
Left In: -23.518+/-0.102 χ^2/NDF:67606.0/5

+ sign -4.746+/-0.055 χ^2/NDF: 235383.0/23

All: -3.433+/-0.037 χ^2/NDF: 437193.6/48

- sign -2.282+/-0.051 χ^2/NDF: 200727.3/24

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: 1.894+/-0.088 χ^2/NDF:4461.4/7

Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

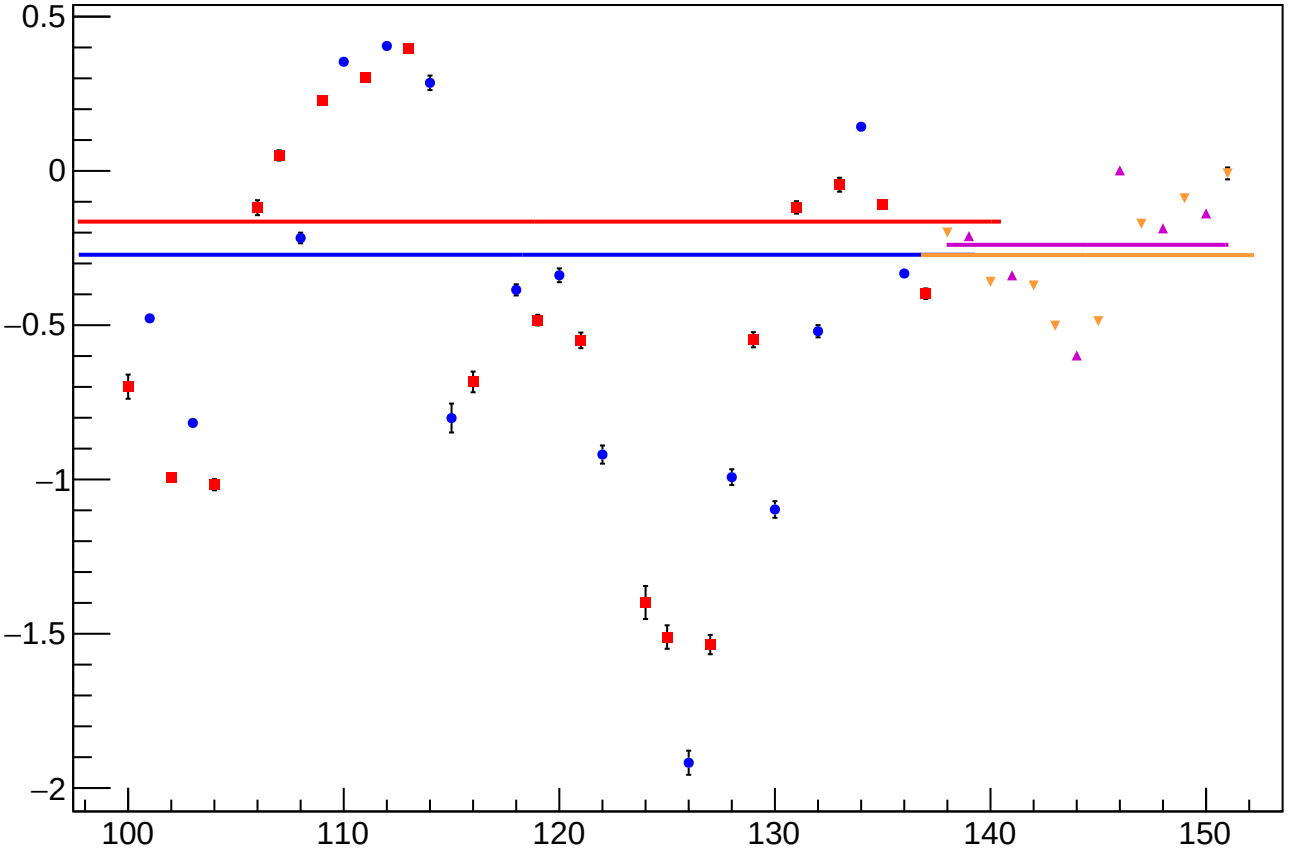
Left In: 2.569+/-0.091 χ^2/NDF:4227.7/5

+ sign -0.267+/-0.055 χ^2/NDF: 9970.1/23

All: -0.244+/-0.038 χ^2/NDF: 18091.7/48

- sign -0.223+/-0.053 χ^2/NDF: 8121.2/24

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.273+/-0.004 χ^2/NDF:1385.0/7

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

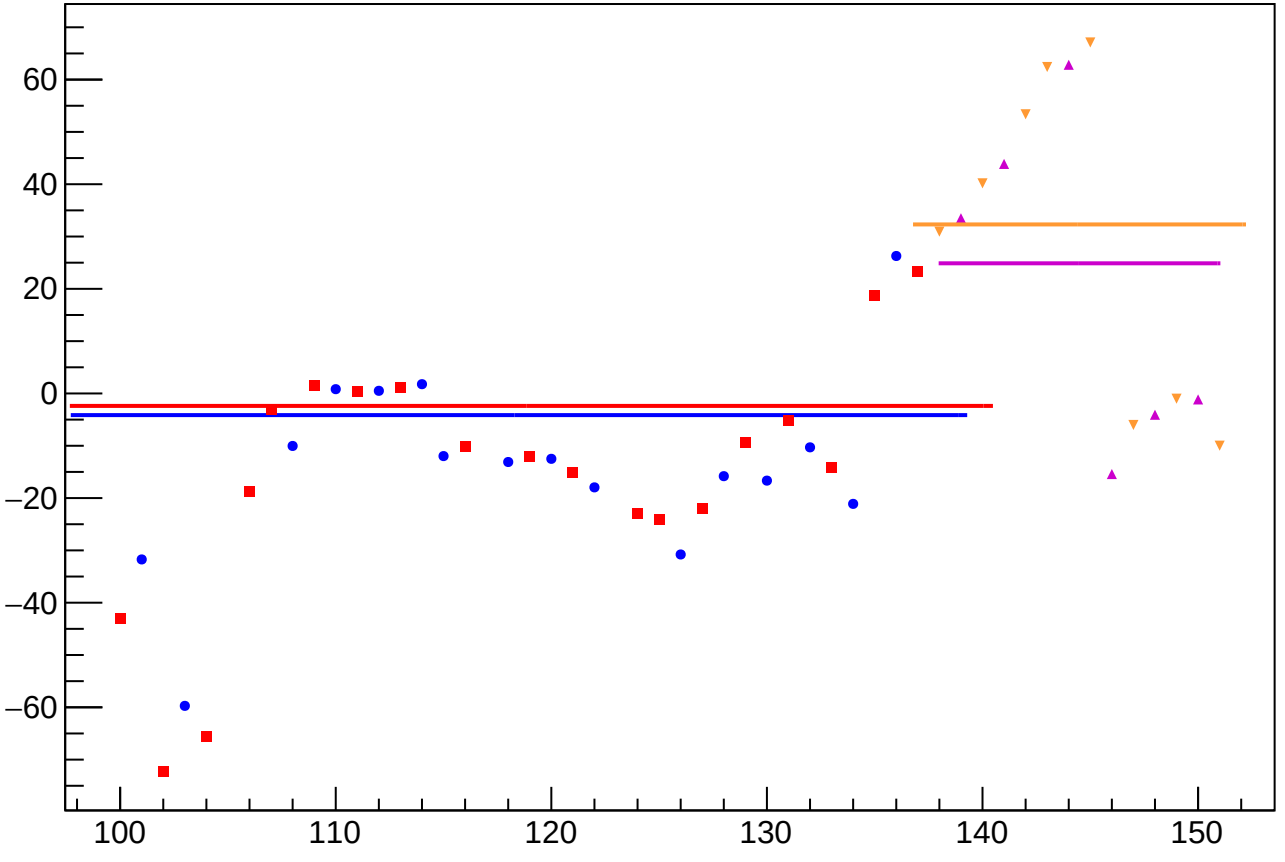
Left In: -0.240+/-0.004 χ^2/NDF:1398.4/5

+ sign -0.272+/-0.003 χ^2/NDF: 13433.2/23

All: -0.234+/-0.002 χ^2/NDF: 30838.3/48

- sign -0.199+/-0.003 χ^2/NDF: 17078.5/24

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 32.312+/-0.099 χ^2/NDF:62011.0/7

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

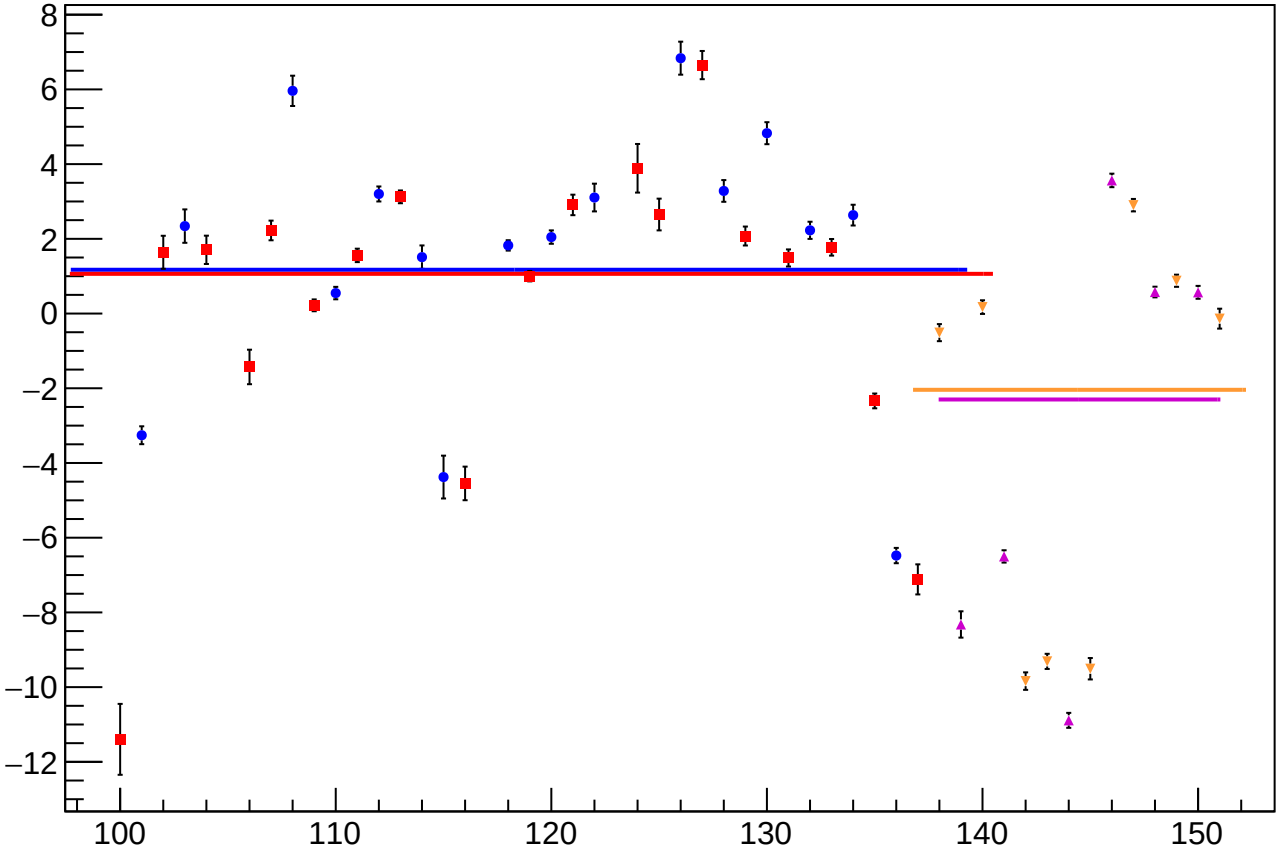
Left In: 24.880+/-0.102 χ^2/NDF:64129.9/5

+ sign 4.266+/-0.048 χ^2/NDF: 240992.0/23

All: 3.090+/-0.031 χ^2/NDF: 446077.8/48

- sign 2.184+/-0.042 χ^2/NDF: 204007.9/24

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: -2.041+/-0.072 χ^2/NDF:4513.9/7

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

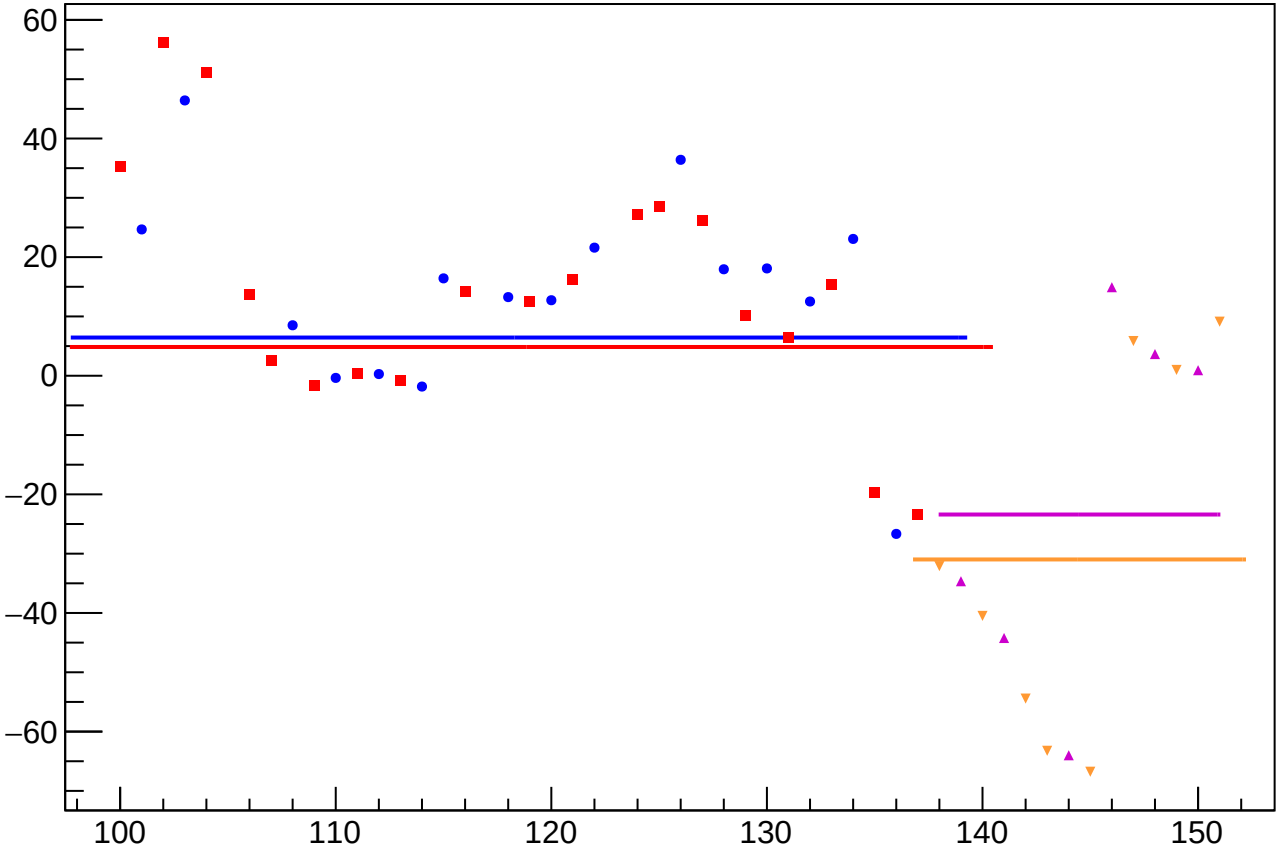
Left In: -2.300+/-0.074 χ^2/NDF:4504.7/5

+ sign -0.142+/-0.046 χ^2/NDF: 8266.8/23

All: -0.165+/-0.032 χ^2/NDF: 15665.8/48

- sign -0.188+/-0.045 χ^2/NDF: 7398.4/24

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -30.976+/-0.100 χ^2/NDF:65735.1/7

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

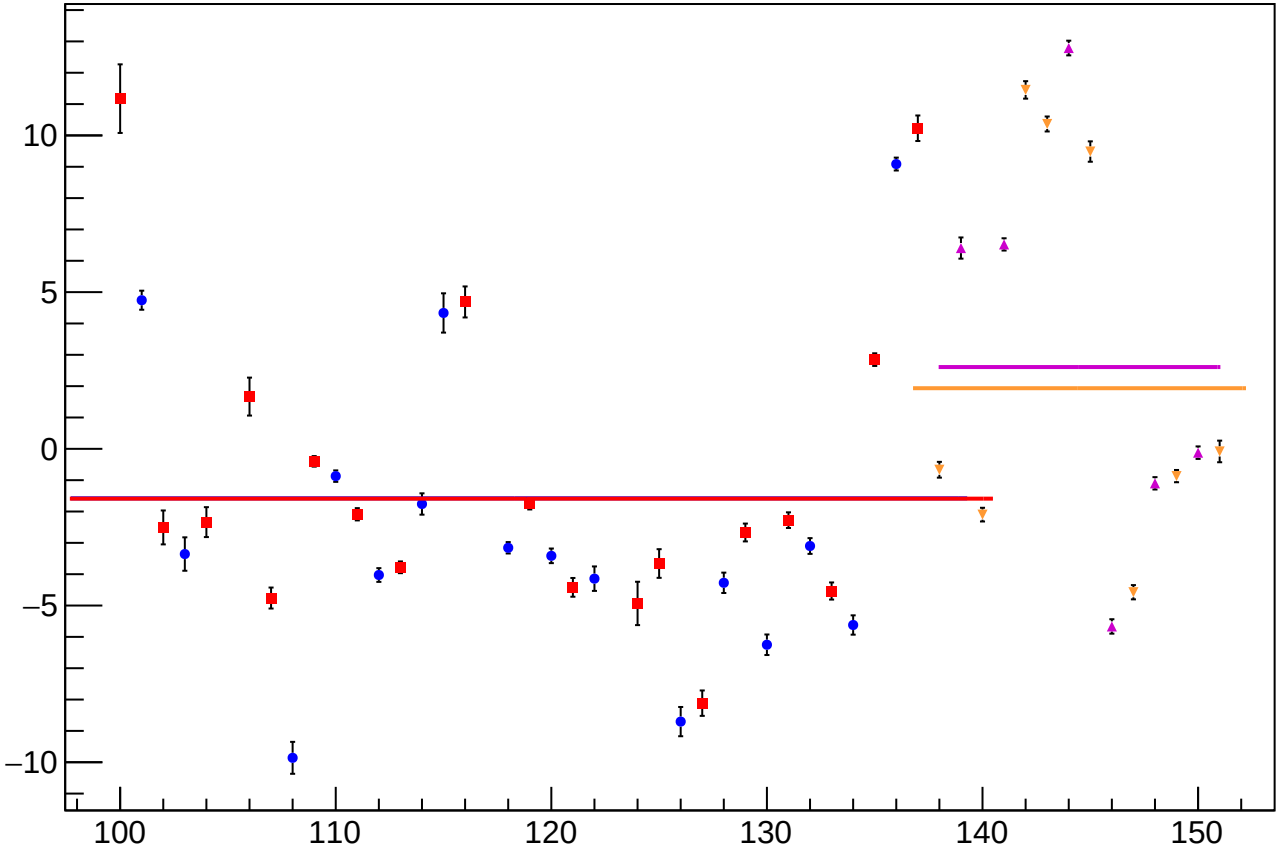
Left In: -23.399+/-0.102 χ^2/NDF:67628.4/5

\+ sign -4.676+/-0.054 χ^2/NDF: 235278.0/23

All: -3.373+/-0.037 χ^2/NDF: 436930.9/48

\- sign -2.230+/-0.051 χ^2/NDF: 200574.7/24

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: 1.934+/-0.088 χ^2/NDF:4454.9/7

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

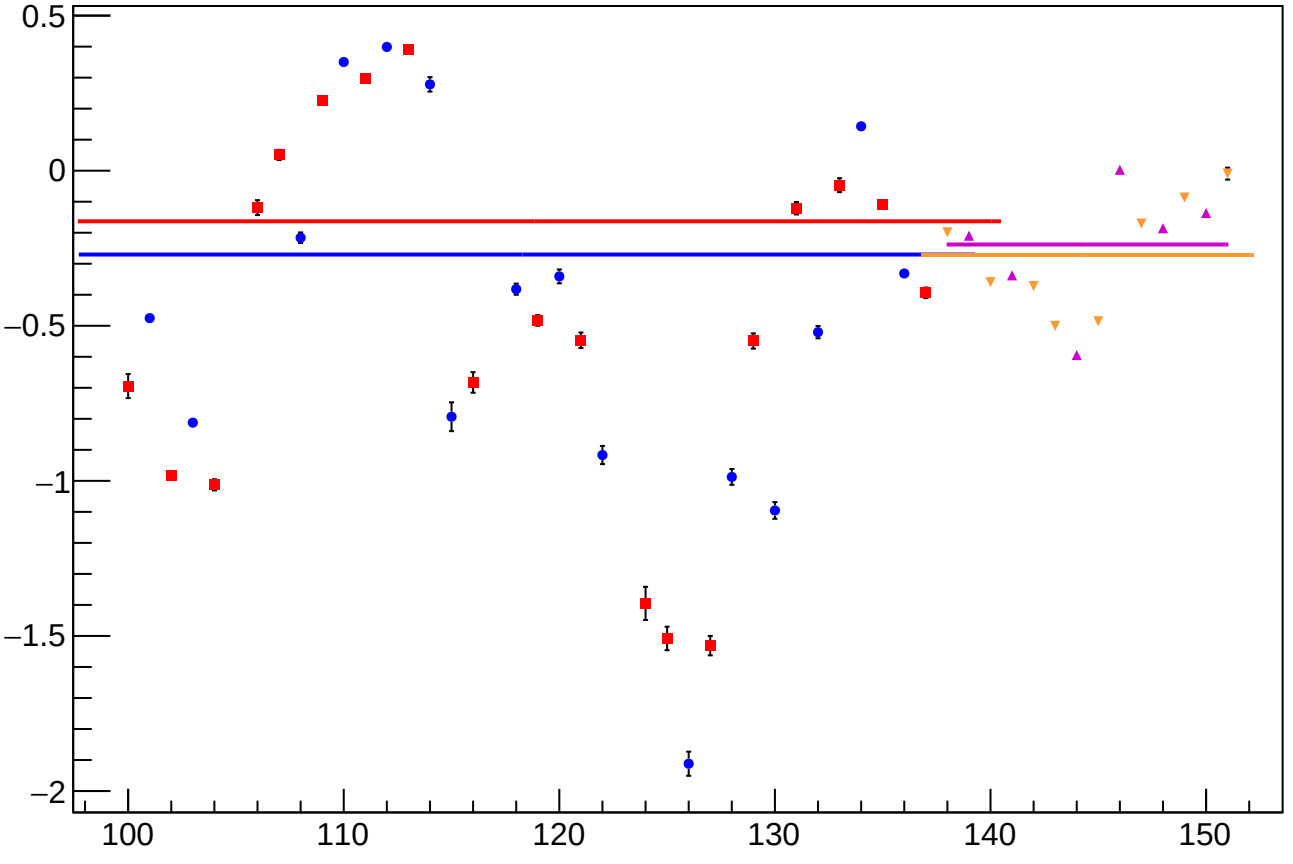
Left In: 2.610+/-0.090 χ^2/NDF:4239.3/5

+ sign -0.229+/-0.054 χ^2/NDF: 9969.9/23

All: -0.203+/-0.038 χ^2/NDF: 18117.4/48

- sign -0.178+/-0.052 χ^2/NDF: 8147.0/24

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.272+/-0.004 χ^2/NDF:1394.6/7

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

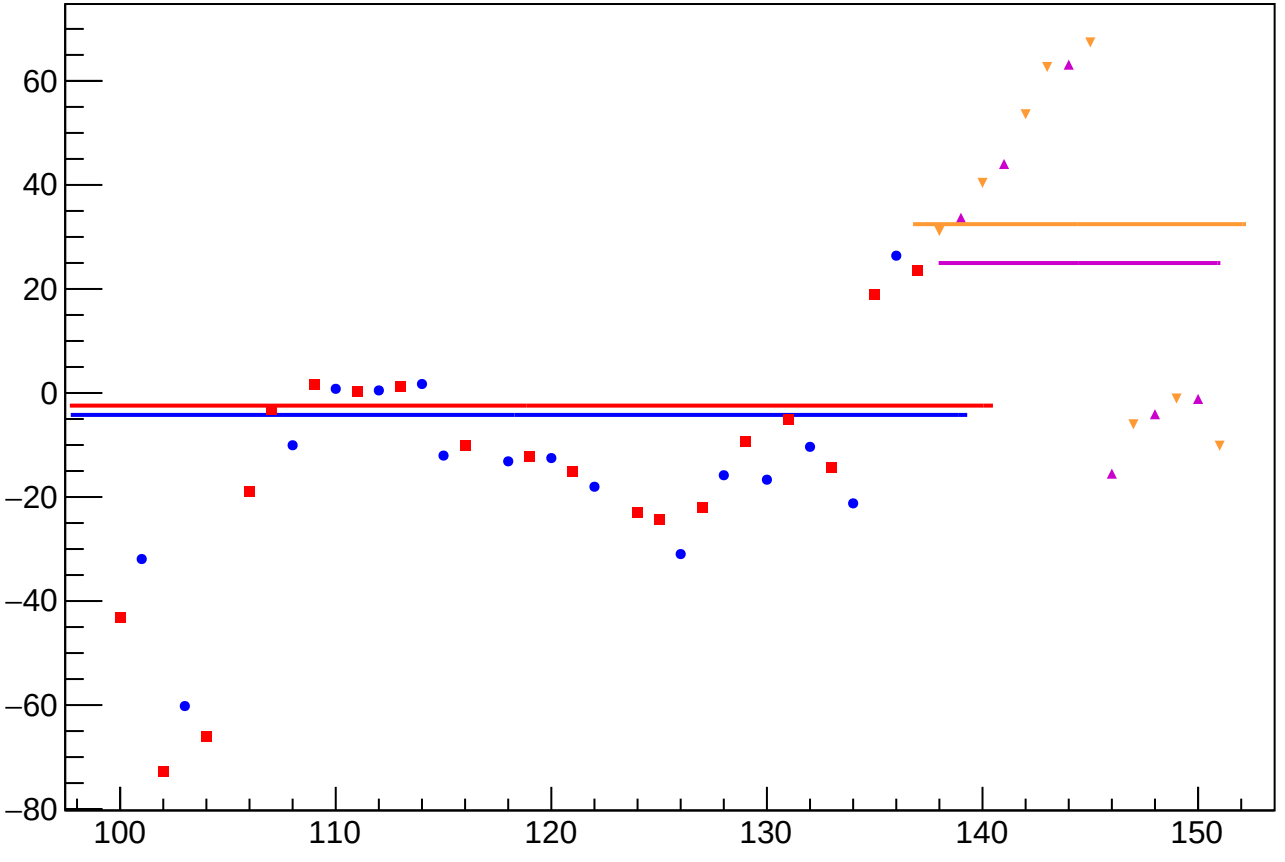
Left In: -0.238+/-0.004 χ^2/NDF:1396.9/5

+ sign -0.271+/-0.003 χ^2/NDF: 13431.0/23

All: -0.233+/-0.002 χ^2/NDF: 30852.2/48

- sign -0.198+/-0.003 χ^2/NDF: 17089.7/24

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 32.460+/-0.100 χ^2/NDF:62159.4/7

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

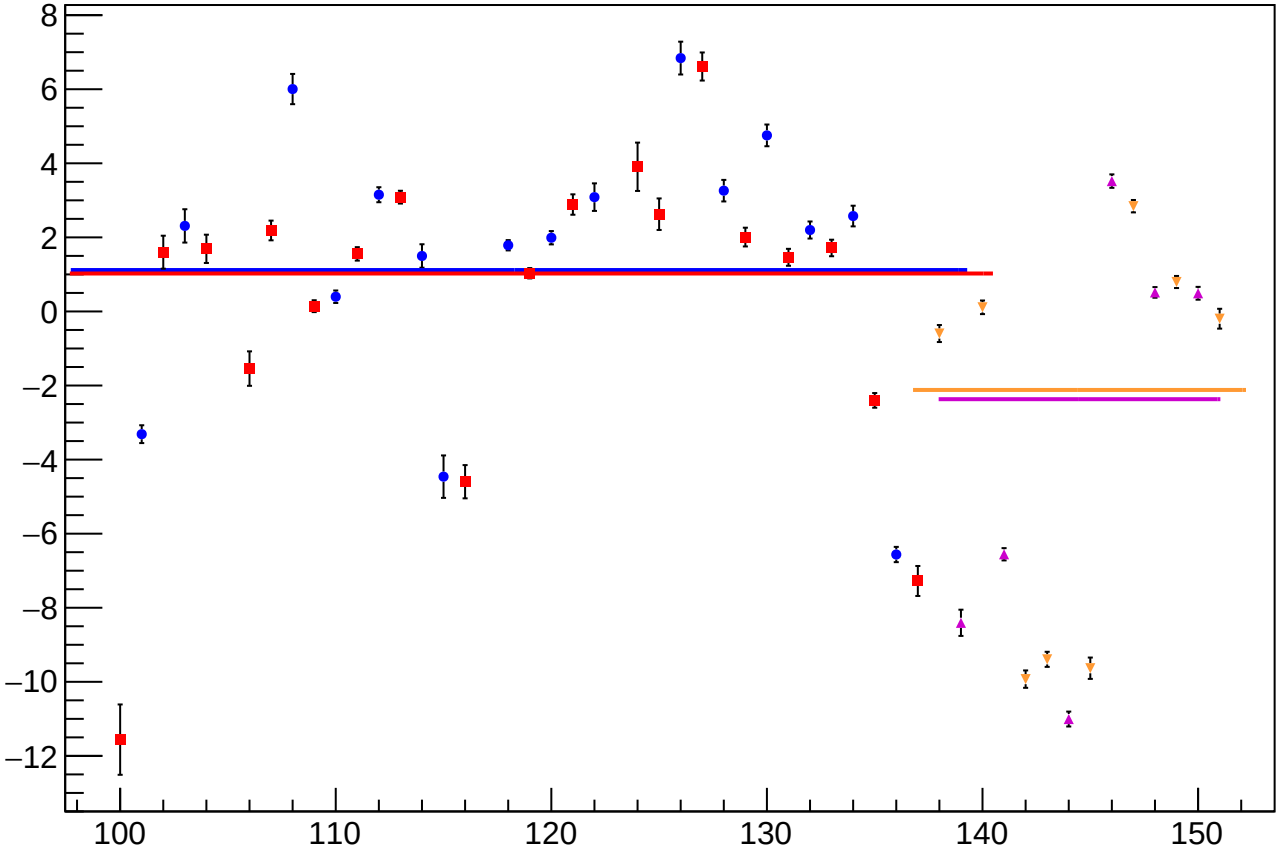
Left In: 24.987+/-0.103 χ^2/NDF:64169.6/5

+ sign 4.274+/-0.048 χ^2/NDF: 241374.1/23

All: 3.095+/-0.032 χ^2/NDF: 446645.9/48

- sign 2.186+/-0.042 χ^2/NDF: 204202.5/24

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: -2.119+/-0.073 χ^2/NDF:4500.0/7

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

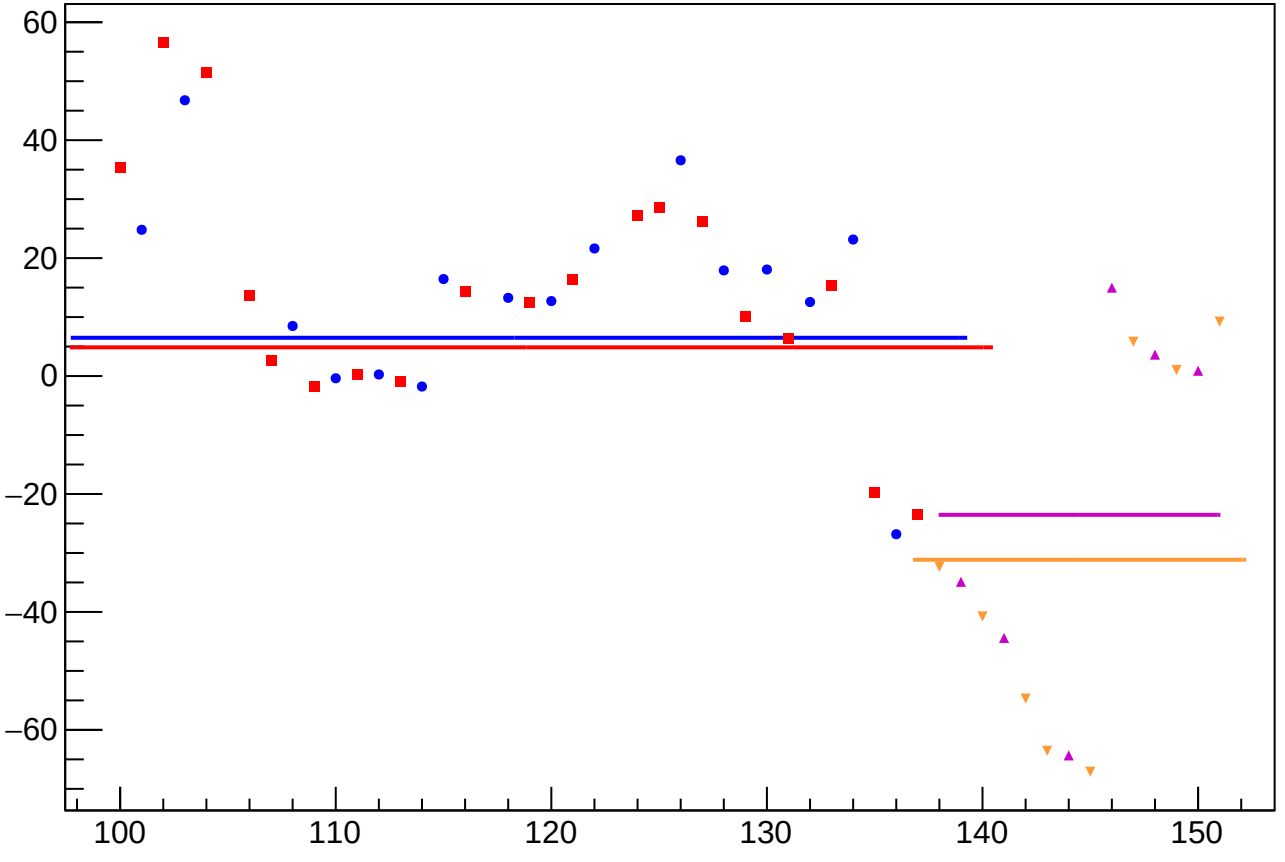
Left In: -2.369+/-0.074 χ^2/NDF:4491.9/5

+ sign -0.207+/-0.046 χ^2/NDF: 8267.3/23

All: -0.223+/-0.032 χ^2/NDF: 15680.0/48

- sign -0.239+/-0.045 χ^2/NDF: 7412.4/24

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -31.149+/-0.100 χ^2/NDF:65911.8/7

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

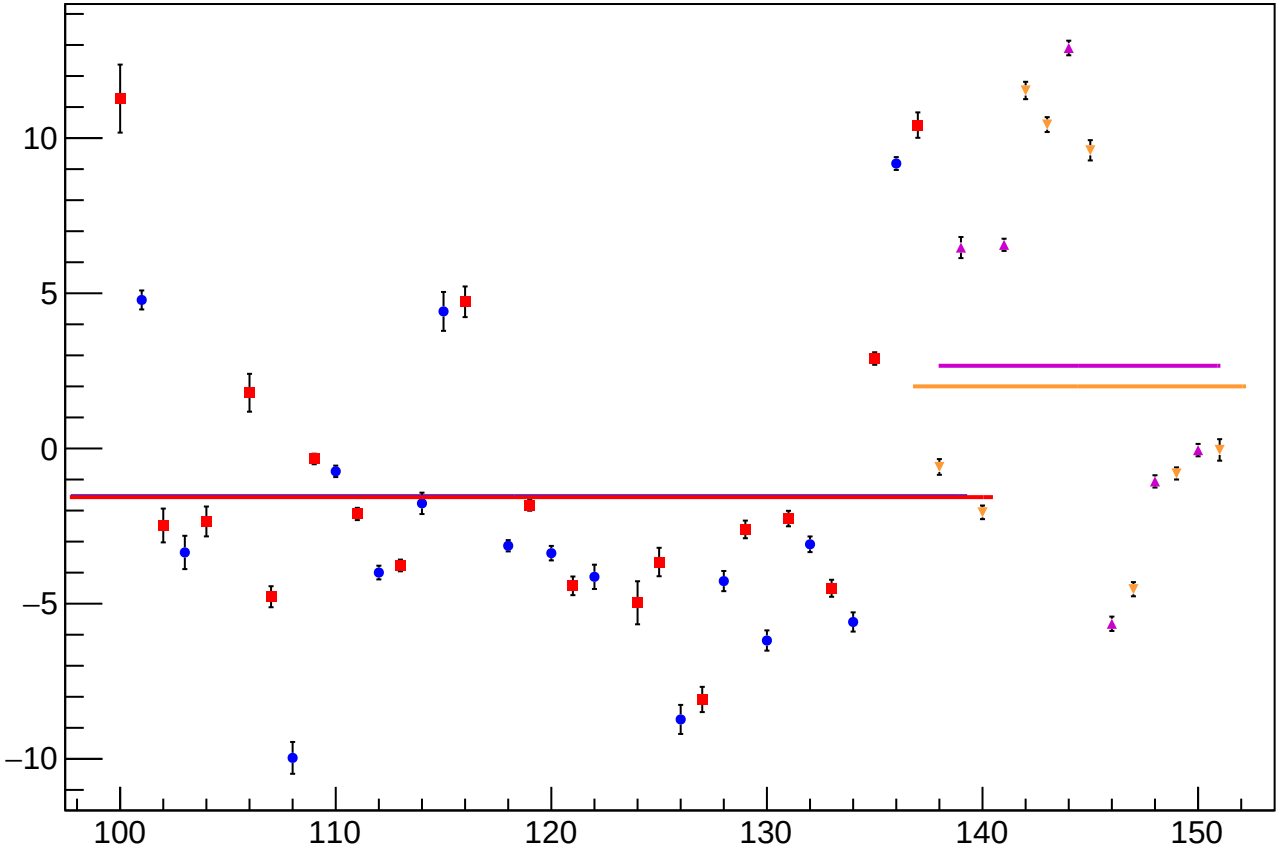
Left In: -23.534+/-0.102 χ^2/NDF:67684.4/5

+ sign -4.716+/-0.055 χ^2/NDF: 235694.8/23

All: -3.414+/-0.037 χ^2/NDF: 437578.6/48

- sign -2.271+/-0.051 χ^2/NDF: 200818.5/24

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: 2.001+/-0.088 χ^2/NDF:4443.0/7

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

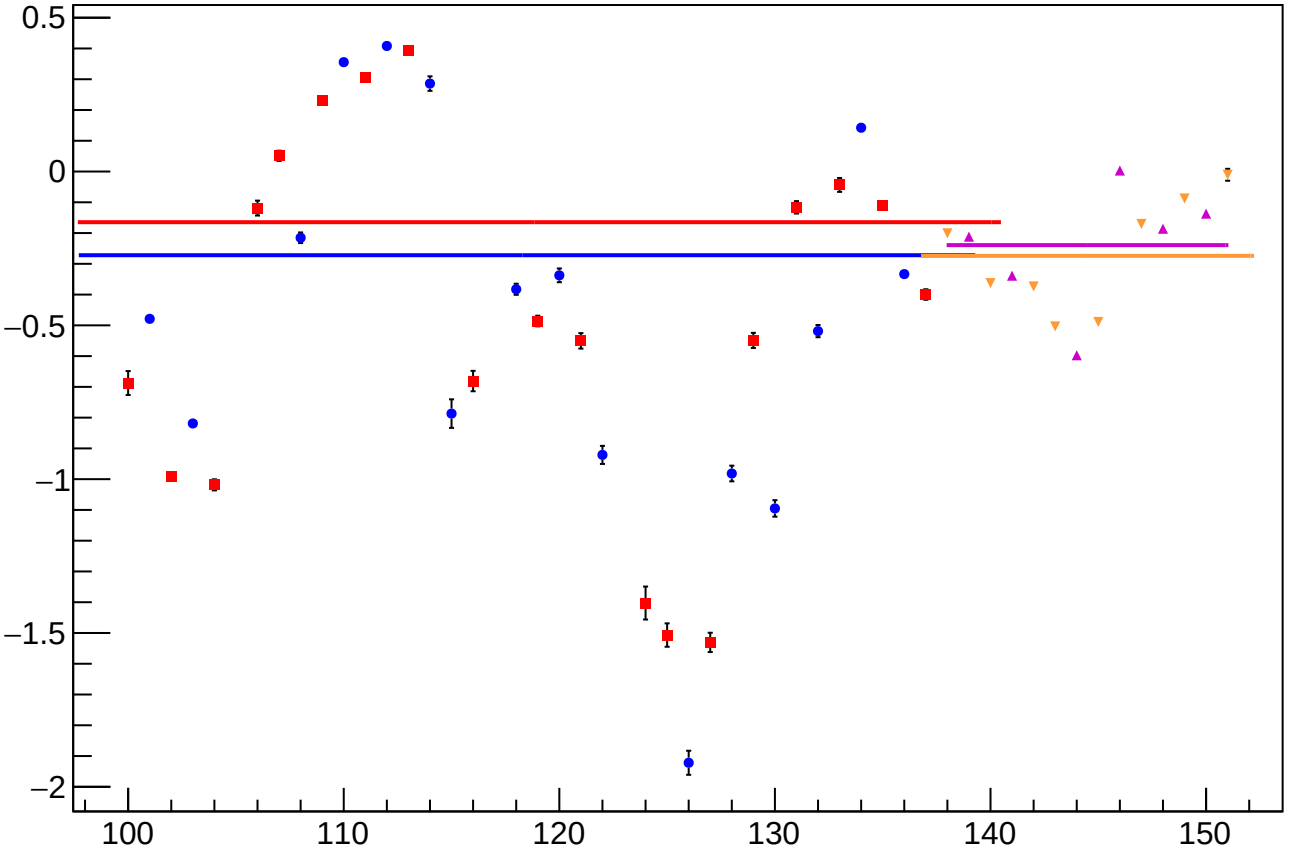
Left In: 2.665+/-0.091 χ^2/NDF:4233.6/5

+ sign -0.177+/-0.055 χ^2/NDF: 9975.8/23

All: -0.159+/-0.038 χ^2/NDF: 18151.5/48

- sign -0.143+/-0.053 χ^2/NDF: 8175.5/24

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: -0.272+/-0.004 χ^2/NDF: 12063.6/15

Left Out: -0.274+/-0.004 χ^2/NDF:1400.0/7

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

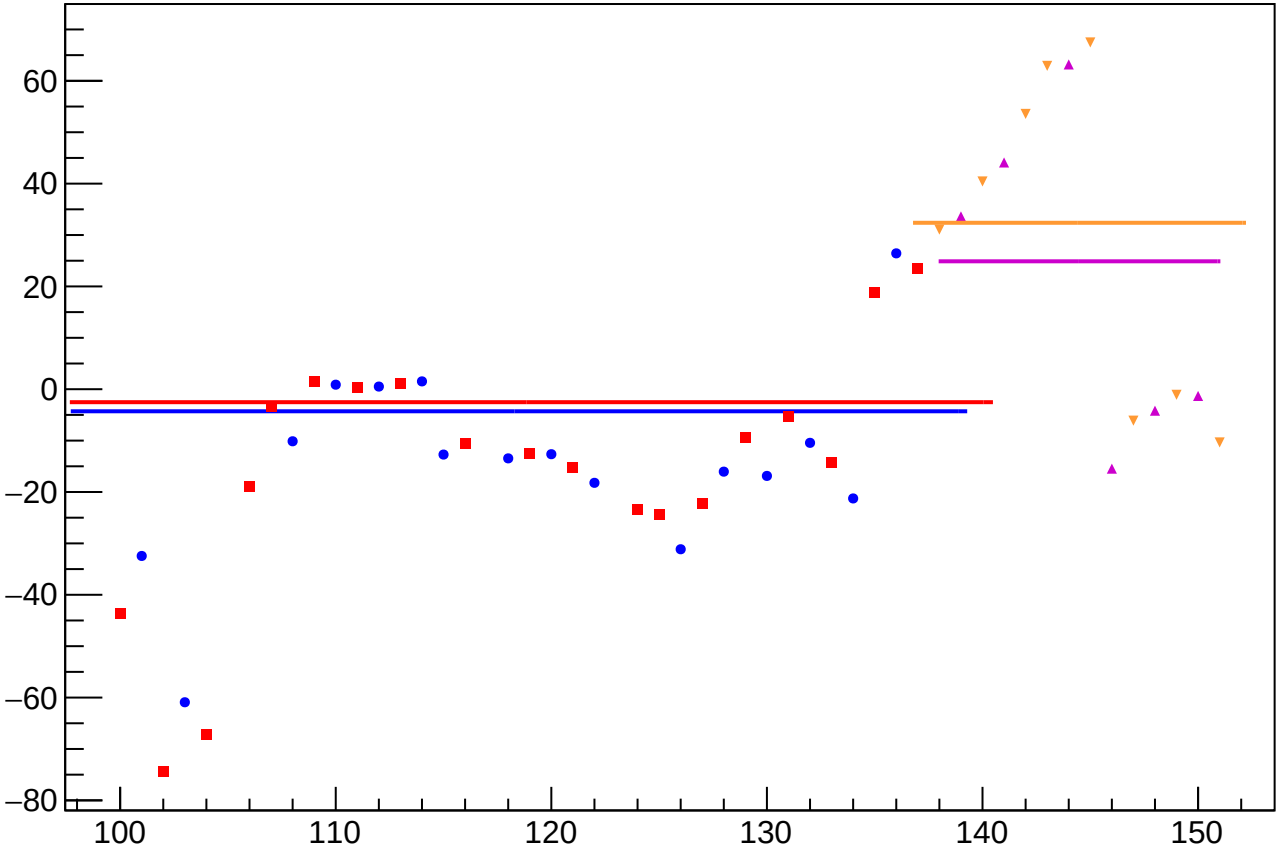
Left In: -0.239+/-0.004 χ^2/NDF:1398.1/5

+ sign -0.273+/-0.003 χ^2/NDF: 13463.7/23

All: -0.234+/-0.002 χ^2/NDF: 30864.5/48

- sign -0.199+/-0.003 χ^2/NDF: 17068.2/24

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 32.382+/-0.100 χ^2/NDF:61693.9/7

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

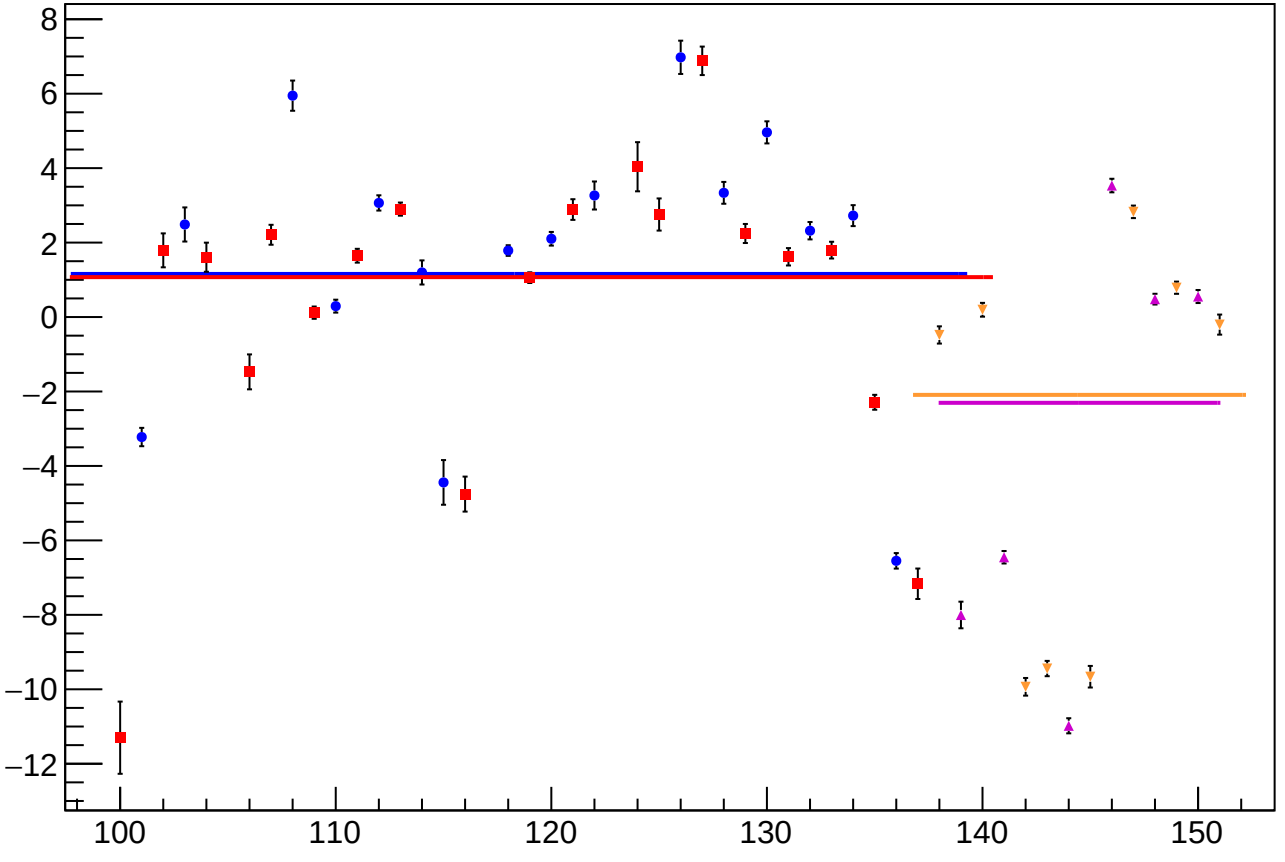
Left In: 24.885+/-0.104 χ^2/NDF:63467.6/5

+ sign 4.333+/-0.049 χ^2/NDF: 237797.6/23

All: 3.128+/-0.032 χ^2/NDF: 440188.3/48

- sign 2.192+/-0.043 χ^2/NDF: 201304.9/24

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: -2.091+/-0.073 χ^2/NDF:4460.6/7

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

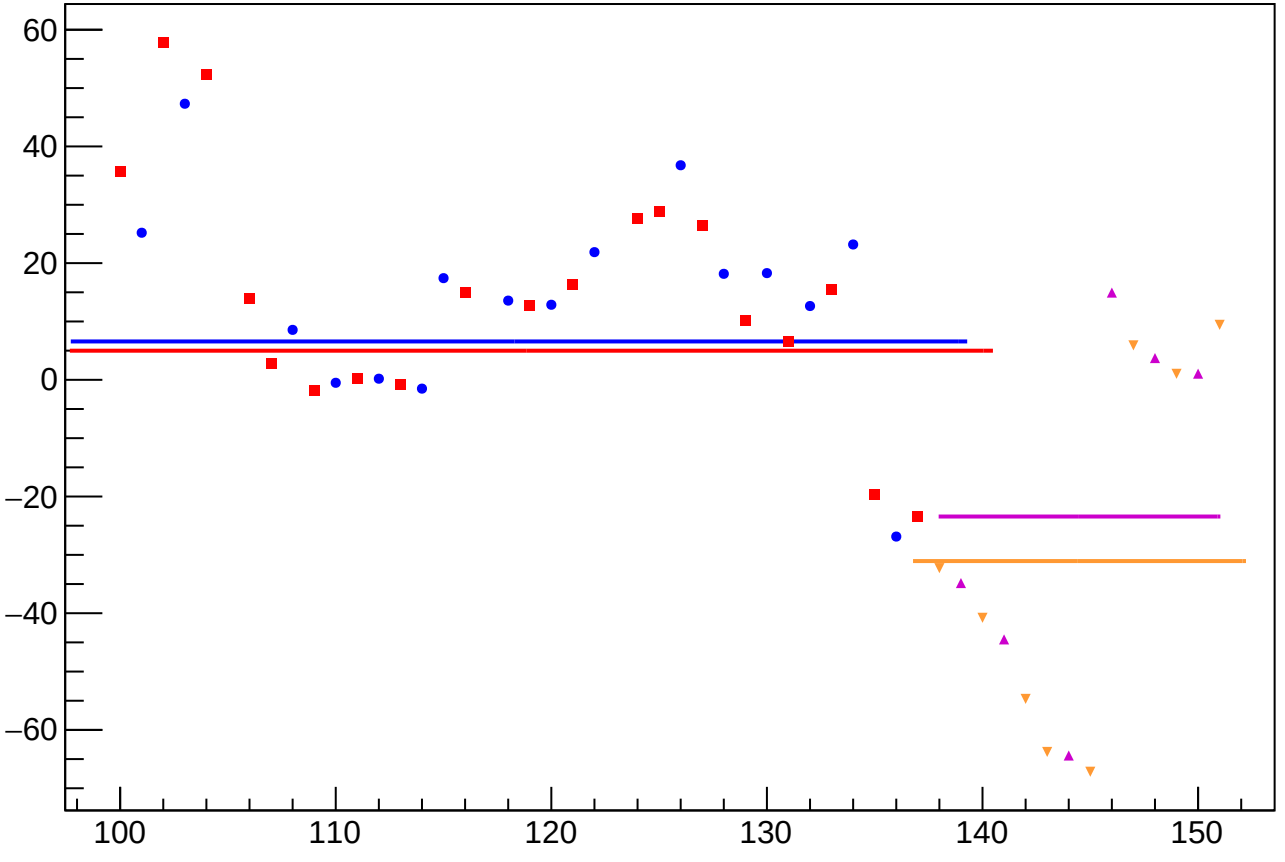
Left In: -2.304+/-0.075 χ^2/NDF:4351.3/5

+ sign -0.189+/-0.047 χ^2/NDF: 8166.9/23

All: -0.196+/-0.033 χ^2/NDF: 15333.6/48

- sign -0.202+/-0.046 χ^2/NDF: 7166.6/24

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -31.063+/-0.101 χ^2/NDF:65375.7/7

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

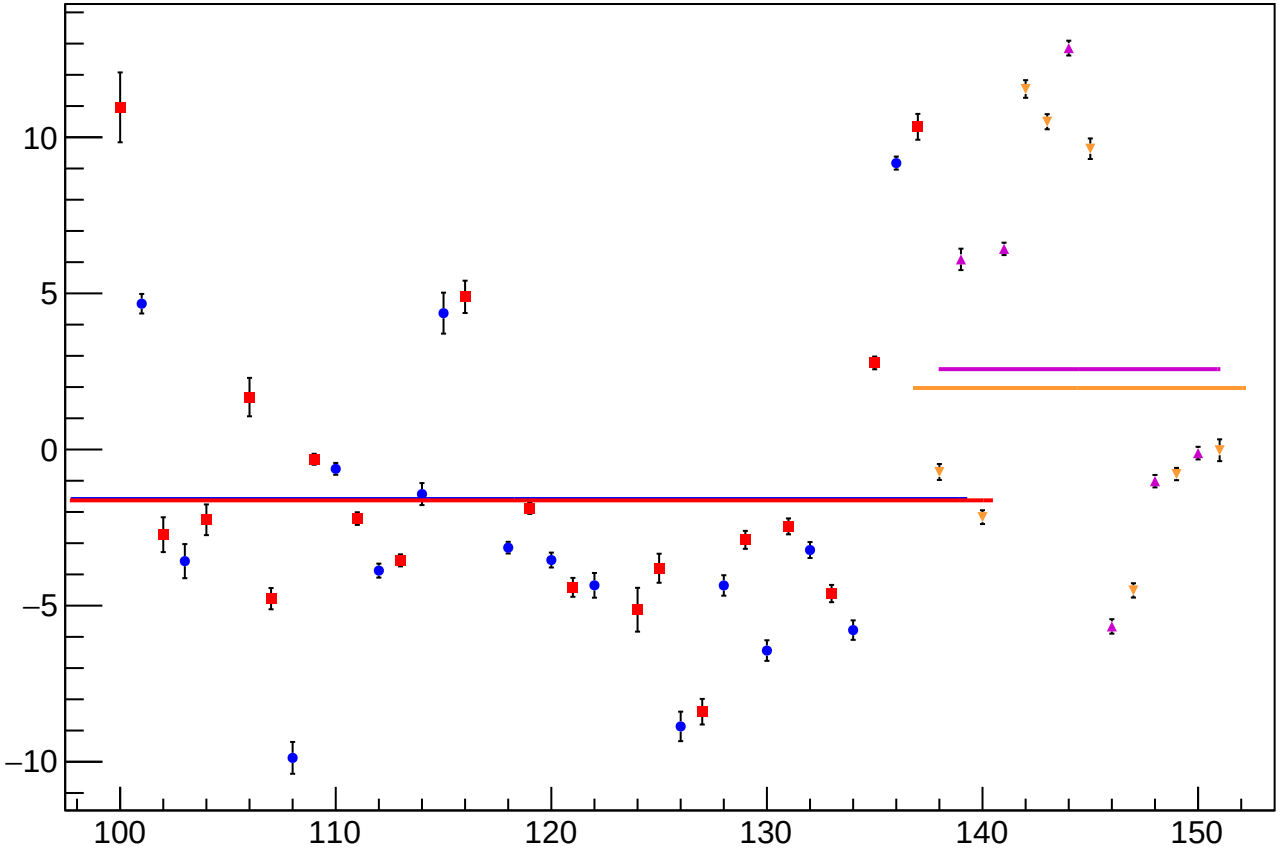
Left In: -23.428+/-0.103 χ^2/NDF:66907.2/5

+ sign -4.788+/-0.055 χ^2/NDF: 232160.0/23

All: -3.453+/-0.038 χ^2/NDF: 431188.7/48

- sign -2.274+/-0.052 χ^2/NDF: 197937.9/24

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: 1.969+/-0.089 χ^2/NDF:4412.6/7

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

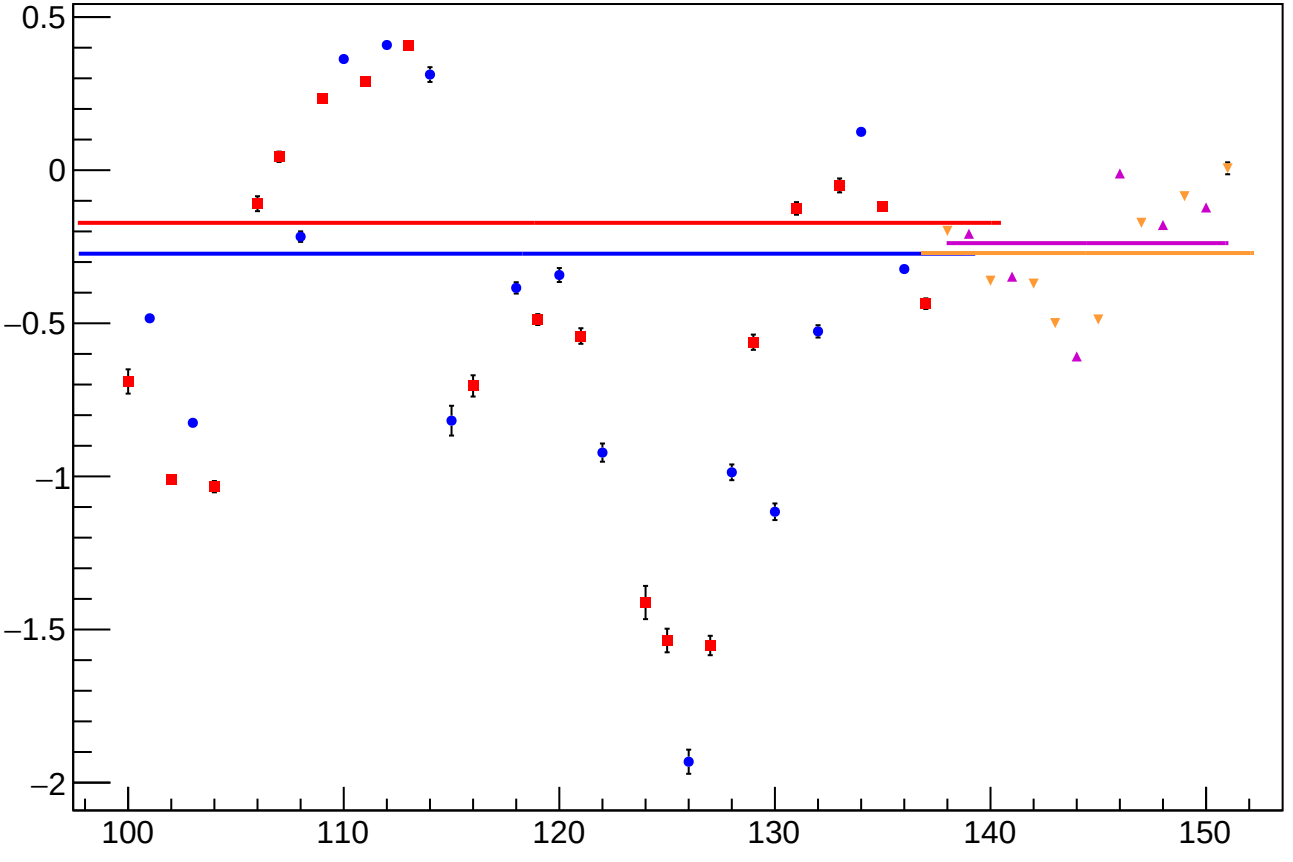
Left In: 2.574+/-0.091 χ^2/NDF:4111.5/5

+ sign -0.200+/-0.055 χ^2/NDF: 9867.9/23

All: -0.197+/-0.038 χ^2/NDF: 17791.9/48

- sign -0.194+/-0.053 χ^2/NDF: 7924.0/24

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: -0.273+/-0.004 χ^2/NDF: 11856.3/15

Left Out: -0.271+/-0.004 χ^2/NDF:1394.9/7

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

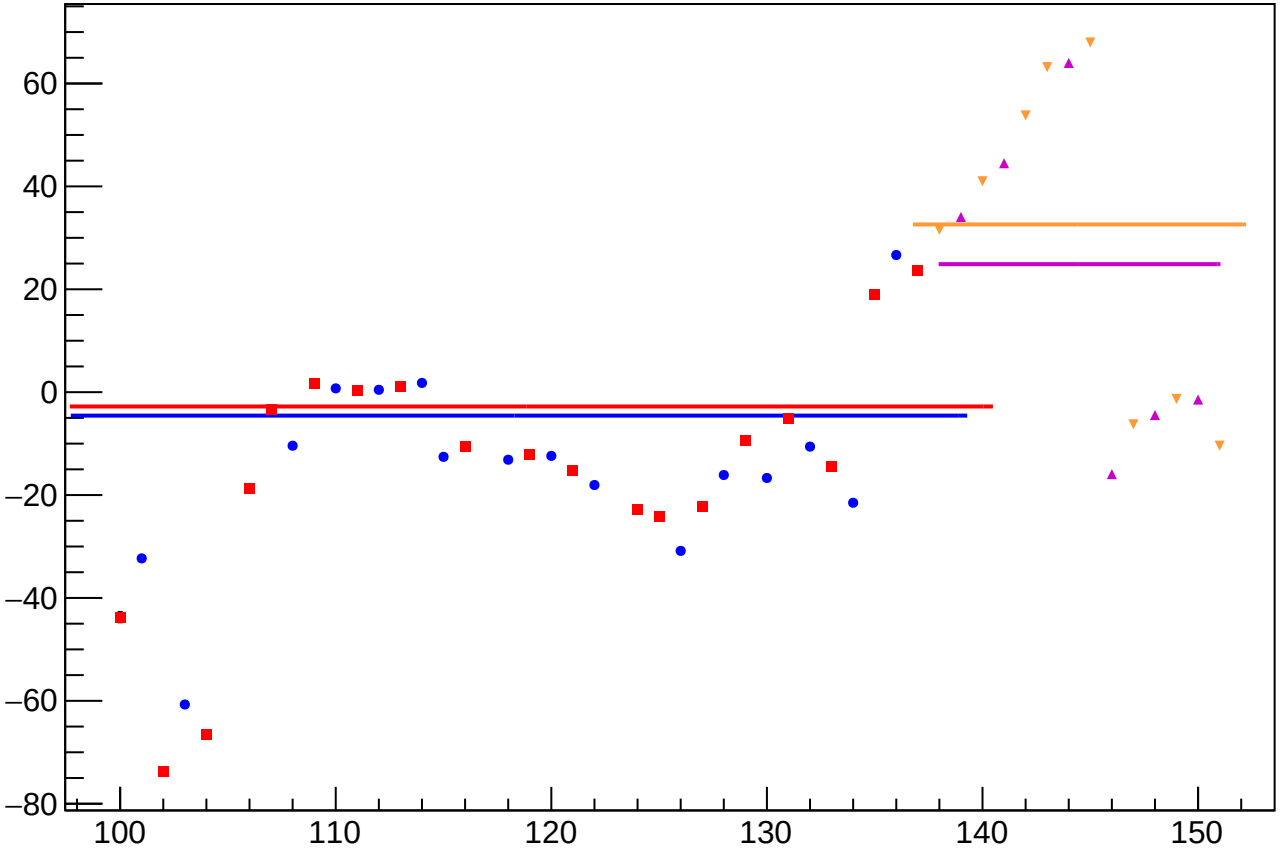
Left In: -0.238+/-0.004 χ^2/NDF:1455.6/5

+ sign -0.272+/-0.003 χ^2/NDF: 13251.3/23

All: -0.236+/-0.002 χ^2/NDF: 30448.9/48

- sign -0.203+/-0.003 χ^2/NDF: 16916.4/24

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 32.604+/-0.102 χ^2/NDF:61142.1/7

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

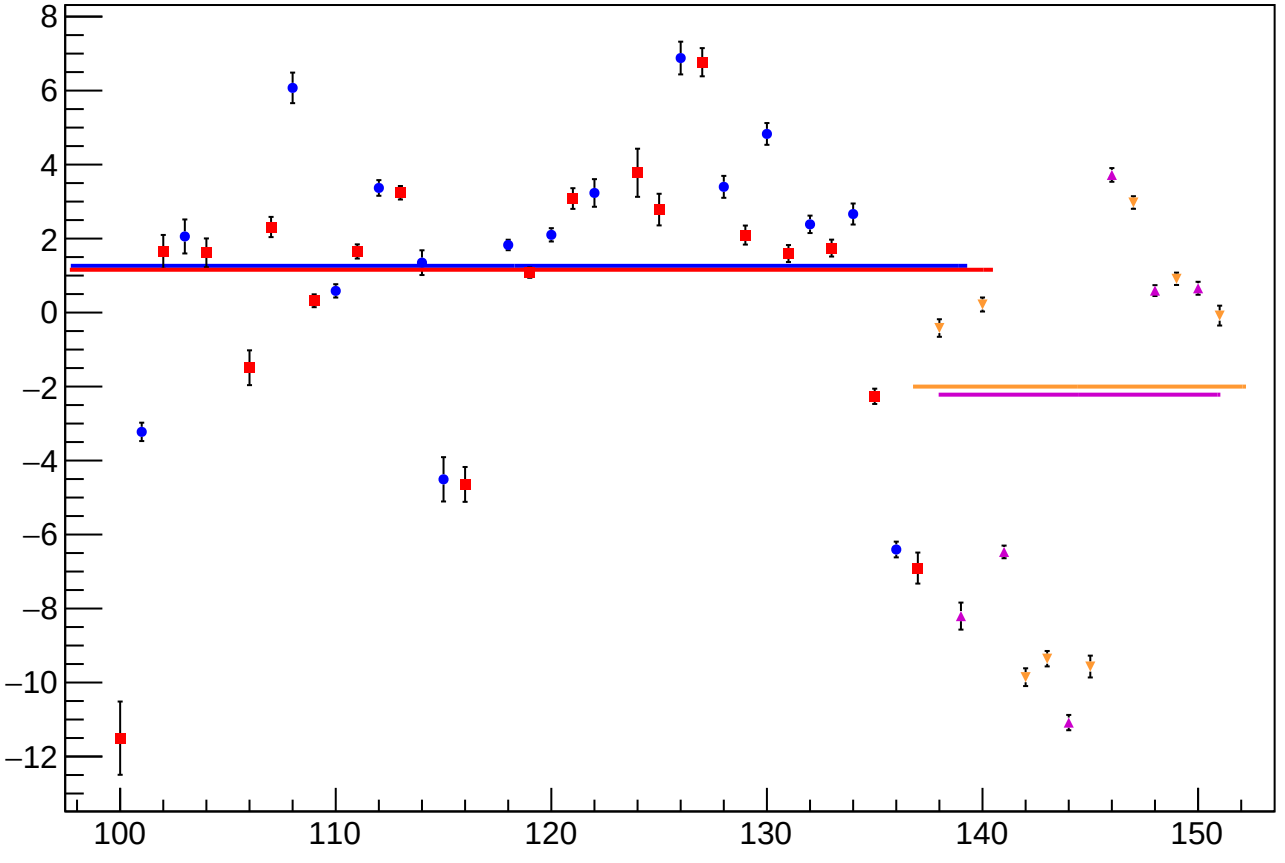
Left In: 24.886+/-0.105 χ^2/NDF:63554.4/5

+ sign 4.191+/-0.050 χ^2/NDF: 234538.7/23

All: 3.003+/-0.033 χ^2/NDF: 434013.6/48

- sign 2.068+/-0.044 χ^2/NDF: 198451.7/24

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: -2.001+/-0.074 χ^2/NDF:4359.7/7

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

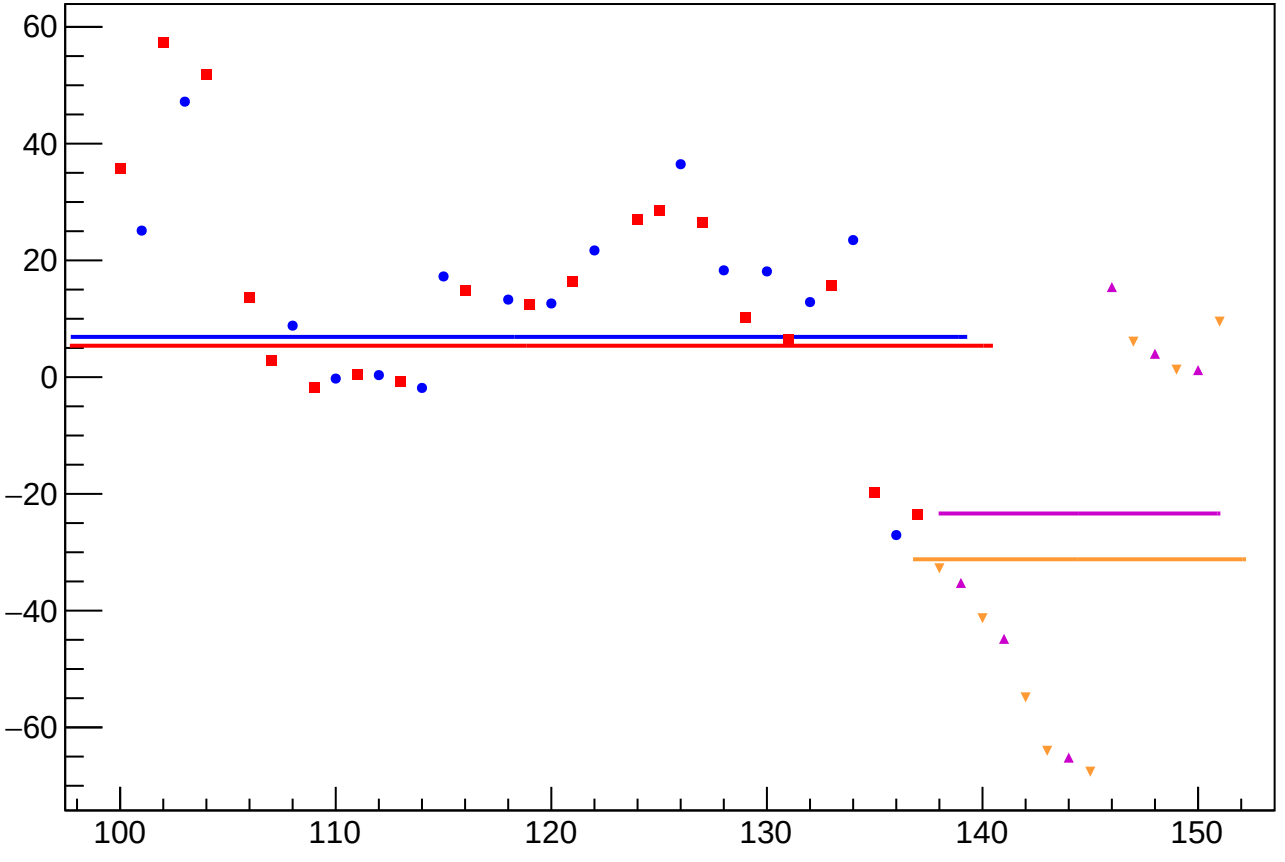
Left In: -2.219+/-0.076 χ^2/NDF:4388.3/5

+ sign -0.079+/-0.048 χ^2/NDF: 7942.1/23

All: -0.098+/-0.033 χ^2/NDF: 15051.3/48

- sign -0.115+/-0.047 χ^2/NDF: 7108.9/24

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -31.203+/-0.103 χ^2/NDF:64775.2/7

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

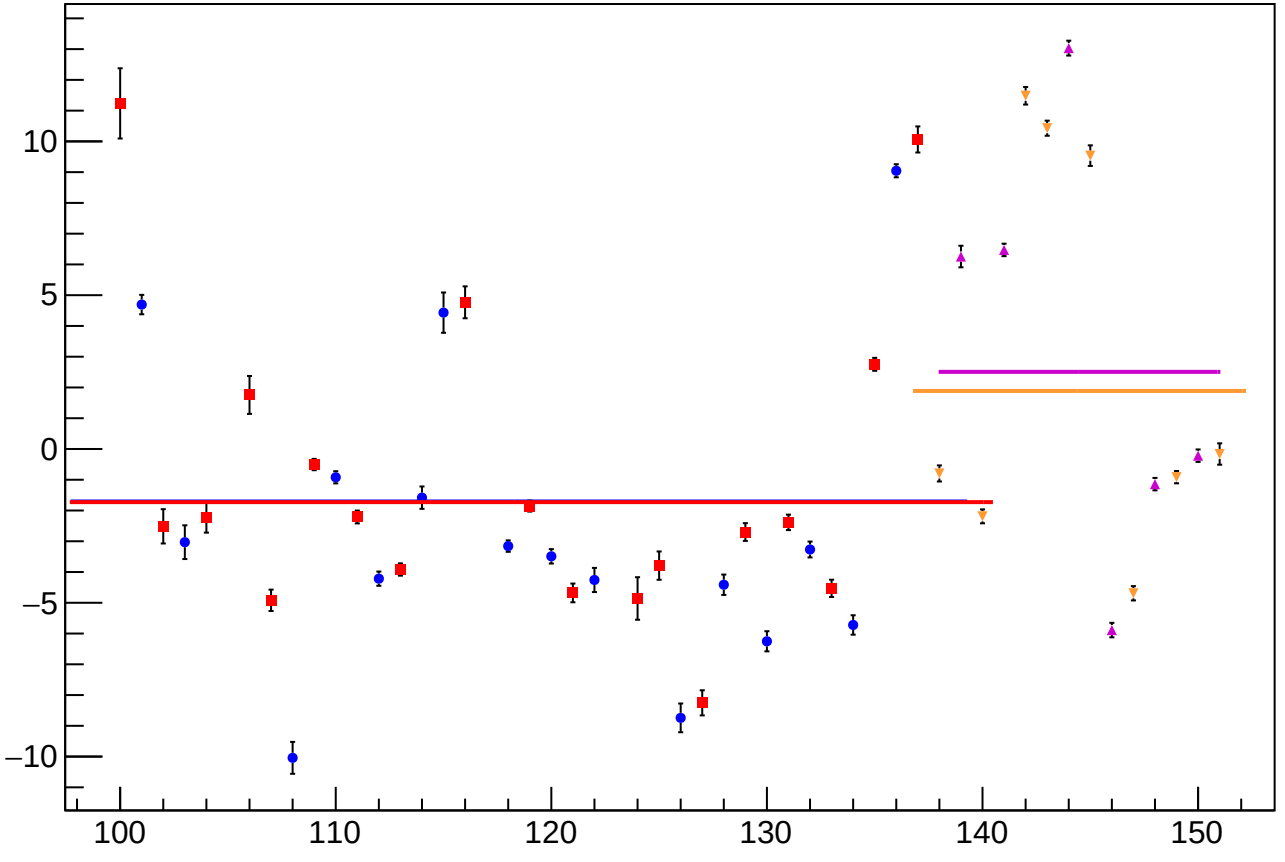
Left In: -23.358+/-0.105 χ^2/NDF:66920.4/5

+ sign -4.550+/-0.056 χ^2/NDF: 228912.6/23

All: -3.215+/-0.039 χ^2/NDF: 425076.1/48

- sign -2.027+/-0.053 χ^2/NDF: 195102.6/24

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: 1.887+/-0.090 χ^2/NDF:4314.5/7

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

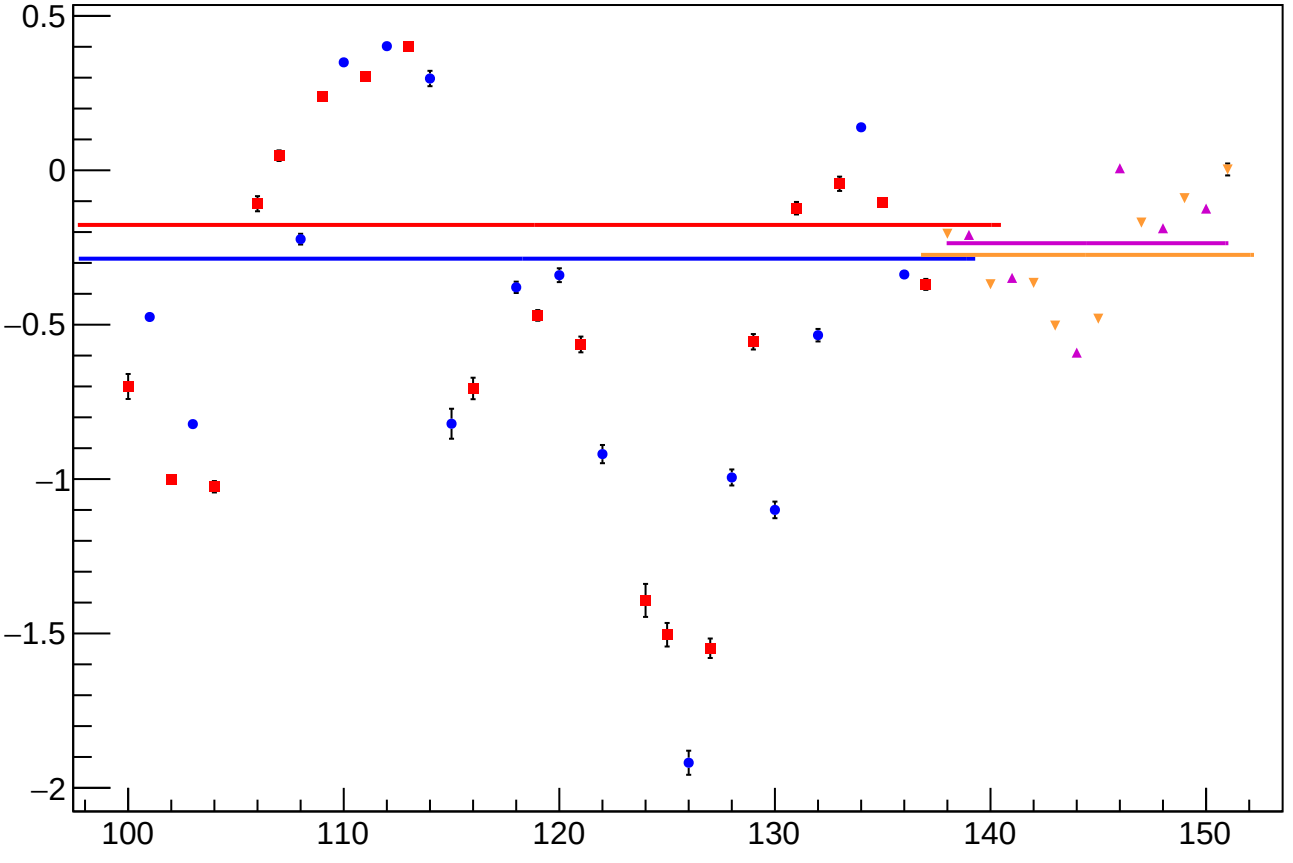
Left In: 2.507+/-0.093 χ^2/NDF:4162.0/5

+ sign -0.316+/-0.056 χ^2/NDF: 9581.2/23

All: -0.297+/-0.039 χ^2/NDF: 17425.3/48

- sign -0.279+/-0.054 χ^2/NDF: 7843.9/24

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.274+/-0.004 χ^2/NDF:1327.7/7

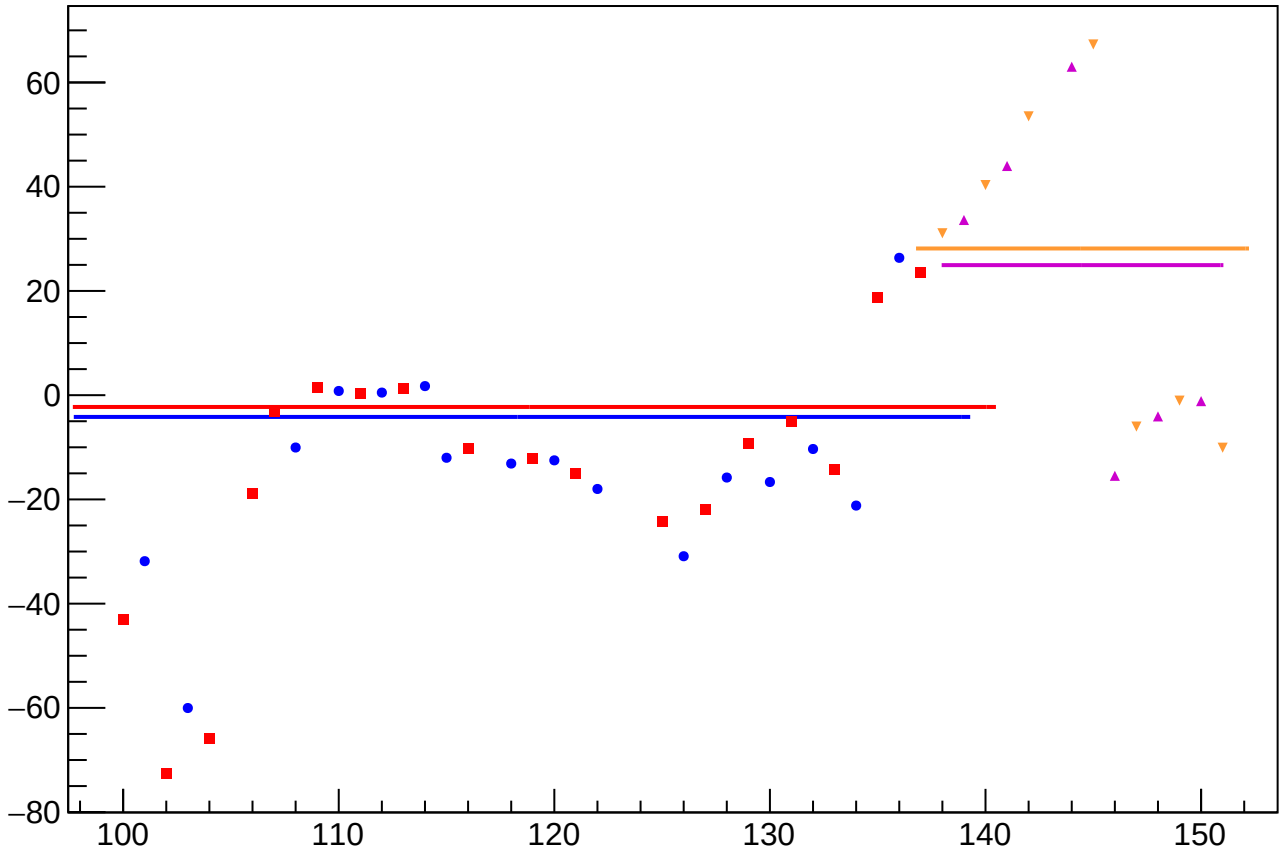
Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.236+/-0.004 χ^2/NDF:1365.4/5

+ sign -0.280+/-0.003 χ^2/NDF: 12693.0/23

All: -0.241+/-0.002 χ^2/NDF: 29258.8/48

- sign -0.205+/-0.003 χ^2/NDF: 16239.7/24



Right In: -4.173+/-0.054 χ^2/NDF: 75394.5/15

Left Out: 28.146+/-0.106 χ^2/NDF:49219.7/6

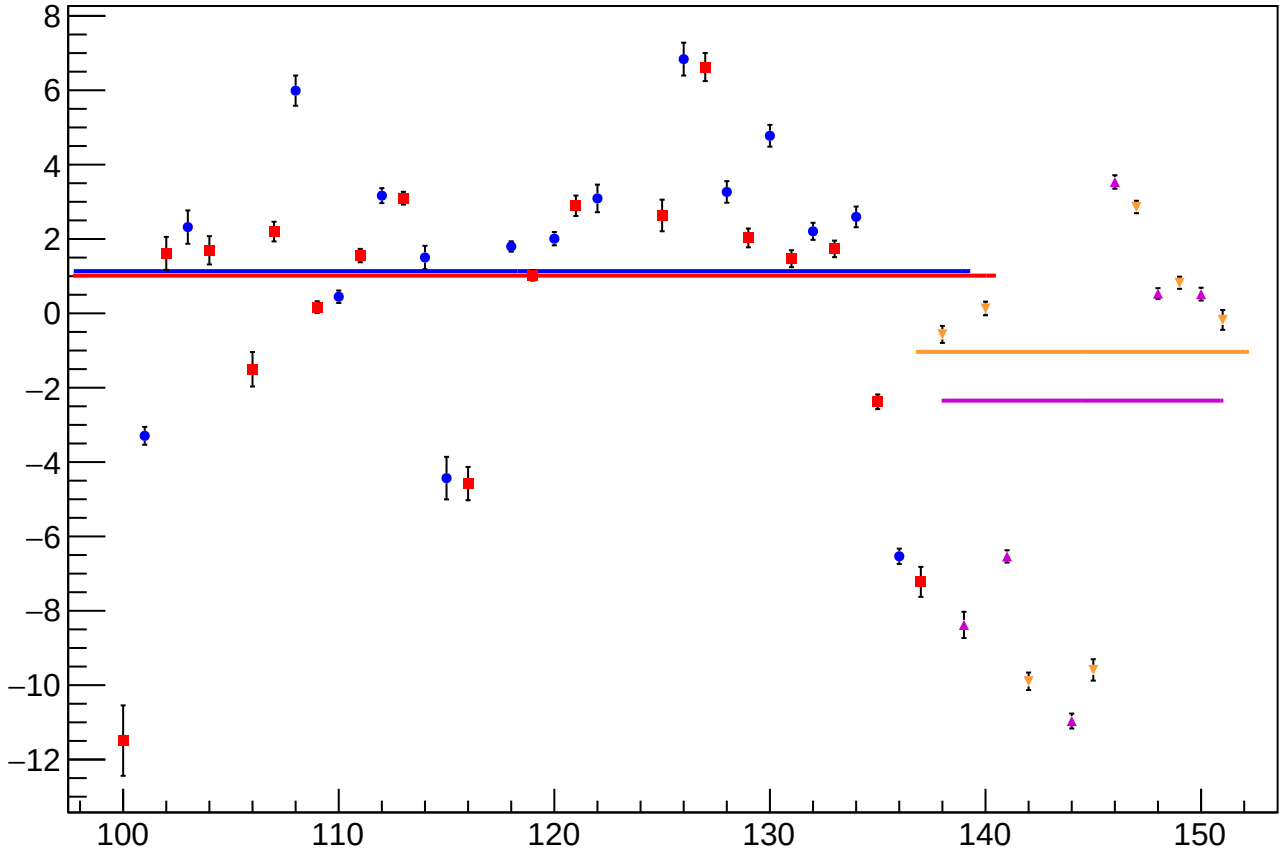
Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 24.952+/-0.102 χ^2/NDF:64259.3/5

+ sign 2.553+/-0.048 χ^2/NDF: 197938.6/22

All: 2.417+/-0.032 χ^2/NDF: 400594.9/46

- sign 2.315+/-0.042 χ^2/NDF: 202642.5/23



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/15

Left Out: -1.035+/-0.077 χ^2/NDF:3044.3/6

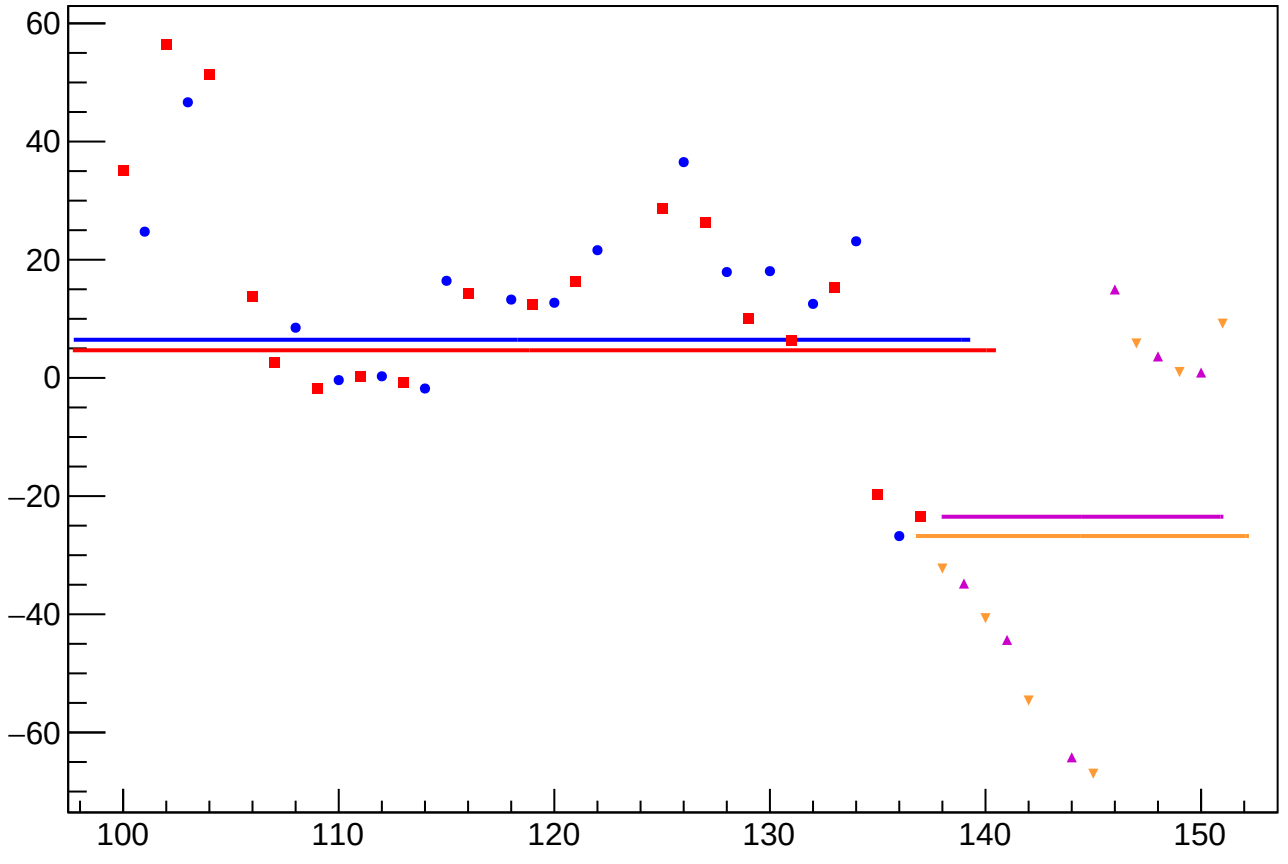
Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: -2.347+/-0.074 χ^2/NDF:4503.8/5

+ sign 0.318+/-0.048 χ^2/NDF: 6129.3/22

All: 0.026+/-0.033 χ^2/NDF: 13586.8/46

- sign -0.240+/-0.045 χ^2/NDF: 7385.2/23



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -26.757+/-0.106 χ^2/NDF:51934.6/6

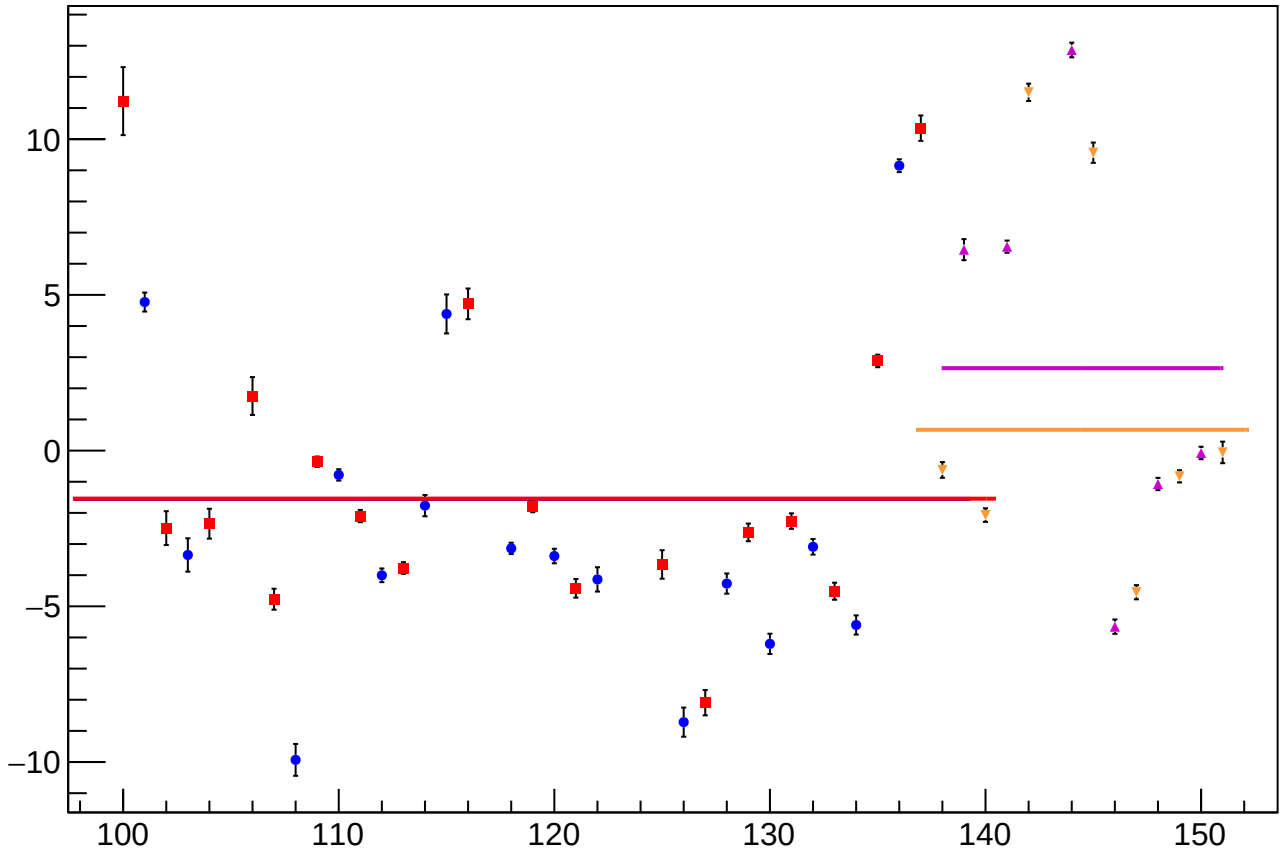
Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -23.491+/-0.102 χ^2/NDF:67776.1/5

\+ sign -2.564+/-0.055 χ^2/NDF: 193741.1/22

All: -2.482+/-0.038 χ^2/NDF: 393124.5/46

\- sign -2.411+/-0.051 χ^2/NDF: 199379.3/23



Right In: -1.552+/-0.069 χ^2/NDF: 4543.6/15

Left Out: 0.669+/-0.094 χ^2/NDF:3020.2/6

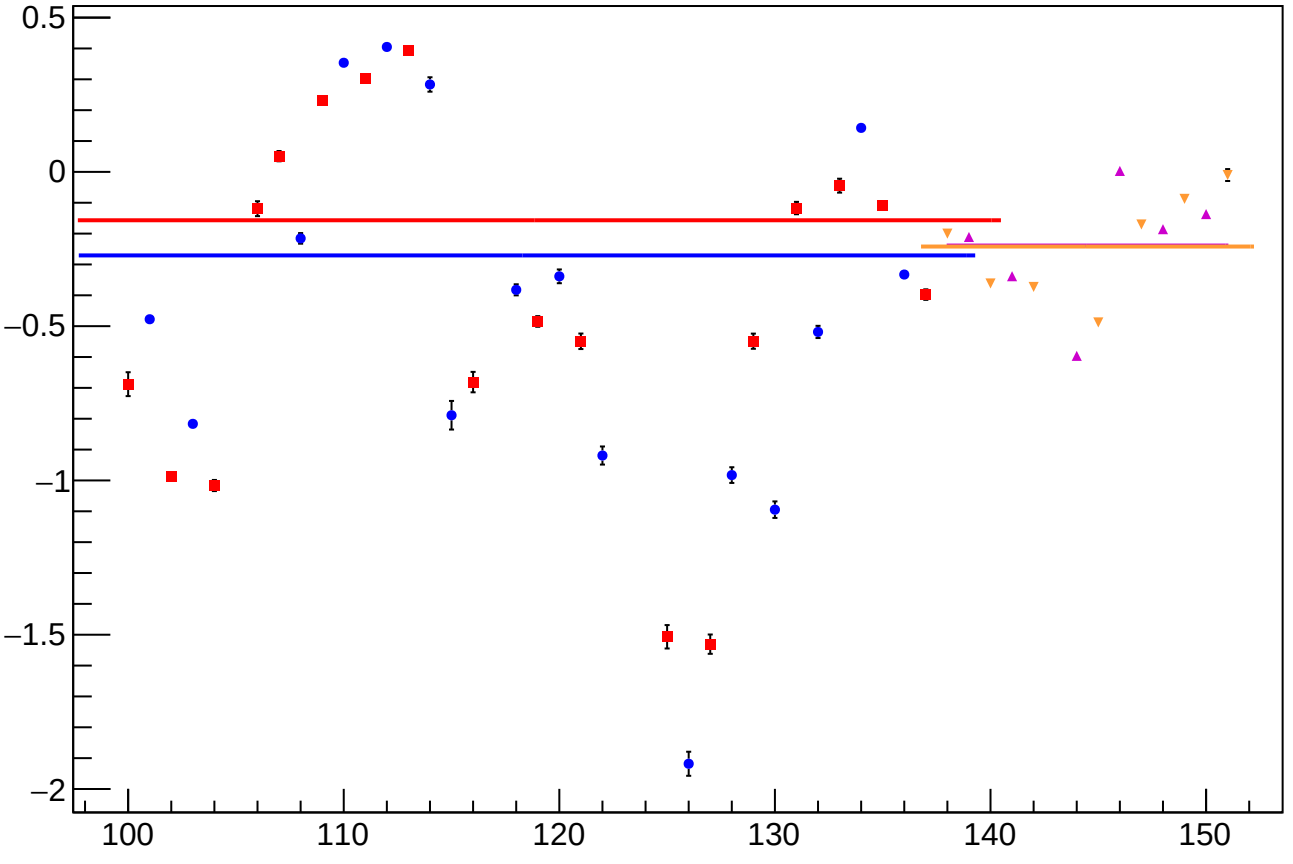
Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: 2.648+/-0.090 χ^2/NDF:4242.1/5

\+ sign -0.773+/-0.056 χ^2/NDF: 7923.8/22

All: -0.431+/-0.038 χ^2/NDF: 16131.4/46

\- sign -0.128+/-0.053 χ^2/NDF: 8136.9/23



Right In: -0.271+/-0.004 χ^2/NDF: 12096.1/15

Left Out: -0.242+/-0.004 χ^2/NDF:975.3/6

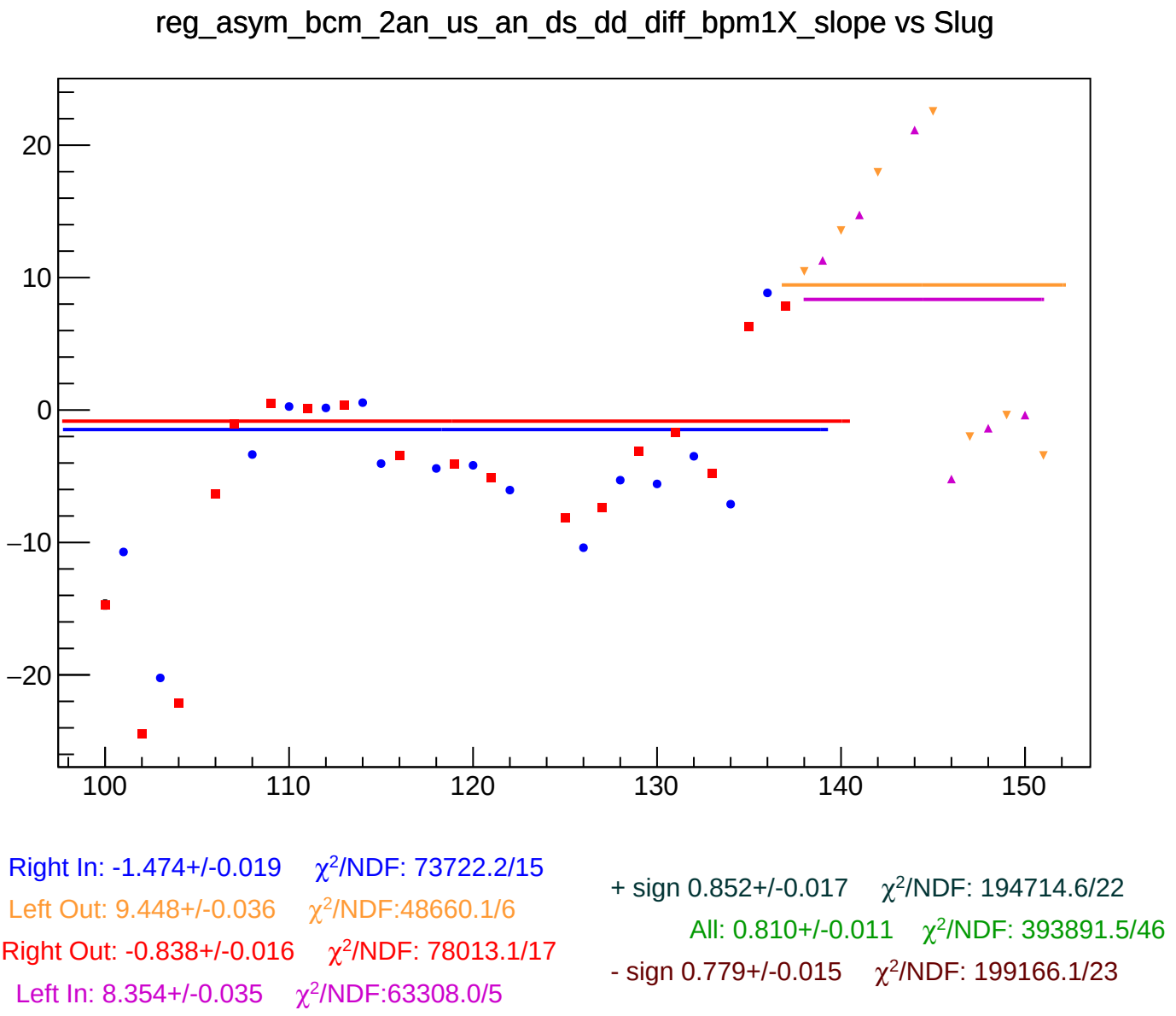
Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

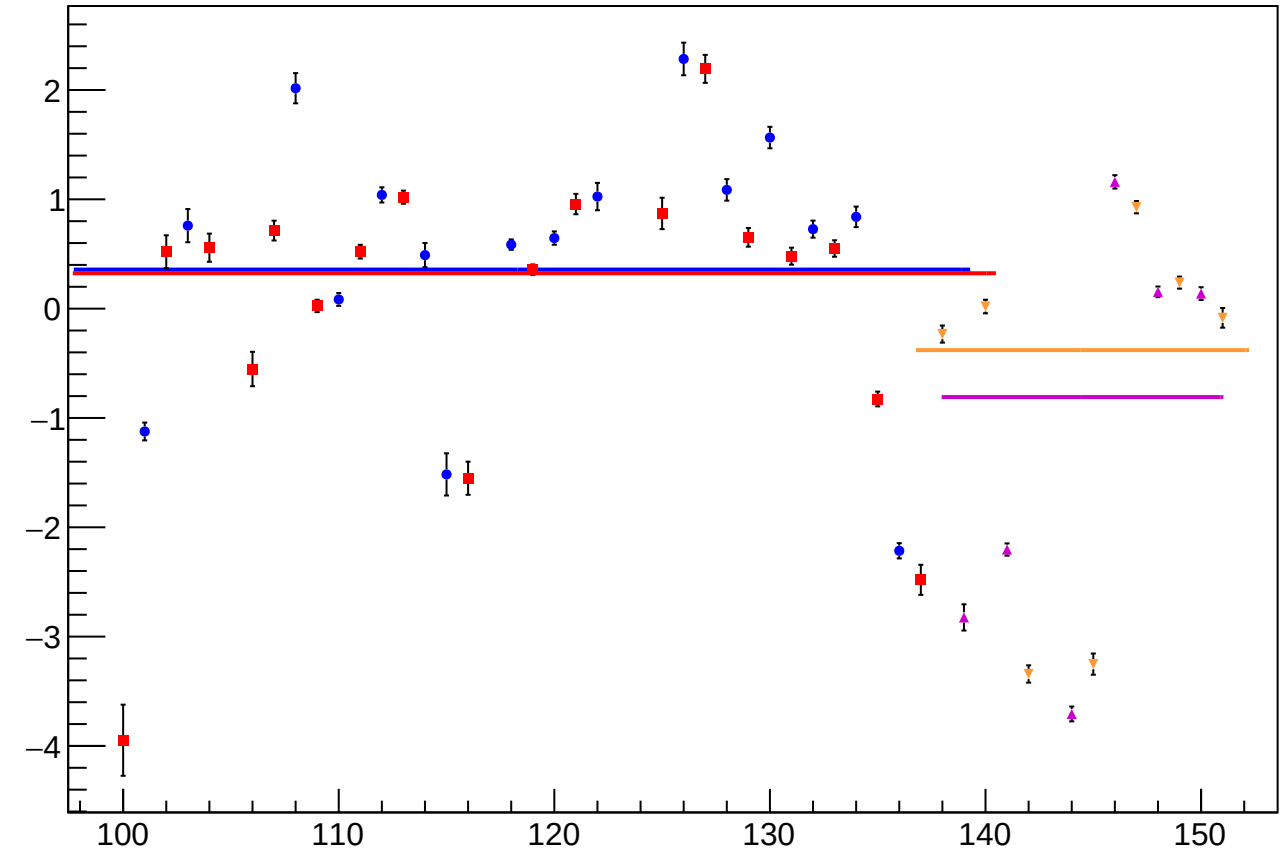
Left In: -0.239+/-0.004 χ^2/NDF:1399.9/5

+ sign -0.257+/-0.003 χ^2/NDF: 13094.2/22

All: -0.224+/-0.002 χ^2/NDF: 29961.4/46

- sign -0.195+/-0.003 χ^2/NDF: 16637.0/23


reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs Slug
20
10
0
−10
−20
100
110
120
130
140
150
Right In: -1.474+/-0.019 χ²/NDF: 73722.2/15
Left Out: 9.448+/-0.036 χ²/NDF:48660.1/6
Right Out: -0.838+/-0.016 χ²/NDF: 78013.1/17
Left In: 8.354+/-0.035 χ²/NDF:63308.0/5
+ sign 0.852+/-0.017 χ²/NDF: 194714.6/22
All: 0.810+/-0.011 χ²/NDF: 393891.5/46
- sign 0.779+/-0.015 χ²/NDF: 199166.1/23



Right In: 0.357+/-0.021 χ^2/NDF: 2543.0/15

Left Out: -0.380+/-0.026 χ^2/NDF:2993.8/6

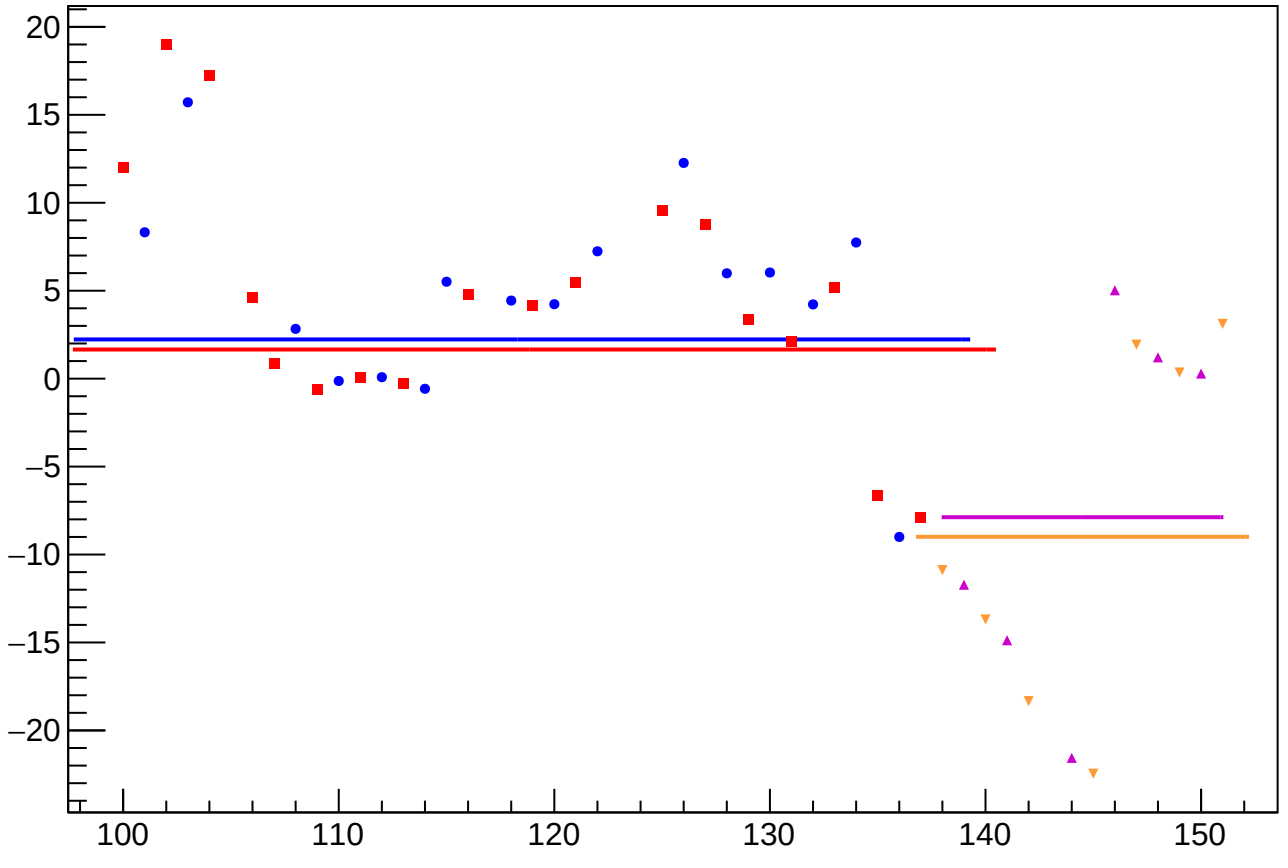
Right Out: 0.324+/-0.020 χ^2/NDF: 1558.9/17

Left In: -0.809+/-0.025 χ^2/NDF:4413.1/5

+ sign 0.076+/-0.016 χ^2/NDF: 6025.4/22

All: -0.020+/-0.011 χ^2/NDF: 13326.1/46

- sign -0.108+/-0.015 χ^2/NDF: 7232.9/23



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -8.991+/-0.036 χ^2/NDF:51344.7/6

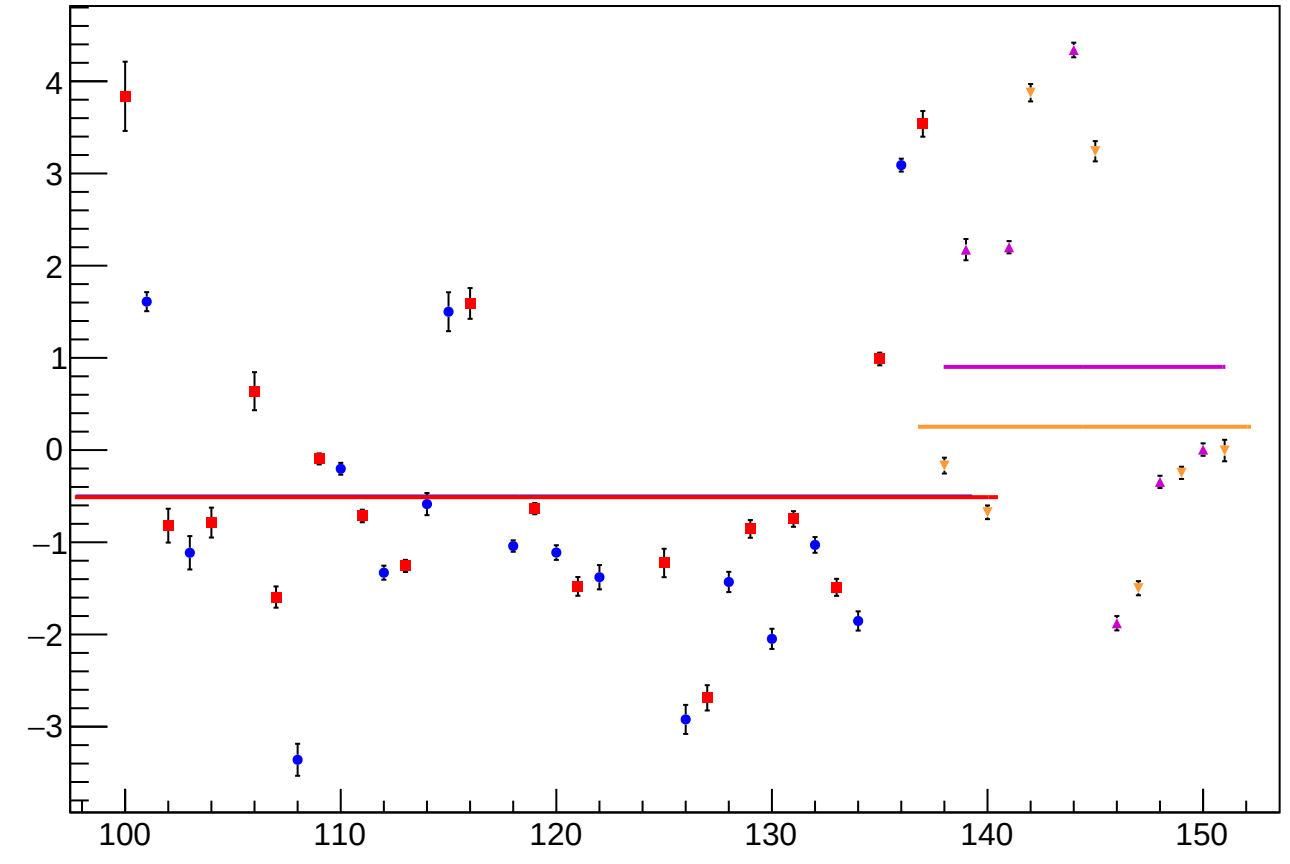
Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: -7.877+/-0.035 χ^2/NDF:66774.7/5

+ sign -0.865+/-0.019 χ^2/NDF: 190600.9/22

All: -0.840+/-0.013 χ^2/NDF: 386639.4/46

- sign -0.819+/-0.018 χ^2/NDF: 196035.5/23



Right In: -0.504+/-0.024 χ^2/NDF: 4447.2/15

Left Out: 0.253+/-0.032 χ^2/NDF:2971.4/6

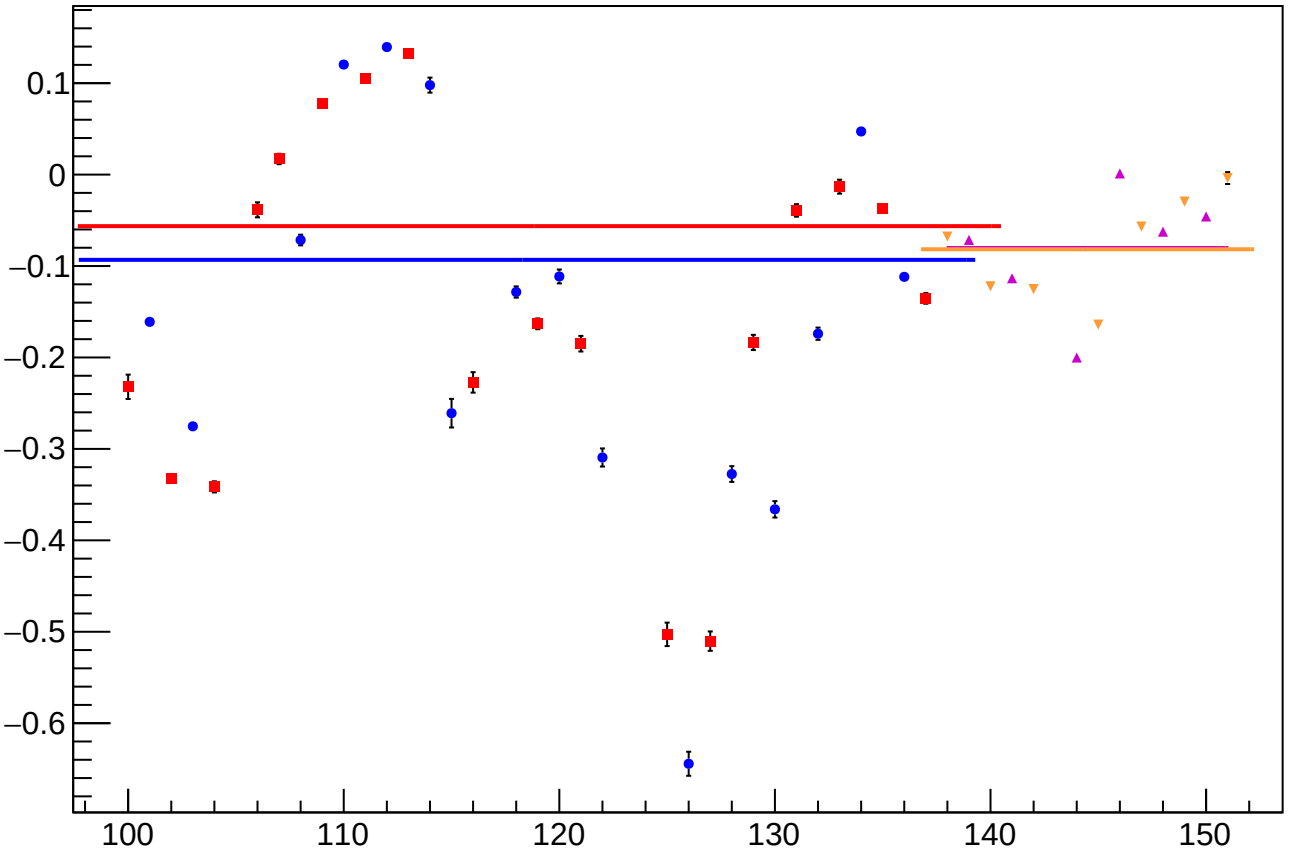
Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

Left In: 0.902+/-0.031 χ^2/NDF:4170.1/5

+ sign -0.235+/-0.019 χ^2/NDF: 7780.6/22

All: -0.122+/-0.013 χ^2/NDF: 15834.2/46

- sign -0.022+/-0.018 χ^2/NDF: 7987.6/23



Right In: -0.093+/-0.001 χ^2/NDF: 11742.4/15

Left Out: -0.082+/-0.001 χ^2/NDF:965.3/6

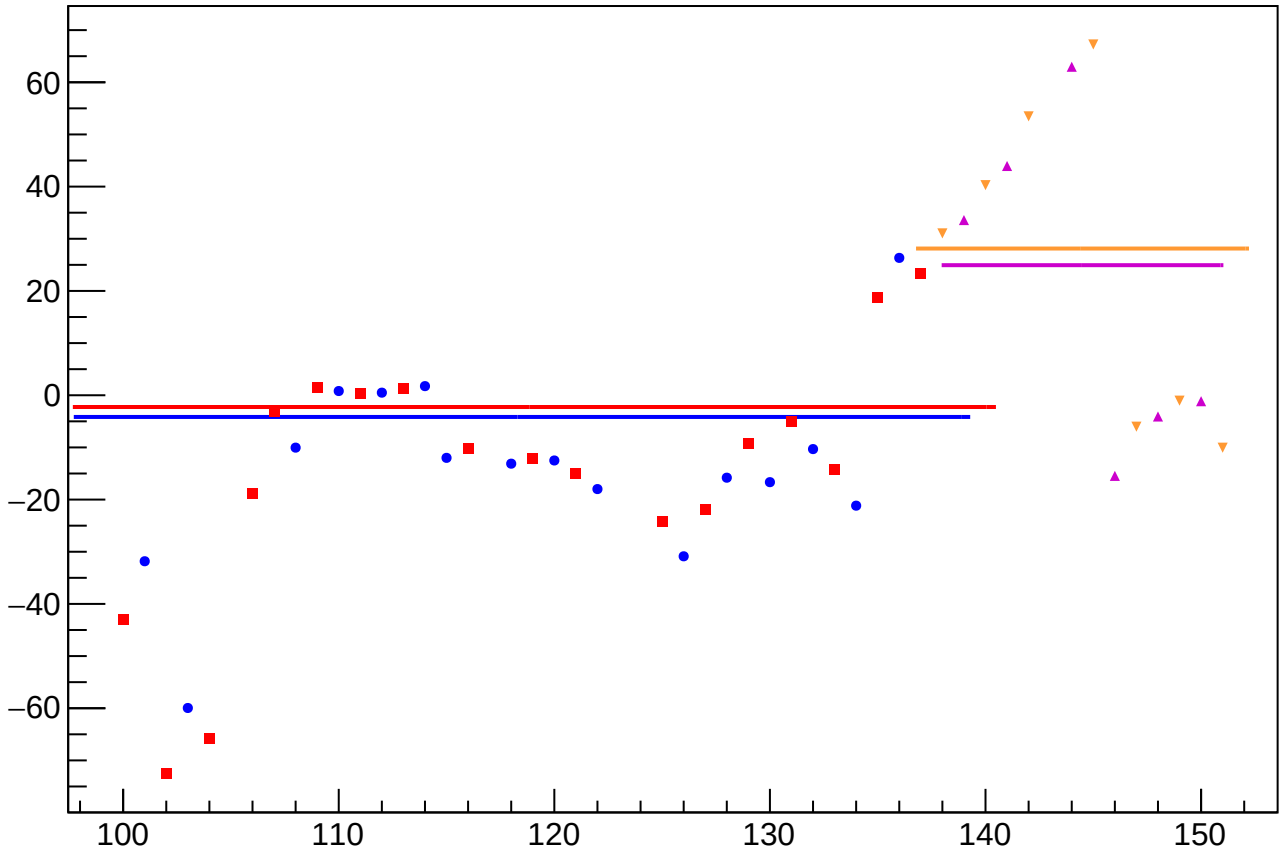
Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.080+/-0.001 χ^2/NDF:1380.0/5

+ sign -0.088+/-0.001 χ^2/NDF: 12739.6/22

All: -0.077+/-0.001 χ^2/NDF: 28942.0/46

- sign -0.068+/-0.001 χ^2/NDF: 15996.4/23



Right In: -4.159+/-0.054 χ^2/NDF: 75420.4/15

Left Out: 28.128+/-0.106 χ^2/NDF:49206.4/6

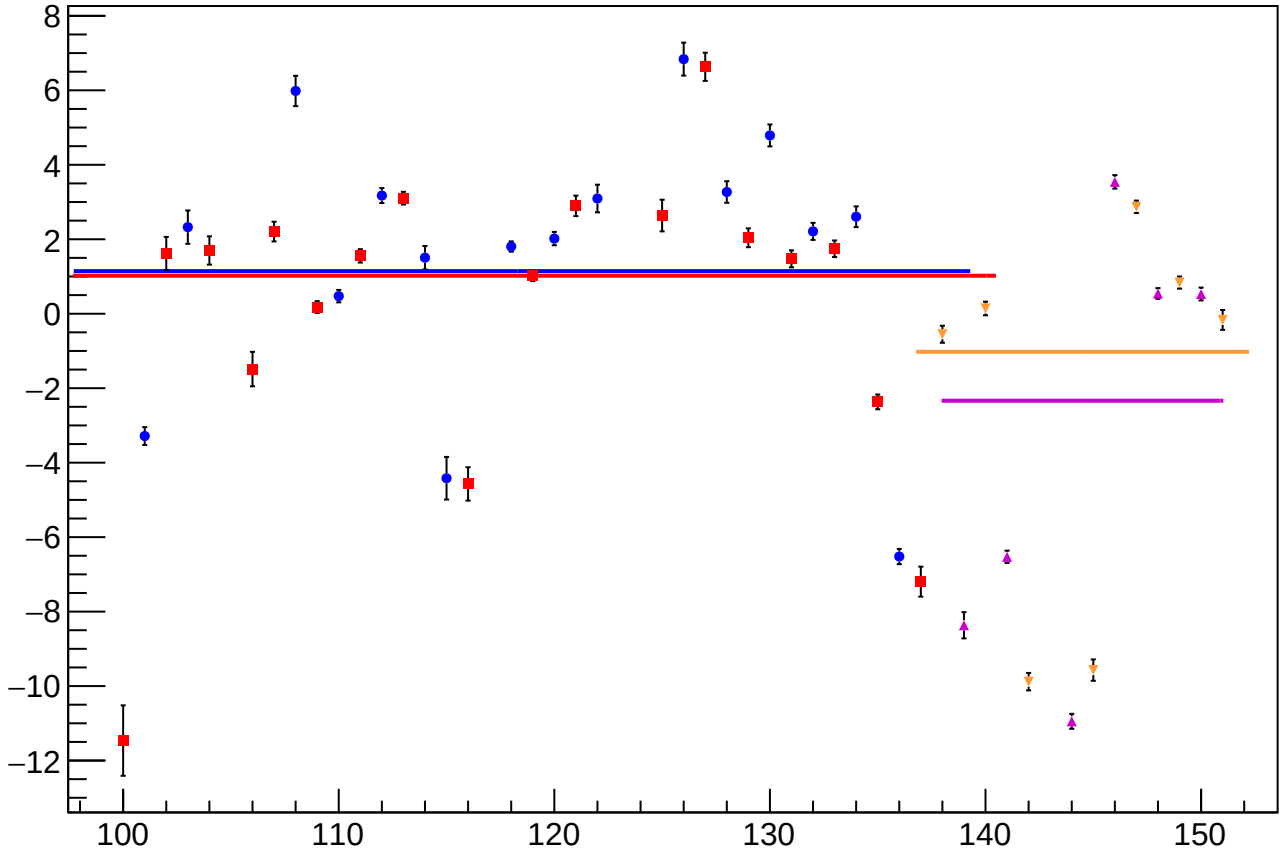
Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 24.937+/-0.102 χ^2/NDF:64265.8/5

+ sign 2.555+/-0.048 χ^2/NDF: 197935.7/22

All: 2.418+/-0.032 χ^2/NDF: 400609.8/46

- sign 2.315+/-0.042 χ^2/NDF: 202660.0/23



Right In: 1.144+/-0.060 χ^2/NDF: 2595.3/15

Left Out: -1.022+/-0.077 χ^2/NDF:3045.6/6

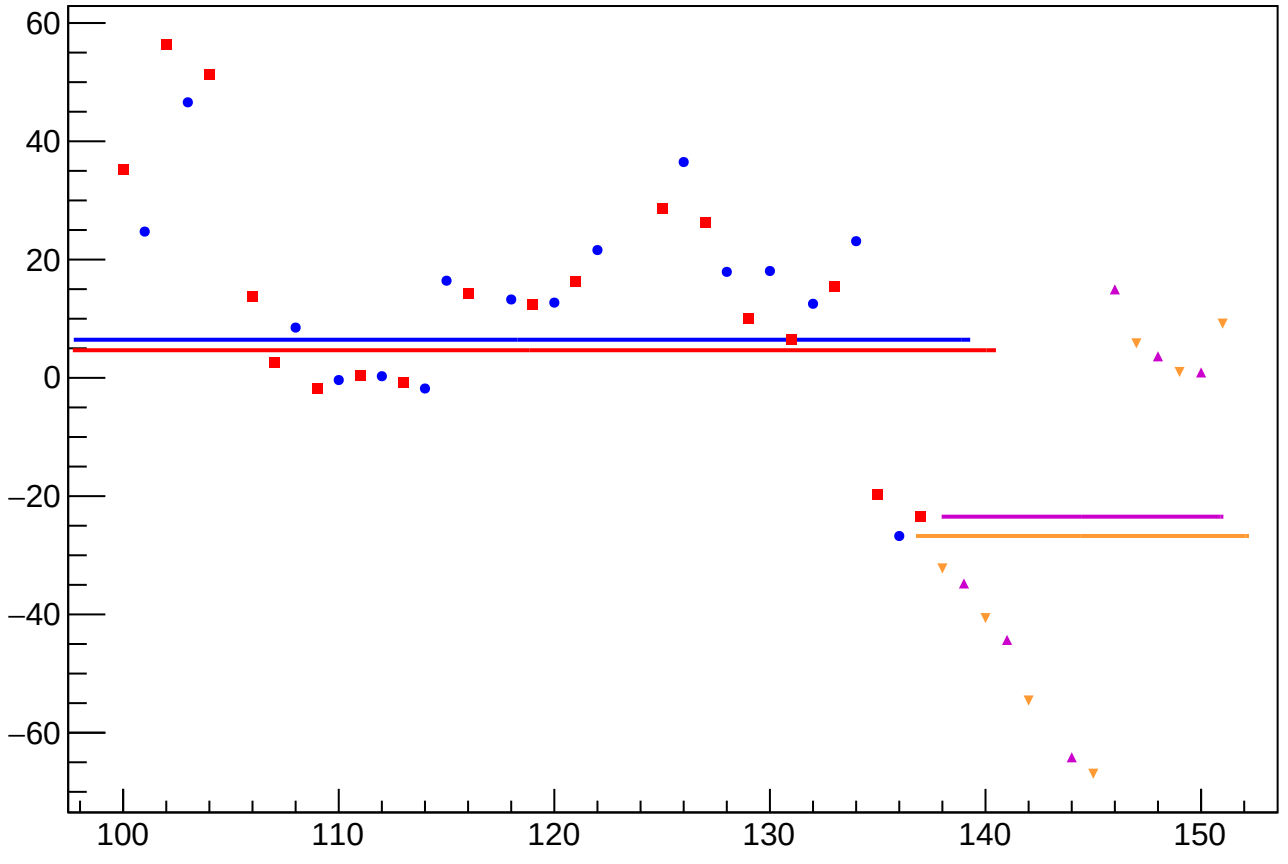
Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: -2.336+/-0.074 χ^2/NDF:4506.9/5

+ sign 0.329+/-0.047 χ^2/NDF: 6129.4/22

All: 0.035+/-0.033 χ^2/NDF: 13587.6/46

- sign -0.231+/-0.045 χ^2/NDF: 7385.2/23



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -26.735+/-0.106 χ^2/NDF:51919.1/6

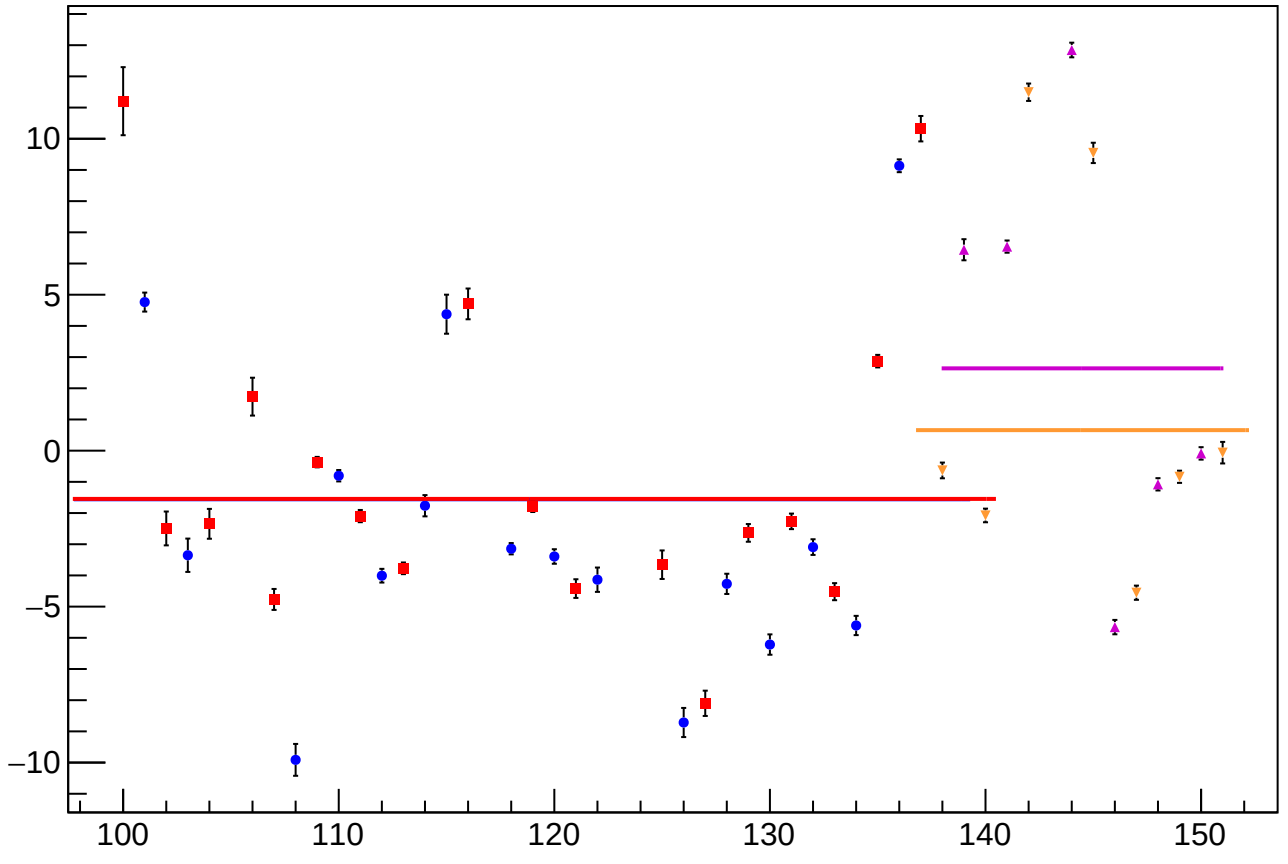
Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -23.471+/-0.102 χ^2/NDF:67780.8/5

\+ sign -2.561+/-0.055 χ^2/NDF: 193733.6/22

All: -2.476+/-0.038 χ^2/NDF: 393125.5/46

\- sign -2.405+/-0.051 χ^2/NDF: 199387.6/23



Right In: -1.558+/-0.069 χ^2/NDF: 4543.1/15

Left Out: 0.658+/-0.094 χ^2/NDF:3021.3/6

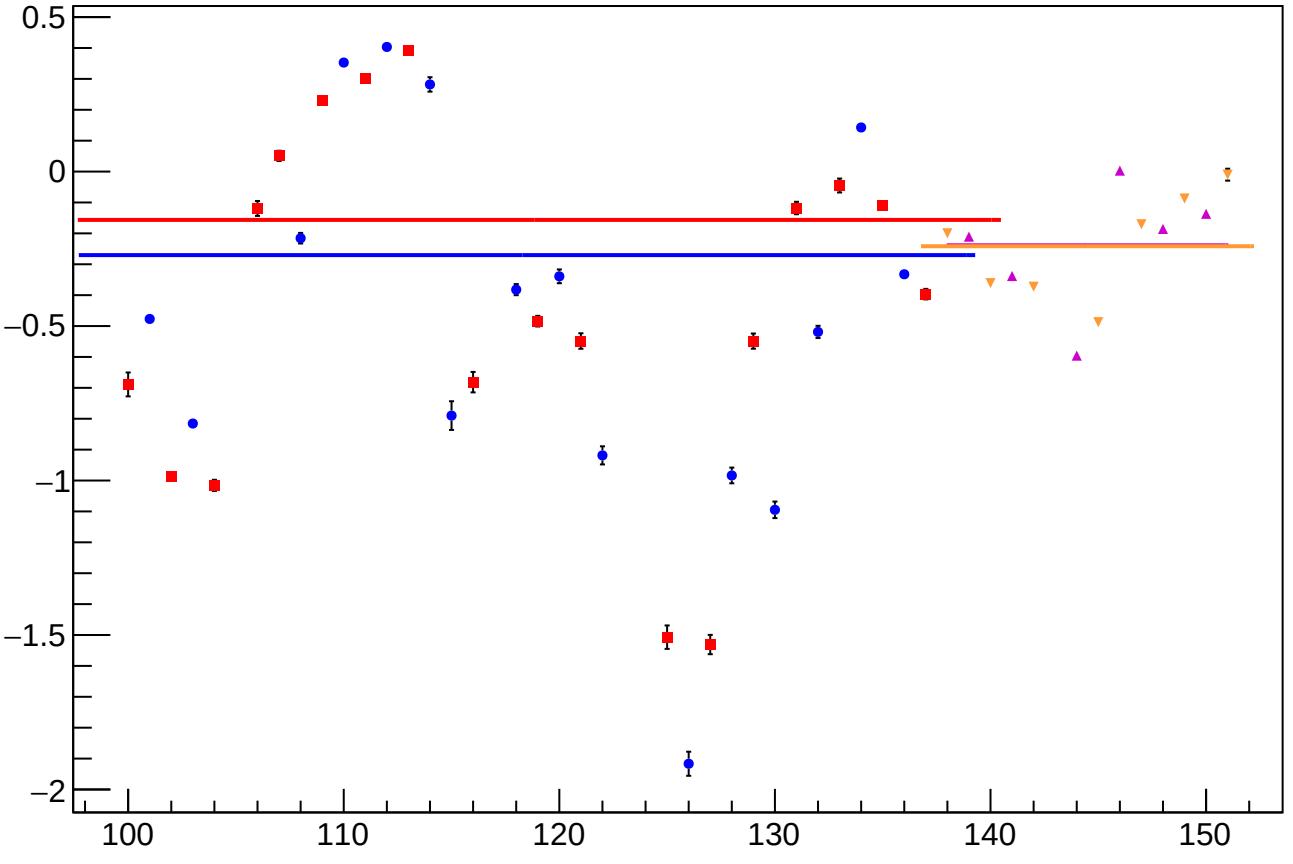
Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: 2.639+/-0.090 χ^2/NDF:4243.9/5

+ sign -0.781+/-0.056 χ^2/NDF: 7923.7/22

All: -0.438+/-0.038 χ^2/NDF: 16129.7/46

- sign -0.135+/-0.053 χ^2/NDF: 8134.8/23



Right In: -0.270+/-0.004 χ^2/NDF: 12096.8/15

Left Out: -0.242+/-0.004 χ^2/NDF:974.8/6

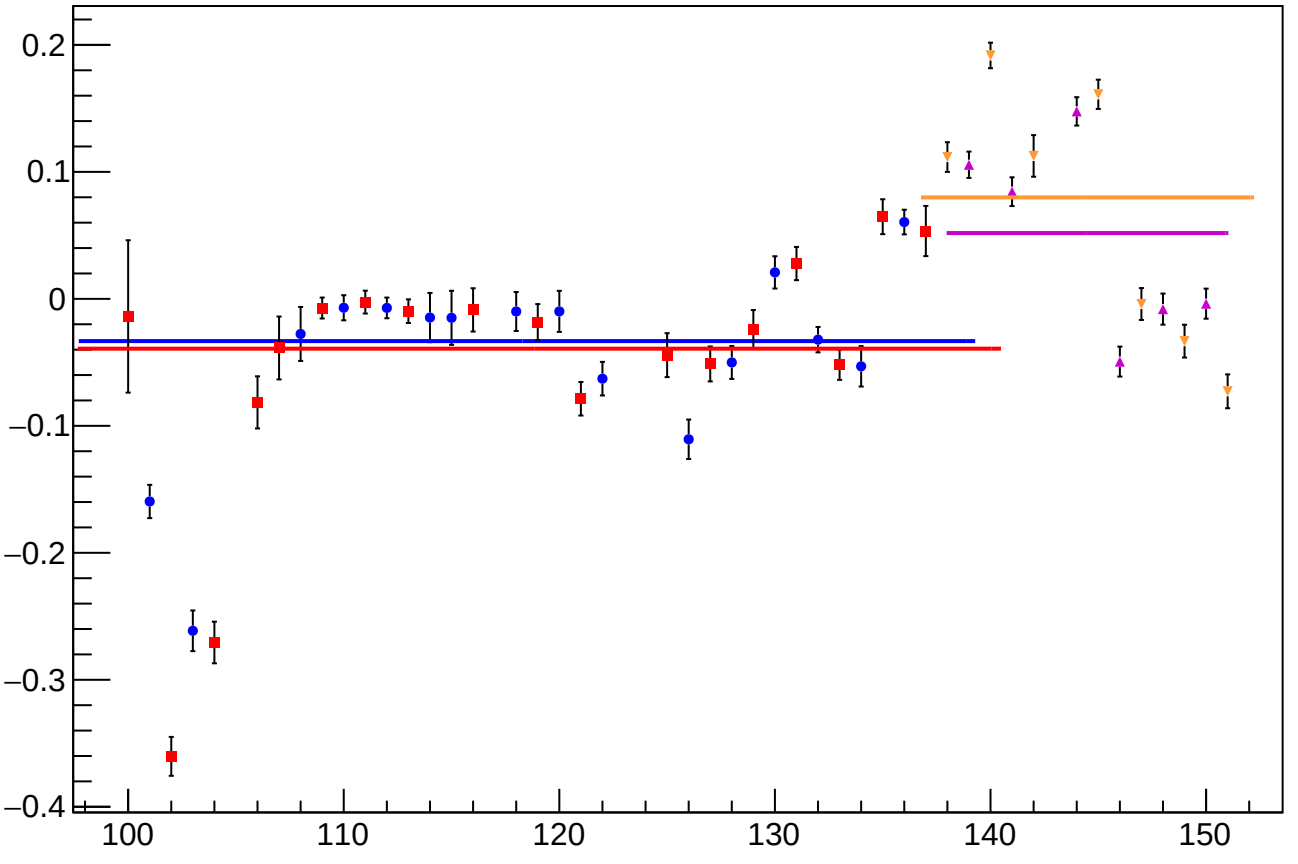
Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.239+/-0.004 χ^2/NDF:1400.0/5

+ sign -0.257+/-0.003 χ^2/NDF: 13094.4/22

All: -0.223+/-0.002 χ^2/NDF: 29974.4/46

- sign -0.195+/-0.003 χ^2/NDF: 16649.5/23



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.080+/-0.005 χ^2/NDF:437.0/6

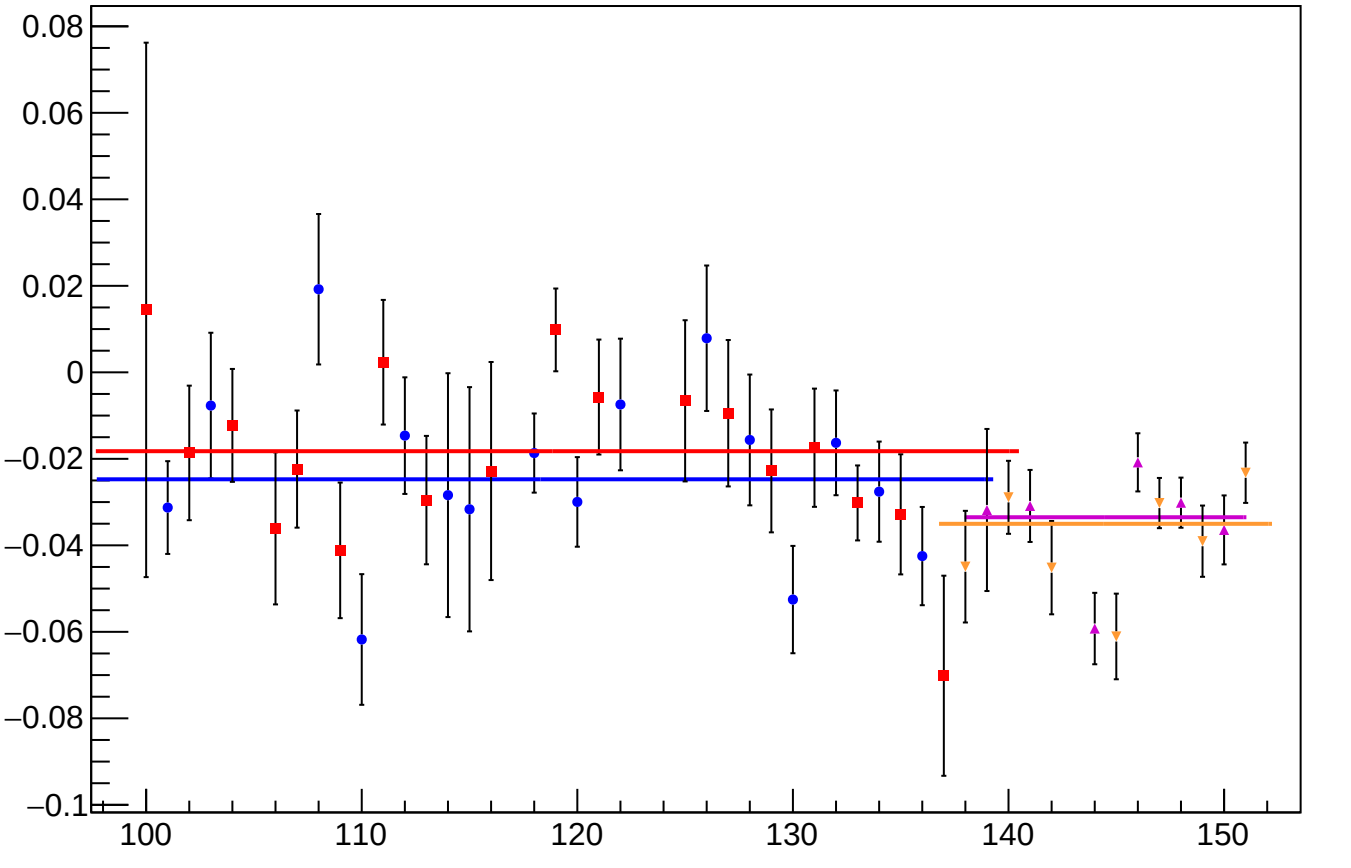
Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: 0.052+/-0.005 χ^2/NDF:228.3/5

+ sign 0.003+/-0.003 χ^2/NDF: 1302.0/22

All: -0.003+/-0.002 χ^2/NDF: 2611.8/46

- sign -0.010+/-0.003 χ^2/NDF: 1296.5/23



Right In: -0.025+/-0.003 χ^2/NDF: 28.5/15

Left Out: -0.035+/-0.003 χ^2/NDF:12.7/6

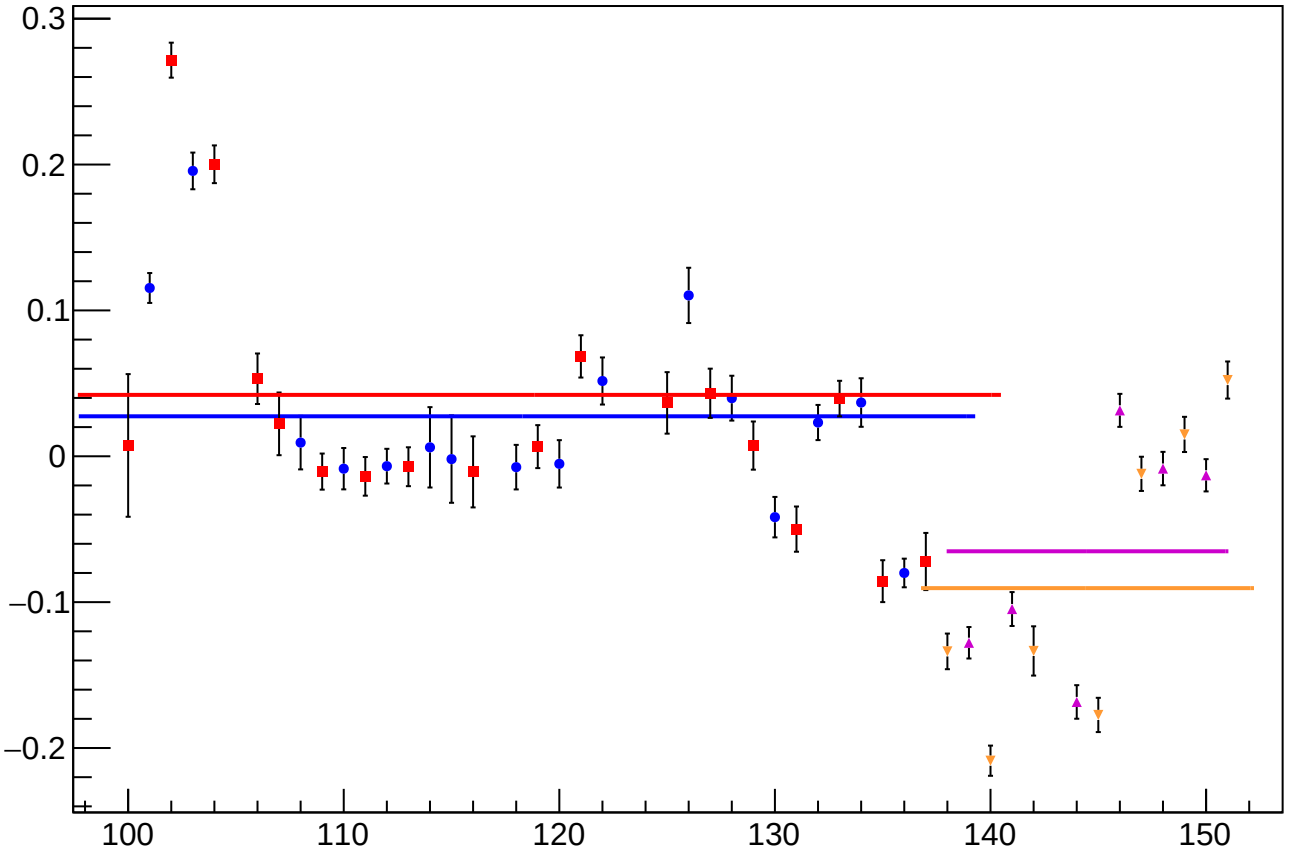
Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.034+/-0.003 χ^2/NDF:13.9/5

+ sign -0.030+/-0.002 χ^2/NDF: 46.4/22

All: -0.028+/-0.002 χ^2/NDF: 97.2/46

- sign -0.026+/-0.002 χ^2/NDF: 49.4/23



Right In: 0.027+/-0.004 χ^2/NDF: 446.1/15

Left Out: -0.090+/-0.005 χ^2/NDF:451.1/6

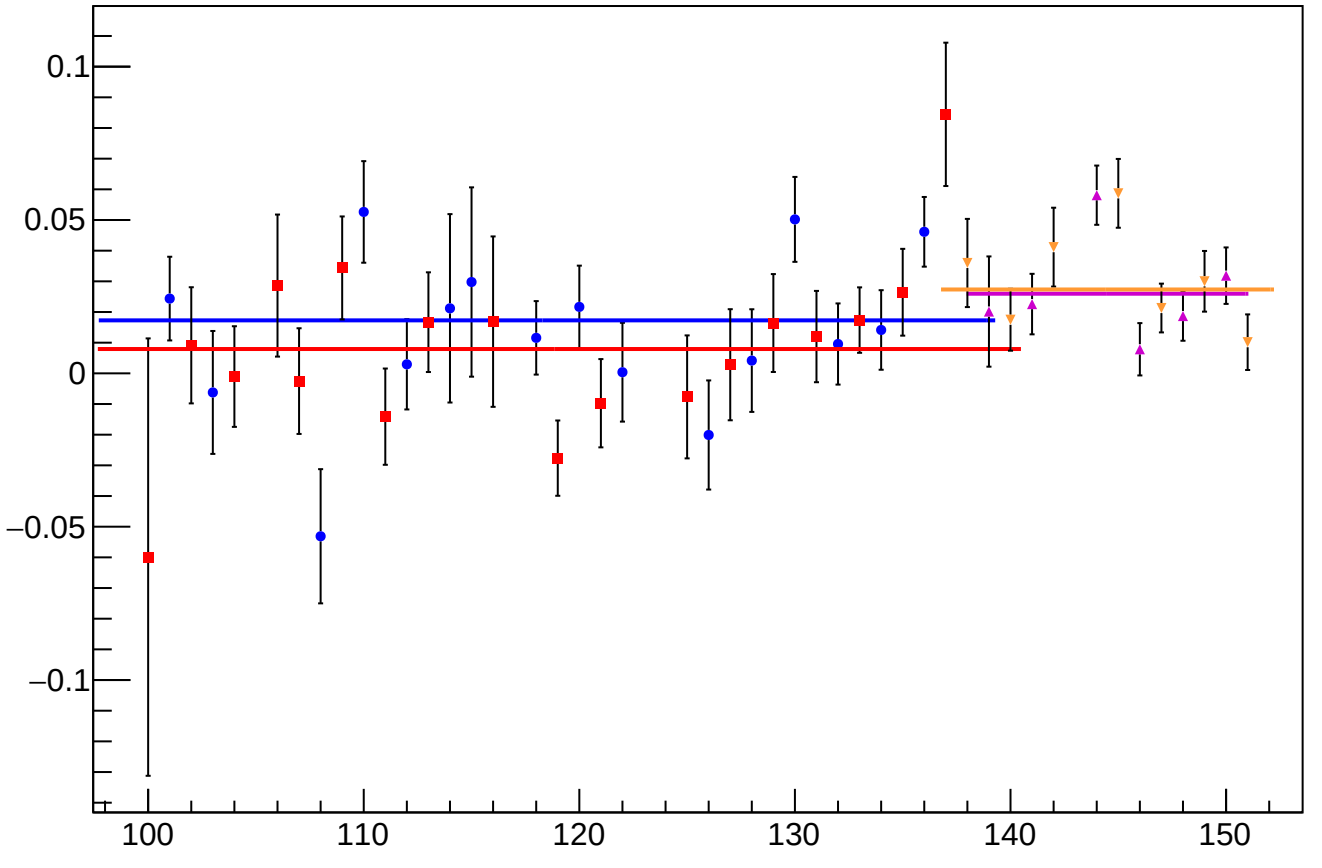
Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.065+/-0.005 χ^2/NDF:245.6/5

+ sign -0.017+/-0.003 χ^2/NDF: 1305.3/22

All: -0.008+/-0.002 χ^2/NDF: 2637.4/46

- sign 0.001+/-0.003 χ^2/NDF: 1312.6/23



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.027+/-0.004 χ^2/NDF:14.5/6

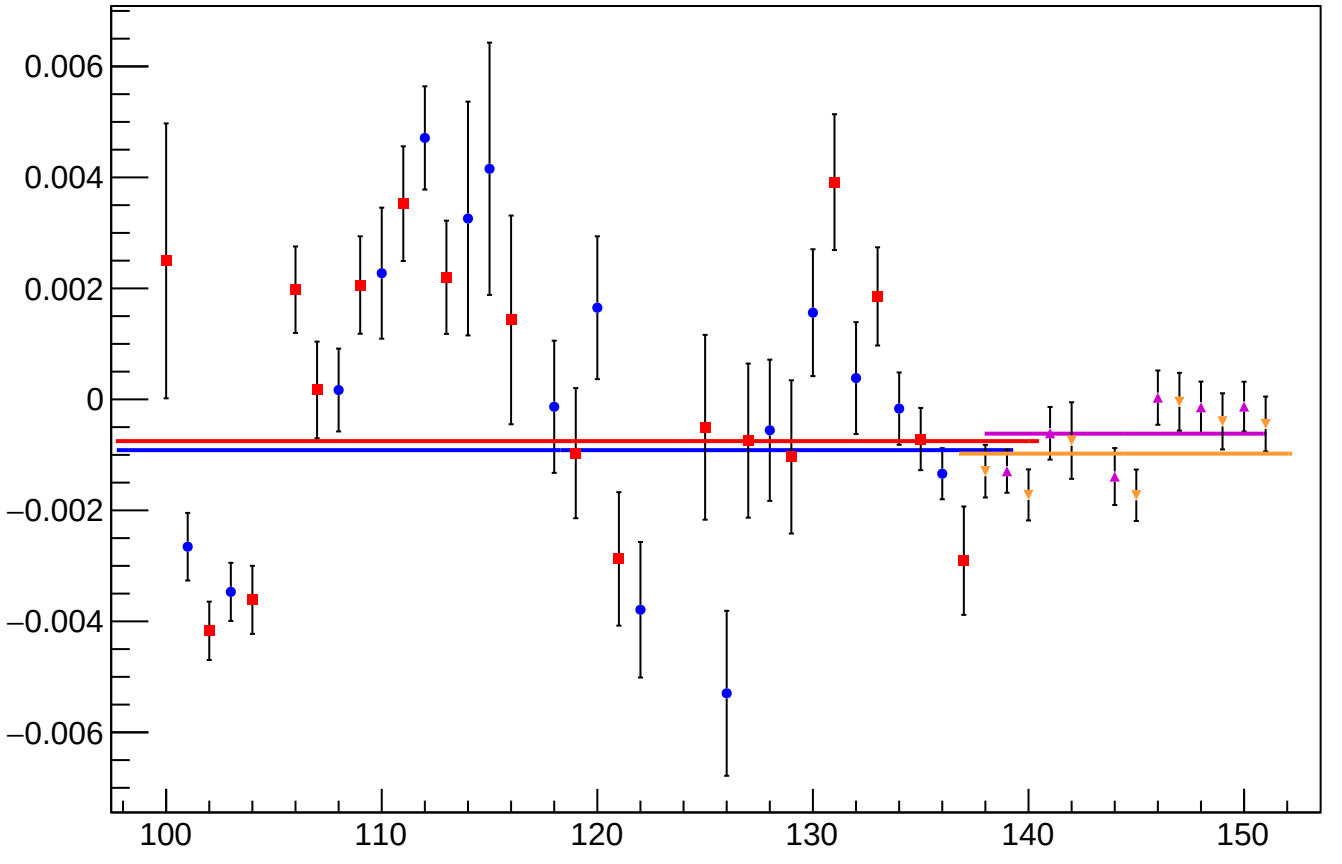
Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.026+/-0.004 χ^2/NDF:17.0/5

+ sign 0.022+/-0.003 χ^2/NDF: 54.6/22

All: 0.020+/-0.002 χ^2/NDF: 115.5/46

- sign 0.017+/-0.003 χ^2/NDF: 59.0/23



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.001+/-0.000 χ^2/NDF:11.5/6

Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

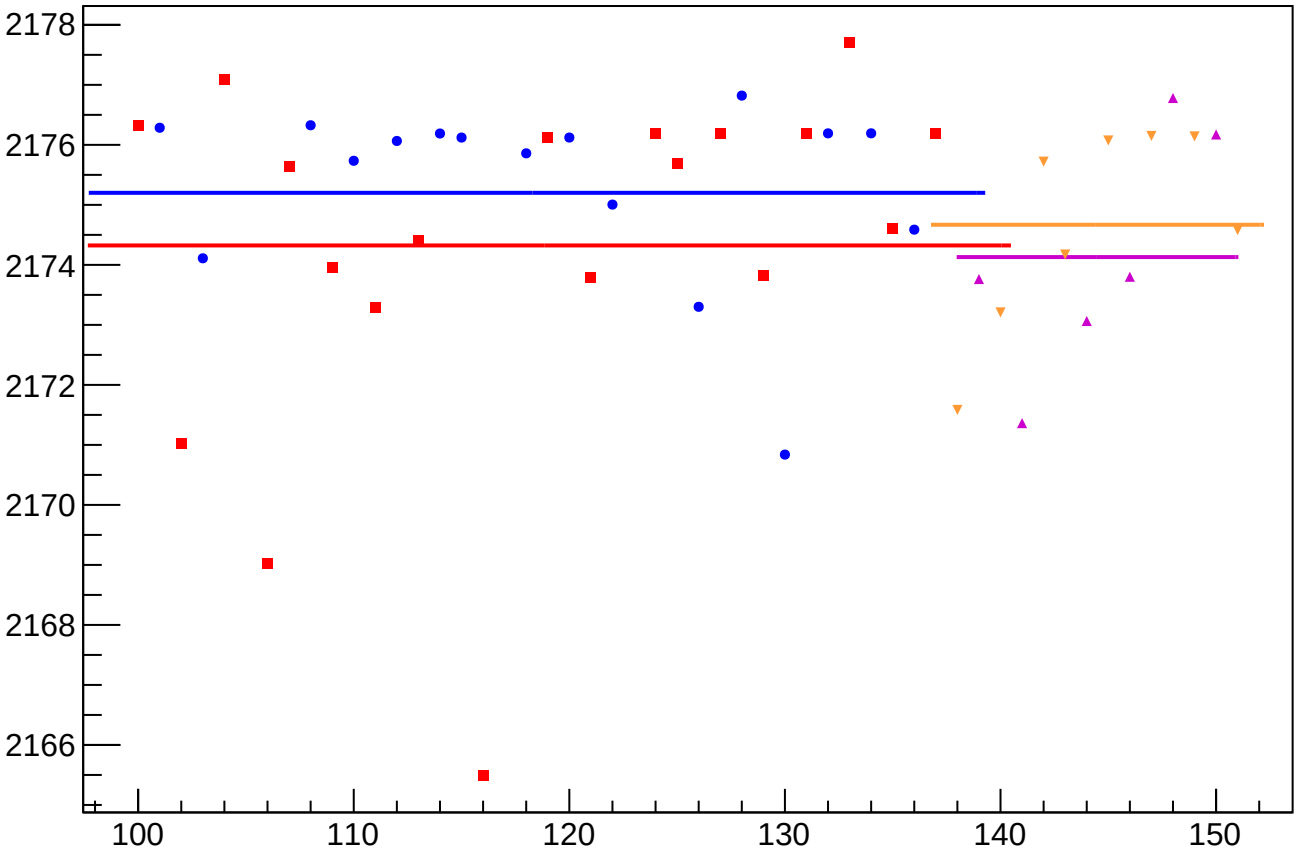
Left In: -0.001+/-0.000 χ^2/NDF:9.3/5

+ sign -0.001+/-0.000 χ^2/NDF: 125.6/22

All: -0.001+/-0.000 χ^2/NDF: 284.6/46

- sign -0.001+/-0.000 χ^2/NDF: 157.1/23

HALLA_p_mean vs Slug



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

Left Out: 2174.669+/-0.000 χ^2/NDF:157959418238497245006415535905177 6.0/7

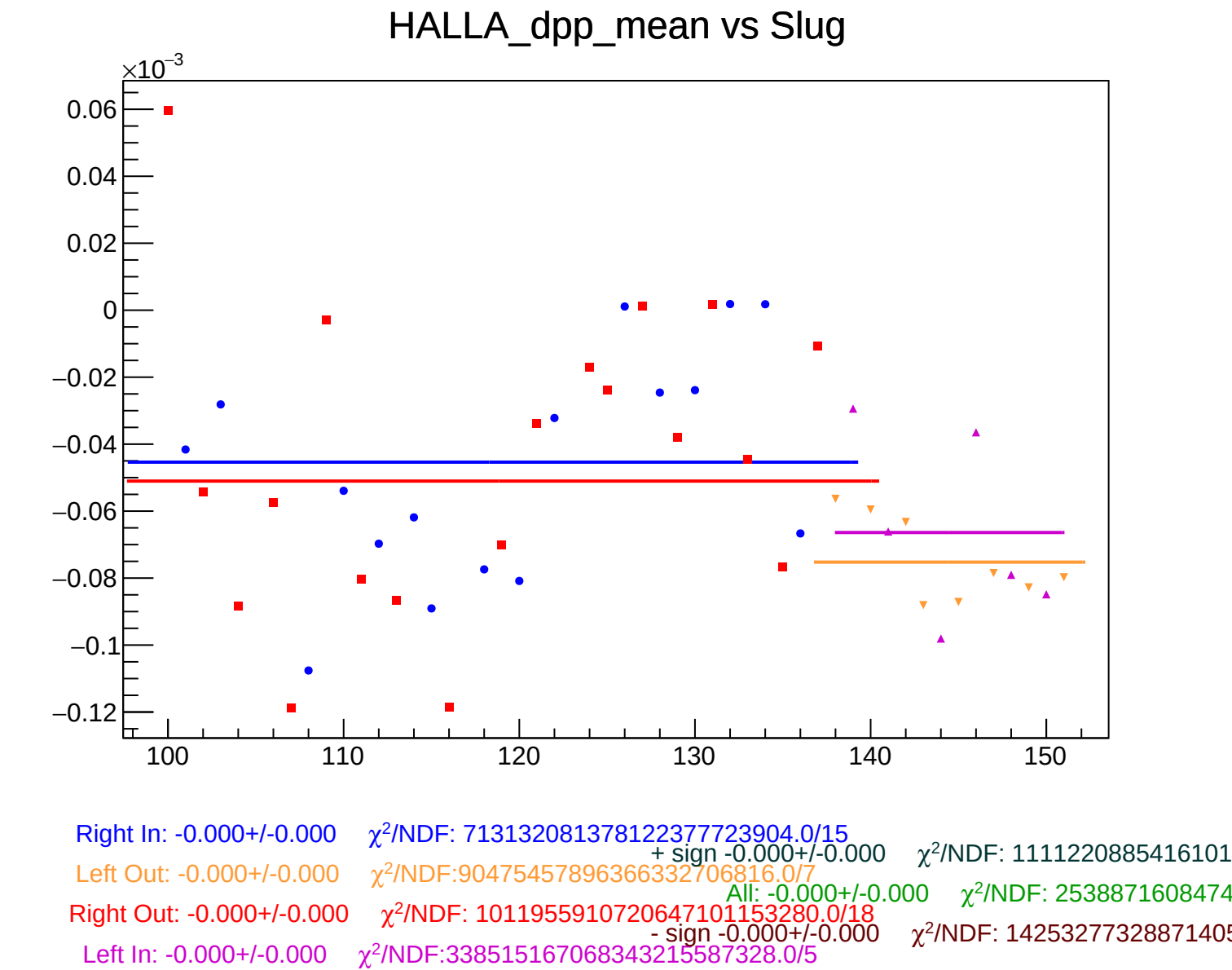
Right Out: 2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171827 2.0/18

Left In: 2174.130+/-0.000 χ^2/NDF:183875348723085190785132936770355 2.0/5

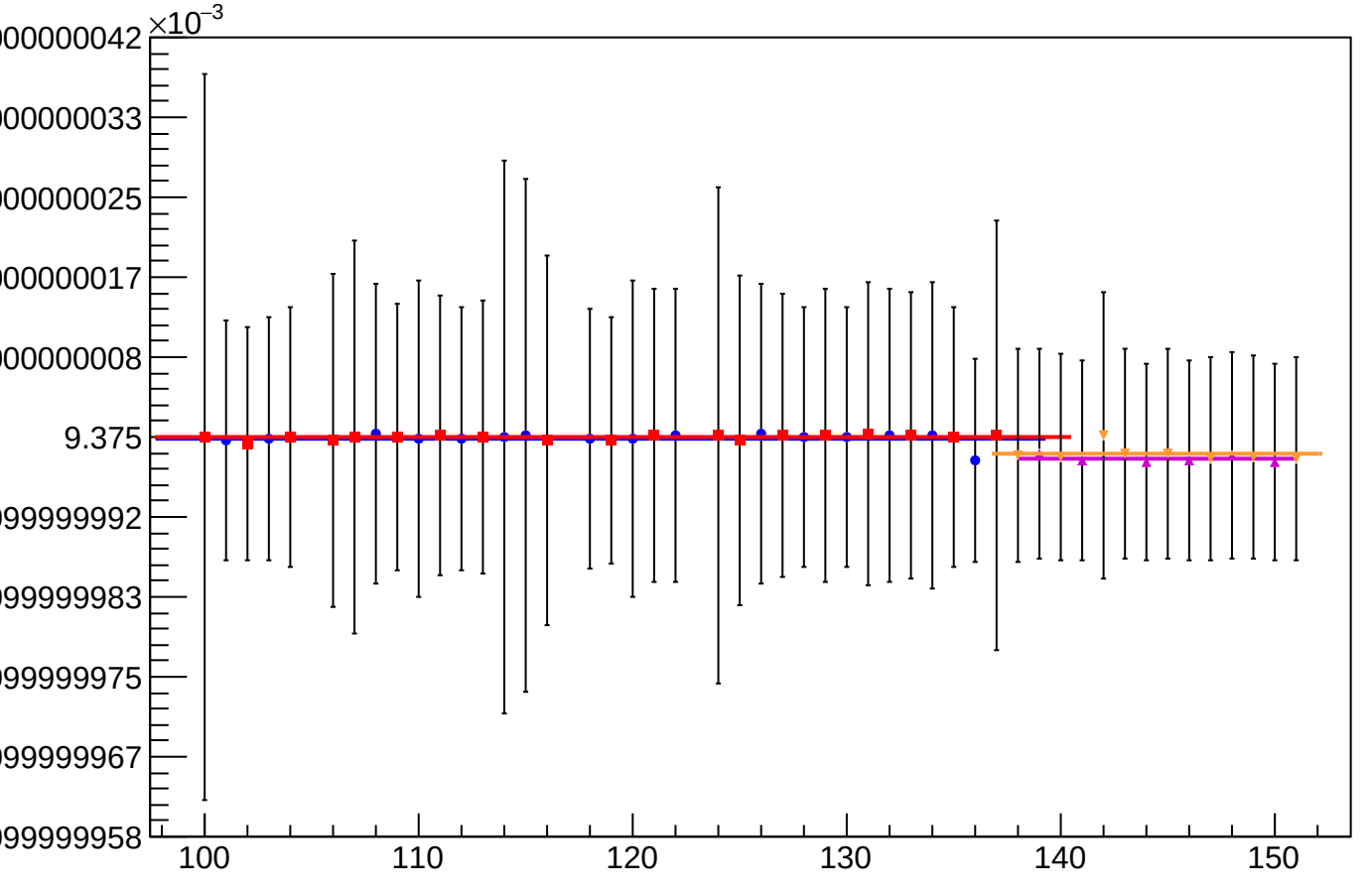
+ sign 2174.953+/-0.000 χ^2/NDF: 3443074637692

All: 2174.609+/-0.000 χ^2/NDF: 111751461

- sign 2174.243+/-0.000 χ^2/NDF: 73929337607741


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
Right In: -0.000+/-0.000 χ²/NDF: 7131320813781223777239040.0/15
+ sign -0.000+/-0.000 χ²/NDF: 1111220885416101
Left Out: -0.000+/-0.000 χ²/NDF:904754578963663327068160.0/7
All: -0.000+/-0.000 χ²/NDF: 2538871608474
Right Out: -0.000+/-0.000 χ²/NDF: 1011955910720647101153280.0/18
- sign -0.000+/-0.000 χ²/NDF: 1425327732887140
Left In: -0.000+/-0.000 χ²/NDF:33851516706834321558732 8.0/5

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:0.0/7

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

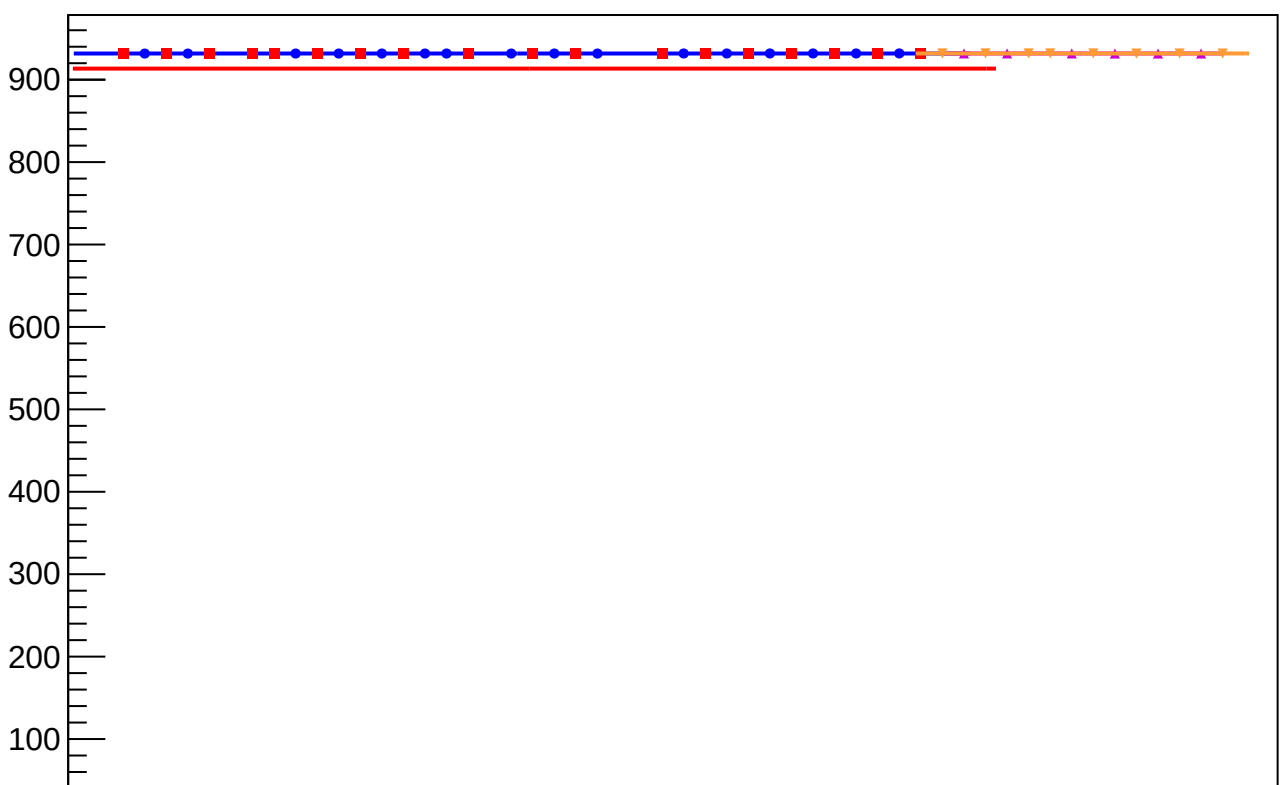
Left In: 0.009+/-0.000 χ^2/NDF:0.0/5

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/23

All: 0.009+/-0.000 χ^2/NDF: 0.4/48

- sign 0.009+/-0.000 χ^2/NDF: 0.2/24

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 931.769+/-0.000 χ^2/NDF: 2757217223595001187167685836800.0/15

+ sign 931.788+/-0.000 χ^2/NDF: 625238800596749

Left Out: 931.811+/-0.000 χ^2/NDF:2902216348034832295372787810304.0/7

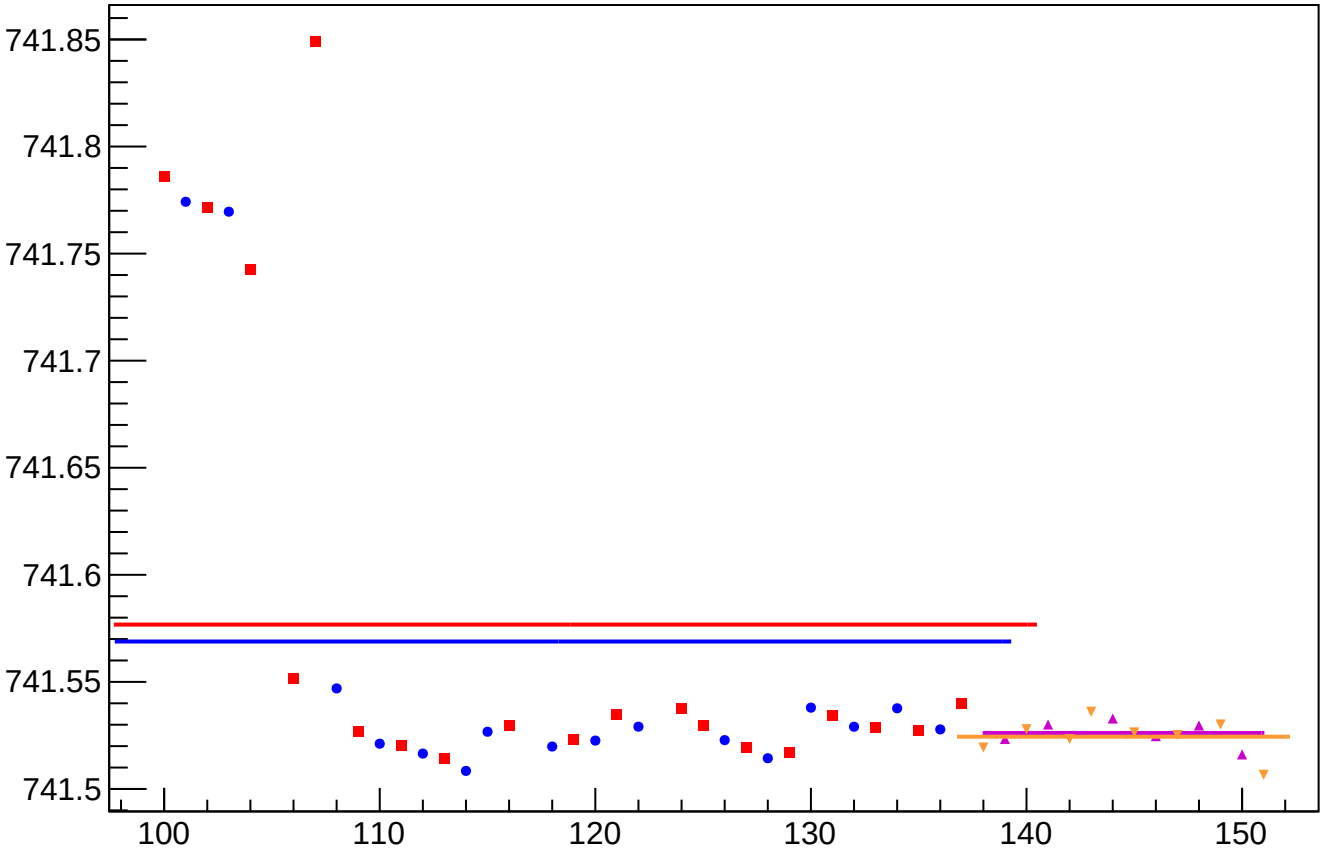
All: 926.597+/-0.000 χ^2/NDF: 12949970027

Right Out: 913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

- sign 921.088+/-0.000 χ^2/NDF: 128729222616109

Left In: 931.806+/-0.000 χ^2/NDF:22722131884333230613258064363520/5

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.569+/-0.000 χ^2/NDF: 643295117612794706193889938636 8.0/15

Left Out: 741.524+/-0.000 χ^2/NDF:4573943324832592340319626854 4.0/7

Right Out: 741.577+/-0.000 χ^2/NDF: 769226394789261471153747761561 6.0/18

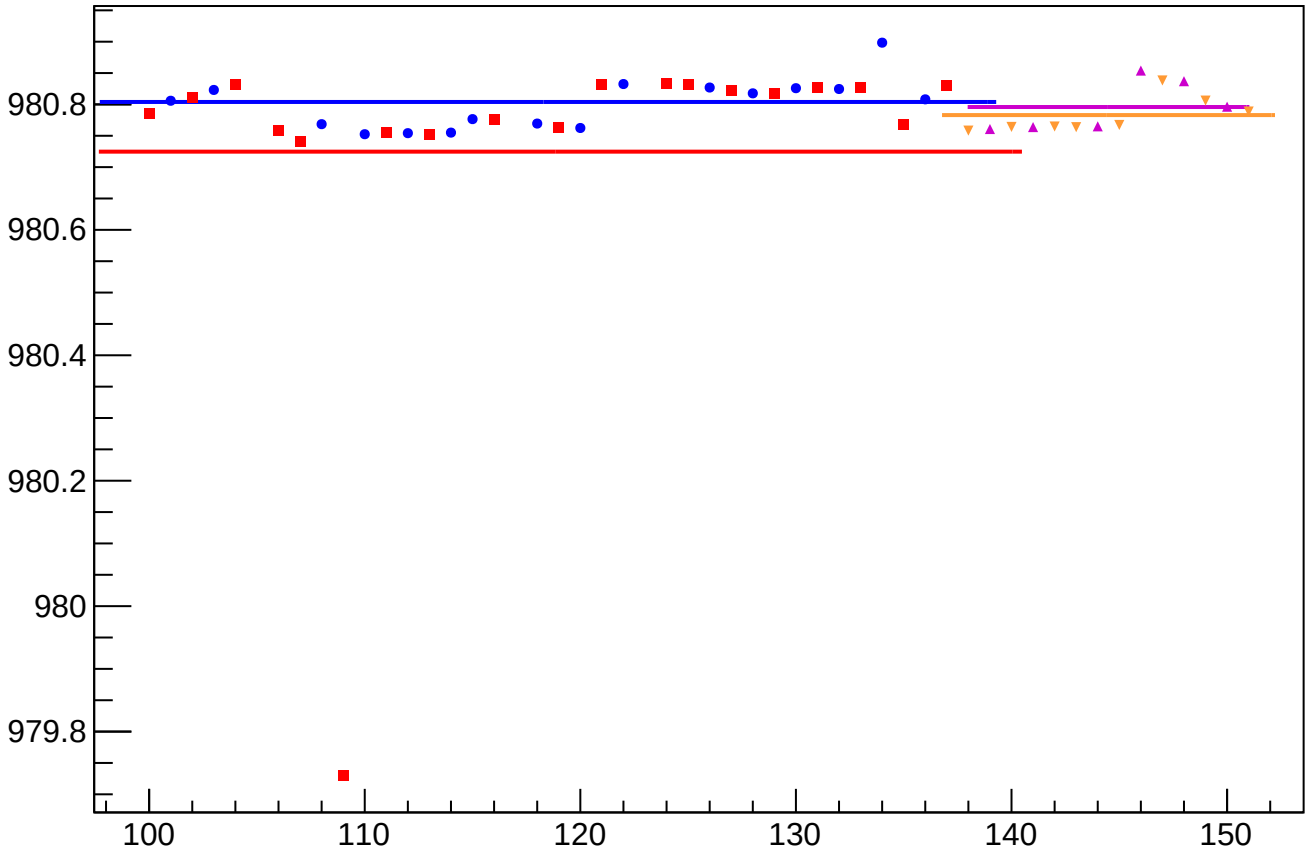
Left In: 741.526+/-0.000 χ^2/NDF:171886560422736584730445086 72.0/5

+ sign 741.548+/-0.000 χ^2/NDF: 716065477578933

All: 741.552+/-0.000 χ^2/NDF: 1572155066 90

- sign 741.556+/-0.000 χ^2/NDF: 852259473932450

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.804+/-0.000 χ^2/NDF: 9333132768848077867742459330560.0/15

Left Out: 980.783+/-0.000 χ^2/NDF:4662111843899069520287681740800.0/7

Right Out: 980.725+/-0.000 χ^2/NDF: 560402056173583362216628762705920.0/18

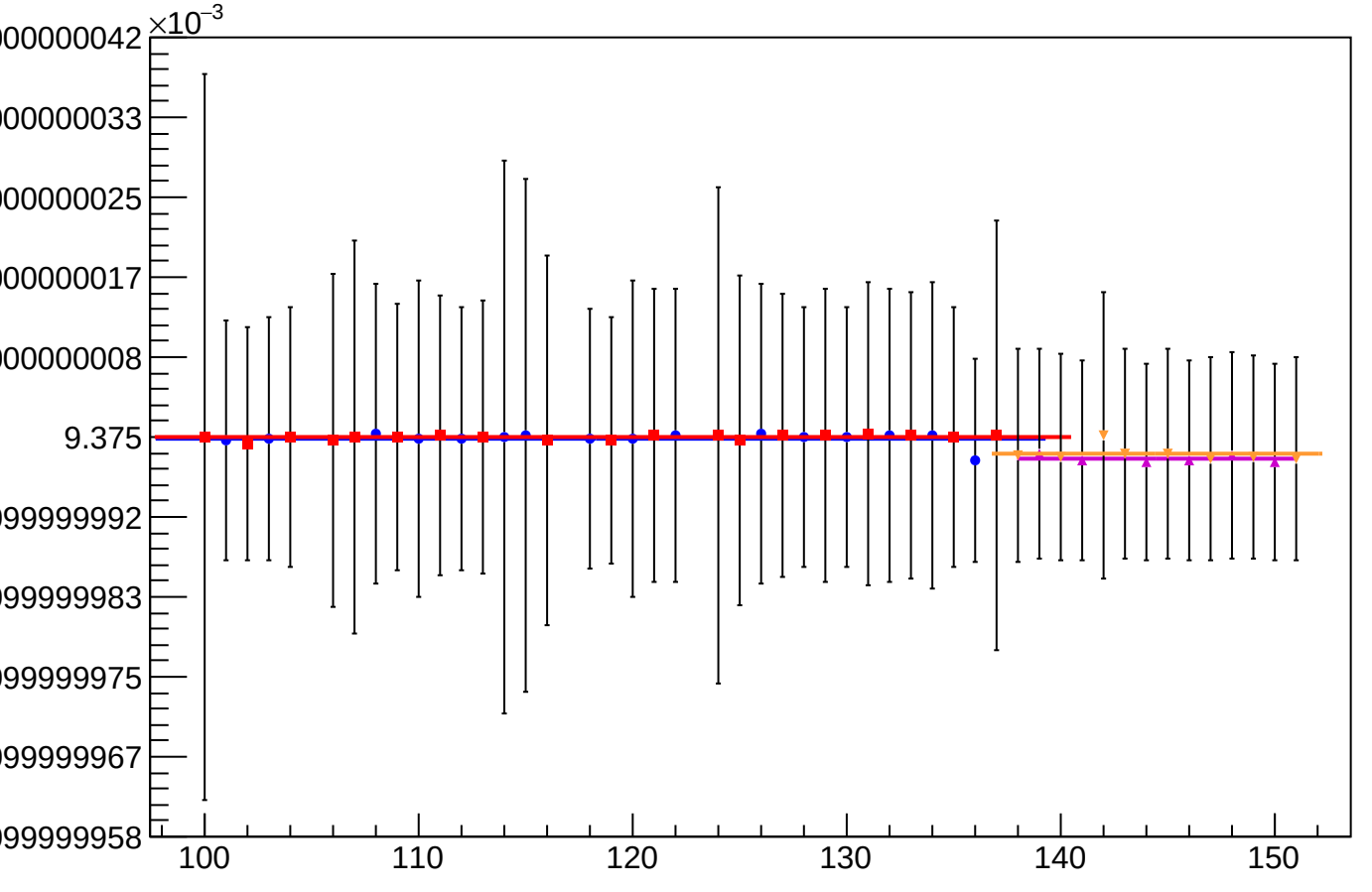
Left In: 980.796+/-0.000 χ^2/NDF:7425843801970455367293736058880.0/5

+ sign 980.794+/-0.000 χ^2/NDF: 155052918613342

All: 980.775+/-0.000 χ^2/NDF: 6101069496140

- sign 980.754+/-0.000 χ^2/NDF: 583912536857836

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:0.0/7

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

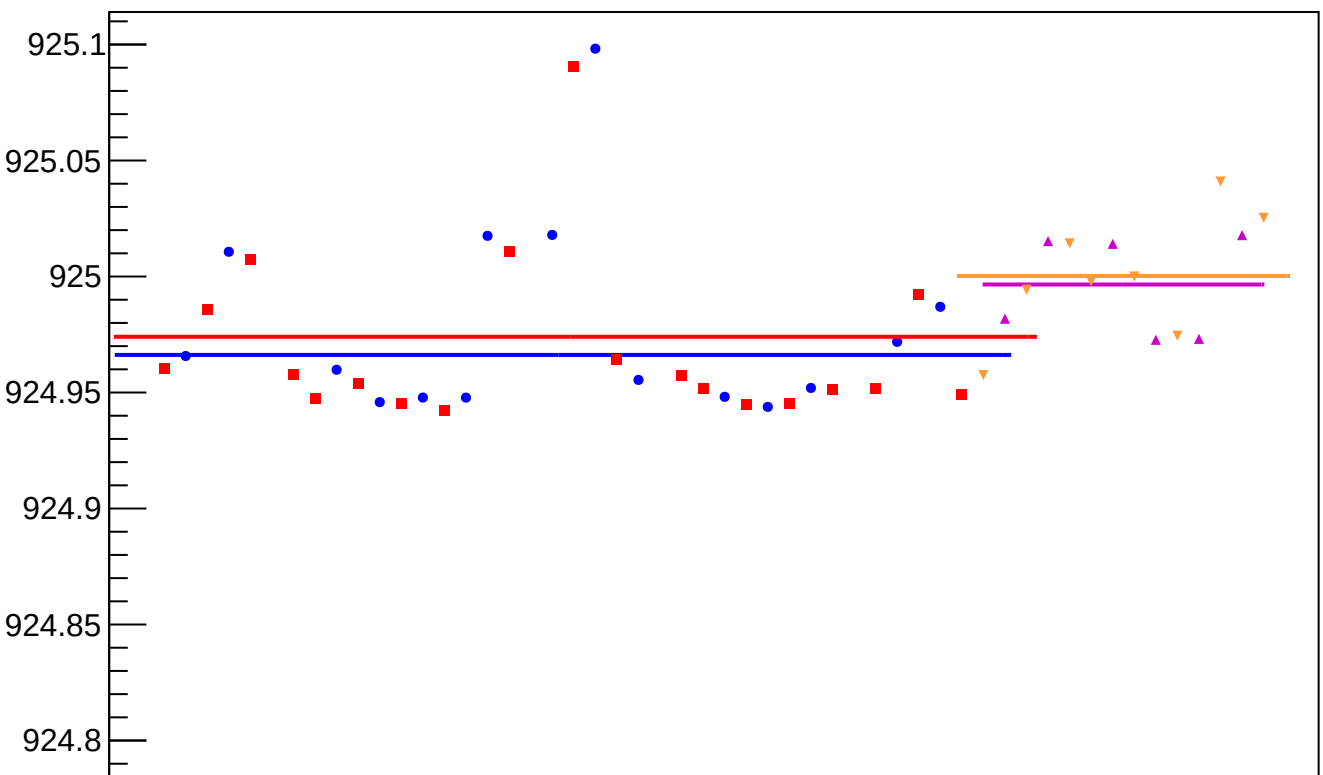
Left In: 0.009+/-0.000 χ^2/NDF:0.0/5

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/23

All: 0.009+/-0.000 χ^2/NDF: 0.4/48

- sign 0.009+/-0.000 χ^2/NDF: 0.2/24

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.966+/-0.000 χ^2/NDF: 2544370508087658800533037121536.0/15

Left Out: 925.000+/-0.000 χ^2/NDF:42140790764778014522850725068 8.0/7

Right Out: 924.974+/-0.000 χ^2/NDF: 124198152111689090023635183206 4.0/18

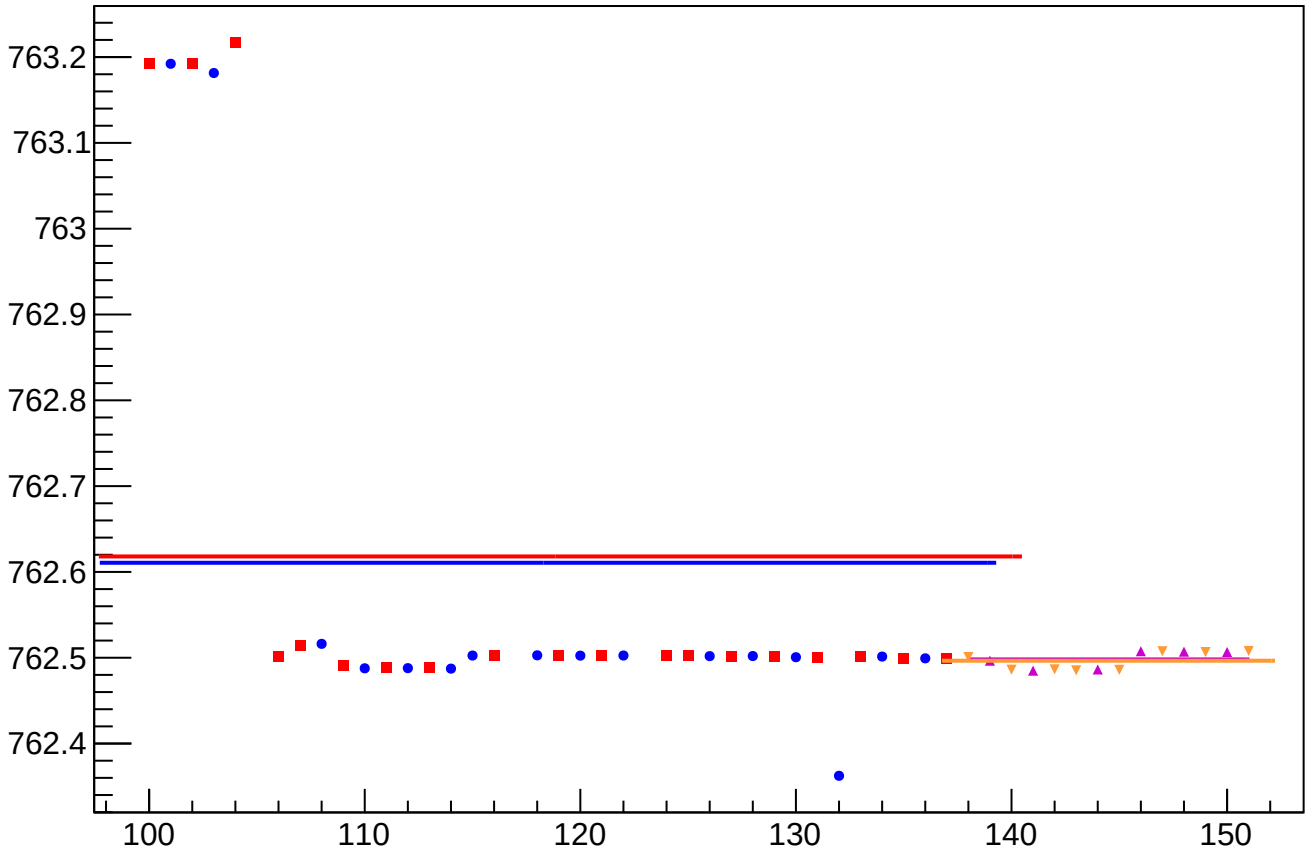
Left In: 924.997+/-0.000 χ^2/NDF:22175677261369308901335996825 6.0/5

+ sign 924.982+/-0.000 χ^2/NDF: 336540784447871

All: 924.983+/-0.000 χ^2/NDF: 499154056430

- sign 924.983+/-0.000 χ^2/NDF: 162489589550431

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.611+/-0.000 χ^2/NDF: 52161453489138778834460408283136.0/15

Left Out: 762.497+/-0.000 χ^2/NDF:66683960753765143396252385280.0/7

Right Out: 762.618+/-0.000 χ^2/NDF: 53134338532630395841297843748864.0/18

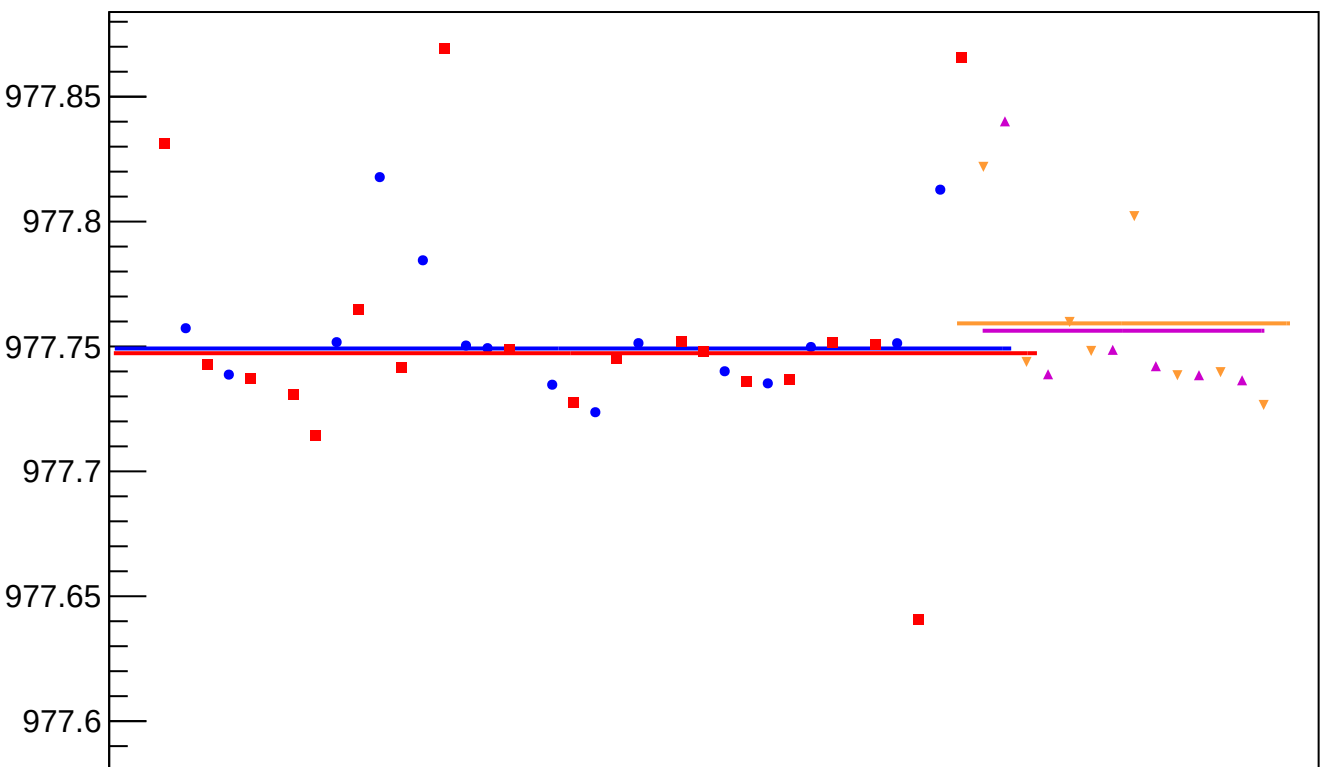
Left In: 762.498+/-0.000 χ^2/NDF:51843637384358747032877268992.0/5

+ sign 762.558+/-0.000 χ^2/NDF: 567268400838660

All: 762.563+/-0.000 χ^2/NDF: 114560910081

- sign 762.568+/-0.000 χ^2/NDF: 577587543268080

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.749+/-0.000 χ^2/NDF: 19595783310723160744482245181440.0/15

Left Out: 977.759+/-0.000 χ^2/NDF:669606273666171742542511472640.0/7

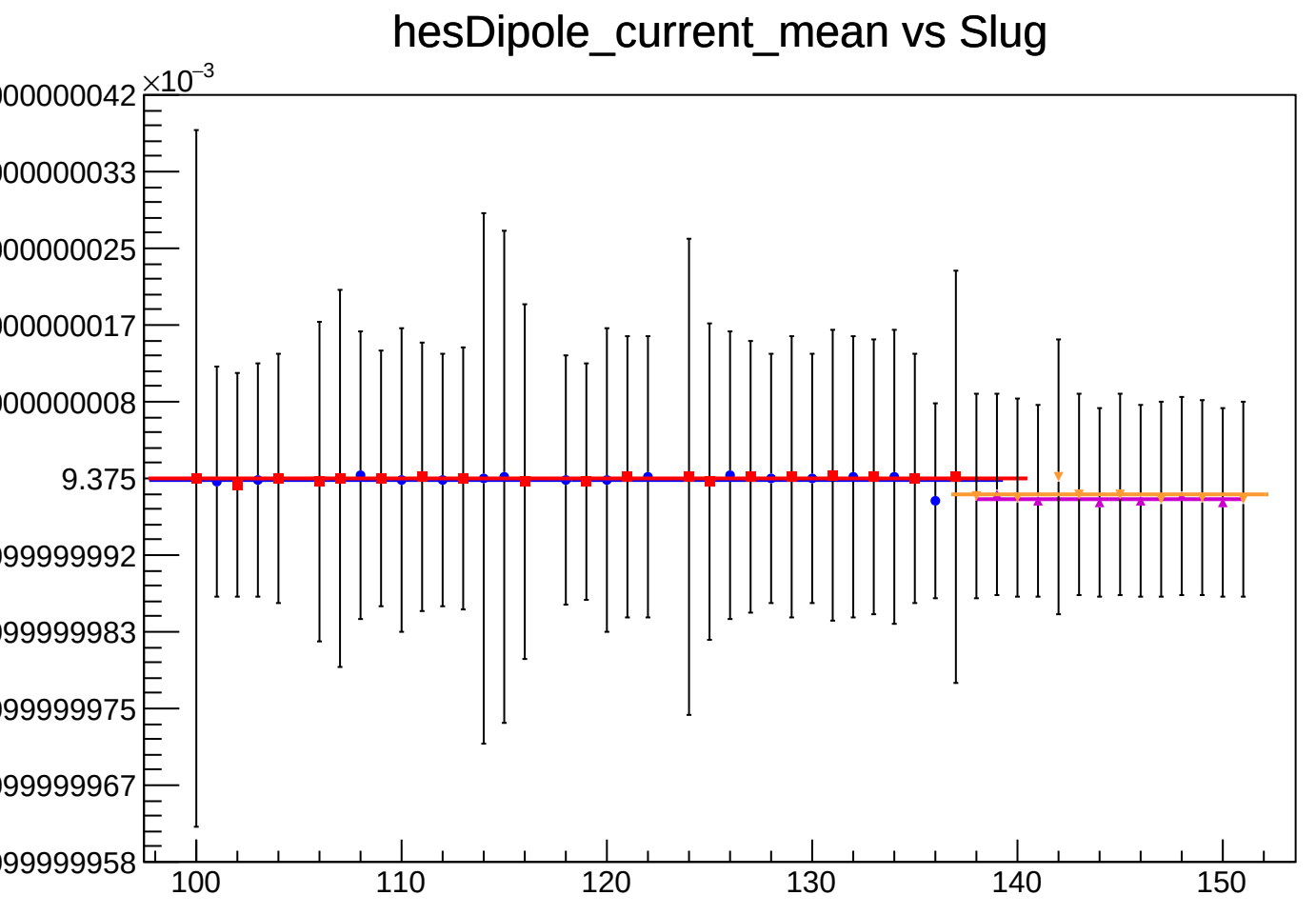
Right Out: 977.747+/-0.000 χ^2/NDF: 178222687781691472632796623667 2.0/18

Left In: 977.756+/-0.000 χ^2/NDF:706773857901233708681041805312.0/5

+ sign 977.754+/-0.000 χ^2/NDF: 266404891423106

All: 977.753+/-0.000 χ^2/NDF: 5184138482 09

- sign 977.751+/-0.000 χ^2/NDF: 251472414141383



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/7

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

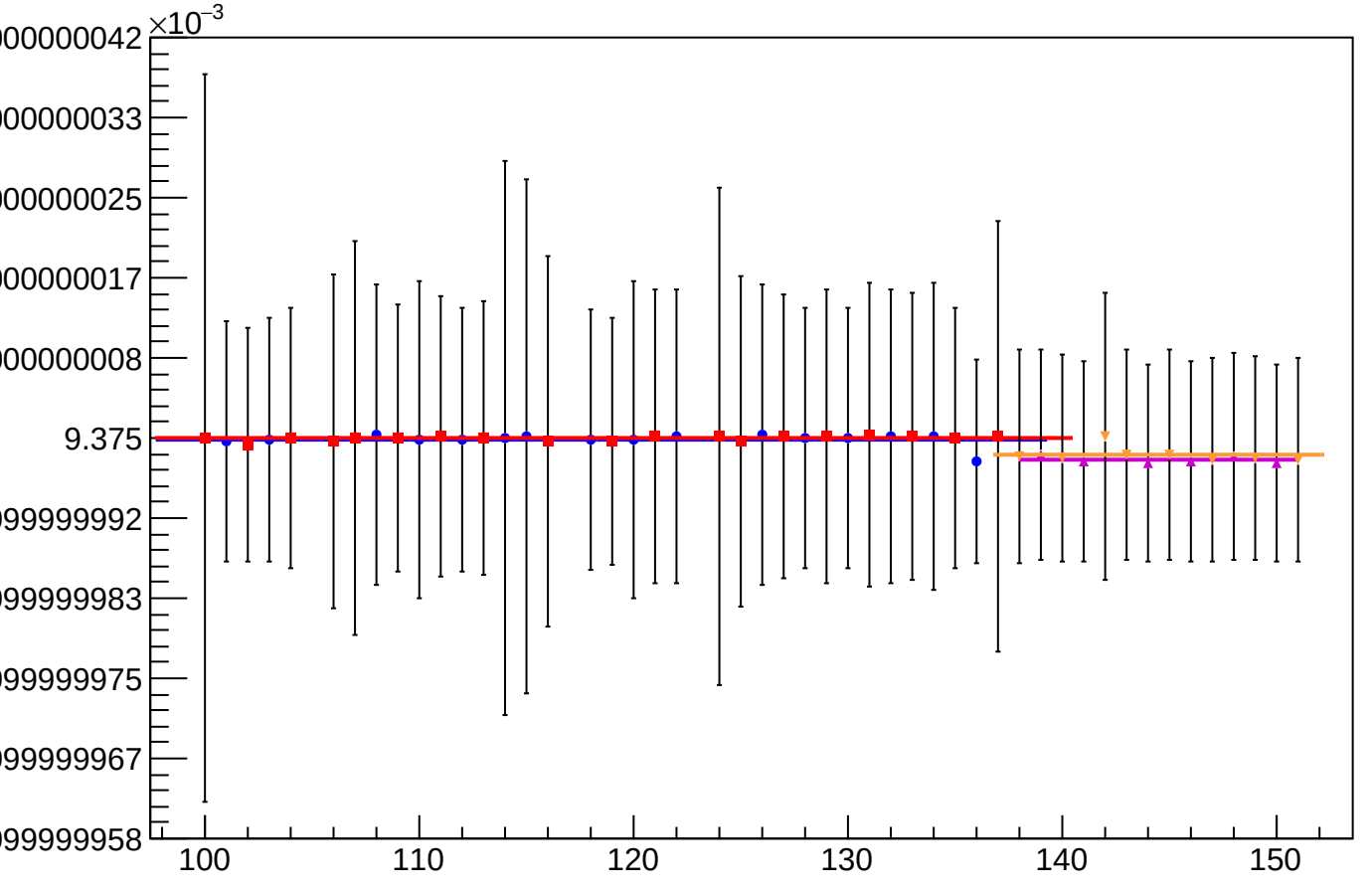
Left In: 0.009+/-0.000 χ^2/NDF:0.0/5

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/23

All: 0.009+/-0.000 χ^2/NDF: 0.4/48

- sign 0.009+/-0.000 χ^2/NDF: 0.2/24

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:0.0/7

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: 0.009+/-0.000 χ^2/NDF:0.0/5

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/23

All: 0.009+/-0.000 χ^2/NDF: 0.4/48

- sign 0.009+/-0.000 χ^2/NDF: 0.2/24

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:3257427.6/7

Right Out: 88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

Left In: -90.599+/-0.000 χ^2/NDF:854443.6/5

+ sign 4.817+/-0.000 χ^2/NDF: 1100872882520546

All: 9.110+/-0.000 χ^2/NDF: 211917483138

- sign 13.665+/-0.000 χ^2/NDF: 1013033741555364

Right In: -29.085+/-0.000 χ^2/NDF: 109436788525160987735503641195315 2.0/15

Left Out: -29.641+/-0.000 χ^2/NDF:157885.8/7

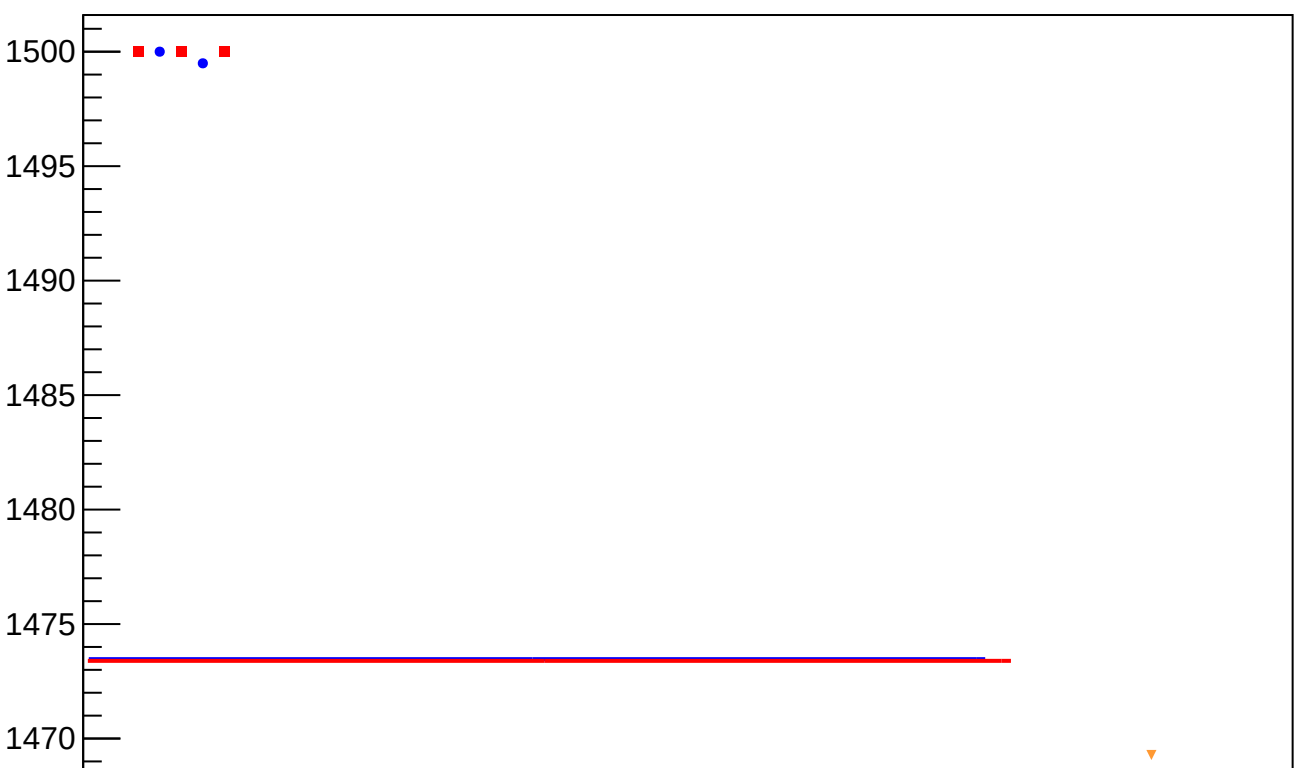
Right Out: -29.093+/-0.000 χ^2/NDF: 112523815674969284979780589977600 0.0/18

Left In: -29.641+/-0.000 χ^2/NDF:24625.1/5

+ sign -29.344+/-0.000 χ^2/NDF: 120079083967453

All: -29.333+/-0.000 χ^2/NDF: 242168316843

- sign -29.321+/-0.000 χ^2/NDF: 122053274001530



Right In: 1473.467+/-0.000 χ^2/NDF: 10689419486070617687848579370477158 4.0/15

+ sign 1470.995+/-0.000 χ^2/NDF: 1167464328743 5

Left Out: 1468.159+/-0.000 χ^2/NDF:1282989116609817094244512259112 96.0/7

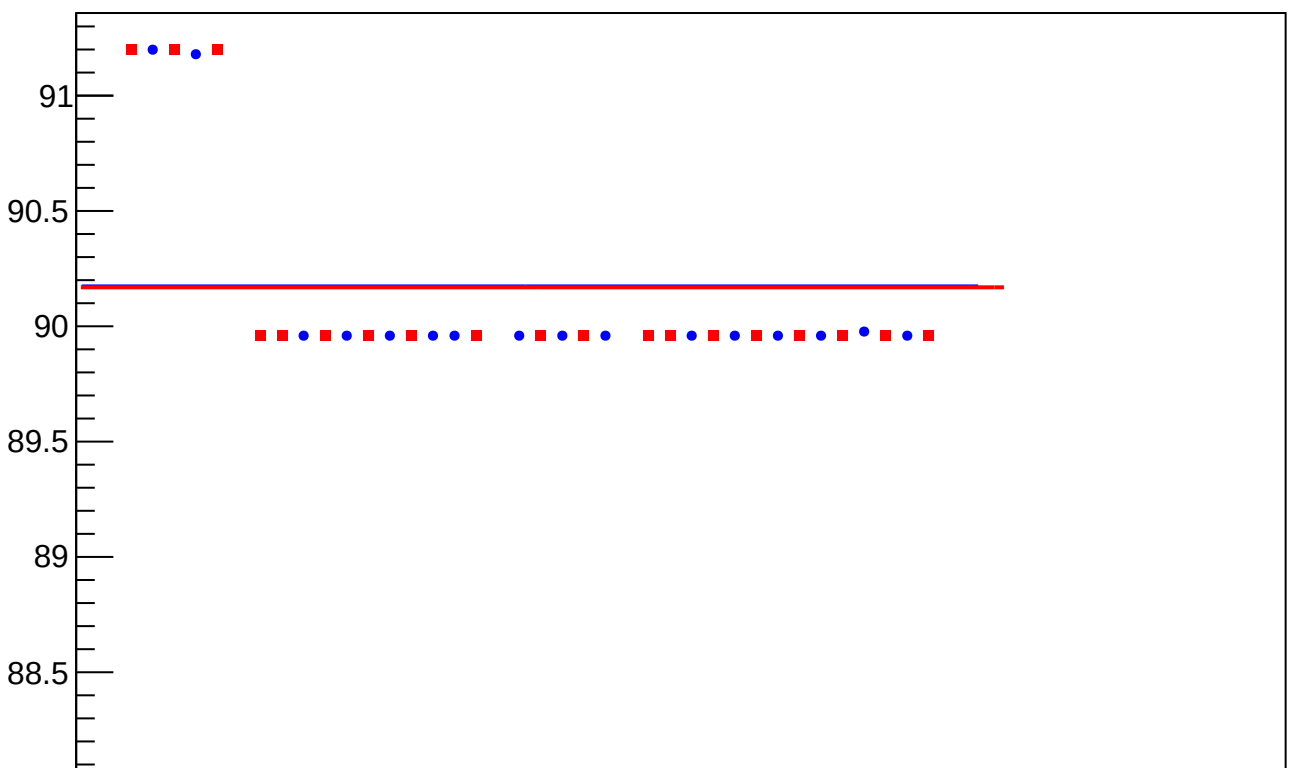
All: 1471.065+/-0.000 χ^2/NDF: 235978054 43

Right Out: 1473.393+/-0.000 χ^2/NDF: 1099094997334010787610678433006223 36.0/18

- sign 1471.140+/-0.000 χ^2/NDF: 11921755590907

Left In: 1467.979+/-0.000 χ^2/NDF:48028174.3/5

Phi_FG_mean vs Slug



Right In: 90.173+/-0.000 χ^2/NDF: 160010492173064584437589858058240.0/15

Left Out: 88.021+/-0.000 χ^2/NDF:2413889.1/7

Right Out: 90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

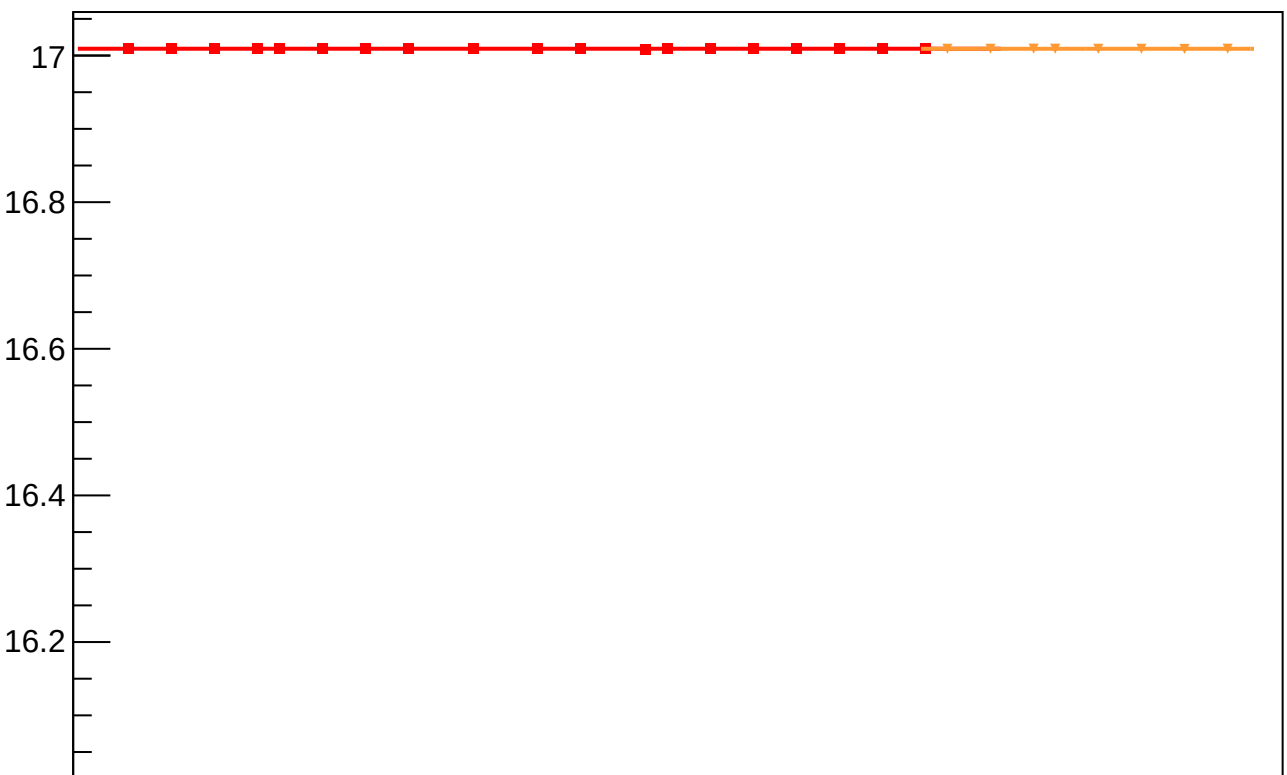
Left In: 88.021+/-0.000 χ^2/NDF:510929.4/5

+ sign 89.170+/-0.000 χ^2/NDF: 1758392513593068

All: 89.221+/-0.000 χ^2/NDF: 3396131188517

- sign 89.275+/-0.000 χ^2/NDF: 1630408467499103

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:5124389016515704745099264.0/7

Right Out: 17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

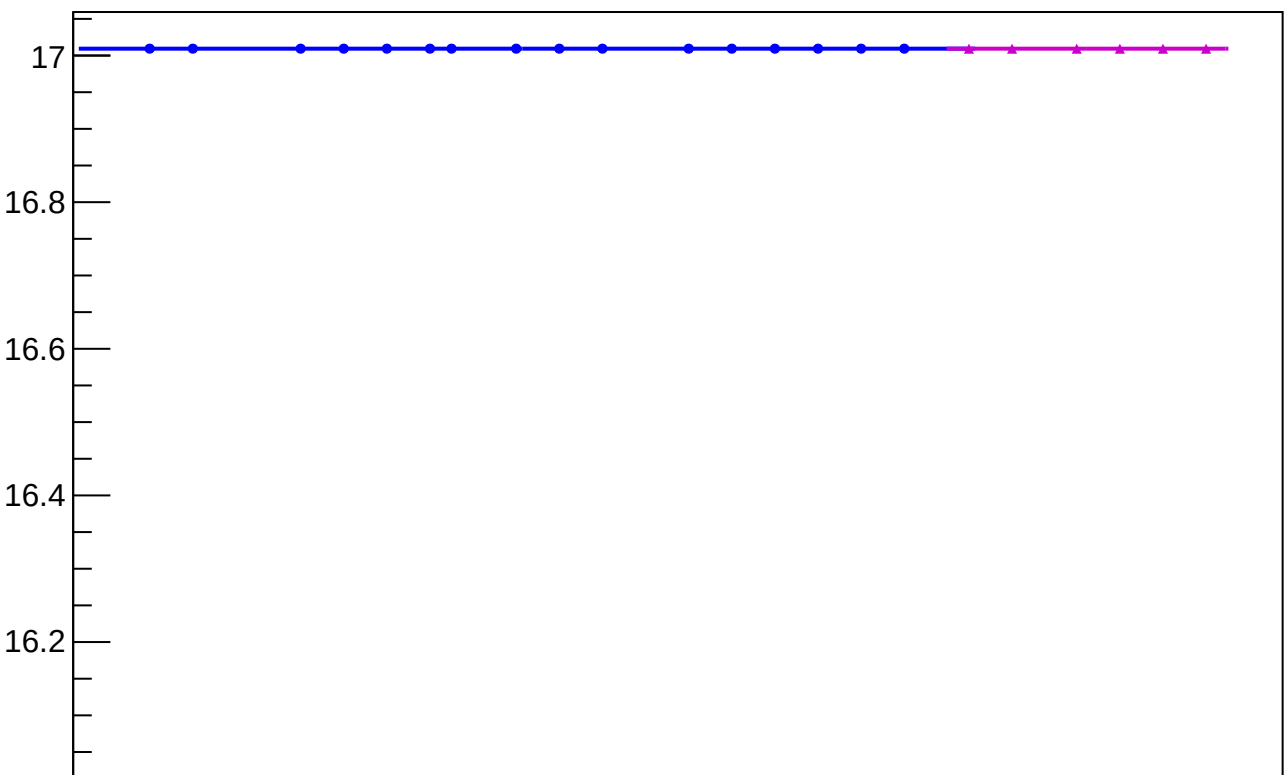
Left In: 16.009+/-0.000 χ^2/NDF:54273.6/5

+ sign 16.466+/-0.000 χ^2/NDF: 3201770608013462

All: 16.523+/-0.000 χ^2/NDF: 623122565801

- sign 16.585+/-0.000 χ^2/NDF: 2940690569689952

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:42005.3/7

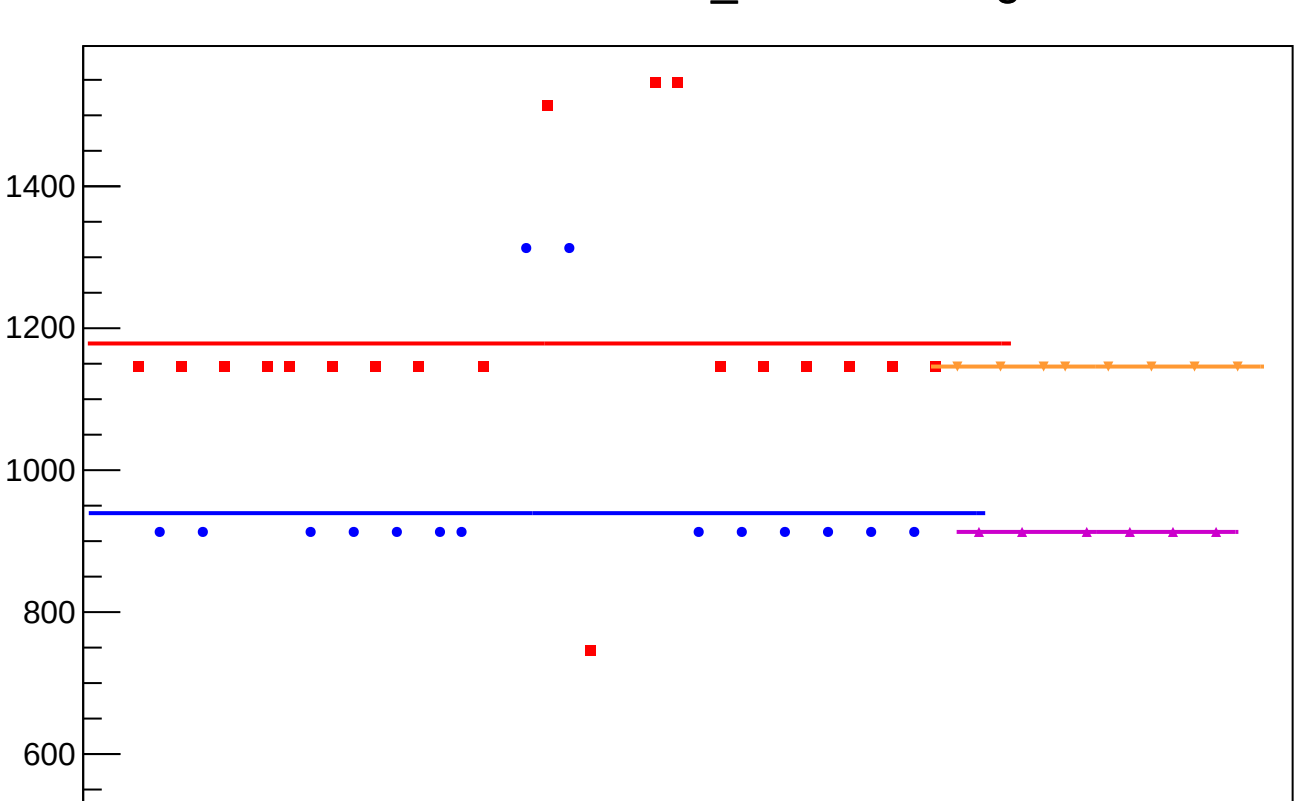
Right Out: 16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: 17.009+/-0.000 χ^2/NDF:9365.4/5

+ sign 16.535+/-0.000 χ^2/NDF: 3350885416666660

All: 16.482+/-0.000 χ^2/NDF: 659764261428

- sign 16.427+/-0.000 χ^2/NDF: 3168810437451765



Right In: 939.446+/-0.000 χ^2/NDF: 21082933856092788763552768673189986304.0/15

+ sign 1035.654+/-0.000 χ^2/NDF: 35808956905805

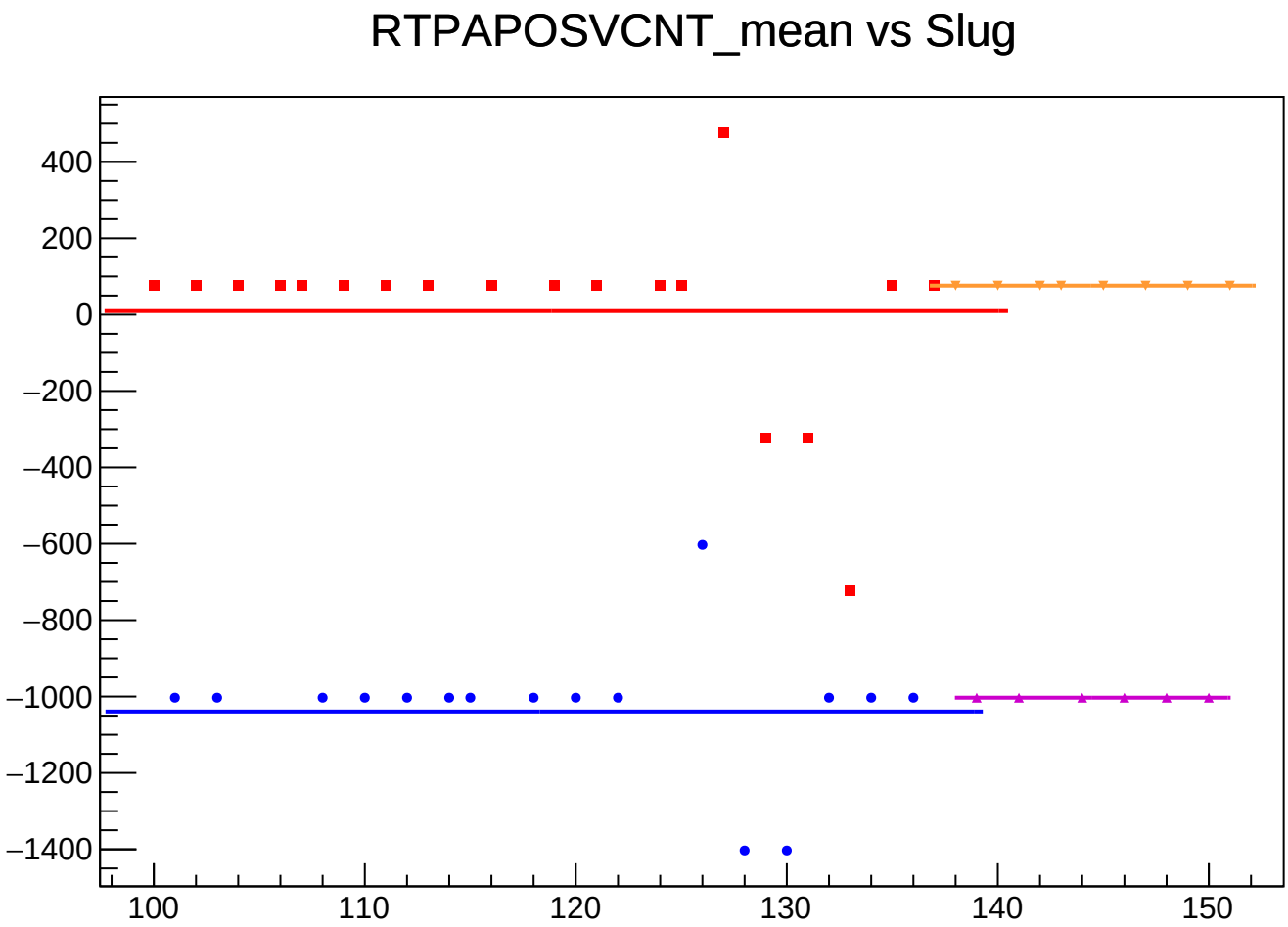
Left Out: 1146.011+/-0.000 χ^2/NDF:2361135657081856463827107840.0/7

All: 1051.346+/-0.000 χ^2/NDF: 8104247244

Right Out: 1178.513+/-0.000 χ^2/NDF: 22140259958123277565481106114837741568.0/18

- sign 1067.999+/-0.000 χ^2/NDF: 44529550011866

Left In: 912.994+/-0.000 χ^2/NDF:814332626806491110810478182 4.0/5



Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911040.0/15

+ sign -519.764+/-0.000 χ^2/NDF: 45206501275152

Left Out: 76.011+/-0.000 χ^2/NDF:26241573566492903385407160320.0/7

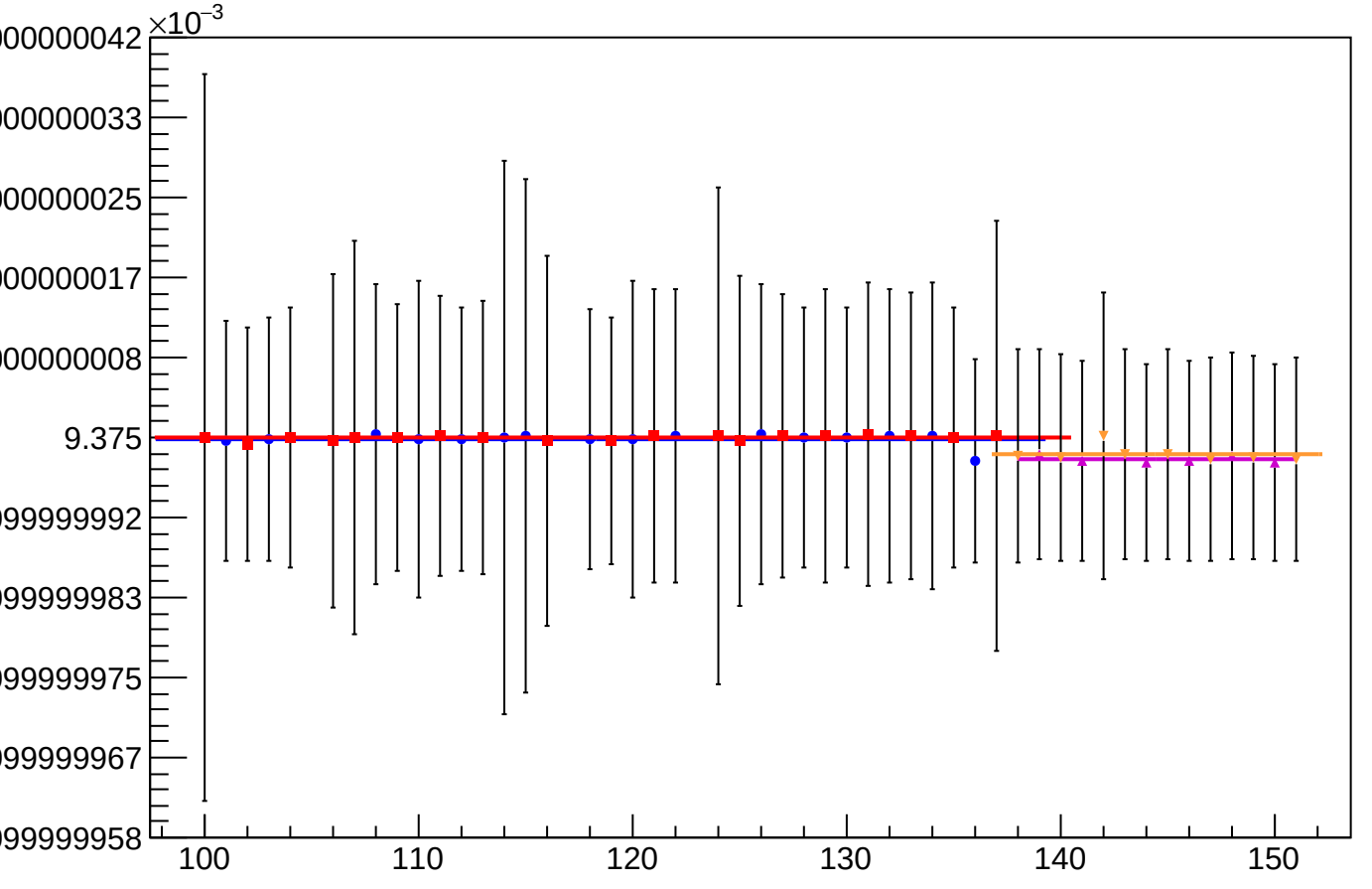
All: -467.462+/-0.000 χ^2/NDF: 8314558723

Right Out: 9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515409920.0/18

- sign -411.960+/-0.000 χ^2/NDF: 37157053831540

Left In: -1002.989+/-0.000 χ^2/NDF:106720461638666289091602022 4.0/5

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:0.0/7

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

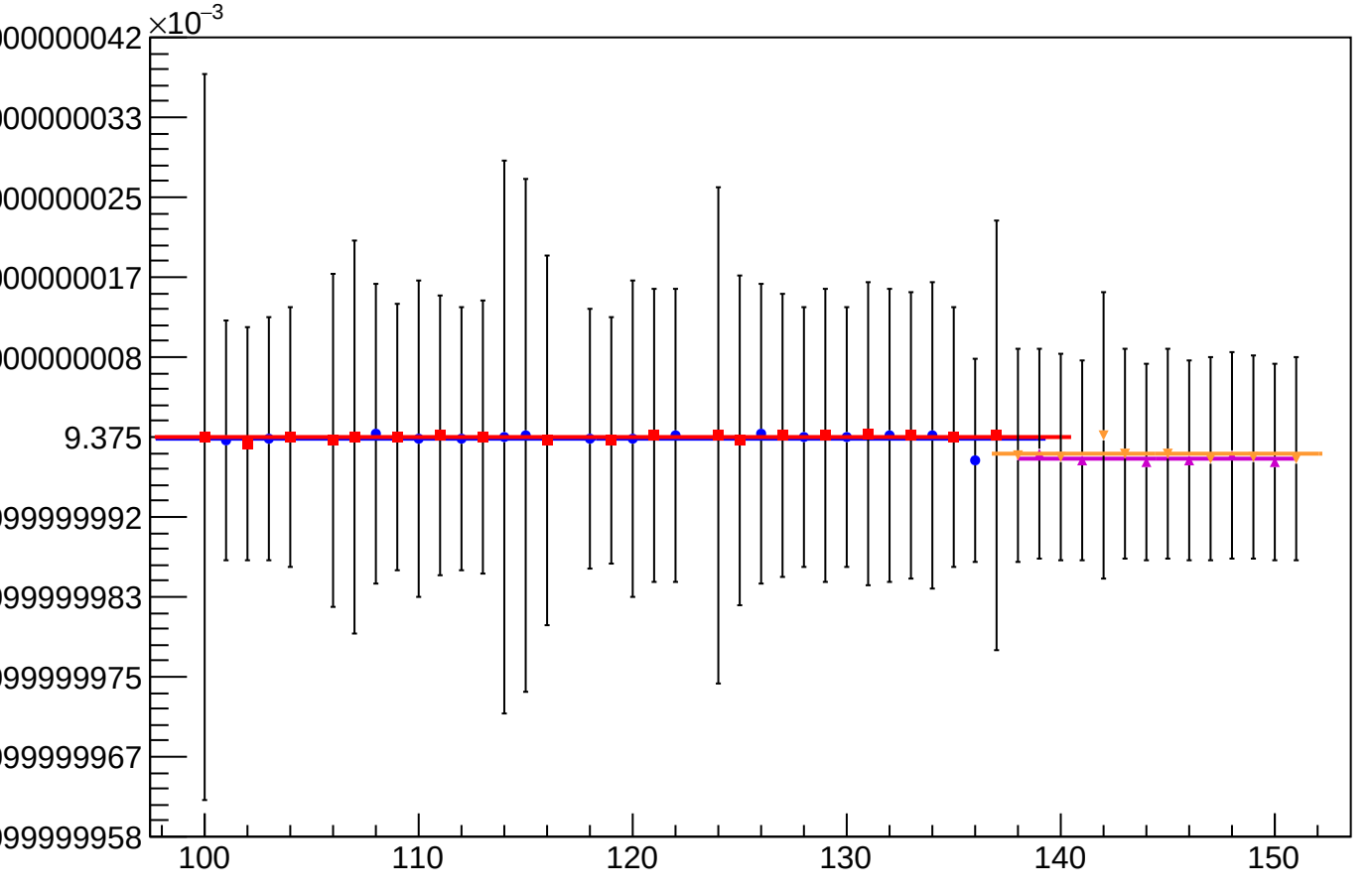
Left In: 0.009+/-0.000 χ^2/NDF:0.0/5

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/23

All: 0.009+/-0.000 χ^2/NDF: 0.4/48

- sign 0.009+/-0.000 χ^2/NDF: 0.2/24

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:0.0/7

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: 0.009+/-0.000 χ^2/NDF:0.0/5

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/23

All: 0.009+/-0.000 χ^2/NDF: 0.4/48

- sign 0.009+/-0.000 χ^2/NDF: 0.2/24