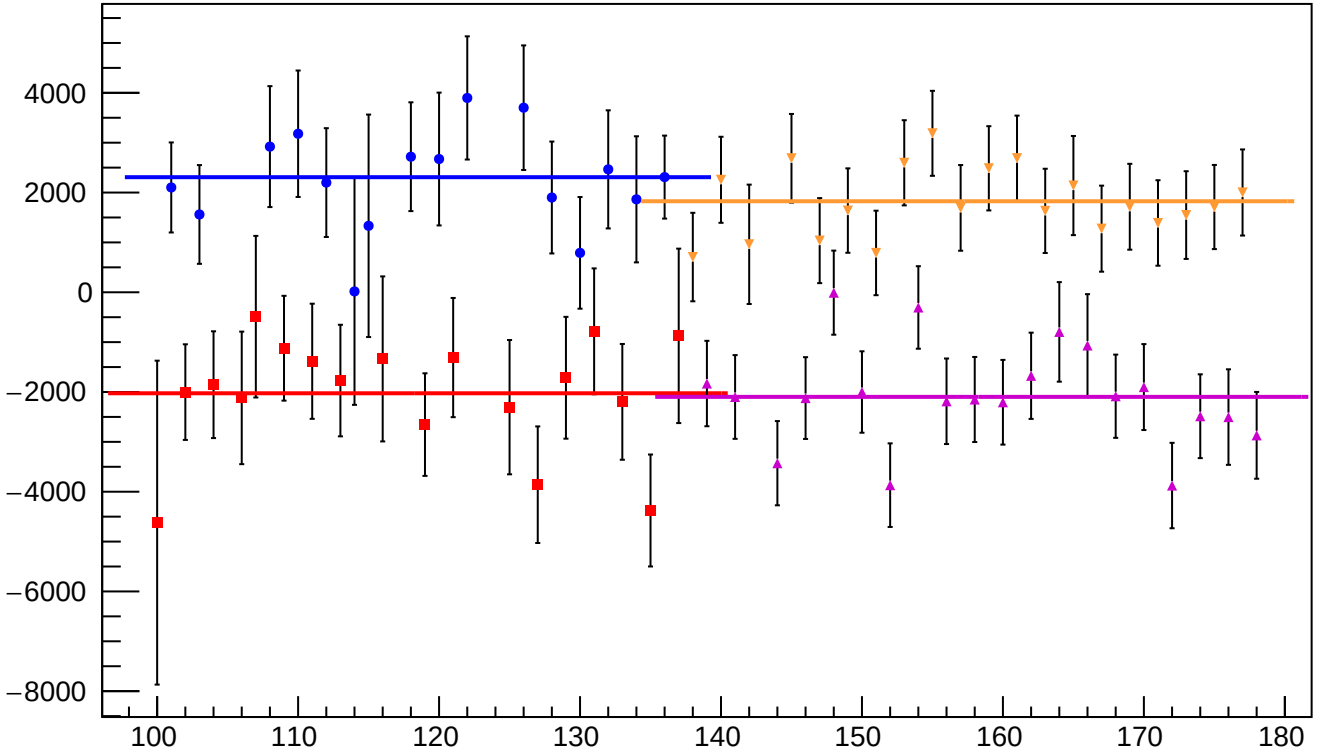
reg_asym_us_avg_mean vs Slug



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

Left Out: 1825.455+/-195.685 χ^2/NDF:11.7/19

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

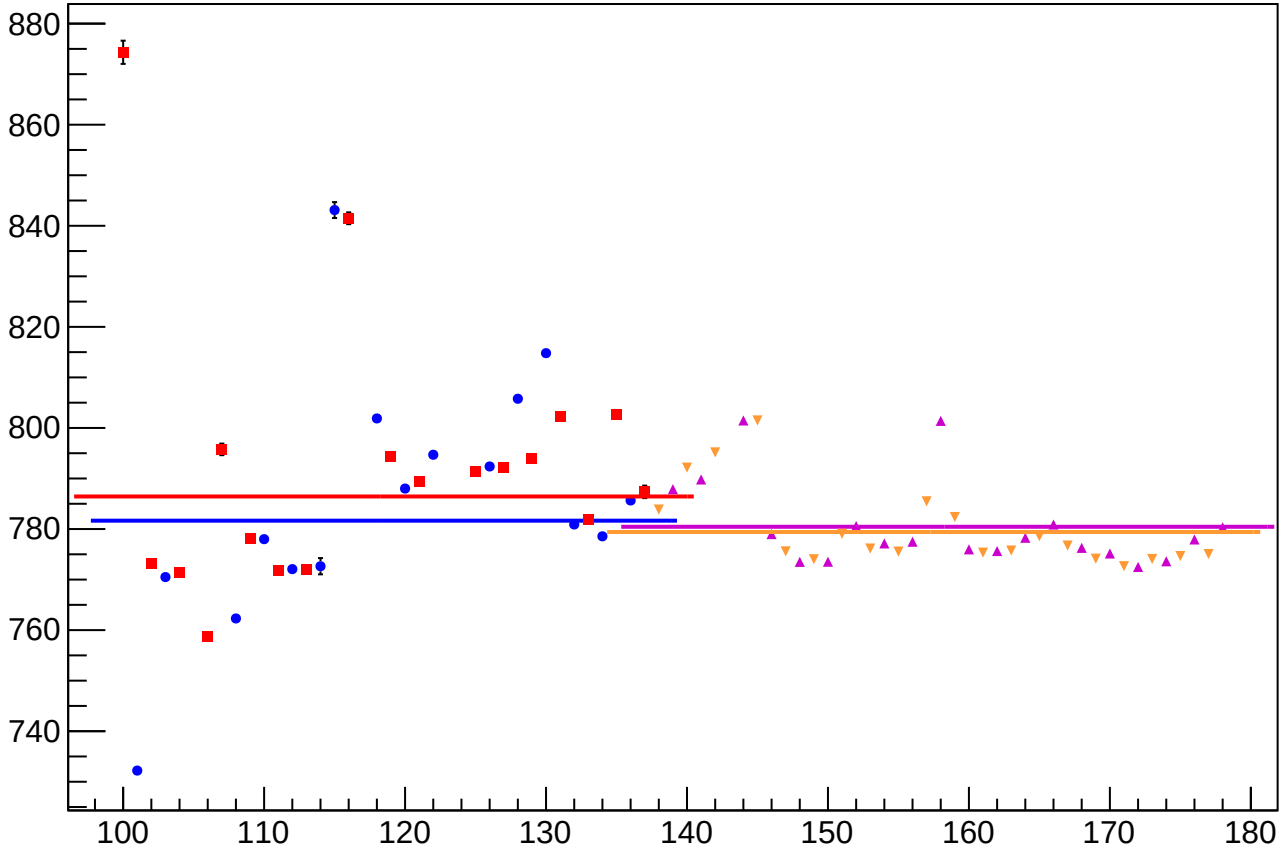
Left In: -2097.749+/-193.049 χ^2/NDF:26.4/19

+ sign 1976.168+/-162.286 χ^2/NDF: 21.4/35

All: -70.040+/-114.176 χ^2/NDF: 374.6/73

- sign -2075.581+/-160.665 χ^2/NDF: 38.4/37

reg_asym_us_avg_rms vs Slug



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

Left Out: 779.414+/-0.138 χ^2/NDF:2874.2/19

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

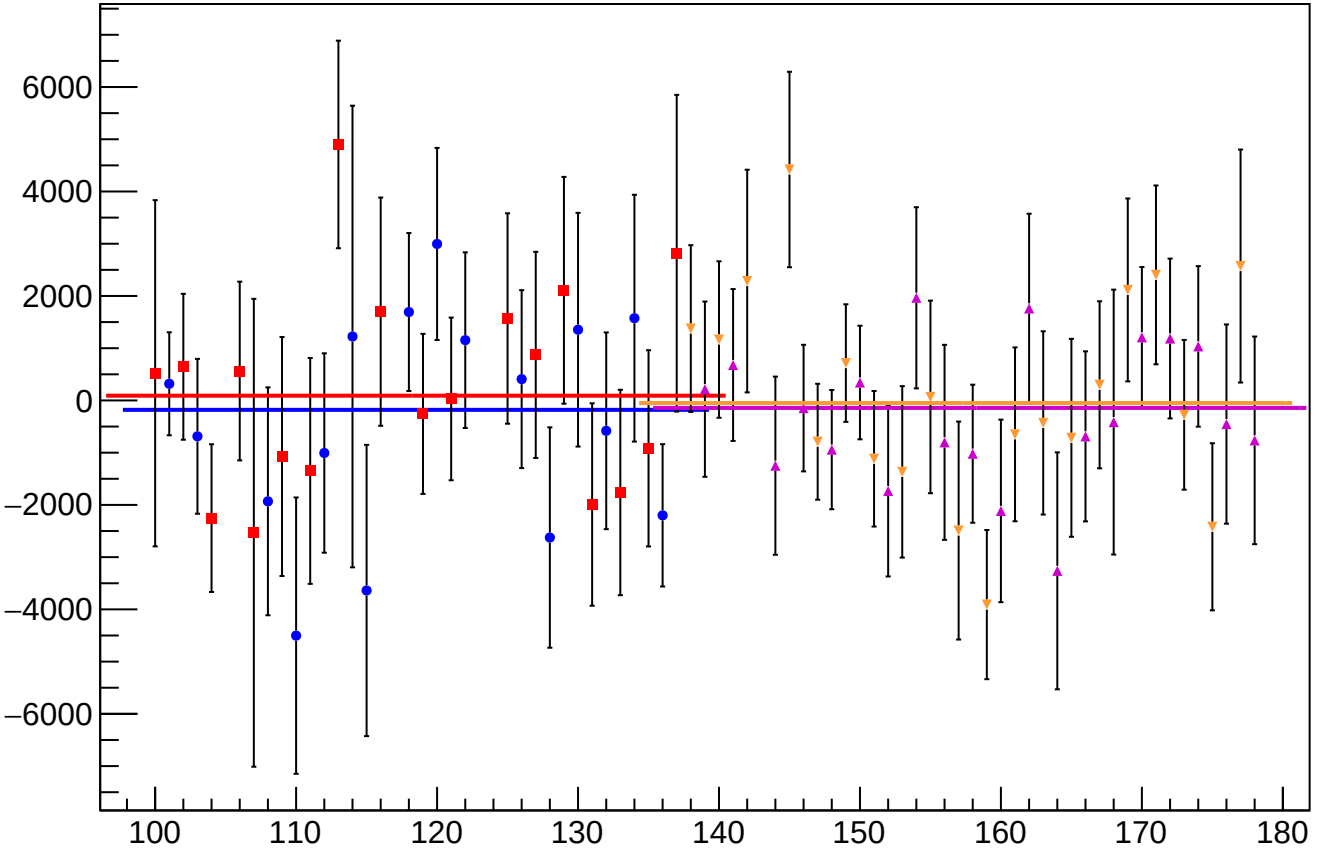
Left In: 780.448+/-0.137 χ^2/NDF:3756.5/19

+ sign 780.113+/-0.115 χ^2/NDF: 15275.1/35

All: 781.213+/-0.081 χ^2/NDF: 27007.9/73

- sign 782.291+/-0.114 χ^2/NDF: 11551.0/37

asym_us_avg_reg_correction_mean vs Slug



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

Left Out: -49.977+/-352.954 χ^2/NDF:26.8/19

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

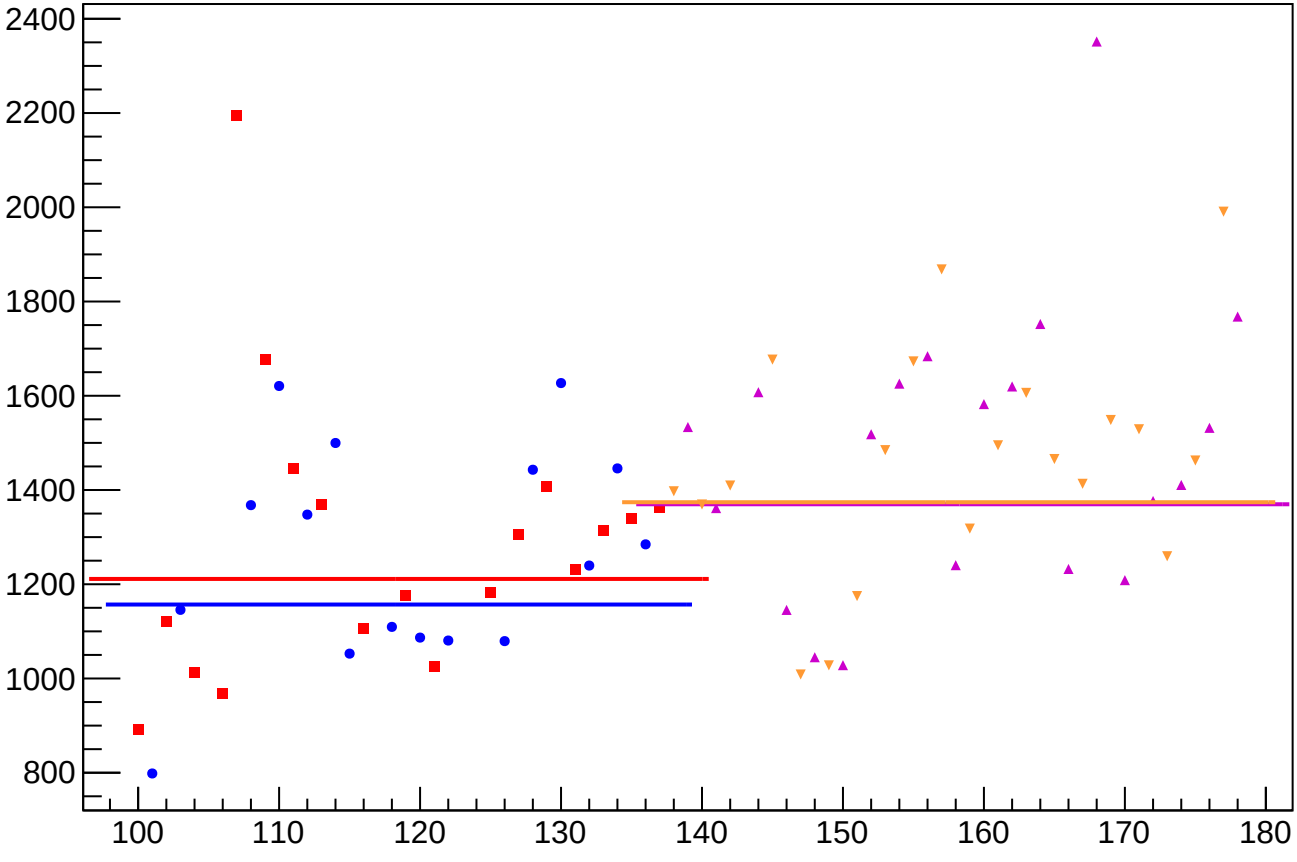
Left In: -143.420+/-346.628 χ^2/NDF:11.3/19

+ sign -100.749+/-275.508 χ^2/NDF: 42.2/35

All: -78.979+/-194.877 χ^2/NDF: 69.0/73

- sign -57.181+/-275.688 χ^2/NDF: 26.7/37

asym_us_avg_reg_correction_rms vs Slug



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

Left Out: 1374.077+/-0.250 χ^2/NDF:942993.0/19

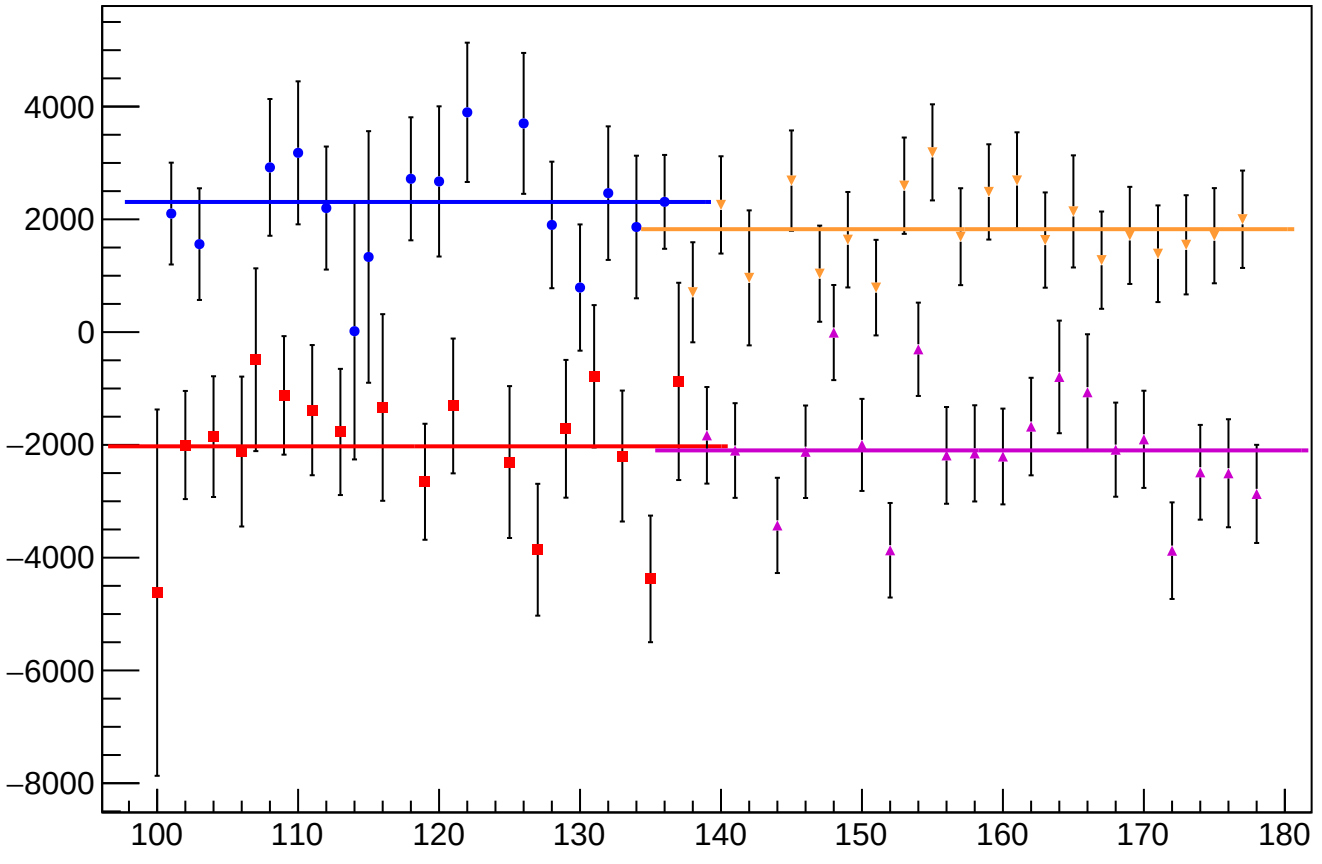
Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

Left In: 1369.731+/-0.245 χ^2/NDF:1185106.5/19

+ sign 1289.245+/-0.195 χ^2/NDF: 1807825.5/35

All: 1300.368+/-0.138 χ^2/NDF: 3550758.5/73

- sign 1311.506+/-0.195 χ^2/NDF: 1736408.8/37



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

Left Out: 1825.455+/-195.685 χ^2/NDF:11.7/19

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

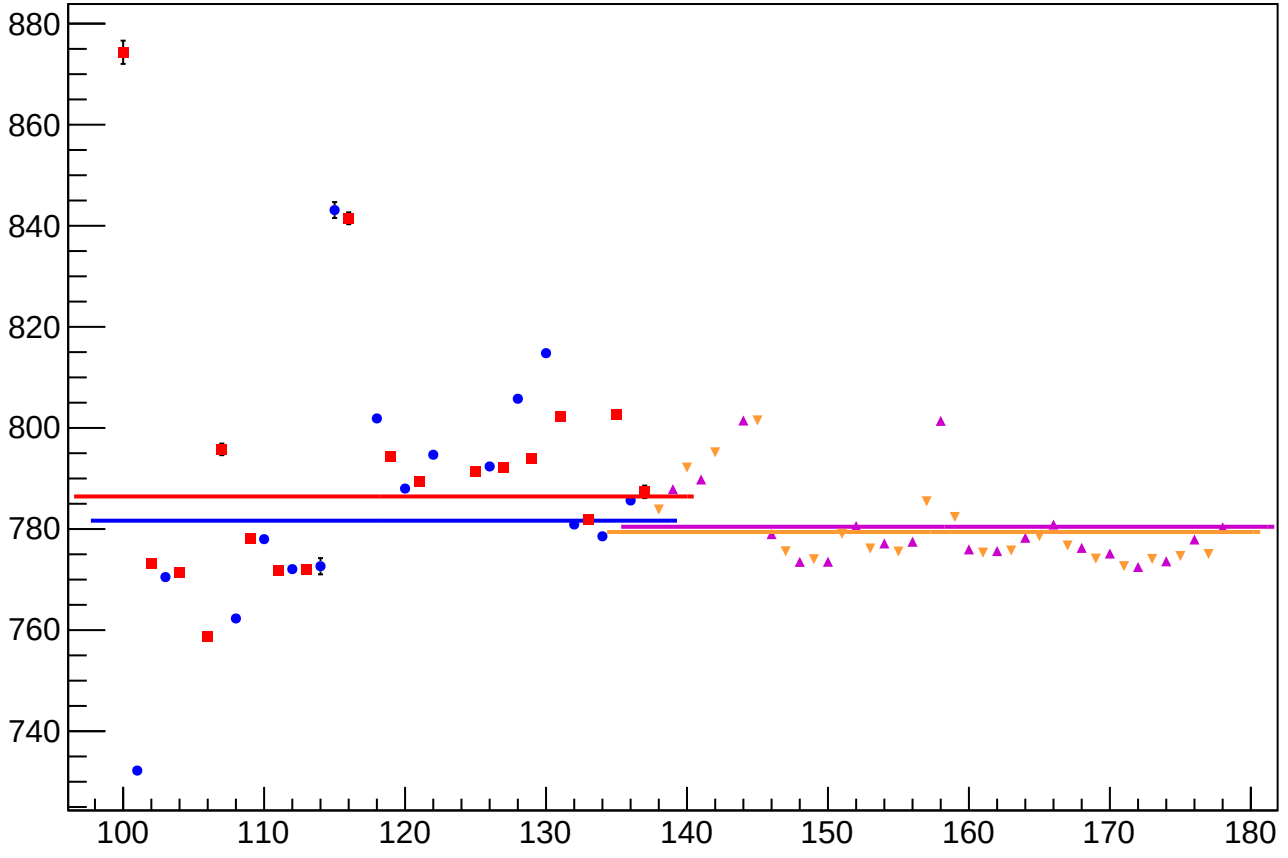
Left In: -2097.749+/-193.049 χ^2/NDF:26.4/19

+ sign 1976.168+/-162.286 χ^2/NDF: 21.4/35

All: -70.040+/-114.176 χ^2/NDF: 374.6/73

- sign -2075.581+/-160.665 χ^2/NDF: 38.4/37

cor_asym_us_avg_rms vs Slug



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

Left Out: 779.414+/-0.138 χ^2/NDF:2874.2/19

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

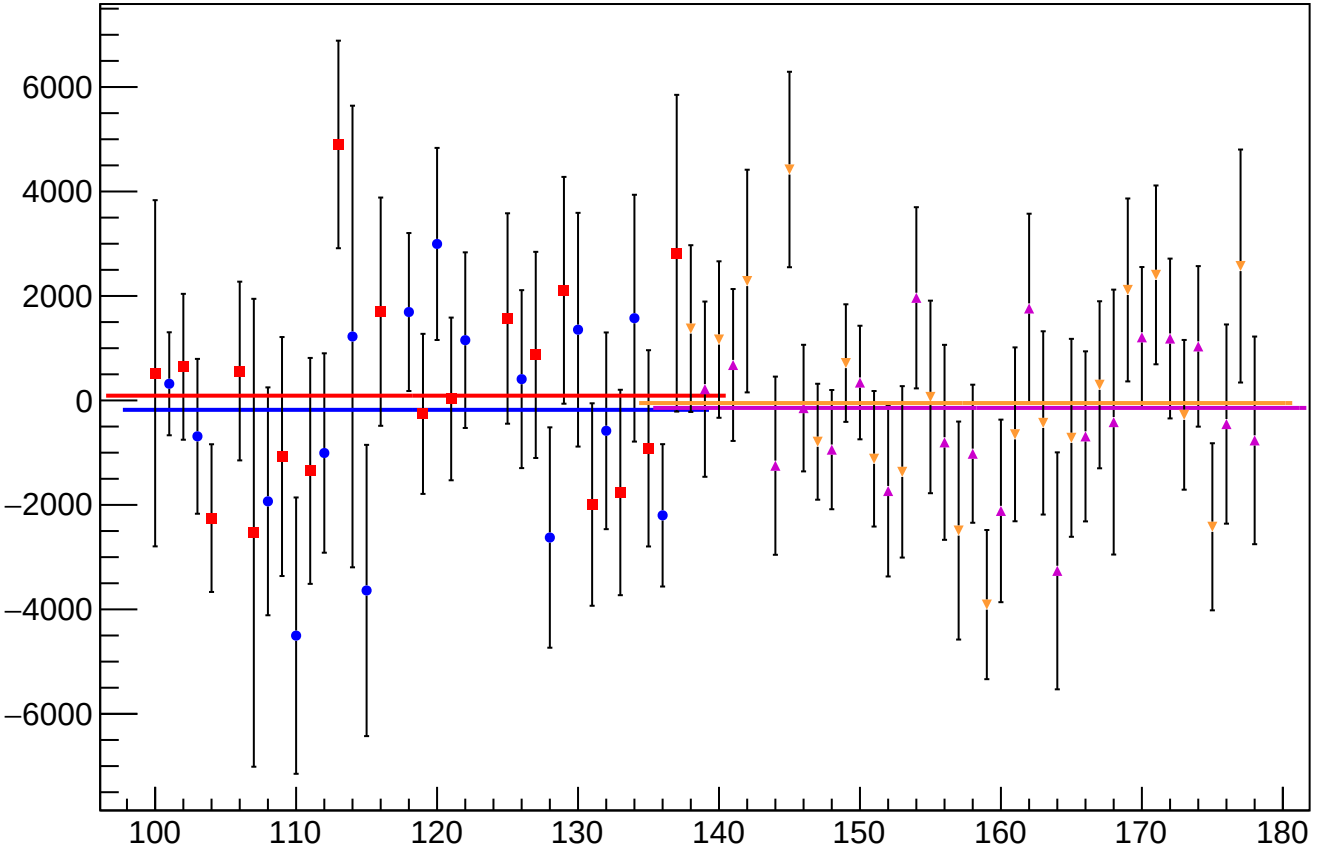
Left In: 780.448+/-0.137 χ^2/NDF:3756.5/19

+ sign 780.113+/-0.115 χ^2/NDF: 15275.1/35

All: 781.213+/-0.081 χ^2/NDF: 27007.9/73

- sign 782.291+/-0.114 χ^2/NDF: 11551.0/37

asym_us_avg_cor_correction_mean vs Slug



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

Left Out: -49.977+/-352.954 χ^2/NDF:26.8/19

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

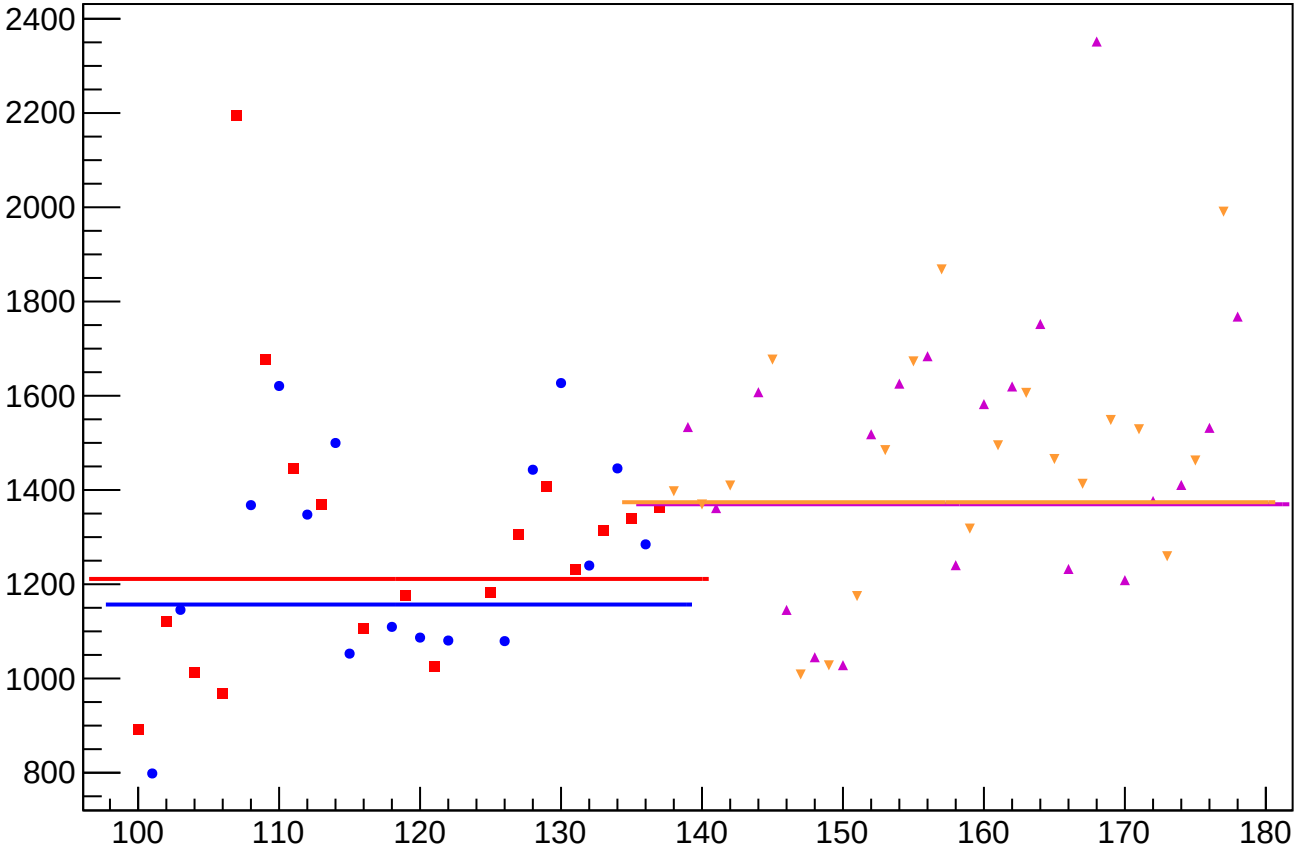
Left In: -143.420+/-346.628 χ^2/NDF:11.3/19

+ sign -100.749+/-275.508 χ^2/NDF: 42.2/35

All: -78.979+/-194.877 χ^2/NDF: 69.0/73

- sign -57.181+/-275.688 χ^2/NDF: 26.7/37

asym_us_avg_cor_correction_rms vs Slug



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

Left Out: 1374.077+/-0.250 χ^2/NDF:942993.0/19

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

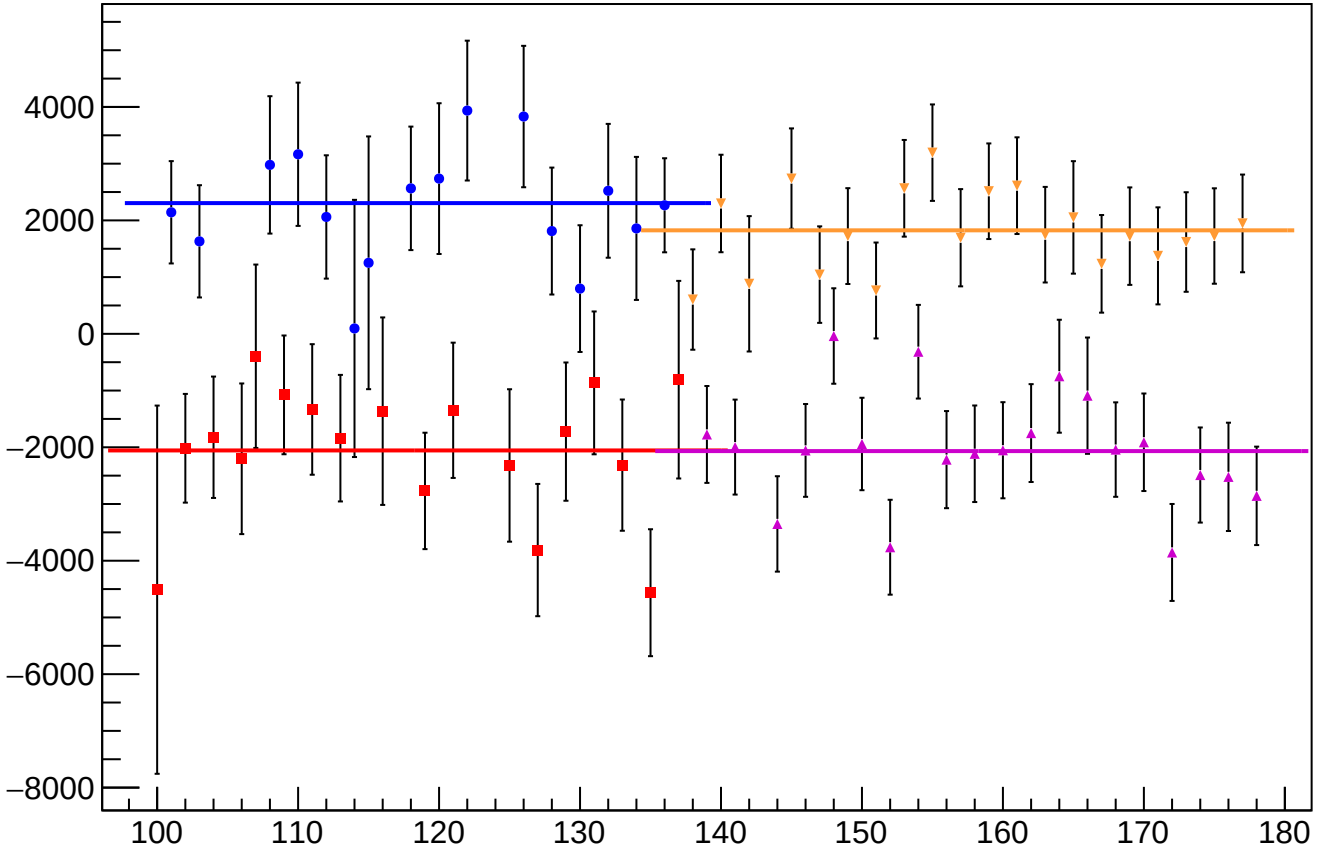
Left In: 1369.731+/-0.245 χ^2/NDF:1185106.5/19

+ sign 1289.245+/-0.195 χ^2/NDF: 1807825.5/35

All: 1300.368+/-0.138 χ^2/NDF: 3550758.5/73

- sign 1311.506+/-0.195 χ^2/NDF: 1736408.8/37

overload_cor_asym_us_avg_mean vs Slug



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

Left Out: 1824.724+/-195.170 χ^2/NDF:12.1/19

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

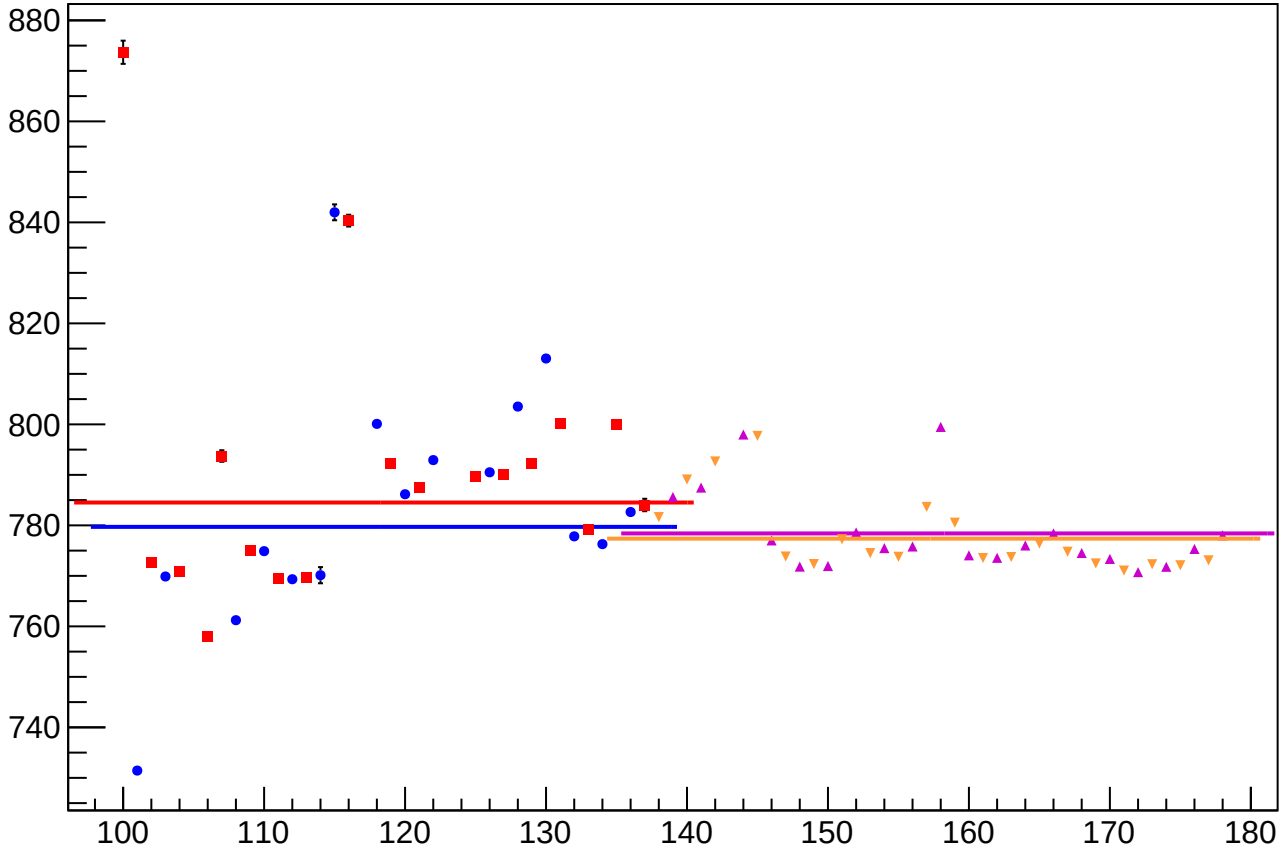
Left In: -2067.264+/-192.543 χ^2/NDF:25.4/19

+ sign 1974.608+/-161.865 χ^2/NDF: 22.1/35

All: -64.760+/-113.881 χ^2/NDF: 374.8/73

- sign -2063.700+/-160.252 χ^2/NDF: 38.3/37

overload_cor_asym_us_avg_rms vs Slug



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

Left Out: 777.370+/-0.138 χ^2/NDF:2569.5/19

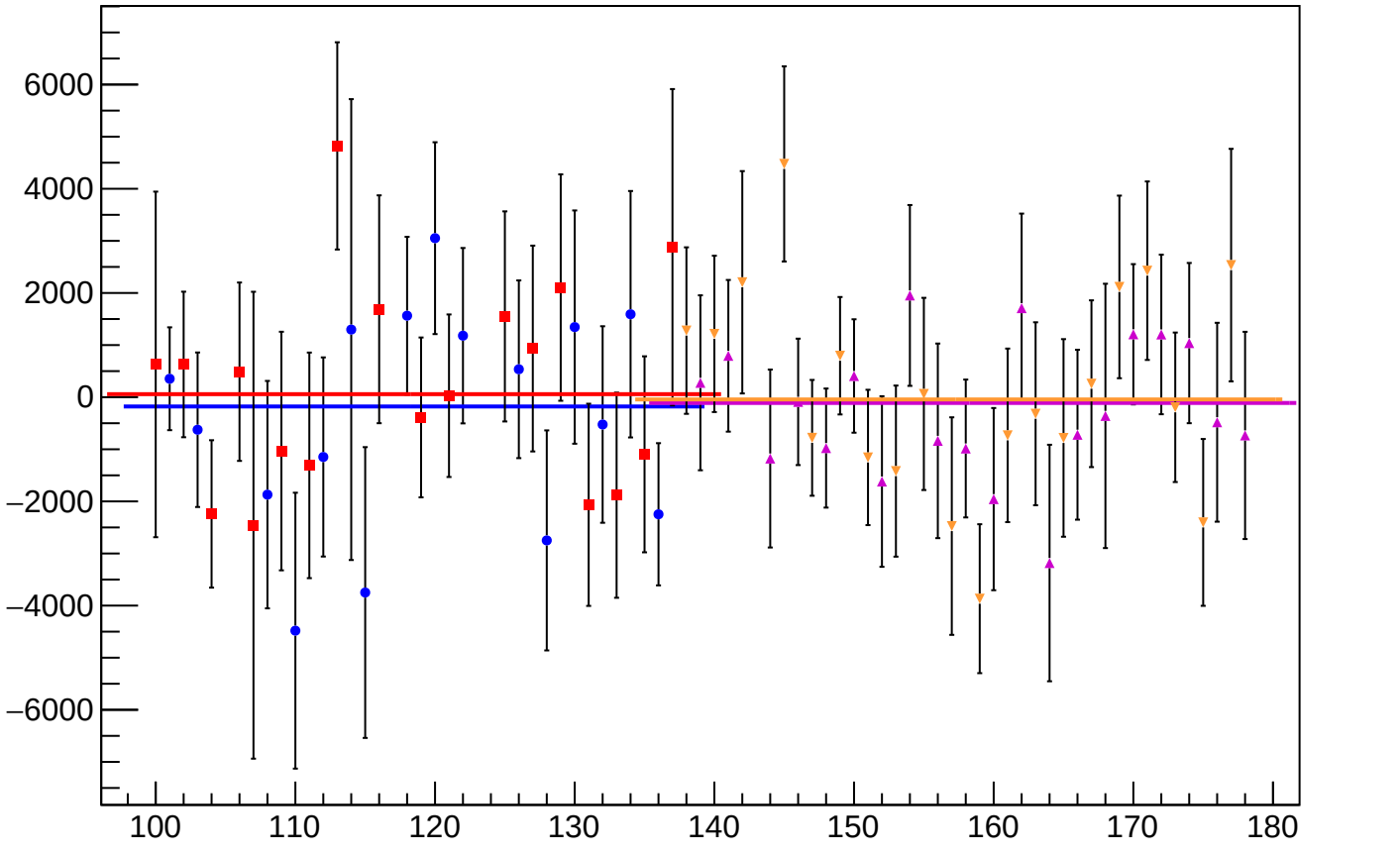
Right Out: 784.524+/-0.204 χ^2/NDF: 7160.0/17

Left In: 778.404+/-0.136 χ^2/NDF:3531.7/19

+ sign 778.098+/-0.114 χ^2/NDF: 14718.8/35

All: 779.202+/-0.081 χ^2/NDF: 26215.9/73

- sign 780.285+/-0.113 χ^2/NDF: 11312.7/37



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

Left Out: -43.555+/-353.275 χ^2/NDF:26.8/19

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

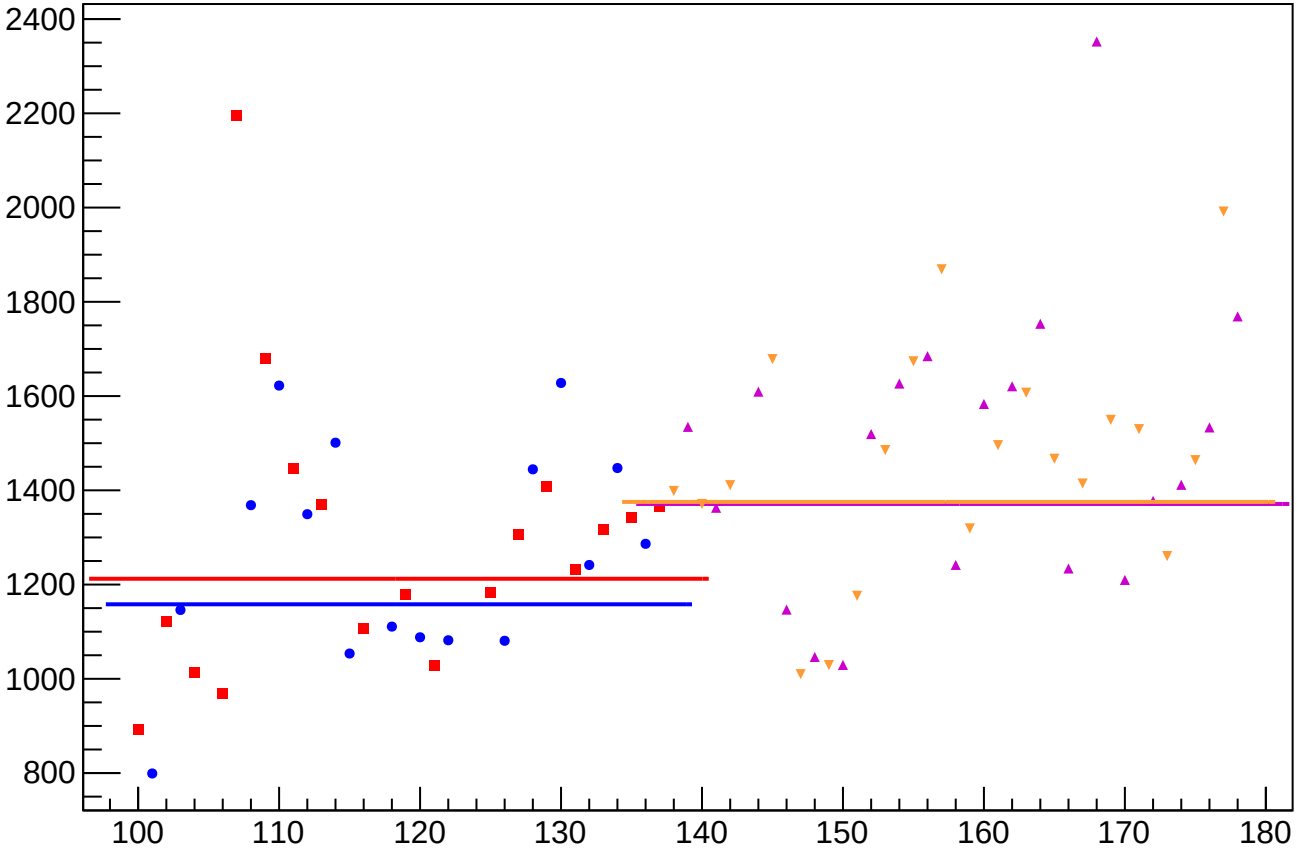
Left In: -110.799+/-346.938 χ^2/NDF:11.0/19

\+ sign -96.255+/-275.770 χ^2/NDF: 42.5/35

All: -72.523+/-195.057 χ^2/NDF: 68.9/73

\- sign -48.762+/-275.934 χ^2/NDF: 26.3/37

asym_us_avg_overload_cor_correction_rms vs Slug



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

Left Out: 1375.407+/-0.250 χ^2/NDF:940491.2/19

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

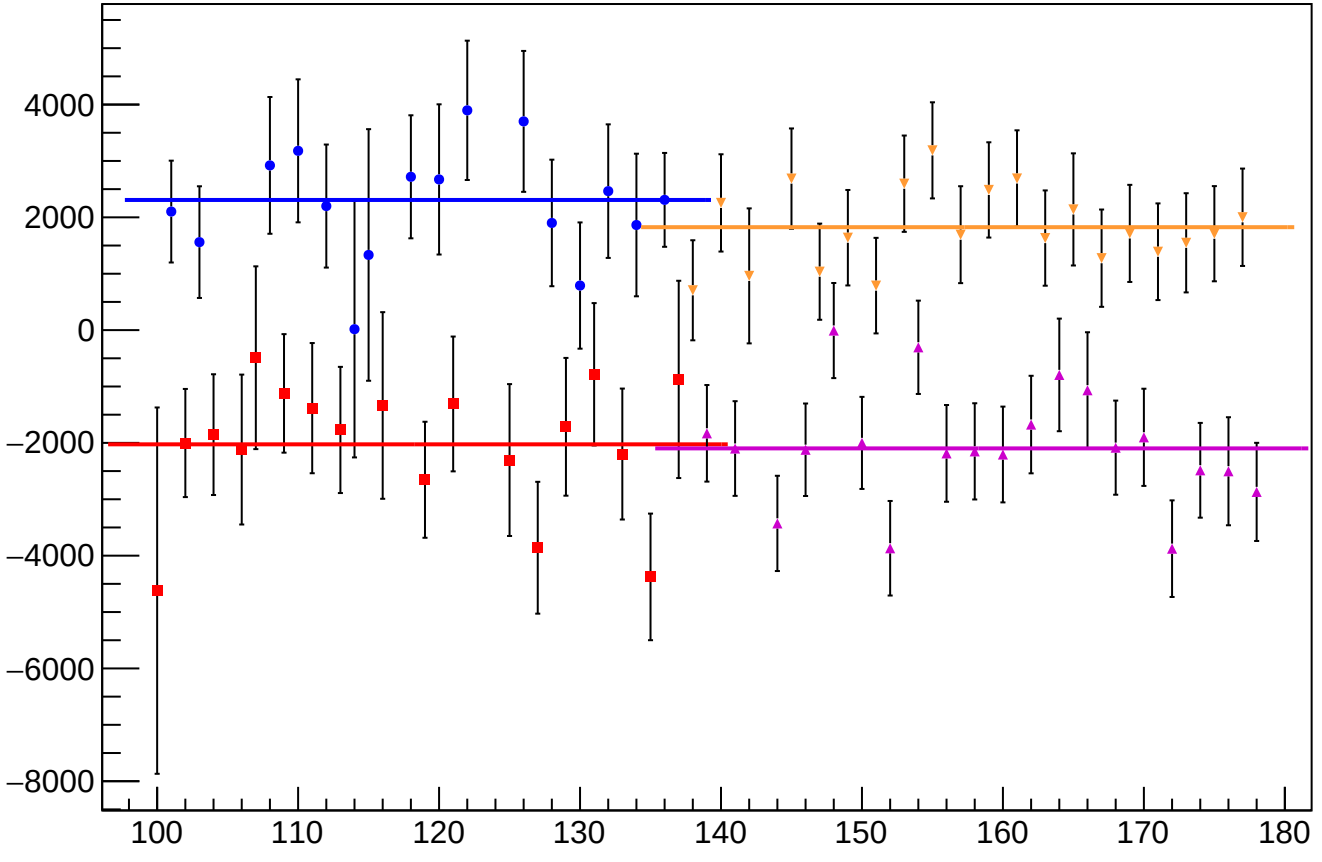
Left In: 1371.028+/-0.245 χ^2/NDF:1182449.6/19

+ sign 1290.529+/-0.195 χ^2/NDF: 1805169.3/35

All: 1301.620+/-0.138 χ^2/NDF: 3545759.8/73

- sign 1312.724+/-0.195 χ^2/NDF: 1734117.2/37

eigen_cor_asym_us_avg_mean vs Slug



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

Left Out: 1825.455+/-195.685 χ^2/NDF:11.7/19

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

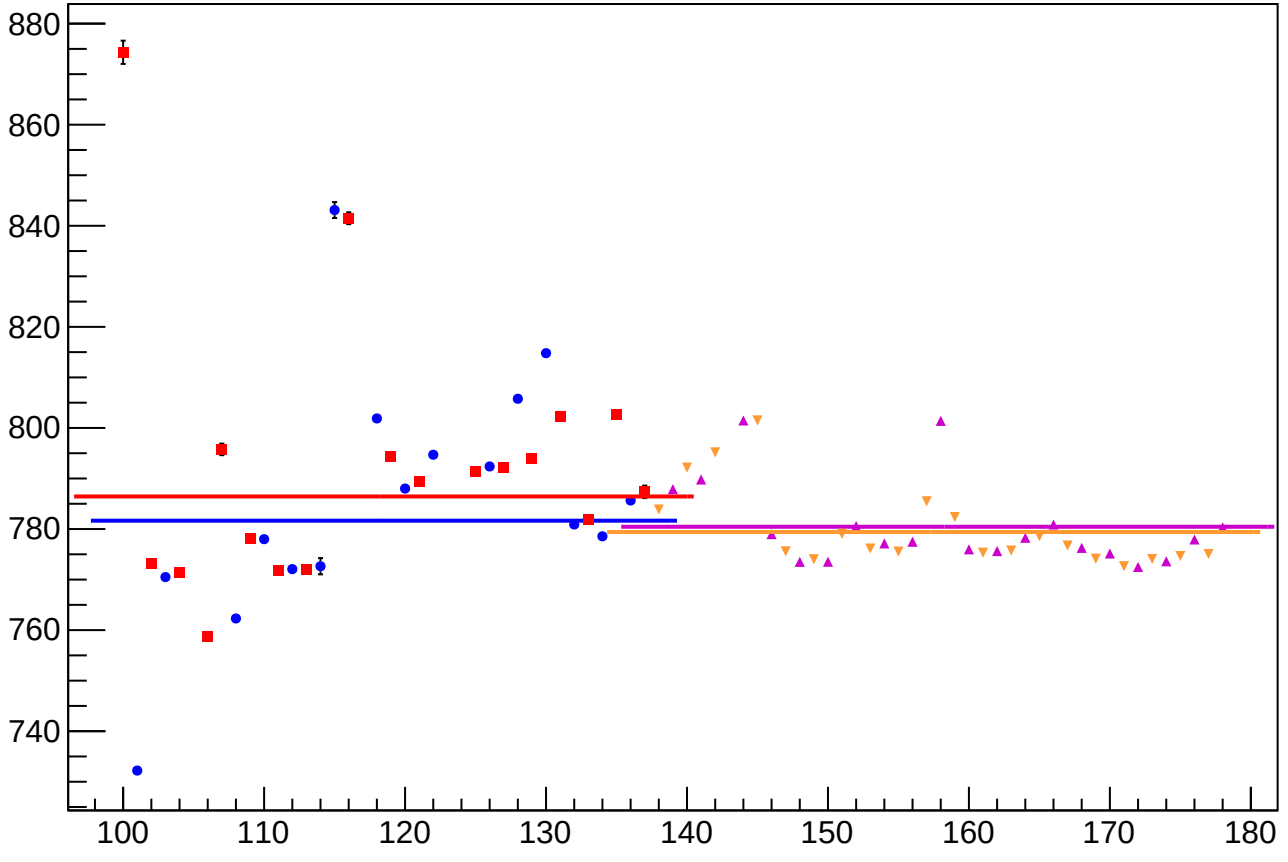
Left In: -2097.749+/-193.049 χ^2/NDF:26.4/19

+ sign 1976.168+/-162.286 χ^2/NDF: 21.4/35

All: -70.040+/-114.176 χ^2/NDF: 374.6/73

- sign -2075.581+/-160.665 χ^2/NDF: 38.4/37

eigen_cor_asym_us_avg_rms vs Slug



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

Left Out: 779.414+/-0.138 χ^2/NDF:2874.2/19

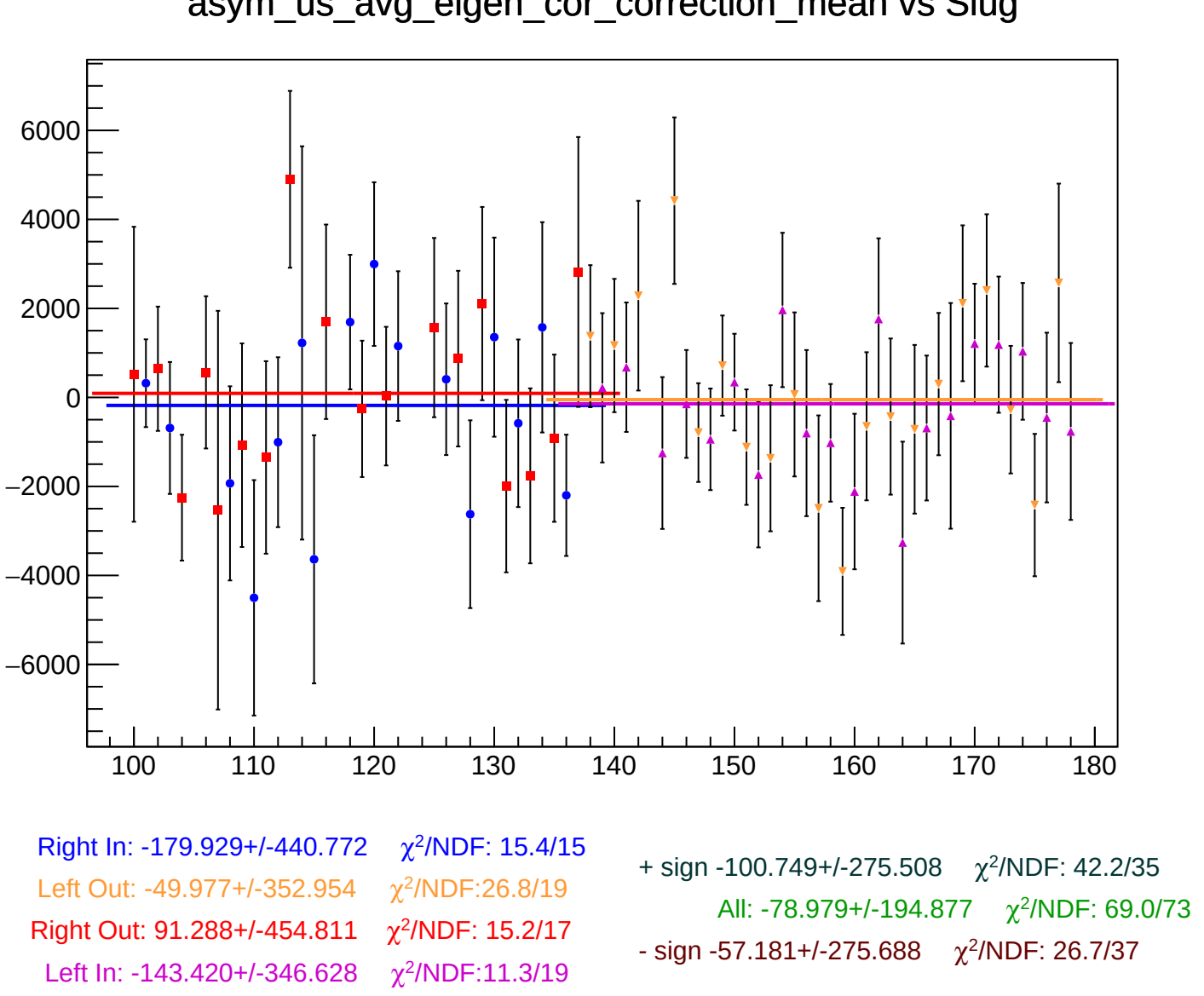
Right Out: 786.443+/-0.205 χ^2/NDF: 7201.6/17

Left In: 780.448+/-0.137 χ^2/NDF:3756.5/19

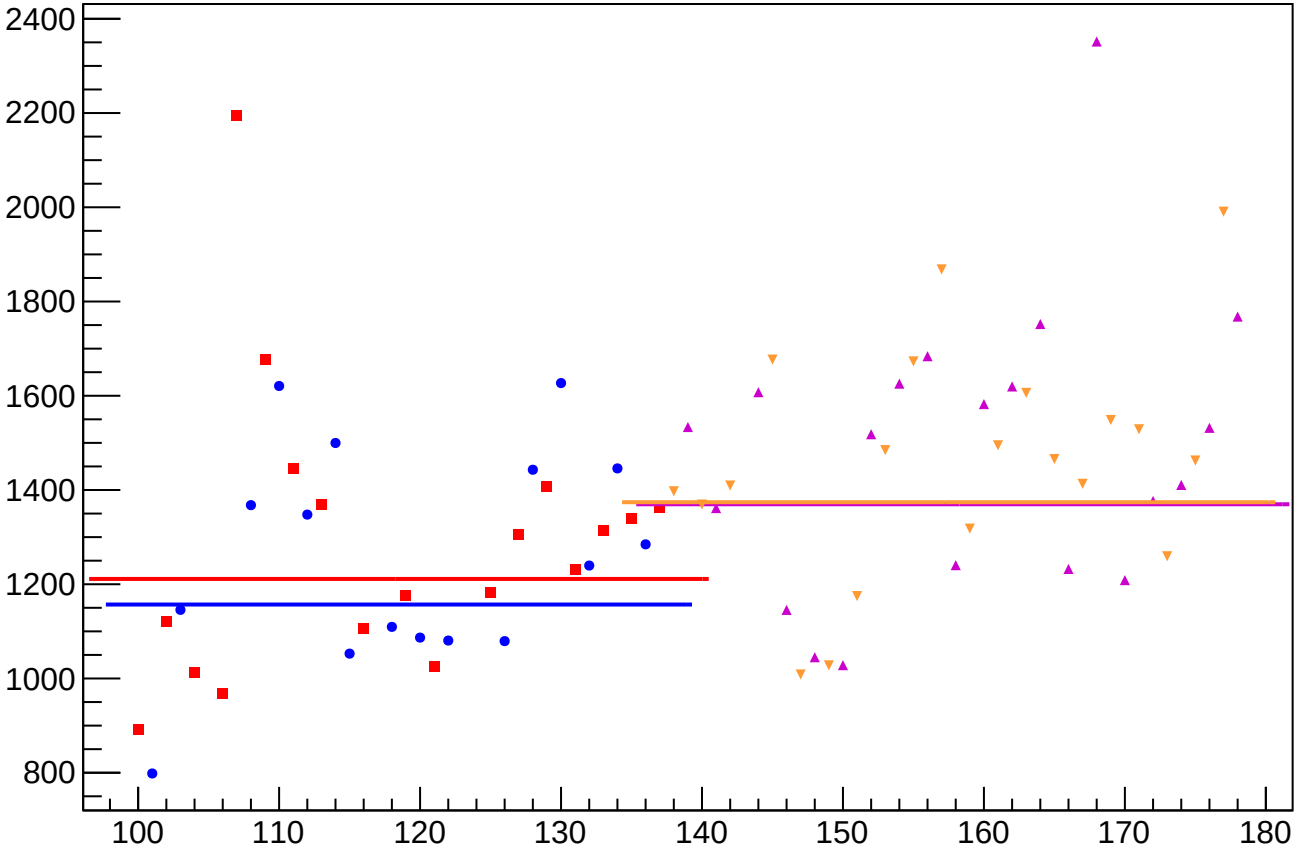
+ sign 780.113+/-0.115 χ^2/NDF: 15275.1/35

All: 781.213+/-0.081 χ^2/NDF: 27007.9/73

- sign 782.291+/-0.114 χ^2/NDF: 11551.0/37


asym_us_avg_eigen_cor_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
180
Right In: -179.929+/-440.772 χ²/NDF: 15.4/15
Left Out: -49.977+/-352.954 χ²/NDF:26.8/19
Right Out: 91.288+/-454.811 χ²/NDF: 15.2/17
Left In: -143.420+/-346.628 χ²/NDF:11.3/19
+ sign -100.749+/-275.508 χ²/NDF: 42.2/35
All: -78.979+/-194.877 χ²/NDF: 69.0/73
- sign -57.181+/-275.688 χ²/NDF: 26.7/37

asym_us_avg_eigen_cor_correction_rms vs Slug



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

Left Out: 1374.077+/-0.250 χ^2/NDF:942993.0/19

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

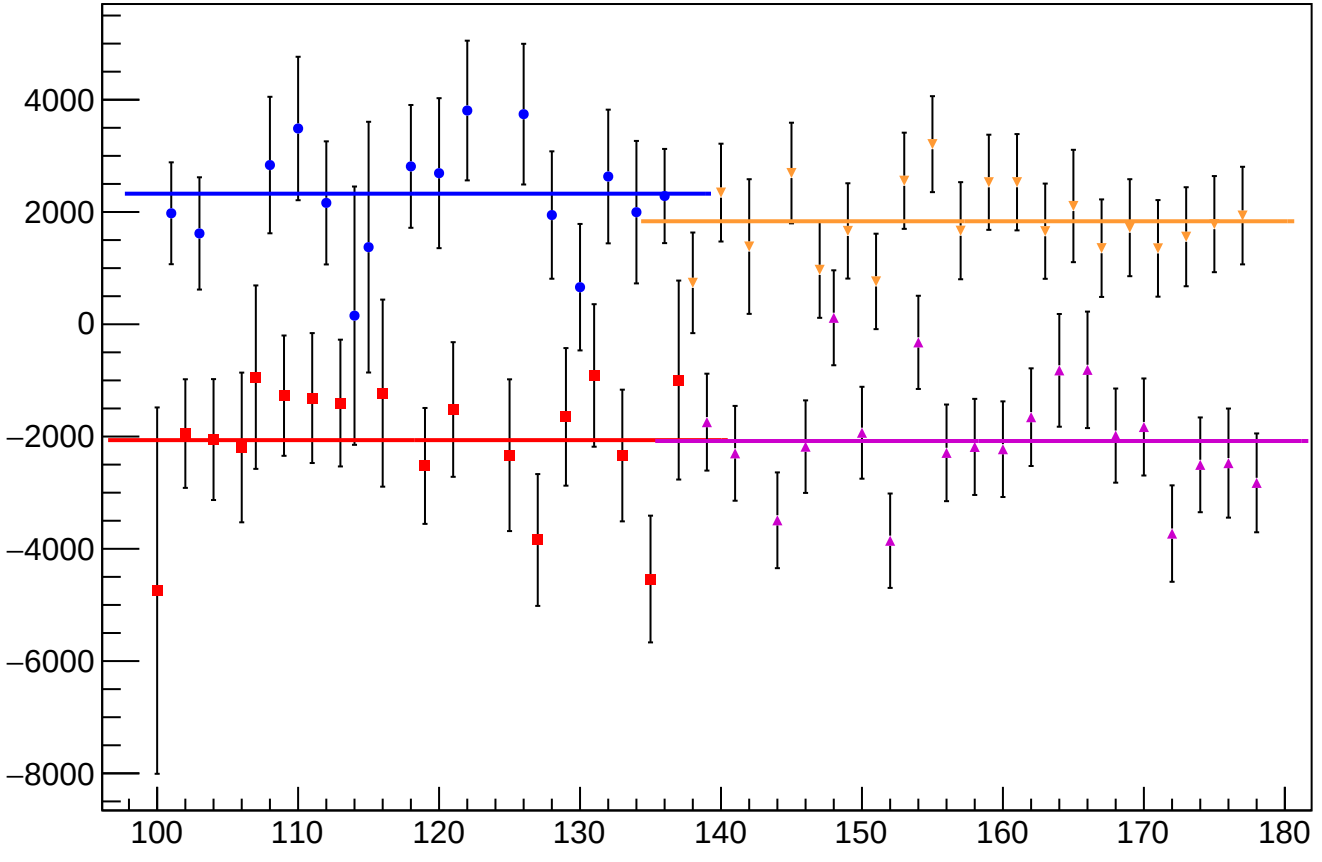
Left In: 1369.731+/-0.245 χ^2/NDF:1185106.5/19

+ sign 1289.245+/-0.195 χ^2/NDF: 1807825.5/35

All: 1300.368+/-0.138 χ^2/NDF: 3550758.5/73

- sign 1311.506+/-0.195 χ^2/NDF: 1736408.8/37

dit_asym_us_avg_mean vs Slug



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

Left Out: 1835.121+/-196.738 χ^2/NDF:11.1/19

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

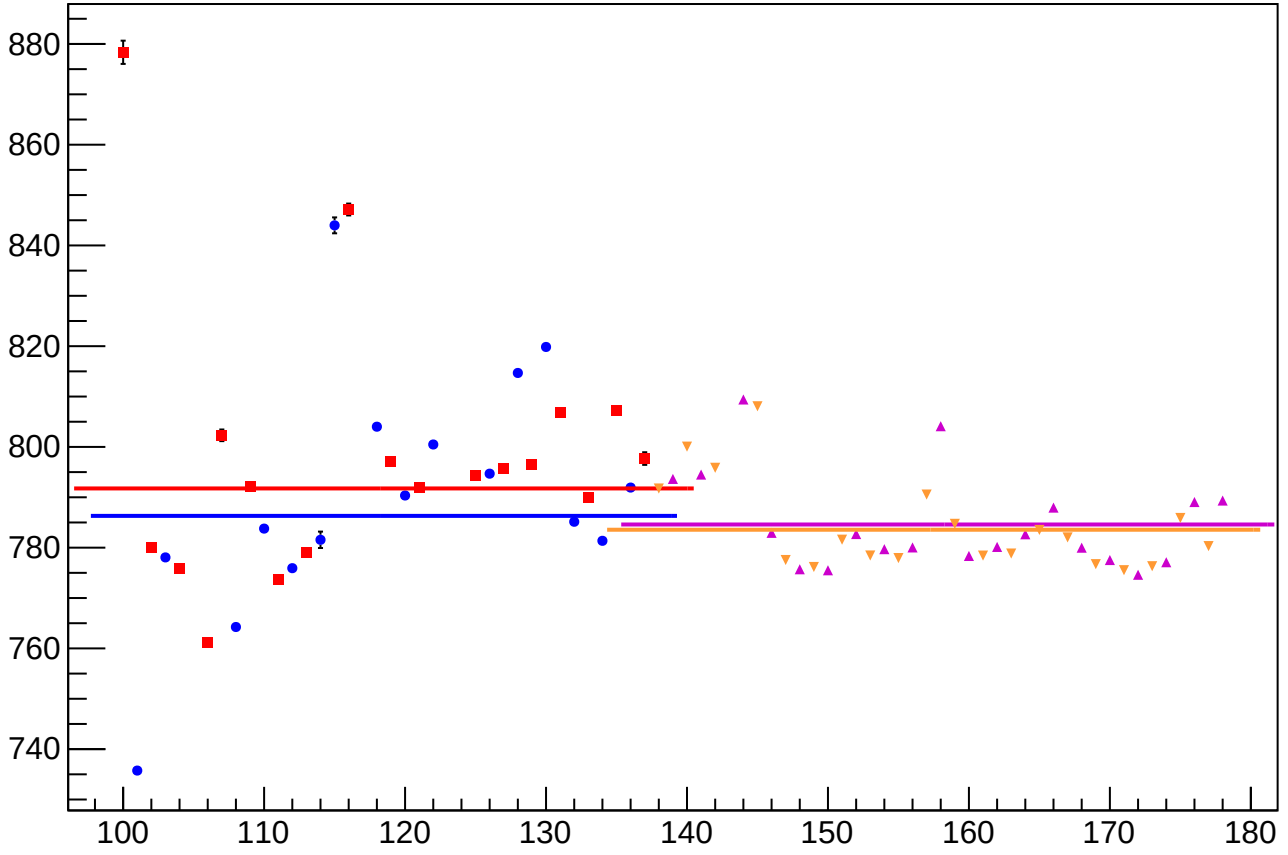
Left In: -2079.622+/-194.085 χ^2/NDF:27.0/19

+ sign 1988.391+/-163.190 χ^2/NDF: 21.2/35

All: -63.096+/-114.827 χ^2/NDF: 372.8/73

- sign -2074.823+/-161.601 χ^2/NDF: 38.6/37

dit_asym_us_avg_rms vs Slug



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

Left Out: 783.559+/-0.139 χ^2/NDF:3759.2/19

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

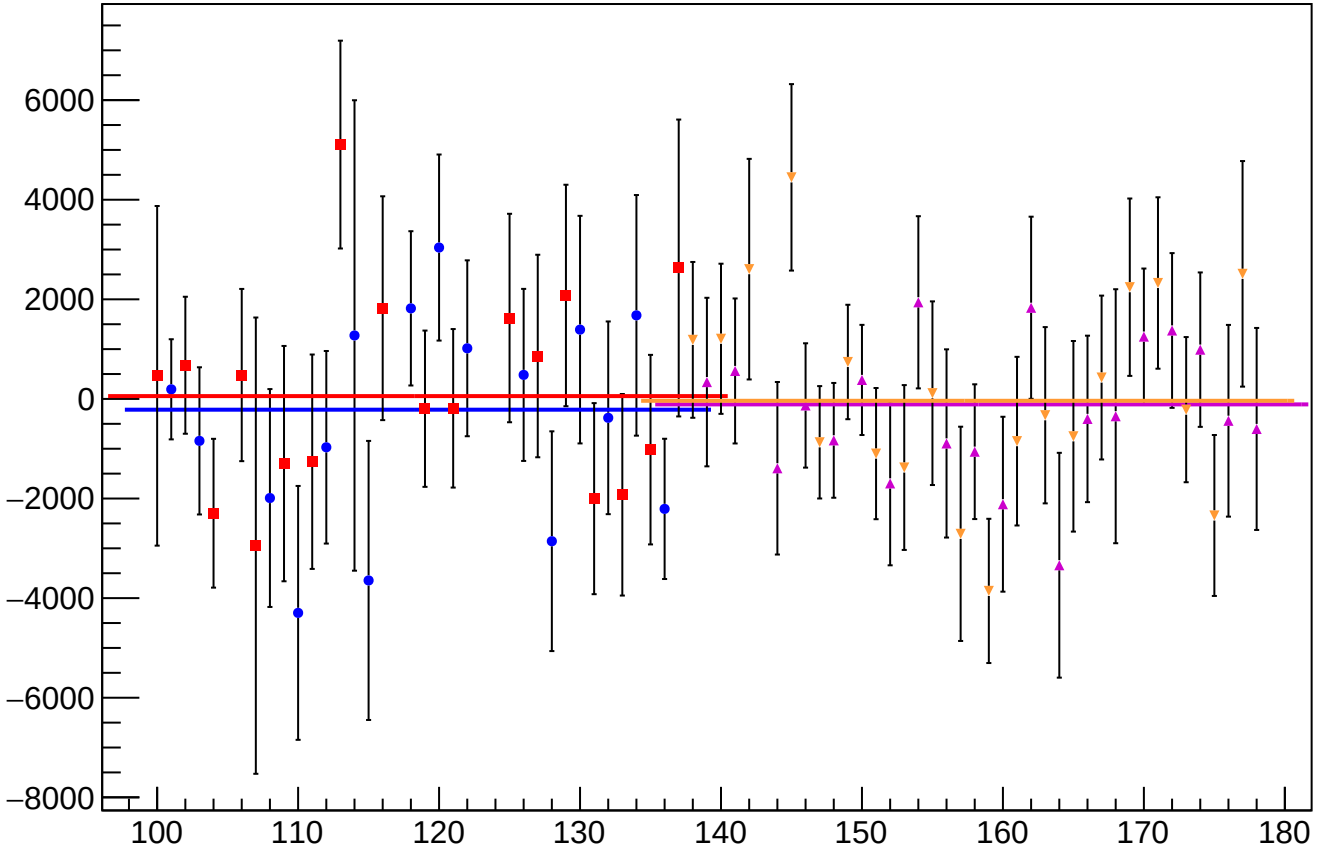
Left In: 784.599+/-0.137 χ^2/NDF:4748.1/19

+ sign 784.417+/-0.115 χ^2/NDF: 16452.2/35

All: 785.617+/-0.081 χ^2/NDF: 29264.0/73

- sign 786.794+/-0.114 χ^2/NDF: 12597.5/37

asym_us_avg_dit_correction_mean vs Slug



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

Left Out: -37.358+/-357.573 χ^2/NDF:26.6/19

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

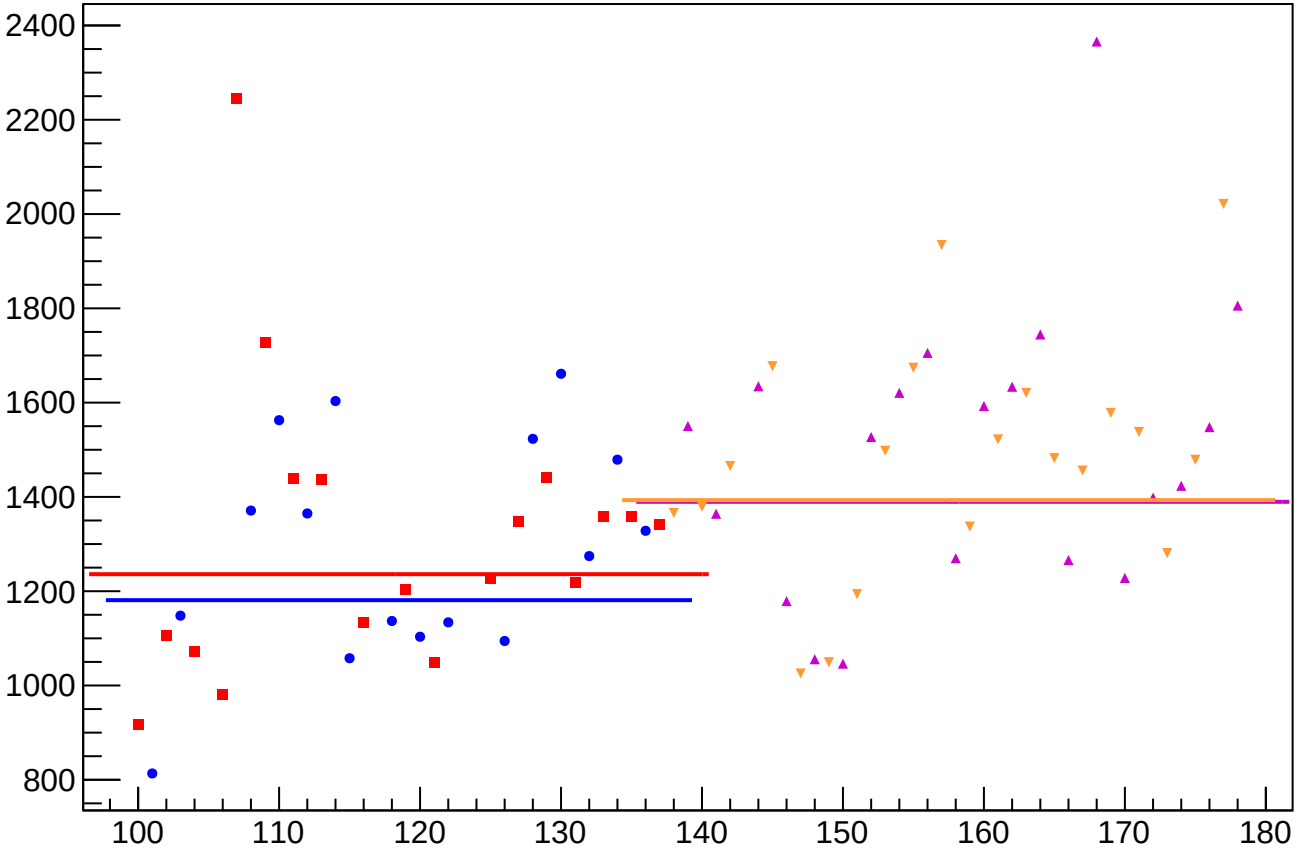
Left In: -109.799+/-351.220 χ^2/NDF:11.4/19

+ sign -106.656+/-279.841 χ^2/NDF: 42.0/35

All: -77.906+/-197.946 χ^2/NDF: 68.6/73

- sign -49.117+/-280.036 χ^2/NDF: 26.6/37

asym_us_avg_dit_correction_rms vs Slug



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

Left Out: 1393.184+/-0.253 χ^2/NDF:928942.9/19

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

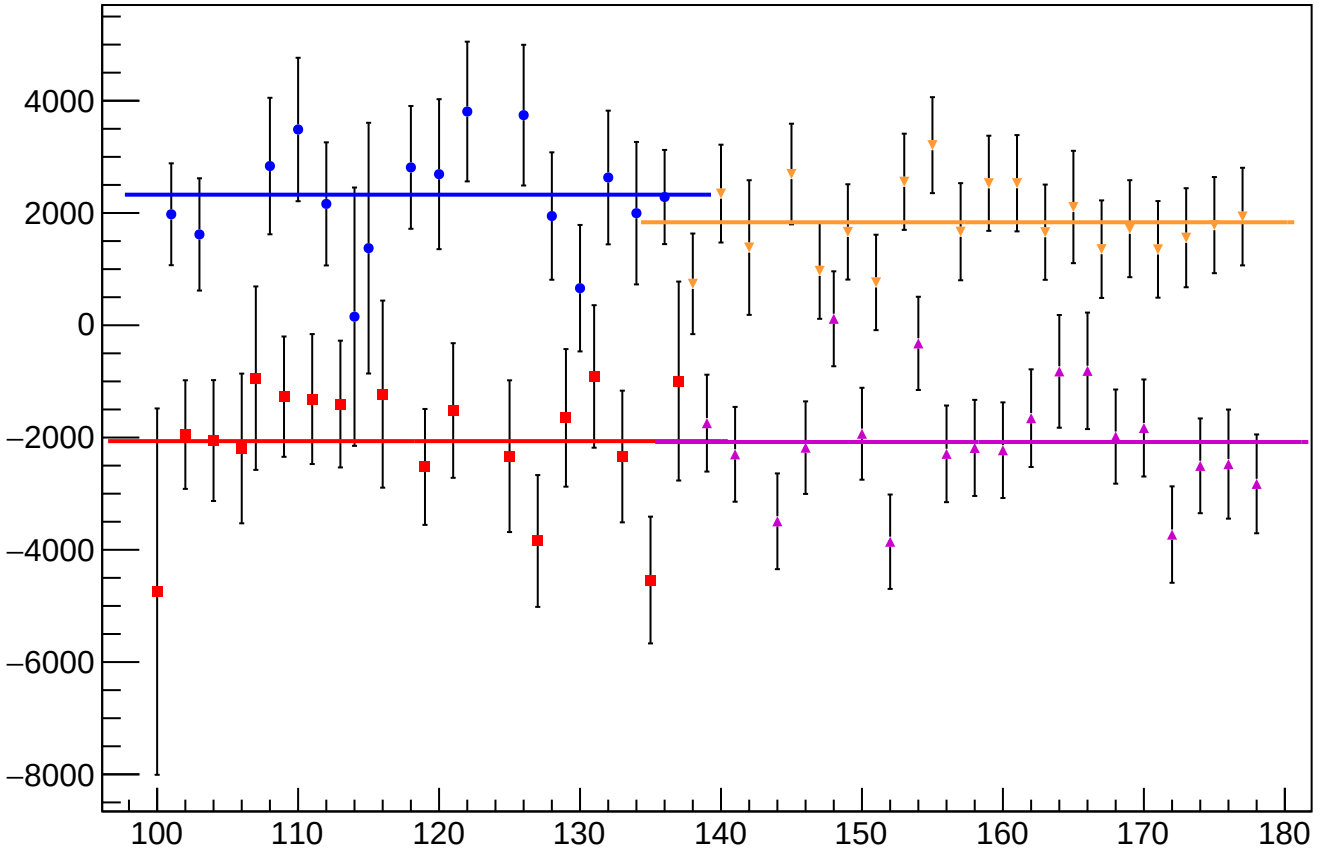
Left In: 1389.615+/-0.248 χ^2/NDF:1139992.3/19

+ sign 1310.958+/-0.198 χ^2/NDF: 1772964.1/35

All: 1322.324+/-0.140 χ^2/NDF: 3455928.3/73

- sign 1333.705+/-0.198 χ^2/NDF: 1676361.1/37

eigen_dit_asym_us_avg_mean vs Slug



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

Left Out: 1835.119+/-196.738 χ^2/NDF:11.1/19

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

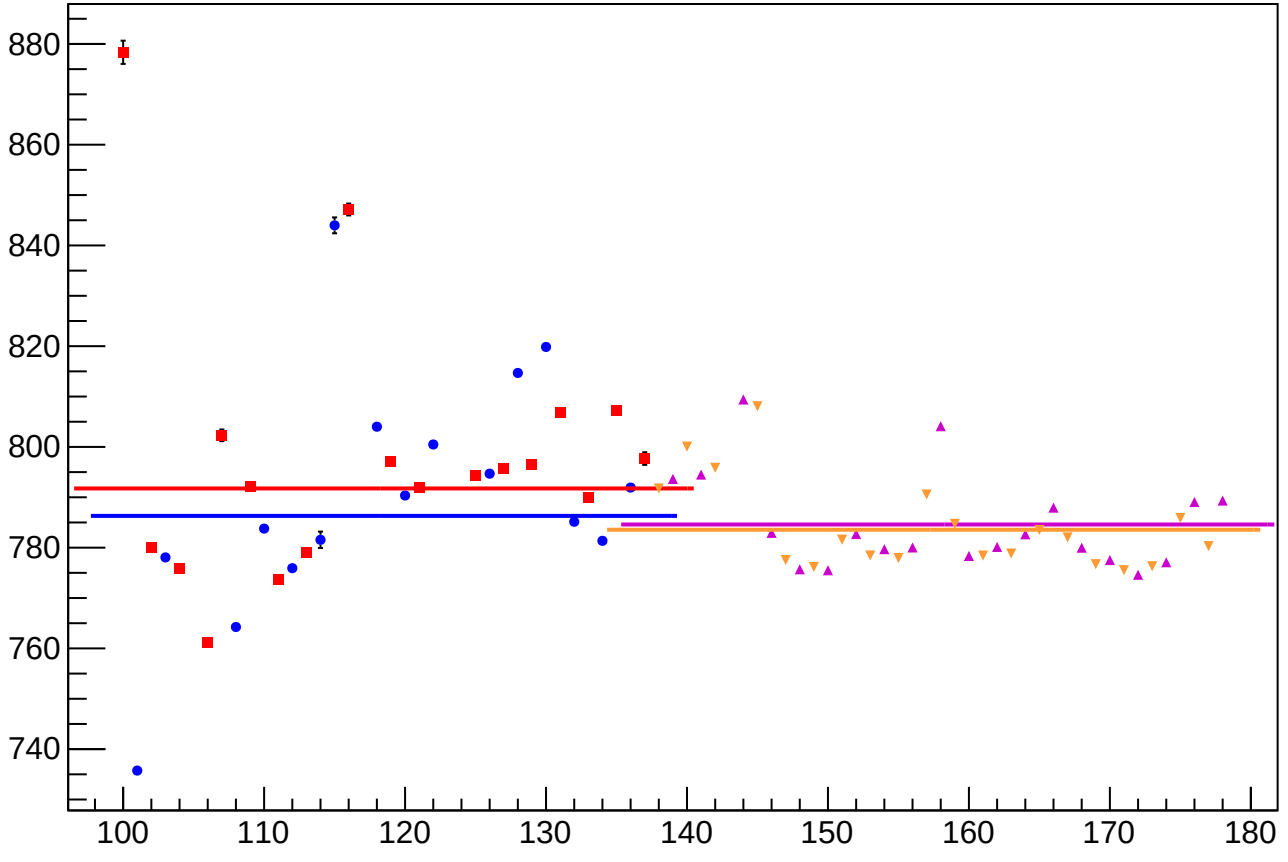
Left In: -2079.623+/-194.085 χ^2/NDF:27.0/19

+ sign 1988.389+/-163.190 χ^2/NDF: 21.2/35

All: -63.098+/-114.827 χ^2/NDF: 372.8/73

- sign -2074.823+/-161.601 χ^2/NDF: 38.6/37

eigen_dit_asym_us_avg_rms vs Slug



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

Left Out: 783.559+/-0.139 χ^2/NDF:3759.1/19

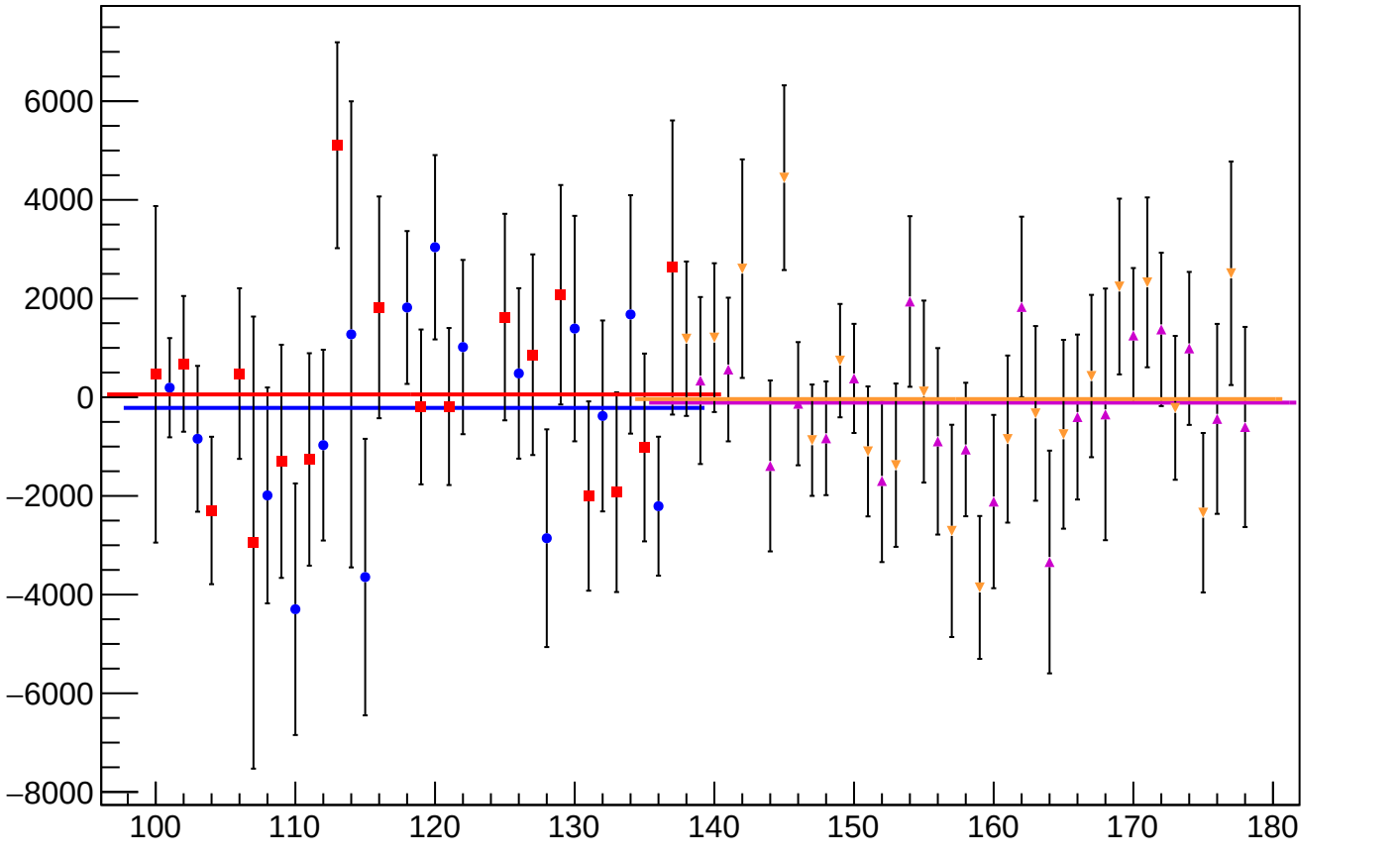
Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

Left In: 784.599+/-0.137 χ^2/NDF:4748.1/19

+ sign 784.417+/-0.115 χ^2/NDF: 16452.1/35

All: 785.617+/-0.081 χ^2/NDF: 29263.9/73

- sign 786.794+/-0.114 χ^2/NDF: 12597.4/37



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

Left Out: -37.361+/-357.574 χ^2/NDF:26.6/19

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

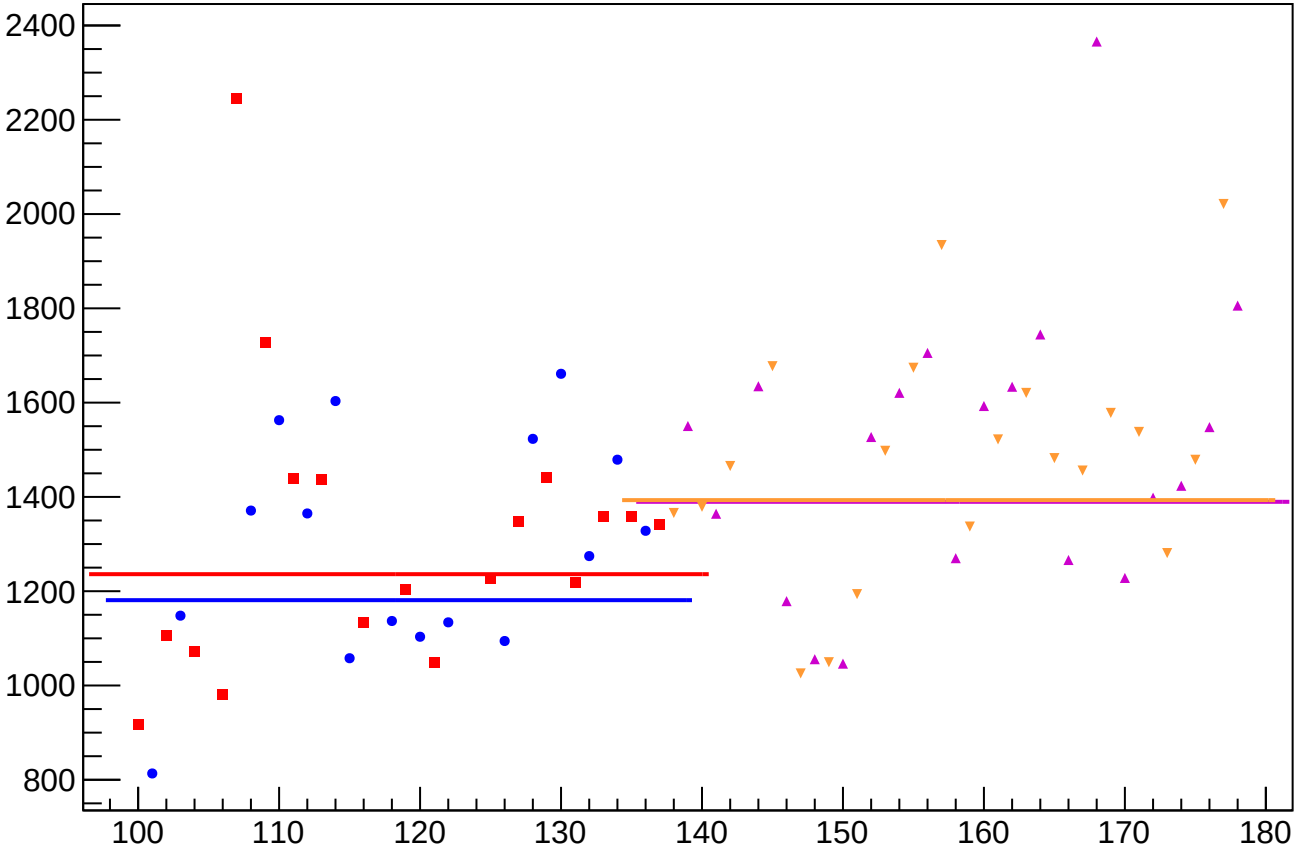
Left In: -109.800+/-351.221 χ^2/NDF:11.4/19

\+ sign -106.658+/-279.841 χ^2/NDF: 42.0/35

All: -77.908+/-197.946 χ^2/NDF: 68.6/73

\- sign -49.117+/-280.036 χ^2/NDF: 26.6/37

asym_us_avg_eigen_dit_correction_rms vs Slug



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

Left Out: 1393.186+/-0.253 χ^2/NDF:928944.2/19

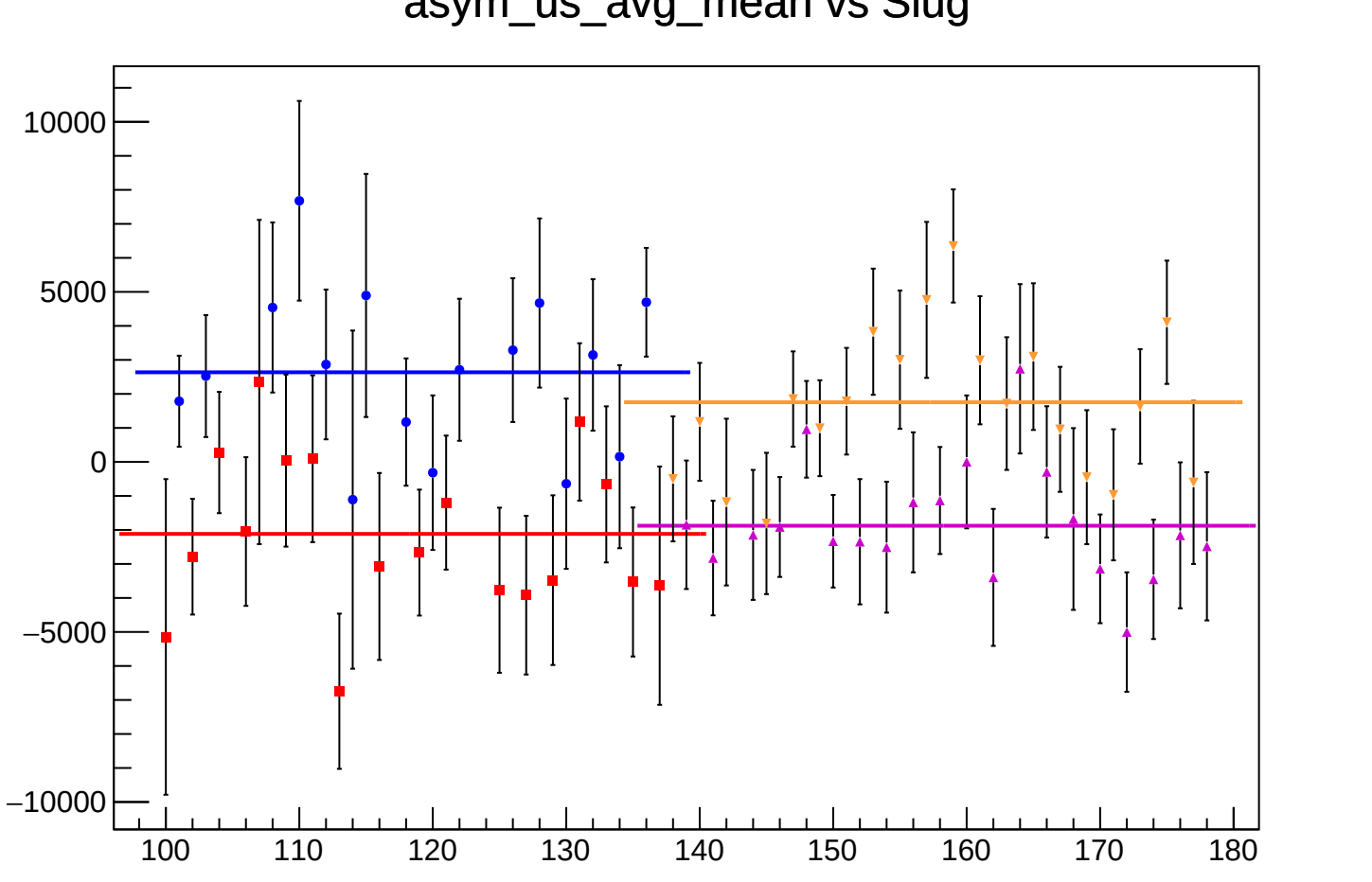
Right Out: 1236.131+/-0.328 χ^2/NDF: 397240.7/17

Left In: 1389.618+/-0.248 χ^2/NDF:1139992.8/19

+ sign 1310.958+/-0.198 χ^2/NDF: 1772978.0/35

All: 1322.324+/-0.140 χ^2/NDF: 3455952.5/73

- sign 1333.706+/-0.198 χ^2/NDF: 1676371.3/37



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

Left Out: 1753.701+/-410.180 χ^2/NDF:24.2/19

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

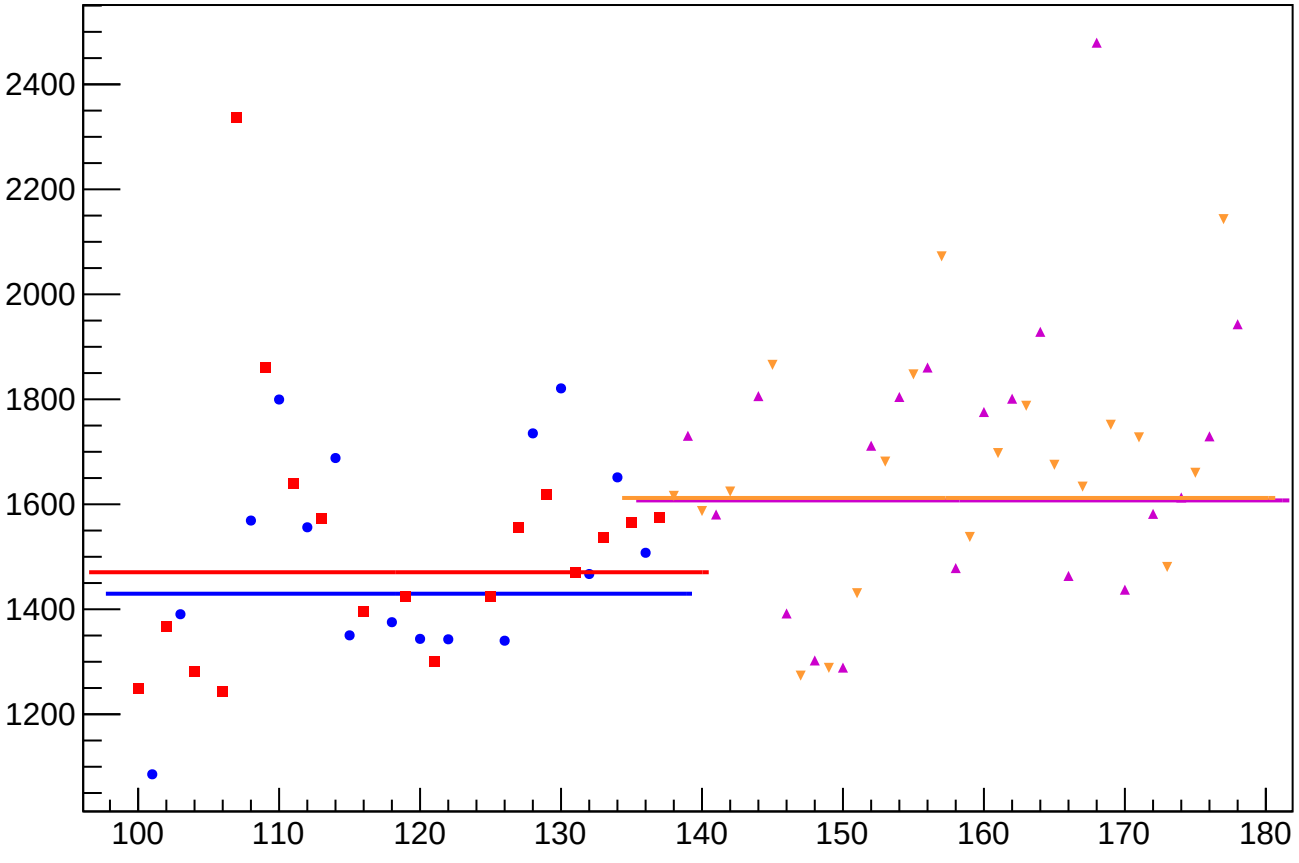
Left In: -1877.120+/-403.104 χ^2/NDF:15.2/19

+ sign 2077.787+/-326.198 χ^2/NDF: 38.1/35

All: 48.272+/-230.092 χ^2/NDF: 144.3/73

- sign -1961.505+/-324.607 χ^2/NDF: 29.1/37

asym_us_avg_rms vs Slug



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

Left Out: 1612.067+/-0.290 χ^2/NDF:544598.9/19

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

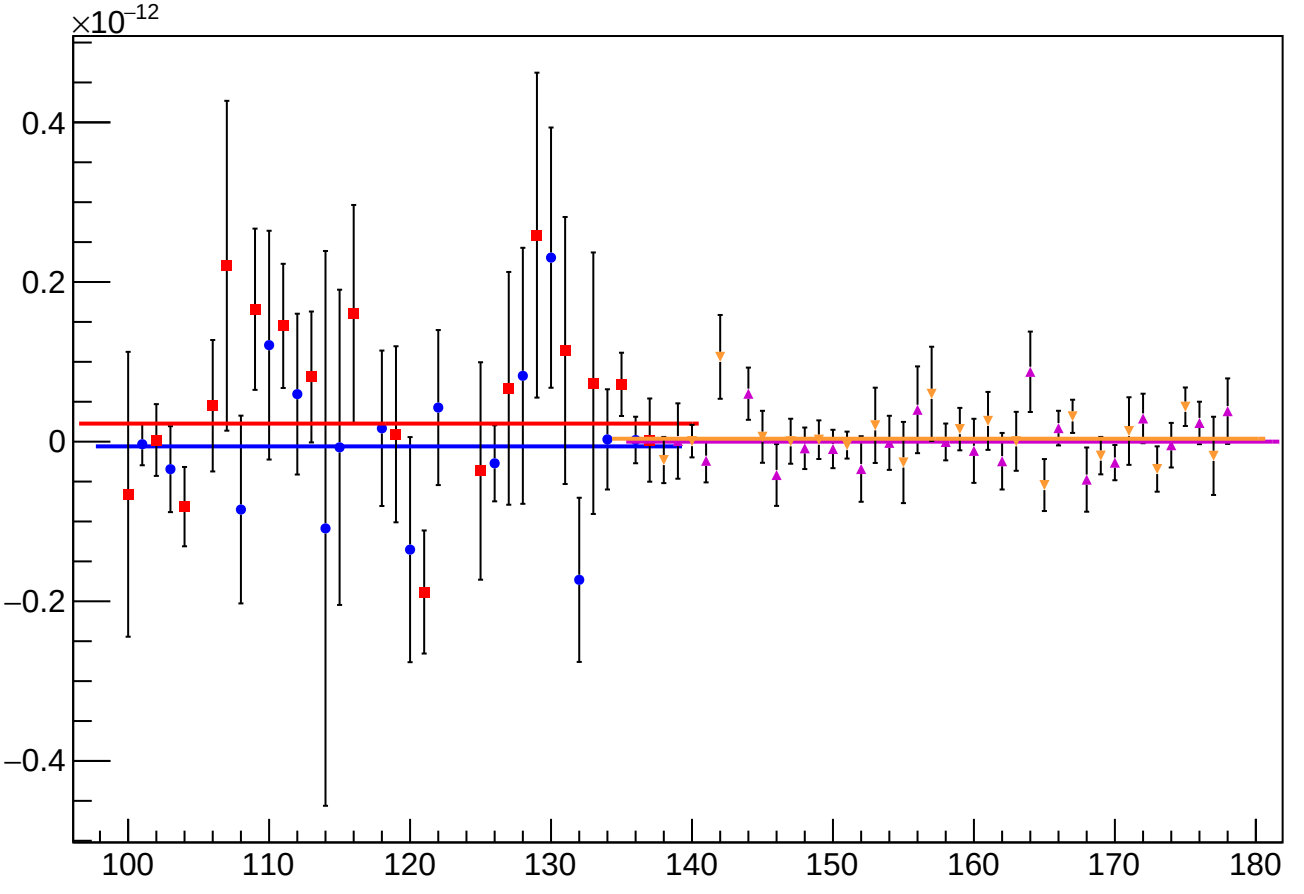
Left In: 1607.394+/-0.285 χ^2/NDF:713829.1/19

+ sign 1545.017+/-0.231 χ^2/NDF: 983377.0/35

All: 1552.190+/-0.163 χ^2/NDF: 1998205.8/73

- sign 1559.293+/-0.230 χ^2/NDF: 1012904.1/37

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:17.5/19

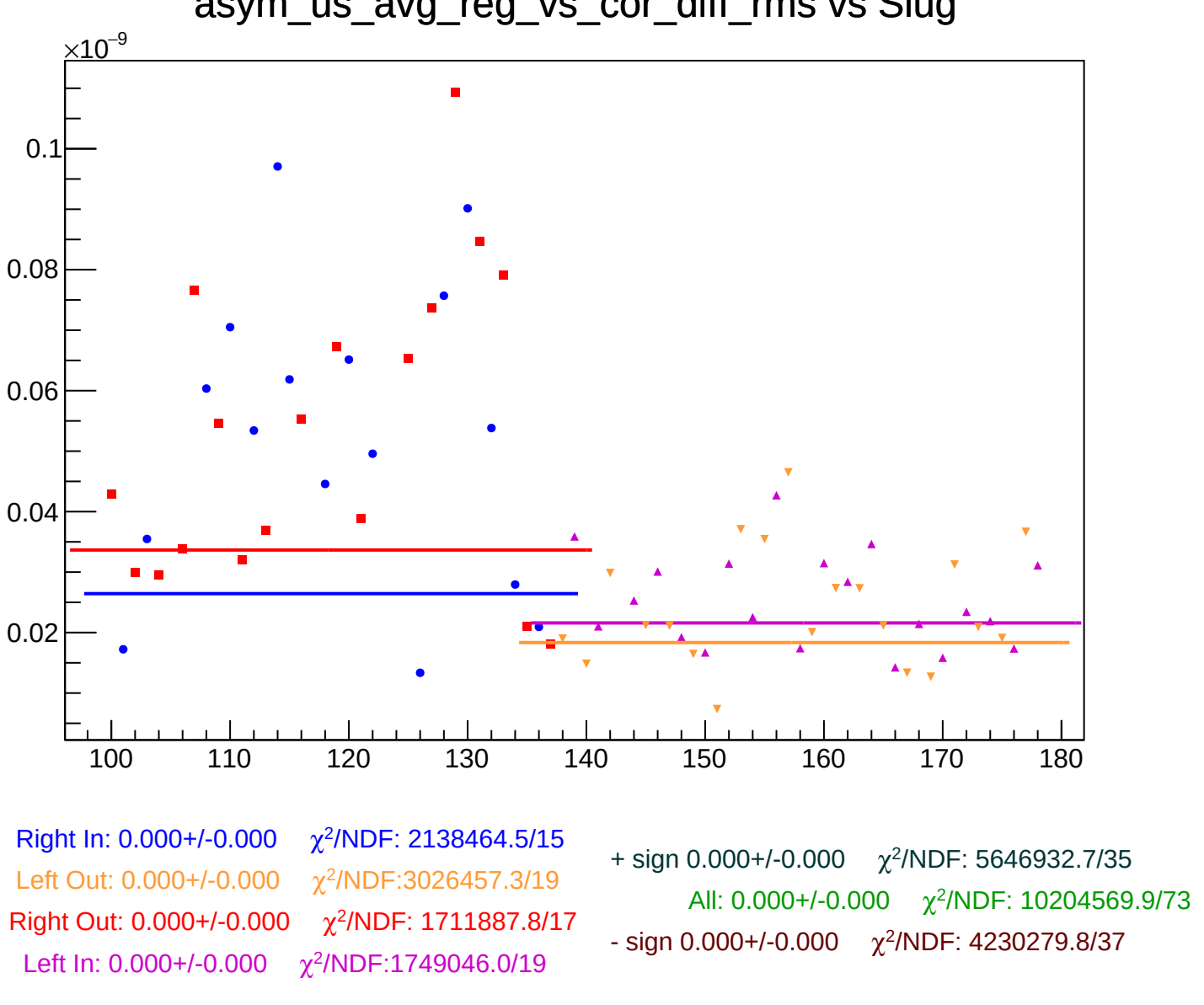
Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/17

Left In: 0.000+/-0.000 χ^2/NDF:16.4/19

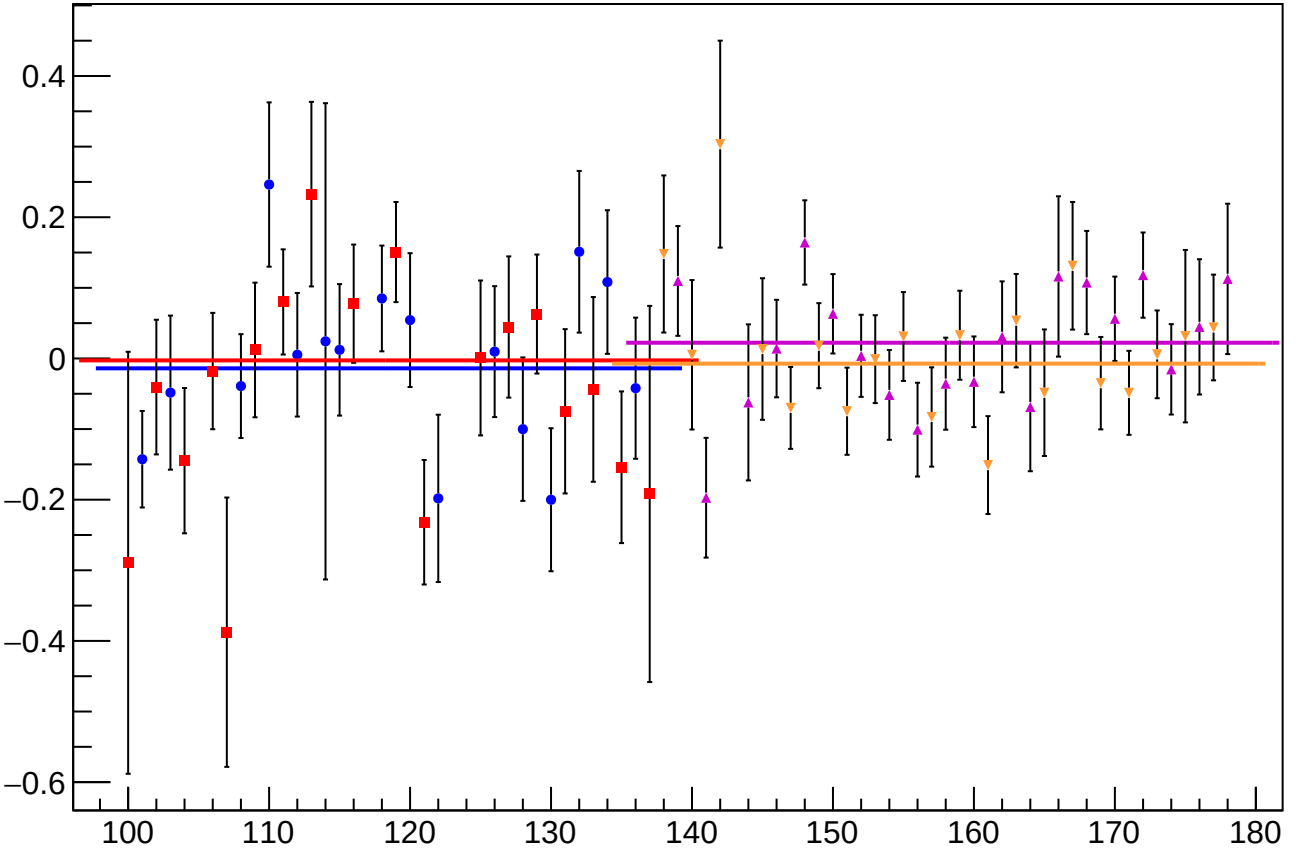
+ sign 0.000+/-0.000 χ^2/NDF: 26.4/35

All: 0.000+/-0.000 χ^2/NDF: 67.1/73

- sign 0.000+/-0.000 χ^2/NDF: 40.8/37


asym_us_avg_reg_vs_cor_diff_rms vs Slug
×10^−9
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2138464.5/15
Left Out: 0.000+/-0.000 χ²/NDF:3026457.3/19
Right Out: 0.000+/-0.000 χ²/NDF: 1711887.8/17
Left In: 0.000+/-0.000 χ²/NDF:1749046.0/19
+ sign 0.000+/-0.000 χ²/NDF: 5646932.7/35
All: 0.000+/-0.000 χ²/NDF: 10204569.9/73
- sign 0.000+/-0.000 χ²/NDF: 4230279.8/37

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+/-0.016 χ^2/NDF:20.0/19

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

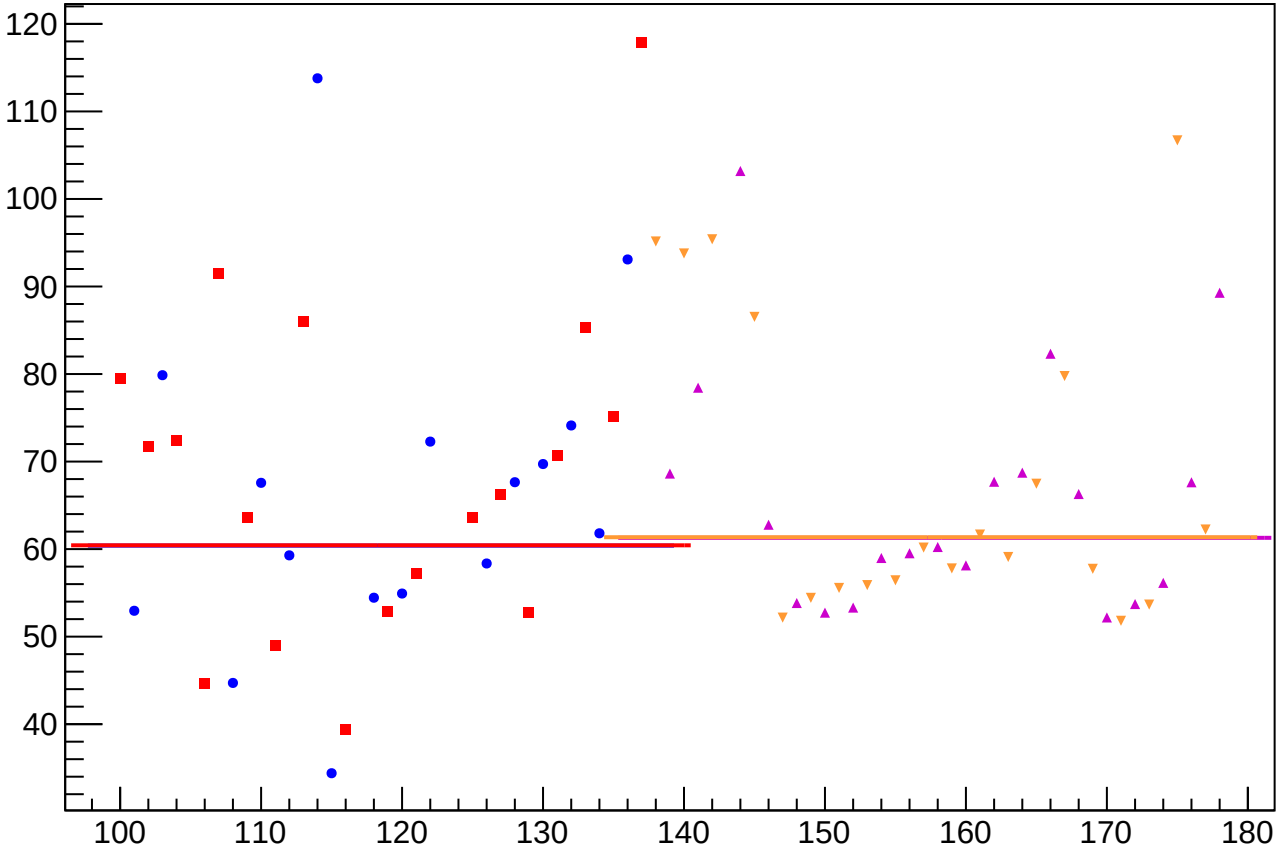
Left In: 0.022+/-0.016 χ^2/NDF:28.2/19

+ sign -0.009+/-0.013 χ^2/NDF: 41.4/35

All: 0.003+/-0.009 χ^2/NDF: 99.7/73

- sign 0.015+/-0.013 χ^2/NDF: 56.7/37

asym_us_avg_dit_vs_cor_diff_rms vs Slug



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

Left Out: 61.356+/-0.011 χ^2/NDF:1193905.8/19

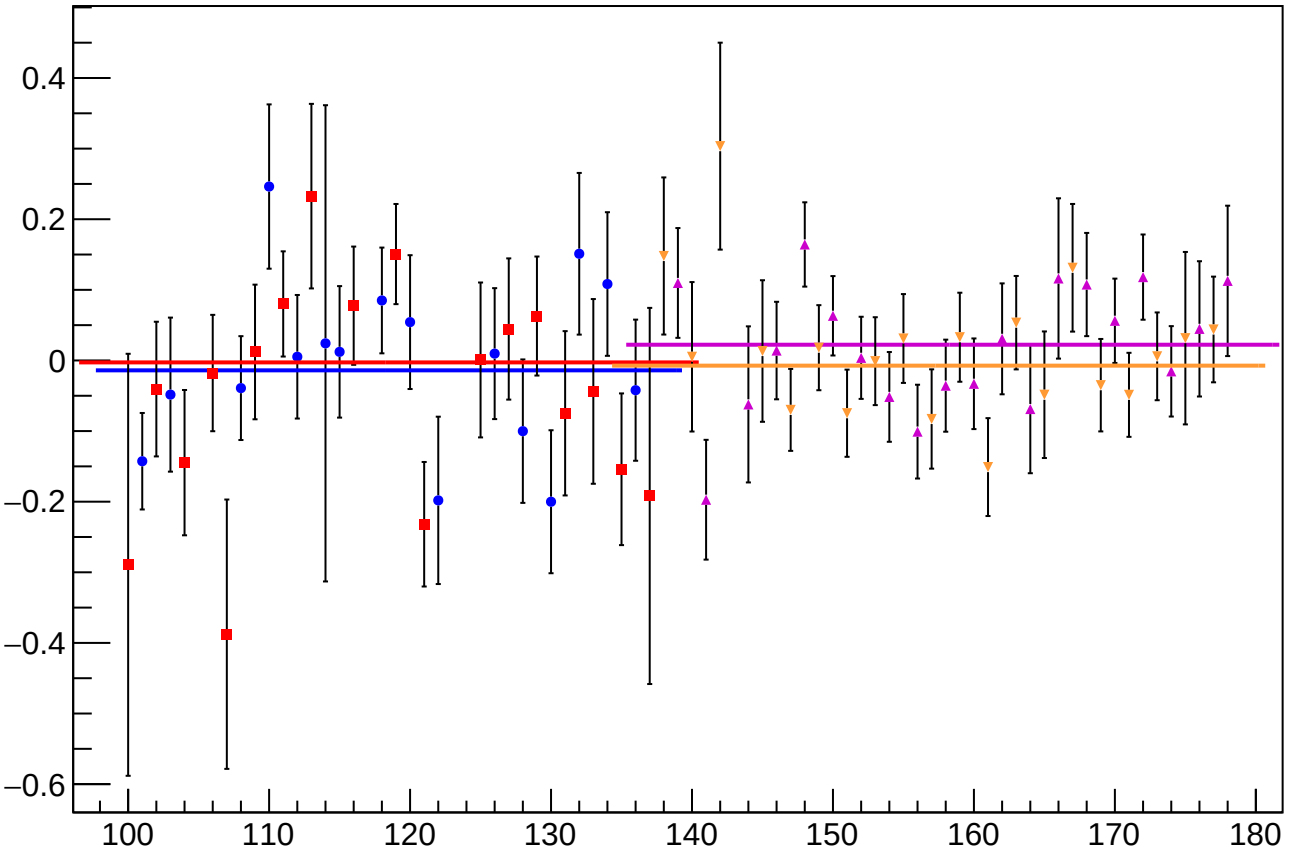
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 61.288+/-0.011 χ^2/NDF:854837.7/19

+ sign 61.055+/-0.009 χ^2/NDF: 1899265.6/35

All: 61.040+/-0.007 χ^2/NDF: 3466986.4/73

- sign 61.026+/-0.009 χ^2/NDF: 1567716.0/37



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

Left Out: -0.007+/-0.016 χ^2/NDF:20.0/19

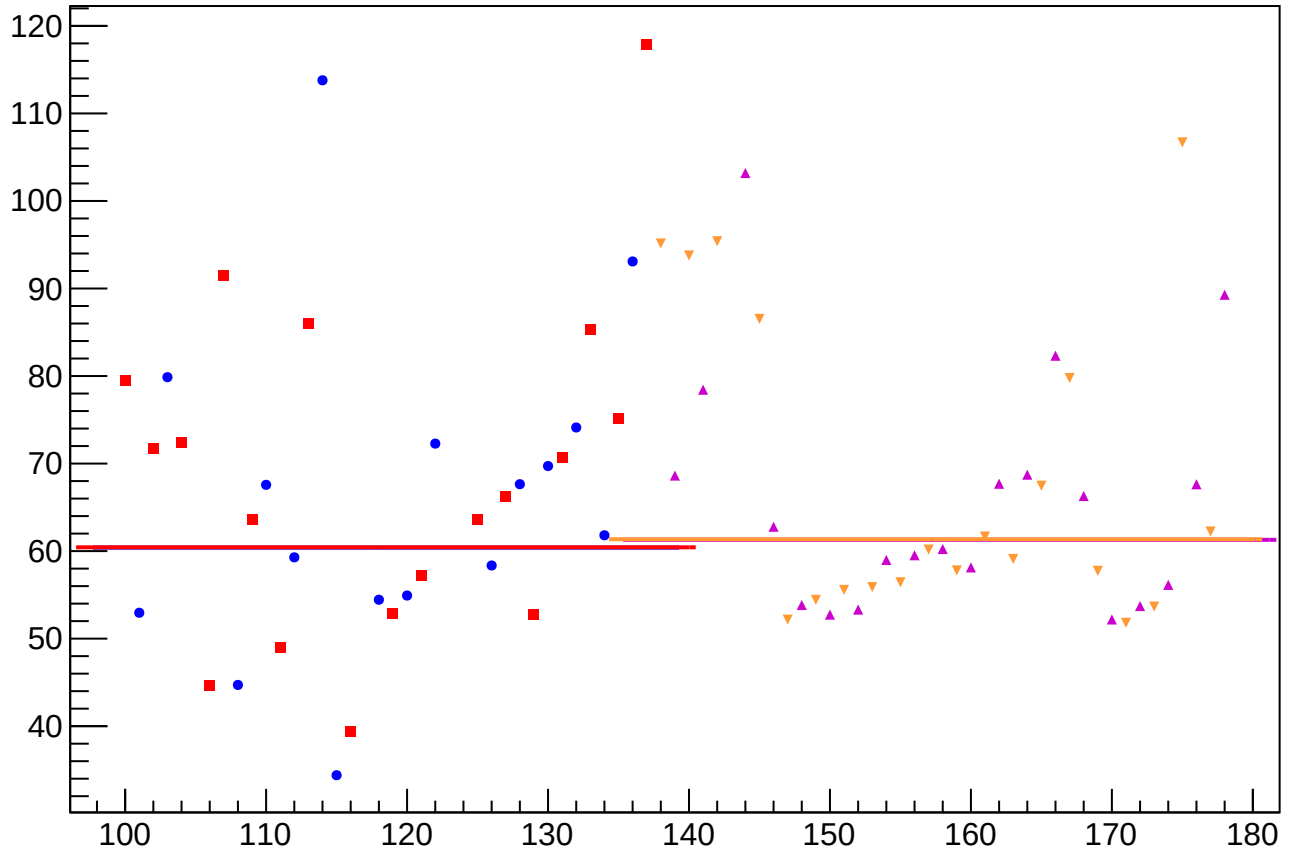
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: 0.022+/-0.016 χ^2/NDF:28.2/19

+ sign -0.009+/-0.013 χ^2/NDF: 41.4/35

All: 0.003+/-0.009 χ^2/NDF: 99.7/73

- sign 0.015+/-0.013 χ^2/NDF: 56.7/37



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

Left Out: 61.356+/-0.011 χ^2/NDF:1193905.8/19

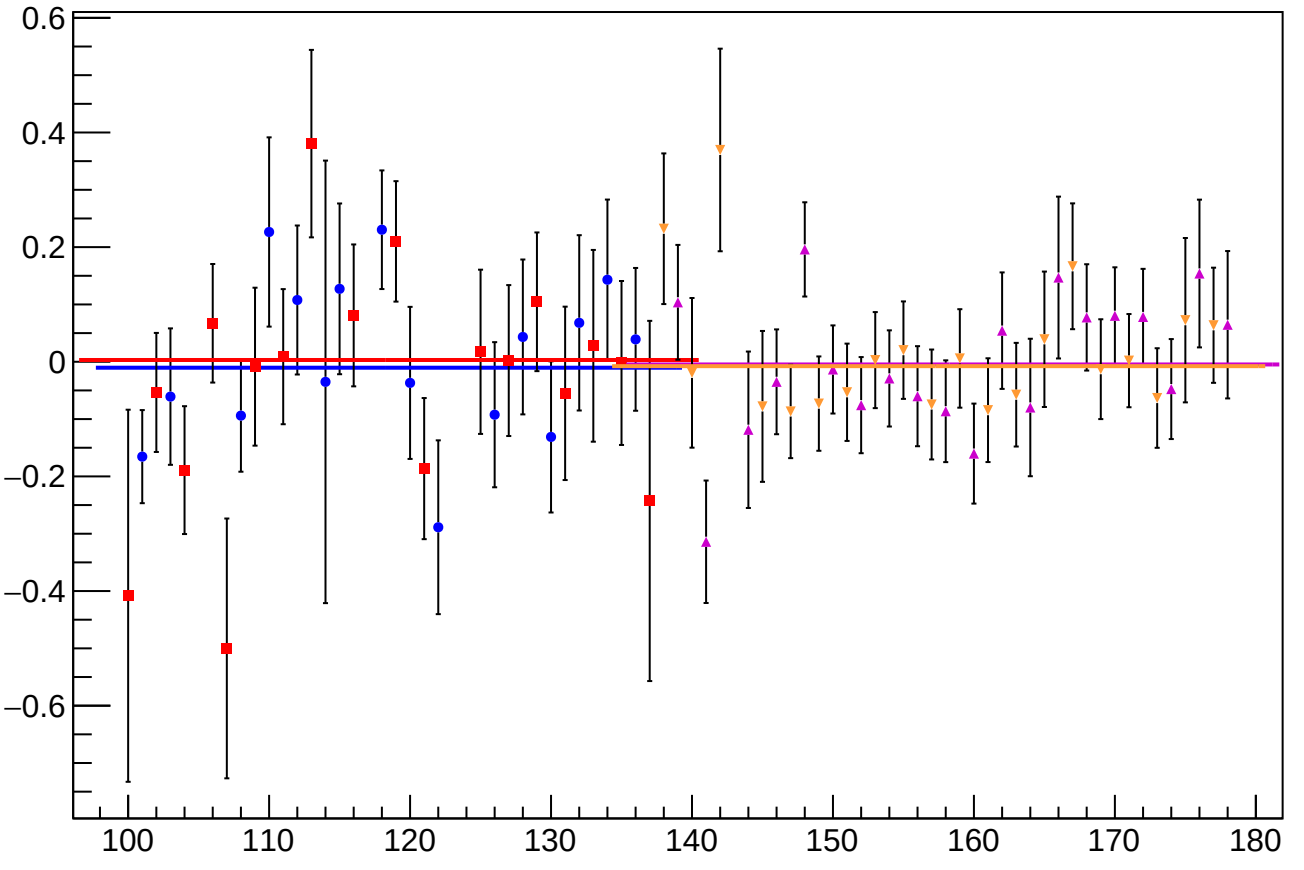
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 61.288+/-0.011 χ^2/NDF:854837.7/19

+ sign 61.055+/-0.009 χ^2/NDF: 1899265.6/35

All: 61.040+/-0.007 χ^2/NDF: 3466986.4/73

- sign 61.026+/-0.009 χ^2/NDF: 1567716.0/37



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

Left Out: -0.008+/-0.022 χ^2/NDF:15.6/19

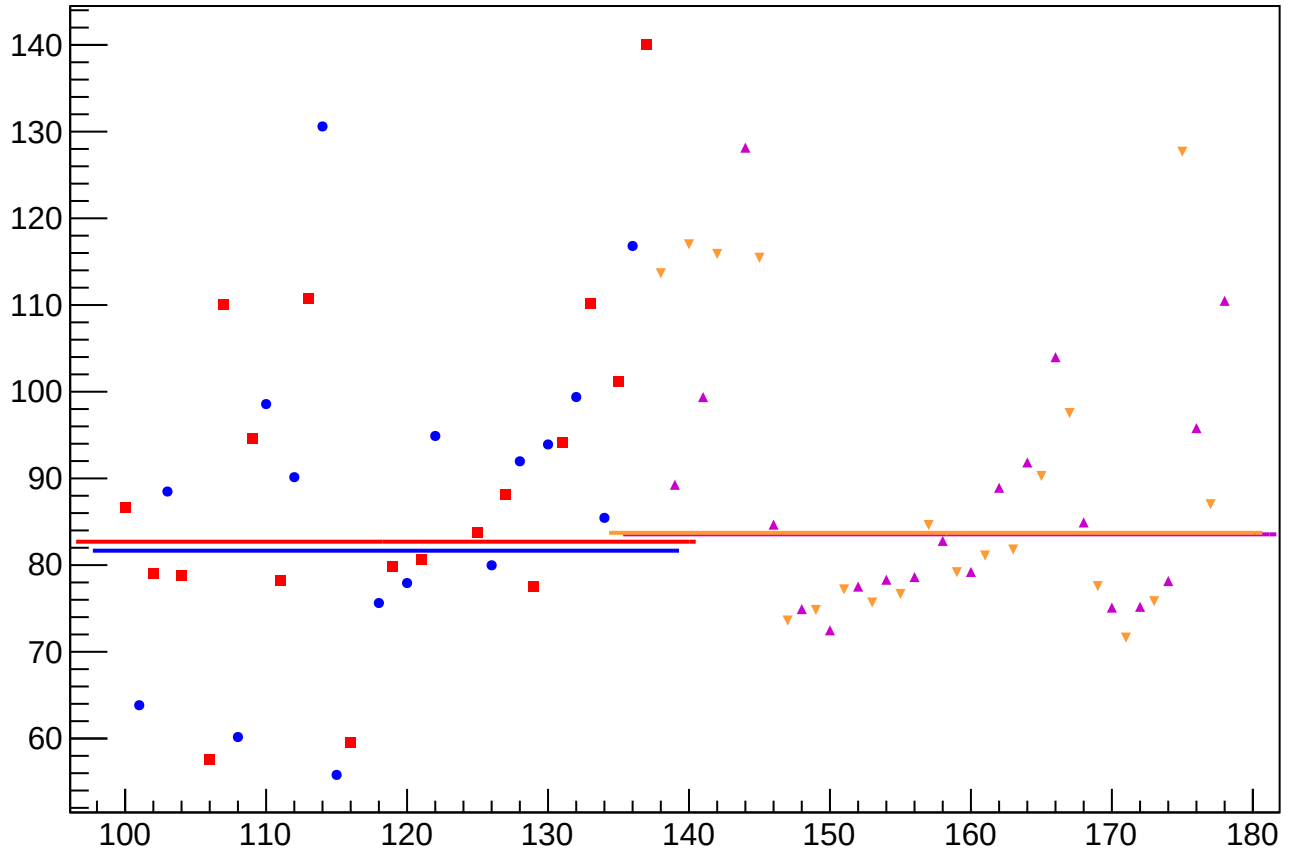
Right Out: 0.003+/-0.032 χ^2/NDF: 23.7/17

Left In: -0.005+/-0.021 χ^2/NDF:28.3/19

+ sign -0.009+/-0.018 χ^2/NDF: 35.8/35

All: -0.005+/-0.013 χ^2/NDF: 87.8/73

- sign -0.002+/-0.018 χ^2/NDF: 52.0/37



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

Left Out: 83.726+/-0.015 χ^2/NDF:821362.5/19

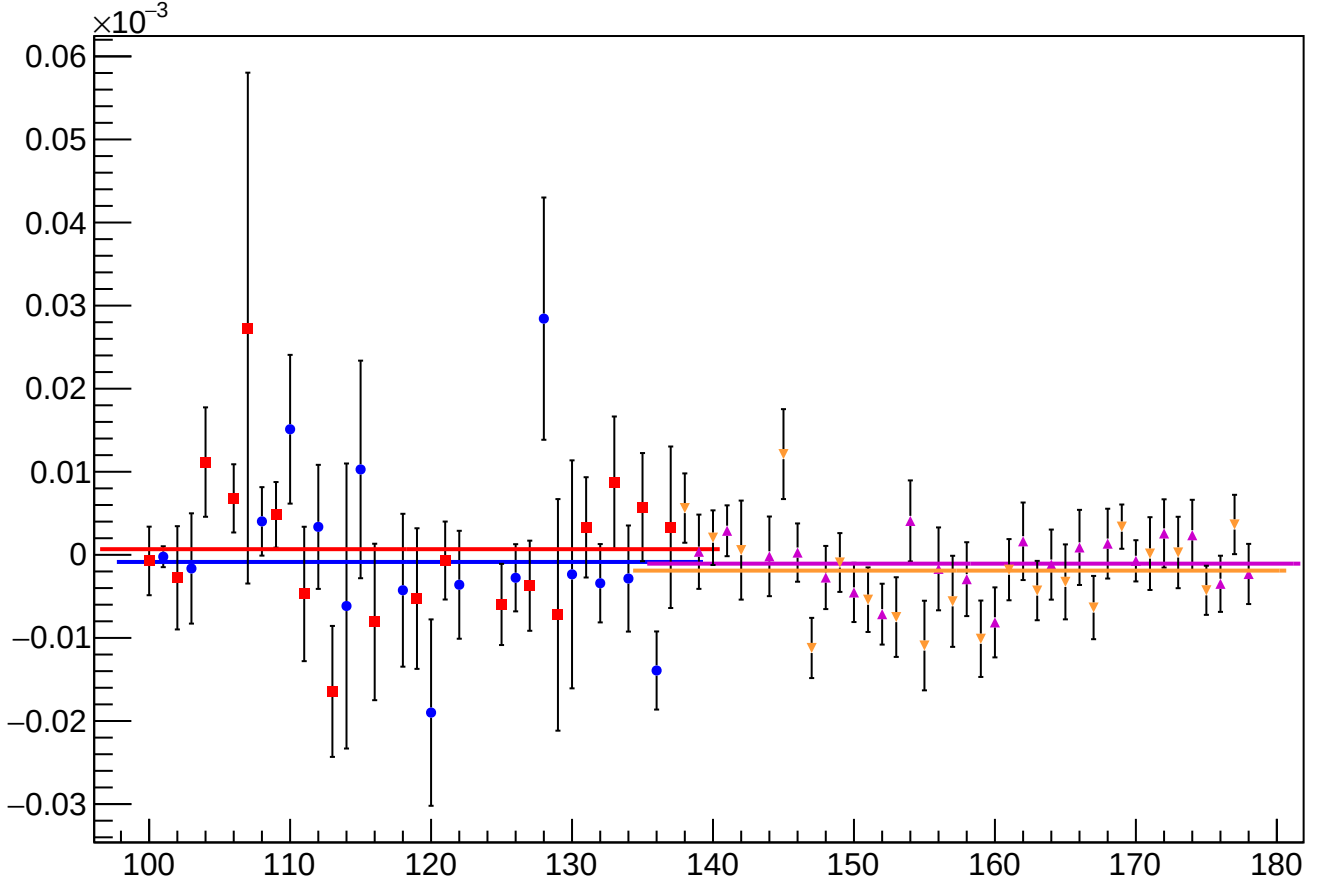
Right Out: 82.701+/-0.022 χ^2/NDF: 473065.7/17

Left In: 83.549+/-0.015 χ^2/NDF:568250.4/19

+ sign 83.067+/-0.013 χ^2/NDF: 1389006.8/35

All: 83.178+/-0.009 χ^2/NDF: 2431460.7/73

- sign 83.287+/-0.012 χ^2/NDF: 1042301.0/37



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

Left Out: -0.000+/-0.000 χ^2/NDF:36.3/19

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

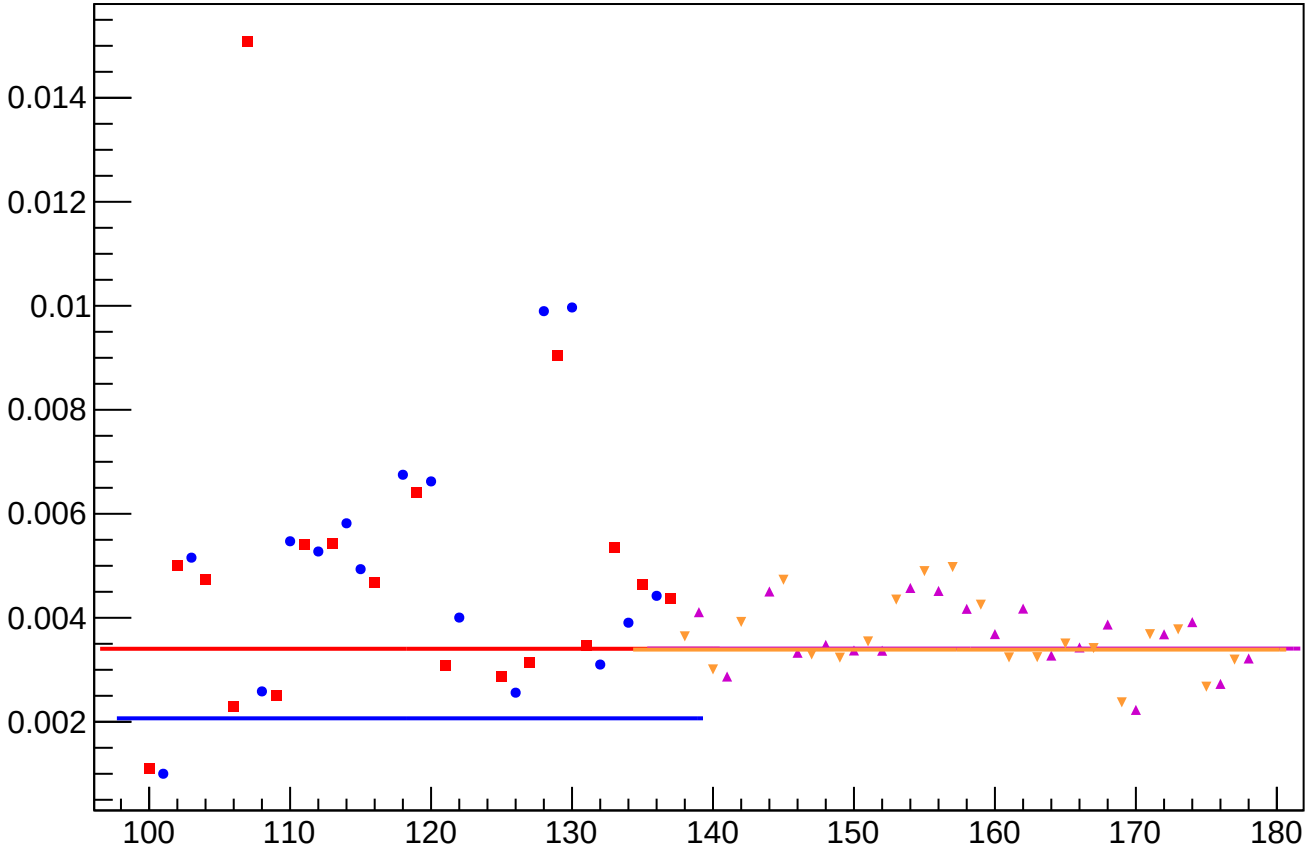
Left In: -0.000+/-0.000 χ^2/NDF:12.9/19

+ sign -0.000+/-0.000 χ^2/NDF: 58.2/35

All: -0.000+/-0.000 χ^2/NDF: 91.3/73

- sign -0.000+/-0.000 χ^2/NDF: 32.3/37

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:1103010.3/19

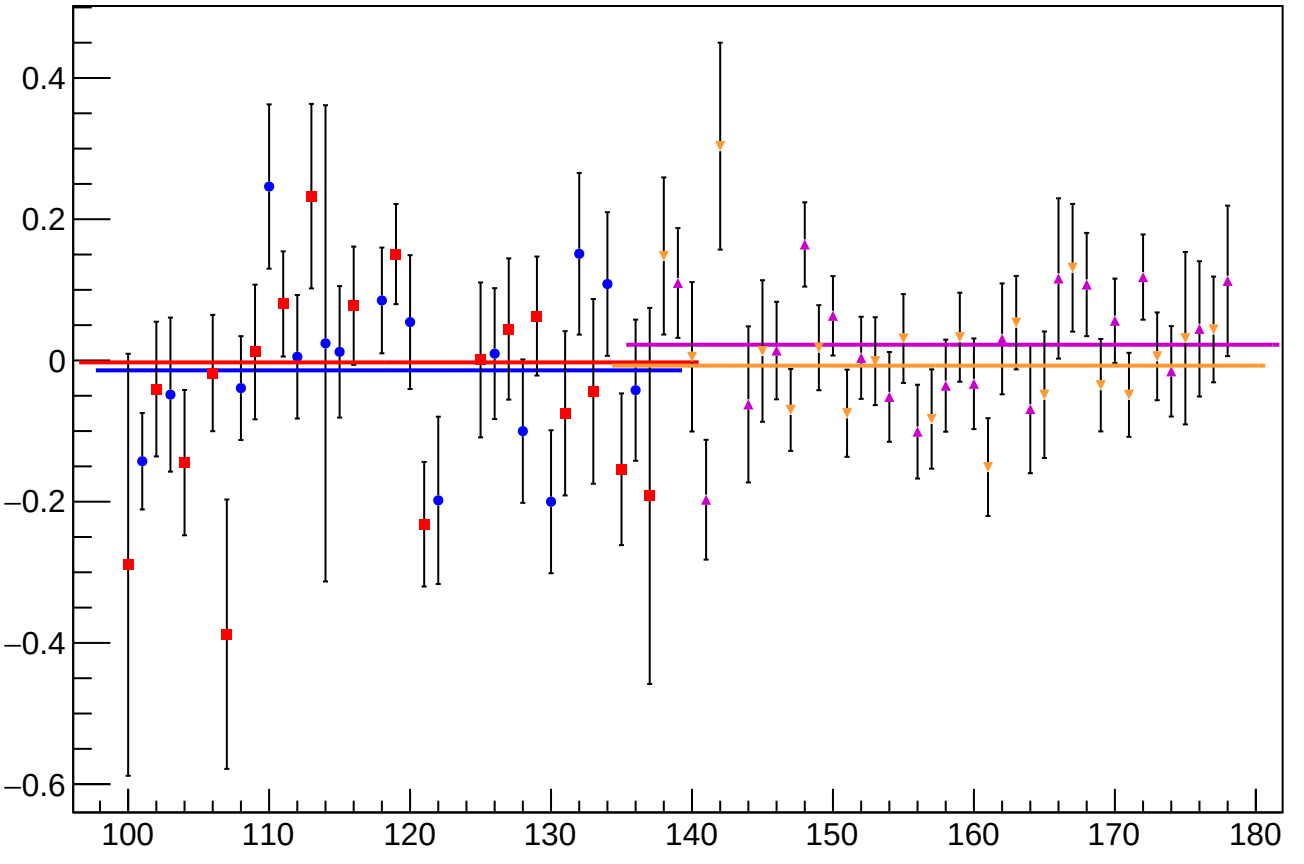
Right Out: 0.003+/-0.000 χ^2/NDF: 2491305.2/17

Left In: 0.003+/-0.000 χ^2/NDF:1154859.7/19

+ sign 0.003+/-0.000 χ^2/NDF: 8875198.6/35

All: 0.003+/-0.000 χ^2/NDF: 13222383.2/73

- sign 0.003+/-0.000 χ^2/NDF: 3646174.4/37



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

Left Out: -0.007+/-0.016 χ^2/NDF:20.0/19

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

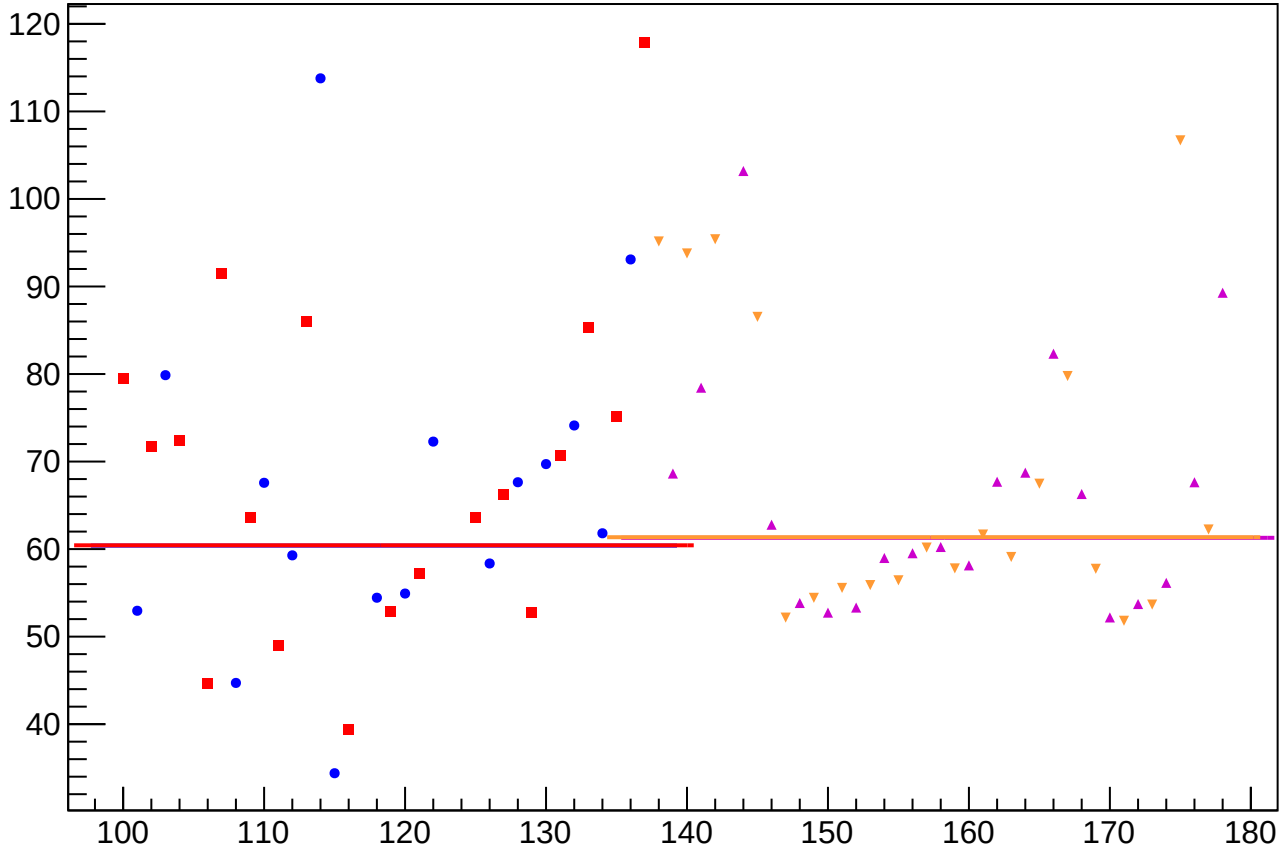
Left In: 0.022+/-0.016 χ^2/NDF:28.2/19

+ sign -0.009+/-0.013 χ^2/NDF: 41.4/35

All: 0.003+/-0.009 χ^2/NDF: 99.7/73

- sign 0.015+/-0.013 χ^2/NDF: 56.7/37

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: 61.357+/-0.011 χ^2/NDF:1193895.5/19

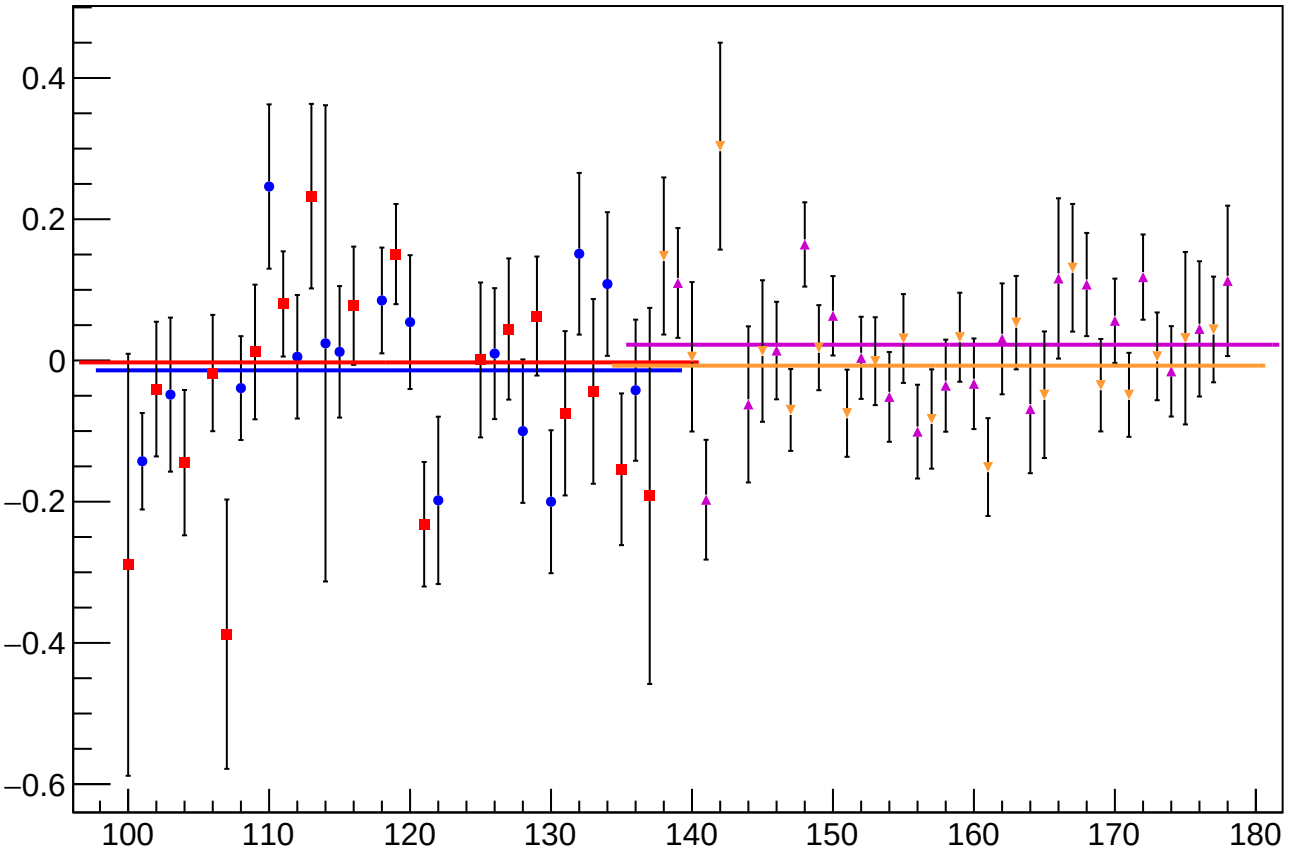
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

Left In: 61.288+/-0.011 χ^2/NDF:854826.5/19

+ sign 61.055+/-0.009 χ^2/NDF: 1899275.8/35

All: 61.040+/-0.007 χ^2/NDF: 3467022.9/73

- sign 61.025+/-0.009 χ^2/NDF: 1567742.2/37



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

Left Out: -0.007+/-0.016 χ^2/NDF:20.0/19

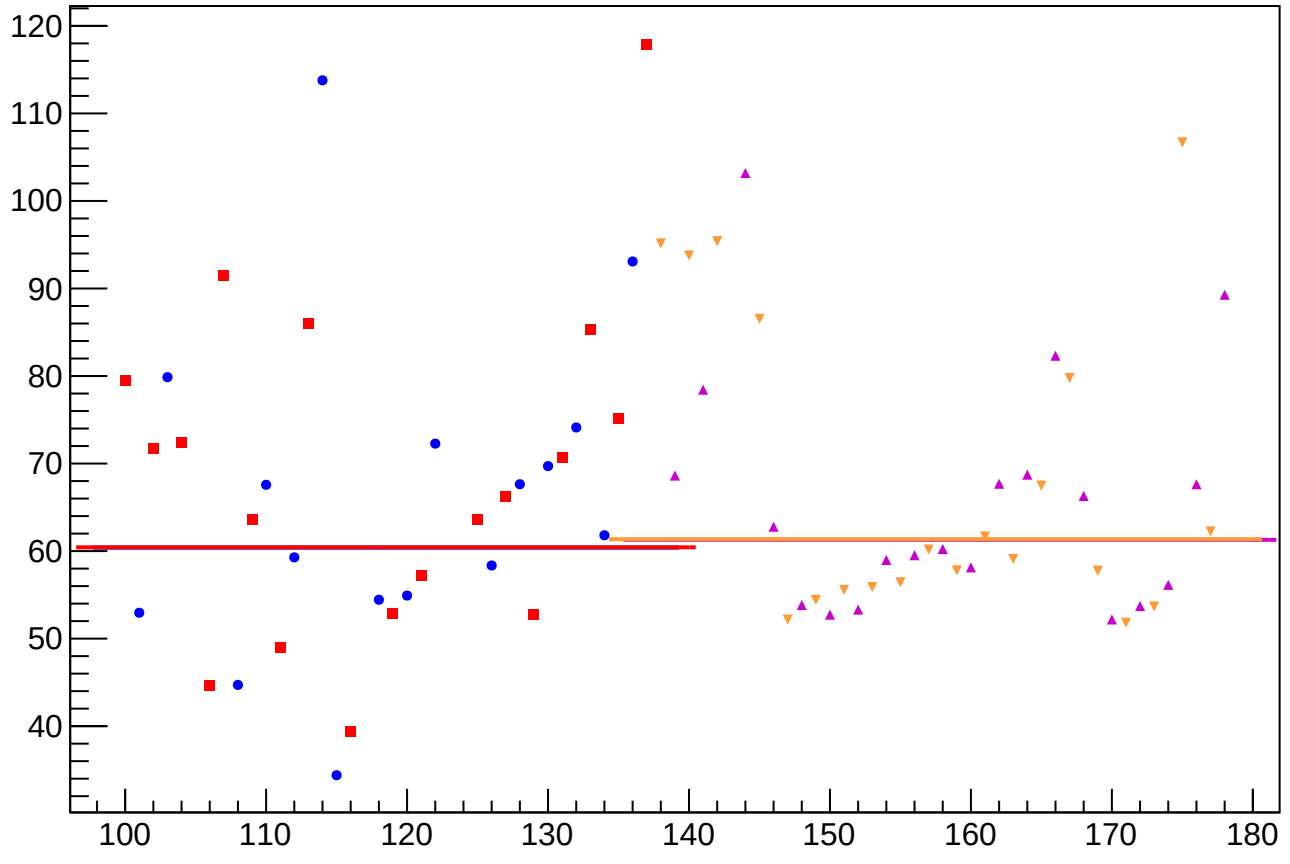
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: 0.022+/-0.016 χ^2/NDF:28.2/19

+ sign -0.009+/-0.013 χ^2/NDF: 41.4/35

All: 0.003+/-0.009 χ^2/NDF: 99.7/73

- sign 0.015+/-0.013 χ^2/NDF: 56.7/37



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

Left Out: 61.357+/-0.011 χ^2/NDF:1193895.5/19

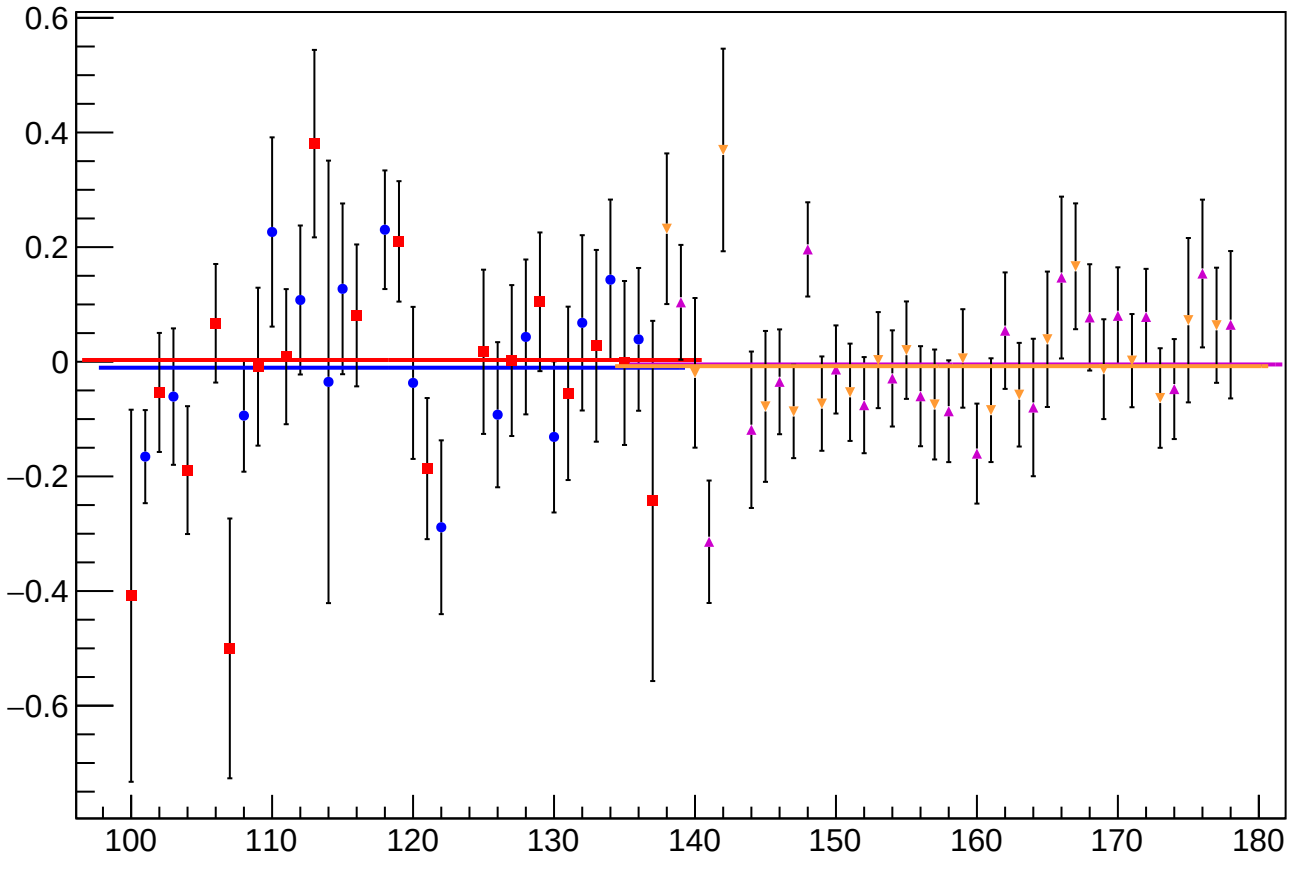
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

Left In: 61.288+/-0.011 χ^2/NDF:854826.5/19

+ sign 61.055+/-0.009 χ^2/NDF: 1899275.8/35

All: 61.040+/-0.007 χ^2/NDF: 3467022.9/73

- sign 61.025+/-0.009 χ^2/NDF: 1567742.2/37



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

Left Out: -0.008+/-0.022 χ^2/NDF:15.6/19

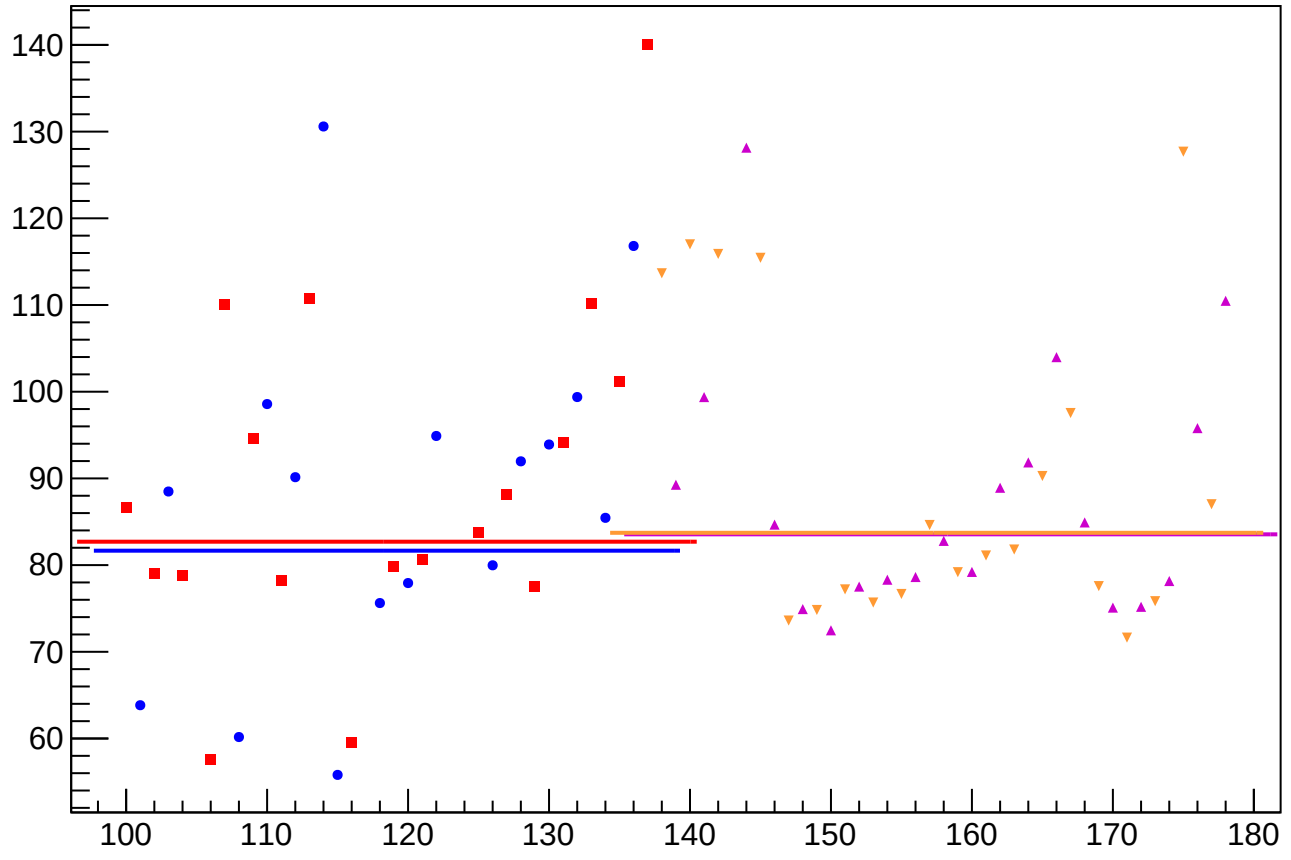
Right Out: 0.003+/-0.032 χ^2/NDF: 23.7/17

Left In: -0.005+/-0.021 χ^2/NDF:28.3/19

+ sign -0.009+/-0.018 χ^2/NDF: 35.8/35

All: -0.005+/-0.013 χ^2/NDF: 87.8/73

- sign -0.002+/-0.018 χ^2/NDF: 52.0/37



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

Left Out: 83.727+/-0.015 χ^2/NDF:821357.5/19

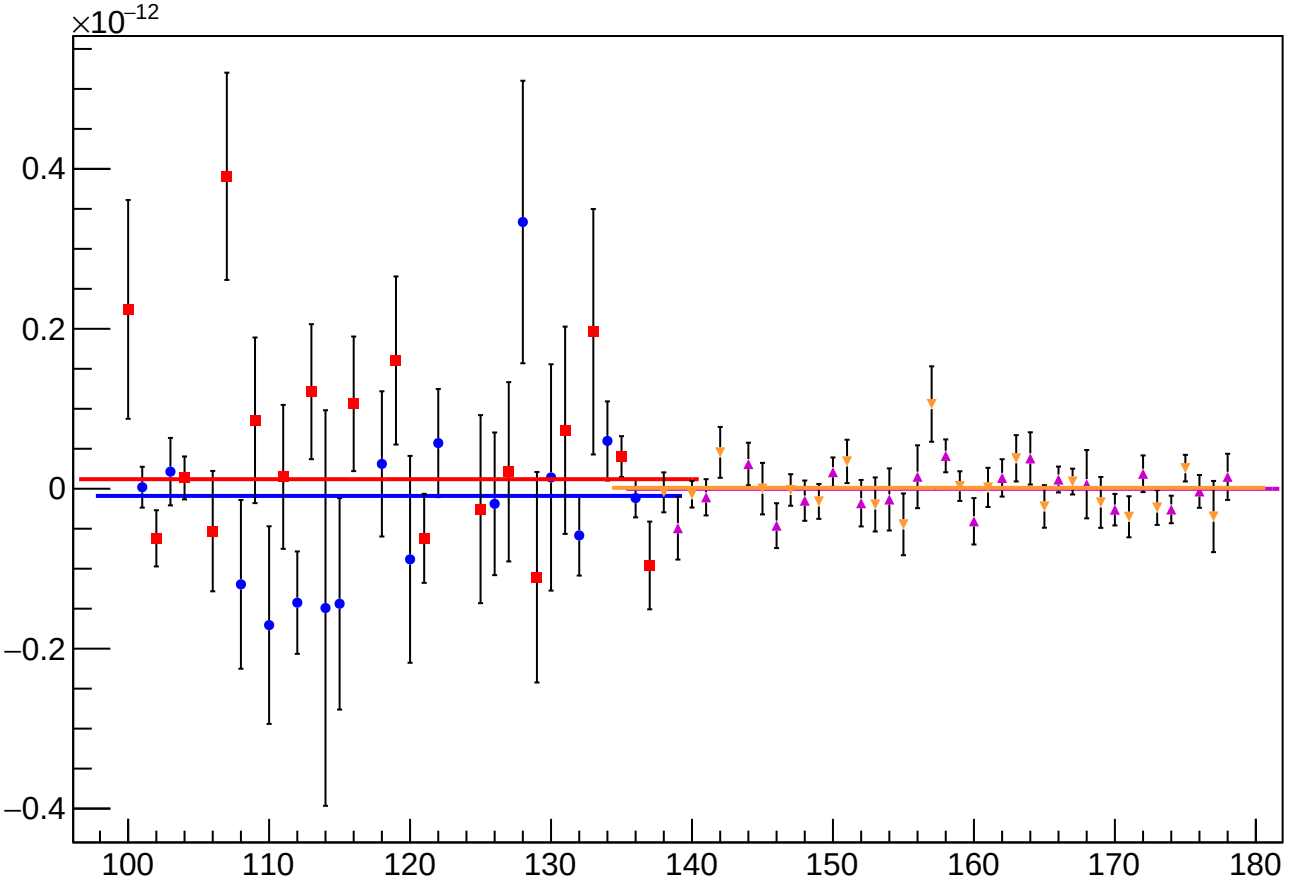
Right Out: 82.700+/-0.022 χ^2/NDF: 473062.4/17

Left In: 83.549+/-0.015 χ^2/NDF:568247.2/19

+ sign 83.067+/-0.013 χ^2/NDF: 1388996.0/35

All: 83.178+/-0.009 χ^2/NDF: 2431446.3/73

- sign 83.287+/-0.012 χ^2/NDF: 1042297.5/37



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

Left Out: 0.000+/-0.000 χ^2/NDF:20.1/19

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

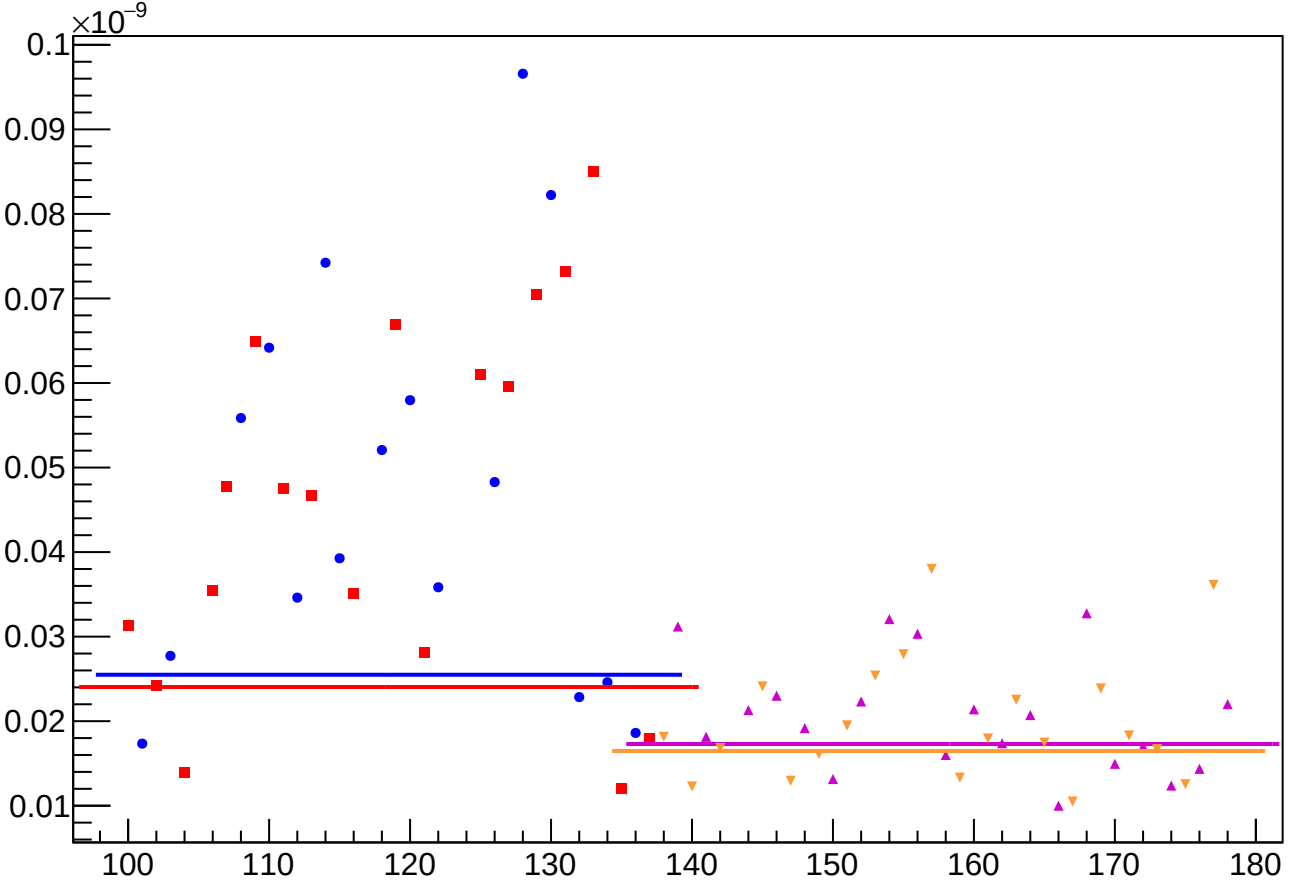
Left In: -0.000+/-0.000 χ^2/NDF:21.3/19

+ sign -0.000+/-0.000 χ^2/NDF: 38.1/35

All: 0.000+/-0.000 χ^2/NDF: 91.2/73

- sign 0.000+/-0.000 χ^2/NDF: 53.0/37

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:2118681.7/19

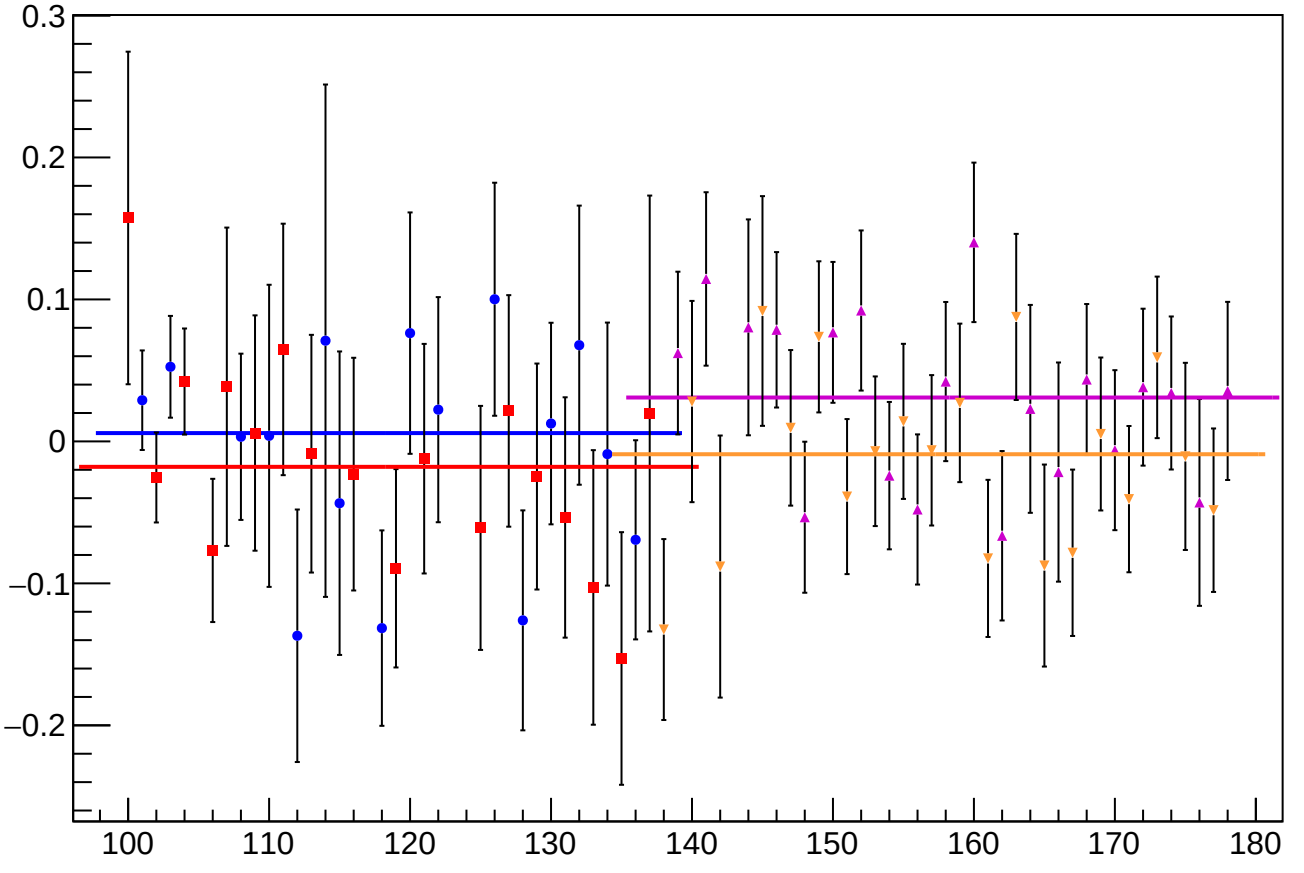
Right Out: 0.000+/-0.000 χ^2/NDF: 3084598.6/17

Left In: 0.000+/-0.000 χ^2/NDF:2086820.7/19

+ sign 0.000+/-0.000 χ^2/NDF: 4914968.7/35

All: 0.000+/-0.000 χ^2/NDF: 10532099.4/73

- sign 0.000+/-0.000 χ^2/NDF: 5607091.7/37



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

Left Out: -0.009+/-0.013 χ^2/NDF:19.2/19

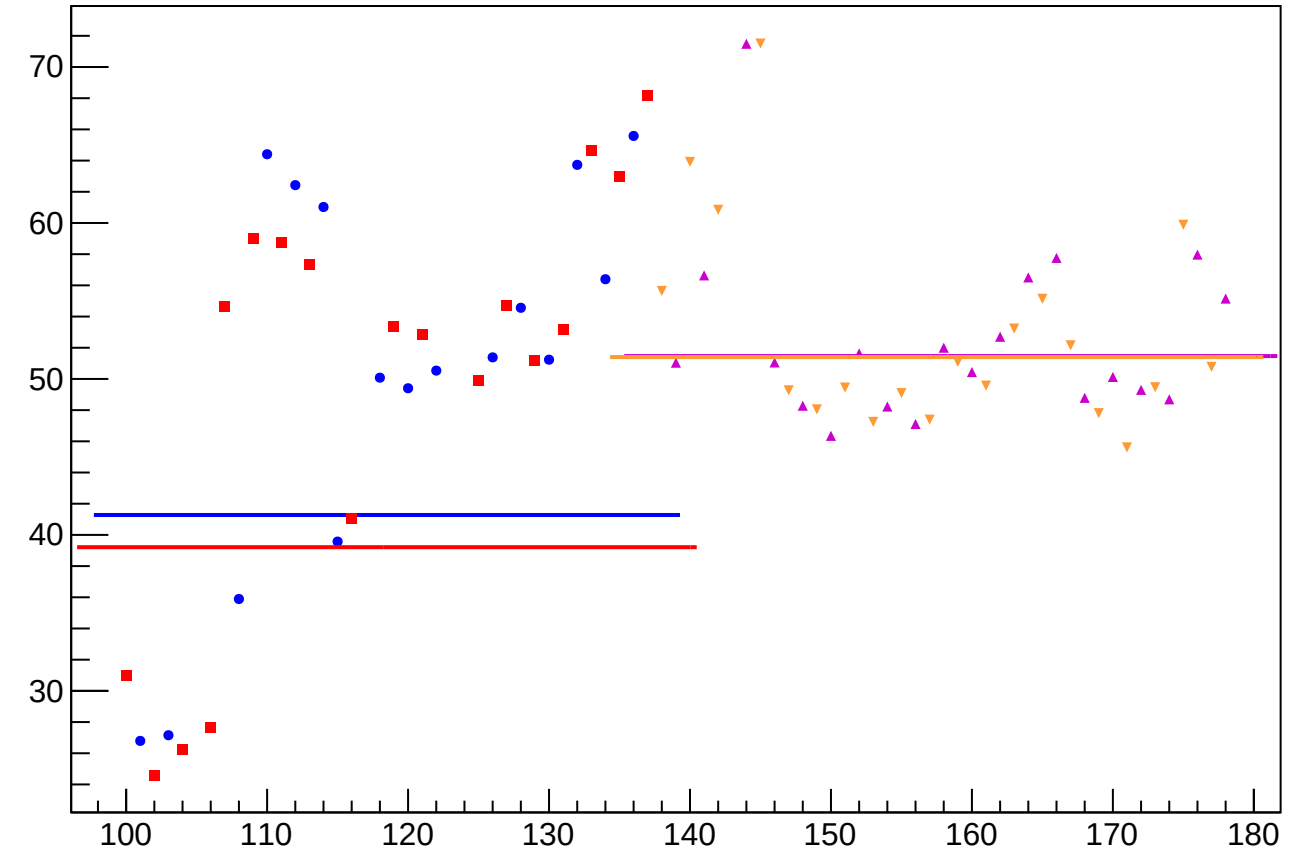
Right Out: -0.018+/-0.016 χ^2/NDF: 12.3/17

Left In: 0.031+/-0.013 χ^2/NDF:19.8/19

+ sign -0.003+/-0.010 χ^2/NDF: 35.3/35

All: 0.004+/-0.007 χ^2/NDF: 74.1/73

- sign 0.011+/-0.010 χ^2/NDF: 37.8/37



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

Left Out: 51.402+/-0.009 χ^2/NDF:336574.3/19

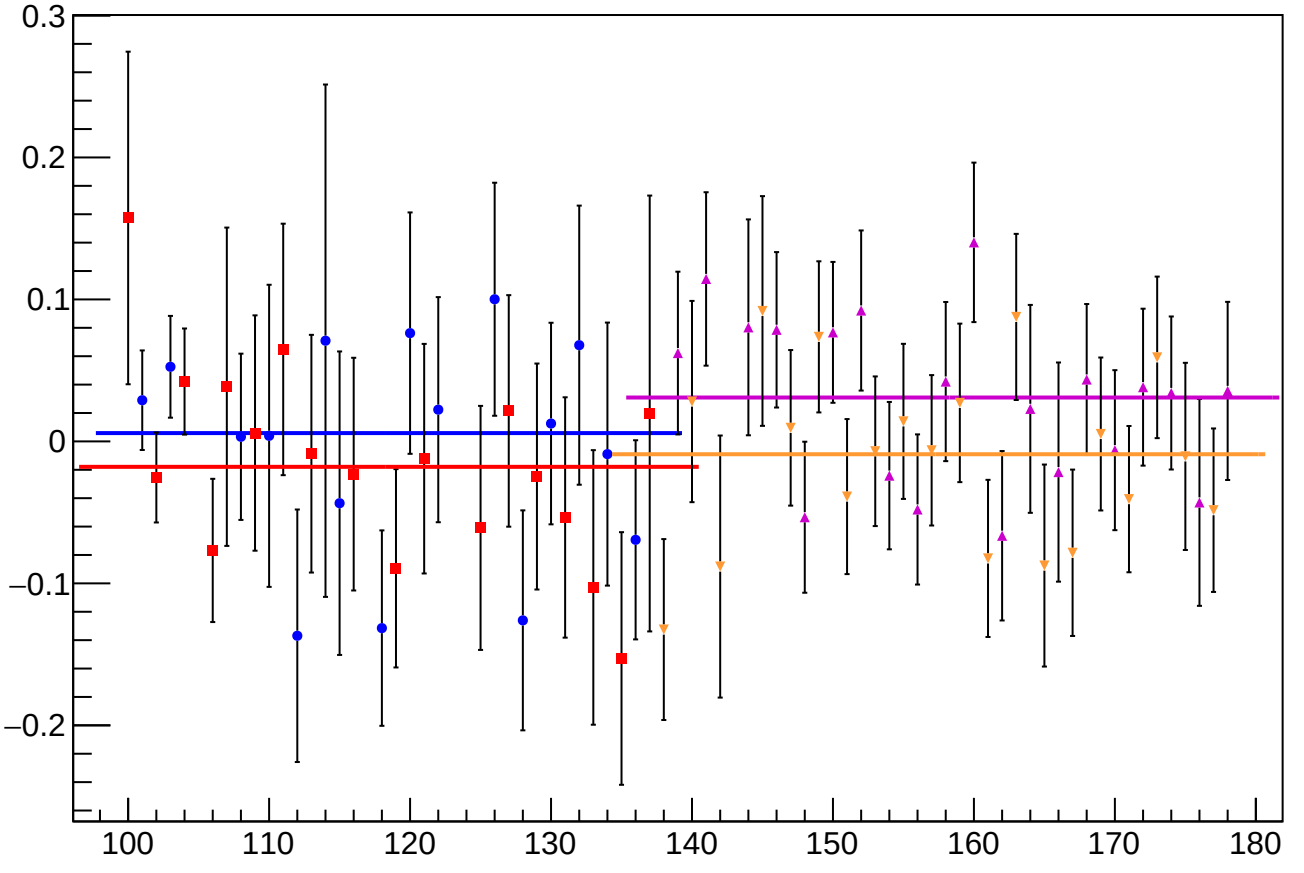
Right Out: 39.212+/-0.011 χ^2/NDF: 1819921.9/17

Left In: 51.467+/-0.009 χ^2/NDF:265015.7/19

+ sign 47.475+/-0.007 χ^2/NDF: 2301474.7/35

All: 46.976+/-0.005 χ^2/NDF: 5117494.7/73

- sign 46.504+/-0.007 χ^2/NDF: 2806868.3/37



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

Left Out: -0.009+/-0.013 χ^2/NDF:19.2/19

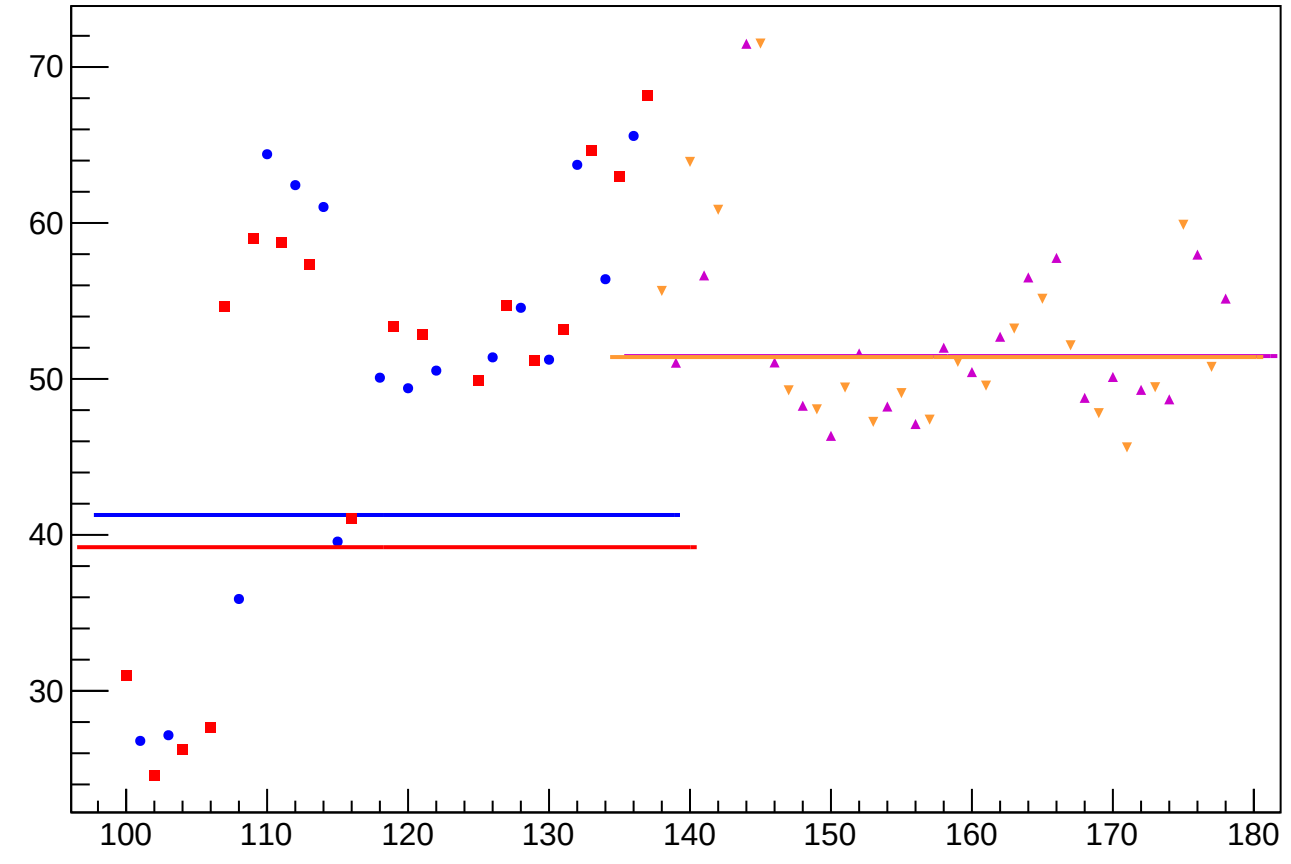
Right Out: -0.018+/-0.016 χ^2/NDF: 12.3/17

Left In: 0.031+/-0.013 χ^2/NDF:19.8/19

+ sign -0.003+/-0.010 χ^2/NDF: 35.3/35

All: 0.004+/-0.007 χ^2/NDF: 74.1/73

- sign 0.011+/-0.010 χ^2/NDF: 37.8/37



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

Left Out: 51.402+/-0.009 χ^2/NDF:336574.3/19

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

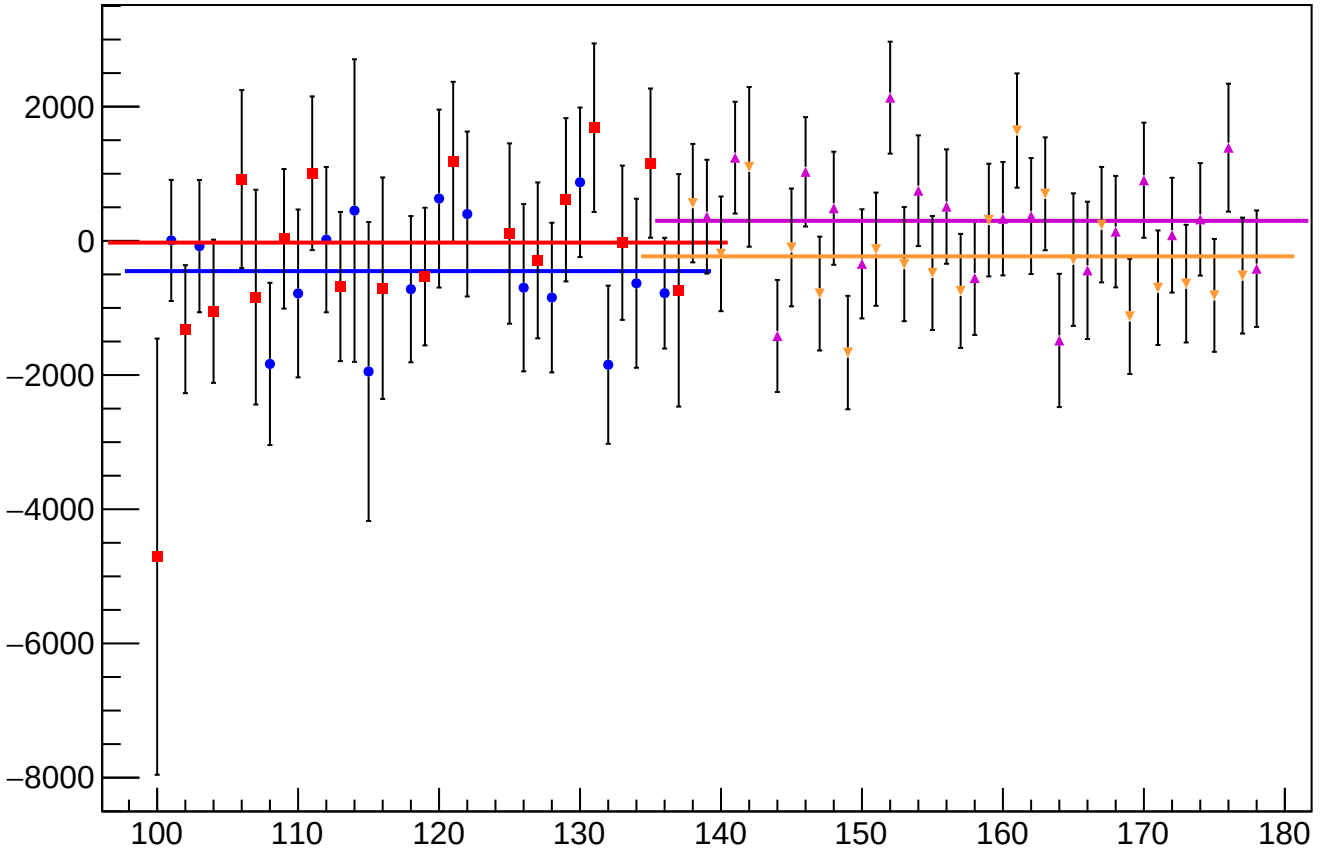
Left In: 51.467+/-0.009 χ^2/NDF:265015.7/19

+ sign 47.475+/-0.007 χ^2/NDF: 2301474.7/35

All: 46.976+/-0.005 χ^2/NDF: 5117494.7/73

- sign 46.504+/-0.007 χ^2/NDF: 2806868.3/37

reg_asym_us_dd_mean vs Slug



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

Left Out: -230.814+/-194.736 χ^2/NDF:14.9/19

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

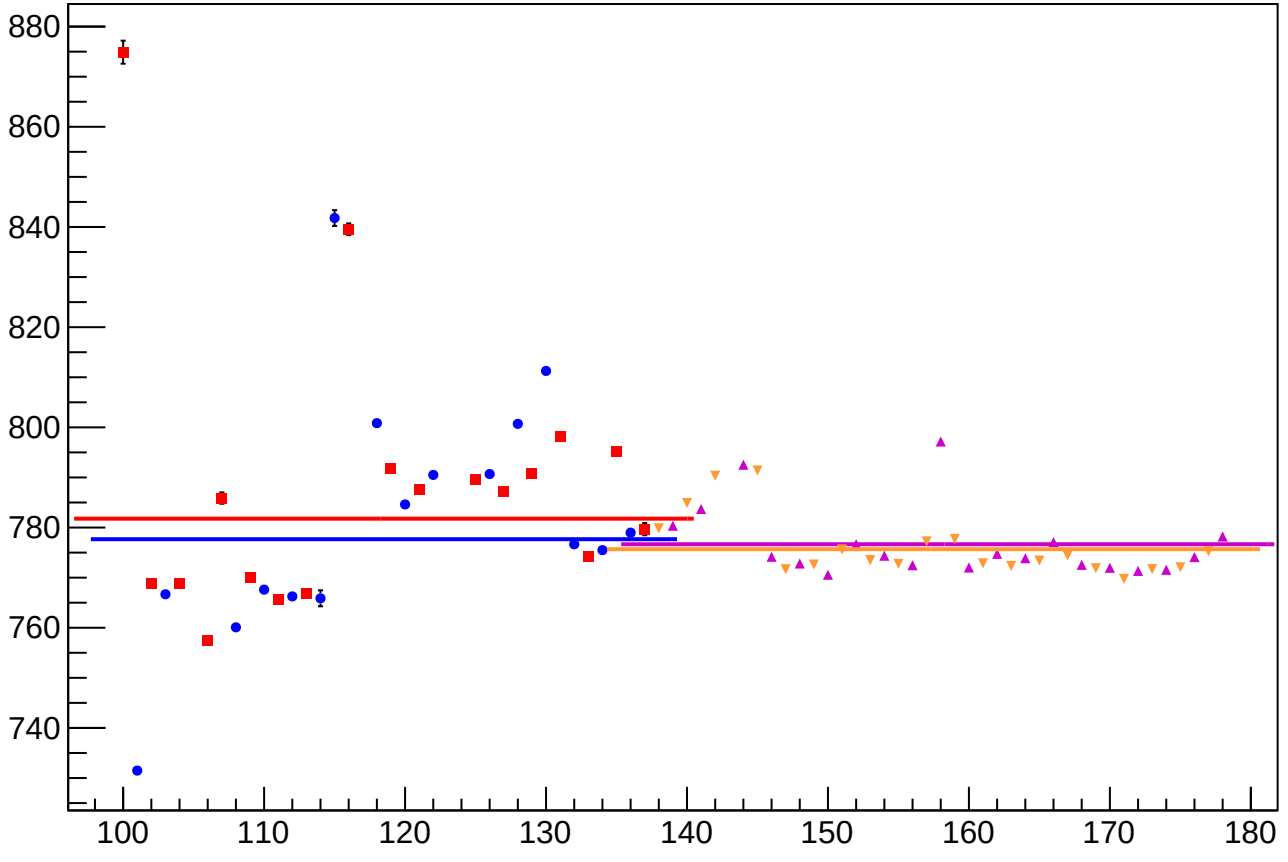
Left In: 298.051+/-192.106 χ^2/NDF:19.5/19

+ sign -299.571+/-161.486 χ^2/NDF: 22.2/35

All: -48.081+/-113.597 χ^2/NDF: 59.1/73

- sign 198.274+/-159.828 χ^2/NDF: 32.1/37

reg_asym_us_dd_rms vs Slug



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

Left Out: 775.678+/-0.138 χ^2/NDF:1630.4/19

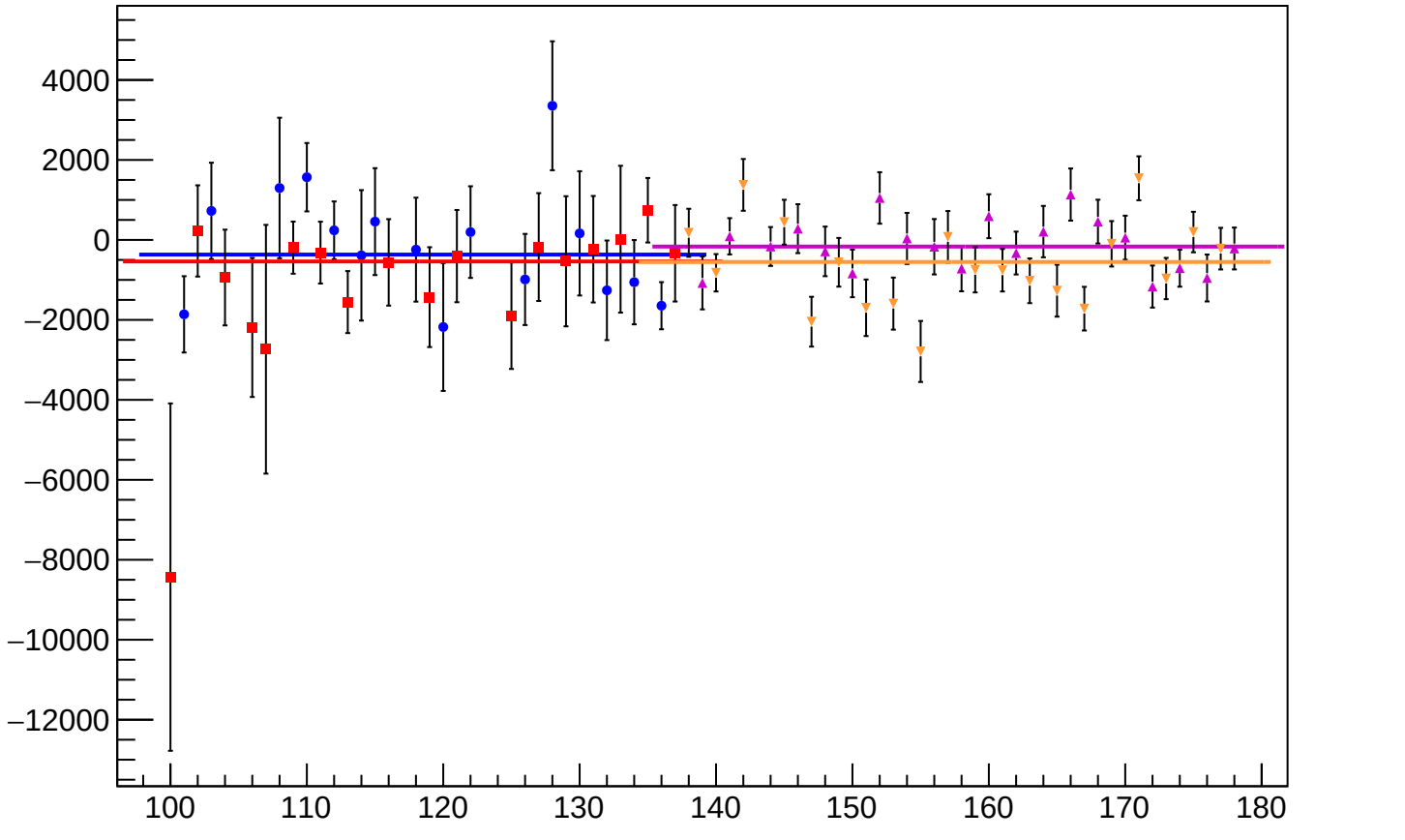
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 776.667+/-0.136 χ^2/NDF:2674.6/19

+ sign 776.302+/-0.114 χ^2/NDF: 13751.4/35

All: 777.281+/-0.080 χ^2/NDF: 24633.4/73

- sign 778.240+/-0.113 χ^2/NDF: 10736.5/37



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

Left Out: -550.839+/-129.091 χ^2/NDF:59.5/19

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

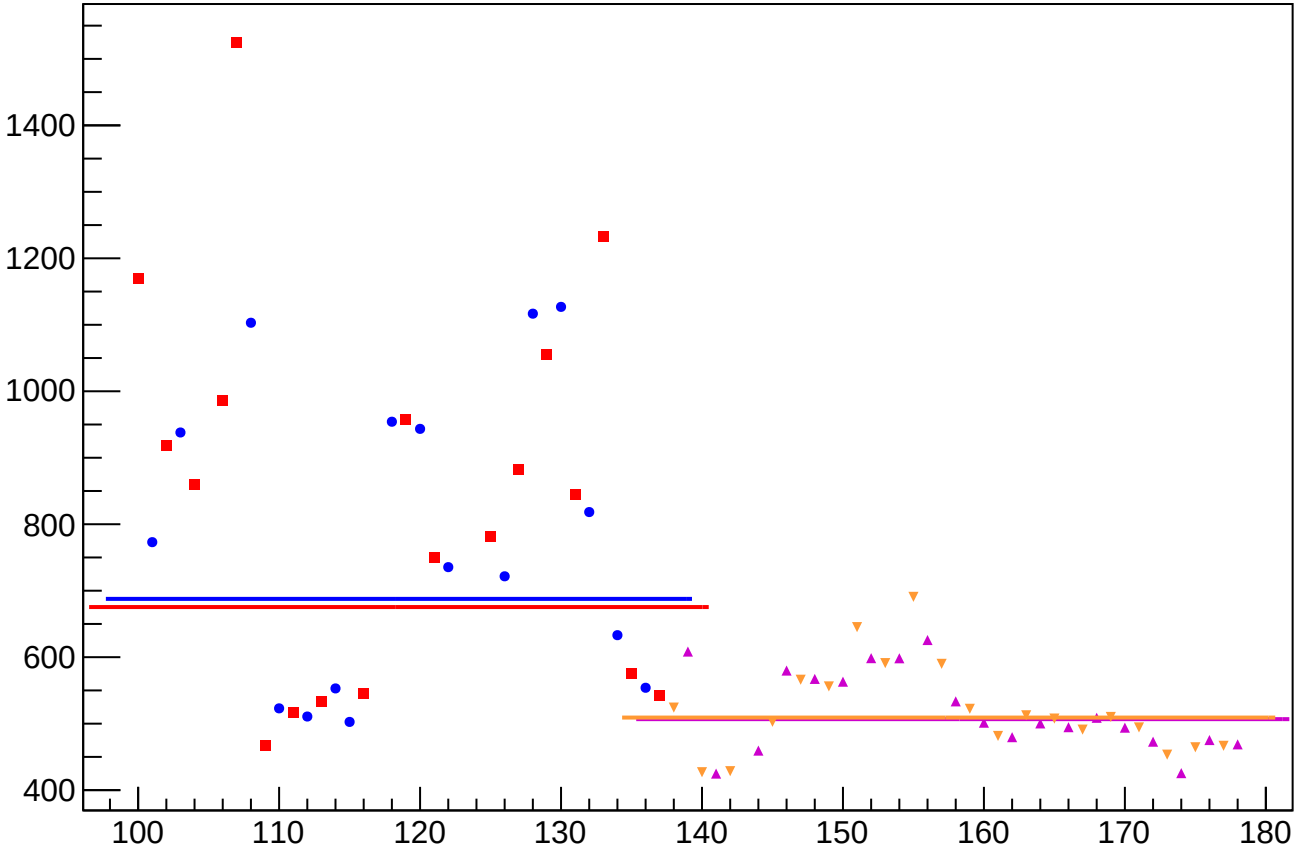
Left In: -166.219+/-126.447 χ^2/NDF:23.2/19

\+ sign -515.945+/-116.195 χ^2/NDF: 83.2/35

All: -373.362+/-81.358 χ^2/NDF: 122.6/73

\- sign -236.230+/-113.952 χ^2/NDF: 36.5/37

asym_us_dd_reg_correction_rms vs Slug



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

Left Out: 509.168+/-0.091 χ^2/NDF:435814.6/19

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

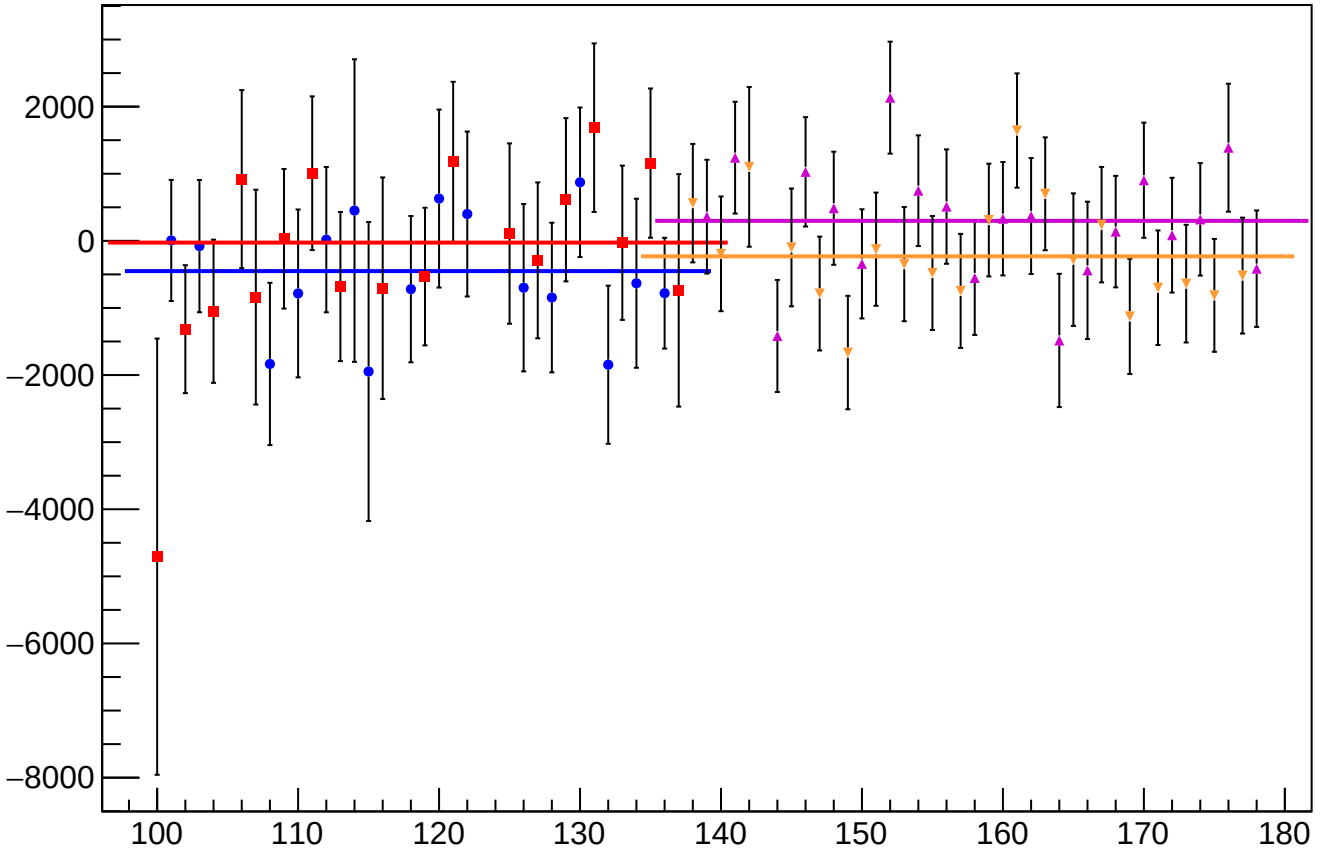
Left In: 506.790+/-0.089 χ^2/NDF:435305.0/19

+ sign 543.060+/-0.082 χ^2/NDF: 2193972.7/35

All: 540.719+/-0.058 χ^2/NDF: 4612019.6/73

- sign 538.467+/-0.081 χ^2/NDF: 2416454.5/37

cor_asym_us_dd_mean vs Slug



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

Left Out: -230.814+/-194.736 χ^2/NDF:14.9/19

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

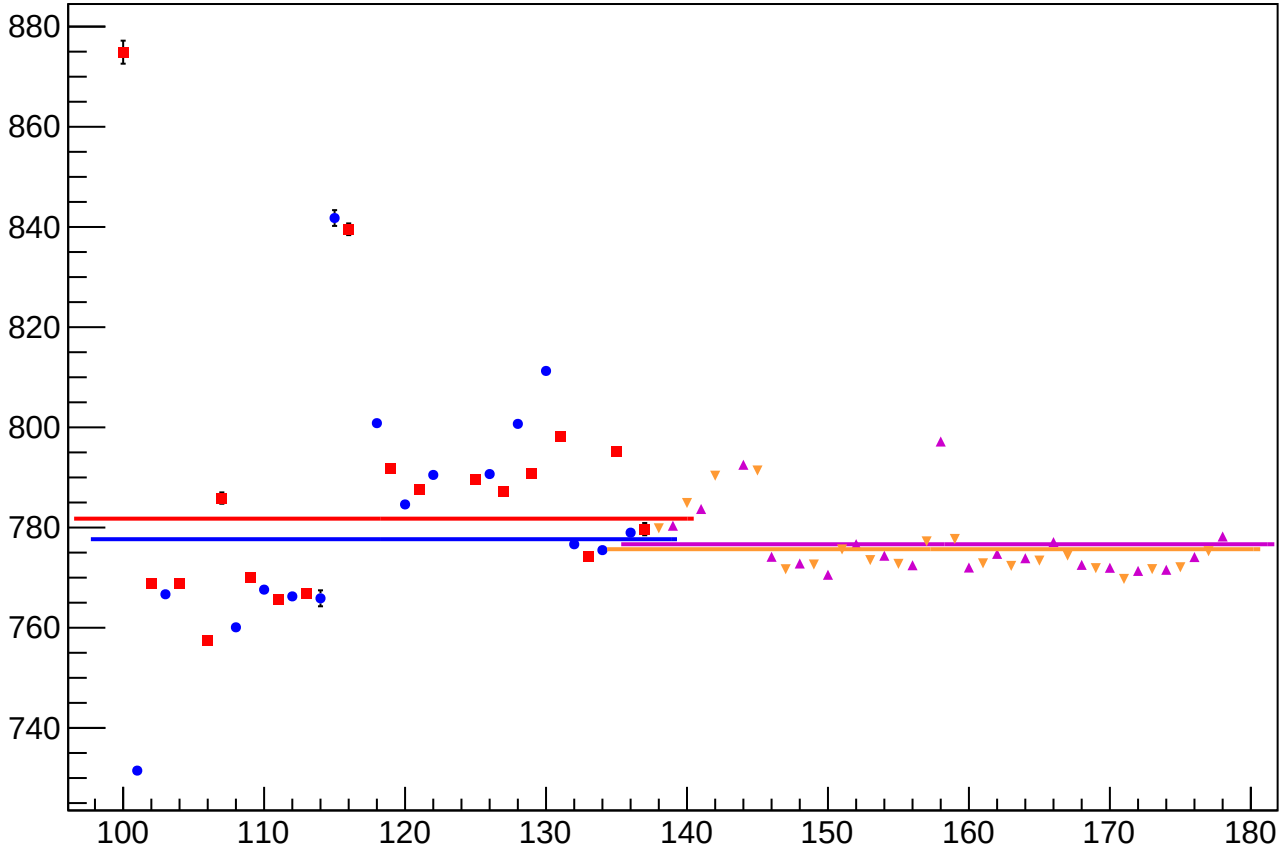
Left In: 298.051+/-192.106 χ^2/NDF:19.5/19

+ sign -299.571+/-161.486 χ^2/NDF: 22.2/35

All: -48.081+/-113.597 χ^2/NDF: 59.1/73

- sign 198.274+/-159.828 χ^2/NDF: 32.1/37

cor_asym_us_dd_rms vs Slug



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

Left Out: 775.678+/-0.138 χ^2/NDF:1630.4/19

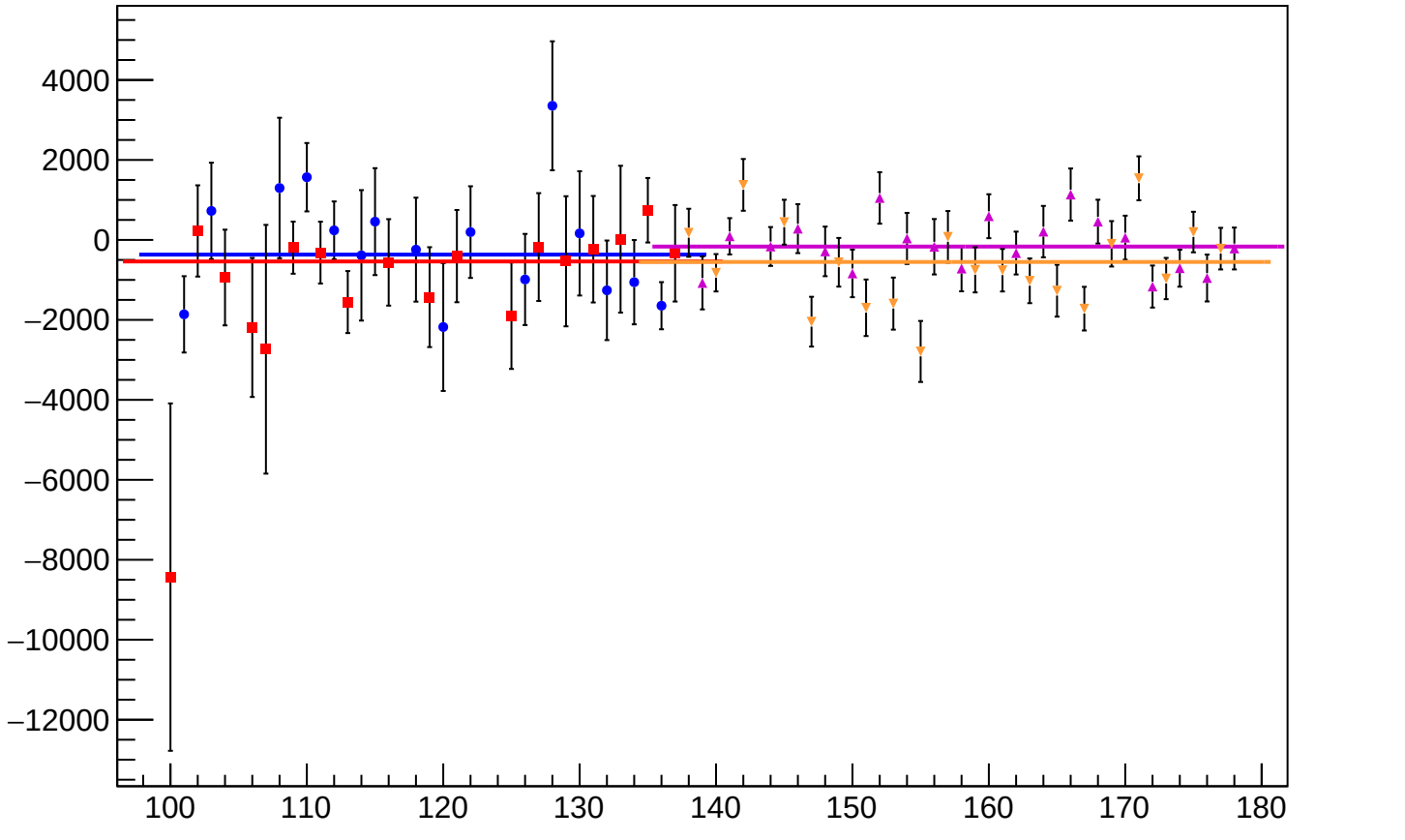
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 776.667+/-0.136 χ^2/NDF:2674.6/19

\+ sign 776.302+/-0.114 χ^2/NDF: 13751.4/35

All: 777.281+/-0.080 χ^2/NDF: 24633.4/73

\- sign 778.240+/-0.113 χ^2/NDF: 10736.5/37



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

Left Out: -550.839+/-129.091 χ^2/NDF:59.5/19

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

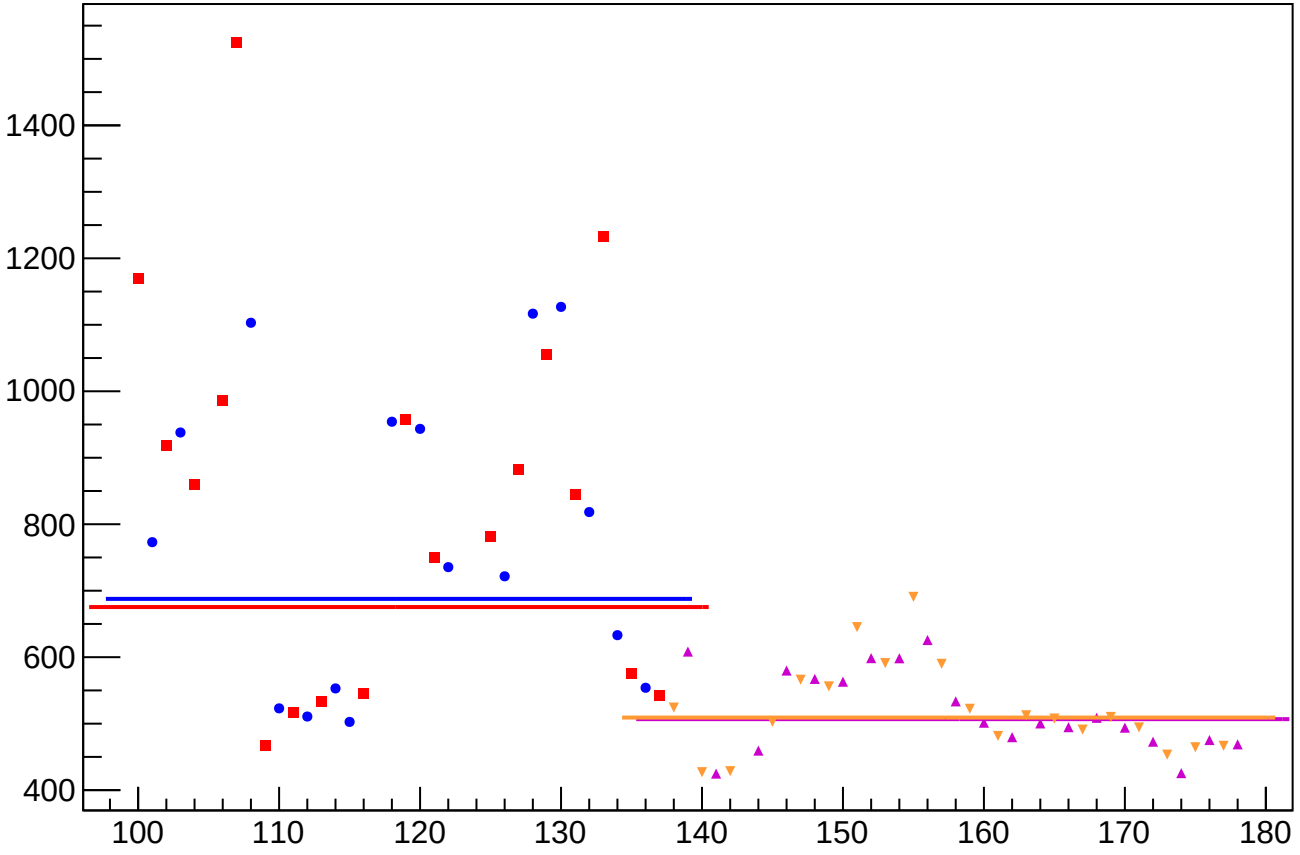
Left In: -166.219+/-126.447 χ^2/NDF:23.2/19

\+ sign -515.945+/-116.195 χ^2/NDF: 83.2/35

All: -373.362+/-81.358 χ^2/NDF: 122.6/73

\- sign -236.230+/-113.952 χ^2/NDF: 36.5/37

asym_us_dd_cor_correction_rms vs Slug



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

Left Out: 509.168+/-0.091 χ^2/NDF:435814.6/19

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

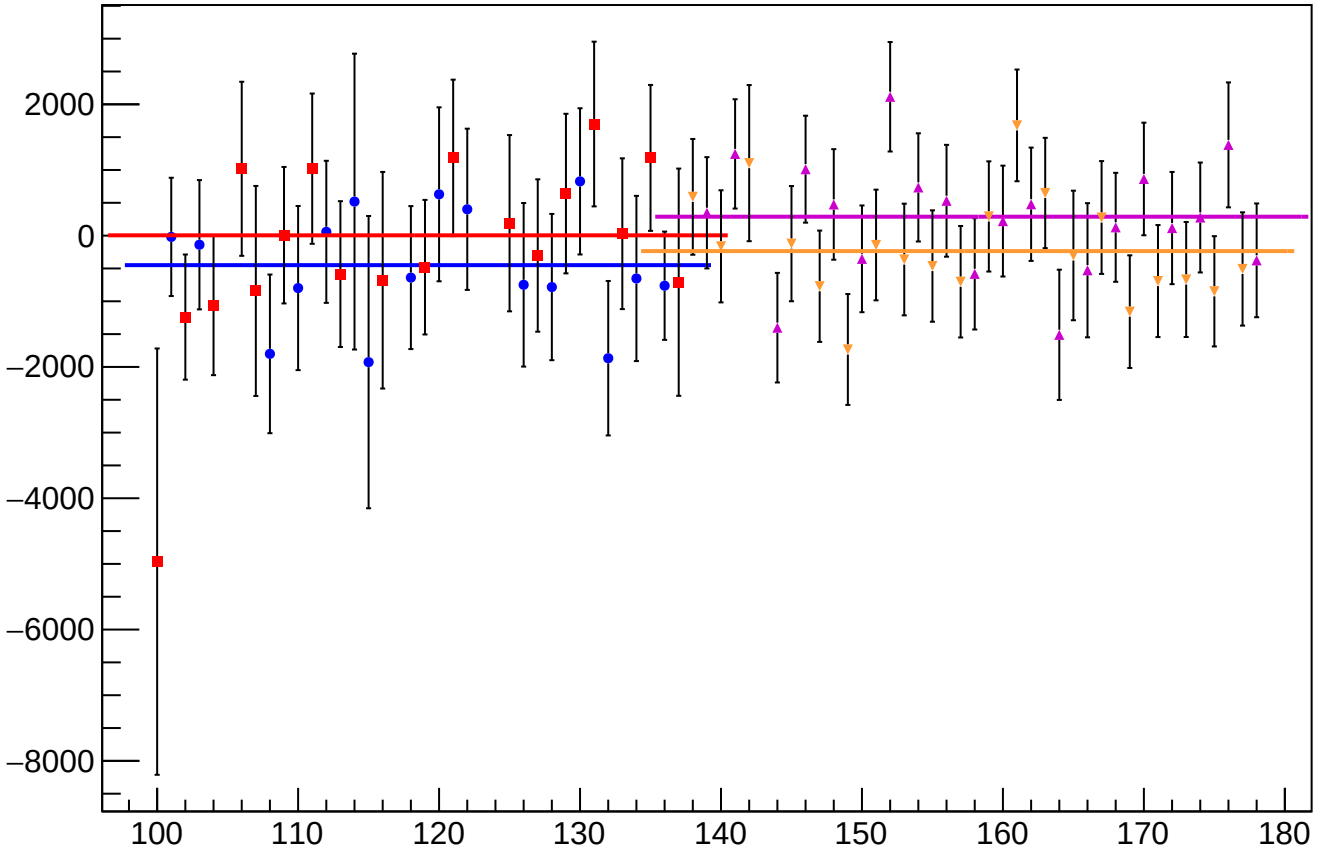
Left In: 506.790+/-0.089 χ^2/NDF:435305.0/19

+ sign 543.060+/-0.082 χ^2/NDF: 2193972.7/35

All: 540.719+/-0.058 χ^2/NDF: 4612019.6/73

- sign 538.467+/-0.081 χ^2/NDF: 2416454.5/37

overload_cor_asym_us_dd_mean vs Slug



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

Left Out: -235.650+/-194.545 χ^2/NDF:15.4/19

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

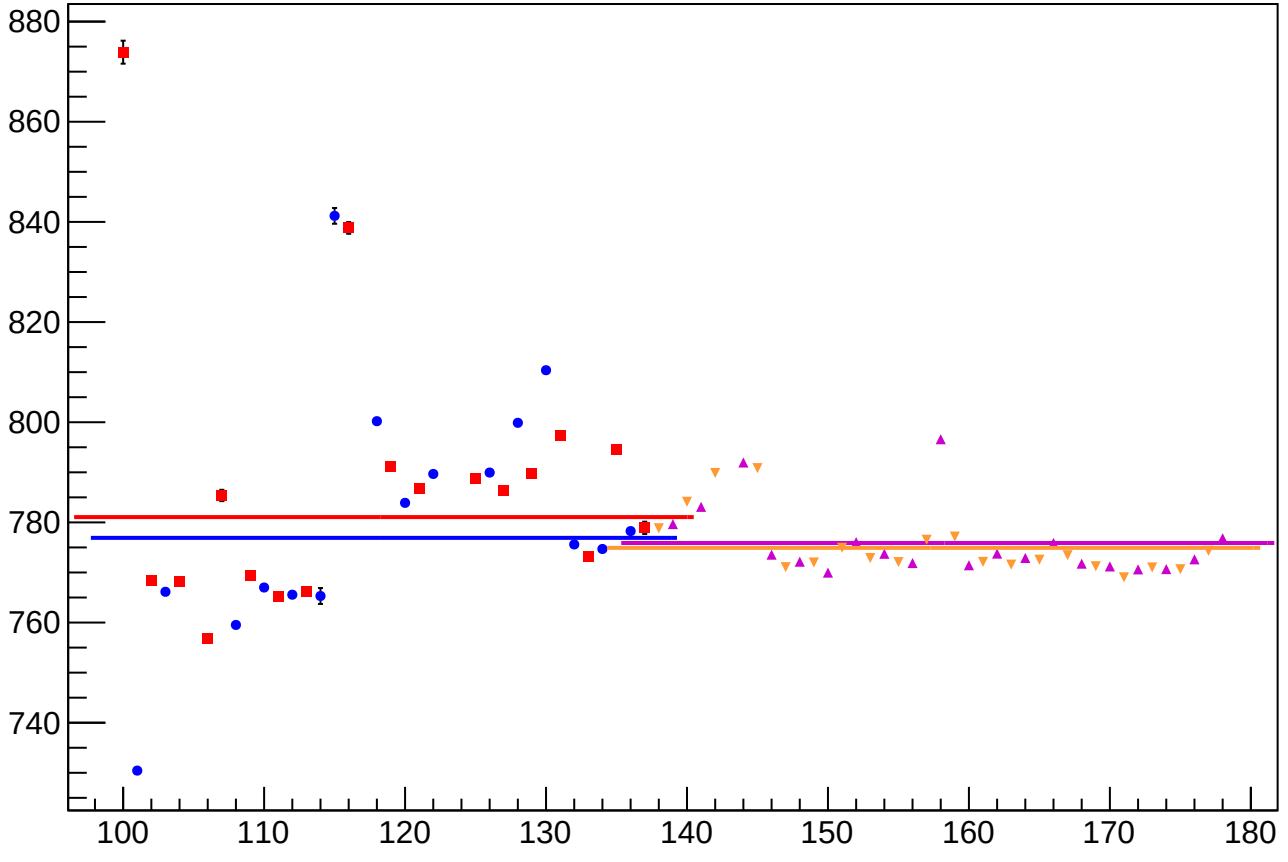
Left In: 288.240+/-191.914 χ^2/NDF:19.5/19

+ sign -302.421+/-161.328 χ^2/NDF: 22.5/35

All: -48.136+/-113.486 χ^2/NDF: 59.5/73

- sign 200.957+/-159.672 χ^2/NDF: 32.1/37

overload_cor_asym_us_dd_rms vs Slug



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

Left Out: 774.918+/-0.138 χ^2/NDF:1661.9/19

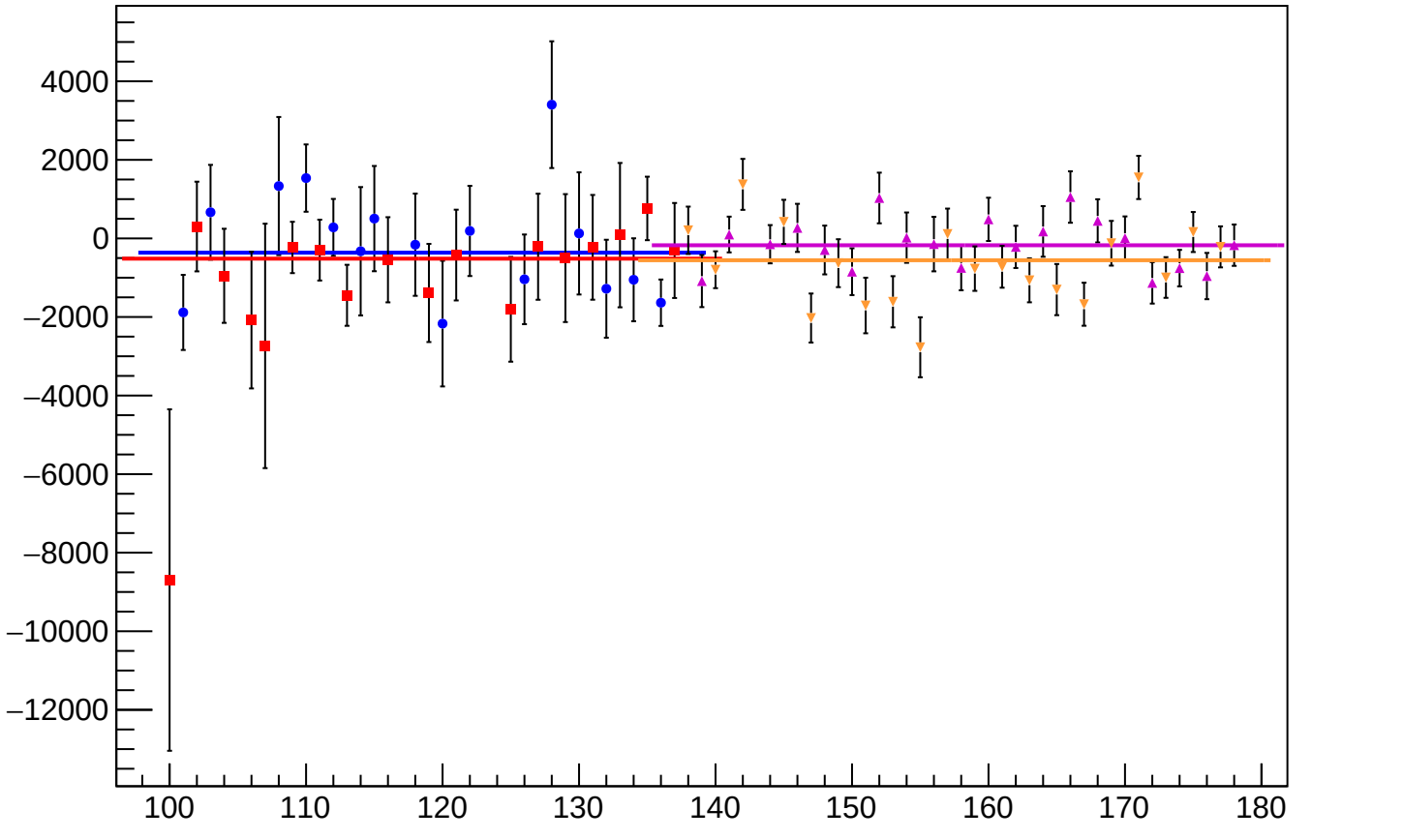
Right Out: 781.061+/-0.204 χ^2/NDF: 7585.8/17

Left In: 775.888+/-0.136 χ^2/NDF:2719.6/19

+ sign 775.541+/-0.114 χ^2/NDF: 13851.1/35

All: 776.520+/-0.080 χ^2/NDF: 24749.7/73

- sign 777.480+/-0.113 χ^2/NDF: 10752.7/37



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

Left Out: -555.613+/-129.408 χ^2/NDF:59.0/19

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

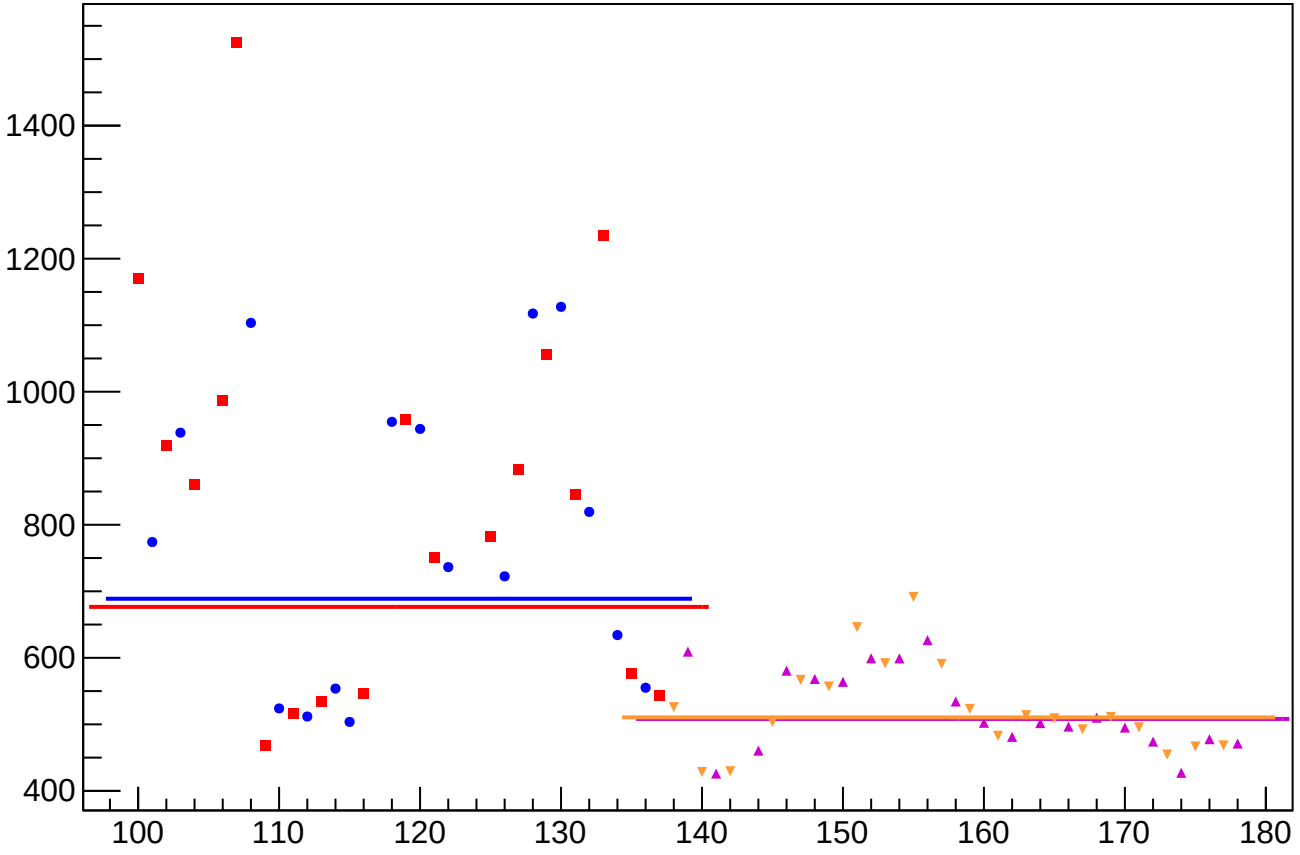
Left In: -174.275+/-126.773 χ^2/NDF:22.0/19

\+ sign -518.956+/-116.458 χ^2/NDF: 82.8/35

All: -375.986+/-81.547 χ^2/NDF: 120.5/73

\- sign -238.452+/-114.223 χ^2/NDF: 34.7/37

asym_us_dd_overload_cor_correction_rms vs Slug



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

Left Out: 510.469+/-0.092 χ^2/NDF:431101.1/19

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

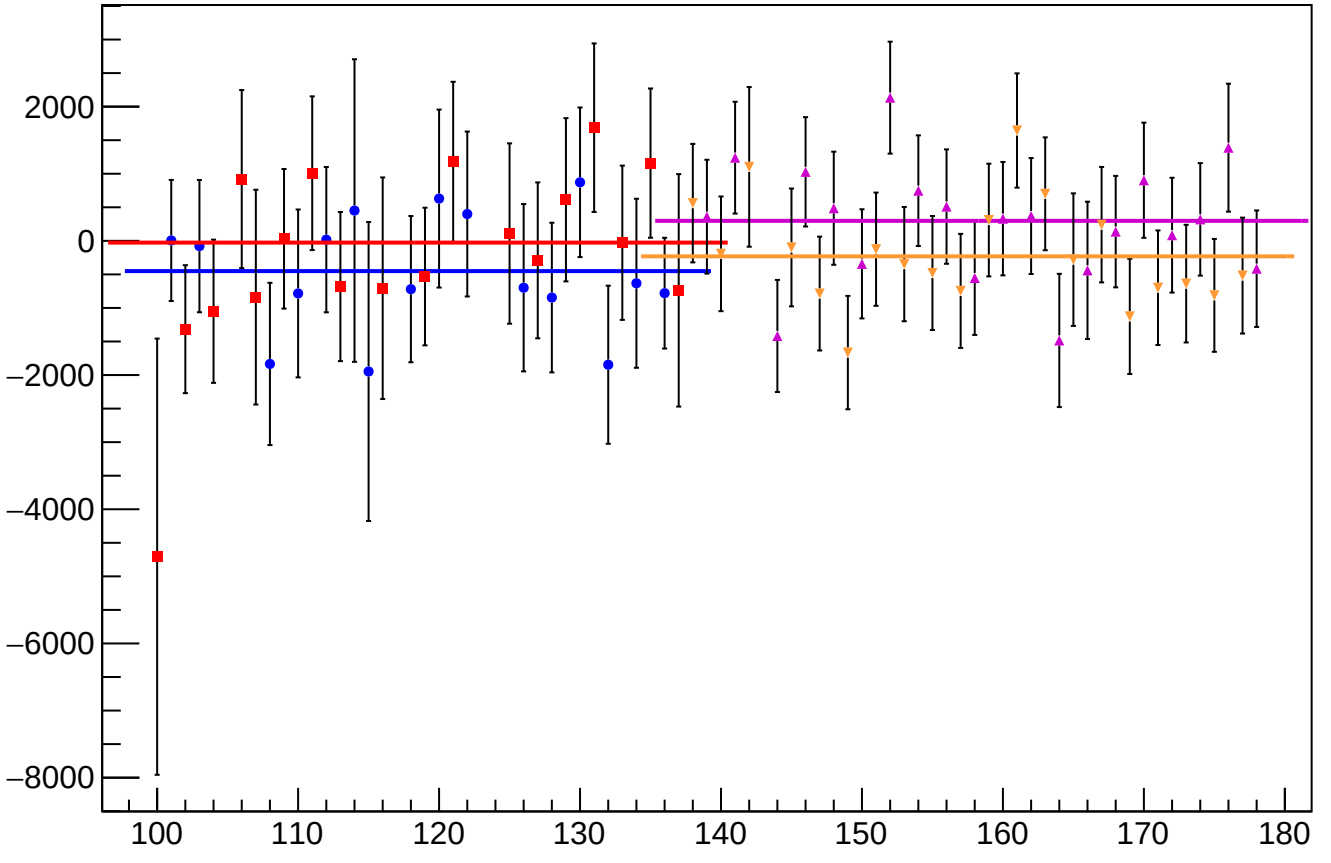
Left In: 508.147+/-0.090 χ^2/NDF:429741.5/19

+ sign 544.379+/-0.082 χ^2/NDF: 2181559.1/35

All: 542.067+/-0.058 χ^2/NDF: 4585224.2/73

- sign 539.843+/-0.081 χ^2/NDF: 2402118.3/37

eigen_cor_asym_us_dd_mean vs Slug



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

Left Out: -230.814+/-194.736 χ^2/NDF:14.9/19

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

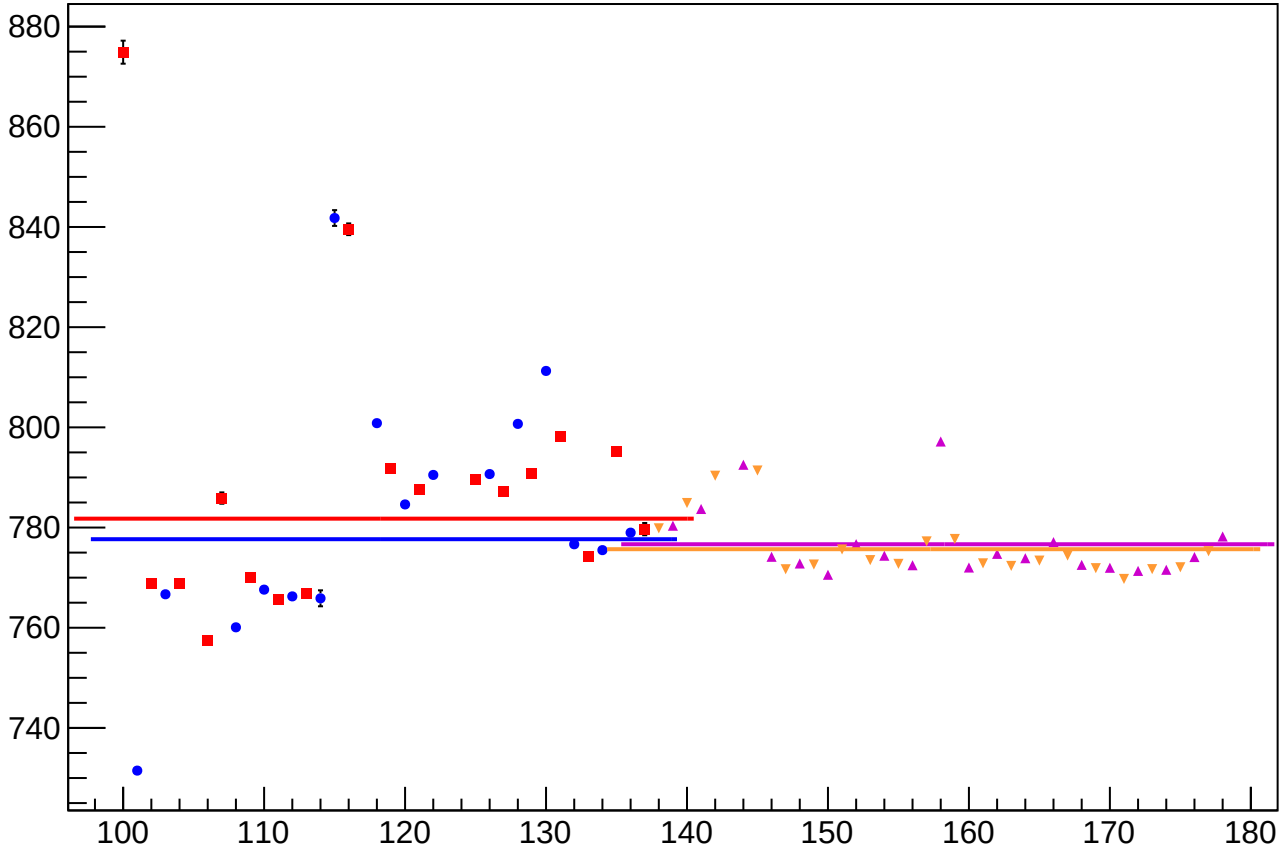
Left In: 298.051+/-192.106 χ^2/NDF:19.5/19

+ sign -299.571+/-161.486 χ^2/NDF: 22.2/35

All: -48.081+/-113.597 χ^2/NDF: 59.1/73

- sign 198.274+/-159.828 χ^2/NDF: 32.1/37

eigen_cor_asym_us_dd_rms vs Slug



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

Left Out: 775.678+/-0.138 χ^2/NDF:1630.4/19

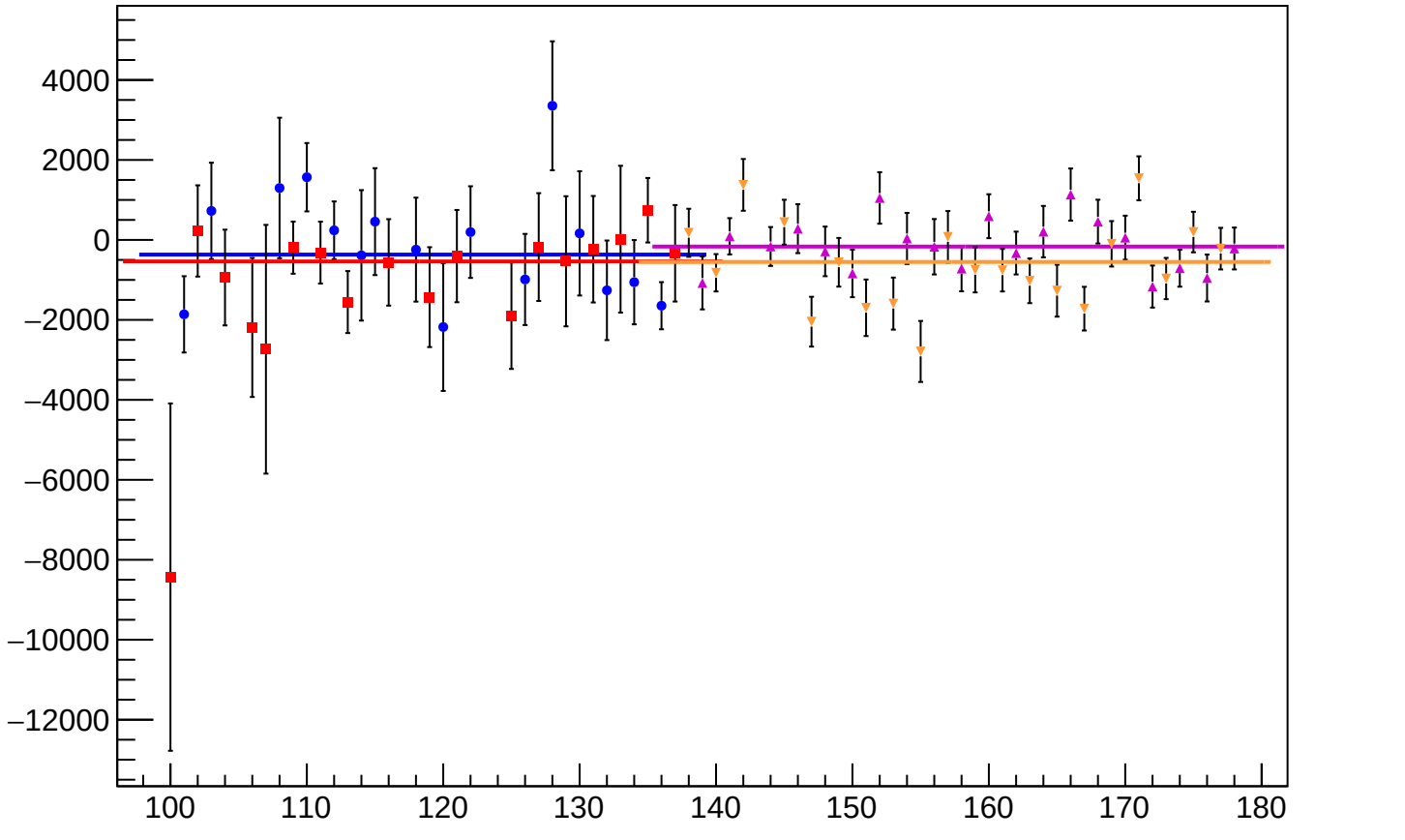
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 776.667+/-0.136 χ^2/NDF:2674.6/19

+ sign 776.302+/-0.114 χ^2/NDF: 13751.4/35

All: 777.281+/-0.080 χ^2/NDF: 24633.4/73

- sign 778.240+/-0.113 χ^2/NDF: 10736.5/37



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

Left Out: -550.839+/-129.091 χ^2/NDF:59.5/19

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

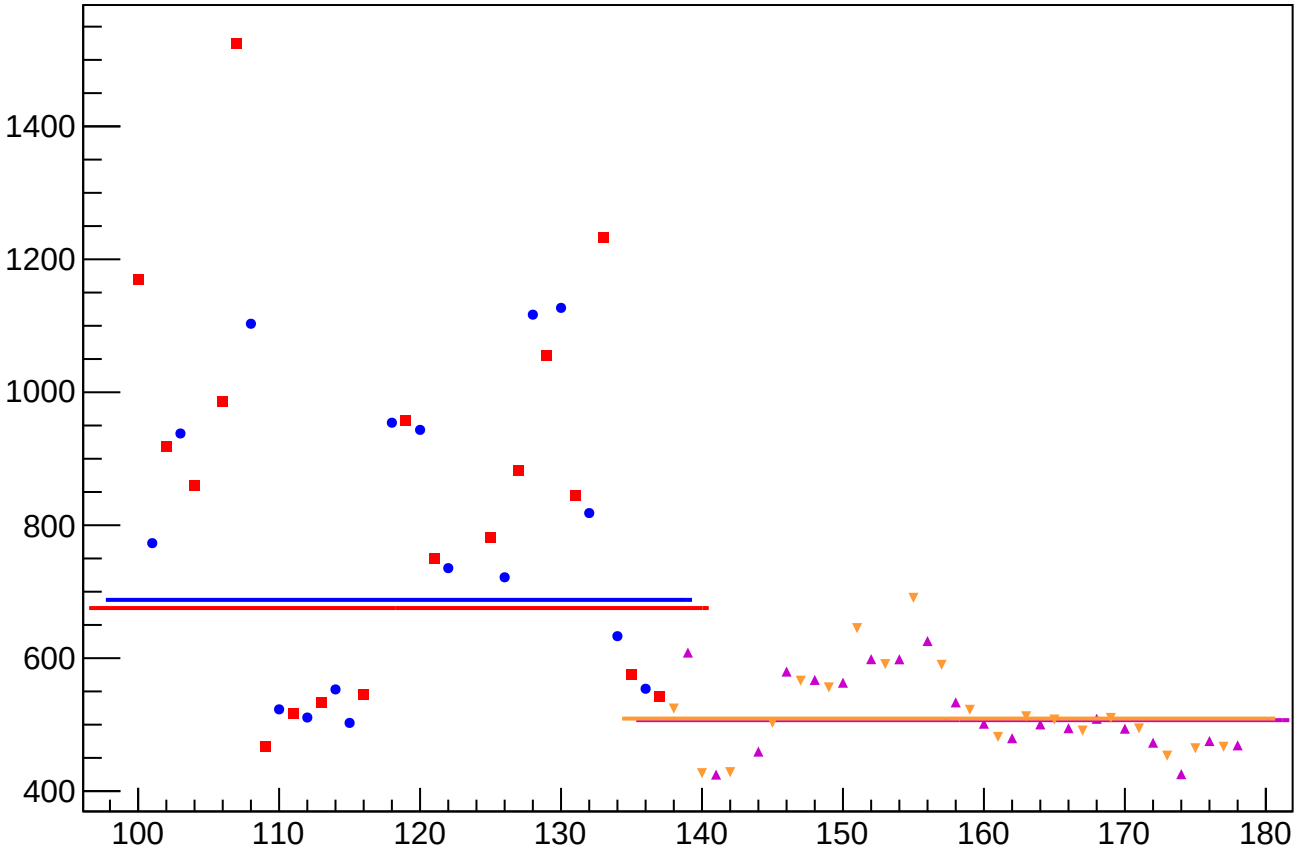
Left In: -166.219+/-126.447 χ^2/NDF:23.2/19

+ sign -515.945+/-116.195 χ^2/NDF: 83.2/35

All: -373.362+/-81.358 χ^2/NDF: 122.6/73

- sign -236.230+/-113.952 χ^2/NDF: 36.5/37

asym_us_dd_eigen_cor_correction_rms vs Slug



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

Left Out: 509.168+/-0.091 χ^2/NDF:435814.6/19

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

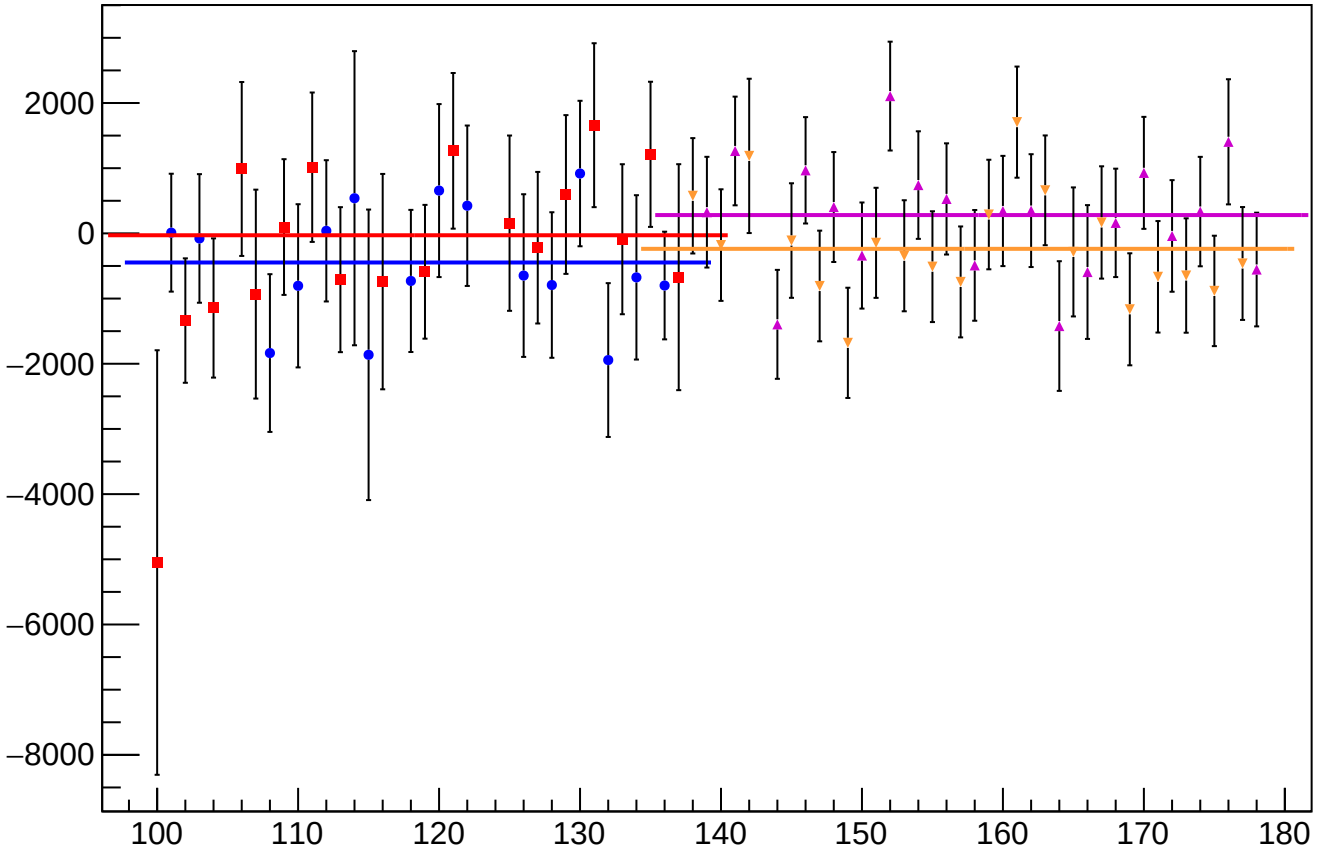
Left In: 506.790+/-0.089 χ^2/NDF:435305.0/19

+ sign 543.060+/-0.082 χ^2/NDF: 2193972.7/35

All: 540.719+/-0.058 χ^2/NDF: 4612019.6/73

- sign 538.467+/-0.081 χ^2/NDF: 2416454.5/37

dit_asym_us_dd_mean vs Slug



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

Left Out: -237.058+/-194.982 χ^2/NDF:15.4/19

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

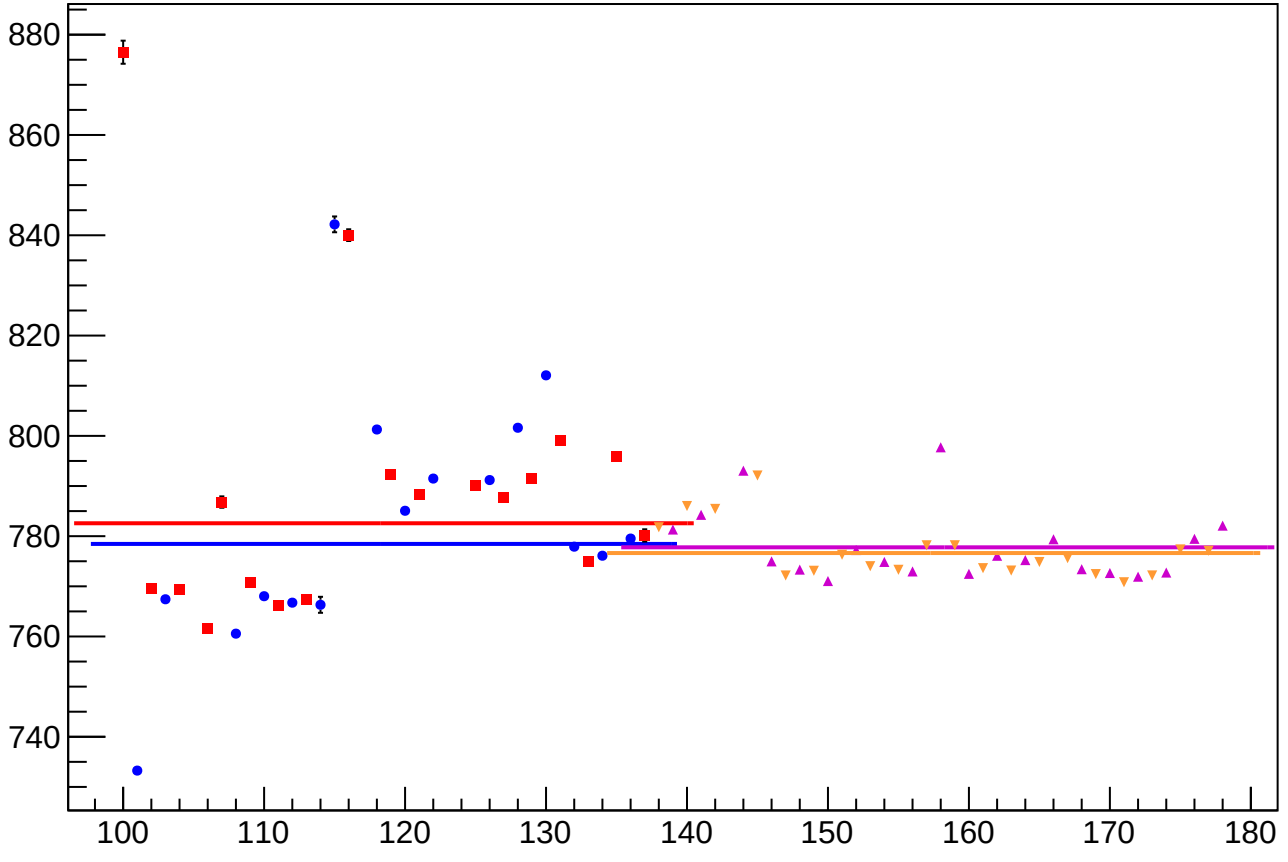
Left In: 280.919+/-192.382 χ^2/NDF:19.4/19

+ sign -302.548+/-161.676 χ^2/NDF: 23.1/35

All: -56.021+/-113.738 χ^2/NDF: 60.5/73

- sign 185.533+/-160.037 χ^2/NDF: 32.8/37

dit_asym_us_dd_rms vs Slug



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

Left Out: 776.637+/-0.138 χ^2/NDF:1454.8/19

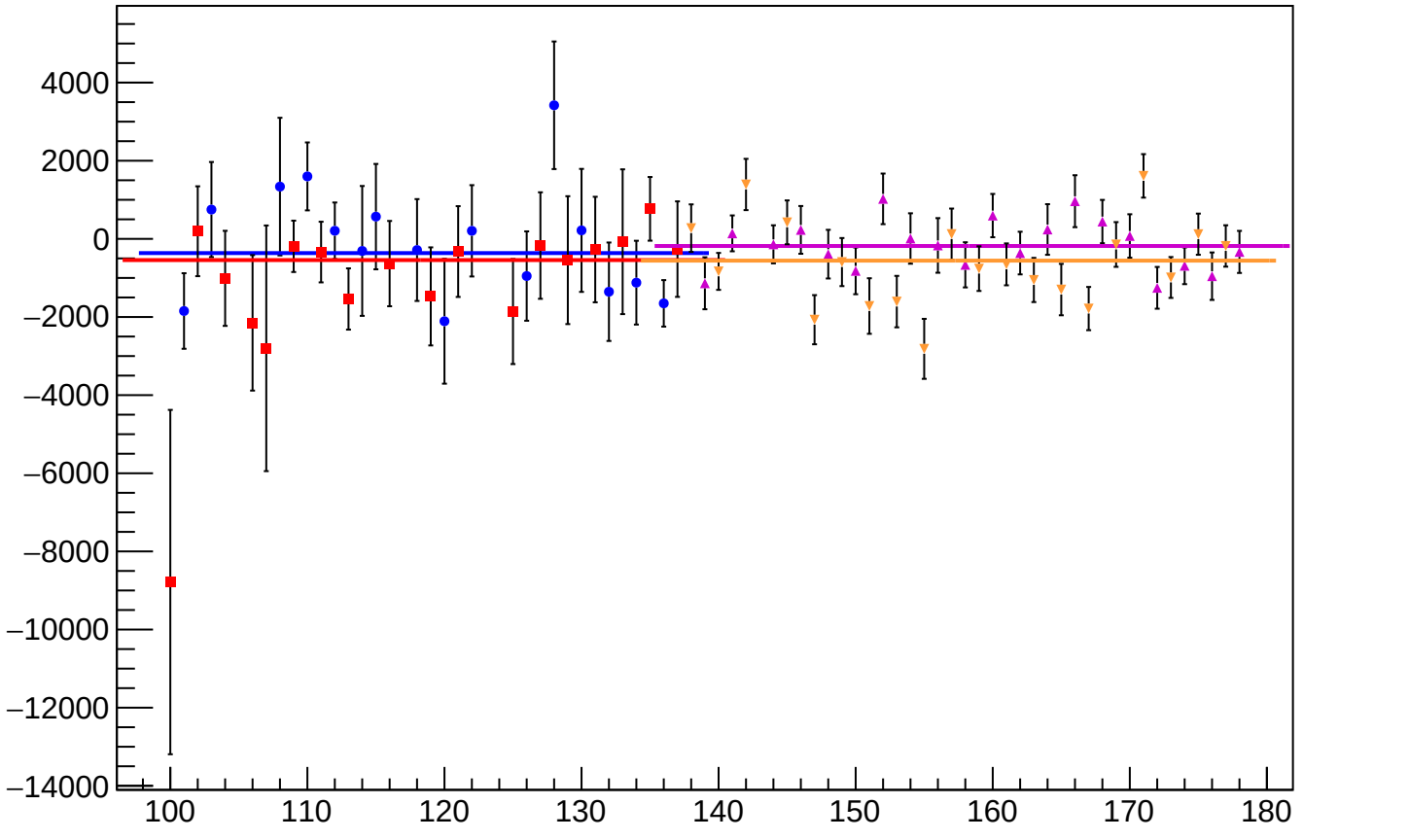
Right Out: 782.575+/-0.204 χ^2/NDF: 7481.4/17

Left In: 777.779+/-0.136 χ^2/NDF:2682.9/19

+ sign 777.205+/-0.114 χ^2/NDF: 13304.3/35

All: 778.241+/-0.080 χ^2/NDF: 24014.1/73

- sign 779.256+/-0.113 χ^2/NDF: 10547.3/37



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

Left Out: -556.870+/-130.753 χ^2/NDF:60.4/19

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

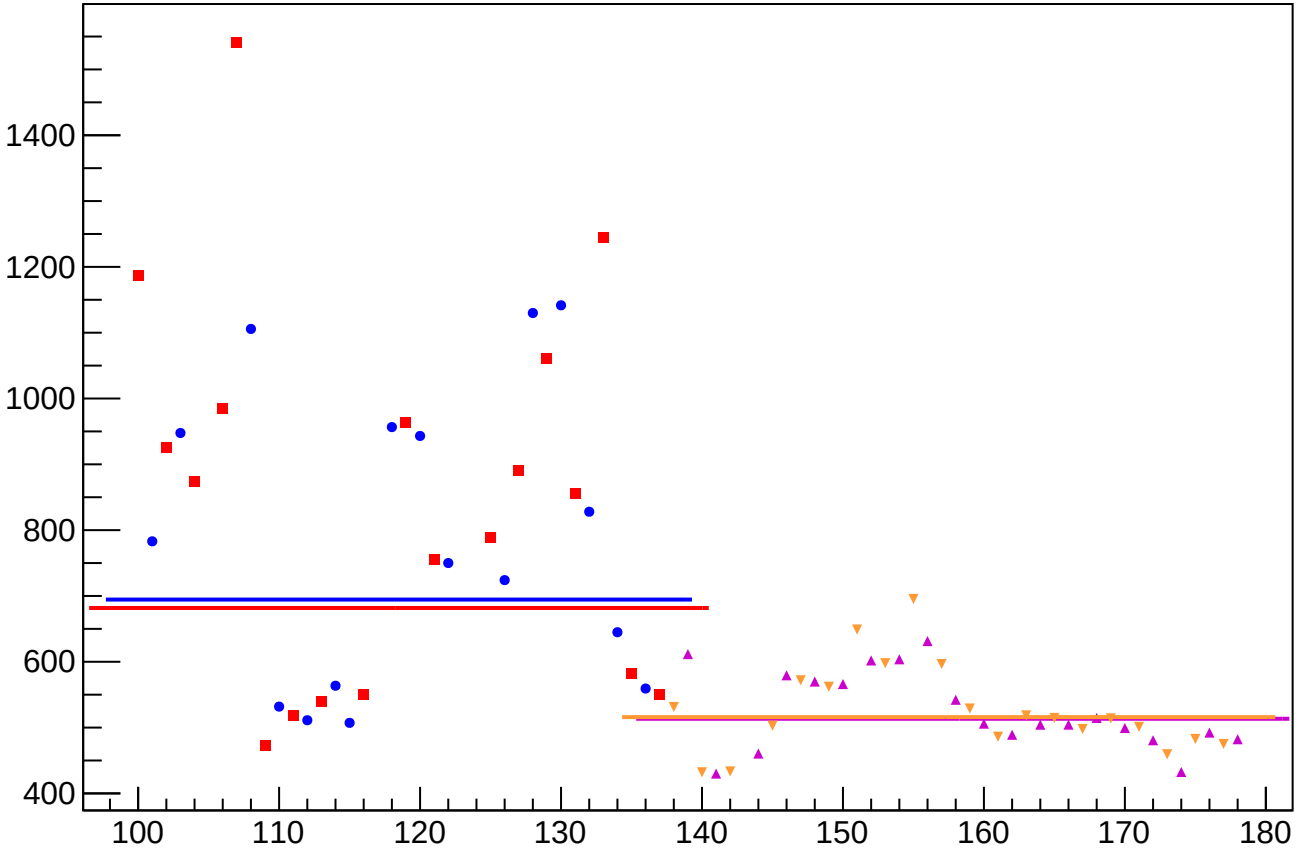
Left In: -182.377+/-128.023 χ^2/NDF:22.4/19

+ sign -520.076+/-117.623 χ^2/NDF: 84.2/35

All: -382.588+/-82.338 χ^2/NDF: 122.5/73

- sign -250.480+/-115.298 χ^2/NDF: 35.6/37

asym_us_dd_dit_correction_rms vs Slug



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

Left Out: 515.920+/-0.092 χ^2/NDF:418562.8/19

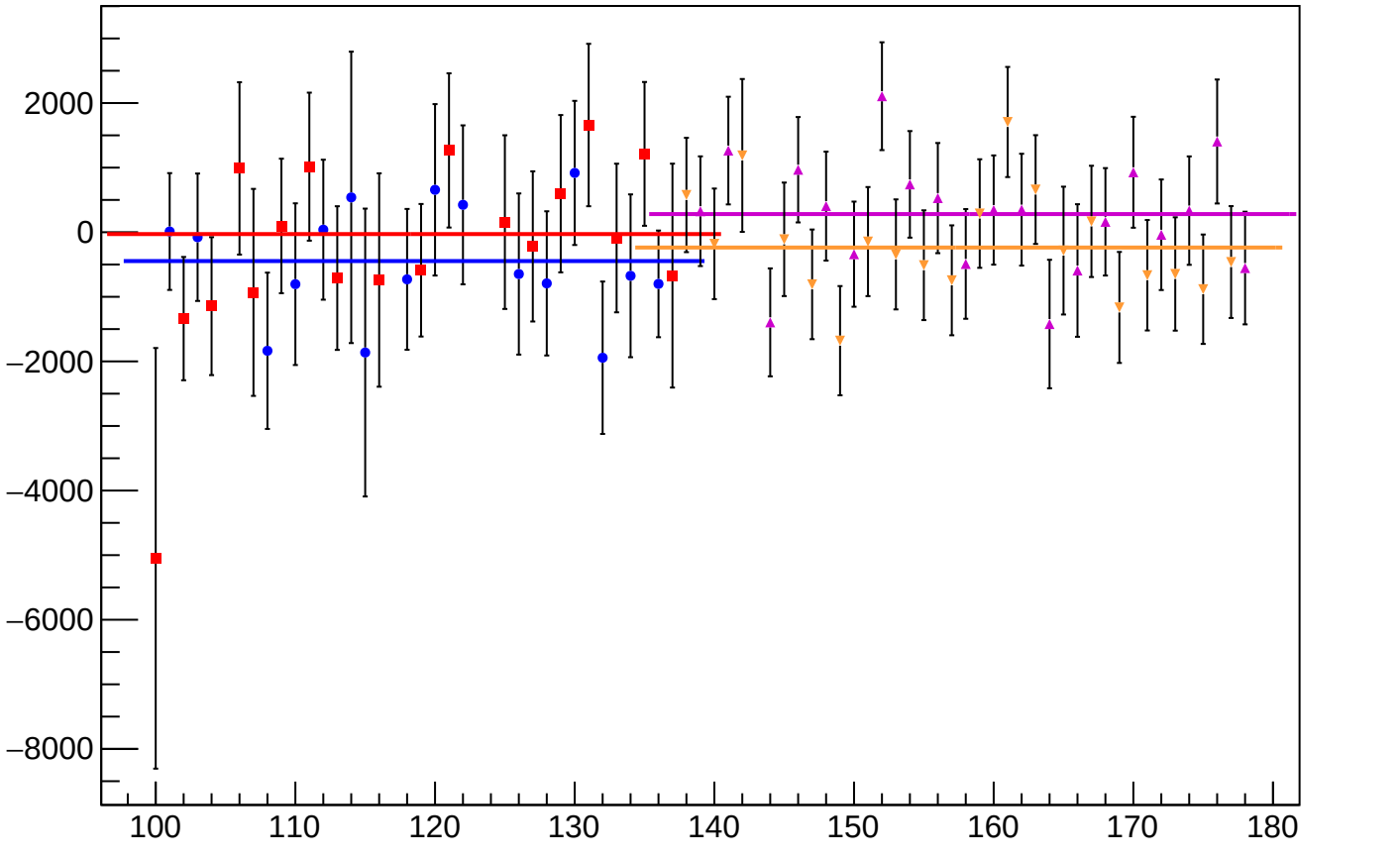
Right Out: 681.744+/-0.188 χ^2/NDF: 1311322.6/17

Left In: 513.392+/-0.091 χ^2/NDF:409090.5/19

\+ sign 549.988+/-0.083 χ^2/NDF: 2160261.1/35

All: 547.544+/-0.058 χ^2/NDF: 4535719.1/73

\- sign 545.195+/-0.082 χ^2/NDF: 2373764.8/37



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

Left Out: -237.060+/-194.982 χ^2/NDF:15.4/19

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

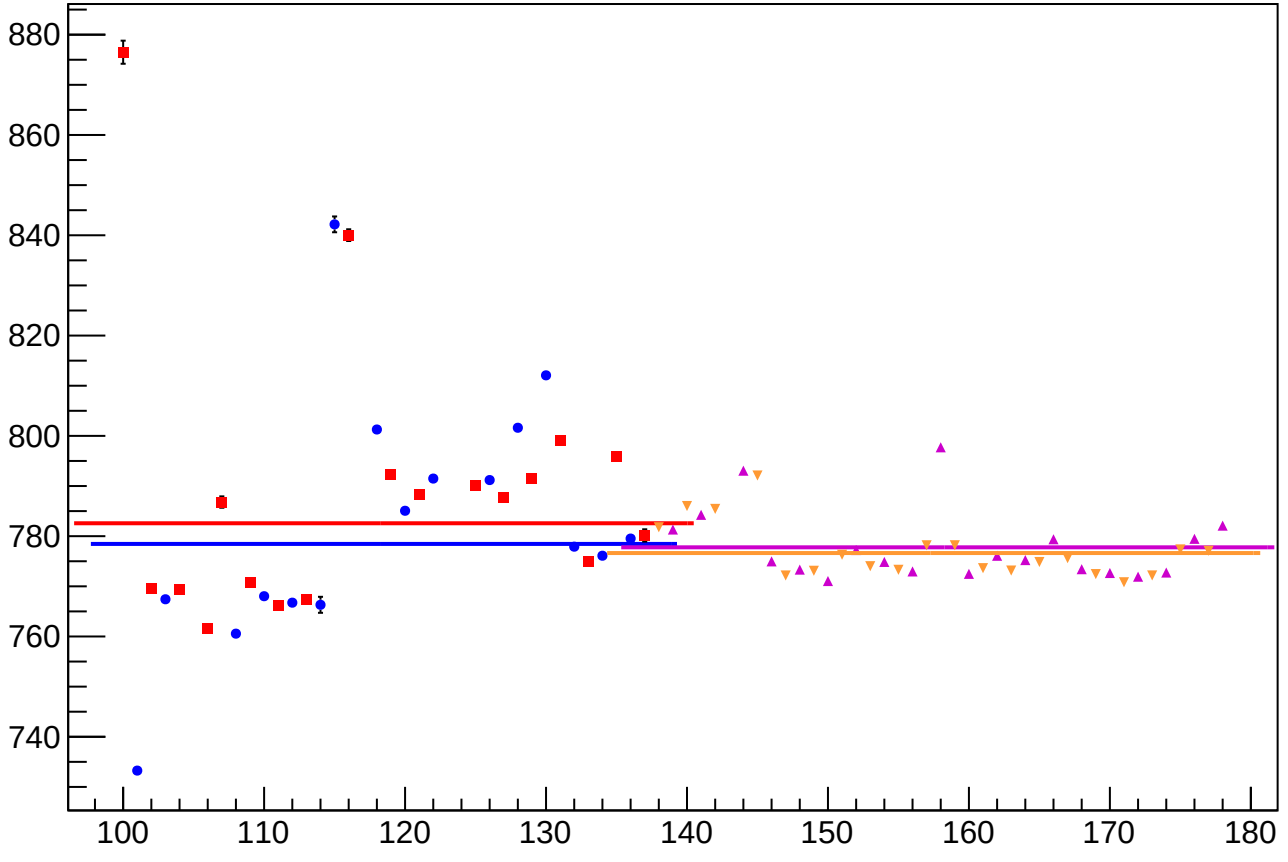
Left In: 280.919+/-192.382 χ^2/NDF:19.4/19

+ sign -302.549+/-161.676 χ^2/NDF: 23.1/35

All: -56.021+/-113.738 χ^2/NDF: 60.5/73

- sign 185.533+/-160.037 χ^2/NDF: 32.8/37

eigen_dit_asym_us_dd_rms vs Slug



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

Left Out: 776.637+/-0.138 χ^2/NDF:1454.8/19

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

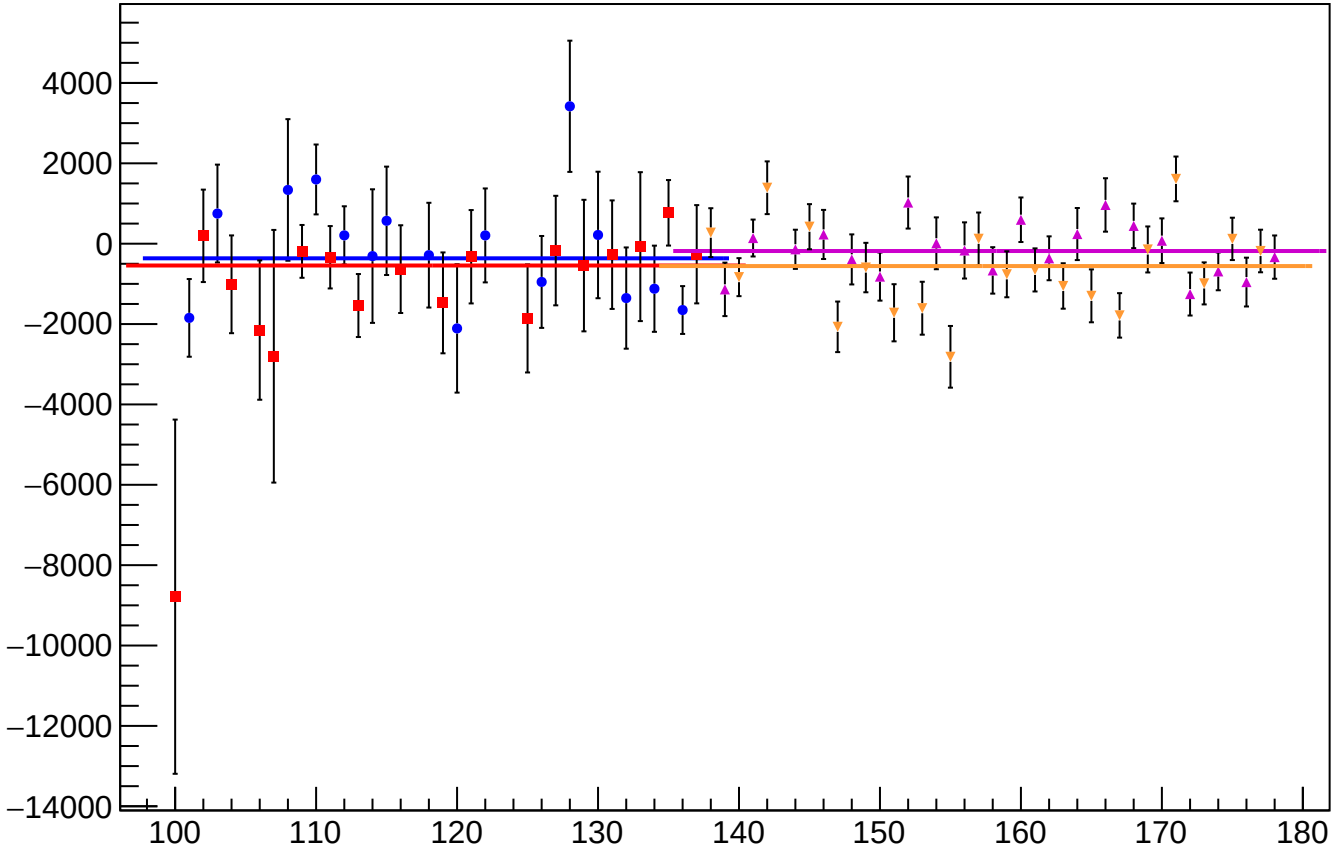
Left In: 777.779+/-0.136 χ^2/NDF:2682.9/19

+ sign 777.205+/-0.114 χ^2/NDF: 13304.3/35

All: 778.241+/-0.080 χ^2/NDF: 24014.0/73

- sign 779.256+/-0.113 χ^2/NDF: 10547.2/37

asym_us_dd_eigen_dit_correction_mean vs Slug



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

Left Out: -556.871+/-130.753 χ^2/NDF:60.4/19

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

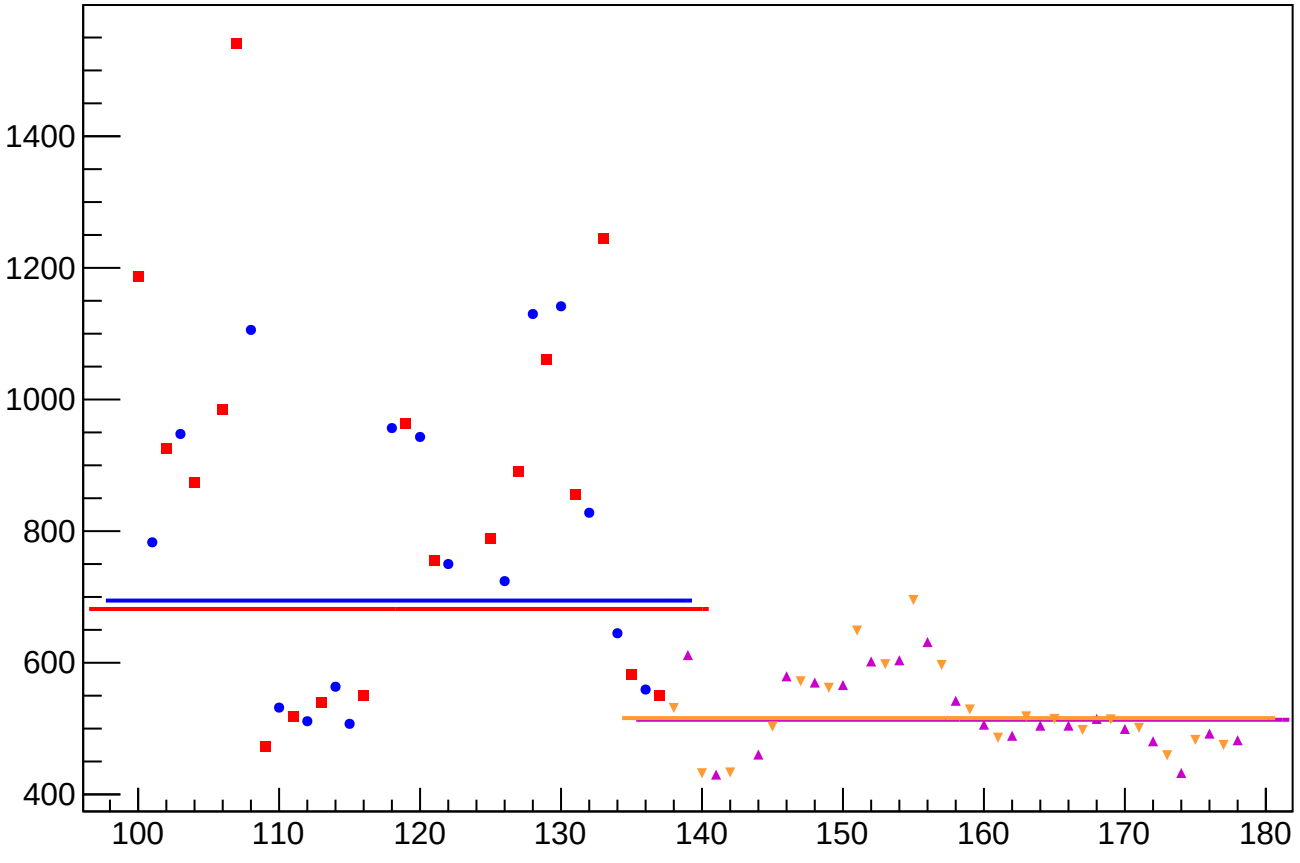
Left In: -182.376+/-128.023 χ^2/NDF:22.4/19

+ sign -520.075+/-117.623 χ^2/NDF: 84.2/35

All: -382.587+/-82.338 χ^2/NDF: 122.5/73

- sign -250.479+/-115.298 χ^2/NDF: 35.6/37

asym_us_dd_eigen_dit_correction_rms vs Slug



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

Left Out: 515.920+/-0.092 χ^2/NDF:418574.3/19

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

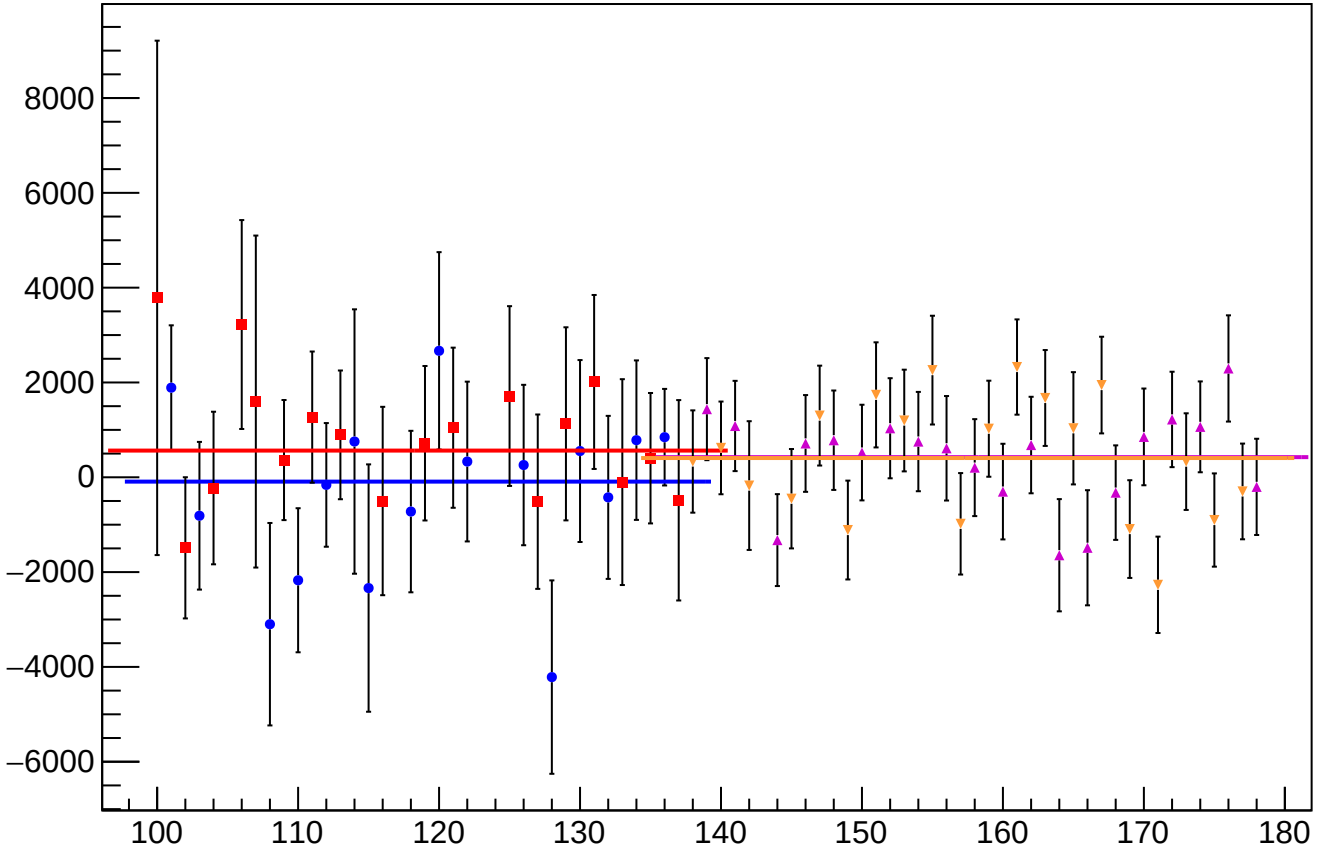
Left In: 513.392+/-0.091 χ^2/NDF:409103.6/19

+ sign 549.988+/-0.083 χ^2/NDF: 2160260.7/35

All: 547.544+/-0.058 χ^2/NDF: 4535729.9/73

- sign 545.195+/-0.082 χ^2/NDF: 2373775.9/37

asym_us_dd_mean vs Slug



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

Left Out: 405.989+/-235.715 χ^2/NDF:29.5/19

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

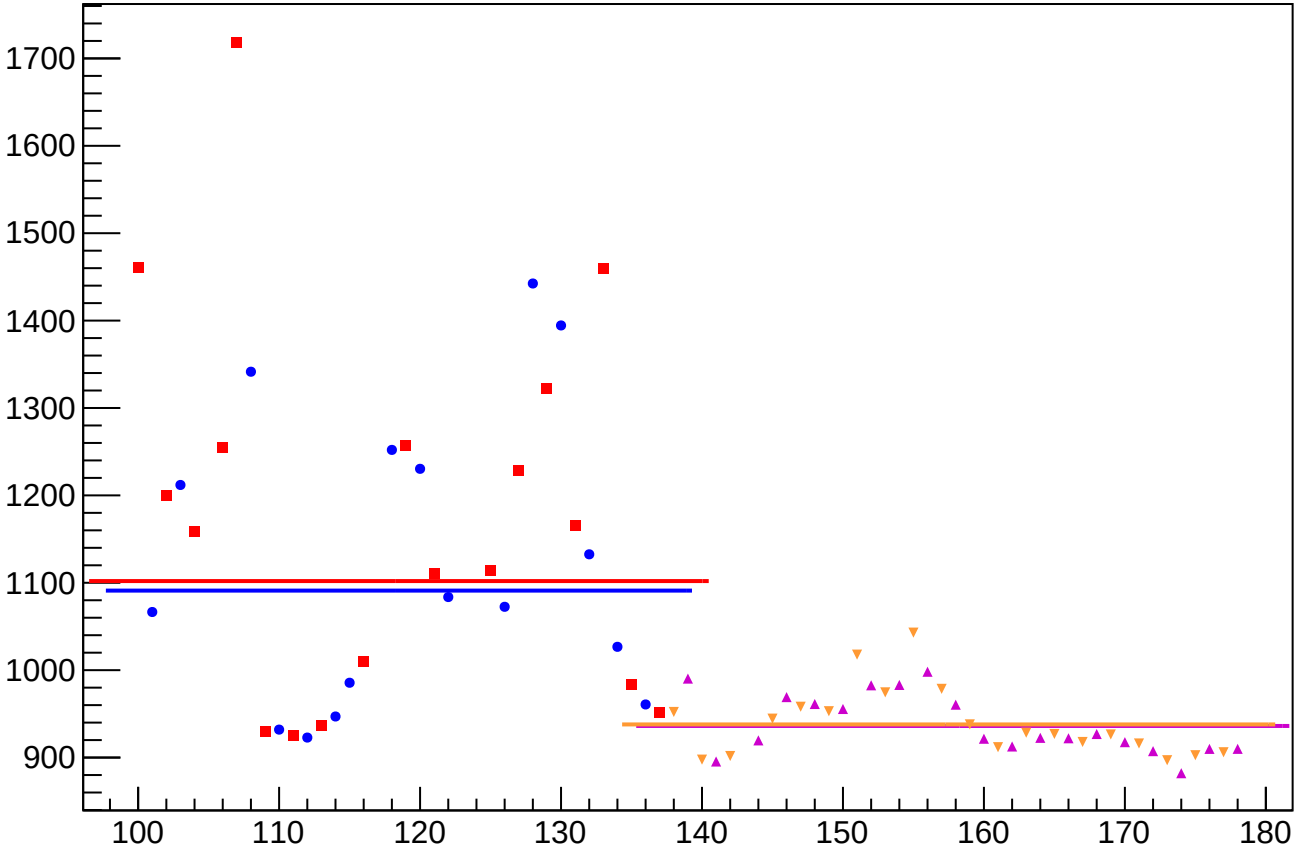
Left In: 424.958+/-231.742 χ^2/NDF:16.4/19

+ sign 282.432+/-204.345 χ^2/NDF: 45.1/35

All: 371.391+/-143.633 χ^2/NDF: 68.5/73

- sign 458.259+/-201.931 χ^2/NDF: 23.0/37

asym_us_dd_rms vs Slug



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

Left Out: 937.908+/-0.167 χ^2/NDF:50194.0/19

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

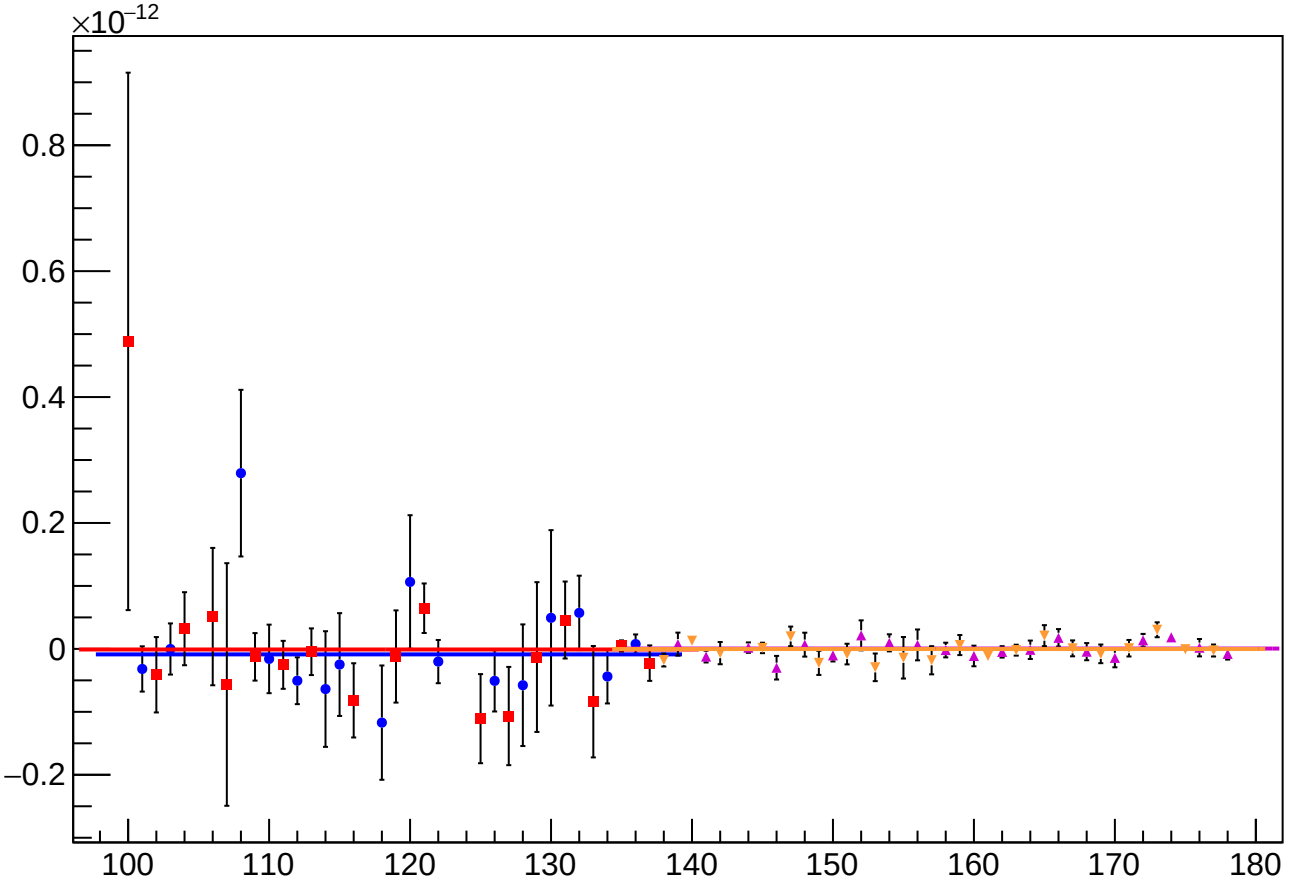
Left In: 936.161+/-0.164 χ^2/NDF:41935.2/19

+ sign 975.955+/-0.144 χ^2/NDF: 537222.6/35

All: 976.014+/-0.102 χ^2/NDF: 1153686.6/73

- sign 976.072+/-0.143 χ^2/NDF: 616463.6/37

asym_us_dd_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:22.7/19

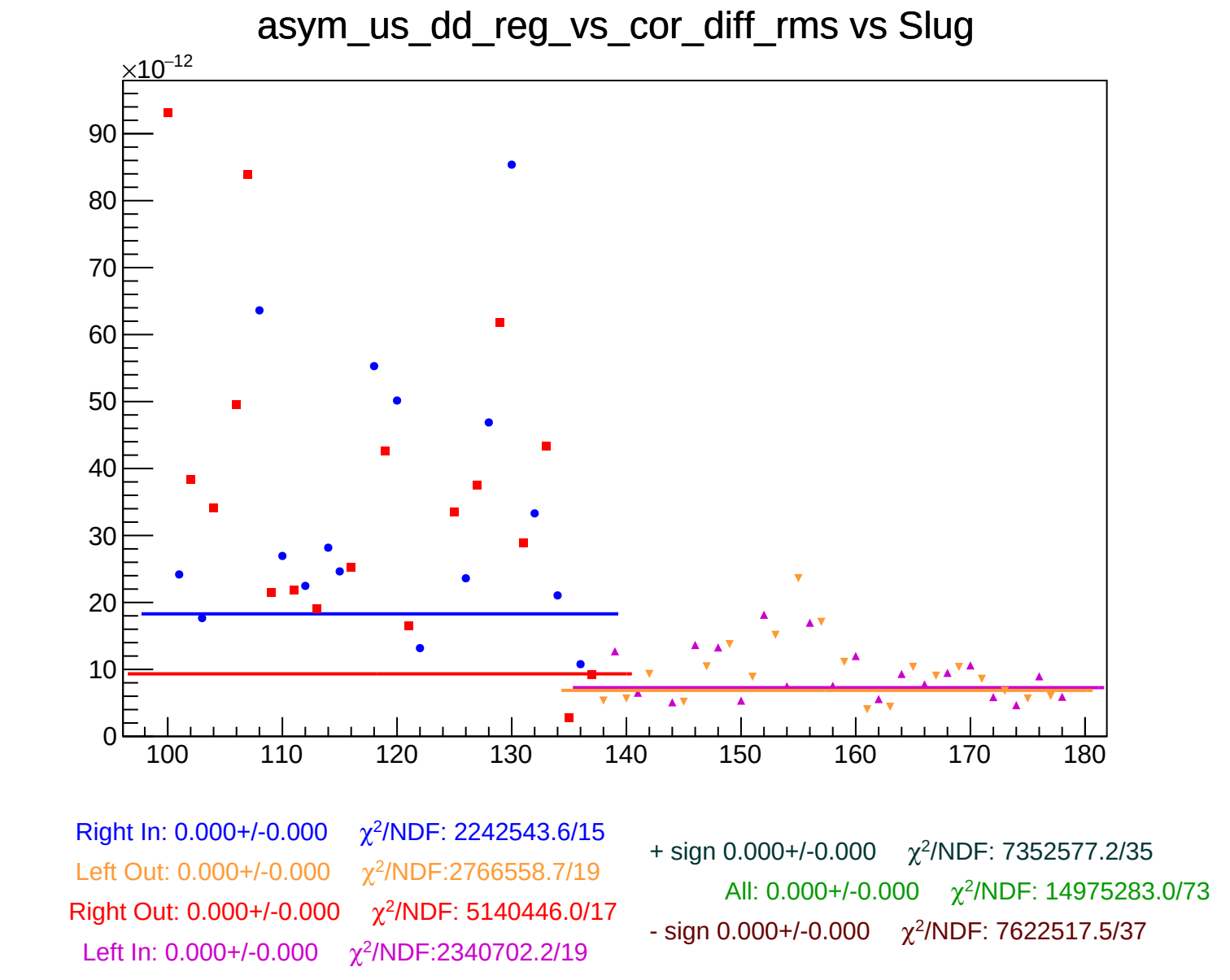
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/17

Left In: 0.000+/-0.000 χ^2/NDF:18.6/19

+ sign -0.000+/-0.000 χ^2/NDF: 37.2/35

All: -0.000+/-0.000 χ^2/NDF: 70.2/73

- sign 0.000+/-0.000 χ^2/NDF: 32.9/37


asym_us_dd_reg_vs_cor_diff_rms vs Slug
×10^−12
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60
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40
30
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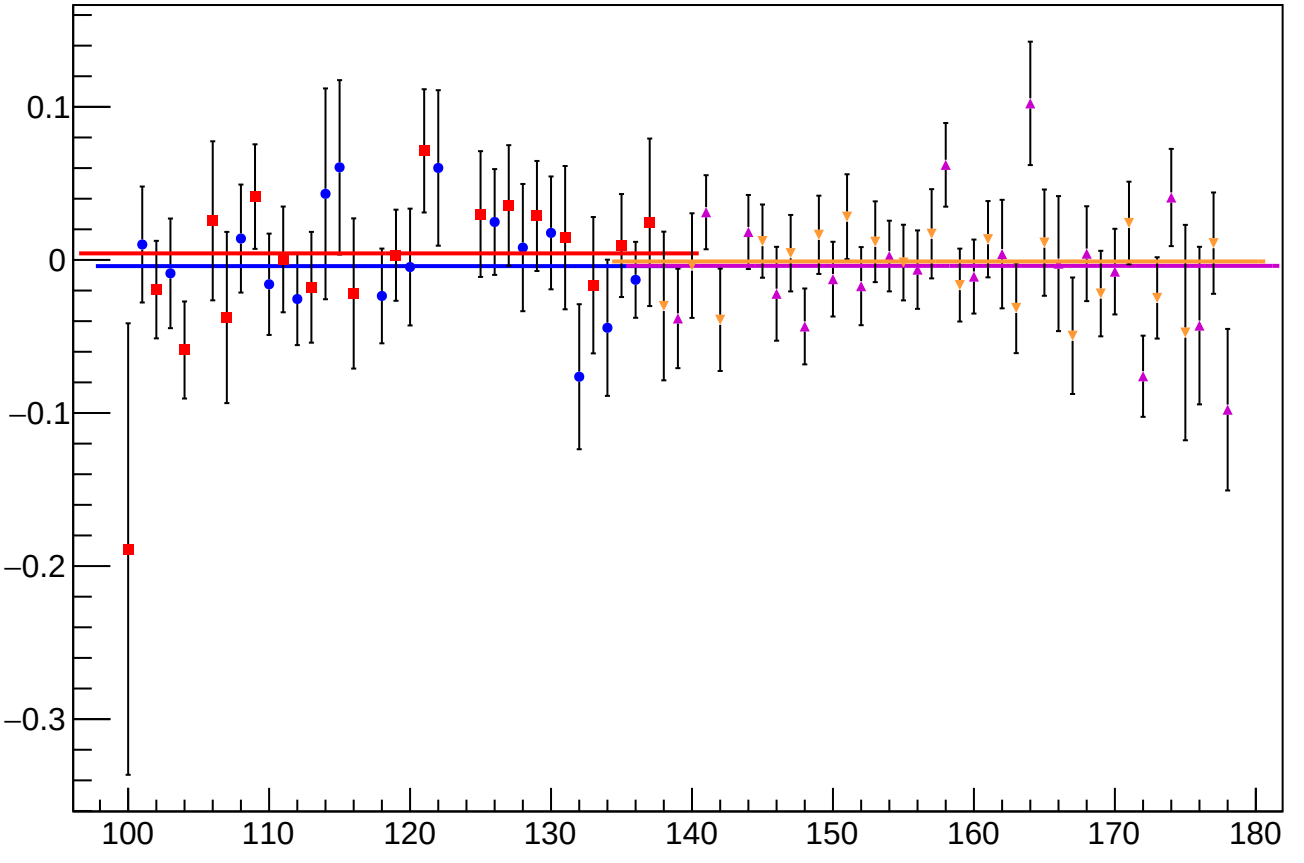
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2242543.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2766558.7/19
Right Out: 0.000+/-0.000 χ²/NDF: 5140446.0/17
Left In: 0.000+/-0.000 χ²/NDF:2340702.2/19
+ sign 0.000+/-0.000 χ²/NDF: 7352577.2/35
All: 0.000+/-0.000 χ²/NDF: 14975283.0/73
- sign 0.000+/-0.000 χ²/NDF: 7622517.5/37

asym_us_dd_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.001+/-0.006 χ^2/NDF:10.6/19

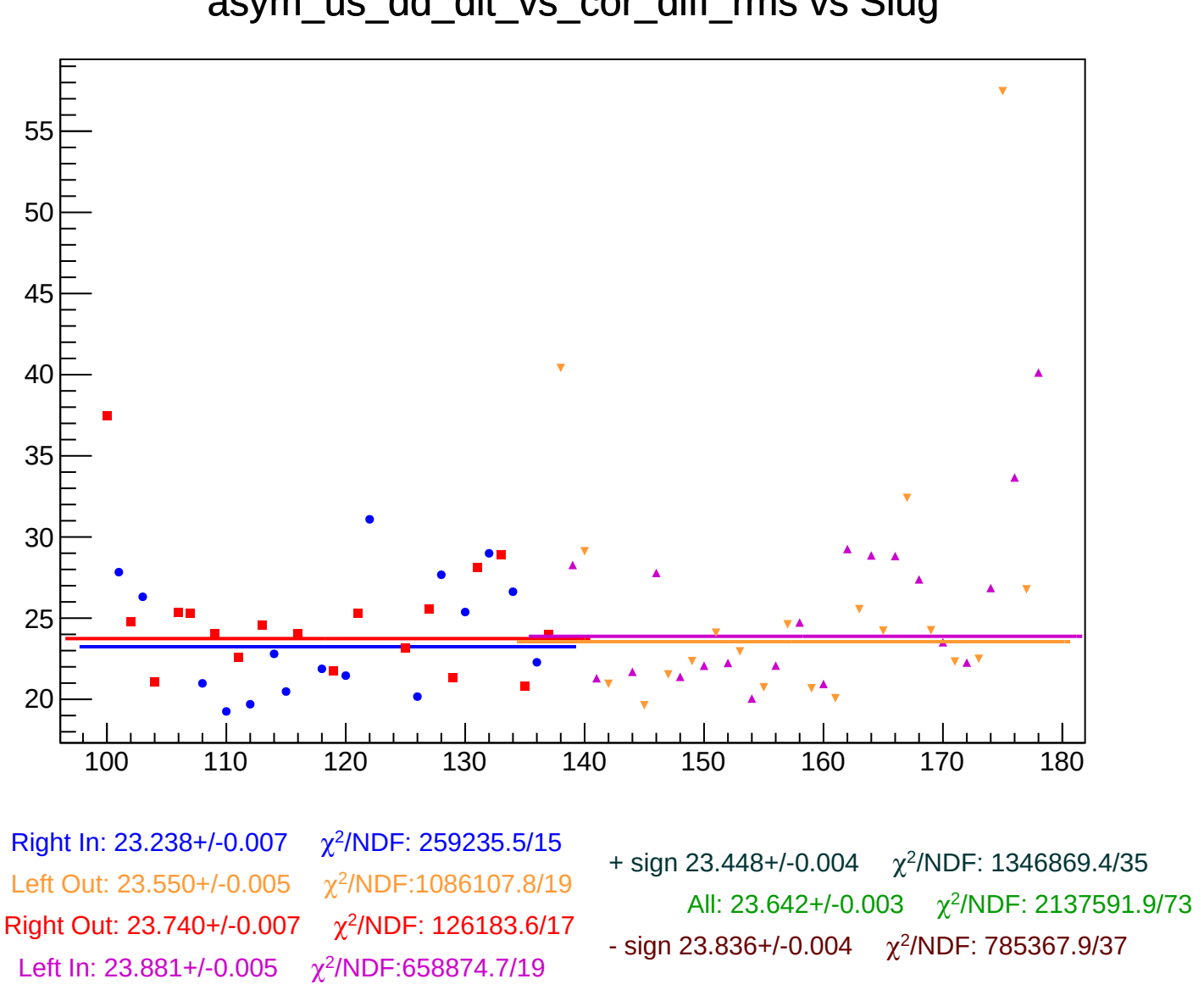
Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

Left In: -0.004+/-0.006 χ^2/NDF:33.5/19

+ sign -0.002+/-0.005 χ^2/NDF: 19.9/35

All: -0.002+/-0.004 χ^2/NDF: 67.4/73

- sign -0.001+/-0.005 χ^2/NDF: 47.5/37


asym_us_dd_dit_vs_cor_diff_rms vs Slug
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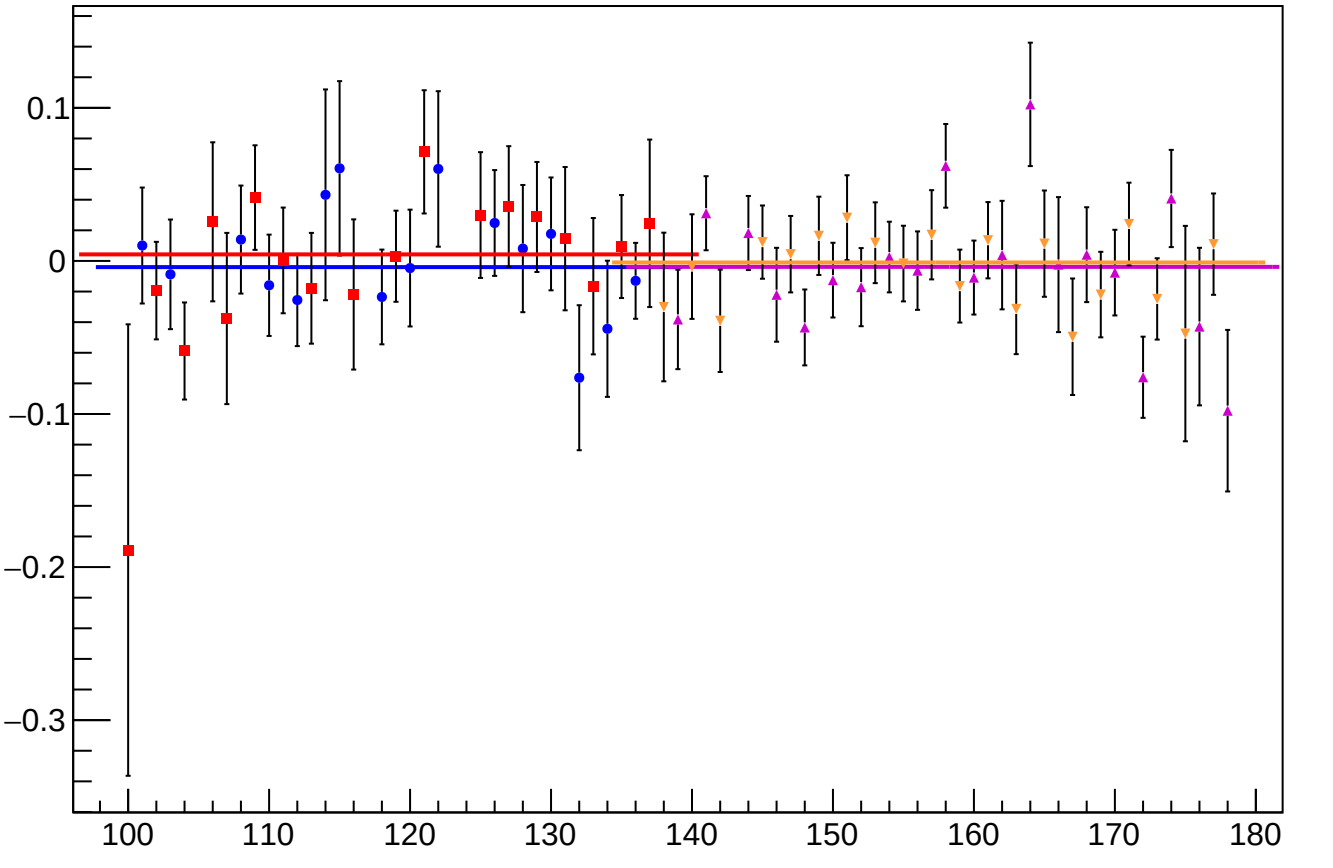
100
110
120
130
140
150
160
170
180
Right In: 23.238+/-0.007 χ²/NDF: 259235.5/15
Left Out: 23.550+/-0.005 χ²/NDF:1086107.8/19
Right Out: 23.740+/-0.007 χ²/NDF: 126183.6/17
Left In: 23.881+/-0.005 χ²/NDF:658874.7/19
+ sign 23.448+/-0.004 χ²/NDF: 1346869.4/35
All: 23.642+/-0.003 χ²/NDF: 2137591.9/73
- sign 23.836+/-0.004 χ²/NDF: 785367.9/37



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

Left Out: -0.001+/-0.006 χ^2/NDF:10.6/19

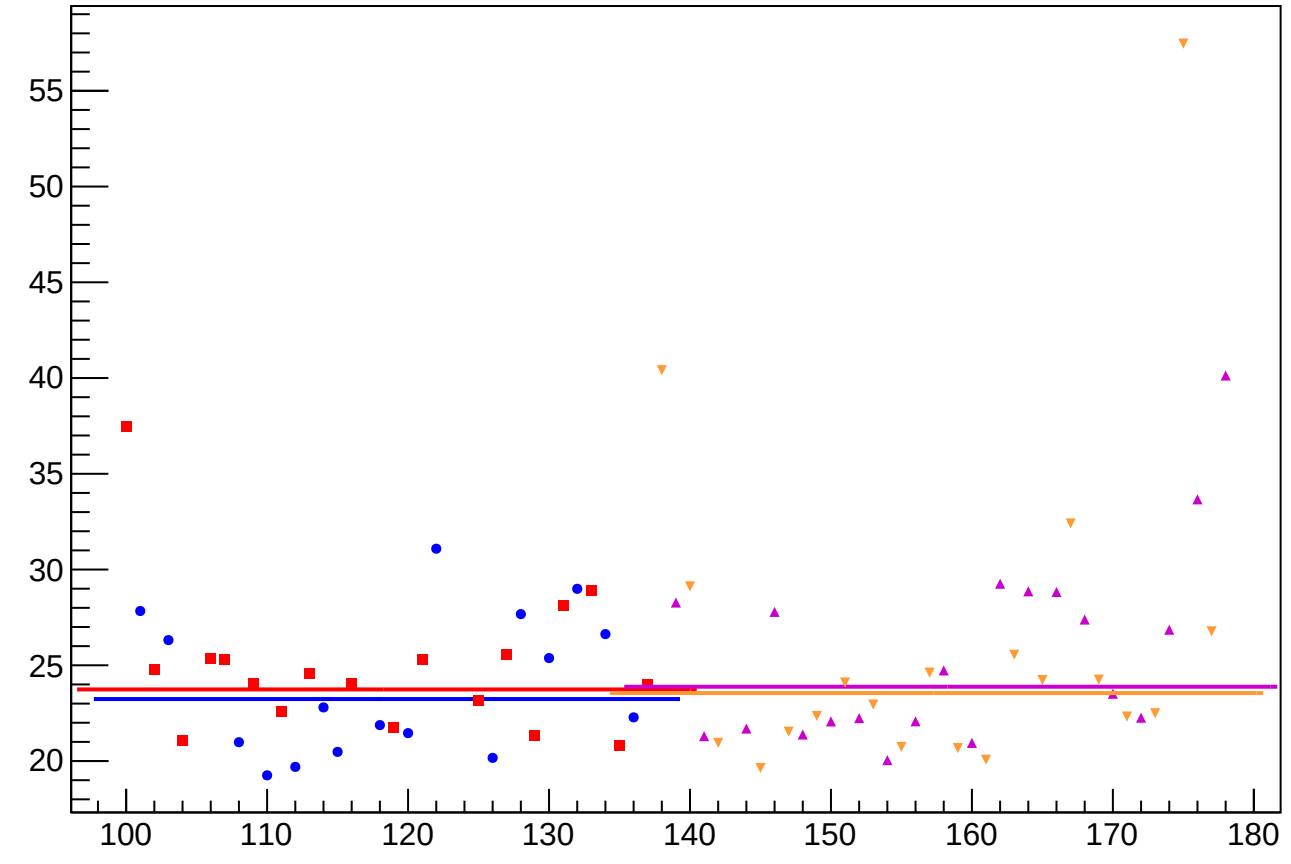
Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

Left In: -0.004+/-0.006 χ^2/NDF:33.5/19

+ sign -0.002+/-0.005 χ^2/NDF: 19.9/35

All: -0.002+/-0.004 χ^2/NDF: 67.4/73

- sign -0.001+/-0.005 χ^2/NDF: 47.5/37



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

Left Out: 23.550+/-0.005 χ^2/NDF:1086107.8/19

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

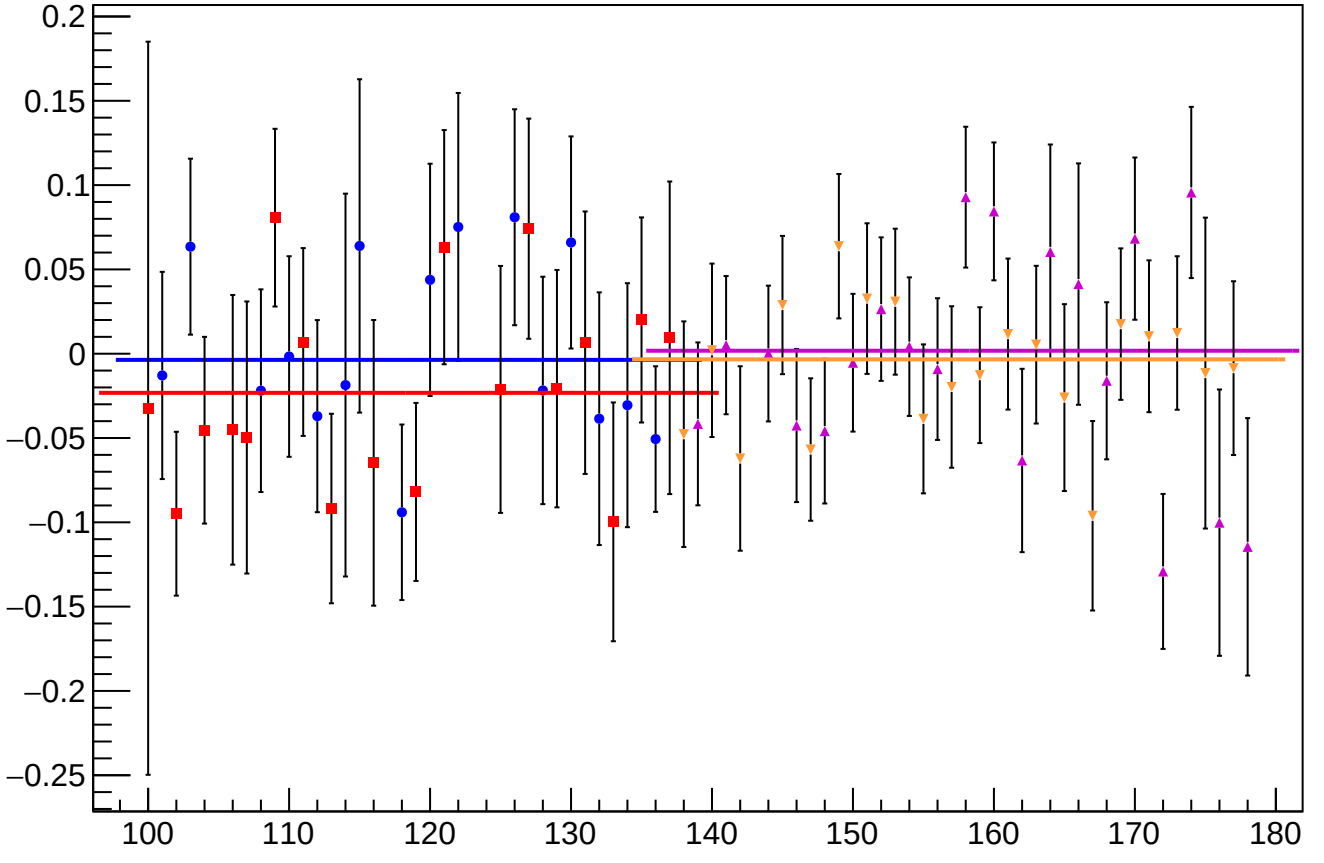
Left In: 23.881+/-0.005 χ^2/NDF:658874.7/19

+ sign 23.448+/-0.004 χ^2/NDF: 1346869.4/35

All: 23.642+/-0.003 χ^2/NDF: 2137591.9/73

- sign 23.836+/-0.004 χ^2/NDF: 785367.9/37

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug



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

Left Out: -0.003+/-0.011 χ^2/NDF:11.9/19

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

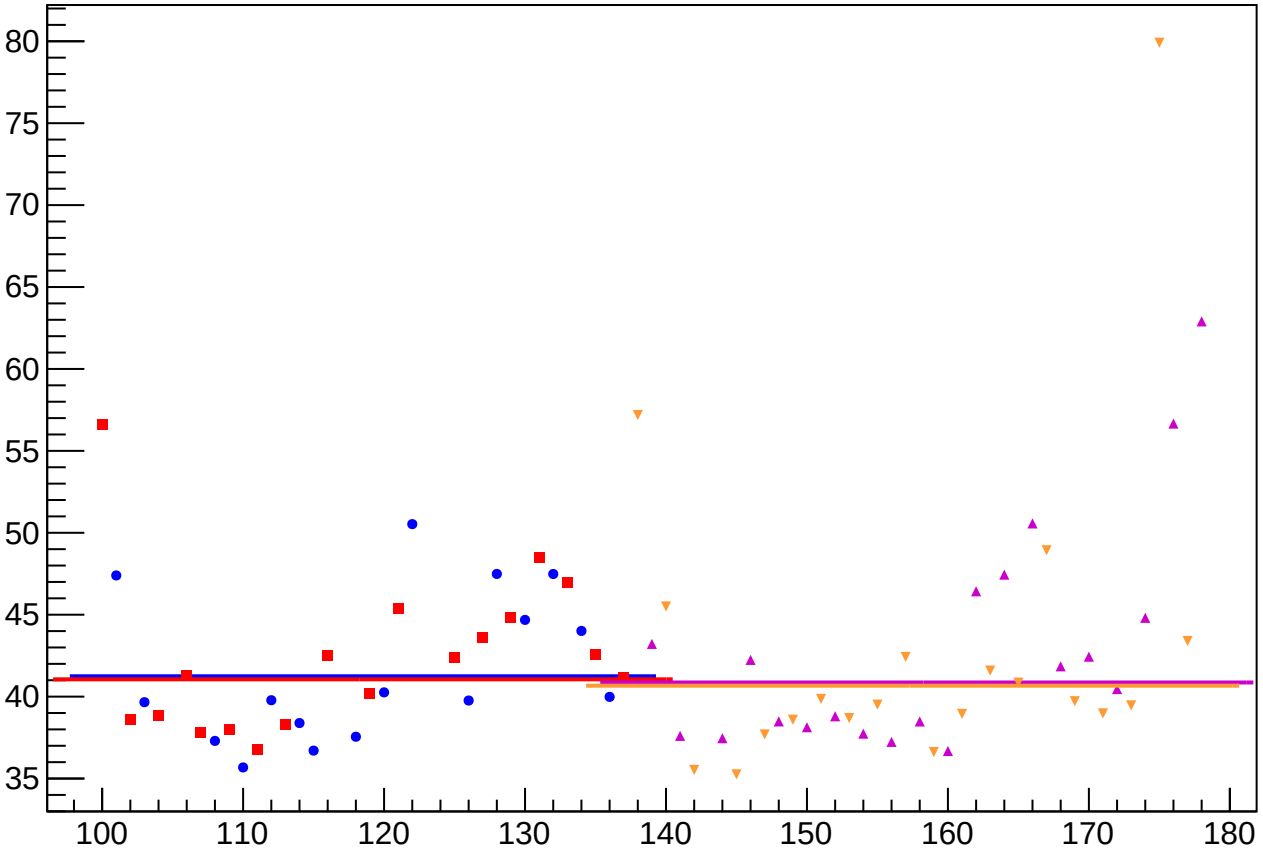
Left In: 0.002+/-0.011 χ^2/NDF:32.4/19

+ sign -0.003+/-0.009 χ^2/NDF: 23.5/35

All: -0.005+/-0.006 χ^2/NDF: 73.2/73

- sign -0.006+/-0.009 χ^2/NDF: 49.6/37

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: 40.668+/-0.008 χ^2/NDF:655867.5/19

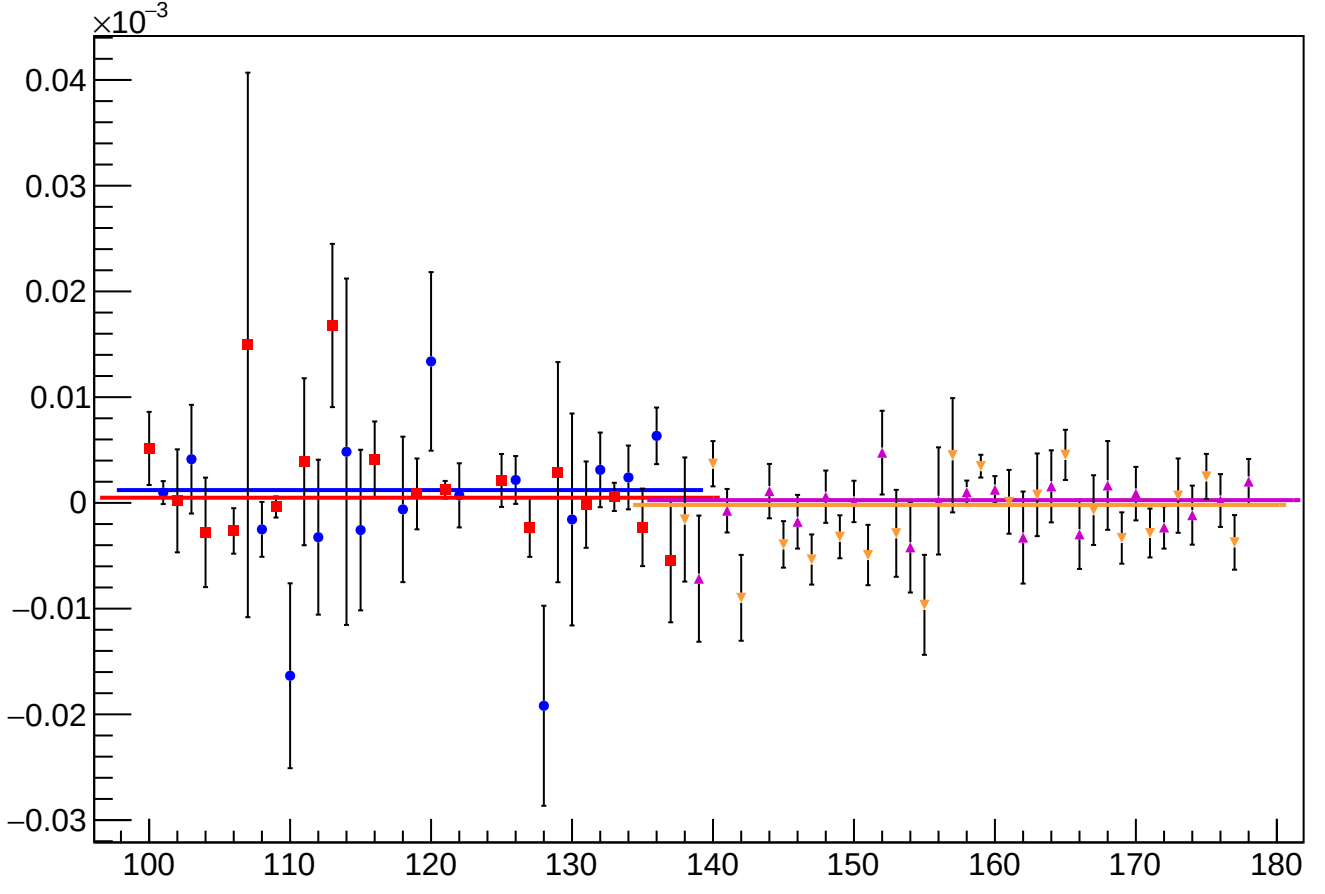
Right Out: 41.055+/-0.011 χ^2/NDF: 96560.6/17

Left In: 40.863+/-0.007 χ^2/NDF:448248.4/19

+ sign 40.848+/-0.006 χ^2/NDF: 792969.9/35

All: 40.887+/-0.004 χ^2/NDF: 1338061.5/73

- sign 40.924+/-0.006 χ^2/NDF: 545017.5/37



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

Left Out: -0.000+/-0.000 χ^2/NDF:48.0/19

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

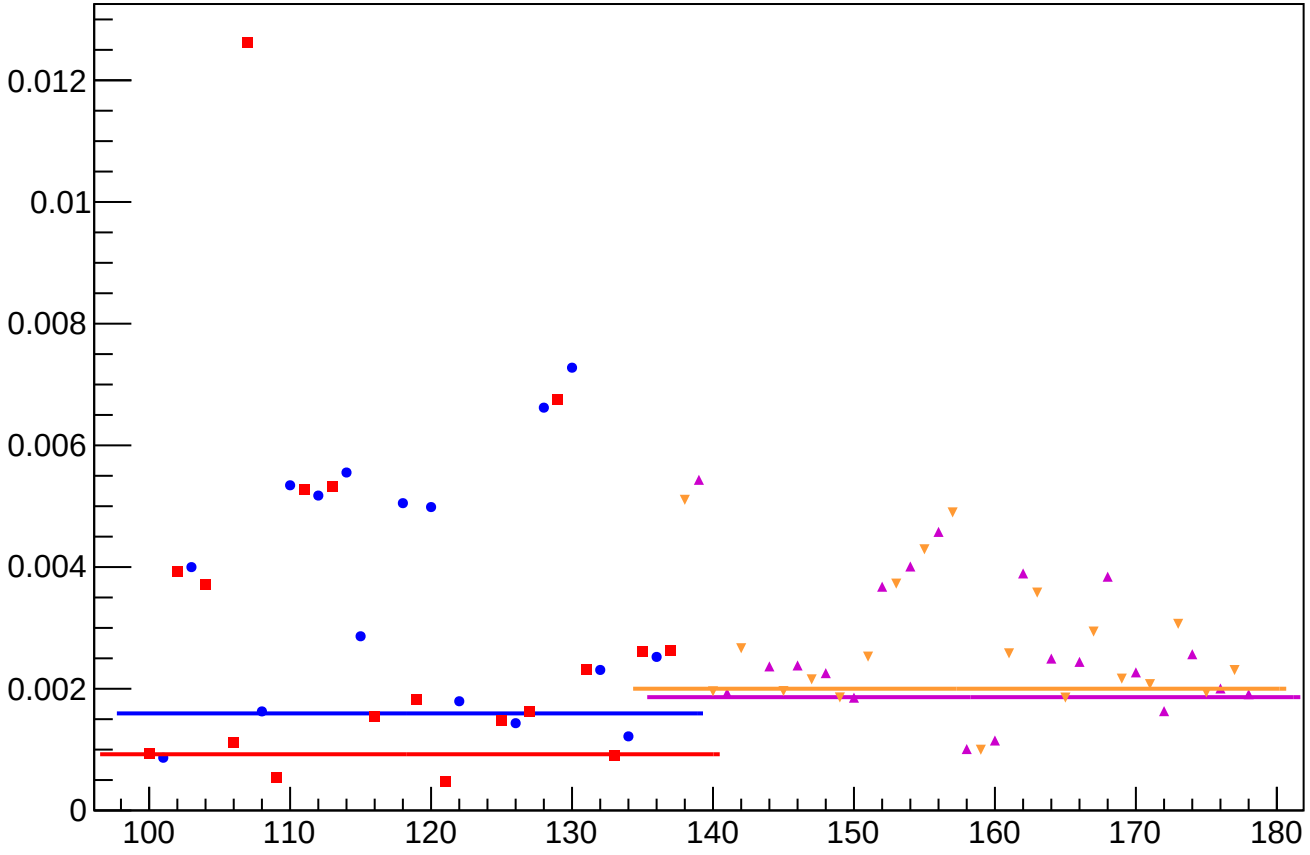
Left In: 0.000+/-0.000 χ^2/NDF:10.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 68.6/35

All: 0.000+/-0.000 χ^2/NDF: 94.2/73

- sign 0.000+/-0.000 χ^2/NDF: 25.6/37

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:4623780.3/19

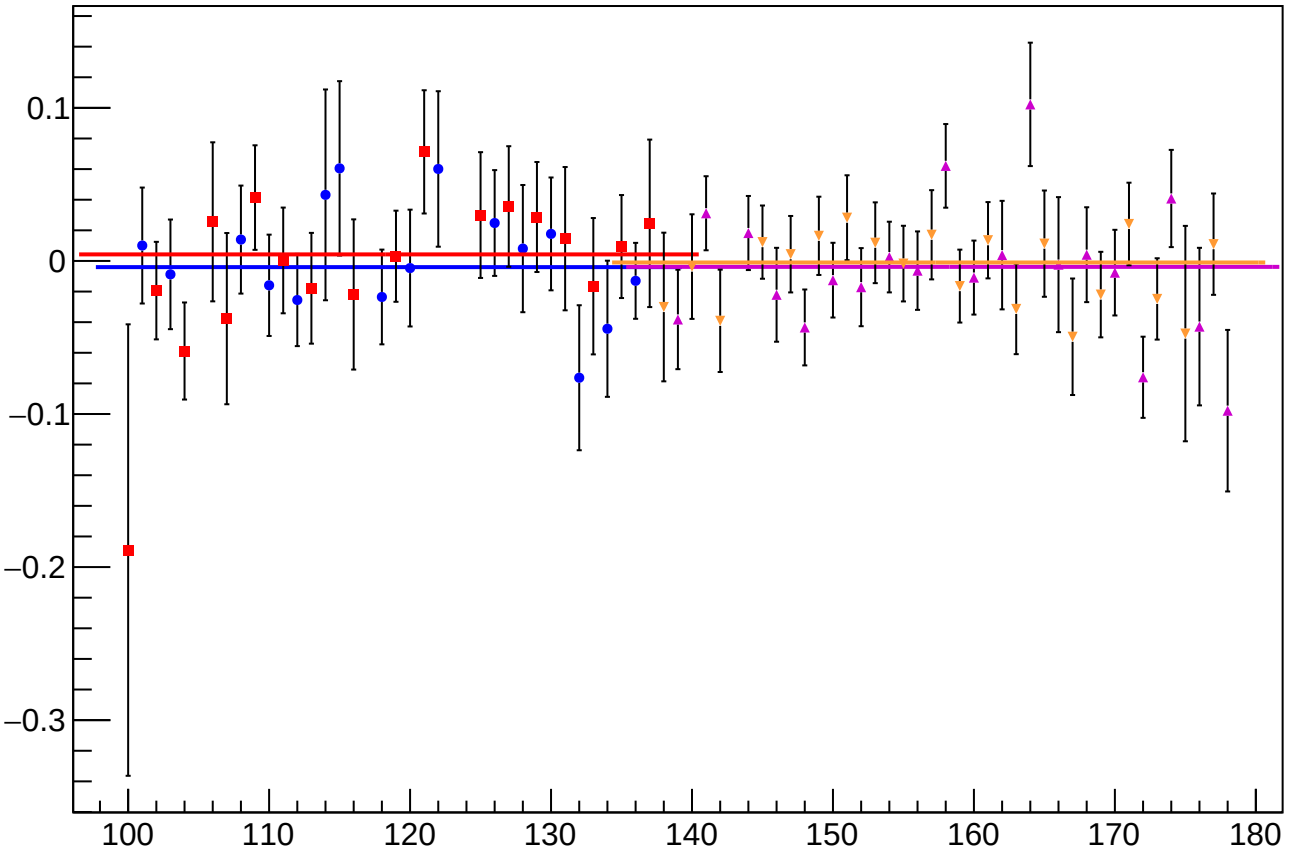
Right Out: 0.001+/-0.000 χ^2/NDF: 5780451.3/17

Left In: 0.002+/-0.000 χ^2/NDF:5470490.0/19

+ sign 0.002+/-0.000 χ^2/NDF: 9766480.1/35

All: 0.002+/-0.000 χ^2/NDF: 25892773.9/73

- sign 0.001+/-0.000 χ^2/NDF: 14694422.1/37



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

Left Out: -0.001+/-0.006 χ^2/NDF:10.6/19

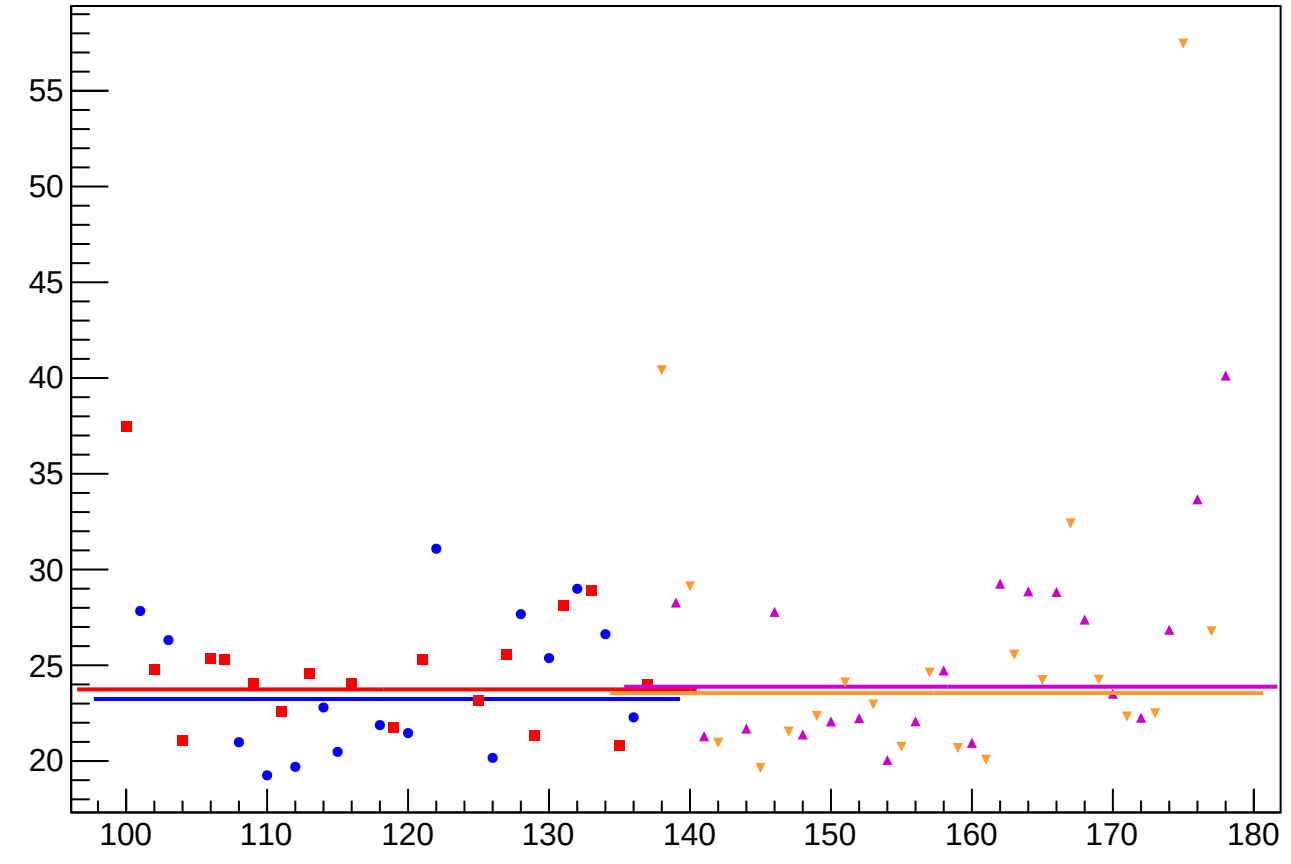
Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

Left In: -0.004+/-0.006 χ^2/NDF:33.5/19

+ sign -0.002+/-0.005 χ^2/NDF: 19.9/35

All: -0.002+/-0.004 χ^2/NDF: 67.4/73

- sign -0.001+/-0.005 χ^2/NDF: 47.6/37



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

Left Out: 23.550+/-0.005 χ^2/NDF:1086118.4/19

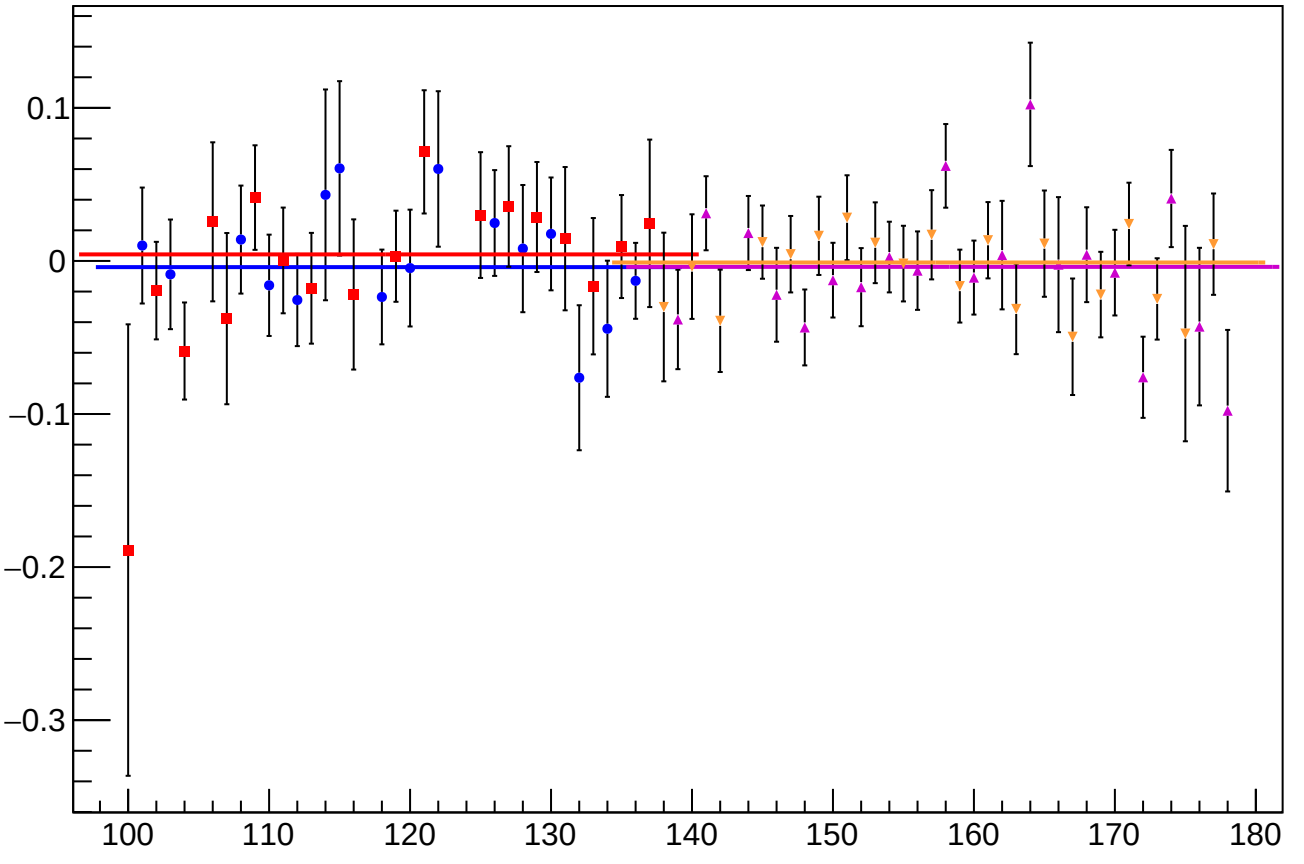
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 23.881+/-0.005 χ^2/NDF:658780.3/19

+ sign 23.447+/-0.004 χ^2/NDF: 1346875.6/35

All: 23.642+/-0.003 χ^2/NDF: 2137465.9/73

- sign 23.836+/-0.004 χ^2/NDF: 785222.9/37



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

Left Out: -0.001+/-0.006 χ^2/NDF:10.6/19

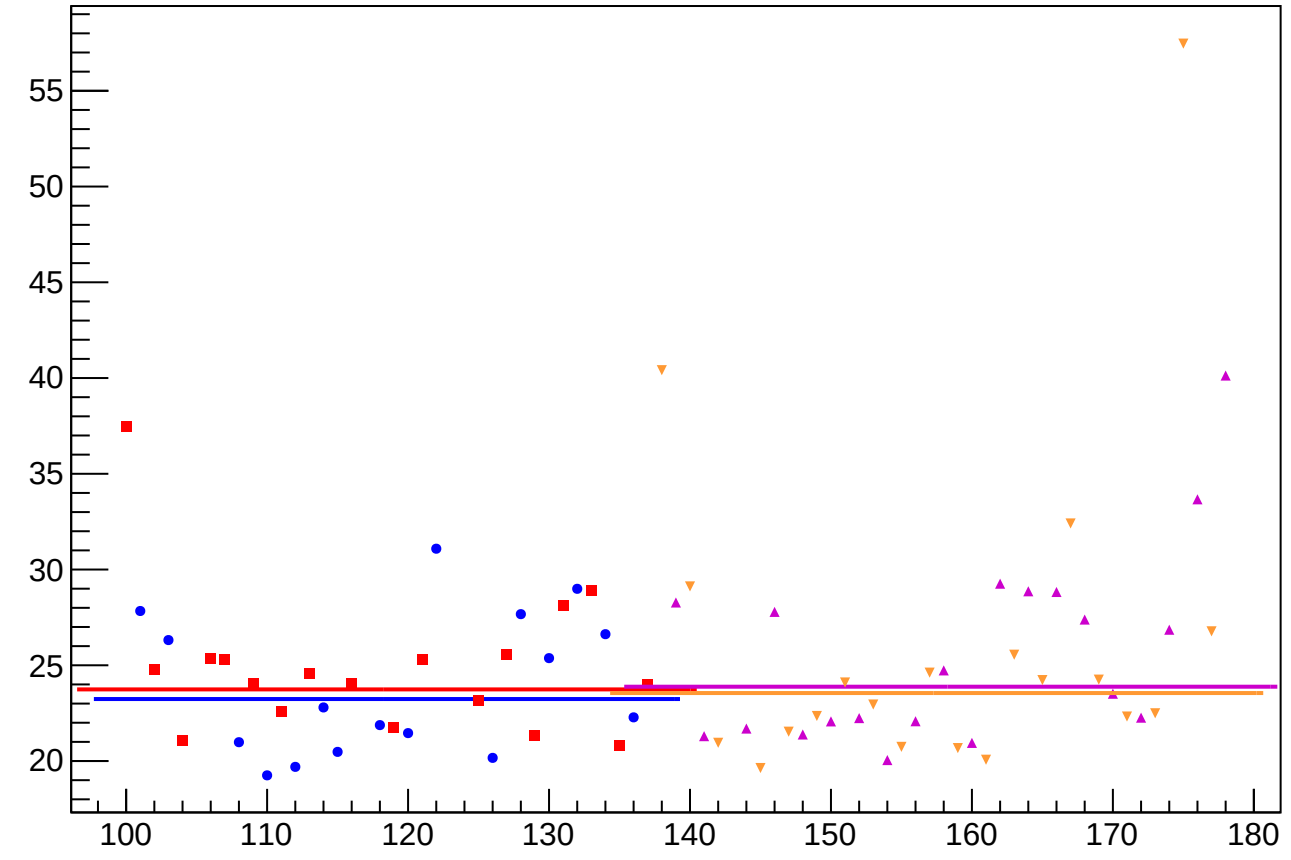
Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

Left In: -0.004+/-0.006 χ^2/NDF:33.5/19

+ sign -0.002+/-0.005 χ^2/NDF: 19.9/35

All: -0.002+/-0.004 χ^2/NDF: 67.4/73

- sign -0.001+/-0.005 χ^2/NDF: 47.6/37



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

Left Out: 23.550+/-0.005 χ^2/NDF:1086118.4/19

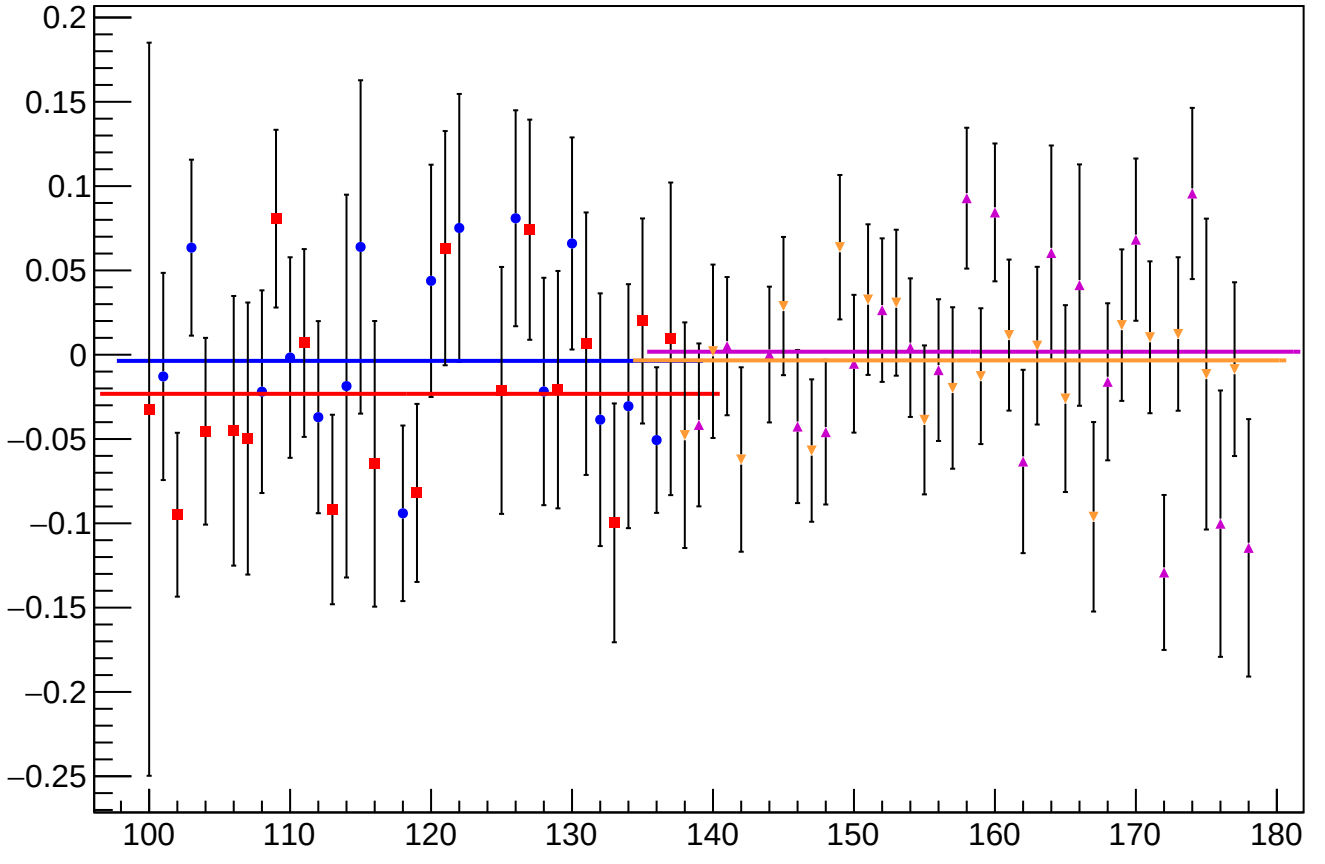
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 23.881+/-0.005 χ^2/NDF:658780.3/19

+ sign 23.447+/-0.004 χ^2/NDF: 1346875.6/35

All: 23.642+/-0.003 χ^2/NDF: 2137465.9/73

- sign 23.836+/-0.004 χ^2/NDF: 785222.9/37



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

Left Out: -0.003+/-0.011 χ^2/NDF:11.9/19

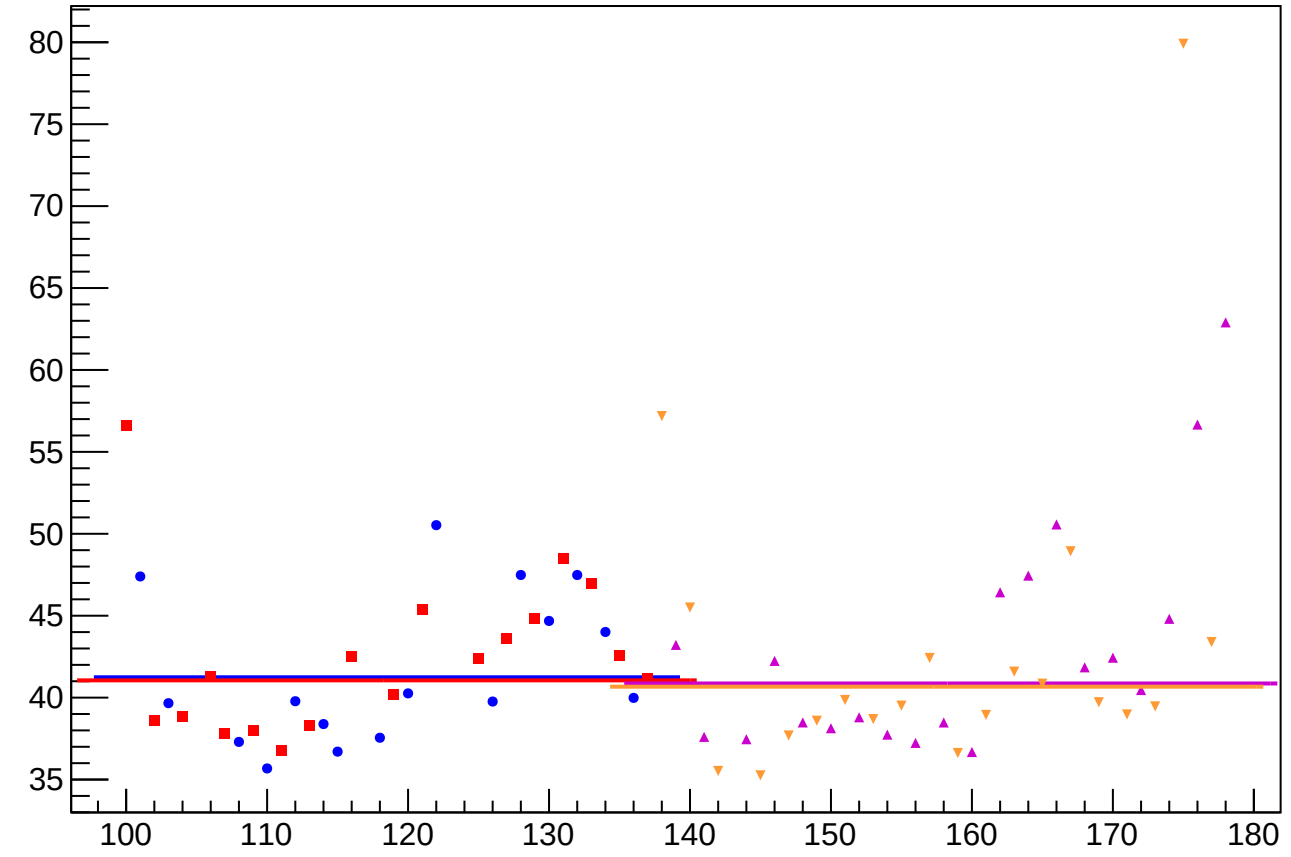
Right Out: -0.023+/-0.016 χ^2/NDF: 15.4/17

Left In: 0.002+/-0.011 χ^2/NDF:32.4/19

+ sign -0.003+/-0.009 χ^2/NDF: 23.5/35

All: -0.005+/-0.006 χ^2/NDF: 73.2/73

- sign -0.006+/-0.009 χ^2/NDF: 49.6/37



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

Left Out: 40.668+/-0.008 χ^2/NDF:655866.3/19

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

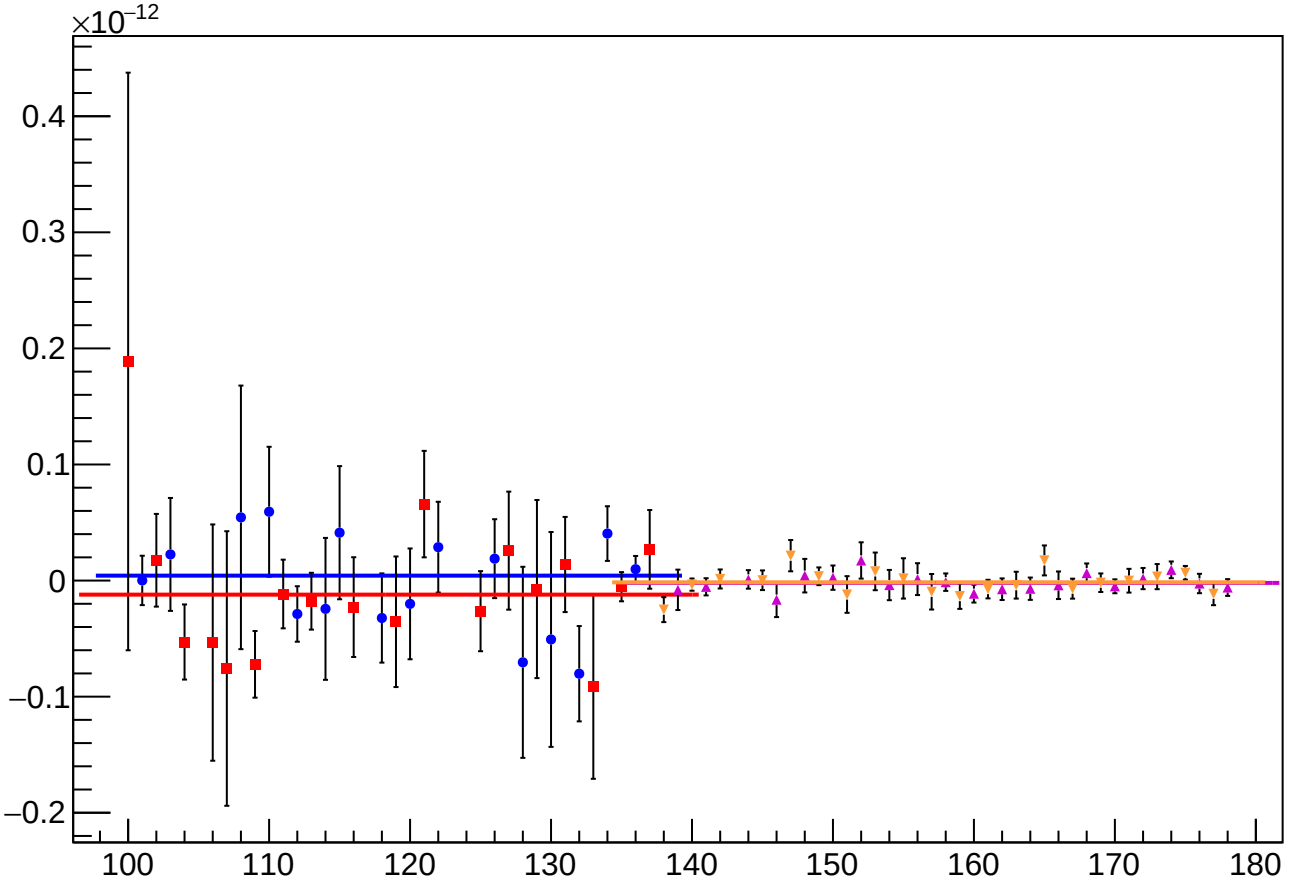
Left In: 40.863+/-0.007 χ^2/NDF:448241.2/19

+ sign 40.848+/-0.006 χ^2/NDF: 792944.9/35

All: 40.887+/-0.004 χ^2/NDF: 1338018.0/73

- sign 40.924+/-0.006 χ^2/NDF: 544998.8/37

asym_us_dd_eigen_cor_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:17.0/19

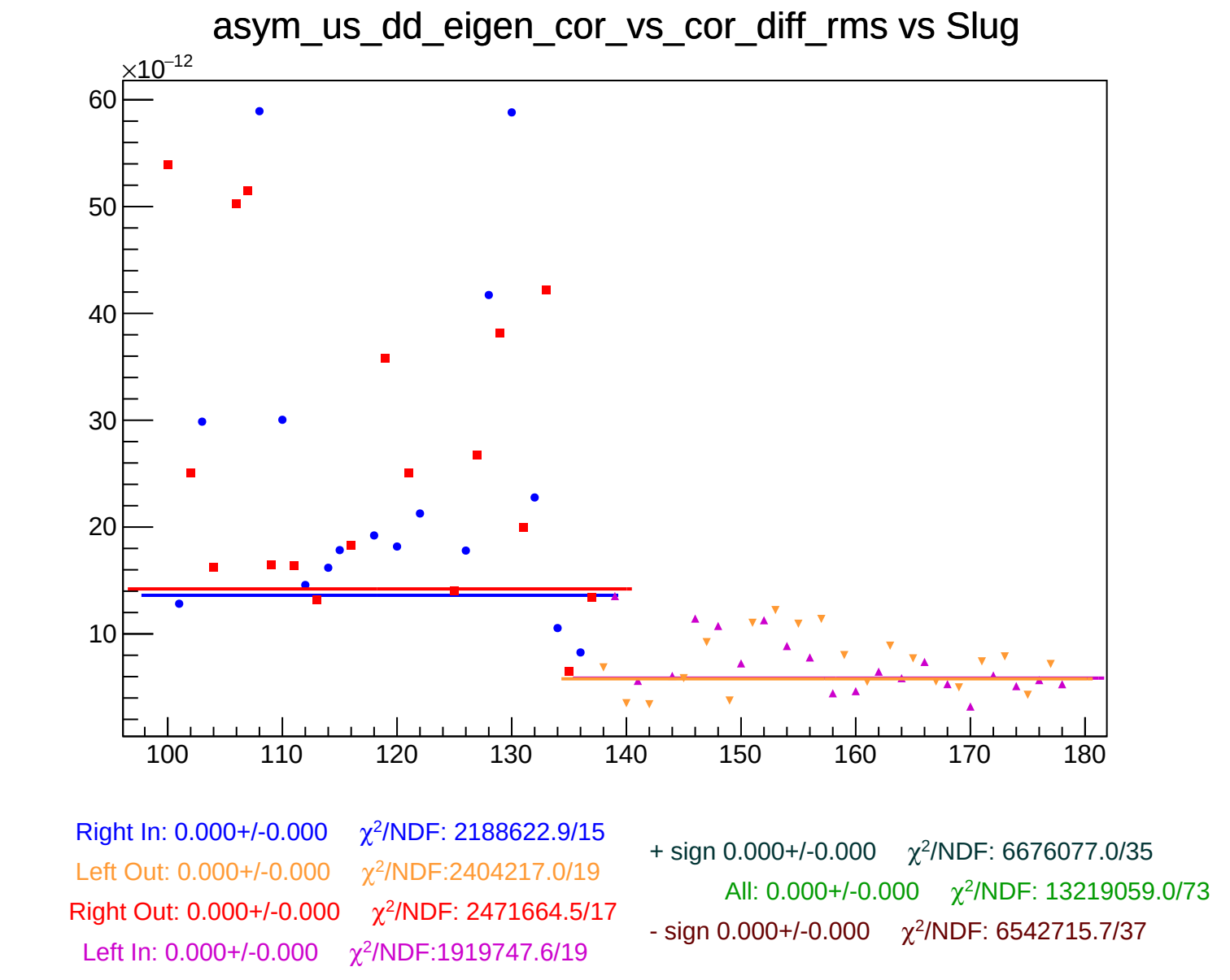
Right Out: -0.000+/-0.000 χ^2/NDF: 14.5/17

Left In: -0.000+/-0.000 χ^2/NDF:9.6/19

+ sign -0.000+/-0.000 χ^2/NDF: 31.2/35

All: -0.000+/-0.000 χ^2/NDF: 57.3/73

- sign -0.000+/-0.000 χ^2/NDF: 25.8/37


asym_us_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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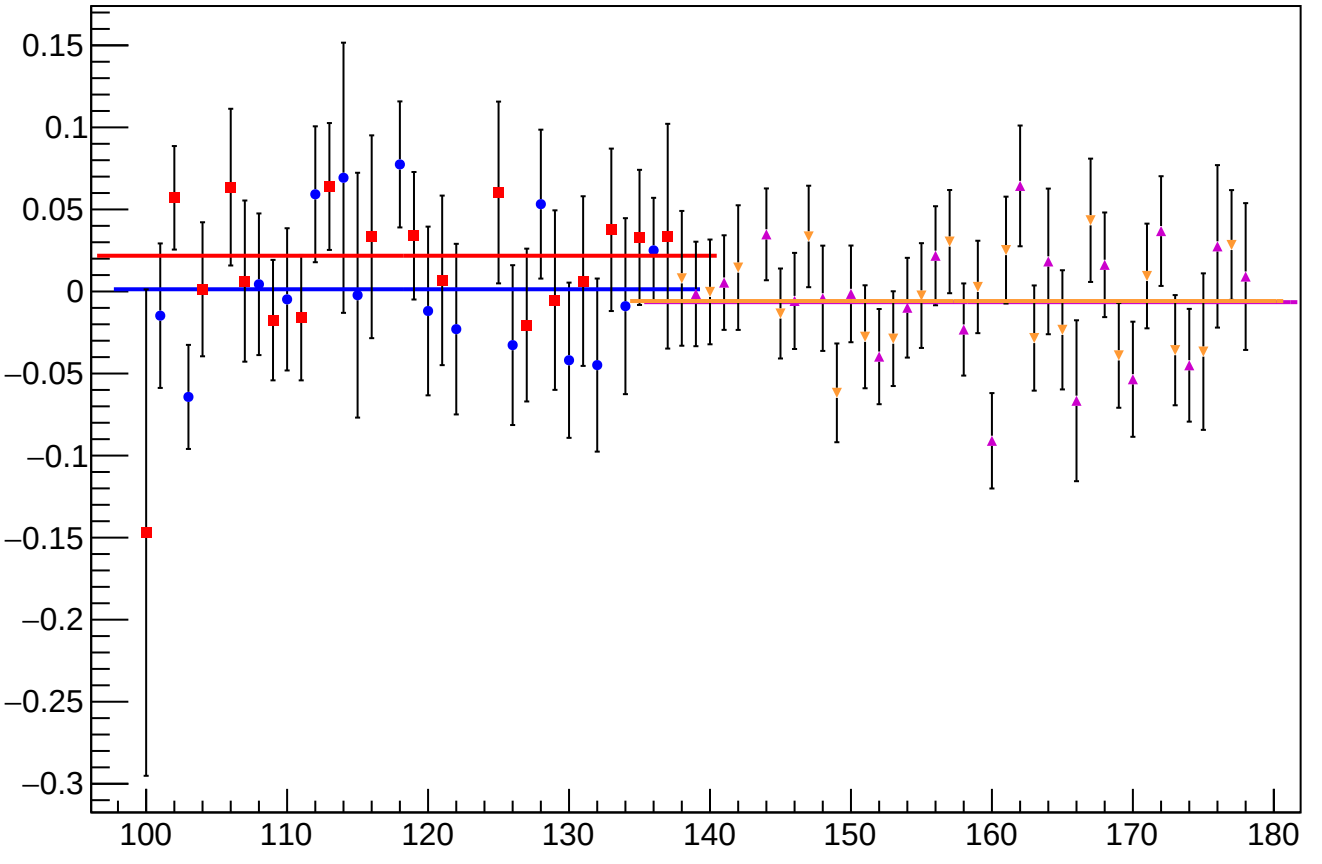
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2188622.9/15
Left Out: 0.000+/-0.000 χ²/NDF:2404217.0/19
Right Out: 0.000+/-0.000 χ²/NDF: 2471664.5/17
Left In: 0.000+/-0.000 χ²/NDF:1919747.6/19
+ sign 0.000+/-0.000 χ²/NDF: 6676077.0/35
All: 0.000+/-0.000 χ²/NDF: 13219059.0/73
- sign 0.000+/-0.000 χ²/NDF: 6542715.7/37



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

Left Out: -0.006+/-0.007 χ^2/NDF:15.0/19

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

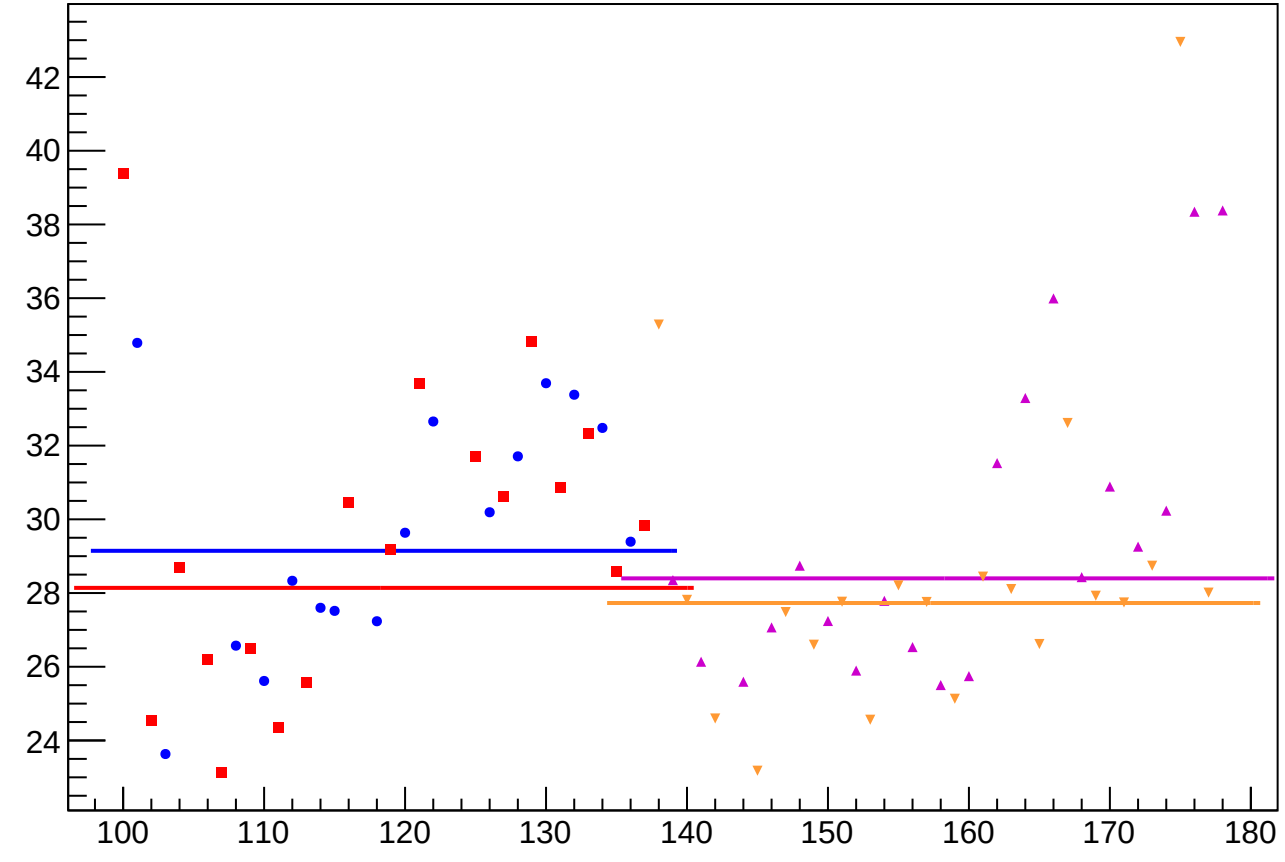
Left In: -0.007+/-0.007 χ^2/NDF:24.8/19

+ sign -0.004+/-0.006 χ^2/NDF: 30.6/35

All: -0.001+/-0.004 χ^2/NDF: 69.6/73

- sign 0.002+/-0.006 χ^2/NDF: 38.5/37

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: 27.730+/-0.005 χ^2/NDF:423603.3/19

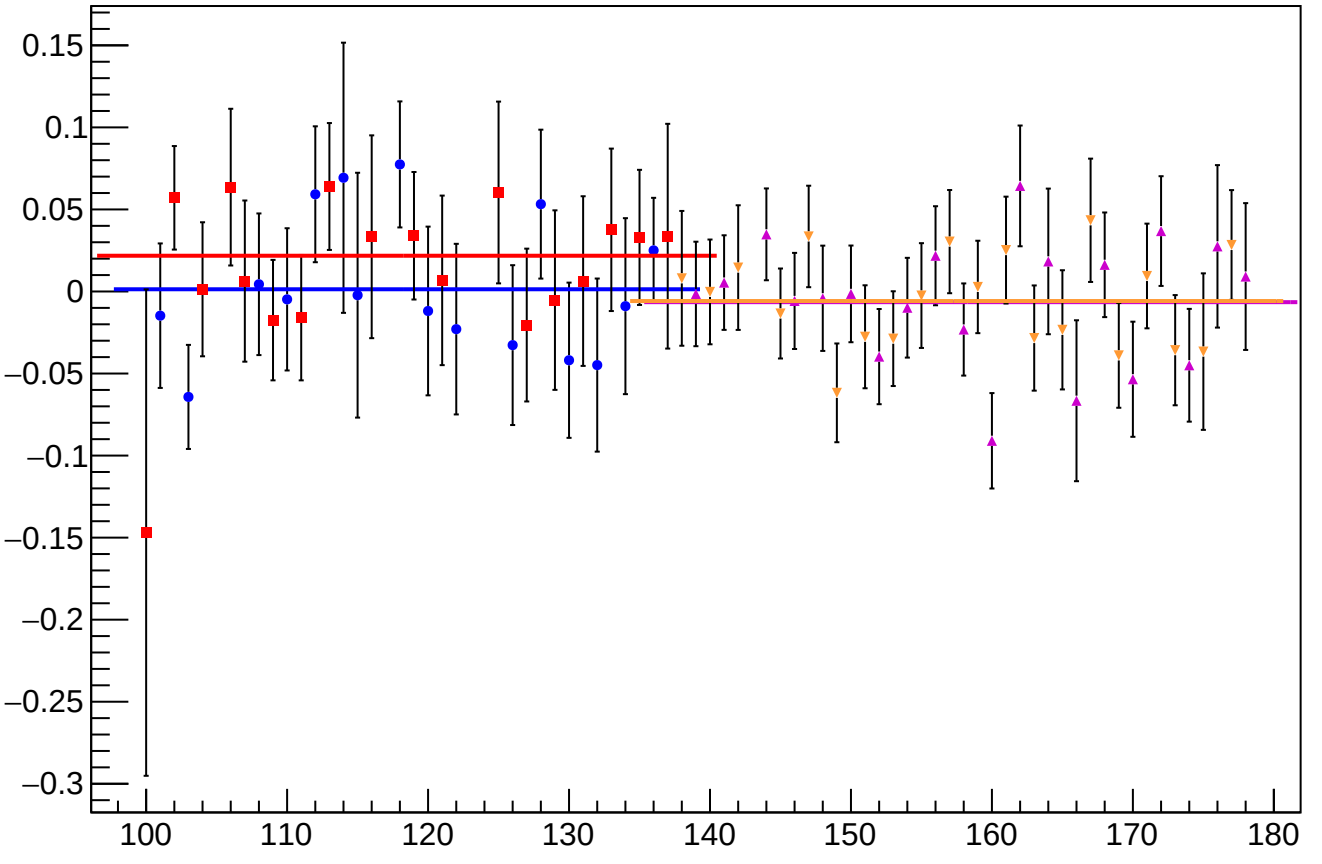
Right Out: 28.140+/-0.008 χ^2/NDF: 187103.8/17

Left In: 28.398+/-0.005 χ^2/NDF:385294.7/19

+ sign 28.151+/-0.004 χ^2/NDF: 622901.6/35

All: 28.235+/-0.003 χ^2/NDF: 1196826.5/73

- sign 28.317+/-0.004 χ^2/NDF: 573182.1/37



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

Left Out: -0.006+/-0.007 χ^2/NDF:15.0/19

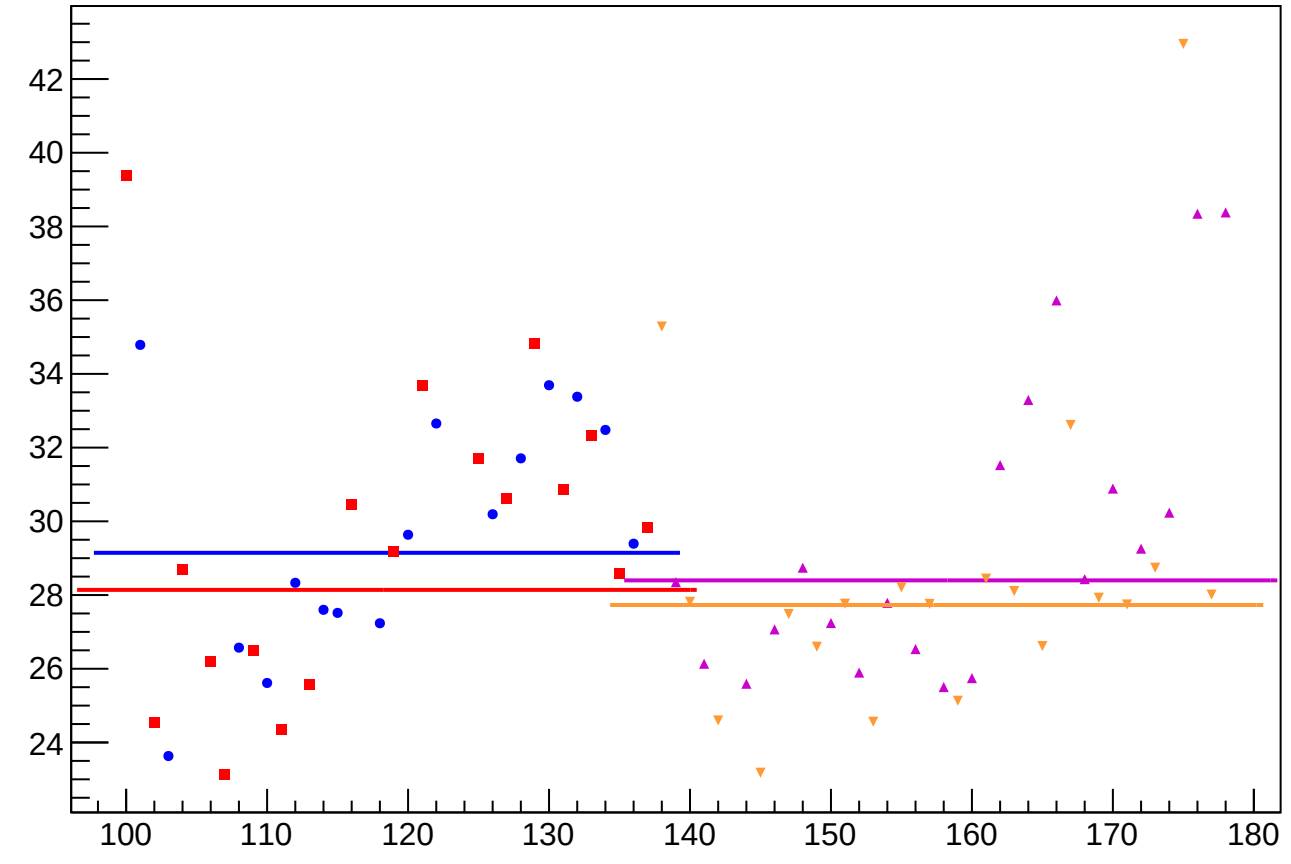
Right Out: 0.022+/-0.011 χ^2/NDF: 9.0/17

Left In: -0.007+/-0.007 χ^2/NDF:24.8/19

+ sign -0.004+/-0.006 χ^2/NDF: 30.6/35

All: -0.001+/-0.004 χ^2/NDF: 69.6/73

- sign 0.002+/-0.006 χ^2/NDF: 38.5/37



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

Left Out: 27.730+/-0.005 χ^2/NDF:423603.3/19

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

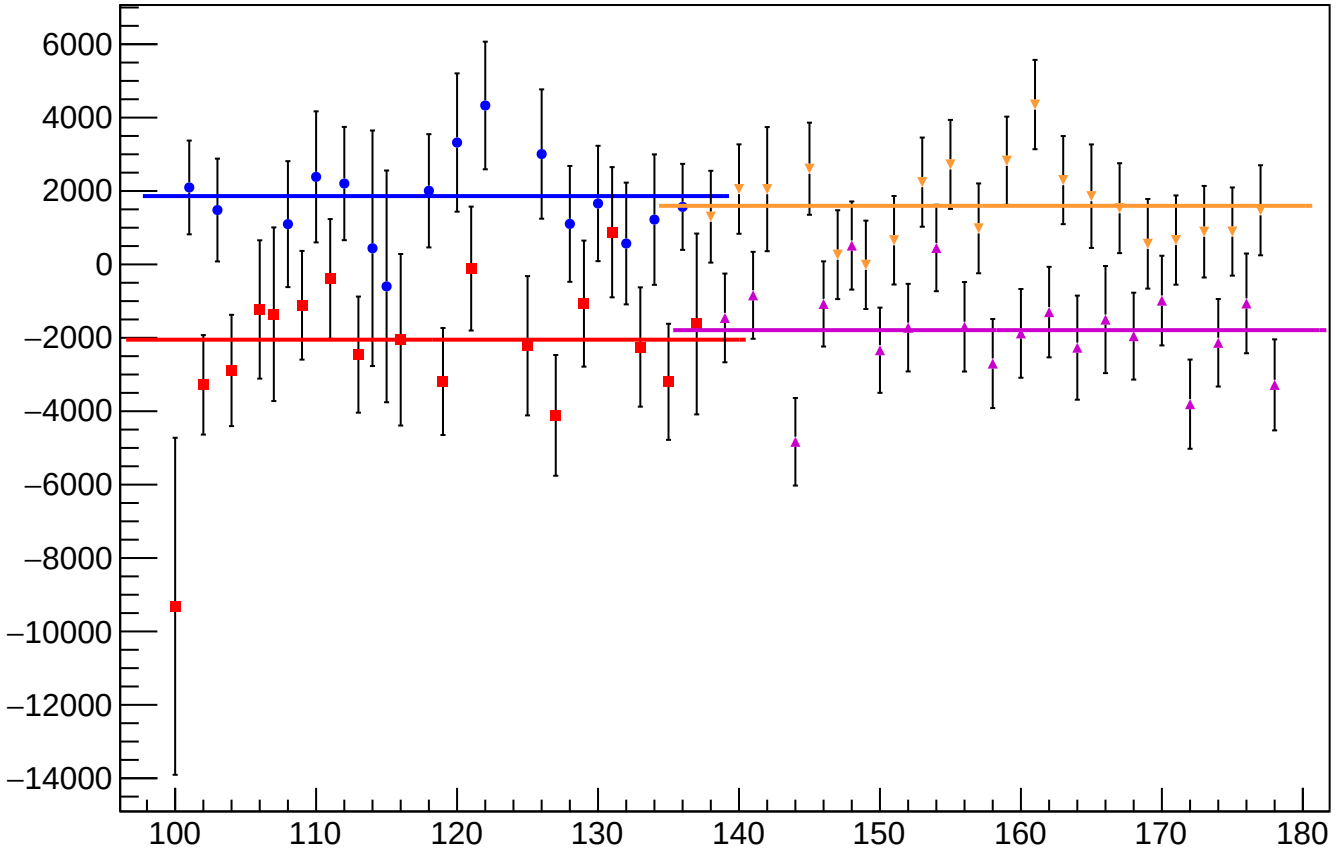
Left In: 28.398+/-0.005 χ^2/NDF:385294.7/19

+ sign 28.151+/-0.004 χ^2/NDF: 622901.6/35

All: 28.235+/-0.003 χ^2/NDF: 1196826.5/73

- sign 28.317+/-0.004 χ^2/NDF: 573182.1/37

reg_asym_usl_mean vs Slug



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

Left Out: 1596.207+/-277.764 χ^2/NDF:14.5/19

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

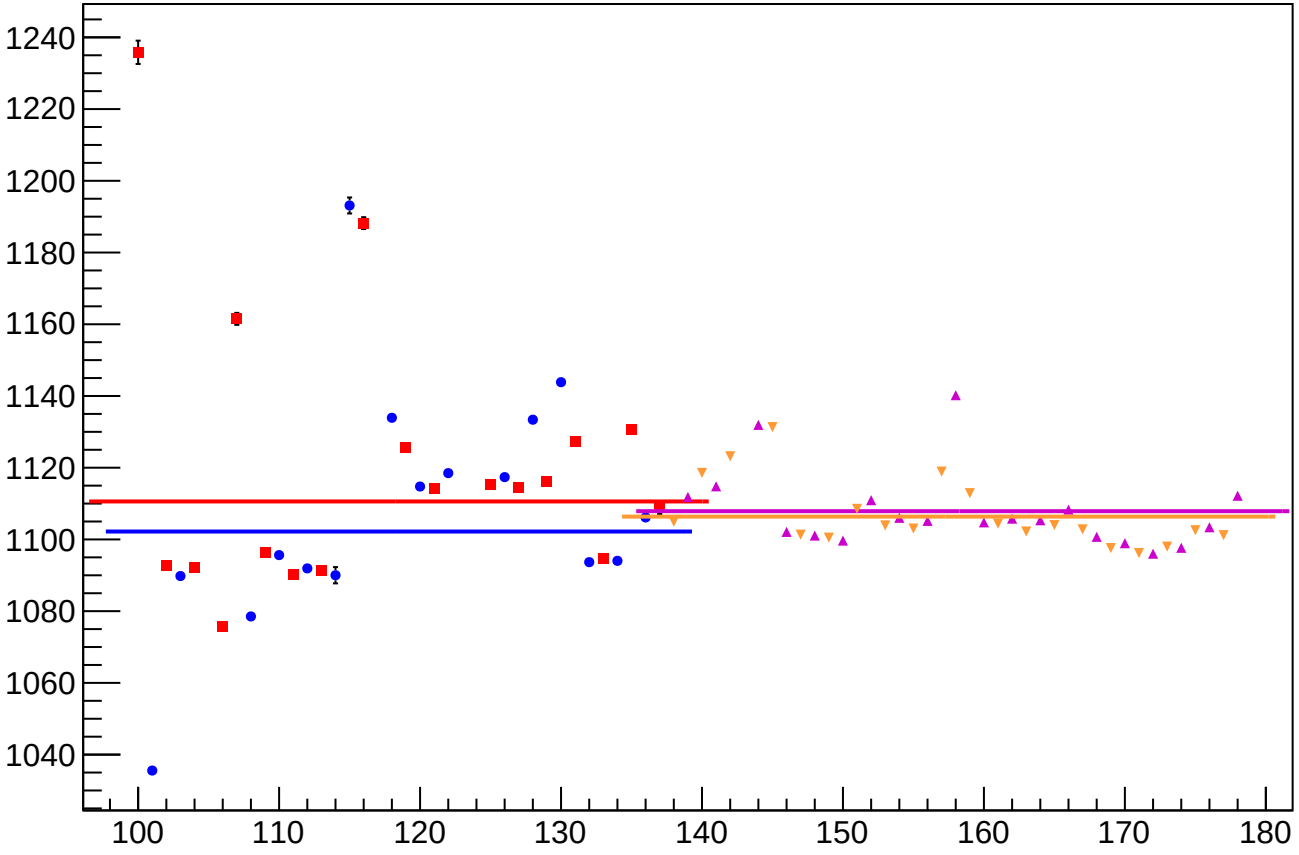
Left In: -1790.956+/-274.038 χ^2/NDF:21.0/19

+ sign 1679.805+/-229.876 χ^2/NDF: 20.1/35

All: -112.663+/-161.773 χ^2/NDF: 174.4/73

- sign -1871.410+/-227.703 χ^2/NDF: 33.8/37

reg_asym_usl_rms vs Slug



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

Left Out: 1106.365+/-0.196 χ^2/NDF:2012.5/19

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

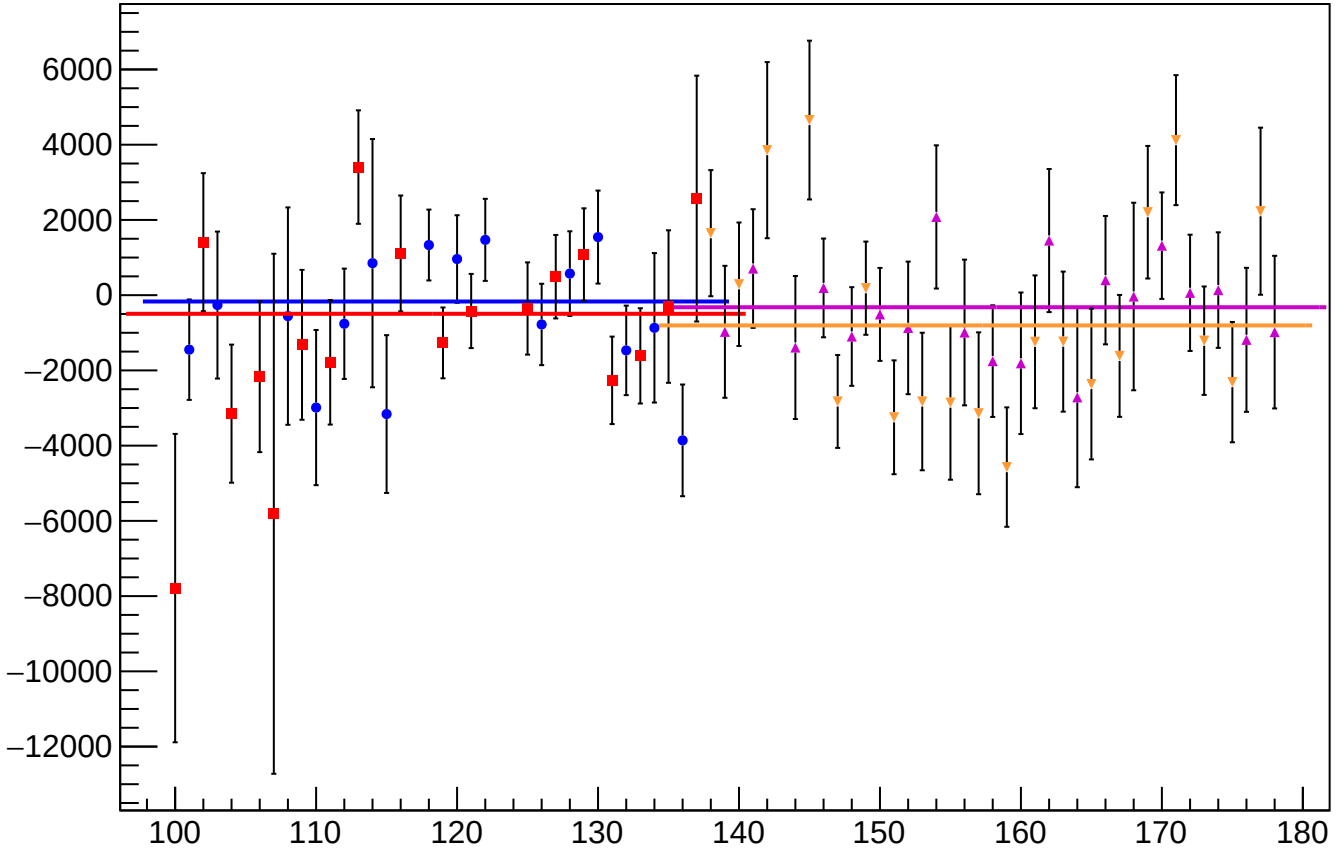
Left In: 1107.879+/-0.194 χ^2/NDF:3152.9/19

+ sign 1105.054+/-0.163 χ^2/NDF: 13502.8/35

All: 1106.904+/-0.114 χ^2/NDF: 24668.9/73

- sign 1108.719+/-0.161 χ^2/NDF: 10909.7/37

asym_usl_reg_correction_mean vs Slug



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

Left Out: -803.898+/-377.988 χ^2/NDF:43.0/19

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

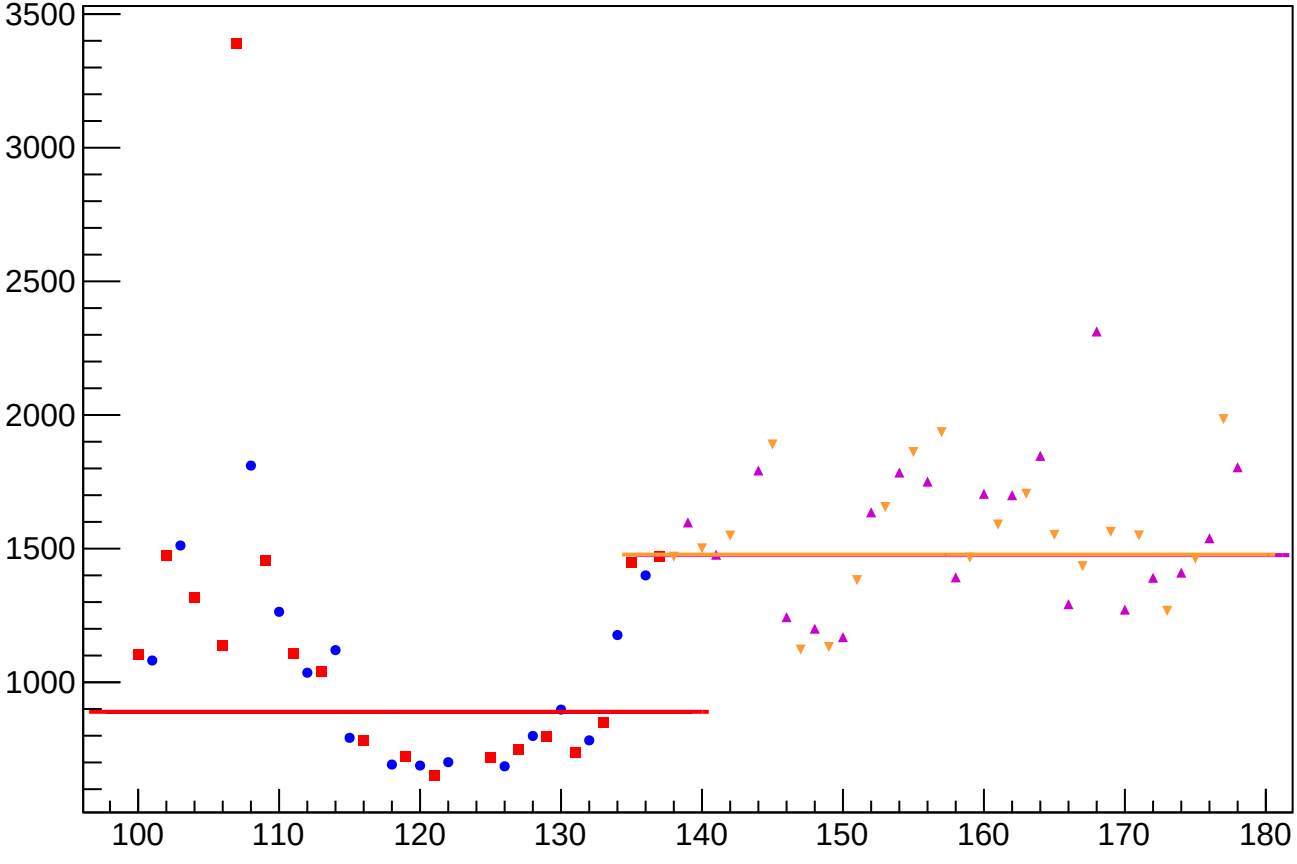
Left In: -320.949+/-371.769 χ^2/NDF:8.6/19

\+ sign -457.339+/-254.995 χ^2/NDF: 65.6/35

All: -435.766+/-179.566 χ^2/NDF: 97.6/73

\- sign -414.545+/-252.908 χ^2/NDF: 32.0/37

asym_usl_reg_correction_rms vs Slug



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

Left Out: 1477.742+/-0.267 χ^2/NDF:784822.7/19

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

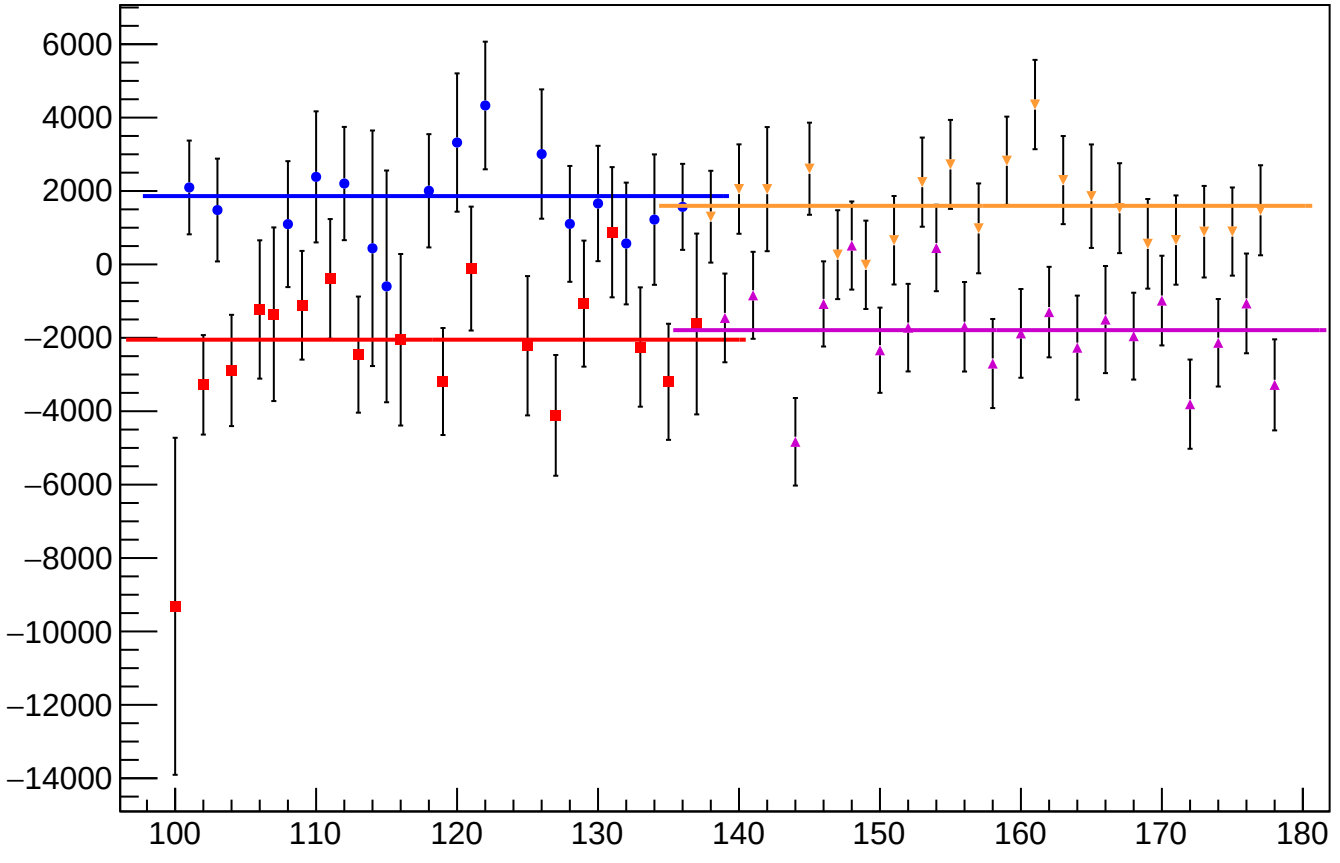
Left In: 1475.837+/-0.263 χ^2/NDF:915251.9/19

+ sign 1156.914+/-0.180 χ^2/NDF: 4561858.7/35

All: 1158.891+/-0.127 χ^2/NDF: 9495864.6/73

- sign 1160.835+/-0.179 χ^2/NDF: 4933767.4/37

cor_asym_usl_mean vs Slug



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

Left Out: 1596.207+/-277.764 χ^2/NDF:14.5/19

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

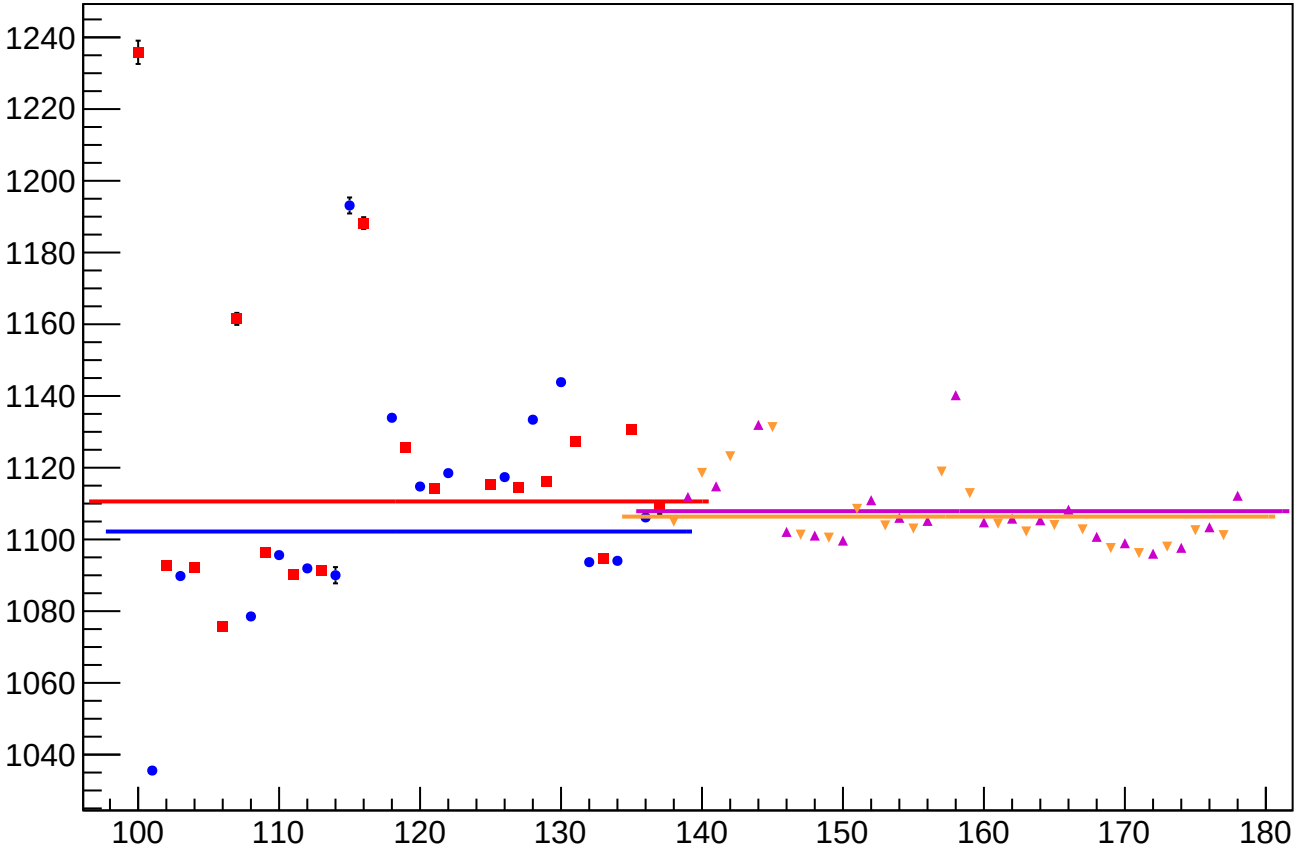
Left In: -1790.956+/-274.038 χ^2/NDF:21.0/19

+ sign 1679.805+/-229.876 χ^2/NDF: 20.1/35

All: -112.663+/-161.773 χ^2/NDF: 174.4/73

- sign -1871.410+/-227.703 χ^2/NDF: 33.8/37

cor_asym_usl_rms vs Slug



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

Left Out: 1106.365+/-0.196 χ^2/NDF:2012.5/19

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

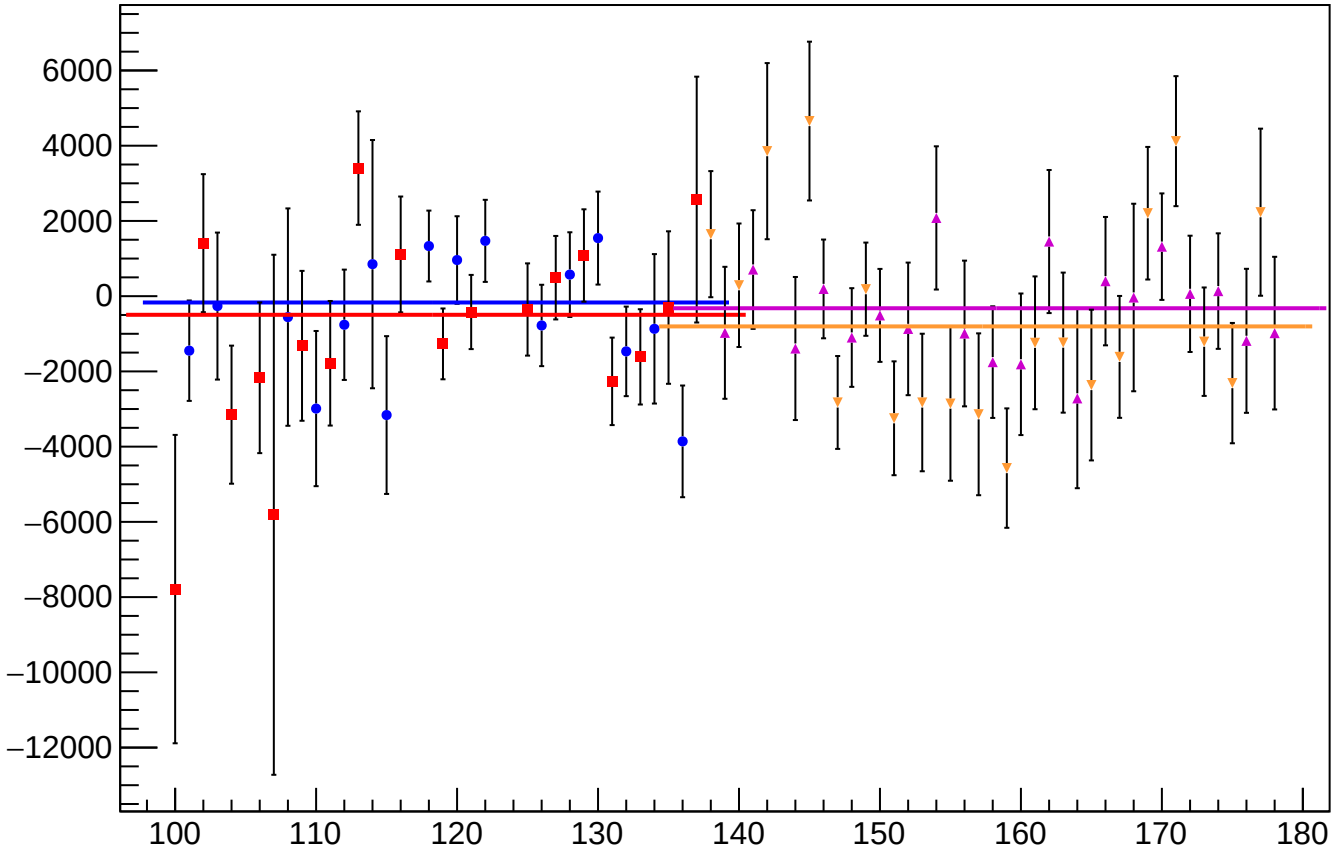
Left In: 1107.879+/-0.194 χ^2/NDF:3152.9/19

+ sign 1105.054+/-0.163 χ^2/NDF: 13502.8/35

All: 1106.904+/-0.114 χ^2/NDF: 24668.9/73

- sign 1108.719+/-0.161 χ^2/NDF: 10909.7/37

asym_usl_cor_correction_mean vs Slug



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

Left Out: -803.898+/-377.988 χ^2/NDF:43.0/19

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

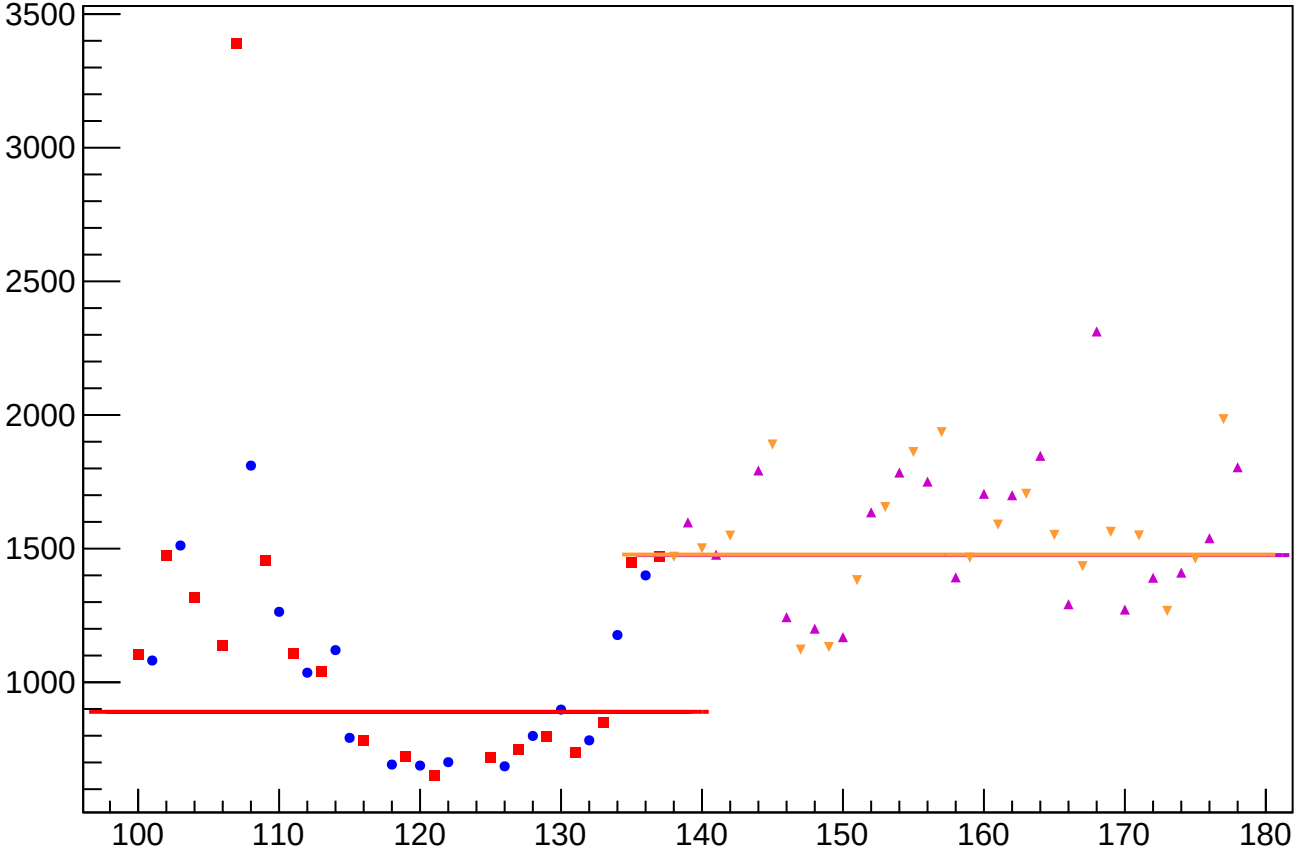
Left In: -320.949+/-371.769 χ^2/NDF:8.6/19

\+ sign -457.339+/-254.995 χ^2/NDF: 65.6/35

All: -435.766+/-179.566 χ^2/NDF: 97.6/73

\- sign -414.545+/-252.908 χ^2/NDF: 32.0/37

asym_usl_cor_correction_rms vs Slug



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

Left Out: 1477.742+/-0.267 χ^2/NDF:784822.7/19

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

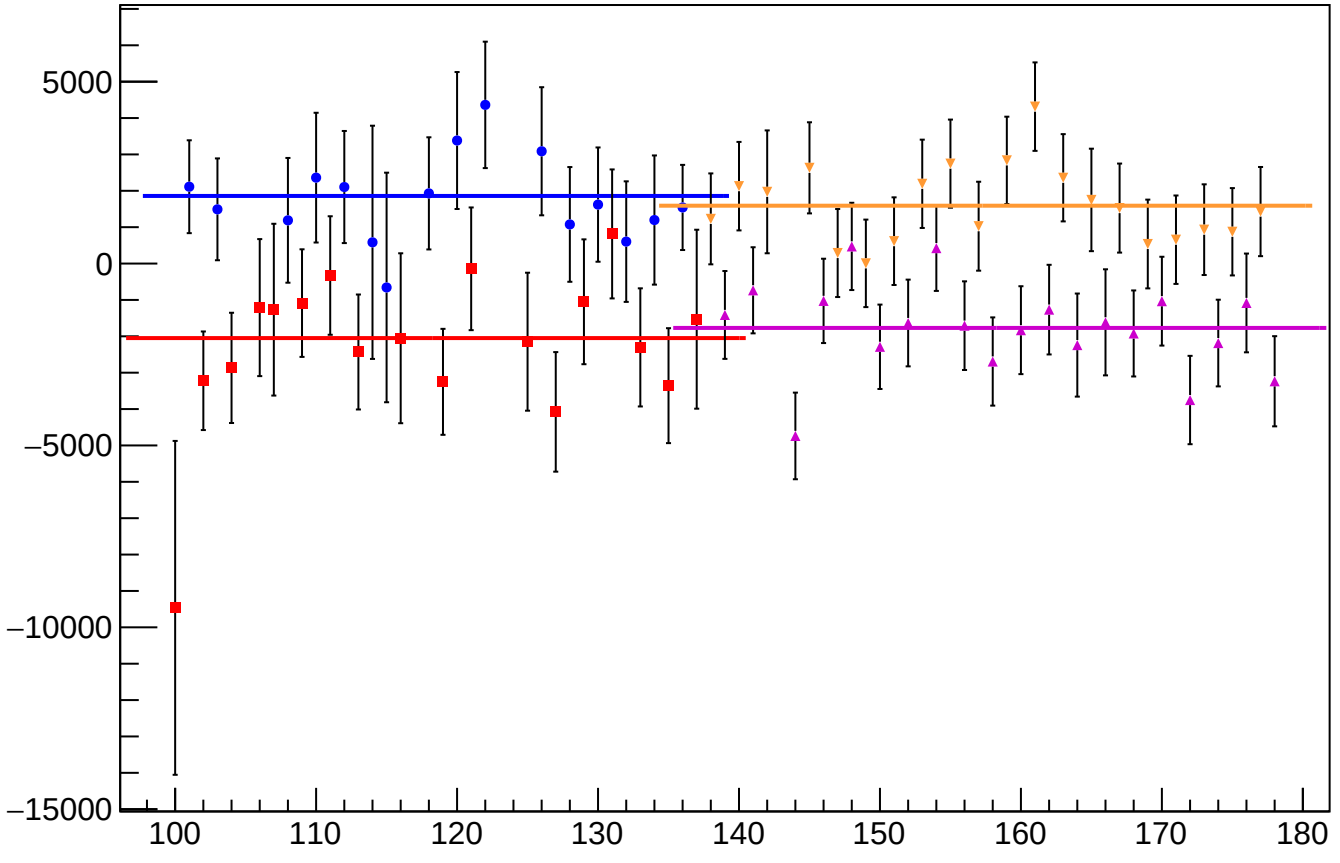
Left In: 1475.837+/-0.263 χ^2/NDF:915251.9/19

+ sign 1156.914+/-0.180 χ^2/NDF: 4561858.7/35

All: 1158.891+/-0.127 χ^2/NDF: 9495864.6/73

- sign 1160.835+/-0.179 χ^2/NDF: 4933767.4/37

overload_cor_asym_usl_mean vs Slug



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

Left Out: 1590.412+/-277.495 χ^2/NDF:14.4/19

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

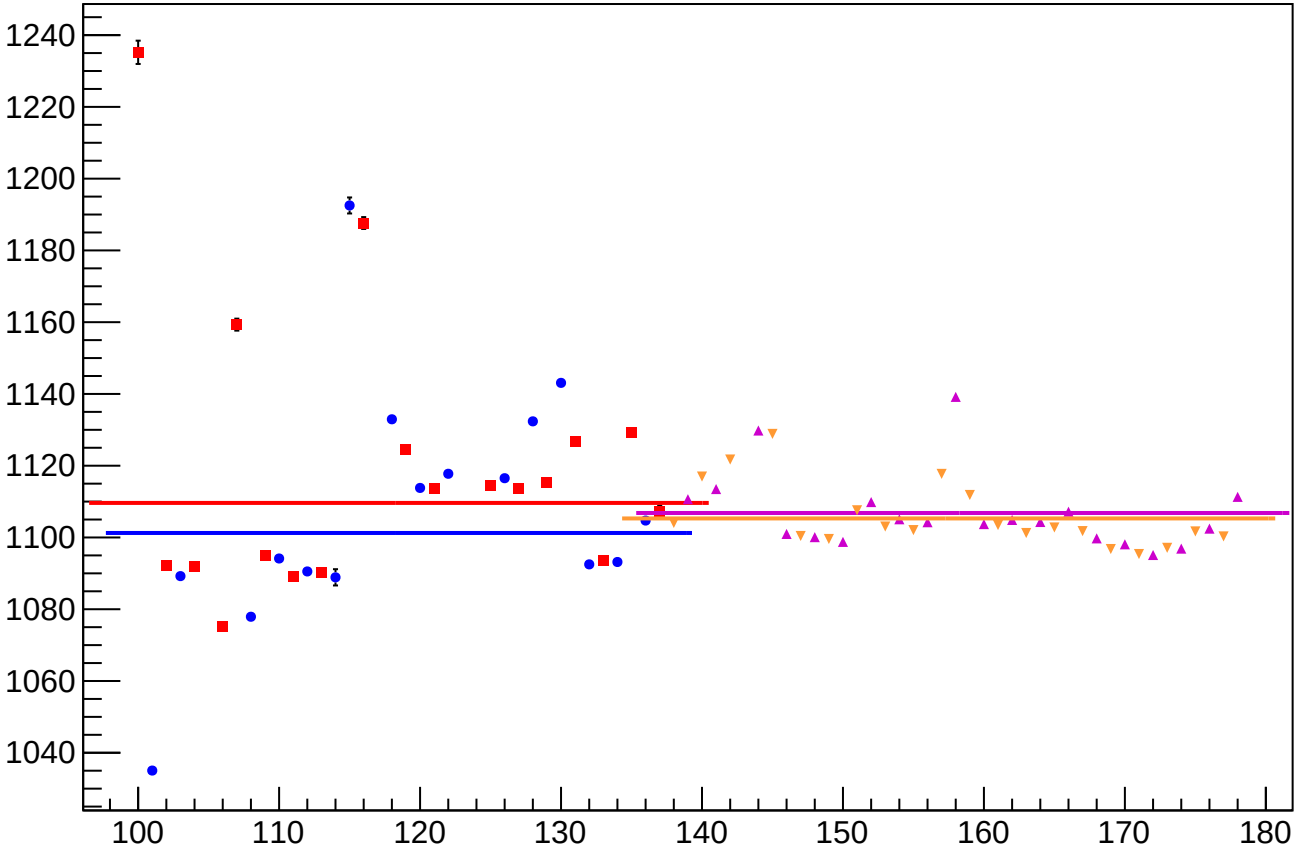
Left In: -1769.502+/-273.776 χ^2/NDF:20.4/19

+ sign 1674.928+/-229.661 χ^2/NDF: 20.2/35

All: -107.246+/-161.623 χ^2/NDF: 172.9/73

- sign -1855.916+/-227.492 χ^2/NDF: 33.4/37

overload_cor_asym_usl_rms vs Slug



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

Left Out: 1105.302+/-0.196 χ^2/NDF:1874.4/19

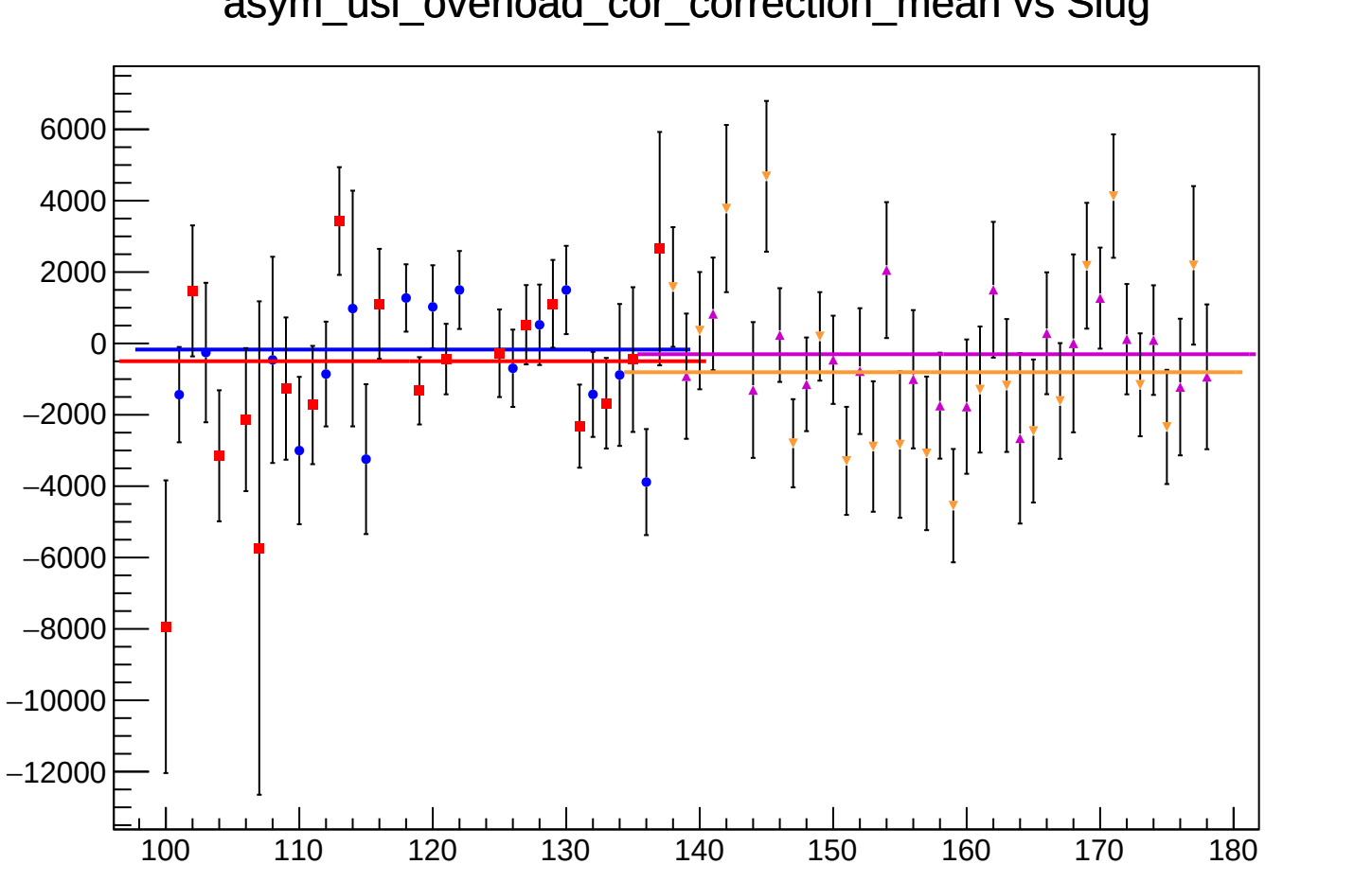
Right Out: 1109.629+/-0.289 χ^2/NDF: 7673.1/17

Left In: 1106.824+/-0.194 χ^2/NDF:3059.5/19

+ sign 1104.027+/-0.162 χ^2/NDF: 13316.7/35

All: 1105.877+/-0.114 χ^2/NDF: 24371.4/73

- sign 1107.692+/-0.161 χ^2/NDF: 10797.5/37



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

Left Out: -806.075+/-378.199 χ^2/NDF:42.8/19

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

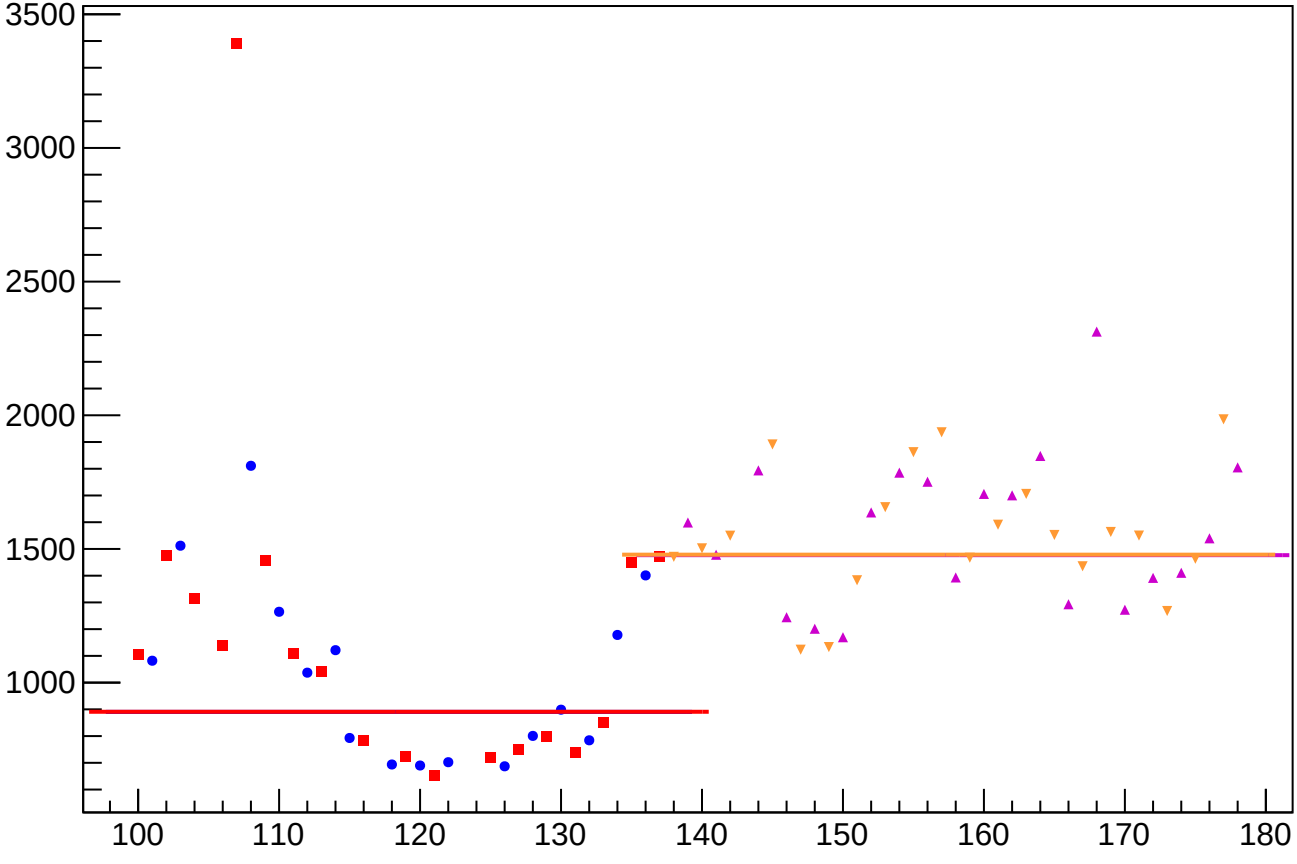
Left In: -302.435+/-371.978 χ^2/NDF:8.5/19

+ sign -460.301+/-255.277 χ^2/NDF: 65.3/35

All: -433.623+/-179.760 χ^2/NDF: 97.9/73

- sign -407.383+/-253.175 χ^2/NDF: 32.6/37

asym_usl_overload_cor_correction_rms vs Slug



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

Left Out: 1478.612+/-0.267 χ^2/NDF:783584.6/19

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

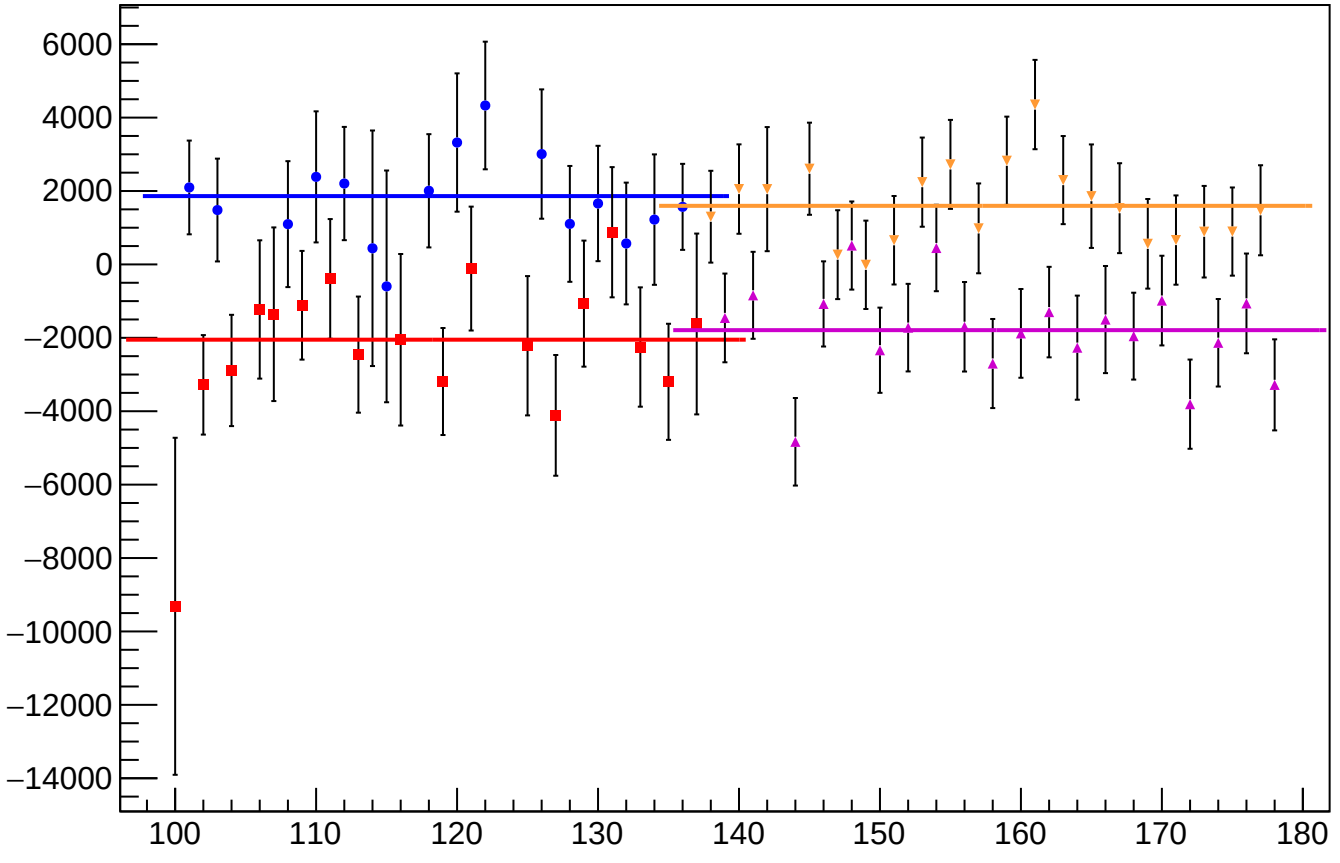
Left In: 1476.708+/-0.263 χ^2/NDF:913851.3/19

+ sign 1158.440+/-0.181 χ^2/NDF: 4545237.9/35

All: 1160.381+/-0.127 χ^2/NDF: 9463252.1/73

- sign 1162.290+/-0.179 χ^2/NDF: 4917784.8/37

eigen_cor_asym_usl_mean vs Slug



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

Left Out: 1596.207+/-277.764 χ^2/NDF:14.5/19

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

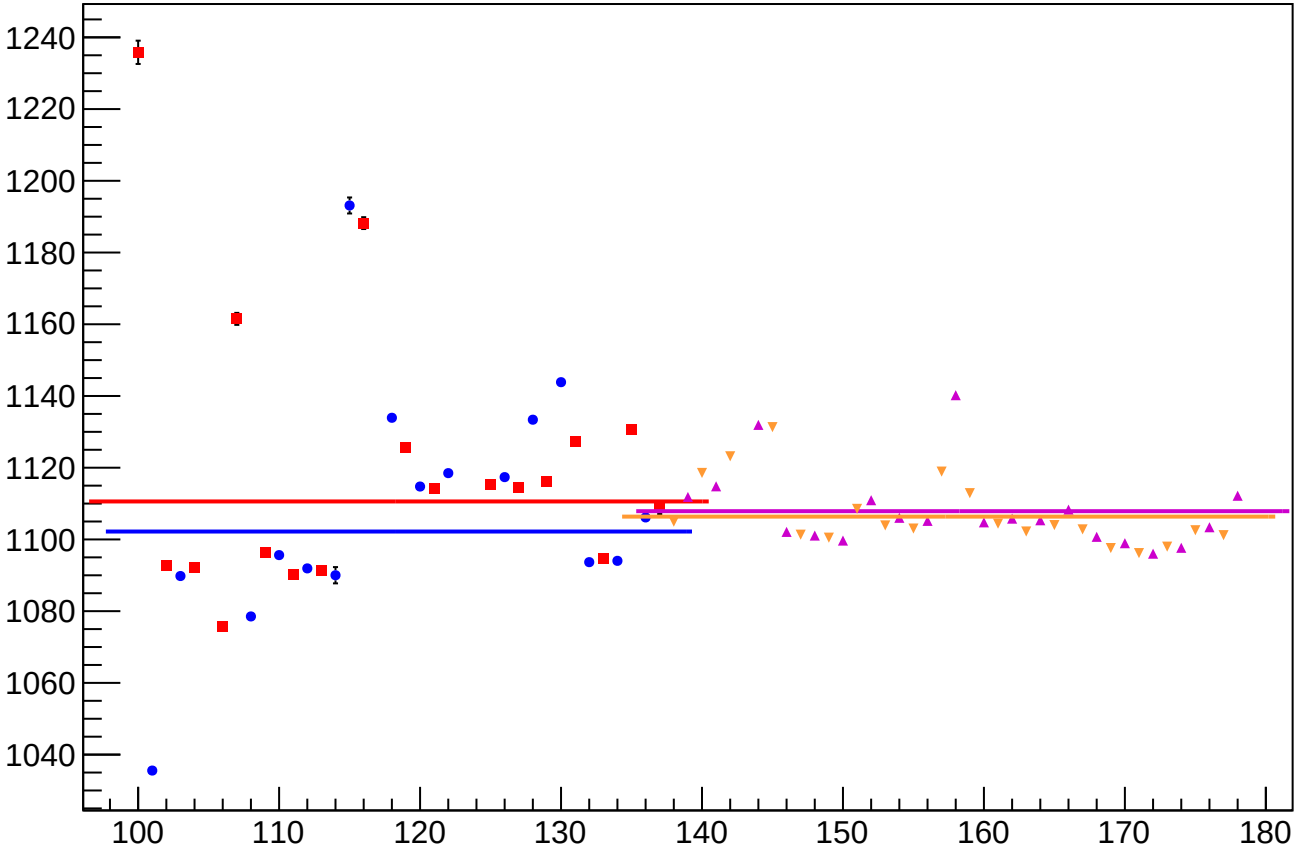
Left In: -1790.956+/-274.038 χ^2/NDF:21.0/19

+ sign 1679.805+/-229.876 χ^2/NDF: 20.1/35

All: -112.663+/-161.773 χ^2/NDF: 174.4/73

- sign -1871.410+/-227.703 χ^2/NDF: 33.8/37

eigen_cor_asym_usl_rms vs Slug



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

Left Out: 1106.365+/-0.196 χ^2/NDF:2012.5/19

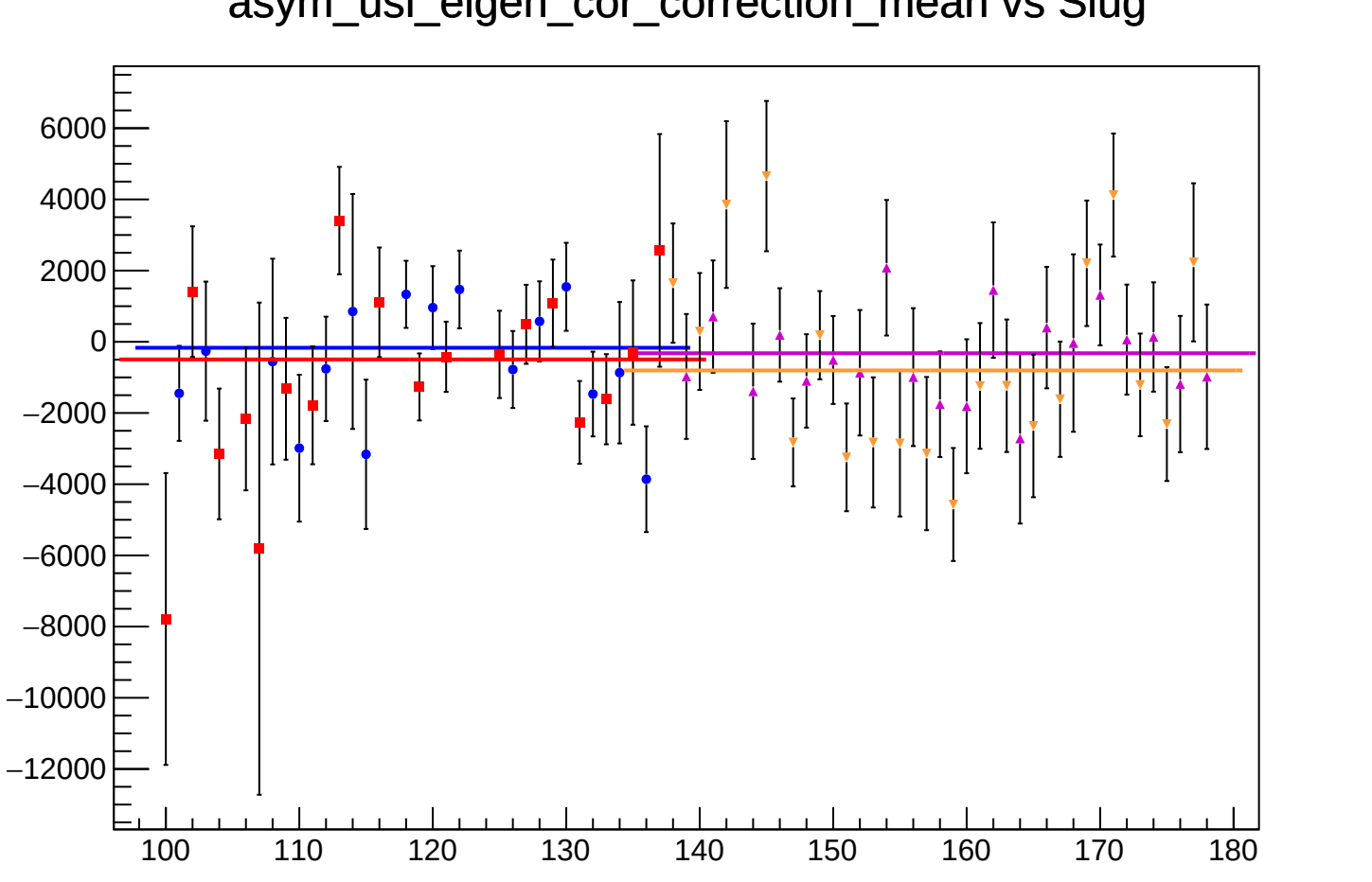
Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

Left In: 1107.879+/-0.194 χ^2/NDF:3152.9/19

+ sign 1105.054+/-0.163 χ^2/NDF: 13502.8/35

All: 1106.904+/-0.114 χ^2/NDF: 24668.9/73

- sign 1108.719+/-0.161 χ^2/NDF: 10909.7/37



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

Left Out: -803.898+/-377.988 χ^2/NDF:43.0/19

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

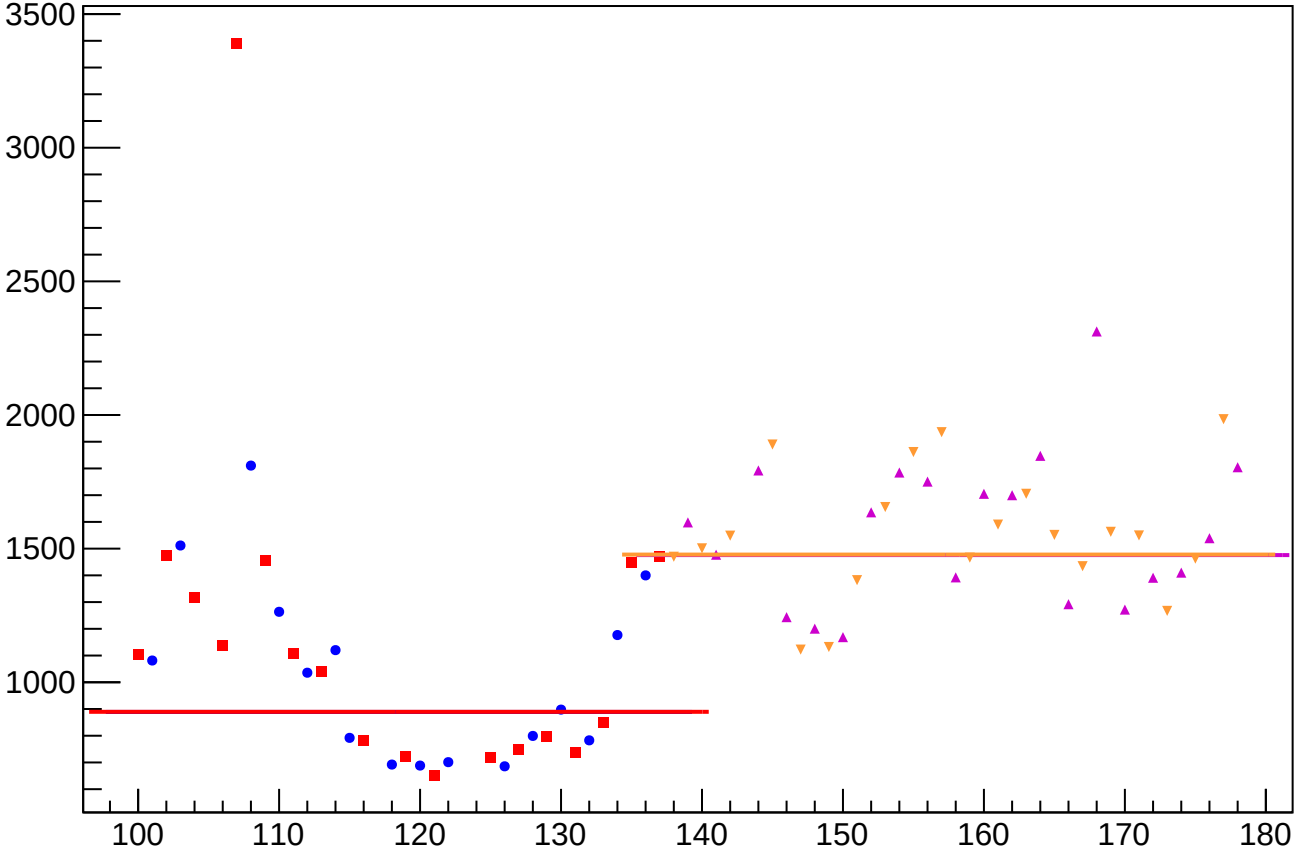
Left In: -320.949+/-371.769 χ^2/NDF:8.6/19

\+ sign -457.339+/-254.995 χ^2/NDF: 65.6/35

All: -435.766+/-179.566 χ^2/NDF: 97.6/73

\- sign -414.545+/-252.908 χ^2/NDF: 32.0/37

asym_usl_eigen_cor_correction_rms vs Slug



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

Left Out: 1477.742+/-0.267 χ^2/NDF:784822.7/19

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

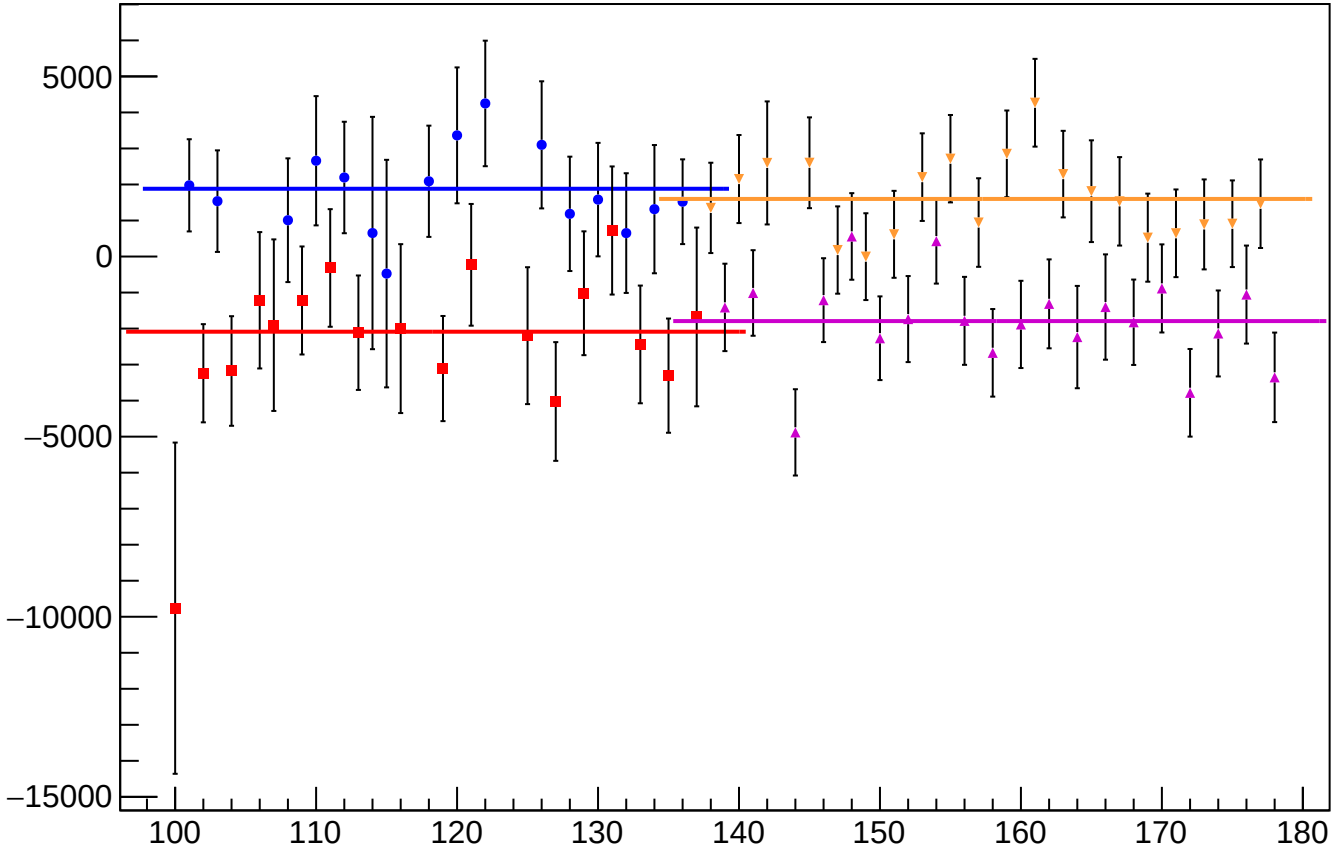
Left In: 1475.837+/-0.263 χ^2/NDF:915251.9/19

+ sign 1156.914+/-0.180 χ^2/NDF: 4561858.7/35

All: 1158.891+/-0.127 χ^2/NDF: 9495864.6/73

- sign 1160.835+/-0.179 χ^2/NDF: 4933767.4/37

dit_asym_usl_mean vs Slug



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

Left Out: 1598.997+/-278.297 χ^2/NDF:14.7/19

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

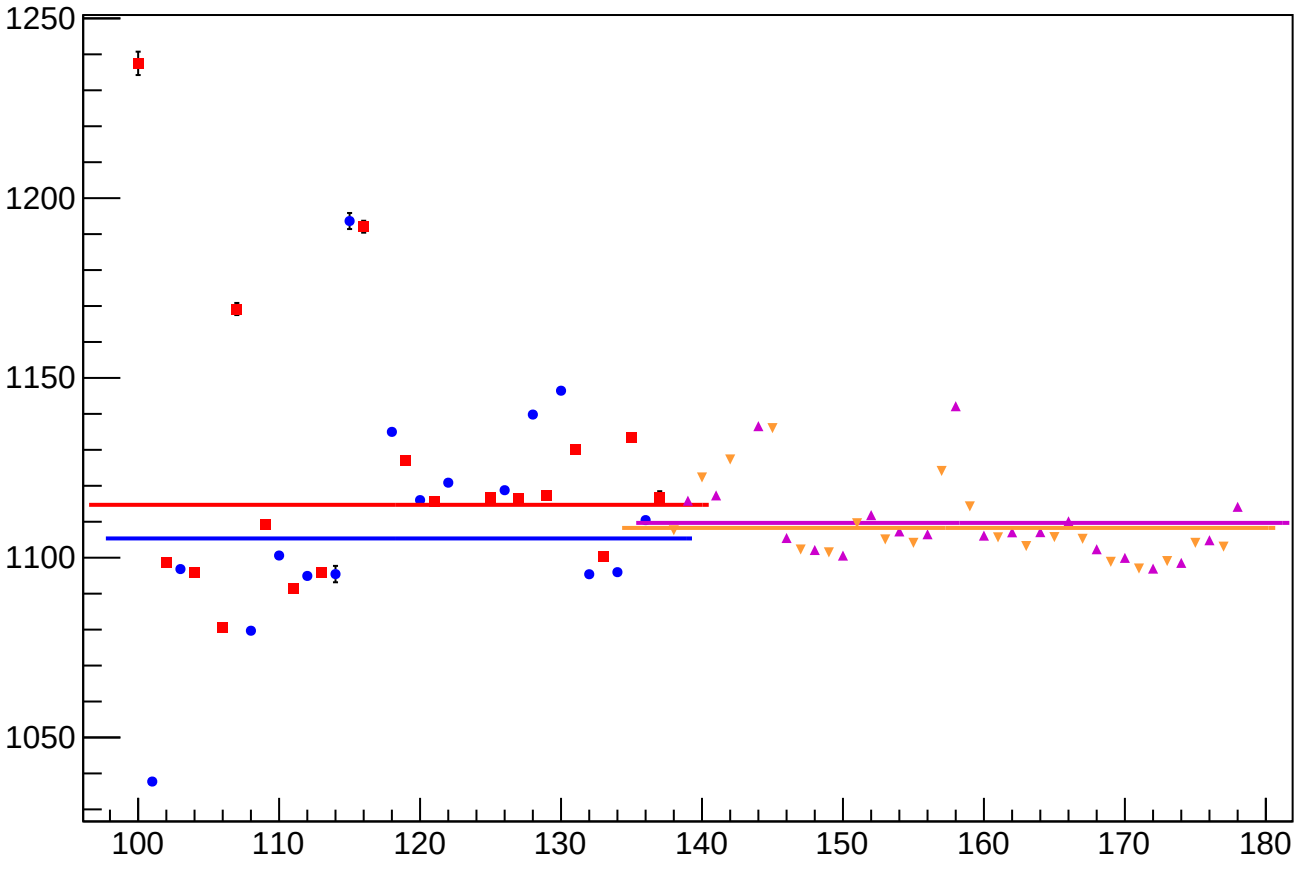
Left In: -1791.906+/-274.489 χ^2/NDF:21.0/19

+ sign 1687.901+/-230.386 χ^2/NDF: 20.2/35

All: -114.346+/-162.139 χ^2/NDF: 175.2/73

- sign -1882.959+/-228.226 χ^2/NDF: 33.7/37

dit_asym_usl_rms vs Slug



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

Left Out: 1108.281+/-0.197 χ^2/NDF:2539.7/19

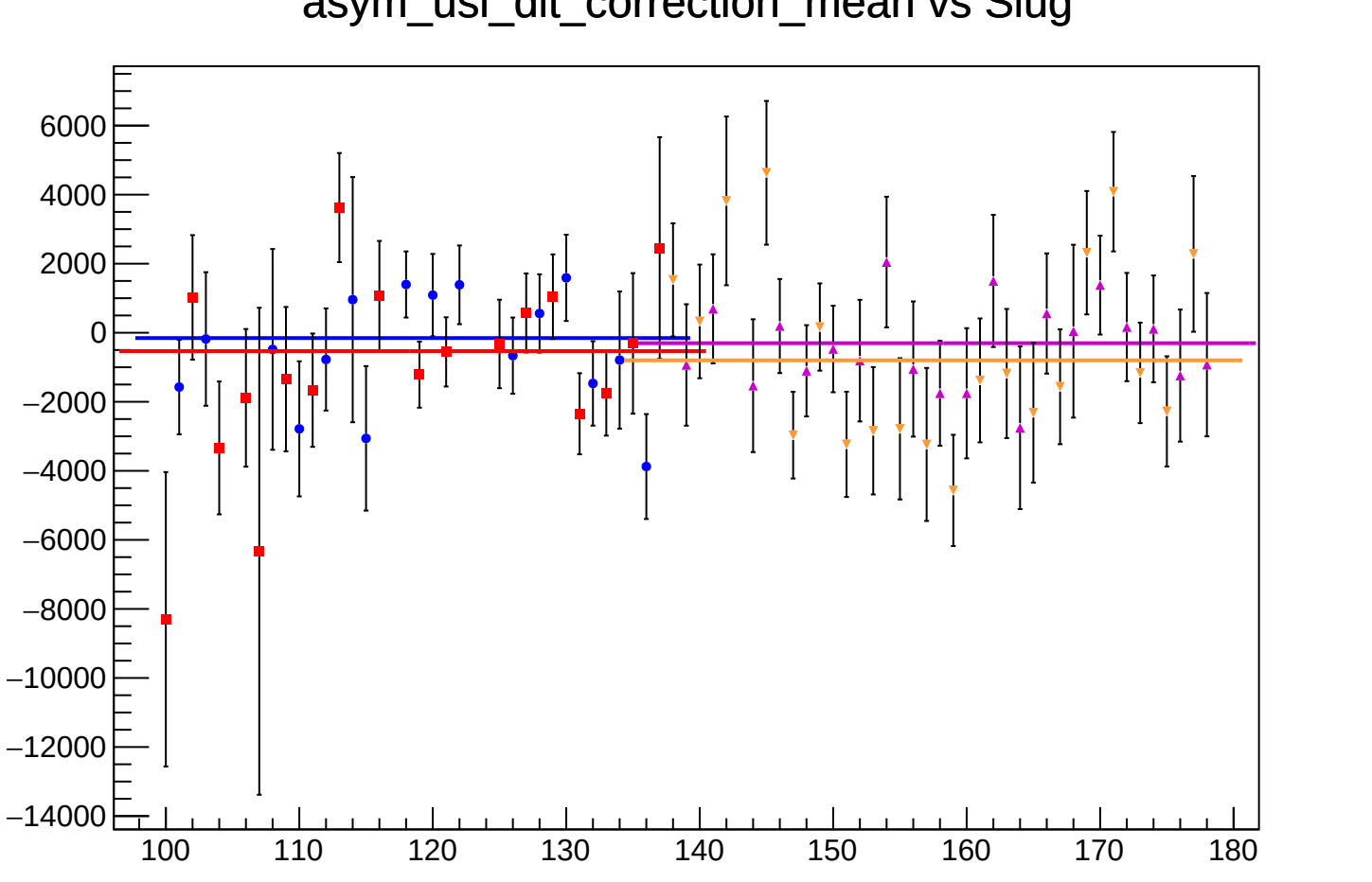
Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.3/17

Left In: 1109.680+/-0.194 χ^2/NDF:3502.5/19

+ sign 1107.360+/-0.163 χ^2/NDF: 13940.1/35

All: 1109.314+/-0.115 χ^2/NDF: 25264.8/73

- sign 1111.231+/-0.161 χ^2/NDF: 11039.7/37



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

Left Out: -799.171+/-381.785 χ^2/NDF:42.5/19

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

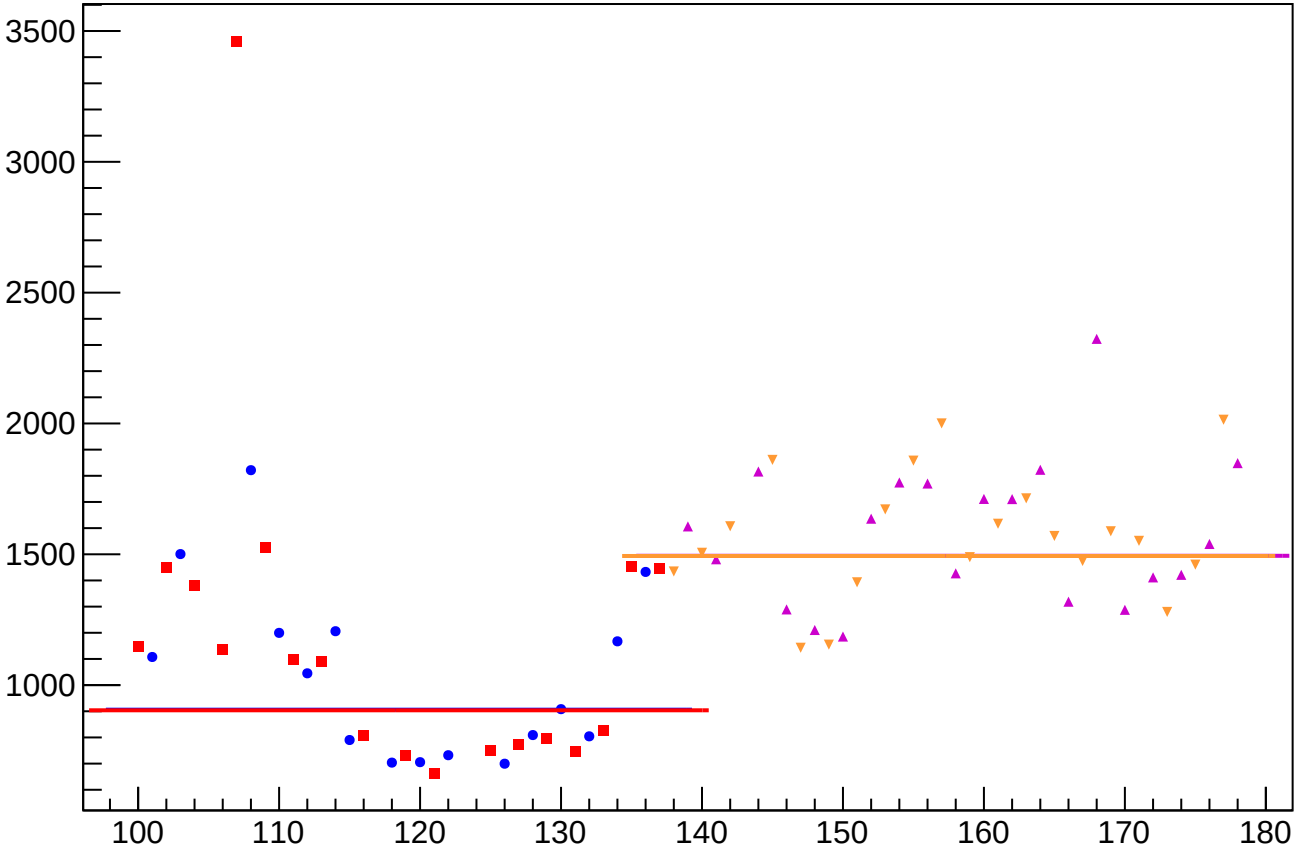
Left In: -302.746+/-375.900 χ^2/NDF:8.8/19

\+ sign -449.818+/-258.520 χ^2/NDF: 64.5/35

All: -437.551+/-182.016 χ^2/NDF: 96.8/73

\- sign -425.493+/-256.314 χ^2/NDF: 32.2/37

asym_usl_dit_correction_rms vs Slug



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

Left Out: 1493.526+/-0.270 χ^2/NDF:762865.4/19

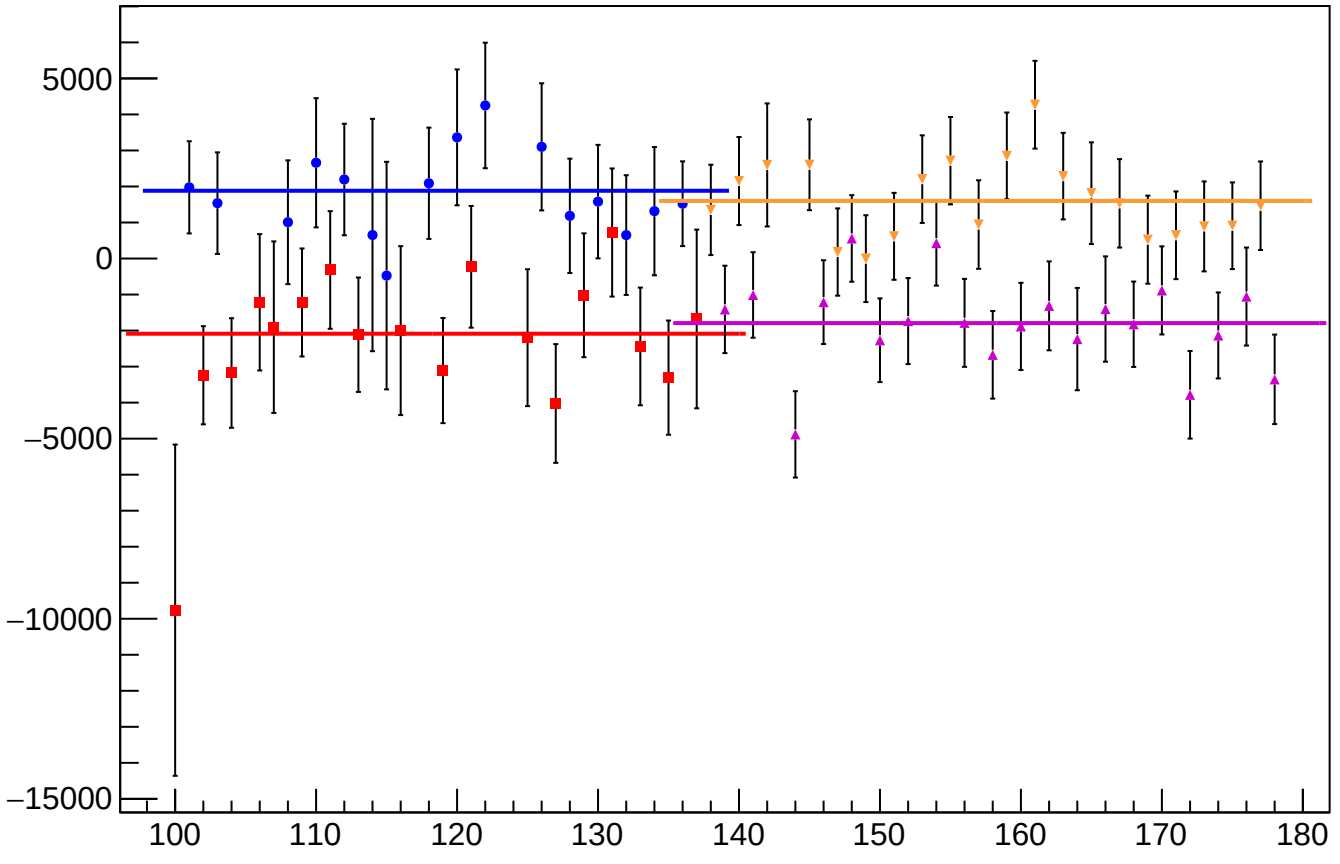
Right Out: 903.753+/-0.248 χ^2/NDF: 1339982.2/17

Left In: 1494.263+/-0.266 χ^2/NDF:865104.3/19

+ sign 1175.407+/-0.183 χ^2/NDF: 4406680.1/35

All: 1176.869+/-0.129 χ^2/NDF: 9252710.1/73

- sign 1178.307+/-0.181 χ^2/NDF: 4845903.0/37



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

Left Out: 1598.993+/-278.297 χ^2/NDF:14.7/19

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

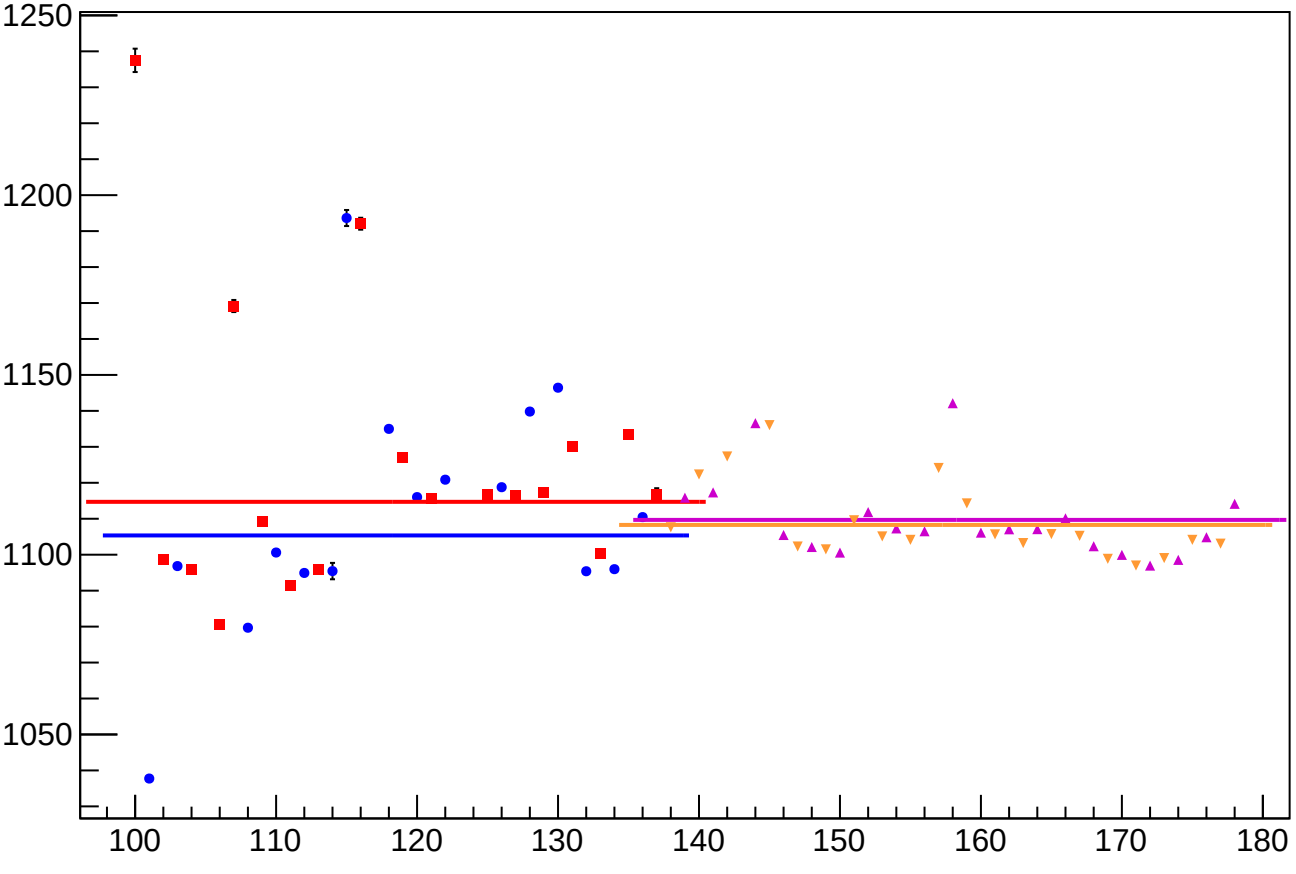
Left In: -1791.908+/-274.489 χ^2/NDF:21.0/19

+ sign 1687.898+/-230.386 χ^2/NDF: 20.2/35

All: -114.348+/-162.139 χ^2/NDF: 175.2/73

- sign -1882.959+/-228.226 χ^2/NDF: 33.7/37

eigen_dit_asym_usl_rms vs Slug



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

Left Out: 1108.281+/-0.197 χ^2/NDF:2539.7/19

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

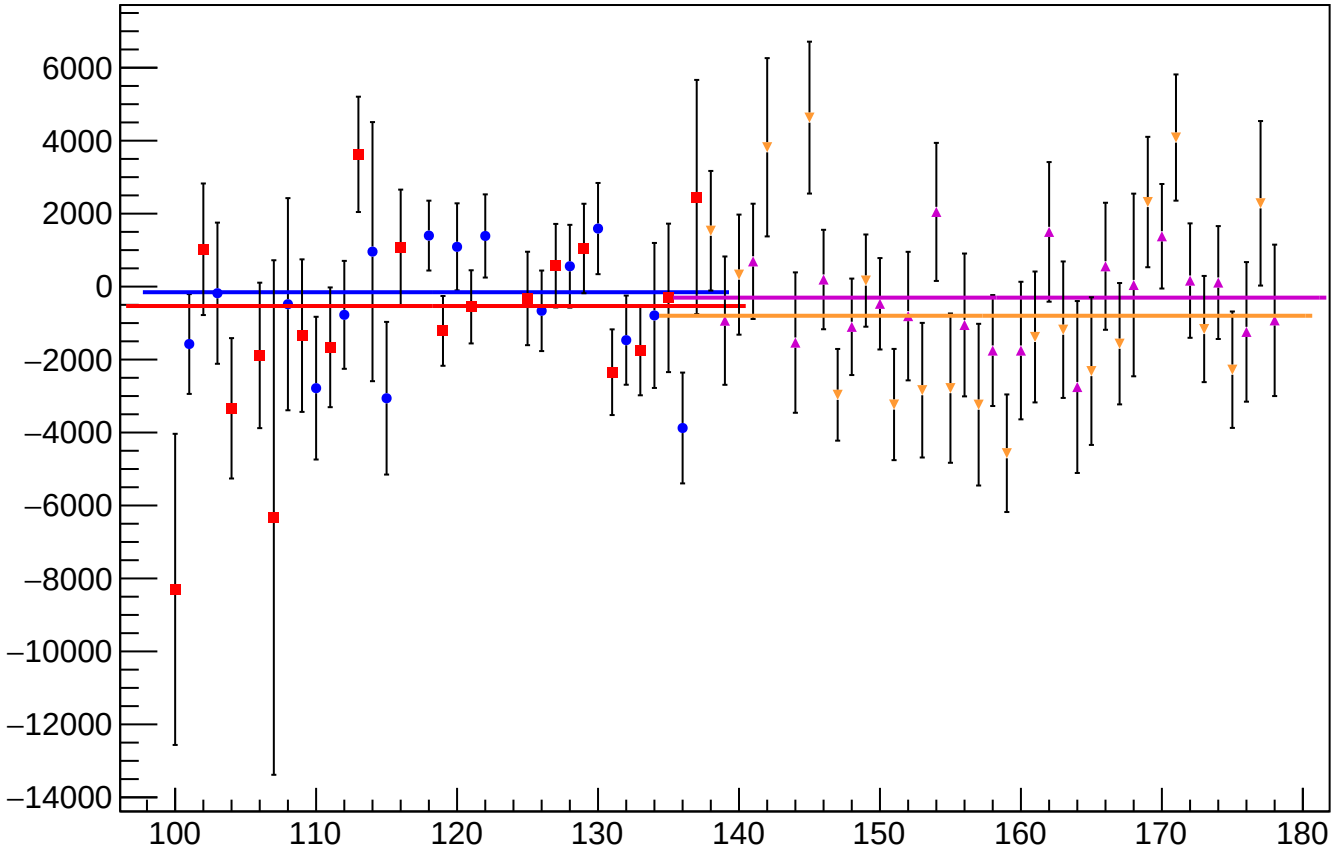
Left In: 1109.680+/-0.194 χ^2/NDF:3502.5/19

+ sign 1107.360+/-0.163 χ^2/NDF: 13940.1/35

All: 1109.314+/-0.115 χ^2/NDF: 25264.7/73

- sign 1111.231+/-0.161 χ^2/NDF: 11039.6/37

asym_usl_eigen_dit_correction_mean vs Slug



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

Left Out: -799.175+/-381.786 χ^2/NDF:42.5/19

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

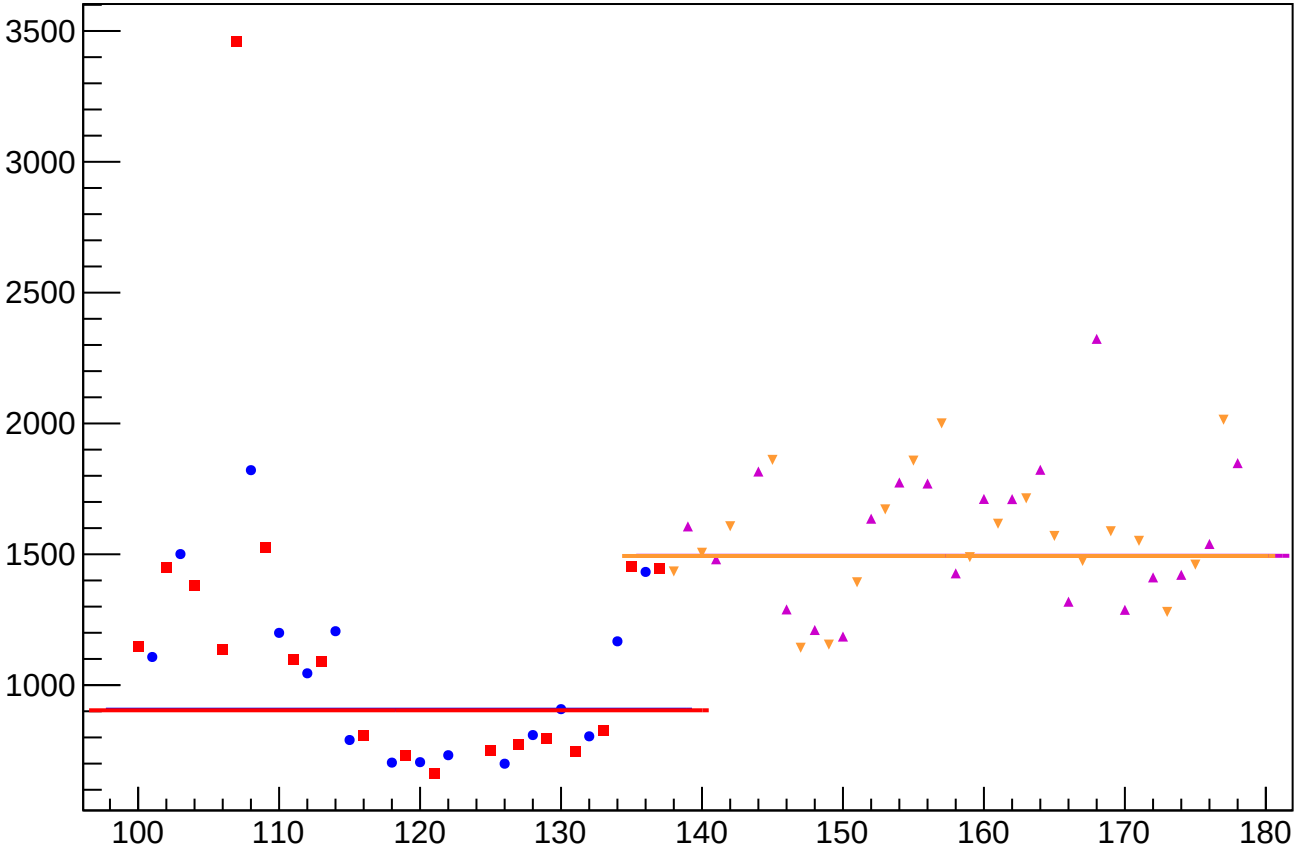
Left In: -302.747+/-375.900 χ^2/NDF:8.8/19

+ sign -449.819+/-258.520 χ^2/NDF: 64.5/35

All: -437.552+/-182.016 χ^2/NDF: 96.8/73

- sign -425.493+/-256.314 χ^2/NDF: 32.2/37

asym_usl_eigen_dit_correction_rms vs Slug



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

Left Out: 1493.528+/-0.270 χ^2/NDF:762861.8/19

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

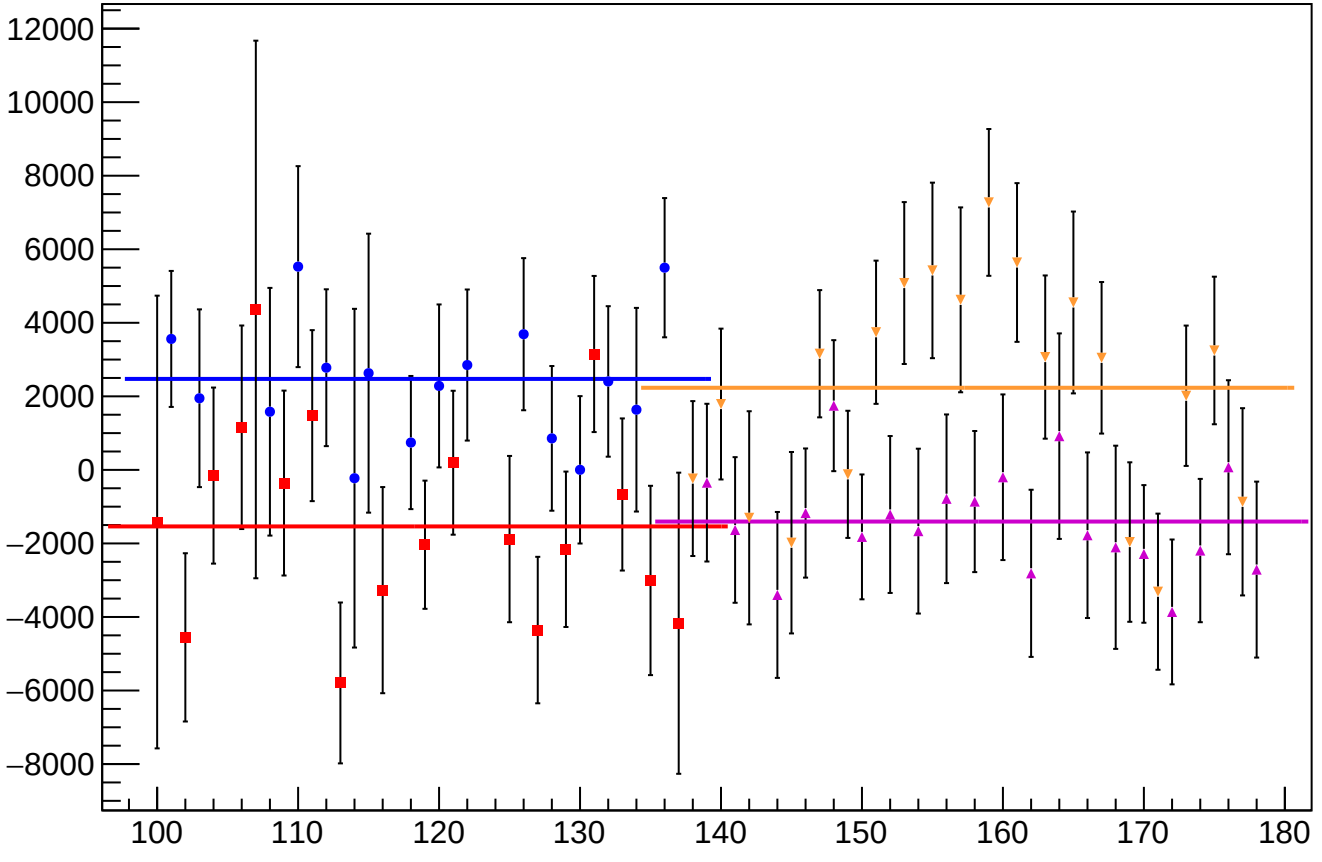
Left In: 1494.264+/-0.266 χ^2/NDF:865100.9/19

+ sign 1175.406+/-0.183 χ^2/NDF: 4406714.5/35

All: 1176.868+/-0.129 χ^2/NDF: 9252779.1/73

- sign 1178.305+/-0.181 χ^2/NDF: 4845937.8/37

asym_usl_mean vs Slug



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

Left Out: 2233.073+/-476.825 χ^2/NDF:35.3/19

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

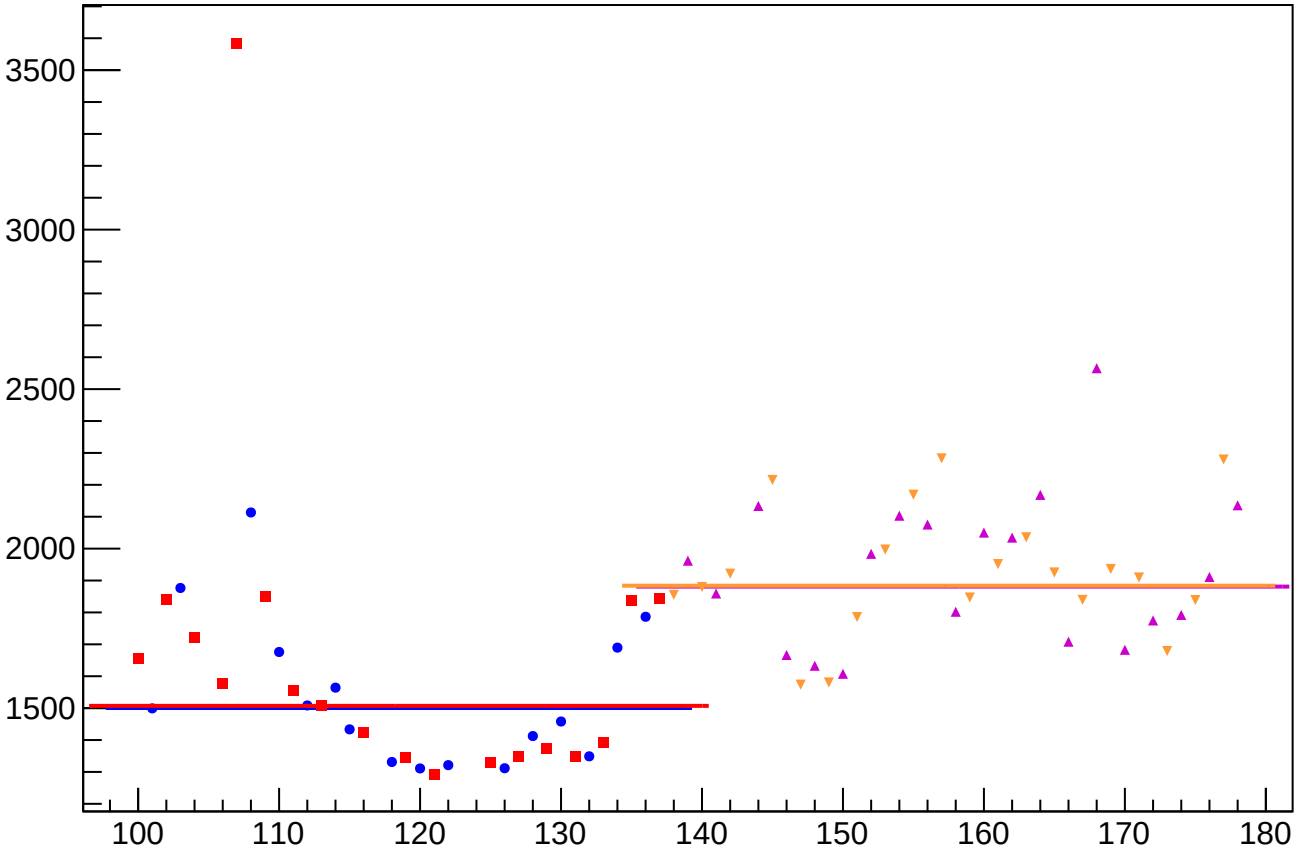
Left In: -1405.134+/-469.195 χ^2/NDF:8.5/19

+ sign 2333.776+/-363.806 χ^2/NDF: 43.6/35

All: 420.359+/-256.103 χ^2/NDF: 125.5/73

- sign -1459.297+/-360.583 χ^2/NDF: 27.0/37

asym_usl_rms vs Slug



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

Left Out: 1883.754+/-0.337 χ^2/NDF:339319.5/19

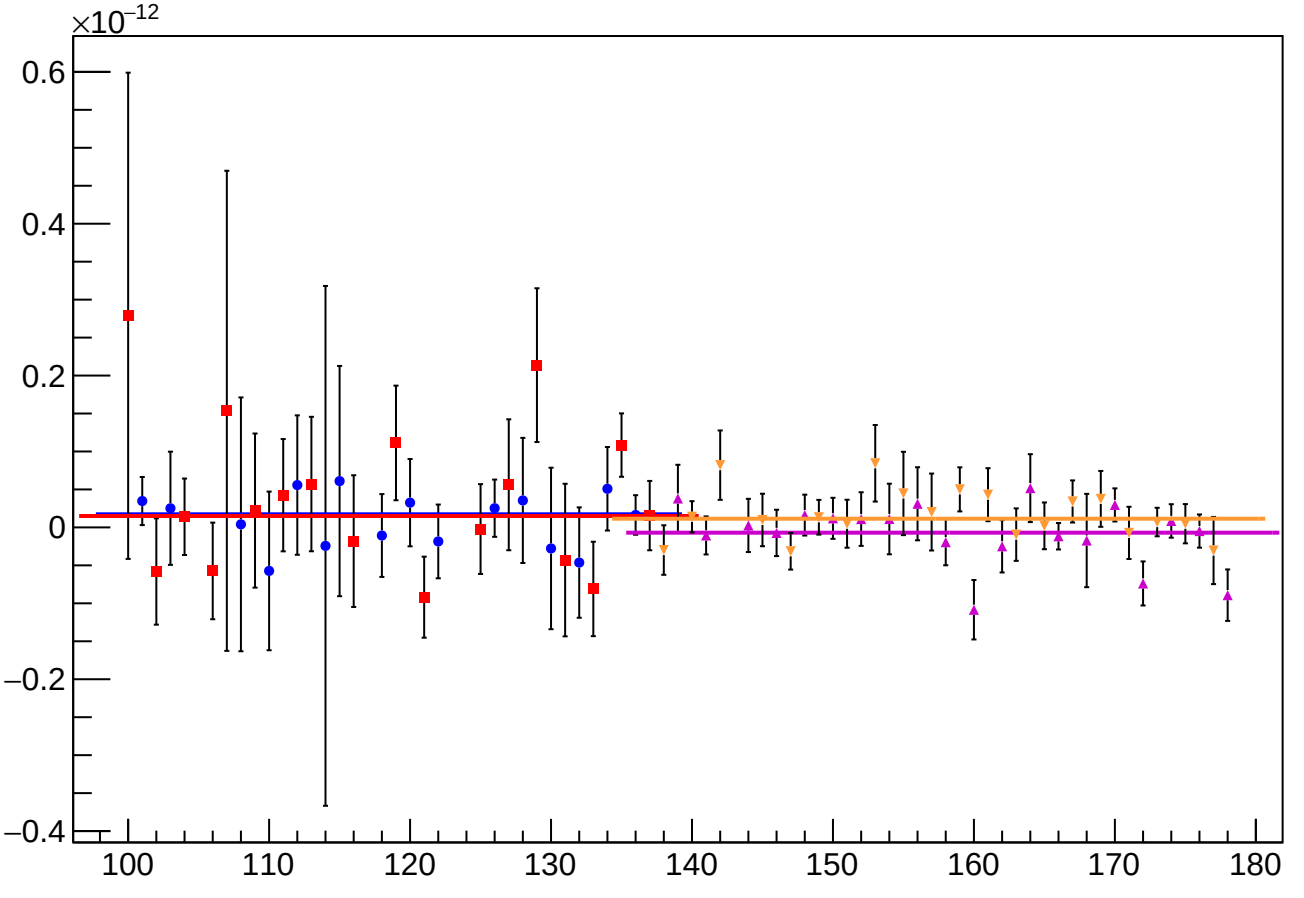
Right Out: 1507.098+/-0.398 χ^2/NDF: 401227.7/17

Left In: 1880.963+/-0.332 χ^2/NDF:422206.5/19

+ sign 1723.553+/-0.257 χ^2/NDF: 1138370.0/35

All: 1725.749+/-0.181 χ^2/NDF: 2481809.8/73

- sign 1727.907+/-0.255 χ^2/NDF: 1343295.3/37



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

Left Out: 0.000+/-0.000 χ^2/NDF:15.3/19

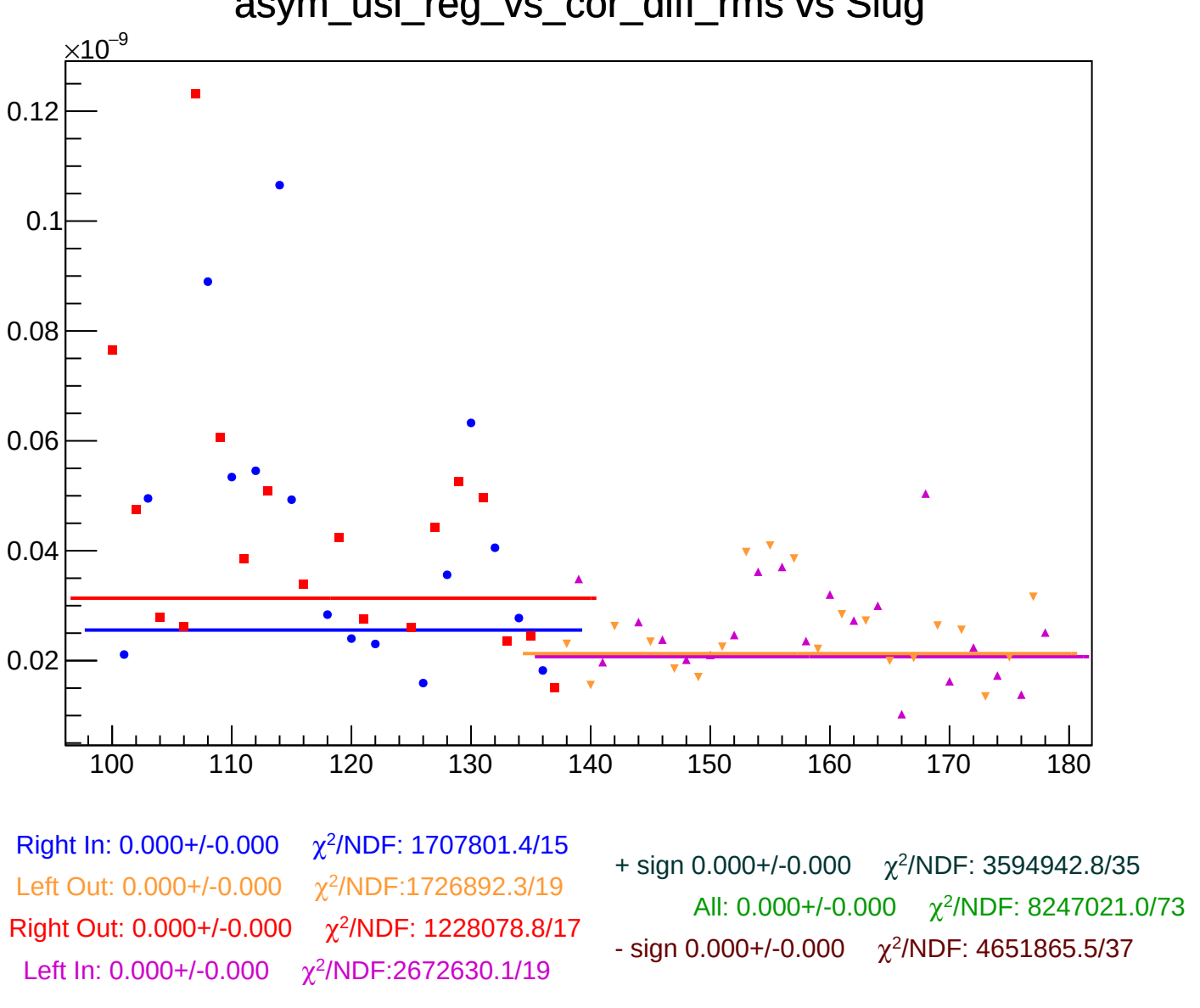
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/17

Left In: -0.000+/-0.000 χ^2/NDF:26.9/19

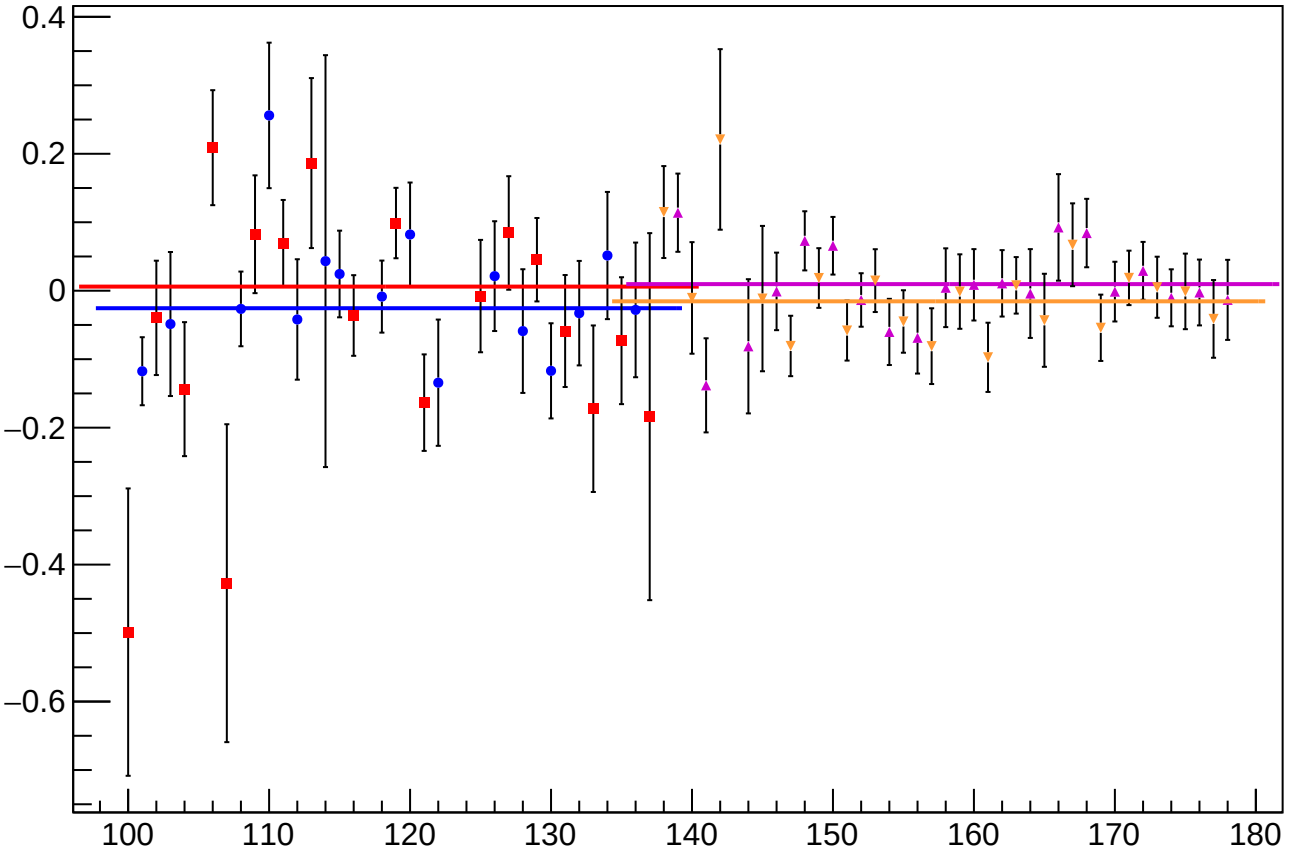
+ sign 0.000+/-0.000 χ^2/NDF: 18.8/35

All: 0.000+/-0.000 χ^2/NDF: 72.3/73

- sign -0.000+/-0.000 χ^2/NDF: 49.8/37


asym_usl_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1707801.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1726892.3/19
Right Out: 0.000+/-0.000 χ²/NDF: 1228078.8/17
Left In: 0.000+/-0.000 χ²/NDF:2672630.1/19
+ sign 0.000+/-0.000 χ²/NDF: 3594942.8/35
All: 0.000+/-0.000 χ²/NDF: 8247021.0/73
- sign 0.000+/-0.000 χ²/NDF: 4651865.5/37

asym_usl_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.015+/-0.012 χ^2/NDF:19.9/19

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

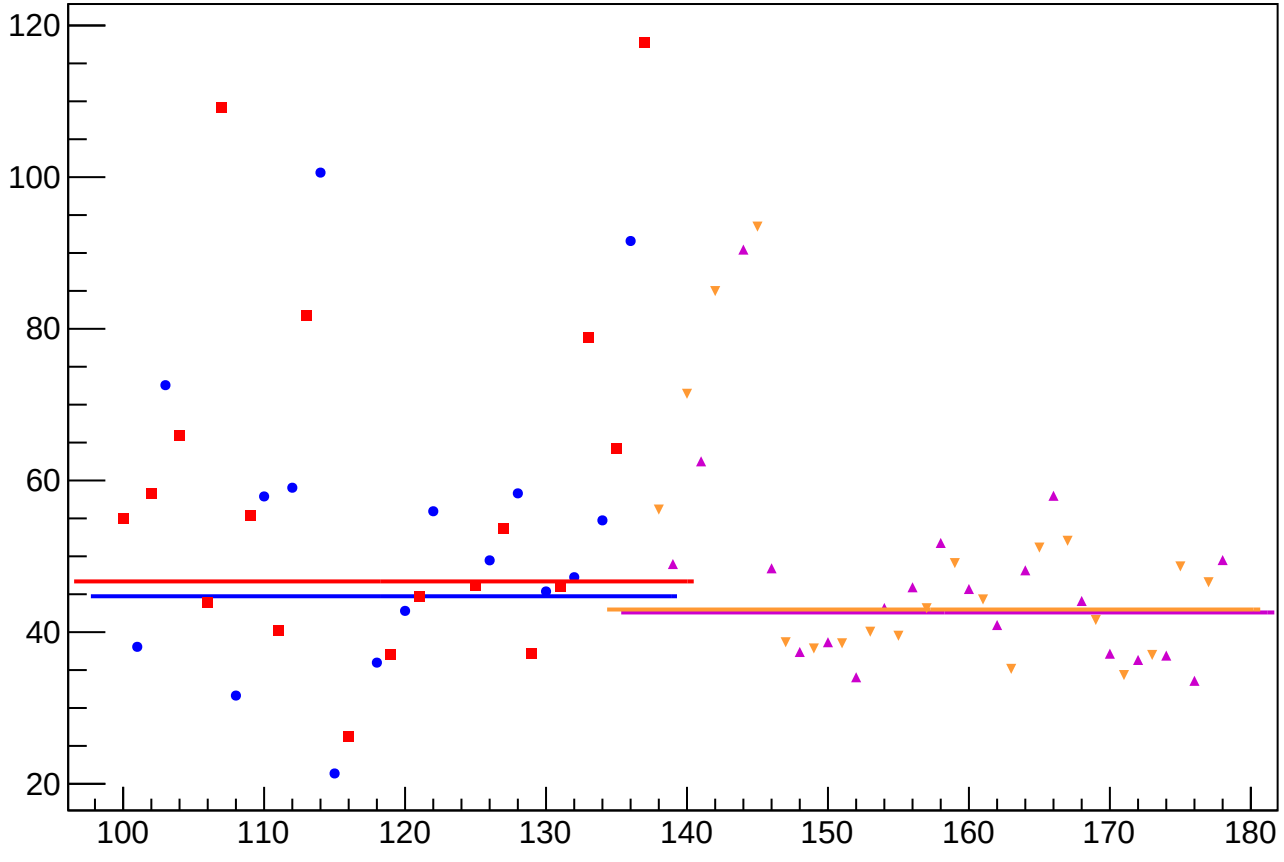
Left In: 0.010+/-0.011 χ^2/NDF:21.6/19

+ sign -0.018+/-0.010 χ^2/NDF: 37.7/35

All: -0.005+/-0.007 χ^2/NDF: 99.6/73

- sign 0.009+/-0.010 χ^2/NDF: 58.2/37

asym_usl_dit_vs_cor_diff_rms vs Slug



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

Left Out: 42.986+/-0.008 χ^2/NDF:1397378.8/19

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

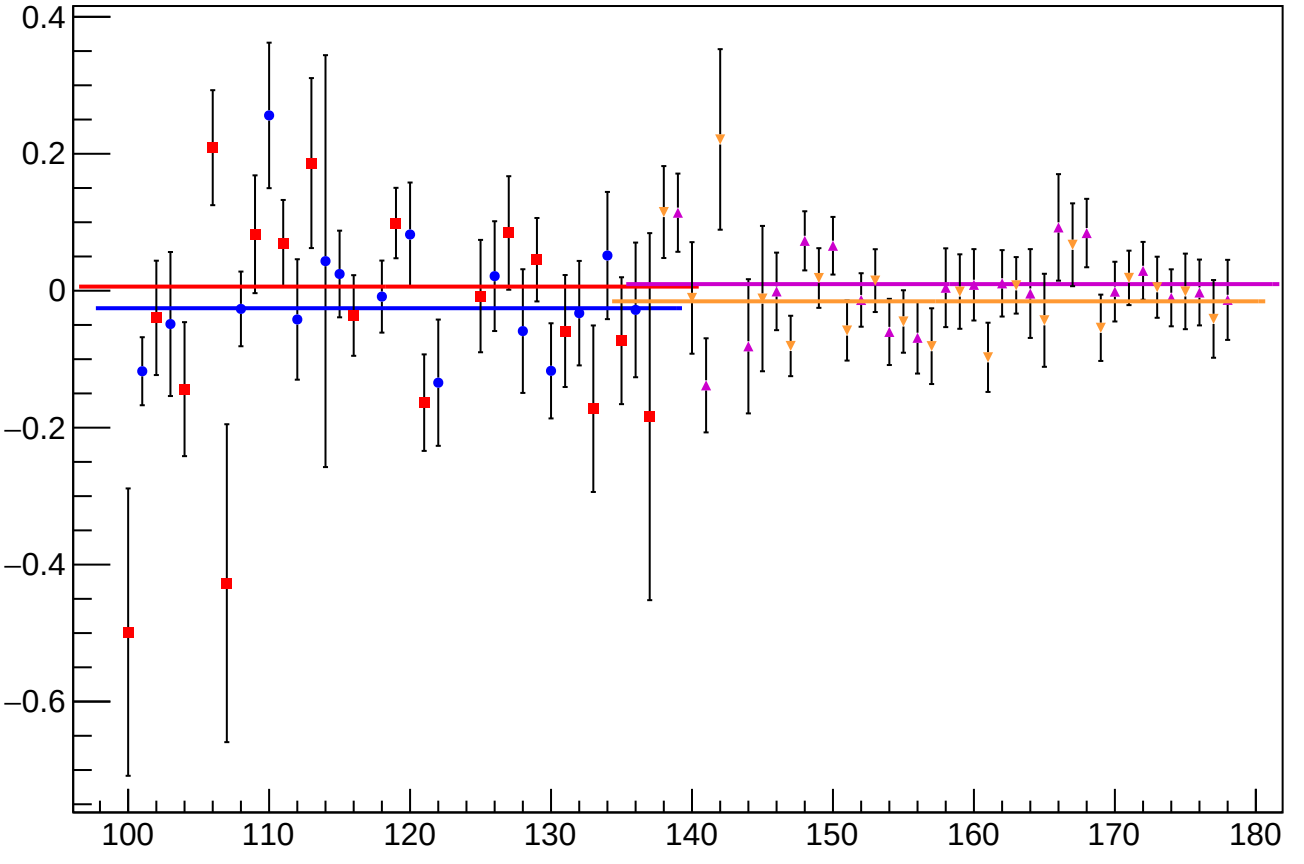
Left In: 42.597+/-0.008 χ^2/NDF:1207283.9/19

+ sign 43.472+/-0.007 χ^2/NDF: 2744428.0/35

All: 43.557+/-0.005 χ^2/NDF: 5213879.0/73

- sign 43.640+/-0.007 χ^2/NDF: 2469158.9/37

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



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

Left Out: -0.015+/-0.012 χ^2/NDF:19.9/19

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

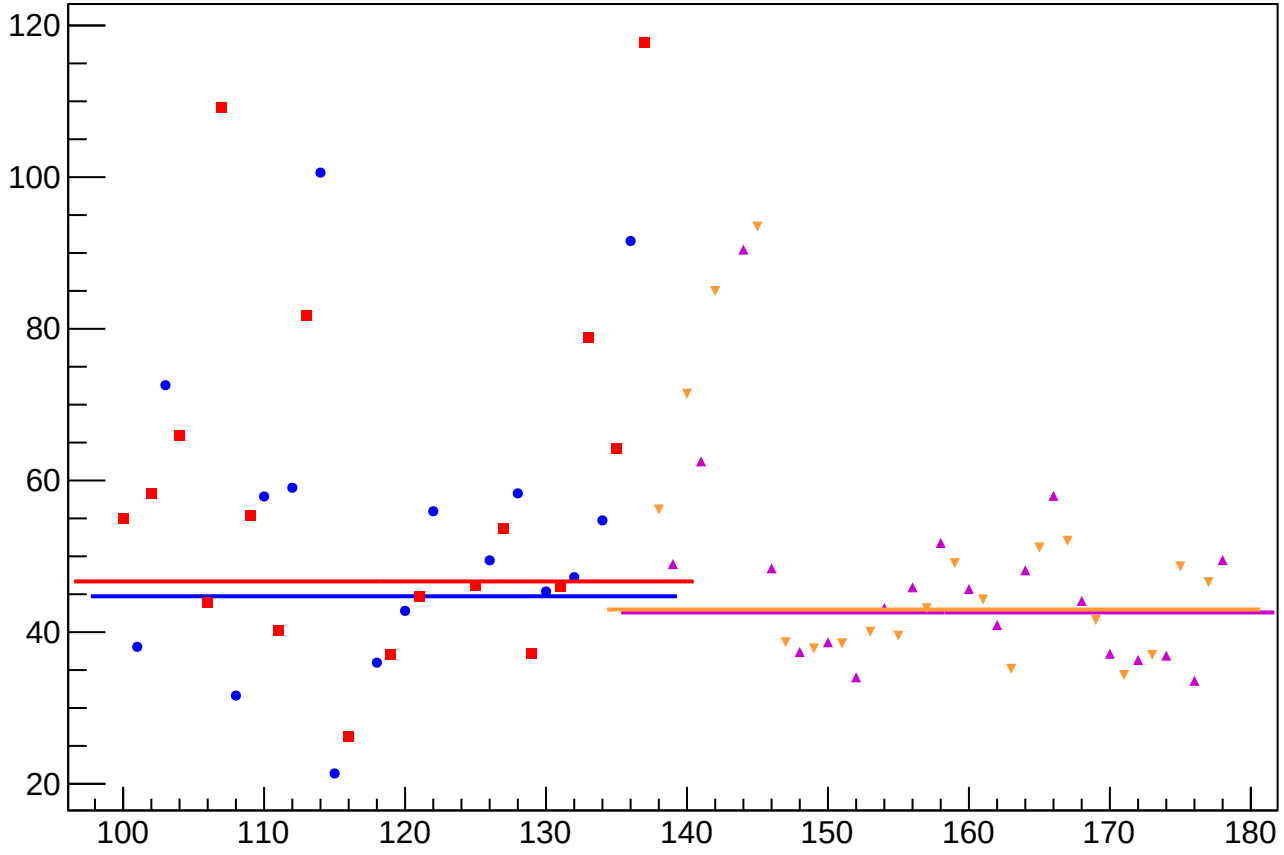
Left In: 0.010+/-0.011 χ^2/NDF:21.6/19

+ sign -0.018+/-0.010 χ^2/NDF: 37.7/35

All: -0.005+/-0.007 χ^2/NDF: 99.6/73

- sign 0.009+/-0.010 χ^2/NDF: 58.2/37

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



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

Left Out: 42.986+/-0.008 χ^2/NDF:1397378.8/19

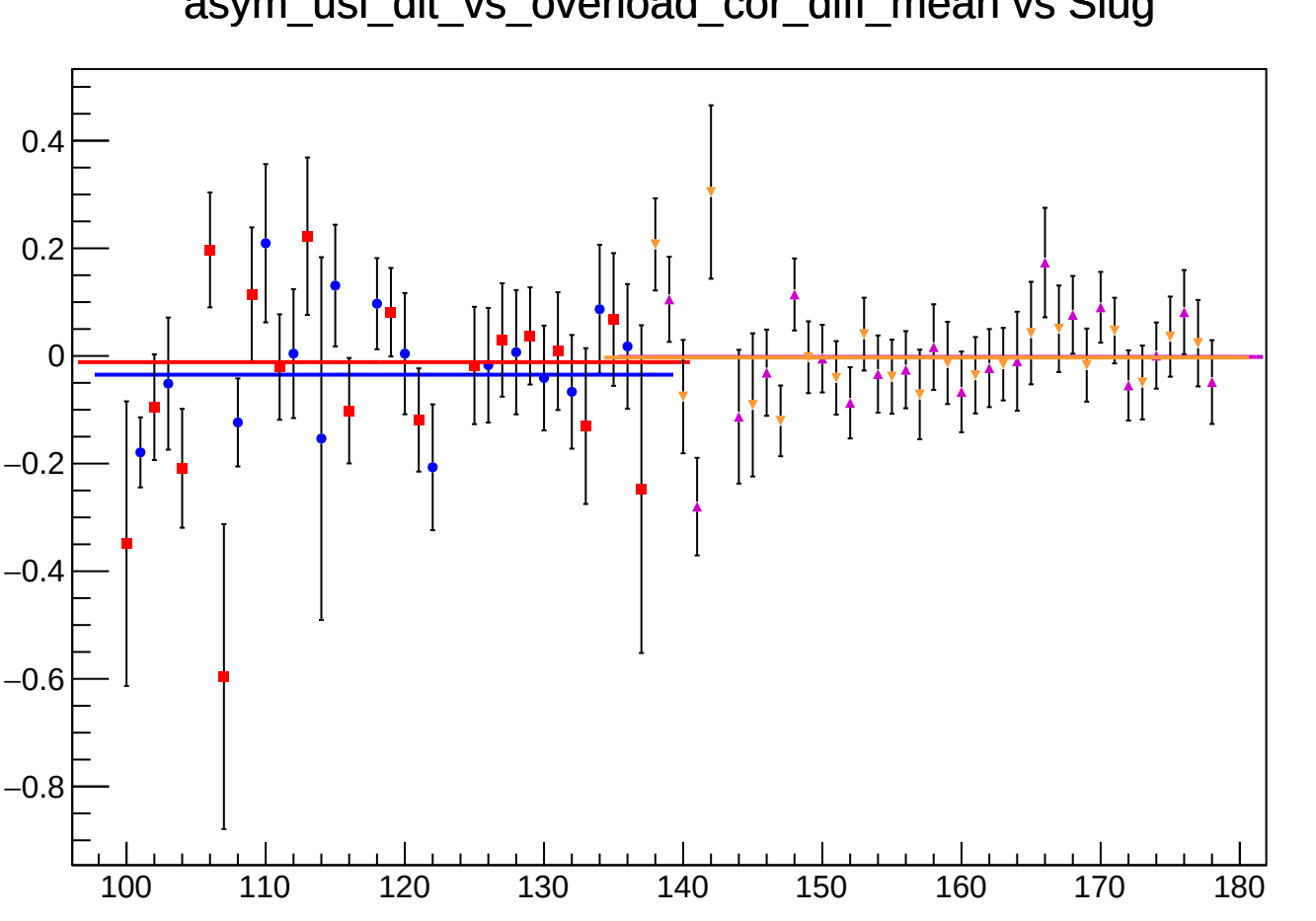
Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

Left In: 42.597+/-0.008 χ^2/NDF:1207283.9/19

+ sign 43.472+/-0.007 χ^2/NDF: 2744428.0/35

All: 43.557+/-0.005 χ^2/NDF: 5213879.0/73

- sign 43.640+/-0.007 χ^2/NDF: 2469158.9/37



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

Left Out: -0.003+/-0.017 χ^2/NDF:17.9/19

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

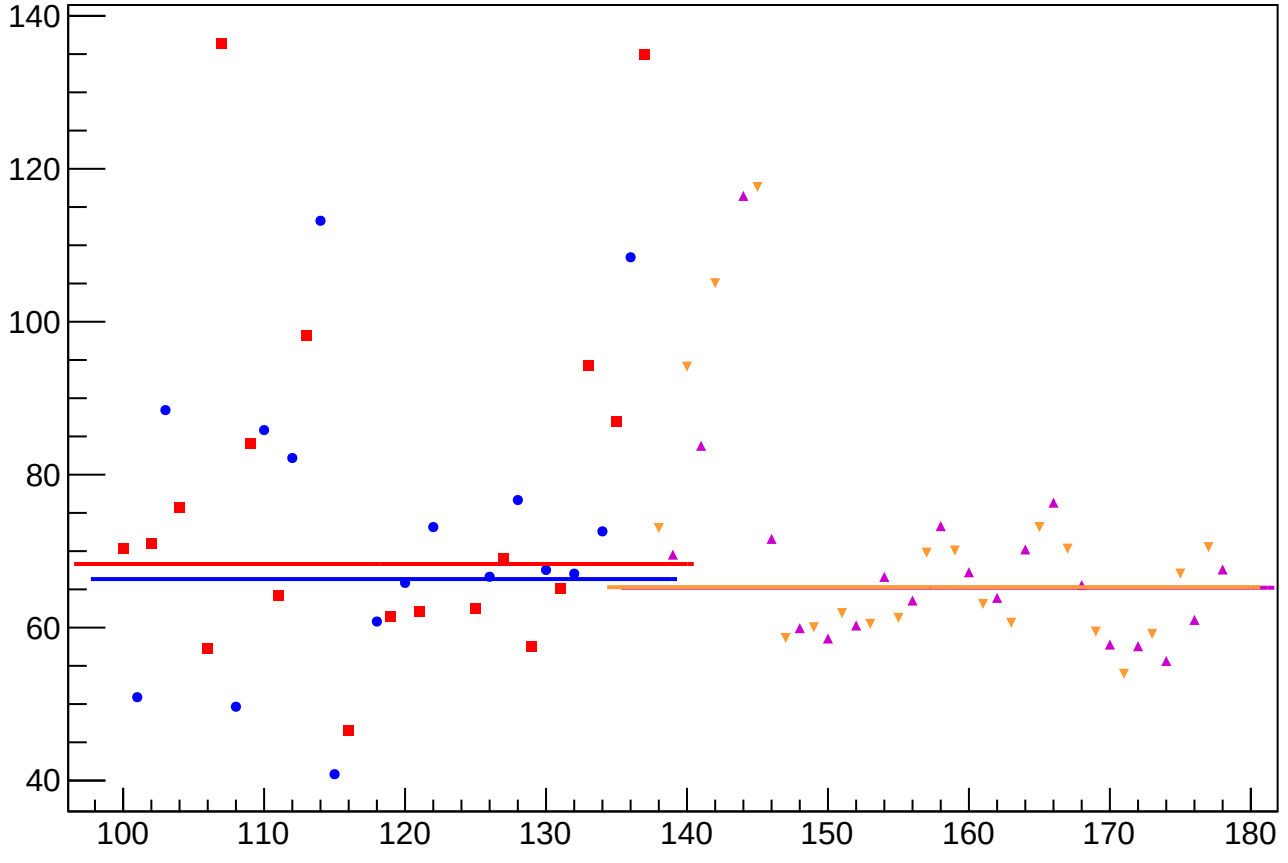
Left In: -0.002+/-0.017 χ^2/NDF:26.3/19

+ sign -0.012+/-0.014 χ^2/NDF: 36.4/35

All: -0.008+/-0.010 χ^2/NDF: 85.7/73

- sign -0.004+/-0.014 χ^2/NDF: 49.2/37

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



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

Left Out: 65.284+/-0.012 χ^2/NDF:808096.2/19

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

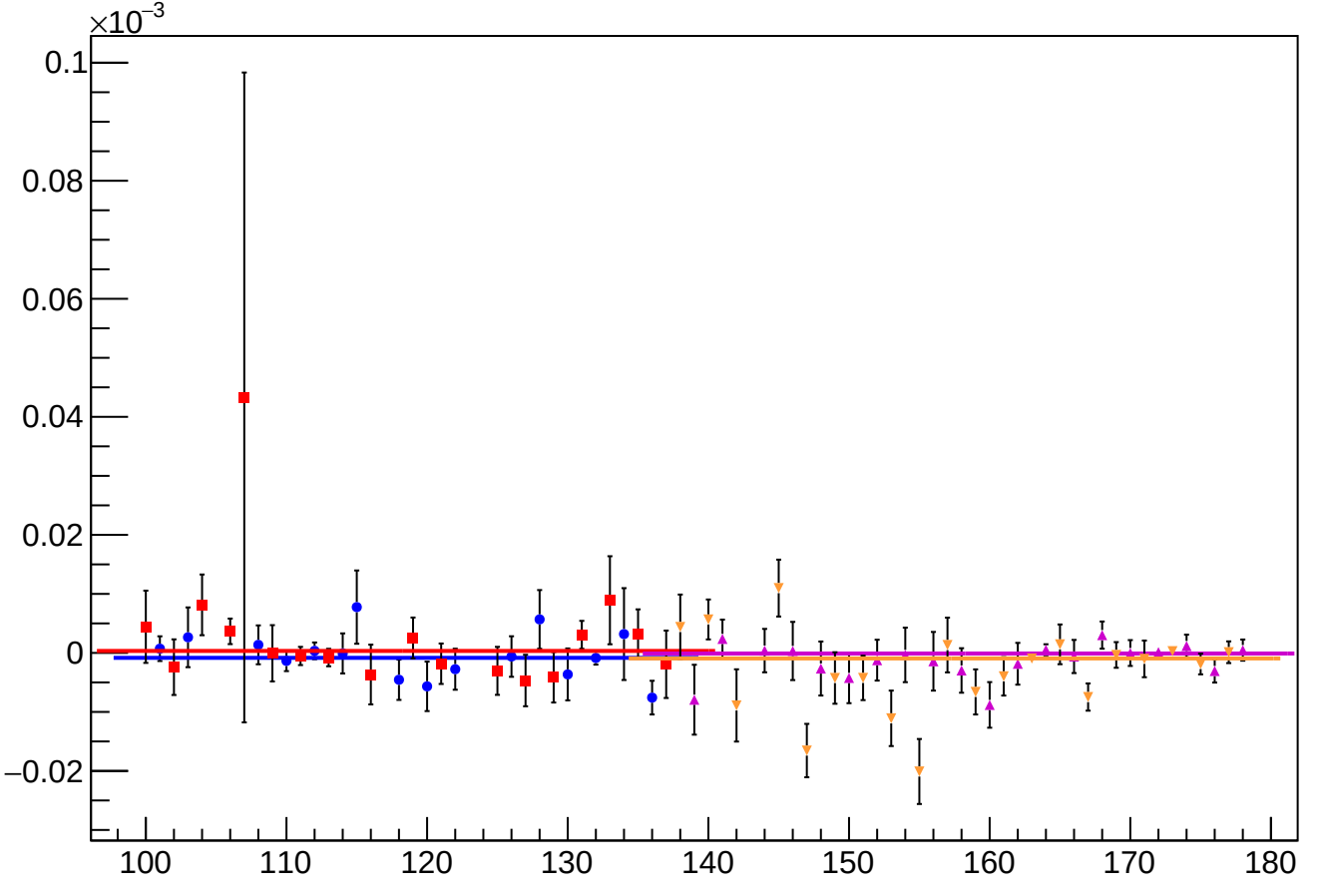
Left In: 65.215+/-0.012 χ^2/NDF:652054.8/19

+ sign 65.598+/-0.010 χ^2/NDF: 1583062.8/35

All: 65.840+/-0.007 χ^2/NDF: 2885191.0/73

- sign 66.079+/-0.010 χ^2/NDF: 1300989.5/37

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:58.4/19

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

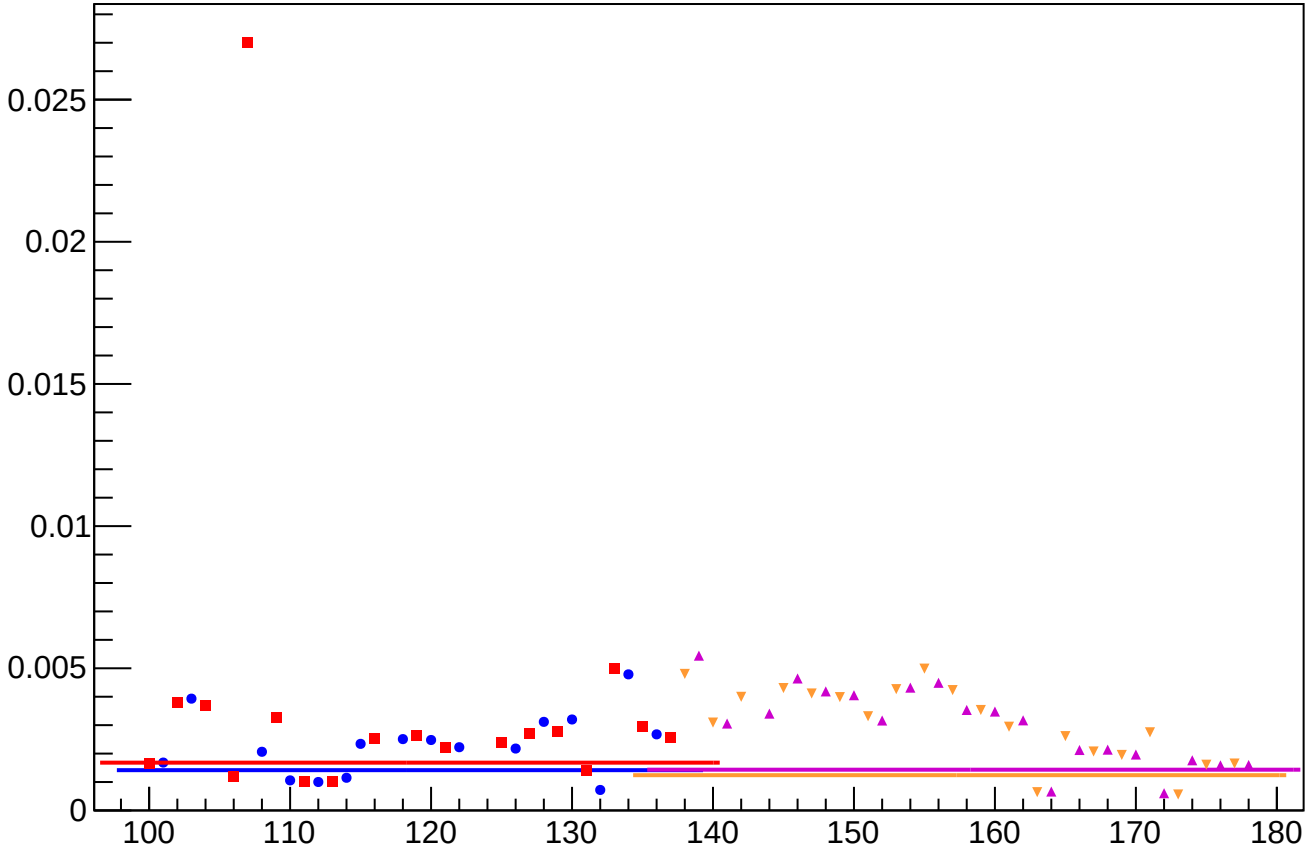
Left In: -0.000+/-0.000 χ^2/NDF:14.9/19

+ sign -0.000+/-0.000 χ^2/NDF: 73.5/35

All: -0.000+/-0.000 χ^2/NDF: 106.6/73

- sign 0.000+/-0.000 χ^2/NDF: 30.0/37

asym_usl_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 3547259.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:13363320.4/19

Right Out: 0.002+/-0.000 χ^2/NDF: 3427218.5/17

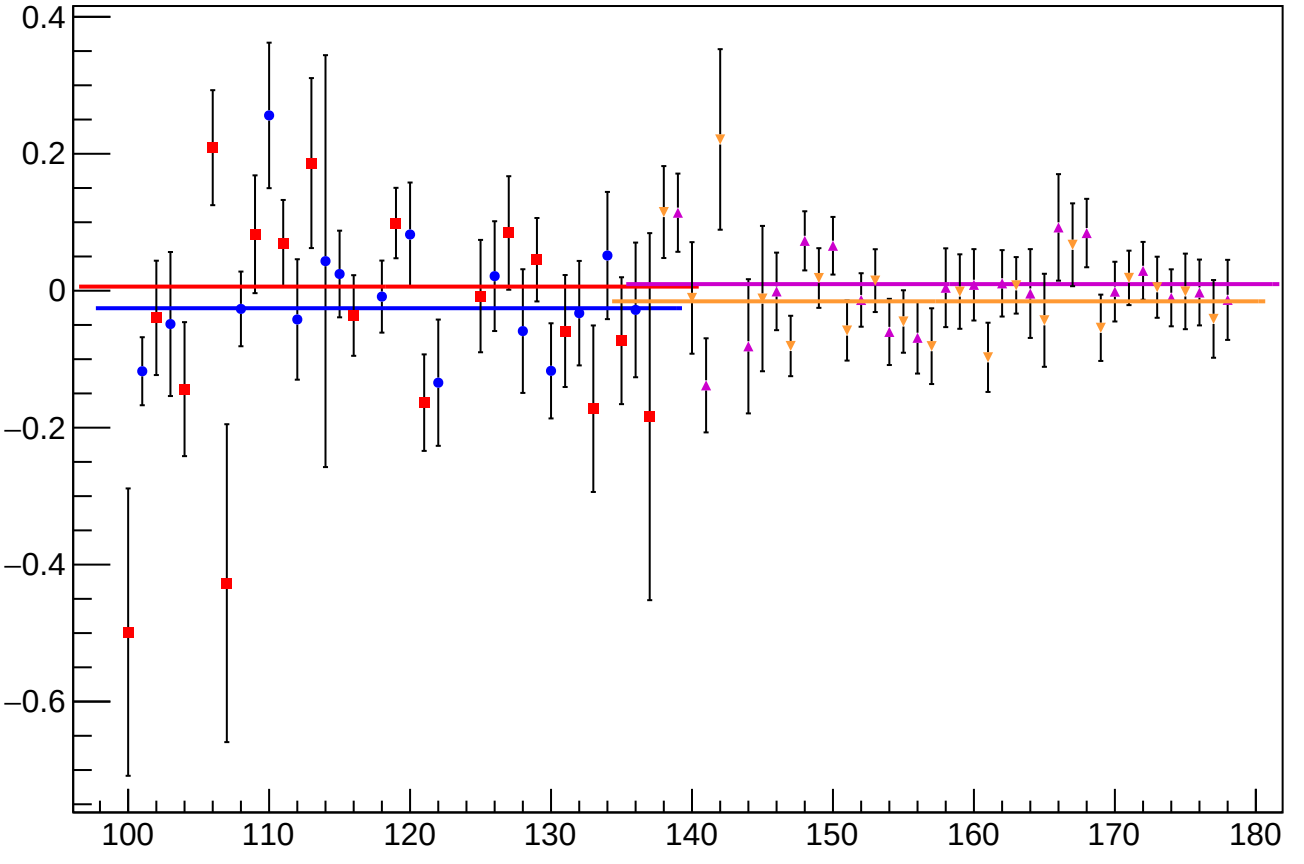
Left In: 0.001+/-0.000 χ^2/NDF:11993773.1/19

+ sign 0.001+/-0.000 χ^2/NDF: 17022551.6/35

All: 0.001+/-0.000 χ^2/NDF: 32930159.1/73

- sign 0.002+/-0.000 χ^2/NDF: 15588297.9/37

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.015+/-0.012 χ^2/NDF:19.9/19

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

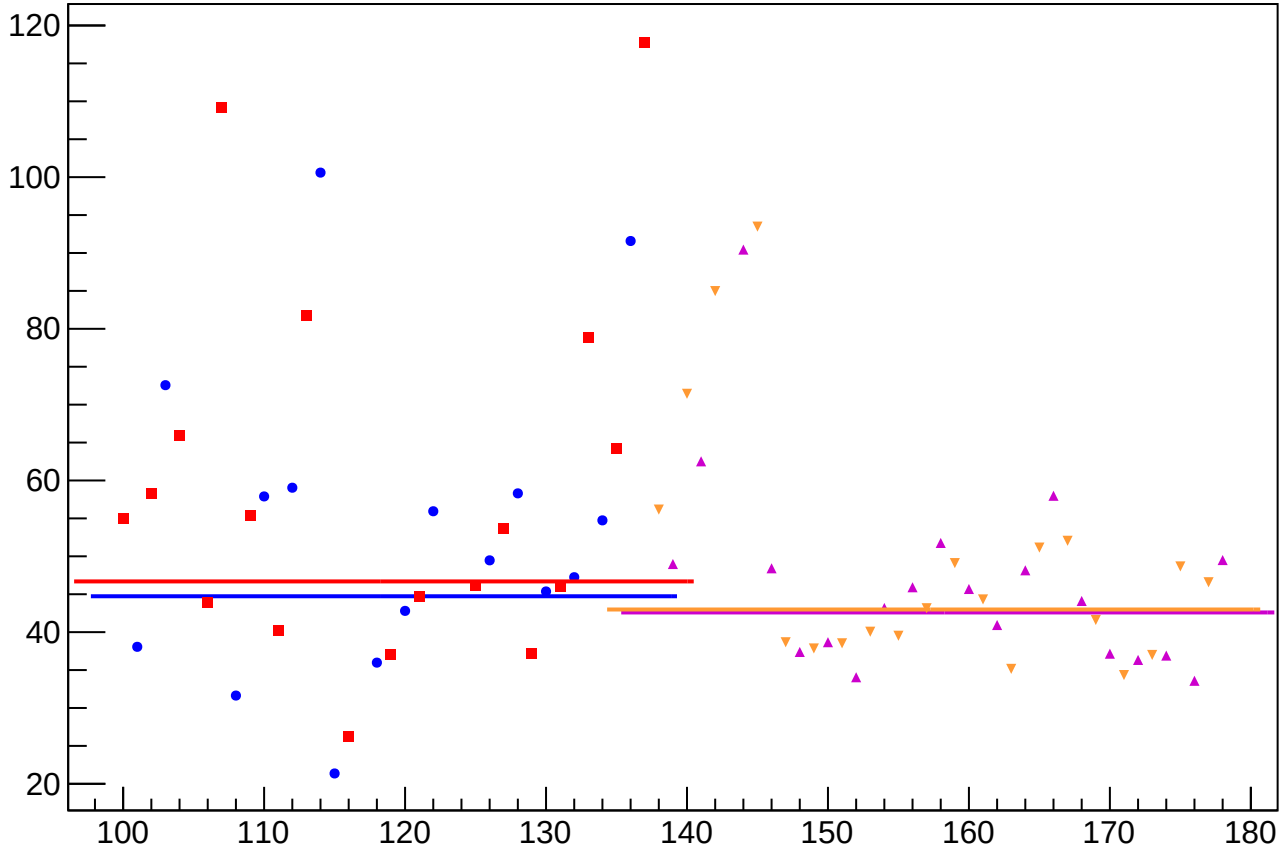
Left In: 0.010+/-0.011 χ^2/NDF:21.6/19

+ sign -0.018+/-0.010 χ^2/NDF: 37.7/35

All: -0.005+/-0.007 χ^2/NDF: 99.6/73

- sign 0.009+/-0.010 χ^2/NDF: 58.2/37

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 42.986+/-0.008 χ^2/NDF:1397346.5/19

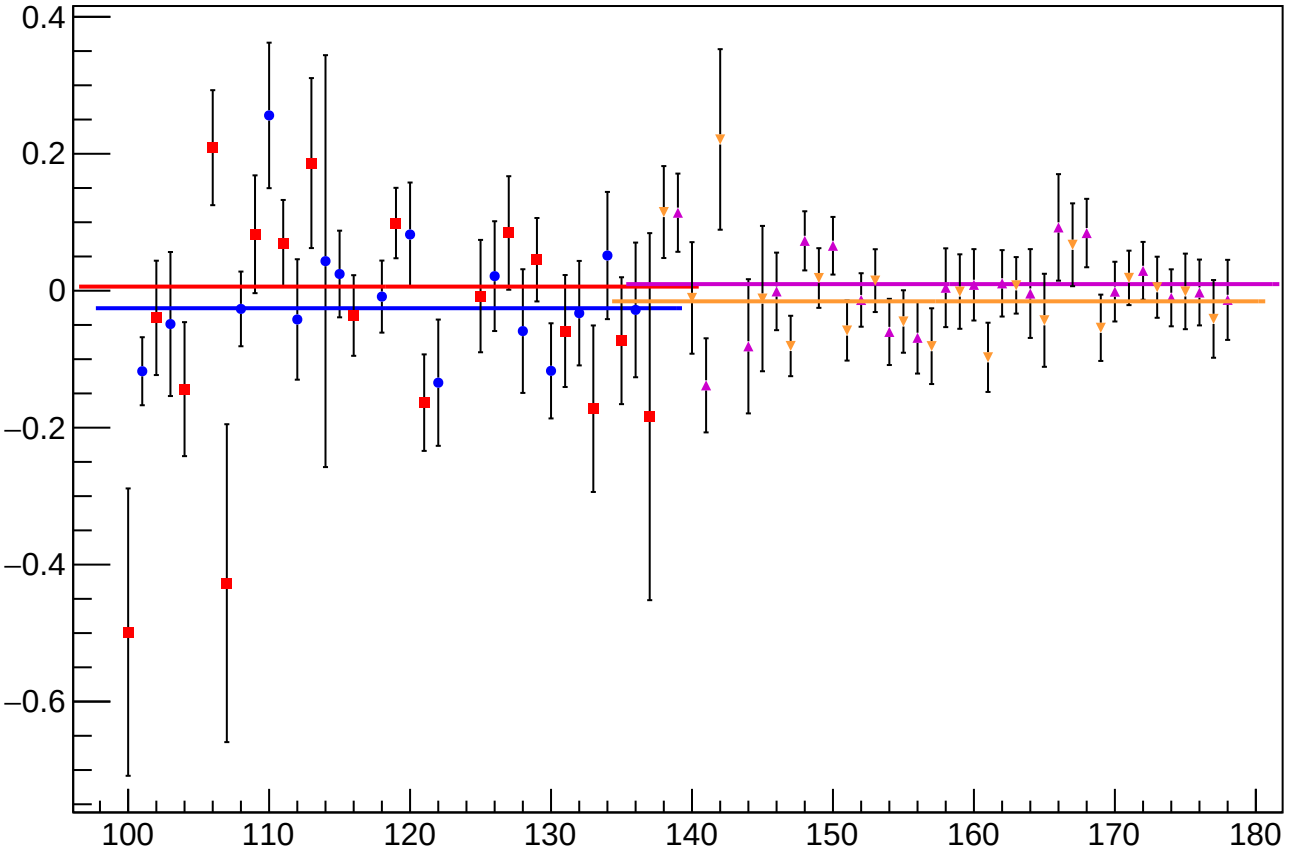
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 42.597+/-0.008 χ^2/NDF:1207229.3/19

+ sign 43.472+/-0.007 χ^2/NDF: 2744442.5/35

All: 43.557+/-0.005 χ^2/NDF: 5213839.3/73

- sign 43.640+/-0.007 χ^2/NDF: 2469104.0/37



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

Left Out: -0.015+/-0.012 χ^2/NDF:19.9/19

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

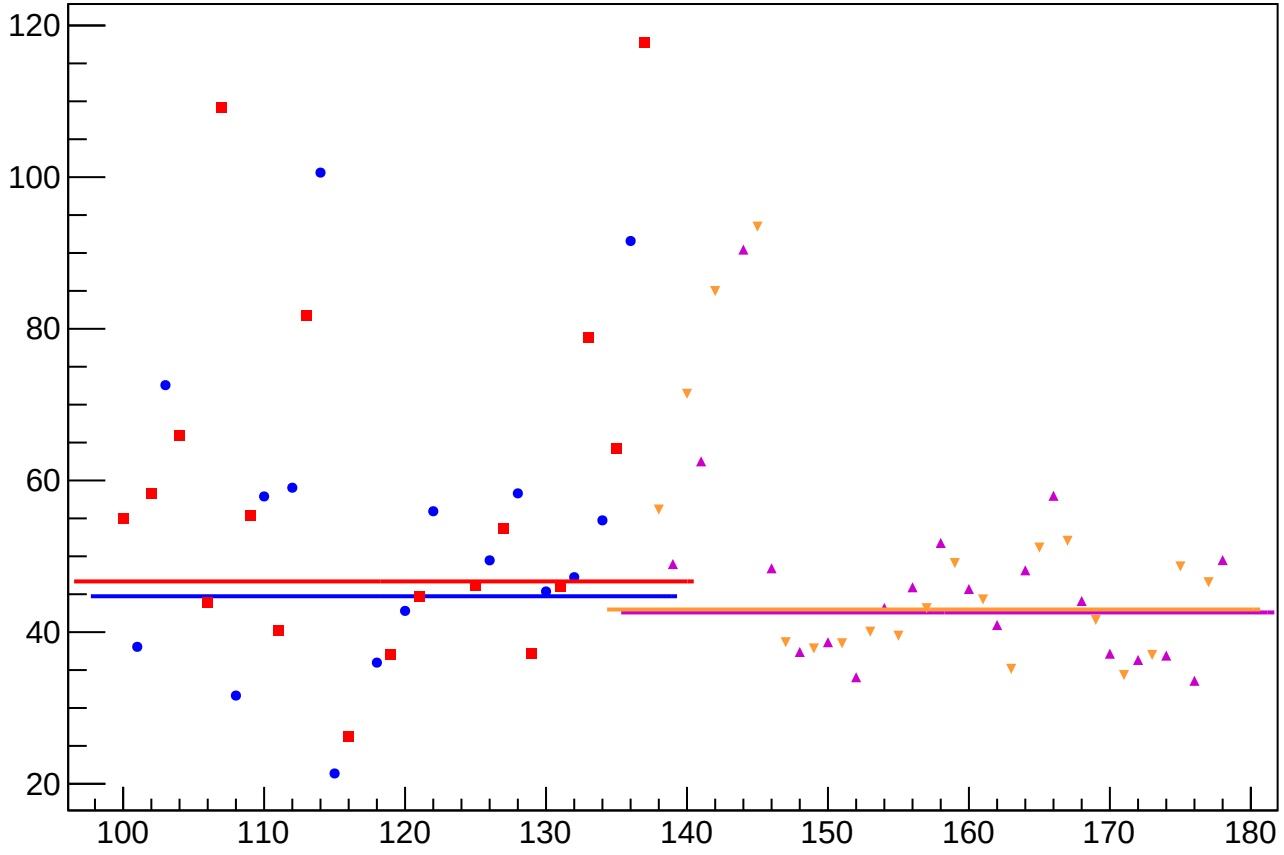
Left In: 0.010+/-0.011 χ^2/NDF:21.6/19

+ sign -0.018+/-0.010 χ^2/NDF: 37.7/35

All: -0.005+/-0.007 χ^2/NDF: 99.6/73

- sign 0.009+/-0.010 χ^2/NDF: 58.2/37

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: 42.986+/-0.008 χ^2/NDF:1397346.5/19

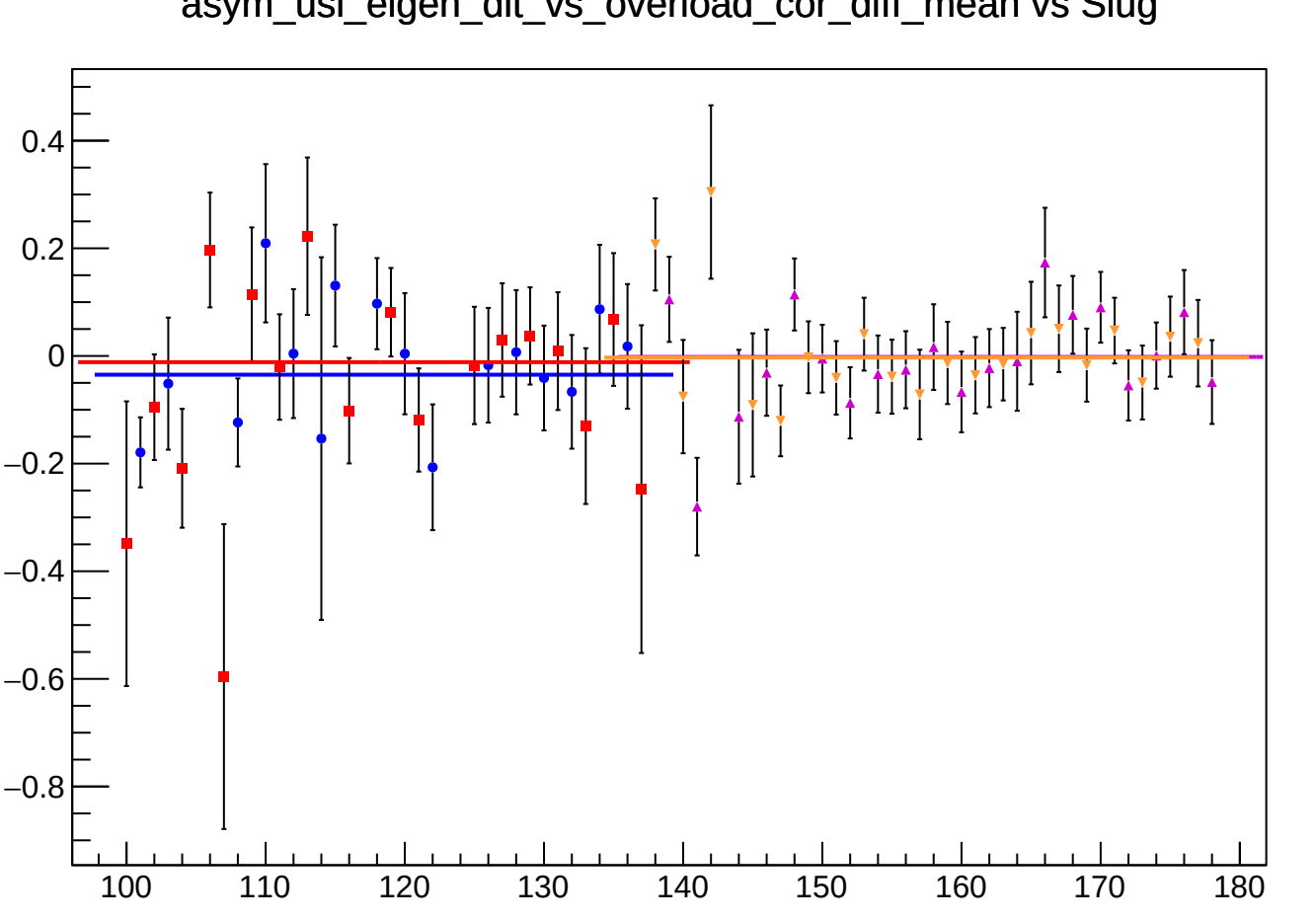
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 42.597+/-0.008 χ^2/NDF:1207229.3/19

+ sign 43.472+/-0.007 χ^2/NDF: 2744442.5/35

All: 43.557+/-0.005 χ^2/NDF: 5213839.3/73

- sign 43.640+/-0.007 χ^2/NDF: 2469104.0/37



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

Left Out: -0.003+/-0.017 χ^2/NDF:17.9/19

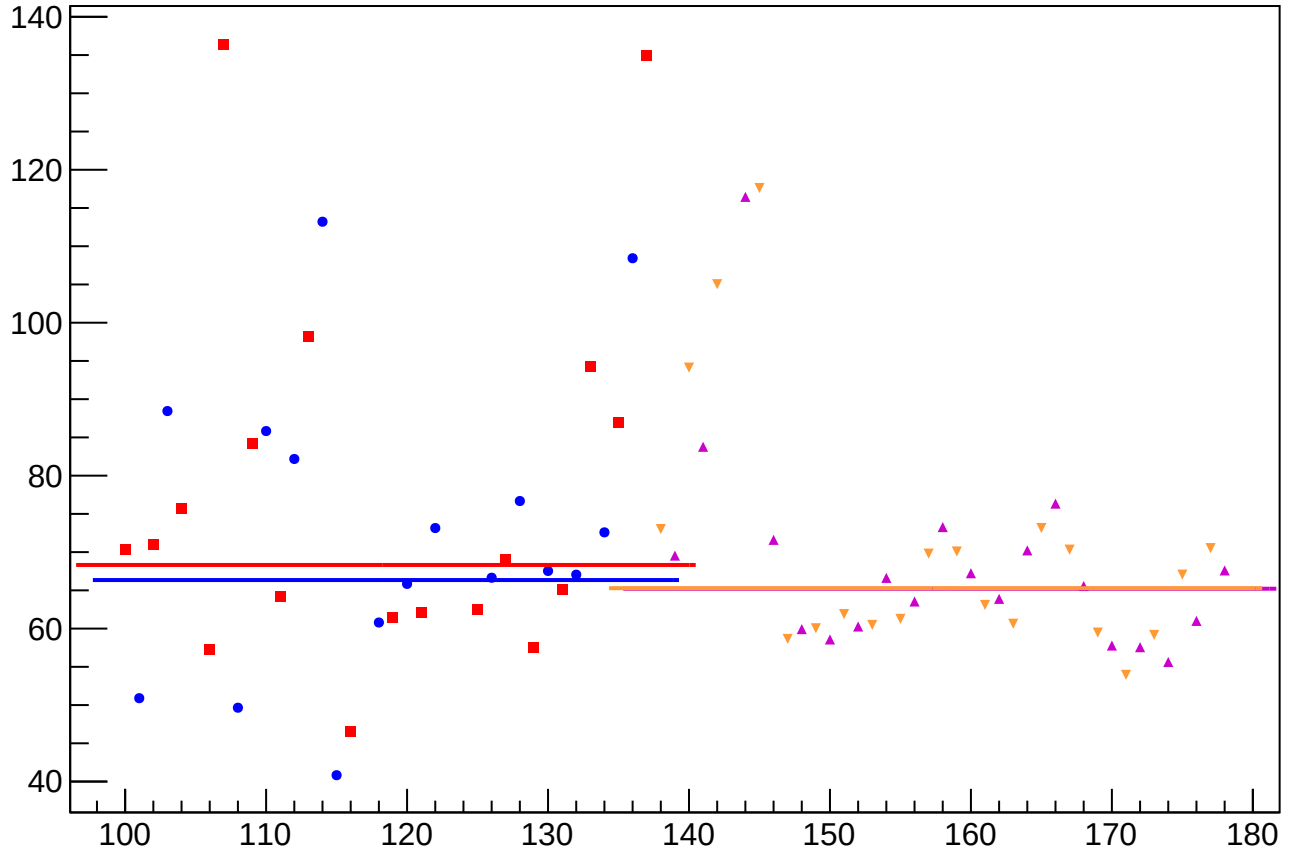
Right Out: -0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: -0.002+/-0.017 χ^2/NDF:26.3/19

+ sign -0.012+/-0.014 χ^2/NDF: 36.4/35

All: -0.008+/-0.010 χ^2/NDF: 85.7/73

- sign -0.004+/-0.014 χ^2/NDF: 49.2/37



Right In: 66.348+/-0.019 χ^2/NDF: 772660.4/15

Left Out: 65.284+/-0.012 χ^2/NDF:808084.1/19

Right Out: 68.321+/-0.019 χ^2/NDF: 629665.7/17

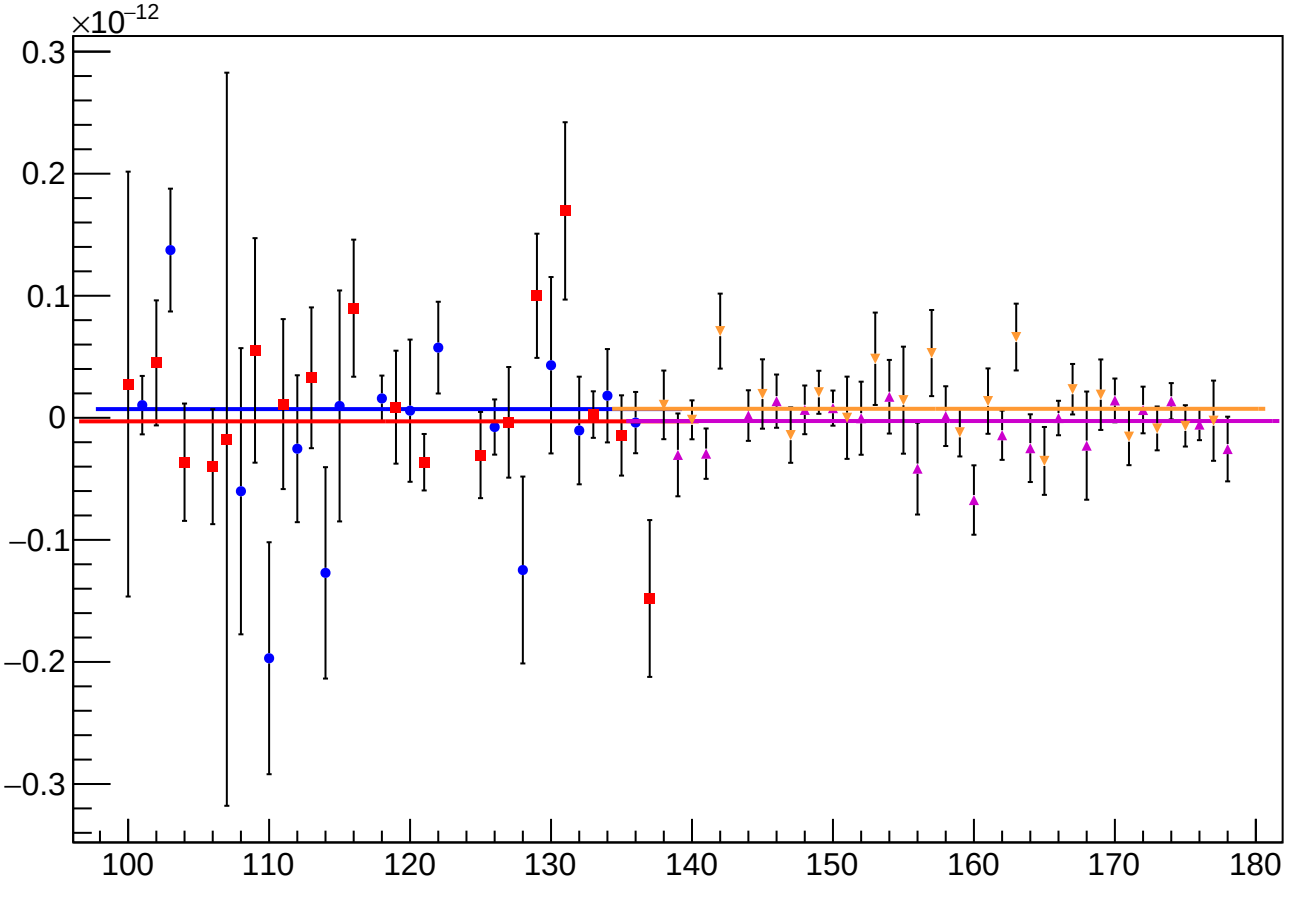
Left In: 65.215+/-0.012 χ^2/NDF:652044.6/19

+ sign 65.598+/-0.010 χ^2/NDF: 1583055.3/35

All: 65.840+/-0.007 χ^2/NDF: 2885158.7/73

- sign 66.079+/-0.010 χ^2/NDF: 1300964.7/37

asym_usl_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.5/19

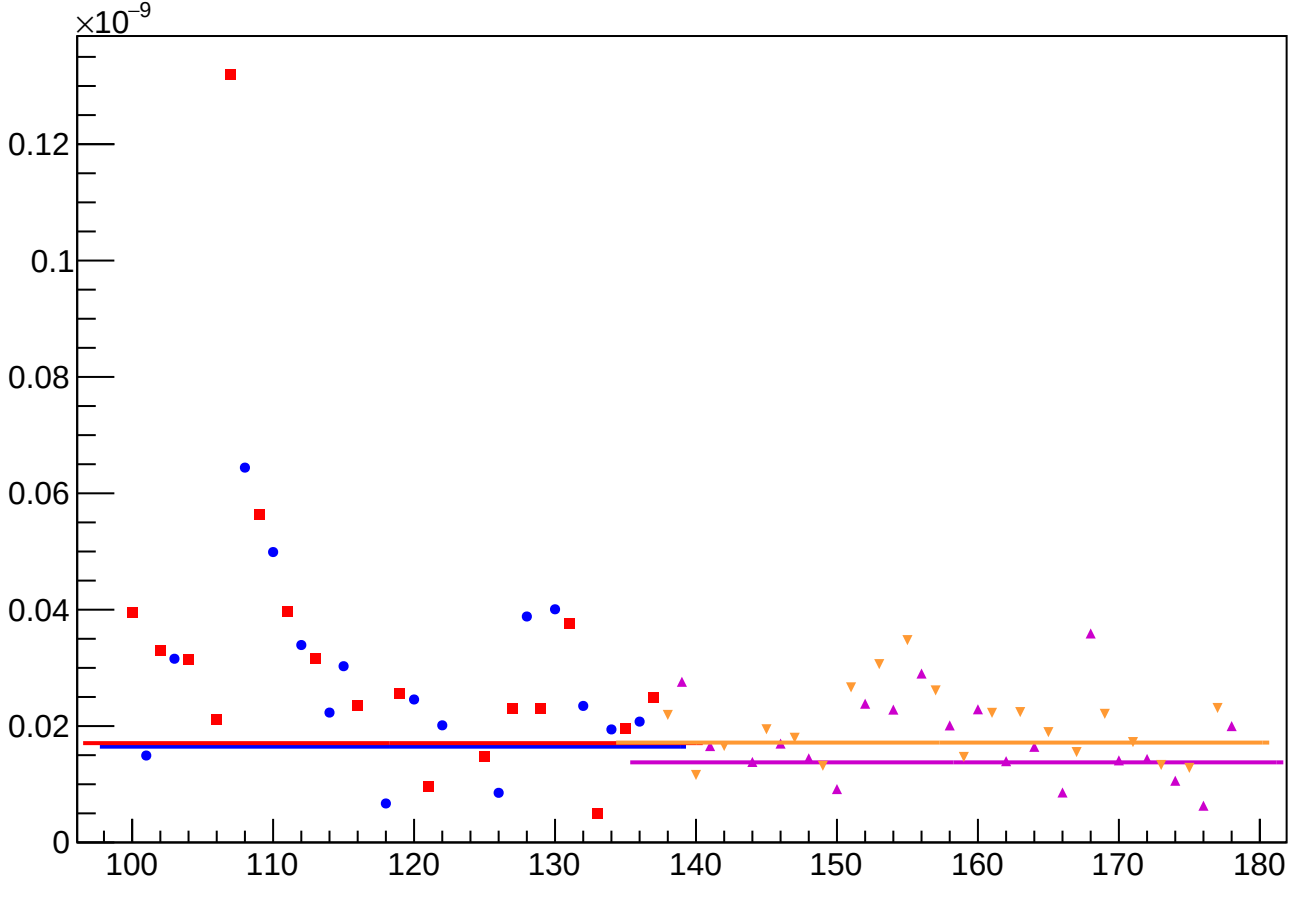
Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/17

Left In: -0.000+/-0.000 χ^2/NDF:14.7/19

+ sign 0.000+/-0.000 χ^2/NDF: 40.9/35

All: 0.000+/-0.000 χ^2/NDF: 81.6/73

- sign -0.000+/-0.000 χ^2/NDF: 38.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 2345888.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1829115.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2791354.7/17

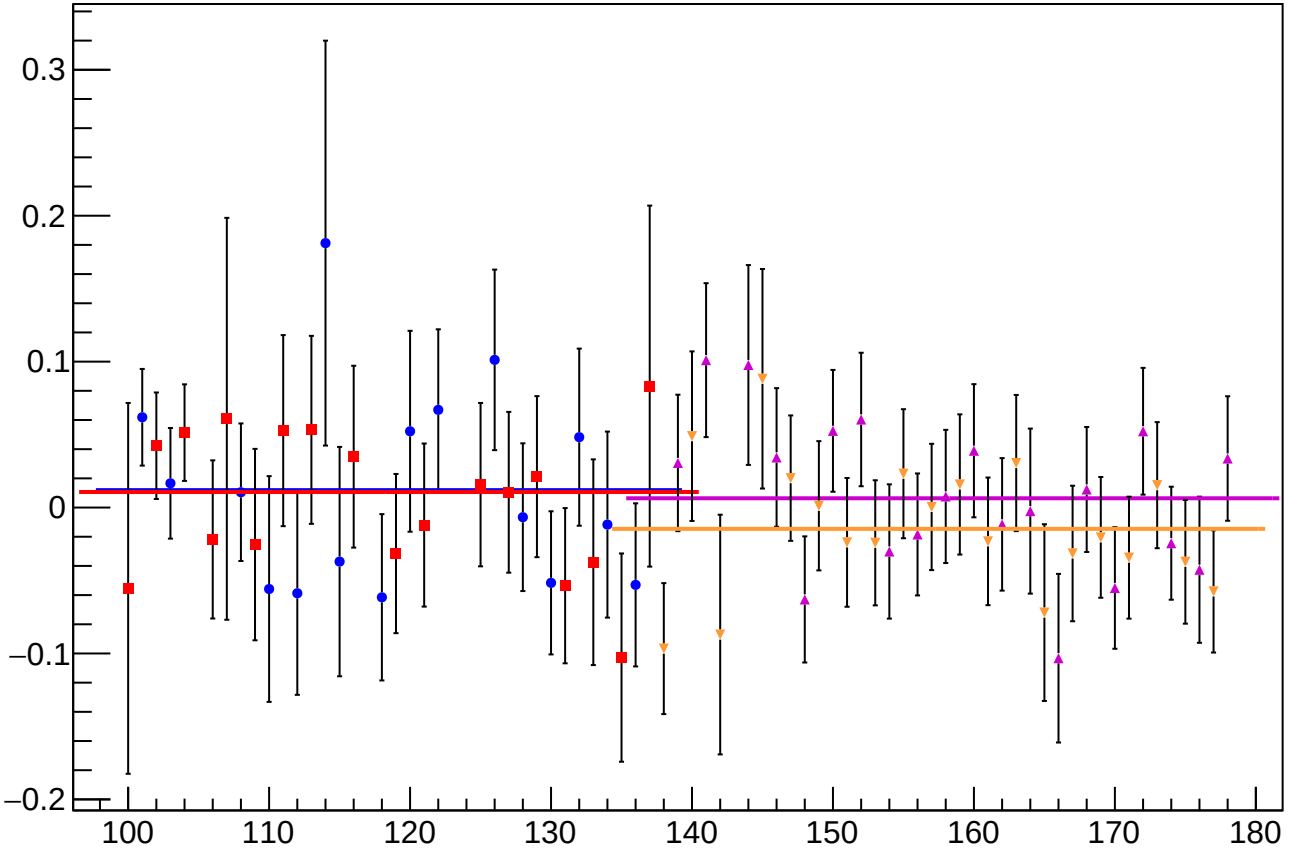
Left In: 0.000+/-0.000 χ^2/NDF:3367549.1/19

+ sign 0.000+/-0.000 χ^2/NDF: 4183698.5/35

All: 0.000+/-0.000 χ^2/NDF: 10889457.7/73

- sign 0.000+/-0.000 χ^2/NDF: 6345013.3/37

asym_usl_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.015+/-0.010 χ^2/NDF:13.4/19

Right Out: 0.011+/-0.013 χ^2/NDF: 9.9/17

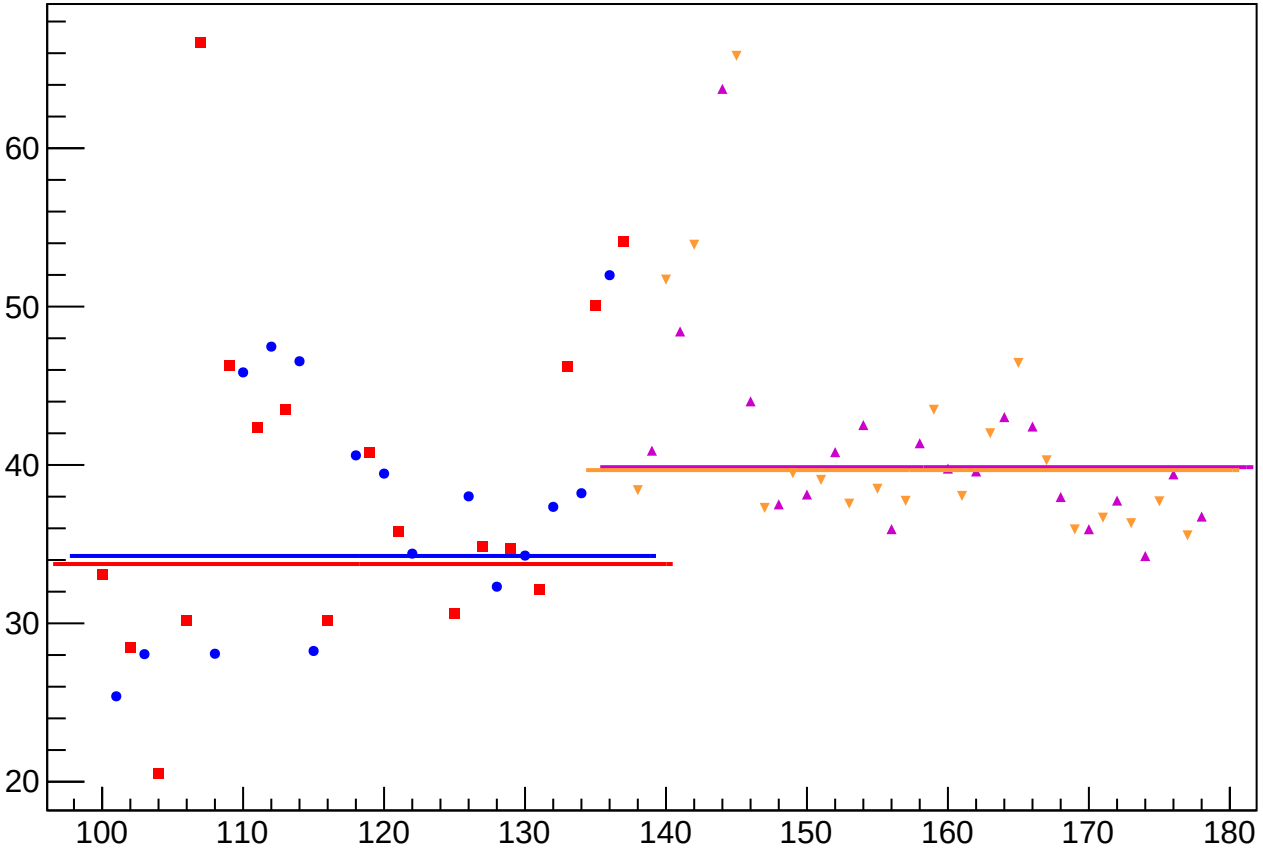
Left In: 0.006+/-0.010 χ^2/NDF:21.4/19

+ sign -0.005+/-0.008 χ^2/NDF: 30.5/35

All: 0.002+/-0.006 χ^2/NDF: 63.1/73

- sign 0.008+/-0.008 χ^2/NDF: 31.4/37

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 39.676+/-0.007 χ^2/NDF:514143.8/19

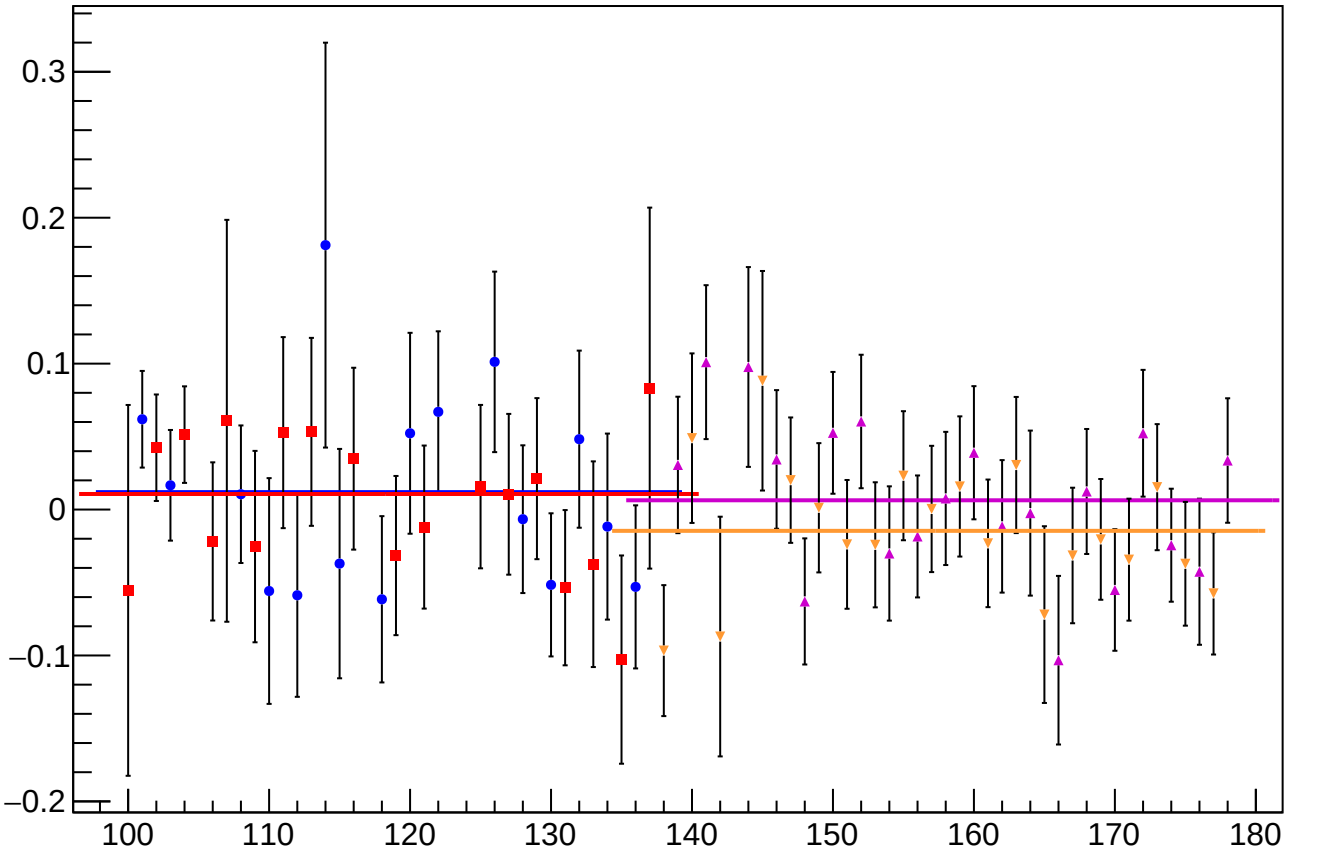
Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 39.861+/-0.007 χ^2/NDF:438484.5/19

+ sign 37.678+/-0.006 χ^2/NDF: 1350459.8/35

All: 37.638+/-0.004 χ^2/NDF: 2961759.0/73

- sign 37.599+/-0.006 χ^2/NDF: 1611208.7/37



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.015+/-0.010 χ^2/NDF:13.4/19

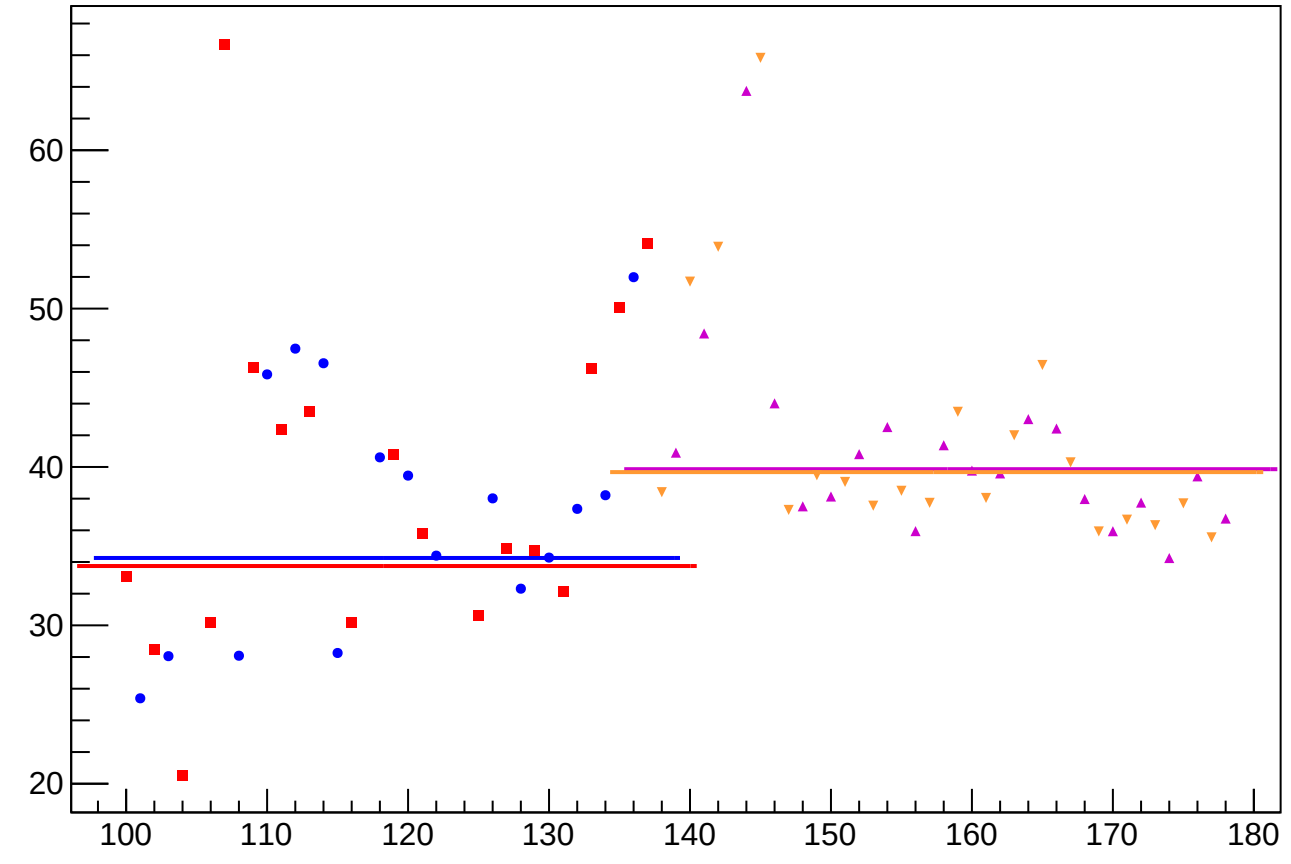
Right Out: 0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: 0.006+/-0.010 χ^2/NDF:21.4/19

+ sign -0.005+/-0.008 χ^2/NDF: 30.5/35

All: 0.002+/-0.006 χ^2/NDF: 63.1/73

- sign 0.008+/-0.008 χ^2/NDF: 31.4/37



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 39.676+/-0.007 χ^2/NDF:514143.8/19

Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

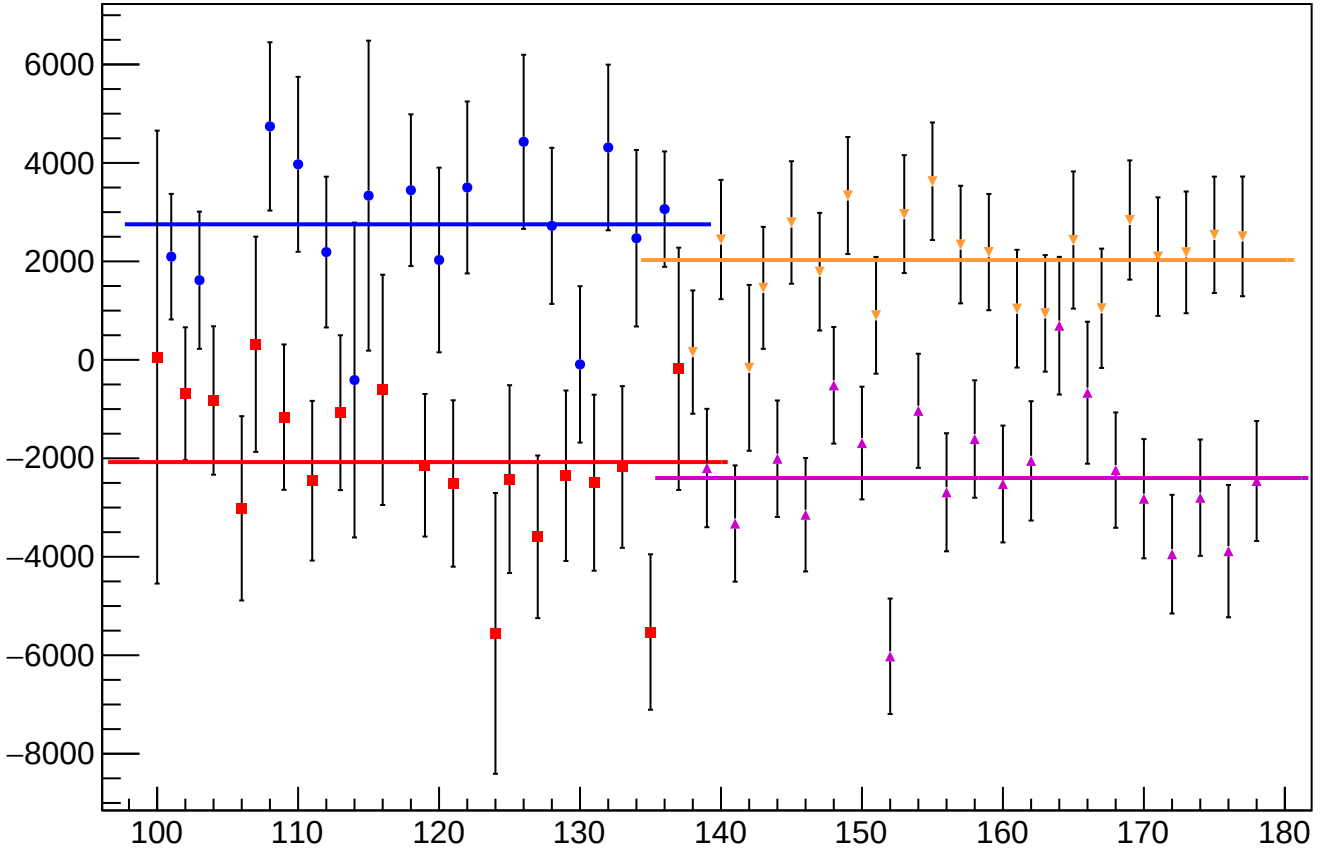
Left In: 39.861+/-0.007 χ^2/NDF:438484.5/19

+ sign 37.678+/-0.006 χ^2/NDF: 1350459.8/35

All: 37.638+/-0.004 χ^2/NDF: 2961759.0/73

- sign 37.599+/-0.006 χ^2/NDF: 1611208.7/37

reg_asym_usr_mean vs Slug



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 2026.715+/-267.885 χ^2/NDF:12.3/20

Right Out: -2076.471+/-403.796 χ^2/NDF: 12.5/18

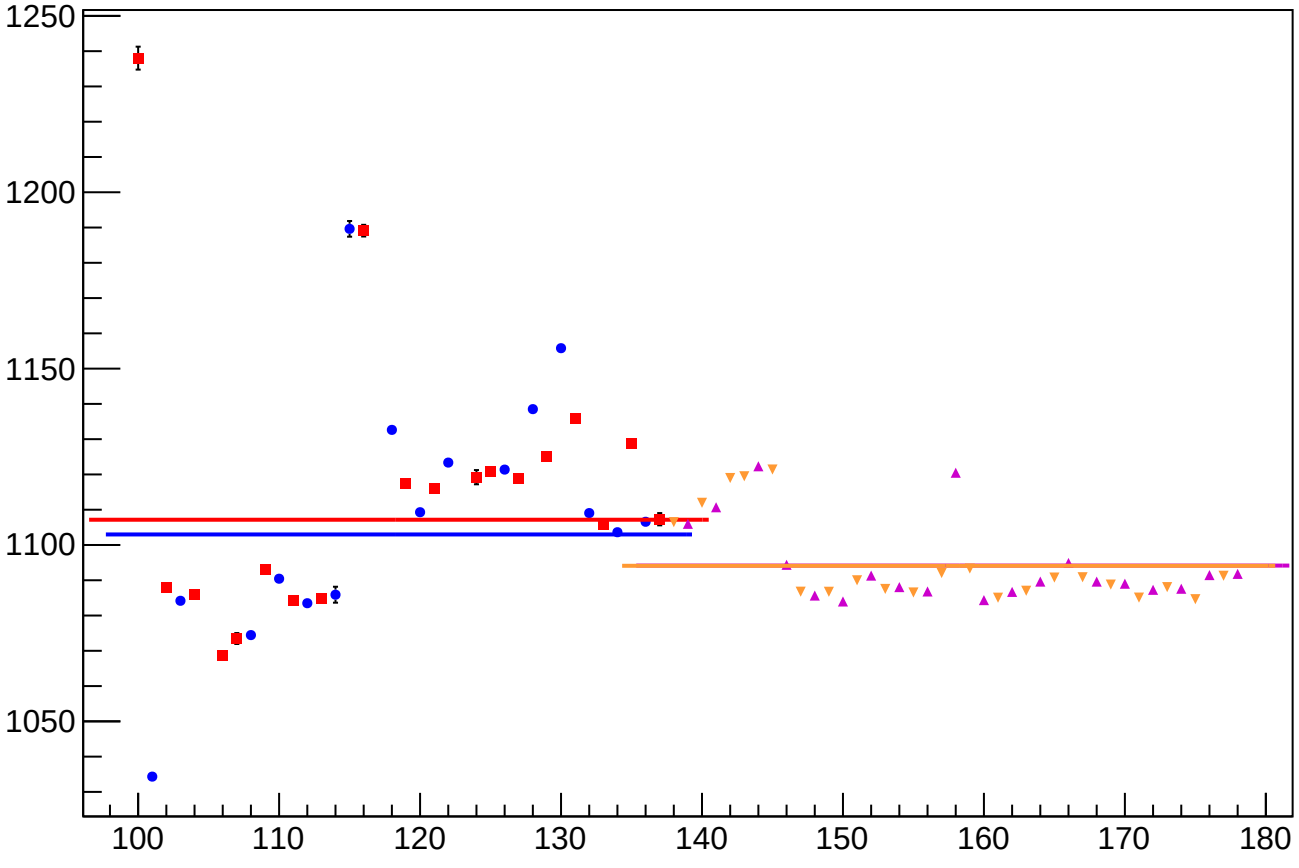
Left In: -2399.768+/-270.643 χ^2/NDF:25.1/19

+ sign 2244.164+/-224.233 χ^2/NDF: 24.0/36

All: -21.790+/-158.763 χ^2/NDF: 266.9/75

- sign -2299.553+/-224.816 χ^2/NDF: 38.1/38

reg_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1094.103+/-0.189 χ^2/NDF:3741.7/20

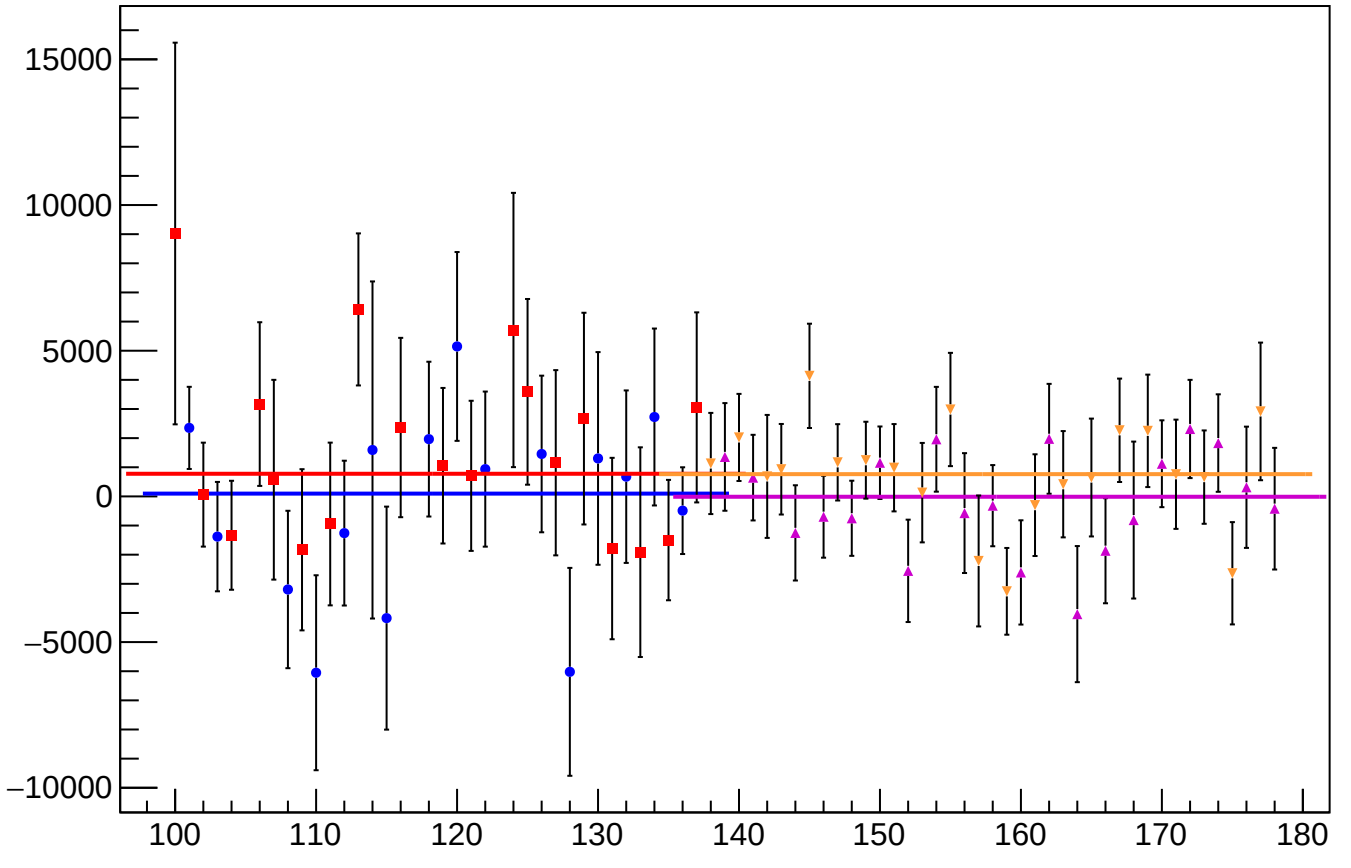
Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1094.164+/-0.191 χ^2/NDF:3538.6/19

+ sign 1096.762+/-0.159 χ^2/NDF: 17624.1/36

All: 1097.475+/-0.112 χ^2/NDF: 31316.1/75

- sign 1098.192+/-0.159 χ^2/NDF: 13651.4/38



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 764.053+/-371.971 χ^2/NDF:21.4/20

Right Out: 776.996+/-636.966 χ^2/NDF: 15.1/18

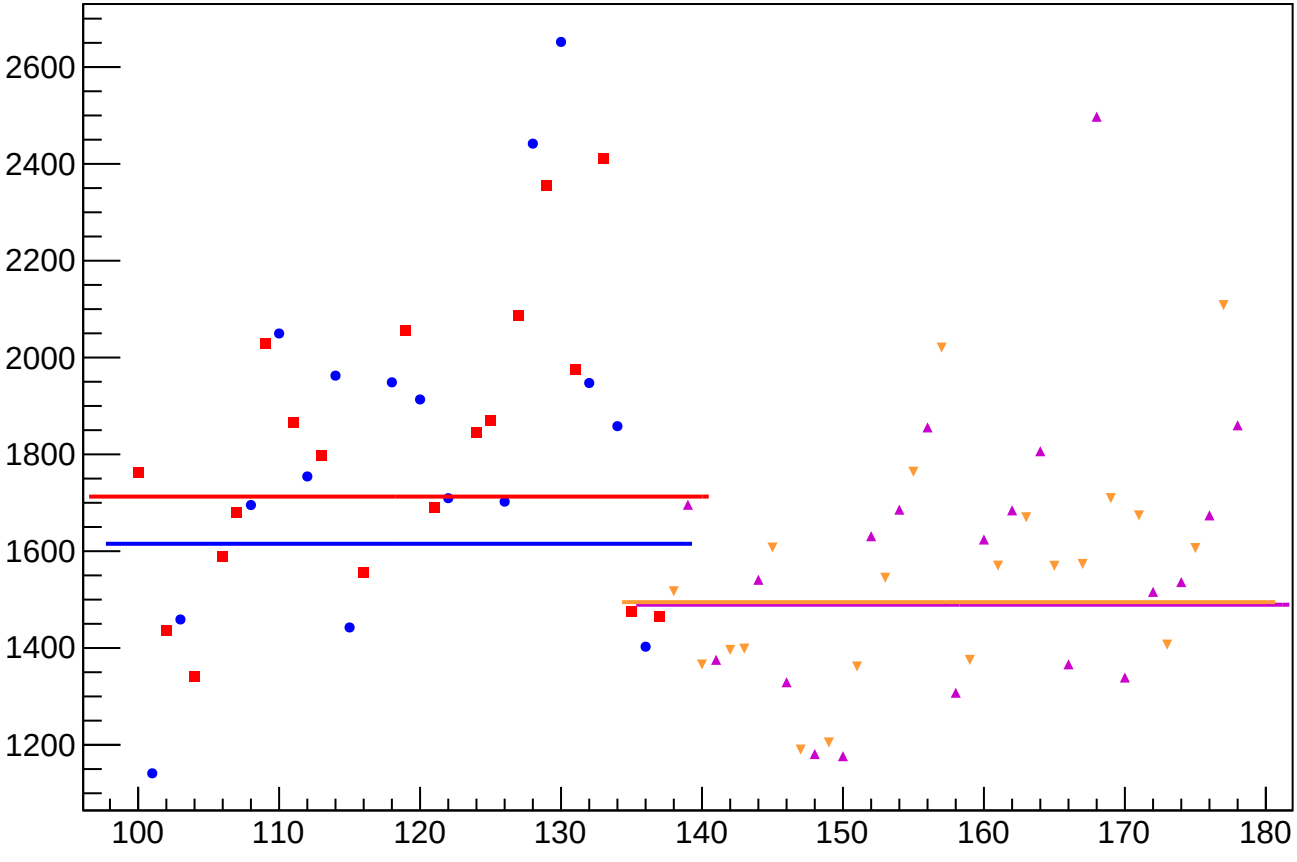
Left In: -12.189+/-374.982 χ^2/NDF:17.3/19

+ sign 586.422+/-318.709 χ^2/NDF: 39.2/36

All: 391.406+/-226.913 χ^2/NDF: 73.4/75

- sign 190.925+/-323.144 χ^2/NDF: 33.5/38

asym_usr_reg_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1494.785+/-0.263 χ^2/NDF:639017.5/20

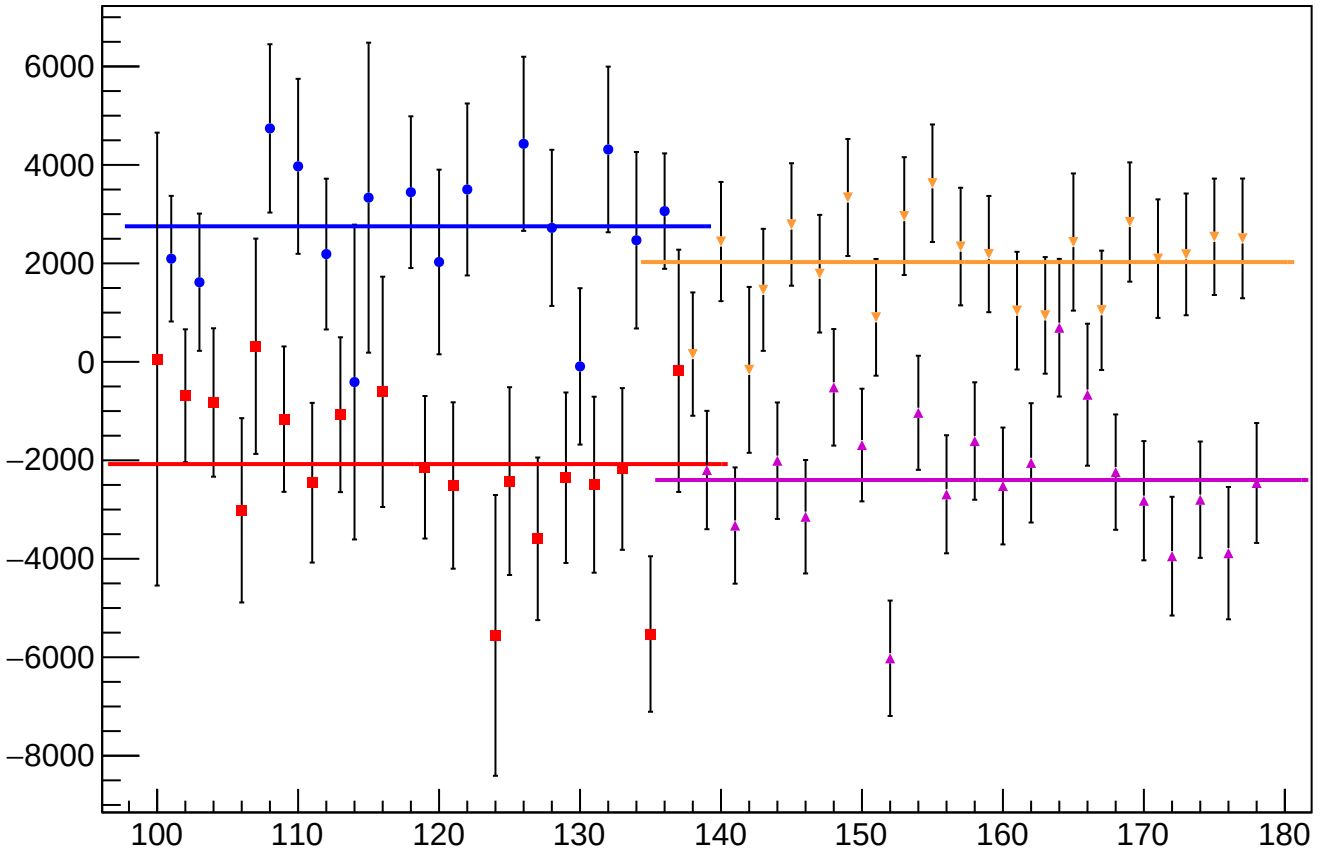
Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1489.443+/-0.265 χ^2/NDF:900530.0/19

+ sign 1526.831+/-0.225 χ^2/NDF: 1388479.5/36

All: 1536.741+/-0.160 χ^2/NDF: 2903621.7/75

- sign 1546.928+/-0.228 χ^2/NDF: 1511221.0/38



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 2026.715+/-267.885 χ^2/NDF:12.3/20

Right Out: -2076.471+/-403.796 χ^2/NDF: 12.5/18

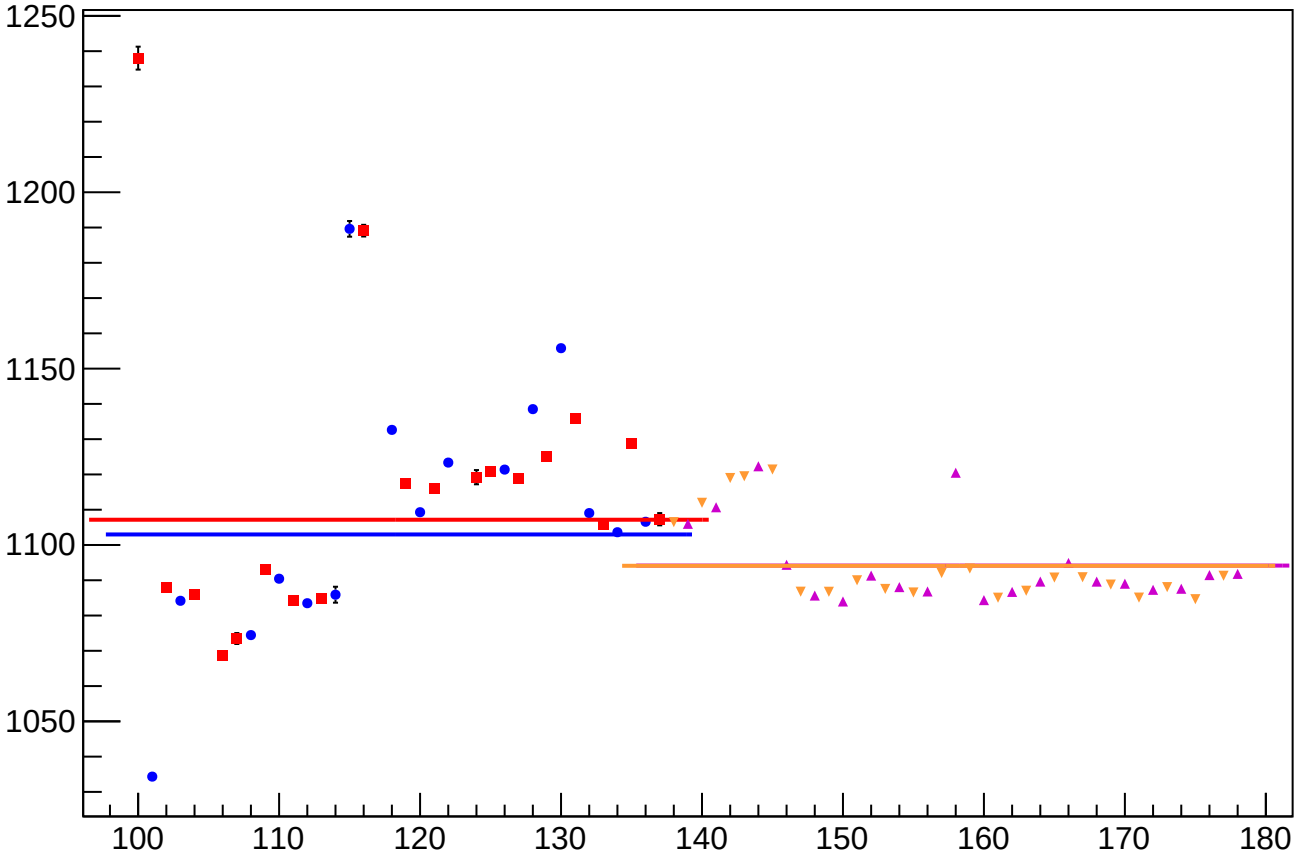
Left In: -2399.768+/-270.643 χ^2/NDF:25.1/19

+ sign 2244.164+/-224.233 χ^2/NDF: 24.0/36

All: -21.790+/-158.763 χ^2/NDF: 266.9/75

- sign -2299.553+/-224.816 χ^2/NDF: 38.1/38

cor_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1094.103+/-0.189 χ^2/NDF:3741.7/20

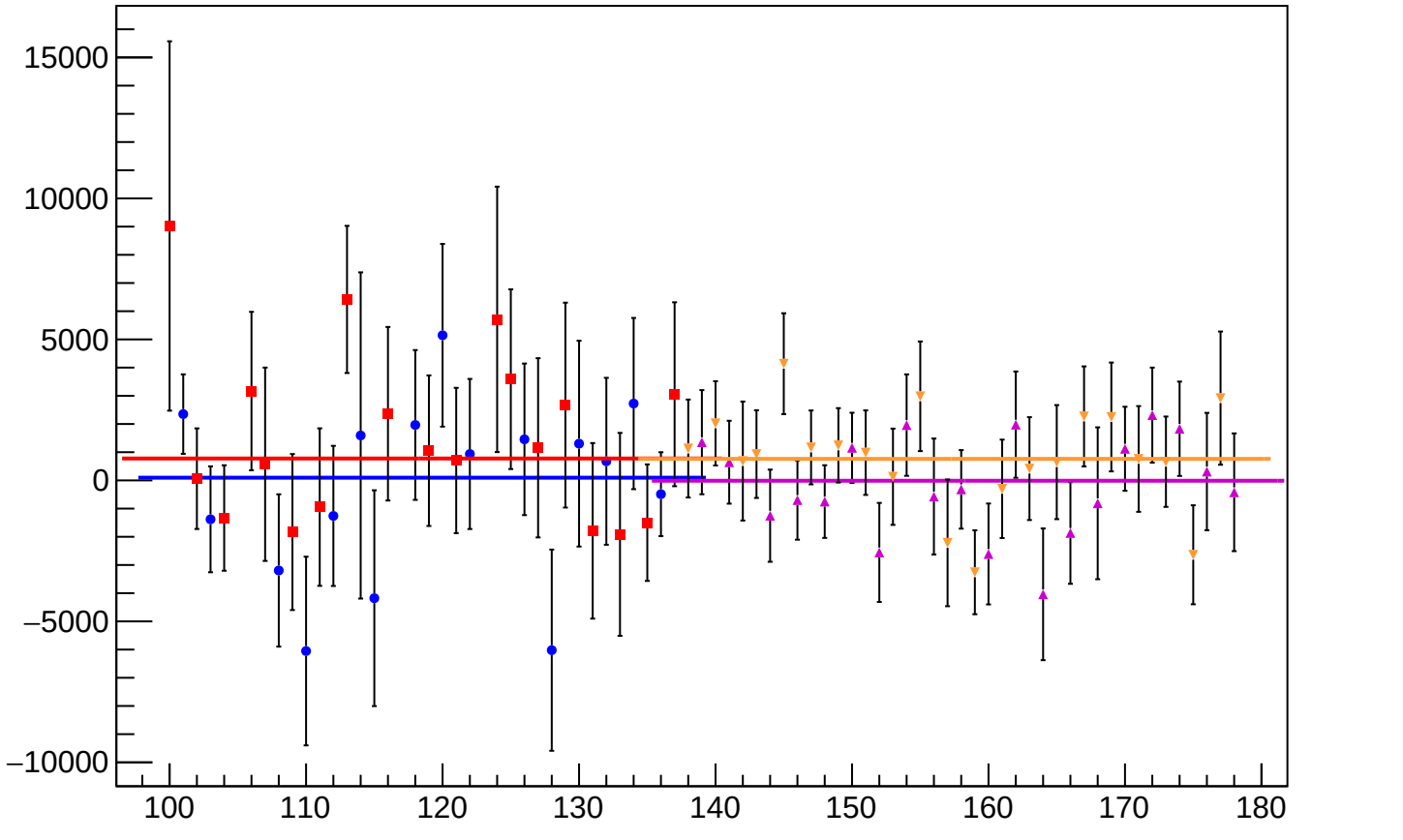
Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1094.164+/-0.191 χ^2/NDF:3538.6/19

+ sign 1096.762+/-0.159 χ^2/NDF: 17624.1/36

All: 1097.475+/-0.112 χ^2/NDF: 31316.1/75

- sign 1098.192+/-0.159 χ^2/NDF: 13651.4/38



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 764.053+/-371.971 χ^2/NDF:21.4/20

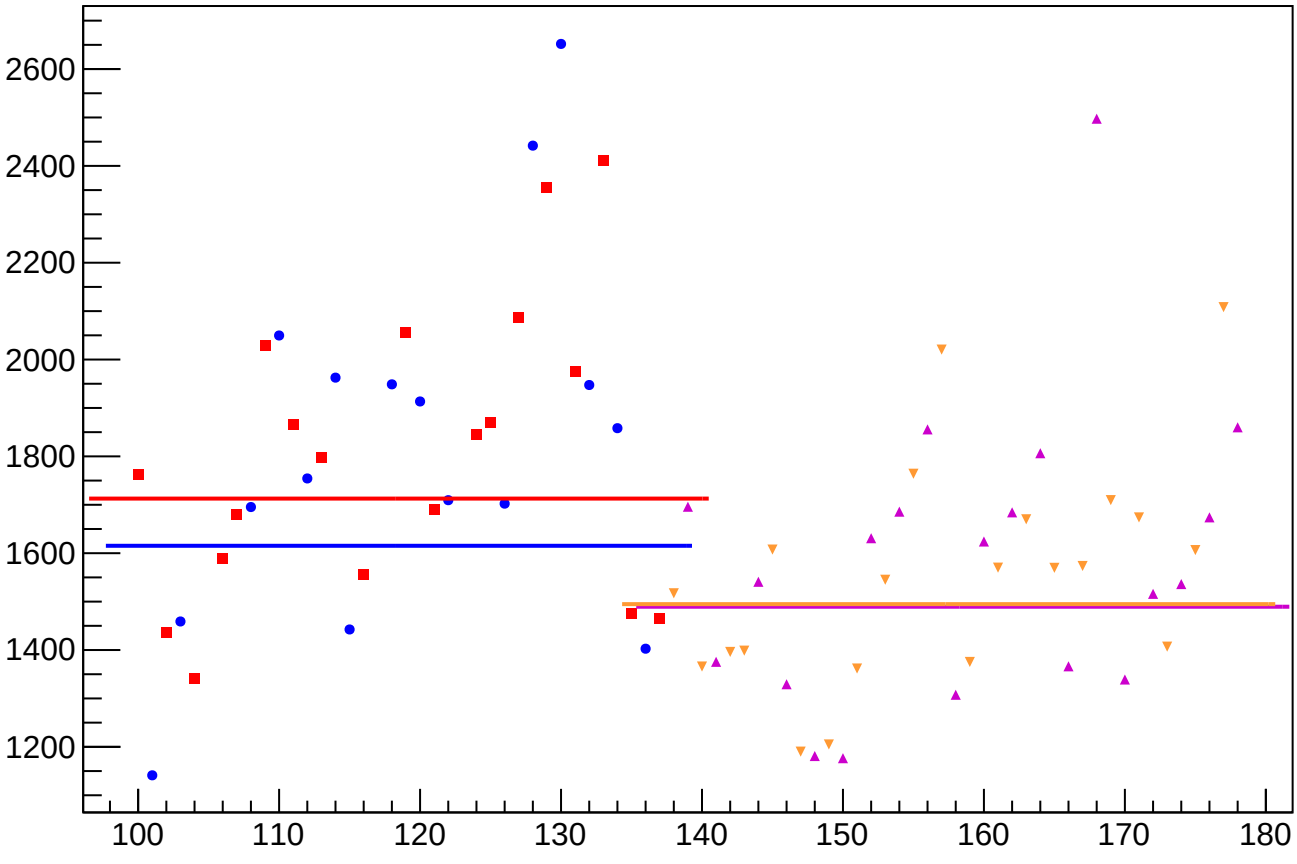
Right Out: 776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: -12.189+/-374.982 χ^2/NDF:17.3/19

+ sign 586.422+/-318.709 χ^2/NDF: 39.2/36

All: 391.406+/-226.913 χ^2/NDF: 73.4/75

- sign 190.925+/-323.144 χ^2/NDF: 33.5/38



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1494.785+/-0.263 χ^2/NDF:639017.5/20

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

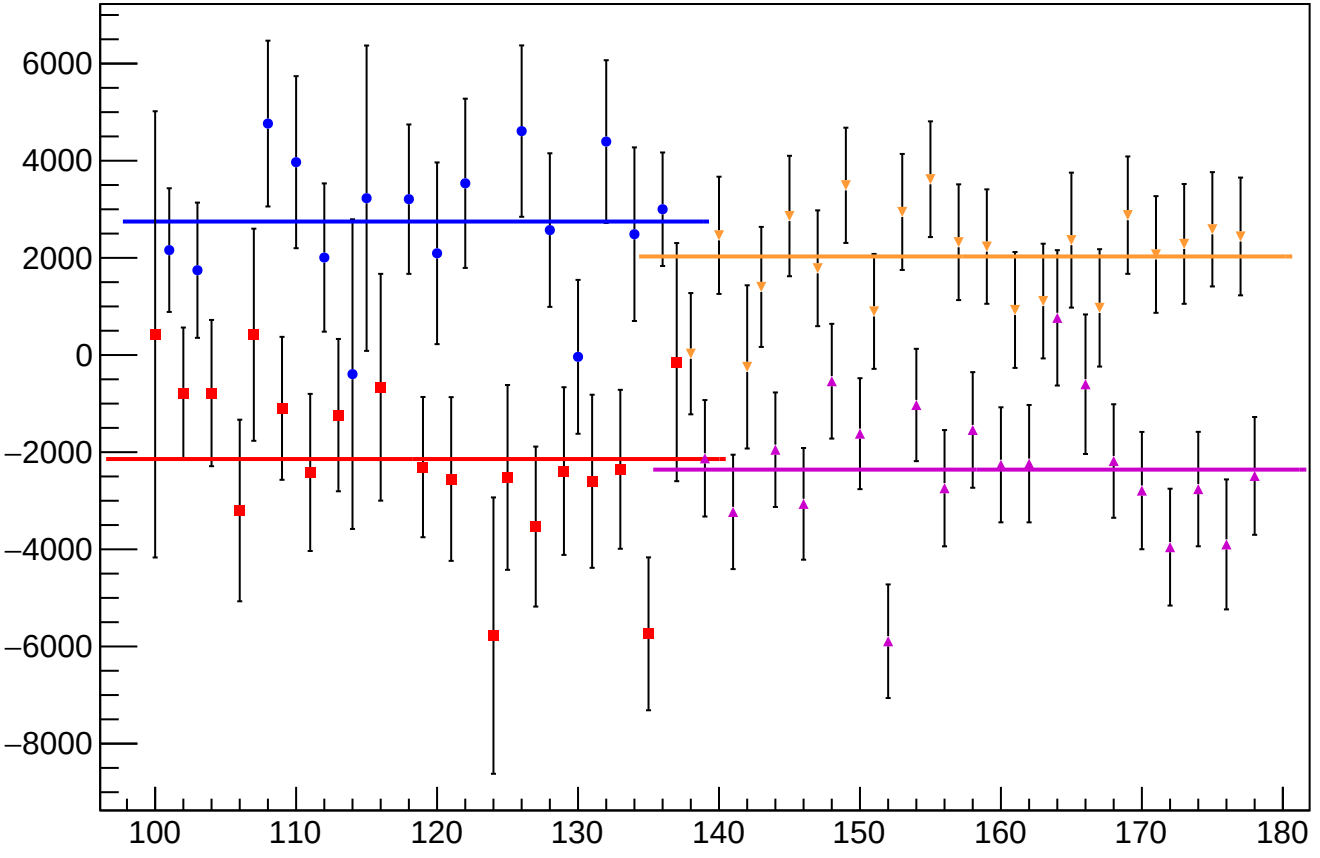
Left In: 1489.443+/-0.265 χ^2/NDF:900530.0/19

+ sign 1526.831+/-0.225 χ^2/NDF: 1388479.5/36

All: 1536.741+/-0.160 χ^2/NDF: 2903621.7/75

- sign 1546.928+/-0.228 χ^2/NDF: 1511221.0/38

overload_cor_asym_usr_mean vs Slug



Right In: 2747.939+/-408.759 χ^2/NDF: 9.5/15

Left Out: 2029.068+/-267.165 χ^2/NDF:13.3/20

Right Out: -2141.169+/-402.789 χ^2/NDF: 13.6/18

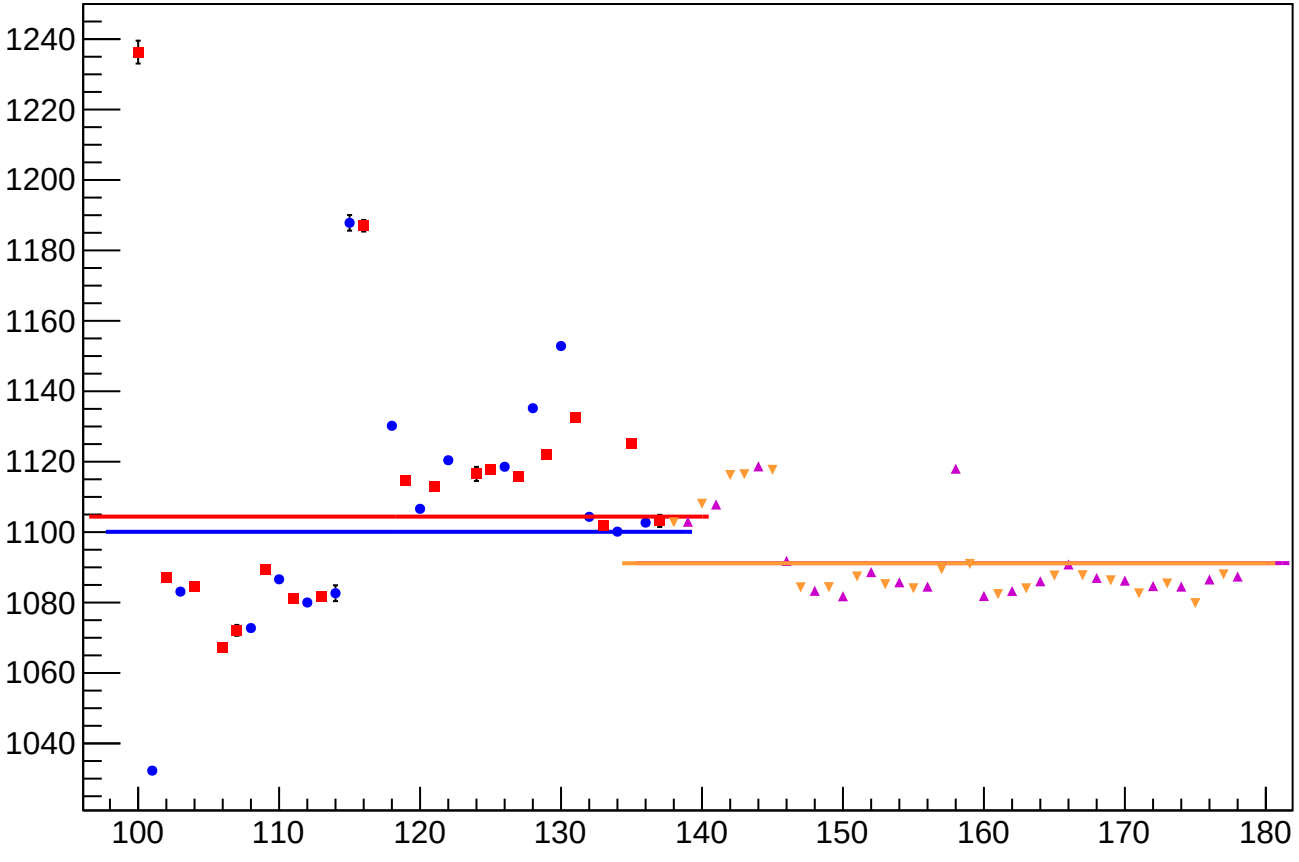
Left In: -2359.140+/-269.910 χ^2/NDF:24.8/19

+ sign 2244.243+/-223.634 χ^2/NDF: 25.0/36

All: -17.716+/-158.341 χ^2/NDF: 268.7/75

- sign -2291.594+/-224.223 χ^2/NDF: 38.6/38

overload_cor_asym_usr_rms vs Slug



Right In: 1100.090+/-0.289 χ^2/NDF: 13077.1/15

Left Out: 1091.165+/-0.189 χ^2/NDF:3623.8/20

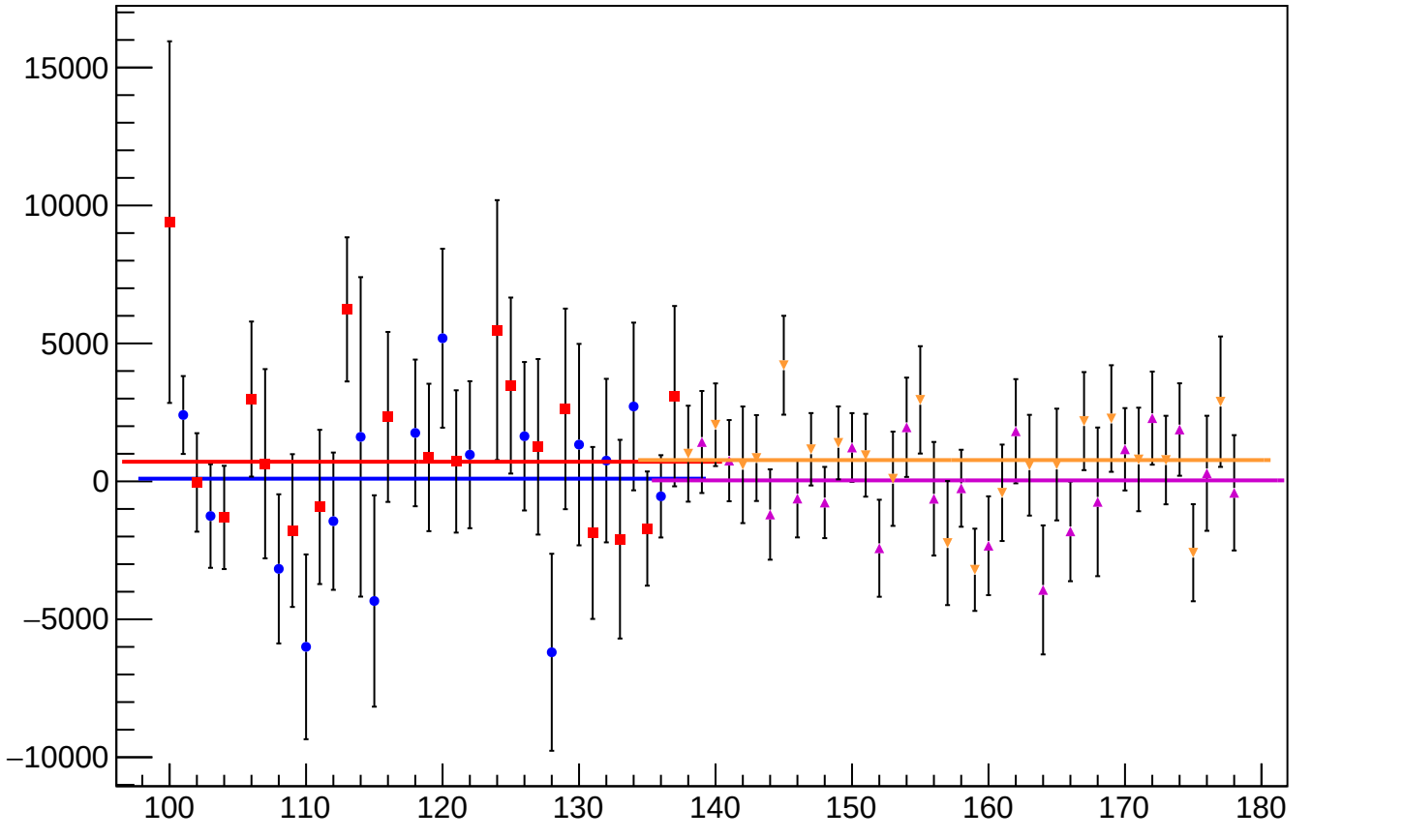
Right Out: 1104.403+/-0.285 χ^2/NDF: 8543.5/18

Left In: 1091.201+/-0.191 χ^2/NDF:3499.1/19

+ sign 1093.837+/-0.158 χ^2/NDF: 17369.0/36

All: 1094.563+/-0.112 χ^2/NDF: 30936.6/75

- sign 1095.292+/-0.159 χ^2/NDF: 13525.3/38



Right In: 97.435+/-618.876 χ^2/NDF: 17.2/15

Left Out: 771.264+/-372.533 χ^2/NDF:21.2/20

Right Out: 711.287+/-637.587 χ^2/NDF: 14.9/18

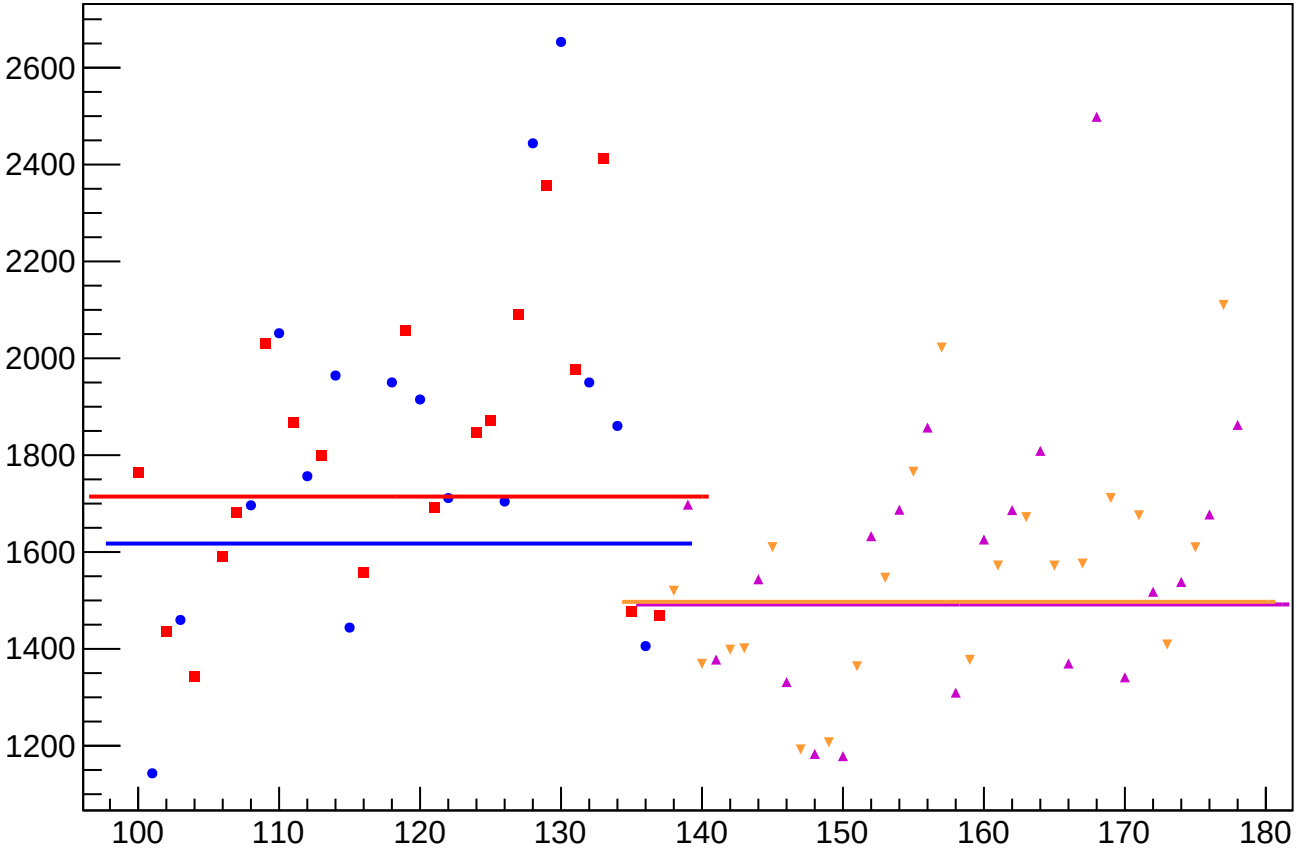
Left In: 35.485+/-375.543 χ^2/NDF:16.4/19

+ sign 592.045+/-319.169 χ^2/NDF: 39.3/36

All: 403.425+/-227.232 χ^2/NDF: 72.2/75

- sign 209.552+/-323.584 χ^2/NDF: 32.2/38

asym_usr_overload_cor_correction_rms vs Slug



Right In: 1617.491+/-0.438 χ^2/NDF: 691725.3/15

Left Out: 1497.141+/-0.263 χ^2/NDF:636562.7/20

Right Out: 1714.508+/-0.451 χ^2/NDF: 427709.9/18

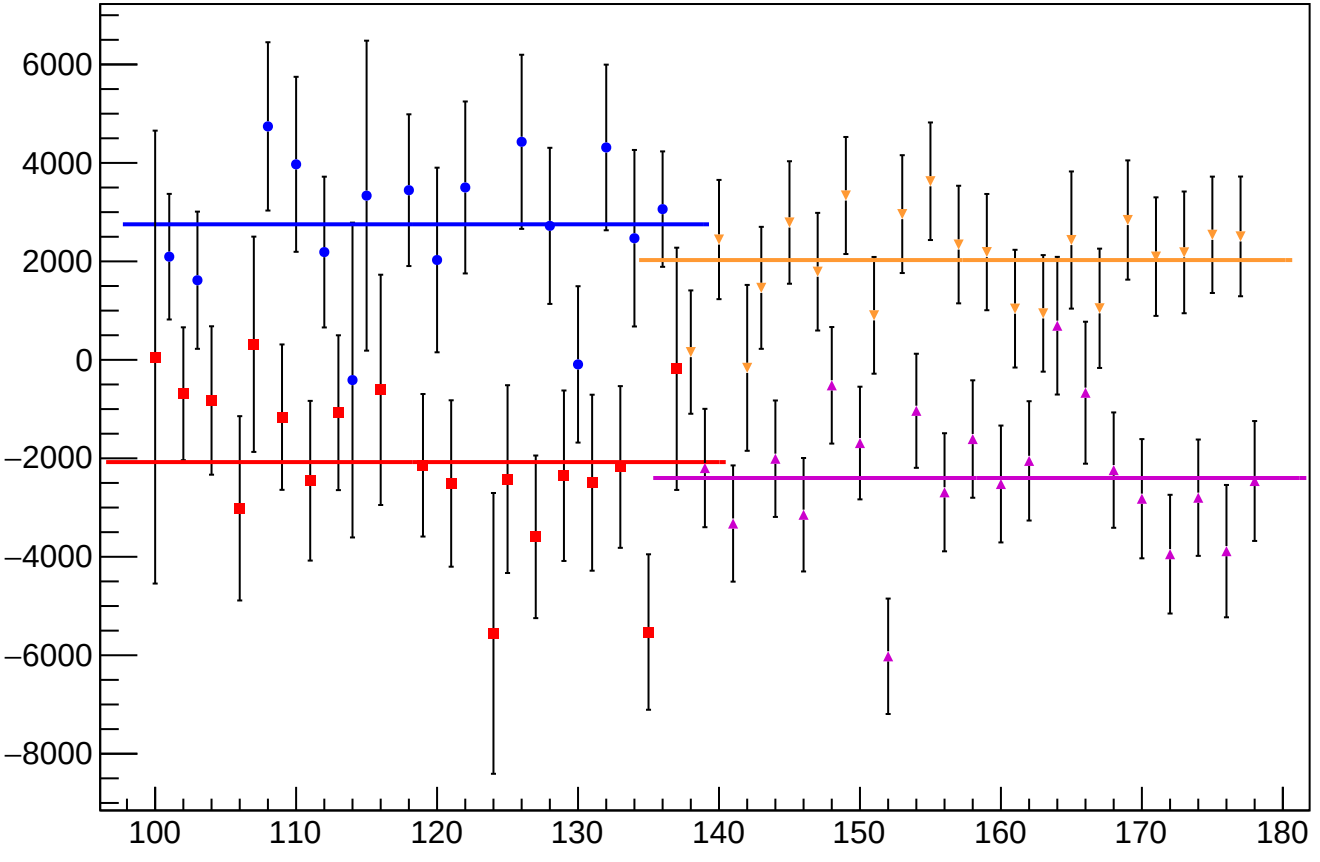
Left In: 1491.762+/-0.266 χ^2/NDF:897618.7/19

+ sign 1529.150+/-0.226 χ^2/NDF: 1383805.5/36

All: 1539.005+/-0.161 χ^2/NDF: 2894228.8/75

- sign 1549.134+/-0.229 χ^2/NDF: 1506556.8/38

eigen_cor_asym_usr_mean vs Slug



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 2026.715+/-267.885 χ^2/NDF:12.3/20

Right Out: -2076.471+/-403.796 χ^2/NDF: 12.5/18

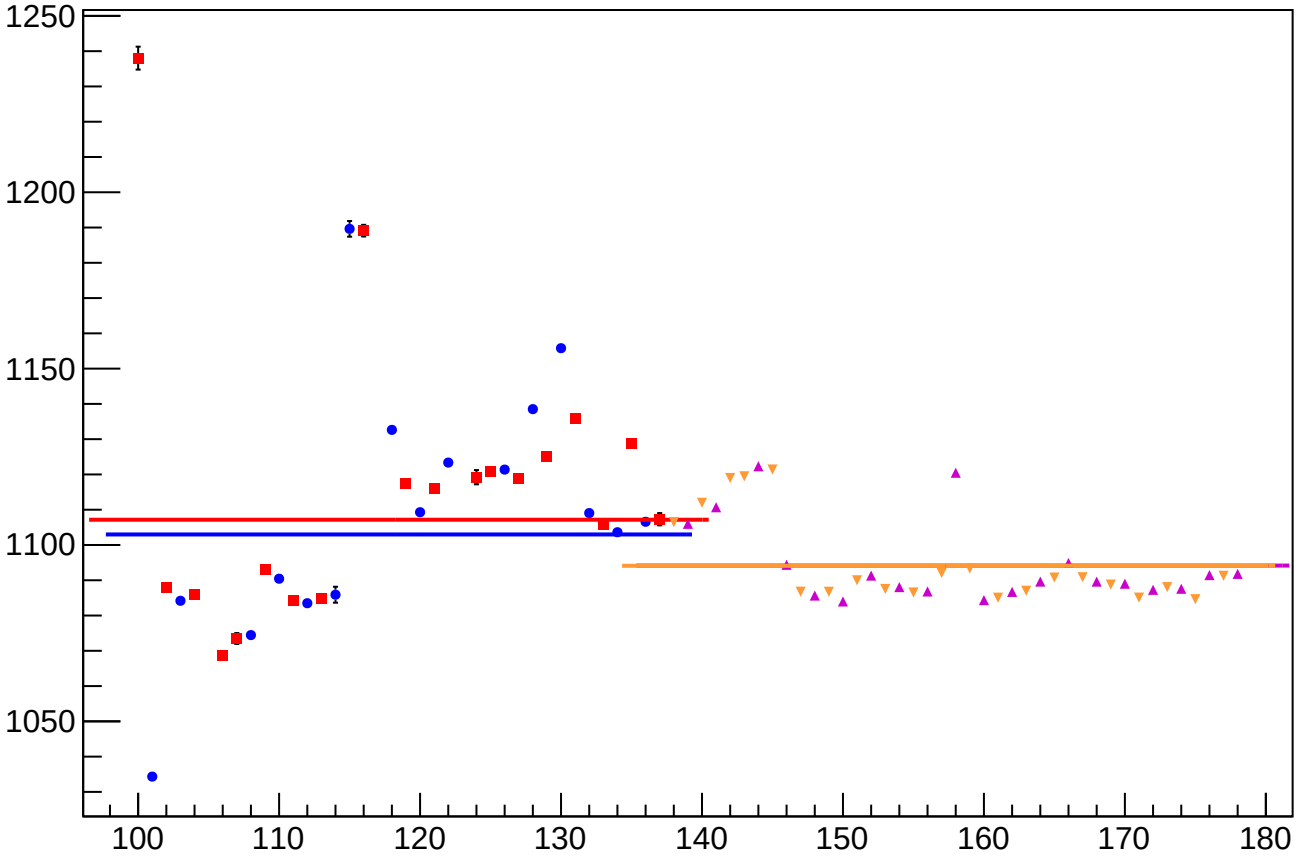
Left In: -2399.768+/-270.643 χ^2/NDF:25.1/19

+ sign 2244.164+/-224.233 χ^2/NDF: 24.0/36

All: -21.790+/-158.763 χ^2/NDF: 266.9/75

- sign -2299.553+/-224.816 χ^2/NDF: 38.1/38

eigen_cor_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1094.103+/-0.189 χ^2/NDF:3741.7/20

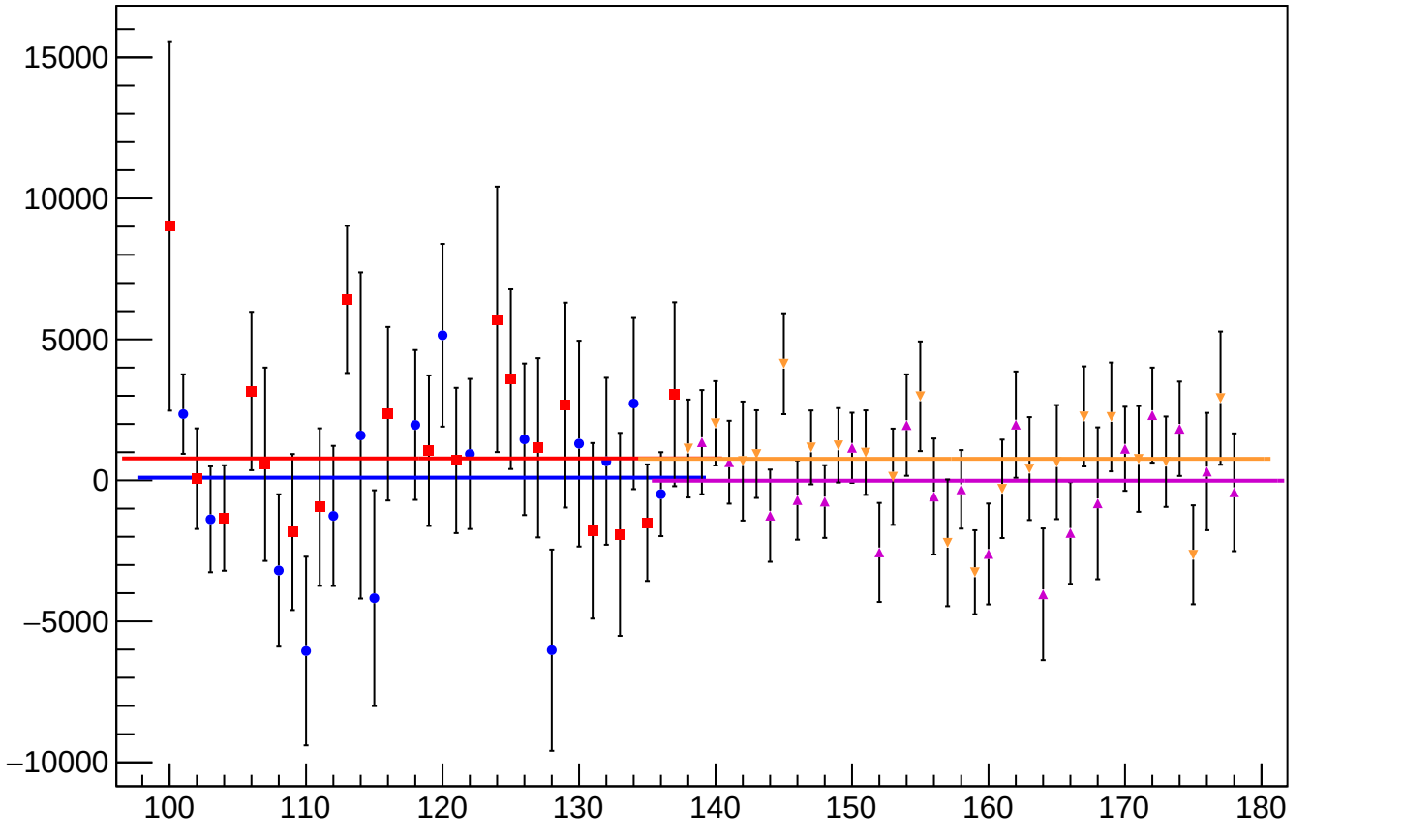
Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1094.164+/-0.191 χ^2/NDF:3538.6/19

+ sign 1096.762+/-0.159 χ^2/NDF: 17624.1/36

All: 1097.475+/-0.112 χ^2/NDF: 31316.1/75

- sign 1098.192+/-0.159 χ^2/NDF: 13651.4/38



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 764.053+/-371.971 χ^2/NDF:21.4/20

Right Out: 776.996+/-636.966 χ^2/NDF: 15.1/18

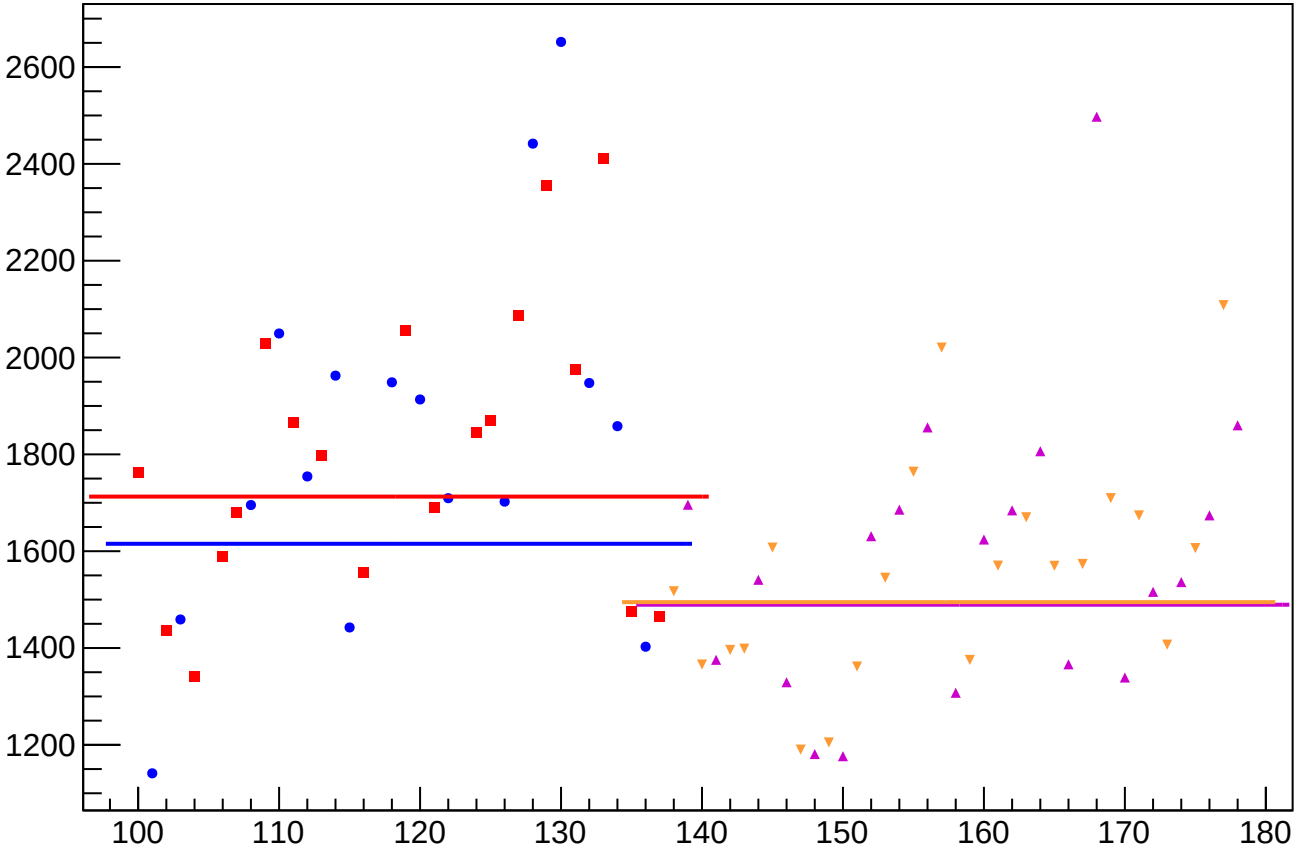
Left In: -12.189+/-374.982 χ^2/NDF:17.3/19

+ sign 586.422+/-318.709 χ^2/NDF: 39.2/36

All: 391.406+/-226.913 χ^2/NDF: 73.4/75

- sign 190.925+/-323.144 χ^2/NDF: 33.5/38

asym_usr_eigen_cor_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1494.785+/-0.263 χ^2/NDF:639017.5/20

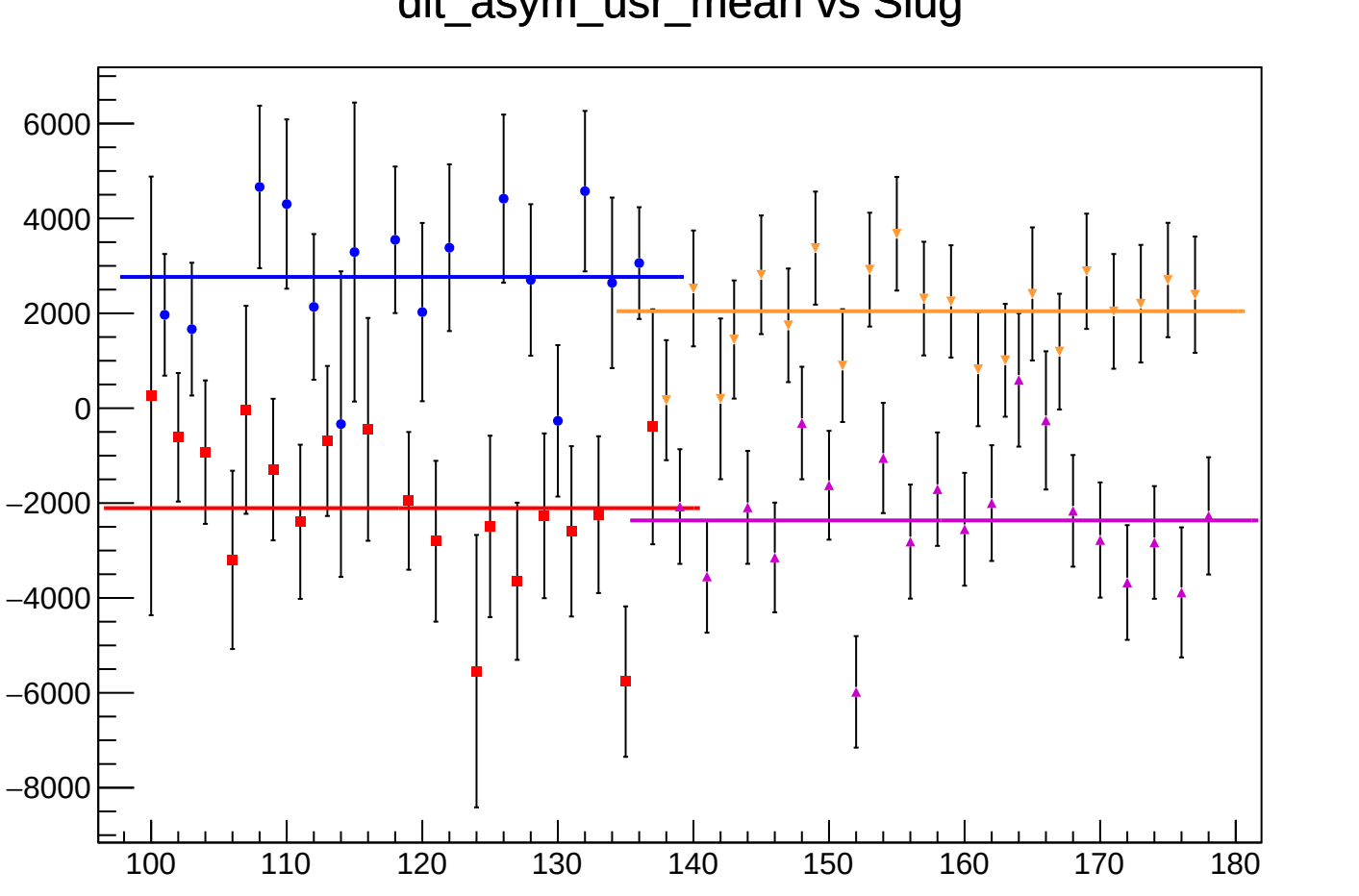
Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1489.443+/-0.265 χ^2/NDF:900530.0/19

+ sign 1526.831+/-0.225 χ^2/NDF: 1388479.5/36

All: 1536.741+/-0.160 χ^2/NDF: 2903621.7/75

- sign 1546.928+/-0.228 χ^2/NDF: 1511221.0/38



Right In: 2766.657+/-411.563 χ^2/NDF: 10.3/15

Left Out: 2044.221+/-269.305 χ^2/NDF:12.1/20

Right Out: -2106.358+/-405.586 χ^2/NDF: 13.4/18

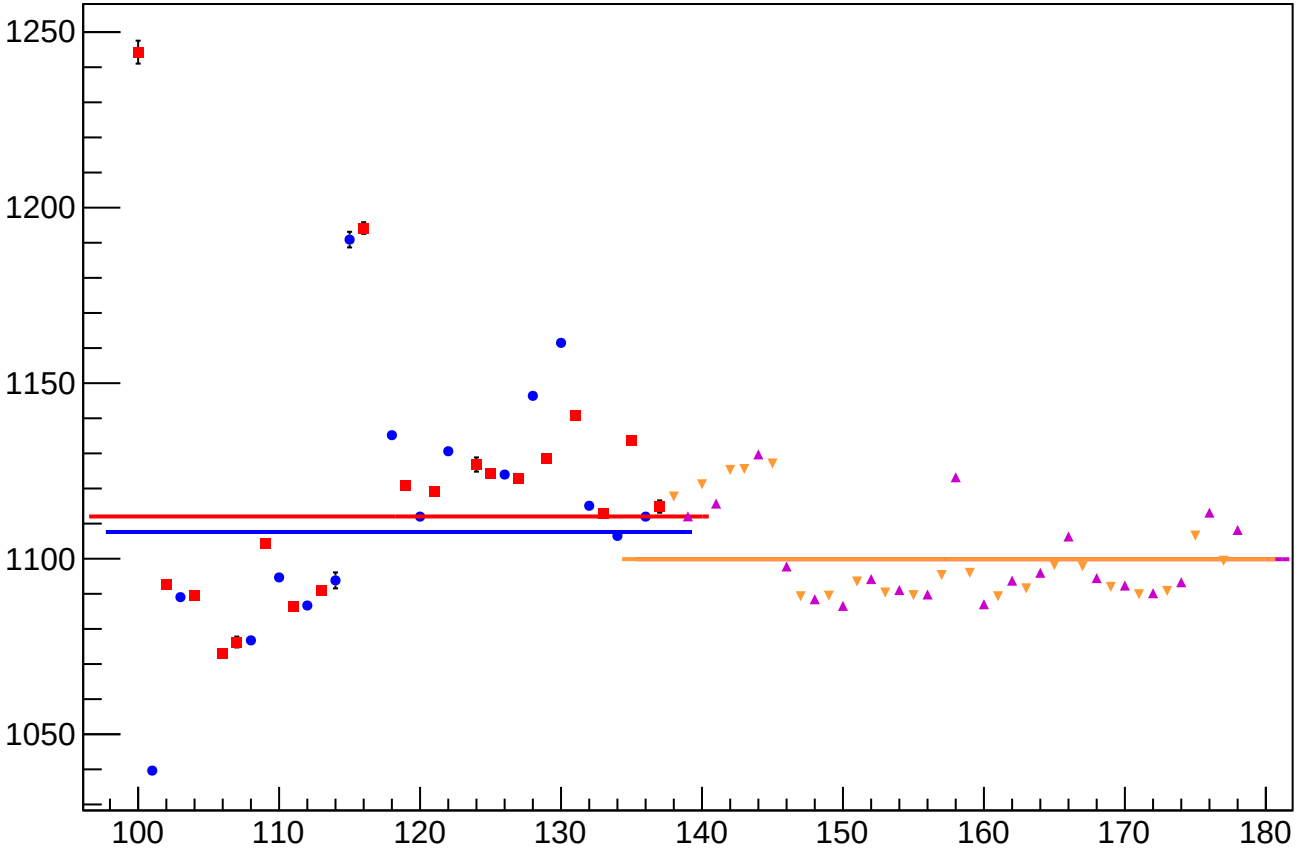
Left In: -2365.374+/-272.059 χ^2/NDF:25.5/19

+ sign 2260.809+/-225.348 χ^2/NDF: 24.6/36

All: -6.166+/-159.553 χ^2/NDF: 266.6/75

- sign -2284.996+/-225.937 χ^2/NDF: 39.1/38

dit_asym_usr_rms vs Slug



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.8/15

Left Out: 1099.878+/-0.190 χ^2/NDF:4597.2/20

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

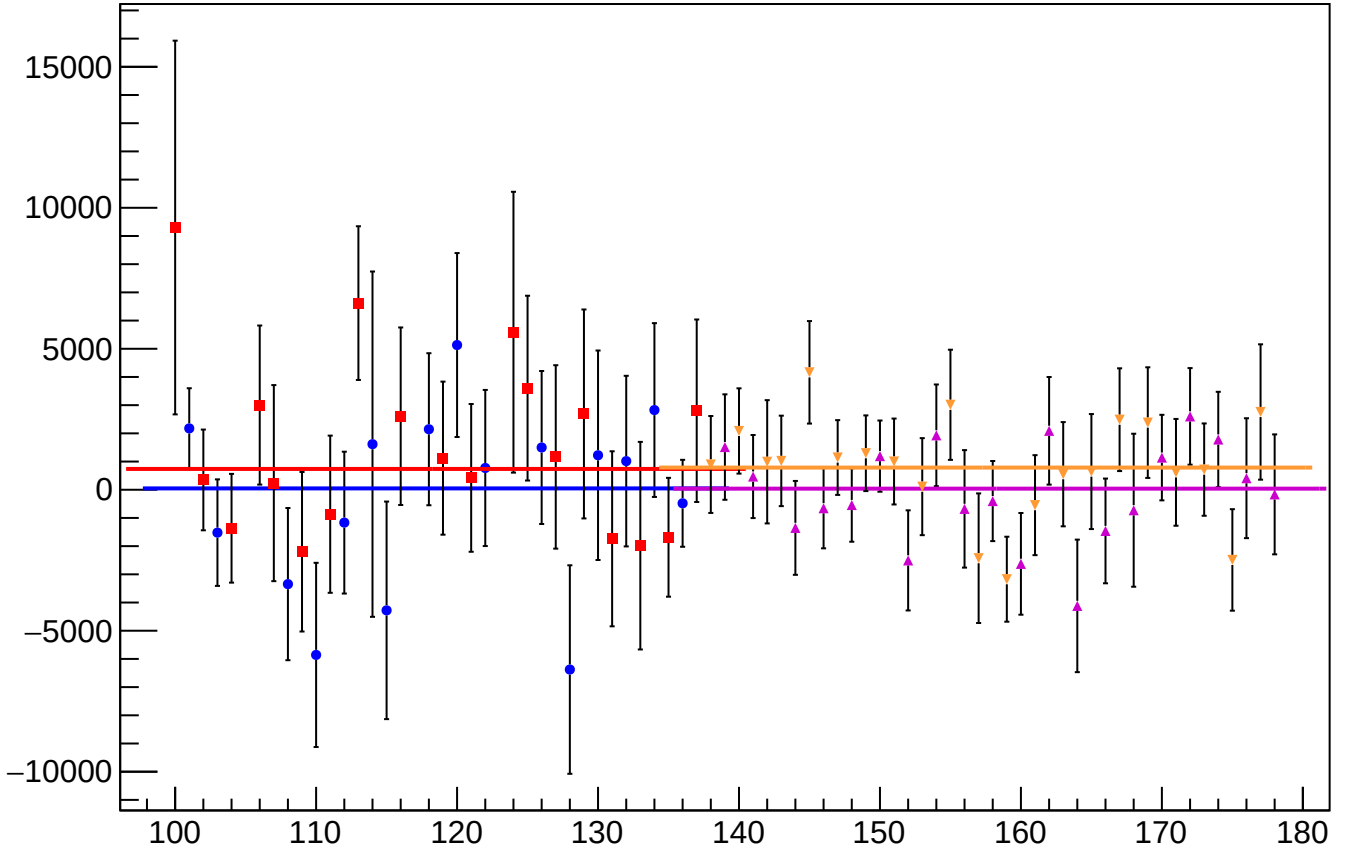
Left In: 1099.858+/-0.192 χ^2/NDF:4263.6/19

\+ sign 1102.197+/-0.159 χ^2/NDF: 18312.8/36

All: 1102.914+/-0.113 χ^2/NDF: 32512.7/75

\- sign 1103.635+/-0.160 χ^2/NDF: 14159.3/38

asym_usr_dit_correction_mean vs Slug



Right In: 47.817+/-628.060 χ^2/NDF: 16.9/15

Left Out: 786.322+/-377.782 χ^2/NDF:20.9/20

Right Out: 738.185+/-647.795 χ^2/NDF: 14.9/18

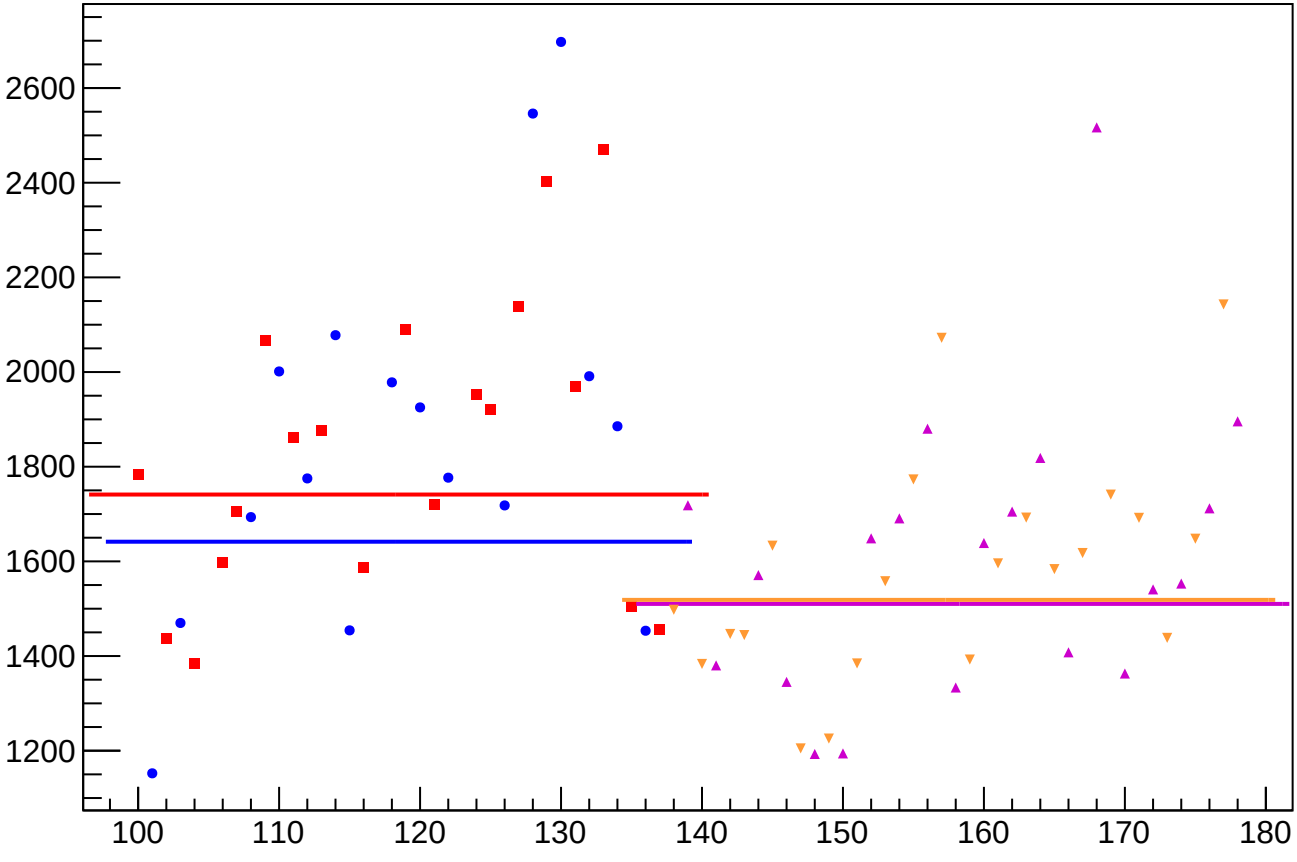
Left In: 38.904+/-379.993 χ^2/NDF:17.1/19

+ sign 590.114+/-323.730 χ^2/NDF: 38.8/36

All: 406.323+/-230.325 χ^2/NDF: 72.4/75

- sign 217.923+/-327.764 χ^2/NDF: 32.9/38

asym_usr_dit_correction_rms vs Slug



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1518.648+/-0.267 χ^2/NDF:640899.7/20

Right Out: 1741.200+/-0.458 χ^2/NDF: 438336.6/18

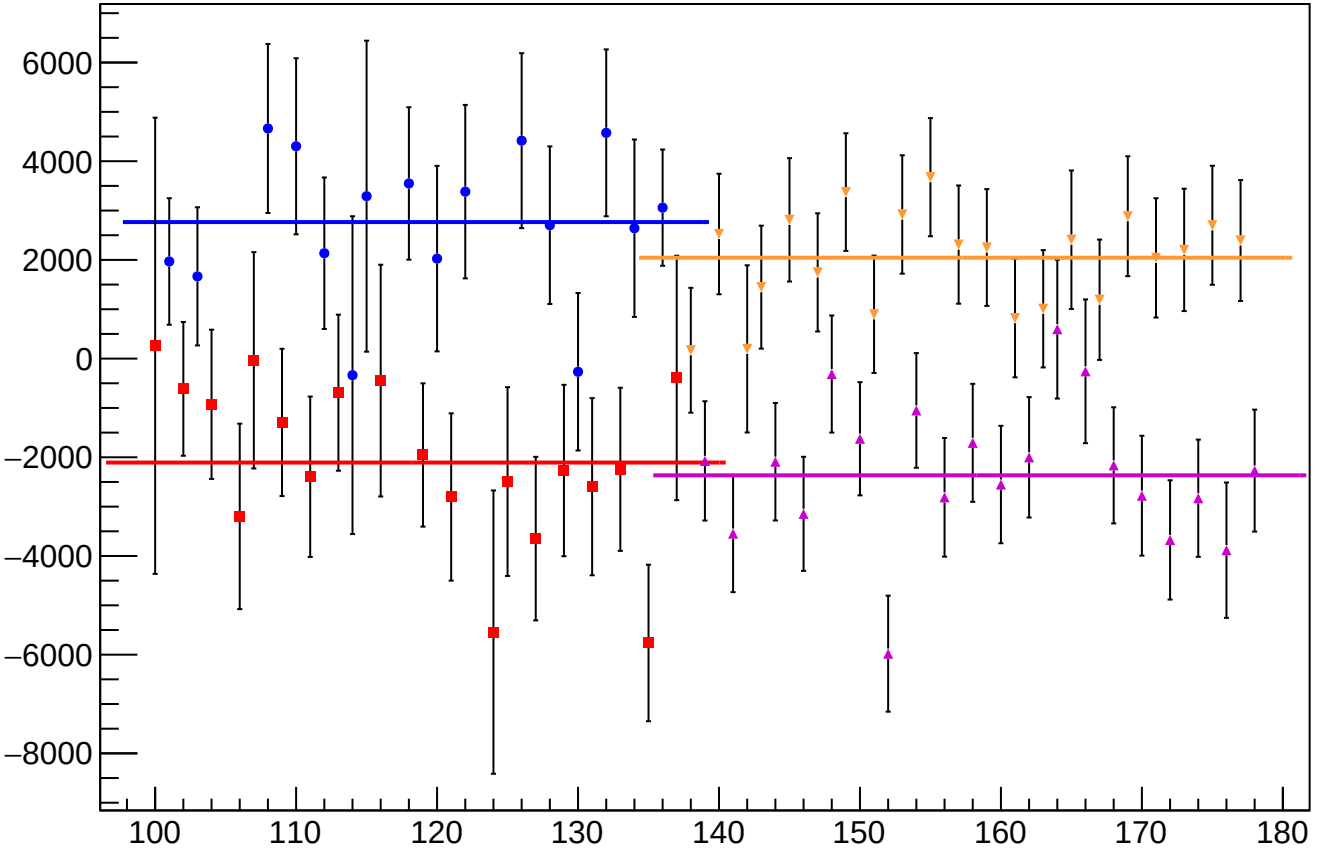
Left In: 1510.127+/-0.269 χ^2/NDF:891455.9/19

+ sign 1551.297+/-0.229 χ^2/NDF: 1398438.1/36

All: 1560.179+/-0.163 χ^2/NDF: 2920610.6/75

- sign 1569.283+/-0.232 χ^2/NDF: 1519124.3/38

eigen_dit_asym_usr_mean vs Slug



Right In: 2766.656+/-411.563 χ^2/NDF: 10.3/15

Left Out: 2044.220+/-269.305 χ^2/NDF:12.1/20

Right Out: -2106.360+/-405.586 χ^2/NDF: 13.4/18

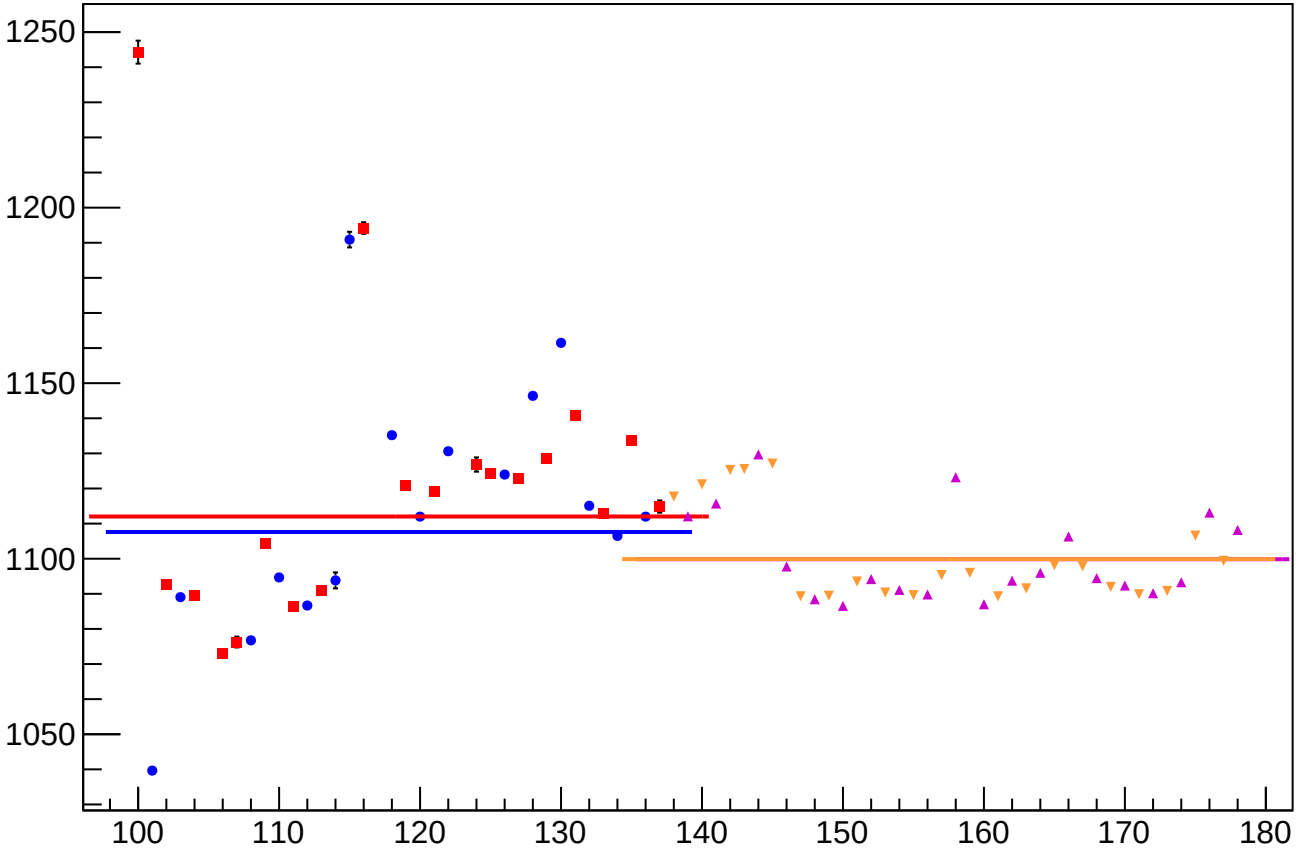
Left In: -2365.374+/-272.059 χ^2/NDF:25.5/19

+ sign 2260.808+/-225.348 χ^2/NDF: 24.6/36

All: -6.167+/-159.553 χ^2/NDF: 266.6/75

- sign -2284.997+/-225.937 χ^2/NDF: 39.1/38

eigen_dit_asym_usr_rms vs Slug



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1099.878+/-0.190 χ^2/NDF:4597.2/20

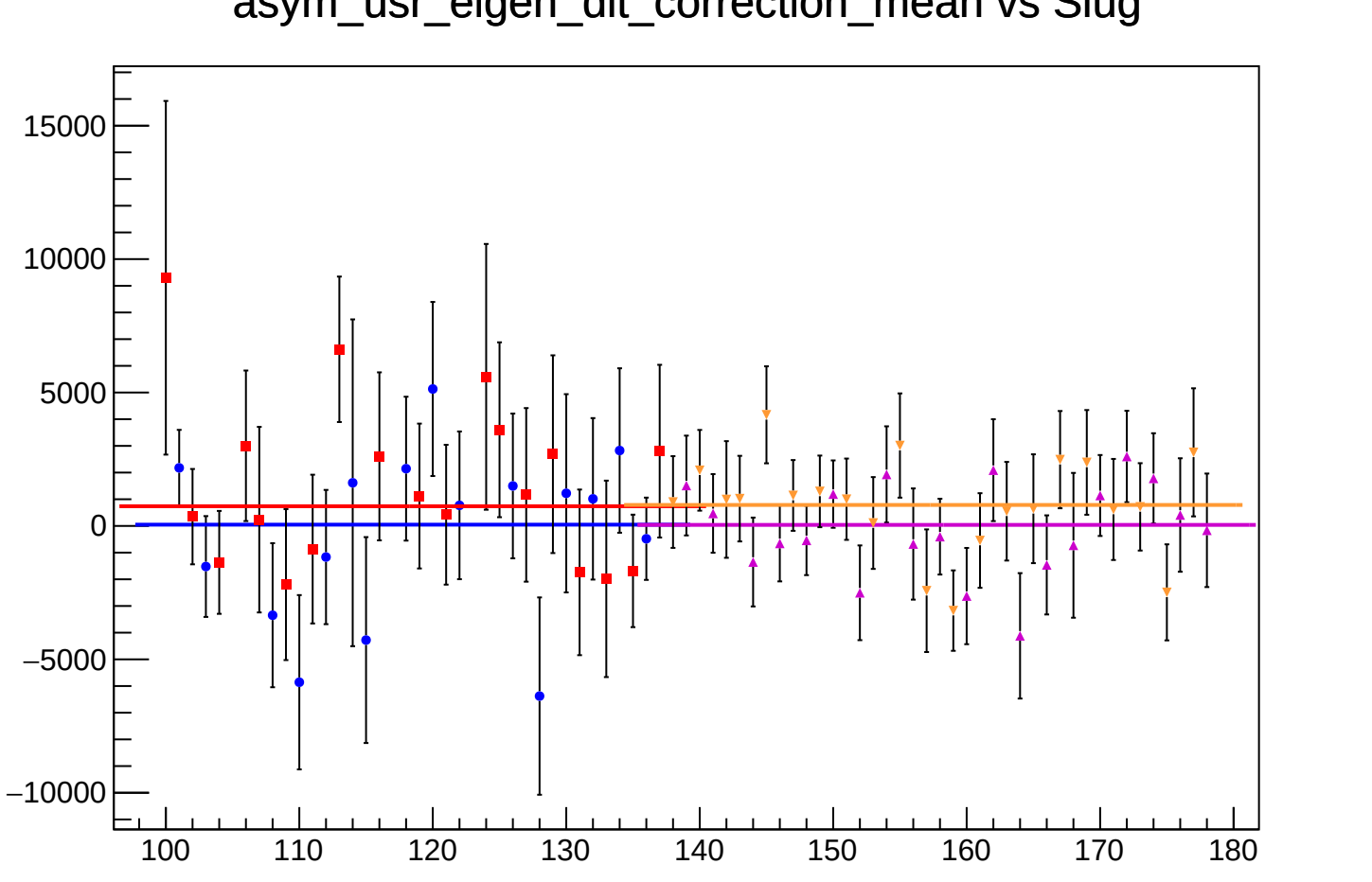
Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1099.858+/-0.192 χ^2/NDF:4263.6/19

+ sign 1102.197+/-0.159 χ^2/NDF: 18312.6/36

All: 1102.914+/-0.113 χ^2/NDF: 32512.5/75

- sign 1103.635+/-0.160 χ^2/NDF: 14159.3/38



Right In: 47.813+/-628.059 χ^2/NDF: 16.9/15

Left Out: 786.321+/-377.783 χ^2/NDF:20.9/20

Right Out: 738.188+/-647.795 χ^2/NDF: 14.9/18

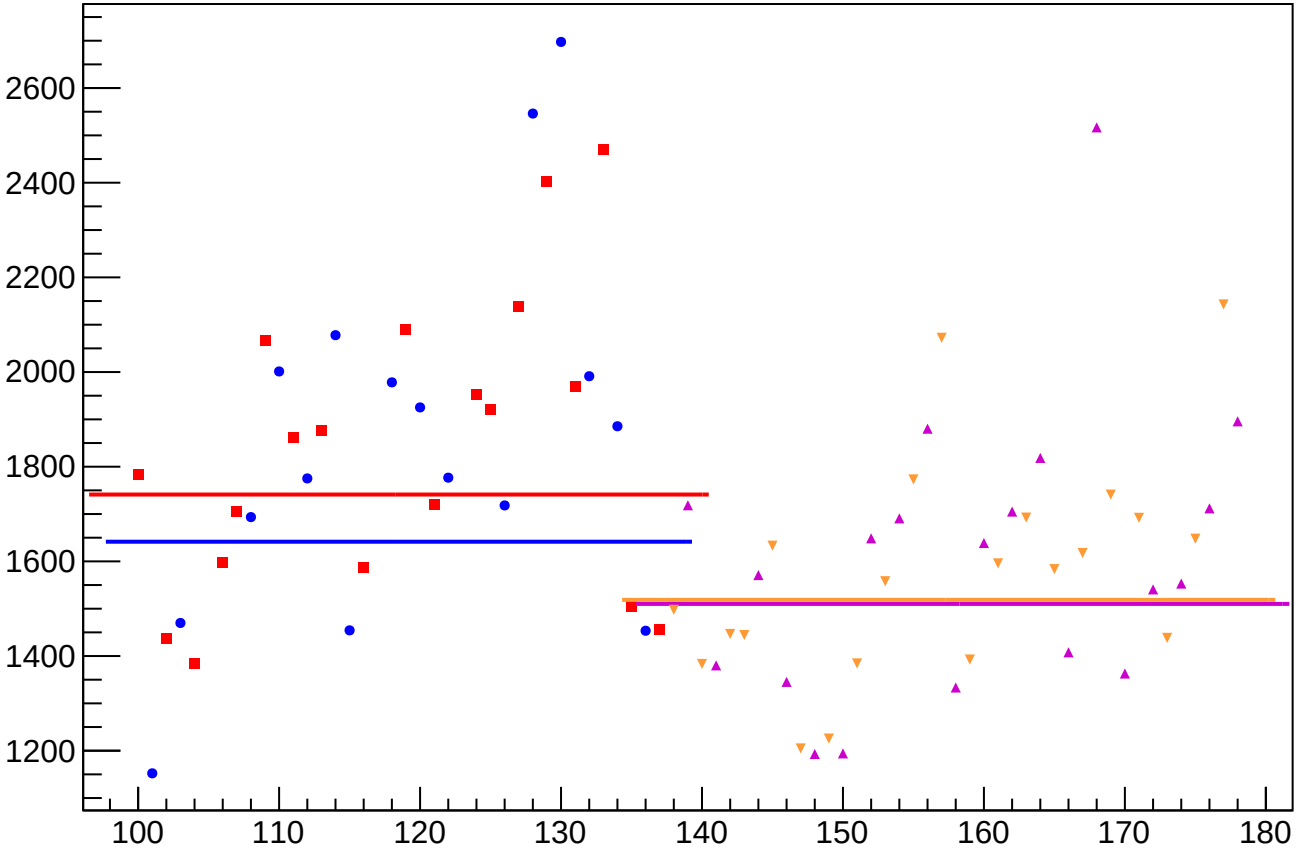
Left In: 38.903+/-379.994 χ^2/NDF:17.1/19

+ sign 590.111+/-323.731 χ^2/NDF: 38.8/36

All: 406.322+/-230.325 χ^2/NDF: 72.4/75

- sign 217.924+/-327.764 χ^2/NDF: 32.9/38

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1518.651+/-0.267 χ^2/NDF:640903.7/20

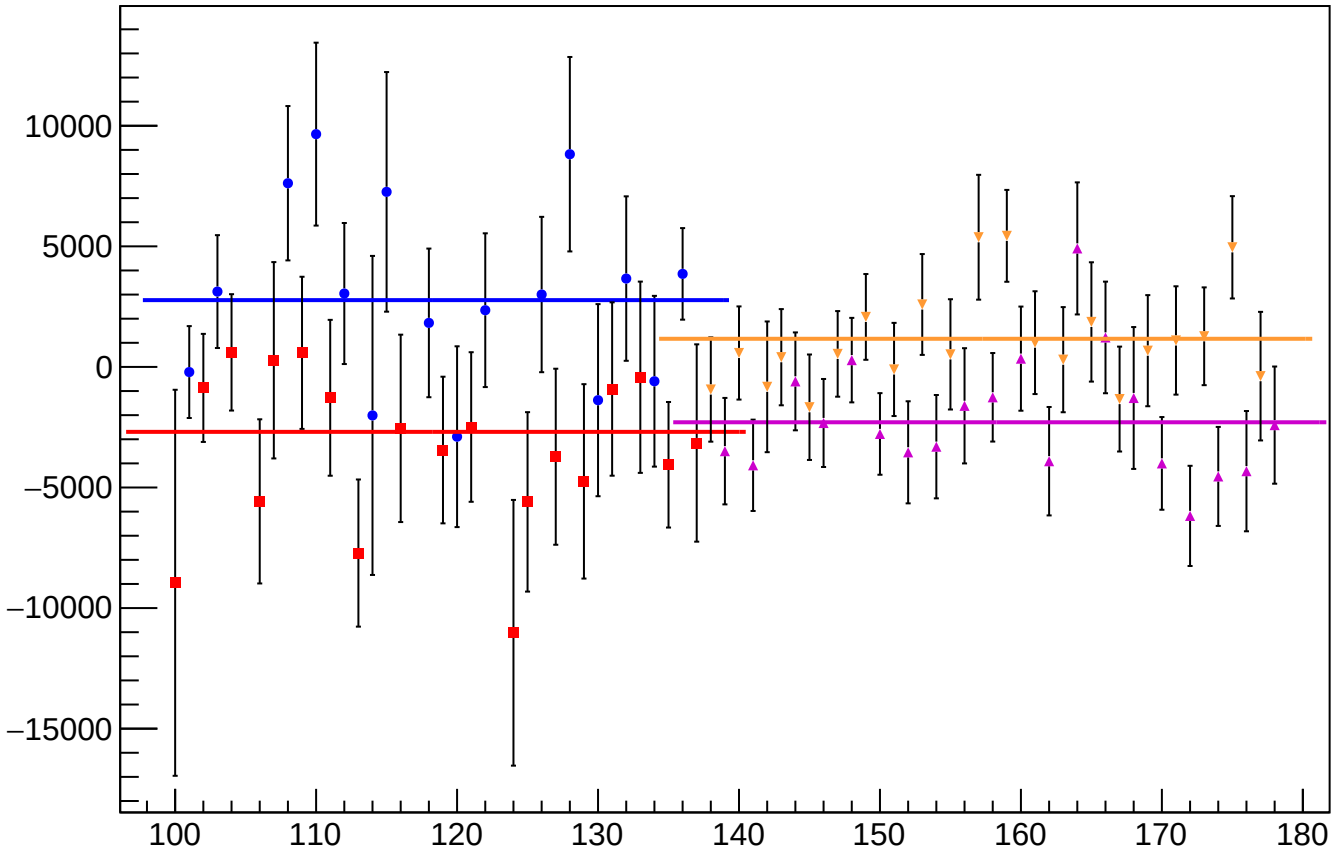
Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1510.131+/-0.269 χ^2/NDF:891461.3/19

+ sign 1551.300+/-0.229 χ^2/NDF: 1398424.6/36

All: 1560.181+/-0.163 χ^2/NDF: 2920582.0/75

- sign 1569.285+/-0.232 χ^2/NDF: 1519109.0/38



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: 1167.182+/-465.097 χ^2/NDF:17.6/20

Right Out: -2692.625+/-765.754 χ^2/NDF: 12.5/18

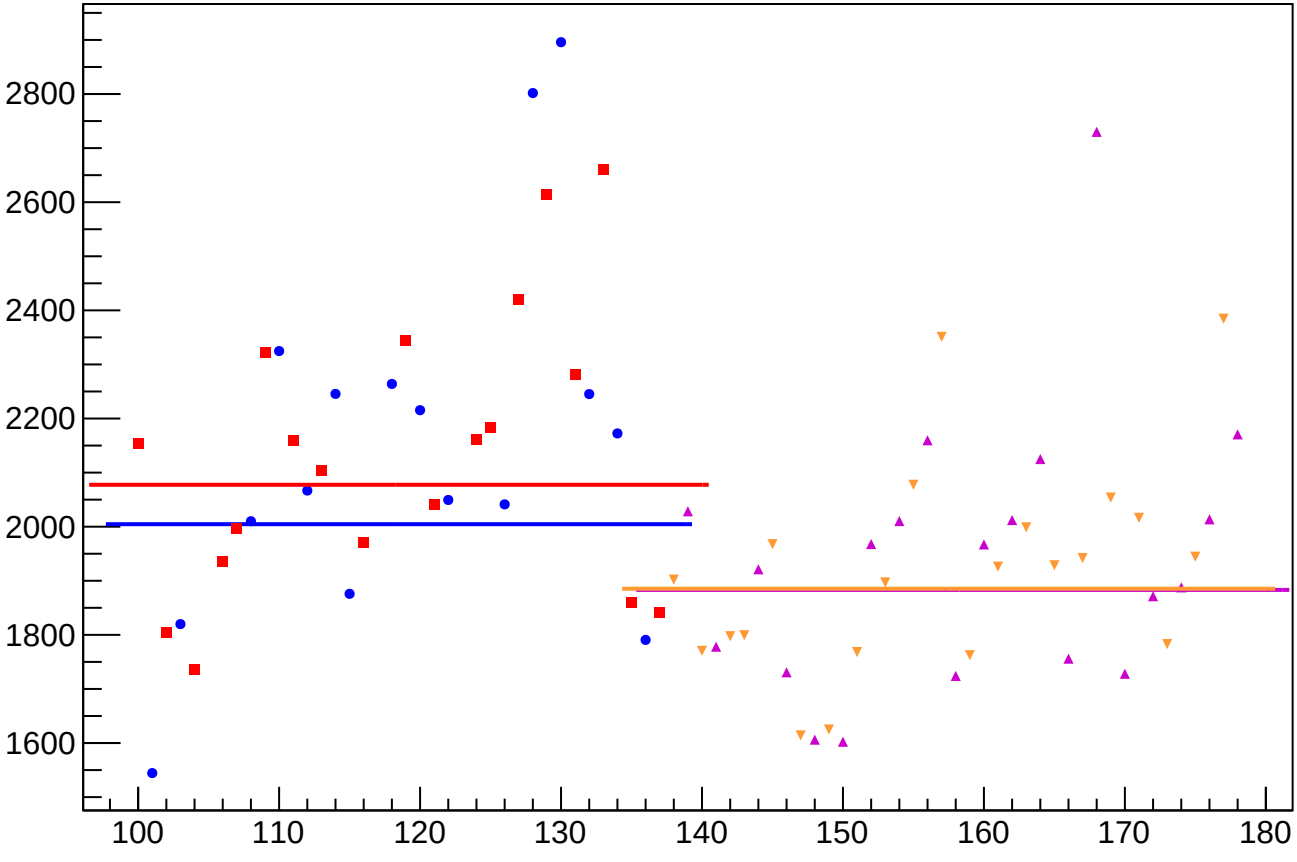
Left In: -2295.213+/-469.698 χ^2/NDF:22.6/19

+ sign 1606.309+/-396.294 χ^2/NDF: 37.3/36

All: -378.208+/-281.656 χ^2/NDF: 123.3/75

- sign -2403.858+/-400.380 χ^2/NDF: 35.3/38

asym_usr_rms vs Slug



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1885.317+/-0.329 χ^2/NDF:302413.3/20

Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

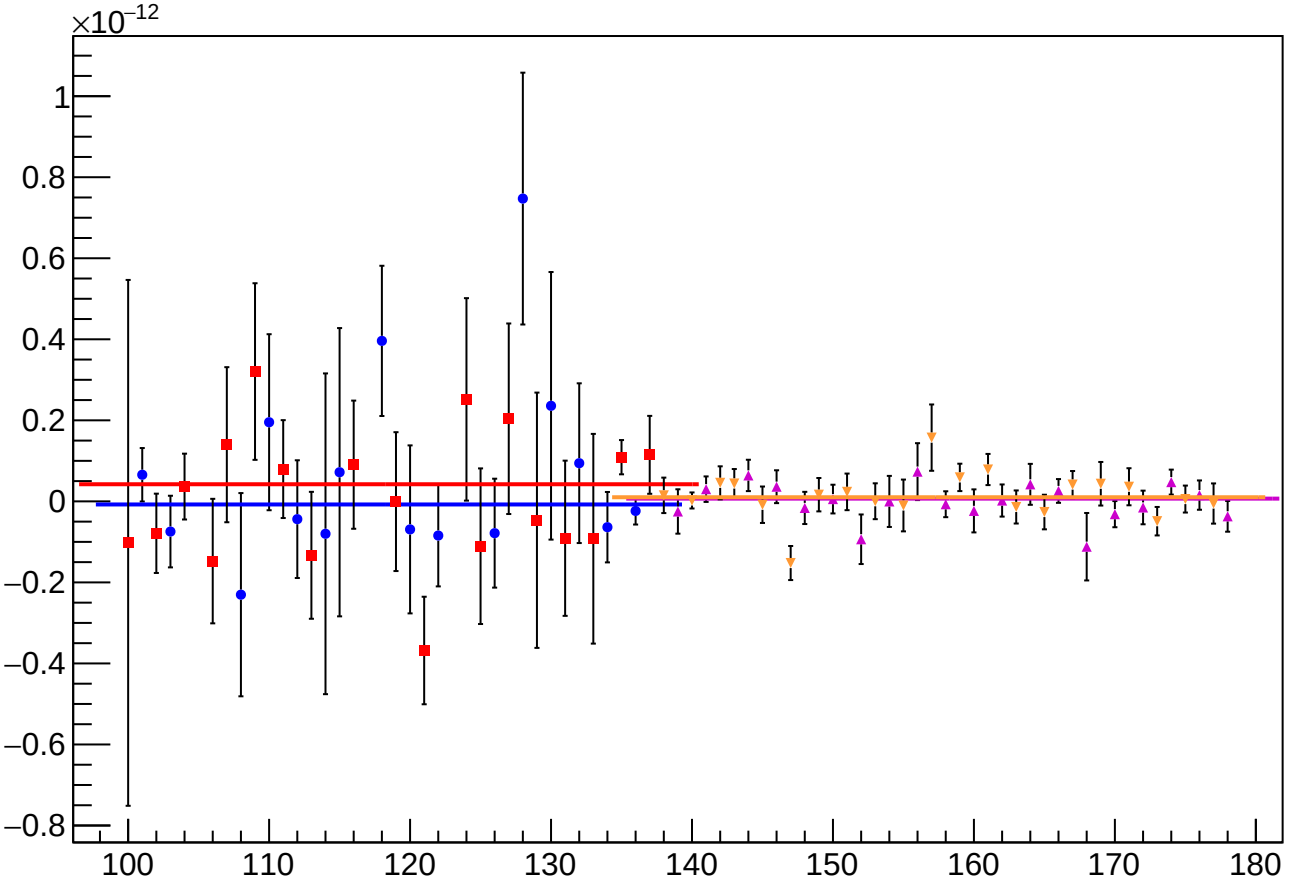
Left In: 1883.115+/-0.332 χ^2/NDF:430241.9/19

+ sign 1918.007+/-0.280 χ^2/NDF: 726044.9/36

All: 1927.038+/-0.199 χ^2/NDF: 1482512.6/75

- sign 1936.256+/-0.283 χ^2/NDF: 754369.0/38

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:31.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 21.8/18

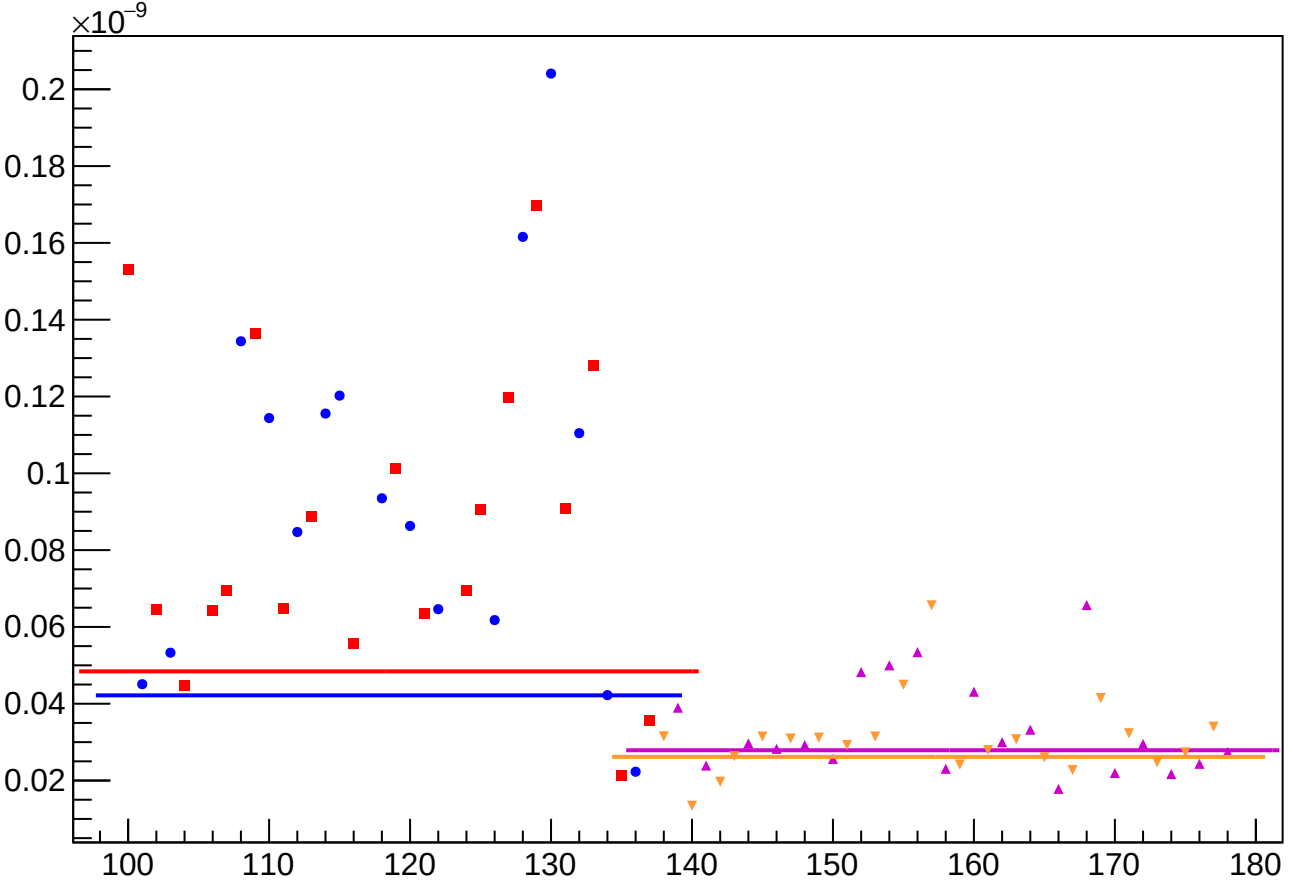
Left In: 0.000+/-0.000 χ^2/NDF:15.8/19

+ sign 0.000+/-0.000 χ^2/NDF: 48.2/36

All: 0.000+/-0.000 χ^2/NDF: 87.4/75

- sign 0.000+/-0.000 χ^2/NDF: 39.1/38

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:1977534.5/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2604483.4/18

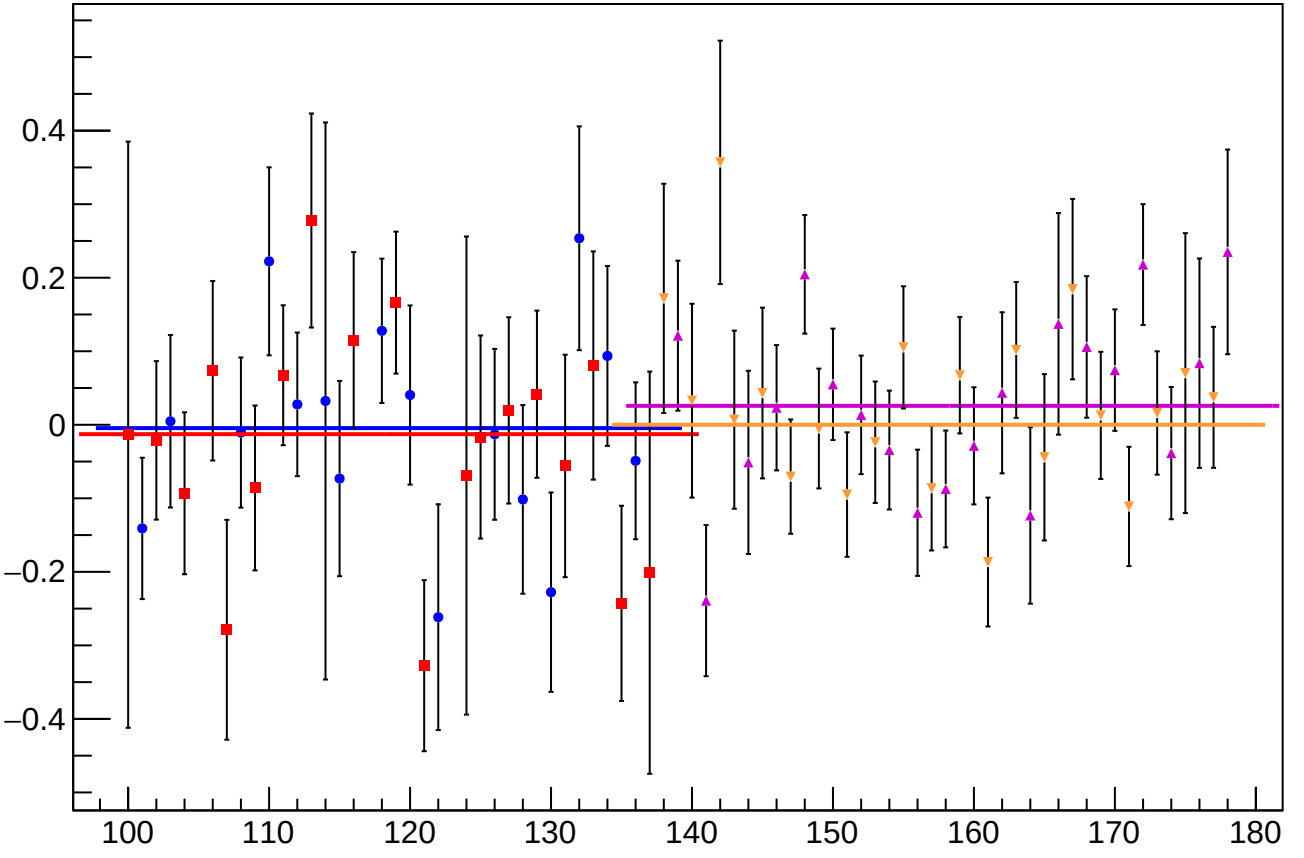
Left In: 0.000+/-0.000 χ^2/NDF:1919014.6/19

+ sign 0.000+/-0.000 χ^2/NDF: 5687517.8/36

All: 0.000+/-0.000 χ^2/NDF: 11314405.7/75

- sign 0.000+/-0.000 χ^2/NDF: 5566091.1/38

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+/-0.021 χ^2/NDF:22.0/20

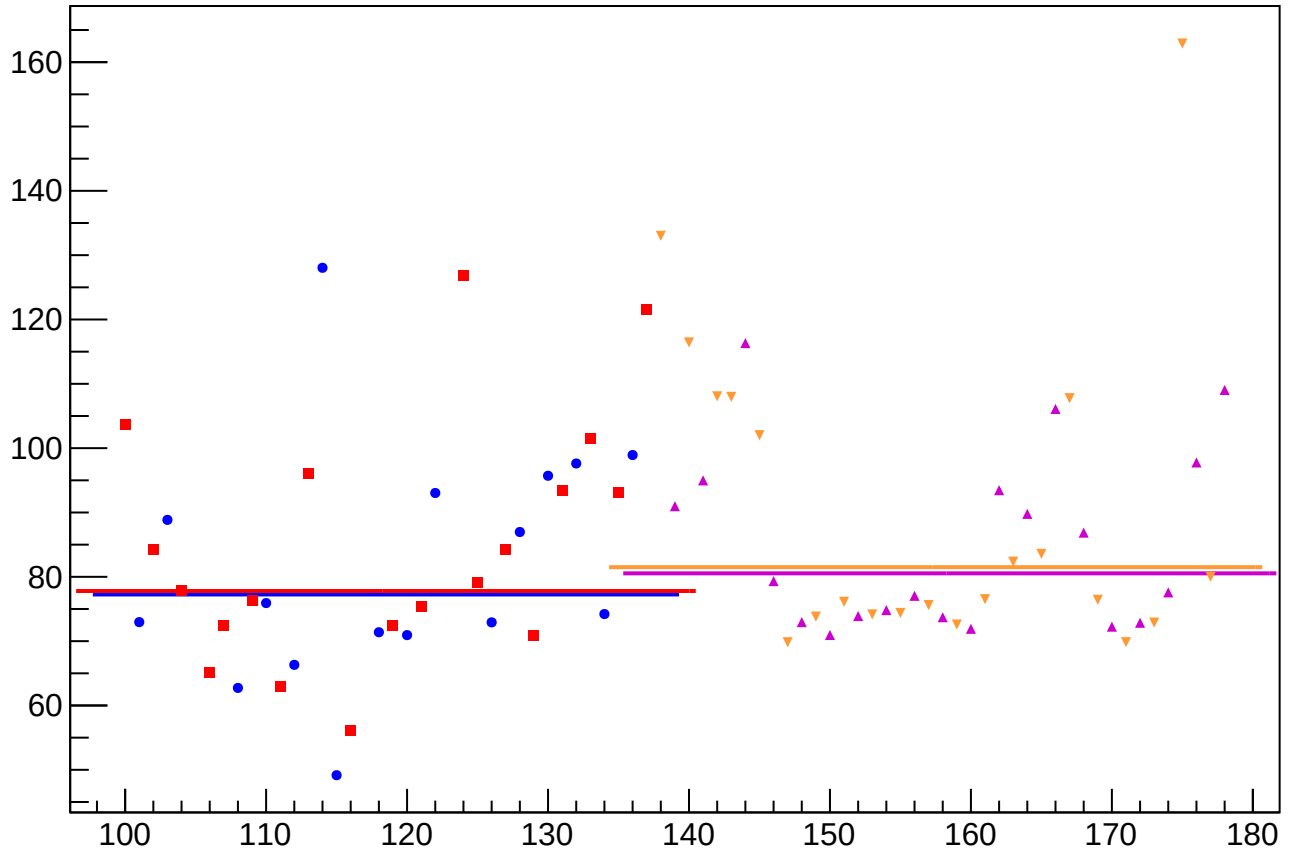
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.026+/-0.021 χ^2/NDF:30.5/19

+ sign -0.001+/-0.017 χ^2/NDF: 39.3/36

All: 0.006+/-0.012 χ^2/NDF: 96.7/75

- sign 0.013+/-0.017 χ^2/NDF: 57.1/38



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 81.500+/-0.015 χ^2/NDF:1239168.9/20

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

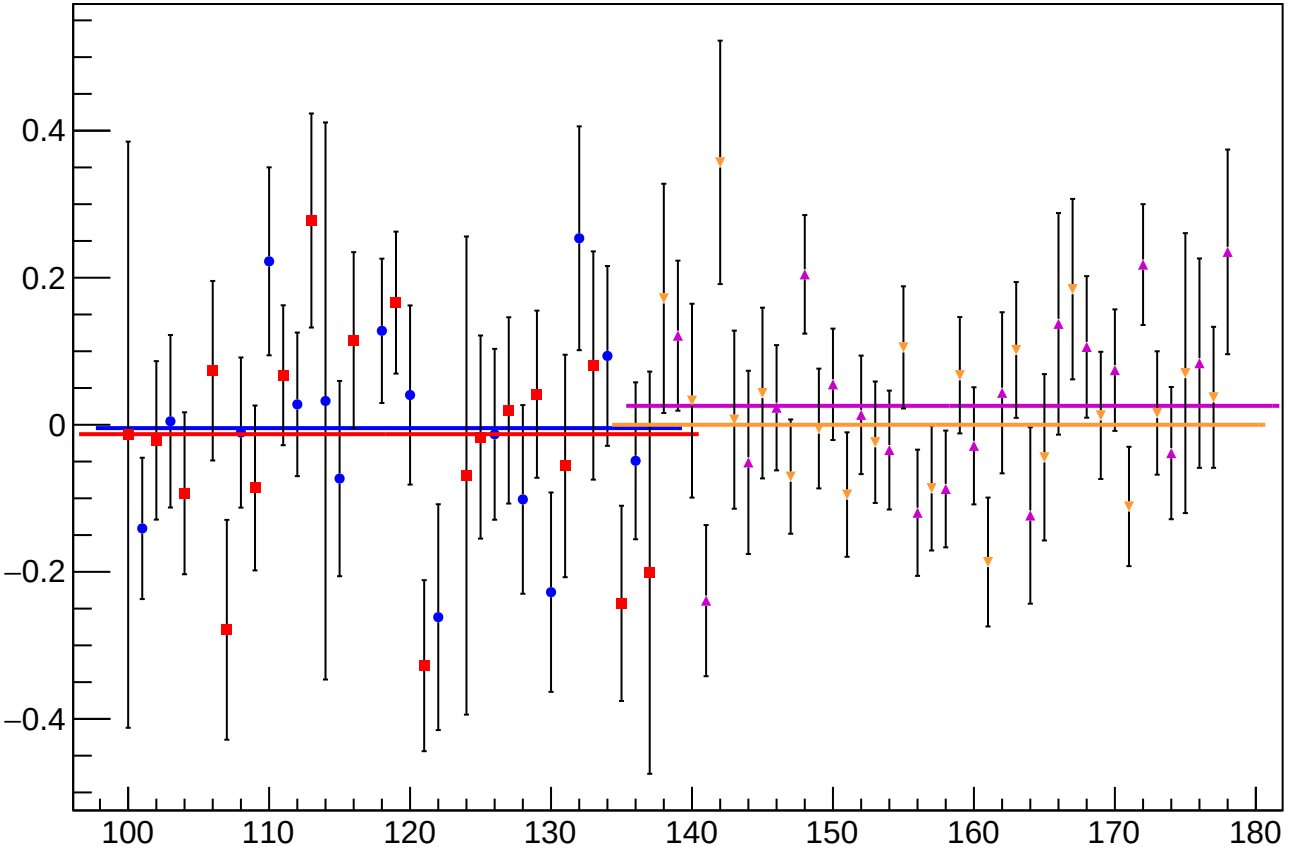
Left In: 80.540+/-0.015 χ^2/NDF:599494.4/19

+ sign 80.114+/-0.012 χ^2/NDF: 1685281.2/36

All: 79.873+/-0.009 χ^2/NDF: 2693462.2/75

- sign 79.637+/-0.012 χ^2/NDF: 1007403.7/38

asym_usr_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.000+/-0.021 χ^2/NDF:22.0/20

Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

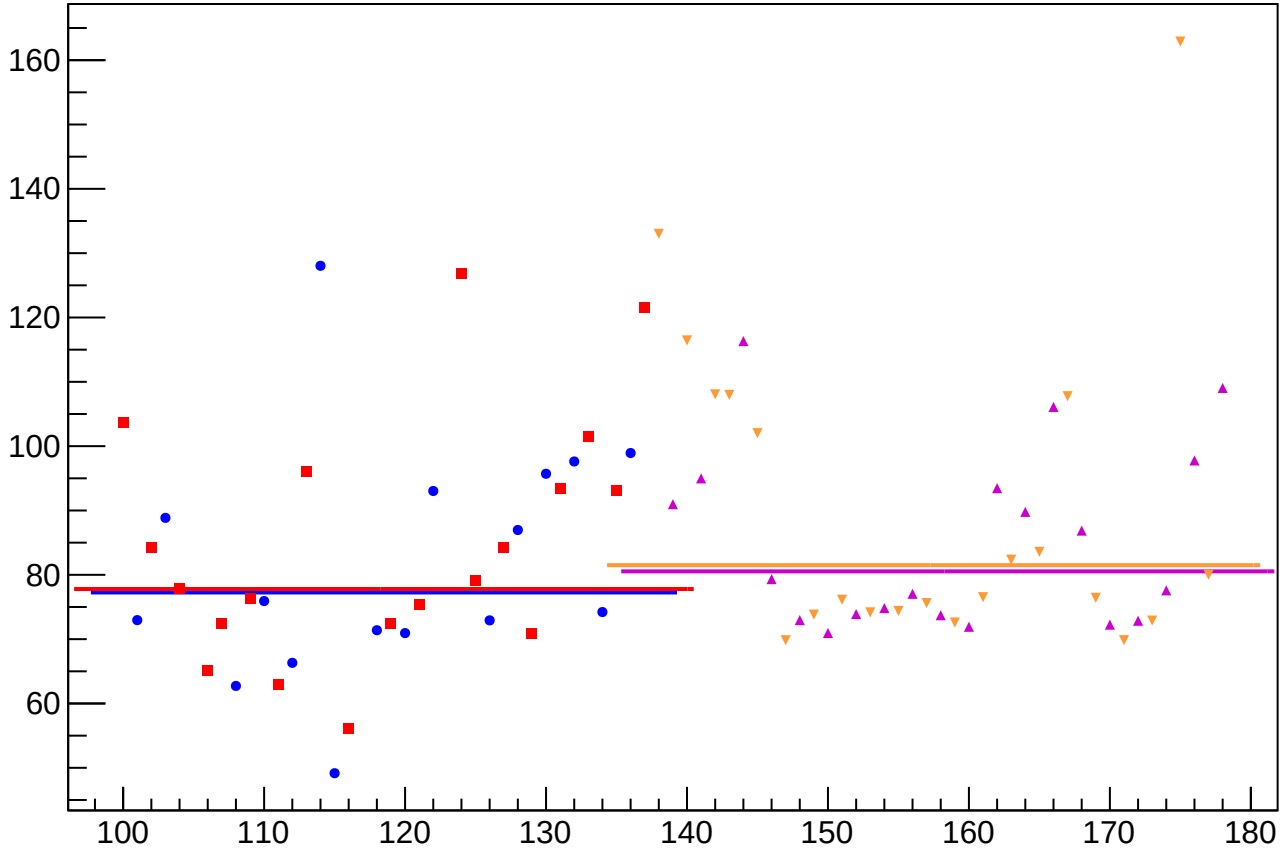
Left In: 0.026+/-0.021 χ^2/NDF:30.5/19

+ sign -0.001+/-0.017 χ^2/NDF: 39.3/36

All: 0.006+/-0.012 χ^2/NDF: 96.7/75

- sign 0.013+/-0.017 χ^2/NDF: 57.1/38

asym_usr_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 81.500+/-0.015 χ^2/NDF:1239168.9/20

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

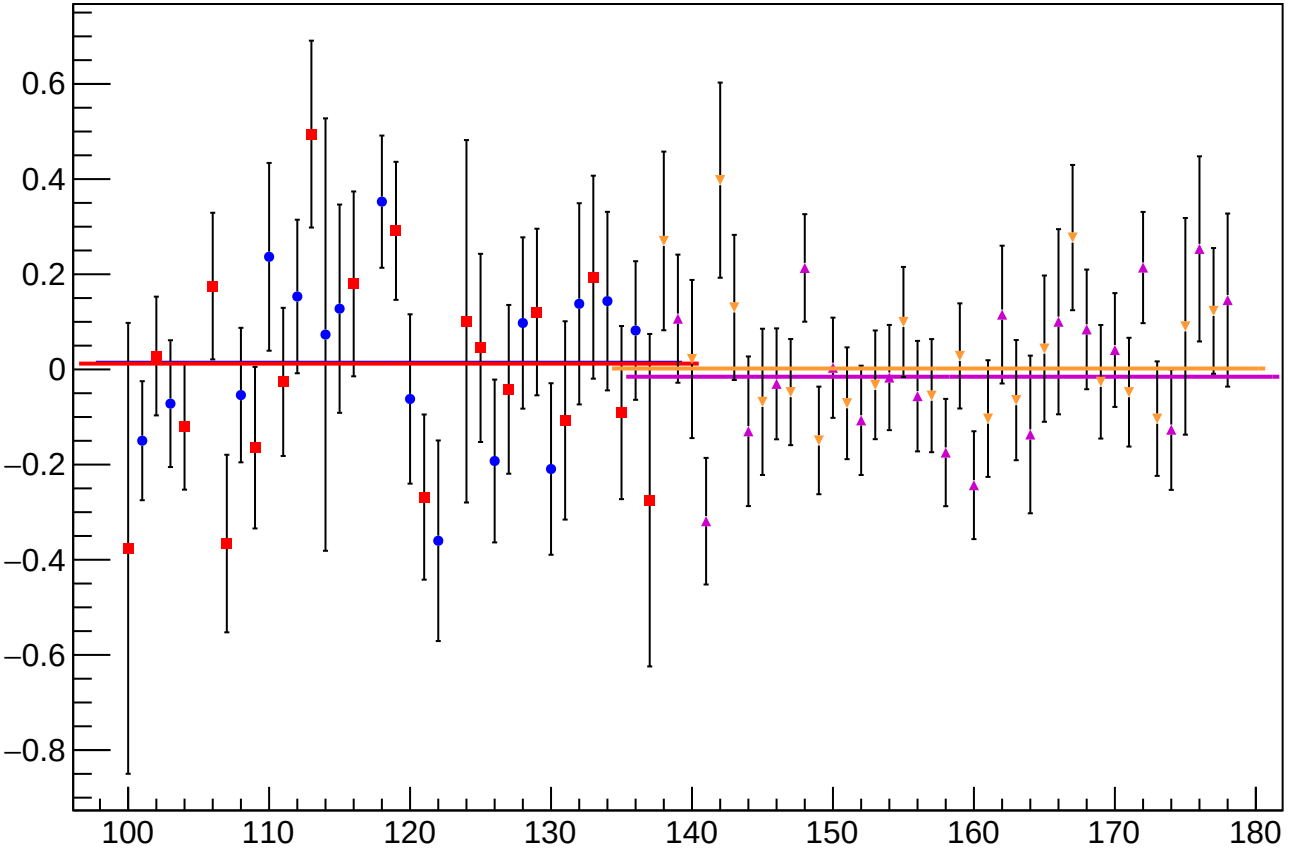
Left In: 80.540+/-0.015 χ^2/NDF:599494.4/19

+ sign 80.114+/-0.012 χ^2/NDF: 1685281.2/36

All: 79.873+/-0.009 χ^2/NDF: 2693462.2/75

- sign 79.637+/-0.012 χ^2/NDF: 1007403.7/38

asym_usr_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: 0.002+/-0.029 χ^2/NDF:16.5/20

Right Out: 0.012+/-0.041 χ^2/NDF: 23.8/18

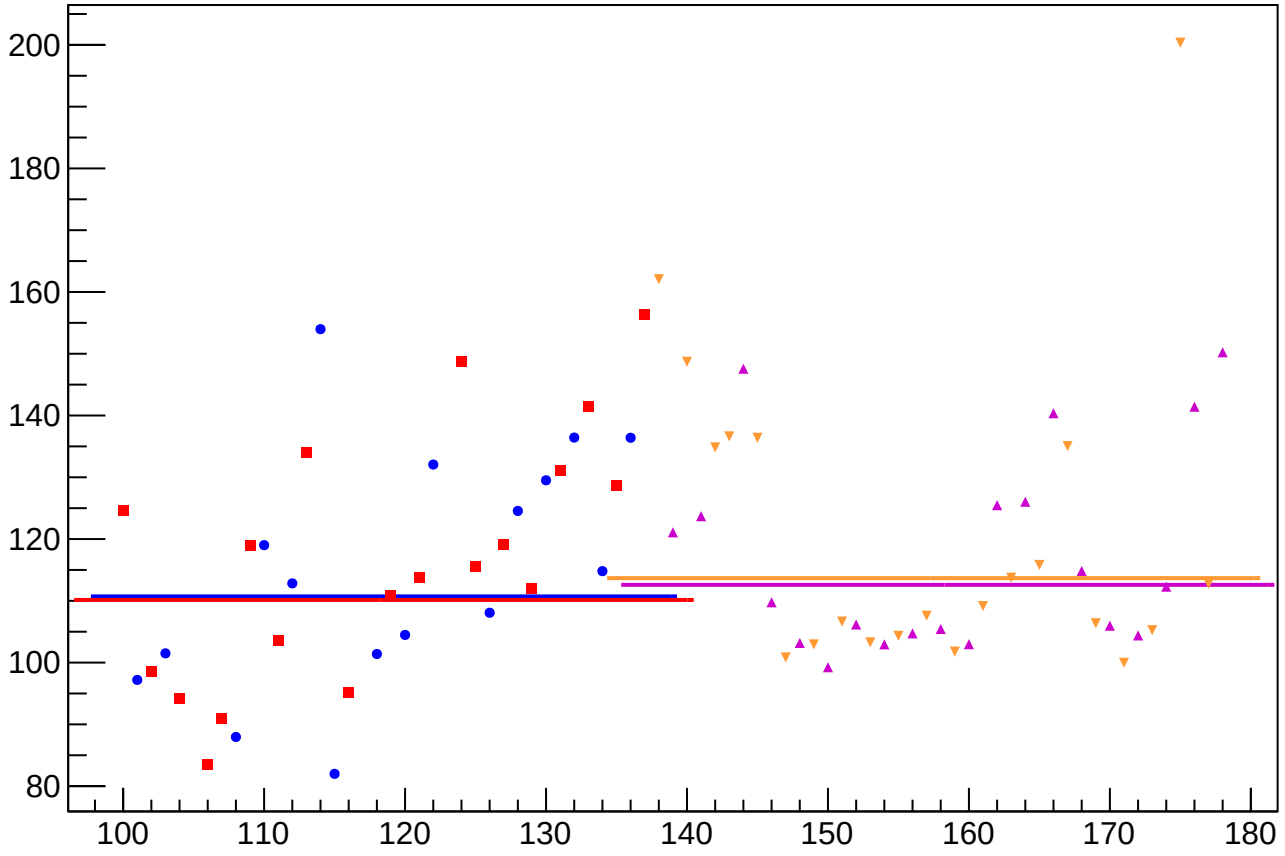
Left In: -0.015+/-0.029 χ^2/NDF:27.4/19

+ sign 0.006+/-0.024 χ^2/NDF: 34.7/36

All: -0.000+/-0.017 χ^2/NDF: 86.3/75

- sign -0.006+/-0.024 χ^2/NDF: 51.4/38

asym_usr_dit_vs_overload_cor_diff_rms vs Slug



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 113.675+/-0.020 χ^2/NDF:819985.2/20

Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

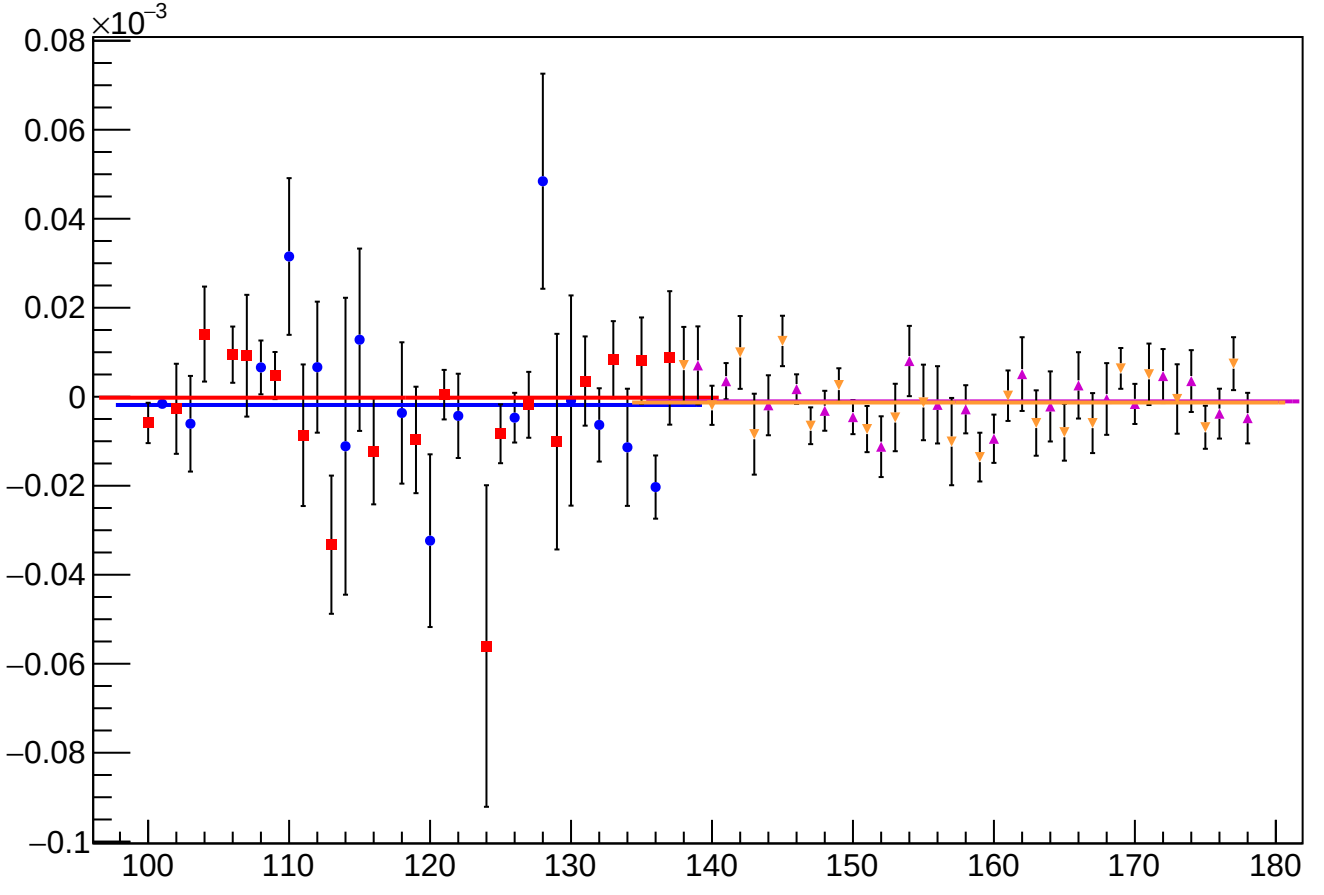
Left In: 112.586+/-0.020 χ^2/NDF:437137.1/19

+ sign 112.741+/-0.017 χ^2/NDF: 1126674.3/36

All: 112.264+/-0.012 χ^2/NDF: 1896863.5/75

- sign 111.793+/-0.017 χ^2/NDF: 768580.9/38

asym_usr_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.6/20

Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

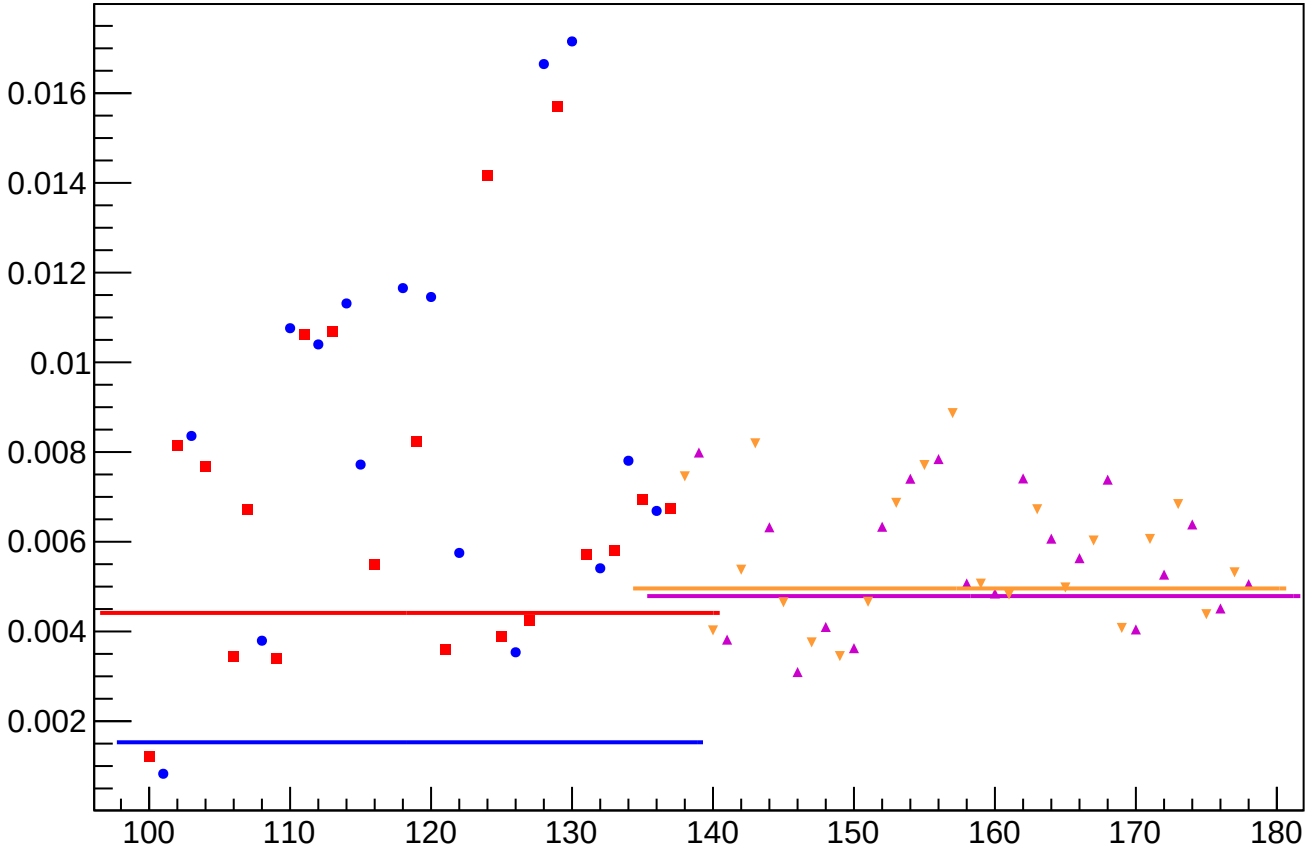
Left In: -0.000+/-0.000 χ^2/NDF:12.8/19

+ sign -0.000+/-0.000 χ^2/NDF: 50.1/36

All: -0.000+/-0.000 χ^2/NDF: 83.3/75

- sign -0.000+/-0.000 χ^2/NDF: 32.8/38

asym_usr_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 9222940.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:2117788.7/20

Right Out: 0.004+/-0.000 χ^2/NDF: 3388069.5/18

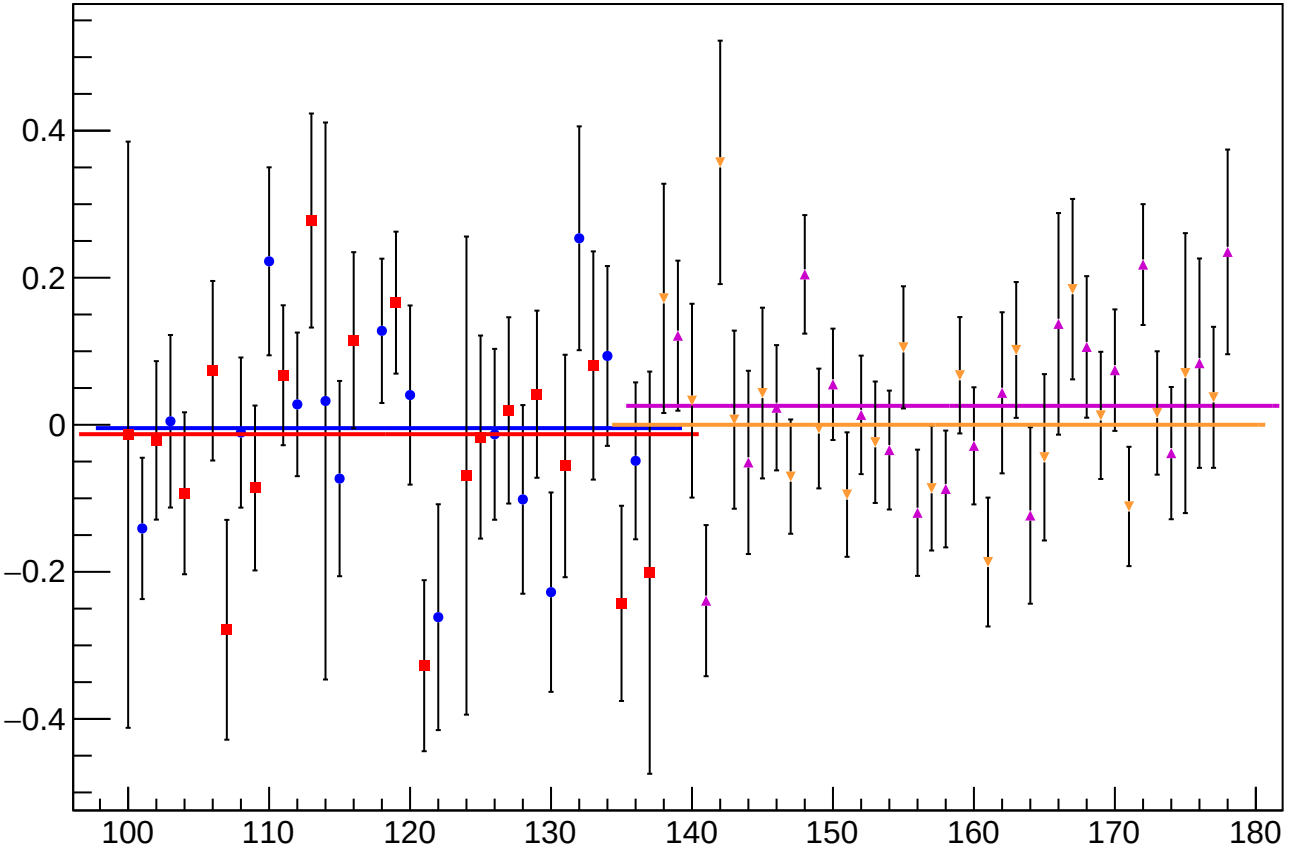
Left In: 0.005+/-0.000 χ^2/NDF:2480376.2/19

+ sign 0.003+/-0.000 χ^2/NDF: 20495744.8/36

All: 0.003+/-0.000 χ^2/NDF: 30628825.3/75

- sign 0.005+/-0.000 χ^2/NDF: 5922045.3/38

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+/-0.021 χ^2/NDF:22.0/20

Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

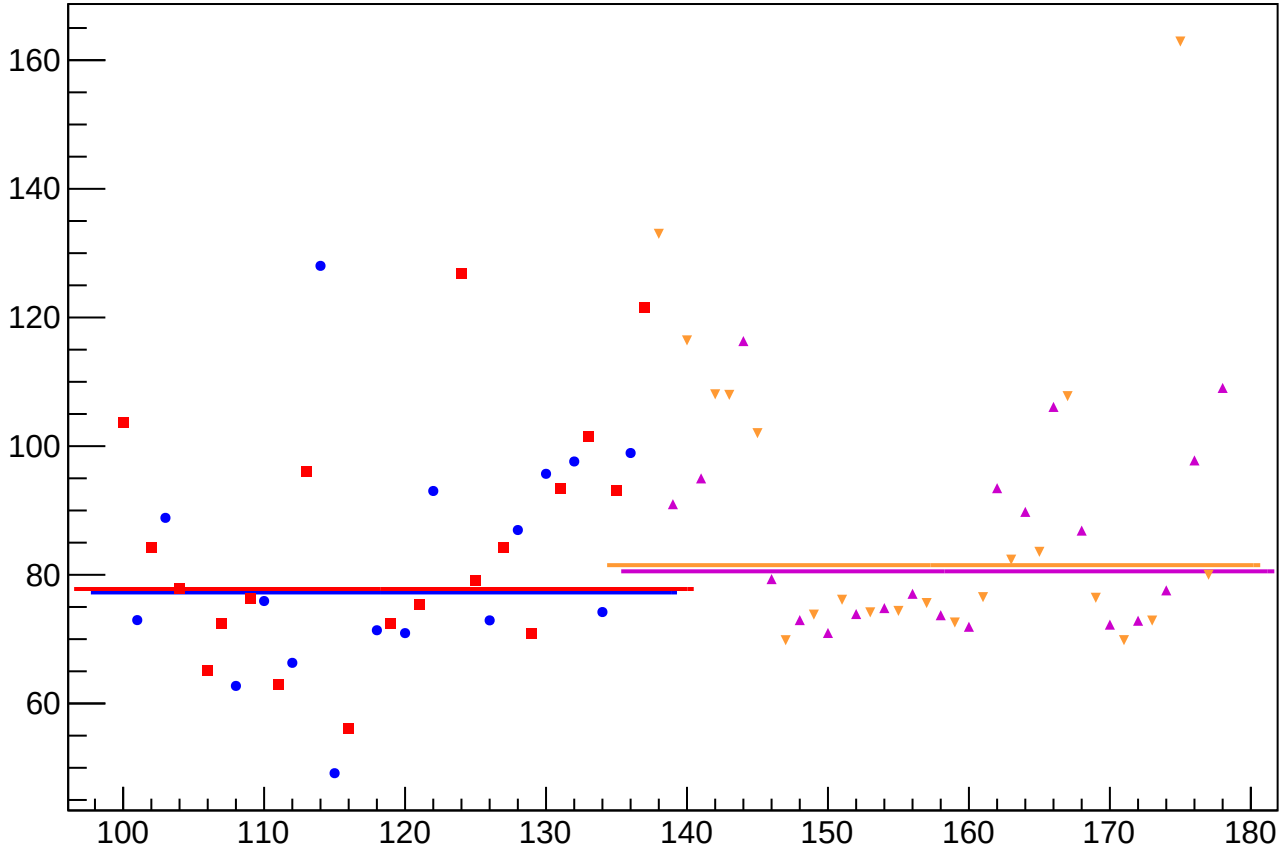
Left In: 0.026+/-0.021 χ^2/NDF:30.5/19

+ sign -0.001+/-0.017 χ^2/NDF: 39.3/36

All: 0.006+/-0.012 χ^2/NDF: 96.7/75

- sign 0.013+/-0.017 χ^2/NDF: 57.1/38

asym_usr_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 81.501+/-0.015 χ^2/NDF:1239167.6/20

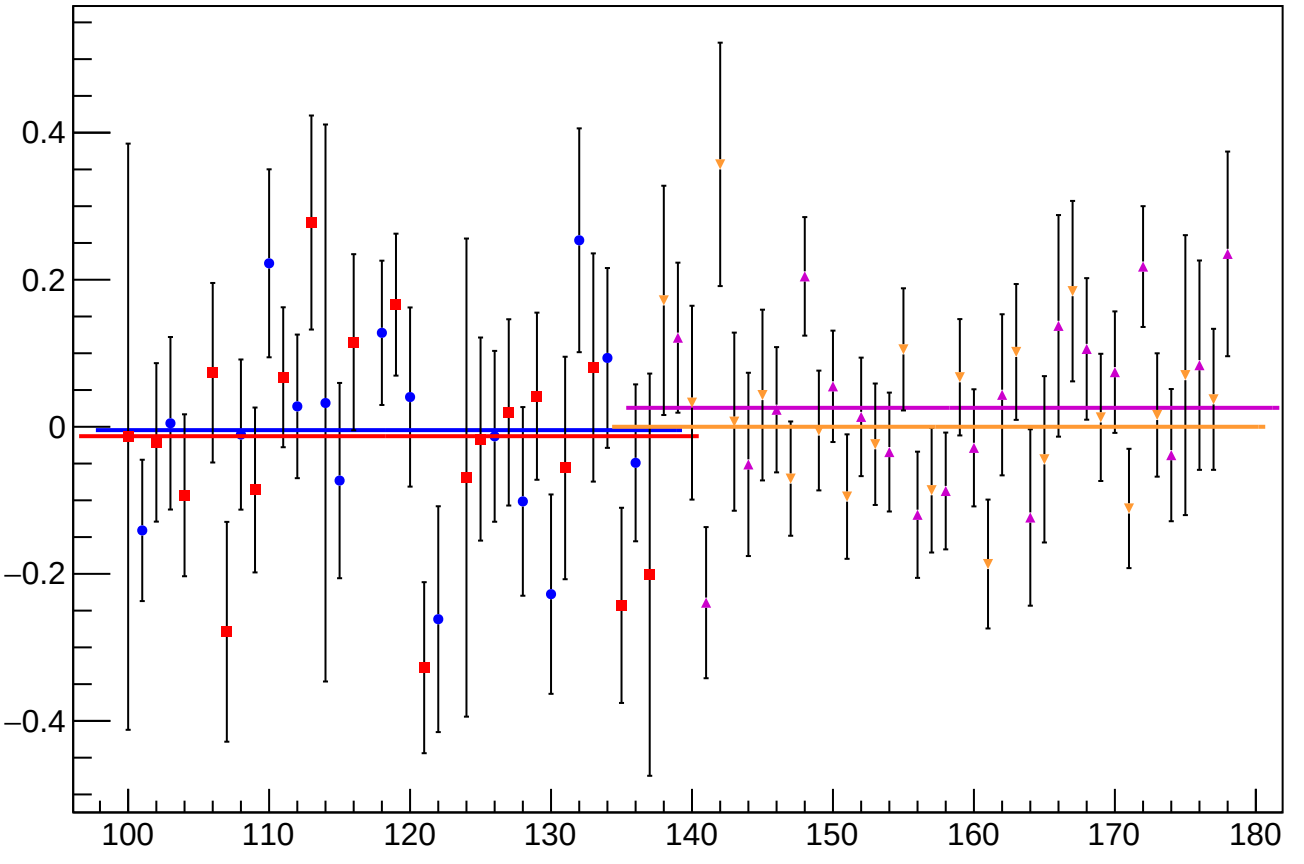
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 80.541+/-0.015 χ^2/NDF:599493.4/19

+ sign 80.114+/-0.012 χ^2/NDF: 1685294.9/36

All: 79.873+/-0.009 χ^2/NDF: 2693489.5/75

- sign 79.636+/-0.012 χ^2/NDF: 1007417.0/38



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.000+/-0.021 χ^2/NDF:22.0/20

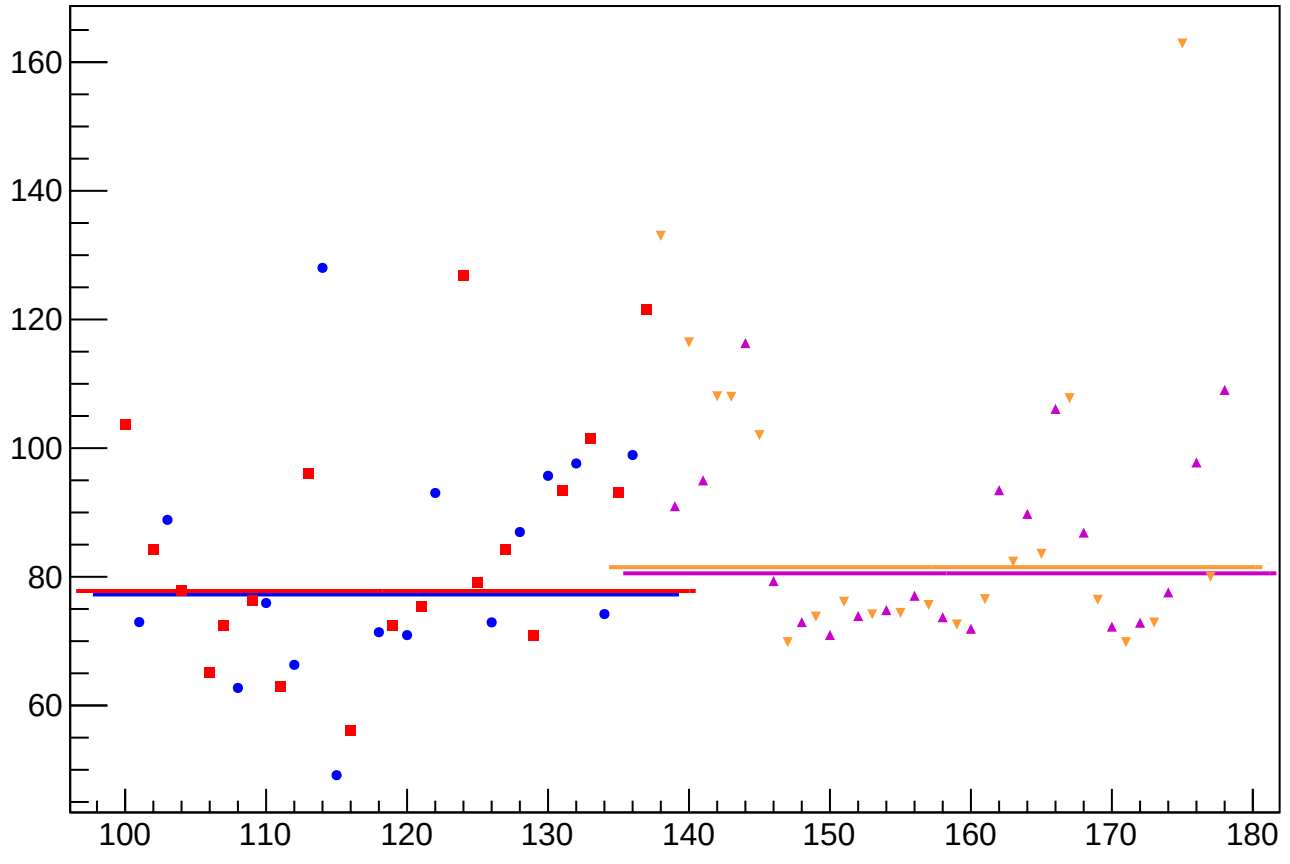
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.026+/-0.021 χ^2/NDF:30.5/19

+ sign -0.001+/-0.017 χ^2/NDF: 39.3/36

All: 0.006+/-0.012 χ^2/NDF: 96.7/75

- sign 0.013+/-0.017 χ^2/NDF: 57.1/38



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 81.501+/-0.015 χ^2/NDF:1239167.6/20

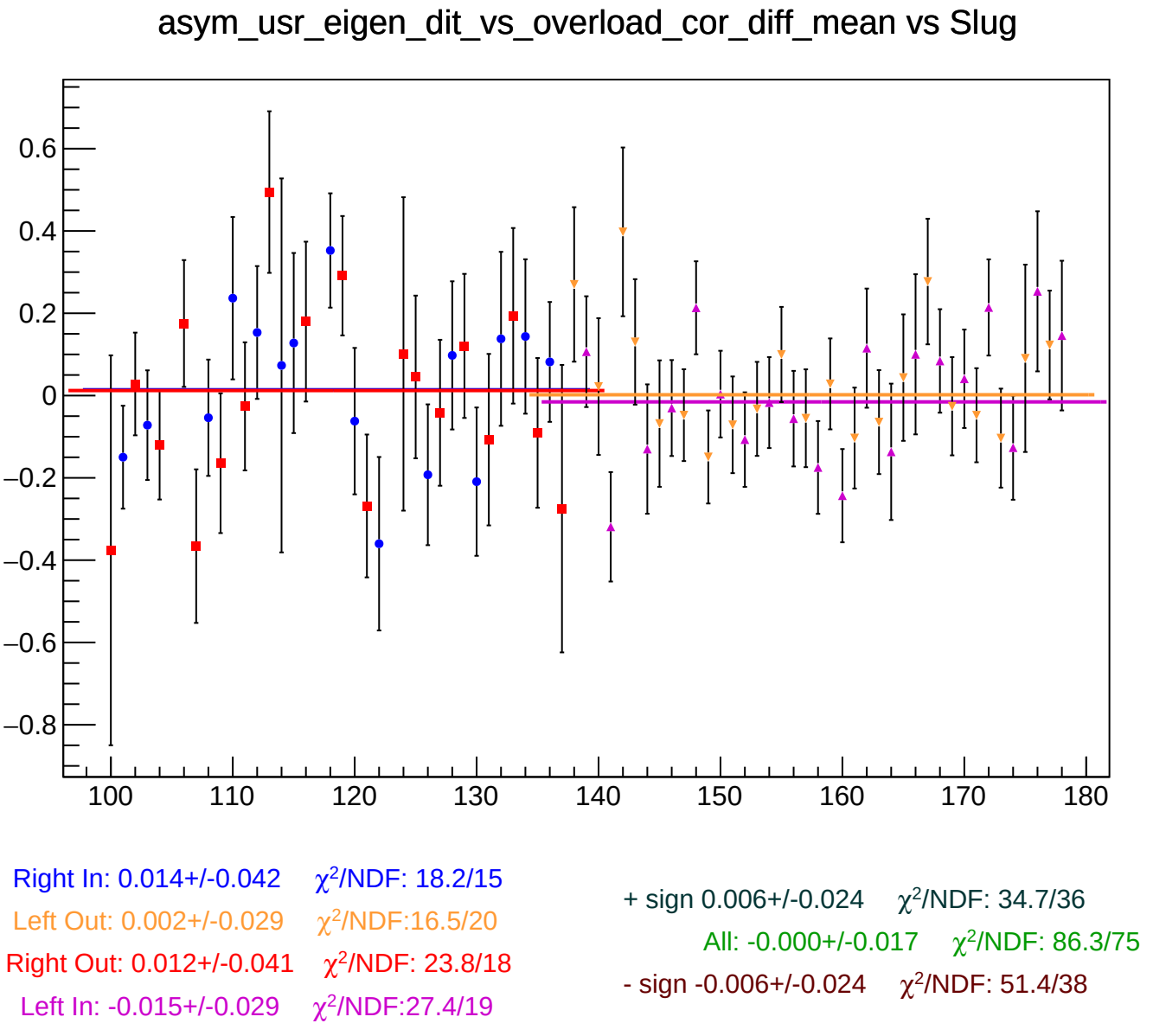
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

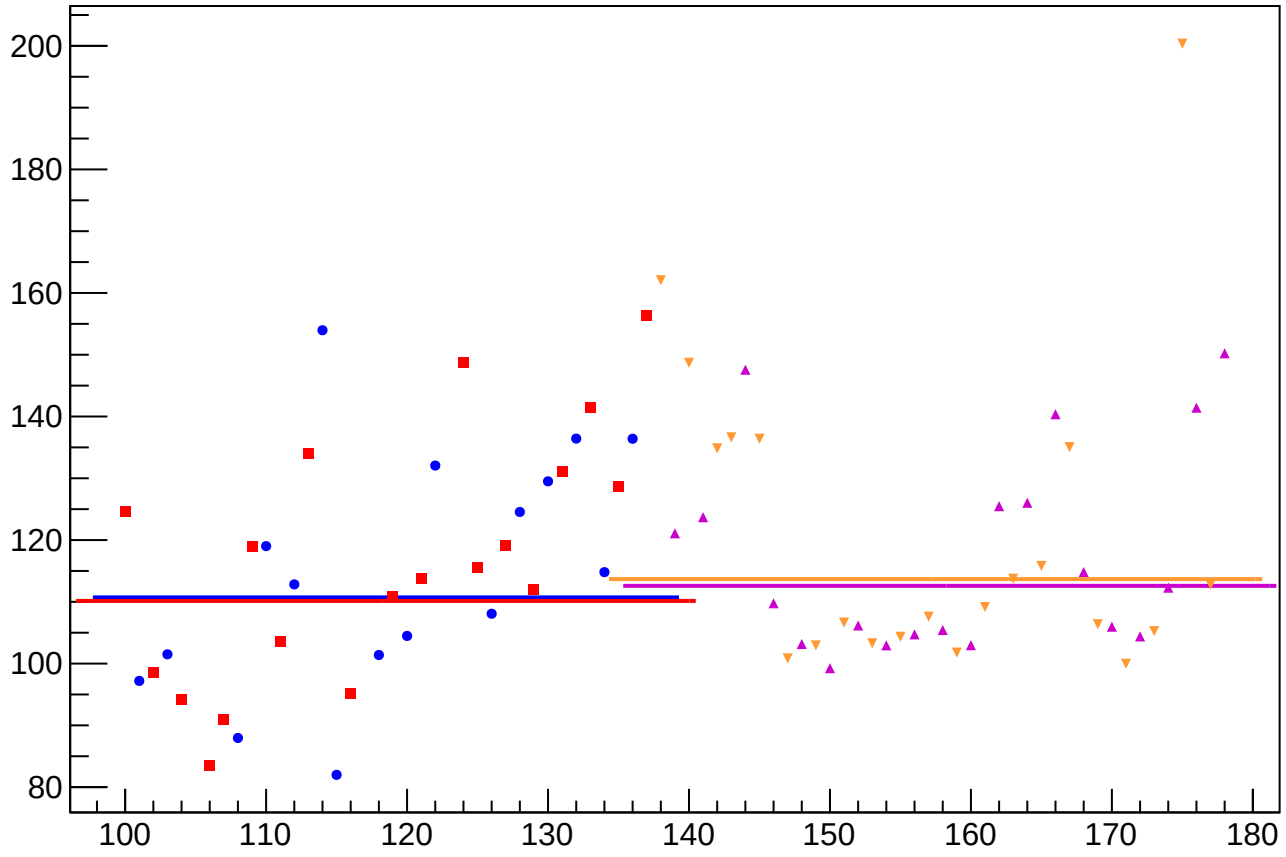
Left In: 80.541+/-0.015 χ^2/NDF:599493.4/19

+ sign 80.114+/-0.012 χ^2/NDF: 1685294.9/36

All: 79.873+/-0.009 χ^2/NDF: 2693489.5/75

- sign 79.636+/-0.012 χ^2/NDF: 1007417.0/38


asym_usr_eigen_dit_vs_overload_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
180
Right In: 0.014+/-0.042 χ²/NDF: 18.2/15
Left Out: 0.002+/-0.029 χ²/NDF:16.5/20
Right Out: 0.012+/-0.041 χ²/NDF: 23.8/18
Left In: -0.015+/-0.029 χ²/NDF:27.4/19
+ sign 0.006+/-0.024 χ²/NDF: 34.7/36
All: -0.000+/-0.017 χ²/NDF: 86.3/75
- sign -0.006+/-0.024 χ²/NDF: 51.4/38



Right In: 110.714+/-0.030 χ^2/NDF: 299948.2/15

Left Out: 113.675+/-0.020 χ^2/NDF:819983.6/20

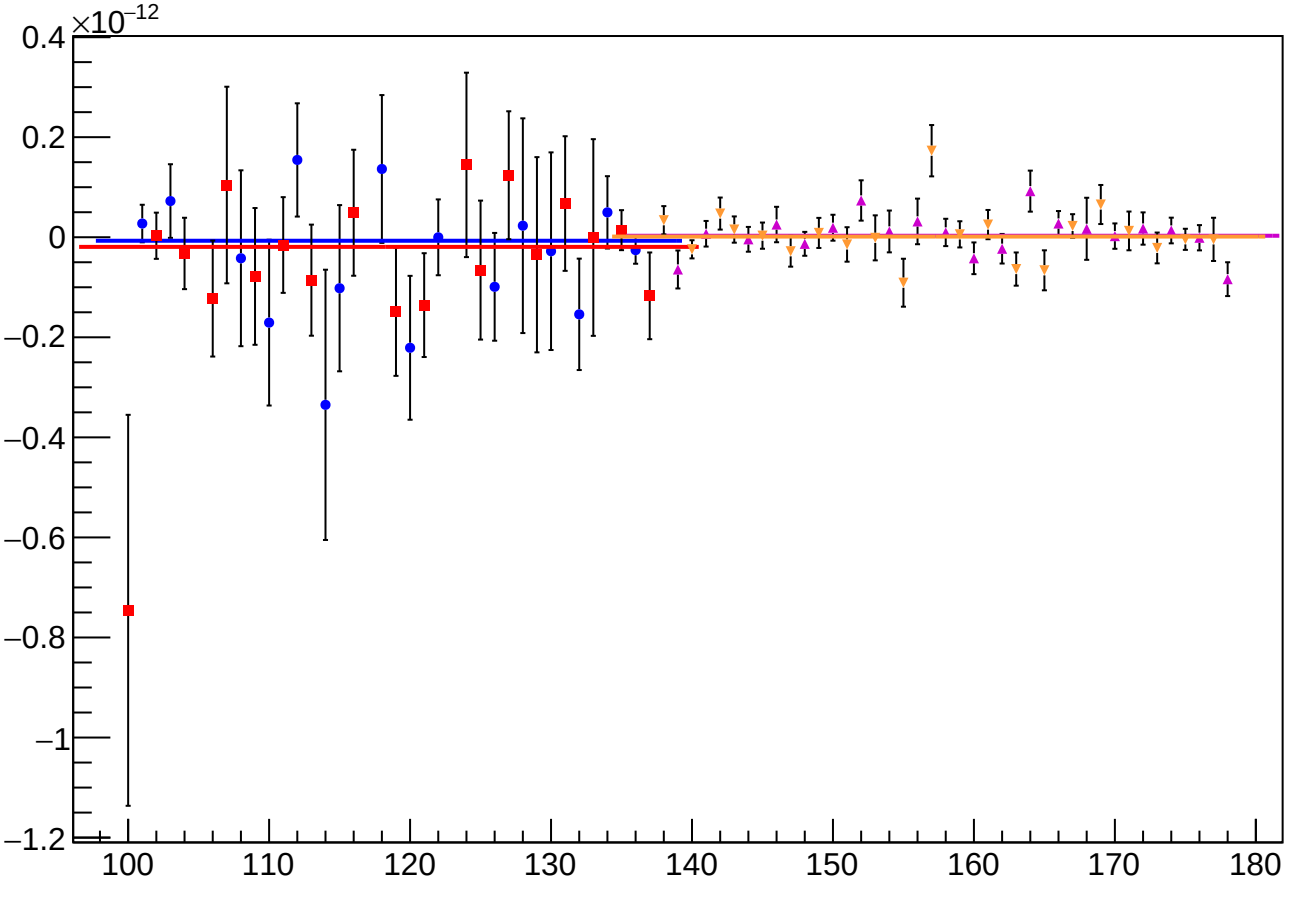
Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 112.587+/-0.020 χ^2/NDF:437138.4/19

+ sign 112.741+/-0.017 χ^2/NDF: 1126654.5/36

All: 112.264+/-0.012 χ^2/NDF: 1896819.6/75

- sign 111.793+/-0.017 χ^2/NDF: 768556.7/38



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

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/20

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

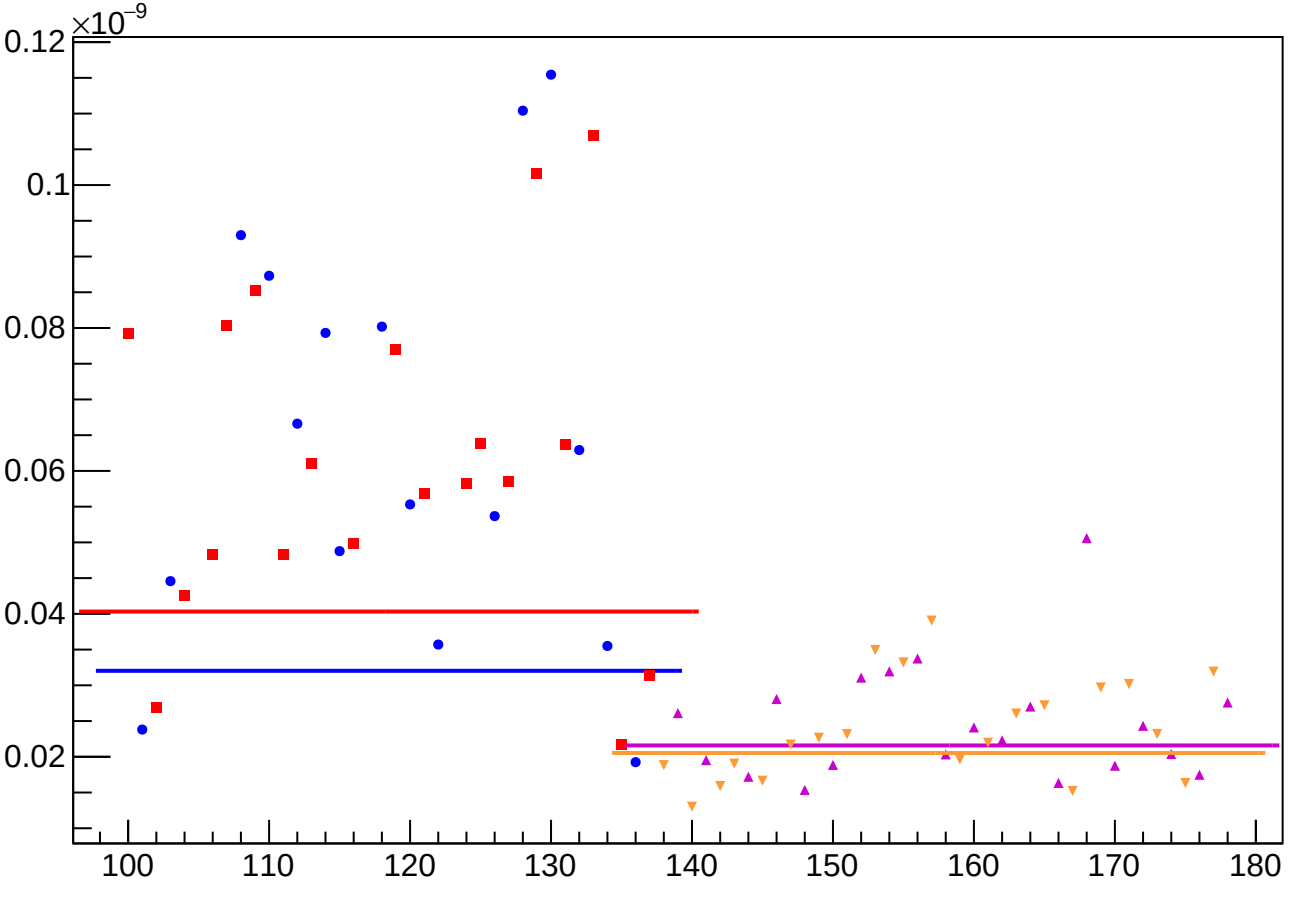
Left In: 0.000+/-0.000 χ^2/NDF:23.6/19

+ sign 0.000+/-0.000 χ^2/NDF: 47.1/36

All: 0.000+/-0.000 χ^2/NDF: 84.3/75

- sign 0.000+/-0.000 χ^2/NDF: 37.2/38

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:1760782.1/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

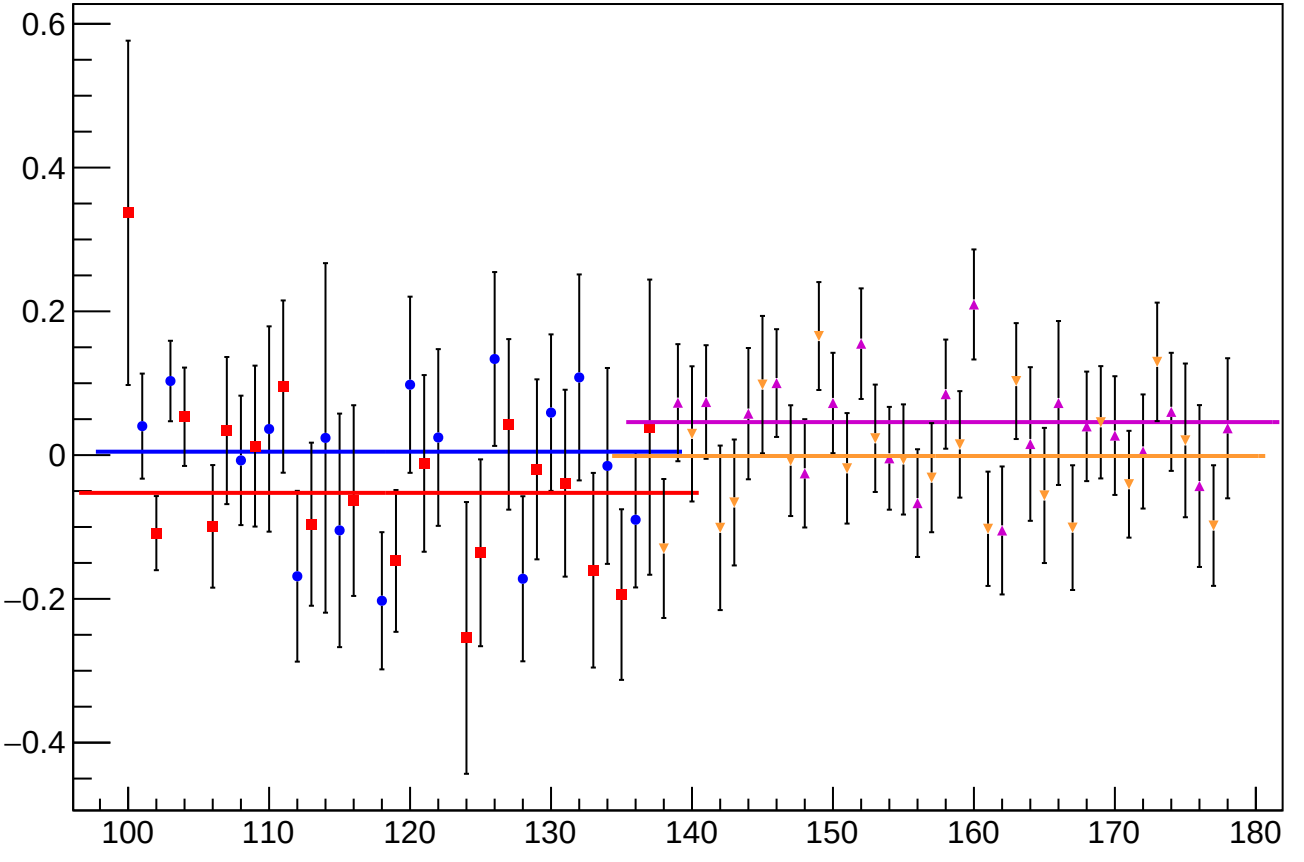
Left In: 0.000+/-0.000 χ^2/NDF:1444277.0/19

+ sign 0.000+/-0.000 χ^2/NDF: 4947486.6/36

All: 0.000+/-0.000 χ^2/NDF: 9739584.6/75

- sign 0.000+/-0.000 χ^2/NDF: 4738779.1/38

asym_usr_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: -0.001+/-0.018 χ^2/NDF:19.1/20

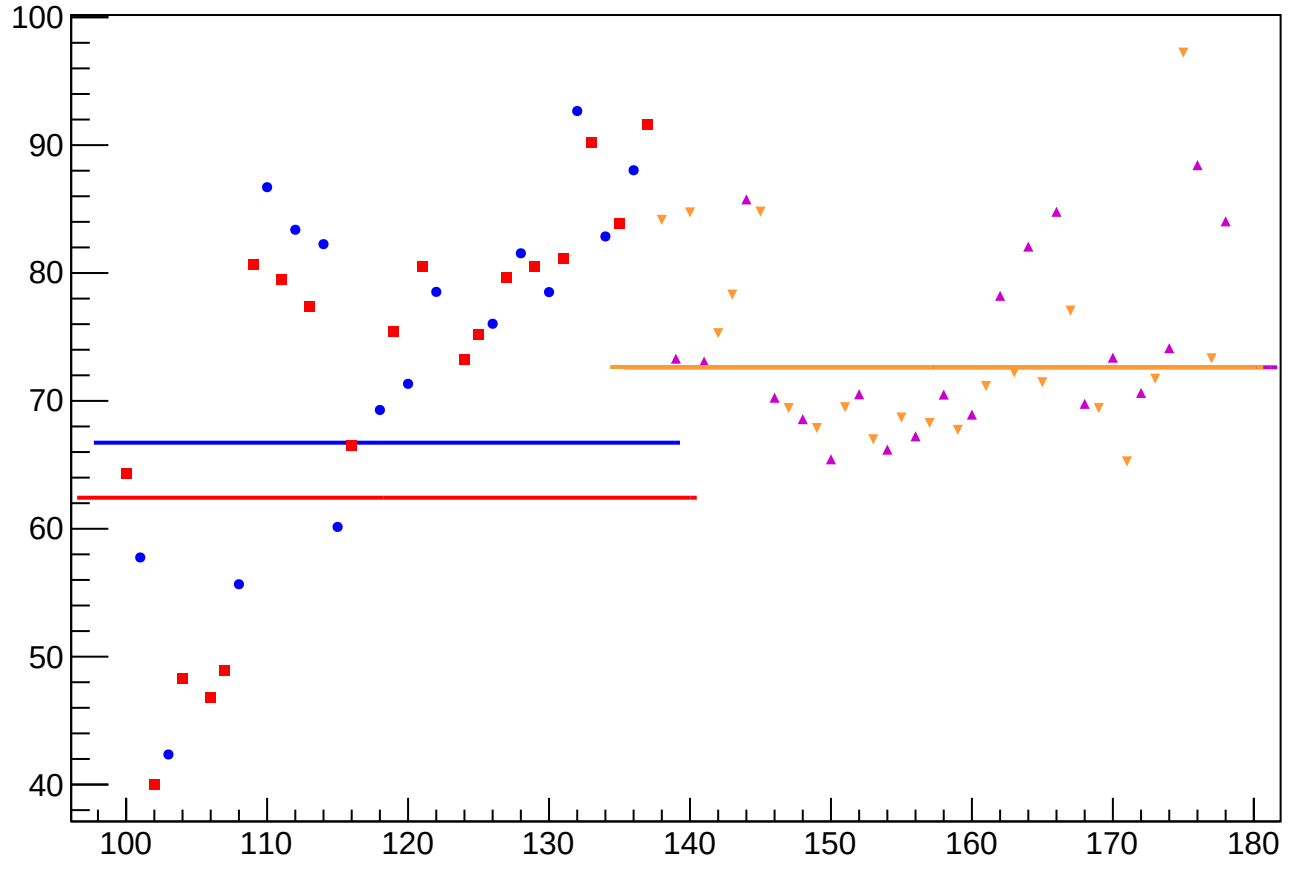
Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: 0.046+/-0.018 χ^2/NDF:15.4/19

+ sign 0.001+/-0.015 χ^2/NDF: 35.7/36

All: 0.005+/-0.010 χ^2/NDF: 76.7/75

- sign 0.010+/-0.015 χ^2/NDF: 40.8/38



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 72.649+/-0.013 χ^2/NDF:285633.6/20

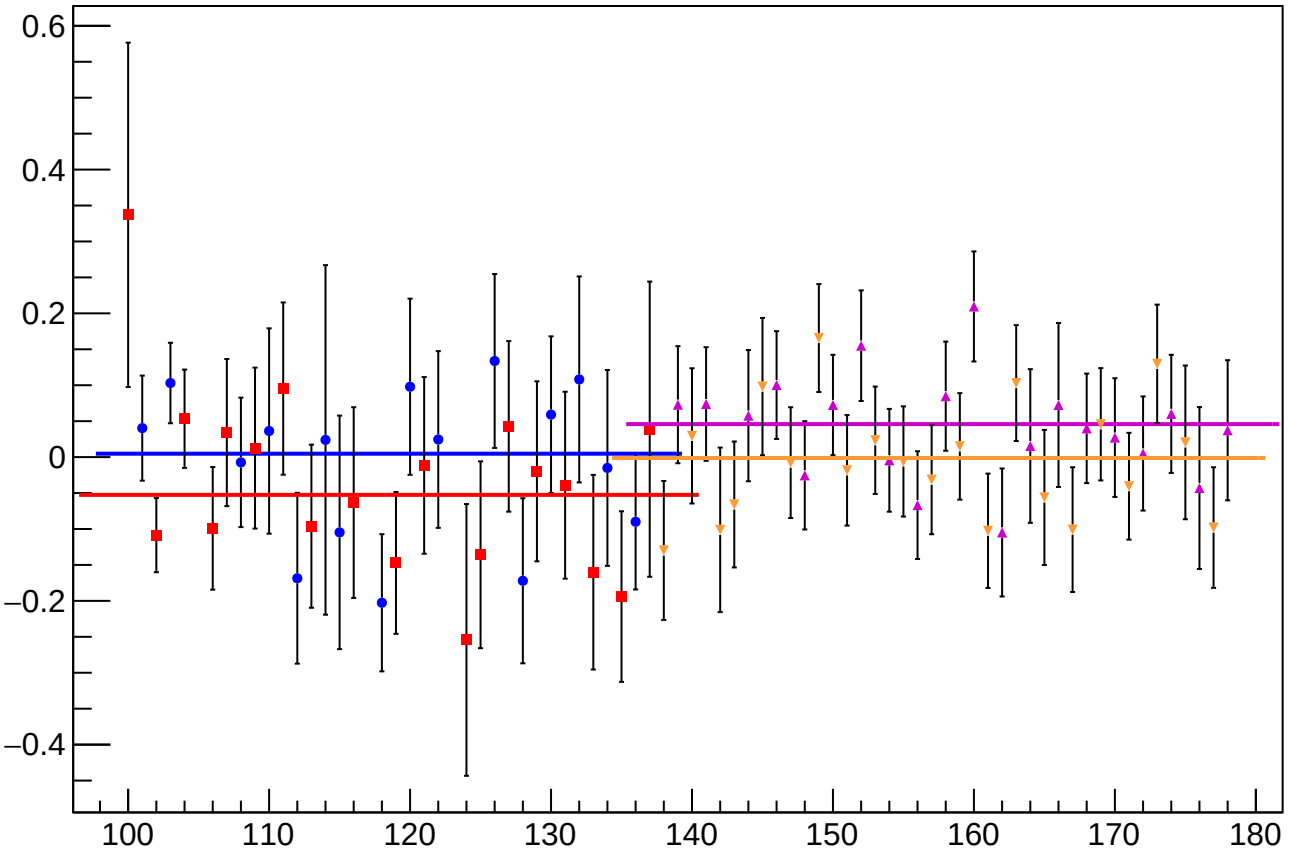
Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 72.626+/-0.013 χ^2/NDF:222918.2/19

+ sign 70.701+/-0.011 χ^2/NDF: 1172406.4/36

All: 69.777+/-0.007 χ^2/NDF: 2751567.4/75

- sign 68.887+/-0.010 χ^2/NDF: 1563994.5/38



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: -0.001+/-0.018 χ^2/NDF:19.1/20

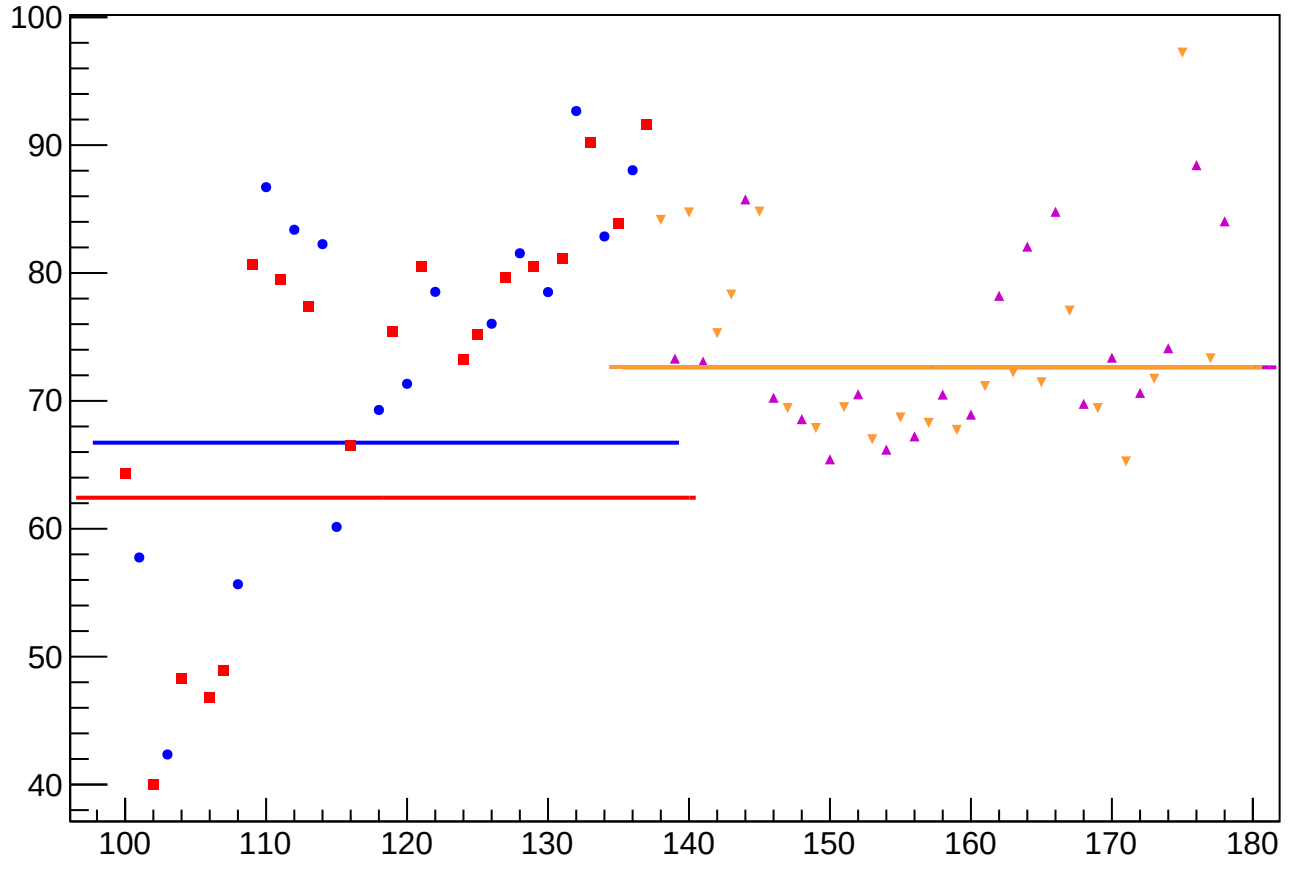
Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: 0.046+/-0.018 χ^2/NDF:15.4/19

+ sign 0.001+/-0.015 χ^2/NDF: 35.7/36

All: 0.005+/-0.010 χ^2/NDF: 76.7/75

- sign 0.010+/-0.015 χ^2/NDF: 40.8/38



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 72.649+/-0.013 χ^2/NDF:285633.6/20

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

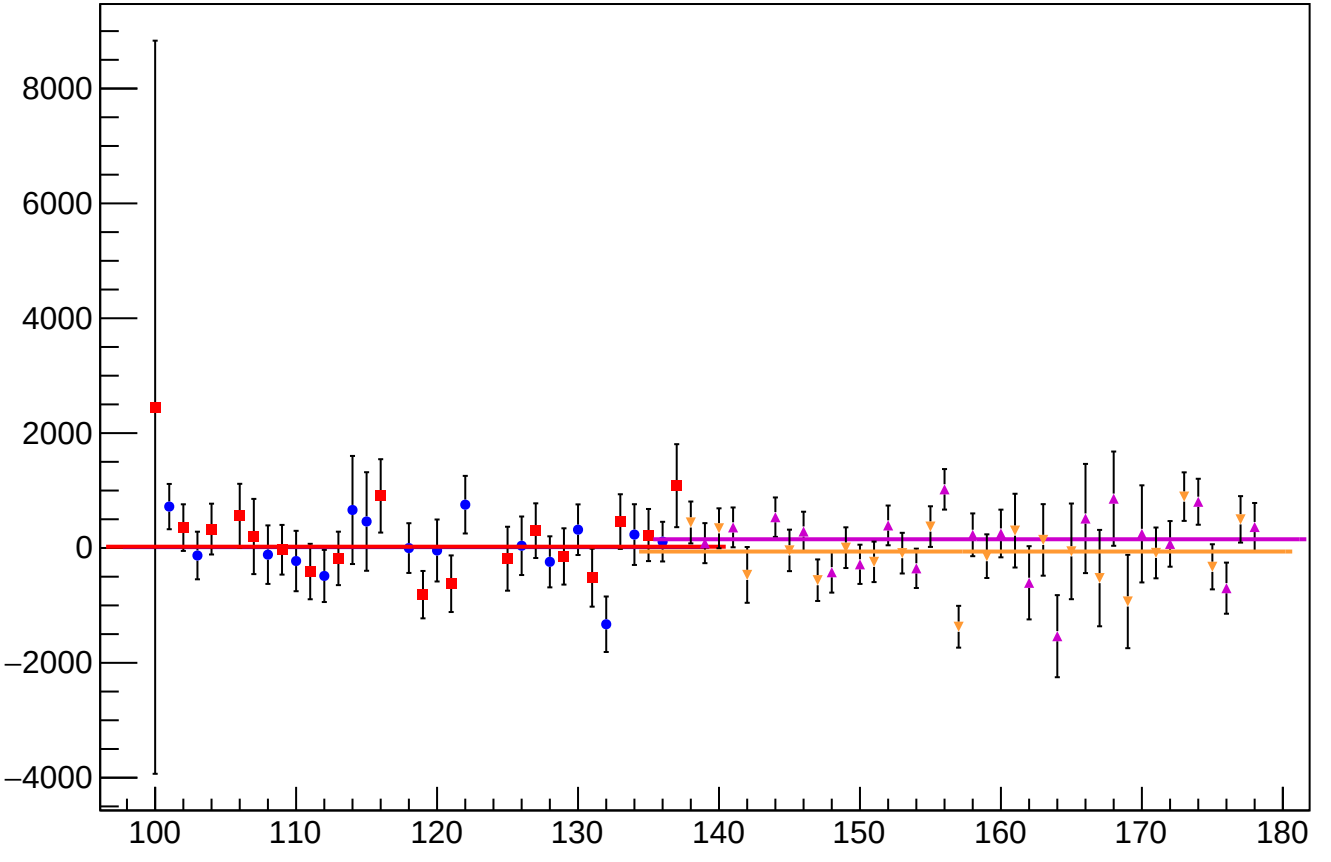
Left In: 72.626+/-0.013 χ^2/NDF:222918.2/19

+ sign 70.701+/-0.011 χ^2/NDF: 1172406.4/36

All: 69.777+/-0.007 χ^2/NDF: 2751567.4/75

- sign 68.887+/-0.010 χ^2/NDF: 1563994.5/38

asym_dsl_mean vs Slug



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: -61.850+/-93.480 χ^2/NDF:30.1/19

Right Out: 22.145+/-119.211 χ^2/NDF: 16.0/17

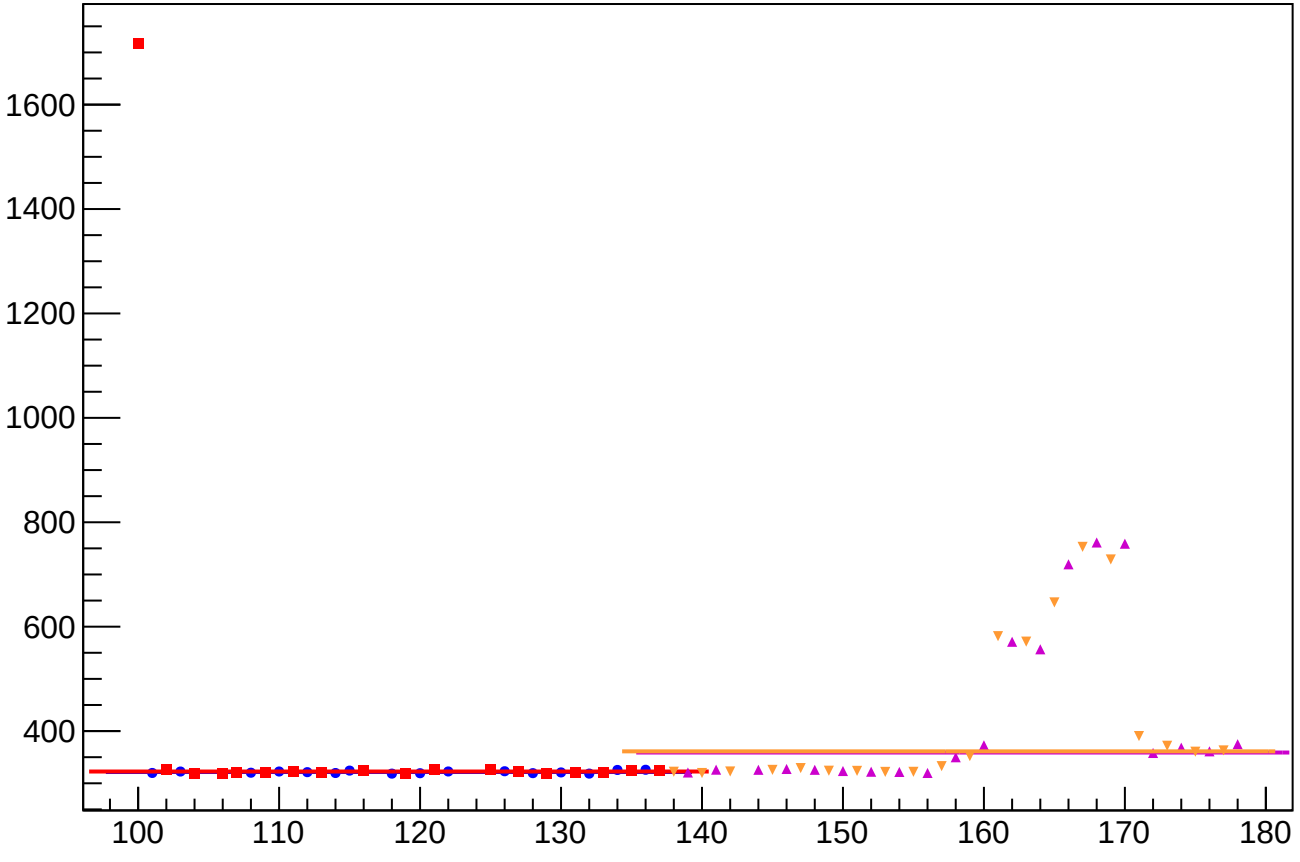
Left In: 151.830+/-91.438 χ^2/NDF:29.4/19

+ sign -32.458+/-73.612 χ^2/NDF: 46.9/35

All: 36.655+/-51.673 χ^2/NDF: 94.7/73

- sign 103.794+/-72.553 χ^2/NDF: 46.1/37

asym_dsl_rms vs Slug



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 361.177+/-0.066 χ^2/NDF:1758954.5/19

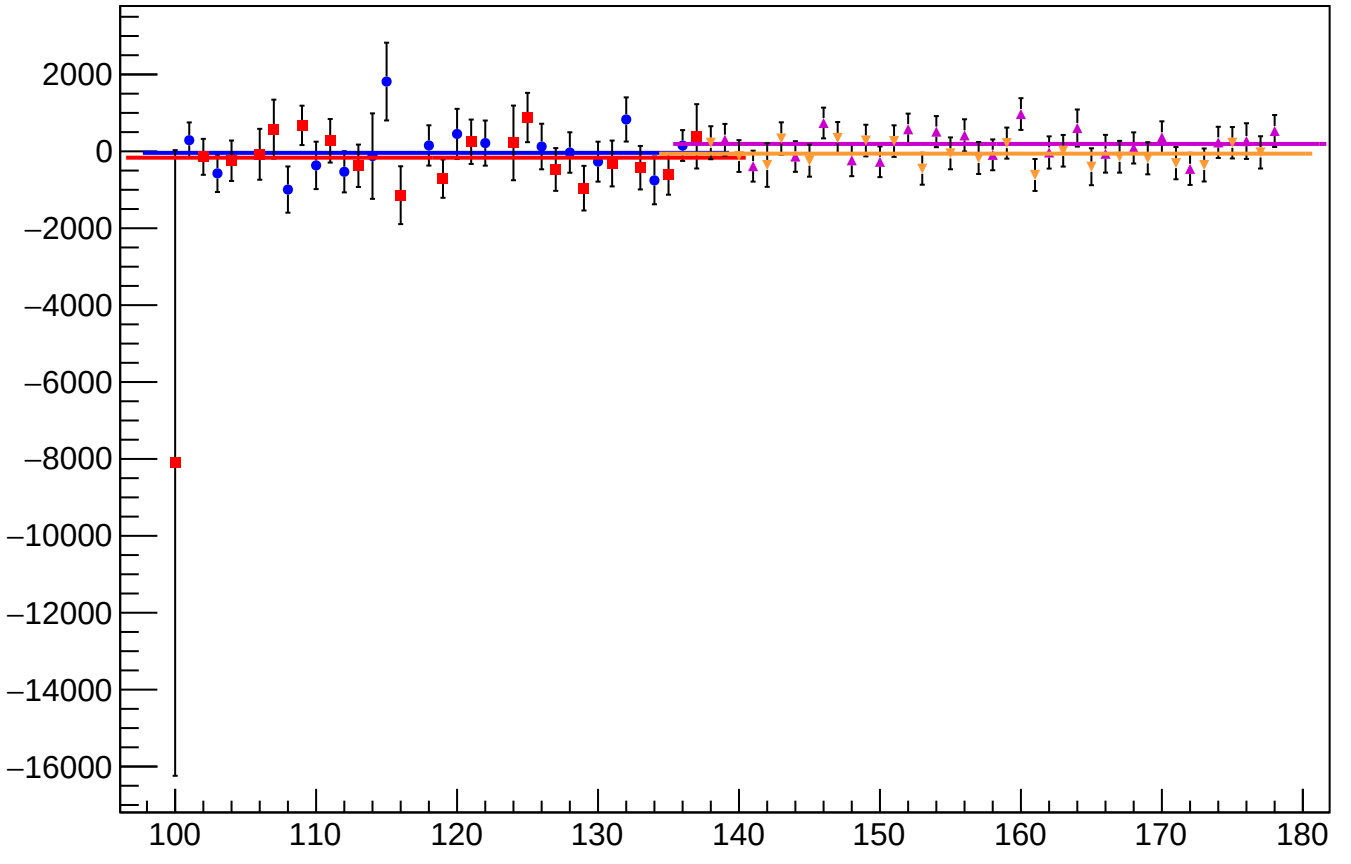
Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

Left In: 358.935+/-0.065 χ^2/NDF:1785007.3/19

+ sign 346.143+/-0.052 χ^2/NDF: 1895937.3/35

All: 345.796+/-0.037 χ^2/NDF: 3895204.7/73

- sign 345.459+/-0.051 χ^2/NDF: 1999179.7/37



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: -59.836+/-92.332 χ^2/NDF:9.2/20

Right Out: -164.639+/-138.962 χ^2/NDF: 15.1/18

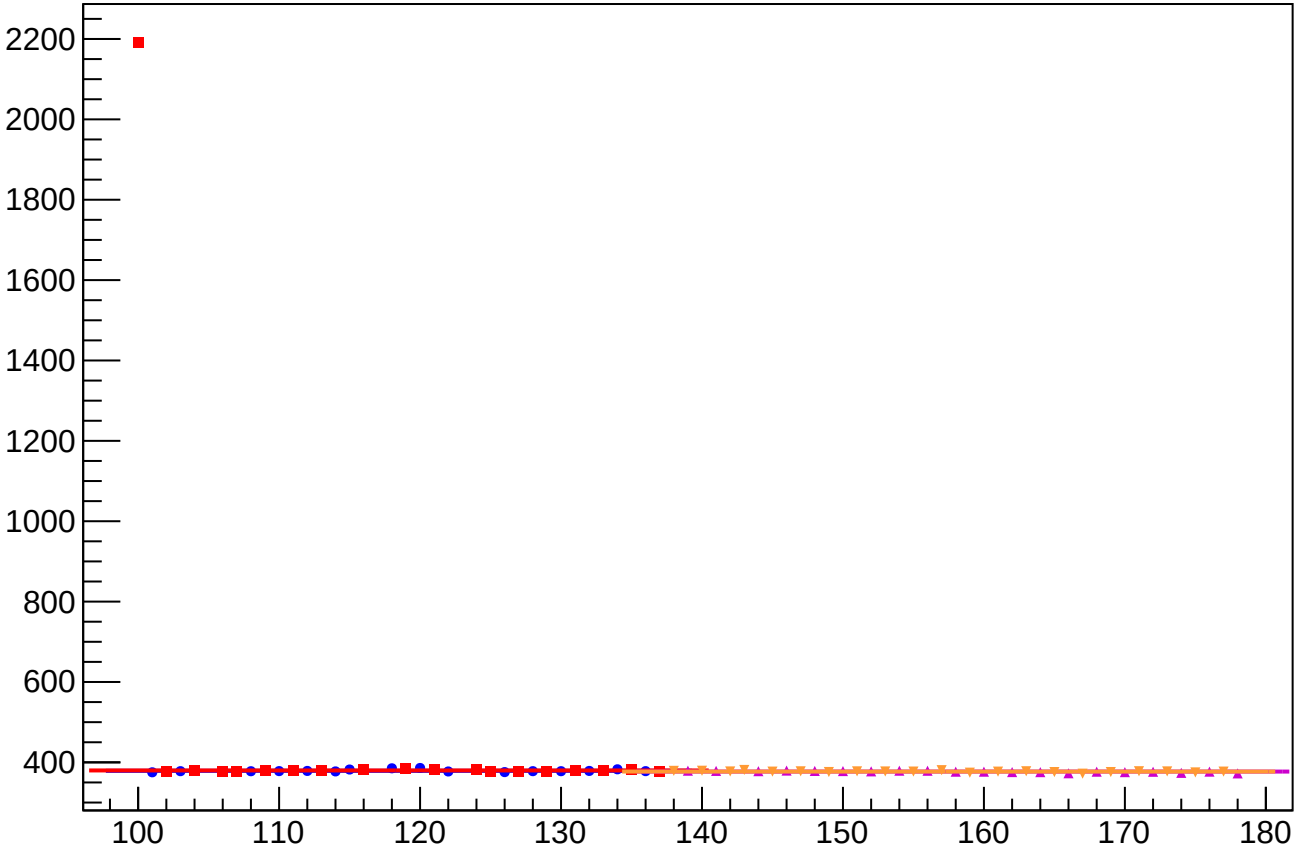
Left In: 192.817+/-93.270 χ^2/NDF:17.6/19

+ sign -53.540+/-77.198 χ^2/NDF: 23.0/36

All: 13.915+/-54.674 χ^2/NDF: 61.7/75

- sign 81.798+/-77.443 χ^2/NDF: 37.2/38

asym_dsr_rms vs Slug



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 377.103+/-0.065 χ^2/NDF:941.0/20

Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

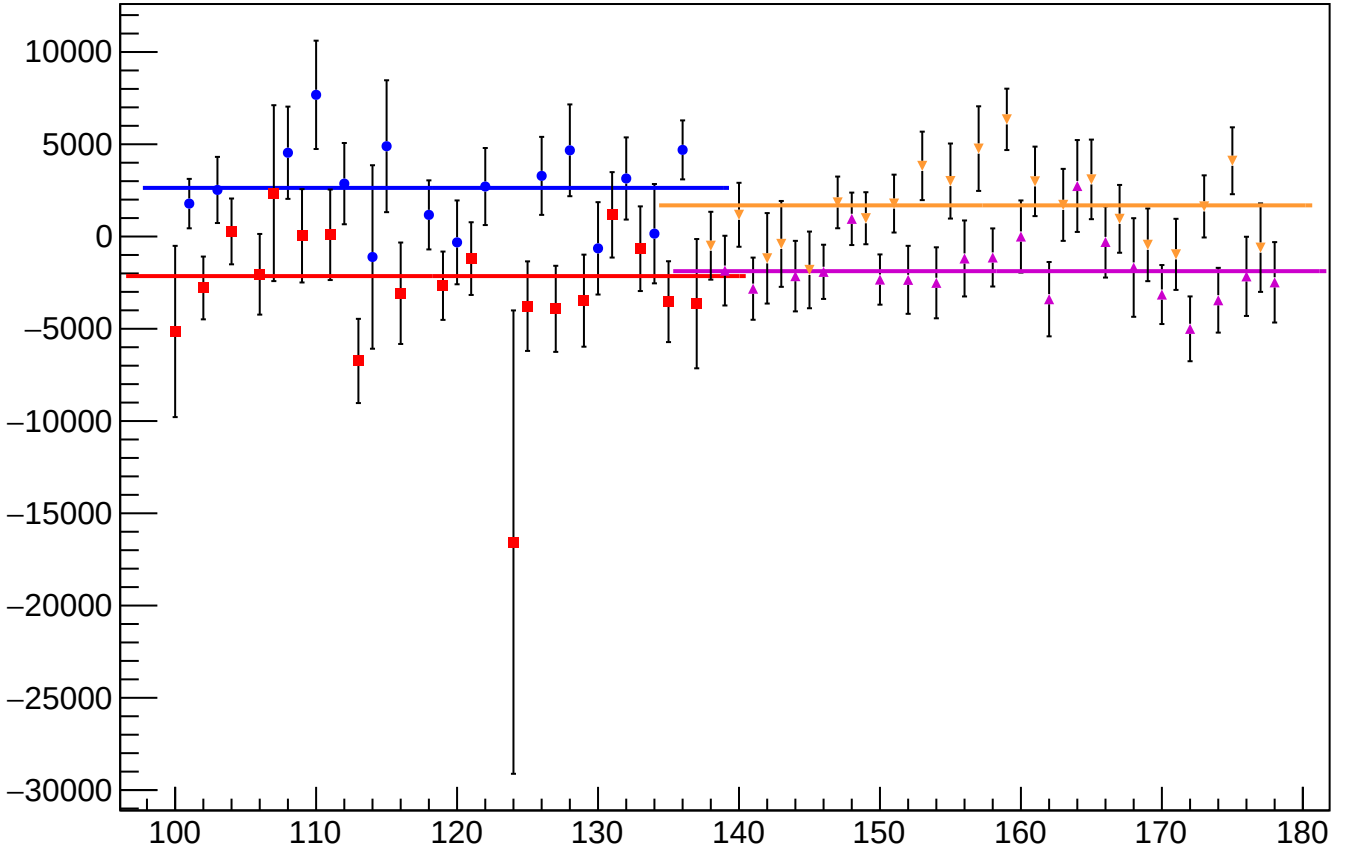
Left In: 377.069+/-0.066 χ^2/NDF:916.1/19

+ sign 377.647+/-0.055 χ^2/NDF: 2022.8/36

All: 377.794+/-0.039 χ^2/NDF: 103138.2/75

- sign 377.942+/-0.055 χ^2/NDF: 101100.9/38

asym_us_agg_avg_mean vs Slug



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

Left Out: 1688.779+/-403.951 χ^2/NDF:25.0/20

Right Out: -2144.569+/-546.963 χ^2/NDF: 15.0/18

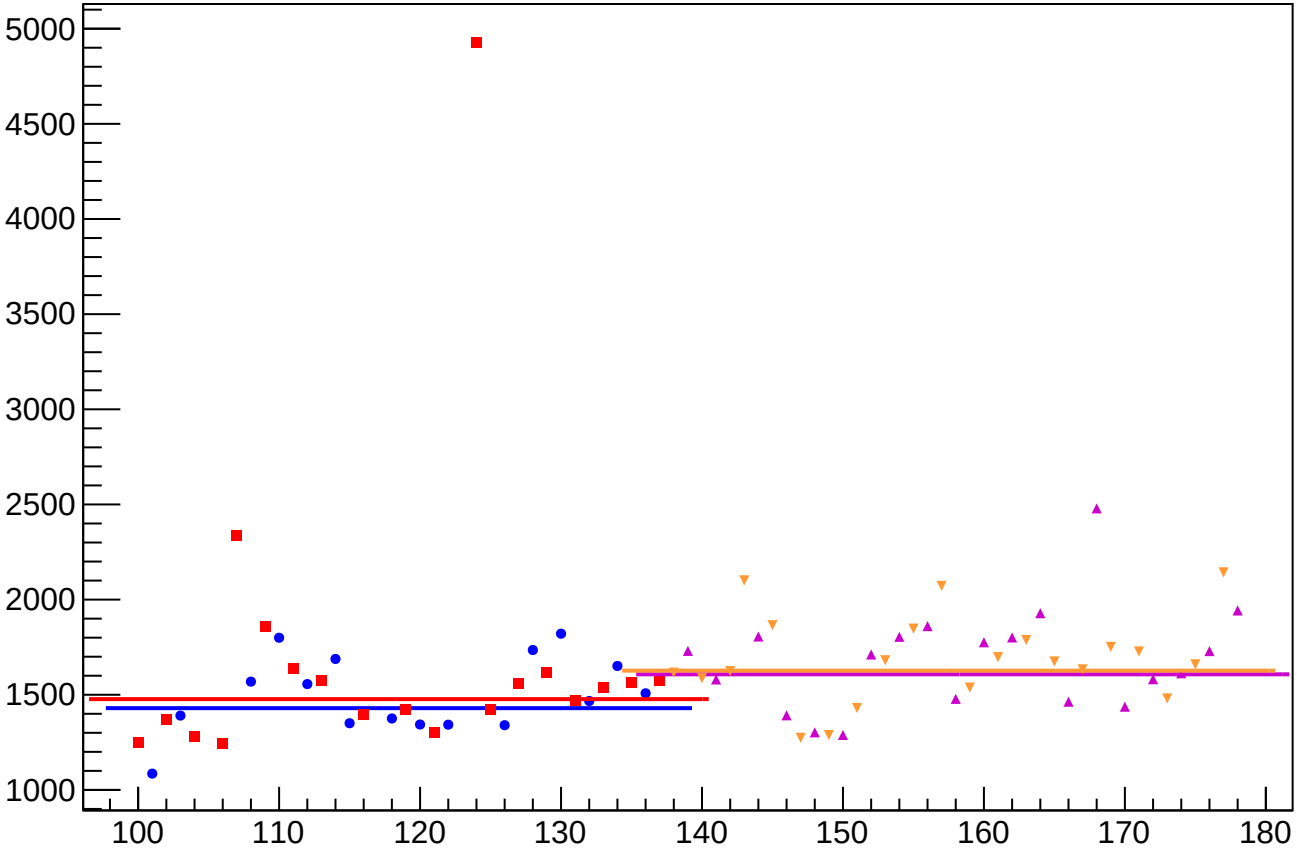
Left In: -1877.120+/-403.104 χ^2/NDF:15.2/19

+ sign 2030.022+/-323.038 χ^2/NDF: 39.2/36

All: 38.409+/-228.937 χ^2/NDF: 146.1/75

- sign -1971.255+/-324.499 χ^2/NDF: 30.4/38

asym_us_agg_avg_rms vs Slug



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

Left Out: 1626.808+/-0.286 χ^2/NDF:630303.3/20

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

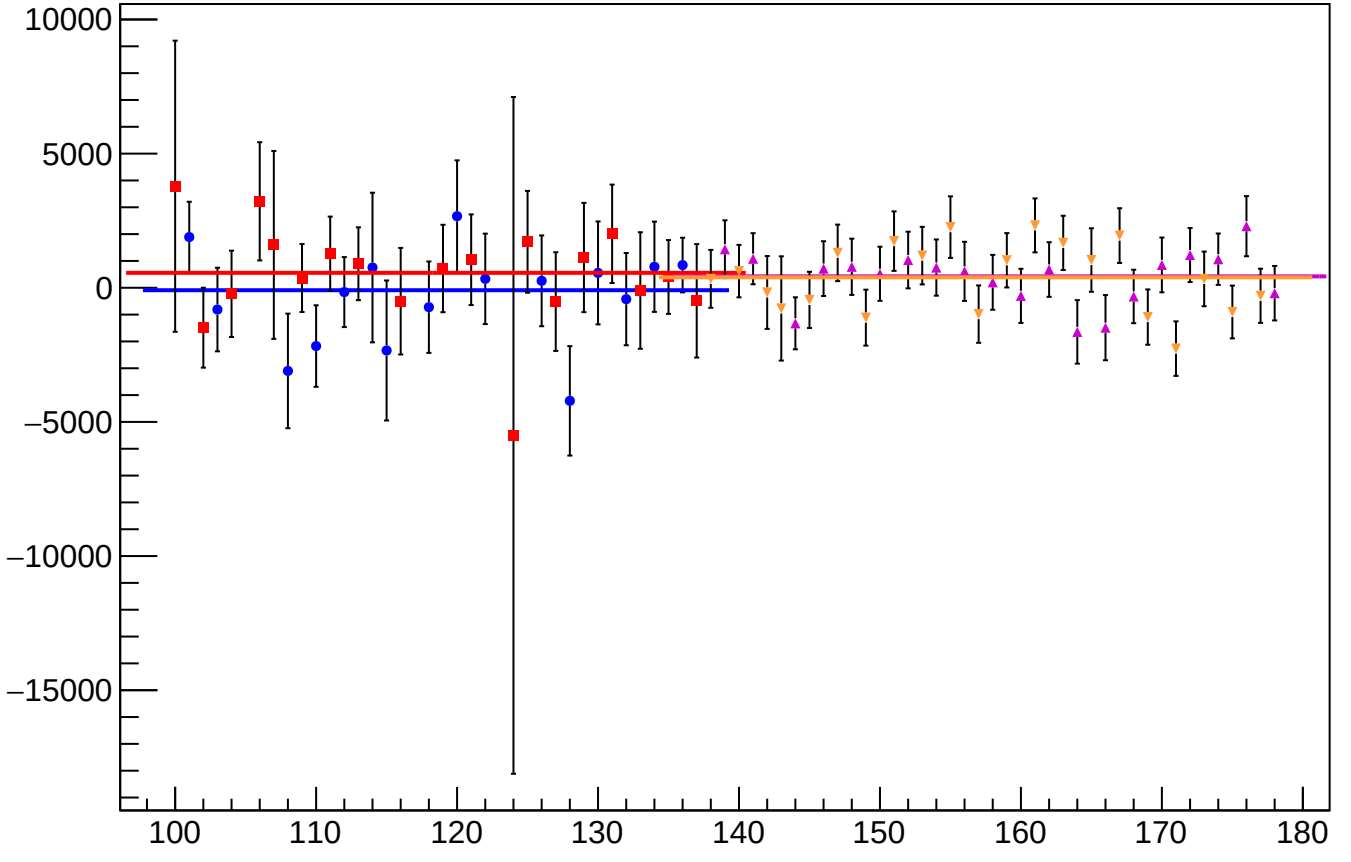
Left In: 1607.394+/-0.285 χ^2/NDF:713829.1/19

+ sign 1555.737+/-0.228 χ^2/NDF: 1095432.7/36

All: 1558.627+/-0.162 χ^2/NDF: 2252529.8/75

- sign 1561.543+/-0.229 χ^2/NDF: 1156775.5/38

asym_us_agg_dd_mean vs Slug



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

Left Out: 388.926+/-234.000 χ^2/NDF:29.8/20

Right Out: 556.840+/-411.346 χ^2/NDF: 6.8/18

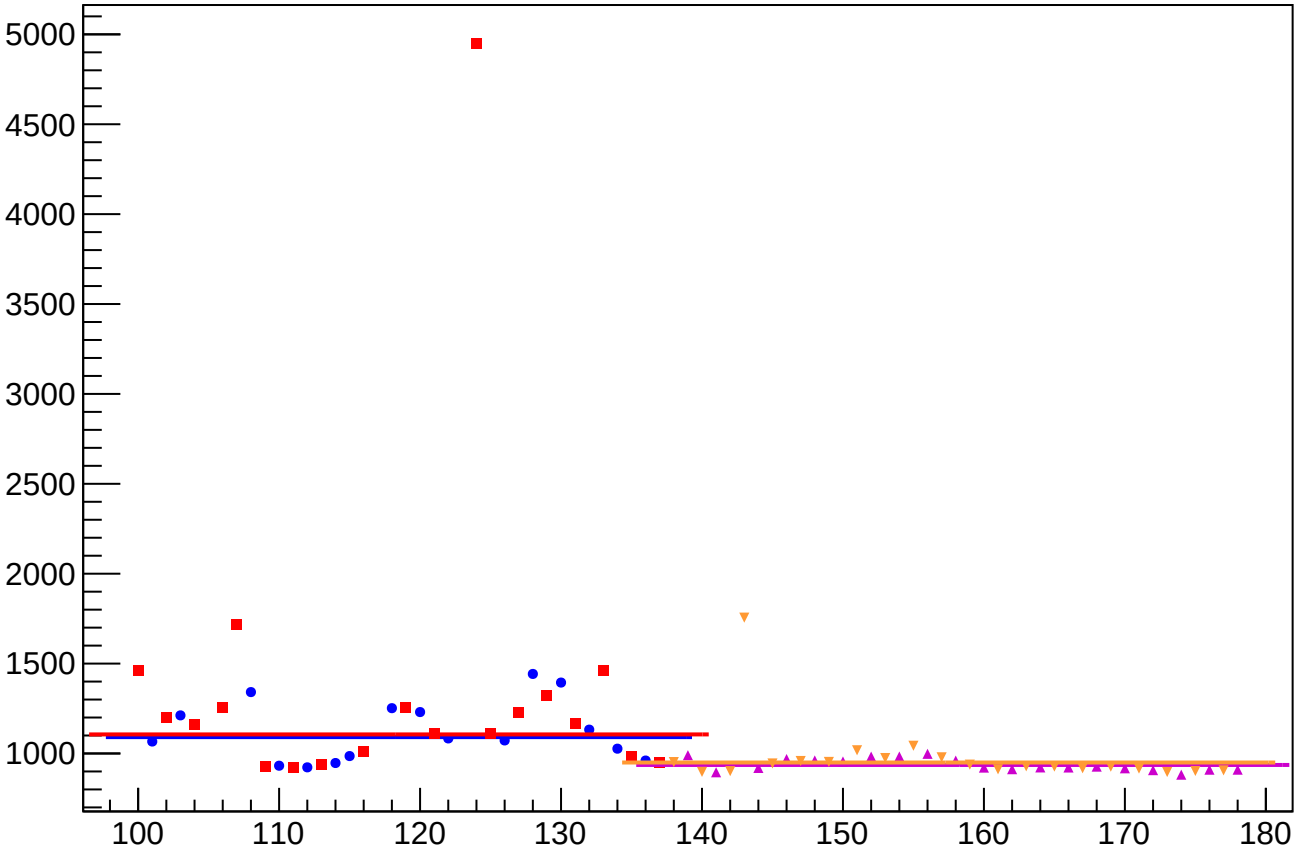
Left In: 424.958+/-231.742 χ^2/NDF:16.4/19

+ sign 270.914+/-203.224 χ^2/NDF: 45.4/36

All: 364.428+/-143.233 χ^2/NDF: 69.1/75

- sign 456.732+/-201.905 χ^2/NDF: 23.3/38

asym_us_agg_dd_rms vs Slug



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

Left Out: 949.764+/-0.165 χ^2/NDF:399148.0/20

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

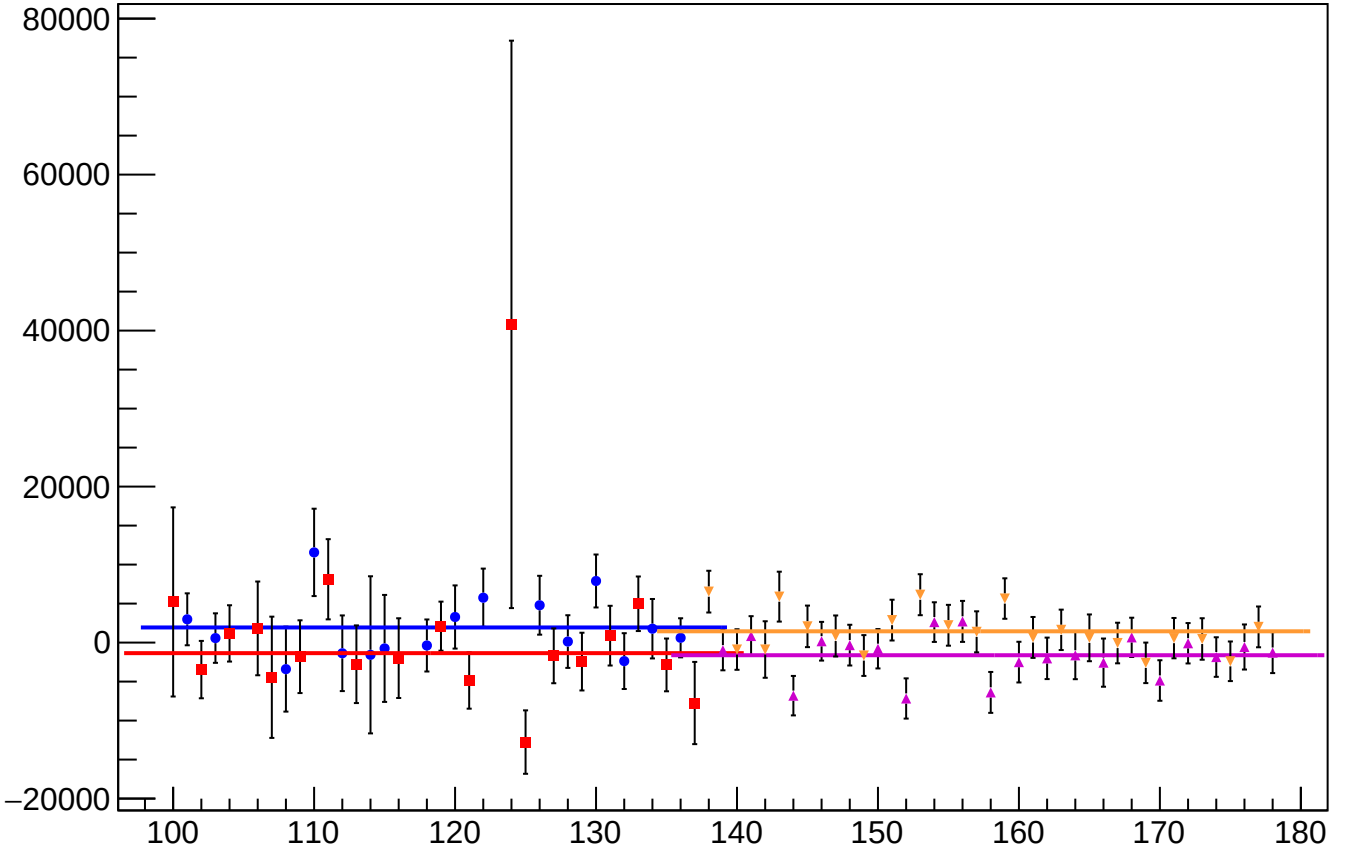
Left In: 936.161+/-0.164 χ^2/NDF:41935.2/19

+ sign 984.481+/-0.144 χ^2/NDF: 855603.2/36

All: 980.762+/-0.101 χ^2/NDF: 1671915.2/75

- sign 977.090+/-0.143 χ^2/NDF: 814980.7/38

reg_asym_atl1_mean vs Slug



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1447.143+/-585.489 χ^2/NDF:20.0/20

Right Out: -1353.428+/-985.119 χ^2/NDF: 21.8/18

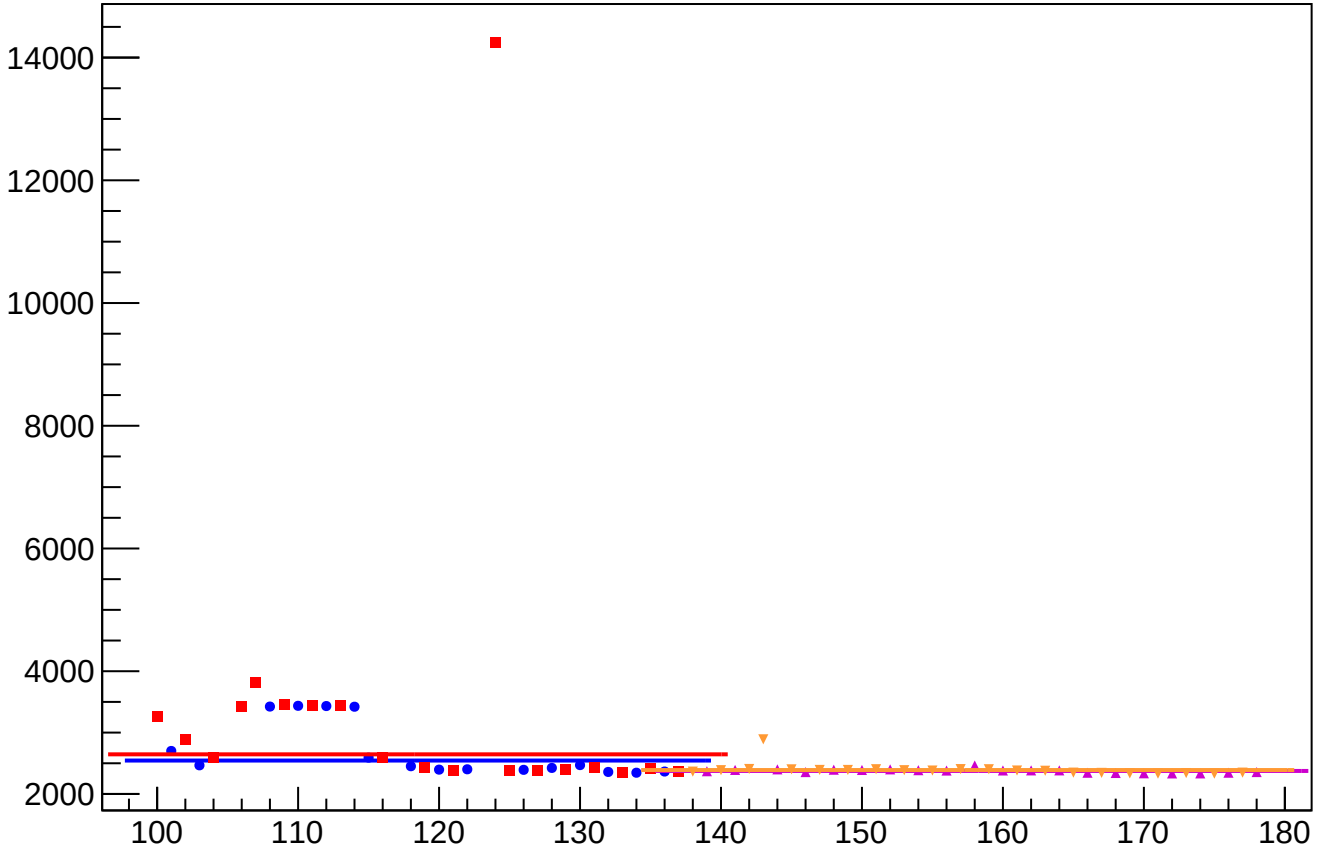
Left In: -1620.700+/-587.428 χ^2/NDF:22.6/19

+ sign 1582.195+/-498.797 χ^2/NDF: 32.4/36

All: 33.721+/-354.715 χ^2/NDF: 96.4/75

- sign -1550.593+/-504.537 χ^2/NDF: 44.5/38

reg_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2389.446+/-0.414 χ^2/NDF:54761.5/20

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

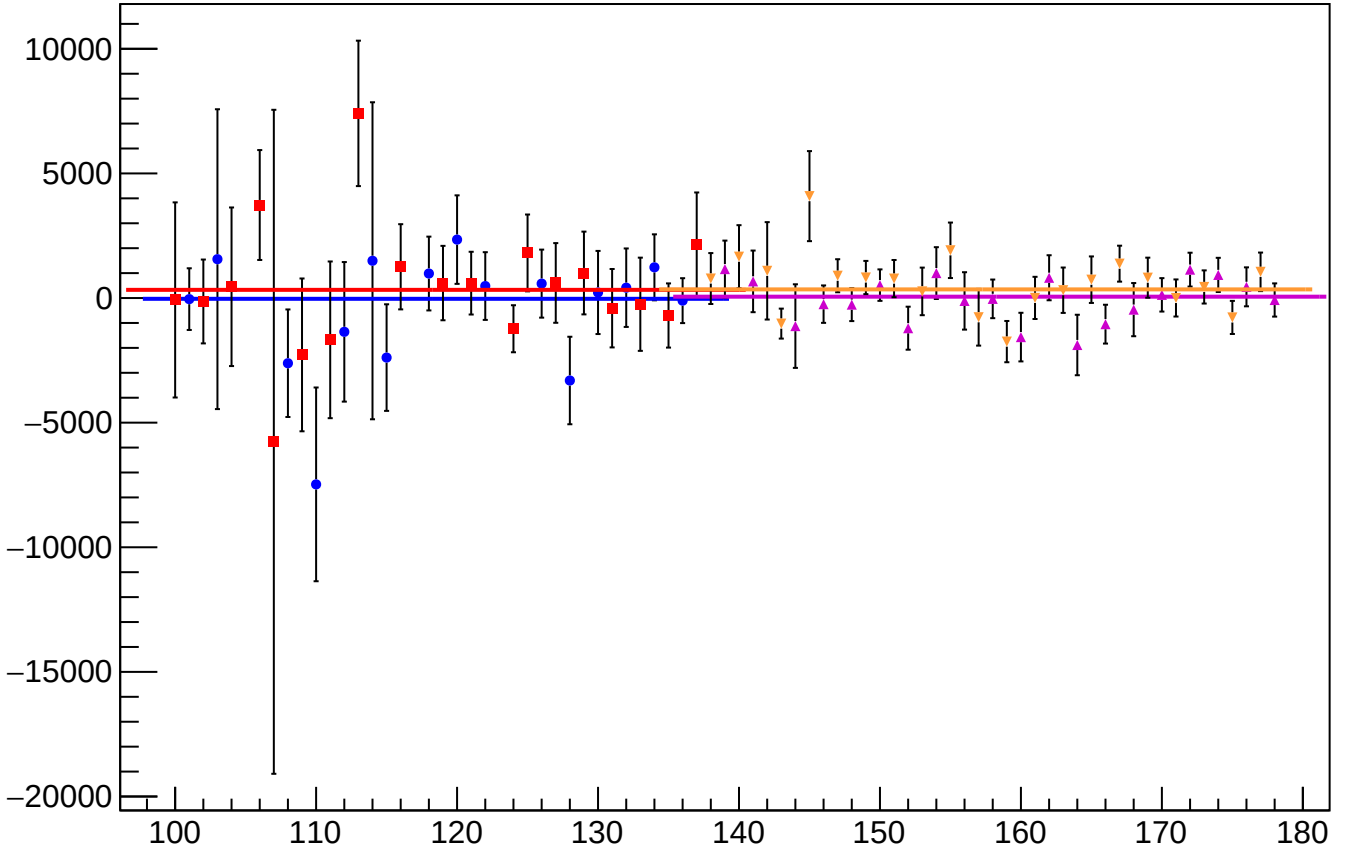
Left In: 2374.801+/-0.415 χ^2/NDF:5466.0/19

+ sign 2431.940+/-0.353 χ^2/NDF: 318796.9/36

All: 2438.813+/-0.251 χ^2/NDF: 973521.4/75

- sign 2445.845+/-0.357 χ^2/NDF: 653956.3/38

asym_atl1_reg_correction_mean vs Slug



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 347.111+/-180.756 χ^2/NDF:28.5/20

Right Out: 328.475+/-398.568 χ^2/NDF: 15.6/18

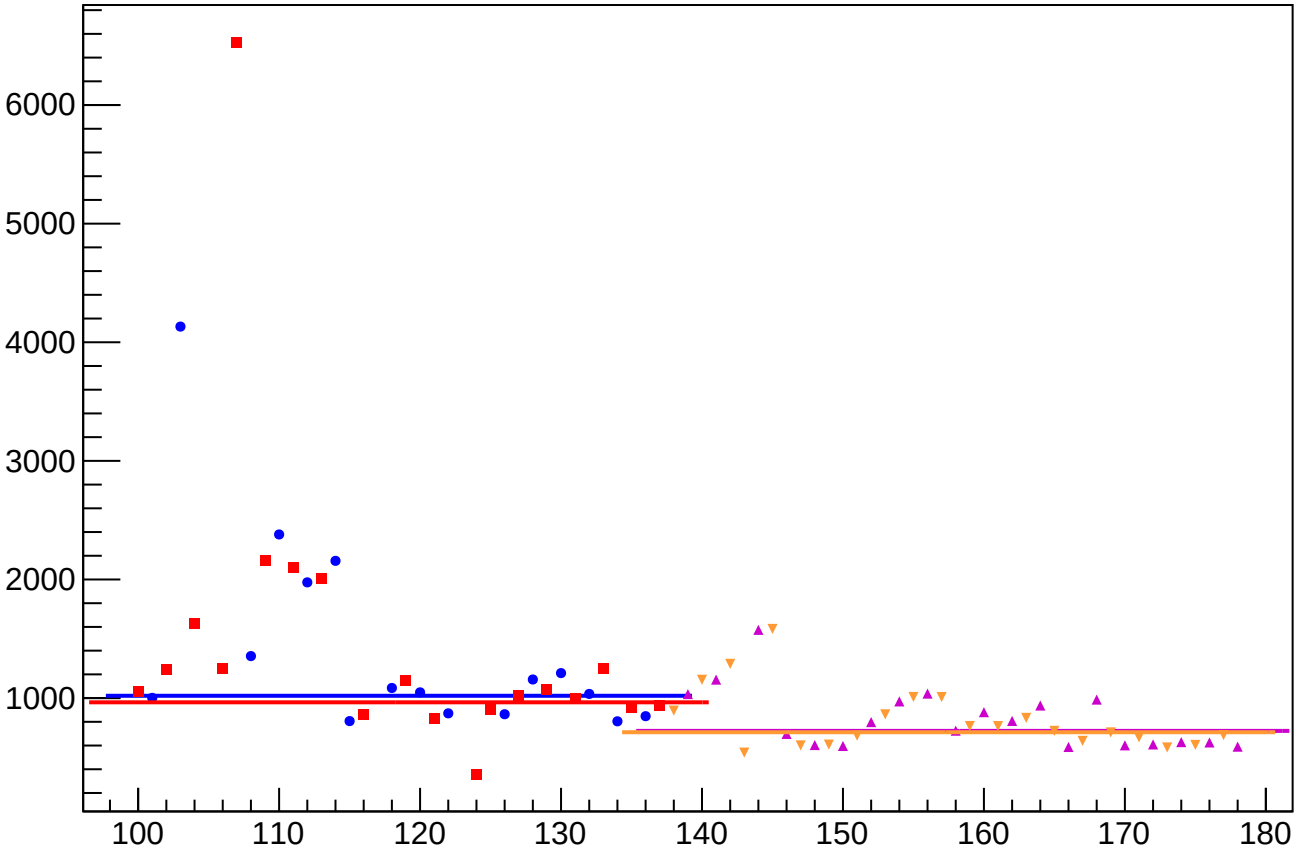
Left In: 54.464+/-185.923 χ^2/NDF:18.4/19

+ sign 284.461+/-165.111 χ^2/NDF: 43.0/36

All: 195.781+/-117.928 χ^2/NDF: 78.0/75

- sign 103.433+/-168.492 χ^2/NDF: 34.4/38

asym_atl1_reg_correction_rms vs Slug



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 712.223+/-0.128 χ^2/NDF:1754707.5/20

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

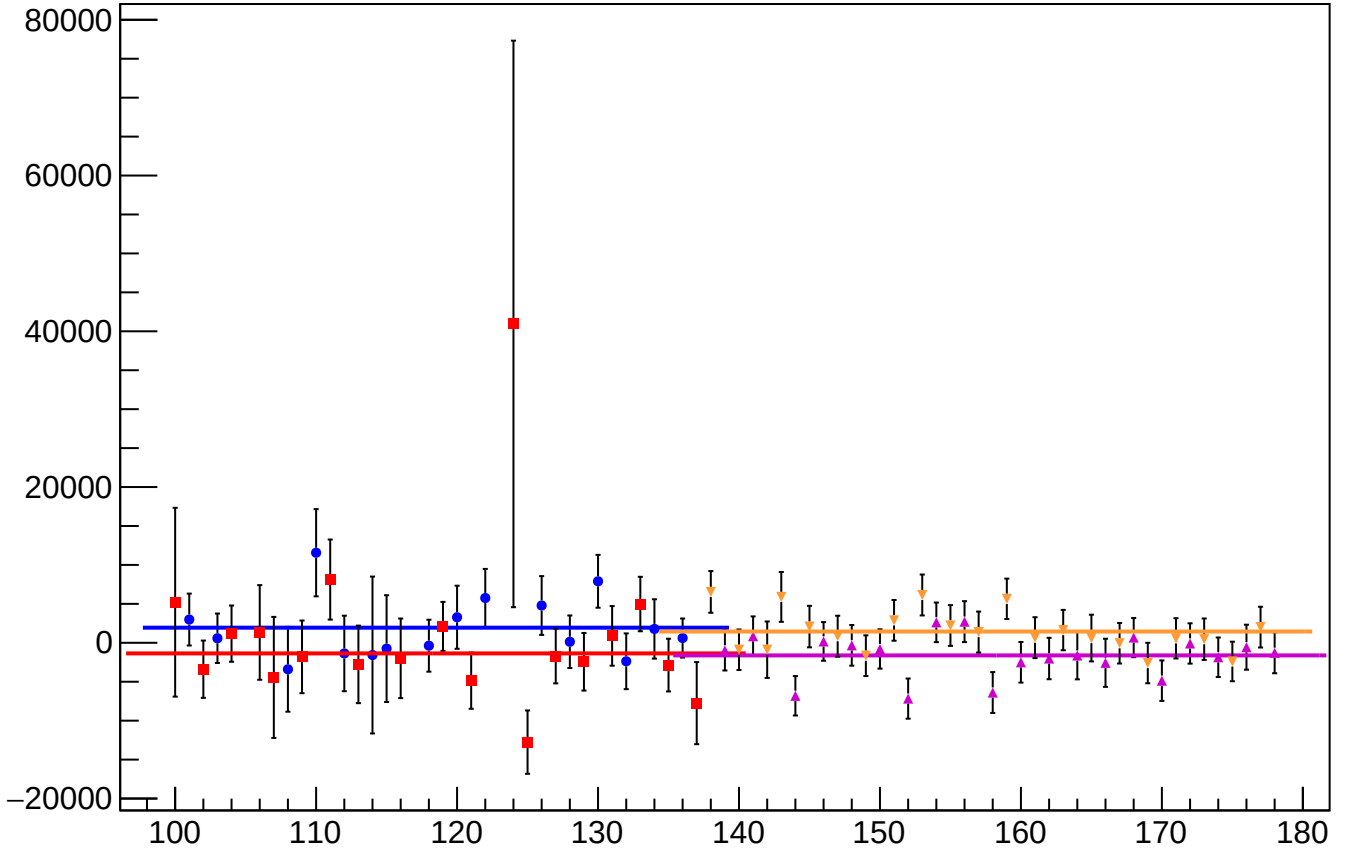
Left In: 723.482+/-0.131 χ^2/NDF:1920912.1/19

\+ sign 763.115+/-0.117 χ^2/NDF: 4076774.0/36

All: 764.790+/-0.083 χ^2/NDF: 8907508.9/75

\- sign 766.533+/-0.119 χ^2/NDF: 4830315.0/38

cor_asym_atl1_mean vs Slug



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1447.076+/-585.489 χ^2/NDF:20.0/20

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

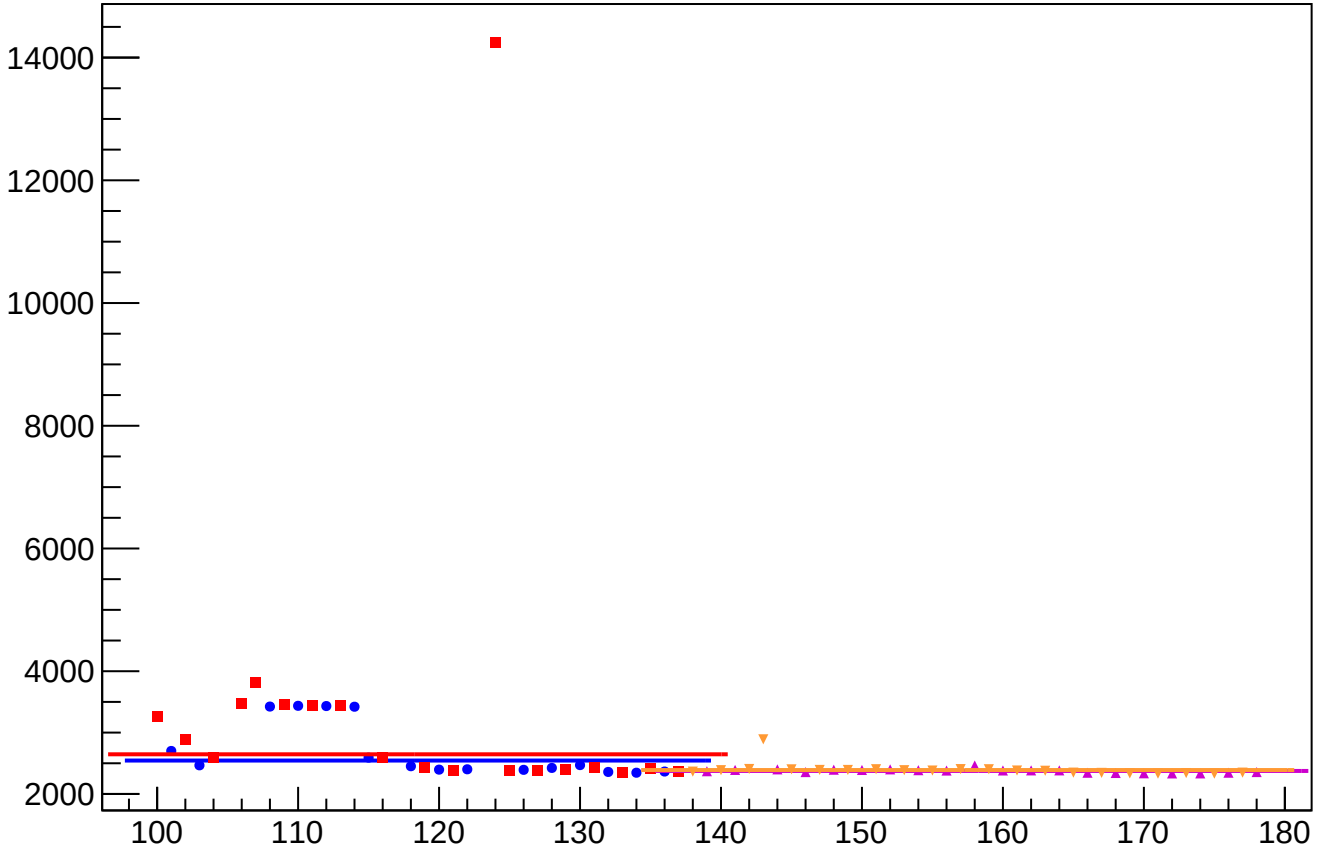
Left In: -1620.760+/-587.428 χ^2/NDF:22.6/19

+ sign 1582.243+/-498.797 χ^2/NDF: 32.4/36

All: 32.581+/-354.729 χ^2/NDF: 96.4/75

- sign -1553.202+/-504.577 χ^2/NDF: 44.4/38

cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2389.446+/-0.414 χ^2/NDF:54761.5/20

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

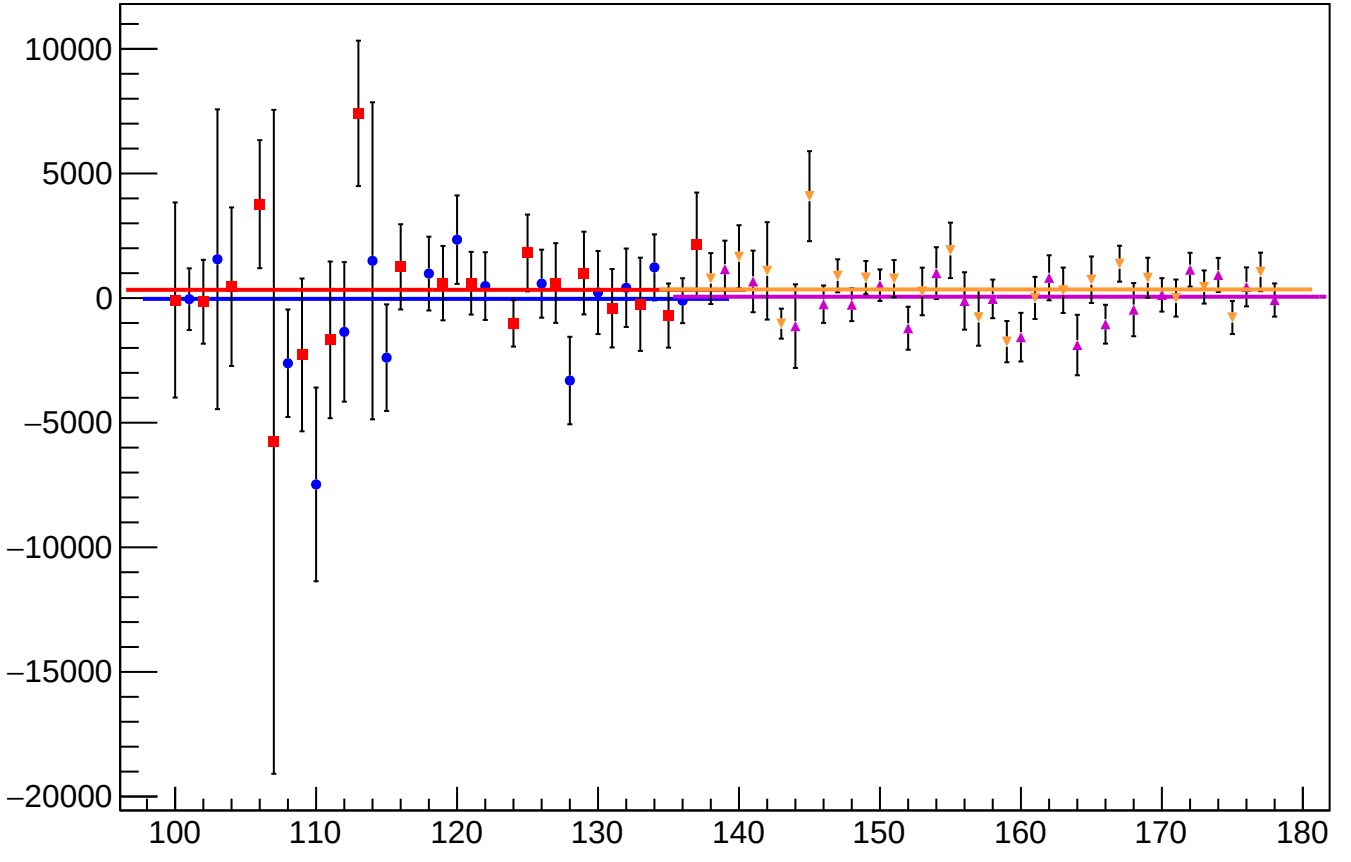
Left In: 2374.801+/-0.415 χ^2/NDF:5466.0/19

+ sign 2431.940+/-0.353 χ^2/NDF: 318796.9/36

All: 2438.869+/-0.251 χ^2/NDF: 976523.7/75

- sign 2445.959+/-0.357 χ^2/NDF: 656946.0/38

asym_atl1_cor_correction_mean vs Slug



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 347.067+/-180.757 χ^2/NDF:28.5/20

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

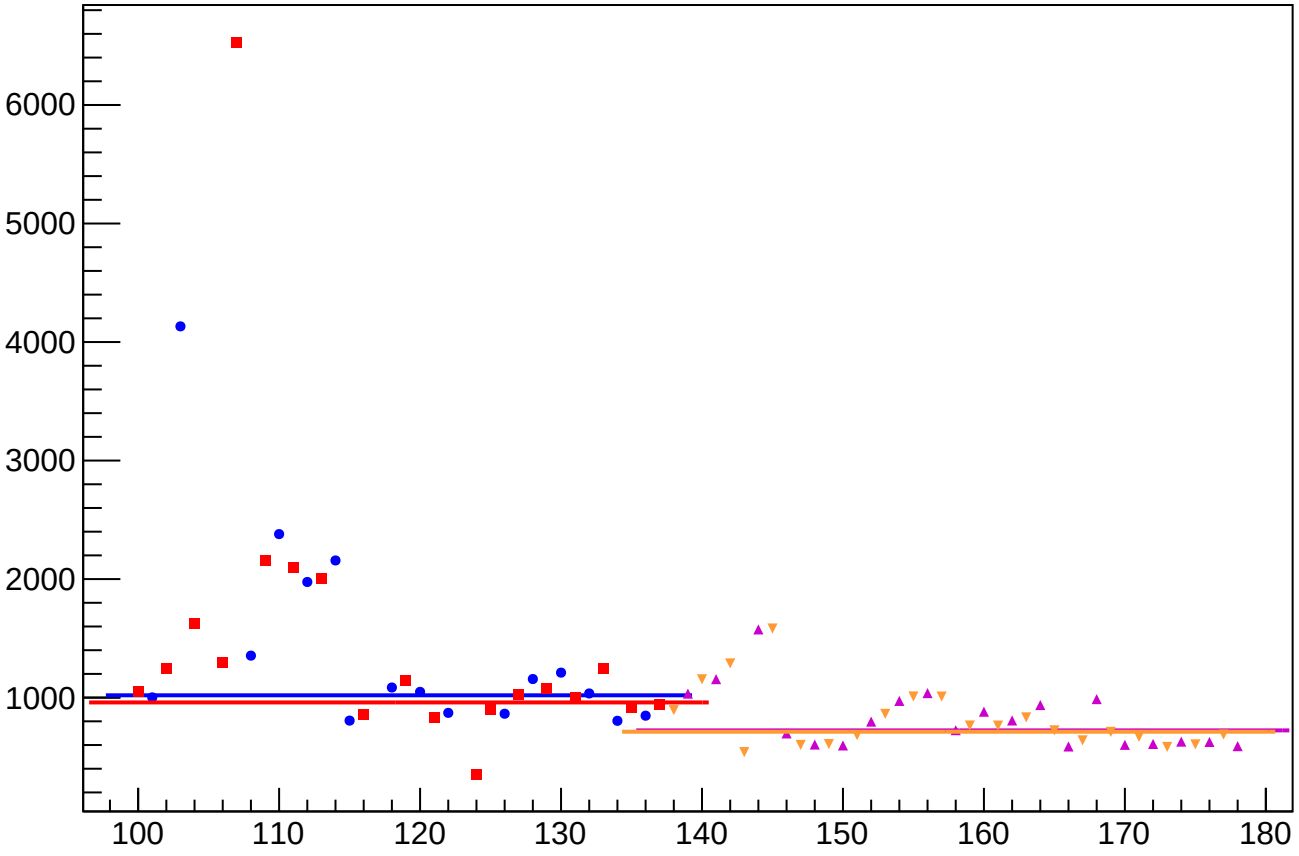
Left In: 54.382+/-185.923 χ^2/NDF:18.4/19

+ sign 284.412+/-165.112 χ^2/NDF: 43.0/36

All: 195.983+/-117.949 χ^2/NDF: 76.7/75

- sign 103.833+/-168.551 χ^2/NDF: 33.2/38

asym_atl1_cor_correction_rms vs Slug



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 712.226+/-0.128 χ^2/NDF:1754792.0/20

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

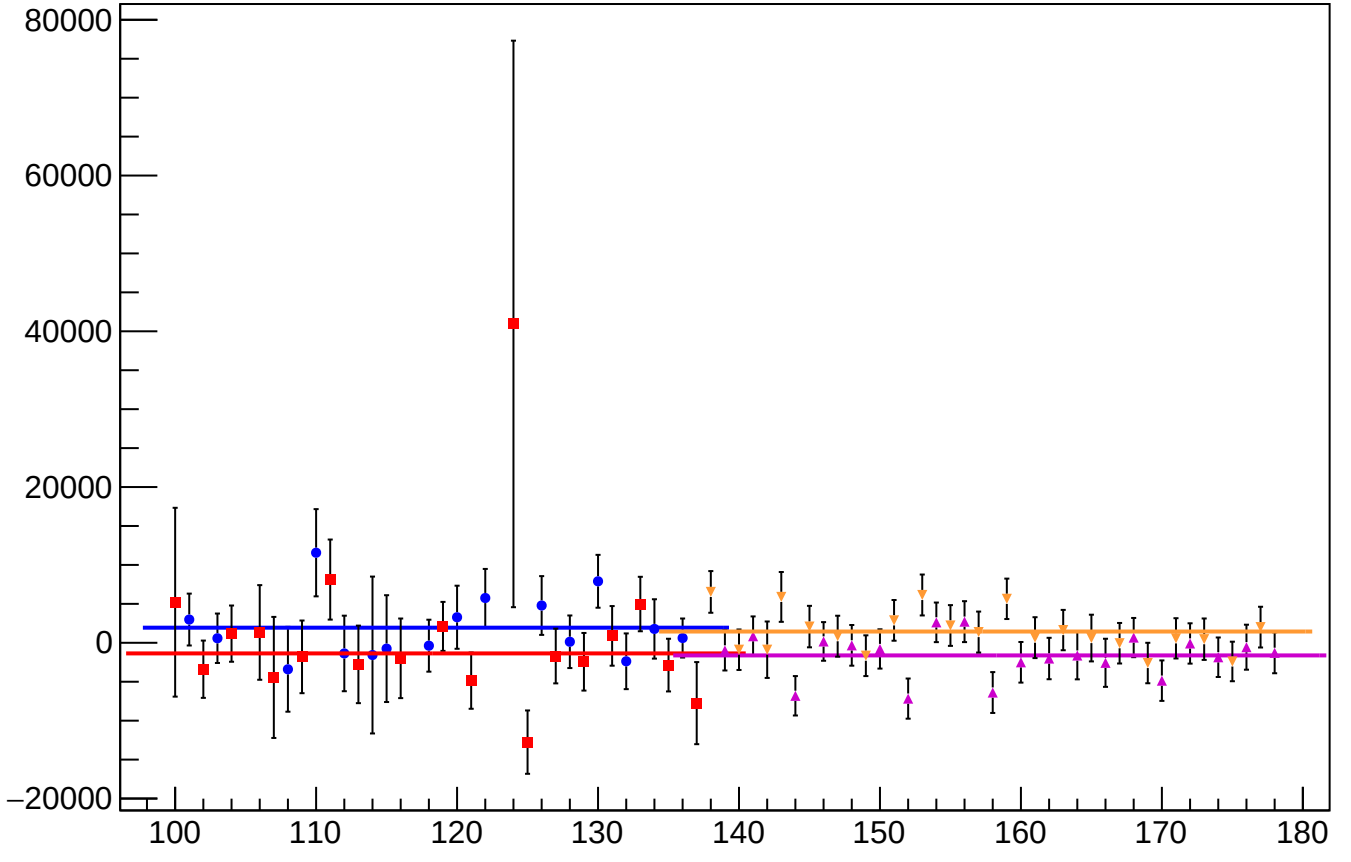
Left In: 723.485+/-0.131 χ^2/NDF:1921025.4/19

\+ sign 763.117+/-0.117 χ^2/NDF: 4076792.4/36

All: 764.286+/-0.083 χ^2/NDF: 8915852.8/75

\- sign 765.503+/-0.119 χ^2/NDF: 4838855.8/38

eigen_cor_asym_atl1_mean vs Slug



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1447.076+/-585.489 χ^2/NDF:20.0/20

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

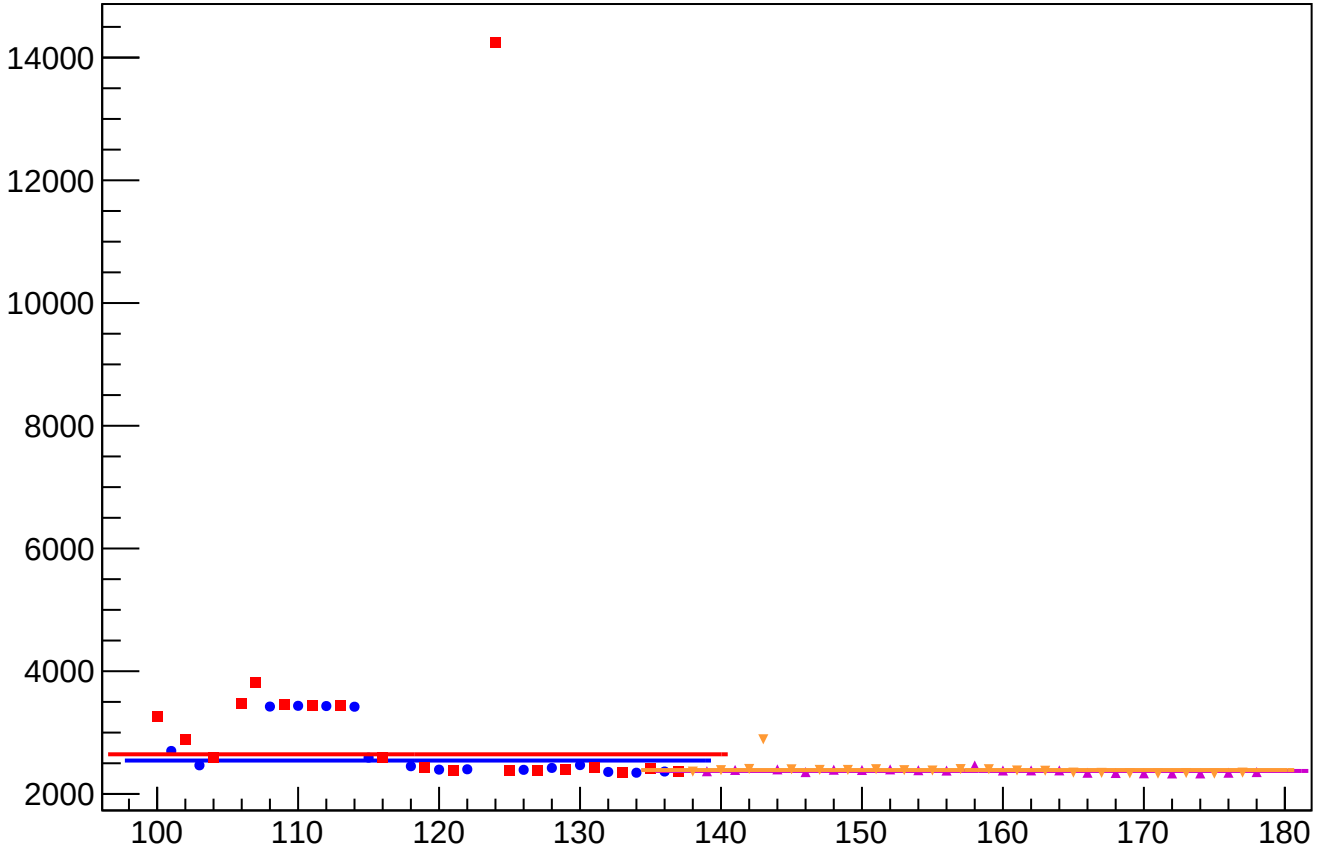
Left In: -1620.760+/-587.428 χ^2/NDF:22.6/19

+ sign 1582.243+/-498.797 χ^2/NDF: 32.4/36

All: 32.581+/-354.729 χ^2/NDF: 96.4/75

- sign -1553.202+/-504.577 χ^2/NDF: 44.4/38

eigen_cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2389.446+/-0.414 χ^2/NDF:54761.5/20

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

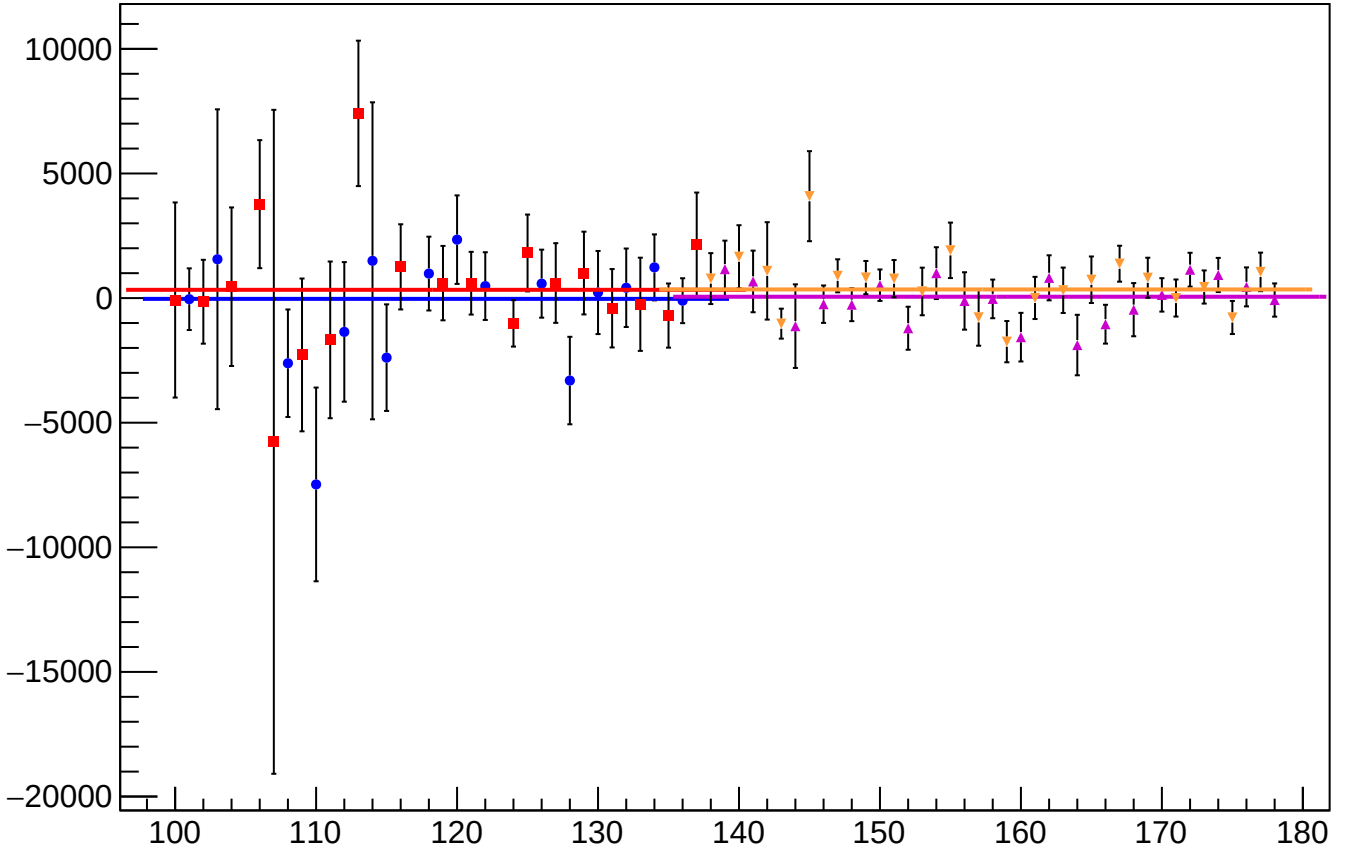
Left In: 2374.801+/-0.415 χ^2/NDF:5466.0/19

+ sign 2431.940+/-0.353 χ^2/NDF: 318796.9/36

All: 2438.869+/-0.251 χ^2/NDF: 976523.7/75

- sign 2445.959+/-0.357 χ^2/NDF: 656946.0/38

asym_atl1_eigen_cor_correction_mean vs Slug



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 347.067+/-180.757 χ^2/NDF:28.5/20

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

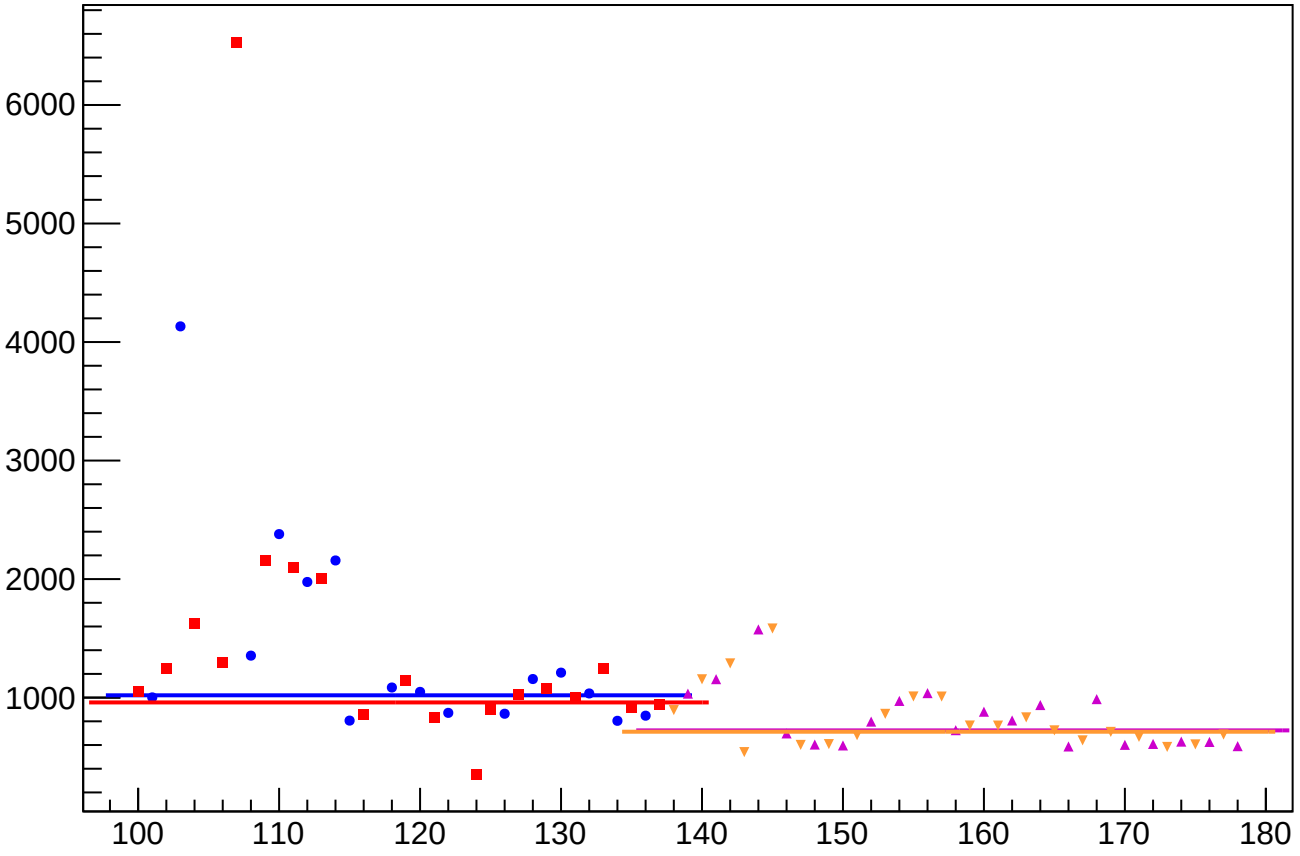
Left In: 54.382+/-185.923 χ^2/NDF:18.4/19

+ sign 284.412+/-165.112 χ^2/NDF: 43.0/36

All: 195.983+/-117.949 χ^2/NDF: 76.7/75

- sign 103.833+/-168.551 χ^2/NDF: 33.2/38

asym_atl1_eigen_cor_correction_rms vs Slug



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Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 723.485+/-0.131 χ^2/NDF:1921025.4/19

\+ sign 763.117+/-0.117 χ^2/NDF: 4076792.4/36

All: 764.286+/-0.083 χ^2/NDF: 8915852.8/75

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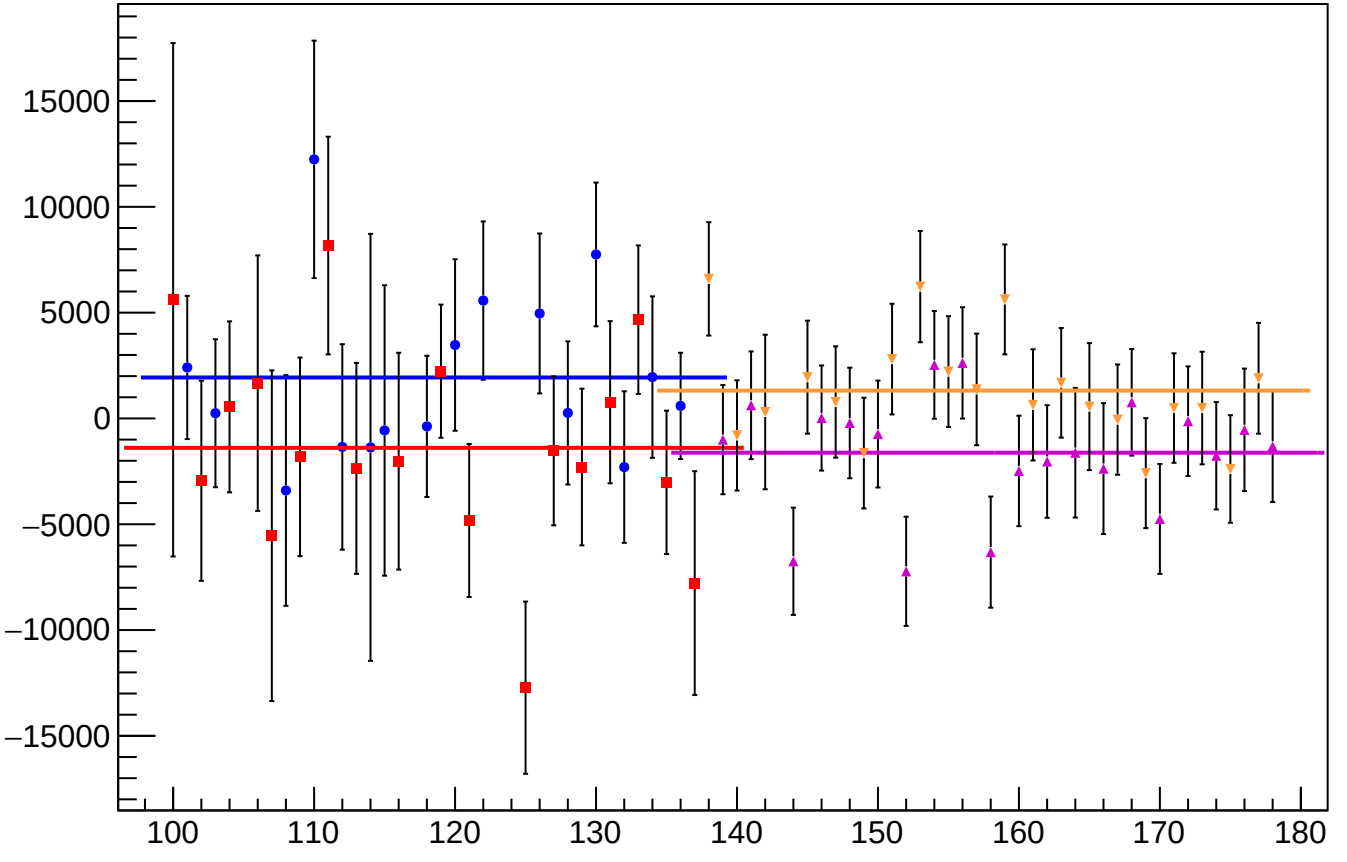
dit_asym_atl1_mean vs Slug



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1316.204+/-596.213 χ^2/NDF:17.7/19

Right Out: -1387.548+/-1009.105 χ^2/NDF: 19.8/17

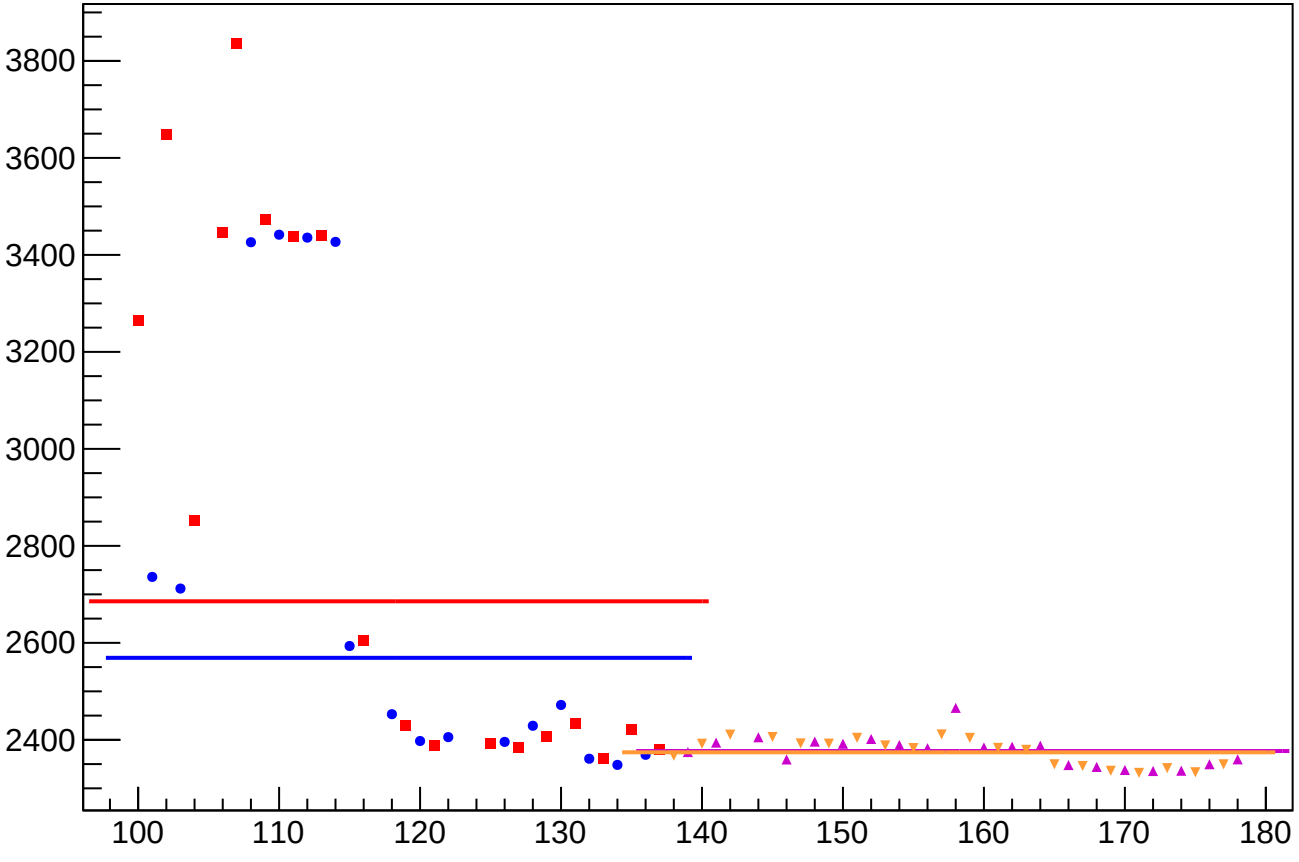
Left In: -1618.348+/-587.959 χ^2/NDF:22.0/19

+ sign 1488.120+/-506.824 χ^2/NDF: 30.4/35

All: -32.283+/-358.800 χ^2/NDF: 90.2/73

- sign -1559.853+/-508.017 χ^2/NDF: 41.8/37

dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2374.315+/-0.422 χ^2/NDF:4146.1/19

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

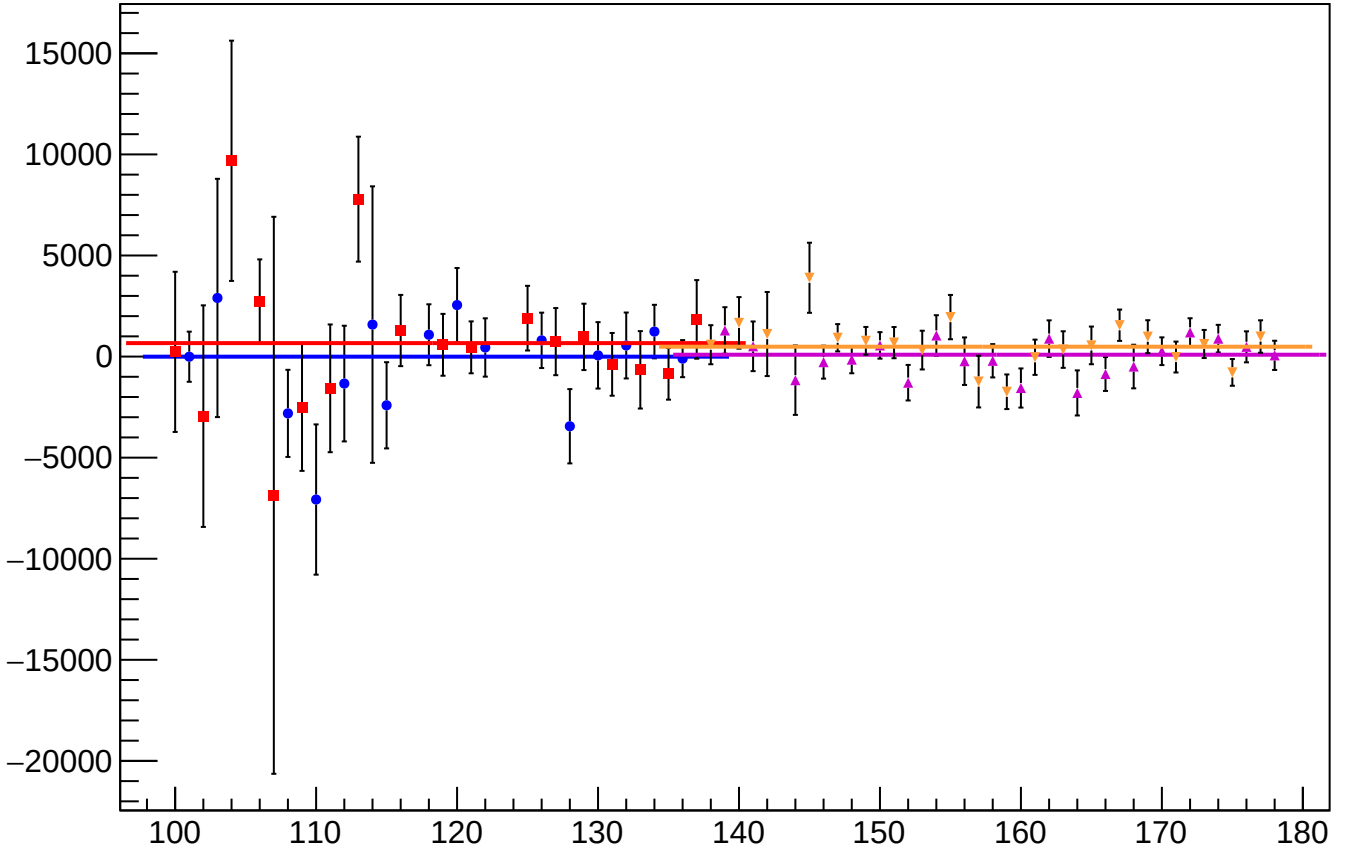
Left In: 2376.938+/-0.416 χ^2/NDF:5474.3/19

+ sign 2428.352+/-0.358 χ^2/NDF: 292864.3/35

All: 2441.737+/-0.254 χ^2/NDF: 860163.8/73

- sign 2455.186+/-0.359 χ^2/NDF: 564502.9/37

asym_atl1_dit_correction_mean vs Slug



Right In: -5.169+/-412.248 χ^2/NDF: 14.5/15

Left Out: 487.842+/-193.790 χ^2/NDF:23.1/19

Right Out: 665.952+/-460.513 χ^2/NDF: 14.4/17

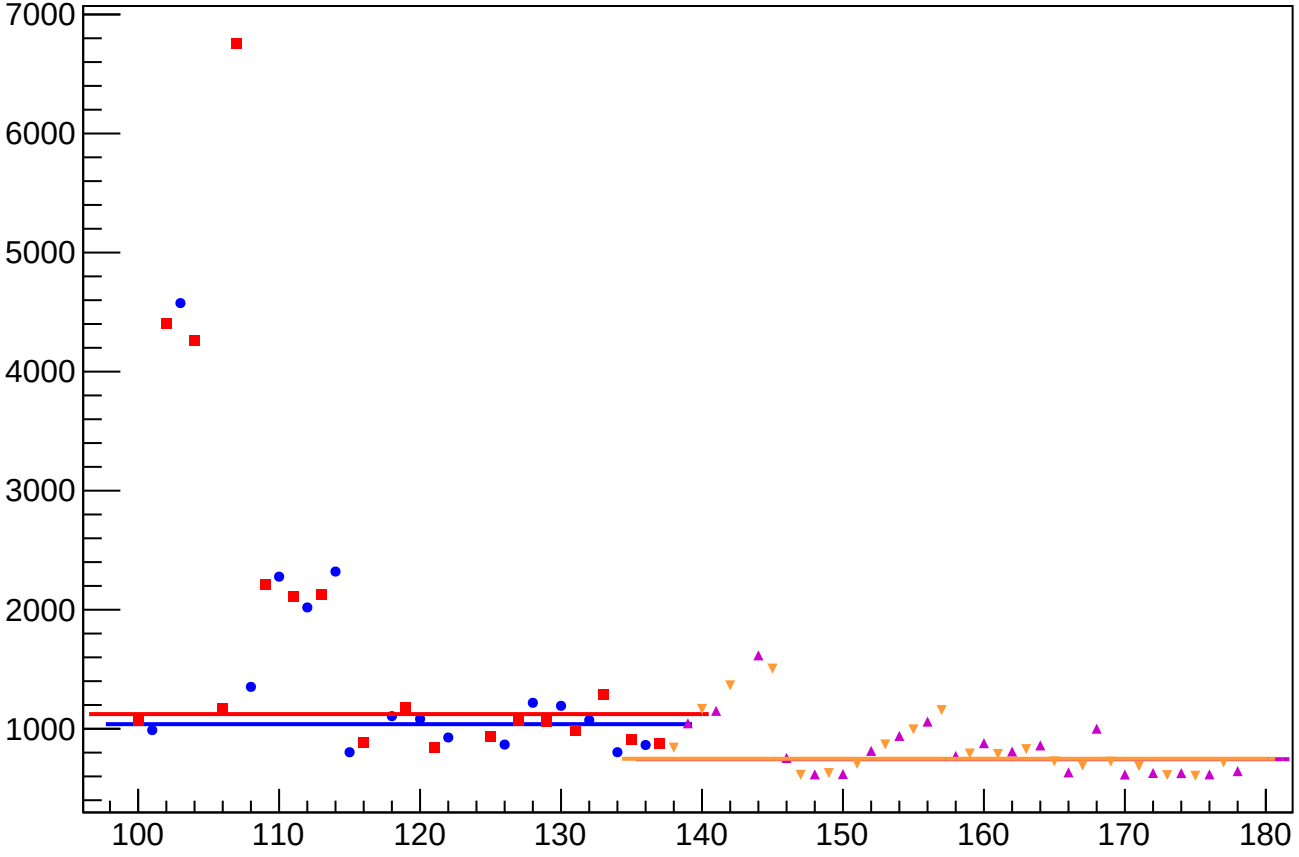
Left In: 91.230+/-190.380 χ^2/NDF:18.5/19

\+ sign 398.615+/-175.379 χ^2/NDF: 38.8/35

All: 287.221+/-124.209 χ^2/NDF: 73.8/73

\- sign 175.117+/-175.938 χ^2/NDF: 34.1/37

asym_atl1_dit_correction_rms vs Slug



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 748.254+/-0.137 χ^2/NDF:1500713.6/19

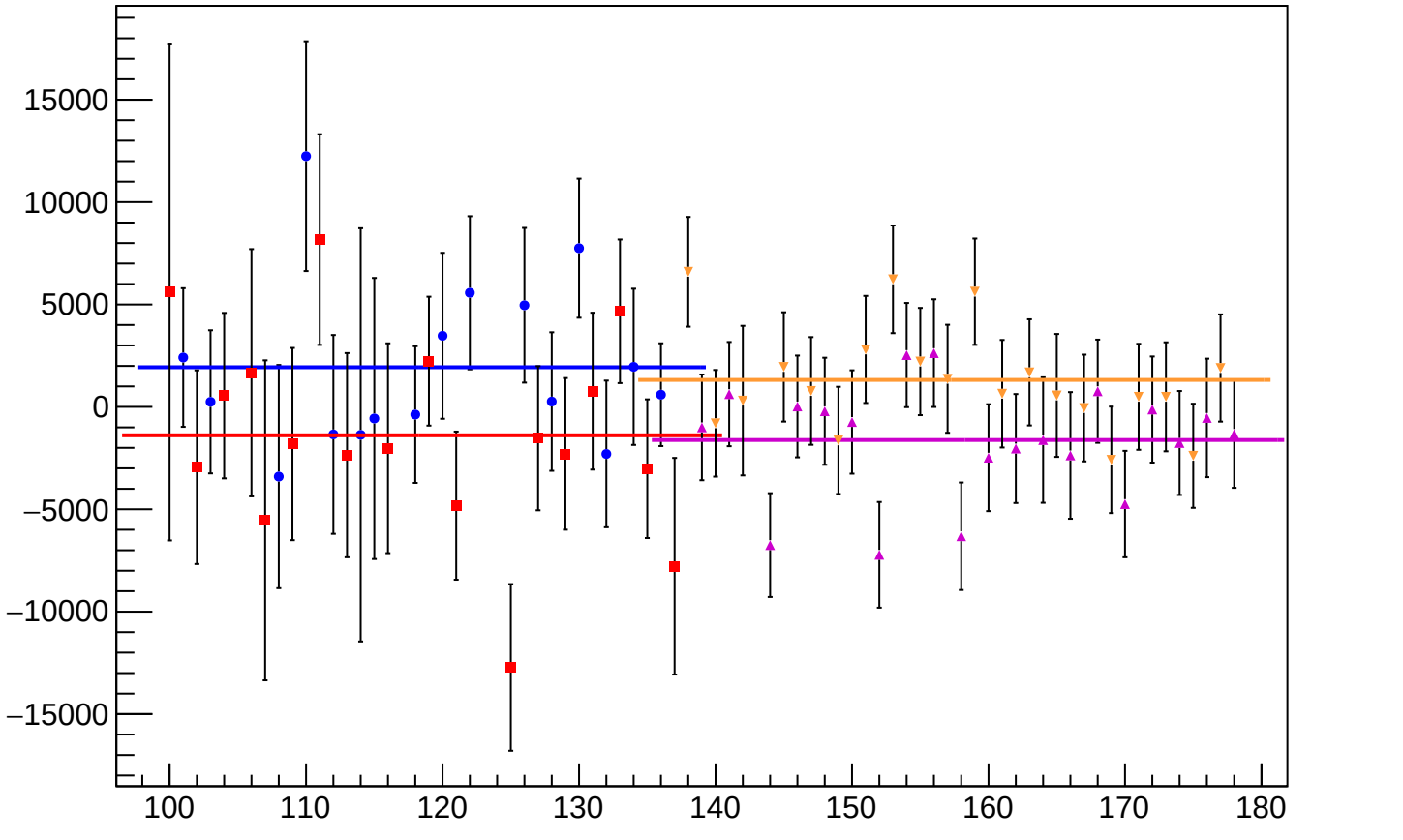
Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

Left In: 744.762+/-0.135 χ^2/NDF:1746642.8/19

+ sign 800.839+/-0.124 χ^2/NDF: 3854104.0/35

All: 800.440+/-0.088 χ^2/NDF: 9291441.8/73

- sign 800.039+/-0.124 χ^2/NDF: 5437317.1/37



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

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Right Out: -1387.545+/-1009.105 χ^2/NDF: 19.8/17

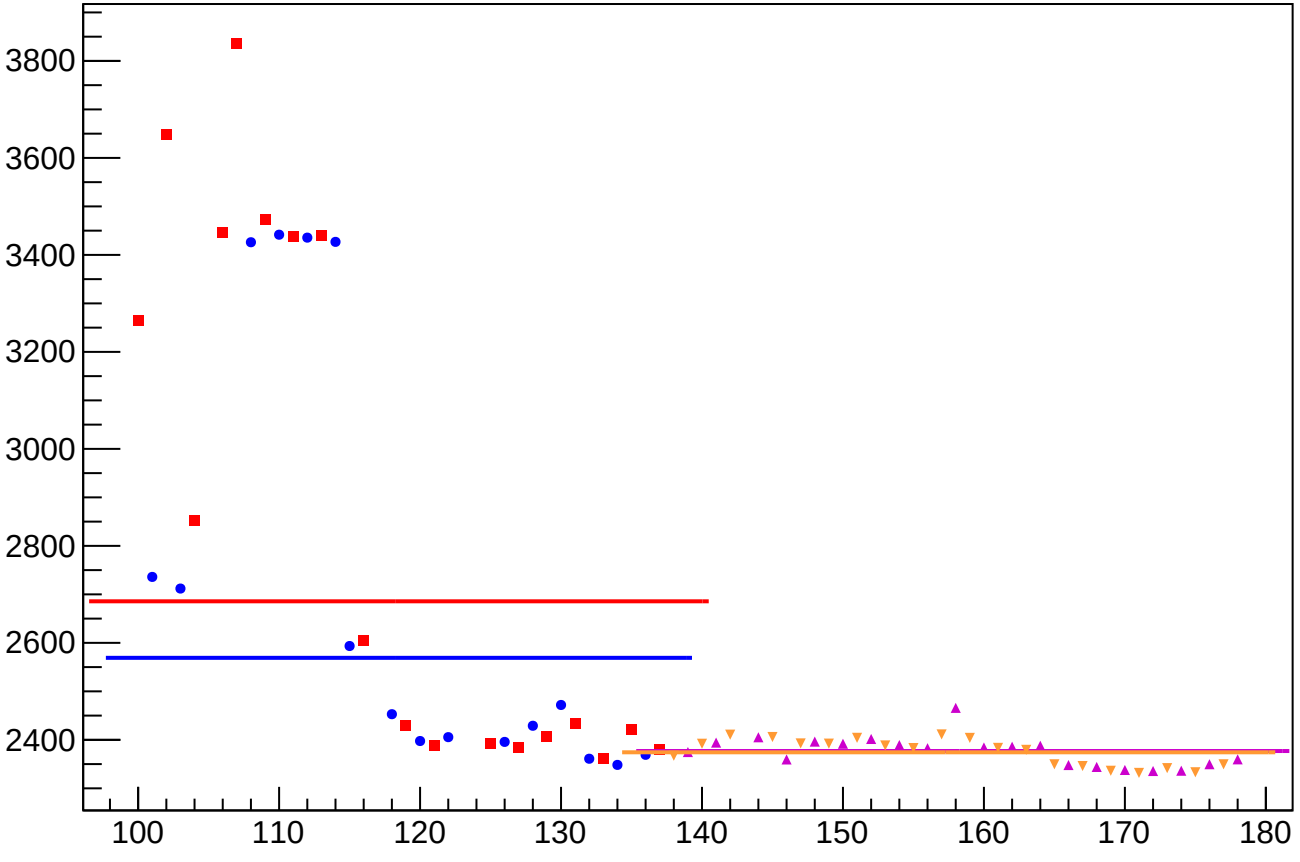
Left In: -1618.349+/-587.959 χ^2/NDF:22.0/19

+ sign 1488.119+/-506.824 χ^2/NDF: 30.4/35

All: -32.283+/-358.800 χ^2/NDF: 90.2/73

- sign -1559.853+/-508.017 χ^2/NDF: 41.8/37

eigen_dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2374.315+/-0.422 χ^2/NDF:4146.1/19

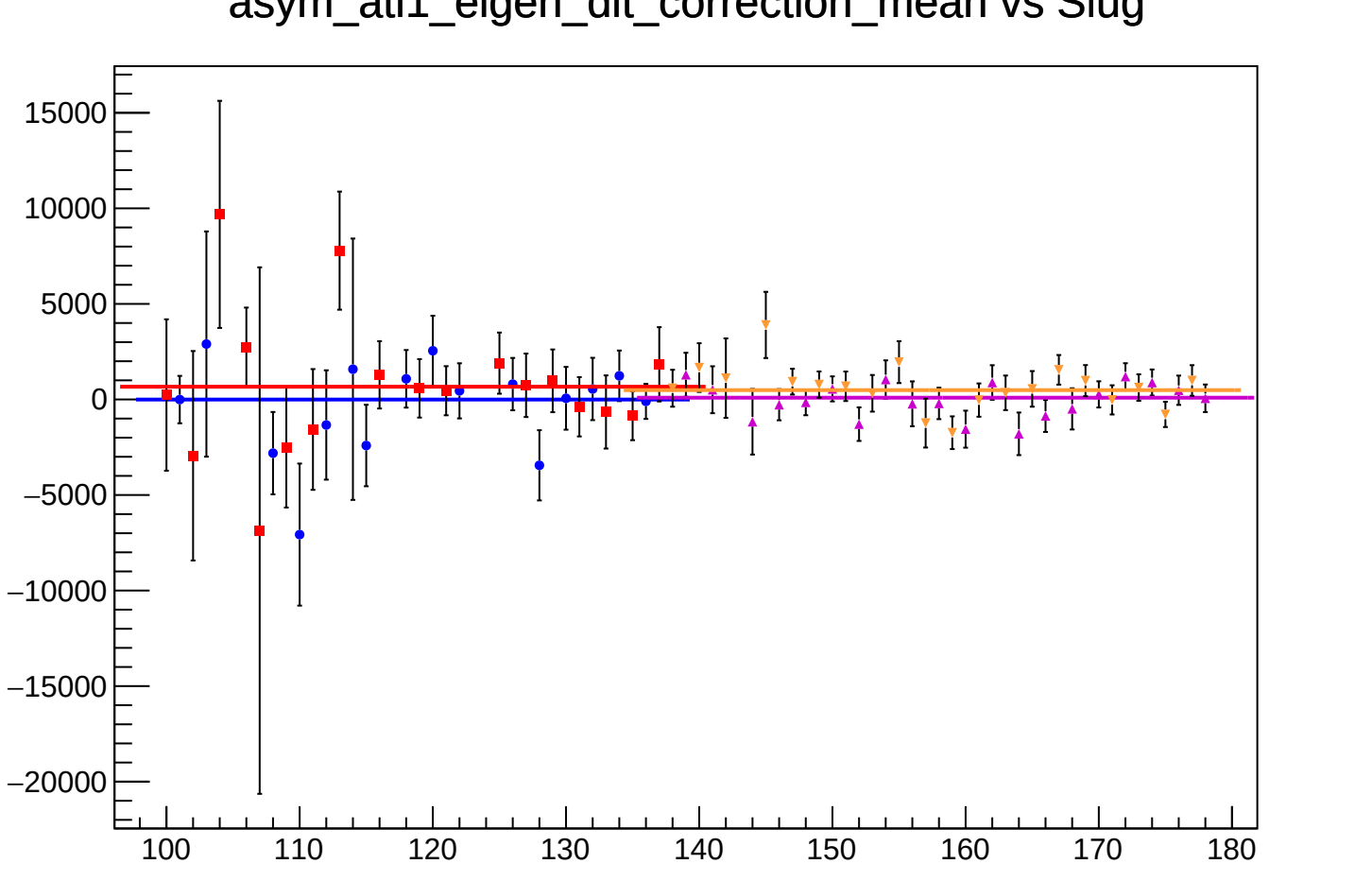
Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

Left In: 2376.938+/-0.416 χ^2/NDF:5474.3/19

+ sign 2428.352+/-0.358 χ^2/NDF: 292863.8/35

All: 2441.737+/-0.254 χ^2/NDF: 860162.4/73

- sign 2455.186+/-0.359 χ^2/NDF: 564502.0/37



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 487.842+/-193.791 χ^2/NDF:23.1/19

Right Out: 665.953+/-460.513 χ^2/NDF: 14.4/17

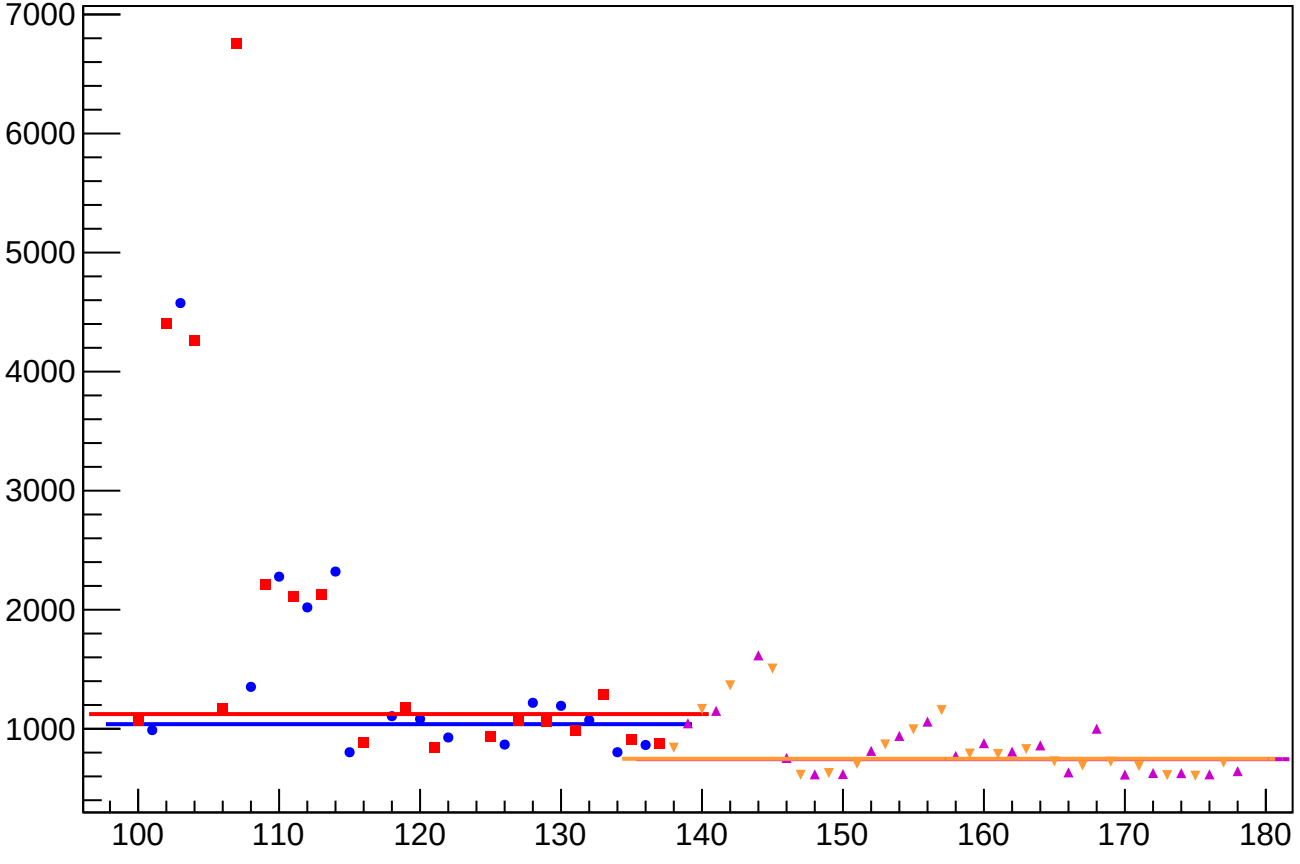
Left In: 91.230+/-190.380 χ^2/NDF:18.5/19

\+ sign 398.615+/-175.379 χ^2/NDF: 38.8/35

All: 287.221+/-124.209 χ^2/NDF: 73.8/73

\- sign 175.117+/-175.938 χ^2/NDF: 34.1/37

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 1038.804+/-0.292 χ^2/NDF: 1539724.8/15

Left Out: 748.256+/-0.137 χ^2/NDF:1500711.4/19

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

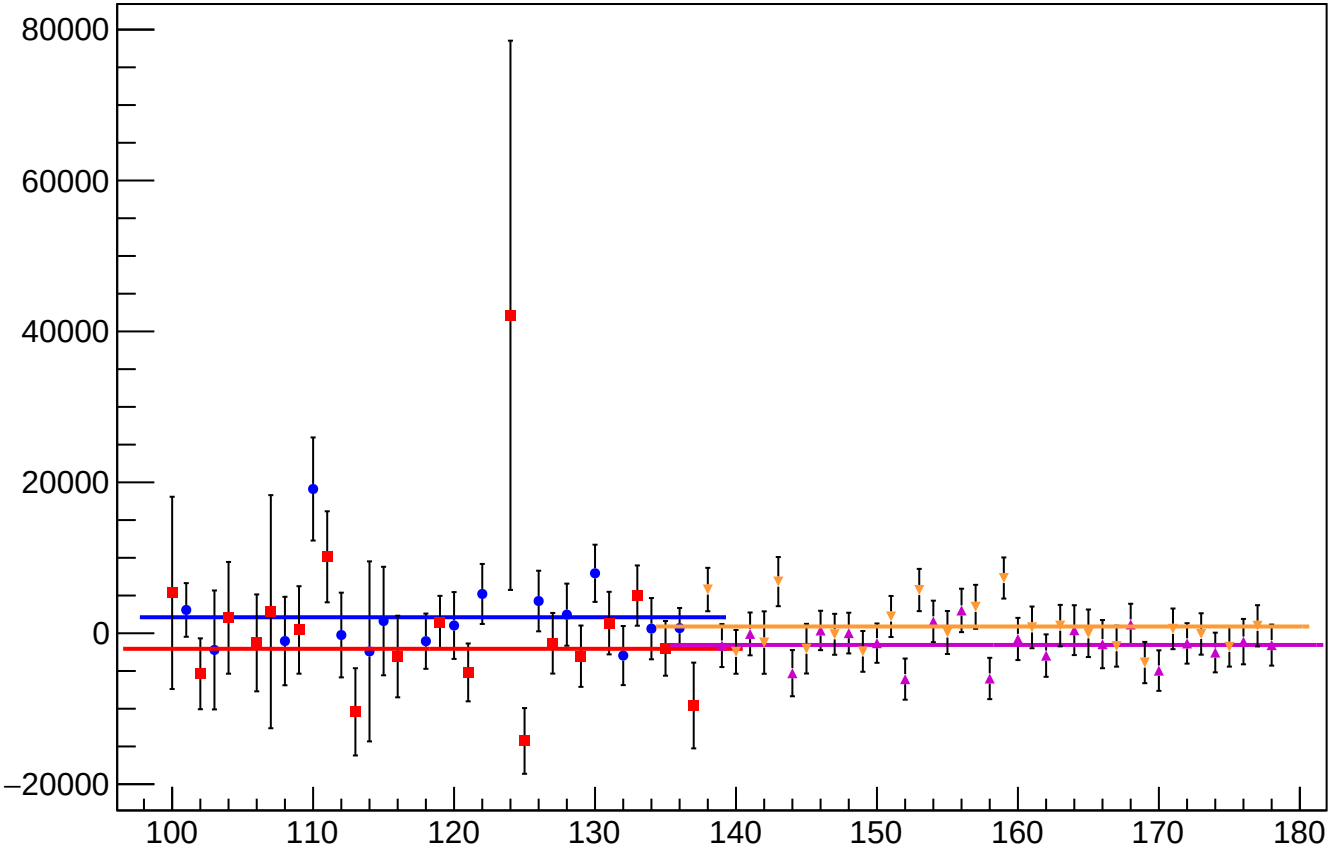
Left In: 744.764+/-0.135 χ^2/NDF:1746639.3/19

+ sign 800.841+/-0.124 χ^2/NDF: 3854089.9/35

All: 800.442+/-0.088 χ^2/NDF: 9291412.7/73

- sign 800.041+/-0.124 χ^2/NDF: 5437302.1/37

asym_atl1_mean vs Slug



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 897.287+/-622.796 χ^2/NDF:25.2/20

Right Out: -2059.741+/-1136.807 χ^2/NDF: 24.3/18

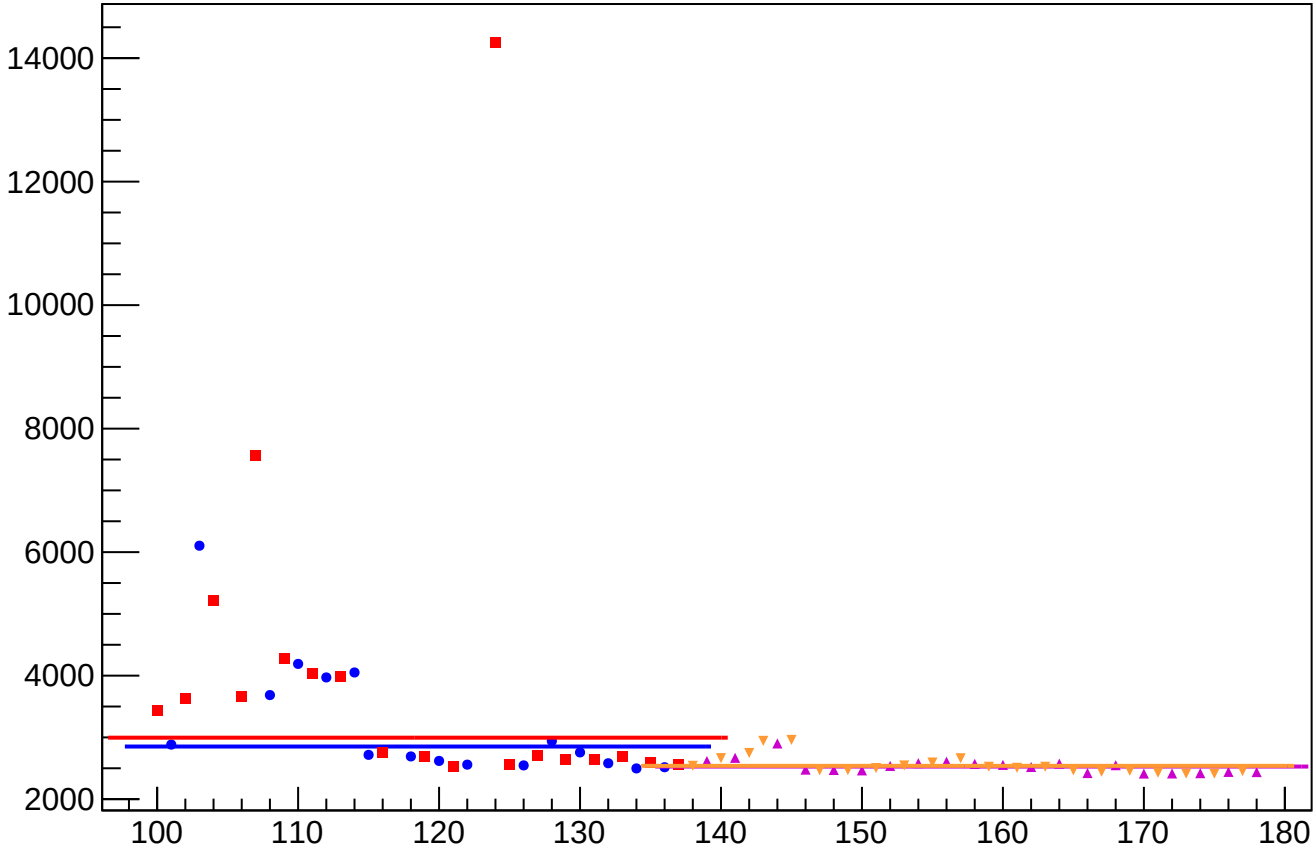
Left In: -1548.242+/-625.947 χ^2/NDF:15.3/19

+ sign 1200.929+/-540.101 χ^2/NDF: 39.5/36

All: -211.494+/-384.783 χ^2/NDF: 93.2/75

- sign -1667.241+/-548.322 χ^2/NDF: 39.8/38

asym_atl1_rms vs Slug



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2539.410+/-0.440 χ^2/NDF:99300.2/20

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

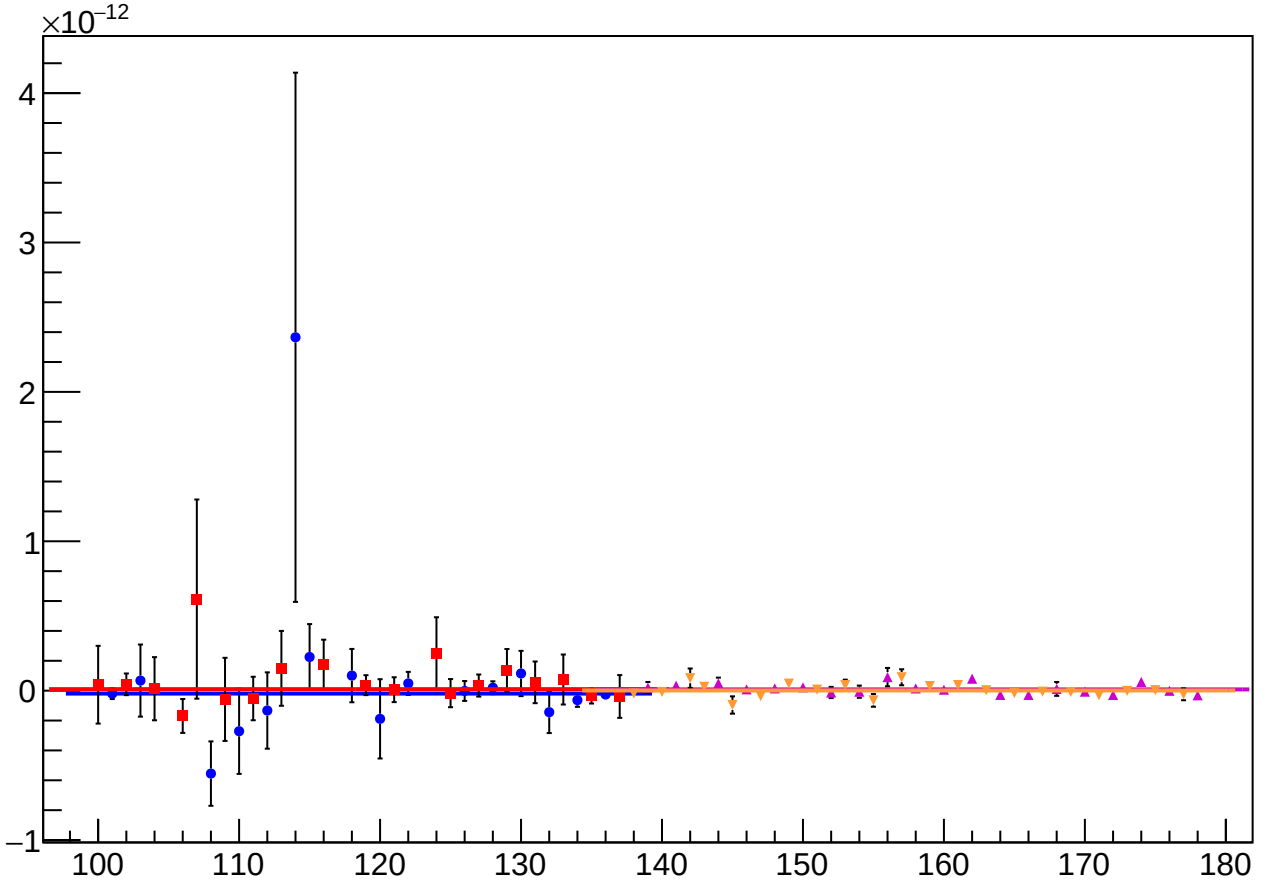
Left In: 2527.922+/-0.443 χ^2/NDF:59462.0/19

+ sign 2616.962+/-0.382 χ^2/NDF: 873096.0/36

All: 2626.686+/-0.272 χ^2/NDF: 2172704.1/75

- sign 2636.709+/-0.388 χ^2/NDF: 1298291.6/38

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:24.6/20

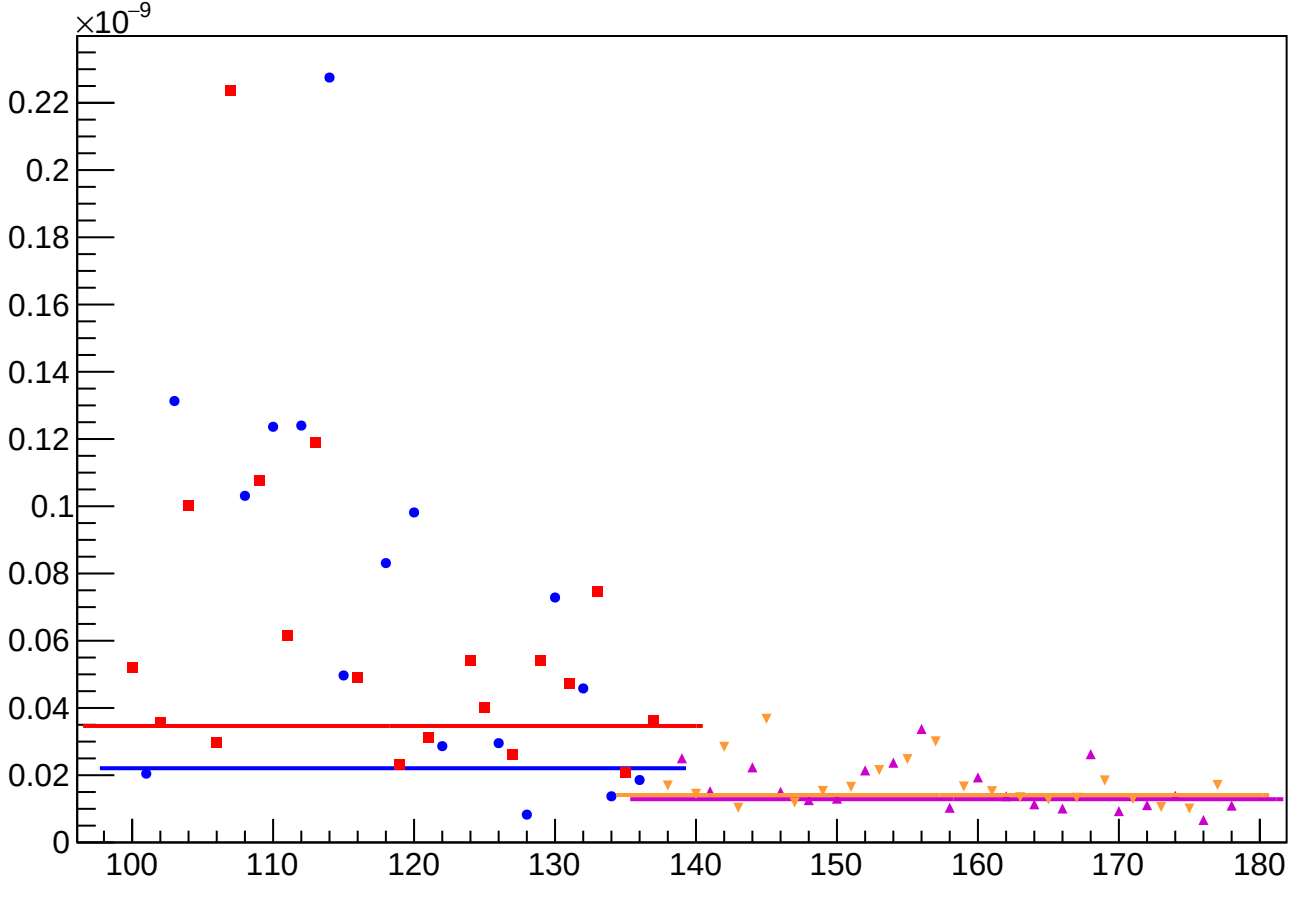
Right Out: 0.000+/-0.000 χ^2/NDF: 8.3/18

Left In: 0.000+/-0.000 χ^2/NDF:29.3/19

+ sign -0.000+/-0.000 χ^2/NDF: 41.3/36

All: 0.000+/-0.000 χ^2/NDF: 80.4/75

- sign 0.000+/-0.000 χ^2/NDF: 37.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 2344133.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1211063.6/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

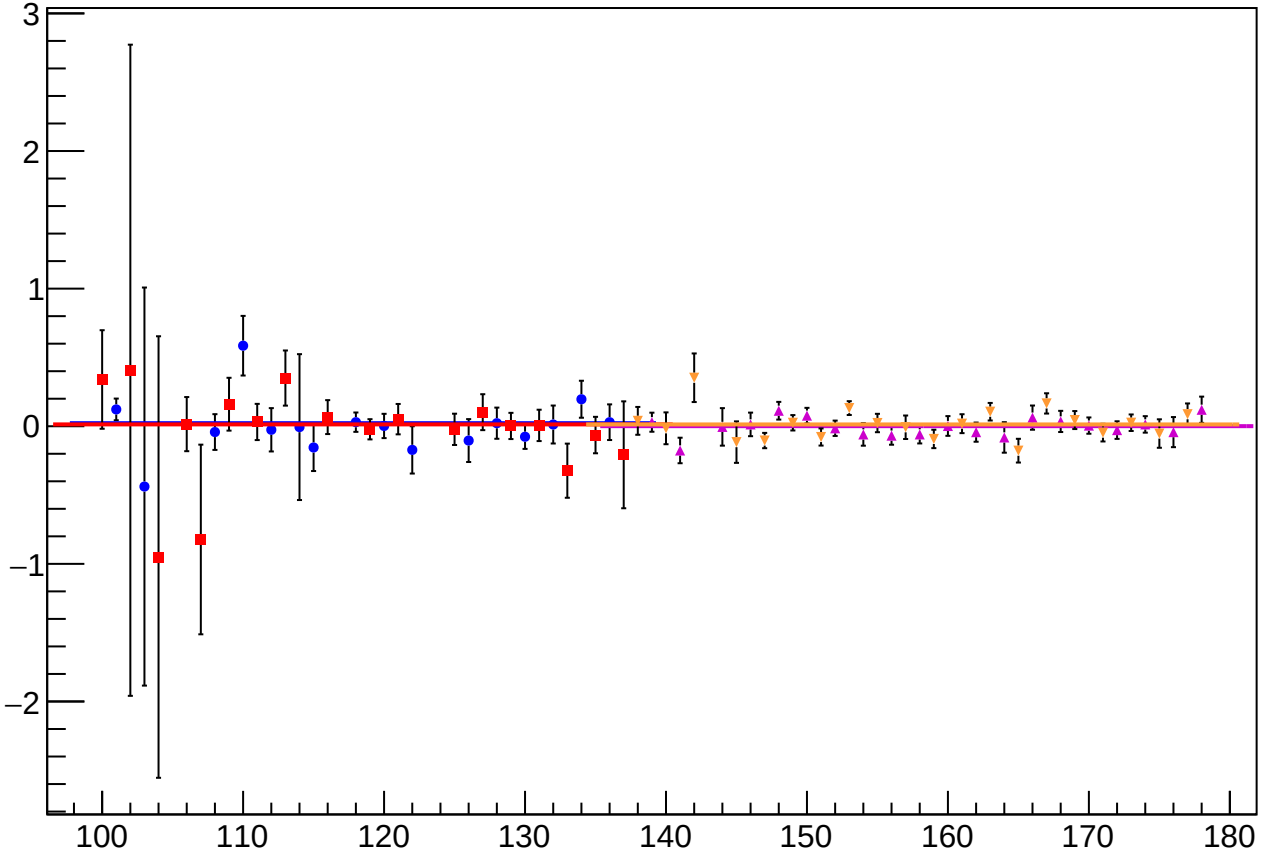
Left In: 0.000+/-0.000 χ^2/NDF:1549364.6/19

+ sign 0.000+/-0.000 χ^2/NDF: 3942775.6/36

All: 0.000+/-0.000 χ^2/NDF: 8269935.6/75

- sign 0.000+/-0.000 χ^2/NDF: 4299447.9/38

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.013+/-0.016 χ^2/NDF:33.1/19

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

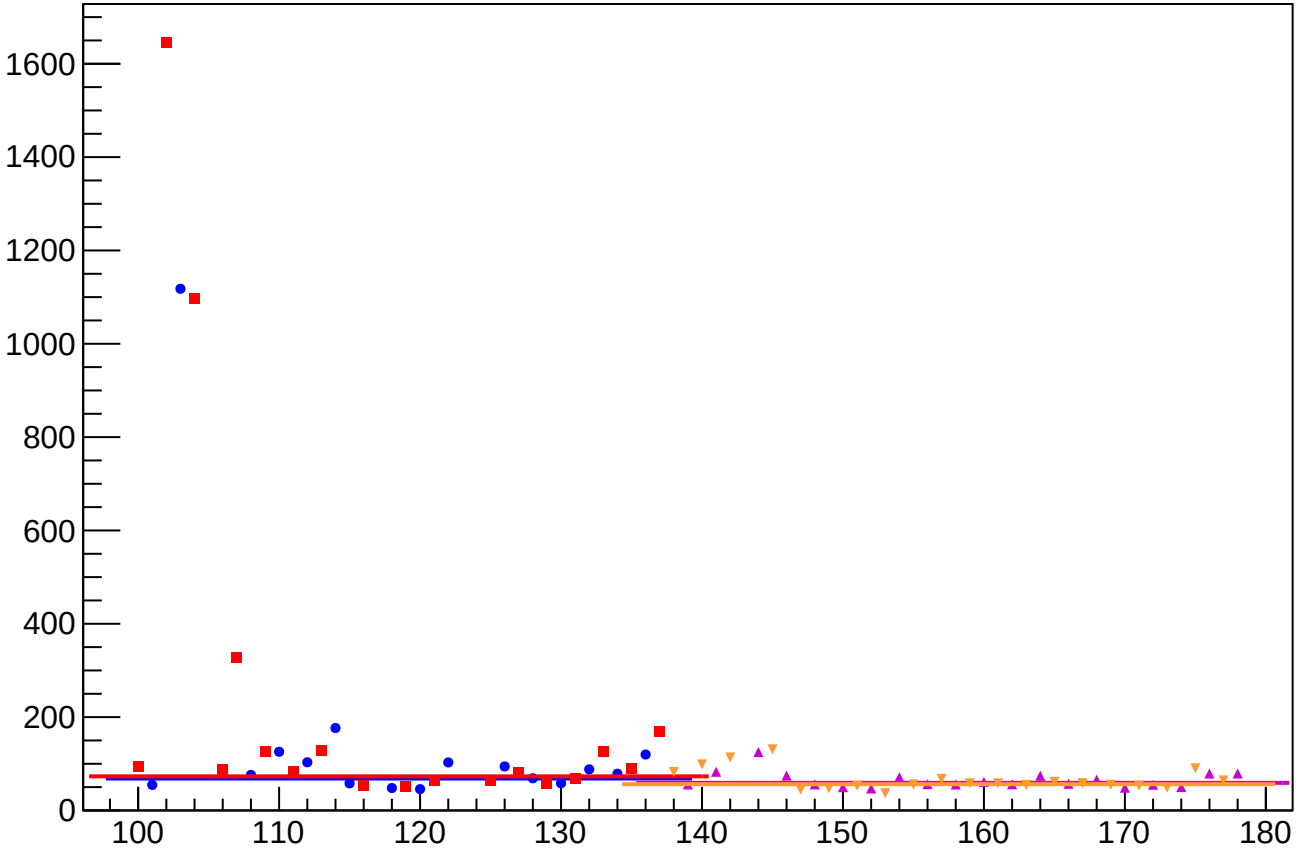
Left In: 0.001+/-0.016 χ^2/NDF:14.8/19

+ sign 0.015+/-0.014 χ^2/NDF: 48.0/35

All: 0.009+/-0.010 χ^2/NDF: 74.1/73

- sign 0.003+/-0.015 χ^2/NDF: 25.8/37

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 56.313+/-0.011 χ^2/NDF:1858344.8/19

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

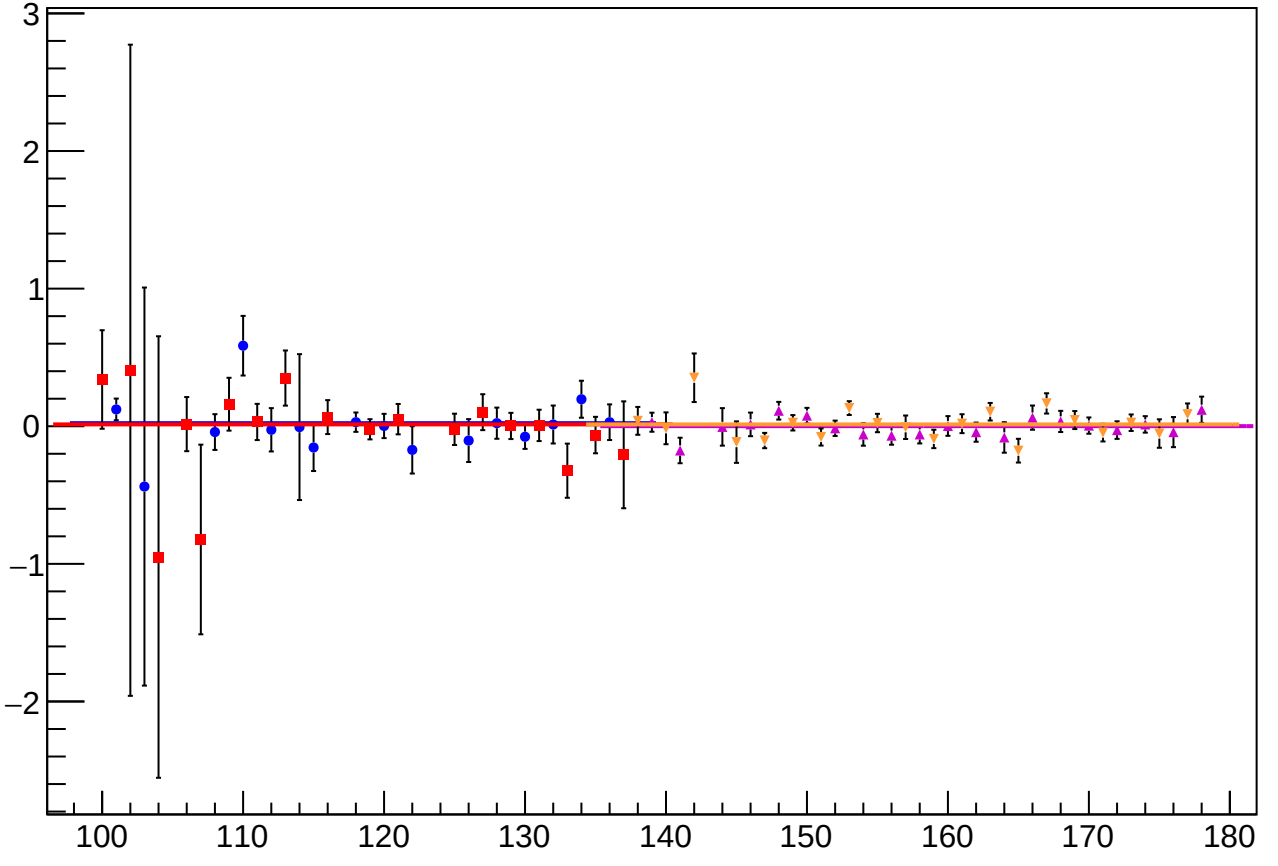
Left In: 59.154+/-0.011 χ^2/NDF:1209214.2/19

+ sign 58.968+/-0.010 χ^2/NDF: 4388648.9/35

All: 60.339+/-0.007 χ^2/NDF: 8829816.7/73

- sign 61.809+/-0.010 χ^2/NDF: 4402080.0/37

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.013+/-0.016 χ^2/NDF:33.1/19

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

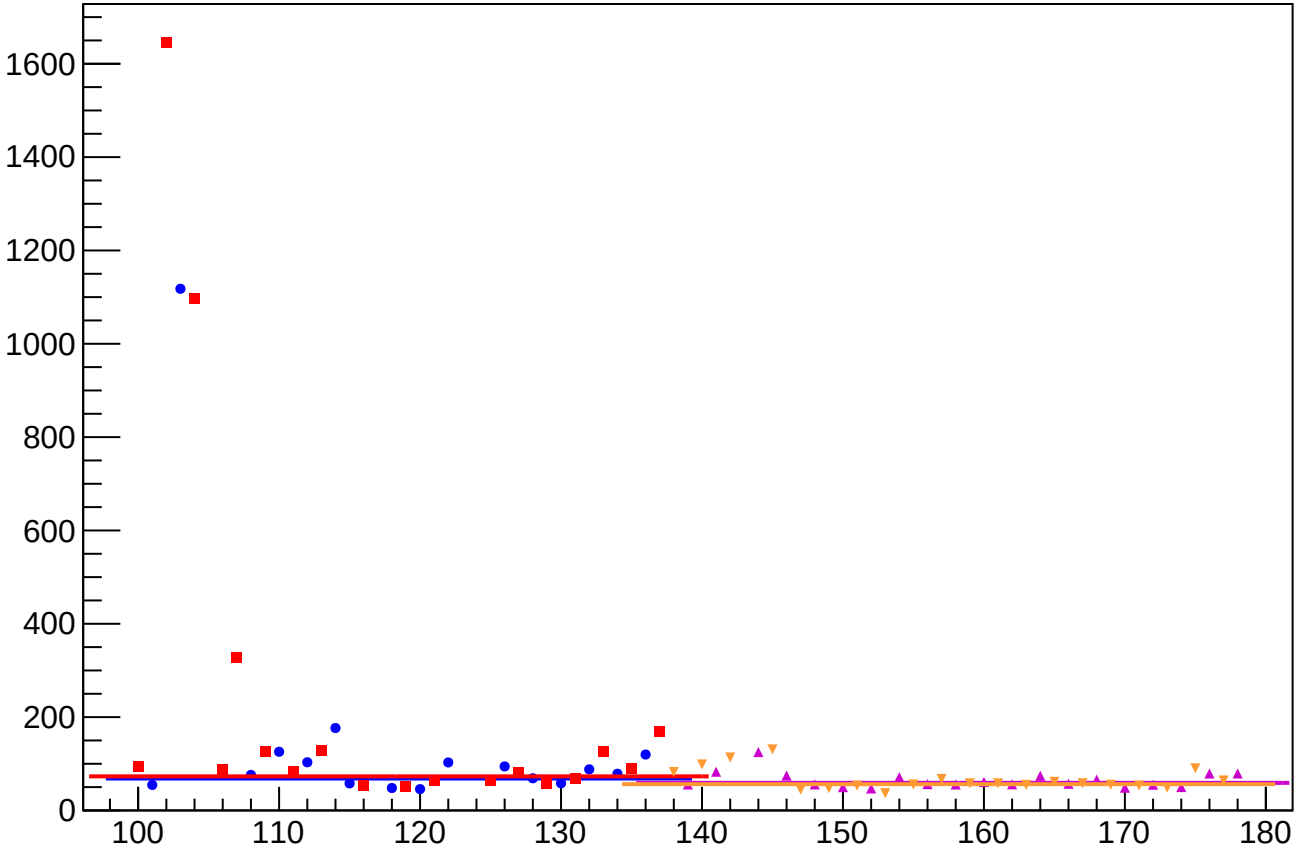
Left In: 0.001+/-0.016 χ^2/NDF:14.8/19

+ sign 0.015+/-0.014 χ^2/NDF: 48.0/35

All: 0.009+/-0.010 χ^2/NDF: 74.1/73

- sign 0.003+/-0.015 χ^2/NDF: 25.8/37

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 56.313+/-0.011 χ^2/NDF:1858344.8/19

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

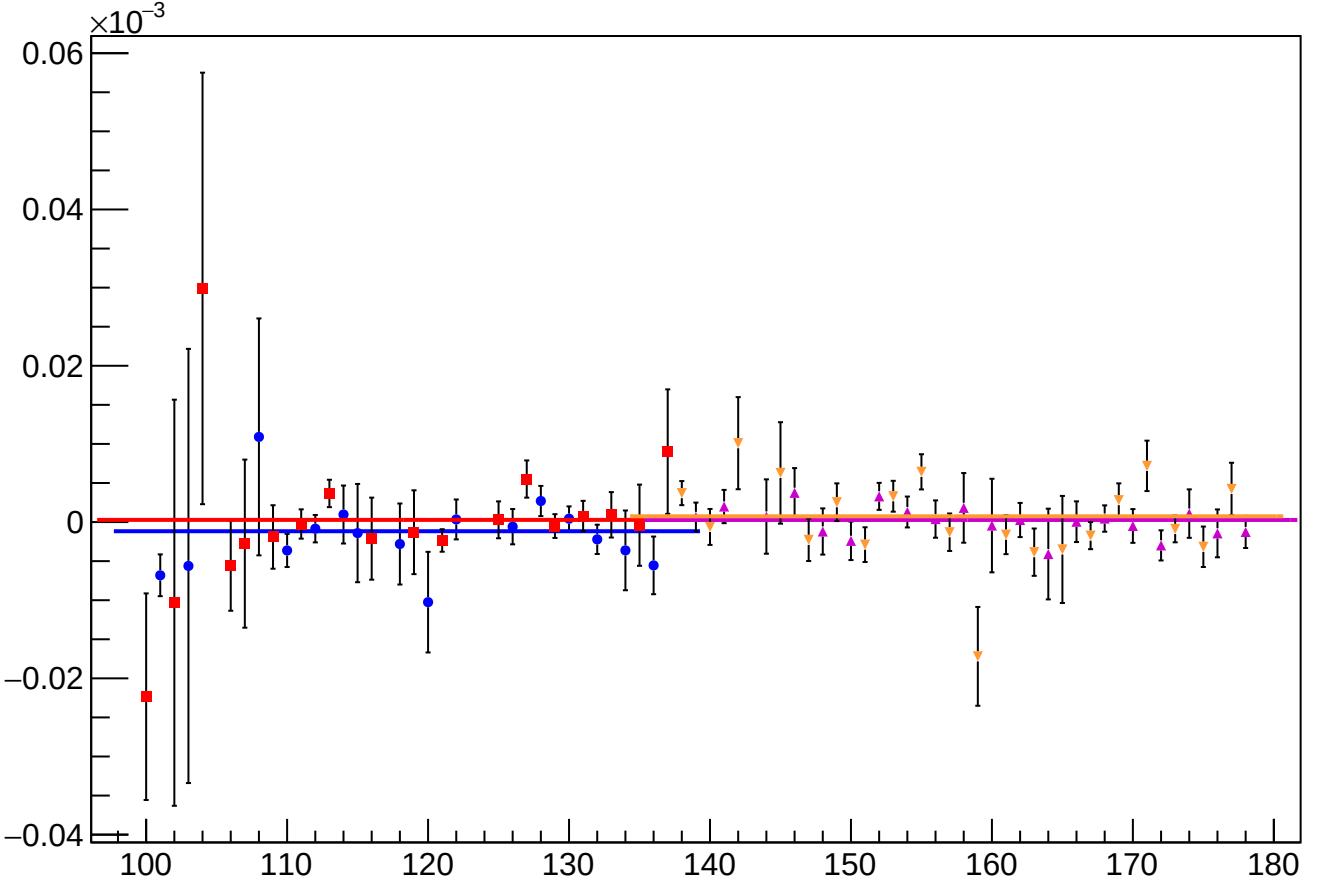
Left In: 59.154+/-0.011 χ^2/NDF:1209214.2/19

+ sign 58.968+/-0.010 χ^2/NDF: 4388648.9/35

All: 60.339+/-0.007 χ^2/NDF: 8829816.7/73

- sign 61.809+/-0.010 χ^2/NDF: 4402080.0/37

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:43.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

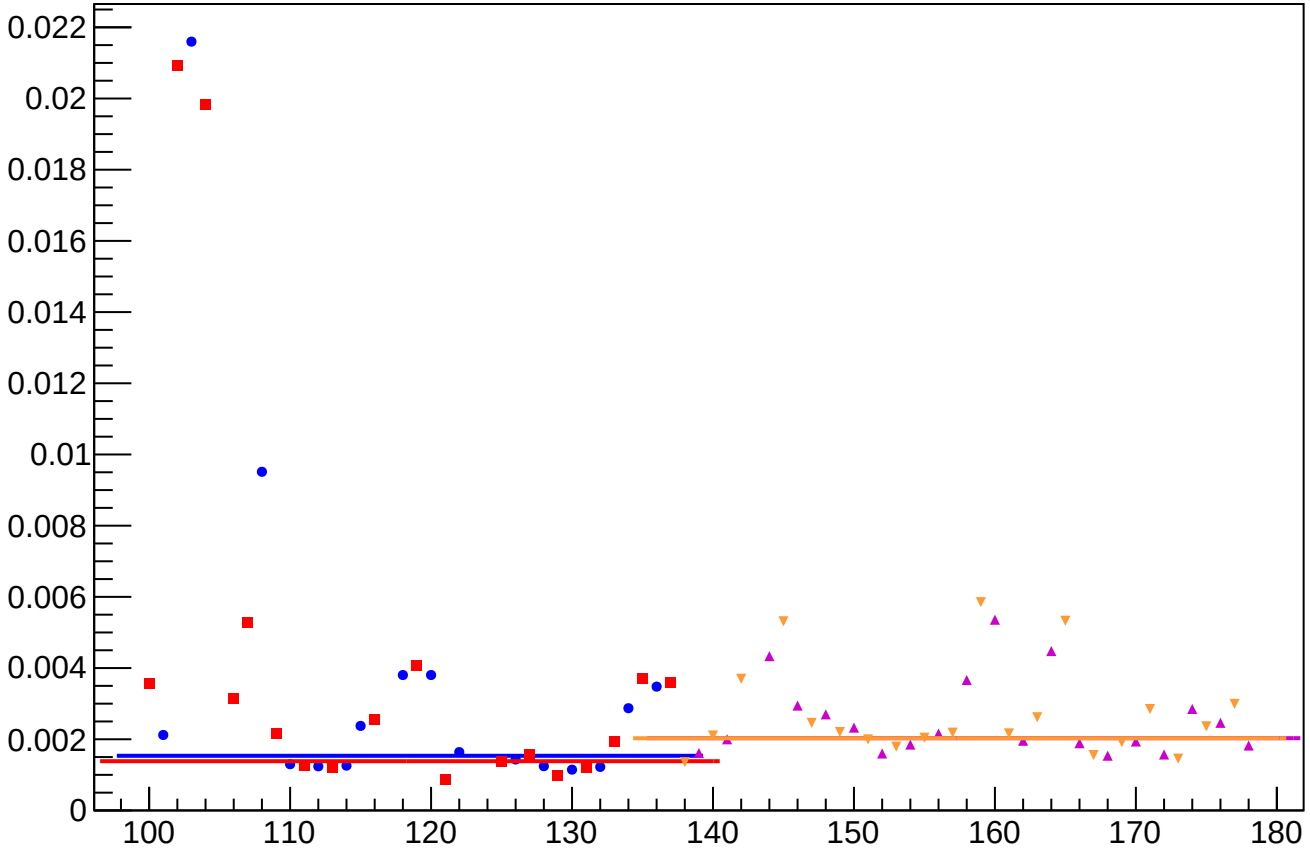
Left In: 0.000+/-0.000 χ^2/NDF:11.3/19

+ sign -0.000+/-0.000 χ^2/NDF: 64.6/35

All: 0.000+/-0.000 χ^2/NDF: 95.7/73

- sign 0.000+/-0.000 χ^2/NDF: 30.8/37

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:3136718.1/19

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

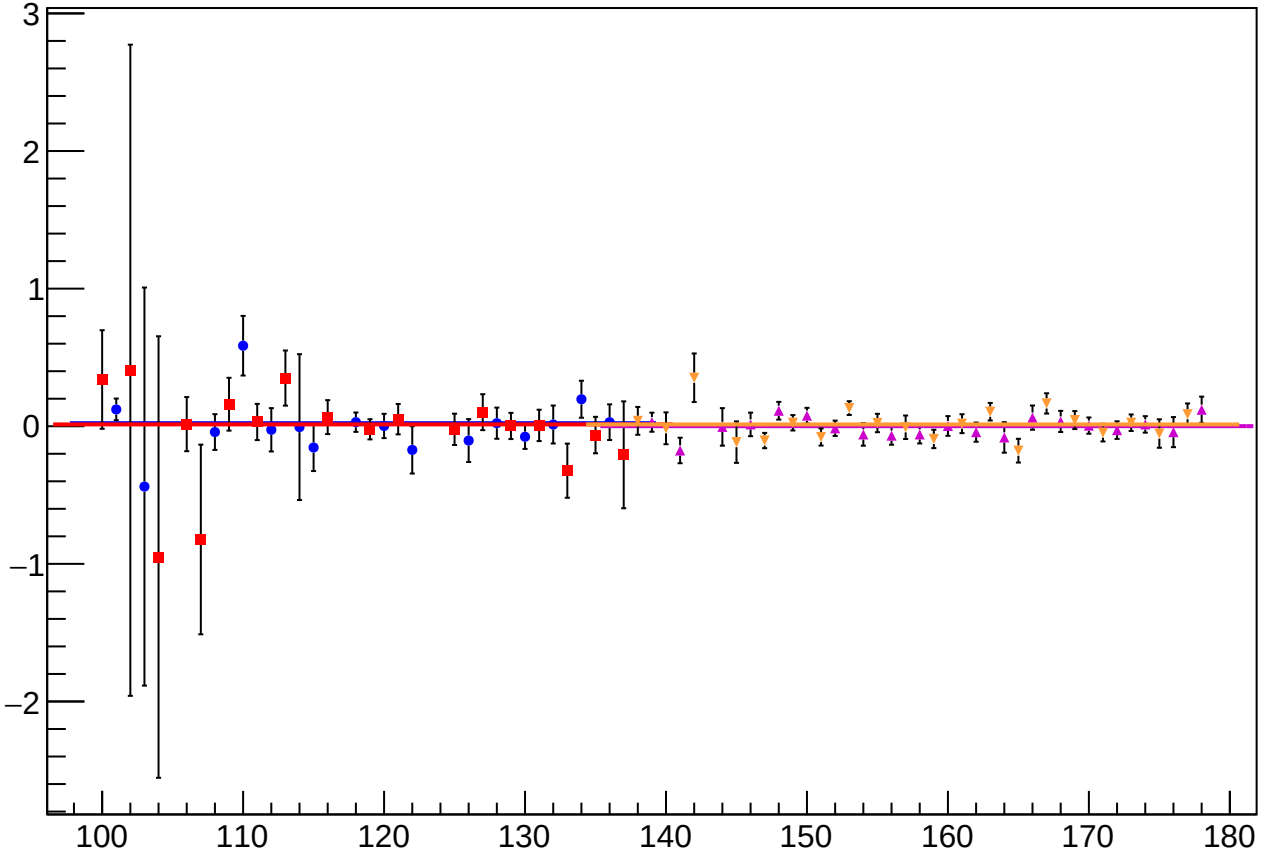
Left In: 0.002+/-0.000 χ^2/NDF:2755384.5/19

+ sign 0.002+/-0.000 χ^2/NDF: 7166722.2/35

All: 0.002+/-0.000 χ^2/NDF: 15431287.0/73

- sign 0.002+/-0.000 χ^2/NDF: 8236105.3/37

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.013+/-0.016 χ^2/NDF:33.1/19

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

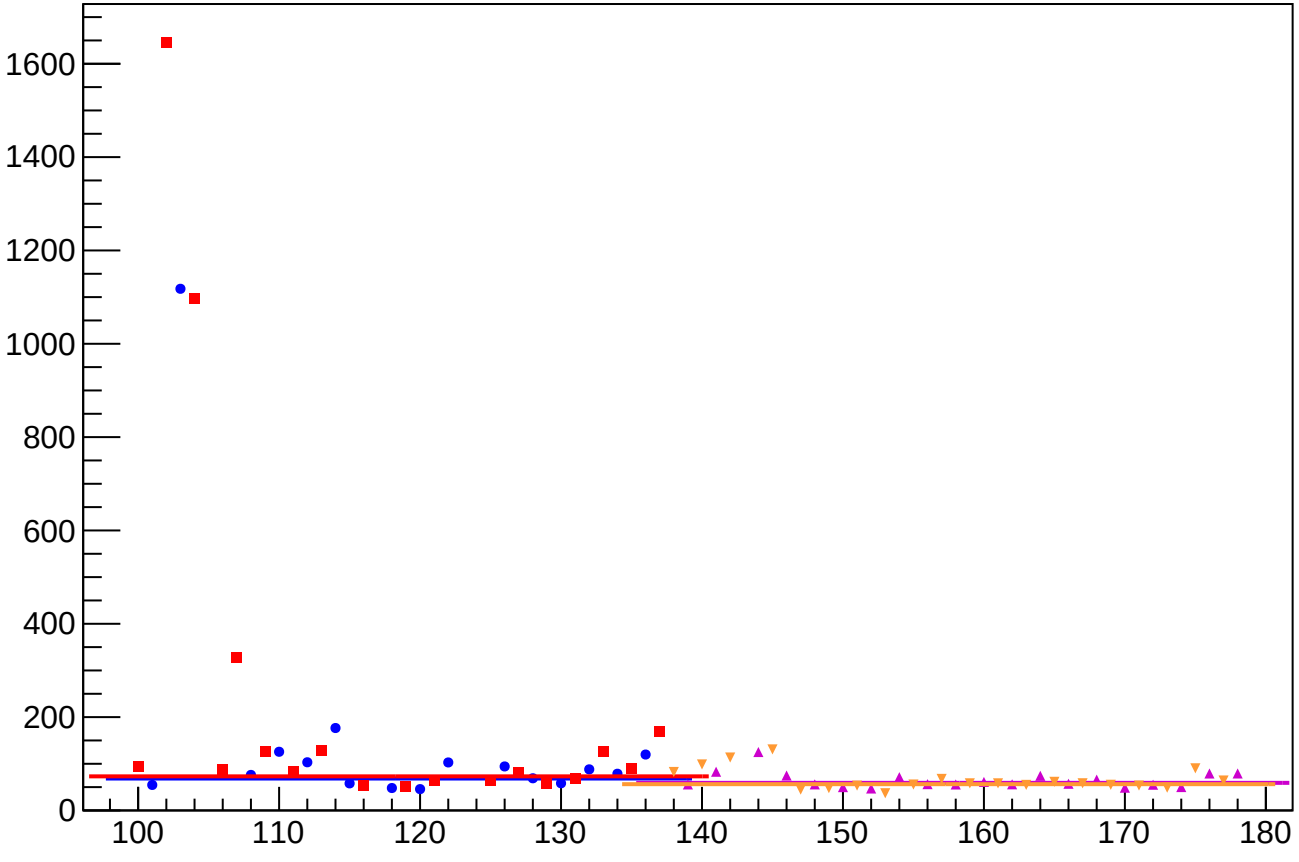
Left In: 0.001+/-0.016 χ^2/NDF:14.8/19

+ sign 0.015+/-0.014 χ^2/NDF: 48.0/35

All: 0.009+/-0.010 χ^2/NDF: 74.1/73

- sign 0.003+/-0.015 χ^2/NDF: 25.8/37

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 56.313+/-0.011 χ^2/NDF:1858419.5/19

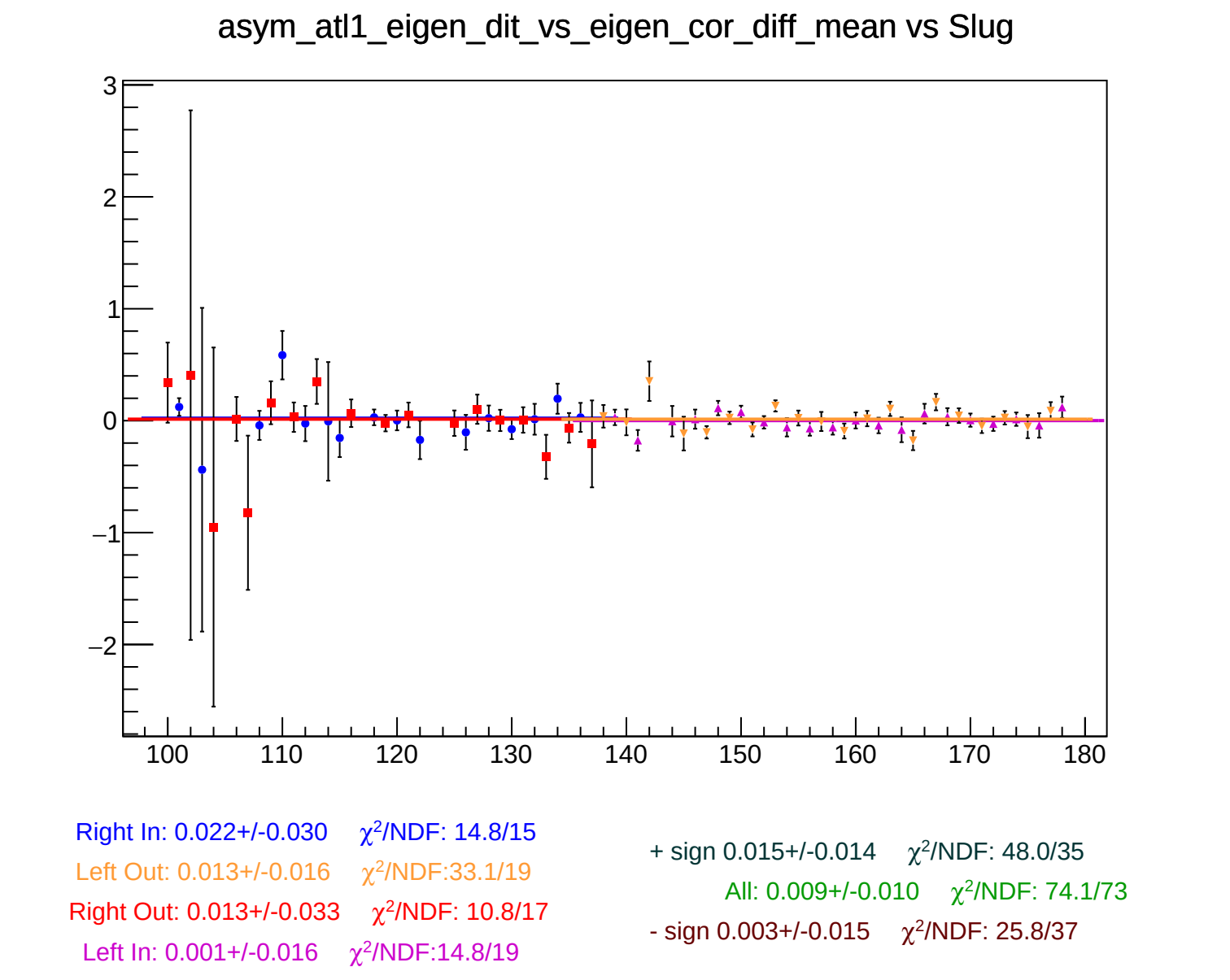
Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 59.155+/-0.011 χ^2/NDF:1209191.4/19

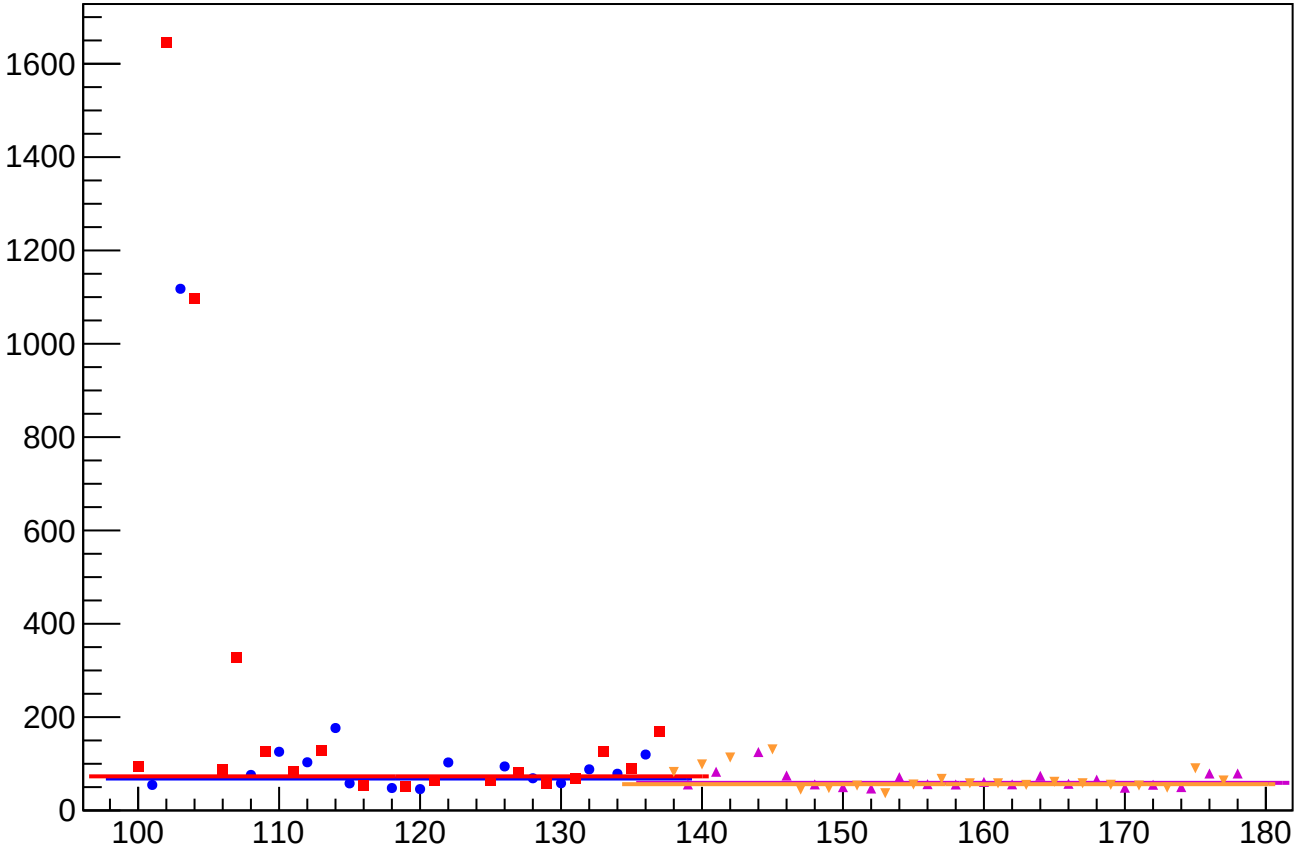
+ sign 58.968+/-0.010 χ^2/NDF: 4388770.0/35

All: 60.339+/-0.007 χ^2/NDF: 8829908.2/73

- sign 61.810+/-0.010 χ^2/NDF: 4402043.8/37


asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
Right In: 0.022+/-0.030 χ²/NDF: 14.8/15
Left Out: 0.013+/-0.016 χ²/NDF:33.1/19
Right Out: 0.013+/-0.033 χ²/NDF: 10.8/17
Left In: 0.001+/-0.016 χ²/NDF:14.8/19
+ sign 0.015+/-0.014 χ²/NDF: 48.0/35
All: 0.009+/-0.010 χ²/NDF: 74.1/73
- sign 0.003+/-0.015 χ²/NDF: 25.8/37

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 56.313+/-0.011 χ^2/NDF:1858419.5/19

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

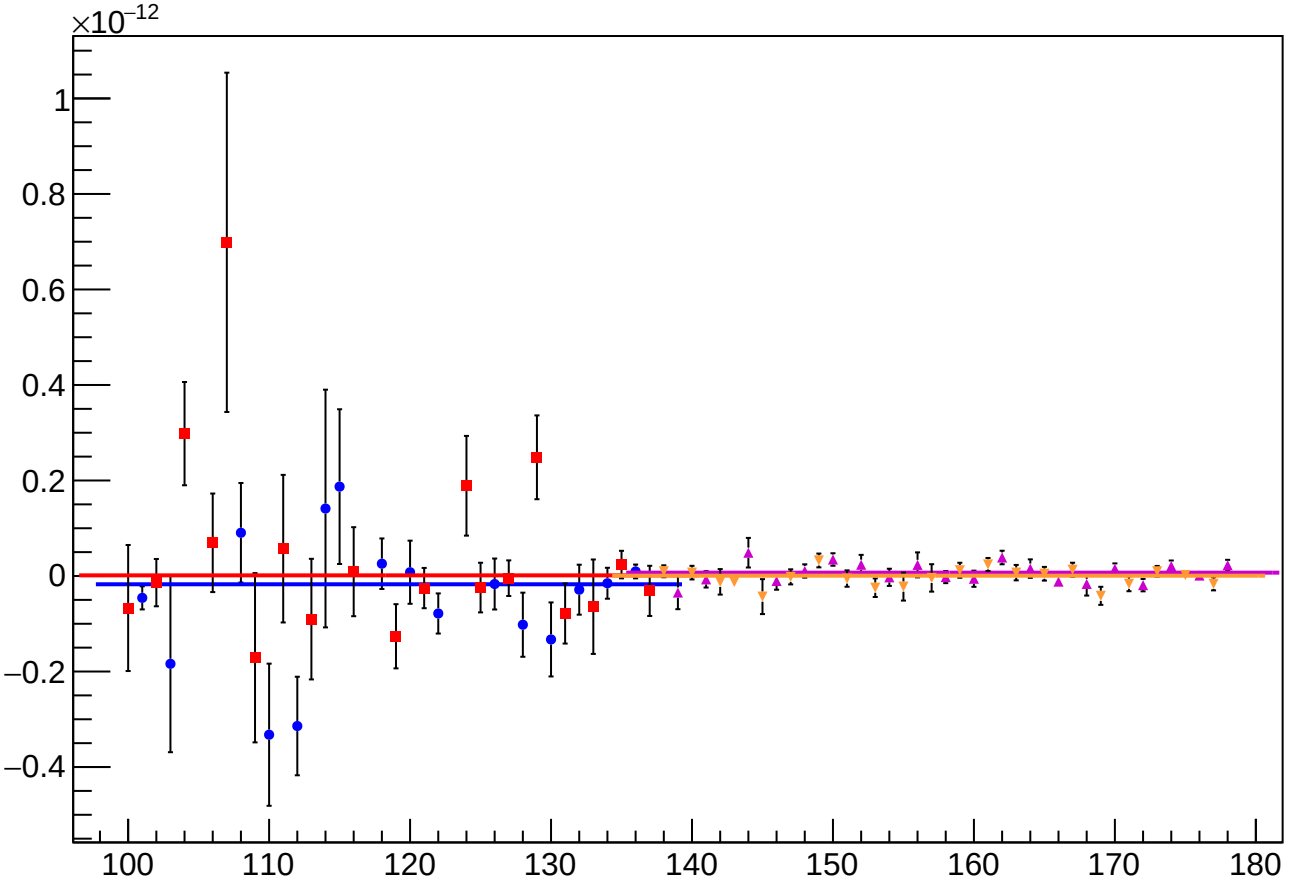
Left In: 59.155+/-0.011 χ^2/NDF:1209191.4/19

+ sign 58.968+/-0.010 χ^2/NDF: 4388770.0/35

All: 60.339+/-0.007 χ^2/NDF: 8829908.2/73

- sign 61.810+/-0.010 χ^2/NDF: 4402043.8/37

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:24.6/20

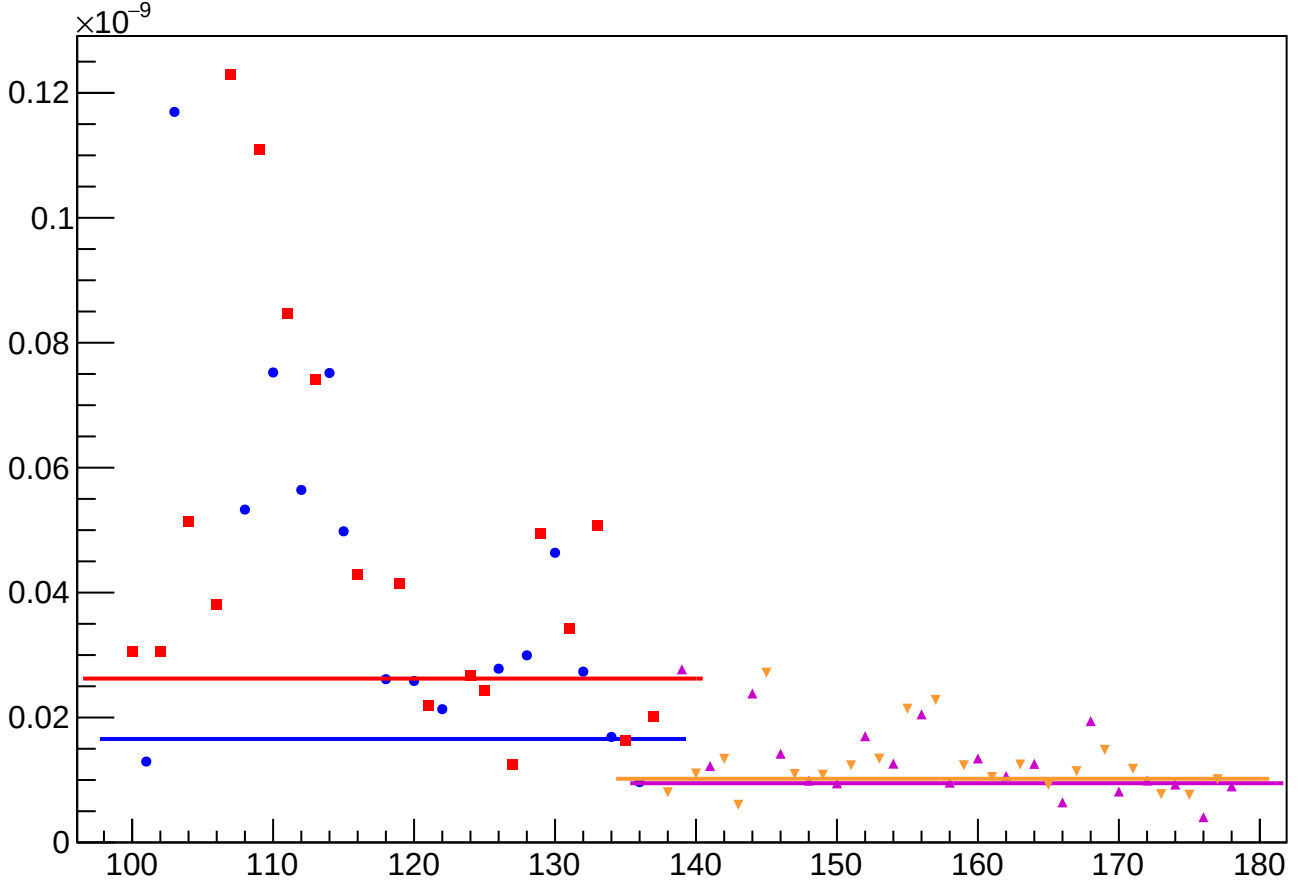
Right Out: 0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: 0.000+/-0.000 χ^2/NDF:29.8/19

+ sign -0.000+/-0.000 χ^2/NDF: 55.8/36

All: 0.000+/-0.000 χ^2/NDF: 121.3/75

- sign 0.000+/-0.000 χ^2/NDF: 62.2/38



Right In: 0.000+/-0.000 χ^2/NDF: 2823424.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2187110.3/20

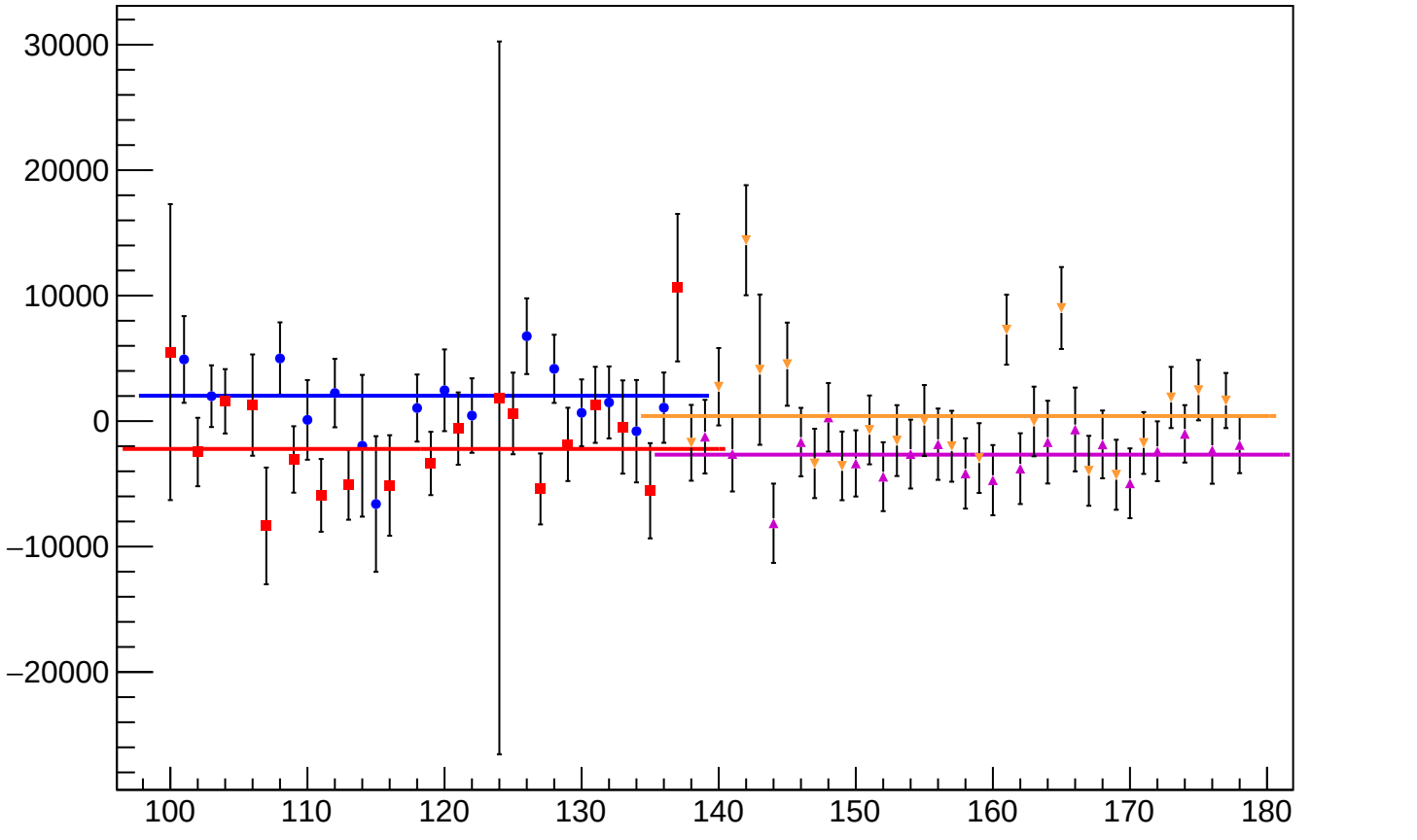
Right Out: 0.000+/-0.000 χ^2/NDF: 2346394.7/18

Left In: 0.000+/-0.000 χ^2/NDF:3669734.6/19

+ sign 0.000+/-0.000 χ^2/NDF: 5747596.9/36

All: 0.000+/-0.000 χ^2/NDF: 14430728.5/75

- sign 0.000+/-0.000 χ^2/NDF: 8651344.5/38



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 406.387+/-618.901 χ^2/NDF:40.5/20

Right Out: -2217.261+/-756.139 χ^2/NDF: 18.1/18

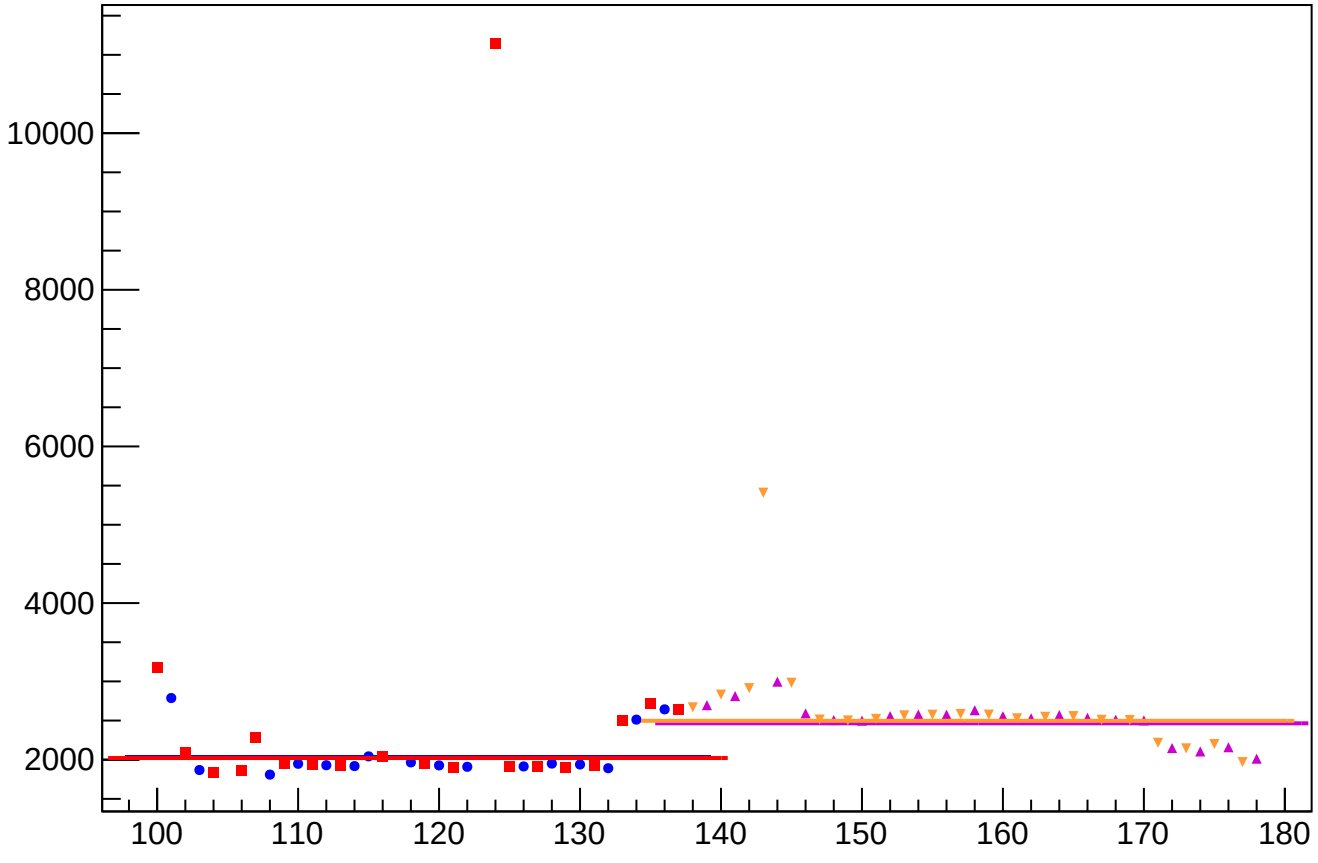
Left In: -2673.606+/-612.816 χ^2/NDF:8.0/19

+ sign 1046.436+/-480.996 χ^2/NDF: 52.9/36

All: -741.264+/-338.368 χ^2/NDF: 106.5/75

- sign -2492.693+/-476.092 χ^2/NDF: 26.3/38

reg_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 2496.899+/-0.438 χ^2/NDF:785807.2/20

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

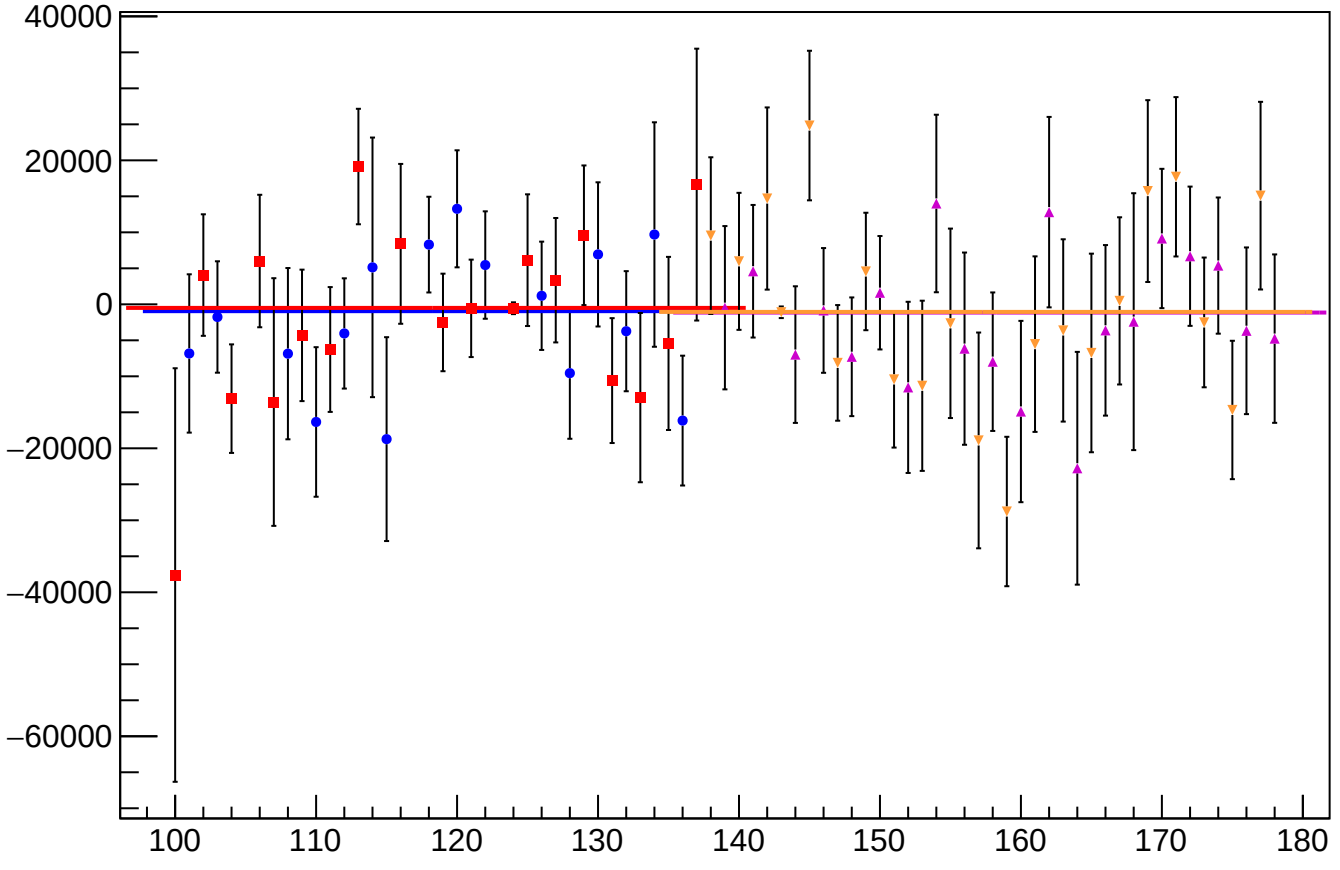
Left In: 2464.745+/-0.433 χ^2/NDF:315461.0/19

+ sign 2313.656+/-0.340 χ^2/NDF: 1491511.8/36

All: 2301.223+/-0.239 χ^2/NDF: 2614652.1/75

- sign 2289.043+/-0.337 χ^2/NDF: 1120494.9/38

asym_atl2_reg_correction_mean vs Slug



Right In: -950.519+/-2278.532 χ^2/NDF: 15.3/15

Left Out: -1051.925+/-765.302 χ^2/NDF:29.4/20

Right Out: -497.346+/-768.286 χ^2/NDF: 18.5/18

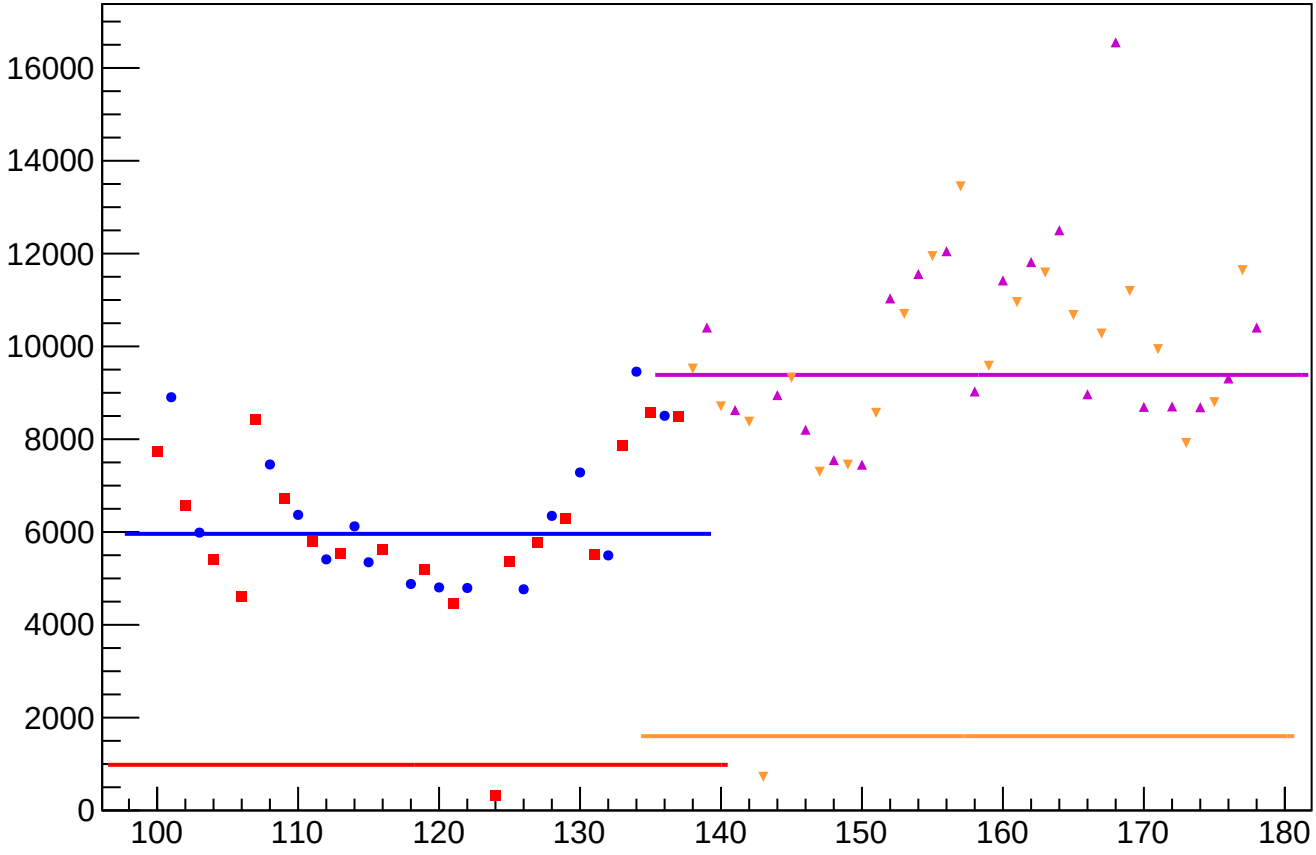
Left In: -1144.148+/-2368.007 χ^2/NDF:10.9/19

+ sign -1041.645+/-725.474 χ^2/NDF: 44.7/36

All: -802.056+/-514.855 χ^2/NDF: 74.4/75

- sign -558.947+/-730.786 χ^2/NDF: 29.4/38

asym_atl2_reg_correction_rms vs Slug



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 1601.373+/-0.541 χ^2/NDF:24167154.8/20

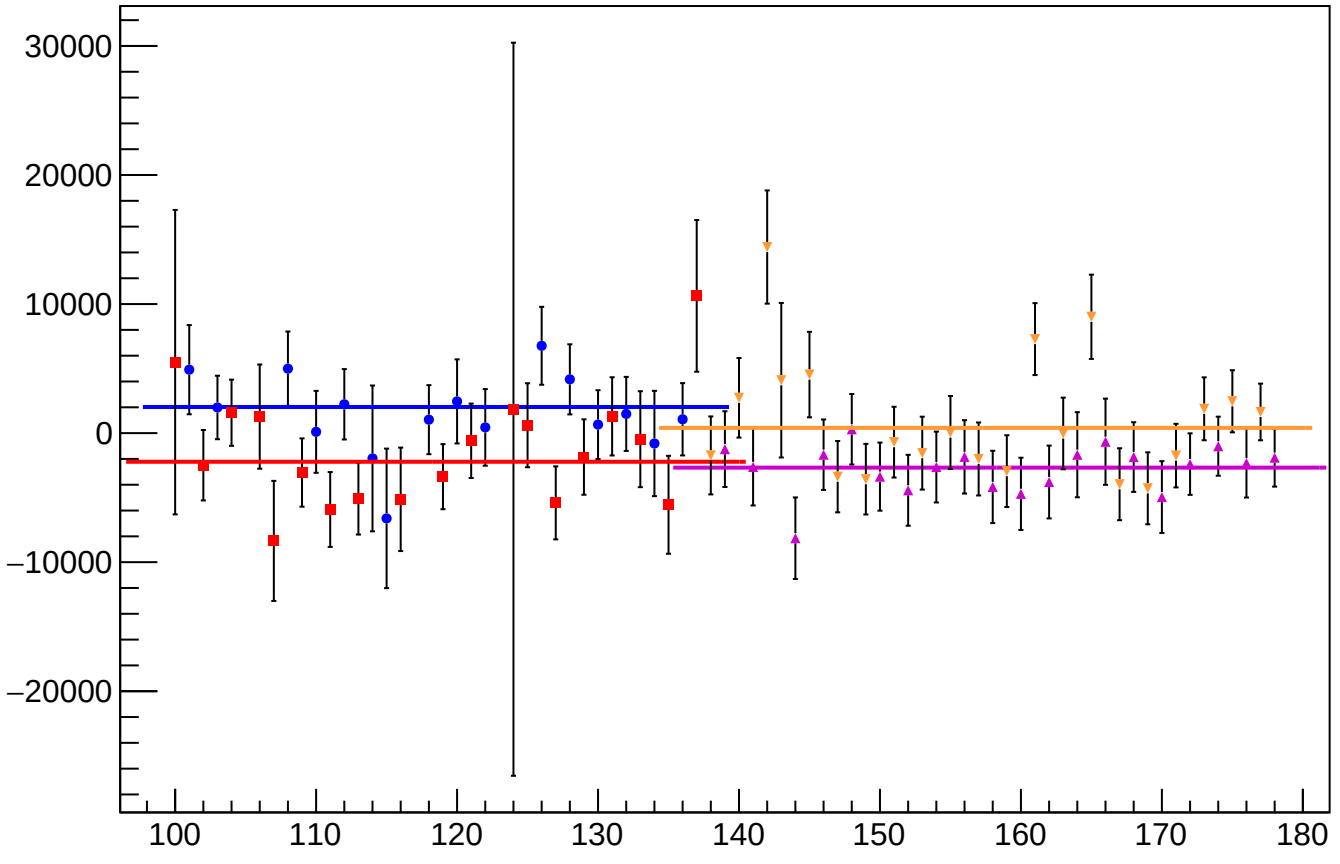
Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

Left In: 9386.245+/-1.674 χ^2/NDF:1039514.7/19

+ sign 2043.313+/-0.513 χ^2/NDF: 31435382.4/36

All: 1914.405+/-0.364 χ^2/NDF: 66804349.5/7

- sign 1783.602+/-0.517 χ^2/NDF: 35241747.1/38



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 406.334+/-618.901 χ^2/NDF:40.5/20

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

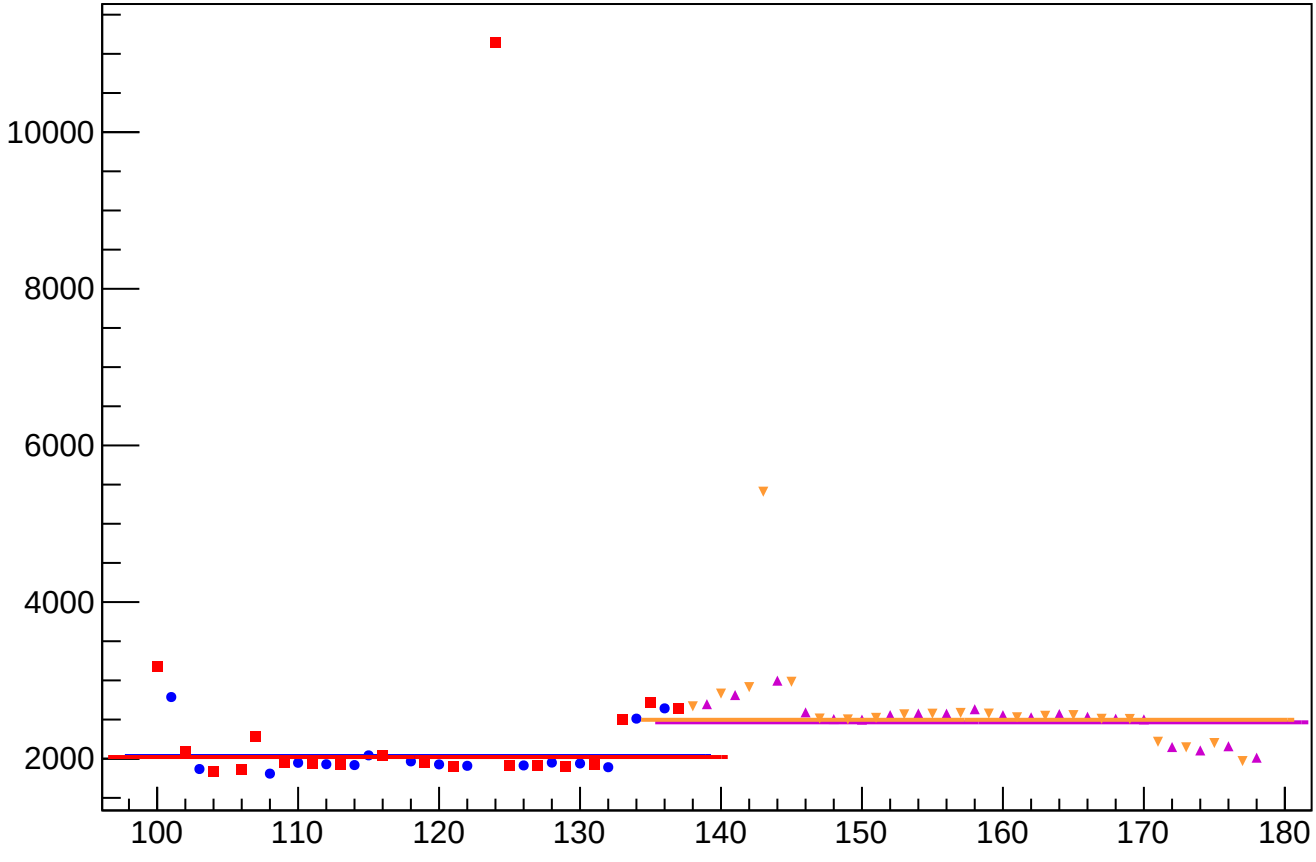
Left In: -2673.562+/-612.816 χ^2/NDF:8.0/19

+ sign 1046.454+/-480.996 χ^2/NDF: 52.9/36

All: -741.603+/-338.369 χ^2/NDF: 106.5/75

- sign -2493.397+/-476.093 χ^2/NDF: 26.3/38

cor_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2496.899+/-0.438 χ^2/NDF:785807.2/20

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

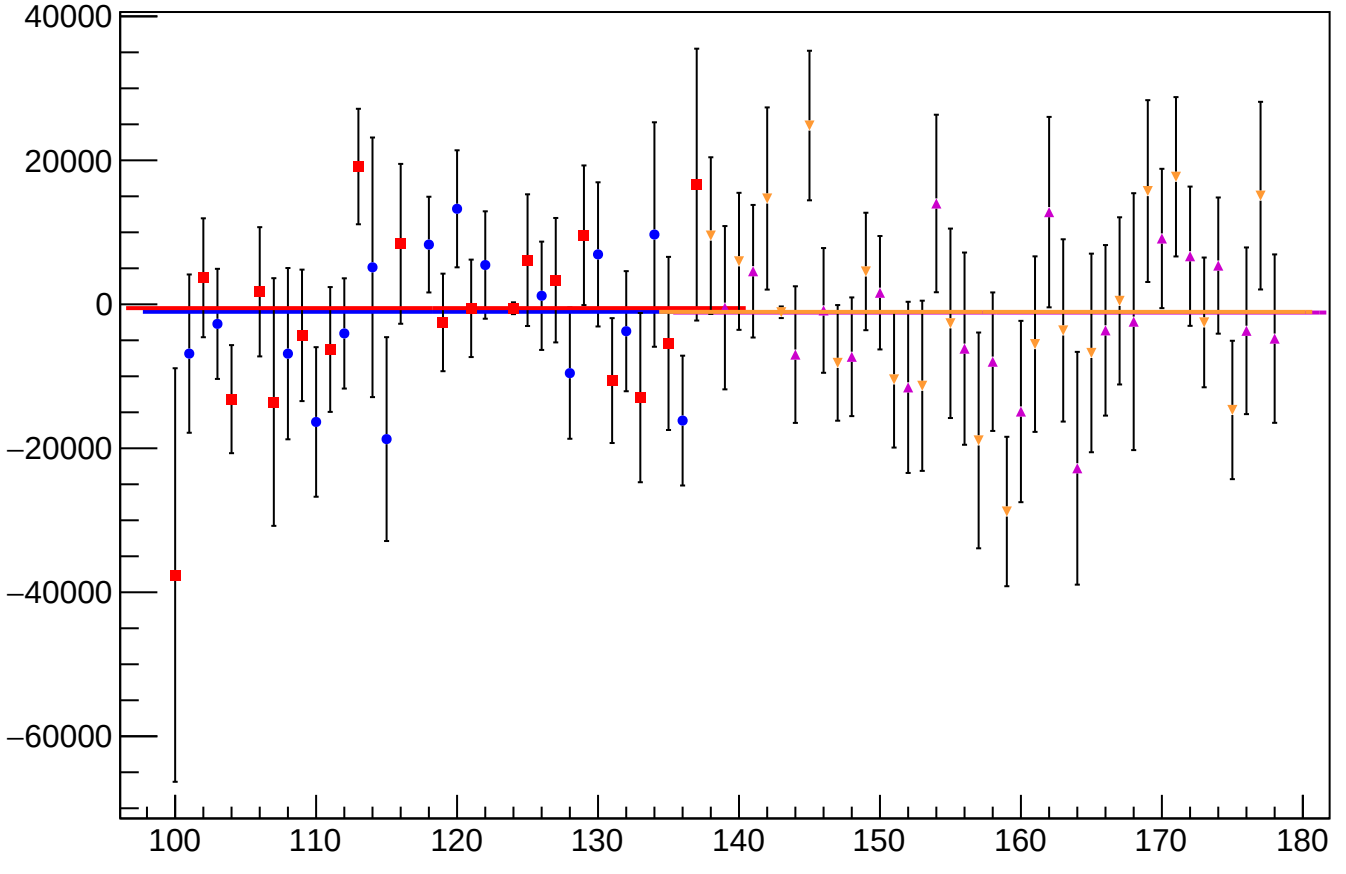
Left In: 2464.745+/-0.433 χ^2/NDF:315461.0/19

+ sign 2313.656+/-0.340 χ^2/NDF: 1491512.0/36

All: 2301.229+/-0.239 χ^2/NDF: 2614616.3/75

- sign 2289.054+/-0.337 χ^2/NDF: 1120461.3/38

asym_atl2_cor_correction_mean vs Slug



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -1051.703+/-765.235 χ^2/NDF:29.4/20

Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

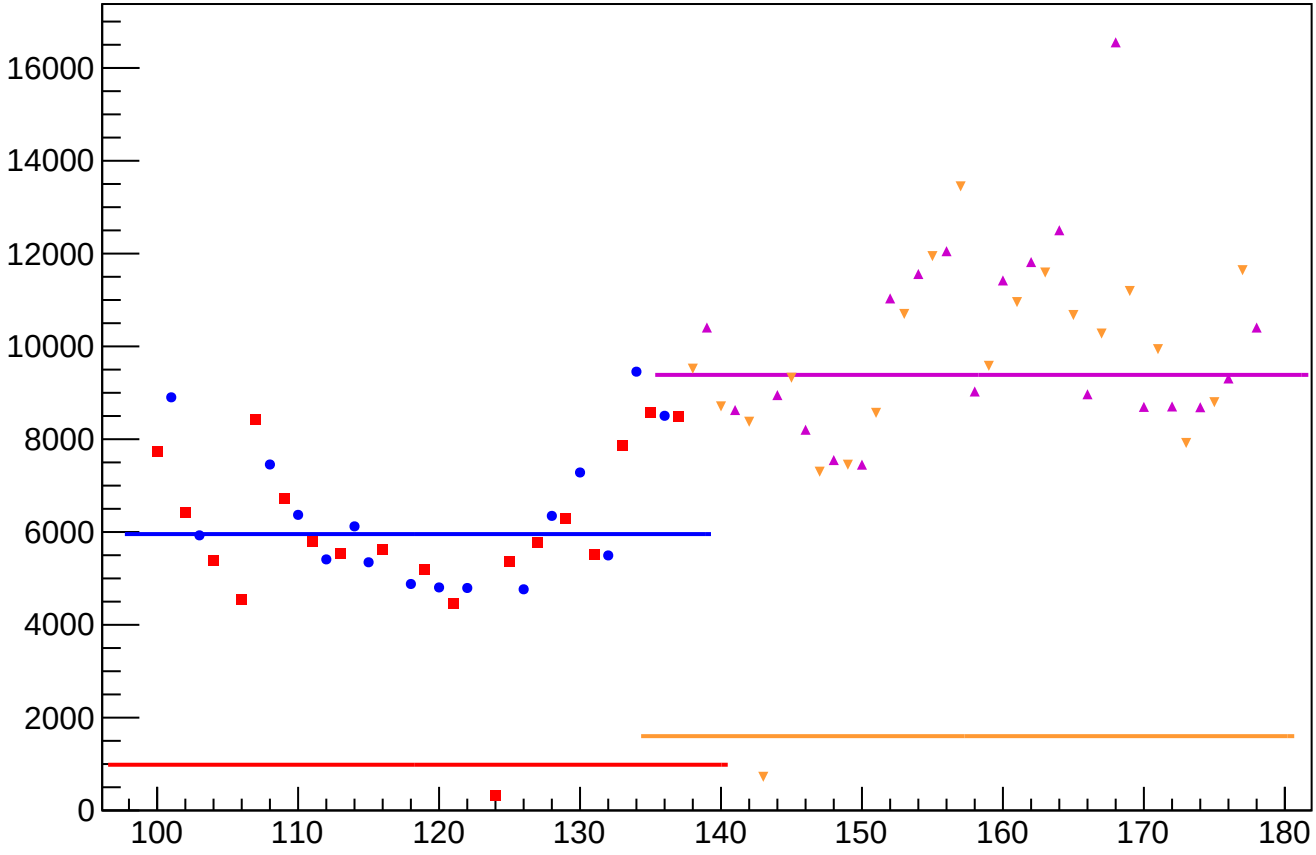
Left In: -1144.290+/-2368.005 χ^2/NDF:10.9/19

+ sign -1050.306+/-725.341 χ^2/NDF: 44.8/36

All: -821.313+/-514.706 χ^2/NDF: 74.0/75

- sign -589.056+/-730.494 χ^2/NDF: 29.0/38

asym_atl2_cor_correction_rms vs Slug



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1601.158+/-0.541 χ^2/NDF:24167983.3/20

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

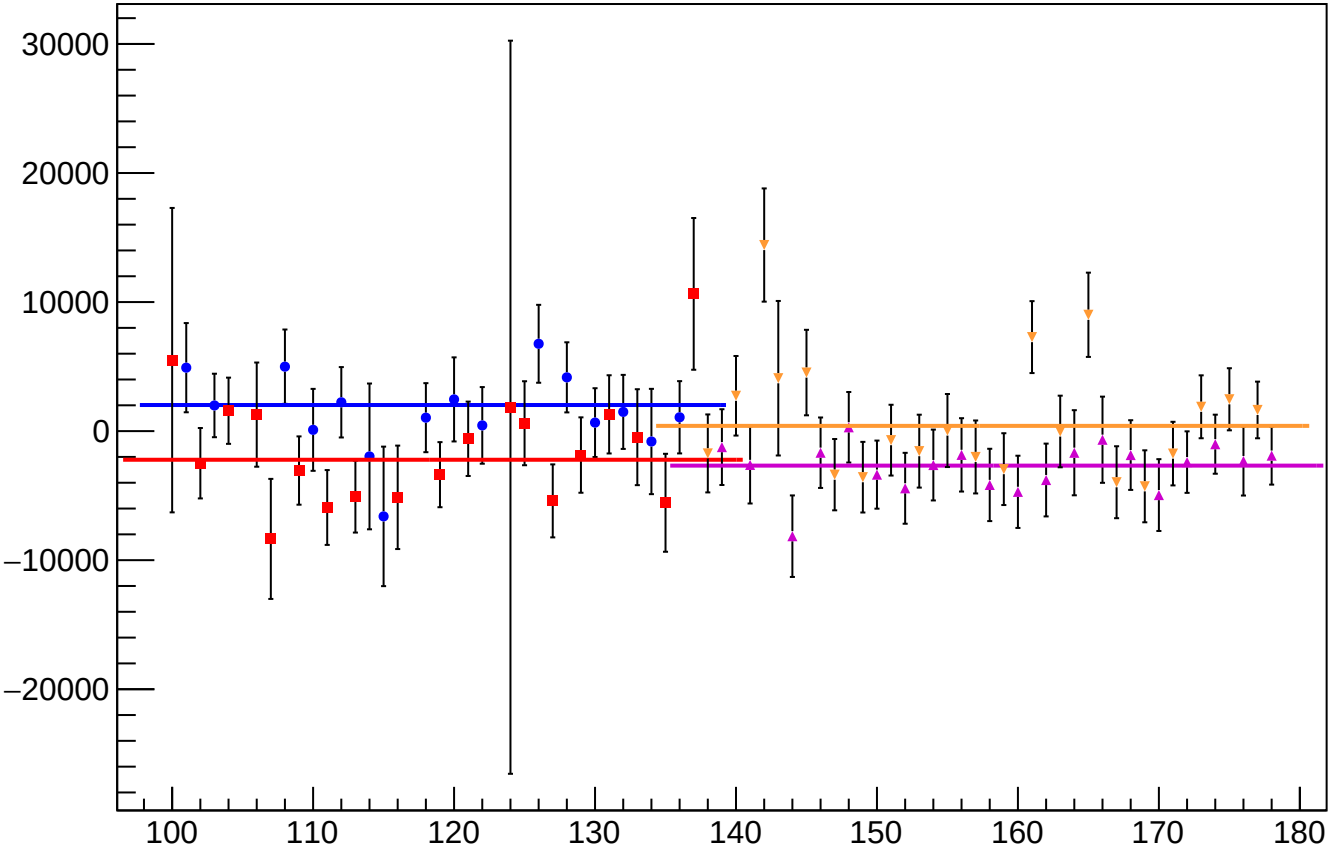
Left In: 9386.235+/-1.674 χ^2/NDF:1039521.6/19

+ sign 2043.347+/-0.513 χ^2/NDF: 31433463.1/36

All: 1914.853+/-0.364 χ^2/NDF: 66790323.5/7

- sign 1784.527+/-0.517 χ^2/NDF: 35230437.1/38

eigen_cor_asym_atl2_mean vs Slug



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 406.334+/-618.901 χ^2/NDF:40.5/20

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

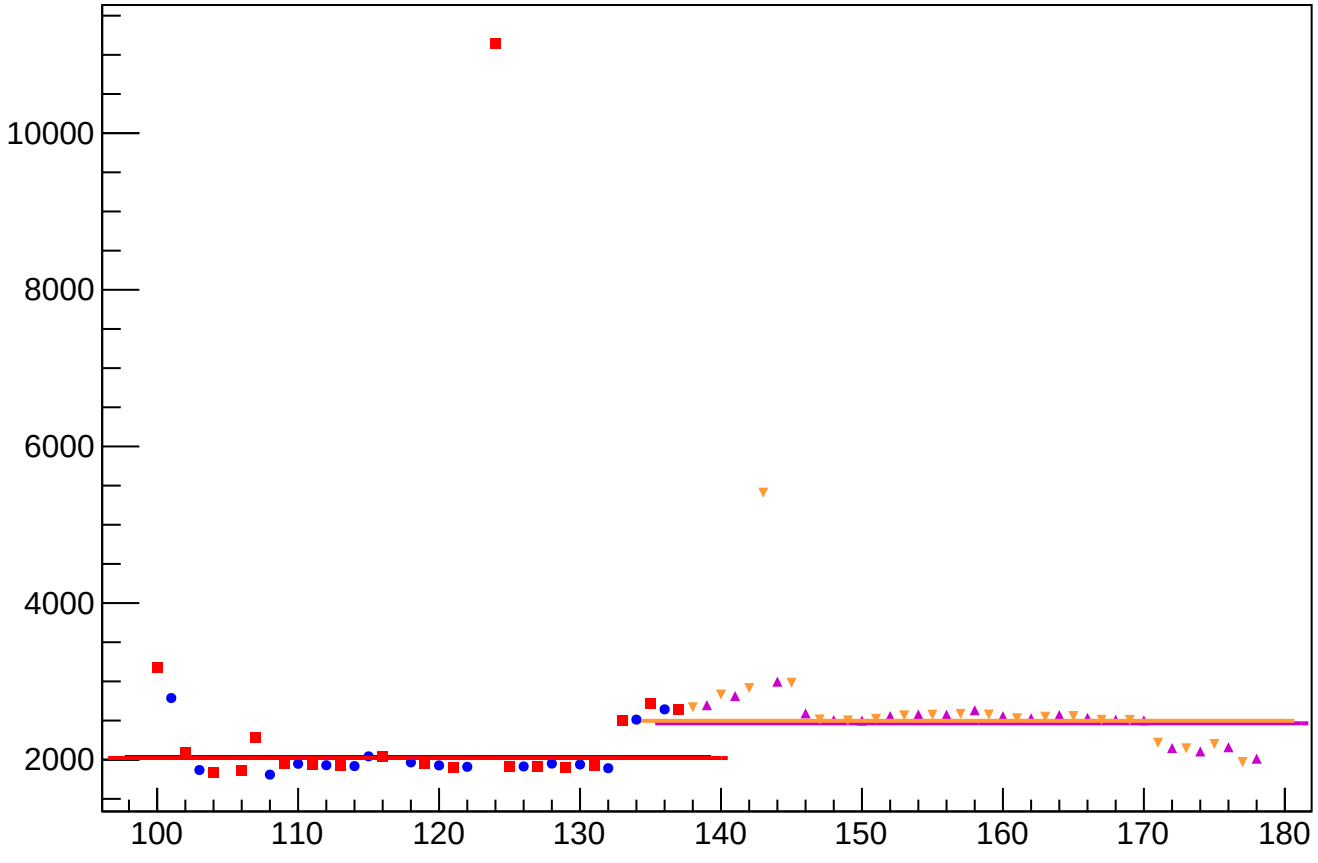
Left In: -2673.562+/-612.816 χ^2/NDF:8.0/19

+ sign 1046.454+/-480.996 χ^2/NDF: 52.9/36

All: -741.603+/-338.369 χ^2/NDF: 106.5/75

- sign -2493.397+/-476.093 χ^2/NDF: 26.3/38

eigen_cor_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2496.899+/-0.438 χ^2/NDF:785807.2/20

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

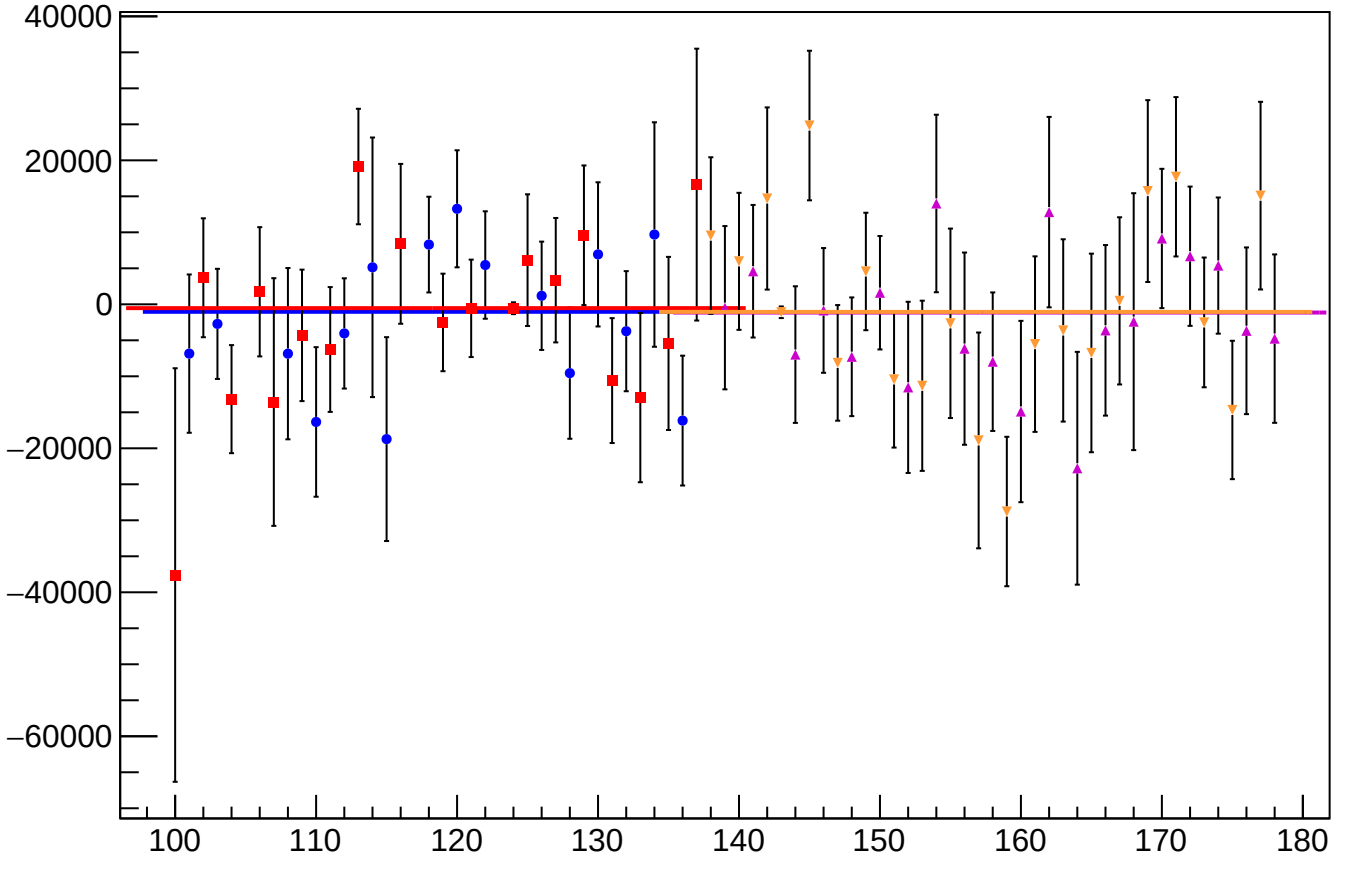
Left In: 2464.745+/-0.433 χ^2/NDF:315461.0/19

+ sign 2313.656+/-0.340 χ^2/NDF: 1491512.0/36

All: 2301.229+/-0.239 χ^2/NDF: 2614616.3/75

- sign 2289.054+/-0.337 χ^2/NDF: 1120461.3/38

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -1051.703+/-765.235 χ^2/NDF:29.4/20

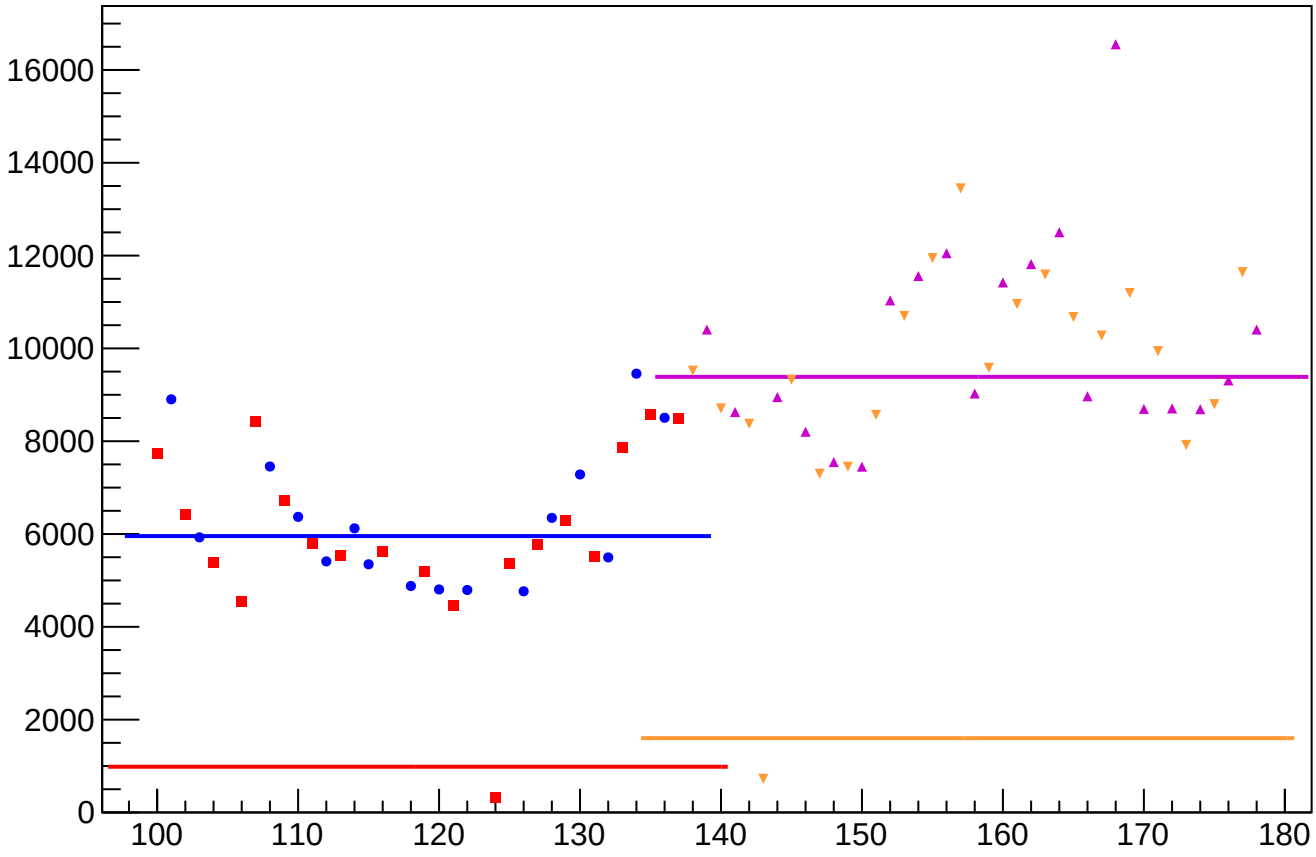
Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

Left In: -1144.290+/-2368.005 χ^2/NDF:10.9/19

+ sign -1050.306+/-725.341 χ^2/NDF: 44.8/36

All: -821.313+/-514.706 χ^2/NDF: 74.0/75

- sign -589.056+/-730.494 χ^2/NDF: 29.0/38



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1601.158+/-0.541 χ^2/NDF:24167983.3/20

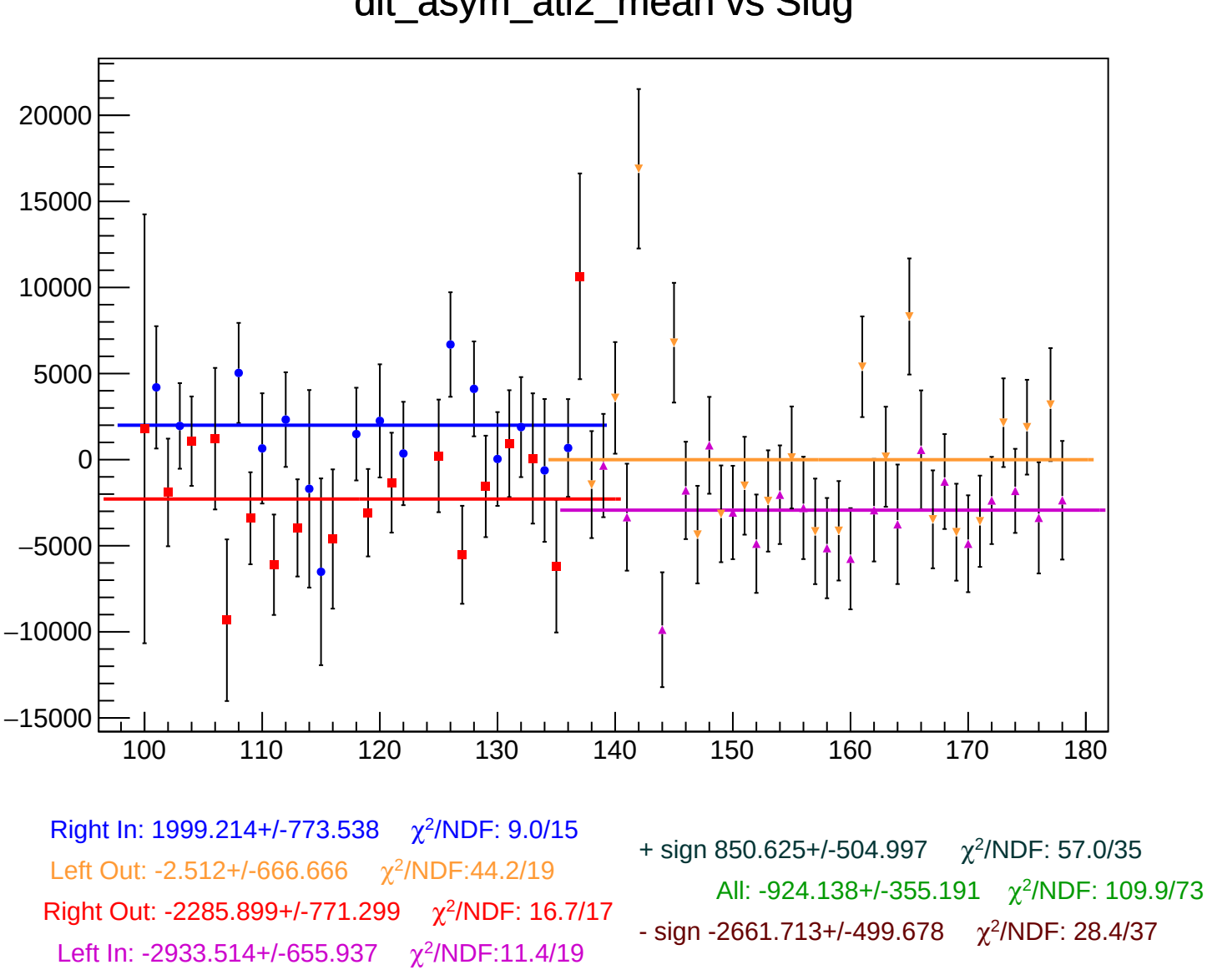
Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9386.235+/-1.674 χ^2/NDF:1039521.6/19

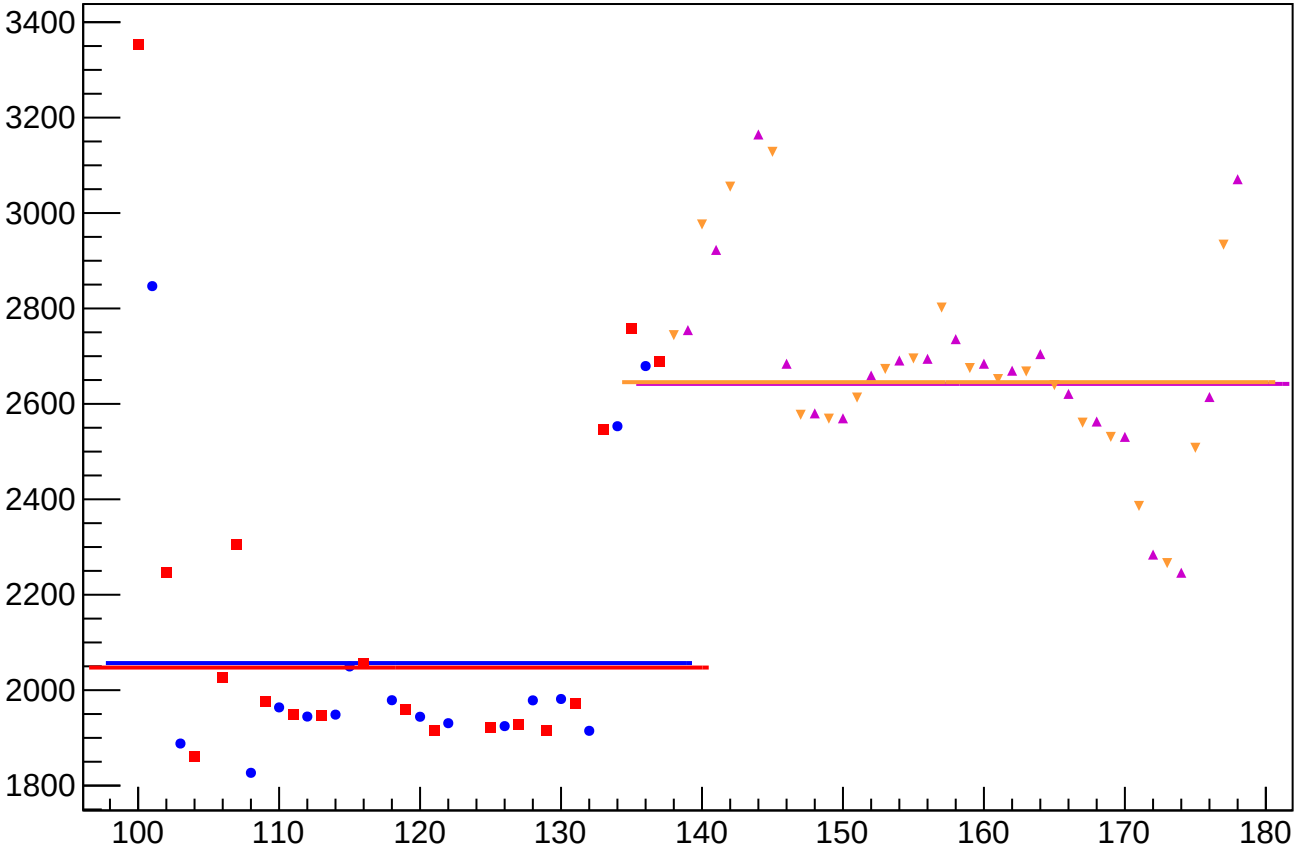
+ sign 2043.347+/-0.513 χ^2/NDF: 31433463.1/36

All: 1914.853+/-0.364 χ^2/NDF: 66790323.5/7

- sign 1784.527+/-0.517 χ^2/NDF: 35230437.1/38


dit_asym_atl2_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 1999.214+/-773.538 χ²/NDF: 9.0/15
Left Out: -2.512+/-666.666 χ²/NDF:44.2/19
Right Out: -2285.899+/-771.299 χ²/NDF: 16.7/17
Left In: -2933.514+/-655.937 χ²/NDF:11.4/19
+ sign 850.625+/-504.997 χ²/NDF: 57.0/35
All: -924.138+/-355.191 χ²/NDF: 109.9/73
- sign -2661.713+/-499.678 χ²/NDF: 28.4/37

dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2645.530+/-0.471 χ^2/NDF:174263.2/19

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

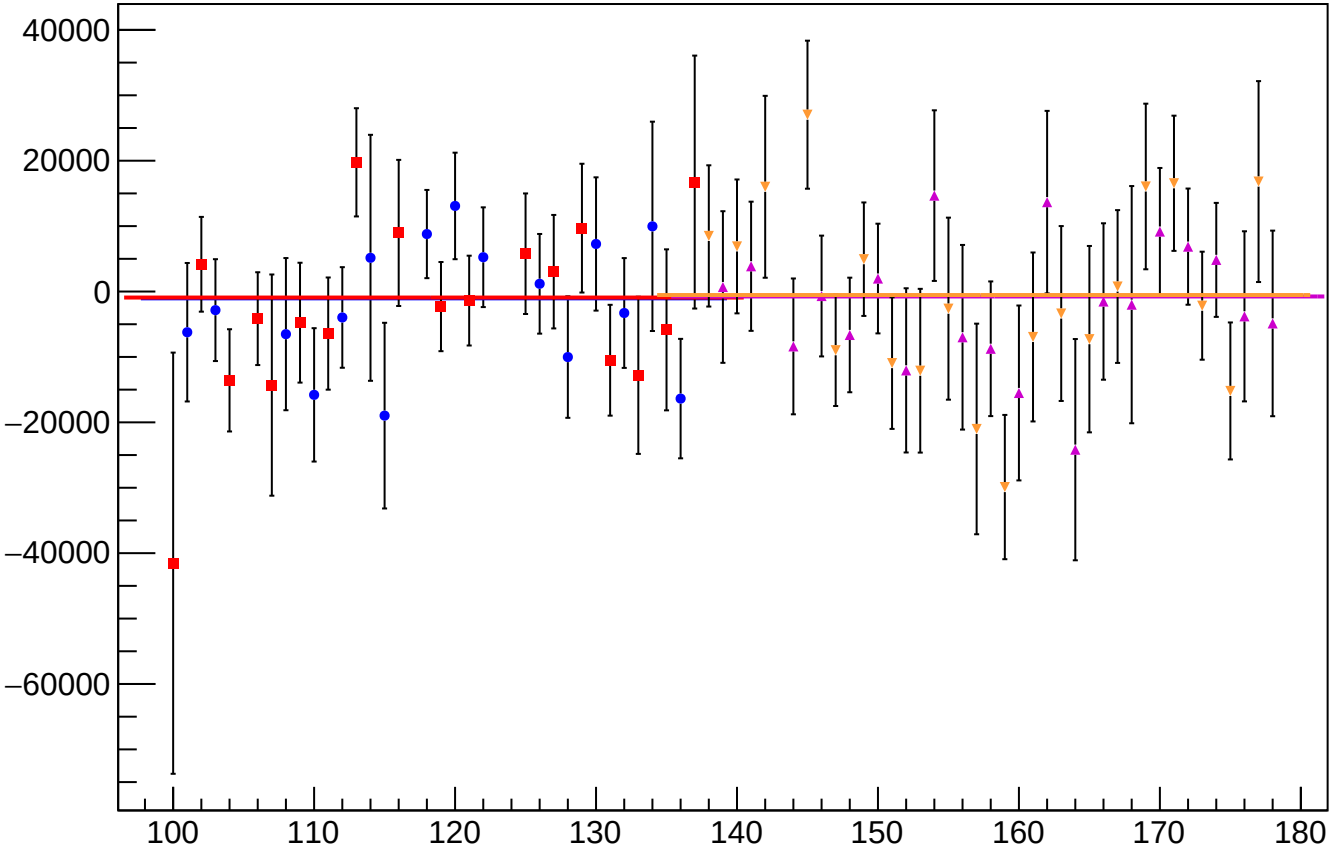
Left In: 2641.877+/-0.464 χ^2/NDF:204098.4/19

+ sign 2394.611+/-0.357 χ^2/NDF: 1109479.1/35

All: 2393.260+/-0.251 χ^2/NDF: 2200800.0/73

- sign 2391.940+/-0.353 χ^2/NDF: 1091292.5/37

asym_atl2_dit_correction_mean vs Slug



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: -536.493+/-2506.915 χ^2/NDF:28.9/19

Right Out: -919.663+/-2150.895 χ^2/NDF: 18.4/17

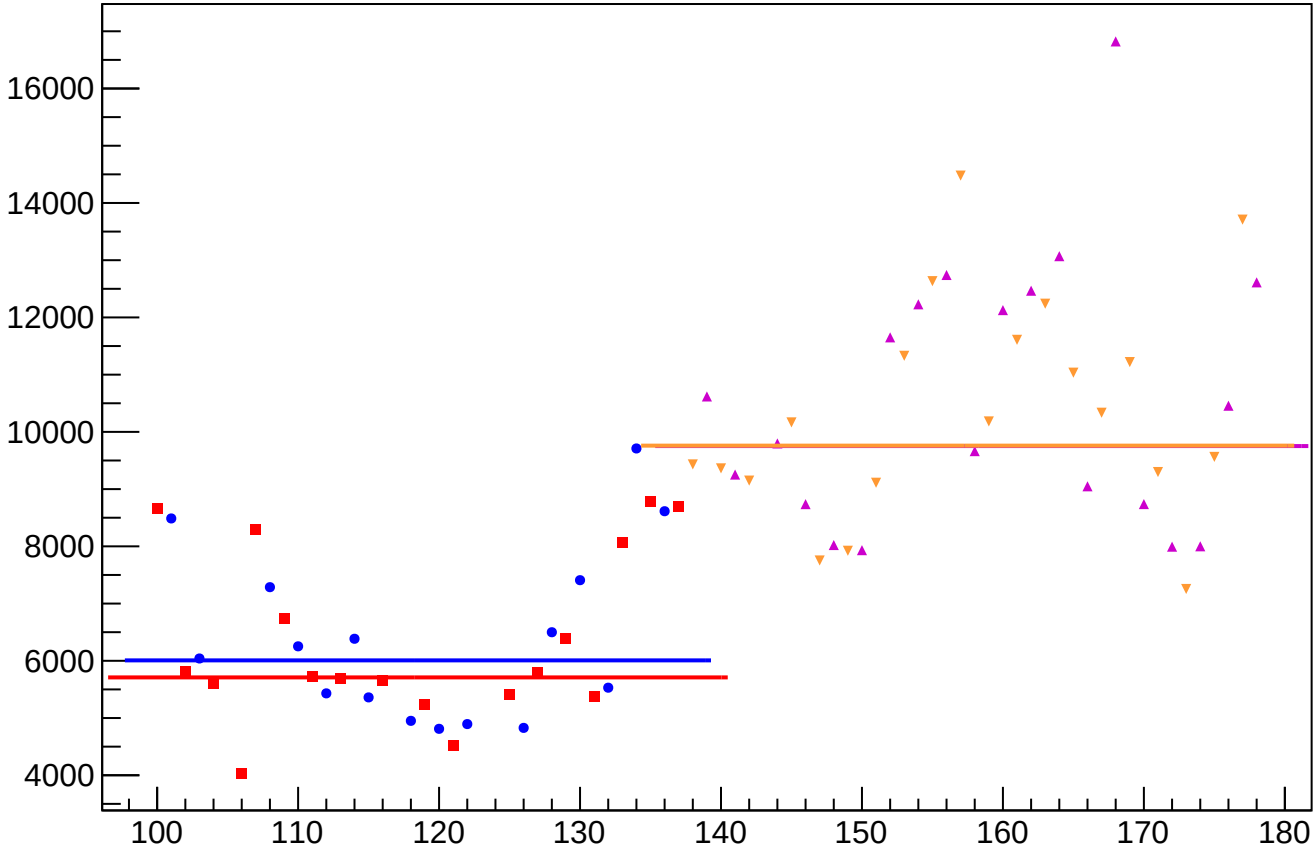
Left In: -756.033+/-2467.746 χ^2/NDF:10.9/19

+ sign -811.835+/-1692.621 χ^2/NDF: 44.2/35

All: -831.226+/-1170.887 χ^2/NDF: 73.4/73

- sign -849.021+/-1621.440 χ^2/NDF: 29.2/37

asym_atl2_dit_correction_rms vs Slug



Right In: 6007.425+/-1.623 χ^2/NDF: 653996.7/15

Left Out: 9759.662+/-1.773 χ^2/NDF:989739.9/19

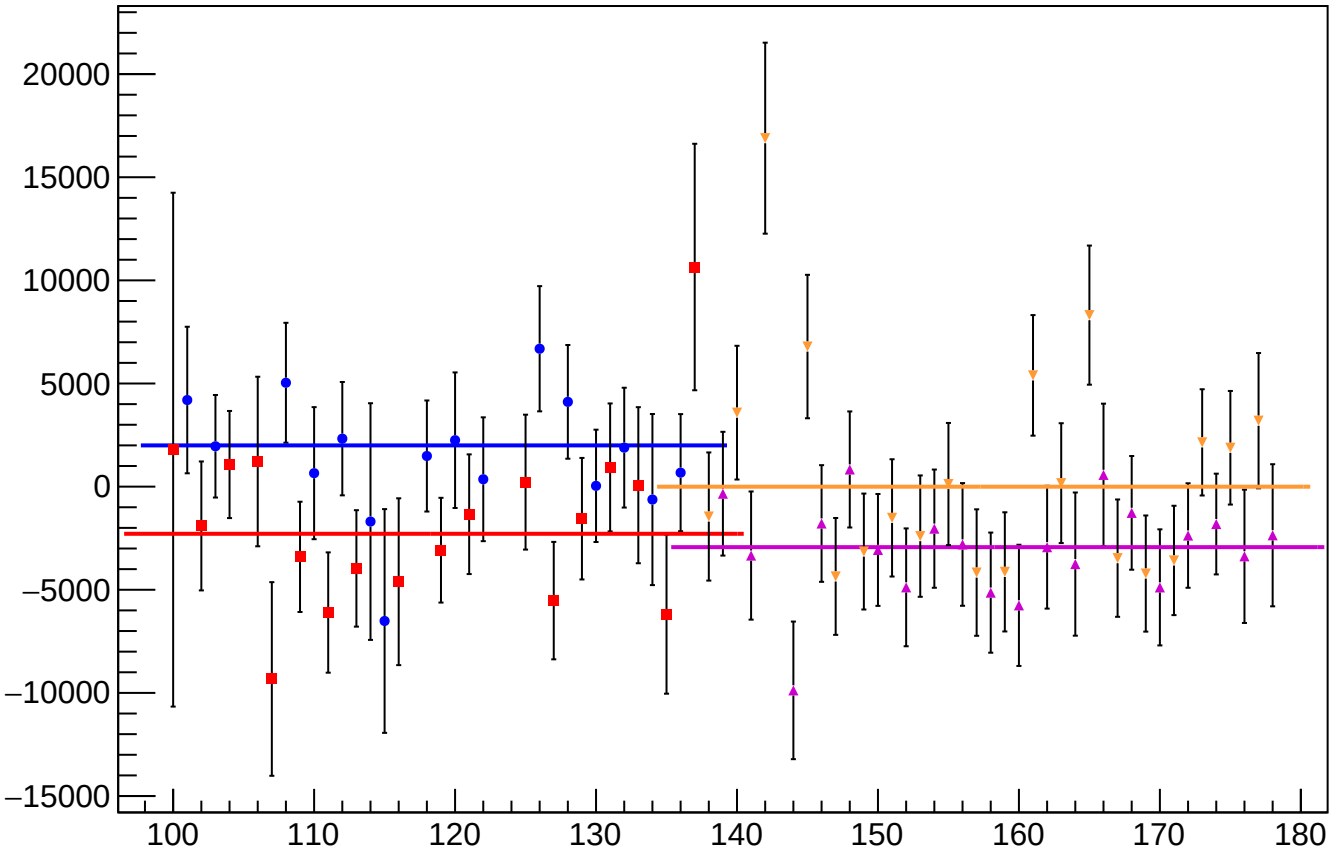
Right Out: 5709.903+/-1.521 χ^2/NDF: 535926.2/17

Left In: 9752.184+/-1.745 χ^2/NDF:1215254.2/19

+ sign 7717.955+/-1.197 χ^2/NDF: 4081740.5/35

All: 7580.848+/-0.828 χ^2/NDF: 8907705.2/73

- sign 7455.031+/-1.147 χ^2/NDF: 4800799.6/37



Right In: 1999.218+/-773.538 χ^2/NDF: 9.0/15

Left Out: -2.519+/-666.667 χ^2/NDF:44.2/19

Right Out: -2285.903+/-771.299 χ^2/NDF: 16.7/17

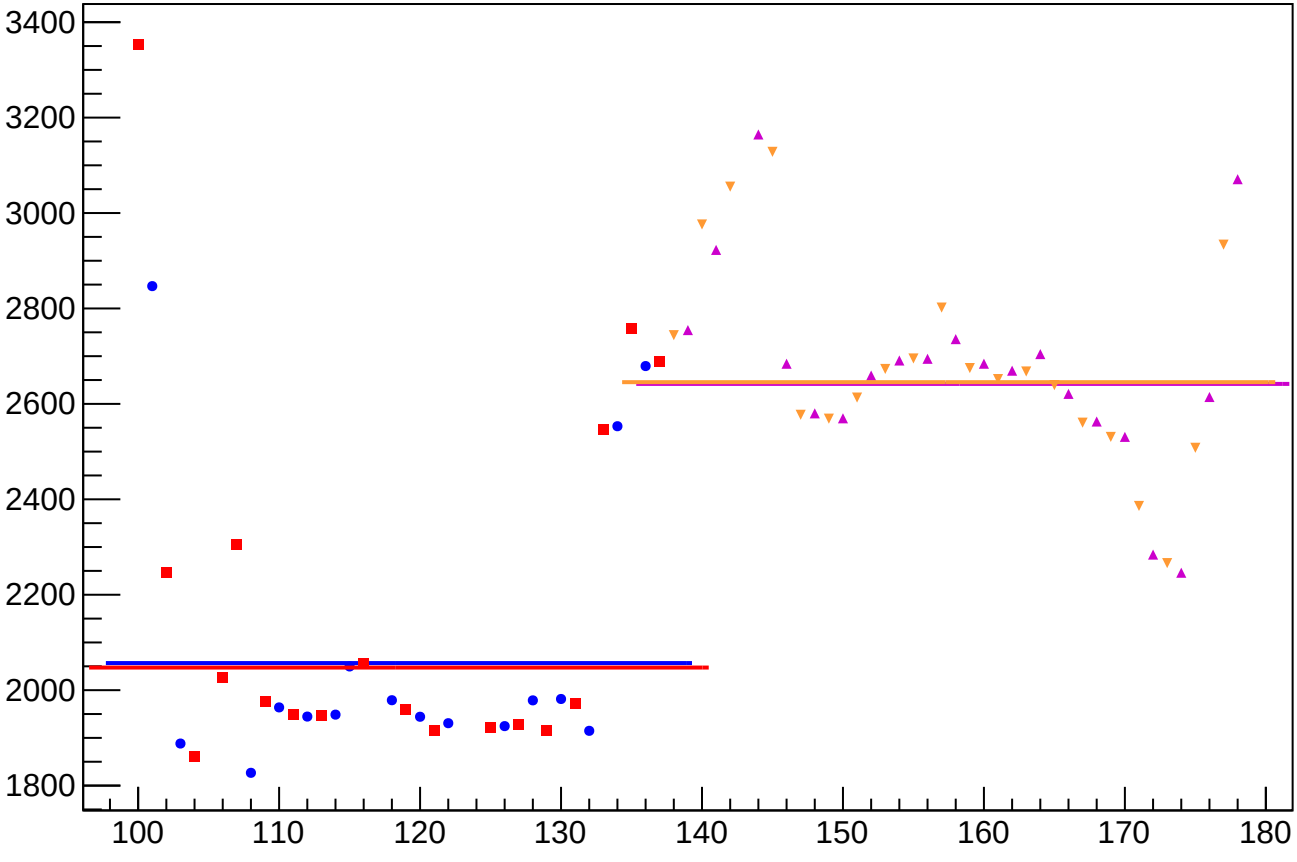
Left In: -2933.515+/-655.938 χ^2/NDF:11.4/19

+ sign 850.623+/-504.997 χ^2/NDF: 57.0/35

All: -924.140+/-355.191 χ^2/NDF: 109.9/73

- sign -2661.714+/-499.678 χ^2/NDF: 28.4/37

eigen_dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2645.531+/-0.471 χ^2/NDF:174271.8/19

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

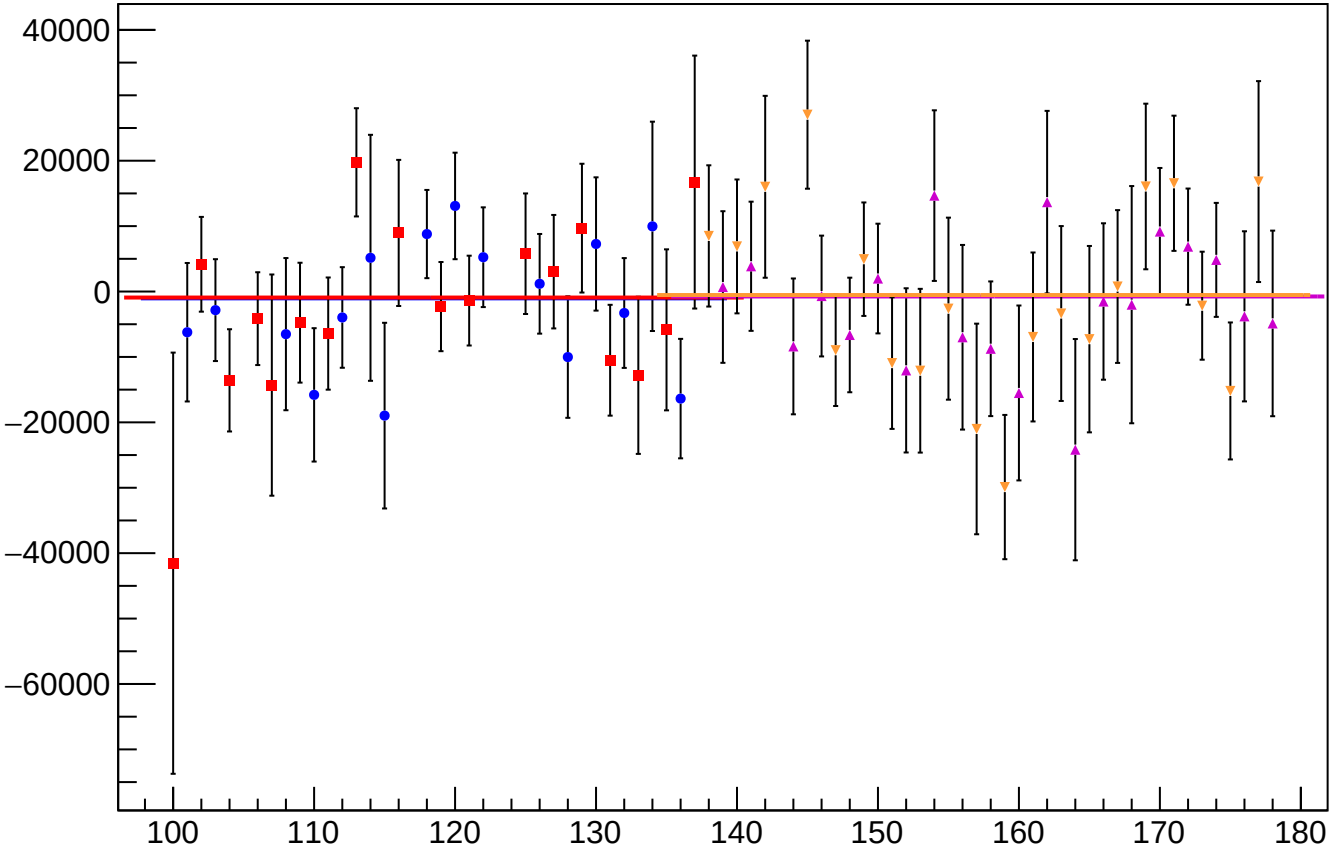
Left In: 2641.879+/-0.464 χ^2/NDF:204107.4/19

+ sign 2394.611+/-0.357 χ^2/NDF: 1109489.9/35

All: 2393.261+/-0.251 χ^2/NDF: 2200823.6/73

- sign 2391.941+/-0.353 χ^2/NDF: 1091305.4/37

asym_atl2_eigen_dit_correction_mean vs Slug



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: -536.501+/-2506.919 χ^2/NDF:28.9/19

Right Out: -919.667+/-2150.889 χ^2/NDF: 18.4/17

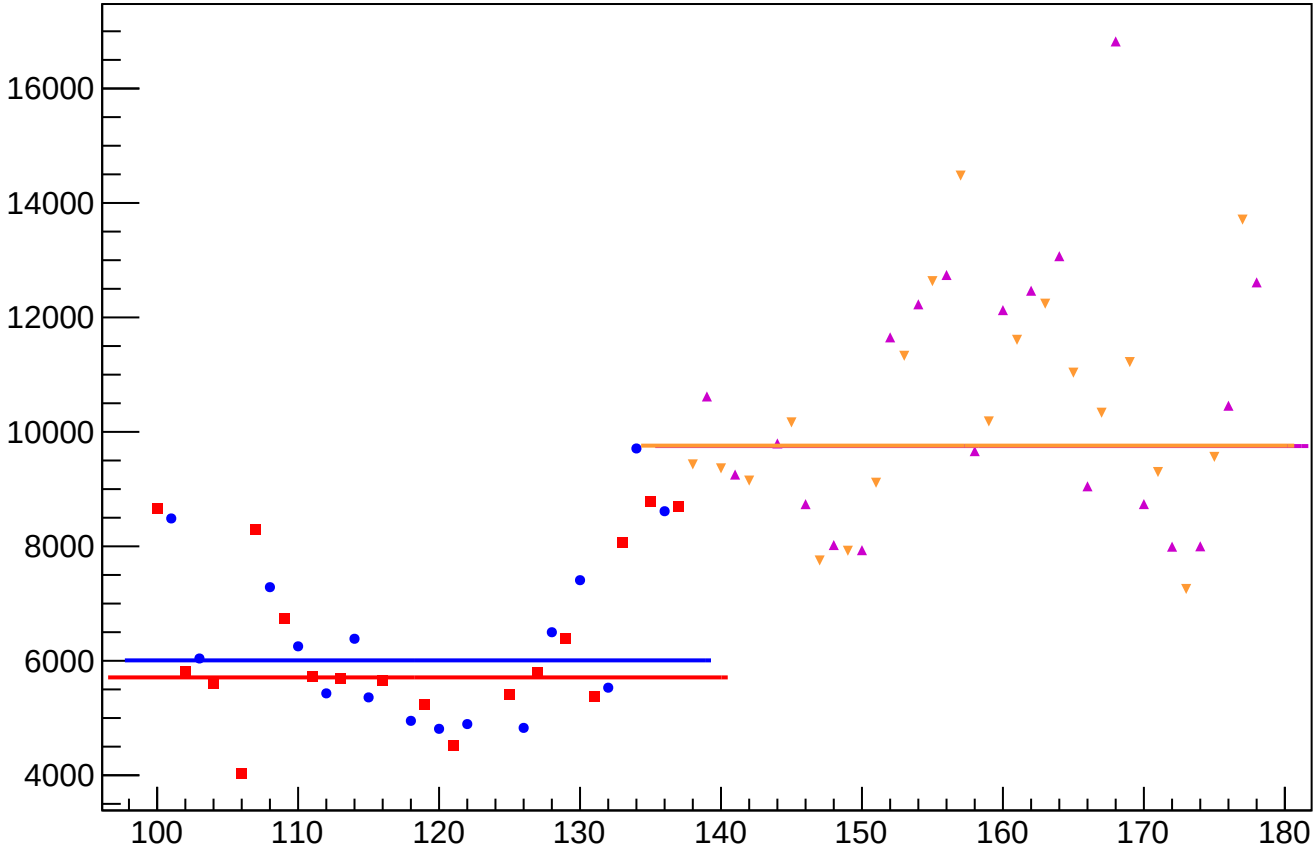
Left In: -756.035+/-2467.750 χ^2/NDF:10.9/19

+ sign -811.833+/-1692.620 χ^2/NDF: 44.2/35

All: -831.227+/-1170.886 χ^2/NDF: 73.4/73

- sign -849.024+/-1621.438 χ^2/NDF: 29.2/37

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 9759.679+/-1.773 χ^2/NDF:989739.7/19

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

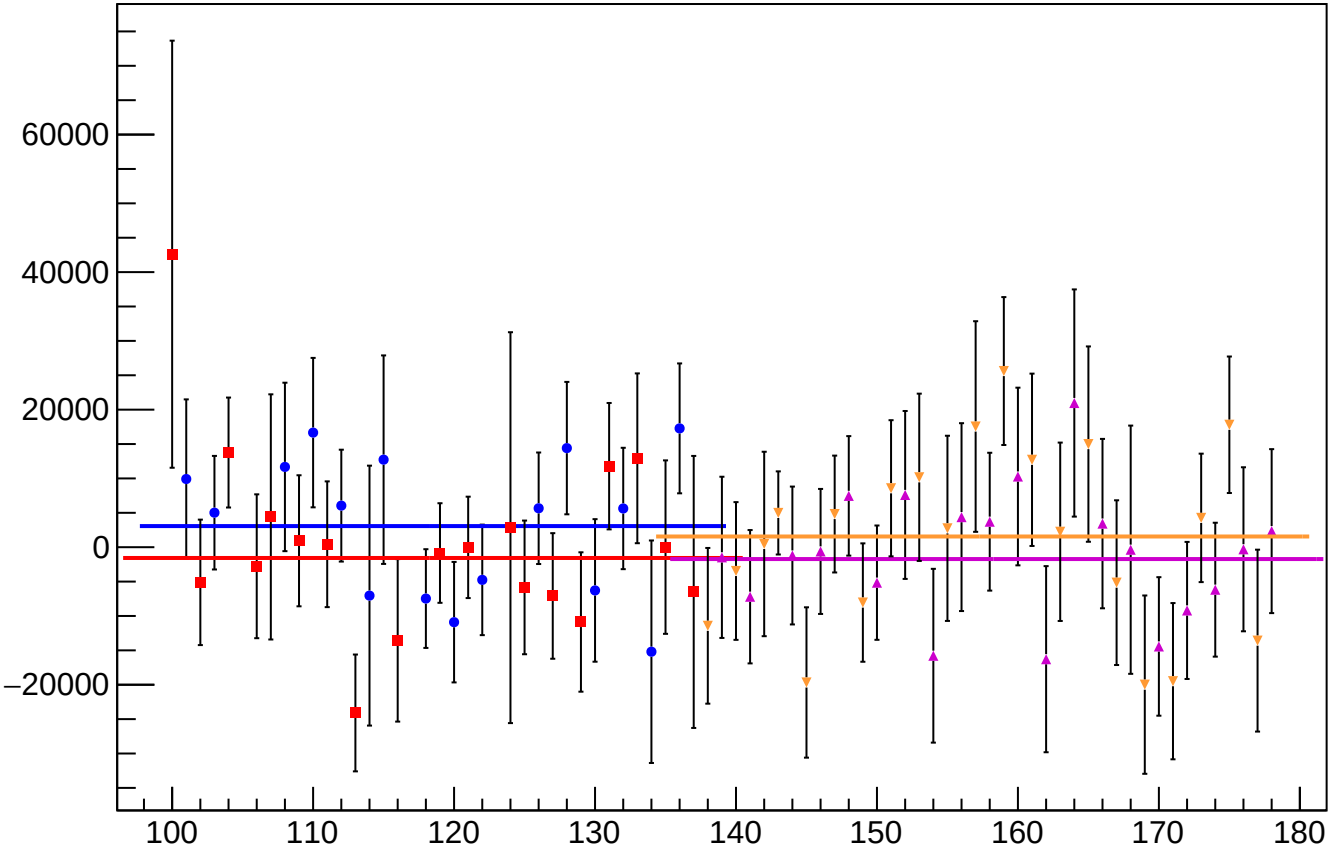
Left In: 9752.200+/-1.745 χ^2/NDF:1215255.1/19

+ sign 7717.943+/-1.197 χ^2/NDF: 4081798.8/35

All: 7580.836+/-0.828 χ^2/NDF: 8907819.8/73

- sign 7455.019+/-1.147 χ^2/NDF: 4800855.8/37

asym_atl2_mean vs Slug



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: 1556.625+/-2311.850 χ^2/NDF:26.4/20

Right Out: -1567.088+/-2335.884 χ^2/NDF: 19.2/18

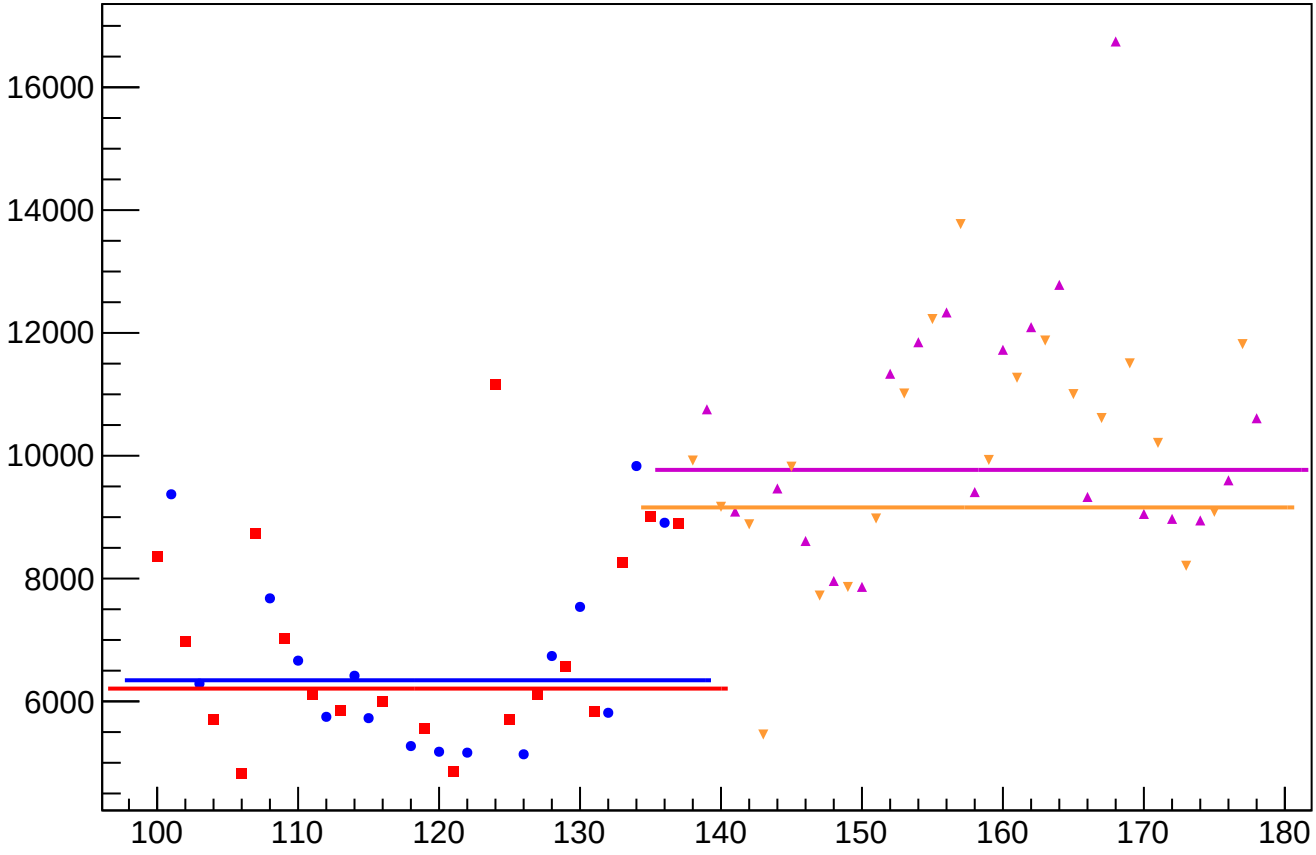
Left In: -1723.347+/-2459.504 χ^2/NDF:10.5/19

\+ sign 2278.656+/-1671.889 χ^2/NDF: 41.5/36

All: 344.176+/-1189.853 χ^2/NDF: 73.9/75

\- sign -1641.192+/-1693.736 χ^2/NDF: 29.7/38

asym_atl2_rms vs Slug



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 9158.557+/-1.635 χ^2/NDF:1603515.9/20

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

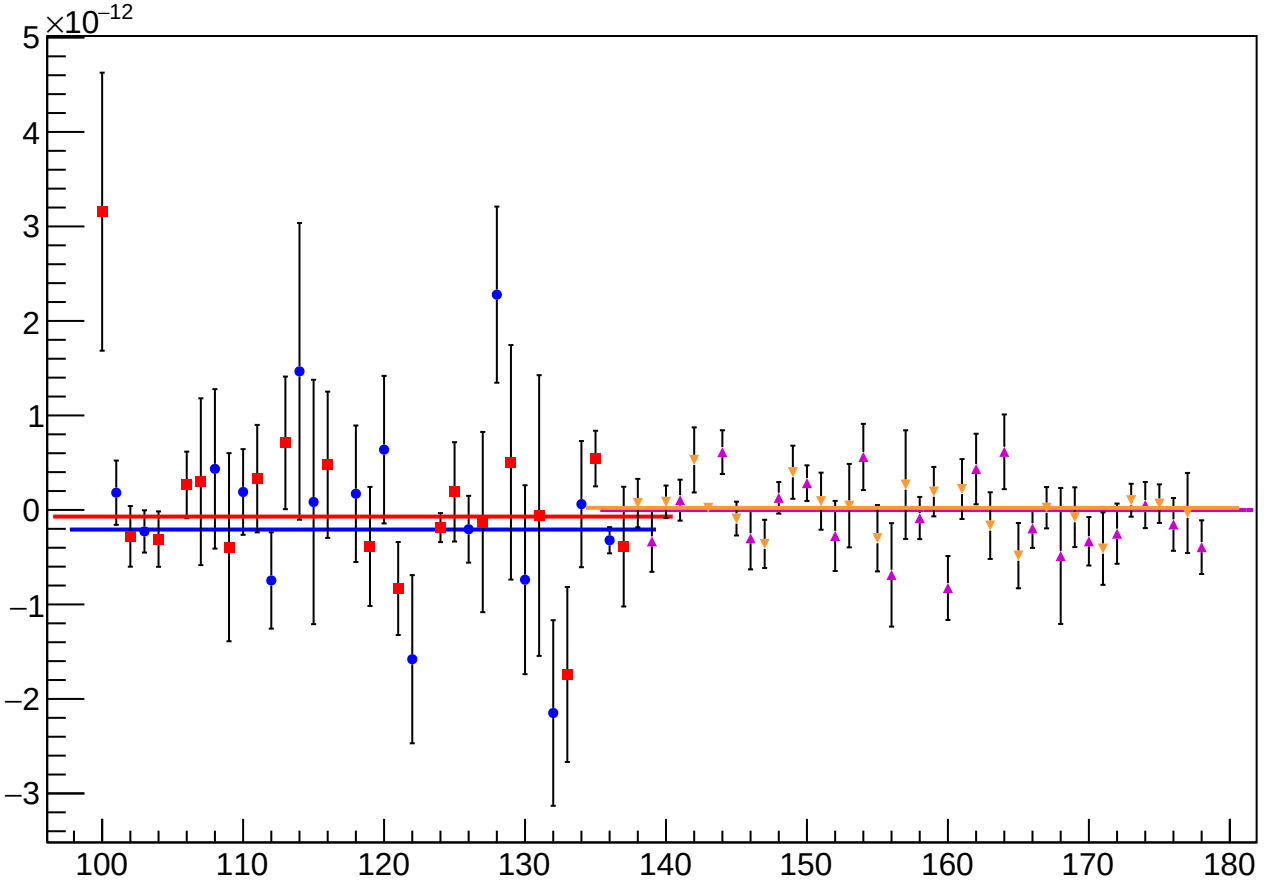
Left In: 9769.744+/-1.739 χ^2/NDF:930507.6/19

+ sign 7815.892+/-1.182 χ^2/NDF: 3638984.5/36

All: 7856.000+/-0.841 χ^2/NDF: 7248755.1/75

- sign 7897.162+/-1.198 χ^2/NDF: 3607438.3/38

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:12.8/20

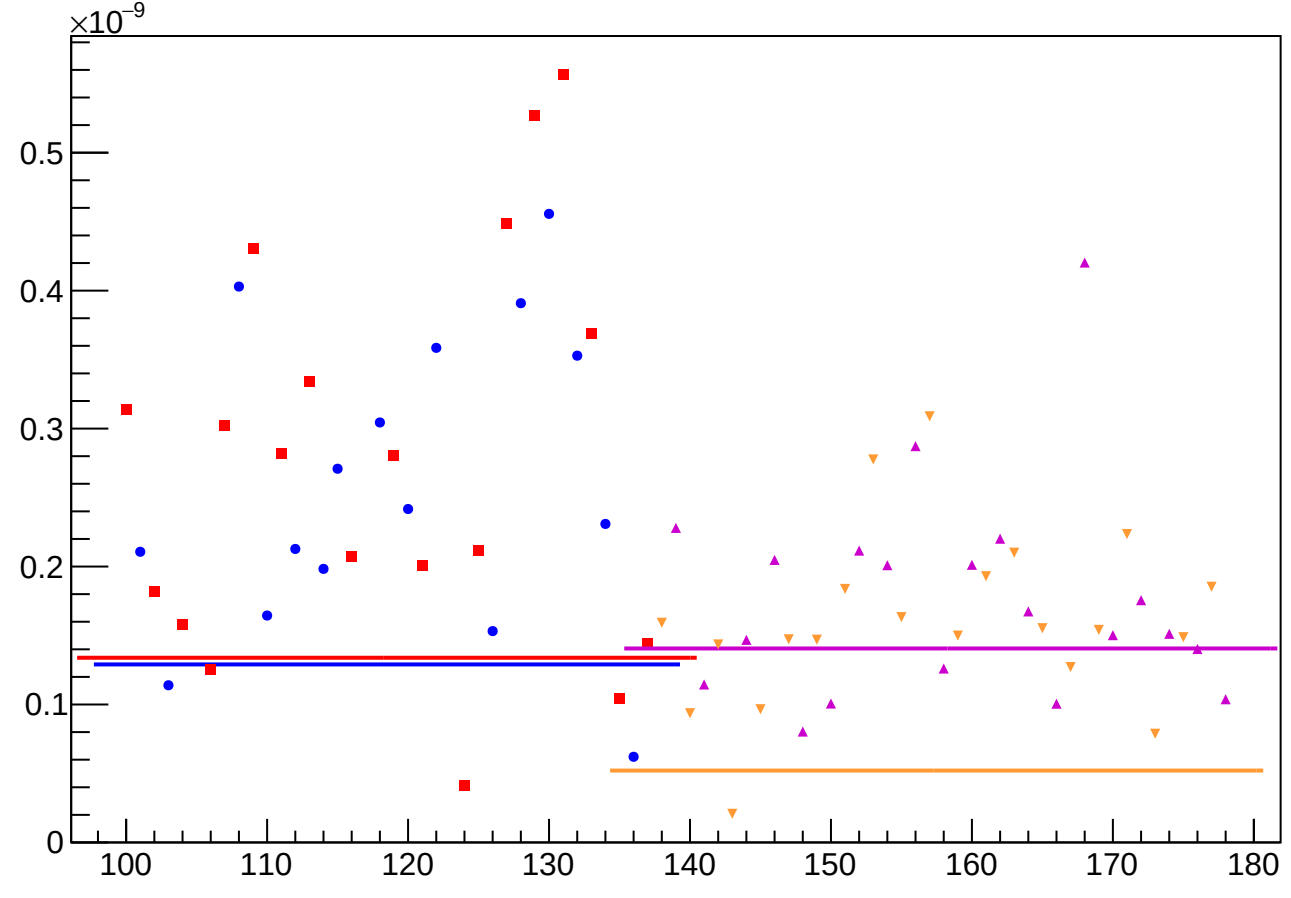
Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: -0.000+/-0.000 χ^2/NDF:32.4/19

+ sign 0.000+/-0.000 χ^2/NDF: 39.0/36

All: -0.000+/-0.000 χ^2/NDF: 92.8/75

- sign -0.000+/-0.000 χ^2/NDF: 53.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 1720321.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:7082695.6/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2304489.5/18

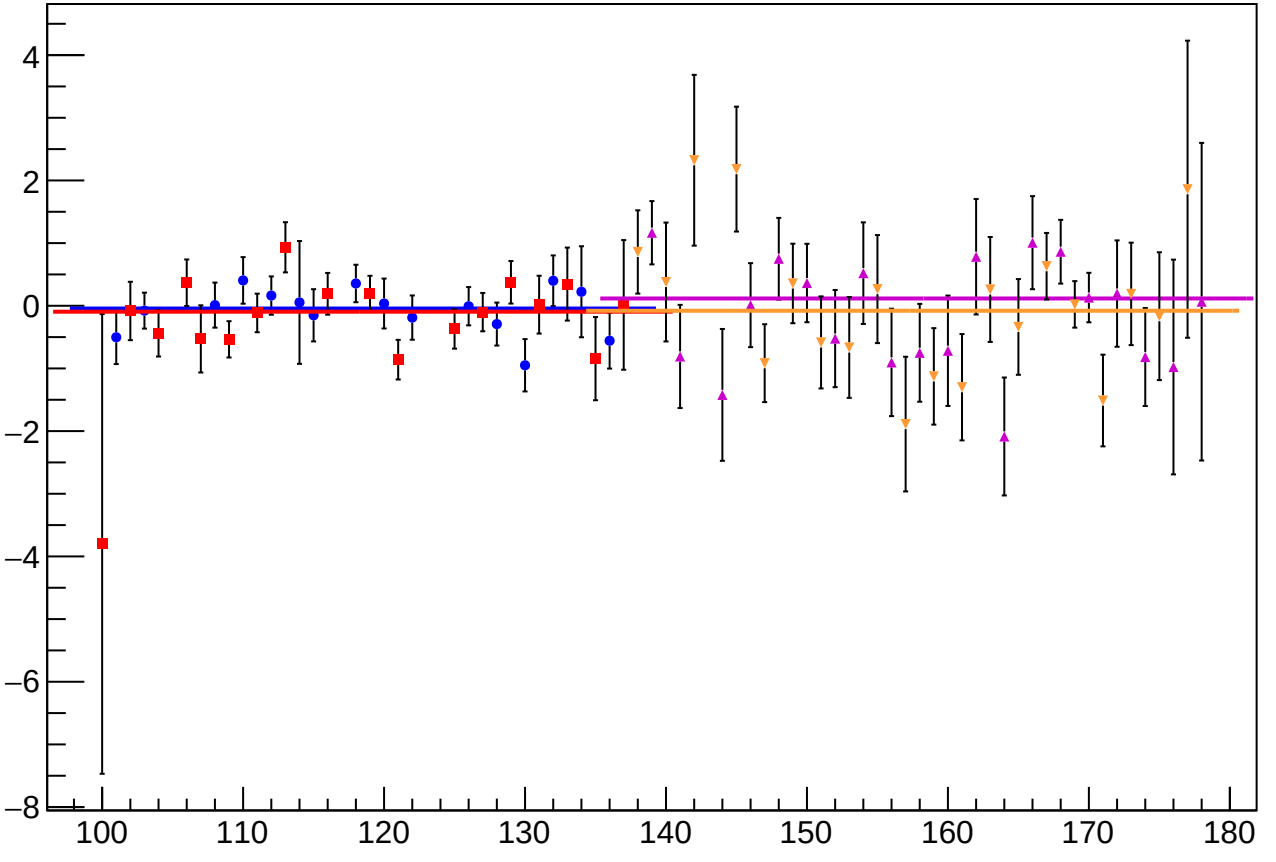
Left In: 0.000+/-0.000 χ^2/NDF:1492768.9/19

+ sign 0.000+/-0.000 χ^2/NDF: 9985643.8/36

All: 0.000+/-0.000 χ^2/NDF: 17460652.7/75

- sign 0.000+/-0.000 χ^2/NDF: 3804338.2/38

asym_atl2_dit_vs_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.079+/-0.164 χ^2/NDF:27.5/19

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

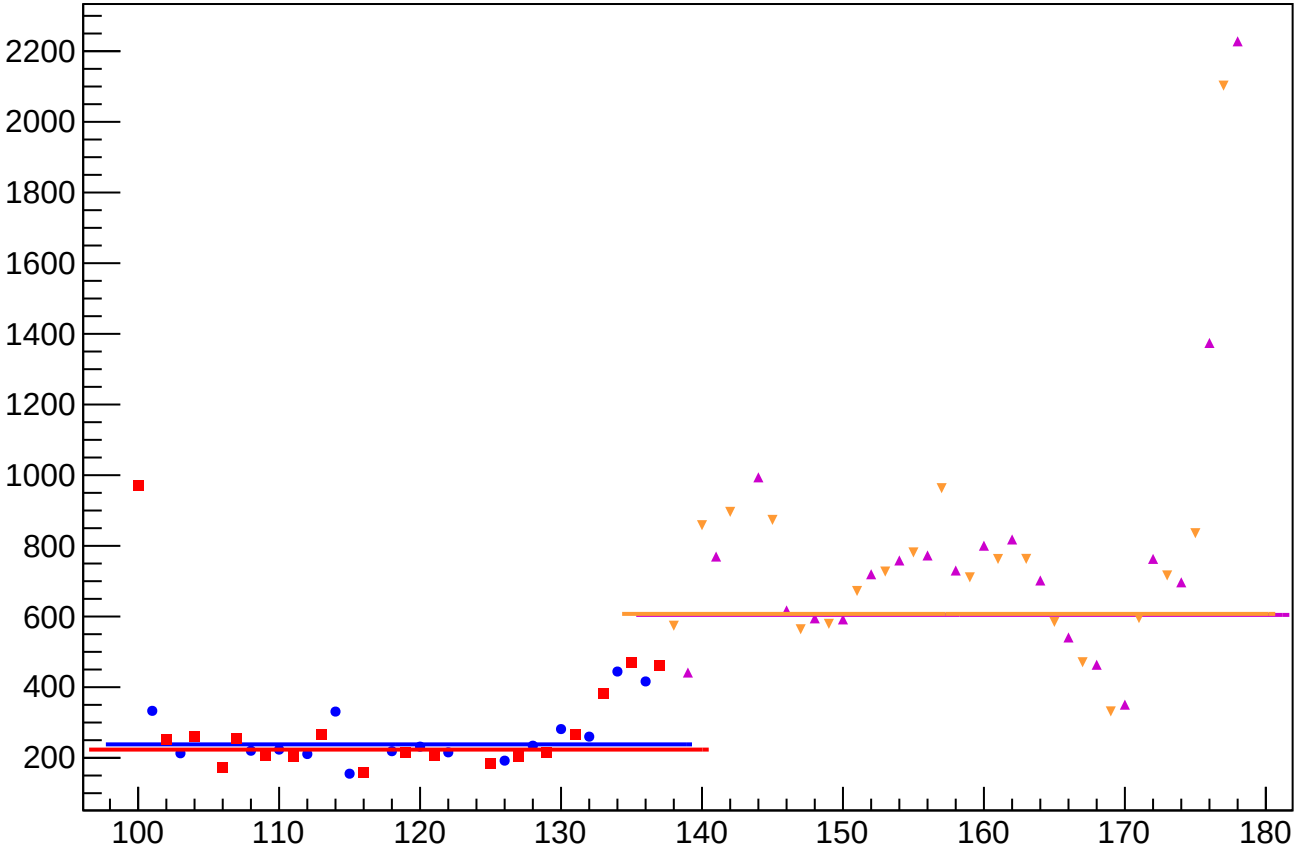
Left In: 0.116+/-0.160 χ^2/NDF:24.8/19

+ sign -0.053+/-0.081 χ^2/NDF: 40.6/35

All: -0.048+/-0.057 χ^2/NDF: 91.9/73

- sign -0.044+/-0.079 χ^2/NDF: 51.3/37

asym_atl2_dit_vs_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 607.460+/-0.116 χ^2/NDF:3096338.5/19

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

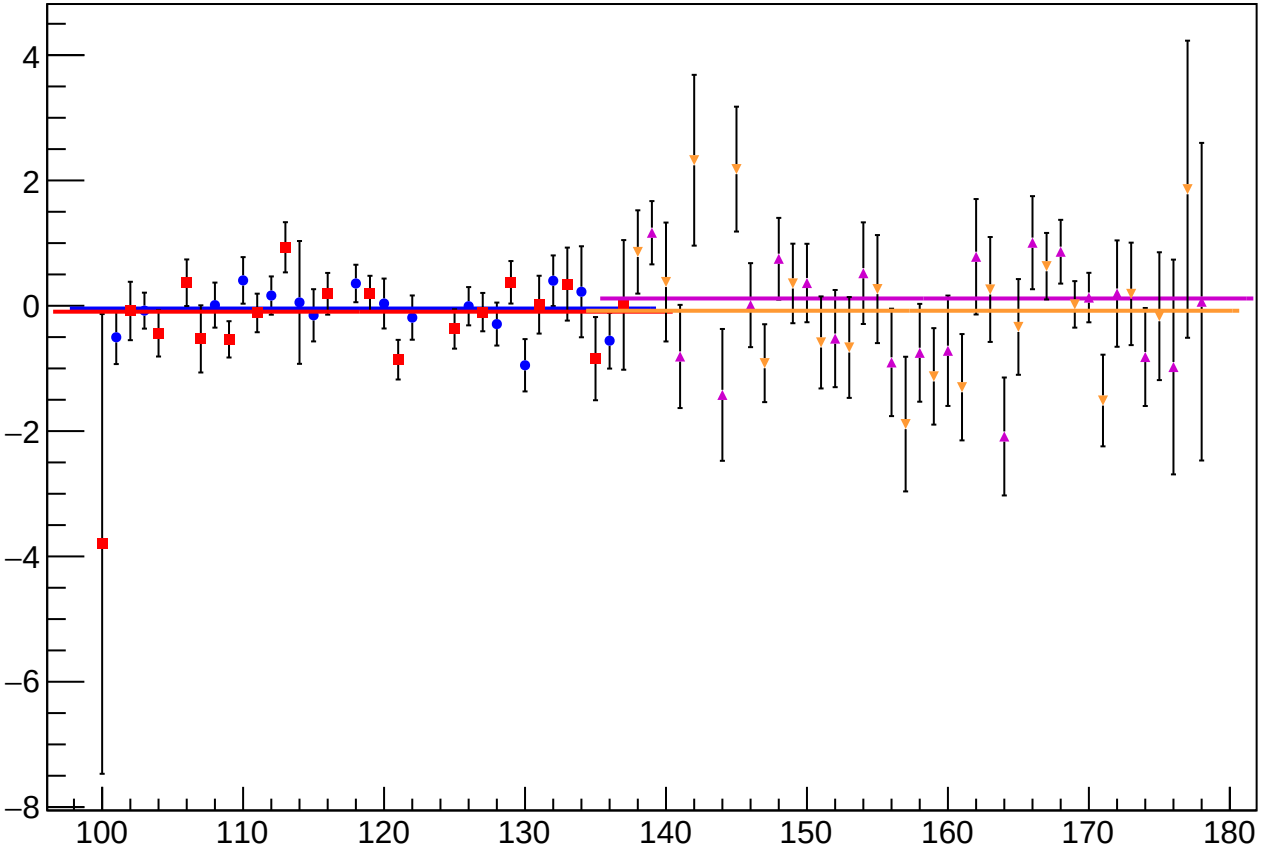
Left In: 604.584+/-0.113 χ^2/NDF:3356204.4/19

+ sign 329.107+/-0.058 χ^2/NDF: 11537872.1/35

All: 321.610+/-0.040 χ^2/NDF: 24371586.6/73

- sign 314.641+/-0.056 χ^2/NDF: 12801010.2/37

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.079+/-0.164 χ^2/NDF:27.5/19

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

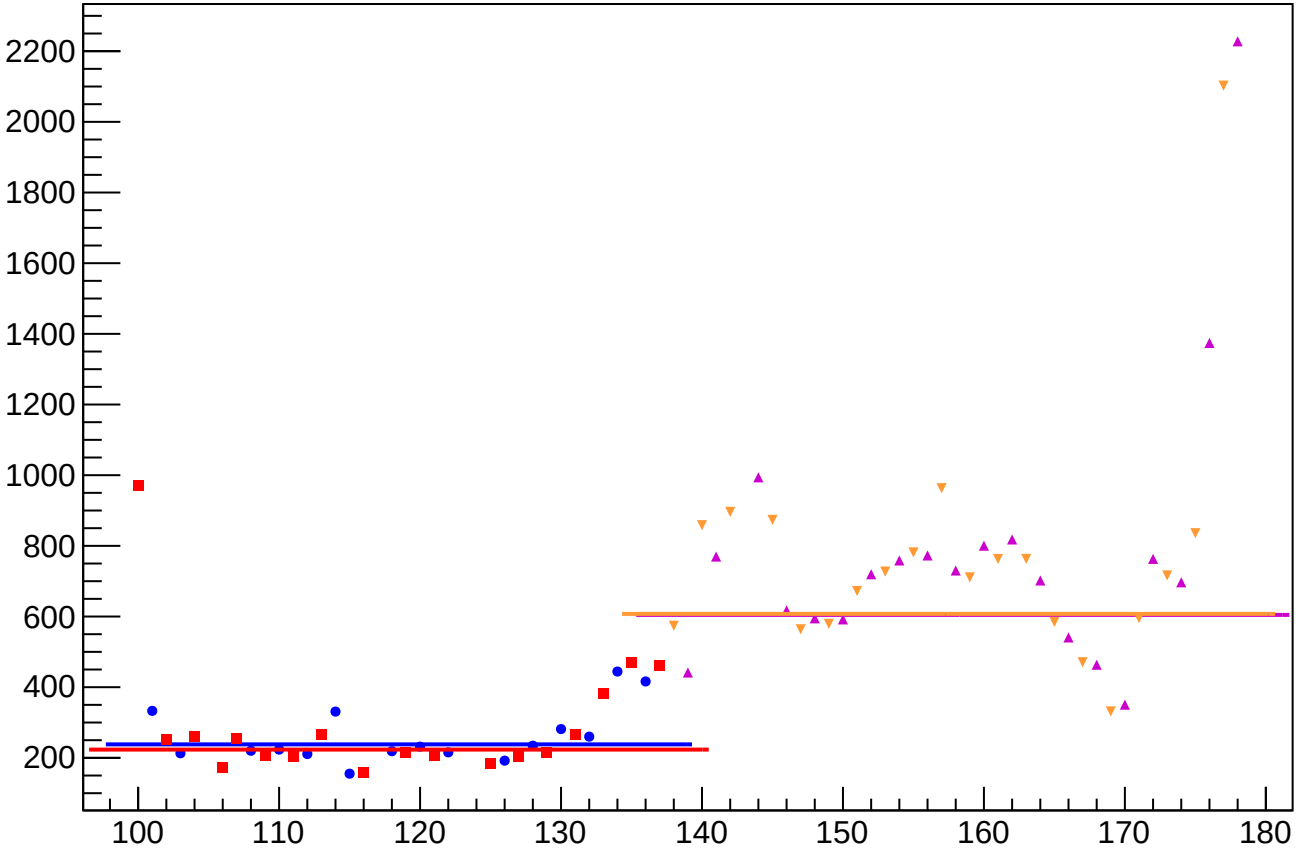
Left In: 0.116+/-0.160 χ^2/NDF:24.8/19

+ sign -0.053+/-0.081 χ^2/NDF: 40.6/35

All: -0.048+/-0.057 χ^2/NDF: 91.9/73

- sign -0.044+/-0.079 χ^2/NDF: 51.3/37

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 607.460+/-0.116 χ^2/NDF:3096338.5/19

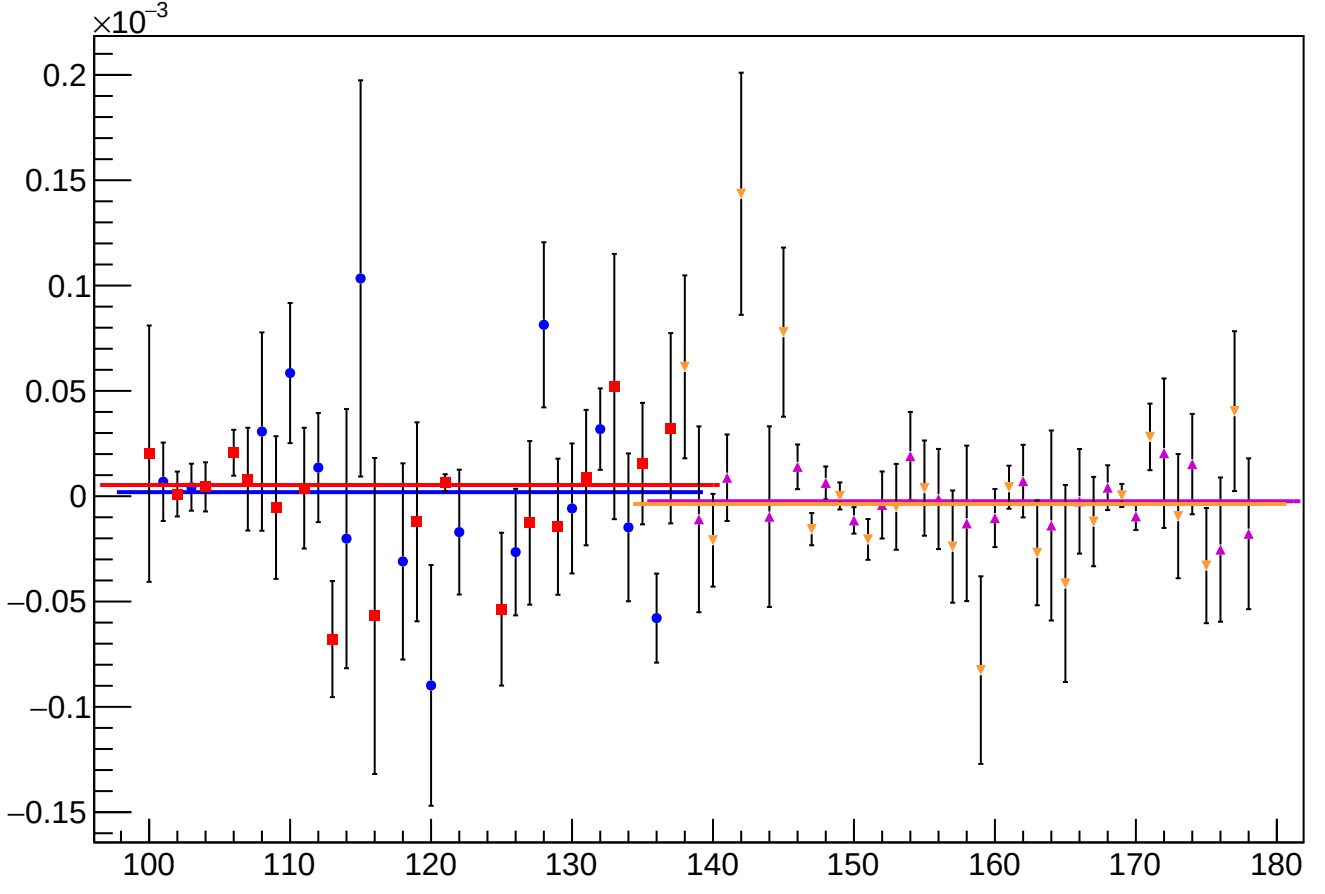
Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 604.584+/-0.113 χ^2/NDF:3356204.4/19

+ sign 329.107+/-0.058 χ^2/NDF: 11537872.1/35

All: 321.610+/-0.040 χ^2/NDF: 24371586.6/73

- sign 314.641+/-0.056 χ^2/NDF: 12801010.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.6/19

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

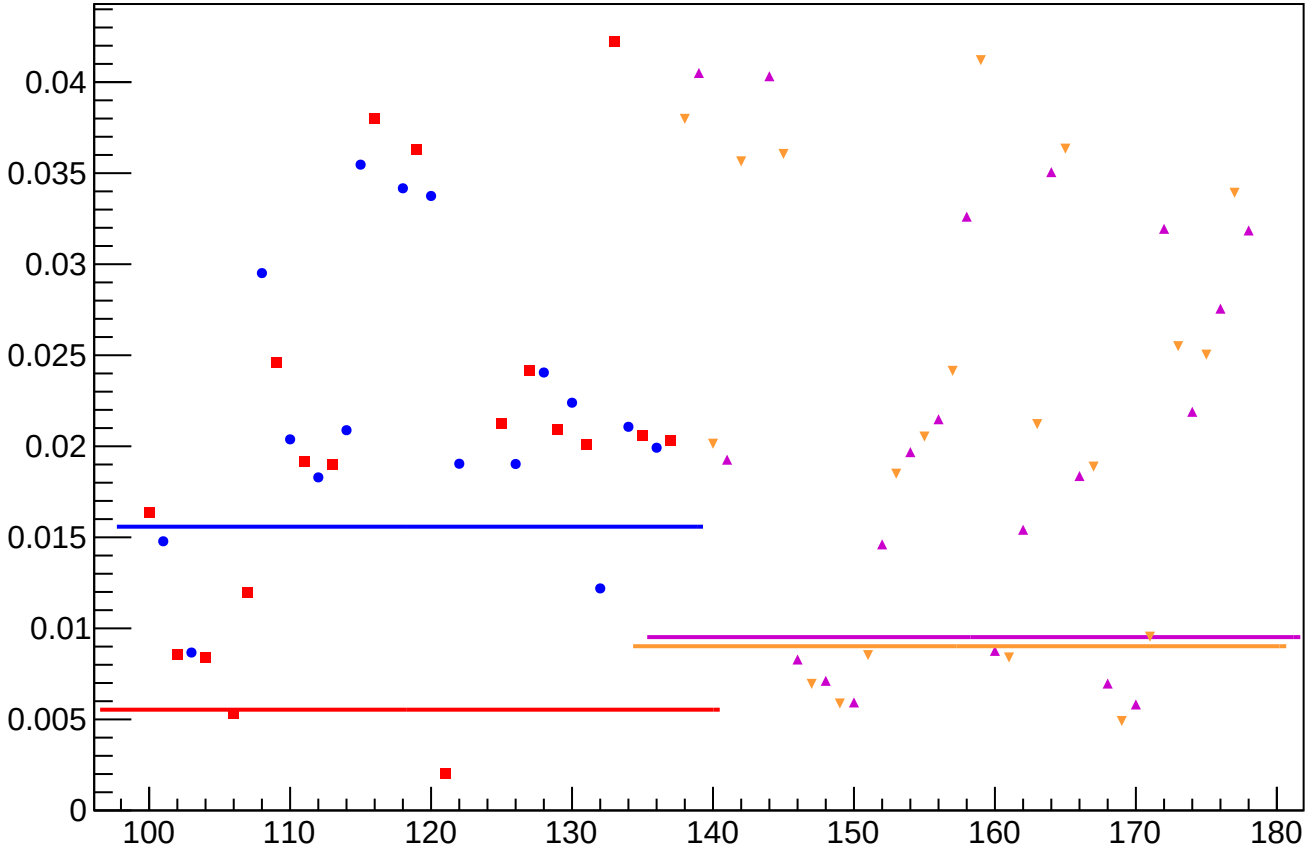
Left In: -0.000+/-0.000 χ^2/NDF:11.1/19

+ sign -0.000+/-0.000 χ^2/NDF: 57.3/35

All: -0.000+/-0.000 χ^2/NDF: 87.3/73

- sign 0.000+/-0.000 χ^2/NDF: 28.7/37

asym_atl2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

Left Out: 0.009+/-0.000 χ^2/NDF:10909404.0/19

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

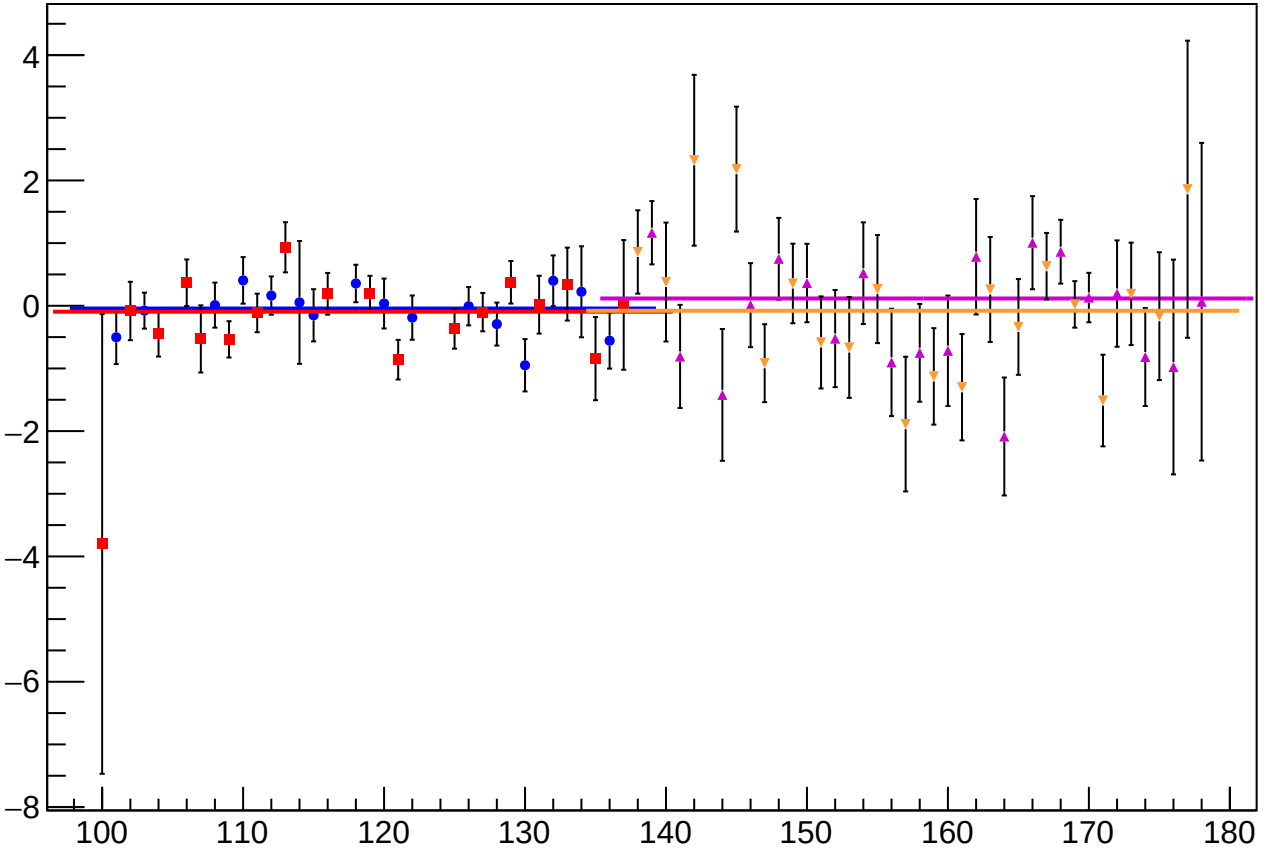
Left In: 0.010+/-0.000 χ^2/NDF:9875802.6/19

+ sign 0.010+/-0.000 χ^2/NDF: 14733791.4/35

All: 0.009+/-0.000 χ^2/NDF: 35277169.1/73

- sign 0.008+/-0.000 χ^2/NDF: 19478950.6/37

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.079+/-0.164 χ^2/NDF:27.5/19

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

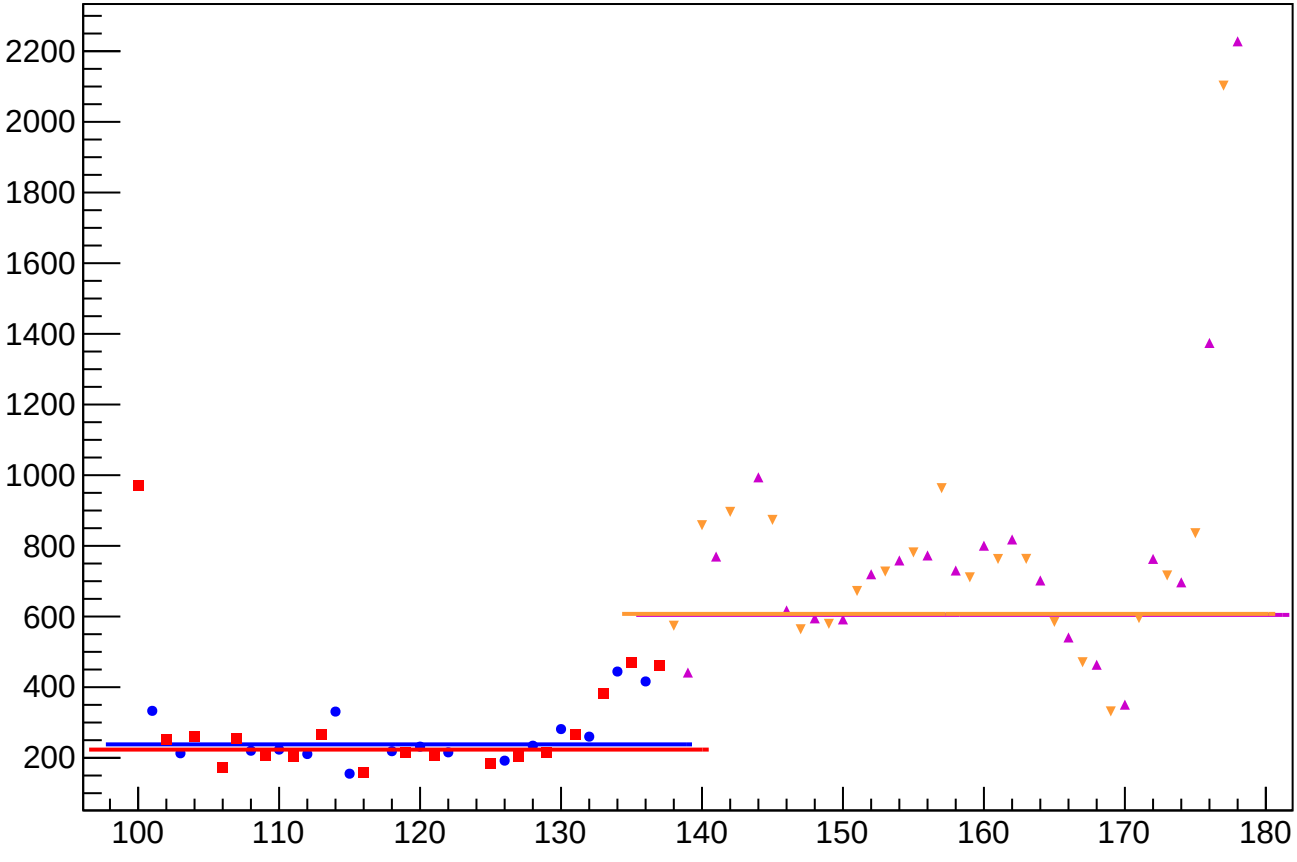
Left In: 0.116+/-0.160 χ^2/NDF:24.8/19

+ sign -0.053+/-0.081 χ^2/NDF: 40.6/35

All: -0.048+/-0.057 χ^2/NDF: 91.9/73

- sign -0.044+/-0.079 χ^2/NDF: 51.3/37

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 607.463+/-0.116 χ^2/NDF:3096392.7/19

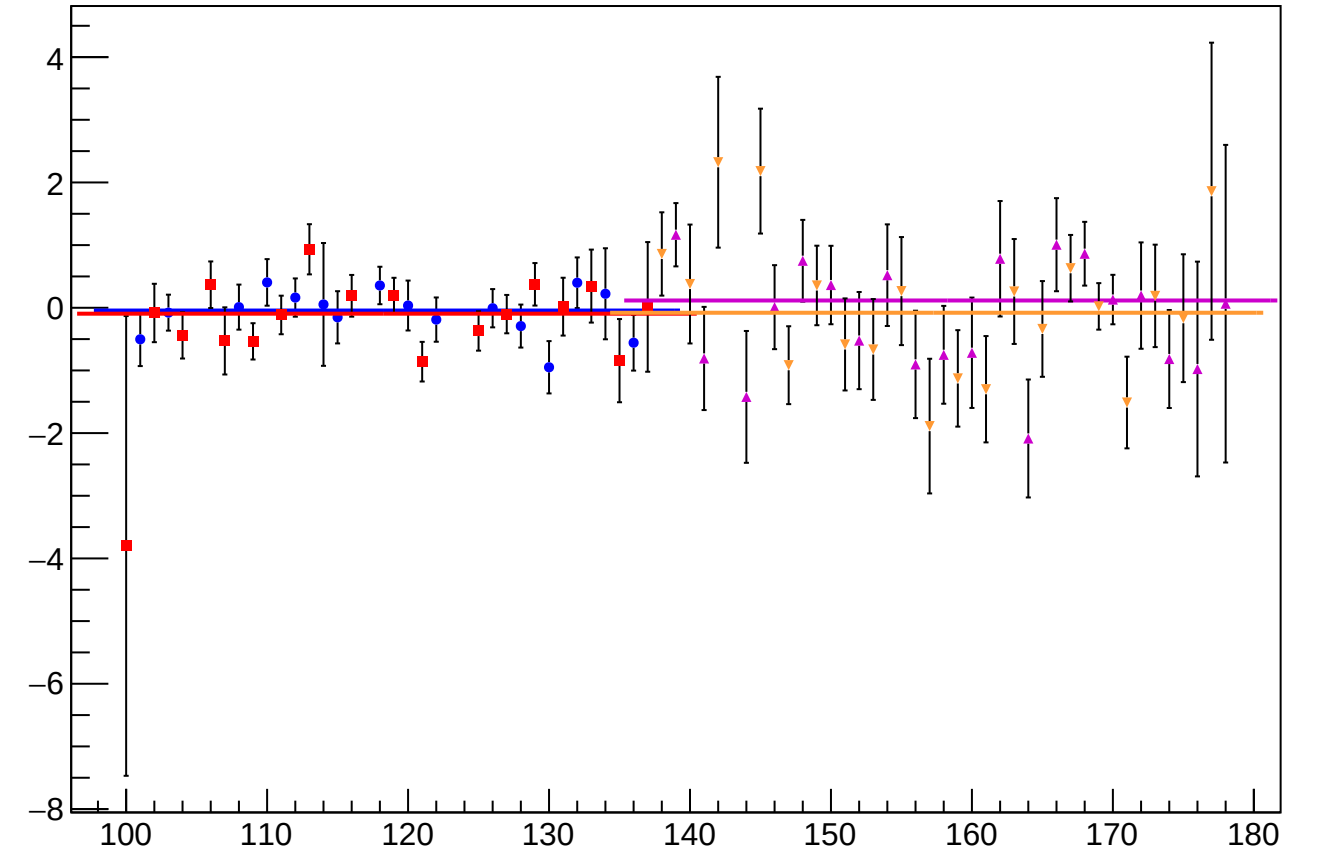
Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 604.590+/-0.113 χ^2/NDF:3356184.8/19

+ sign 329.108+/-0.058 χ^2/NDF: 11537925.1/35

All: 321.612+/-0.040 χ^2/NDF: 24371616.5/73

- sign 314.643+/-0.056 χ^2/NDF: 12800991.7/37



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.079+/-0.164 χ^2/NDF:27.5/19

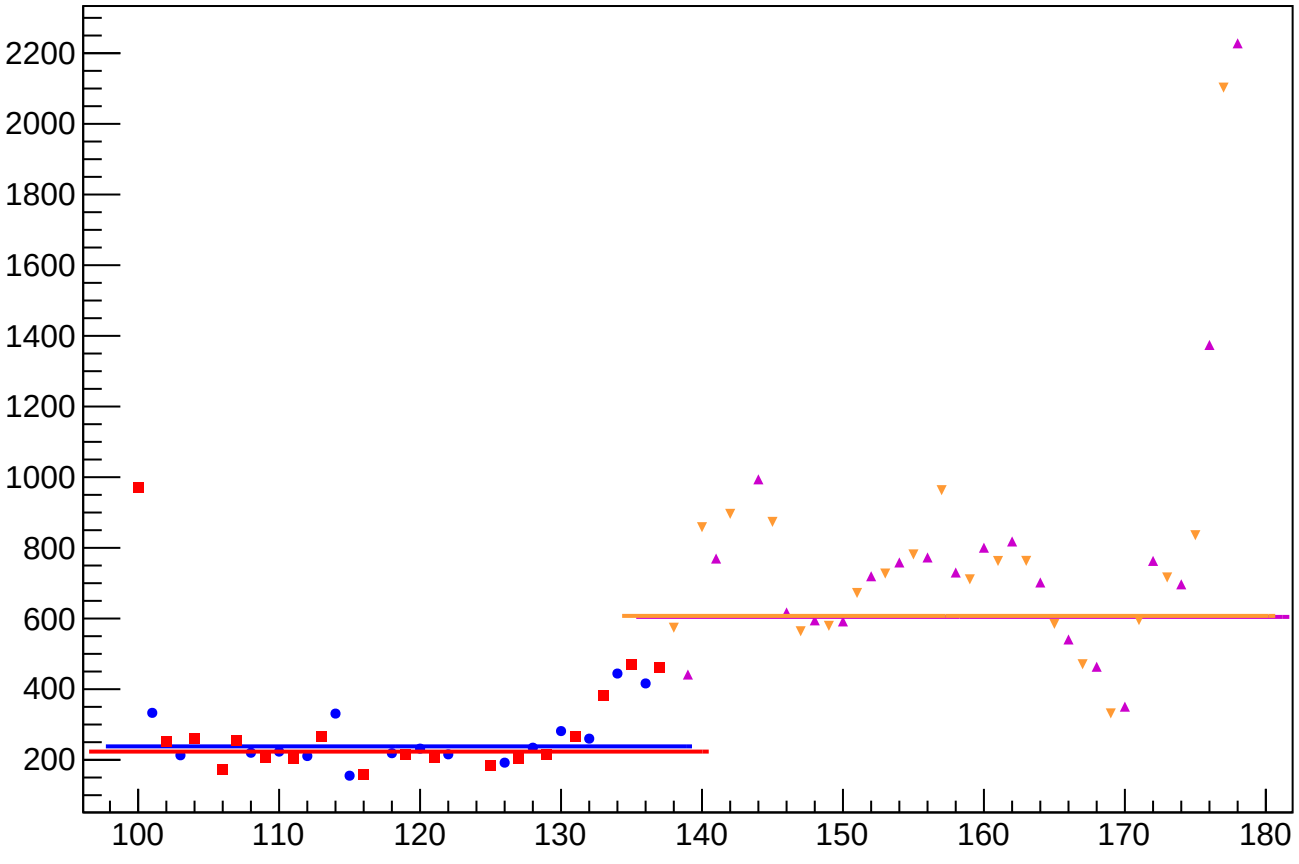
Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: 0.116+/-0.160 χ^2/NDF:24.8/19

+ sign -0.053+/-0.081 χ^2/NDF: 40.6/35

All: -0.048+/-0.057 χ^2/NDF: 91.9/73

- sign -0.044+/-0.079 χ^2/NDF: 51.3/37



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 607.463+/-0.116 χ^2/NDF:3096392.7/19

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

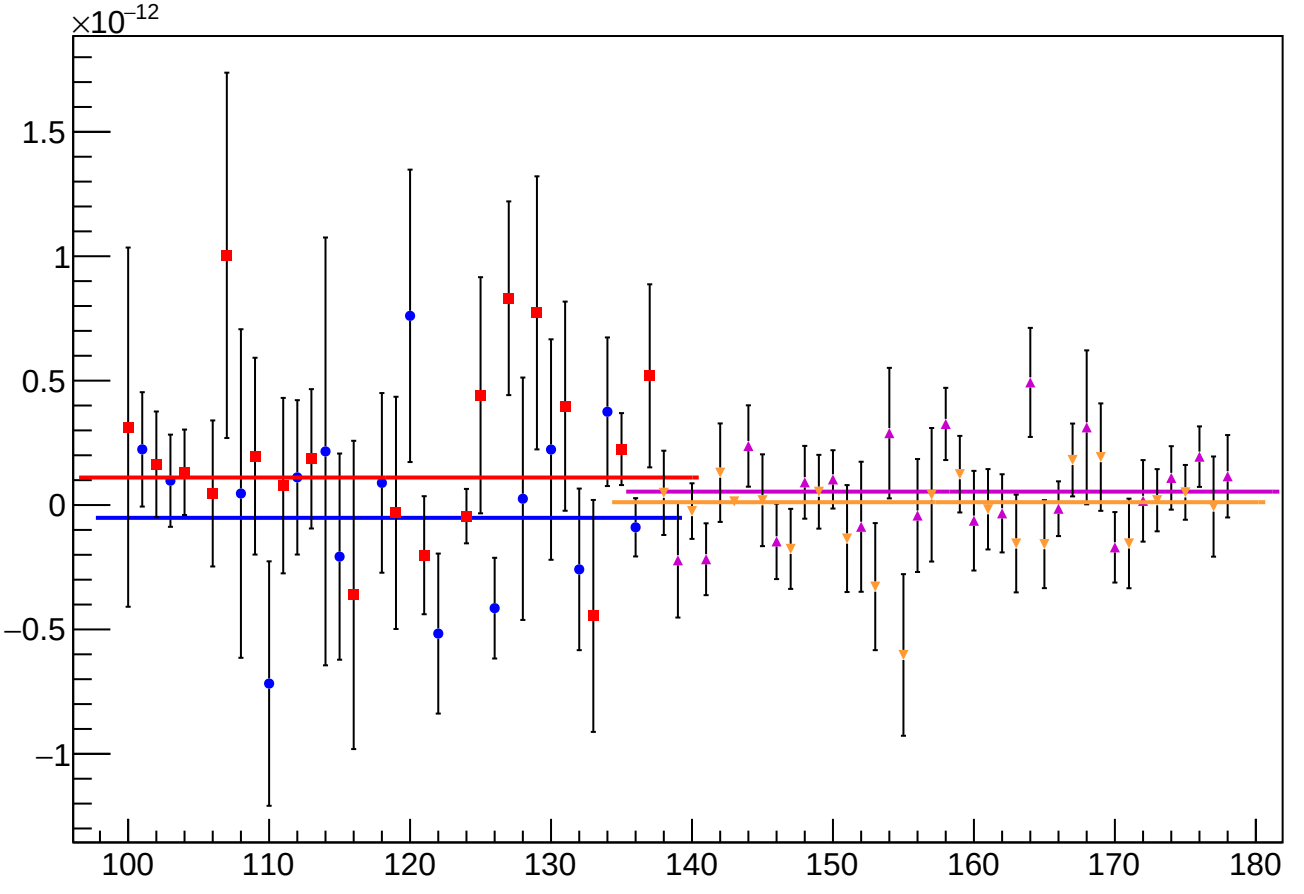
Left In: 604.590+/-0.113 χ^2/NDF:3356184.8/19

+ sign 329.108+/-0.058 χ^2/NDF: 11537925.1/35

All: 321.612+/-0.040 χ^2/NDF: 24371616.5/73

- sign 314.643+/-0.056 χ^2/NDF: 12800991.7/37

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:13.0/20

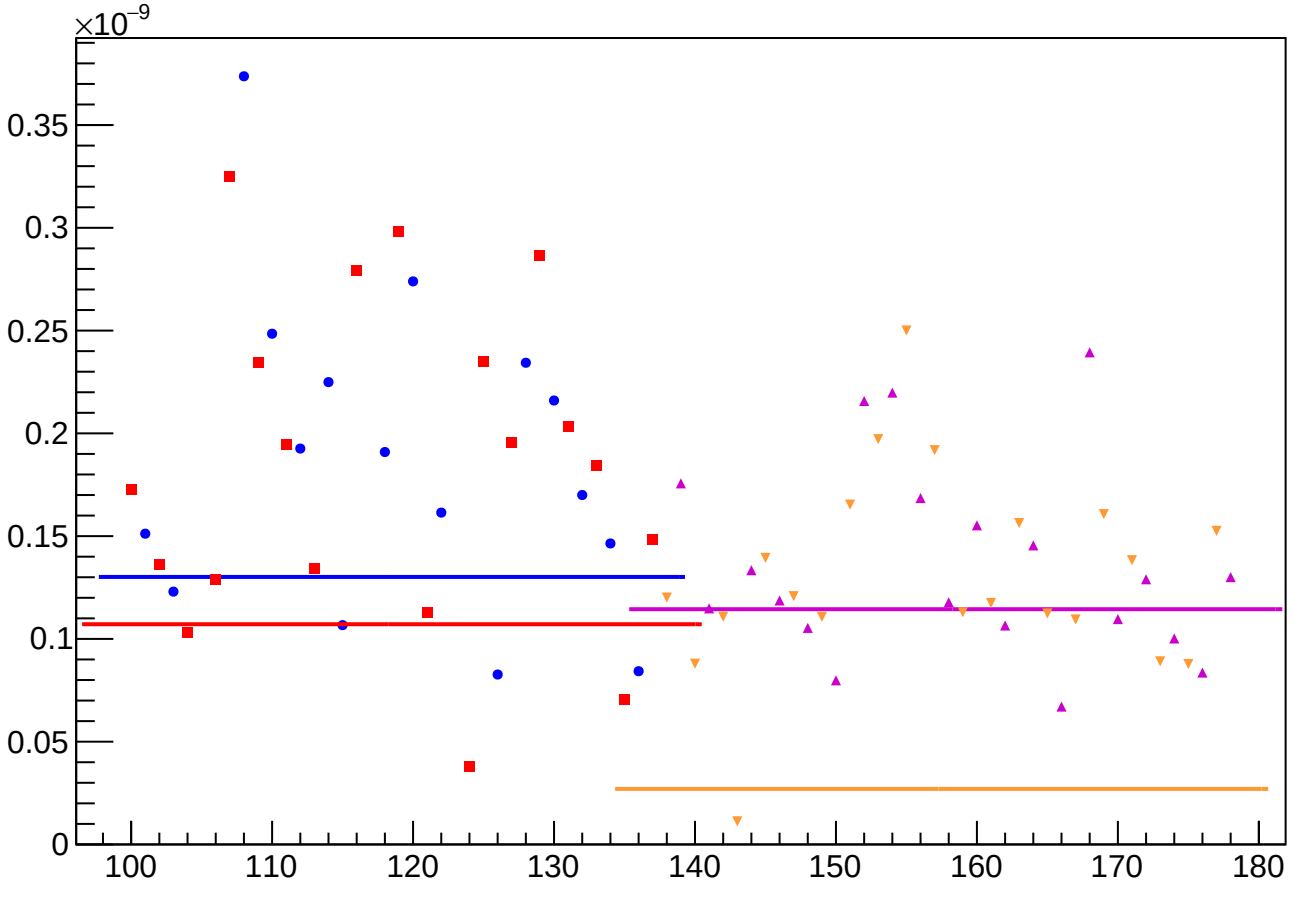
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:23.0/19

+ sign 0.000+/-0.000 χ^2/NDF: 28.7/36

All: 0.000+/-0.000 χ^2/NDF: 70.9/75

- sign 0.000+/-0.000 χ^2/NDF: 39.0/38



Right In: 0.000+/-0.000 χ^2/NDF: 1334266.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:15752066.5/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2656168.1/18

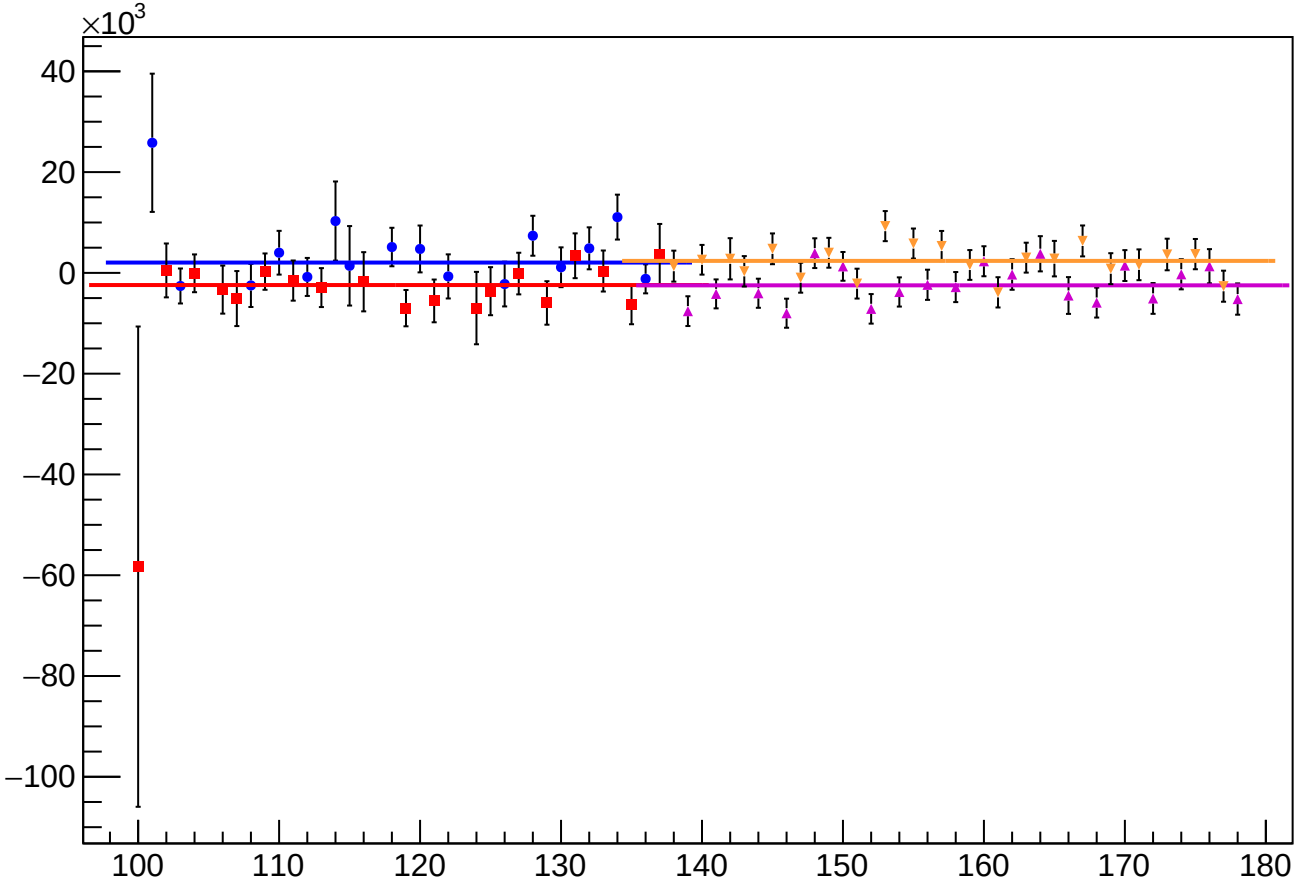
Left In: 0.000+/-0.000 χ^2/NDF:2104386.6/19

+ sign 0.000+/-0.000 χ^2/NDF: 21557631.5/36

All: 0.000+/-0.000 χ^2/NDF: 38101330.9/75

- sign 0.000+/-0.000 χ^2/NDF: 4783084.9/38

reg_asym_atr1_mean vs Slug



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2380.760+/-669.445 χ^2/NDF:22.2/20

Right Out: -2411.858+/-1035.471 χ^2/NDF: 10.8/18

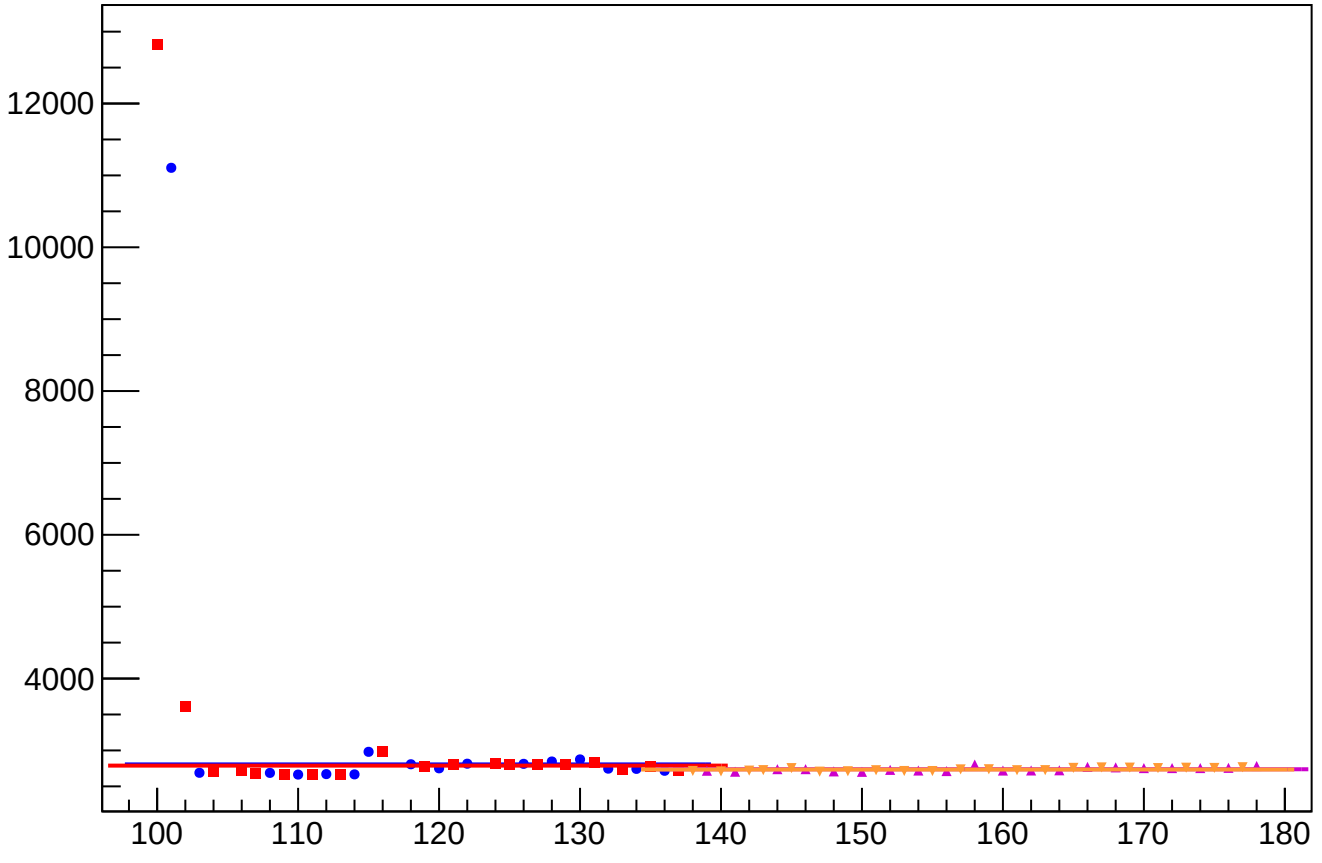
Left In: -2470.247+/-677.263 χ^2/NDF:29.3/19

+ sign 2287.618+/-567.581 χ^2/NDF: 40.1/36

All: -85.866+/-401.061 χ^2/NDF: 115.1/75

- sign -2452.753+/-566.792 χ^2/NDF: 40.1/38

reg_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2734.267+/-0.473 χ^2/NDF:1900.5/20

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

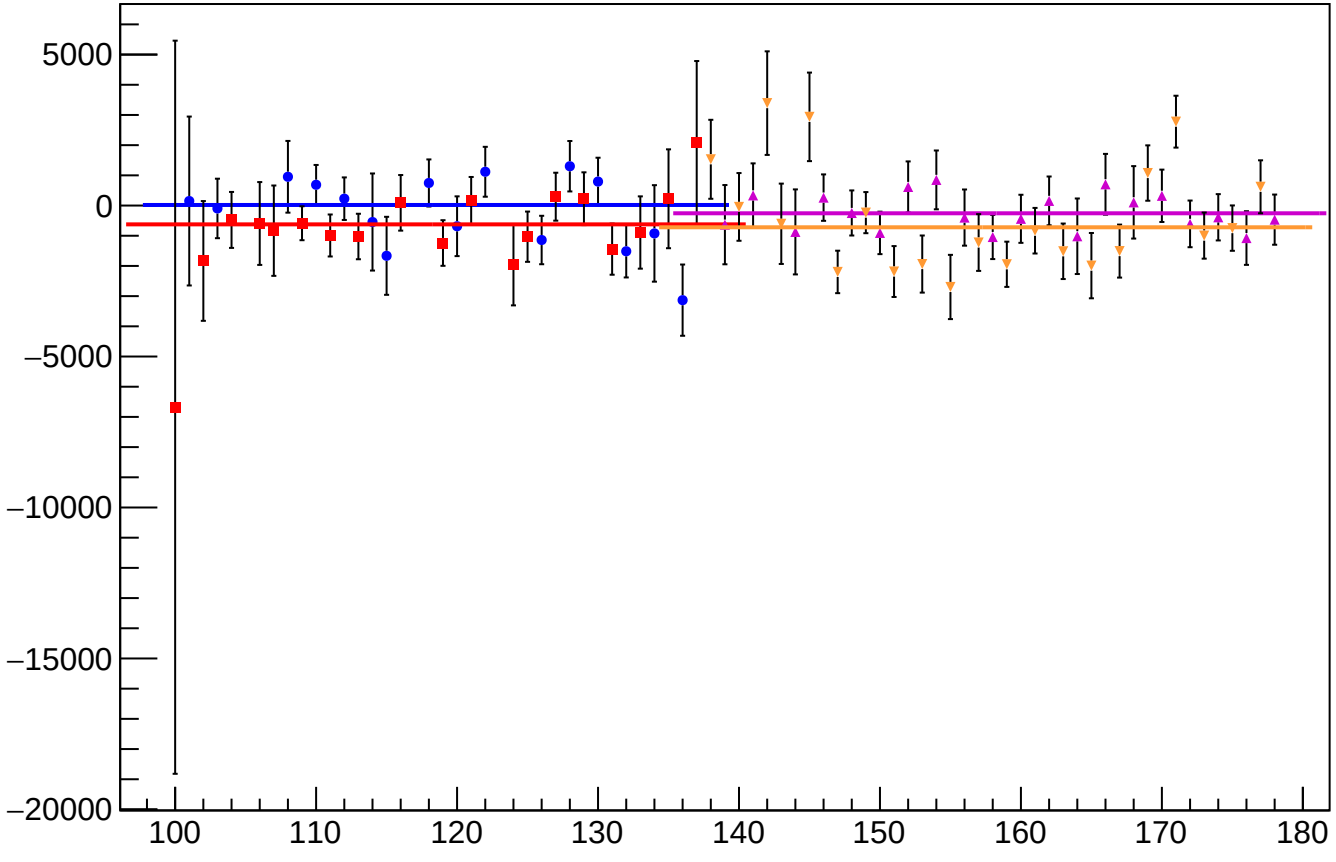
Left In: 2738.084+/-0.479 χ^2/NDF:3233.9/19

+ sign 2754.281+/-0.401 χ^2/NDF: 754498.3/36

All: 2753.782+/-0.284 χ^2/NDF: 908096.5/75

- sign 2753.286+/-0.401 χ^2/NDF: 153595.2/38

asym_atr1_reg_correction_mean vs Slug



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: -720.058+/-197.342 χ^2/NDF:57.2/20

Right Out: -623.107+/-215.948 χ^2/NDF: 9.3/18

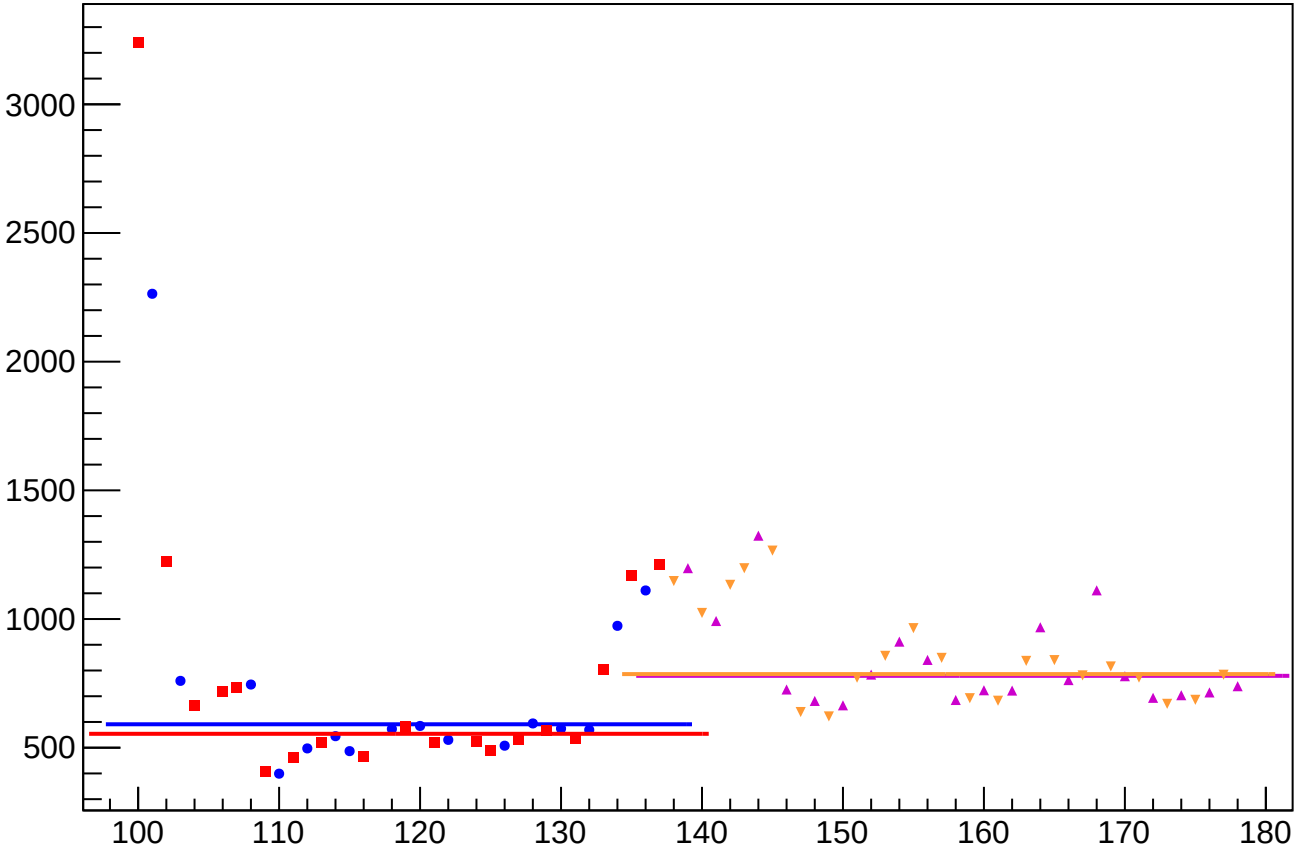
Left In: -256.103+/-196.797 χ^2/NDF:8.7/19

\+ sign -412.102+/-150.718 χ^2/NDF: 85.8/36

All: -417.544+/-104.664 χ^2/NDF: 105.3/75

\- sign -422.613+/-145.457 χ^2/NDF: 19.6/38

asym_atr1_reg_correction_rms vs Slug



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 786.014+/-0.140 χ^2/NDF:1175420.6/20

Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

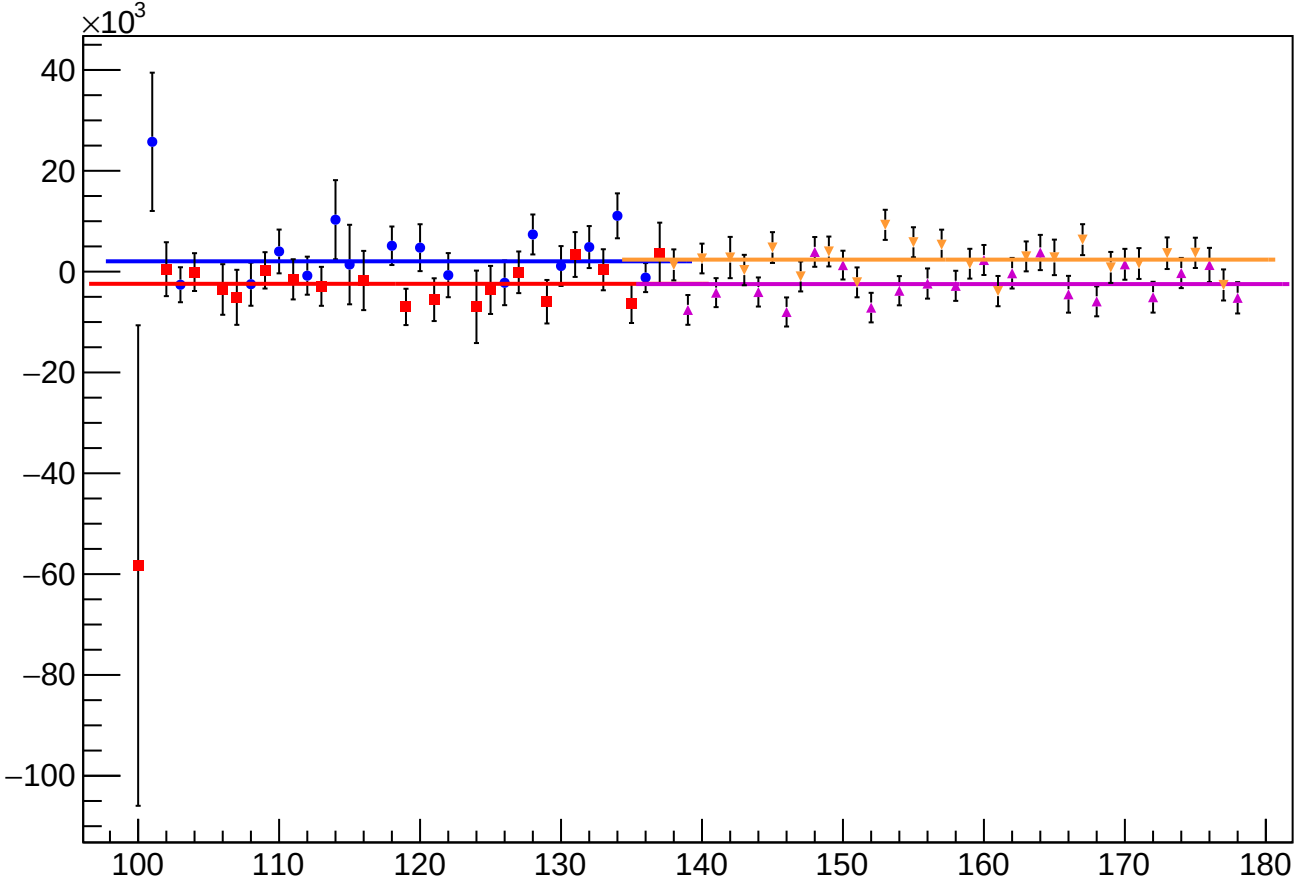
Left In: 779.278+/-0.139 χ^2/NDF:1037578.1/19

+ sign 704.769+/-0.107 χ^2/NDF: 3556594.8/36

All: 690.423+/-0.074 χ^2/NDF: 6935325.6/75

- sign 677.061+/-0.103 χ^2/NDF: 3343732.3/38

cor_asym_atr1_mean vs Slug



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2380.781+/-669.445 χ^2/NDF:22.2/20

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

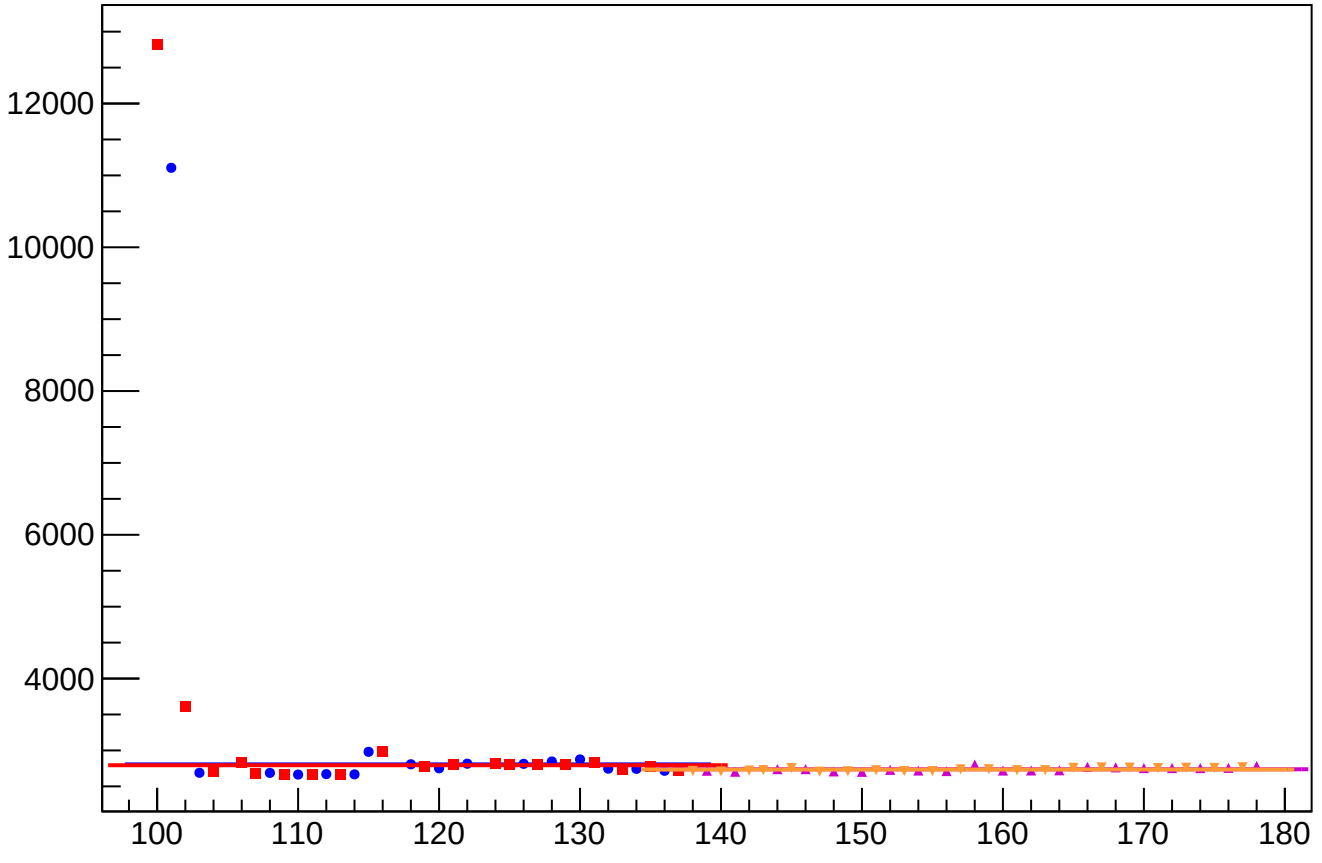
Left In: -2470.337+/-677.263 χ^2/NDF:29.3/19

+ sign 2287.407+/-567.581 χ^2/NDF: 40.0/36

All: -85.304+/-401.199 χ^2/NDF: 115.1/75

- sign -2454.679+/-567.182 χ^2/NDF: 40.1/38

cor_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2734.268+/-0.473 χ^2/NDF:1900.5/20

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

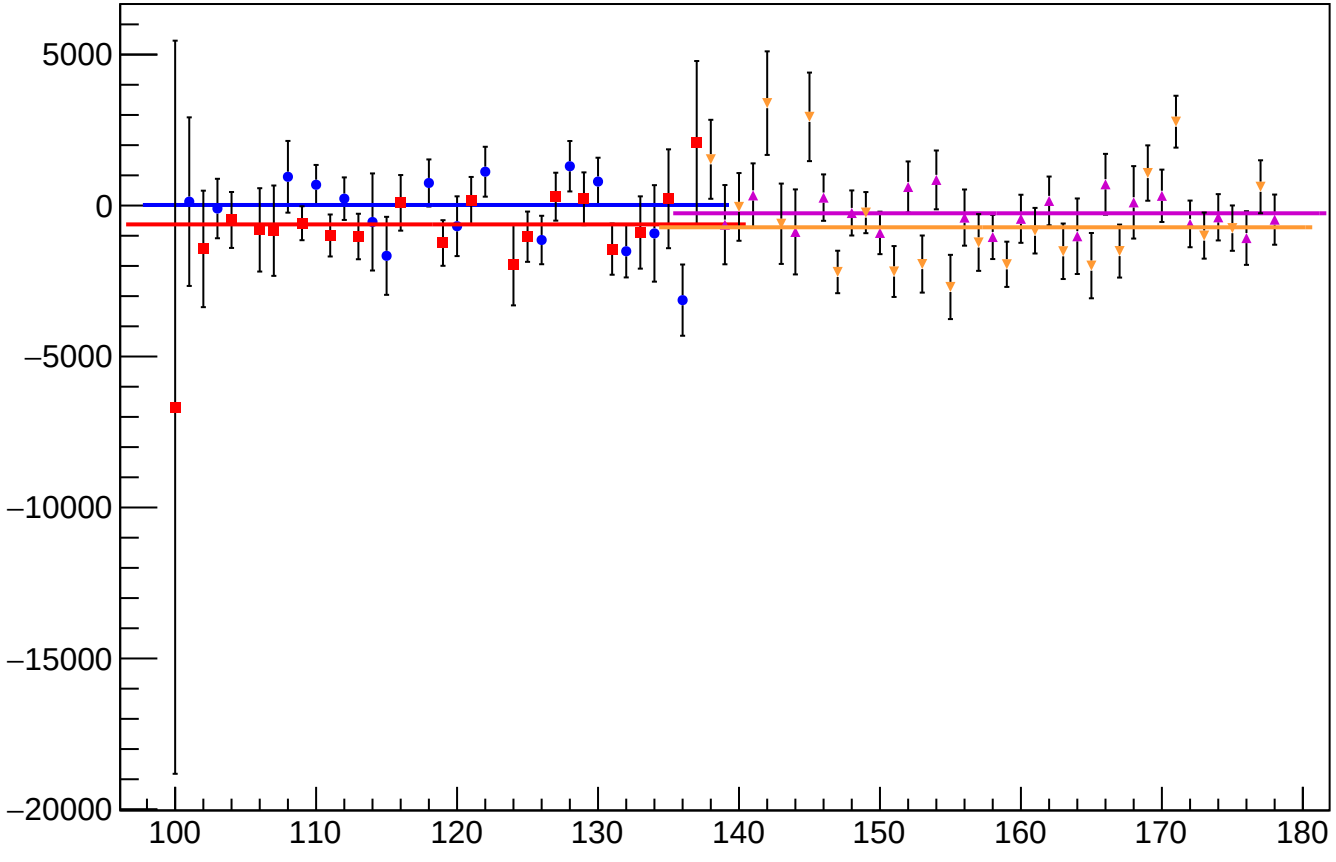
Left In: 2738.084+/-0.479 χ^2/NDF:3233.9/19

+ sign 2754.281+/-0.401 χ^2/NDF: 754497.4/36

All: 2754.556+/-0.284 χ^2/NDF: 908570.9/75

- sign 2754.831+/-0.401 χ^2/NDF: 154072.6/38

asym_atr1_cor_correction_mean vs Slug



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -719.984+/-197.341 χ^2/NDF:57.2/20

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

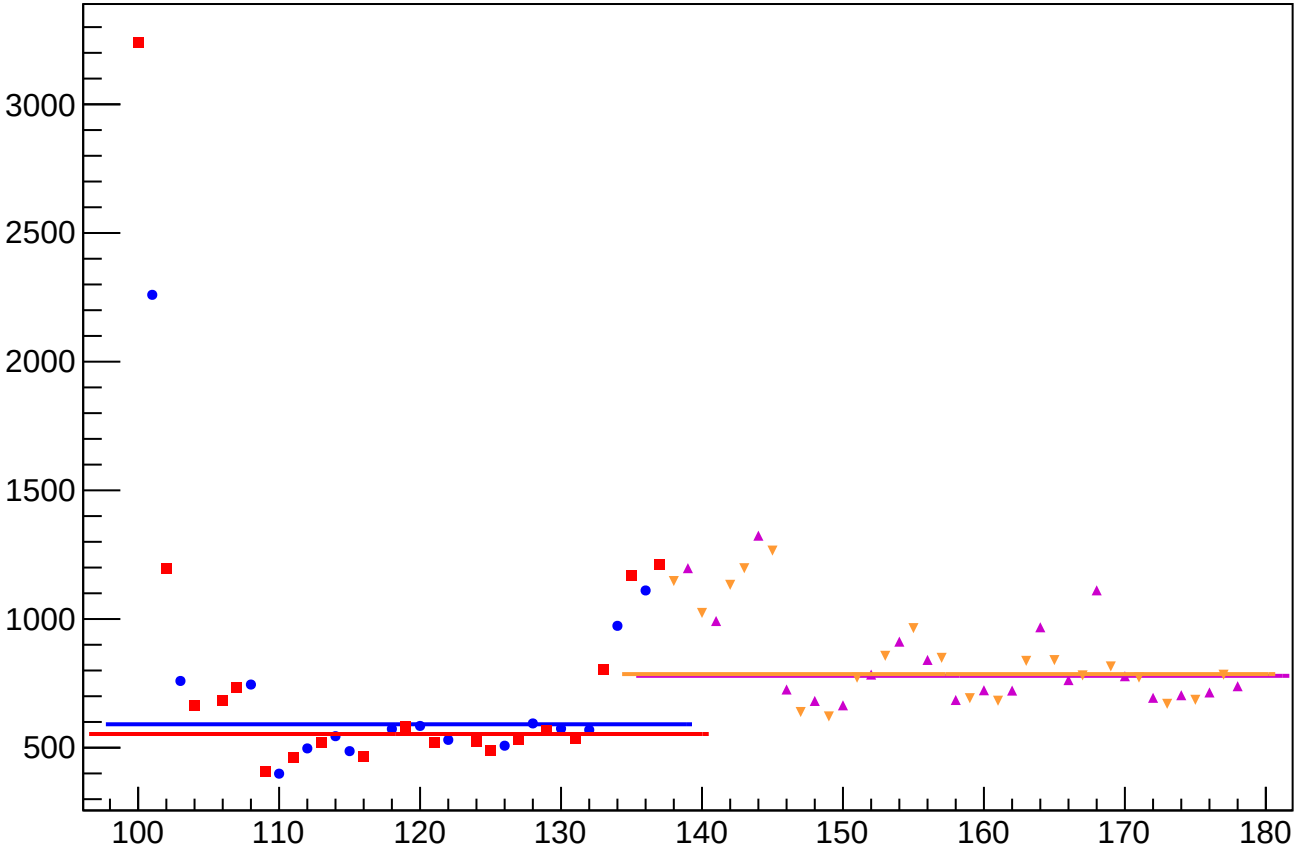
Left In: -256.204+/-196.797 χ^2/NDF:8.7/19

\+ sign -412.059+/-150.715 χ^2/NDF: 85.8/36

All: -417.833+/-104.658 χ^2/NDF: 105.2/75

\- sign -423.211+/-145.443 χ^2/NDF: 19.4/38

asym_atr1_cor_correction_rms vs Slug



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 786.010+/-0.140 χ^2/NDF:1175433.1/20

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

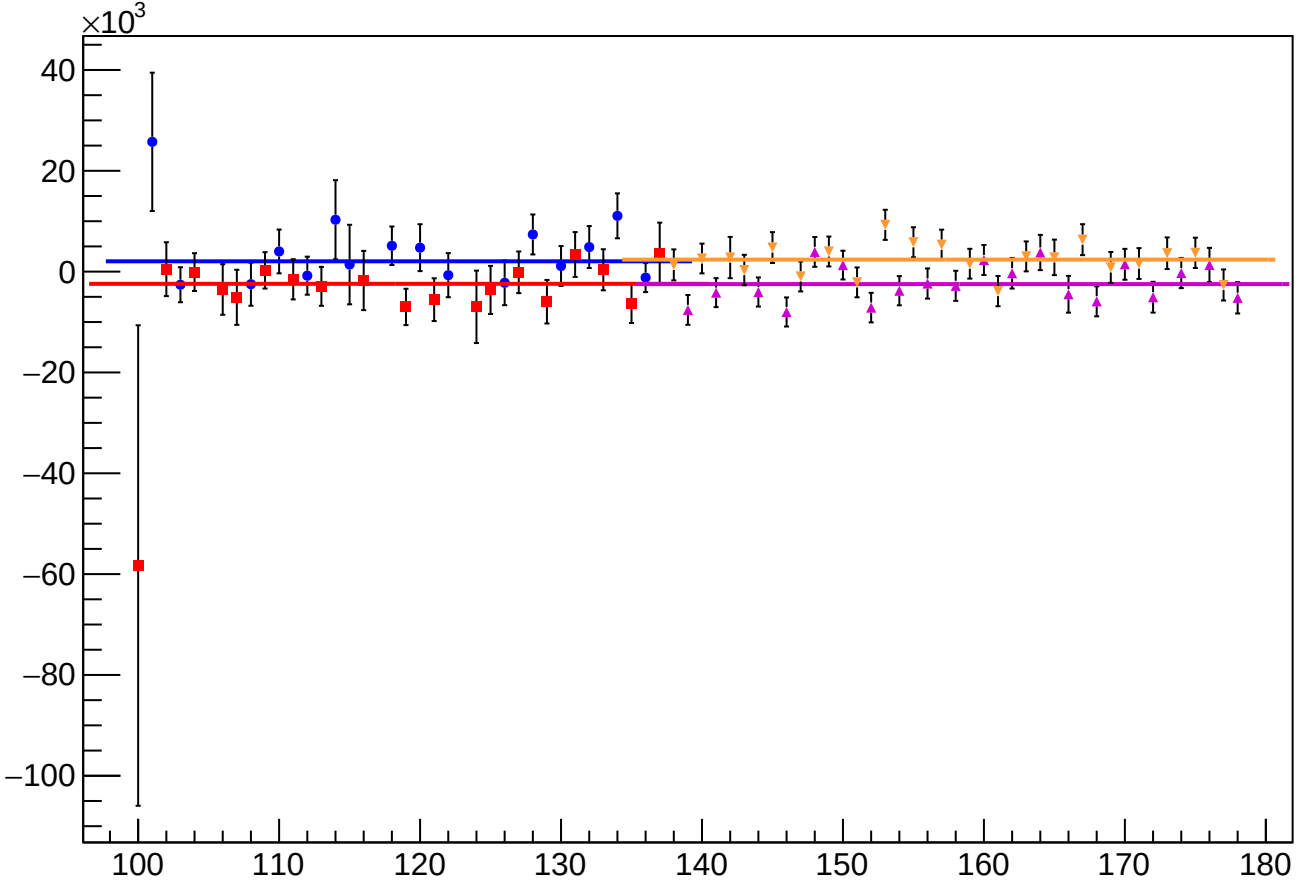
Left In: 779.280+/-0.139 χ^2/NDF:1037513.4/19

+ sign 704.762+/-0.107 χ^2/NDF: 3555608.9/36

All: 690.231+/-0.074 χ^2/NDF: 6928139.5/75

- sign 676.698+/-0.103 χ^2/NDF: 3336624.1/38

eigen_cor_asym_atr1_mean vs Slug



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2380.781+/-669.445 χ^2/NDF:22.2/20

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

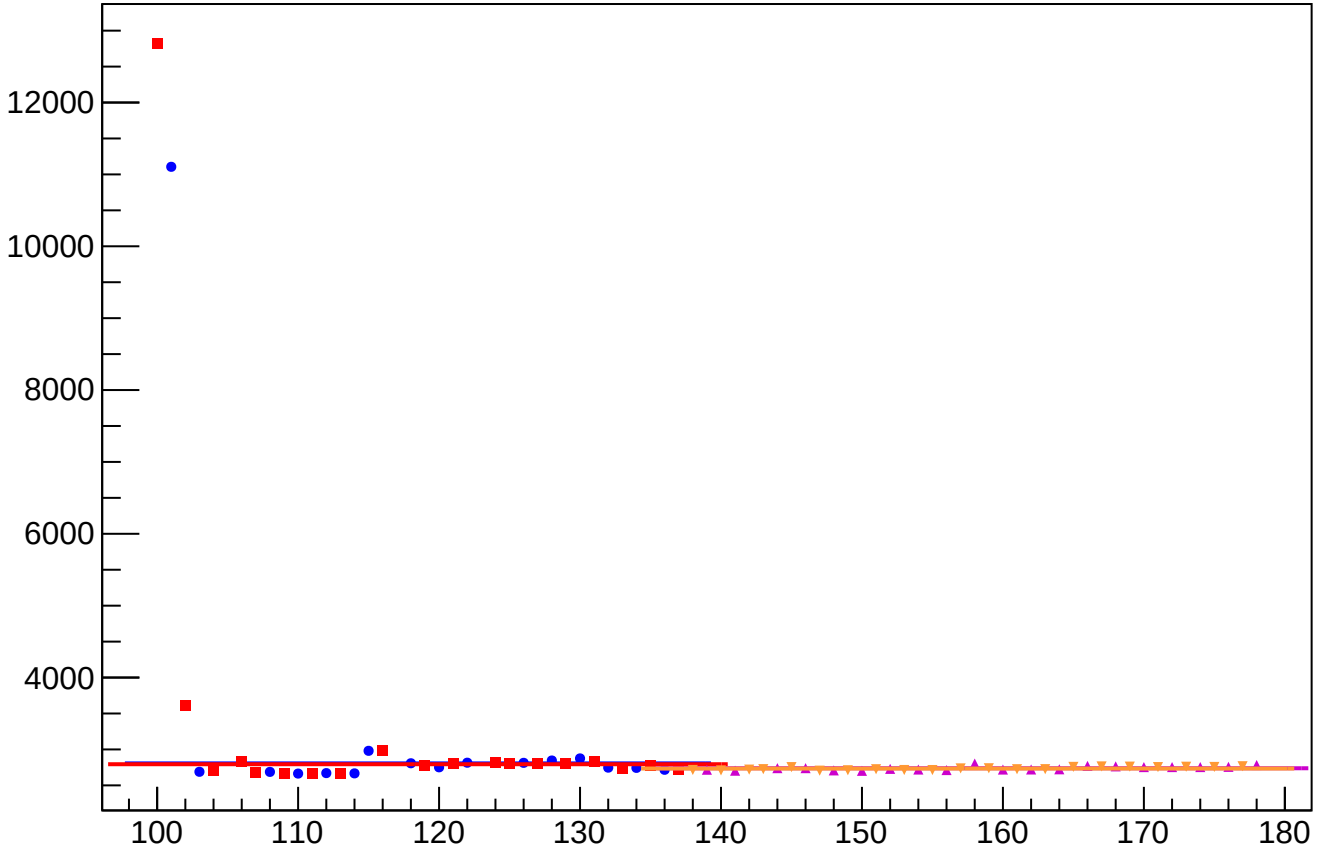
Left In: -2470.337+/-677.263 χ^2/NDF:29.3/19

+ sign 2287.407+/-567.581 χ^2/NDF: 40.0/36

All: -85.304+/-401.199 χ^2/NDF: 115.1/75

- sign -2454.679+/-567.182 χ^2/NDF: 40.1/38

eigen_cor_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2734.268+/-0.473 χ^2/NDF:1900.5/20

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

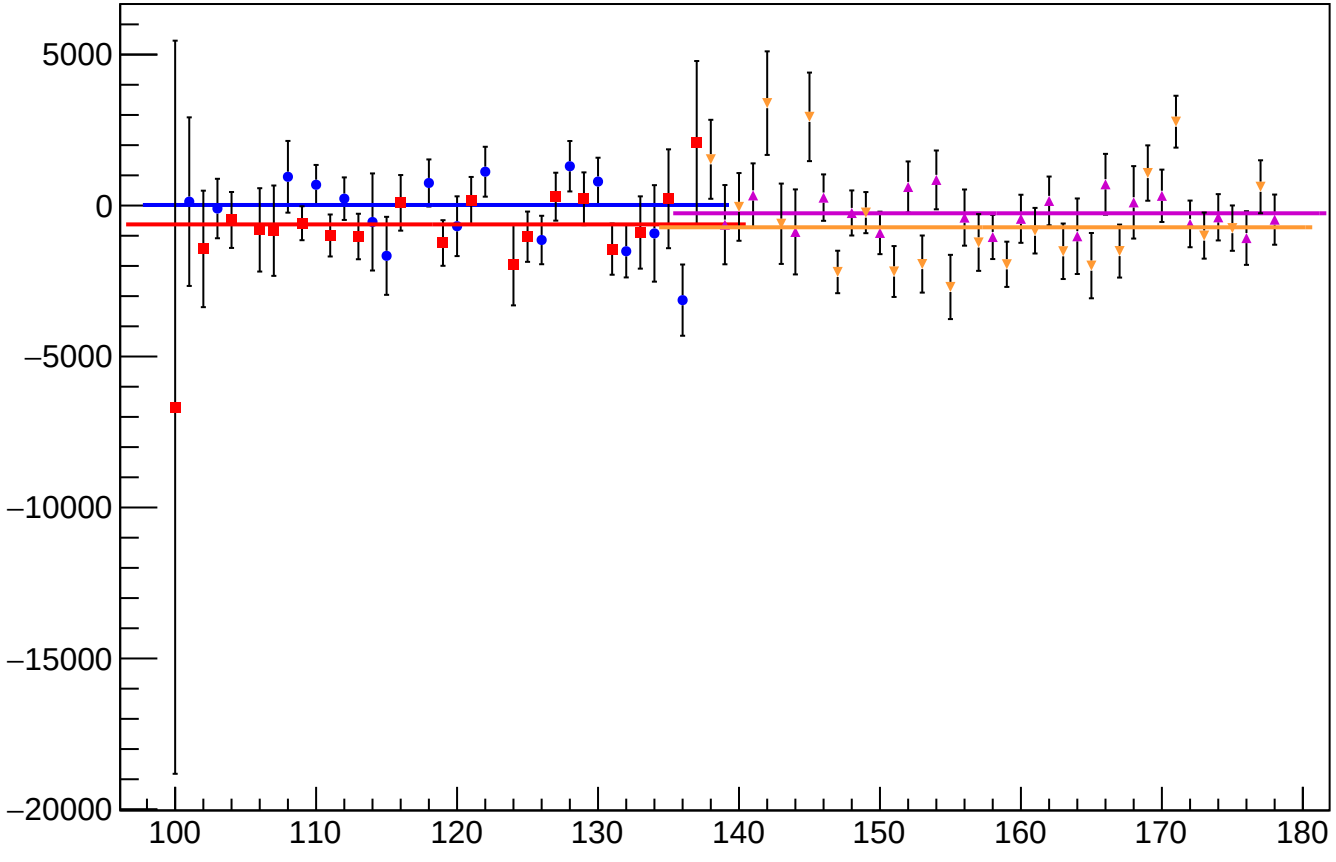
Left In: 2738.084+/-0.479 χ^2/NDF:3233.9/19

+ sign 2754.281+/-0.401 χ^2/NDF: 754497.4/36

All: 2754.556+/-0.284 χ^2/NDF: 908570.9/75

- sign 2754.831+/-0.401 χ^2/NDF: 154072.6/38

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -719.984+/-197.341 χ^2/NDF:57.2/20

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

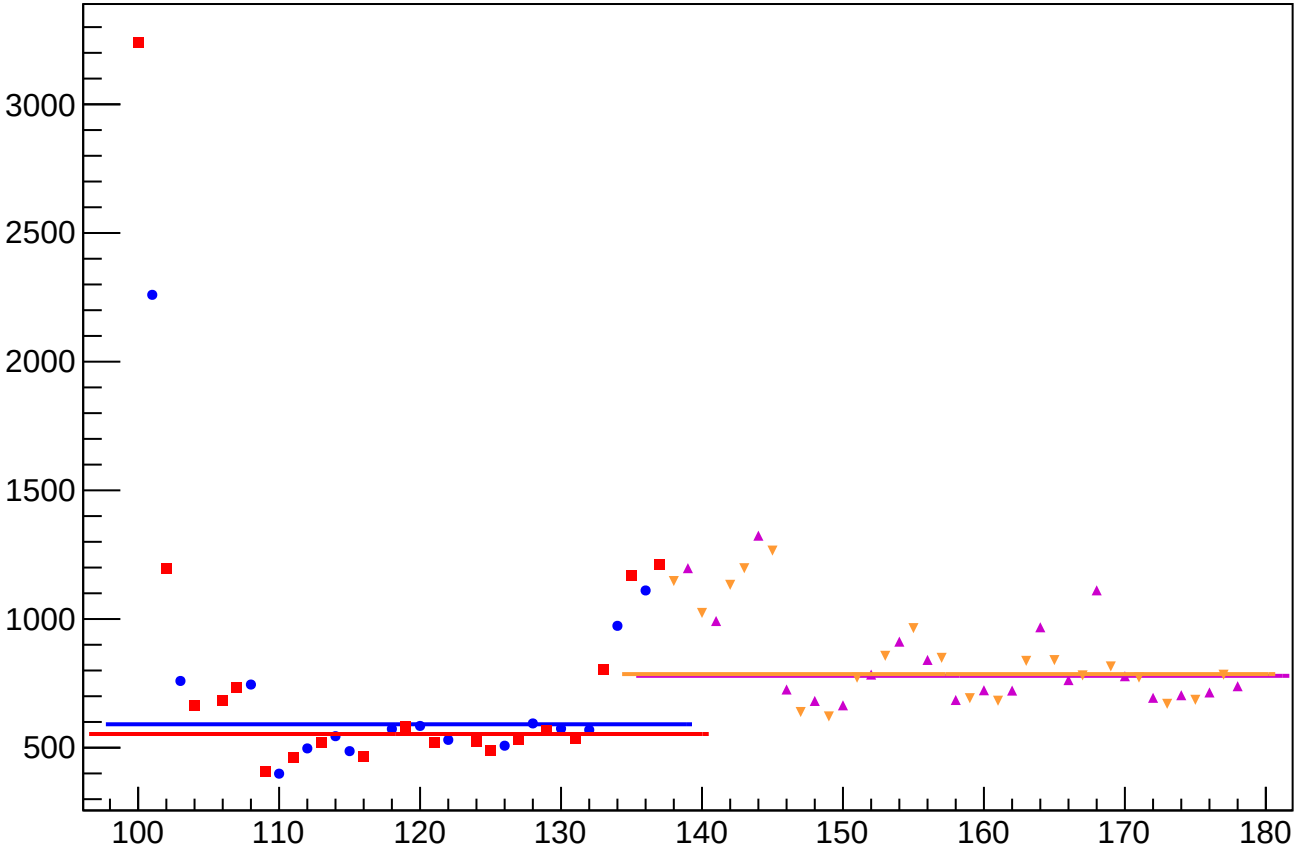
Left In: -256.204+/-196.797 χ^2/NDF:8.7/19

+ sign -412.059+/-150.715 χ^2/NDF: 85.8/36

All: -417.833+/-104.658 χ^2/NDF: 105.2/75

- sign -423.211+/-145.443 χ^2/NDF: 19.4/38

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 786.010+/-0.140 χ^2/NDF:1175433.1/20

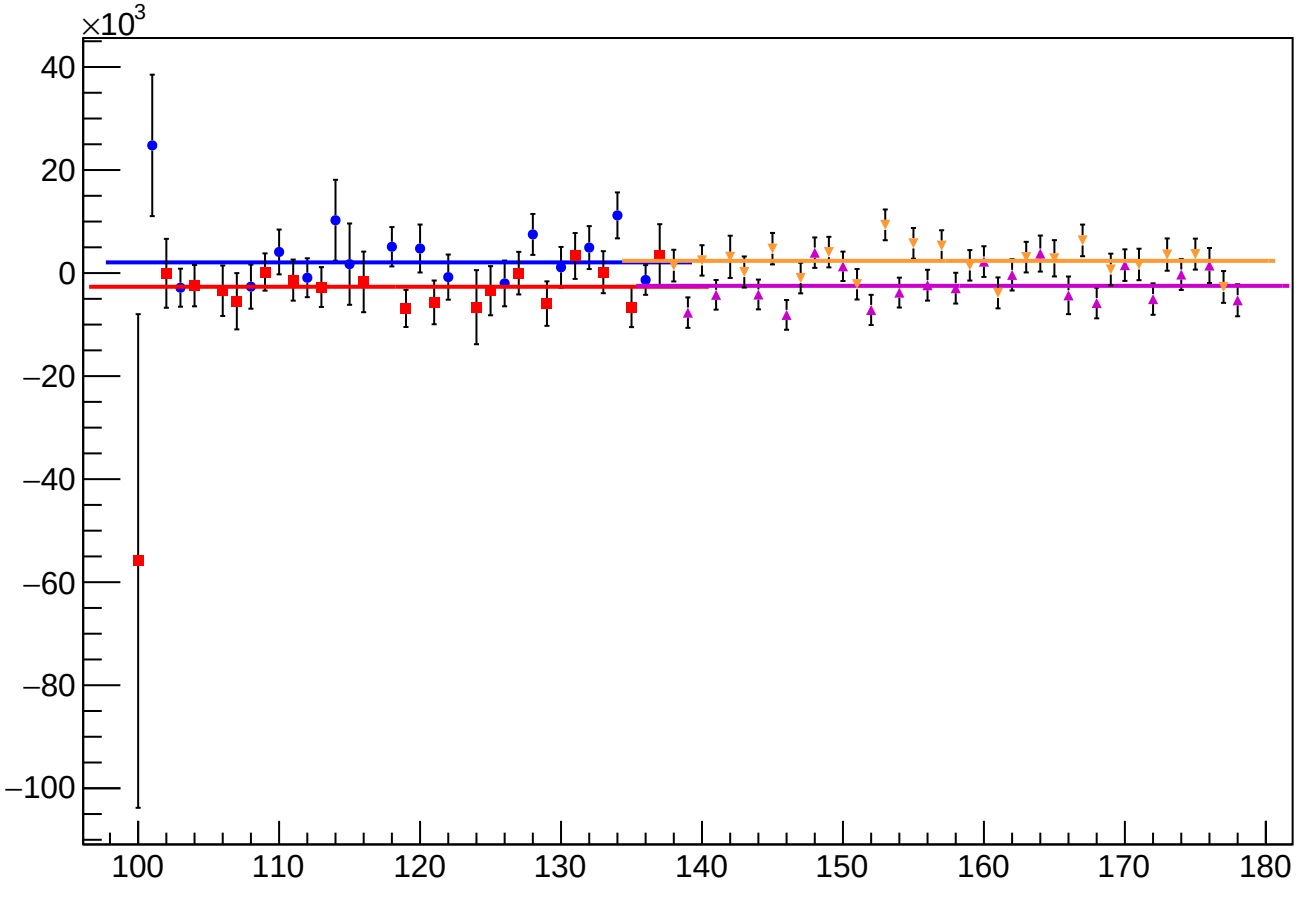
Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 779.280+/-0.139 χ^2/NDF:1037513.4/19

+ sign 704.762+/-0.107 χ^2/NDF: 3555608.9/36

All: 690.231+/-0.074 χ^2/NDF: 6928139.5/75

- sign 676.698+/-0.103 χ^2/NDF: 3336624.1/38



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2373.008+/-669.896 χ^2/NDF:22.4/20

Right Out: -2657.301+/-1049.868 χ^2/NDF: 9.9/18

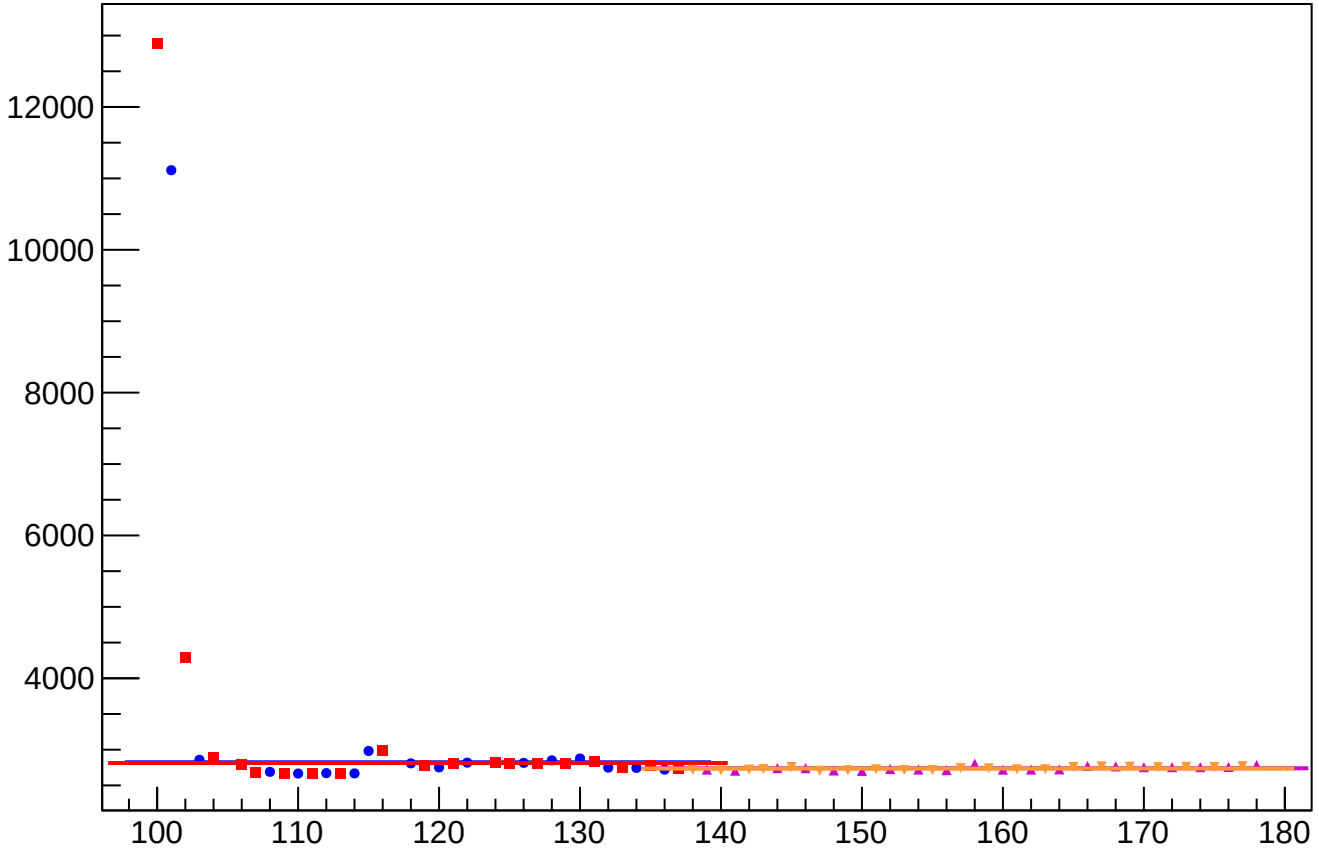
Left In: -2480.506+/-677.653 χ^2/NDF:29.7/19

+ sign 2289.831+/-568.863 χ^2/NDF: 40.3/36

All: -119.268+/-402.419 χ^2/NDF: 115.9/75

- sign -2532.501+/-569.351 χ^2/NDF: 39.7/38

dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2736.104+/-0.474 χ^2/NDF:1919.0/20

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

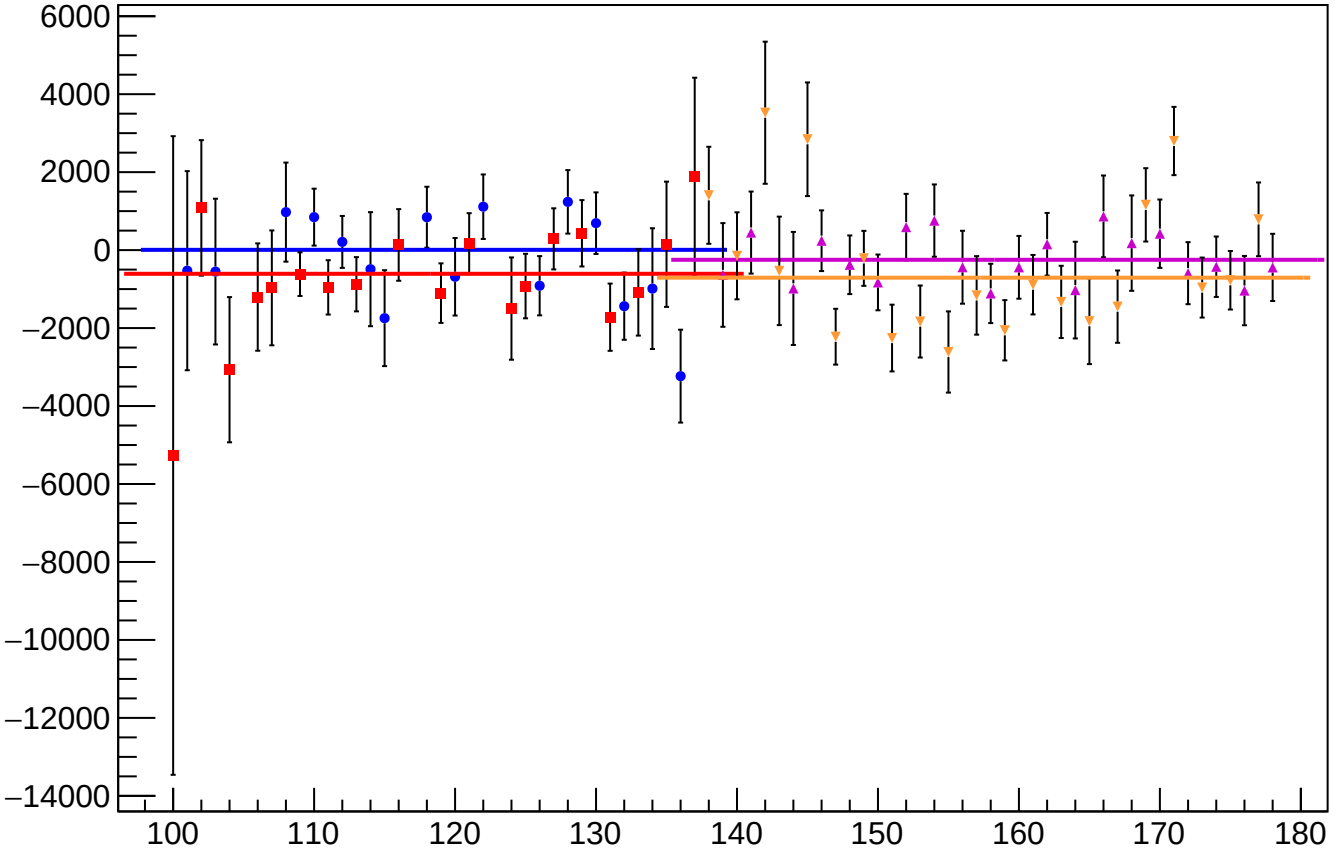
Left In: 2739.654+/-0.479 χ^2/NDF:3247.7/19

+ sign 2760.464+/-0.402 χ^2/NDF: 755317.4/36

All: 2760.965+/-0.285 χ^2/NDF: 966125.9/75

- sign 2761.467+/-0.403 χ^2/NDF: 210805.4/38

asym_atr1_dit_correction_mean vs Slug



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

Left Out: -707.426+/-201.206 χ^2/NDF:55.6/20

Right Out: -607.647+/-217.093 χ^2/NDF: 12.2/18

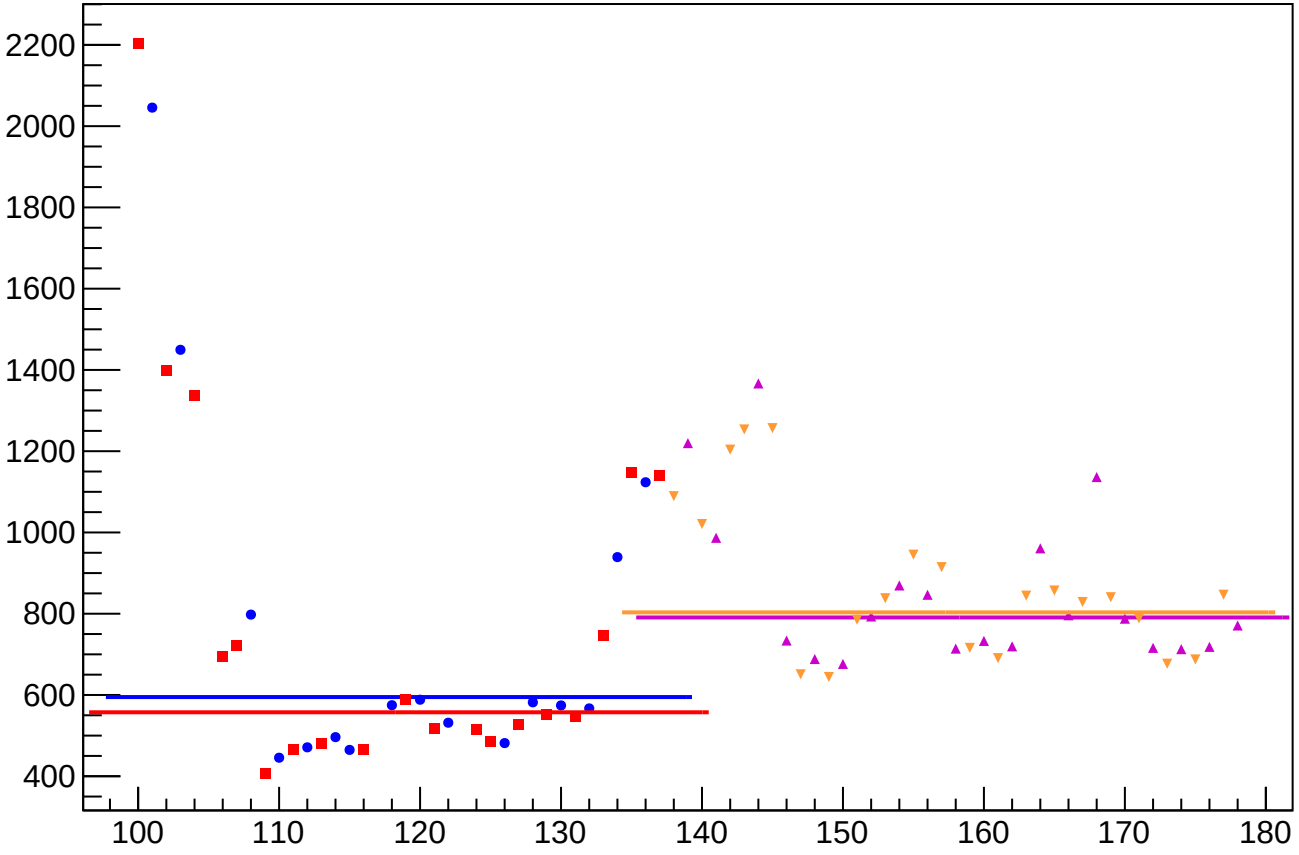
Left In: -248.531+/-199.228 χ^2/NDF:8.9/19

\+ sign -408.829+/-153.508 χ^2/NDF: 83.7/36

All: -410.855+/-106.090 χ^2/NDF: 106.2/75

\- sign -412.706+/-146.786 χ^2/NDF: 22.6/38

asym_atr1_dit_correction_rms vs Slug



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 803.313+/-0.142 χ^2/NDF:1127555.3/20

Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

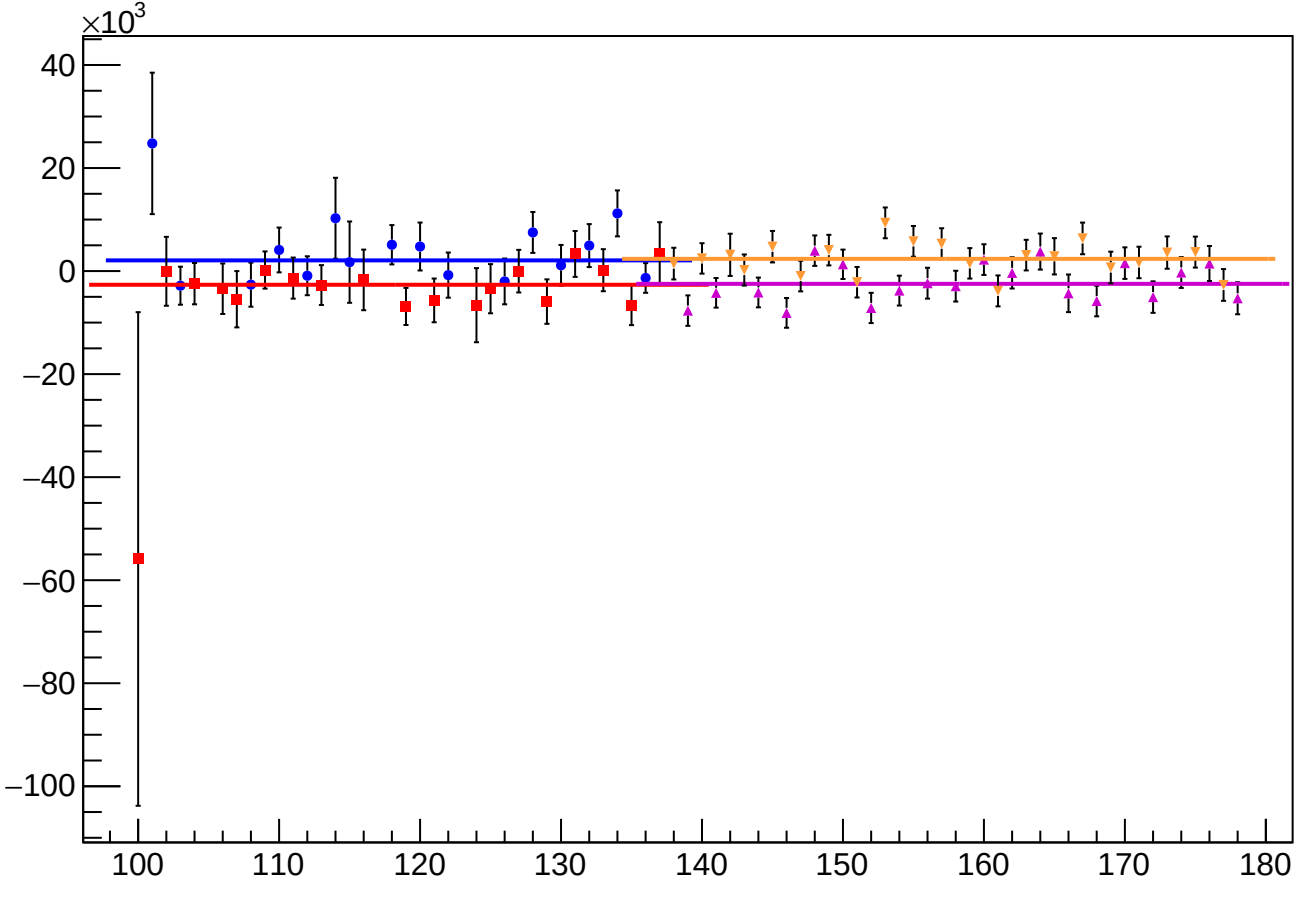
Left In: 790.767+/-0.141 χ^2/NDF:1009143.0/19

+ sign 716.194+/-0.109 χ^2/NDF: 3877375.7/36

All: 699.418+/-0.075 χ^2/NDF: 7818127.6/75

- sign 684.078+/-0.104 χ^2/NDF: 3895023.1/38

eigen_dit_asym_atr1_mean vs Slug



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2373.009+/-669.896 χ^2/NDF:22.4/20

Right Out: -2657.300+/-1049.868 χ^2/NDF: 9.9/18

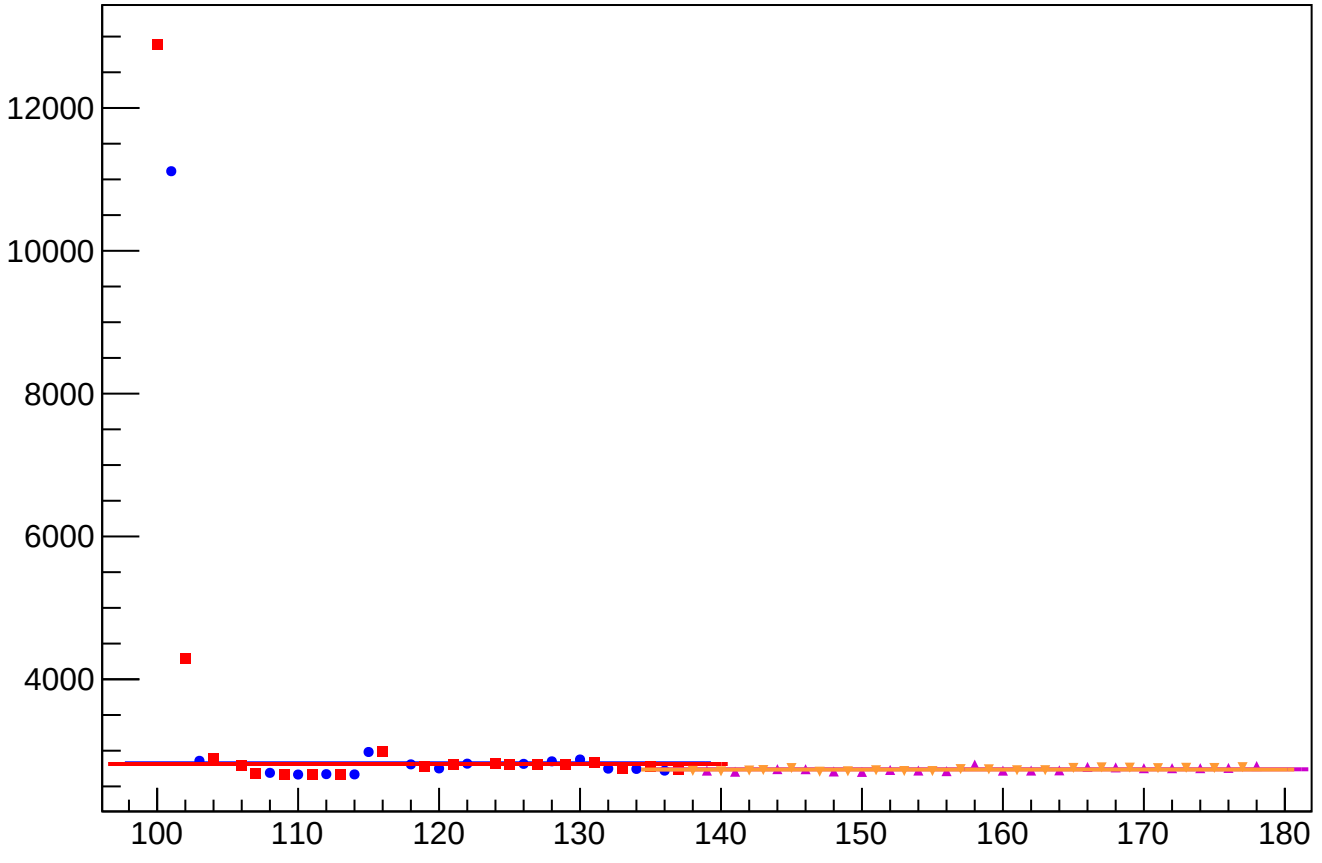
Left In: -2480.506+/-677.653 χ^2/NDF:29.7/19

+ sign 2289.831+/-568.863 χ^2/NDF: 40.3/36

All: -119.267+/-402.419 χ^2/NDF: 115.9/75

- sign -2532.500+/-569.351 χ^2/NDF: 39.7/38

eigen_dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2736.104+/-0.474 χ^2/NDF:1919.0/20

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

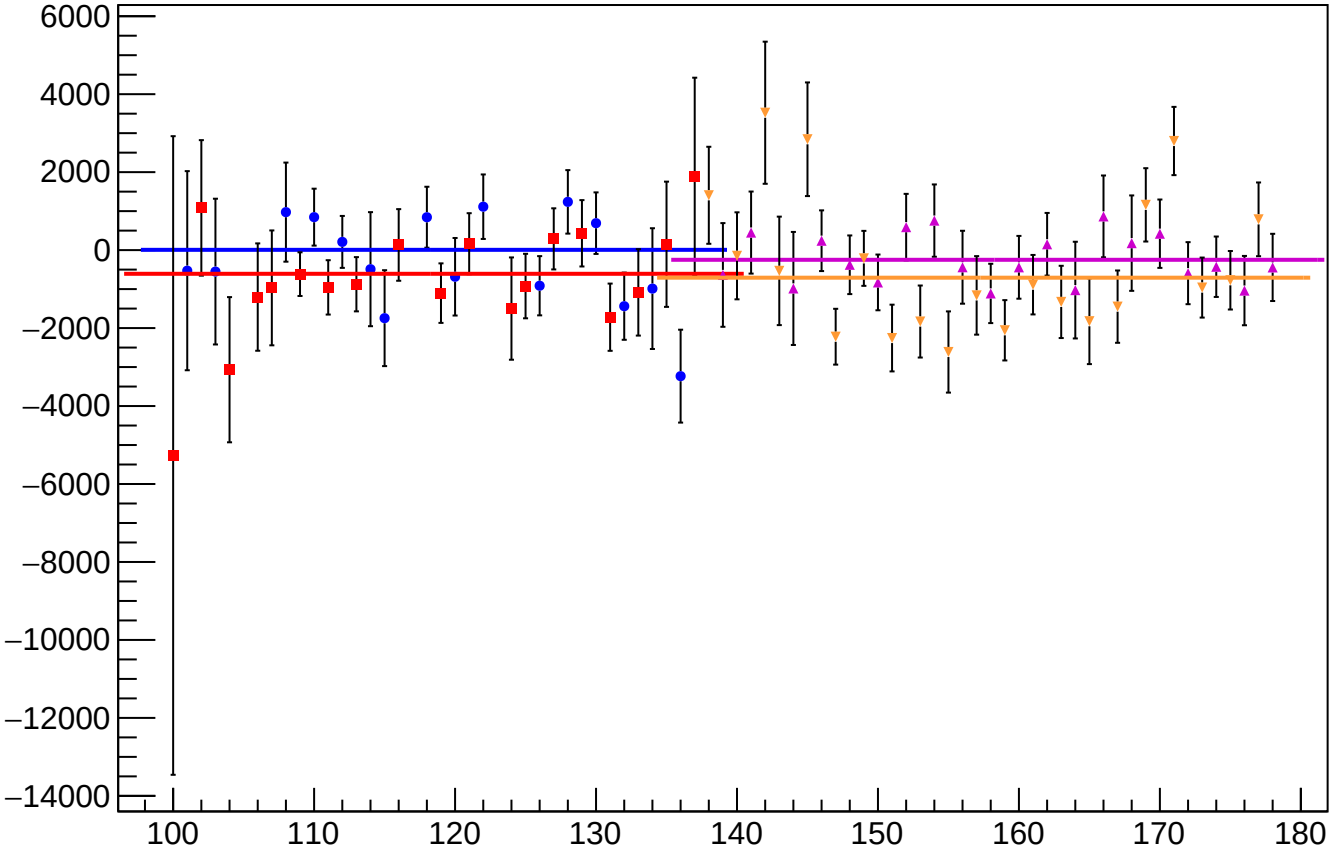
Left In: 2739.654+/-0.479 χ^2/NDF:3247.7/19

+ sign 2760.464+/-0.402 χ^2/NDF: 755317.4/36

All: 2760.965+/-0.285 χ^2/NDF: 966125.6/75

- sign 2761.466+/-0.403 χ^2/NDF: 210805.1/38

asym_atr1_eigen_dit_correction_mean vs Slug



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: -707.427+/-201.206 χ^2/NDF:55.6/20

Right Out: -607.647+/-217.094 χ^2/NDF: 12.2/18

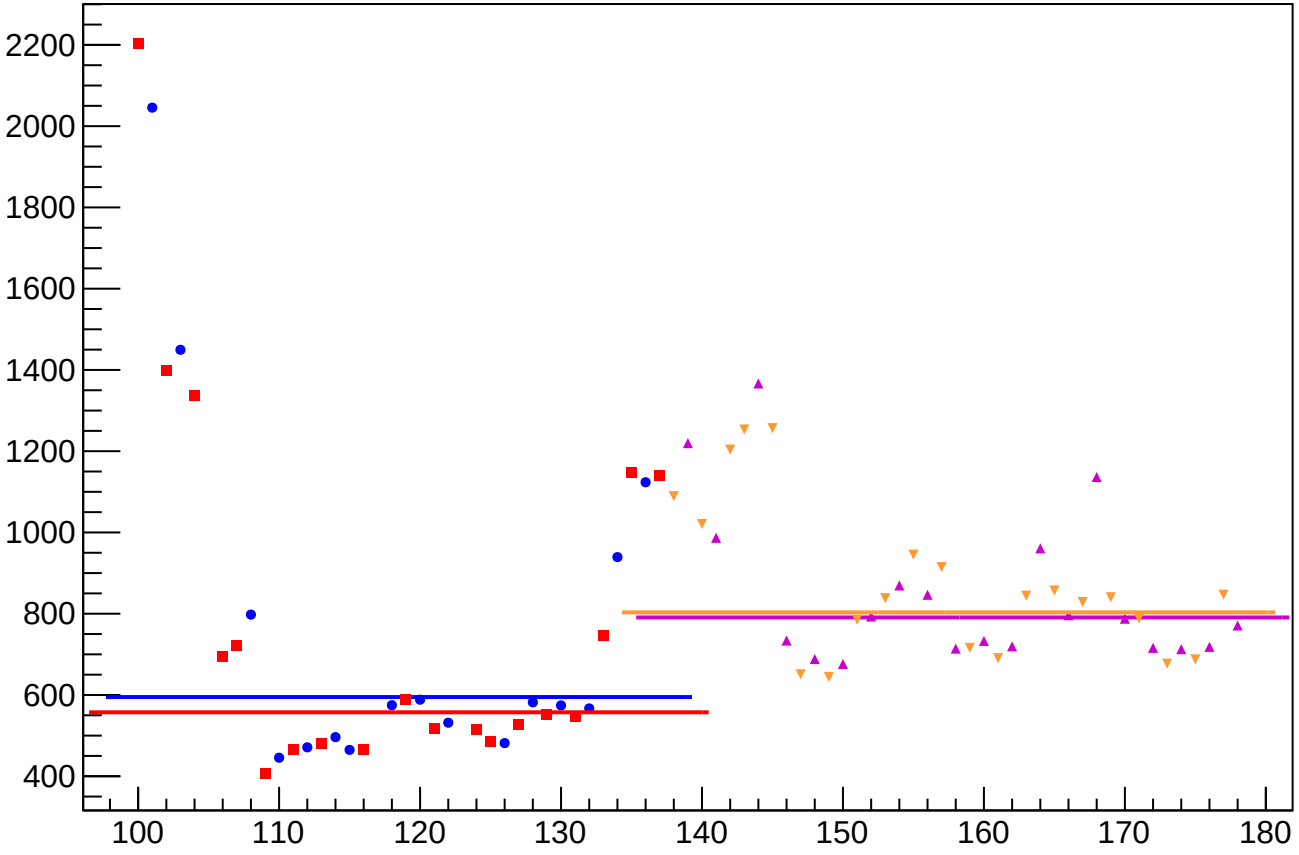
Left In: -248.531+/-199.228 χ^2/NDF:8.9/19

\+ sign -408.830+/-153.508 χ^2/NDF: 83.7/36

All: -410.855+/-106.090 χ^2/NDF: 106.2/75

\- sign -412.707+/-146.786 χ^2/NDF: 22.6/38

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 803.313+/-0.142 χ^2/NDF:1127558.0/20

Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

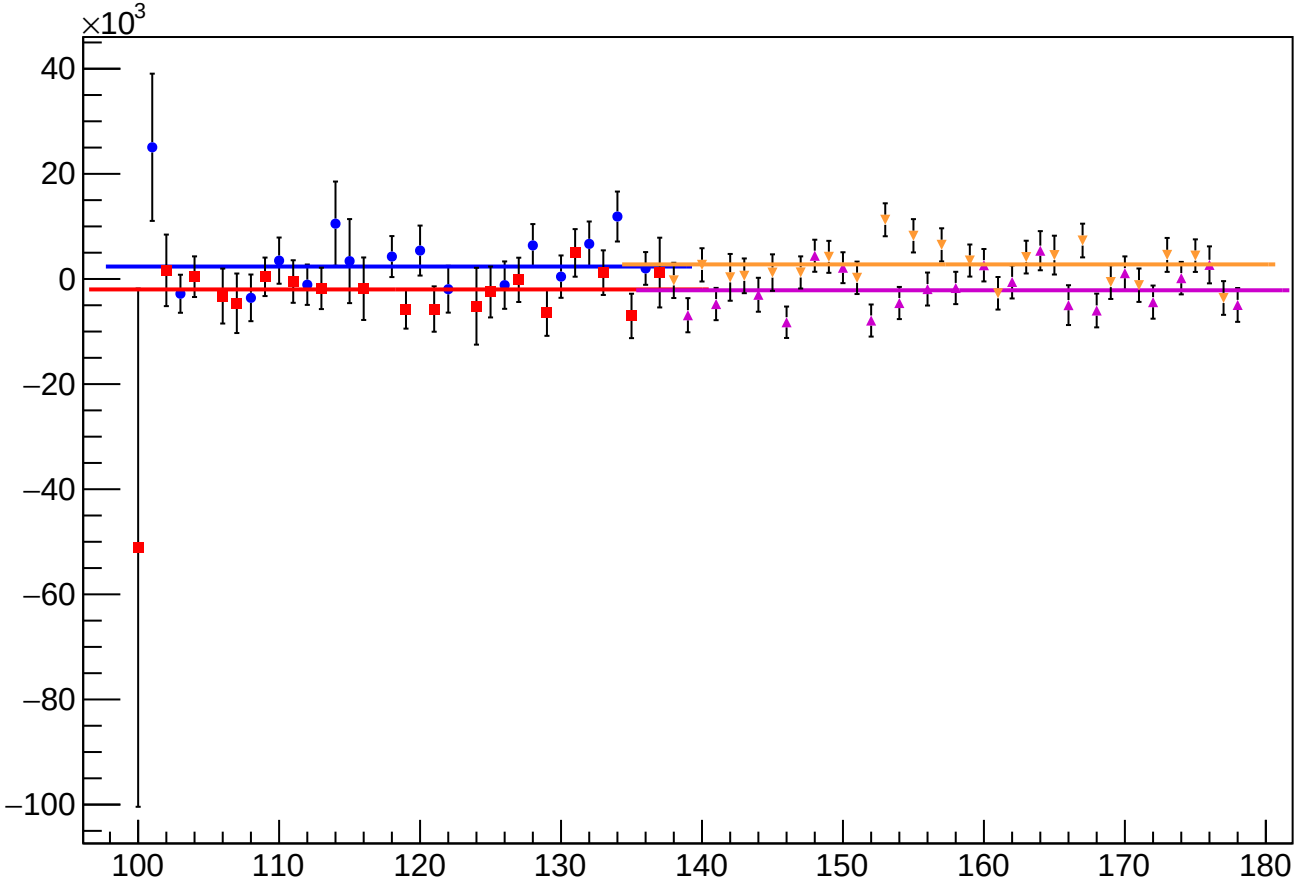
Left In: 790.767+/-0.141 χ^2/NDF:1009147.0/19

+ sign 716.195+/-0.109 χ^2/NDF: 3877369.3/36

All: 699.418+/-0.075 χ^2/NDF: 7818119.8/75

- sign 684.078+/-0.104 χ^2/NDF: 3895021.0/38

asym_atr1_mean vs Slug



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 2774.291+/-704.585 χ^2/NDF:27.5/20

Right Out: -1987.039+/-1075.310 χ^2/NDF: 10.3/18

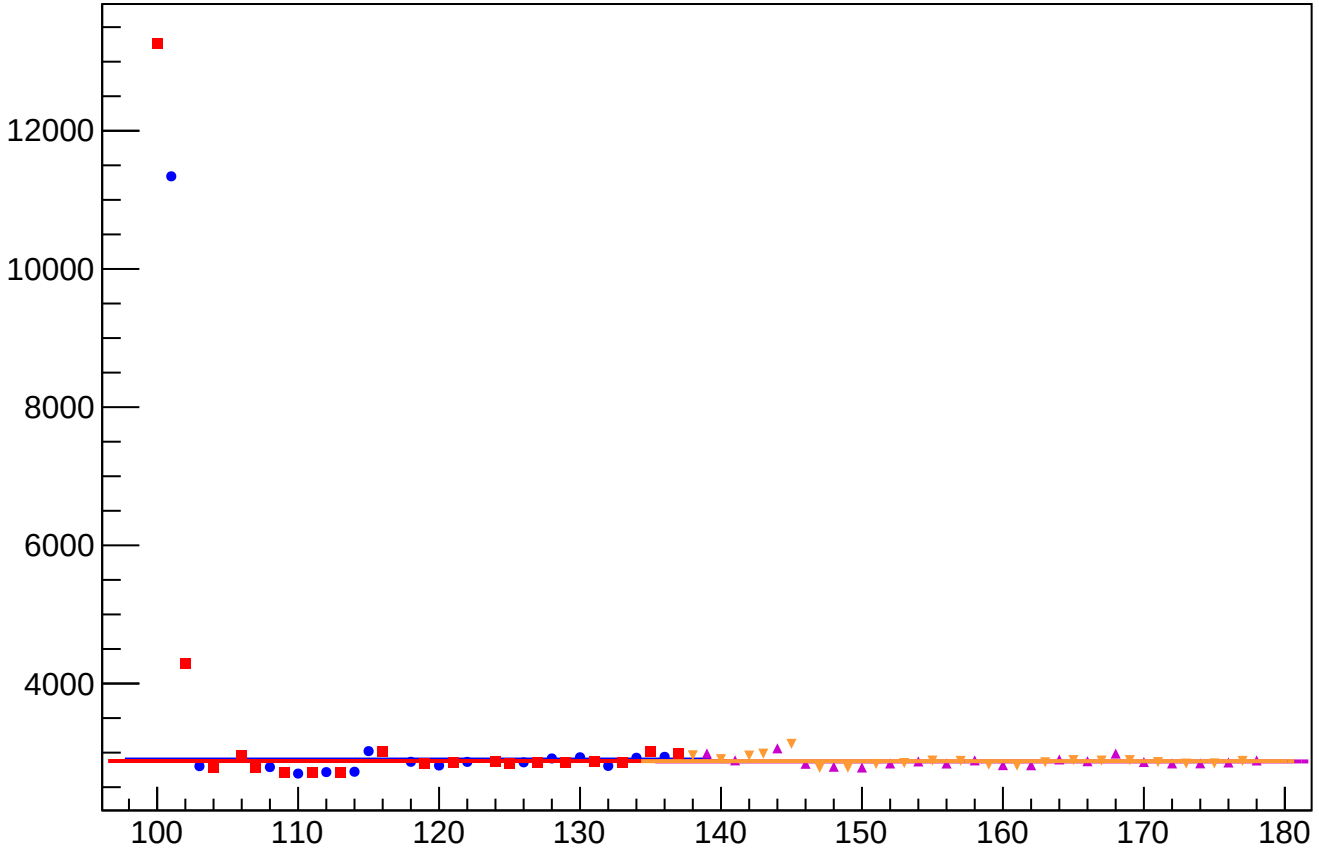
Left In: -2148.808+/-710.769 χ^2/NDF:31.5/19

+ sign 2656.794+/-594.276 χ^2/NDF: 44.4/36

All: 273.251+/-419.745 χ^2/NDF: 118.3/75

- sign -2099.620+/-592.944 χ^2/NDF: 41.8/38

asym_atr1_rms vs Slug



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2876.572+/-0.498 χ^2/NDF:21129.7/20

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

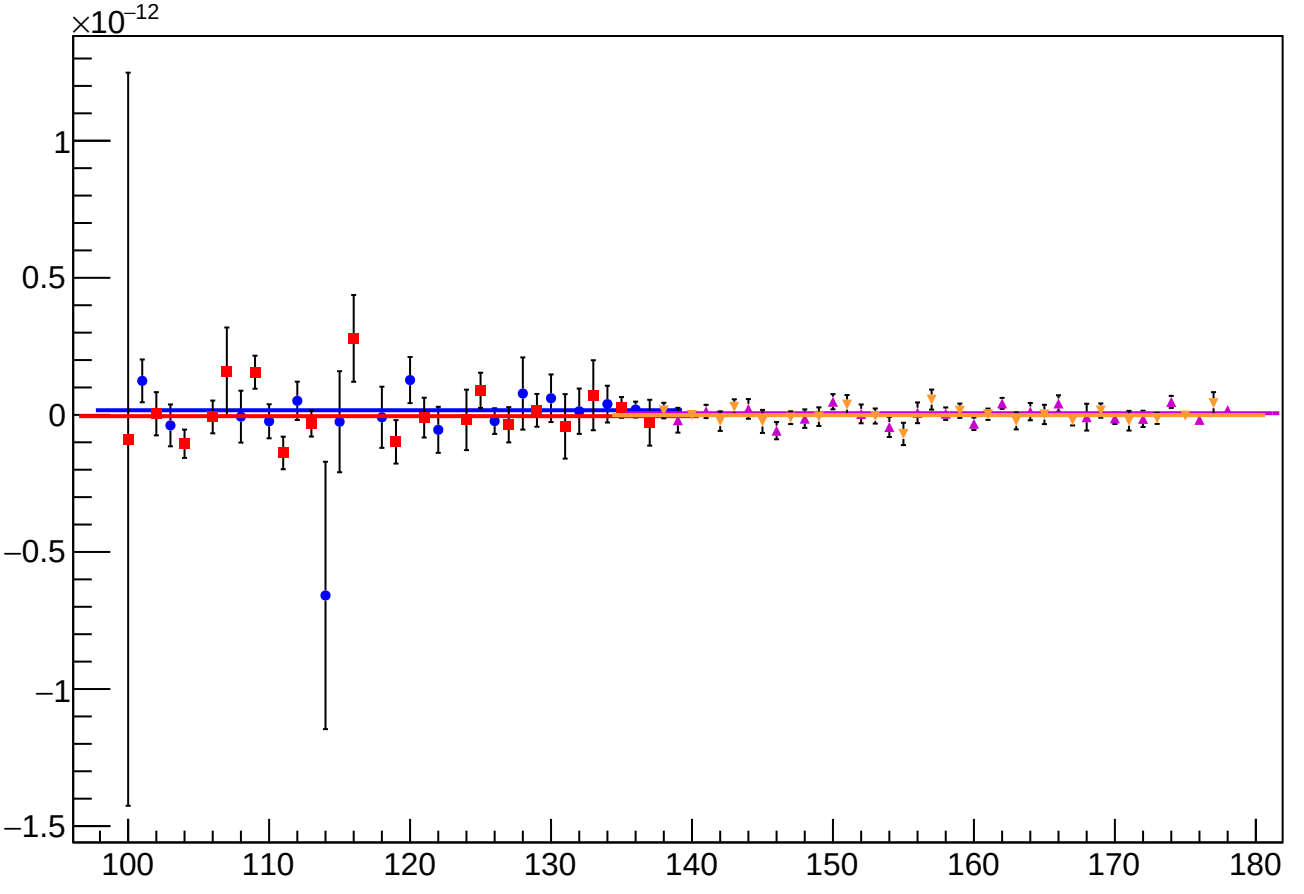
Left In: 2872.693+/-0.503 χ^2/NDF:17412.8/19

+ sign 2883.284+/-0.420 χ^2/NDF: 763576.6/36

All: 2878.931+/-0.297 χ^2/NDF: 974533.2/75

- sign 2874.597+/-0.419 χ^2/NDF: 210742.5/38

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:12.9/20

Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

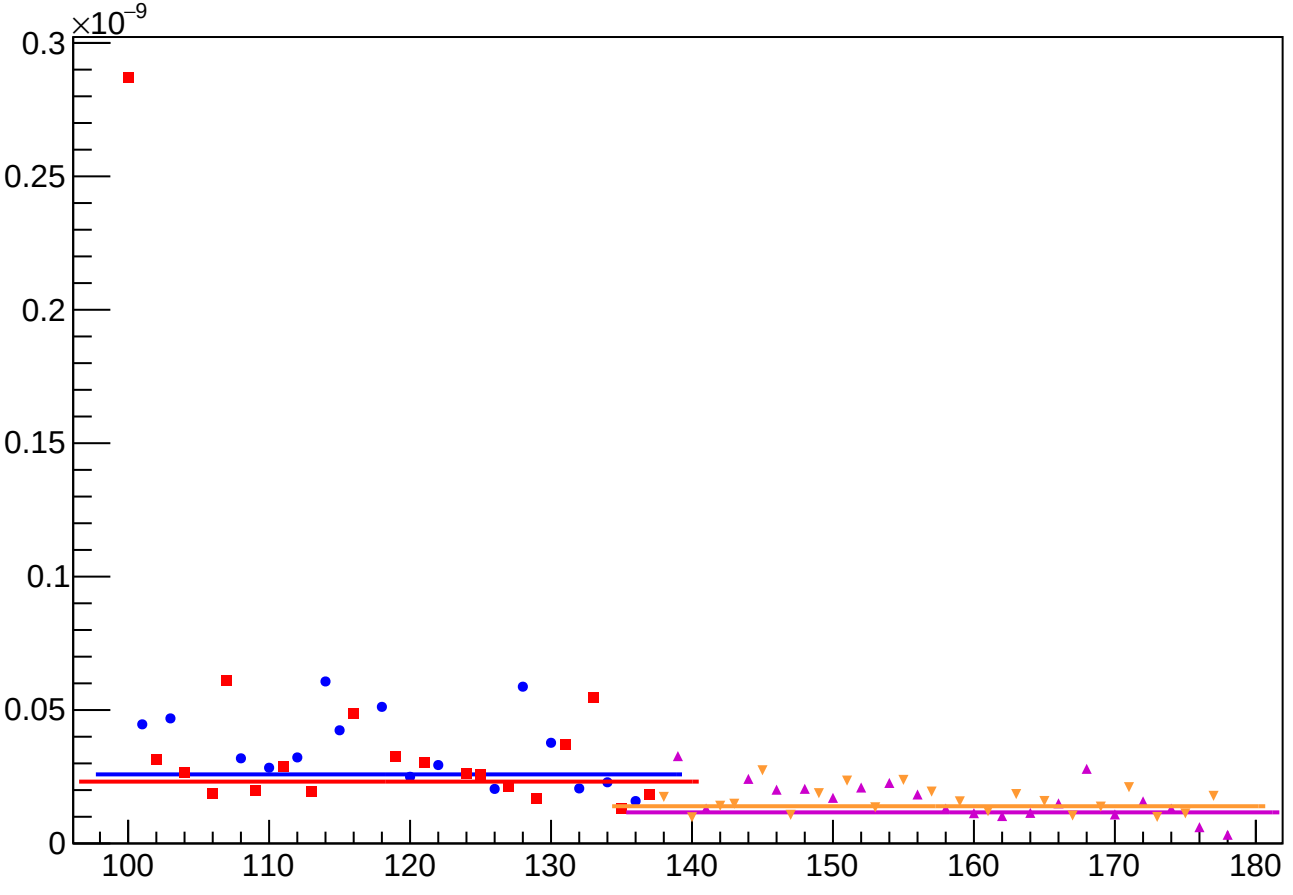
Left In: 0.000+/-0.000 χ^2/NDF:24.8/19

\+ sign 0.000+/-0.000 χ^2/NDF: 22.8/36

All: 0.000+/-0.000 χ^2/NDF: 74.1/75

\- sign 0.000+/-0.000 χ^2/NDF: 51.0/38

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:1102310.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

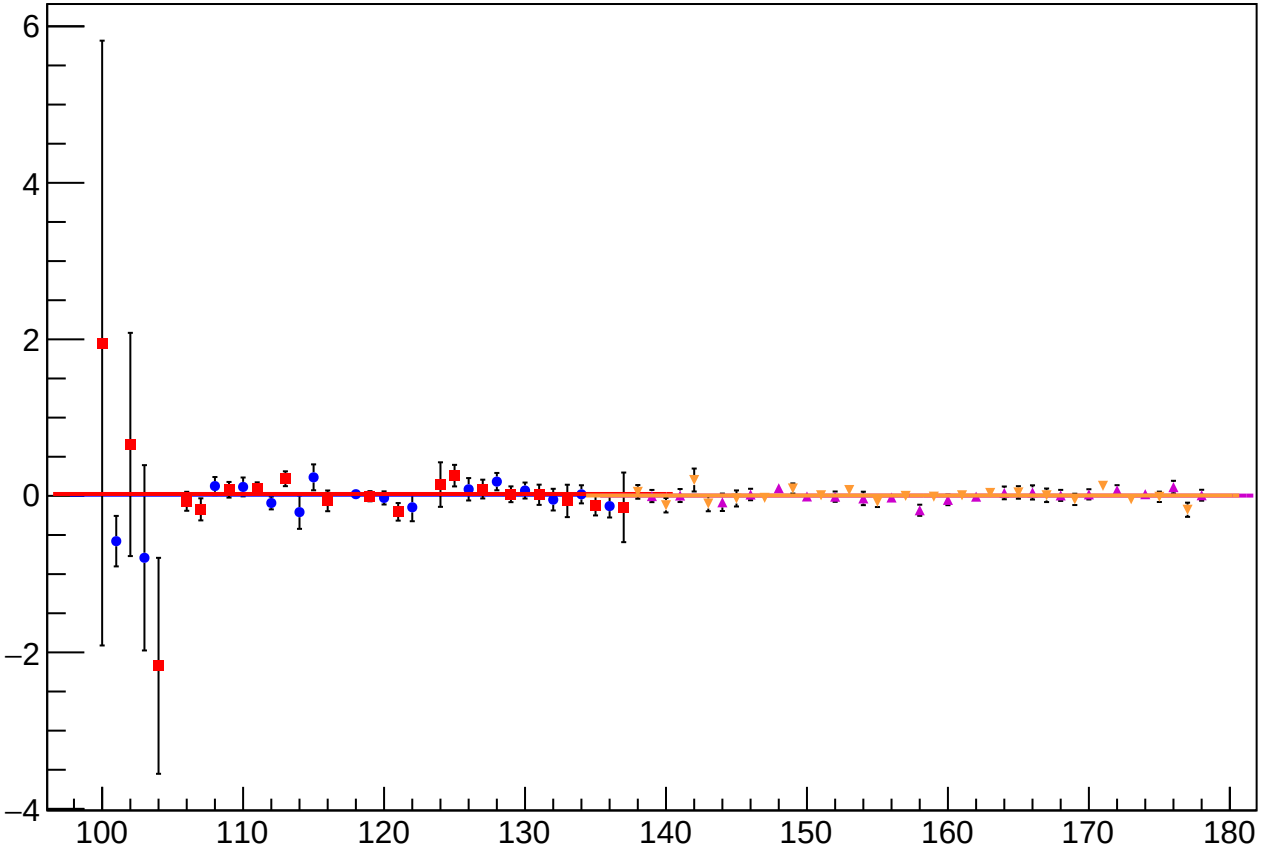
Left In: 0.000+/-0.000 χ^2/NDF:3006167.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 2864936.5/36

All: 0.000+/-0.000 χ^2/NDF: 7713887.8/75

- sign 0.000+/-0.000 χ^2/NDF: 4658952.6/38

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+/-0.015 χ^2/NDF:20.4/20

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

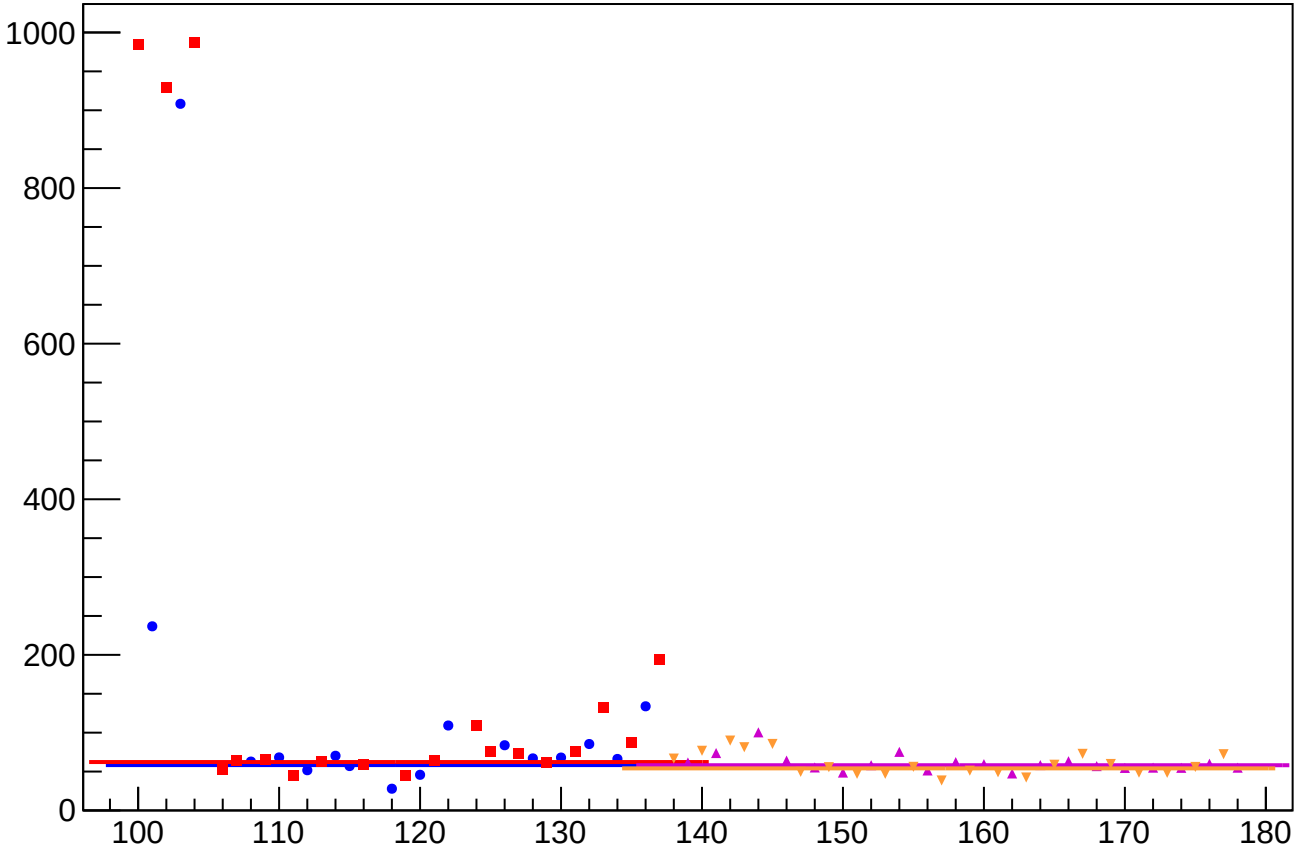
Left In: 0.003+/-0.016 χ^2/NDF:14.3/19

+ sign 0.007+/-0.013 χ^2/NDF: 35.5/36

All: 0.008+/-0.010 χ^2/NDF: 71.0/75

- sign 0.008+/-0.014 χ^2/NDF: 35.5/38

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 54.086+/-0.011 χ^2/NDF:1175205.9/20

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

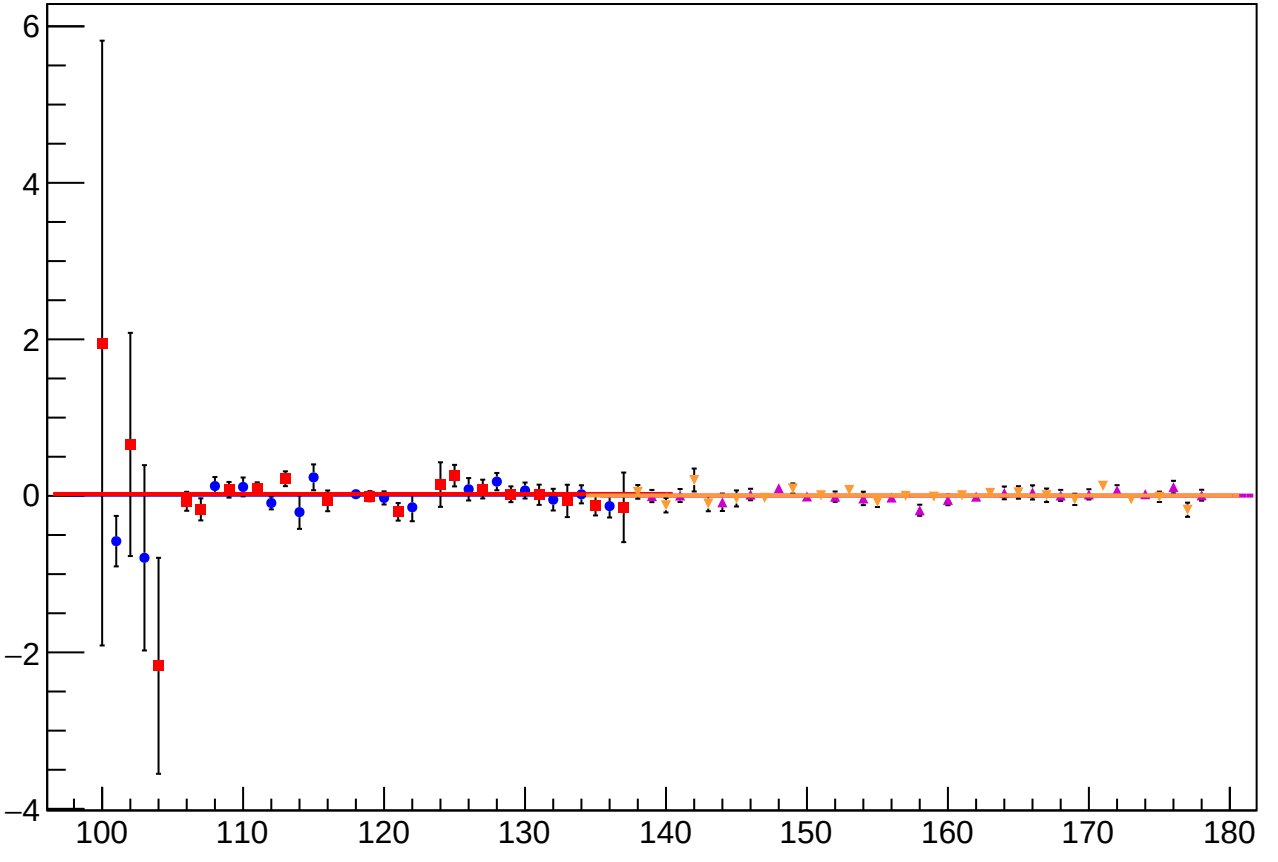
Left In: 58.129+/-0.011 χ^2/NDF:641899.9/19

+ sign 55.041+/-0.009 χ^2/NDF: 4471316.8/36

All: 57.002+/-0.007 χ^2/NDF: 7864139.4/75

- sign 59.115+/-0.010 χ^2/NDF: 3301552.5/38

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+/-0.015 χ^2/NDF:20.4/20

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

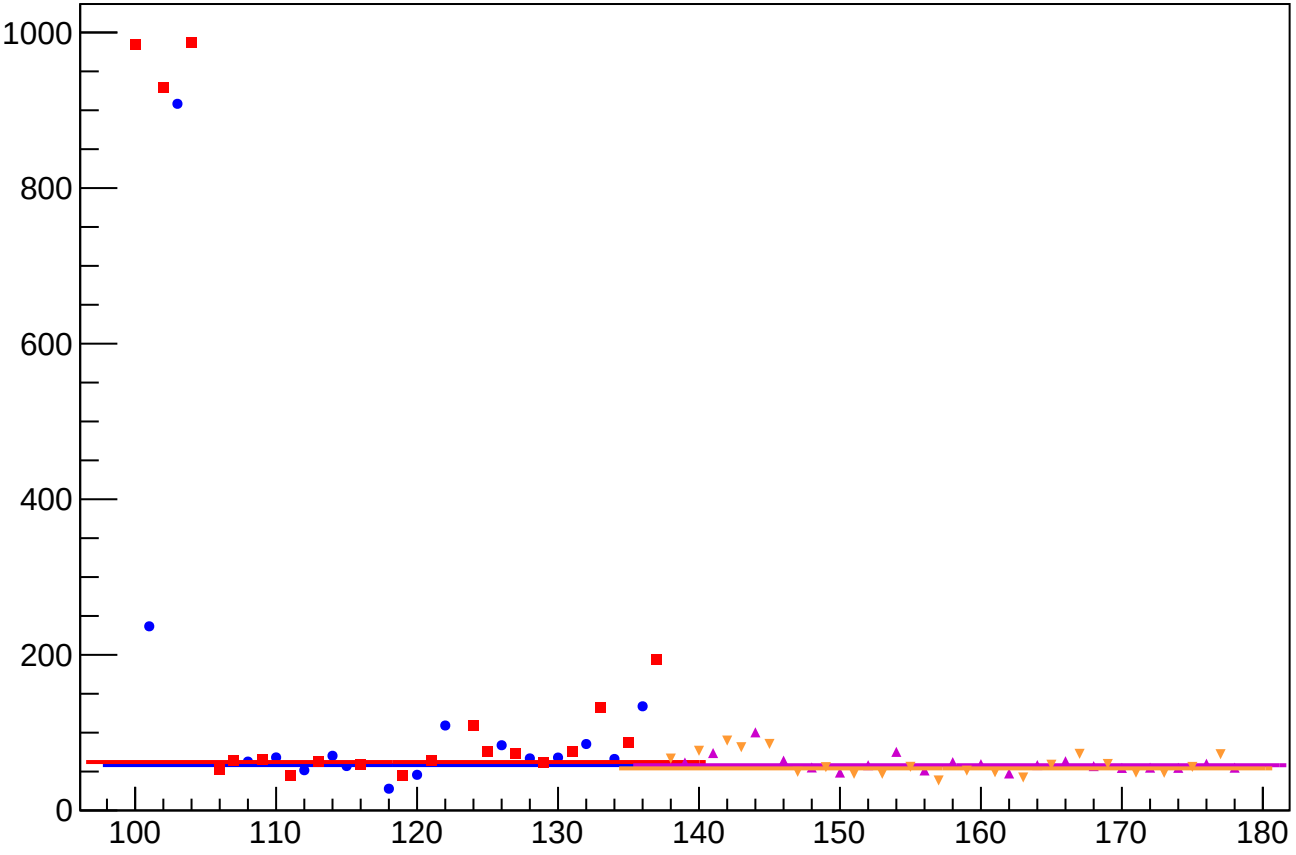
Left In: 0.003+/-0.016 χ^2/NDF:14.3/19

+ sign 0.007+/-0.013 χ^2/NDF: 35.5/36

All: 0.008+/-0.010 χ^2/NDF: 71.0/75

- sign 0.008+/-0.014 χ^2/NDF: 35.5/38

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 54.086+/-0.011 χ^2/NDF:1175205.9/20

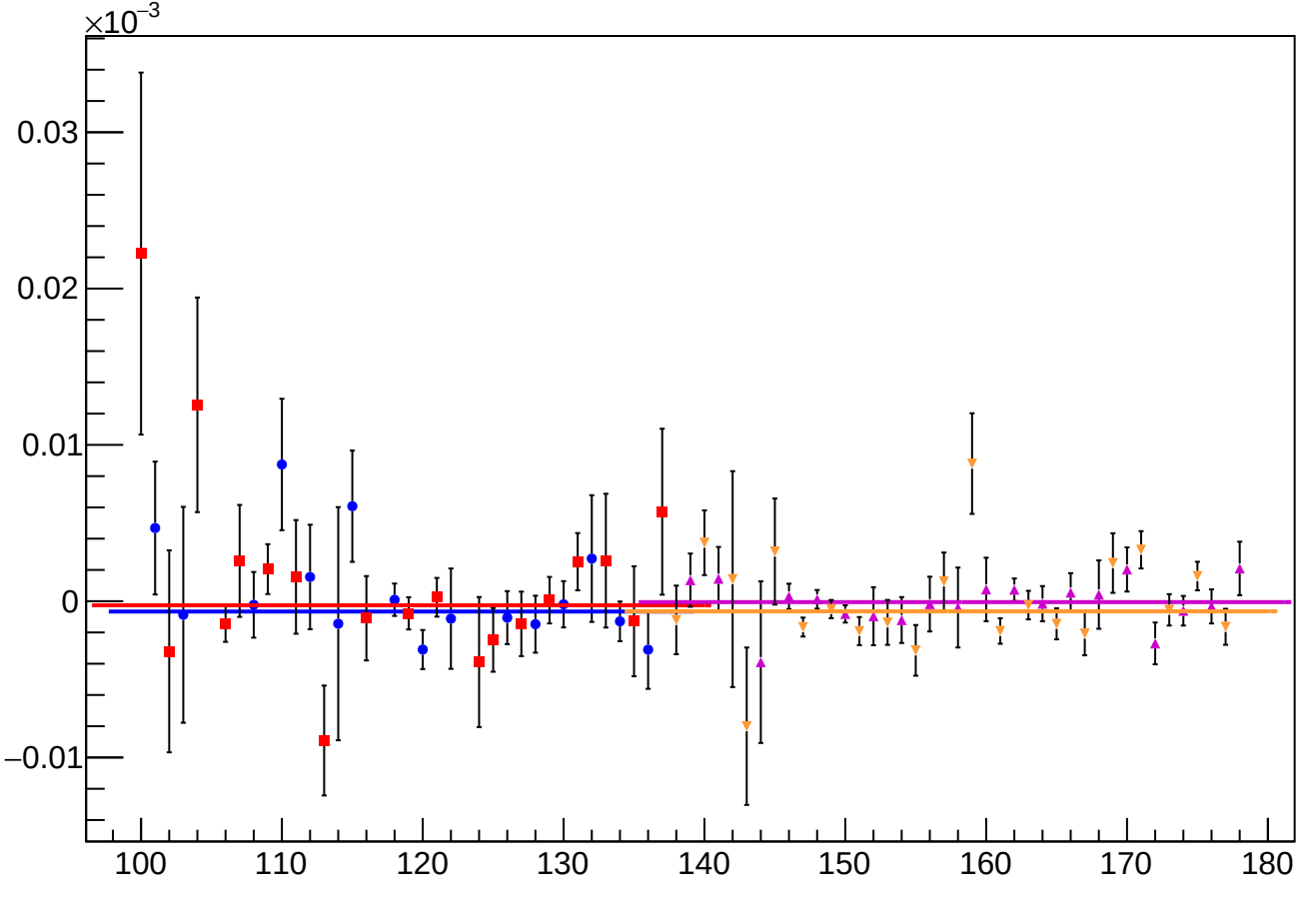
Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 58.129+/-0.011 χ^2/NDF:641899.9/19

+ sign 55.041+/-0.009 χ^2/NDF: 4471316.8/36

All: 57.002+/-0.007 χ^2/NDF: 7864139.4/75

- sign 59.115+/-0.010 χ^2/NDF: 3301552.5/38



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:49.8/20

Right Out: -0.000+/-0.000 χ^2/NDF: 24.6/18

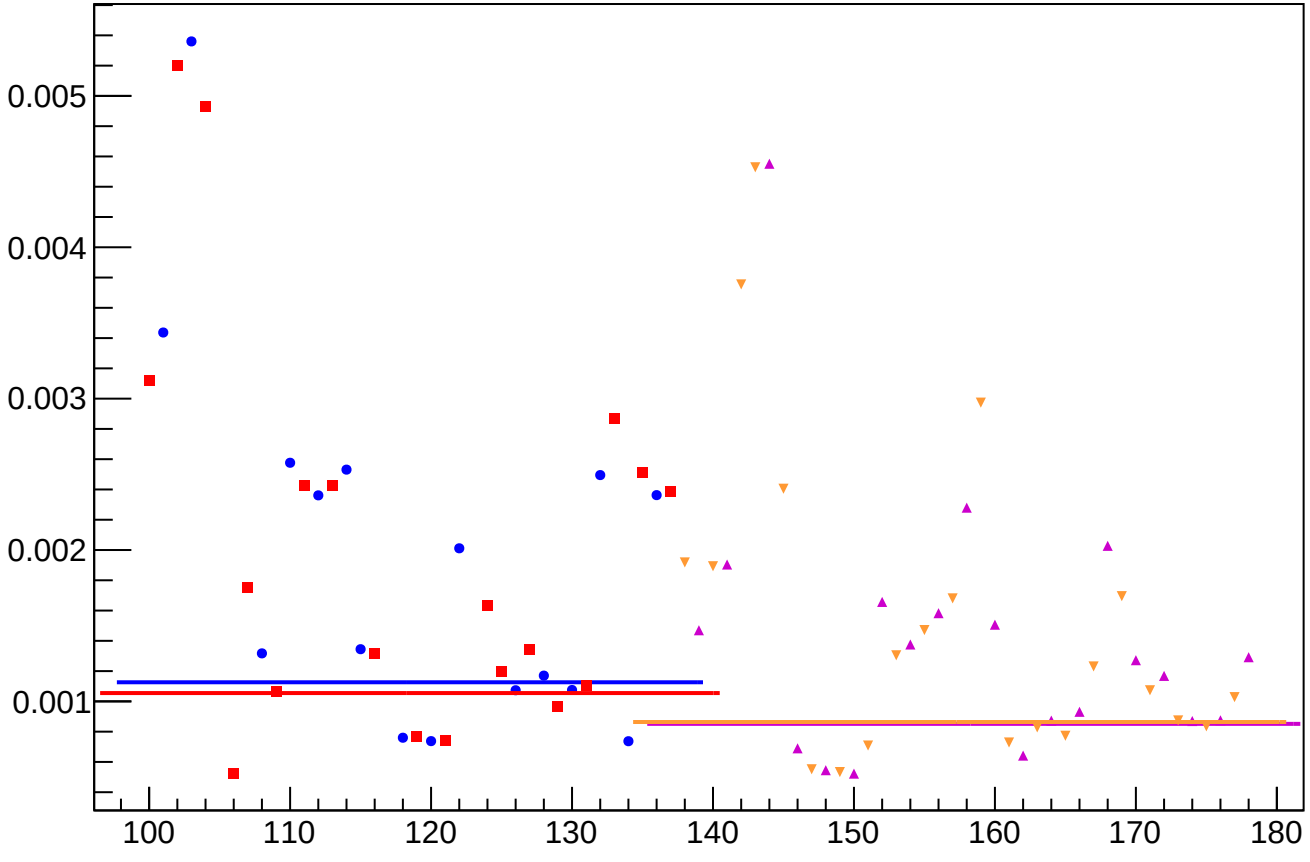
Left In: -0.000+/-0.000 χ^2/NDF:14.6/19

+ sign -0.000+/-0.000 χ^2/NDF: 67.0/36

All: -0.000+/-0.000 χ^2/NDF: 109.5/75

- sign -0.000+/-0.000 χ^2/NDF: 39.3/38

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:6427677.1/20

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

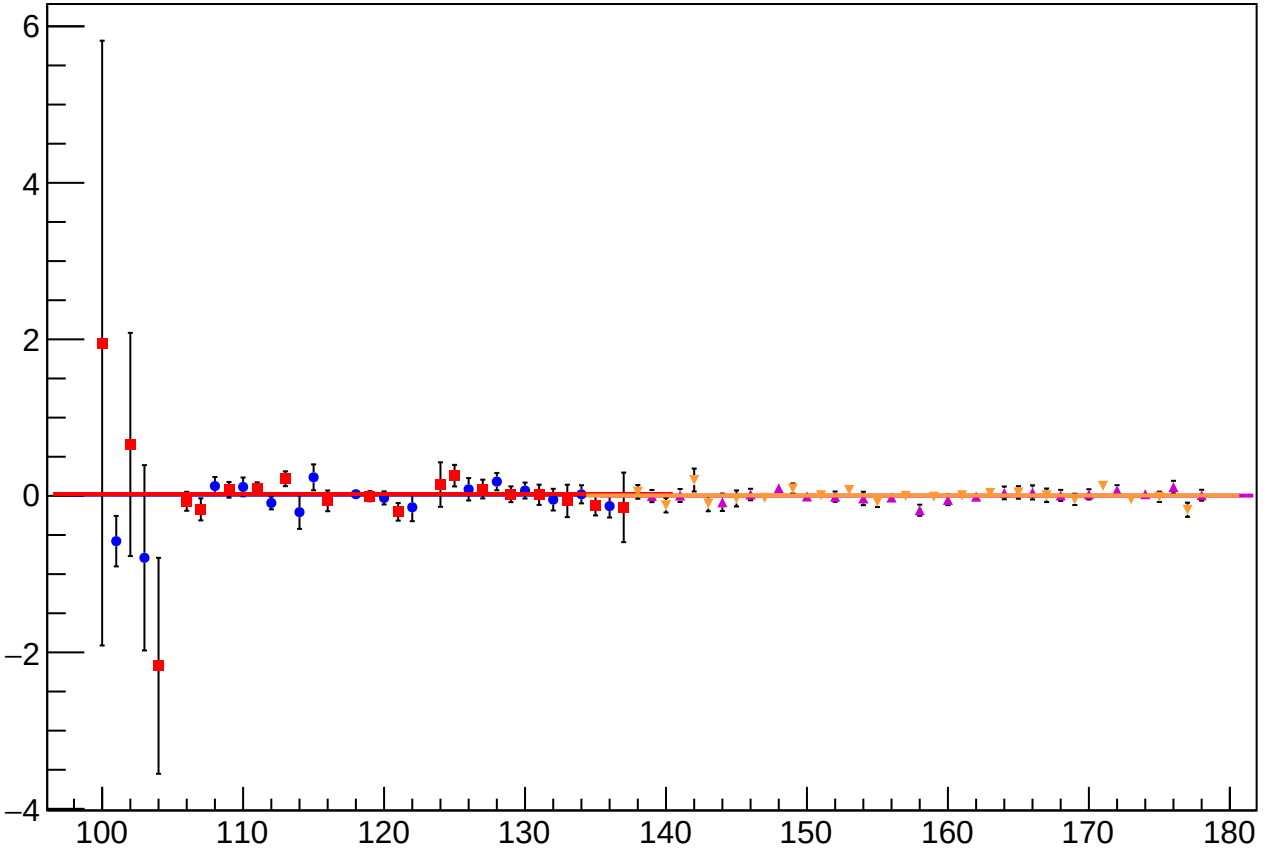
Left In: 0.001+/-0.000 χ^2/NDF:6134052.1/19

+ sign 0.001+/-0.000 χ^2/NDF: 10340860.6/36

All: 0.001+/-0.000 χ^2/NDF: 20631884.3/75

- sign 0.001+/-0.000 χ^2/NDF: 10282598.0/38

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+/-0.015 χ^2/NDF:20.4/20

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

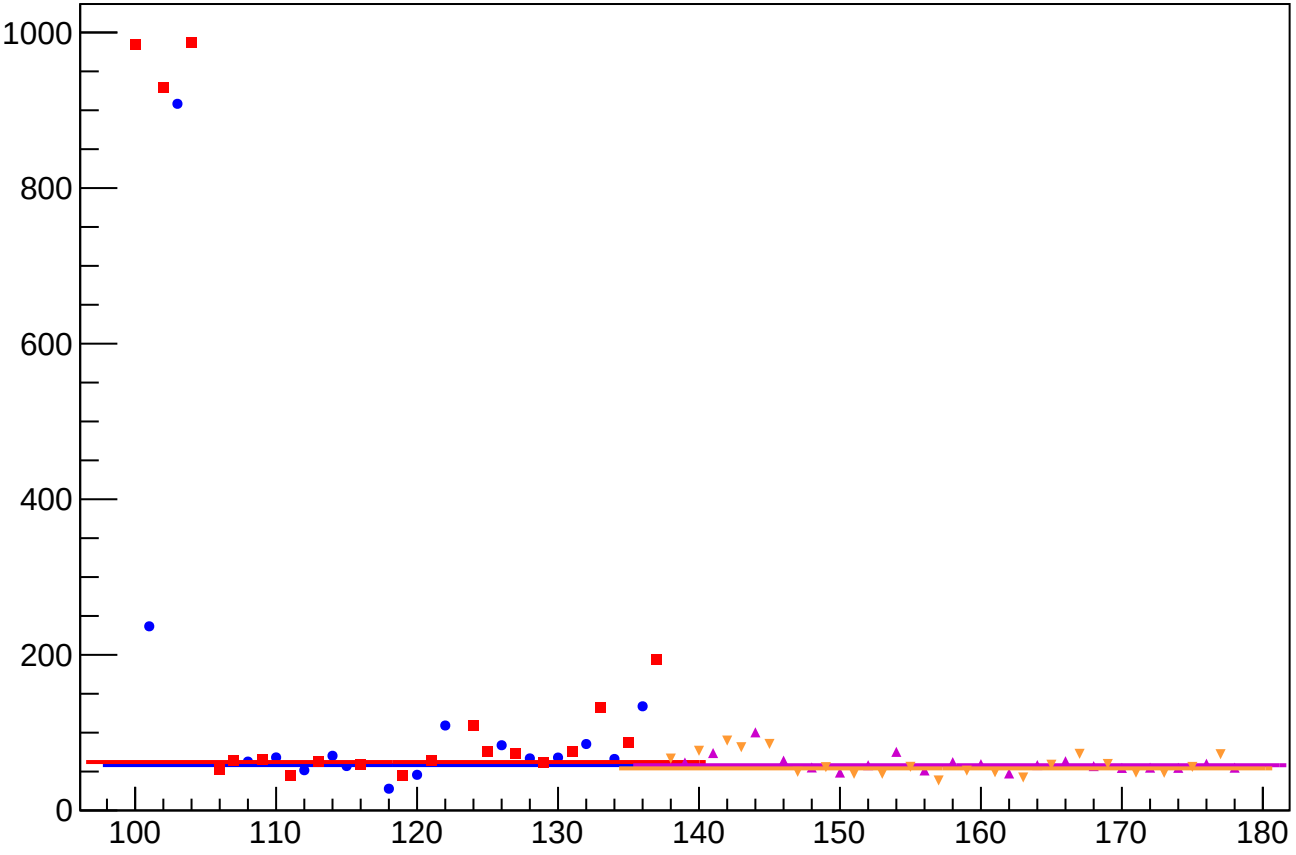
Left In: 0.003+/-0.016 χ^2/NDF:14.3/19

+ sign 0.007+/-0.013 χ^2/NDF: 35.5/36

All: 0.008+/-0.010 χ^2/NDF: 71.0/75

- sign 0.008+/-0.014 χ^2/NDF: 35.5/38

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 54.085+/-0.011 χ^2/NDF:1175275.4/20

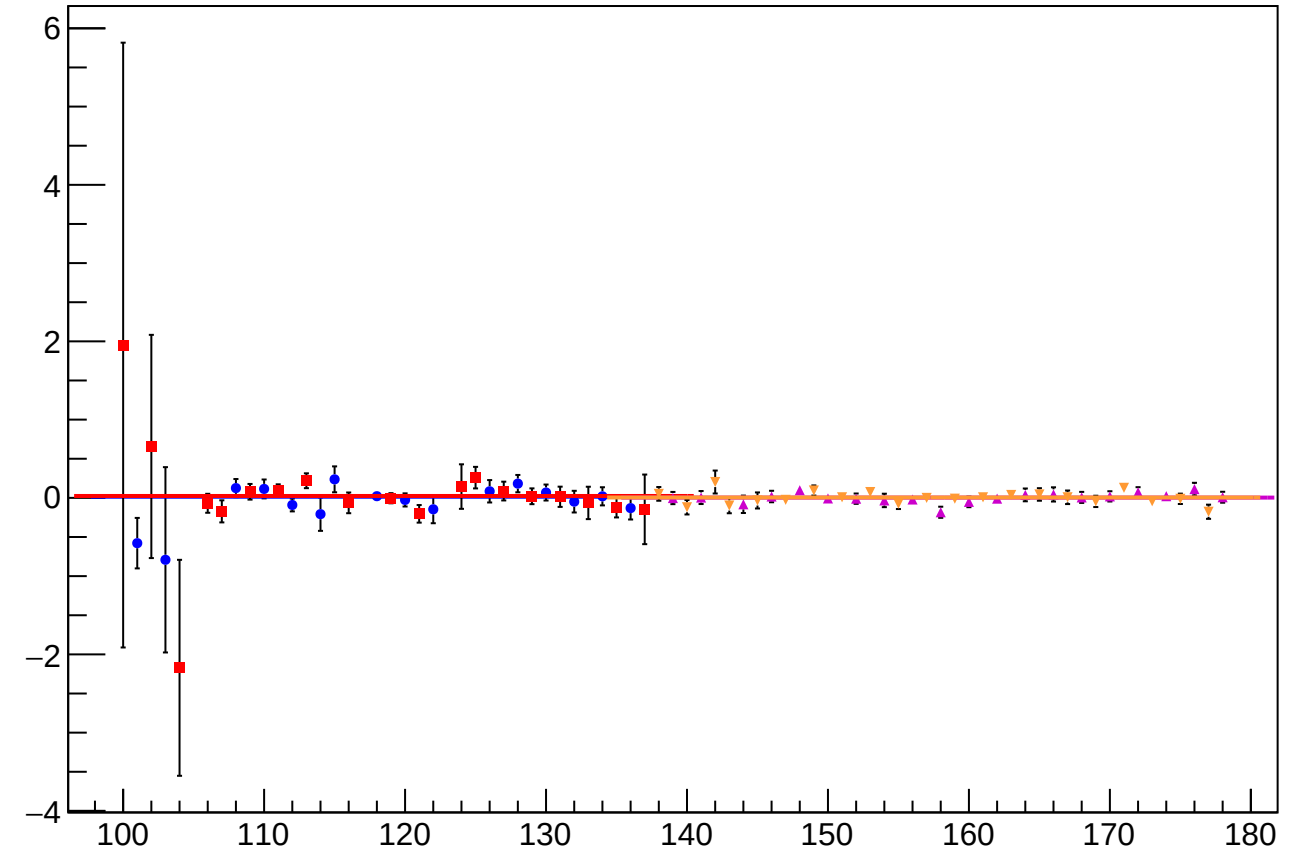
Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 58.129+/-0.011 χ^2/NDF:641923.4/19

+ sign 55.040+/-0.009 χ^2/NDF: 4471460.5/36

All: 57.001+/-0.007 χ^2/NDF: 7864320.3/75

- sign 59.115+/-0.010 χ^2/NDF: 3301565.0/38



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.005+/-0.015 χ^2/NDF:20.4/20

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

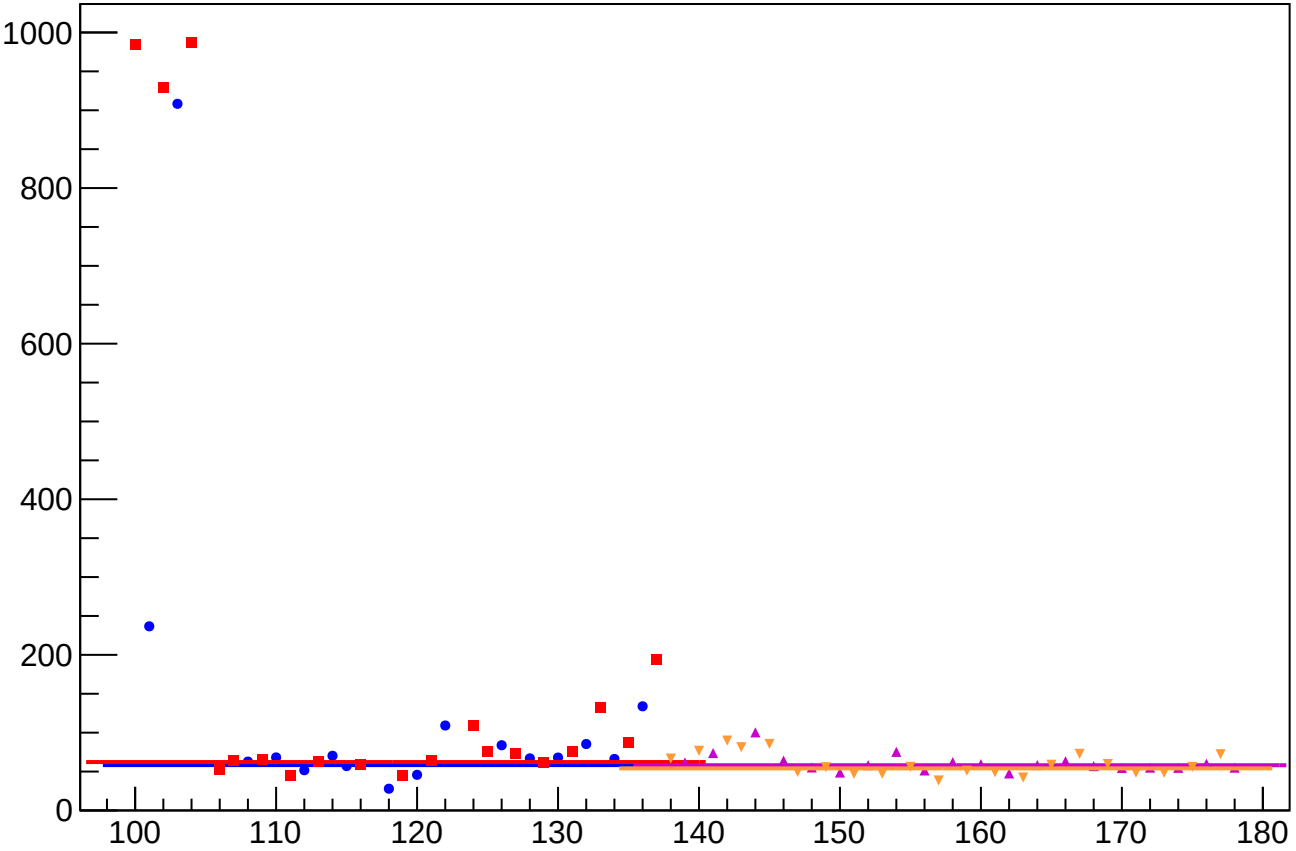
Left In: 0.003+/-0.016 χ^2/NDF:14.3/19

\+ sign 0.007+/-0.013 χ^2/NDF: 35.5/36

All: 0.008+/-0.010 χ^2/NDF: 71.0/75

\- sign 0.008+/-0.014 χ^2/NDF: 35.5/38

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: 54.085+/-0.011 χ^2/NDF:1175275.4/20

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

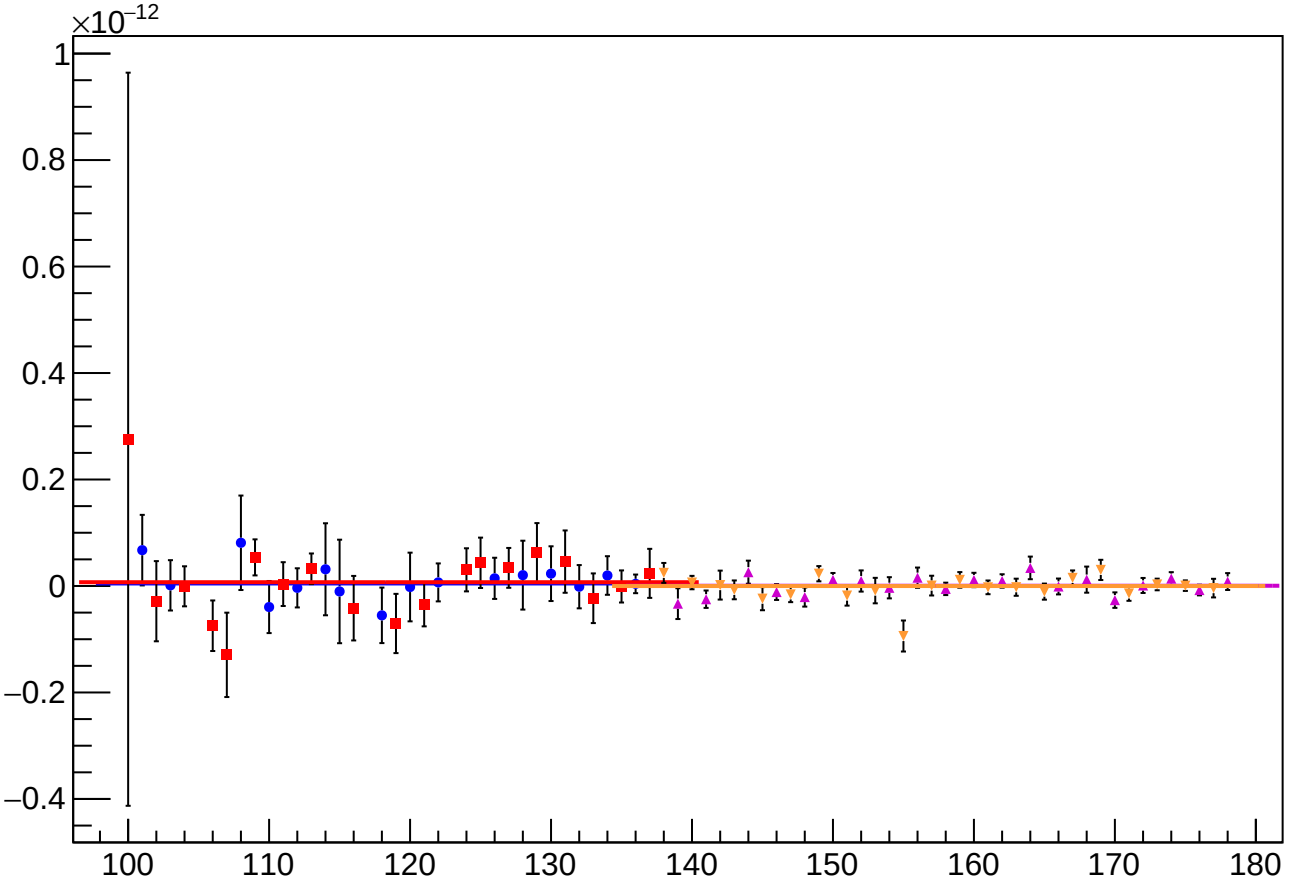
Left In: 58.129+/-0.011 χ^2/NDF:641923.4/19

+ sign 55.040+/-0.009 χ^2/NDF: 4471460.5/36

All: 57.001+/-0.007 χ^2/NDF: 7864320.3/75

- sign 59.115+/-0.010 χ^2/NDF: 3301565.0/38

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:24.6/20

Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

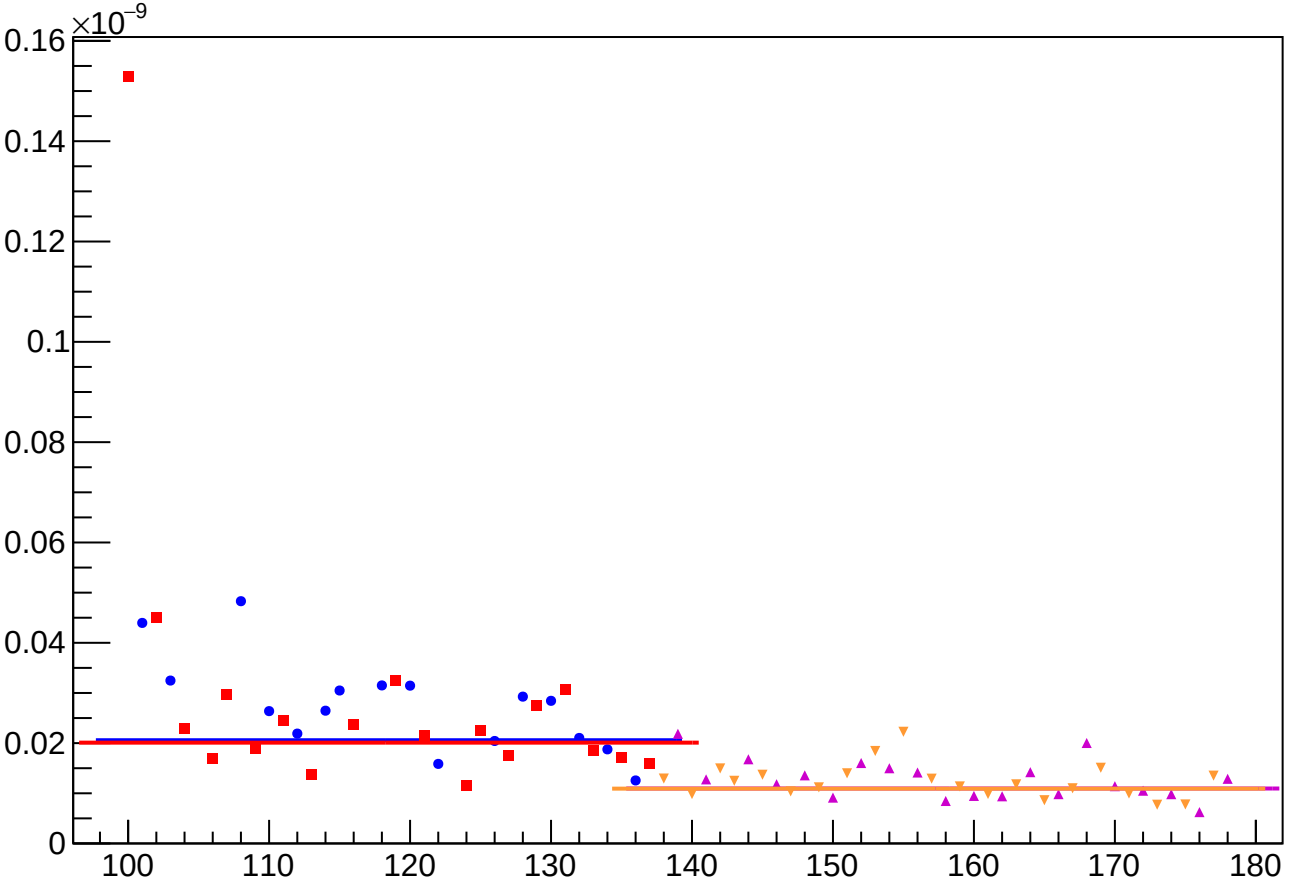
Left In: 0.000+/-0.000 χ^2/NDF:18.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 29.2/36

All: 0.000+/-0.000 χ^2/NDF: 64.2/75

- sign 0.000+/-0.000 χ^2/NDF: 35.0/38

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:1300363.5/20

Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

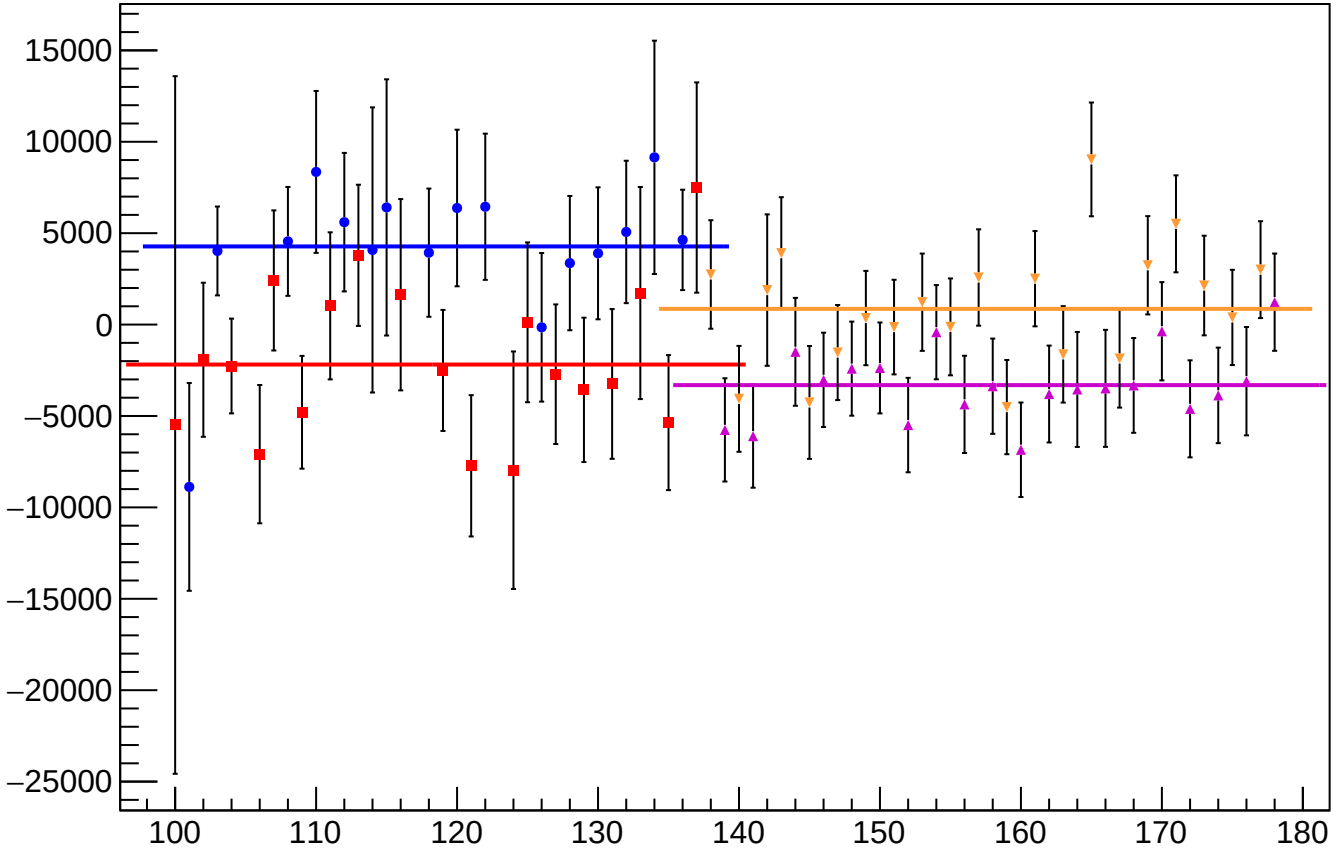
Left In: 0.000+/-0.000 χ^2/NDF:1780044.7/19

\+ sign 0.000+/-0.000 χ^2/NDF: 4219511.3/36

All: 0.000+/-0.000 χ^2/NDF: 8279421.4/75

\- sign 0.000+/-0.000 χ^2/NDF: 4059894.8/38

reg_asym_atr2_mean vs Slug



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: 858.950+/-601.250 χ^2/NDF:27.0/20

Right Out: -2186.264+/-922.104 χ^2/NDF: 14.8/18

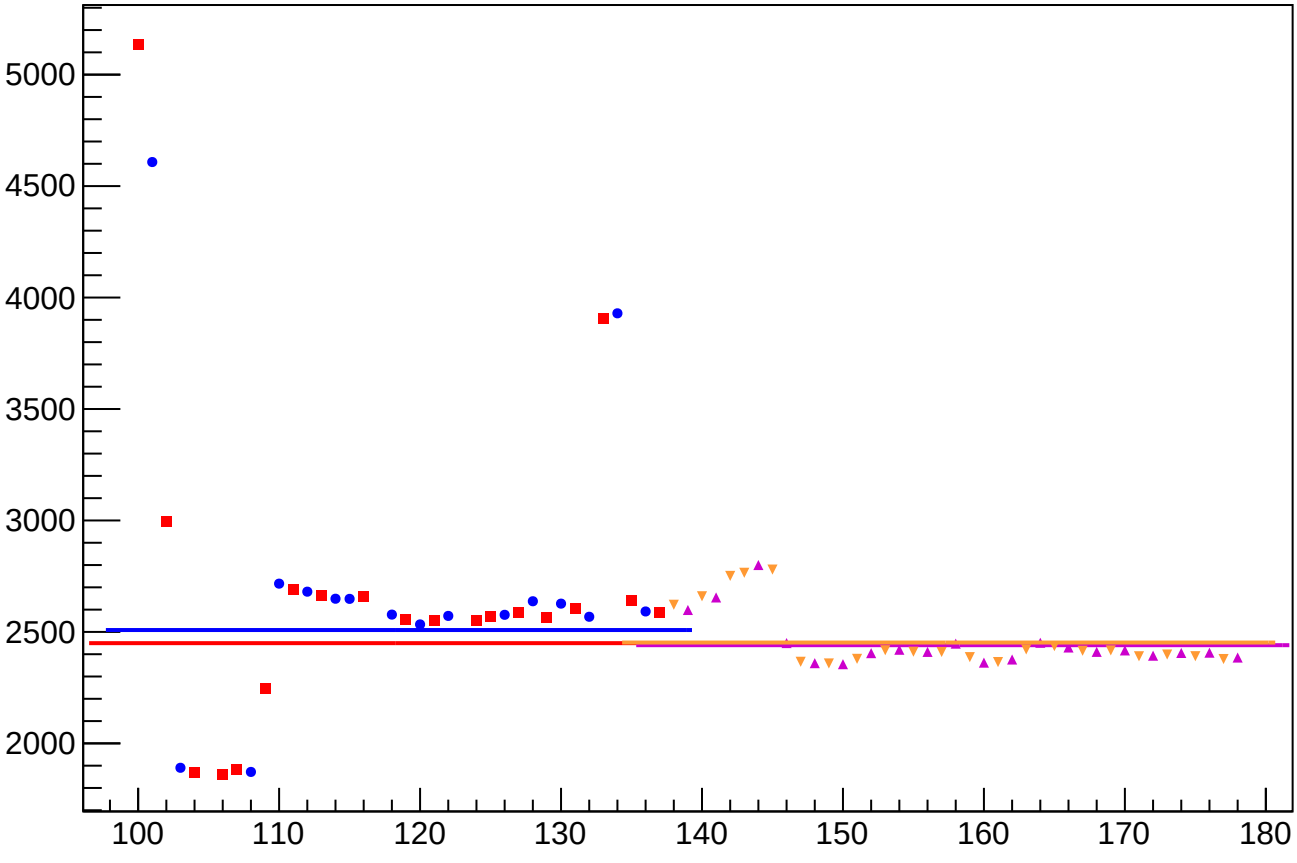
Left In: -3312.023+/-604.187 χ^2/NDF:10.8/19

+ sign 1832.893+/-508.347 χ^2/NDF: 45.1/36

All: -584.625+/-358.397 χ^2/NDF: 116.8/75

- sign -2973.881+/-505.367 χ^2/NDF: 26.7/38

reg_asym_atr2_rms vs Slug



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2452.378+/-0.425 χ^2/NDF:87496.7/20

Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

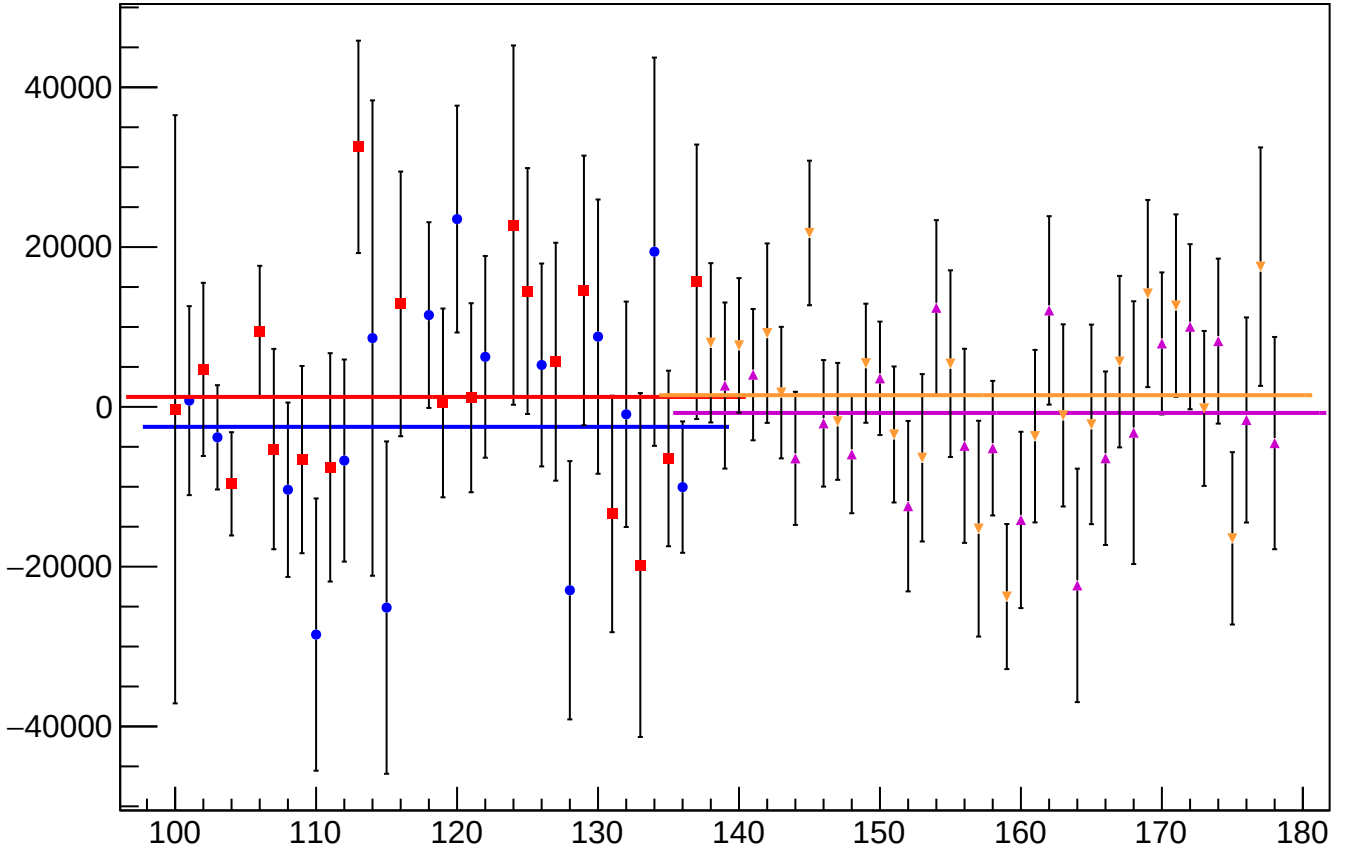
Left In: 2440.499+/-0.427 χ^2/NDF:58168.5/19

+ sign 2468.372+/-0.359 χ^2/NDF: 704049.5/36

All: 2455.732+/-0.253 χ^2/NDF: 1201714.6/75

- sign 2443.240+/-0.357 χ^2/NDF: 495206.5/38

asym_atr2_reg_correction_mean vs Slug



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 1463.134+/-2163.545 χ^2/NDF:23.8/20

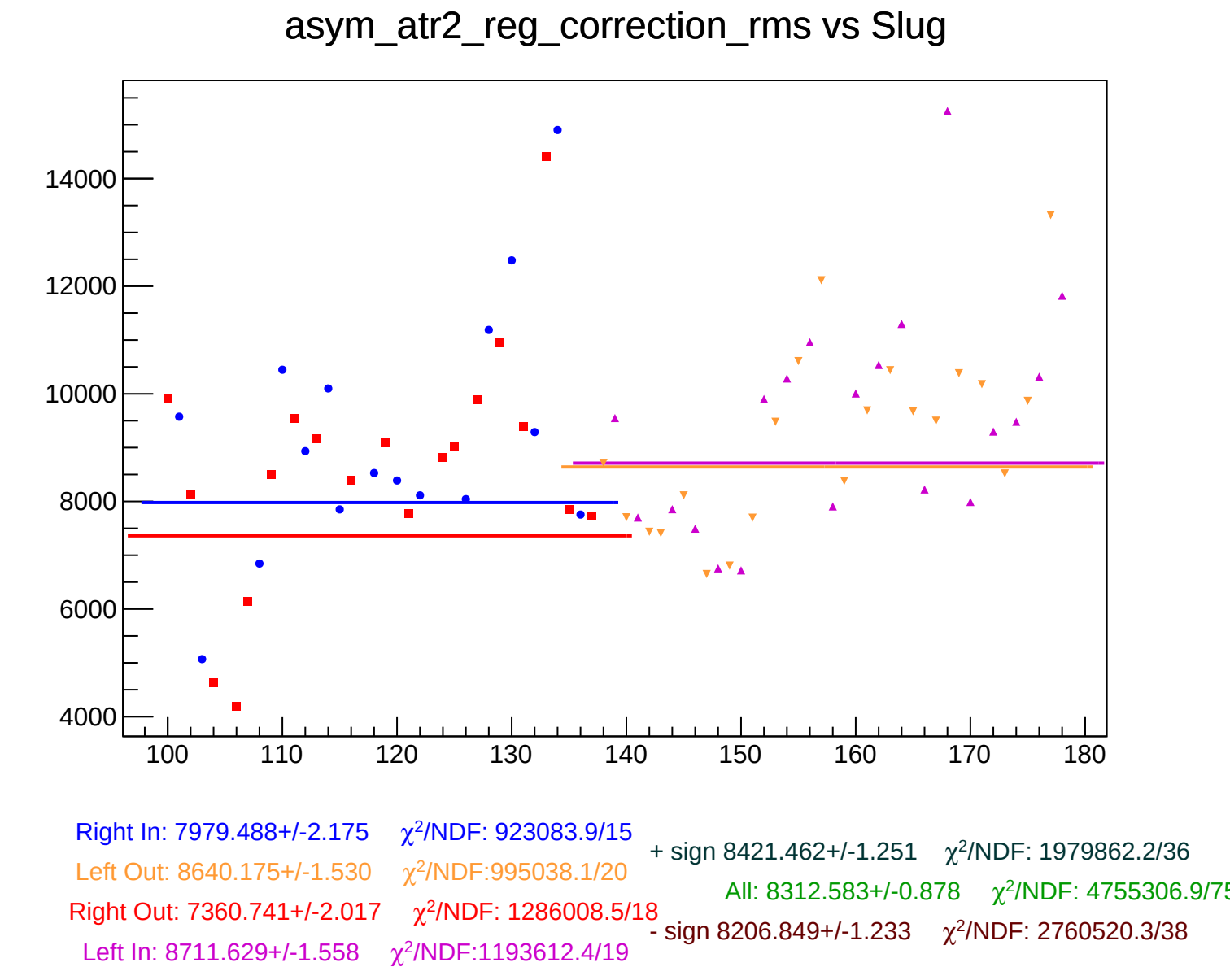
Right Out: 1244.352+/-2852.739 χ^2/NDF: 16.6/18

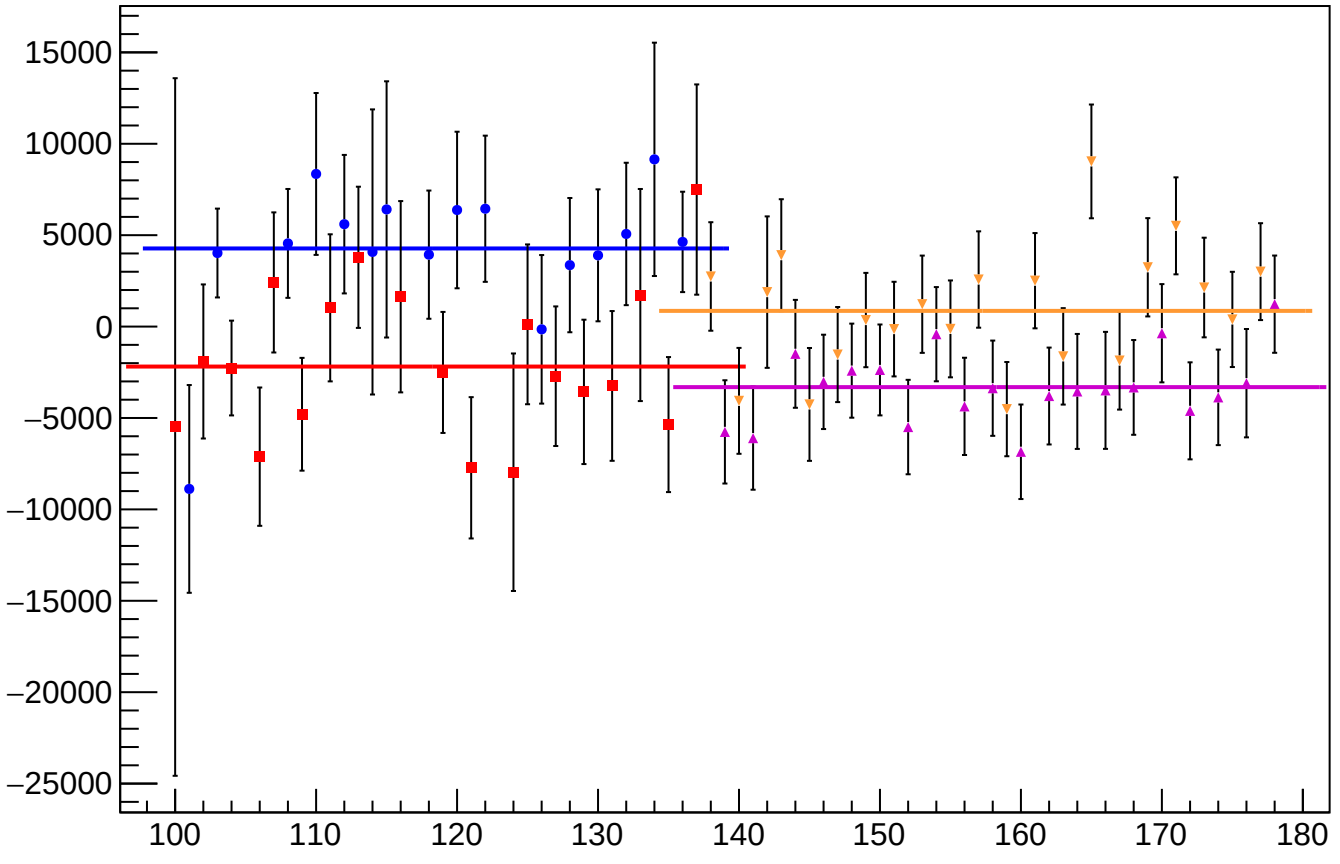
Left In: -758.061+/-2203.436 χ^2/NDF:12.9/19

+ sign 150.983+/-1769.565 χ^2/NDF: 38.7/36

All: 69.399+/-1242.072 χ^2/NDF: 68.5/75

- sign -9.829+/-1743.828 χ^2/NDF: 29.8/38


asym_atr2_reg_correction_rms vs Slug
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
180
Right In: 7979.488+/-2.175 χ²/NDF: 923083.9/15
Left Out: 8640.175+/-1.530 χ²/NDF:995038.1/20
Right Out: 7360.741+/-2.017 χ²/NDF: 1286008.5/18
Left In: 8711.629+/-1.558 χ²/NDF:1193612.4/19
+ sign 8421.462+/-1.251 χ²/NDF: 1979862.2/36
All: 8312.583+/-0.878 χ²/NDF: 4755306.9/75
- sign 8206.849+/-1.233 χ²/NDF: 2760520.3/38



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 858.808+/-601.250 χ^2/NDF:27.0/20

Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

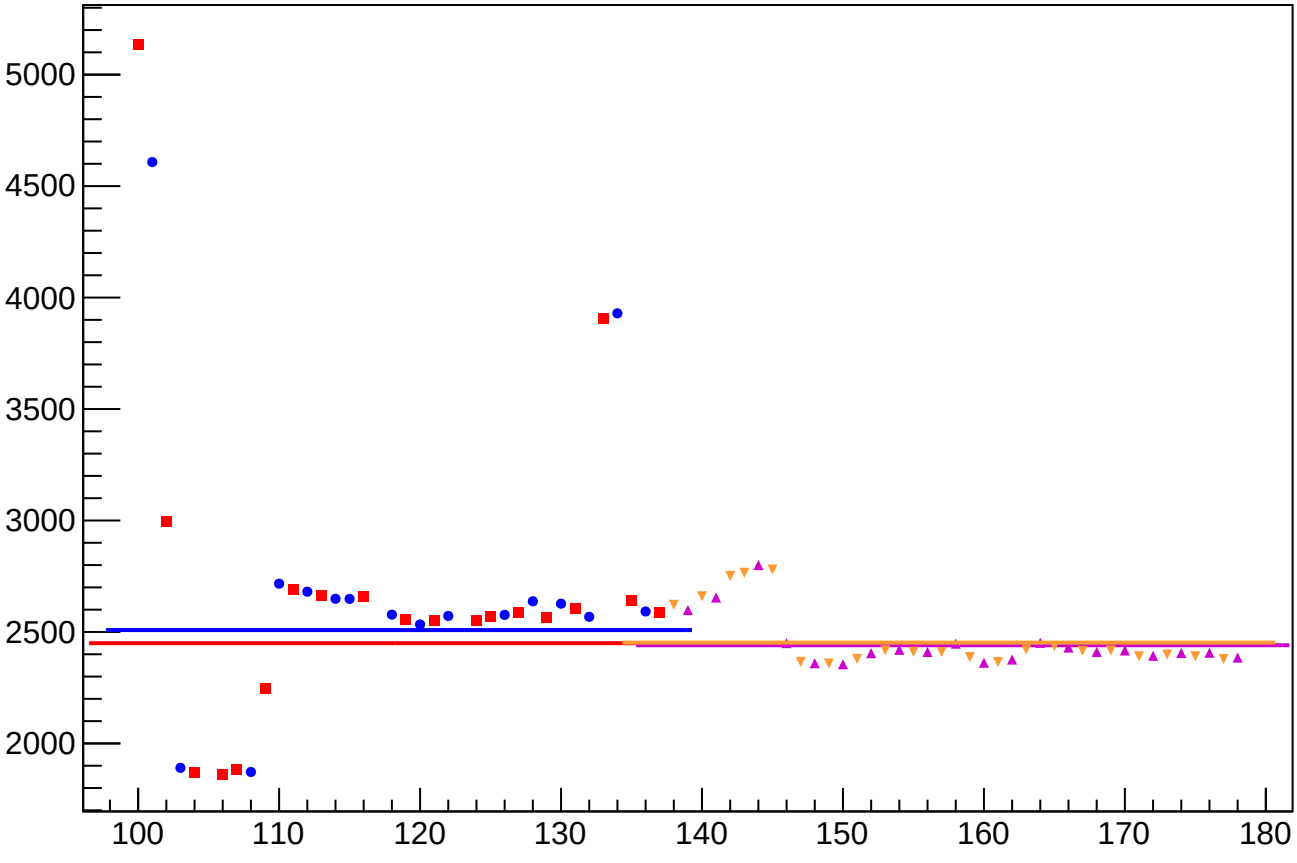
Left In: -3311.863+/-604.187 χ^2/NDF:10.8/19

+ sign 1832.651+/-508.347 χ^2/NDF: 45.1/36

All: -584.780+/-358.398 χ^2/NDF: 116.8/75

- sign -2973.960+/-505.368 χ^2/NDF: 26.7/38

cor_asym_atr2_rms vs Slug



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2452.378+/-0.425 χ^2/NDF:87496.7/20

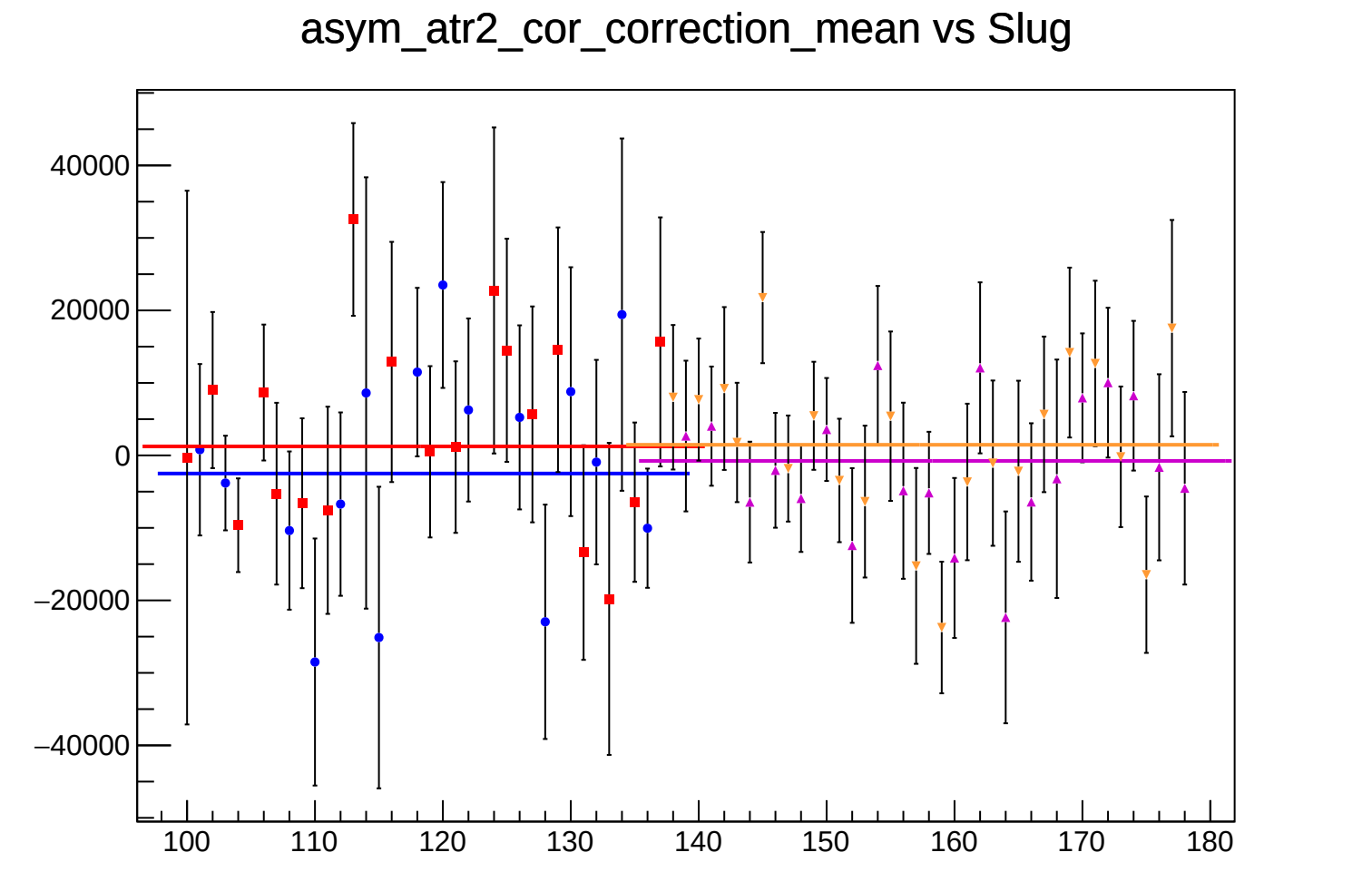
Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2440.499+/-0.427 χ^2/NDF:58168.5/19

+ sign 2468.372+/-0.359 χ^2/NDF: 704047.4/36

All: 2455.736+/-0.253 χ^2/NDF: 1201657.5/75

- sign 2443.247+/-0.357 χ^2/NDF: 495152.8/38



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 1463.145+/-2163.542 χ^2/NDF:23.8/20

Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

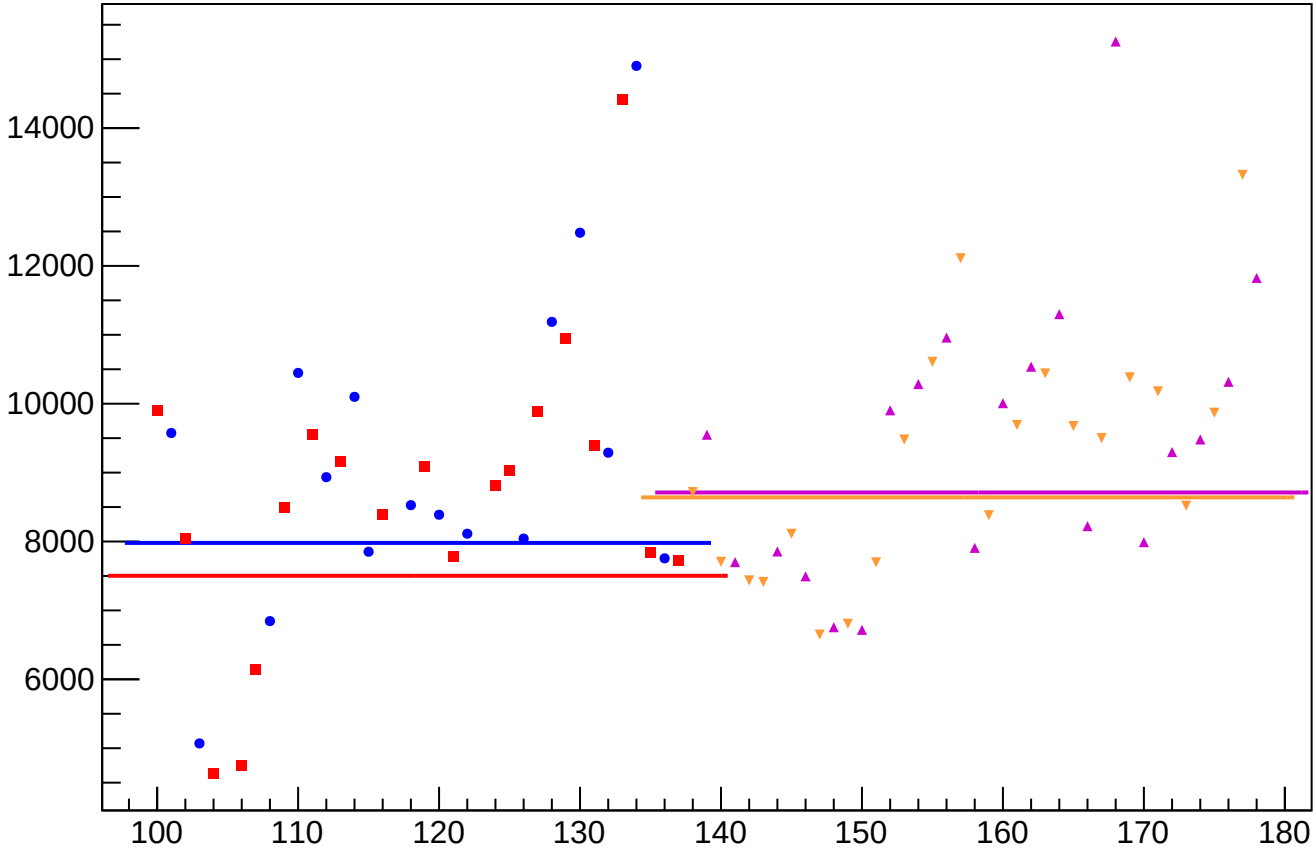
Left In: -758.068+/-2203.435 χ^2/NDF:12.9/19

+ sign 151.117+/-1769.580 χ^2/NDF: 38.7/36

All: 62.378+/-1245.381 χ^2/NDF: 68.5/75

- sign -24.706+/-1753.006 χ^2/NDF: 29.8/38

asym_atr2_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 8640.161+/-1.530 χ^2/NDF:995045.8/20

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

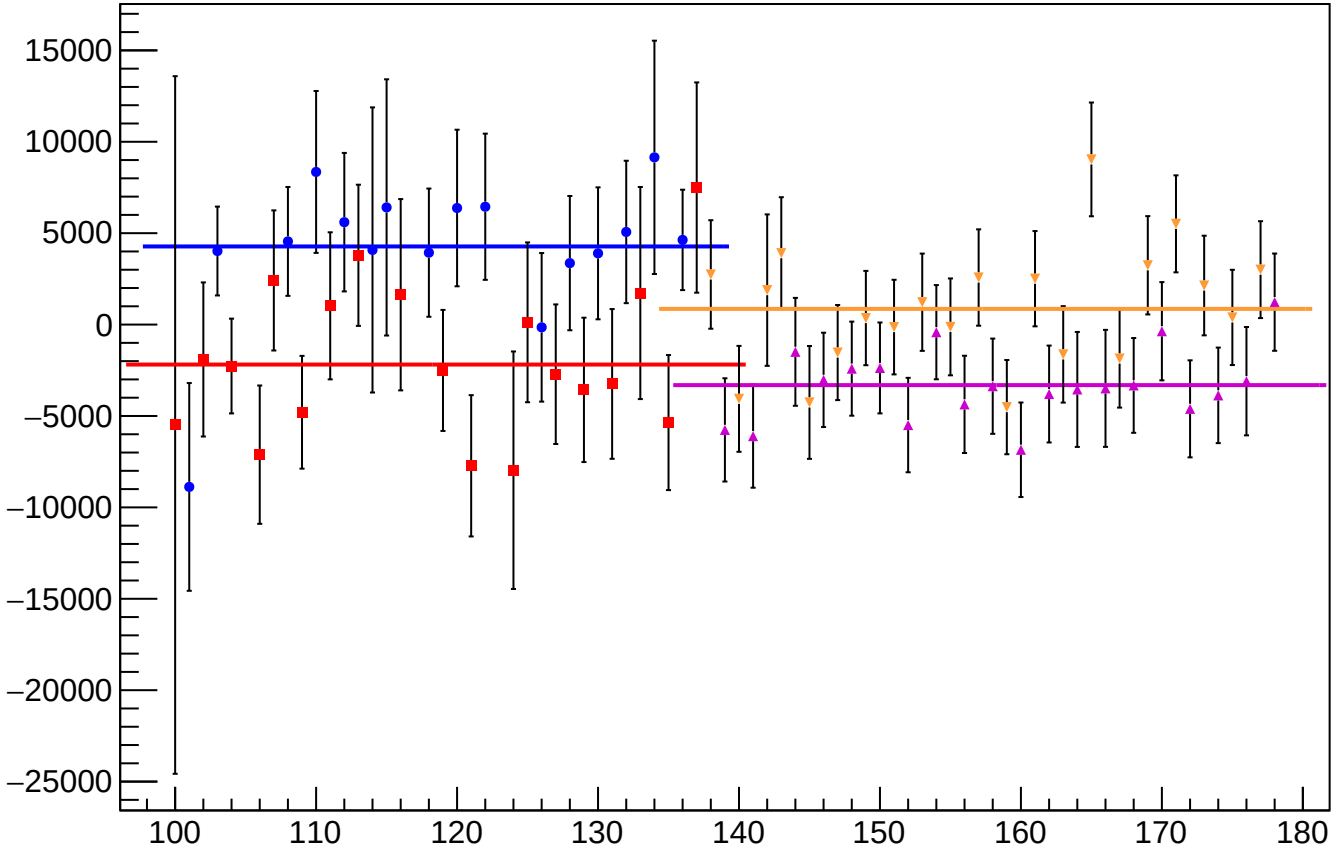
Left In: 8711.626+/-1.558 χ^2/NDF:1193616.0/19

+ sign 8421.569+/-1.251 χ^2/NDF: 1979506.0/36

All: 8344.001+/-0.881 χ^2/NDF: 4537248.3/75

- sign 8267.879+/-1.240 χ^2/NDF: 2550128.2/38

eigen_cor_asym_atr2_mean vs Slug



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 858.808+/-601.250 χ^2/NDF:27.0/20

Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

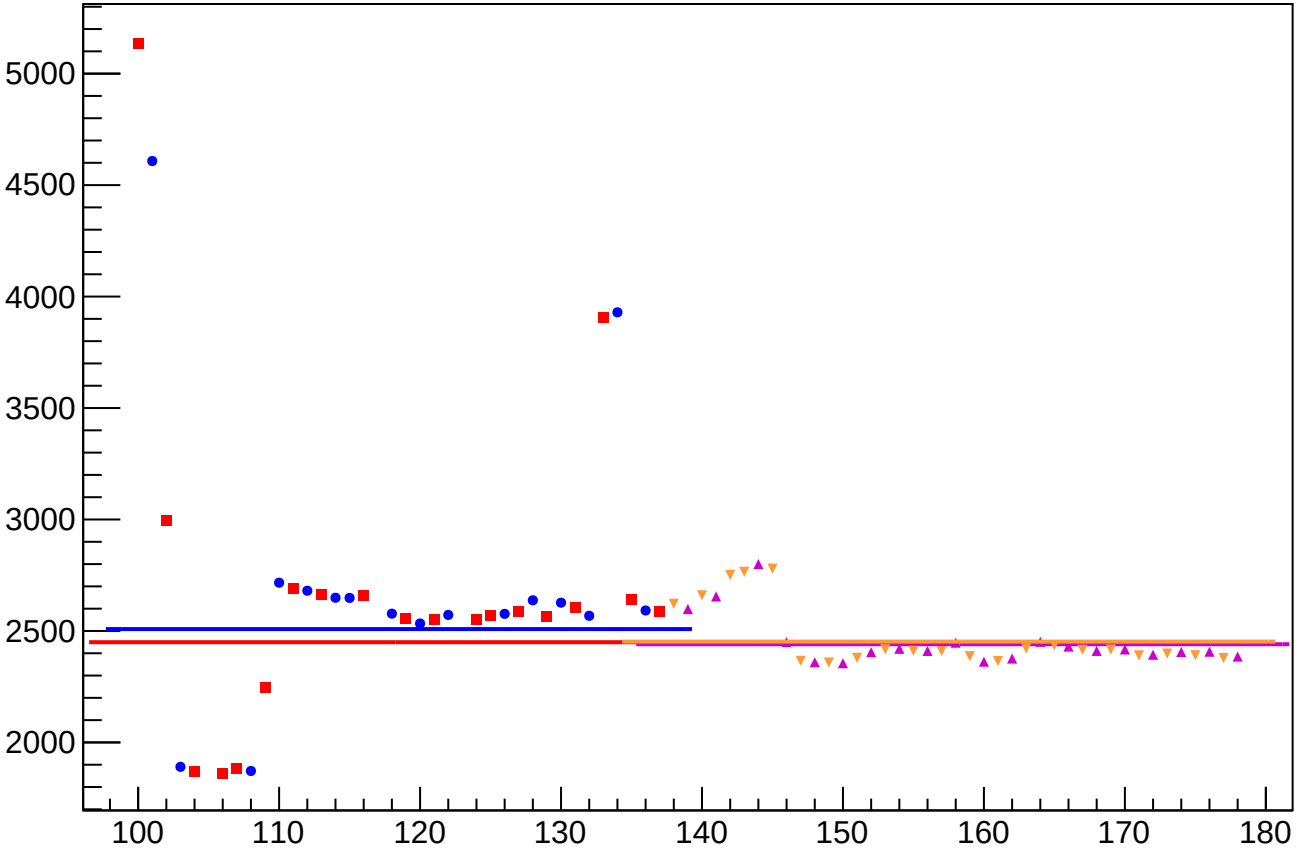
Left In: -3311.863+/-604.187 χ^2/NDF:10.8/19

+ sign 1832.651+/-508.347 χ^2/NDF: 45.1/36

All: -584.780+/-358.398 χ^2/NDF: 116.8/75

- sign -2973.960+/-505.368 χ^2/NDF: 26.7/38

eigen_cor_asym_atr2_rms vs Slug



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2452.378+/-0.425 χ^2/NDF:87496.7/20

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

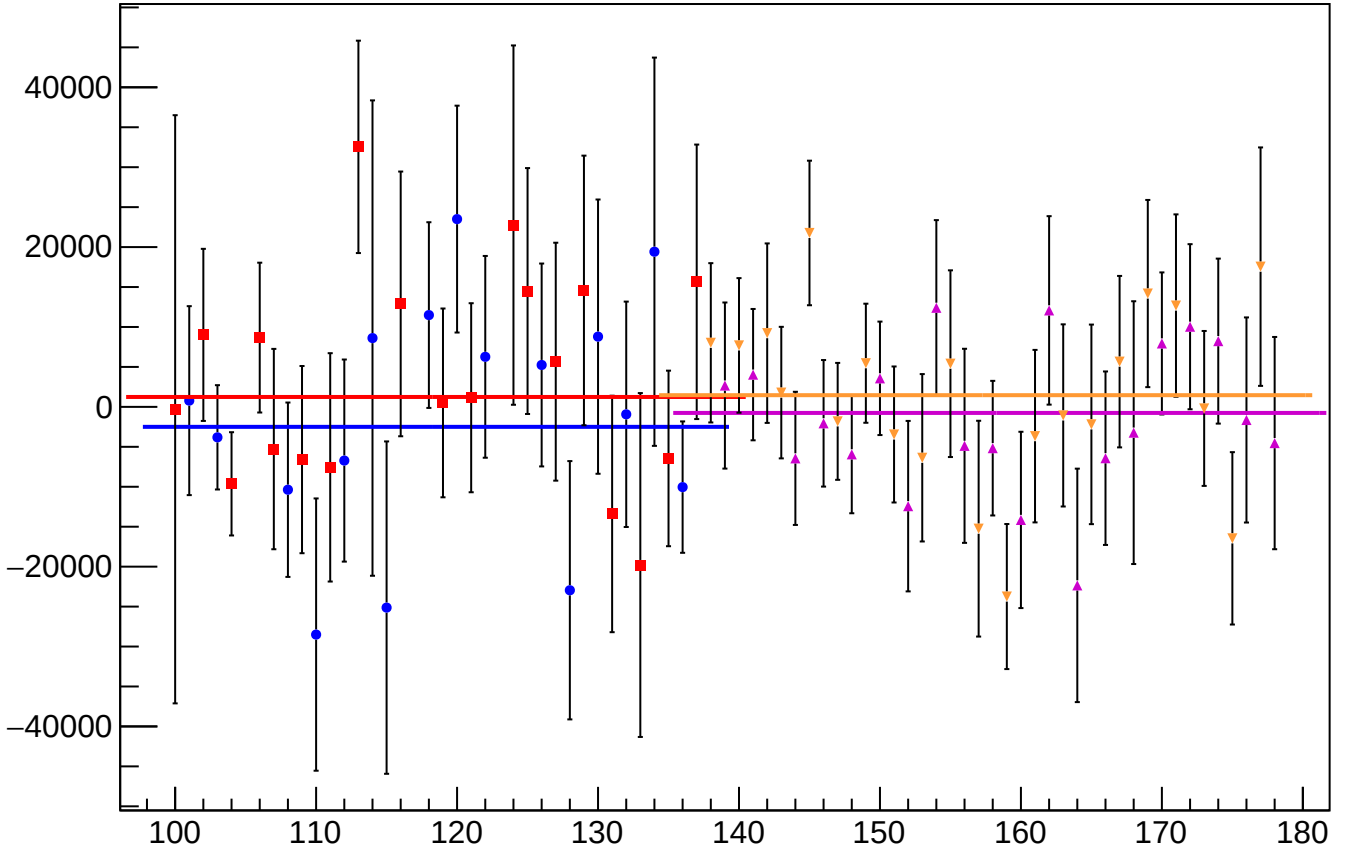
Left In: 2440.499+/-0.427 χ^2/NDF:58168.5/19

+ sign 2468.372+/-0.359 χ^2/NDF: 704047.4/36

All: 2455.736+/-0.253 χ^2/NDF: 1201657.5/75

- sign 2443.247+/-0.357 χ^2/NDF: 495152.8/38

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 1463.145+/-2163.542 χ^2/NDF:23.8/20

Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

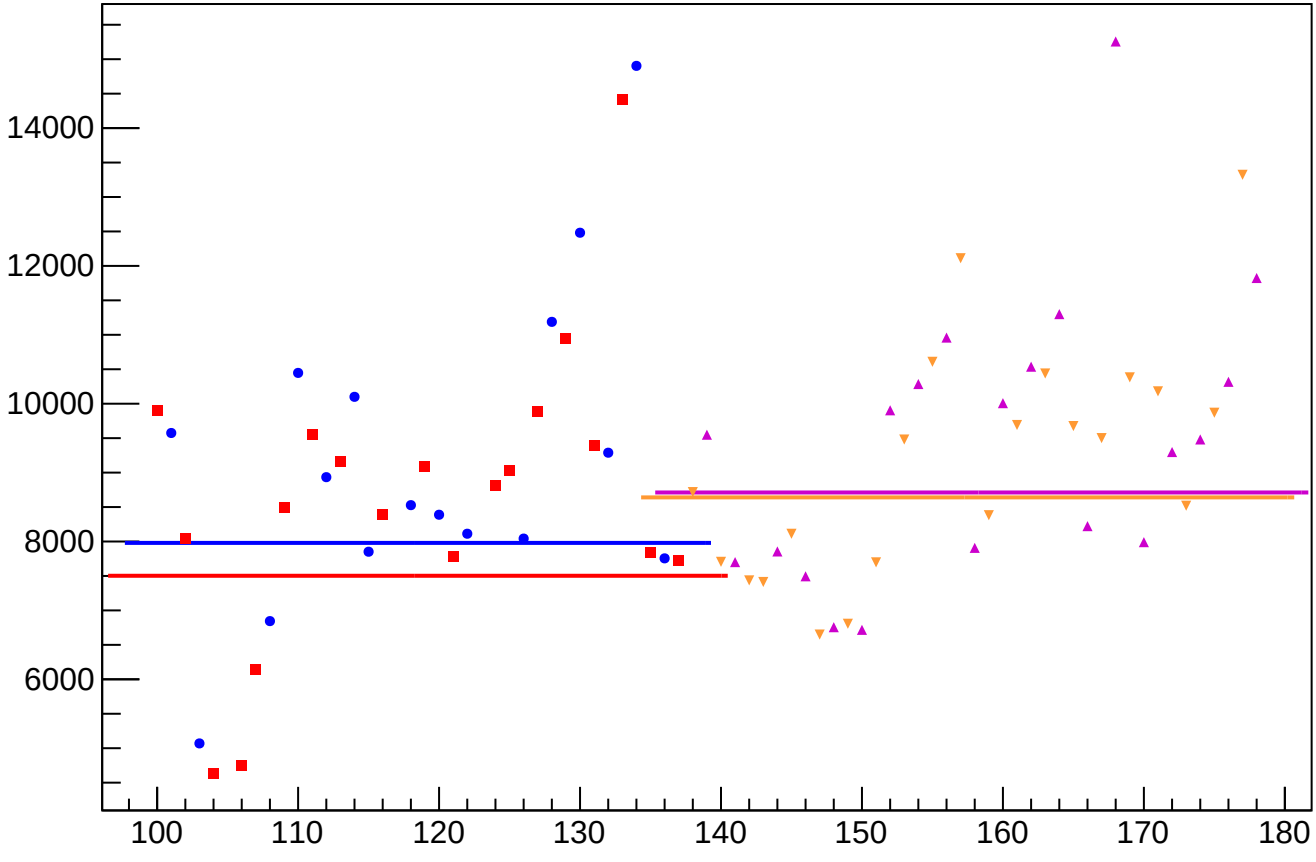
Left In: -758.068+/-2203.435 χ^2/NDF:12.9/19

+ sign 151.117+/-1769.580 χ^2/NDF: 38.7/36

All: 62.378+/-1245.381 χ^2/NDF: 68.5/75

- sign -24.706+/-1753.006 χ^2/NDF: 29.8/38

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 8640.161+/-1.530 χ^2/NDF:995045.8/20

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

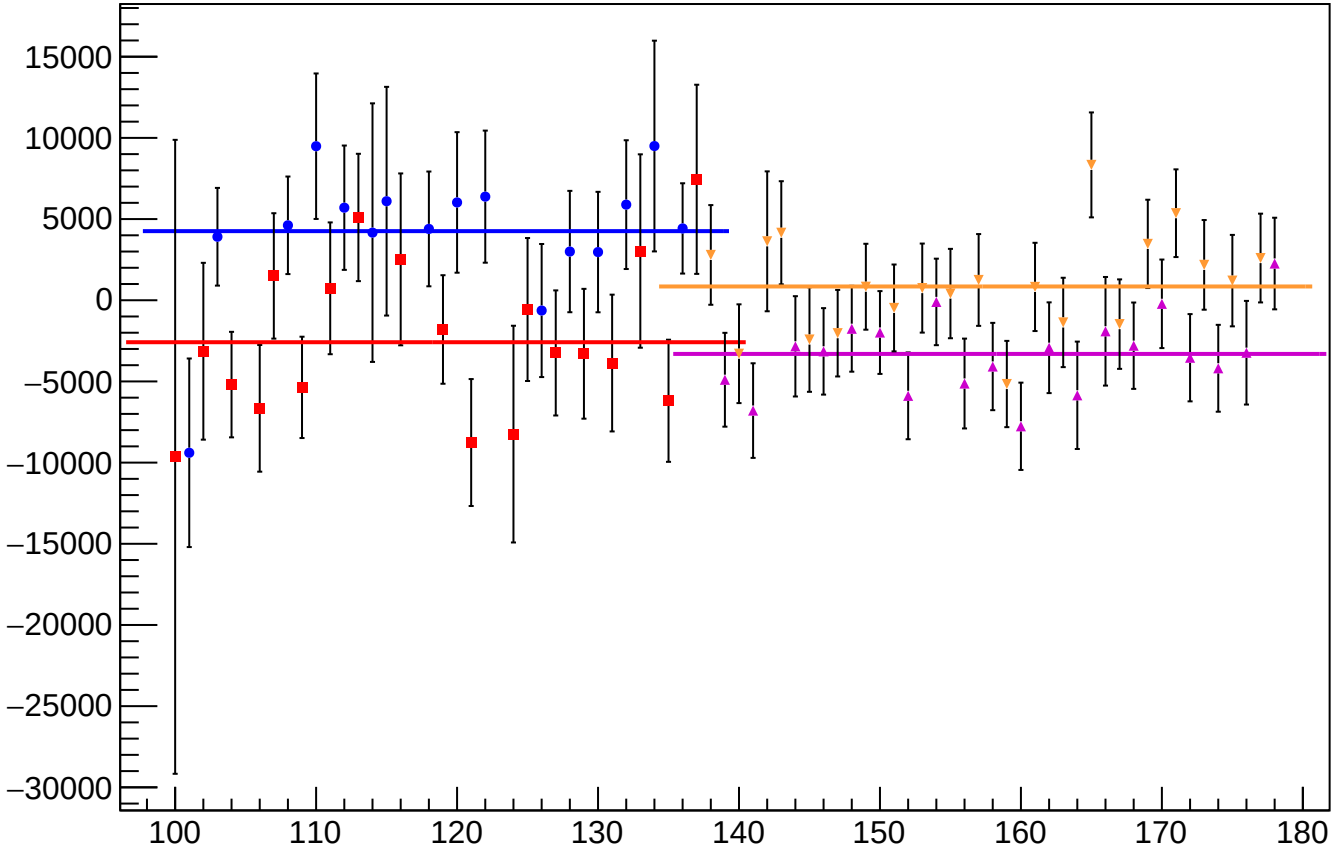
Left In: 8711.626+/-1.558 χ^2/NDF:1193616.0/19

+ sign 8421.569+/-1.251 χ^2/NDF: 1979506.0/36

All: 8344.001+/-0.881 χ^2/NDF: 4537248.3/75

- sign 8267.879+/-1.240 χ^2/NDF: 2550128.2/38

dit_asym_atr2_mean vs Slug



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: 848.551+/-622.923 χ^2/NDF:22.5/20

Right Out: -2584.689+/-966.049 χ^2/NDF: 17.6/18

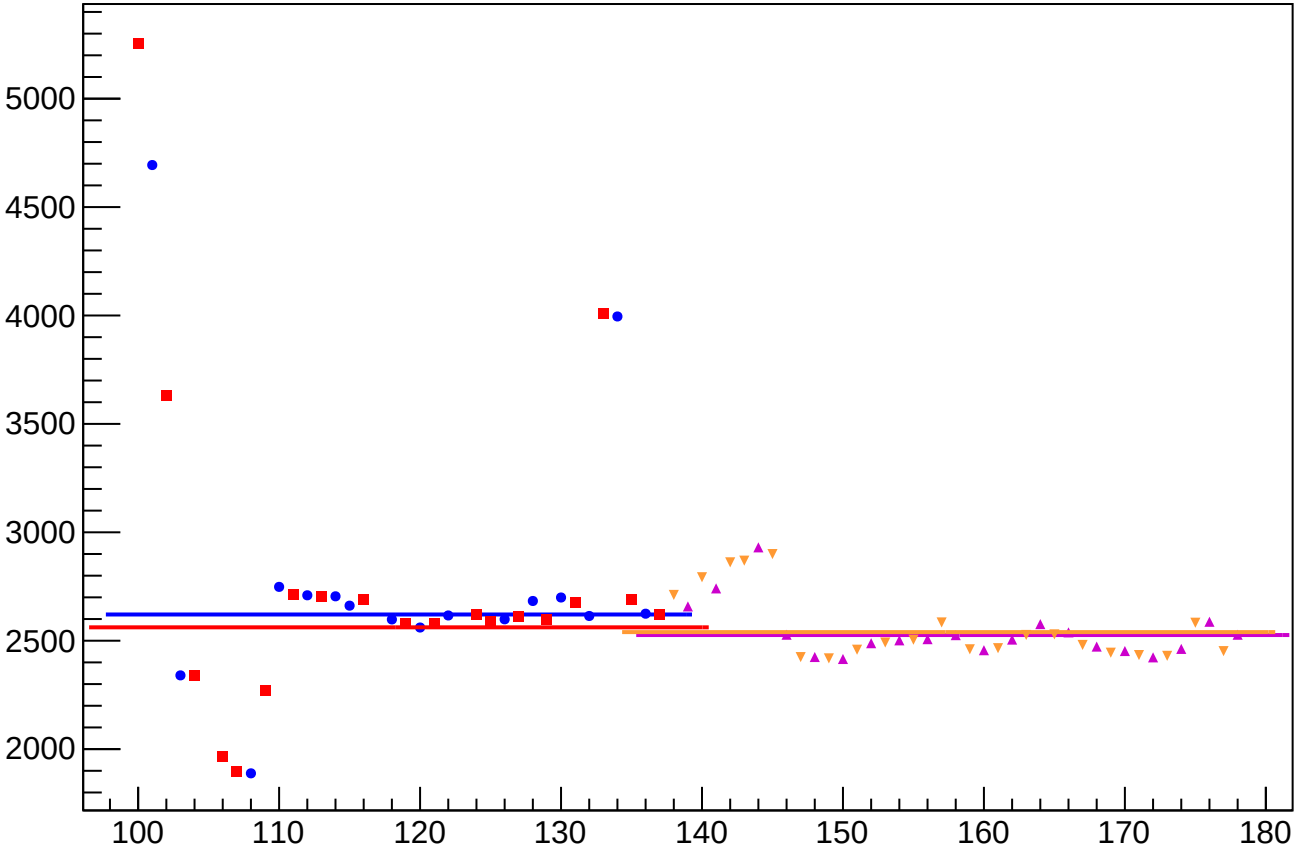
Left In: -3305.839+/-625.598 χ^2/NDF:14.1/19

+ sign 1814.500+/-527.318 χ^2/NDF: 41.0/36

All: -649.443+/-372.086 χ^2/NDF: 116.6/75

- sign -3092.768+/-525.108 χ^2/NDF: 32.2/38

dit_asym_atr2_rms vs Slug



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2539.731+/-0.440 χ^2/NDF:104401.2/20

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

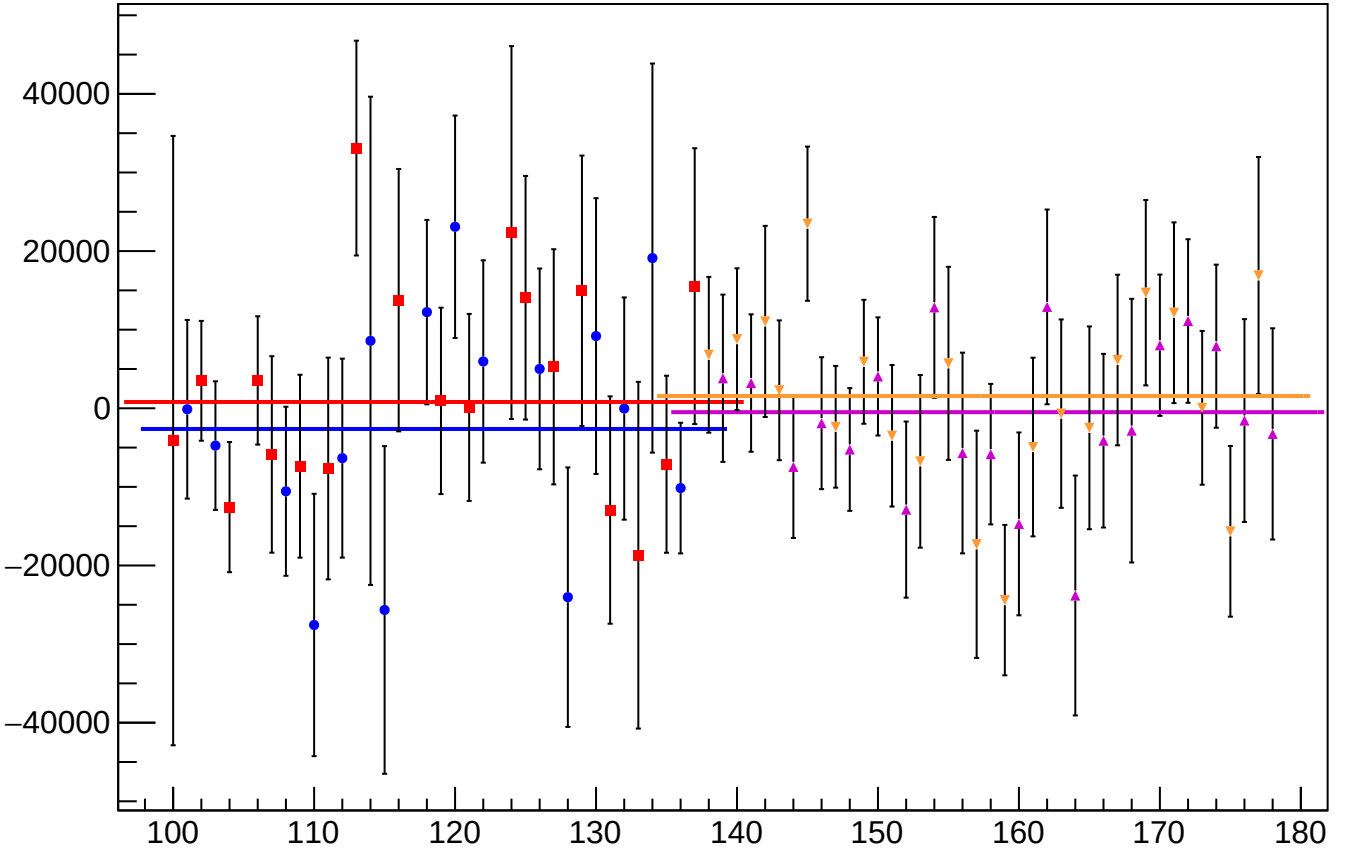
Left In: 2526.193+/-0.442 χ^2/NDF:65753.6/19

+ sign 2562.752+/-0.373 χ^2/NDF: 599954.2/36

All: 2549.668+/-0.263 χ^2/NDF: 1048326.3/75

- sign 2536.698+/-0.371 χ^2/NDF: 445920.2/38

asym_atr2_dit_correction_mean vs Slug



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 1560.803+/-2263.001 χ^2/NDF:23.5/20

Right Out: 802.880+/-2872.934 χ^2/NDF: 15.4/18

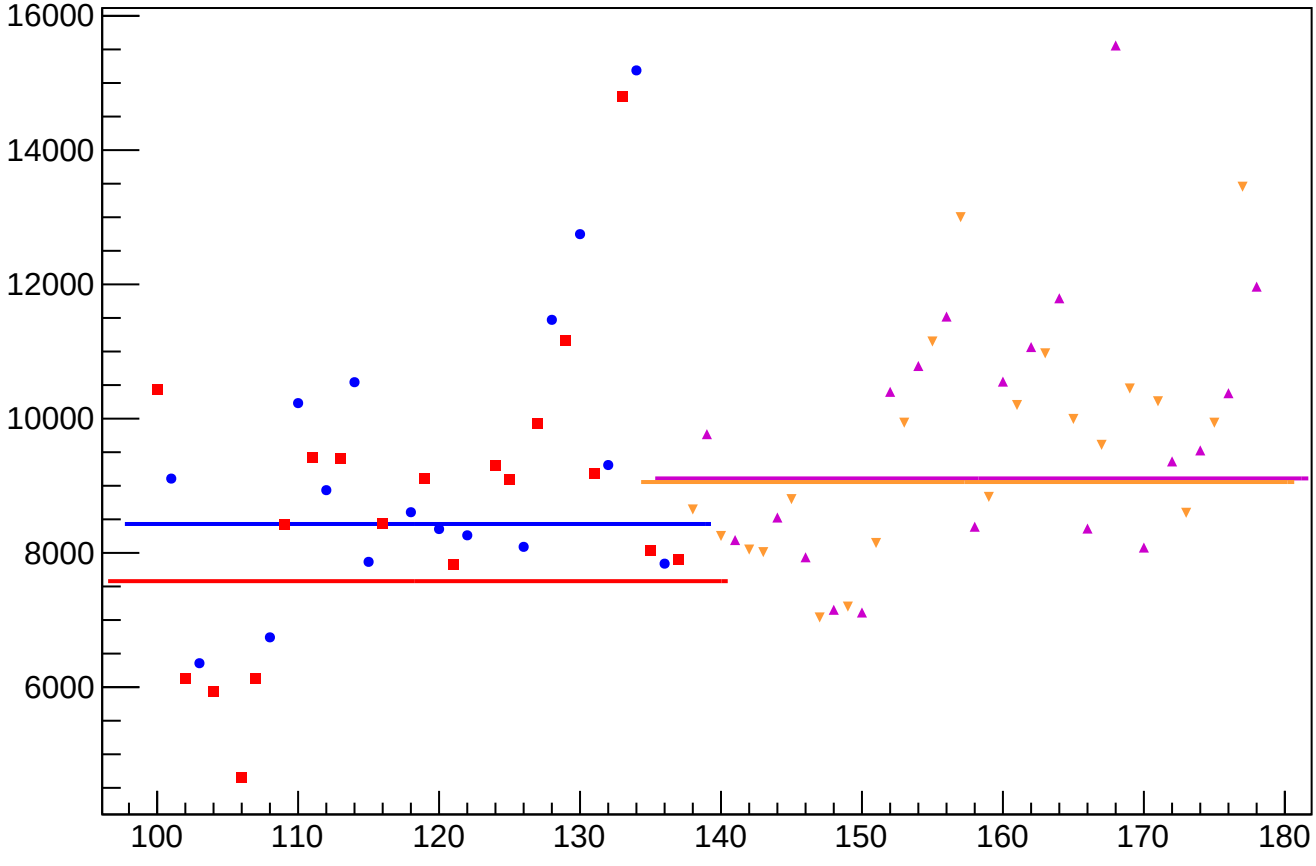
Left In: -493.058+/-2300.112 χ^2/NDF:12.8/19

+ sign 169.695+/-1849.869 χ^2/NDF: 38.4/36

All: 89.089+/-1288.420 χ^2/NDF: 66.7/75

- sign 13.147+/-1795.548 χ^2/NDF: 28.3/38

asym_atr2_dit_correction_rms vs Slug



Right In: 8430.768+/-2.271 χ^2/NDF: 580295.1/15

Left Out: 9055.853+/-1.600 χ^2/NDF:874900.5/20

Right Out: 7579.112+/-2.031 χ^2/NDF: 974126.9/18

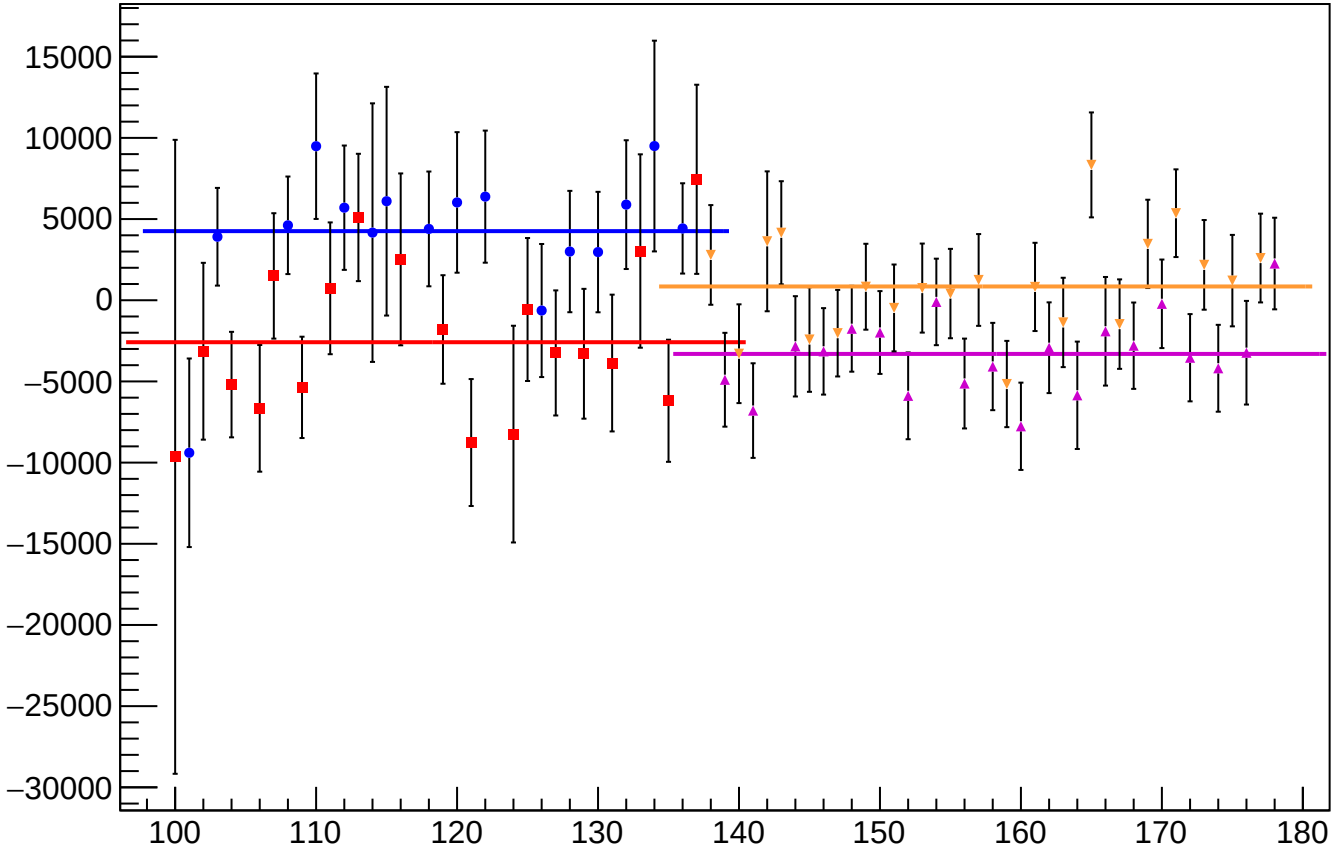
Left In: 9109.452+/-1.626 χ^2/NDF:1084992.9/19

+ sign 8848.455+/-1.308 χ^2/NDF: 1505824.9/36

All: 8675.054+/-0.911 χ^2/NDF: 3944894.6/75

- sign 8511.687+/-1.270 χ^2/NDF: 2404940.0/38

eigen_dit_asym_atr2_mean vs Slug



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: 848.541+/-622.924 χ^2/NDF:22.5/20

Right Out: -2584.699+/-966.048 χ^2/NDF: 17.6/18

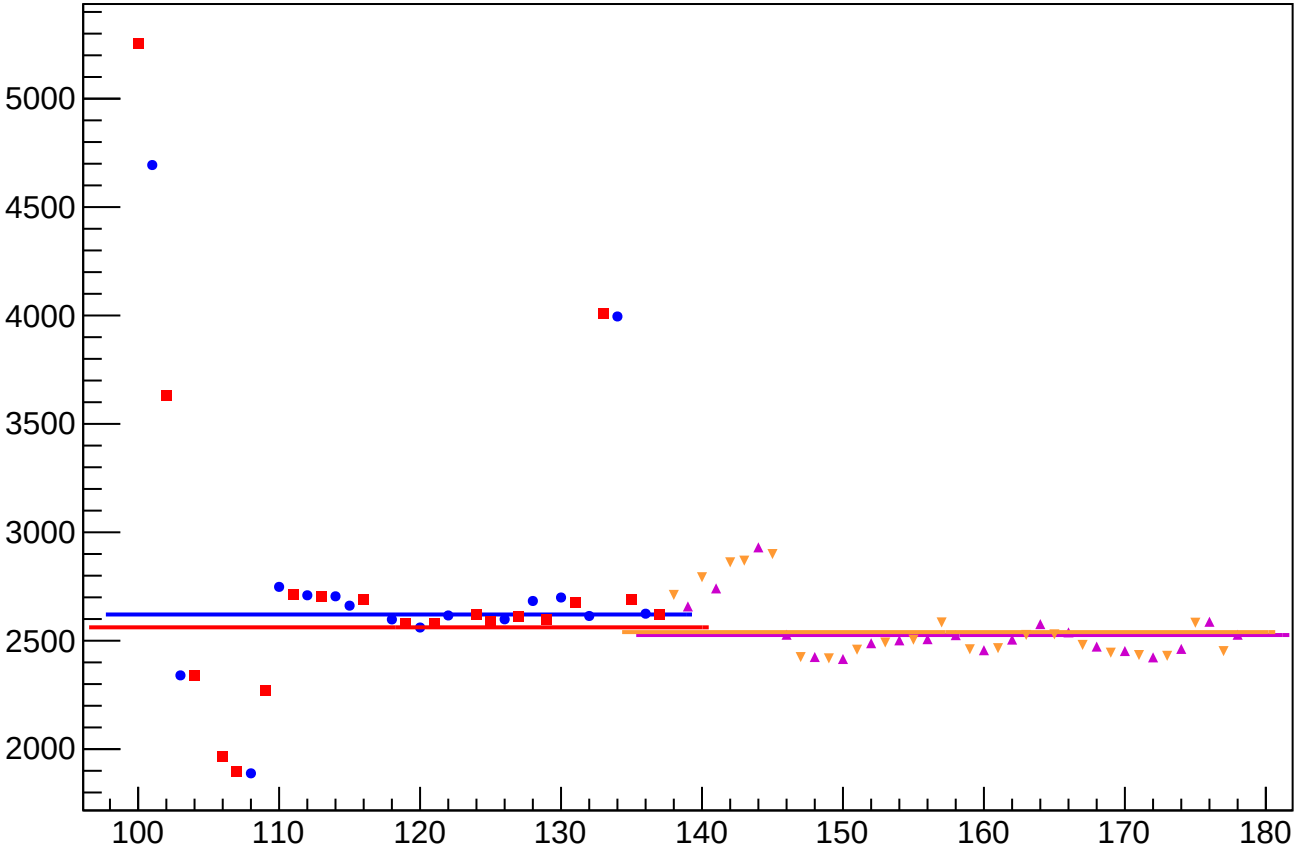
Left In: -3305.843+/-625.599 χ^2/NDF:14.1/19

+ sign 1814.496+/-527.319 χ^2/NDF: 41.0/36

All: -649.447+/-372.087 χ^2/NDF: 116.6/75

- sign -3092.774+/-525.108 χ^2/NDF: 32.2/38

eigen_dit_asym_atr2_rms vs Slug



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2539.733+/-0.440 χ^2/NDF:104401.4/20

Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

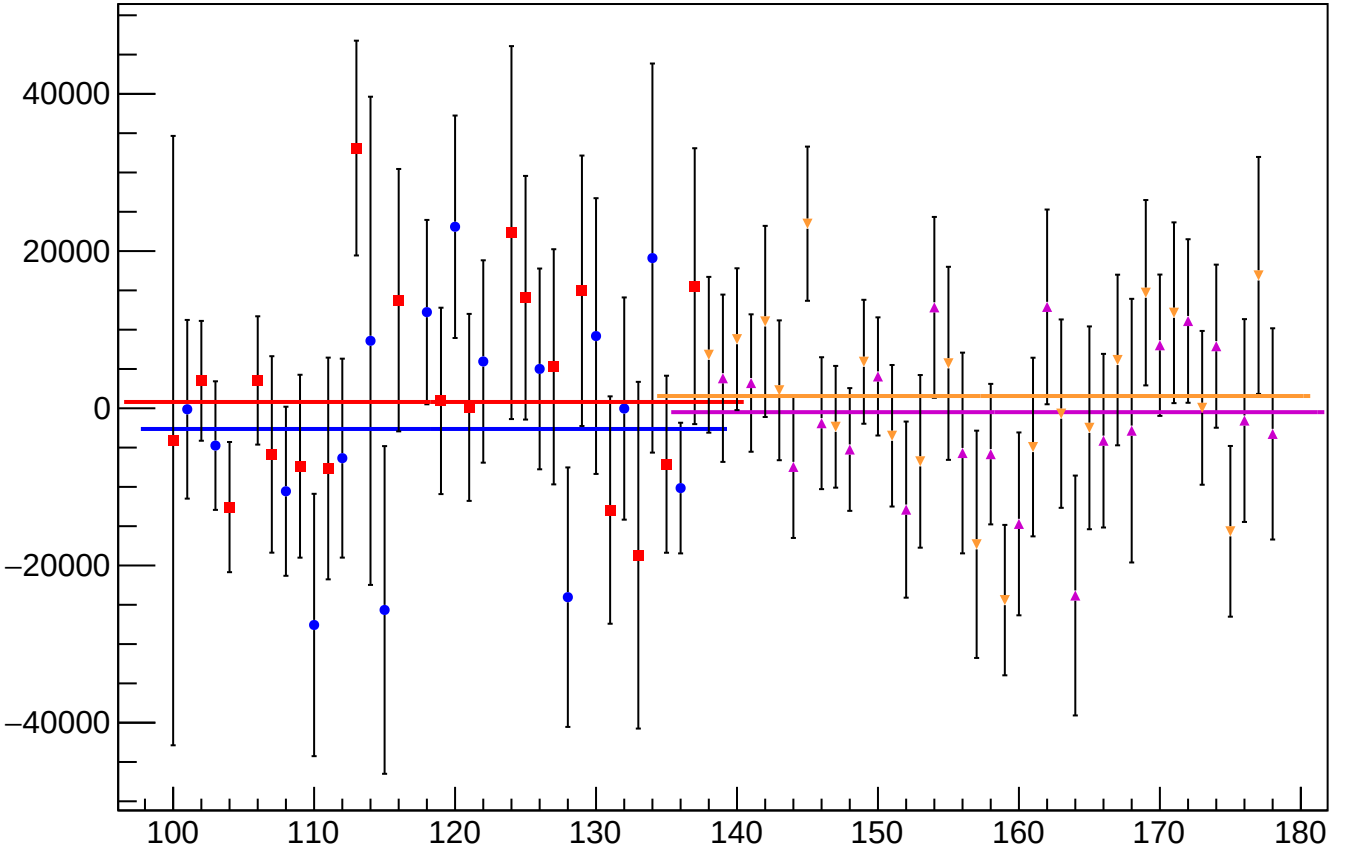
Left In: 2526.195+/-0.442 χ^2/NDF:65753.4/19

+ sign 2562.753+/-0.373 χ^2/NDF: 599954.0/36

All: 2549.669+/-0.263 χ^2/NDF: 1048325.1/75

- sign 2536.699+/-0.371 χ^2/NDF: 445919.2/38

asym_atr2_eigen_dit_correction_mean vs Slug



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 1560.800+/-2263.005 χ^2/NDF:23.5/20

Right Out: 802.875+/-2872.930 χ^2/NDF: 15.4/18

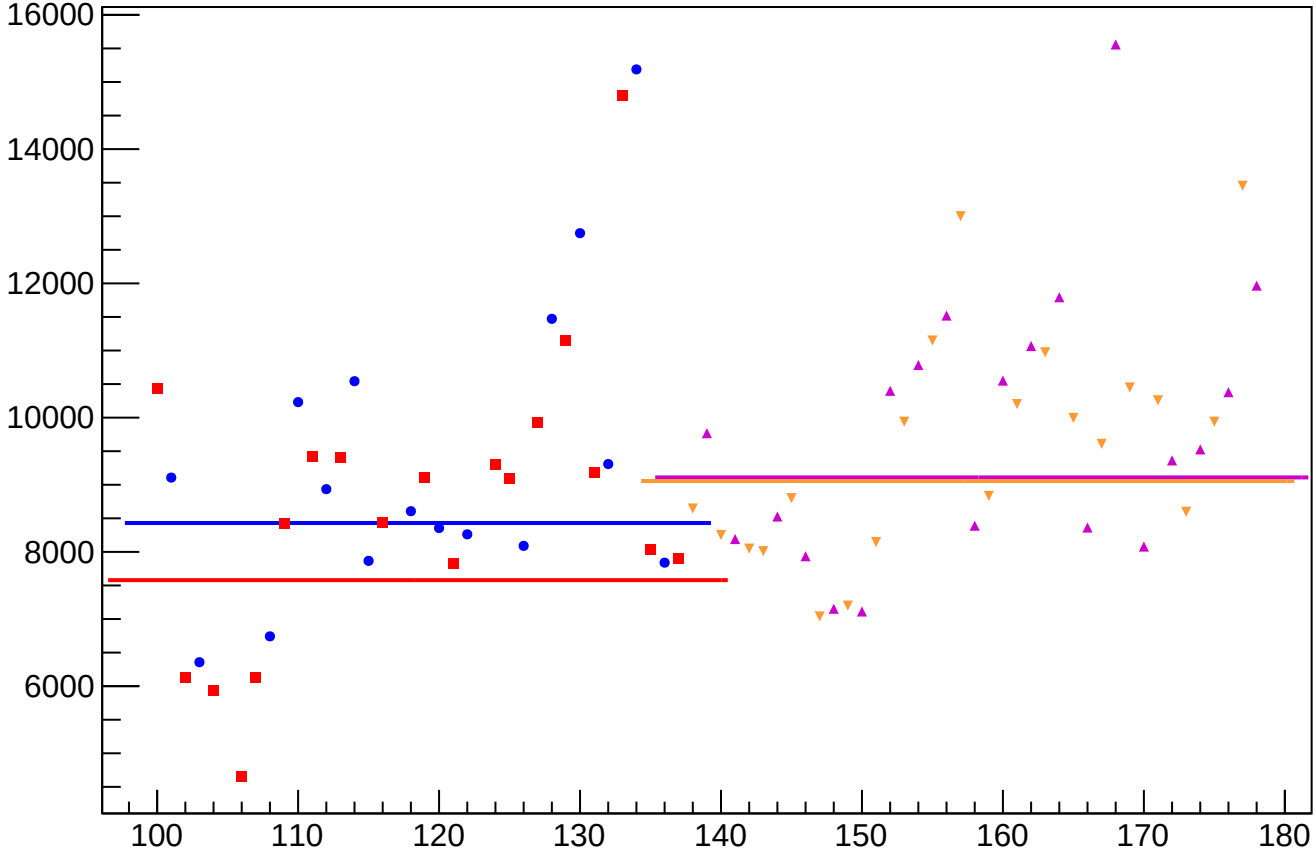
Left In: -493.055+/-2300.116 χ^2/NDF:12.8/19

\+ sign 169.699+/-1849.870 χ^2/NDF: 38.4/36

All: 89.092+/-1288.421 χ^2/NDF: 66.7/75

\- sign 13.149+/-1795.548 χ^2/NDF: 28.3/38

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 8430.758+/-2.271 χ^2/NDF: 580289.4/15

Left Out: 9055.867+/-1.600 χ^2/NDF:874900.5/20

Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

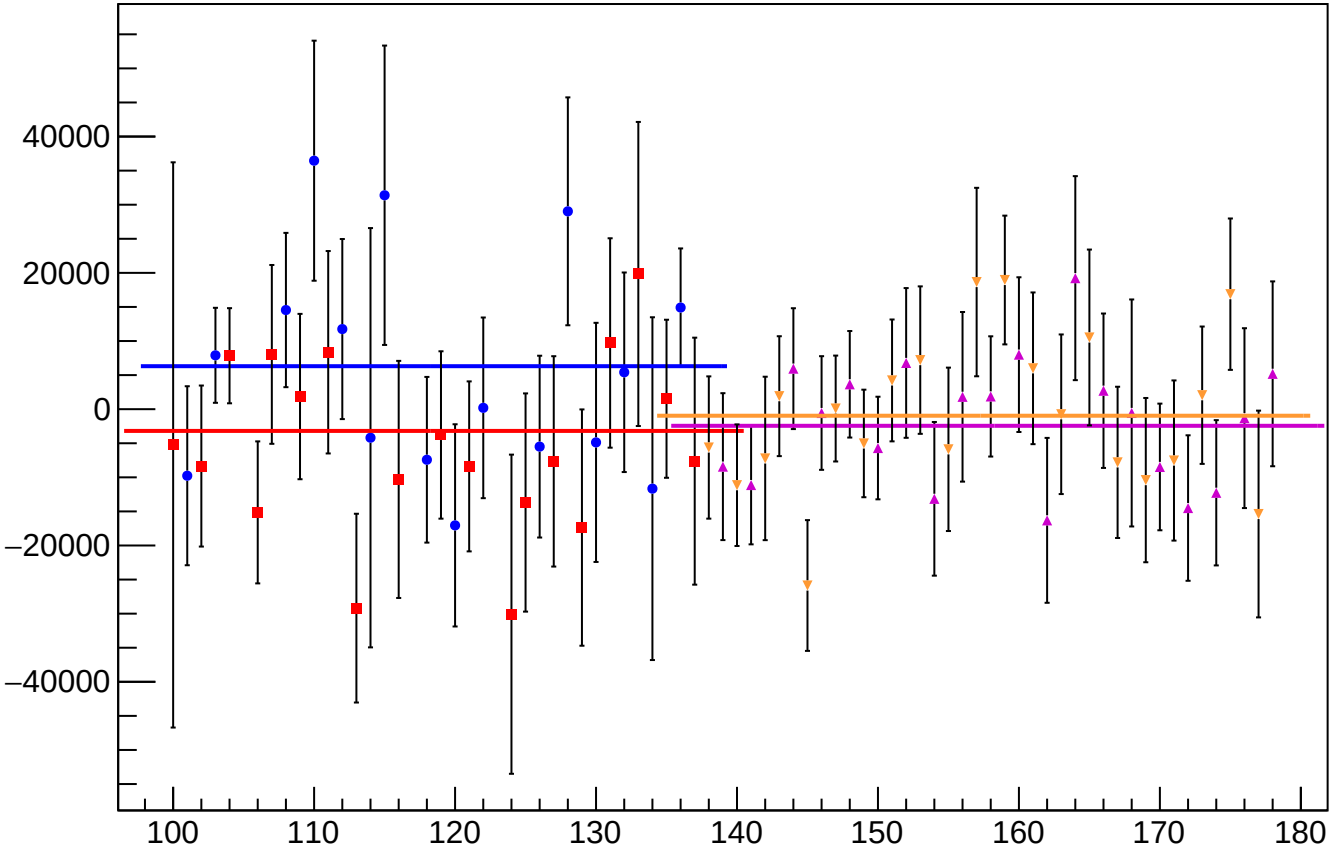
Left In: 9109.466+/-1.626 χ^2/NDF:1084995.2/19

+ sign 8848.461+/-1.308 χ^2/NDF: 1505823.3/36

All: 8675.058+/-0.911 χ^2/NDF: 3944904.1/75

- sign 8511.689+/-1.270 χ^2/NDF: 2404950.4/38

asym_atr2_mean vs Slug



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -960.297+/-2261.538 χ^2/NDF:22.5/20

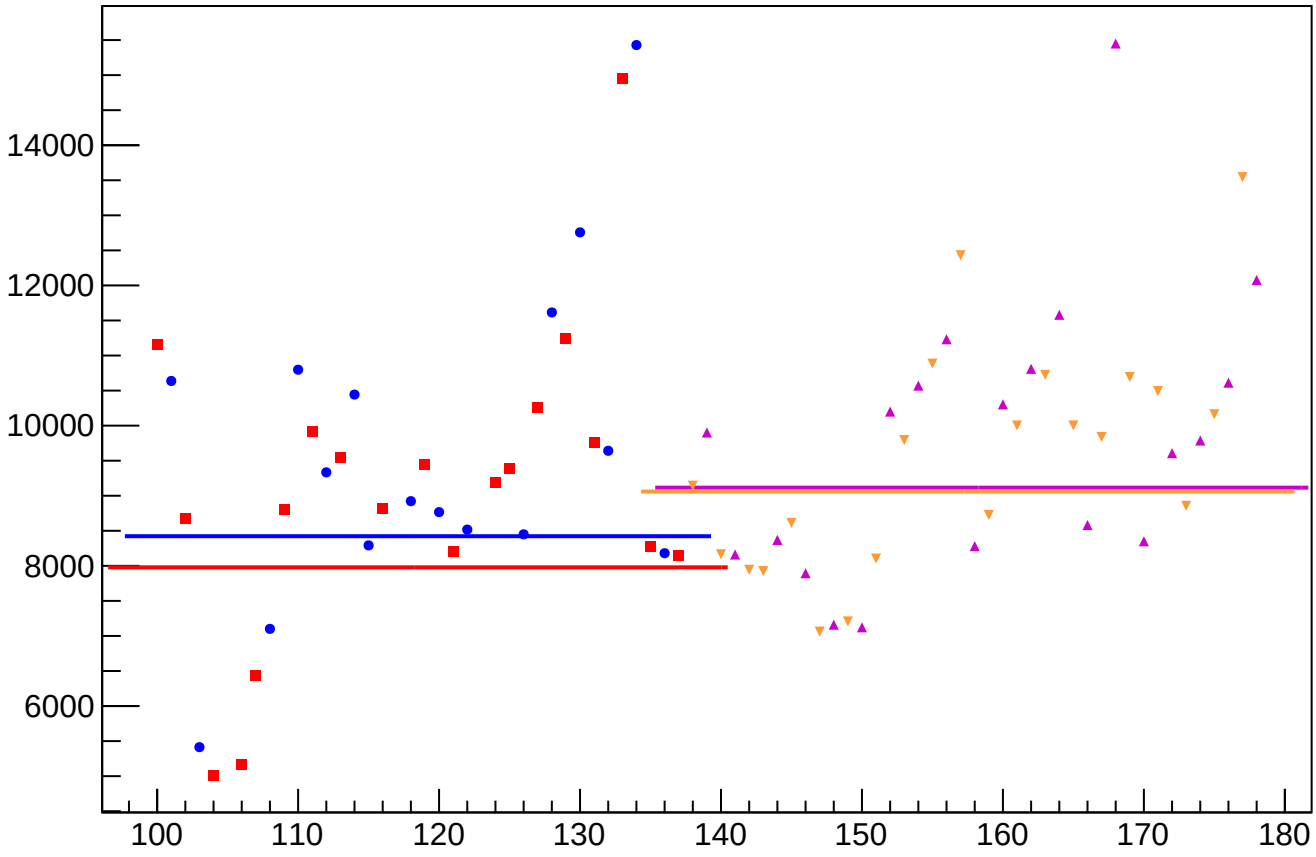
Right Out: -3189.356+/-3068.645 χ^2/NDF: 13.9/18

Left In: -2438.730+/-2298.928 χ^2/NDF:12.4/19

+ sign 1420.780+/-1854.405 χ^2/NDF: 41.0/36

All: -660.133+/-1306.096 χ^2/NDF: 69.8/75

- sign -2708.571+/-1839.878 χ^2/NDF: 26.3/38



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 9059.901+/-1.599 χ^2/NDF:854889.9/20

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

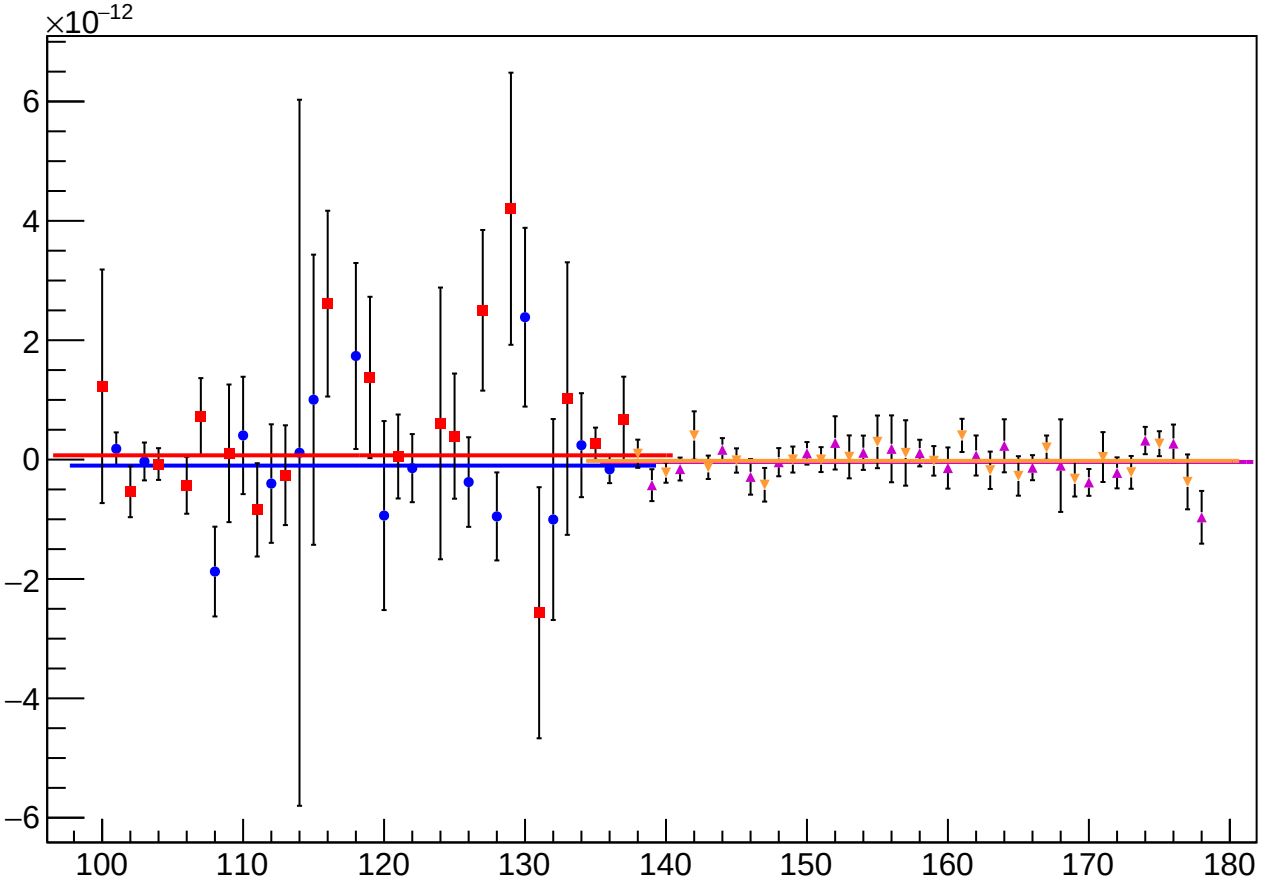
Left In: 9115.357+/-1.626 χ^2/NDF:1041882.1/19

+ sign 8851.133+/-1.311 χ^2/NDF: 1788741.3/36

All: 8778.419+/-0.924 χ^2/NDF: 4028418.2/75

- sign 8706.840+/-1.301 χ^2/NDF: 2233574.6/38

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:14.1/20

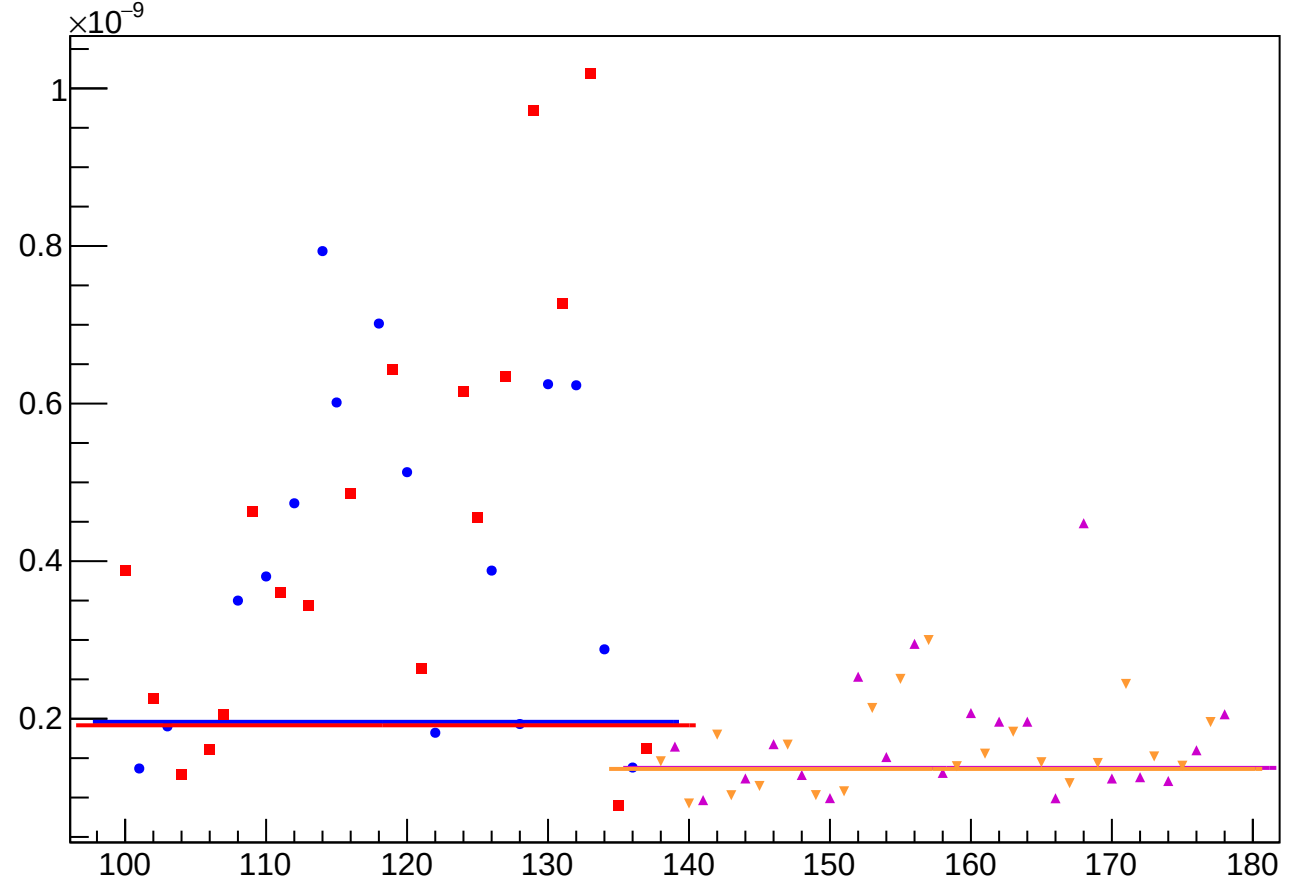
Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: -0.000+/-0.000 χ^2/NDF:17.7/19

+ sign -0.000+/-0.000 χ^2/NDF: 28.0/36

All: -0.000+/-0.000 χ^2/NDF: 65.9/75

- sign -0.000+/-0.000 χ^2/NDF: 37.8/38



Right In: 0.000+/-0.000 χ^2/NDF: 1342263.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1001264.6/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2066454.3/18

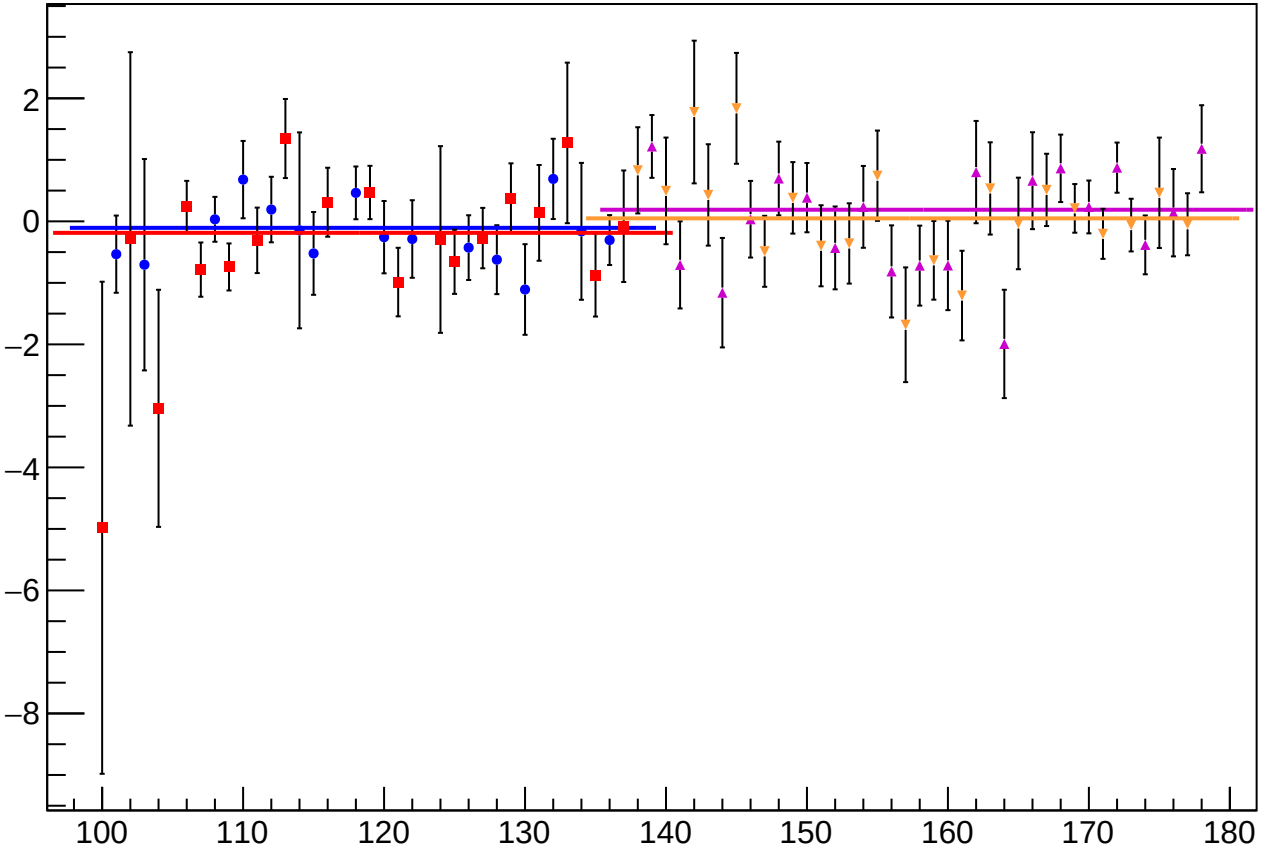
Left In: 0.000+/-0.000 χ^2/NDF:1169583.4/19

+ sign 0.000+/-0.000 χ^2/NDF: 2679711.9/36

All: 0.000+/-0.000 χ^2/NDF: 6170160.7/75

- sign 0.000+/-0.000 χ^2/NDF: 3490281.2/38

asym_atr2_dit_vs_cor_diff_mean vs Slug



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.049+/-0.136 χ^2/NDF:20.3/20

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

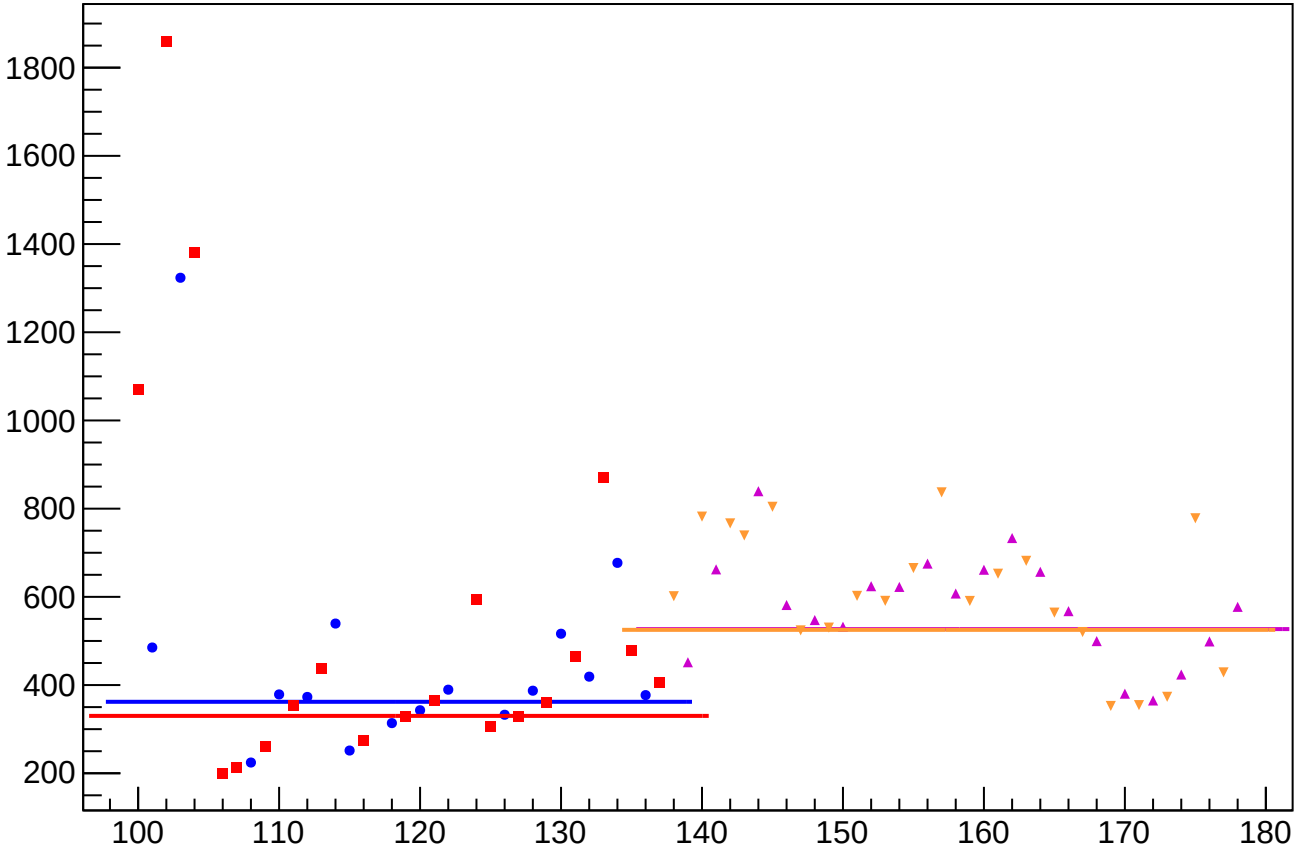
Left In: 0.189+/-0.137 χ^2/NDF:29.8/19

+ sign -0.023+/-0.099 χ^2/NDF: 30.6/36

All: -0.010+/-0.069 χ^2/NDF: 88.0/75

- sign 0.002+/-0.097 χ^2/NDF: 57.4/38

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 525.221+/-0.096 χ^2/NDF:2348702.1/20

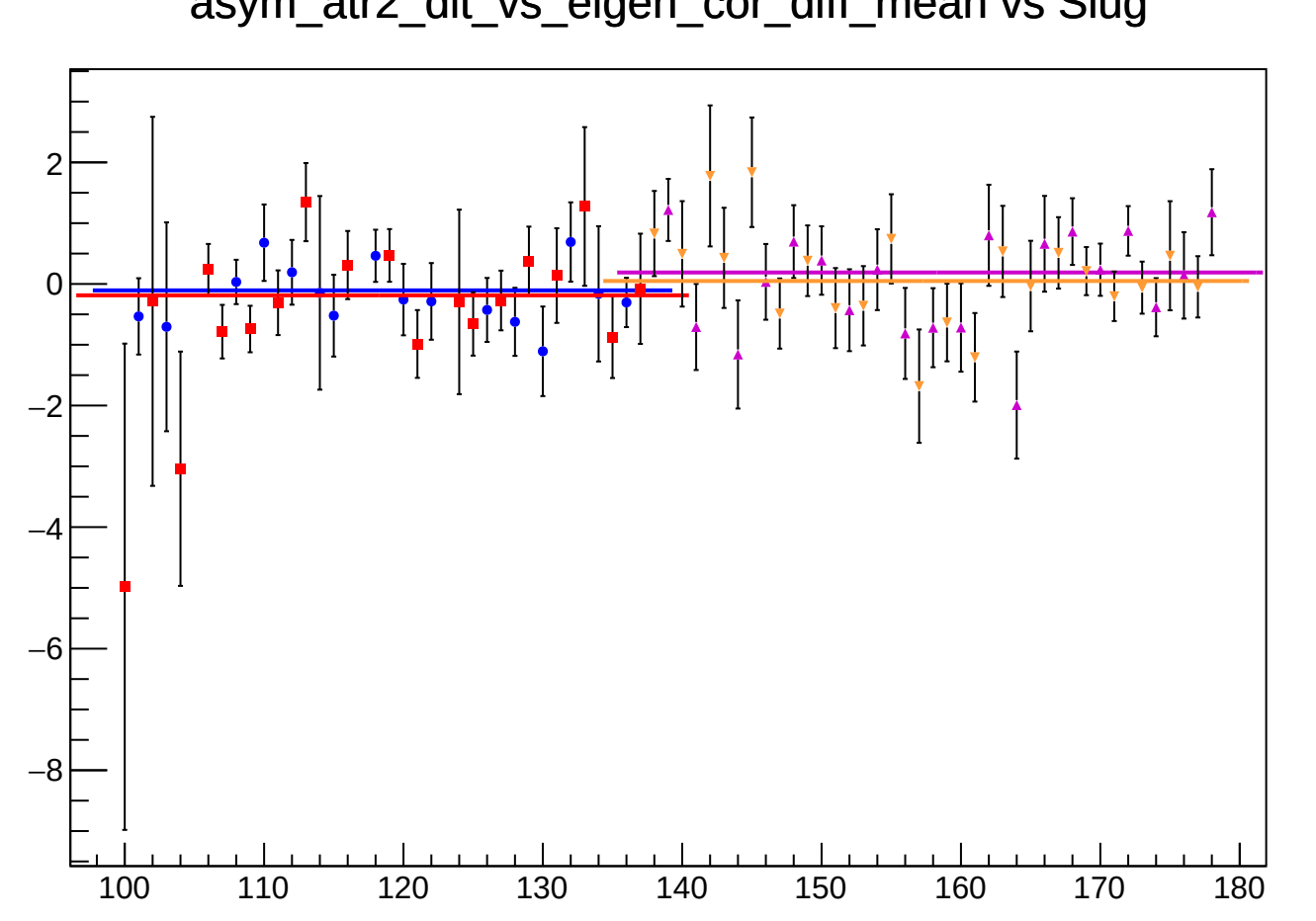
Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 526.930+/-0.097 χ^2/NDF:1473614.9/19

+ sign 448.867+/-0.070 χ^2/NDF: 5079751.5/36

All: 438.763+/-0.049 χ^2/NDF: 10904799.6/75

- sign 429.081+/-0.069 χ^2/NDF: 5784229.7/38



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.049+/-0.136 χ^2/NDF:20.3/20

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

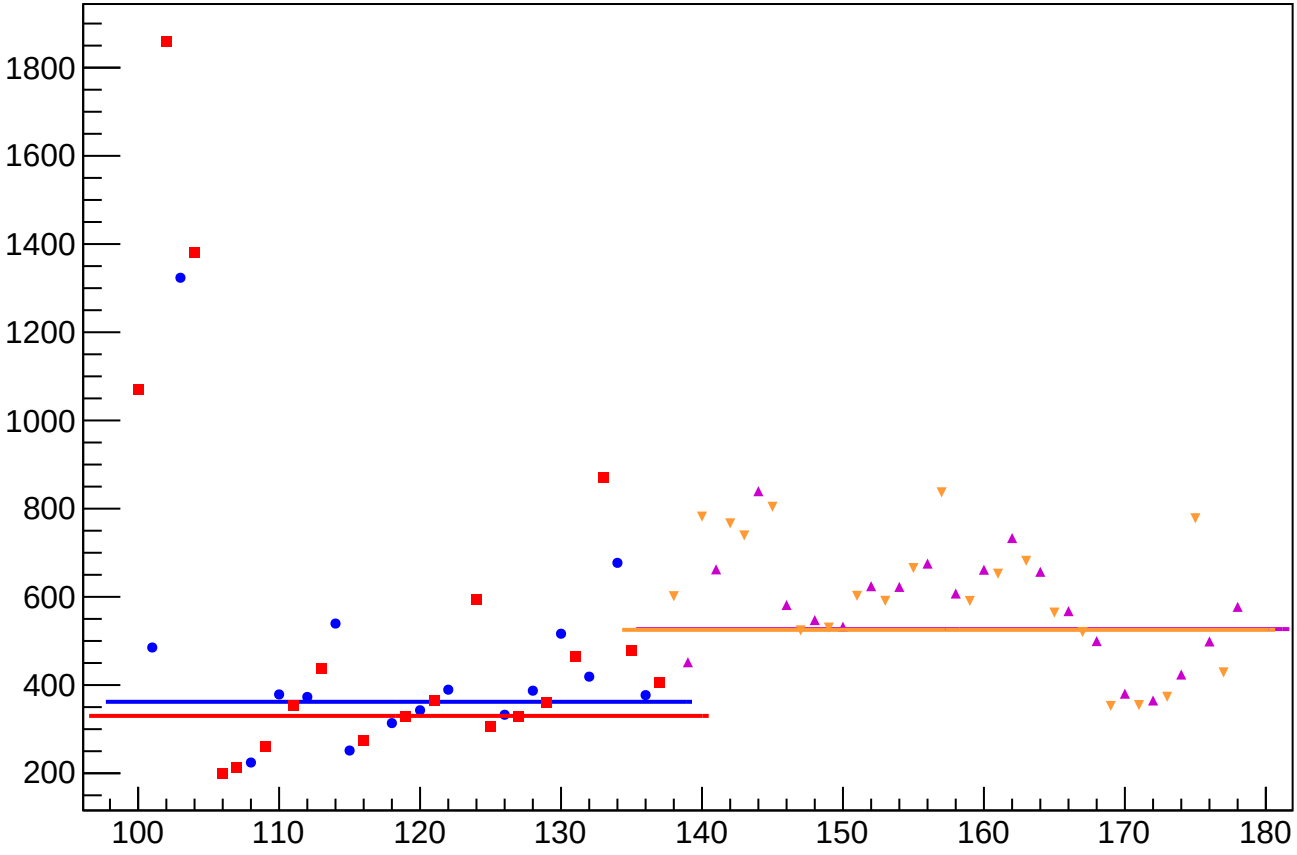
Left In: 0.189+/-0.137 χ^2/NDF:29.8/19

+ sign -0.023+/-0.099 χ^2/NDF: 30.6/36

All: -0.010+/-0.069 χ^2/NDF: 88.0/75

- sign 0.002+/-0.097 χ^2/NDF: 57.4/38

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 525.221+/-0.096 χ^2/NDF:2348702.1/20

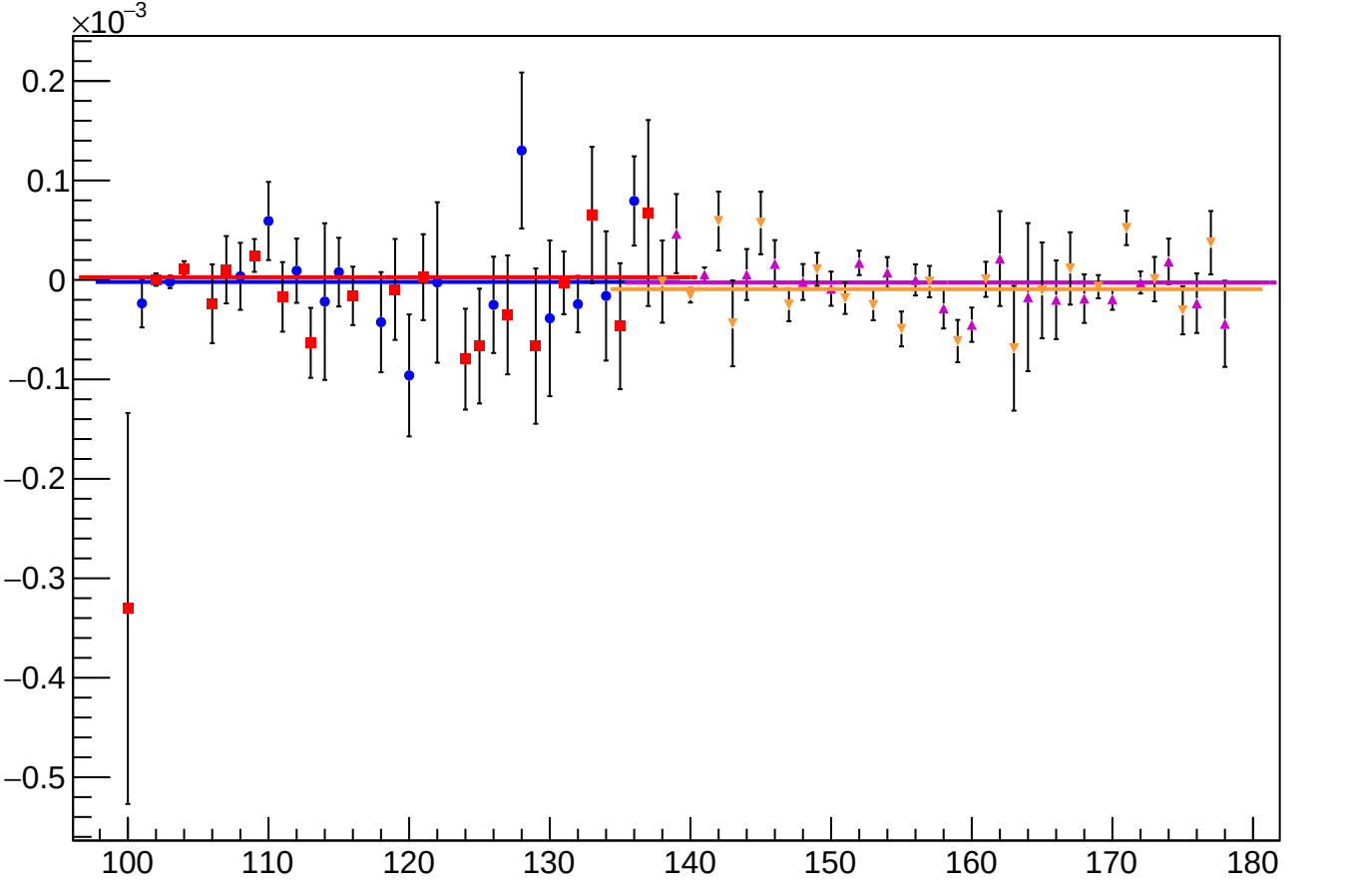
Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 526.930+/-0.097 χ^2/NDF:1473614.9/19

+ sign 448.867+/-0.070 χ^2/NDF: 5079751.5/36

All: 438.763+/-0.049 χ^2/NDF: 10904799.6/75

- sign 429.081+/-0.069 χ^2/NDF: 5784229.7/38



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

Left Out: -0.000+/-0.000 χ^2/NDF:43.7/20

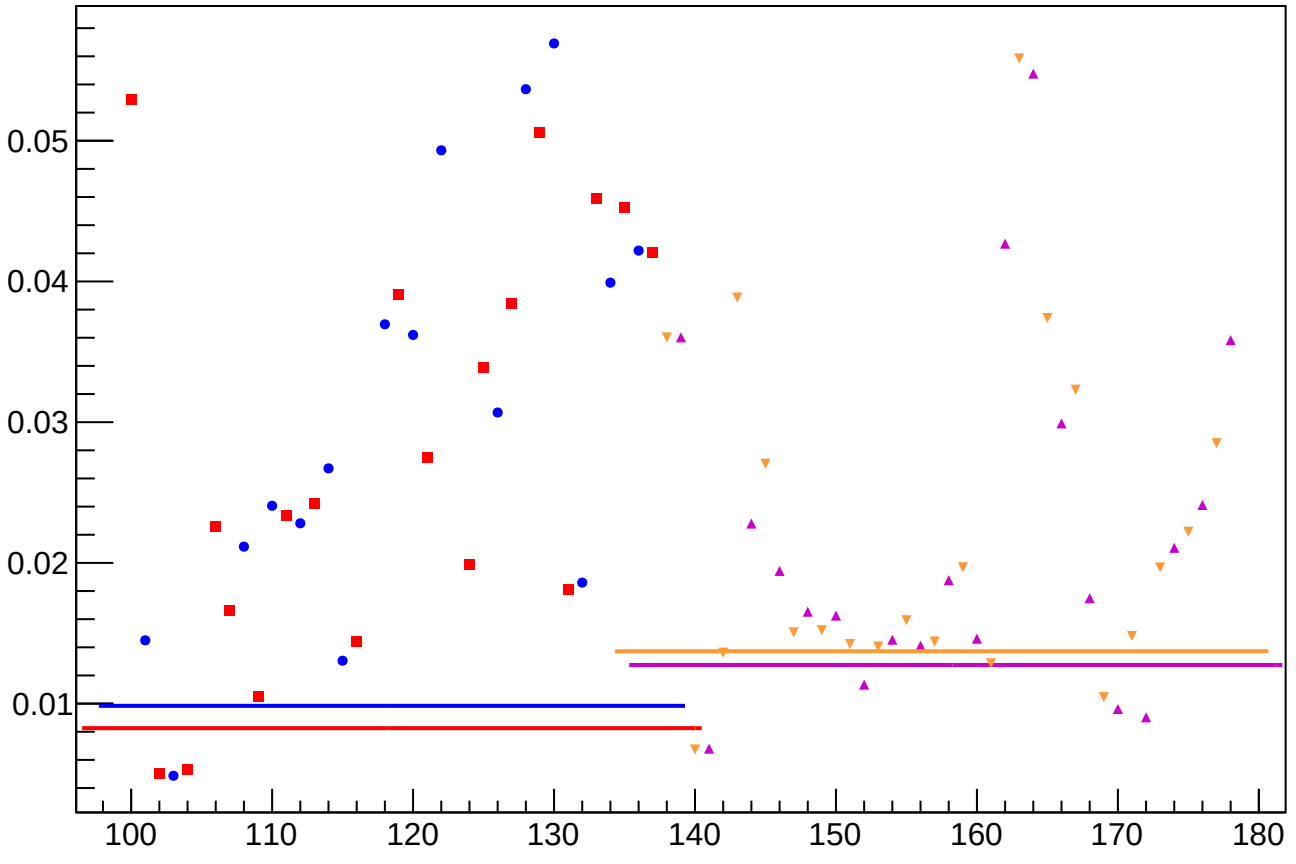
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:20.0/19

+ sign -0.000+/-0.000 χ^2/NDF: 58.7/36

All: -0.000+/-0.000 χ^2/NDF: 100.1/75

- sign -0.000+/-0.000 χ^2/NDF: 39.1/38



Right In: 0.010+/-0.000 χ^2/NDF: 7052383.3/15

Left Out: 0.014+/-0.000 χ^2/NDF:6543904.1/20

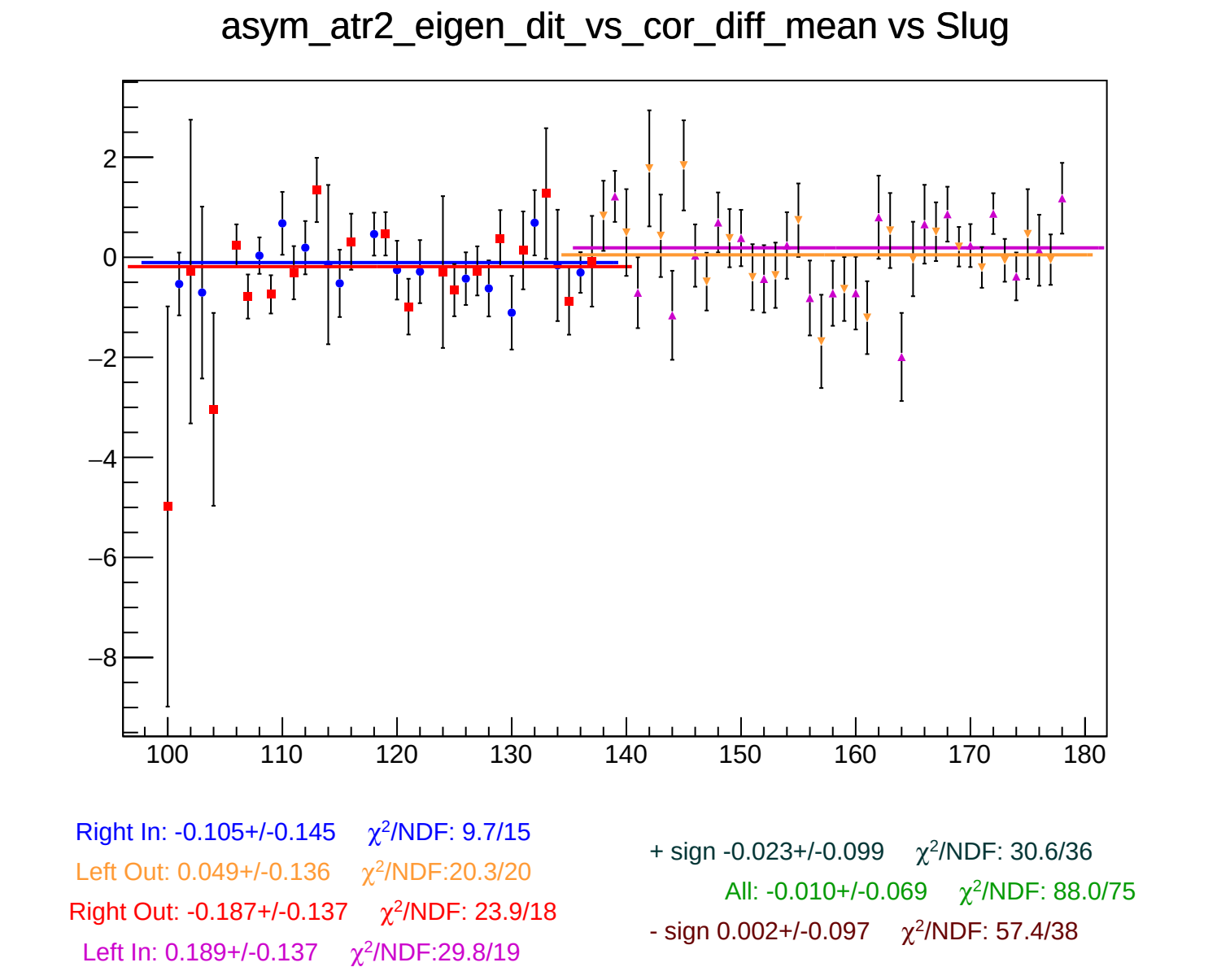
Right Out: 0.008+/-0.000 χ^2/NDF: 6740964.7/18

Left In: 0.013+/-0.000 χ^2/NDF:6330766.5/19

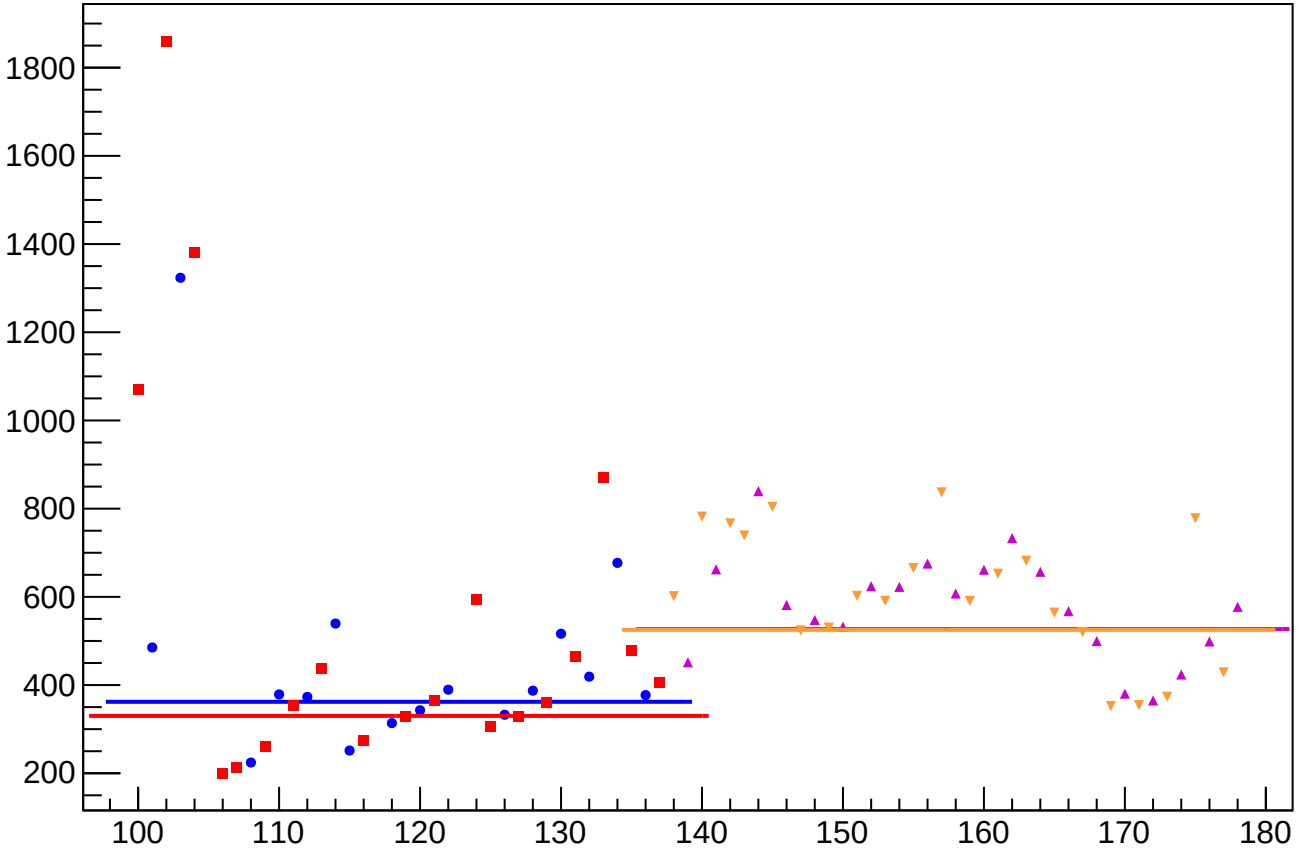
+ sign 0.012+/-0.000 χ^2/NDF: 14277306.2/36

All: 0.012+/-0.000 χ^2/NDF: 28922566.4/75

- sign 0.011+/-0.000 χ^2/NDF: 14353059.9/38


asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug
2
0
−2
−4
−6
−8
100
110
120
130
140
150
160
170
180
Right In: -0.105+/-0.145 χ²/NDF: 9.7/15
Left Out: 0.049+/-0.136 χ²/NDF:20.3/20
Right Out: -0.187+/-0.137 χ²/NDF: 23.9/18
Left In: 0.189+/-0.137 χ²/NDF:29.8/19
+ sign -0.023+/-0.099 χ²/NDF: 30.6/36
All: -0.010+/-0.069 χ²/NDF: 88.0/75
- sign 0.002+/-0.097 χ²/NDF: 57.4/38

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 525.225+/-0.096 χ^2/NDF:2348800.0/20

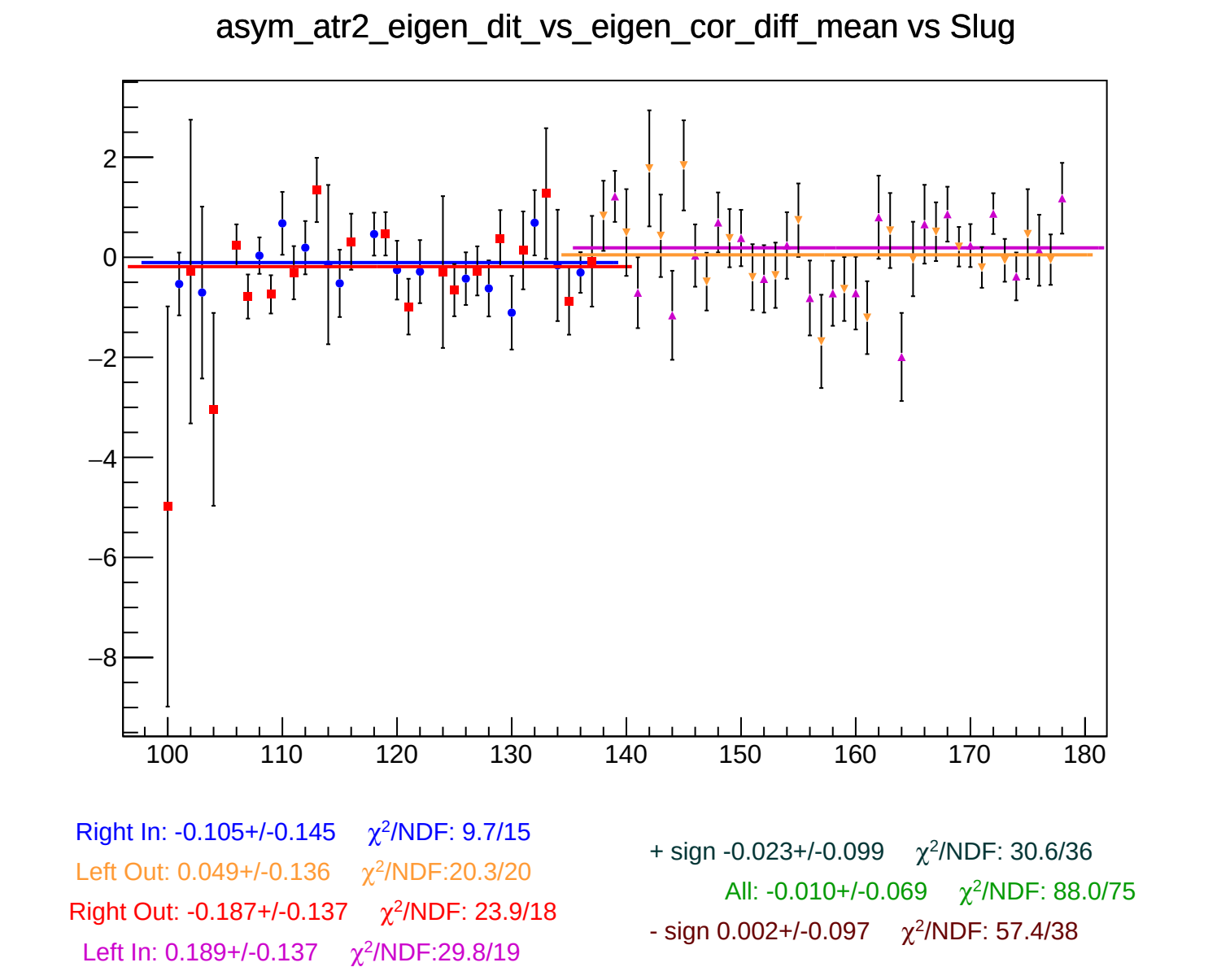
Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 526.935+/-0.097 χ^2/NDF:1473666.7/19

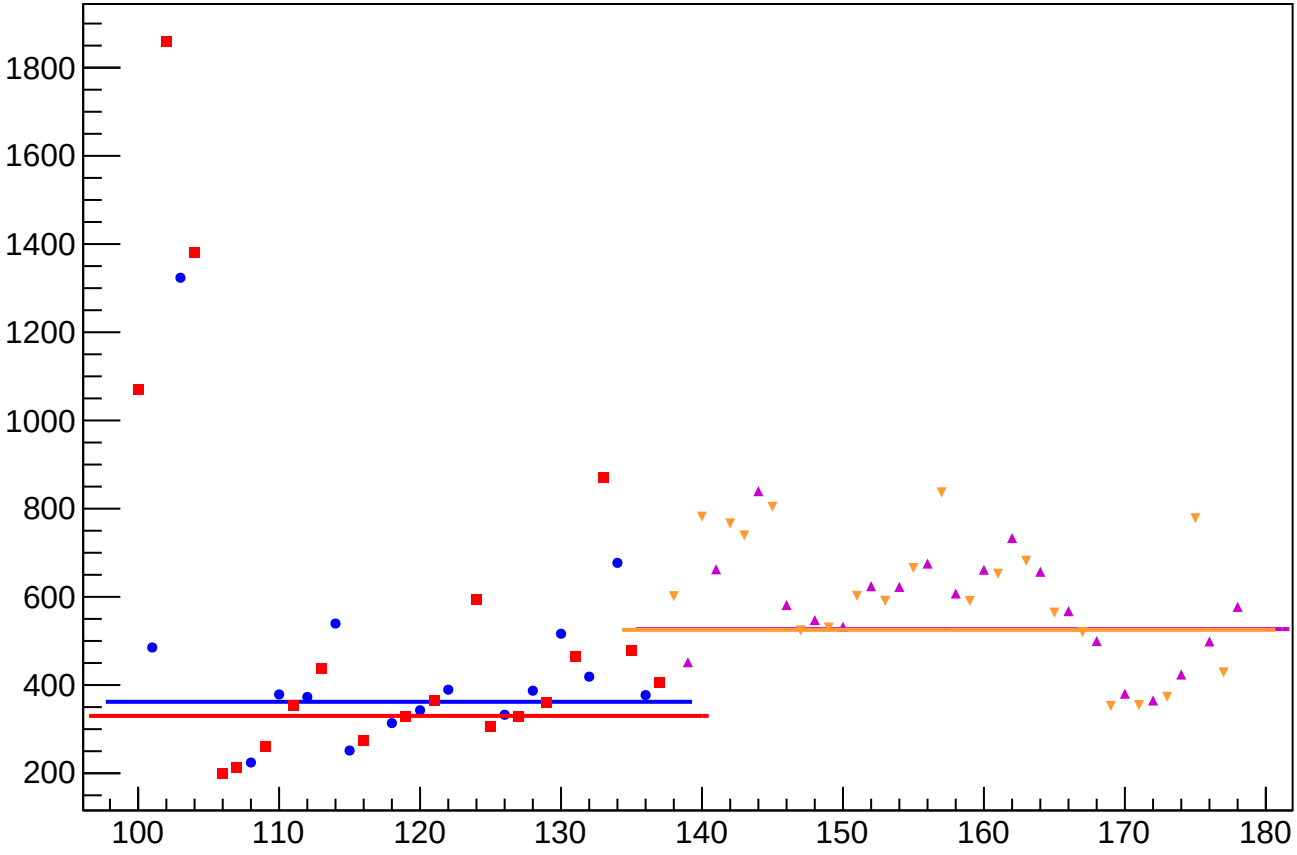
+ sign 448.867+/-0.070 χ^2/NDF: 5079967.2/36

All: 438.763+/-0.049 χ^2/NDF: 10905176.4/75

- sign 429.082+/-0.069 χ^2/NDF: 5784393.8/38


asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
0
−2
−4
−6
−8
100
110
120
130
140
150
160
170
180
Right In: -0.105+/-0.145 χ²/NDF: 9.7/15
Left Out: 0.049+/-0.136 χ²/NDF:20.3/20
Right Out: -0.187+/-0.137 χ²/NDF: 23.9/18
Left In: 0.189+/-0.137 χ²/NDF:29.8/19
+ sign -0.023+/-0.099 χ²/NDF: 30.6/36
All: -0.010+/-0.069 χ²/NDF: 88.0/75
- sign 0.002+/-0.097 χ²/NDF: 57.4/38

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: 525.225+/-0.096 χ^2/NDF:2348800.0/20

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

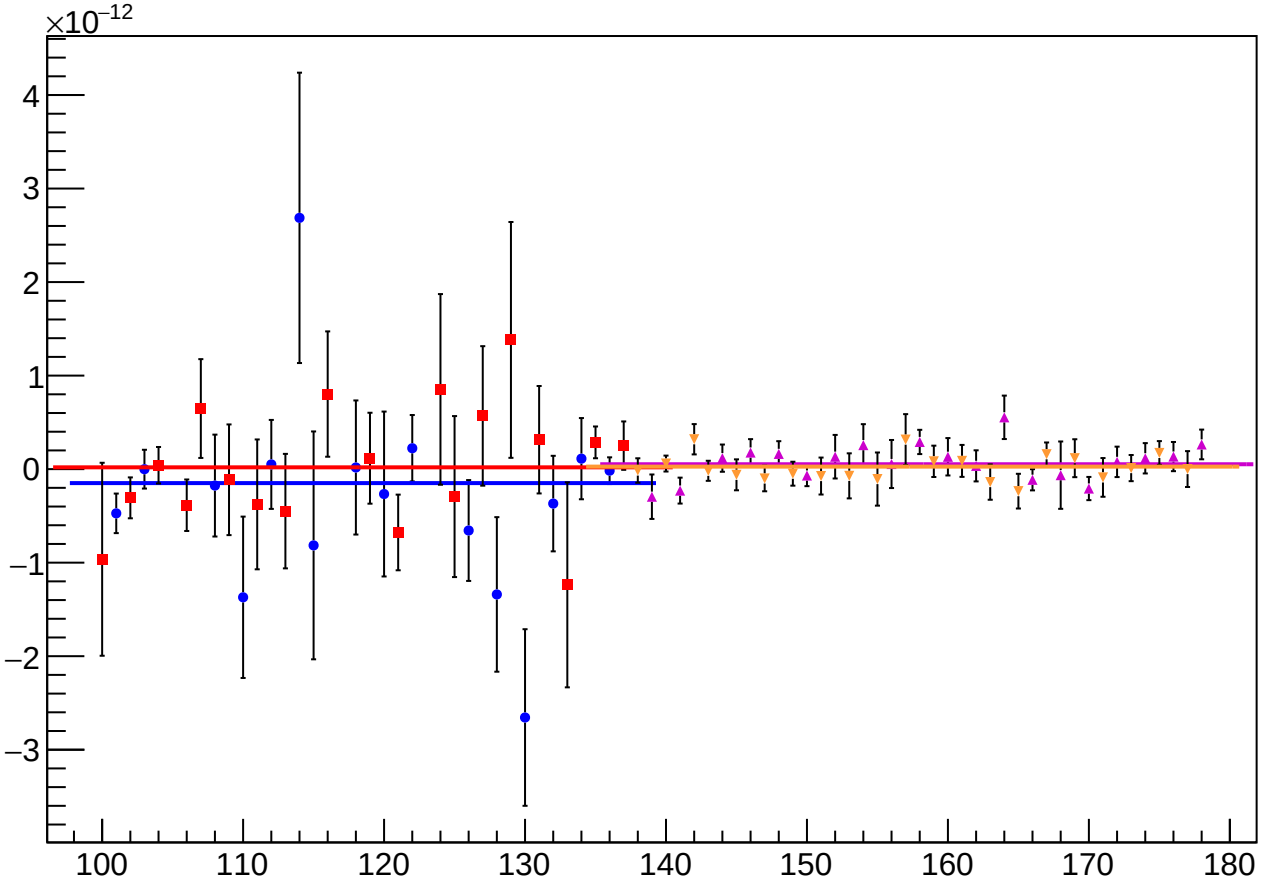
Left In: 526.935+/-0.097 χ^2/NDF:1473666.7/19

+ sign 448.867+/-0.070 χ^2/NDF: 5079967.2/36

All: 438.763+/-0.049 χ^2/NDF: 10905176.4/75

- sign 429.082+/-0.069 χ^2/NDF: 5784393.8/38

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:12.9/20

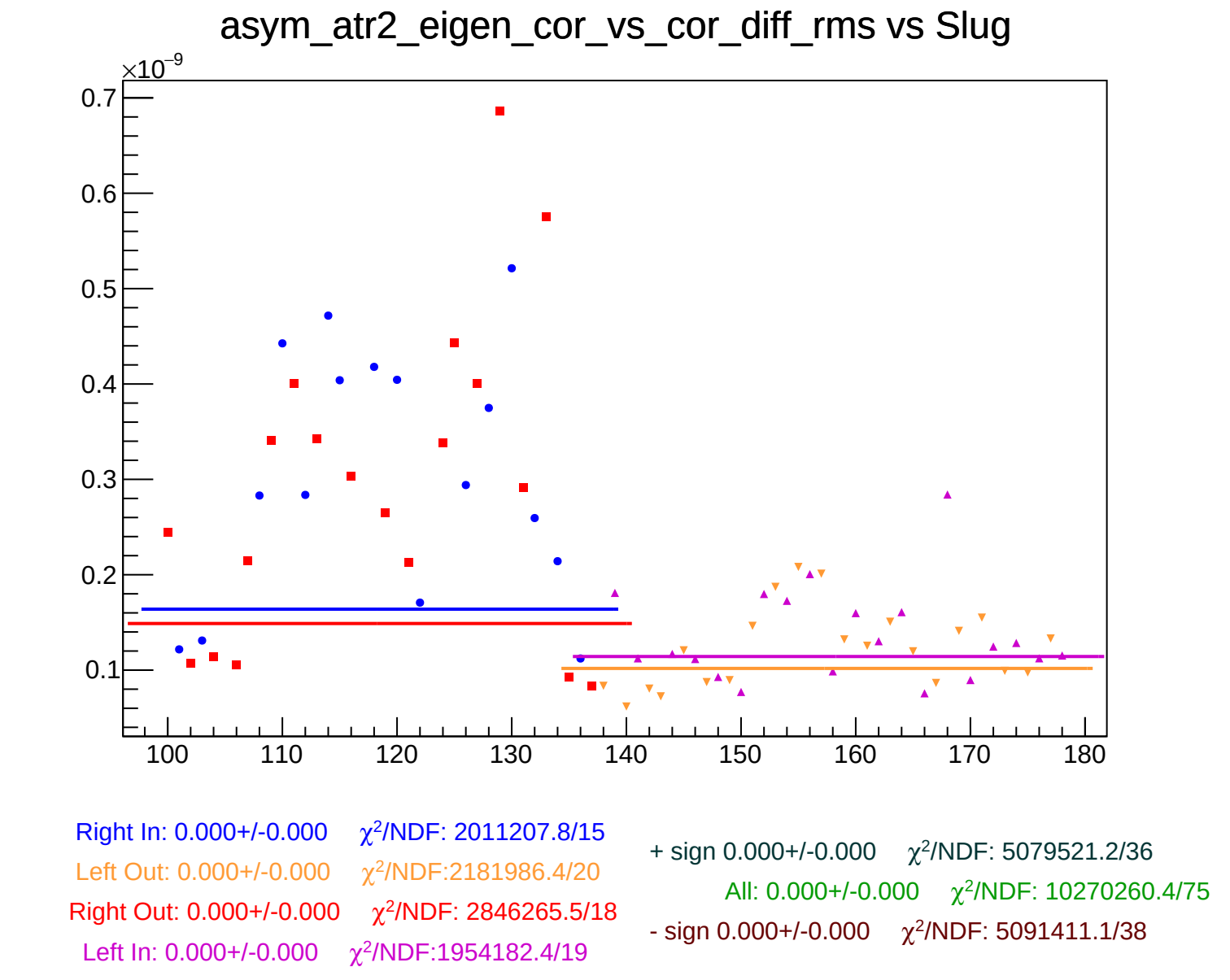
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:27.1/19

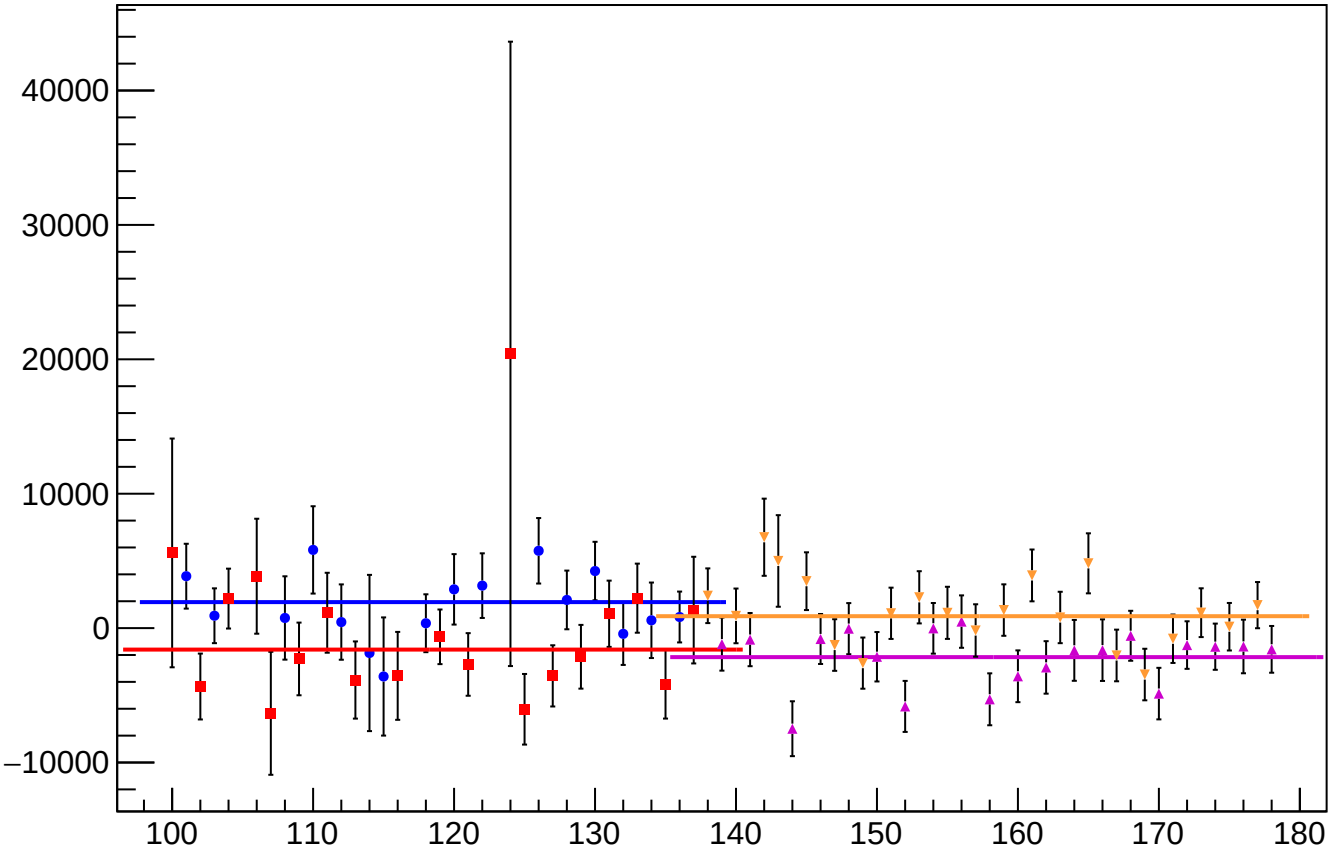
+ sign 0.000+/-0.000 χ^2/NDF: 37.8/36

All: 0.000+/-0.000 χ^2/NDF: 85.3/75

- sign 0.000+/-0.000 χ^2/NDF: 46.6/38


asym_atr2_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.7
0.6
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2011207.8/15
Left Out: 0.000+/-0.000 χ²/NDF:2181986.4/20
Right Out: 0.000+/-0.000 χ²/NDF: 2846265.5/18
Left In: 0.000+/-0.000 χ²/NDF:1954182.4/19
+ sign 0.000+/-0.000 χ²/NDF: 5079521.2/36
All: 0.000+/-0.000 χ²/NDF: 10270260.4/75
- sign 0.000+/-0.000 χ²/NDF: 5091411.1/38

reg_asym_atl_avg_mean vs Slug



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 886.800+/-432.294 χ^2/NDF:27.5/20

Right Out: -1597.959+/-642.207 χ^2/NDF: 19.4/18

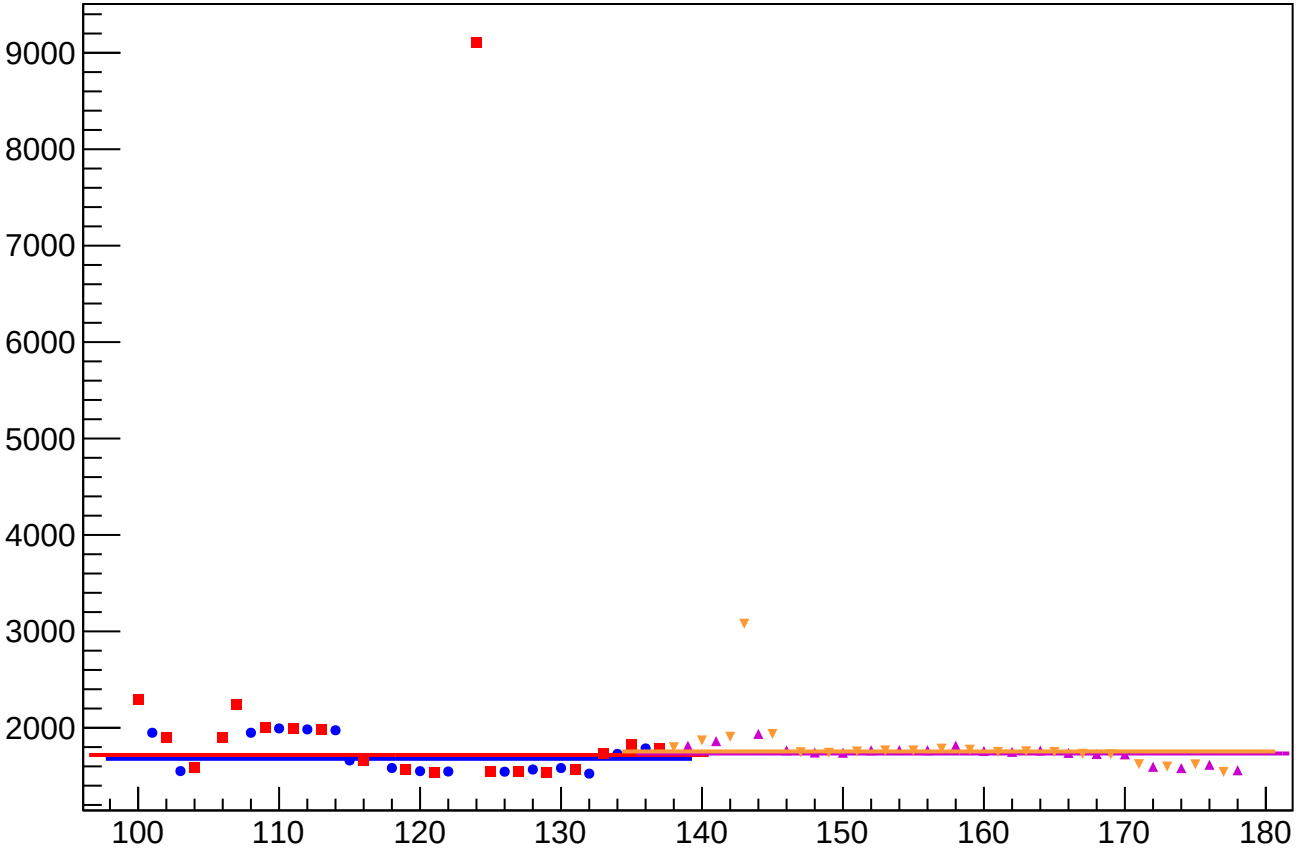
Left In: -2158.442+/-429.463 χ^2/NDF:23.0/19

+ sign 1223.813+/-356.062 χ^2/NDF: 40.3/36

All: -376.517+/-252.103 χ^2/NDF: 123.7/75

- sign -1985.247+/-356.995 χ^2/NDF: 42.9/38

reg_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1754.877+/-0.306 χ^2/NDF:398142.9/20

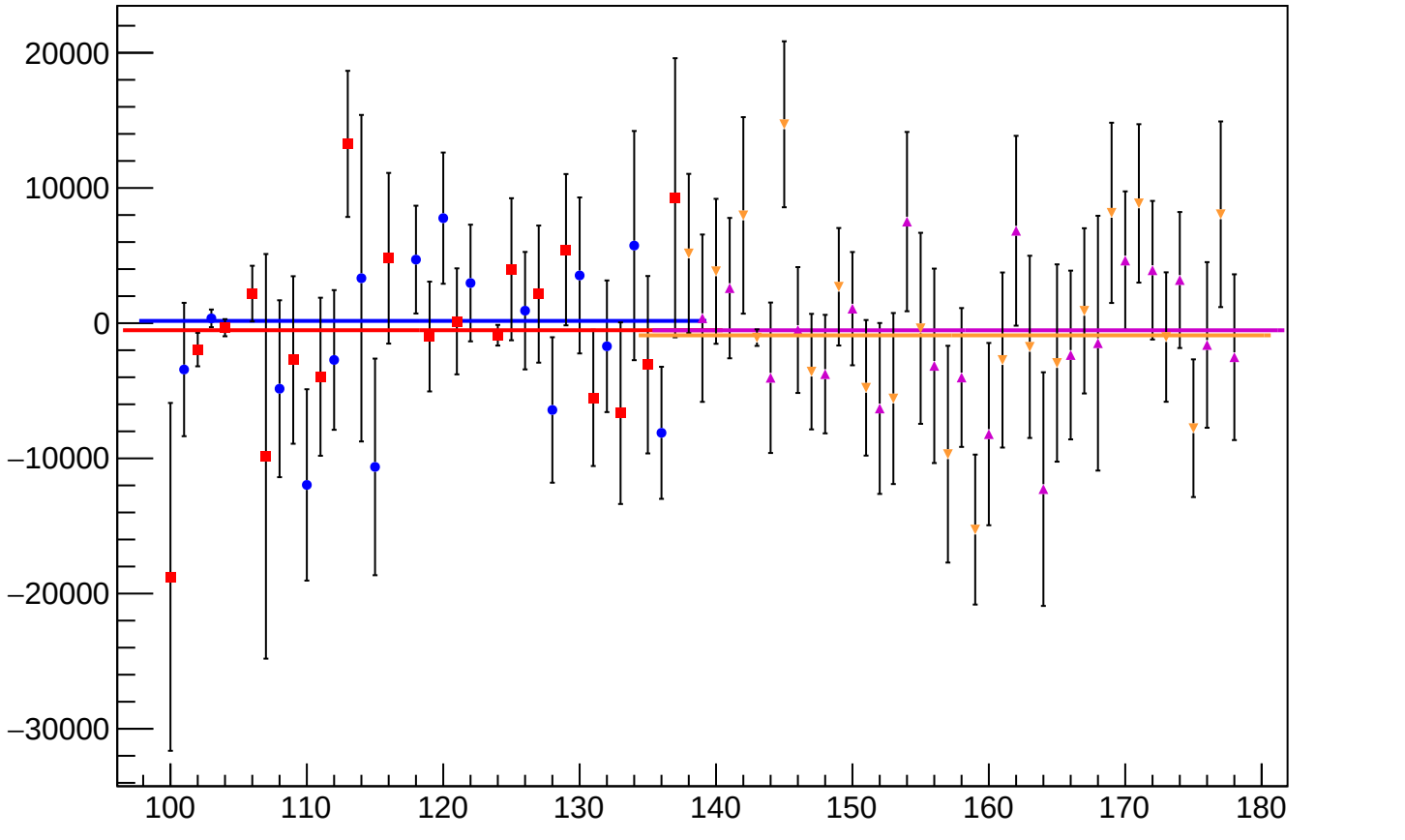
Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

Left In: 1733.619+/-0.304 χ^2/NDF:93252.3/19

+ sign 1730.329+/-0.252 χ^2/NDF: 559680.1/36

All: 1729.594+/-0.178 χ^2/NDF: 1036919.1/75

- sign 1728.858+/-0.252 χ^2/NDF: 477221.9/38



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -899.715+/-552.139 χ^2/NDF:28.4/20

Right Out: -521.080+/-424.783 χ^2/NDF: 18.5/18

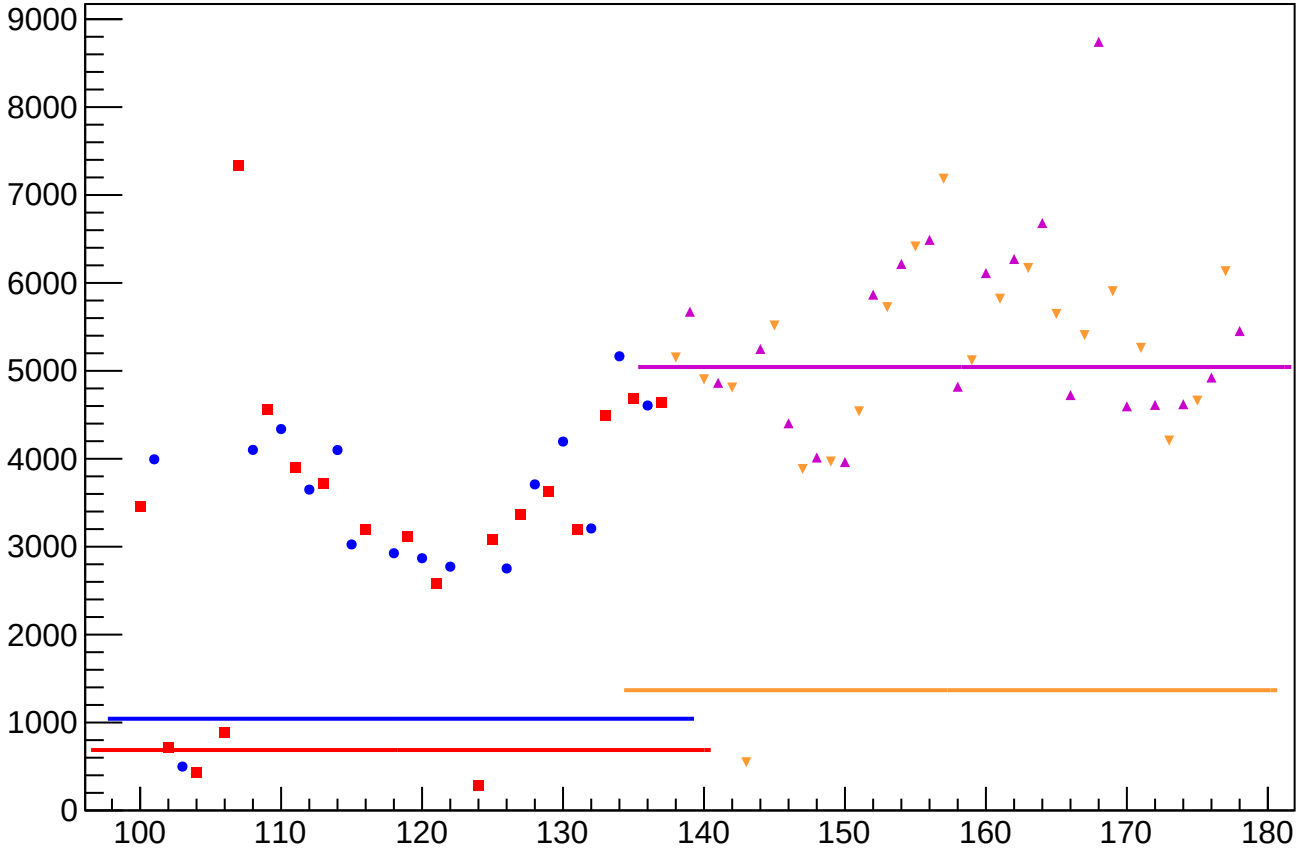
Left In: -524.868+/-1272.644 χ^2/NDF:11.2/19

+ sign -402.527+/-403.653 χ^2/NDF: 46.0/36

All: -462.100+/-285.170 χ^2/NDF: 75.7/75

- sign -521.460+/-402.930 χ^2/NDF: 29.7/38

asym_atl_avg_reg_correction_rms vs Slug



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 1367.713+/-0.390 χ^2/NDF:20647700.6/20

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

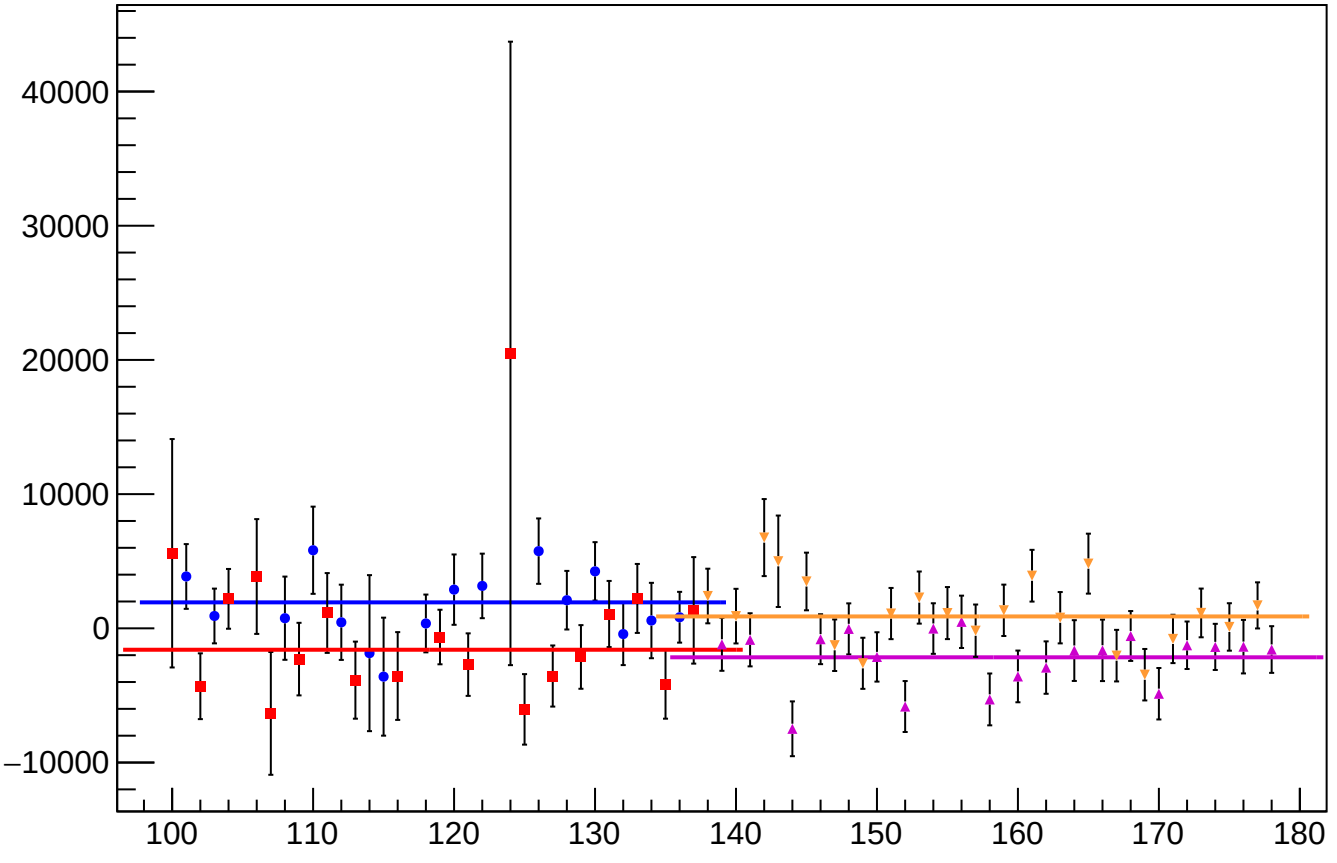
Left In: 5043.526+/-0.900 χ^2/NDF:1037982.3/19

+ sign 1216.603+/-0.285 χ^2/NDF: 29081387.1/36

All: 1170.218+/-0.202 χ^2/NDF: 59887820.6/7

- sign 1123.999+/-0.285 χ^2/NDF: 30753708.6/38

cor_asym_atl_avg_mean vs Slug



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 886.742+/-432.294 χ^2/NDF:27.5/20

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

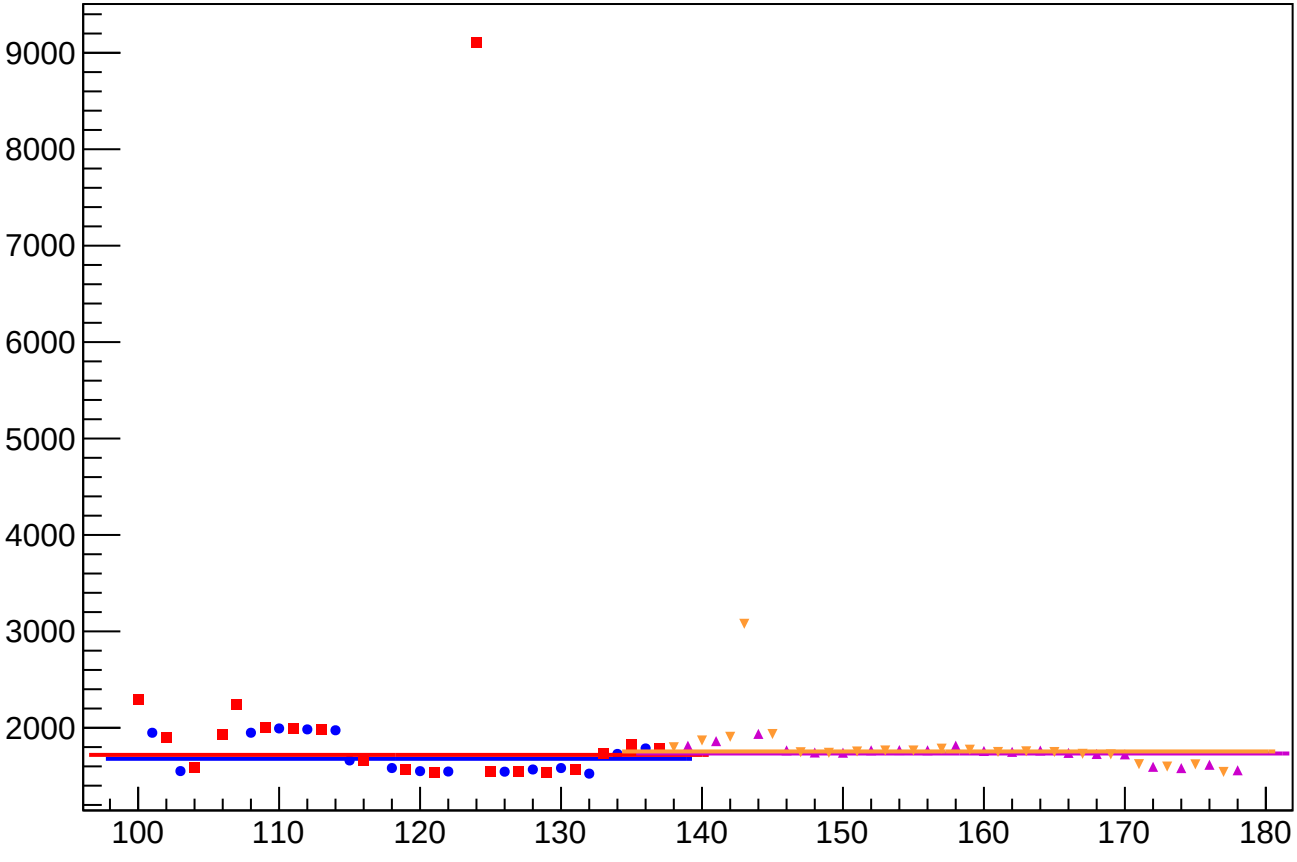
Left In: -2158.463+/-429.463 χ^2/NDF:23.0/19

+ sign 1223.812+/-356.062 χ^2/NDF: 40.3/36

All: -376.146+/-252.103 χ^2/NDF: 123.7/75

- sign -1984.509+/-356.996 χ^2/NDF: 42.9/38

cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1754.877+/-0.306 χ^2/NDF:398142.9/20

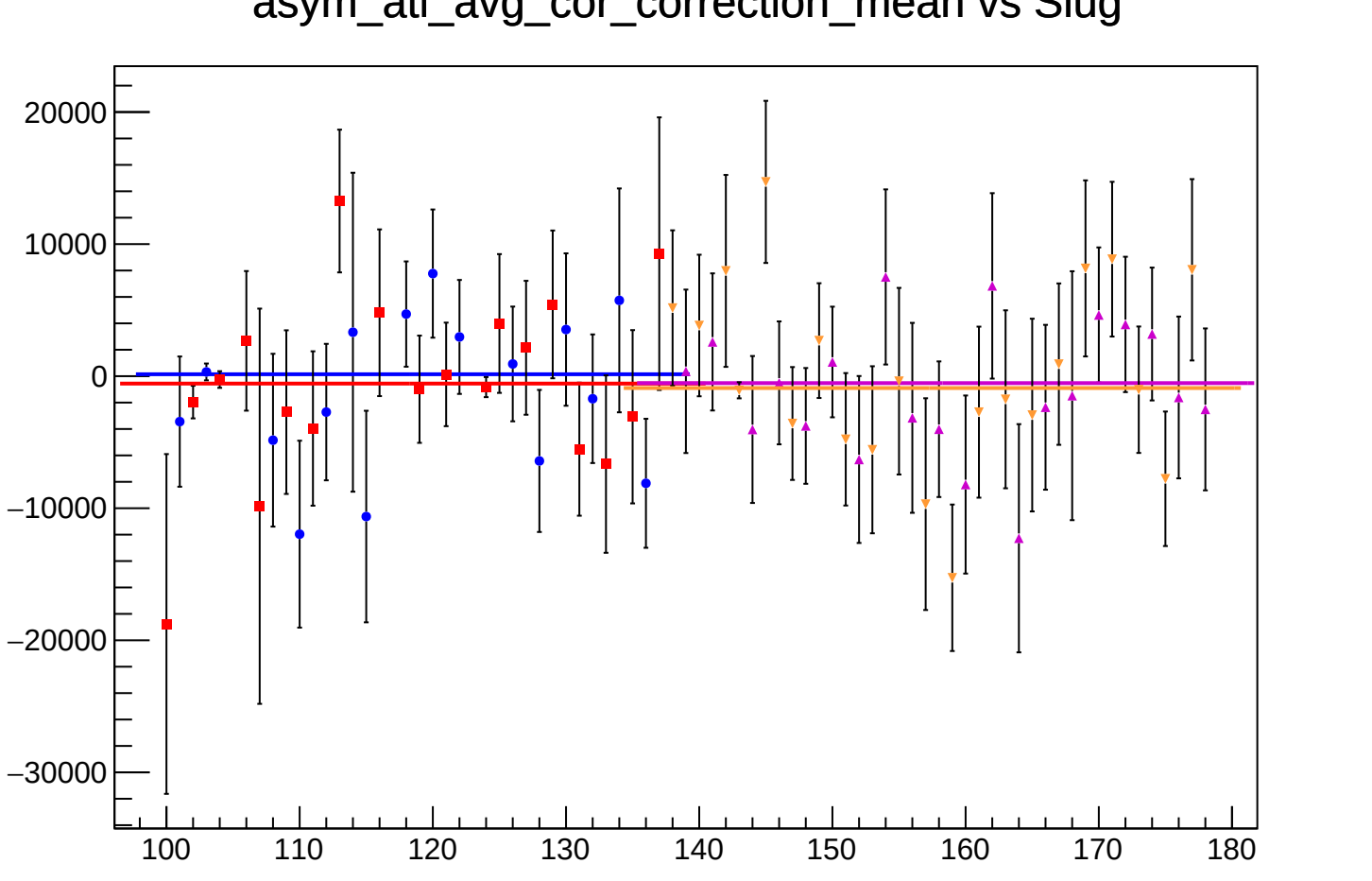
Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1733.619+/-0.304 χ^2/NDF:93252.3/19

+ sign 1730.329+/-0.252 χ^2/NDF: 559680.3/36

All: 1729.725+/-0.178 χ^2/NDF: 1038572.4/75

- sign 1729.121+/-0.252 χ^2/NDF: 478880.6/38



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -899.394+/-552.120 χ^2/NDF:28.4/20

Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

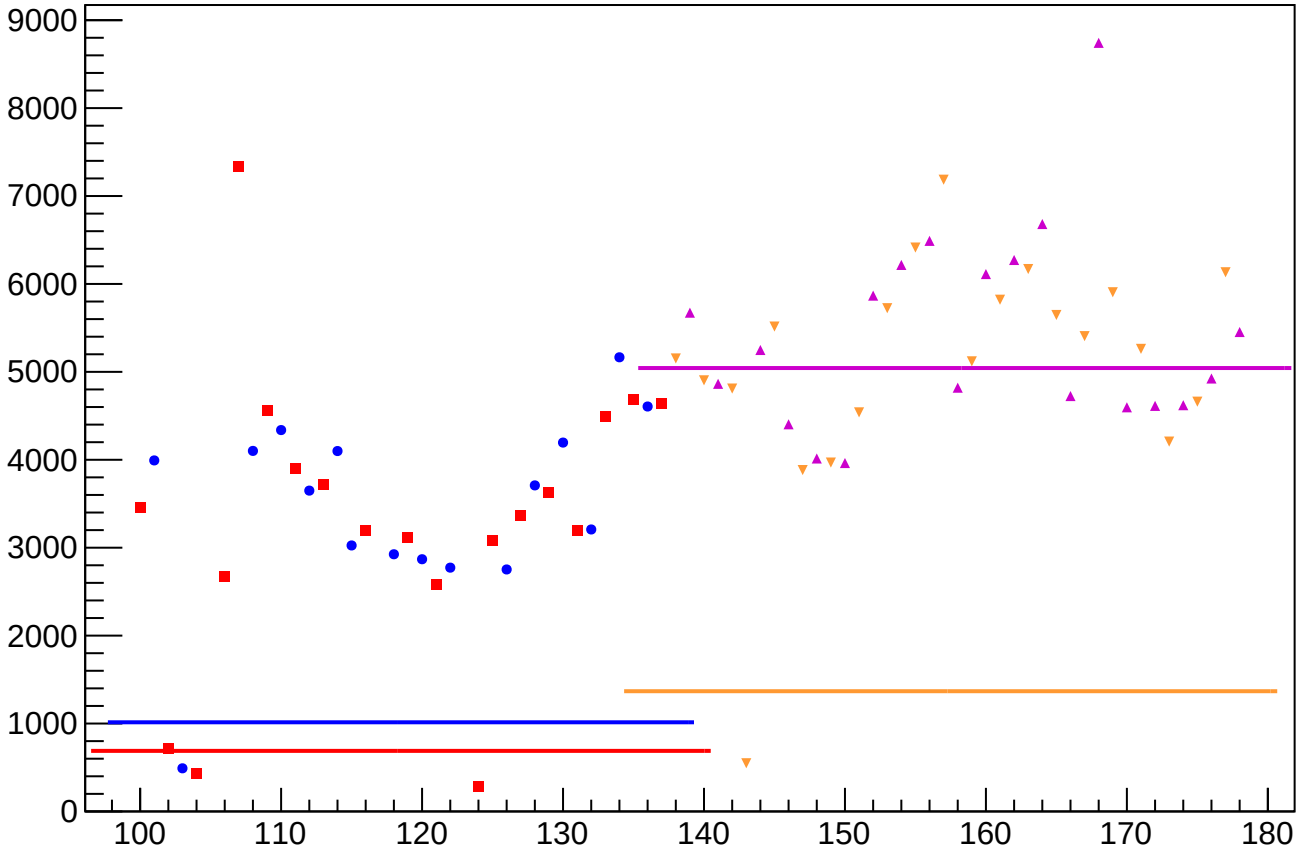
Left In: -524.991+/-1272.644 χ^2/NDF:11.2/19

+ sign -401.586+/-399.690 χ^2/NDF: 45.9/36

All: -478.059+/-285.483 χ^2/NDF: 74.4/75

- sign -557.708+/-407.903 χ^2/NDF: 28.4/38

asym_atl_avg_cor_correction_rms vs Slug



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1367.639+/-0.390 χ^2/NDF:20648205.6/20

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

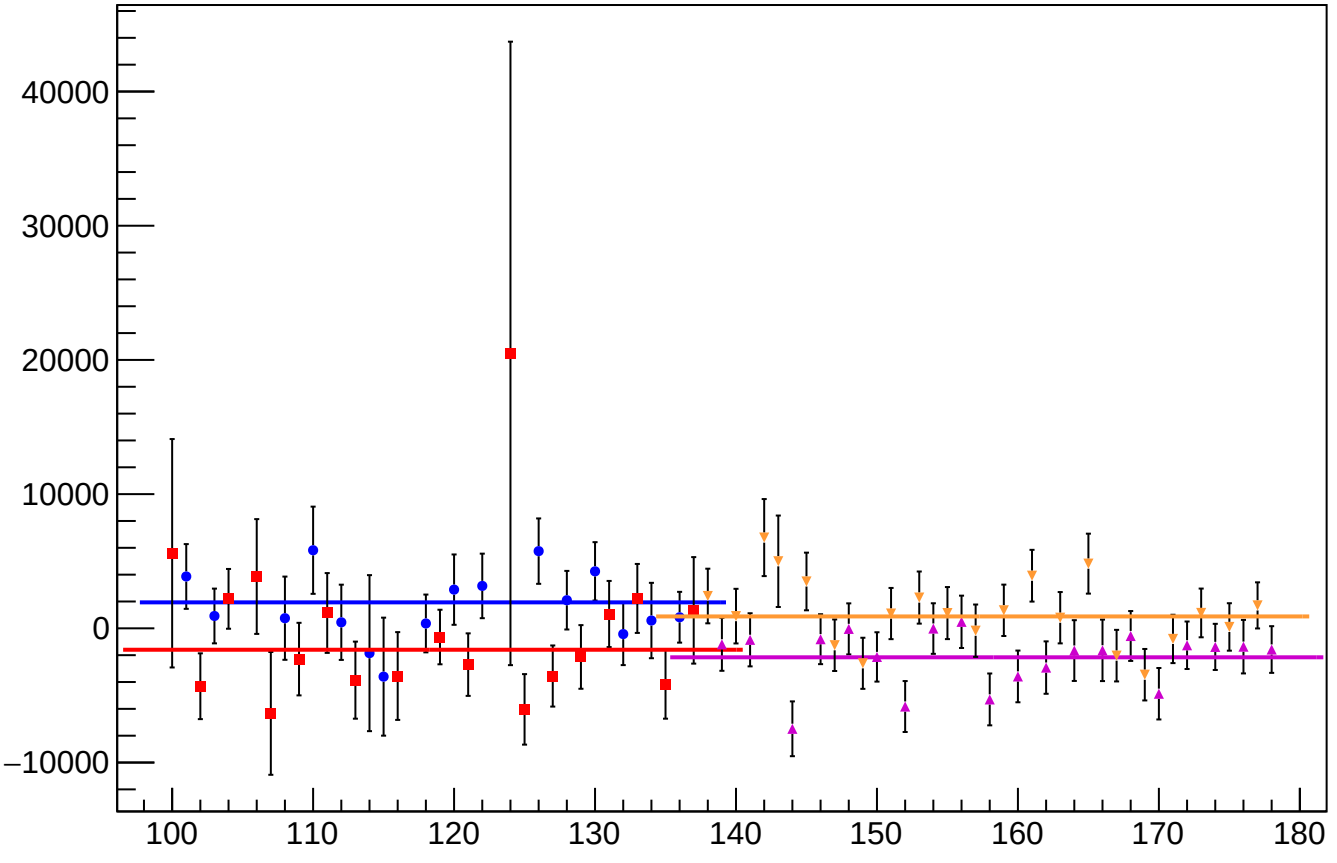
Left In: 5043.522+/-0.900 χ^2/NDF:1038001.1/19

+ sign 1199.372+/-0.283 χ^2/NDF: 29261530.8/36

All: 1168.523+/-0.202 χ^2/NDF: 60243409.3/7

- sign 1136.392+/-0.288 χ^2/NDF: 30957554.3/38

eigen_cor_asym_atl_avg_mean vs Slug



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 886.742+/-432.294 χ^2/NDF:27.5/20

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

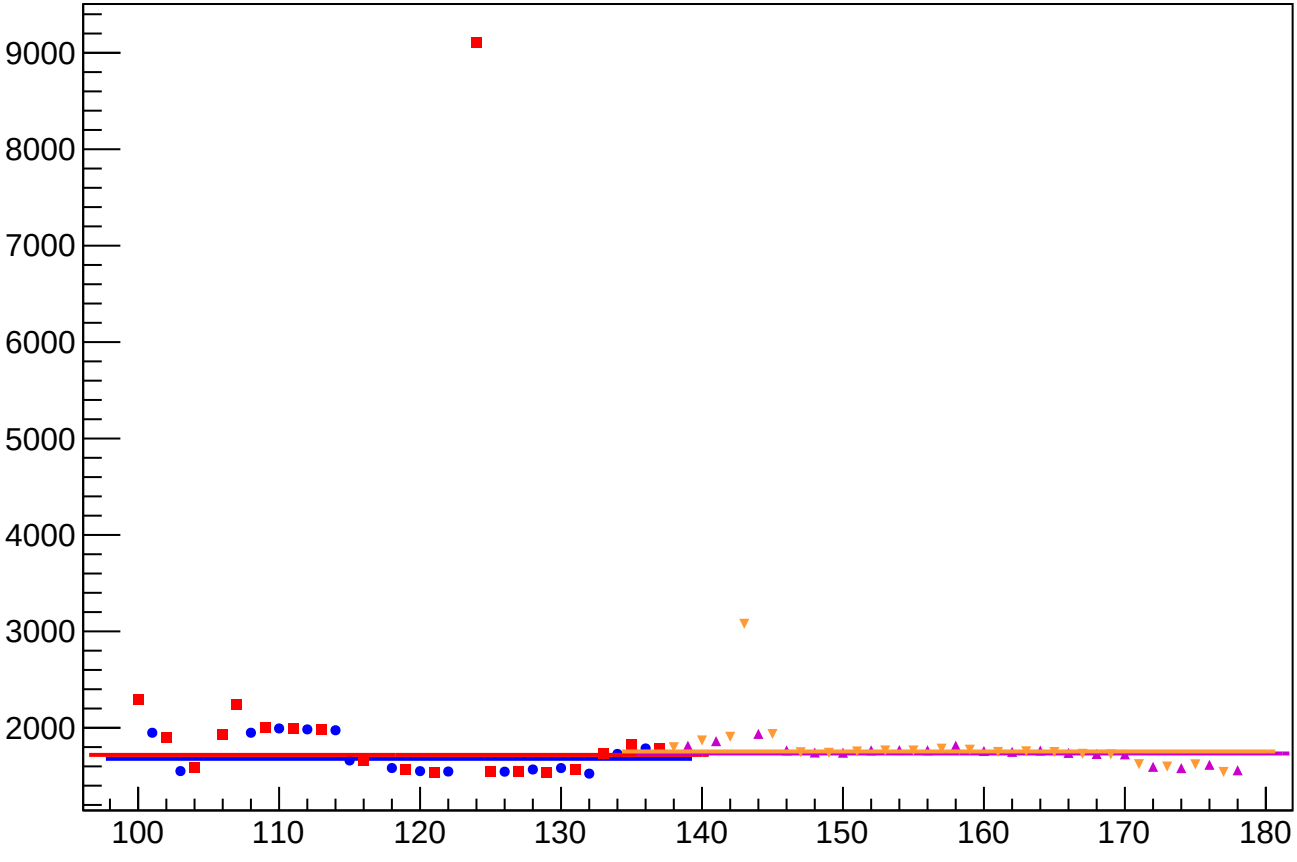
Left In: -2158.463+/-429.463 χ^2/NDF:23.0/19

+ sign 1223.812+/-356.062 χ^2/NDF: 40.3/36

All: -376.146+/-252.103 χ^2/NDF: 123.7/75

- sign -1984.509+/-356.996 χ^2/NDF: 42.9/38

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1754.877+/-0.306 χ^2/NDF:398142.9/20

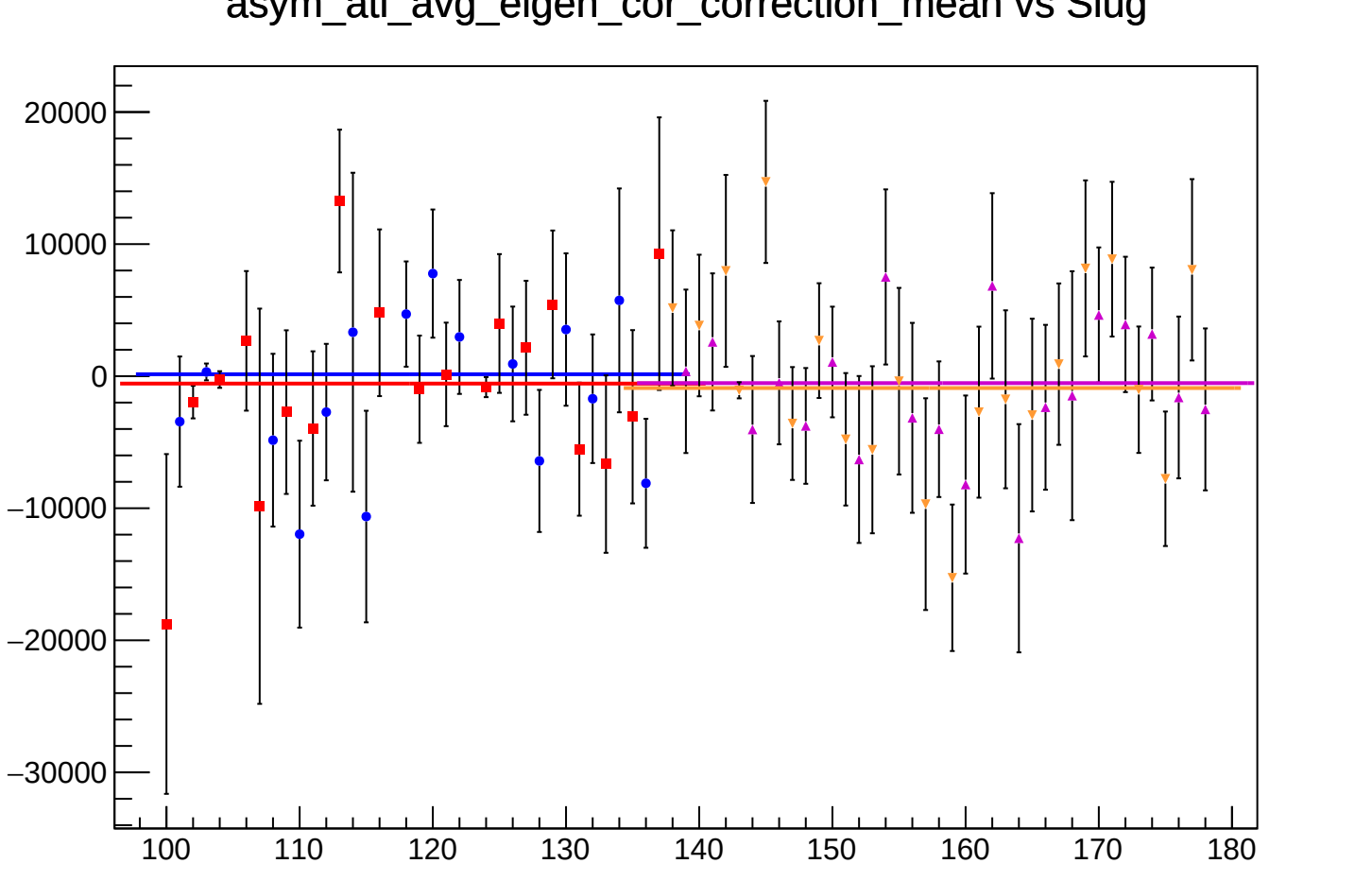
Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1733.619+/-0.304 χ^2/NDF:93252.3/19

+ sign 1730.329+/-0.252 χ^2/NDF: 559680.3/36

All: 1729.725+/-0.178 χ^2/NDF: 1038572.4/75

- sign 1729.121+/-0.252 χ^2/NDF: 478880.6/38



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -899.394+/-552.120 χ^2/NDF:28.4/20

Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

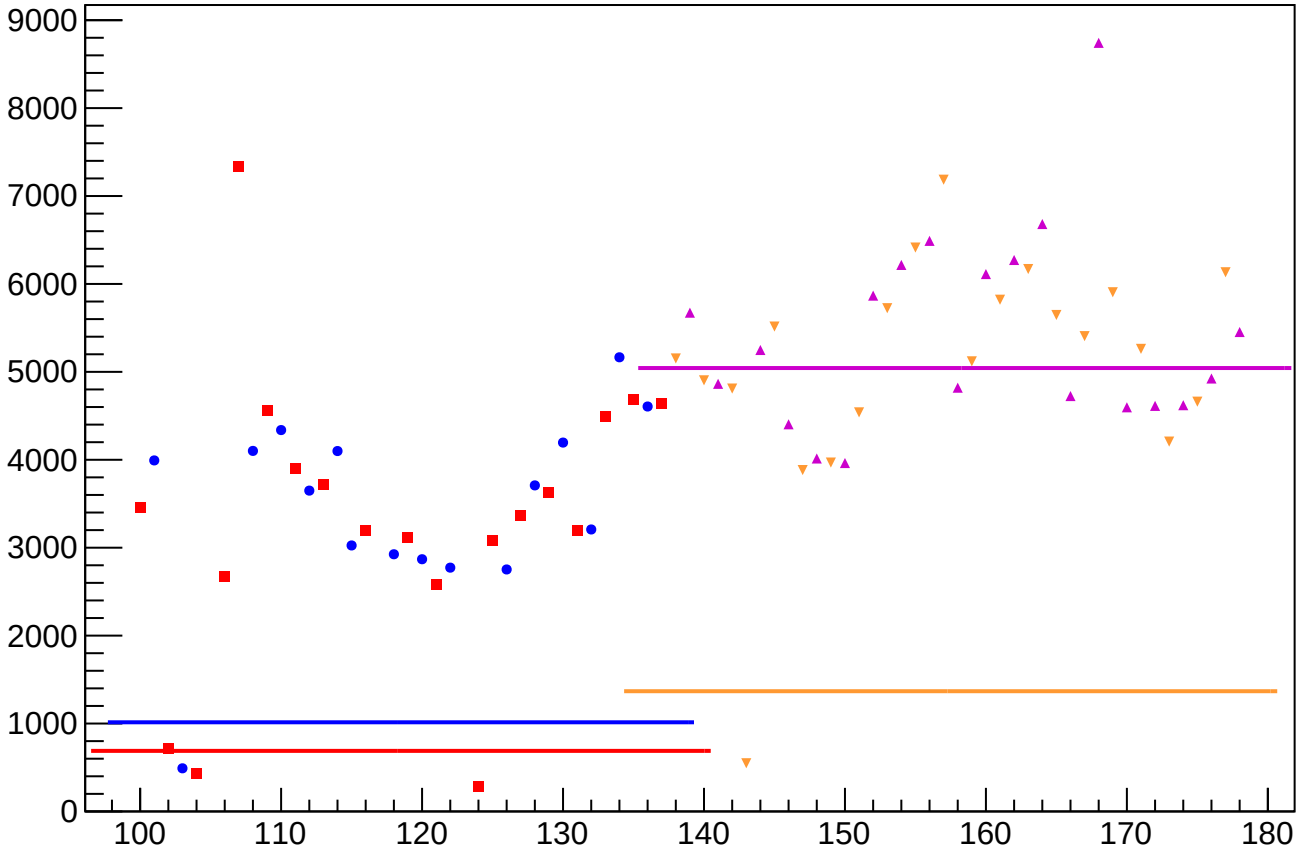
Left In: -524.991+/-1272.644 χ^2/NDF:11.2/19

\+ sign -401.586+/-399.690 χ^2/NDF: 45.9/36

All: -478.059+/-285.483 χ^2/NDF: 74.4/75

\- sign -557.708+/-407.903 χ^2/NDF: 28.4/38

asym_atl_avg_eigen_cor_correction_rms vs Slug



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1367.639+/-0.390 χ^2/NDF:20648205.6/20

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

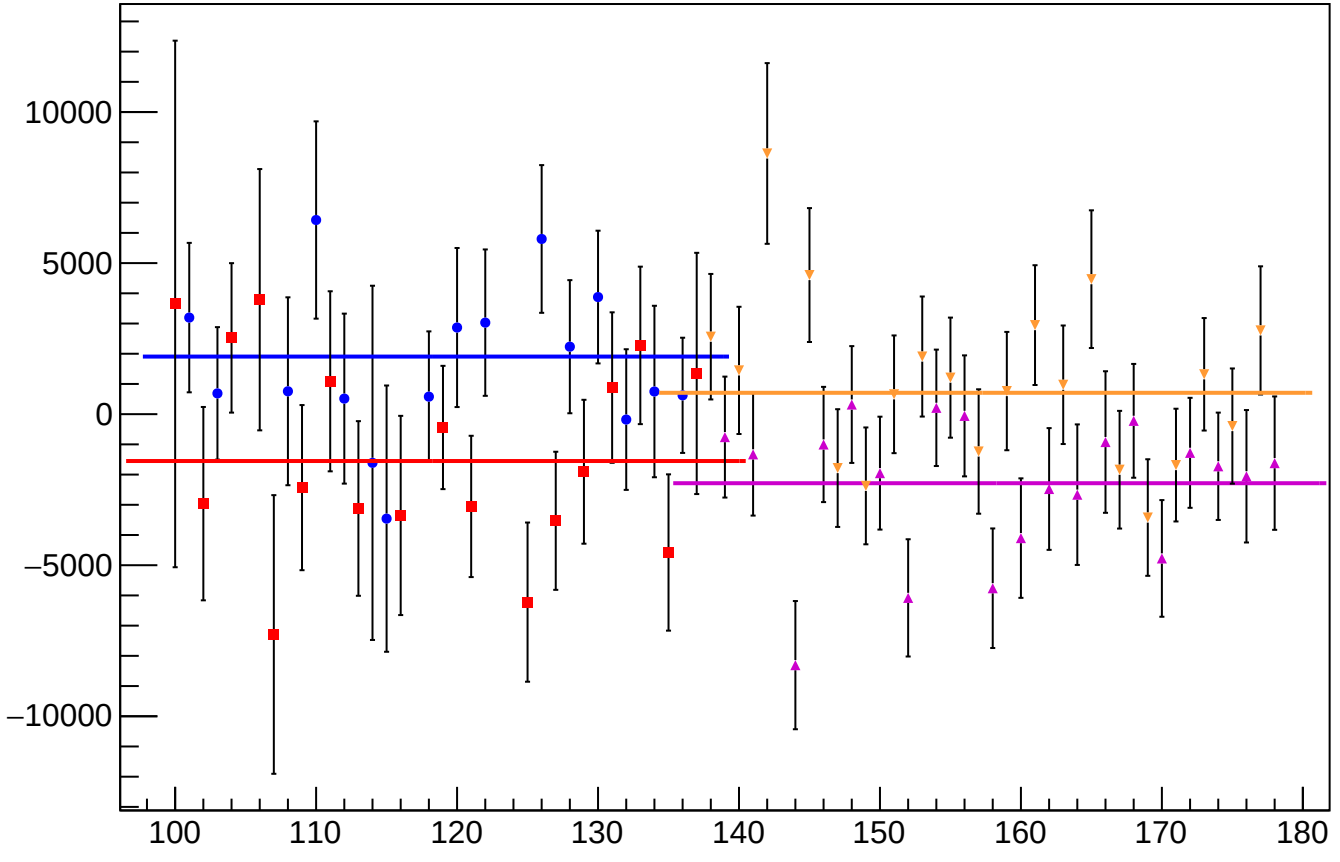
Left In: 5043.522+/-0.900 χ^2/NDF:1038001.1/19

+ sign 1199.372+/-0.283 χ^2/NDF: 29261530.8/36

All: 1168.523+/-0.202 χ^2/NDF: 60243409.3/7

- sign 1136.392+/-0.288 χ^2/NDF: 30957554.3/38

dit_asym_atl_avg_mean vs Slug



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 707.097+/-452.593 χ^2/NDF:29.9/19

Right Out: -1550.986+/-661.054 χ^2/NDF: 17.5/17

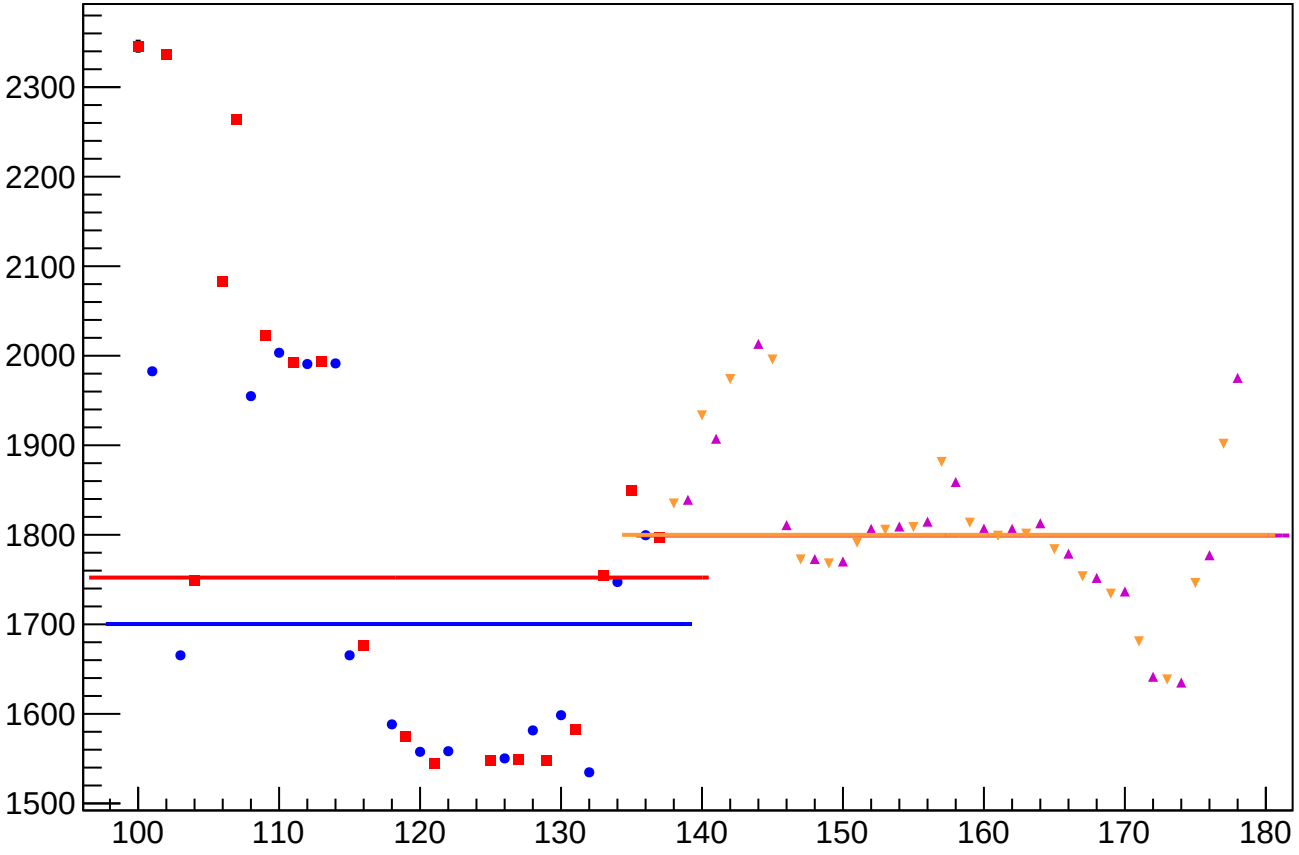
Left In: -2285.602+/-445.679 χ^2/NDF:25.6/19

+ sign 1109.837+/-368.838 χ^2/NDF: 42.5/35

All: -470.099+/-261.055 χ^2/NDF: 123.1/73

- sign -2056.037+/-369.538 χ^2/NDF: 43.9/37

dit_asym_atl_avg_rms vs Slug



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1799.954+/-0.320 χ^2/NDF:68165.7/19

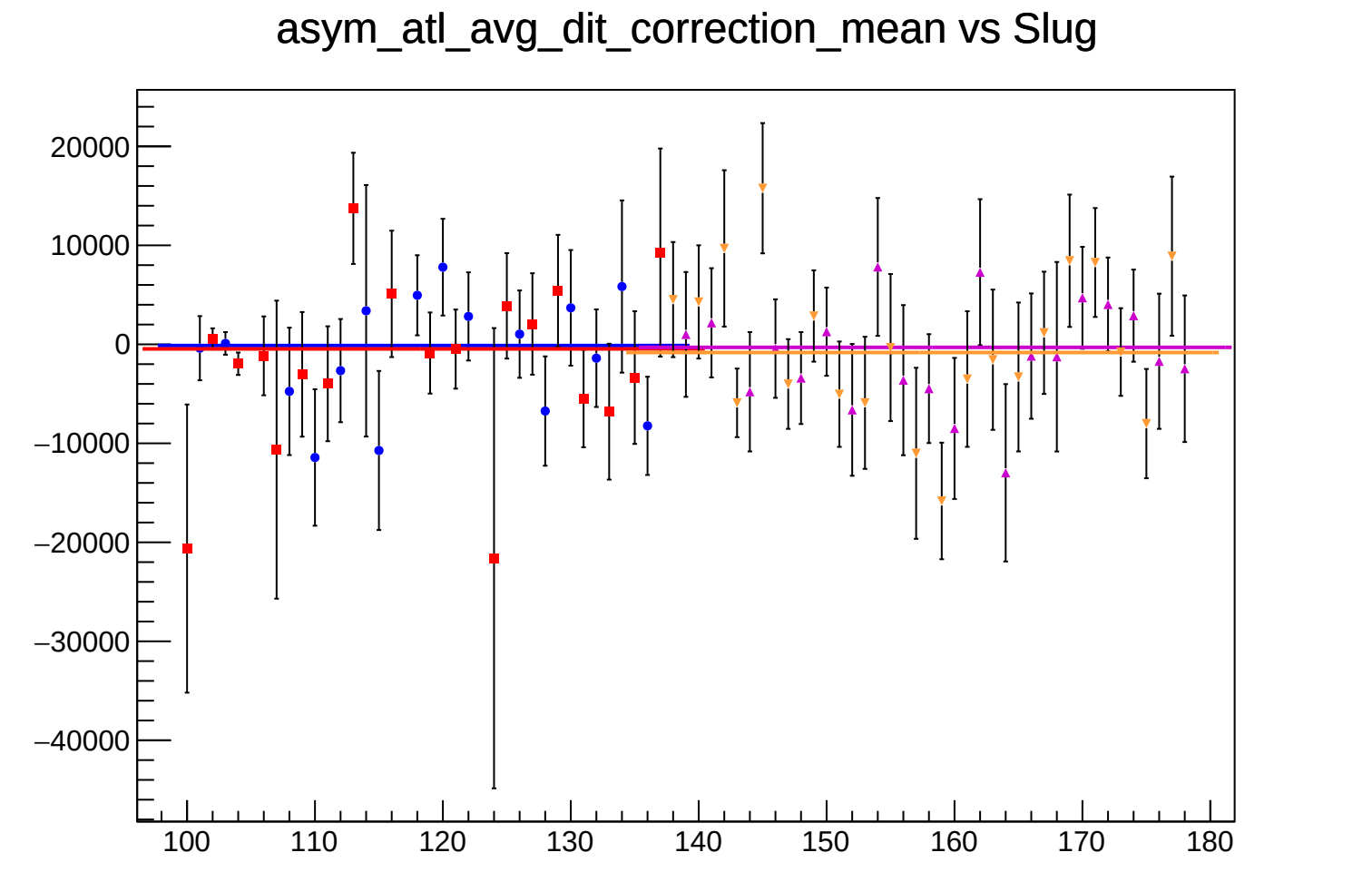
Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1799.210+/-0.315 χ^2/NDF:78463.5/19

+ sign 1766.503+/-0.261 χ^2/NDF: 236113.9/35

All: 1775.483+/-0.185 χ^2/NDF: 571868.5/73

- sign 1784.486+/-0.261 χ^2/NDF: 333380.3/37



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: -825.356+/-1253.597 χ^2/NDF:30.3/20

Right Out: -459.431+/-679.157 χ^2/NDF: 18.5/18

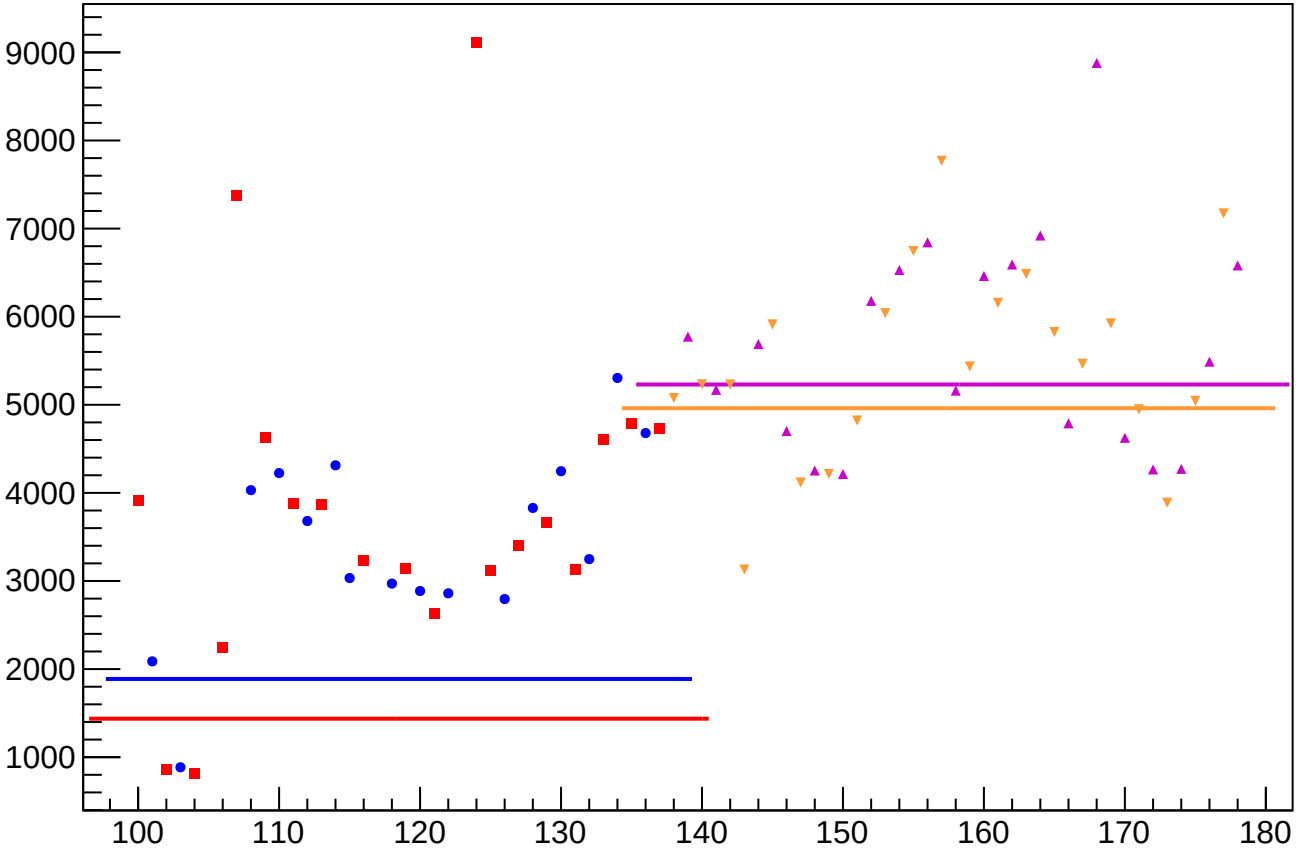
Left In: -305.209+/-1323.524 χ^2/NDF:11.2/19

+ sign -352.150+/-713.432 χ^2/NDF: 45.6/36

All: -395.902+/-461.091 χ^2/NDF: 75.3/75

- sign -427.286+/-604.246 χ^2/NDF: 29.7/38

asym_atl_avg_dit_correction_rms vs Slug



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 4961.003+/-0.886 χ^2/NDF:1627338.5/20

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

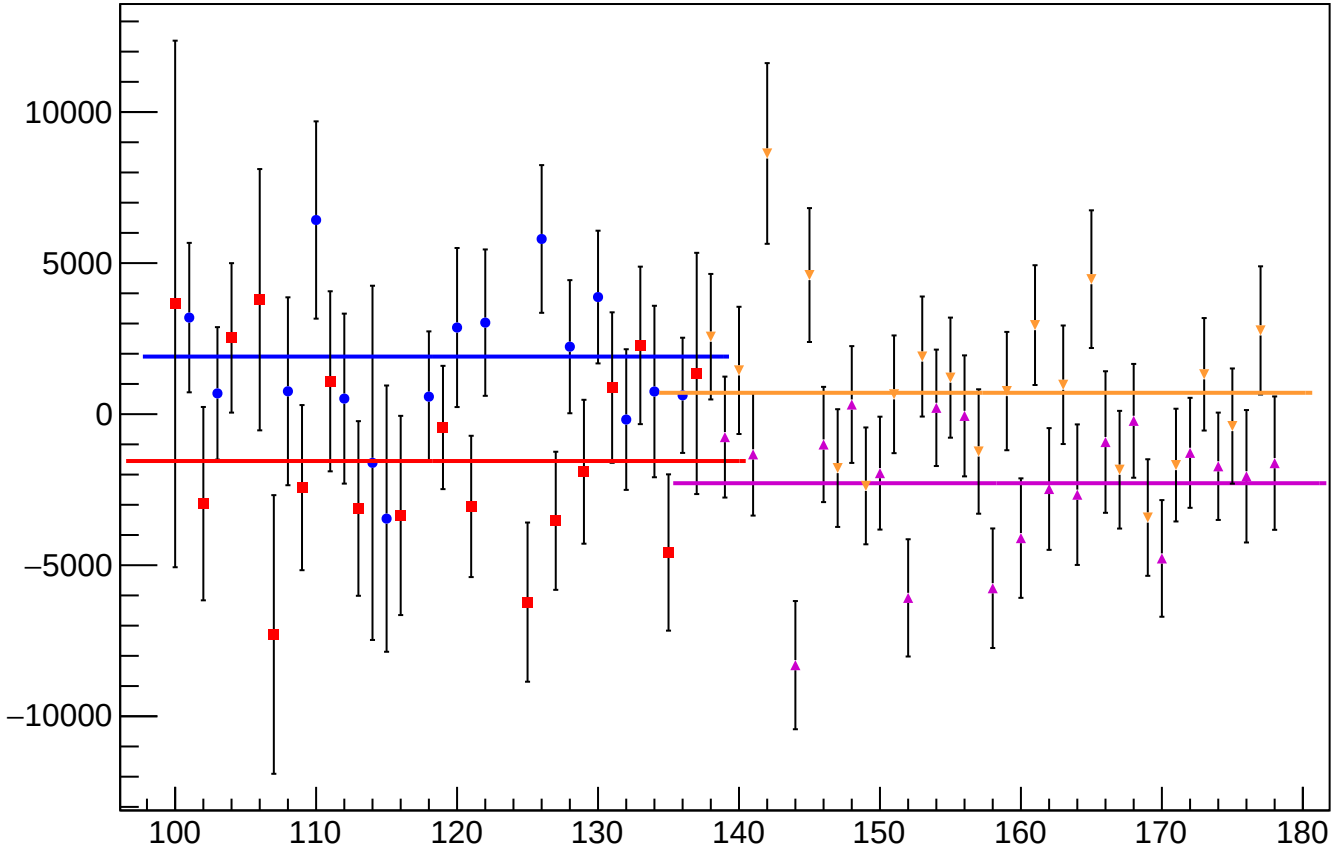
Left In: 5230.472+/-0.936 χ^2/NDF:1206997.1/19

+ sign 2883.296+/-0.504 χ^2/NDF: 14178751.5/36

All: 2501.583+/-0.326 χ^2/NDF: 35337961.5/7

- sign 2227.767+/-0.427 χ^2/NDF: 20175982.7/38

eigen_dit_asym_atl_avg_mean vs Slug



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 707.094+/-452.593 χ^2/NDF:29.9/19

Right Out: -1550.983+/-661.054 χ^2/NDF: 17.5/17

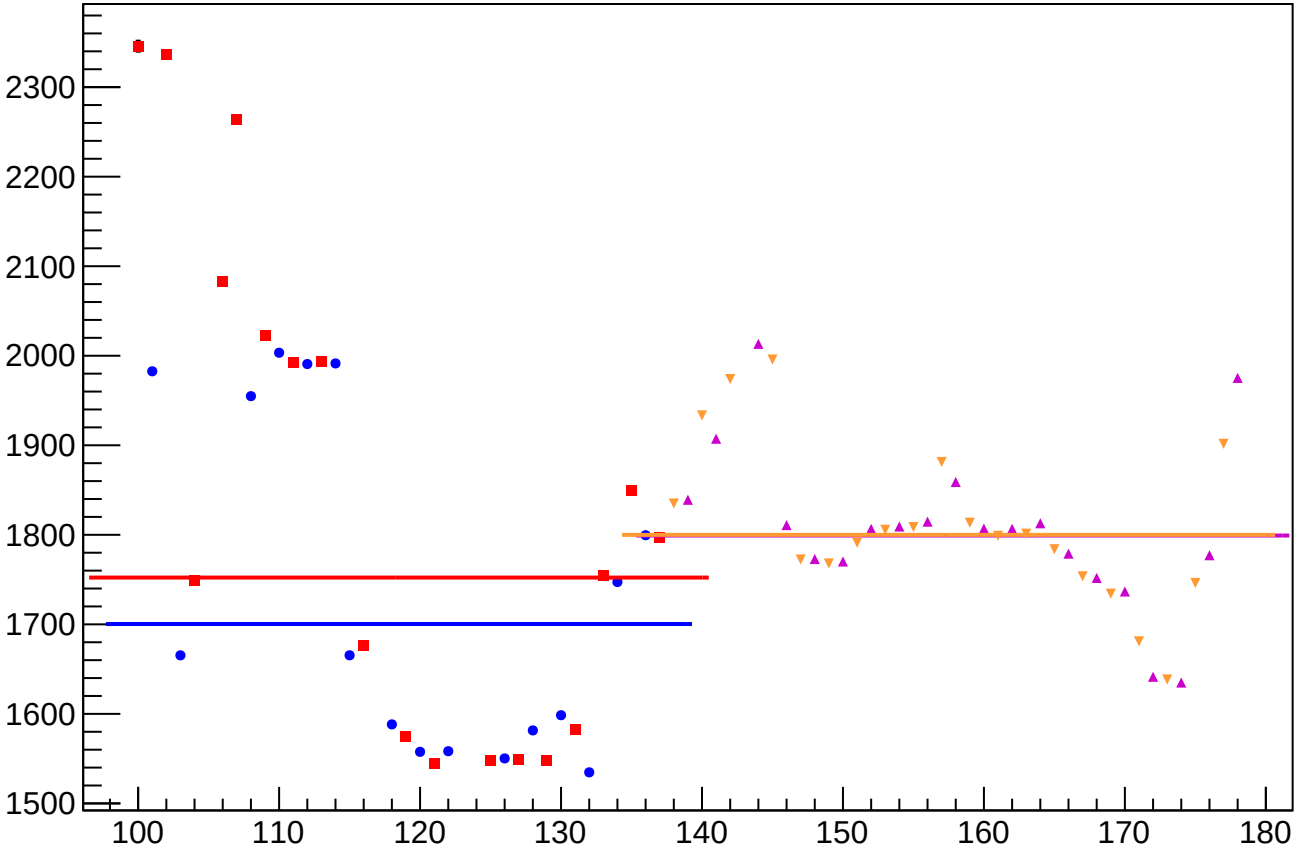
Left In: -2285.604+/-445.679 χ^2/NDF:25.6/19

+ sign 1109.834+/-368.838 χ^2/NDF: 42.5/35

All: -470.100+/-261.055 χ^2/NDF: 123.1/73

- sign -2056.037+/-369.538 χ^2/NDF: 43.9/37

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1799.955+/-0.320 χ^2/NDF:68168.7/19

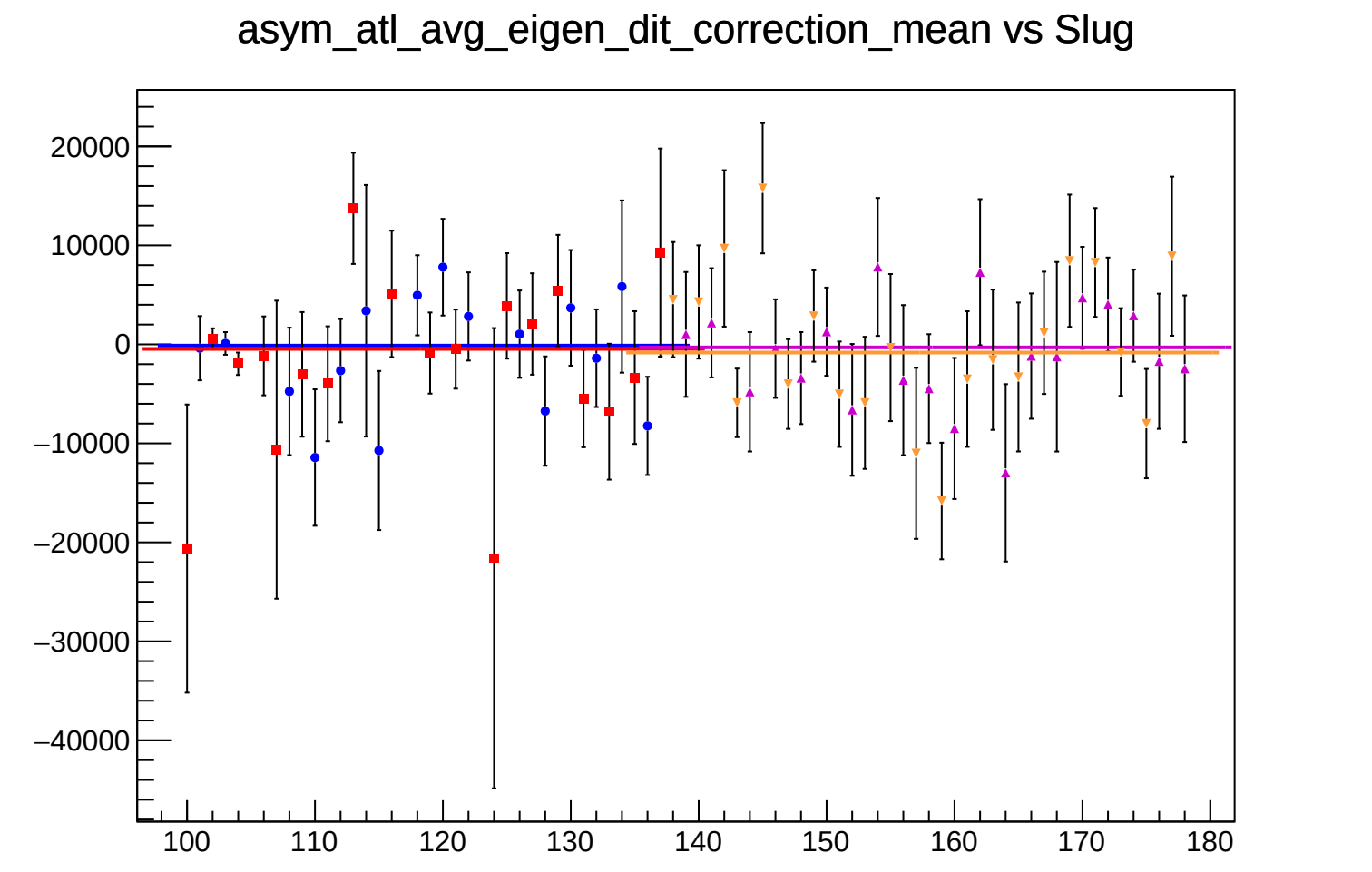
Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1799.211+/-0.315 χ^2/NDF:78466.7/19

+ sign 1766.503+/-0.261 χ^2/NDF: 236117.9/35

All: 1775.484+/-0.185 χ^2/NDF: 571875.7/73

- sign 1784.486+/-0.261 χ^2/NDF: 333383.4/37



Right In: -125.464+/-867.639 χ^2/NDF: 15.1/15

Left Out: -825.362+/-1253.598 χ^2/NDF:30.3/20

Right Out: -459.430+/-679.152 χ^2/NDF: 18.5/18

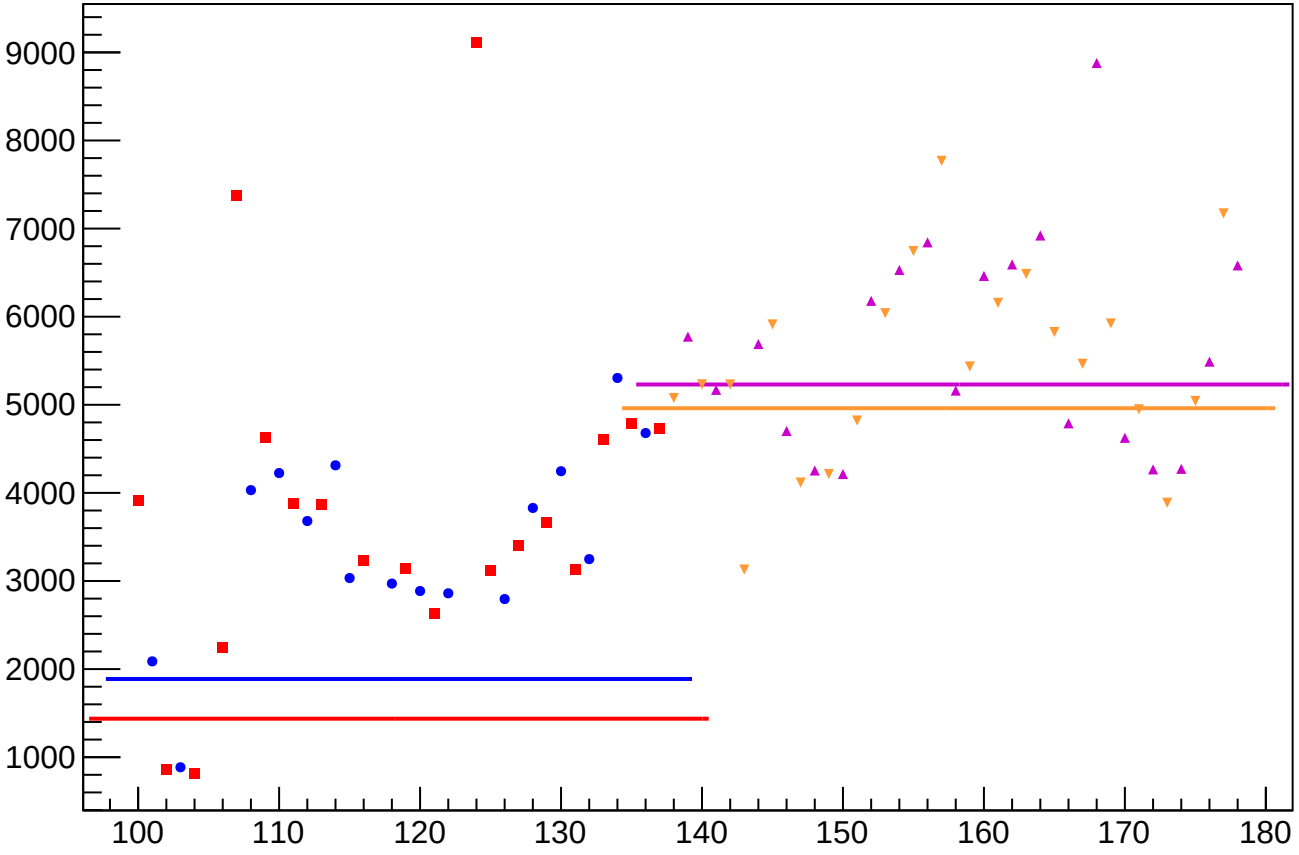
Left In: -305.210+/-1323.526 χ^2/NDF:11.2/19

+ sign -352.147+/-713.429 χ^2/NDF: 45.6/36

All: -395.900+/-461.089 χ^2/NDF: 75.3/75

- sign -427.286+/-604.243 χ^2/NDF: 29.7/38

asym_atl_avg_eigen_dit_correction_rms vs Slug



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 4961.011+/-0.886 χ^2/NDF:1627344.4/20

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

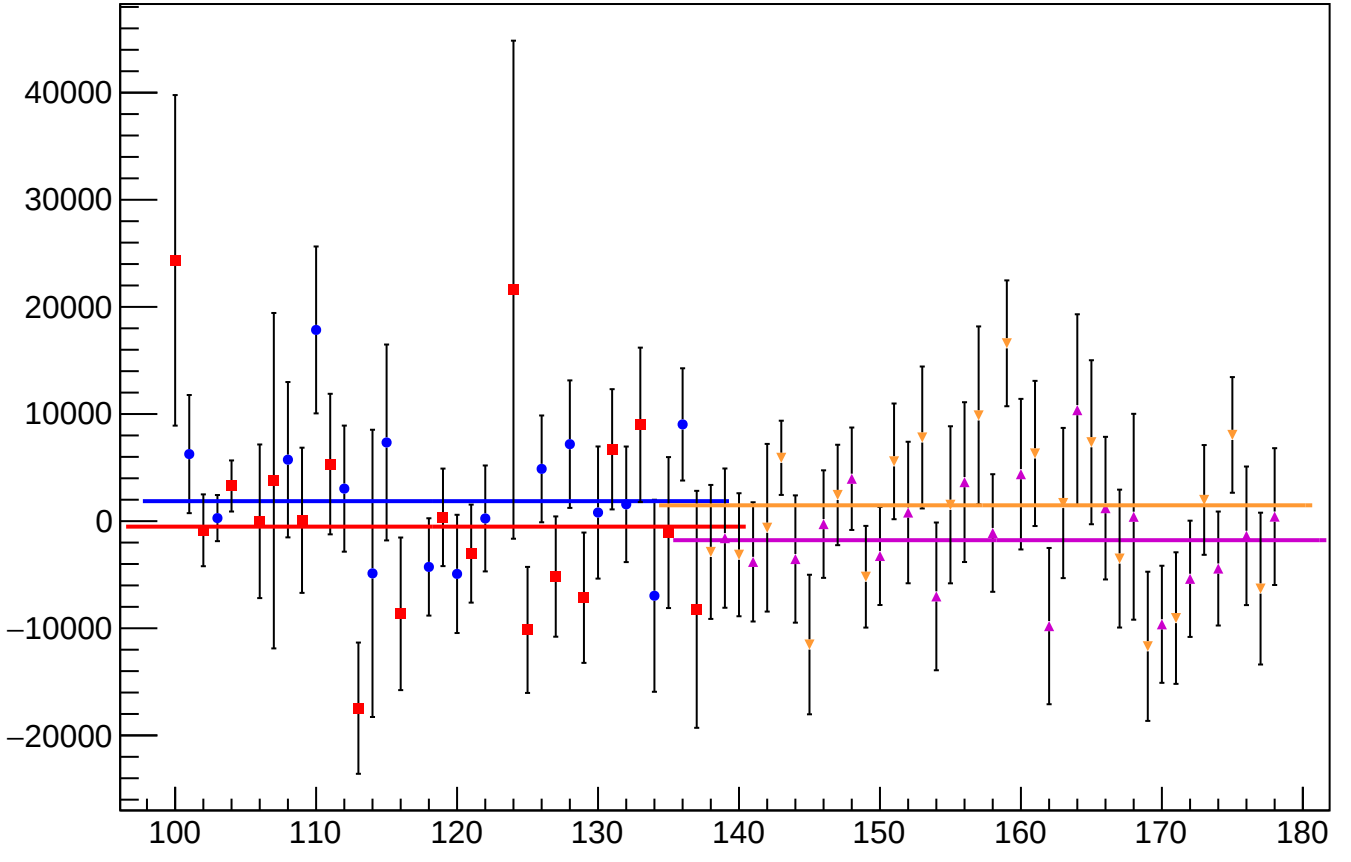
Left In: 5230.481+/-0.936 χ^2/NDF:1206998.0/19

+ sign 2883.277+/-0.504 χ^2/NDF: 14178937.2/36

All: 2501.563+/-0.326 χ^2/NDF: 35338352.3/7

- sign 2227.746+/-0.427 χ^2/NDF: 20176176.7/38

asym_atl_avg_mean vs Slug



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: 1479.645+/-1279.375 χ^2/NDF:28.9/20

Right Out: -512.528+/-1241.513 χ^2/NDF: 24.7/18

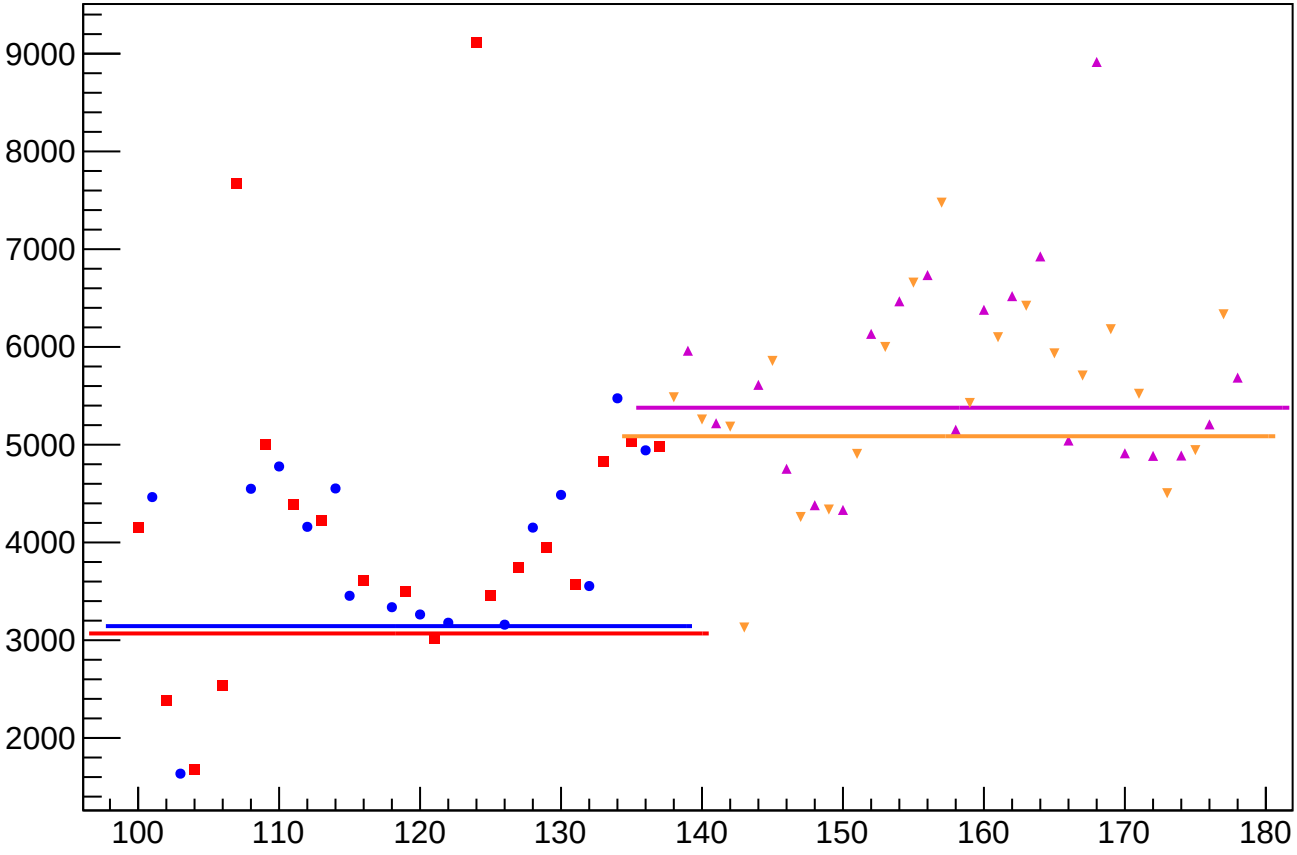
Left In: -1777.366+/-1352.538 χ^2/NDF:10.1/19

+ sign 1676.209+/-897.432 χ^2/NDF: 42.7/36

All: 318.891+/-640.570 χ^2/NDF: 82.6/75

- sign -1090.911+/-914.618 χ^2/NDF: 35.2/38

asym_atl_avg_rms vs Slug



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 5086.465+/-0.905 χ^2/NDF:1401492.7/20

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

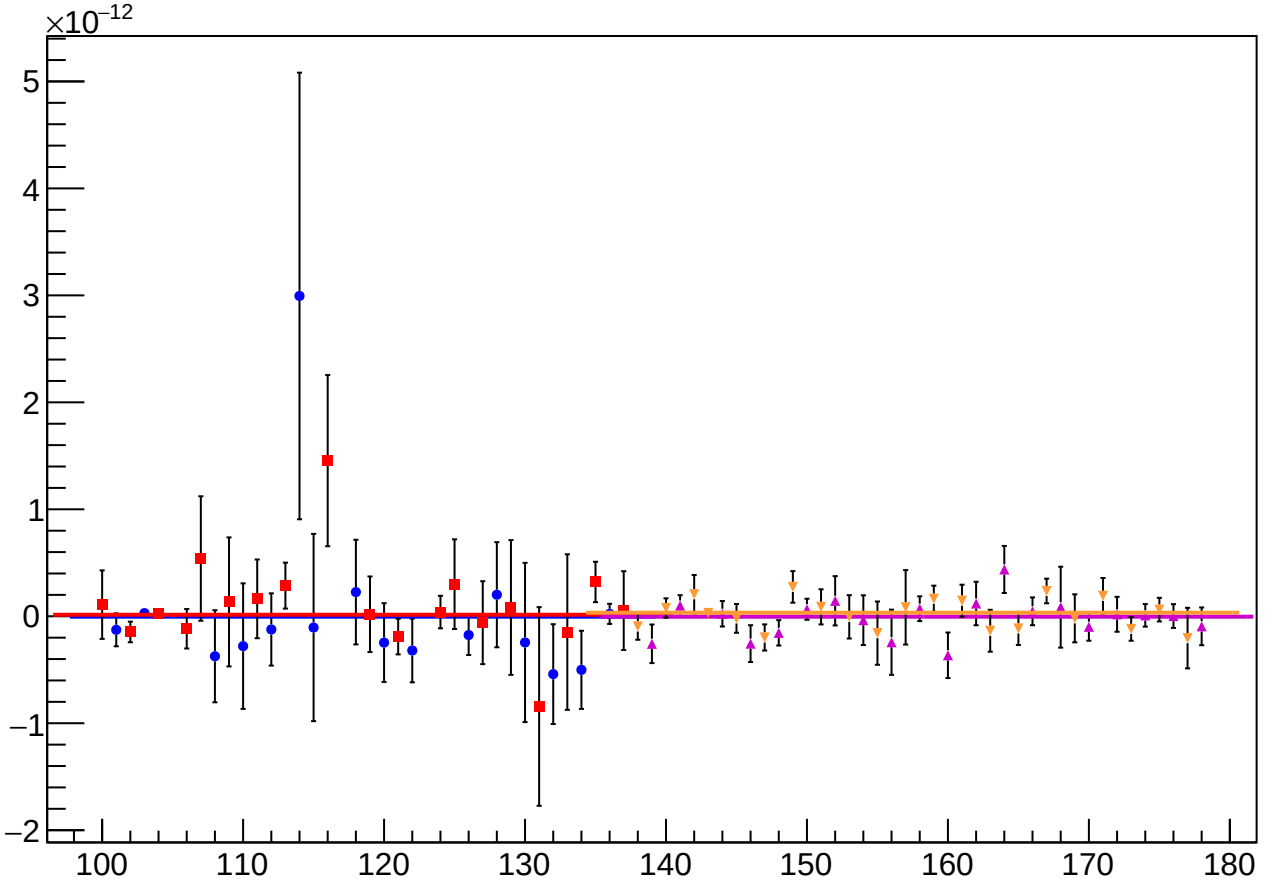
Left In: 5378.139+/-0.956 χ^2/NDF:868102.2/19

+ sign 4099.854+/-0.635 χ^2/NDF: 5626182.0/36

All: 4103.390+/-0.451 χ^2/NDF: 11584888.6/7

- sign 4107.001+/-0.641 χ^2/NDF: 5958643.9/38

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:19.3/20

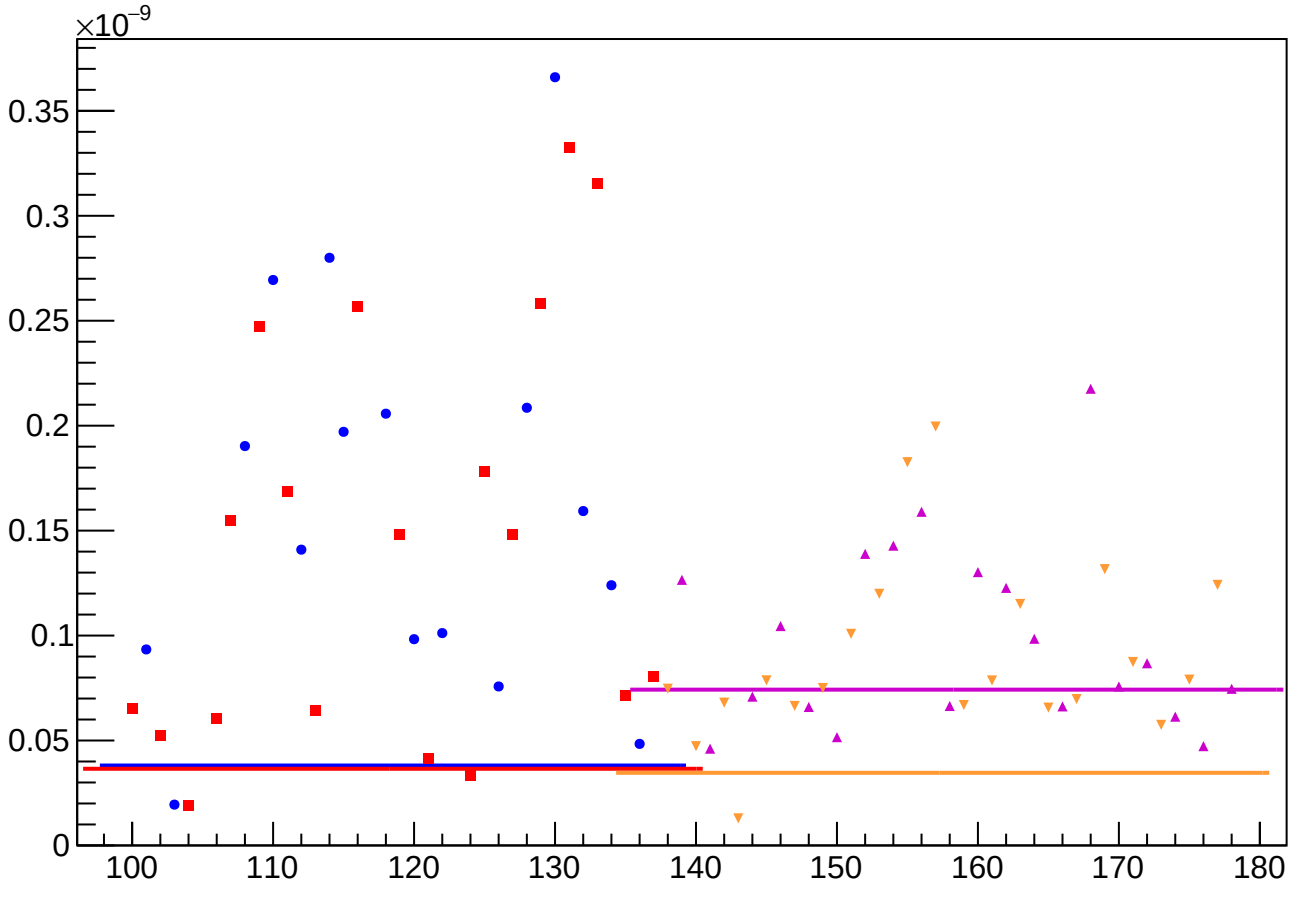
Right Out: 0.000+/-0.000 χ^2/NDF: 14.9/18

Left In: -0.000+/-0.000 χ^2/NDF:17.2/19

+ sign 0.000+/-0.000 χ^2/NDF: 30.9/36

All: 0.000+/-0.000 χ^2/NDF: 63.6/75

- sign 0.000+/-0.000 χ^2/NDF: 32.3/38



Right In: 0.000+/-0.000 χ^2/NDF: 2888502.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6275295.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2683451.3/18

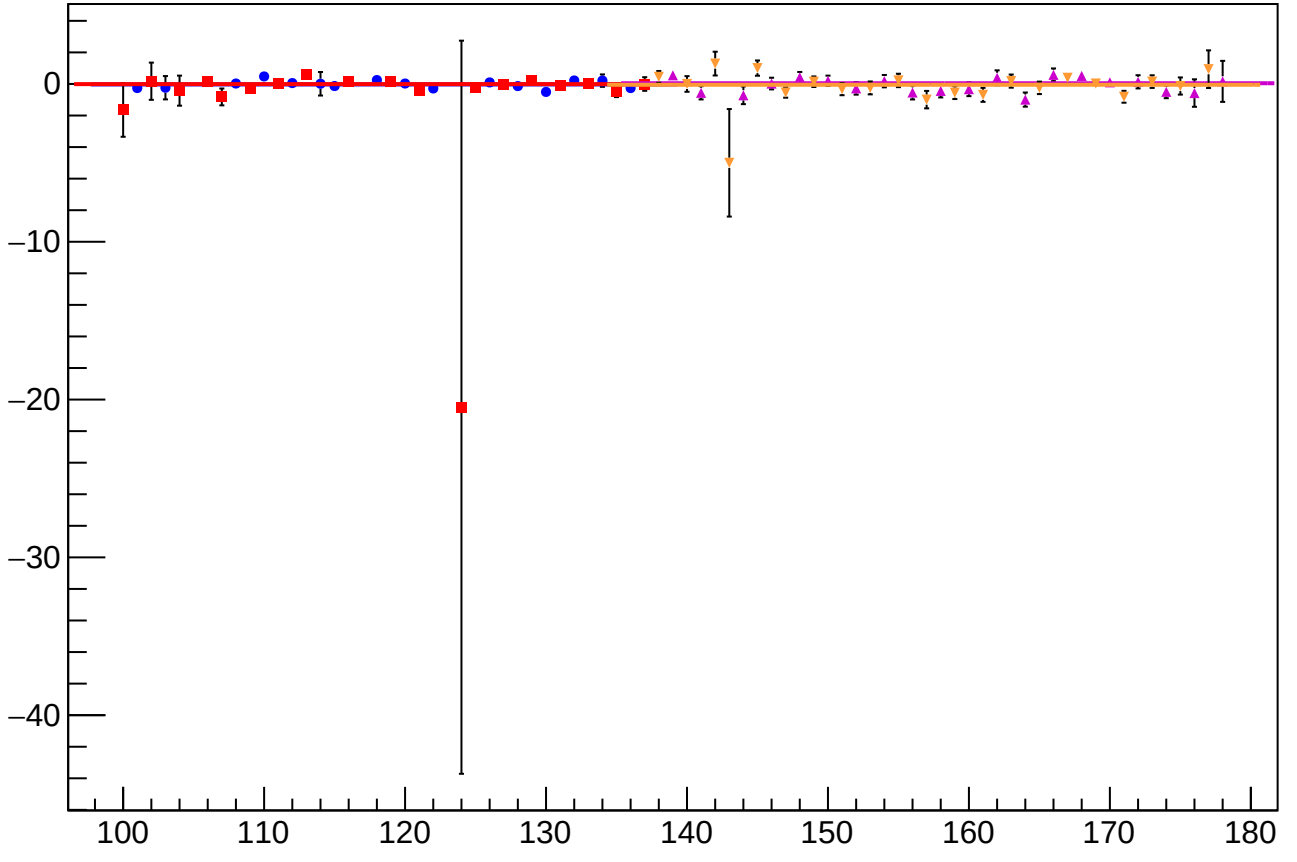
Left In: 0.000+/-0.000 χ^2/NDF:1741338.2/19

+ sign 0.000+/-0.000 χ^2/NDF: 9179748.9/36

All: 0.000+/-0.000 χ^2/NDF: 15991842.3/75

- sign 0.000+/-0.000 χ^2/NDF: 5785287.8/38

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.051+/-0.086 χ^2/NDF:30.2/20

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

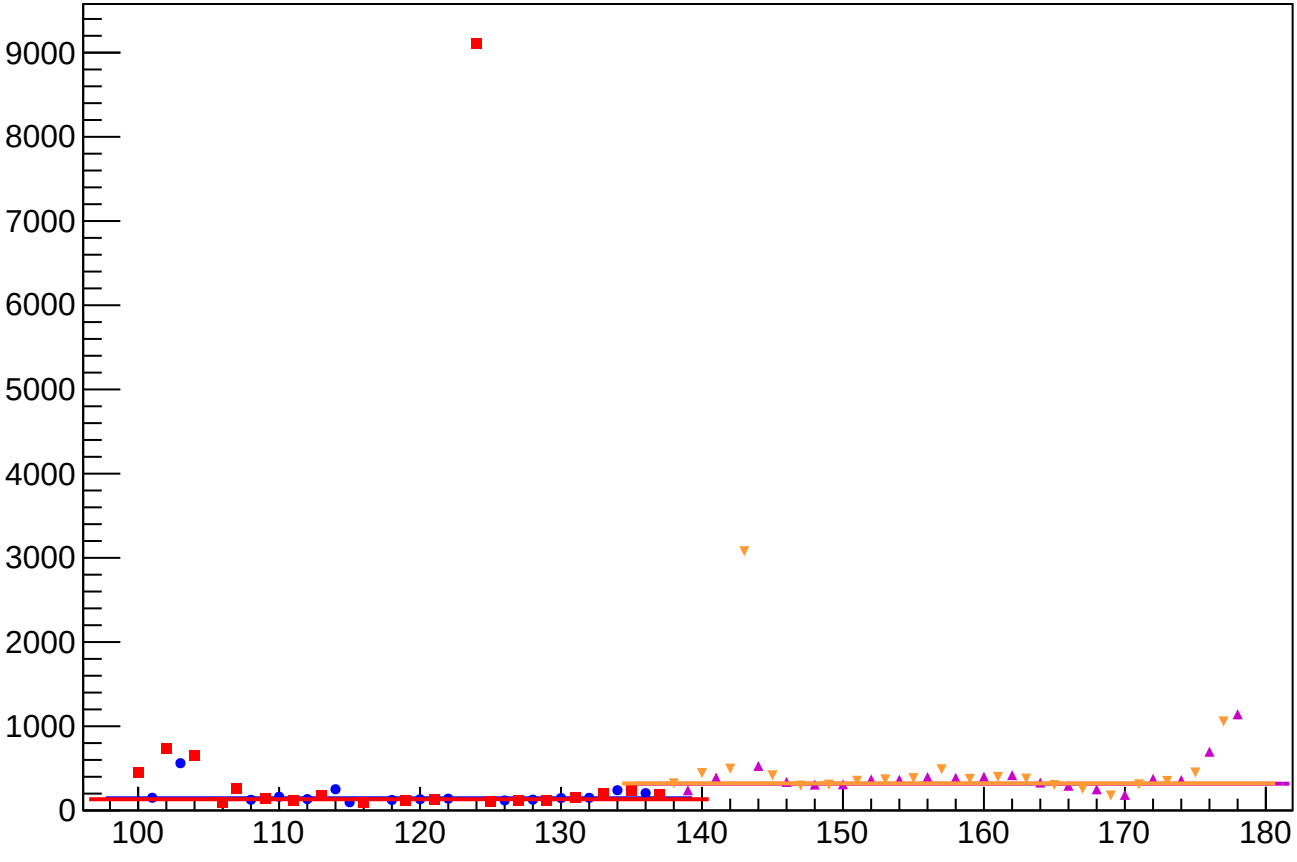
Left In: 0.046+/-0.084 χ^2/NDF:26.3/19

+ sign -0.036+/-0.048 χ^2/NDF: 47.5/36

All: -0.014+/-0.034 χ^2/NDF: 96.3/75

- sign 0.007+/-0.047 χ^2/NDF: 48.4/38

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 321.516+/-0.061 χ^2/NDF:4065279.2/20

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

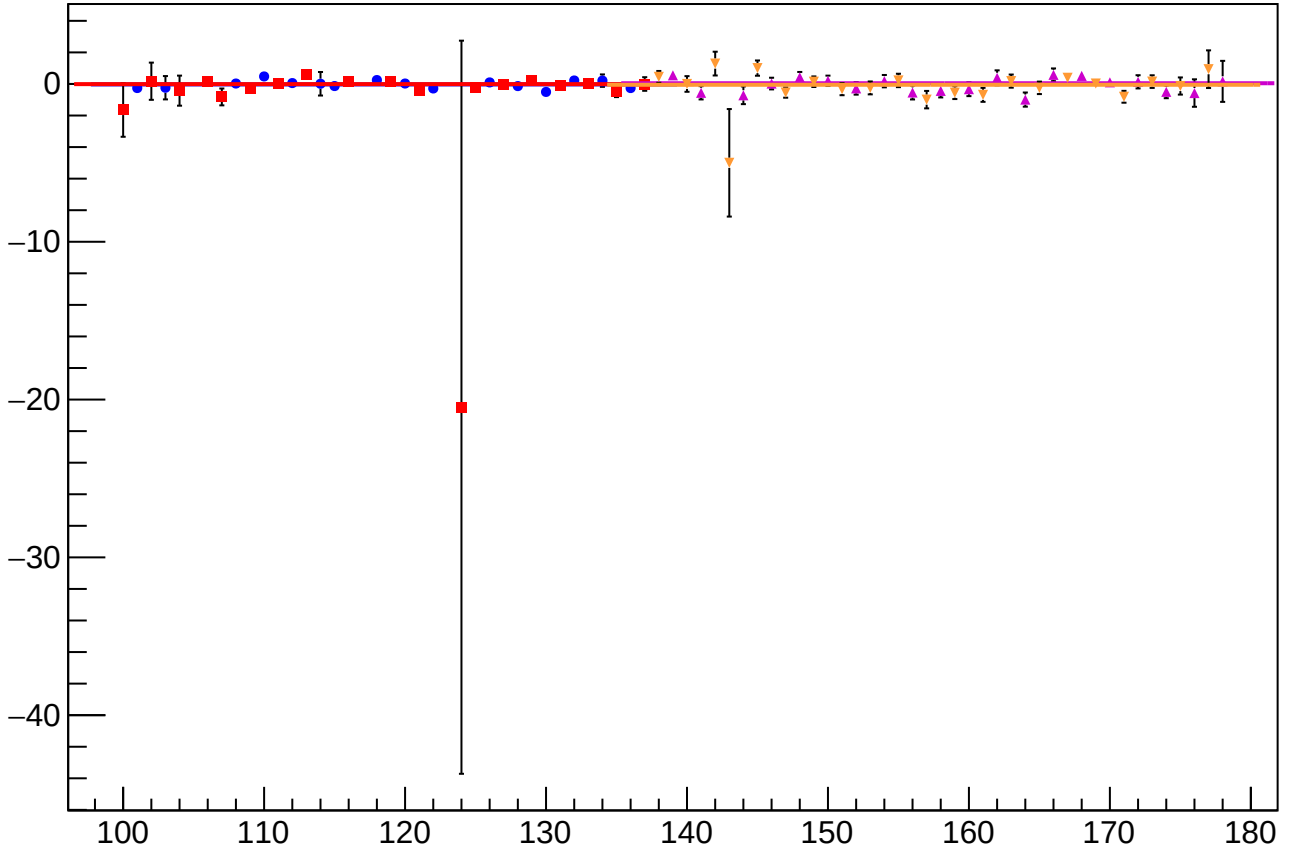
Left In: 317.601+/-0.059 χ^2/NDF:3039934.4/19

+ sign 199.368+/-0.034 χ^2/NDF: 11032079.7/36

All: 194.908+/-0.024 χ^2/NDF: 22952950.5/75

- sign 190.651+/-0.033 χ^2/NDF: 11887130.6/38

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: -0.051+/-0.086 χ^2/NDF:30.2/20

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

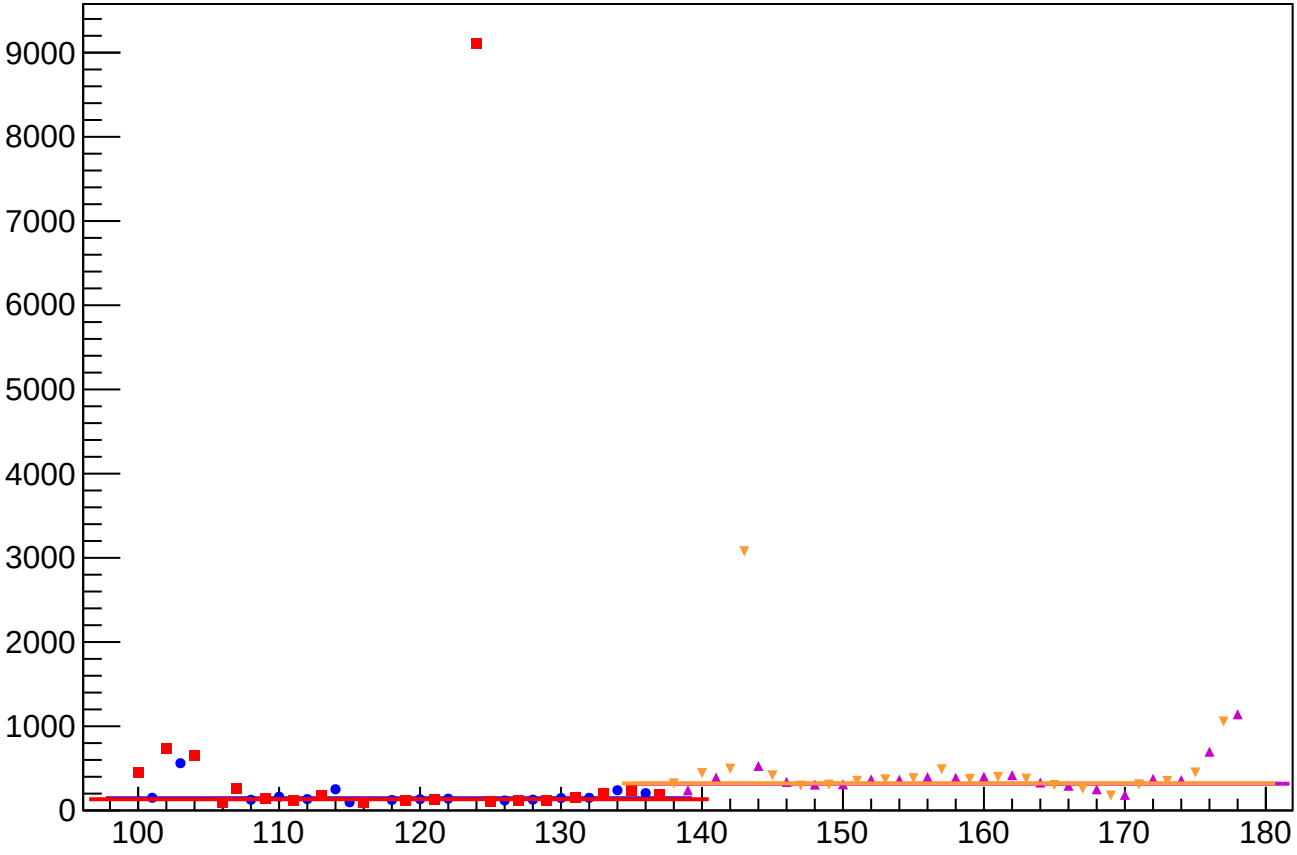
Left In: 0.046+/-0.084 χ^2/NDF:26.3/19

+ sign -0.036+/-0.048 χ^2/NDF: 47.5/36

All: -0.014+/-0.034 χ^2/NDF: 96.3/75

- sign 0.007+/-0.047 χ^2/NDF: 48.4/38

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: 321.516+/-0.061 χ^2/NDF:4065279.2/20

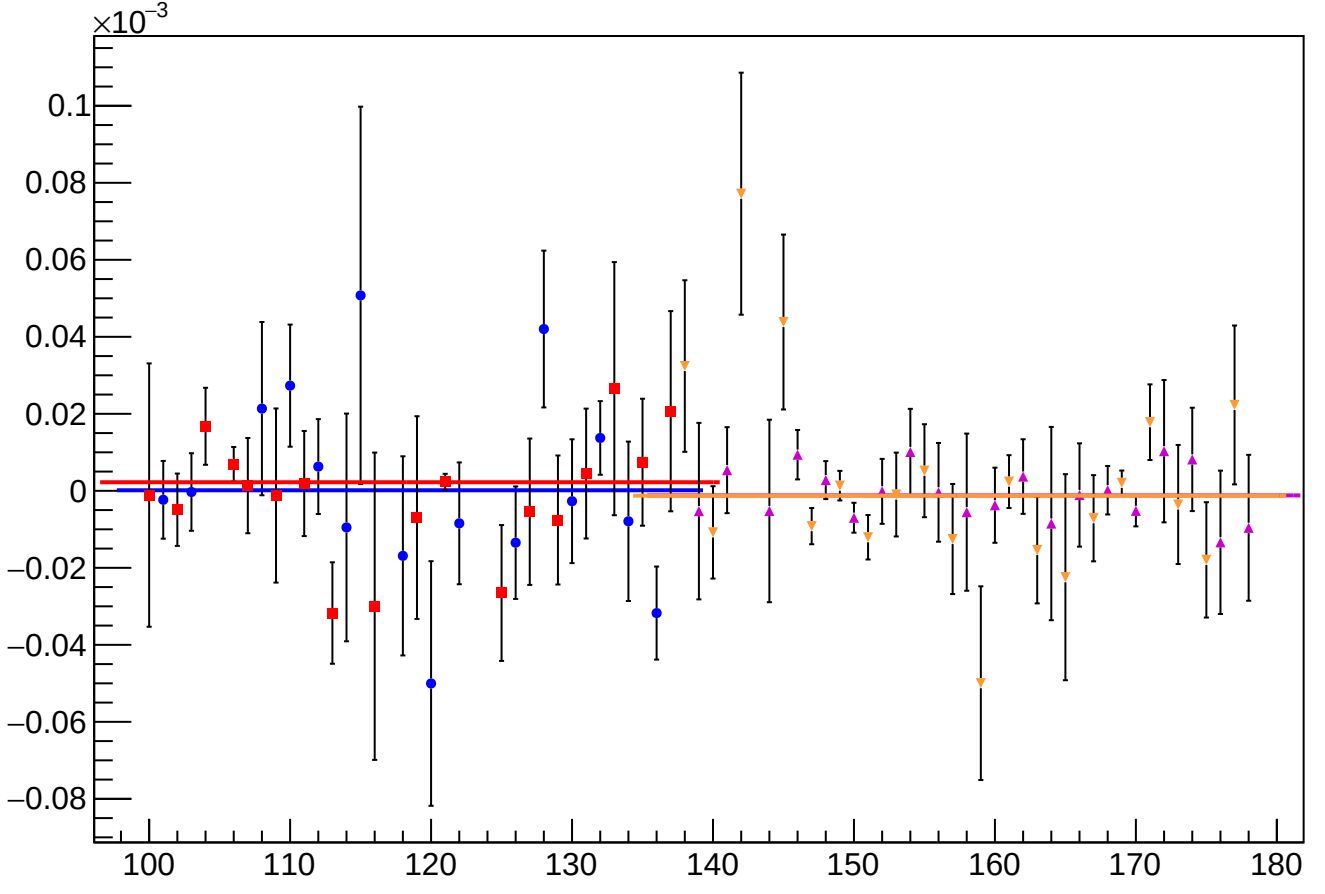
Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 317.601+/-0.059 χ^2/NDF:3039934.4/19

+ sign 199.368+/-0.034 χ^2/NDF: 11032079.7/36

All: 194.908+/-0.024 χ^2/NDF: 22952950.5/75

- sign 190.651+/-0.033 χ^2/NDF: 11887130.6/38



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/17

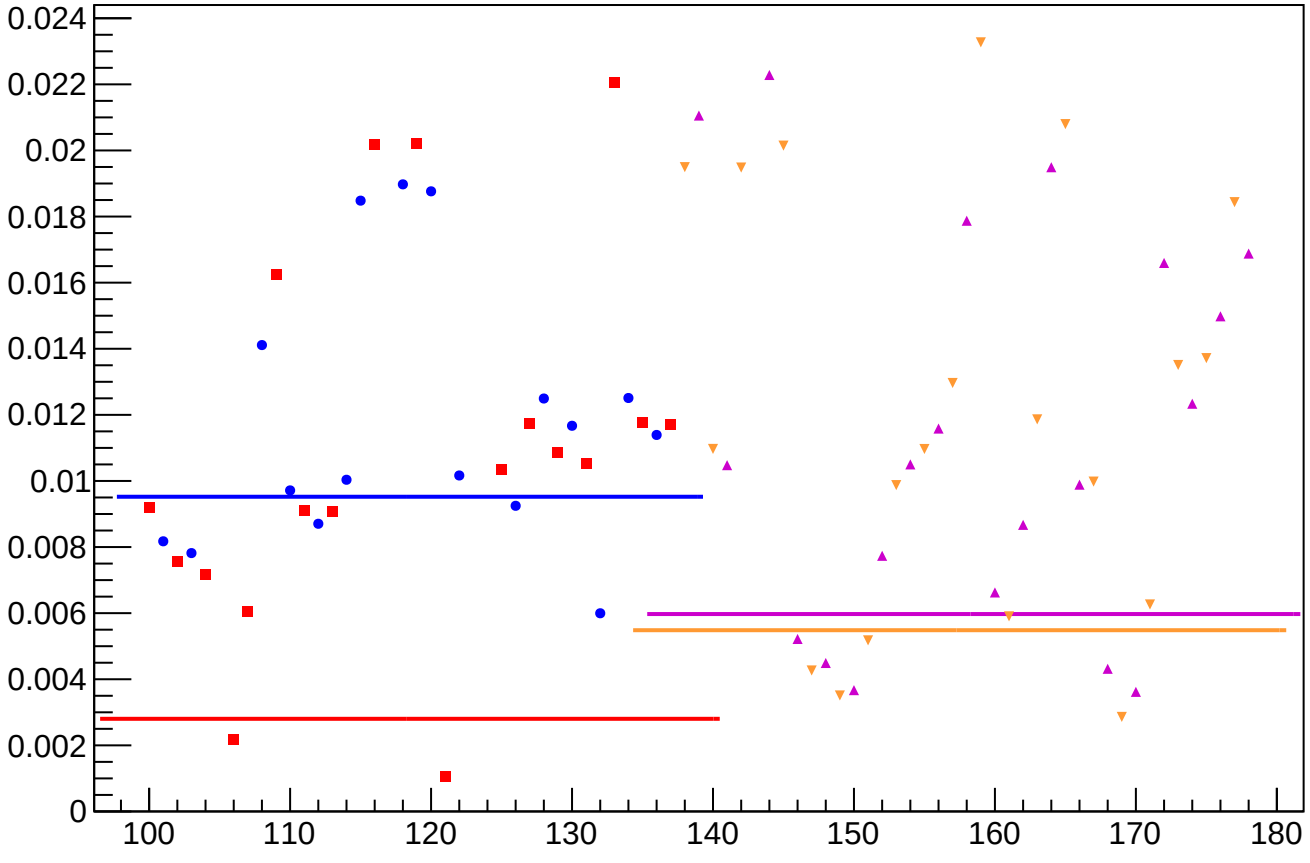
Left In: -0.000+/-0.000 χ^2/NDF:10.0/19

+ sign -0.000+/-0.000 χ^2/NDF: 57.1/35

All: -0.000+/-0.000 χ^2/NDF: 85.3/73

- sign 0.000+/-0.000 χ^2/NDF: 27.5/37

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:10101292.7/19

Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

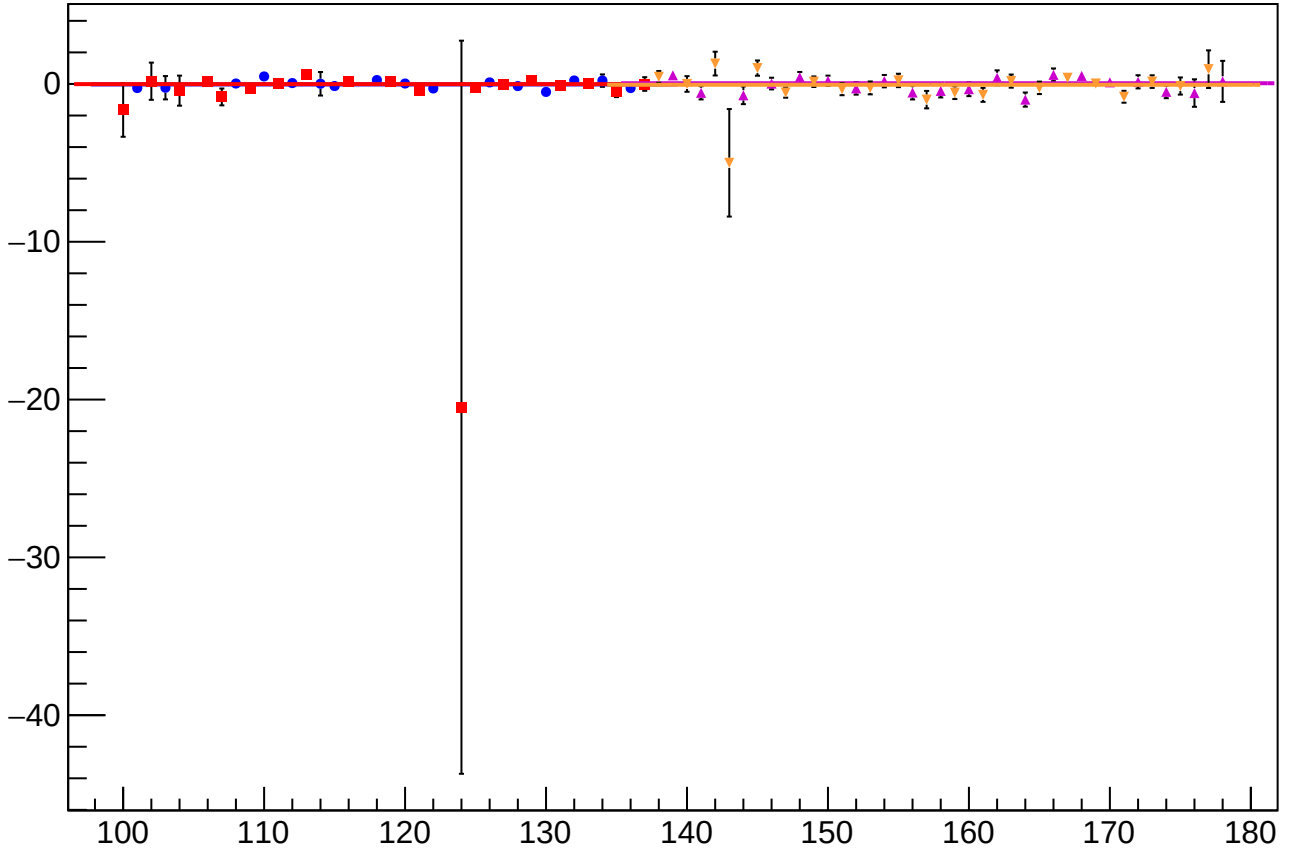
Left In: 0.006+/-0.000 χ^2/NDF:8505968.3/19

+ sign 0.006+/-0.000 χ^2/NDF: 13149631.5/35

All: 0.005+/-0.000 χ^2/NDF: 35217616.1/73

- sign 0.004+/-0.000 χ^2/NDF: 20288736.8/37

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: -0.051+/-0.086 χ^2/NDF:30.2/20

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

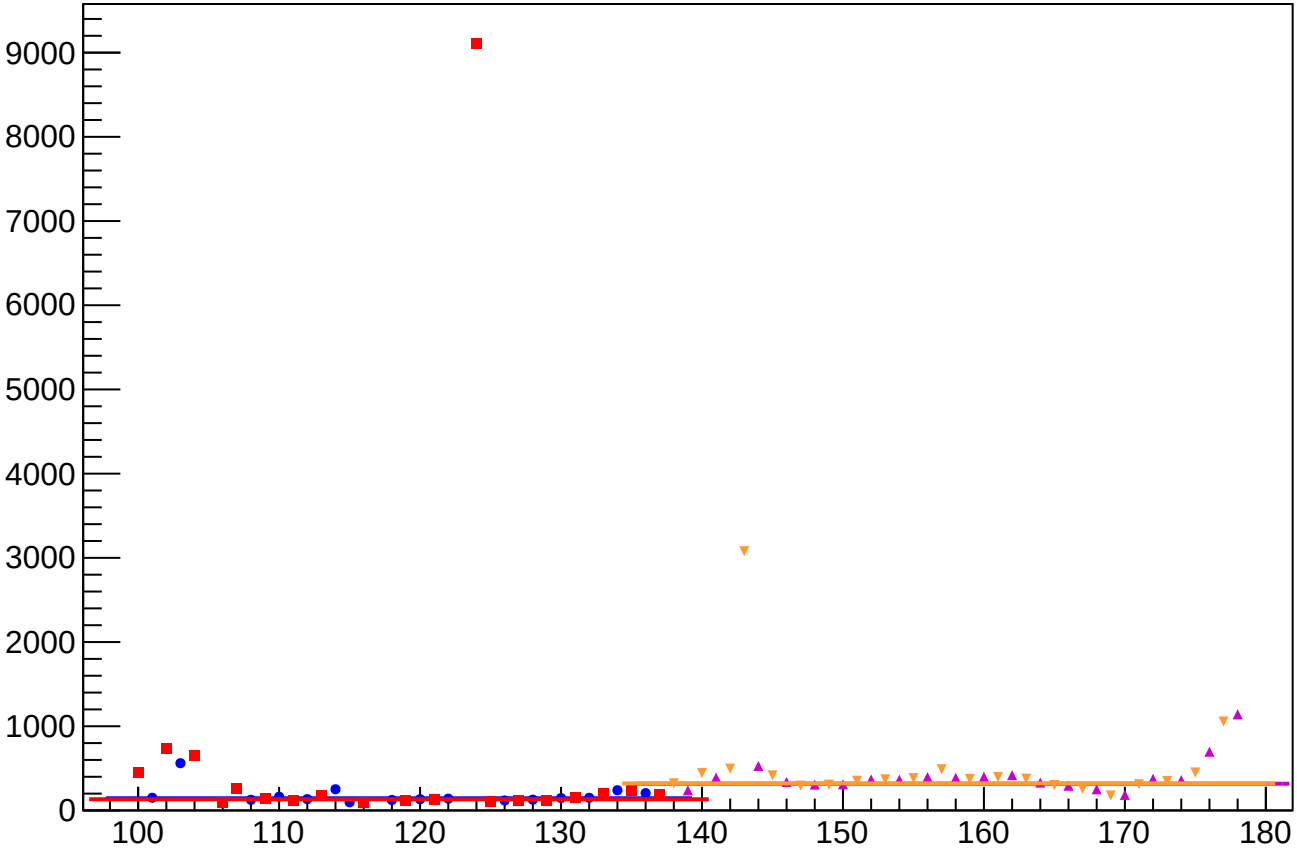
Left In: 0.046+/-0.084 χ^2/NDF:26.3/19

+ sign -0.036+/-0.048 χ^2/NDF: 47.5/36

All: -0.014+/-0.034 χ^2/NDF: 96.3/75

- sign 0.007+/-0.047 χ^2/NDF: 48.4/38

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: 321.518+/-0.061 χ^2/NDF:4065335.4/20

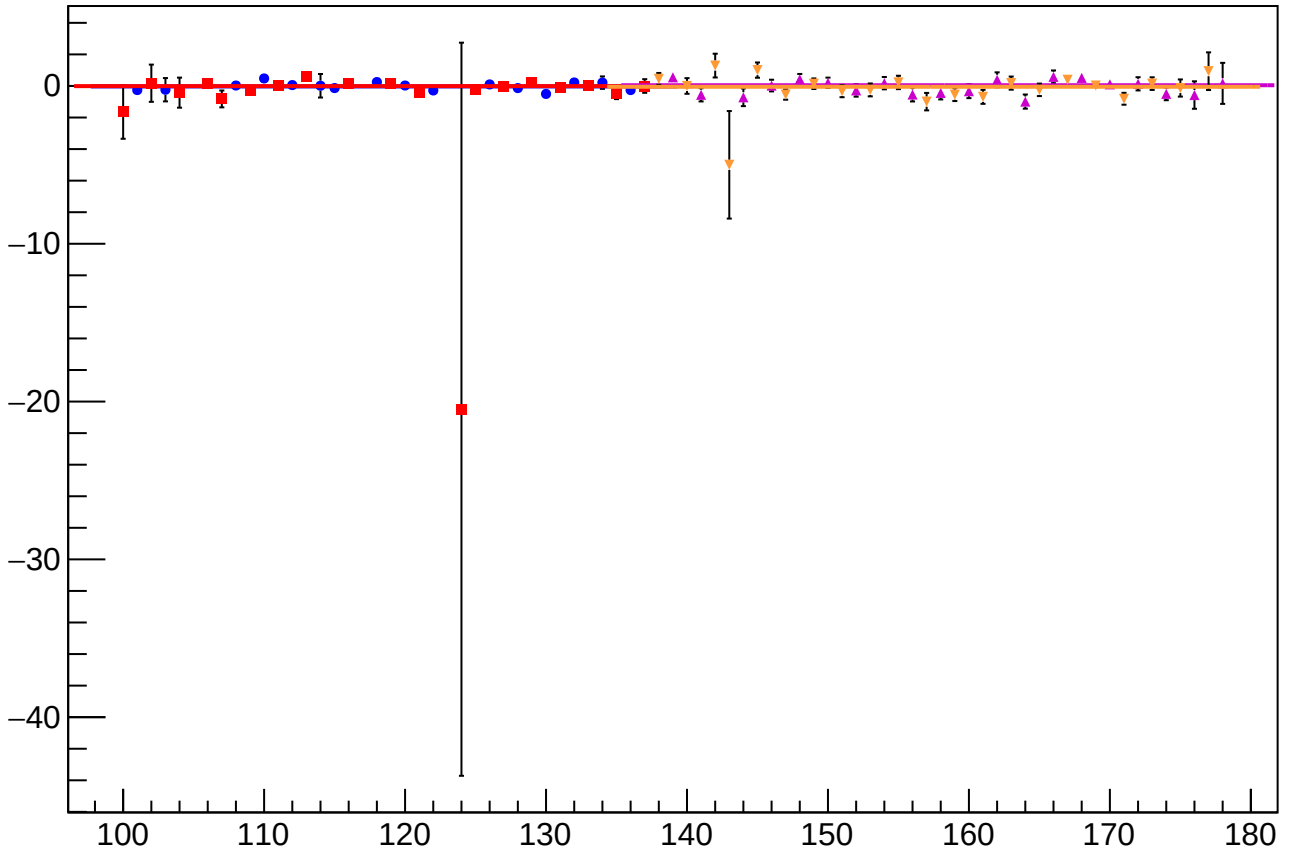
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 317.604+/-0.059 χ^2/NDF:3039936.9/19

+ sign 199.367+/-0.034 χ^2/NDF: 11032364.2/36

All: 194.907+/-0.024 χ^2/NDF: 22953380.7/75

- sign 190.651+/-0.033 χ^2/NDF: 11887282.3/38



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.051+/-0.086 χ^2/NDF:30.2/20

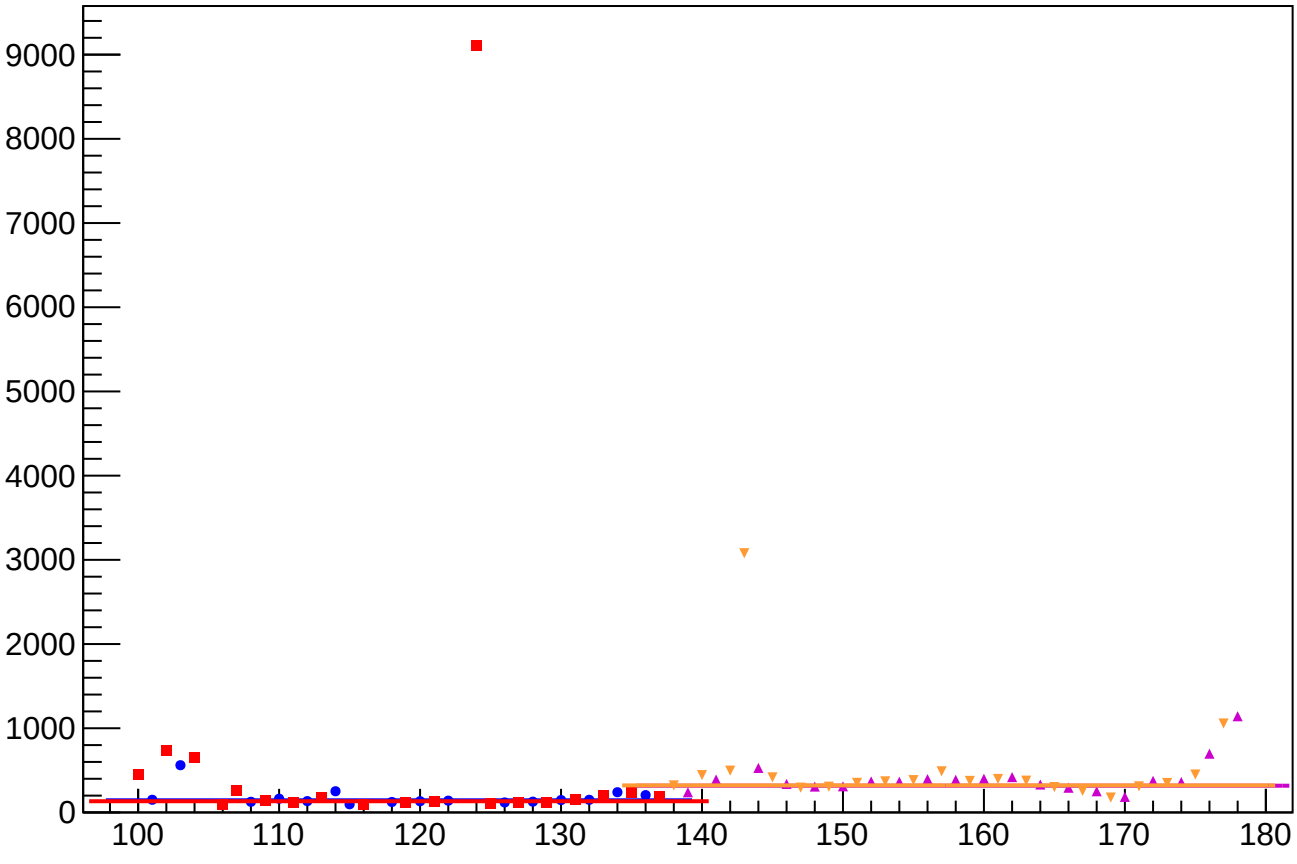
Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: 0.046+/-0.084 χ^2/NDF:26.3/19

+ sign -0.036+/-0.048 χ^2/NDF: 47.5/36

All: -0.014+/-0.034 χ^2/NDF: 96.3/75

- sign 0.007+/-0.047 χ^2/NDF: 48.4/38



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 321.518+/-0.061 χ^2/NDF:4065335.4/20

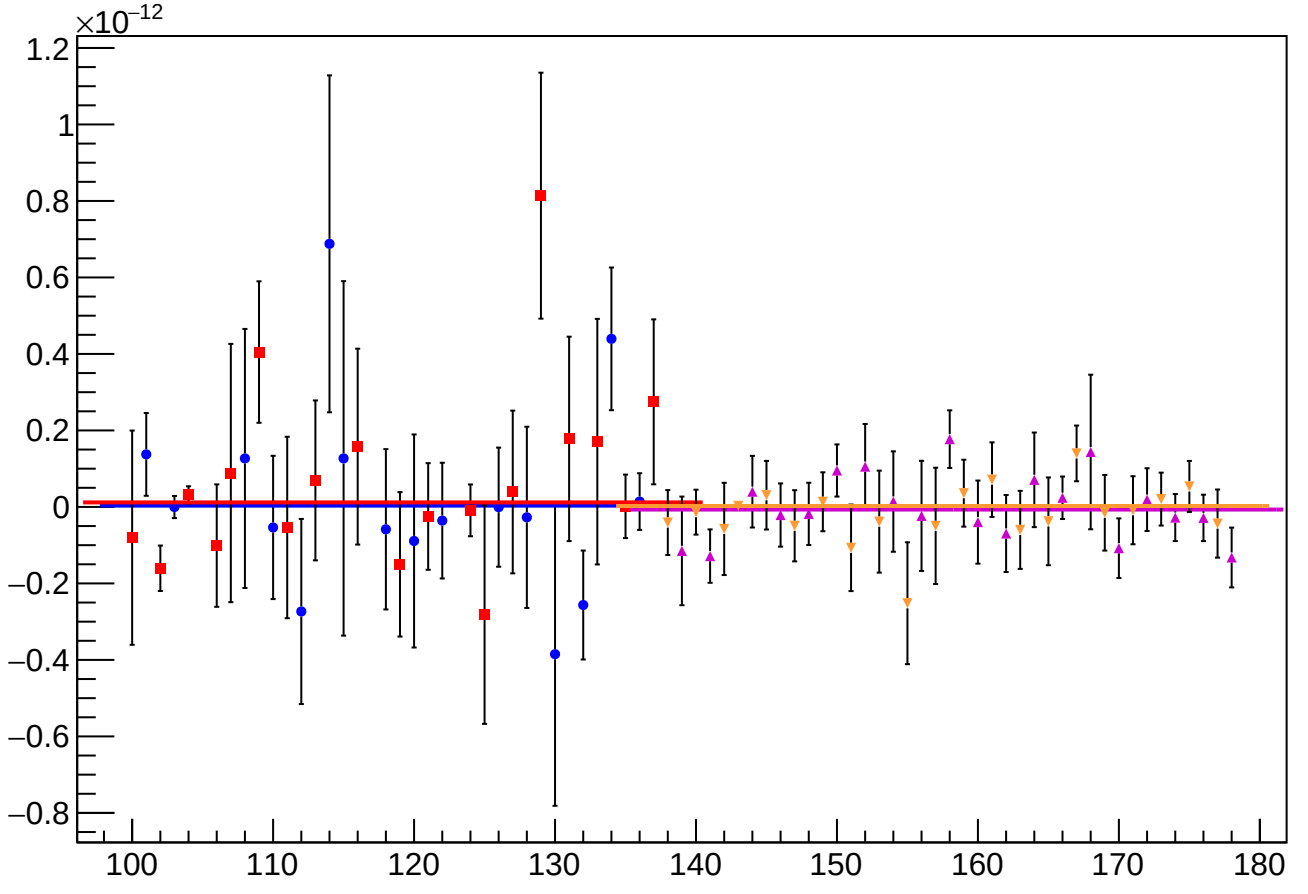
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 317.604+/-0.059 χ^2/NDF:3039936.9/19

+ sign 199.367+/-0.034 χ^2/NDF: 11032364.2/36

All: 194.907+/-0.024 χ^2/NDF: 22953380.7/75

- sign 190.651+/-0.033 χ^2/NDF: 11887282.3/38



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

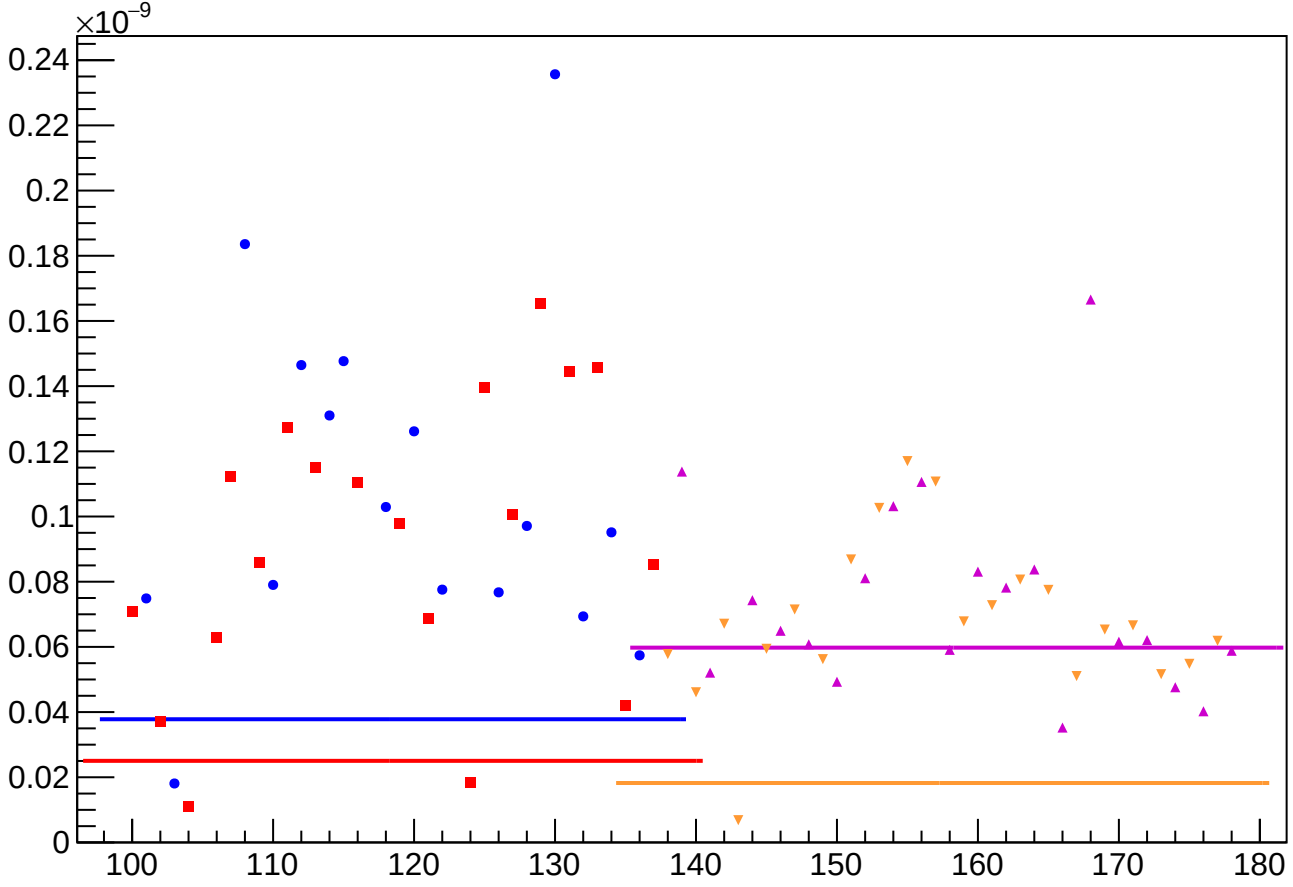
Left In: -0.000+/-0.000 χ^2/NDF:19.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 26.0/36

All: 0.000+/-0.000 χ^2/NDF: 71.2/75

- sign 0.000+/-0.000 χ^2/NDF: 45.1/38

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:13948234.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

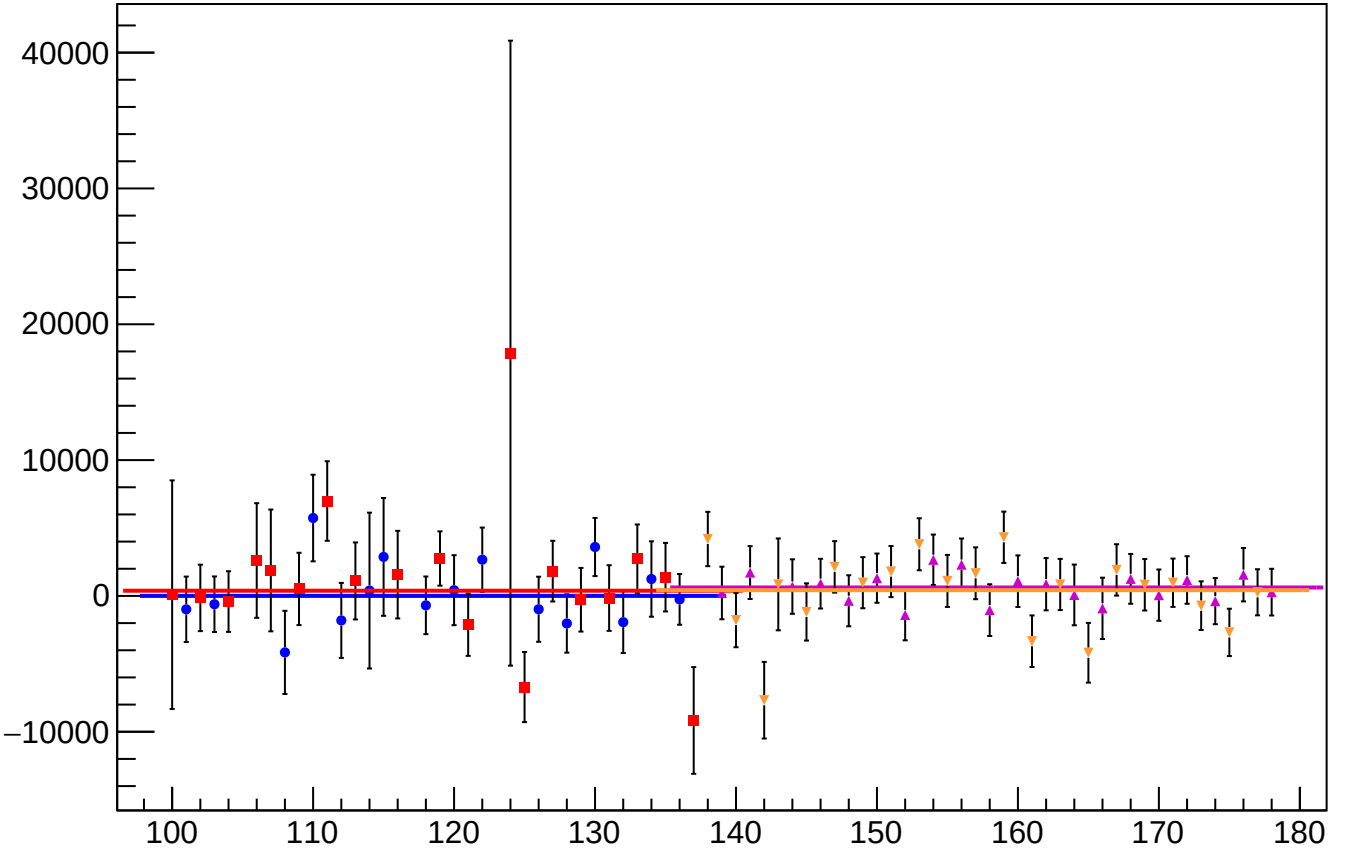
Left In: 0.000+/-0.000 χ^2/NDF:2429128.7/19

+ sign 0.000+/-0.000 χ^2/NDF: 19063242.0/36

All: 0.000+/-0.000 χ^2/NDF: 33489534.7/75

- sign 0.000+/-0.000 χ^2/NDF: 10605751.9/38

reg_asym_atl_dd_mean vs Slug



Right In: 4.373+/-619.905 χ^2/NDF: 12.4/15

Left Out: 423.992+/-425.986 χ^2/NDF:35.7/20

Right Out: 384.758+/-633.682 χ^2/NDF: 24.1/18

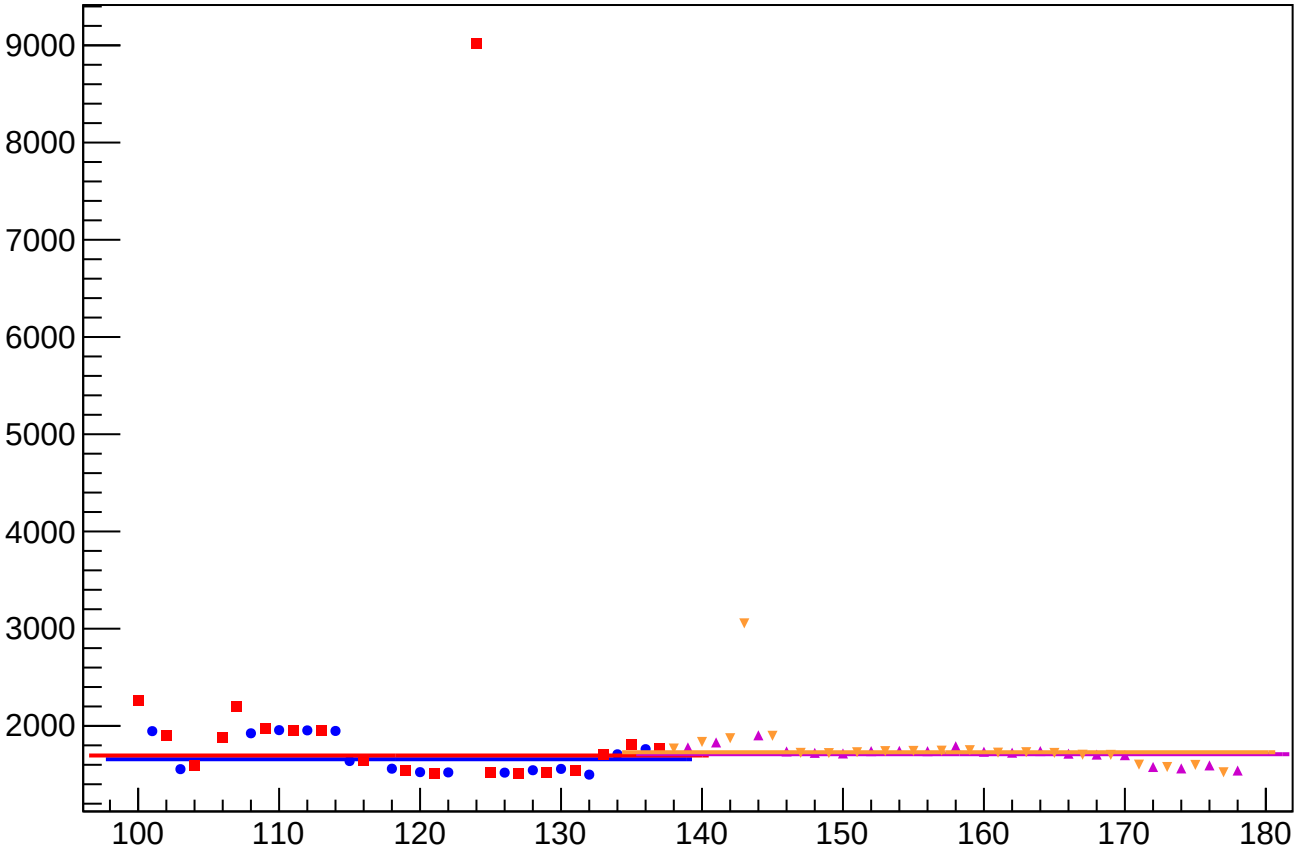
Left In: 621.745+/-423.281 χ^2/NDF:6.2/19

\+ sign 289.399+/-351.083 χ^2/NDF: 48.4/36

All: 418.683+/-248.569 χ^2/NDF: 79.1/75

\- sign 548.628+/-351.979 χ^2/NDF: 30.4/38

reg_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1729.310+/-0.301 χ^2/NDF:398658.4/20

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

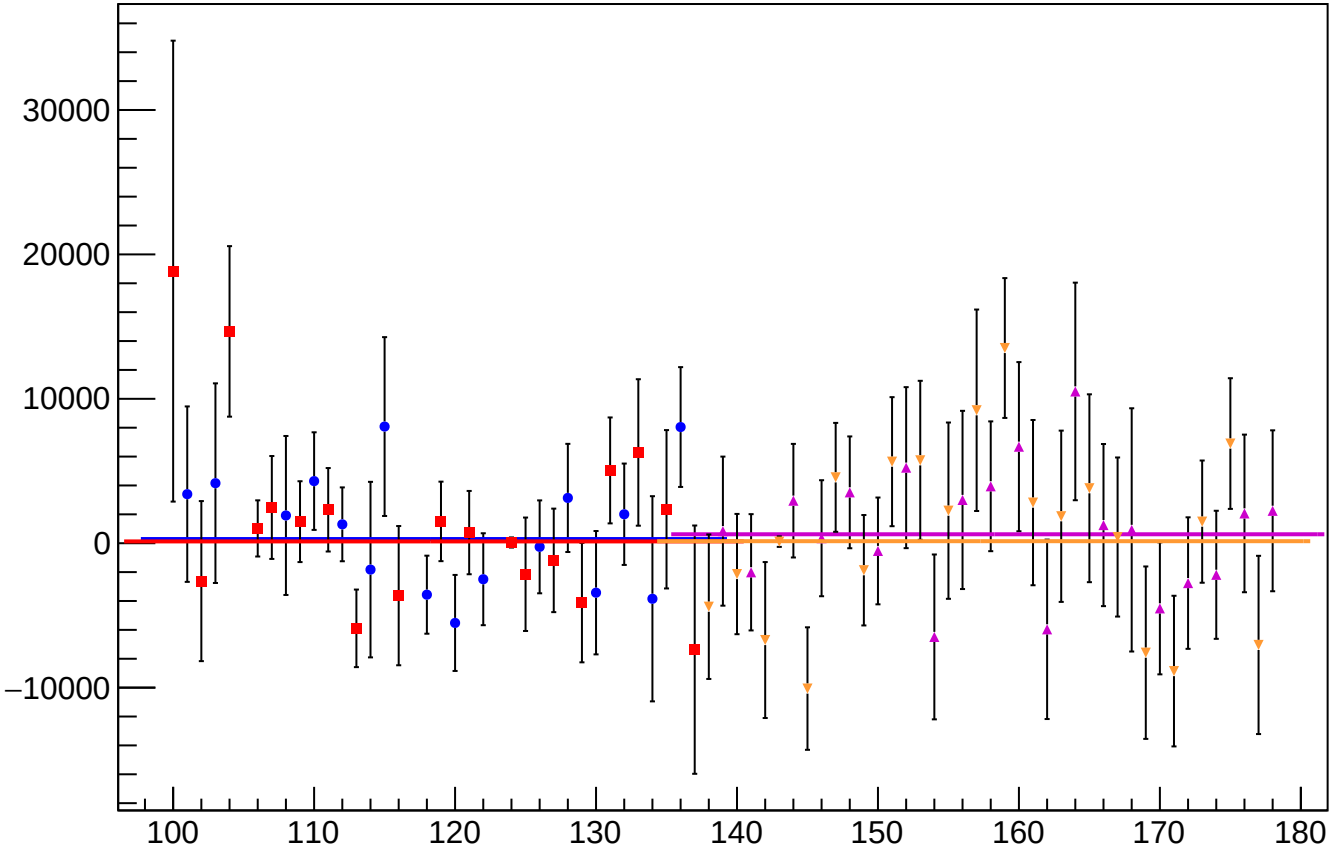
Left In: 1708.851+/-0.299 χ^2/NDF:88333.8/19

+ sign 1706.155+/-0.248 χ^2/NDF: 561064.5/36

All: 1705.454+/-0.176 χ^2/NDF: 1036234.5/75

- sign 1704.752+/-0.249 χ^2/NDF: 475154.1/38

asym_atl_dd_reg_correction_mean vs Slug



Right In: 289.262+/-961.071 χ^2/NDF: 15.2/15

Left Out: 141.141+/-346.003 χ^2/NDF:31.1/20

Right Out: 125.586+/-323.715 χ^2/NDF: 20.8/18

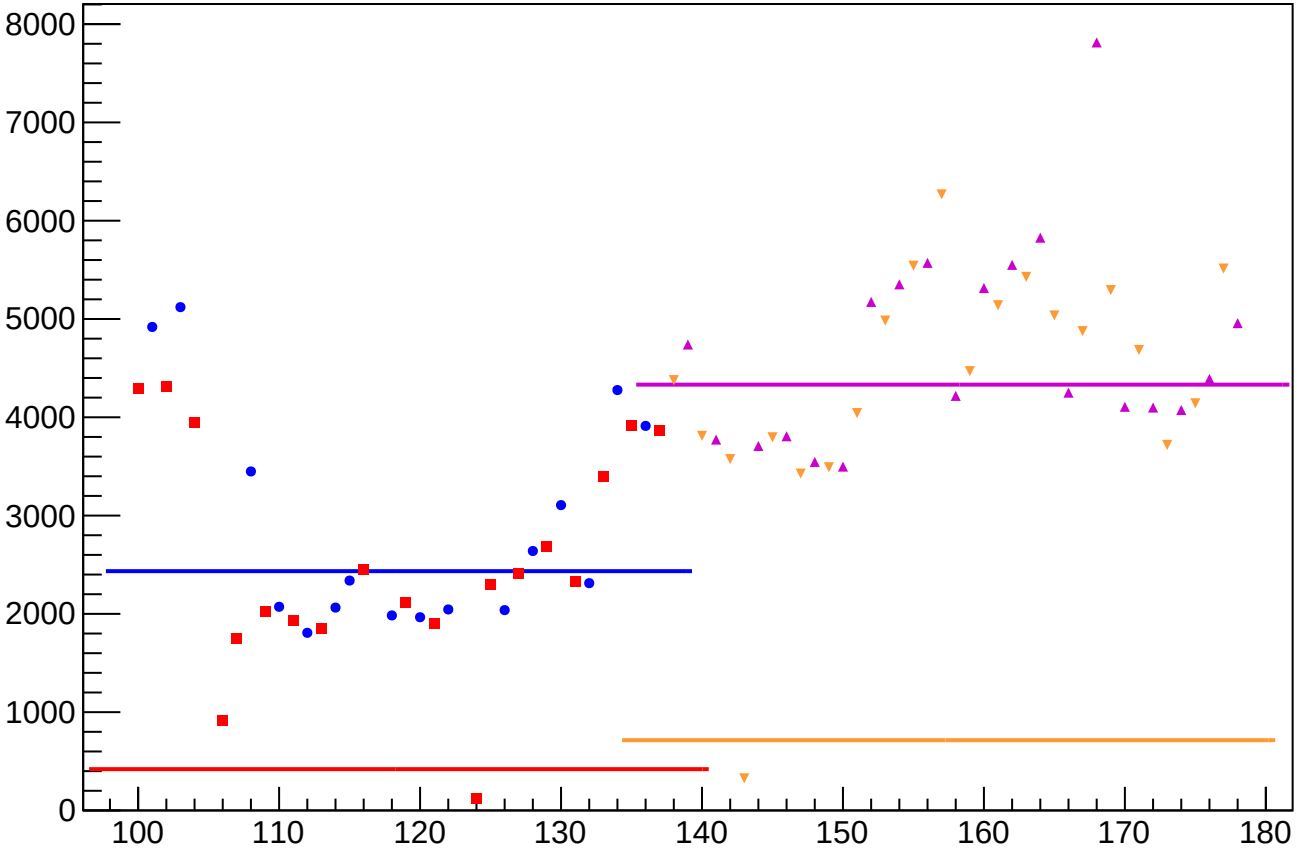
Left In: 620.330+/-1093.932 χ^2/NDF:10.7/19

+ sign 158.137+/-325.548 χ^2/NDF: 46.4/36

All: 161.952+/-224.654 χ^2/NDF: 78.1/75

- sign 165.421+/-310.409 χ^2/NDF: 31.7/38

asym_atl_dd_reg_correction_rms vs Slug



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 715.120+/-0.245 χ^2/NDF:24374860.3/20

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

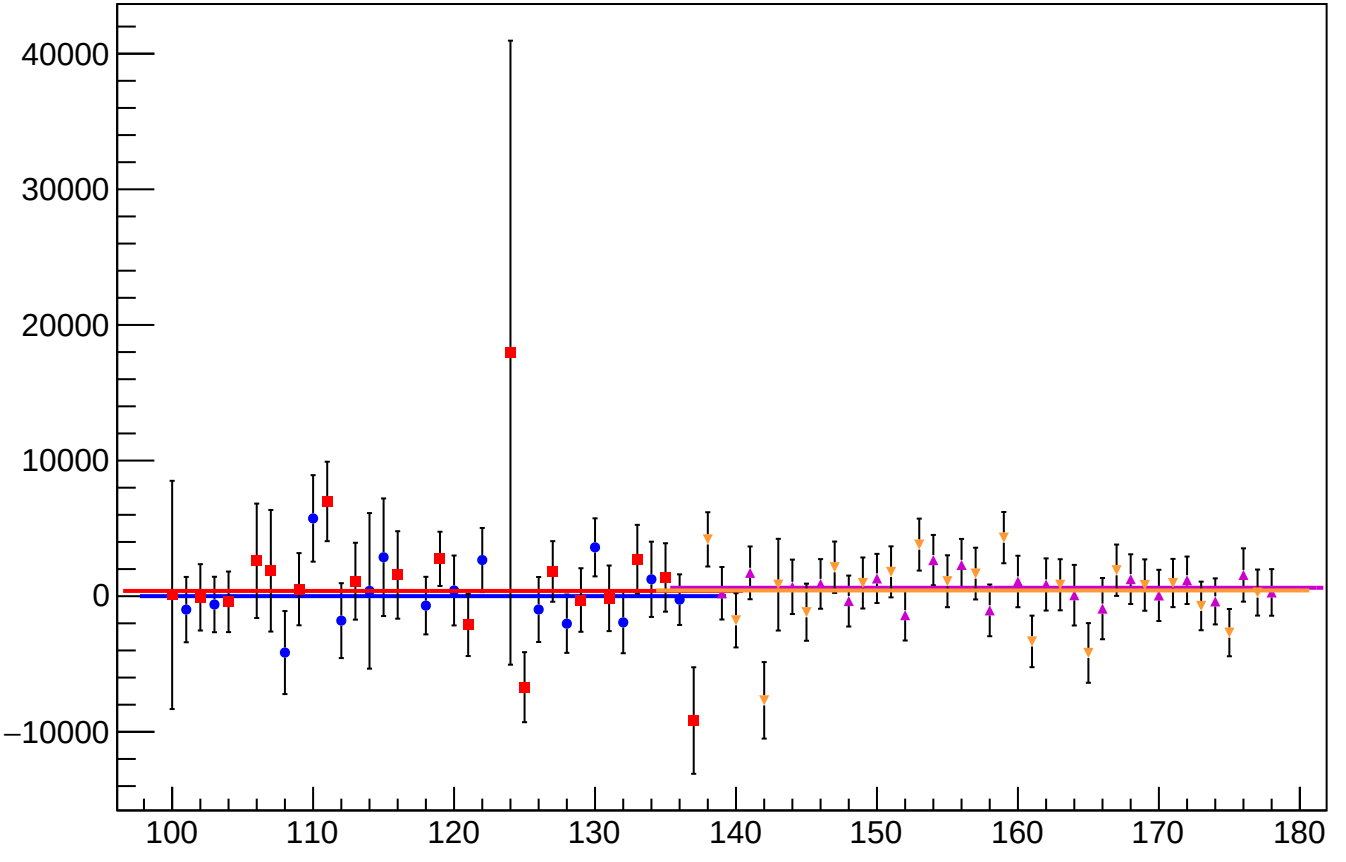
Left In: 4332.165+/-0.774 χ^2/NDF:1107751.3/19

+ sign 912.415+/-0.230 χ^2/NDF: 31499933.6/36

All: 819.625+/-0.159 χ^2/NDF: 67497806.6/75

- sign 735.265+/-0.219 χ^2/NDF: 35687673.4/38

cor_asym_atl_dd_mean vs Slug



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 423.973+/-425.986 χ^2/NDF:35.7/20

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

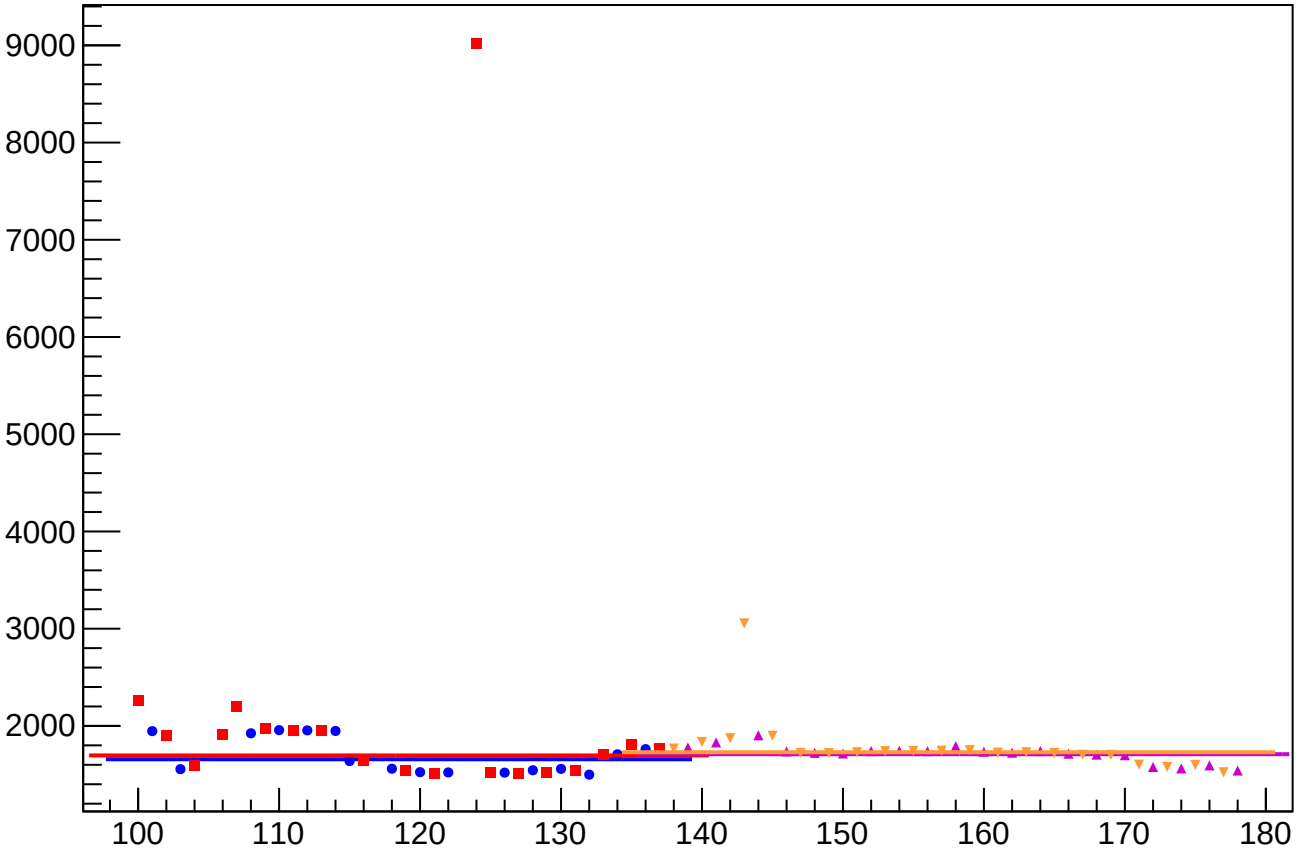
Left In: 621.706+/-423.281 χ^2/NDF:6.2/19

\+ sign 289.361+/-351.083 χ^2/NDF: 48.4/36

All: 419.312+/-248.570 χ^2/NDF: 79.1/75

\- sign 549.928+/-351.980 χ^2/NDF: 30.4/38

cor_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1729.310+/-0.301 χ^2/NDF:398658.4/20

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

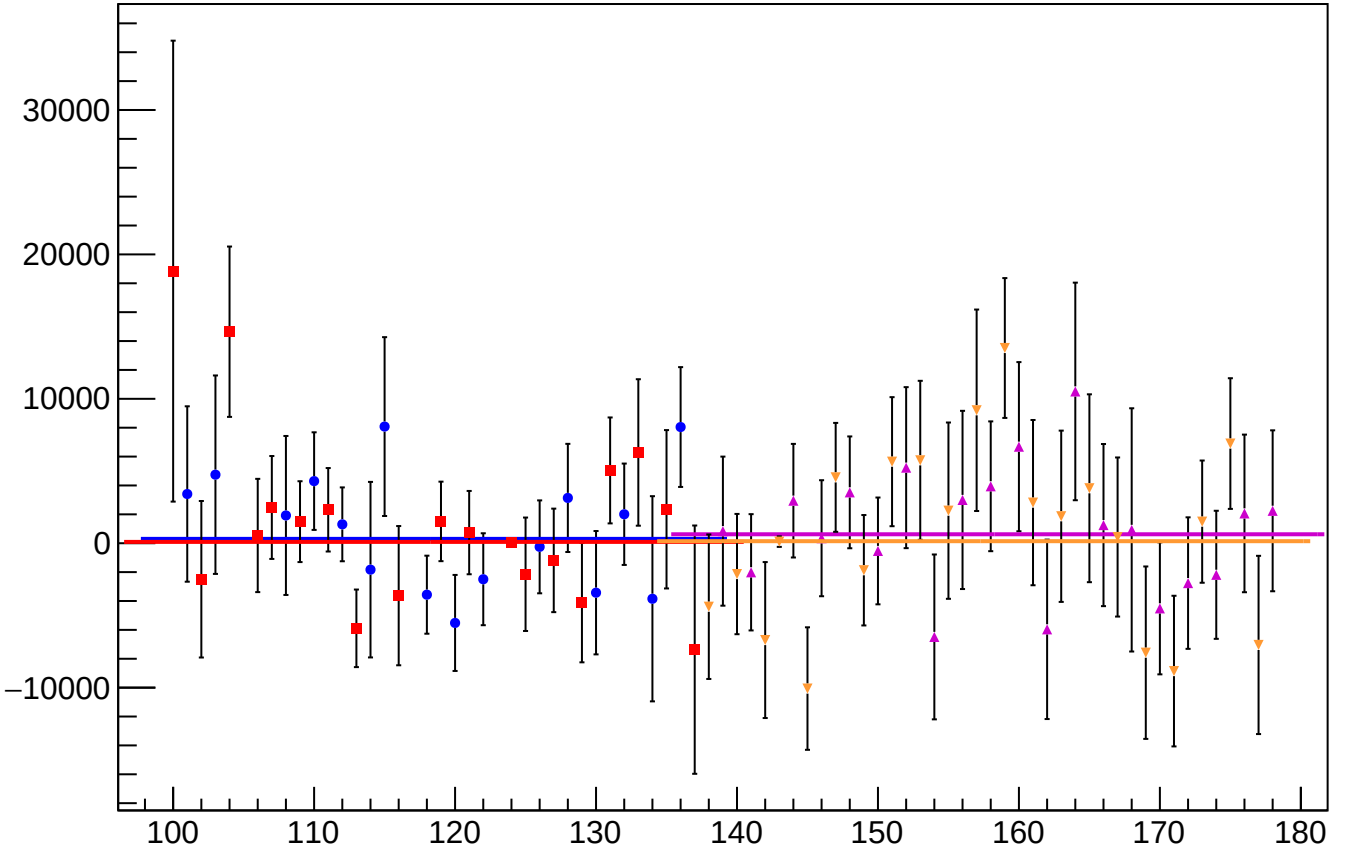
Left In: 1708.851+/-0.299 χ^2/NDF:88333.8/19

+ sign 1706.155+/-0.248 χ^2/NDF: 561064.6/36

All: 1705.578+/-0.176 χ^2/NDF: 1037916.9/75

- sign 1705.001+/-0.249 χ^2/NDF: 476841.6/38

asym_atl_dd_cor_correction_mean vs Slug



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 141.565+/-345.978 χ^2/NDF:31.1/20

Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

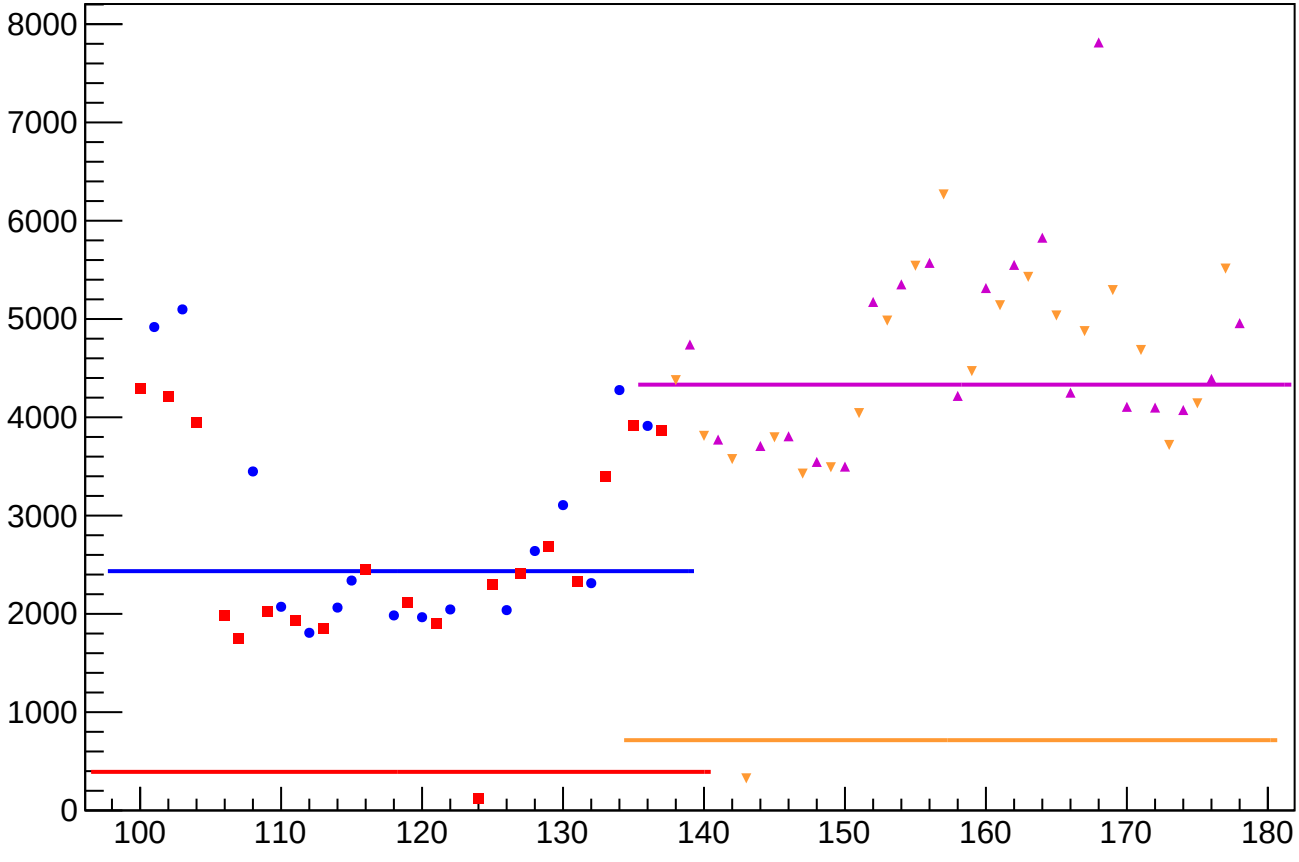
Left In: 620.353+/-1093.931 χ^2/NDF:10.7/19

+ sign 159.957+/-325.523 χ^2/NDF: 46.5/36

All: 145.454+/-221.935 χ^2/NDF: 78.0/75

- sign 132.859+/-303.372 χ^2/NDF: 31.5/38

asym_atl_dd_cor_correction_rms vs Slug



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 715.039+/-0.245 χ^2/NDF:24375552.2/20

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

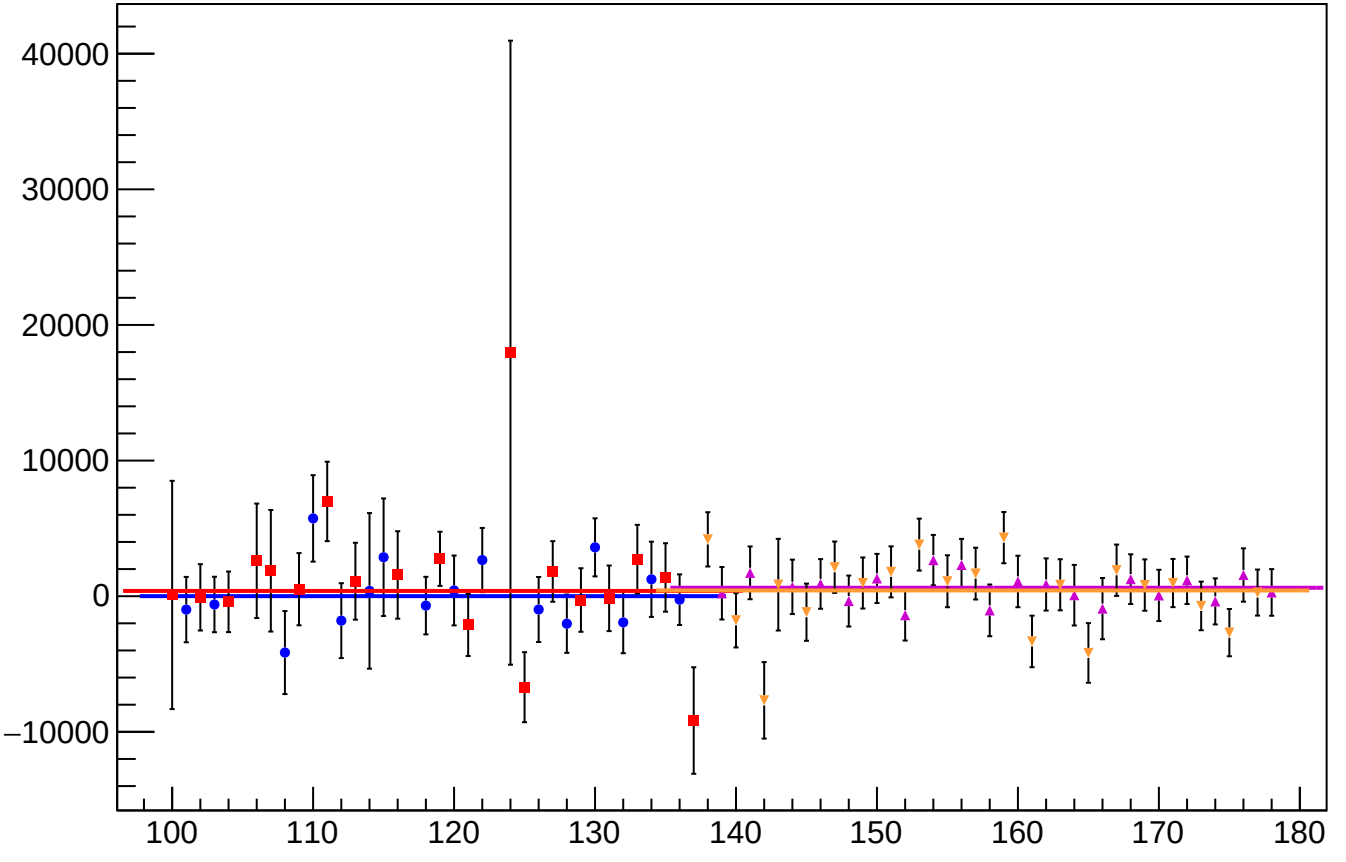
Left In: 4332.160+/-0.774 χ^2/NDF:1107742.6/19

+ sign 912.379+/-0.230 χ^2/NDF: 31501889.6/36

All: 796.388+/-0.157 χ^2/NDF: 68435002.2/75

- sign 695.645+/-0.215 χ^2/NDF: 36458627.7/38

eigen_cor_asym_atl_dd_mean vs Slug



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 423.973+/-425.986 χ^2/NDF:35.7/20

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

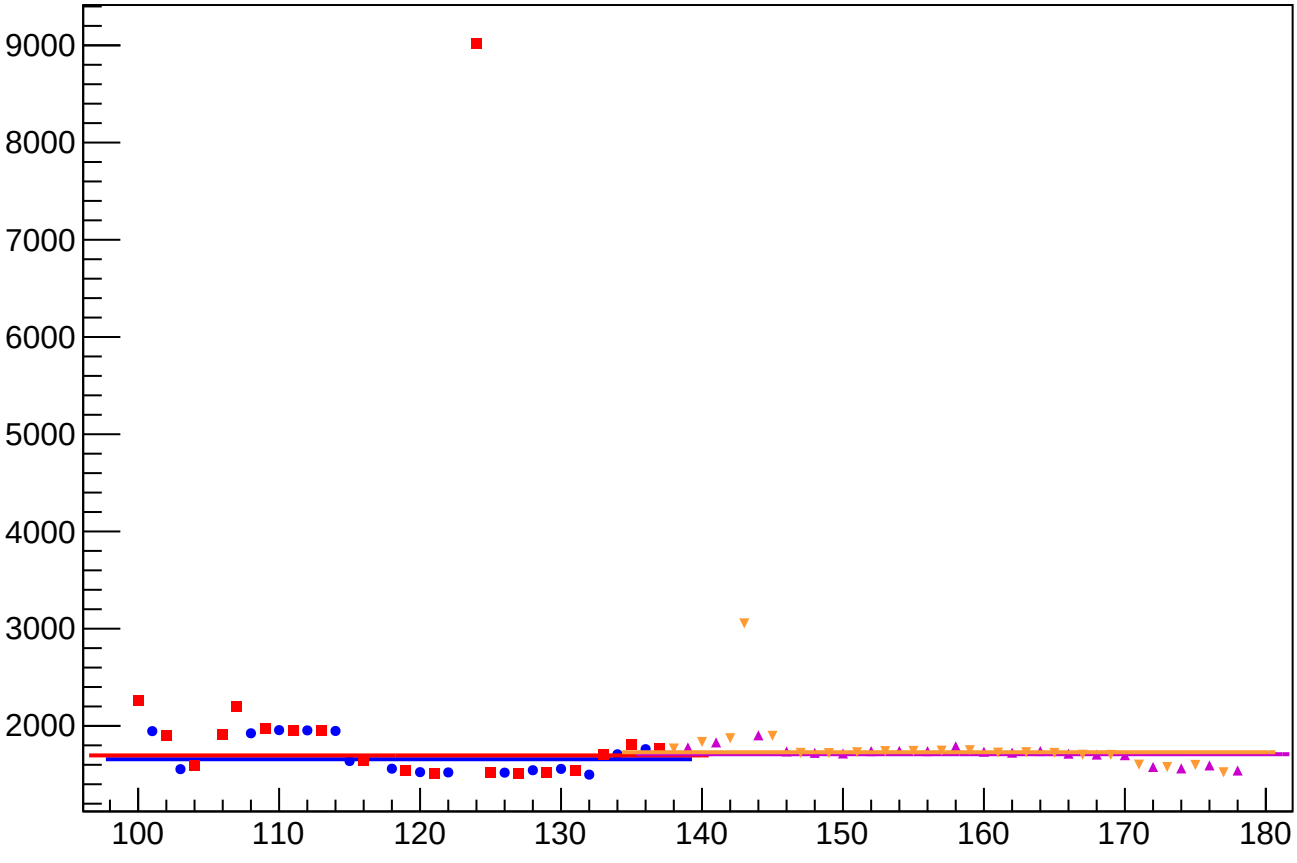
Left In: 621.706+/-423.281 χ^2/NDF:6.2/19

+ sign 289.361+/-351.083 χ^2/NDF: 48.4/36

All: 419.312+/-248.570 χ^2/NDF: 79.1/75

- sign 549.928+/-351.980 χ^2/NDF: 30.4/38

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1729.310+/-0.301 χ^2/NDF:398658.4/20

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

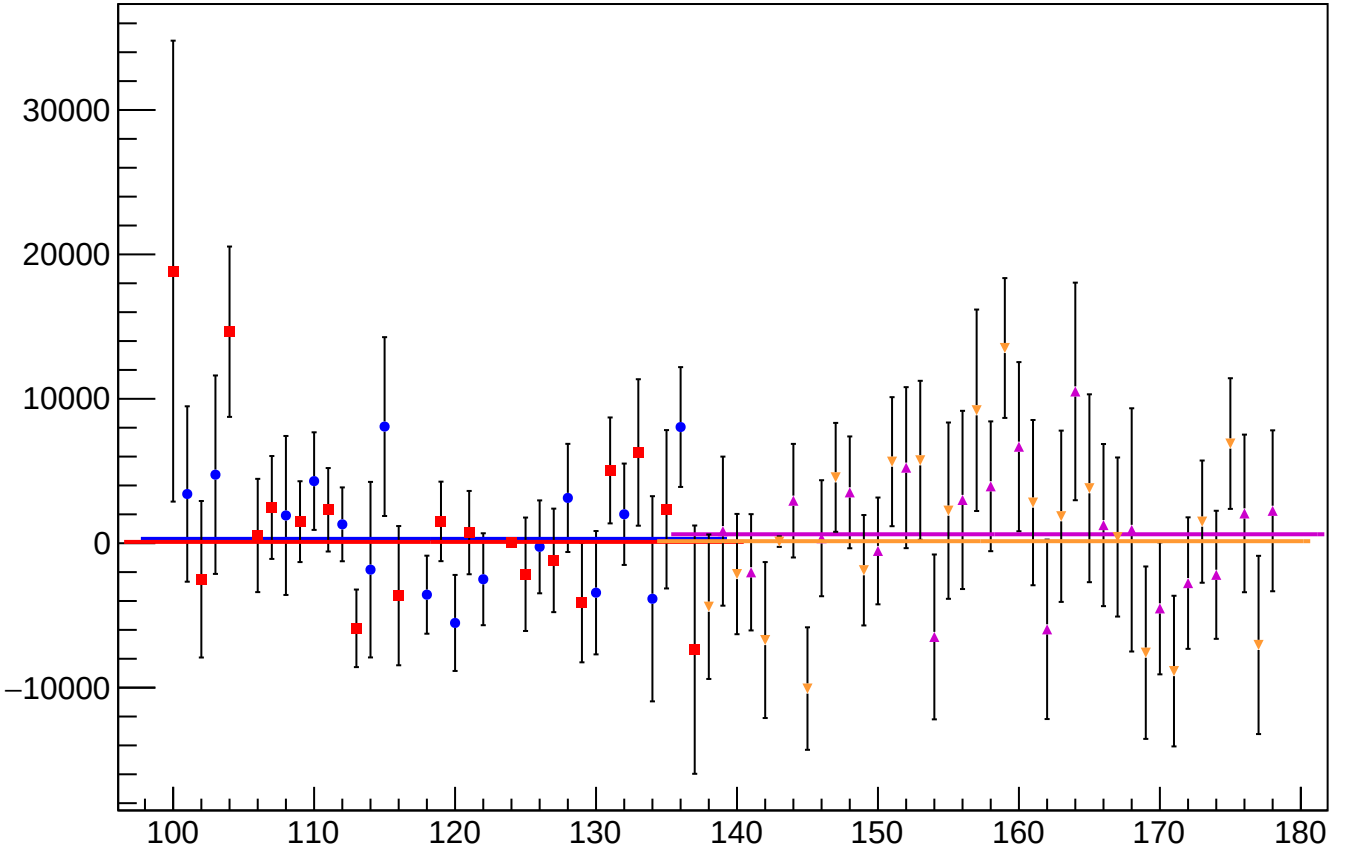
Left In: 1708.851+/-0.299 χ^2/NDF:88333.8/19

+ sign 1706.155+/-0.248 χ^2/NDF: 561064.6/36

All: 1705.578+/-0.176 χ^2/NDF: 1037916.9/75

- sign 1705.001+/-0.249 χ^2/NDF: 476841.6/38

asym_atl_dd_eigen_cor_correction_mean vs Slug



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 141.565+/-345.978 χ^2/NDF:31.1/20

Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

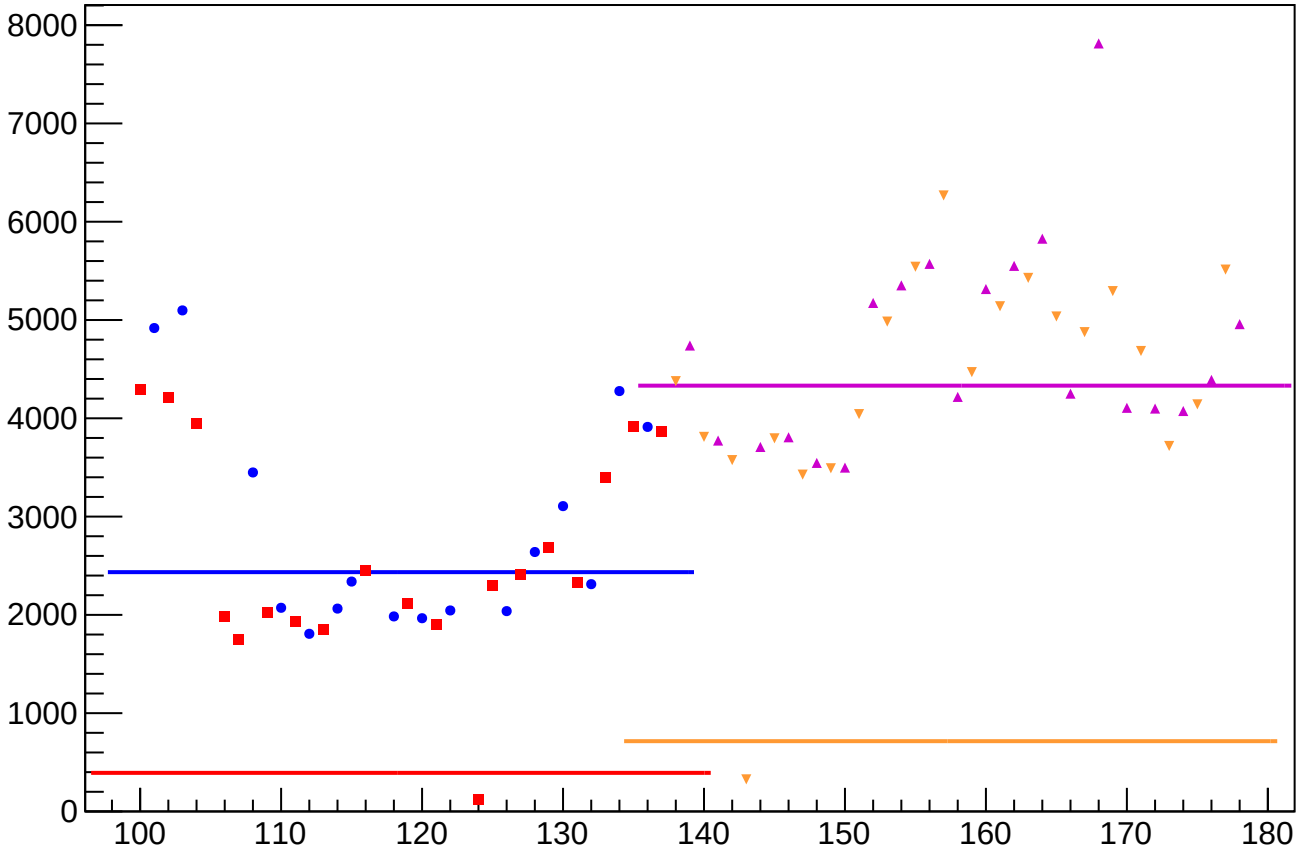
Left In: 620.353+/-1093.931 χ^2/NDF:10.7/19

+ sign 159.957+/-325.523 χ^2/NDF: 46.5/36

All: 145.454+/-221.935 χ^2/NDF: 78.0/75

- sign 132.859+/-303.372 χ^2/NDF: 31.5/38

asym_atl_dd_eigen_cor_correction_rms vs Slug



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 715.039+/-0.245 χ^2/NDF:24375552.2/20

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

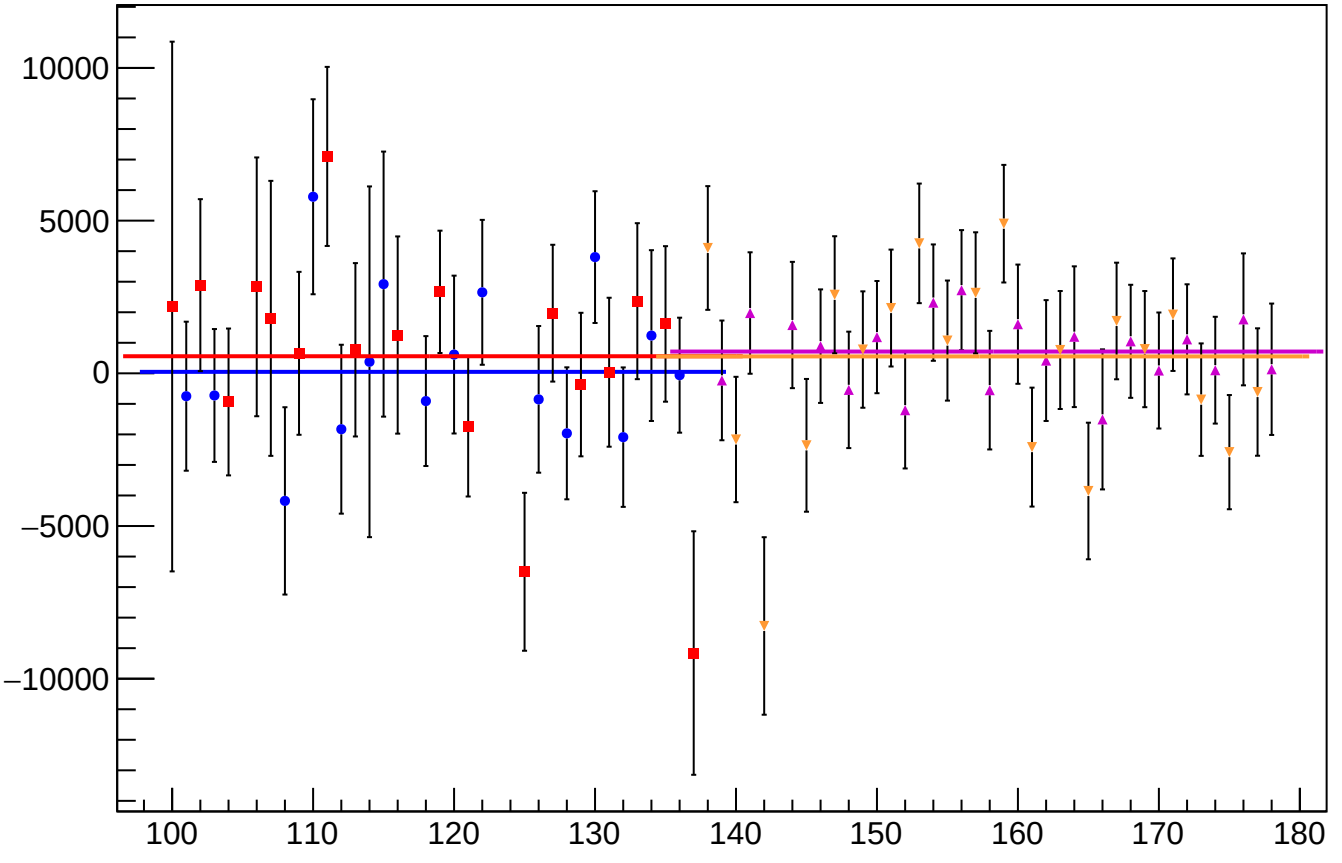
Left In: 4332.160+/-0.774 χ^2/NDF:1107742.6/19

+ sign 912.379+/-0.230 χ^2/NDF: 31501889.6/36

All: 796.388+/-0.157 χ^2/NDF: 68435002.2/75

- sign 695.645+/-0.215 χ^2/NDF: 36458627.7/38

dit_asym_atl_dd_mean vs Slug



Right In: 48.331+/-626.151 χ^2/NDF: 12.8/15

Left Out: 553.885+/-444.456 χ^2/NDF:38.4/19

Right Out: 559.598+/-645.291 χ^2/NDF: 23.3/17

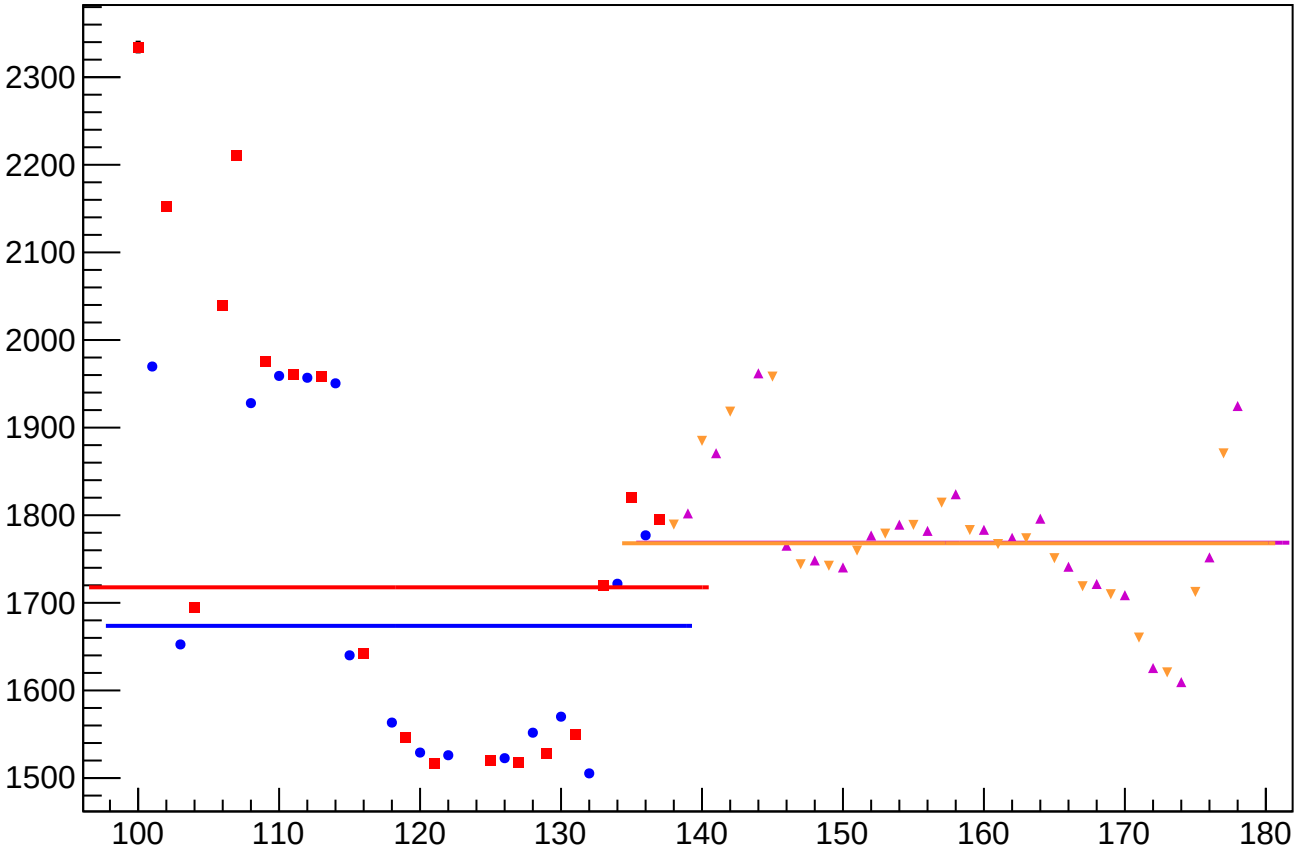
Left In: 713.189+/-438.024 χ^2/NDF:6.3/19

+ sign 384.504+/-362.432 χ^2/NDF: 51.6/35

All: 524.630+/-256.272 χ^2/NDF: 81.6/73

- sign 664.742+/-362.416 χ^2/NDF: 29.7/37

dit_asym_atl_dd_rms vs Slug



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1768.004+/-0.314 χ^2/NDF:59147.9/19

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

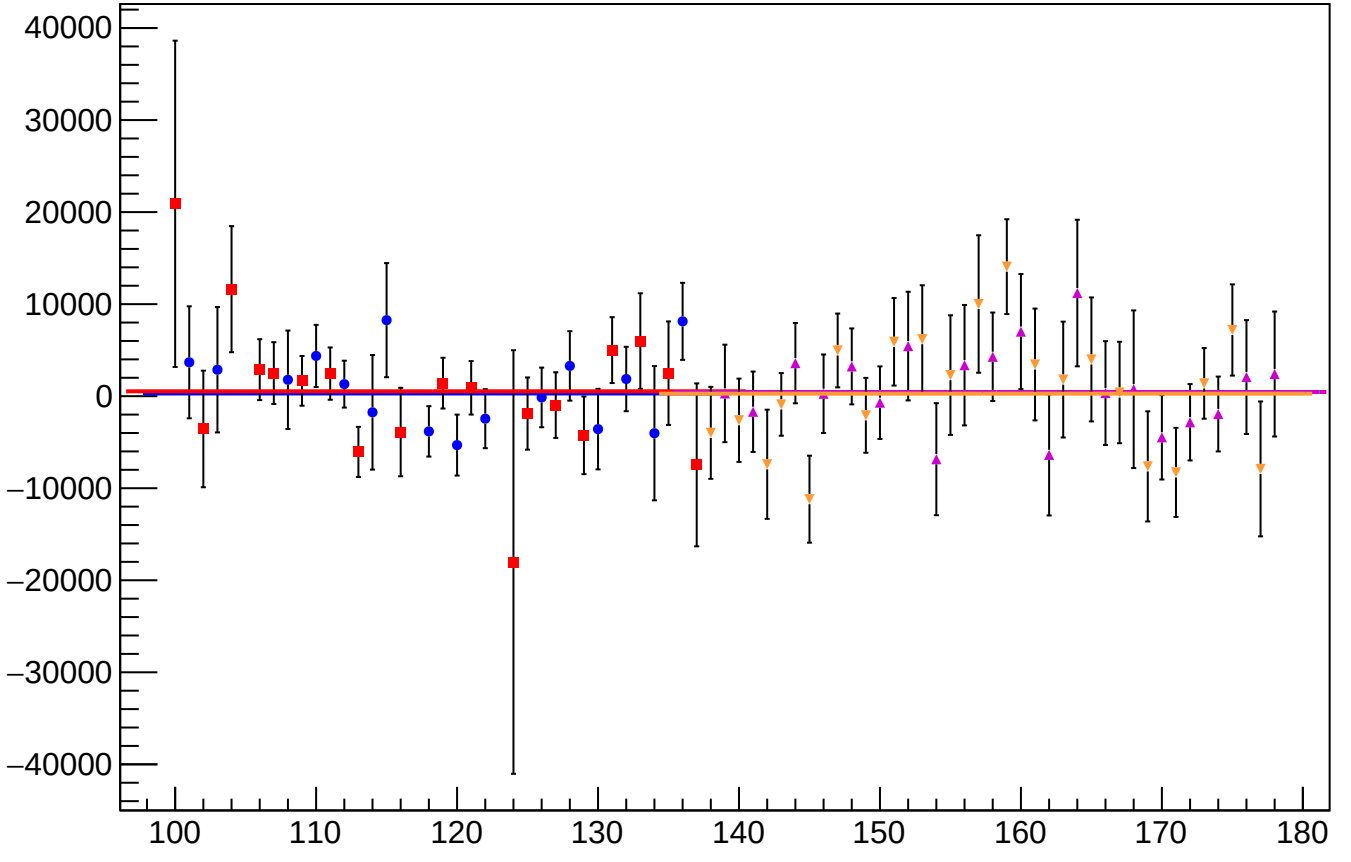
Left In: 1768.639+/-0.310 χ^2/NDF:69817.0/19

+ sign 1736.418+/-0.256 χ^2/NDF: 230169.3/35

All: 1744.477+/-0.181 χ^2/NDF: 538159.0/73

- sign 1752.524+/-0.256 χ^2/NDF: 306013.2/37

asym_atl_dd_dit_correction_mean vs Slug



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: 274.698+/-1098.333 χ^2/NDF:30.7/20

Right Out: 531.007+/-883.969 χ^2/NDF: 18.8/18

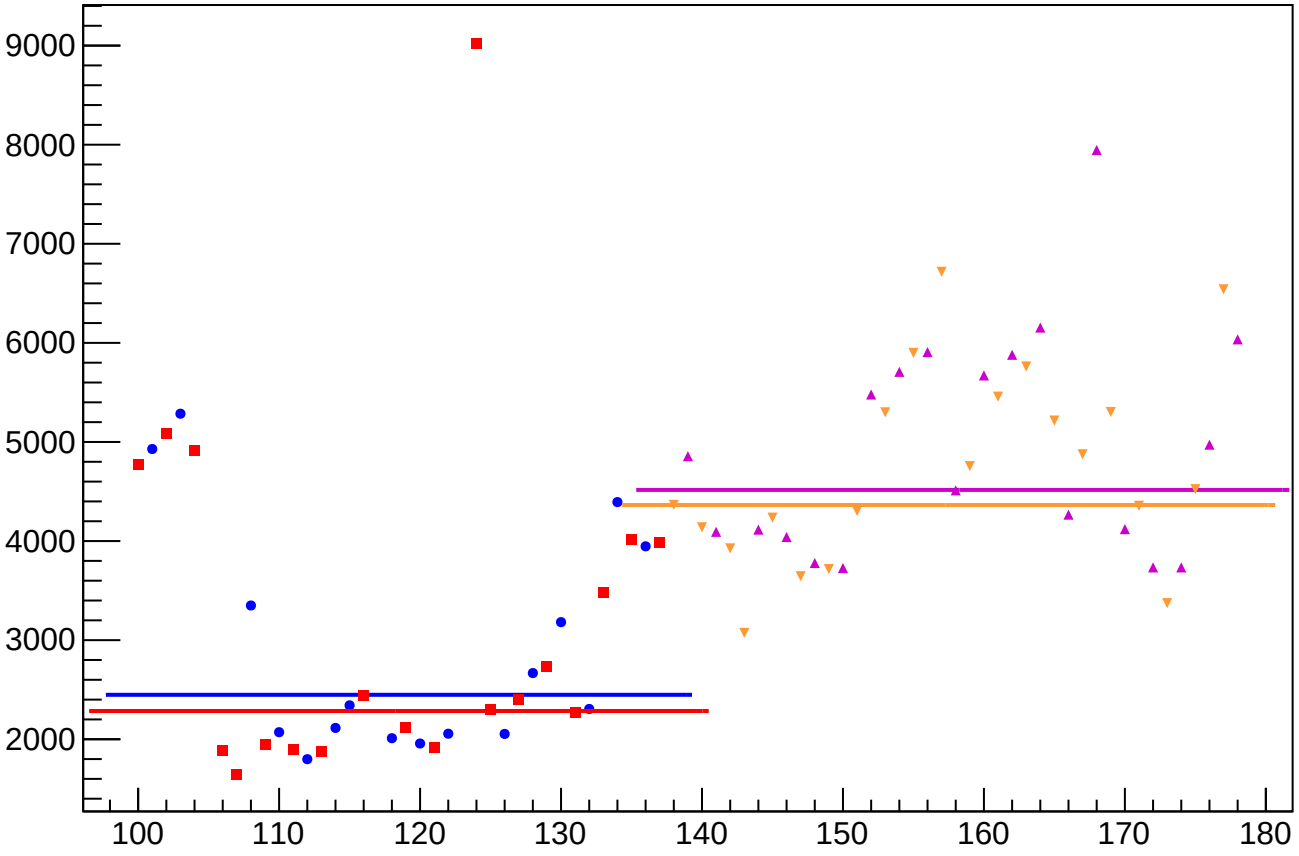
Left In: 454.964+/-1143.643 χ^2/NDF:10.6/19

\+ sign 287.015+/-724.803 χ^2/NDF: 46.0/36

All: 398.635+/-503.291 χ^2/NDF: 75.3/75

\- sign 502.567+/-699.399 χ^2/NDF: 29.3/38

asym_atl_dd_dit_correction_rms vs Slug



Right In: 2448.598+/-0.682 χ^2/NDF: 1517585.7/15

Left Out: 4363.732+/-0.777 χ^2/NDF:1366815.7/20

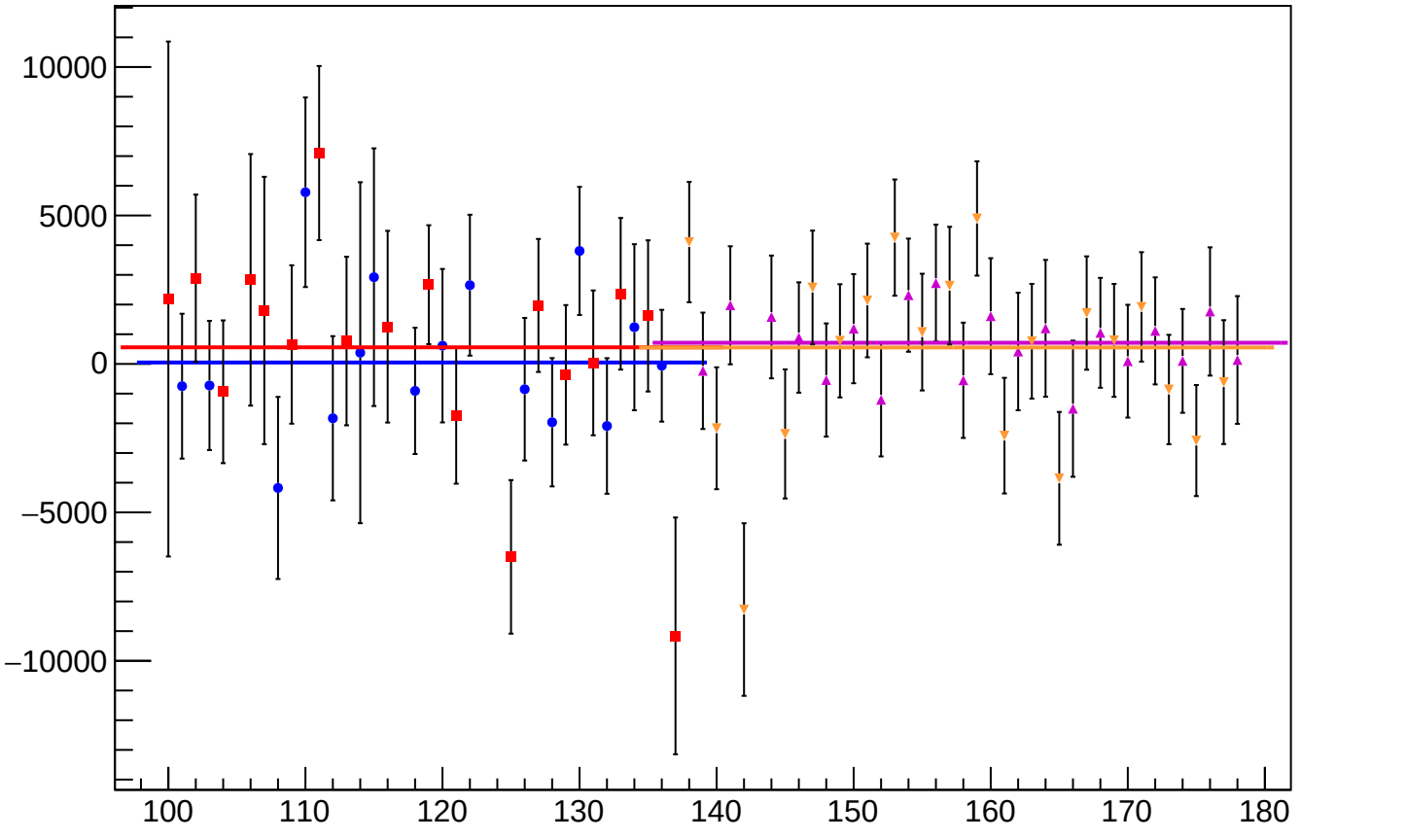
Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

Left In: 4516.192+/-0.809 χ^2/NDF:1267452.0/19

+ sign 3282.608+/-0.513 χ^2/NDF: 6317105.0/36

All: 3198.149+/-0.356 χ^2/NDF: 13950896.8/7

- sign 3119.507+/-0.495 χ^2/NDF: 7581348.4/38



Right In: 48.329+/-626.151 χ^2/NDF: 12.8/15

Left Out: 553.885+/-444.456 χ^2/NDF:38.4/19

Right Out: 559.600+/-645.291 χ^2/NDF: 23.3/17

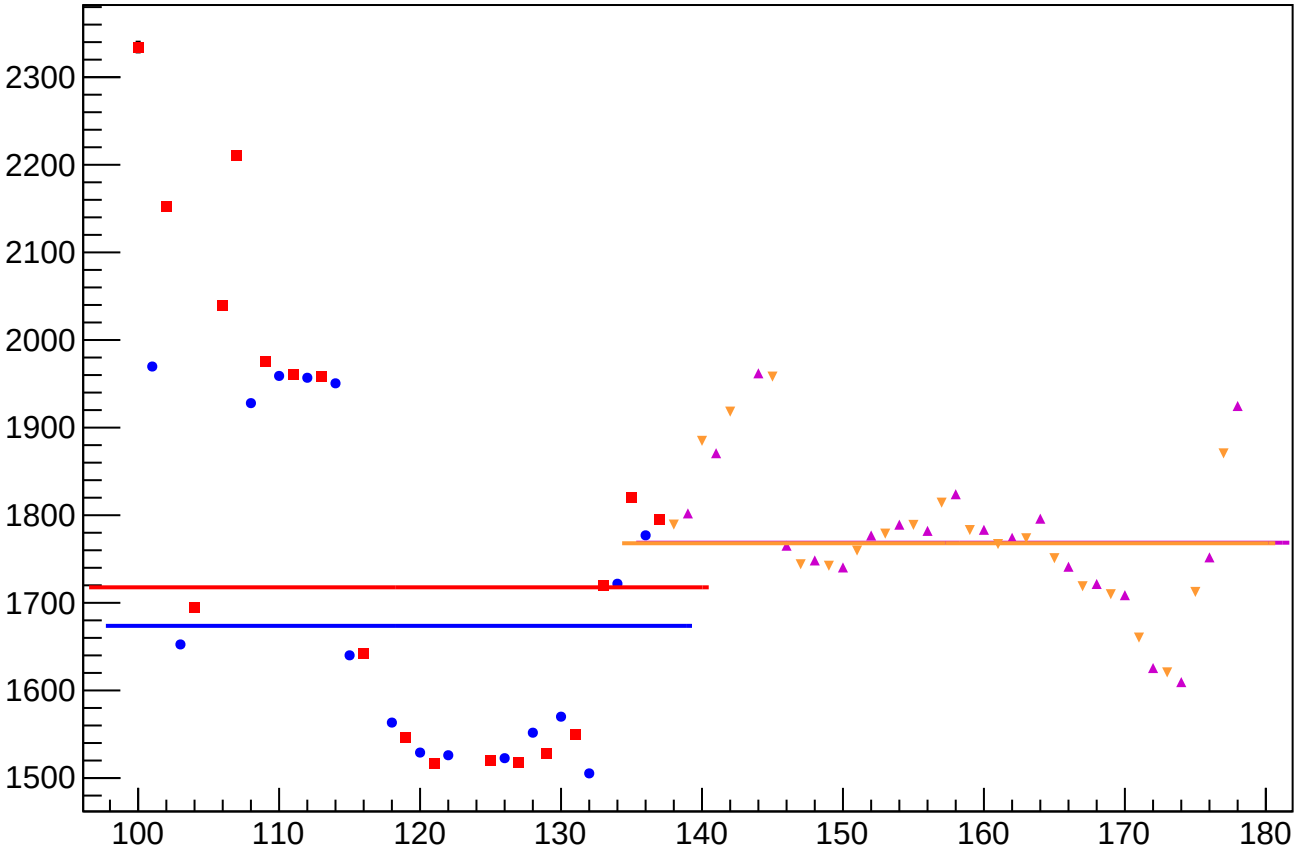
Left In: 713.189+/-438.024 χ^2/NDF:6.3/19

+ sign 384.504+/-362.432 χ^2/NDF: 51.6/35

All: 524.630+/-256.272 χ^2/NDF: 81.6/73

- sign 664.743+/-362.416 χ^2/NDF: 29.7/37

eigen_dit_asym_atl_dd_rms vs Slug



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1768.005+/-0.314 χ^2/NDF:59150.5/19

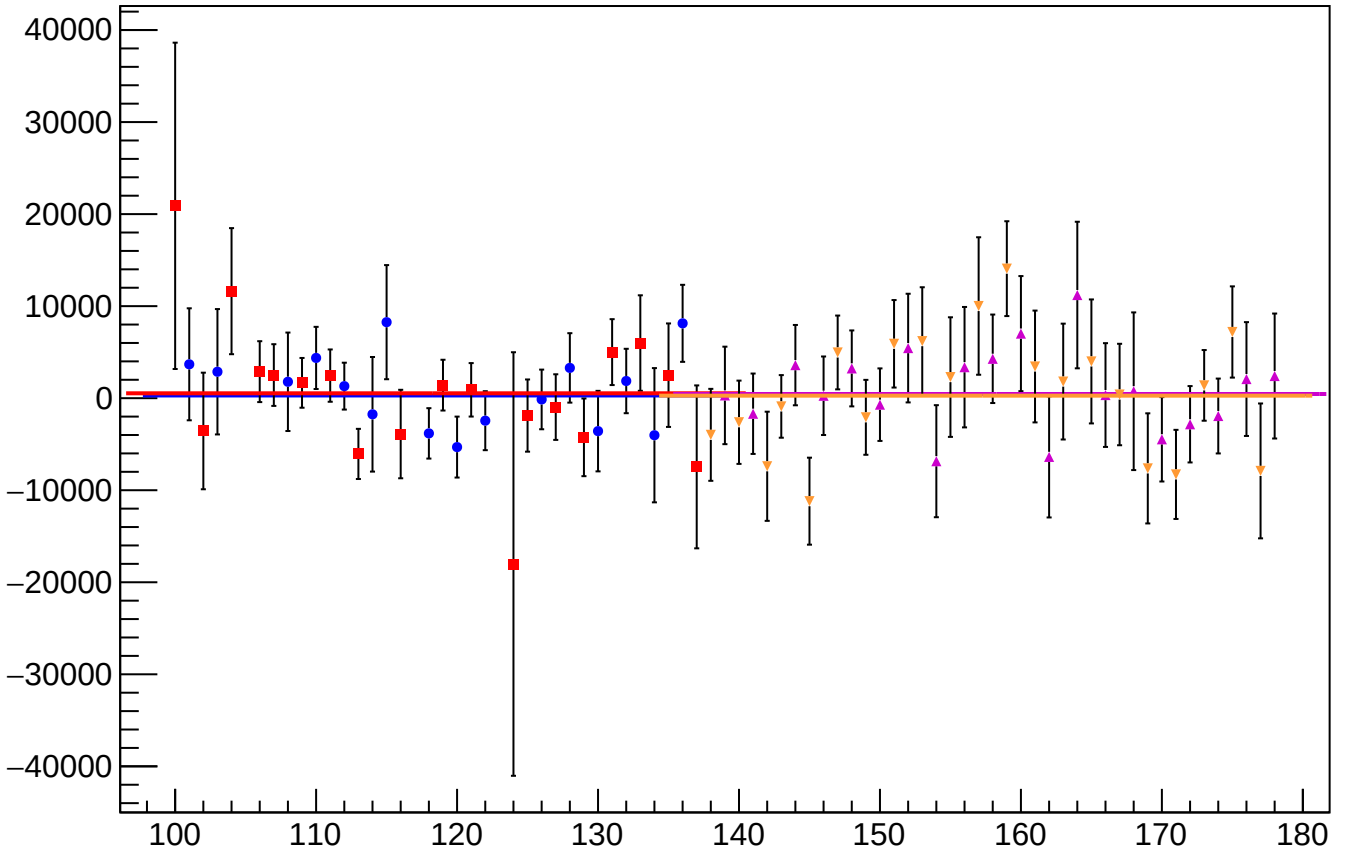
Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

Left In: 1768.639+/-0.310 χ^2/NDF:69819.6/19

+ sign 1736.418+/-0.256 χ^2/NDF: 230172.5/35

All: 1744.478+/-0.181 χ^2/NDF: 538164.4/73

- sign 1752.525+/-0.256 χ^2/NDF: 306015.5/37



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: 274.702+/-1098.335 χ^2/NDF:30.7/20

Right Out: 531.009+/-883.966 χ^2/NDF: 18.8/18

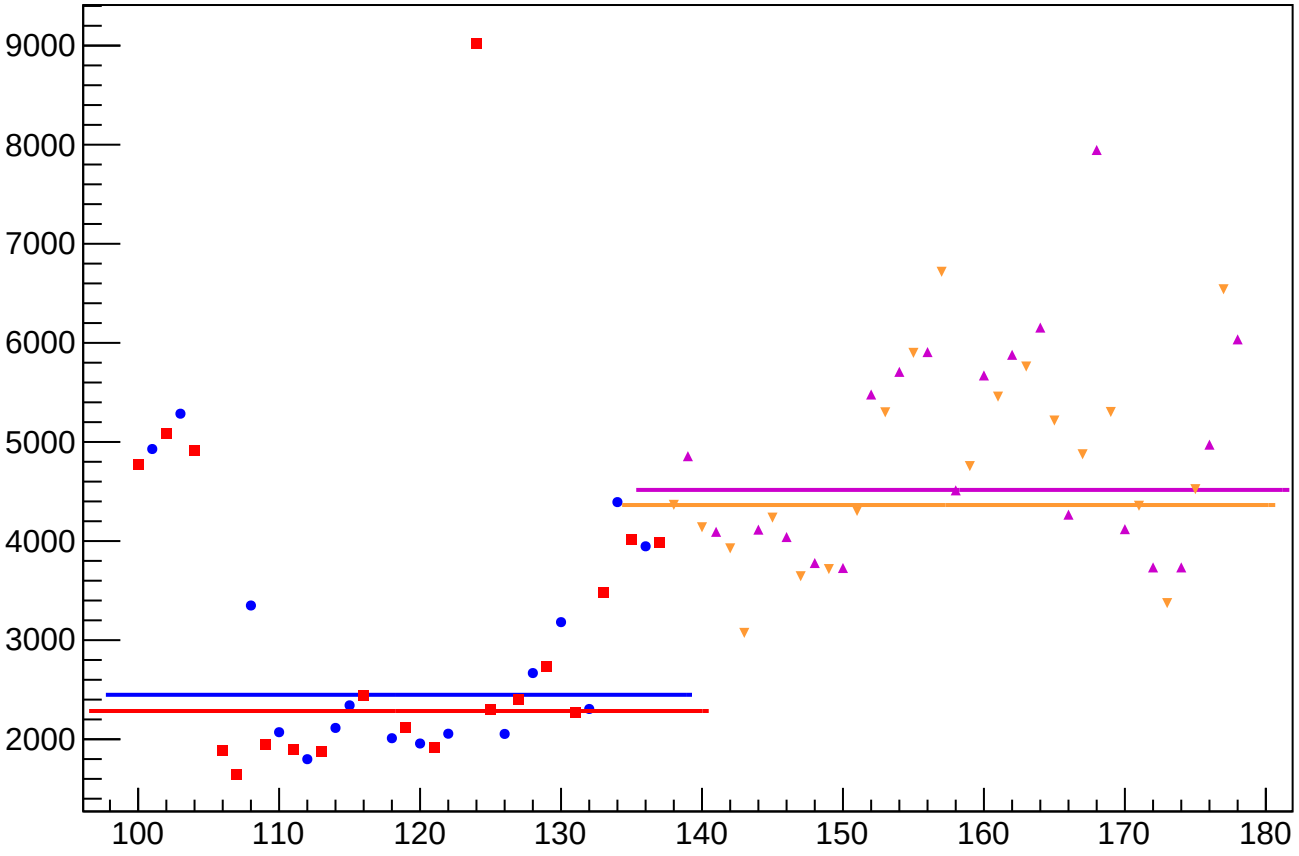
Left In: 454.965+/-1143.645 χ^2/NDF:10.6/19

\+ sign 287.013+/-724.802 χ^2/NDF: 46.0/36

All: 398.635+/-503.290 χ^2/NDF: 75.3/75

\- sign 502.569+/-699.398 χ^2/NDF: 29.3/38

asym_atl_dd_eigen_dit_correction_rms vs Slug



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 4363.738+/-0.777 χ^2/NDF:1366817.8/20

Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

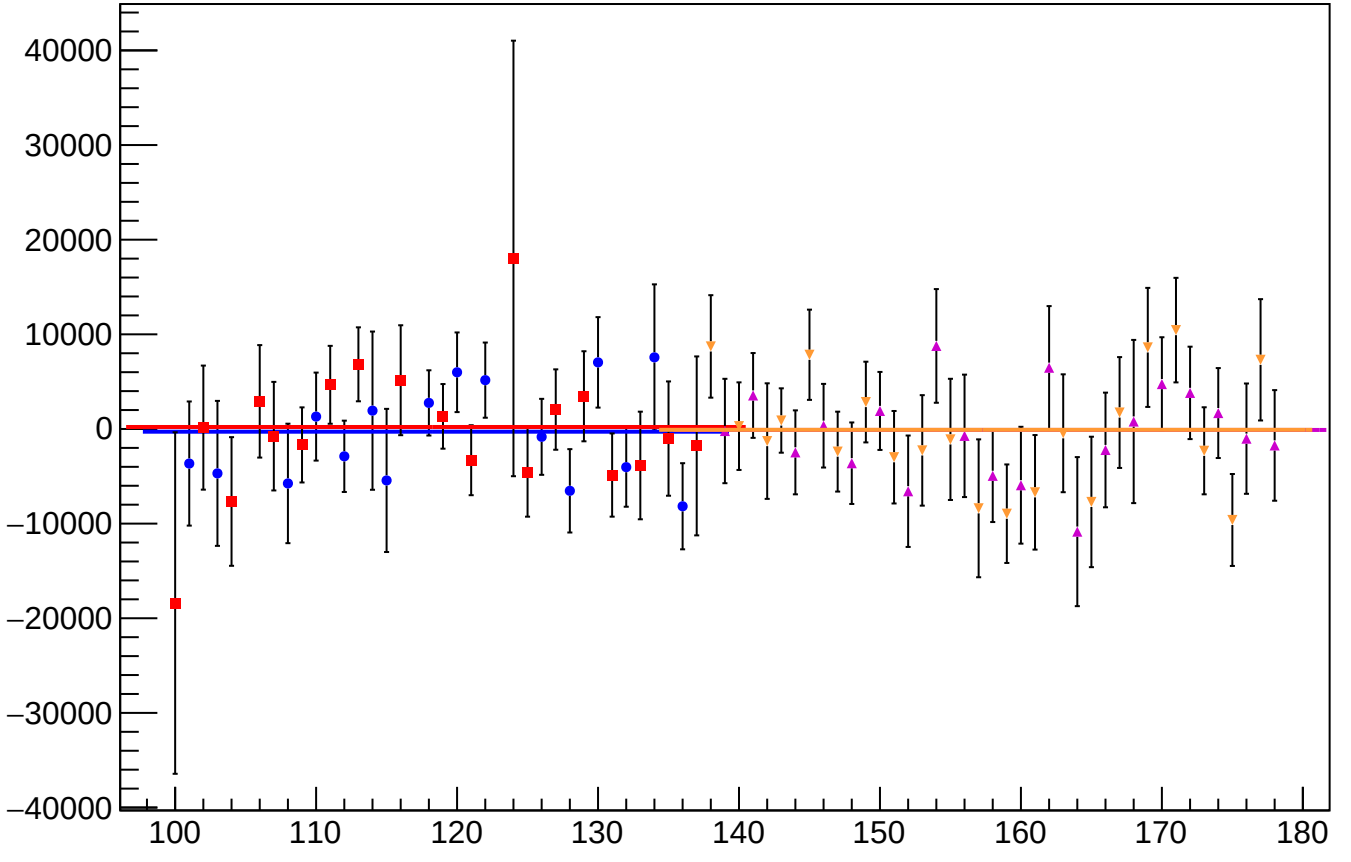
Left In: 4516.199+/-0.809 χ^2/NDF:1267452.6/19

+ sign 3282.600+/-0.513 χ^2/NDF: 6317188.4/36

All: 3198.141+/-0.356 χ^2/NDF: 13951059.3/7

- sign 3119.499+/-0.495 χ^2/NDF: 7581427.5/38

asym_atl_dd_mean vs Slug



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: -90.056+/-1135.237 χ^2/NDF:24.5/20

Right Out: 209.473+/-1153.742 χ^2/NDF: 12.9/18

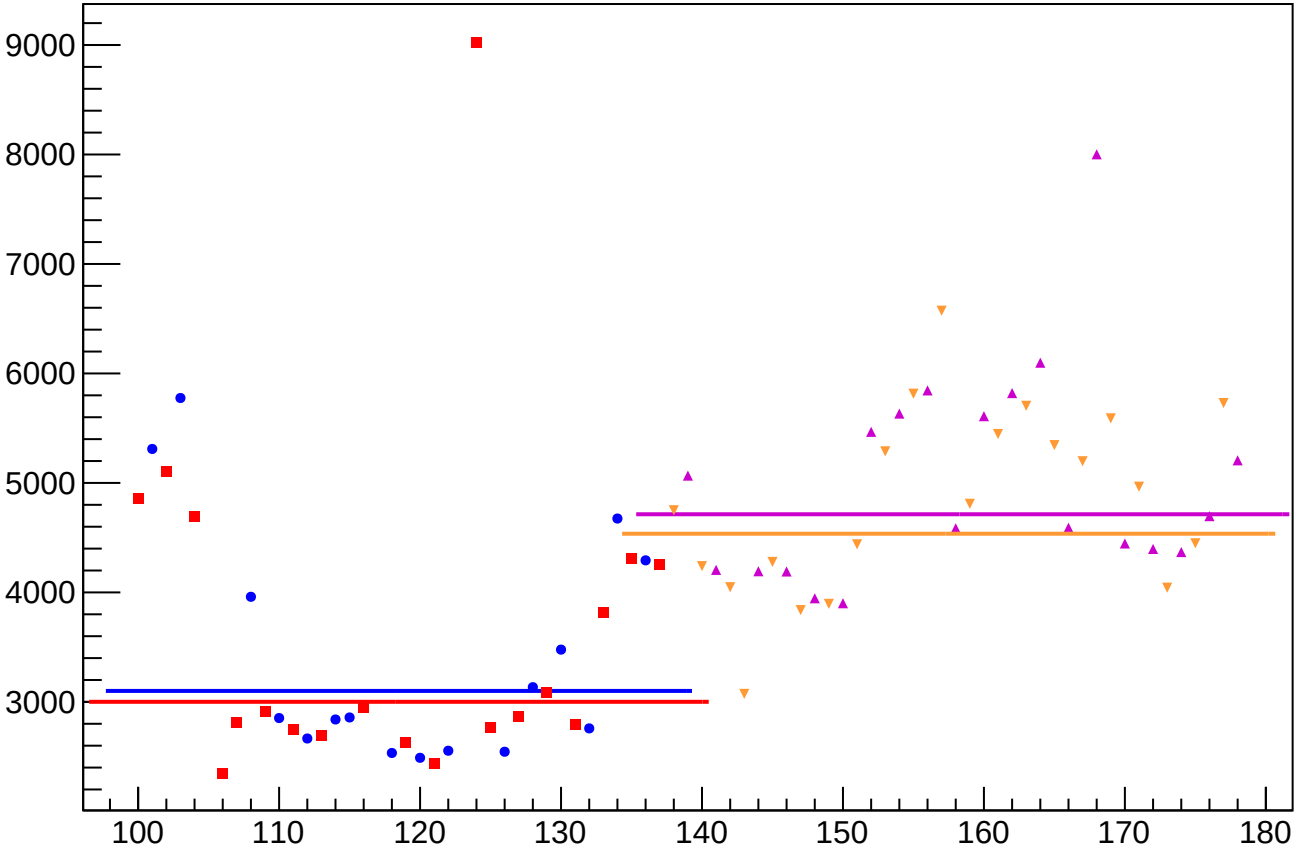
Left In: -103.472+/-1184.815 χ^2/NDF:12.0/19

+ sign -183.419+/-823.814 χ^2/NDF: 41.1/36

All: -63.535+/-583.502 χ^2/NDF: 66.0/75

- sign 57.158+/-826.586 χ^2/NDF: 24.9/38

asym_atl_dd_rms vs Slug



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 4536.040+/-0.803 χ^2/NDF:1105465.8/20

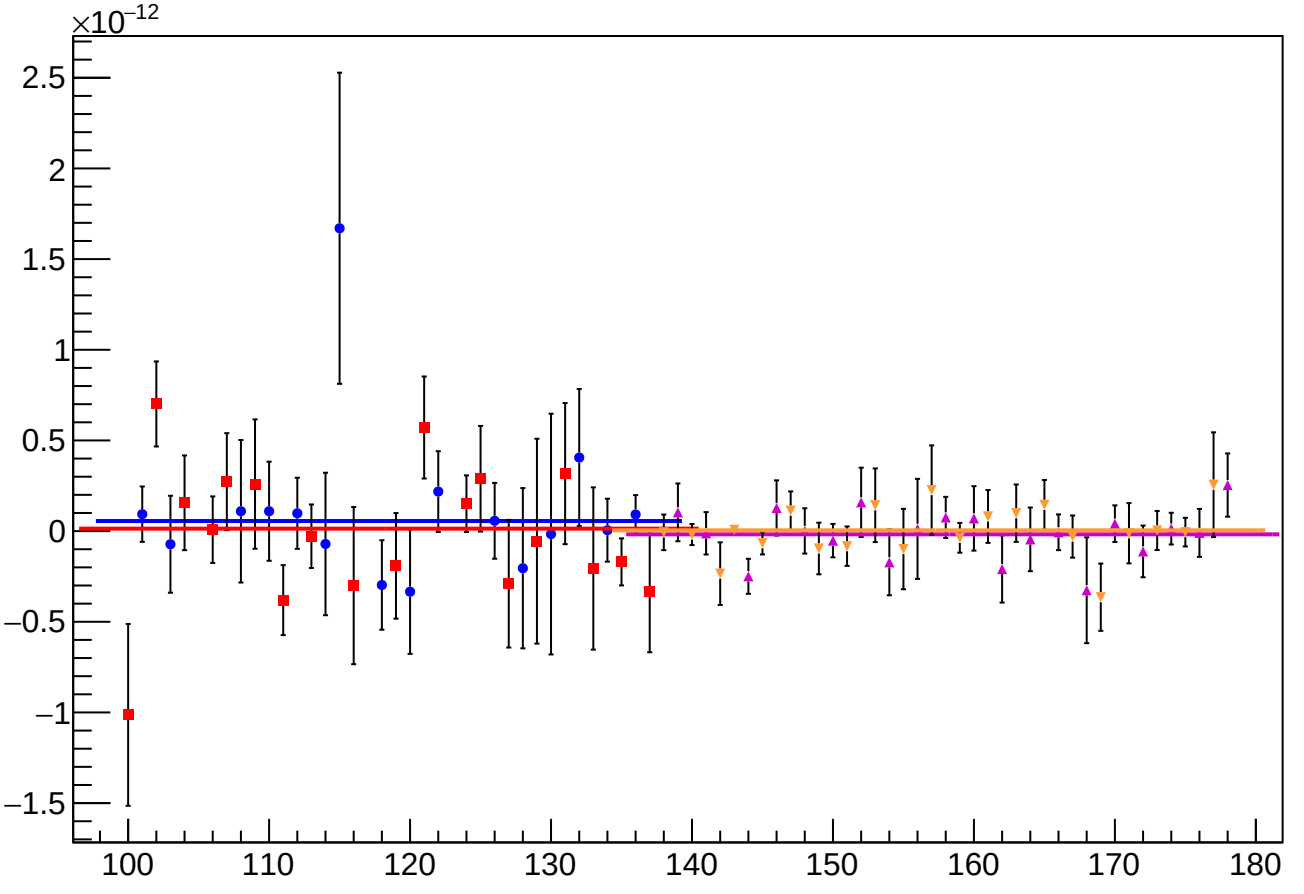
Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 4713.830+/-0.838 χ^2/NDF:865230.9/19

+ sign 3856.288+/-0.583 χ^2/NDF: 3583856.3/36

All: 3839.535+/-0.411 χ^2/NDF: 7431781.6/75

- sign 3822.904+/-0.580 χ^2/NDF: 3846277.2/38



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.9/20

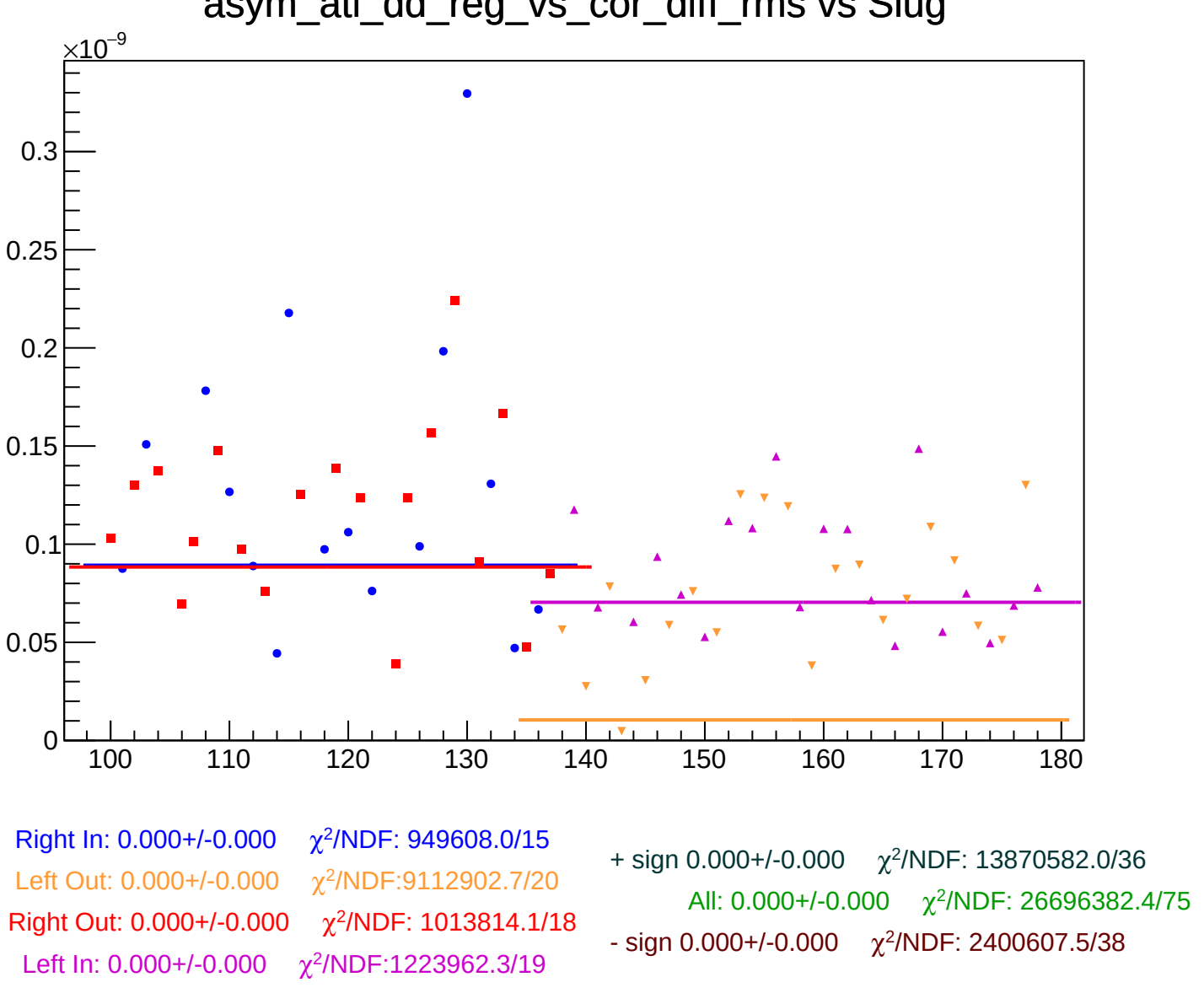
Right Out: 0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: -0.000+/-0.000 χ^2/NDF:15.4/19

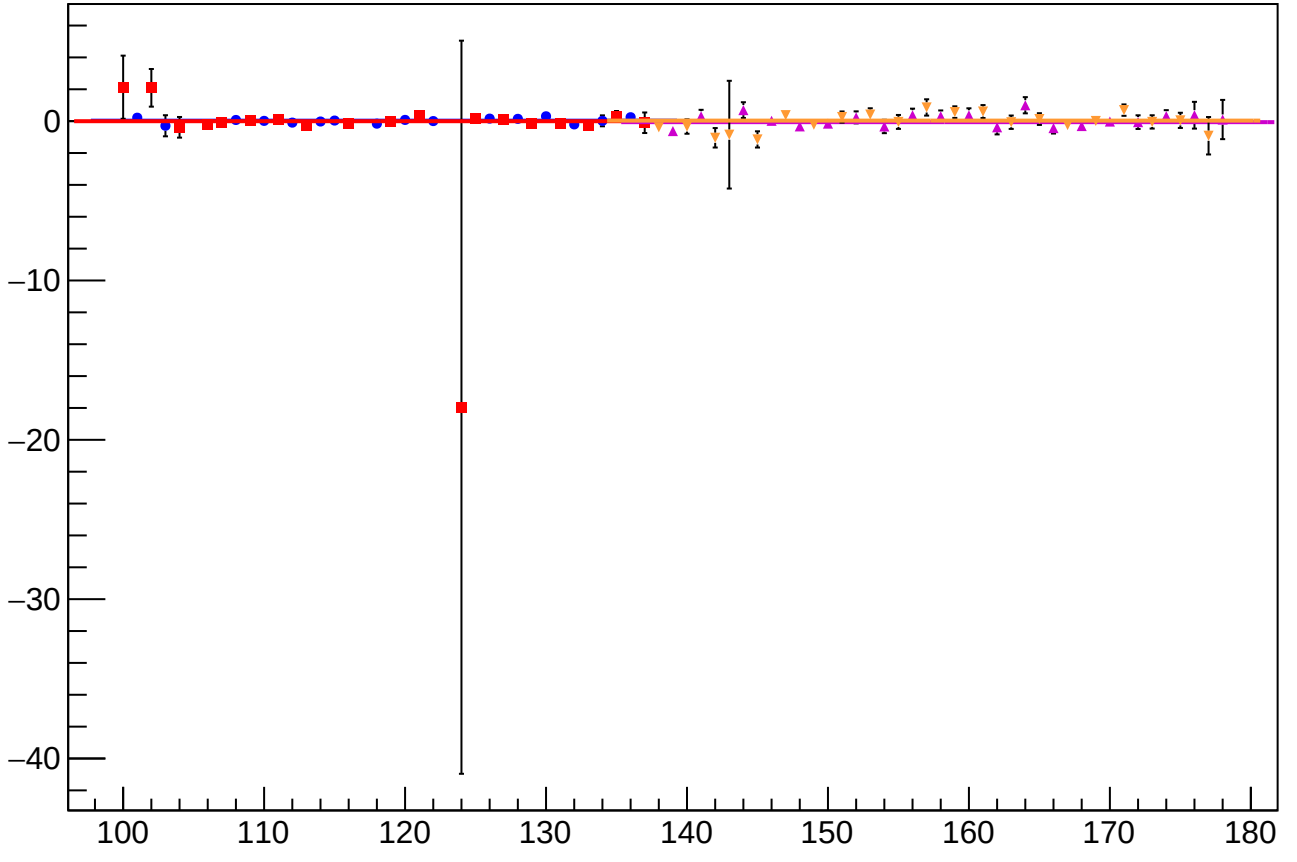
+ sign 0.000+/-0.000 χ^2/NDF: 24.1/36

All: 0.000+/-0.000 χ^2/NDF: 70.2/75

- sign -0.000+/-0.000 χ^2/NDF: 45.7/38


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
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 949608.0/15
Left Out: 0.000+/-0.000 χ²/NDF:9112902.7/20
Right Out: 0.000+/-0.000 χ²/NDF: 1013814.1/18
Left In: 0.000+/-0.000 χ²/NDF:1223962.3/19
+ sign 0.000+/-0.000 χ²/NDF: 13870582.0/36
All: 0.000+/-0.000 χ²/NDF: 26696382.4/75
- sign 0.000+/-0.000 χ²/NDF: 2400607.5/38

asym_atl_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.033+/-0.078 χ^2/NDF:27.0/20

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

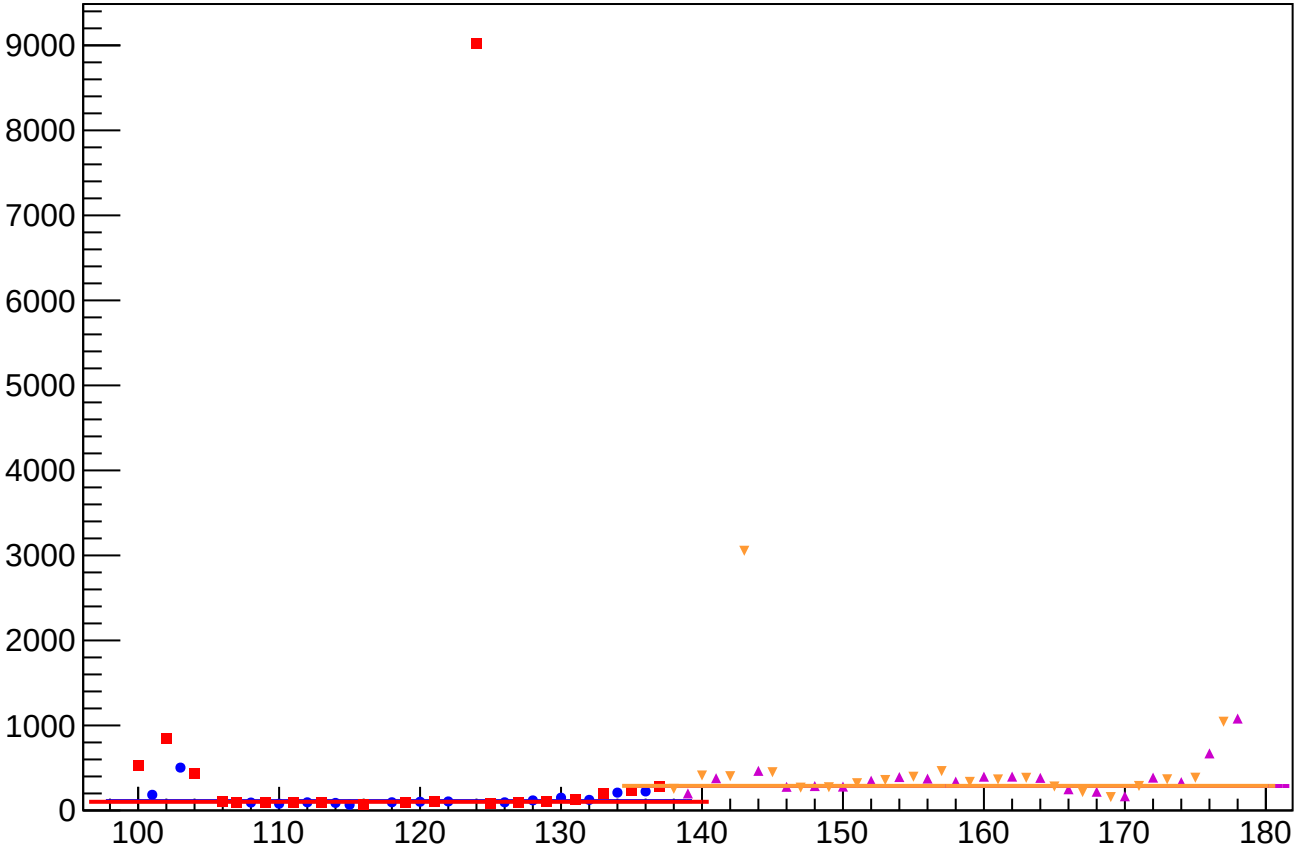
Left In: -0.064+/-0.077 χ^2/NDF:22.5/19

+ sign 0.029+/-0.039 χ^2/NDF: 35.9/36

All: 0.005+/-0.027 χ^2/NDF: 81.9/75

- sign -0.018+/-0.038 χ^2/NDF: 45.3/38

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 289.304+/-0.055 χ^2/NDF:4709157.6/20

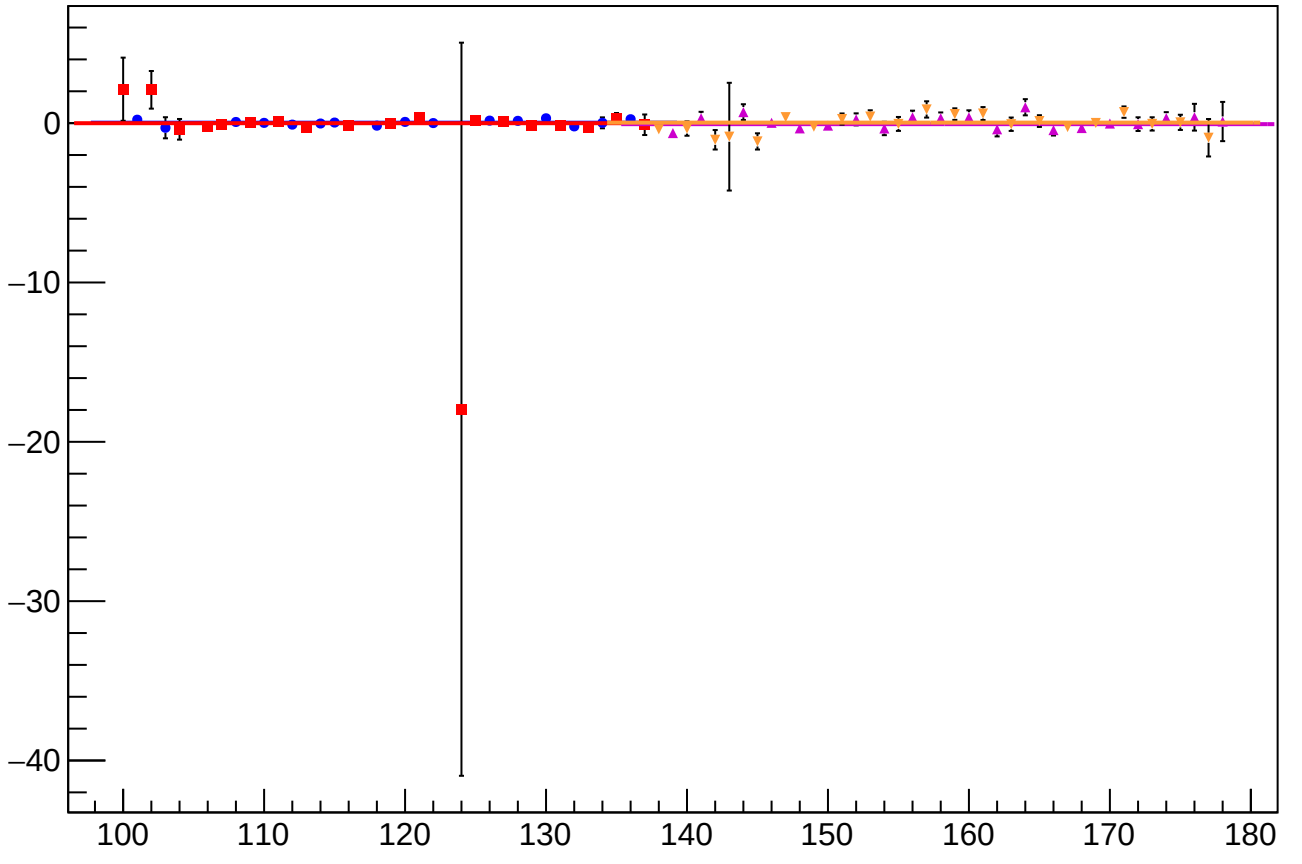
Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 287.543+/-0.054 χ^2/NDF:3658075.0/19

+ sign 155.119+/-0.028 χ^2/NDF: 14526666.2/36

All: 150.809+/-0.019 χ^2/NDF: 29697132.2/75

- sign 146.809+/-0.027 χ^2/NDF: 15123826.5/38



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.033+/-0.078 χ^2/NDF:27.0/20

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

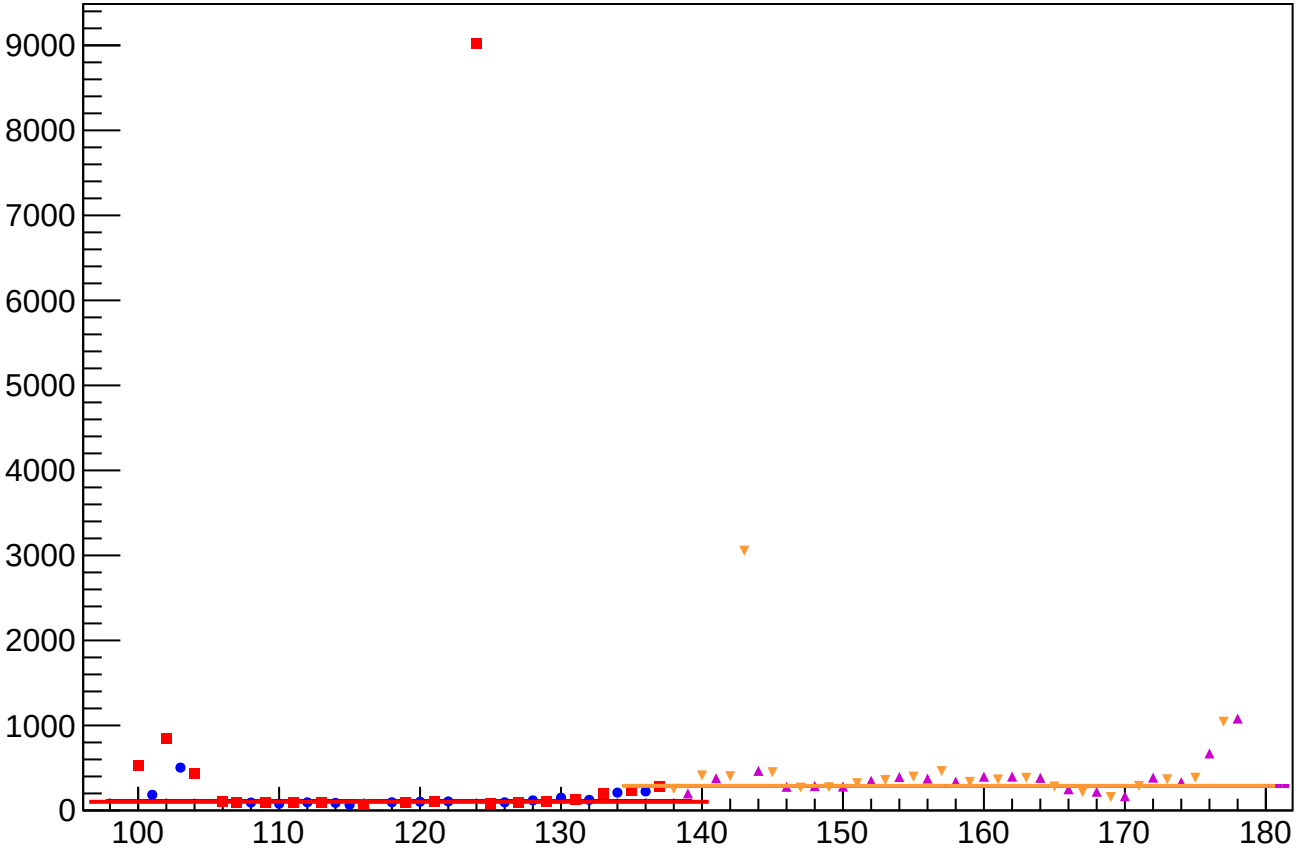
Left In: -0.064+/-0.077 χ^2/NDF:22.5/19

+ sign 0.029+/-0.039 χ^2/NDF: 35.9/36

All: 0.005+/-0.027 χ^2/NDF: 81.9/75

- sign -0.018+/-0.038 χ^2/NDF: 45.3/38

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: 289.304+/-0.055 χ^2/NDF:4709157.6/20

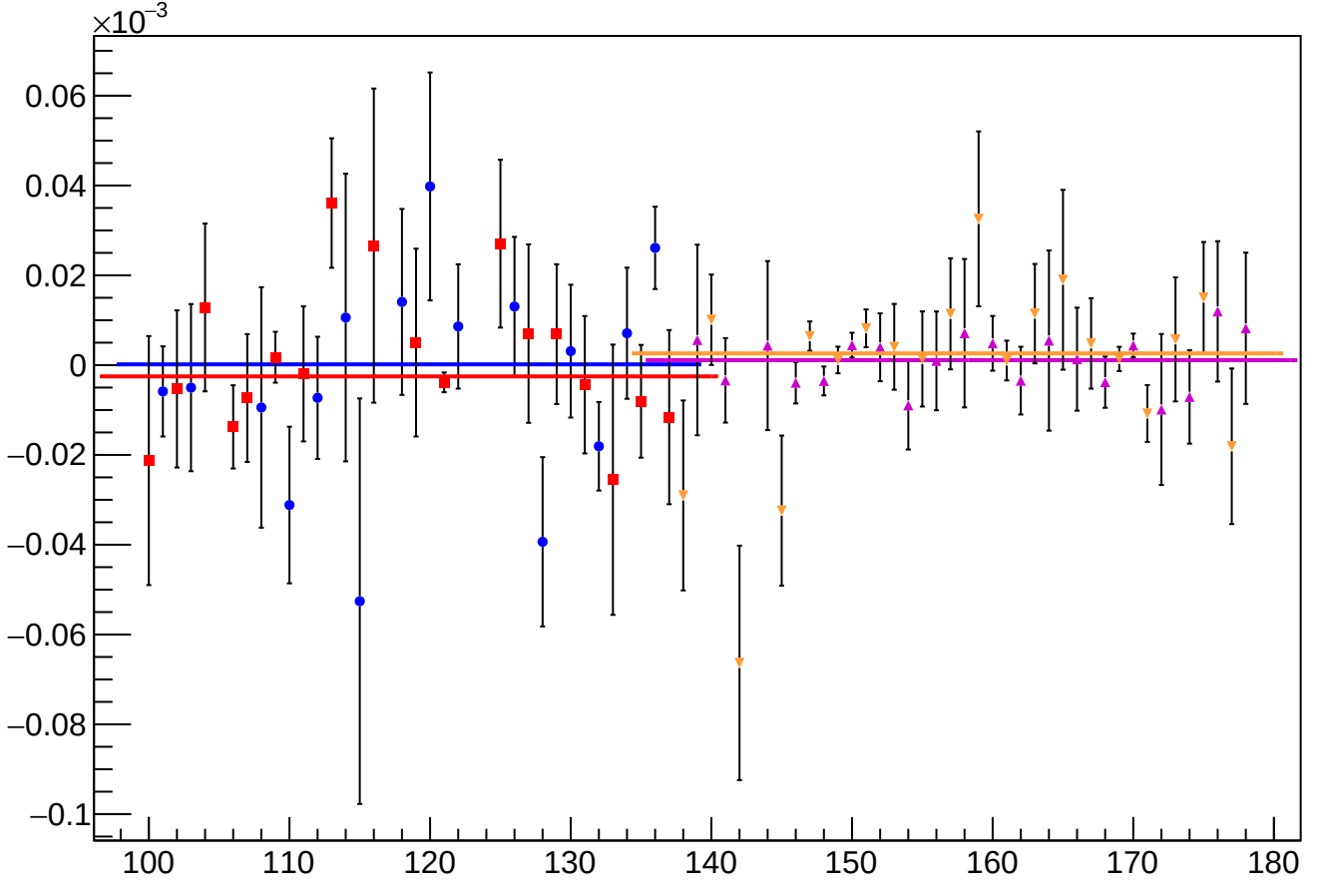
Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 287.543+/-0.054 χ^2/NDF:3658075.0/19

+ sign 155.119+/-0.028 χ^2/NDF: 14526666.2/36

All: 150.809+/-0.019 χ^2/NDF: 29697132.2/75

- sign 146.809+/-0.027 χ^2/NDF: 15123826.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:29.1/19

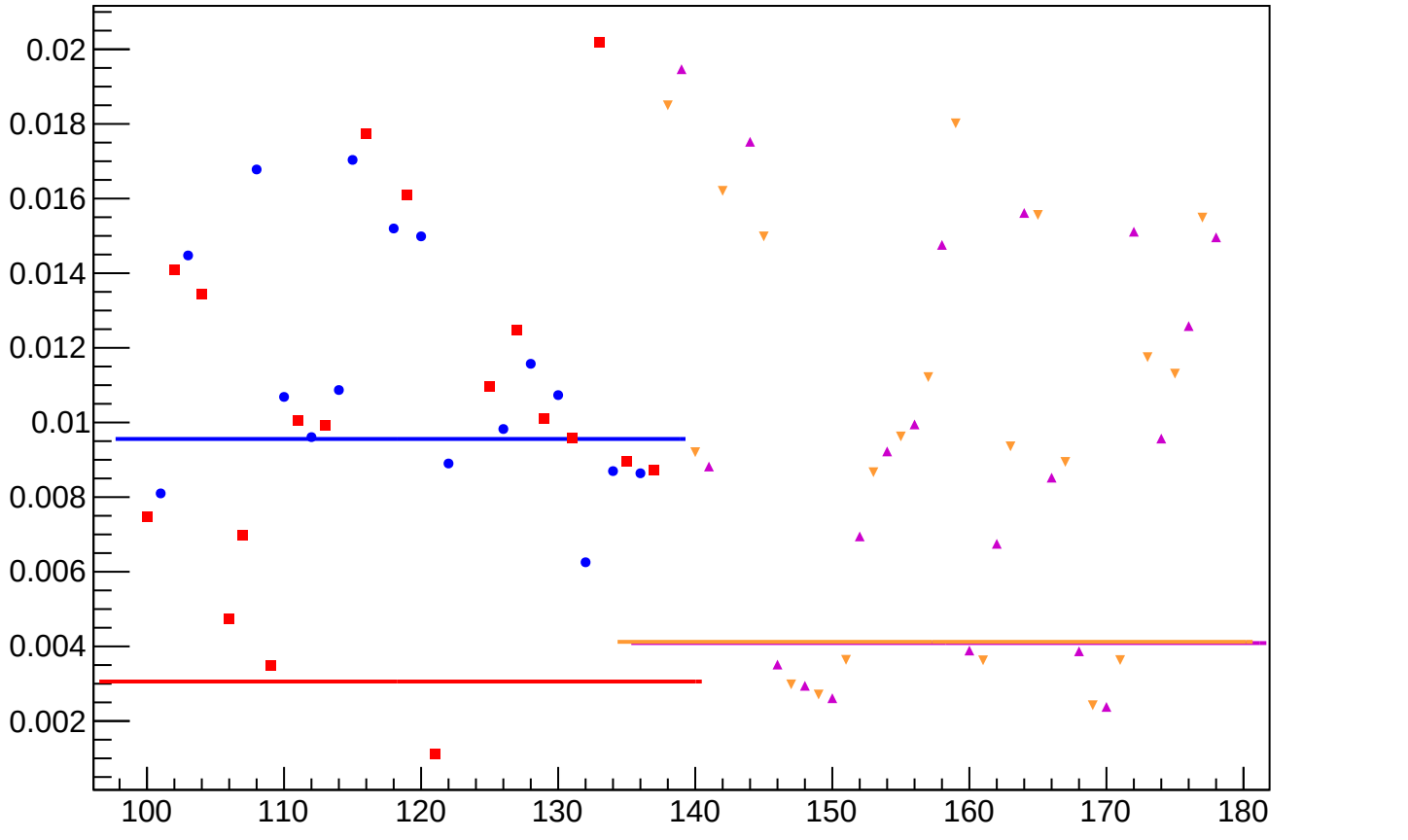
Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: 0.000+/-0.000 χ^2/NDF:11.1/19

+ sign 0.000+/-0.000 χ^2/NDF: 55.1/35

All: 0.000+/-0.000 χ^2/NDF: 86.8/73

- sign -0.000+/-0.000 χ^2/NDF: 29.5/37



Right In: 0.010+/-0.000 χ^2/NDF: 926018.8/15

Left Out: 0.004+/-0.000 χ^2/NDF:10630594.1/19

Right Out: 0.003+/-0.000 χ^2/NDF: 8122378.4/17

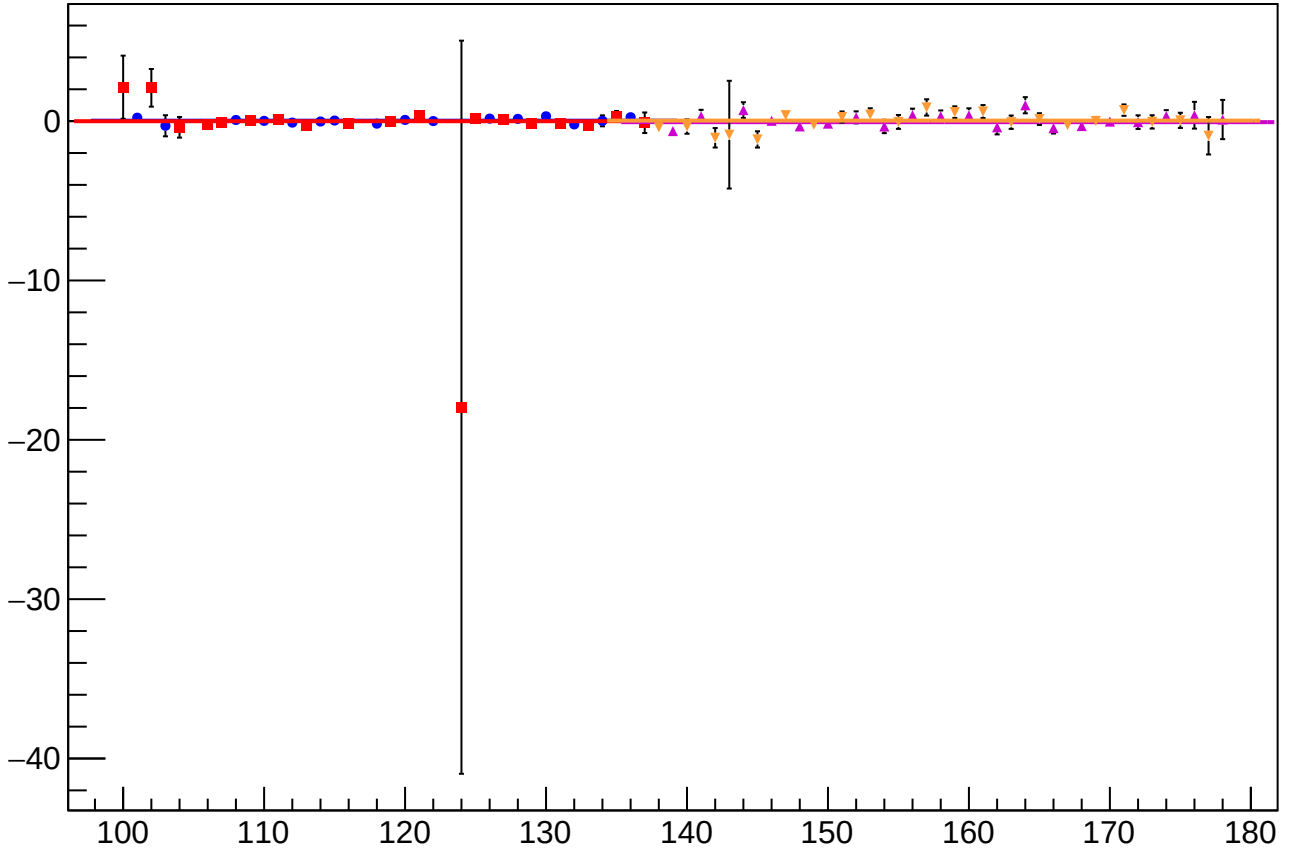
Left In: 0.004+/-0.000 χ^2/NDF:10547945.1/19

+ sign 0.005+/-0.000 χ^2/NDF: 15320101.9/35

All: 0.004+/-0.000 χ^2/NDF: 35149136.0/73

- sign 0.004+/-0.000 χ^2/NDF: 19089497.9/37

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: 0.033+/-0.078 χ^2/NDF:27.0/20

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

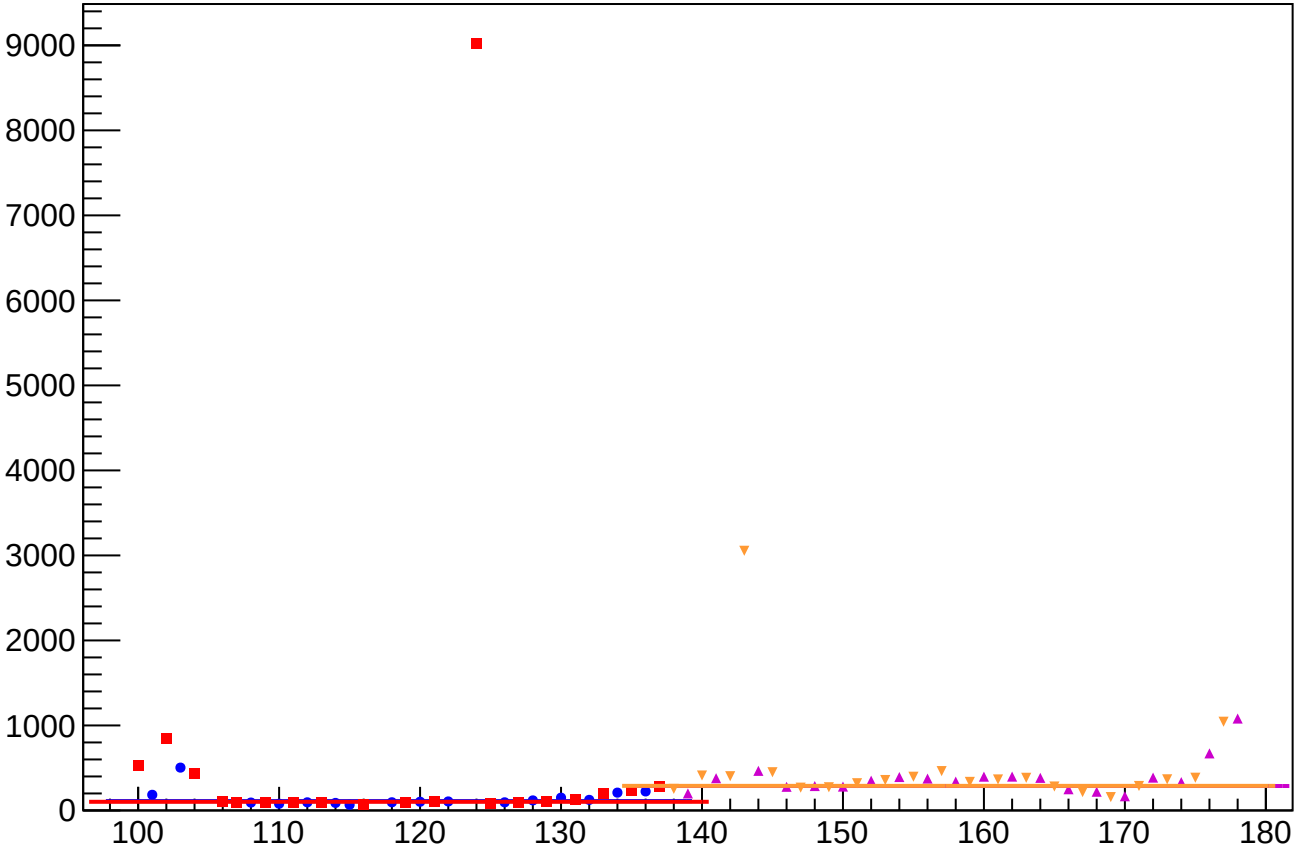
Left In: -0.064+/-0.077 χ^2/NDF:22.5/19

+ sign 0.029+/-0.039 χ^2/NDF: 35.9/36

All: 0.005+/-0.027 χ^2/NDF: 81.9/75

- sign -0.018+/-0.038 χ^2/NDF: 45.3/38

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: 289.305+/-0.055 χ^2/NDF:4709204.7/20

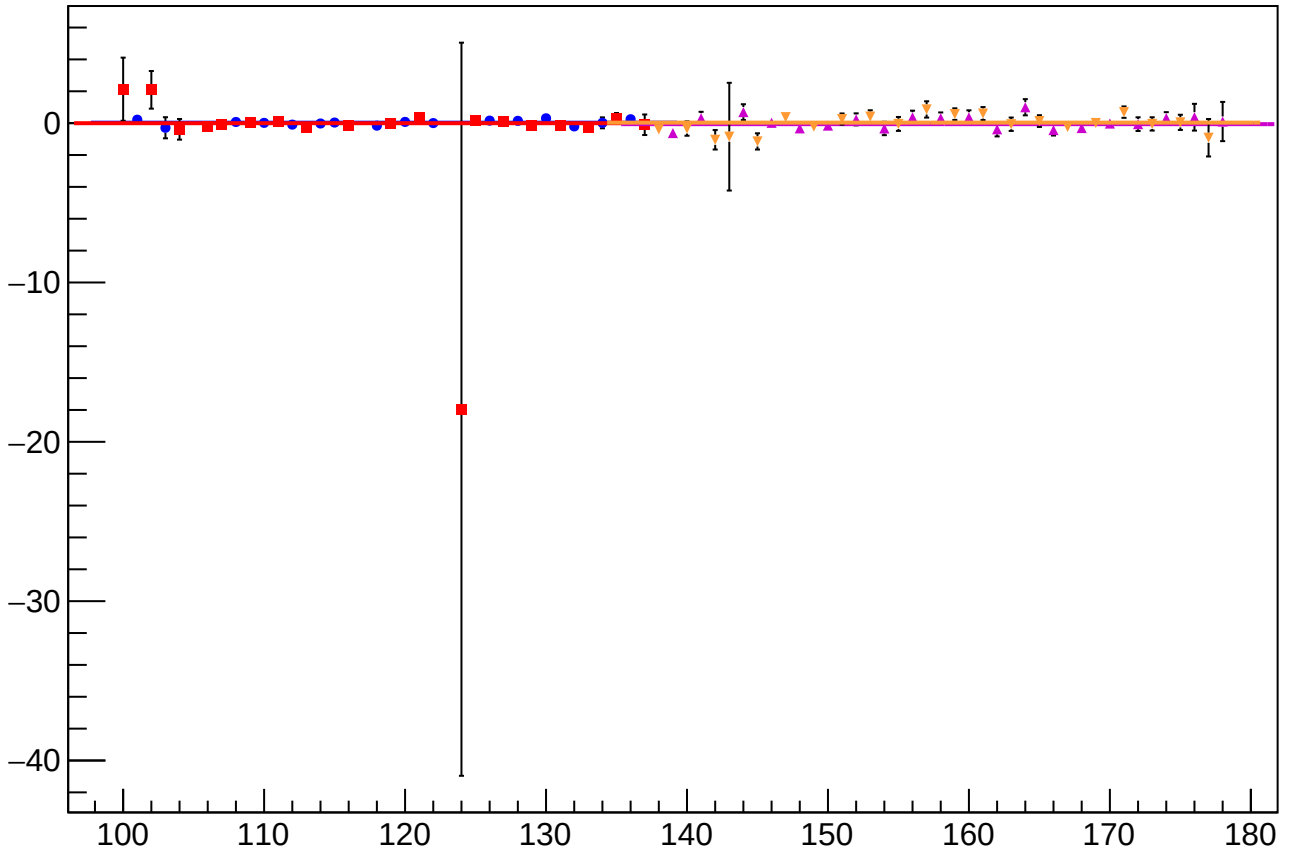
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 287.546+/-0.054 χ^2/NDF:3658031.0/19

+ sign 155.120+/-0.028 χ^2/NDF: 14526607.4/36

All: 150.811+/-0.019 χ^2/NDF: 29696940.9/75

- sign 146.810+/-0.027 χ^2/NDF: 15123700.8/38



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.033+/-0.078 χ^2/NDF:27.0/20

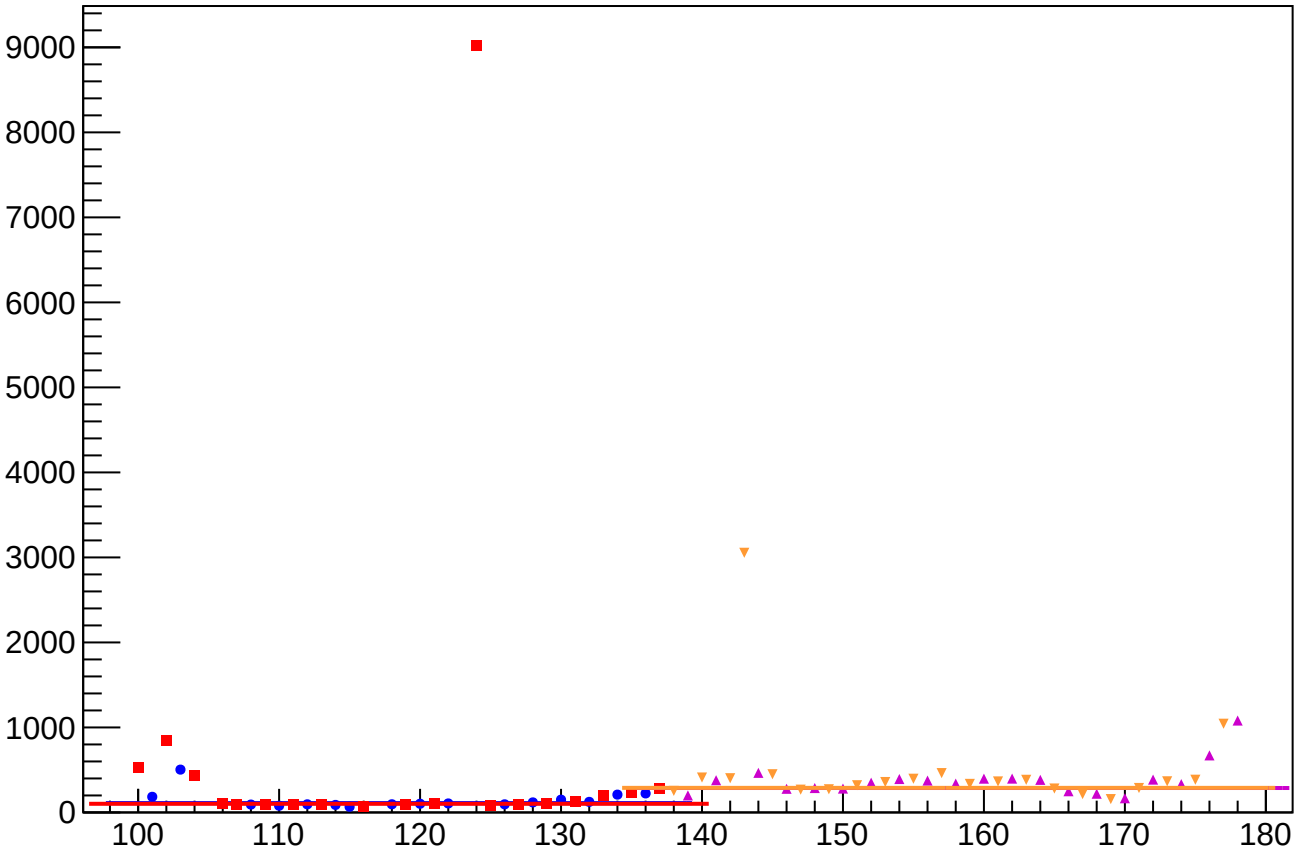
Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: -0.064+/-0.077 χ^2/NDF:22.5/19

+ sign 0.029+/-0.039 χ^2/NDF: 35.9/36

All: 0.005+/-0.027 χ^2/NDF: 81.9/75

- sign -0.018+/-0.038 χ^2/NDF: 45.3/38



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 289.305+/-0.055 χ^2/NDF:4709204.7/20

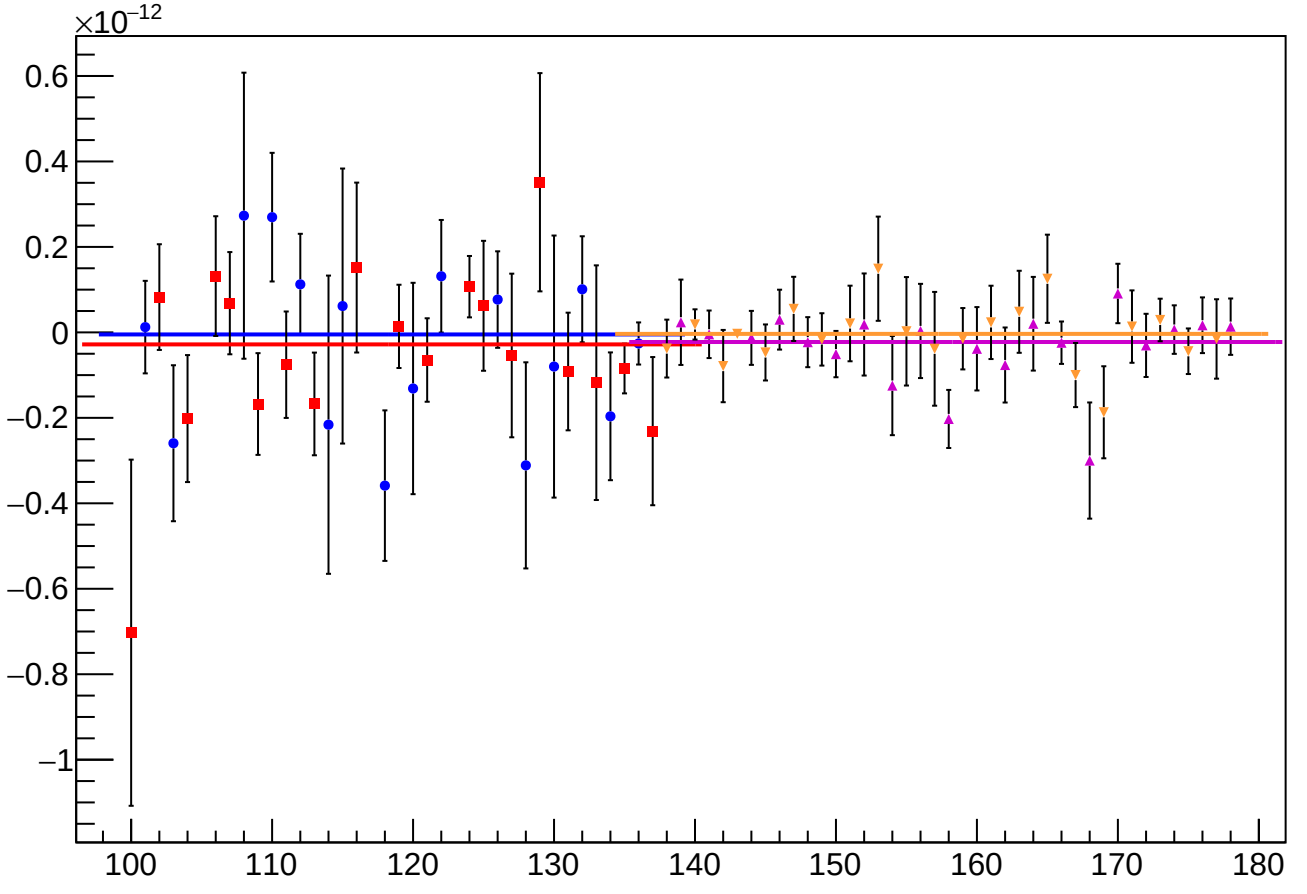
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 287.546+/-0.054 χ^2/NDF:3658031.0/19

+ sign 155.120+/-0.028 χ^2/NDF: 14526607.4/36

All: 150.811+/-0.019 χ^2/NDF: 29696940.9/75

- sign 146.810+/-0.027 χ^2/NDF: 15123700.8/38



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.8/20

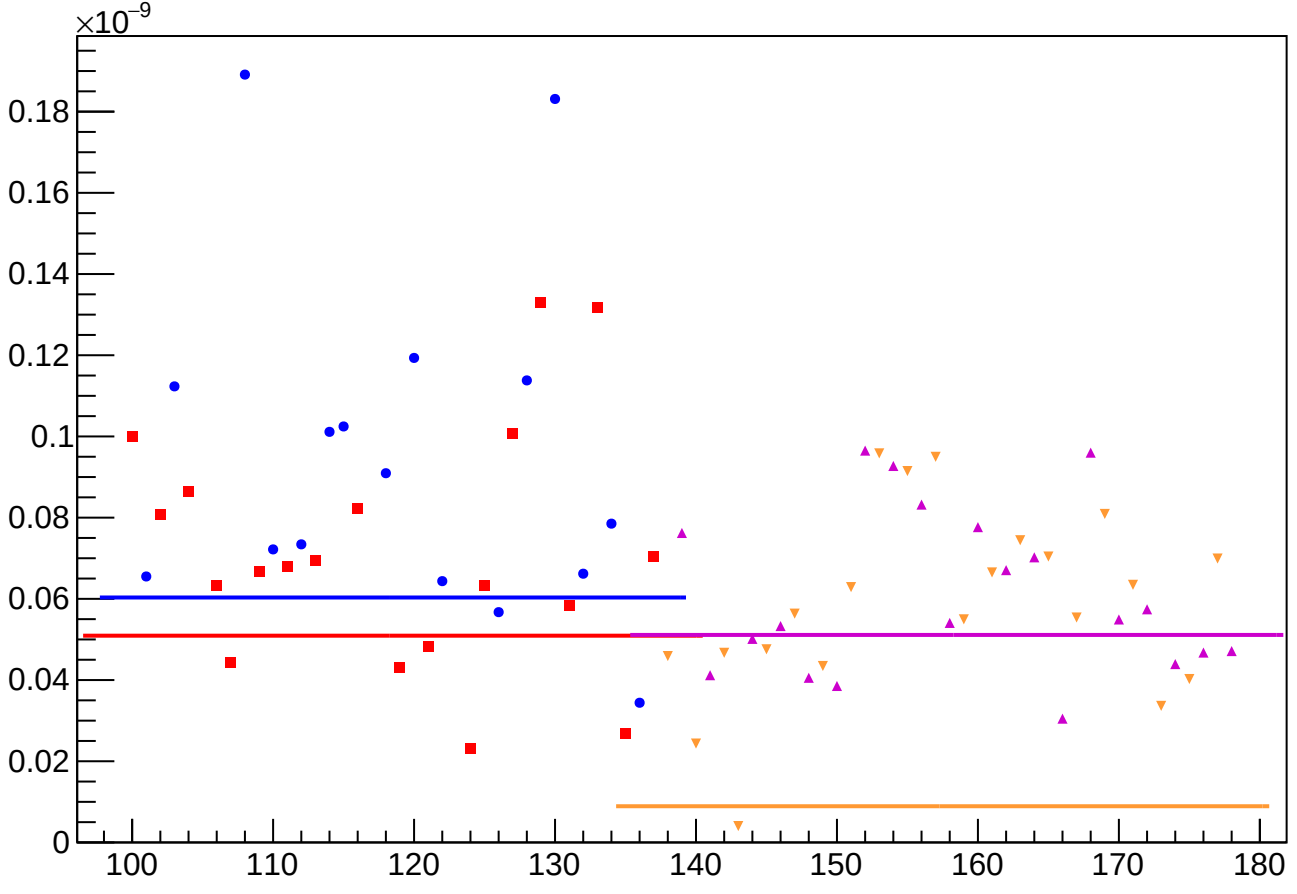
Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: -0.000+/-0.000 χ^2/NDF:17.5/19

+ sign -0.000+/-0.000 χ^2/NDF: 29.3/36

All: -0.000+/-0.000 χ^2/NDF: 68.4/75

- sign -0.000+/-0.000 χ^2/NDF: 37.1/38



Right In: 0.000+/-0.000 χ^2/NDF: 1746170.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:16360217.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1667004.7/18

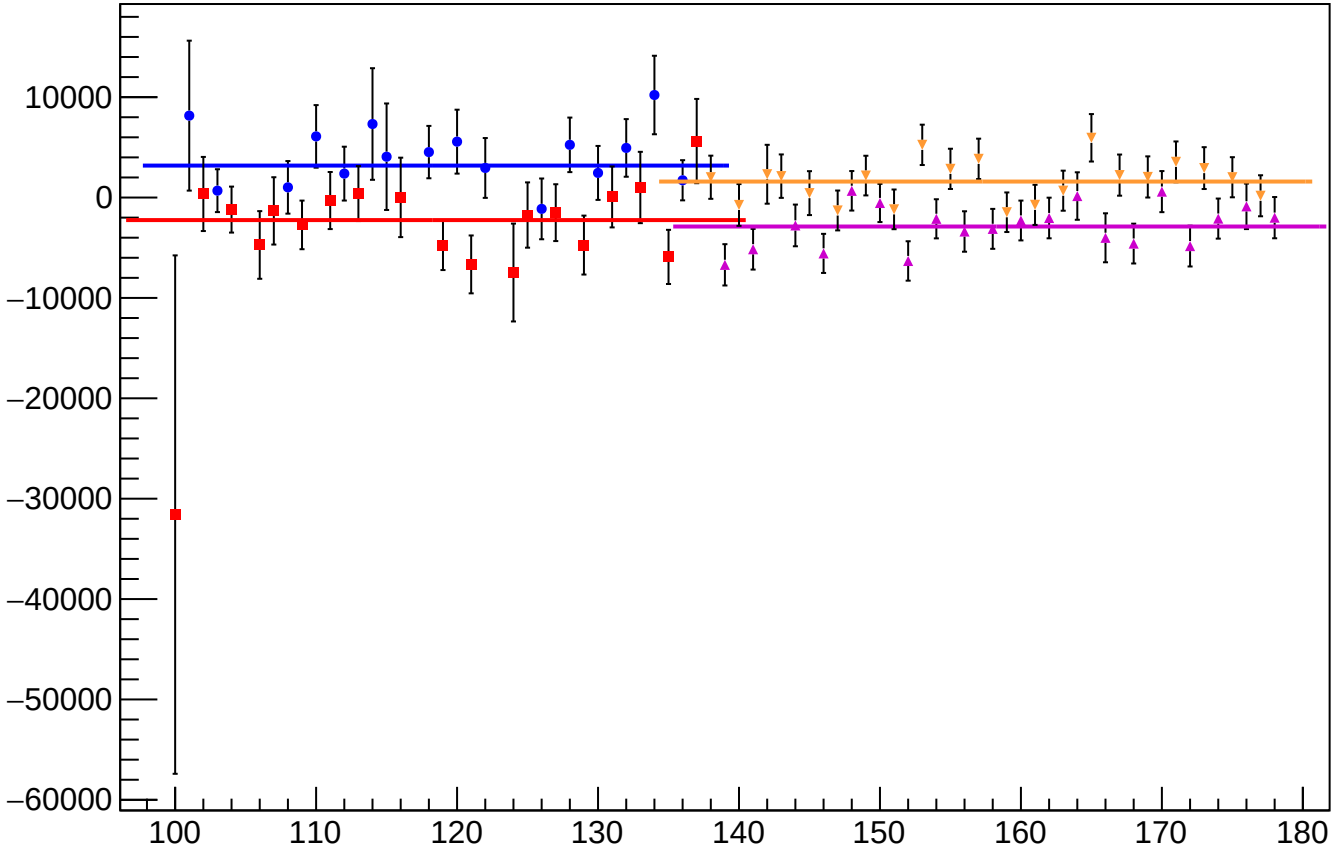
Left In: 0.000+/-0.000 χ^2/NDF:1991833.1/19

\+ sign 0.000+/-0.000 χ^2/NDF: 23207492.5/36

All: 0.000+/-0.000 χ^2/NDF: 42116133.7/75

\- sign 0.000+/-0.000 χ^2/NDF: 3658906.0/38

reg_asym_atr_avg_mean vs Slug



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1593.562+/-453.068 χ^2/NDF:20.2/20

Right Out: -2246.057+/-710.912 χ^2/NDF: 16.5/18

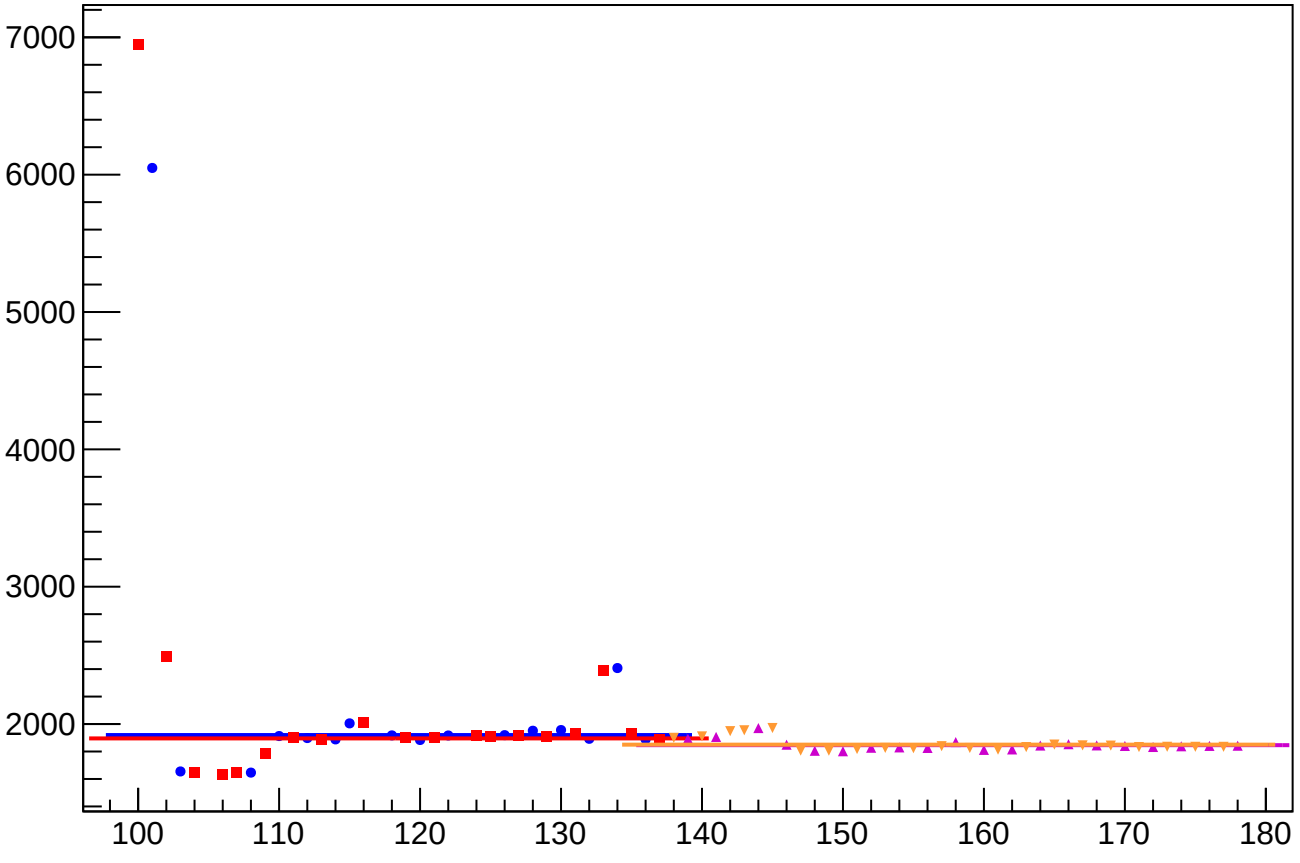
Left In: -2885.901+/-456.725 χ^2/NDF:22.5/19

+ sign 2034.759+/-385.119 χ^2/NDF: 35.3/36

All: -337.397+/-272.015 χ^2/NDF: 150.6/75

- sign -2698.966+/-384.258 χ^2/NDF: 39.5/38

reg_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1849.919+/-0.320 χ^2/NDF:20603.7/20

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

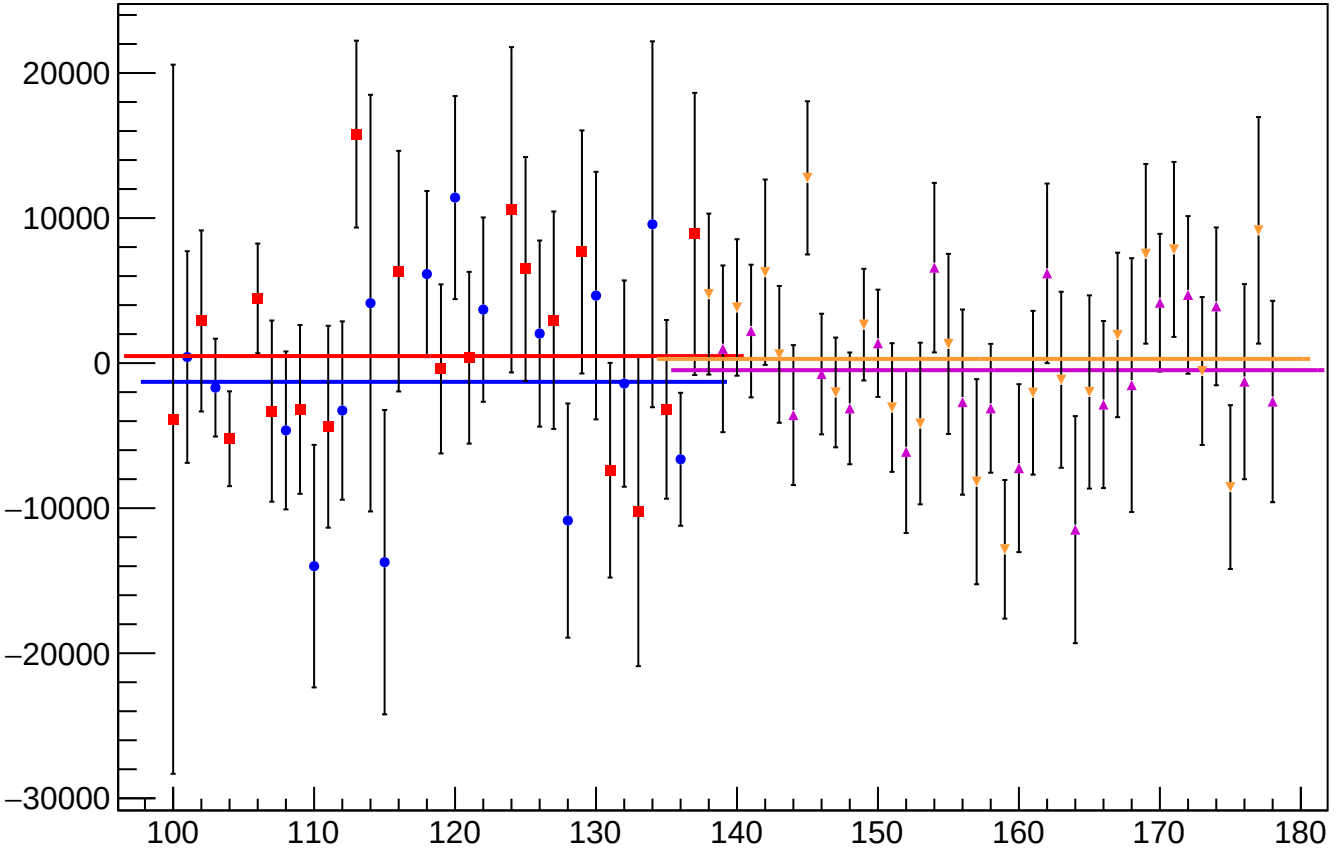
Left In: 1846.146+/-0.323 χ^2/NDF:13914.6/19

+ sign 1869.316+/-0.272 χ^2/NDF: 731146.7/36

All: 1864.941+/-0.192 χ^2/NDF: 974667.7/75

- sign 1860.595+/-0.271 χ^2/NDF: 243006.6/38

asym_atr_avg_reg_correction_mean vs Slug



Right In: -1290.495+/-1585.432 χ^2/NDF: 14.3/15

Left Out: 290.507+/-1158.437 χ^2/NDF:25.8/20

Right Out: 485.214+/-1437.465 χ^2/NDF: 17.2/18

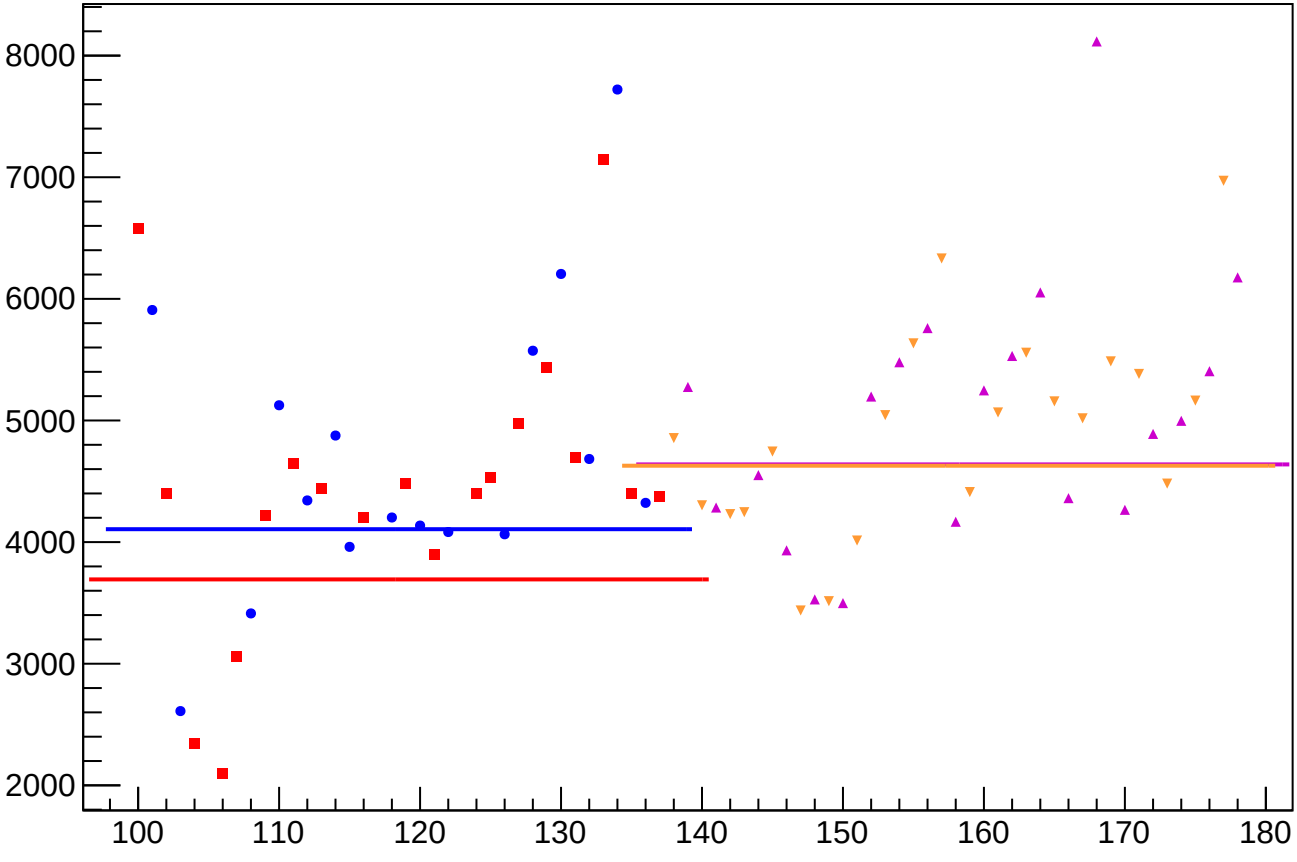
Left In: -486.256+/-1173.465 χ^2/NDF:11.8/19

\+ sign -259.779+/-935.353 χ^2/NDF: 40.7/36

All: -176.455+/-651.889 χ^2/NDF: 70.0/75

\- sign -97.755+/-909.030 χ^2/NDF: 29.3/38

asym_atr_avg_reg_correction_rms vs Slug



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4628.112+/-0.819 χ^2/NDF:973282.6/20

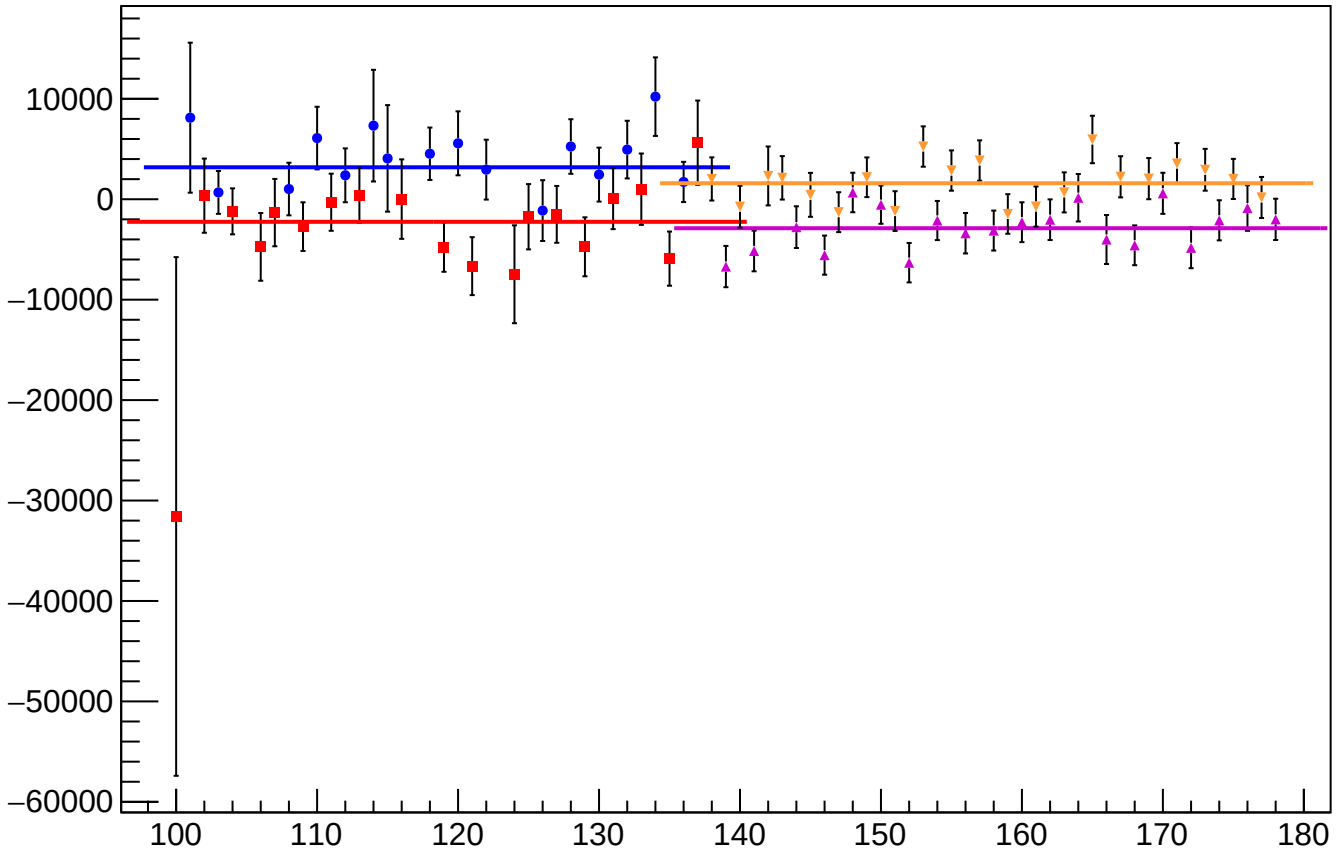
Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4638.790+/-0.830 χ^2/NDF:1195504.9/19

+ sign 4446.434+/-0.661 χ^2/NDF: 2070742.8/36

All: 4350.899+/-0.461 χ^2/NDF: 5182735.8/75

- sign 4260.665+/-0.643 χ^2/NDF: 3071422.2/38



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1593.497+/-453.068 χ^2/NDF:20.2/20

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

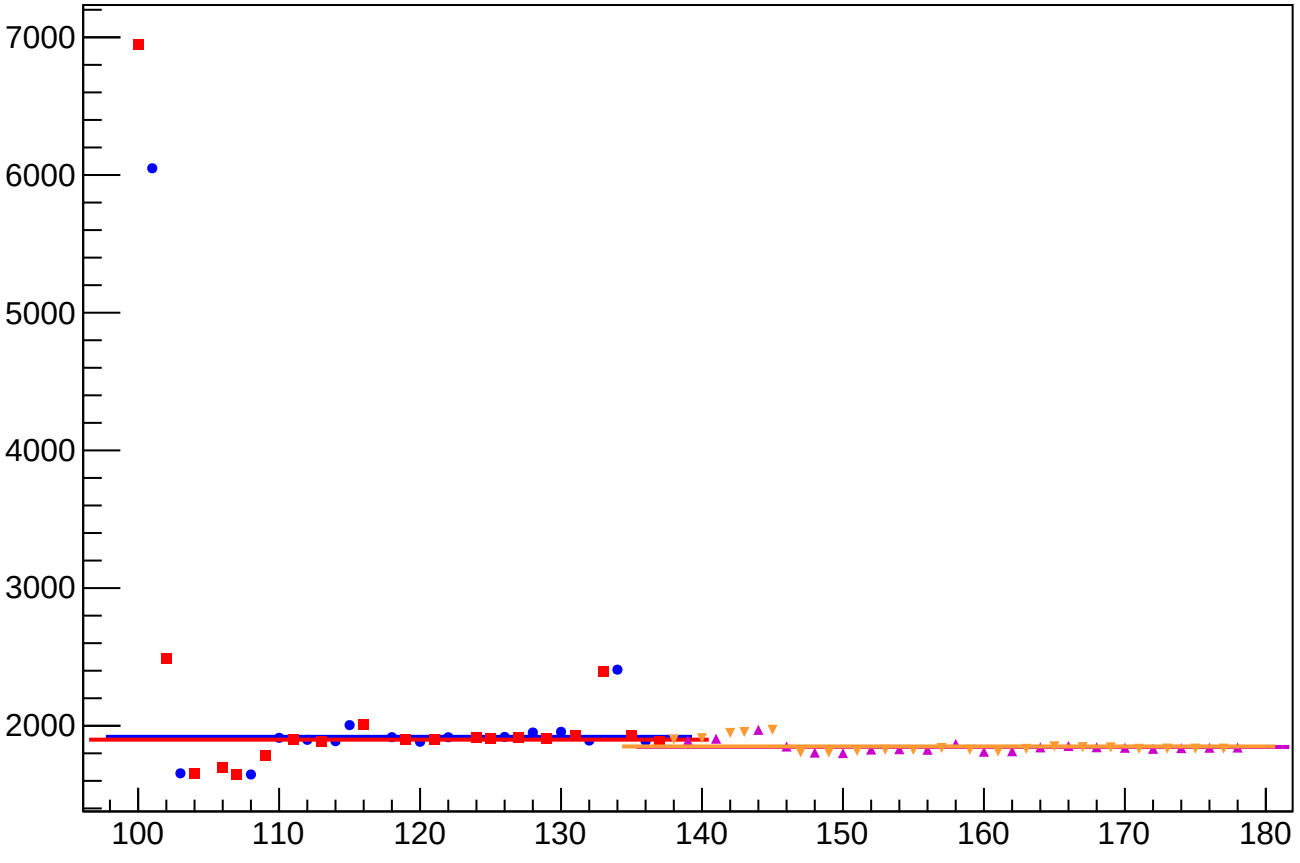
Left In: -2885.869+/-456.725 χ^2/NDF:22.5/19

+ sign 2034.509+/-385.119 χ^2/NDF: 35.3/36

All: -337.674+/-272.016 χ^2/NDF: 150.6/75

- sign -2699.277+/-384.259 χ^2/NDF: 39.5/38

cor_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1849.919+/-0.320 χ^2/NDF:20603.7/20

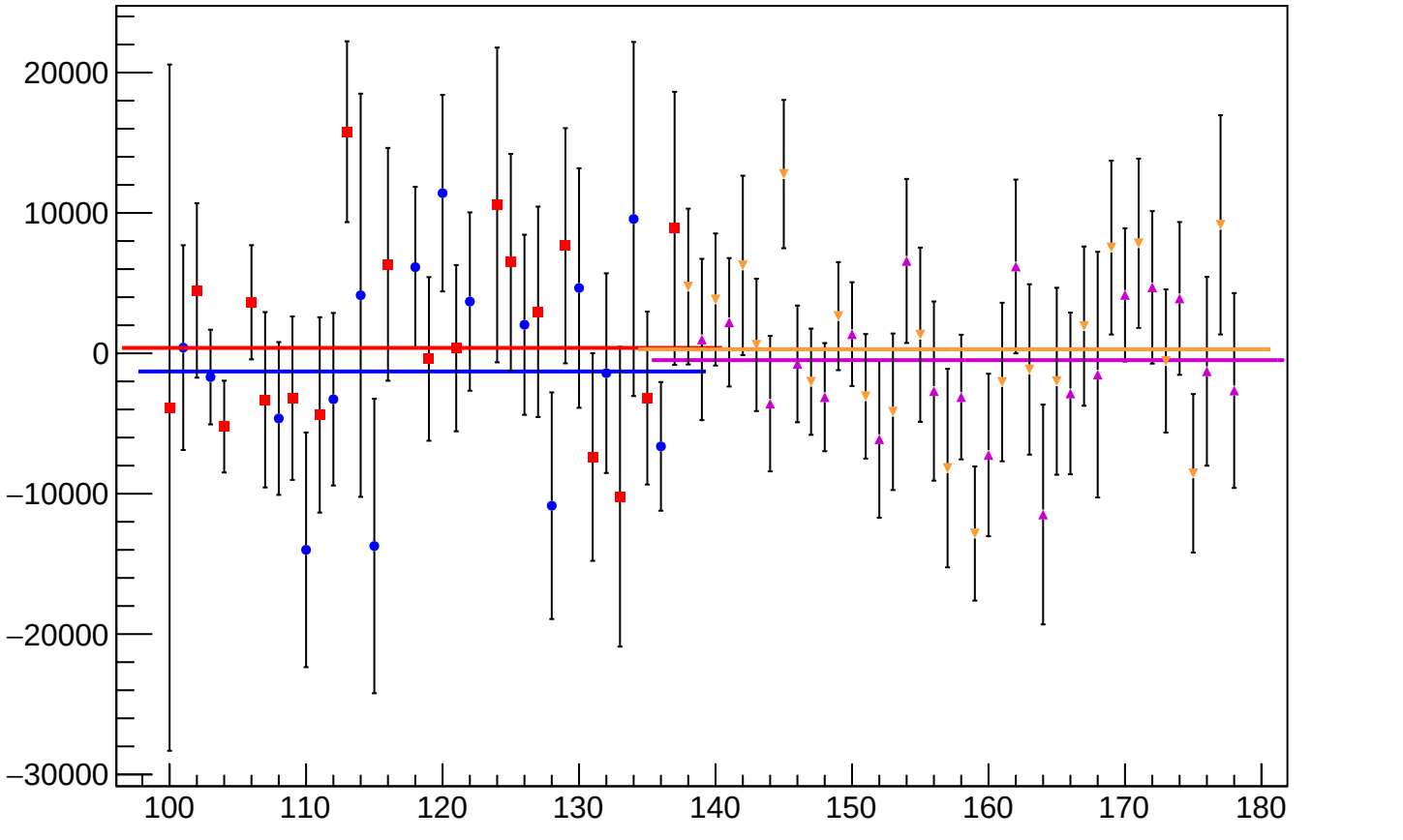
Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1846.146+/-0.323 χ^2/NDF:13914.6/19

+ sign 1869.316+/-0.272 χ^2/NDF: 731146.0/36

All: 1865.512+/-0.192 χ^2/NDF: 969054.7/75

- sign 1861.729+/-0.272 χ^2/NDF: 237519.6/38



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 290.490+/-1158.435 χ^2/NDF:25.8/20

Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

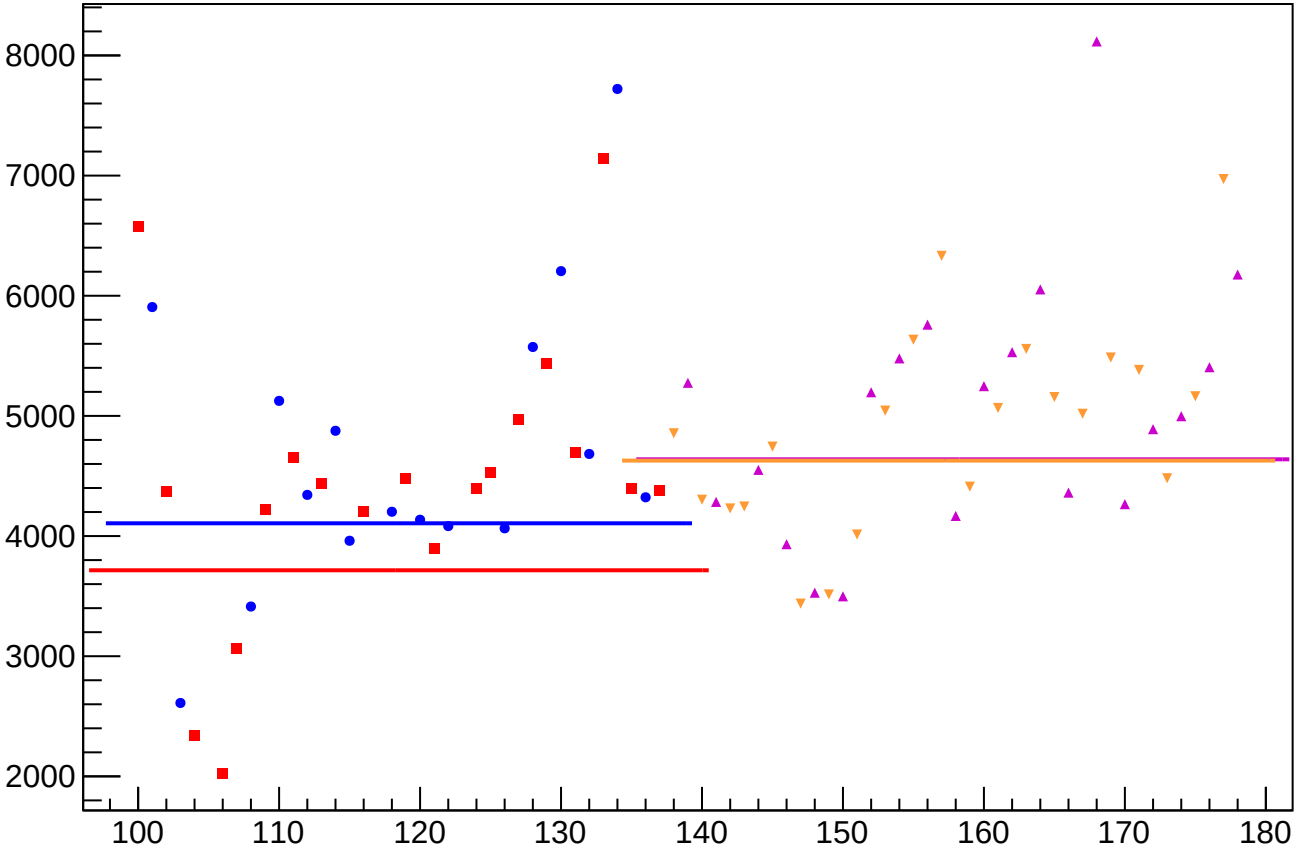
Left In: -486.261+/-1173.466 χ^2/NDF:11.8/19

+ sign -259.915+/-935.353 χ^2/NDF: 40.7/36

All: -198.919+/-653.186 χ^2/NDF: 69.7/75

- sign -140.860+/-912.557 χ^2/NDF: 29.0/38

asym_atr_avg_cor_correction_rms vs Slug



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4628.101+/-0.819 χ^2/NDF:973300.9/20

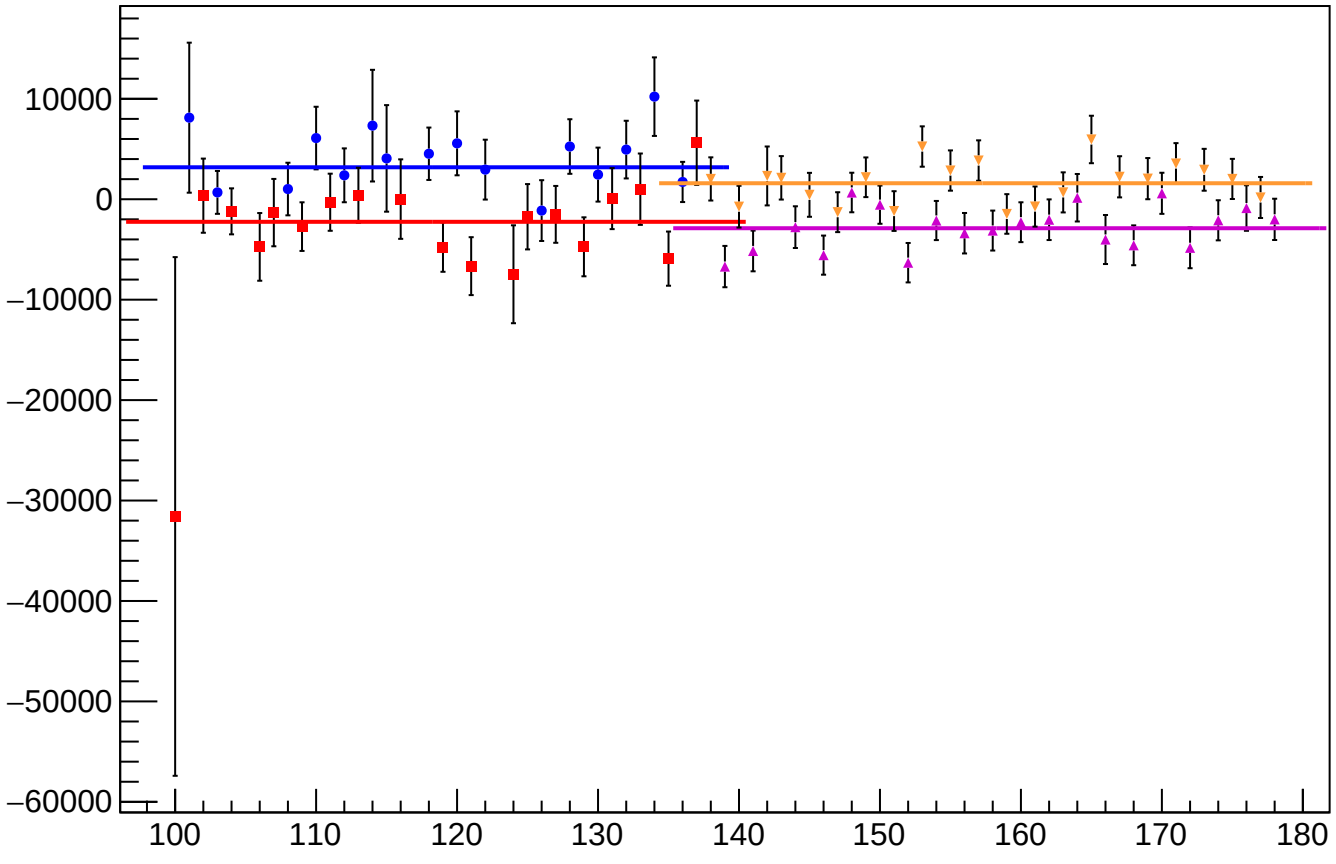
Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4638.793+/-0.830 χ^2/NDF:1195502.1/19

+ sign 4446.460+/-0.661 χ^2/NDF: 2070205.7/36

All: 4357.974+/-0.462 χ^2/NDF: 5125429.1/75

- sign 4273.748+/-0.645 χ^2/NDF: 3020286.6/38



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1593.497+/-453.068 χ^2/NDF:20.2/20

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

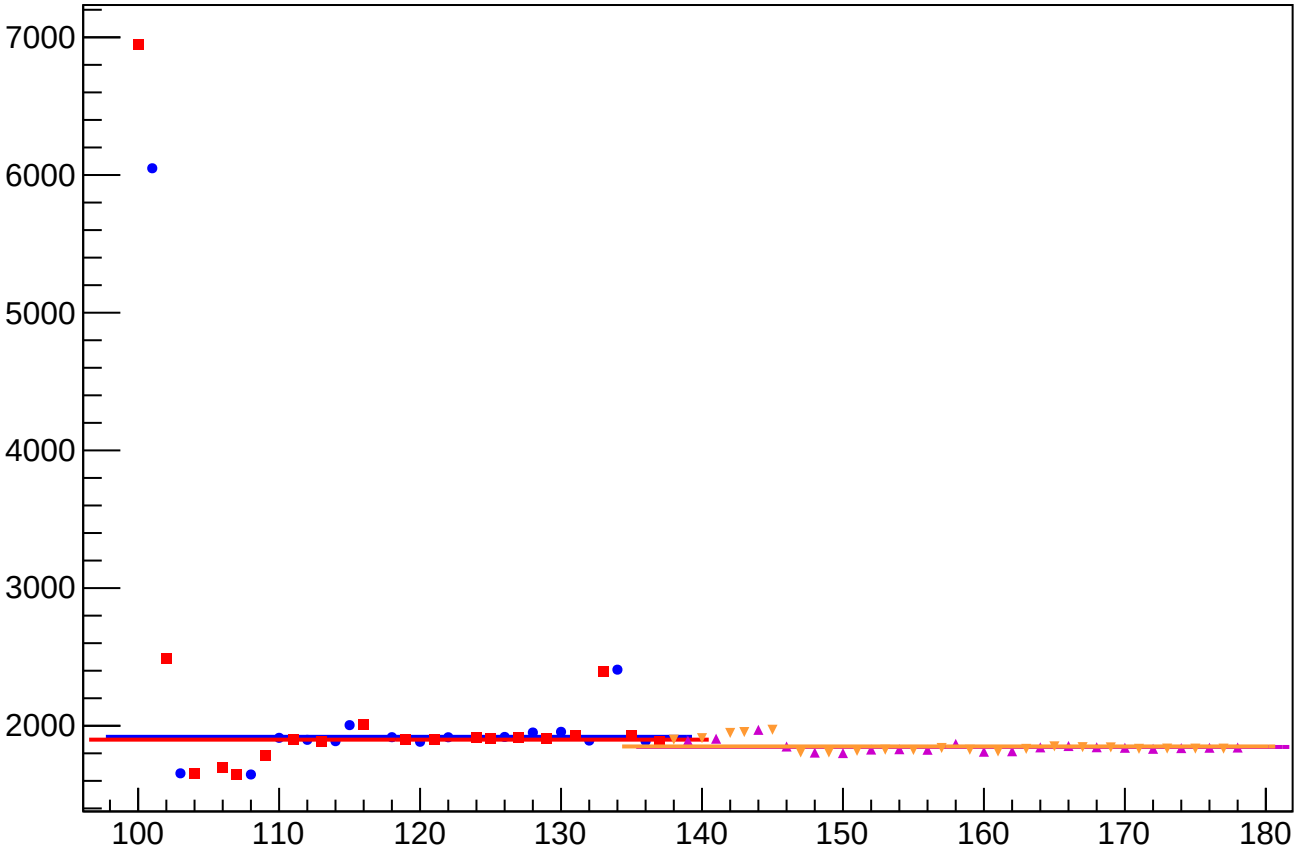
Left In: -2885.869+/-456.725 χ^2/NDF:22.5/19

+ sign 2034.509+/-385.119 χ^2/NDF: 35.3/36

All: -337.674+/-272.016 χ^2/NDF: 150.6/75

- sign -2699.277+/-384.259 χ^2/NDF: 39.5/38

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1849.919+/-0.320 χ^2/NDF:20603.7/20

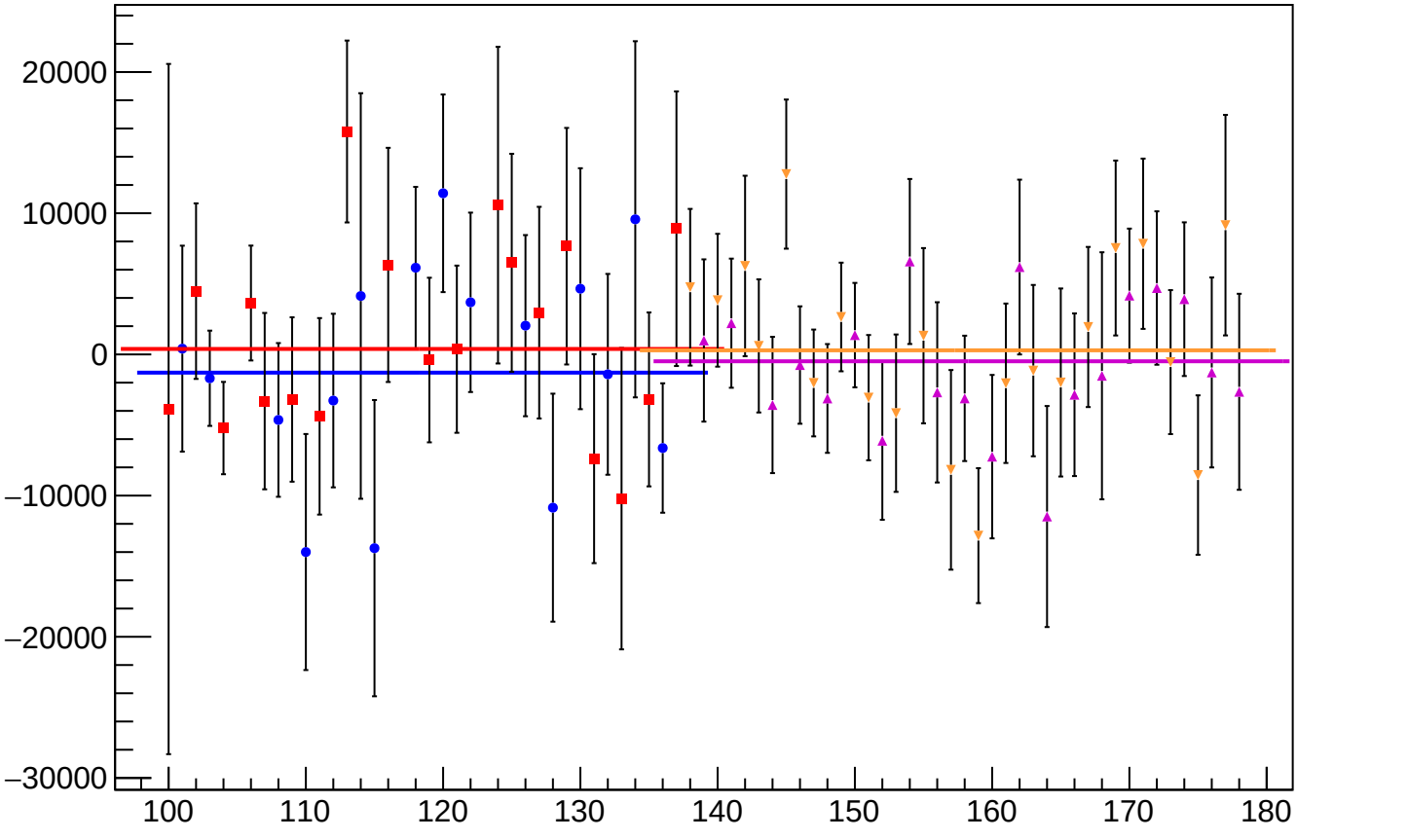
Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1846.146+/-0.323 χ^2/NDF:13914.6/19

+ sign 1869.316+/-0.272 χ^2/NDF: 731146.0/36

All: 1865.512+/-0.192 χ^2/NDF: 969054.7/75

- sign 1861.729+/-0.272 χ^2/NDF: 237519.6/38



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 290.490+/-1158.435 χ^2/NDF:25.8/20

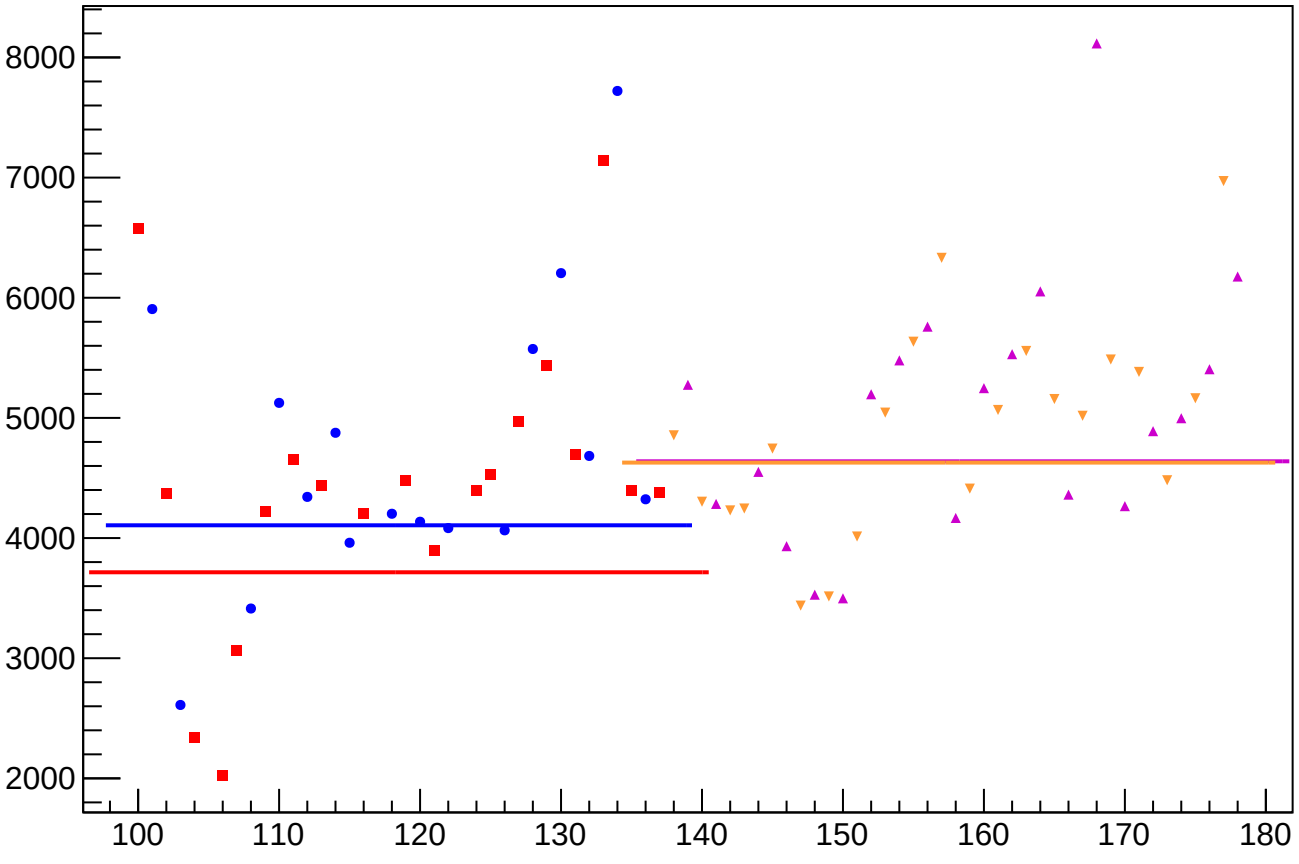
Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: -486.261+/-1173.466 χ^2/NDF:11.8/19

+ sign -259.915+/-935.353 χ^2/NDF: 40.7/36

All: -198.919+/-653.186 χ^2/NDF: 69.7/75

- sign -140.860+/-912.557 χ^2/NDF: 29.0/38



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4628.101+/-0.819 χ^2/NDF:973300.9/20

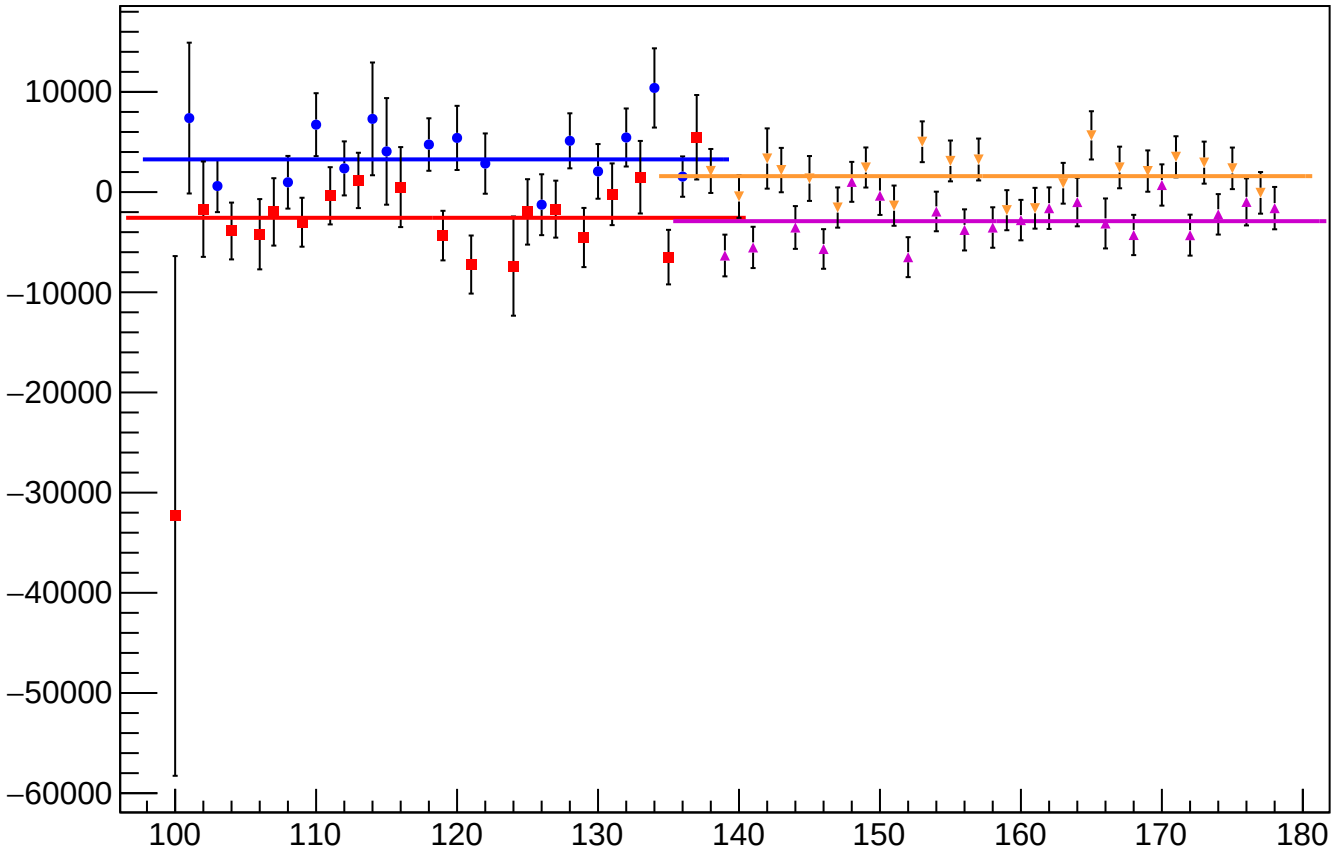
Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4638.793+/-0.830 χ^2/NDF:1195502.1/19

+ sign 4446.460+/-0.661 χ^2/NDF: 2070205.7/36

All: 4357.974+/-0.462 χ^2/NDF: 5125429.1/75

- sign 4273.748+/-0.645 χ^2/NDF: 3020286.6/38



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1592.416+/-461.375 χ^2/NDF:20.8/20

Right Out: -2566.683+/-734.876 χ^2/NDF: 17.0/18

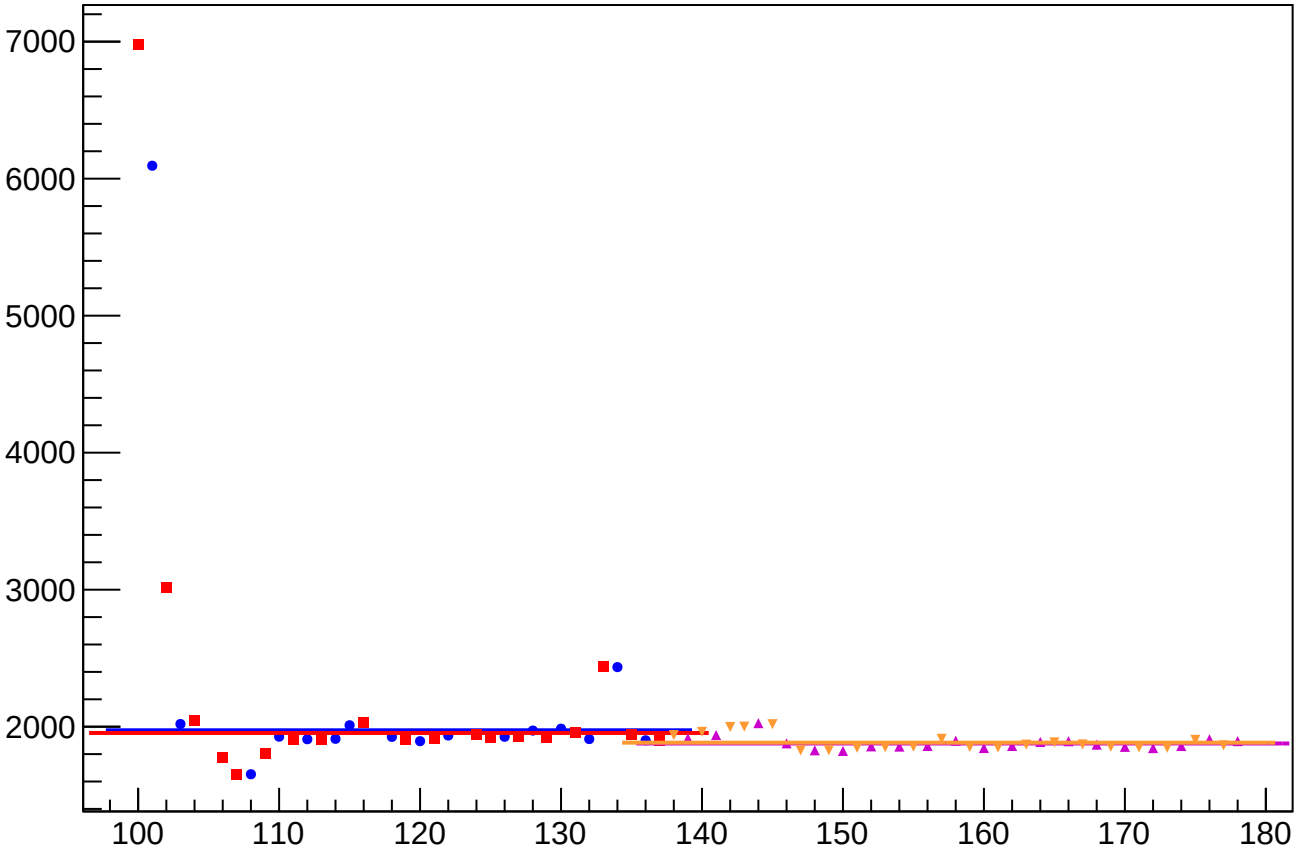
Left In: -2901.714+/-464.552 χ^2/NDF:22.0/19

+ sign 2050.736+/-393.096 χ^2/NDF: 36.6/36

All: -380.283+/-277.811 χ^2/NDF: 152.2/75

- sign -2806.057+/-392.672 χ^2/NDF: 39.1/38

dit_asym_atr_avg_rms vs Slug



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1883.521+/-0.326 χ^2/NDF:28102.2/20

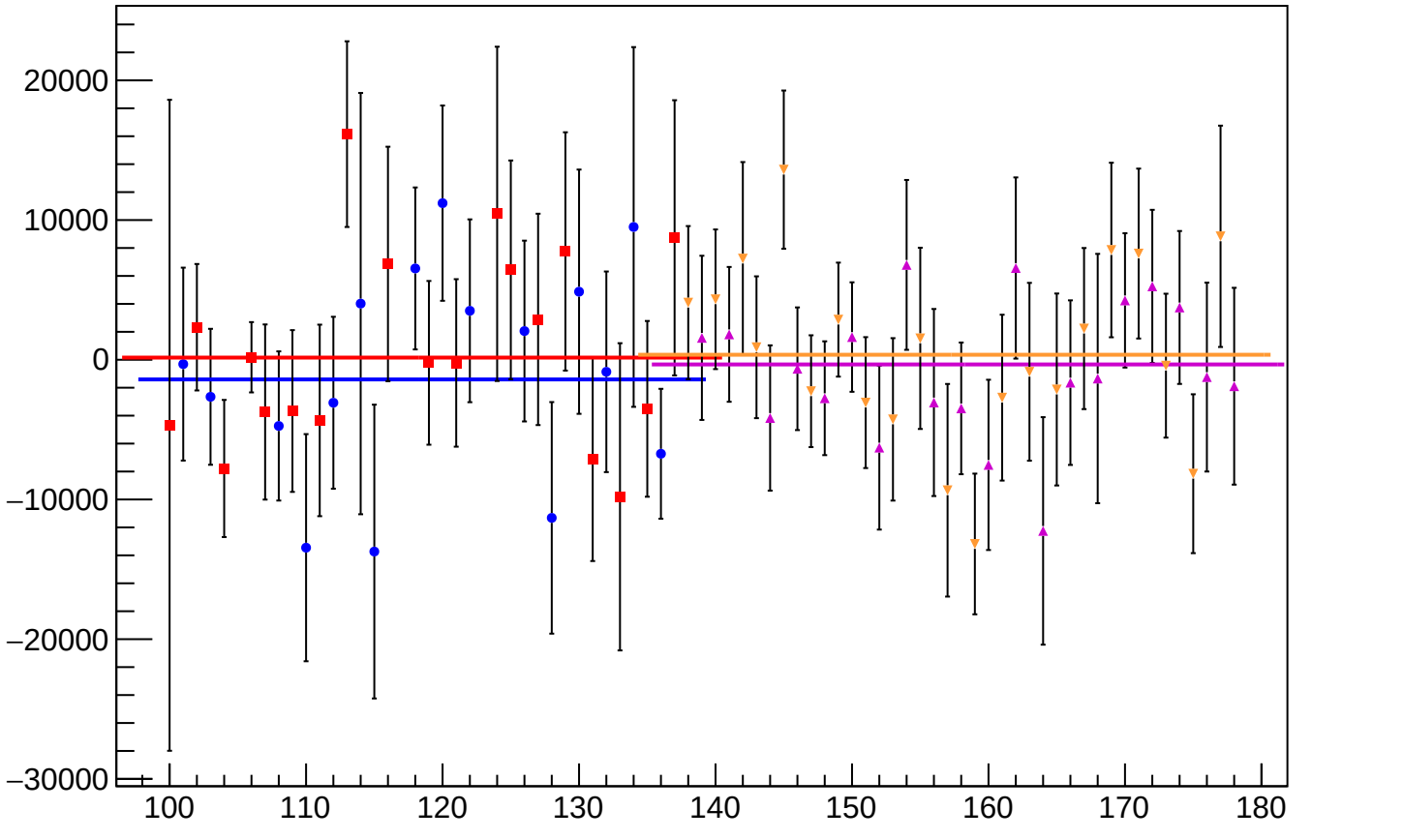
Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1877.564+/-0.328 χ^2/NDF:18105.7/19

+ sign 1908.251+/-0.278 χ^2/NDF: 714190.1/36

All: 1903.875+/-0.196 χ^2/NDF: 994618.4/75

- sign 1899.512+/-0.278 χ^2/NDF: 279933.4/38



Right In: -1407.382+/-1689.989 χ^2/NDF: 14.2/15

Left Out: 358.439+/-1209.129 χ^2/NDF:25.3/20

Right Out: 155.271+/-1363.642 χ^2/NDF: 15.8/18

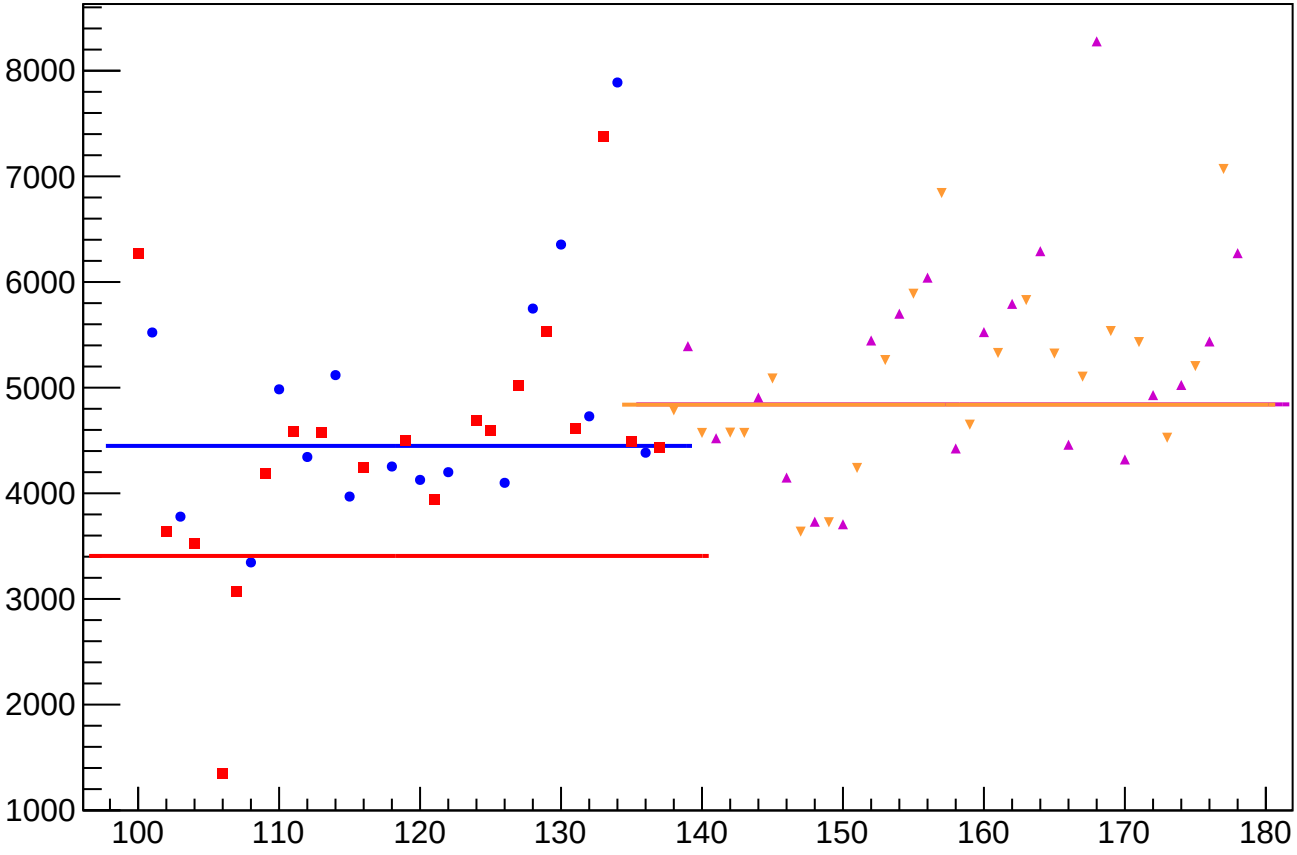
Left In: -335.919+/-1222.803 χ^2/NDF:11.8/19

+ sign -239.427+/-983.359 χ^2/NDF: 40.2/36

All: -173.498+/-668.050 χ^2/NDF: 67.9/75

- sign -116.992+/-910.386 χ^2/NDF: 27.7/38

asym_atr_avg_dit_correction_rms vs Slug



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4839.131+/-0.855 χ^2/NDF:878910.9/20

Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

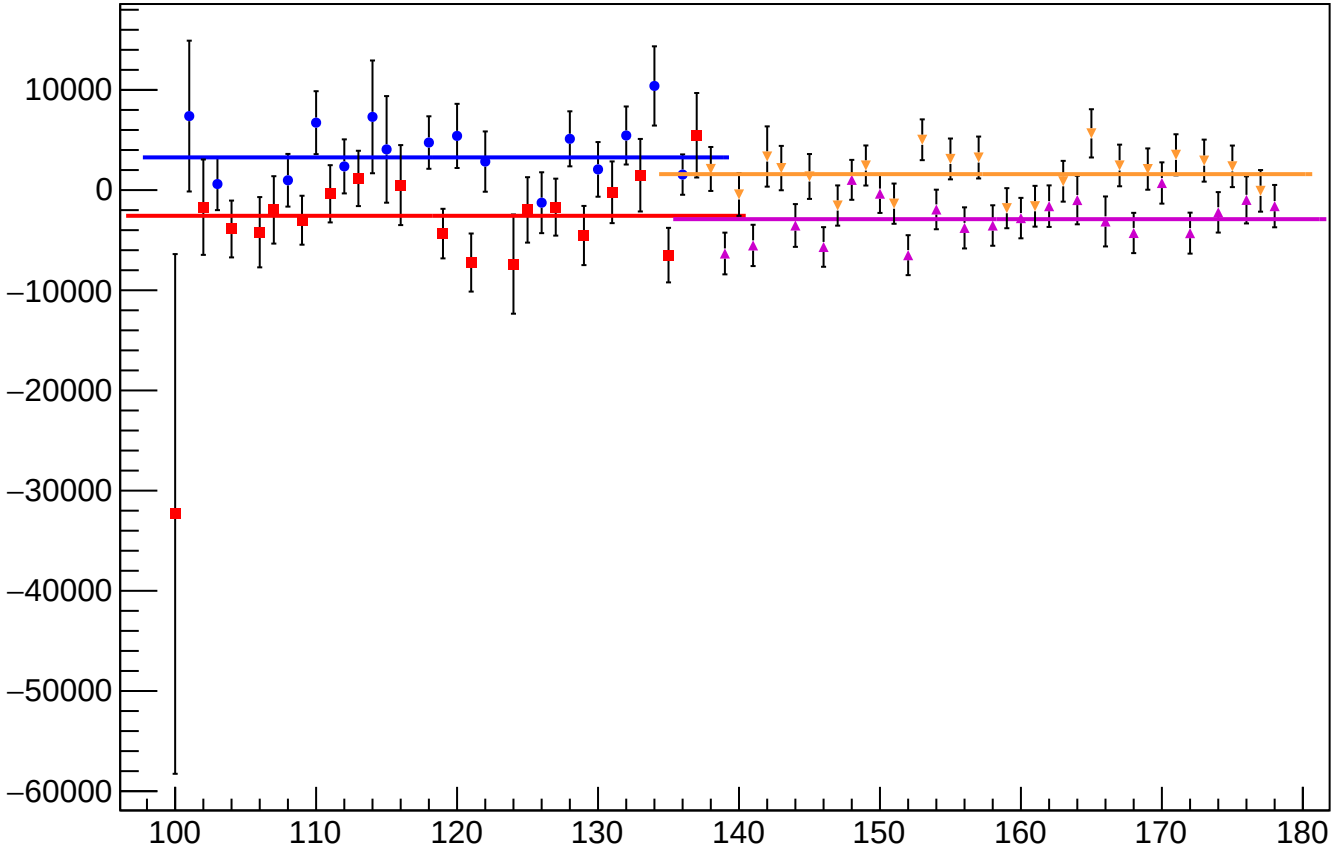
Left In: 4841.977+/-0.865 χ^2/NDF:1094990.2/19

+ sign 4706.944+/-0.695 χ^2/NDF: 1444124.6/36

All: 4435.287+/-0.472 χ^2/NDF: 6376009.1/75

- sign 4202.453+/-0.644 χ^2/NDF: 4648433.1/38

eigen_dit_asym_atr_avg_mean vs Slug



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1592.411+/-461.375 χ^2/NDF:20.8/20

Right Out: -2566.689+/-734.875 χ^2/NDF: 17.0/18

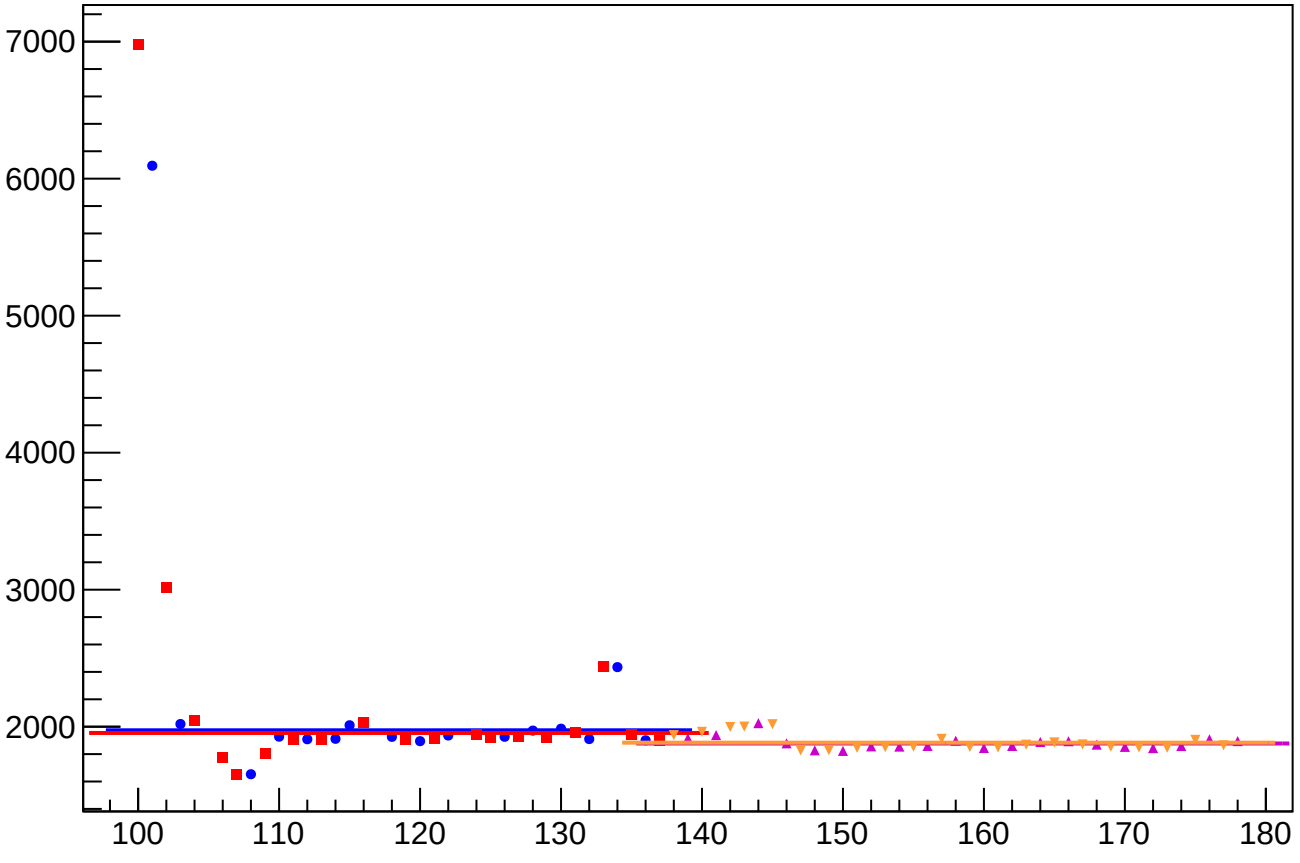
Left In: -2901.716+/-464.552 χ^2/NDF:22.0/19

+ sign 2050.734+/-393.096 χ^2/NDF: 36.6/36

All: -380.285+/-277.811 χ^2/NDF: 152.2/75

- sign -2806.060+/-392.672 χ^2/NDF: 39.1/38

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1883.522+/-0.326 χ^2/NDF:28102.3/20

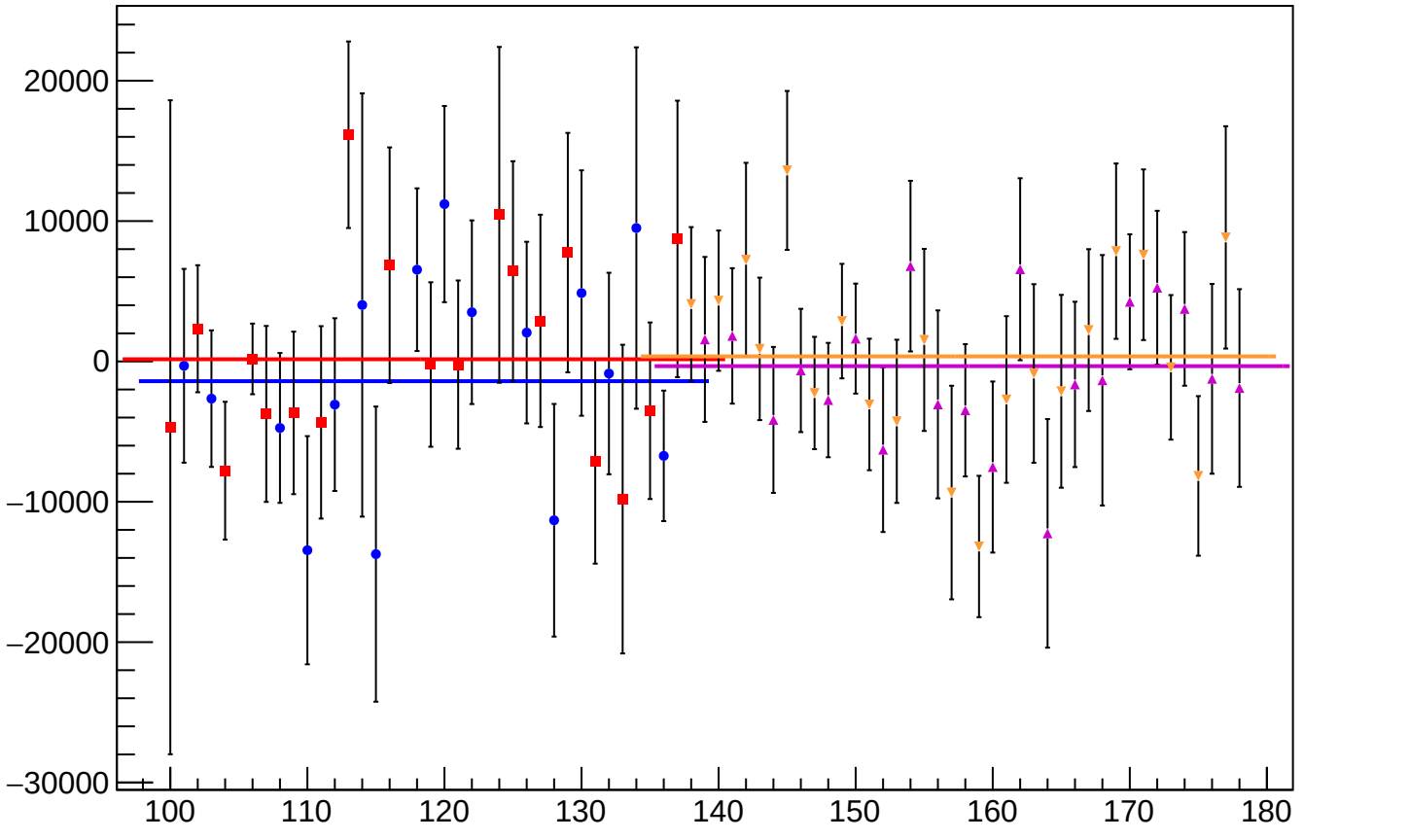
Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1877.564+/-0.328 χ^2/NDF:18105.7/19

+ sign 1908.251+/-0.278 χ^2/NDF: 714189.7/36

All: 1903.876+/-0.196 χ^2/NDF: 994617.1/75

- sign 1899.512+/-0.278 χ^2/NDF: 279932.5/38



Right In: -1407.363+/-1689.986 χ^2/NDF: 14.2/15

Left Out: 358.436+/-1209.130 χ^2/NDF:25.3/20

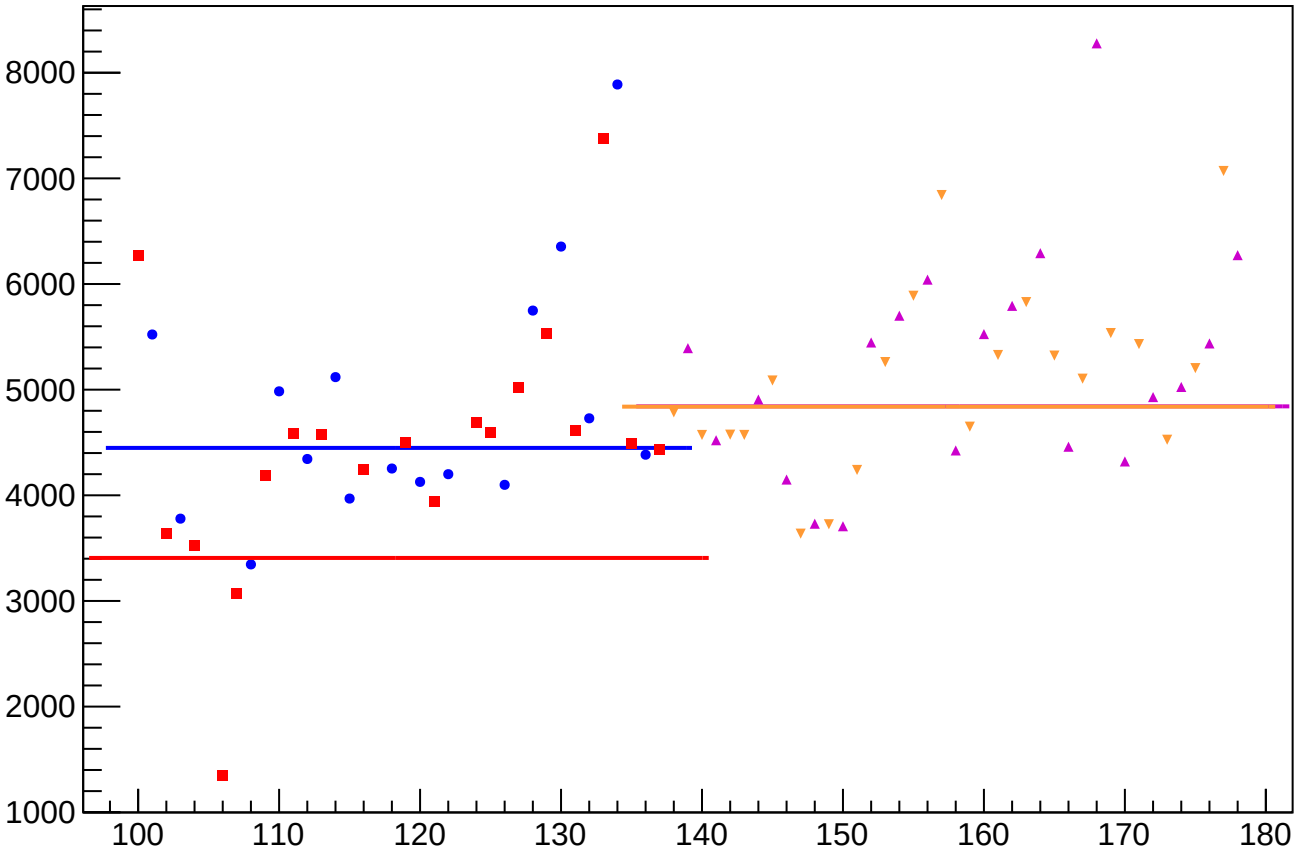
Right Out: 155.272+/-1363.639 χ^2/NDF: 15.8/18

Left In: -335.918+/-1222.805 χ^2/NDF:11.8/19

\+ sign -239.424+/-983.360 χ^2/NDF: 40.2/36

All: -173.496+/-668.050 χ^2/NDF: 67.9/75

\- sign -116.989+/-910.386 χ^2/NDF: 27.7/38



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4839.138+/-0.855 χ^2/NDF:878910.7/20

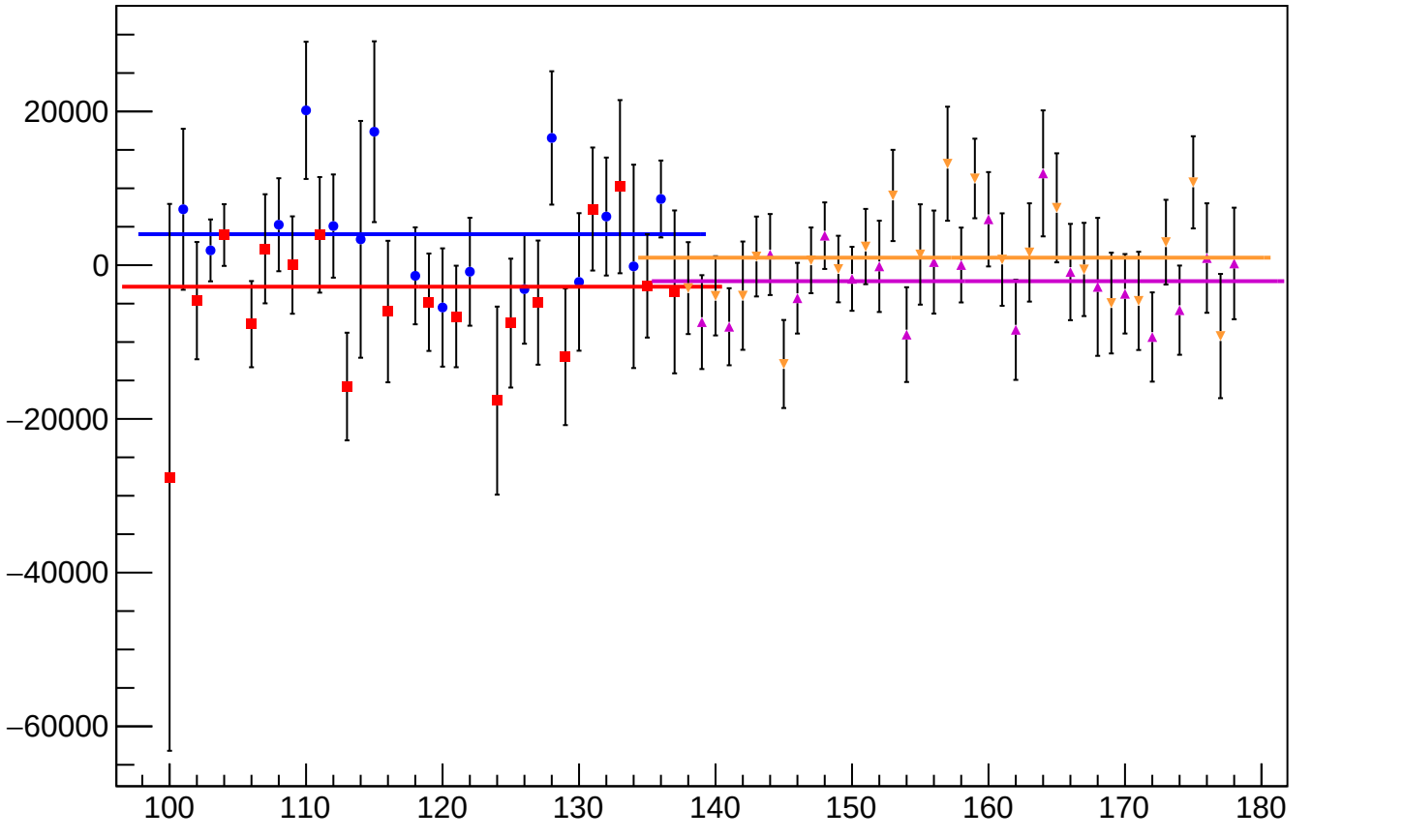
Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

Left In: 4841.984+/-0.865 χ^2/NDF:1094991.3/19

+ sign 4706.946+/-0.695 χ^2/NDF: 1444126.9/36

All: 4435.287+/-0.472 χ^2/NDF: 6376048.9/75

- sign 4202.451+/-0.644 χ^2/NDF: 4648465.8/38



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: 976.582+/-1256.612 χ^2/NDF:23.3/20

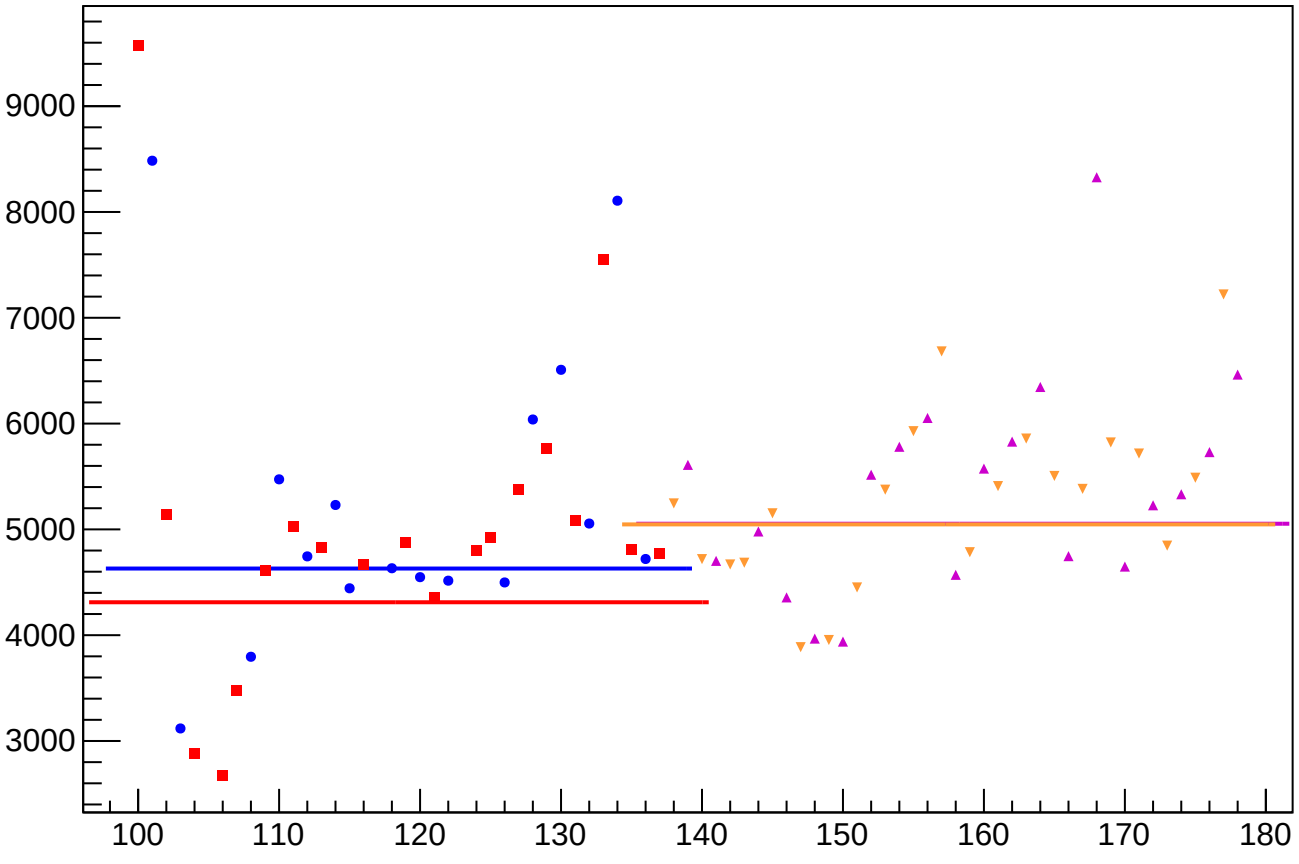
Right Out: -2800.547+/-1671.877 χ^2/NDF: 15.4/18

Left In: -2081.088+/-1271.731 χ^2/NDF:14.4/19

\+ sign 1992.164+/-1026.962 χ^2/NDF: 37.6/36

All: -207.748+/-720.890 χ^2/NDF: 76.6/75

\- sign -2344.790+/-1012.182 χ^2/NDF: 30.0/38



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 5047.147+/-0.889 χ^2/NDF:737600.7/20

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

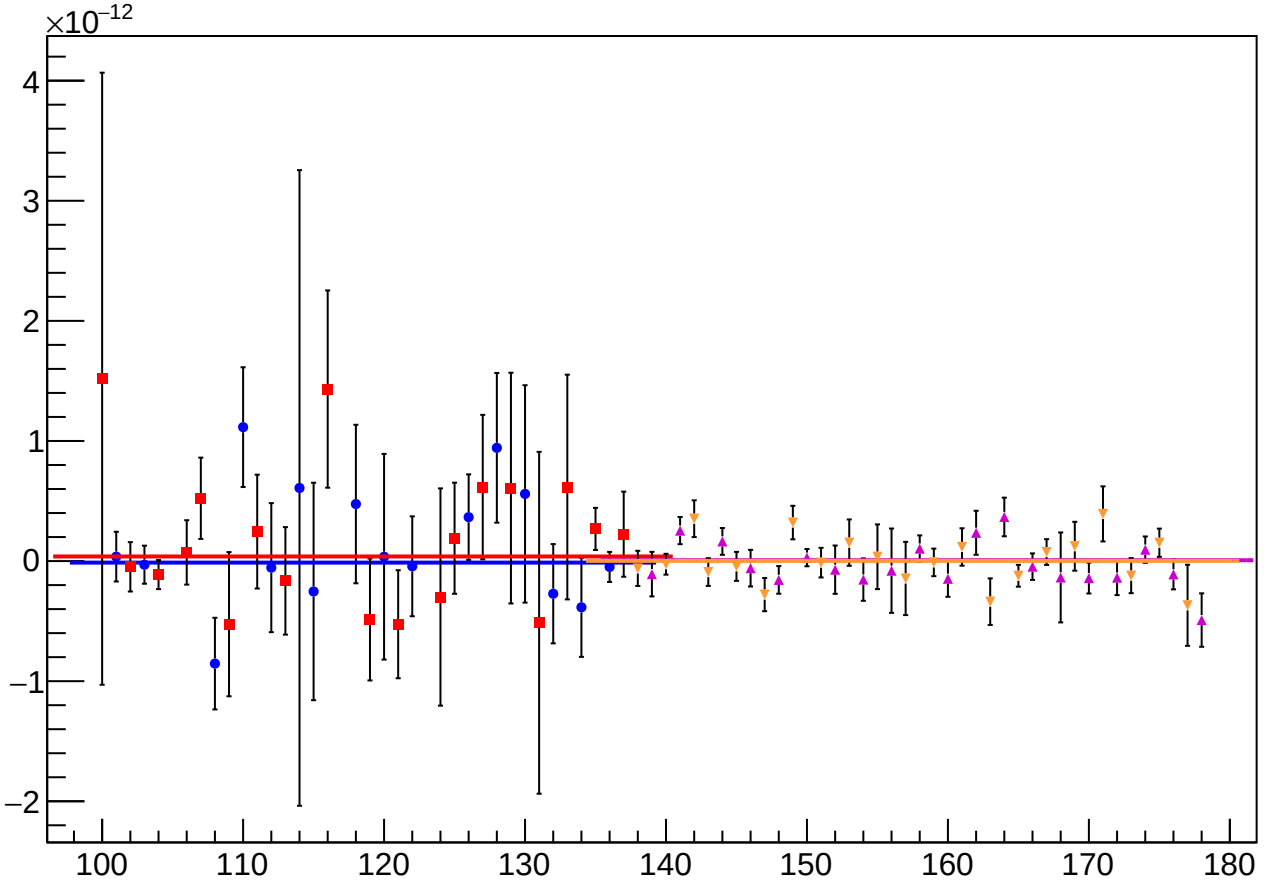
Left In: 5053.413+/-0.899 χ^2/NDF:921527.9/19

+ sign 4908.598+/-0.726 χ^2/NDF: 1711054.0/36

All: 4842.334+/-0.509 χ^2/NDF: 3806118.5/75

- sign 4778.375+/-0.713 χ^2/NDF: 2078700.6/38

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:29.4/20

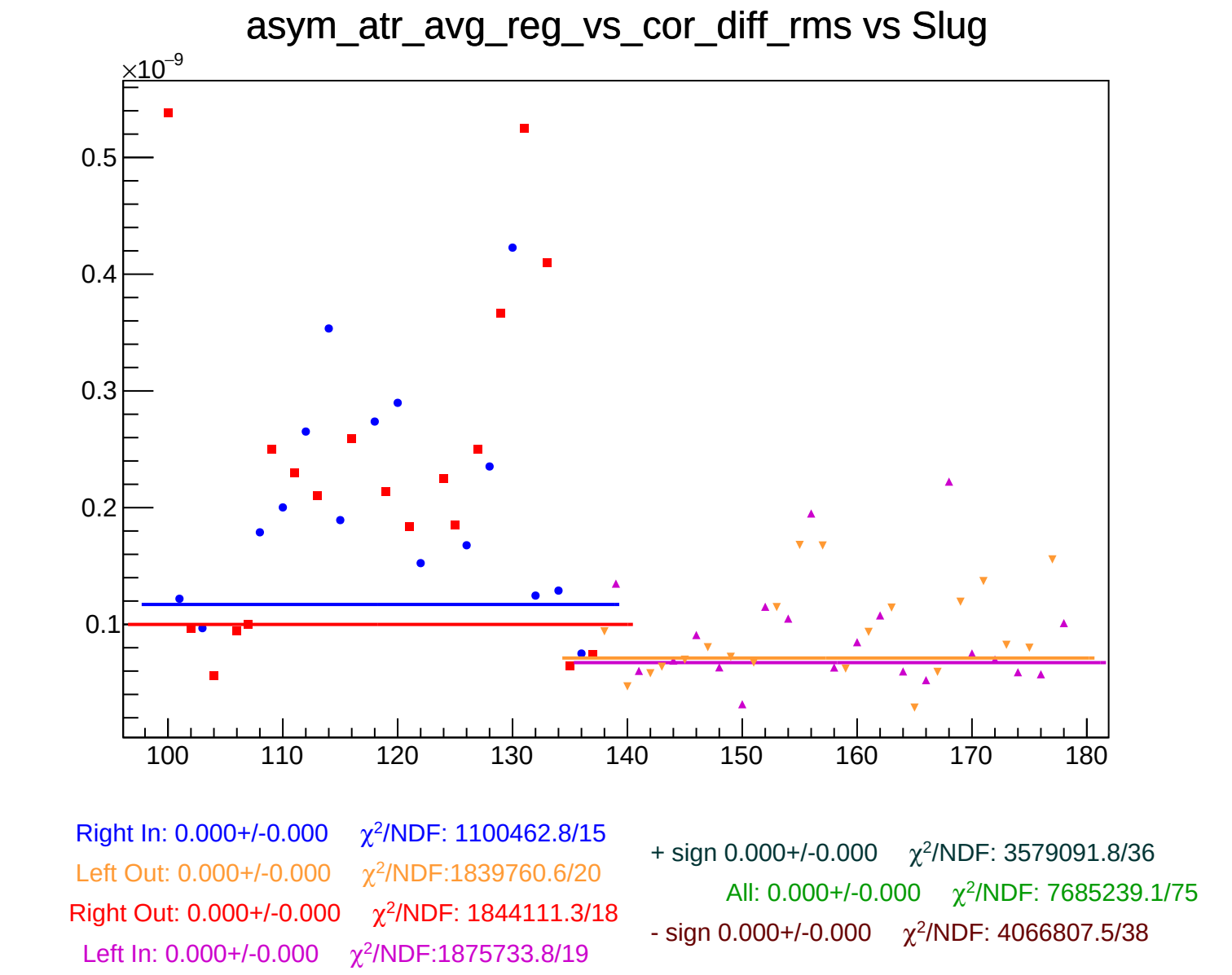
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:28.1/19

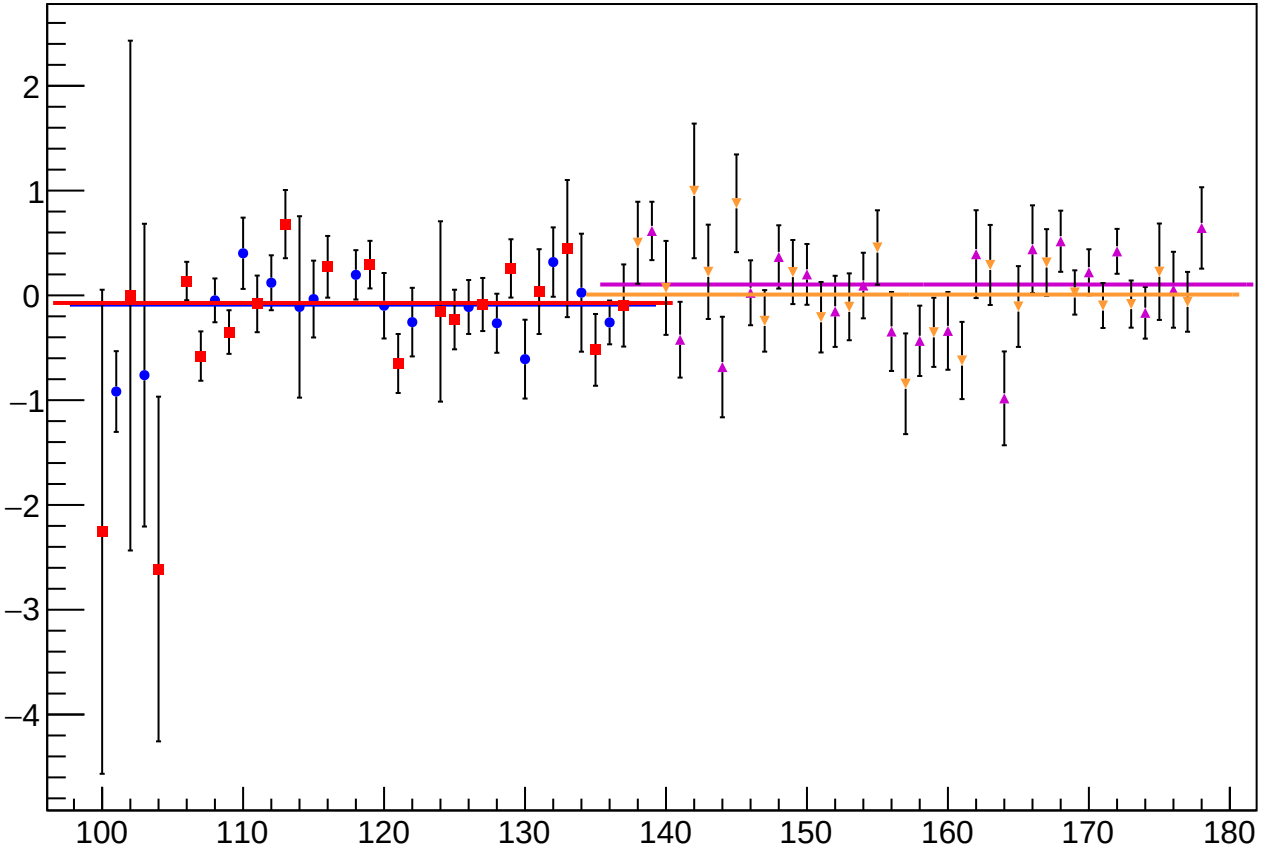
+ sign 0.000+/-0.000 χ^2/NDF: 45.3/36

All: 0.000+/-0.000 χ^2/NDF: 88.6/75

- sign 0.000+/-0.000 χ^2/NDF: 43.3/38


asym_atr_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1100462.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1839760.6/20
Right Out: 0.000+/-0.000 χ²/NDF: 1844111.3/18
Left In: 0.000+/-0.000 χ²/NDF:1875733.8/19
+ sign 0.000+/-0.000 χ²/NDF: 3579091.8/36
All: 0.000+/-0.000 χ²/NDF: 7685239.1/75
- sign 0.000+/-0.000 χ²/NDF: 4066807.5/38

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.008+/-0.071 χ^2/NDF:20.6/20

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

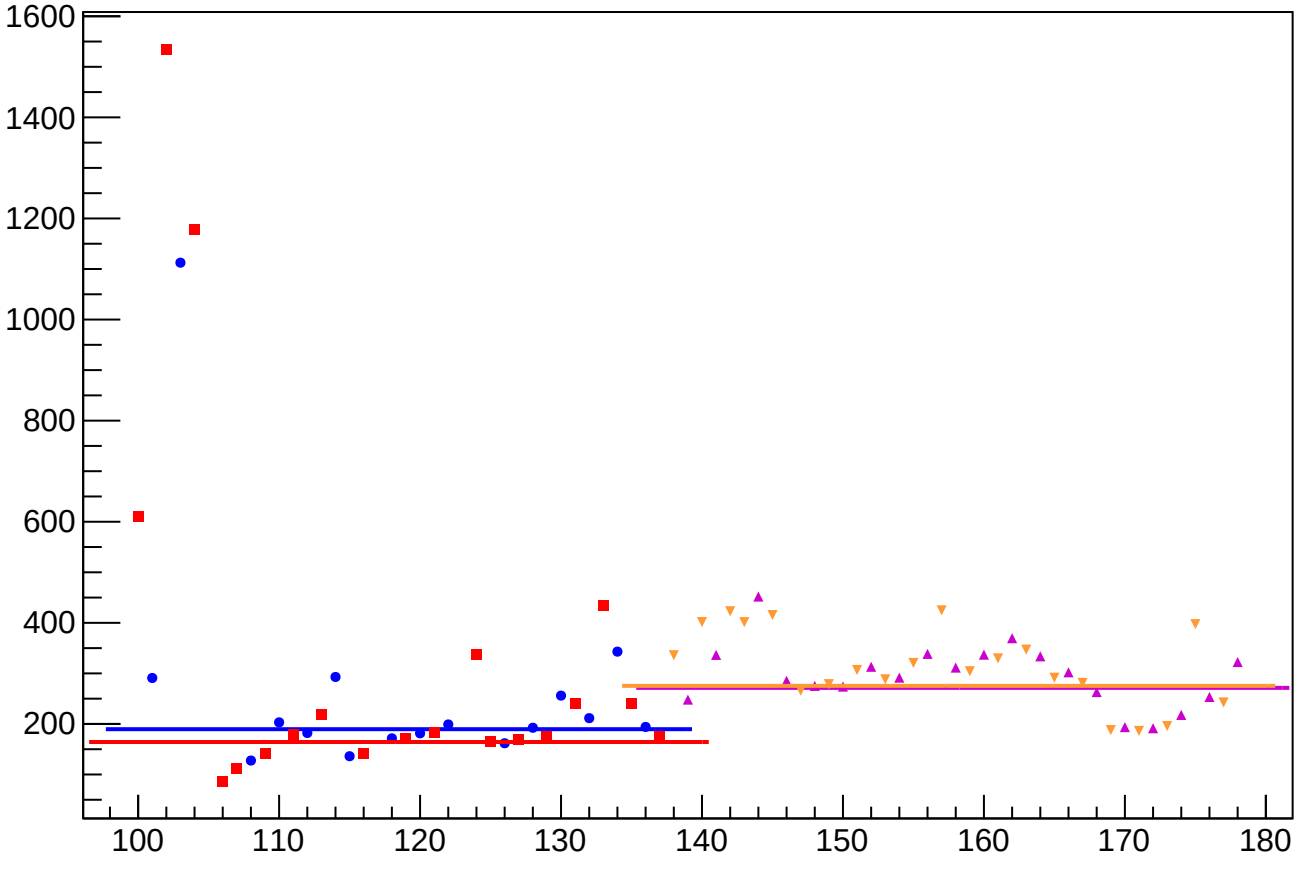
Left In: 0.104+/-0.070 χ^2/NDF:29.7/19

+ sign -0.036+/-0.052 χ^2/NDF: 35.3/36

All: -0.009+/-0.036 χ^2/NDF: 97.3/75

- sign 0.015+/-0.050 χ^2/NDF: 61.5/38

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 275.372+/-0.050 χ^2/NDF:2137604.8/20

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

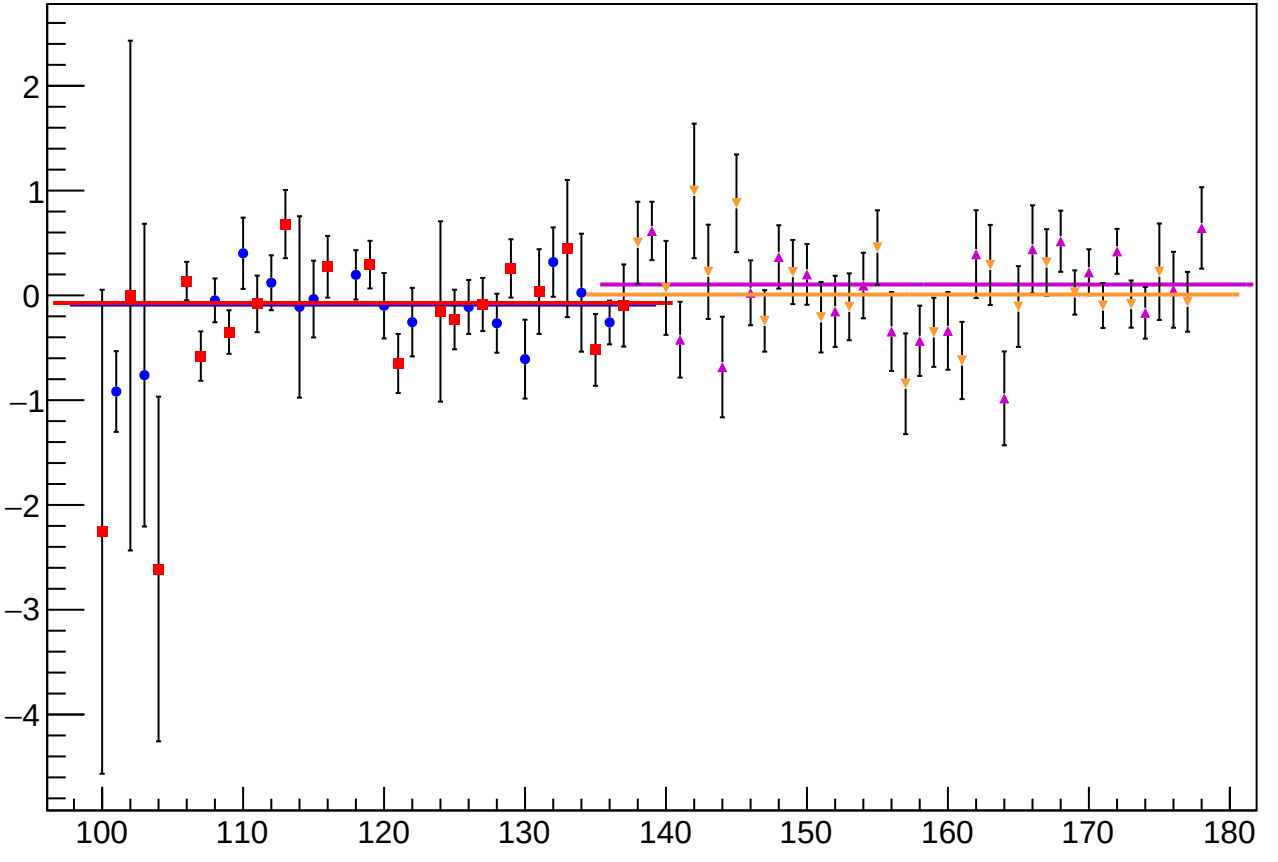
Left In: 271.378+/-0.050 χ^2/NDF:1384317.8/19

+ sign 235.757+/-0.037 χ^2/NDF: 4945334.8/36

All: 226.183+/-0.025 χ^2/NDF: 11427074.2/75

- sign 217.513+/-0.035 χ^2/NDF: 6353439.4/38

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: 0.008+/-0.071 χ^2/NDF:20.6/20

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

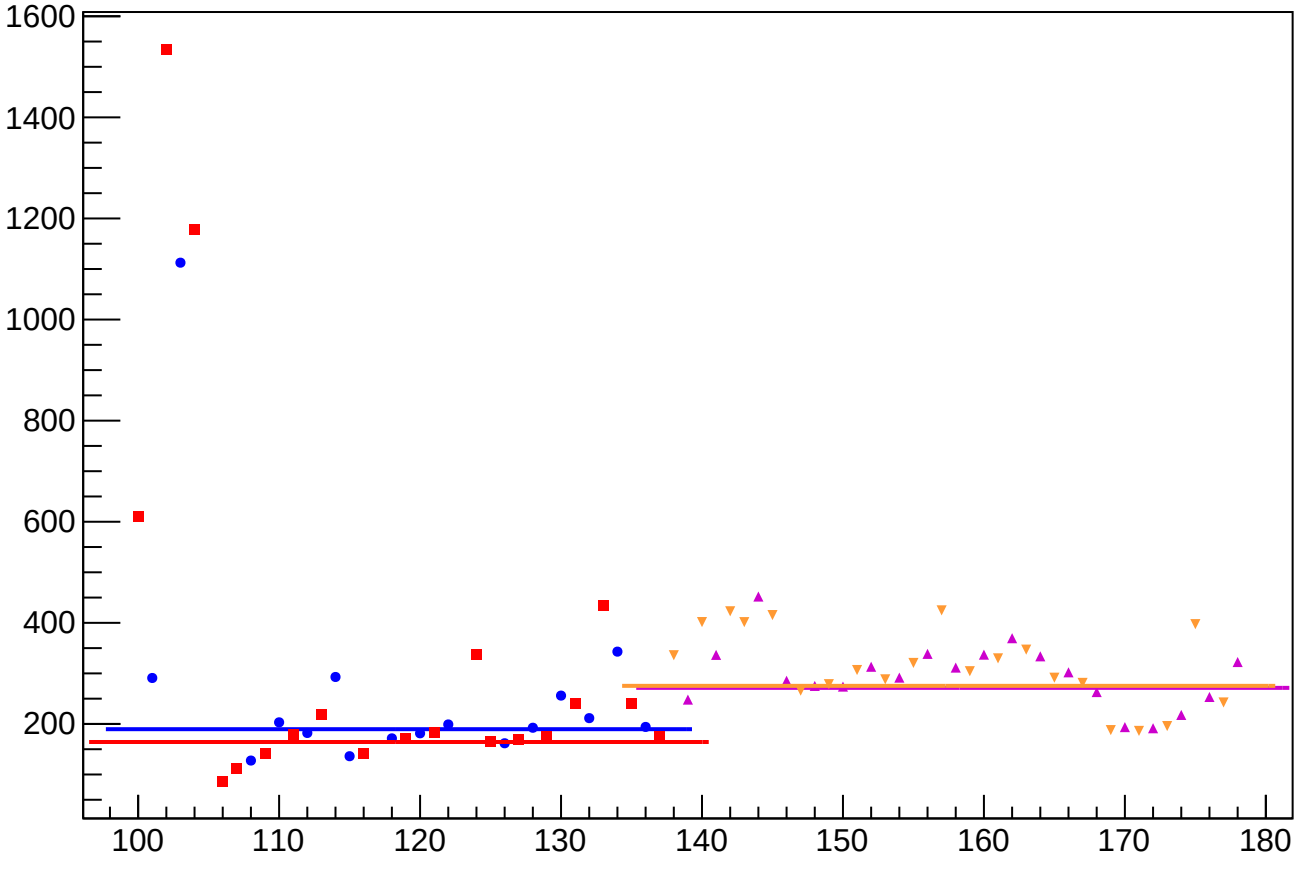
Left In: 0.104+/-0.070 χ^2/NDF:29.7/19

+ sign -0.036+/-0.052 χ^2/NDF: 35.3/36

All: -0.009+/-0.036 χ^2/NDF: 97.3/75

- sign 0.015+/-0.050 χ^2/NDF: 61.5/38

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: 275.372+/-0.050 χ^2/NDF:2137604.8/20

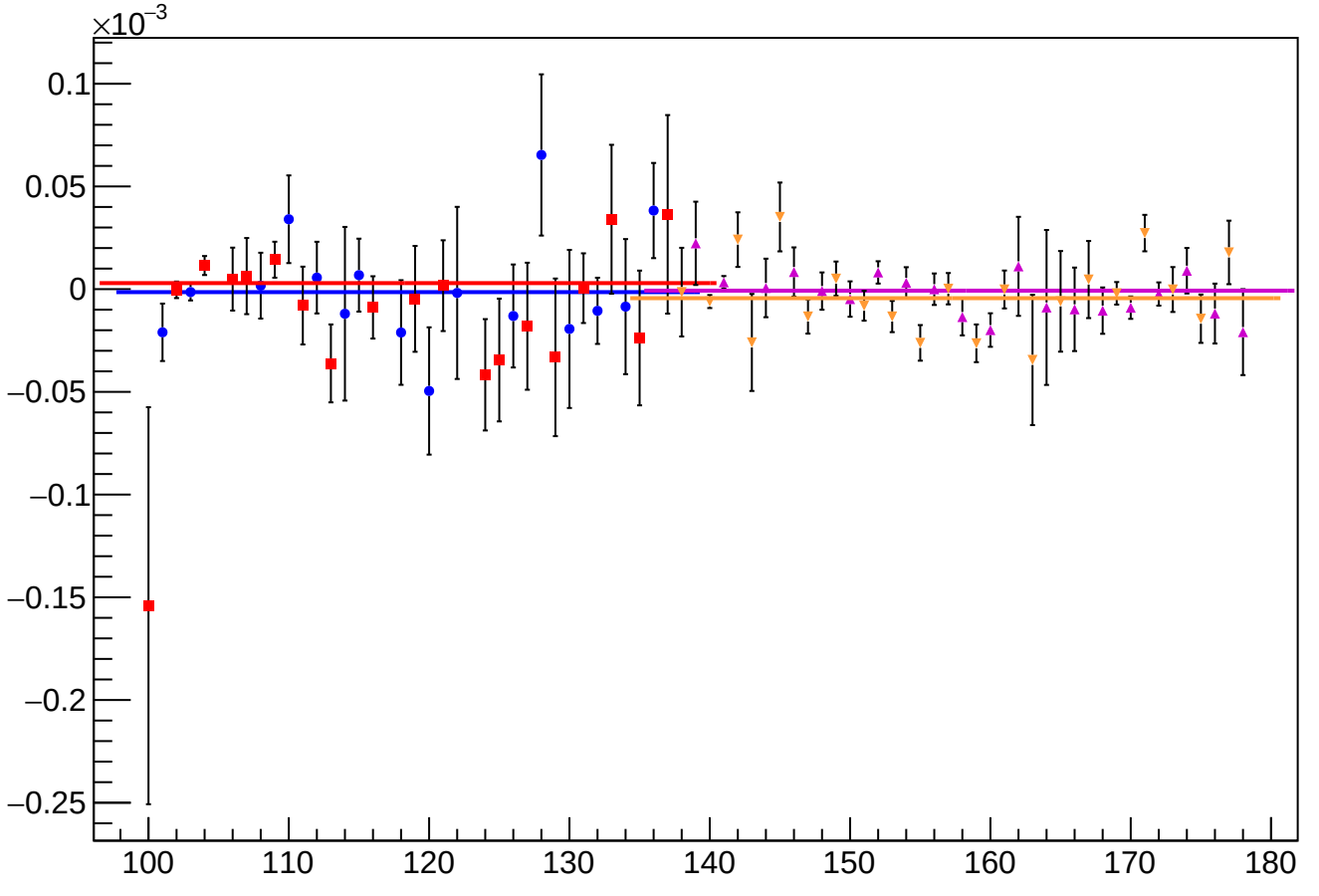
Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 271.378+/-0.050 χ^2/NDF:1384317.8/19

+ sign 235.757+/-0.037 χ^2/NDF: 4945334.8/36

All: 226.183+/-0.025 χ^2/NDF: 11427074.2/75

- sign 217.513+/-0.035 χ^2/NDF: 6353439.4/38



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:45.0/20

Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

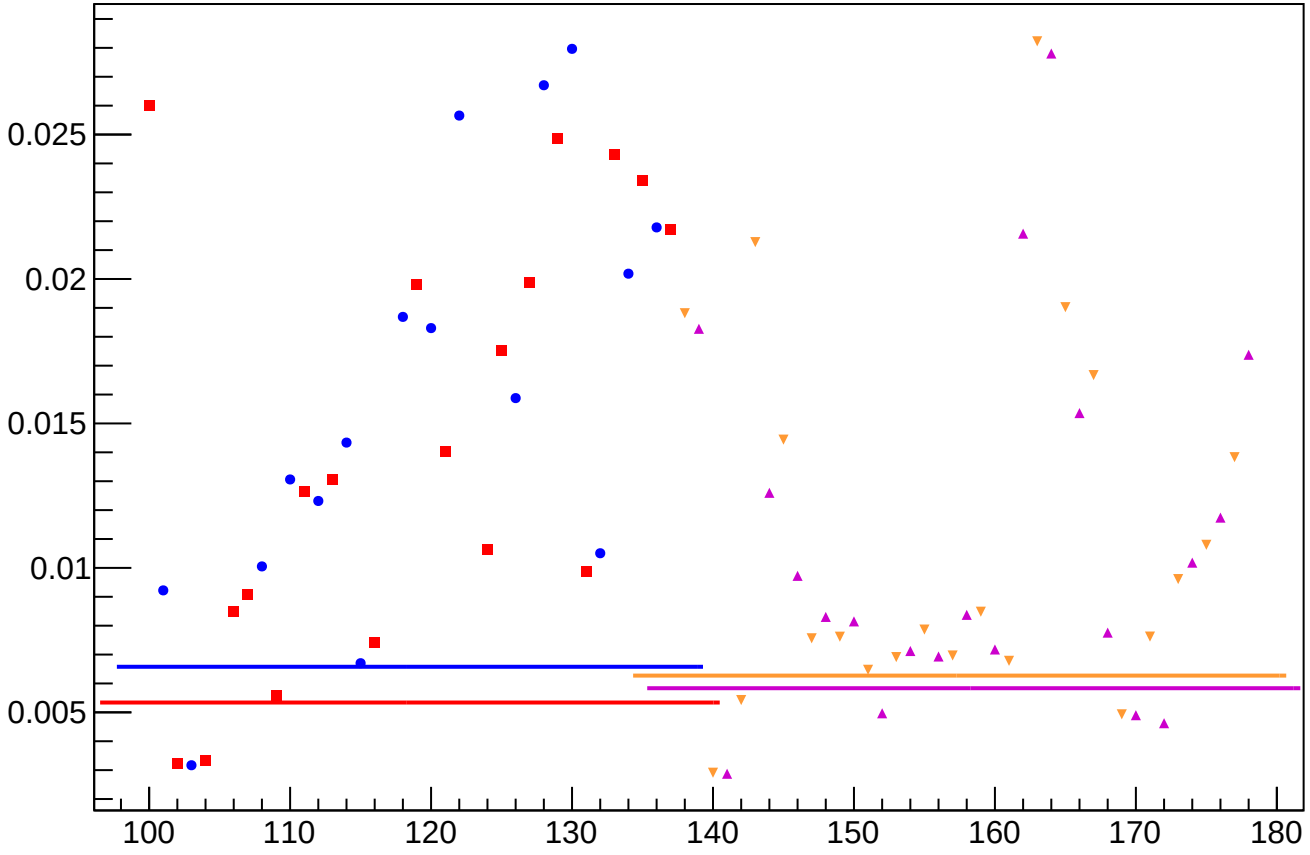
Left In: -0.000+/-0.000 χ^2/NDF:20.3/19

+ sign -0.000+/-0.000 χ^2/NDF: 60.4/36

All: -0.000+/-0.000 χ^2/NDF: 107.1/75

- sign 0.000+/-0.000 χ^2/NDF: 43.0/38

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: 0.006+/-0.000 χ^2/NDF:7772850.2/20

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

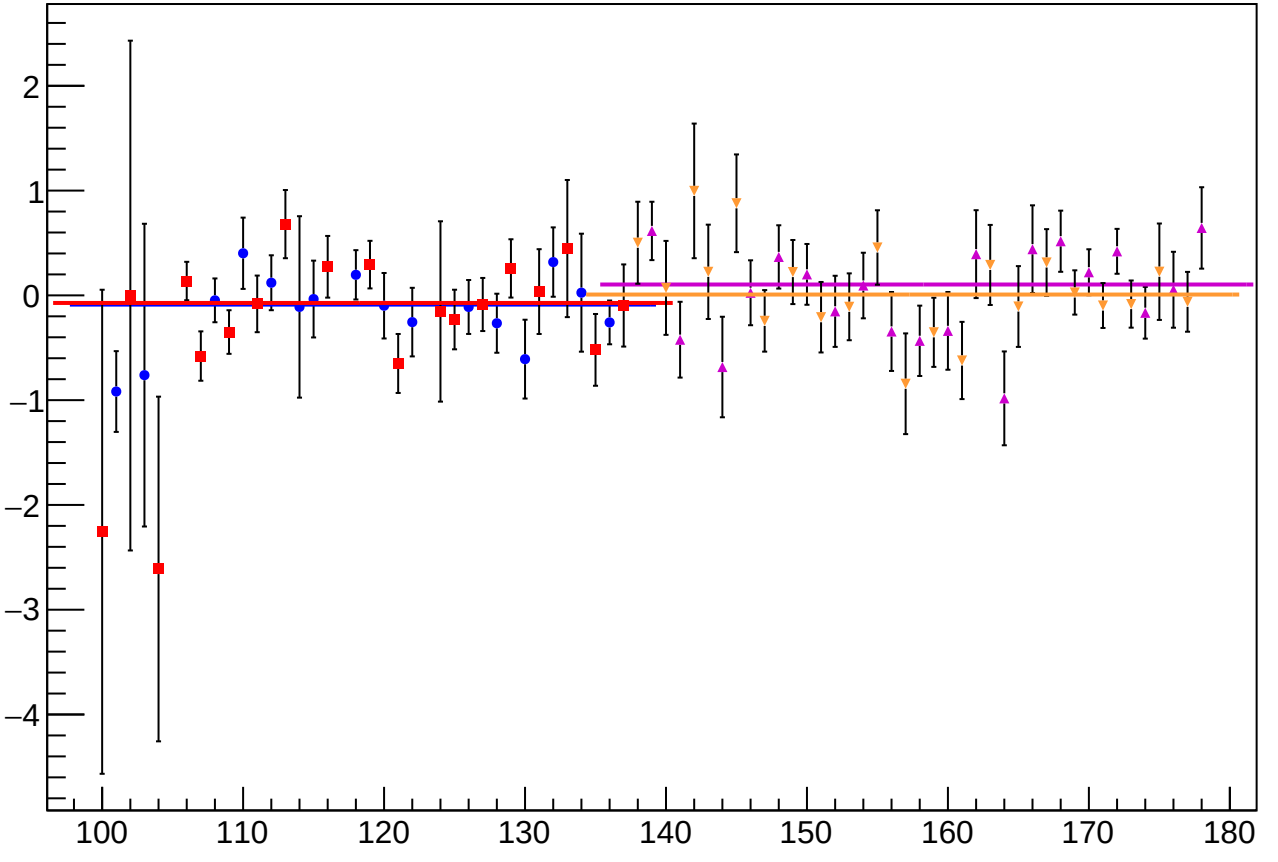
Left In: 0.006+/-0.000 χ^2/NDF:7369717.3/19

+ sign 0.006+/-0.000 χ^2/NDF: 13713931.5/36

All: 0.006+/-0.000 χ^2/NDF: 27011719.1/75

- sign 0.006+/-0.000 χ^2/NDF: 13106949.7/38

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: 0.008+/-0.071 χ^2/NDF:20.6/20

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

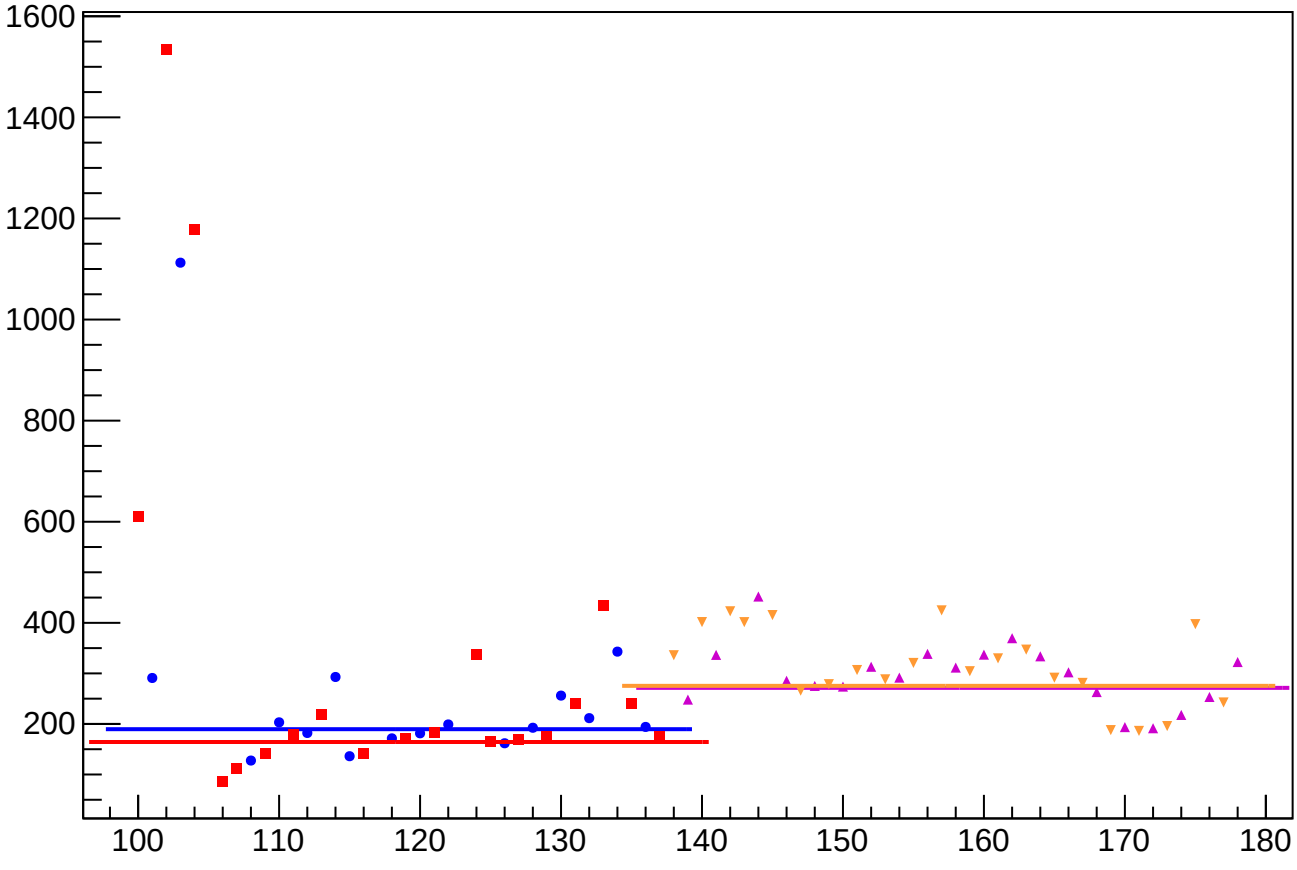
Left In: 0.104+/-0.070 χ^2/NDF:29.7/19

+ sign -0.036+/-0.052 χ^2/NDF: 35.3/36

All: -0.009+/-0.036 χ^2/NDF: 97.3/75

- sign 0.015+/-0.050 χ^2/NDF: 61.5/38

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: 275.374+/-0.050 χ^2/NDF:2137685.2/20

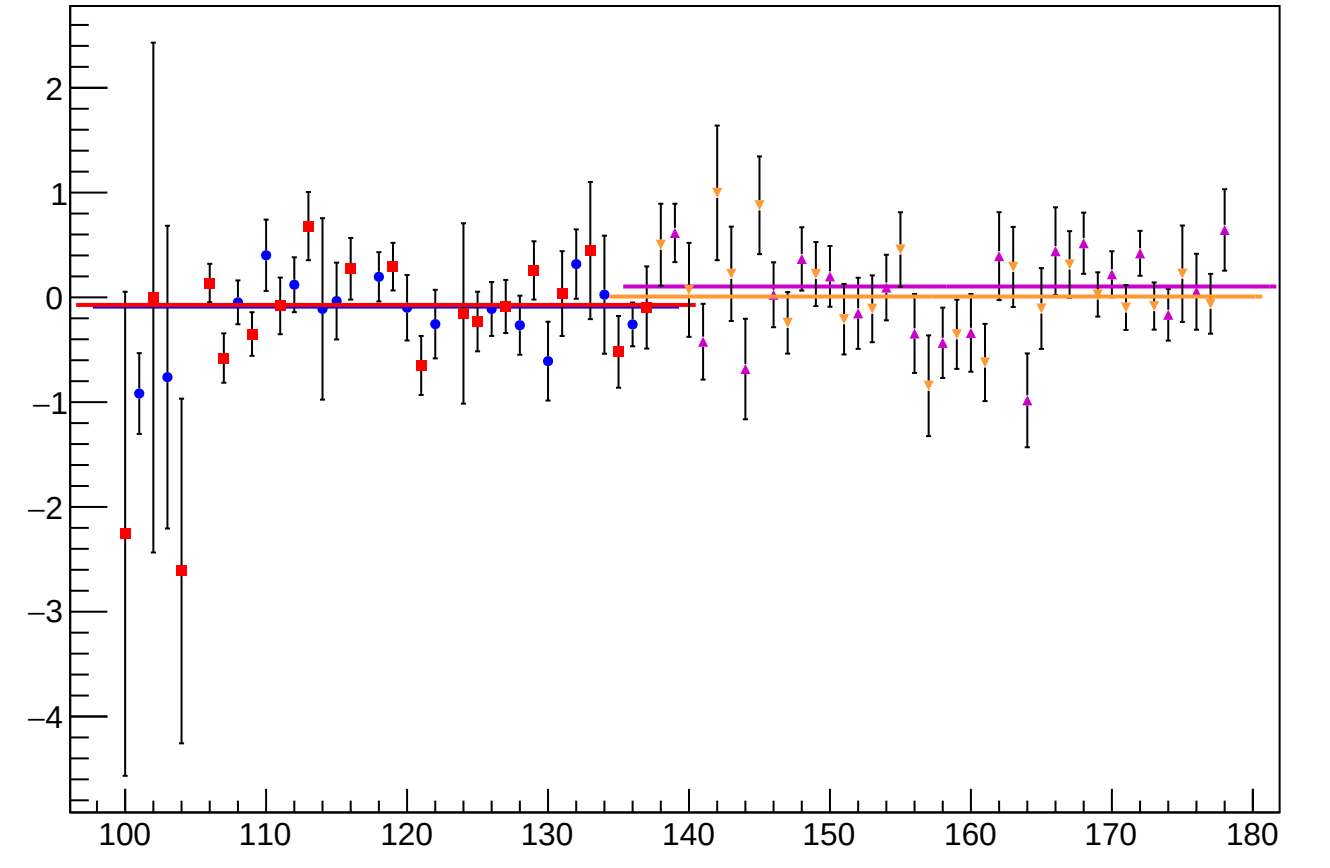
Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 271.381+/-0.050 χ^2/NDF:1384370.4/19

+ sign 235.757+/-0.037 χ^2/NDF: 4945497.9/36

All: 226.183+/-0.025 χ^2/NDF: 11427400.9/75

- sign 217.513+/-0.035 χ^2/NDF: 6353598.3/38



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.008+/-0.071 χ^2/NDF:20.6/20

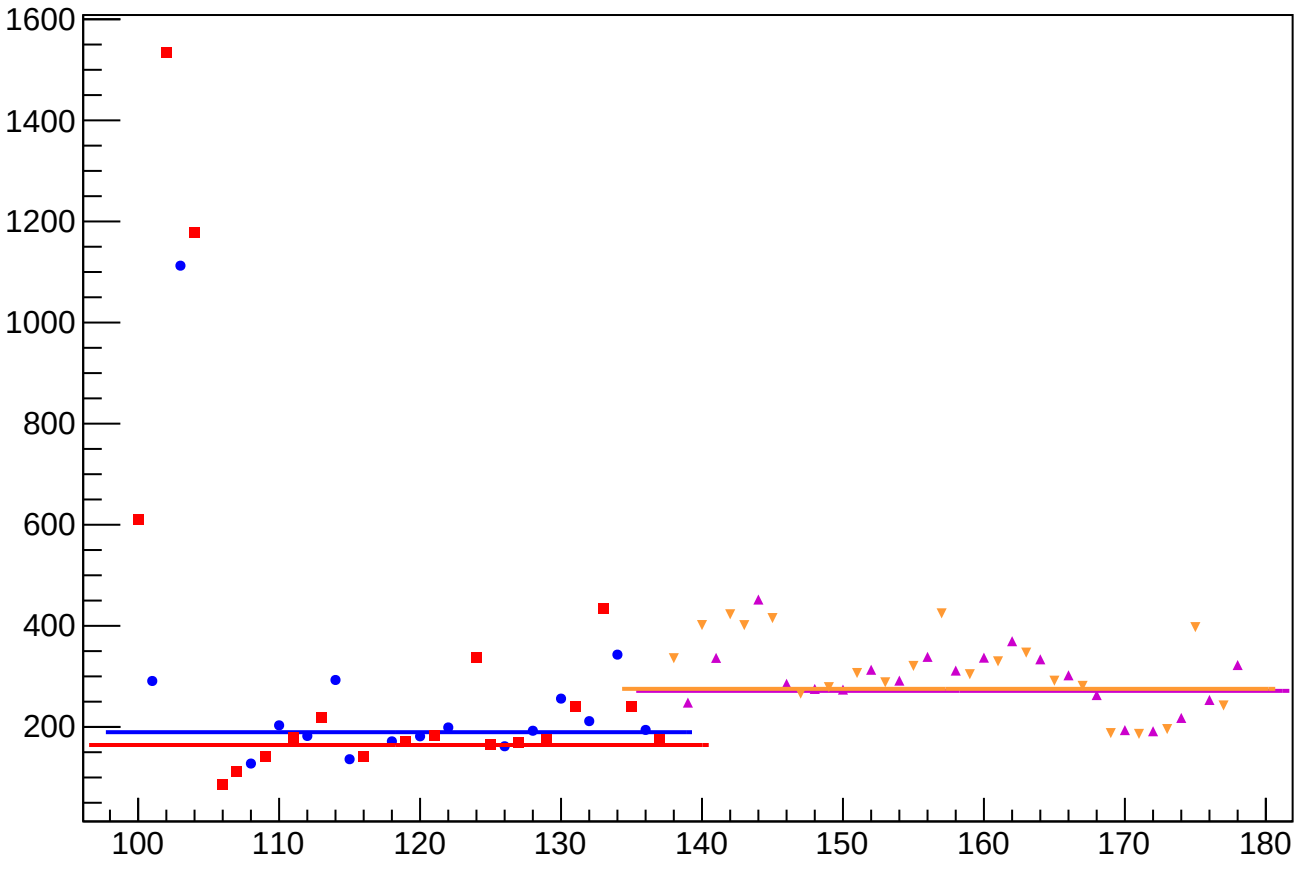
Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

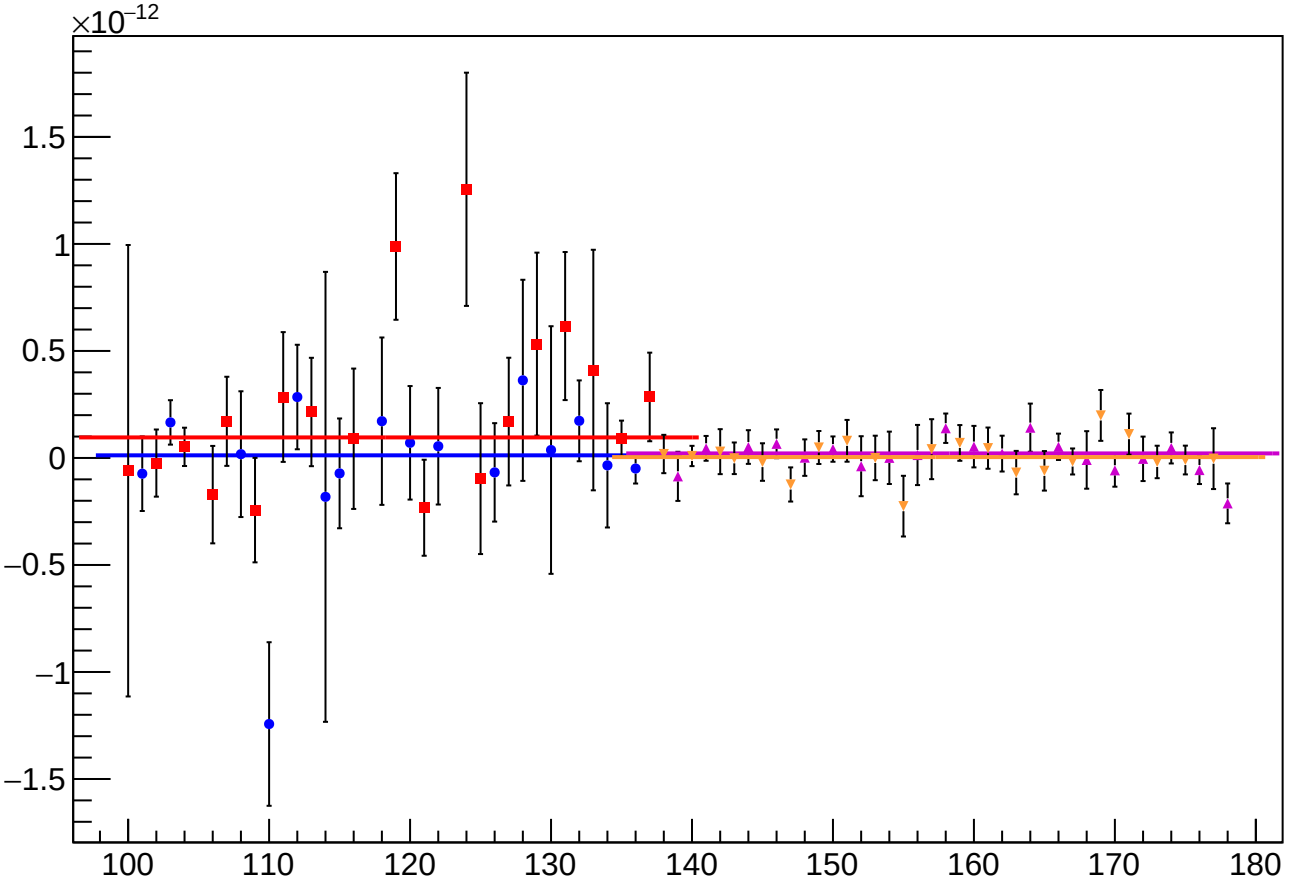
Left In: 0.104+/-0.070 χ^2/NDF:29.7/19

+ sign -0.036+/-0.052 χ^2/NDF: 35.3/36

All: -0.009+/-0.036 χ^2/NDF: 97.3/75

- sign 0.015+/-0.050 χ^2/NDF: 61.5/38


asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1600
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
Right In: 189.628+/-0.054 χ²/NDF: 1465464.1/15
Left Out: 275.374+/-0.050 χ²/NDF:2137685.2/20
Right Out: 164.286+/-0.050 χ²/NDF: 2643465.6/18
Left In: 271.381+/-0.050 χ²/NDF:1384370.4/19
+ sign 235.757+/-0.037 χ²/NDF: 4945497.9/36
All: 226.183+/-0.025 χ²/NDF: 11427400.9/75
- sign 217.513+/-0.035 χ²/NDF: 6353598.3/38



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

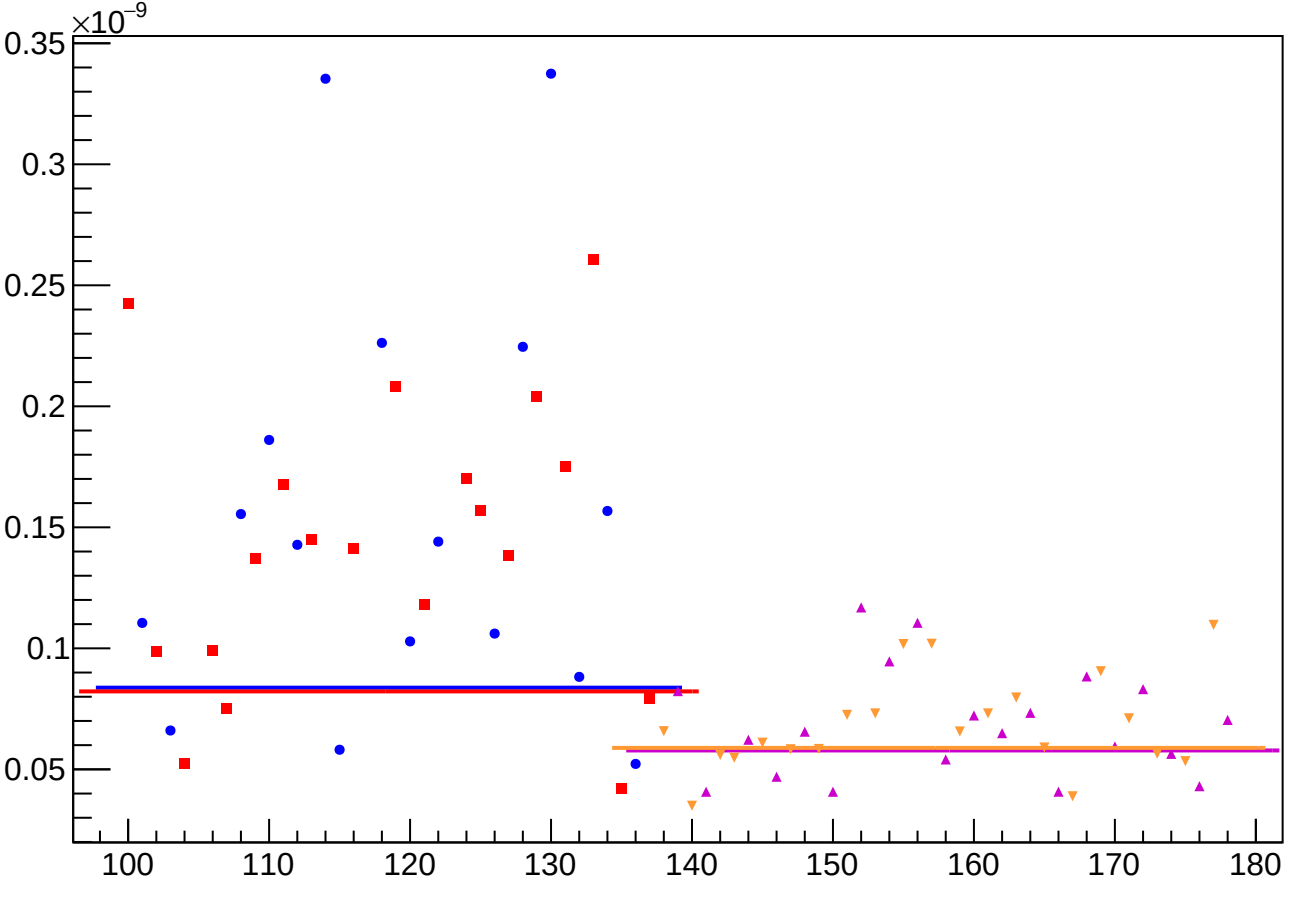
Left In: 0.000+/-0.000 χ^2/NDF:15.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 29.5/36

All: 0.000+/-0.000 χ^2/NDF: 71.7/75

- sign 0.000+/-0.000 χ^2/NDF: 41.0/38

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:1781362.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

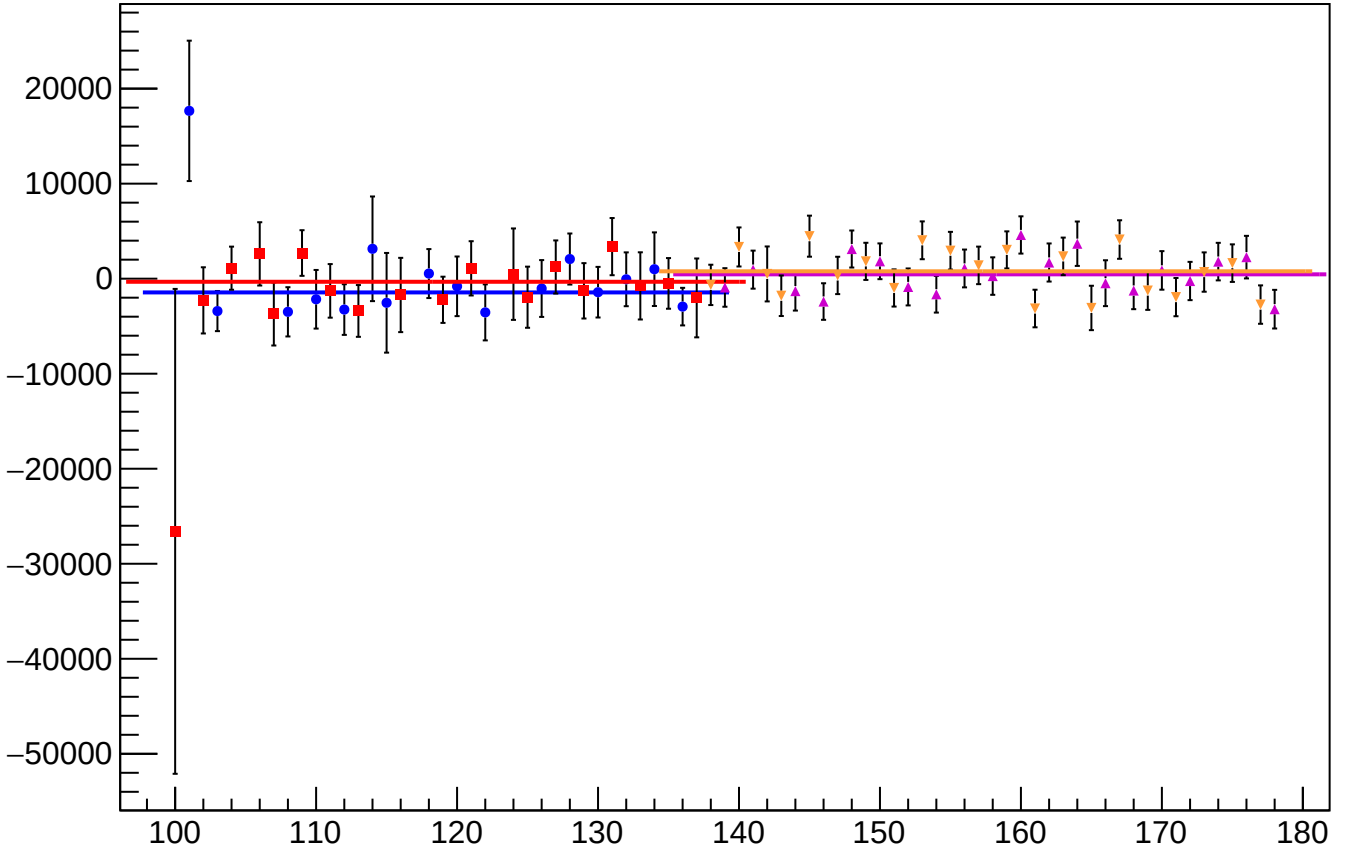
Left In: 0.000+/-0.000 χ^2/NDF:1942811.2/19

+ sign 0.000+/-0.000 χ^2/NDF: 4403398.3/36

All: 0.000+/-0.000 χ^2/NDF: 9132134.1/75

- sign 0.000+/-0.000 χ^2/NDF: 4724742.0/38

reg_asym_atr_dd_mean vs Slug



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 776.276+/-448.029 χ^2/NDF:28.9/20

Right Out: -325.908+/-702.648 χ^2/NDF: 9.9/18

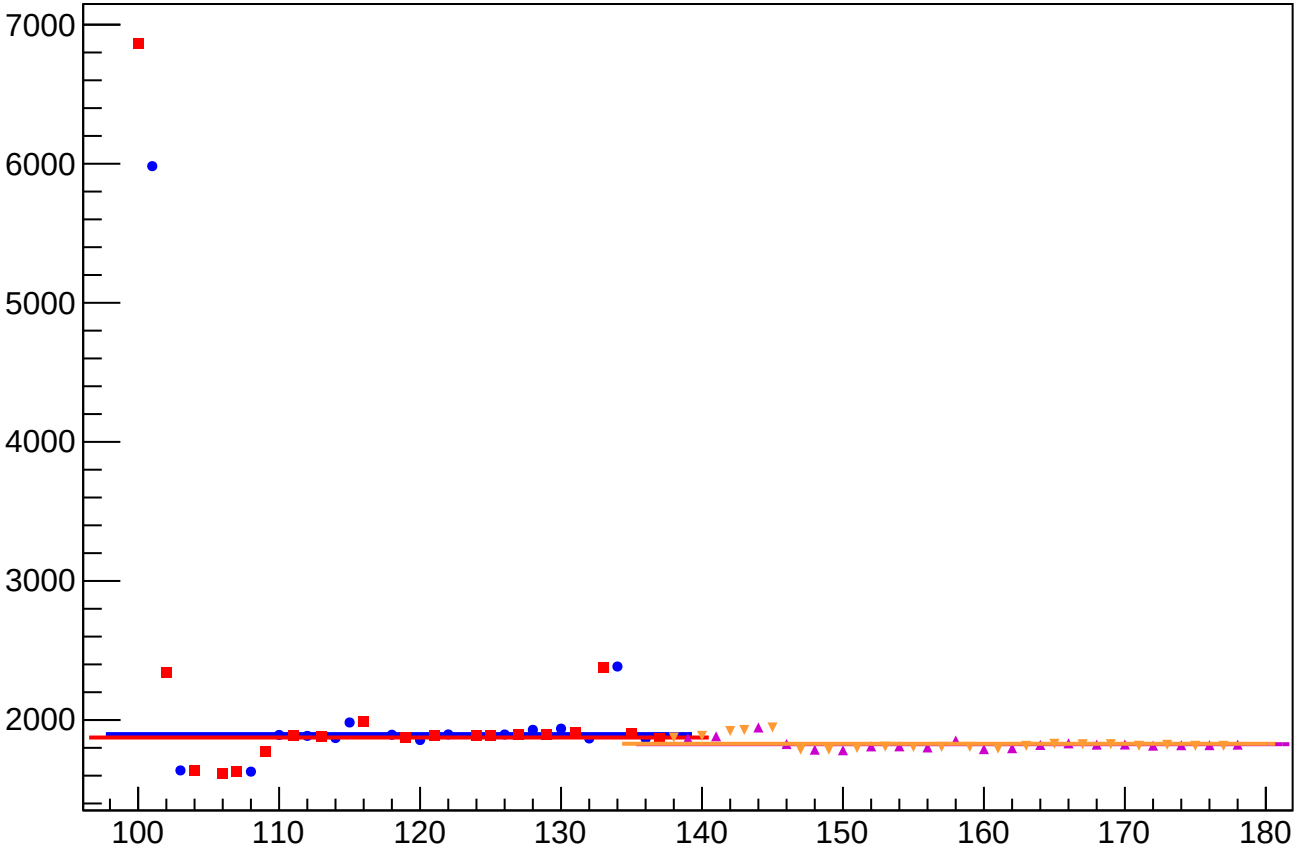
Left In: 456.553+/-451.765 χ^2/NDF:19.8/19

+ sign 159.708+/-380.856 χ^2/NDF: 49.2/36

All: 193.781+/-269.003 χ^2/NDF: 79.8/75

- sign 227.702+/-380.000 χ^2/NDF: 30.6/38

reg_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1829.420+/-0.317 χ^2/NDF:19108.1/20

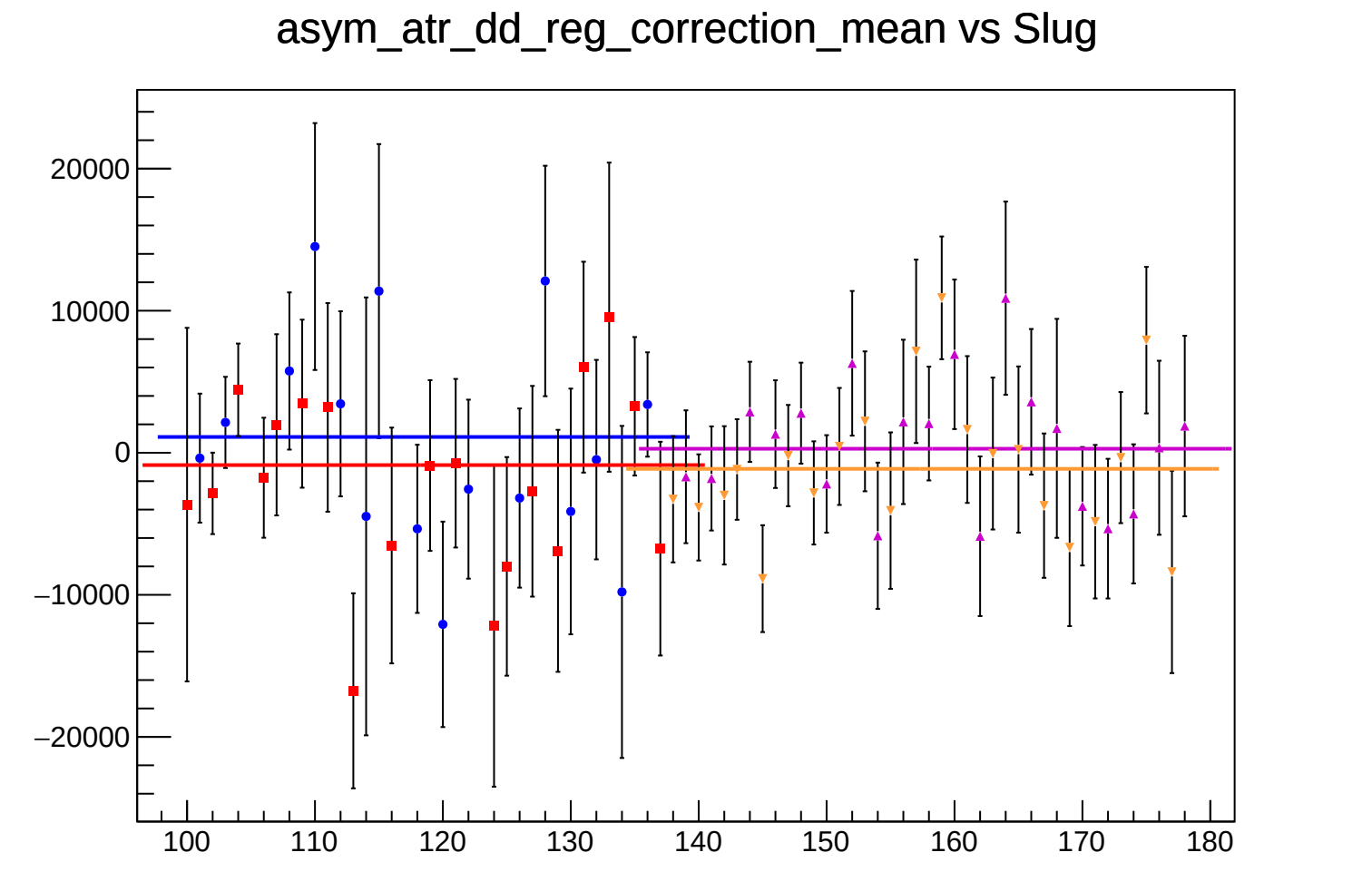
Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1826.139+/-0.319 χ^2/NDF:13275.4/19

+ sign 1848.672+/-0.269 χ^2/NDF: 729935.7/36

All: 1844.461+/-0.190 χ^2/NDF: 958022.5/75

- sign 1840.278+/-0.268 χ^2/NDF: 227599.5/38



Right In: 1112.704+/-1479.265 χ^2/NDF: 13.4/15

Left Out: -1132.990+/-1004.238 χ^2/NDF:22.0/20

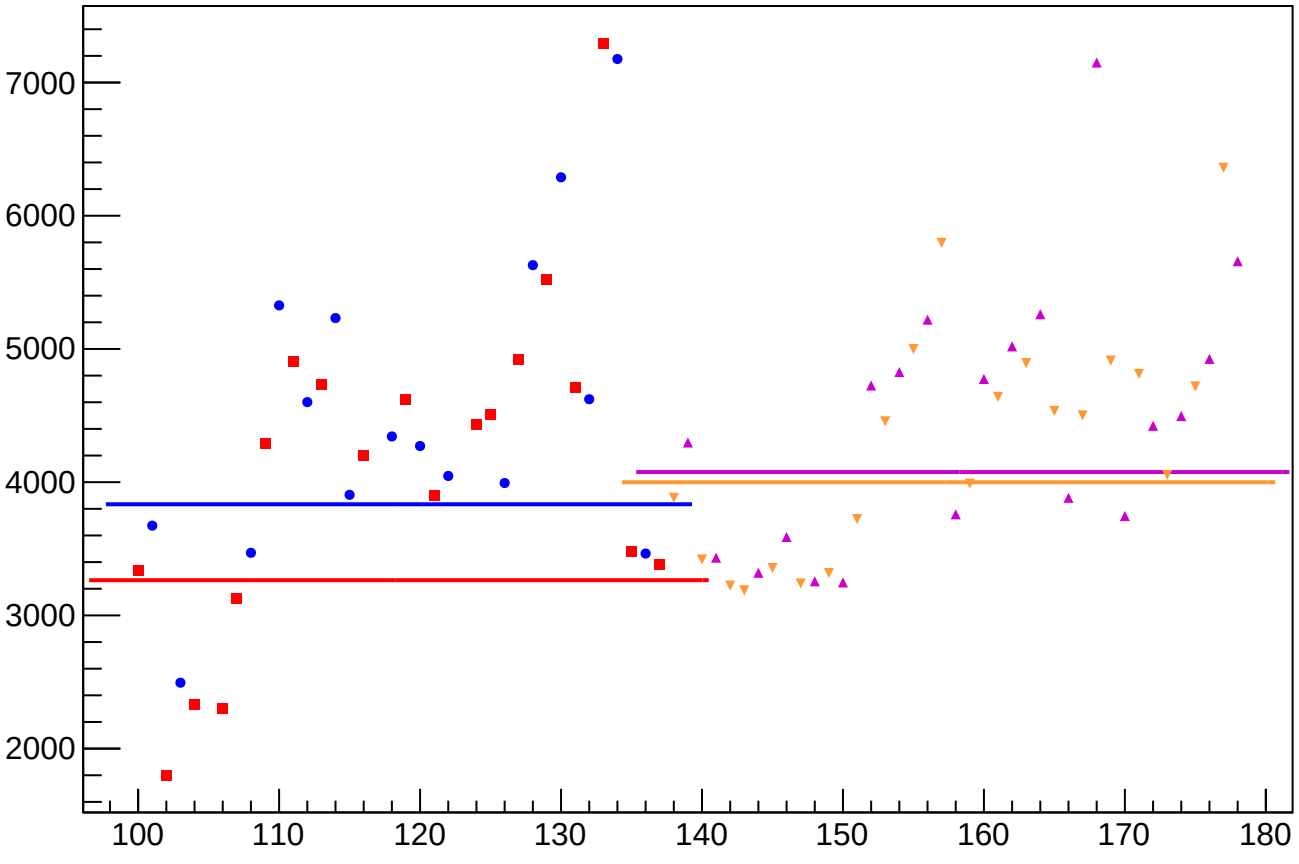
Right Out: -866.976+/-1307.223 χ^2/NDF: 15.6/18

Left In: 282.027+/-1031.876 χ^2/NDF:14.1/19

\+ sign -424.523+/-830.865 χ^2/NDF: 36.9/36

All: -288.412+/-579.972 χ^2/NDF: 67.2/75

\- sign -159.068+/-809.944 χ^2/NDF: 30.2/38



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 3999.729+/-0.710 χ^2/NDF:1153939.9/20

Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

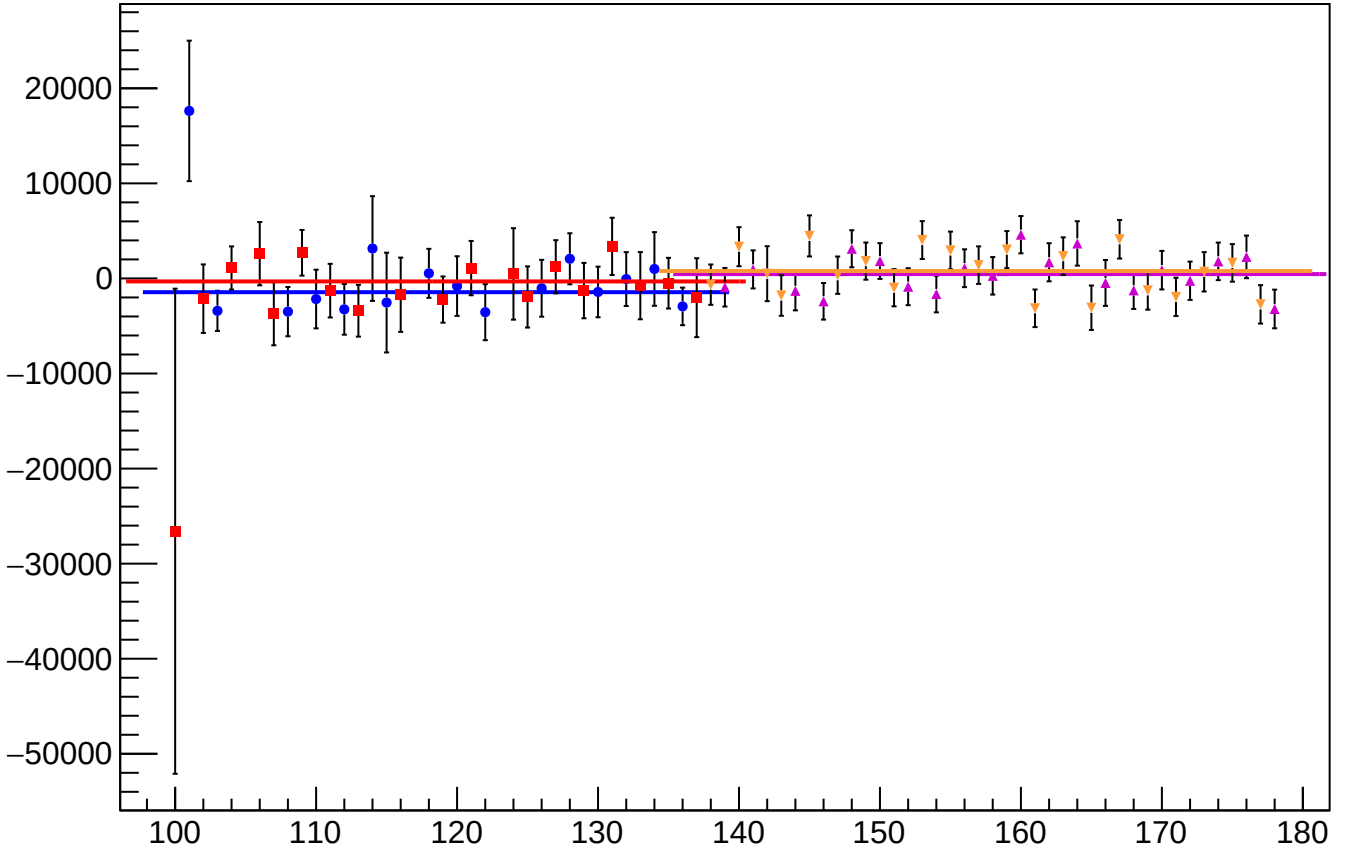
Left In: 4076.130+/-0.730 χ^2/NDF:1252965.7/19

\+ sign 3947.497+/-0.588 χ^2/NDF: 2127865.5/36

All: 3853.615+/-0.410 χ^2/NDF: 5770338.5/75

\- sign 3764.401+/-0.573 χ^2/NDF: 3592672.8/38

cor_asym_atr_dd_mean vs Slug



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 776.354+/-448.029 χ^2/NDF:28.9/20

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

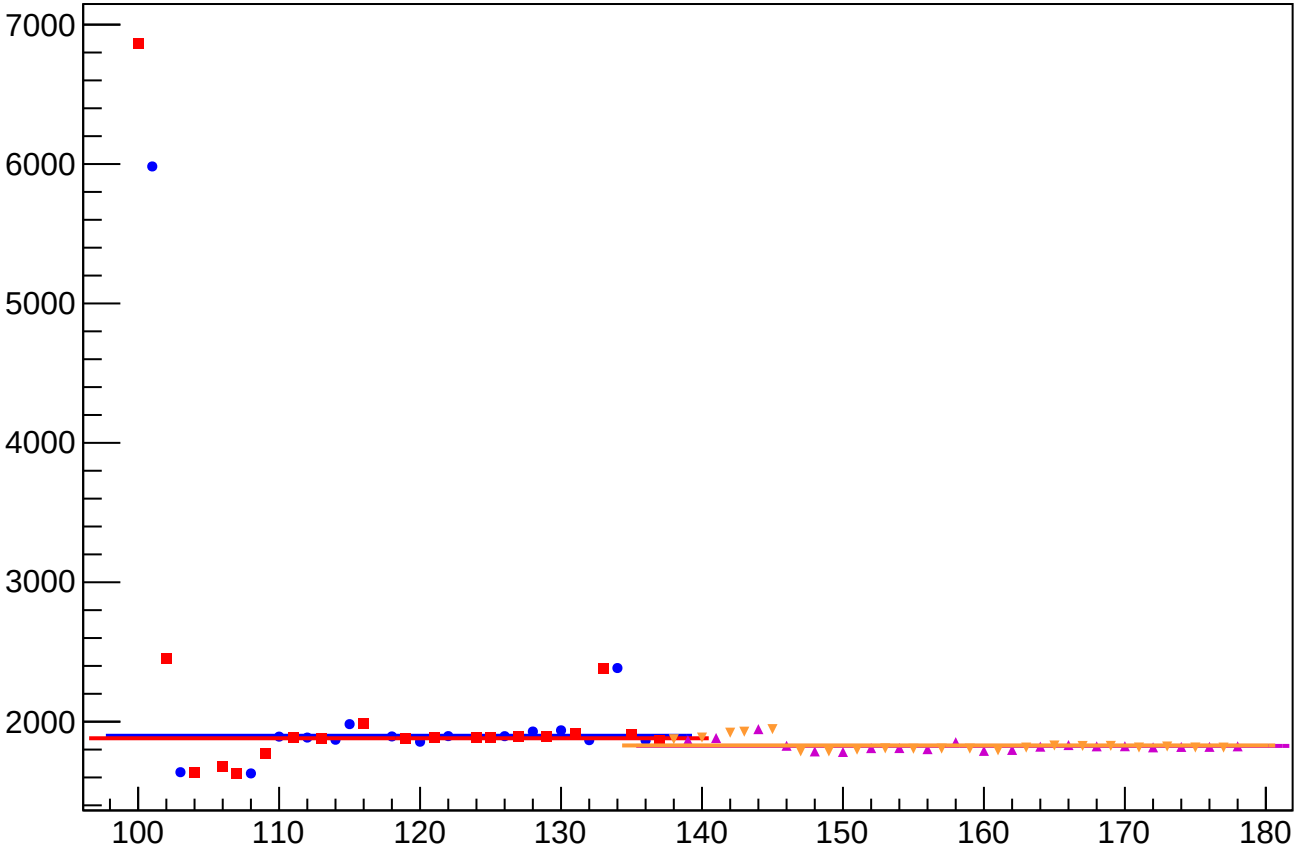
Left In: 456.435+/-451.765 χ^2/NDF:19.8/19

+ sign 159.657+/-380.856 χ^2/NDF: 49.2/36

All: 195.447+/-269.056 χ^2/NDF: 79.7/75

- sign 231.104+/-380.150 χ^2/NDF: 30.5/38

cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1829.420+/-0.317 χ^2/NDF:19108.1/20

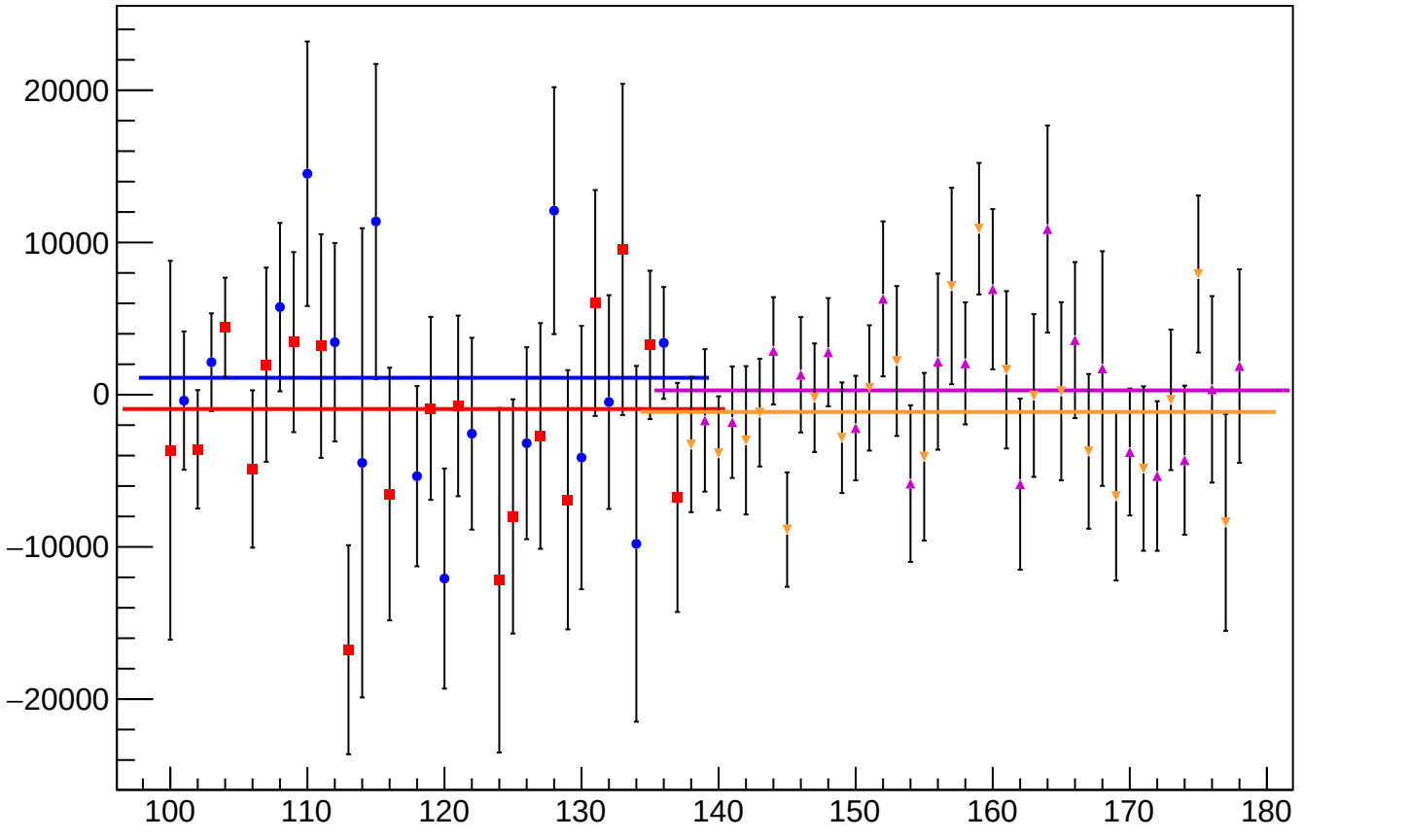
Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1826.139+/-0.319 χ^2/NDF:13275.4/19

+ sign 1848.672+/-0.269 χ^2/NDF: 729935.8/36

All: 1845.424+/-0.190 χ^2/NDF: 968696.7/75

- sign 1842.191+/-0.269 χ^2/NDF: 238470.7/38



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -1132.990+/-1004.237 χ^2/NDF:22.0/20

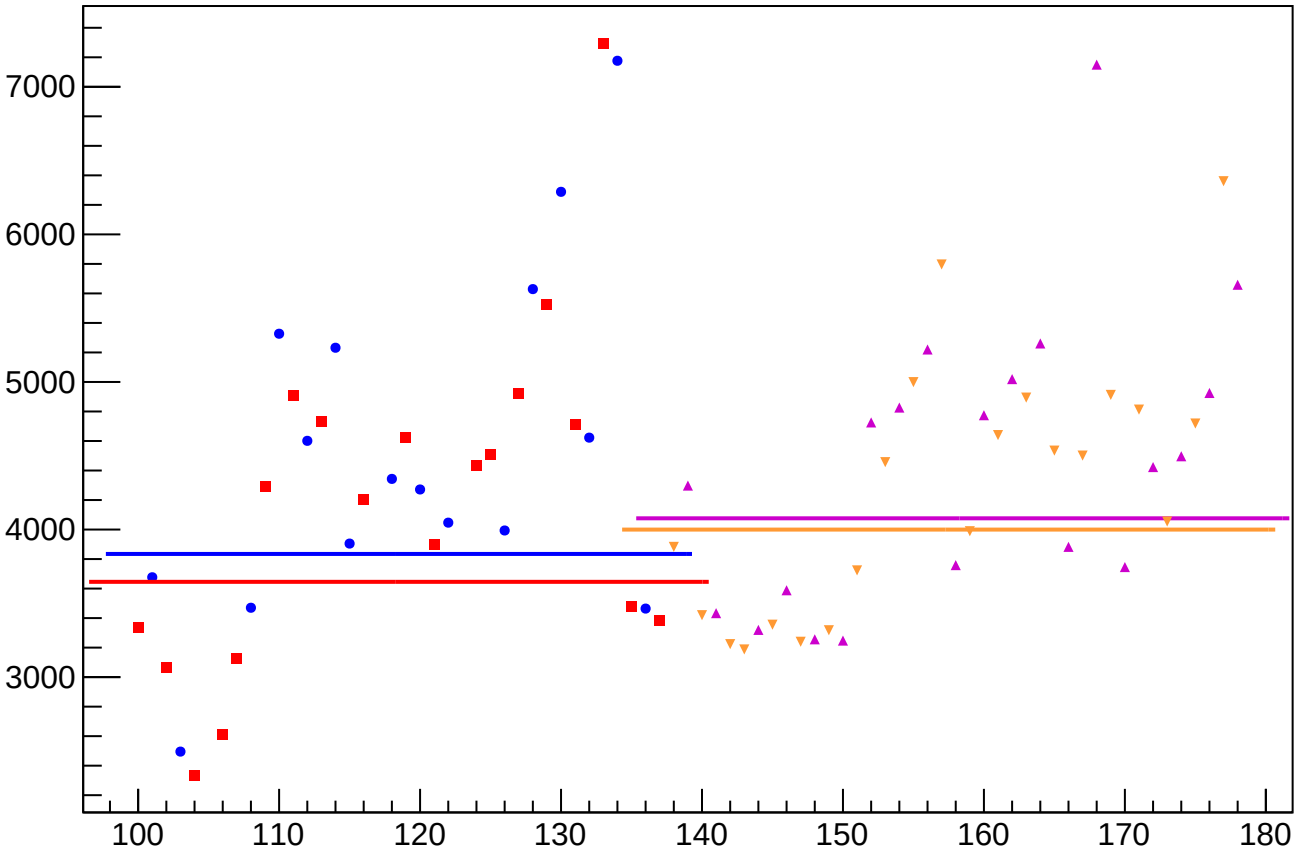
Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: 282.034+/-1031.874 χ^2/NDF:14.1/19

\+ sign -425.007+/-830.895 χ^2/NDF: 36.9/36

All: -286.822+/-587.364 χ^2/NDF: 67.8/75

\- sign -148.793+/-830.422 χ^2/NDF: 30.8/38



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3999.725+/-0.710 χ^2/NDF:1153936.4/20

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

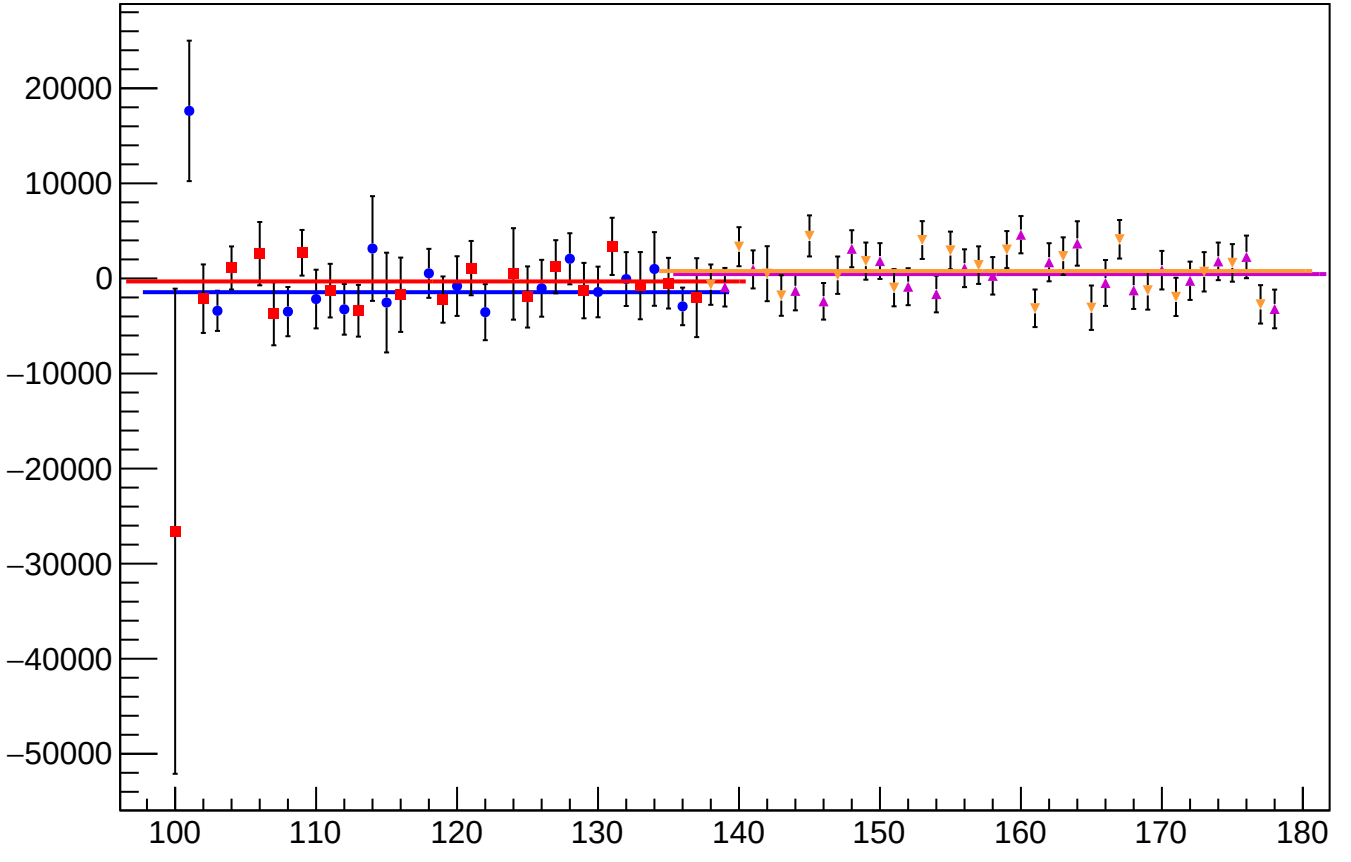
Left In: 4076.123+/-0.730 χ^2/NDF:1252977.6/19

+ sign 3947.669+/-0.588 χ^2/NDF: 2127286.3/36

All: 3936.059+/-0.415 χ^2/NDF: 4628644.1/75

- sign 3924.462+/-0.587 χ^2/NDF: 2500577.3/38

eigen_cor_asym_atr_dd_mean vs Slug



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 776.354+/-448.029 χ^2/NDF:28.9/20

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

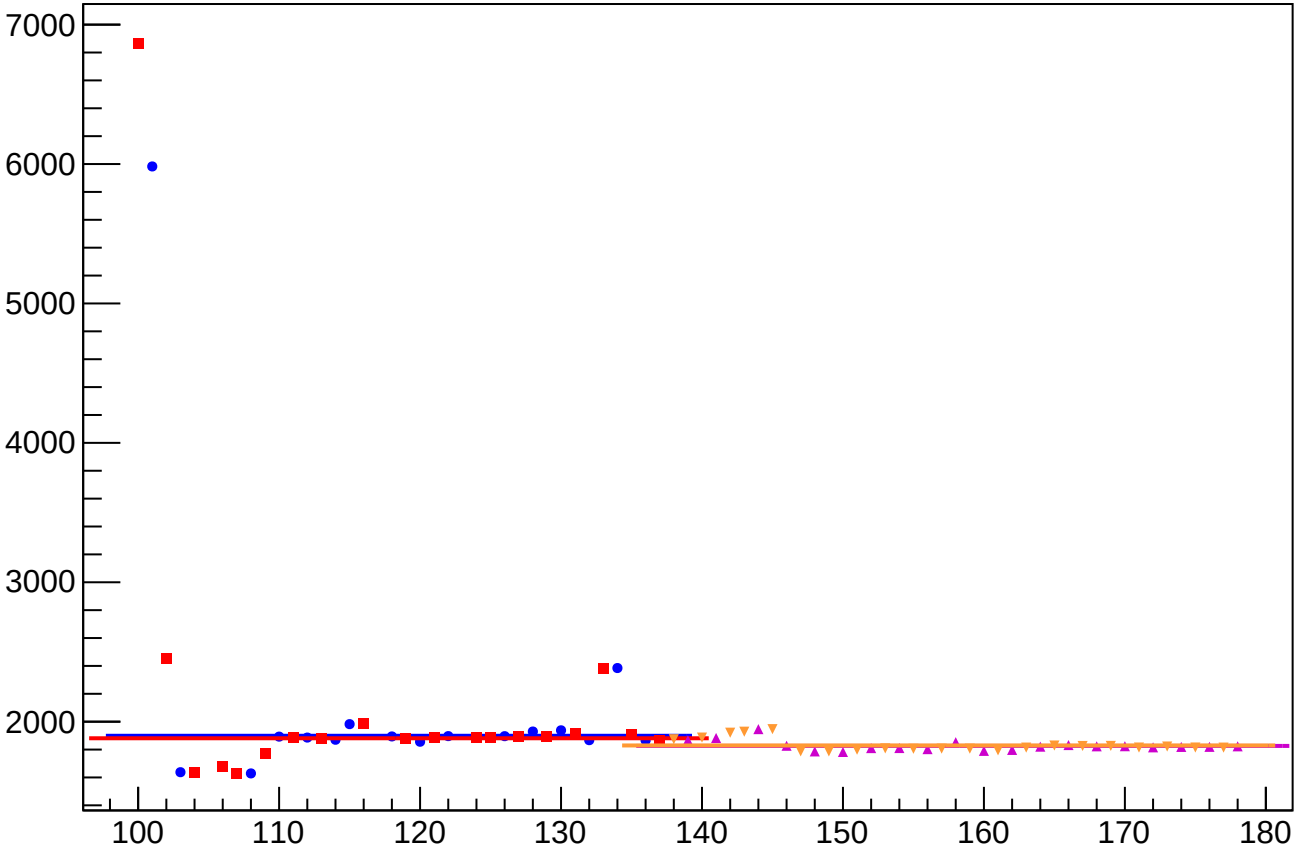
Left In: 456.435+/-451.765 χ^2/NDF:19.8/19

+ sign 159.657+/-380.856 χ^2/NDF: 49.2/36

All: 195.447+/-269.056 χ^2/NDF: 79.7/75

- sign 231.104+/-380.150 χ^2/NDF: 30.5/38

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1829.420+/-0.317 χ^2/NDF:19108.1/20

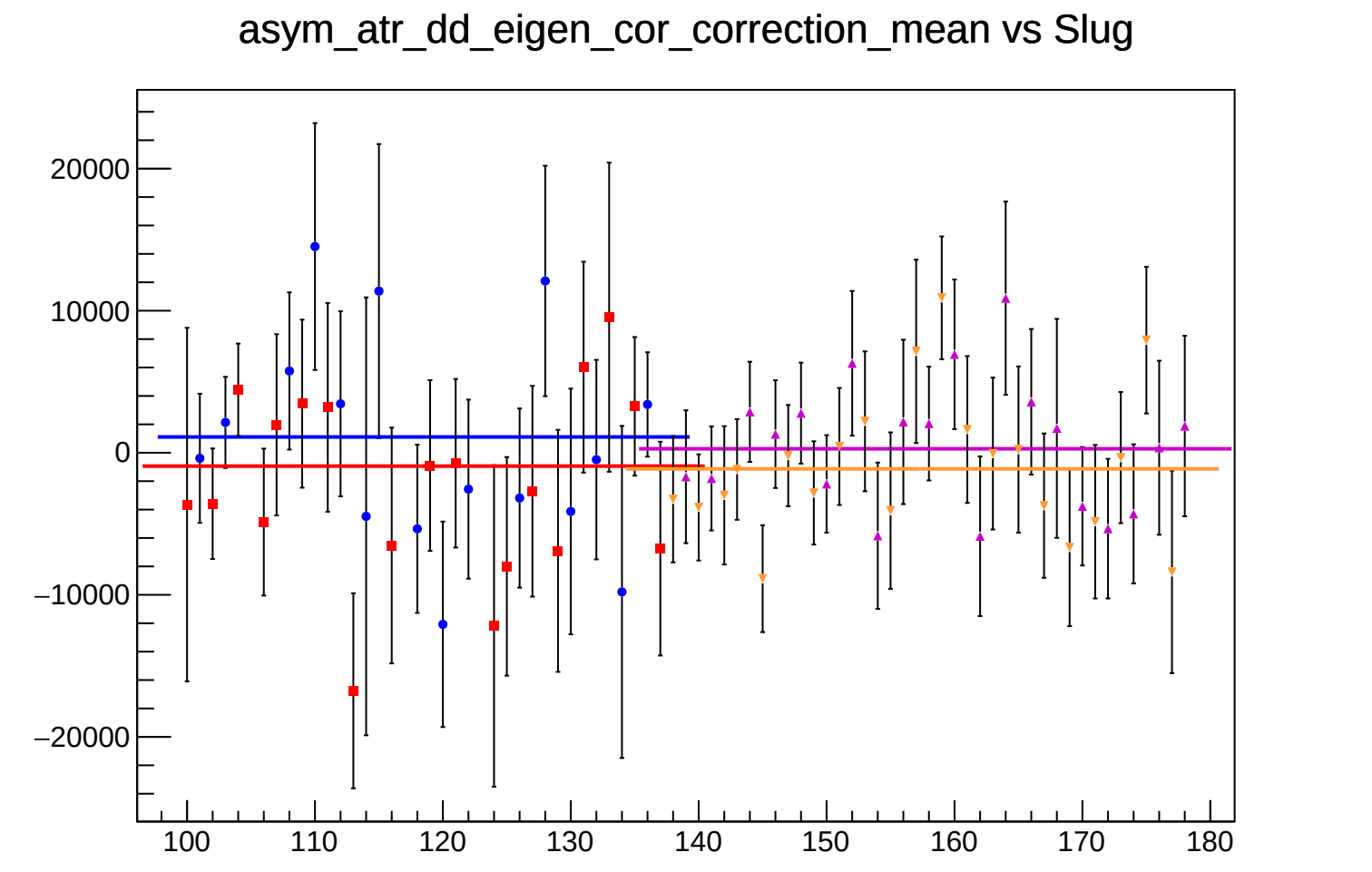
Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1826.139+/-0.319 χ^2/NDF:13275.4/19

+ sign 1848.672+/-0.269 χ^2/NDF: 729935.8/36

All: 1845.424+/-0.190 χ^2/NDF: 968696.7/75

- sign 1842.191+/-0.269 χ^2/NDF: 238470.7/38



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -1132.990+/-1004.237 χ^2/NDF:22.0/20

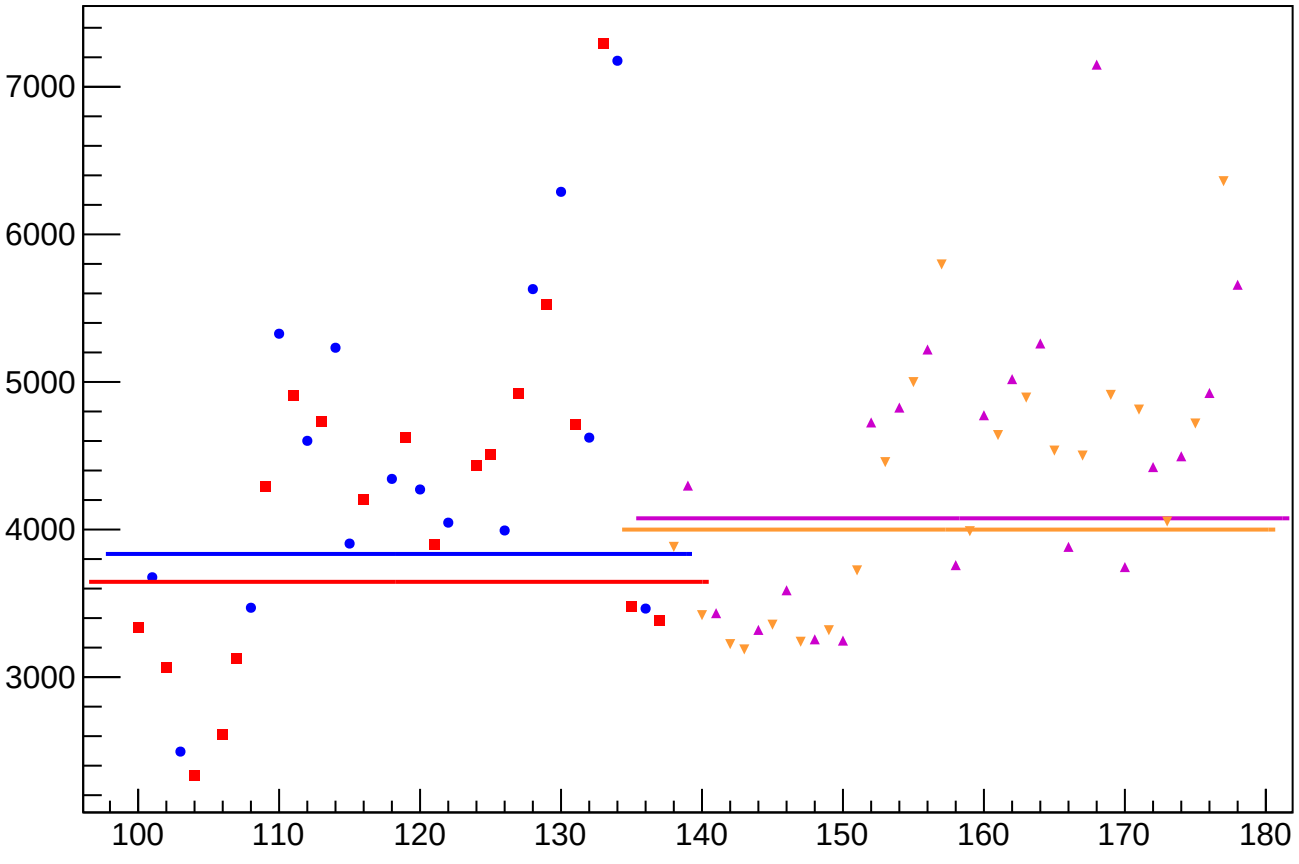
Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: 282.034+/-1031.874 χ^2/NDF:14.1/19

\+ sign -425.007+/-830.895 χ^2/NDF: 36.9/36

All: -286.822+/-587.364 χ^2/NDF: 67.8/75

\- sign -148.793+/-830.422 χ^2/NDF: 30.8/38



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3999.725+/-0.710 χ^2/NDF:1153936.4/20

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

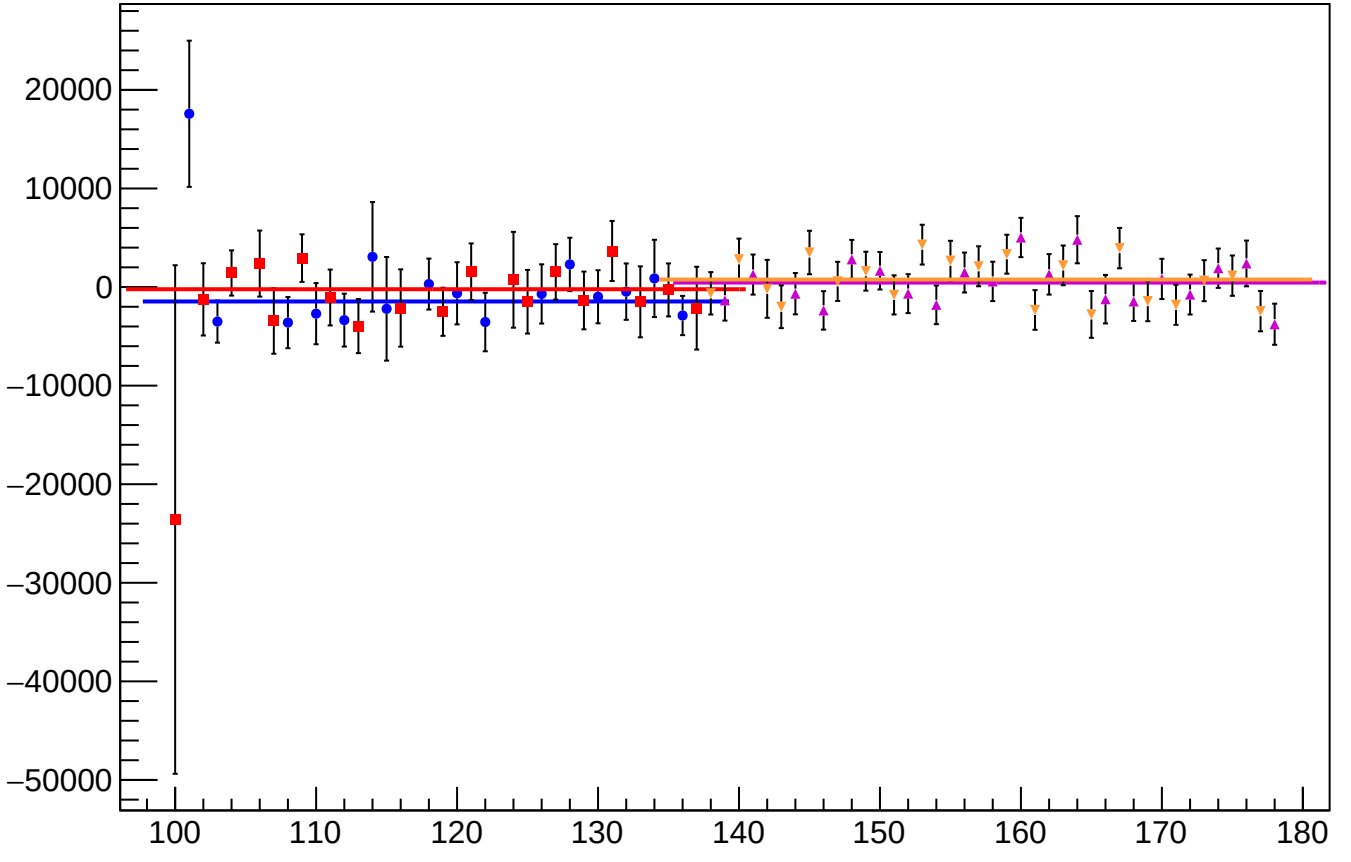
Left In: 4076.123+/-0.730 χ^2/NDF:1252977.6/19

+ sign 3947.669+/-0.588 χ^2/NDF: 2127286.3/36

All: 3936.059+/-0.415 χ^2/NDF: 4628644.1/75

- sign 3924.462+/-0.587 χ^2/NDF: 2500577.3/38

dit_asym_atr_dd_mean vs Slug



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 763.483+/-455.033 χ^2/NDF:24.3/20

Right Out: -219.726+/-708.852 χ^2/NDF: 10.8/18

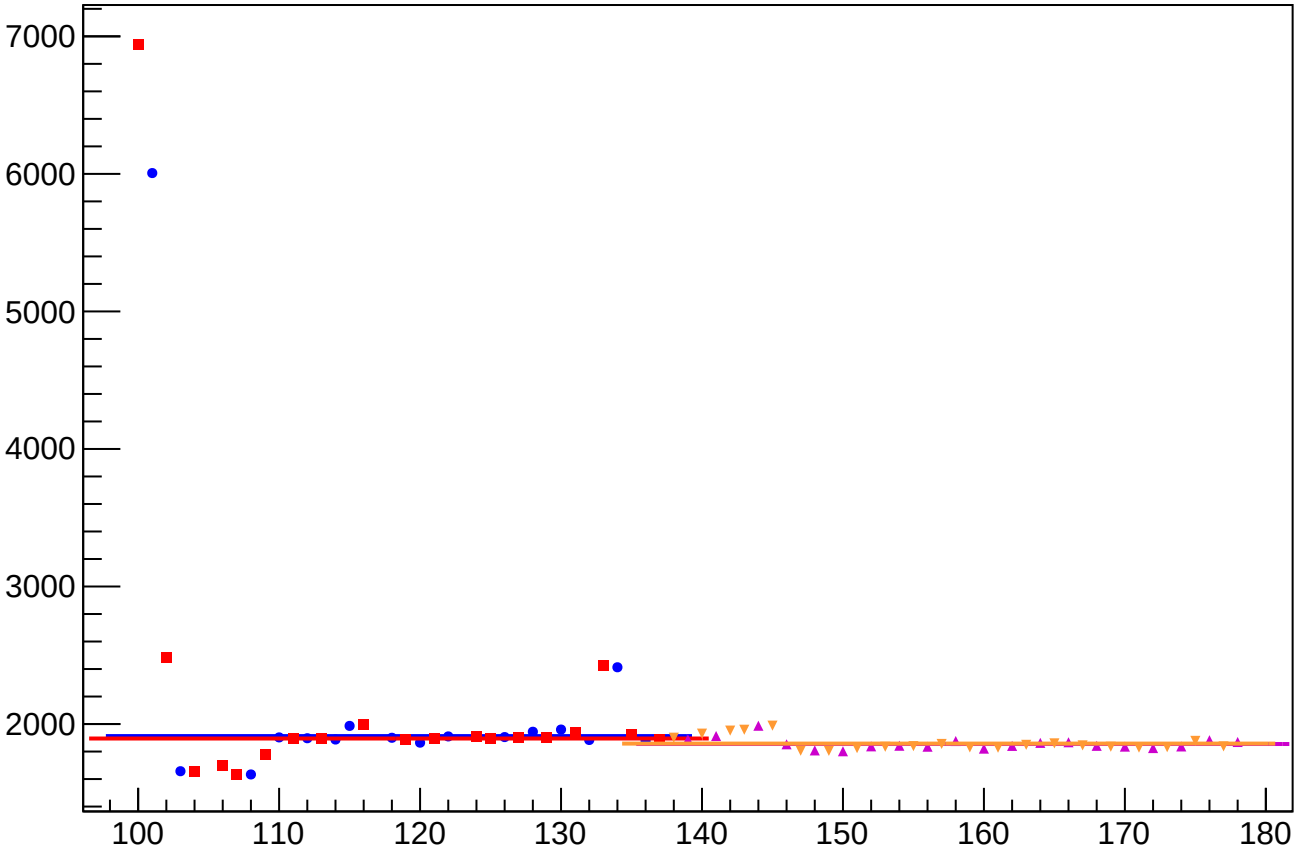
Left In: 454.644+/-458.883 χ^2/NDF:22.9/19

+ sign 138.441+/-385.900 χ^2/NDF: 44.6/36

All: 197.071+/-272.629 χ^2/NDF: 79.0/75

- sign 255.492+/-385.211 χ^2/NDF: 34.3/38

dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1857.858+/-0.322 χ^2/NDF:22659.4/20

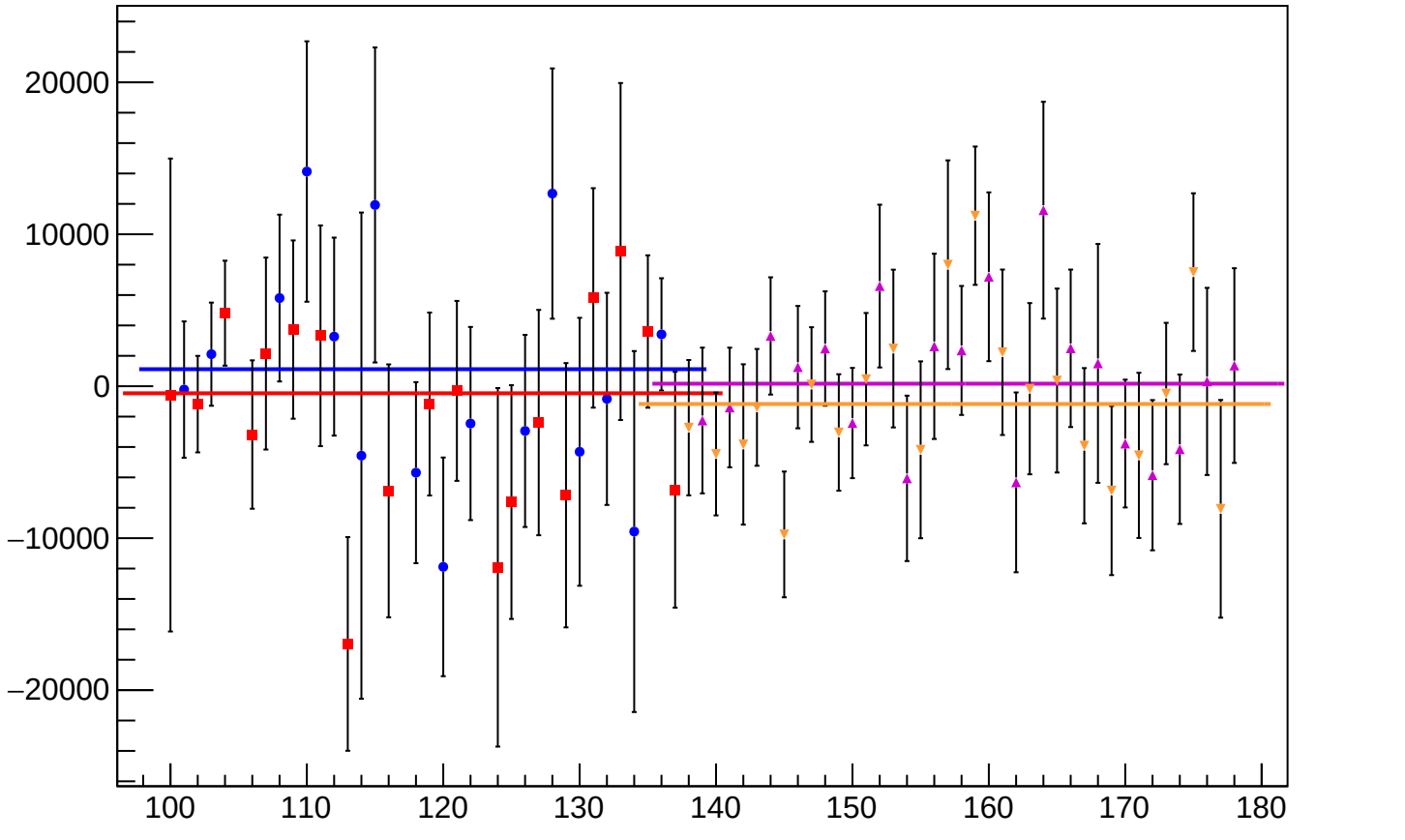
Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1854.761+/-0.324 χ^2/NDF:15480.7/19

+ sign 1873.166+/-0.273 χ^2/NDF: 726941.1/36

All: 1869.872+/-0.193 χ^2/NDF: 966989.5/75

- sign 1866.592+/-0.272 χ^2/NDF: 239757.6/38



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

Left Out: -1169.445+/-1053.710 χ^2/NDF:21.8/20

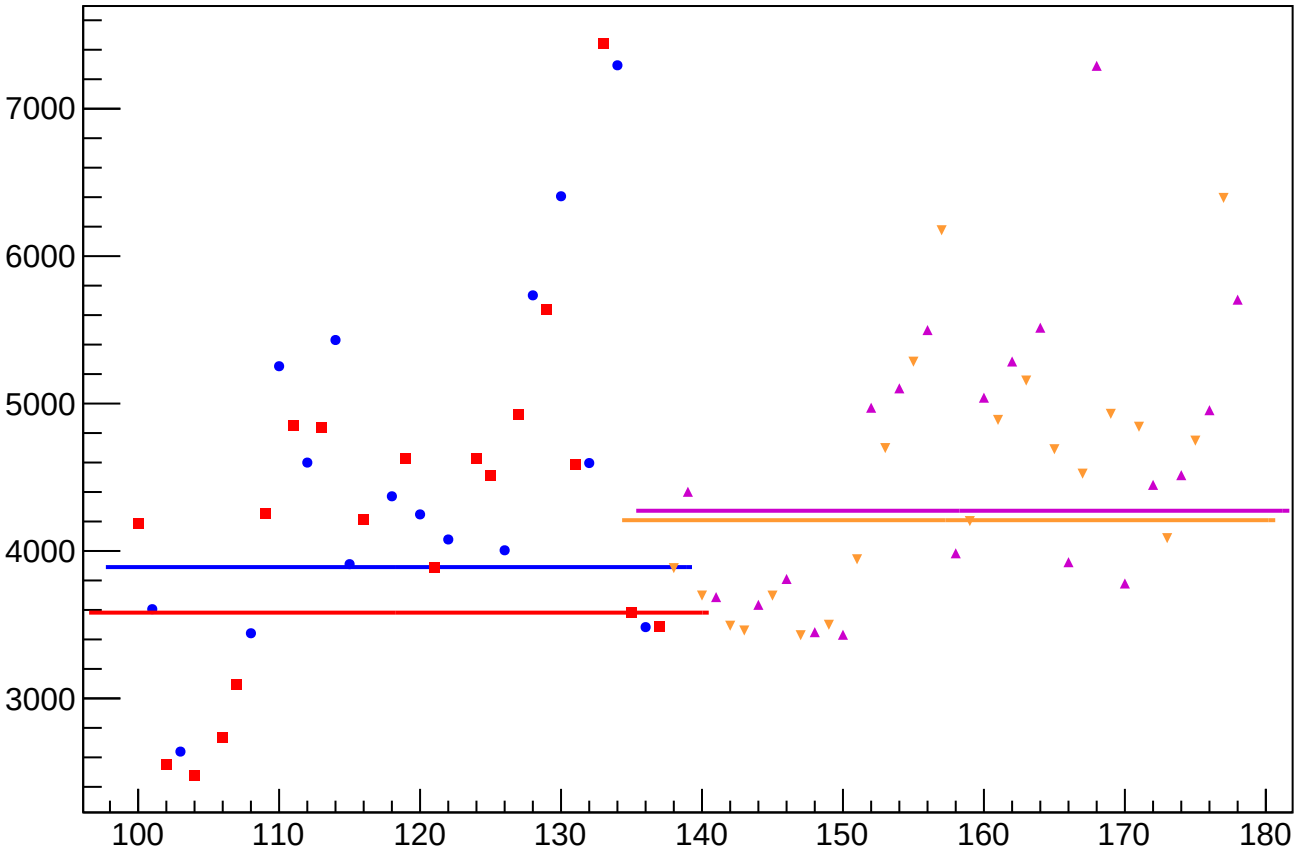
Right Out: -464.368+/-1370.818 χ^2/NDF: 15.0/18

Left In: 166.508+/-1079.519 χ^2/NDF:14.0/19

\+ sign -411.339+/-861.787 χ^2/NDF: 36.8/36

All: -240.467+/-604.482 χ^2/NDF: 66.0/75

\- sign -74.976+/-848.110 χ^2/NDF: 29.1/38



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 4208.858+/-0.745 χ^2/NDF:975476.1/20

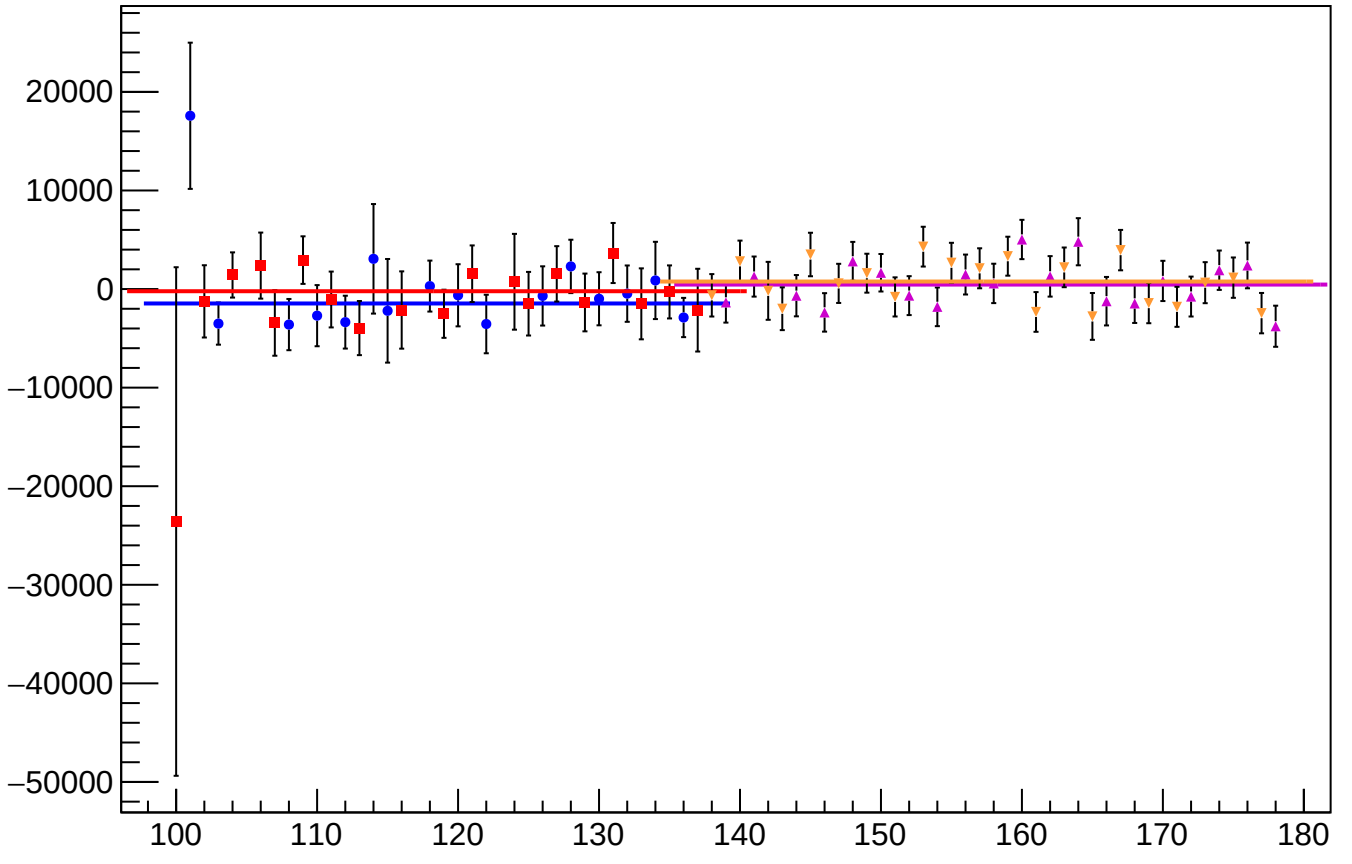
Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

Left In: 4272.897+/-0.763 χ^2/NDF:1121396.8/19

+ sign 4103.516+/-0.609 χ^2/NDF: 1914263.9/36

All: 4055.174+/-0.427 χ^2/NDF: 4583678.3/75

- sign 4008.355+/-0.600 χ^2/NDF: 2657026.0/38



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 763.488+/-455.033 χ^2/NDF:24.3/20

Right Out: -219.720+/-708.852 χ^2/NDF: 10.8/18

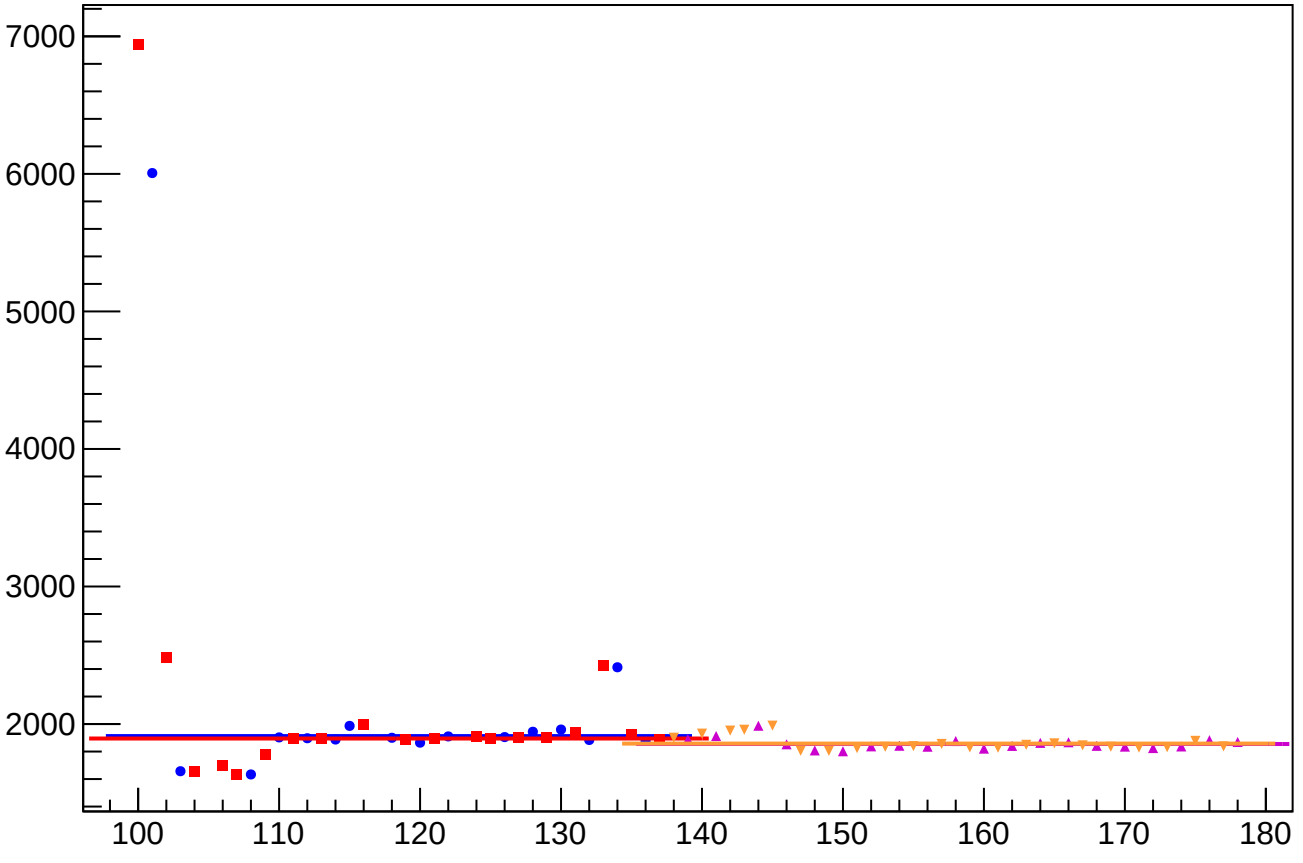
Left In: 454.646+/-458.883 χ^2/NDF:22.9/19

+ sign 138.443+/-385.900 χ^2/NDF: 44.6/36

All: 197.073+/-272.629 χ^2/NDF: 79.0/75

- sign 255.495+/-385.211 χ^2/NDF: 34.3/38

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1857.859+/-0.322 χ^2/NDF:22659.4/20

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

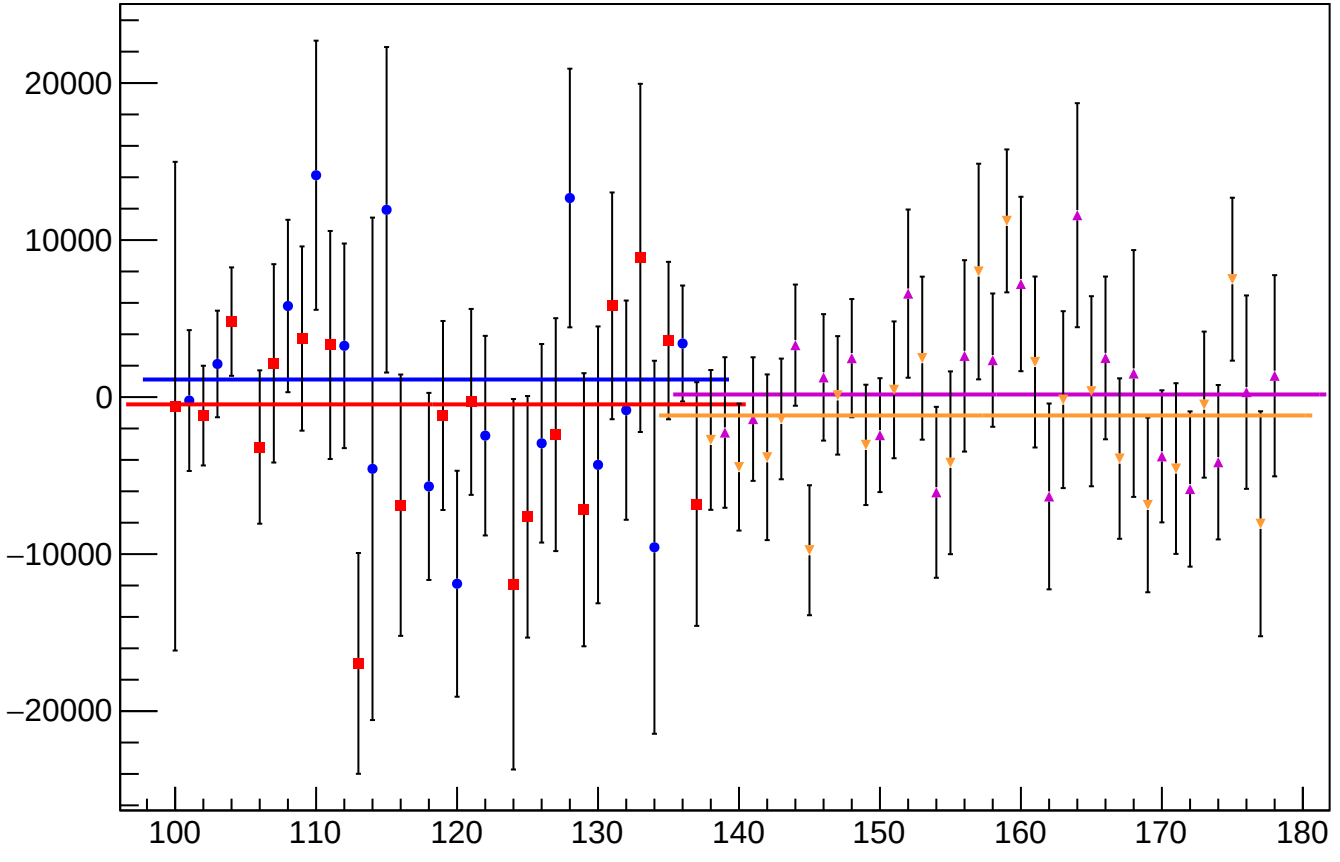
Left In: 1854.762+/-0.324 χ^2/NDF:15480.6/19

+ sign 1873.167+/-0.273 χ^2/NDF: 726940.8/36

All: 1869.873+/-0.193 χ^2/NDF: 966988.9/75

- sign 1866.593+/-0.272 χ^2/NDF: 239757.3/38

asym_atr_dd_eigen_dit_correction_mean vs Slug



Right In: 1120.159+/-1497.669 χ^2/NDF: 13.5/15

Left Out: -1169.445+/-1053.712 χ^2/NDF:21.8/20

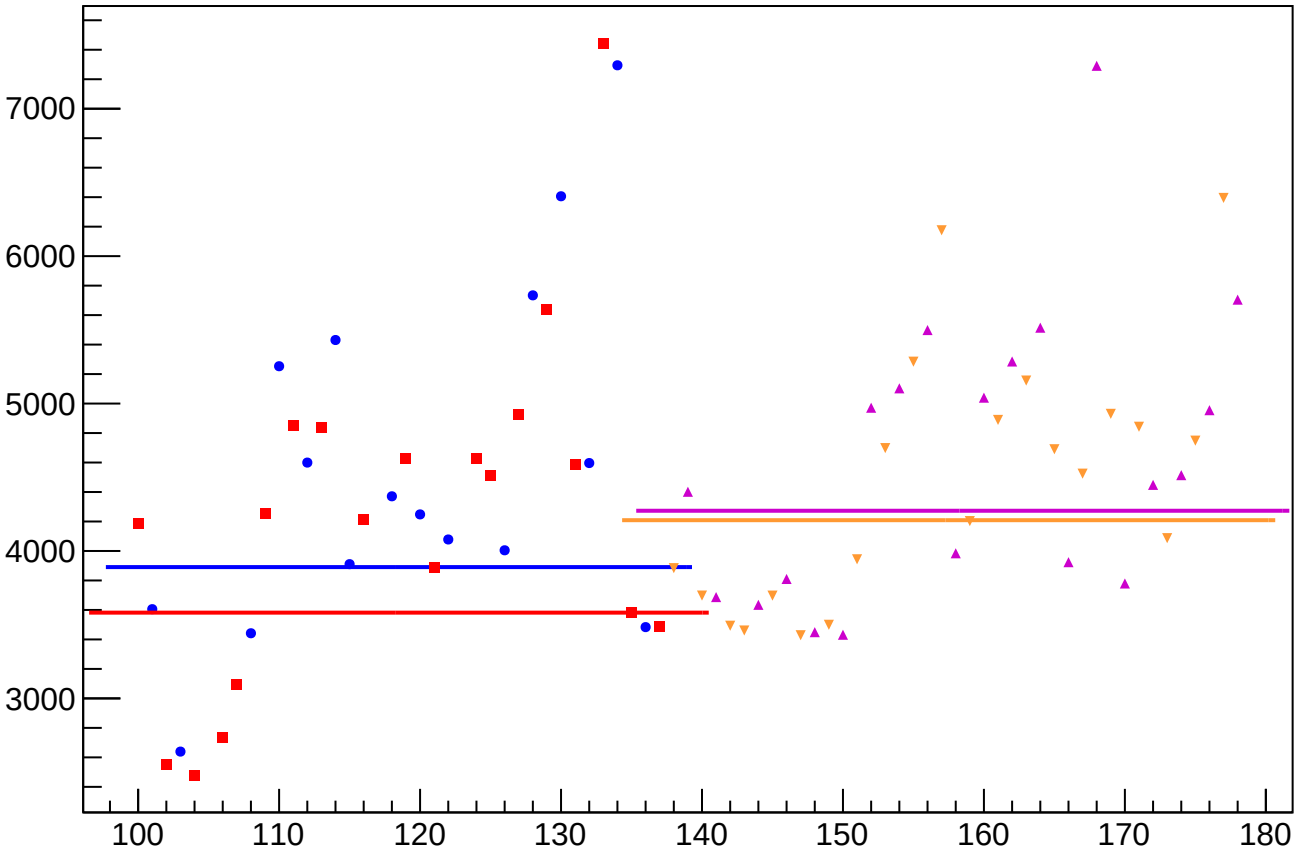
Right Out: -464.367+/-1370.817 χ^2/NDF: 15.0/18

Left In: 166.506+/-1079.521 χ^2/NDF:14.0/19

+ sign -411.340+/-861.788 χ^2/NDF: 36.8/36

All: -240.468+/-604.482 χ^2/NDF: 66.0/75

- sign -74.978+/-848.110 χ^2/NDF: 29.1/38



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 4208.865+/-0.745 χ^2/NDF:975476.8/20

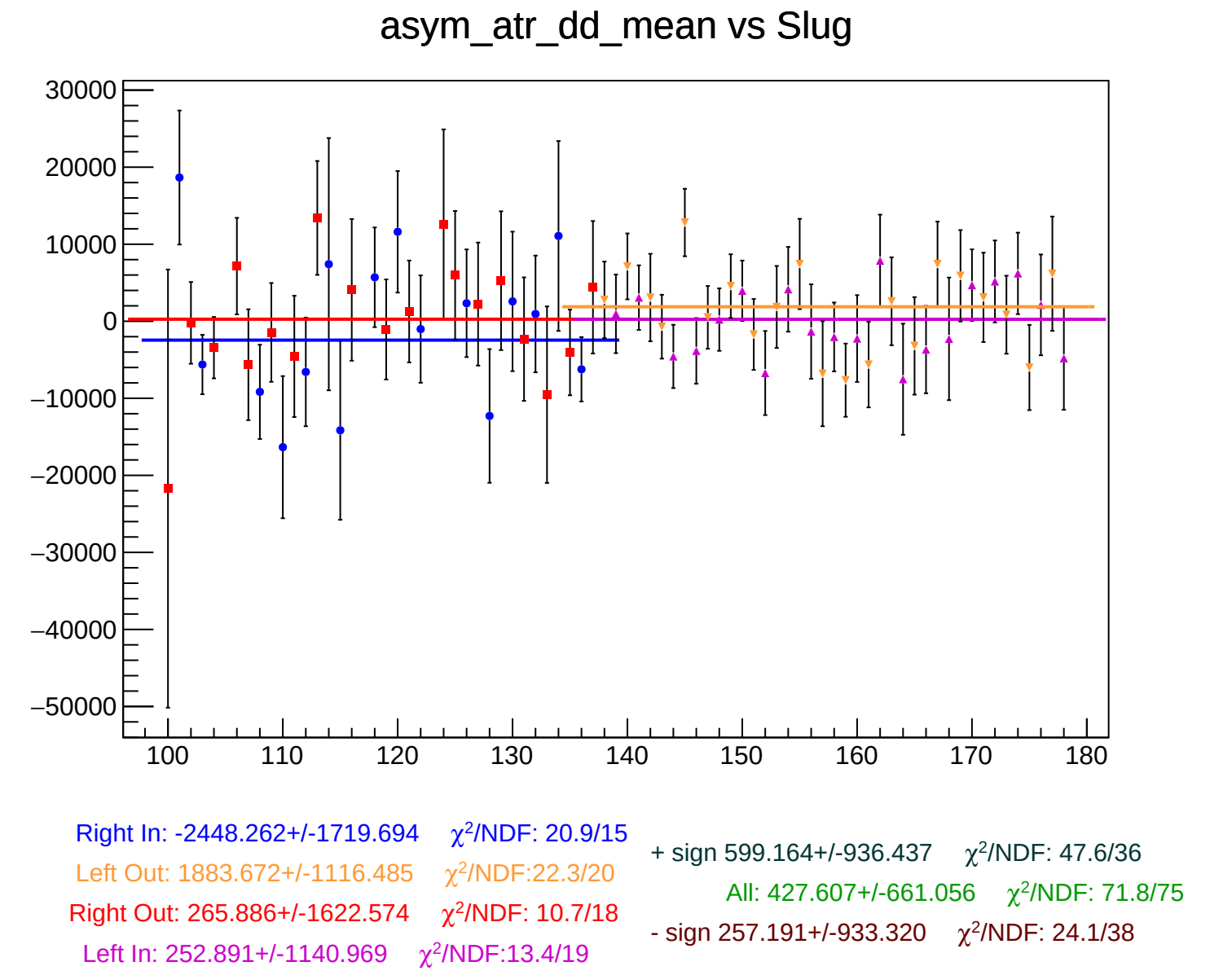
Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

Left In: 4272.904+/-0.763 χ^2/NDF:1121400.9/19

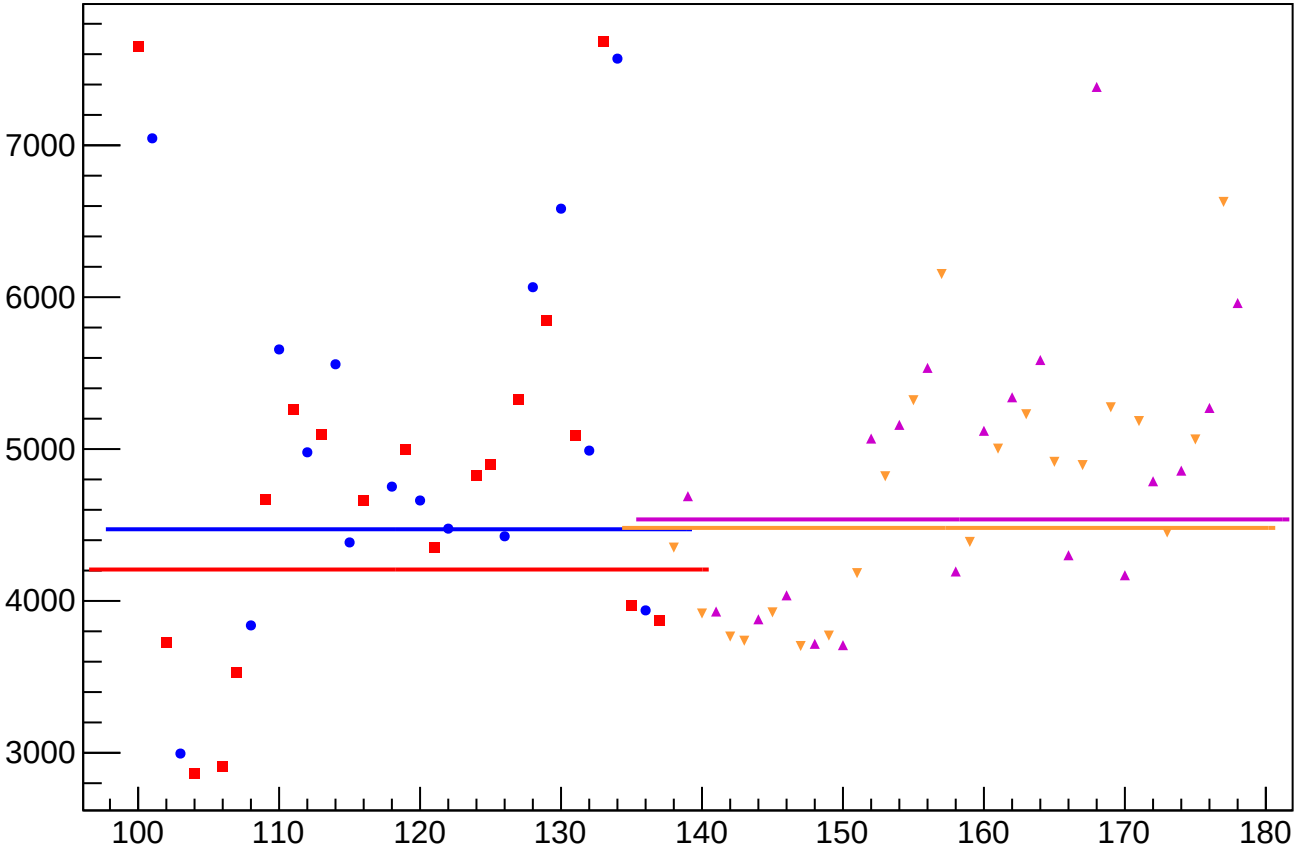
+ sign 4103.520+/-0.609 χ^2/NDF: 1914259.1/36

All: 4055.177+/-0.427 χ^2/NDF: 4583677.9/75

- sign 4008.357+/-0.600 χ^2/NDF: 2657029.9/38


asym_atr_dd_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
Right In: -2448.262+/-1719.694 χ²/NDF: 20.9/15
Left Out: 1883.672+/-1116.485 χ²/NDF:22.3/20
Right Out: 265.886+/-1622.574 χ²/NDF: 10.7/18
Left In: 252.891+/-1140.969 χ²/NDF:13.4/19
+ sign 599.164+/-936.437 χ²/NDF: 47.6/36
All: 427.607+/-661.056 χ²/NDF: 71.8/75
- sign 257.191+/-933.320 χ²/NDF: 24.1/38

asym_atr_dd_rms vs Slug



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 4480.911+/-0.789 χ^2/NDF:802715.1/20

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

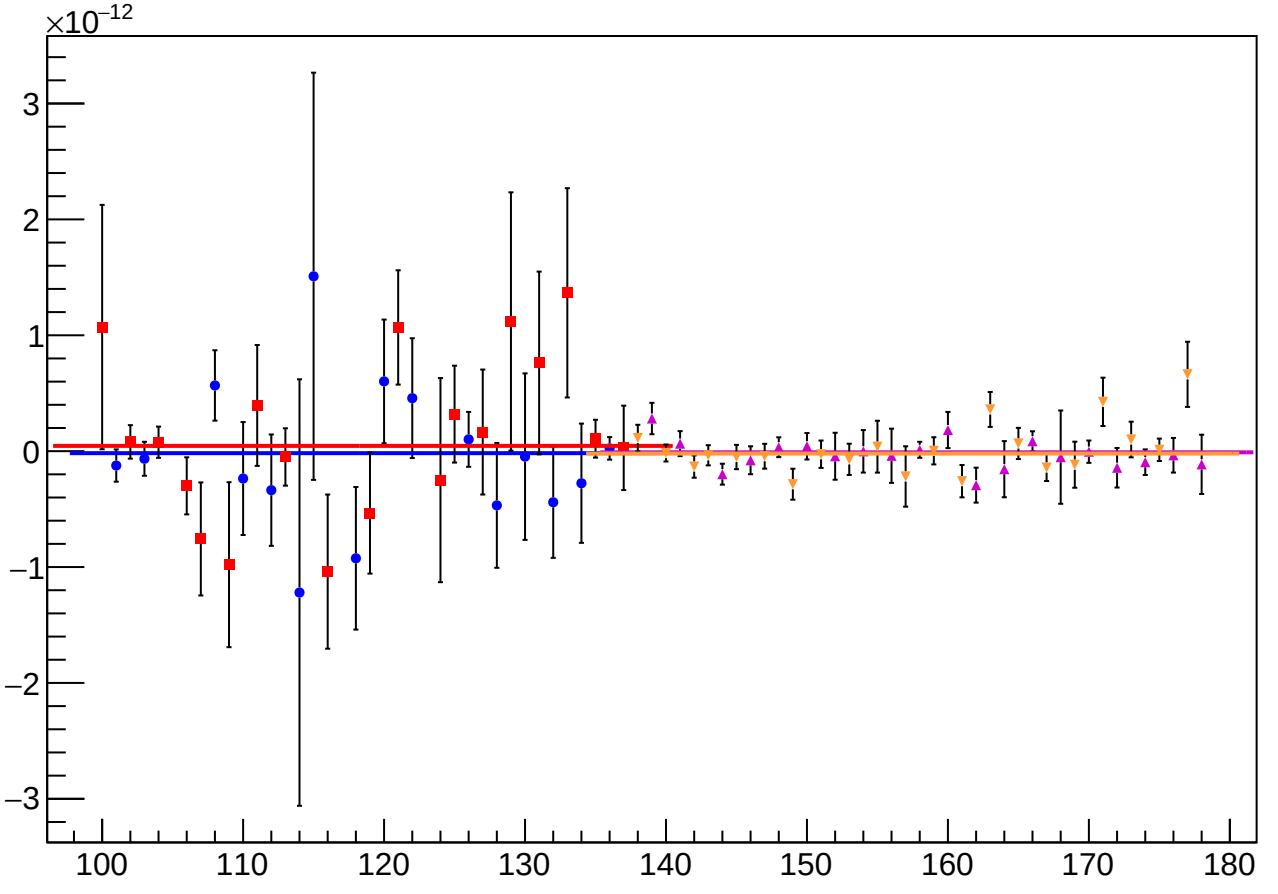
Left In: 4536.781+/-0.807 χ^2/NDF:902839.6/19

+ sign 4478.240+/-0.662 χ^2/NDF: 1694432.1/36

All: 4452.182+/-0.467 χ^2/NDF: 3502797.1/75

- sign 4426.437+/-0.658 χ^2/NDF: 1805286.2/38

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:29.9/20

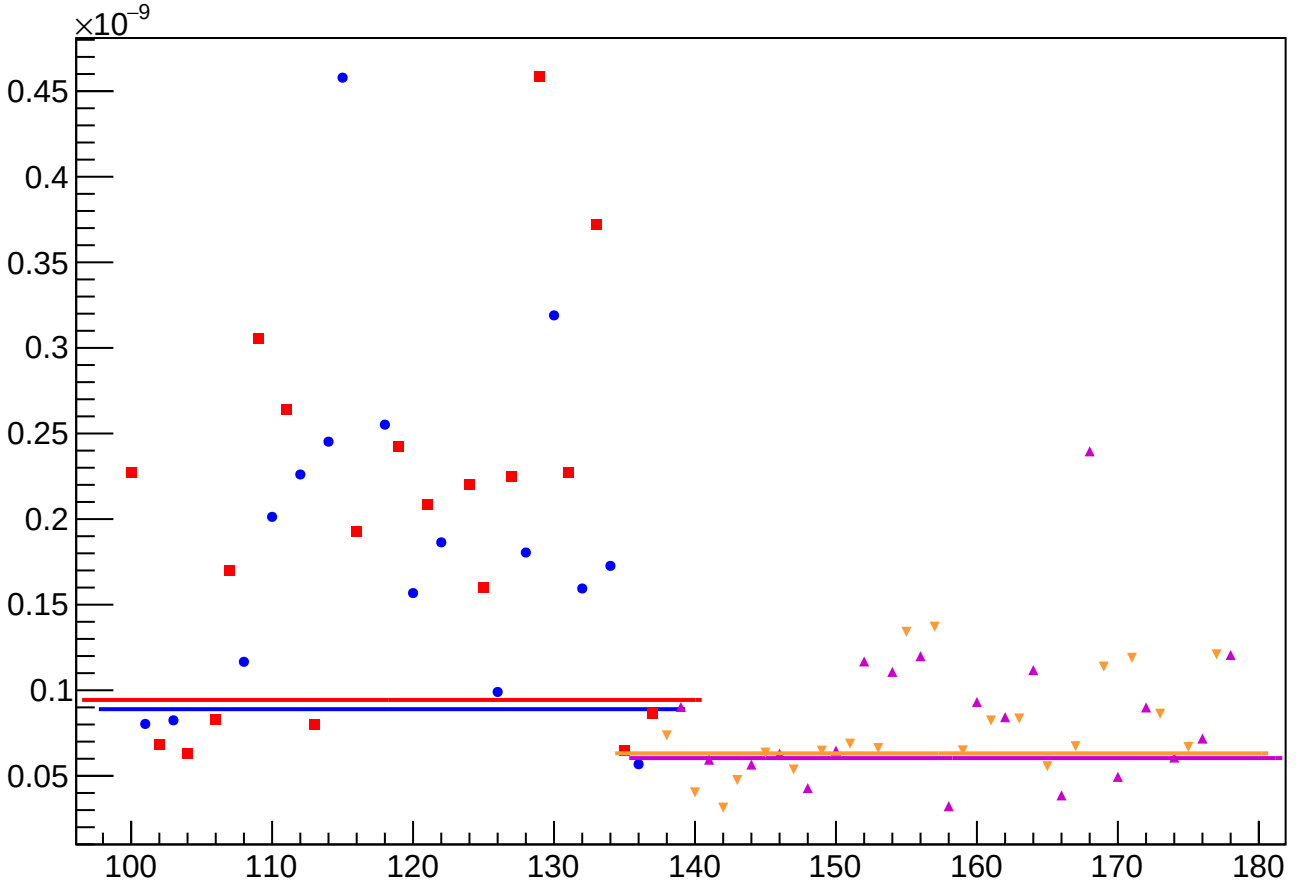
Right Out: 0.000+/-0.000 χ^2/NDF: 21.2/18

Left In: -0.000+/-0.000 χ^2/NDF:18.5/19

+ sign -0.000+/-0.000 χ^2/NDF: 42.6/36

All: -0.000+/-0.000 χ^2/NDF: 83.1/75

- sign -0.000+/-0.000 χ^2/NDF: 40.3/38



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1365703.7/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

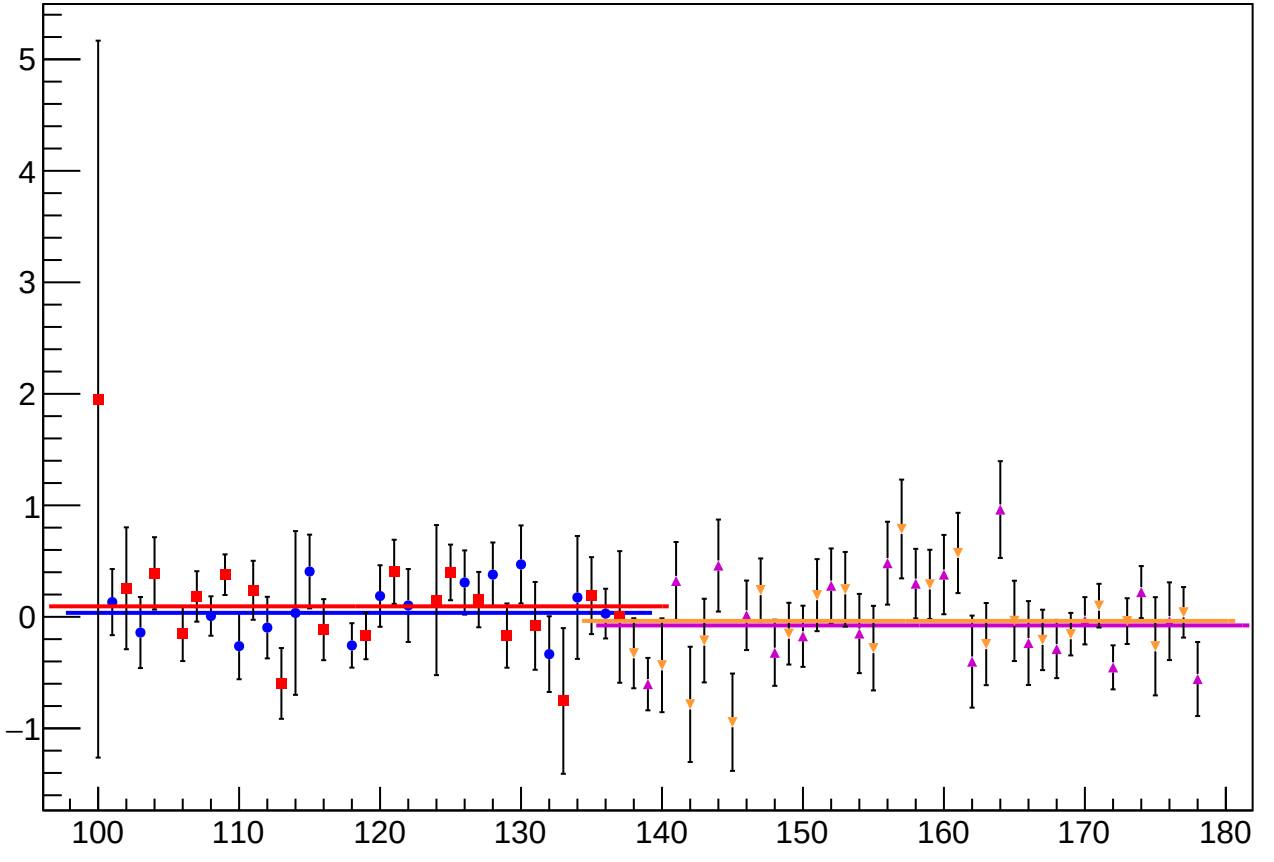
Left In: 0.000+/-0.000 χ^2/NDF:1917248.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 2892227.9/36

All: 0.000+/-0.000 χ^2/NDF: 6942007.2/75

- sign 0.000+/-0.000 χ^2/NDF: 4041921.1/38

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.036+/-0.065 χ^2/NDF:20.6/20

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

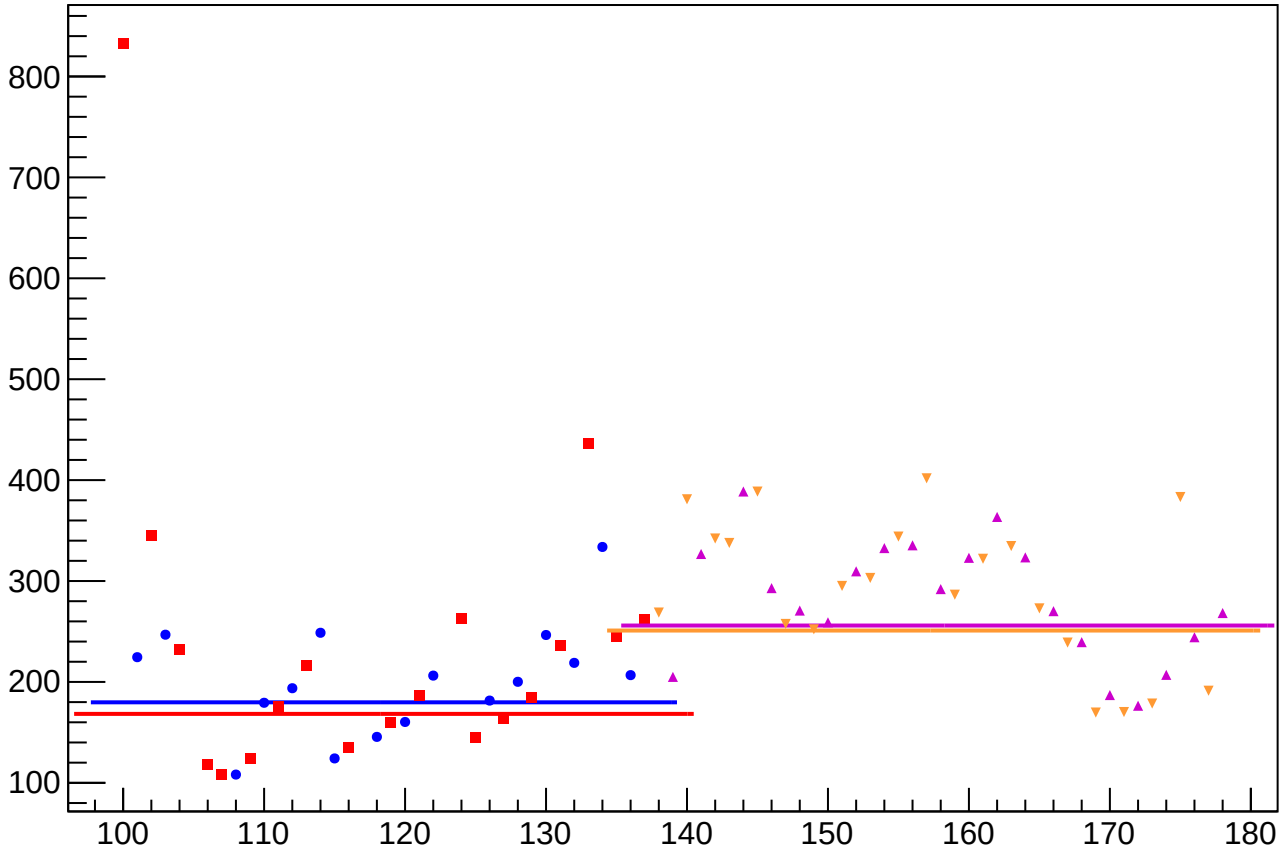
Left In: -0.077+/-0.067 χ^2/NDF:30.0/19

+ sign -0.003+/-0.048 χ^2/NDF: 31.7/36

All: 0.002+/-0.034 χ^2/NDF: 82.6/75

- sign 0.007+/-0.047 χ^2/NDF: 50.9/38

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 250.934+/-0.046 χ^2/NDF:2495856.1/20

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

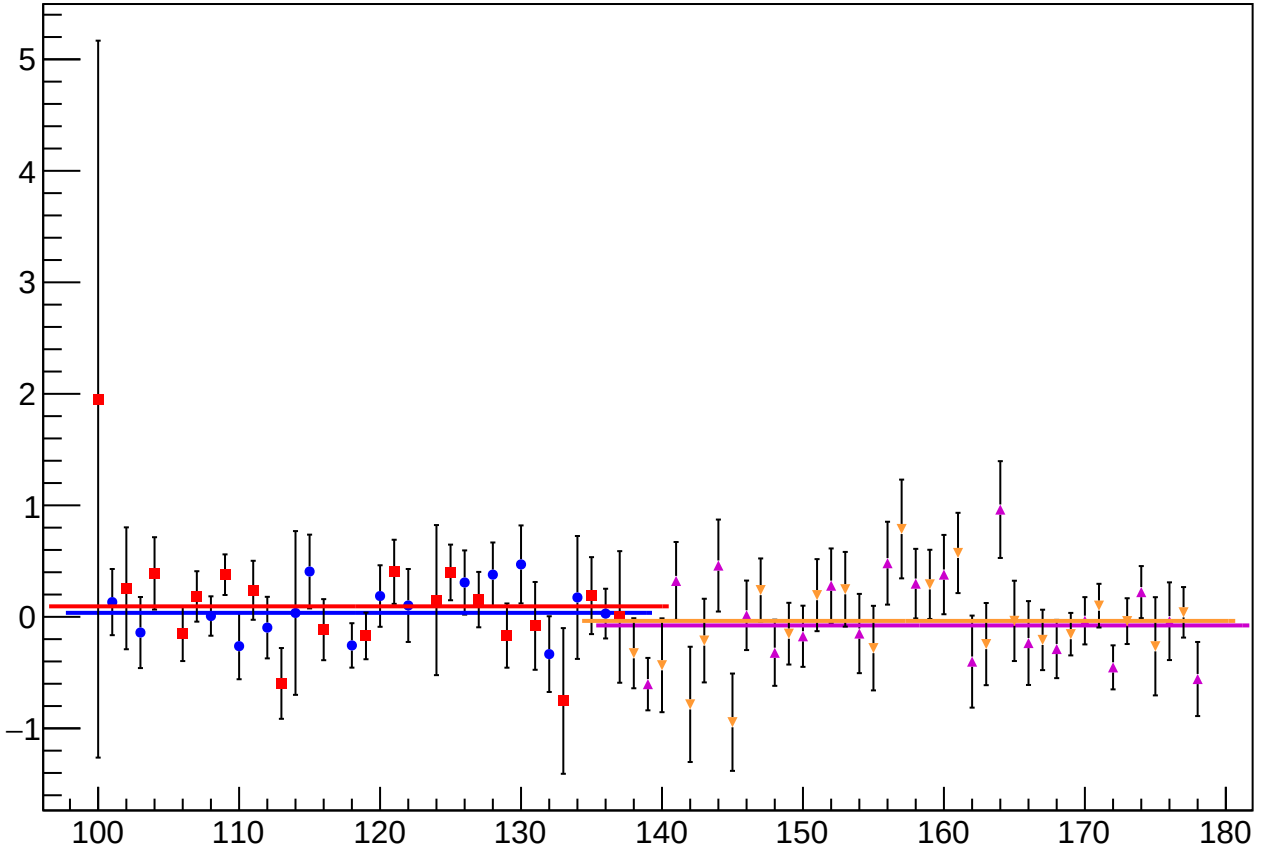
Left In: 255.892+/-0.047 χ^2/NDF:1574572.1/19

+ sign 218.287+/-0.034 χ^2/NDF: 4513762.1/36

All: 215.535+/-0.024 χ^2/NDF: 9214024.4/75

- sign 212.826+/-0.034 χ^2/NDF: 4687111.2/38

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: -0.036+/-0.065 χ^2/NDF:20.6/20

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

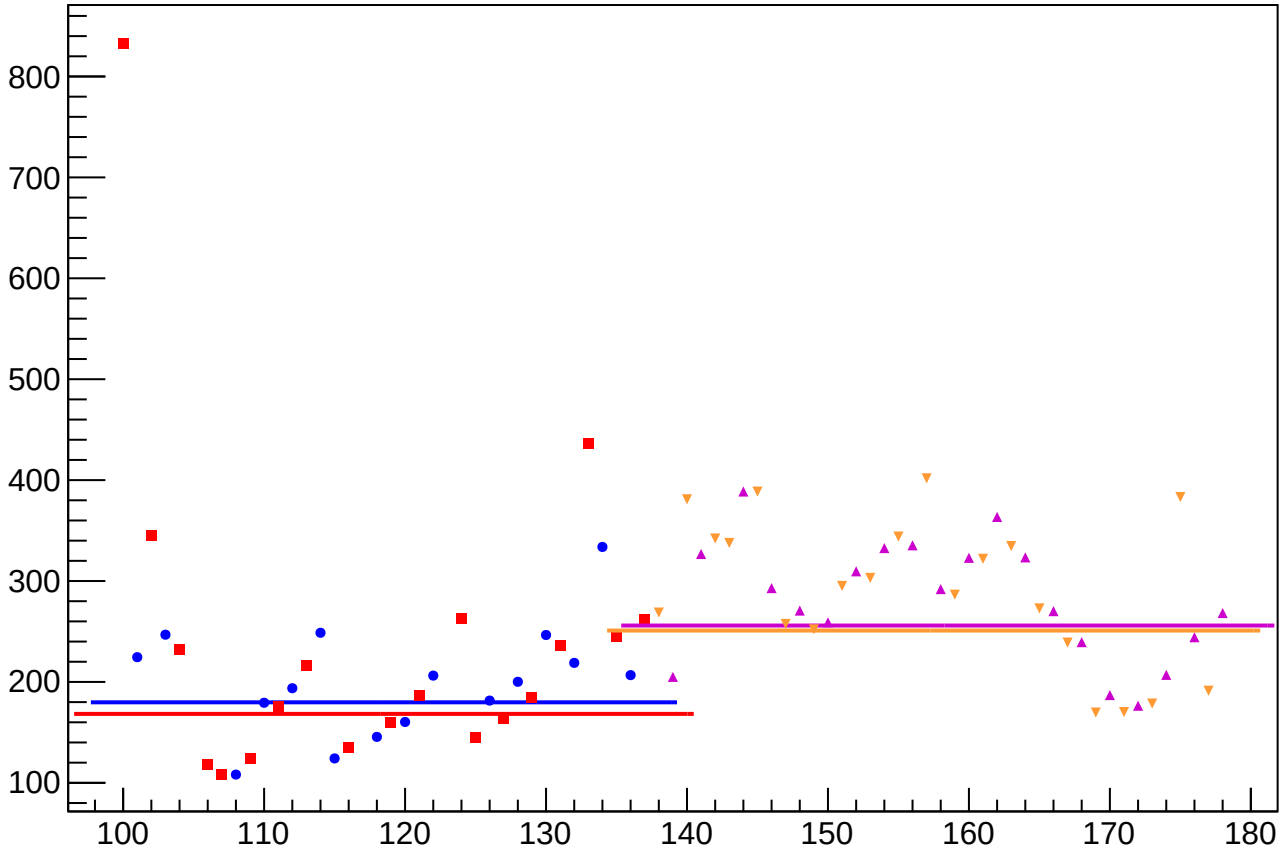
Left In: -0.077+/-0.067 χ^2/NDF:30.0/19

+ sign -0.003+/-0.048 χ^2/NDF: 31.7/36

All: 0.002+/-0.034 χ^2/NDF: 82.6/75

- sign 0.007+/-0.047 χ^2/NDF: 50.9/38

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: 250.934+/-0.046 χ^2/NDF:2495856.1/20

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

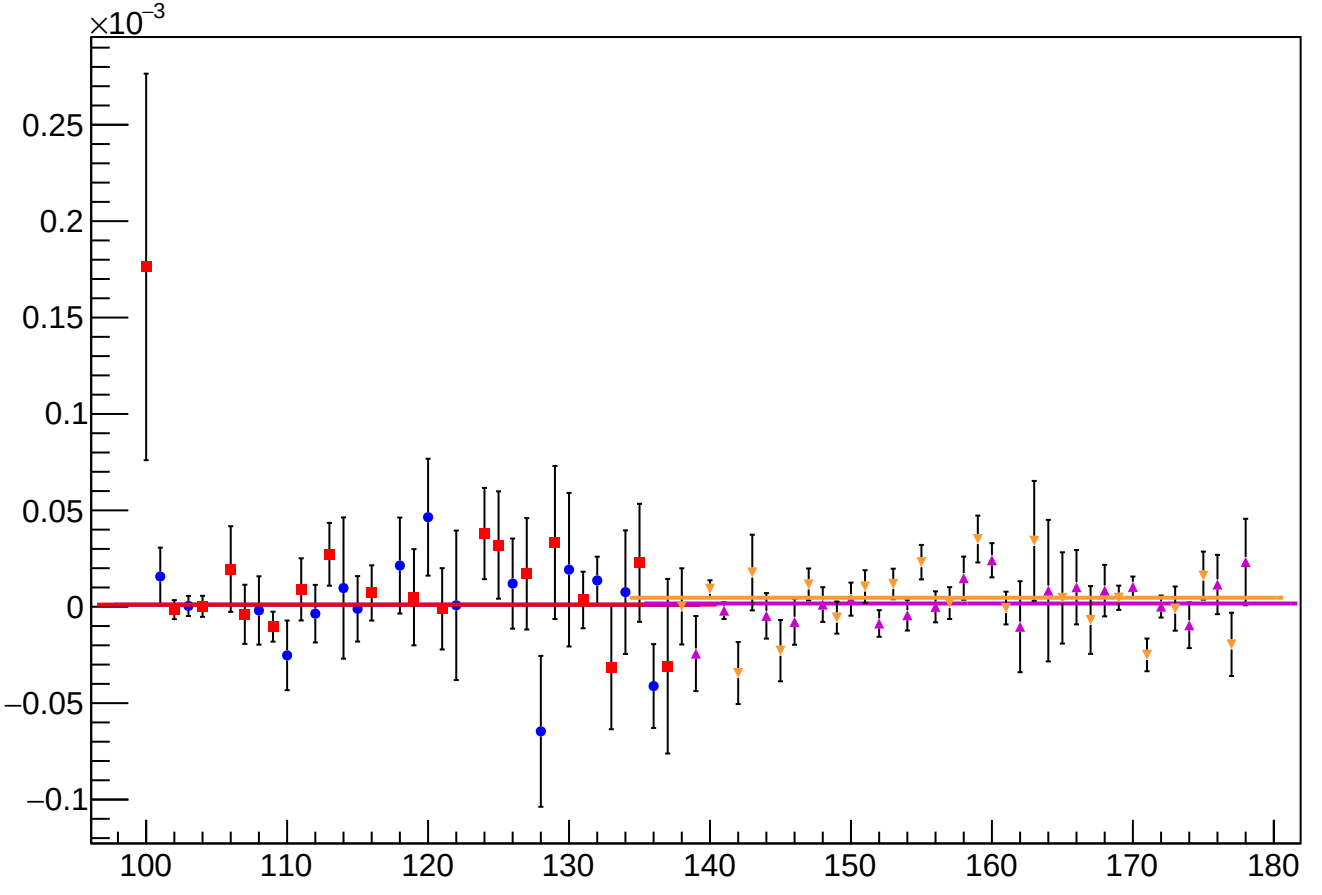
Left In: 255.892+/-0.047 χ^2/NDF:1574572.1/19

+ sign 218.287+/-0.034 χ^2/NDF: 4513762.1/36

All: 215.535+/-0.024 χ^2/NDF: 9214024.4/75

- sign 212.826+/-0.034 χ^2/NDF: 4687111.2/38

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:41.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

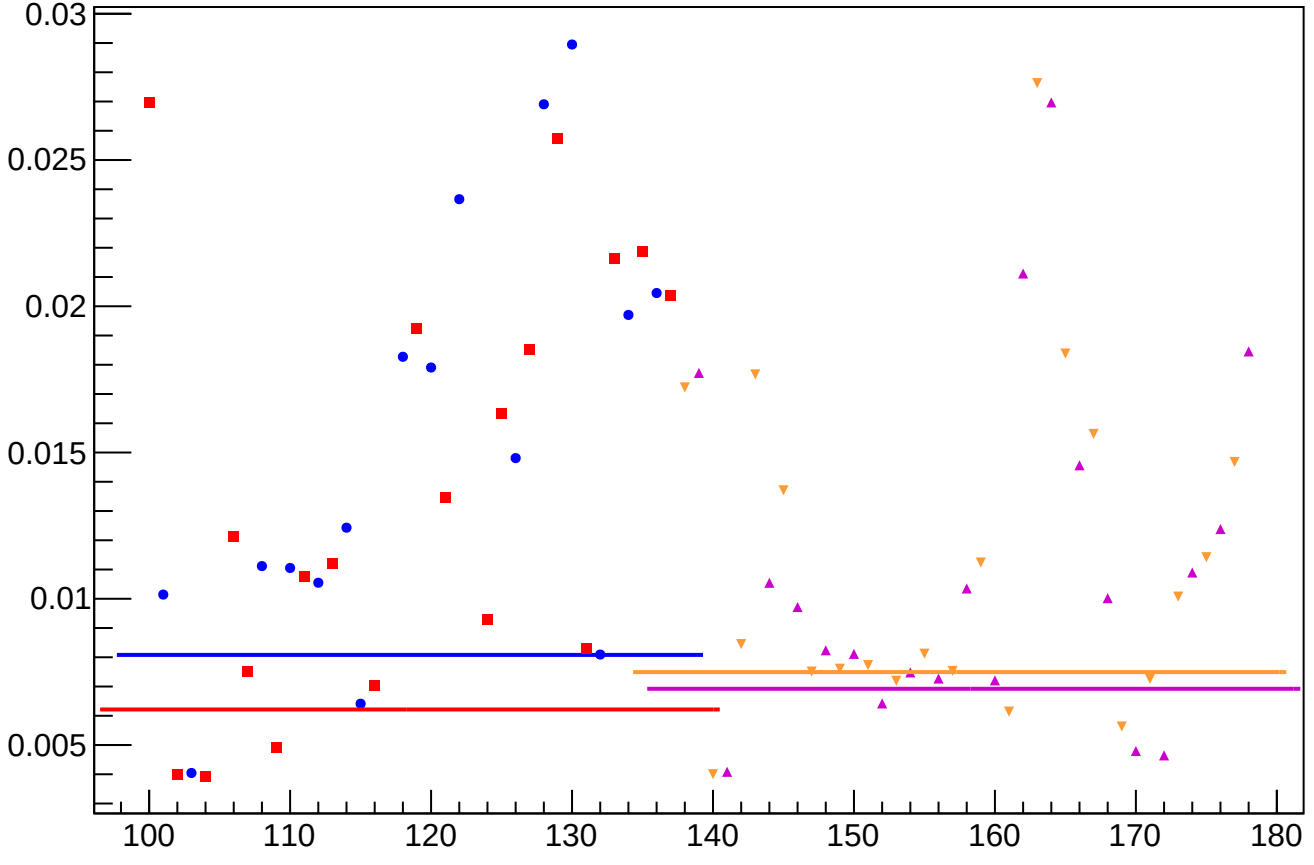
Left In: 0.000+/-0.000 χ^2/NDF:19.8/19

+ sign 0.000+/-0.000 χ^2/NDF: 56.9/36

All: 0.000+/-0.000 χ^2/NDF: 93.7/75

- sign 0.000+/-0.000 χ^2/NDF: 35.8/38

asym_atr_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.007+/-0.000 χ^2/NDF:5421773.6/20

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

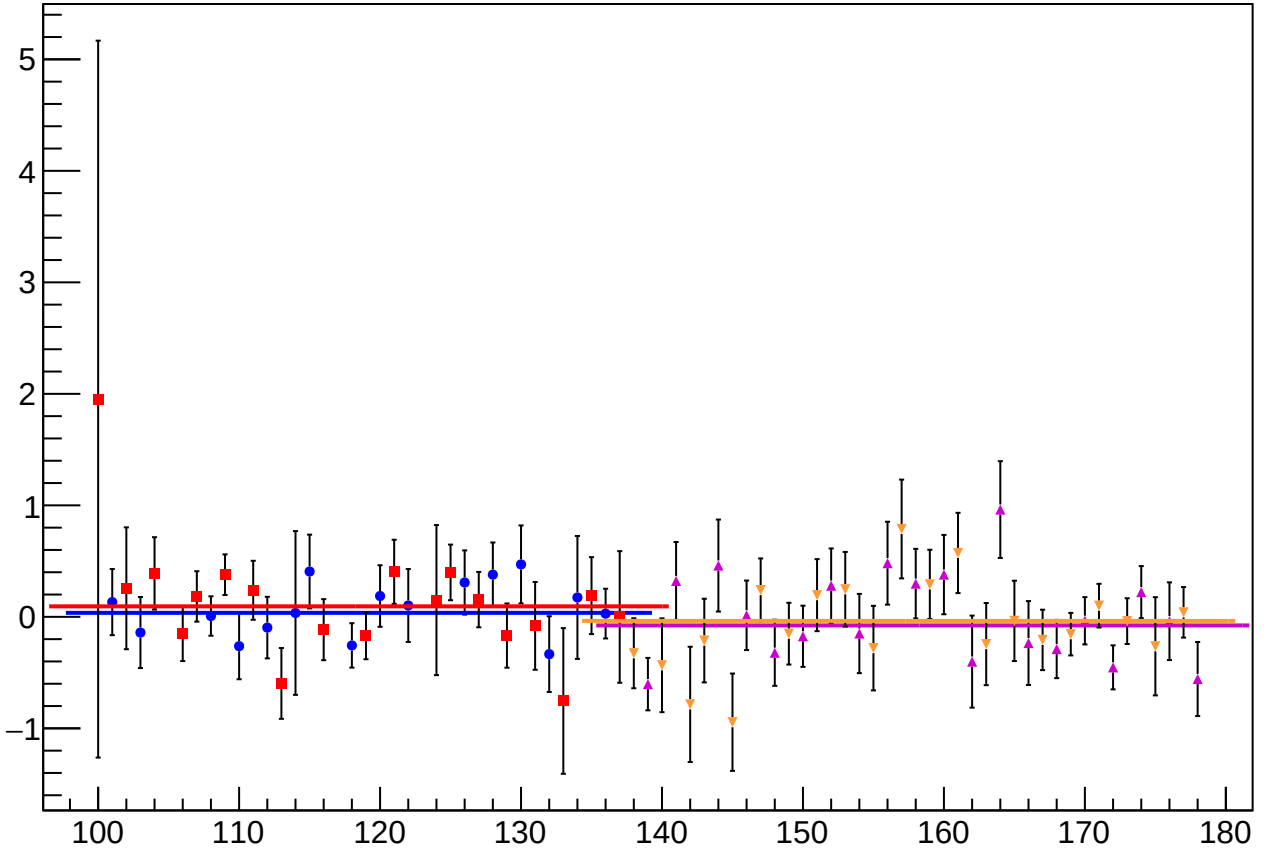
Left In: 0.007+/-0.000 χ^2/NDF:5445155.0/19

+ sign 0.008+/-0.000 χ^2/NDF: 9873526.9/36

All: 0.007+/-0.000 χ^2/NDF: 20267356.4/75

- sign 0.007+/-0.000 χ^2/NDF: 10090992.4/38

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: -0.036+/-0.065 χ^2/NDF:20.6/20

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

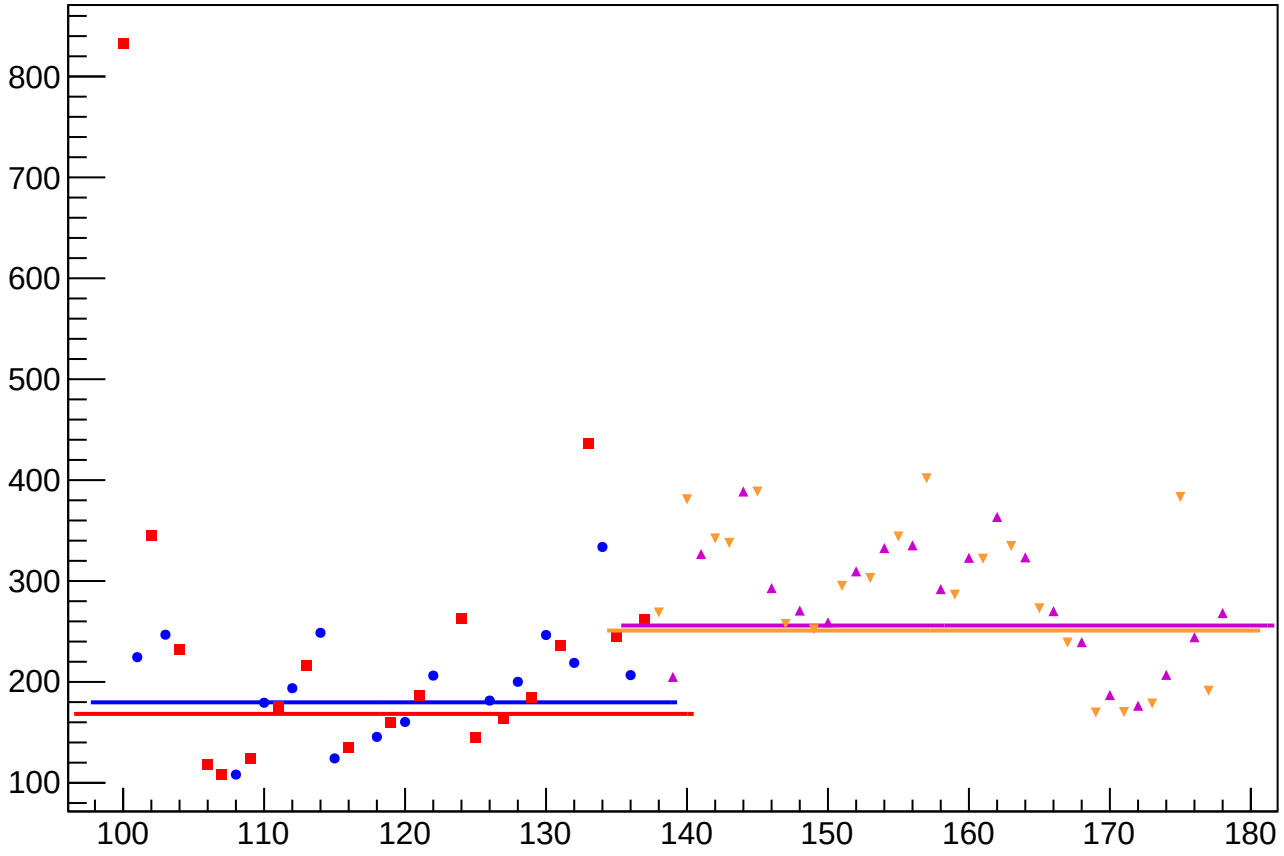
Left In: -0.077+/-0.067 χ^2/NDF:30.0/19

+ sign -0.003+/-0.048 χ^2/NDF: 31.7/36

All: 0.002+/-0.034 χ^2/NDF: 82.6/75

- sign 0.007+/-0.047 χ^2/NDF: 50.9/38

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: 250.936+/-0.046 χ^2/NDF:2495975.7/20

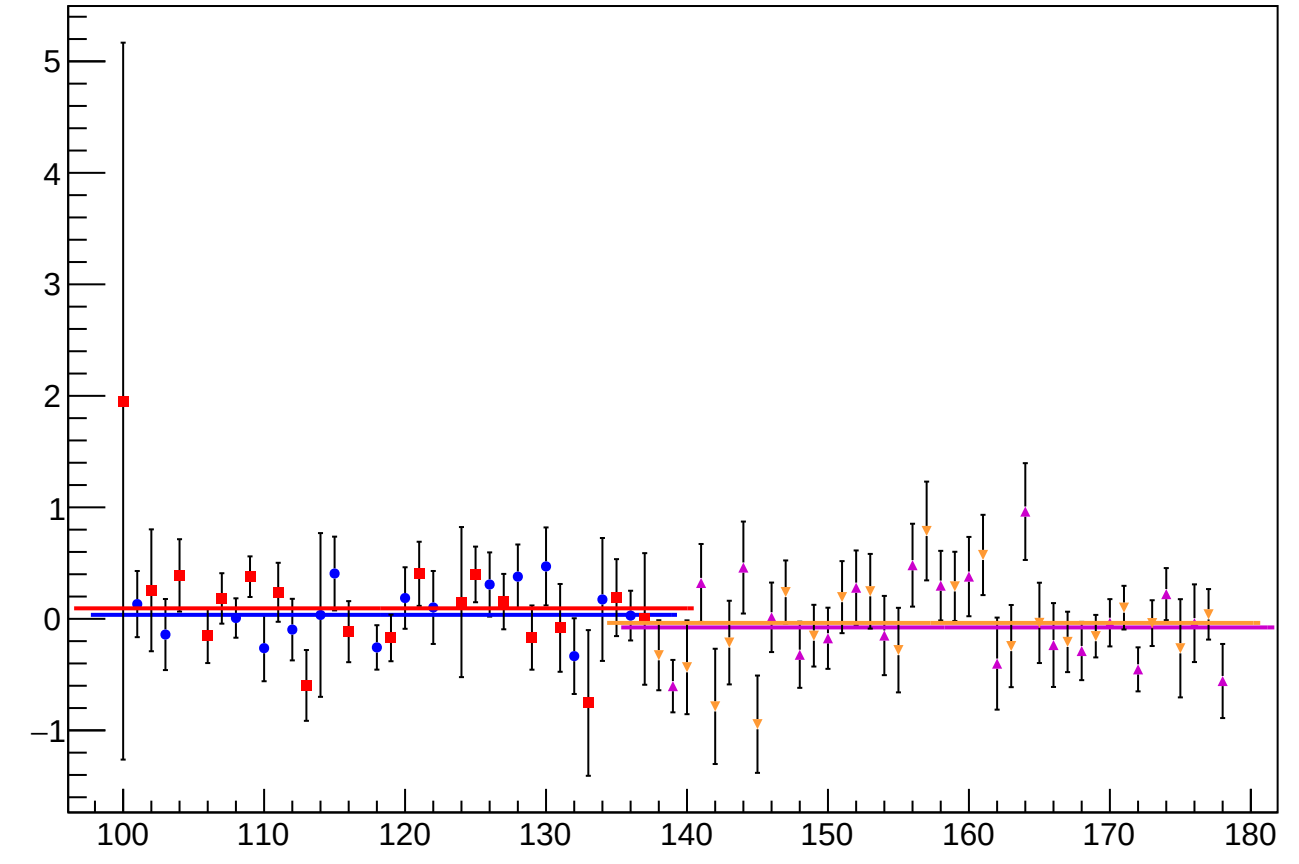
Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 255.895+/-0.047 χ^2/NDF:1574624.8/19

+ sign 218.286+/-0.034 χ^2/NDF: 4514064.8/36

All: 215.535+/-0.024 χ^2/NDF: 9214452.6/75

- sign 212.827+/-0.034 χ^2/NDF: 4687244.8/38



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.036+/-0.065 χ^2/NDF:20.6/20

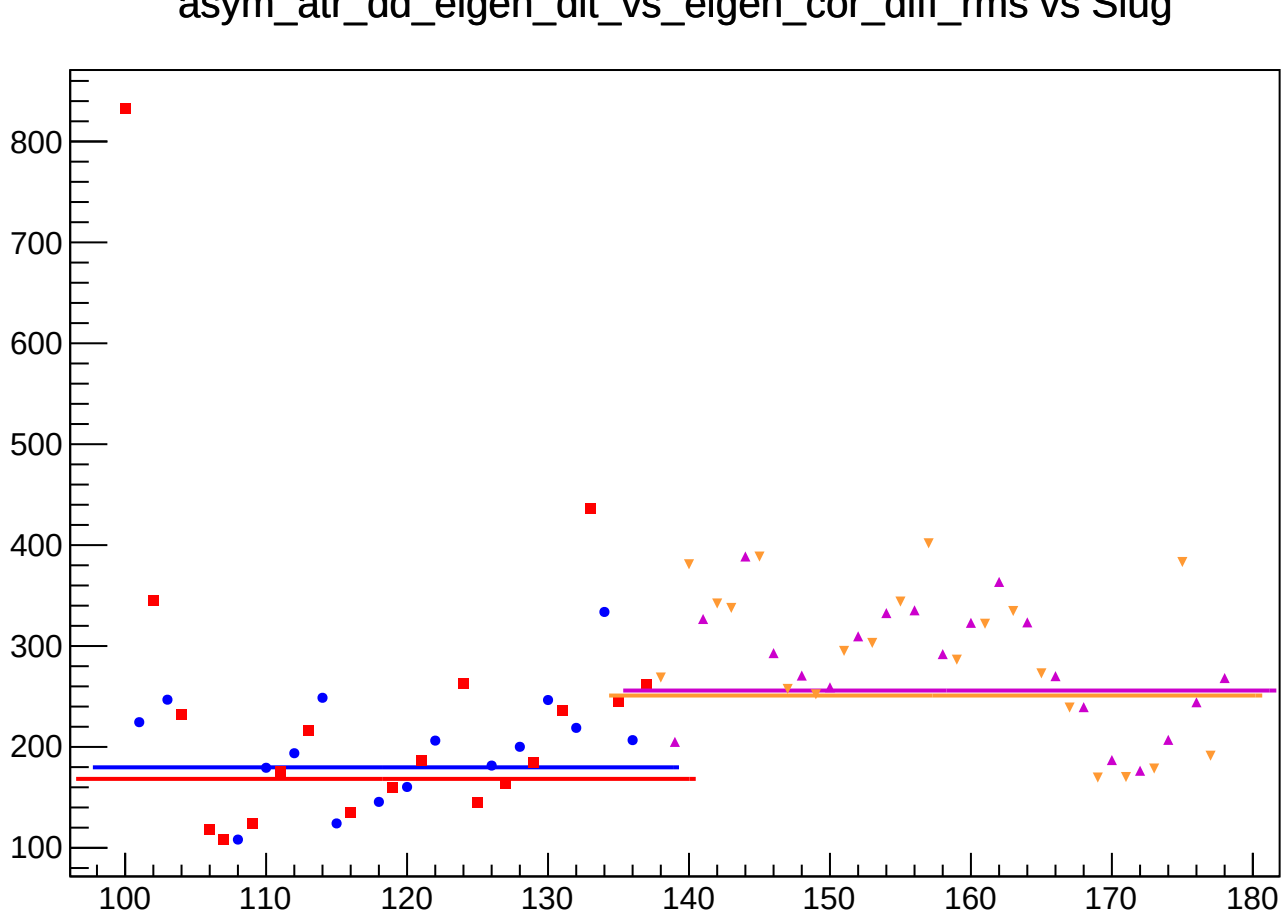
Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: -0.077+/-0.067 χ^2/NDF:30.0/19

\+ sign -0.003+/-0.048 χ^2/NDF: 31.7/36

All: 0.002+/-0.034 χ^2/NDF: 82.6/75

\- sign 0.007+/-0.047 χ^2/NDF: 50.9/38



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 250.936+/-0.046 χ^2/NDF:2495975.7/20

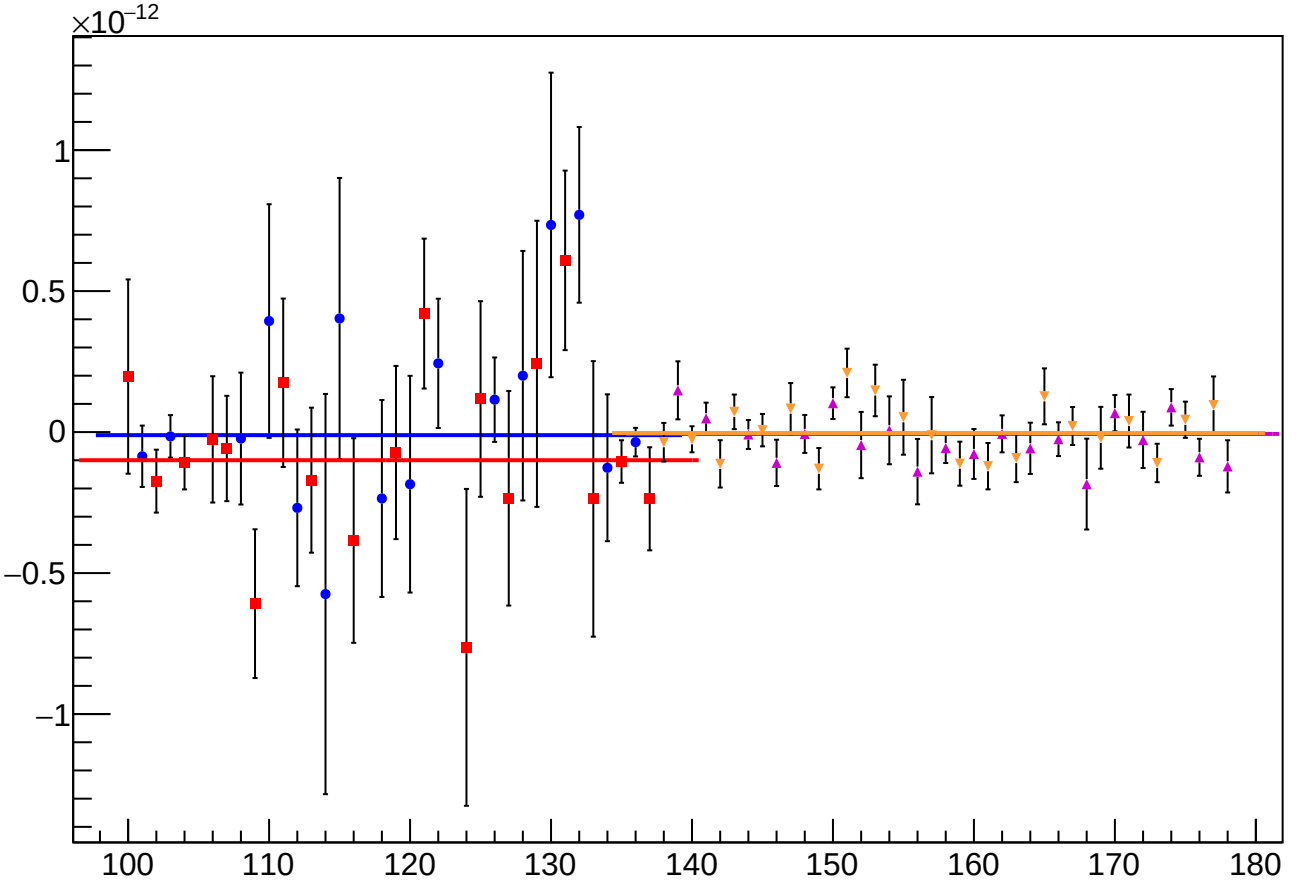
Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 255.895+/-0.047 χ^2/NDF:1574624.8/19

+ sign 218.286+/-0.034 χ^2/NDF: 4514064.8/36

All: 215.535+/-0.024 χ^2/NDF: 9214452.6/75

- sign 212.827+/-0.034 χ^2/NDF: 4687244.8/38



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

Left Out: -0.000+/-0.000 χ^2/NDF:27.7/20

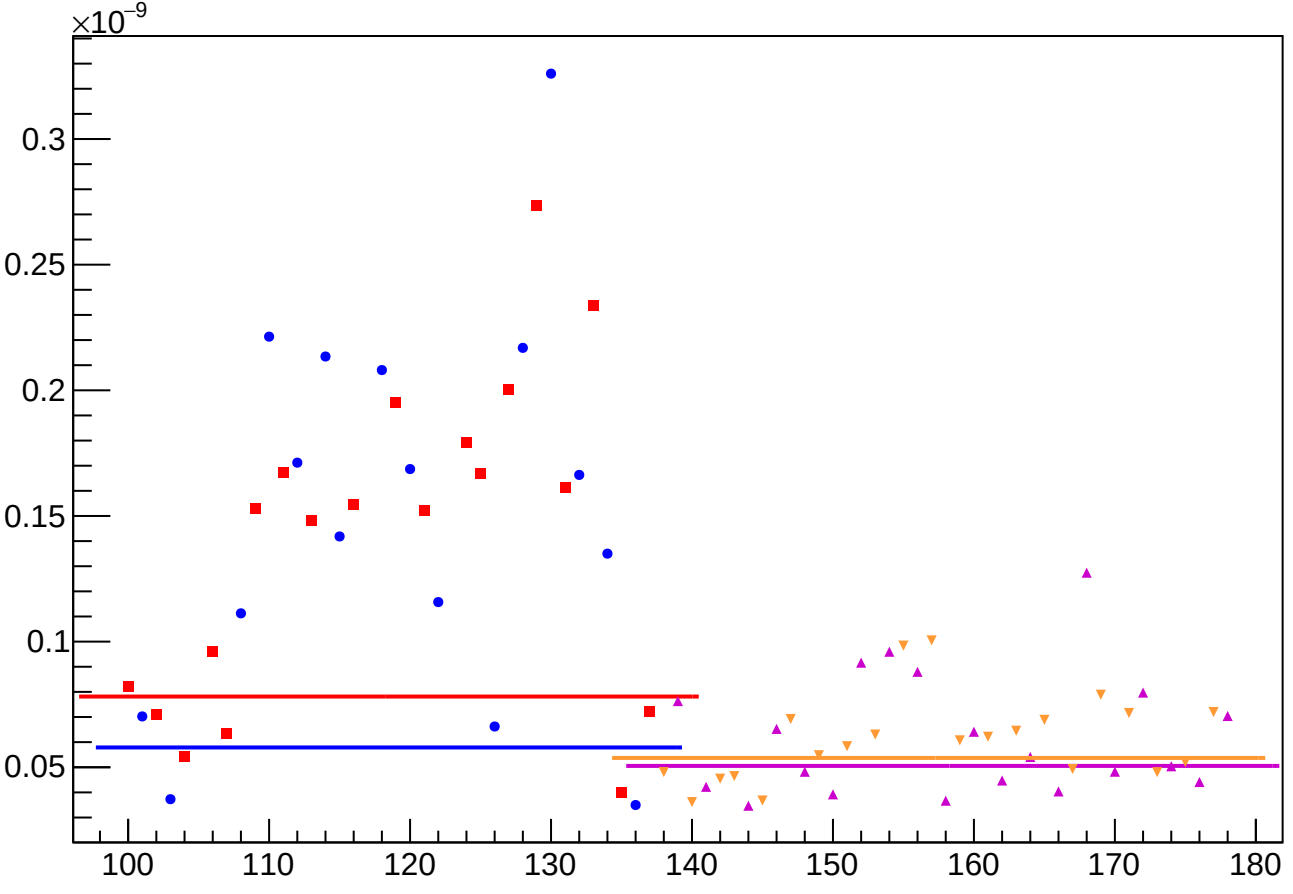
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:19.8/19

+ sign -0.000+/-0.000 χ^2/NDF: 42.7/36

All: -0.000+/-0.000 χ^2/NDF: 85.6/75

- sign -0.000+/-0.000 χ^2/NDF: 42.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1456574.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

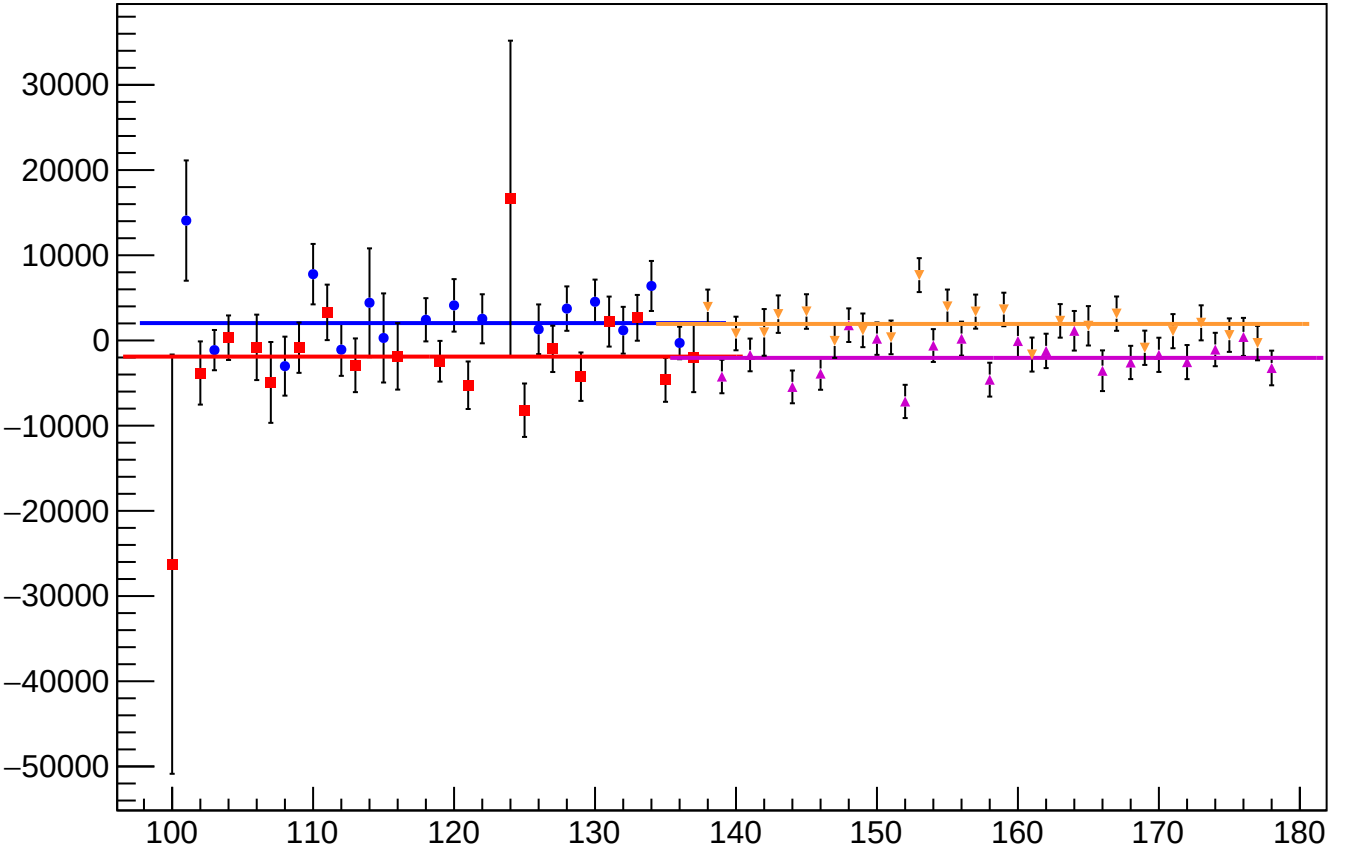
Left In: 0.000+/-0.000 χ^2/NDF:2244888.6/19

+ sign 0.000+/-0.000 χ^2/NDF: 4802428.2/36

All: 0.000+/-0.000 χ^2/NDF: 10527497.2/75

- sign 0.000+/-0.000 χ^2/NDF: 5724523.1/38

reg_asym_at1_avg_mean vs Slug



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 1939.644+/-445.480 χ^2/NDF:22.0/20

Right Out: -1895.242+/-736.762 χ^2/NDF: 18.5/18

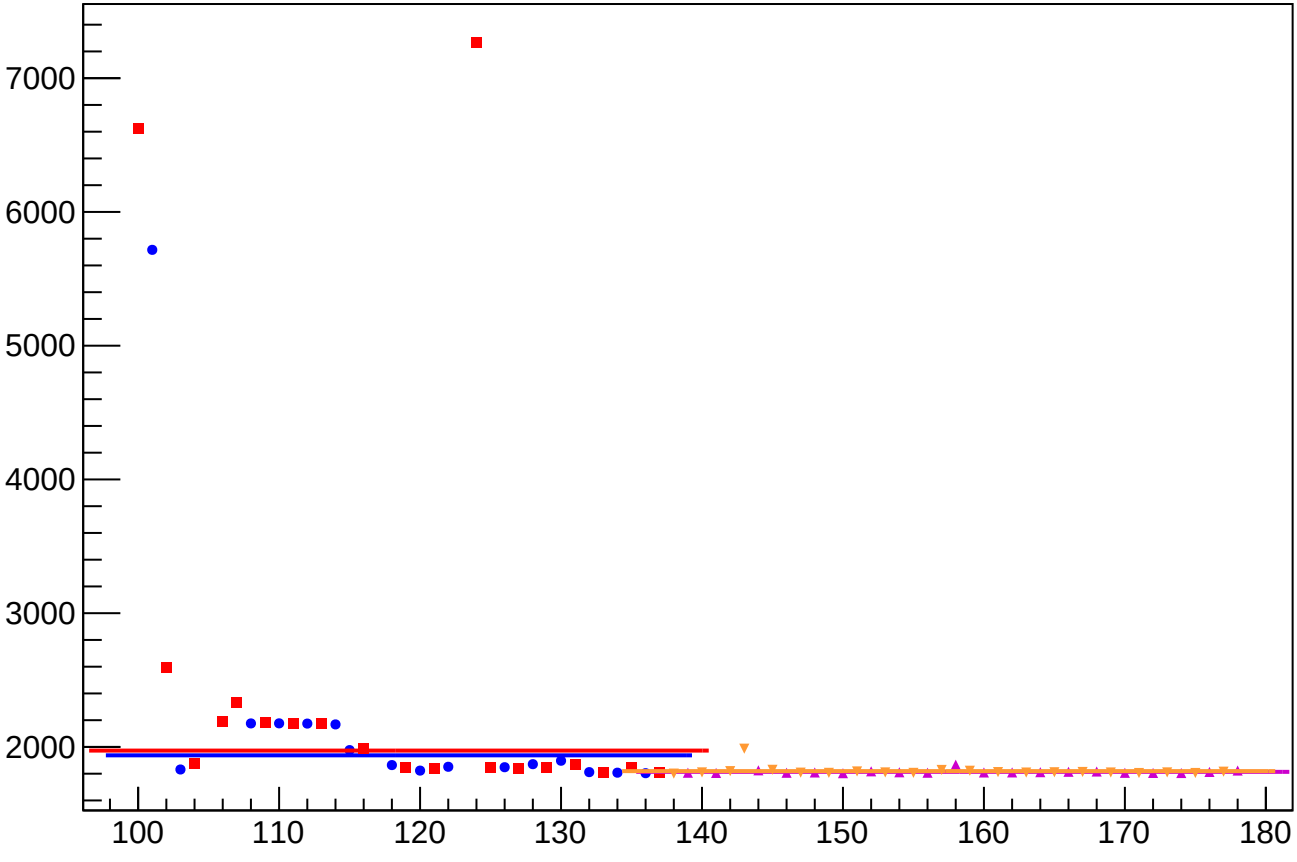
Left In: -2045.598+/-448.619 χ^2/NDF:26.3/19

+ sign 1966.329+/-381.136 χ^2/NDF: 38.5/36

All: -8.713+/-270.221 χ^2/NDF: 137.3/75

- sign -2004.929+/-383.174 χ^2/NDF: 44.8/38

reg_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1819.187+/-0.315 χ^2/NDF:12654.7/20

Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

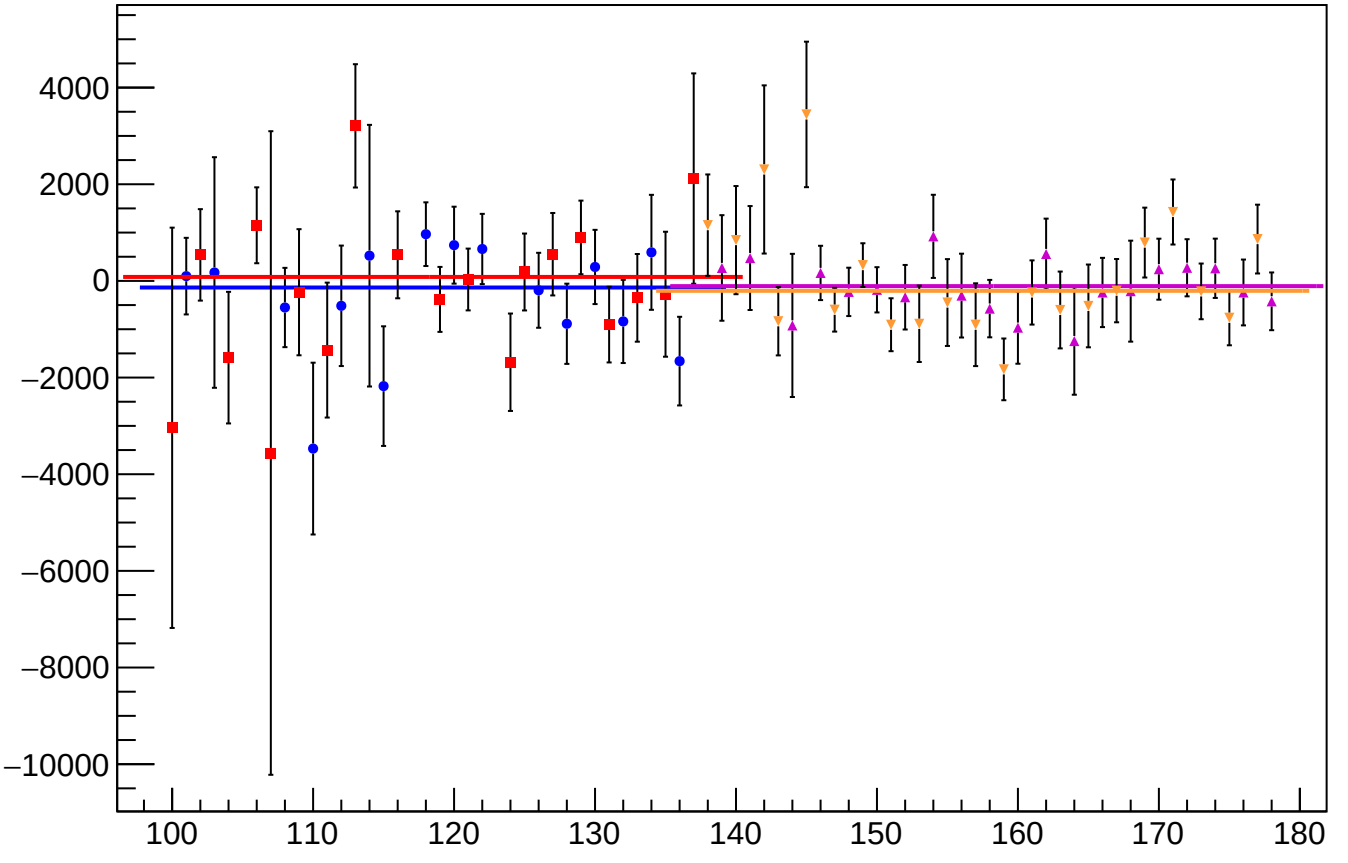
Left In: 1813.734+/-0.317 χ^2/NDF:1872.6/19

+ sign 1850.829+/-0.270 χ^2/NDF: 688397.5/36

All: 1853.773+/-0.191 χ^2/NDF: 1136022.5/75

- sign 1856.747+/-0.271 χ^2/NDF: 447385.2/38

asym_at1_avg_reg_correction_mean vs Slug



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: -205.024+/-150.786 χ^2/NDF:34.4/20

Right Out: 82.296+/-222.019 χ^2/NDF: 19.7/18

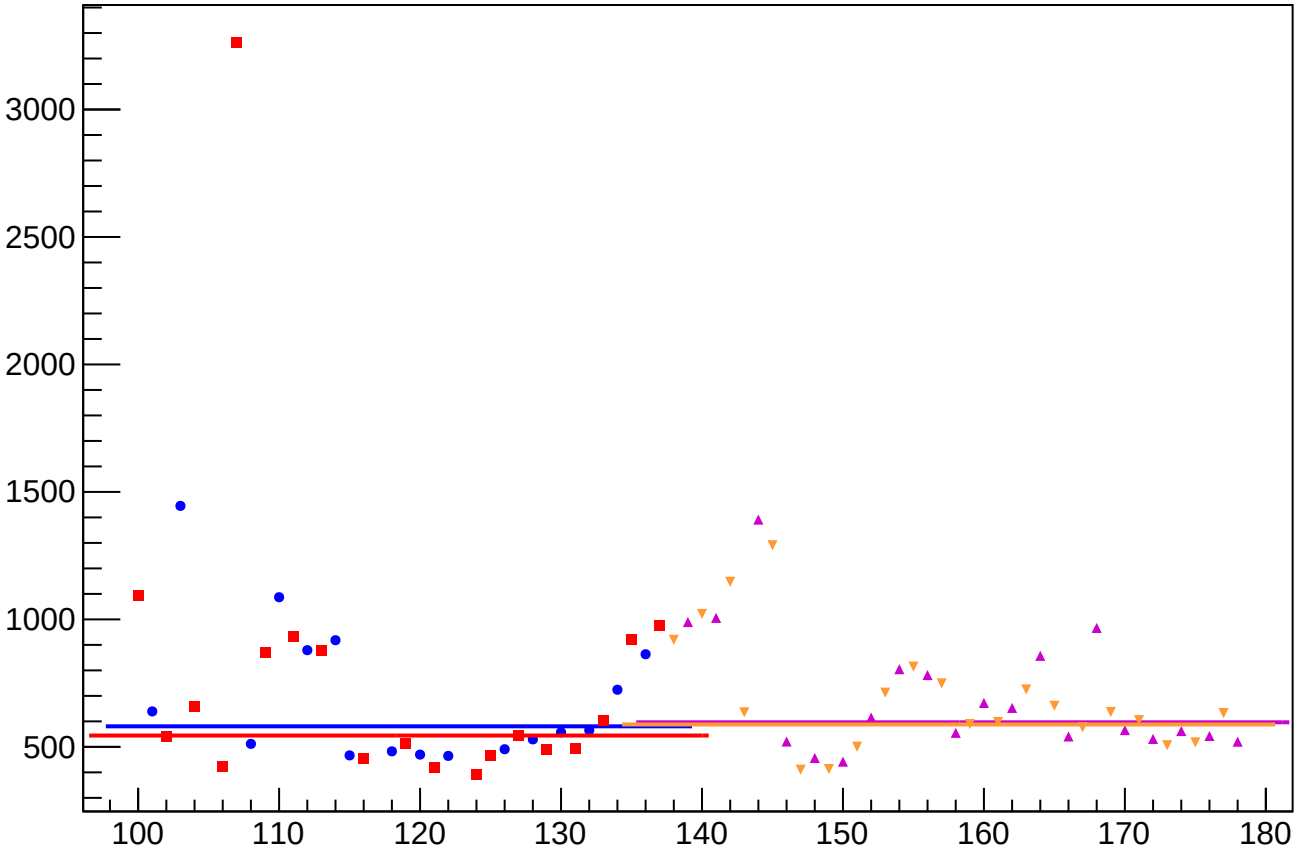
Left In: -107.935+/-154.363 χ^2/NDF:7.9/19

+ sign -184.522+/-126.173 χ^2/NDF: 51.4/36

All: -115.543+/-89.418 χ^2/NDF: 80.1/75

- sign -45.943+/-126.740 χ^2/NDF: 28.1/38

asym_at1_avg_reg_correction_rms vs Slug



Right In: 580.611+/-0.163 χ^2/NDF: 1003410.8/15

Left Out: 587.895+/-0.107 χ^2/NDF:2222567.7/20

Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

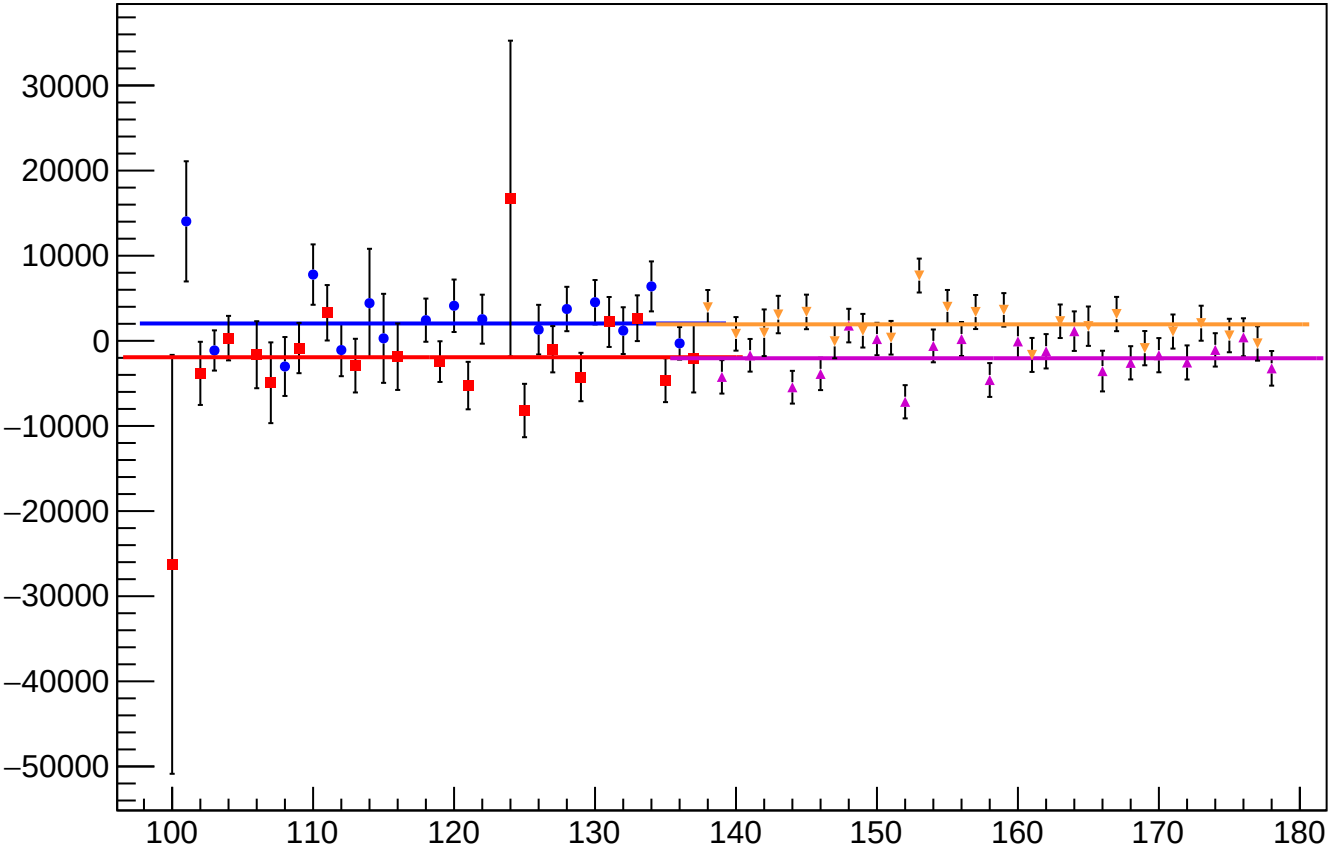
Left In: 596.380+/-0.109 χ^2/NDF:2240822.7/19

+ sign 585.711+/-0.089 χ^2/NDF: 3227377.7/36

All: 582.611+/-0.063 χ^2/NDF: 6831800.8/75

- sign 579.483+/-0.090 χ^2/NDF: 3601997.7/38

cor_asym_at1_avg_mean vs Slug



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 1939.618+/-445.480 χ^2/NDF:22.1/20

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

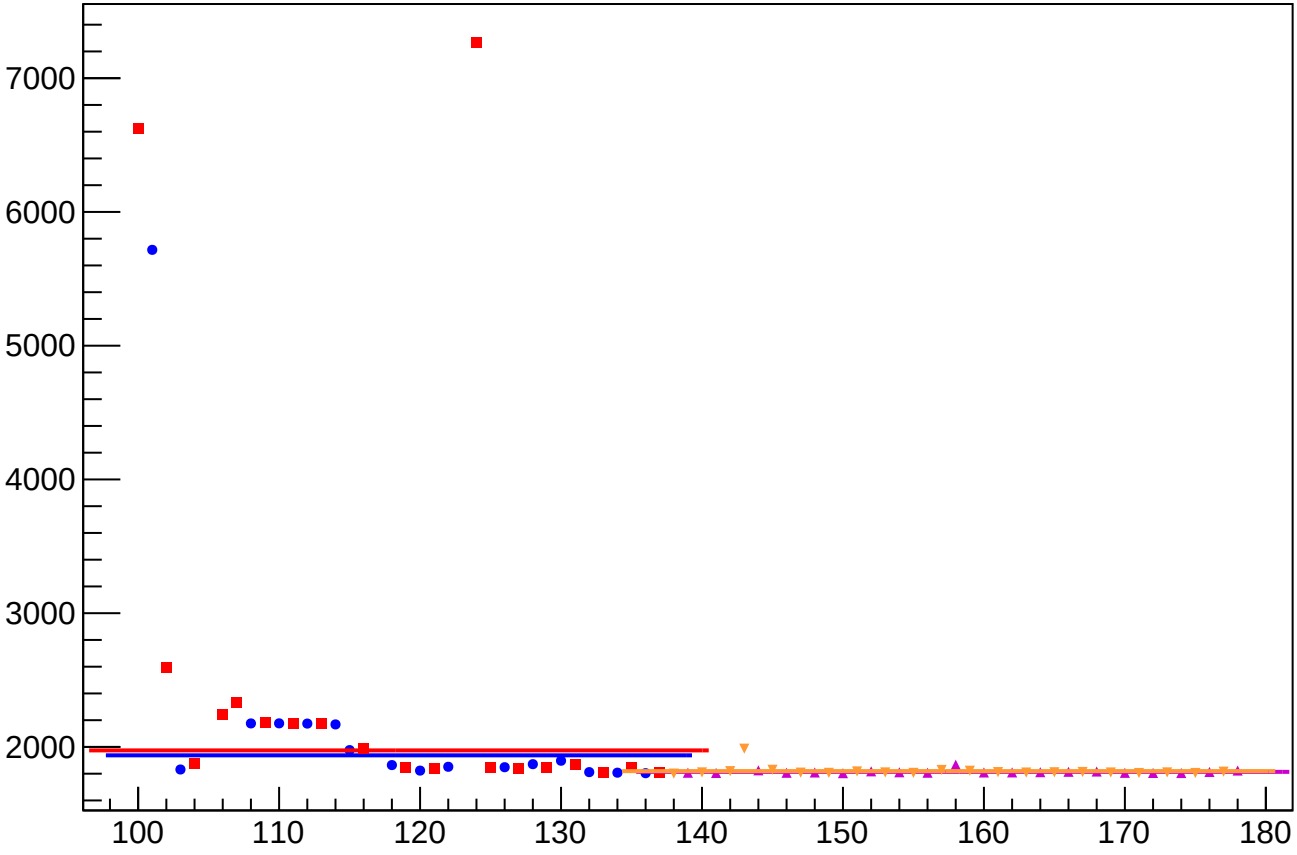
Left In: -2045.675+/-448.619 χ^2/NDF:26.3/19

+ sign 1966.211+/-381.136 χ^2/NDF: 38.5/36

All: -12.521+/-270.253 χ^2/NDF: 137.5/75

- sign -2013.418+/-383.265 χ^2/NDF: 44.8/38

cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1819.187+/-0.315 χ^2/NDF:12654.7/20

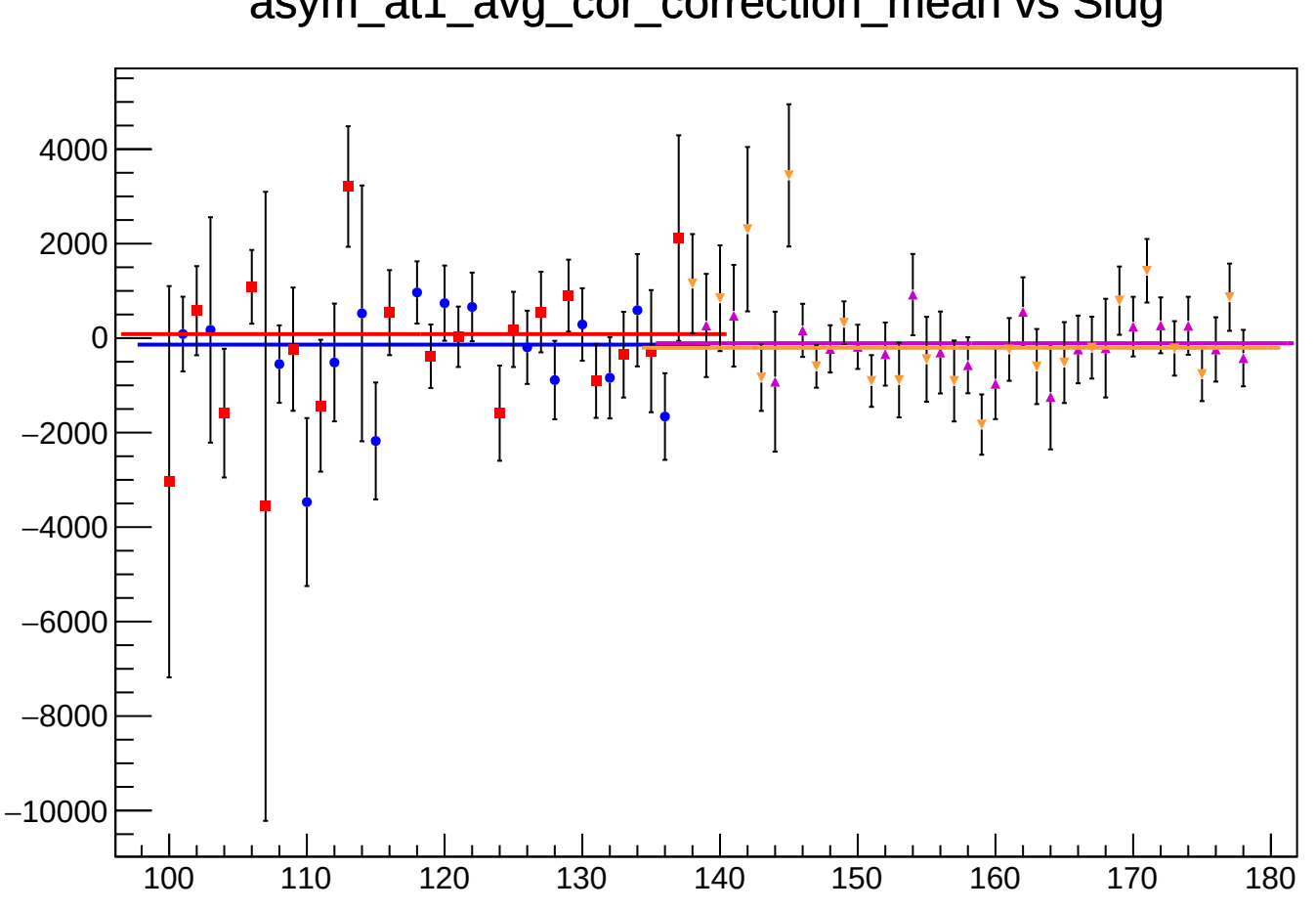
Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1813.734+/-0.317 χ^2/NDF:1872.6/19

+ sign 1850.829+/-0.270 χ^2/NDF: 688397.5/36

All: 1853.932+/-0.191 χ^2/NDF: 1140051.5/75

- sign 1857.069+/-0.271 χ^2/NDF: 451387.5/38



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -205.093+/-150.786 χ^2/NDF:34.4/20

Right Out: 84.947+/-221.881 χ^2/NDF: 19.3/18

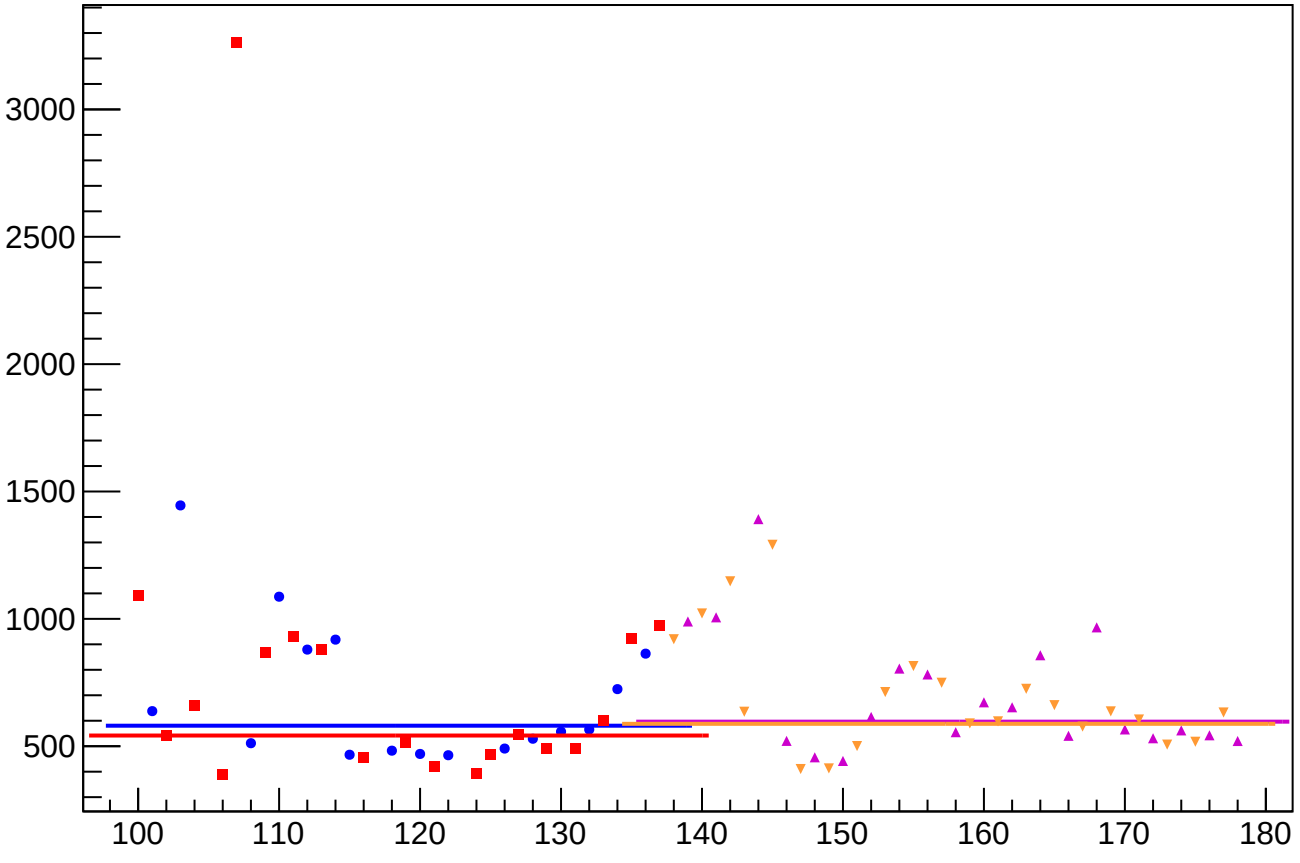
Left In: -107.983+/-154.365 χ^2/NDF:7.9/19

+ sign -184.819+/-126.165 χ^2/NDF: 51.4/36

All: -115.243+/-89.406 χ^2/NDF: 79.7/75

- sign -45.058+/-126.716 χ^2/NDF: 27.7/38

asym_at1_avg_cor_correction_rms vs Slug



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 587.893+/-0.107 χ^2/NDF:2222687.0/20

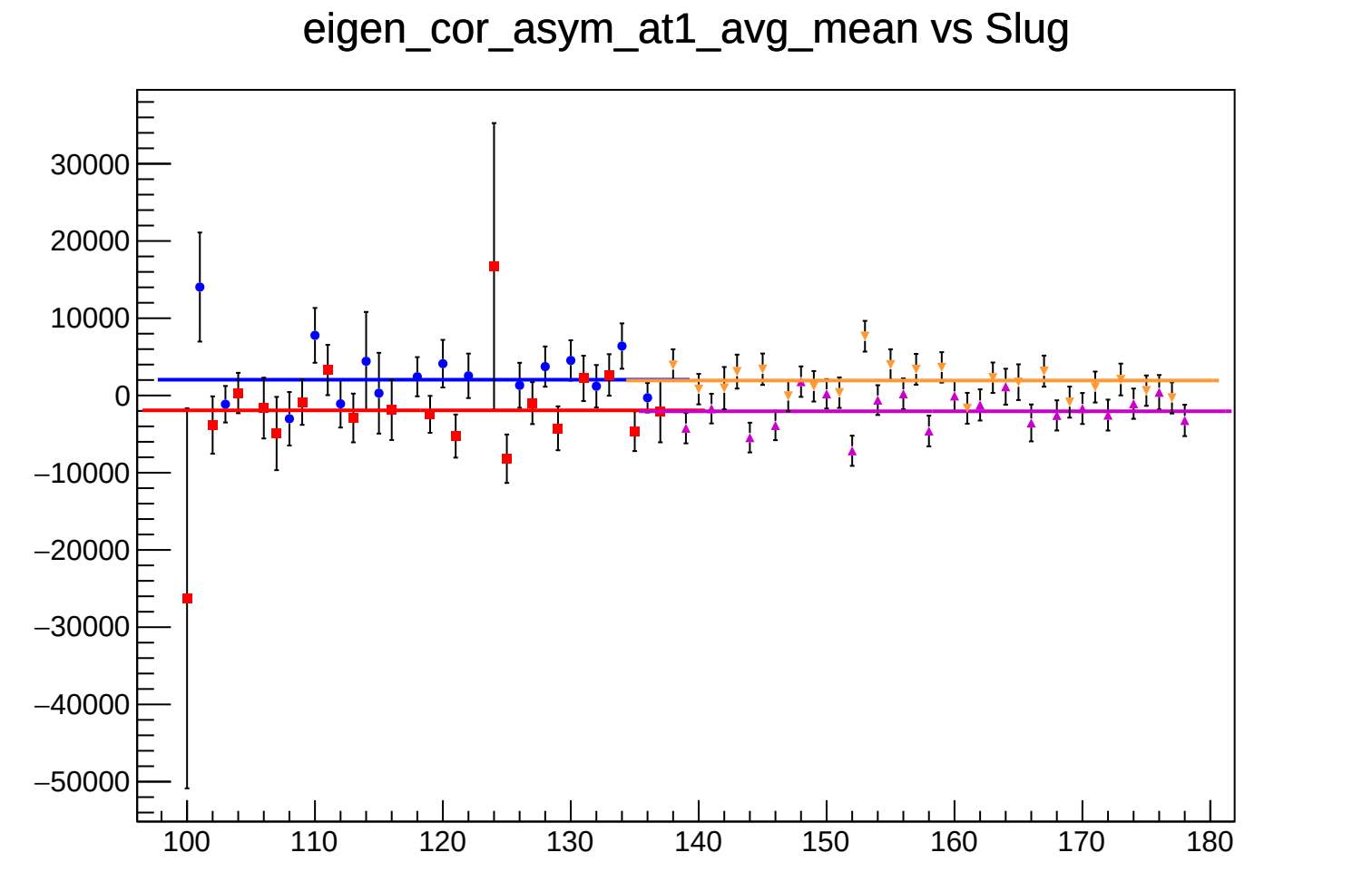
Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 596.387+/-0.109 χ^2/NDF:2240841.3/19

+ sign 585.681+/-0.089 χ^2/NDF: 3227021.9/36

All: 582.170+/-0.063 χ^2/NDF: 6870980.7/75

- sign 578.628+/-0.090 χ^2/NDF: 3640847.6/38



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 1939.618+/-445.480 χ^2/NDF:22.1/20

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

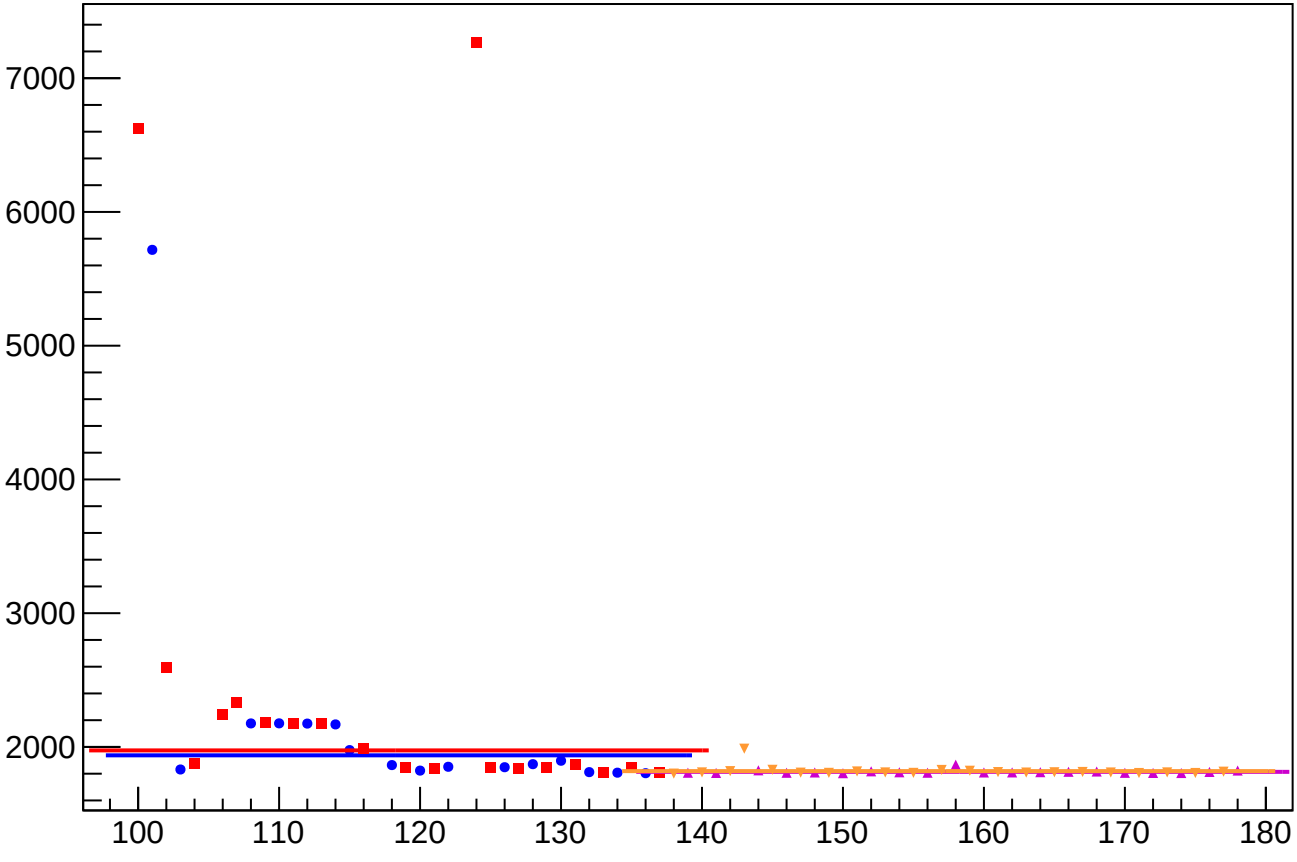
Left In: -2045.675+/-448.619 χ^2/NDF:26.3/19

+ sign 1966.211+/-381.136 χ^2/NDF: 38.5/36

All: -12.521+/-270.253 χ^2/NDF: 137.5/75

- sign -2013.418+/-383.265 χ^2/NDF: 44.8/38

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1819.187+/-0.315 χ^2/NDF:12654.7/20

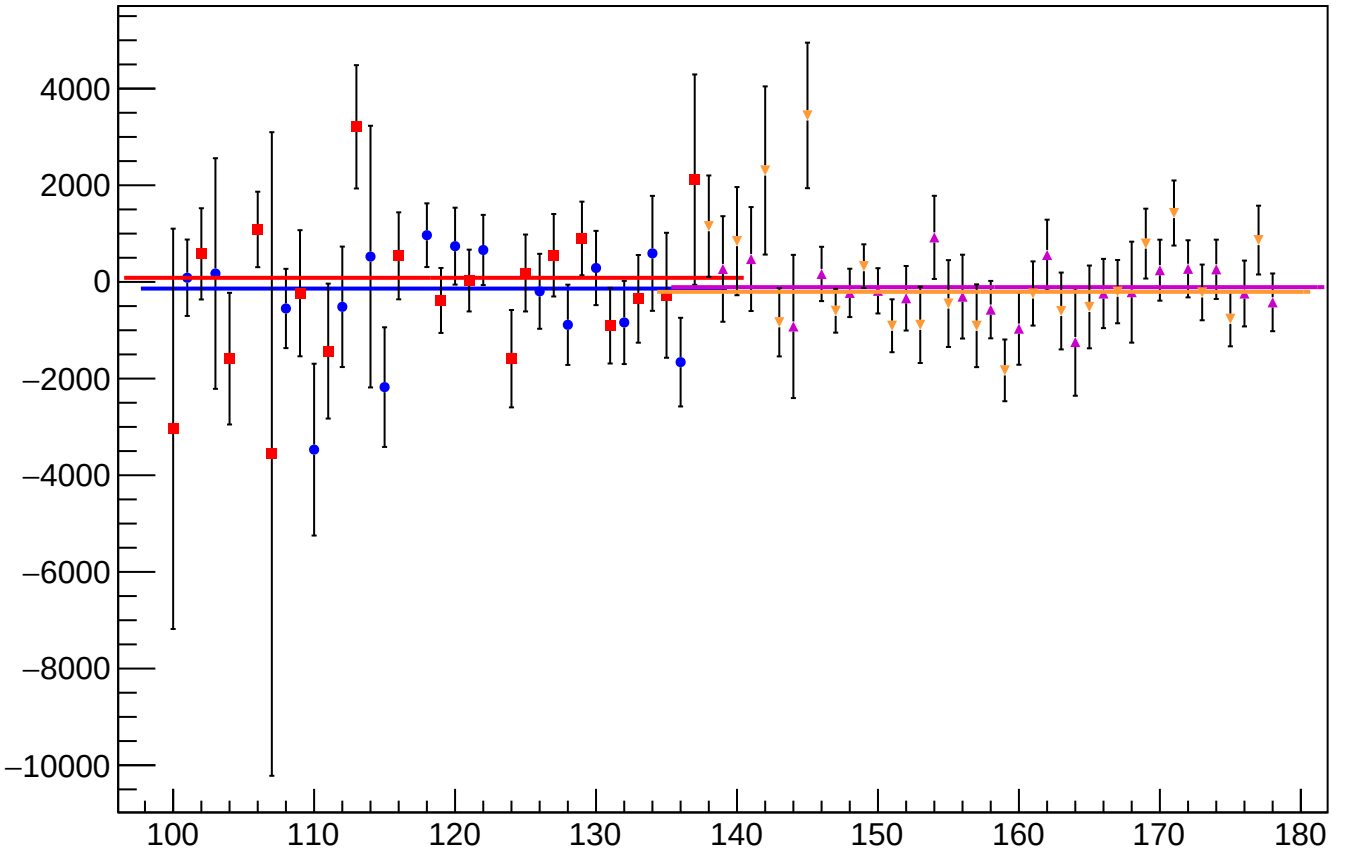
Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1813.734+/-0.317 χ^2/NDF:1872.6/19

+ sign 1850.829+/-0.270 χ^2/NDF: 688397.5/36

All: 1853.932+/-0.191 χ^2/NDF: 1140051.5/75

- sign 1857.069+/-0.271 χ^2/NDF: 451387.5/38



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -205.093+/-150.786 χ^2/NDF:34.4/20

Right Out: 84.947+/-221.881 χ^2/NDF: 19.3/18

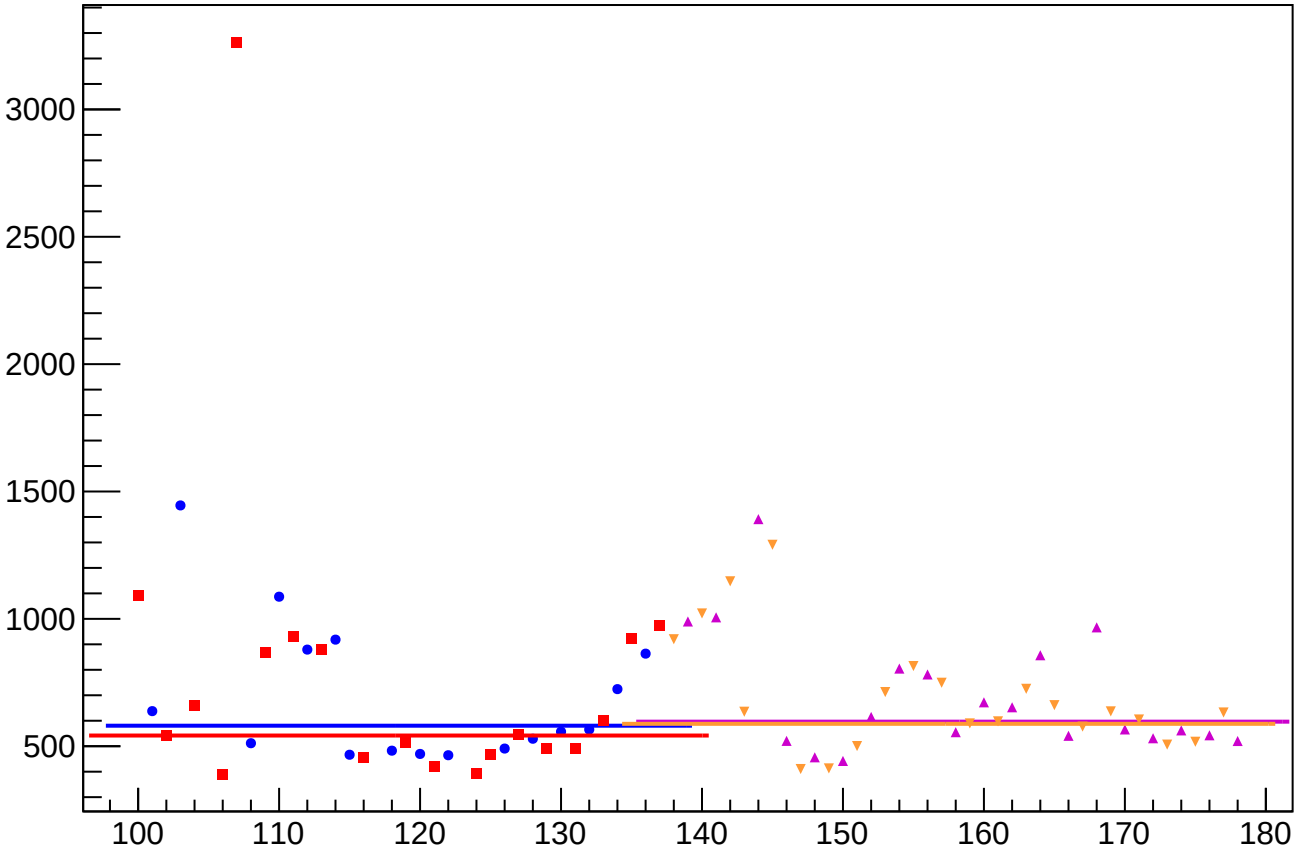
Left In: -107.983+/-154.365 χ^2/NDF:7.9/19

+ sign -184.819+/-126.165 χ^2/NDF: 51.4/36

All: -115.243+/-89.406 χ^2/NDF: 79.7/75

- sign -45.058+/-126.716 χ^2/NDF: 27.7/38

asym_at1_avg_eigen_cor_correction_rms vs Slug



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 587.893+/-0.107 χ^2/NDF:2222687.0/20

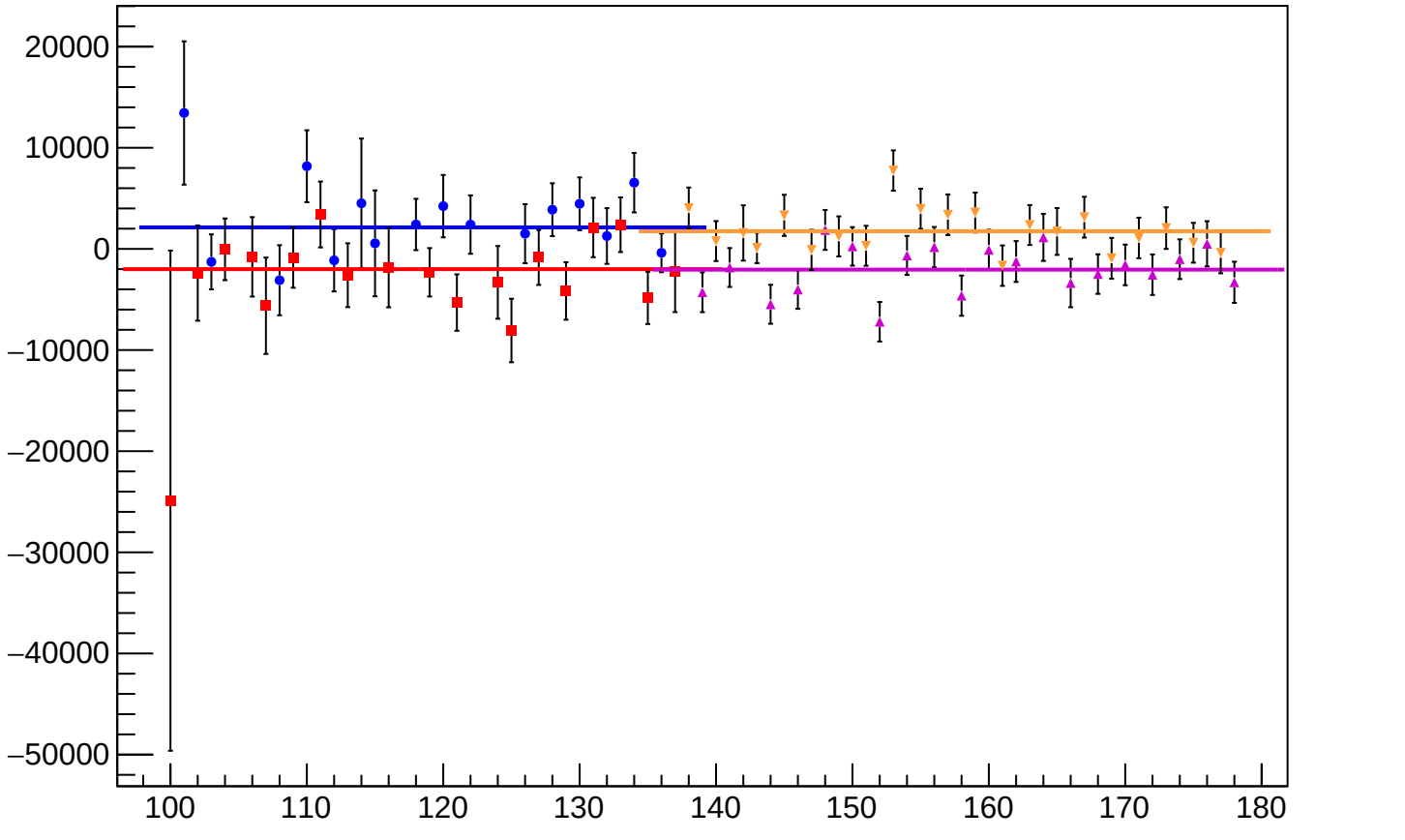
Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 596.387+/-0.109 χ^2/NDF:2240841.3/19

+ sign 585.681+/-0.089 χ^2/NDF: 3227021.9/36

All: 582.170+/-0.063 χ^2/NDF: 6870980.7/75

- sign 578.628+/-0.090 χ^2/NDF: 3640847.6/38



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1746.035+/-436.005 χ^2/NDF:23.4/20

Right Out: -2002.220+/-737.195 χ^2/NDF: 16.7/18

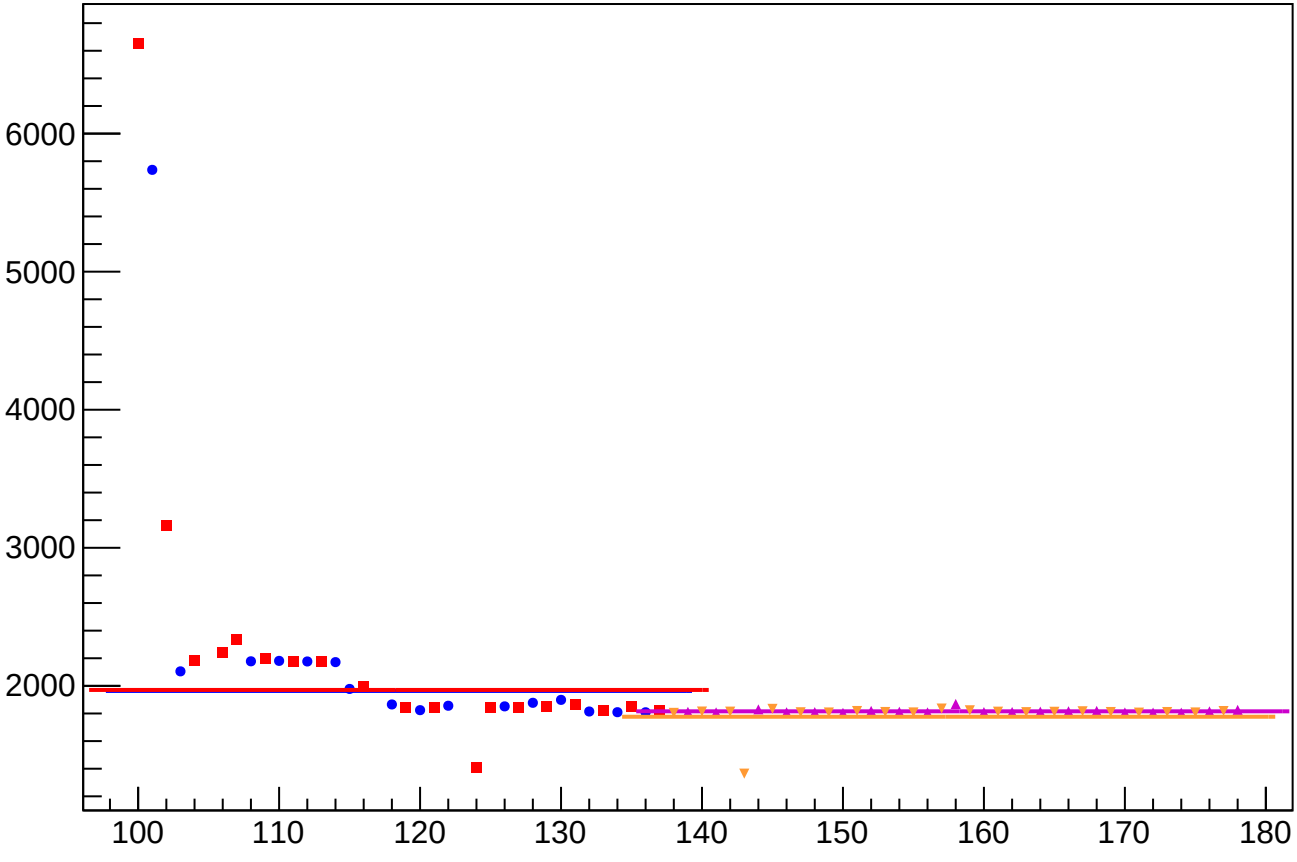
Left In: -2049.259+/-449.100 χ^2/NDF:26.8/19

+ sign 1843.433+/-376.459 χ^2/NDF: 40.1/36

All: -60.428+/-268.663 χ^2/NDF: 135.7/75

- sign -2036.527+/-383.534 χ^2/NDF: 43.5/38

dit_asym_at1_avg_rms vs Slug



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1776.426+/-0.308 χ^2/NDF:163261.4/20

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

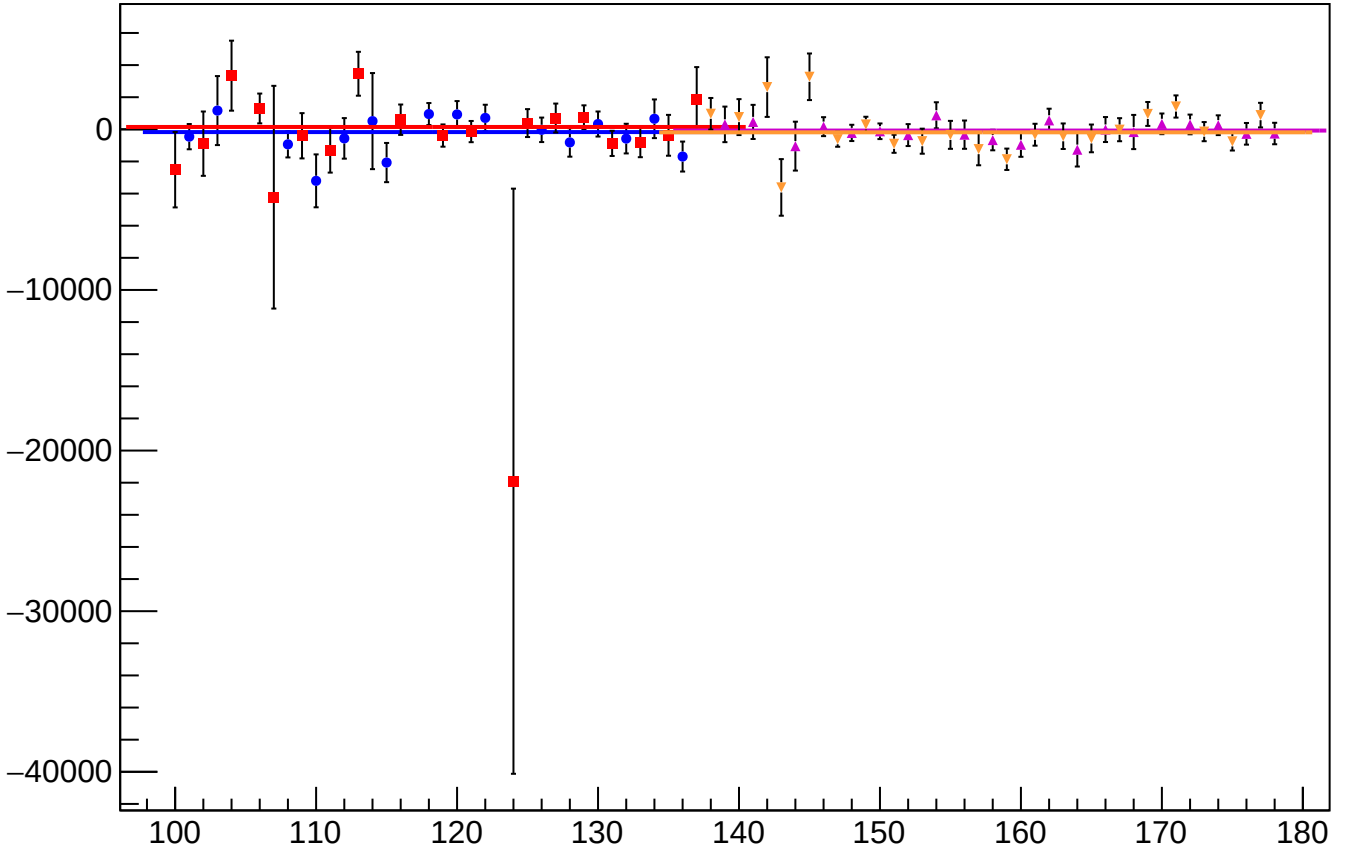
Left In: 1815.660+/-0.318 χ^2/NDF:1943.0/19

+ sign 1824.013+/-0.266 χ^2/NDF: 897132.2/36

All: 1840.474+/-0.190 χ^2/NDF: 1316318.3/75

- sign 1857.560+/-0.271 χ^2/NDF: 411393.4/38

asym_at1_avg_dit_correction_mean vs Slug



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: -185.542+/-158.817 χ^2/NDF:36.4/20

Right Out: 147.489+/-242.848 χ^2/NDF: 20.1/18

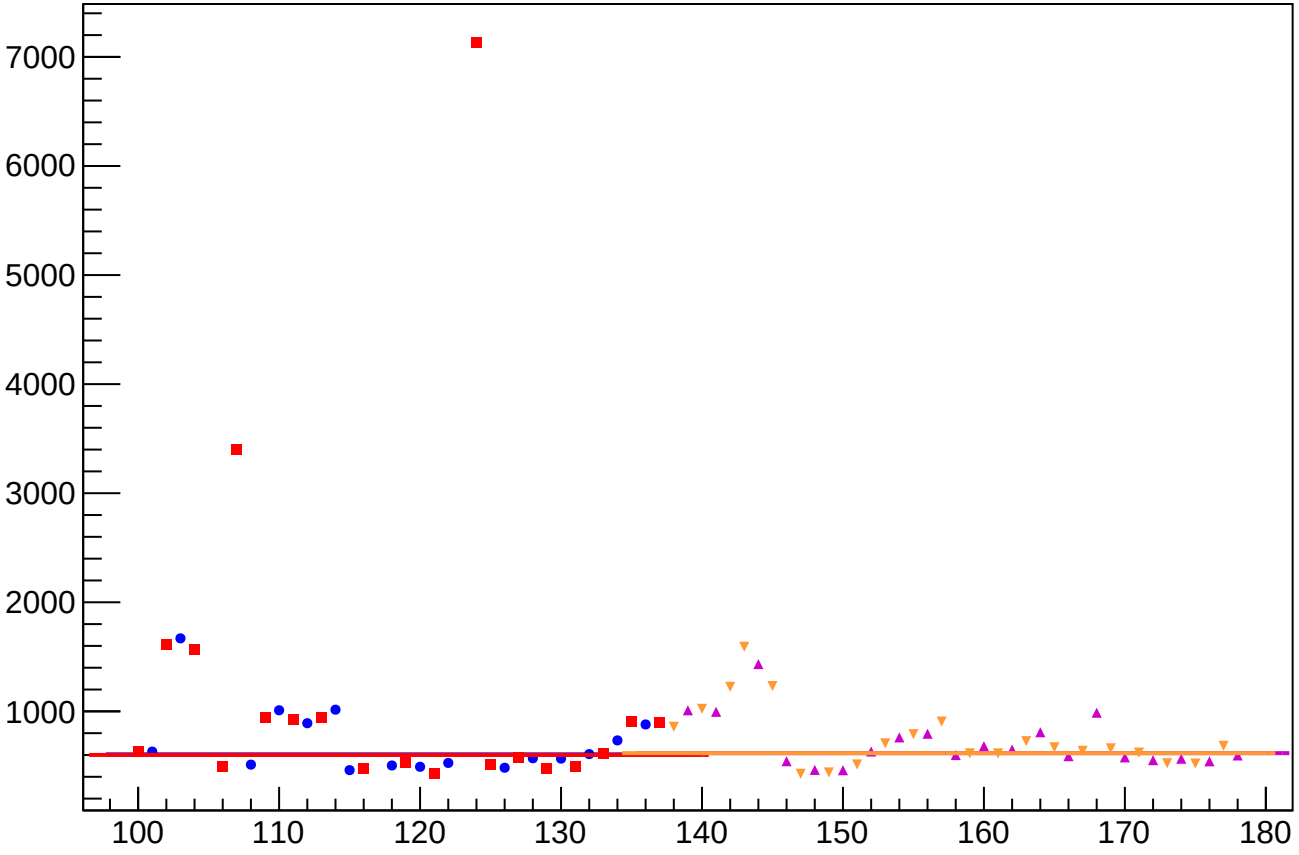
Left In: -76.271+/-158.547 χ^2/NDF:8.2/19

+ sign -180.963+/-131.918 χ^2/NDF: 53.7/36

All: -95.726+/-93.576 χ^2/NDF: 83.4/75

- sign -9.400+/-132.758 χ^2/NDF: 28.9/38

asym_at1_avg_dit_correction_rms vs Slug



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 616.862+/-0.112 χ^2/NDF:2678229.6/20

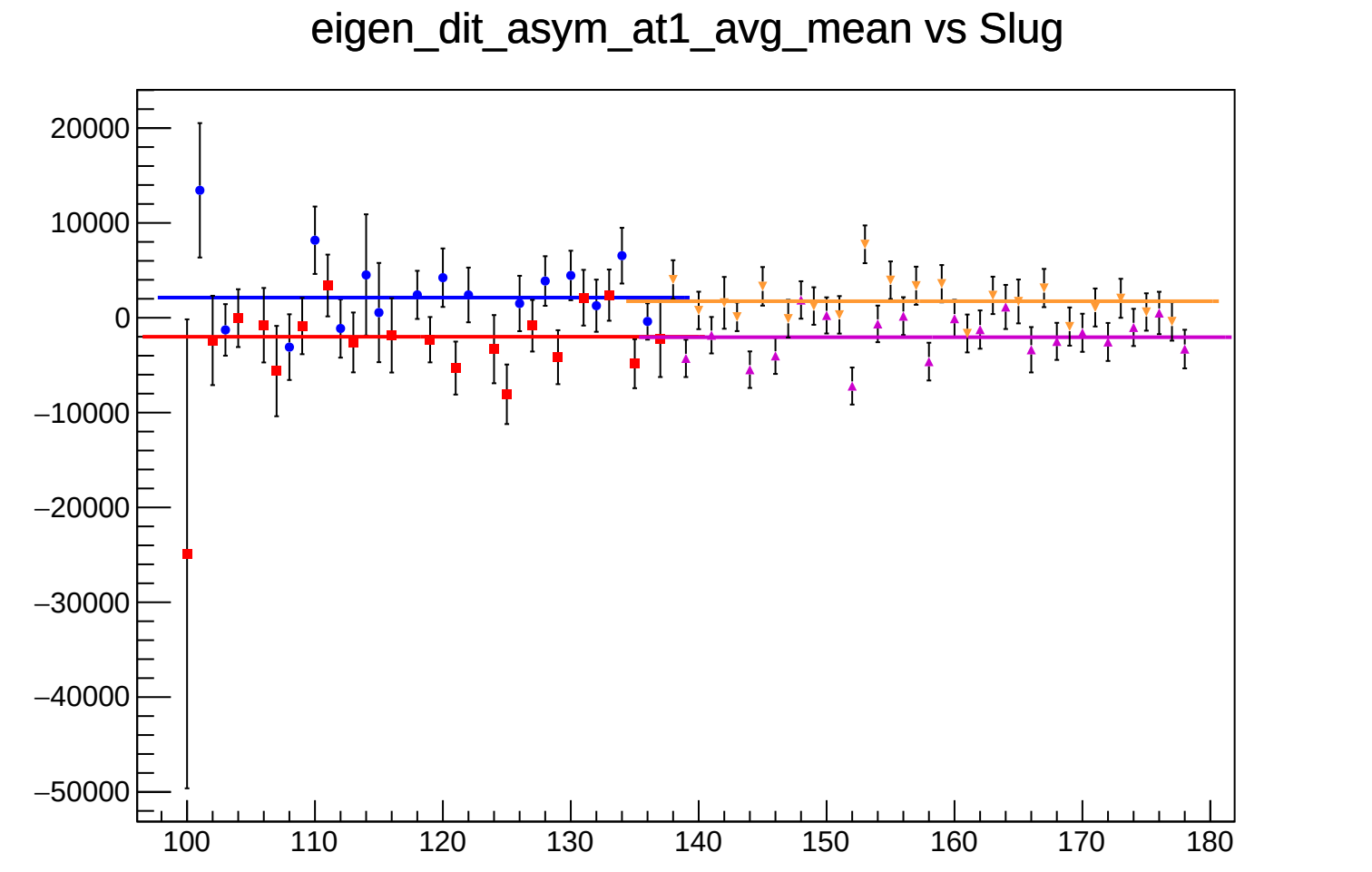
Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

Left In: 616.816+/-0.112 χ^2/NDF:2051657.9/19

+ sign 613.318+/-0.093 χ^2/NDF: 3843897.5/36

All: 612.625+/-0.066 χ^2/NDF: 8230561.4/75

- sign 611.924+/-0.094 χ^2/NDF: 4386553.0/38



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1746.036+/-436.005 χ^2/NDF:23.4/20

Right Out: -2002.218+/-737.195 χ^2/NDF: 16.7/18

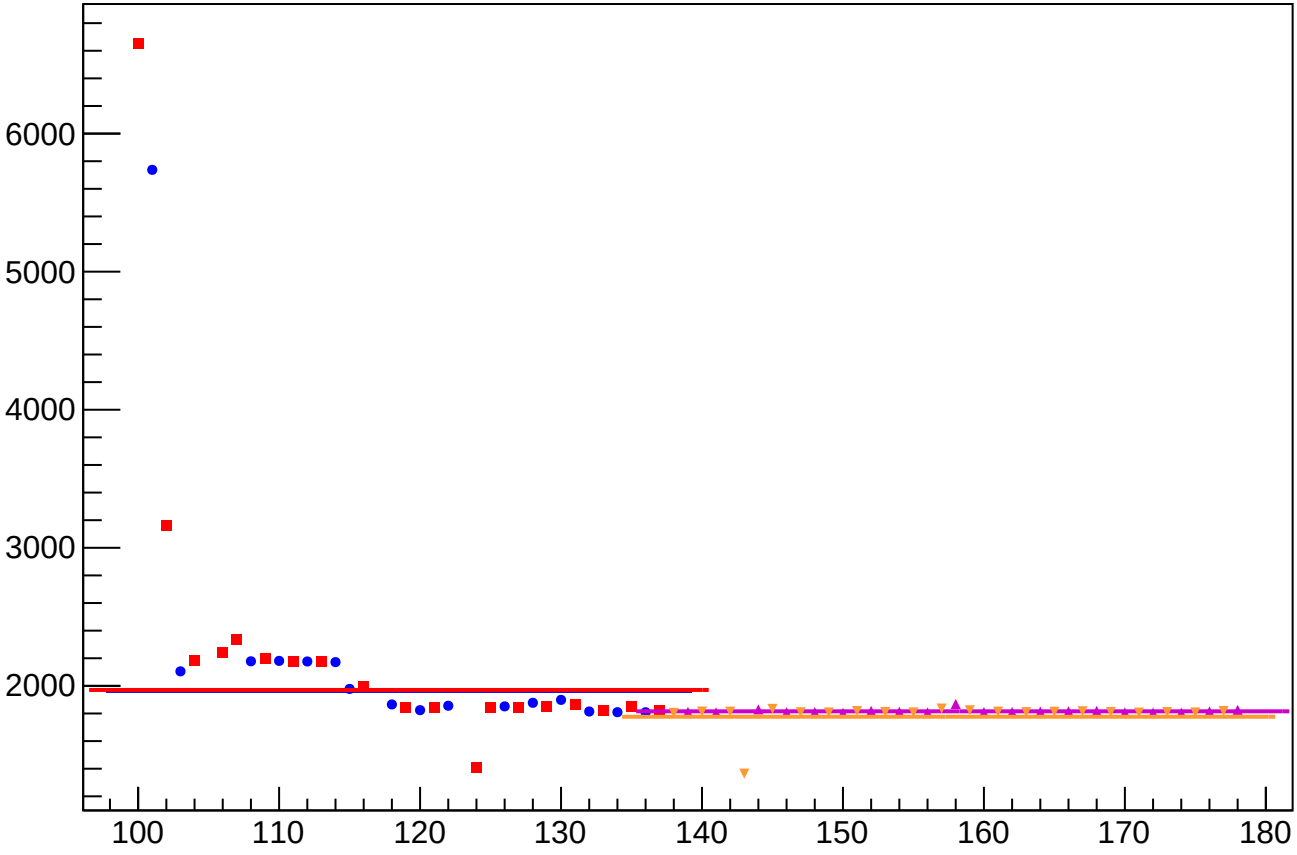
Left In: -2049.259+/-449.100 χ^2/NDF:26.8/19

+ sign 1843.433+/-376.459 χ^2/NDF: 40.1/36

All: -60.428+/-268.663 χ^2/NDF: 135.7/75

- sign -2036.527+/-383.534 χ^2/NDF: 43.5/38

eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1776.426+/-0.308 χ^2/NDF:163261.4/20

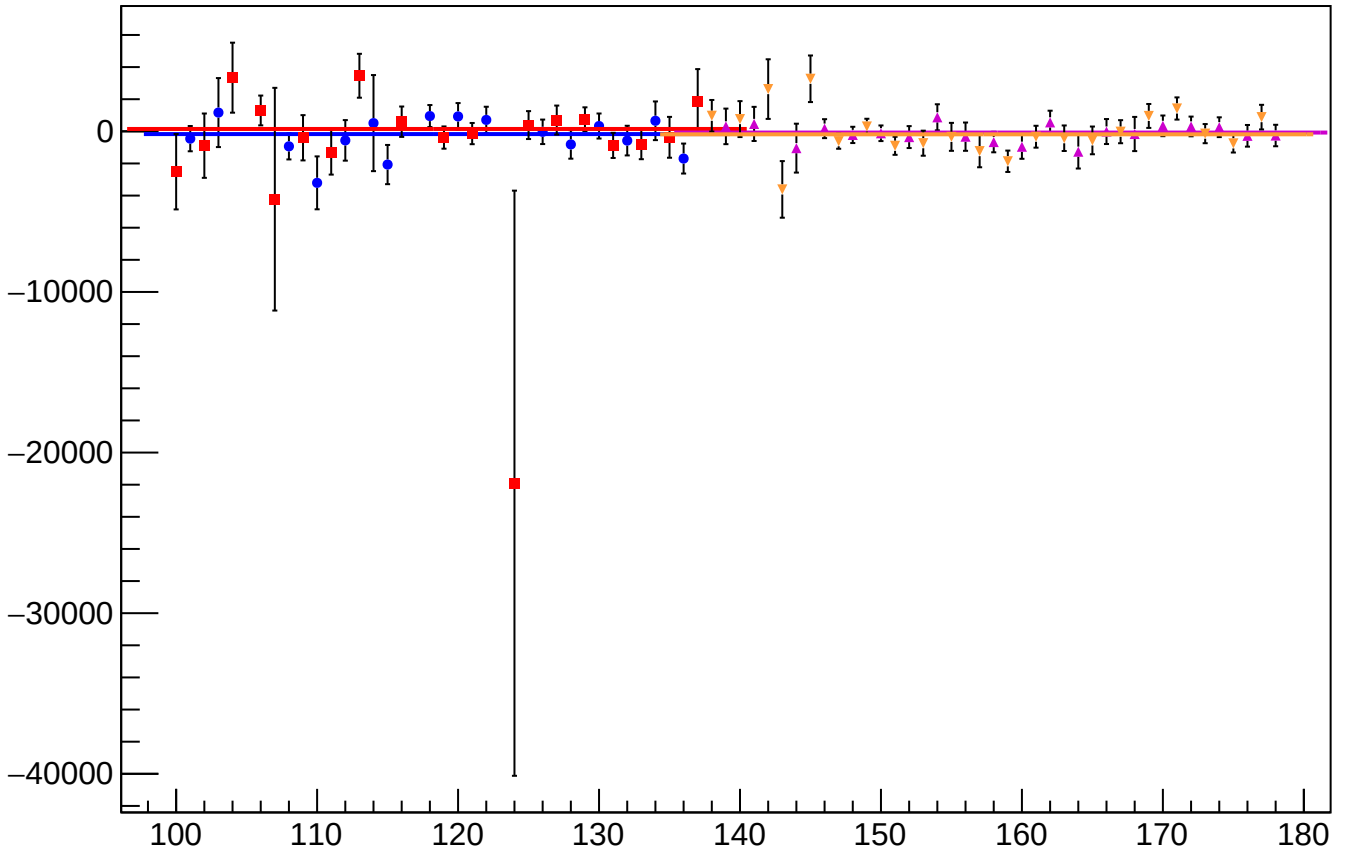
Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1815.660+/-0.318 χ^2/NDF:1943.0/19

+ sign 1824.013+/-0.266 χ^2/NDF: 897131.6/36

All: 1840.474+/-0.190 χ^2/NDF: 1316316.3/75

- sign 1857.560+/-0.271 χ^2/NDF: 411391.9/38



Right In: -170.773+/-236.912 χ^2/NDF: 17.2/15

Left Out: -185.542+/-158.818 χ^2/NDF:36.4/20

Right Out: 147.489+/-242.847 χ^2/NDF: 20.1/18

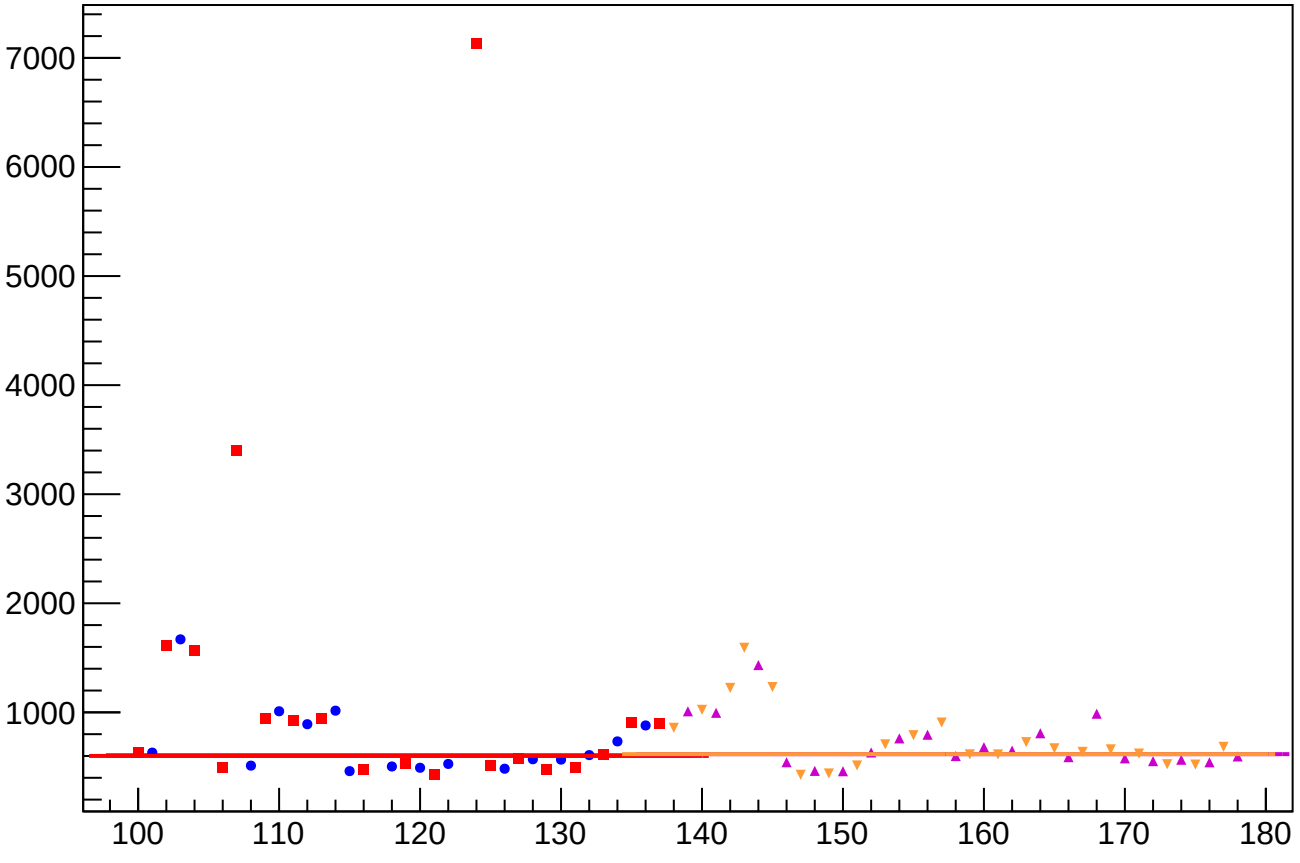
Left In: -76.271+/-158.547 χ^2/NDF:8.2/19

+ sign -180.963+/-131.919 χ^2/NDF: 53.7/36

All: -95.726+/-93.576 χ^2/NDF: 83.4/75

- sign -9.400+/-132.758 χ^2/NDF: 28.9/38

asym_at1_avg_eigen_dit_correction_rms vs Slug



Right In: 605.429+/-0.168 χ^2/NDF: 1162462.4/15

Left Out: 616.863+/-0.112 χ^2/NDF:2678223.1/20

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

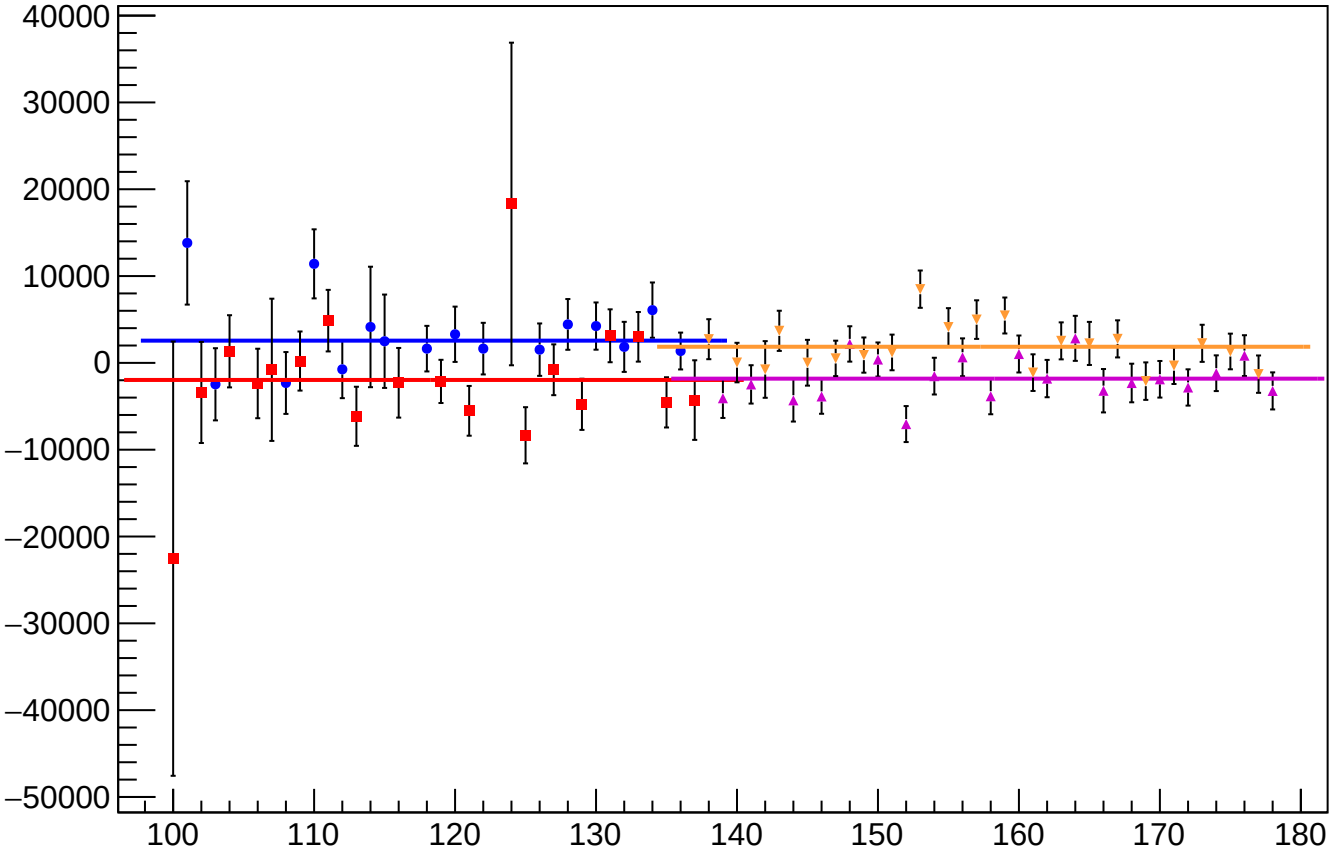
Left In: 616.817+/-0.112 χ^2/NDF:2051653.6/19

+ sign 613.318+/-0.093 χ^2/NDF: 3843900.2/36

All: 612.626+/-0.066 χ^2/NDF: 8230569.2/75

- sign 611.924+/-0.094 χ^2/NDF: 4386558.1/38

asym_at1_avg_mean vs Slug



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 1857.648+/-480.858 χ^2/NDF:27.9/20

Right Out: -1966.731+/-818.839 χ^2/NDF: 21.6/18

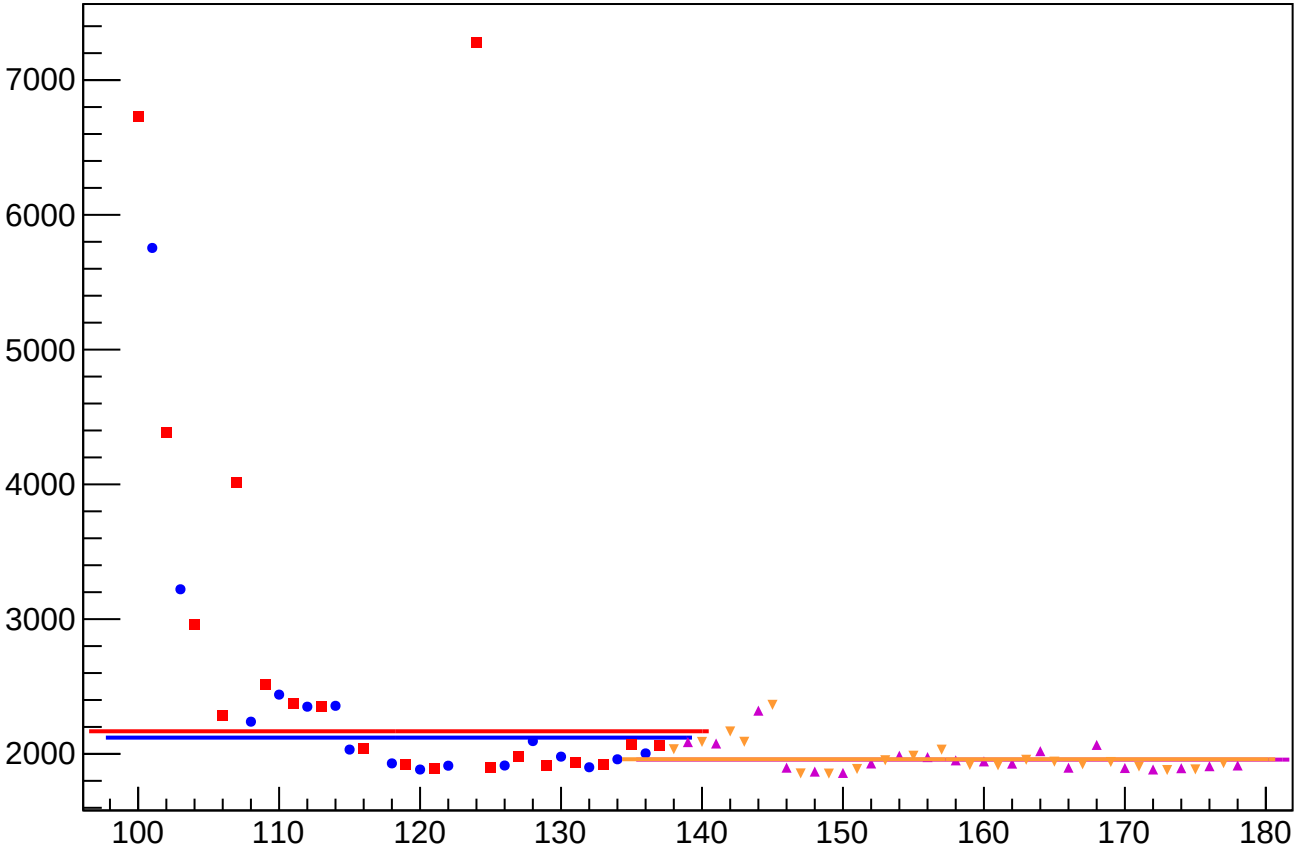
Left In: -1817.394+/-484.923 χ^2/NDF:24.3/19

+ sign 2041.038+/-413.440 χ^2/NDF: 43.0/36

All: 110.287+/-293.683 χ^2/NDF: 132.9/75

- sign -1856.169+/-417.246 χ^2/NDF: 45.9/38

asym_at1_avg_rms vs Slug



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 1960.267+/-0.340 χ^2/NDF:95050.1/20

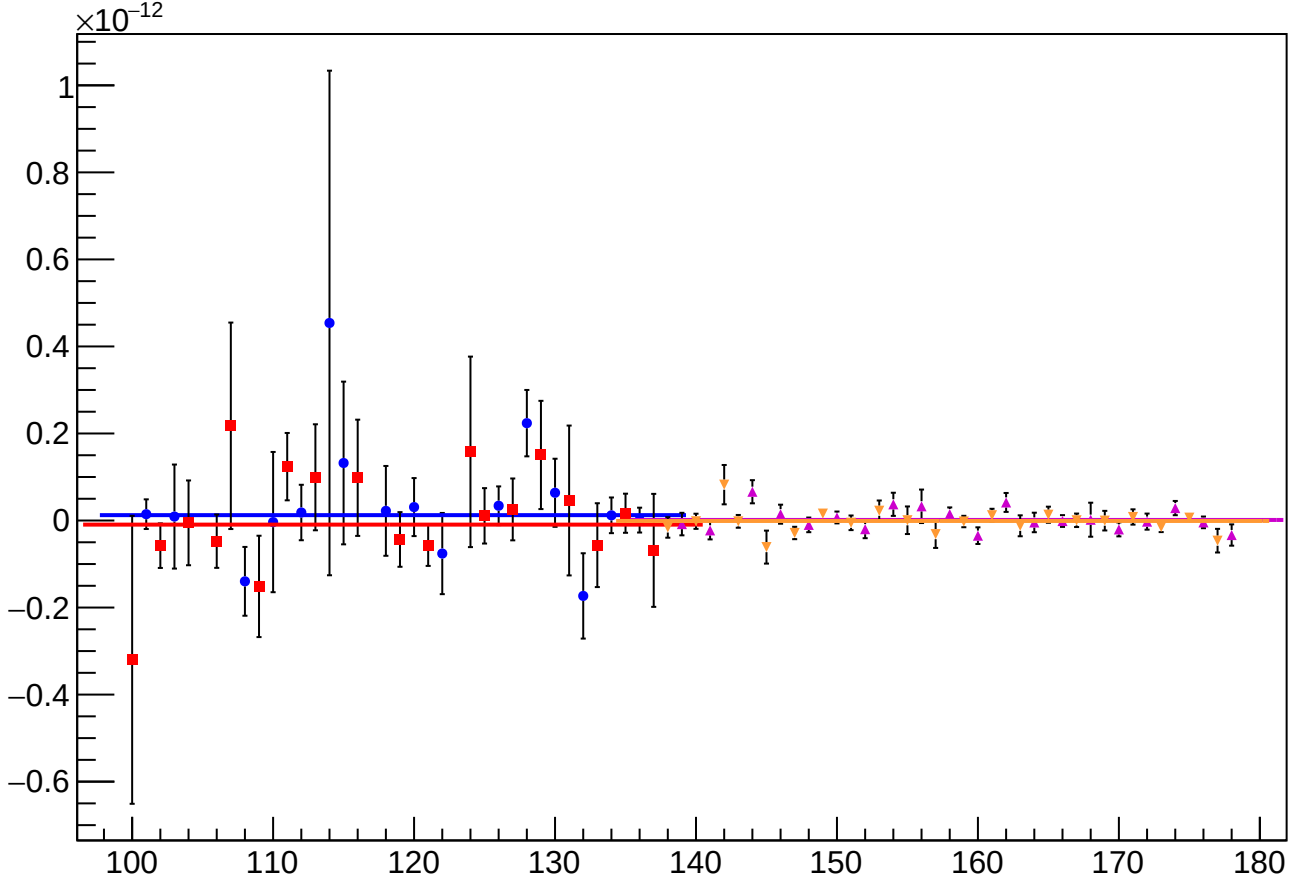
Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

Left In: 1957.428+/-0.343 χ^2/NDF:83328.6/19

+ sign 2002.120+/-0.292 χ^2/NDF: 913125.9/36

All: 2007.045+/-0.208 χ^2/NDF: 1918724.3/75

- sign 2012.062+/-0.295 χ^2/NDF: 1005025.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.9/20

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

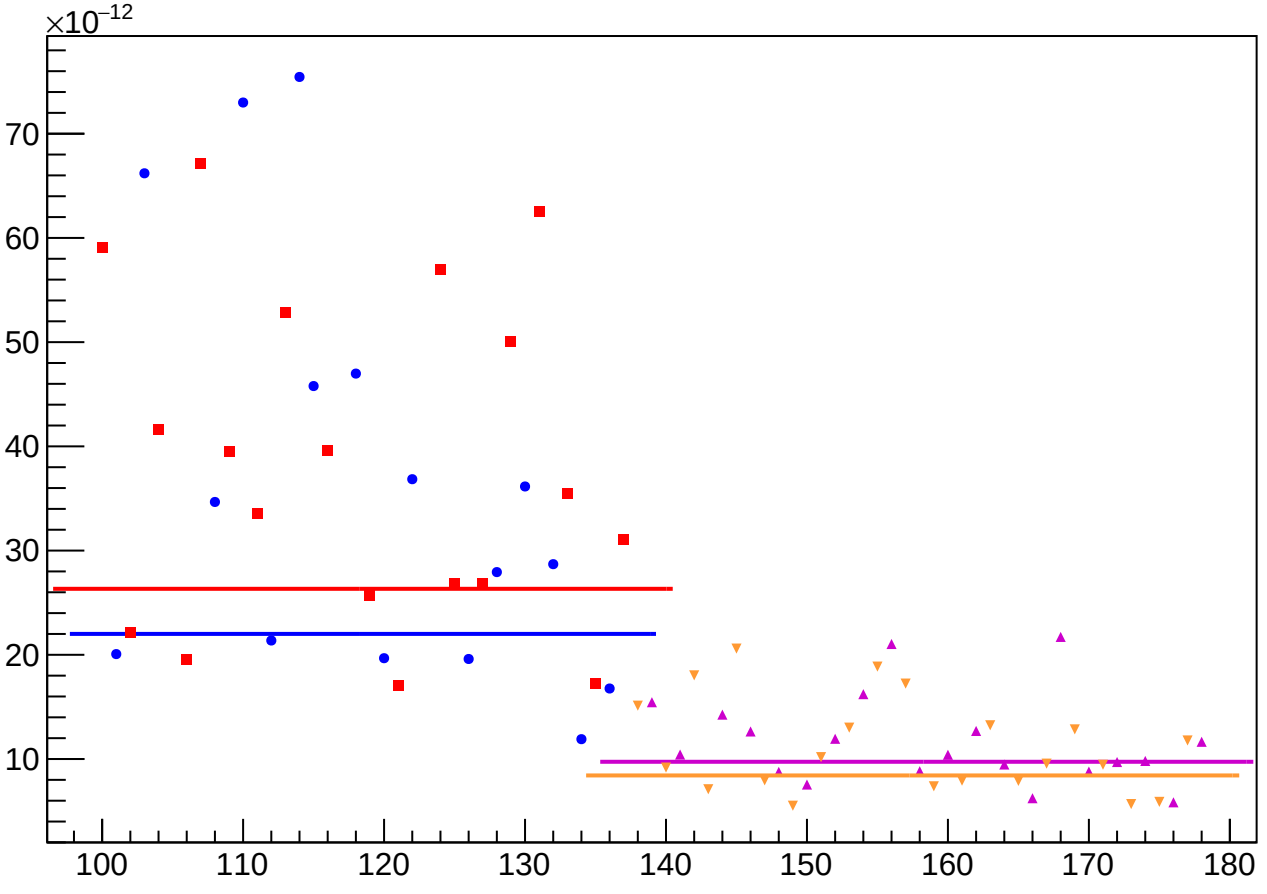
Left In: 0.000+/-0.000 χ^2/NDF:26.6/19

+ sign -0.000+/-0.000 χ^2/NDF: 39.5/36

All: 0.000+/-0.000 χ^2/NDF: 80.2/75

- sign 0.000+/-0.000 χ^2/NDF: 40.7/38

asym_at1_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1032604.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1564860.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 705211.2/18

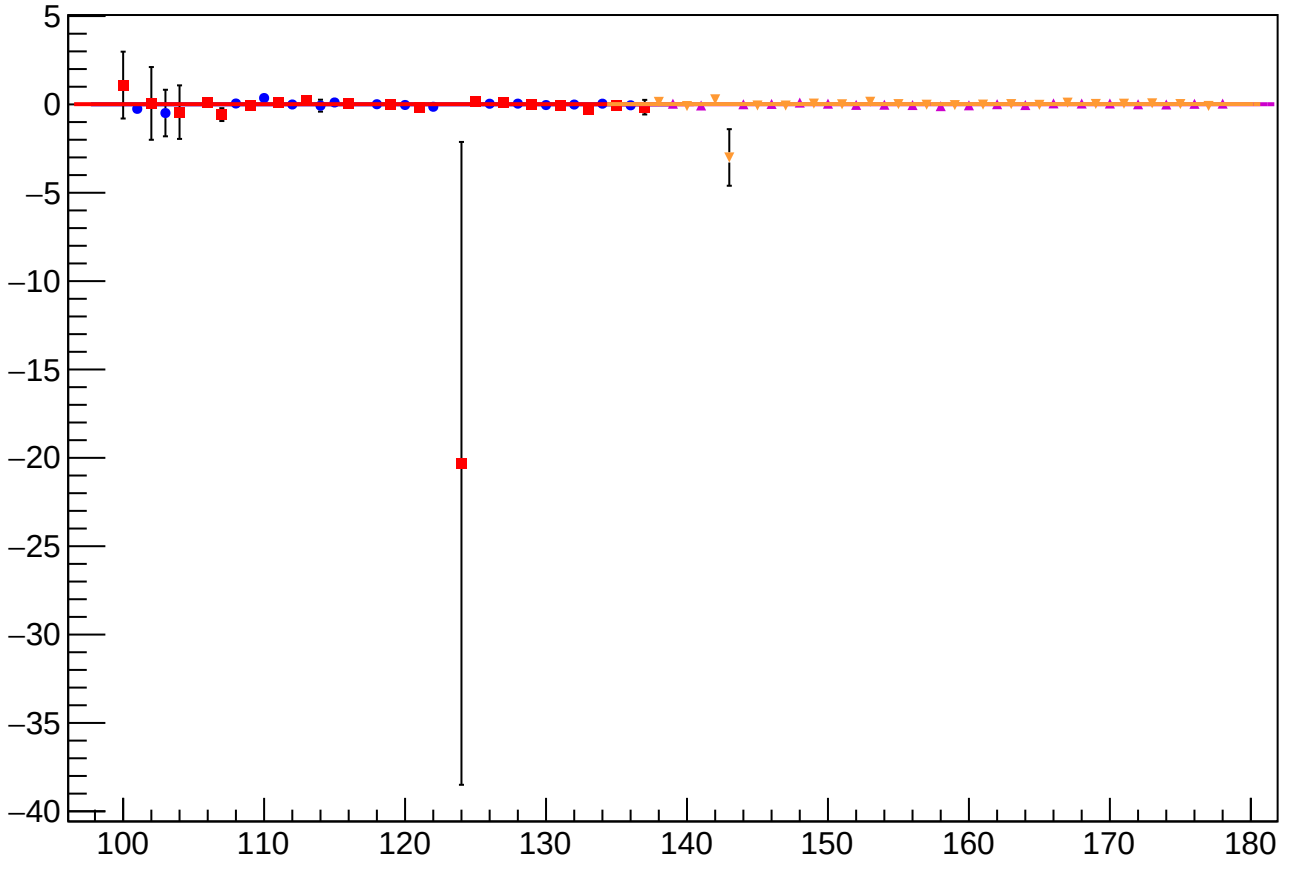
Left In: 0.000+/-0.000 χ^2/NDF:1121581.8/19

\+ sign 0.000+/-0.000 χ^2/NDF: 4199924.8/36

All: 0.000+/-0.000 χ^2/NDF: 7765500.5/75

\- sign 0.000+/-0.000 χ^2/NDF: 3432015.9/38

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.018+/-0.013 χ^2/NDF:26.9/20

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

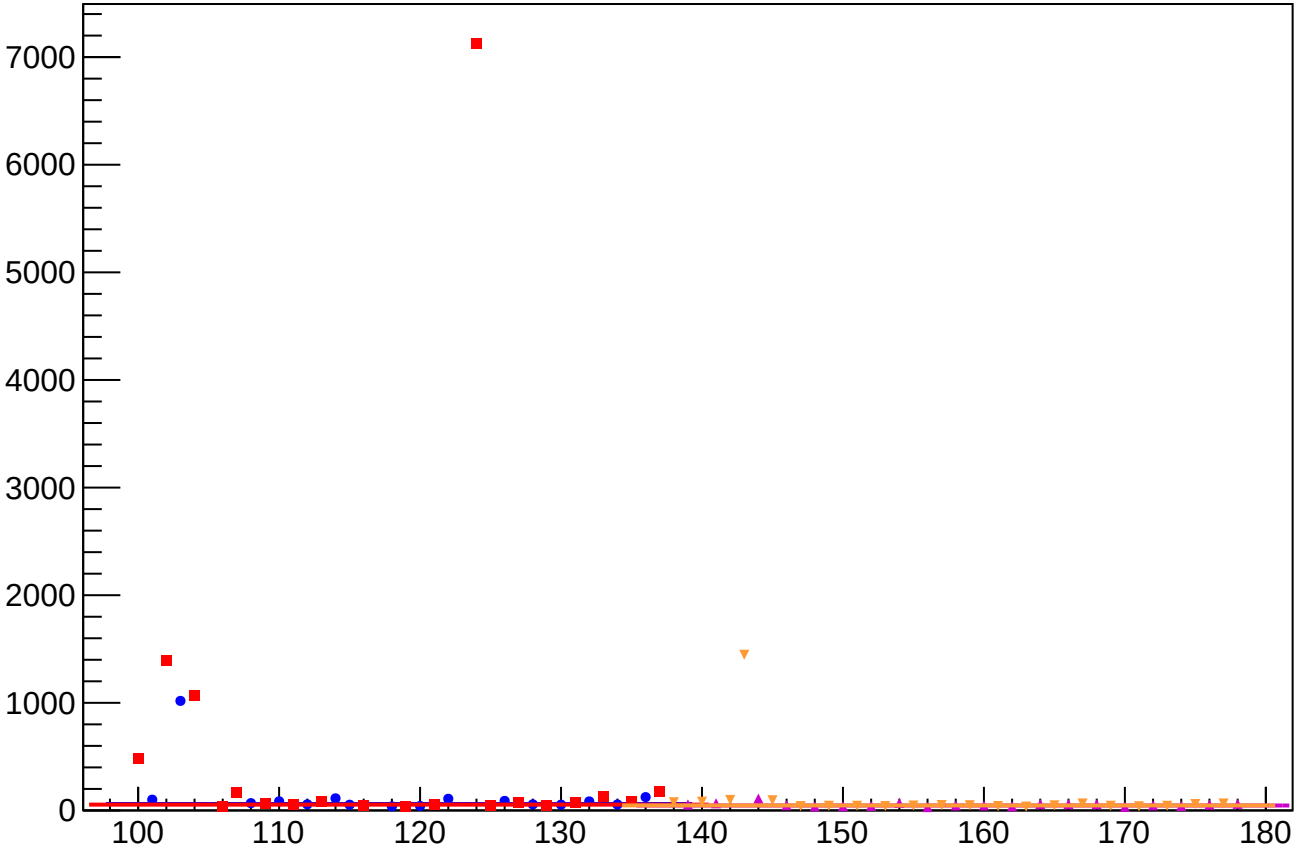
Left In: 0.009+/-0.013 χ^2/NDF:14.8/19

+ sign 0.015+/-0.012 χ^2/NDF: 38.5/36

All: 0.013+/-0.008 χ^2/NDF: 71.0/75

- sign 0.010+/-0.011 χ^2/NDF: 32.4/38

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 46.851+/-0.009 χ^2/NDF:3168053.4/20

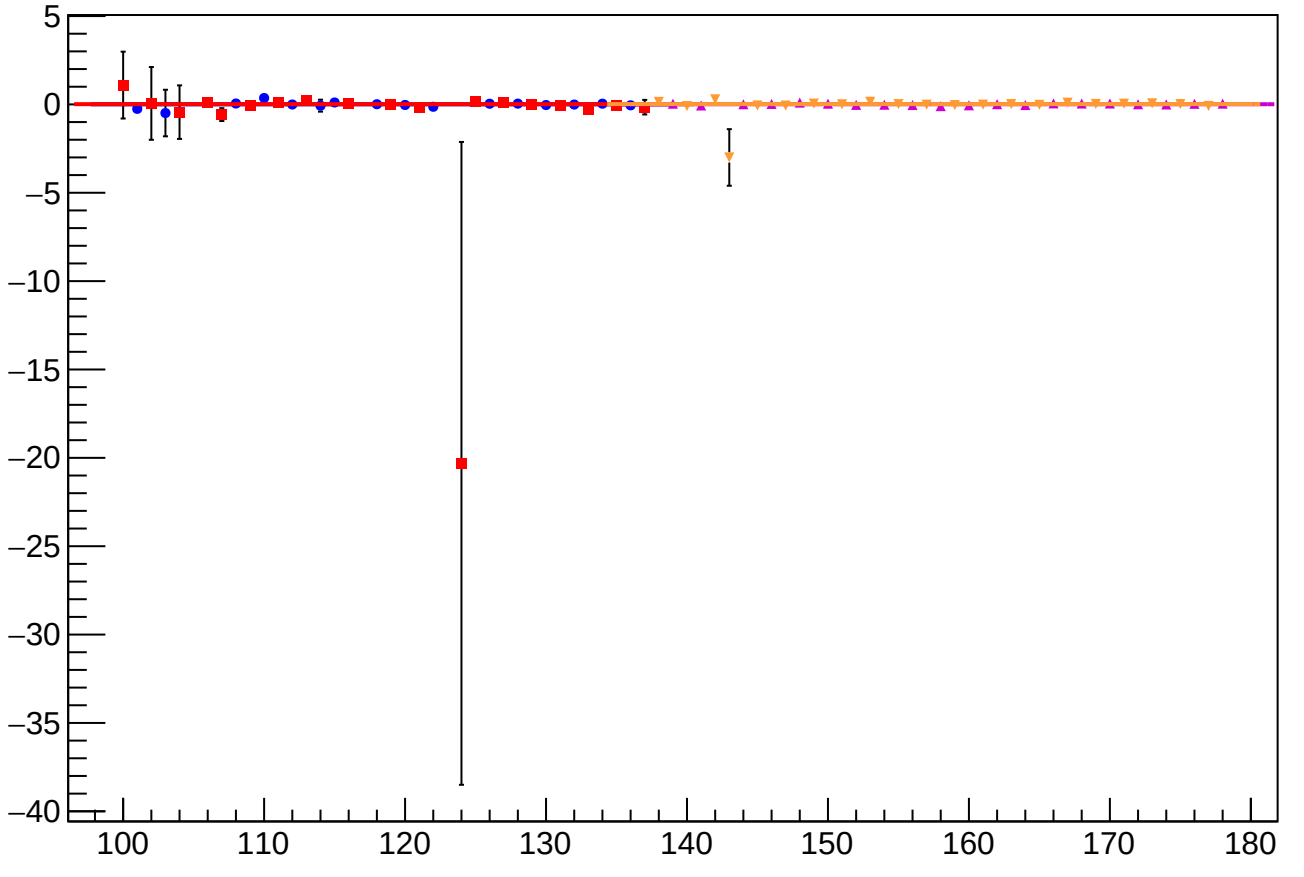
Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 46.050+/-0.009 χ^2/NDF:1802633.5/19

+ sign 49.390+/-0.008 χ^2/NDF: 6087212.2/36

All: 48.509+/-0.006 χ^2/NDF: 11594819.8/75

- sign 47.676+/-0.008 χ^2/NDF: 5485983.9/38



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.018+/-0.013 χ^2/NDF:26.9/20

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

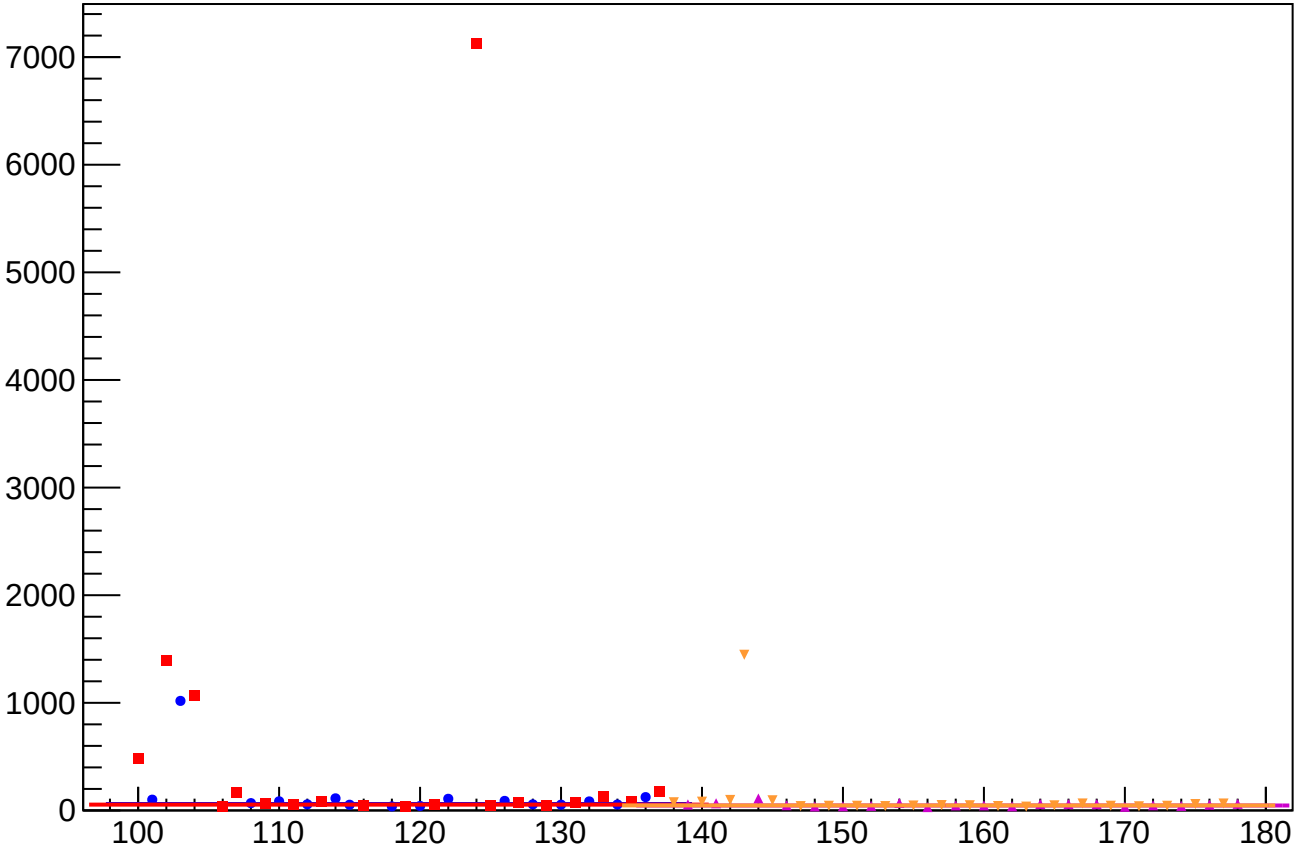
Left In: 0.009+/-0.013 χ^2/NDF:14.8/19

+ sign 0.015+/-0.012 χ^2/NDF: 38.5/36

All: 0.013+/-0.008 χ^2/NDF: 71.0/75

- sign 0.010+/-0.011 χ^2/NDF: 32.4/38

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: 46.851+/-0.009 χ^2/NDF:3168053.4/20

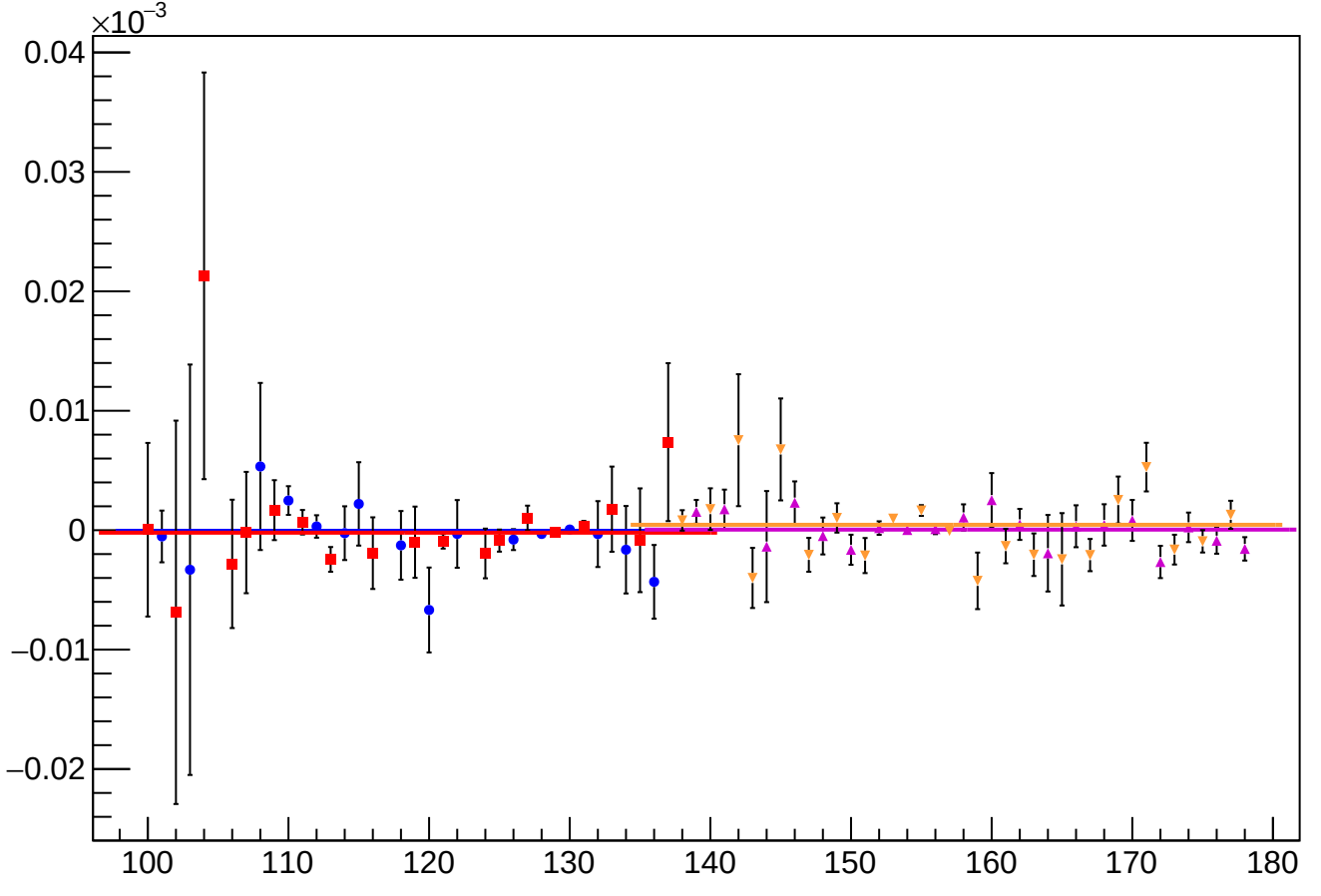
Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 46.050+/-0.009 χ^2/NDF:1802633.5/19

+ sign 49.390+/-0.008 χ^2/NDF: 6087212.2/36

All: 48.509+/-0.006 χ^2/NDF: 11594819.8/75

- sign 47.676+/-0.008 χ^2/NDF: 5485983.9/38



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:48.3/20

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

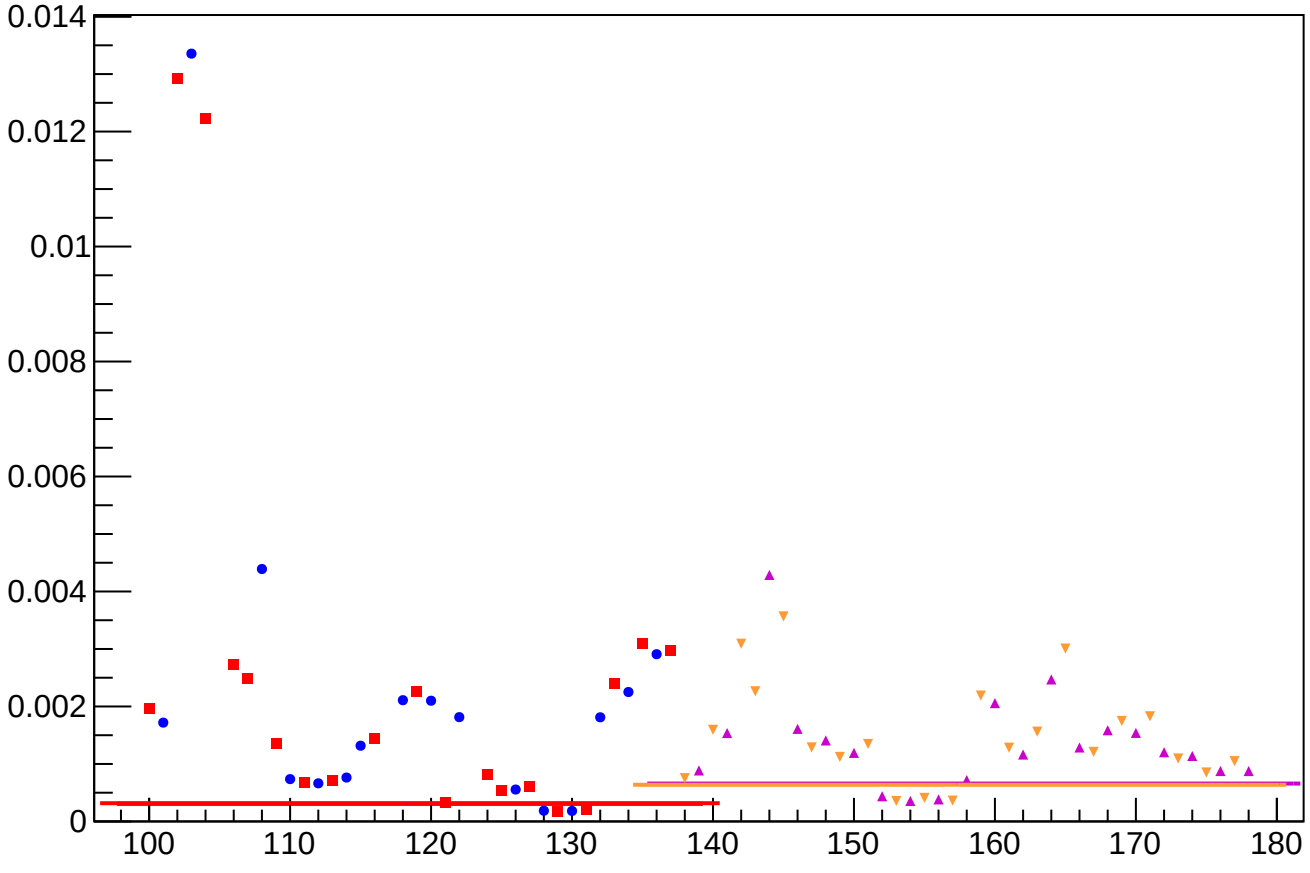
Left In: 0.000+/-0.000 χ^2/NDF:17.4/19

+ sign 0.000+/-0.000 χ^2/NDF: 64.4/36

All: 0.000+/-0.000 χ^2/NDF: 100.3/75

- sign -0.000+/-0.000 χ^2/NDF: 33.8/38

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:11367695.9/20

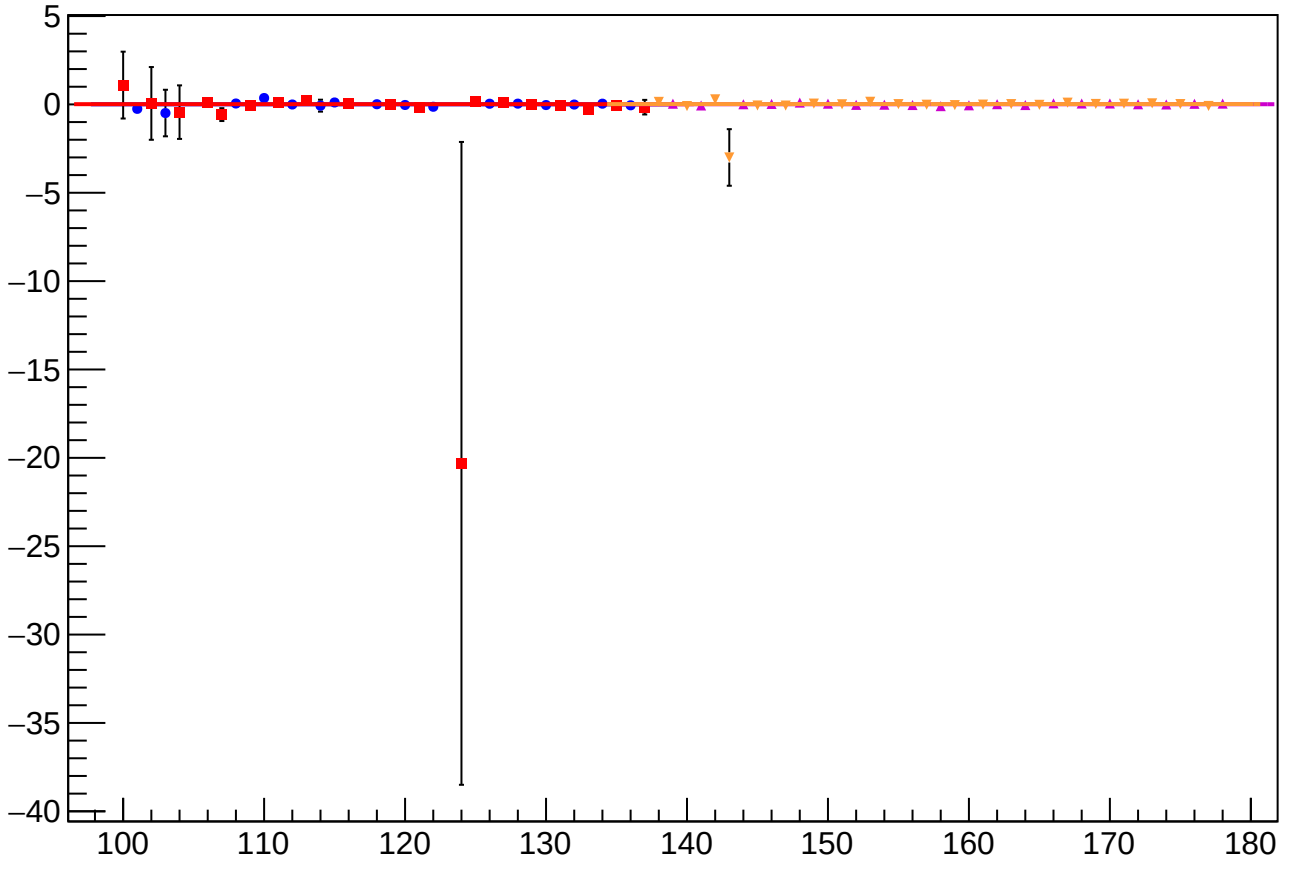
Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:9587698.3/19

+ sign 0.000+/-0.000 χ^2/NDF: 22983397.8/36

All: 0.000+/-0.000 χ^2/NDF: 43568799.6/75

- sign 0.000+/-0.000 χ^2/NDF: 20581811.5/38



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.018+/-0.013 χ^2/NDF:26.9/20

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

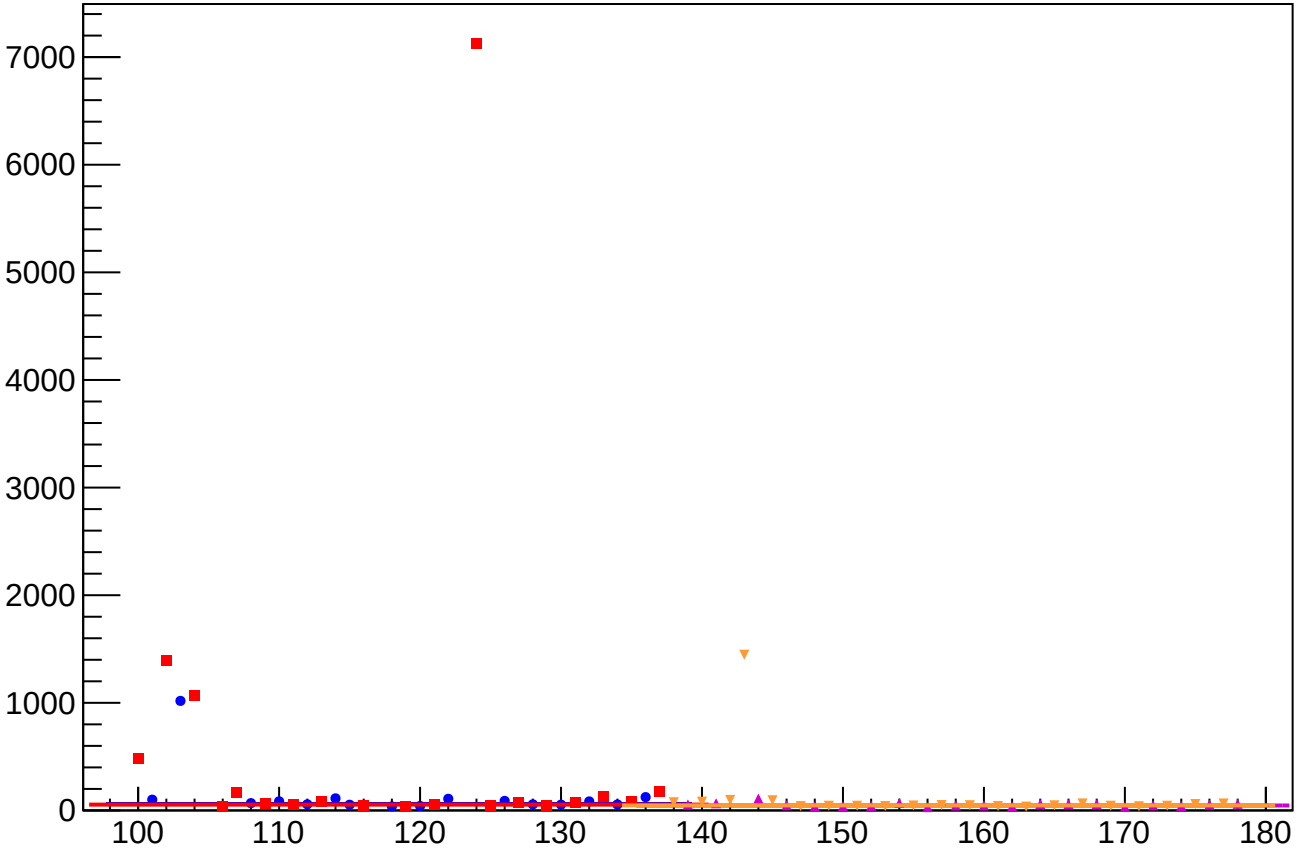
Left In: 0.009+/-0.013 χ^2/NDF:14.8/19

+ sign 0.015+/-0.012 χ^2/NDF: 38.5/36

All: 0.013+/-0.008 χ^2/NDF: 71.0/75

- sign 0.010+/-0.011 χ^2/NDF: 32.4/38

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: 46.851+/-0.009 χ^2/NDF:3168034.2/20

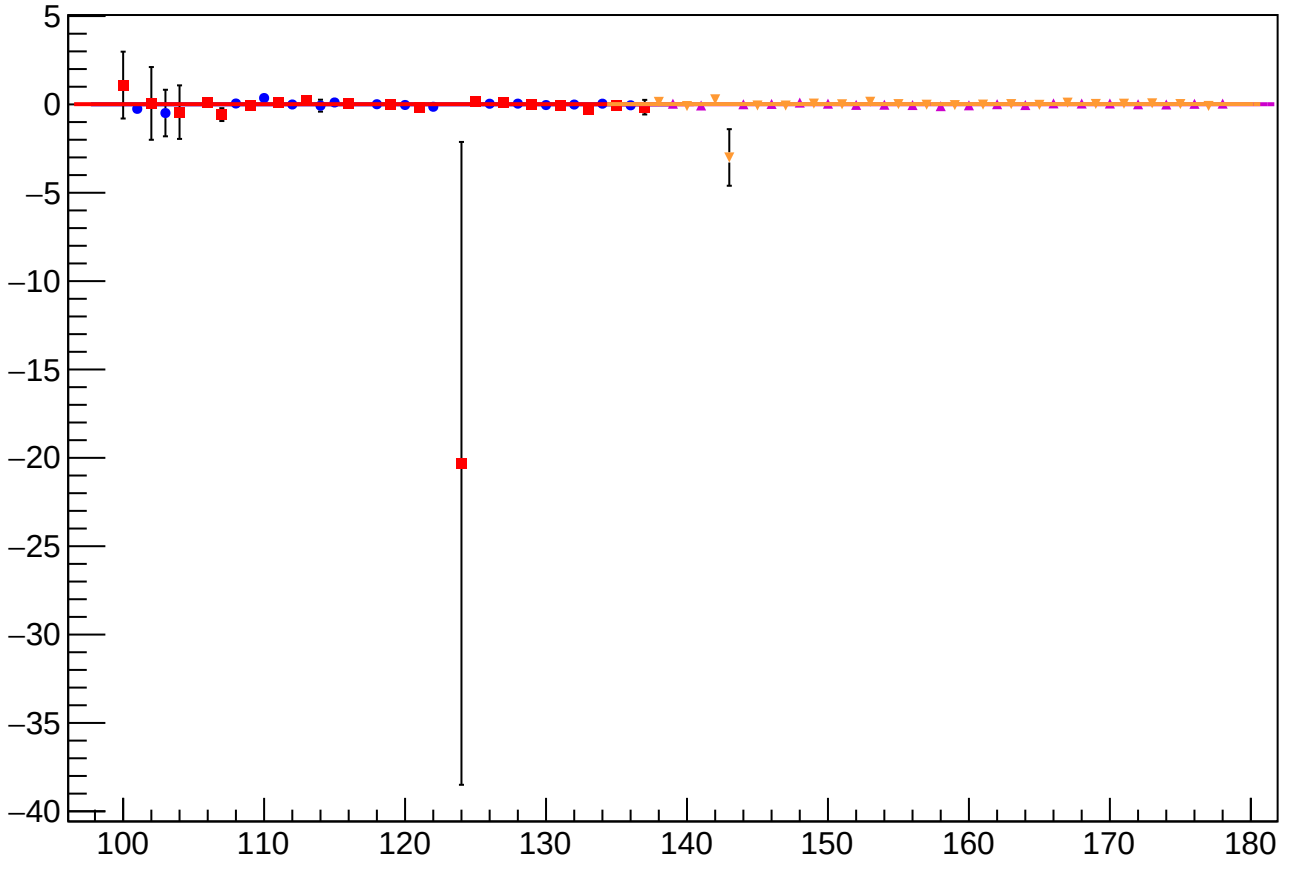
Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 46.050+/-0.009 χ^2/NDF:1802630.3/19

+ sign 49.390+/-0.008 χ^2/NDF: 6087182.7/36

All: 48.509+/-0.006 χ^2/NDF: 11594818.4/75

- sign 47.676+/-0.008 χ^2/NDF: 5486003.2/38



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.018+/-0.013 χ^2/NDF:26.9/20

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

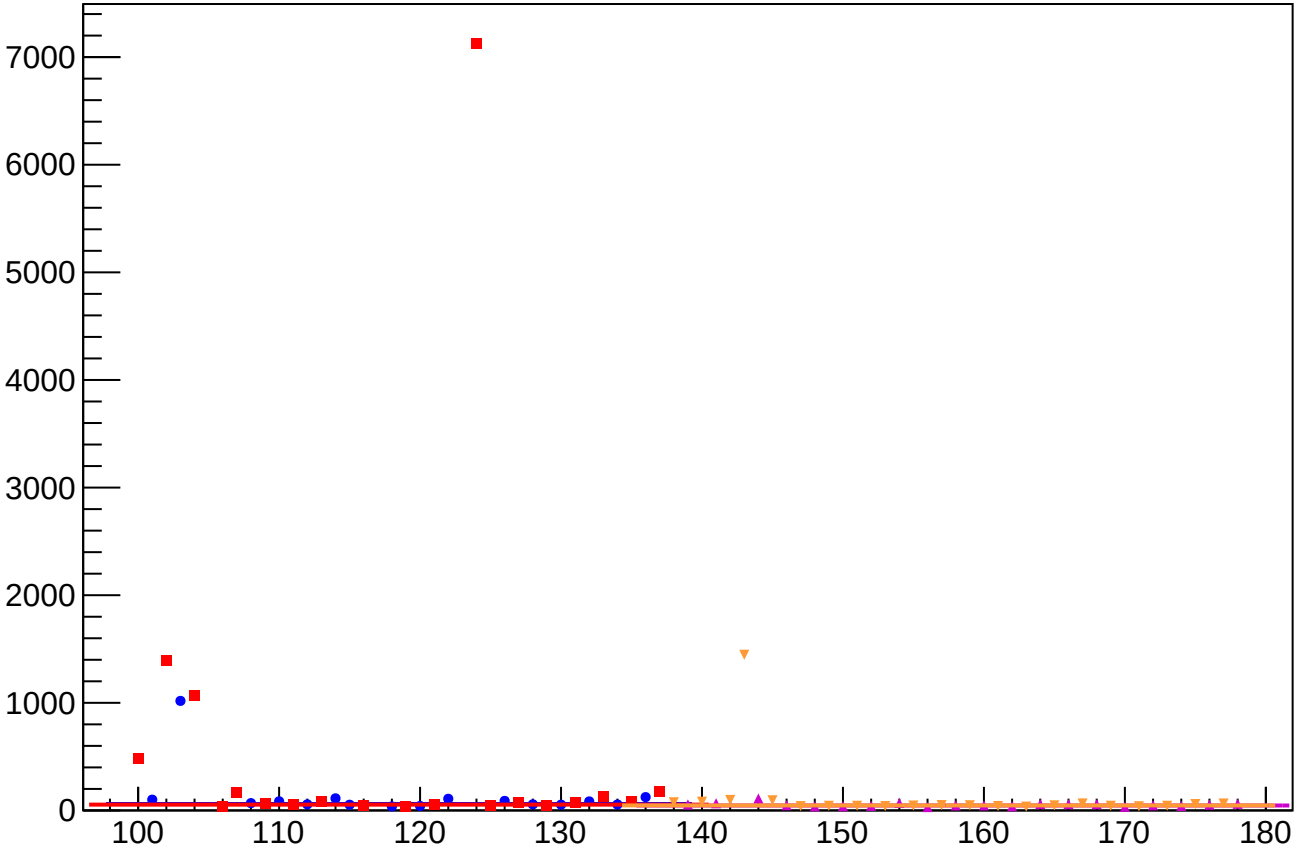
Left In: 0.009+/-0.013 χ^2/NDF:14.8/19

+ sign 0.015+/-0.012 χ^2/NDF: 38.5/36

All: 0.013+/-0.008 χ^2/NDF: 71.0/75

- sign 0.010+/-0.011 χ^2/NDF: 32.4/38

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 46.851+/-0.009 χ^2/NDF:3168034.2/20

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

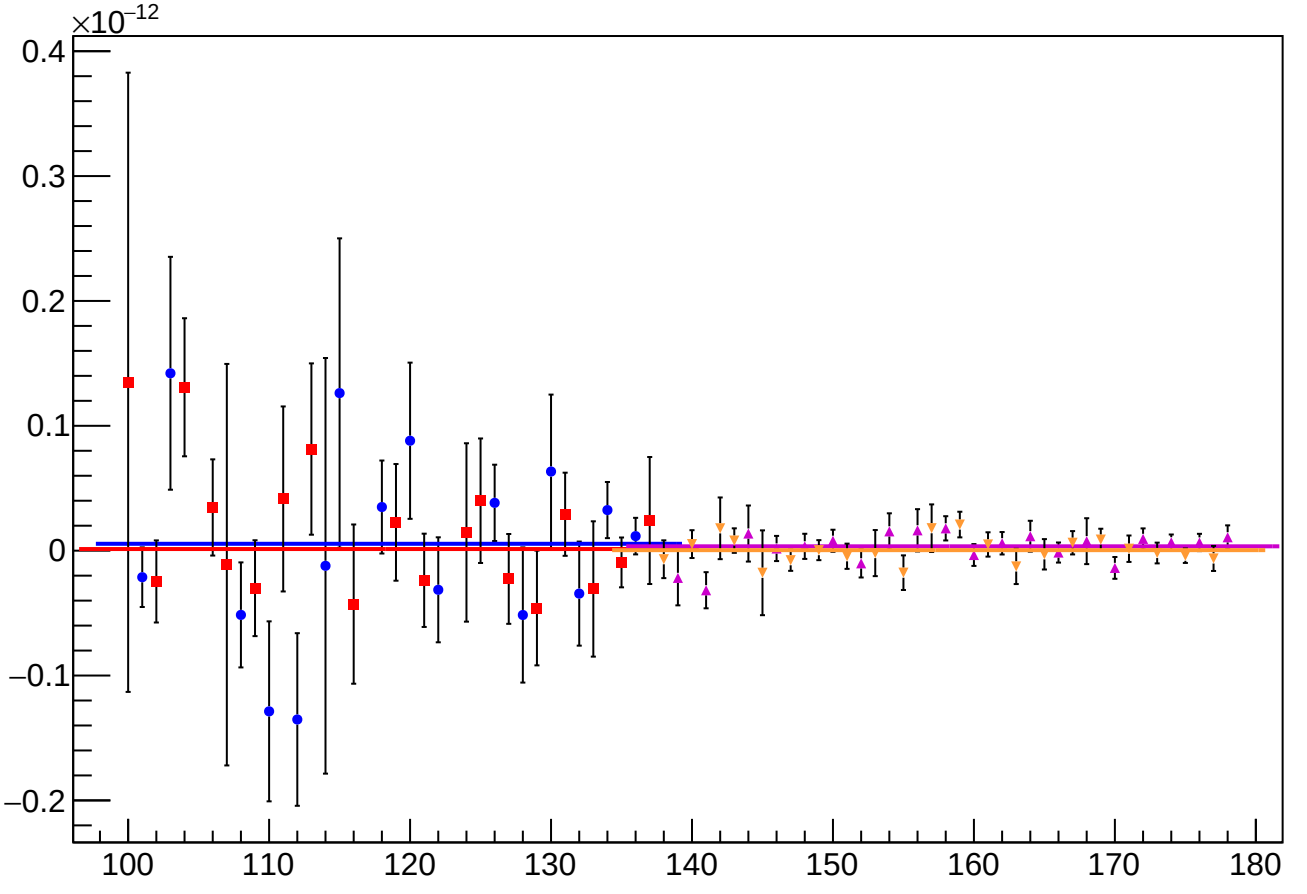
Left In: 46.050+/-0.009 χ^2/NDF:1802630.3/19

+ sign 49.390+/-0.008 χ^2/NDF: 6087182.7/36

All: 48.509+/-0.006 χ^2/NDF: 11594818.4/75

- sign 47.676+/-0.008 χ^2/NDF: 5486003.2/38

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:13.1/20

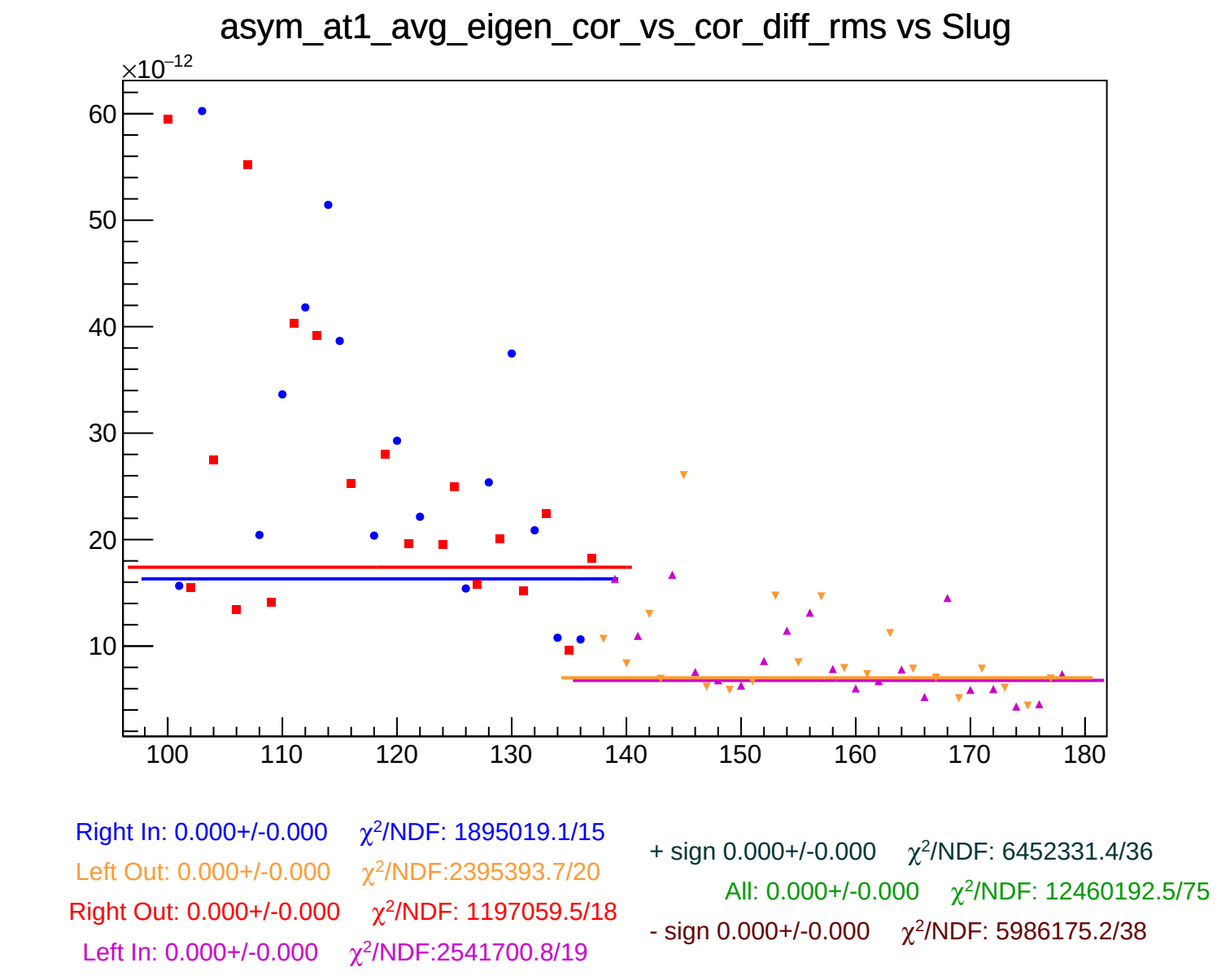
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:19.7/19

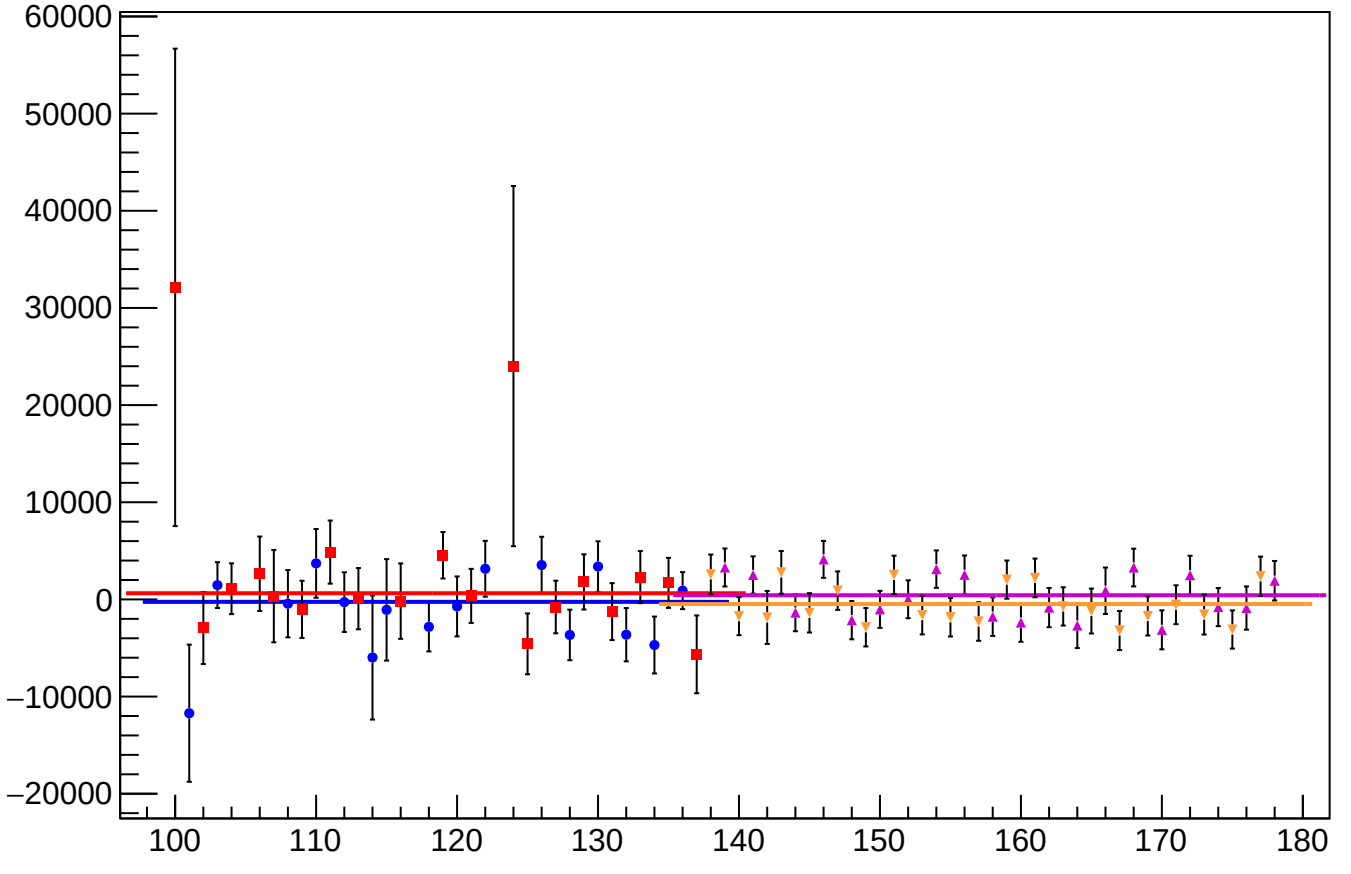
+ sign 0.000+/-0.000 χ^2/NDF: 36.0/36

All: 0.000+/-0.000 χ^2/NDF: 70.8/75

- sign 0.000+/-0.000 χ^2/NDF: 34.0/38


asym_at1_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1895019.1/15
Left Out: 0.000+/-0.000 χ²/NDF:2395393.7/20
Right Out: 0.000+/-0.000 χ²/NDF: 1197059.5/18
Left In: 0.000+/-0.000 χ²/NDF:2541700.8/19
+ sign 0.000+/-0.000 χ²/NDF: 6452331.4/36
All: 0.000+/-0.000 χ²/NDF: 12460192.5/75
- sign 0.000+/-0.000 χ²/NDF: 5986175.2/38

reg_asym_at1_dd_mean vs Slug



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: -475.747+/-444.687 χ^2/NDF:21.0/20

Right Out: 636.082+/-735.477 χ^2/NDF: 15.9/18

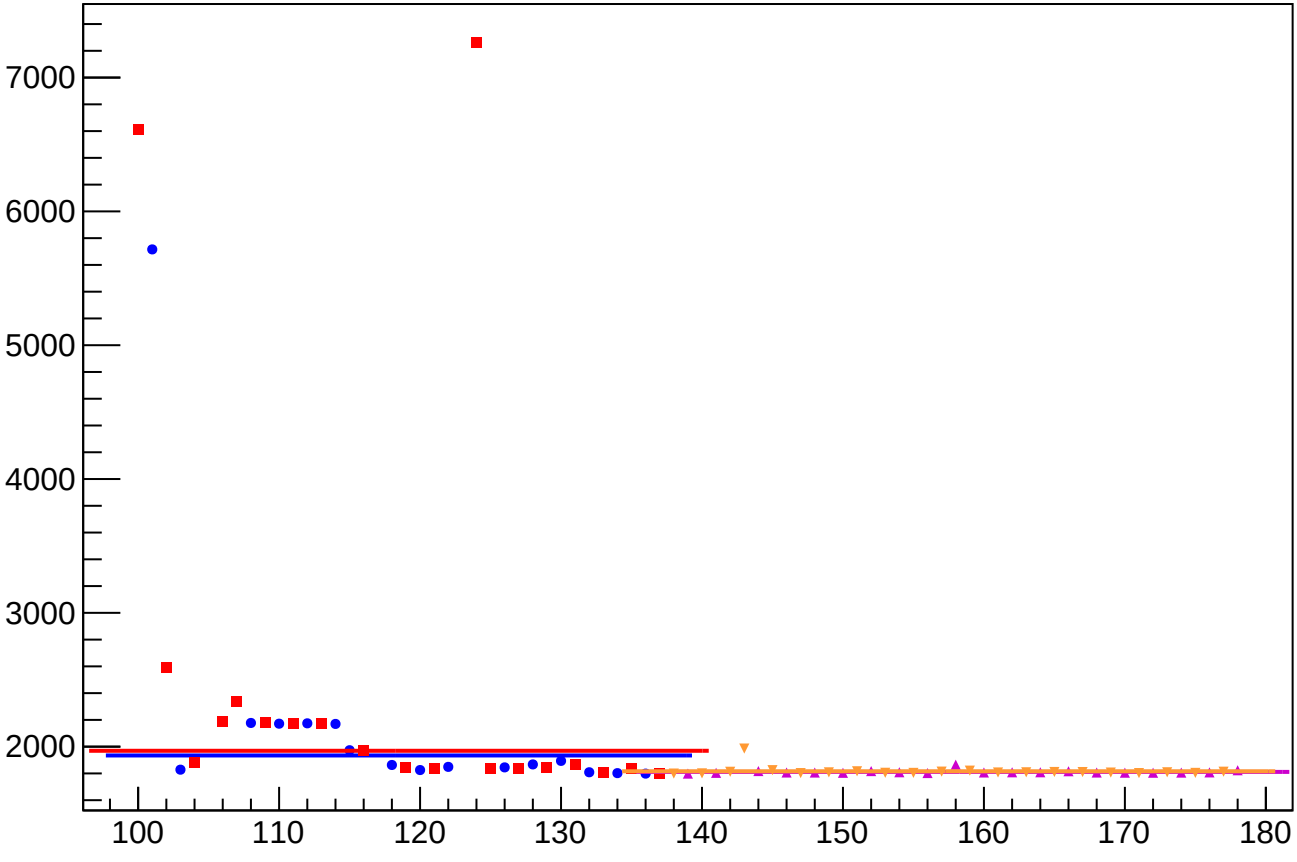
Left In: 431.618+/-448.033 χ^2/NDF:26.5/19

+ sign -415.617+/-380.487 χ^2/NDF: 38.4/36

All: 33.138+/-269.799 χ^2/NDF: 83.6/75

- sign 486.957+/-382.628 χ^2/NDF: 42.4/38

reg_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1815.982+/-0.314 χ^2/NDF:12854.1/20

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

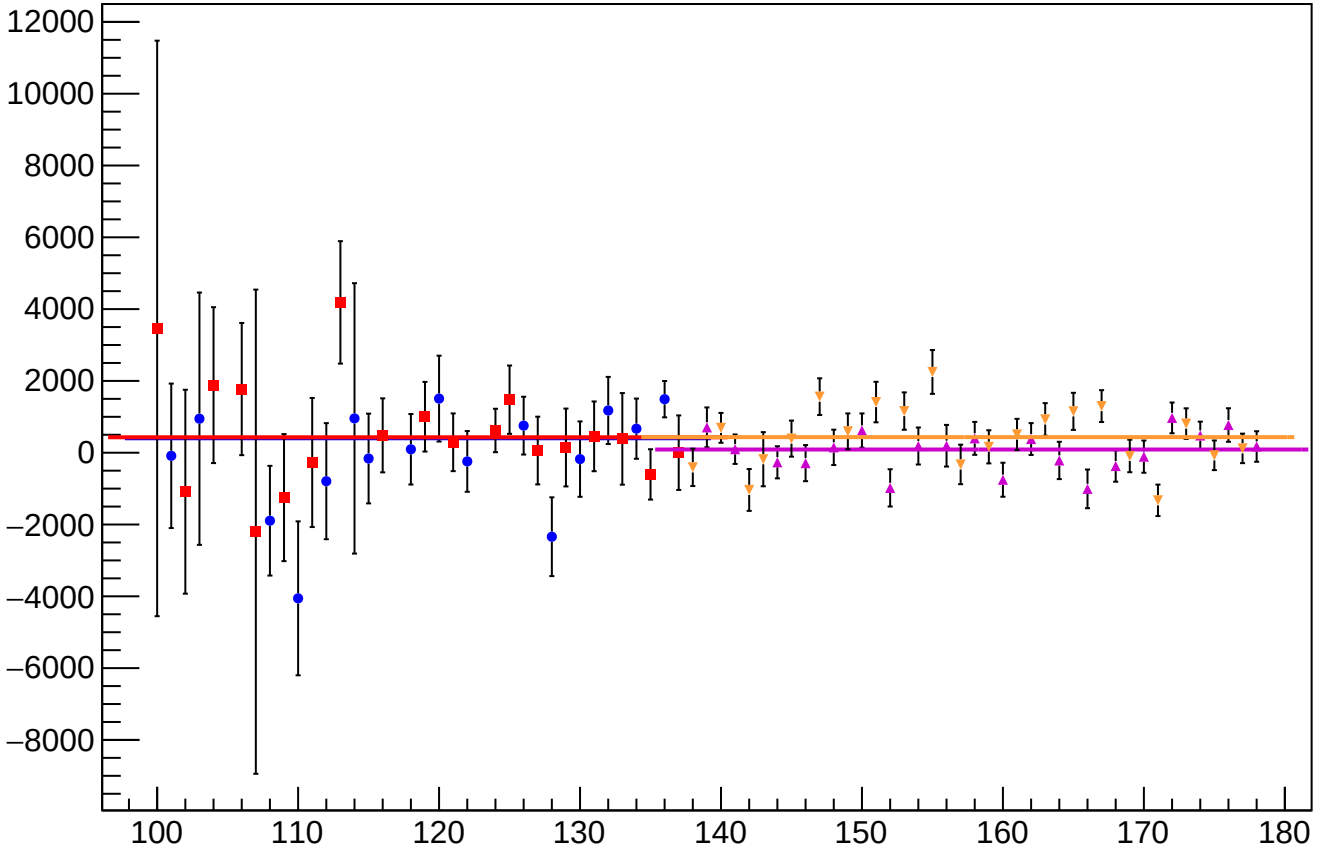
Left In: 1811.383+/-0.317 χ^2/NDF:1882.2/19

+ sign 1847.657+/-0.269 χ^2/NDF: 690651.4/36

All: 1850.860+/-0.191 χ^2/NDF: 1138364.4/75

- sign 1854.098+/-0.271 χ^2/NDF: 447428.1/38

asym_at1_dd_reg_correction_mean vs Slug



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 434.008+/-105.495 χ^2/NDF:58.4/20

Right Out: 430.066+/-252.823 χ^2/NDF: 11.7/18

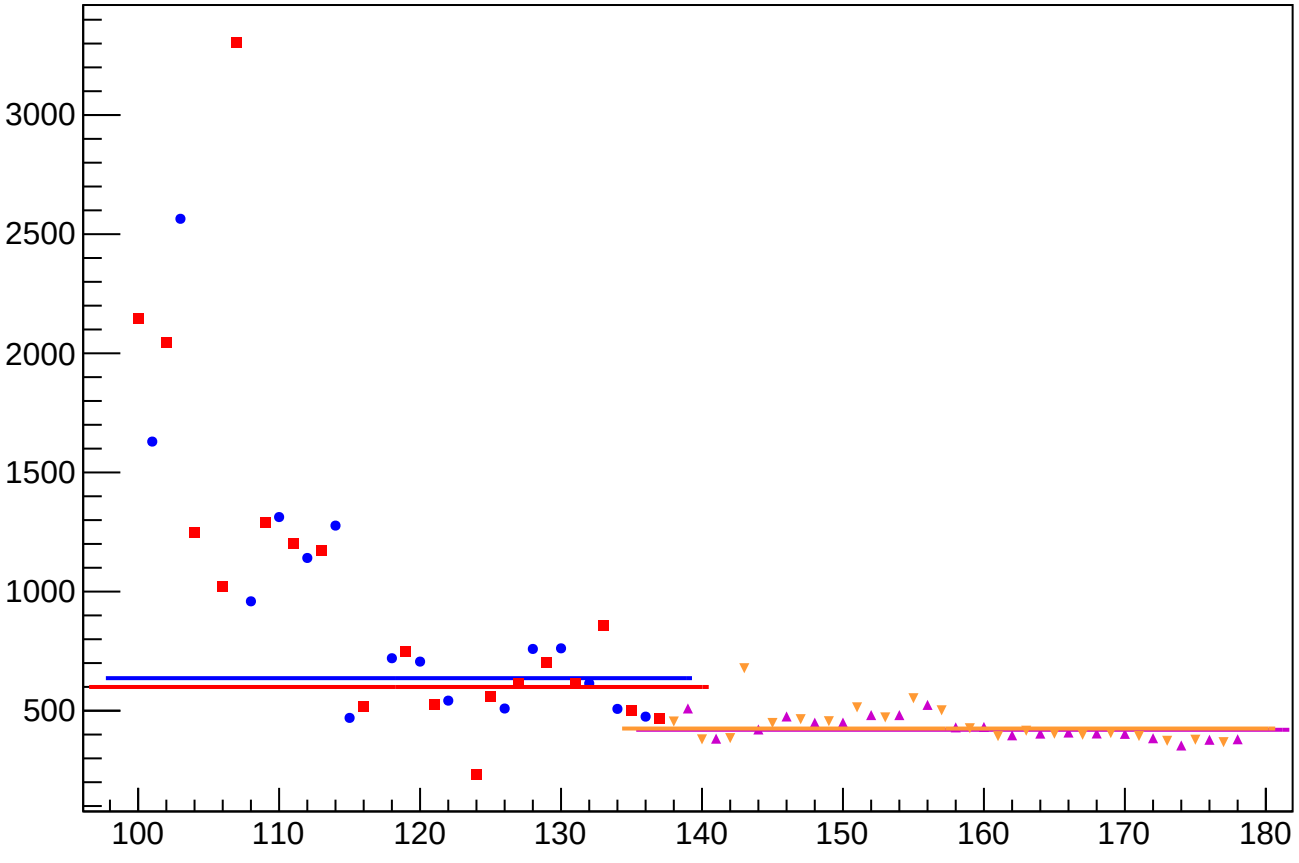
Left In: 89.166+/-104.773 χ^2/NDF:25.3/19

\+ sign 429.530+/-97.678 χ^2/NDF: 79.5/36

All: 283.004+/-68.753 χ^2/NDF: 122.5/75

\- sign 139.130+/-96.790 χ^2/NDF: 38.6/38

asym_at1_dd_reg_correction_rms vs Slug



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 425.248+/-0.075 χ^2/NDF:610173.5/20

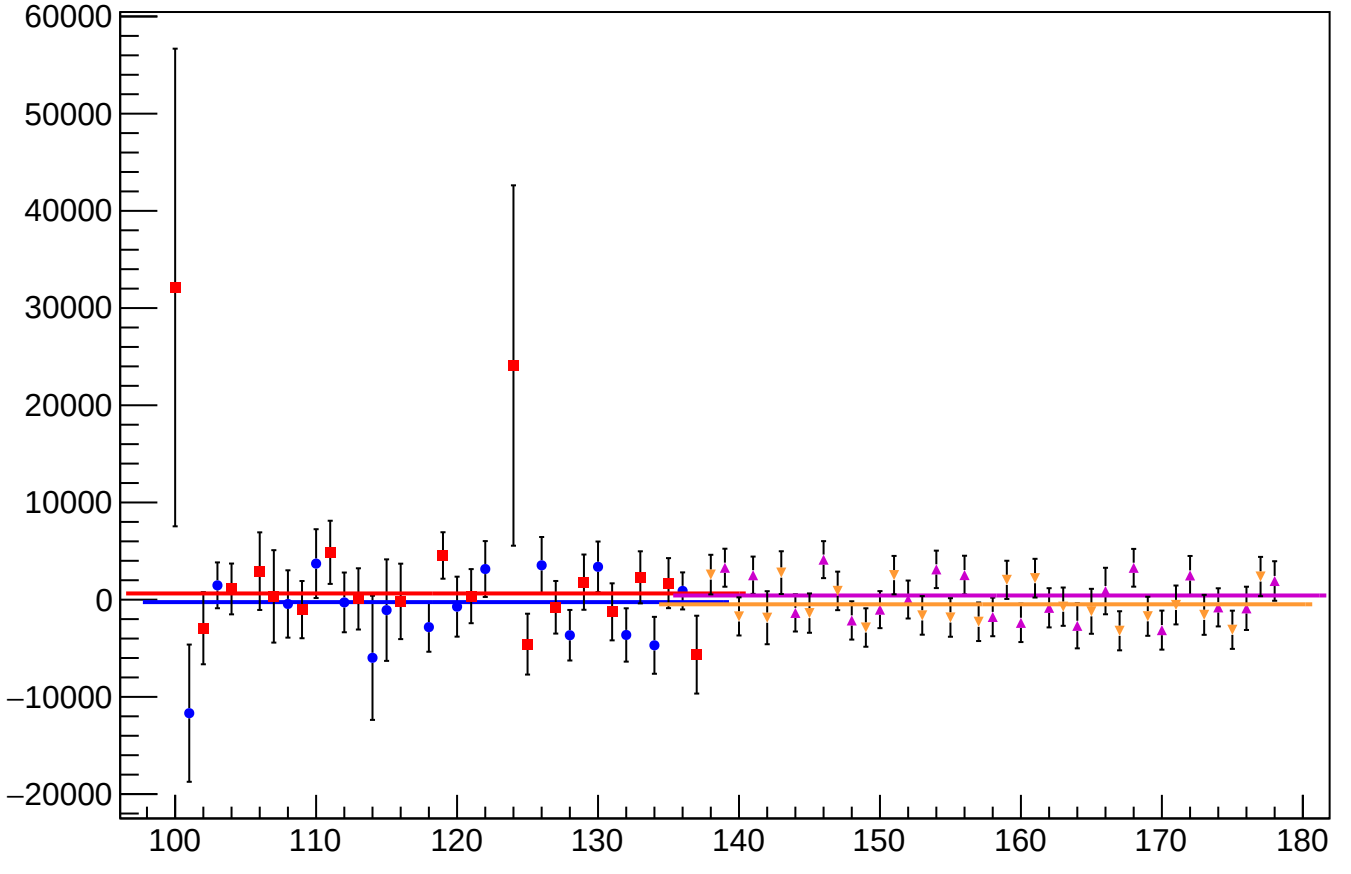
Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

Left In: 420.016+/-0.074 χ^2/NDF:352018.9/19

+ sign 455.422+/-0.069 χ^2/NDF: 3823677.7/36

All: 450.840+/-0.049 χ^2/NDF: 7990012.4/75

- sign 446.341+/-0.068 χ^2/NDF: 4157612.9/38



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -475.790+/-444.687 χ^2/NDF:21.0/20

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

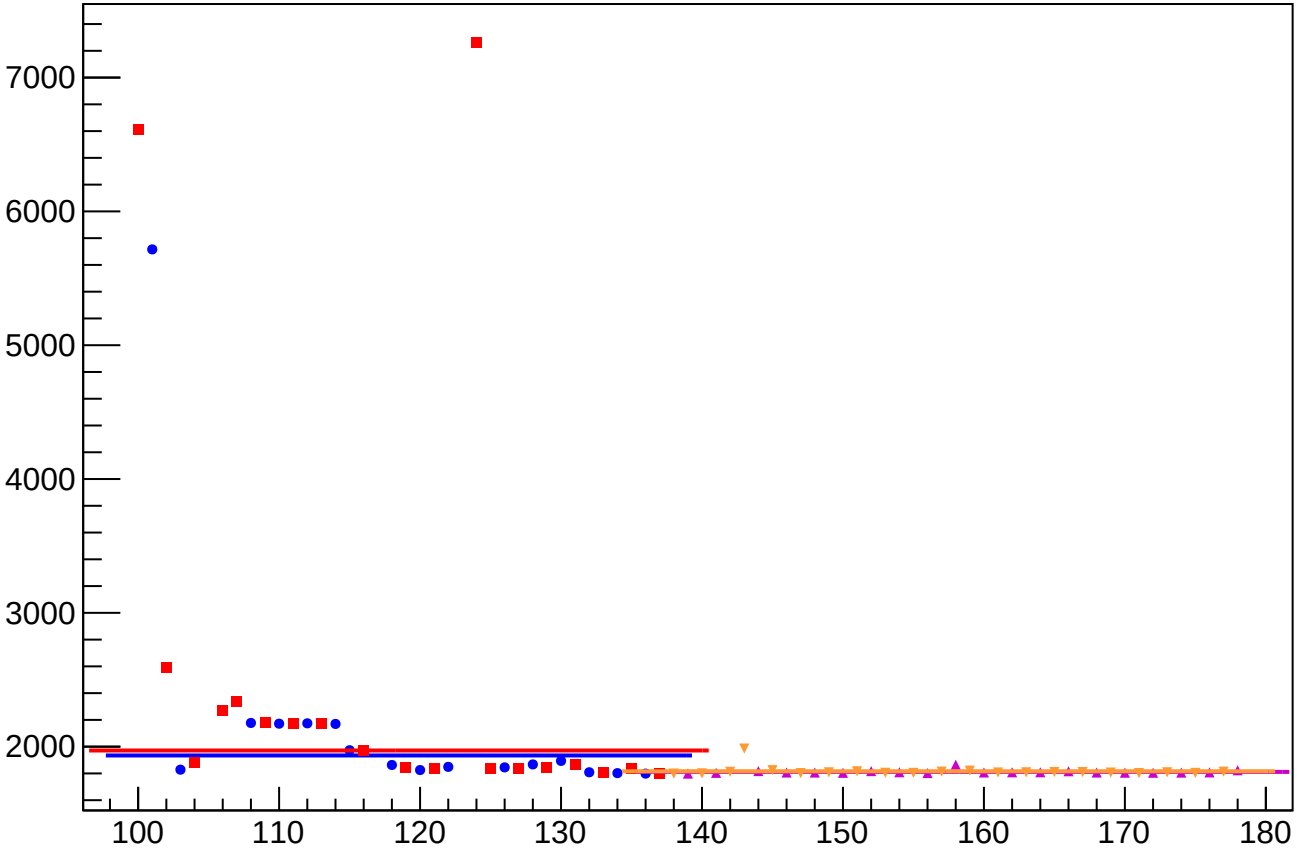
Left In: 431.633+/-448.033 χ^2/NDF:26.5/19

\+ sign -415.431+/-380.487 χ^2/NDF: 38.3/36

All: 33.643+/-269.852 χ^2/NDF: 83.6/75

\- sign 488.142+/-382.779 χ^2/NDF: 42.5/38

cor_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1815.982+/-0.314 χ^2/NDF:12854.1/20

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

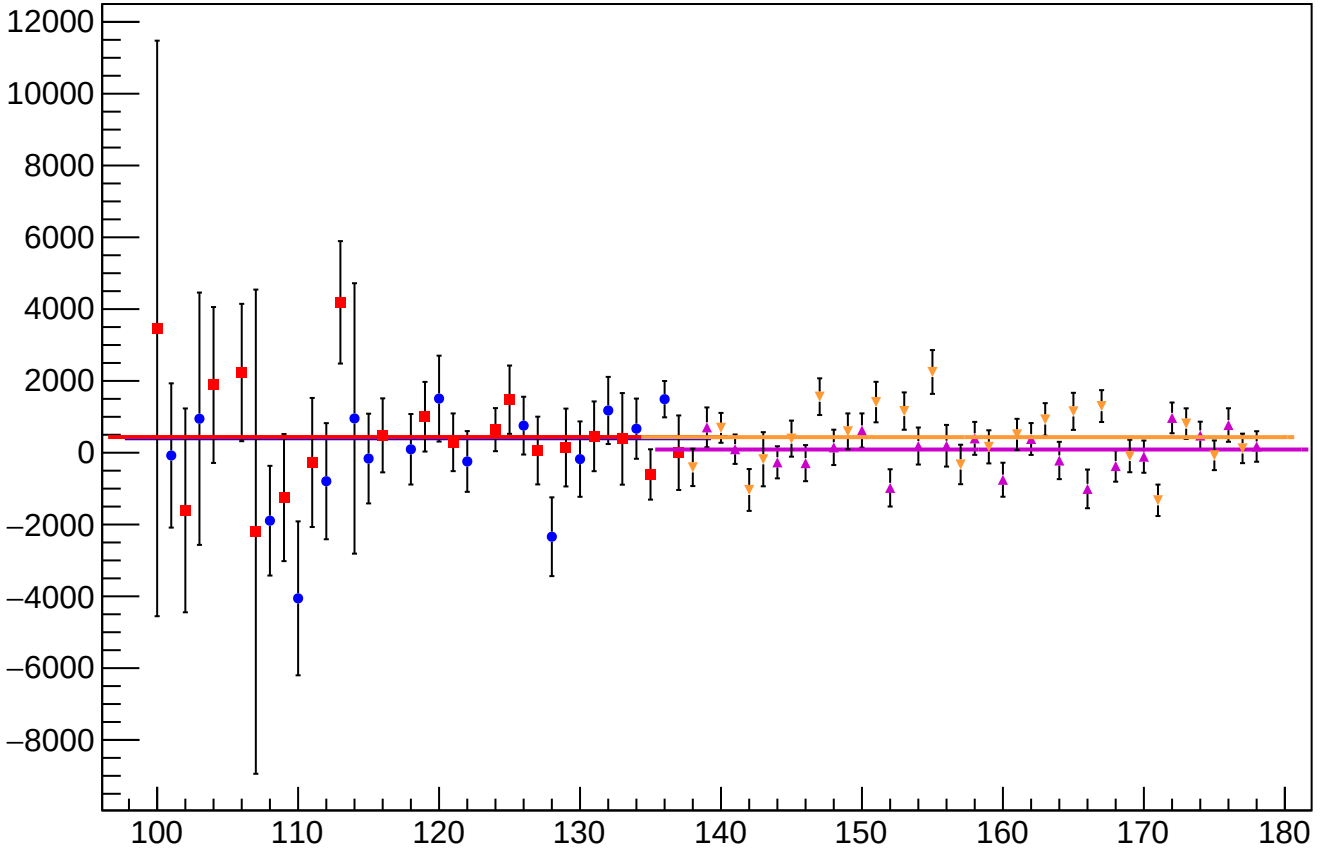
Left In: 1811.383+/-0.317 χ^2/NDF:1882.2/19

+ sign 1847.657+/-0.269 χ^2/NDF: 690651.3/36

All: 1851.102+/-0.191 χ^2/NDF: 1144905.4/75

- sign 1854.589+/-0.271 χ^2/NDF: 453924.2/38

asym_at1_dd_cor_correction_mean vs Slug



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 433.984+/-105.495 χ^2/NDF:58.4/20

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

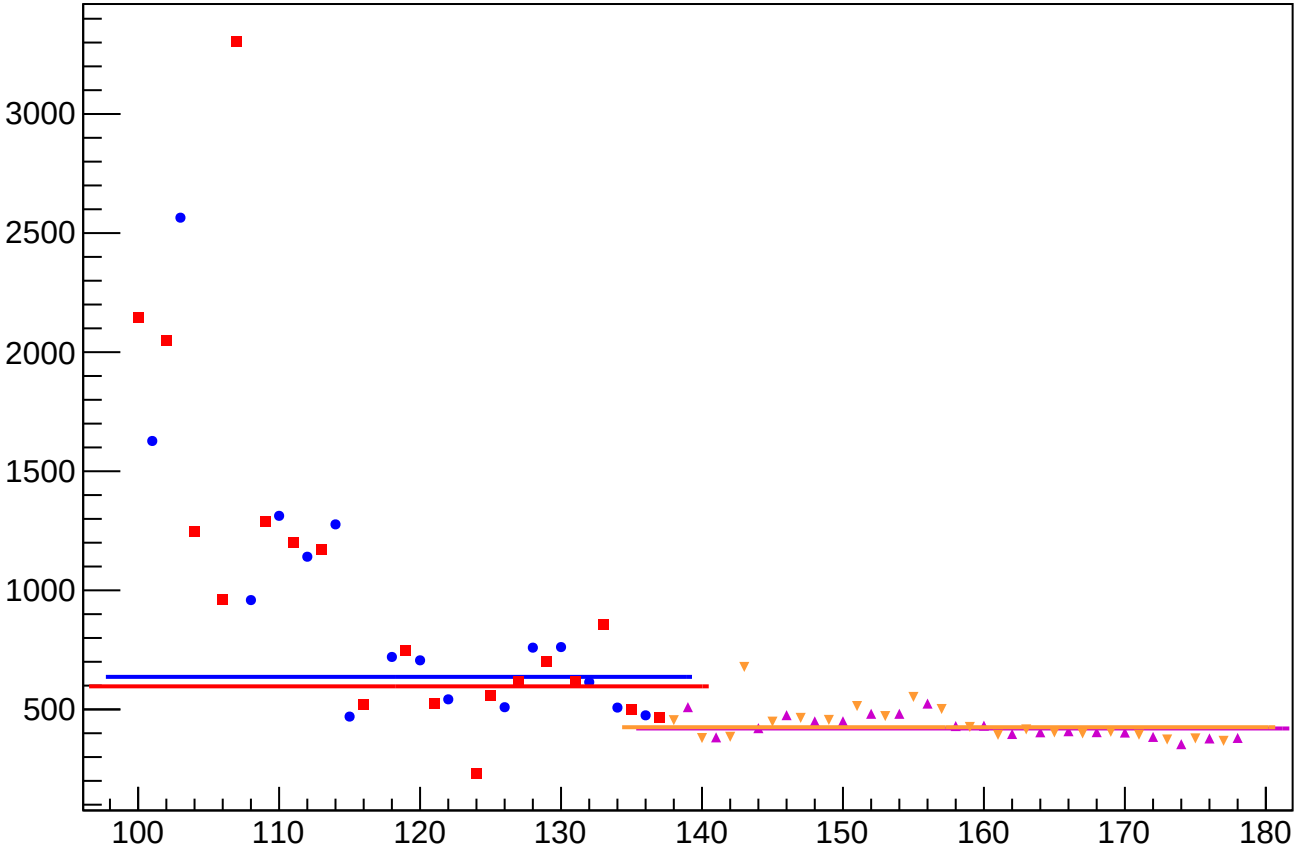
Left In: 89.165+/-104.771 χ^2/NDF:25.3/19

+ sign 429.520+/-97.678 χ^2/NDF: 79.5/36

All: 283.501+/-68.750 χ^2/NDF: 123.2/75

- sign 140.151+/-96.781 χ^2/NDF: 39.3/38

asym_at1_dd_cor_correction_rms vs Slug



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 425.249+/-0.075 χ^2/NDF:610124.8/20

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

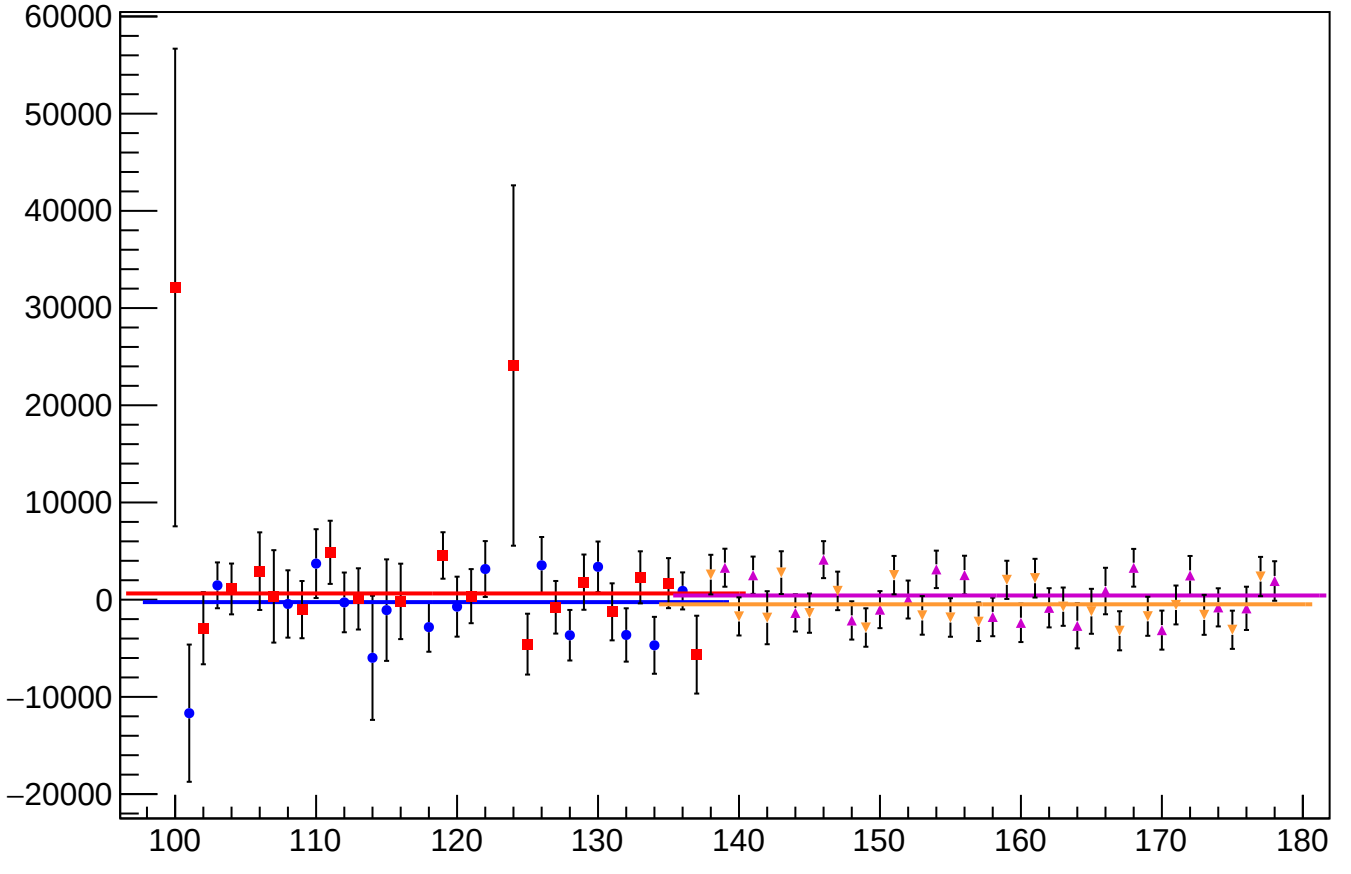
Left In: 420.011+/-0.074 χ^2/NDF:352061.4/19

+ sign 455.425+/-0.069 χ^2/NDF: 3822806.0/36

All: 450.647+/-0.049 χ^2/NDF: 7950831.7/75

- sign 445.957+/-0.068 χ^2/NDF: 4118542.9/38

eigen_cor_asym_at1_dd_mean vs Slug



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -475.790+/-444.687 χ^2/NDF:21.0/20

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

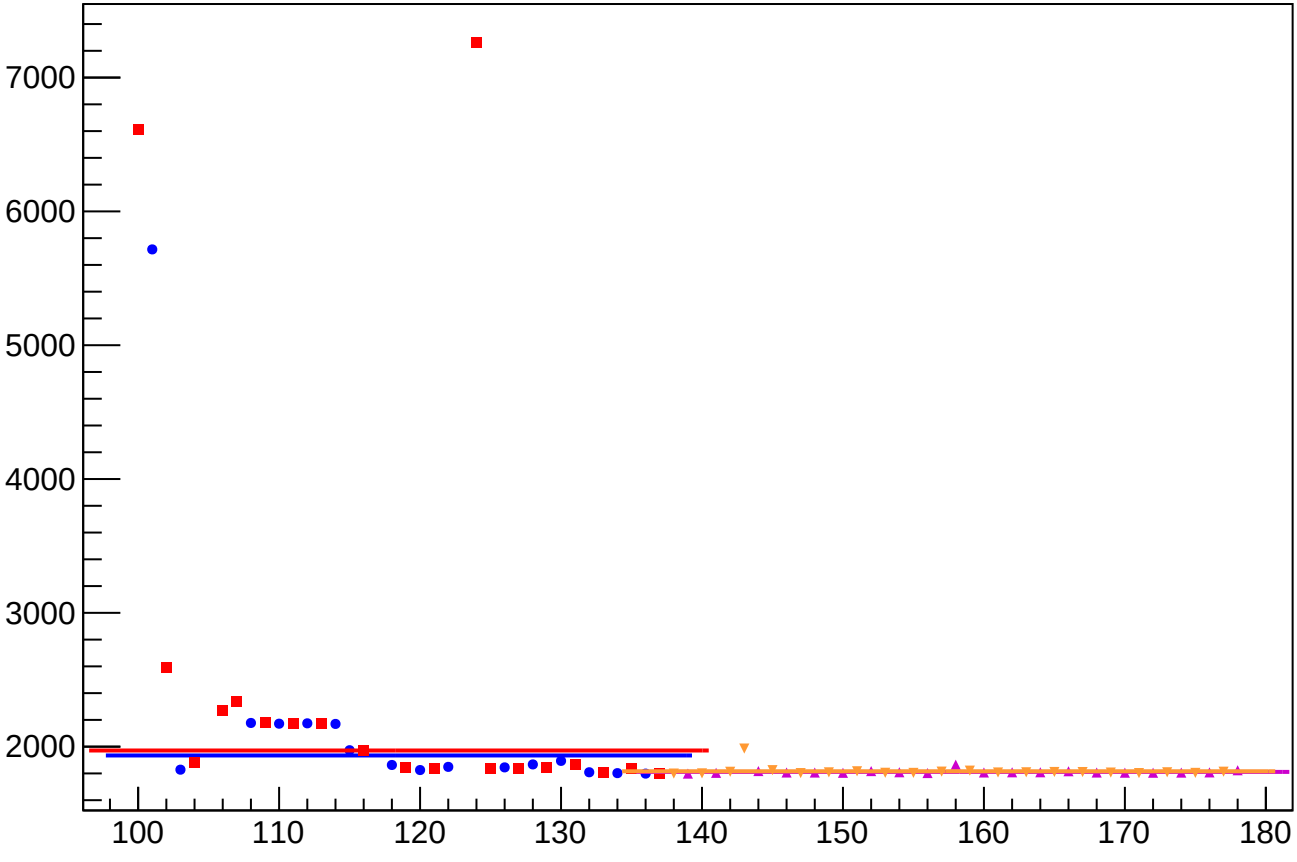
Left In: 431.633+/-448.033 χ^2/NDF:26.5/19

+ sign -415.431+/-380.487 χ^2/NDF: 38.3/36

All: 33.643+/-269.852 χ^2/NDF: 83.6/75

- sign 488.142+/-382.779 χ^2/NDF: 42.5/38

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1815.982+/-0.314 χ^2/NDF:12854.1/20

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

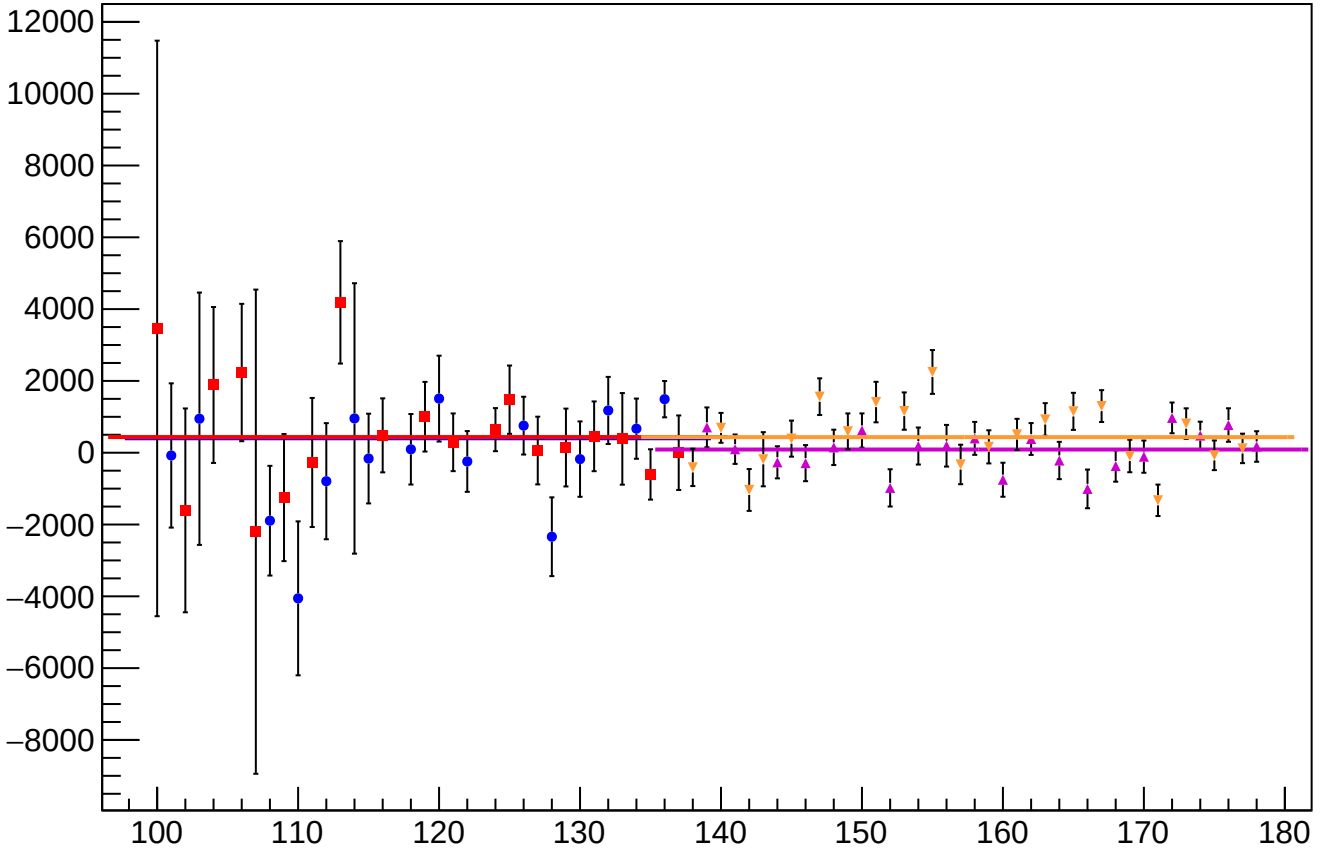
Left In: 1811.383+/-0.317 χ^2/NDF:1882.2/19

+ sign 1847.657+/-0.269 χ^2/NDF: 690651.3/36

All: 1851.102+/-0.191 χ^2/NDF: 1144905.4/75

- sign 1854.589+/-0.271 χ^2/NDF: 453924.2/38

asym_at1_dd_eigen_cor_correction_mean vs Slug



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 433.984+/-105.495 χ^2/NDF:58.4/20

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

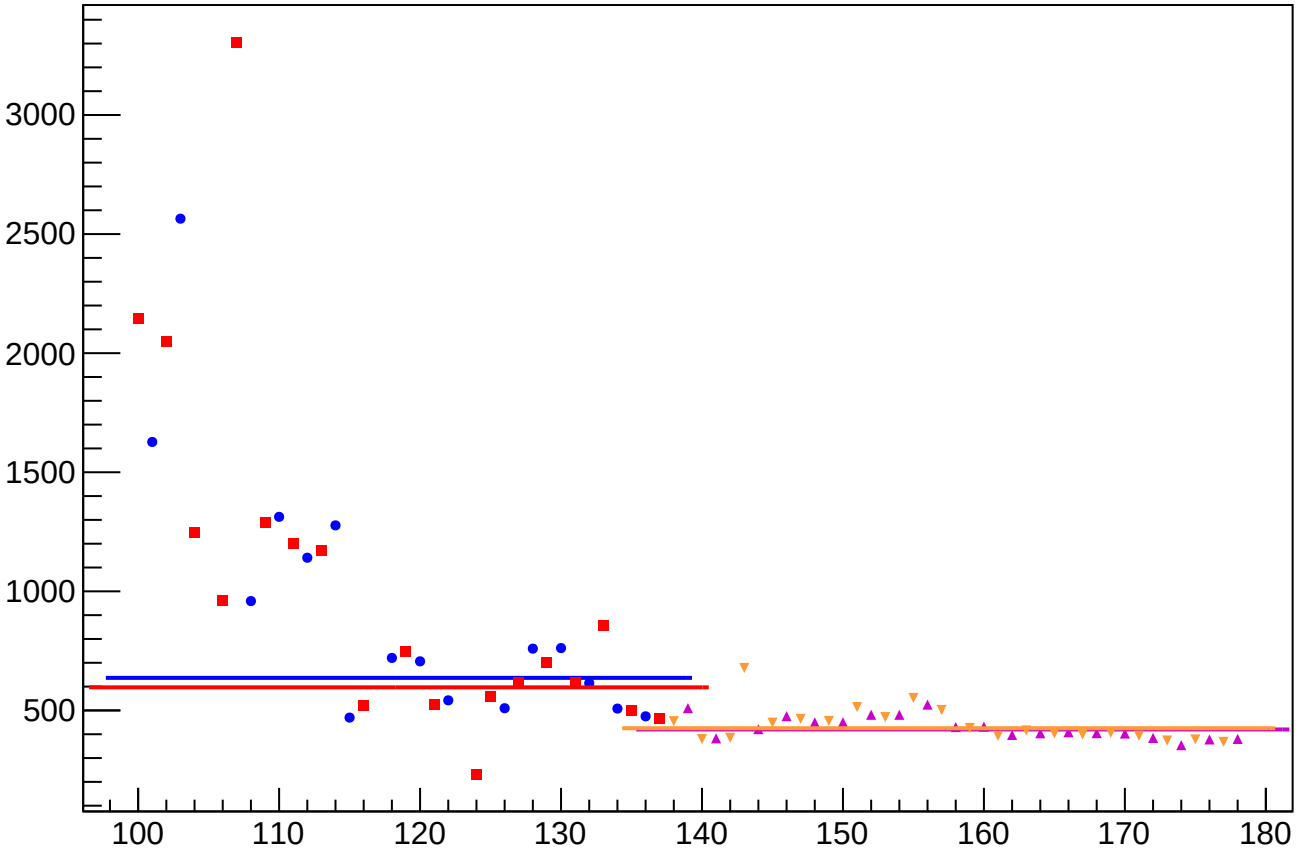
Left In: 89.165+/-104.771 χ^2/NDF:25.3/19

+ sign 429.520+/-97.678 χ^2/NDF: 79.5/36

All: 283.501+/-68.750 χ^2/NDF: 123.2/75

- sign 140.151+/-96.781 χ^2/NDF: 39.3/38

asym_at1_dd_eigen_cor_correction_rms vs Slug



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 425.249+/-0.075 χ^2/NDF:610124.8/20

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

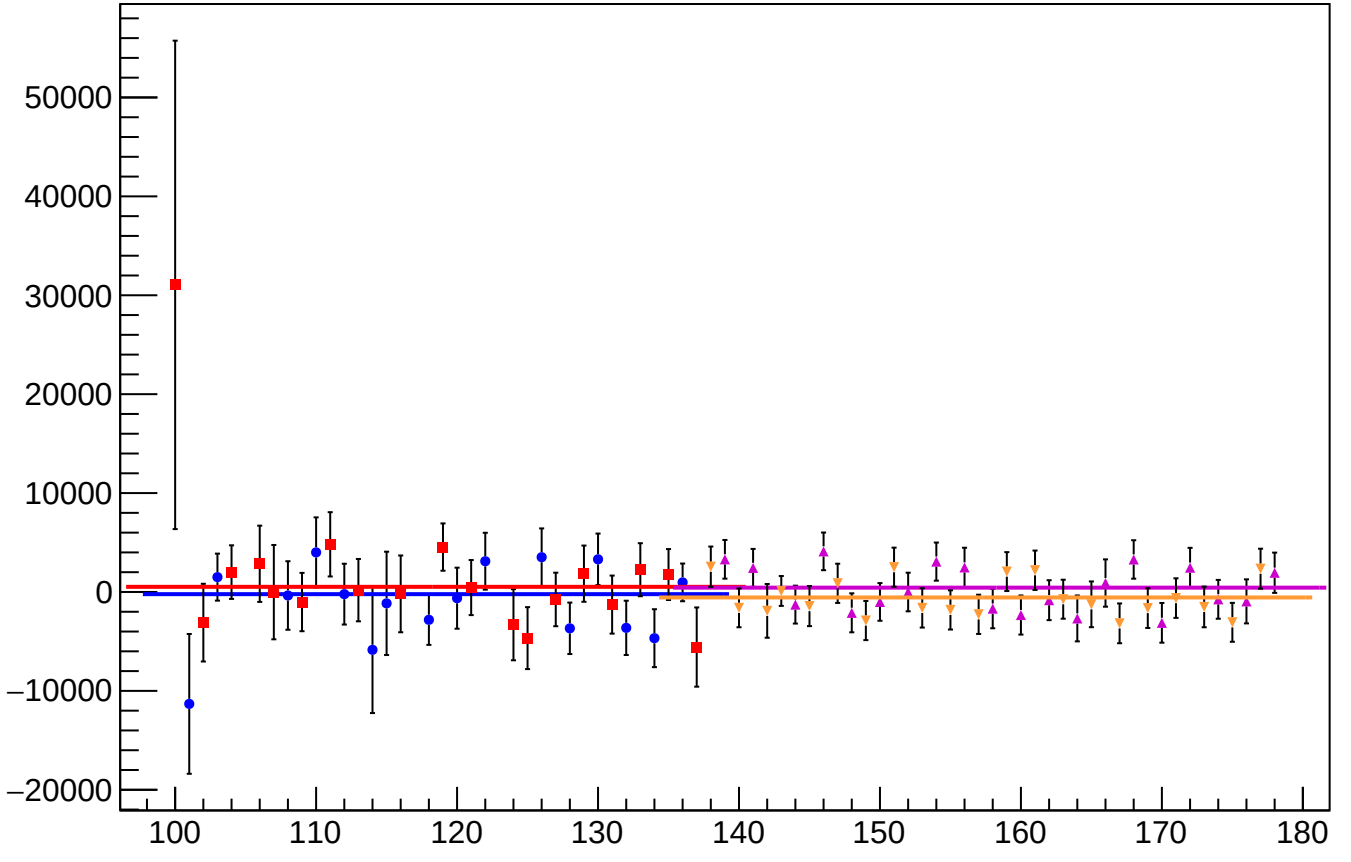
Left In: 420.011+/-0.074 χ^2/NDF:352061.4/19

+ sign 455.425+/-0.069 χ^2/NDF: 3822806.0/36

All: 450.647+/-0.049 χ^2/NDF: 7950831.7/75

- sign 445.957+/-0.068 χ^2/NDF: 4118542.9/38

dit_asym_at1_dd_mean vs Slug



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -554.612+/-434.922 χ^2/NDF:18.7/20

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

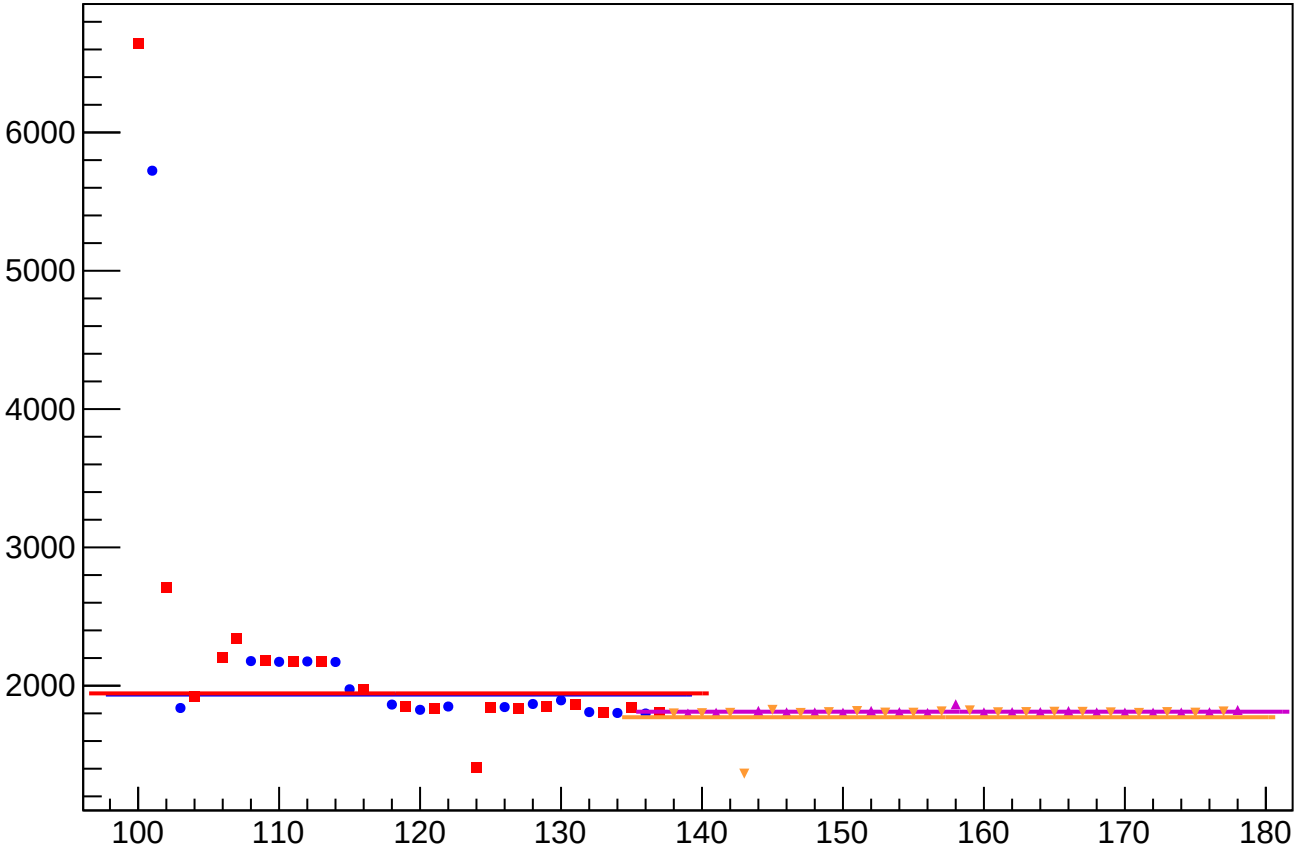
Left In: 437.629+/-448.187 χ^2/NDF:25.9/19

+ sign -468.091+/-374.418 χ^2/NDF: 35.9/36

All: -12.166+/-267.126 χ^2/NDF: 80.5/75

- sign 460.478+/-381.221 χ^2/NDF: 41.5/38

dit_asym_at1_dd_rms vs Slug



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1772.162+/-0.308 χ^2/NDF:159594.3/20

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

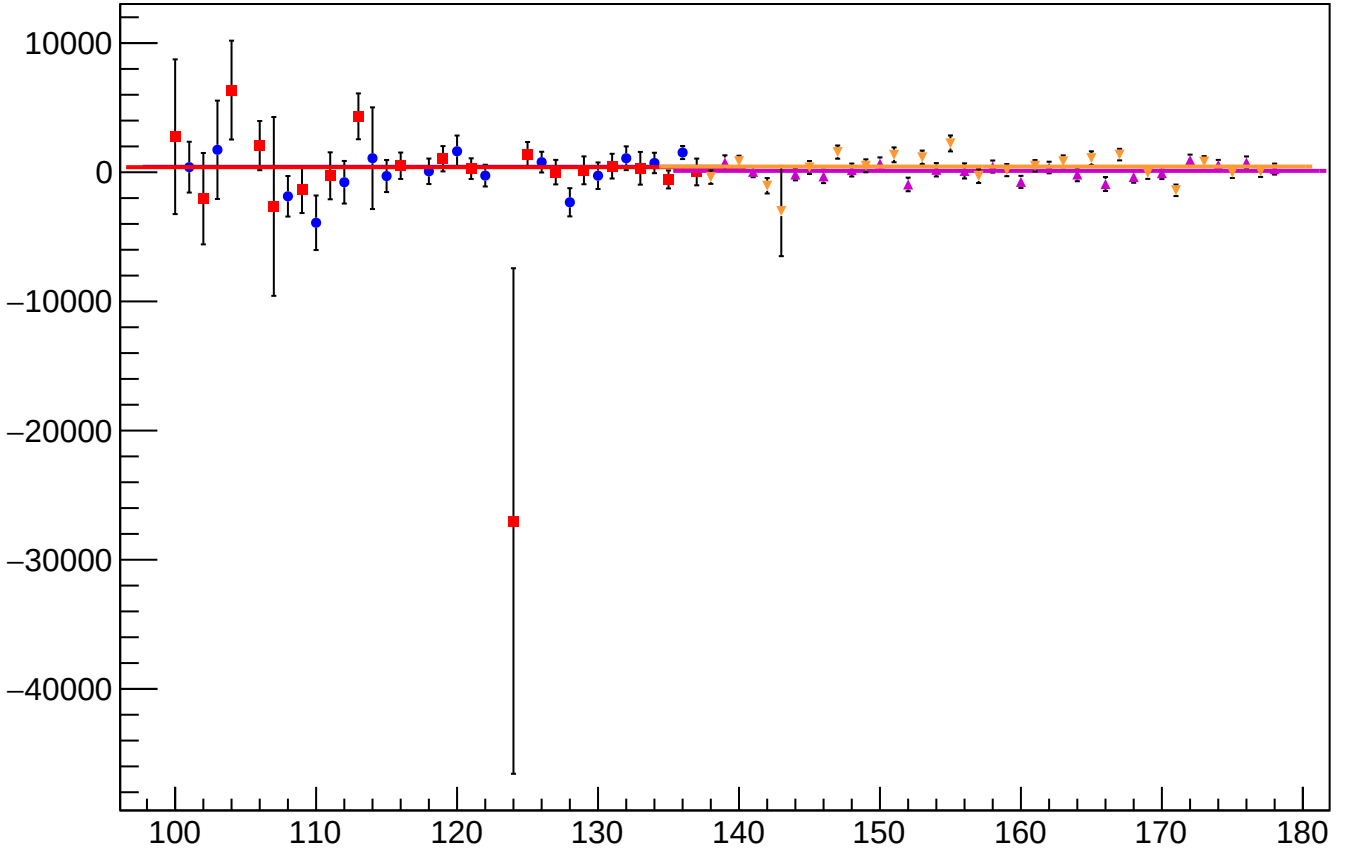
Left In: 1812.005+/-0.317 χ^2/NDF:1879.8/19

+ sign 1814.569+/-0.265 χ^2/NDF: 872851.8/36

All: 1831.297+/-0.189 χ^2/NDF: 1207412.1/75

- sign 1848.639+/-0.270 χ^2/NDF: 326429.4/38

asym_at1_dd_dit_correction_mean vs Slug



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 441.995+/-107.938 χ^2/NDF:57.8/20

Right Out: 393.590+/-279.562 χ^2/NDF: 15.9/18

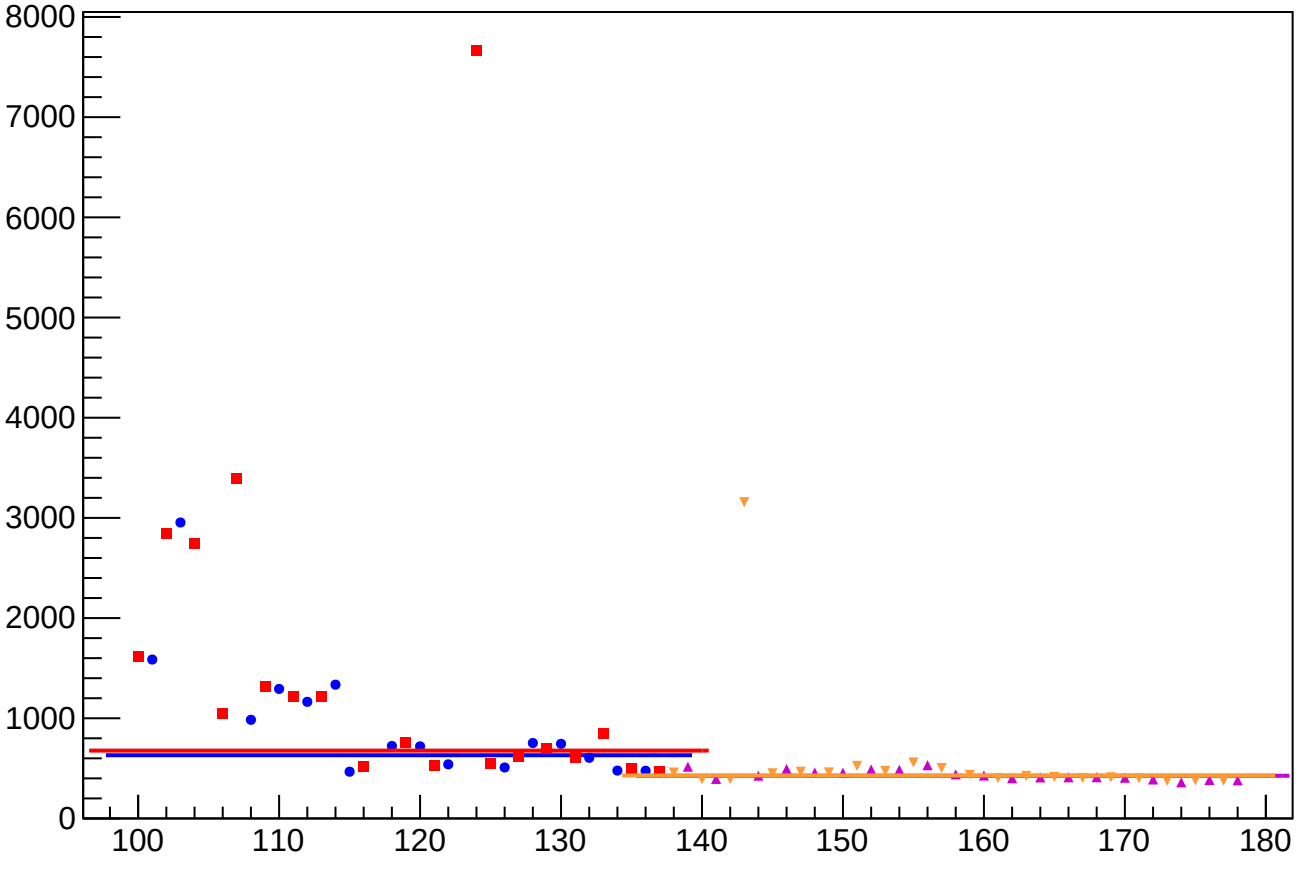
Left In: 107.943+/-106.191 χ^2/NDF:24.0/19

+ sign 438.864+/-99.502 χ^2/NDF: 79.3/36

All: 291.068+/-70.277 χ^2/NDF: 124.5/75

- sign 143.960+/-99.271 χ^2/NDF: 40.8/38

asym_at1_dd_dit_correction_rms vs Slug



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 429.099+/-0.076 χ^2/NDF:1579391.7/20

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

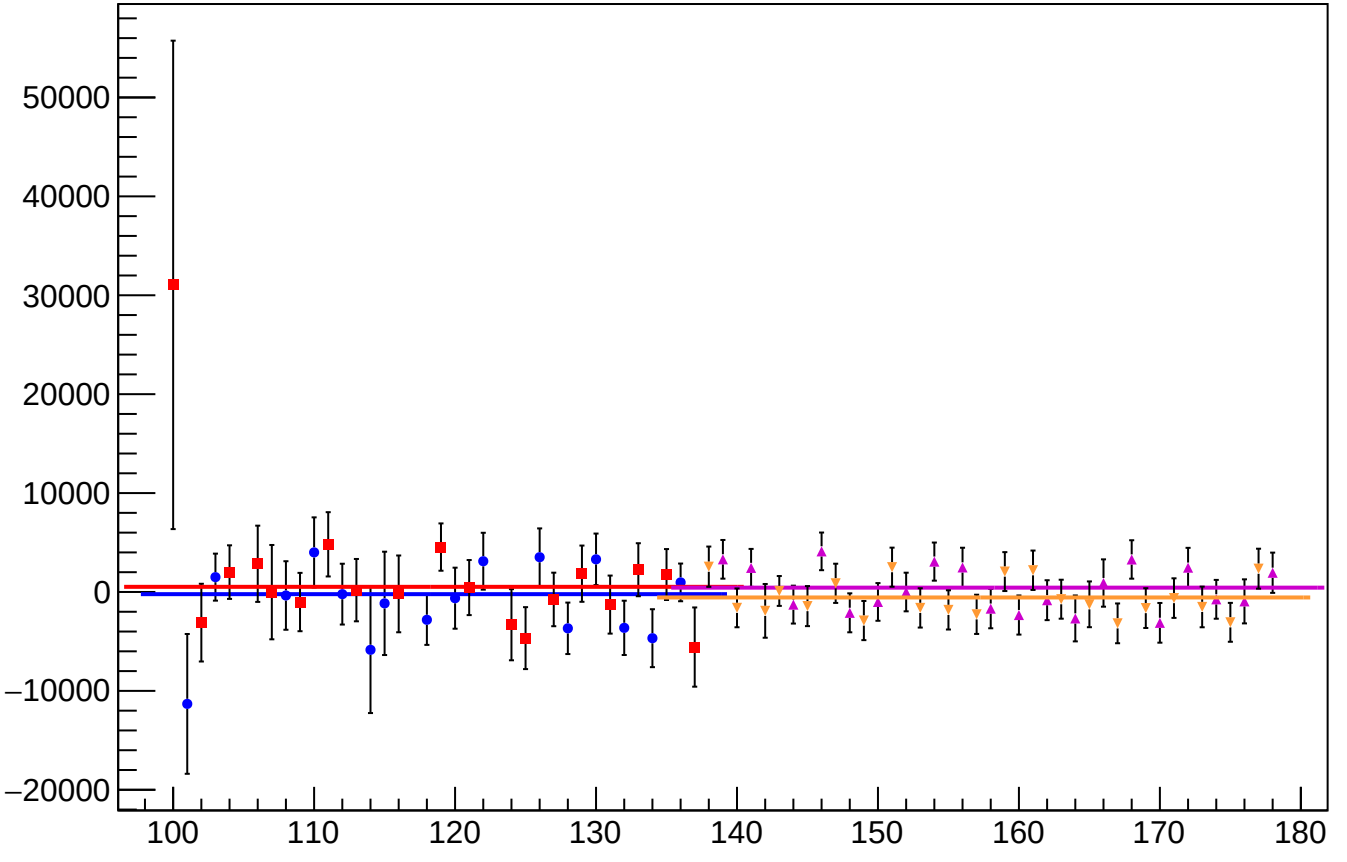
Left In: 426.117+/-0.075 χ^2/NDF:358498.2/19

+ sign 459.444+/-0.070 χ^2/NDF: 4866337.5/36

All: 458.623+/-0.050 χ^2/NDF: 9719196.7/75

- sign 457.806+/-0.070 χ^2/NDF: 4852587.6/38

eigen_dit_asym_at1_dd_mean vs Slug



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -554.612+/-434.922 χ^2/NDF:18.7/20

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

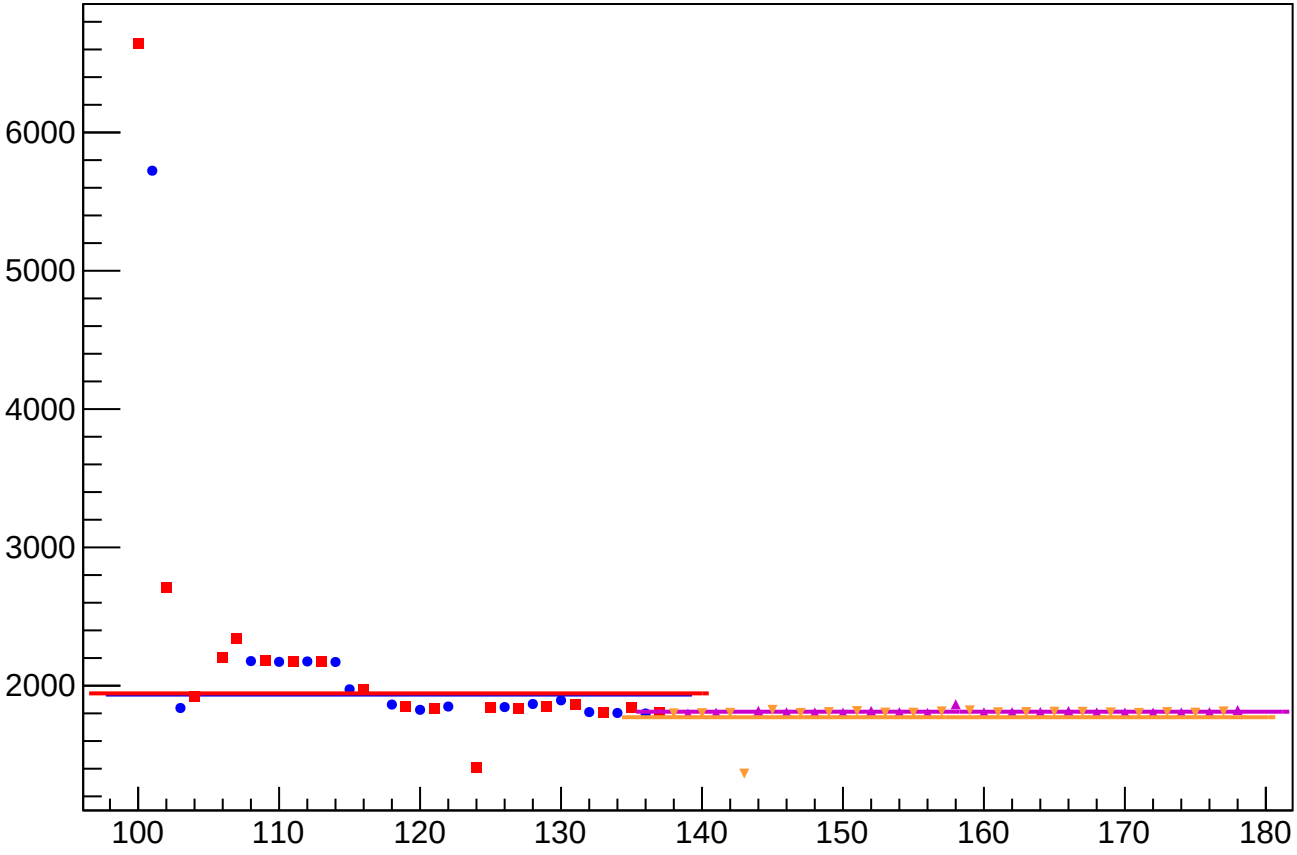
Left In: 437.628+/-448.187 χ^2/NDF:25.9/19

+ sign -468.091+/-374.418 χ^2/NDF: 35.9/36

All: -12.166+/-267.126 χ^2/NDF: 80.5/75

- sign 460.478+/-381.221 χ^2/NDF: 41.5/38

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1772.162+/-0.308 χ^2/NDF:159594.2/20

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

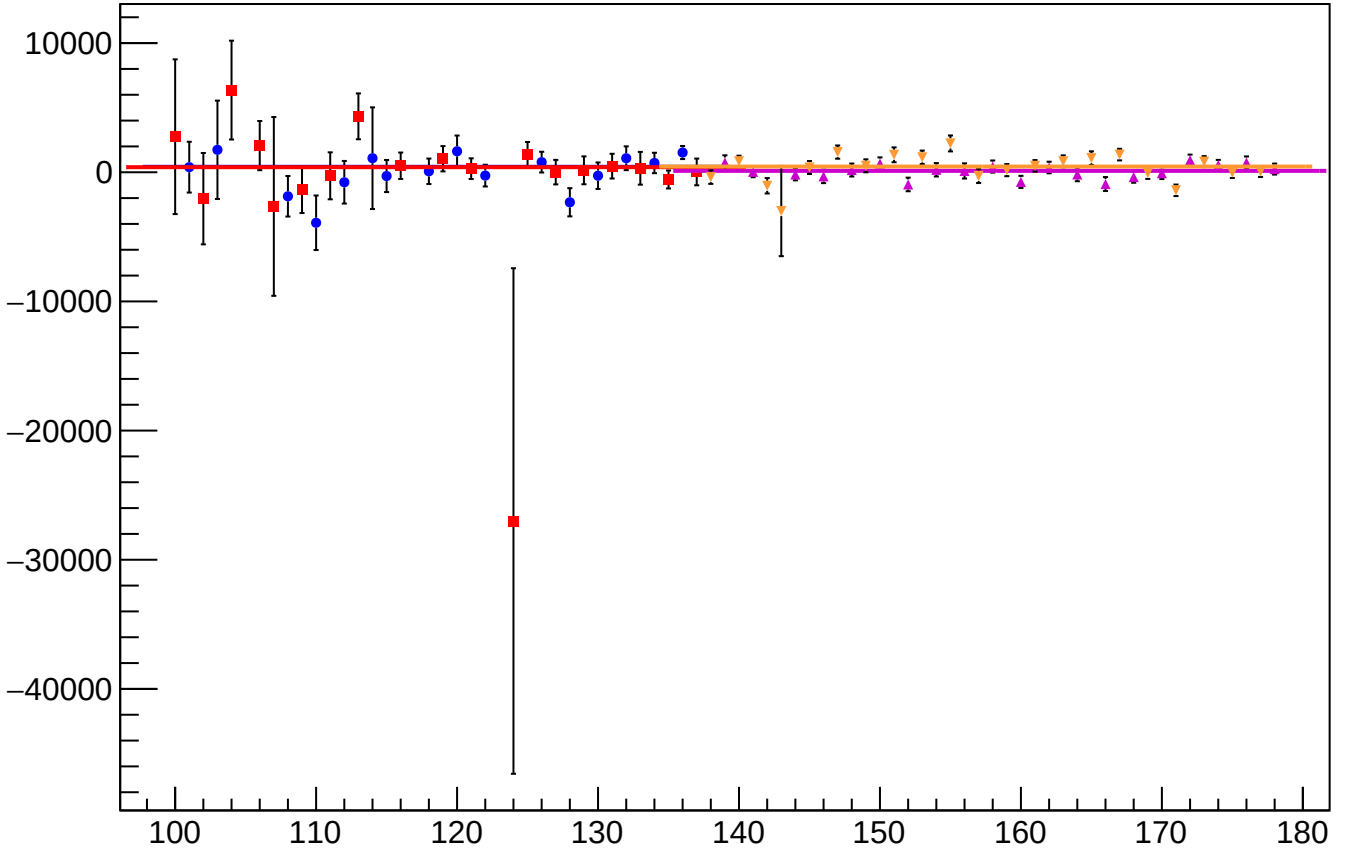
Left In: 1812.005+/-0.317 χ^2/NDF:1879.8/19

+ sign 1814.569+/-0.265 χ^2/NDF: 872851.8/36

All: 1831.297+/-0.189 χ^2/NDF: 1207411.9/75

- sign 1848.639+/-0.270 χ^2/NDF: 326429.2/38

asym_at1_dd_eigen_dit_correction_mean vs Slug



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 441.995+/-107.937 χ^2/NDF:57.8/20

Right Out: 393.591+/-279.562 χ^2/NDF: 15.9/18

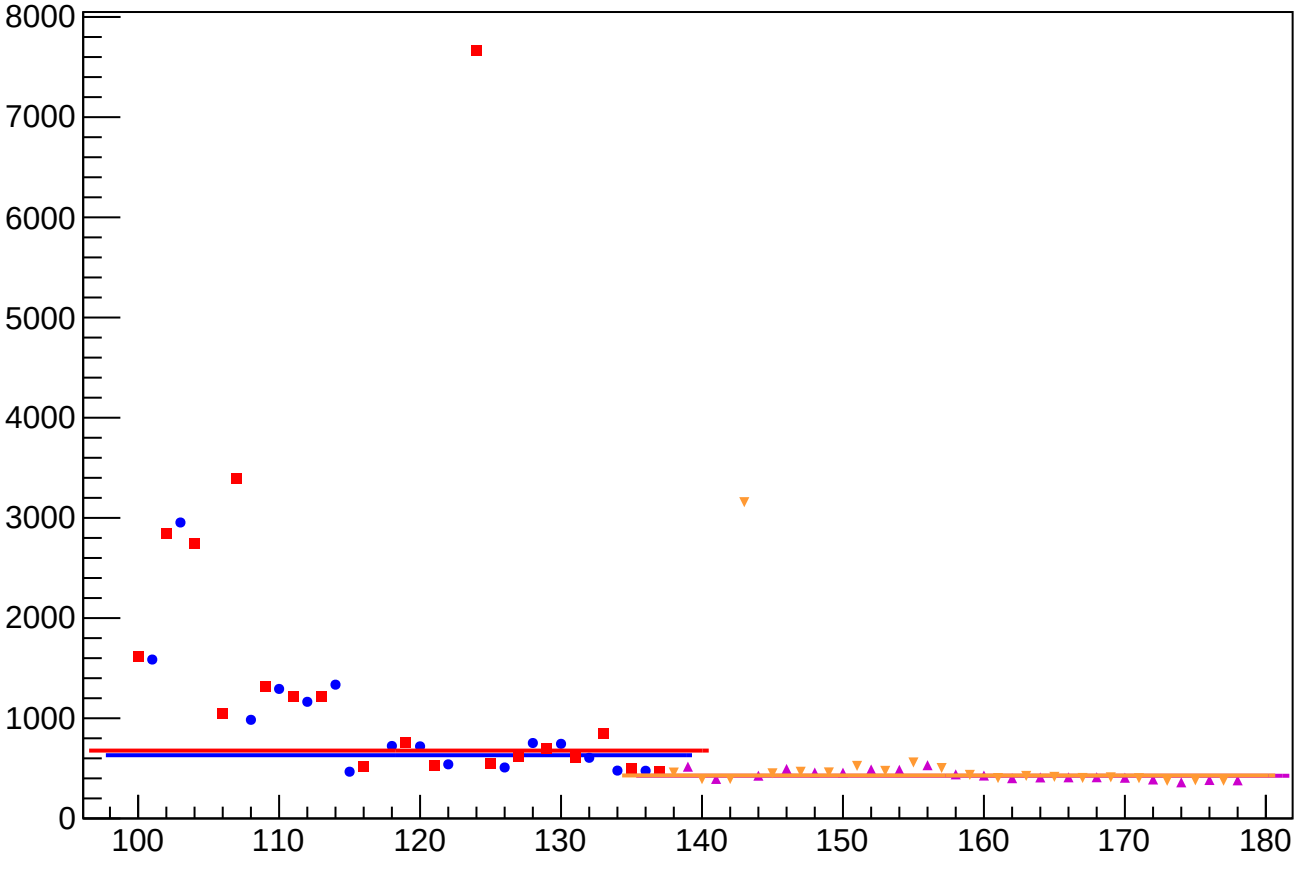
Left In: 107.942+/-106.191 χ^2/NDF:24.0/19

+ sign 438.863+/-99.502 χ^2/NDF: 79.3/36

All: 291.068+/-70.277 χ^2/NDF: 124.5/75

- sign 143.959+/-99.271 χ^2/NDF: 40.8/38

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 429.099+/-0.076 χ^2/NDF:1579393.1/20

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

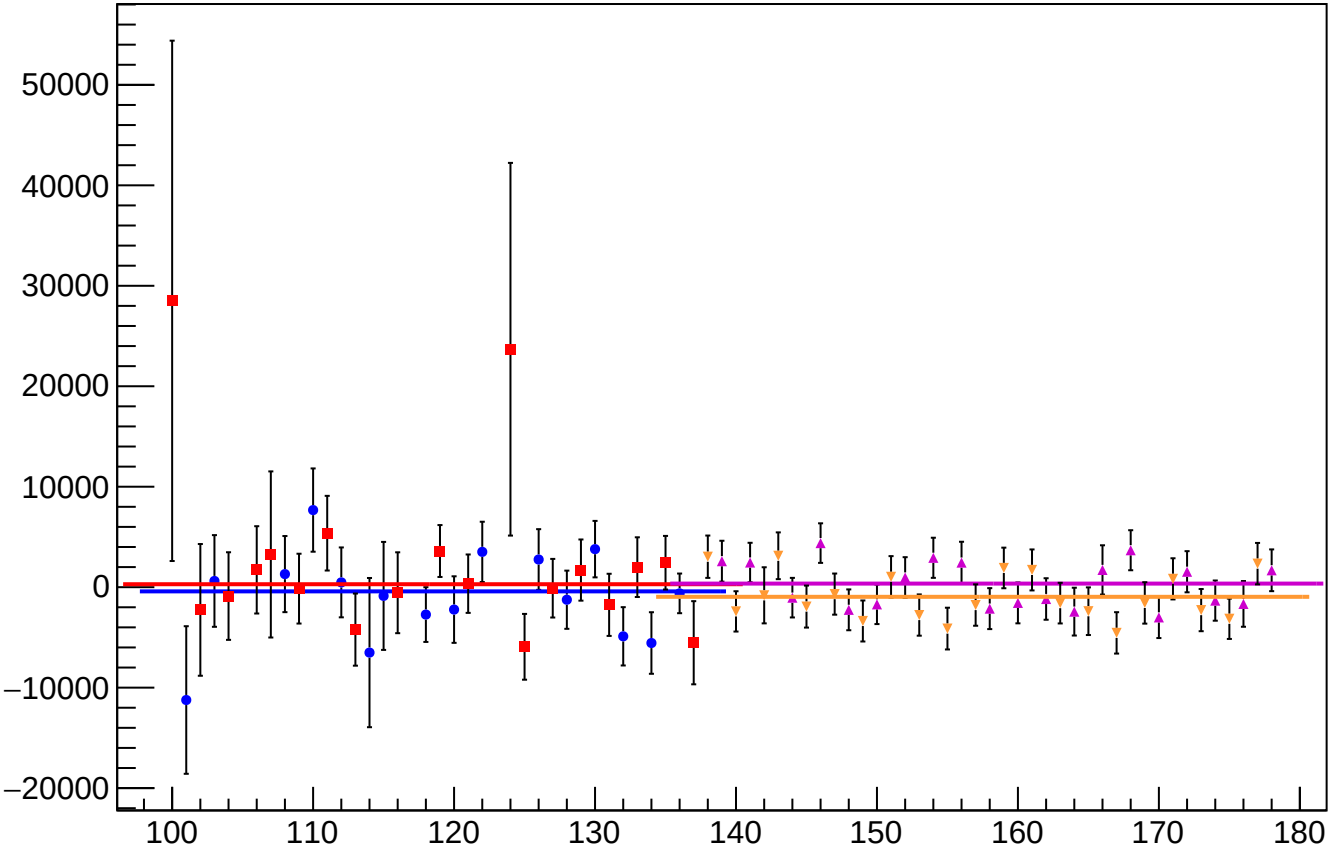
Left In: 426.117+/-0.075 χ^2/NDF:358501.3/19

+ sign 459.444+/-0.070 χ^2/NDF: 4866339.2/36

All: 458.623+/-0.050 χ^2/NDF: 9719202.7/75

- sign 457.806+/-0.070 χ^2/NDF: 4852591.9/38

asym_at1_dd_mean vs Slug



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: -959.271+/-458.291 χ^2/NDF:25.2/20

Right Out: 294.527+/-831.610 χ^2/NDF: 15.6/18

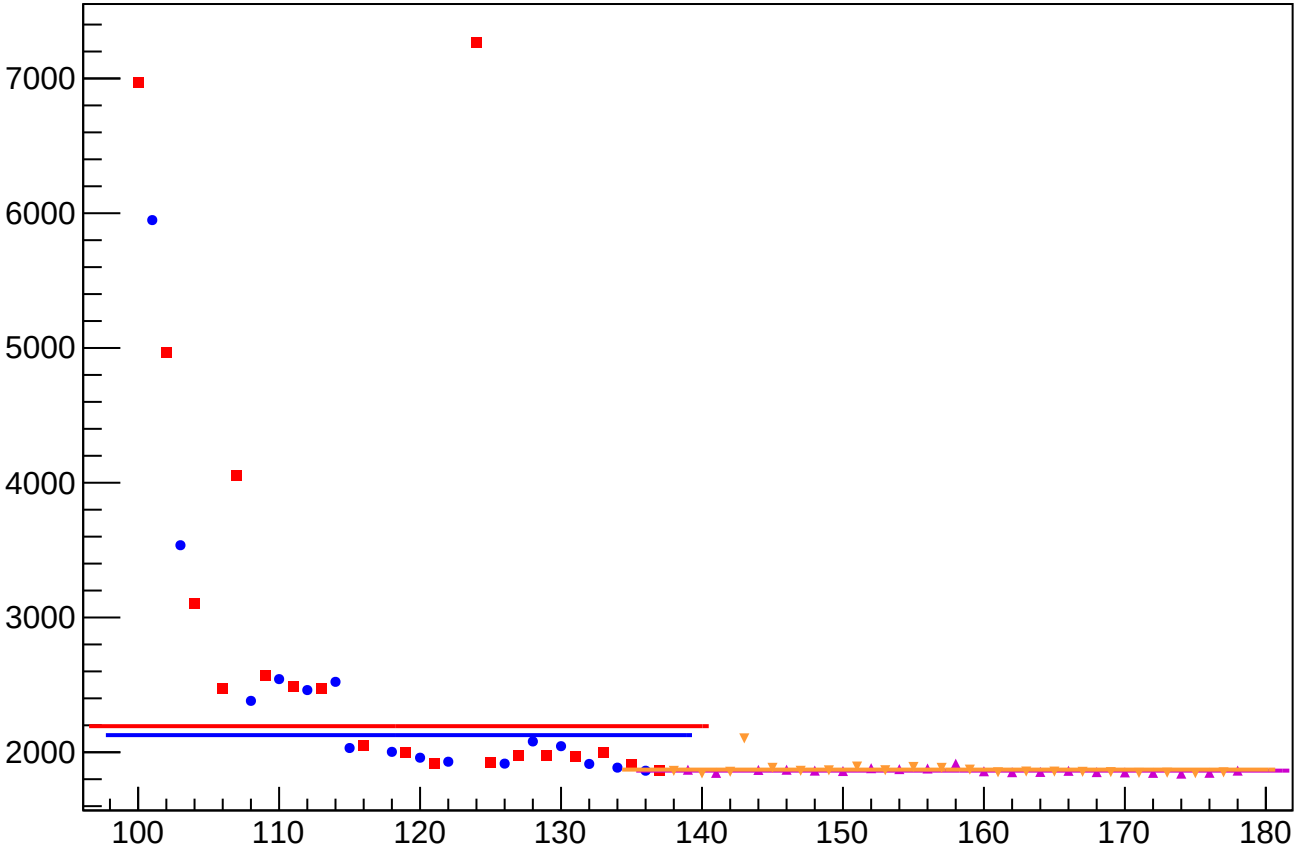
Left In: 356.975+/-460.946 χ^2/NDF:24.9/19

+ sign -829.245+/-399.509 χ^2/NDF: 43.9/36

All: -248.797+/-283.777 χ^2/NDF: 88.7/75

- sign 342.299+/-403.157 χ^2/NDF: 40.5/38

asym_at1_dd_rms vs Slug



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1871.240+/-0.324 χ^2/NDF:22742.8/20

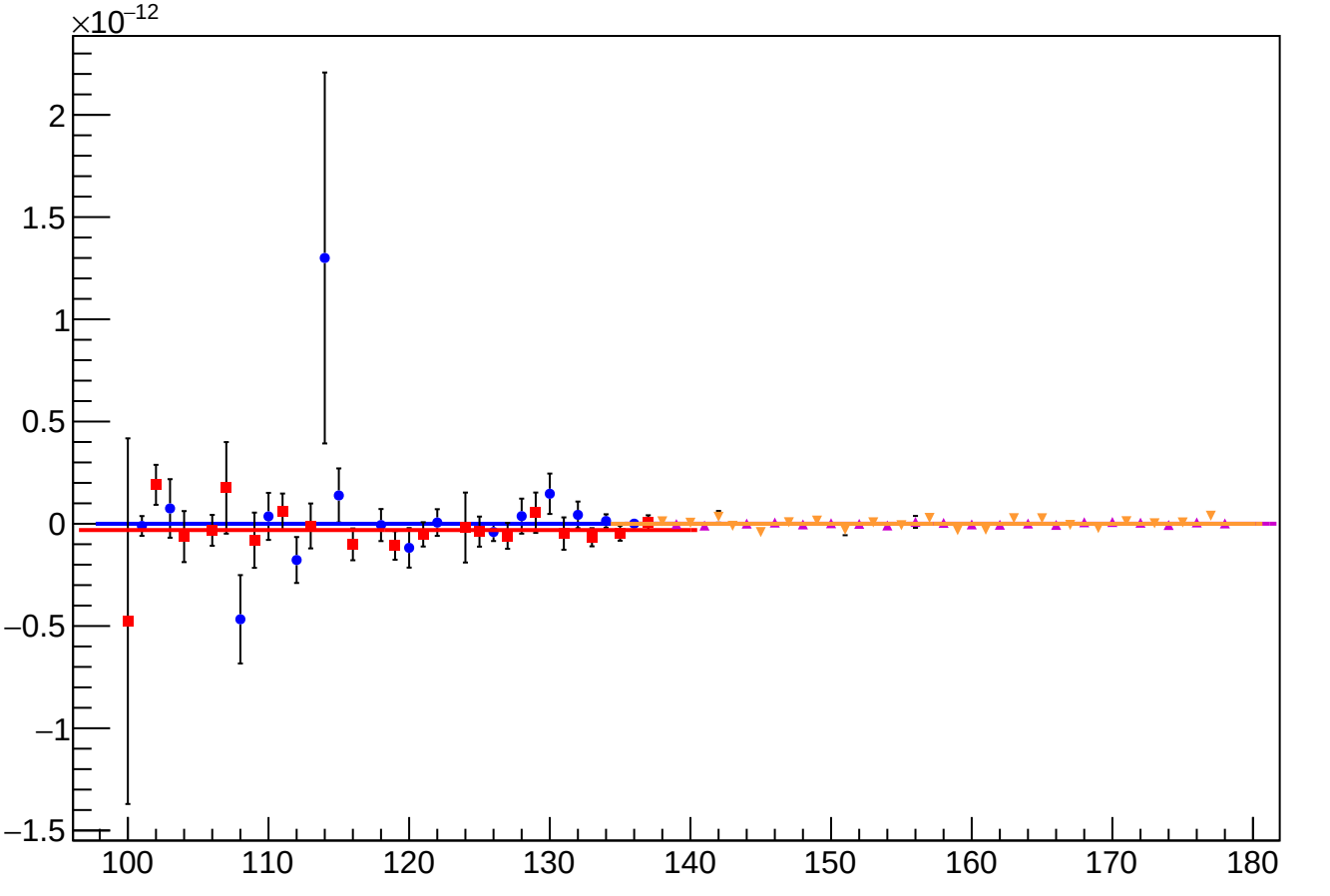
Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

Left In: 1863.556+/-0.326 χ^2/NDF:2539.6/19

+ sign 1932.651+/-0.282 χ^2/NDF: 1047409.0/36

All: 1936.844+/-0.201 χ^2/NDF: 2233898.6/75

- sign 1941.114+/-0.285 χ^2/NDF: 1186045.0/38



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.7/20

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

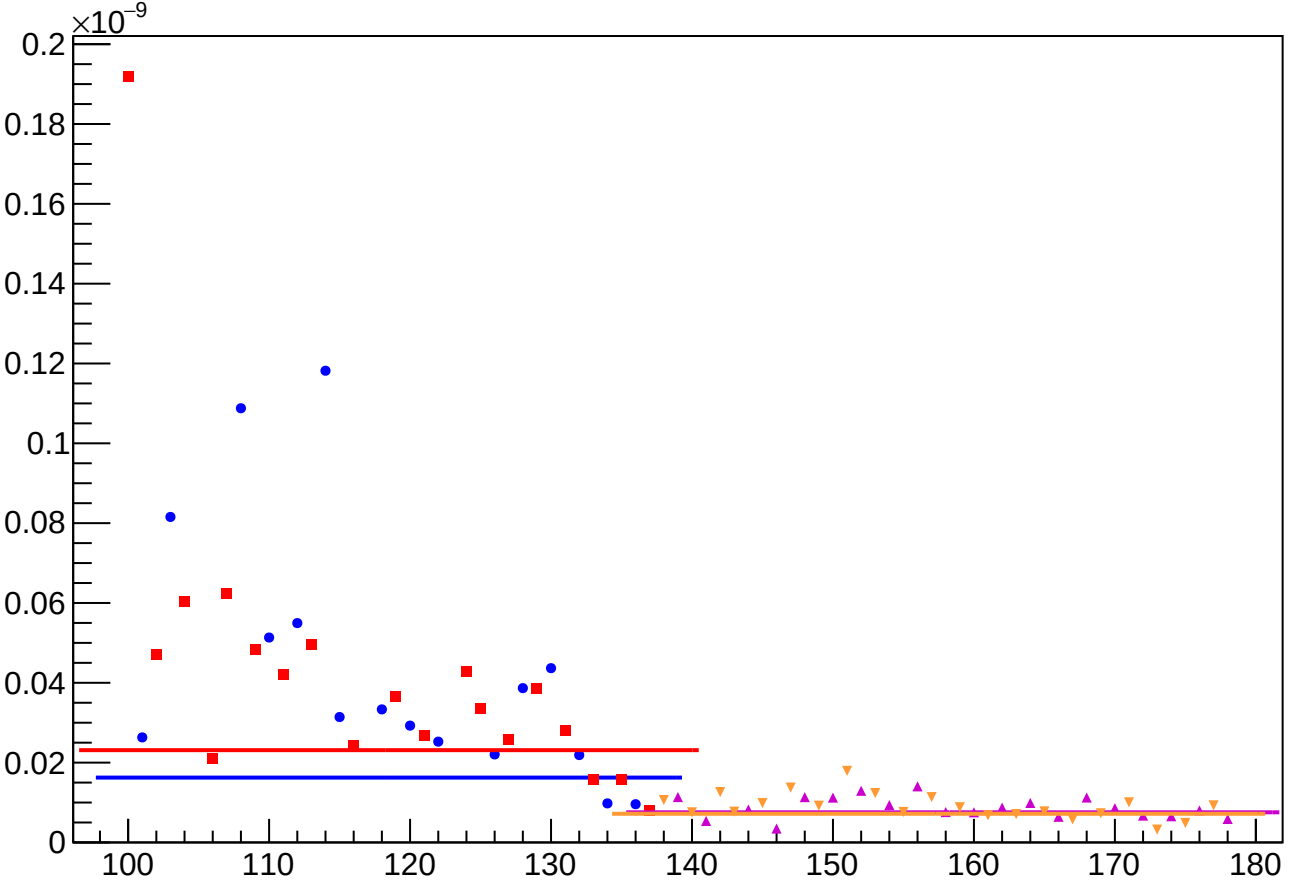
Left In: 0.000+/-0.000 χ^2/NDF:2.6/19

+ sign -0.000+/-0.000 χ^2/NDF: 50.7/36

All: -0.000+/-0.000 χ^2/NDF: 69.6/75

- sign -0.000+/-0.000 χ^2/NDF: 18.8/38

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:1590011.5/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

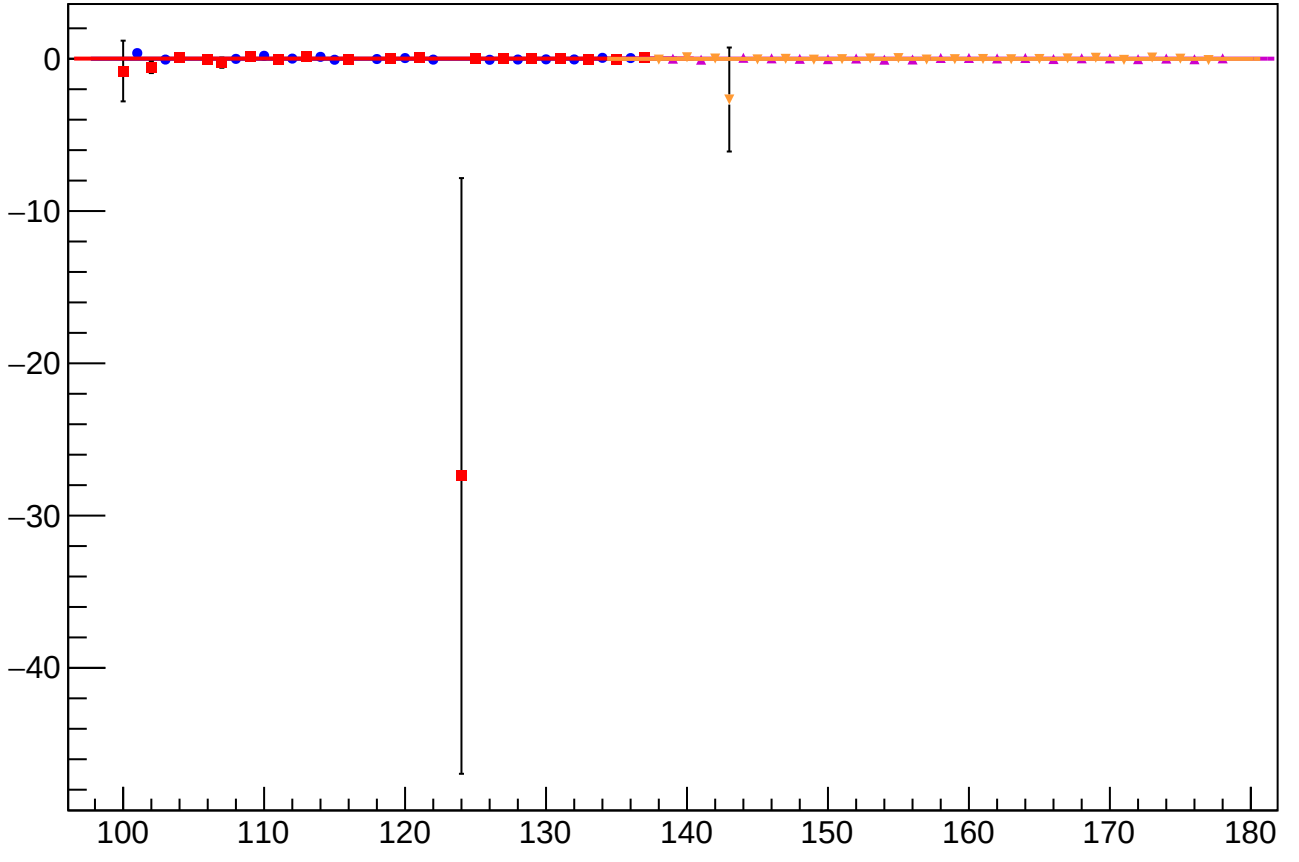
Left In: 0.000+/-0.000 χ^2/NDF:1046643.9/19

+ sign 0.000+/-0.000 χ^2/NDF: 4966902.1/36

All: 0.000+/-0.000 χ^2/NDF: 9319006.5/75

- sign 0.000+/-0.000 χ^2/NDF: 4332250.2/38

asym_at1_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.007+/-0.009 χ^2/NDF:35.2/20

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

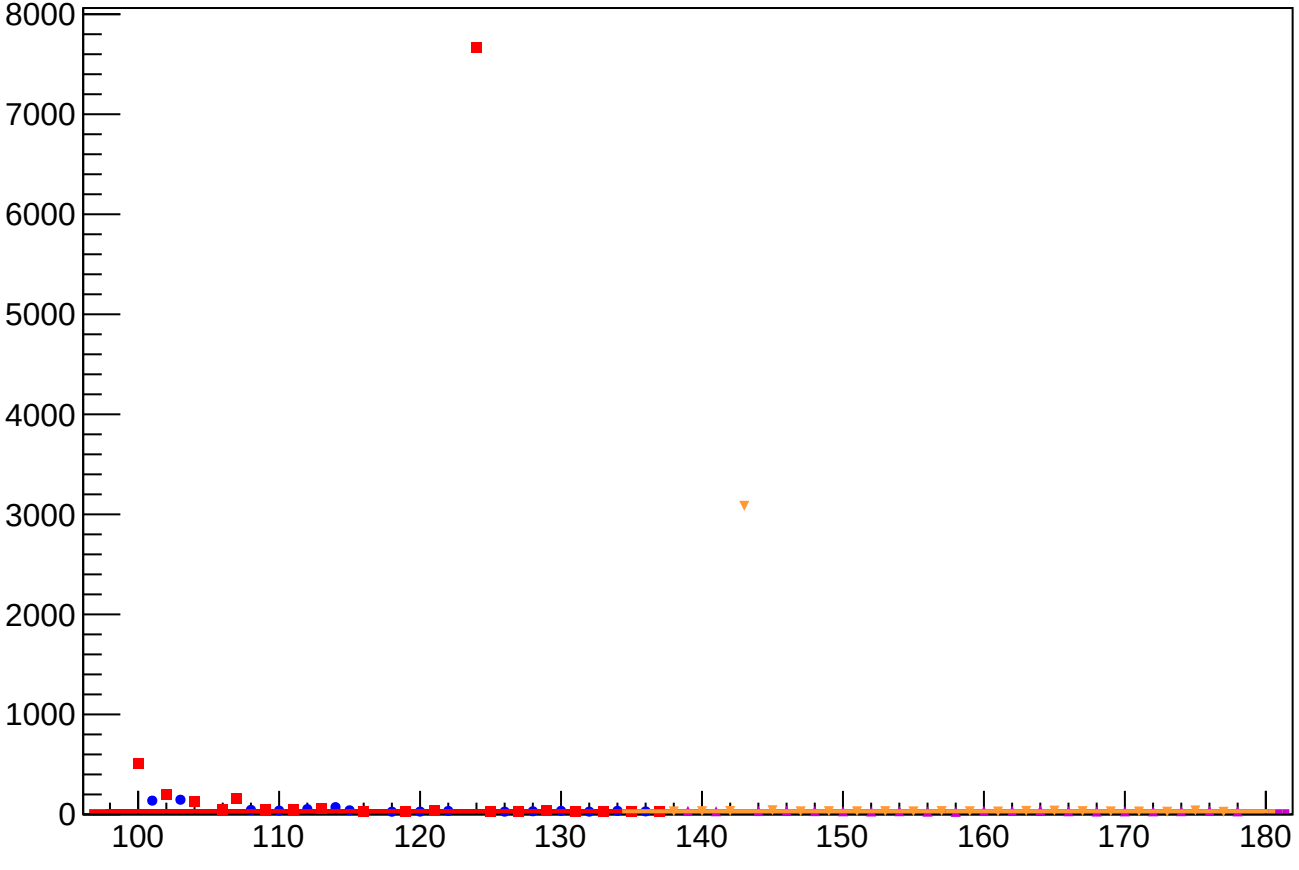
Left In: 0.007+/-0.009 χ^2/NDF:18.8/19

+ sign -0.005+/-0.008 χ^2/NDF: 56.5/36

All: 0.002+/-0.005 χ^2/NDF: 91.1/75

- sign 0.008+/-0.008 χ^2/NDF: 33.1/38

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 31.793+/-0.006 χ^2/NDF:1915612.3/20

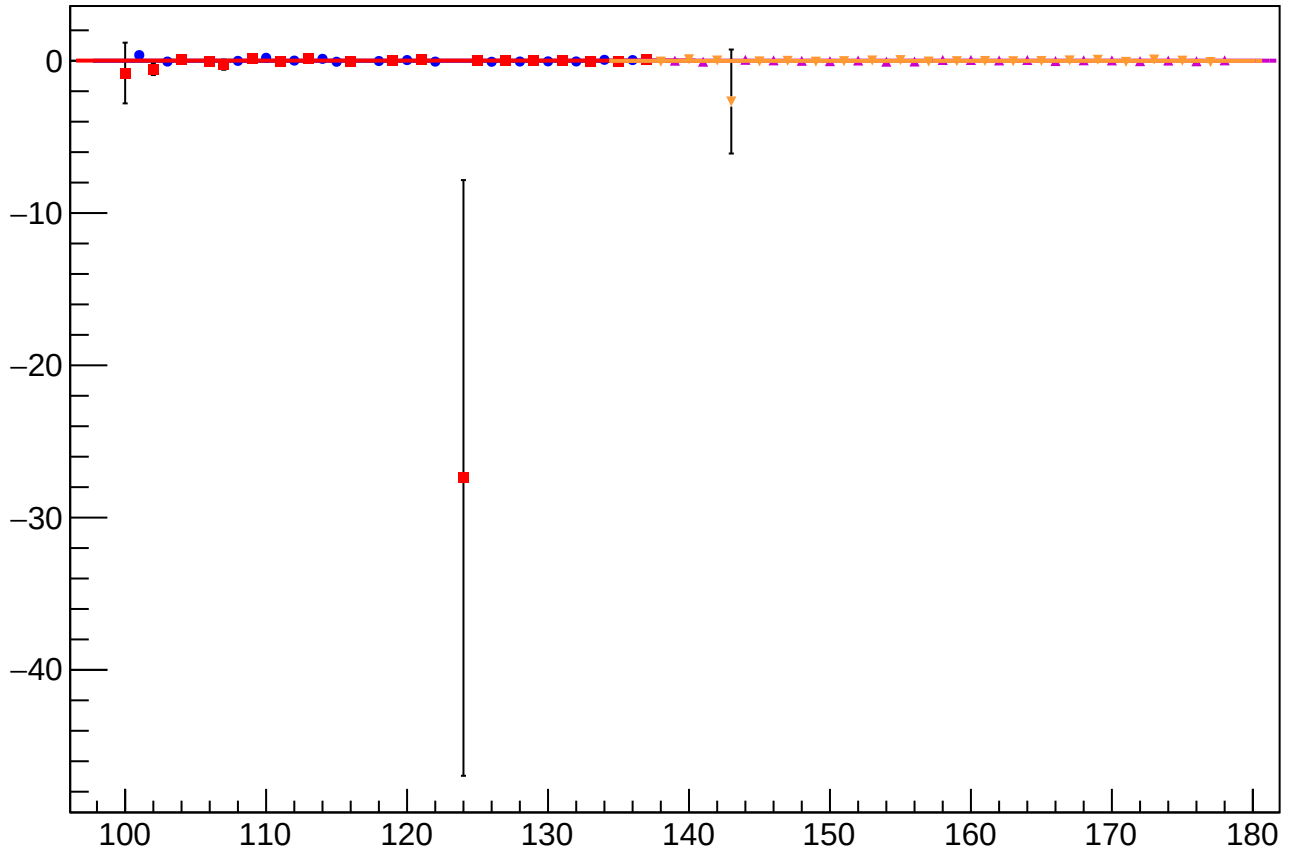
Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.337+/-0.006 χ^2/NDF:285071.3/19

\+ sign 32.381+/-0.005 χ^2/NDF: 3667676.9/36

All: 32.455+/-0.004 χ^2/NDF: 6032009.9/75

\- sign 32.529+/-0.005 χ^2/NDF: 2363946.2/38



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.007+/-0.009 χ^2/NDF:35.2/20

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

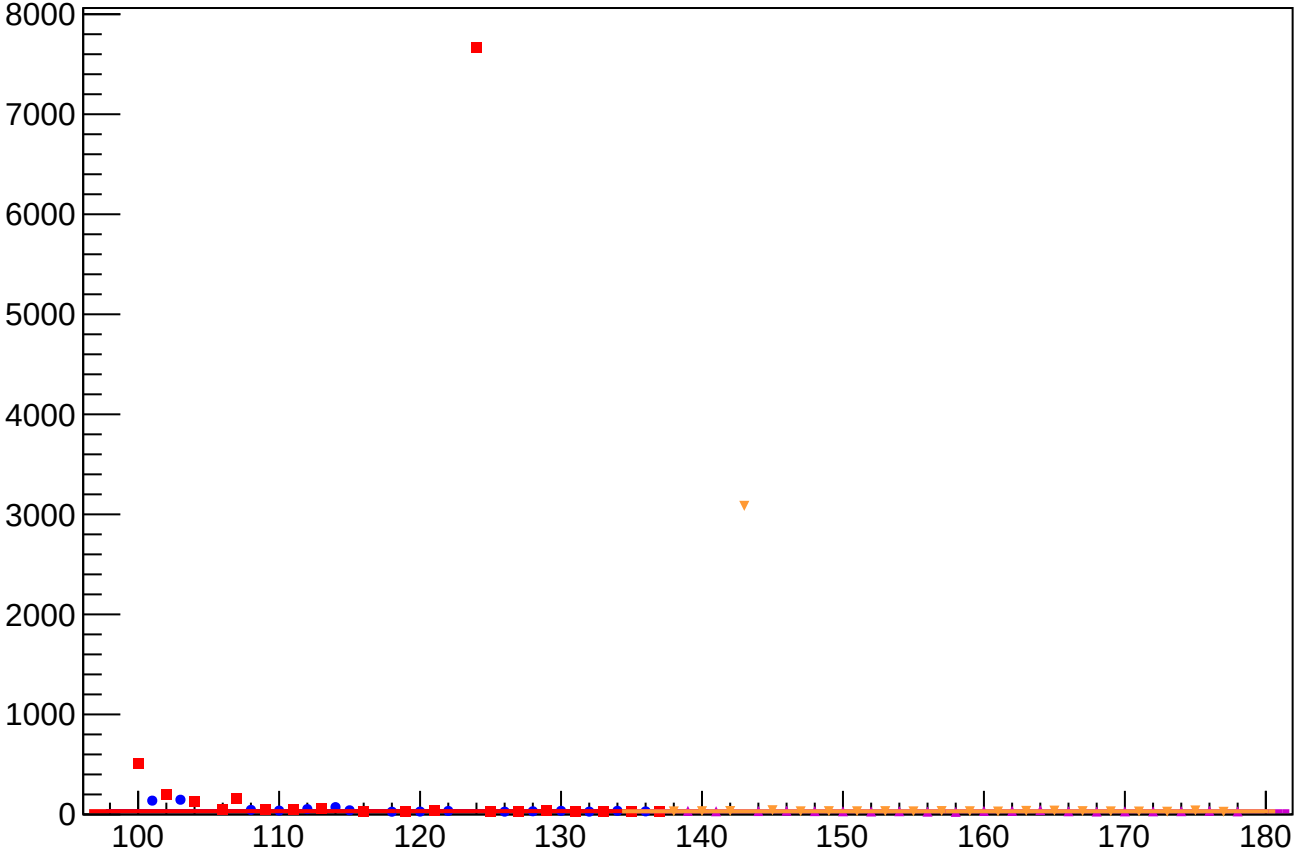
Left In: 0.007+/-0.009 χ^2/NDF:18.8/19

+ sign -0.005+/-0.008 χ^2/NDF: 56.5/36

All: 0.002+/-0.005 χ^2/NDF: 91.1/75

- sign 0.008+/-0.008 χ^2/NDF: 33.1/38

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: 31.793+/-0.006 χ^2/NDF:1915612.3/20

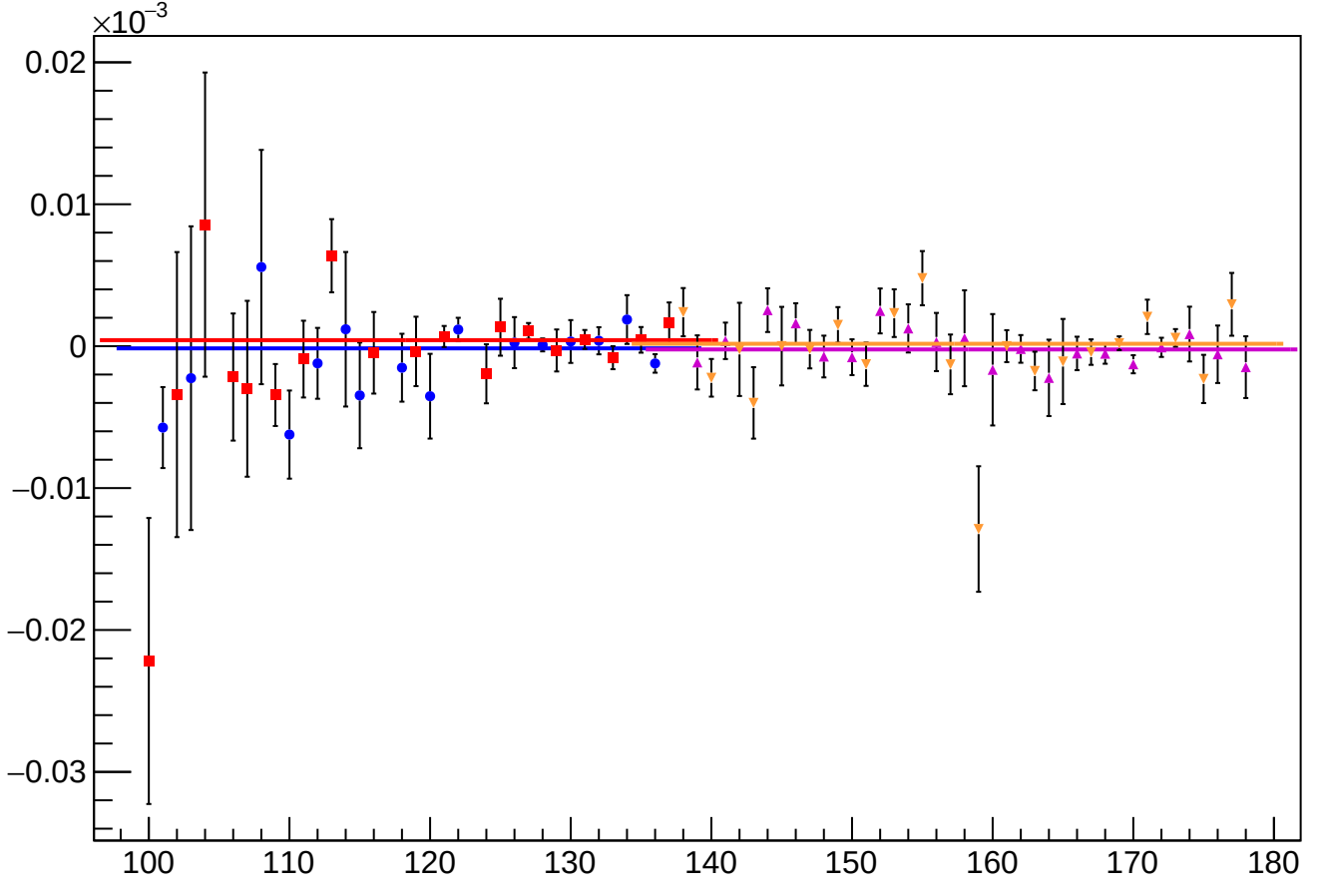
Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.337+/-0.006 χ^2/NDF:285071.3/19

+ sign 32.381+/-0.005 χ^2/NDF: 3667676.9/36

All: 32.455+/-0.004 χ^2/NDF: 6032009.9/75

- sign 32.529+/-0.005 χ^2/NDF: 2363946.2/38



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.8/20

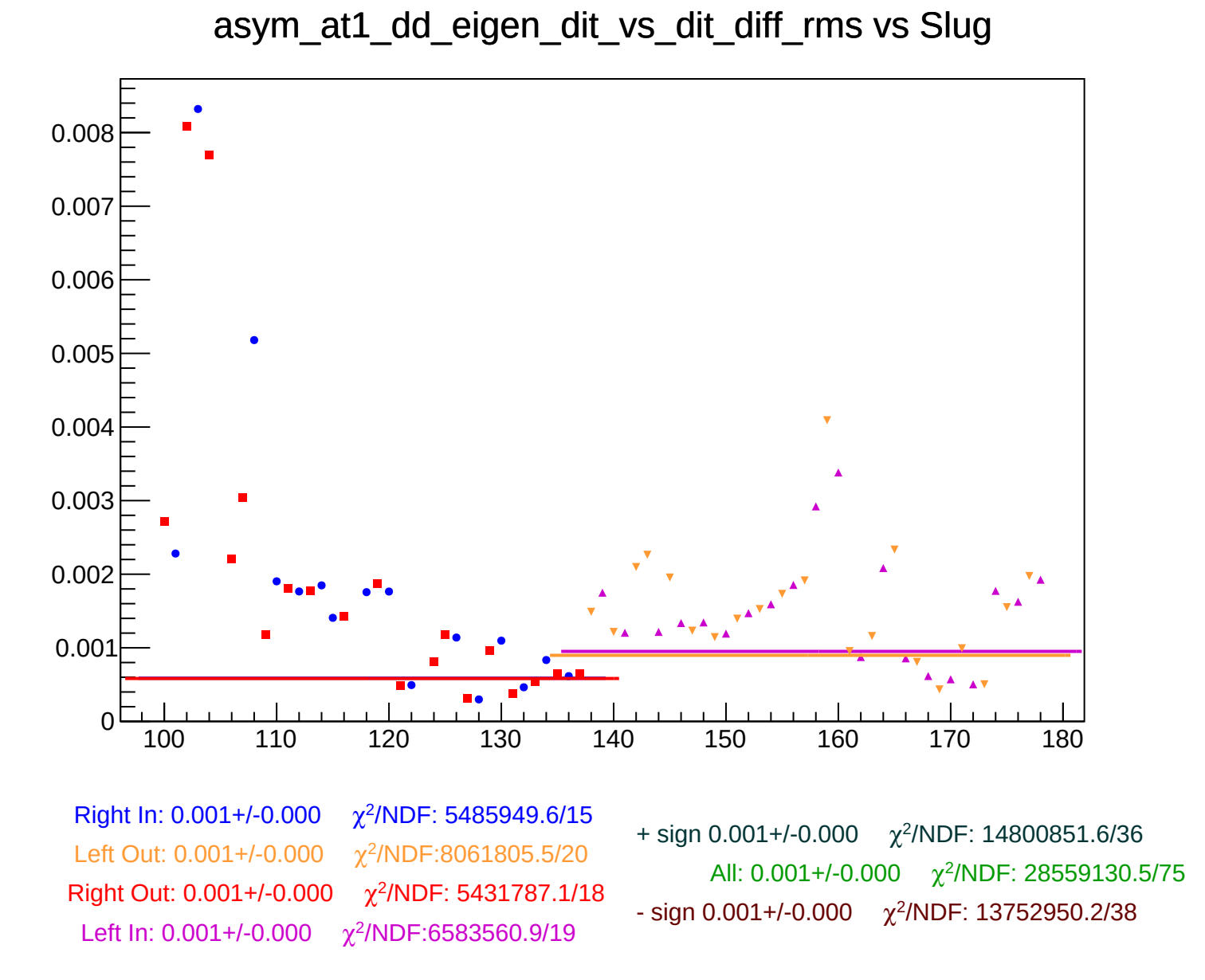
Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

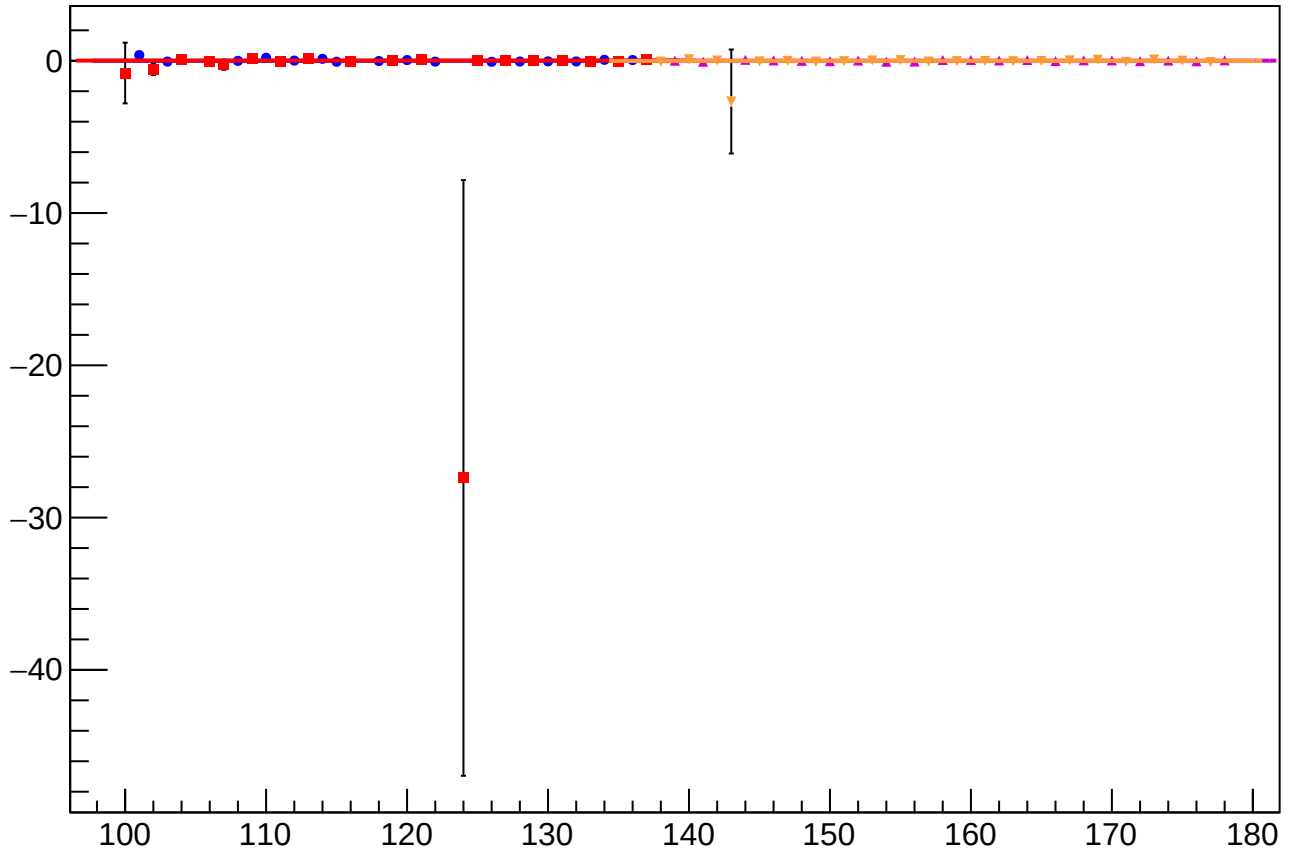
Left In: -0.000+/-0.000 χ^2/NDF:13.8/19

+ sign 0.000+/-0.000 χ^2/NDF: 54.6/36

All: 0.000+/-0.000 χ^2/NDF: 92.8/75

- sign 0.000+/-0.000 χ^2/NDF: 38.2/38


asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 5485949.6/15
Left Out: 0.001+/-0.000 χ²/NDF:8061805.5/20
Right Out: 0.001+/-0.000 χ²/NDF: 5431787.1/18
Left In: 0.001+/-0.000 χ²/NDF:6583560.9/19
+ sign 0.001+/-0.000 χ²/NDF: 14800851.6/36
All: 0.001+/-0.000 χ²/NDF: 28559130.5/75
- sign 0.001+/-0.000 χ²/NDF: 13752950.2/38



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.007+/-0.009 χ^2/NDF:35.2/20

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

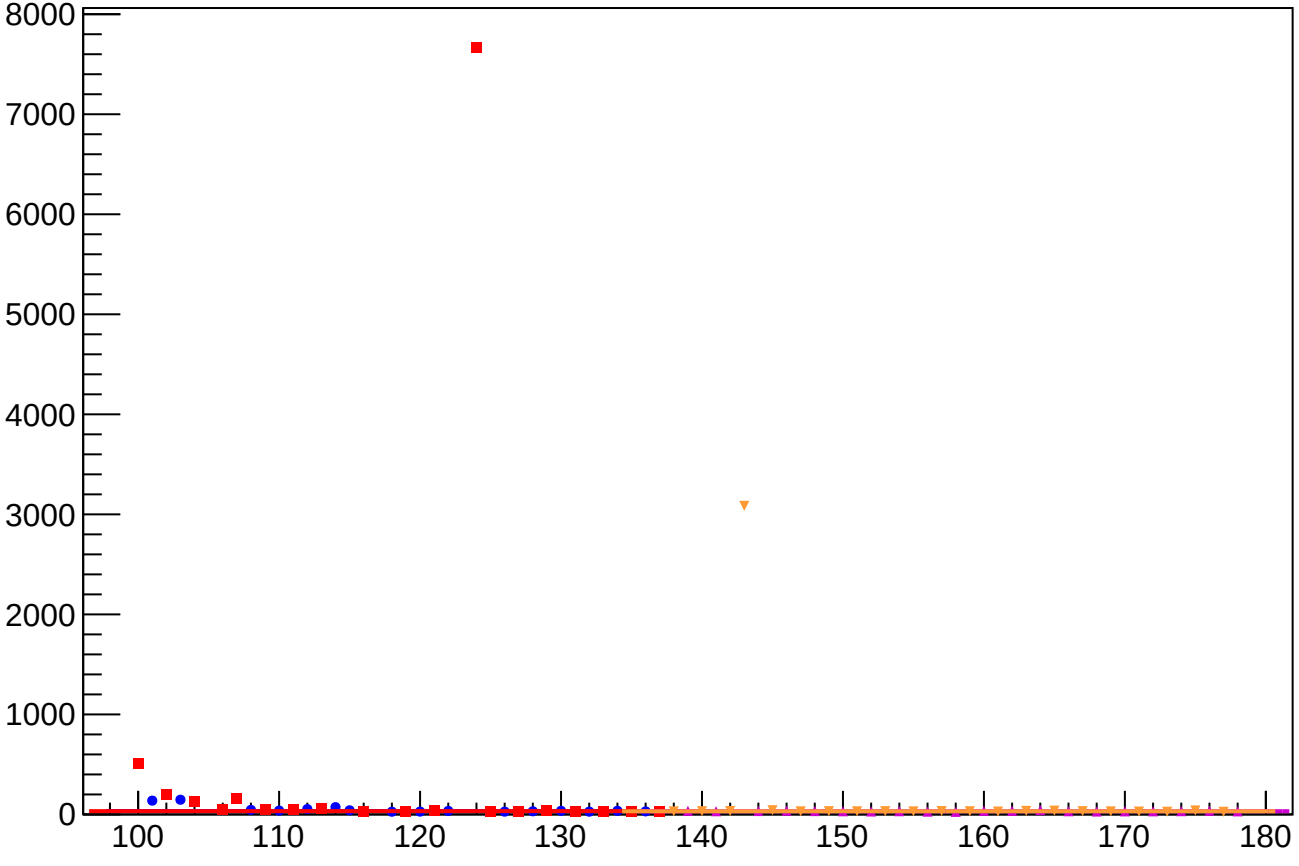
Left In: 0.007+/-0.009 χ^2/NDF:18.8/19

+ sign -0.005+/-0.008 χ^2/NDF: 56.5/36

All: 0.002+/-0.005 χ^2/NDF: 91.1/75

- sign 0.008+/-0.008 χ^2/NDF: 33.1/38

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: 31.793+/-0.006 χ^2/NDF:1915642.4/20

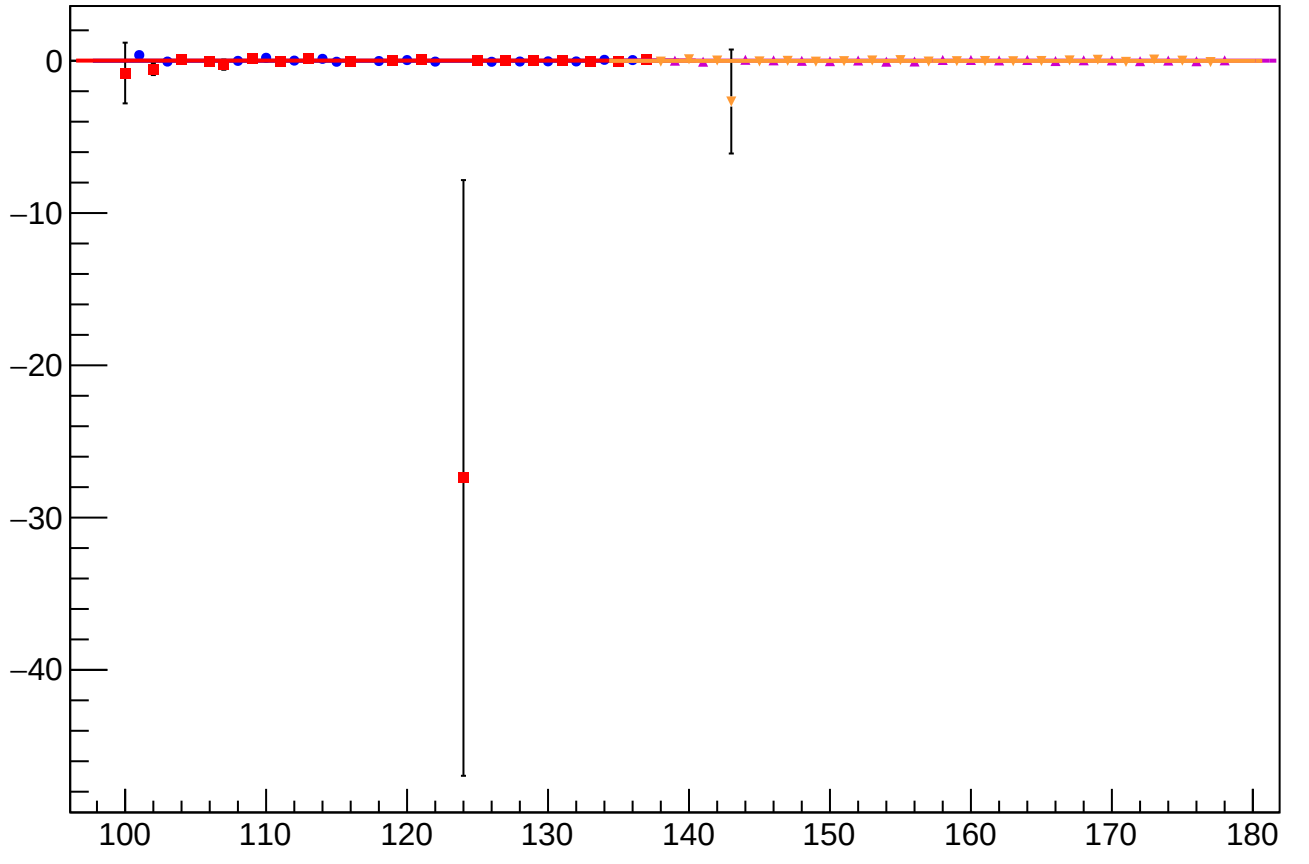
Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.337+/-0.006 χ^2/NDF:284986.5/19

+ sign 32.381+/-0.005 χ^2/NDF: 3667700.2/36

All: 32.455+/-0.004 χ^2/NDF: 6031927.3/75

- sign 32.529+/-0.005 χ^2/NDF: 2363838.8/38



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.007+/-0.009 χ^2/NDF:35.2/20

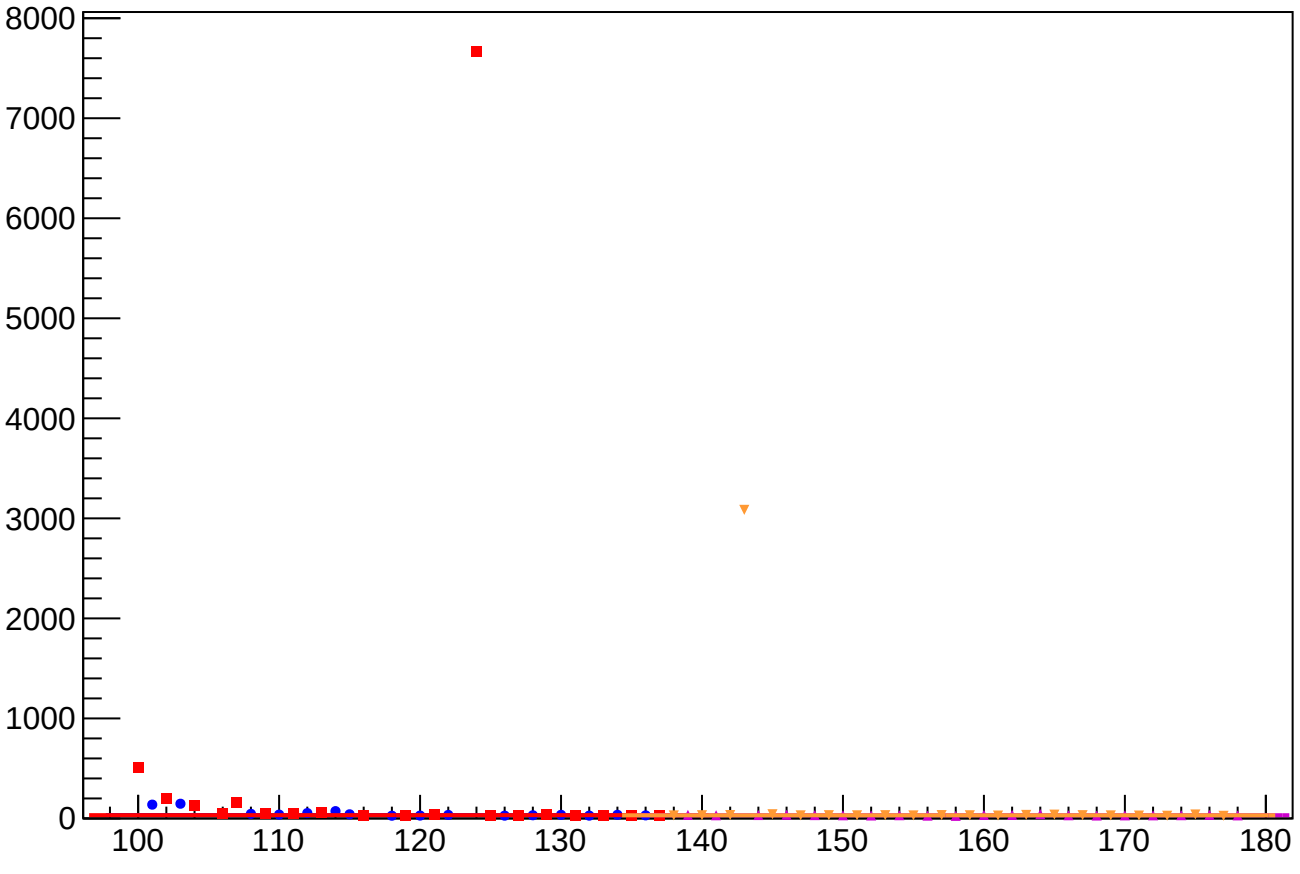
Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: 0.007+/-0.009 χ^2/NDF:18.8/19

+ sign -0.005+/-0.008 χ^2/NDF: 56.5/36

All: 0.002+/-0.005 χ^2/NDF: 91.1/75

- sign 0.008+/-0.008 χ^2/NDF: 33.1/38



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 31.793+/-0.006 χ^2/NDF:1915642.4/20

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

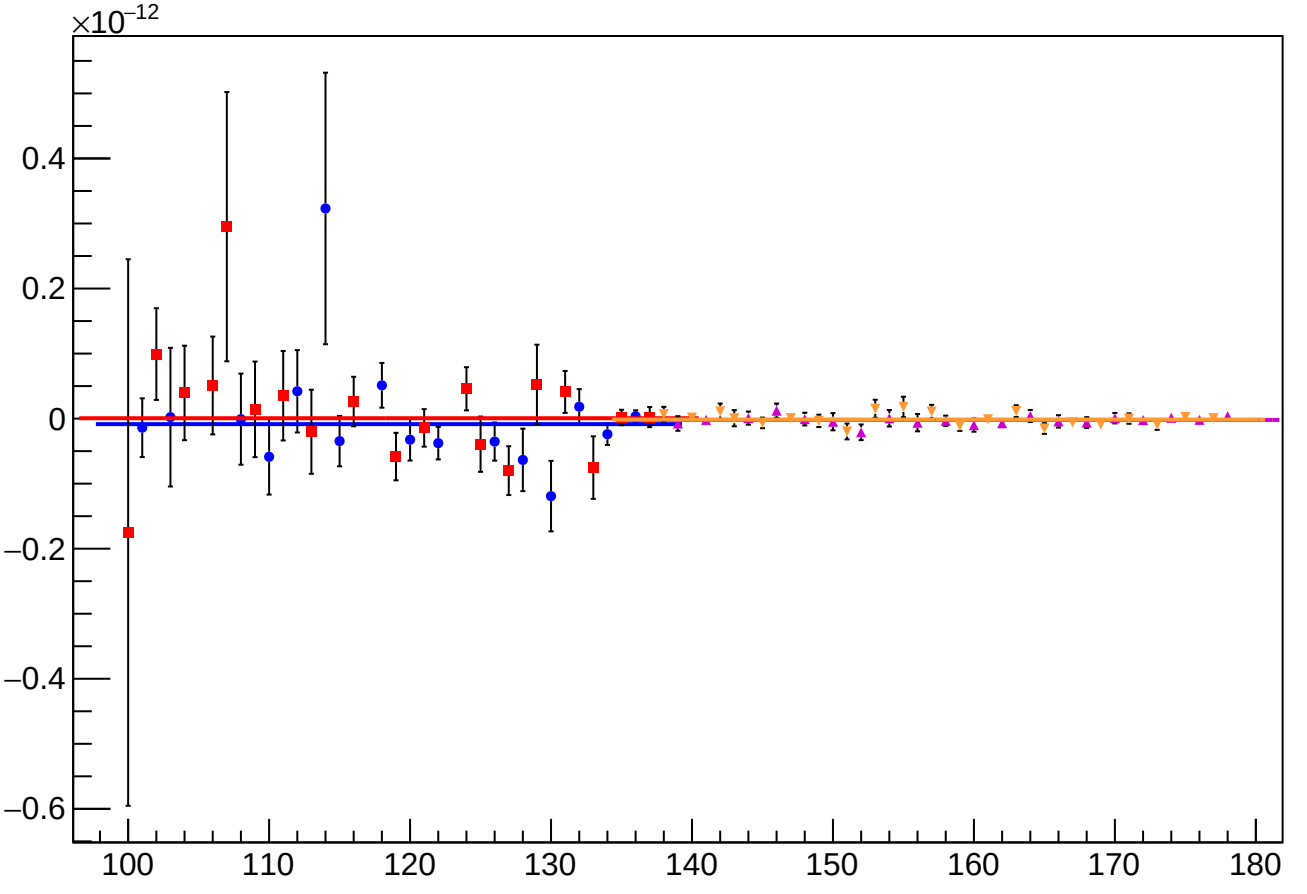
Left In: 32.337+/-0.006 χ^2/NDF:284986.5/19

+ sign 32.381+/-0.005 χ^2/NDF: 3667700.2/36

All: 32.455+/-0.004 χ^2/NDF: 6031927.3/75

- sign 32.529+/-0.005 χ^2/NDF: 2363838.8/38

asym_at1_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 20.8/18

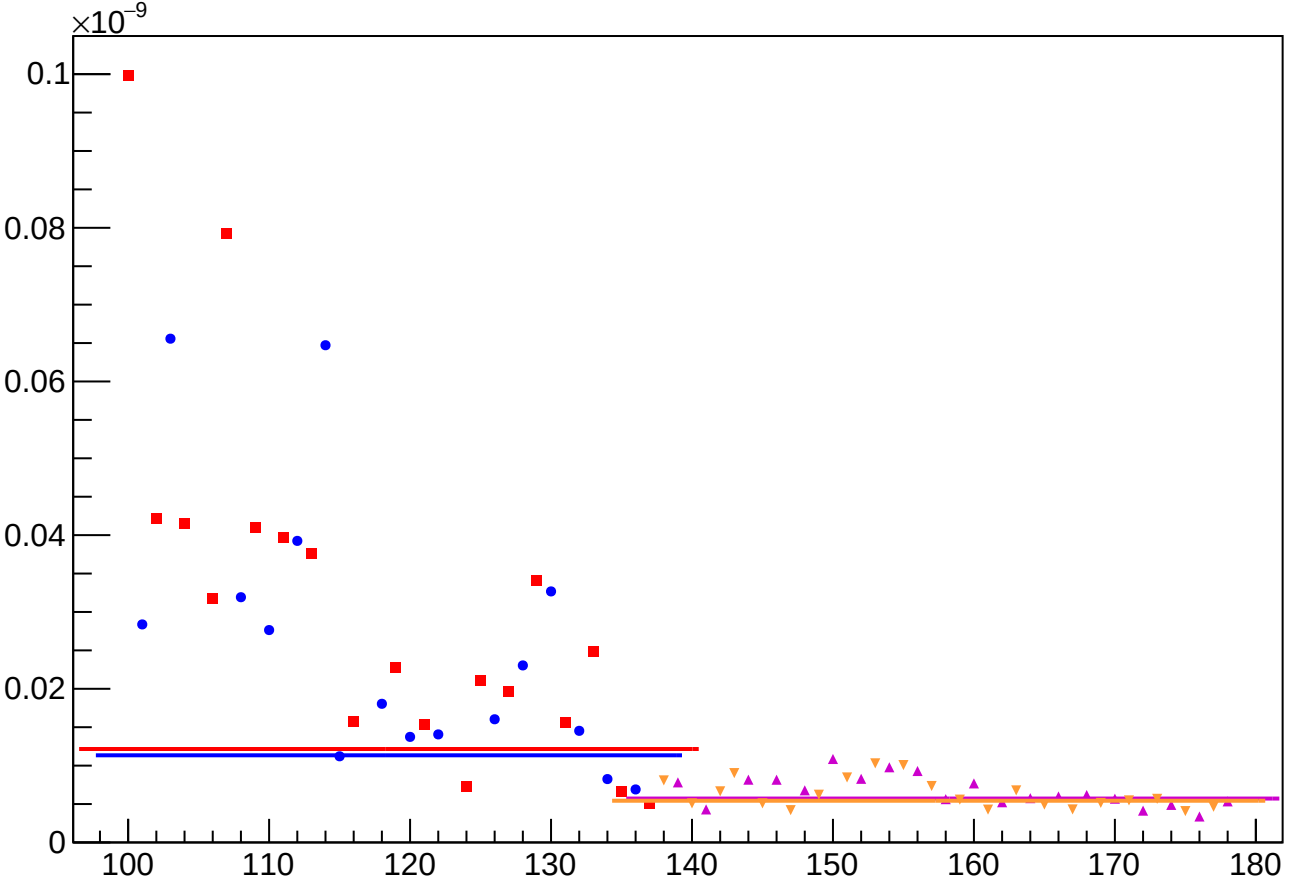
Left In: -0.000+/-0.000 χ^2/NDF:7.6/19

+ sign -0.000+/-0.000 χ^2/NDF: 38.7/36

All: -0.000+/-0.000 χ^2/NDF: 67.3/75

- sign -0.000+/-0.000 χ^2/NDF: 28.5/38

asym_at1_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2813598.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1321749.7/20

Right Out: 0.000+/-0.000 χ^2/NDF: 3757412.0/18

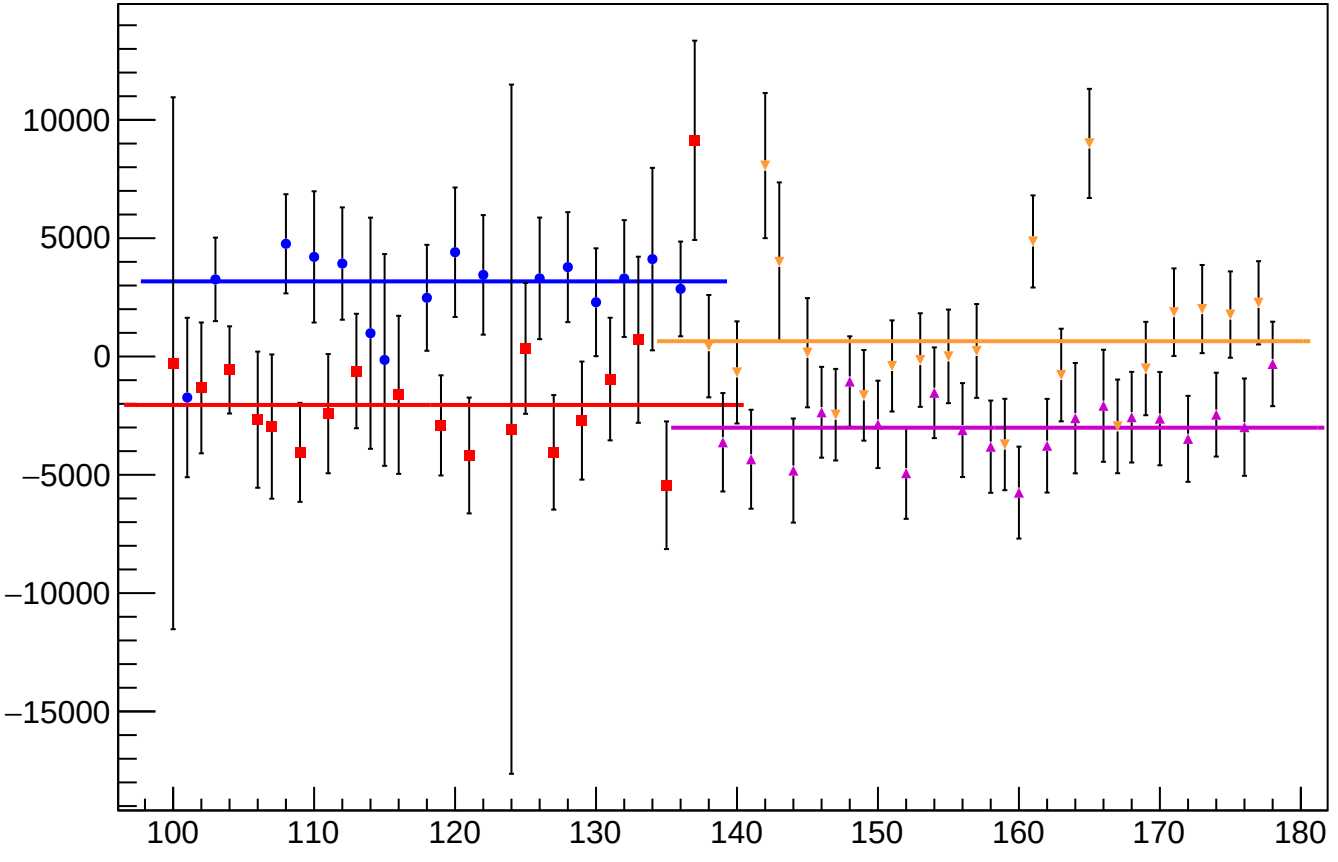
Left In: 0.000+/-0.000 χ^2/NDF:1792045.1/19

+ sign 0.000+/-0.000 χ^2/NDF: 5718217.6/36

All: 0.000+/-0.000 χ^2/NDF: 12771932.5/75

- sign 0.000+/-0.000 χ^2/NDF: 7033433.1/38

reg_asym_at2_avg_mean vs Slug



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: 646.362+/-443.596 χ^2/NDF:41.2/20

Right Out: -2047.403+/-621.498 χ^2/NDF: 14.0/18

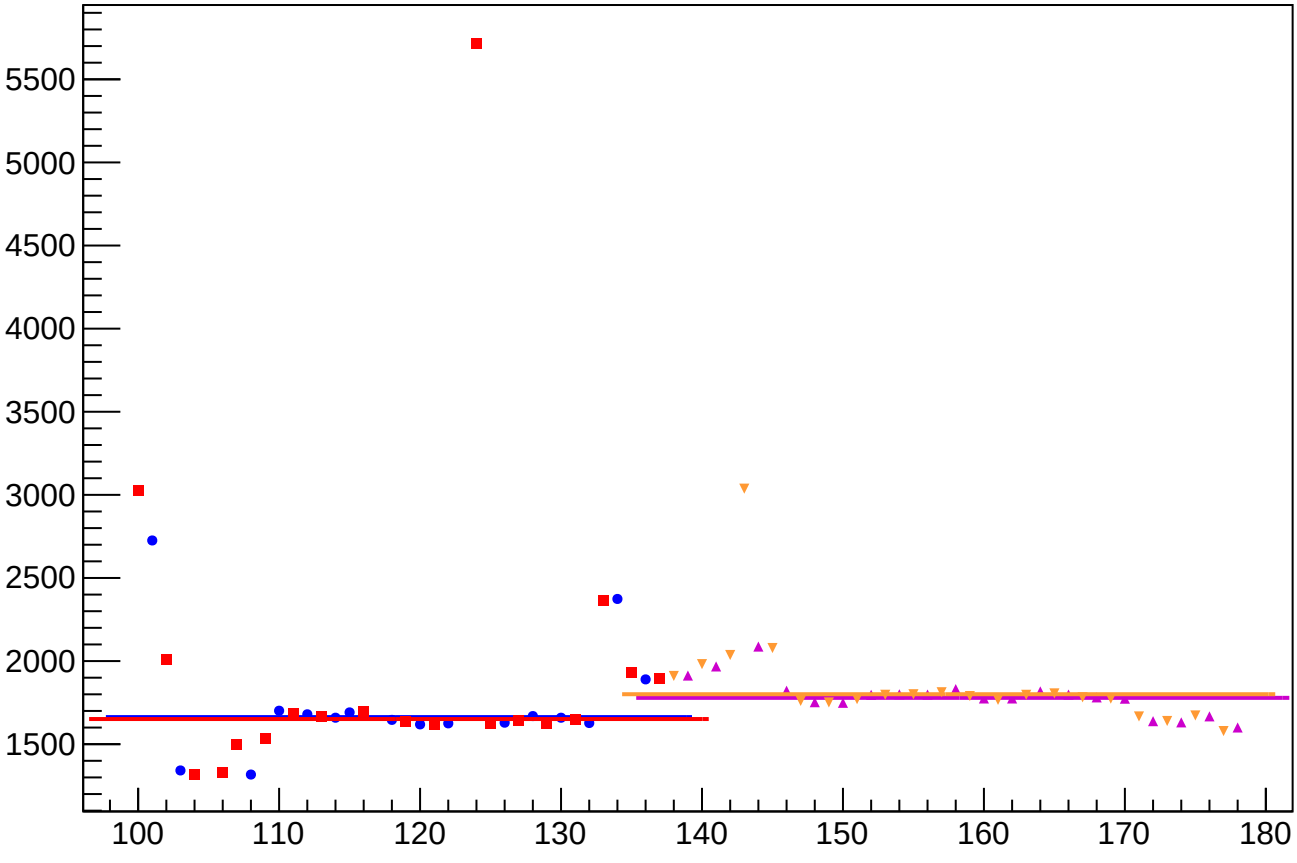
Left In: -3008.490+/-440.841 χ^2/NDF:9.0/19

+ sign 1488.274+/-362.320 χ^2/NDF: 56.3/36

All: -615.165+/-255.221 χ^2/NDF: 147.8/75

- sign -2686.791+/-359.570 χ^2/NDF: 24.6/38

reg_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 1800.593+/-0.314 χ^2/NDF:401653.2/20

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

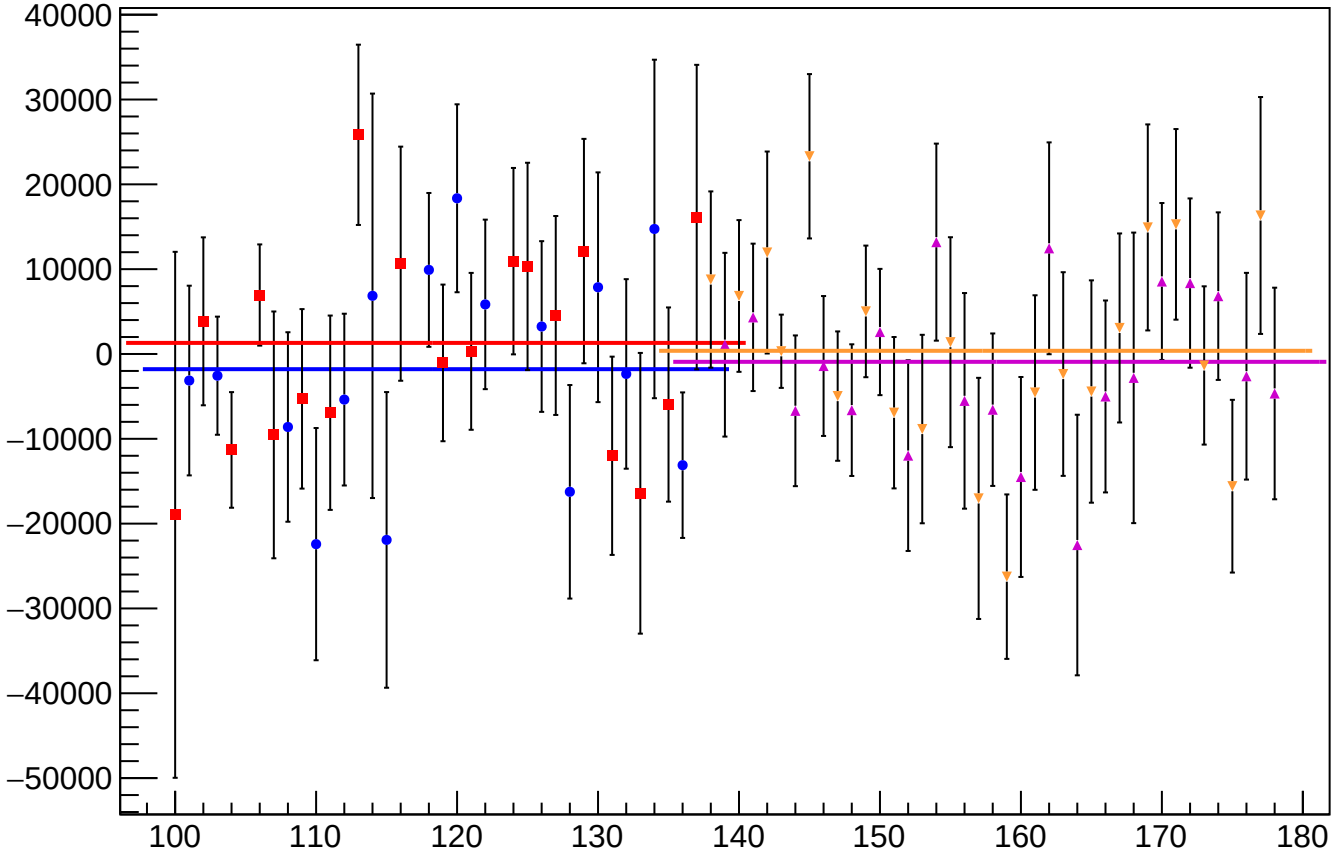
Left In: 1778.776+/-0.312 χ^2/NDF:120273.3/19

+ sign 1754.759+/-0.256 χ^2/NDF: 881426.1/36

All: 1745.366+/-0.180 χ^2/NDF: 1492290.9/75

- sign 1736.114+/-0.254 χ^2/NDF: 608196.5/38

asym_at2_avg_reg_correction_mean vs Slug



Right In: -1791.030+/-2743.617 χ^2/NDF: 14.3/15

Left Out: 375.104+/-2045.266 χ^2/NDF:26.4/20

Right Out: 1306.311+/-2430.063 χ^2/NDF: 17.7/18

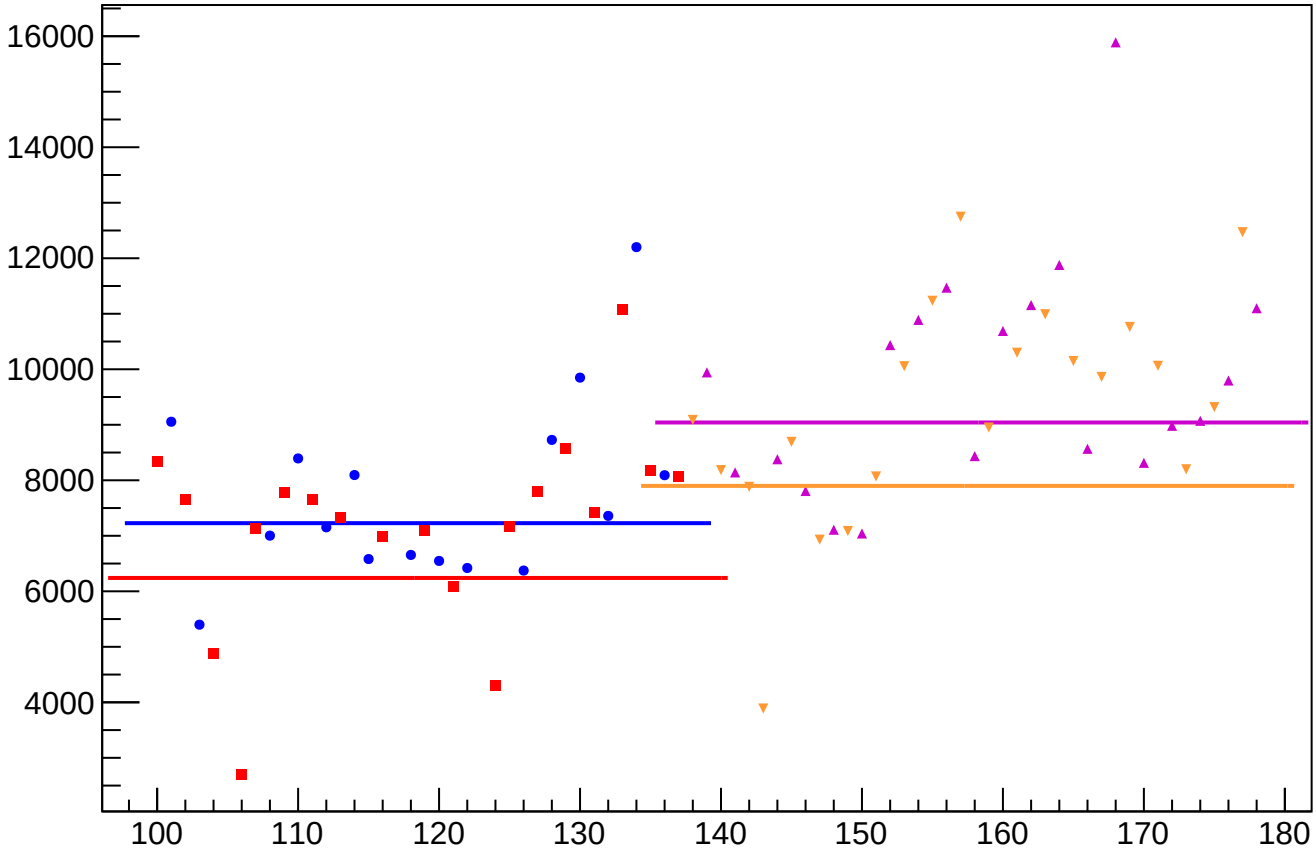
Left In: -924.489+/-2282.808 χ^2/NDF:11.8/19

+ sign -398.659+/-1639.777 χ^2/NDF: 41.1/36

All: -142.474+/-1167.903 χ^2/NDF: 71.1/75

- sign 121.277+/-1663.813 χ^2/NDF: 30.0/38

asym_at2_avg_reg_correction_rms vs Slug



Right In: 7227.590+/-1.940 χ^2/NDF: 503260.9/15

Left Out: 7898.893+/-1.446 χ^2/NDF:3080096.7/20

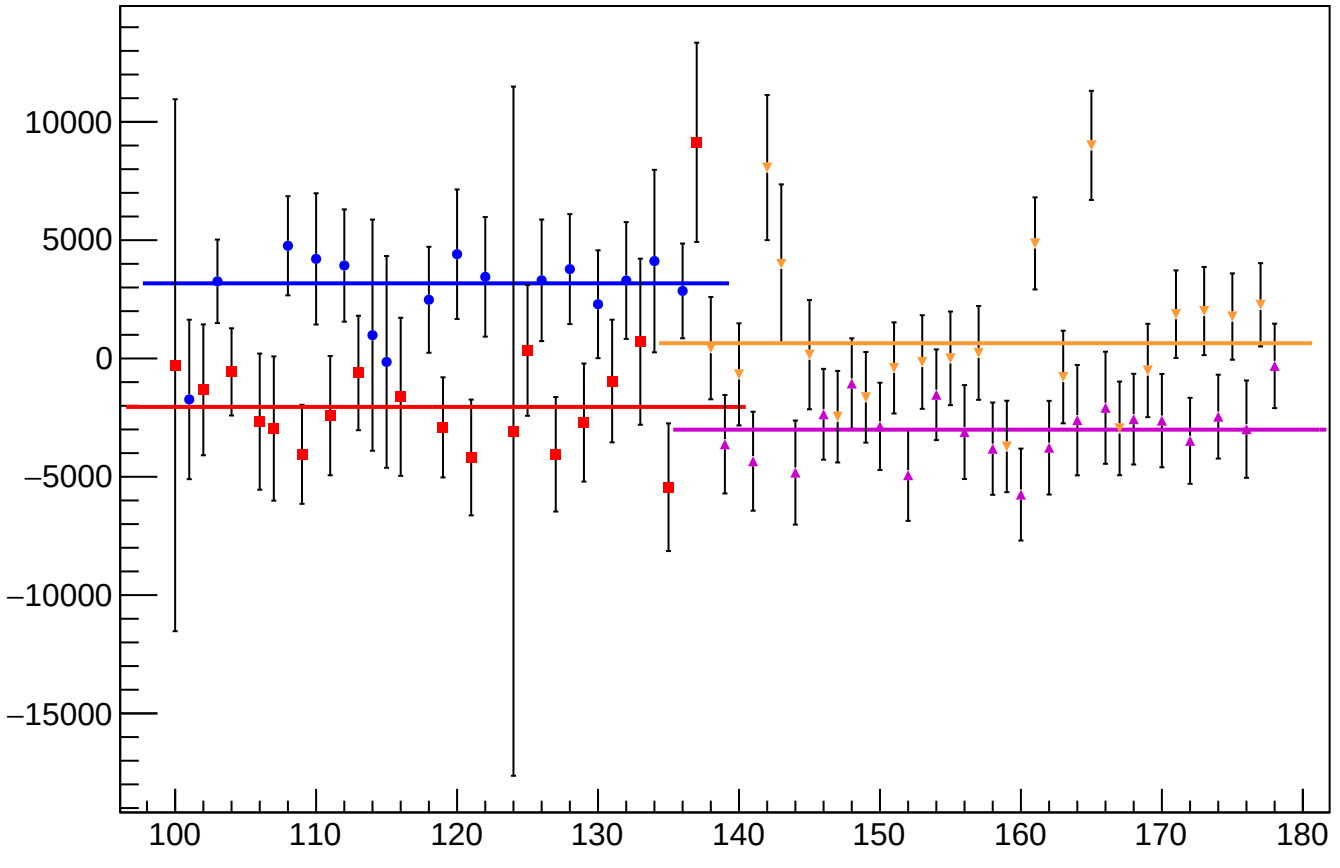
Right Out: 6240.557+/-1.718 χ^2/NDF: 1399077.4/18

Left In: 9041.385+/-1.614 χ^2/NDF:1085724.0/19

+ sign 7659.097+/-1.159 χ^2/NDF: 3660321.8/36

All: 7693.244+/-0.826 χ^2/NDF: 7558244.0/75

- sign 7728.399+/-1.176 χ^2/NDF: 3896162.1/38



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 646.276+/-443.596 χ^2/NDF:41.2/20

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

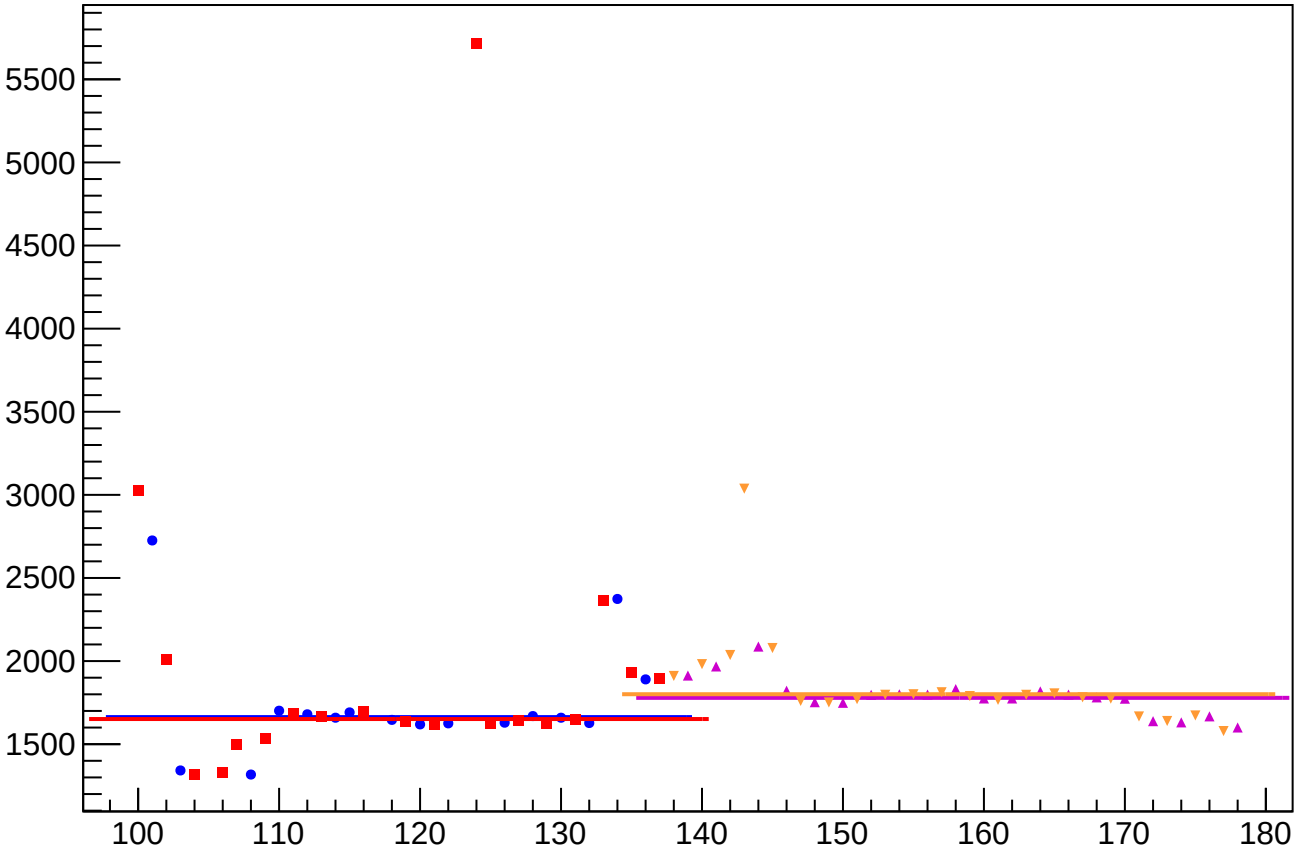
Left In: -3008.394+/-440.841 χ^2/NDF:9.0/19

+ sign 1488.247+/-362.320 χ^2/NDF: 56.3/36

All: -615.114+/-255.221 χ^2/NDF: 147.8/75

- sign -2686.662+/-359.570 χ^2/NDF: 24.6/38

cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1800.593+/-0.314 χ^2/NDF:401653.2/20

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

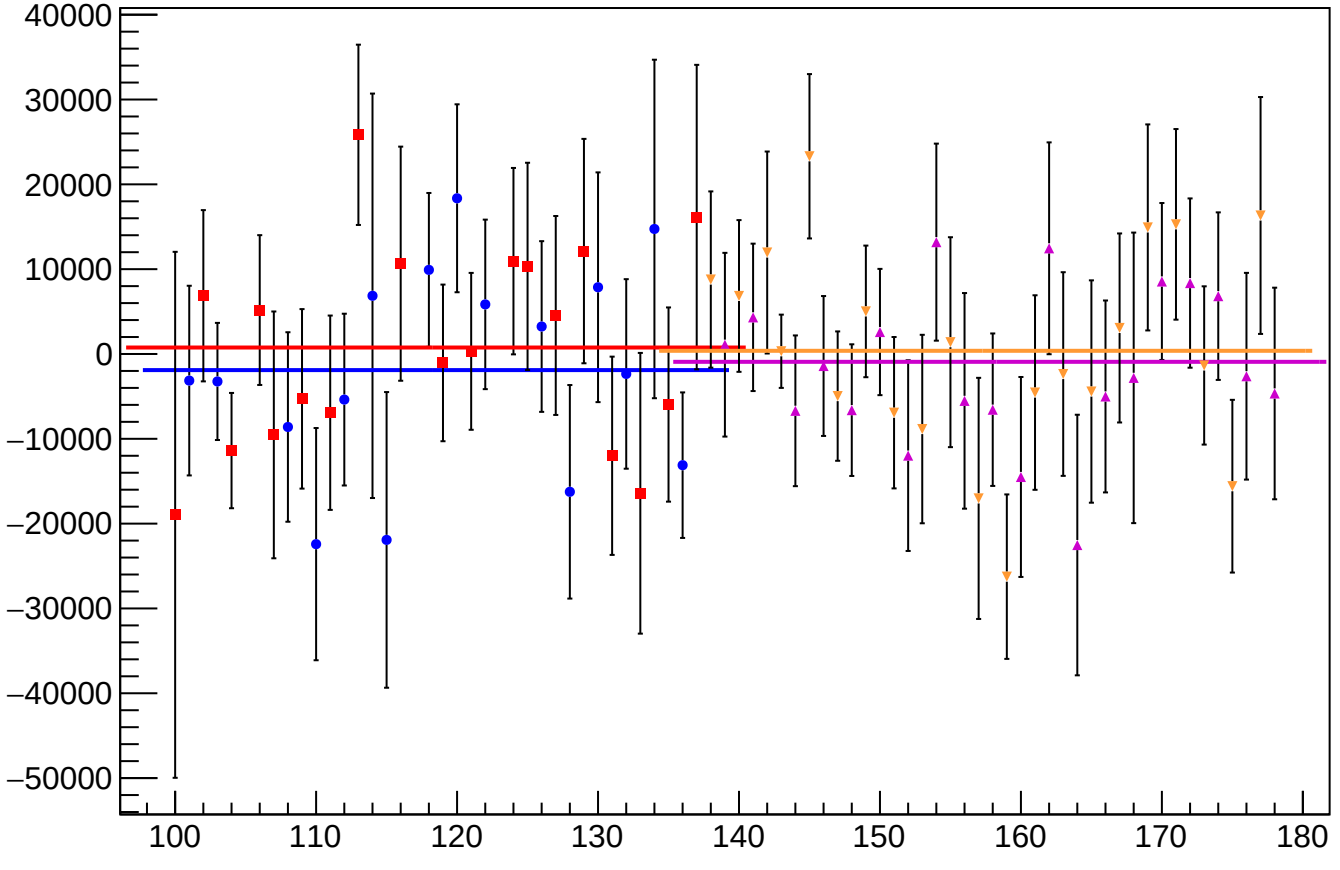
Left In: 1778.776+/-0.312 χ^2/NDF:120273.3/19

+ sign 1754.759+/-0.256 χ^2/NDF: 881426.6/36

All: 1745.366+/-0.180 χ^2/NDF: 1492291.6/75

- sign 1736.114+/-0.254 χ^2/NDF: 608196.7/38

asym_at2_avg_cor_correction_mean vs Slug



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 375.040+/-2045.261 χ^2/NDF:26.4/20

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

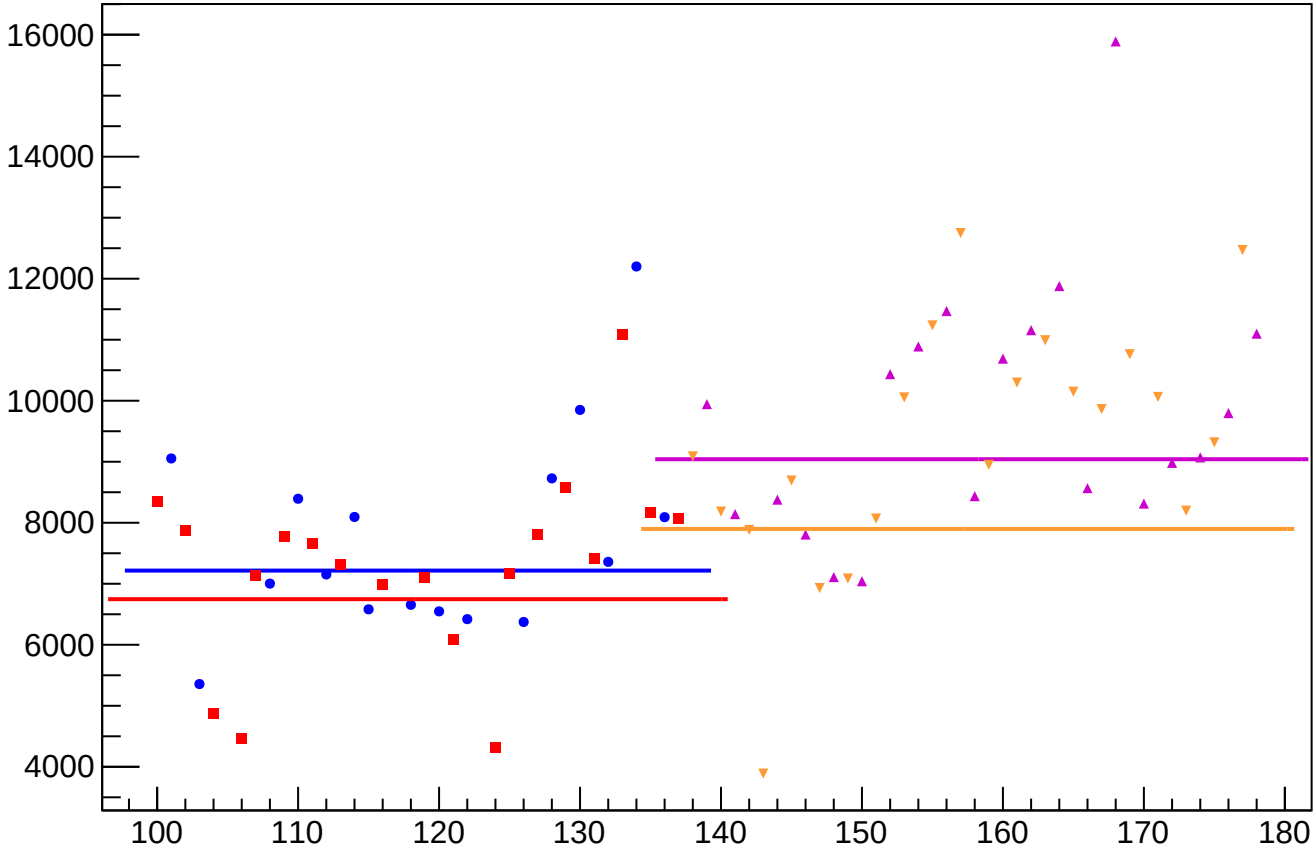
Left In: -924.558+/-2282.807 χ^2/NDF:11.8/19

+ sign -439.063+/-1638.991 χ^2/NDF: 41.2/36

All: -311.434+/-1180.194 χ^2/NDF: 70.5/75

- sign -173.993+/-1700.818 χ^2/NDF: 29.3/38

asym_at2_avg_cor_correction_rms vs Slug



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 7898.862+/-1.446 χ^2/NDF:3080167.8/20

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

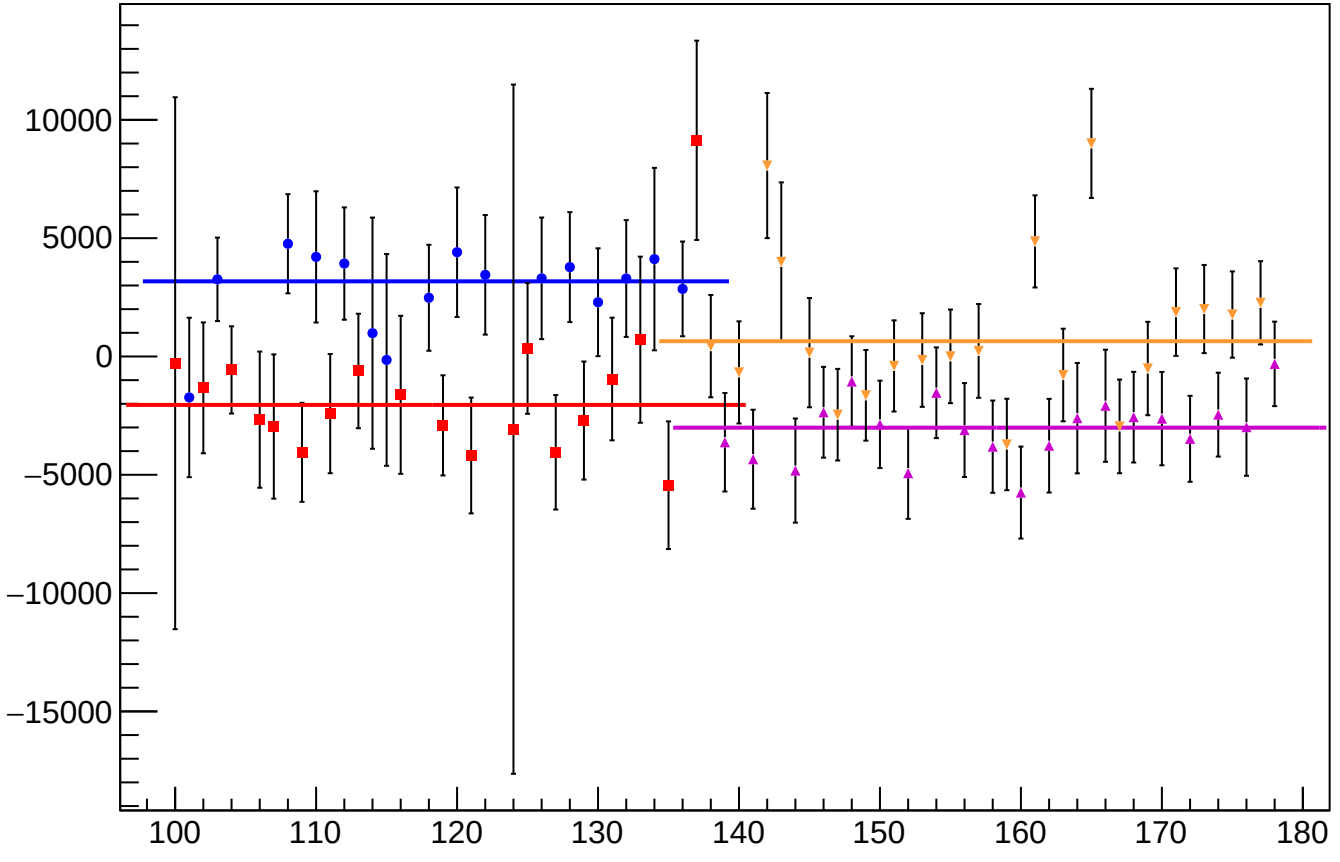
Left In: 9041.379+/-1.614 χ^2/NDF:1085728.6/19

\+ sign 7654.530+/-1.159 χ^2/NDF: 3672062.0/36

All: 7830.962+/-0.835 χ^2/NDF: 6412968.2/75

\- sign 8020.956+/-1.203 χ^2/NDF: 2692773.5/38

eigen_cor_asym_at2_avg_mean vs Slug



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 646.276+/-443.596 χ^2/NDF:41.2/20

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

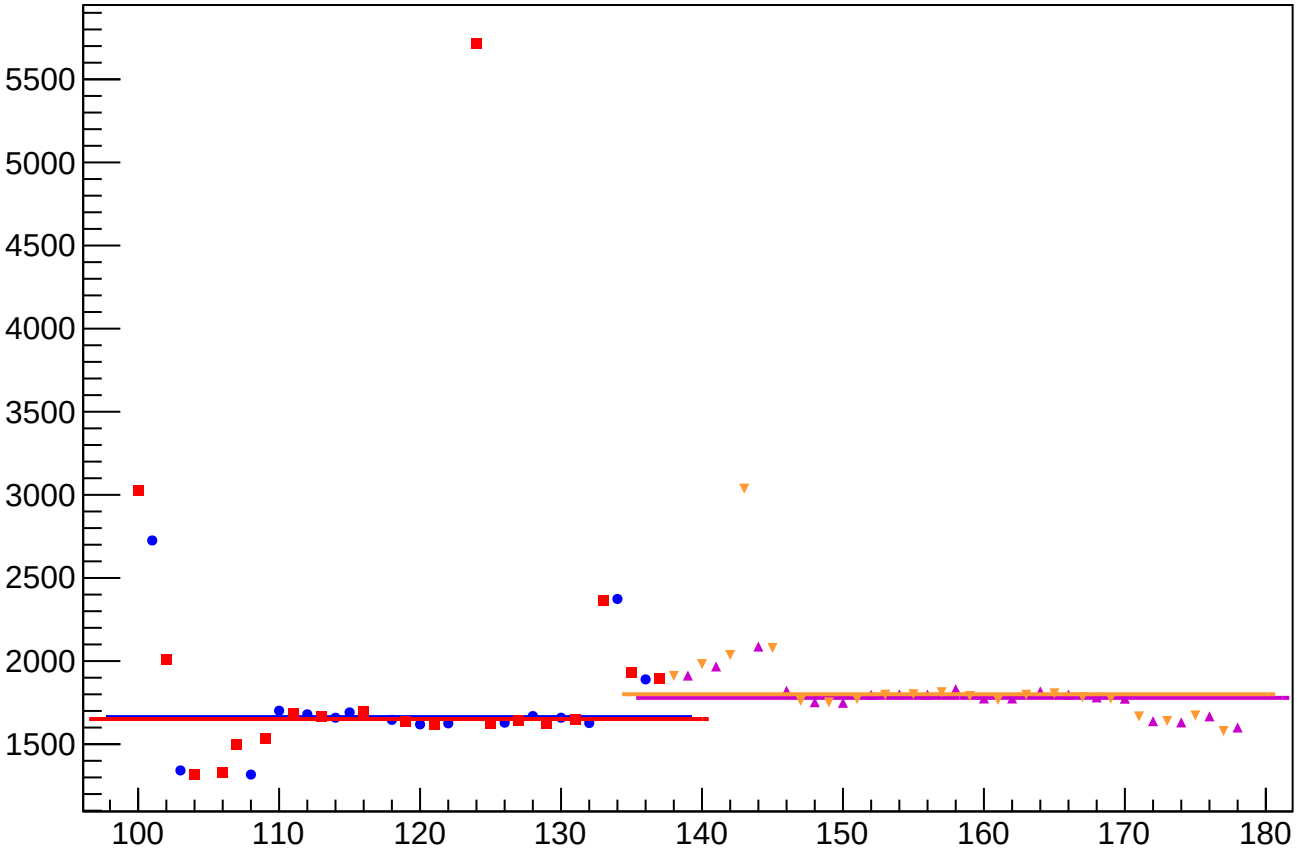
Left In: -3008.394+/-440.841 χ^2/NDF:9.0/19

+ sign 1488.247+/-362.320 χ^2/NDF: 56.3/36

All: -615.114+/-255.221 χ^2/NDF: 147.8/75

- sign -2686.662+/-359.570 χ^2/NDF: 24.6/38

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1800.593+/-0.314 χ^2/NDF:401653.2/20

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

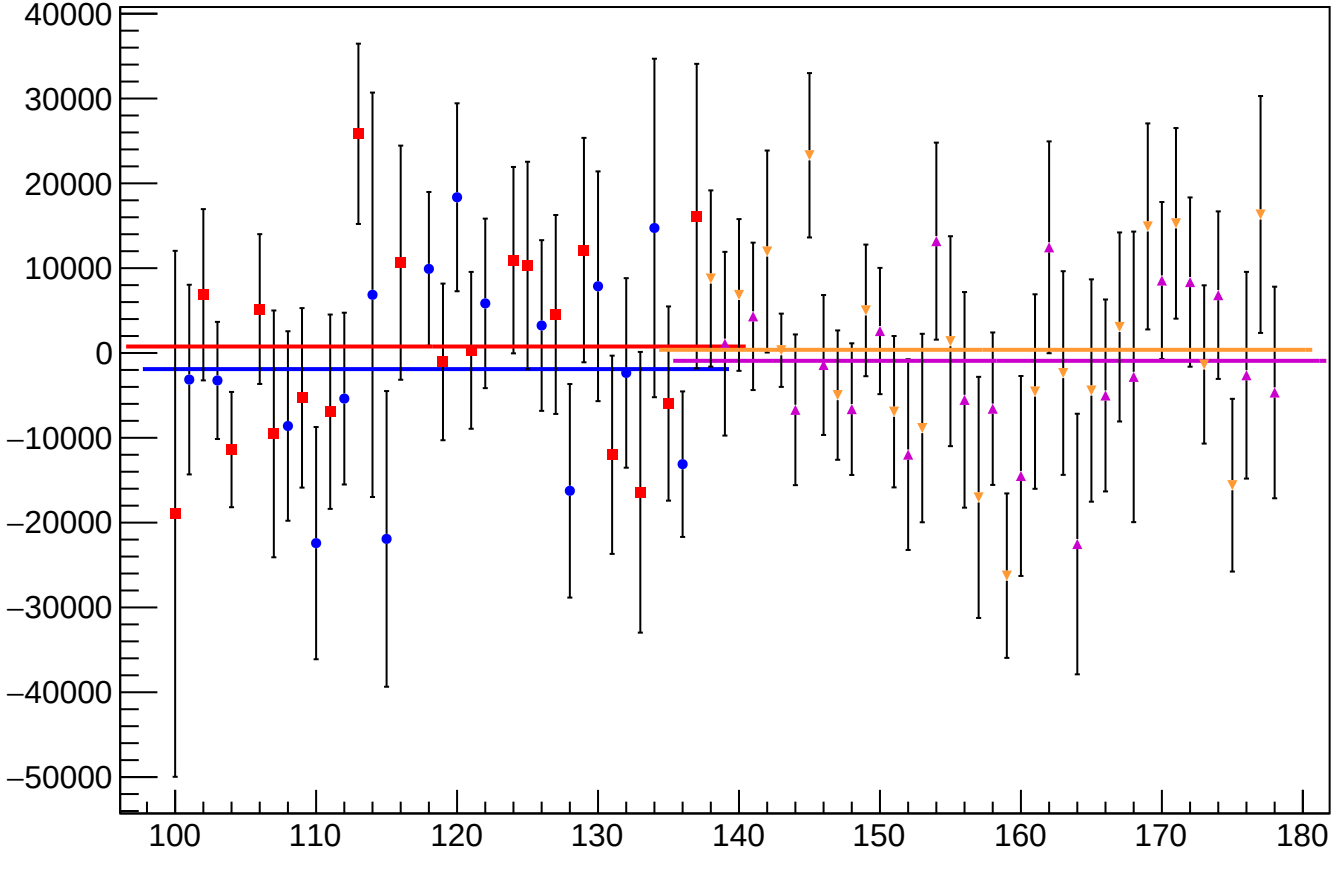
Left In: 1778.776+/-0.312 χ^2/NDF:120273.3/19

+ sign 1754.759+/-0.256 χ^2/NDF: 881426.6/36

All: 1745.366+/-0.180 χ^2/NDF: 1492291.6/75

- sign 1736.114+/-0.254 χ^2/NDF: 608196.7/38

asym_at2_avg_eigen_cor_correction_mean vs Slug



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 375.040+/-2045.261 χ^2/NDF:26.4/20

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

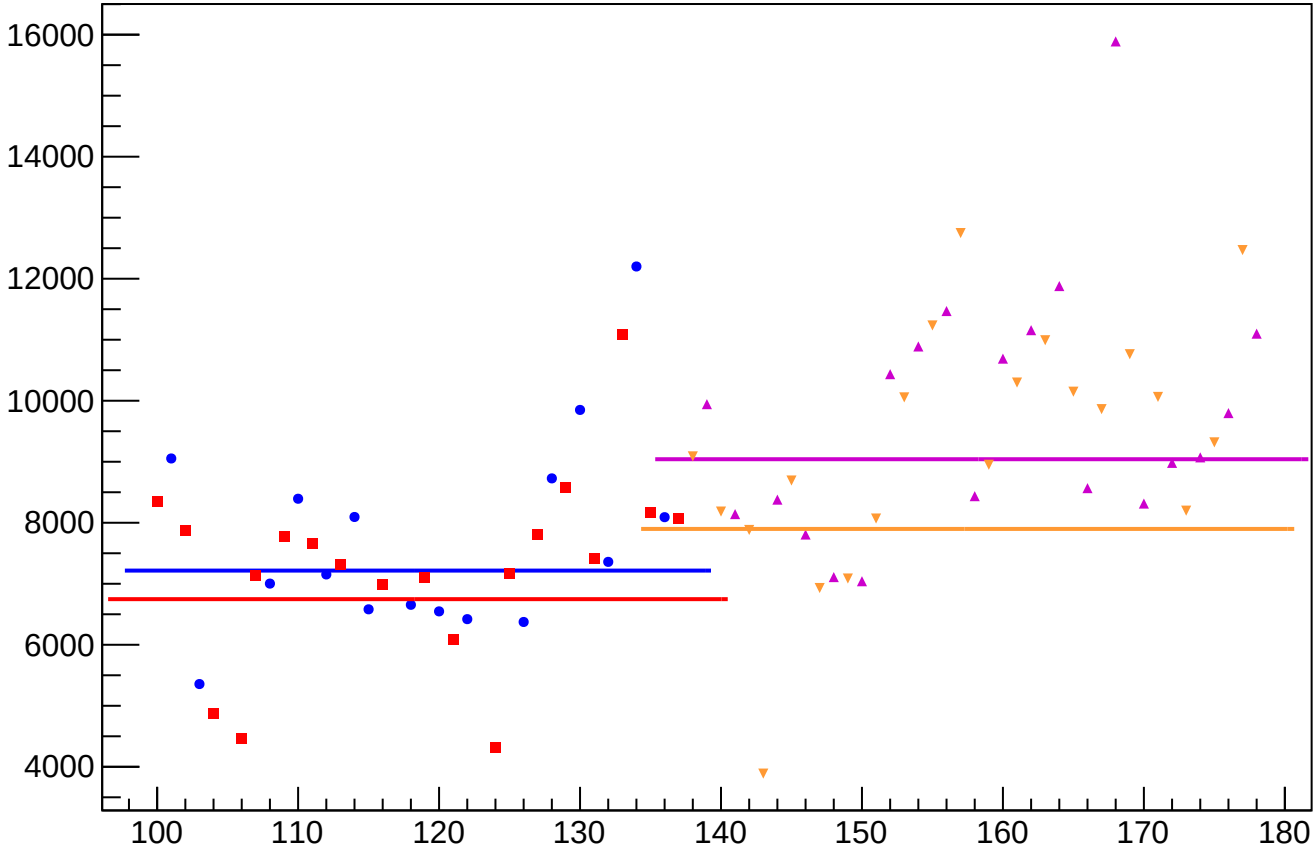
Left In: -924.558+/-2282.807 χ^2/NDF:11.8/19

+ sign -439.063+/-1638.991 χ^2/NDF: 41.2/36

All: -311.434+/-1180.194 χ^2/NDF: 70.5/75

- sign -173.993+/-1700.818 χ^2/NDF: 29.3/38

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 7898.862+/-1.446 χ^2/NDF:3080167.8/20

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

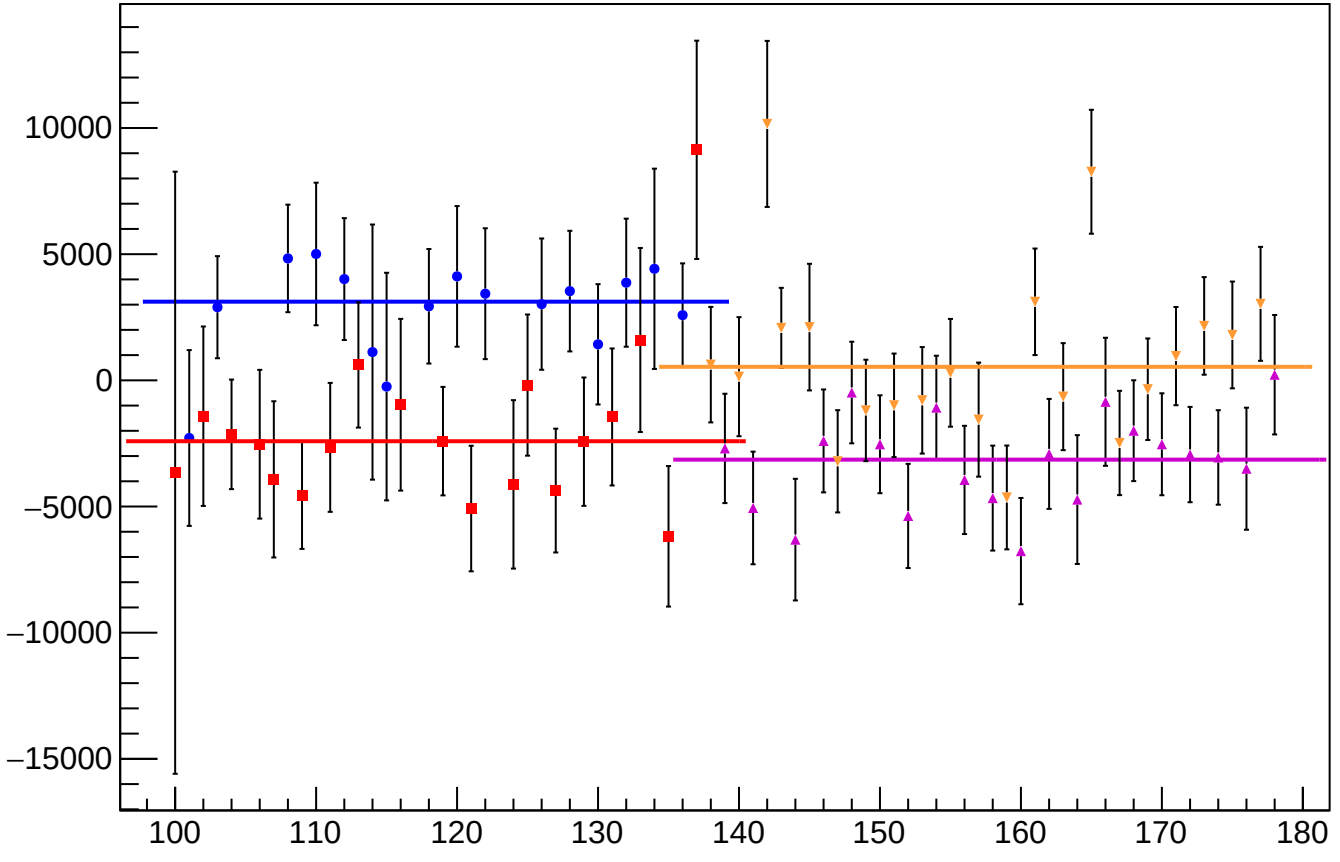
Left In: 9041.379+/-1.614 χ^2/NDF:1085728.6/19

\+ sign 7654.530+/-1.159 χ^2/NDF: 3672062.0/36

All: 7830.962+/-0.835 χ^2/NDF: 6412968.2/75

\- sign 8020.956+/-1.203 χ^2/NDF: 2692773.5/38

dit_asym_at2_avg_mean vs Slug



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: 535.972+/-462.850 χ^2/NDF:38.6/20

Right Out: -2412.473+/-639.018 χ^2/NDF: 16.0/18

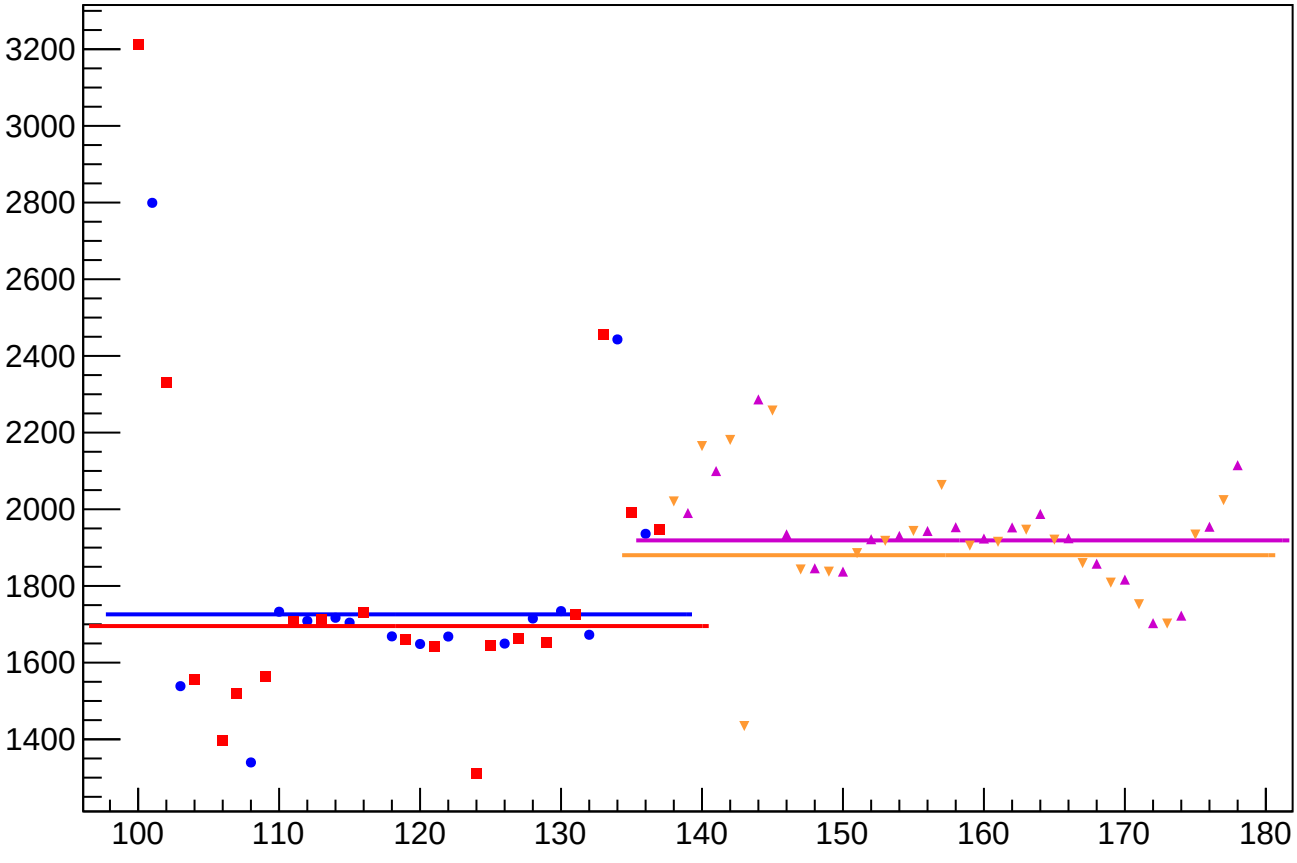
Left In: -3142.435+/-475.960 χ^2/NDF:14.0/19

+ sign 1402.683+/-377.248 χ^2/NDF: 54.3/36

All: -714.439+/-268.319 χ^2/NDF: 148.9/75

- sign -2881.971+/-381.713 χ^2/NDF: 30.8/38

dit_asym_at2_avg_rms vs Slug



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 1880.212+/-0.327 χ^2/NDF:314281.7/20

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

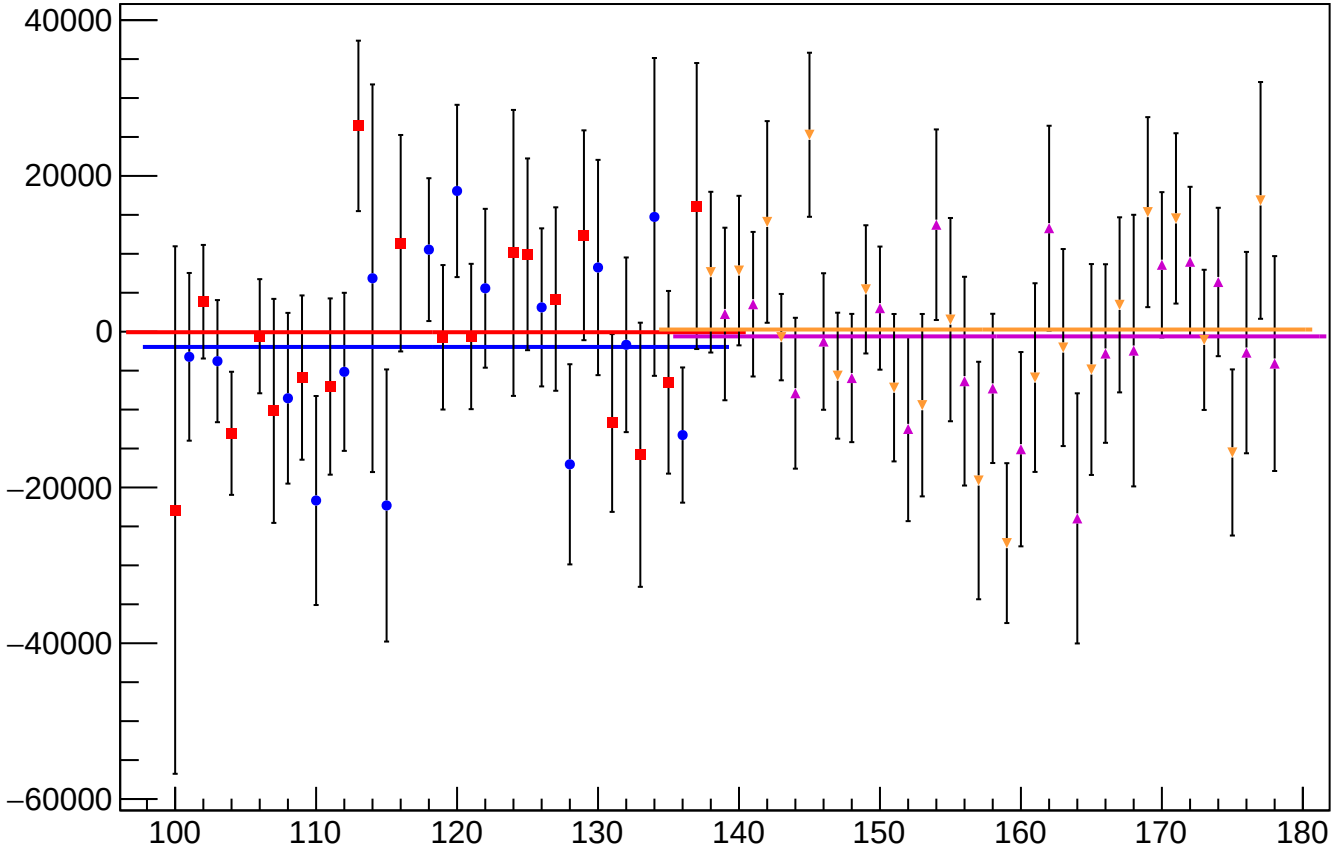
Left In: 1918.836+/-0.337 χ^2/NDF:140218.4/19

+ sign 1828.415+/-0.267 χ^2/NDF: 754534.7/36

All: 1833.679+/-0.190 χ^2/NDF: 1338525.2/75

- sign 1839.067+/-0.270 χ^2/NDF: 583202.5/38

asym_at2_avg_dit_correction_mean vs Slug



Right In: -1958.559+/-2798.309 χ^2/NDF: 14.4/15

Left Out: 278.275+/-2219.796 χ^2/NDF:26.1/20

Right Out: -68.156+/-2529.527 χ^2/NDF: 16.1/18

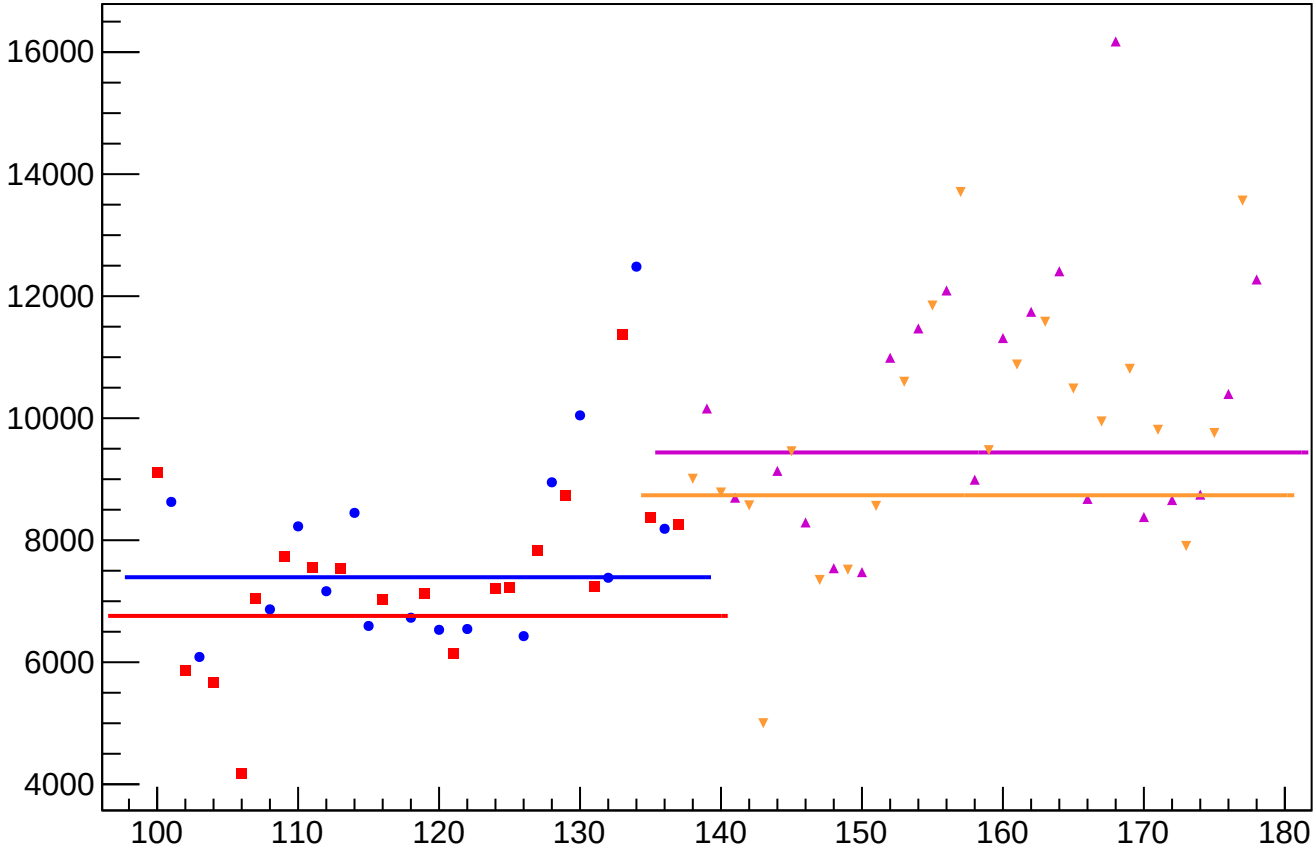
Left In: -602.790+/-2383.440 χ^2/NDF:11.7/19

+ sign -585.651+/-1739.069 χ^2/NDF: 40.9/36

All: -468.209+/-1228.158 χ^2/NDF: 68.8/75

- sign -351.357+/-1734.693 χ^2/NDF: 27.9/38

asym_at2_avg_dit_correction_rms vs Slug



Right In: 7393.622+/-1.979 χ^2/NDF: 401826.8/15

Left Out: 8736.906+/-1.570 χ^2/NDF:1944672.2/20

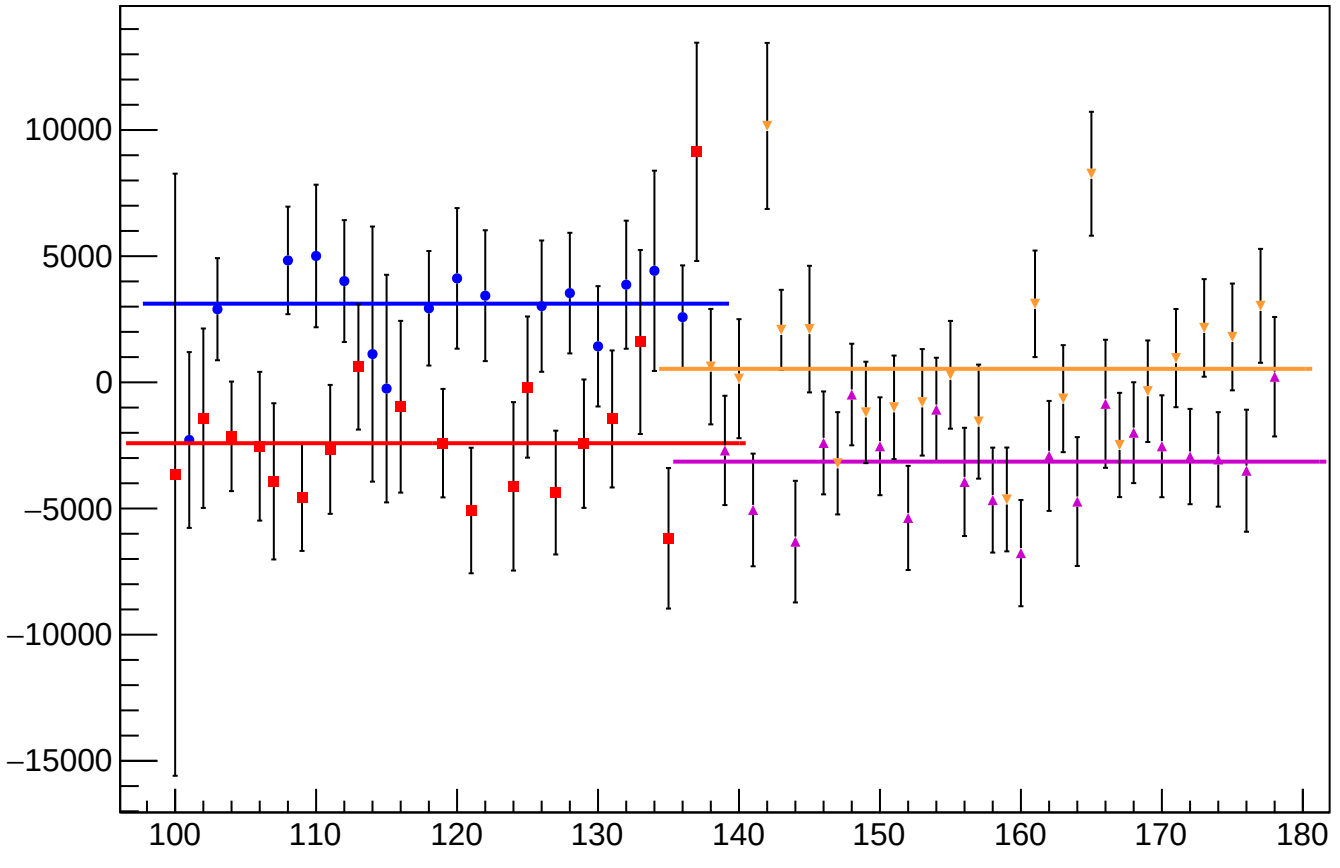
Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

Left In: 9438.646+/-1.685 χ^2/NDF:1086742.2/19

+ sign 8218.094+/-1.230 χ^2/NDF: 2629365.7/36

All: 8198.314+/-0.868 χ^2/NDF: 5549430.4/75

- sign 8178.633+/-1.227 χ^2/NDF: 2919548.6/38



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: 535.963+/-462.851 χ^2/NDF:38.6/20

Right Out: -2412.481+/-639.018 χ^2/NDF: 16.0/18

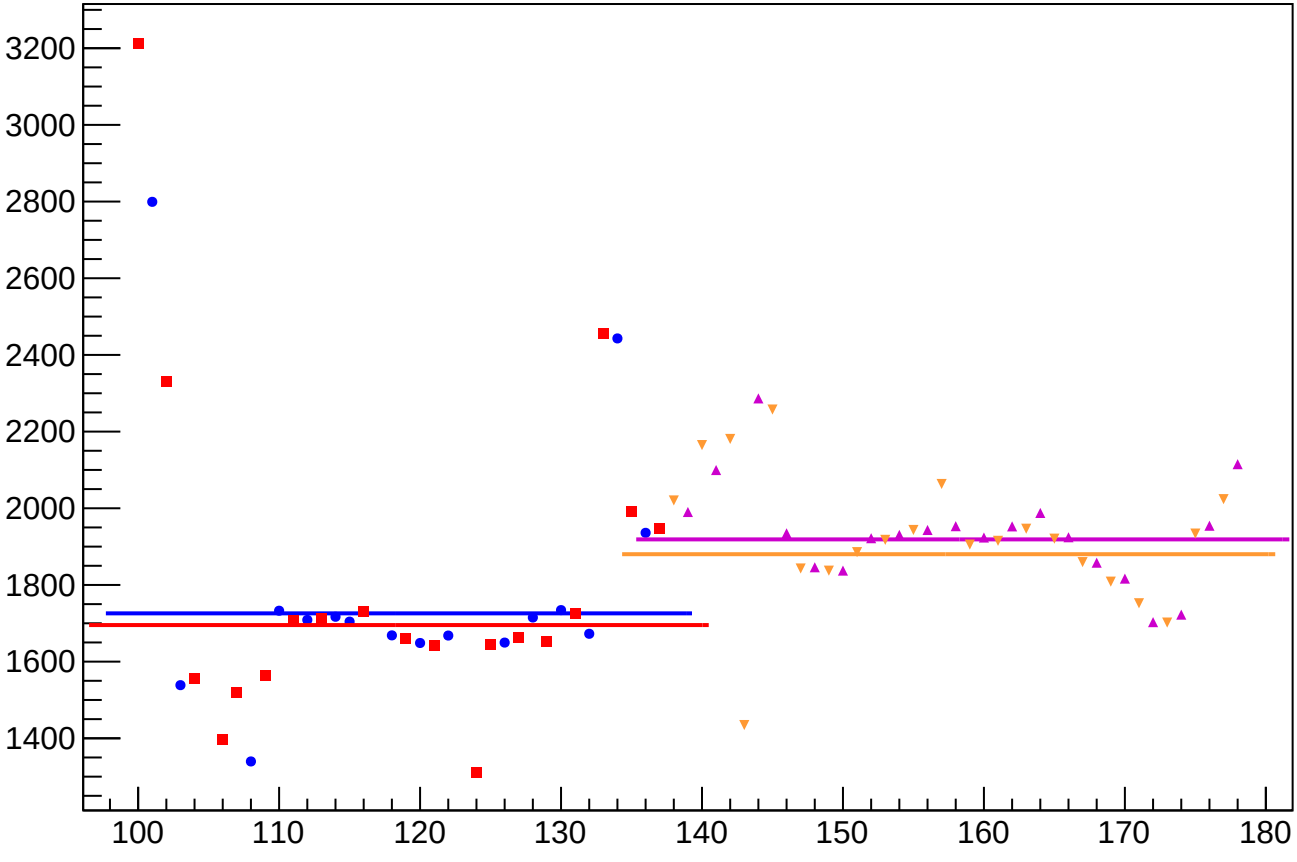
Left In: -3142.440+/-475.960 χ^2/NDF:14.0/19

+ sign 1402.681+/-377.248 χ^2/NDF: 54.3/36

All: -714.443+/-268.320 χ^2/NDF: 148.9/75

- sign -2881.976+/-381.713 χ^2/NDF: 30.8/38

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1725.910+/-0.460 χ^2/NDF: 365639.0/15

Left Out: 1880.214+/-0.327 χ^2/NDF:314287.5/20

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

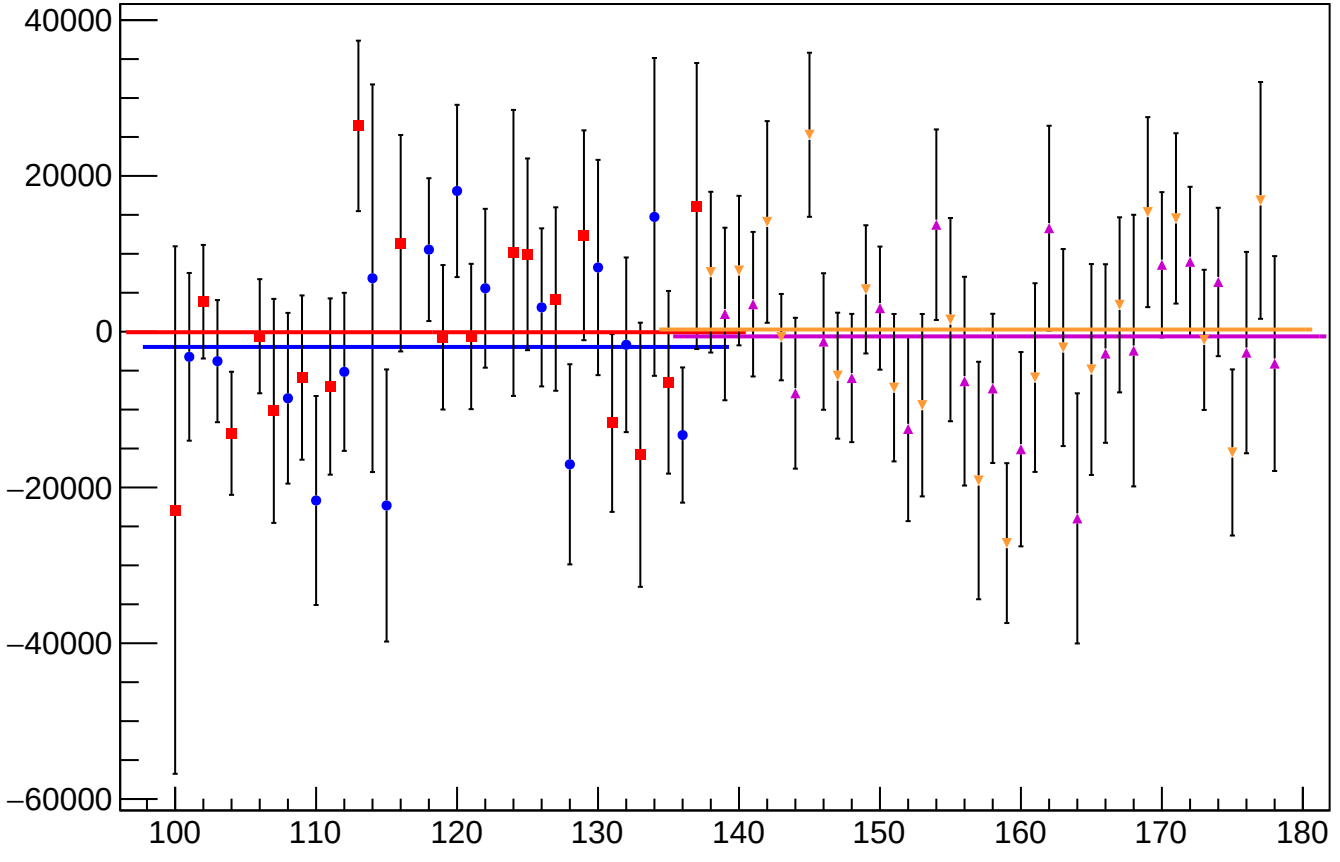
Left In: 1918.839+/-0.337 χ^2/NDF:140225.0/19

+ sign 1828.416+/-0.267 χ^2/NDF: 754543.4/36

All: 1833.681+/-0.190 χ^2/NDF: 1338545.1/75

- sign 1839.069+/-0.270 χ^2/NDF: 583213.7/38

asym_at2_avg_eigen_dit_correction_mean vs Slug



Right In: -1958.538+/-2798.302 χ^2/NDF: 14.4/15

Left Out: 278.269+/-2219.800 χ^2/NDF:26.1/20

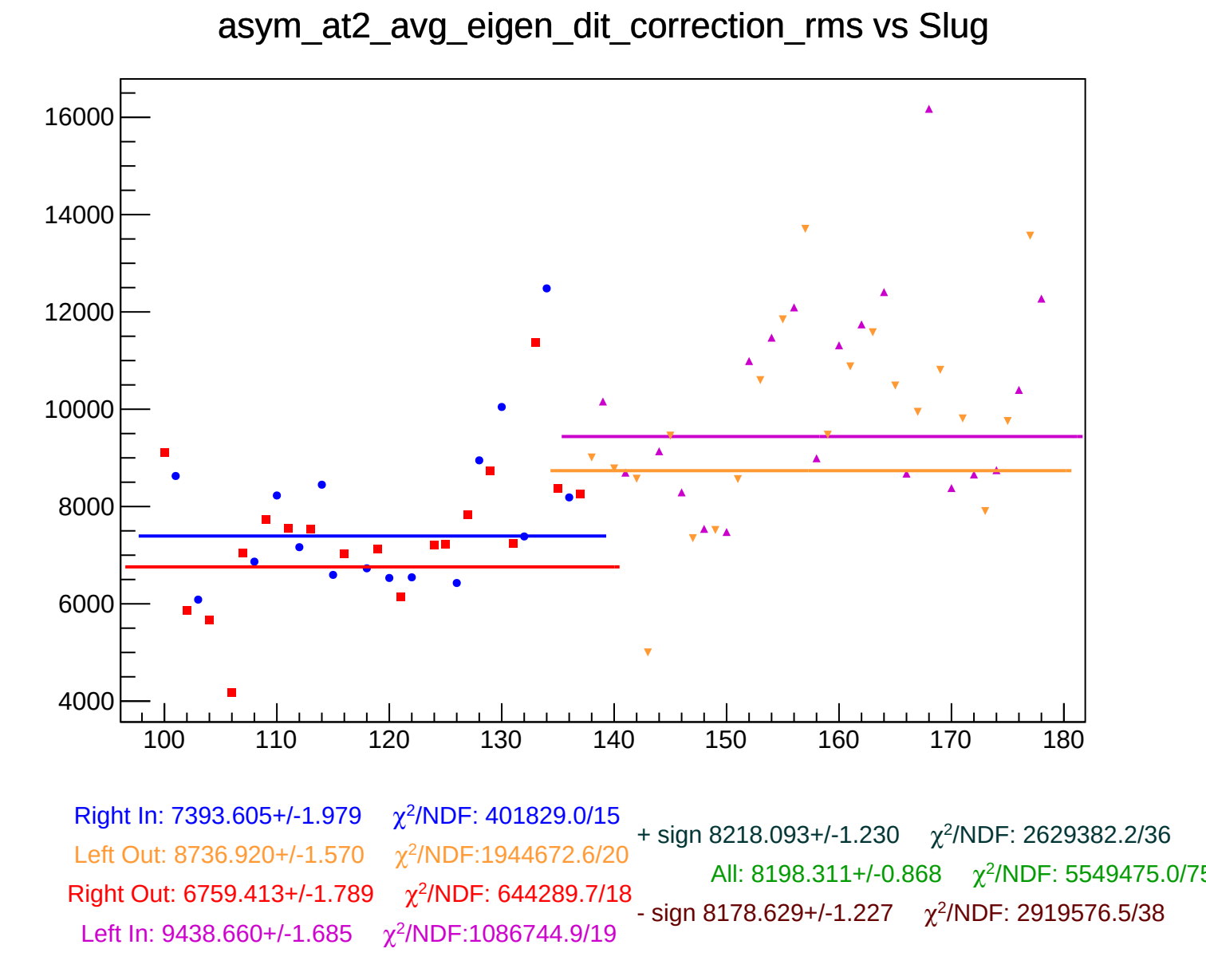
Right Out: -68.163+/-2529.521 χ^2/NDF: 16.1/18

Left In: -602.790+/-2383.443 χ^2/NDF:11.7/19

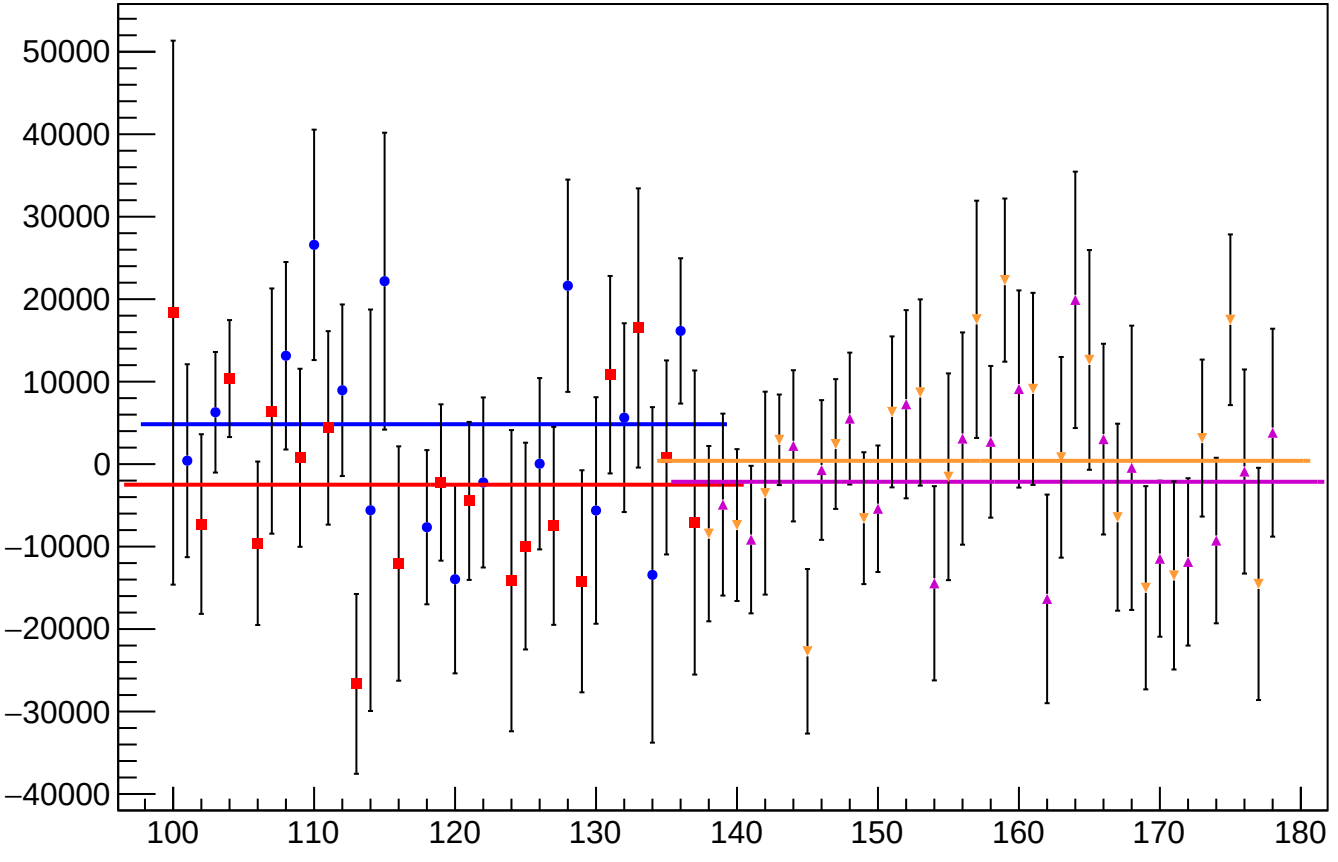
+ sign -585.650+/-1739.070 χ^2/NDF: 40.9/36

All: -468.209+/-1228.158 χ^2/NDF: 68.8/75

- sign -351.358+/-1734.693 χ^2/NDF: 27.9/38


asym_at2_avg_eigen_dit_correction_rms vs Slug
16000
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
180
Right In: 7393.605+/-1.979 χ²/NDF: 401829.0/15
Left Out: 8736.920+/-1.570 χ²/NDF:1944672.6/20
Right Out: 6759.413+/-1.789 χ²/NDF: 644289.7/18
Left In: 9438.660+/-1.685 χ²/NDF:1086744.9/19
+ sign 8218.093+/-1.230 χ²/NDF: 2629382.2/36
All: 8198.311+/-0.868 χ²/NDF: 5549475.0/75
- sign 8178.629+/-1.227 χ²/NDF: 2919576.5/38

asym_at2_avg_mean vs Slug



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: 401.237+/-2178.456 χ^2/NDF:24.0/20

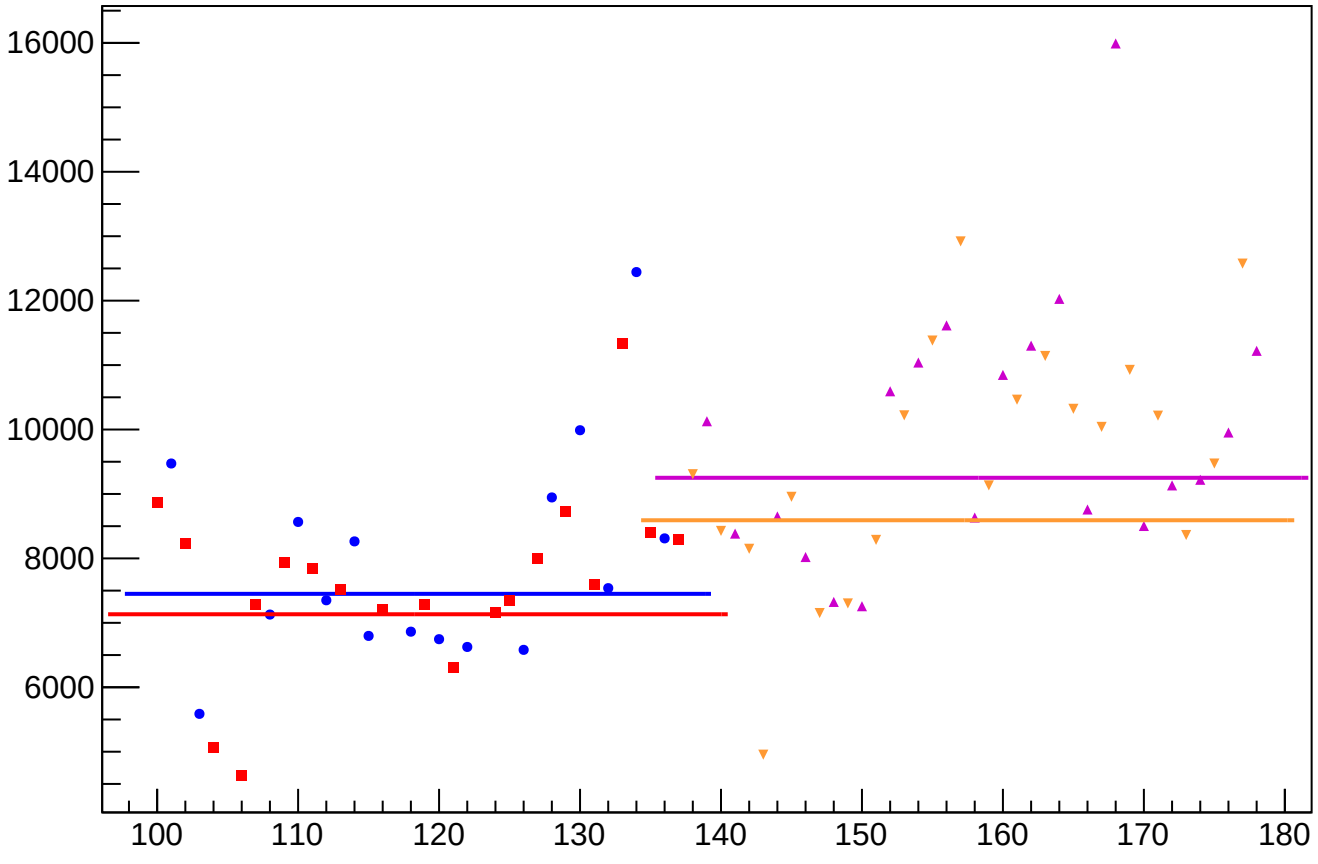
Right Out: -2495.844+/-2695.530 χ^2/NDF: 14.9/18

Left In: -2141.529+/-2332.489 χ^2/NDF:11.2/19

+ sign 2052.776+/-1725.999 χ^2/NDF: 39.8/36

All: -73.142+/-1233.618 χ^2/NDF: 69.1/75

- sign -2293.236+/-1763.814 χ^2/NDF: 26.2/38



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 8591.933+/-1.540 χ^2/NDF:1835606.4/20

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

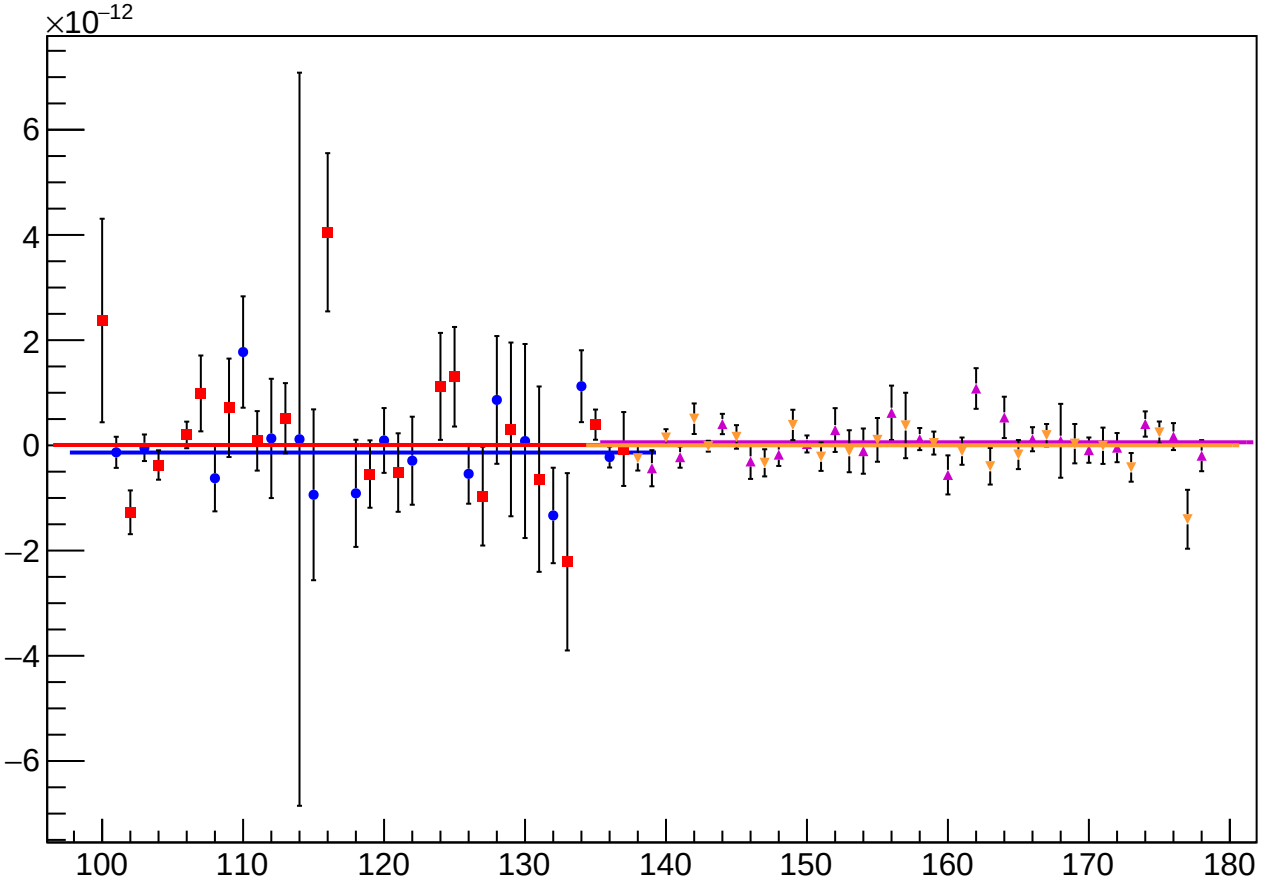
Left In: 9251.001+/-1.649 χ^2/NDF:1013238.3/19

+ sign 8166.833+/-1.220 χ^2/NDF: 2526617.2/36

All: 8253.554+/-0.872 χ^2/NDF: 4813239.9/75

- sign 8344.111+/-1.247 χ^2/NDF: 2276301.5/38

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:22.9/20

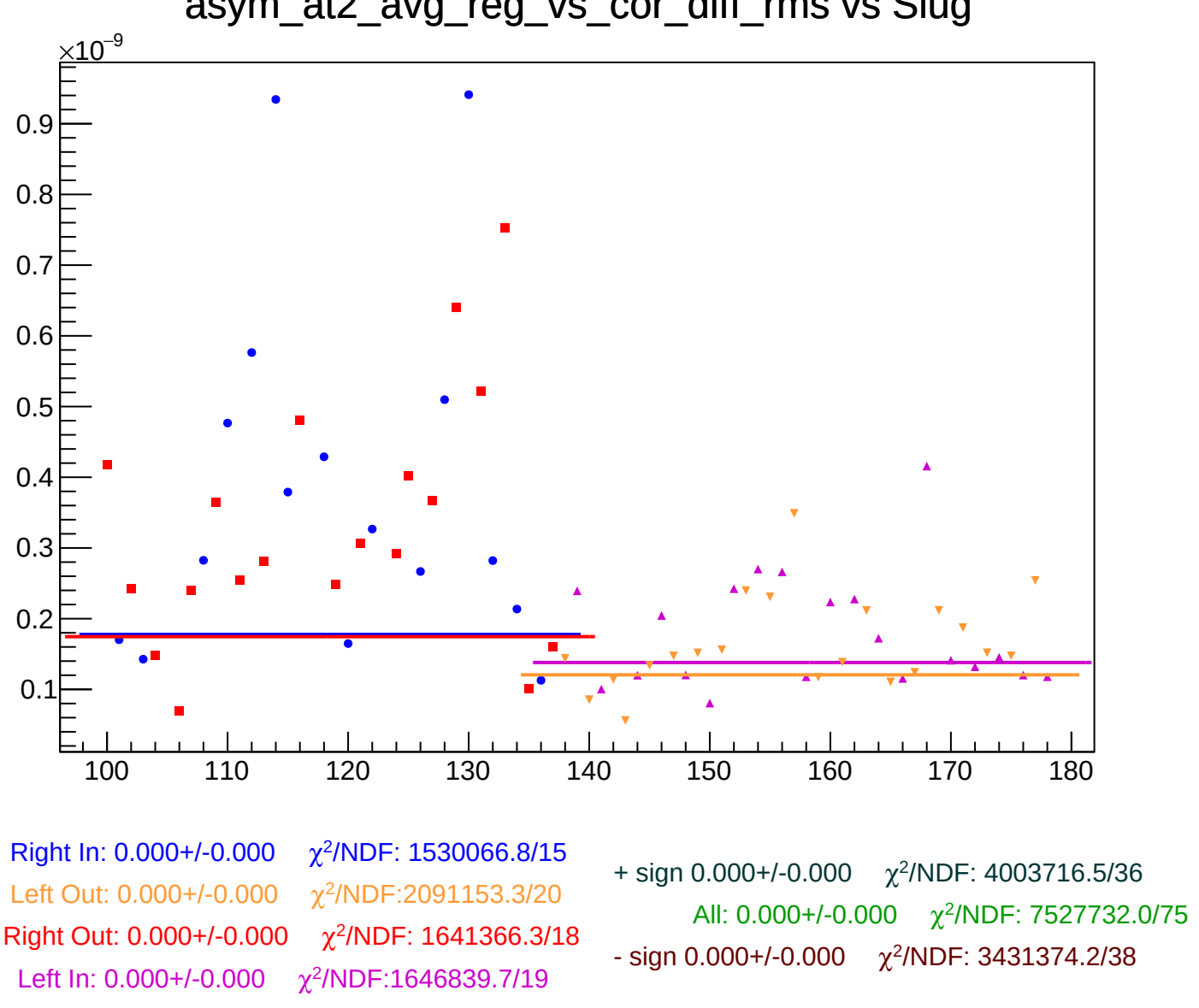
Right Out: 0.000+/-0.000 χ^2/NDF: 32.8/18

Left In: 0.000+/-0.000 χ^2/NDF:26.2/19

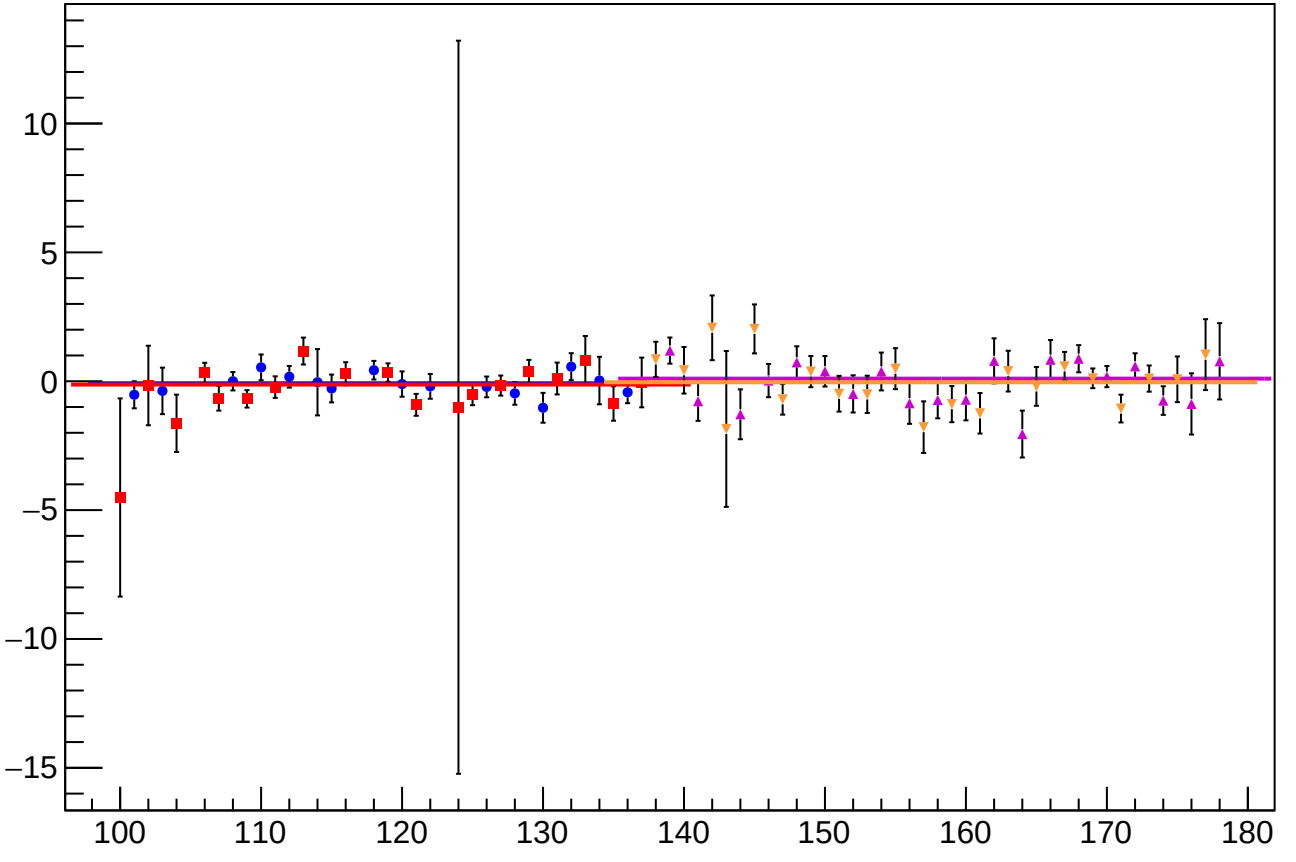
+ sign -0.000+/-0.000 χ^2/NDF: 35.6/36

All: 0.000+/-0.000 χ^2/NDF: 95.7/75

- sign 0.000+/-0.000 χ^2/NDF: 59.1/38


asym_at2_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1530066.8/15
Left Out: 0.000+/-0.000 χ²/NDF:2091153.3/20
Right Out: 0.000+/-0.000 χ²/NDF: 1641366.3/18
Left In: 0.000+/-0.000 χ²/NDF:1646839.7/19
+ sign 0.000+/-0.000 χ²/NDF: 4003716.5/36
All: 0.000+/-0.000 χ²/NDF: 7527732.0/75
- sign 0.000+/-0.000 χ²/NDF: 3431374.2/38

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.040+/-0.152 χ^2/NDF:25.7/20

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

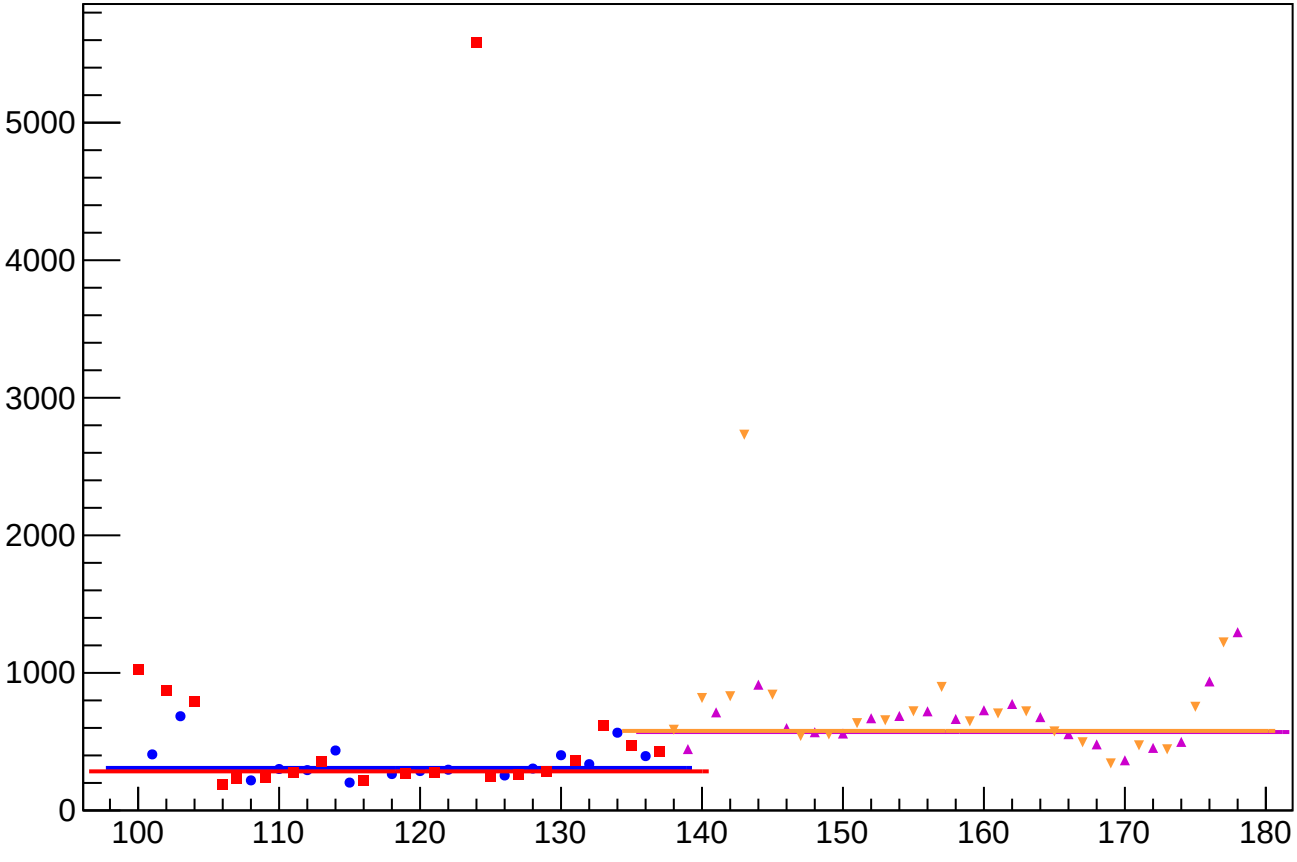
Left In: 0.101+/-0.148 χ^2/NDF:27.3/19

+ sign -0.064+/-0.095 χ^2/NDF: 36.5/36

All: -0.052+/-0.066 χ^2/NDF: 90.6/75

- sign -0.040+/-0.092 χ^2/NDF: 54.1/38

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 578.265+/-0.107 χ^2/NDF:3378106.4/20

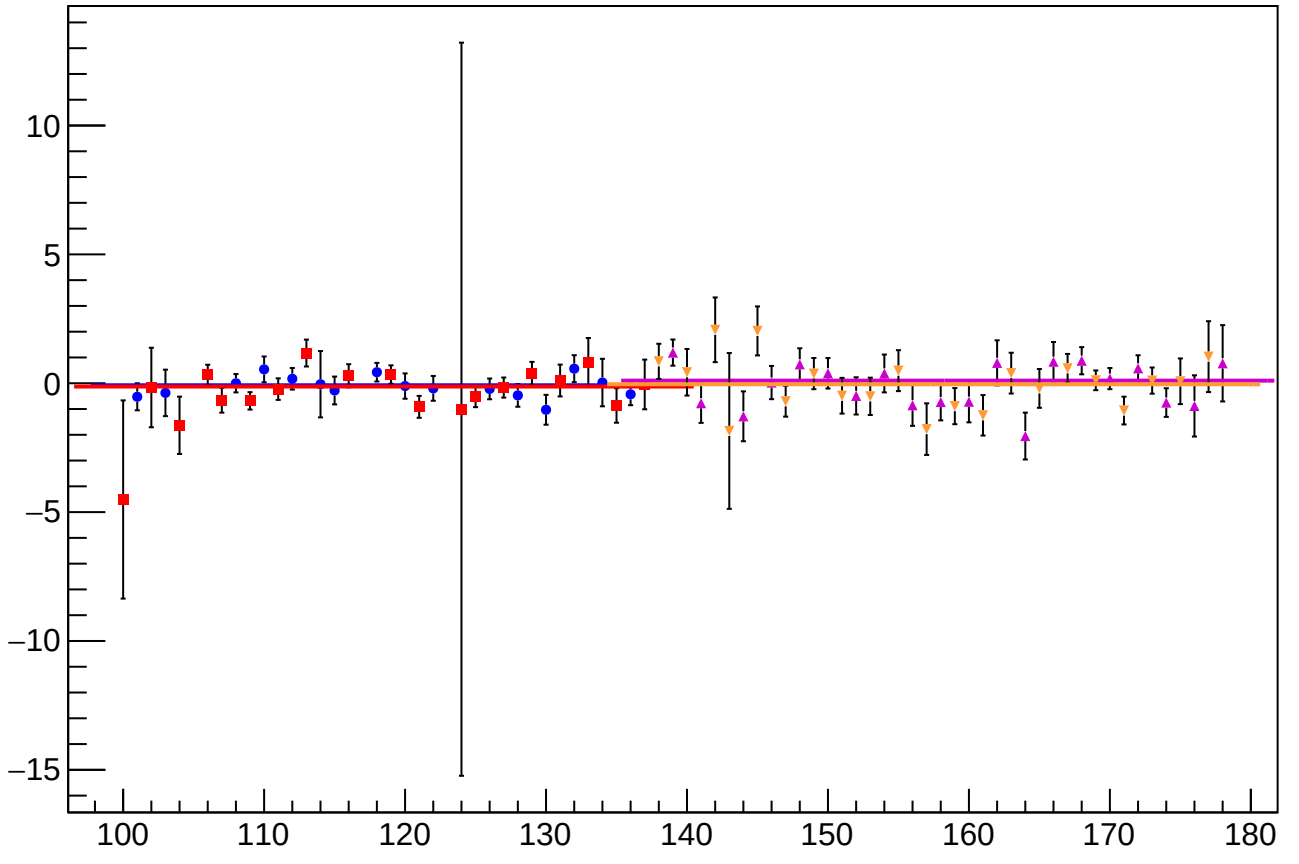
Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 569.992+/-0.105 χ^2/NDF:2225928.8/19

+ sign 414.768+/-0.067 χ^2/NDF: 8223289.6/36

All: 403.873+/-0.047 χ^2/NDF: 16935998.9/75

- sign 393.691+/-0.065 χ^2/NDF: 8661798.3/38



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.040+/-0.152 χ^2/NDF:25.7/20

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

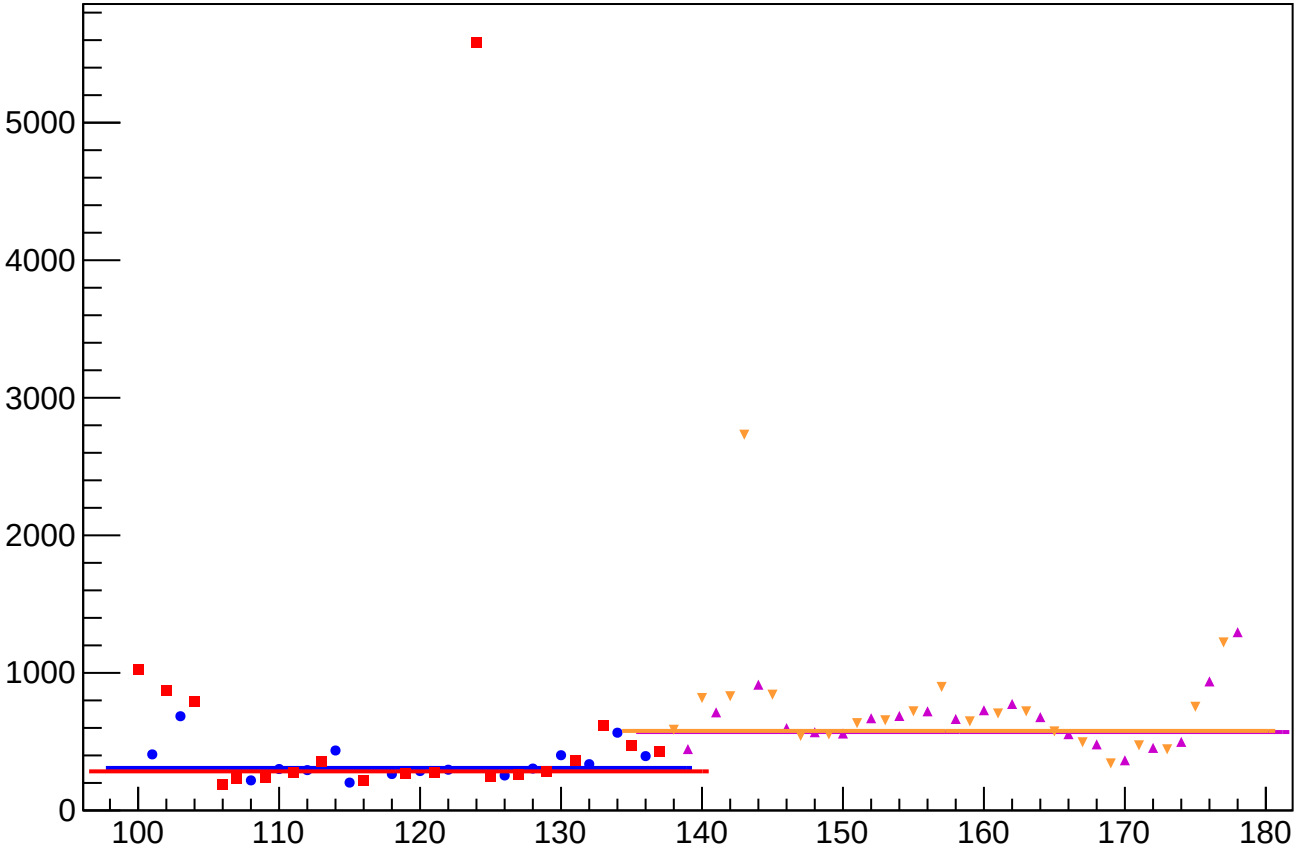
Left In: 0.101+/-0.148 χ^2/NDF:27.3/19

+ sign -0.064+/-0.095 χ^2/NDF: 36.5/36

All: -0.052+/-0.066 χ^2/NDF: 90.6/75

- sign -0.040+/-0.092 χ^2/NDF: 54.1/38

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: 578.265+/-0.107 χ^2/NDF:3378106.4/20

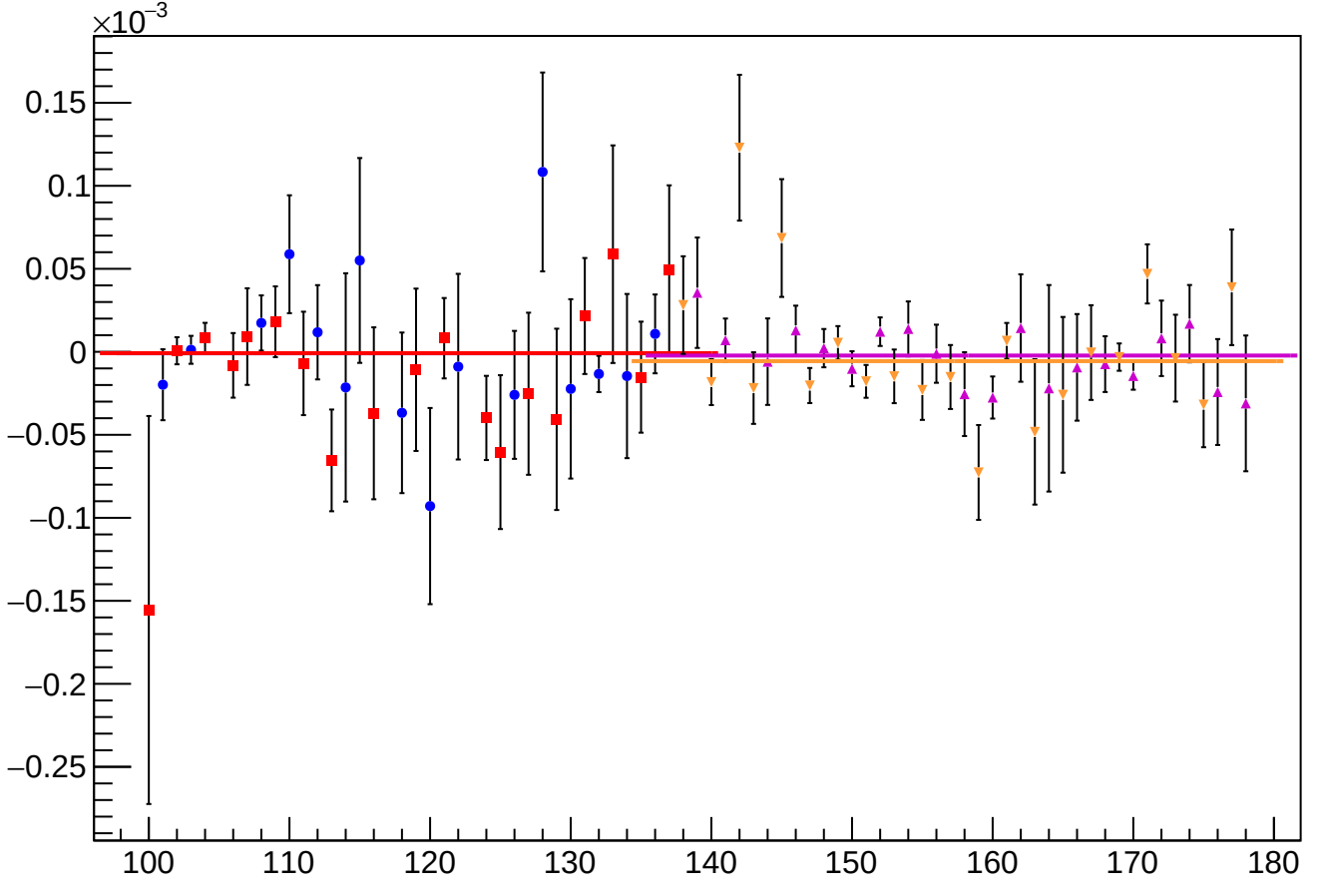
Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 569.992+/-0.105 χ^2/NDF:2225928.8/19

+ sign 414.768+/-0.067 χ^2/NDF: 8223289.6/36

All: 403.873+/-0.047 χ^2/NDF: 16935998.9/75

- sign 393.691+/-0.065 χ^2/NDF: 8661798.3/38



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:41.2/20

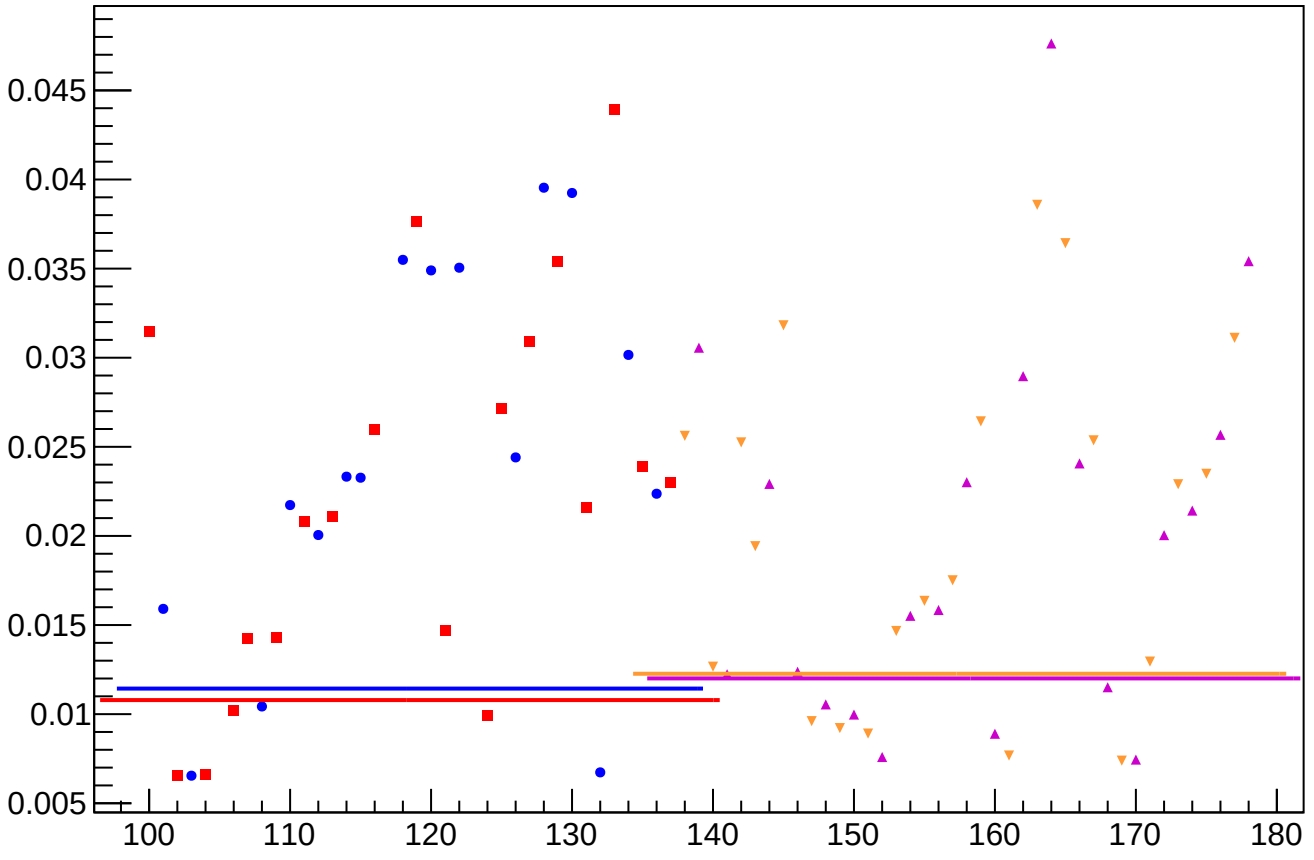
Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: -0.000+/-0.000 χ^2/NDF:16.7/19

+ sign -0.000+/-0.000 χ^2/NDF: 56.3/36

All: -0.000+/-0.000 χ^2/NDF: 89.6/75

- sign -0.000+/-0.000 χ^2/NDF: 32.9/38



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:6786061.6/20

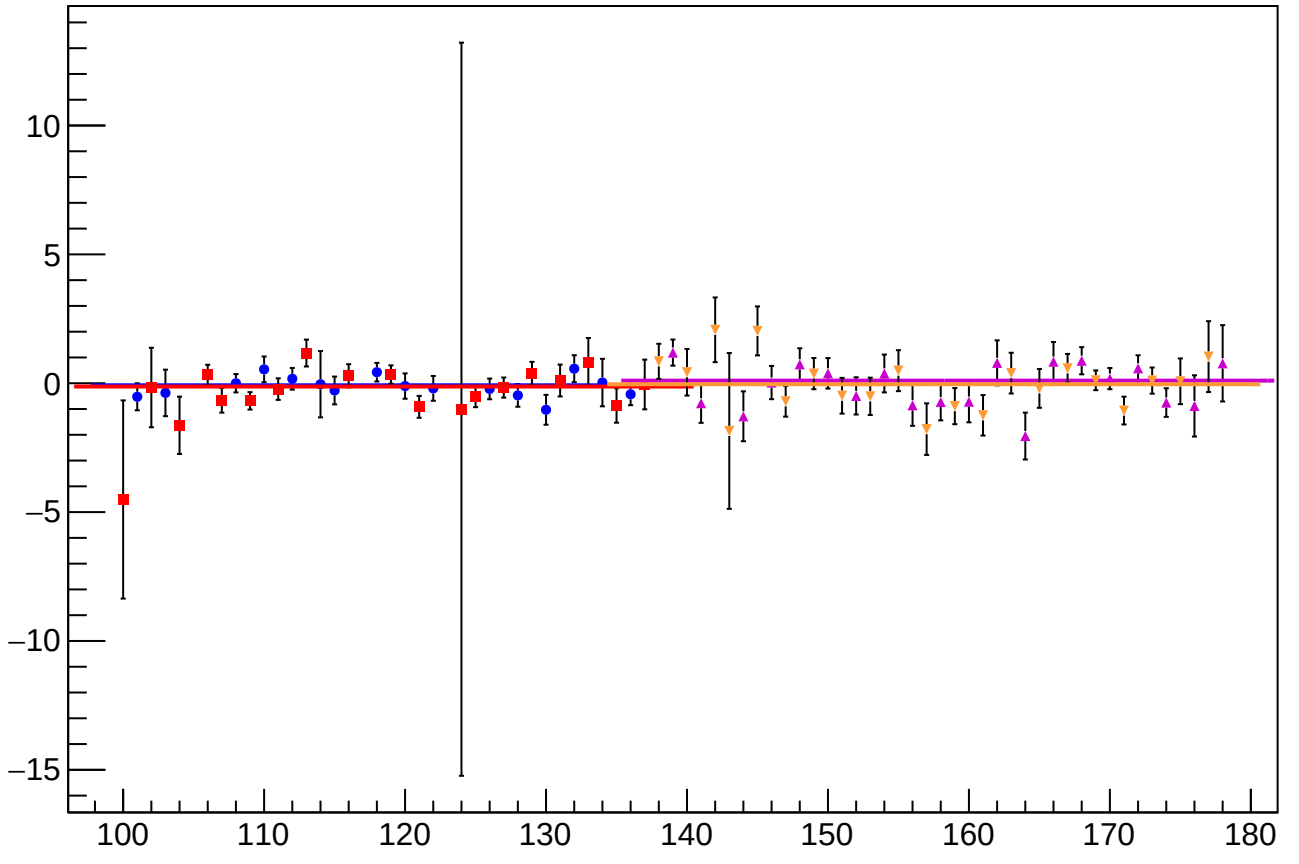
Right Out: 0.011+/-0.000 χ^2/NDF: 4473688.9/18

Left In: 0.012+/-0.000 χ^2/NDF:5986719.4/19

+ sign 0.012+/-0.000 χ^2/NDF: 11520219.5/36

All: 0.012+/-0.000 χ^2/NDF: 22085794.0/75

- sign 0.012+/-0.000 χ^2/NDF: 10543718.7/38



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.040+/-0.152 χ^2/NDF:25.7/20

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

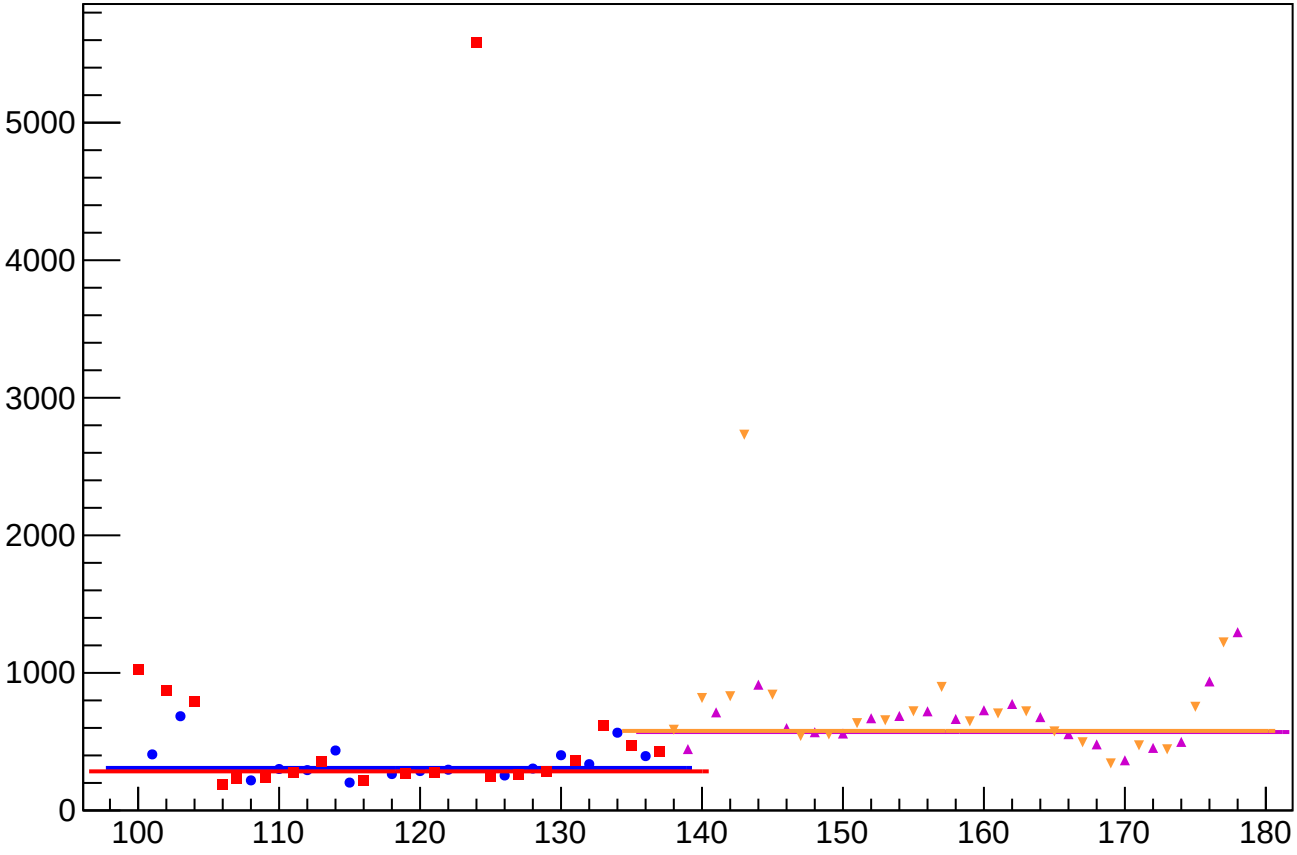
Left In: 0.101+/-0.148 χ^2/NDF:27.3/19

+ sign -0.064+/-0.095 χ^2/NDF: 36.5/36

All: -0.052+/-0.066 χ^2/NDF: 90.6/75

- sign -0.040+/-0.092 χ^2/NDF: 54.1/38

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: 578.265+/-0.107 χ^2/NDF:3378271.7/20

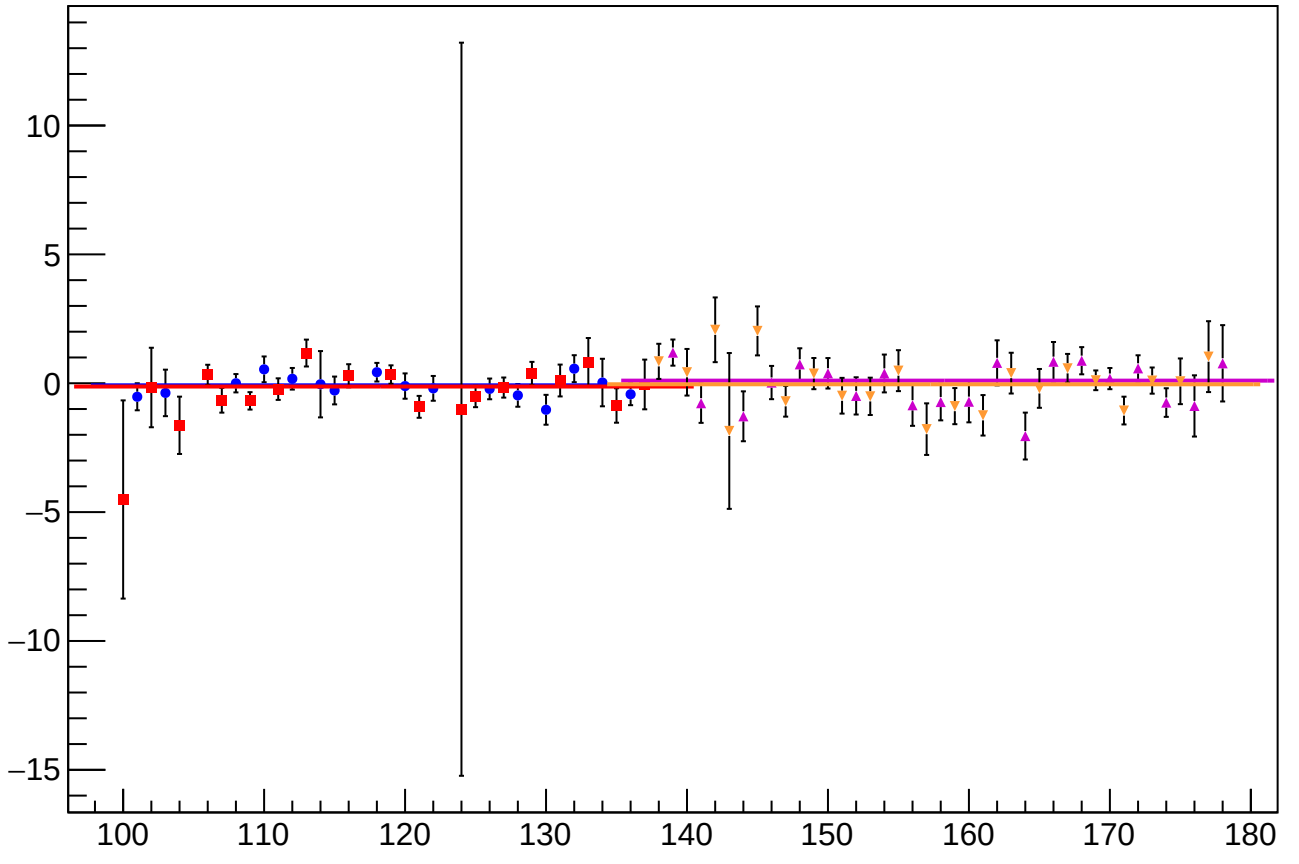
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 569.994+/-0.105 χ^2/NDF:2226038.3/19

+ sign 414.767+/-0.067 χ^2/NDF: 8223439.6/36

All: 403.872+/-0.047 χ^2/NDF: 16936315.9/75

- sign 393.690+/-0.065 χ^2/NDF: 8661968.2/38



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.040+/-0.152 χ^2/NDF:25.7/20

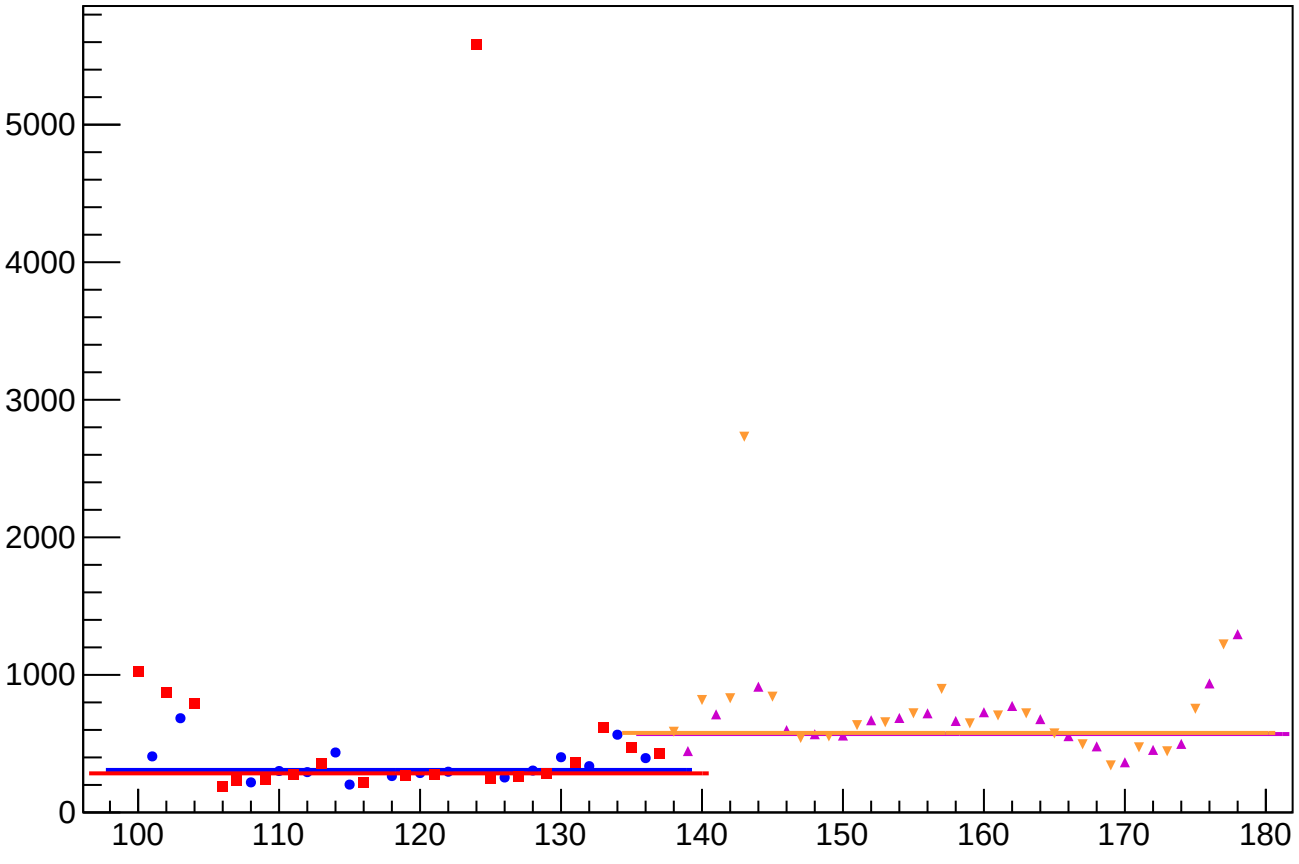
Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: 0.101+/-0.148 χ^2/NDF:27.3/19

+ sign -0.064+/-0.095 χ^2/NDF: 36.5/36

All: -0.052+/-0.066 χ^2/NDF: 90.6/75

- sign -0.040+/-0.092 χ^2/NDF: 54.1/38



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 578.265+/-0.107 χ^2/NDF:3378271.7/20

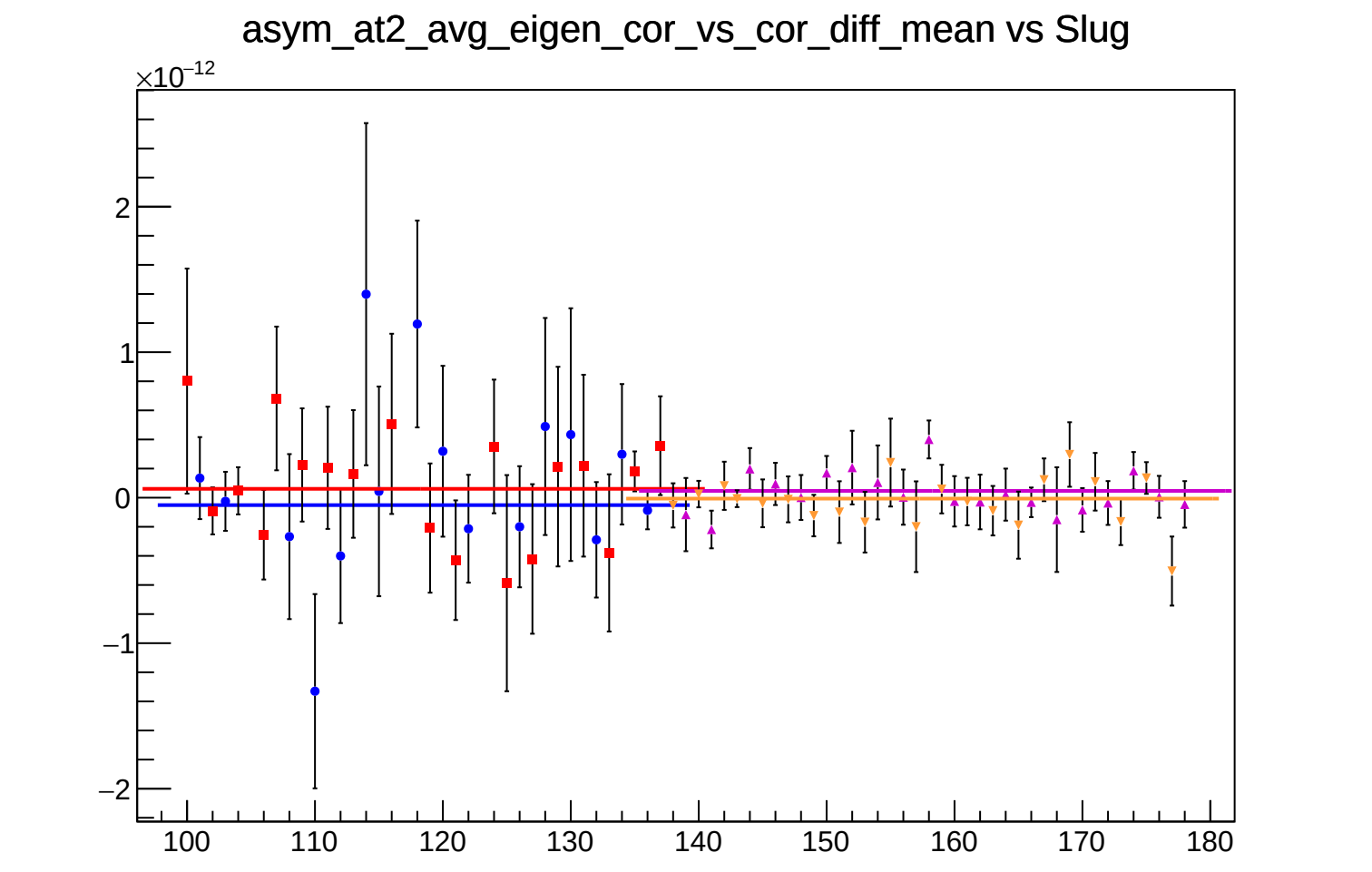
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 569.994+/-0.105 χ^2/NDF:2226038.3/19

+ sign 414.767+/-0.067 χ^2/NDF: 8223439.6/36

All: 403.872+/-0.047 χ^2/NDF: 16936315.9/75

- sign 393.690+/-0.065 χ^2/NDF: 8661968.2/38



Right In: -0.000+/-0.000 χ^2/NDF: 12.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.1/20

Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

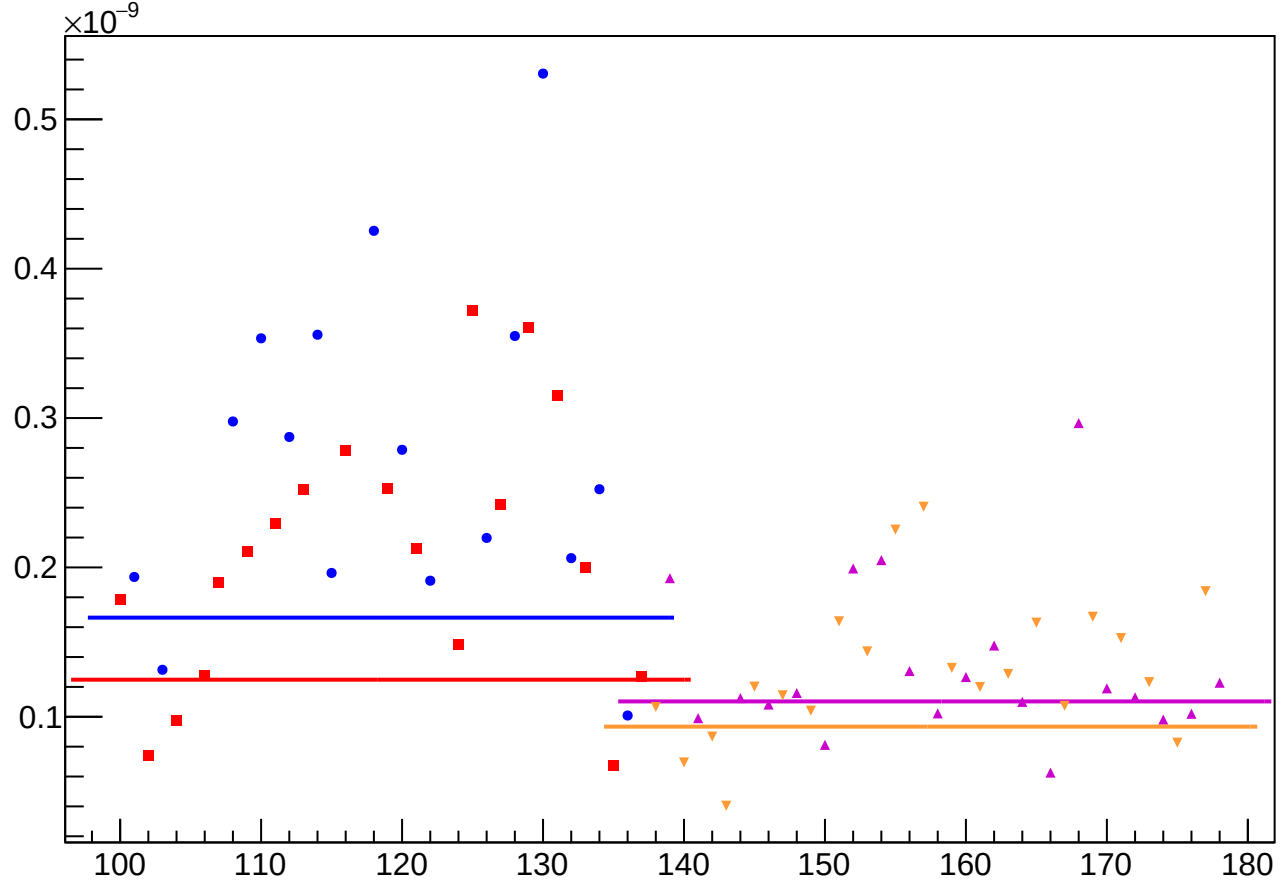
Left In: 0.000+/-0.000 χ^2/NDF:18.8/19

+ sign -0.000+/-0.000 χ^2/NDF: 26.3/36

All: 0.000+/-0.000 χ^2/NDF: 58.7/75

- sign 0.000+/-0.000 χ^2/NDF: 30.2/38

asym_at2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1984237.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:4338138.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2209554.2/18

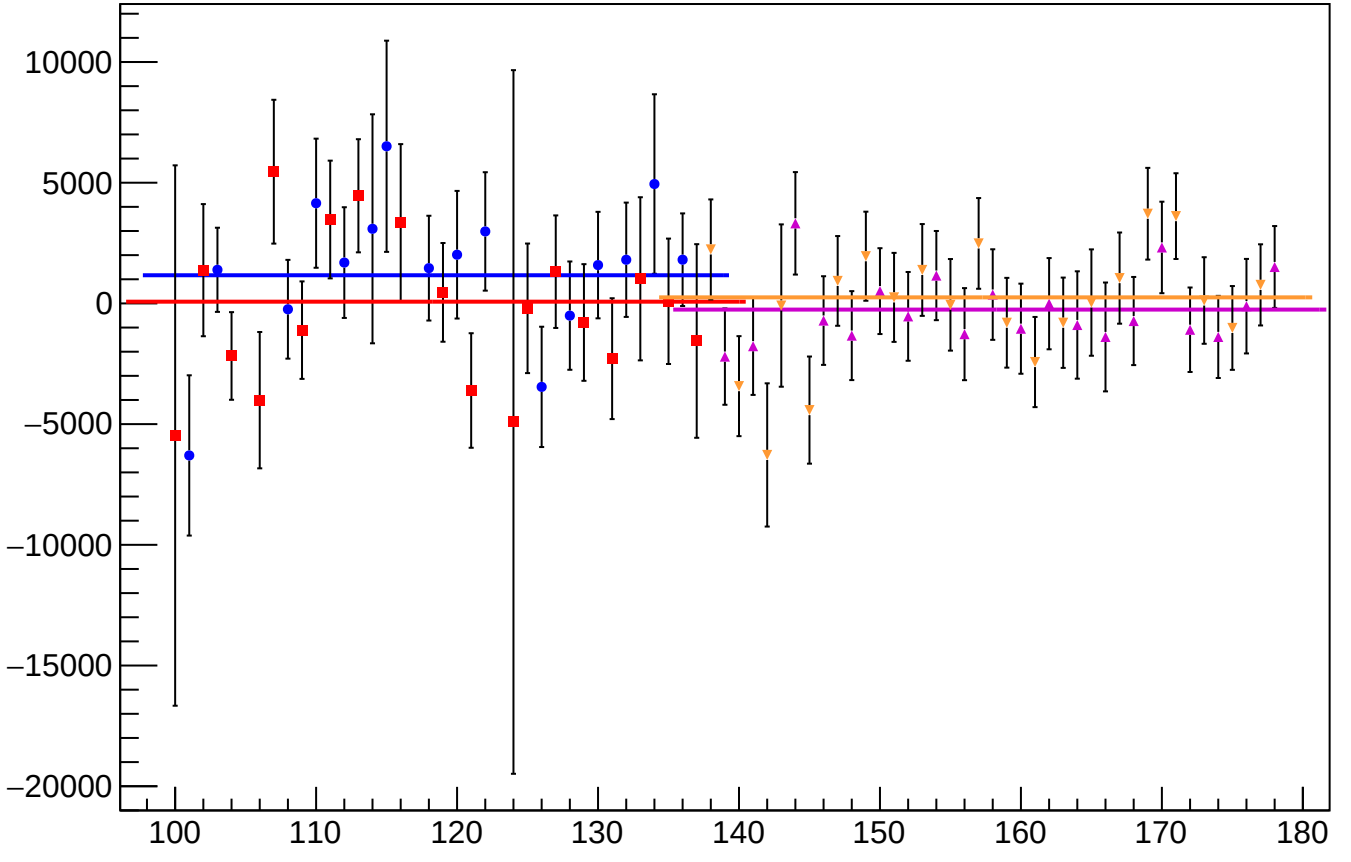
Left In: 0.000+/-0.000 χ^2/NDF:2029419.9/19

+ sign 0.000+/-0.000 χ^2/NDF: 7639852.5/36

All: 0.000+/-0.000 χ^2/NDF: 12086831.4/75

- sign 0.000+/-0.000 χ^2/NDF: 4308356.1/38

reg_asym_at2_dd_mean vs Slug



Right In: 1166.862+/-609.171 χ^2/NDF: 14.4/15

Left Out: 250.862+/-425.405 χ^2/NDF:26.6/20

Right Out: 72.181+/-603.362 χ^2/NDF: 18.3/18

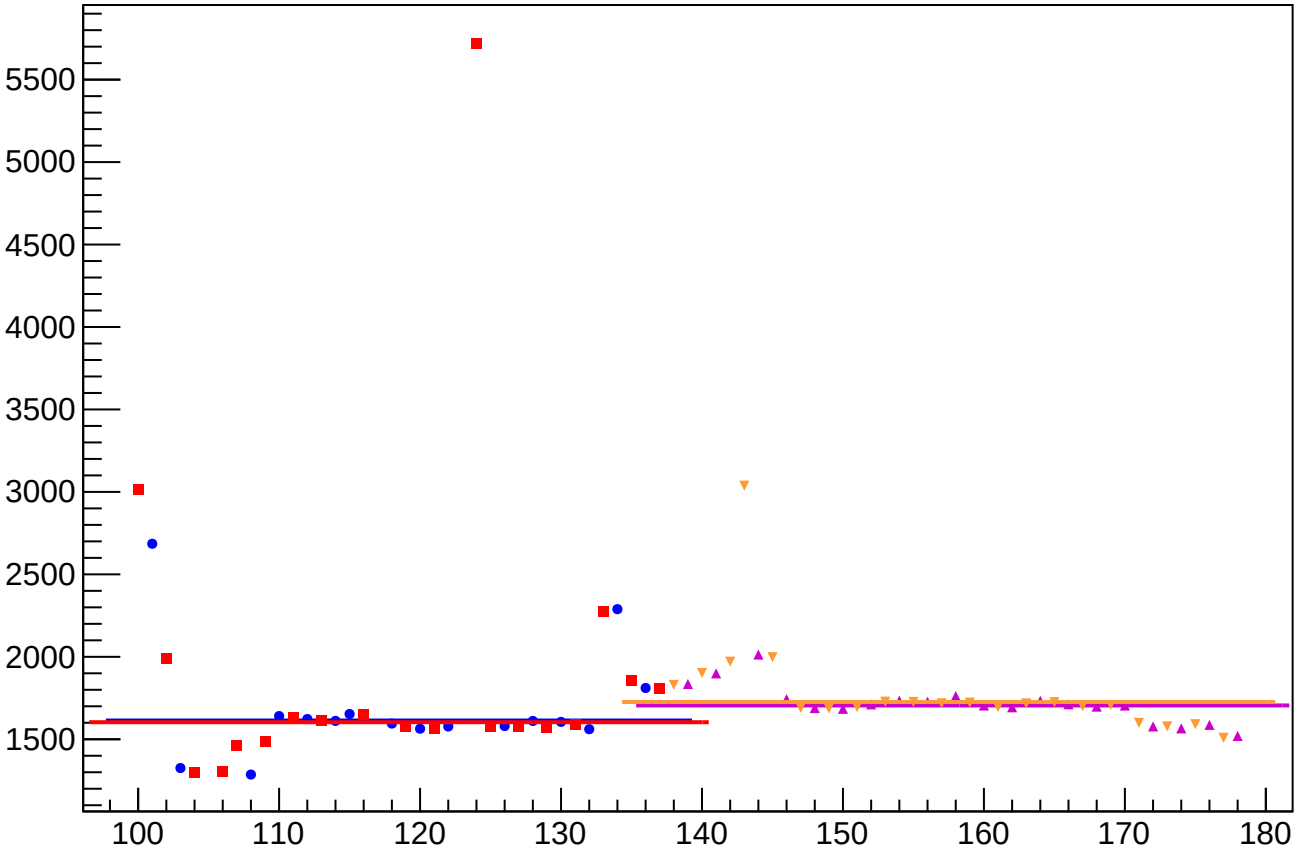
Left In: -255.636+/-422.612 χ^2/NDF:10.1/19

+ sign 551.133+/-348.778 χ^2/NDF: 42.5/36

All: 199.051+/-245.688 χ^2/NDF: 73.2/75

- sign -147.742+/-346.148 χ^2/NDF: 28.6/38

reg_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 1725.770+/-0.301 χ^2/NDF:439954.1/20

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

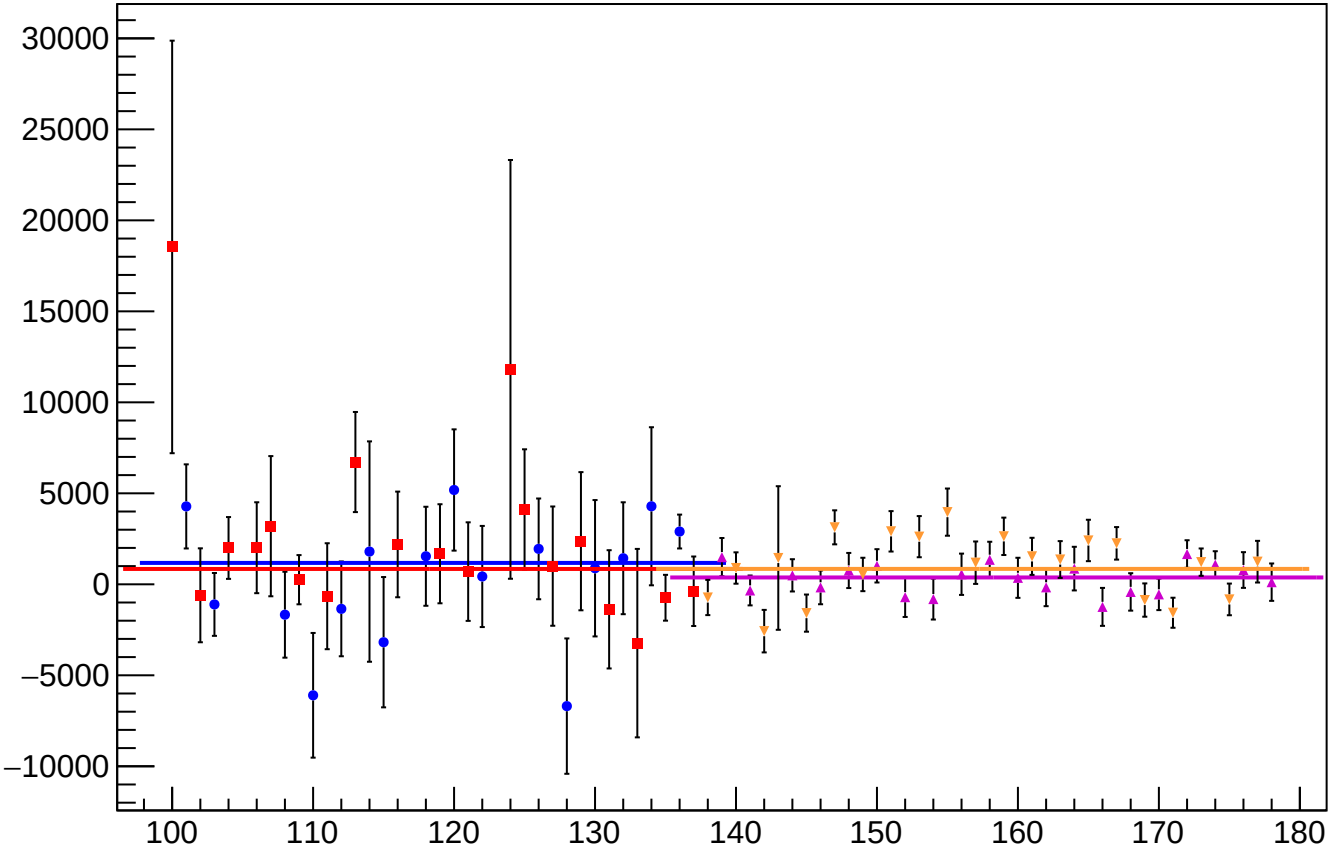
Left In: 1705.060+/-0.299 χ^2/NDF:128720.0/19

+ sign 1689.024+/-0.247 χ^2/NDF: 890165.3/36

All: 1680.257+/-0.174 χ^2/NDF: 1485229.5/75

- sign 1671.622+/-0.245 χ^2/NDF: 592556.0/38

asym_at2_dd_reg_correction_mean vs Slug



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: 846.807+/-218.945 χ^2/NDF:59.0/20

Right Out: 843.857+/-557.438 χ^2/NDF: 14.3/18

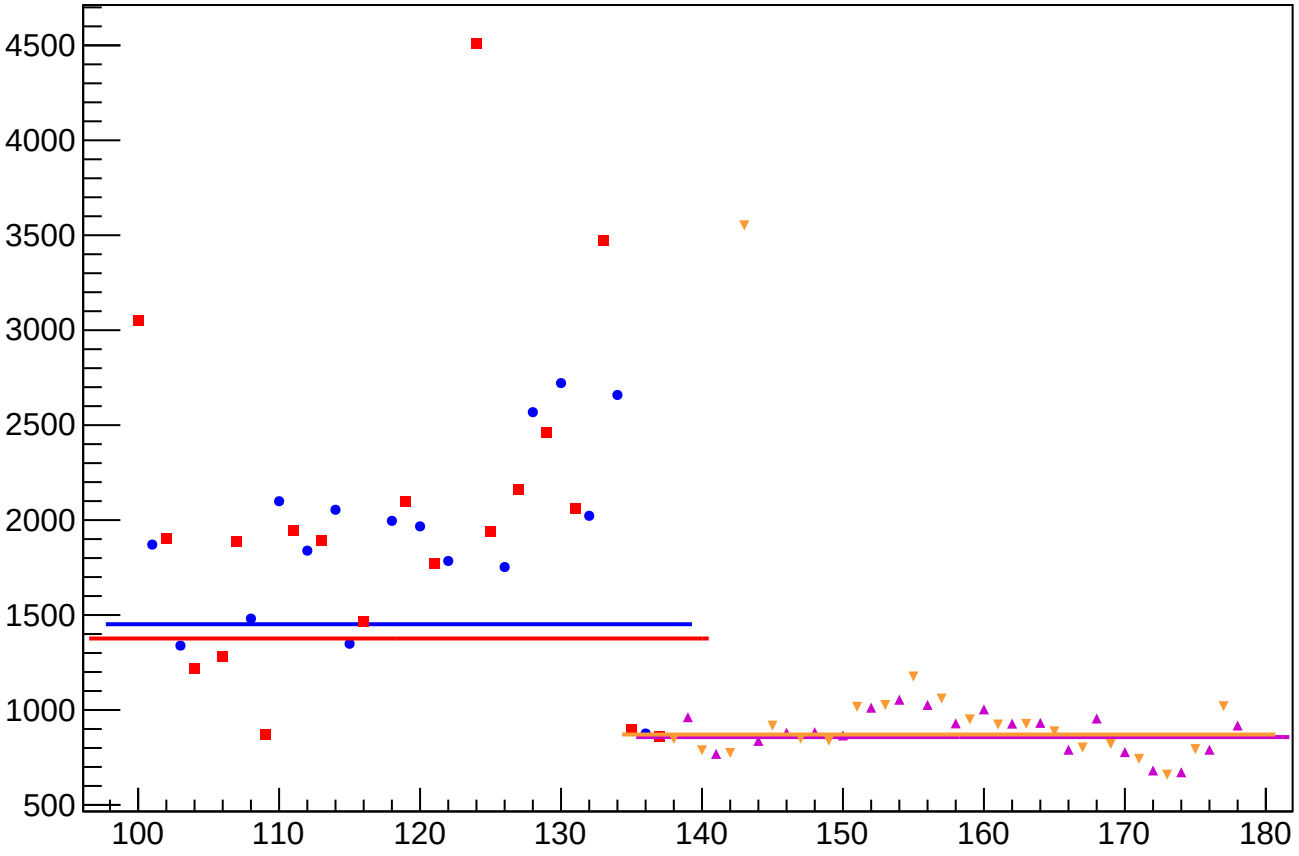
Left In: 376.317+/-214.439 χ^2/NDF:14.6/19

+ sign 887.917+/-204.795 χ^2/NDF: 81.2/36

All: 657.066+/-143.138 χ^2/NDF: 113.2/75

- sign 436.586+/-200.141 χ^2/NDF: 29.5/38

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 870.919+/-0.155 χ^2/NDF:1499363.5/20

Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

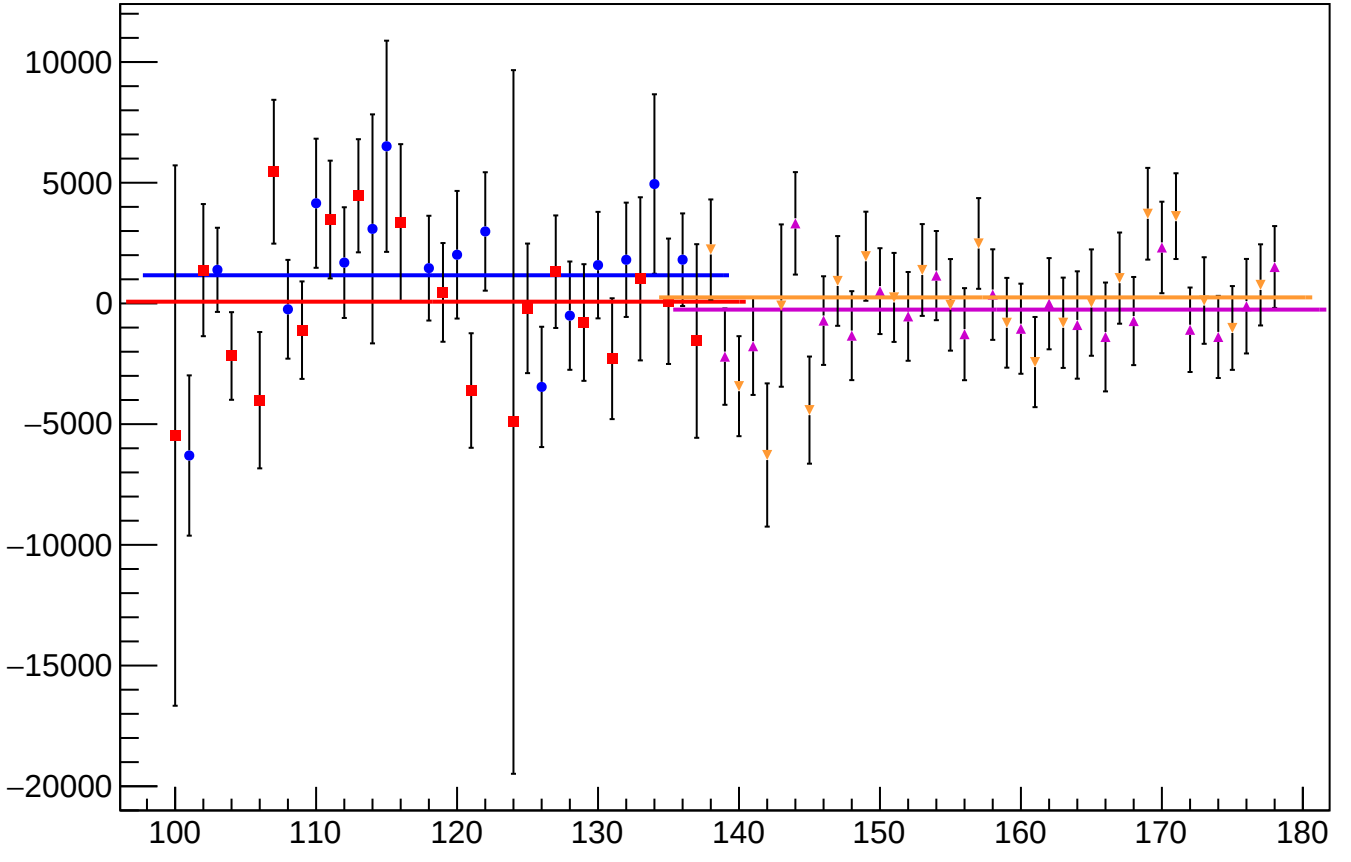
Left In: 857.362+/-0.152 χ^2/NDF:549824.3/19

+ sign 943.554+/-0.145 χ^2/NDF: 5050029.5/36

All: 933.695+/-0.101 χ^2/NDF: 9251794.3/75

- sign 924.279+/-0.142 χ^2/NDF: 4192703.1/38

cor_asym_at2_dd_mean vs Slug



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: 250.817+/-425.405 χ^2/NDF:26.6/20

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

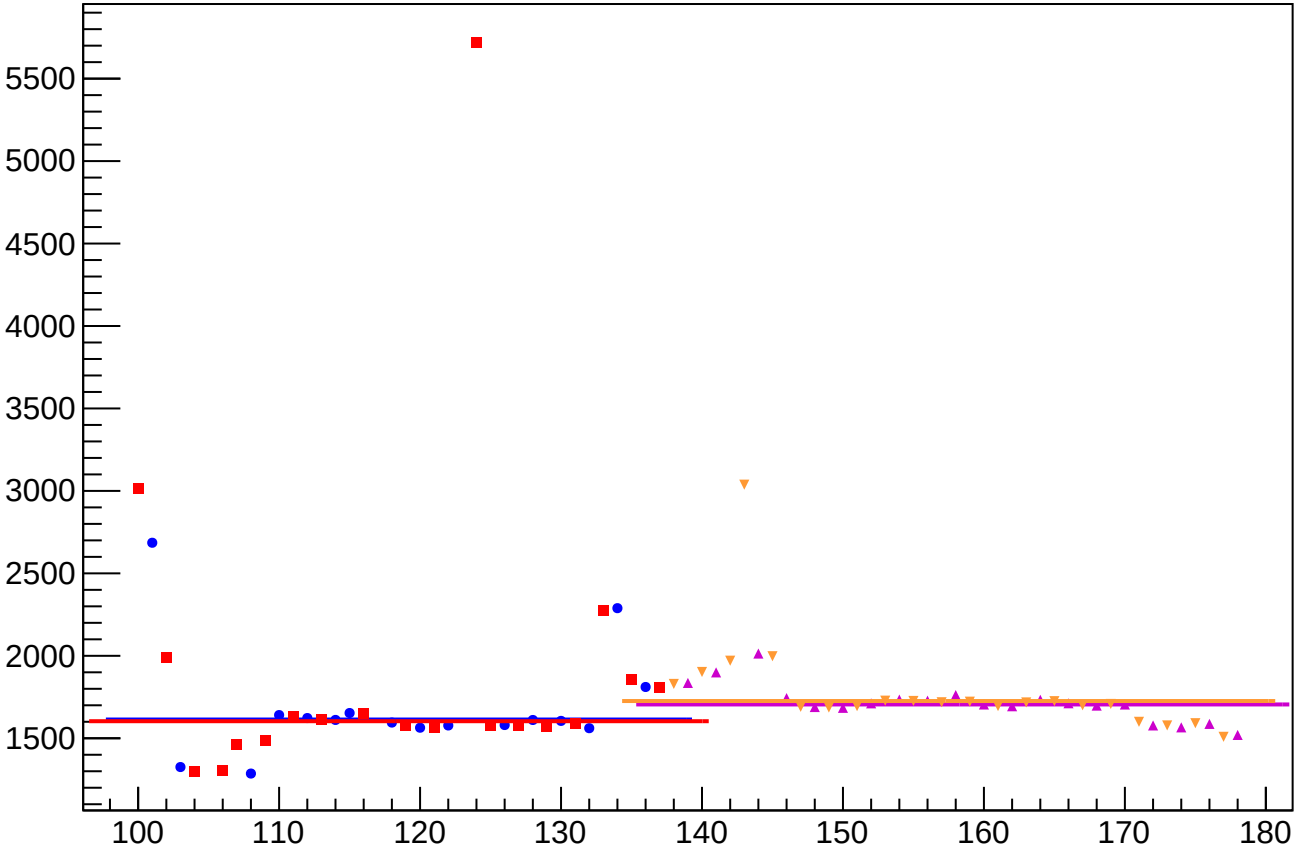
Left In: -255.561+/-422.612 χ^2/NDF:10.1/19

+ sign 551.073+/-348.778 χ^2/NDF: 42.5/36

All: 199.099+/-245.688 χ^2/NDF: 73.2/75

- sign -147.587+/-346.148 χ^2/NDF: 28.6/38

cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1725.770+/-0.301 χ^2/NDF:439954.1/20

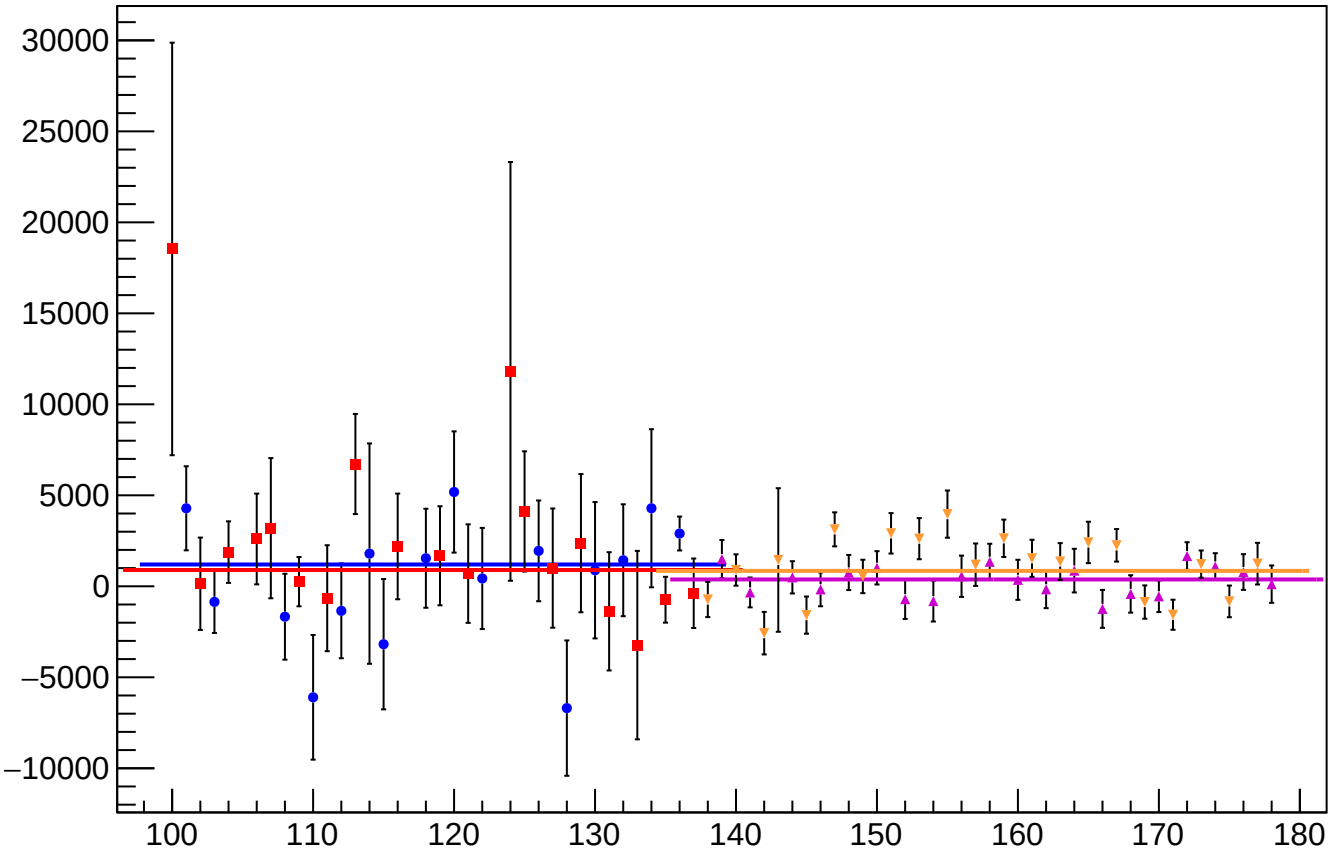
Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1705.060+/-0.299 χ^2/NDF:128720.0/19

+ sign 1689.024+/-0.247 χ^2/NDF: 890165.6/36

All: 1680.257+/-0.174 χ^2/NDF: 1485230.0/75

- sign 1671.622+/-0.245 χ^2/NDF: 592556.1/38



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 846.881+/-218.947 χ^2/NDF:59.0/20

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

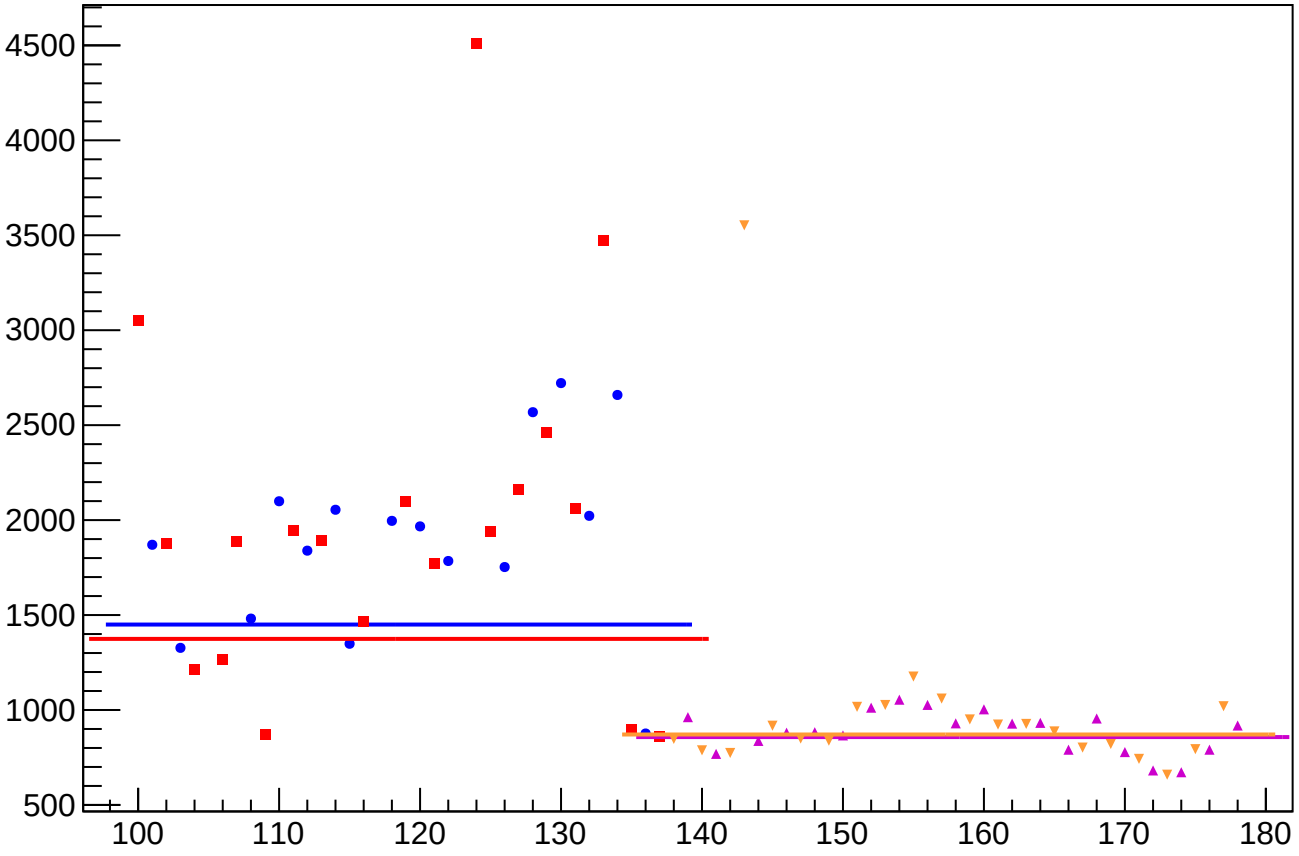
Left In: 376.307+/-214.439 χ^2/NDF:14.6/19

+ sign 890.952+/-204.760 χ^2/NDF: 81.0/36

All: 662.027+/-143.113 χ^2/NDF: 113.0/75

- sign 443.392+/-200.106 χ^2/NDF: 29.6/38

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 870.929+/-0.155 χ^2/NDF:1499285.5/20

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

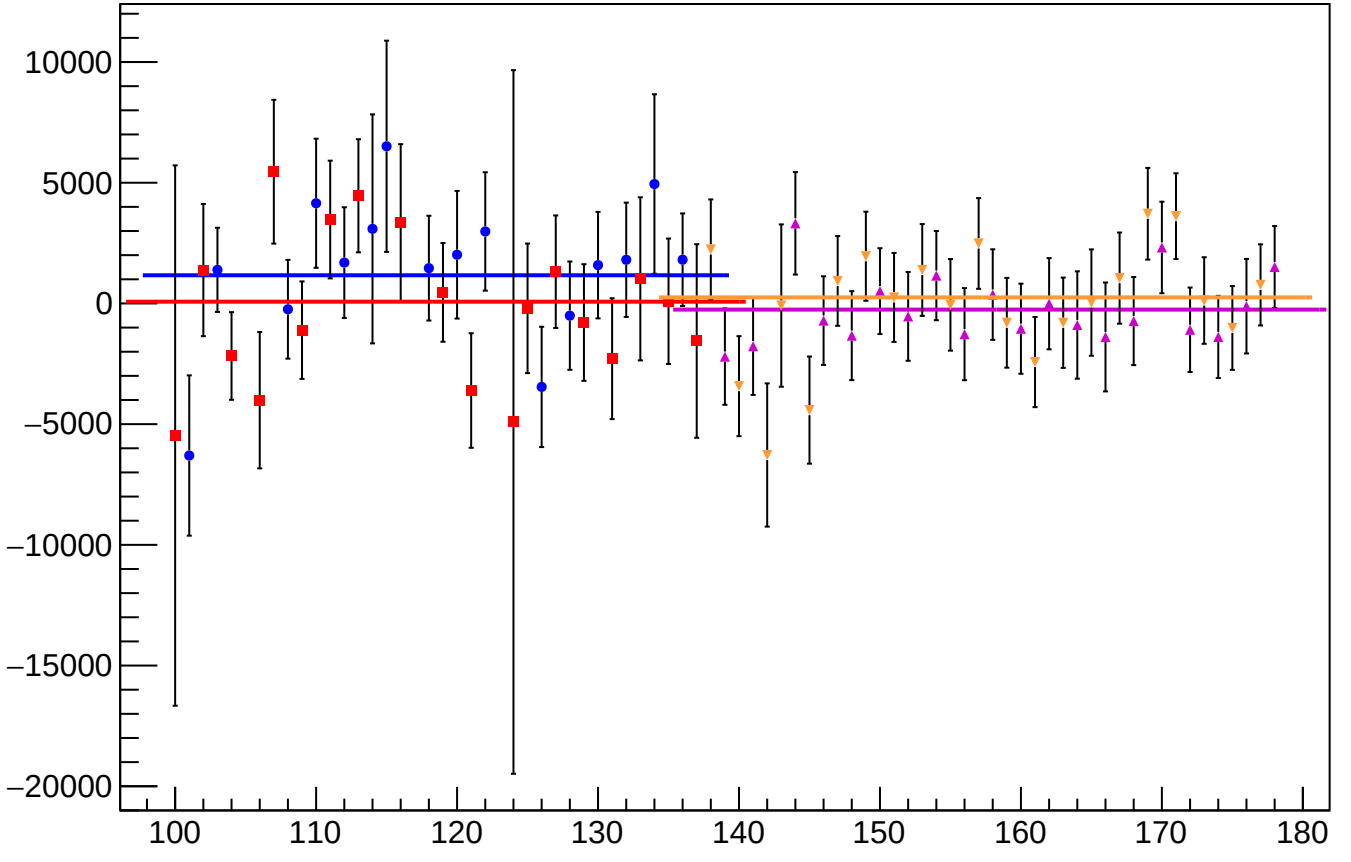
Left In: 857.363+/-0.152 χ^2/NDF:549839.0/19

+ sign 943.533+/-0.145 χ^2/NDF: 5045829.5/36

All: 933.634+/-0.101 χ^2/NDF: 9235142.1/75

- sign 924.179+/-0.141 χ^2/NDF: 4180173.8/38

eigen_cor_asym_at2_dd_mean vs Slug



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: 250.817+/-425.405 χ^2/NDF:26.6/20

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

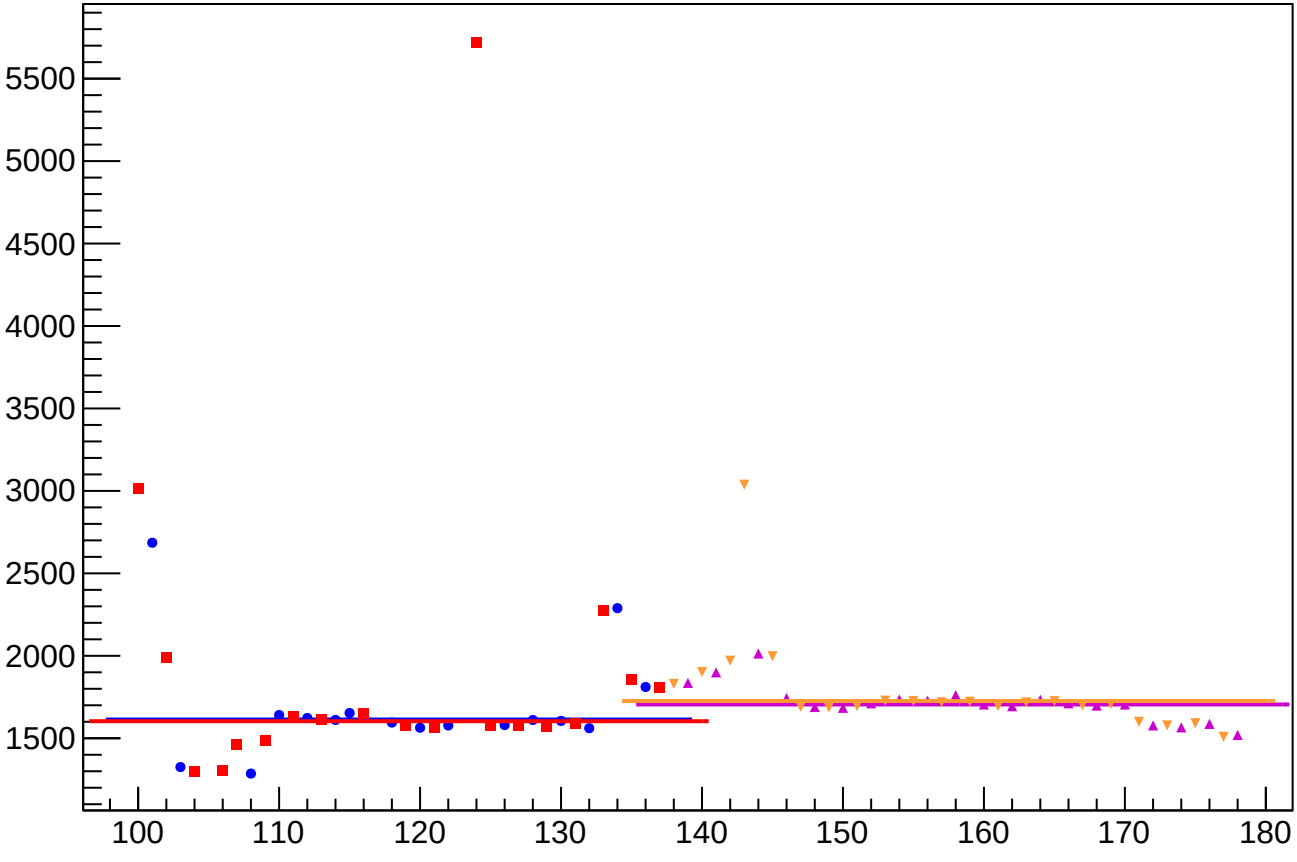
Left In: -255.561+/-422.612 χ^2/NDF:10.1/19

+ sign 551.073+/-348.778 χ^2/NDF: 42.5/36

All: 199.099+/-245.688 χ^2/NDF: 73.2/75

- sign -147.587+/-346.148 χ^2/NDF: 28.6/38

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1725.770+/-0.301 χ^2/NDF:439954.1/20

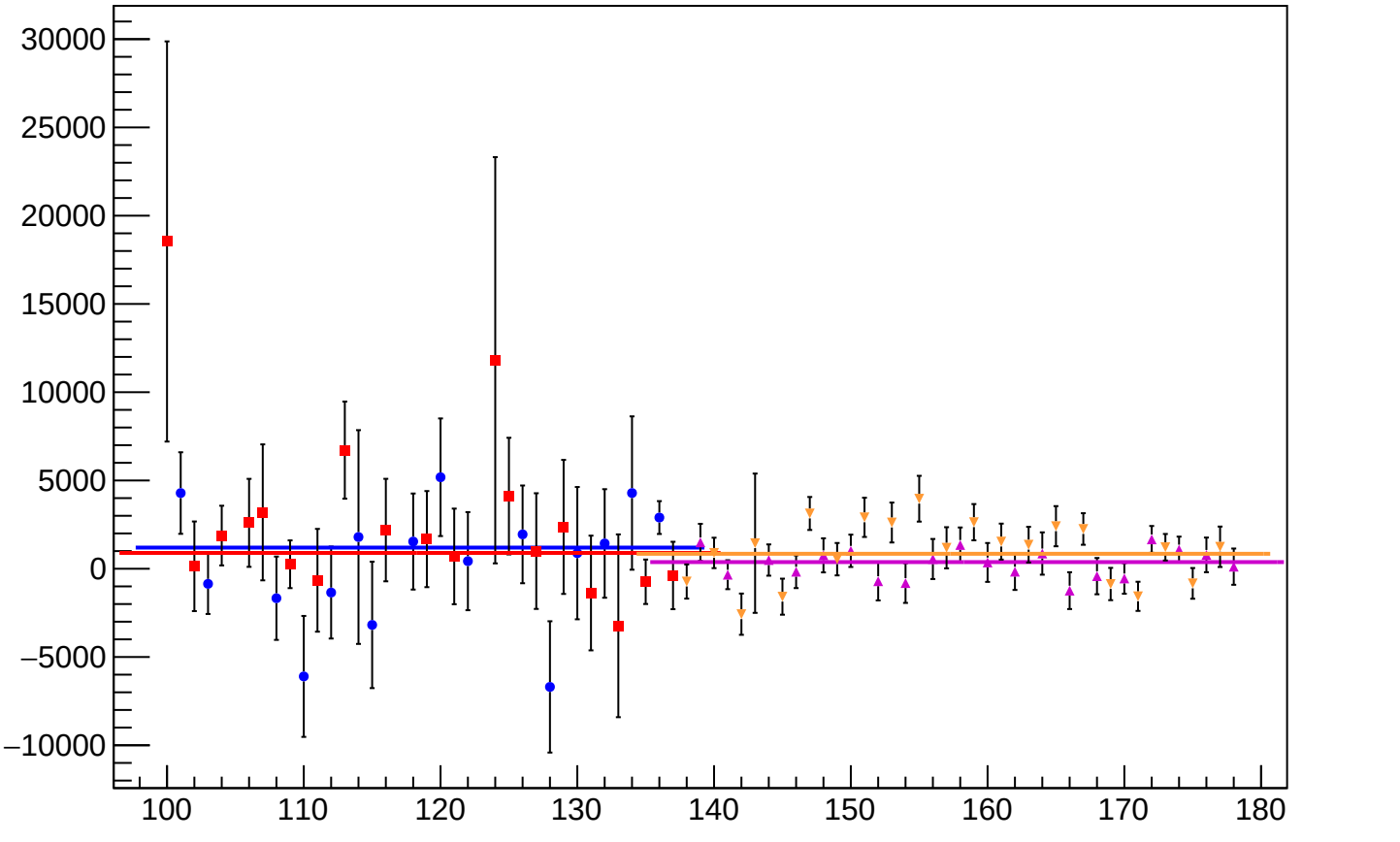
Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1705.060+/-0.299 χ^2/NDF:128720.0/19

+ sign 1689.024+/-0.247 χ^2/NDF: 890165.6/36

All: 1680.257+/-0.174 χ^2/NDF: 1485230.0/75

- sign 1671.622+/-0.245 χ^2/NDF: 592556.1/38



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 846.881+/-218.947 χ^2/NDF:59.0/20

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

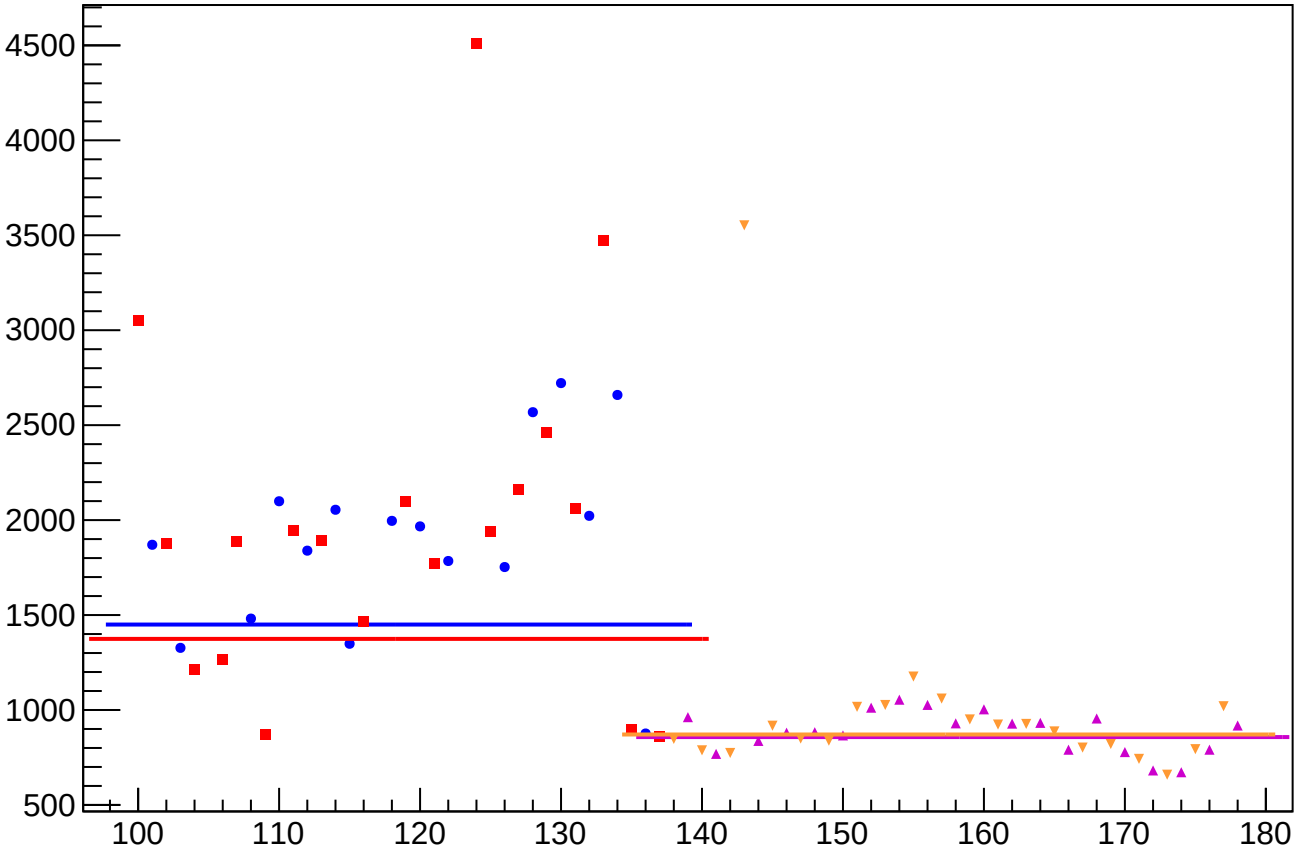
Left In: 376.307+/-214.439 χ^2/NDF:14.6/19

+ sign 890.952+/-204.760 χ^2/NDF: 81.0/36

All: 662.027+/-143.113 χ^2/NDF: 113.0/75

- sign 443.392+/-200.106 χ^2/NDF: 29.6/38

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 870.929+/-0.155 χ^2/NDF:1499285.5/20

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

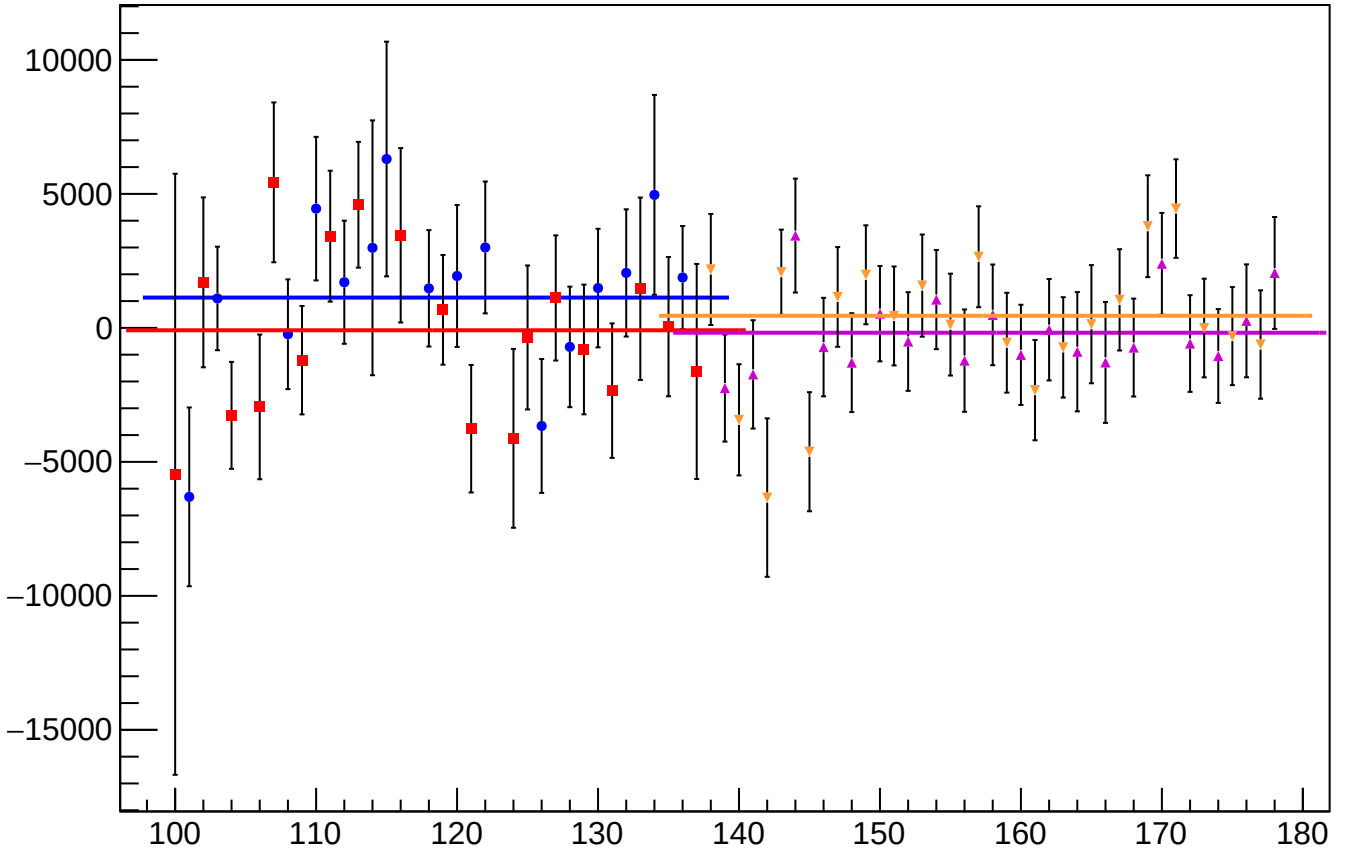
Left In: 857.363+/-0.152 χ^2/NDF:549839.0/19

+ sign 943.533+/-0.145 χ^2/NDF: 5045829.5/36

All: 933.634+/-0.101 χ^2/NDF: 9235142.1/75

- sign 924.179+/-0.141 χ^2/NDF: 4180173.8/38

dit_asym_at2_dd_mean vs Slug



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: 451.532+/-420.881 χ^2/NDF:29.7/20

Right Out: -89.220+/-603.072 χ^2/NDF: 20.7/18

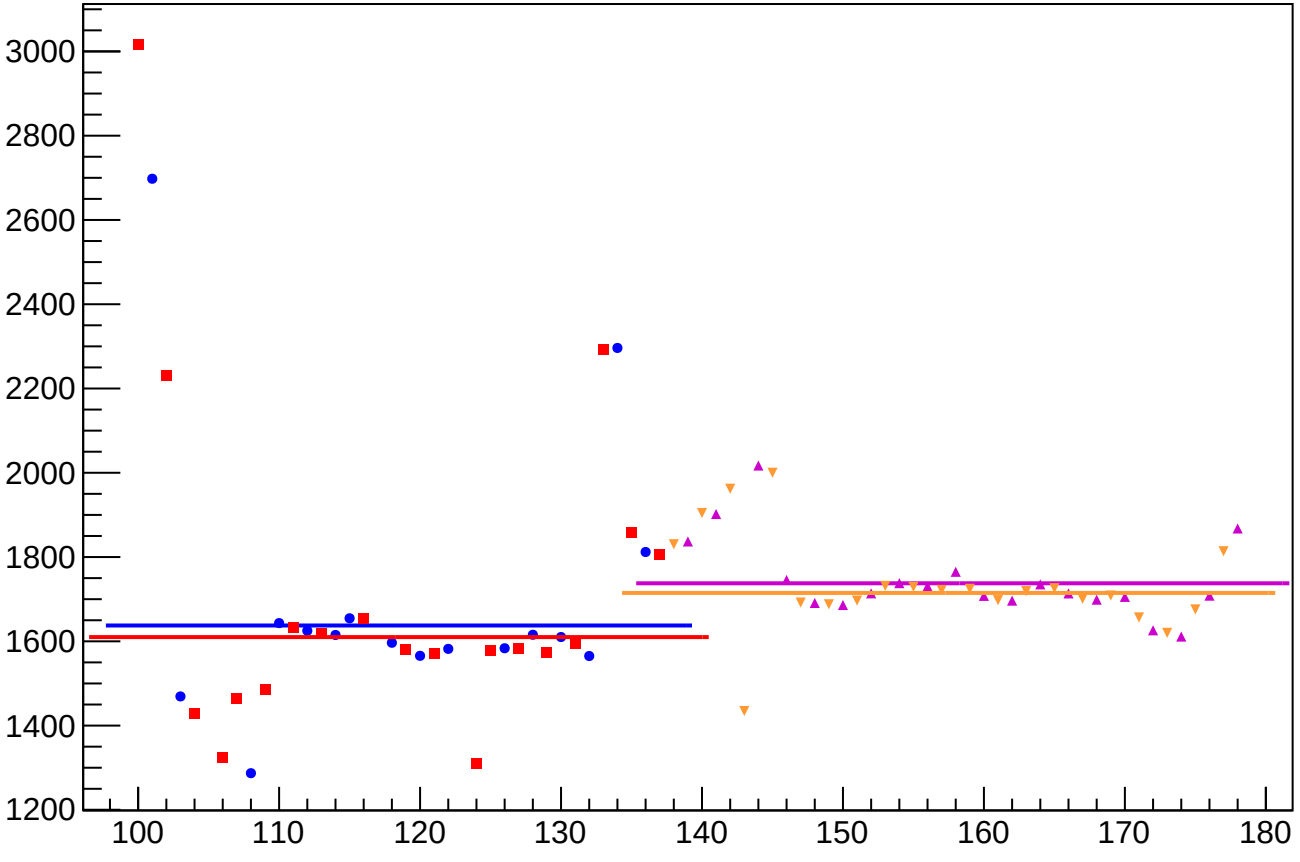
Left In: -180.990+/-430.476 χ^2/NDF:10.0/19

+ sign 667.100+/-347.733 χ^2/NDF: 45.5/36

All: 261.632+/-246.812 χ^2/NDF: 78.9/75

- sign -150.015+/-350.372 χ^2/NDF: 30.7/38

dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1714.835+/-0.298 χ^2/NDF:146794.3/20

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

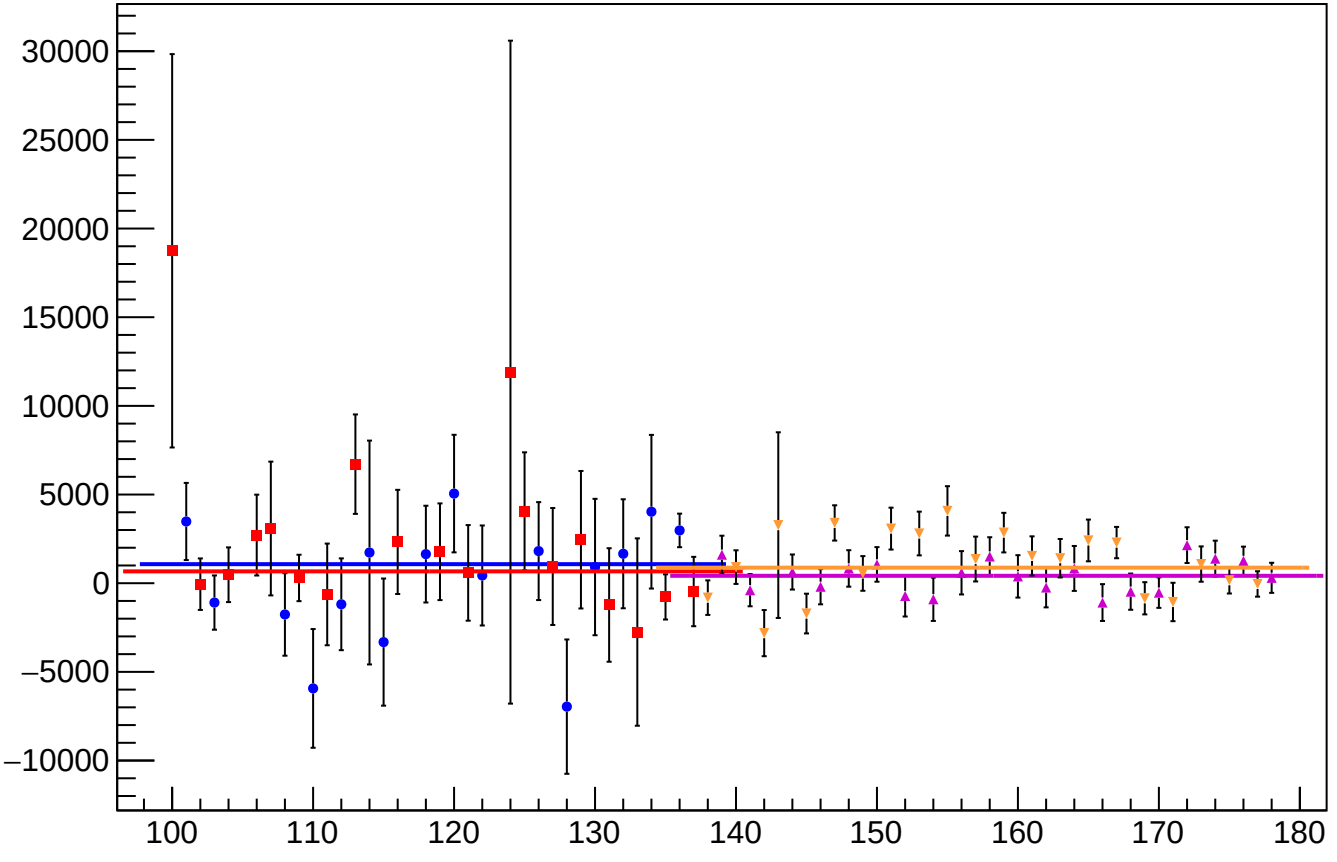
Left In: 1737.724+/-0.304 χ^2/NDF:85925.1/19

\+ sign 1690.313+/-0.246 χ^2/NDF: 529602.0/36

All: 1692.454+/-0.175 χ^2/NDF: 955881.3/75

\- sign 1694.627+/-0.248 χ^2/NDF: 426126.5/38

asym_at2_dd_dit_correction_mean vs Slug



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

Left Out: 876.463+/-226.739 χ^2/NDF:51.9/20

Right Out: 667.777+/-523.477 χ^2/NDF: 13.6/18

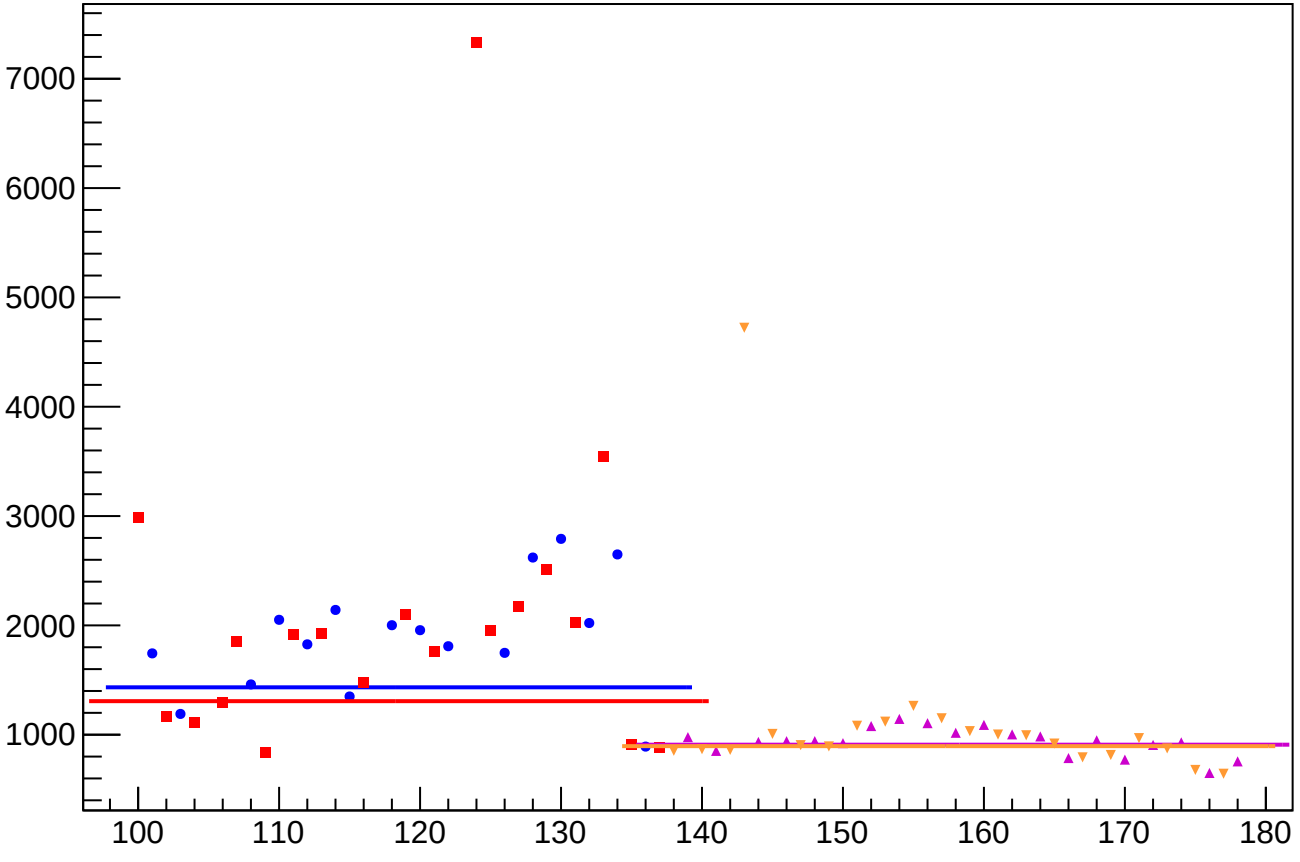
Left In: 417.807+/-227.494 χ^2/NDF:15.8/19

+ sign 903.264+/-210.763 χ^2/NDF: 74.0/36

All: 678.137+/-148.277 χ^2/NDF: 105.8/75

- sign 457.517+/-208.643 χ^2/NDF: 29.5/38

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1433.477+/-0.404 χ^2/NDF: 1763491.8/15

Left Out: 895.361+/-0.160 χ^2/NDF:1969654.9/20

Right Out: 1306.866+/-0.370 χ^2/NDF: 2183906.3/18

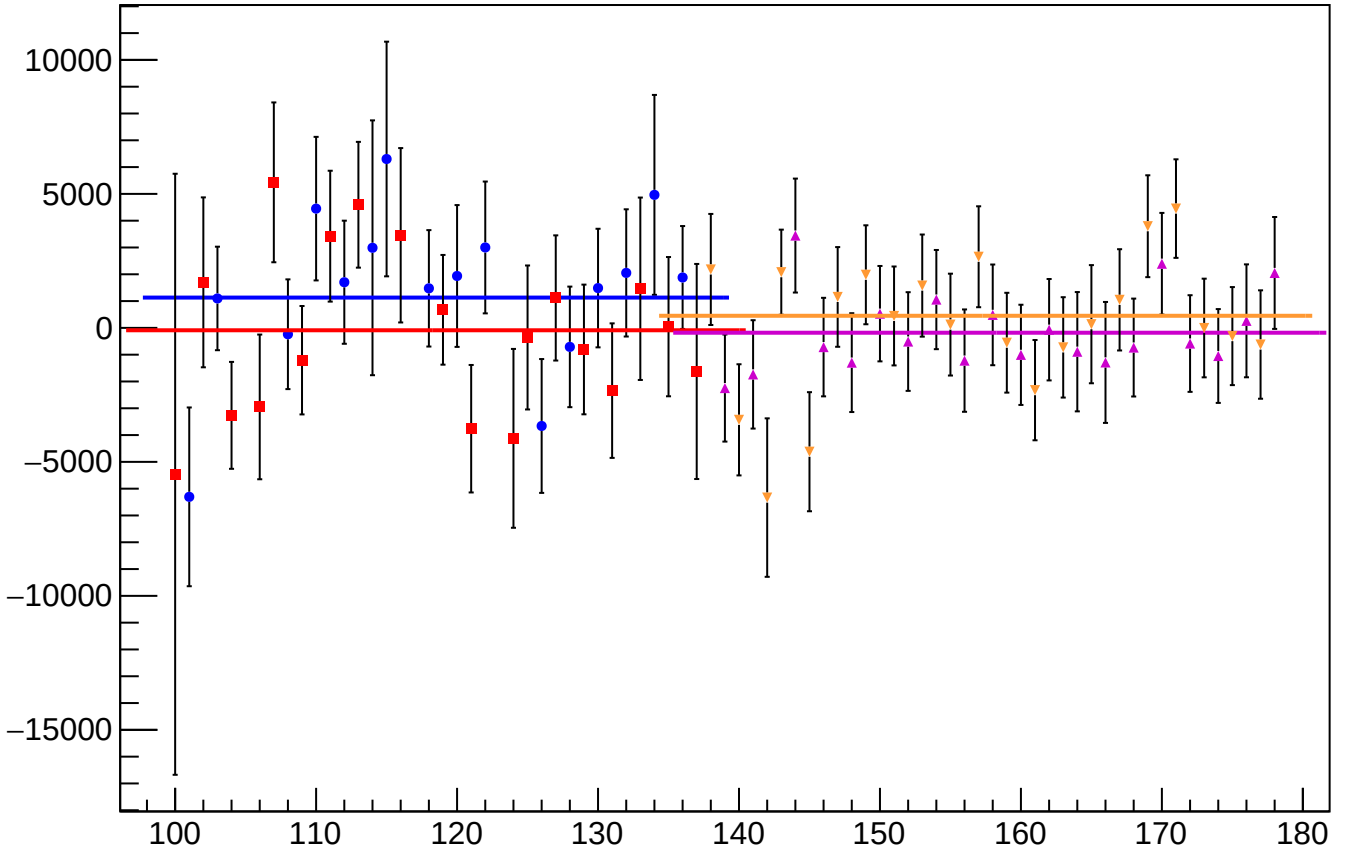
Left In: 908.739+/-0.161 χ^2/NDF:634511.8/19

+ sign 968.519+/-0.149 χ^2/NDF: 5264662.6/36

All: 970.270+/-0.105 χ^2/NDF: 9056432.3/75

- sign 971.985+/-0.148 χ^2/NDF: 3791496.6/38

eigen_dit_asym_at2_dd_mean vs Slug



Right In: 1130.728+/-617.236 χ^2/NDF: 15.0/15

Left Out: 451.527+/-420.881 χ^2/NDF:29.7/20

Right Out: -89.225+/-603.072 χ^2/NDF: 20.7/18

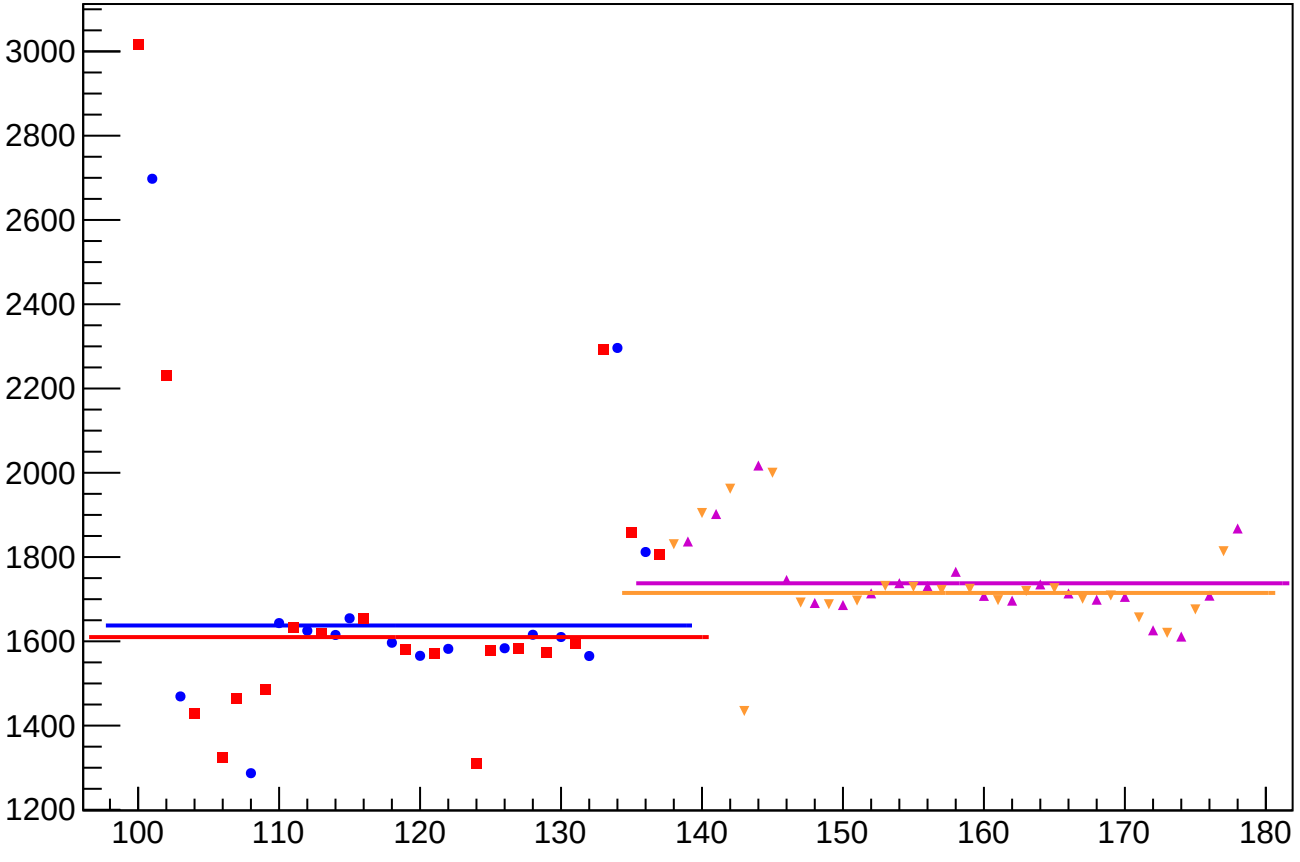
Left In: -180.992+/-430.476 χ^2/NDF:10.0/19

+ sign 667.097+/-347.733 χ^2/NDF: 45.5/36

All: 261.629+/-246.812 χ^2/NDF: 78.9/75

- sign -150.017+/-350.372 χ^2/NDF: 30.7/38

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1714.835+/-0.298 χ^2/NDF:146793.7/20

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

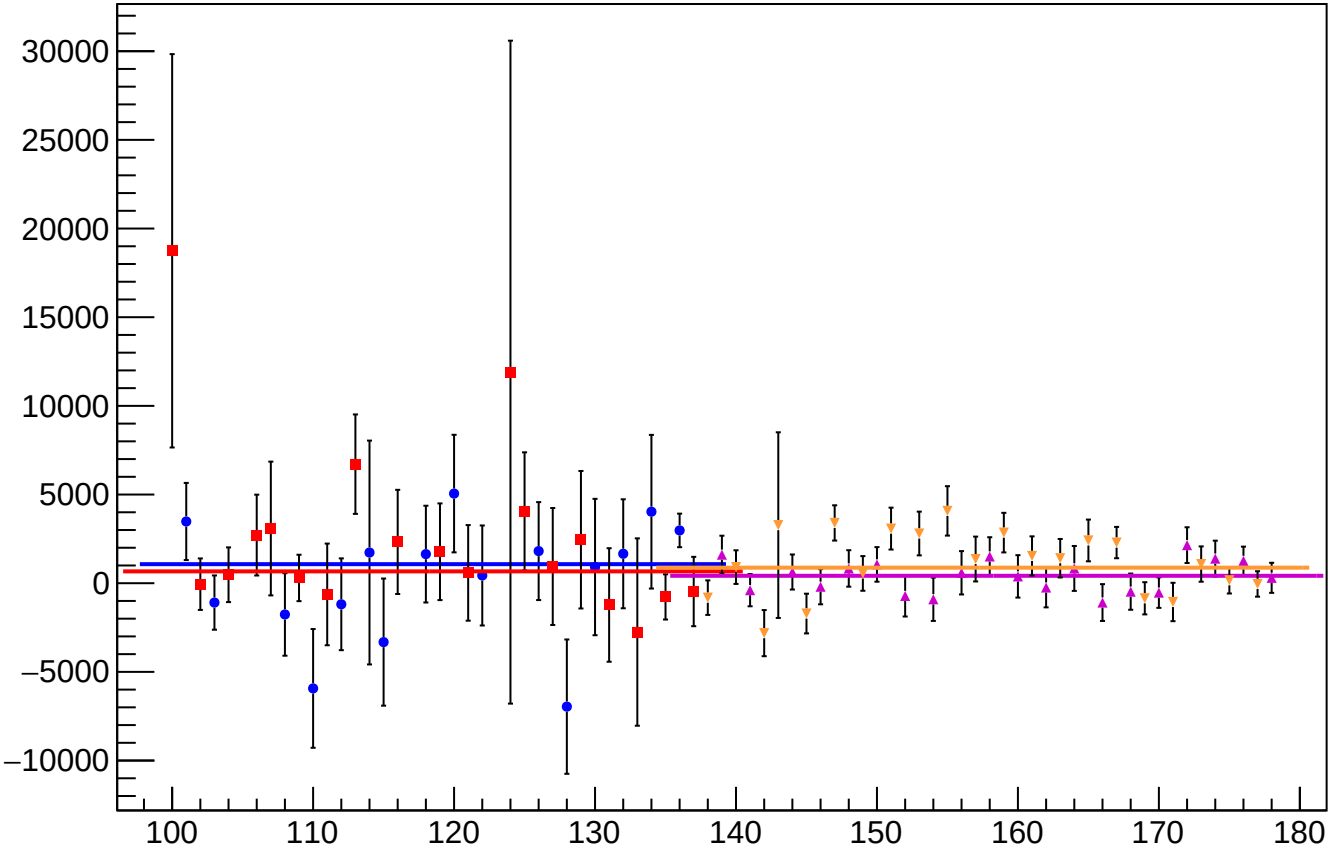
Left In: 1737.724+/-0.304 χ^2/NDF:85925.2/19

+ sign 1690.313+/-0.246 χ^2/NDF: 529601.3/36

All: 1692.454+/-0.175 χ^2/NDF: 955880.7/75

- sign 1694.627+/-0.248 χ^2/NDF: 426126.7/38

asym_at2_dd_eigen_dit_correction_mean vs Slug



Right In: 1073.589+/-571.613 χ^2/NDF: 22.0/15

Left Out: 876.467+/-226.739 χ^2/NDF:51.9/20

Right Out: 667.789+/-523.481 χ^2/NDF: 13.6/18

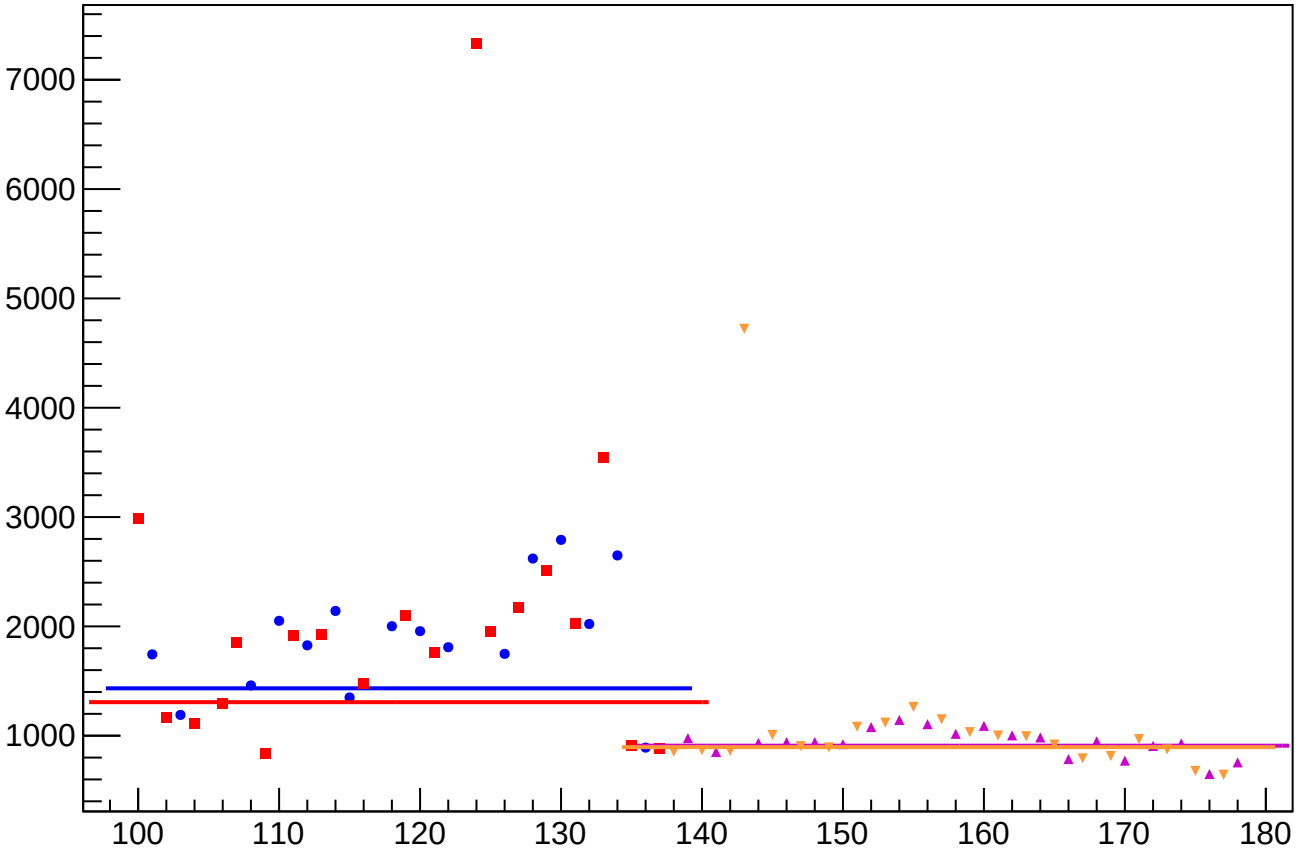
Left In: 417.805+/-227.493 χ^2/NDF:15.8/19

+ sign 903.266+/-210.763 χ^2/NDF: 74.0/36

All: 678.138+/-148.277 χ^2/NDF: 105.8/75

- sign 457.517+/-208.643 χ^2/NDF: 29.5/38

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1433.492+/-0.404 χ^2/NDF: 1763397.4/15

Left Out: 895.361+/-0.160 χ^2/NDF:1969642.0/20

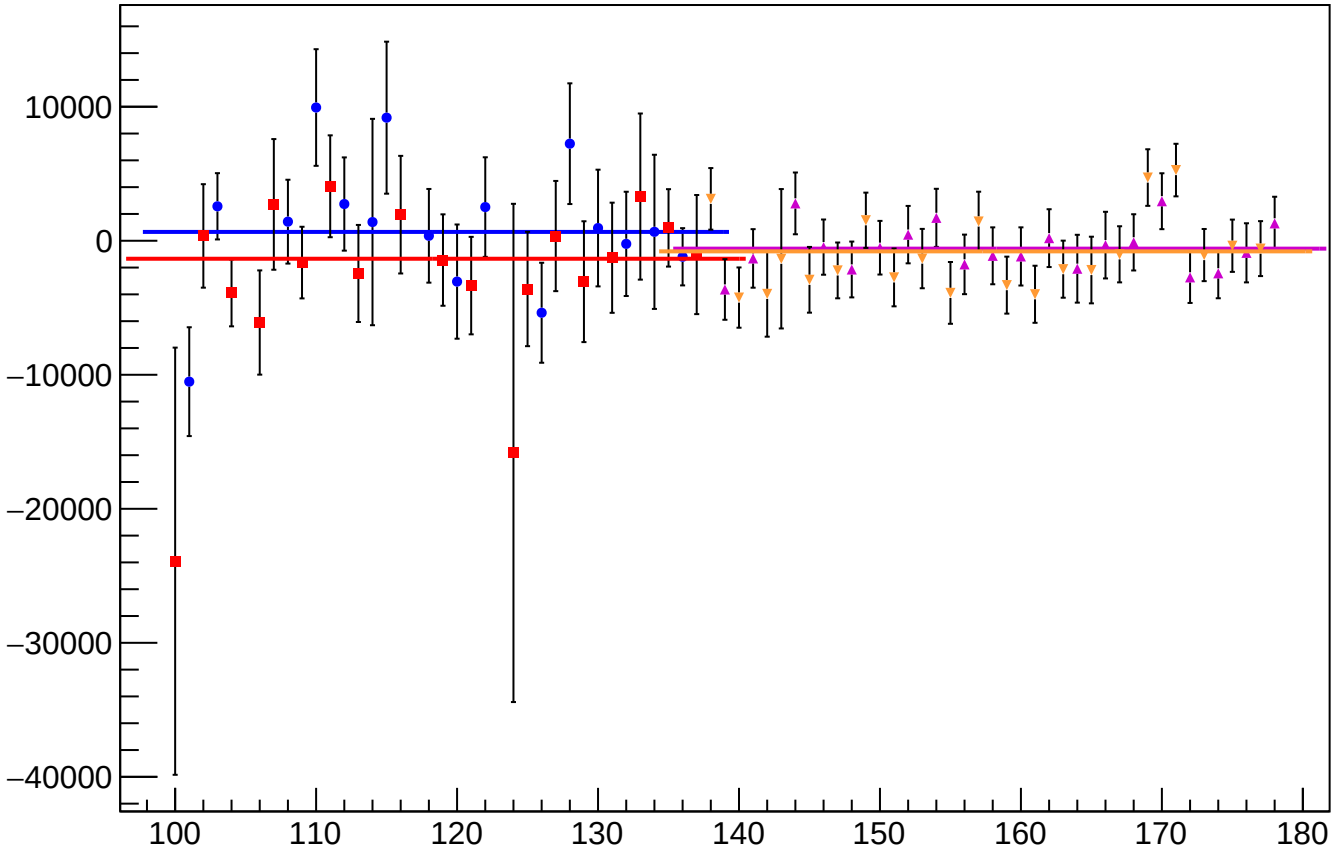
Right Out: 1306.880+/-0.370 χ^2/NDF: 2183835.0/18

Left In: 908.738+/-0.161 χ^2/NDF:634518.6/19

+ sign 968.522+/-0.149 χ^2/NDF: 5264619.2/36

All: 970.271+/-0.105 χ^2/NDF: 9056382.3/75

- sign 971.985+/-0.148 χ^2/NDF: 3791490.3/38



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -791.122+/-484.223 χ^2/NDF:33.2/20

Right Out: -1341.998+/-890.576 χ^2/NDF: 10.8/18

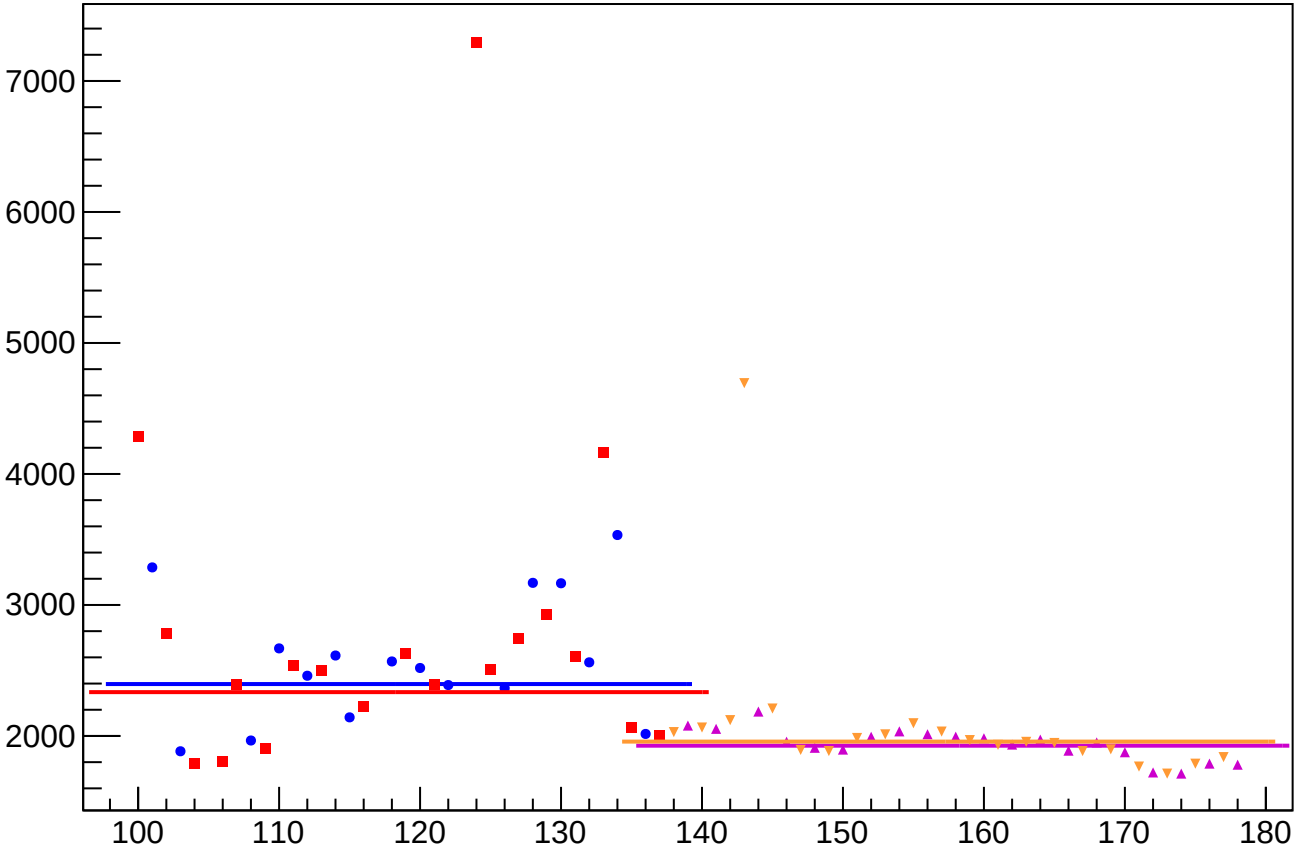
Left In: -588.232+/-477.338 χ^2/NDF:13.0/19

+ sign -470.794+/-427.428 χ^2/NDF: 57.2/36

All: -615.883+/-299.836 χ^2/NDF: 81.8/75

- sign -756.451+/-420.716 χ^2/NDF: 24.4/38

asym_at2_dd_rms vs Slug



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 1956.978+/-0.342 χ^2/NDF:678601.0/20

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

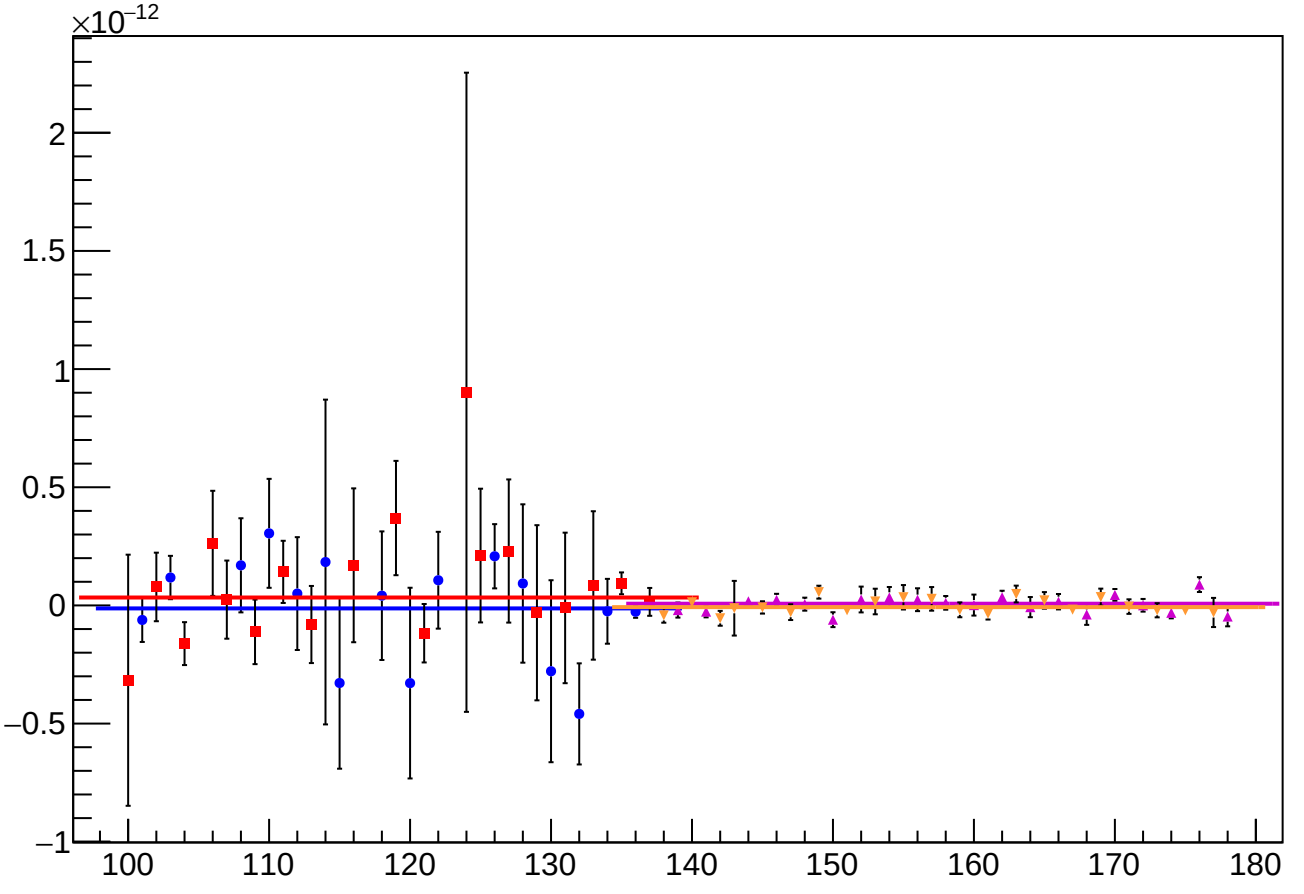
Left In: 1925.800+/-0.338 χ^2/NDF:126401.2/19

+ sign 2053.987+/-0.302 χ^2/NDF: 1550003.2/36

All: 2035.217+/-0.212 χ^2/NDF: 2692925.4/75

- sign 2017.032+/-0.297 χ^2/NDF: 1135328.6/38

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:19.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

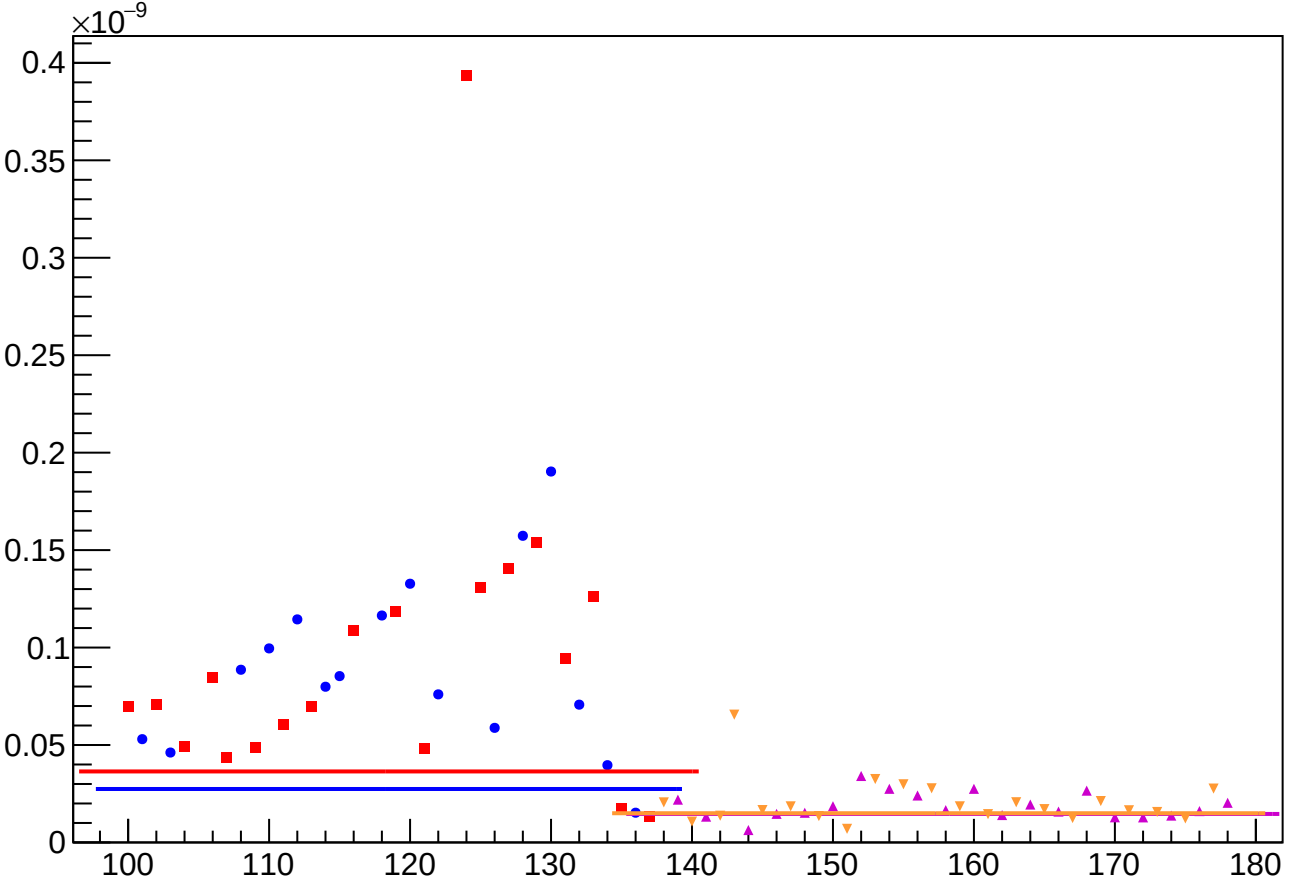
Left In: 0.000+/-0.000 χ^2/NDF:24.3/19

+ sign -0.000+/-0.000 χ^2/NDF: 34.2/36

All: 0.000+/-0.000 χ^2/NDF: 77.9/75

- sign 0.000+/-0.000 χ^2/NDF: 40.3/38

asym_at2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1768138.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

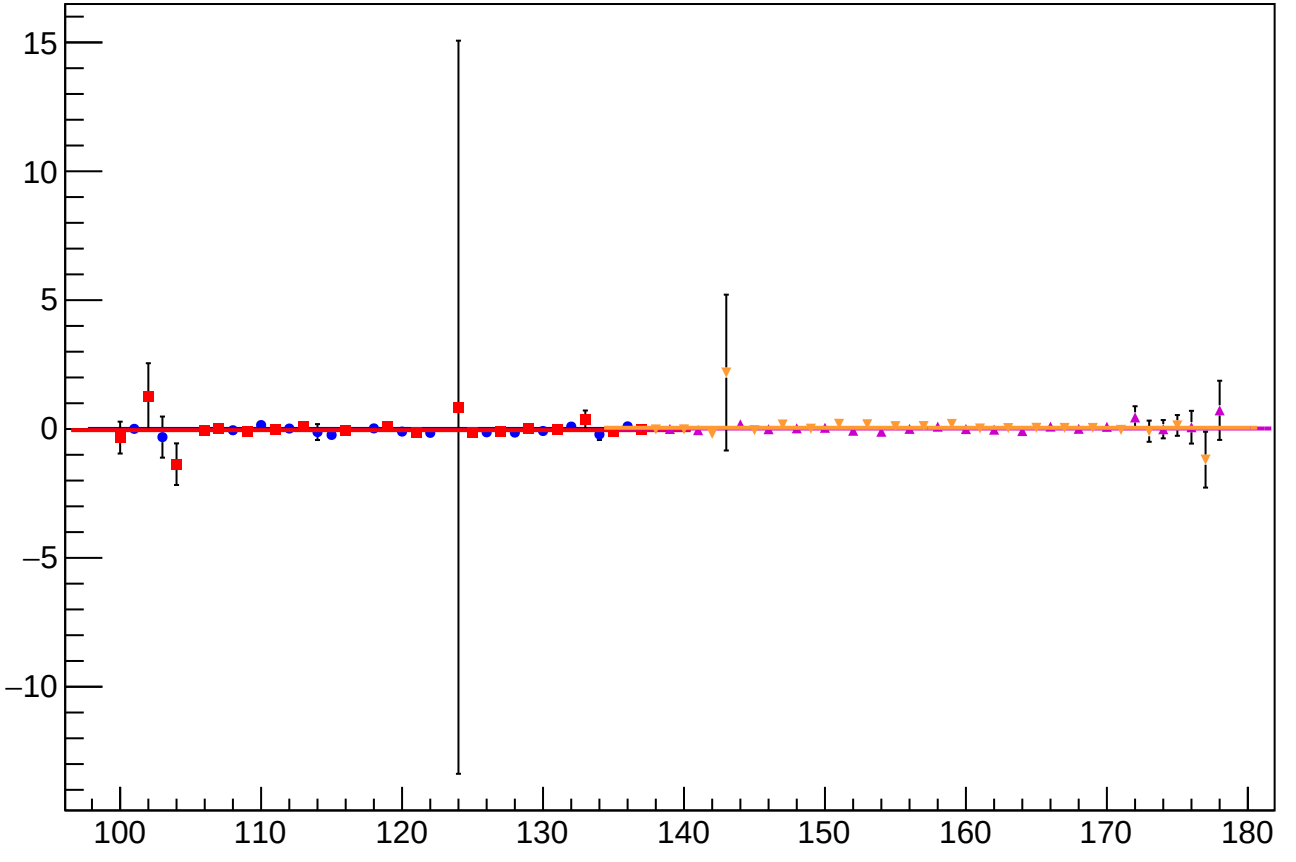
Left In: 0.000+/-0.000 χ^2/NDF:1783181.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 5078148.3/36

All: 0.000+/-0.000 χ^2/NDF: 10459582.3/75

- sign 0.000+/-0.000 χ^2/NDF: 5380170.4/38

asym_at2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:21.2/20

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

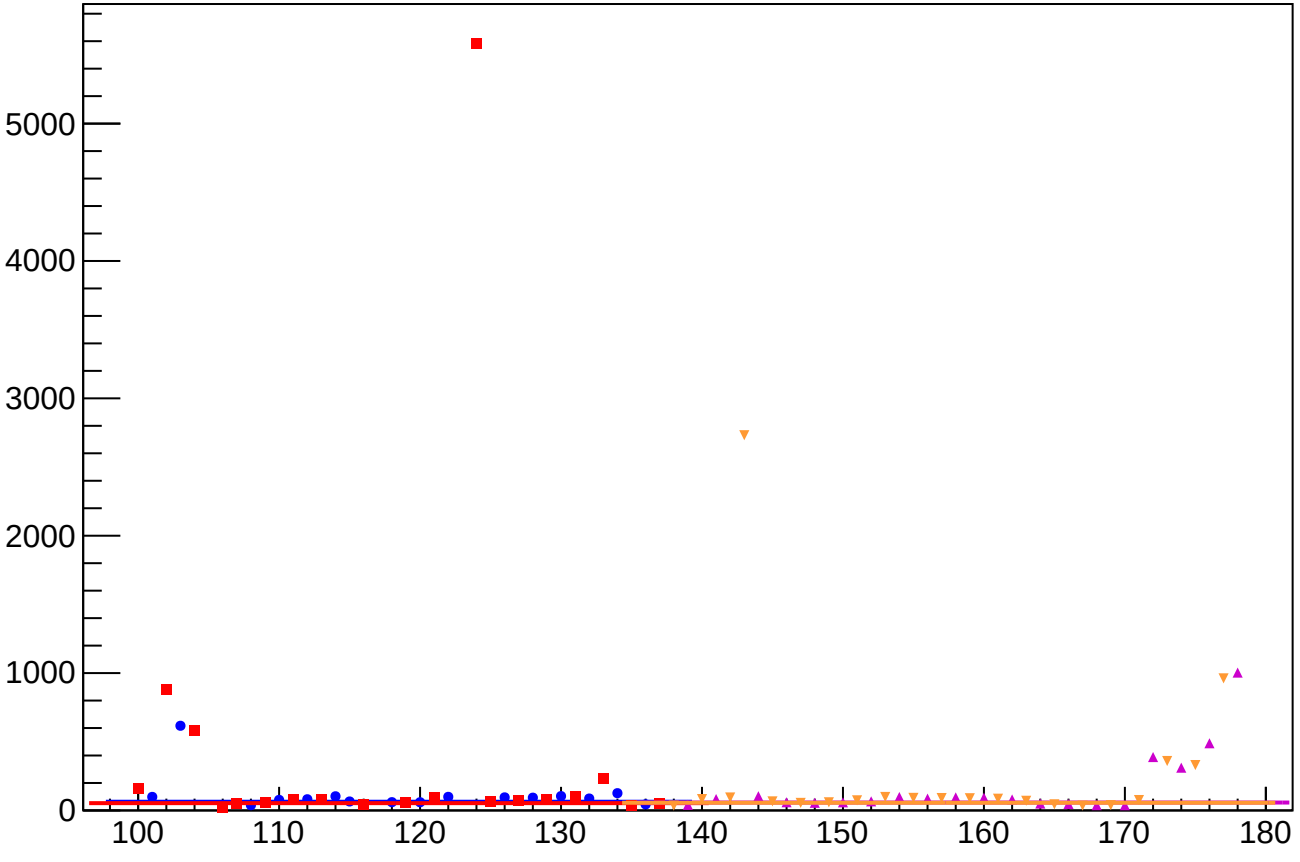
Left In: 0.020+/-0.017 χ^2/NDF:13.1/19

+ sign 0.036+/-0.014 χ^2/NDF: 36.5/36

All: 0.017+/-0.010 χ^2/NDF: 70.0/75

- sign -0.000+/-0.014 χ^2/NDF: 30.3/38

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 56.091+/-0.012 χ^2/NDF:7977232.0/20

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

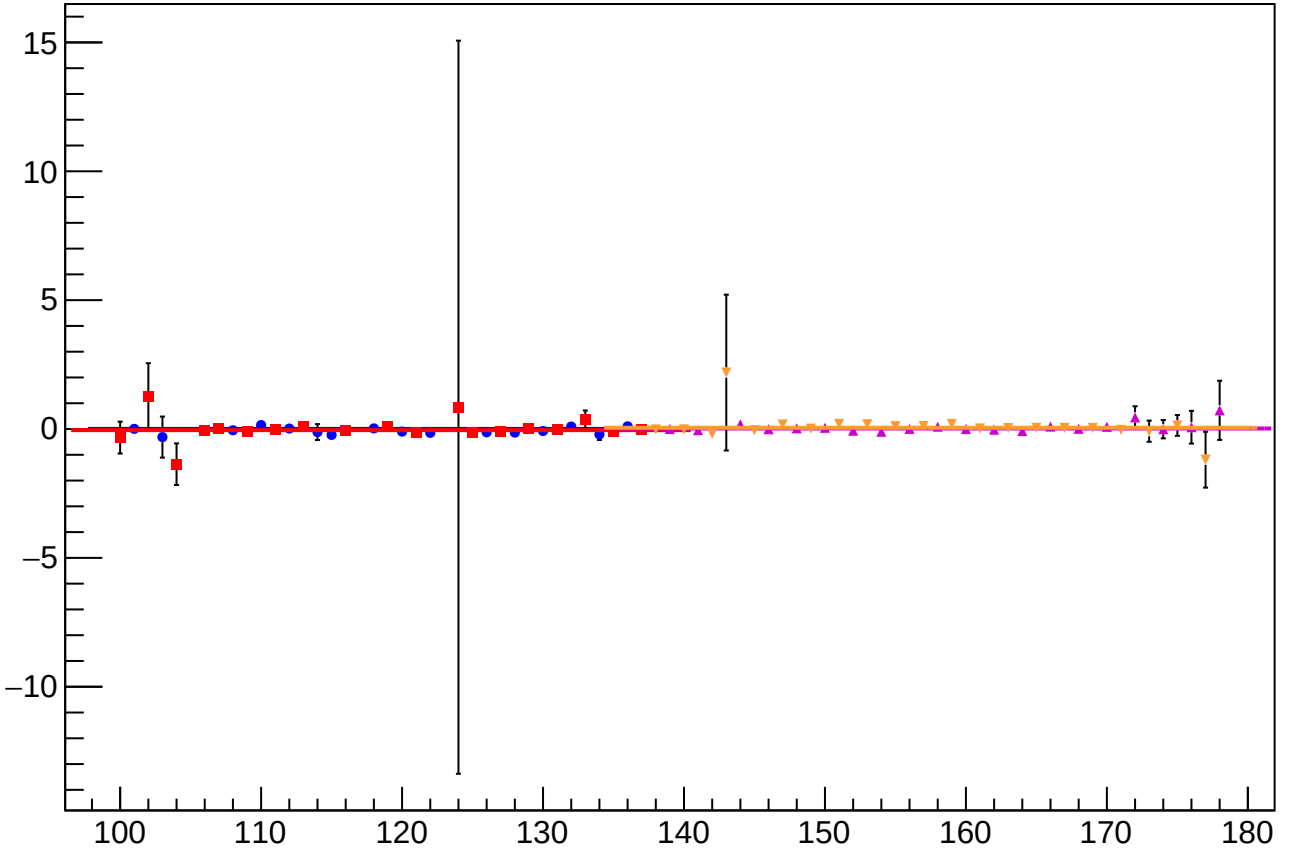
Left In: 57.621+/-0.012 χ^2/NDF:7147036.1/19

+ sign 58.166+/-0.010 χ^2/NDF: 10527633.5/36

All: 57.158+/-0.007 χ^2/NDF: 21682274.2/75

- sign 56.196+/-0.010 χ^2/NDF: 11135597.9/38

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: 0.049+/-0.017 χ^2/NDF:21.2/20

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

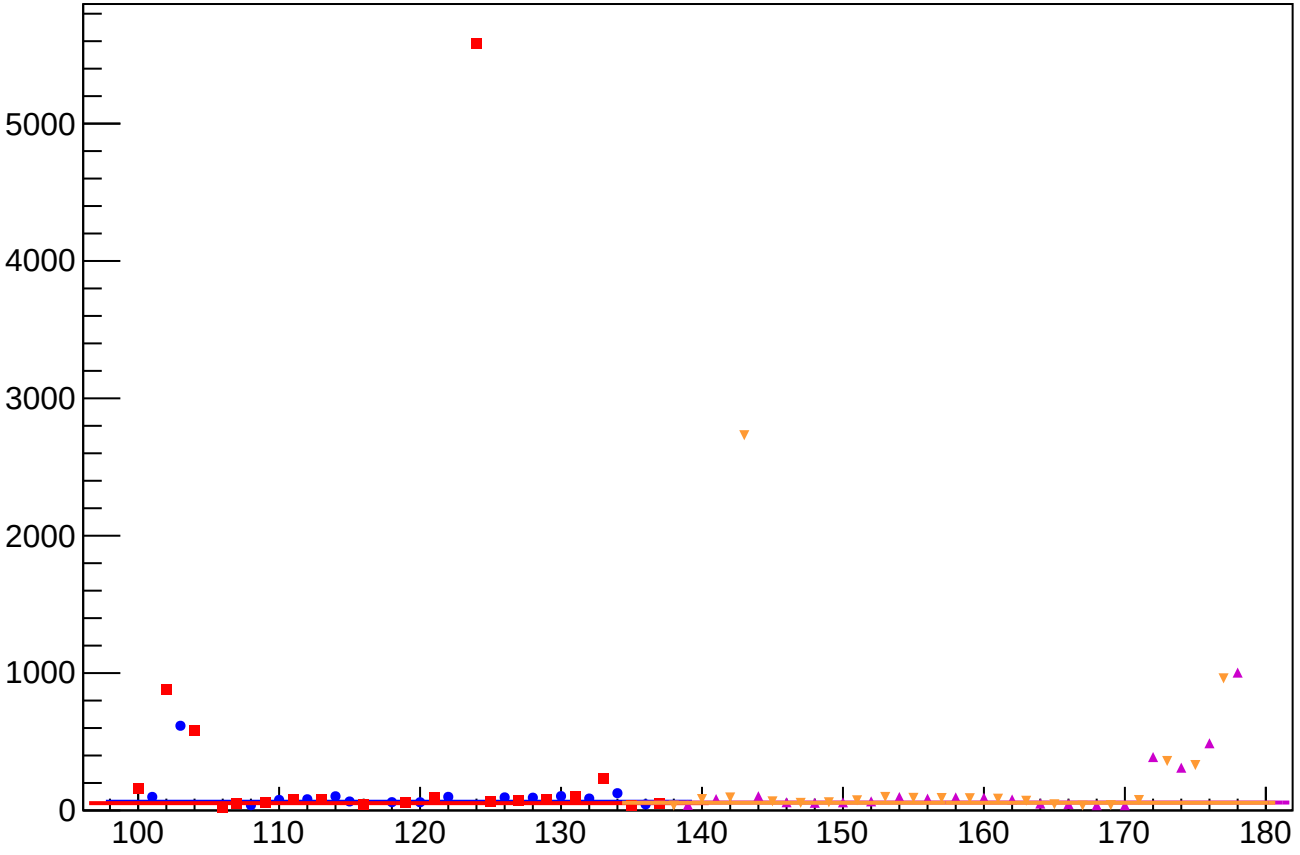
Left In: 0.020+/-0.017 χ^2/NDF:13.1/19

+ sign 0.036+/-0.014 χ^2/NDF: 36.5/36

All: 0.017+/-0.010 χ^2/NDF: 70.0/75

- sign -0.000+/-0.014 χ^2/NDF: 30.3/38

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: 56.091+/-0.012 χ^2/NDF:7977232.0/20

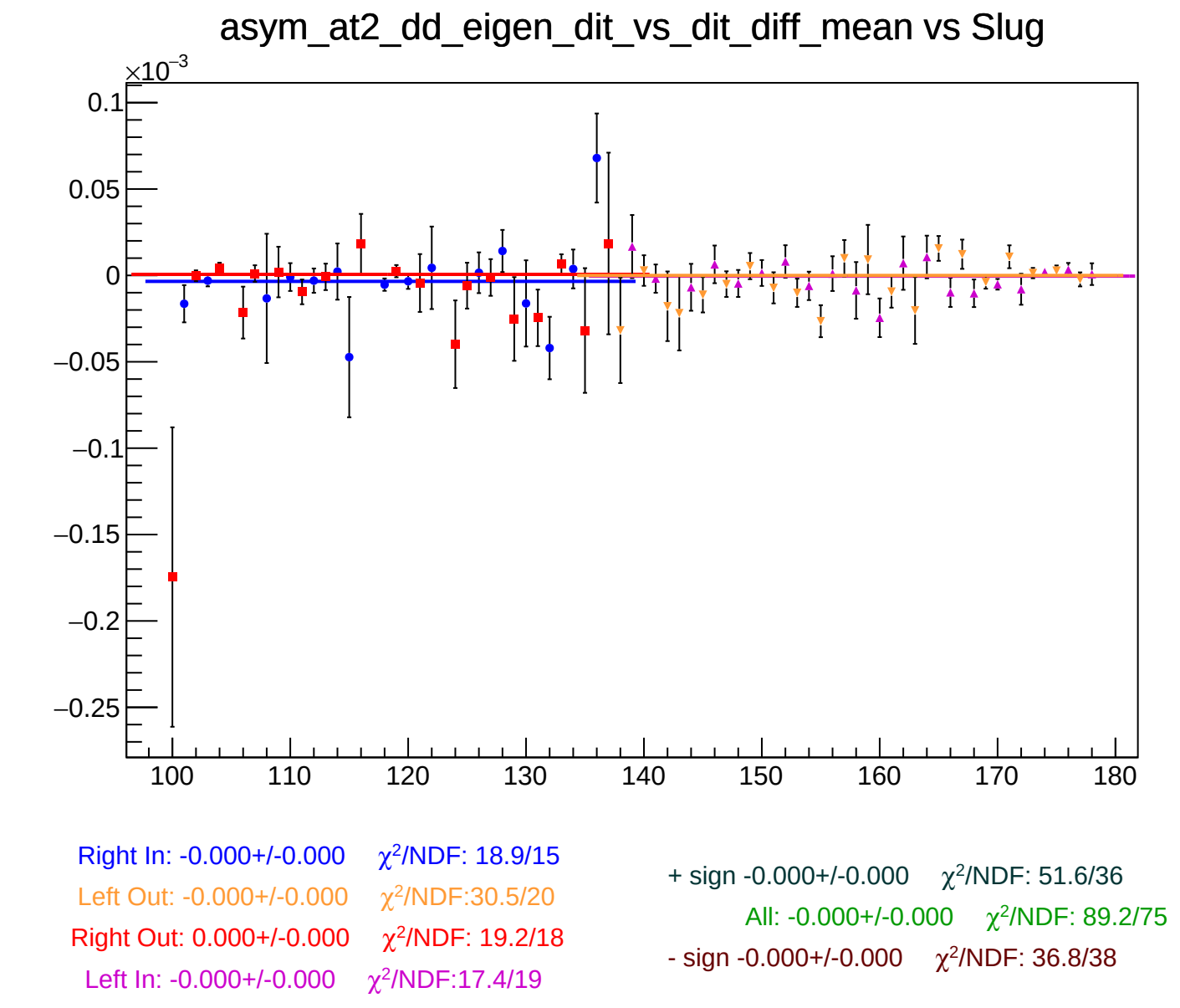
Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

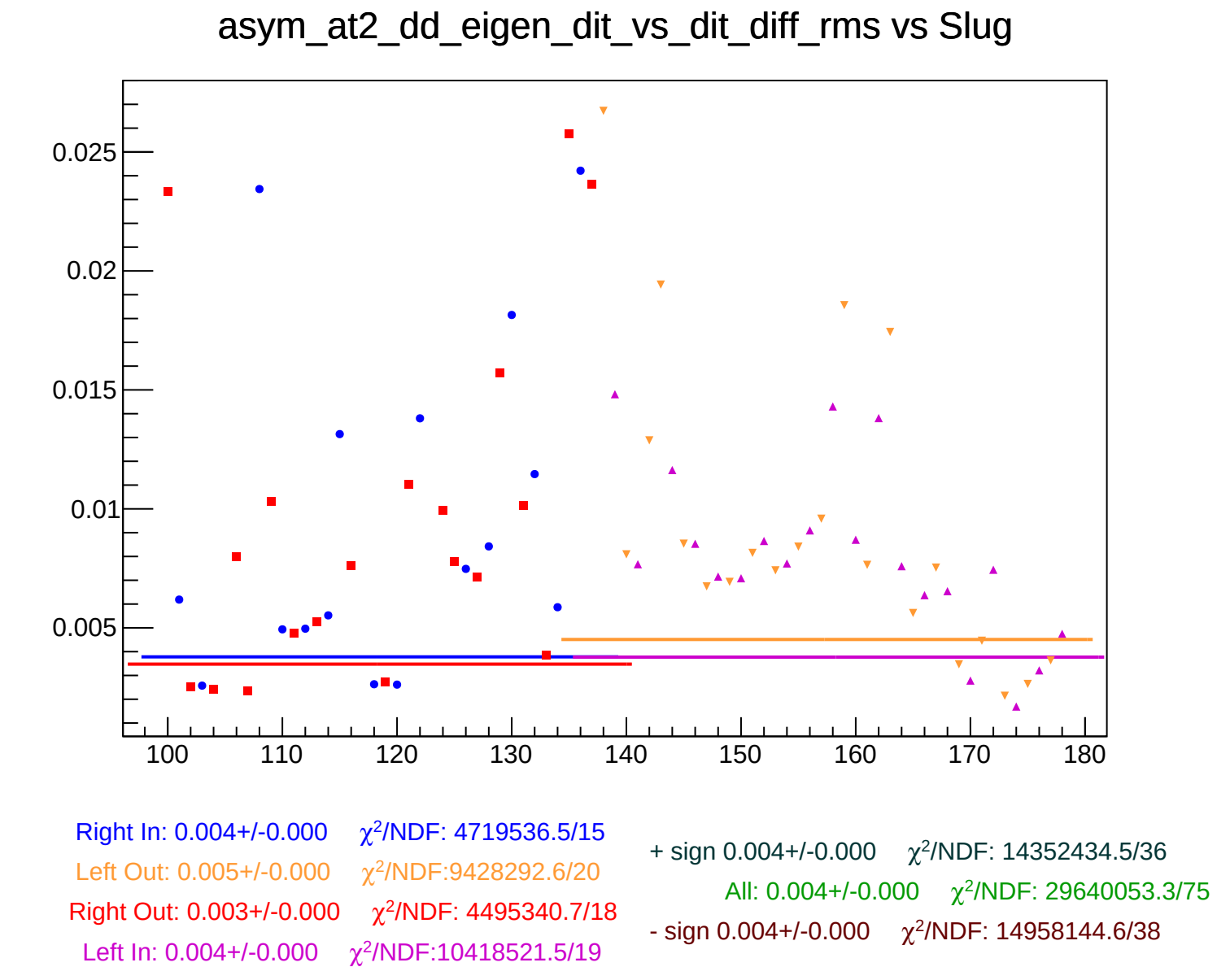
Left In: 57.621+/-0.012 χ^2/NDF:7147036.1/19

+ sign 58.166+/-0.010 χ^2/NDF: 10527633.5/36

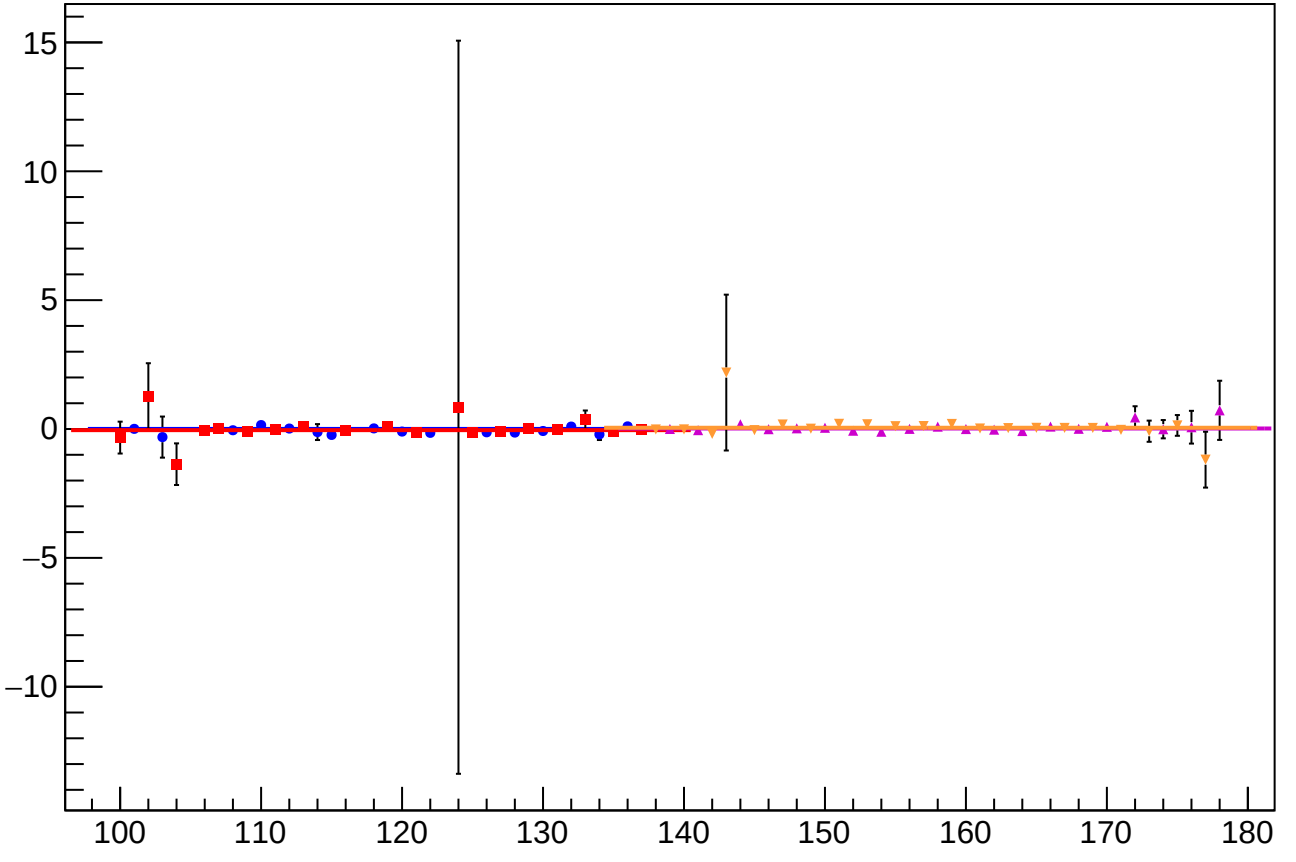
All: 57.158+/-0.007 χ^2/NDF: 21682274.2/75

- sign 56.196+/-0.010 χ^2/NDF: 11135597.9/38


asym_at2_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10^−3
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 18.9/15
Left Out: -0.000+/-0.000 χ²/NDF:30.5/20
Right Out: 0.000+/-0.000 χ²/NDF: 19.2/18
Left In: -0.000+/-0.000 χ²/NDF:17.4/19
+ sign -0.000+/-0.000 χ²/NDF: 51.6/36
All: -0.000+/-0.000 χ²/NDF: 89.2/75
- sign -0.000+/-0.000 χ²/NDF: 36.8/38


asym_at2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
Right In: 0.004+/-0.000 χ²/NDF: 4719536.5/15
Left Out: 0.005+/-0.000 χ²/NDF:9428292.6/20
Right Out: 0.003+/-0.000 χ²/NDF: 4495340.7/18
Left In: 0.004+/-0.000 χ²/NDF:10418521.5/19
+ sign 0.004+/-0.000 χ²/NDF: 14352434.5/36
All: 0.004+/-0.000 χ²/NDF: 29640053.3/75
- sign 0.004+/-0.000 χ²/NDF: 14958144.6/38

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: 0.049+/-0.017 χ^2/NDF:21.2/20

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

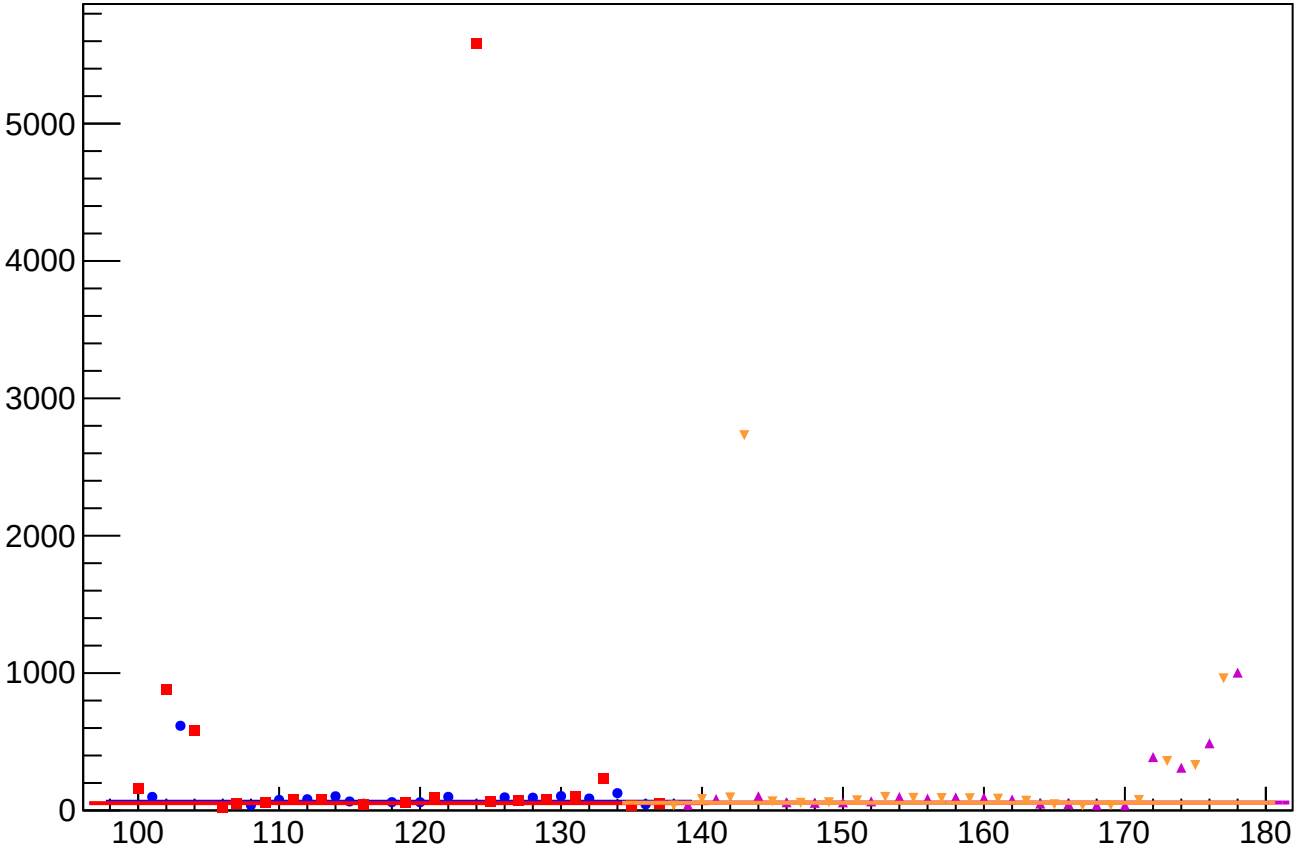
Left In: 0.020+/-0.017 χ^2/NDF:13.1/19

+ sign 0.036+/-0.014 χ^2/NDF: 36.5/36

All: 0.017+/-0.010 χ^2/NDF: 70.0/75

- sign -0.000+/-0.014 χ^2/NDF: 30.3/38

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: 56.090+/-0.012 χ^2/NDF:7976960.9/20

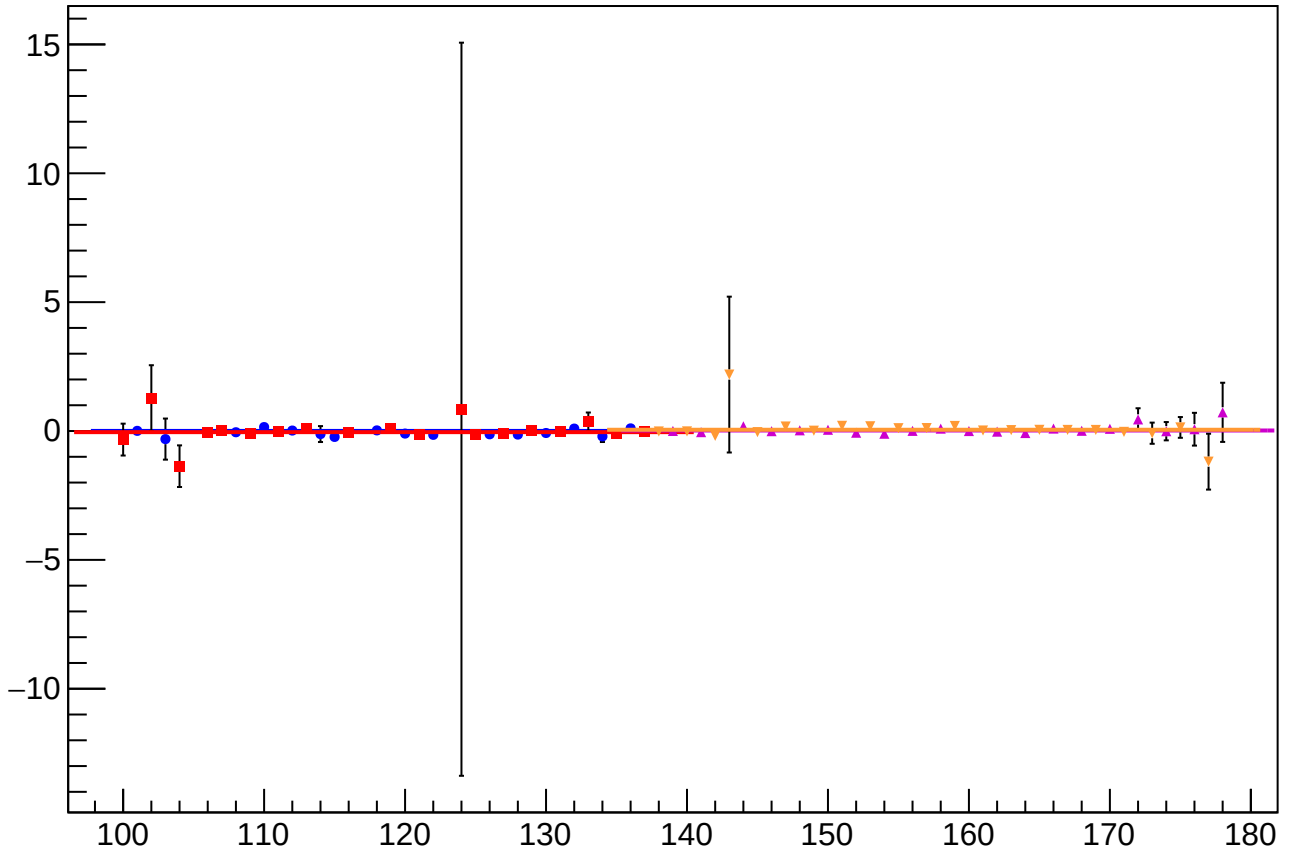
Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 57.623+/-0.012 χ^2/NDF:7146562.3/19

+ sign 58.168+/-0.010 χ^2/NDF: 10526737.5/36

All: 57.158+/-0.007 χ^2/NDF: 21681631.0/75

- sign 56.195+/-0.010 χ^2/NDF: 11135820.1/38



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:21.2/20

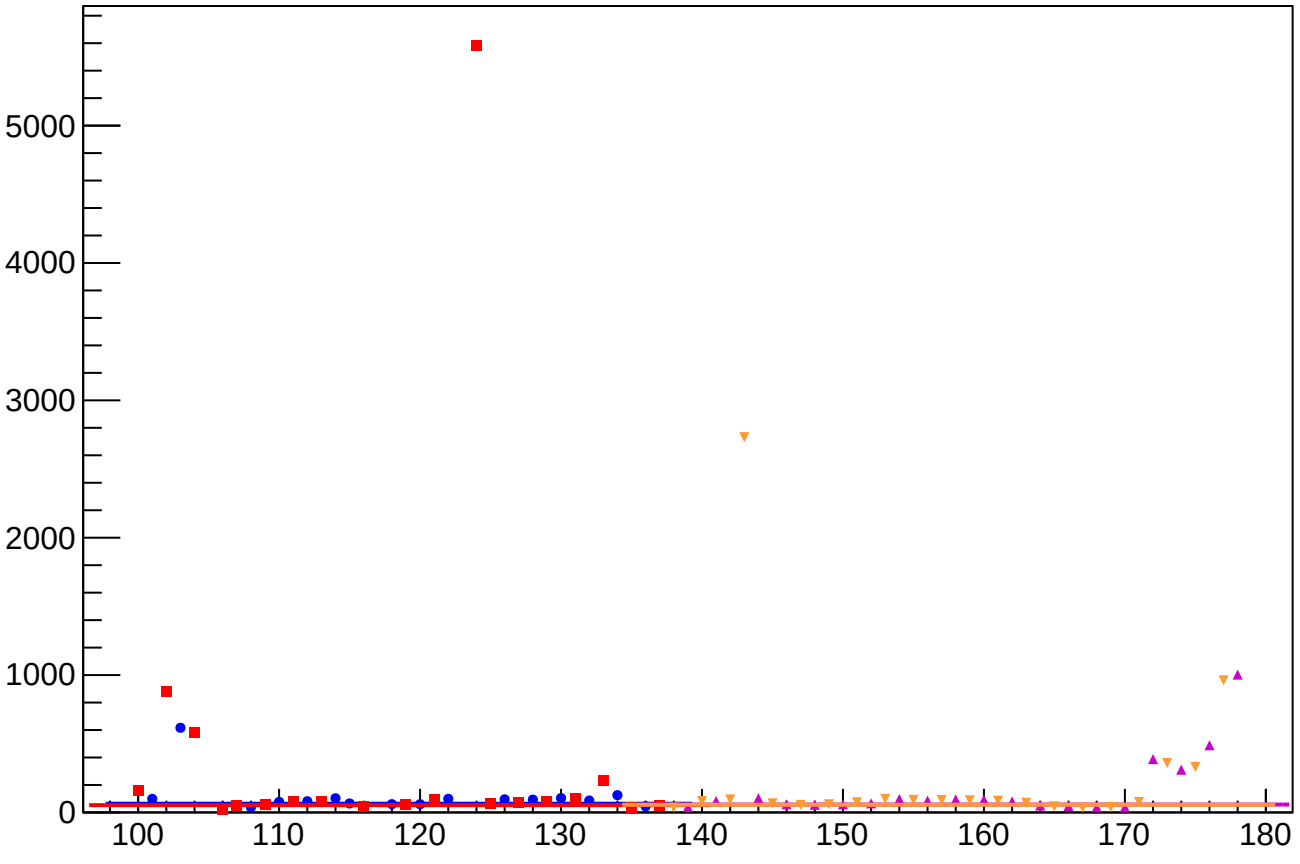
Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: 0.020+/-0.017 χ^2/NDF:13.1/19

+ sign 0.036+/-0.014 χ^2/NDF: 36.5/36

All: 0.017+/-0.010 χ^2/NDF: 70.0/75

- sign -0.000+/-0.014 χ^2/NDF: 30.3/38



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 56.090+/-0.012 χ^2/NDF:7976960.9/20

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

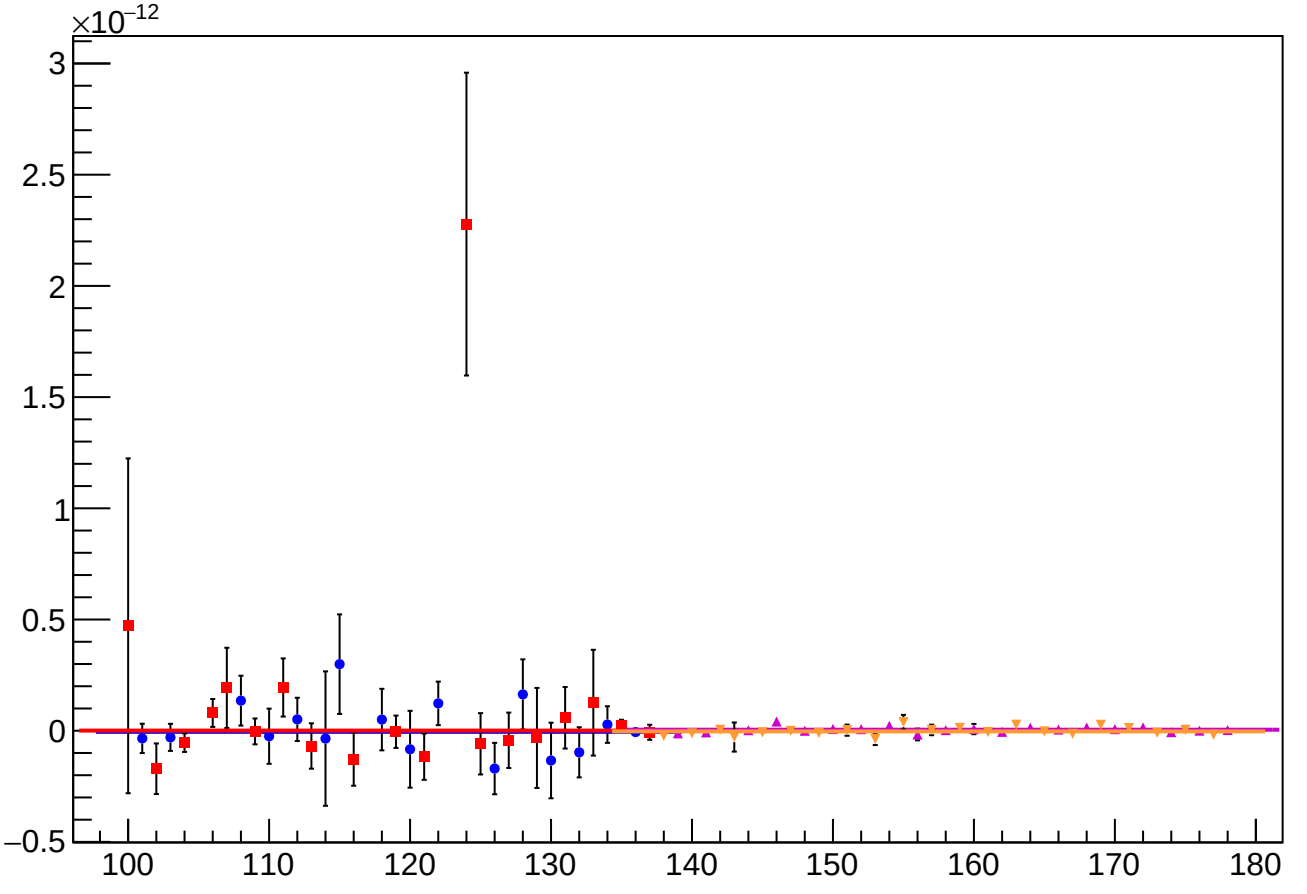
Left In: 57.623+/-0.012 χ^2/NDF:7146562.3/19

+ sign 58.168+/-0.010 χ^2/NDF: 10526737.5/36

All: 57.158+/-0.007 χ^2/NDF: 21681631.0/75

- sign 56.195+/-0.010 χ^2/NDF: 11135820.1/38

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:14.3/20

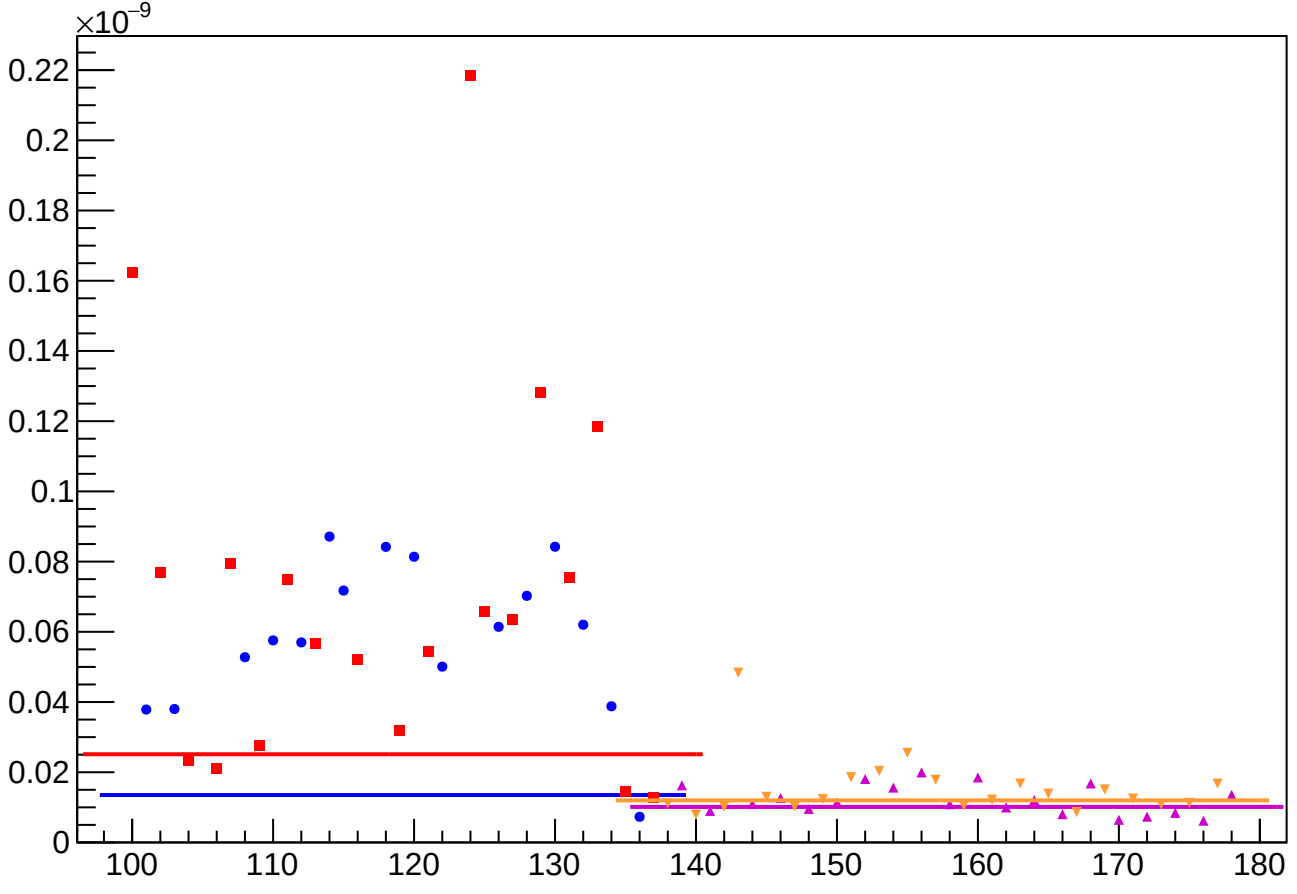
Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:11.1/19

+ sign -0.000+/-0.000 χ^2/NDF: 25.2/36

All: 0.000+/-0.000 χ^2/NDF: 64.0/75

- sign 0.000+/-0.000 χ^2/NDF: 36.2/38



Right In: 0.000+/-0.000 χ^2/NDF: 4993378.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2242196.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 3578472.9/18

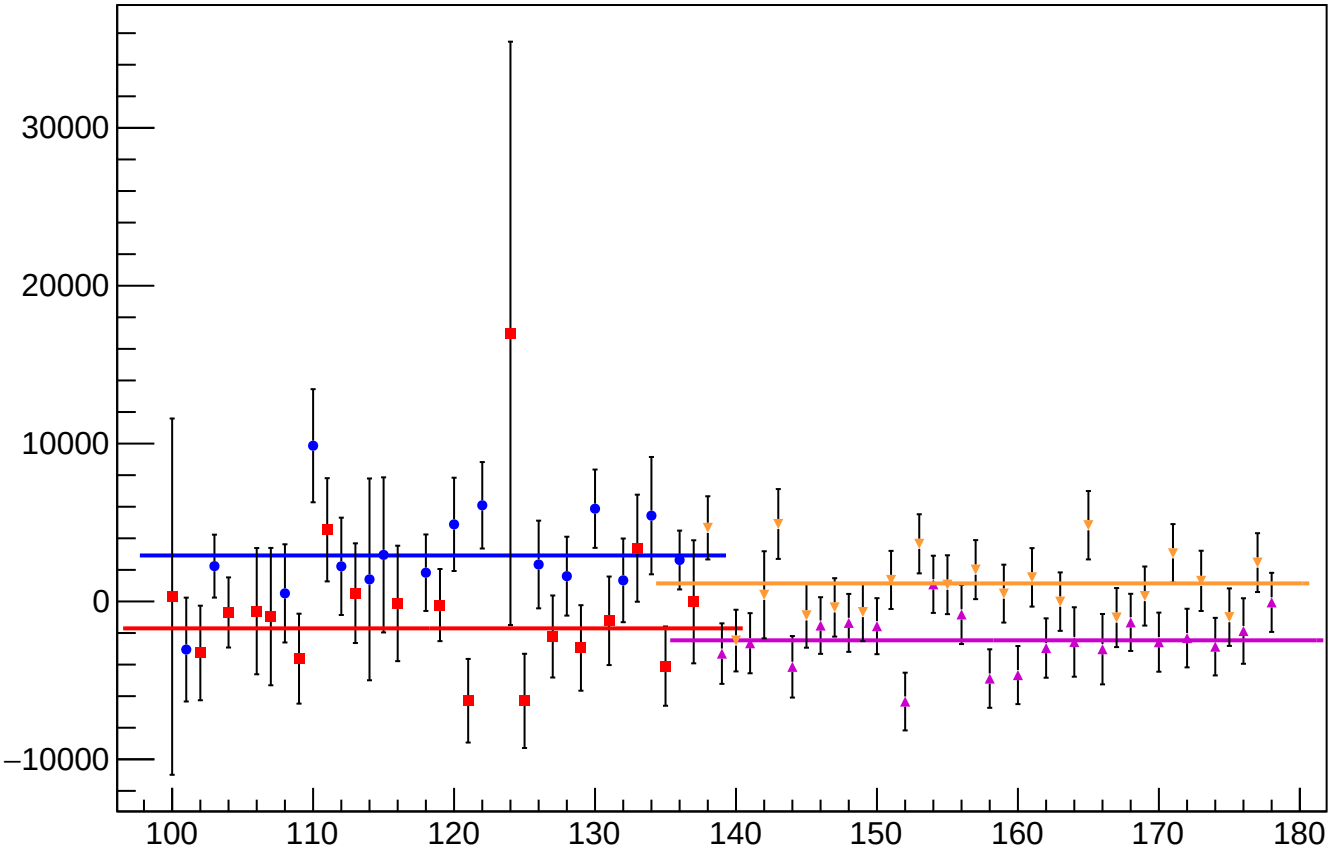
Left In: 0.000+/-0.000 χ^2/NDF:2211703.3/19

+ sign 0.000+/-0.000 χ^2/NDF: 7274433.8/36

All: 0.000+/-0.000 χ^2/NDF: 15123048.5/75

- sign 0.000+/-0.000 χ^2/NDF: 7686968.2/38

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1143.147+/-420.841 χ^2/NDF:22.1/20

Right Out: -1704.904+/-706.846 χ^2/NDF: 15.8/18

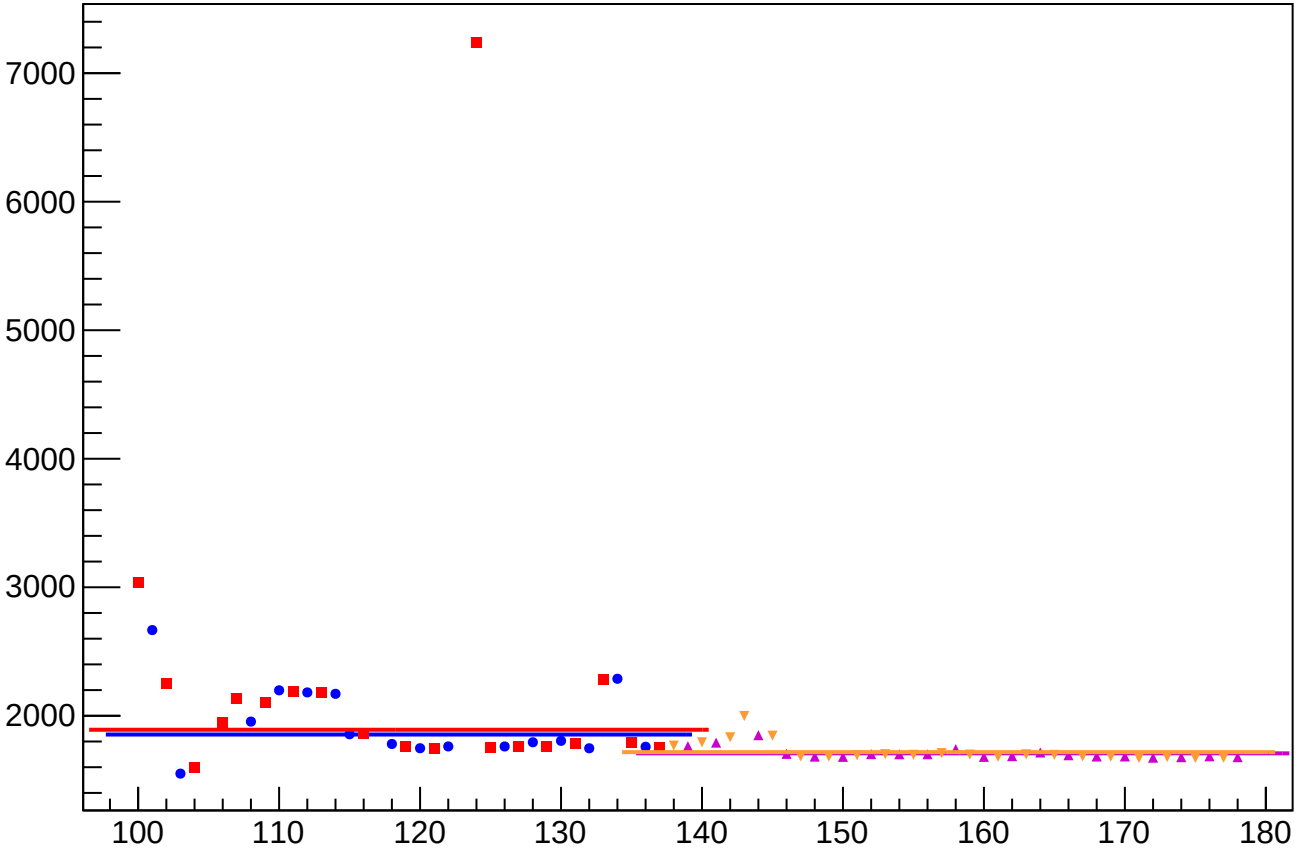
Left In: -2462.724+/-422.563 χ^2/NDF:16.4/19

+ sign 1617.918+/-359.996 χ^2/NDF: 39.2/36

All: -308.154+/-255.504 χ^2/NDF: 130.0/75

- sign -2263.200+/-362.694 χ^2/NDF: 33.1/38

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1717.371+/-0.298 χ^2/NDF:57247.0/20

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

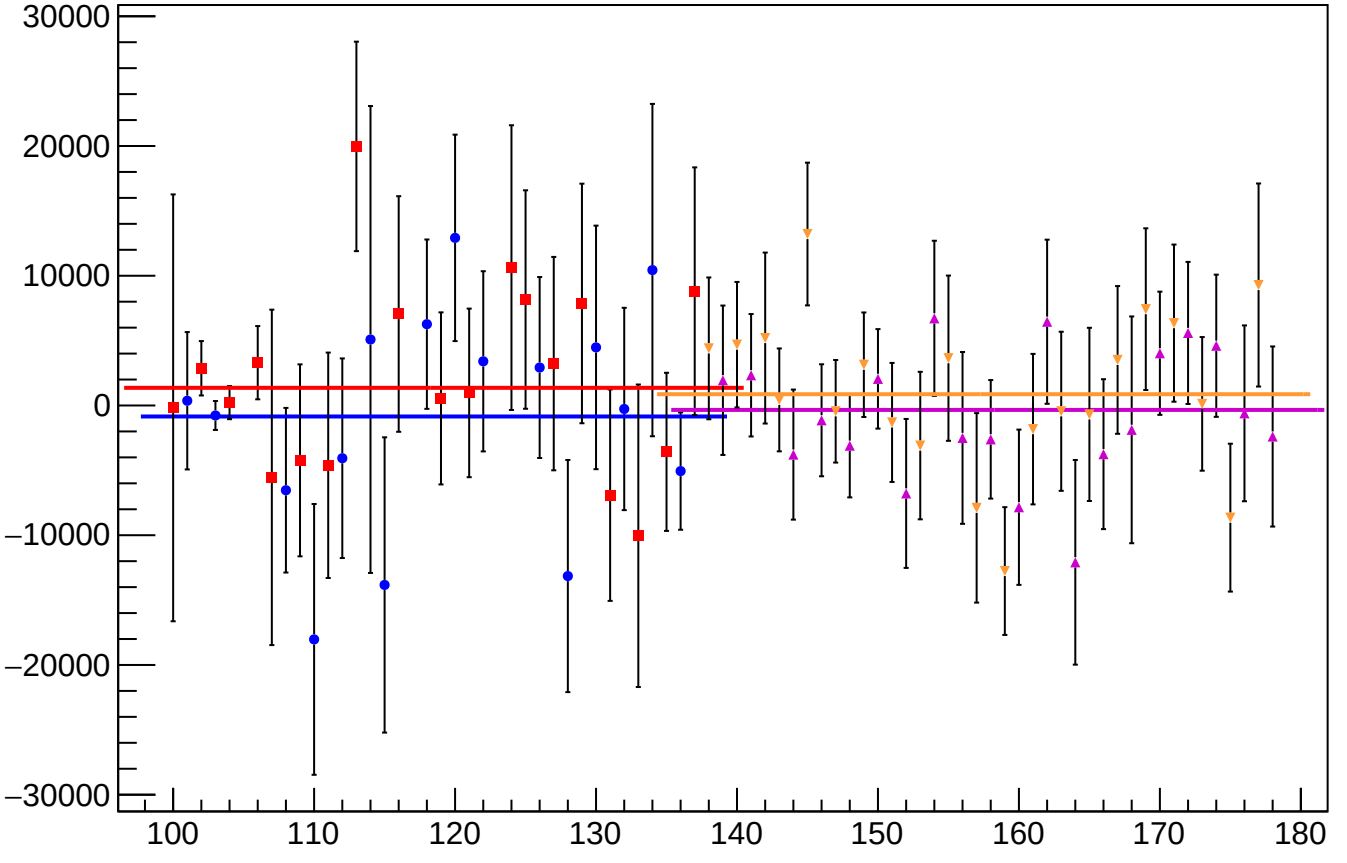
Left In: 1707.866+/-0.299 χ^2/NDF:21041.3/19

+ sign 1754.106+/-0.255 χ^2/NDF: 377379.2/36

All: 1755.231+/-0.181 χ^2/NDF: 862262.4/75

- sign 1756.372+/-0.256 χ^2/NDF: 484843.8/38

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: -847.977+/-962.920 χ^2/NDF: 13.9/15

Left Out: 868.672+/-1168.713 χ^2/NDF:23.4/20

Right Out: 1361.523+/-915.925 χ^2/NDF: 14.0/18

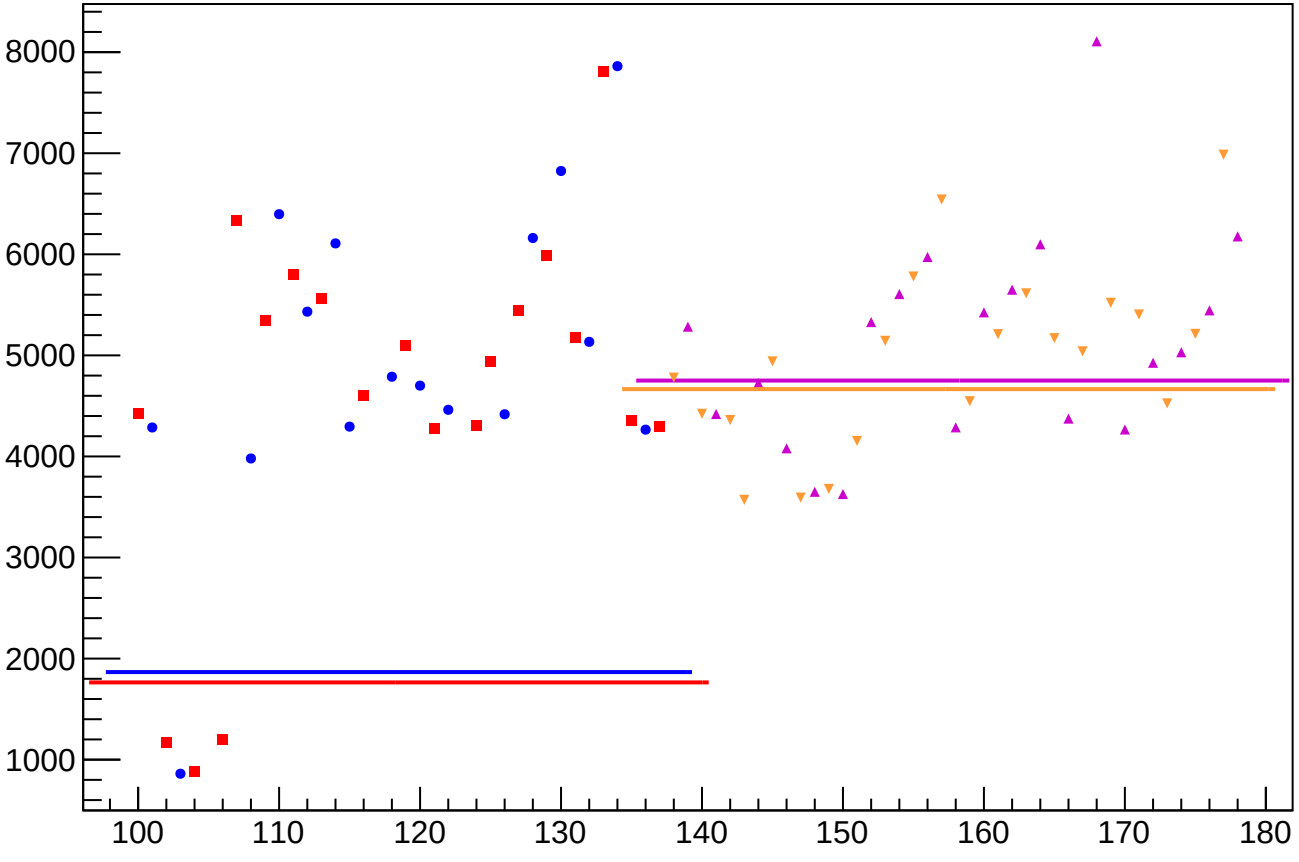
Left In: -342.151+/-1200.221 χ^2/NDF:13.1/19

+ sign -153.852+/-743.166 χ^2/NDF: 38.5/36

All: 299.410+/-520.099 χ^2/NDF: 67.6/75

- sign 734.510+/-728.125 χ^2/NDF: 28.4/38

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4666.221+/-0.826 χ^2/NDF:1017352.6/20

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

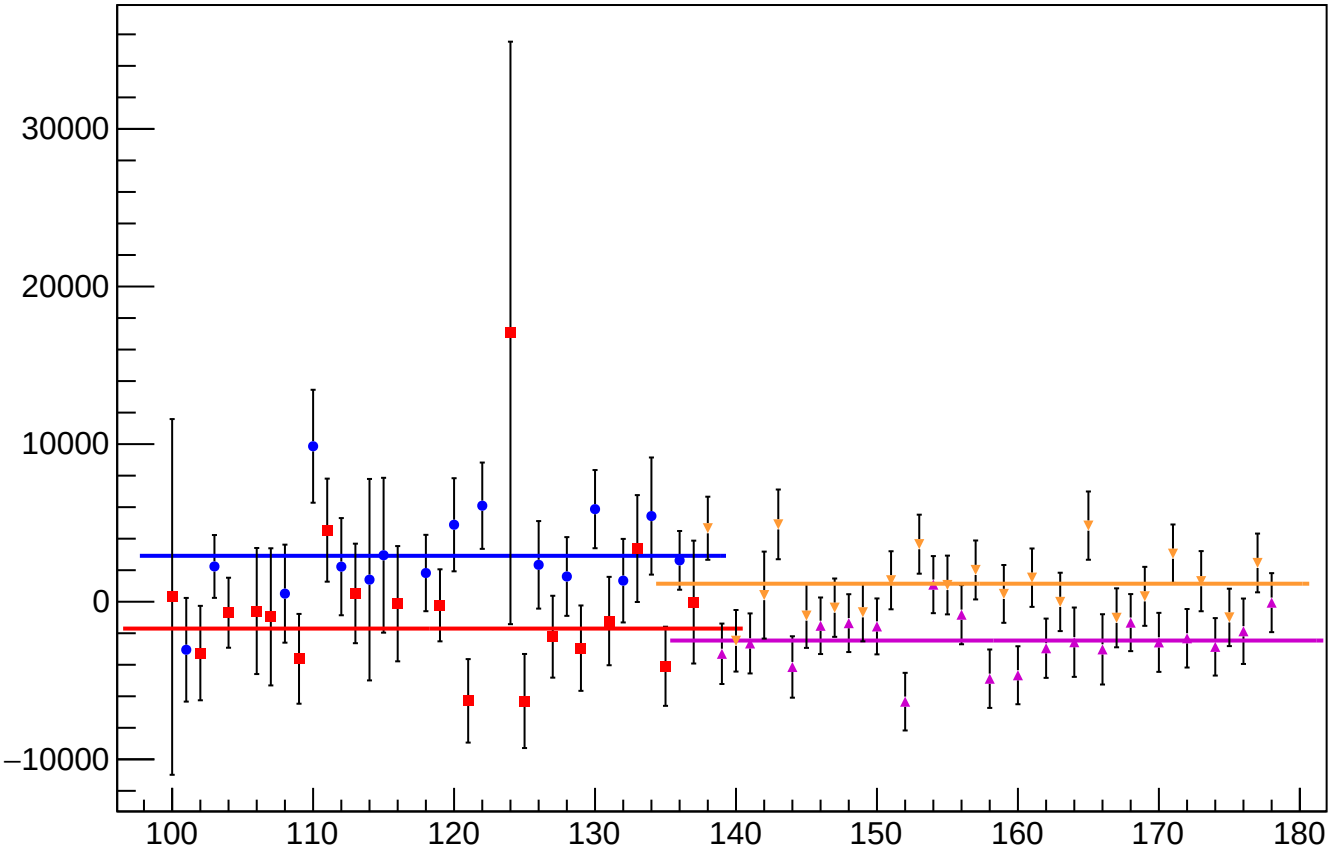
Left In: 4750.807+/-0.849 χ^2/NDF:1110491.3/19

+ sign 2998.507+/-0.525 χ^2/NDF: 14703981.8/36

All: 2929.587+/-0.368 χ^2/NDF: 30108867.7/7

- sign 2863.429+/-0.515 χ^2/NDF: 15371173.9/38

cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1143.042+/-420.841 χ^2/NDF:22.1/20

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

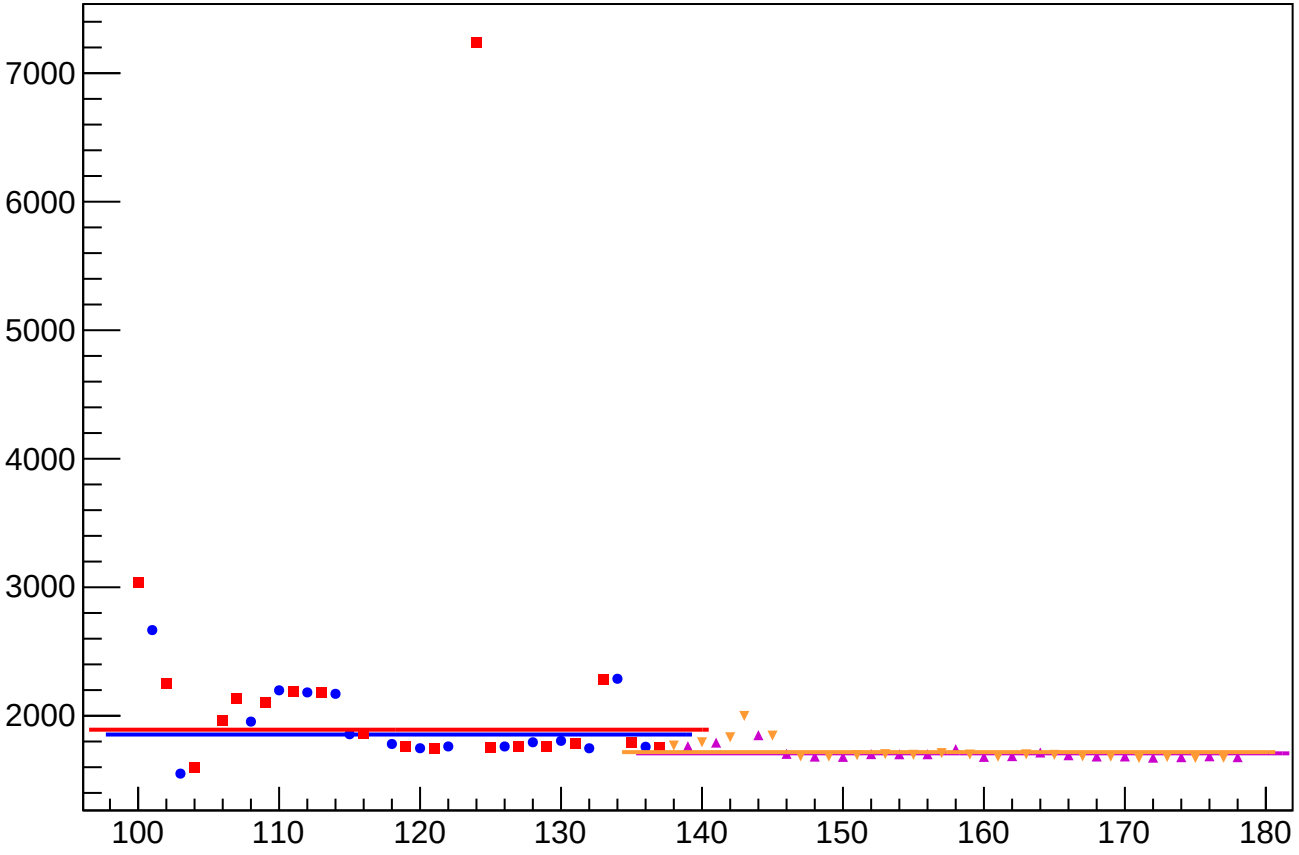
Left In: -2462.678+/-422.563 χ^2/NDF:16.4/19

+ sign 1617.868+/-359.996 χ^2/NDF: 39.2/36

All: -307.982+/-255.504 χ^2/NDF: 130.0/75

- sign -2262.802+/-362.694 χ^2/NDF: 33.1/38

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1717.371+/-0.298 χ^2/NDF:57247.0/20

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

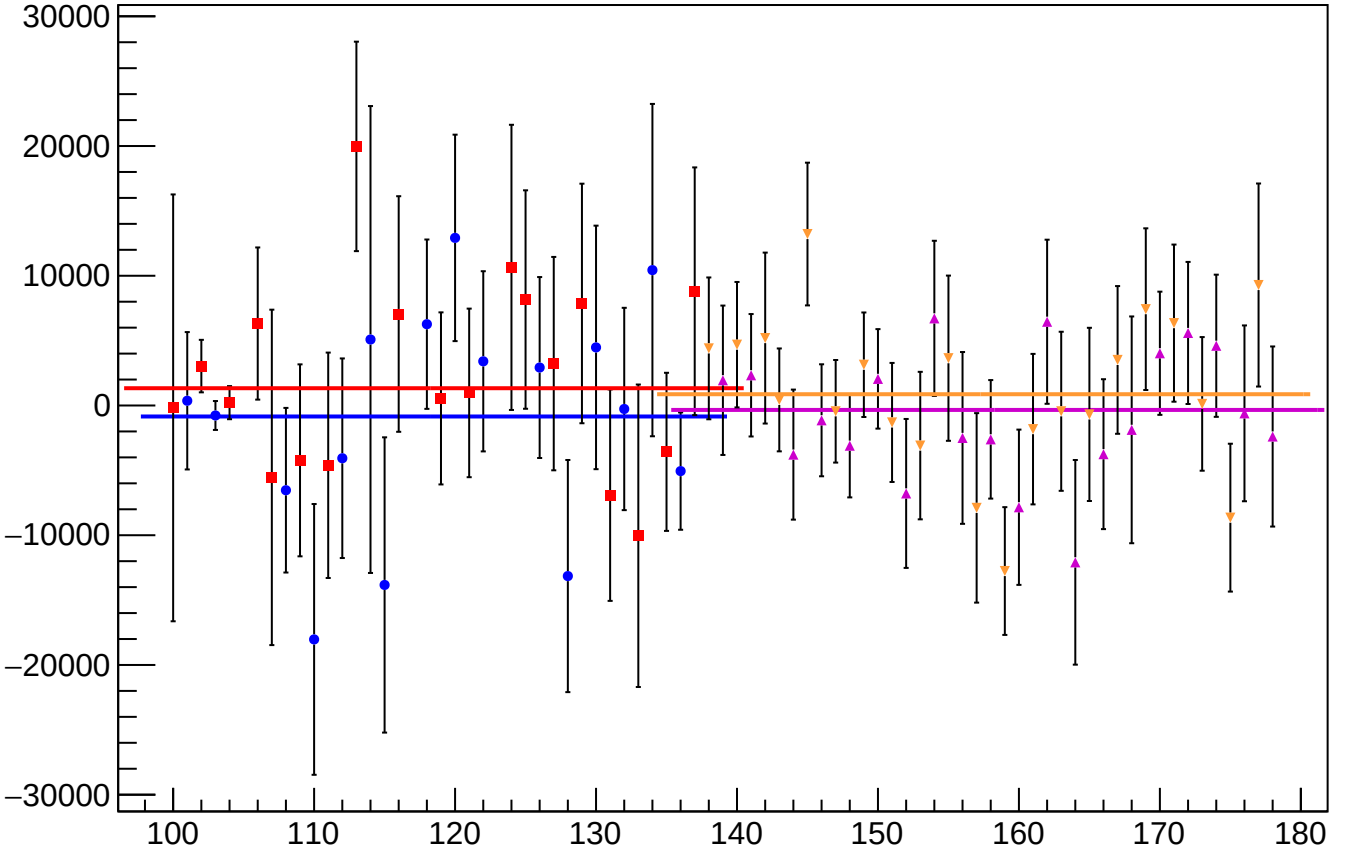
Left In: 1707.866+/-0.299 χ^2/NDF:21041.3/19

+ sign 1754.106+/-0.255 χ^2/NDF: 377379.1/36

All: 1755.283+/-0.181 χ^2/NDF: 862972.8/75

- sign 1756.477+/-0.256 χ^2/NDF: 485550.6/38

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 868.662+/-1168.712 χ^2/NDF:23.4/20

Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

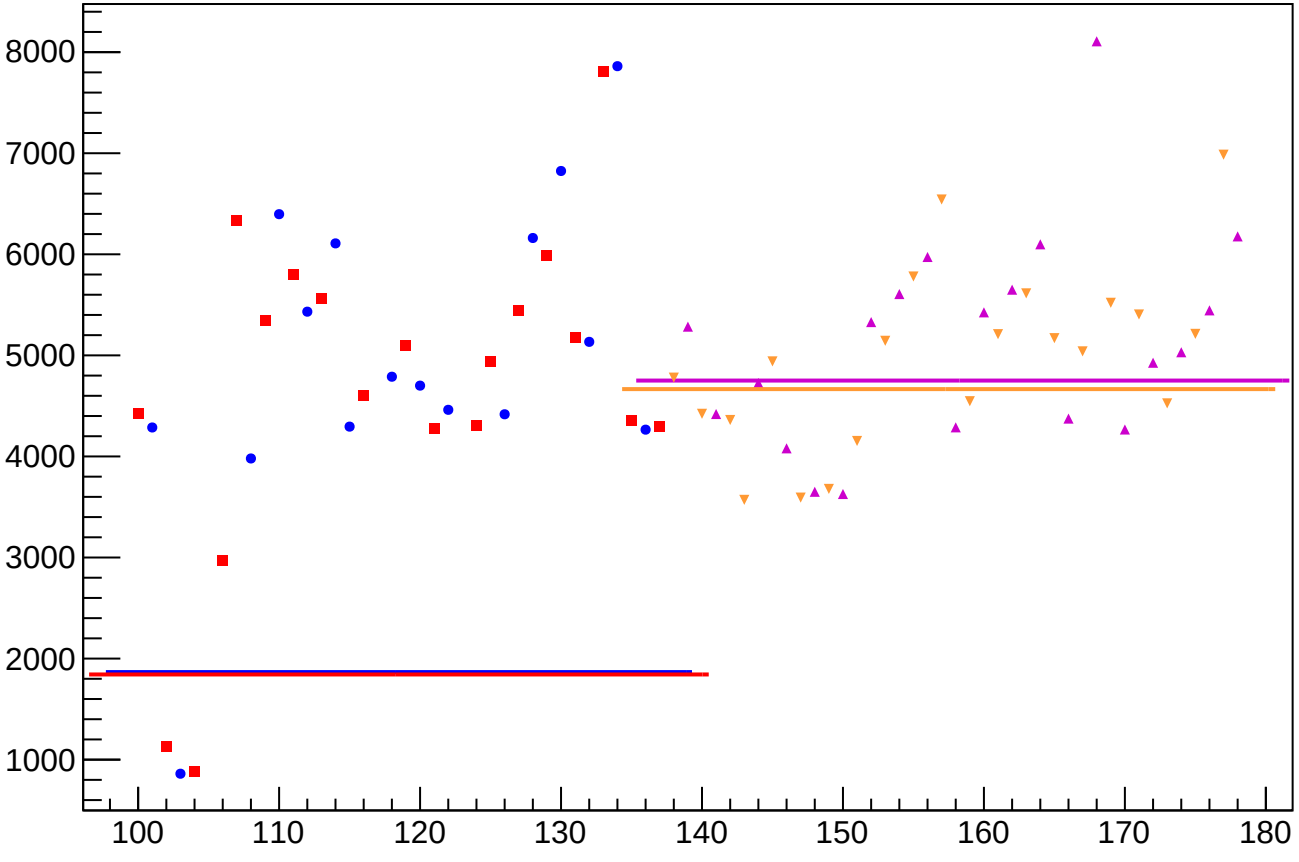
Left In: -342.197+/-1200.221 χ^2/NDF:13.1/19

+ sign -153.619+/-743.142 χ^2/NDF: 38.5/36

All: 266.835+/-525.787 χ^2/NDF: 67.9/75

- sign 688.271+/-744.010 χ^2/NDF: 28.7/38

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4666.215+/-0.826 χ^2/NDF:1017368.0/20

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

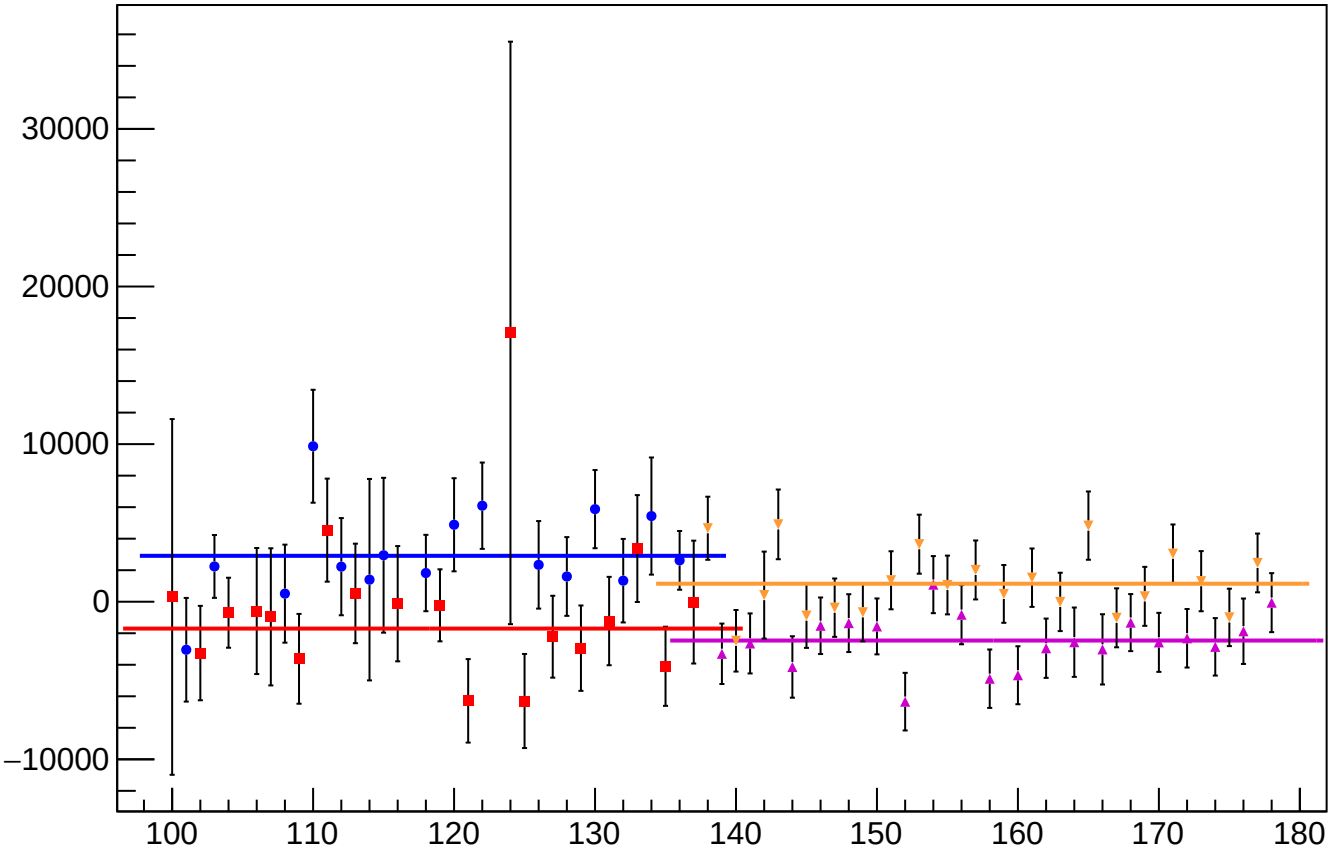
Left In: 4750.806+/-0.849 χ^2/NDF:1110509.0/19

+ sign 2998.340+/-0.525 χ^2/NDF: 14705456.0/36

All: 2979.345+/-0.372 χ^2/NDF: 29505818.9/7

- sign 2960.306+/-0.526 χ^2/NDF: 14797746.5/38

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1143.042+/-420.841 χ^2/NDF:22.1/20

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

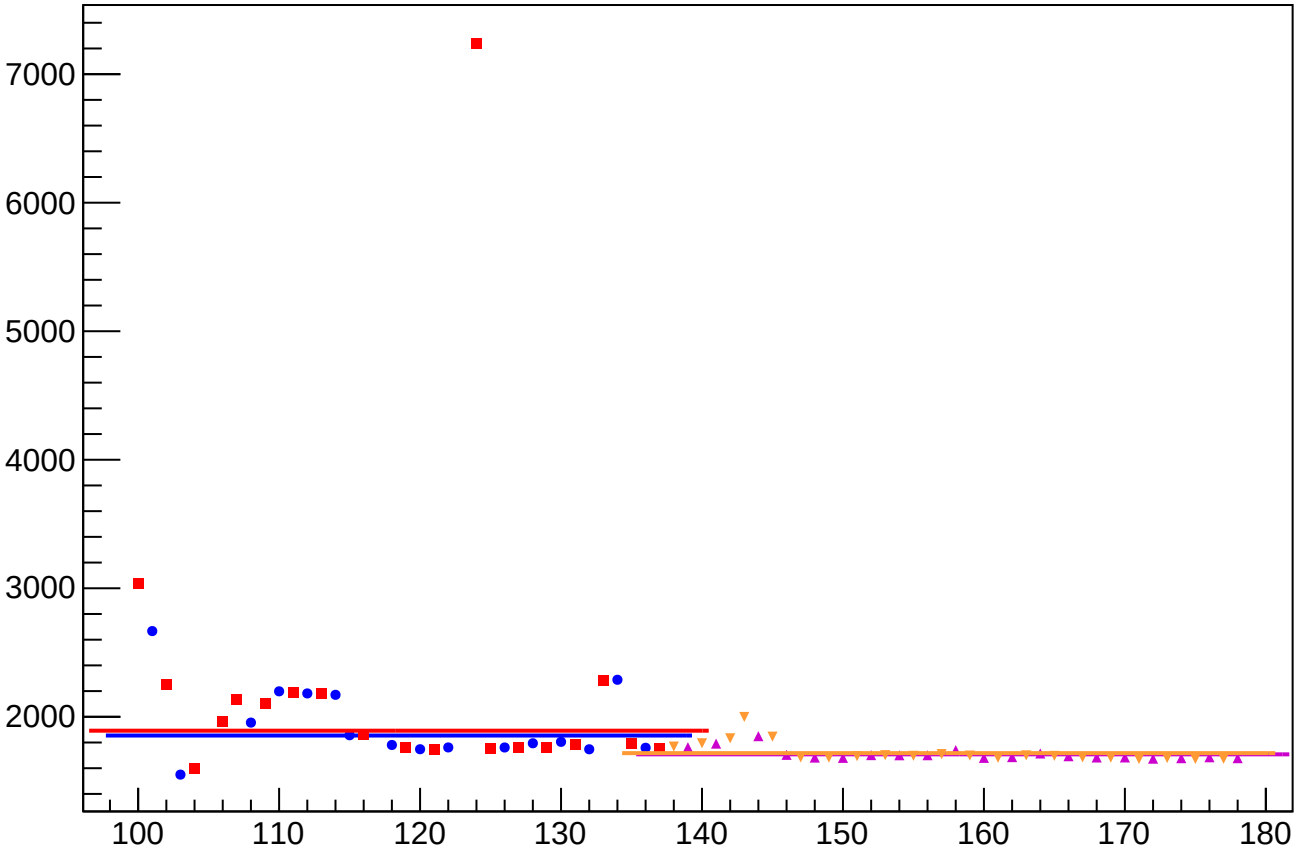
Left In: -2462.678+/-422.563 χ^2/NDF:16.4/19

+ sign 1617.868+/-359.996 χ^2/NDF: 39.2/36

All: -307.982+/-255.504 χ^2/NDF: 130.0/75

- sign -2262.802+/-362.694 χ^2/NDF: 33.1/38

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1717.371+/-0.298 χ^2/NDF:57247.0/20

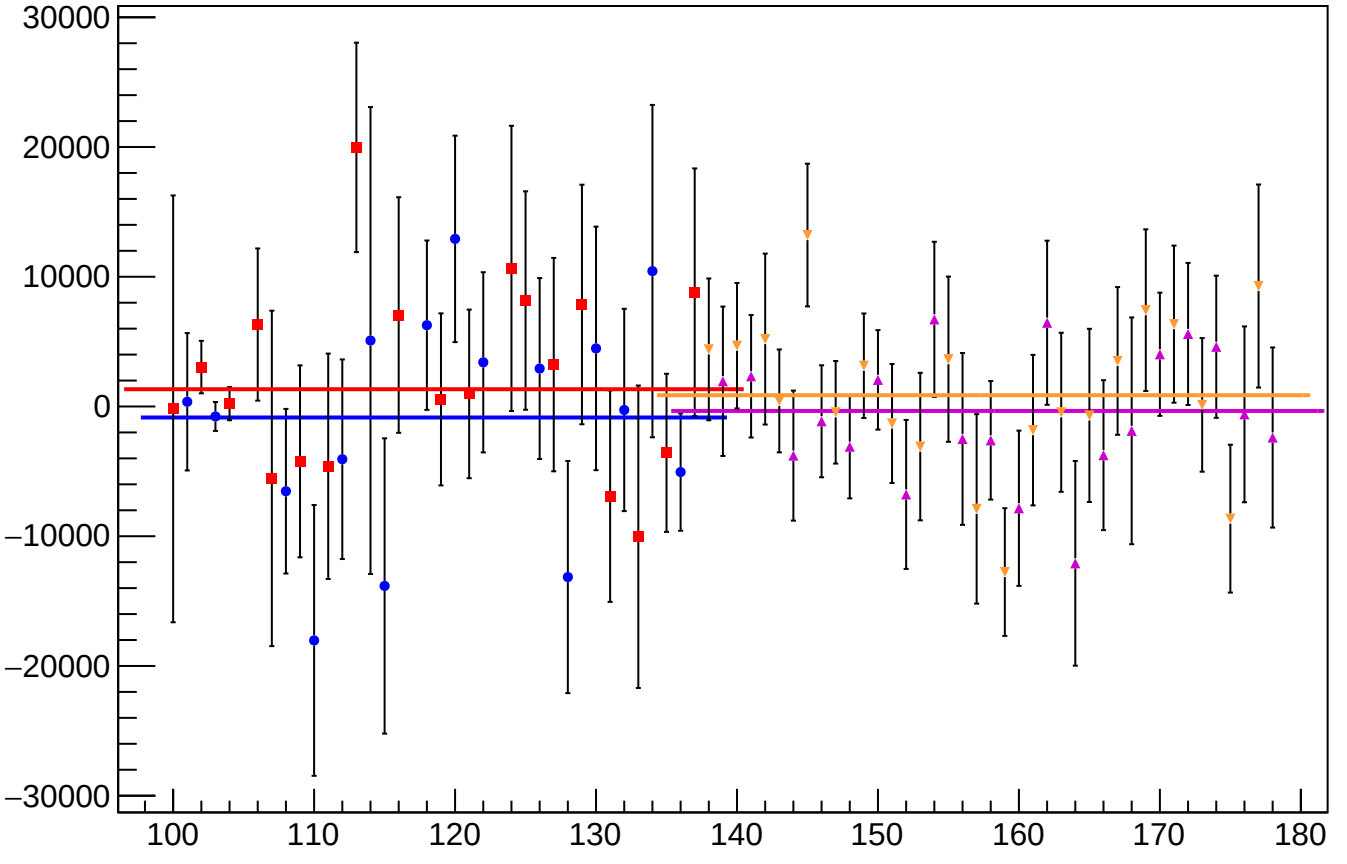
Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1707.866+/-0.299 χ^2/NDF:21041.3/19

+ sign 1754.106+/-0.255 χ^2/NDF: 377379.1/36

All: 1755.283+/-0.181 χ^2/NDF: 862972.8/75

- sign 1756.477+/-0.256 χ^2/NDF: 485550.6/38



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 868.662+/-1168.712 χ^2/NDF:23.4/20

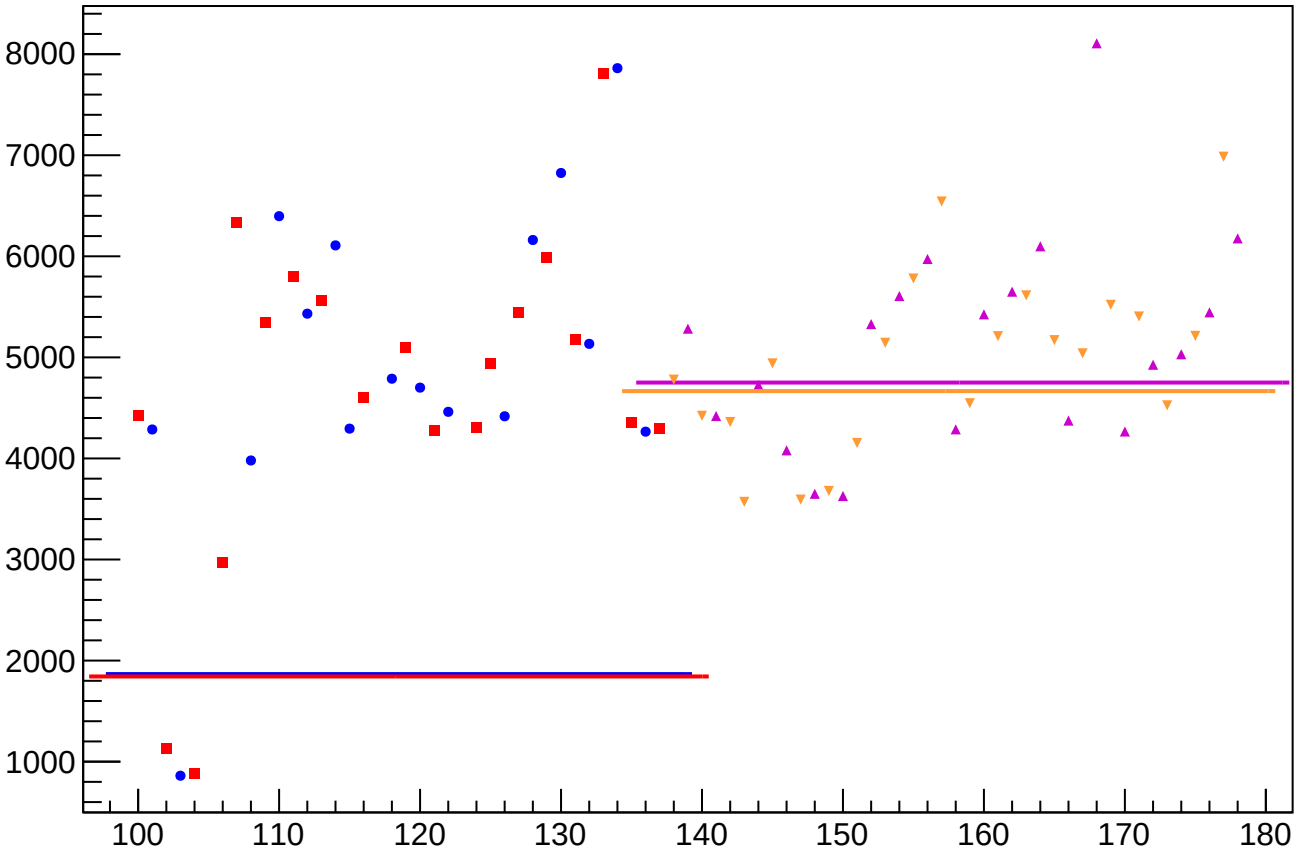
Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: -342.197+/-1200.221 χ^2/NDF:13.1/19

+ sign -153.619+/-743.142 χ^2/NDF: 38.5/36

All: 266.835+/-525.787 χ^2/NDF: 67.9/75

- sign 688.271+/-744.010 χ^2/NDF: 28.7/38



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4666.215+/-0.826 χ^2/NDF:1017368.0/20

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

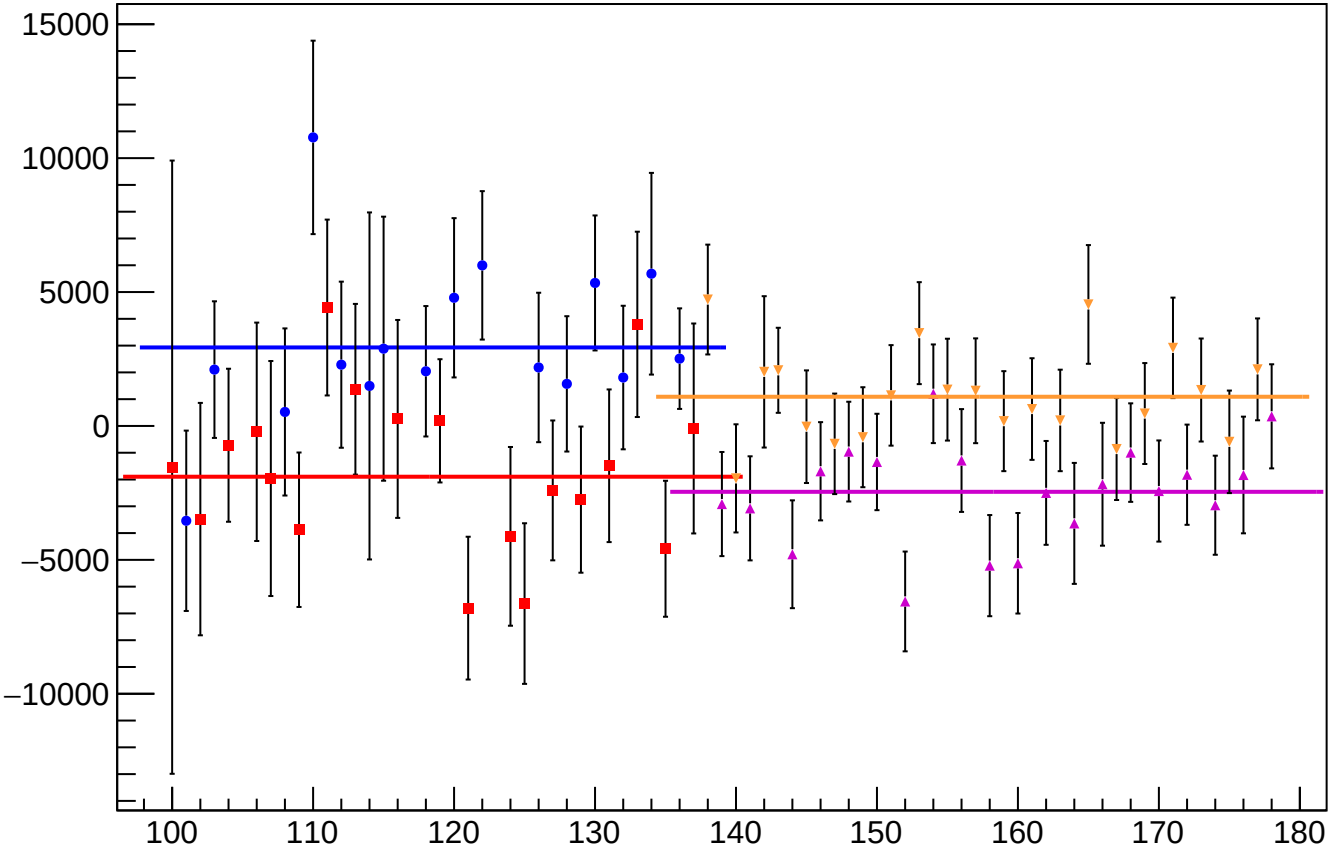
Left In: 4750.806+/-0.849 χ^2/NDF:1110509.0/19

+ sign 2998.340+/-0.525 χ^2/NDF: 14705456.0/36

All: 2979.345+/-0.372 χ^2/NDF: 29505818.9/7

- sign 2960.306+/-0.526 χ^2/NDF: 14797746.5/38

dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1090.563+/-422.277 χ^2/NDF:15.4/20

Right Out: -1895.503+/-721.954 χ^2/NDF: 17.4/18

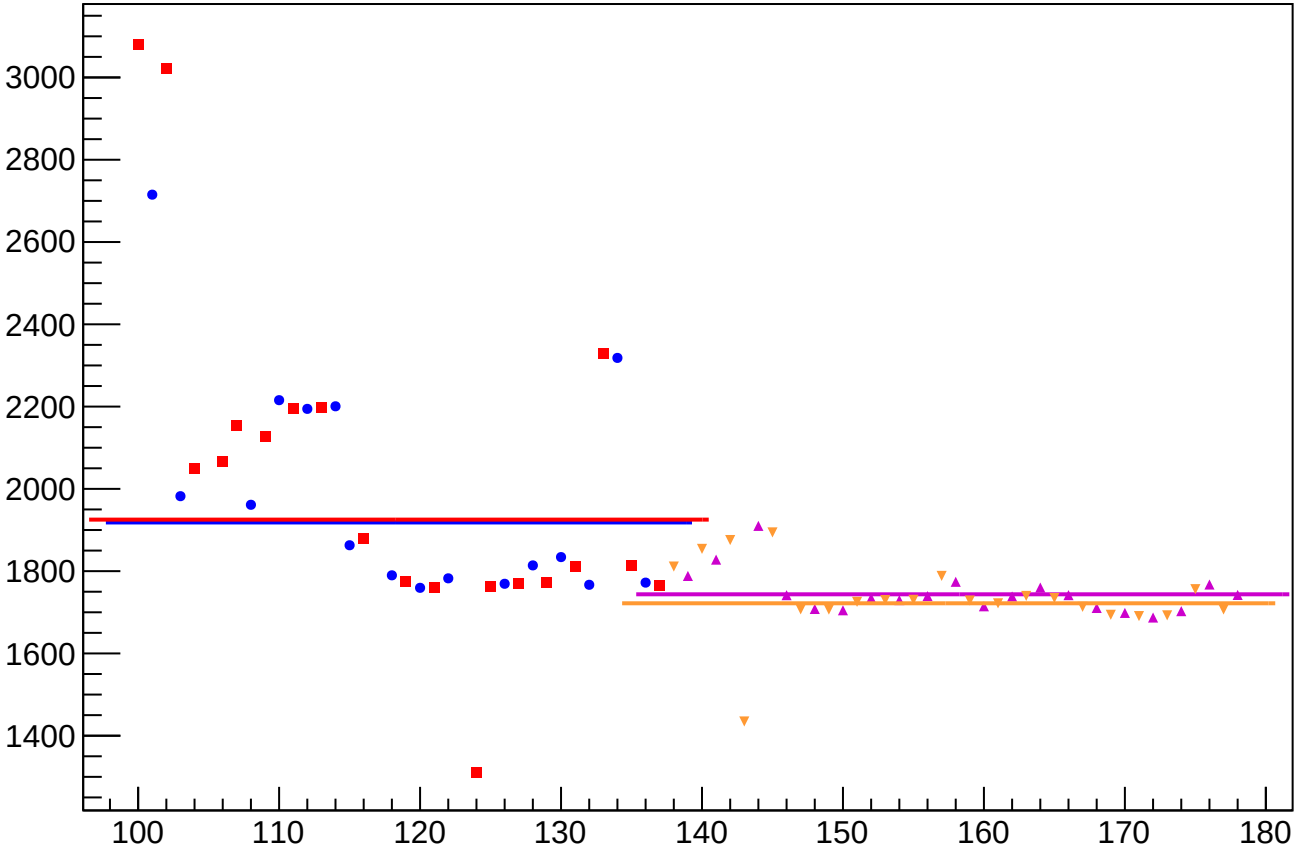
Left In: -2459.251+/-431.515 χ^2/NDF:19.3/19

+ sign 1563.435+/-364.032 χ^2/NDF: 33.3/36

All: -340.146+/-259.630 χ^2/NDF: 126.1/75

- sign -2310.863+/-370.396 χ^2/NDF: 37.1/38

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1721.881+/-0.299 χ^2/NDF:102378.3/20

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

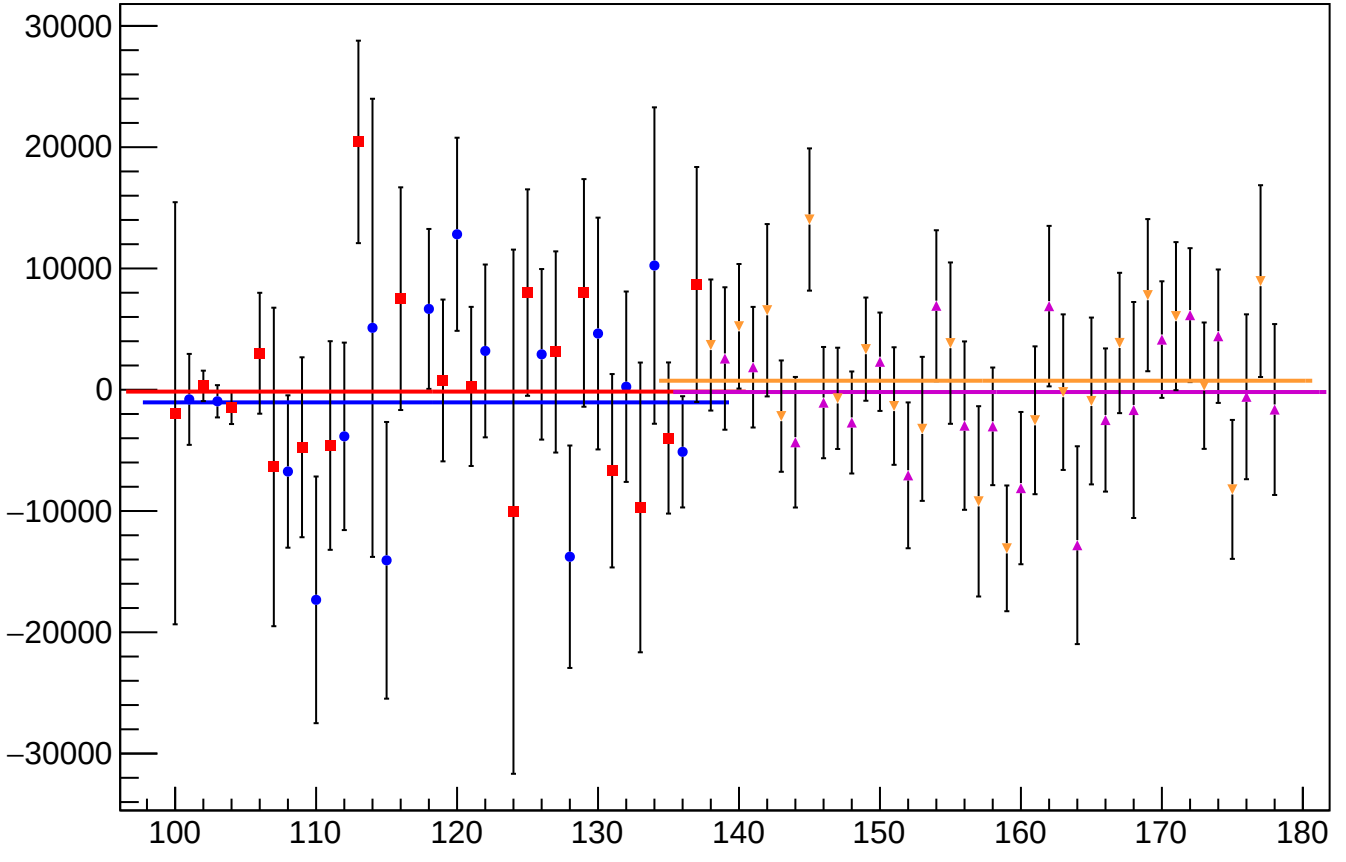
Left In: 1743.744+/-0.305 χ^2/NDF:26274.2/19

+ sign 1772.346+/-0.257 χ^2/NDF: 429184.9/36

All: 1781.799+/-0.184 χ^2/NDF: 890559.9/75

- sign 1791.580+/-0.262 χ^2/NDF: 458631.2/38

asym_atl1r2_avg_dit_correction_mean vs Slug



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 742.697+/-1225.558 χ^2/NDF:23.5/20

Right Out: -153.619+/-835.656 χ^2/NDF: 13.7/18

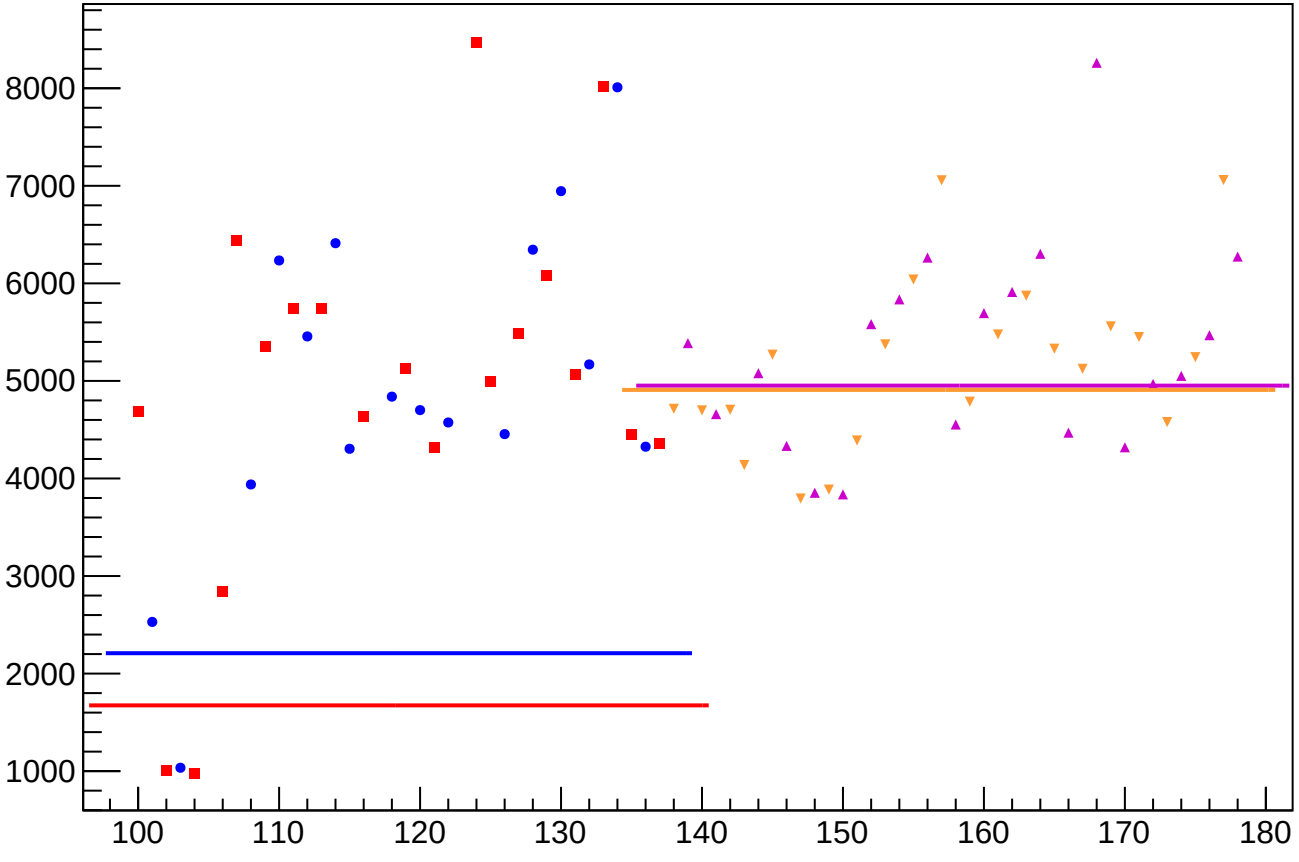
Left In: -188.638+/-1249.119 χ^2/NDF:13.1/19

+ sign -268.017+/-807.054 χ^2/NDF: 38.6/36

All: -208.516+/-526.446 χ^2/NDF: 65.4/75

- sign -164.446+/-694.560 χ^2/NDF: 26.8/38

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4907.795+/-0.867 χ^2/NDF:846190.9/20

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

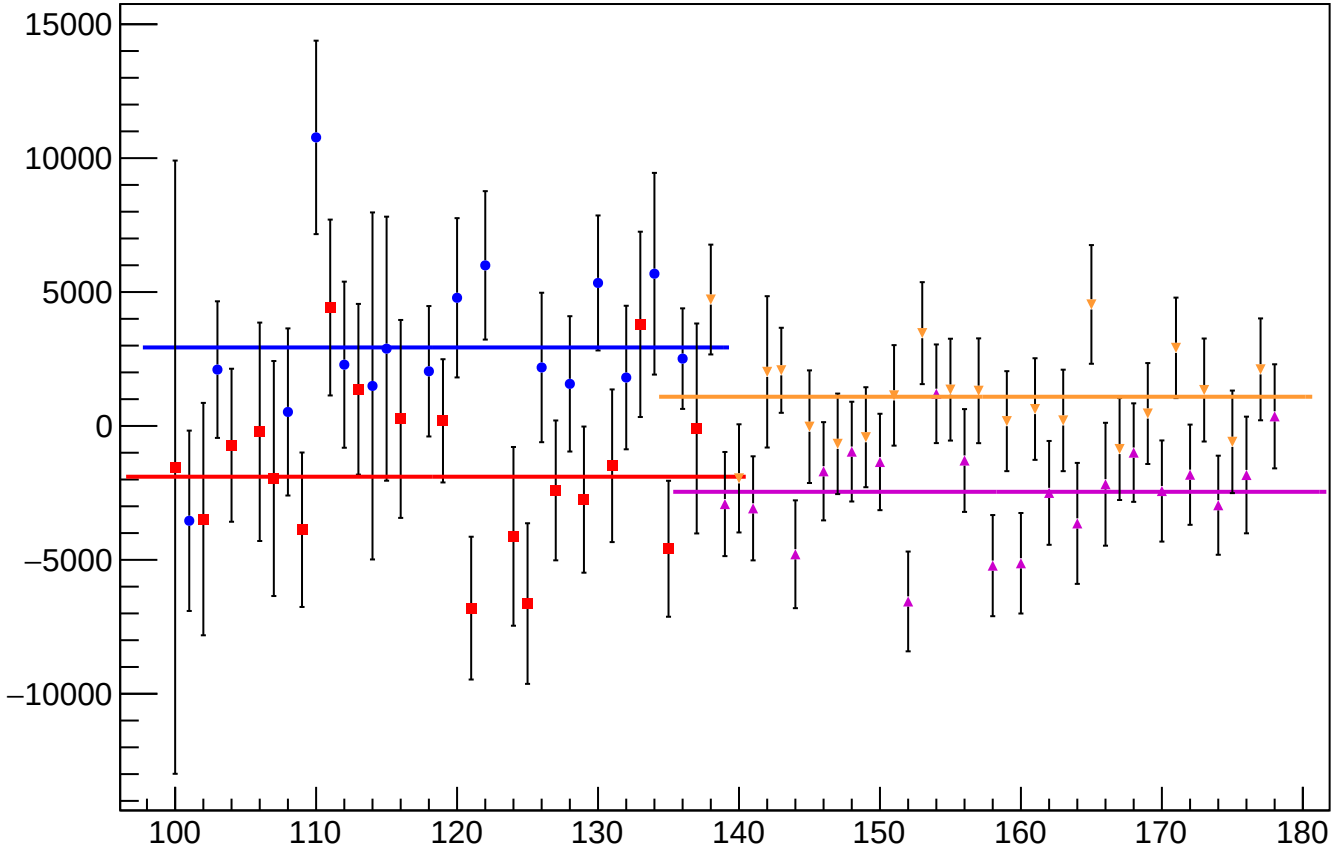
Left In: 4951.678+/-0.883 χ^2/NDF:1021849.8/19

+ sign 3379.277+/-0.571 χ^2/NDF: 11838292.5/36

All: 2981.856+/-0.372 χ^2/NDF: 30069647.8/7

- sign 2687.505+/-0.491 χ^2/NDF: 17387167.7/38

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.693+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1090.557+/-422.278 χ^2/NDF:15.4/20

Right Out: -1895.508+/-721.953 χ^2/NDF: 17.4/18

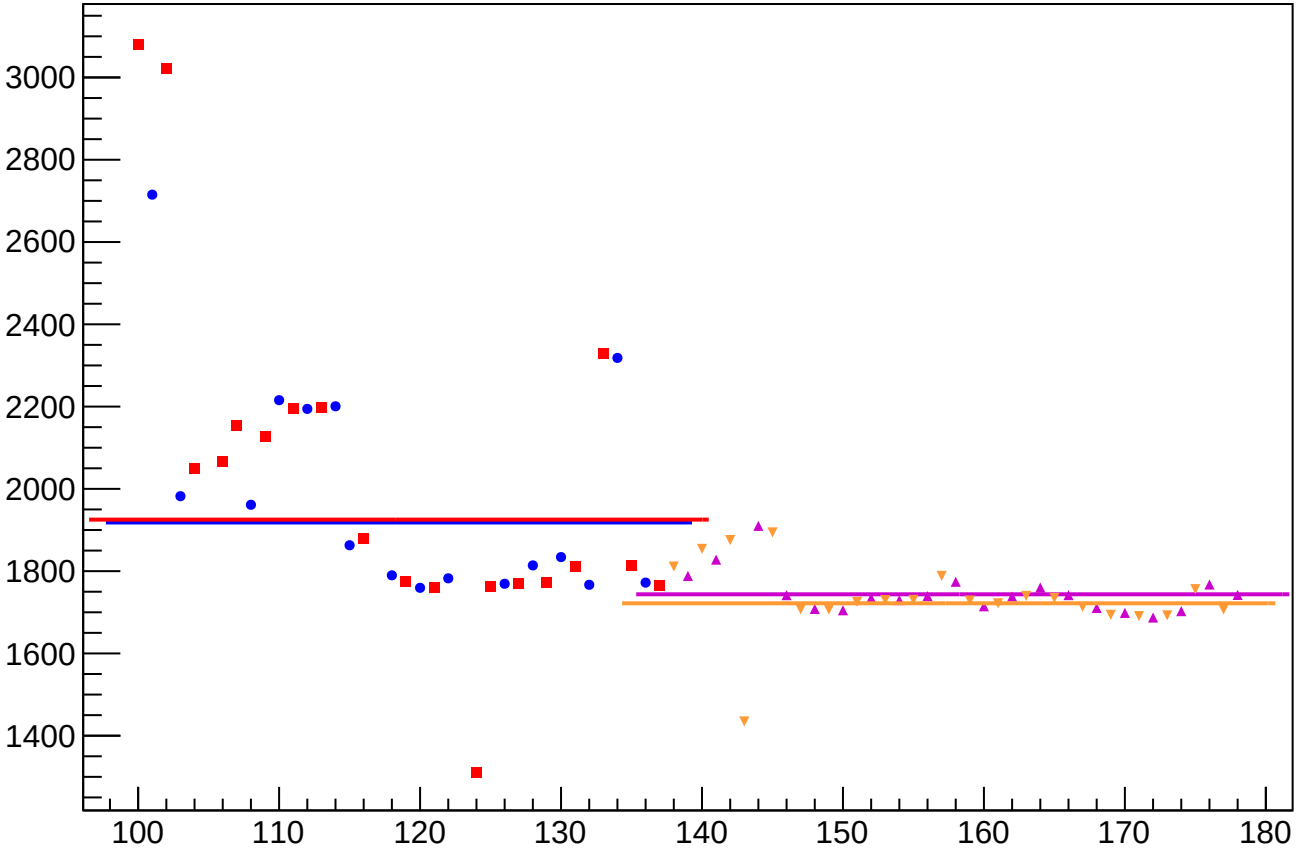
Left In: -2459.254+/-431.515 χ^2/NDF:19.3/19

+ sign 1563.432+/-364.032 χ^2/NDF: 33.3/36

All: -340.149+/-259.630 χ^2/NDF: 126.1/75

- sign -2310.866+/-370.396 χ^2/NDF: 37.1/38

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1721.882+/-0.299 χ^2/NDF:102377.5/20

Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

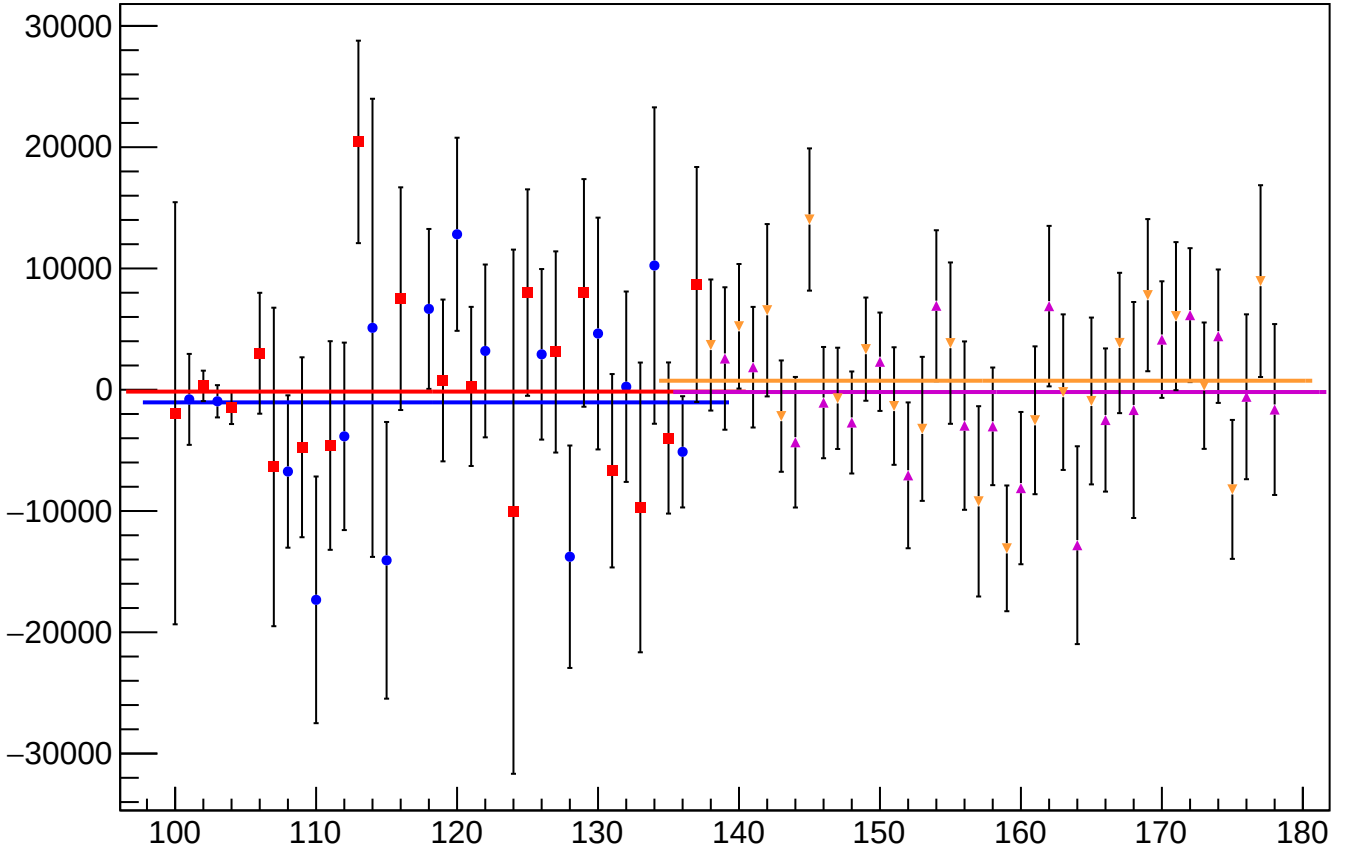
Left In: 1743.745+/-0.305 χ^2/NDF:26274.2/19

+ sign 1772.347+/-0.257 χ^2/NDF: 429182.5/36

All: 1781.799+/-0.184 χ^2/NDF: 890555.0/75

- sign 1791.580+/-0.262 χ^2/NDF: 458628.8/38

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 742.696+/-1225.560 χ^2/NDF:23.5/20

Right Out: -153.614+/-835.655 χ^2/NDF: 13.7/18

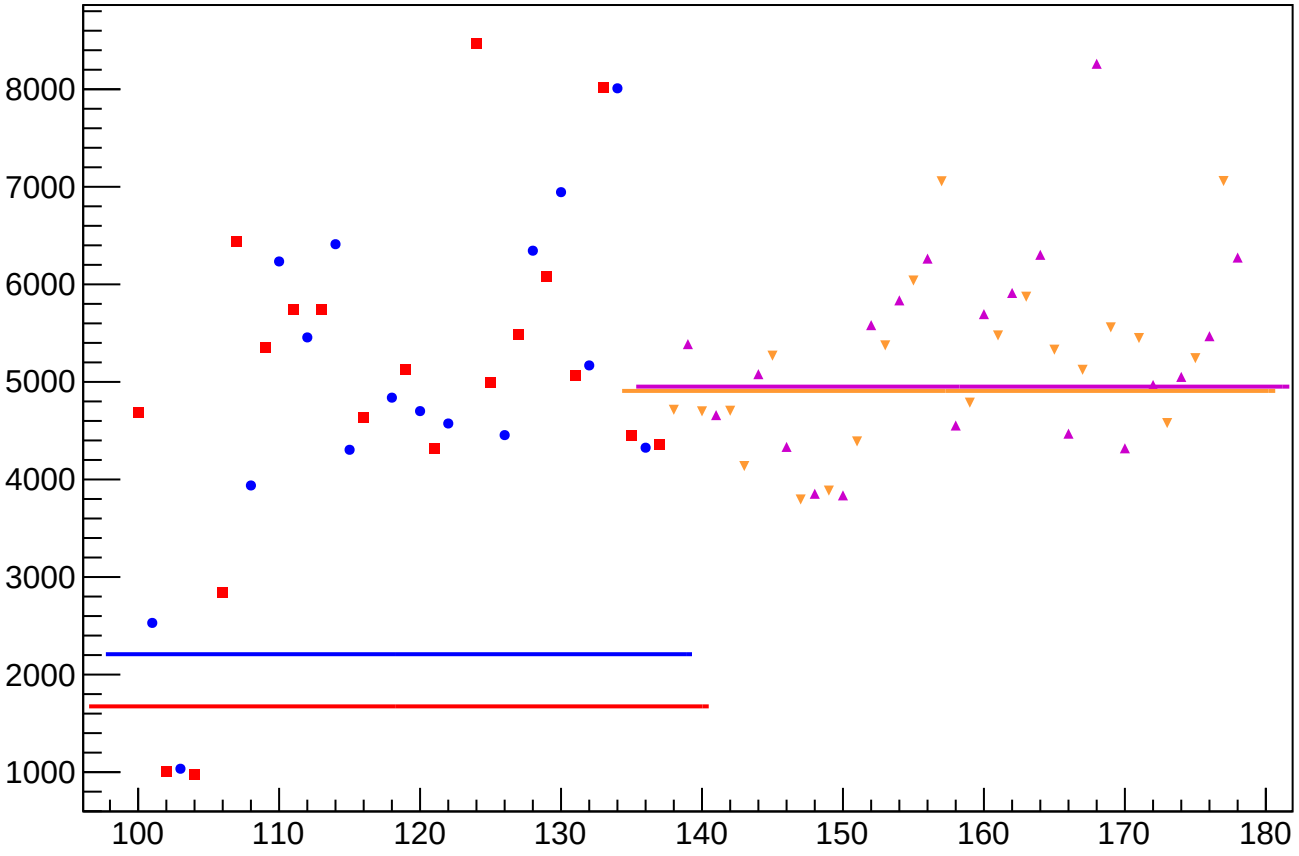
Left In: -188.636+/-1249.121 χ^2/NDF:13.1/19

+ sign -268.019+/-807.054 χ^2/NDF: 38.6/36

All: -208.514+/-526.446 χ^2/NDF: 65.4/75

- sign -164.442+/-694.560 χ^2/NDF: 26.8/38

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4907.803+/-0.867 χ^2/NDF:846190.4/20

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

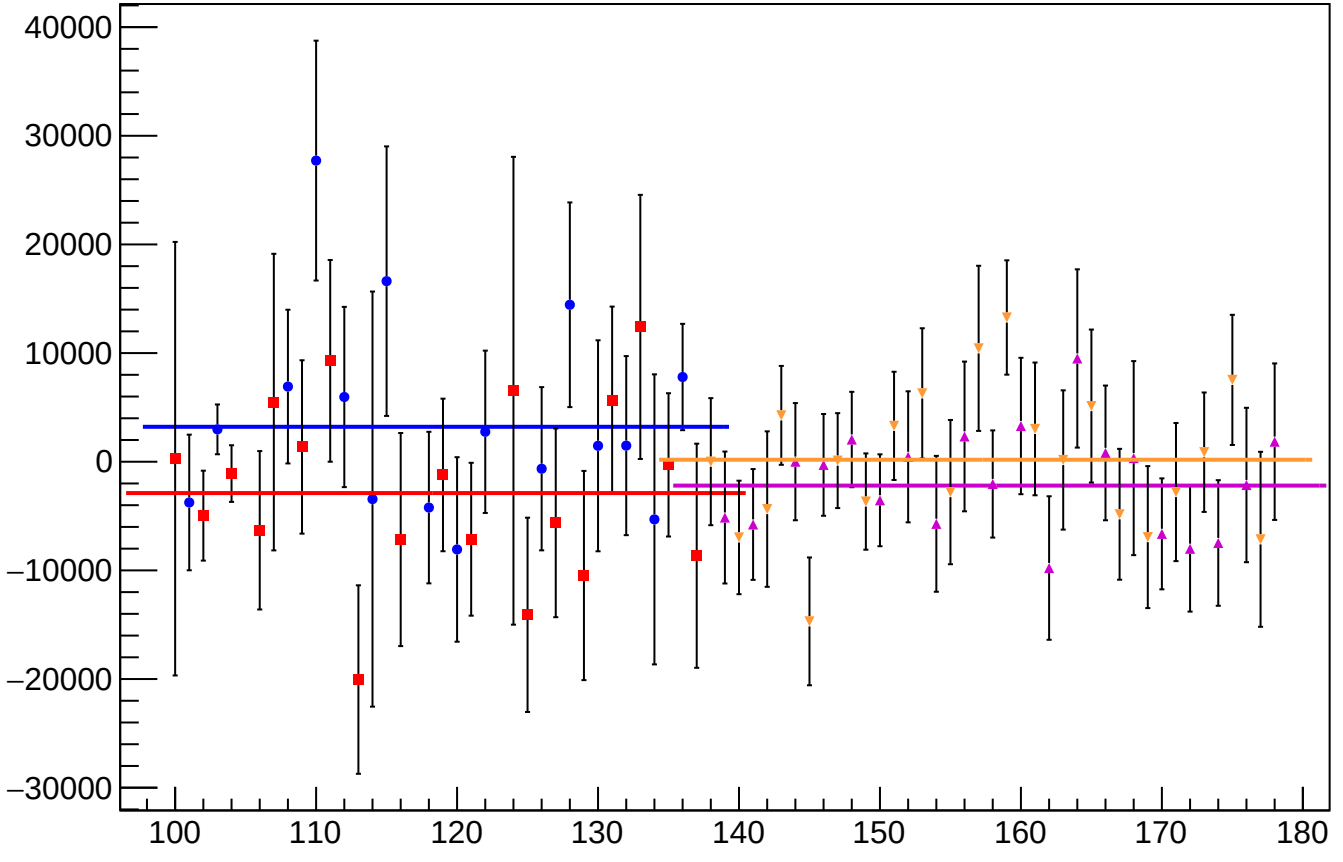
Left In: 4951.686+/-0.883 χ^2/NDF:1021851.2/19

+ sign 3379.277+/-0.571 χ^2/NDF: 11838314.6/36

All: 2981.855+/-0.372 χ^2/NDF: 30069694.2/7

- sign 2687.504+/-0.491 χ^2/NDF: 17387190.3/38

asym_atl1r2_avg_mean vs Slug



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: 185.142+/-1256.241 χ^2/NDF:25.0/20

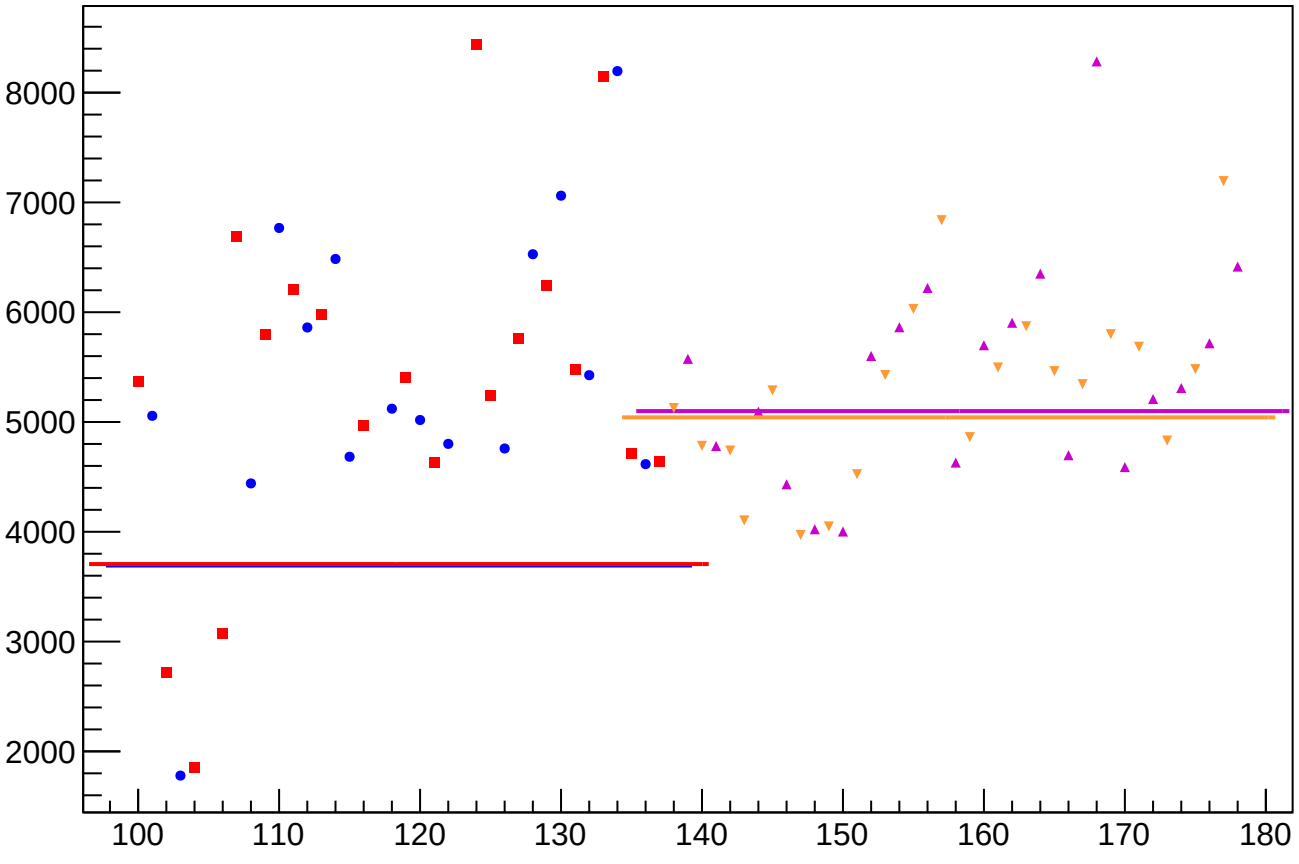
Right Out: -2883.411+/-1552.120 χ^2/NDF: 13.4/18

Left In: -2196.051+/-1282.934 χ^2/NDF:10.4/19

+ sign 1396.714+/-973.254 χ^2/NDF: 41.2/36

All: -508.377+/-693.646 χ^2/NDF: 72.8/75

- sign -2475.050+/-988.859 χ^2/NDF: 23.9/38



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 5042.549+/-0.888 χ^2/NDF:767036.9/20

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

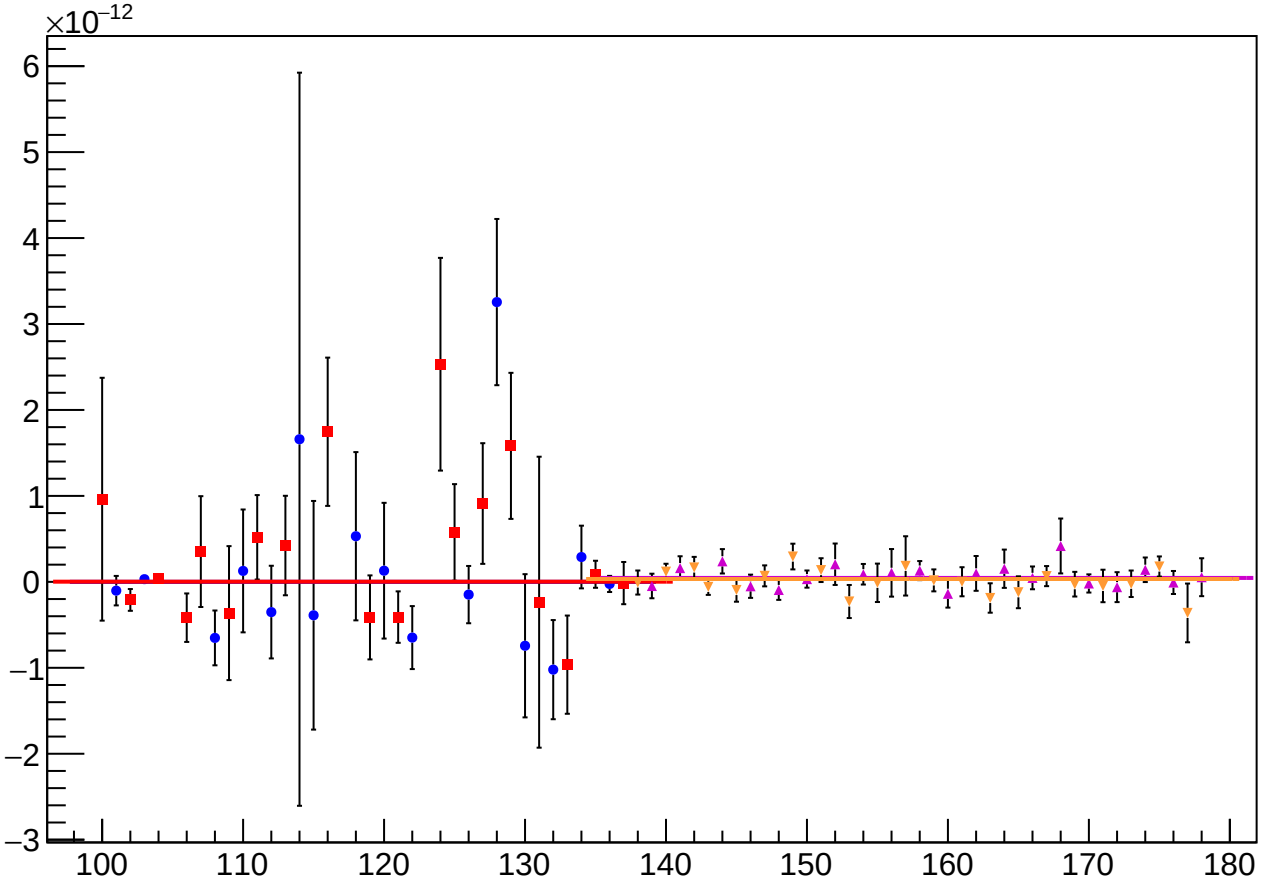
Left In: 5099.454+/-0.907 χ^2/NDF:892613.2/19

+ sign 4502.944+/-0.688 χ^2/NDF: 4575707.0/36

All: 4514.895+/-0.489 χ^2/NDF: 9122472.8/75

- sign 4527.131+/-0.696 χ^2/NDF: 4546155.5/38

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:15.6/20

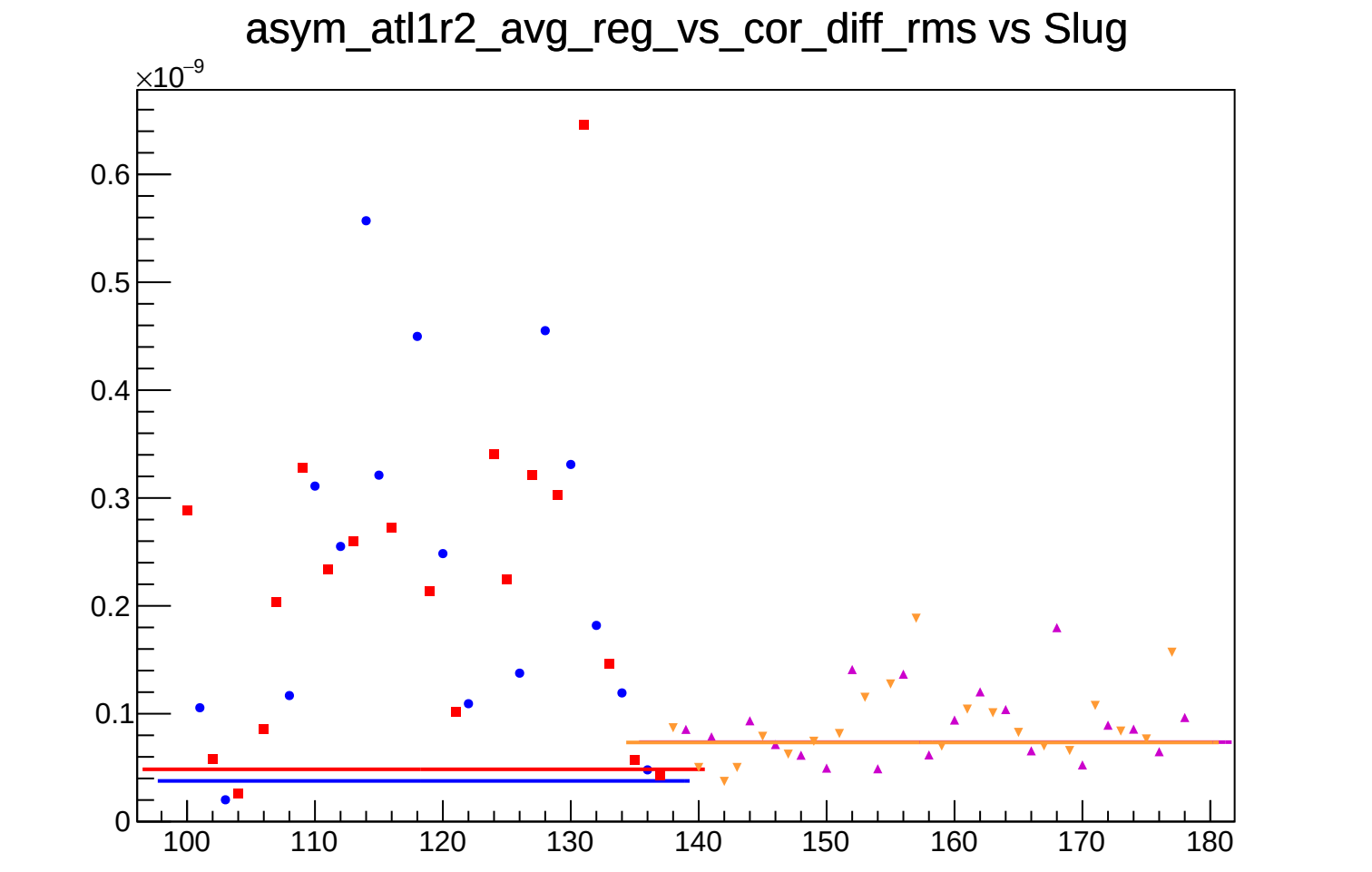
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:10.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 41.5/36

All: 0.000+/-0.000 χ^2/NDF: 80.9/75

- sign 0.000+/-0.000 χ^2/NDF: 39.3/38



Right In: 0.000+/-0.000 χ^2/NDF: 3140697.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1230992.9/20

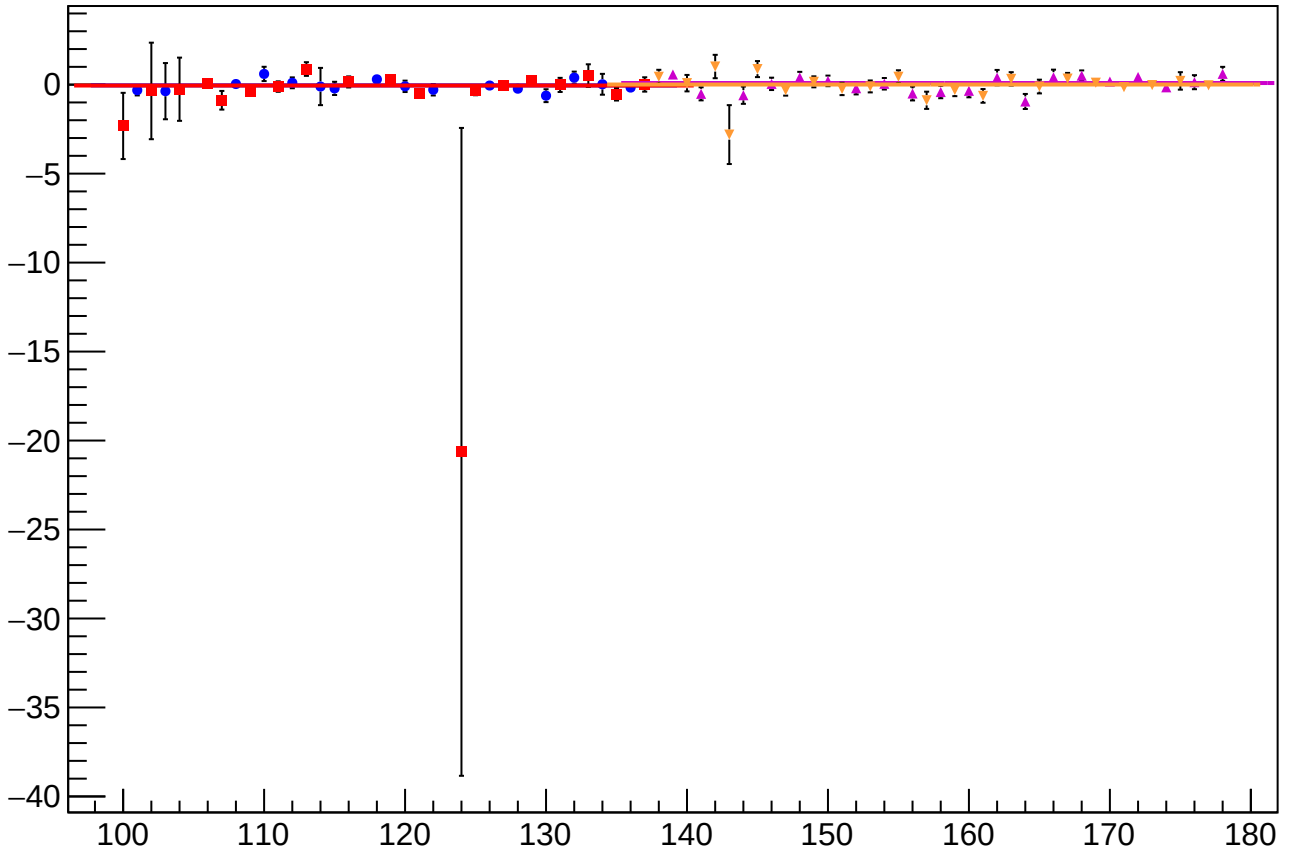
Right Out: 0.000+/-0.000 χ^2/NDF: 2895431.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1105248.9/19

+ sign 0.000+/-0.000 χ^2/NDF: 5493308.8/36

All: 0.000+/-0.000 χ^2/NDF: 9980590.0/75

- sign 0.000+/-0.000 χ^2/NDF: 4416350.8/38



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.007+/-0.073 χ^2/NDF:23.3/20

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

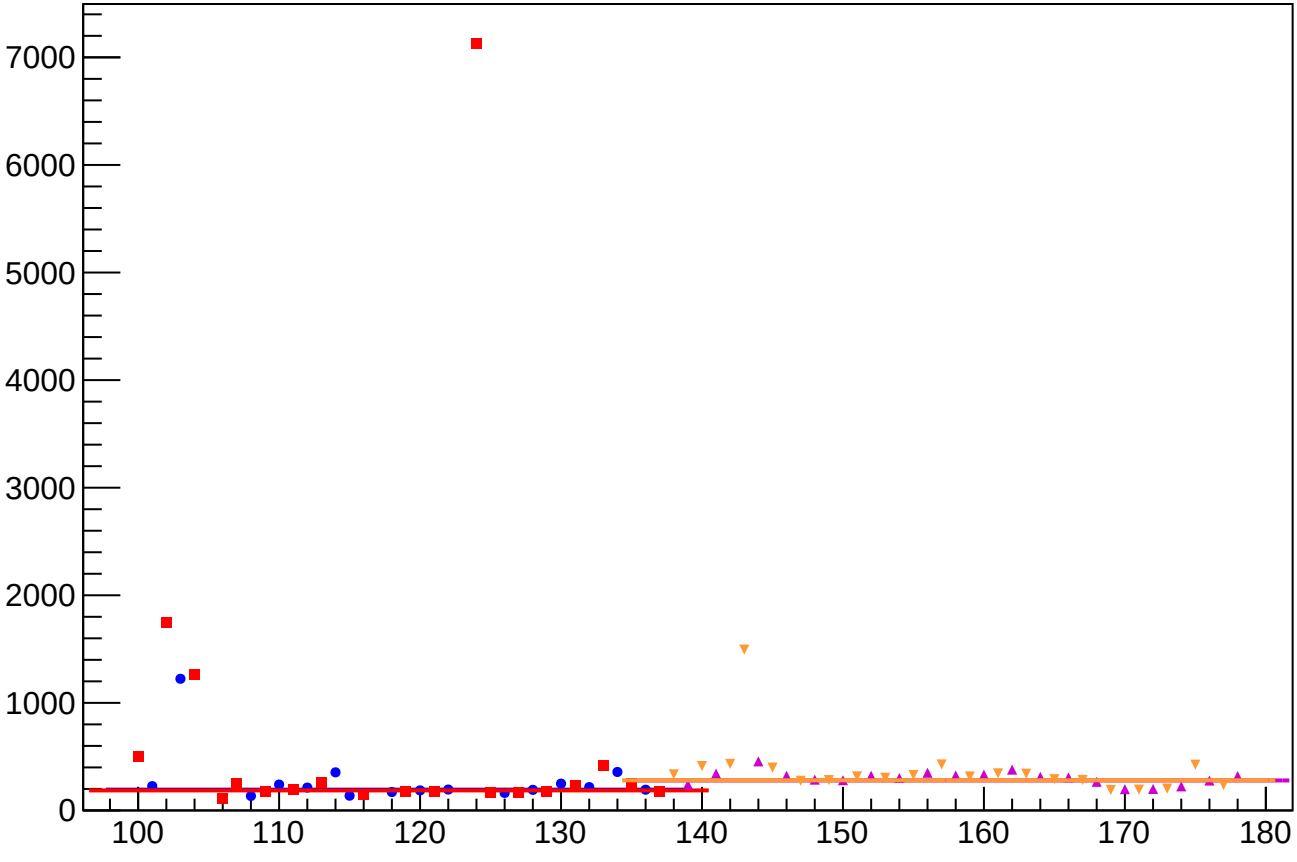
Left In: 0.091+/-0.072 χ^2/NDF:29.6/19

+ sign -0.016+/-0.053 χ^2/NDF: 35.2/36

All: 0.005+/-0.038 χ^2/NDF: 89.9/75

- sign 0.027+/-0.053 χ^2/NDF: 54.3/38

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 280.209+/-0.052 χ^2/NDF:3016063.9/20

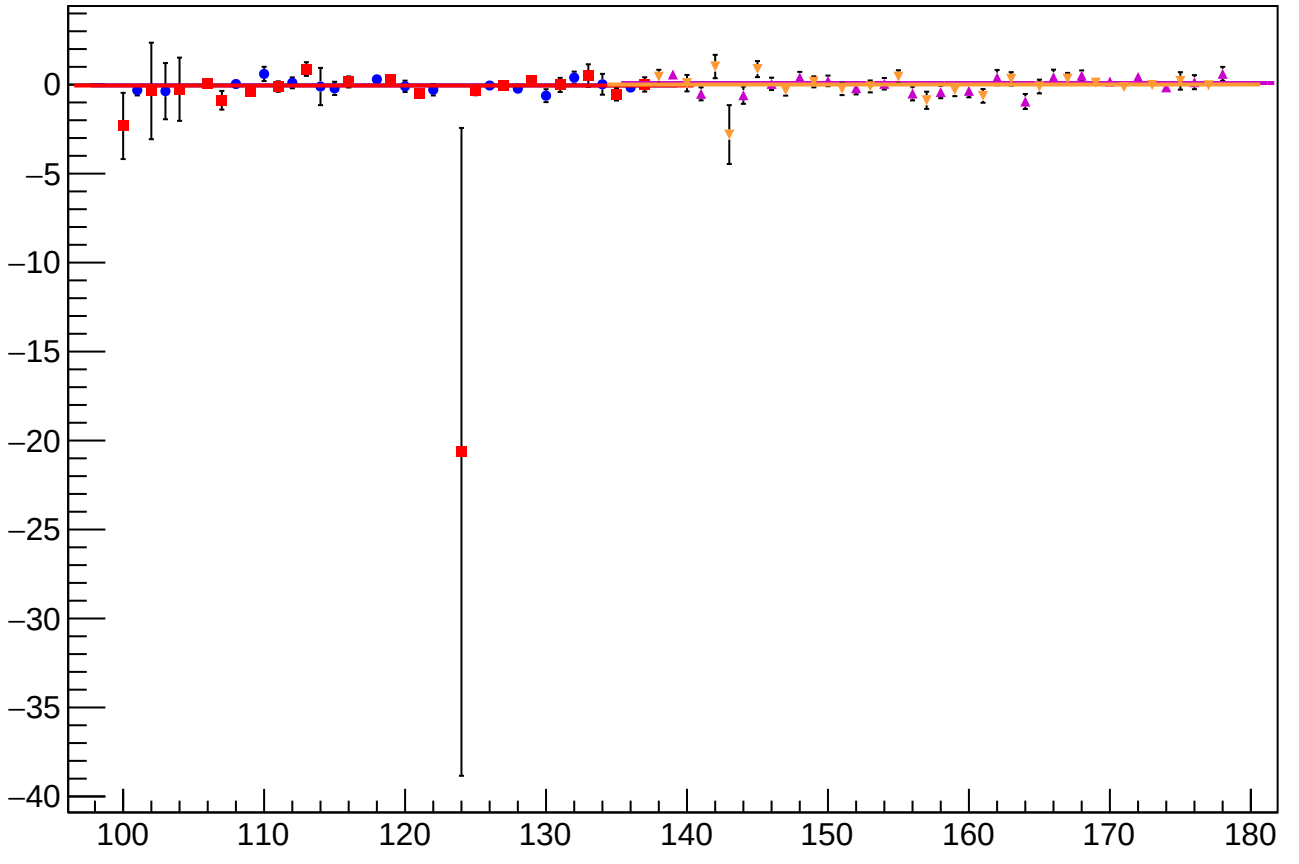
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 278.862+/-0.051 χ^2/NDF:1346518.5/19

+ sign 239.194+/-0.038 χ^2/NDF: 5746203.3/36

All: 237.869+/-0.027 χ^2/NDF: 11069075.7/75

- sign 236.549+/-0.038 χ^2/NDF: 5320413.1/38



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.007+/-0.073 χ^2/NDF:23.3/20

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

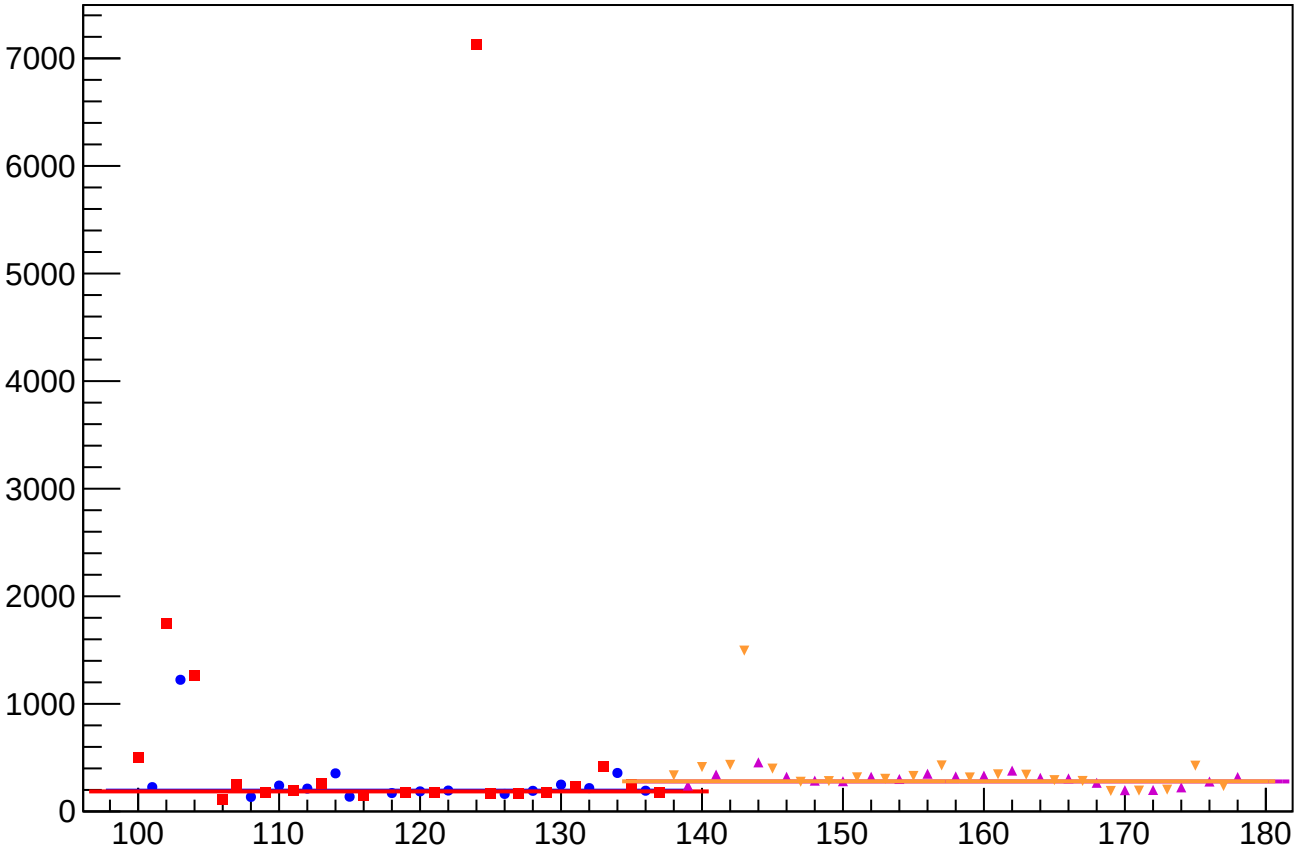
Left In: 0.091+/-0.072 χ^2/NDF:29.6/19

+ sign -0.016+/-0.053 χ^2/NDF: 35.2/36

All: 0.005+/-0.038 χ^2/NDF: 89.9/75

- sign 0.027+/-0.053 χ^2/NDF: 54.3/38

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: 280.209+/-0.052 χ^2/NDF:3016063.9/20

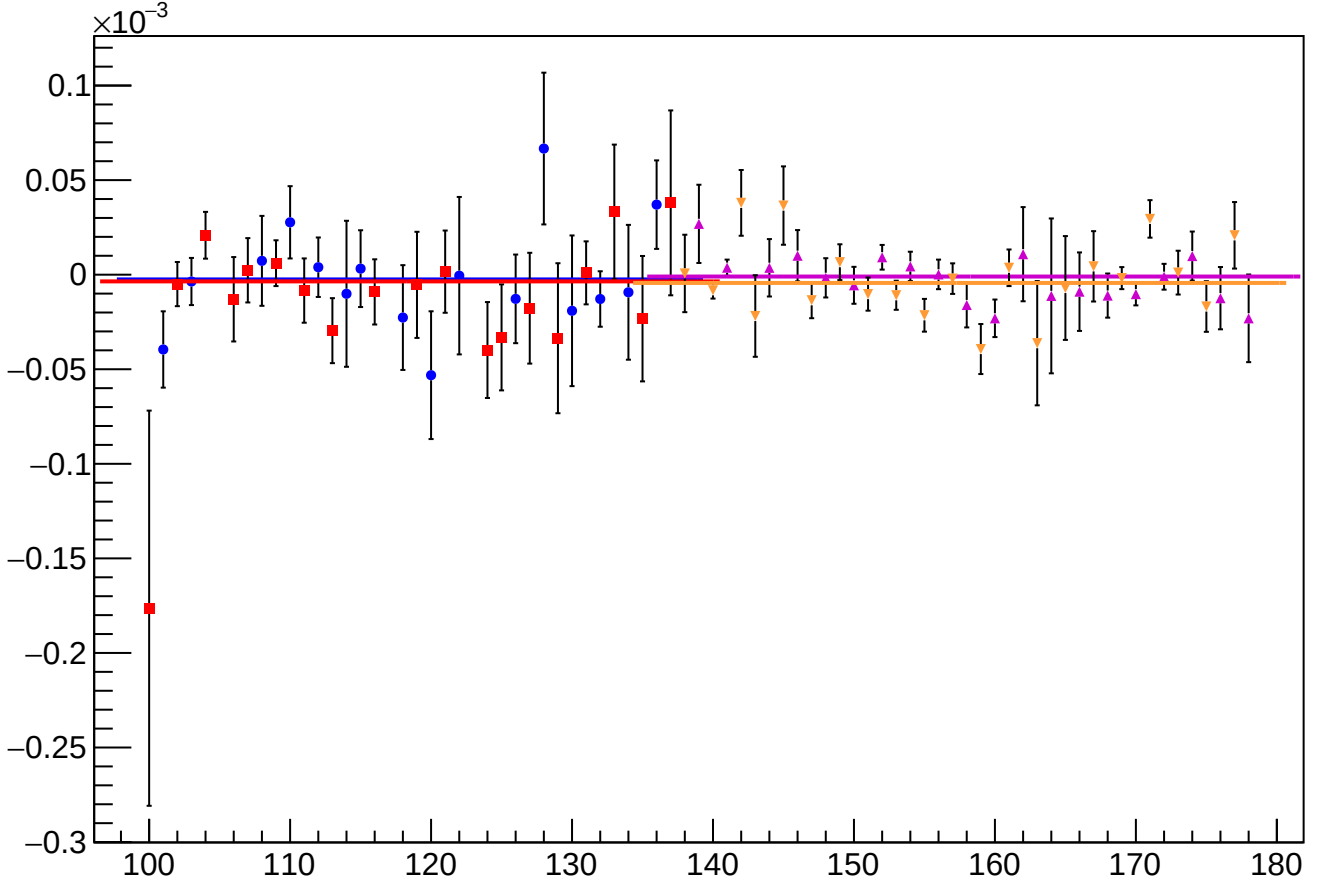
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 278.862+/-0.051 χ^2/NDF:1346518.5/19

+ sign 239.194+/-0.038 χ^2/NDF: 5746203.3/36

All: 237.869+/-0.027 χ^2/NDF: 11069075.7/75

- sign 236.549+/-0.038 χ^2/NDF: 5320413.1/38



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/20

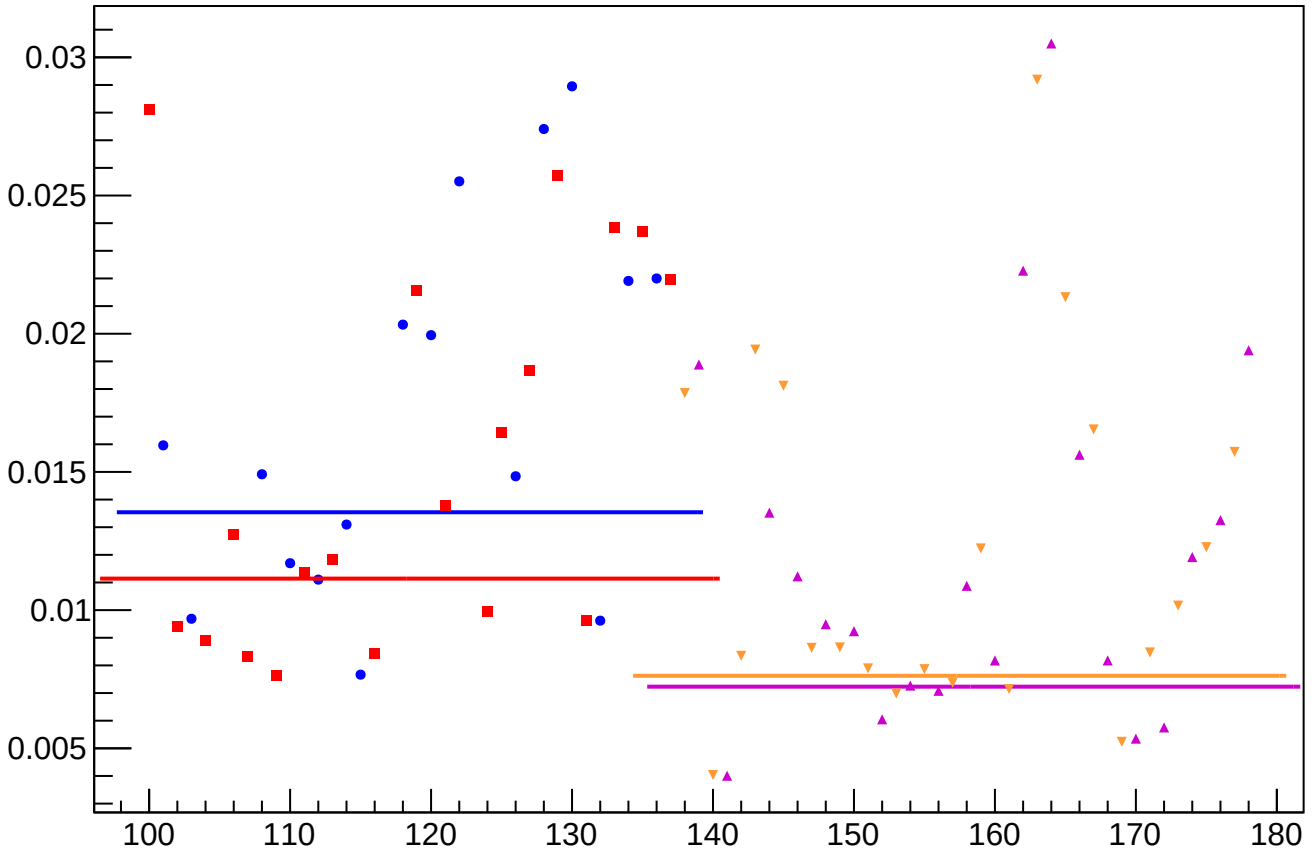
Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: -0.000+/-0.000 χ^2/NDF:19.2/19

+ sign -0.000+/-0.000 χ^2/NDF: 58.5/36

All: -0.000+/-0.000 χ^2/NDF: 95.3/75

- sign -0.000+/-0.000 χ^2/NDF: 35.8/38



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:6191938.0/20

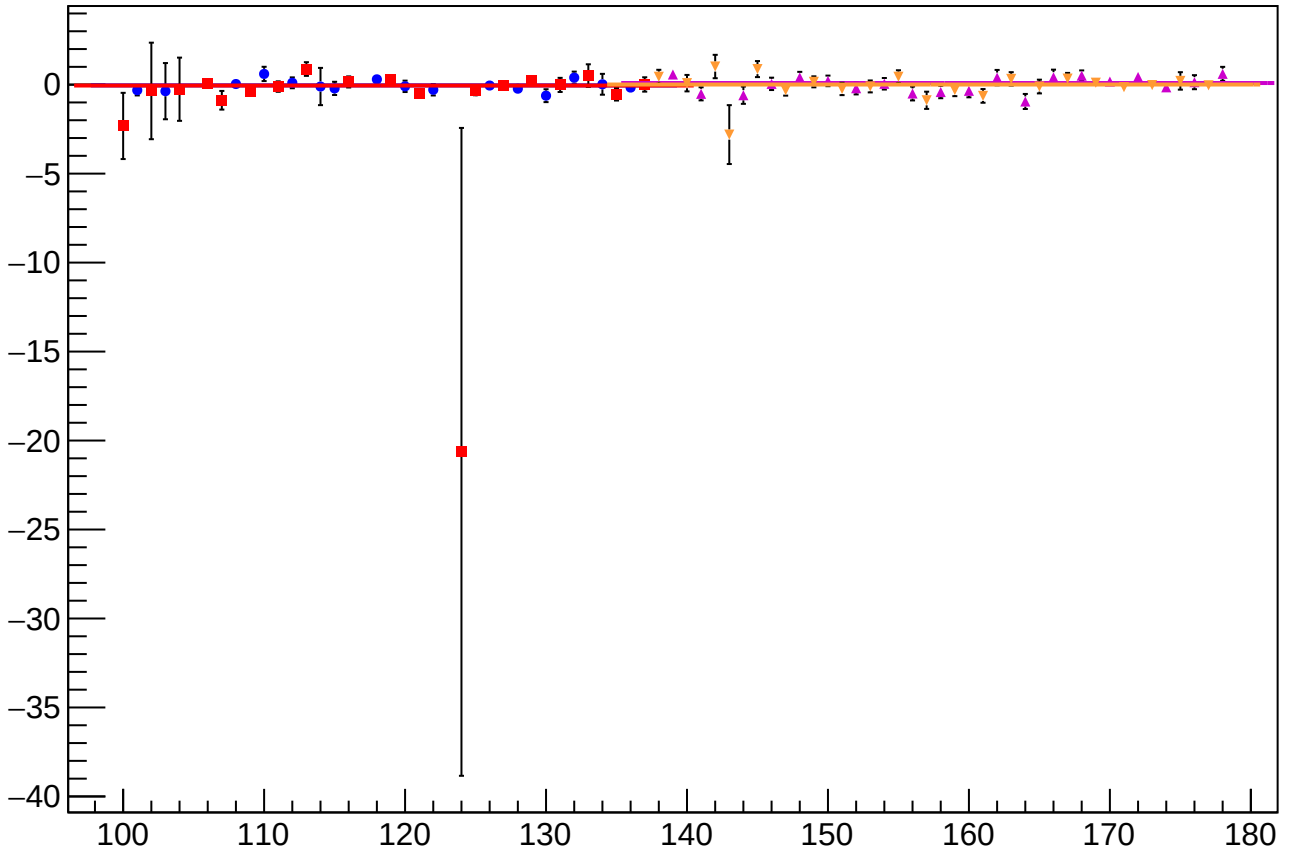
Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.007+/-0.000 χ^2/NDF:5838280.0/19

+ sign 0.008+/-0.000 χ^2/NDF: 10112173.7/36

All: 0.008+/-0.000 χ^2/NDF: 19164837.2/75

- sign 0.008+/-0.000 χ^2/NDF: 8989250.1/38



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.007+/-0.073 χ^2/NDF:23.3/20

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

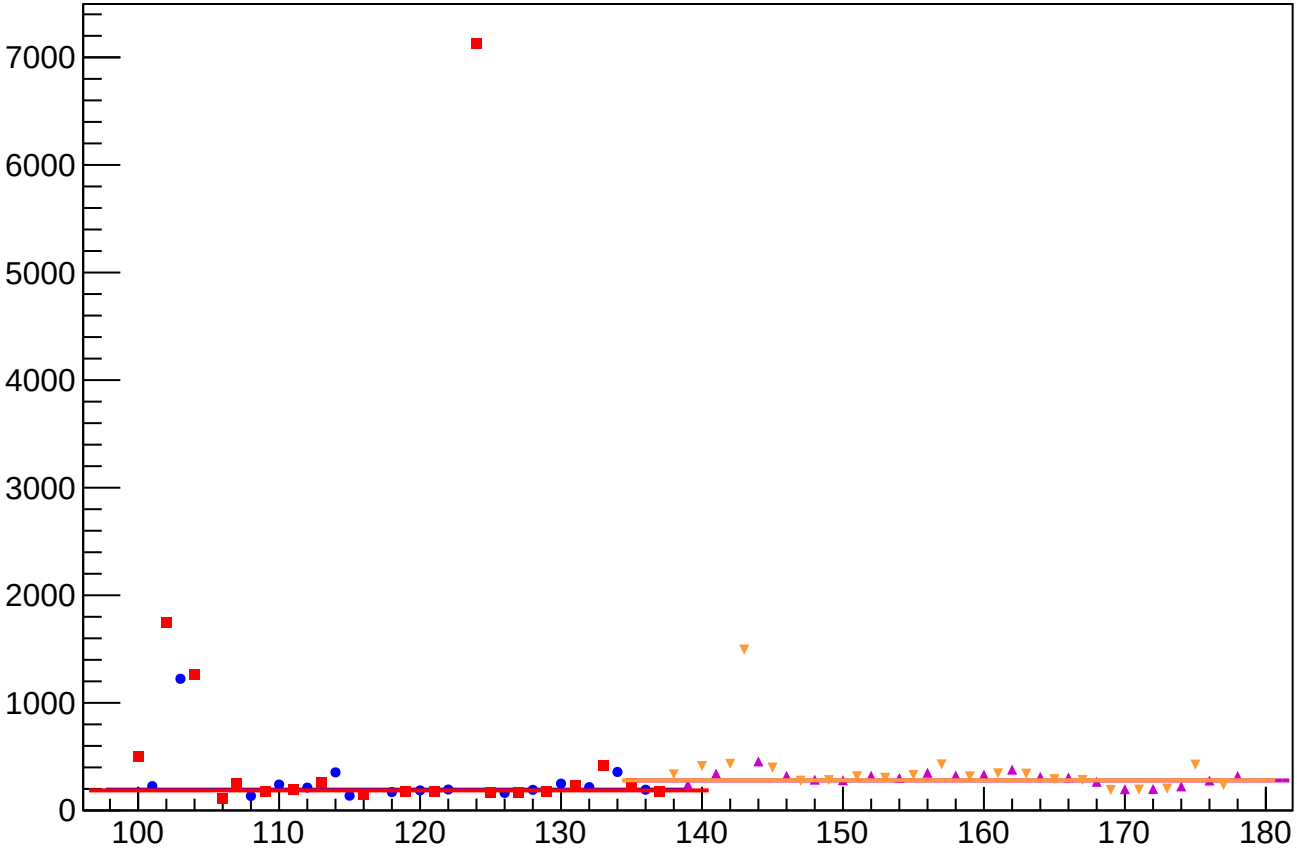
Left In: 0.091+/-0.072 χ^2/NDF:29.6/19

+ sign -0.016+/-0.053 χ^2/NDF: 35.2/36

All: 0.005+/-0.038 χ^2/NDF: 89.9/75

- sign 0.027+/-0.053 χ^2/NDF: 54.3/38

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: 280.211+/-0.052 χ^2/NDF:3016123.3/20

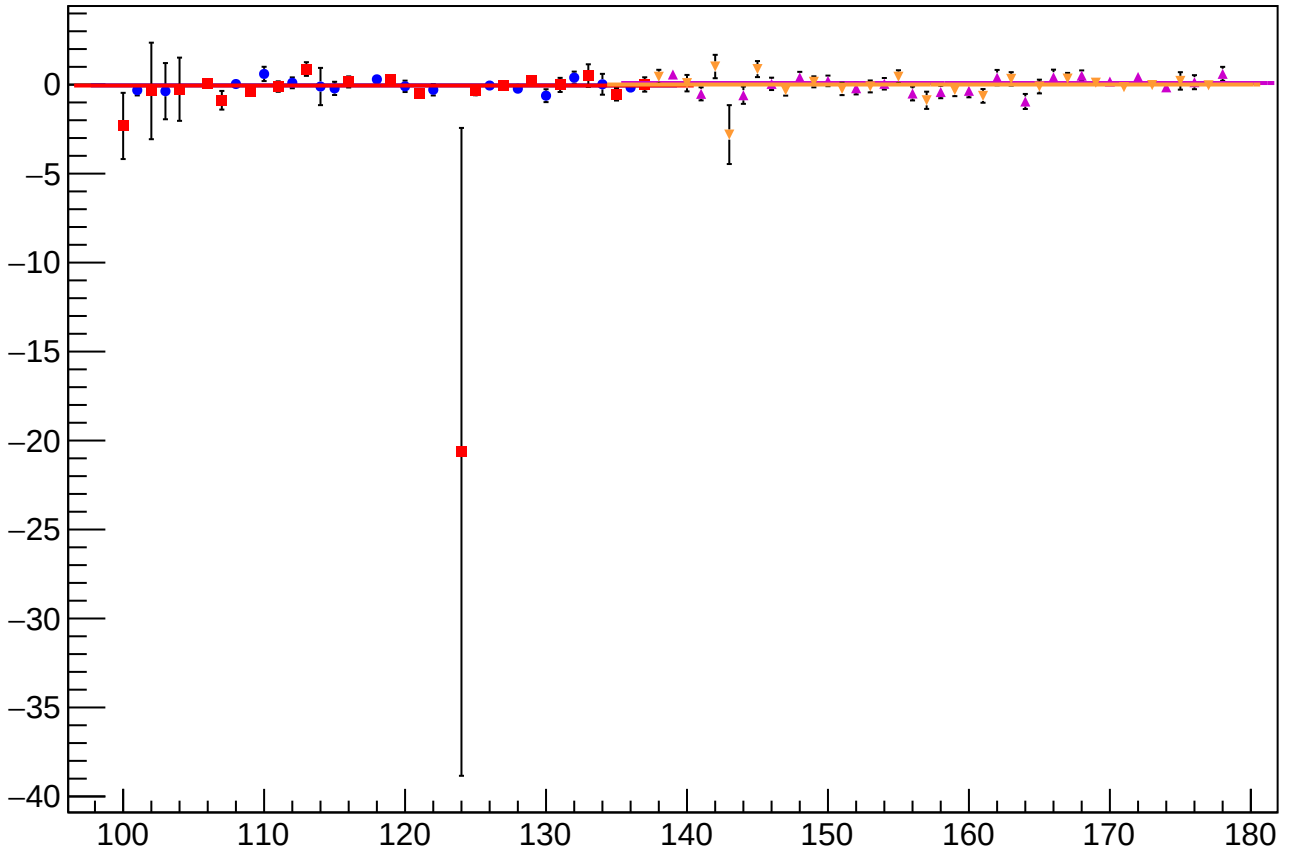
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 278.865+/-0.051 χ^2/NDF:1346569.2/19

+ sign 239.194+/-0.038 χ^2/NDF: 5746378.3/36

All: 237.869+/-0.027 χ^2/NDF: 11069488.8/75

- sign 236.548+/-0.038 χ^2/NDF: 5320650.2/38



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.007+/-0.073 χ^2/NDF:23.3/20

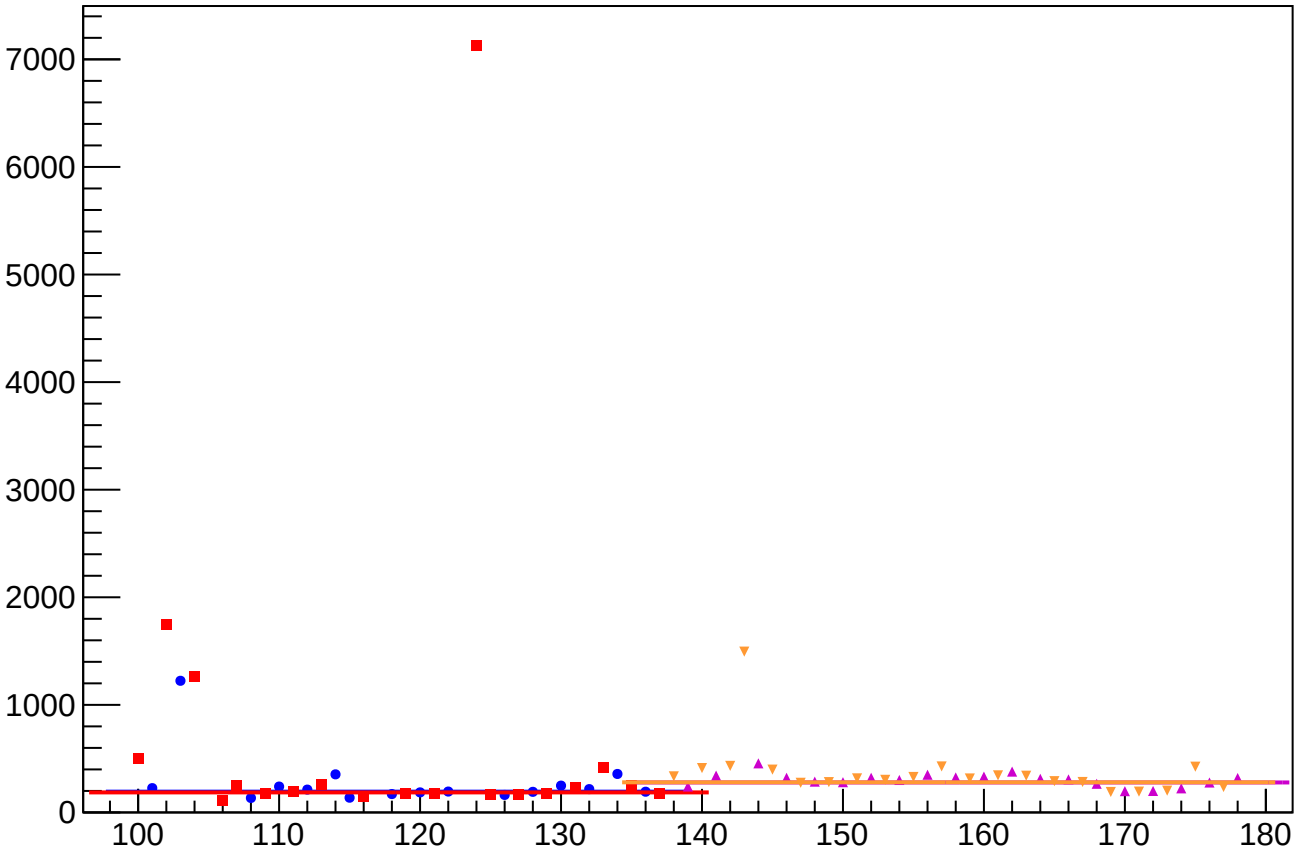
Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.091+/-0.072 χ^2/NDF:29.6/19

+ sign -0.016+/-0.053 χ^2/NDF: 35.2/36

All: 0.005+/-0.038 χ^2/NDF: 89.9/75

- sign 0.027+/-0.053 χ^2/NDF: 54.3/38



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 280.211+/-0.052 χ^2/NDF:3016123.3/20

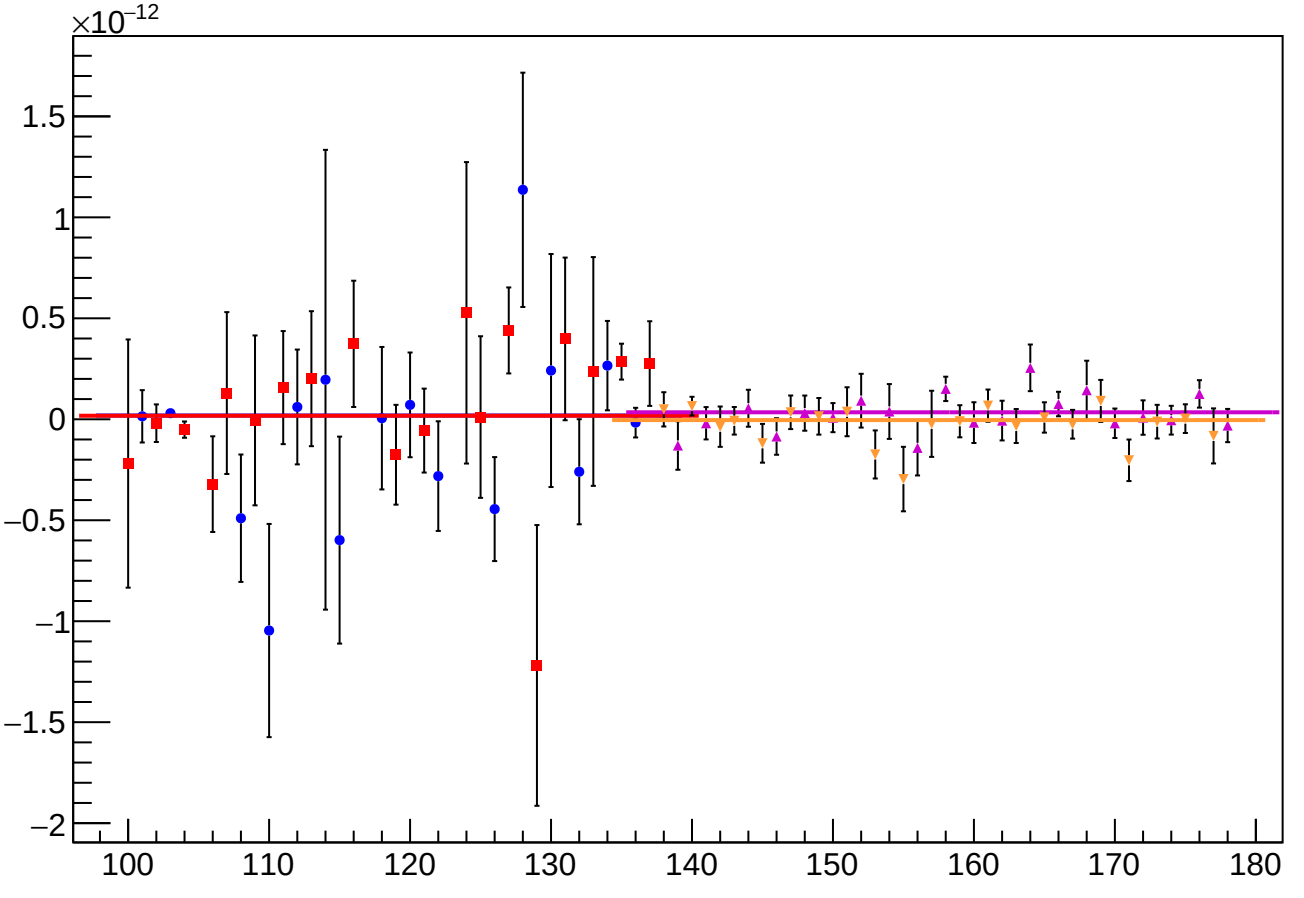
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 278.865+/-0.051 χ^2/NDF:1346569.2/19

+ sign 239.194+/-0.038 χ^2/NDF: 5746378.3/36

All: 237.869+/-0.027 χ^2/NDF: 11069488.8/75

- sign 236.548+/-0.038 χ^2/NDF: 5320650.2/38



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.9/20

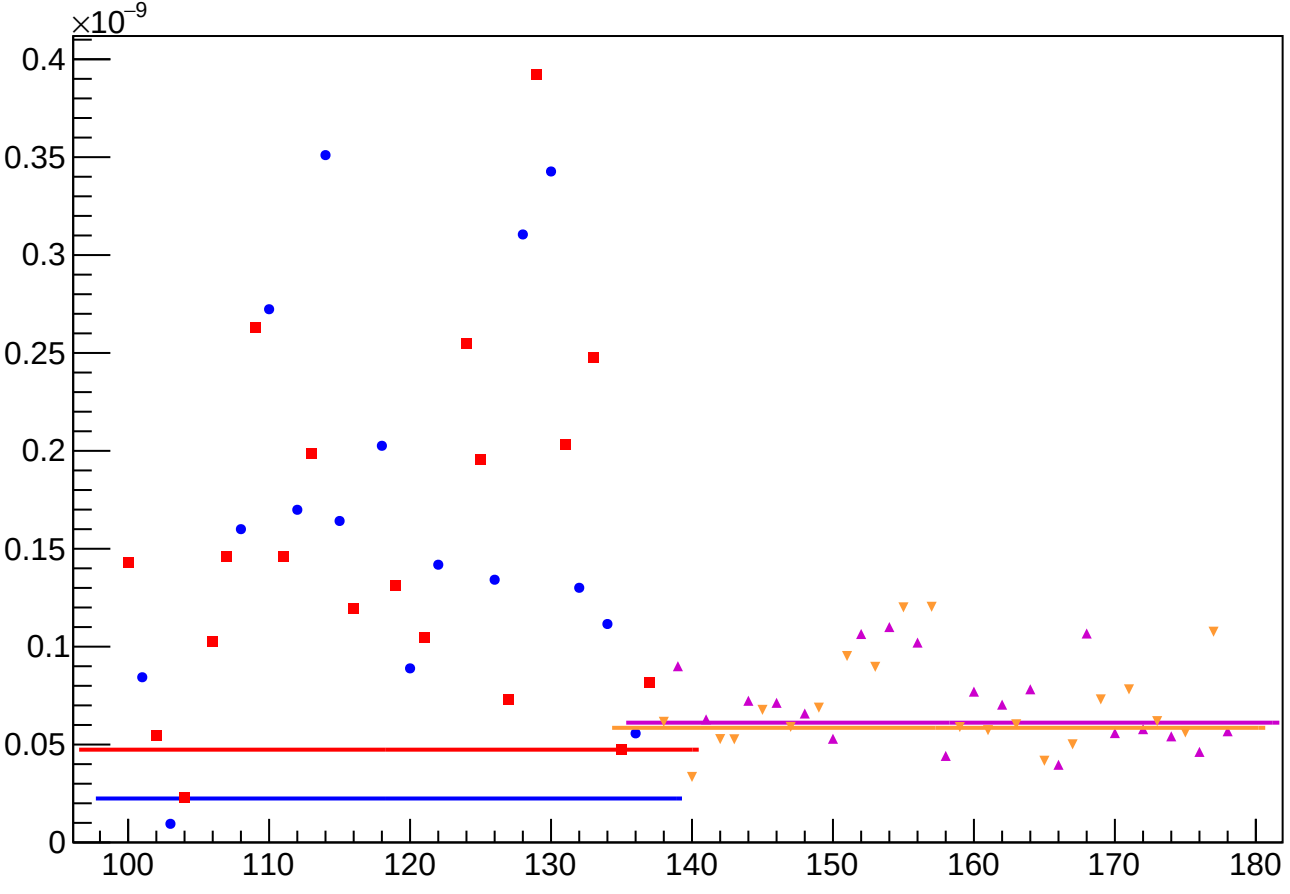
Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: 0.000+/-0.000 χ^2/NDF:18.3/19

+ sign 0.000+/-0.000 χ^2/NDF: 36.0/36

All: 0.000+/-0.000 χ^2/NDF: 82.9/75

- sign 0.000+/-0.000 χ^2/NDF: 45.6/38



Right In: 0.000+/-0.000 χ^2/NDF: 6410173.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2060739.6/20

Right Out: 0.000+/-0.000 χ^2/NDF: 4236050.4/18

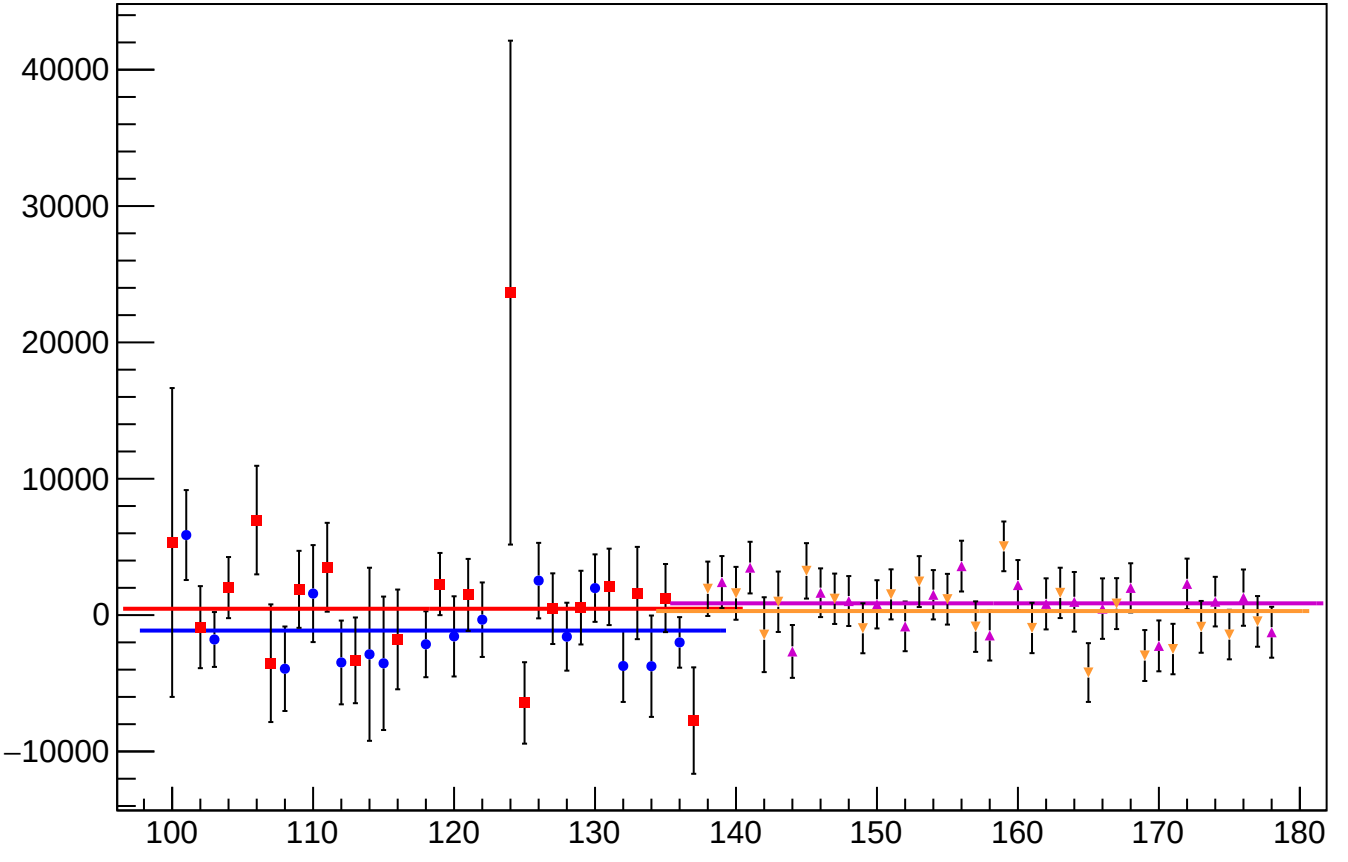
Left In: 0.000+/-0.000 χ^2/NDF:1722038.7/19

+ sign 0.000+/-0.000 χ^2/NDF: 11869874.9/36

All: 0.000+/-0.000 χ^2/NDF: 19090816.5/75

- sign 0.000+/-0.000 χ^2/NDF: 6240984.0/38

reg_asym_atl1r2_dd_mean vs Slug



Right In: -1134.630+/-693.782 χ^2/NDF: 12.2/15

Left Out: 295.882+/-419.283 χ^2/NDF:25.8/20

Right Out: 465.519+/-705.926 χ^2/NDF: 20.0/18

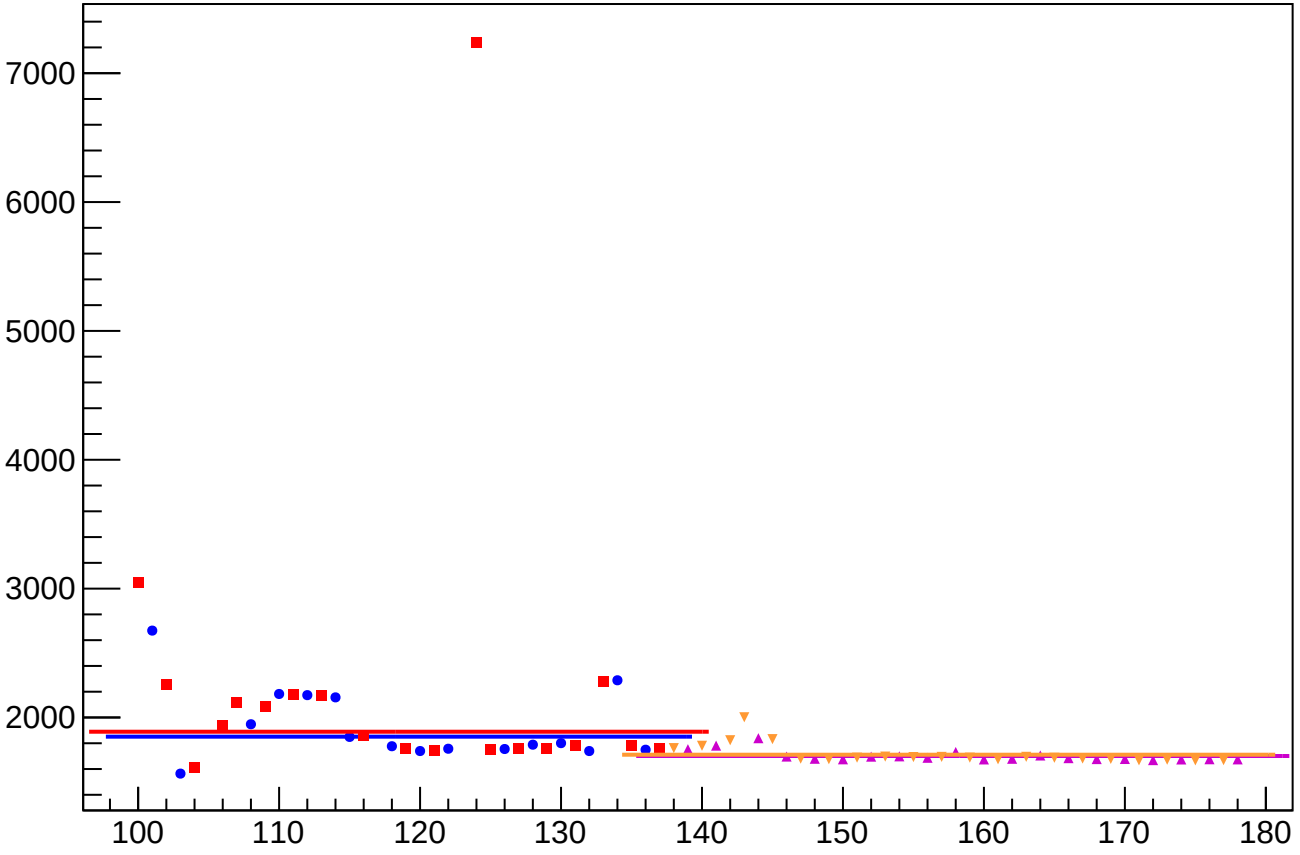
Left In: 863.400+/-420.867 χ^2/NDF:16.5/19

+ sign -86.813+/-358.842 χ^2/NDF: 41.1/36

All: 333.008+/-254.673 χ^2/NDF: 80.7/75

- sign 759.062+/-361.496 χ^2/NDF: 36.8/38

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1711.042+/-0.296 χ^2/NDF:57466.8/20

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

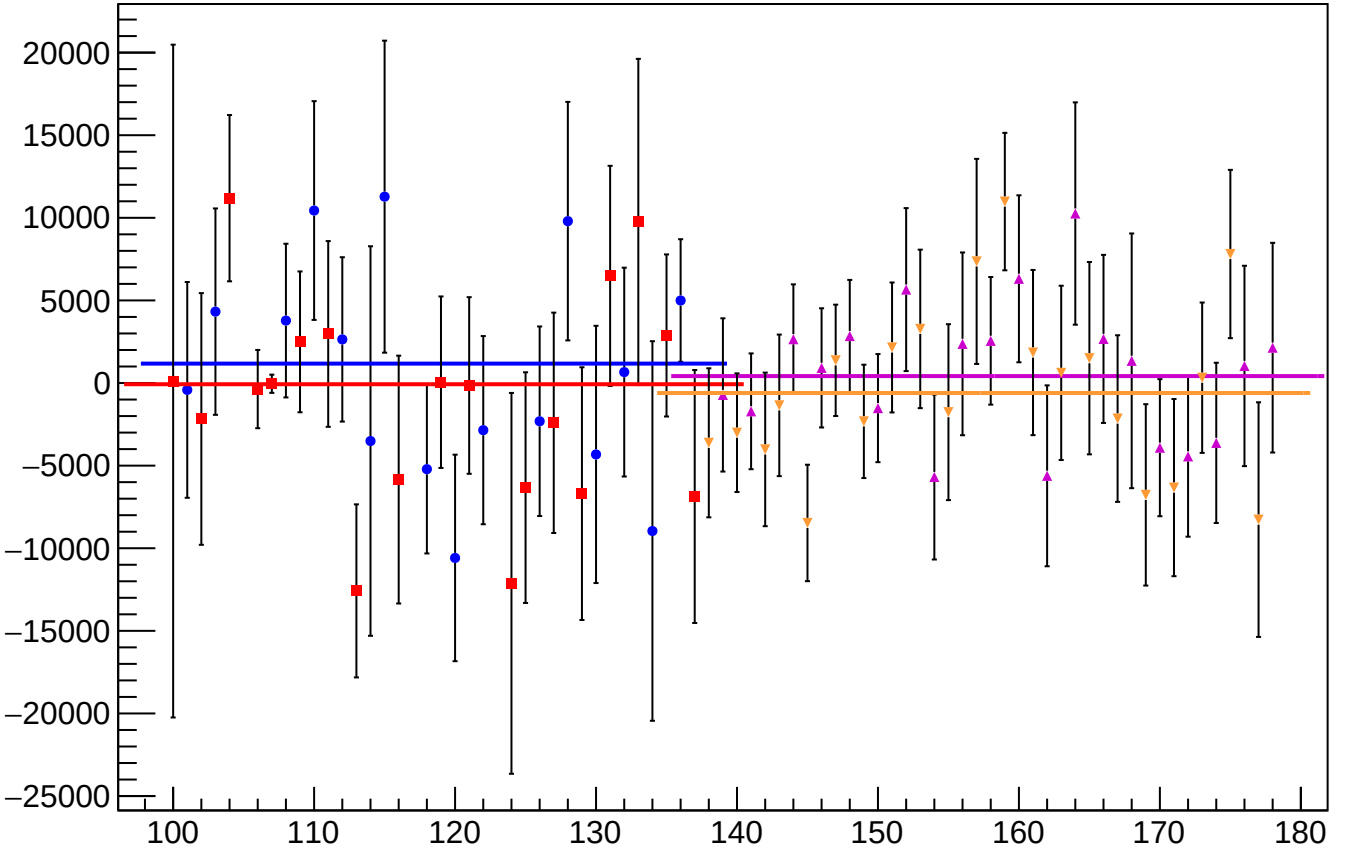
Left In: 1701.061+/-0.298 χ^2/NDF:19885.6/19

+ sign 1748.519+/-0.254 χ^2/NDF: 377176.5/36

All: 1749.579+/-0.180 χ^2/NDF: 861531.8/75

- sign 1750.653+/-0.255 χ^2/NDF: 484320.1/38

asym_atl1r2_dd_reg_correction_mean vs Slug



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -603.909+/-986.445 χ^2/NDF:24.5/20

Right Out: -72.681+/-505.693 χ^2/NDF: 17.9/18

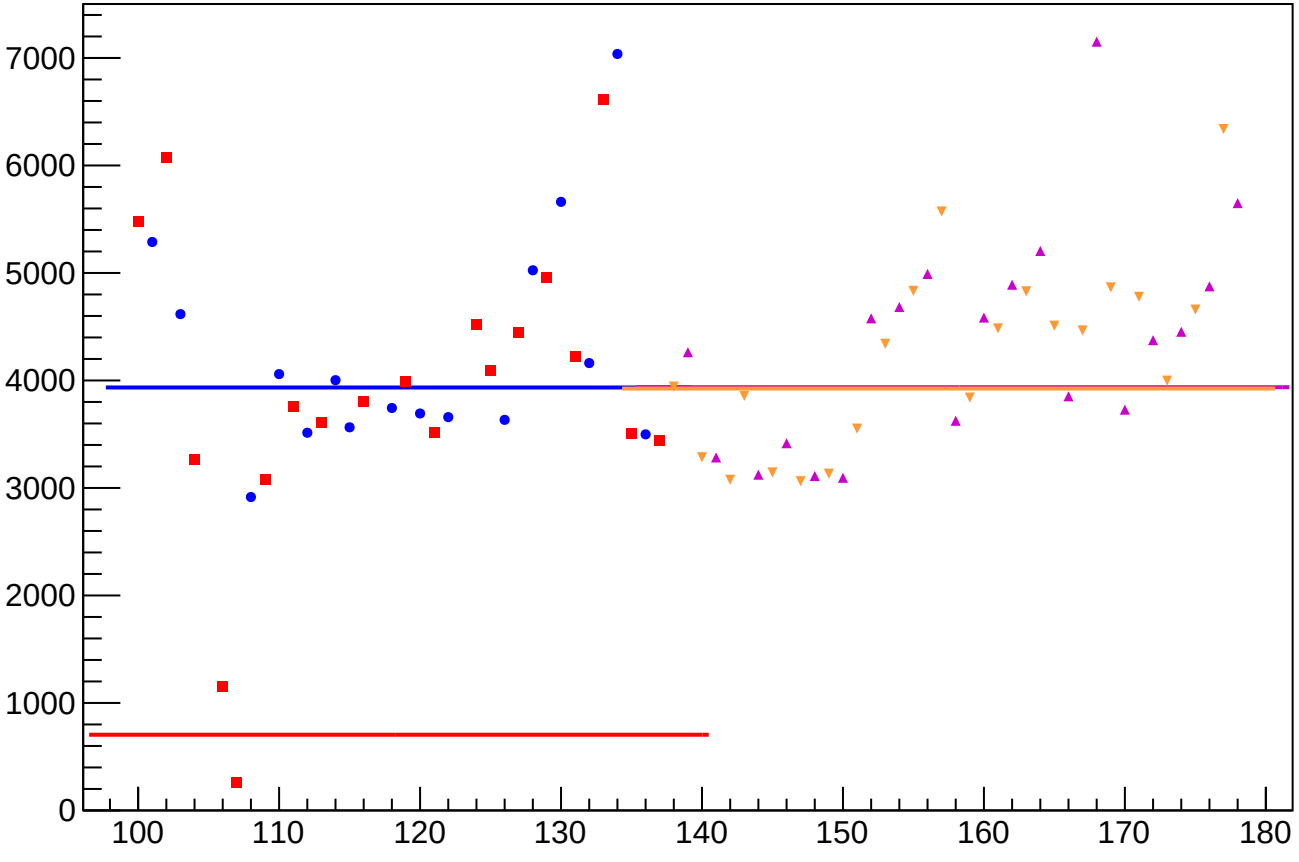
Left In: 419.951+/-999.172 χ^2/NDF:12.6/19

+ sign -67.774+/-824.546 χ^2/NDF: 39.2/36

All: 5.757+/-395.812 χ^2/NDF: 69.9/75

- sign 27.775+/-451.197 χ^2/NDF: 30.7/38

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3925.039+/-0.698 χ^2/NDF:1208643.1/20

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

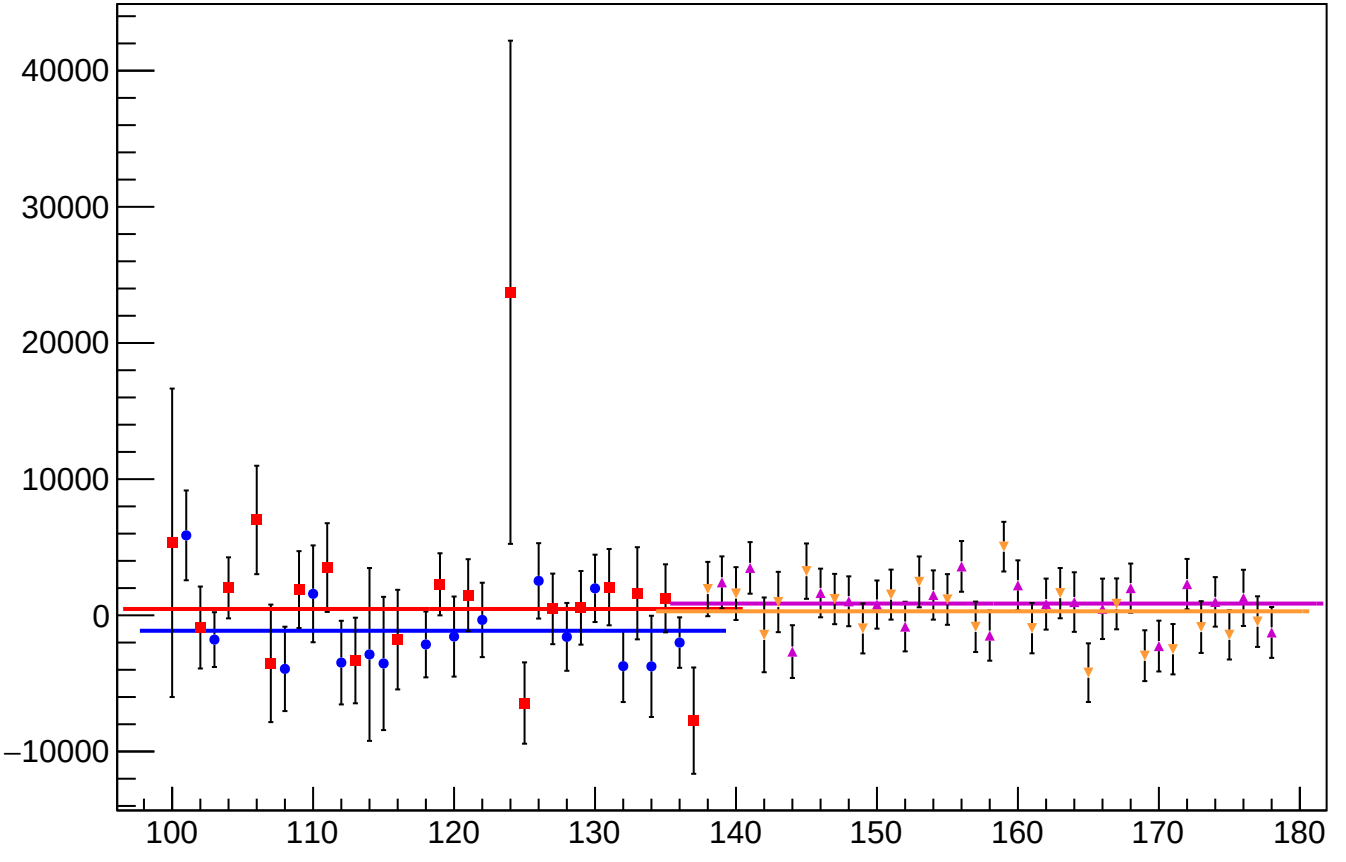
Left In: 3937.214+/-0.707 χ^2/NDF:1406498.8/19

+ sign 3927.955+/-0.583 χ^2/NDF: 1768826.7/36

All: 1954.527+/-0.280 χ^2/NDF: 45348276.8/7

- sign 1363.612+/-0.319 χ^2/NDF: 28692765.1/38

cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 295.918+/-419.283 χ^2/NDF:25.8/20

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

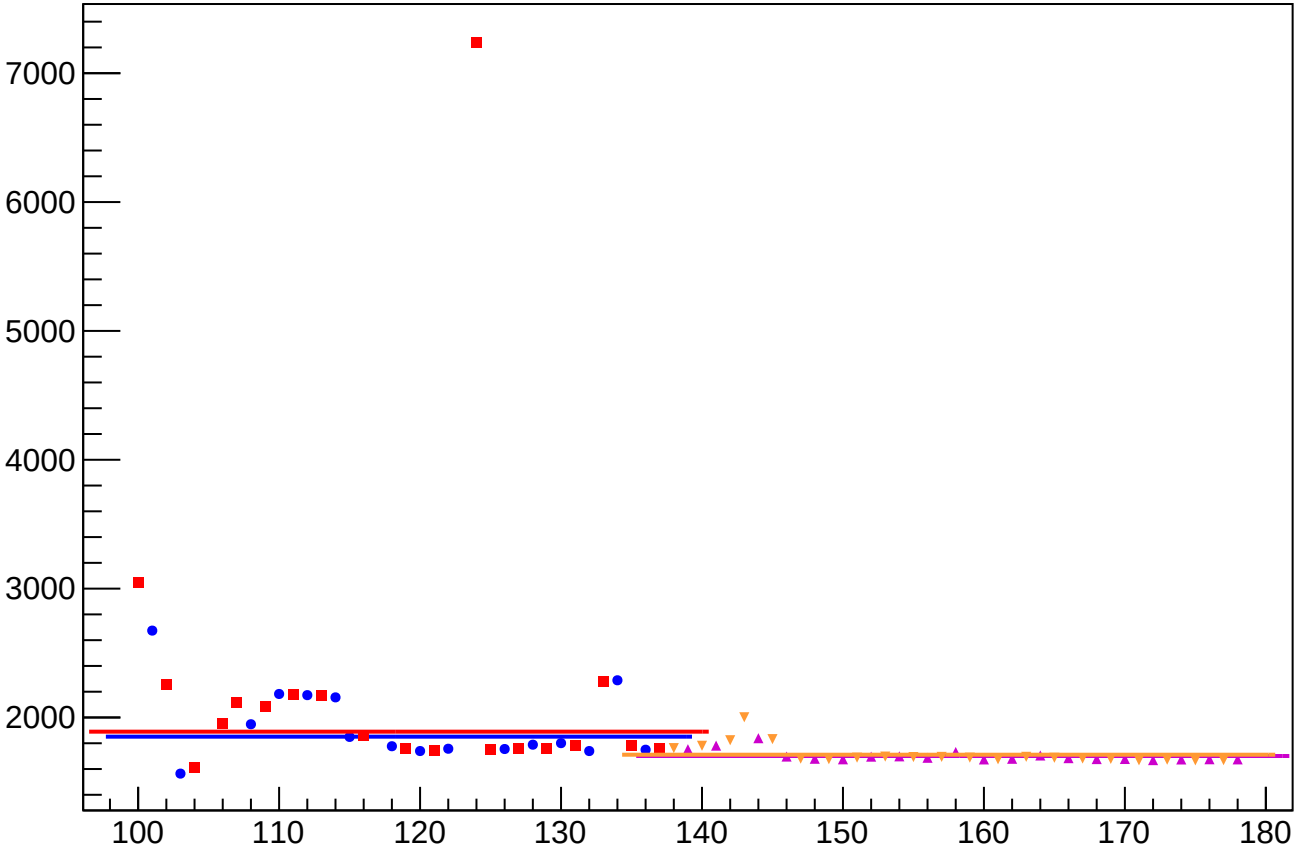
Left In: 863.293+/-420.867 χ^2/NDF:16.5/19

+ sign -86.673+/-358.842 χ^2/NDF: 41.1/36

All: 333.089+/-254.673 χ^2/NDF: 80.7/75

- sign 759.083+/-361.496 χ^2/NDF: 36.8/38

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1711.042+/-0.296 χ^2/NDF:57466.8/20

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

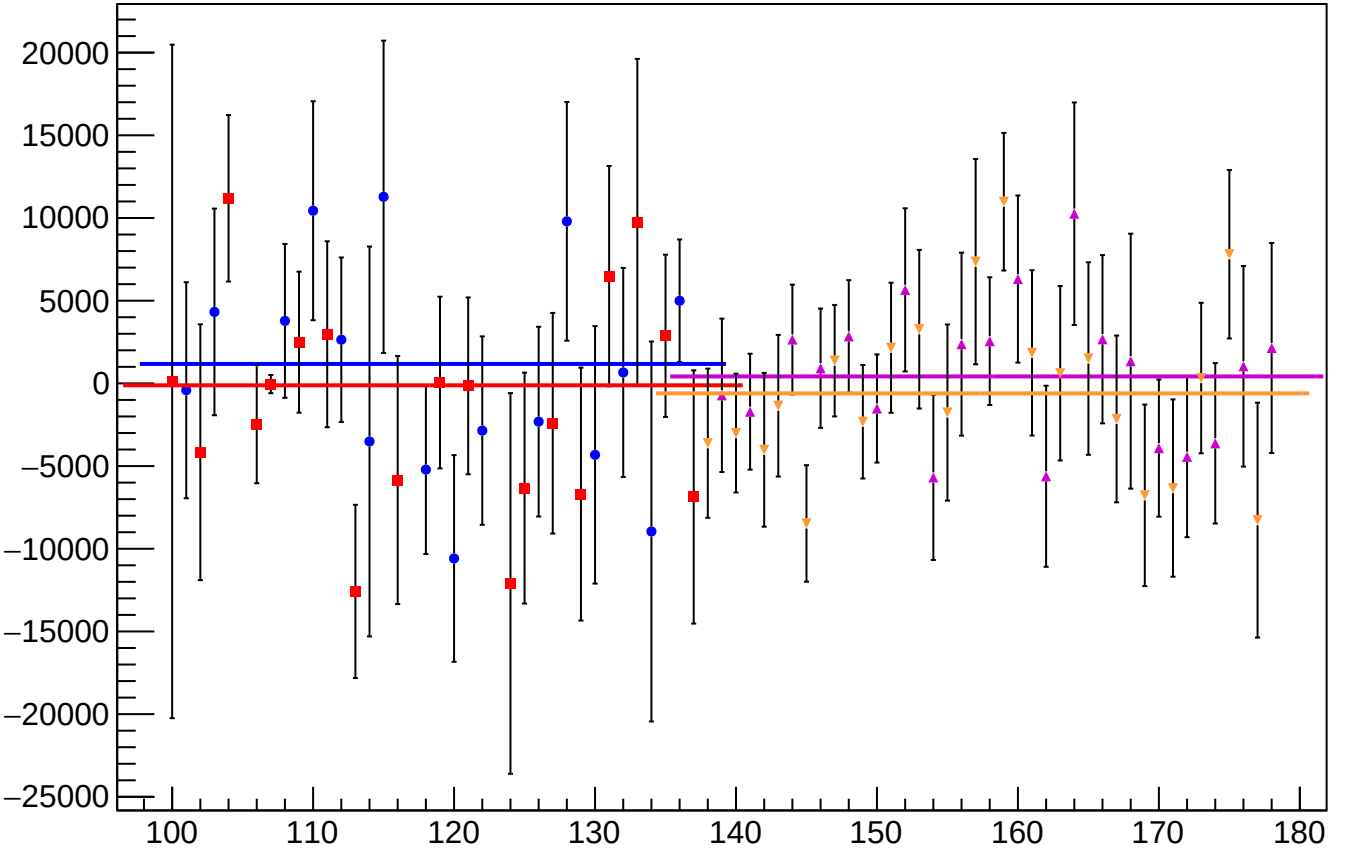
Left In: 1701.061+/-0.298 χ^2/NDF:19885.6/19

+ sign 1748.519+/-0.254 χ^2/NDF: 377176.0/36

All: 1749.630+/-0.180 χ^2/NDF: 862232.8/75

- sign 1750.757+/-0.255 χ^2/NDF: 485018.2/38

asym_atl1r2_dd_cor_correction_mean vs Slug



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -603.925+/-986.443 χ^2/NDF:24.5/20

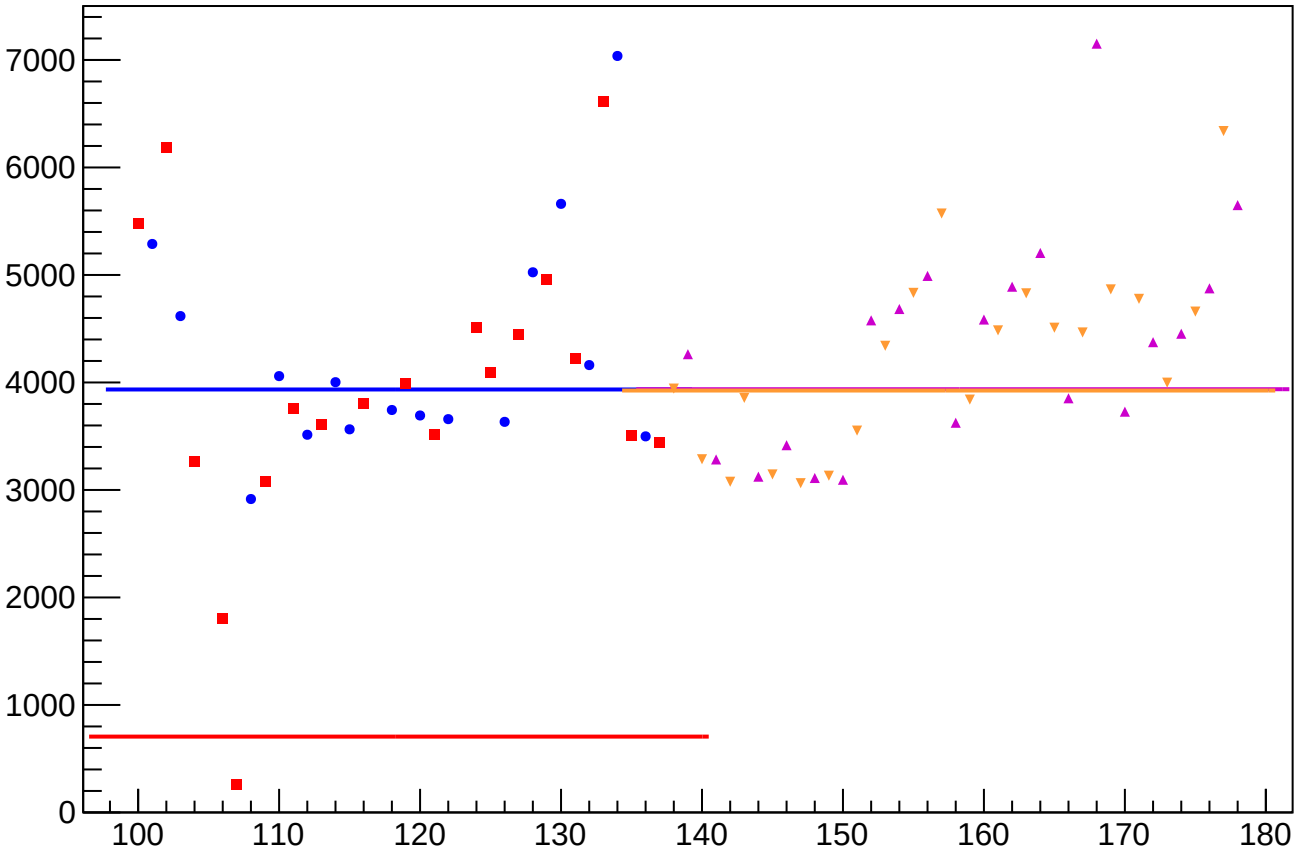
Right Out: -115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: 419.912+/-999.171 χ^2/NDF:12.6/19

\+ sign -67.796+/-824.545 χ^2/NDF: 39.2/36

All: -19.227+/-398.951 χ^2/NDF: 70.6/75

\- sign -4.381+/-455.863 χ^2/NDF: 31.4/38



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3925.029+/-0.698 χ^2/NDF:1208653.2/20

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

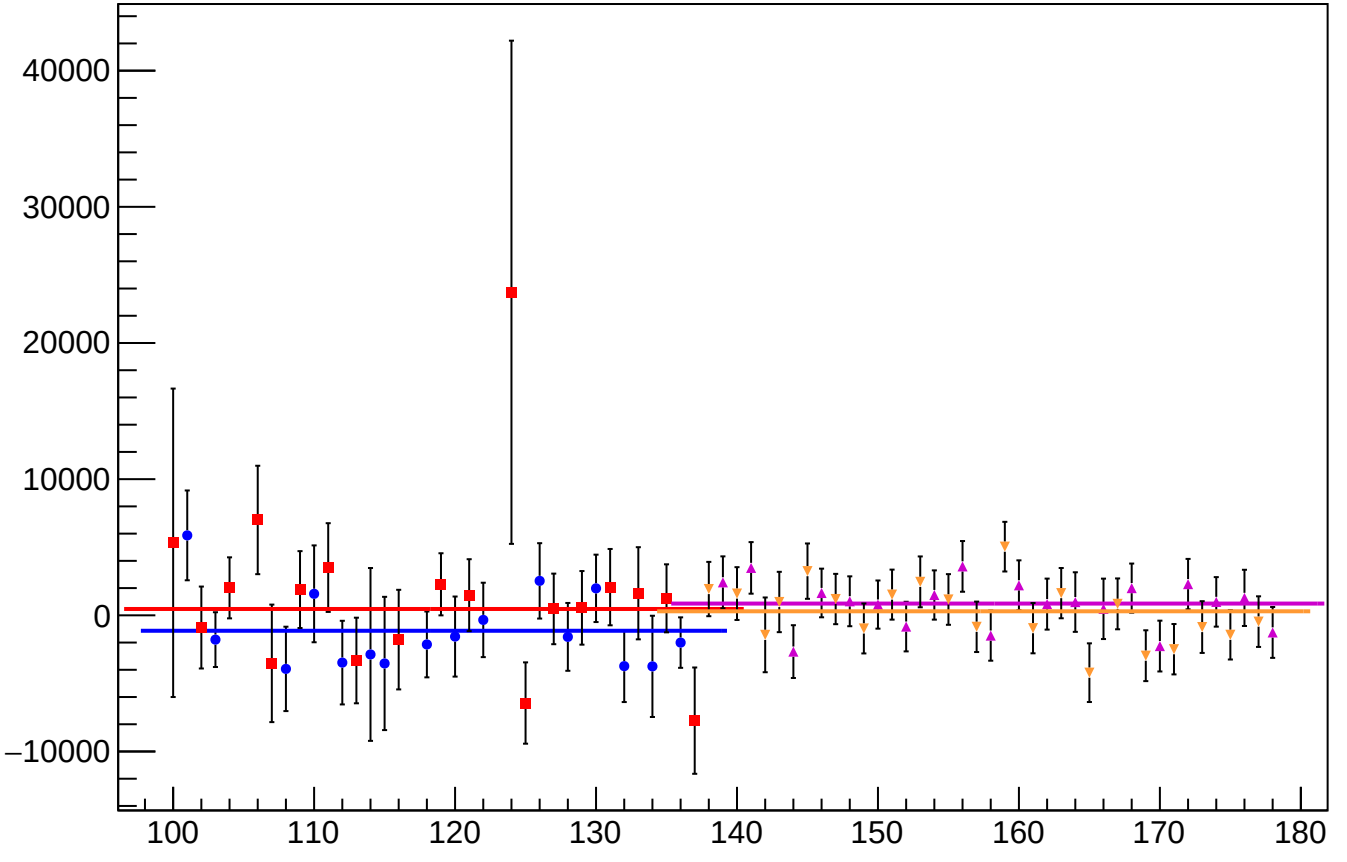
Left In: 3937.213+/-0.707 χ^2/NDF:1406483.7/19

+ sign 3927.951+/-0.583 χ^2/NDF: 1768861.3/36

All: 1975.183+/-0.282 χ^2/NDF: 45135218.5/7

- sign 1378.297+/-0.322 χ^2/NDF: 28719887.3/38

eigen_cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 295.918+/-419.283 χ^2/NDF:25.8/20

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

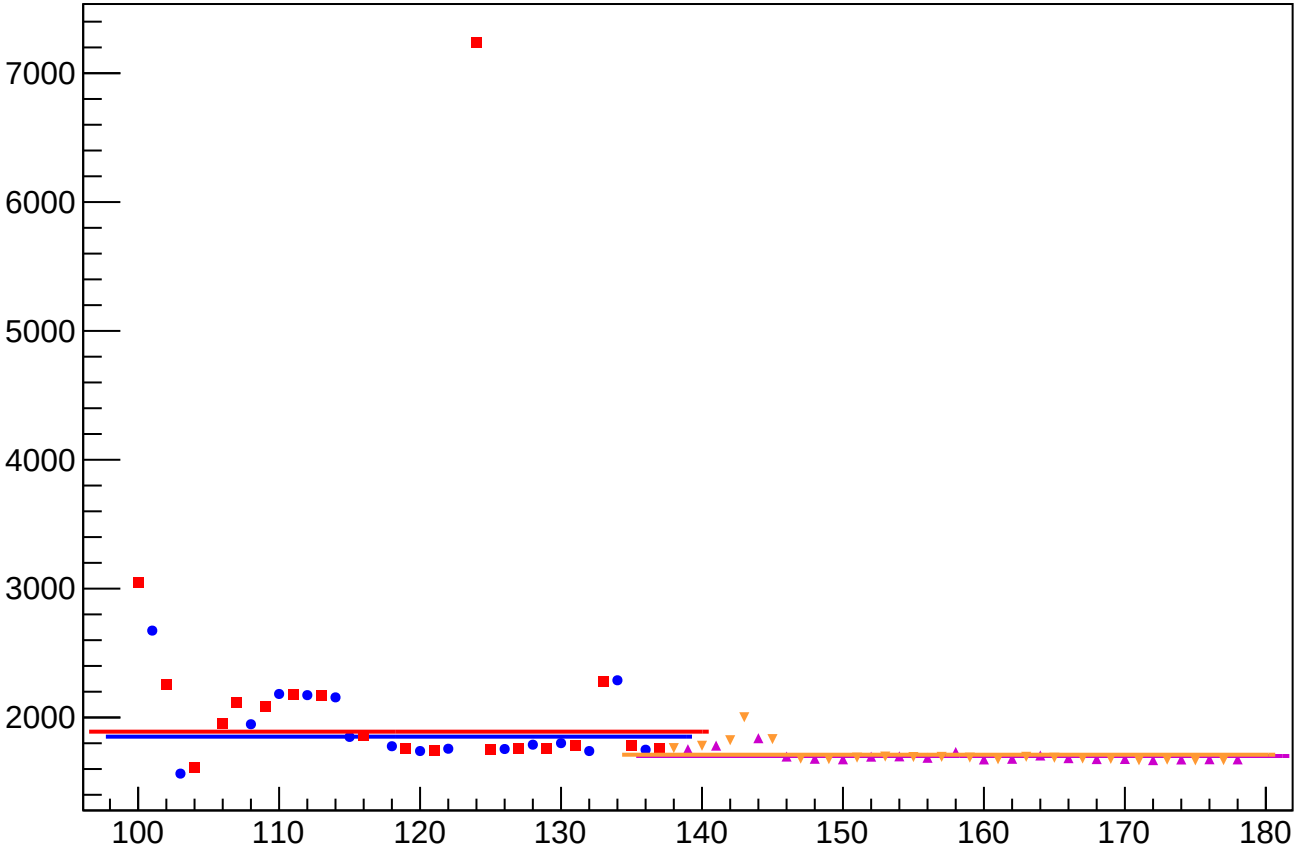
Left In: 863.293+/-420.867 χ^2/NDF:16.5/19

+ sign -86.673+/-358.842 χ^2/NDF: 41.1/36

All: 333.089+/-254.673 χ^2/NDF: 80.7/75

- sign 759.083+/-361.496 χ^2/NDF: 36.8/38

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1711.042+/-0.296 χ^2/NDF:57466.8/20

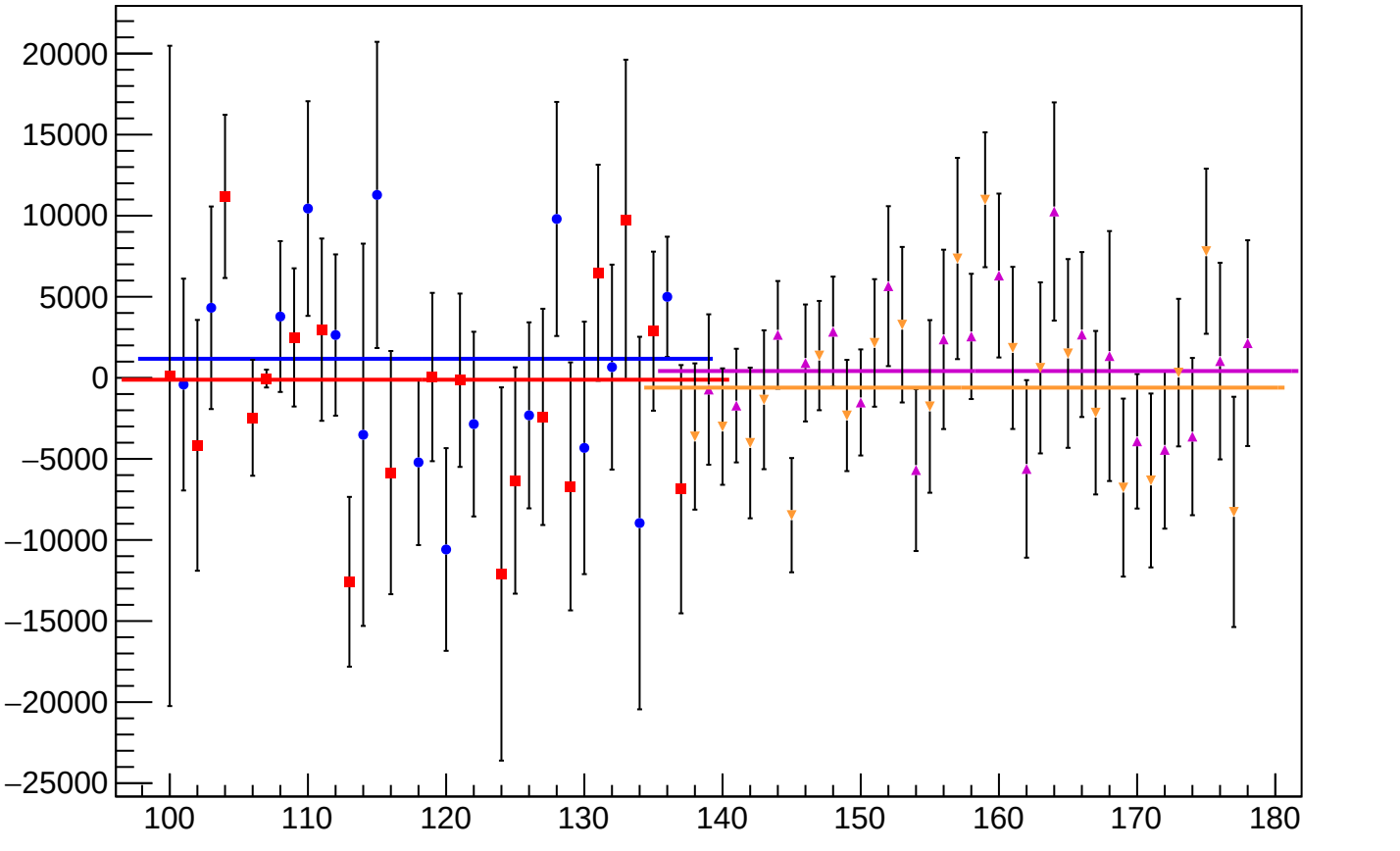
Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1701.061+/-0.298 χ^2/NDF:19885.6/19

+ sign 1748.519+/-0.254 χ^2/NDF: 377176.0/36

All: 1749.630+/-0.180 χ^2/NDF: 862232.8/75

- sign 1750.757+/-0.255 χ^2/NDF: 485018.2/38



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -603.925+/-986.443 χ^2/NDF:24.5/20

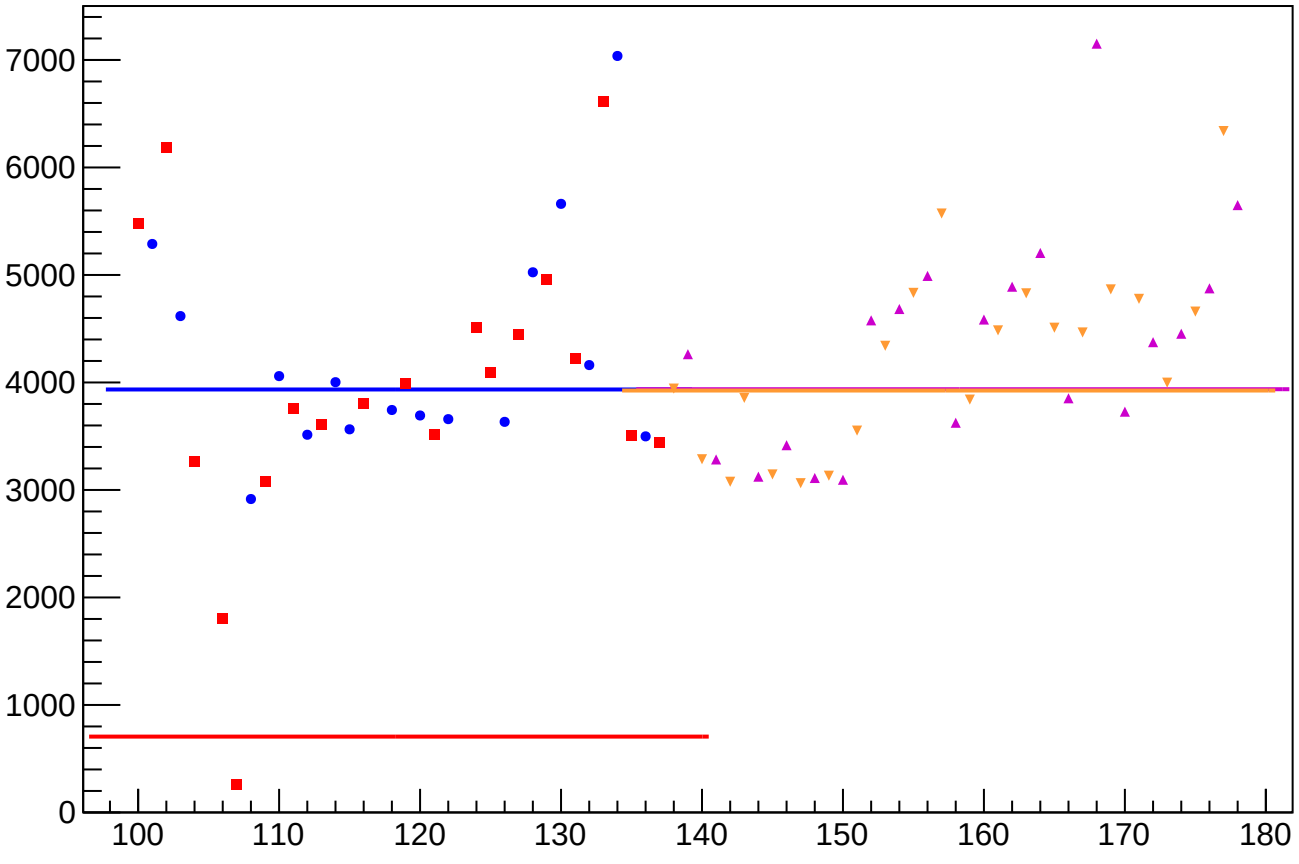
Right Out: -115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: 419.912+/-999.171 χ^2/NDF:12.6/19

\+ sign -67.796+/-824.545 χ^2/NDF: 39.2/36

All: -19.227+/-398.951 χ^2/NDF: 70.6/75

\- sign -4.381+/-455.863 χ^2/NDF: 31.4/38



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3925.029+/-0.698 χ^2/NDF:1208653.2/20

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

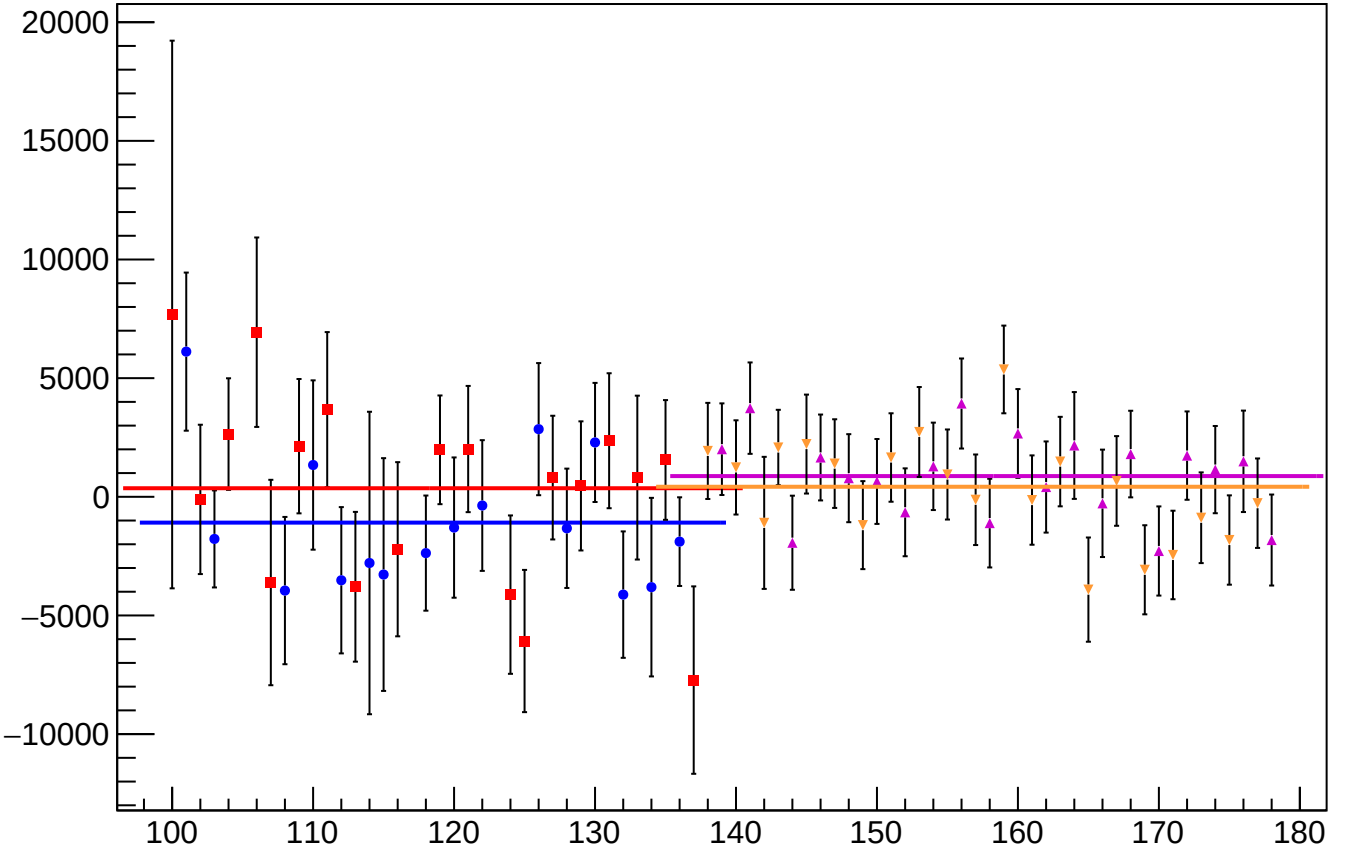
Left In: 3937.213+/-0.707 χ^2/NDF:1406483.7/19

+ sign 3927.951+/-0.583 χ^2/NDF: 1768861.3/36

All: 1975.183+/-0.282 χ^2/NDF: 45135218.5/7

- sign 1378.297+/-0.322 χ^2/NDF: 28719887.3/38

dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.731+/-699.579 χ^2/NDF: 13.2/15

Left Out: 423.670+/-418.785 χ^2/NDF:25.3/20

Right Out: 361.218+/-699.665 χ^2/NDF: 20.8/18

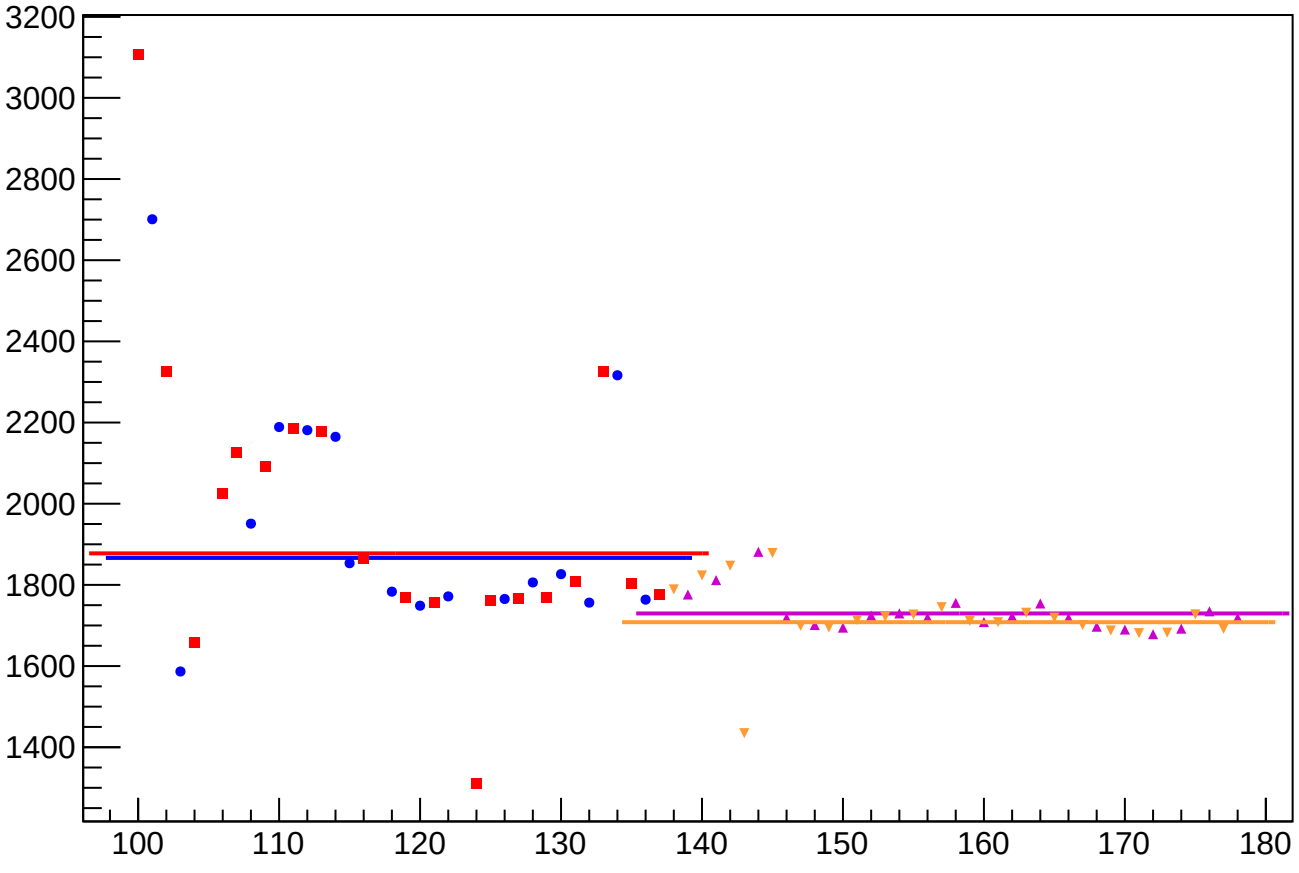
Left In: 873.210+/-427.969 χ^2/NDF:16.2/19

+ sign 24.943+/-359.323 χ^2/NDF: 41.9/36

All: 373.735+/-256.093 χ^2/NDF: 81.2/75

- sign 733.807+/-365.086 χ^2/NDF: 37.4/38

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1708.082+/-0.296 χ^2/NDF:90578.3/20

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

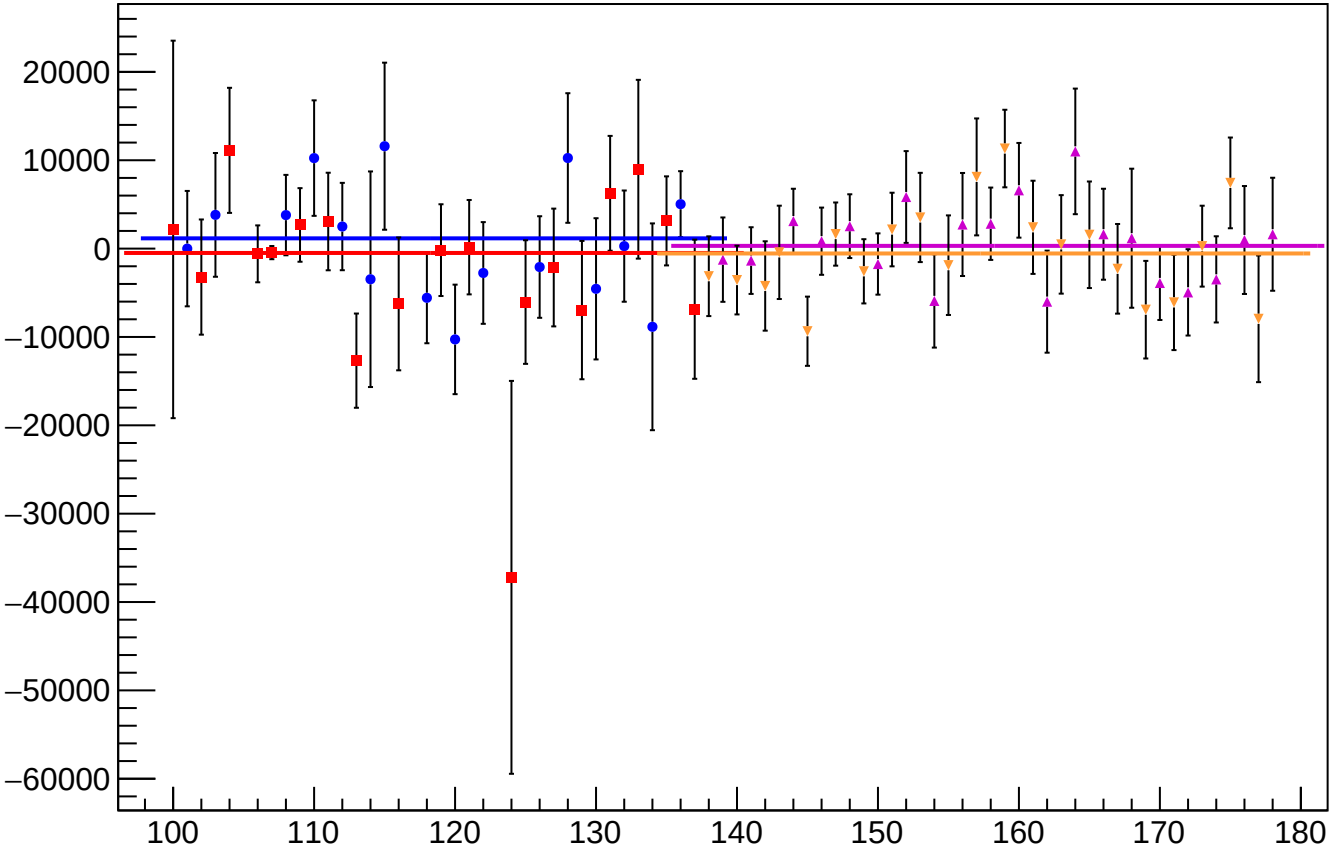
Left In: 1729.615+/-0.303 χ^2/NDF:22825.3/19

+ sign 1749.863+/-0.254 χ^2/NDF: 422299.3/36

All: 1759.760+/-0.181 χ^2/NDF: 765298.9/75

- sign 1769.972+/-0.258 χ^2/NDF: 339916.8/38

asym_atl1r2_dd_dit_correction_mean vs Slug



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -551.129+/-1043.093 χ^2/NDF:23.8/20

Right Out: -492.907+/-658.510 χ^2/NDF: 16.9/18

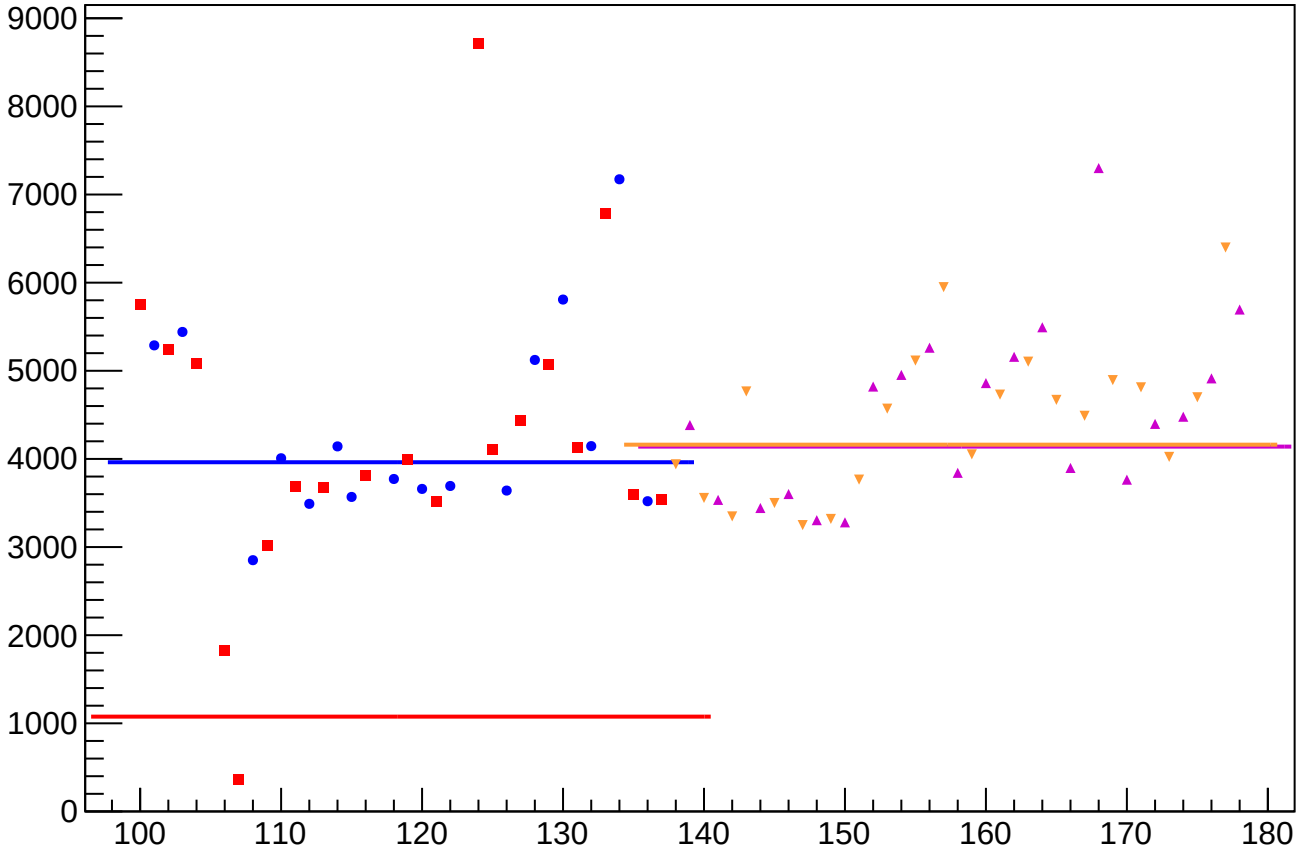
Left In: 310.043+/-1047.914 χ^2/NDF:12.5/19

+ sign 0.894+/-858.640 χ^2/NDF: 38.4/36

All: -186.555+/-467.622 χ^2/NDF: 68.2/75

- sign -265.594+/-557.562 χ^2/NDF: 29.8/38

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 4161.702+/-0.738 χ^2/NDF:1047377.5/20

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

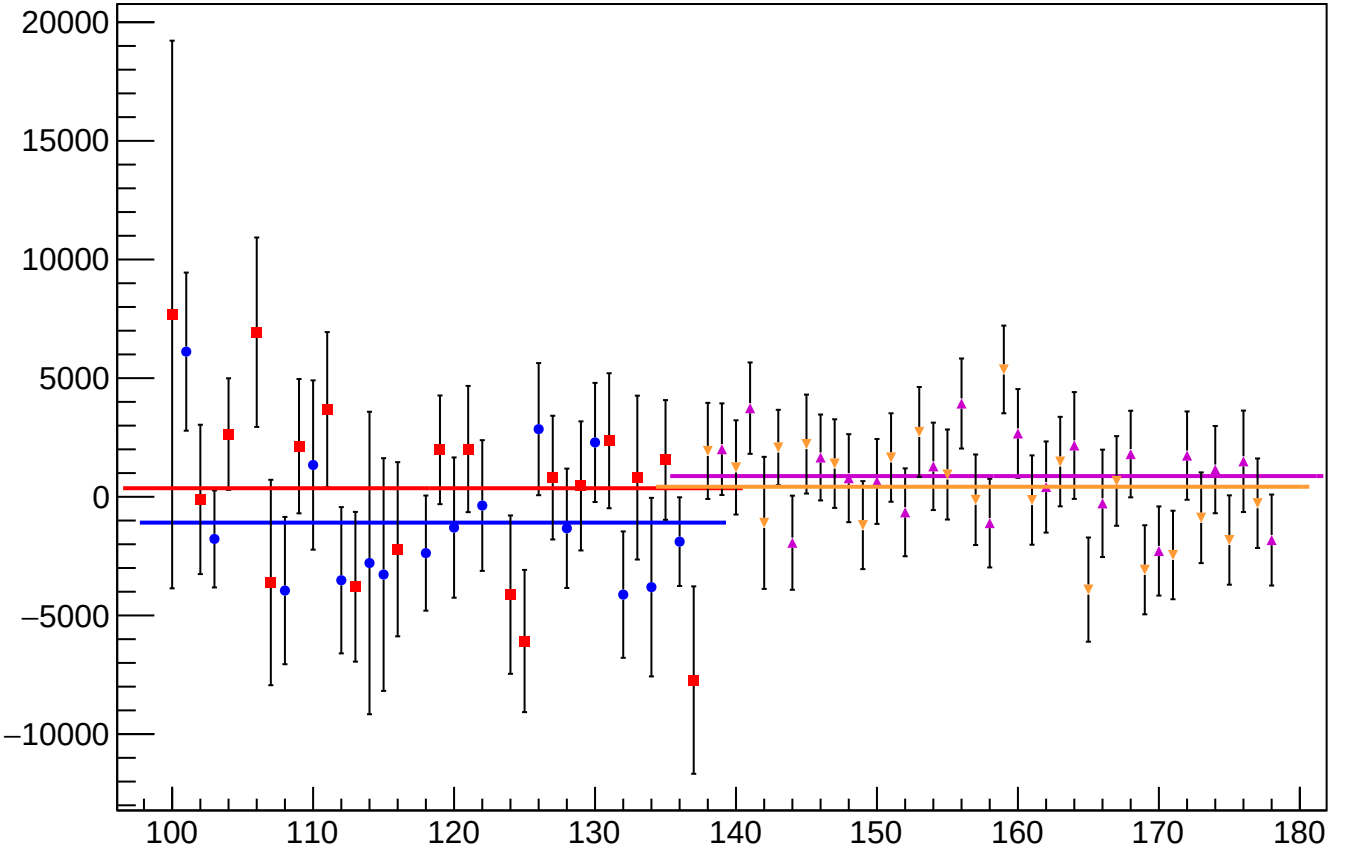
Left In: 4139.670+/-0.741 χ^2/NDF:1245323.4/19

+ sign 4097.438+/-0.607 χ^2/NDF: 1739264.3/36

All: 2582.201+/-0.331 χ^2/NDF: 33653108.6/7

- sign 1943.284+/-0.394 χ^2/NDF: 23059323.8/38

eigen_dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.736+/-699.579 χ^2/NDF: 13.2/15

Left Out: 423.672+/-418.785 χ^2/NDF:25.3/20

Right Out: 361.223+/-699.665 χ^2/NDF: 20.8/18

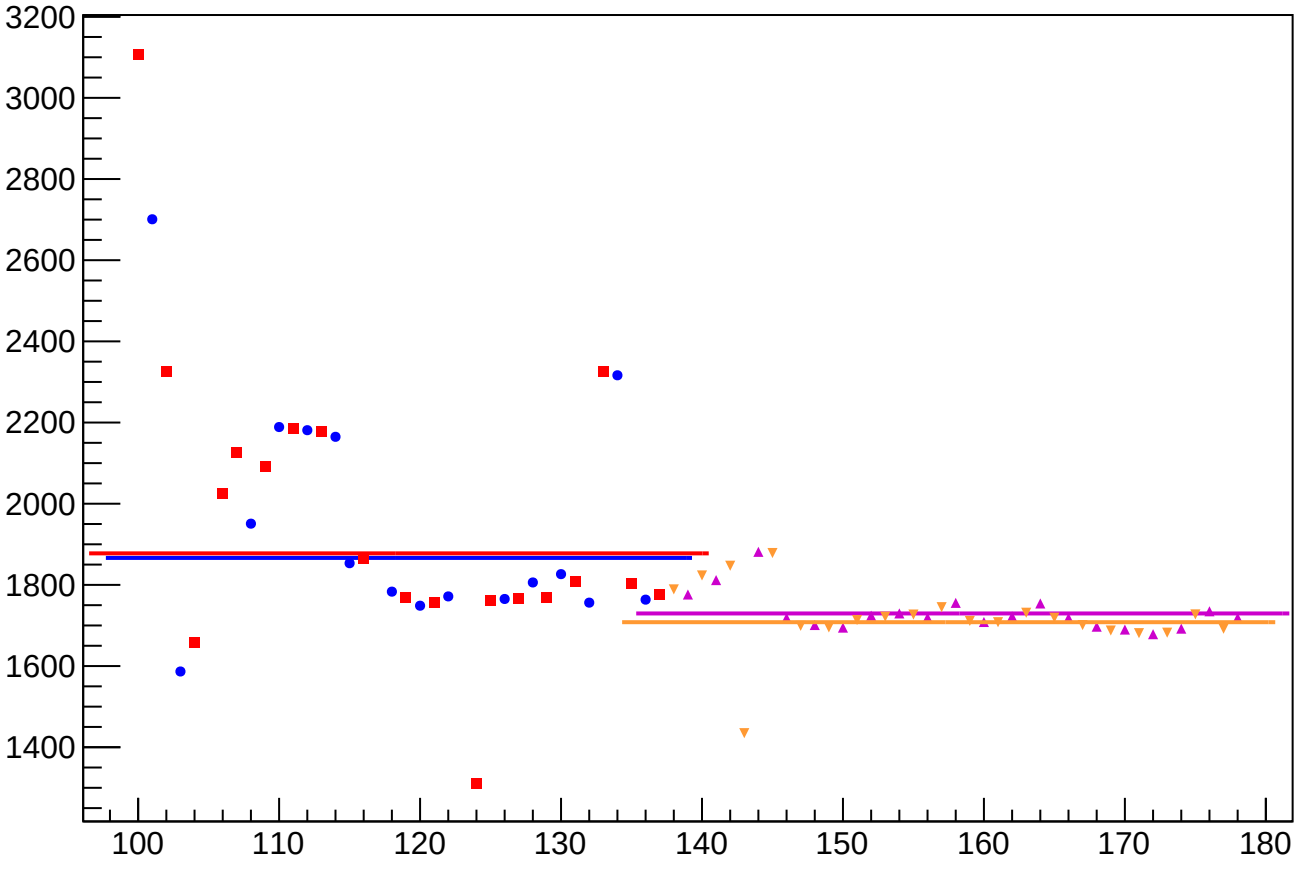
Left In: 873.212+/-427.969 χ^2/NDF:16.2/19

\+ sign 24.943+/-359.323 χ^2/NDF: 41.9/36

All: 373.737+/-256.093 χ^2/NDF: 81.2/75

\- sign 733.809+/-365.086 χ^2/NDF: 37.4/38

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1708.083+/-0.296 χ^2/NDF:90577.5/20

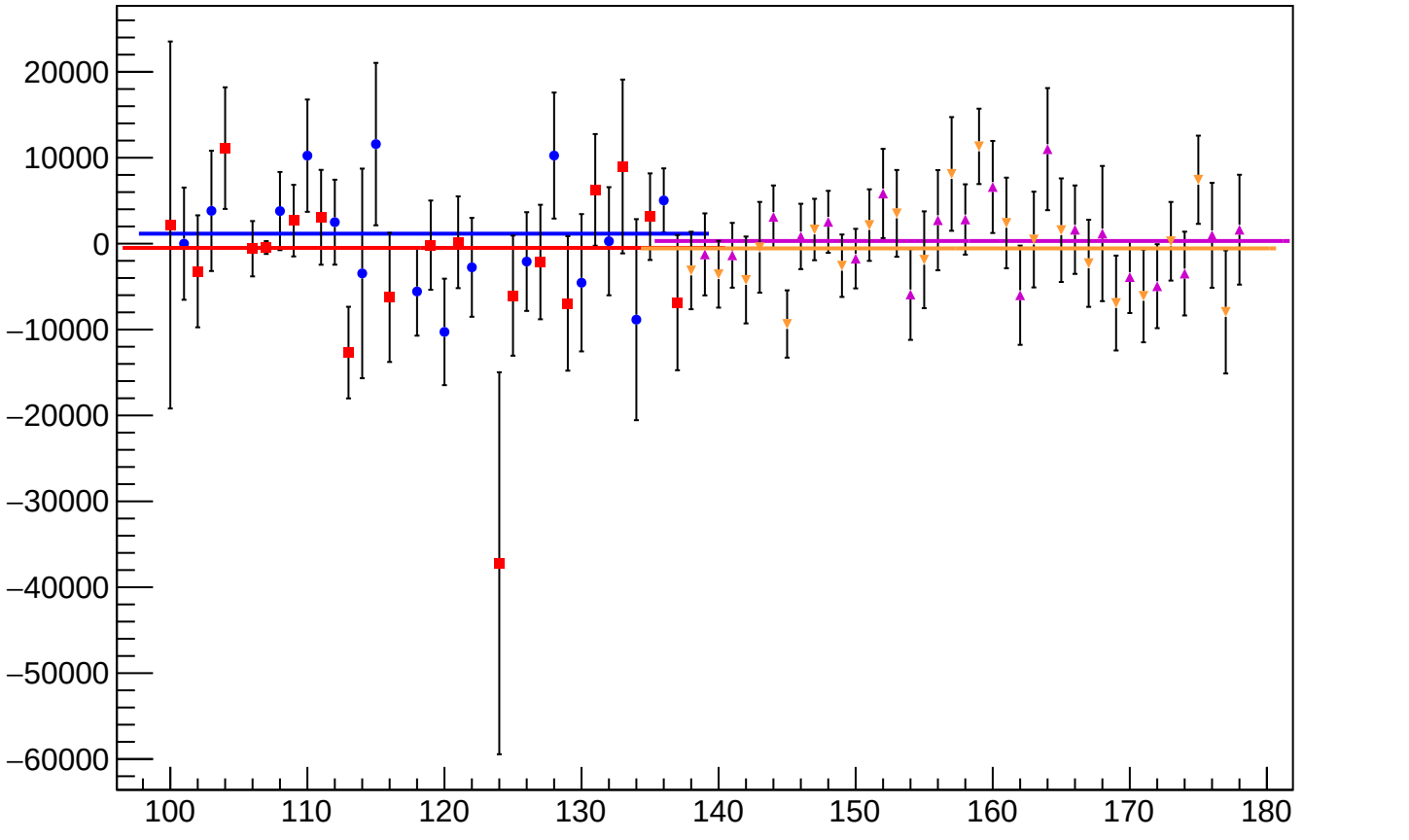
Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1729.615+/-0.303 χ^2/NDF:22825.3/19

+ sign 1749.864+/-0.254 χ^2/NDF: 422297.6/36

All: 1759.761+/-0.181 χ^2/NDF: 765296.9/75

- sign 1769.973+/-0.258 χ^2/NDF: 339916.6/38



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -551.129+/-1043.095 χ^2/NDF:23.8/20

Right Out: -492.914+/-658.521 χ^2/NDF: 16.9/18

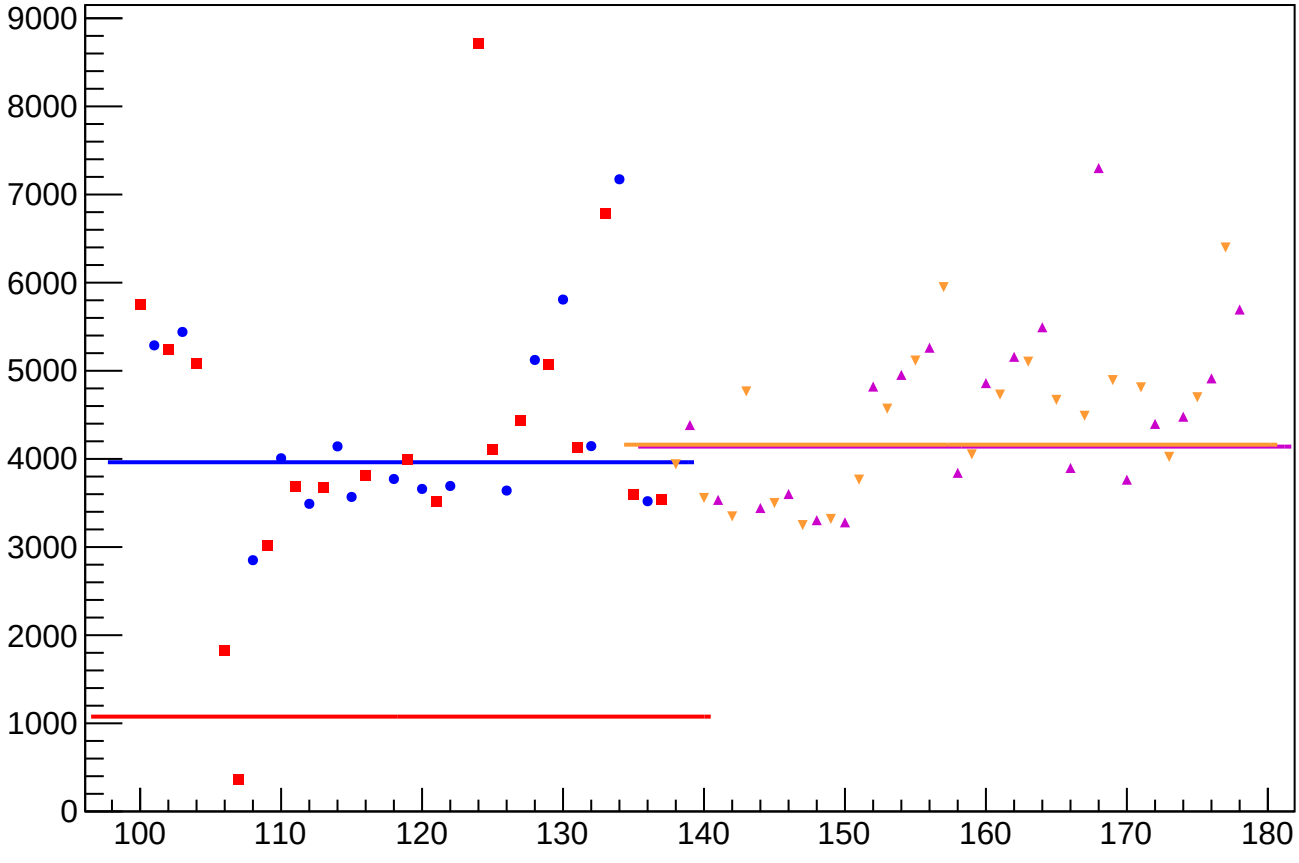
Left In: 310.042+/-1047.915 χ^2/NDF:12.5/19

+ sign 0.890+/-858.640 χ^2/NDF: 38.4/36

All: -186.555+/-467.626 χ^2/NDF: 68.2/75

- sign -265.595+/-557.568 χ^2/NDF: 29.8/38

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 4161.708+/-0.738 χ^2/NDF:1047377.7/20

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

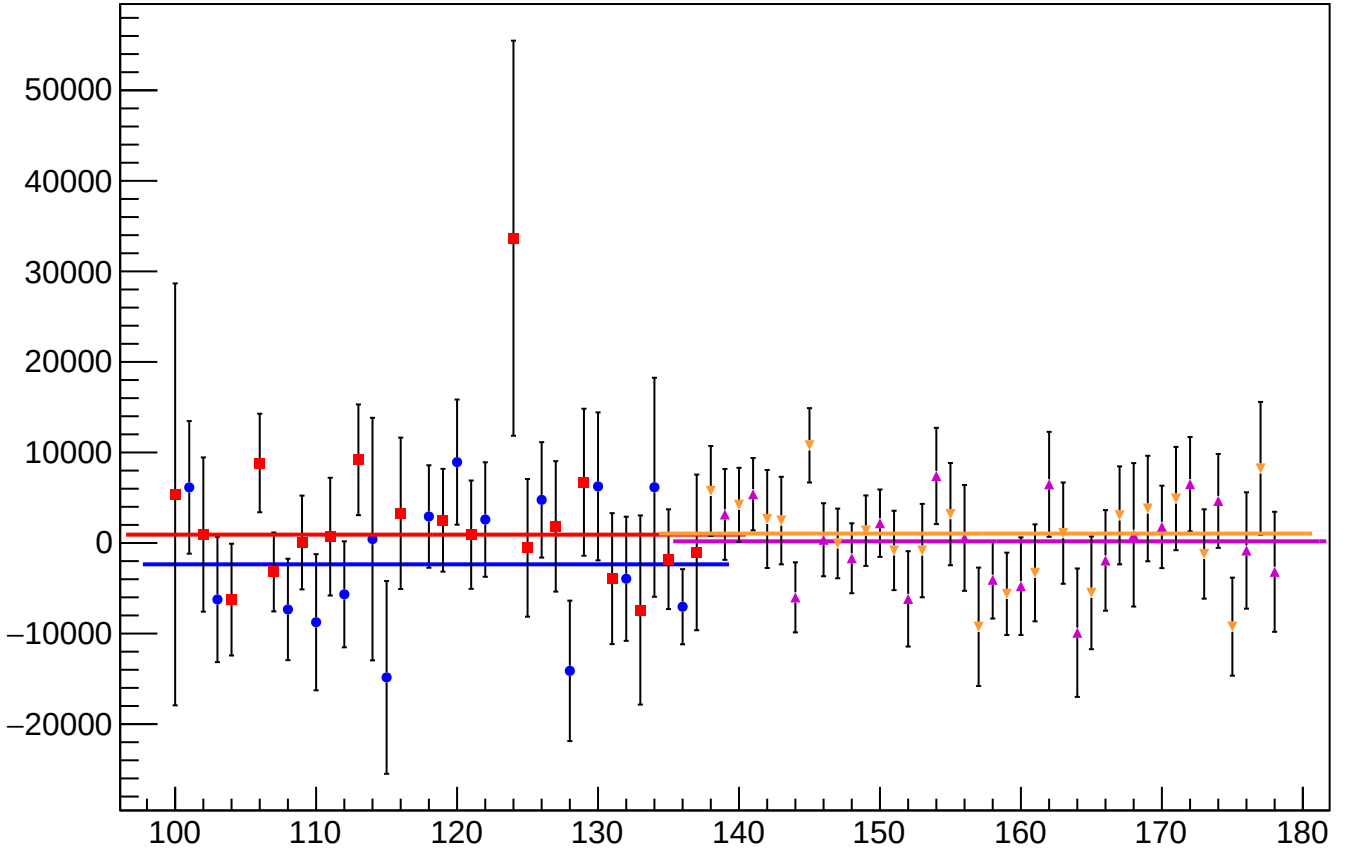
Left In: 4139.675+/-0.741 χ^2/NDF:1245326.8/19

+ sign 4097.439+/-0.607 χ^2/NDF: 1739263.6/36

All: 2582.241+/-0.331 χ^2/NDF: 33652238.9/7

- sign 1943.326+/-0.394 χ^2/NDF: 23058858.5/38

asym_atl1r2_dd_mean vs Slug



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 1043.078+/-1088.800 χ^2/NDF:19.8/20

Right Out: 924.896+/-1546.889 χ^2/NDF: 10.6/18

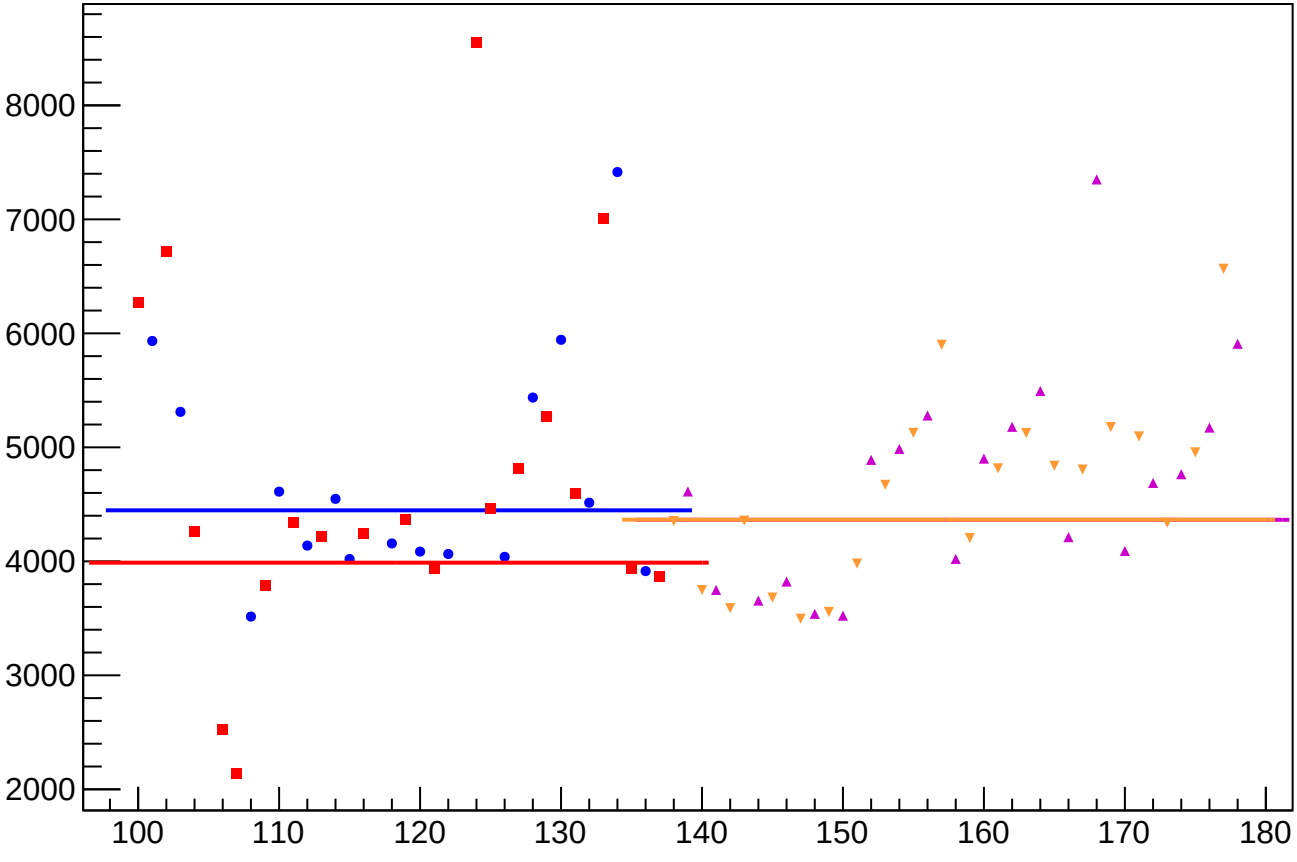
Left In: 186.781+/-1099.689 χ^2/NDF:16.2/19

+ sign 42.031+/-914.459 χ^2/NDF: 38.2/36

All: 242.245+/-640.098 χ^2/NDF: 65.3/75

- sign 434.580+/-896.285 χ^2/NDF: 27.0/38

asym_atl1r2_dd_rms vs Slug



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 4365.367+/-0.770 χ^2/NDF:852849.6/20

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

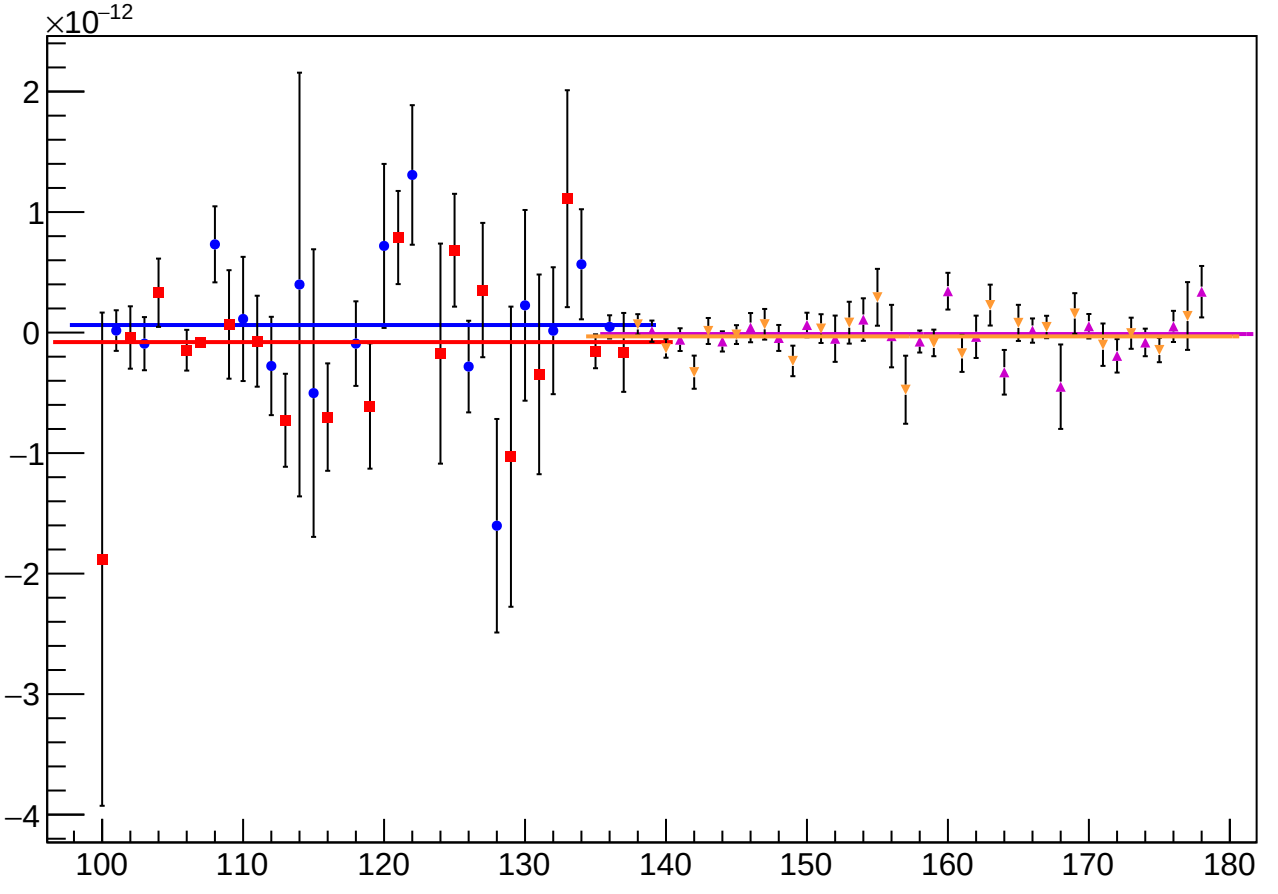
Left In: 4364.234+/-0.778 χ^2/NDF:1021030.8/19

+ sign 4389.542+/-0.647 χ^2/NDF: 1314447.4/36

All: 4311.142+/-0.452 χ^2/NDF: 3587669.3/75

- sign 4236.332+/-0.632 χ^2/NDF: 2244494.2/38

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:23.9/20

Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/18

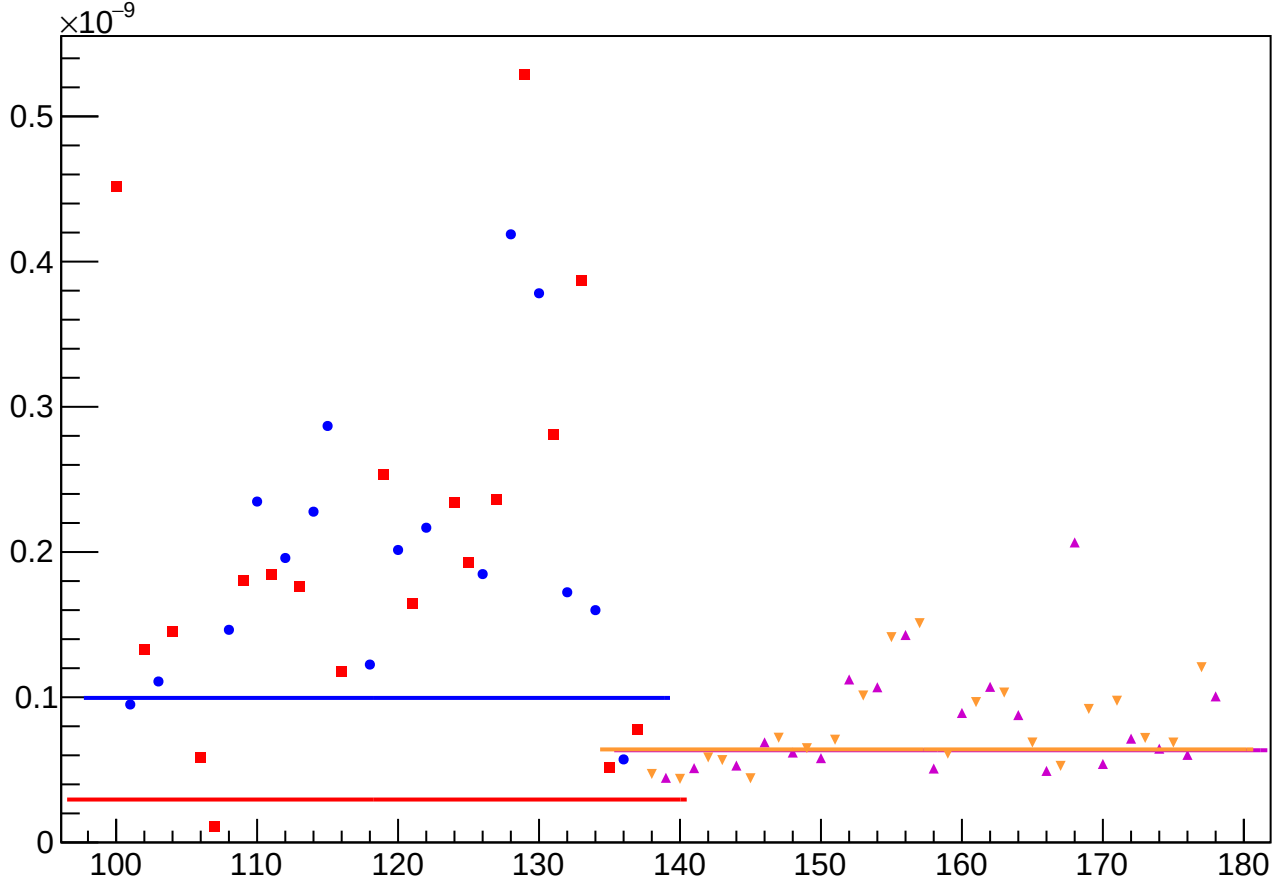
Left In: -0.000+/-0.000 χ^2/NDF:18.1/19

+ sign -0.000+/-0.000 χ^2/NDF: 43.0/36

All: -0.000+/-0.000 χ^2/NDF: 83.9/75

- sign -0.000+/-0.000 χ^2/NDF: 40.6/38

asym_atl1r2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1315320.7/20

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

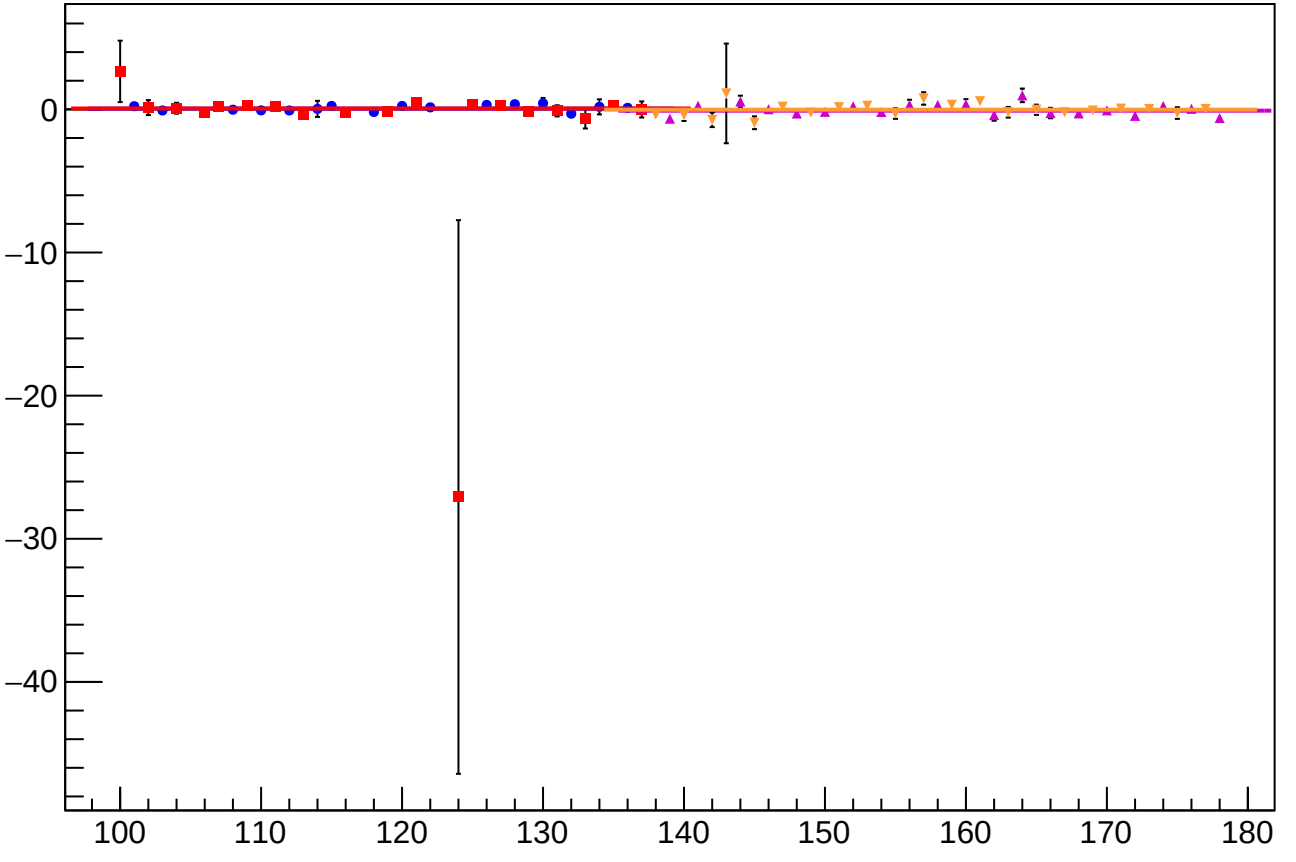
Left In: 0.000+/-0.000 χ^2/NDF:1316806.2/19

+ sign 0.000+/-0.000 χ^2/NDF: 3349328.9/36

All: 0.000+/-0.000 χ^2/NDF: 10949752.7/75

- sign 0.000+/-0.000 χ^2/NDF: 6925170.5/38

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.023+/-0.064 χ^2/NDF:19.9/20

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

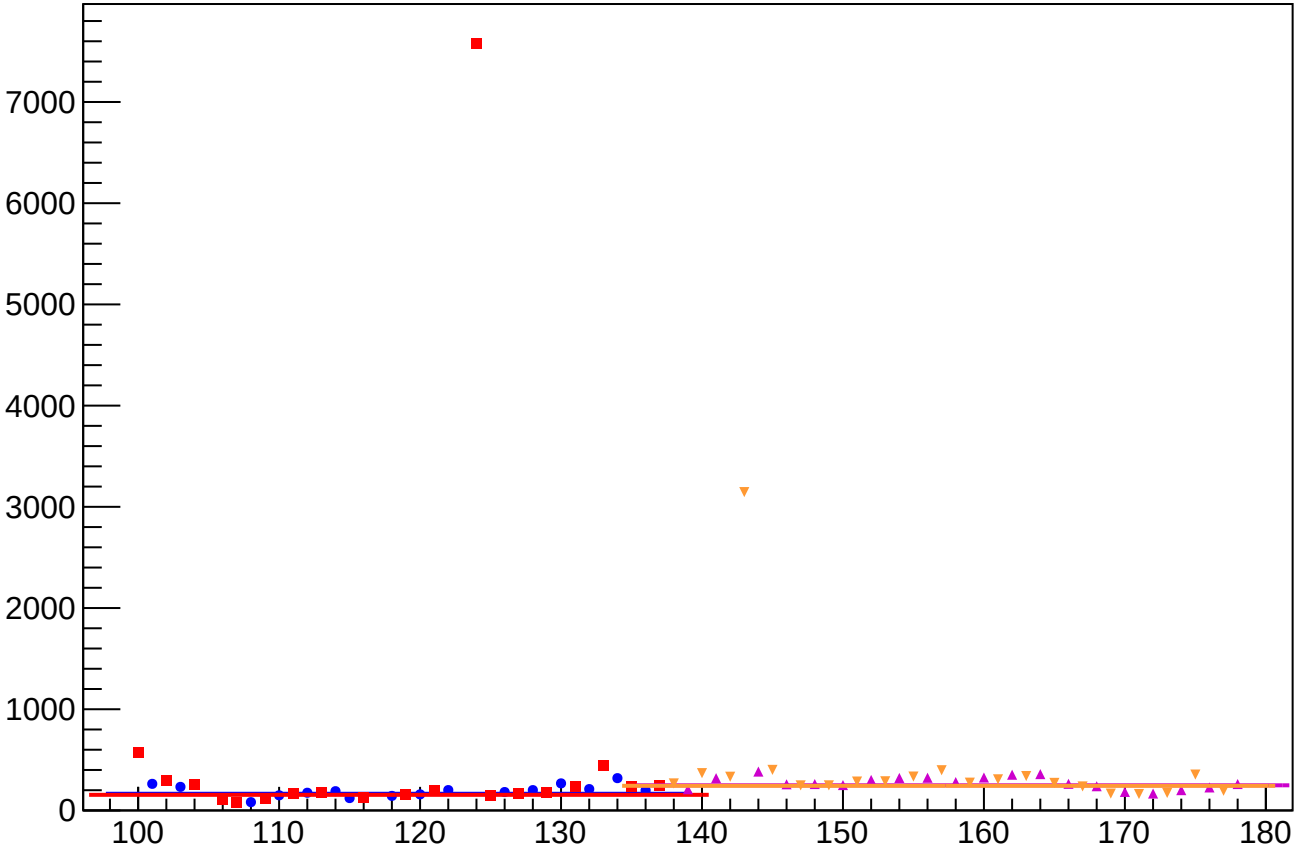
Left In: -0.092+/-0.065 χ^2/NDF:30.1/19

+ sign 0.012+/-0.046 χ^2/NDF: 28.1/36

All: -0.002+/-0.032 χ^2/NDF: 79.6/75

- sign -0.015+/-0.046 χ^2/NDF: 51.4/38

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 243.527+/-0.046 χ^2/NDF:3783731.4/20

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

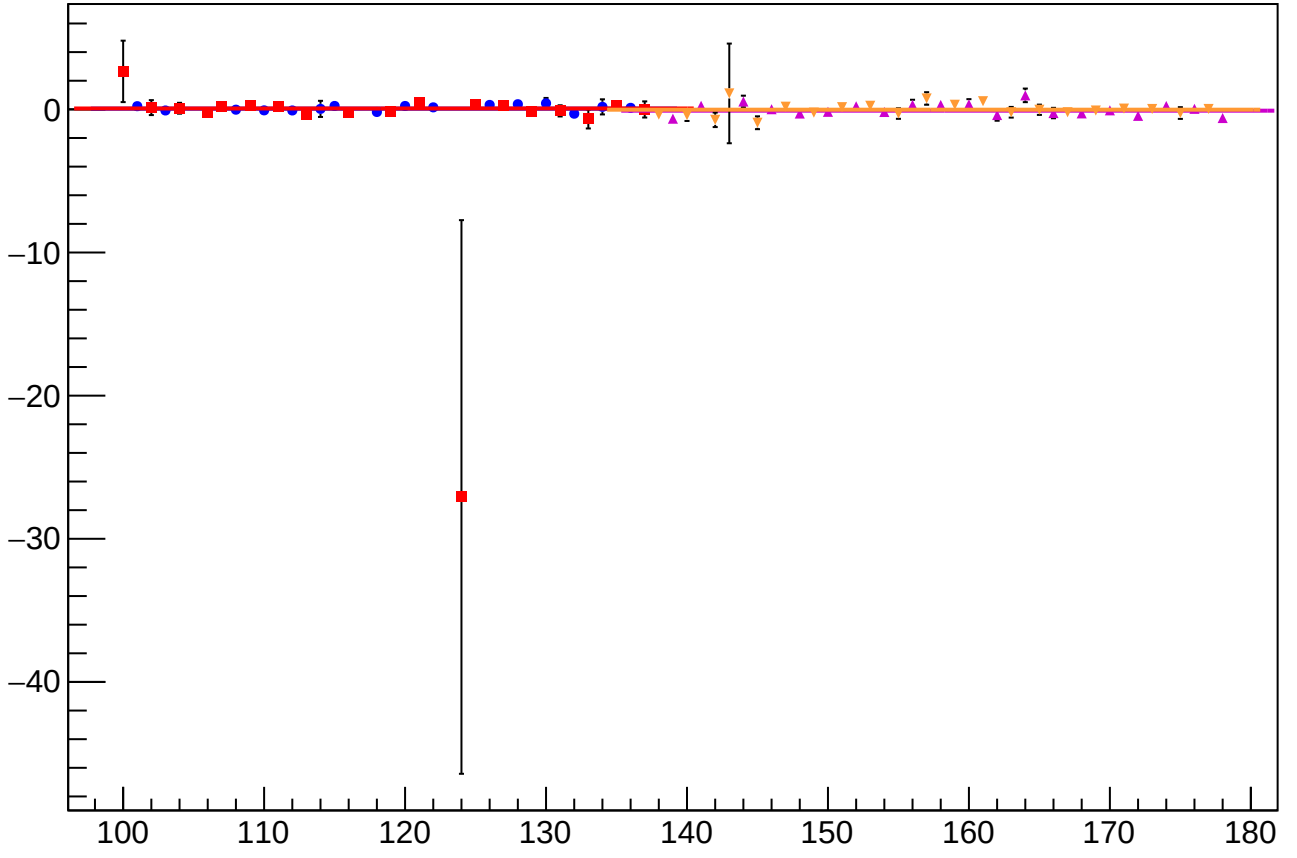
Left In: 248.512+/-0.046 χ^2/NDF:1638250.3/19

+ sign 205.385+/-0.033 χ^2/NDF: 6704188.7/36

All: 203.325+/-0.023 χ^2/NDF: 12401685.8/75

- sign 201.322+/-0.032 χ^2/NDF: 5689668.7/38

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: -0.023+/-0.064 χ^2/NDF:19.9/20

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

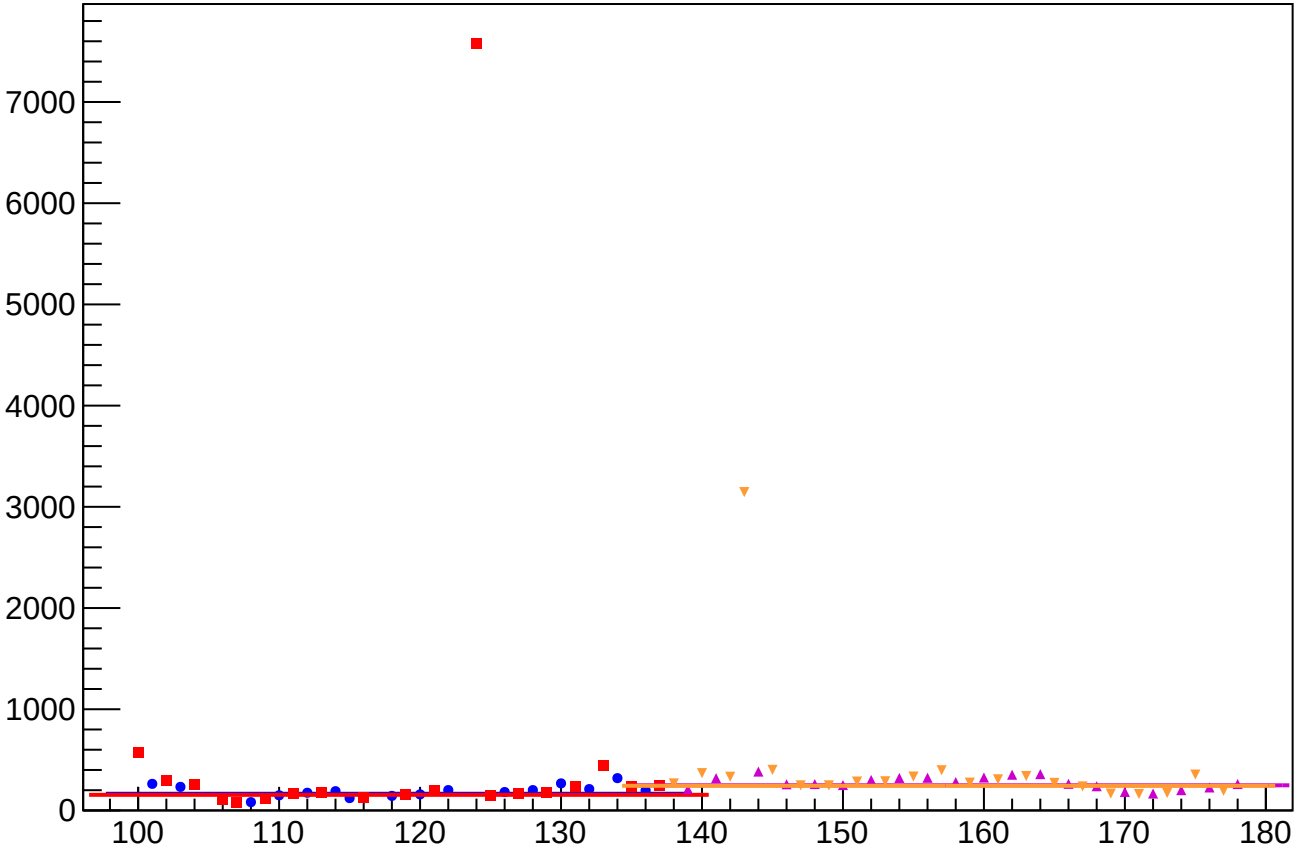
Left In: -0.092+/-0.065 χ^2/NDF:30.1/19

+ sign 0.012+/-0.046 χ^2/NDF: 28.1/36

All: -0.002+/-0.032 χ^2/NDF: 79.6/75

- sign -0.015+/-0.046 χ^2/NDF: 51.4/38

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: 243.527+/-0.046 χ^2/NDF:3783731.4/20

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

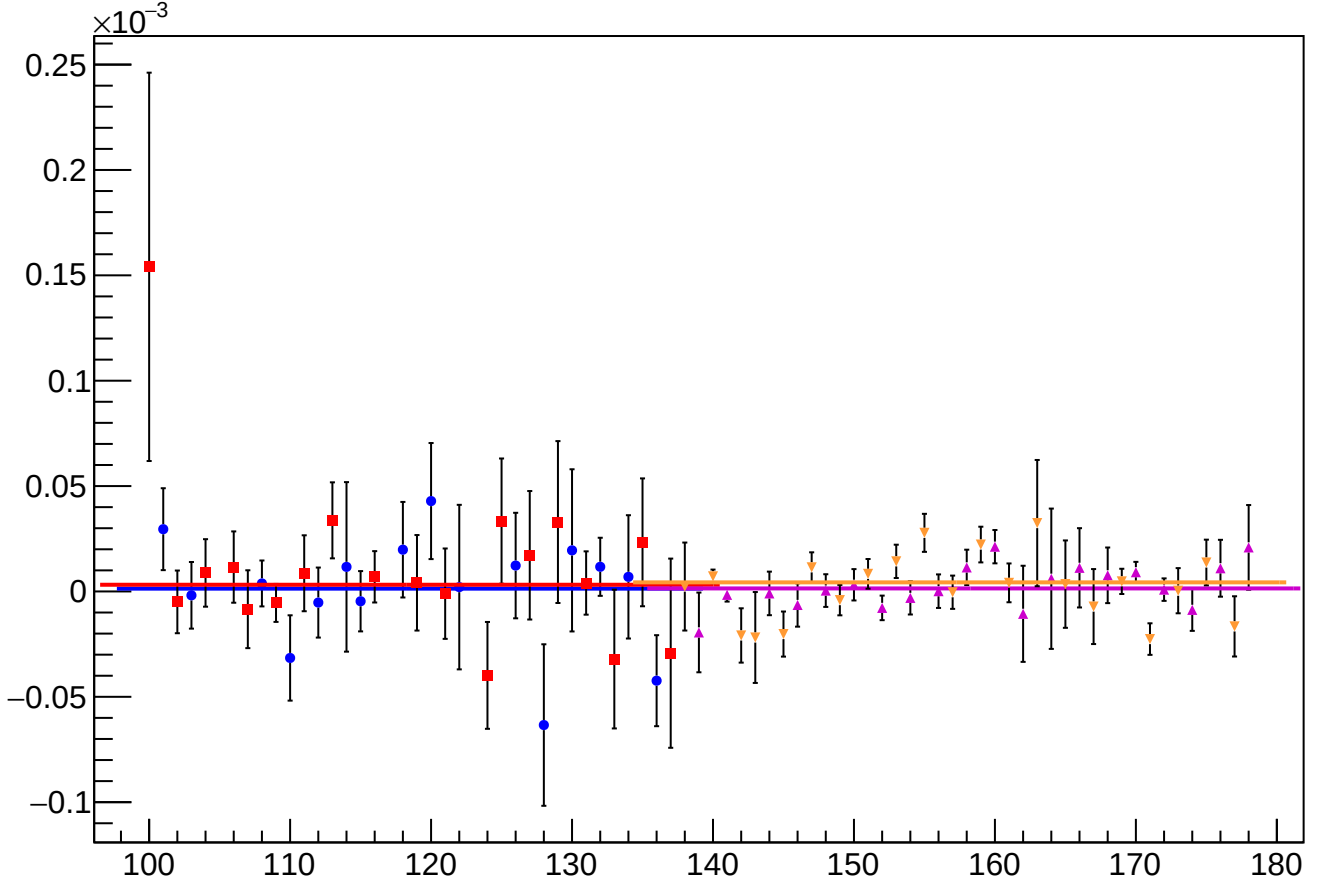
Left In: 248.512+/-0.046 χ^2/NDF:1638250.3/19

+ sign 205.385+/-0.033 χ^2/NDF: 6704188.7/36

All: 203.325+/-0.023 χ^2/NDF: 12401685.8/75

- sign 201.322+/-0.032 χ^2/NDF: 5689668.7/38

asym_atl1r2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:44.5/20

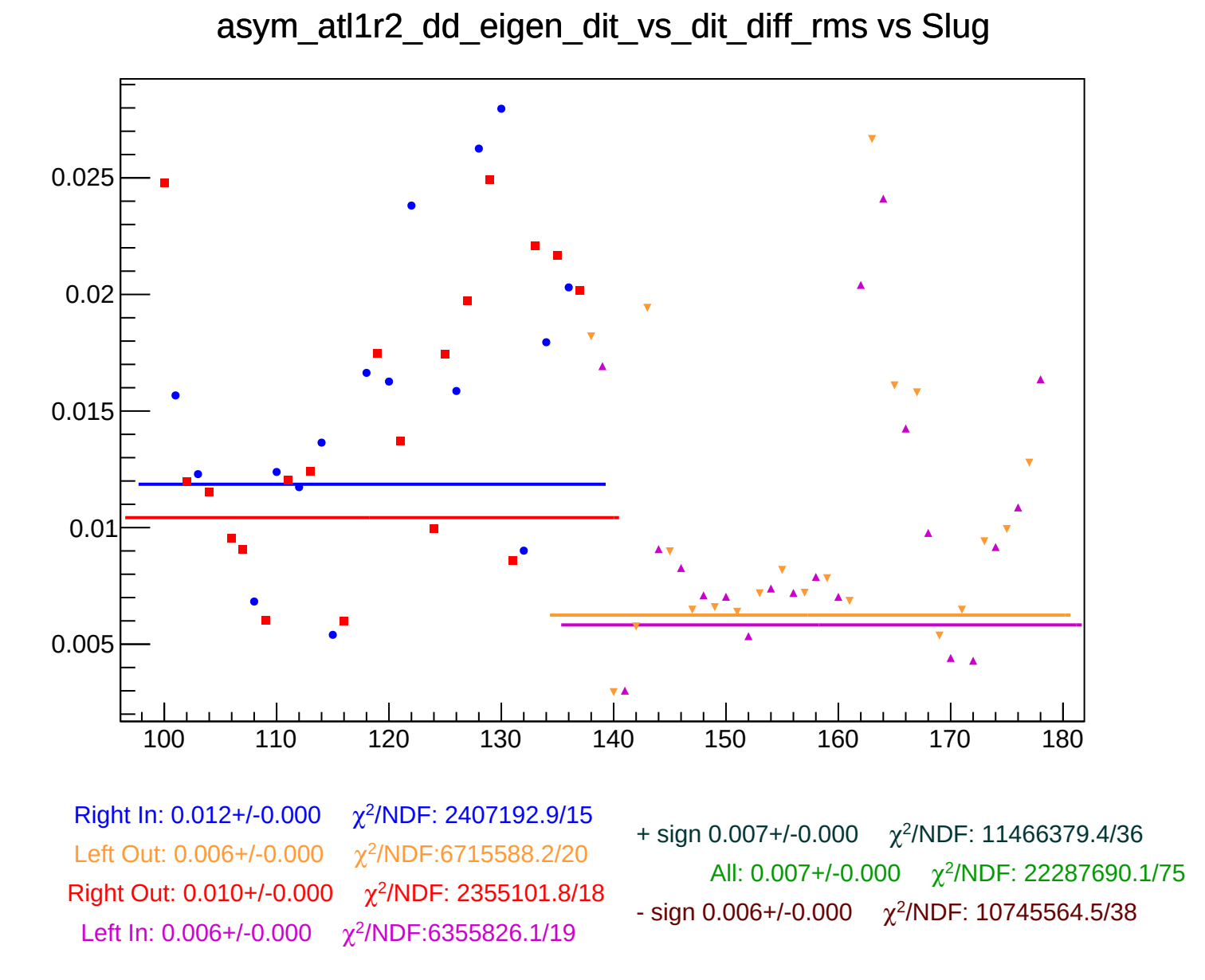
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

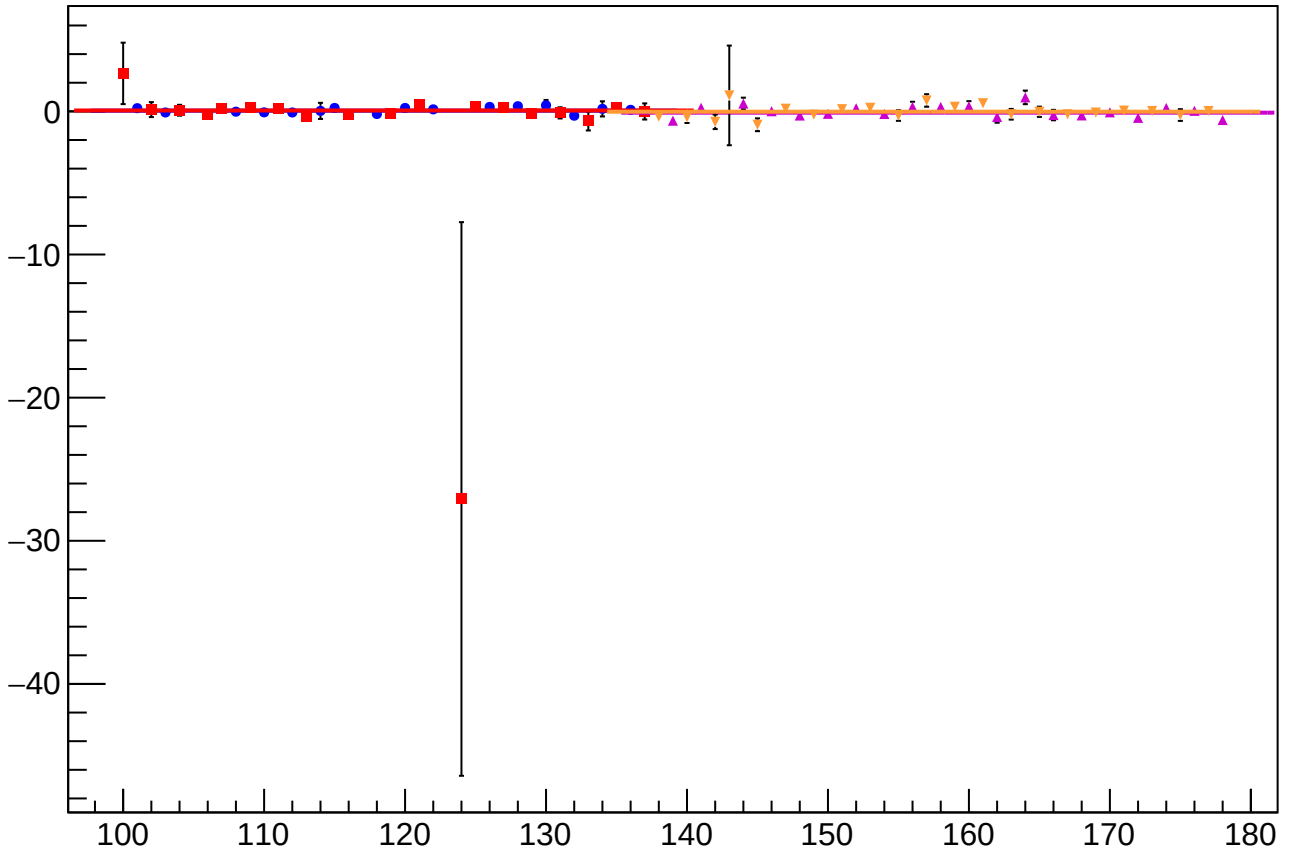
Left In: 0.000+/-0.000 χ^2/NDF:19.1/19

+ sign 0.000+/-0.000 χ^2/NDF: 61.0/36

All: 0.000+/-0.000 χ^2/NDF: 95.8/75

- sign 0.000+/-0.000 χ^2/NDF: 33.8/38


asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
Right In: 0.012+/-0.000 χ²/NDF: 2407192.9/15
Left Out: 0.006+/-0.000 χ²/NDF:6715588.2/20
Right Out: 0.010+/-0.000 χ²/NDF: 2355101.8/18
Left In: 0.006+/-0.000 χ²/NDF:6355826.1/19
+ sign 0.007+/-0.000 χ²/NDF: 11466379.4/36
All: 0.007+/-0.000 χ²/NDF: 22287690.1/75
- sign 0.006+/-0.000 χ²/NDF: 10745564.5/38



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.023+/-0.064 χ^2/NDF:19.9/20

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

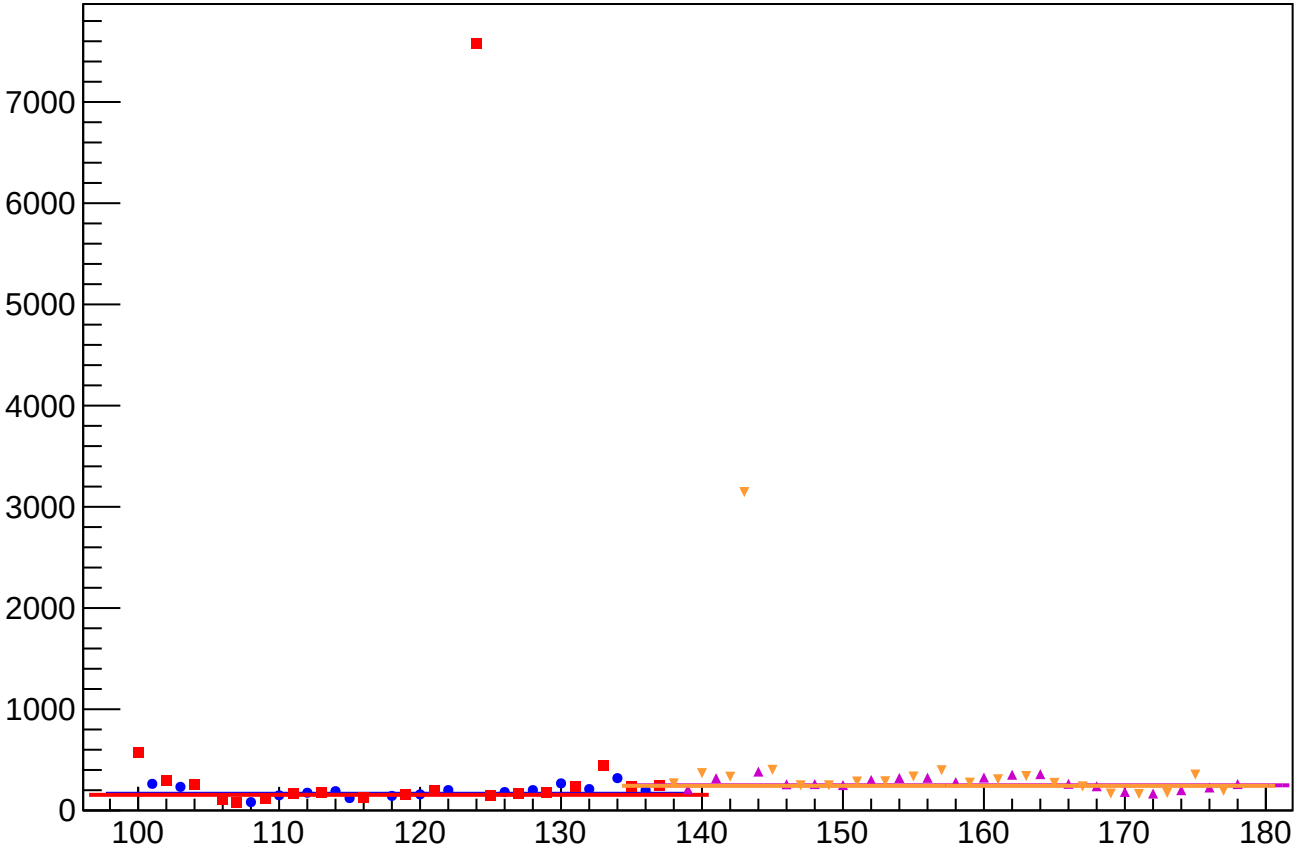
Left In: -0.092+/-0.065 χ^2/NDF:30.1/19

+ sign 0.012+/-0.046 χ^2/NDF: 28.1/36

All: -0.002+/-0.032 χ^2/NDF: 79.6/75

- sign -0.015+/-0.046 χ^2/NDF: 51.4/38

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: 243.528+/-0.046 χ^2/NDF:3783834.4/20

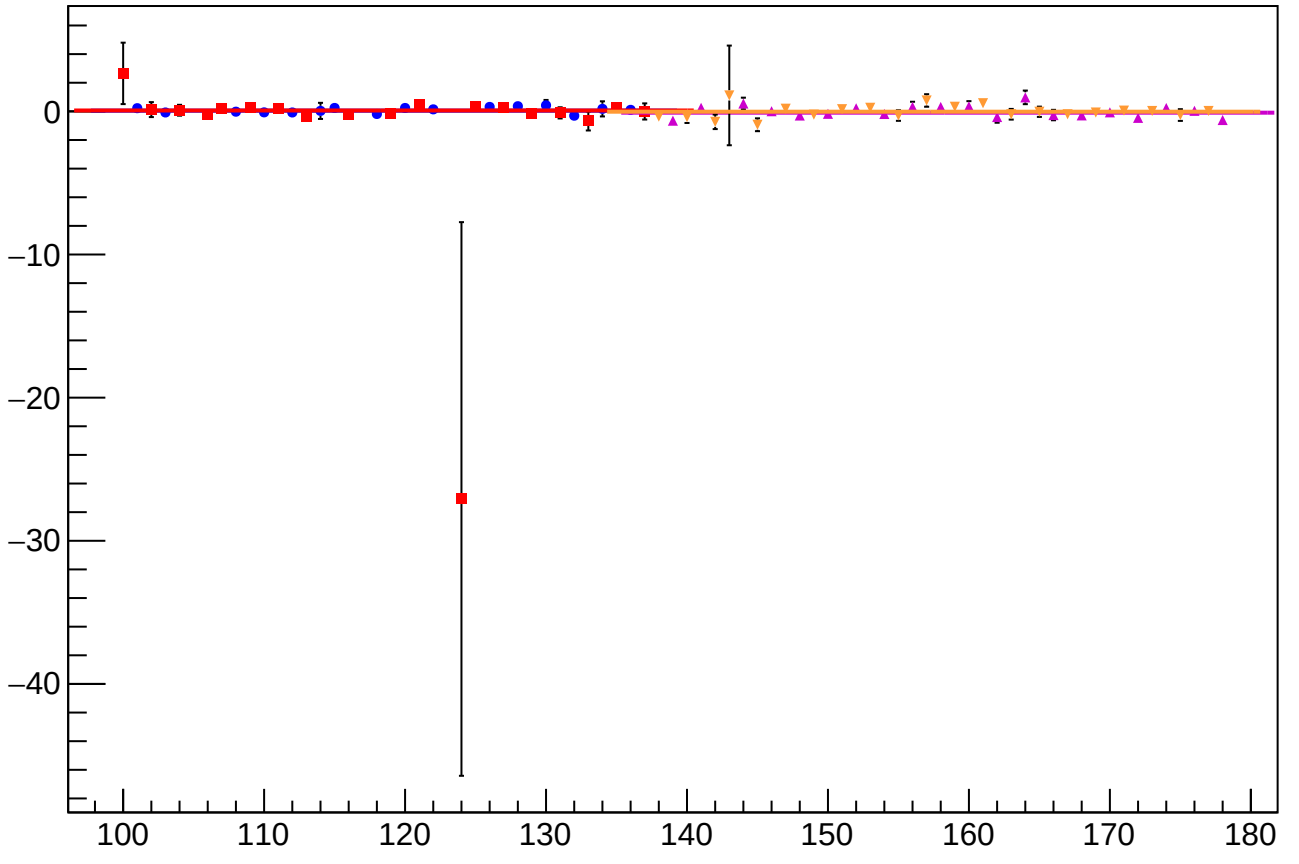
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 248.514+/-0.046 χ^2/NDF:1638297.3/19

+ sign 205.385+/-0.033 χ^2/NDF: 6704322.6/36

All: 203.326+/-0.023 χ^2/NDF: 12401988.3/75

- sign 201.322+/-0.032 χ^2/NDF: 5689838.4/38



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.023+/-0.064 χ^2/NDF:19.9/20

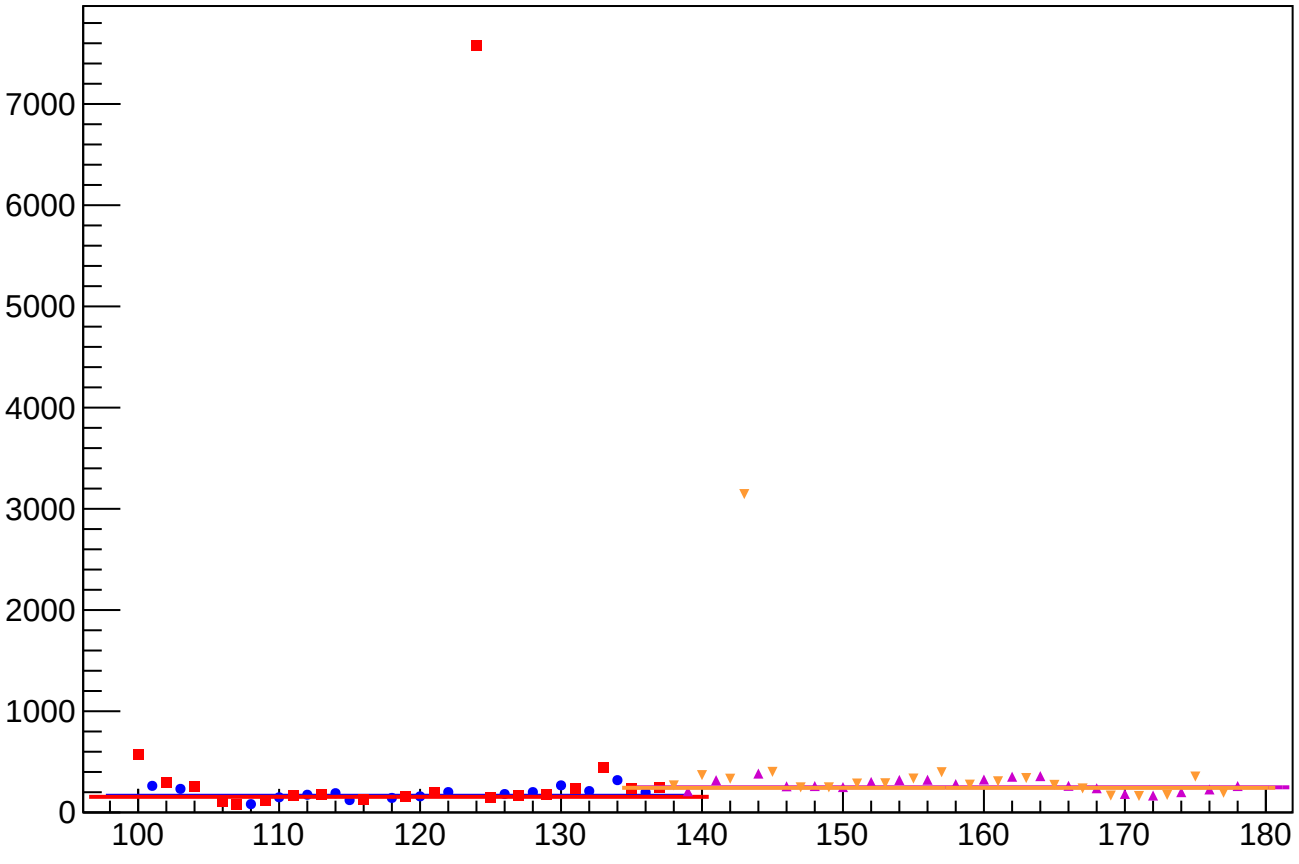
Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: -0.092+/-0.065 χ^2/NDF:30.1/19

+ sign 0.012+/-0.046 χ^2/NDF: 28.1/36

All: -0.002+/-0.032 χ^2/NDF: 79.6/75

- sign -0.015+/-0.046 χ^2/NDF: 51.4/38



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 243.528+/-0.046 χ^2/NDF:3783834.4/20

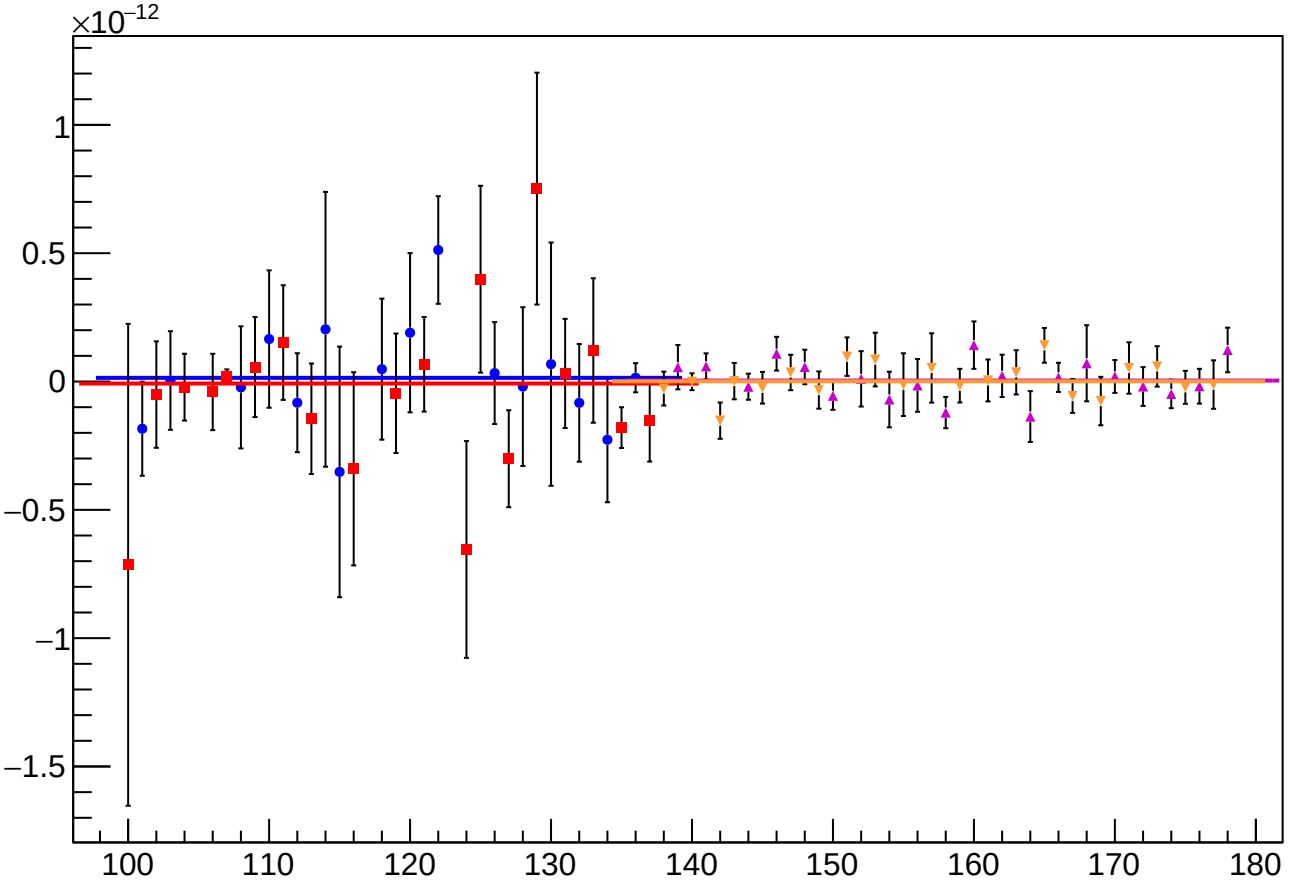
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 248.514+/-0.046 χ^2/NDF:1638297.3/19

+ sign 205.385+/-0.033 χ^2/NDF: 6704322.6/36

All: 203.326+/-0.023 χ^2/NDF: 12401988.3/75

- sign 201.322+/-0.032 χ^2/NDF: 5689838.4/38



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.9/20

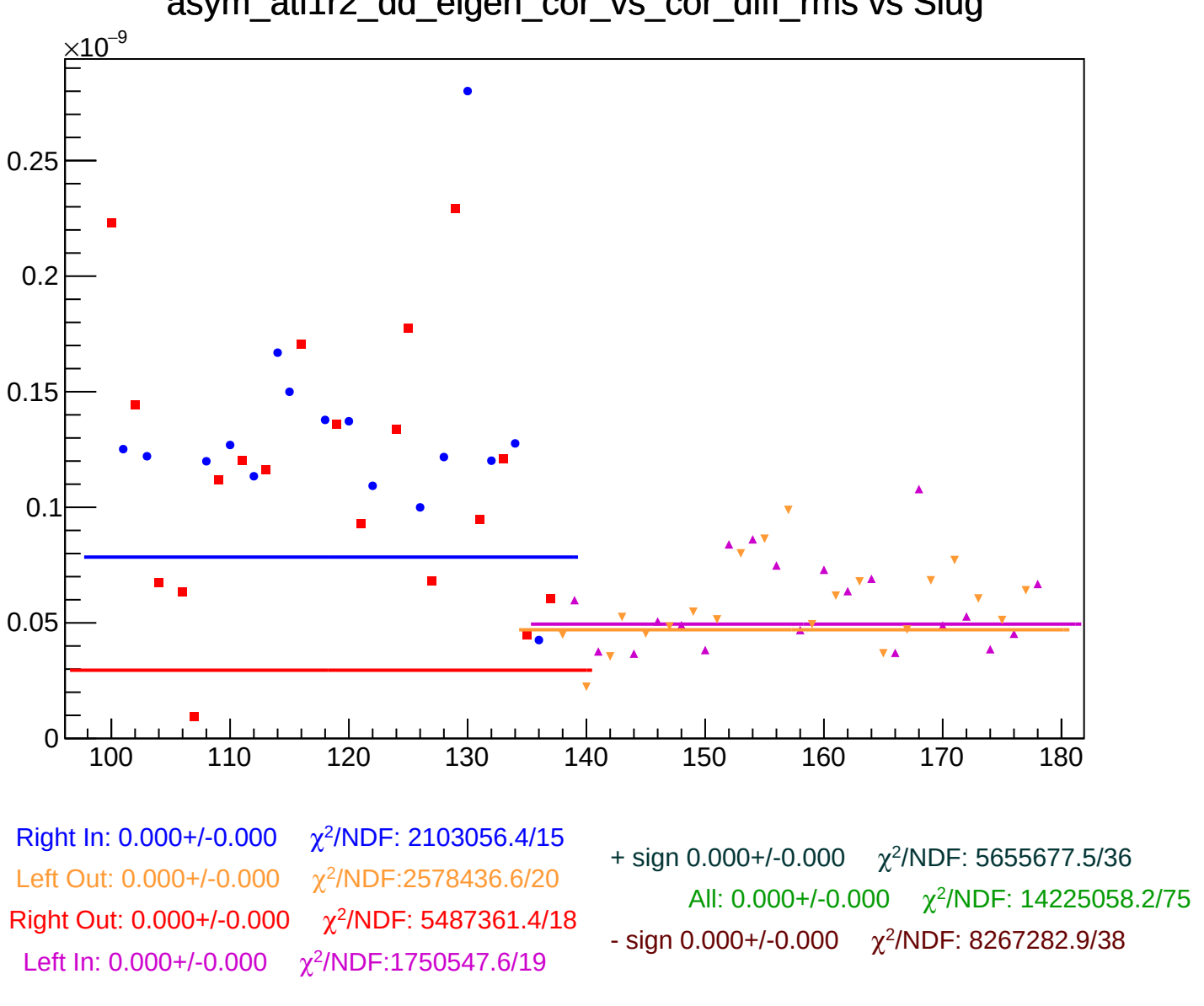
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:18.4/19

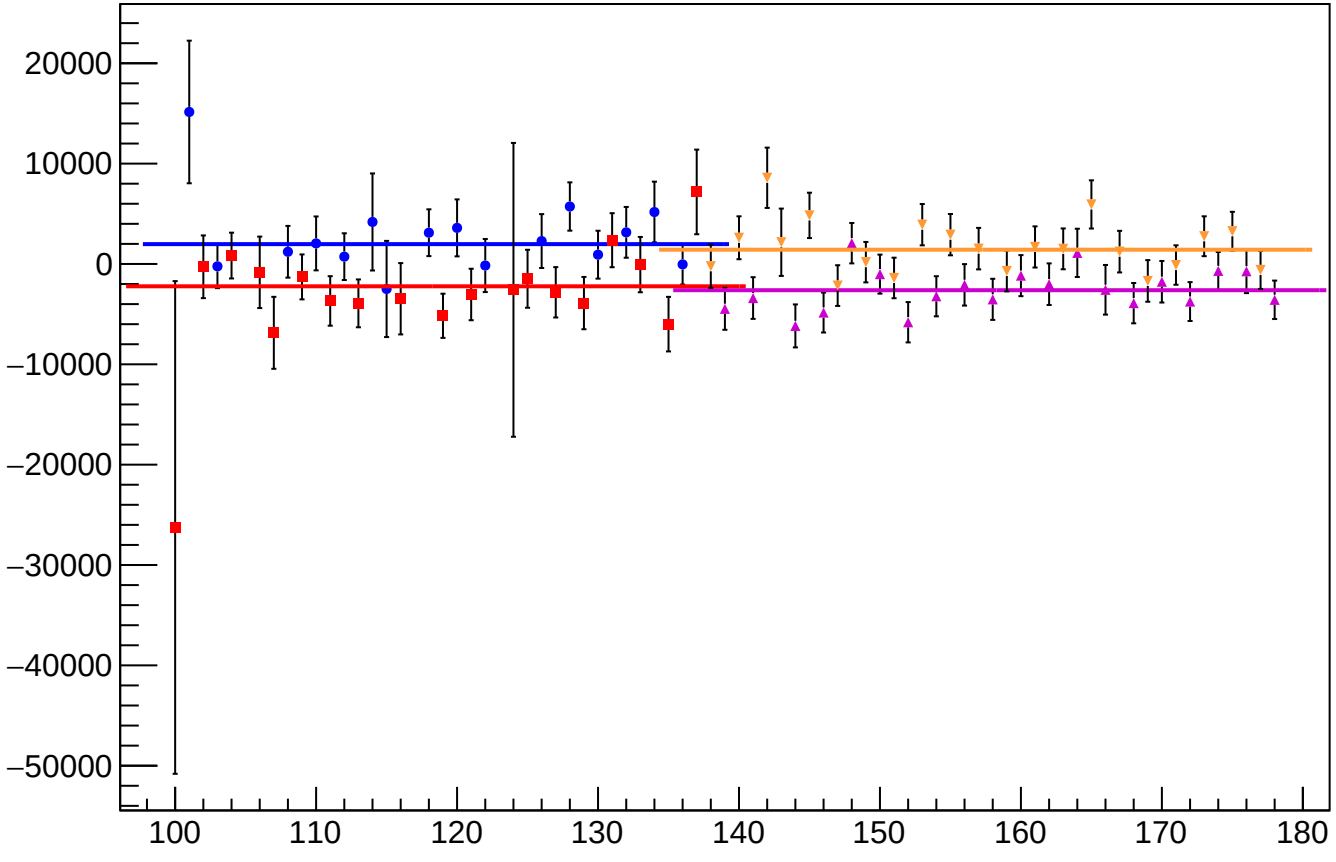
+ sign 0.000+/-0.000 χ^2/NDF: 24.6/36

All: 0.000+/-0.000 χ^2/NDF: 61.5/75

- sign 0.000+/-0.000 χ^2/NDF: 36.9/38


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
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2103056.4/15
Left Out: 0.000+/-0.000 χ²/NDF:2578436.6/20
Right Out: 0.000+/-0.000 χ²/NDF: 5487361.4/18
Left In: 0.000+/-0.000 χ²/NDF:1750547.6/19
+ sign 0.000+/-0.000 χ²/NDF: 5655677.5/36
All: 0.000+/-0.000 χ²/NDF: 14225058.2/75
- sign 0.000+/-0.000 χ²/NDF: 8267282.9/38

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1421.502+/-461.842 χ^2/NDF:26.3/20

Right Out: -2226.171+/-656.286 χ^2/NDF: 19.0/18

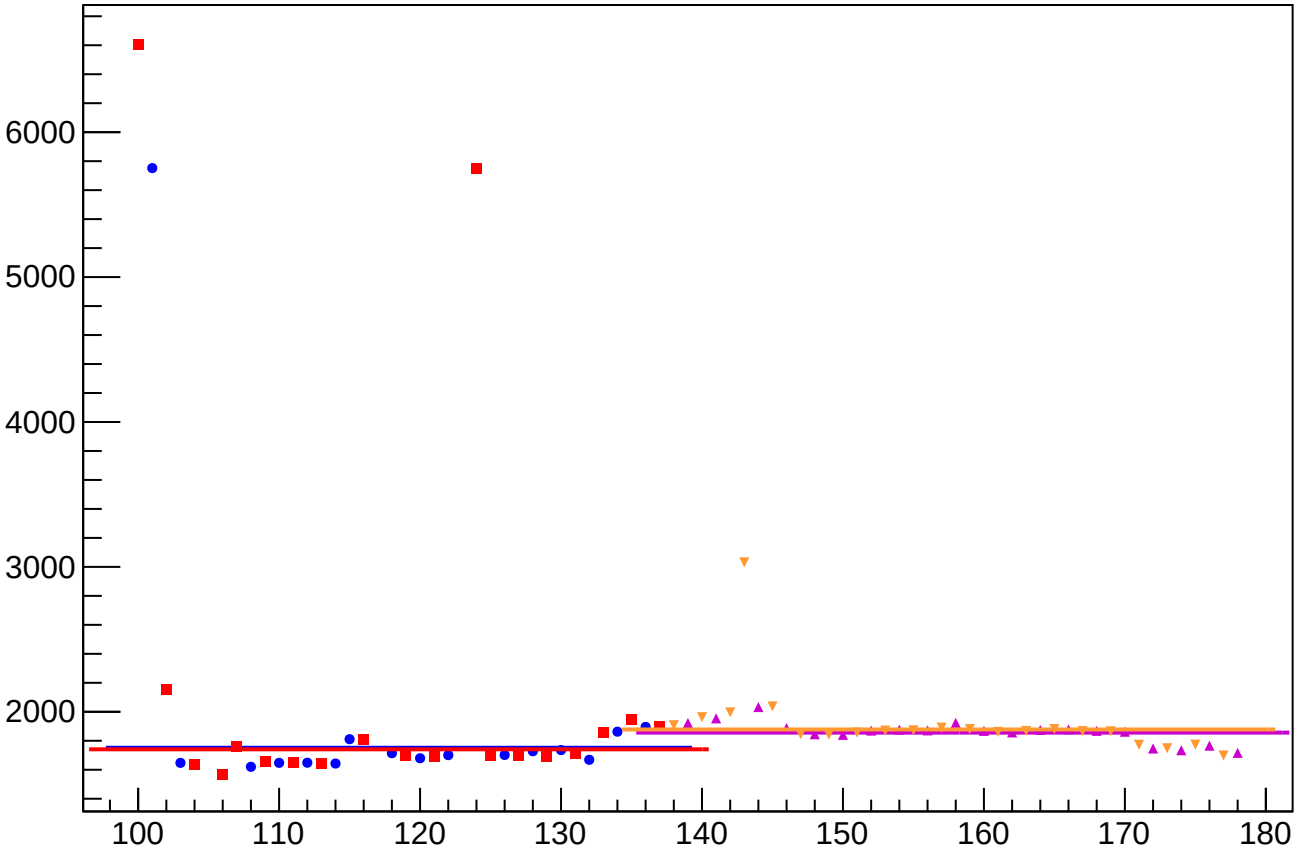
Left In: -2615.796+/-459.559 χ^2/NDF:19.9/19

+ sign 1601.037+/-379.834 χ^2/NDF: 38.9/36

All: -461.619+/-267.376 χ^2/NDF: 136.5/75

- sign -2487.604+/-376.443 χ^2/NDF: 39.1/38

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 1877.900+/-0.327 χ^2/NDF:292861.5/20

Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

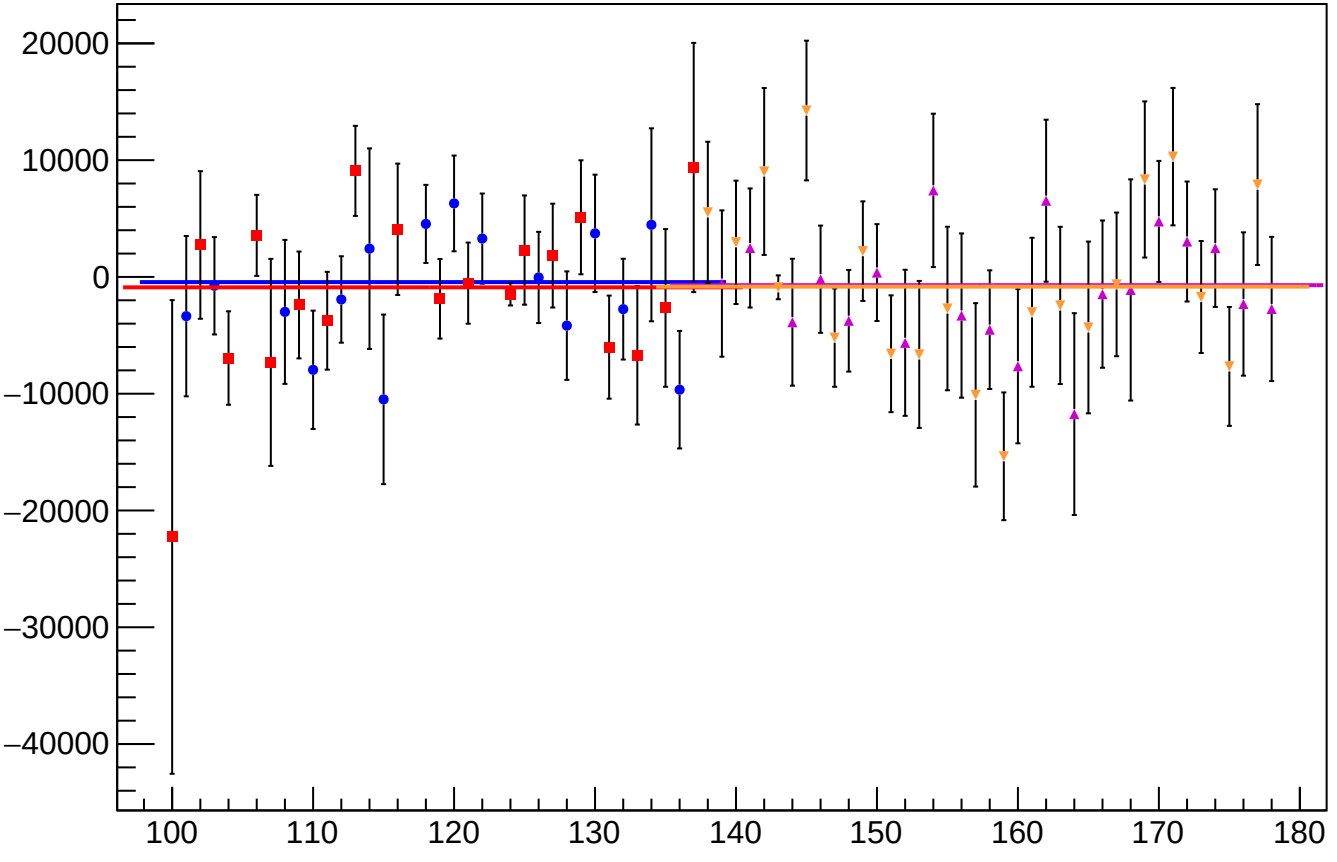
Left In: 1856.337+/-0.325 χ^2/NDF:52560.0/19

+ sign 1837.031+/-0.269 χ^2/NDF: 1011909.7/36

All: 1827.422+/-0.189 χ^2/NDF: 1413477.0/75

- sign 1818.030+/-0.266 χ^2/NDF: 399036.4/38

asym_atr1l2_avg_reg_correction_mean vs Slug



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -831.447+/-800.609 χ^2/NDF:31.5/20

Right Out: -892.237+/-725.737 χ^2/NDF: 20.1/18

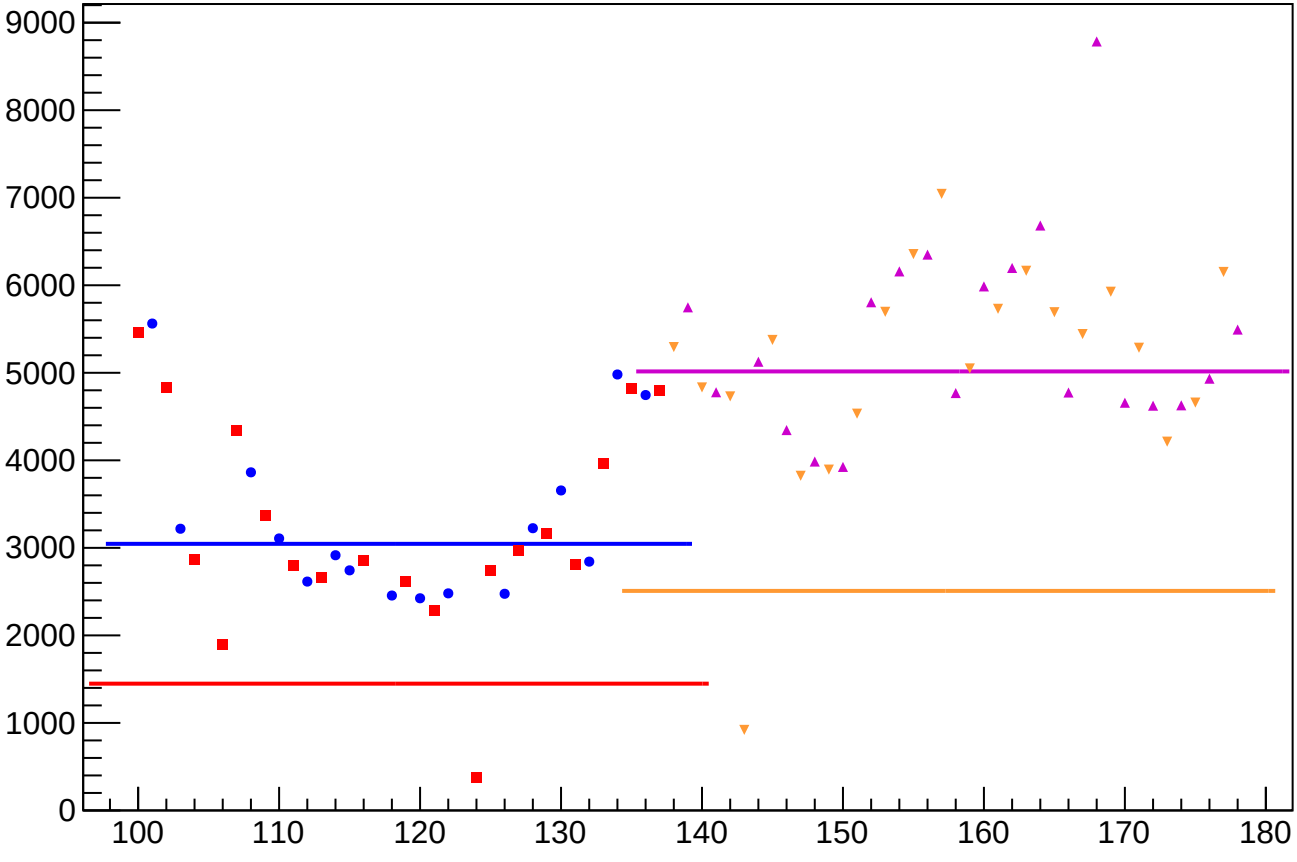
Left In: -706.742+/-1265.372 χ^2/NDF:10.2/19

+ sign -708.610+/-661.525 χ^2/NDF: 47.5/36

All: -780.876+/-456.042 χ^2/NDF: 77.8/75

- sign -846.323+/-629.544 χ^2/NDF: 30.3/38

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 2508.264+/-0.566 χ^2/NDF:13308787.9/20

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

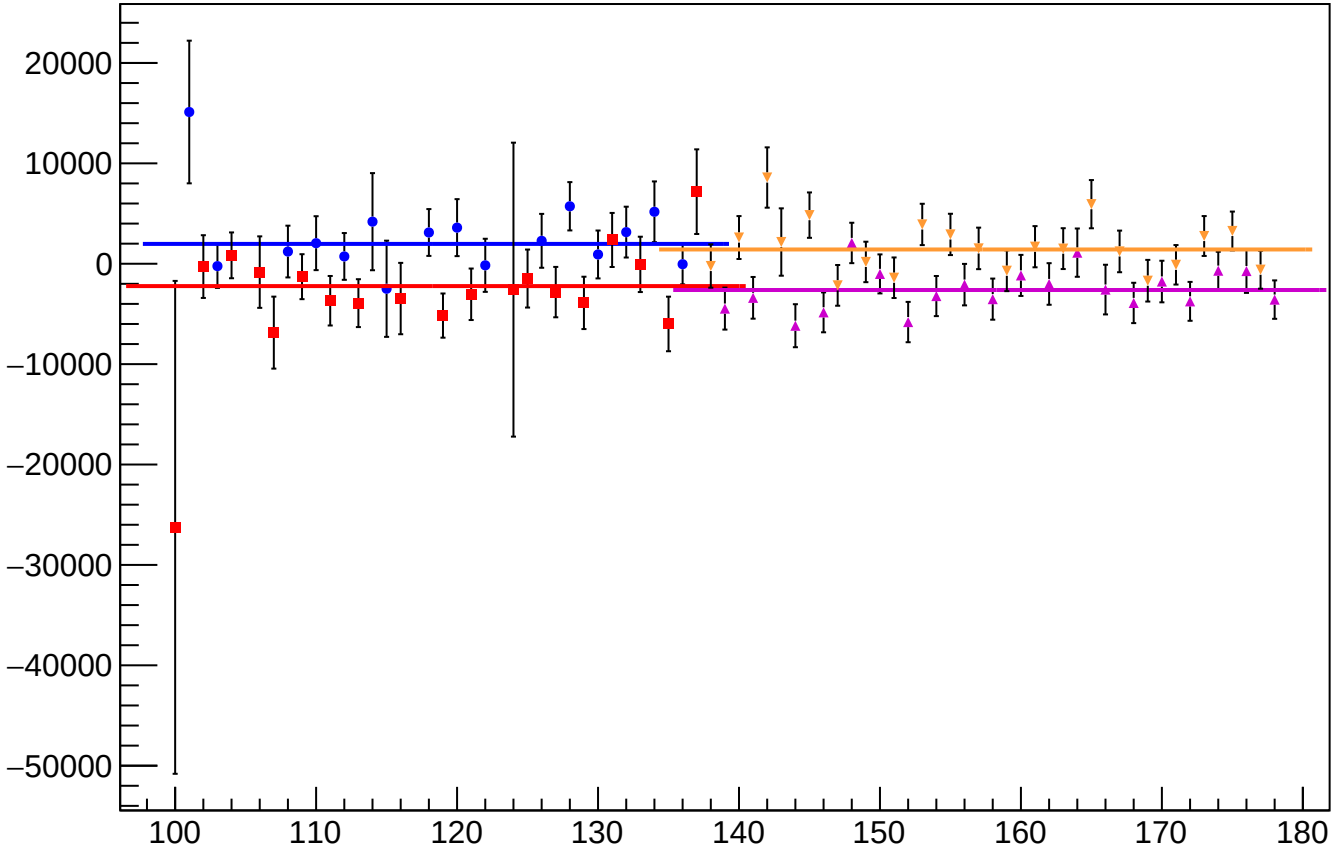
Left In: 5015.612+/-0.895 χ^2/NDF:1035388.3/19

+ sign 2678.844+/-0.468 χ^2/NDF: 14502339.3/36

All: 2496.550+/-0.322 χ^2/NDF: 34573650.7/7

- sign 2331.457+/-0.445 χ^2/NDF: 19781895.8/38

cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1421.484+/-461.842 χ^2/NDF:26.3/20

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

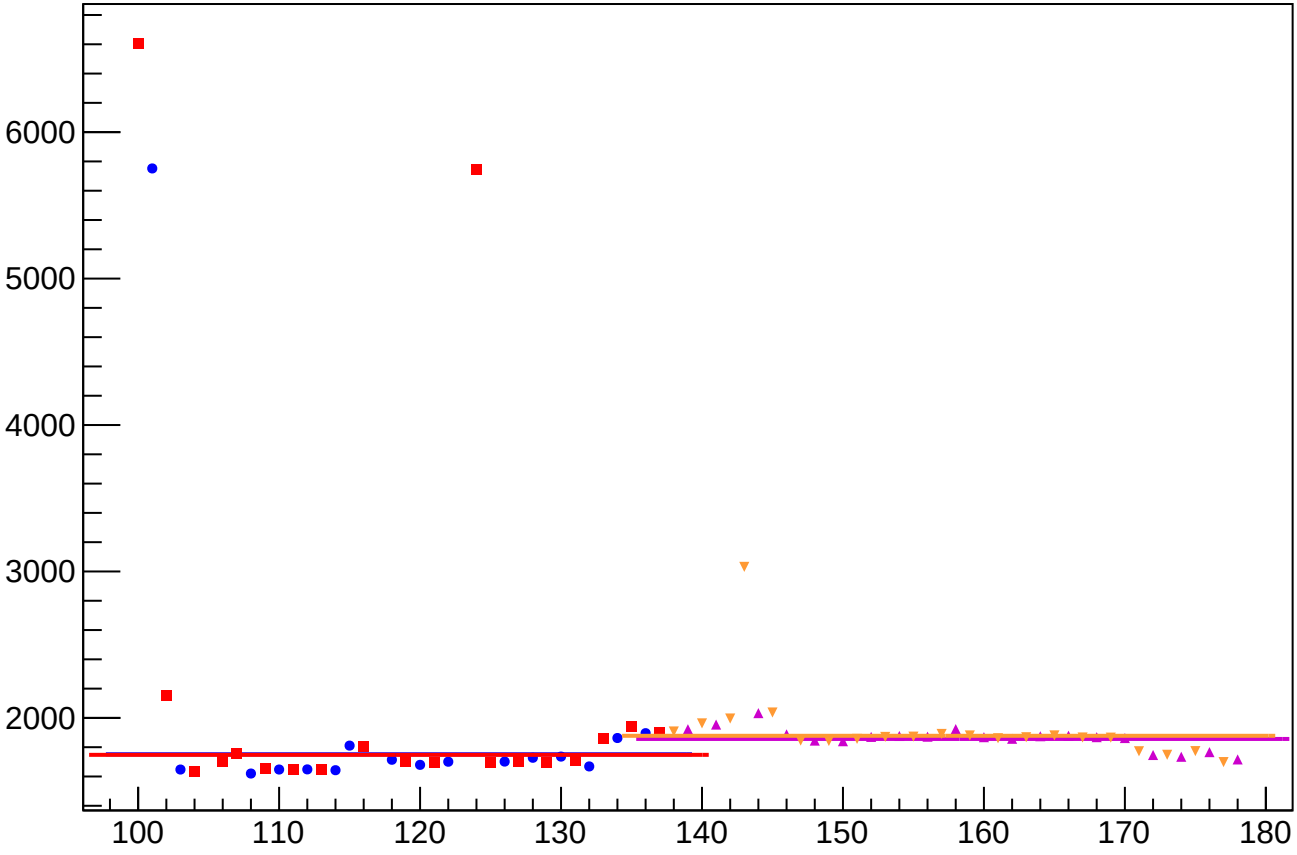
Left In: -2615.835+/-459.559 χ^2/NDF:19.9/19

+ sign 1600.910+/-379.834 χ^2/NDF: 38.9/36

All: -461.711+/-267.376 χ^2/NDF: 136.5/75

- sign -2487.663+/-376.443 χ^2/NDF: 39.1/38

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1877.900+/-0.327 χ^2/NDF:292861.5/20

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

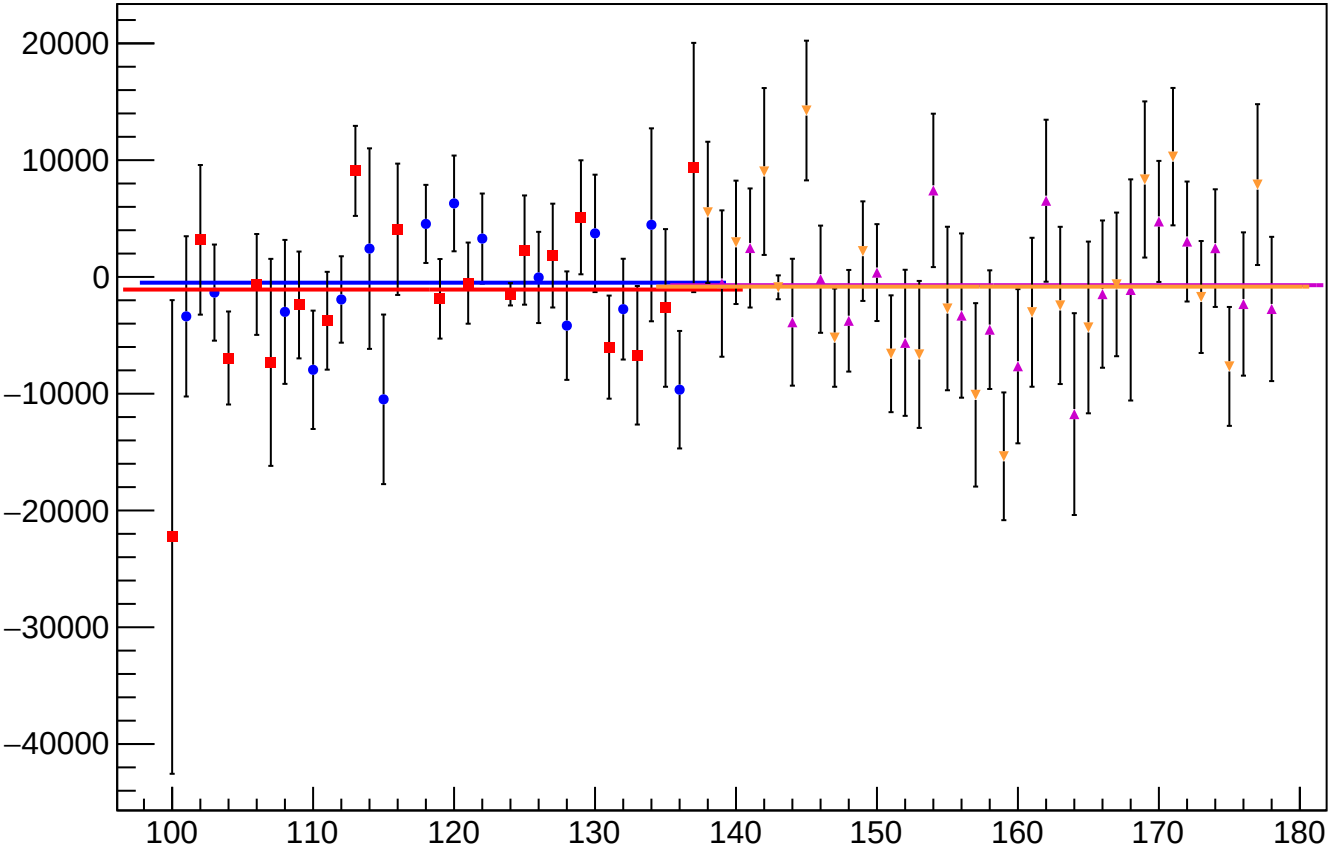
Left In: 1856.337+/-0.325 χ^2/NDF:52560.0/19

+ sign 1837.031+/-0.269 χ^2/NDF: 1011910.2/36

All: 1828.652+/-0.189 χ^2/NDF: 1401213.2/75

- sign 1820.443+/-0.266 χ^2/NDF: 387376.3/38

asym_atr1l2_avg_cor_correction_mean vs Slug



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -831.297+/-800.589 χ^2/NDF:31.5/20

Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

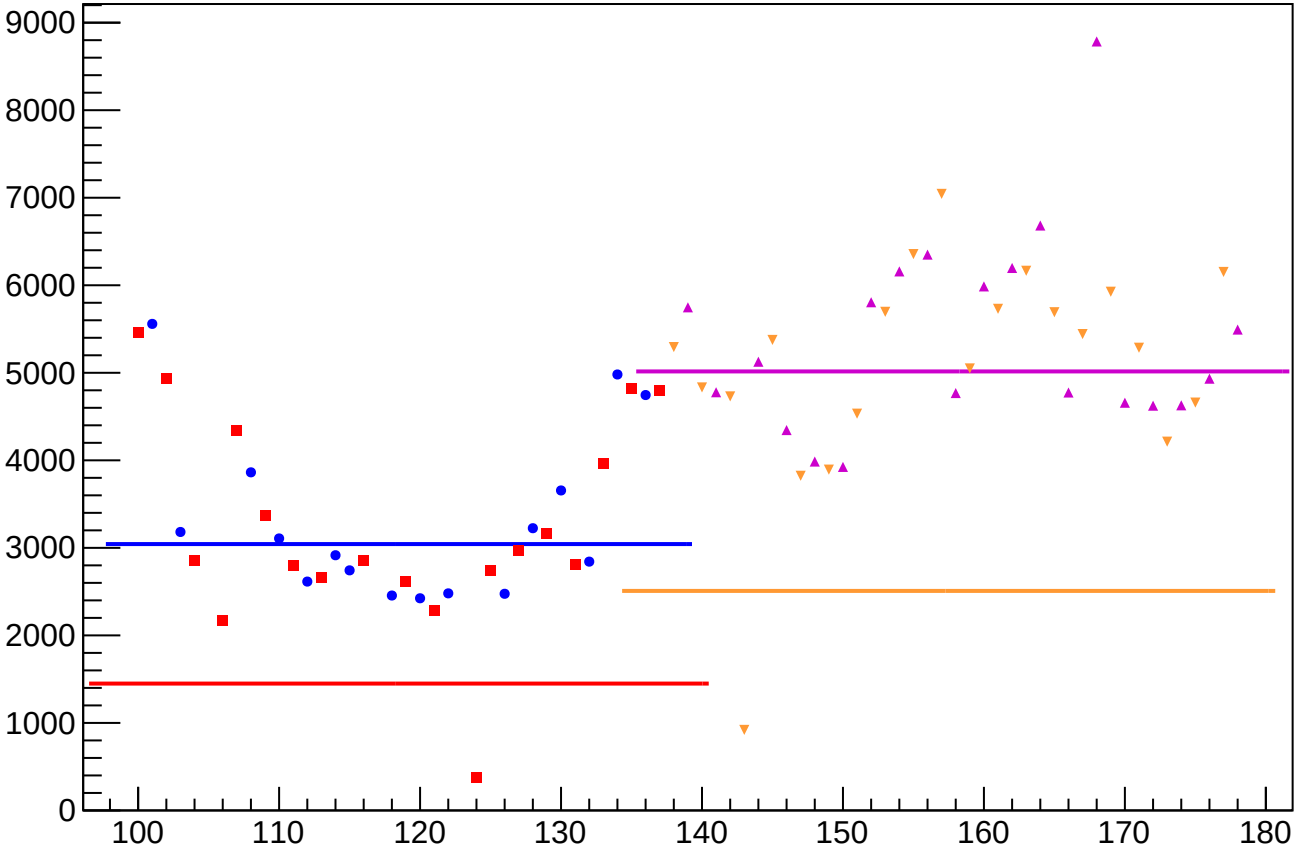
Left In: -706.829+/-1265.372 χ^2/NDF:10.2/19

+ sign -723.792+/-661.297 χ^2/NDF: 47.5/36

All: -861.212+/-457.376 χ^2/NDF: 76.3/75

- sign -987.228+/-633.267 χ^2/NDF: 28.7/38

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2508.161+/-0.566 χ^2/NDF:13309413.3/20

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

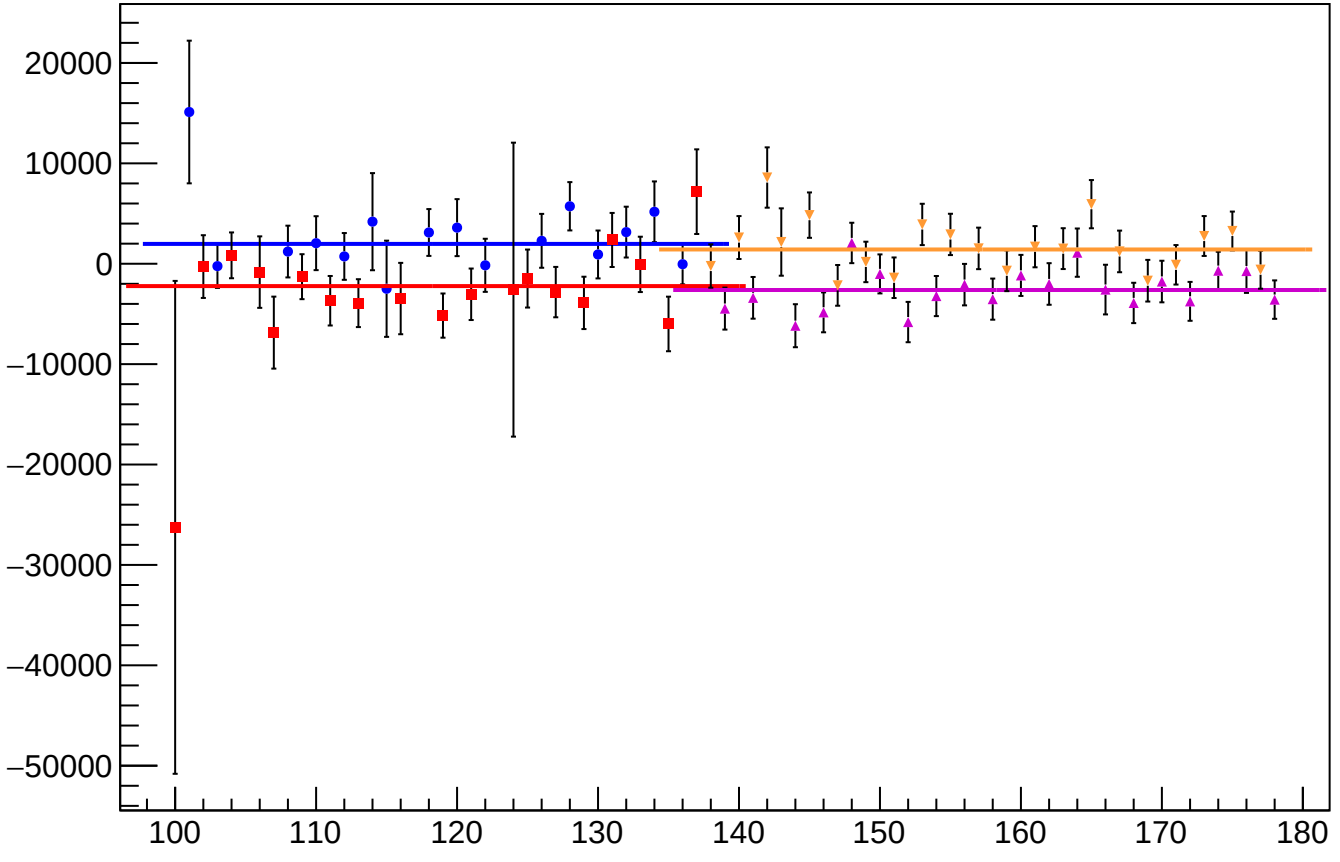
Left In: 5015.613+/-0.895 χ^2/NDF:1035387.6/19

+ sign 2678.167+/-0.468 χ^2/NDF: 14498940.1/36

All: 2503.162+/-0.323 χ^2/NDF: 34534807.8/7

- sign 2342.679+/-0.448 χ^2/NDF: 19767356.9/38

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1421.484+/-461.842 χ^2/NDF:26.3/20

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

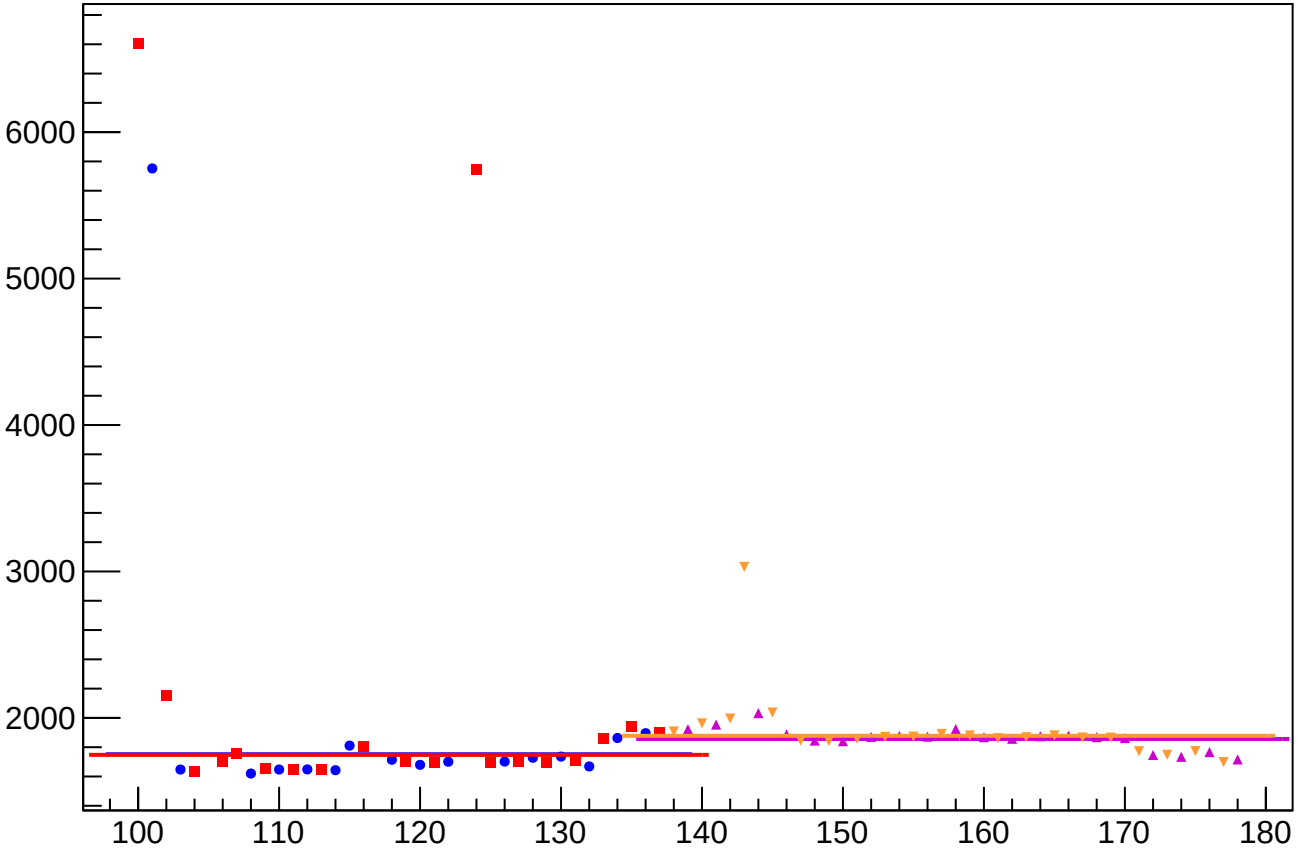
Left In: -2615.835+/-459.559 χ^2/NDF:19.9/19

+ sign 1600.910+/-379.834 χ^2/NDF: 38.9/36

All: -461.711+/-267.376 χ^2/NDF: 136.5/75

- sign -2487.663+/-376.443 χ^2/NDF: 39.1/38

eigen_cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1877.900+/-0.327 χ^2/NDF:292861.5/20

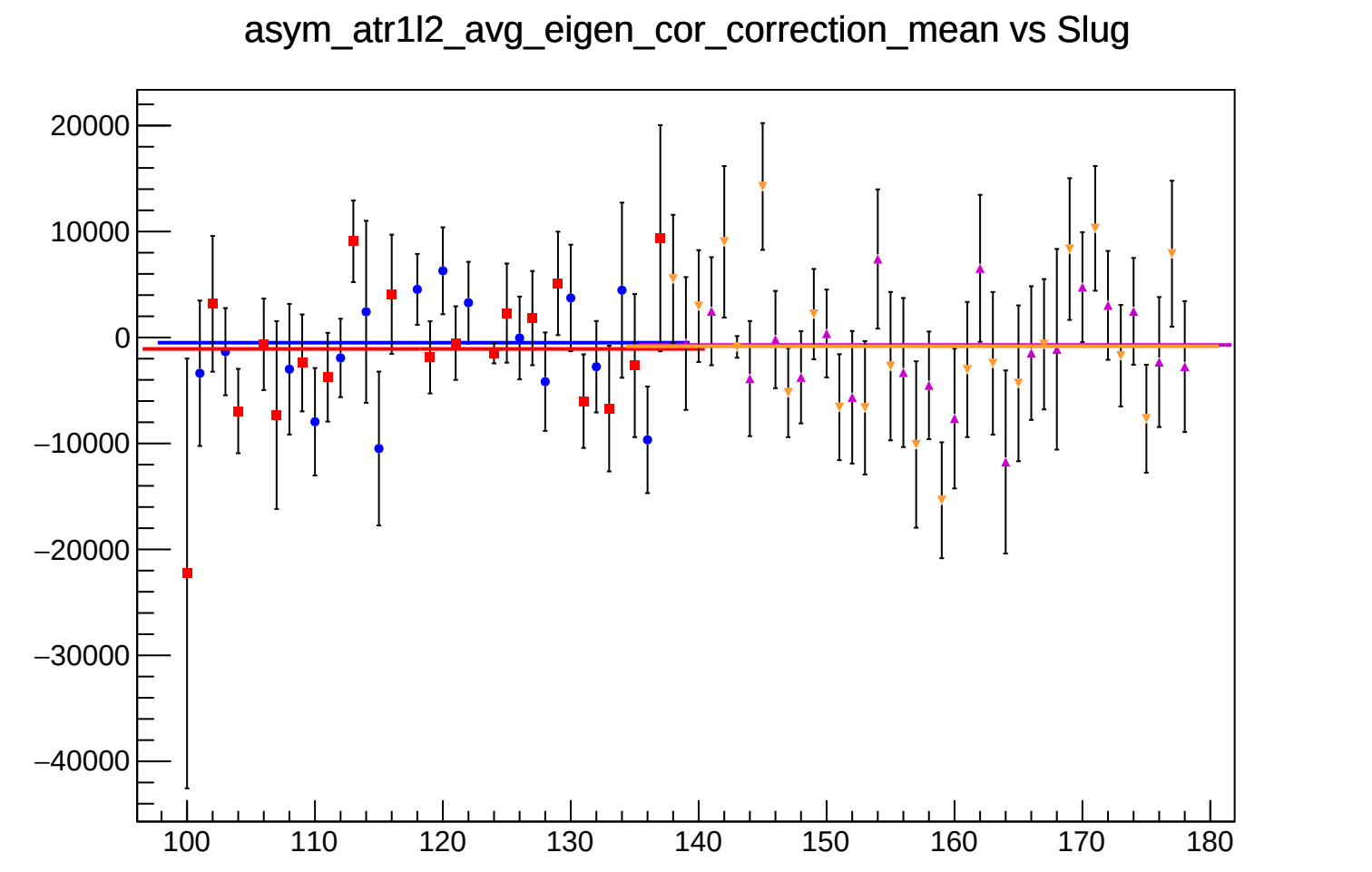
Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1856.337+/-0.325 χ^2/NDF:52560.0/19

+ sign 1837.031+/-0.269 χ^2/NDF: 1011910.2/36

All: 1828.652+/-0.189 χ^2/NDF: 1401213.2/75

- sign 1820.443+/-0.266 χ^2/NDF: 387376.3/38



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -831.297+/-800.589 χ^2/NDF:31.5/20

Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

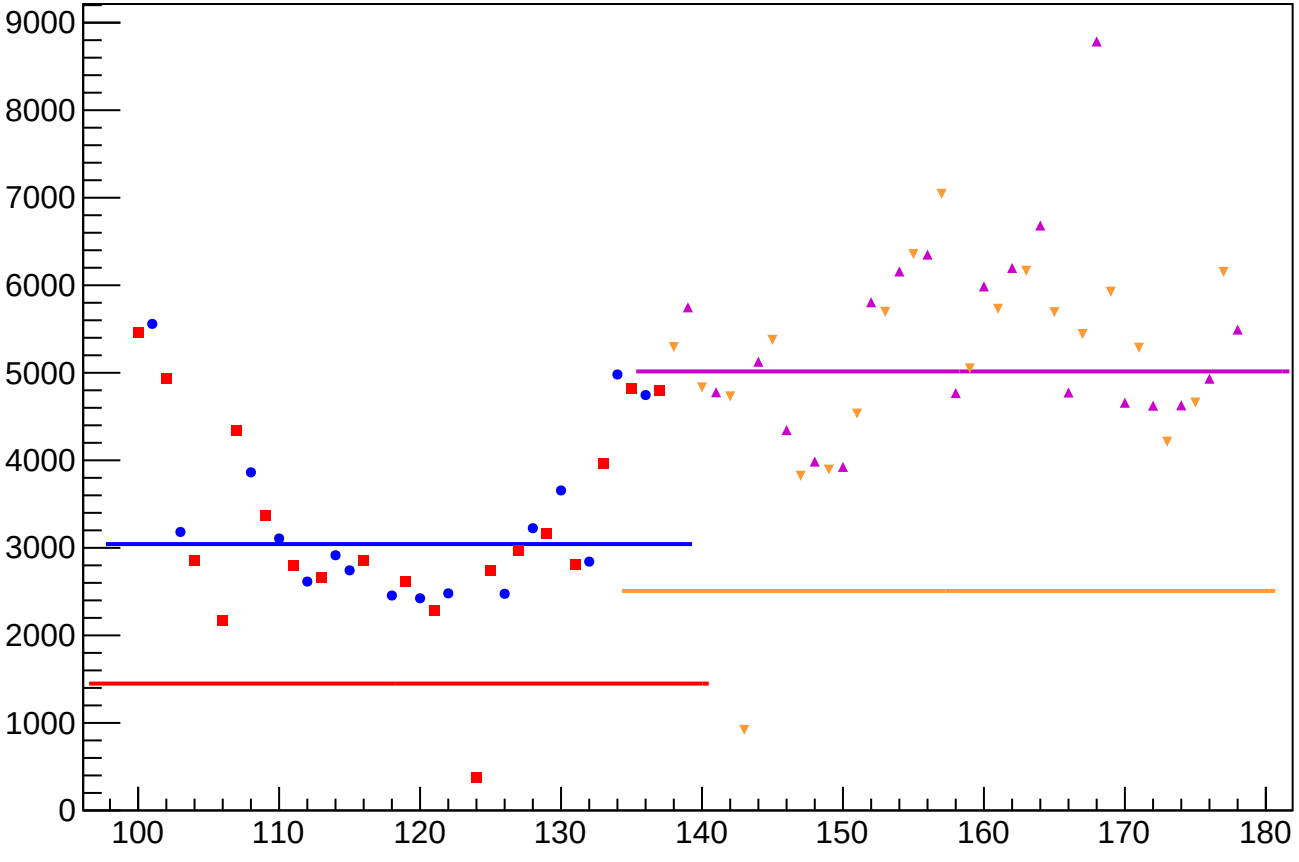
Left In: -706.829+/-1265.372 χ^2/NDF:10.2/19

+ sign -723.792+/-661.297 χ^2/NDF: 47.5/36

All: -861.212+/-457.376 χ^2/NDF: 76.3/75

- sign -987.228+/-633.267 χ^2/NDF: 28.7/38

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2508.161+/-0.566 χ^2/NDF:13309413.3/20

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

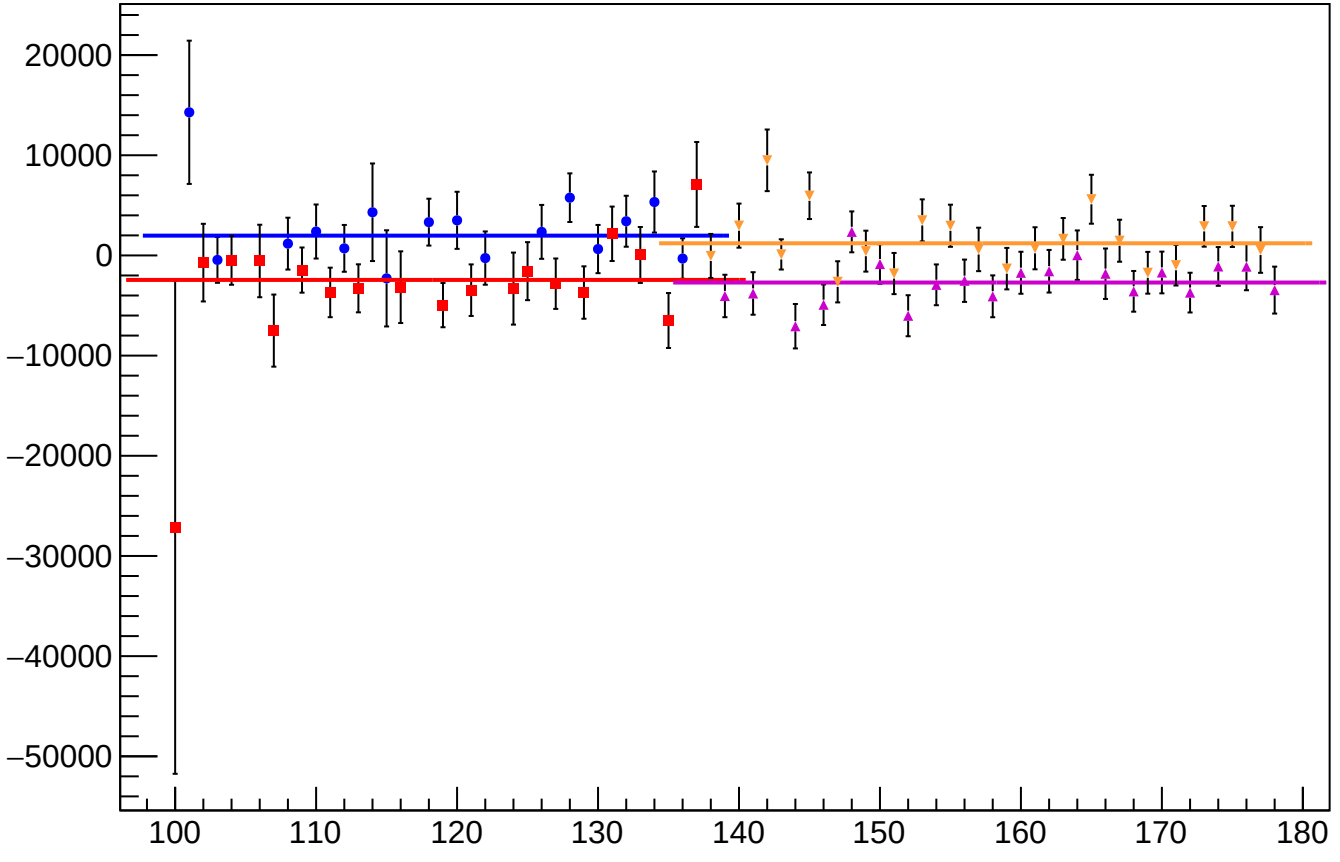
Left In: 5015.613+/-0.895 χ^2/NDF:1035387.6/19

+ sign 2678.167+/-0.468 χ^2/NDF: 14498940.1/36

All: 2503.162+/-0.323 χ^2/NDF: 34534807.8/7

- sign 2342.679+/-0.448 χ^2/NDF: 19767356.9/38

dit_asym_atr1l2_avg_mean vs Slug



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1213.032+/-458.666 χ^2/NDF:30.2/20

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

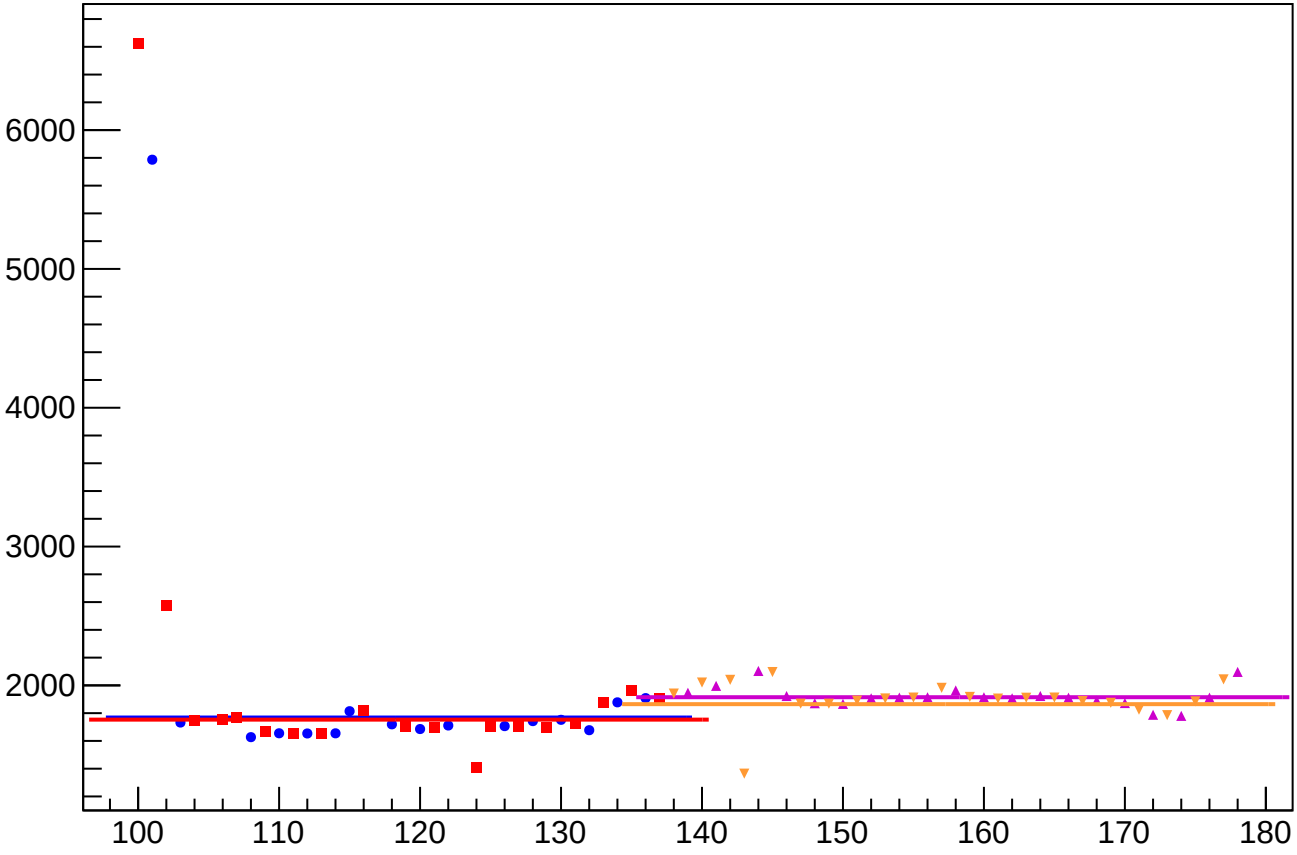
Left In: -2705.014+/-474.086 χ^2/NDF:19.6/19

+ sign 1454.422+/-379.208 χ^2/NDF: 43.5/36

All: -552.062+/-270.021 χ^2/NDF: 137.4/75

- sign -2615.831+/-384.583 χ^2/NDF: 37.2/38

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1864.807+/-0.324 χ^2/NDF:286795.6/20

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

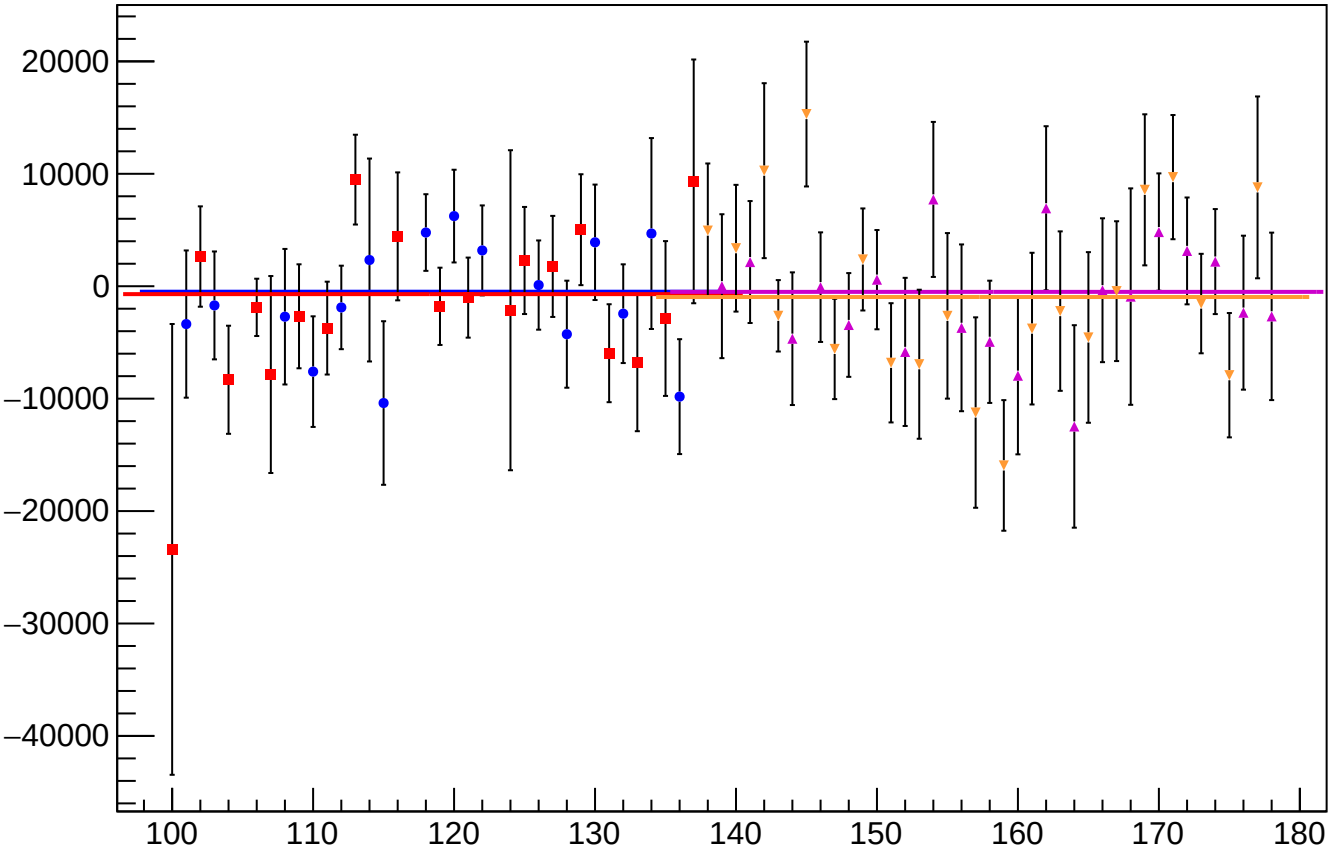
Left In: 1914.844+/-0.335 χ^2/NDF:52276.6/19

+ sign 1834.323+/-0.268 χ^2/NDF: 982079.0/36

All: 1846.717+/-0.191 χ^2/NDF: 1337151.4/75

- sign 1859.441+/-0.272 χ^2/NDF: 350742.5/38

asym_atr1l2_avg_dit_correction_mean vs Slug



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: -960.446+/-1233.251 χ^2/NDF:31.4/20

Right Out: -703.324+/-1069.467 χ^2/NDF: 18.8/18

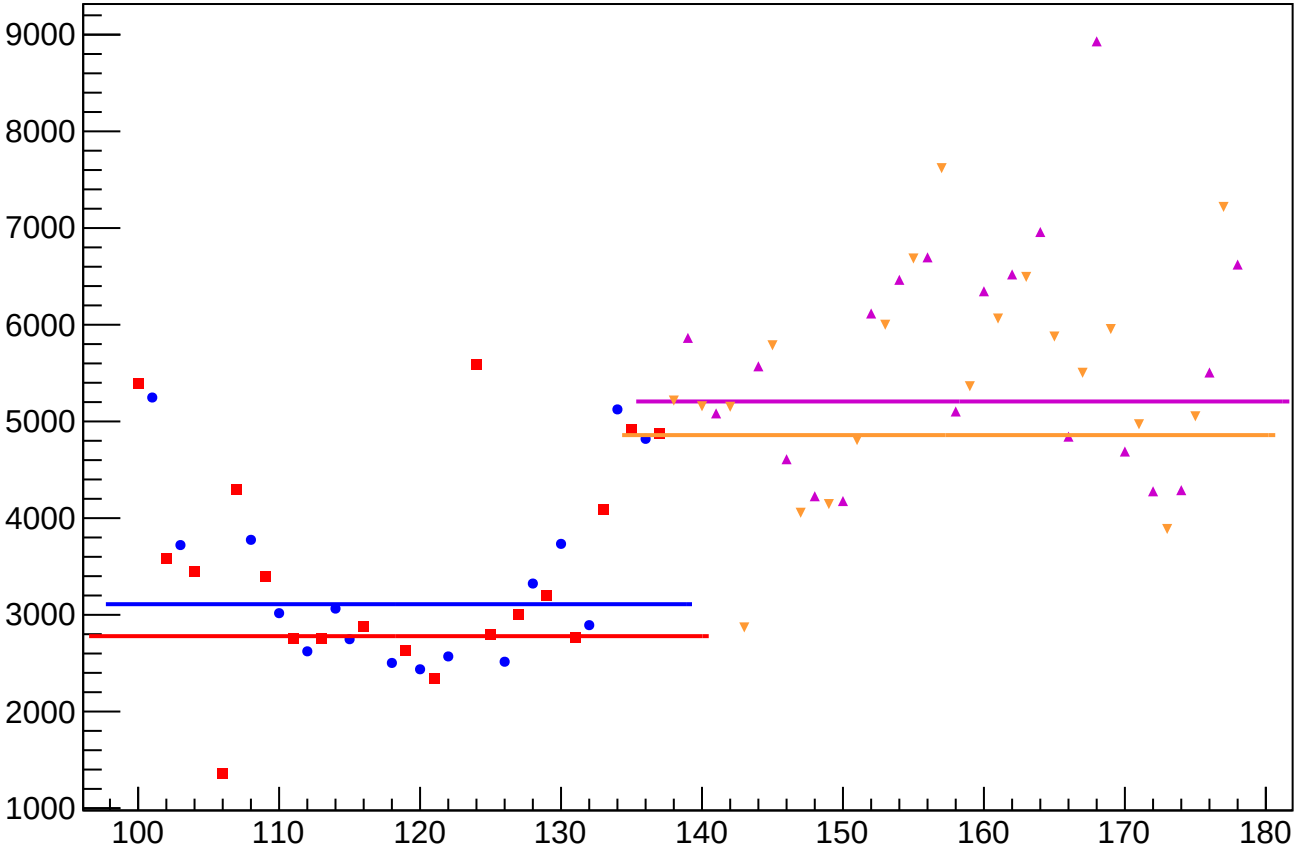
Left In: -502.129+/-1317.001 χ^2/NDF:10.2/19

+ sign -717.528+/-859.493 χ^2/NDF: 47.2/36

All: -668.819+/-597.132 χ^2/NDF: 76.3/75

- sign -623.373+/-830.212 χ^2/NDF: 29.1/38

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 4858.684+/-0.872 χ^2/NDF:1916769.8/20

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

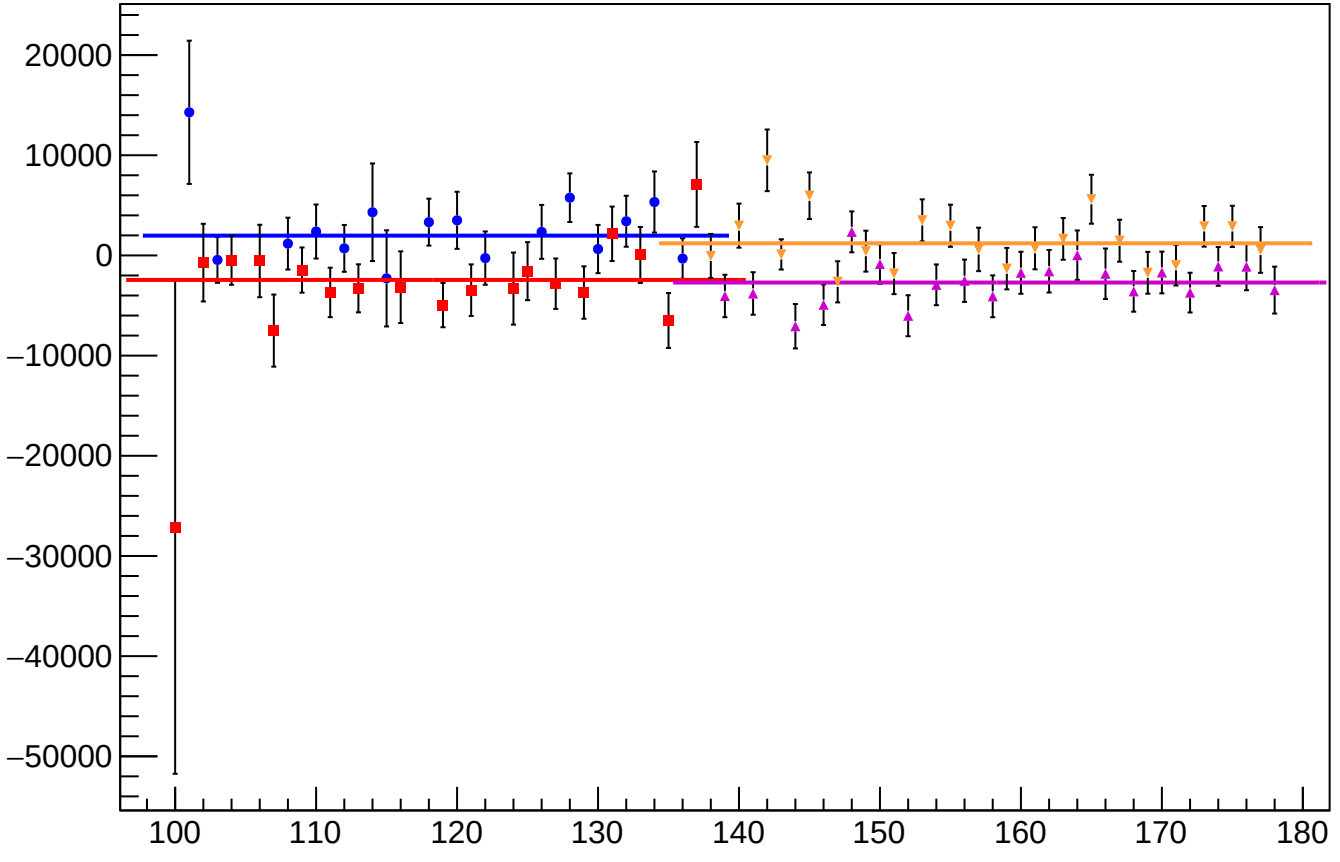
Left In: 5206.574+/-0.931 χ^2/NDF:1193858.2/19

+ sign 3959.429+/-0.608 χ^2/NDF: 4867733.3/36

All: 3848.008+/-0.422 χ^2/NDF: 11567507.5/7

- sign 3744.050+/-0.587 χ^2/NDF: 6634803.6/38

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1213.030+/-458.667 χ^2/NDF:30.2/20

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

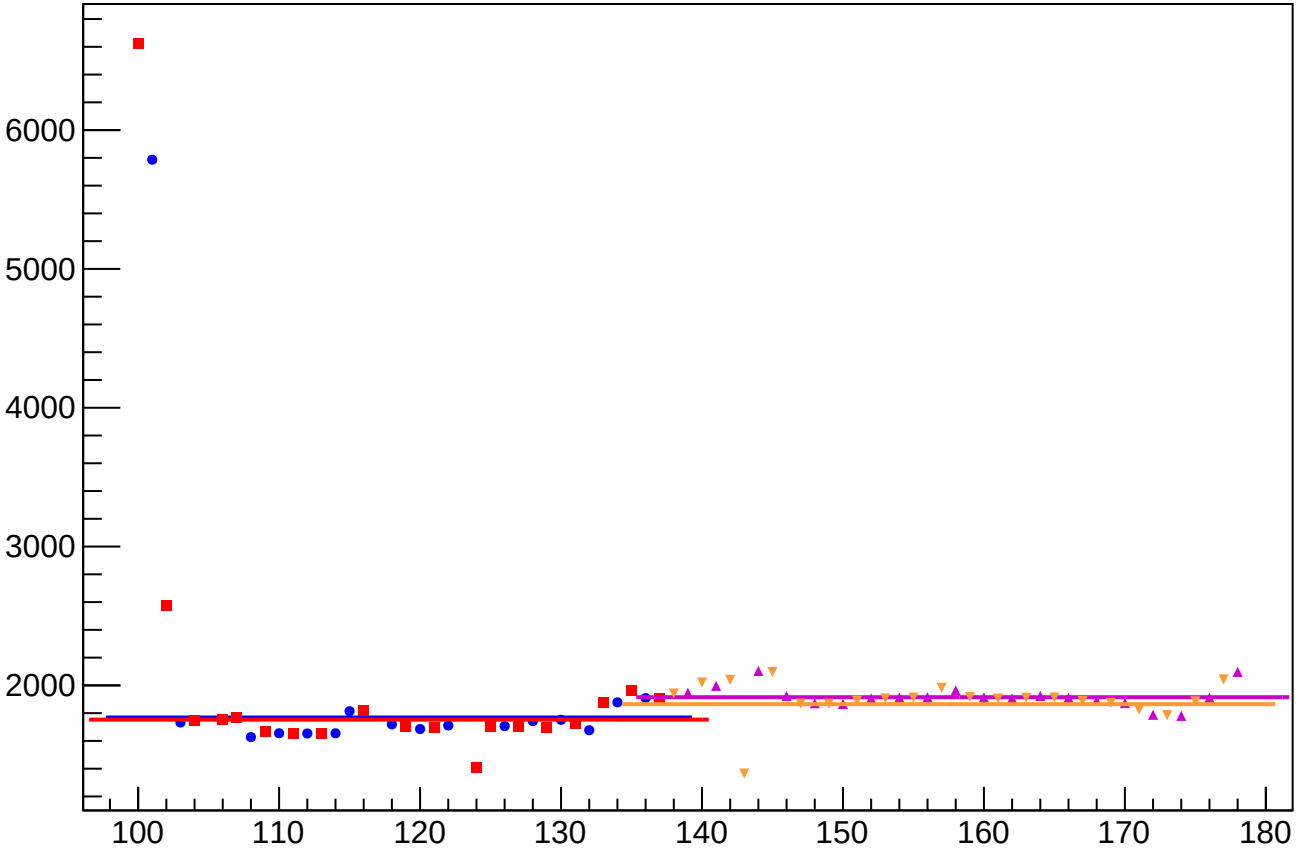
Left In: -2705.014+/-474.086 χ^2/NDF:19.6/19

+ sign 1454.421+/-379.208 χ^2/NDF: 43.5/36

All: -552.063+/-270.021 χ^2/NDF: 137.4/75

- sign -2615.832+/-384.583 χ^2/NDF: 37.2/38

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1864.807+/-0.324 χ^2/NDF:286798.4/20

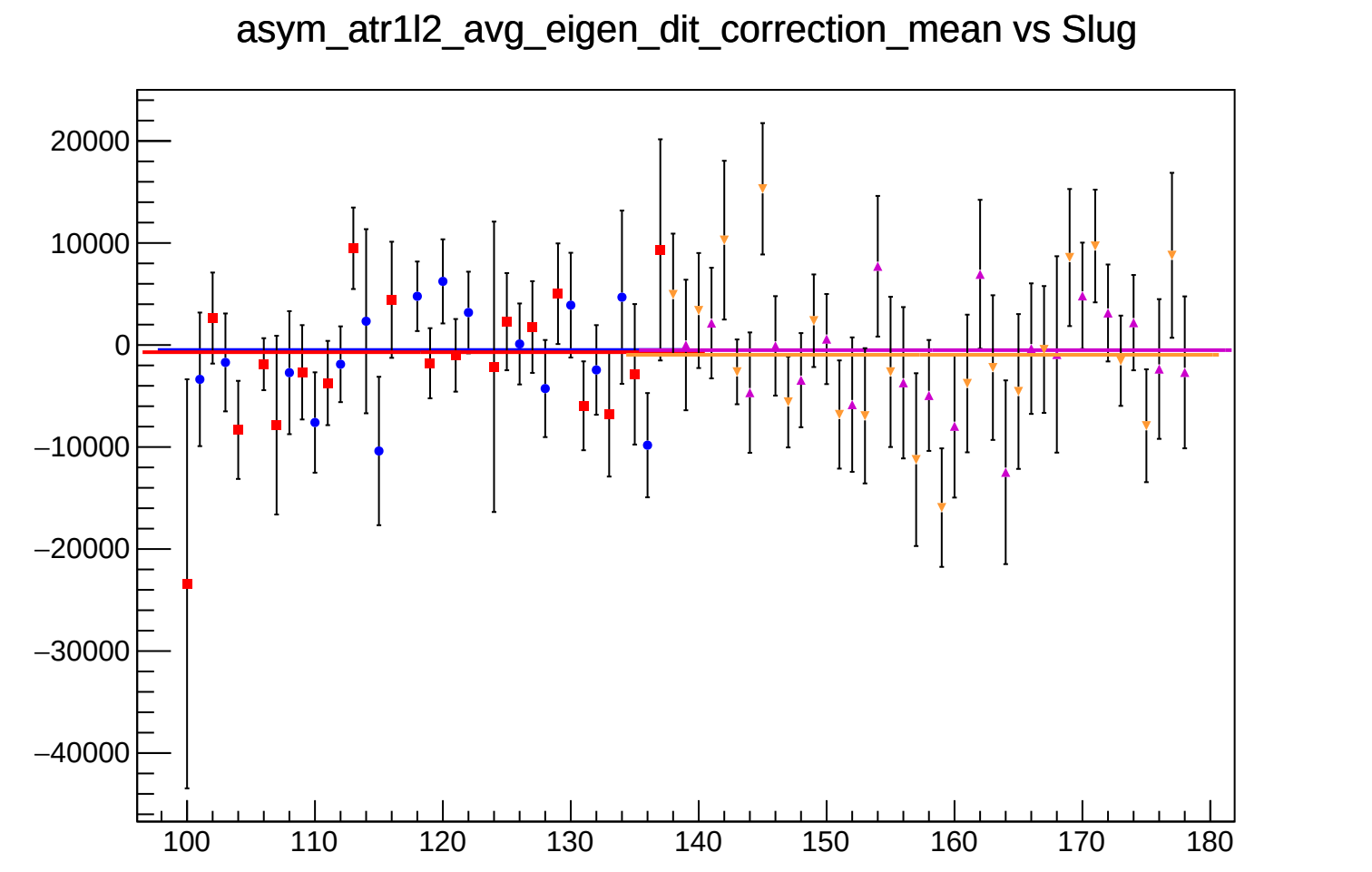
Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1914.845+/-0.335 χ^2/NDF:52278.7/19

+ sign 1834.323+/-0.268 χ^2/NDF: 982082.3/36

All: 1846.717+/-0.191 χ^2/NDF: 1337157.7/75

- sign 1859.442+/-0.272 χ^2/NDF: 350745.7/38



Right In: -488.098+/-1198.502 χ^2/NDF: 15.8/15

Left Out: -960.451+/-1233.253 χ^2/NDF:31.4/20

Right Out: -703.325+/-1069.463 χ^2/NDF: 18.8/18

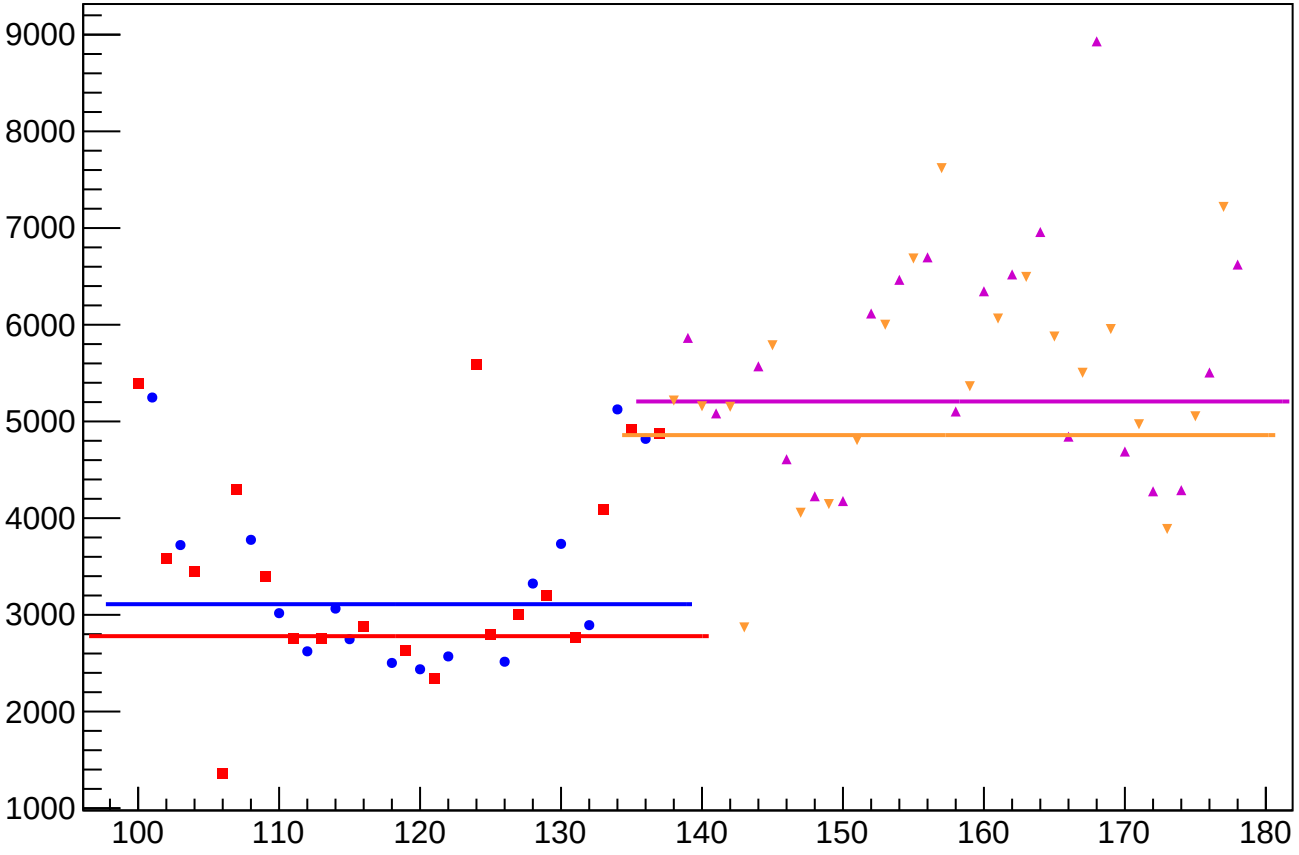
Left In: -502.130+/-1317.003 χ^2/NDF:10.2/19

+ sign -717.526+/-859.492 χ^2/NDF: 47.2/36

All: -668.819+/-597.131 χ^2/NDF: 76.3/75

- sign -623.375+/-830.211 χ^2/NDF: 29.1/38

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 4858.690+/-0.872 χ^2/NDF:1916776.5/20

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

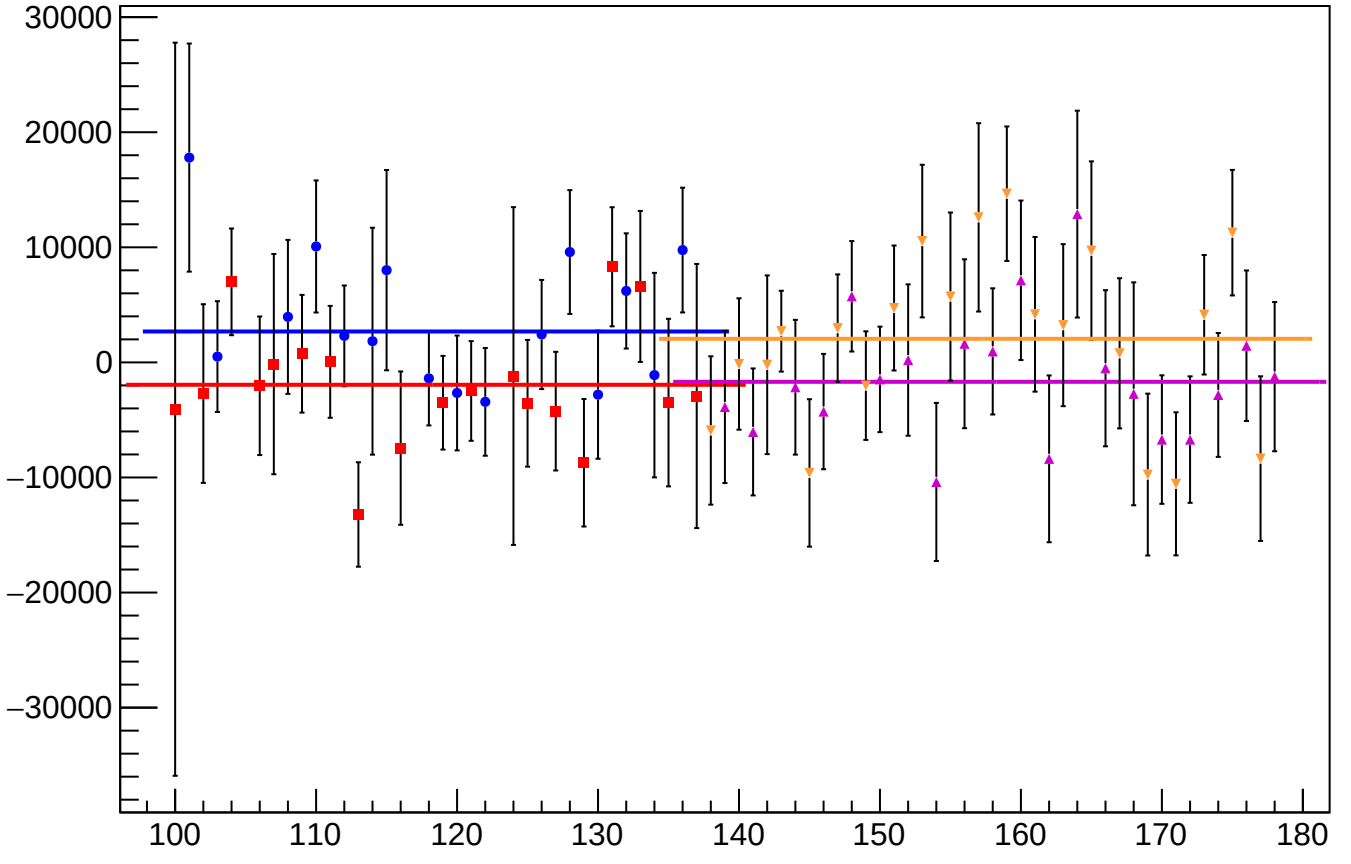
Left In: 5206.582+/-0.931 χ^2/NDF:1193859.7/19

+ sign 3959.423+/-0.608 χ^2/NDF: 4867794.8/36

All: 3847.999+/-0.422 χ^2/NDF: 11567667.0/7

- sign 3744.039+/-0.587 χ^2/NDF: 6634898.9/38

asym_atr1l2_avg_mean vs Slug



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: 2049.727+/-1284.707 χ^2/NDF:27.5/20

Right Out: -1945.685+/-1332.986 χ^2/NDF: 18.7/18

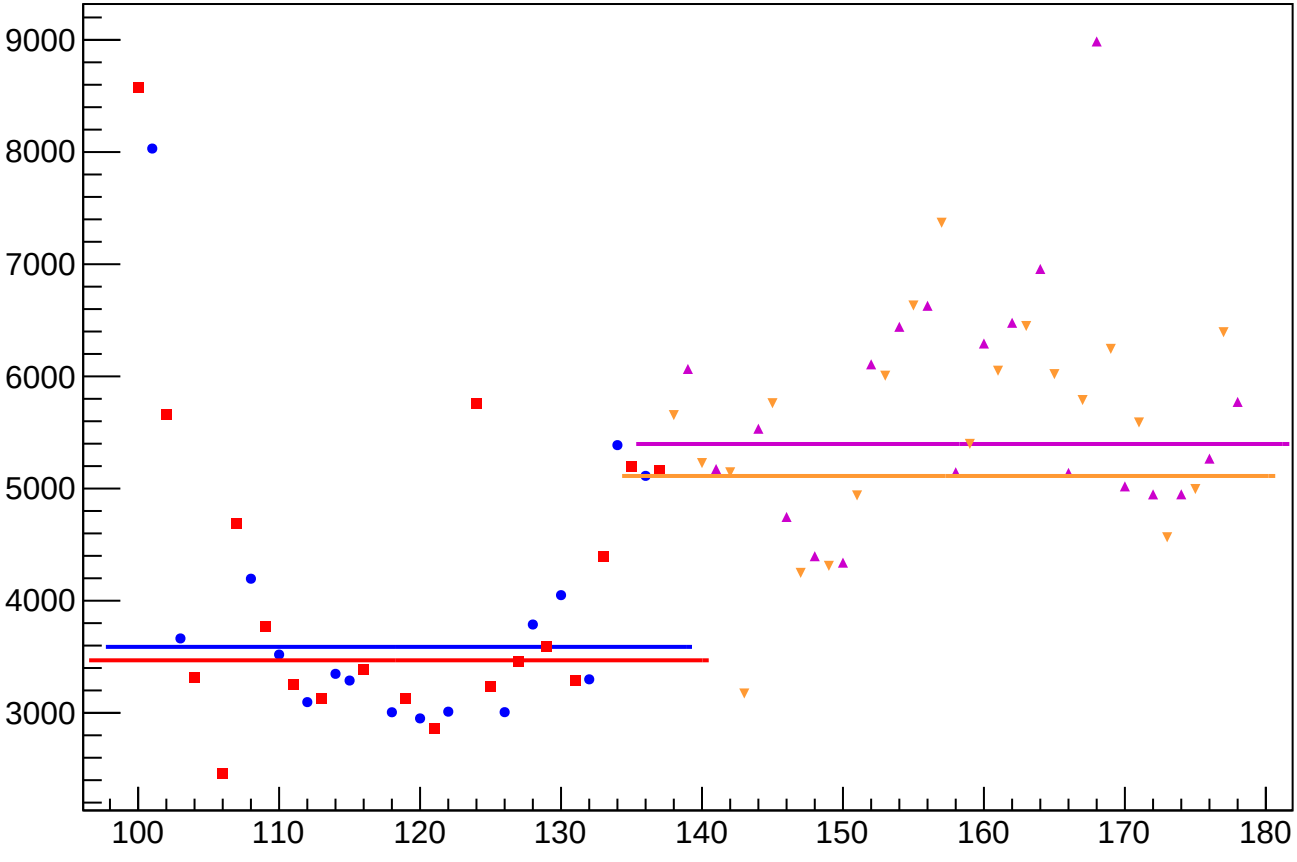
Left In: -1687.758+/-1356.508 χ^2/NDF:12.6/19

+ sign 2344.888+/-940.281 χ^2/NDF: 41.1/36

All: 286.052+/-668.557 χ^2/NDF: 82.1/75

- sign -1818.977+/-950.771 χ^2/NDF: 31.3/38

asym_atr1l2_avg_rms vs Slug



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 5112.087+/-0.908 χ^2/NDF:1364580.2/20

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

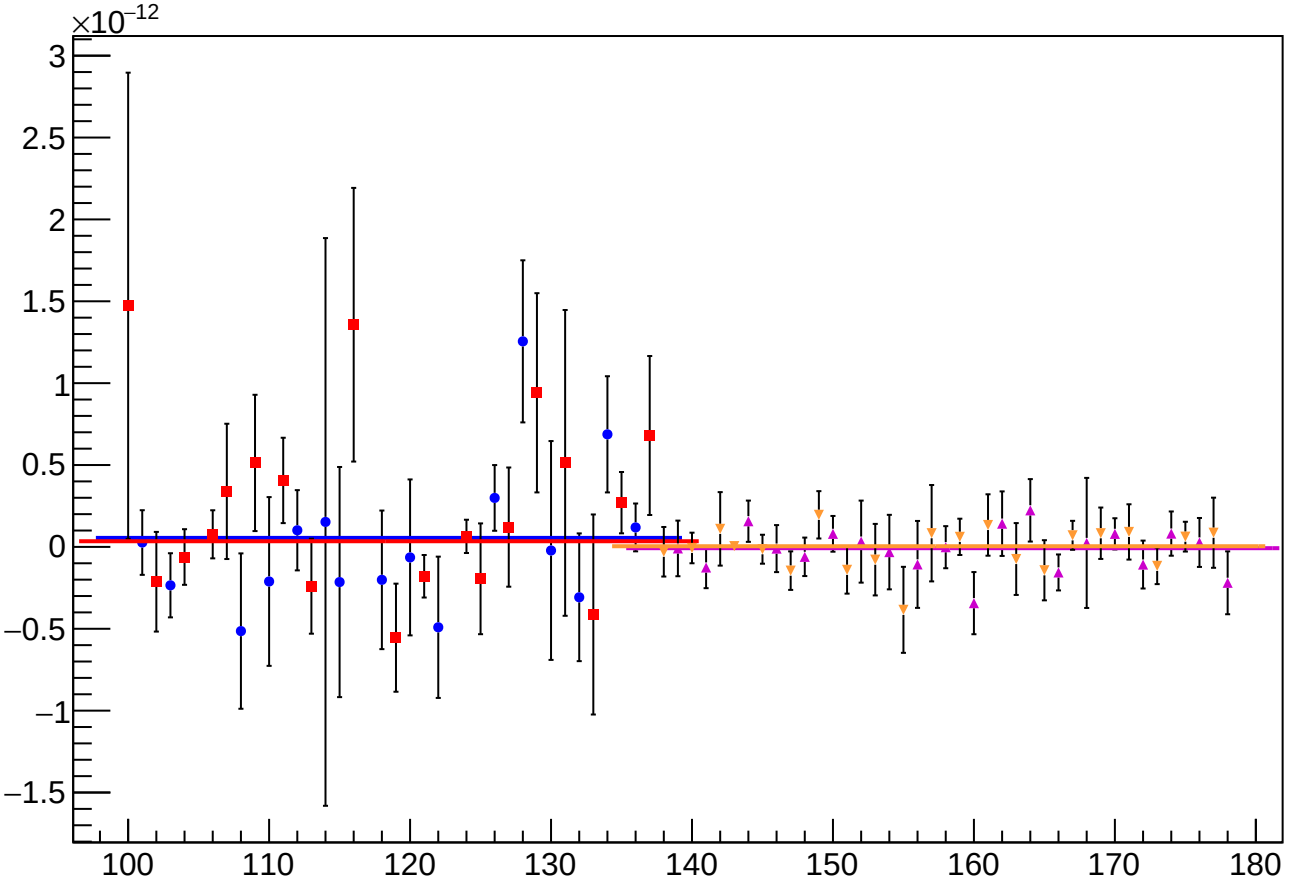
Left In: 5397.239+/-0.959 χ^2/NDF:841847.3/19

+ sign 4404.624+/-0.665 χ^2/NDF: 3516006.8/36

All: 4402.976+/-0.471 χ^2/NDF: 7112046.6/75

- sign 4401.318+/-0.667 χ^2/NDF: 3596027.5/38

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:11.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

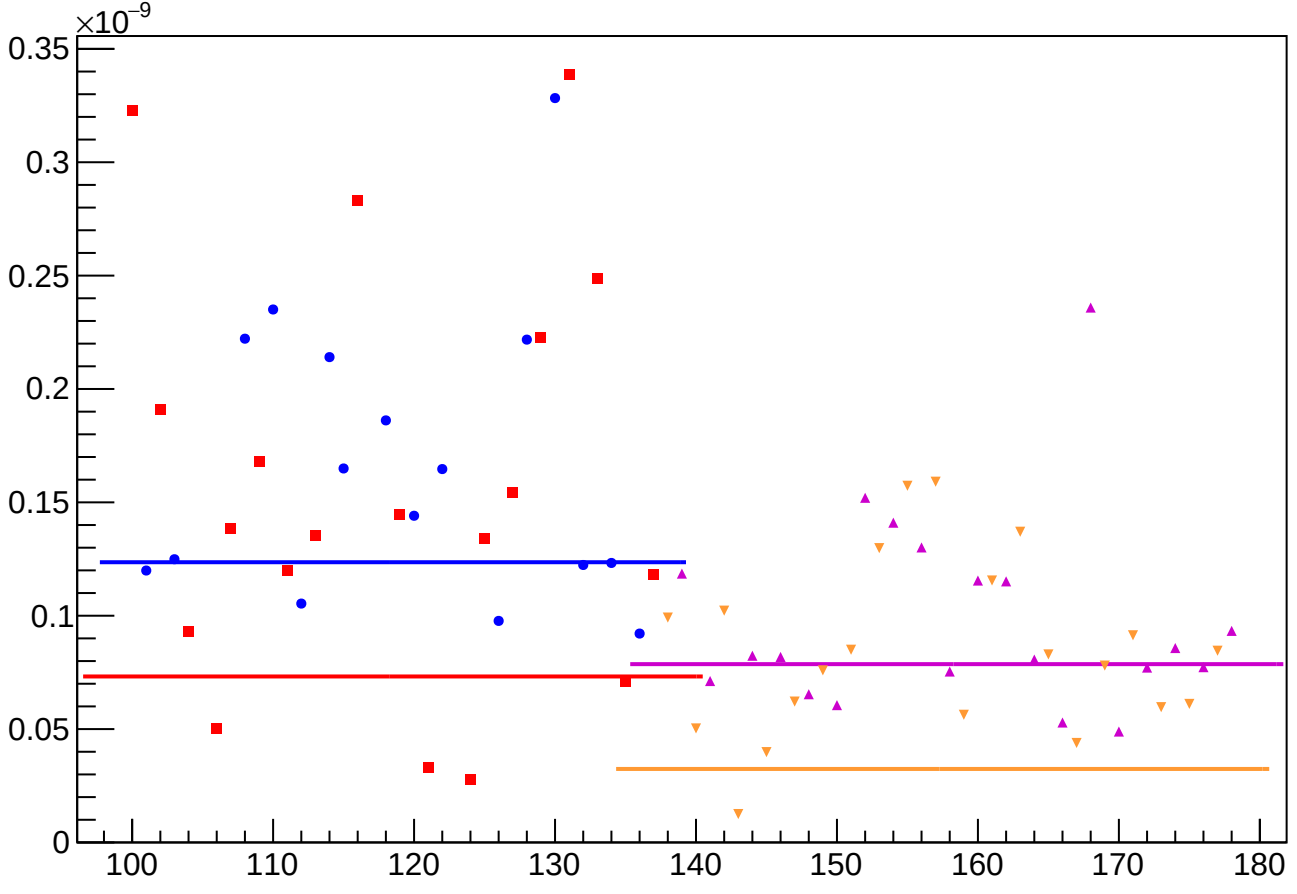
Left In: -0.000+/-0.000 χ^2/NDF:13.6/19

+ sign 0.000+/-0.000 χ^2/NDF: 29.6/36

All: 0.000+/-0.000 χ^2/NDF: 65.9/75

- sign 0.000+/-0.000 χ^2/NDF: 36.3/38

asym_atr1l2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 662149.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:6006659.0/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2188857.9/18

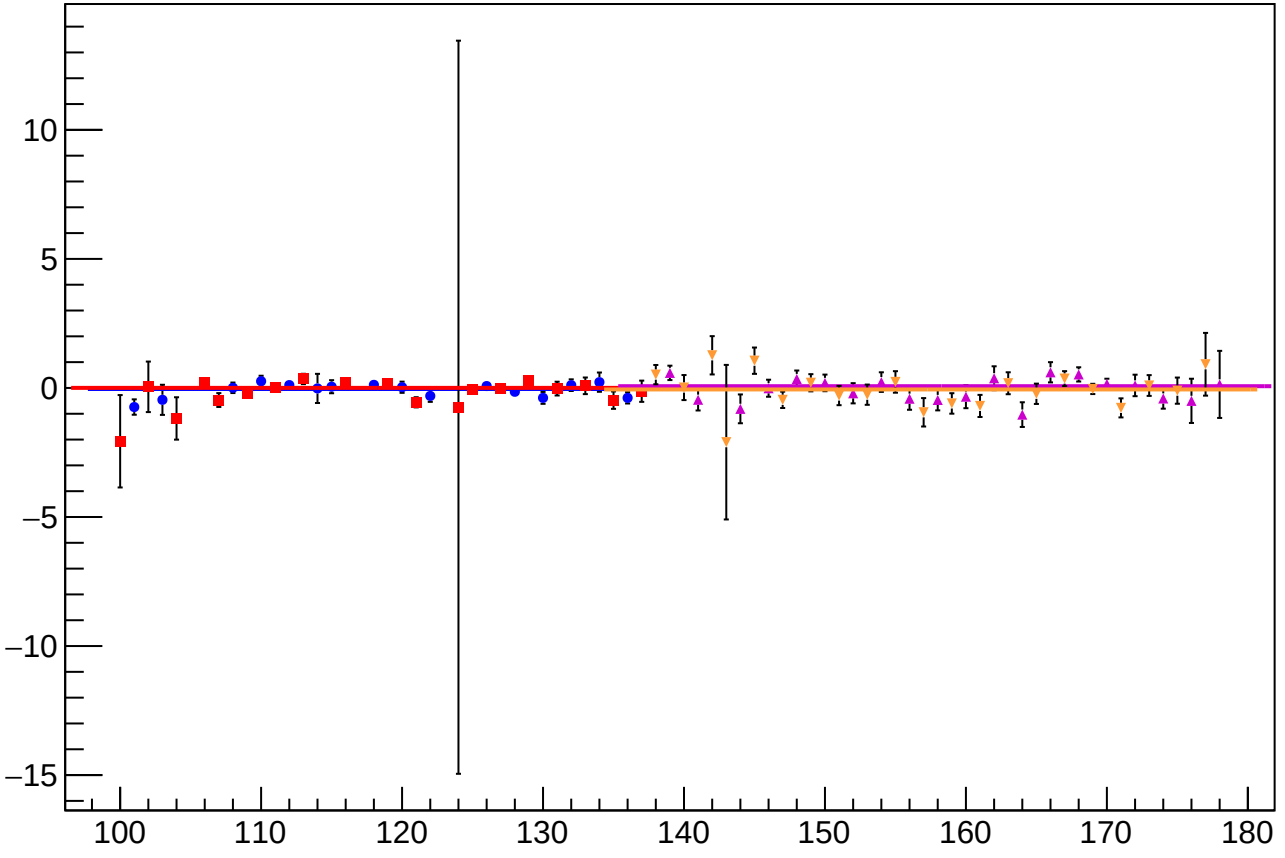
Left In: 0.000+/-0.000 χ^2/NDF:1378764.8/19

+ sign 0.000+/-0.000 χ^2/NDF: 9598446.0/36

All: 0.000+/-0.000 χ^2/NDF: 16061667.8/75

- sign 0.000+/-0.000 χ^2/NDF: 3582749.6/38

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.058+/-0.085 χ^2/NDF:28.0/20

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

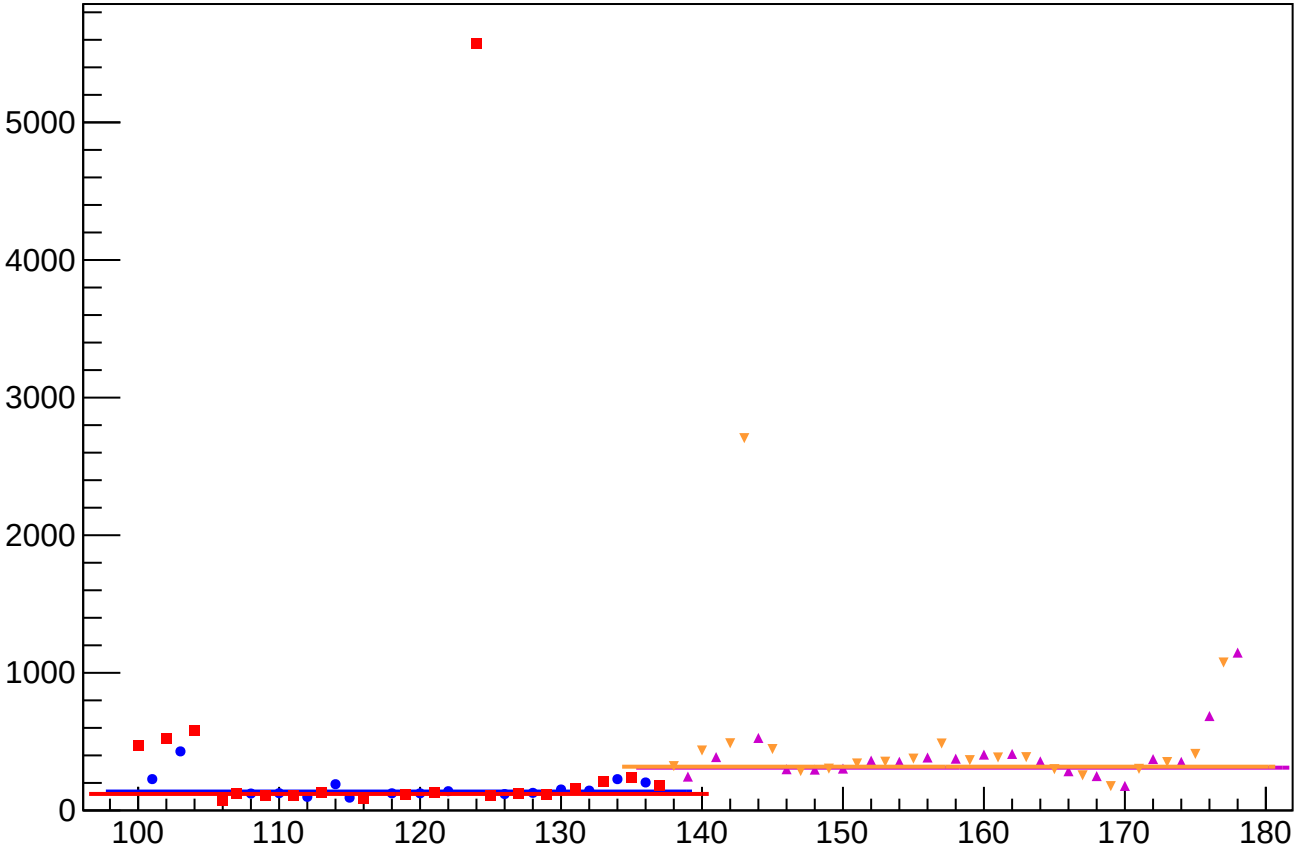
Left In: 0.068+/-0.082 χ^2/NDF:25.4/19

+ sign -0.045+/-0.047 χ^2/NDF: 46.0/36

All: -0.010+/-0.032 χ^2/NDF: 101.6/75

- sign 0.021+/-0.043 χ^2/NDF: 54.6/38

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 318.042+/-0.060 χ^2/NDF:3999750.2/20

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

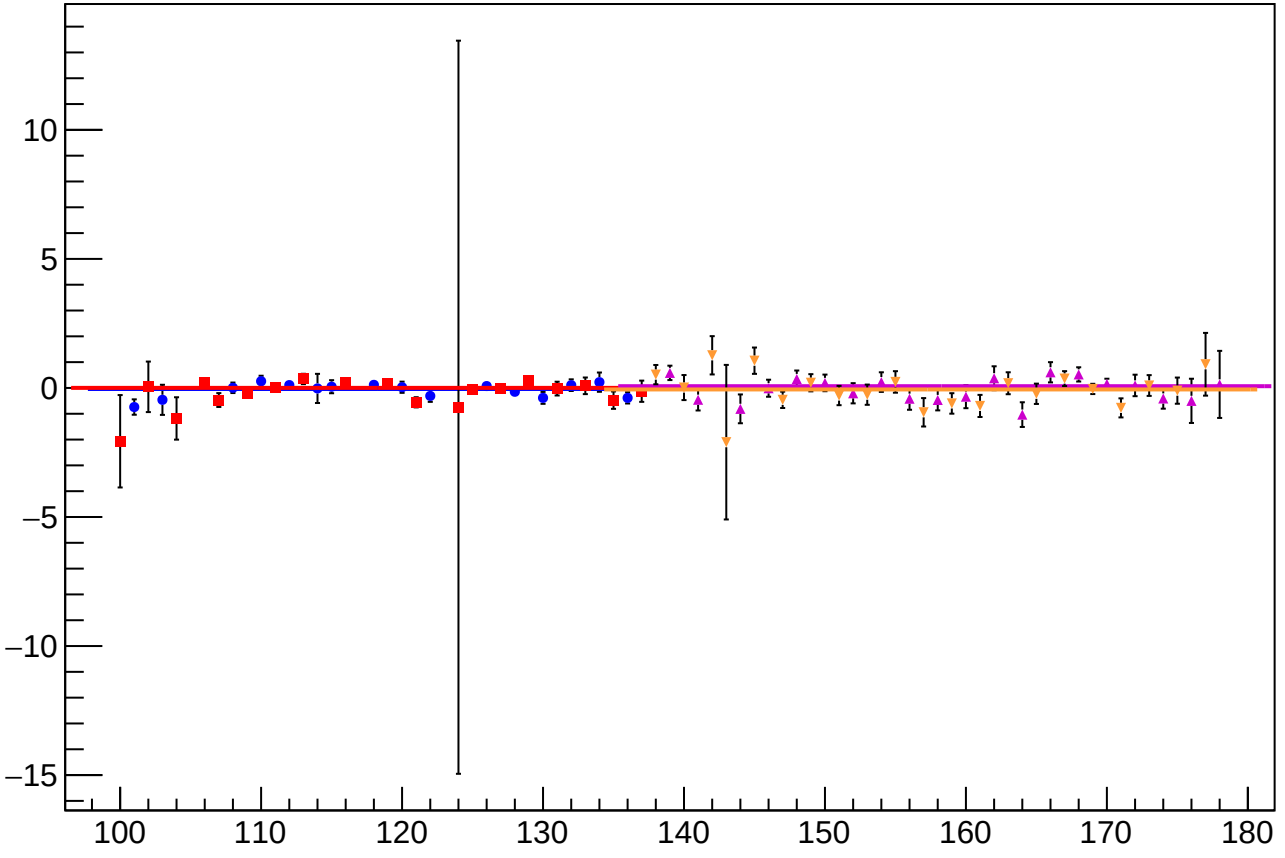
Left In: 310.902+/-0.058 χ^2/NDF:3106524.3/19

+ sign 191.749+/-0.033 χ^2/NDF: 11569718.6/36

All: 181.565+/-0.022 χ^2/NDF: 24764417.6/75

- sign 172.794+/-0.031 χ^2/NDF: 13017473.5/38

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: -0.058+/-0.085 χ^2/NDF:28.0/20

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

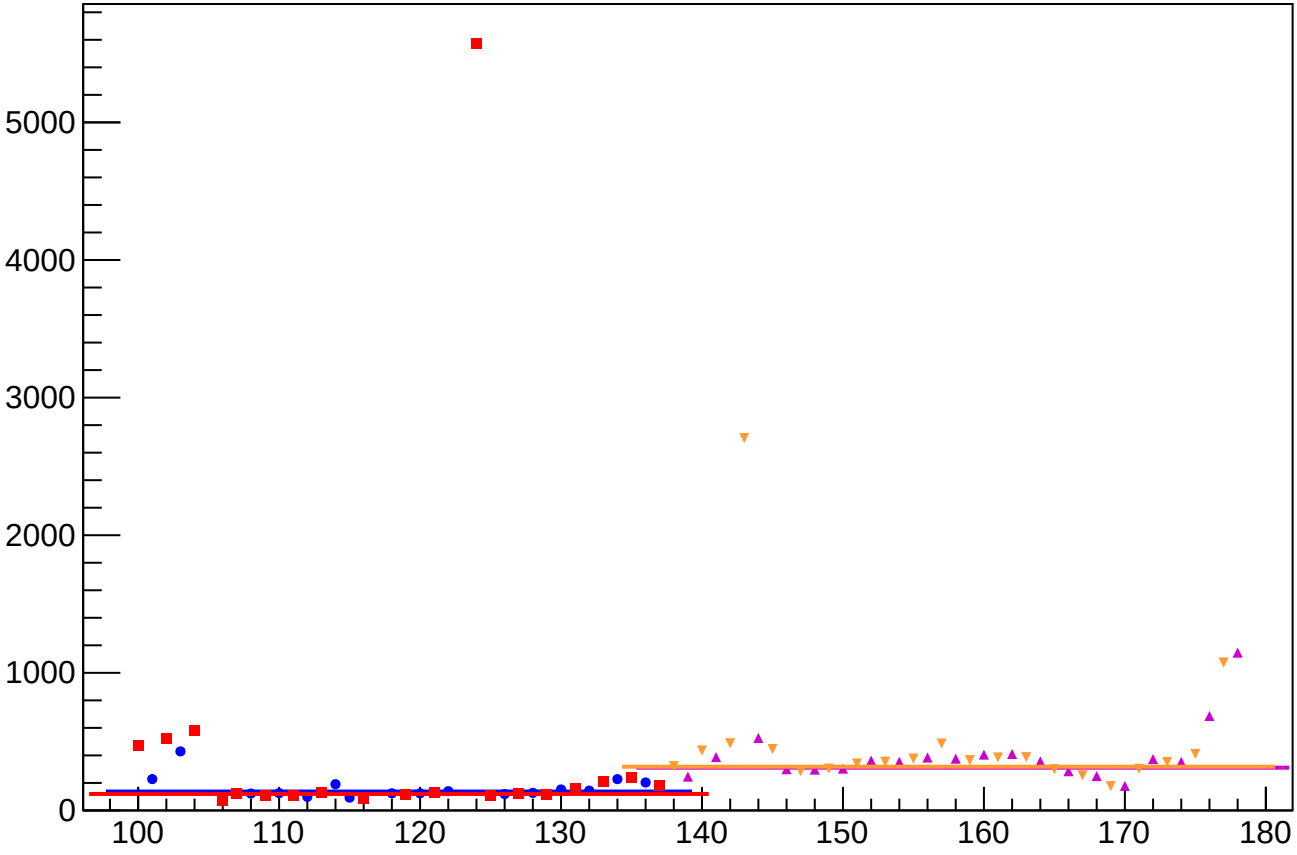
Left In: 0.068+/-0.082 χ^2/NDF:25.4/19

+ sign -0.045+/-0.047 χ^2/NDF: 46.0/36

All: -0.010+/-0.032 χ^2/NDF: 101.6/75

- sign 0.021+/-0.043 χ^2/NDF: 54.6/38

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: 318.042+/-0.060 χ^2/NDF:3999750.2/20

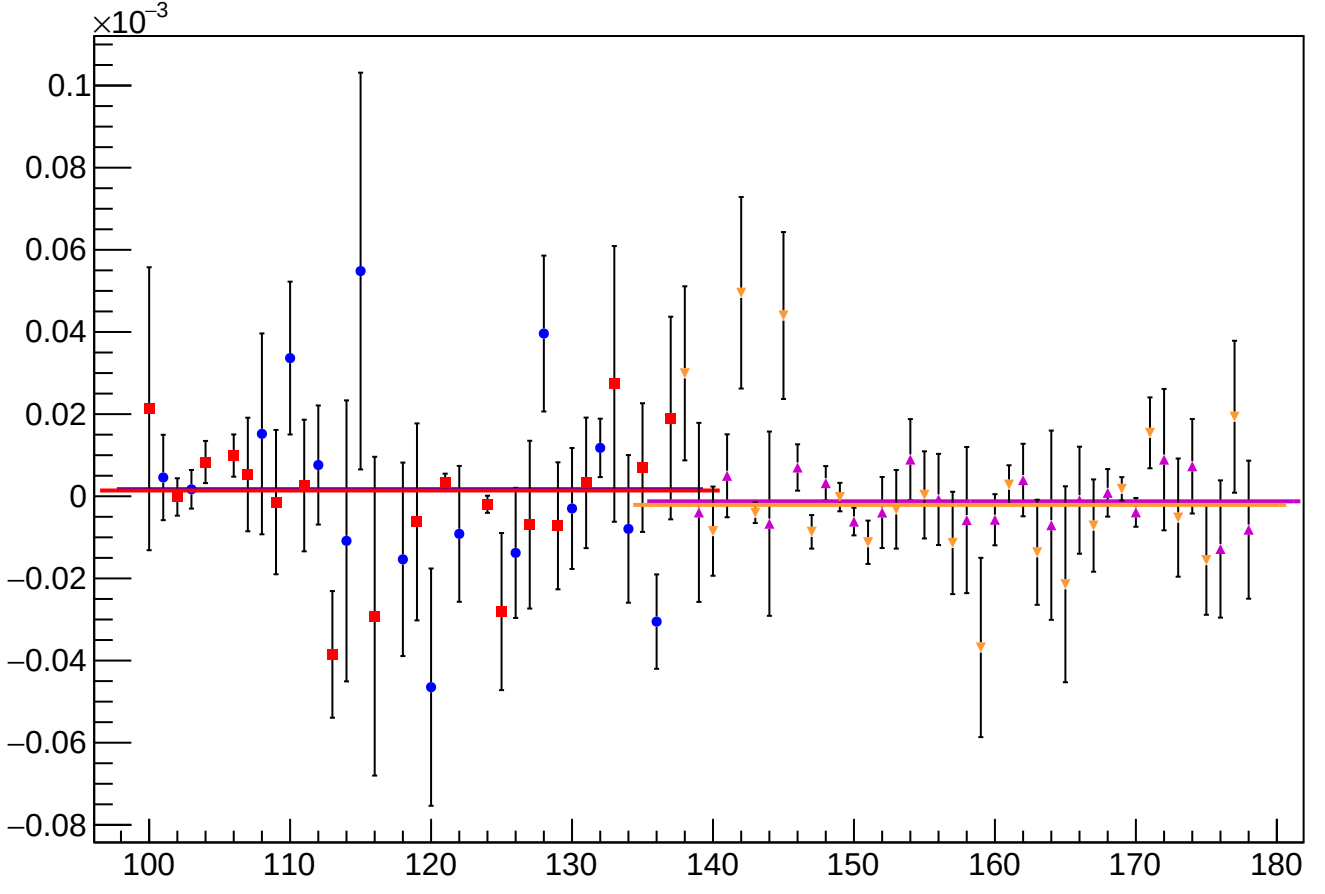
Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 310.902+/-0.058 χ^2/NDF:3106524.3/19

+ sign 191.749+/-0.033 χ^2/NDF: 11569718.6/36

All: 181.565+/-0.022 χ^2/NDF: 24764417.6/75

- sign 172.794+/-0.031 χ^2/NDF: 13017473.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

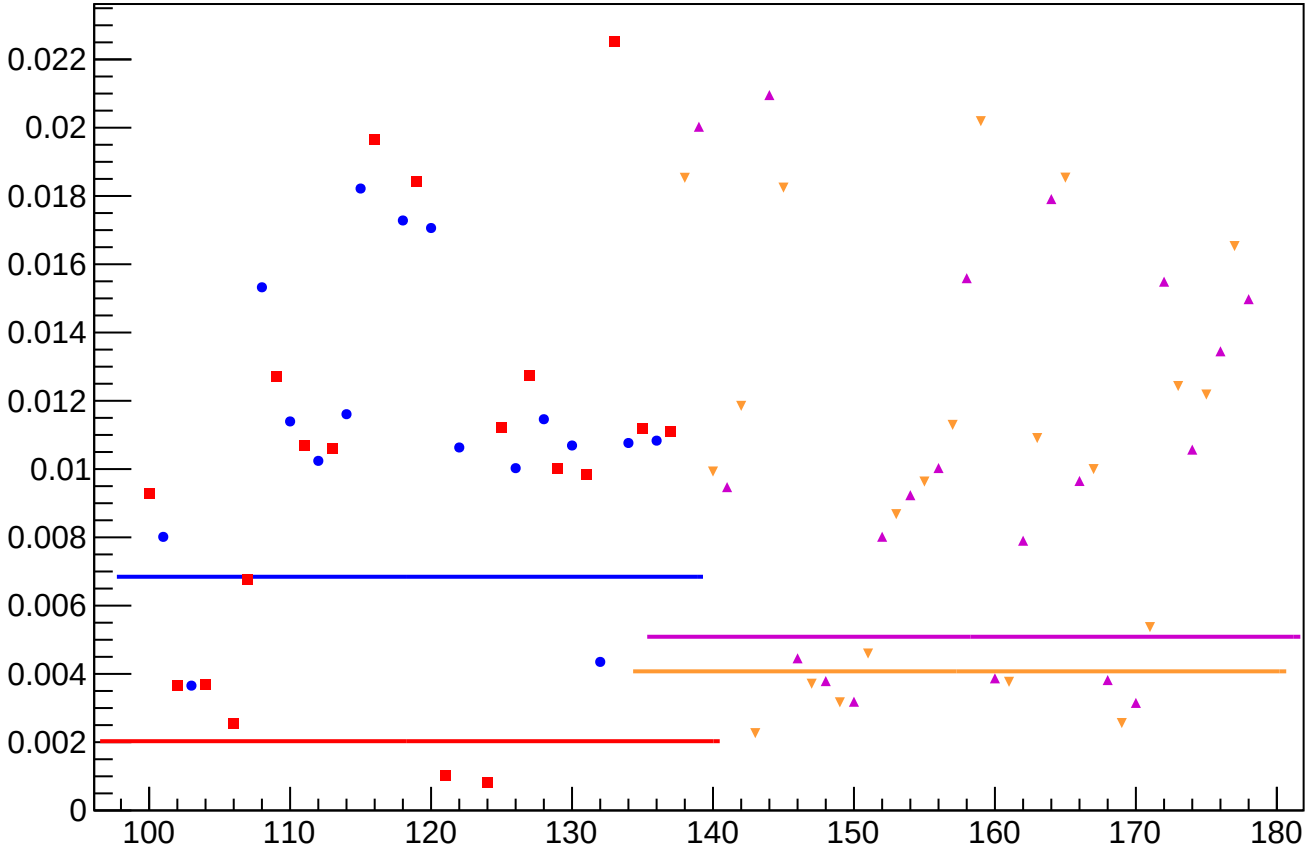
Left In: -0.000+/-0.000 χ^2/NDF:10.3/19

+ sign -0.000+/-0.000 χ^2/NDF: 58.6/36

All: -0.000+/-0.000 χ^2/NDF: 92.3/75

- sign 0.000+/-0.000 χ^2/NDF: 32.3/38

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:11492338.3/20

Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

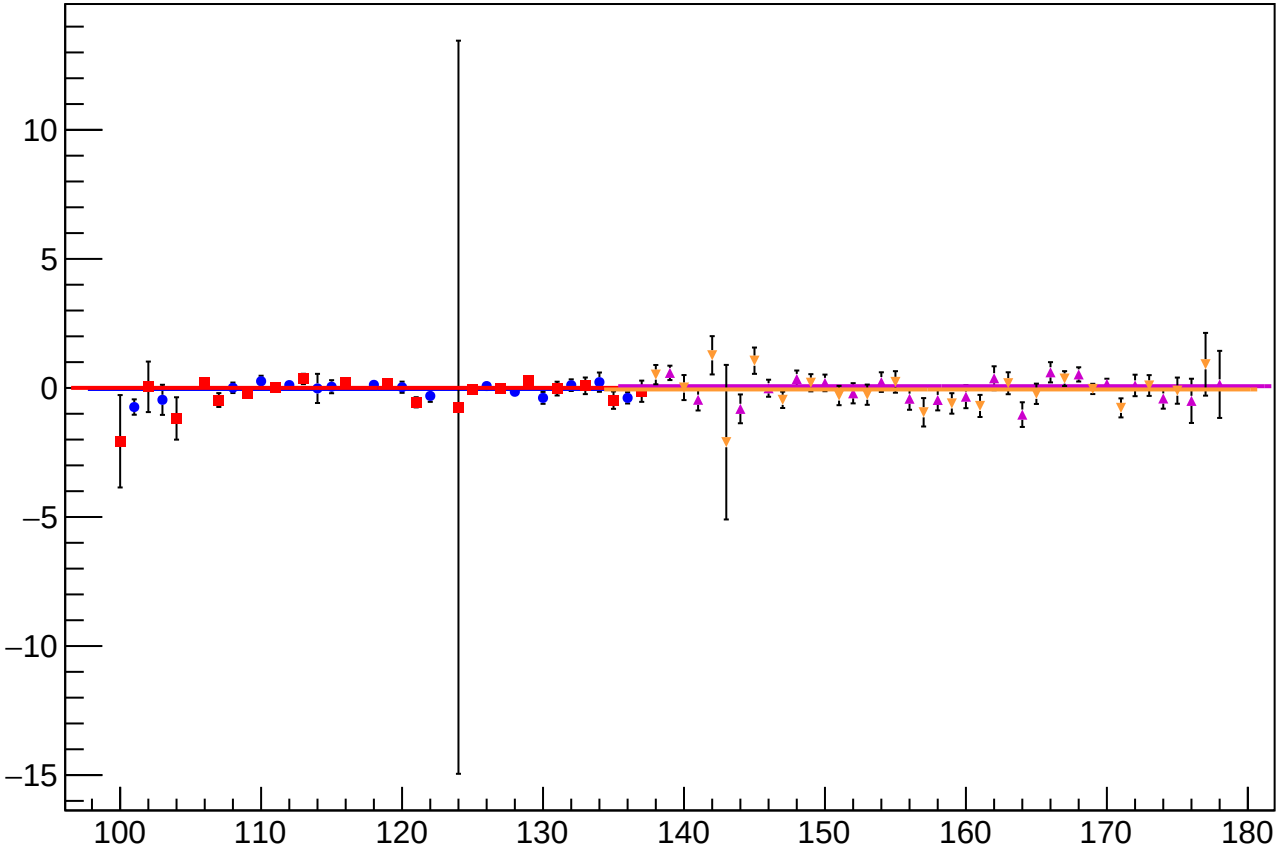
Left In: 0.005+/-0.000 χ^2/NDF:9084253.4/19

+ sign 0.005+/-0.000 χ^2/NDF: 16185349.6/36

All: 0.004+/-0.000 χ^2/NDF: 40310185.7/75

- sign 0.003+/-0.000 χ^2/NDF: 22697238.1/38

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: -0.058+/-0.085 χ^2/NDF:28.0/20

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

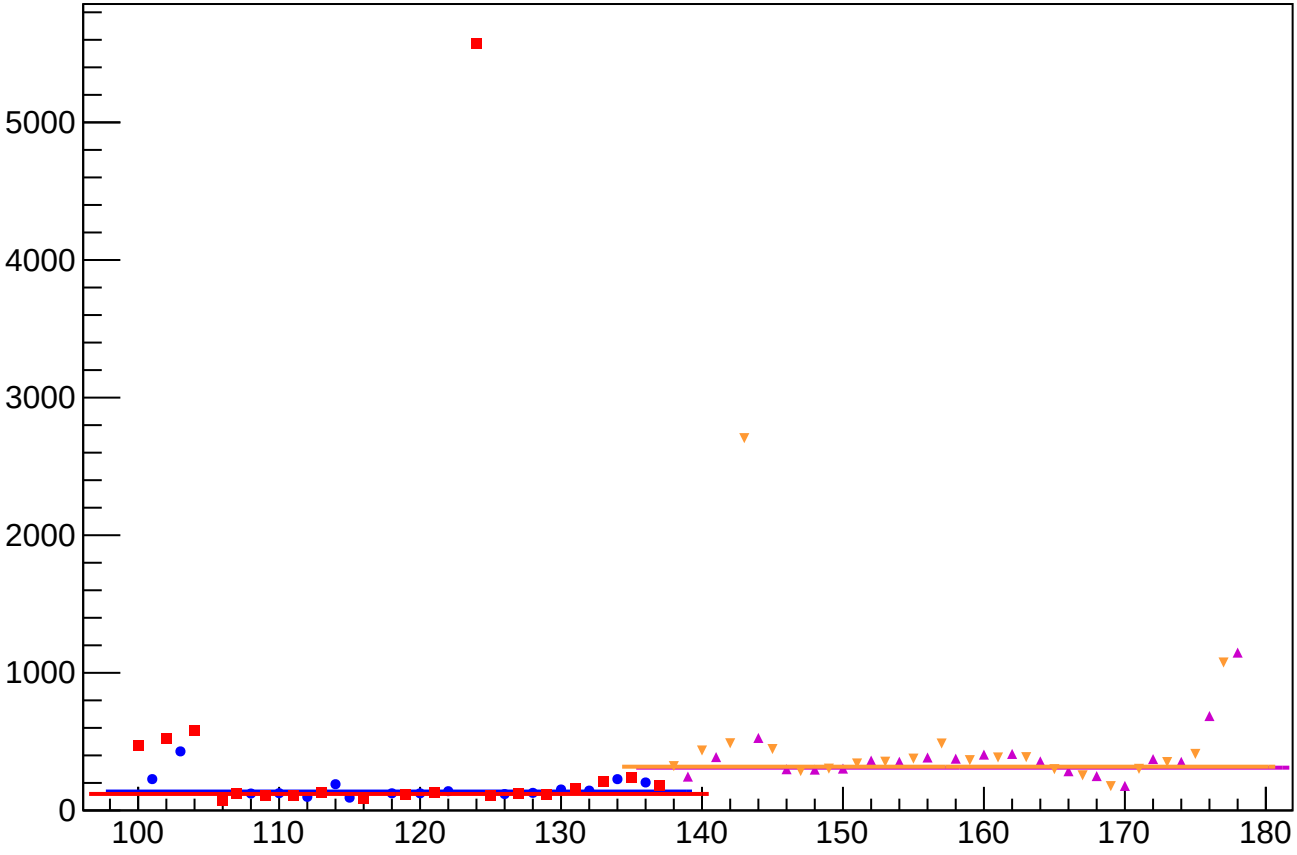
Left In: 0.068+/-0.082 χ^2/NDF:25.4/19

+ sign -0.045+/-0.047 χ^2/NDF: 46.0/36

All: -0.010+/-0.032 χ^2/NDF: 101.6/75

- sign 0.021+/-0.043 χ^2/NDF: 54.6/38

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: 318.044+/-0.060 χ^2/NDF:3999796.0/20

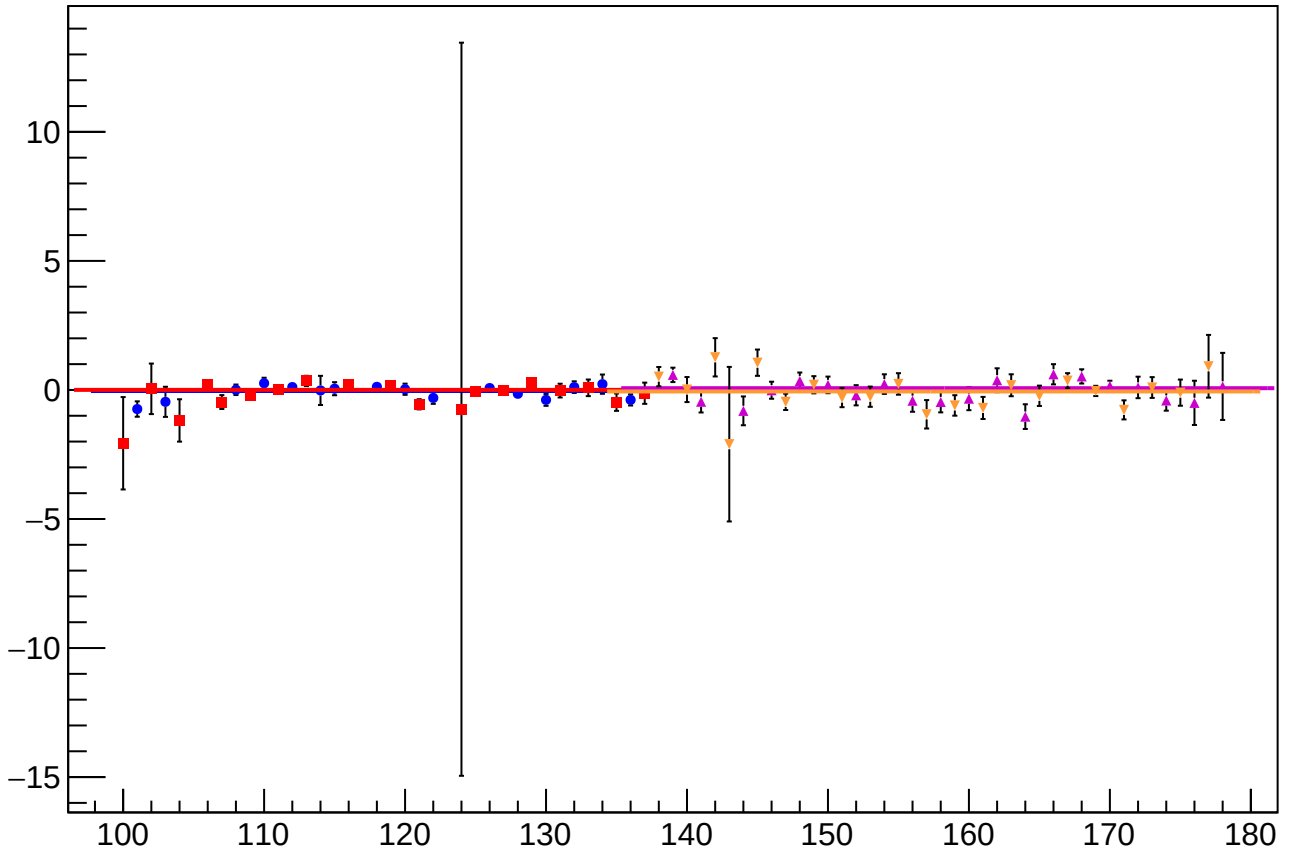
Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 310.905+/-0.058 χ^2/NDF:3106520.7/19

+ sign 191.750+/-0.033 χ^2/NDF: 11569693.3/36

All: 181.566+/-0.022 χ^2/NDF: 24764462.9/75

- sign 172.794+/-0.031 χ^2/NDF: 13017524.0/38



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.058+/-0.085 χ^2/NDF:28.0/20

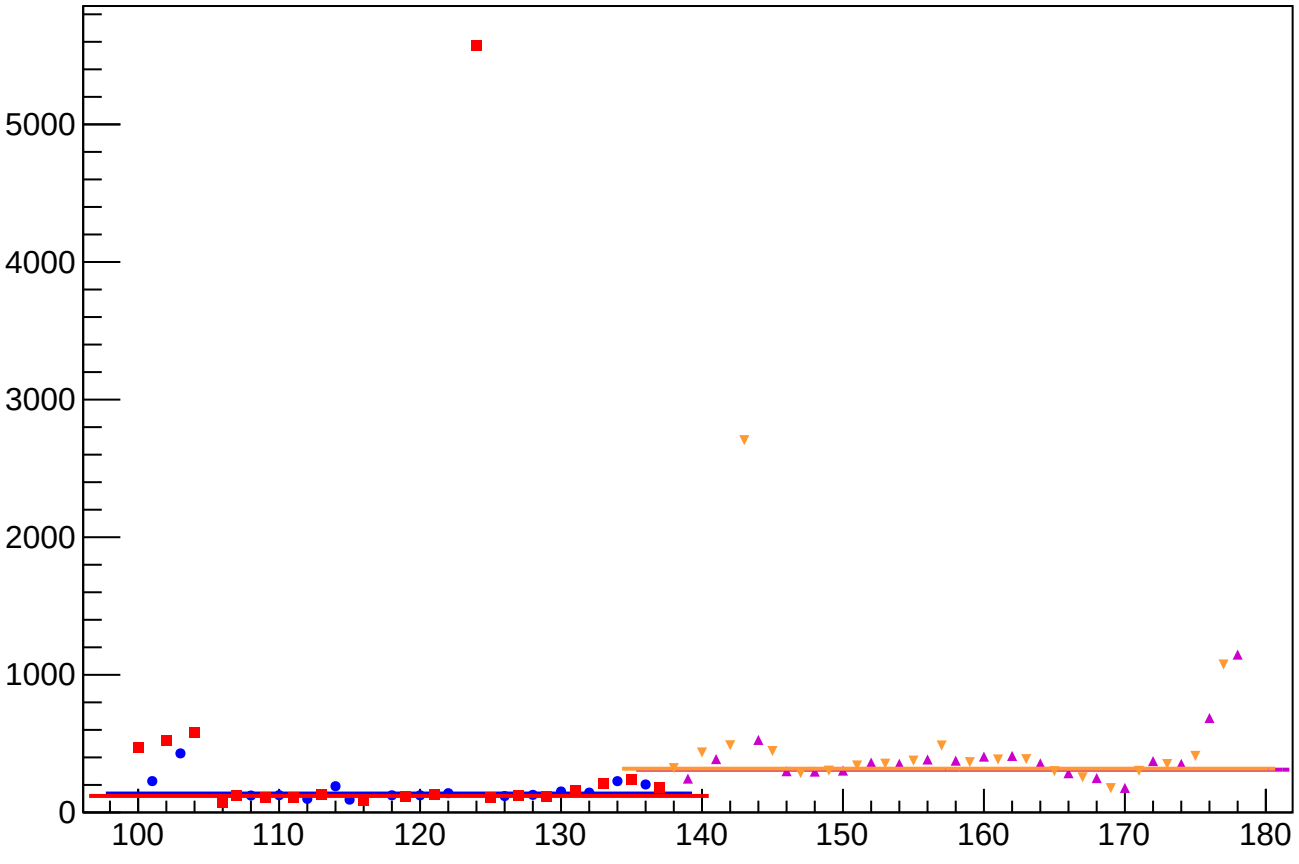
Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.068+/-0.082 χ^2/NDF:25.4/19

+ sign -0.045+/-0.047 χ^2/NDF: 46.0/36

All: -0.010+/-0.032 χ^2/NDF: 101.6/75

- sign 0.021+/-0.043 χ^2/NDF: 54.6/38



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 318.044+/-0.060 χ^2/NDF:3999796.0/20

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

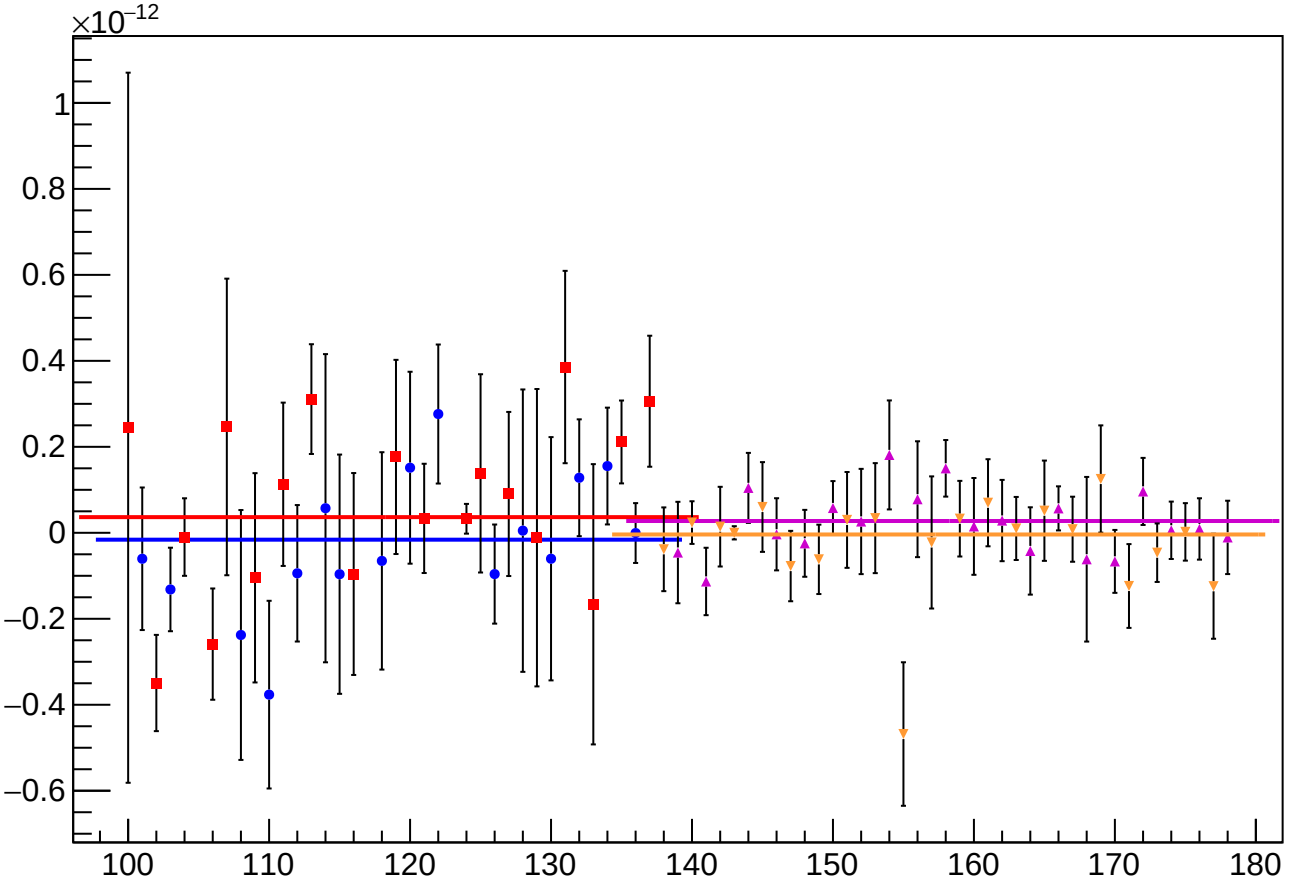
Left In: 310.905+/-0.058 χ^2/NDF:3106520.7/19

+ sign 191.750+/-0.033 χ^2/NDF: 11569693.3/36

All: 181.566+/-0.022 χ^2/NDF: 24764462.9/75

- sign 172.794+/-0.031 χ^2/NDF: 13017524.0/38

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:15.1/20

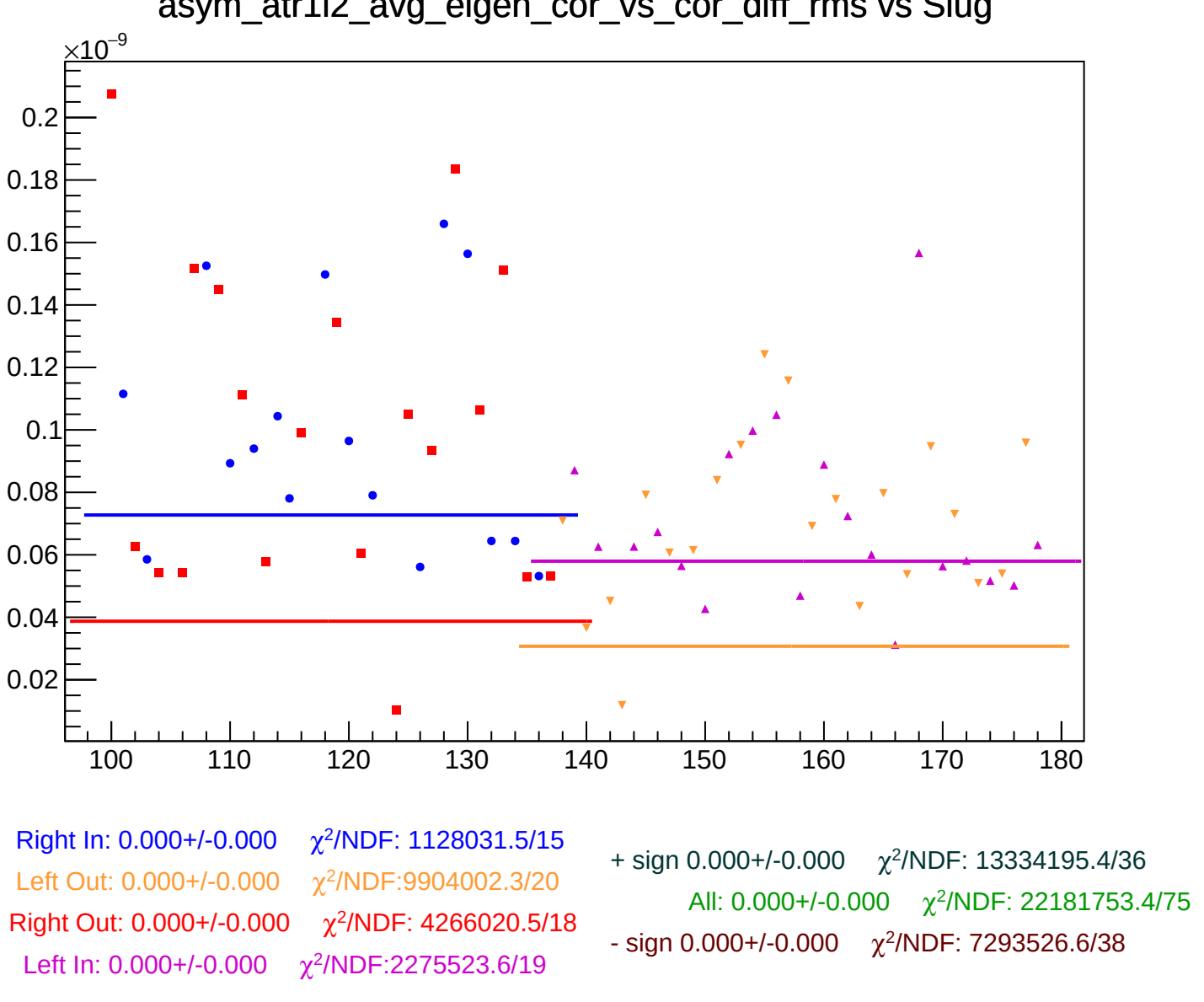
Right Out: 0.000+/-0.000 χ^2/NDF: 33.2/18

Left In: 0.000+/-0.000 χ^2/NDF:14.2/19

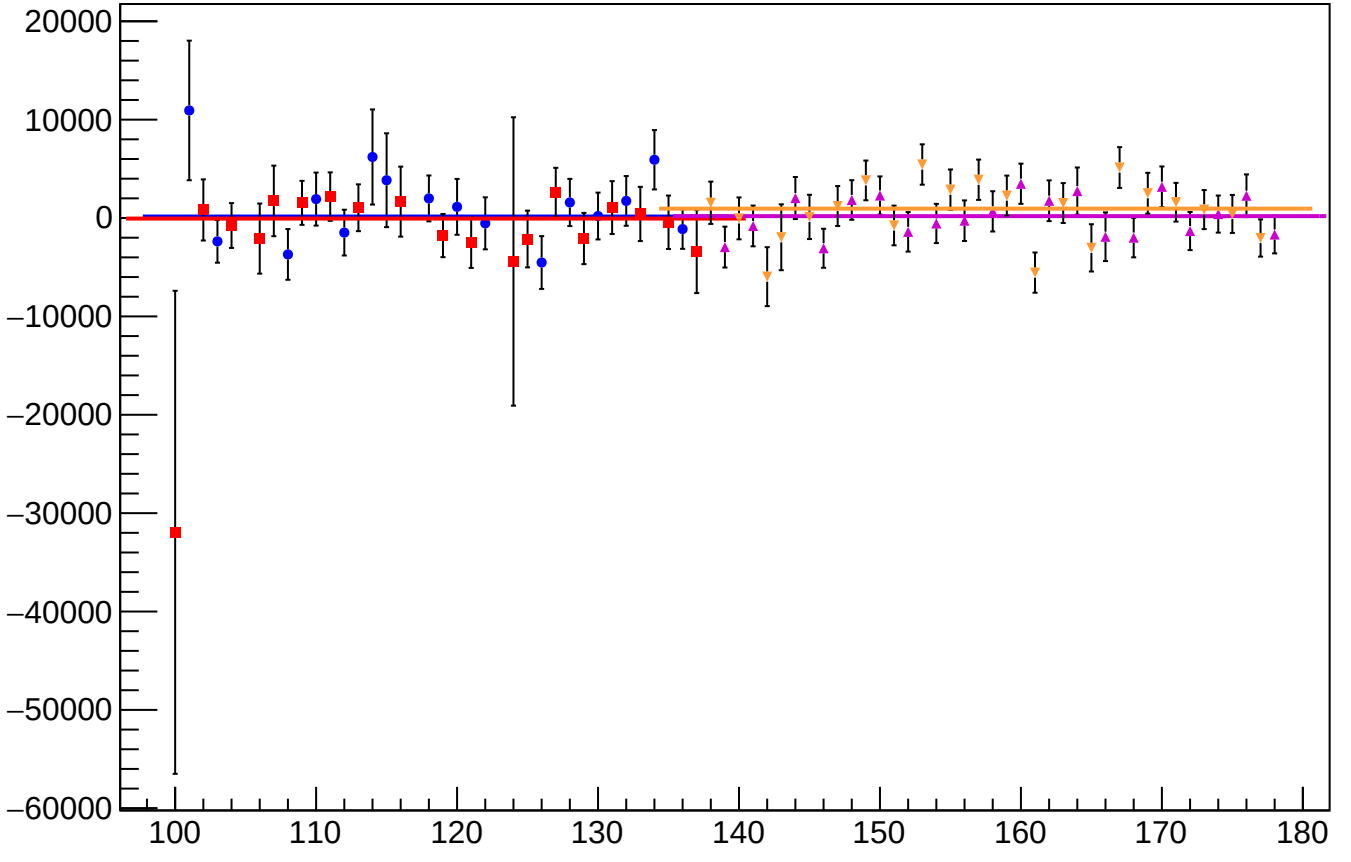
+ sign -0.000+/-0.000 χ^2/NDF: 27.5/36

All: 0.000+/-0.000 χ^2/NDF: 78.5/75

- sign 0.000+/-0.000 χ^2/NDF: 47.5/38


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
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1128031.5/15
Left Out: 0.000+/-0.000 χ²/NDF:9904002.3/20
Right Out: 0.000+/-0.000 χ²/NDF: 4266020.5/18
Left In: 0.000+/-0.000 χ²/NDF:2275523.6/19
+ sign 0.000+/-0.000 χ²/NDF: 13334195.4/36
All: 0.000+/-0.000 χ²/NDF: 22181753.4/75
- sign 0.000+/-0.000 χ²/NDF: 7293526.6/38

reg_asym_atr1l2_dd_mean vs Slug



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: 954.786+/-461.031 χ^2/NDF:37.7/20

Right Out: -54.106+/-655.266 χ^2/NDF: 9.0/18

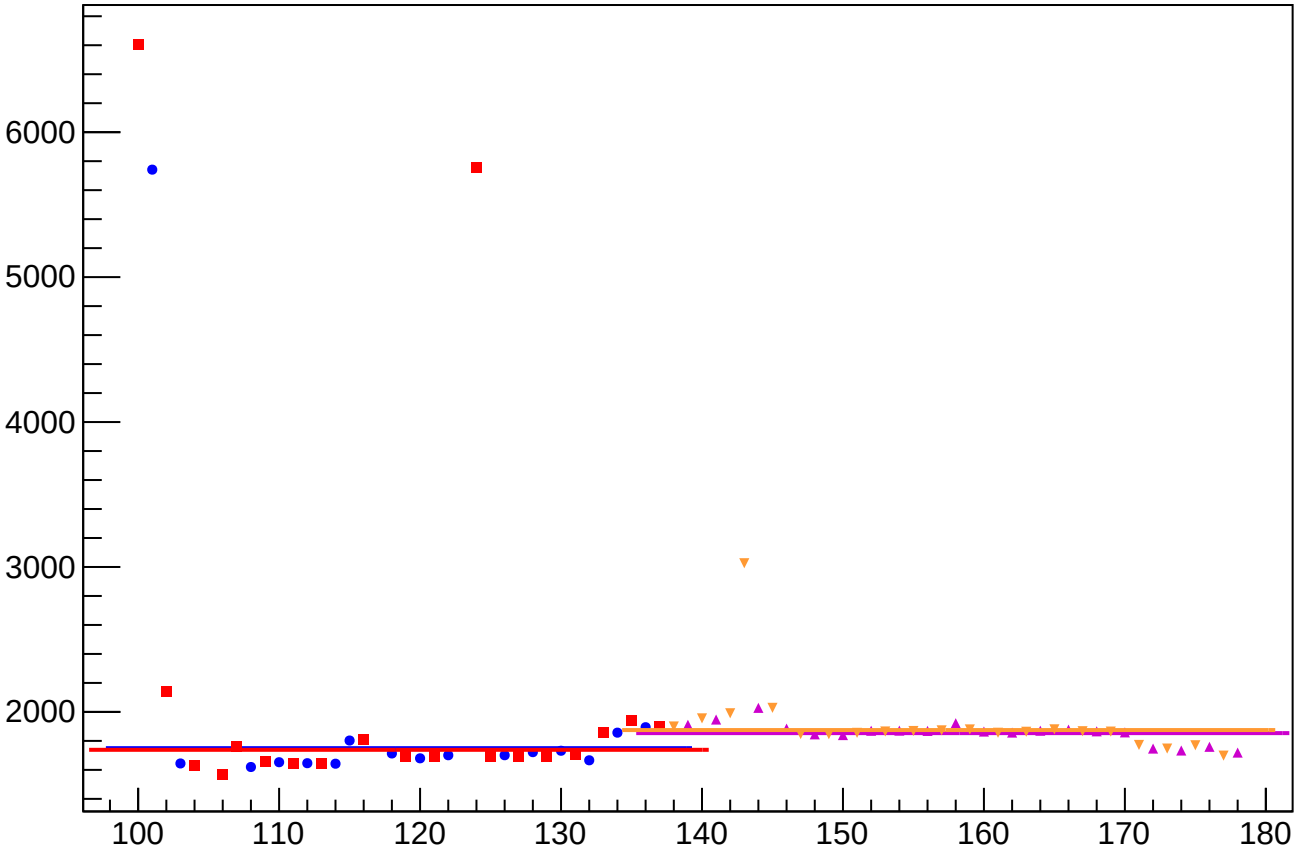
Left In: 190.835+/-458.872 χ^2/NDF:19.5/19

+ sign 694.847+/-379.258 χ^2/NDF: 56.3/36

All: 399.923+/-266.971 χ^2/NDF: 86.0/75

- sign 110.240+/-375.872 χ^2/NDF: 28.5/38

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 1874.728+/-0.326 χ^2/NDF:290017.3/20

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

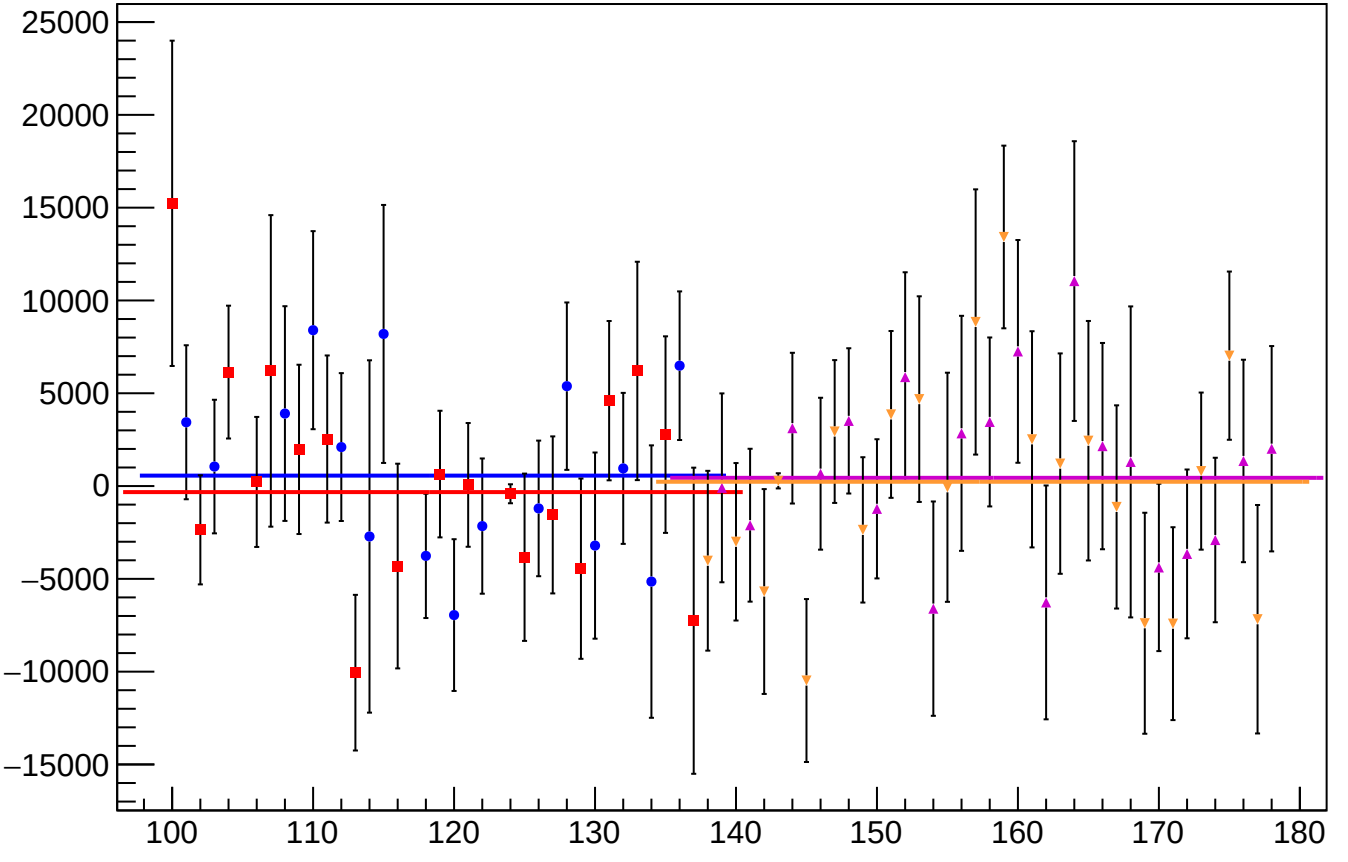
Left In: 1853.656+/-0.324 χ^2/NDF:50405.0/19

+ sign 1834.362+/-0.268 χ^2/NDF: 1007019.7/36

All: 1824.767+/-0.189 χ^2/NDF: 1406309.3/75

- sign 1815.388+/-0.265 χ^2/NDF: 396758.2/38

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 231.683+/-384.290 χ^2/NDF:27.2/20

Right Out: -325.567+/-457.948 χ^2/NDF: 19.2/18

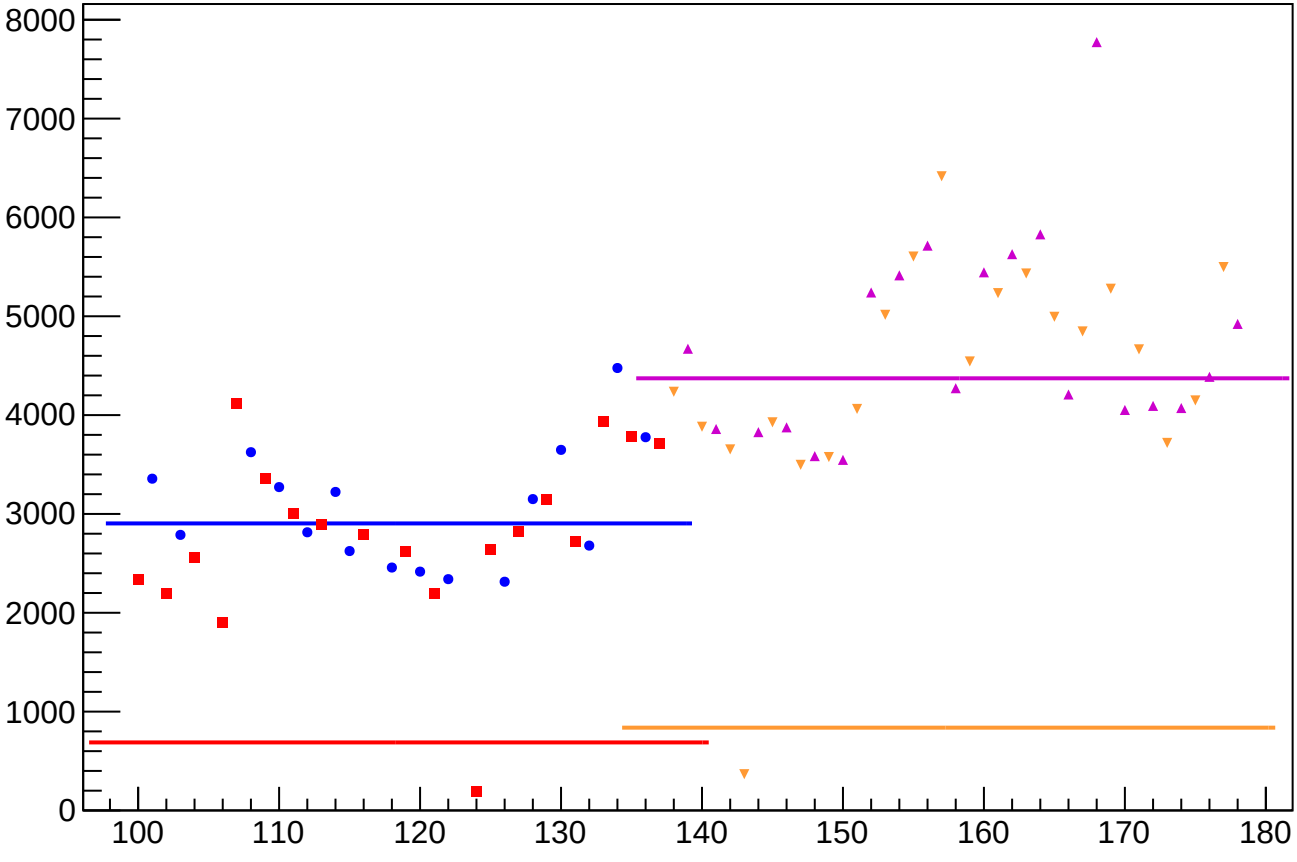
Left In: 442.885+/-1103.724 χ^2/NDF:11.8/19

+ sign 267.582+/-362.830 χ^2/NDF: 42.1/36

All: 63.990+/-275.393 χ^2/NDF: 74.3/75

- sign -212.706+/-422.984 χ^2/NDF: 31.4/38

asym_atr1l2_dd_reg_correction_rms vs Slug



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 837.680+/-0.272 χ^2/NDF:23399919.0/20

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

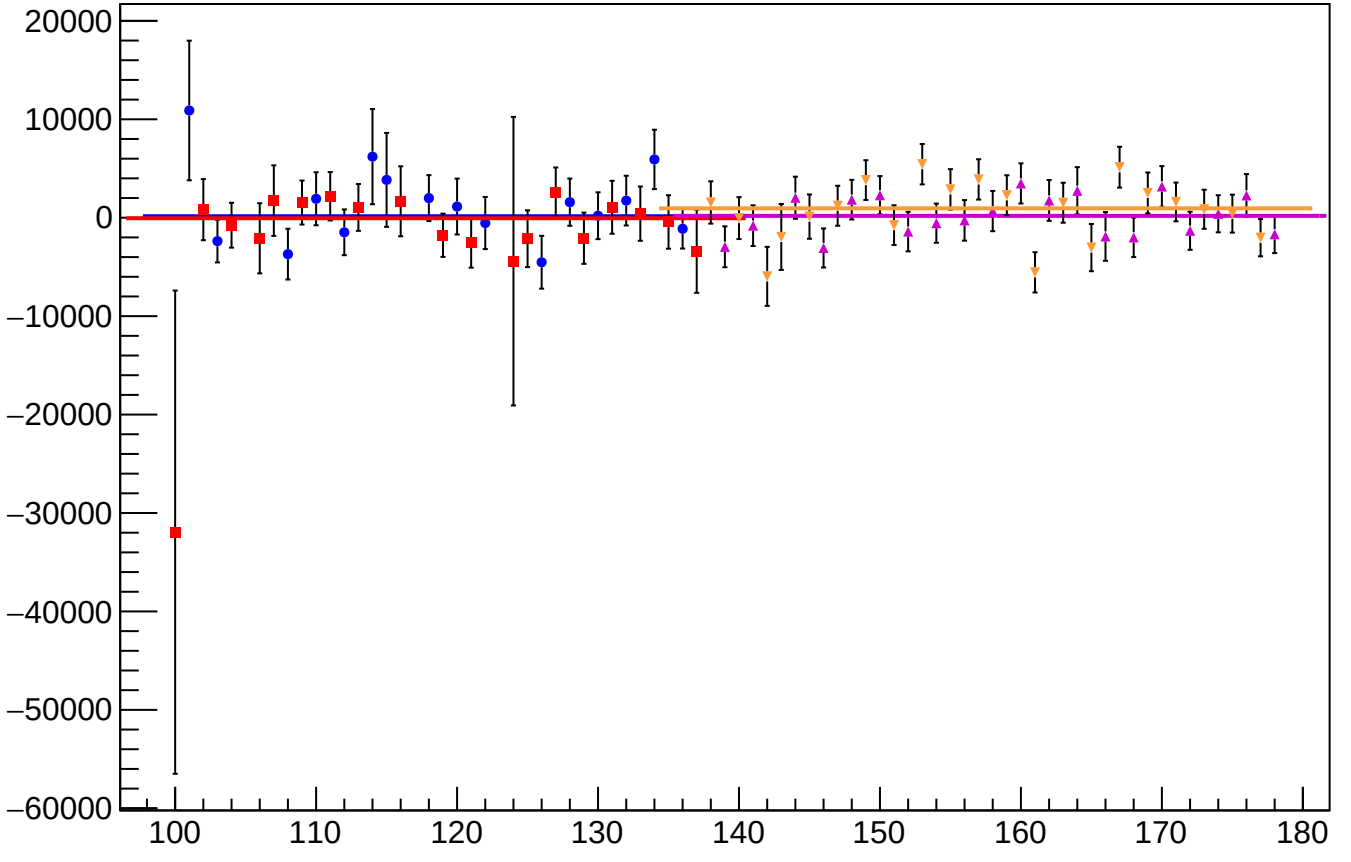
Left In: 4372.248+/-0.780 χ^2/NDF:1080465.3/19

+ sign 1062.023+/-0.257 χ^2/NDF: 30157897.1/36

All: 1132.961+/-0.195 χ^2/NDF: 60576136.2/7

- sign 1229.371+/-0.299 χ^2/NDF: 30237884.9/38

cor_asym_atr1l2_dd_mean vs Slug



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 954.802+/-461.031 χ^2/NDF:37.7/20

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

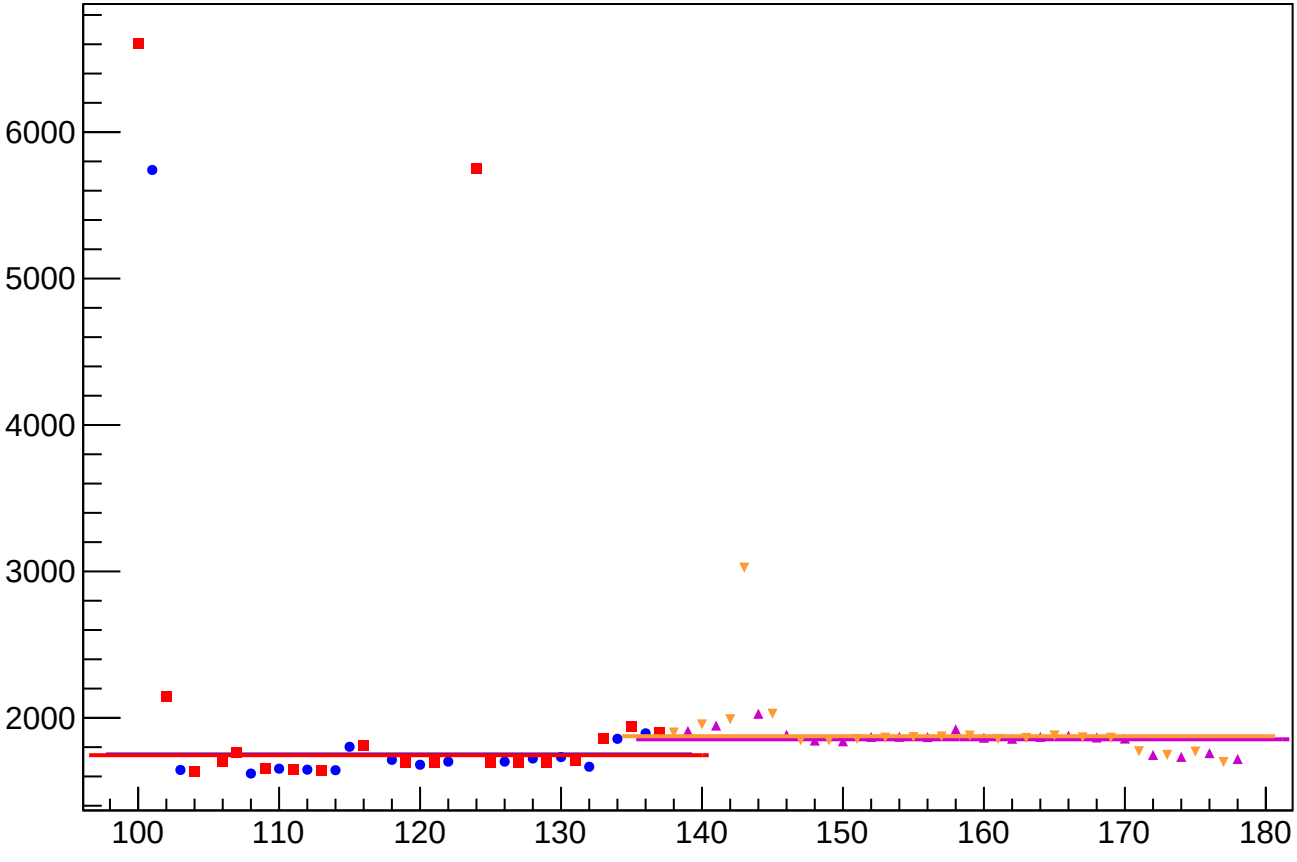
Left In: 190.780+/-458.872 χ^2/NDF:19.5/19

+ sign 694.707+/-379.258 χ^2/NDF: 56.3/36

All: 399.826+/-266.971 χ^2/NDF: 86.0/75

- sign 110.186+/-375.872 χ^2/NDF: 28.5/38

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1874.728+/-0.326 χ^2/NDF:290017.3/20

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

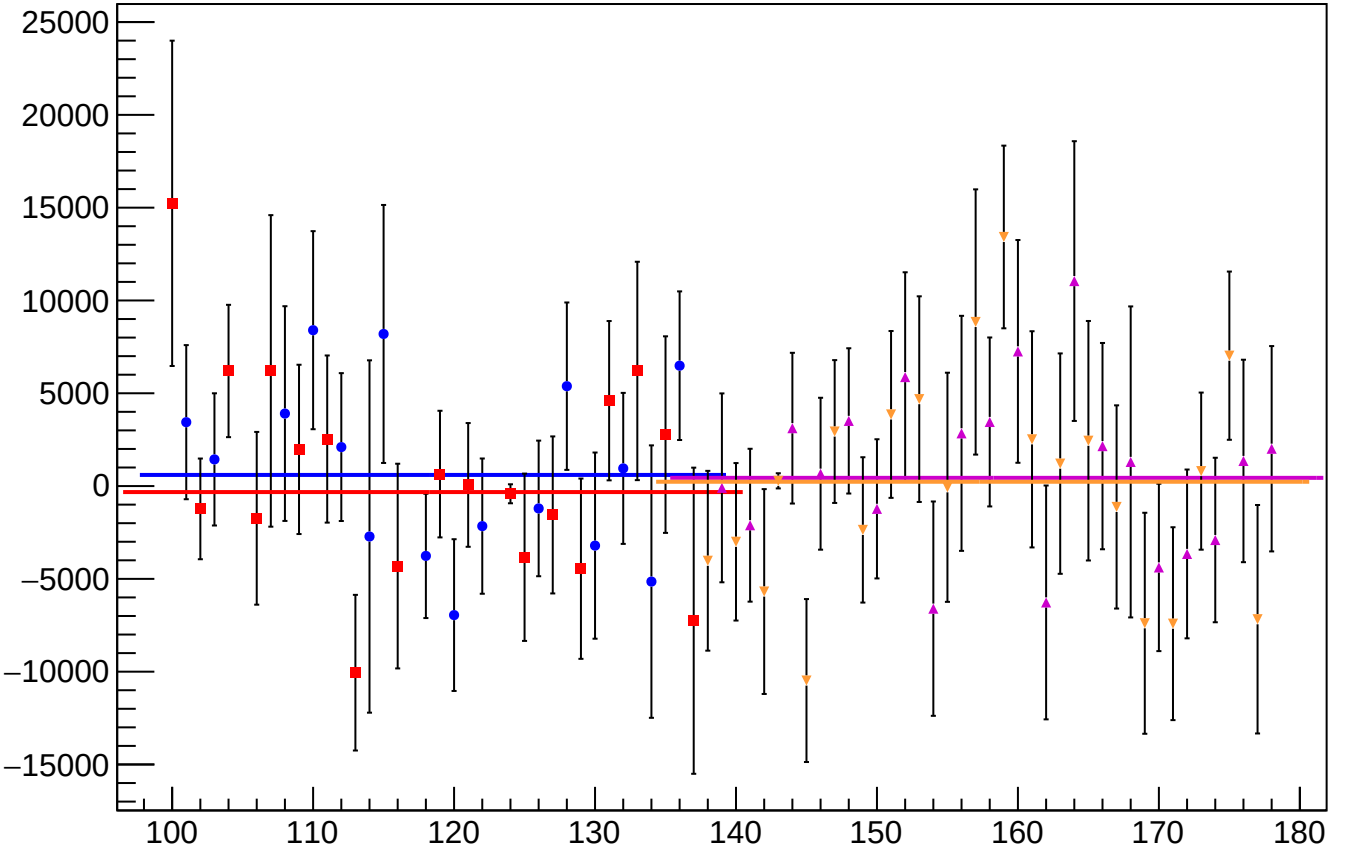
Left In: 1853.656+/-0.324 χ^2/NDF:50405.0/19

+ sign 1834.362+/-0.268 χ^2/NDF: 1007020.1/36

All: 1825.990+/-0.189 χ^2/NDF: 1394288.8/75

- sign 1817.787+/-0.265 χ^2/NDF: 385339.2/38

asym_atr1l2_dd_cor_correction_mean vs Slug



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 232.601+/-384.320 χ^2/NDF:27.2/20

Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

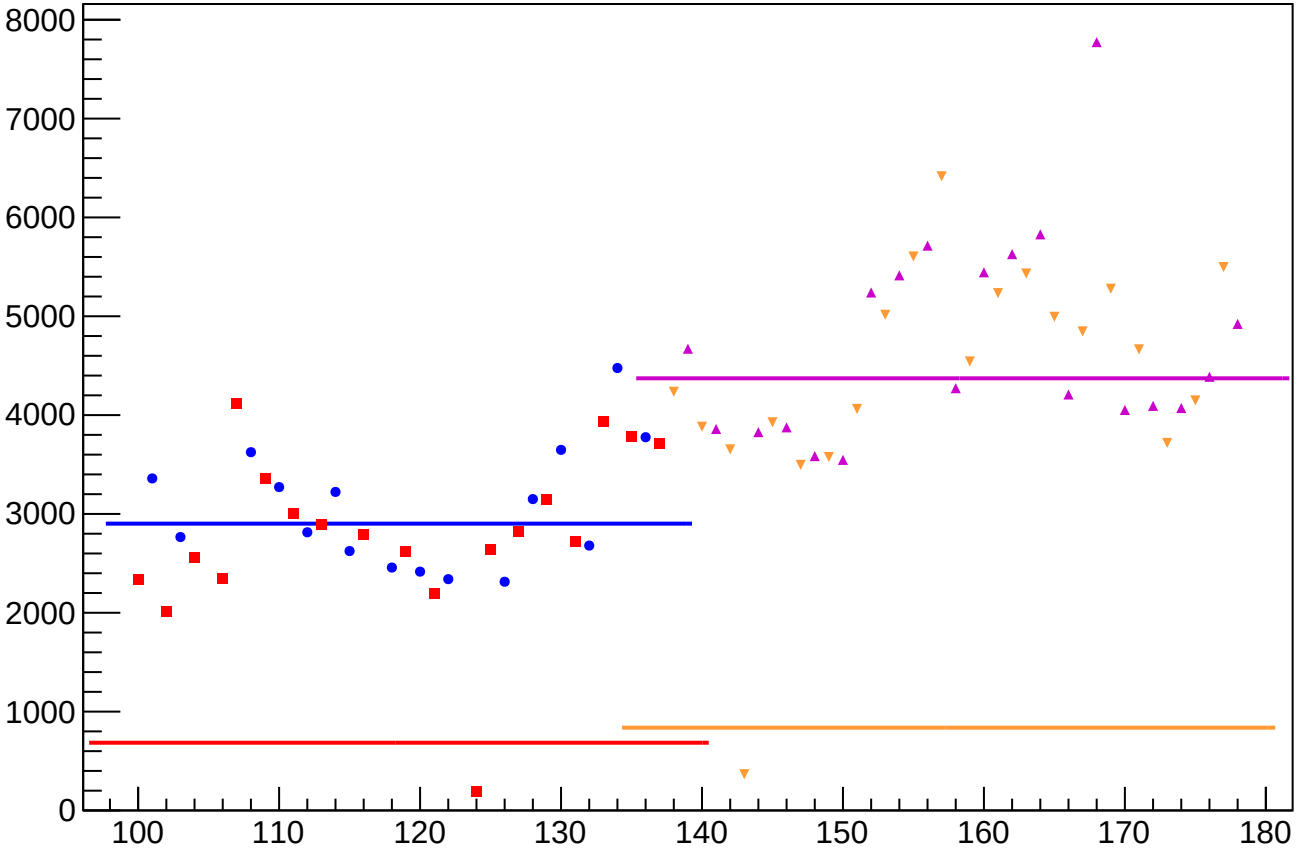
Left In: 442.942+/-1103.721 χ^2/NDF:11.8/19

+ sign 272.583+/-362.818 χ^2/NDF: 42.2/36

All: 68.316+/-275.587 χ^2/NDF: 74.1/75

- sign -210.263+/-423.704 χ^2/NDF: 31.2/38

asym_atr1l2_dd_cor_correction_rms vs Slug



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 837.789+/-0.272 χ^2/NDF:23398992.6/20

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

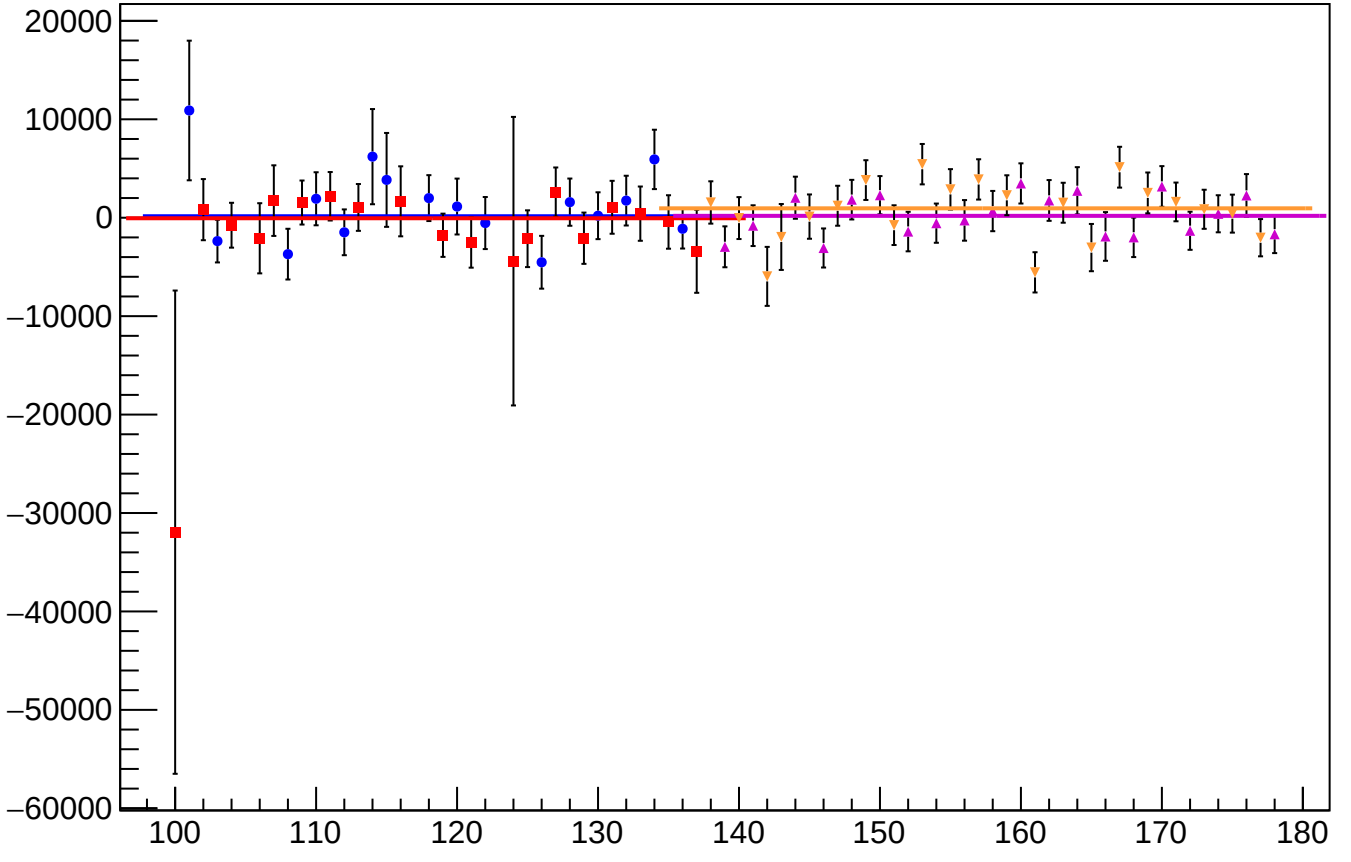
Left In: 4372.238+/-0.780 χ^2/NDF:1080480.4/19

+ sign 1062.290+/-0.257 χ^2/NDF: 30154540.8/36

All: 1132.649+/-0.195 χ^2/NDF: 60547517.8/7

- sign 1228.605+/-0.300 χ^2/NDF: 30215188.9/38

eigen_cor_asym_atr1l2_dd_mean vs Slug



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 954.802+/-461.031 χ^2/NDF:37.7/20

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

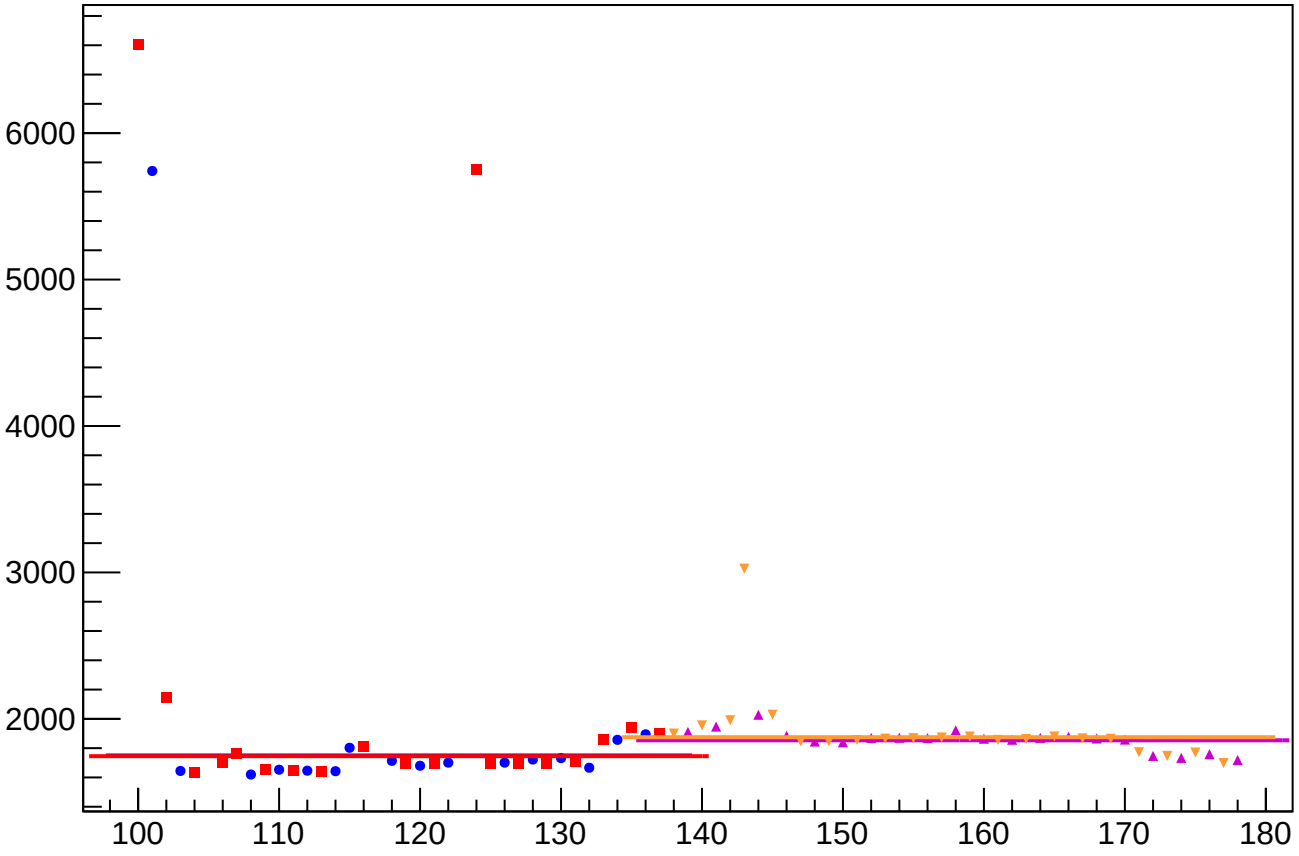
Left In: 190.780+/-458.872 χ^2/NDF:19.5/19

+ sign 694.707+/-379.258 χ^2/NDF: 56.3/36

All: 399.826+/-266.971 χ^2/NDF: 86.0/75

- sign 110.186+/-375.872 χ^2/NDF: 28.5/38

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1874.728+/-0.326 χ^2/NDF:290017.3/20

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

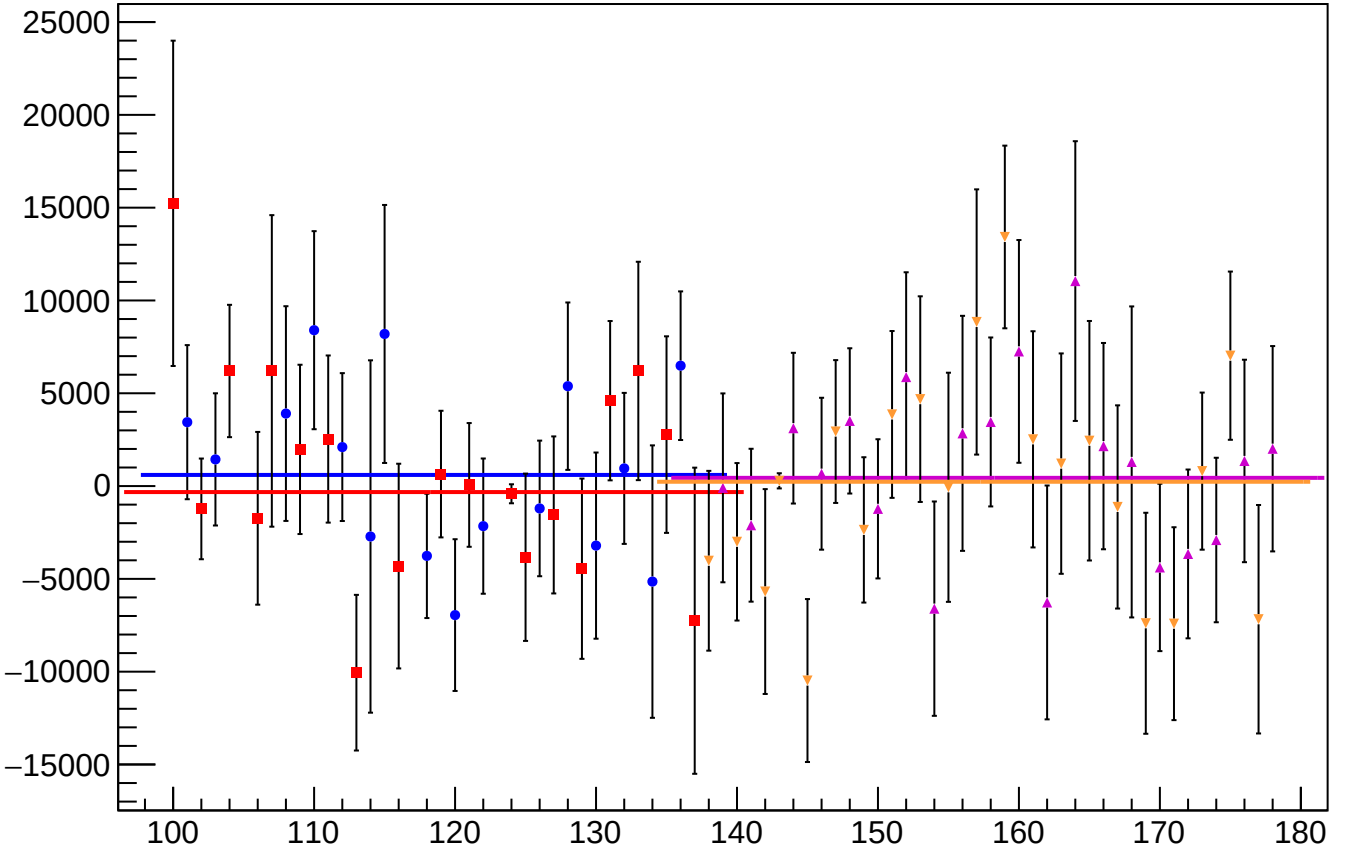
Left In: 1853.656+/-0.324 χ^2/NDF:50405.0/19

+ sign 1834.362+/-0.268 χ^2/NDF: 1007020.1/36

All: 1825.990+/-0.189 χ^2/NDF: 1394288.8/75

- sign 1817.787+/-0.265 χ^2/NDF: 385339.2/38

asym_atr1l2_dd_eigen_cor_correction_mean vs Slug



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 232.601+/-384.320 χ^2/NDF:27.2/20

Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

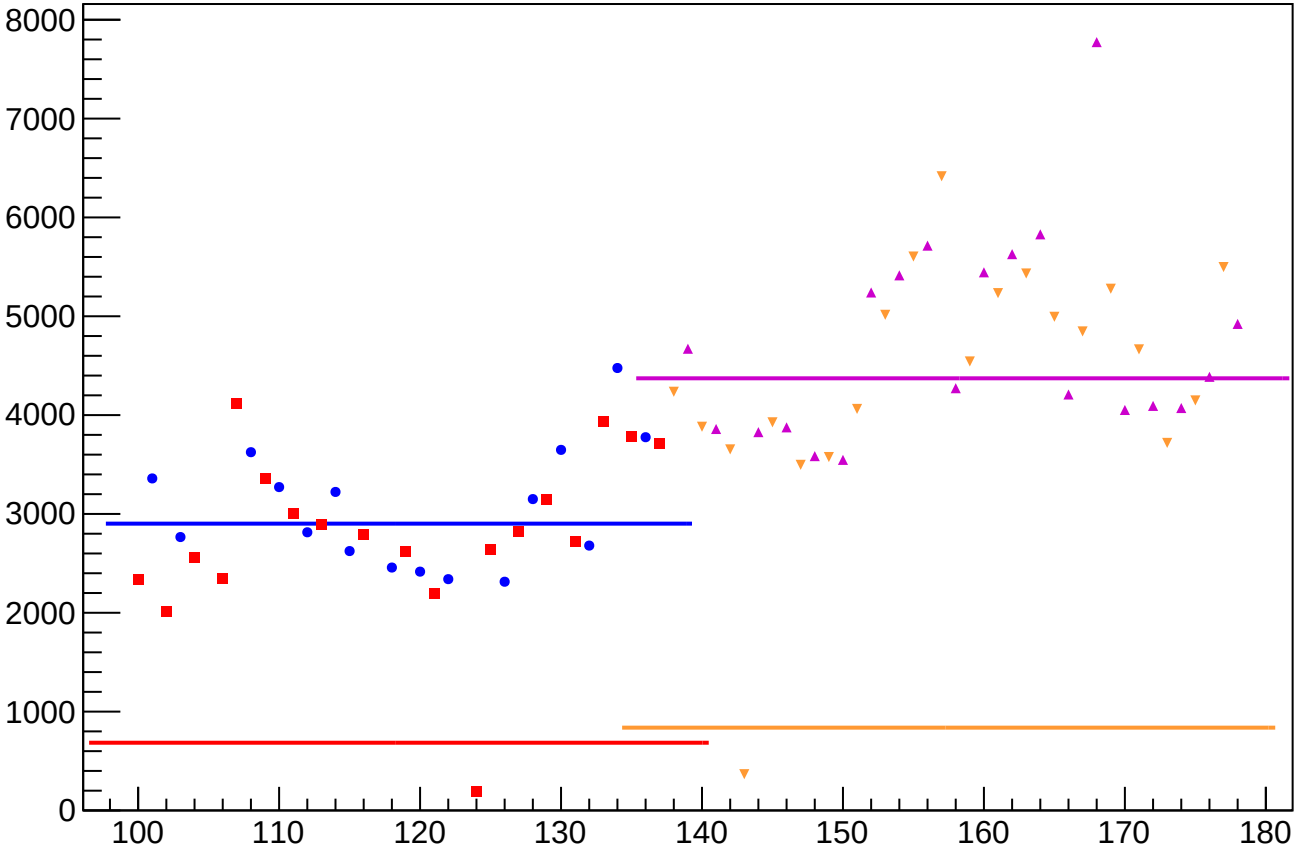
Left In: 442.942+/-1103.721 χ^2/NDF:11.8/19

+ sign 272.583+/-362.818 χ^2/NDF: 42.2/36

All: 68.316+/-275.587 χ^2/NDF: 74.1/75

- sign -210.263+/-423.704 χ^2/NDF: 31.2/38

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 837.789+/-0.272 χ^2/NDF:23398992.6/20

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

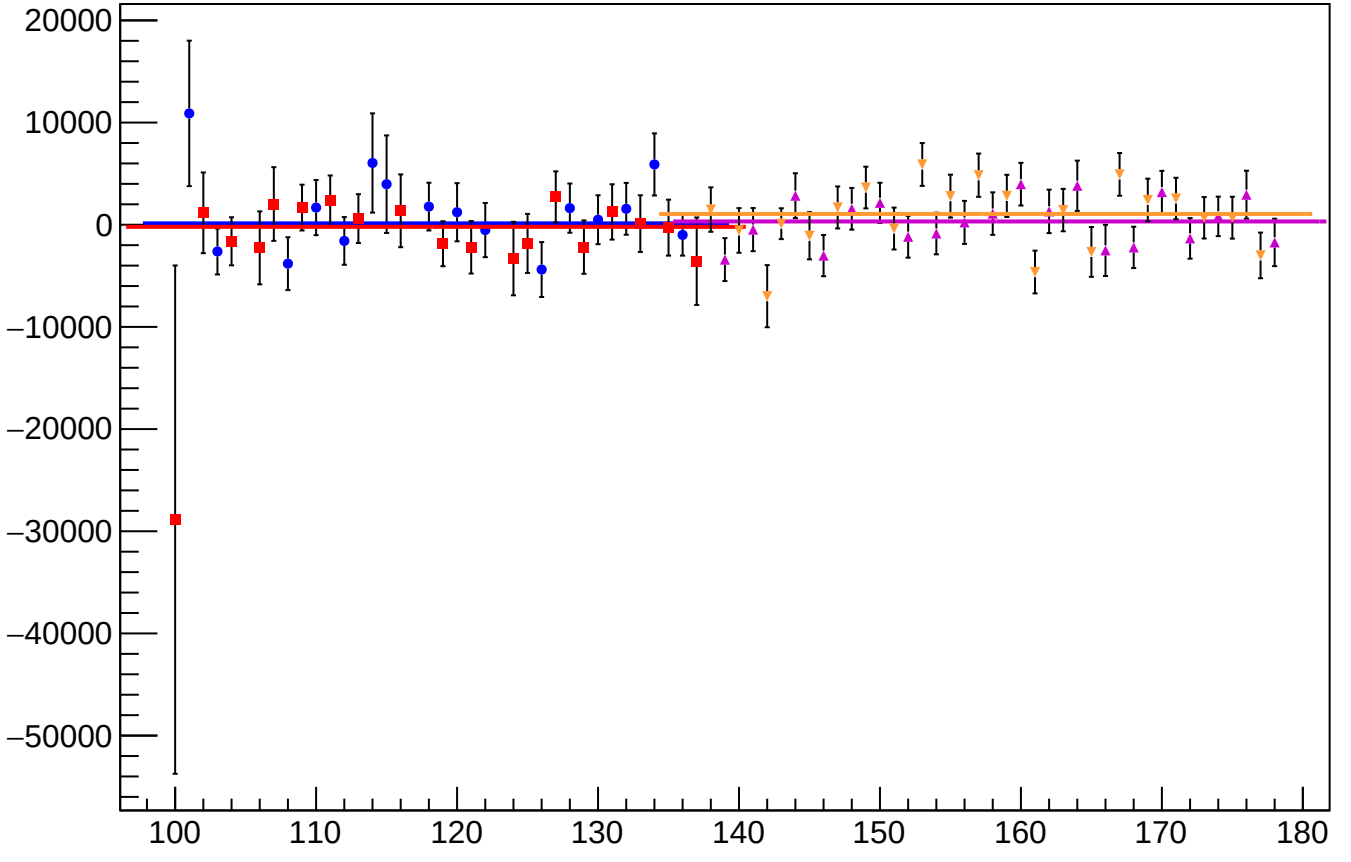
Left In: 4372.238+/-0.780 χ^2/NDF:1080480.4/19

+ sign 1062.290+/-0.257 χ^2/NDF: 30154540.8/36

All: 1132.649+/-0.195 χ^2/NDF: 60547517.8/7

- sign 1228.605+/-0.300 χ^2/NDF: 30215188.9/38

dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1055.584+/-456.682 χ^2/NDF:38.5/20

Right Out: -205.424+/-654.444 χ^2/NDF: 9.7/18

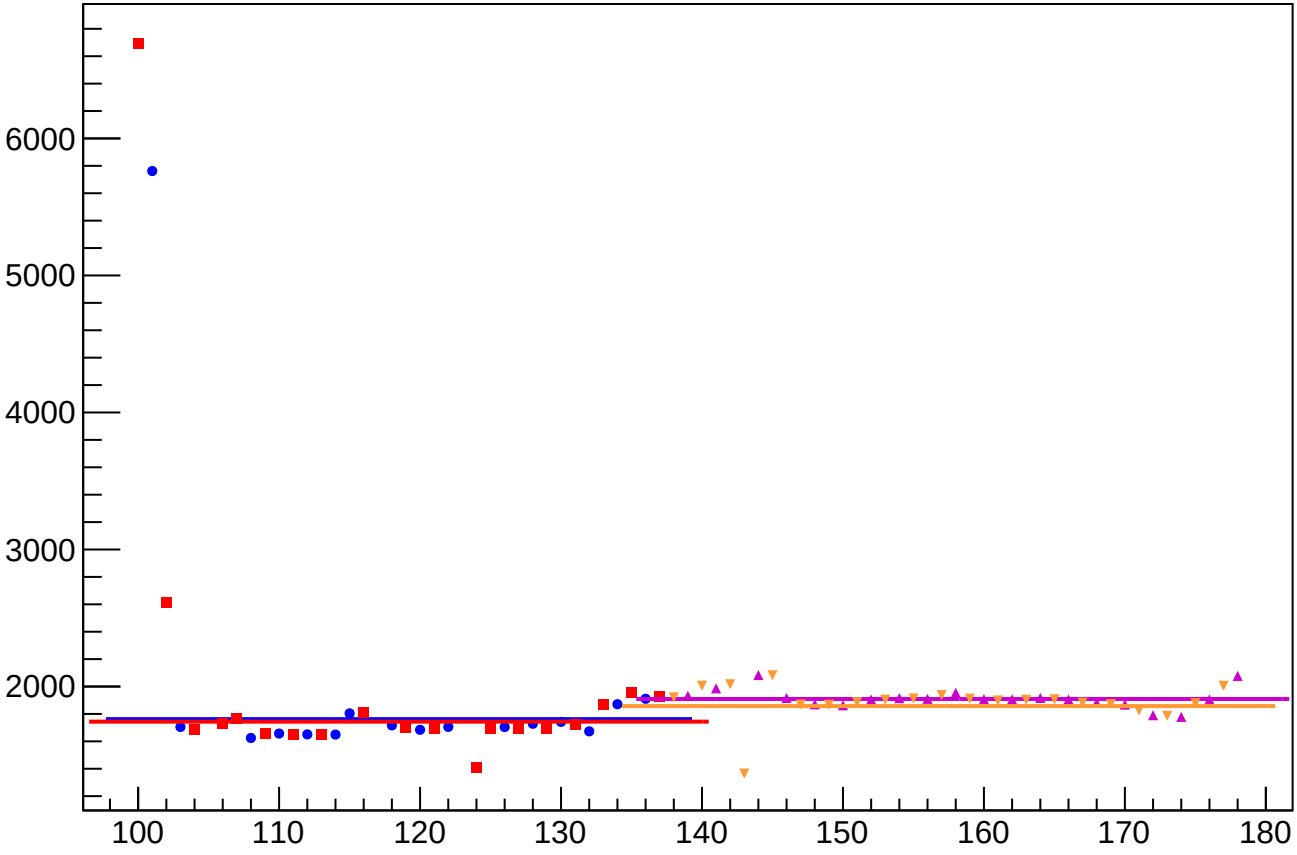
Left In: 320.950+/-472.645 χ^2/NDF:22.4/19

+ sign 764.152+/-377.648 χ^2/NDF: 57.1/36

All: 456.856+/-268.967 χ^2/NDF: 91.0/75

- sign 140.514+/-383.166 χ^2/NDF: 32.6/38

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1857.330+/-0.323 χ^2/NDF:270648.8/20

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

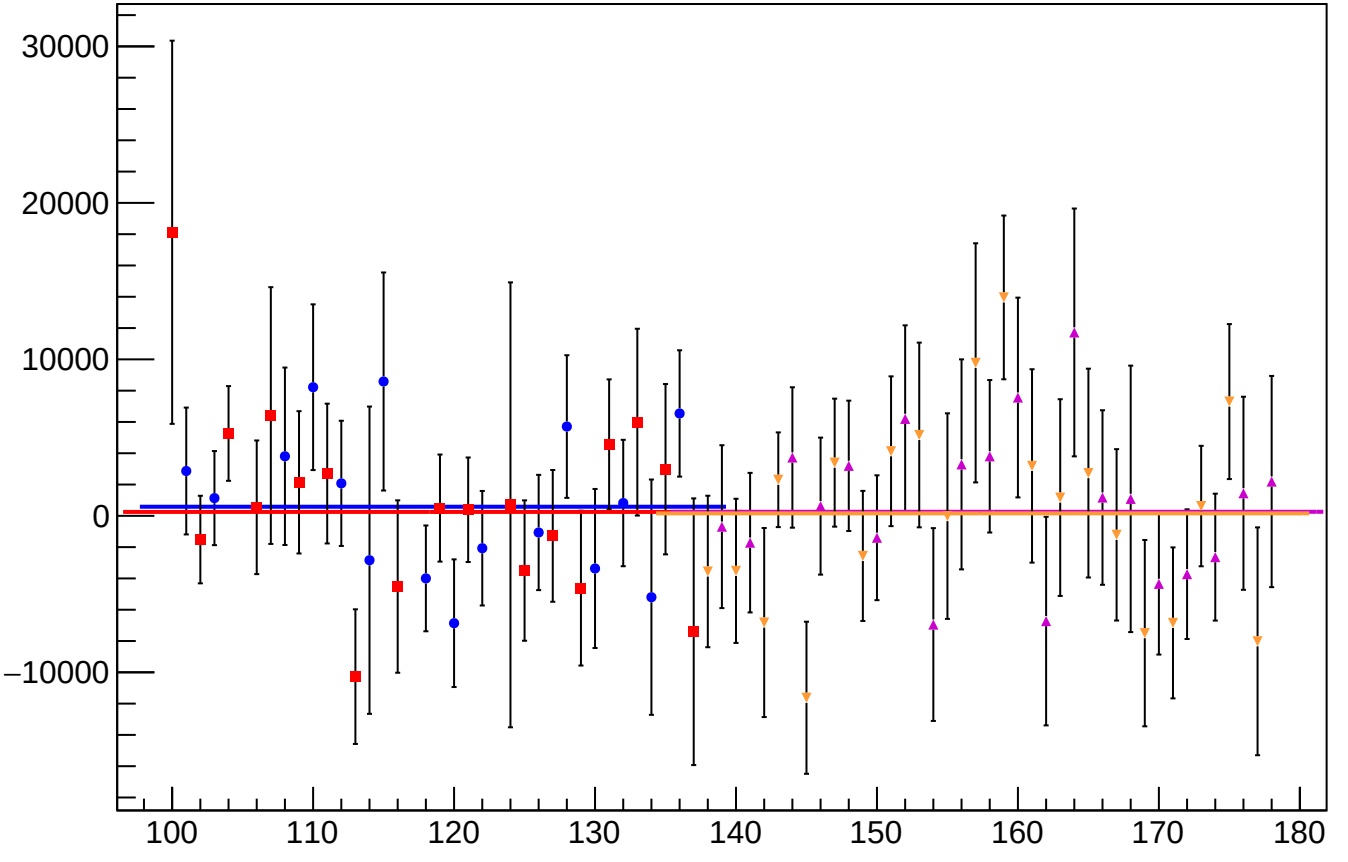
Left In: 1909.174+/-0.334 χ^2/NDF:46416.9/19

+ sign 1827.205+/-0.267 χ^2/NDF: 965869.5/36

All: 1839.555+/-0.190 χ^2/NDF: 1328712.2/75

- sign 1852.243+/-0.271 χ^2/NDF: 358506.5/38

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

Left Out: 157.741+/-1090.310 χ^2/NDF:27.5/20

Right Out: 250.224+/-1021.012 χ^2/NDF: 17.9/18

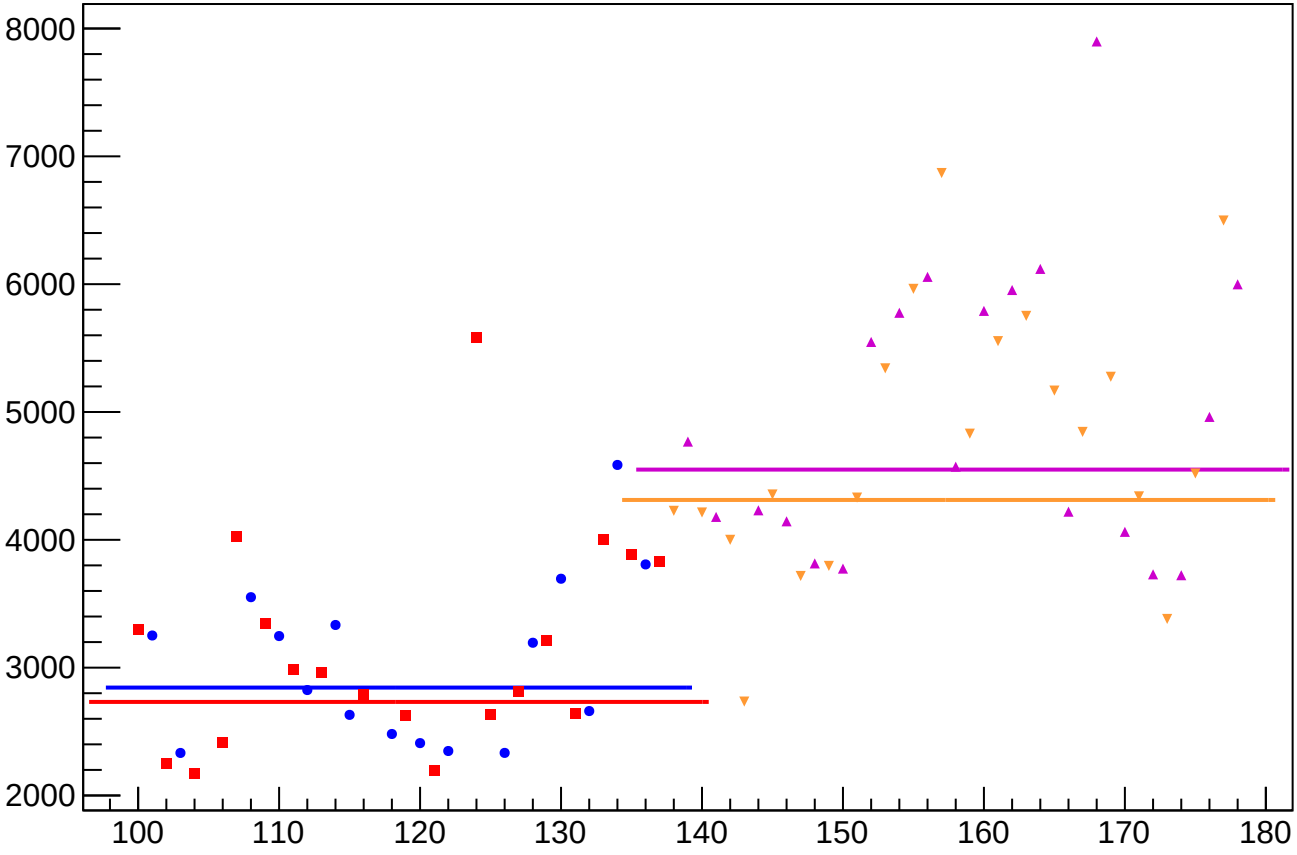
Left In: 259.644+/-1152.156 χ^2/NDF:11.7/19

\+ sign 371.708+/-767.825 χ^2/NDF: 42.5/36

All: 312.756+/-541.628 χ^2/NDF: 72.1/75

\- sign 254.368+/-764.143 χ^2/NDF: 29.6/38

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 4311.935+/-0.771 χ^2/NDF:1645098.7/20

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

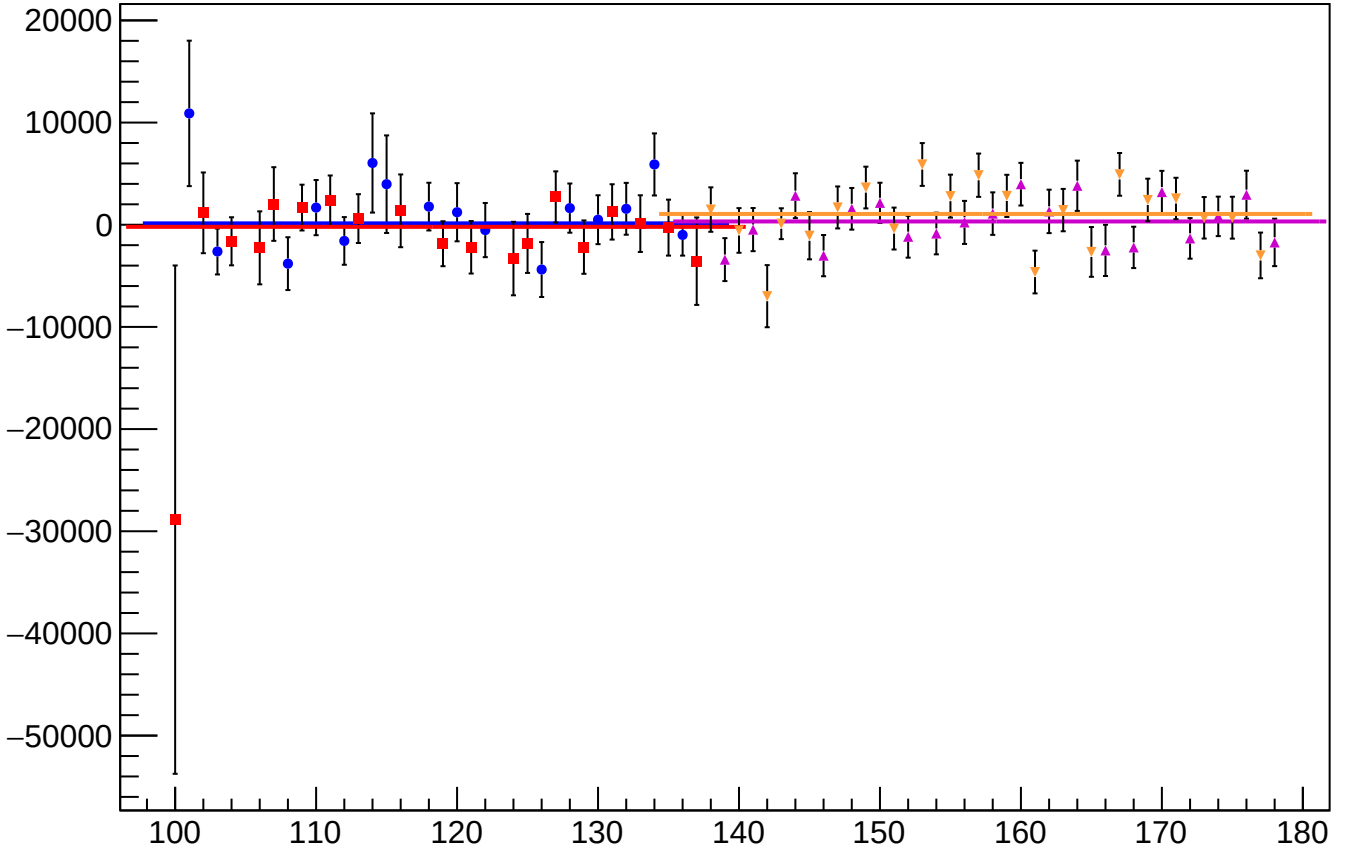
Left In: 4549.409+/-0.815 χ^2/NDF:1263265.7/19

+ sign 3572.077+/-0.543 χ^2/NDF: 4014138.8/36

All: 3551.648+/-0.383 χ^2/NDF: 8678969.7/75

- sign 3531.415+/-0.540 χ^2/NDF: 4662012.9/38

eigen_dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1055.586+/-456.683 χ^2/NDF:38.5/20

Right Out: -205.422+/-654.444 χ^2/NDF: 9.7/18

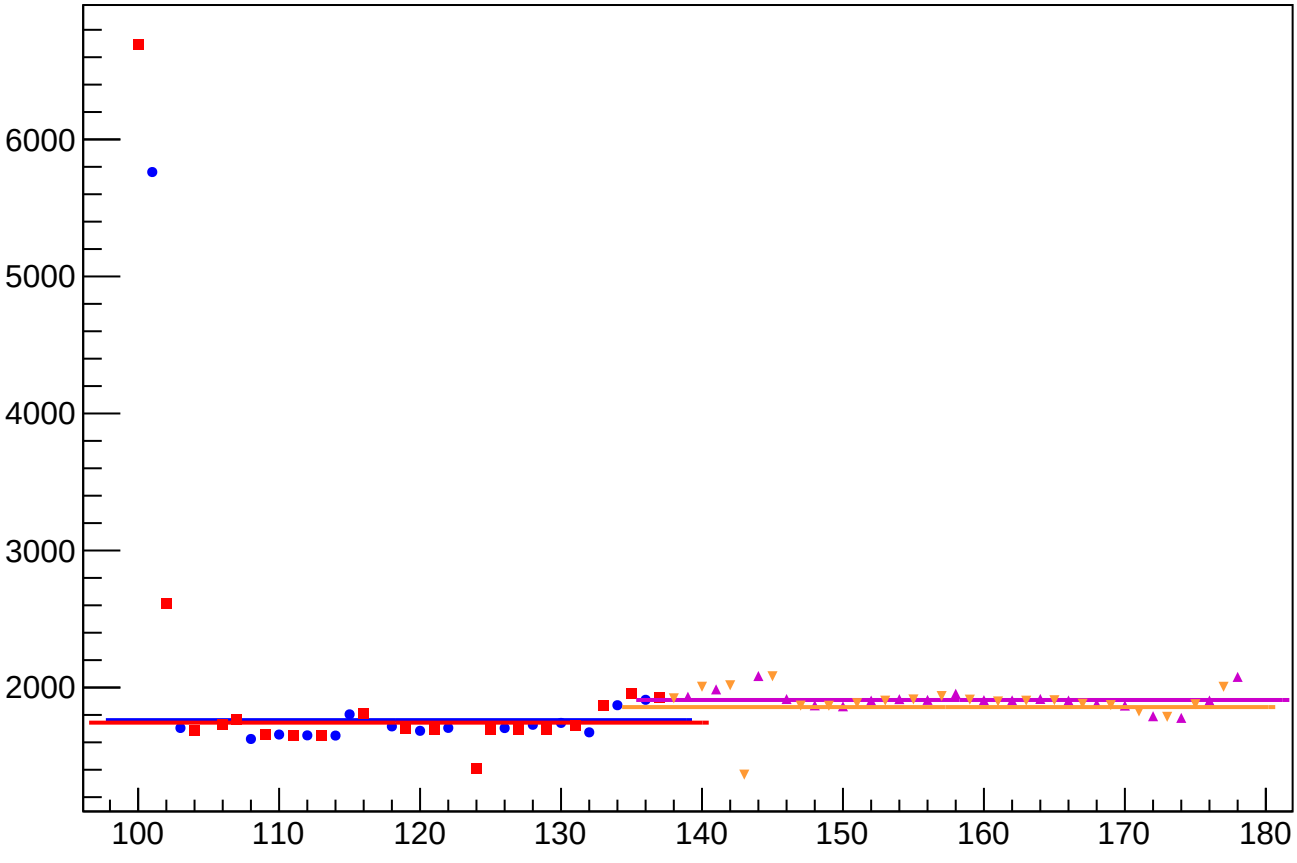
Left In: 320.952+/-472.646 χ^2/NDF:22.4/19

+ sign 764.152+/-377.648 χ^2/NDF: 57.1/36

All: 456.857+/-268.967 χ^2/NDF: 91.0/75

- sign 140.516+/-383.166 χ^2/NDF: 32.6/38

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1857.331+/-0.323 χ^2/NDF:270651.4/20

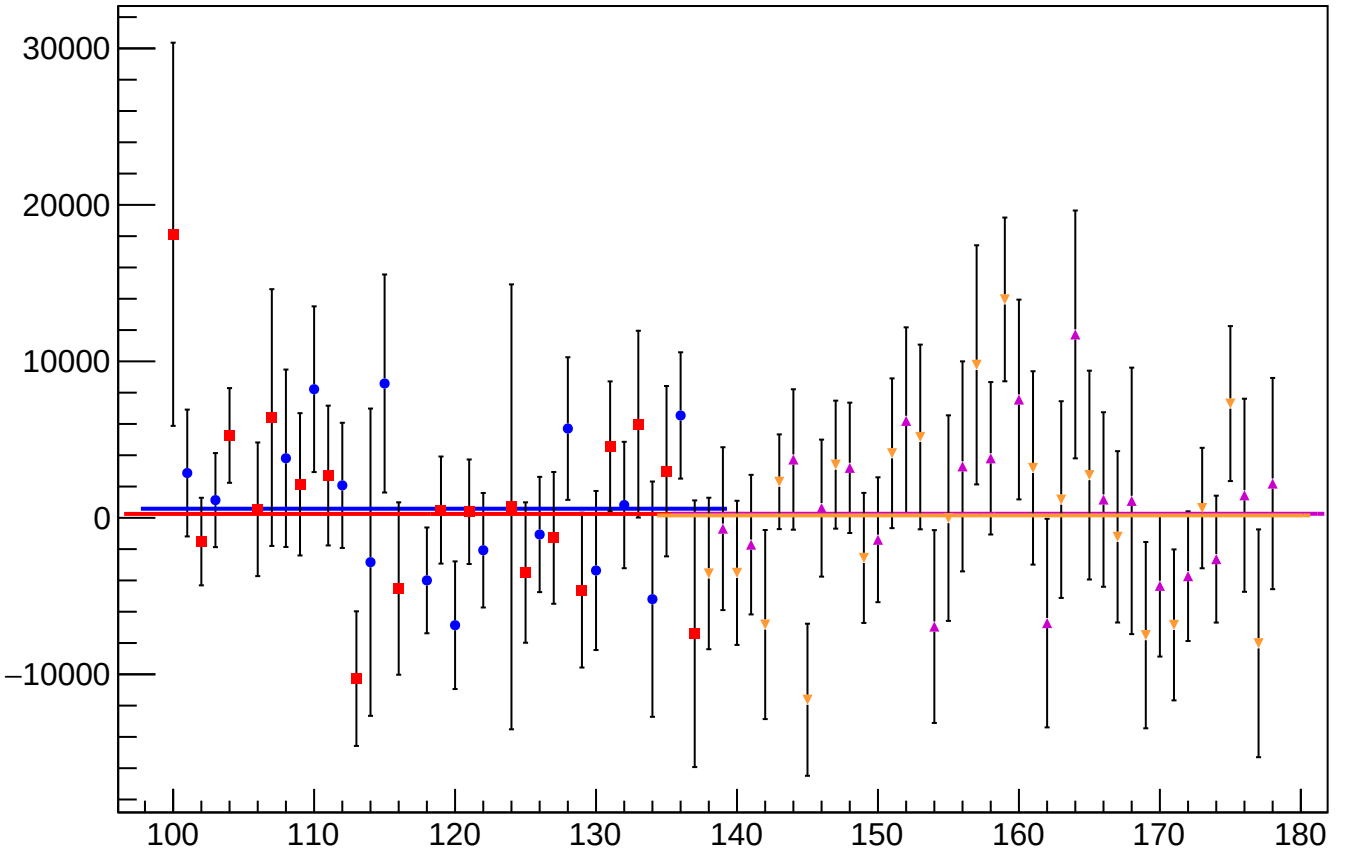
Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1909.175+/-0.334 χ^2/NDF:46419.0/19

+ sign 1827.206+/-0.267 χ^2/NDF: 965872.4/36

All: 1839.556+/-0.190 χ^2/NDF: 1328718.2/75

- sign 1852.244+/-0.271 χ^2/NDF: 358509.5/38



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: 157.744+/-1090.311 χ^2/NDF:27.5/20

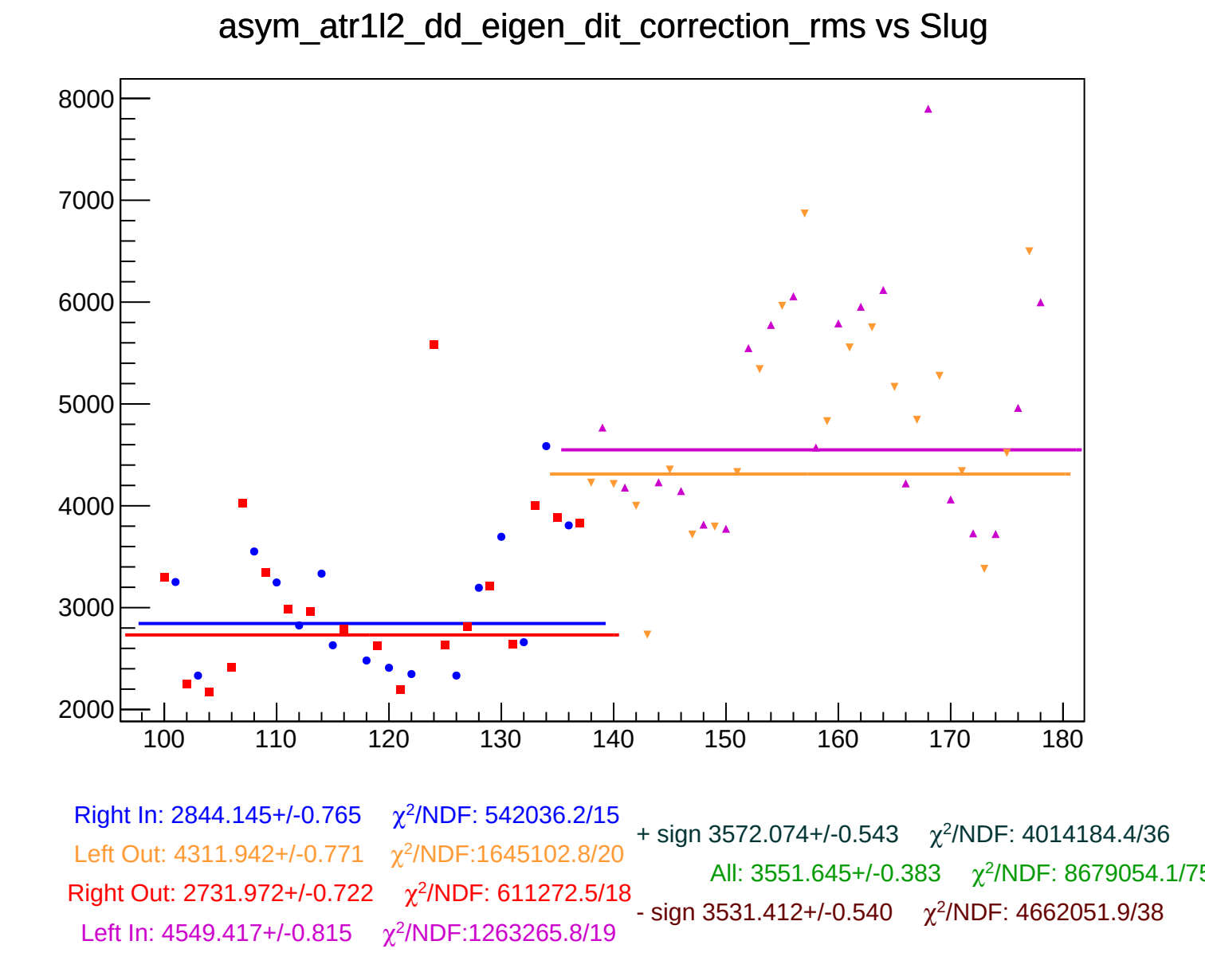
Right Out: 250.225+/-1021.010 χ^2/NDF: 17.9/18

Left In: 259.645+/-1152.158 χ^2/NDF:11.7/19

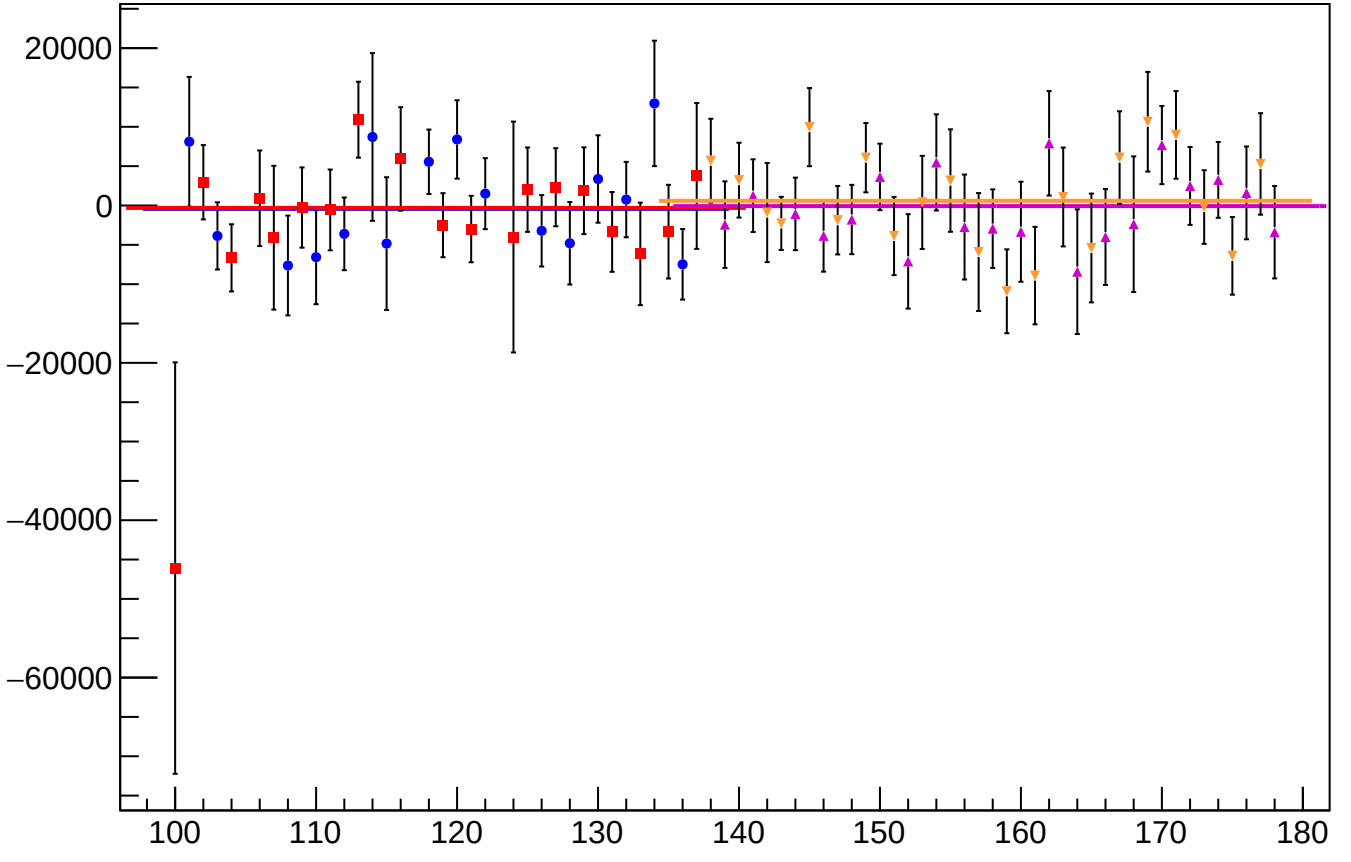
\+ sign 371.708+/-767.825 χ^2/NDF: 42.5/36

All: 312.756+/-541.627 χ^2/NDF: 72.1/75

\- sign 254.369+/-764.143 χ^2/NDF: 29.6/38


asym_atr1l2_dd_eigen_dit_correction_rms vs Slug
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
Right In: 2844.145+/-0.765 χ²/NDF: 542036.2/15
Left Out: 4311.942+/-0.771 χ²/NDF:1645102.8/20
Right Out: 2731.972+/-0.722 χ²/NDF: 611272.5/18
Left In: 4549.417+/-0.815 χ²/NDF:1263265.8/19
+ sign 3572.074+/-0.543 χ²/NDF: 4014184.4/36
All: 3551.645+/-0.383 χ²/NDF: 8679054.1/75
- sign 3531.412+/-0.540 χ²/NDF: 4662051.9/38

asym_atr1l2_dd_mean vs Slug



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: 592.360+/-1153.380 χ^2/NDF:25.1/20

Right Out: -307.823+/-1275.718 χ^2/NDF: 15.3/18

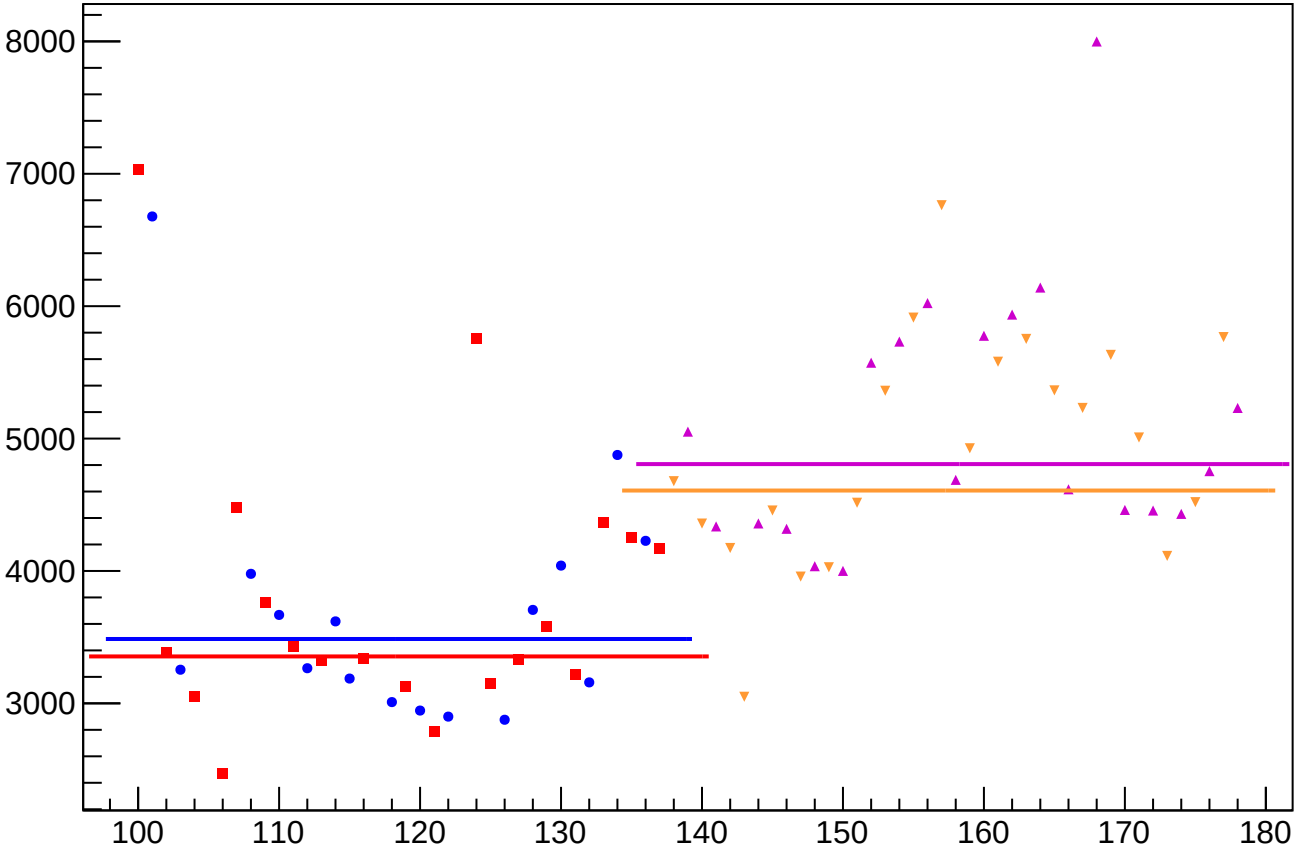
Left In: -78.231+/-1207.570 χ^2/NDF:11.5/19

+ sign 155.446+/-870.593 χ^2/NDF: 43.3/36

All: -14.391+/-617.849 χ^2/NDF: 70.2/75

- sign -186.732+/-876.984 χ^2/NDF: 26.8/38

asym_atr1l2_dd_rms vs Slug



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 4607.549+/-0.816 χ^2/NDF:1120636.1/20

Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

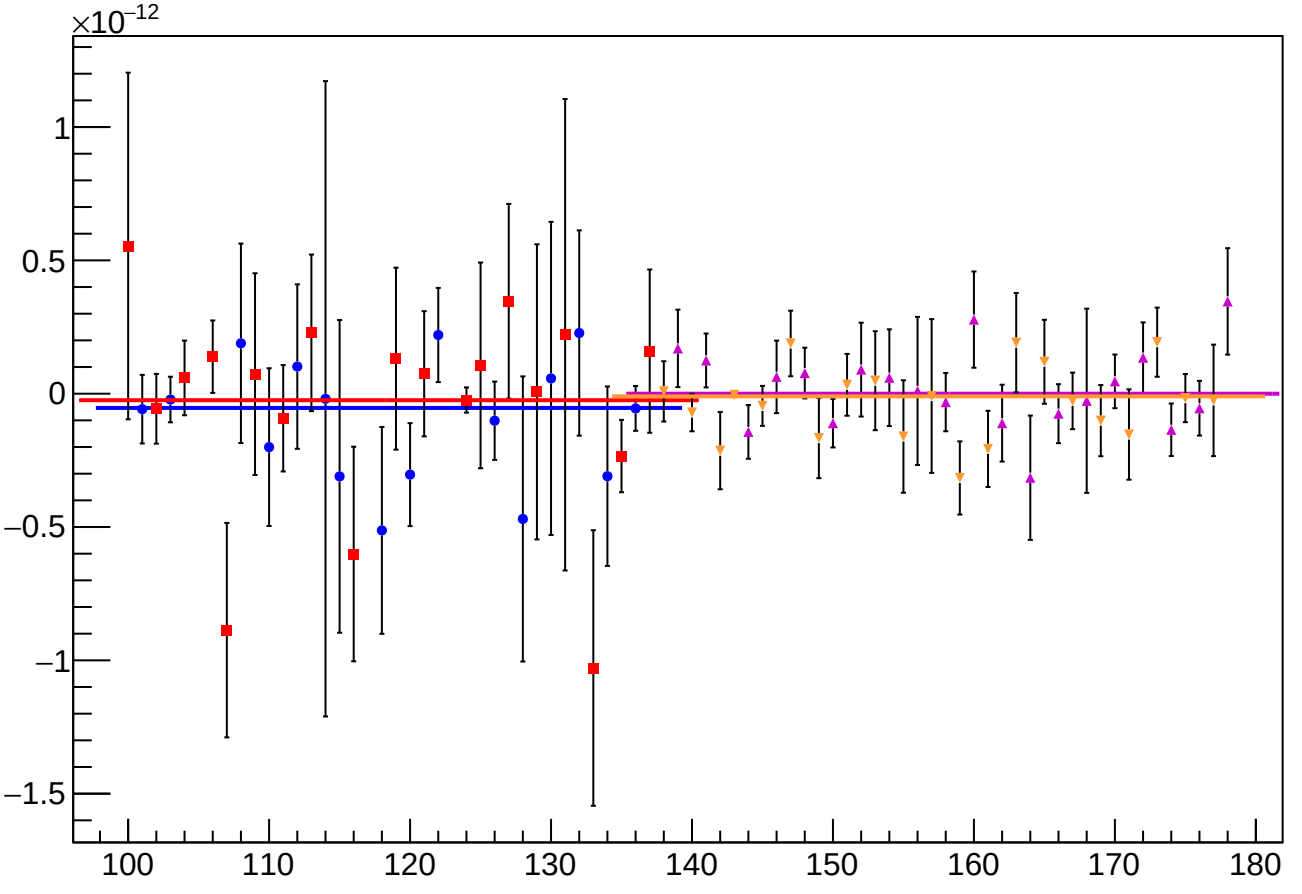
Left In: 4807.212+/-0.854 χ^2/NDF:826649.2/19

\+ sign 4125.075+/-0.616 χ^2/NDF: 2529843.5/36

All: 4117.784+/-0.435 χ^2/NDF: 5121458.7/75

\- sign 4110.483+/-0.616 χ^2/NDF: 2591334.5/38

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:20.0/20

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

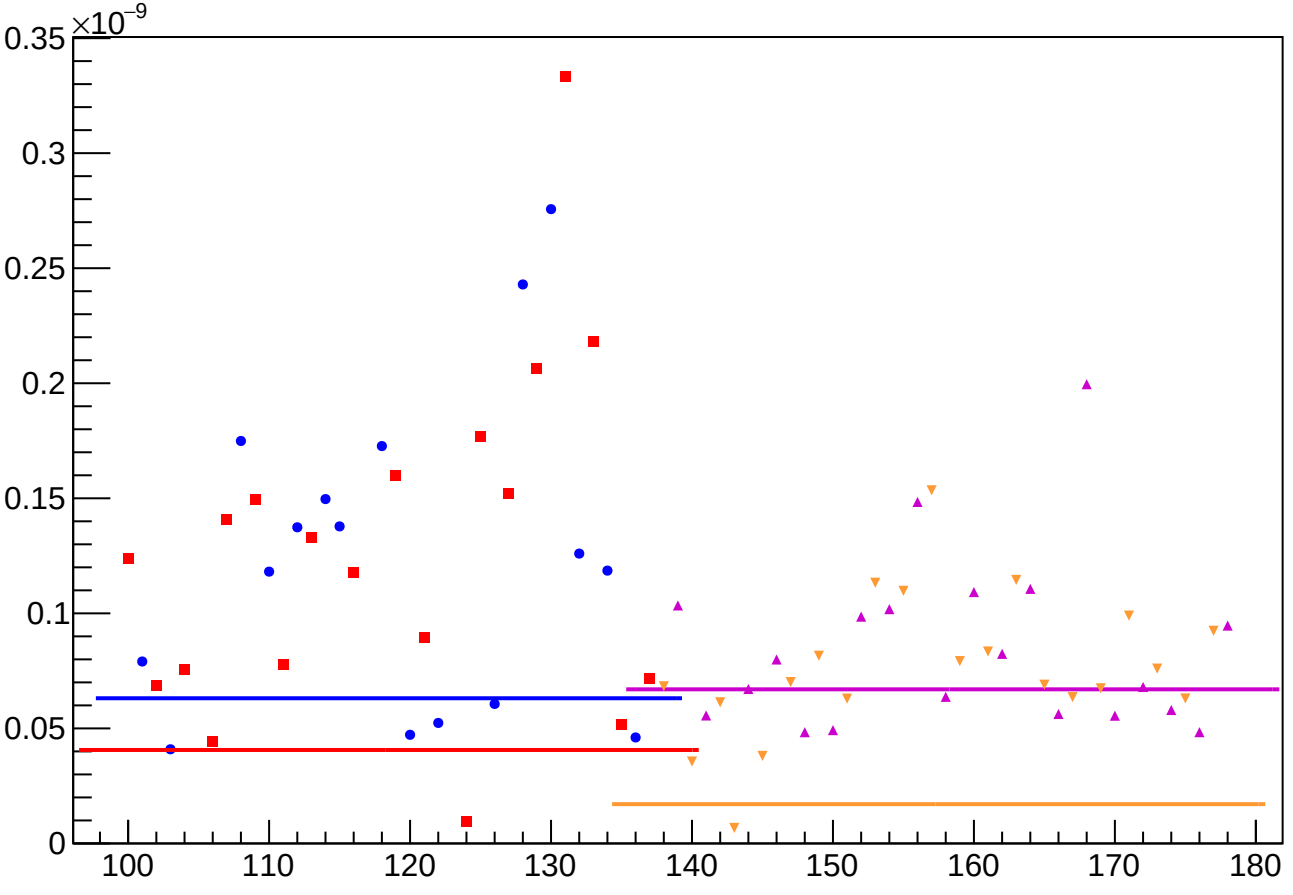
Left In: -0.000+/-0.000 χ^2/NDF:19.4/19

+ sign -0.000+/-0.000 χ^2/NDF: 29.5/36

All: -0.000+/-0.000 χ^2/NDF: 67.6/75

- sign -0.000+/-0.000 χ^2/NDF: 38.1/38

asym_atr1l2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:8532198.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

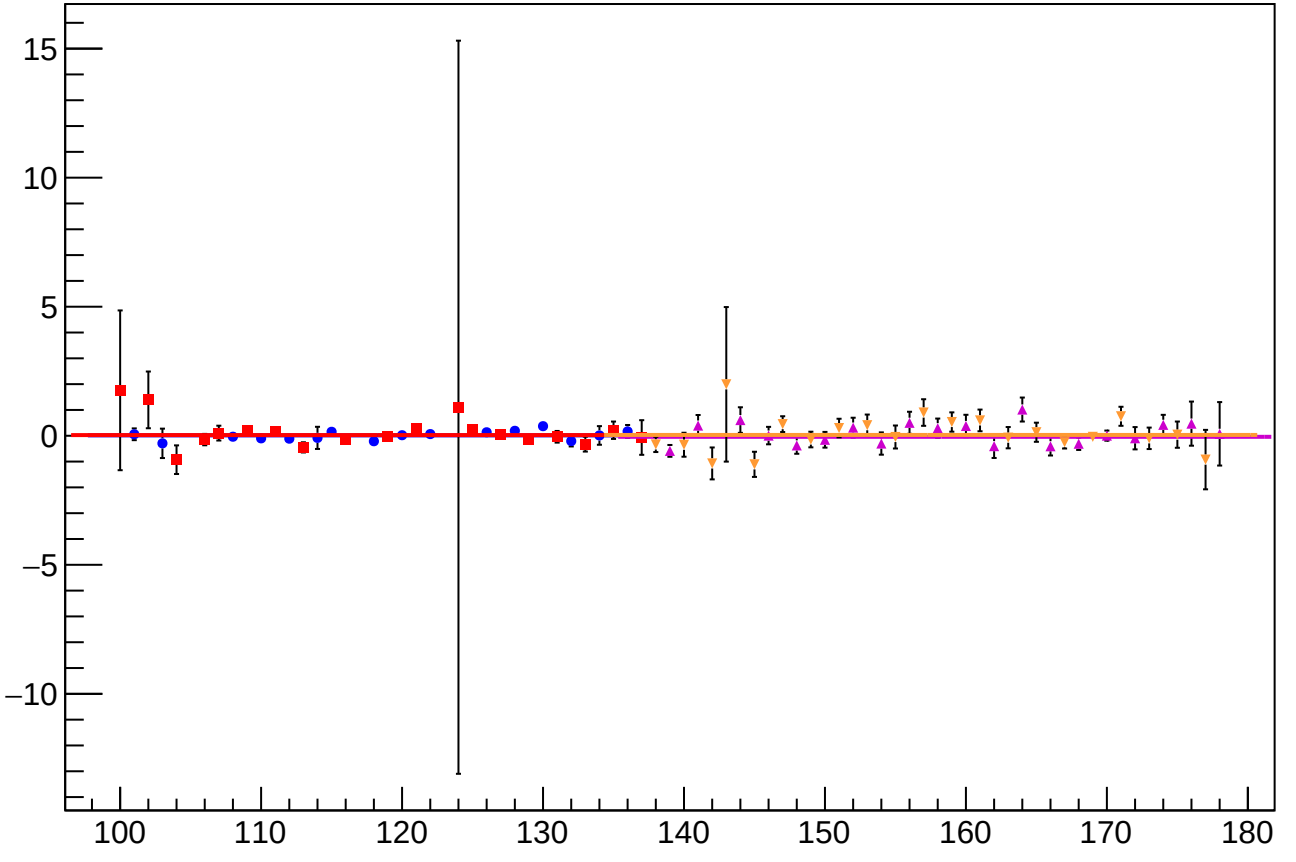
Left In: 0.000+/-0.000 χ^2/NDF:1297880.2/19

+ sign 0.000+/-0.000 χ^2/NDF: 11968285.1/36

All: 0.000+/-0.000 χ^2/NDF: 21486472.4/75

- sign 0.000+/-0.000 χ^2/NDF: 5140309.2/38

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.031+/-0.079 χ^2/NDF:27.6/20

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

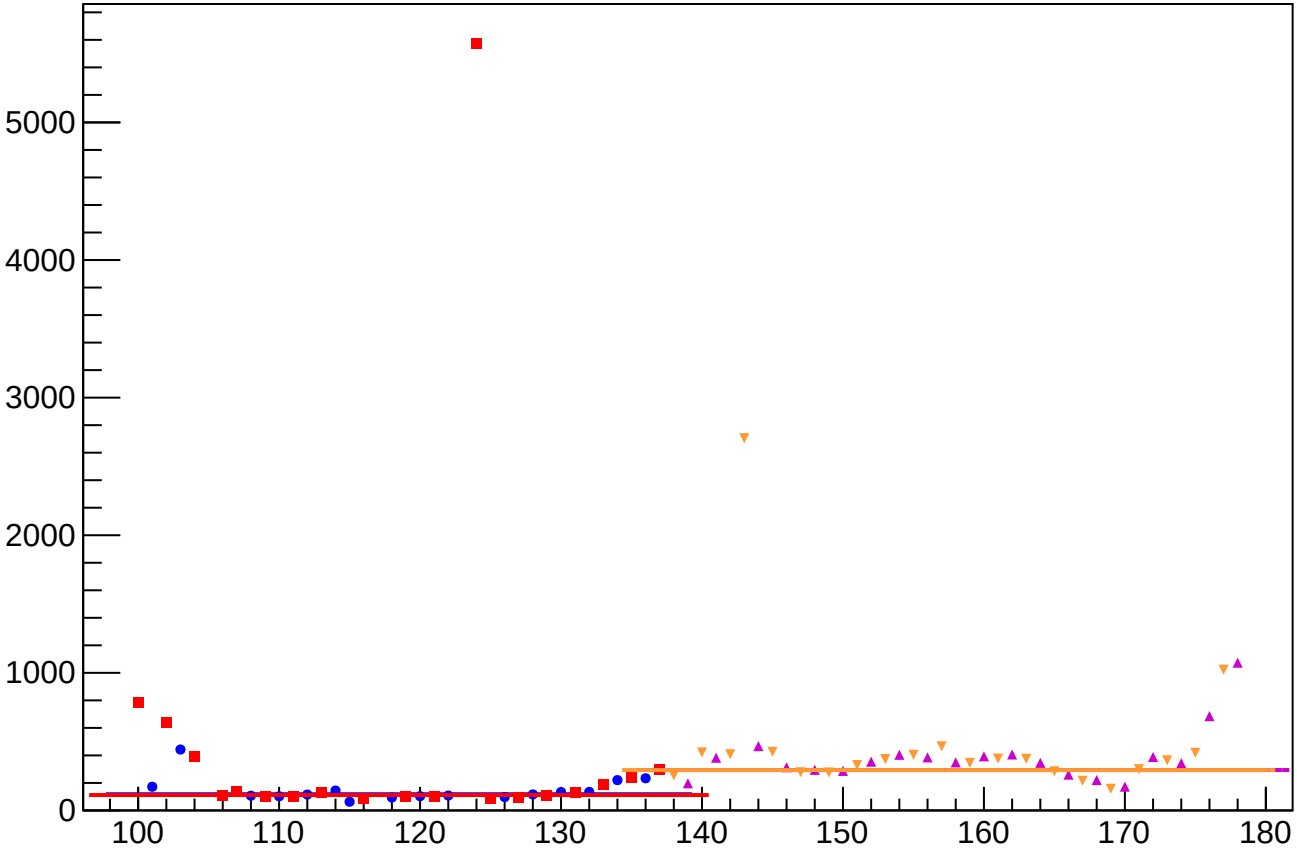
Left In: -0.041+/-0.078 χ^2/NDF:24.3/19

+ sign 0.020+/-0.041 χ^2/NDF: 39.5/36

All: 0.014+/-0.029 χ^2/NDF: 86.4/75

- sign 0.008+/-0.040 χ^2/NDF: 46.9/38

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 293.442+/-0.056 χ^2/NDF:4715087.9/20

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

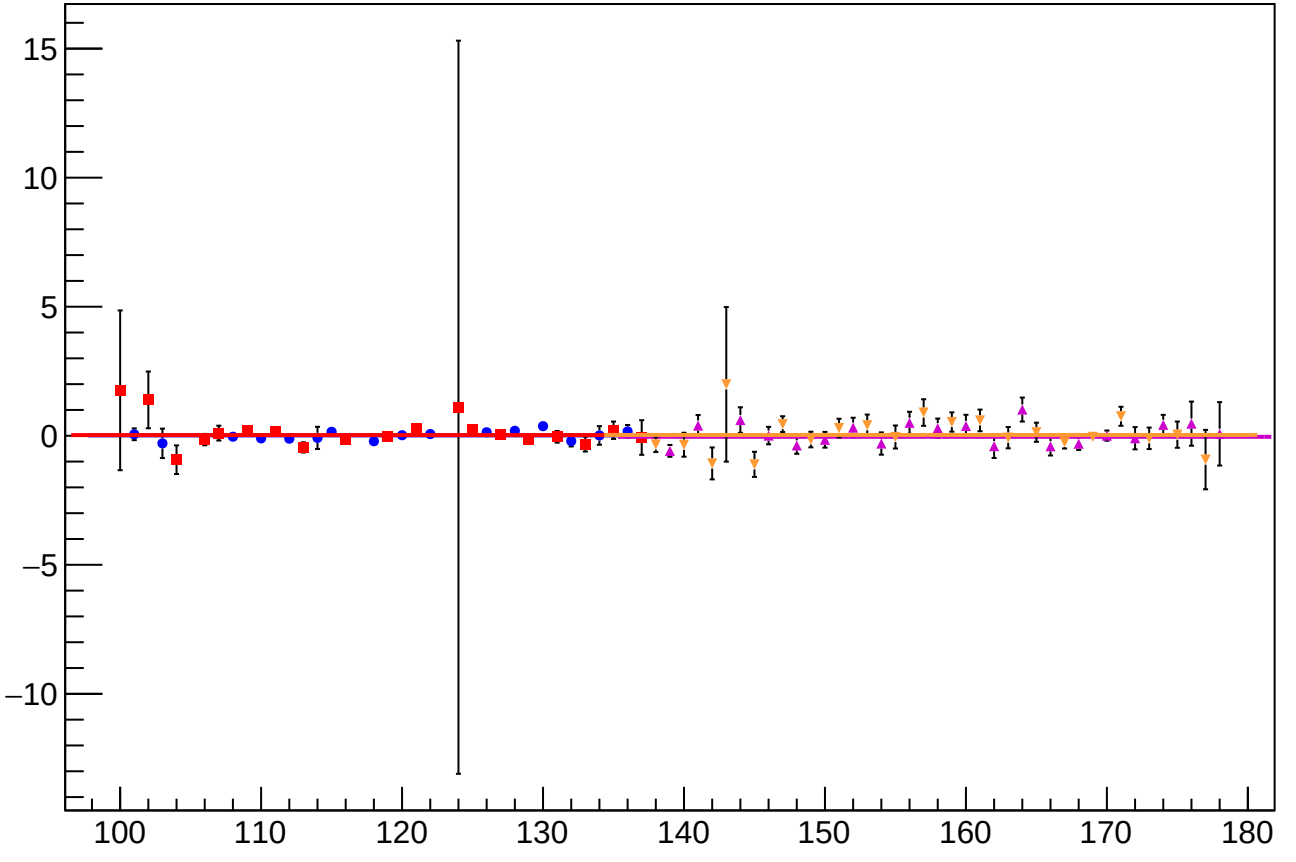
Left In: 293.772+/-0.055 χ^2/NDF:3587220.2/19

+ sign 164.697+/-0.029 χ^2/NDF: 13648803.5/36

All: 162.271+/-0.020 χ^2/NDF: 27352385.2/75

- sign 159.936+/-0.028 χ^2/NDF: 13689832.1/38

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: 0.031+/-0.079 χ^2/NDF:27.6/20

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

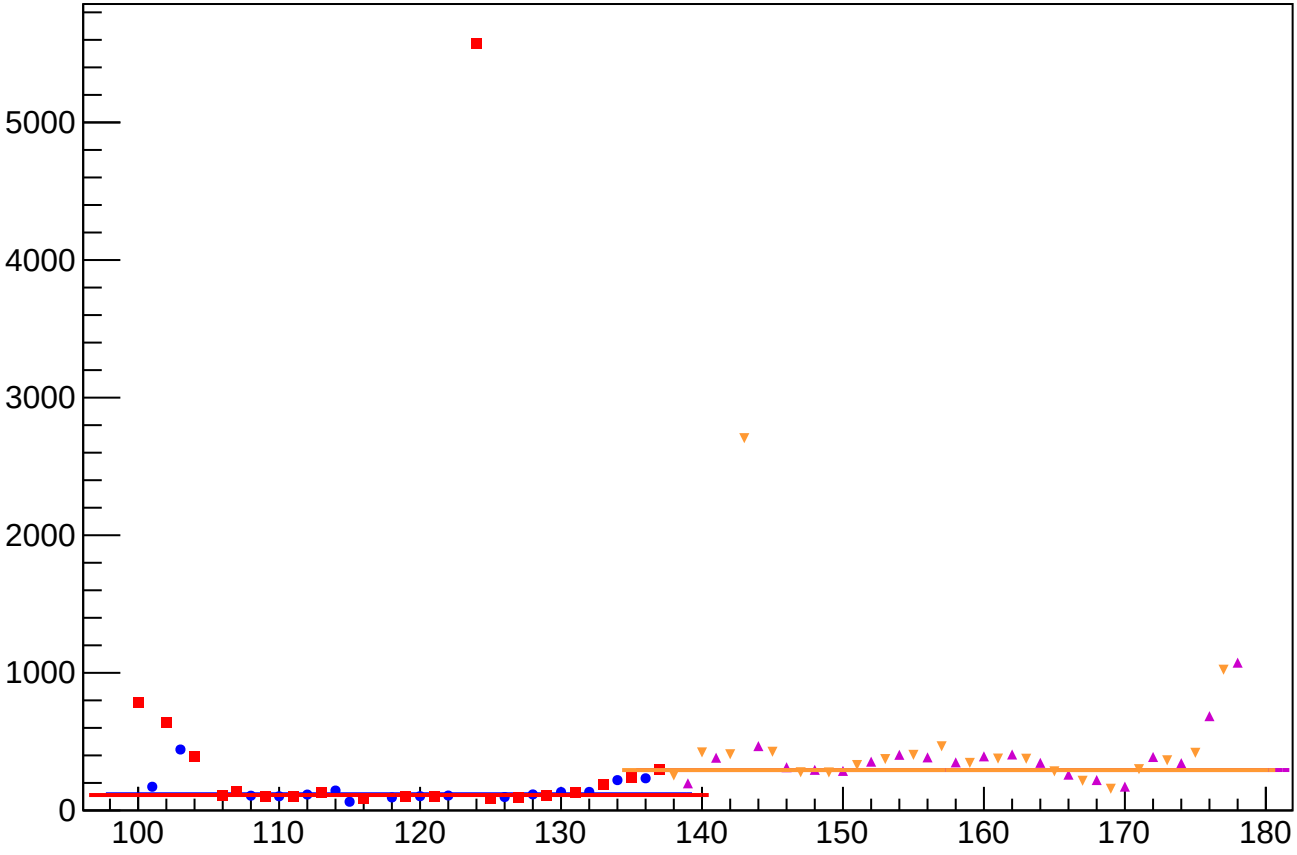
Left In: -0.041+/-0.078 χ^2/NDF:24.3/19

+ sign 0.020+/-0.041 χ^2/NDF: 39.5/36

All: 0.014+/-0.029 χ^2/NDF: 86.4/75

- sign 0.008+/-0.040 χ^2/NDF: 46.9/38

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: 293.442+/-0.056 χ^2/NDF:4715087.9/20

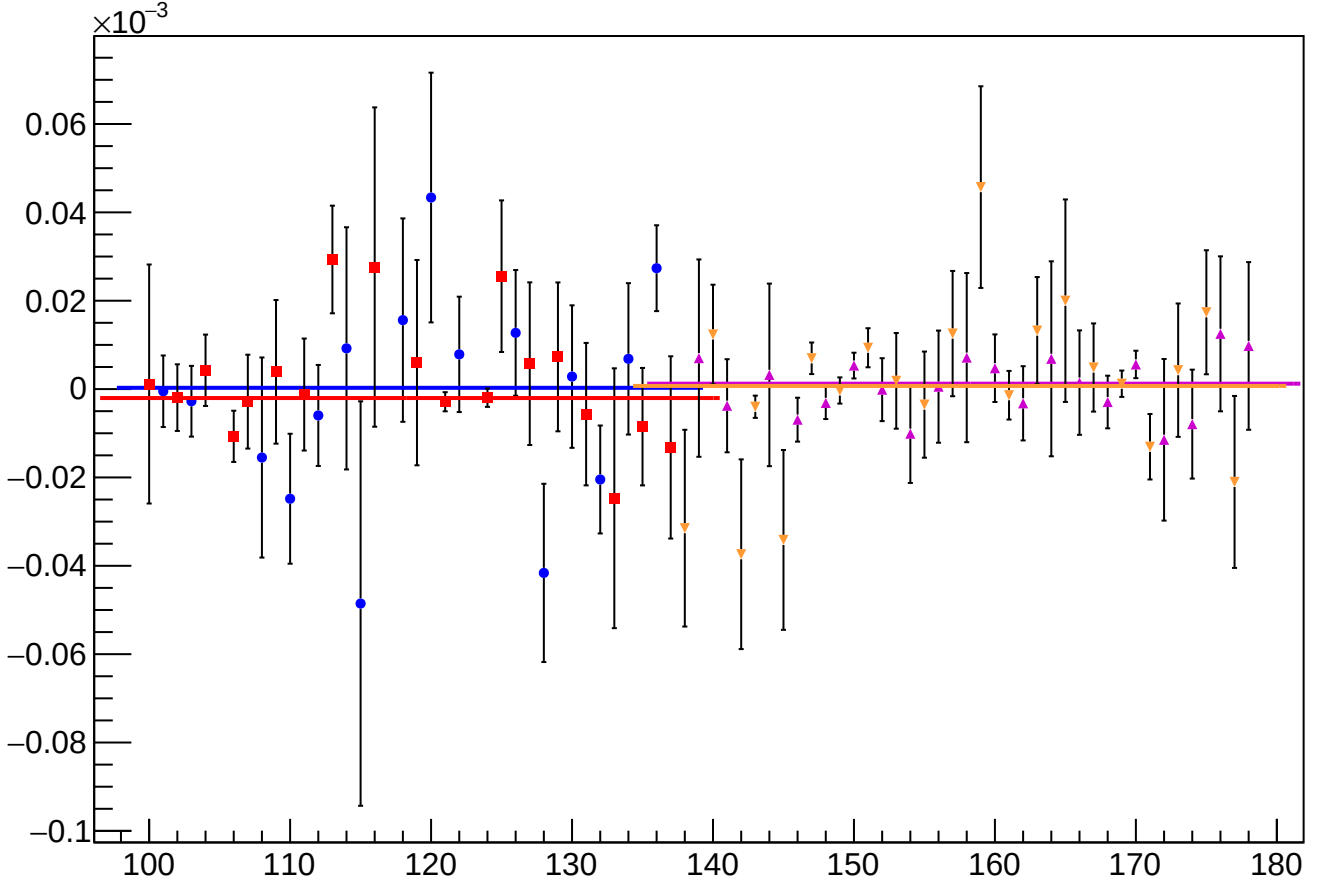
Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 293.772+/-0.055 χ^2/NDF:3587220.2/19

+ sign 164.697+/-0.029 χ^2/NDF: 13648803.5/36

All: 162.271+/-0.020 χ^2/NDF: 27352385.2/75

- sign 159.936+/-0.028 χ^2/NDF: 13689832.1/38



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:32.8/20

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

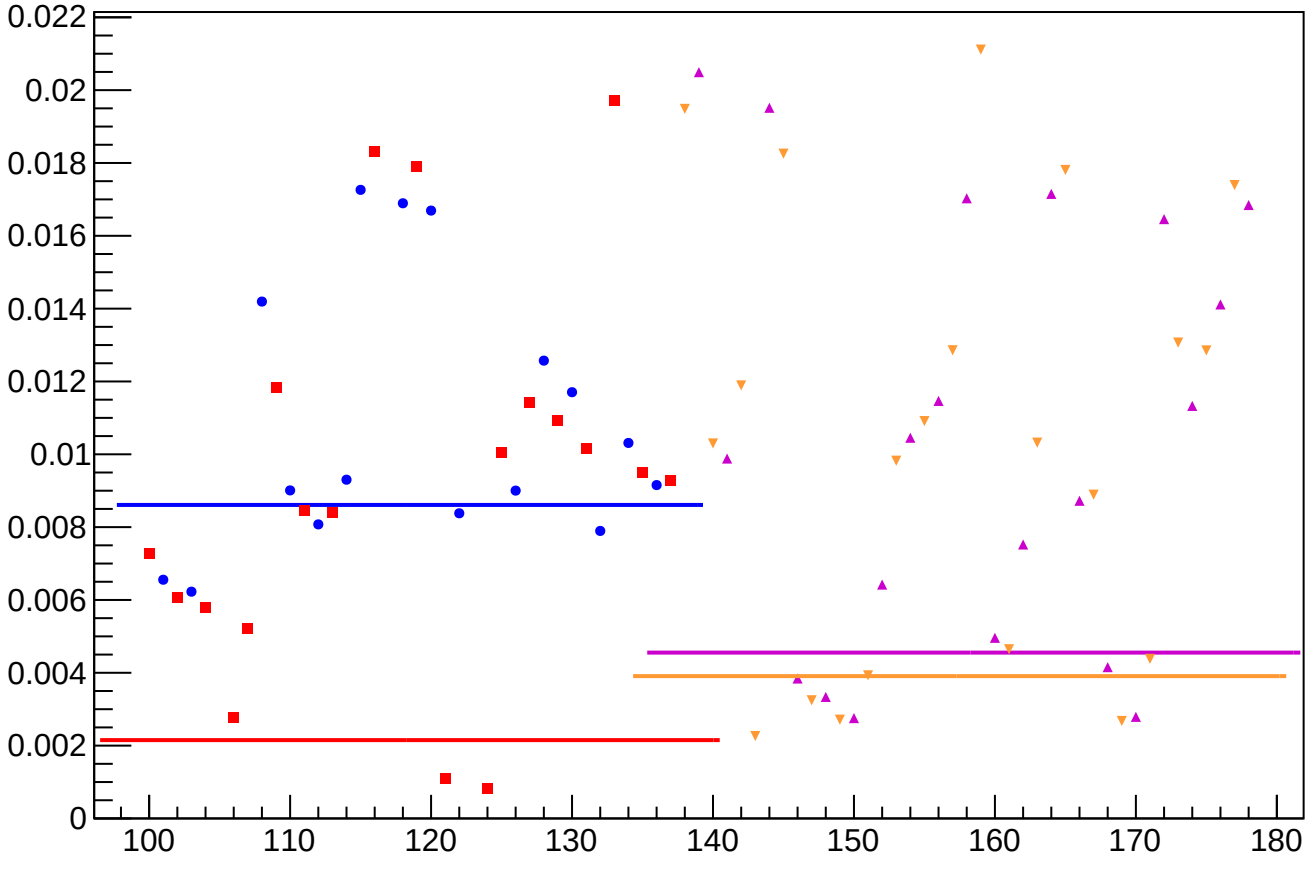
Left In: 0.000+/-0.000 χ^2/NDF:12.2/19

+ sign 0.000+/-0.000 χ^2/NDF: 56.9/36

All: -0.000+/-0.000 χ^2/NDF: 87.2/75

- sign -0.000+/-0.000 χ^2/NDF: 29.7/38

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 1114251.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:12036726.5/20

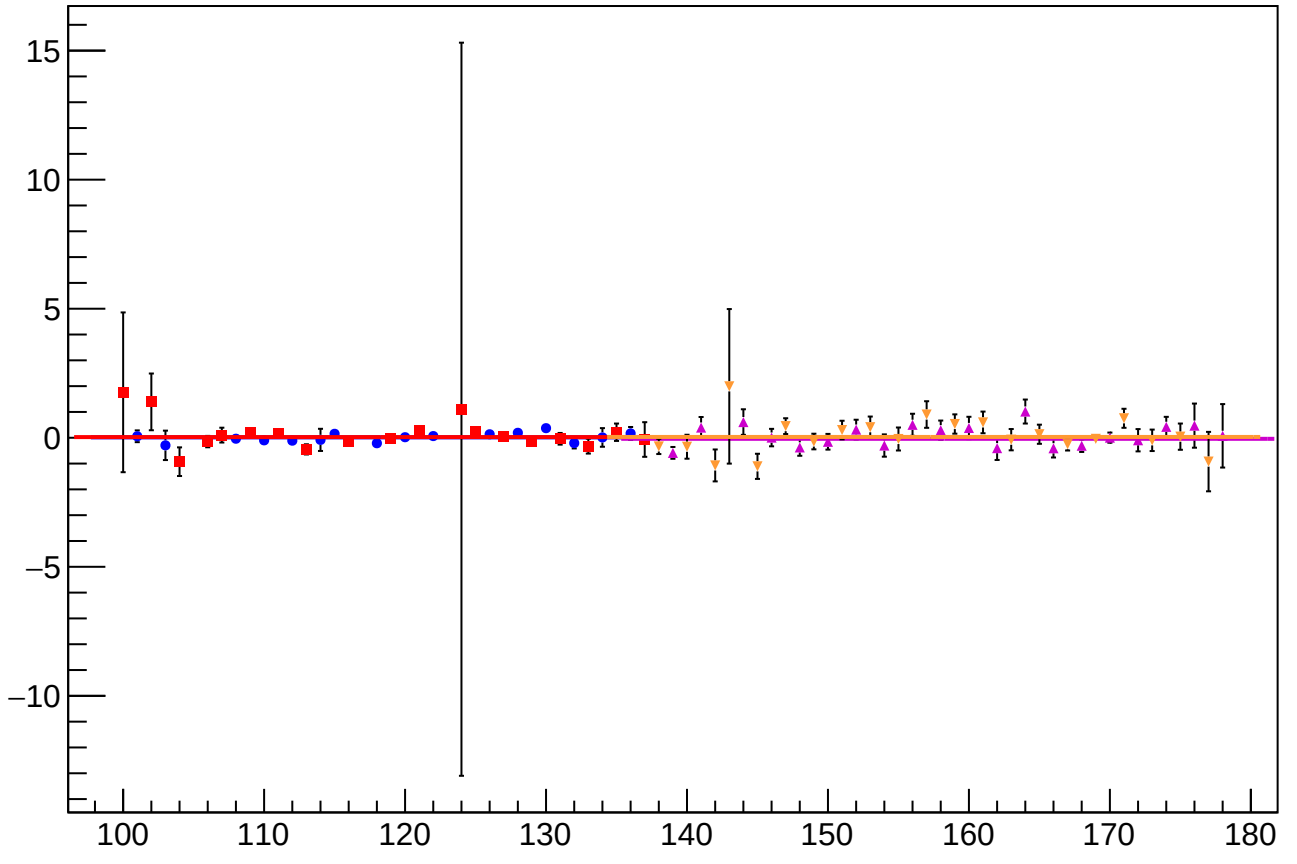
Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

Left In: 0.005+/-0.000 χ^2/NDF:10440165.8/19

+ sign 0.004+/-0.000 χ^2/NDF: 16559381.3/36

All: 0.004+/-0.000 χ^2/NDF: 40326448.8/75

- sign 0.003+/-0.000 χ^2/NDF: 22481283.7/38



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.031+/-0.079 χ^2/NDF:27.6/20

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

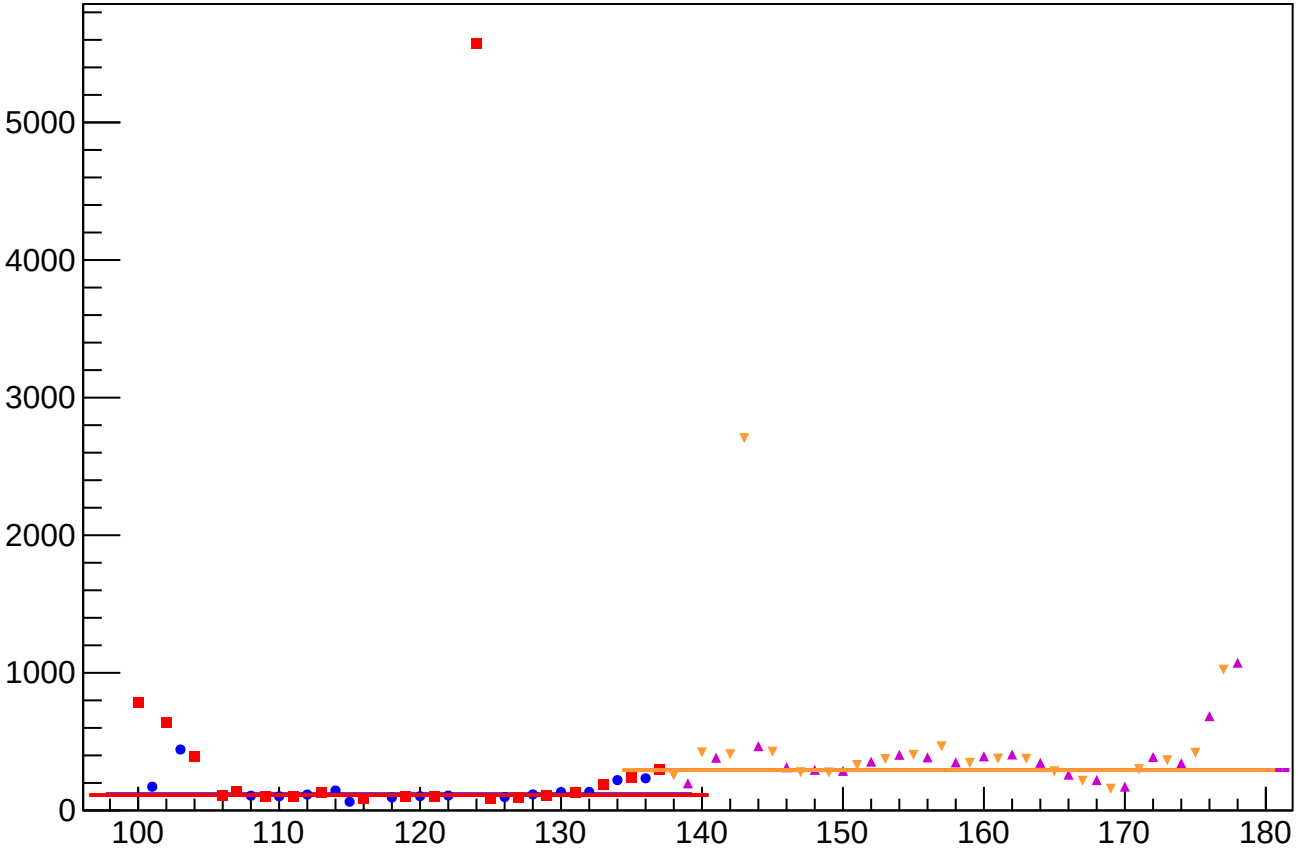
Left In: -0.041+/-0.078 χ^2/NDF:24.3/19

+ sign 0.020+/-0.041 χ^2/NDF: 39.5/36

All: 0.014+/-0.029 χ^2/NDF: 86.4/75

- sign 0.008+/-0.040 χ^2/NDF: 46.9/38

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: 293.443+/-0.056 χ^2/NDF:4715146.3/20

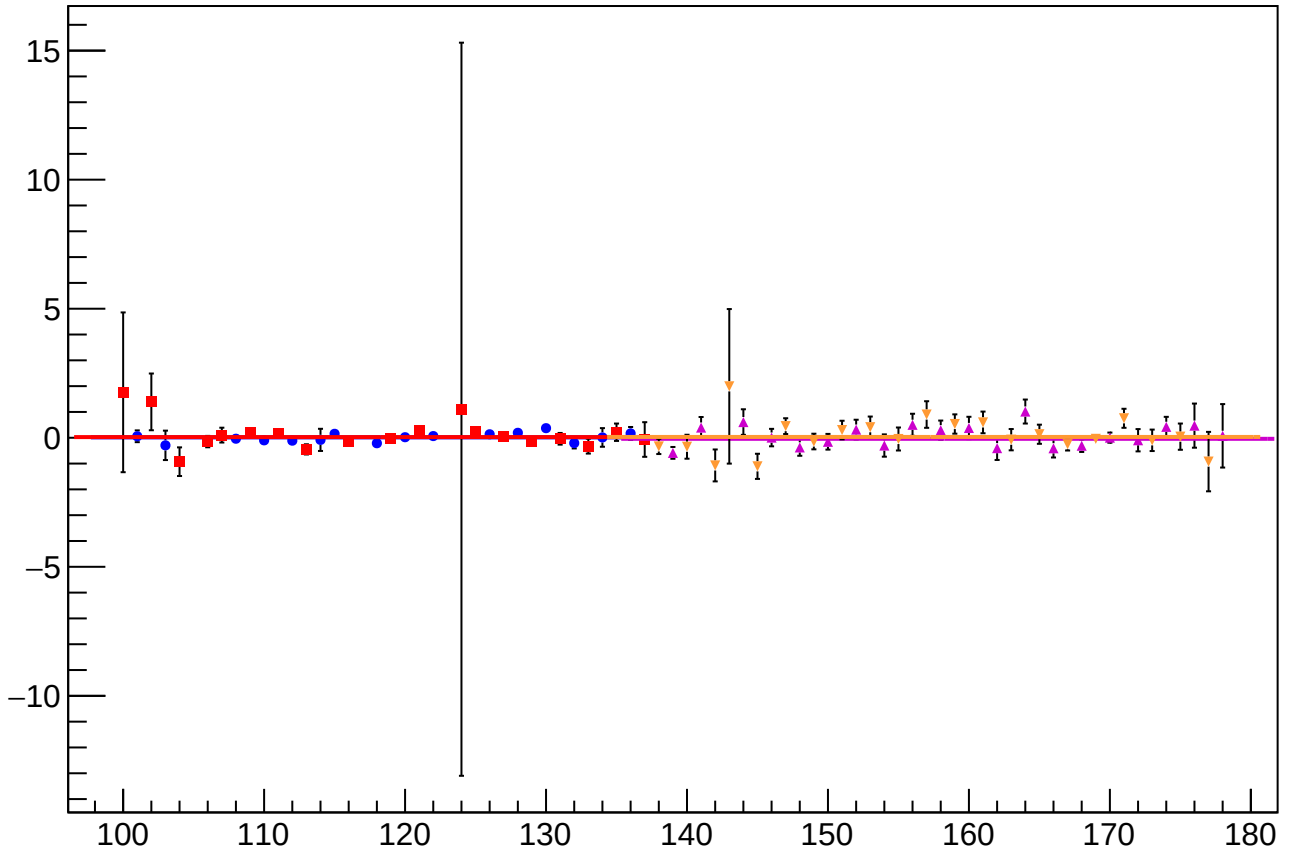
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 293.775+/-0.055 χ^2/NDF:3587201.4/19

+ sign 164.697+/-0.029 χ^2/NDF: 13648891.9/36

All: 162.272+/-0.020 χ^2/NDF: 27352322.5/75

- sign 159.938+/-0.028 χ^2/NDF: 13689692.9/38



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.031+/-0.079 χ^2/NDF:27.6/20

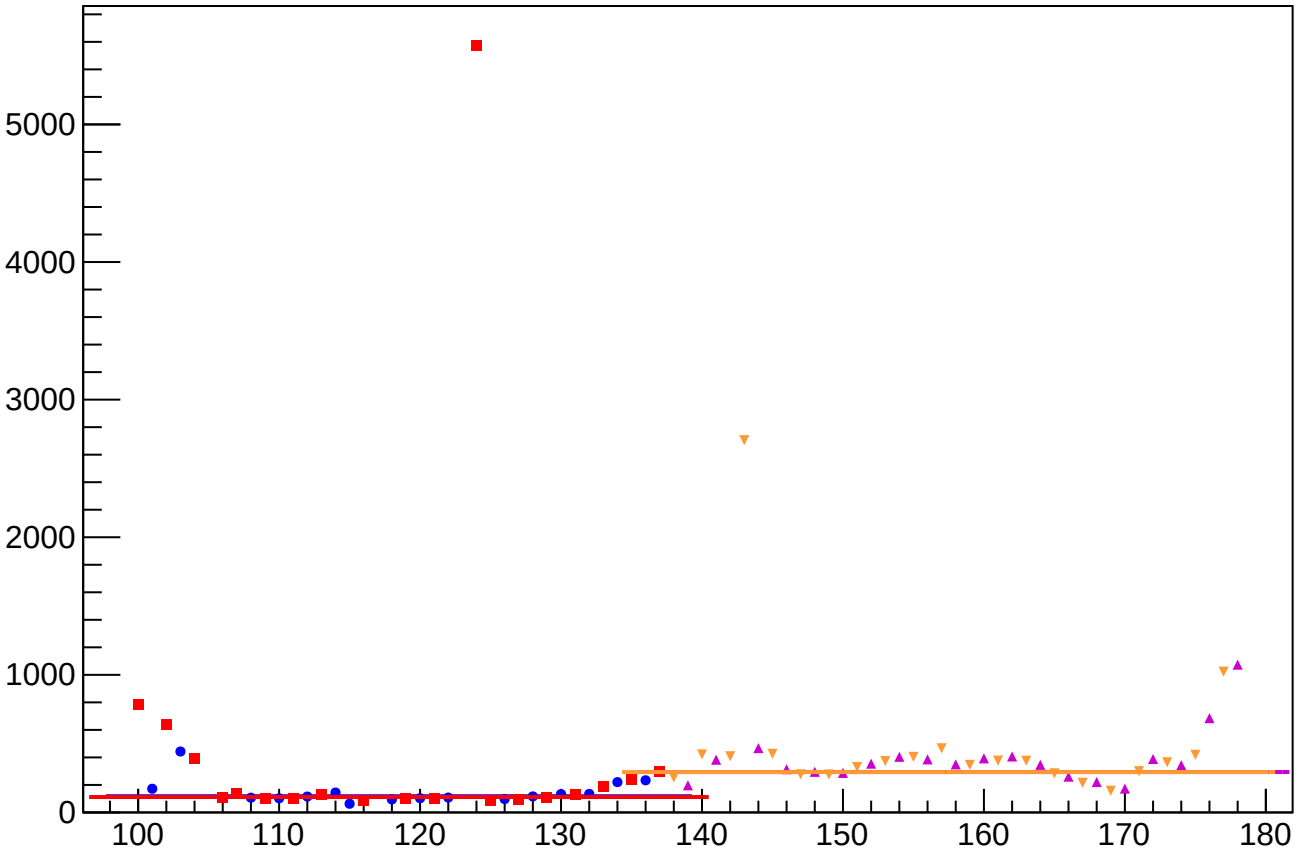
Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: -0.041+/-0.078 χ^2/NDF:24.3/19

+ sign 0.020+/-0.041 χ^2/NDF: 39.5/36

All: 0.014+/-0.029 χ^2/NDF: 86.4/75

- sign 0.008+/-0.040 χ^2/NDF: 46.9/38



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 293.443+/-0.056 χ^2/NDF:4715146.3/20

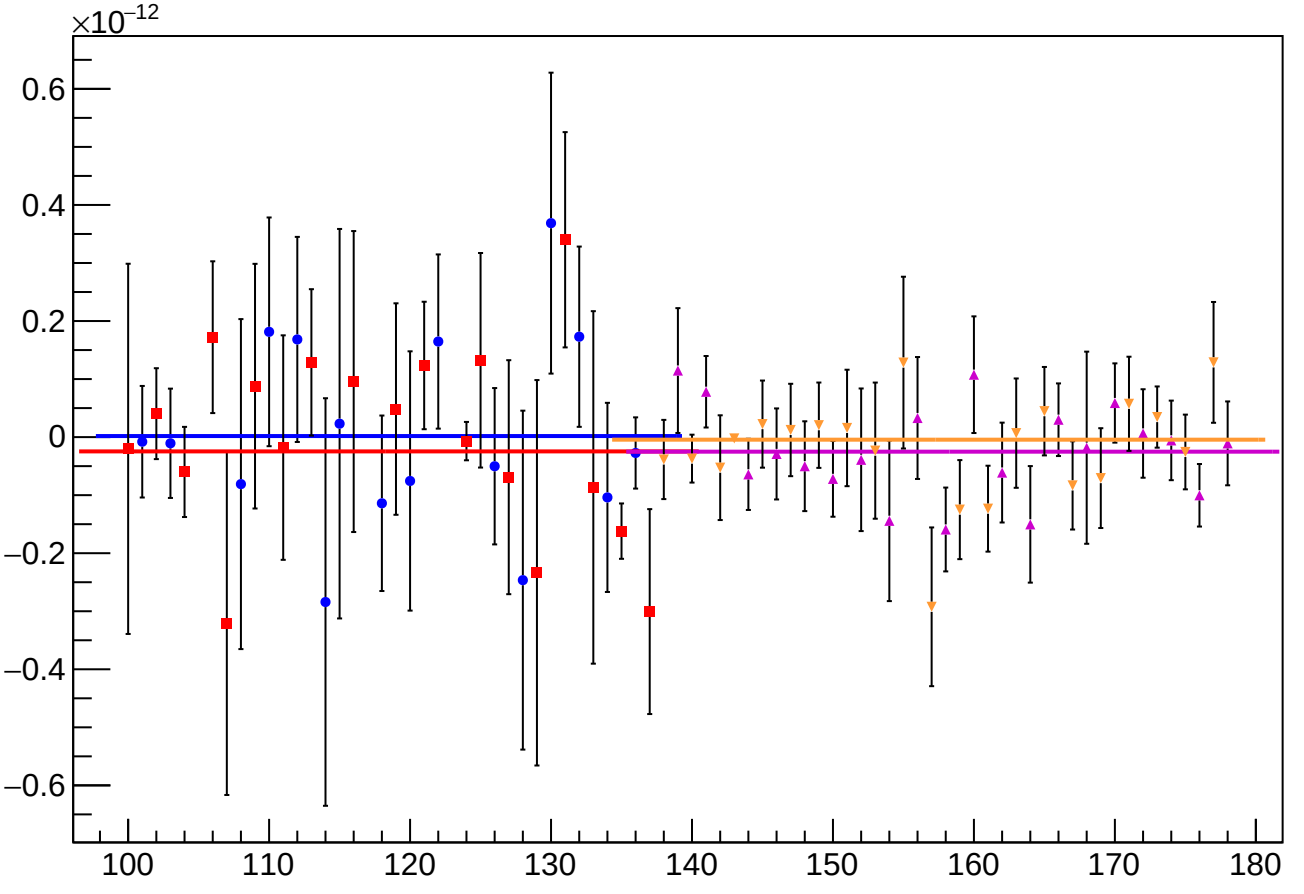
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 293.775+/-0.055 χ^2/NDF:3587201.4/19

+ sign 164.697+/-0.029 χ^2/NDF: 13648891.9/36

All: 162.272+/-0.020 χ^2/NDF: 27352322.5/75

- sign 159.938+/-0.028 χ^2/NDF: 13689692.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/20

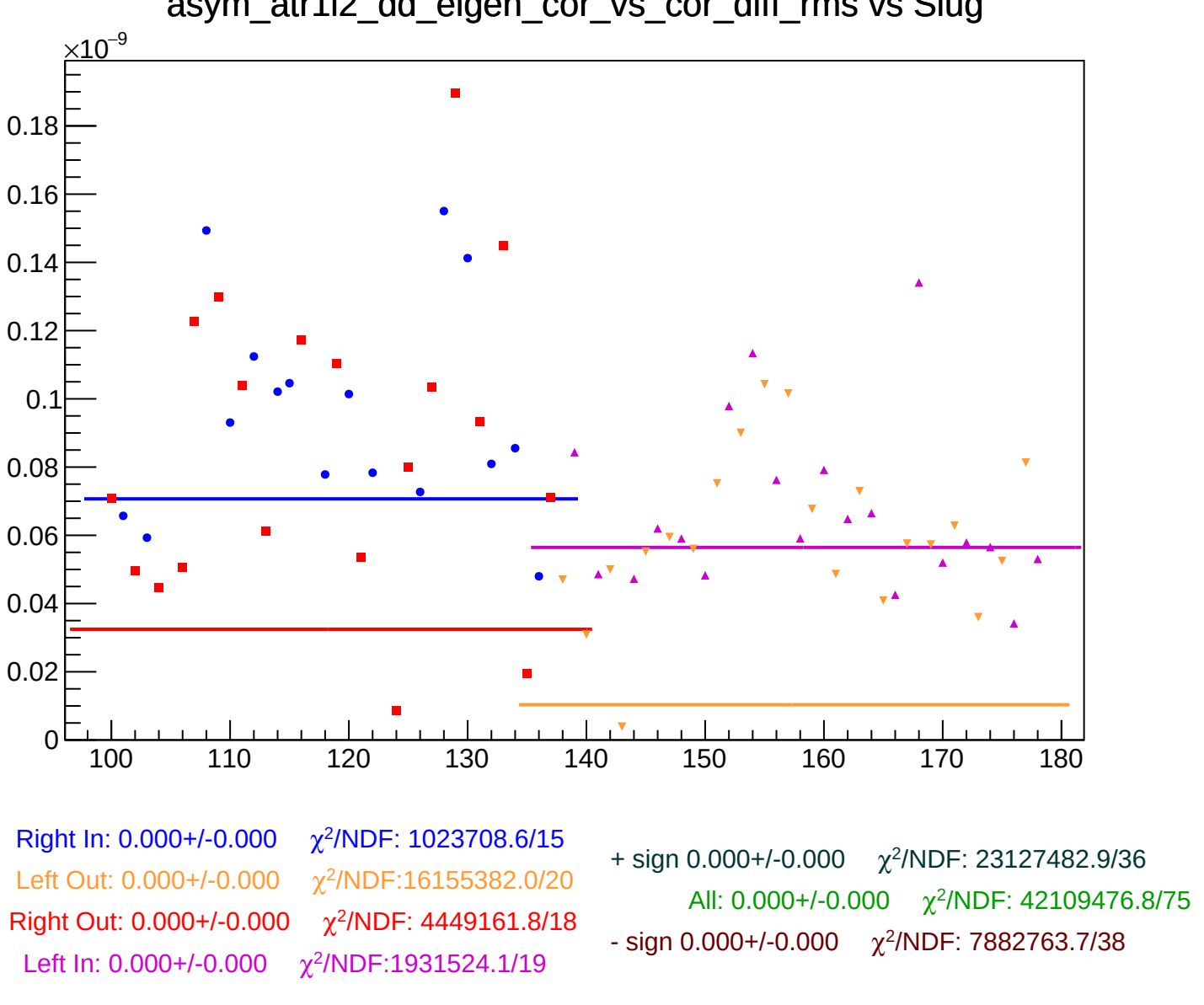
Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: -0.000+/-0.000 χ^2/NDF:18.0/19

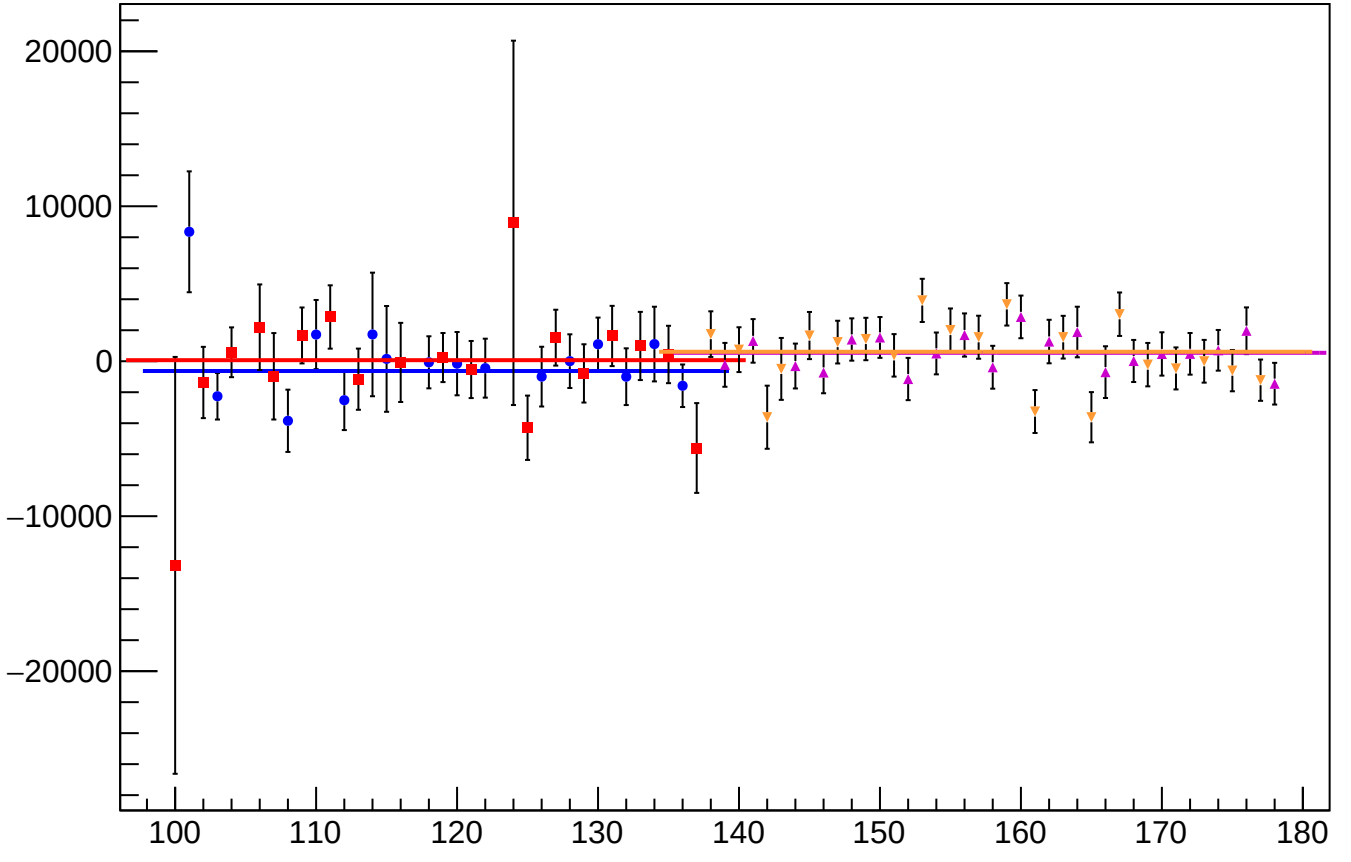
+ sign -0.000+/-0.000 χ^2/NDF: 25.6/36

All: -0.000+/-0.000 χ^2/NDF: 69.8/75

- sign -0.000+/-0.000 χ^2/NDF: 42.3/38


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
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1023708.6/15
Left Out: 0.000+/-0.000 χ²/NDF:16155382.0/20
Right Out: 0.000+/-0.000 χ²/NDF: 4449161.8/18
Left In: 0.000+/-0.000 χ²/NDF:1931524.1/19
+ sign 0.000+/-0.000 χ²/NDF: 23127482.9/36
All: 0.000+/-0.000 χ²/NDF: 42109476.8/75
- sign 0.000+/-0.000 χ²/NDF: 7882763.7/38

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 610.349+/-313.353 χ^2/NDF:40.3/20

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

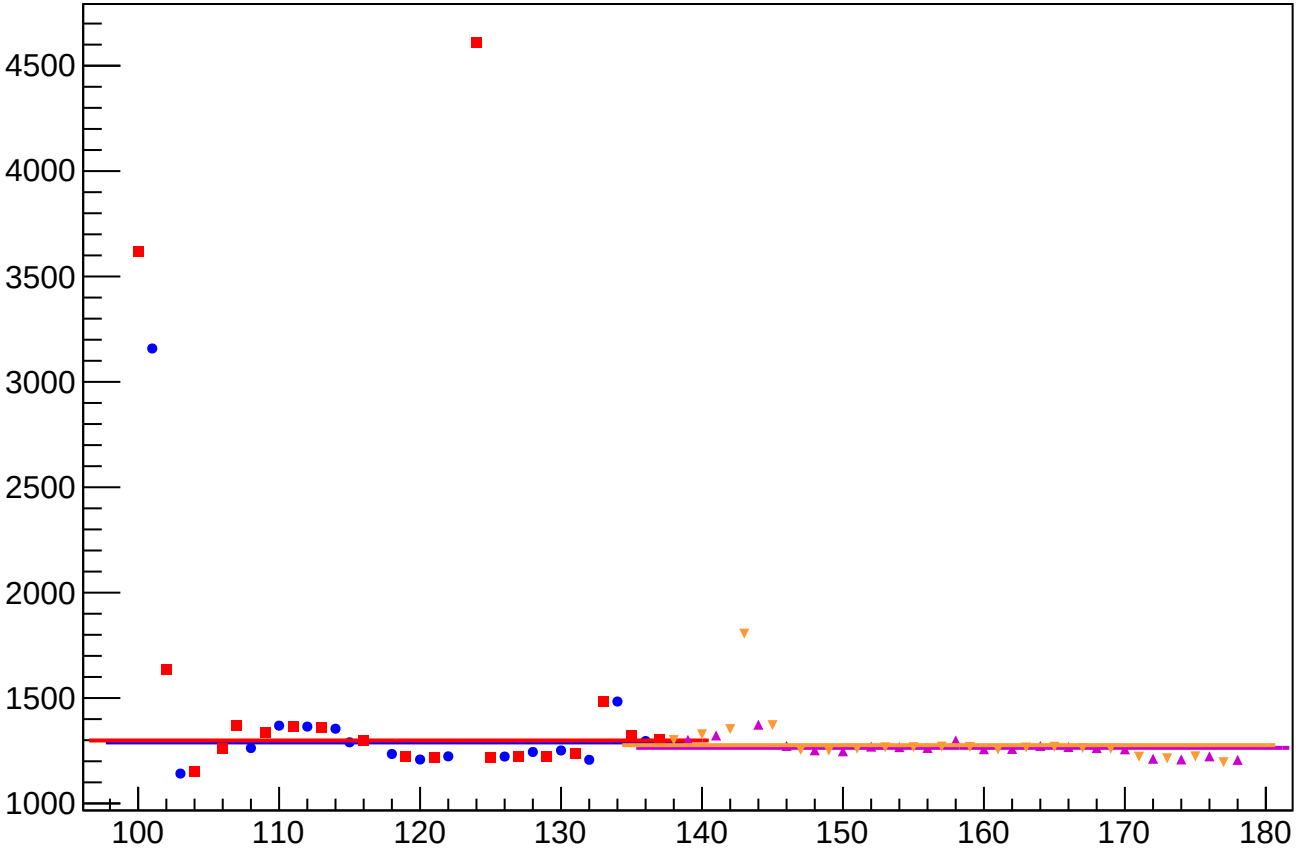
Left In: 543.002+/-312.722 χ^2/NDF:13.1/19

+ sign 248.630+/-263.779 χ^2/NDF: 58.8/36

All: 326.731+/-186.336 χ^2/NDF: 88.6/75

- sign 404.524+/-263.260 χ^2/NDF: 29.6/38

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1276.484+/-0.222 χ^2/NDF:174631.6/20

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

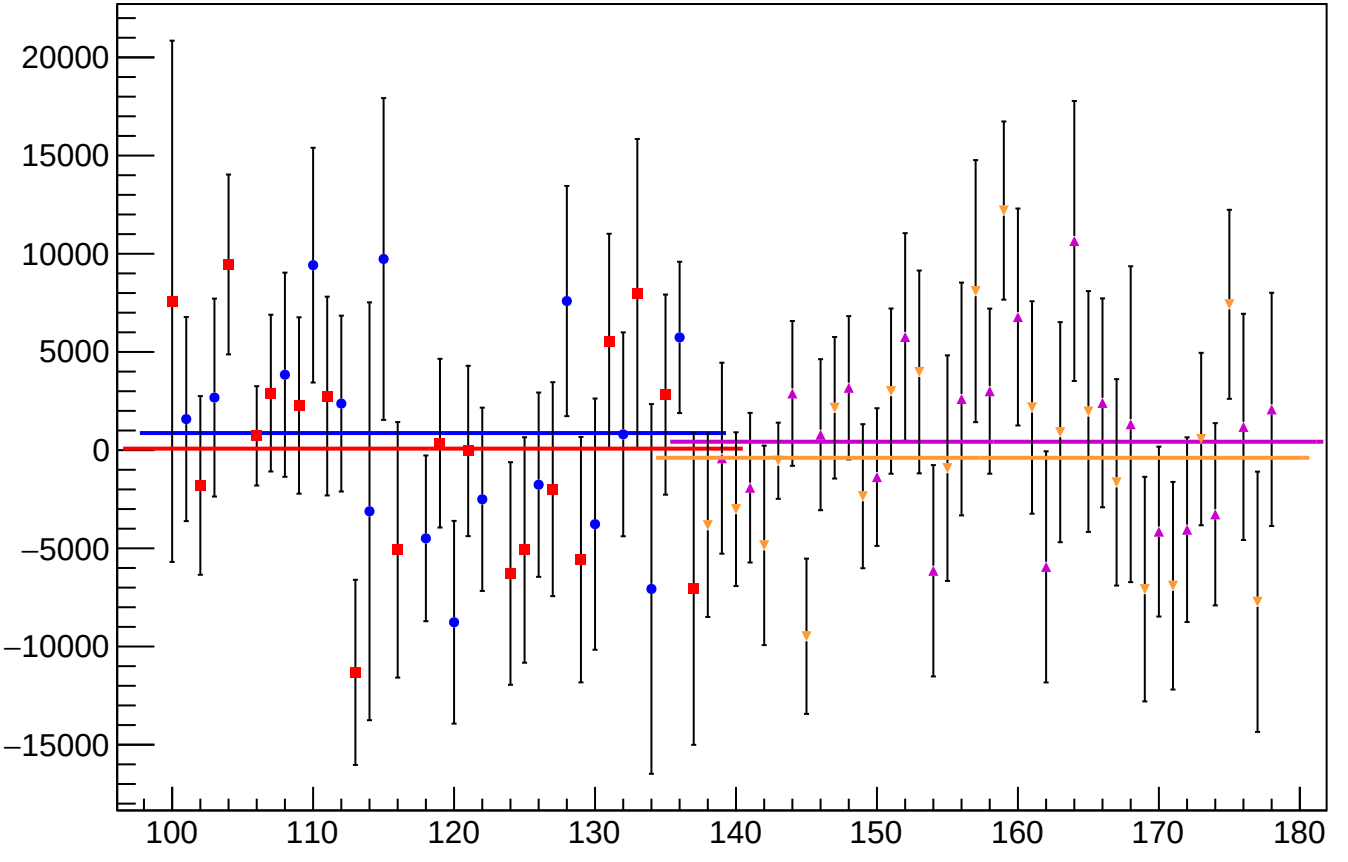
Left In: 1263.728+/-0.221 χ^2/NDF:30050.0/19

+ sign 1280.267+/-0.187 χ^2/NDF: 690306.9/36

All: 1277.095+/-0.132 χ^2/NDF: 1047603.4/75

- sign 1273.941+/-0.186 χ^2/NDF: 356719.8/38

asym_atl_dd_atr_dd_avg_reg_correction_mean vs Slug



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -389.734+/-936.900 χ^2/NDF:25.8/20

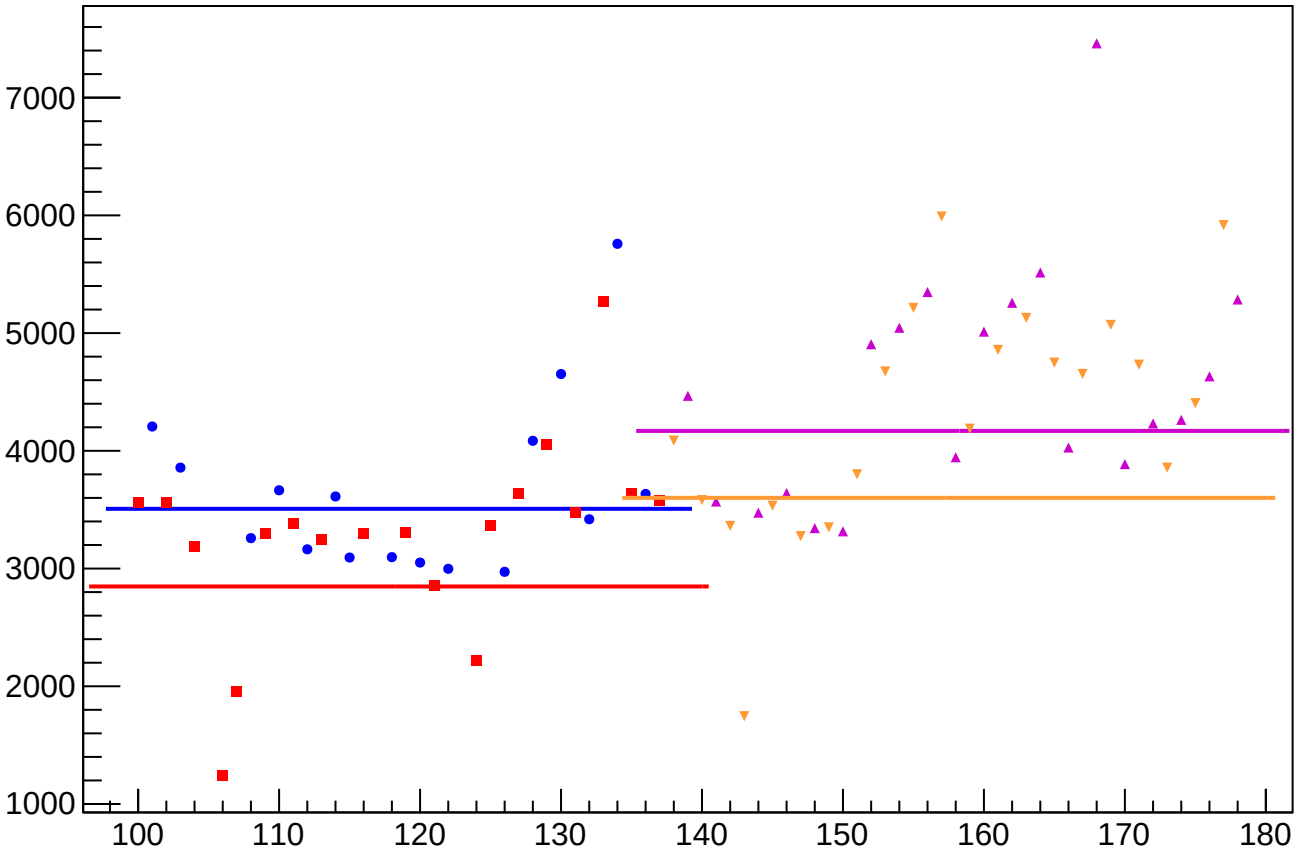
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 428.141+/-1054.120 χ^2/NDF:12.2/19

+ sign 30.148+/-765.034 χ^2/NDF: 40.4/36

All: 146.099+/-540.849 χ^2/NDF: 71.1/75

- sign 261.954+/-764.717 χ^2/NDF: 30.6/38



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3600.663+/-0.662 χ^2/NDF:3357722.6/20

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

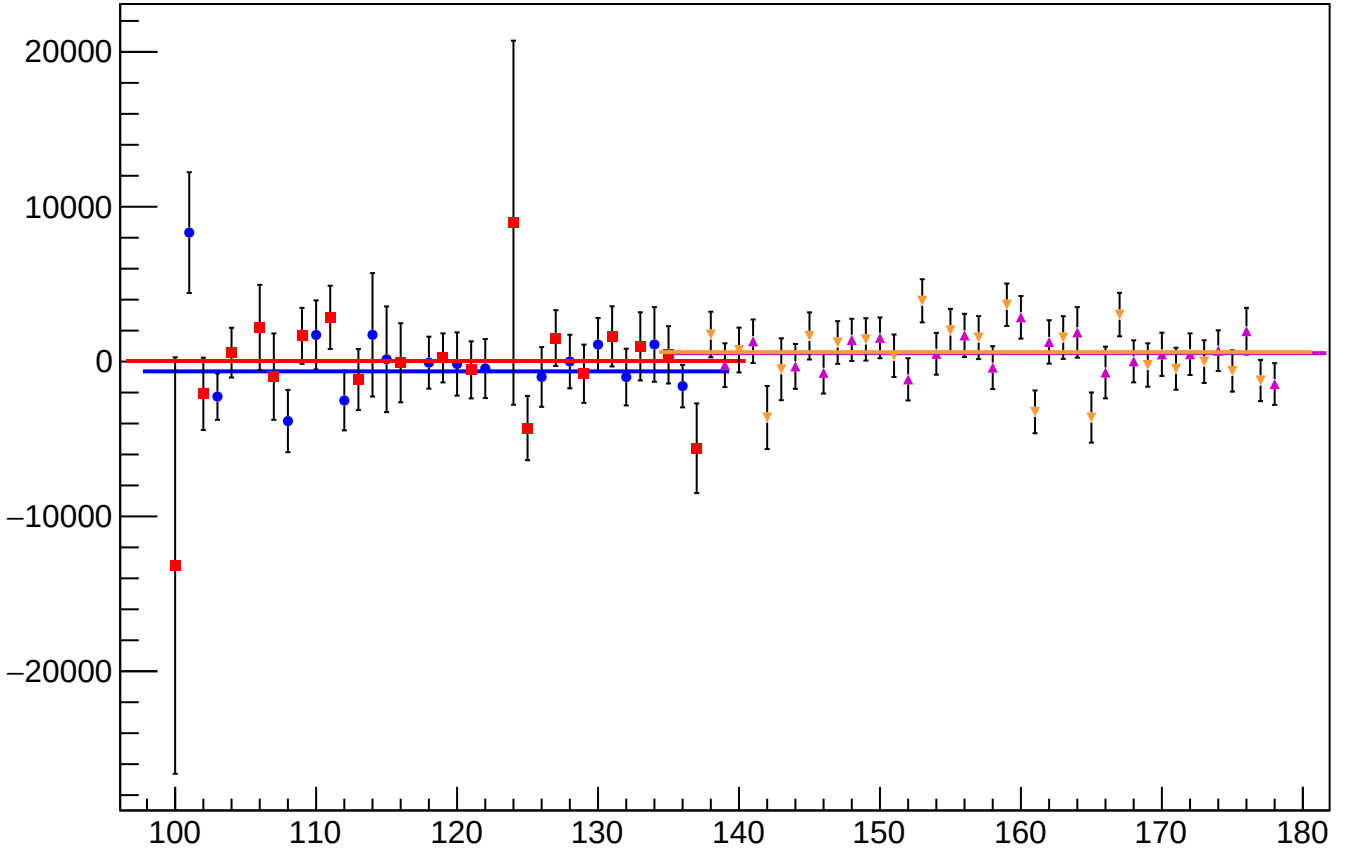
Left In: 4169.150+/-0.745 χ^2/NDF:1179312.4/19

+ sign 3569.584+/-0.541 χ^2/NDF: 3718306.2/36

All: 3556.398+/-0.382 χ^2/NDF: 7886787.1/75

- sign 3543.224+/-0.541 χ^2/NDF: 4167293.2/38

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 610.374+/-313.353 χ^2/NDF:40.3/20

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

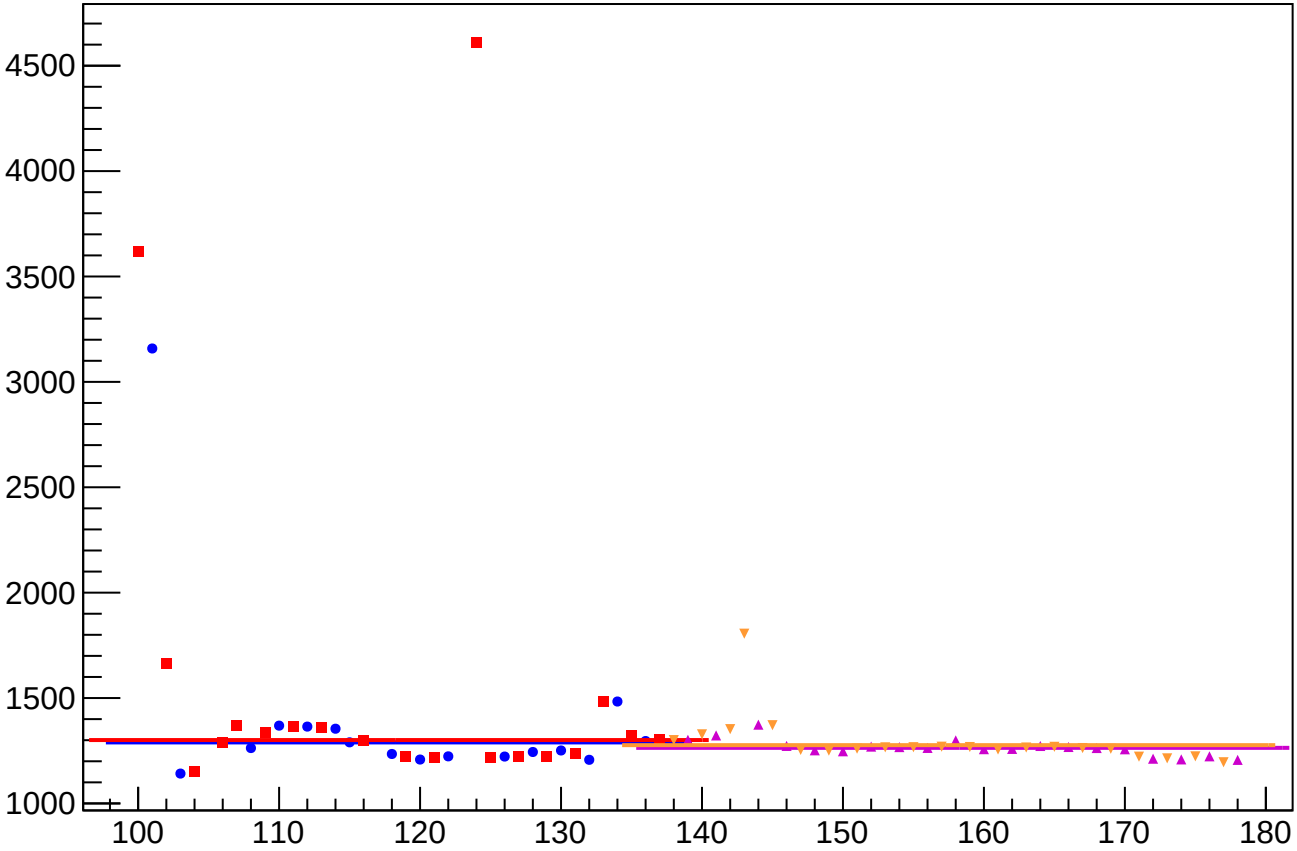
Left In: 542.923+/-312.722 χ^2/NDF:13.1/19

+ sign 248.536+/-263.779 χ^2/NDF: 58.8/36

All: 322.475+/-186.354 χ^2/NDF: 89.1/75

- sign 396.153+/-263.311 χ^2/NDF: 30.1/38

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1276.484+/-0.222 χ^2/NDF:174631.6/20

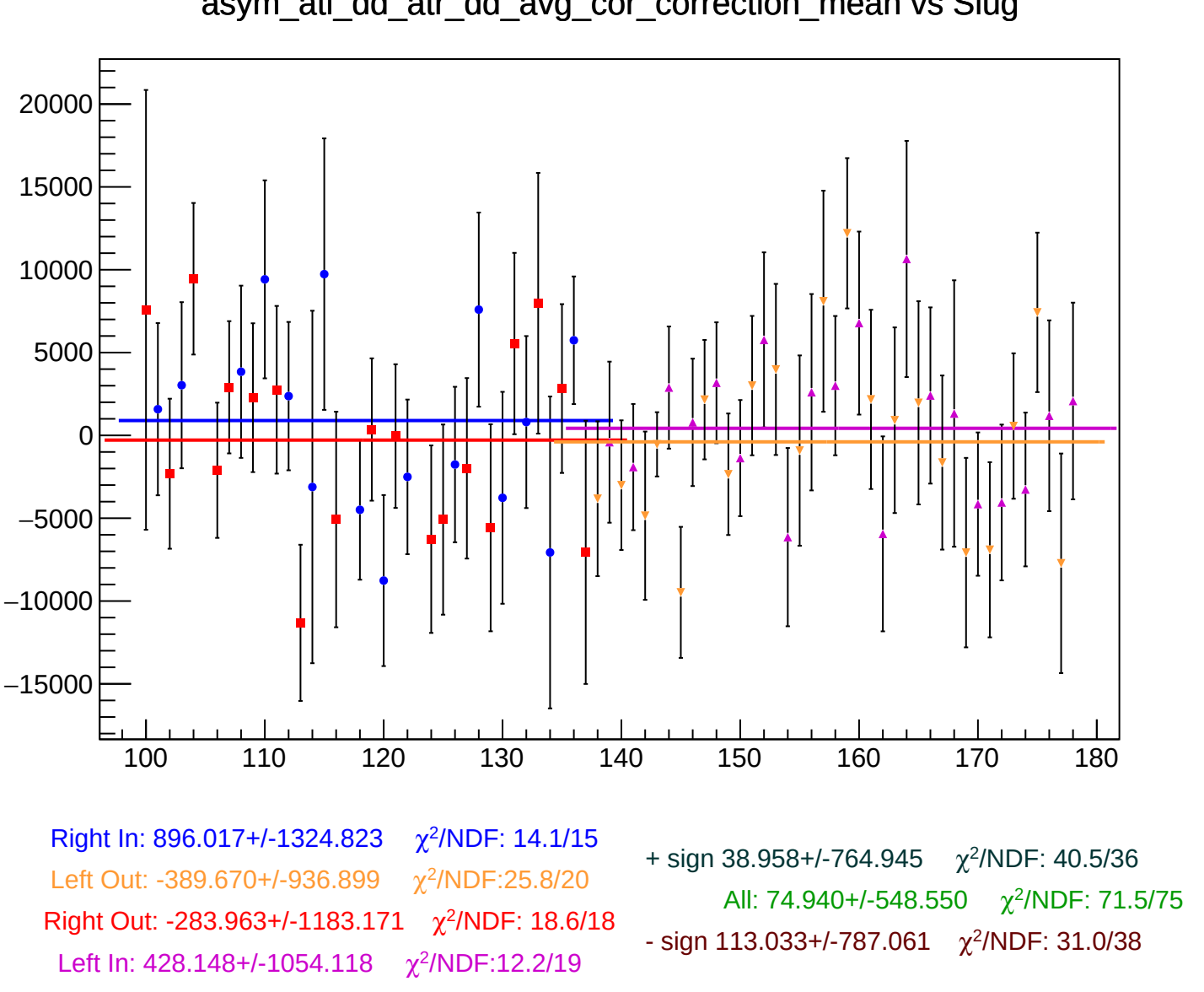
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1263.728+/-0.221 χ^2/NDF:30050.0/19

+ sign 1280.267+/-0.187 χ^2/NDF: 690308.3/36

All: 1277.383+/-0.132 χ^2/NDF: 1054893.4/75

- sign 1274.512+/-0.186 χ^2/NDF: 364107.9/38


asym_atl_dd_atr_dd_avg_cor_correction_mean vs Slug
20000
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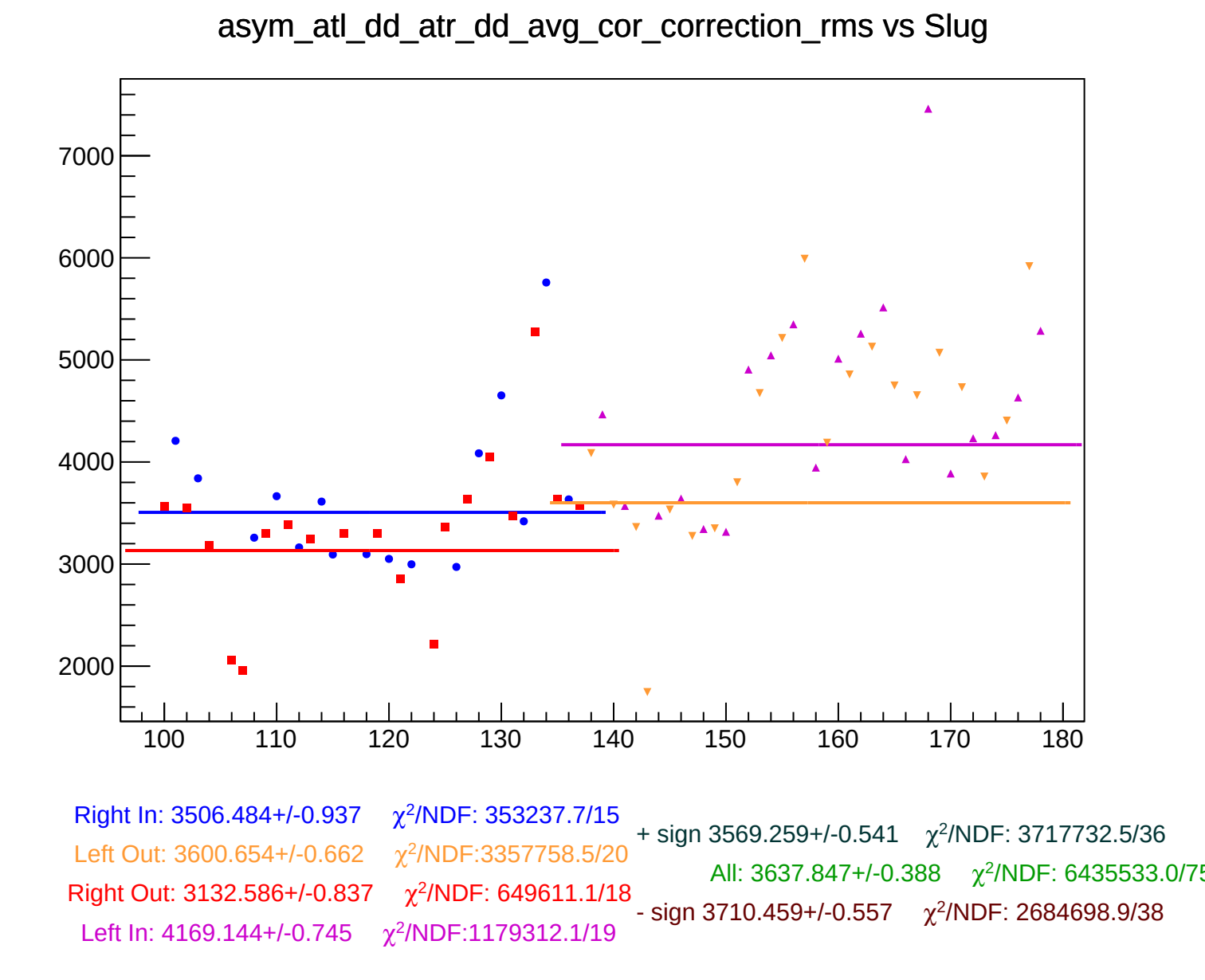
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -389.670+/-936.899 χ²/NDF:25.8/20
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 428.148+/-1054.118 χ²/NDF:12.2/19
+ sign 38.958+/-764.945 χ²/NDF: 40.5/36
All: 74.940+/-548.550 χ²/NDF: 71.5/75
- sign 113.033+/-787.061 χ²/NDF: 31.0/38


asym_atl_dd_atr_dd_avg_cor_correction_rms vs Slug
7000
6000
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3000
2000
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110
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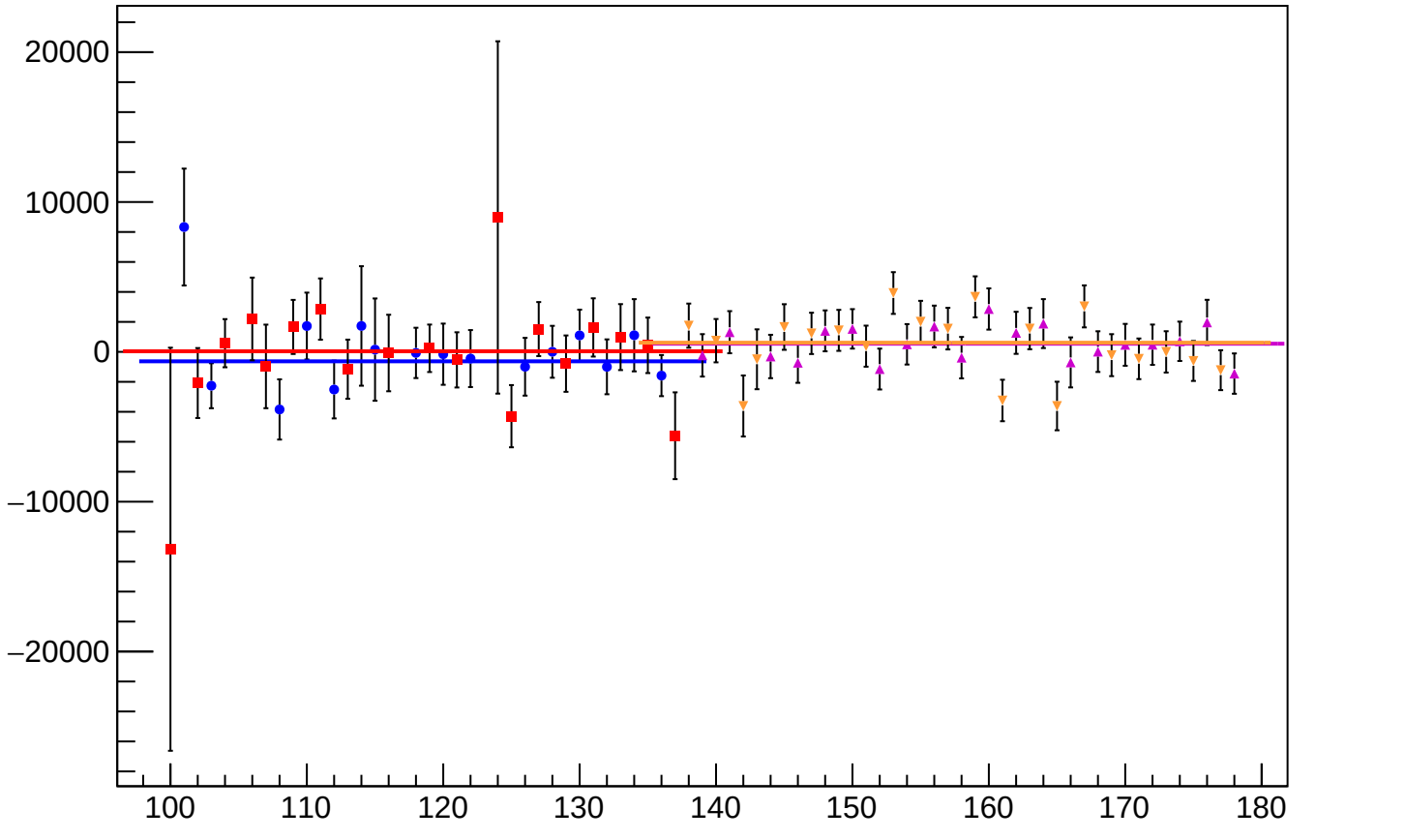
150
160
170
180
Right In: 3506.484+/-0.937 χ²/NDF: 353237.7/15
Left Out: 3600.654+/-0.662 χ²/NDF:3357758.5/20
Right Out: 3132.586+/-0.837 χ²/NDF: 649611.1/18
Left In: 4169.144+/-0.745 χ²/NDF:1179312.1/19
+ sign 3569.259+/-0.541 χ²/NDF: 3717732.5/36
All: 3637.847+/-0.388 χ²/NDF: 6435533.0/75
- sign 3710.459+/-0.557 χ²/NDF: 2684698.9/38



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 610.374+/-313.353 χ^2/NDF:40.3/20

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

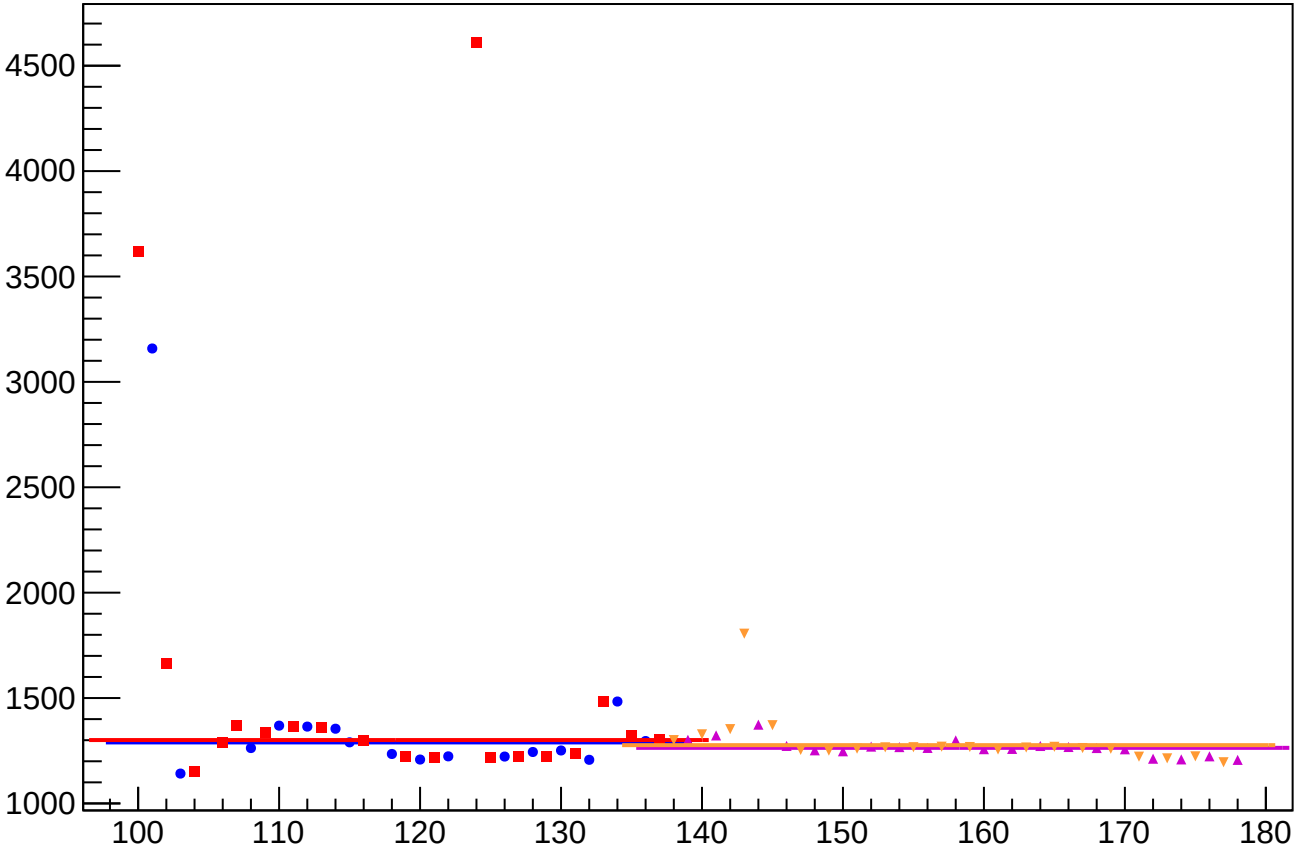
Left In: 542.923+/-312.722 χ^2/NDF:13.1/19

+ sign 248.536+/-263.779 χ^2/NDF: 58.8/36

All: 322.475+/-186.354 χ^2/NDF: 89.1/75

- sign 396.153+/-263.311 χ^2/NDF: 30.1/38

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: 1276.484+/-0.222 χ^2/NDF:174631.6/20

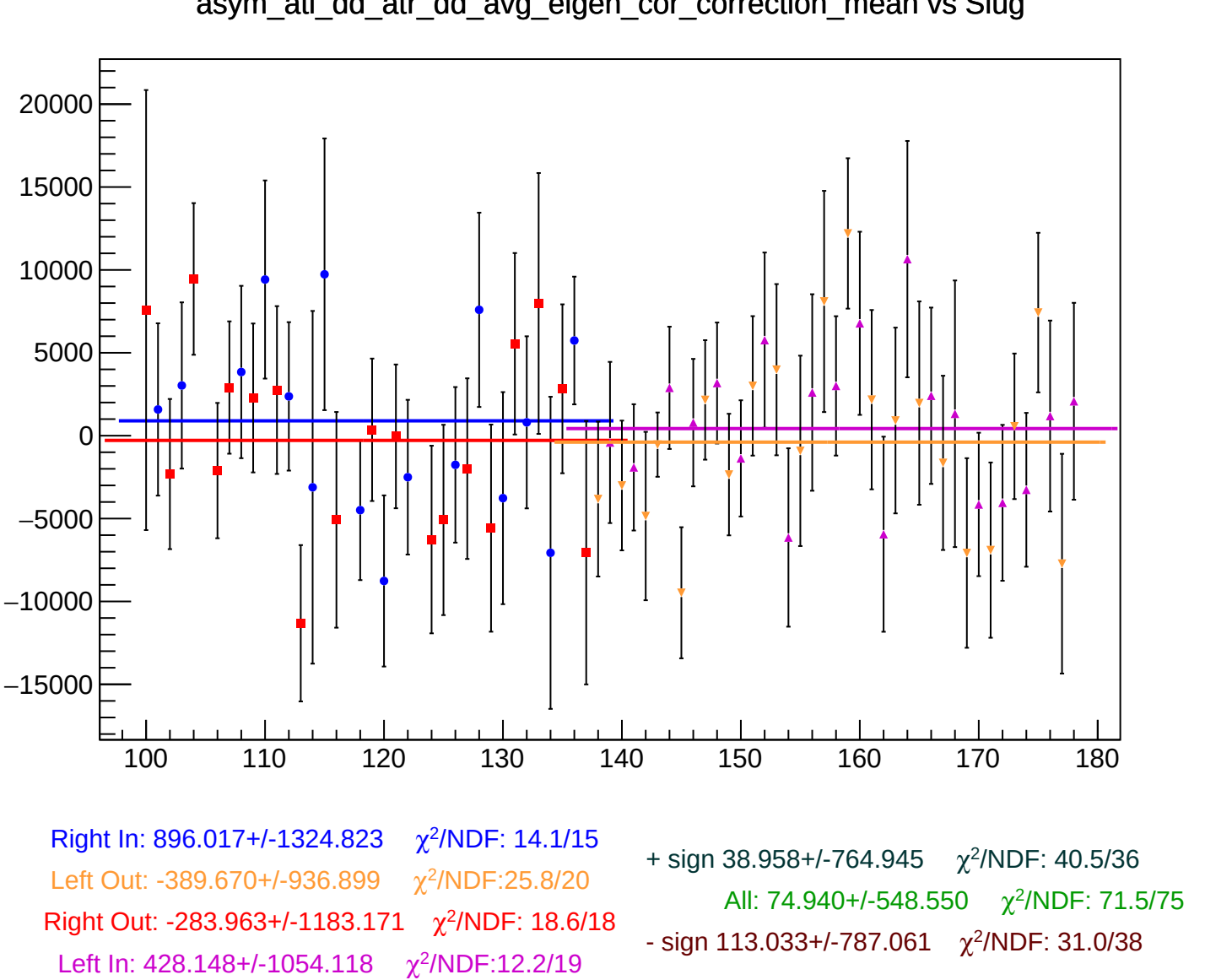
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1263.728+/-0.221 χ^2/NDF:30050.0/19

+ sign 1280.267+/-0.187 χ^2/NDF: 690308.3/36

All: 1277.383+/-0.132 χ^2/NDF: 1054893.4/75

- sign 1274.512+/-0.186 χ^2/NDF: 364107.9/38


asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug
20000
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−5000
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−15000
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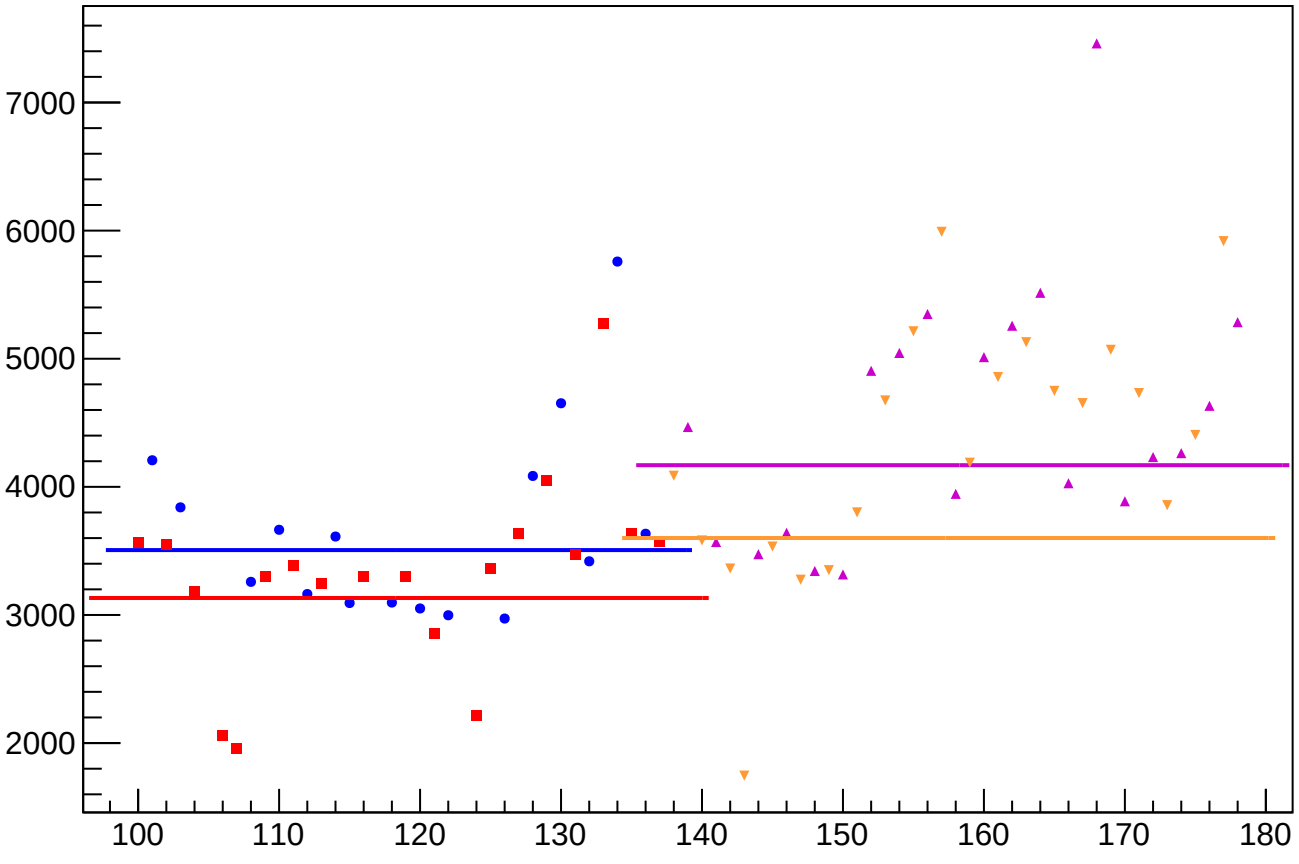
120
130
140
150
160
170
180
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -389.670+/-936.899 χ²/NDF:25.8/20
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 428.148+/-1054.118 χ²/NDF:12.2/19
+ sign 38.958+/-764.945 χ²/NDF: 40.5/36
All: 74.940+/-548.550 χ²/NDF: 71.5/75
- sign 113.033+/-787.061 χ²/NDF: 31.0/38



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3600.654+/-0.662 χ^2/NDF:3357758.5/20

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

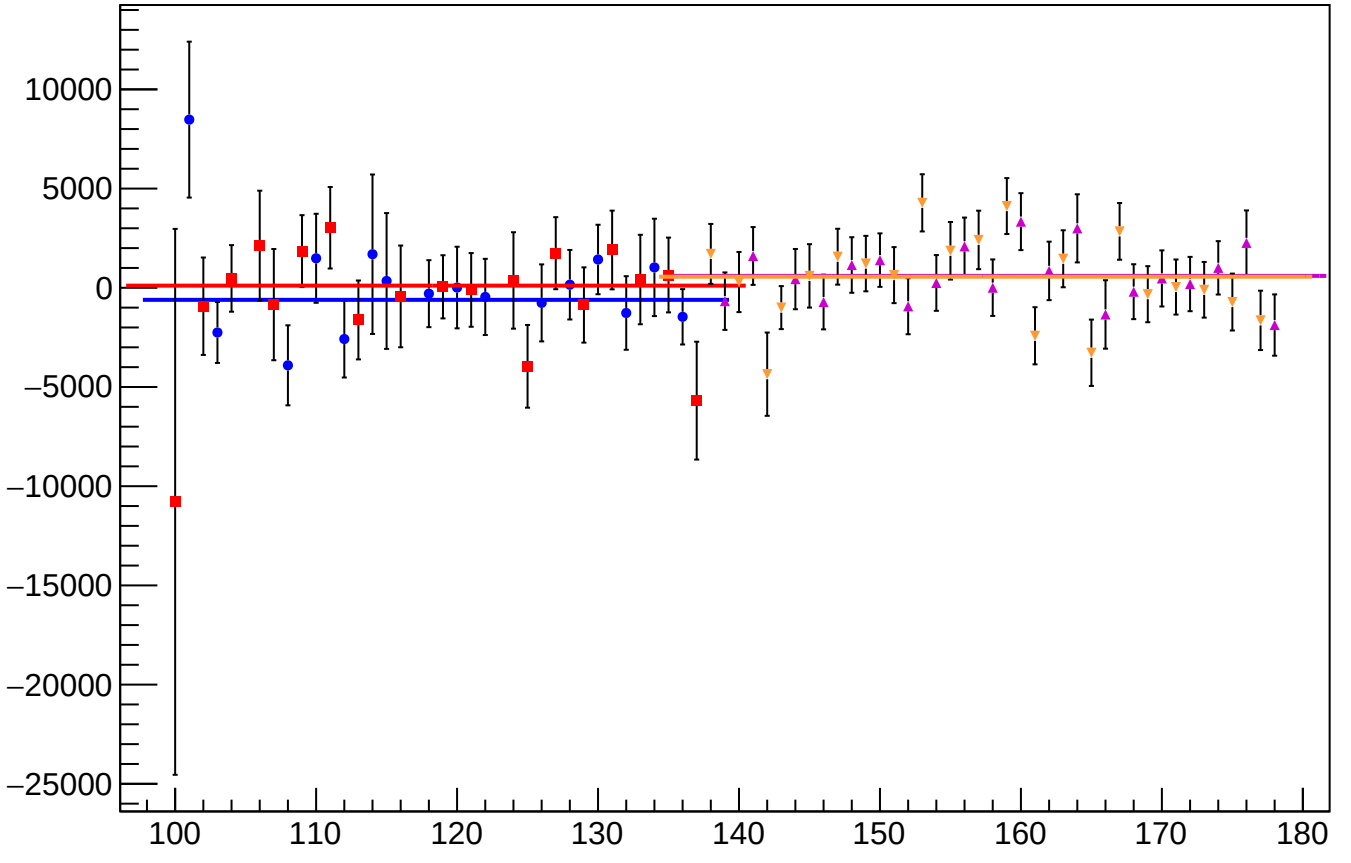
Left In: 4169.144+/-0.745 χ^2/NDF:1179312.1/19

+ sign 3569.259+/-0.541 χ^2/NDF: 3717732.5/36

All: 3637.847+/-0.388 χ^2/NDF: 6435533.0/75

- sign 3710.459+/-0.557 χ^2/NDF: 2684698.9/38

dit_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 559.036+/-315.347 χ^2/NDF:40.5/20

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

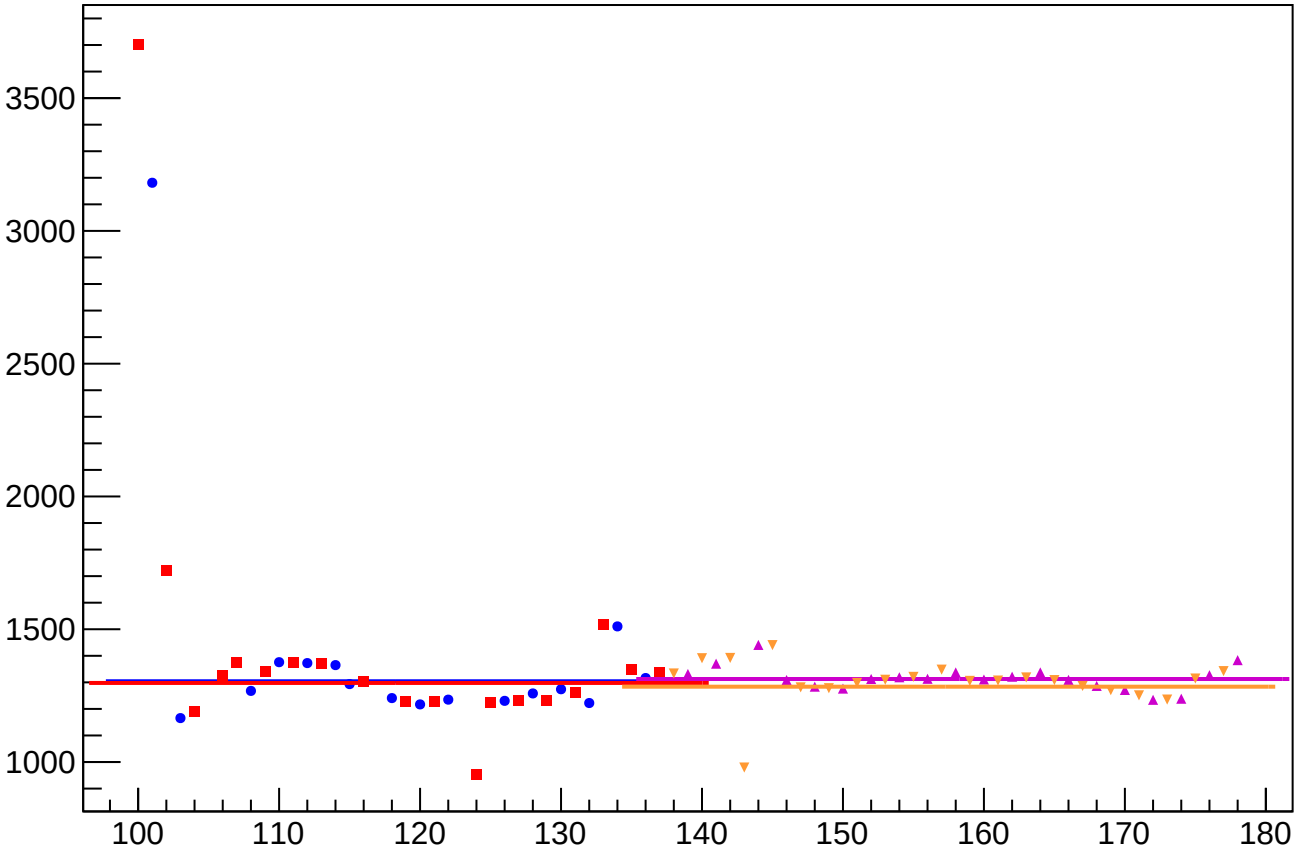
Left In: 599.425+/-324.930 χ^2/NDF:16.2/19

\+ sign 221.384+/-265.834 χ^2/NDF: 58.6/36

All: 332.722+/-189.443 χ^2/NDF: 90.7/75

\- sign 447.614+/-270.042 χ^2/NDF: 31.7/38

dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1283.699+/-0.223 χ^2/NDF:210710.5/20

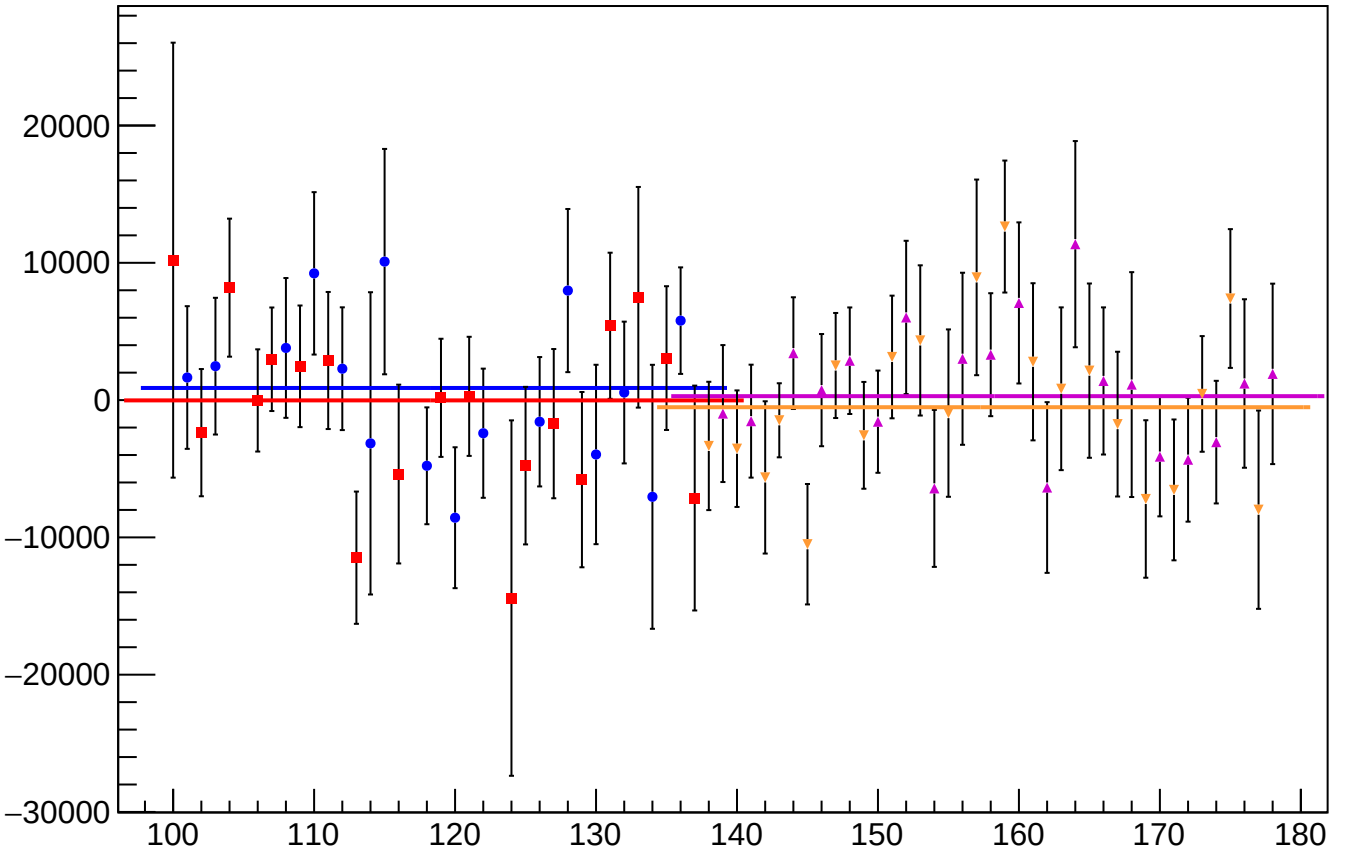
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1312.637+/-0.230 χ^2/NDF:40645.3/19

+ sign 1289.603+/-0.188 χ^2/NDF: 723722.7/36

All: 1298.680+/-0.134 χ^2/NDF: 983493.4/75

- sign 1308.042+/-0.191 χ^2/NDF: 255034.0/38



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -517.647+/-1034.802 χ^2/NDF:25.6/20

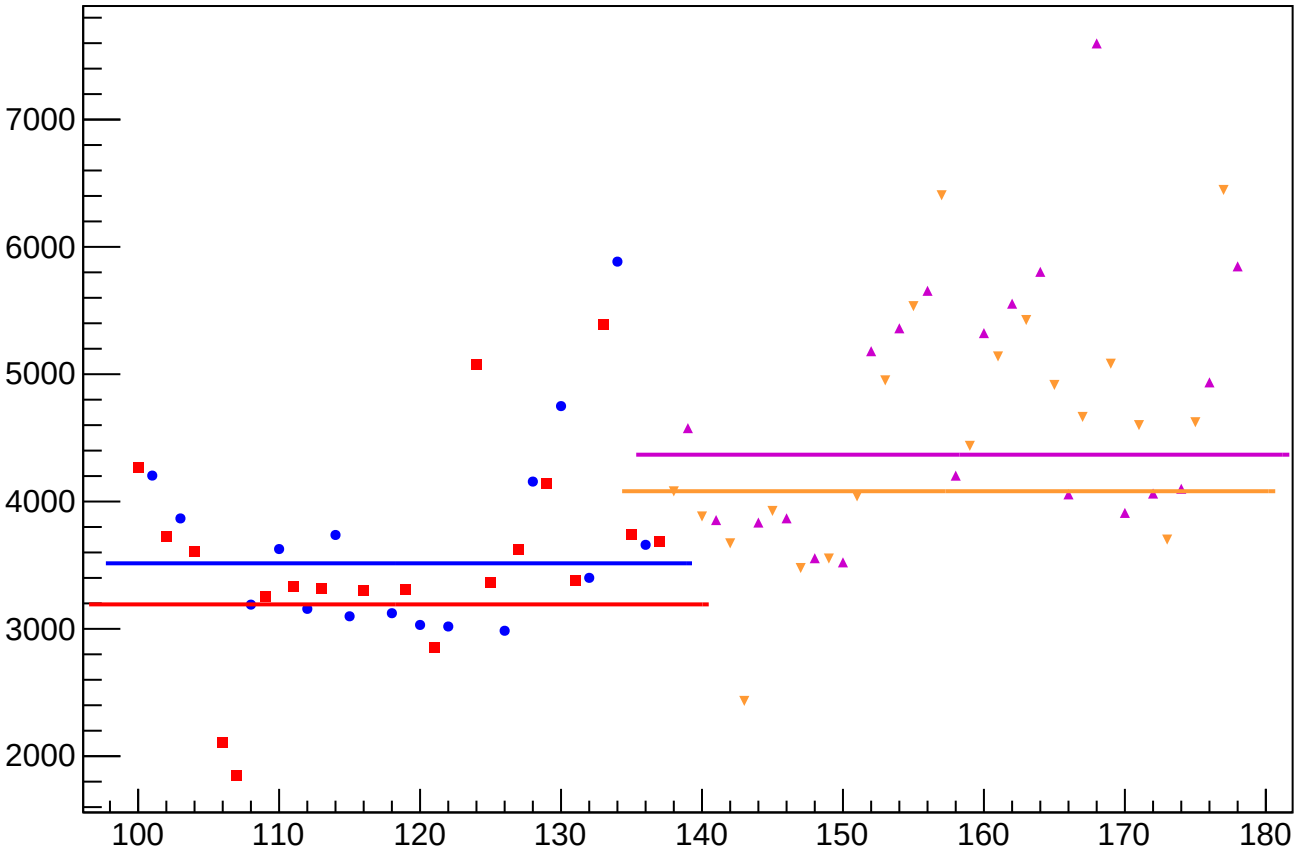
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 287.074+/-1104.132 χ^2/NDF:12.1/19

+ sign 12.205+/-816.114 χ^2/NDF: 40.4/36

All: 79.388+/-575.807 χ^2/NDF: 69.3/75

- sign 145.981+/-812.525 χ^2/NDF: 28.9/38



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4081.017+/-0.732 χ^2/NDF:1803960.9/20

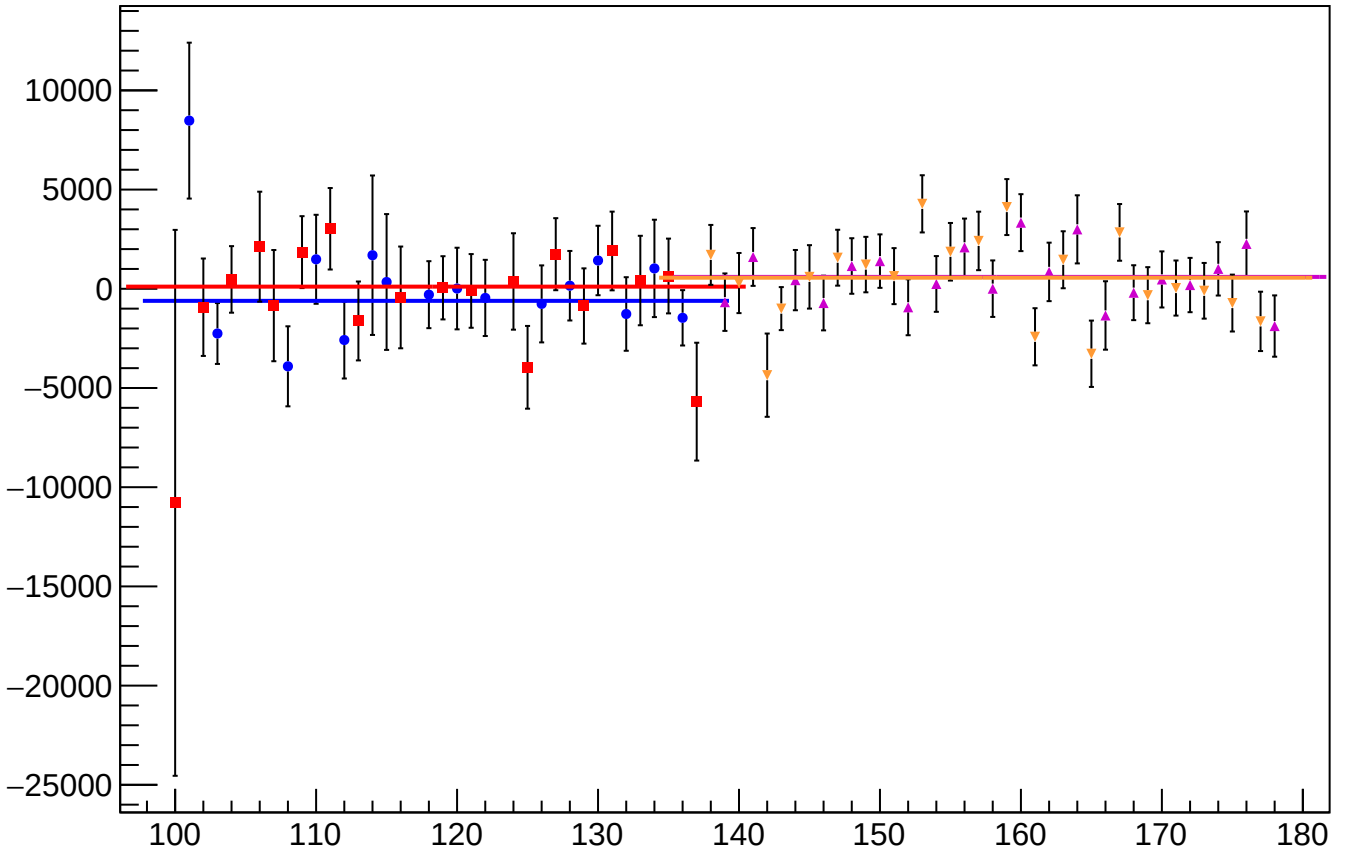
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4367.880+/-0.781 χ^2/NDF:1153249.4/19

+ sign 3866.963+/-0.577 χ^2/NDF: 2405432.3/36

All: 3847.838+/-0.407 χ^2/NDF: 5372958.0/75

- sign 3828.880+/-0.575 χ^2/NDF: 2965338.6/38



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 559.039+/-315.347 χ^2/NDF:40.5/20

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

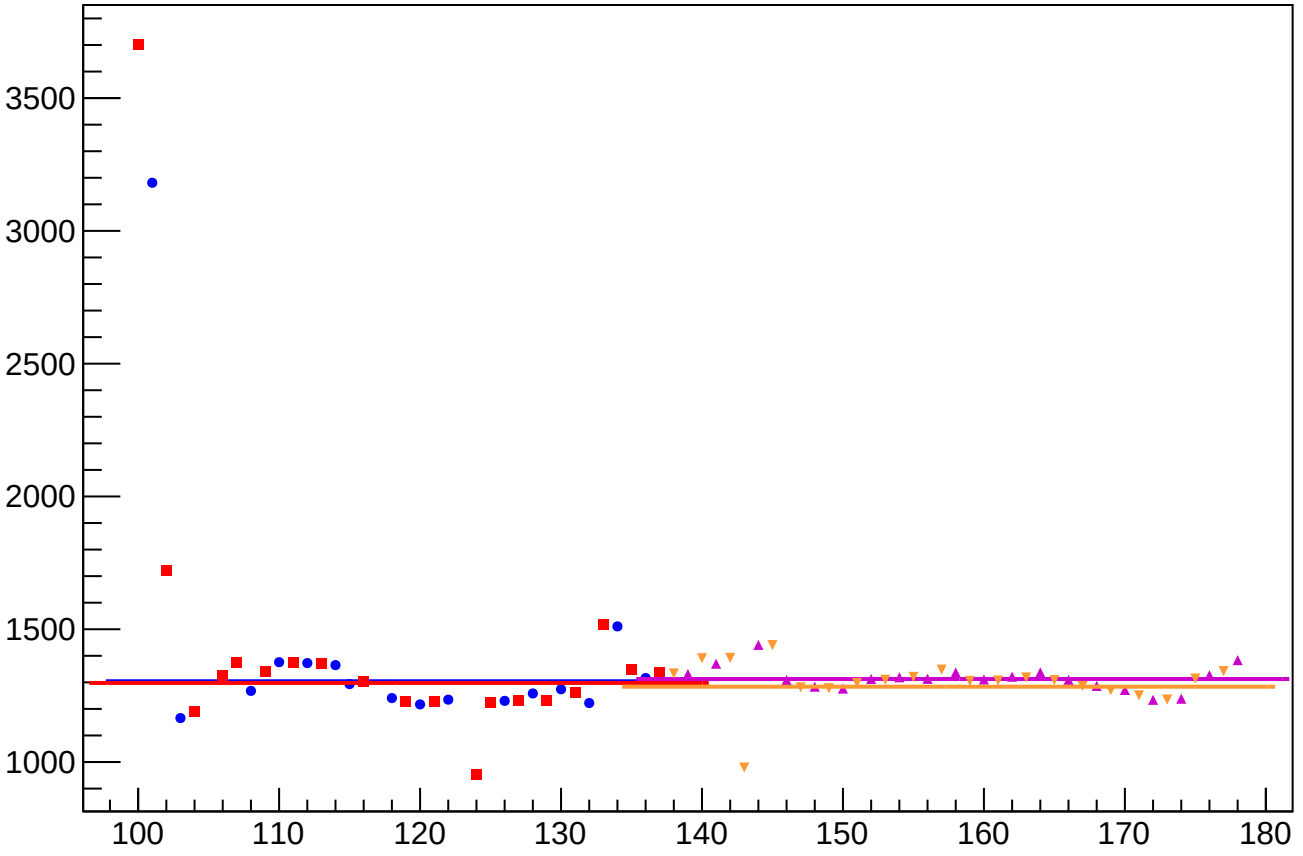
Left In: 599.428+/-324.930 χ^2/NDF:16.2/19

\+ sign 221.385+/-265.834 χ^2/NDF: 58.6/36

All: 332.724+/-189.444 χ^2/NDF: 90.7/75

\- sign 447.616+/-270.042 χ^2/NDF: 31.7/38

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: 1283.700+/-0.223 χ^2/NDF:210712.2/20

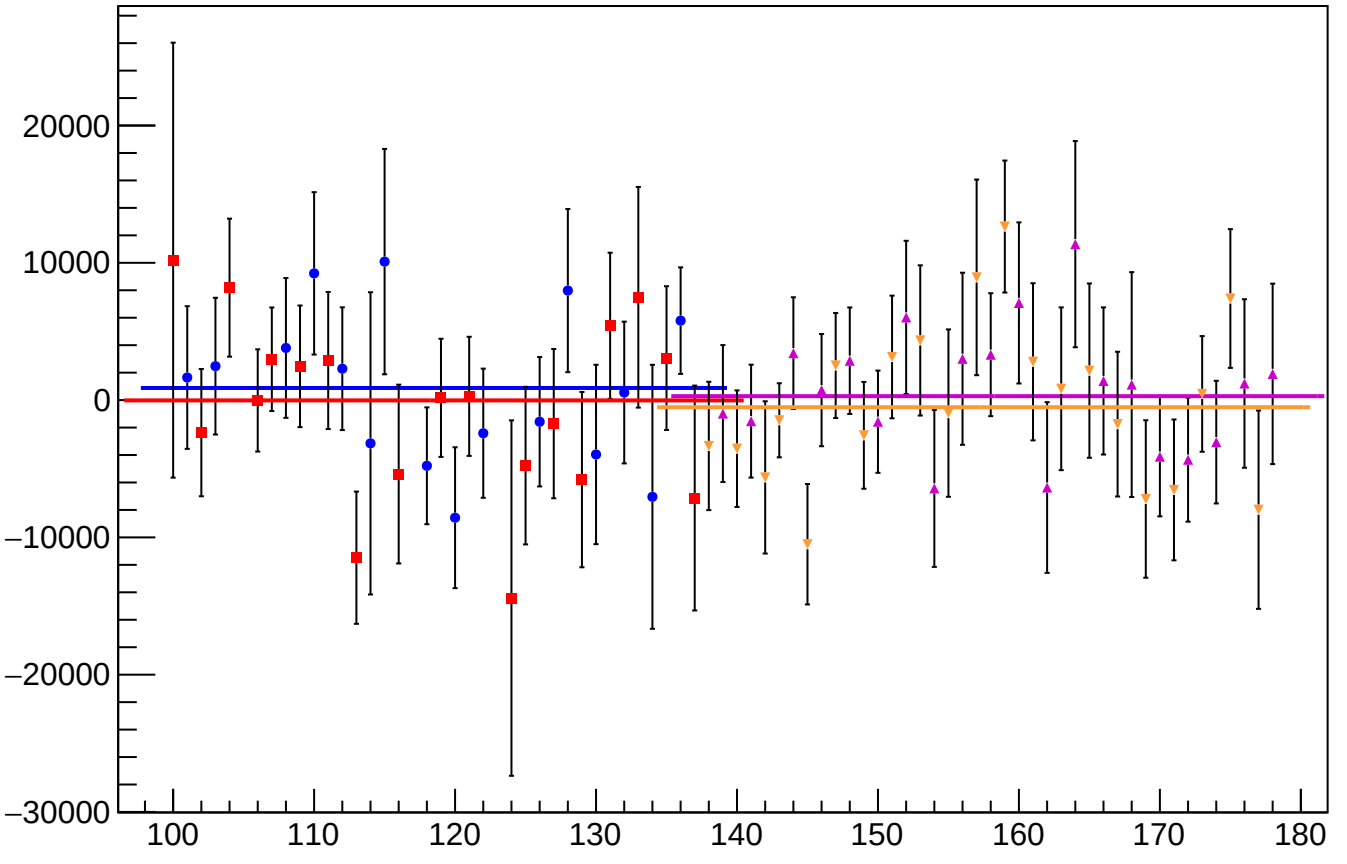
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1312.638+/-0.230 χ^2/NDF:40647.2/19

+ sign 1289.603+/-0.188 χ^2/NDF: 723724.3/36

All: 1298.680+/-0.134 χ^2/NDF: 983497.2/75

- sign 1308.042+/-0.191 χ^2/NDF: 255036.2/38



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -517.645+/-1034.804 χ^2/NDF:25.6/20

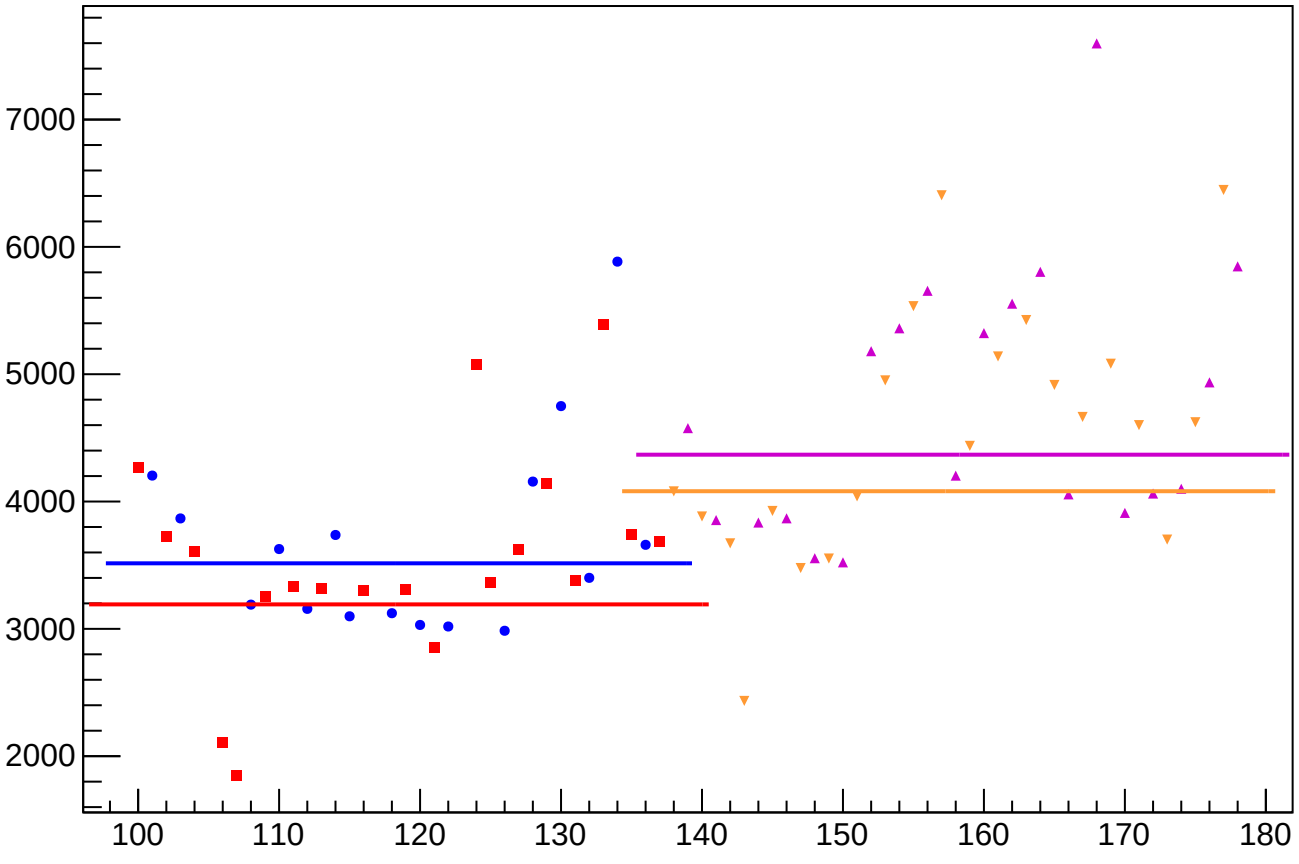
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 287.074+/-1104.134 χ^2/NDF:12.1/19

\+ sign 12.205+/-816.114 χ^2/NDF: 40.4/36

All: 79.389+/-575.807 χ^2/NDF: 69.3/75

\- sign 145.982+/-812.525 χ^2/NDF: 28.9/38



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4081.023+/-0.732 χ^2/NDF:1803962.4/20

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

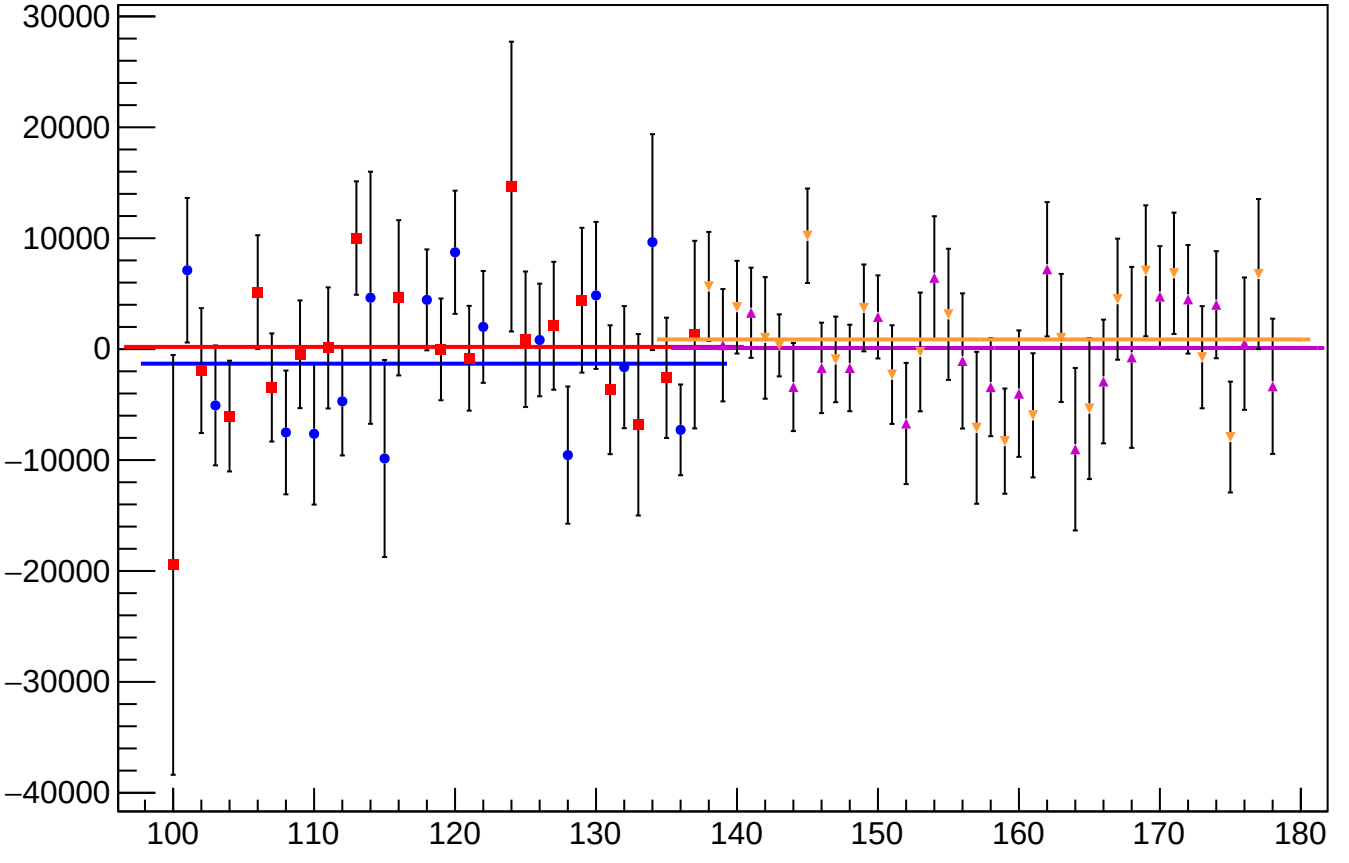
Left In: 4367.886+/-0.781 χ^2/NDF:1153252.5/19

+ sign 3866.963+/-0.577 χ^2/NDF: 2405450.9/36

All: 3847.836+/-0.407 χ^2/NDF: 5373008.8/75

- sign 3828.878+/-0.575 χ^2/NDF: 2965370.6/38

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 874.387+/-1043.434 χ^2/NDF:22.0/20

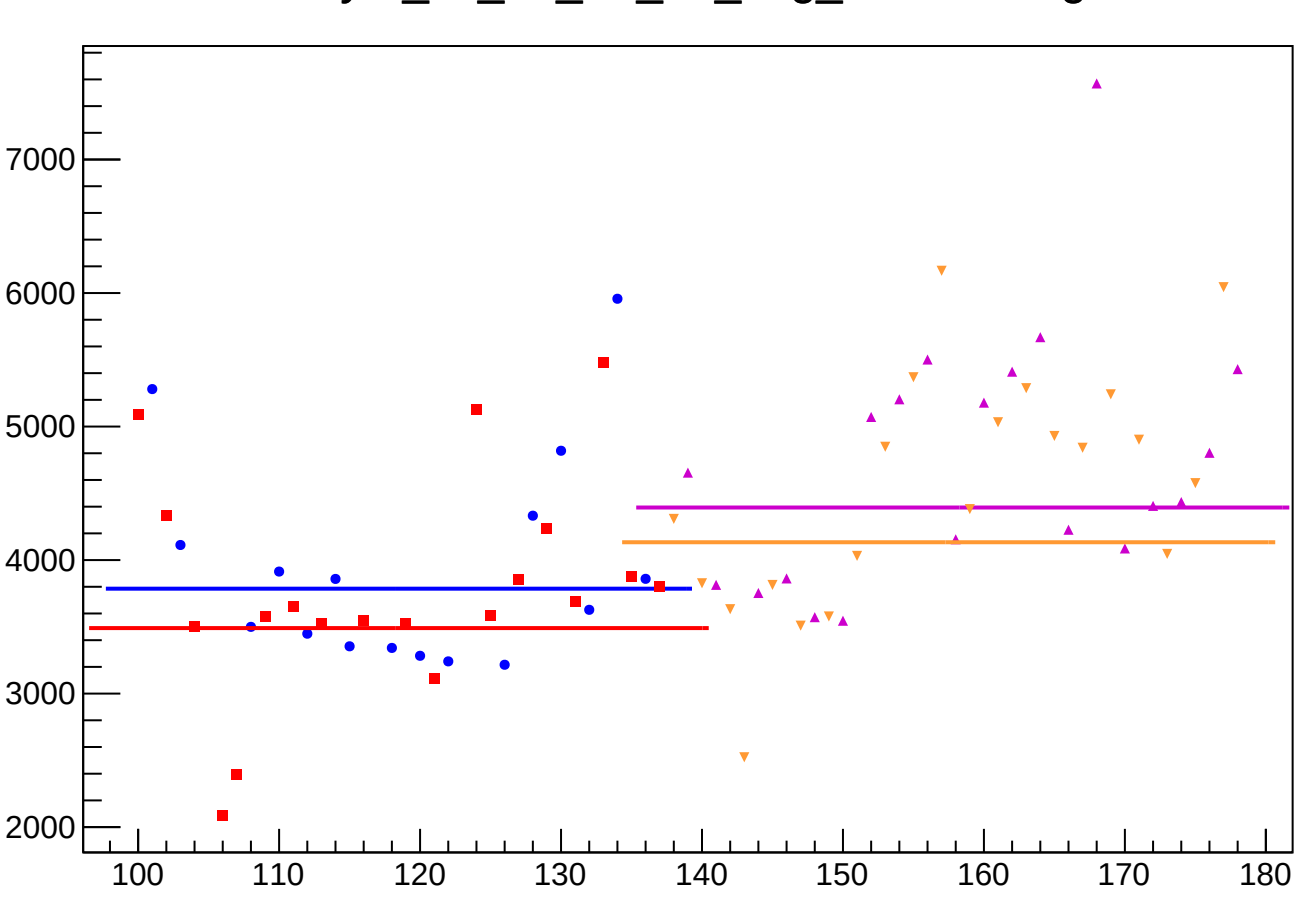
Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 102.716+/-1107.223 χ^2/NDF:12.5/19

\+ sign 116.795+/-843.231 χ^2/NDF: 41.1/36

All: 129.741+/-599.512 χ^2/NDF: 65.2/75

\- sign 142.974+/-852.523 χ^2/NDF: 24.1/38



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4133.516+/-0.738 χ^2/NDF:1585866.2/20

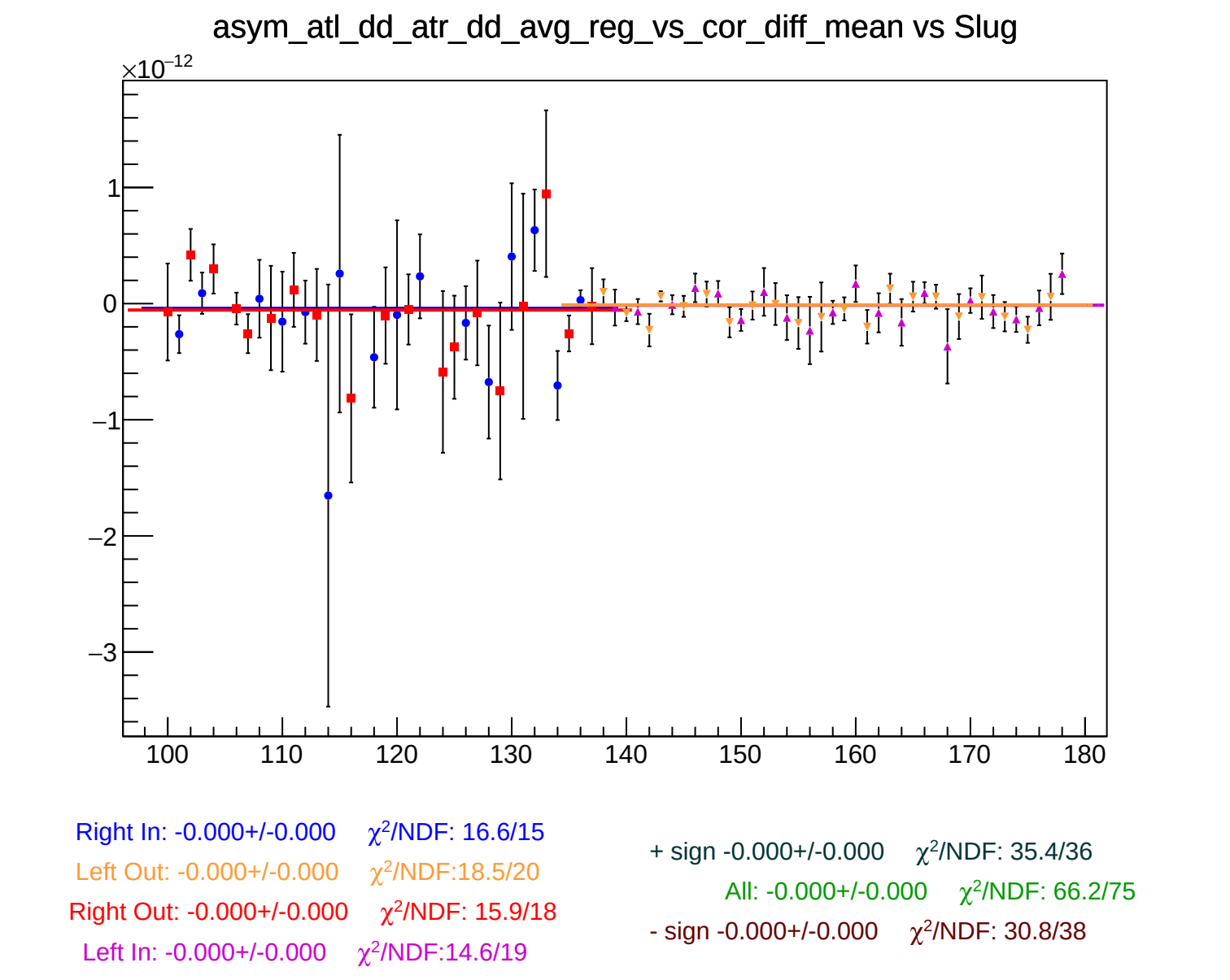
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4393.657+/-0.783 χ^2/NDF:1004815.9/19

+ sign 4012.874+/-0.596 χ^2/NDF: 2045923.8/36

All: 4016.408+/-0.423 χ^2/NDF: 4188035.1/75

- sign 4019.981+/-0.599 χ^2/NDF: 2142040.7/38


asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs Slug
×10⁻¹²
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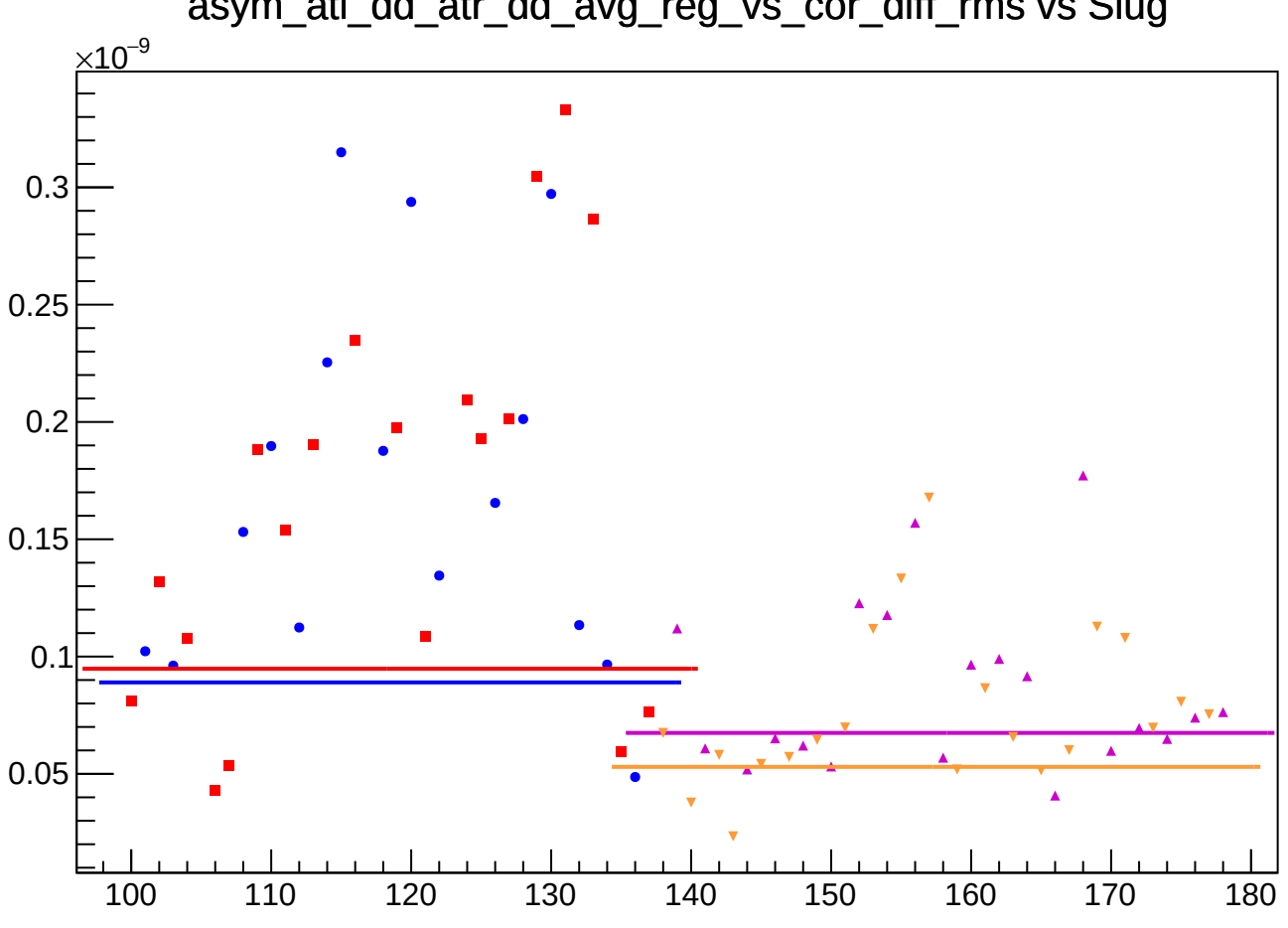
−1
−2
−3
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: -0.000+/-0.000 χ²/NDF:18.5/20
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: -0.000+/-0.000 χ²/NDF:14.6/19
+ sign -0.000+/-0.000 χ²/NDF: 35.4/36
All: -0.000+/-0.000 χ²/NDF: 66.2/75
- sign -0.000+/-0.000 χ²/NDF: 30.8/38



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2547856.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

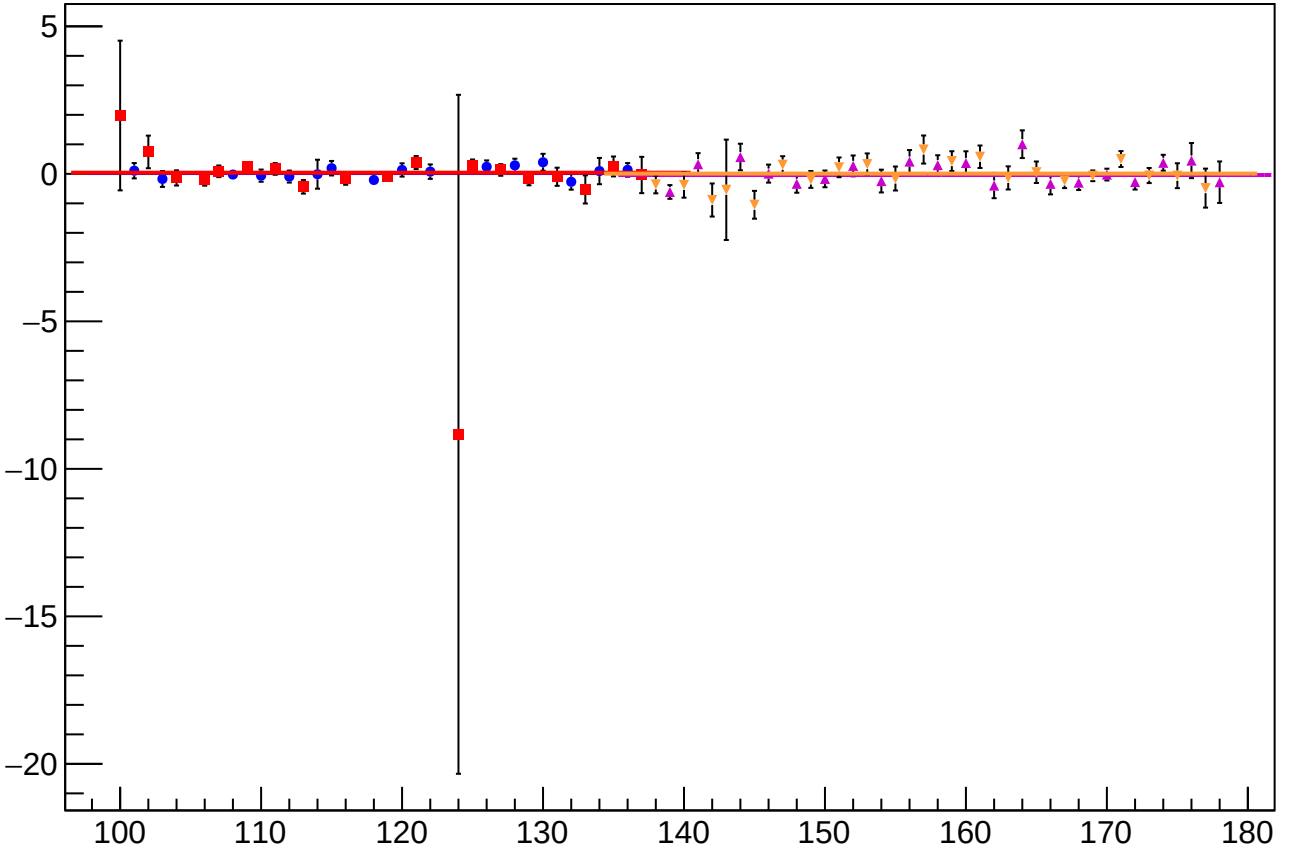
Left In: 0.000+/-0.000 χ^2/NDF:1385441.0/19

+ sign 0.000+/-0.000 χ^2/NDF: 4652643.2/36

All: 0.000+/-0.000 χ^2/NDF: 8425864.5/75

- sign 0.000+/-0.000 χ^2/NDF: 3424991.4/38

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: 0.008+/-0.073 χ^2/NDF:24.8/20

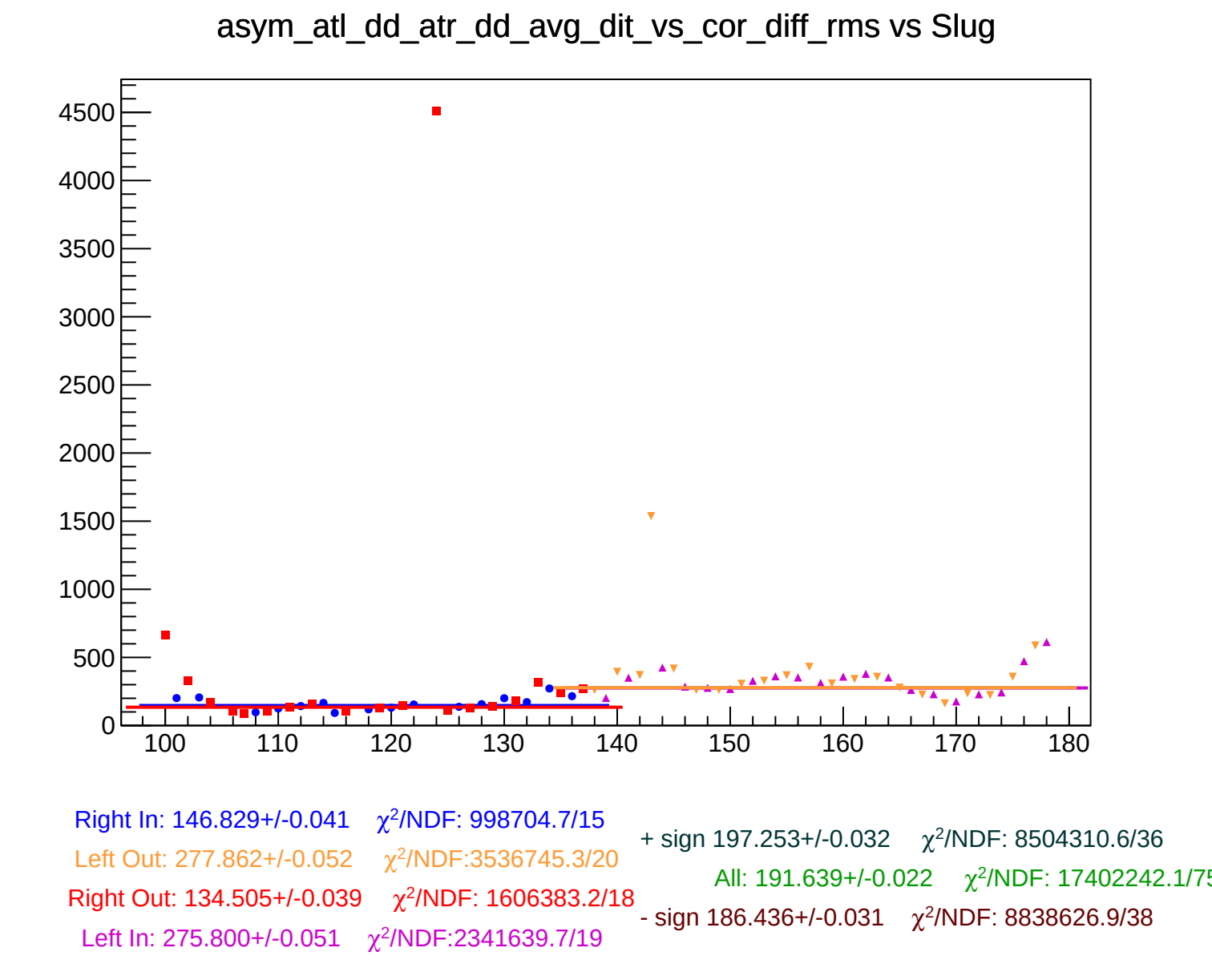
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

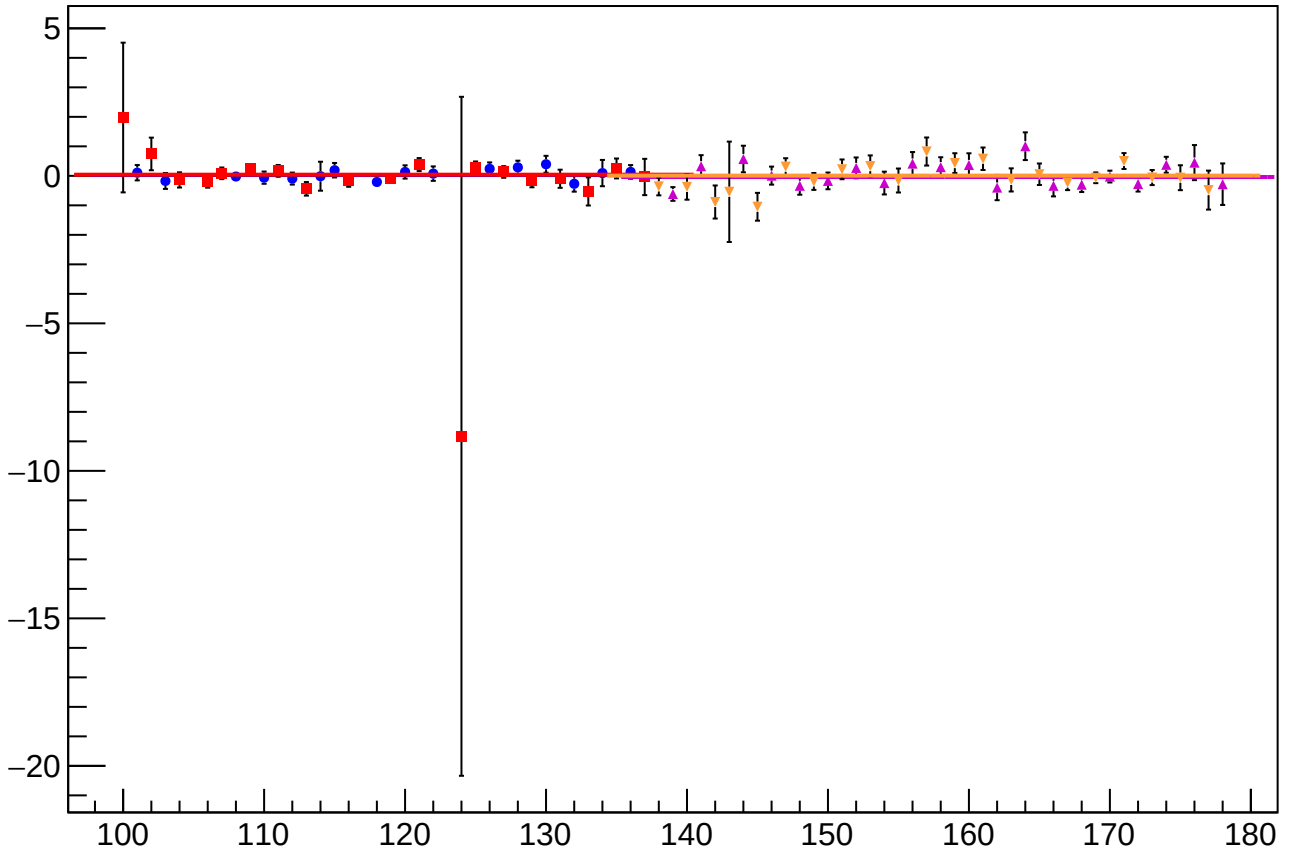
Left In: -0.040+/-0.072 χ^2/NDF:26.0/19

+ sign 0.020+/-0.045 χ^2/NDF: 34.3/36

All: 0.015+/-0.031 χ^2/NDF: 81.1/75

- sign 0.010+/-0.044 χ^2/NDF: 46.7/38


asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
110
120
130
140
150
160
170
180
Right In: 146.829+/-0.041 χ²/NDF: 998704.7/15
Left Out: 277.862+/-0.052 χ²/NDF:3536745.3/20
Right Out: 134.505+/-0.039 χ²/NDF: 1606383.2/18
Left In: 275.800+/-0.051 χ²/NDF:2341639.7/19
+ sign 197.253+/-0.032 χ²/NDF: 8504310.6/36
All: 191.639+/-0.022 χ²/NDF: 17402242.1/75
- sign 186.436+/-0.031 χ²/NDF: 8838626.9/38



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.008+/-0.073 χ^2/NDF:24.8/20

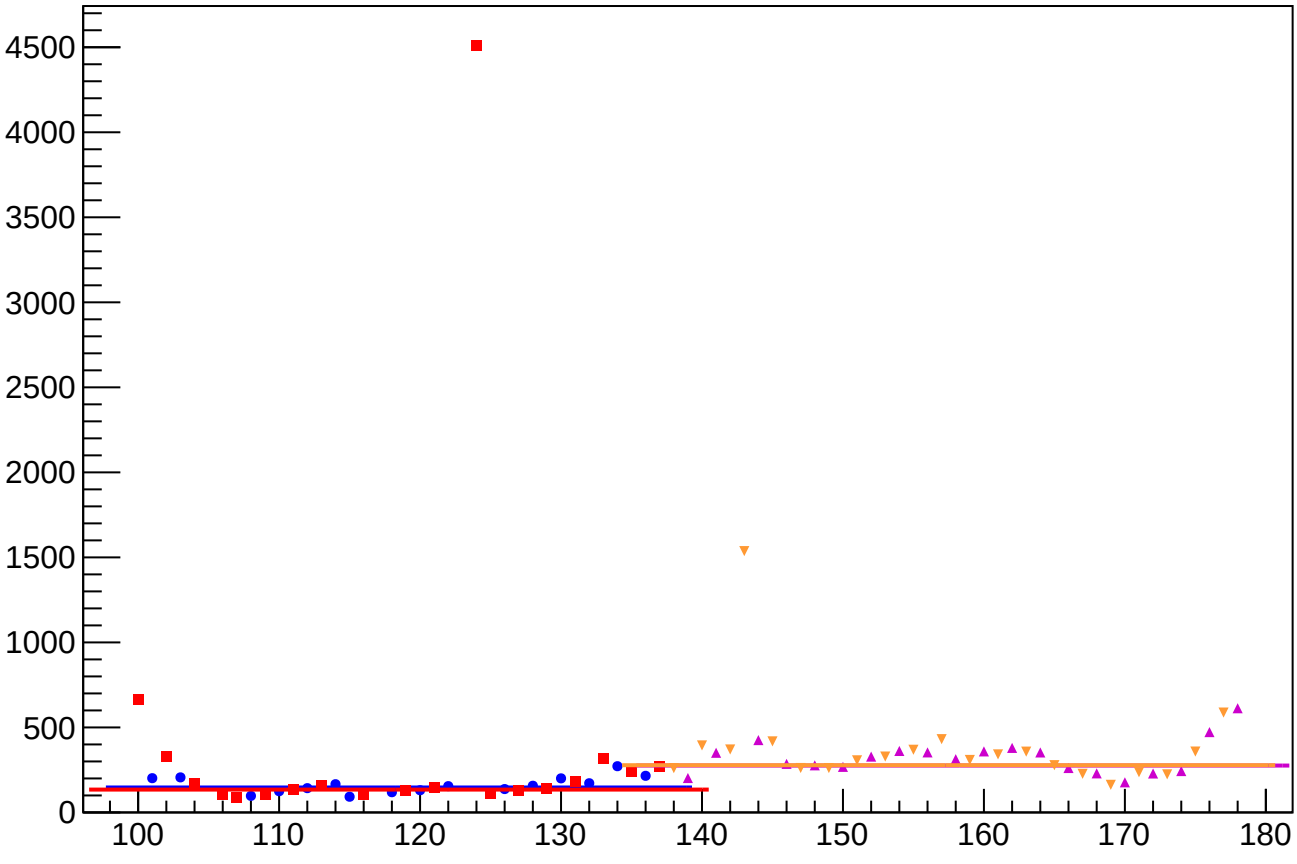
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.040+/-0.072 χ^2/NDF:26.0/19

+ sign 0.020+/-0.045 χ^2/NDF: 34.3/36

All: 0.015+/-0.031 χ^2/NDF: 81.1/75

- sign 0.010+/-0.044 χ^2/NDF: 46.7/38



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 277.862+/-0.052 χ^2/NDF:3536745.3/20

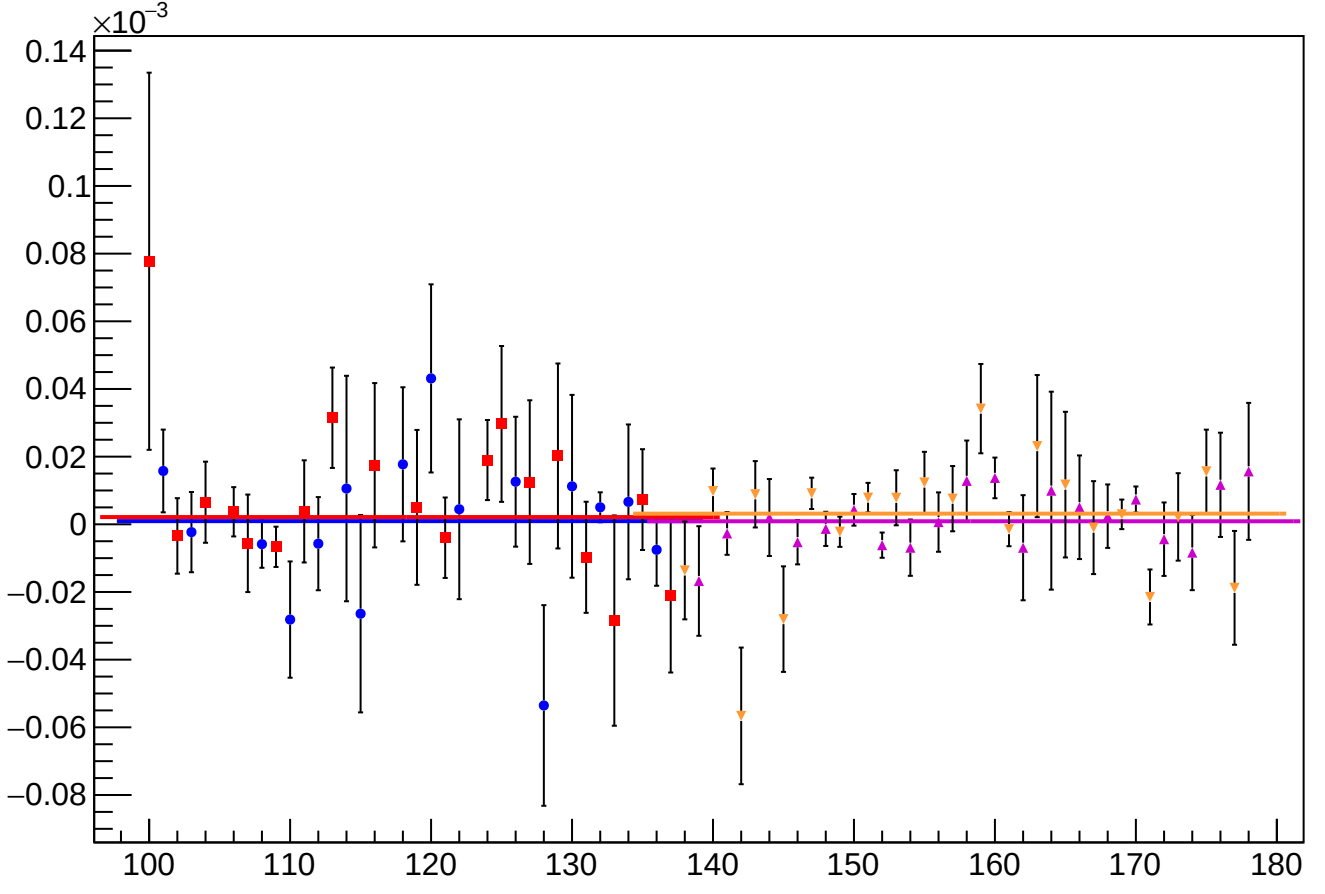
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 275.800+/-0.051 χ^2/NDF:2341639.7/19

+ sign 197.253+/-0.032 χ^2/NDF: 8504310.6/36

All: 191.639+/-0.022 χ^2/NDF: 17402242.1/75

- sign 186.436+/-0.031 χ^2/NDF: 8838626.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:40.7/20

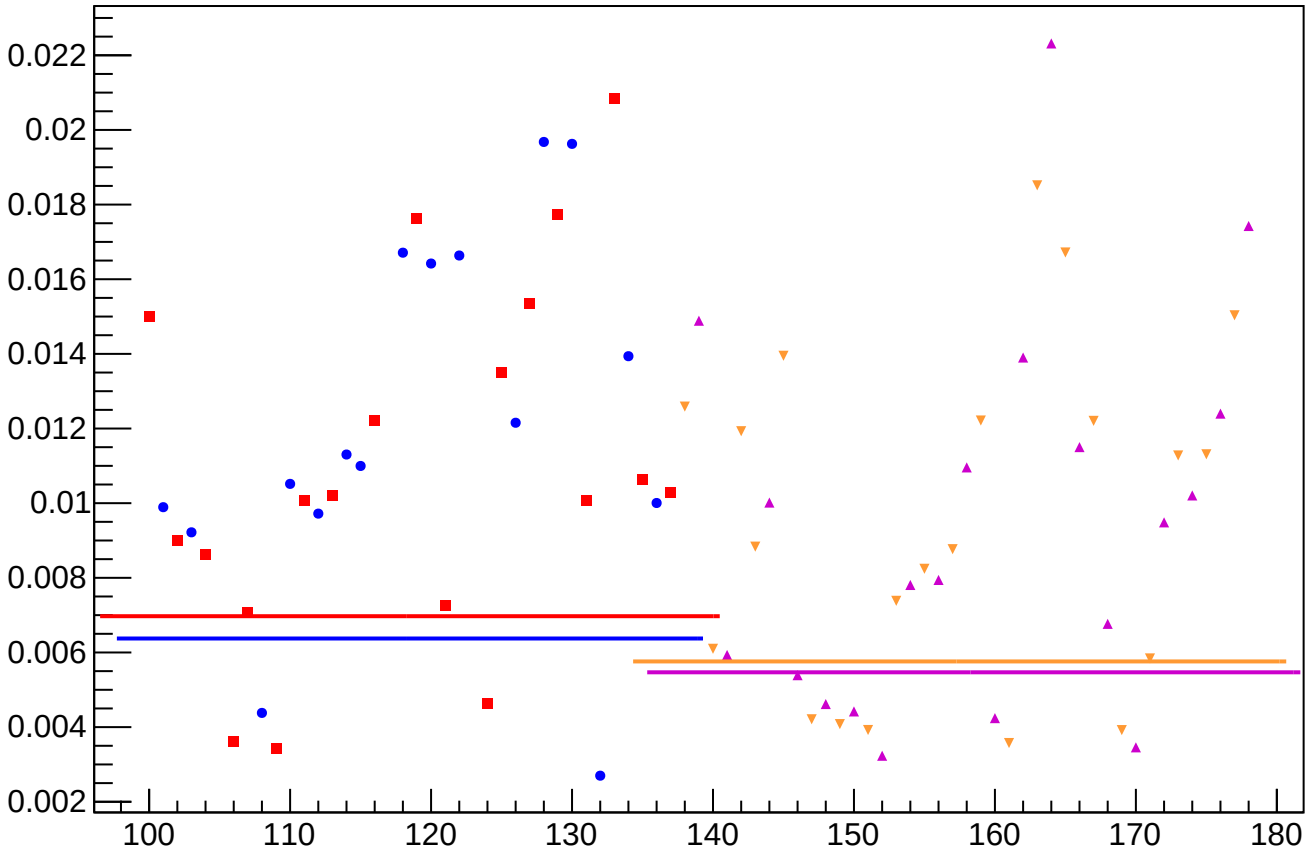
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:18.3/19

+ sign 0.000+/-0.000 χ^2/NDF: 56.0/36

All: 0.000+/-0.000 χ^2/NDF: 91.1/75

- sign 0.000+/-0.000 χ^2/NDF: 34.5/38



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:6952917.2/20

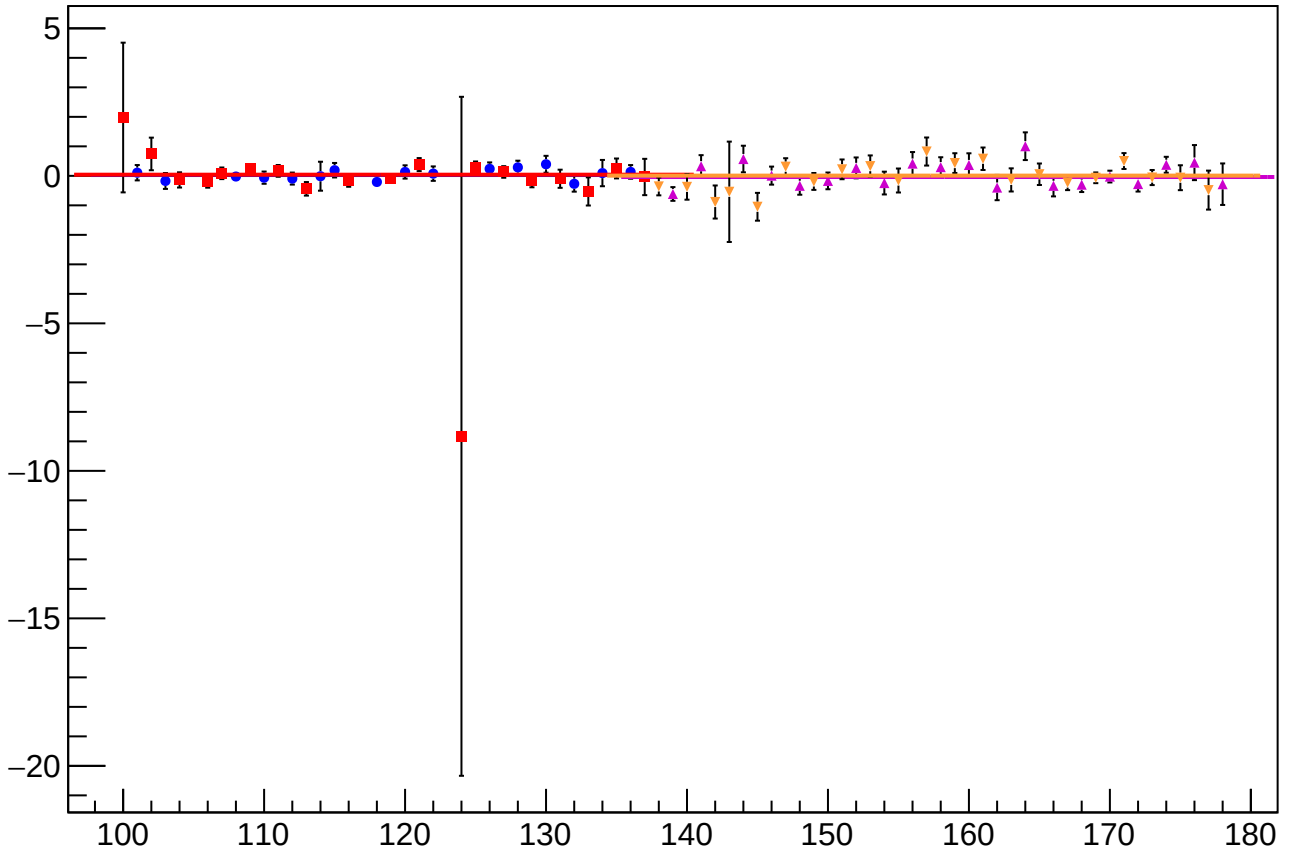
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:6595169.1/19

+ sign 0.006+/-0.000 χ^2/NDF: 11659665.8/36

All: 0.006+/-0.000 χ^2/NDF: 22058554.1/75

- sign 0.006+/-0.000 χ^2/NDF: 10393129.8/38



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.008+/-0.073 χ^2/NDF:24.8/20

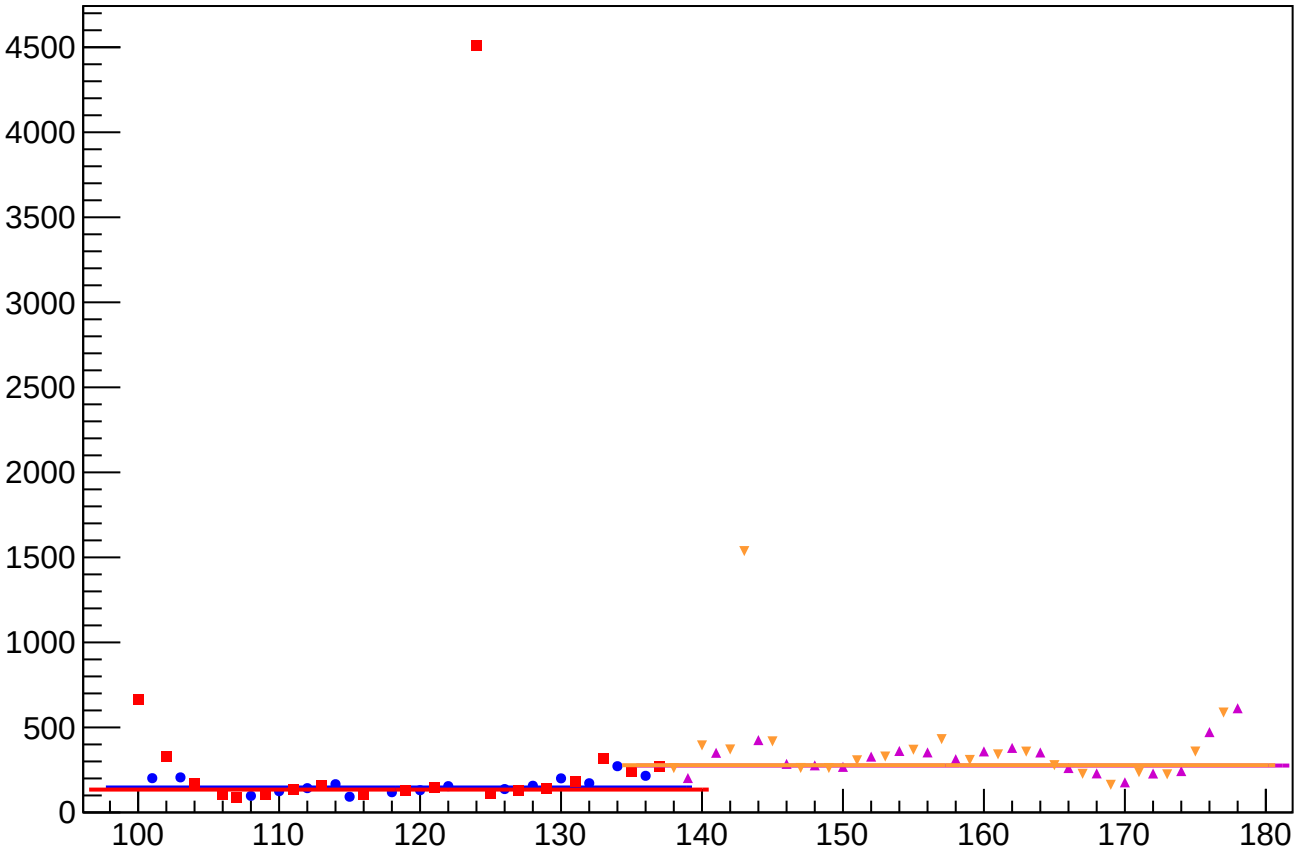
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.040+/-0.072 χ^2/NDF:26.0/19

+ sign 0.020+/-0.045 χ^2/NDF: 34.3/36

All: 0.015+/-0.031 χ^2/NDF: 81.1/75

- sign 0.010+/-0.044 χ^2/NDF: 46.7/38



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 277.862+/-0.052 χ^2/NDF:3536897.0/20

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

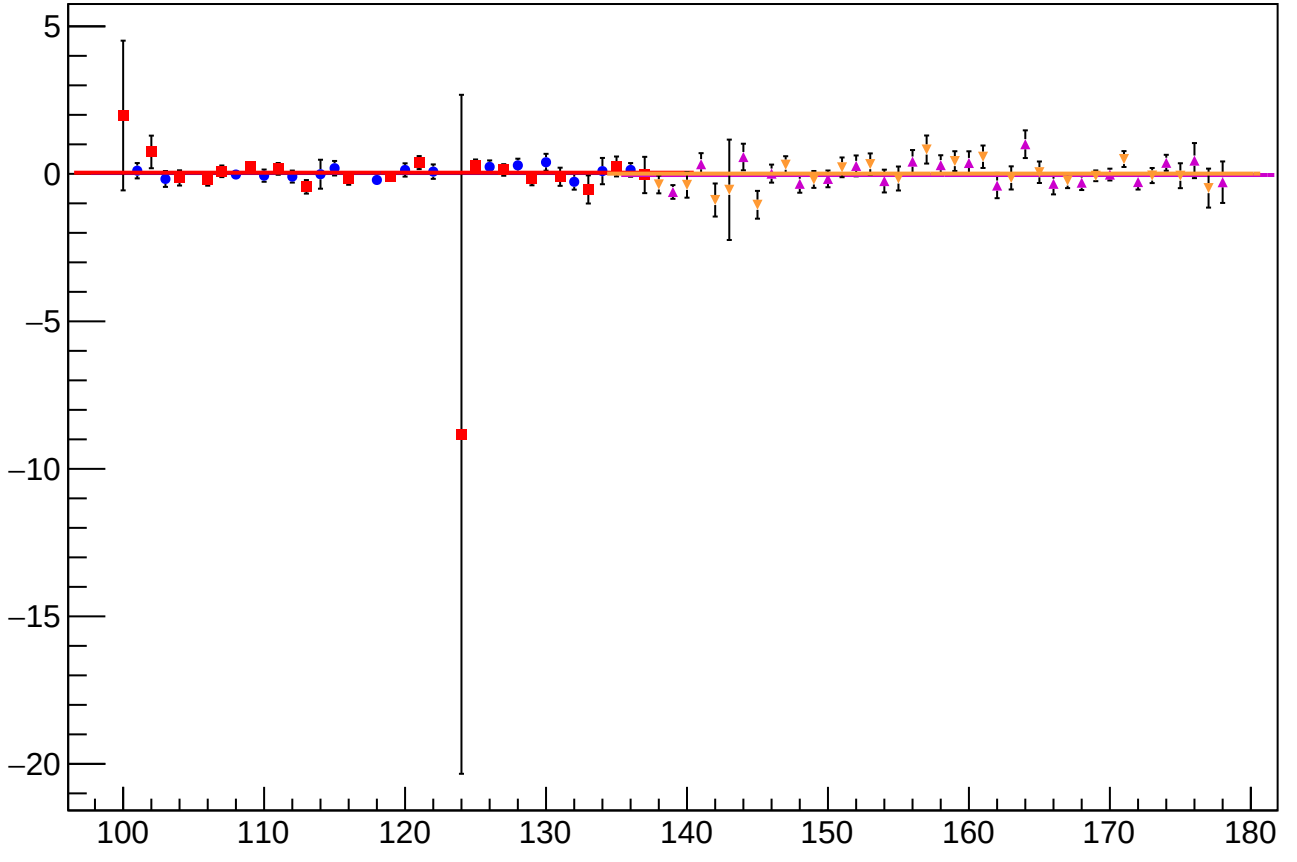
Left In: 275.802+/-0.051 χ^2/NDF:2341728.8/19

+ sign 197.253+/-0.032 χ^2/NDF: 8504402.2/36

All: 191.639+/-0.022 χ^2/NDF: 17402277.1/75

- sign 186.438+/-0.031 χ^2/NDF: 8838588.6/38

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.008+/-0.073 χ^2/NDF:24.8/20

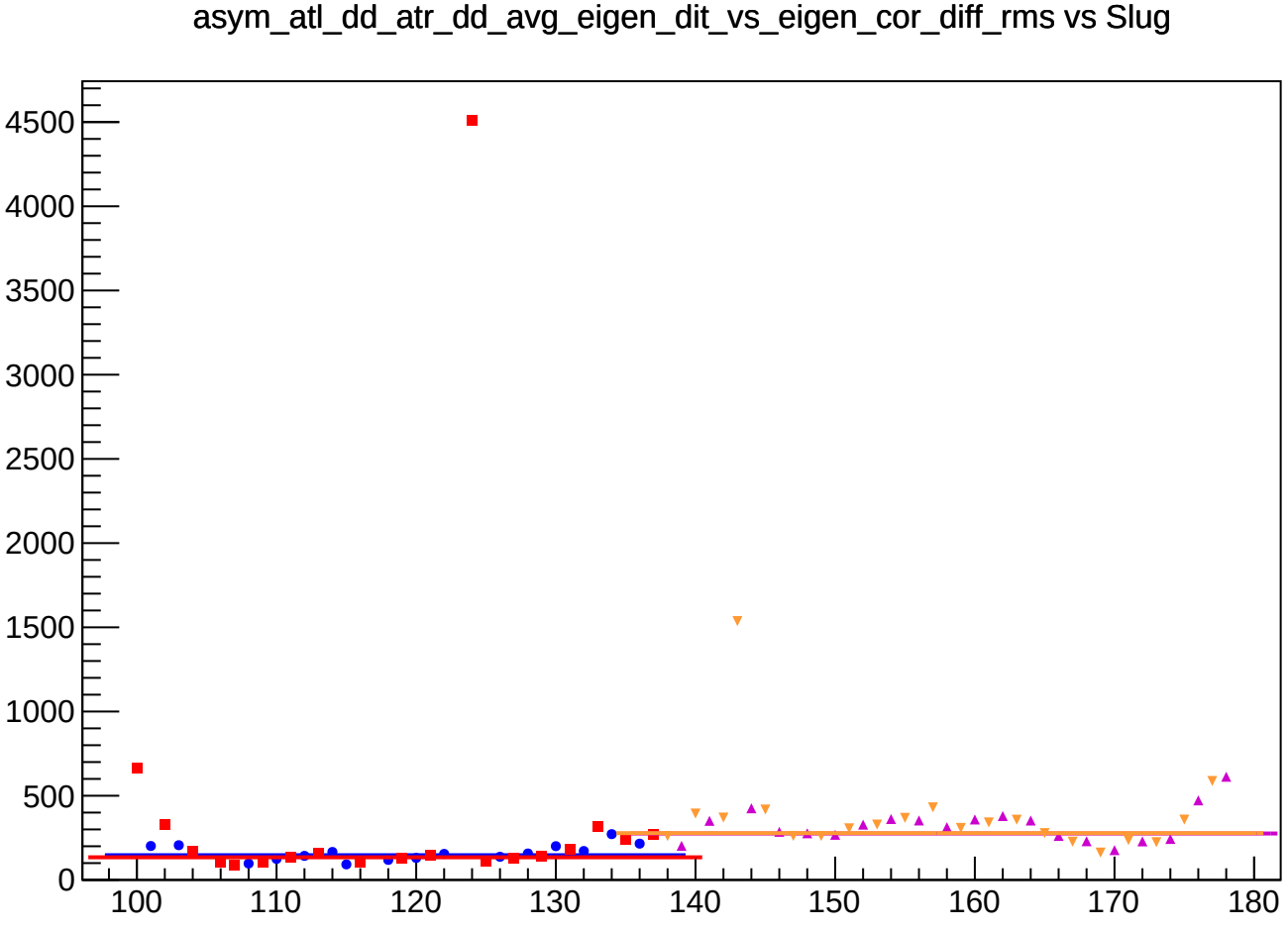
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

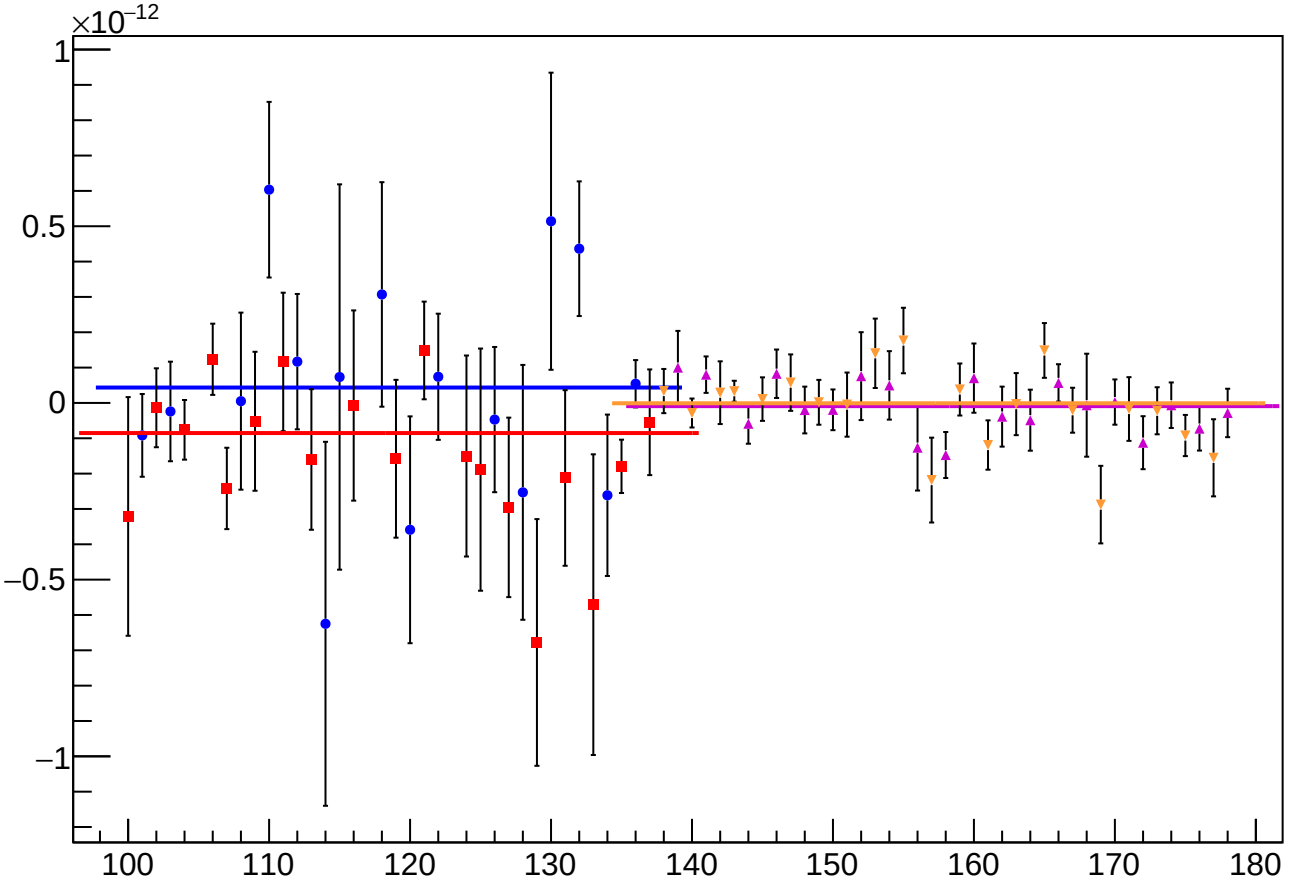
Left In: -0.040+/-0.072 χ^2/NDF:26.0/19

+ sign 0.020+/-0.045 χ^2/NDF: 34.3/36

All: 0.015+/-0.031 χ^2/NDF: 81.1/75

- sign 0.010+/-0.044 χ^2/NDF: 46.7/38


asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
110
120
130
140
150
160
170
180
Right In: 146.829+/-0.041 χ²/NDF: 998646.8/15
Left Out: 277.862+/-0.052 χ²/NDF:3536897.0/20
Right Out: 134.506+/-0.039 χ²/NDF: 1606310.4/18
Left In: 275.802+/-0.051 χ²/NDF:2341728.8/19
+ sign 197.253+/-0.032 χ²/NDF: 8504402.2/36
All: 191.639+/-0.022 χ²/NDF: 17402277.1/75
- sign 186.438+/-0.031 χ²/NDF: 8838588.6/38



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.2/20

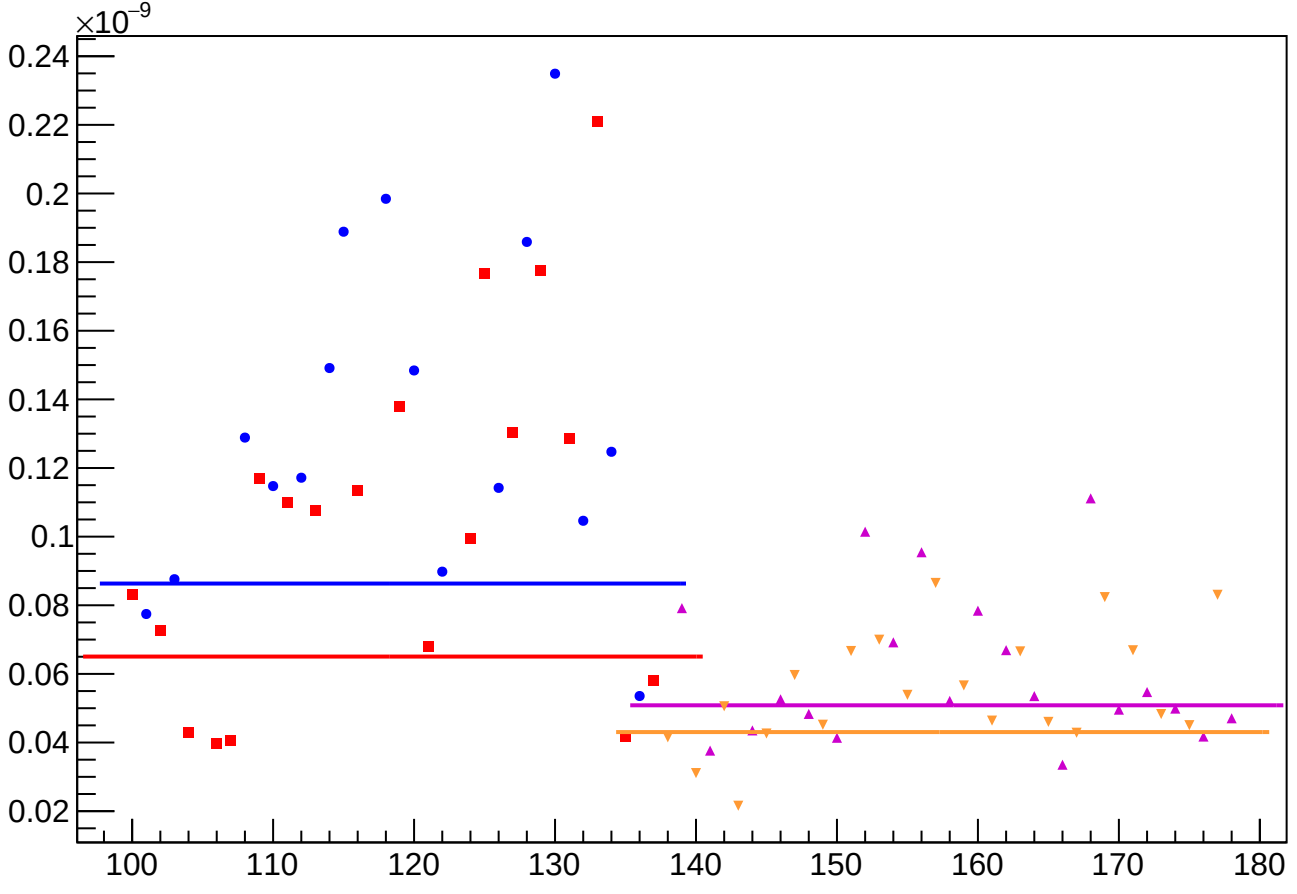
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:18.6/19

+ sign 0.000+/-0.000 χ^2/NDF: 50.1/36

All: -0.000+/-0.000 χ^2/NDF: 92.7/75

- sign -0.000+/-0.000 χ^2/NDF: 40.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2798956.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

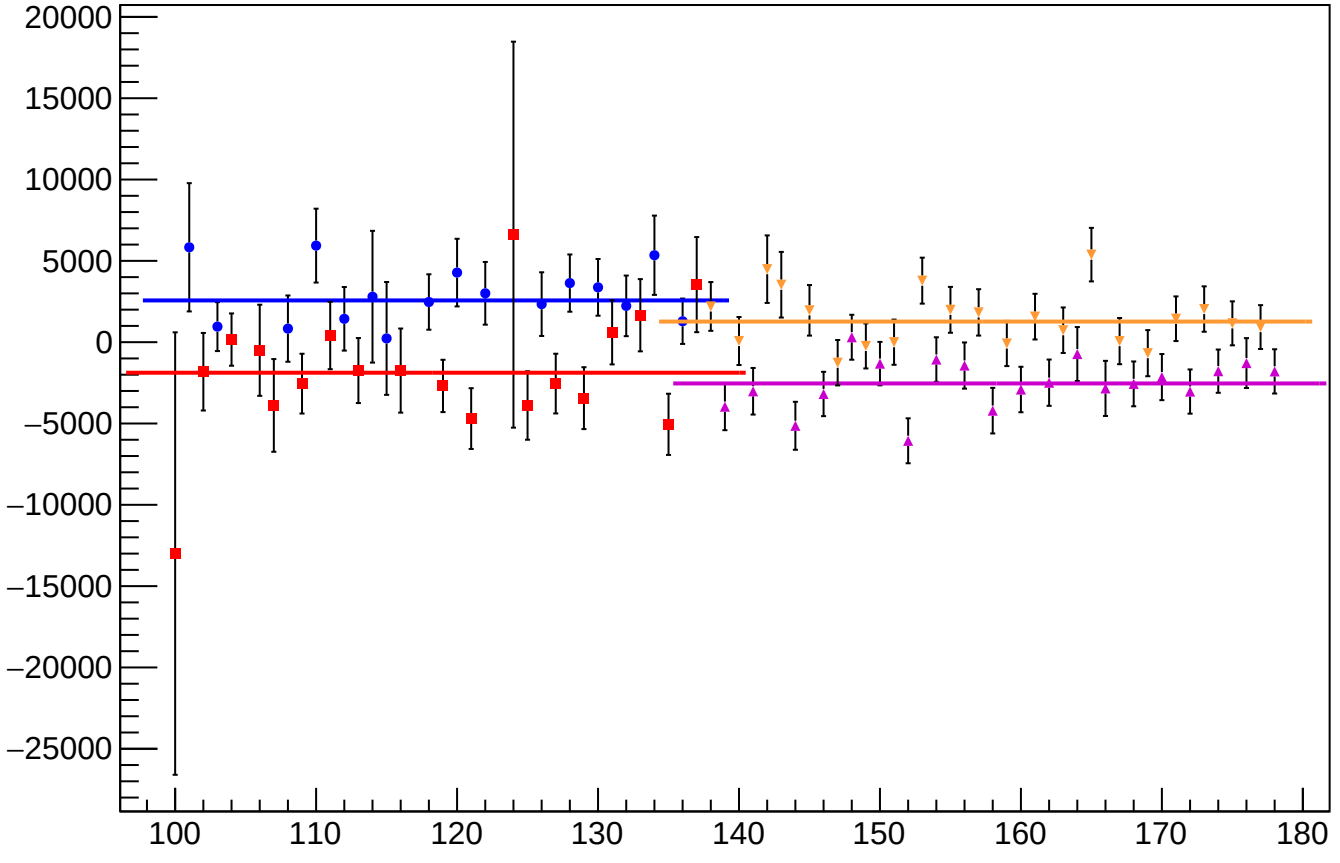
Left In: 0.000+/-0.000 χ^2/NDF:1889080.7/19

+ sign 0.000+/-0.000 χ^2/NDF: 6211291.3/36

All: 0.000+/-0.000 χ^2/NDF: 10727177.2/75

- sign 0.000+/-0.000 χ^2/NDF: 4330615.3/38

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1267.308+/-318.095 χ^2/NDF:24.2/20

Right Out: -1878.030+/-494.719 χ^2/NDF: 19.5/18

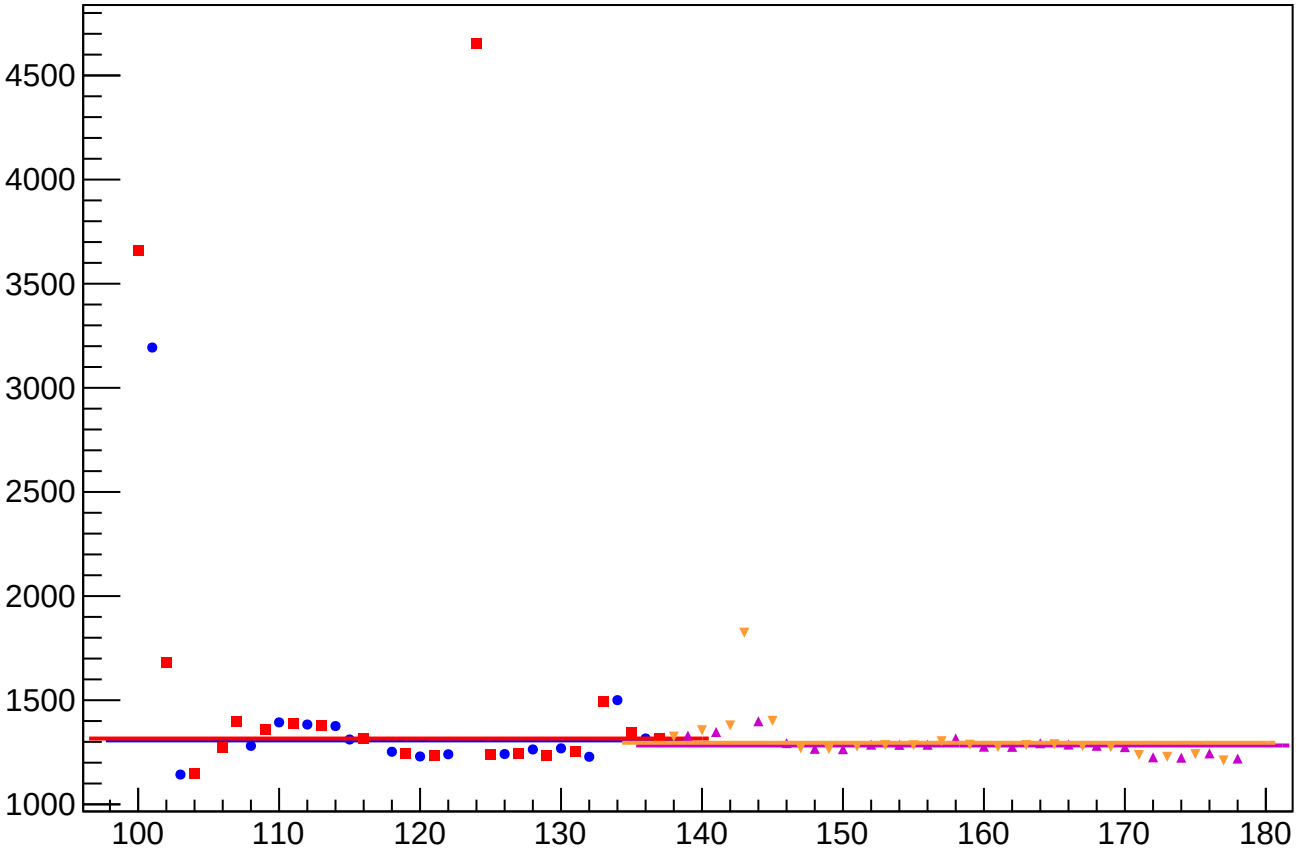
Left In: -2537.658+/-317.431 χ^2/NDF:22.0/19

+ sign 1646.899+/-267.661 χ^2/NDF: 38.1/36

All: -352.905+/-189.089 χ^2/NDF: 192.3/75

- sign -2345.288+/-267.164 χ^2/NDF: 42.8/38

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1295.682+/-0.225 χ^2/NDF:176718.3/20

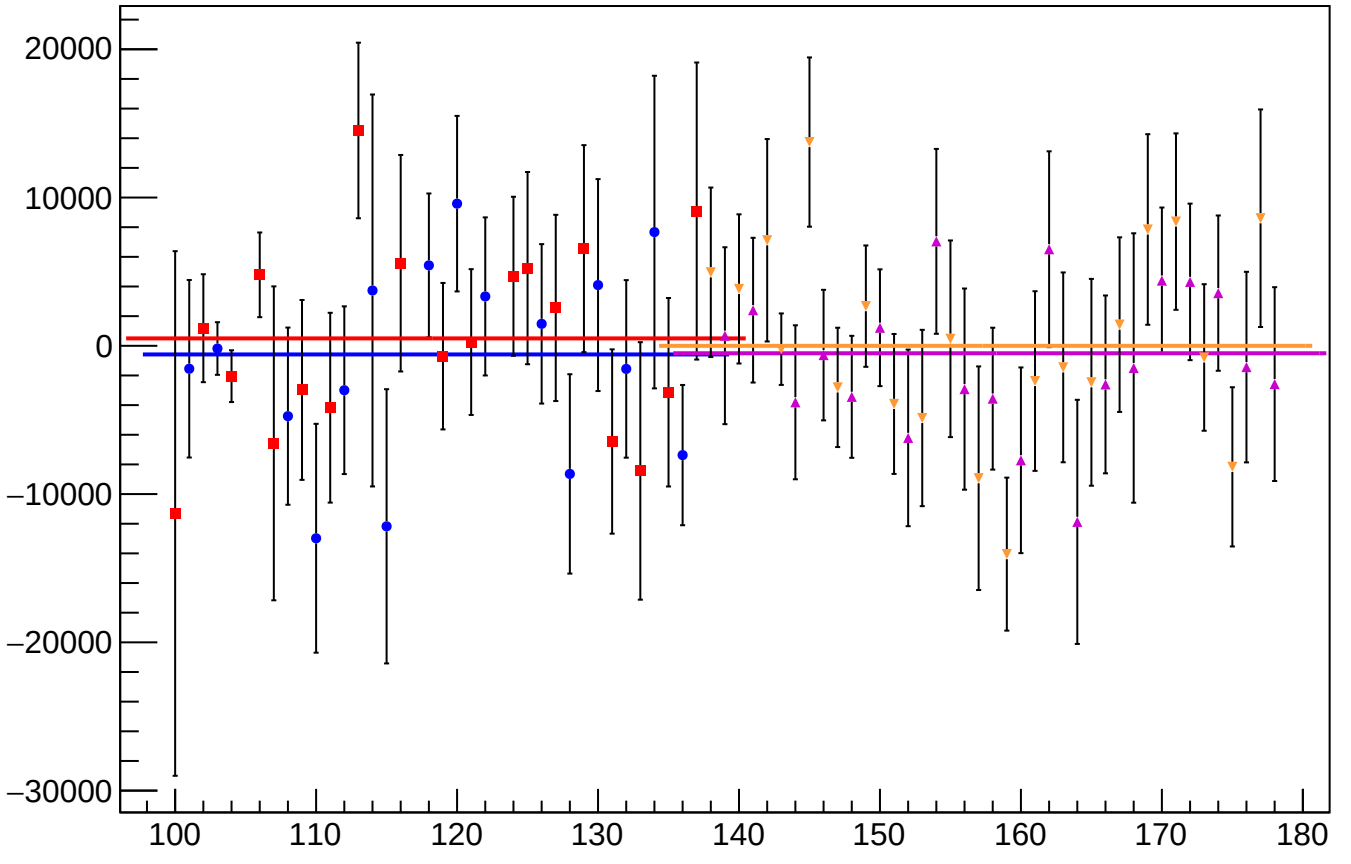
Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1282.630+/-0.224 χ^2/NDF:33731.3/19

+ sign 1299.006+/-0.189 χ^2/NDF: 693715.4/36

All: 1295.694+/-0.134 χ^2/NDF: 1060947.7/75

- sign 1292.399+/-0.189 χ^2/NDF: 366621.3/38



Right In: -581.790+/-1192.862 χ^2/NDF: 14.7/15

Left Out: -1.516+/-1107.969 χ^2/NDF:26.9/20

Right Out: 500.098+/-1055.434 χ^2/NDF: 17.7/18

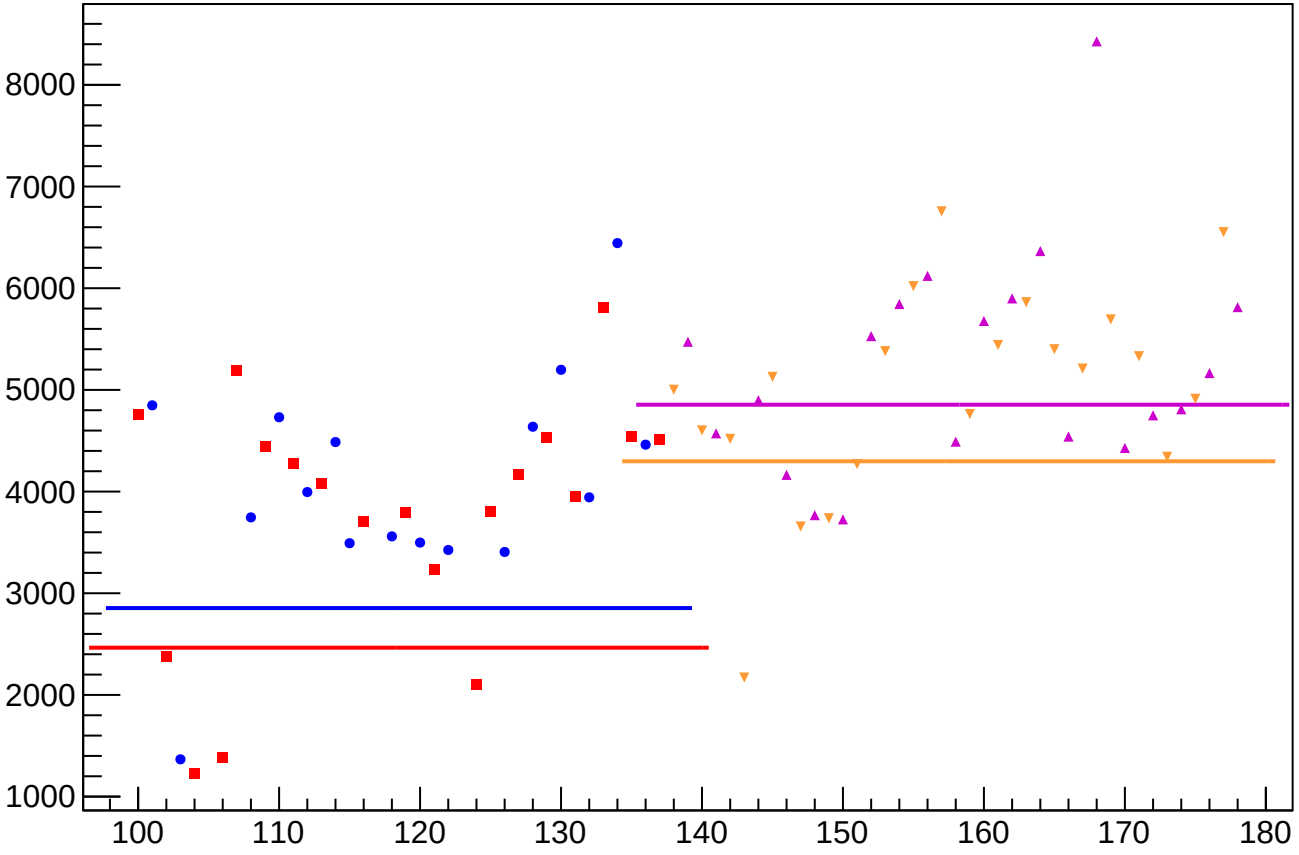
Left In: -502.032+/-1225.469 χ^2/NDF:11.5/19

+ sign -270.272+/-811.807 χ^2/NDF: 41.8/36

All: -95.896+/-569.713 χ^2/NDF: 71.4/75

- sign 73.326+/-799.720 χ^2/NDF: 29.6/38

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: 4298.154+/-0.783 χ^2/NDF:2816029.8/20

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

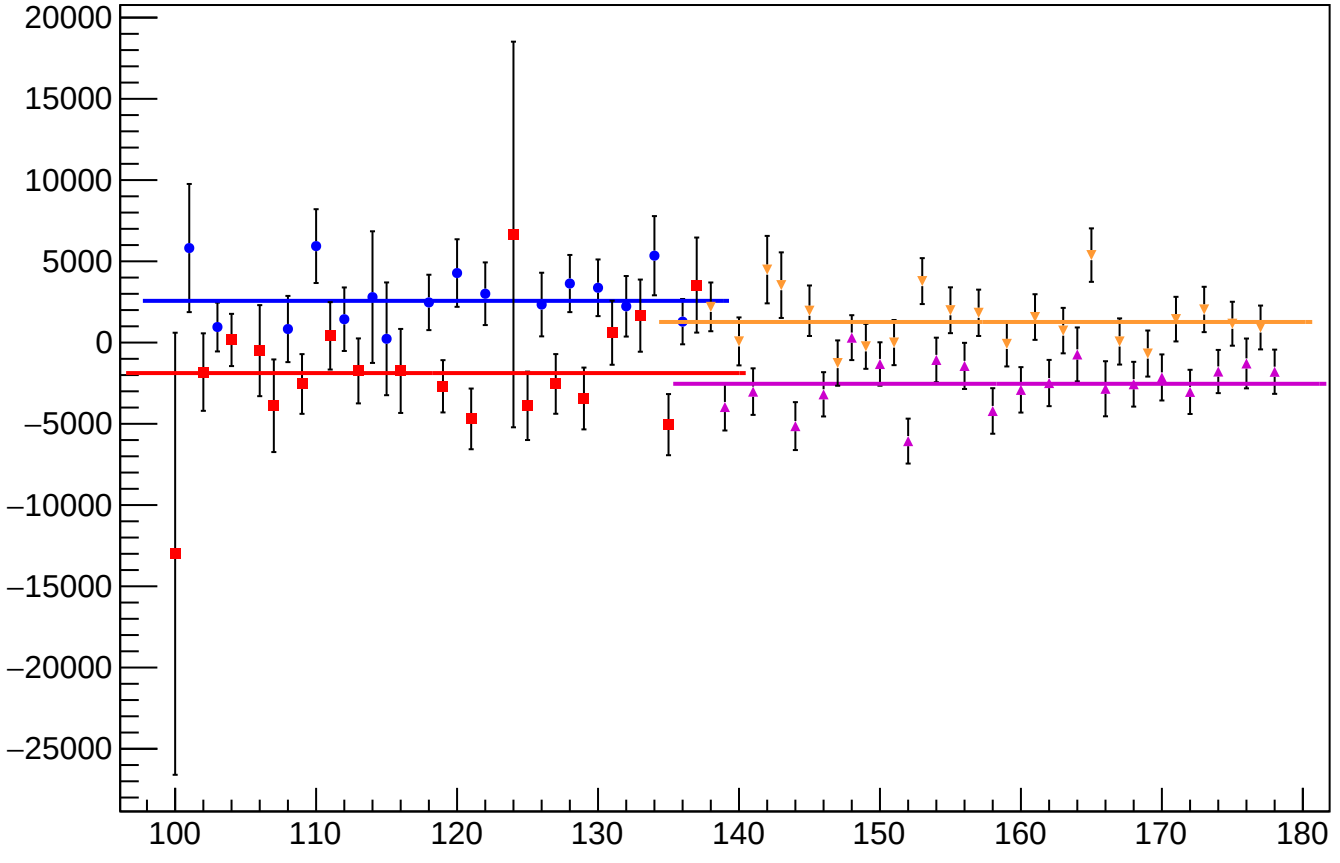
Left In: 4854.234+/-0.867 χ^2/NDF:1068923.9/19

+ sign 3629.428+/-0.574 χ^2/NDF: 7293917.1/36

All: 3554.739+/-0.403 χ^2/NDF: 16118359.1/7

- sign 3482.257+/-0.565 χ^2/NDF: 8791083.7/38

cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1267.246+/-318.095 χ^2/NDF:24.2/20

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

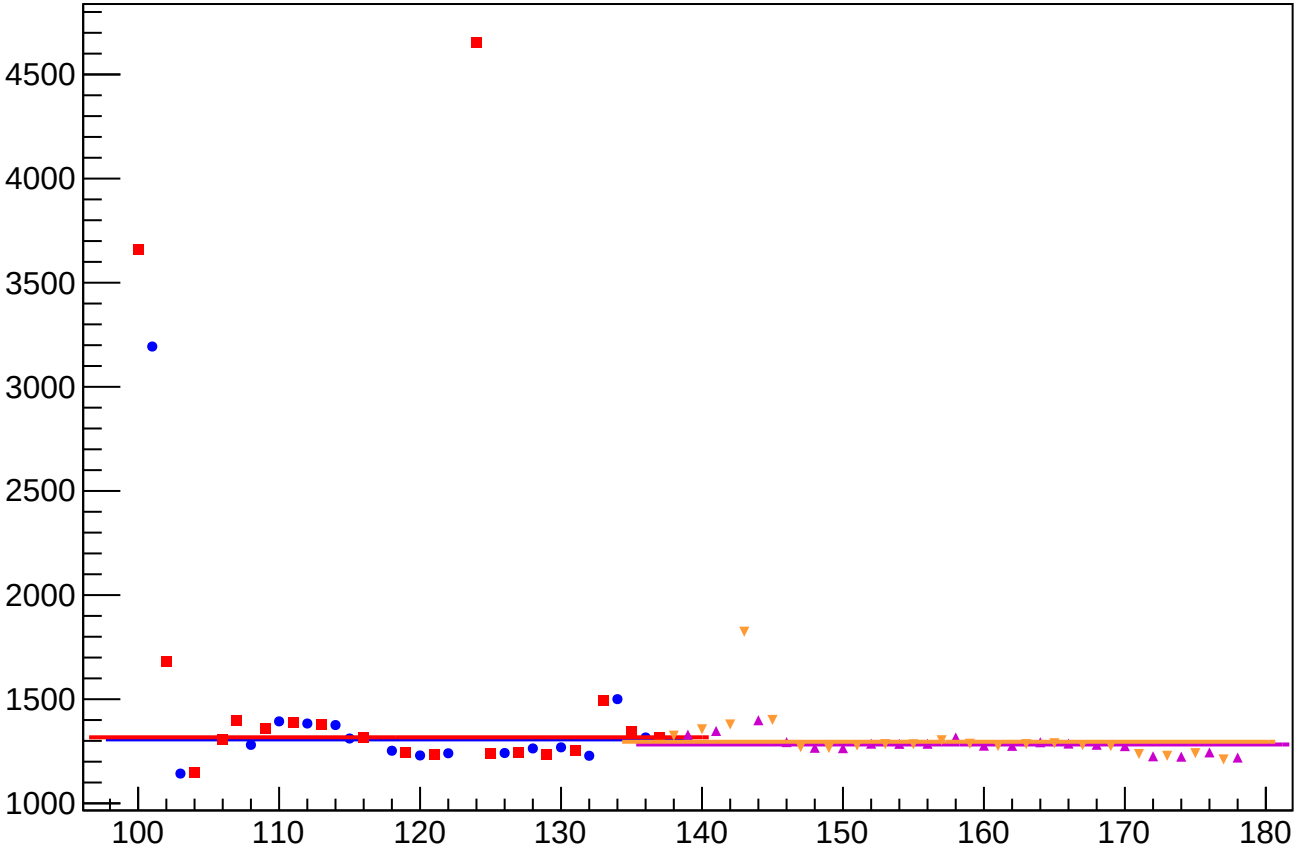
Left In: -2537.655+/-317.431 χ^2/NDF:22.0/19

+ sign 1646.774+/-267.661 χ^2/NDF: 38.1/36

All: -352.929+/-189.089 χ^2/NDF: 192.3/75

- sign -2345.211+/-267.164 χ^2/NDF: 42.8/38

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1295.682+/-0.225 χ^2/NDF:176718.3/20

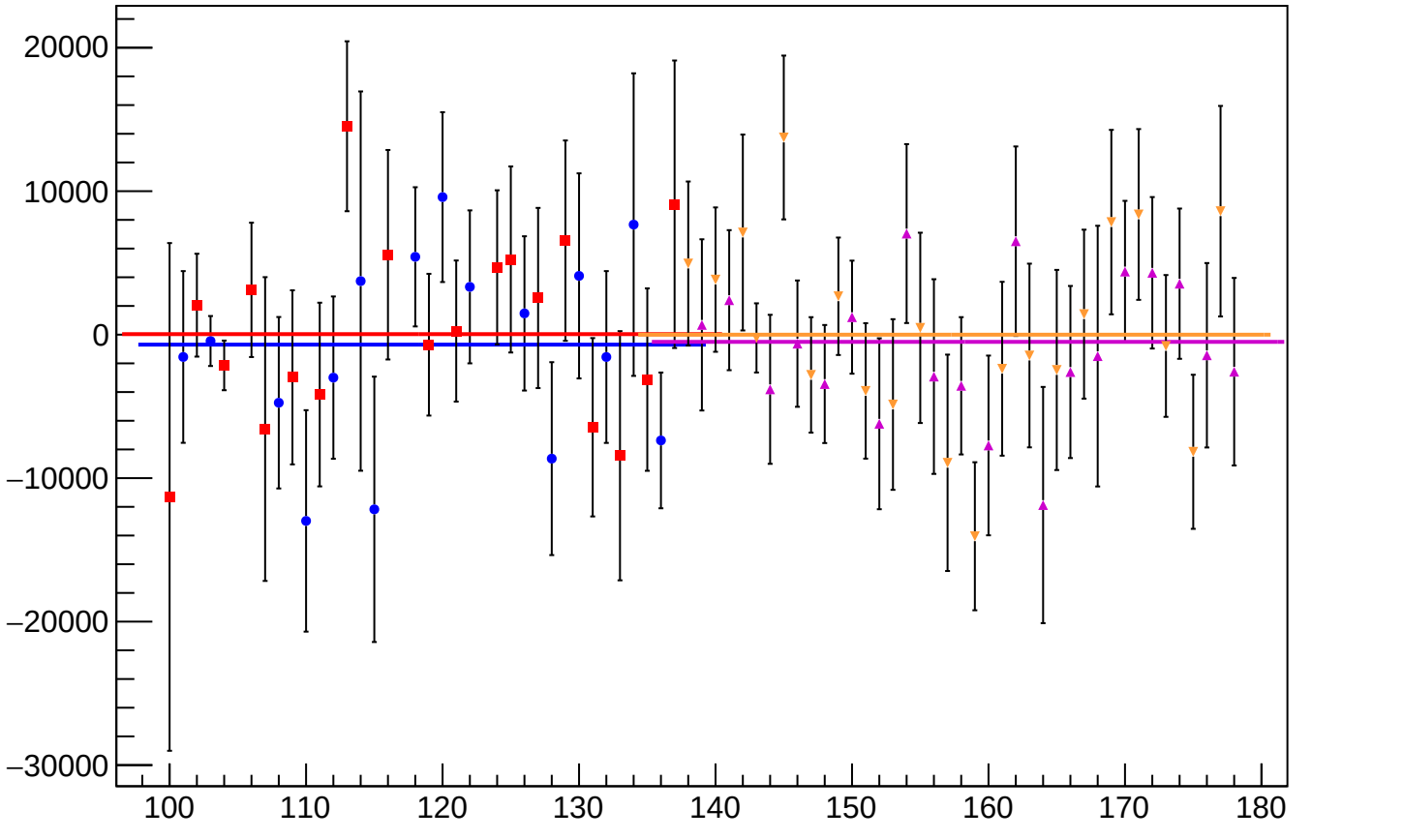
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1282.630+/-0.224 χ^2/NDF:33731.3/19

+ sign 1299.006+/-0.189 χ^2/NDF: 693716.9/36

All: 1295.855+/-0.134 χ^2/NDF: 1060835.8/75

- sign 1292.718+/-0.189 χ^2/NDF: 366565.6/38



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: -1.531+/-1107.966 χ^2/NDF:26.9/20

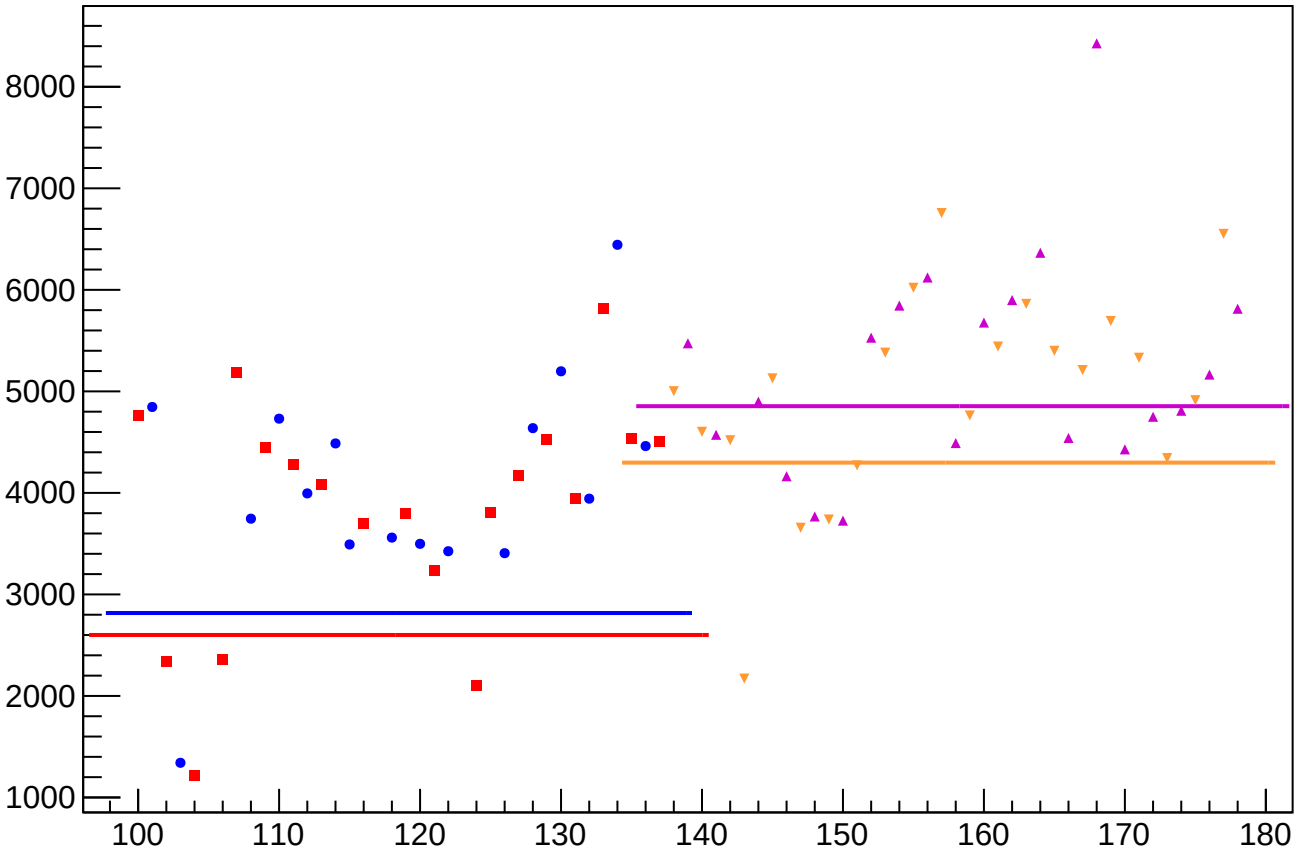
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -502.093+/-1225.469 χ^2/NDF:11.5/19

+ sign -325.859+/-808.495 χ^2/NDF: 41.8/36

All: -265.434+/-574.972 χ^2/NDF: 69.3/75

- sign -203.601+/-817.854 χ^2/NDF: 27.5/38



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4298.135+/-0.783 χ^2/NDF:2816117.0/20

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

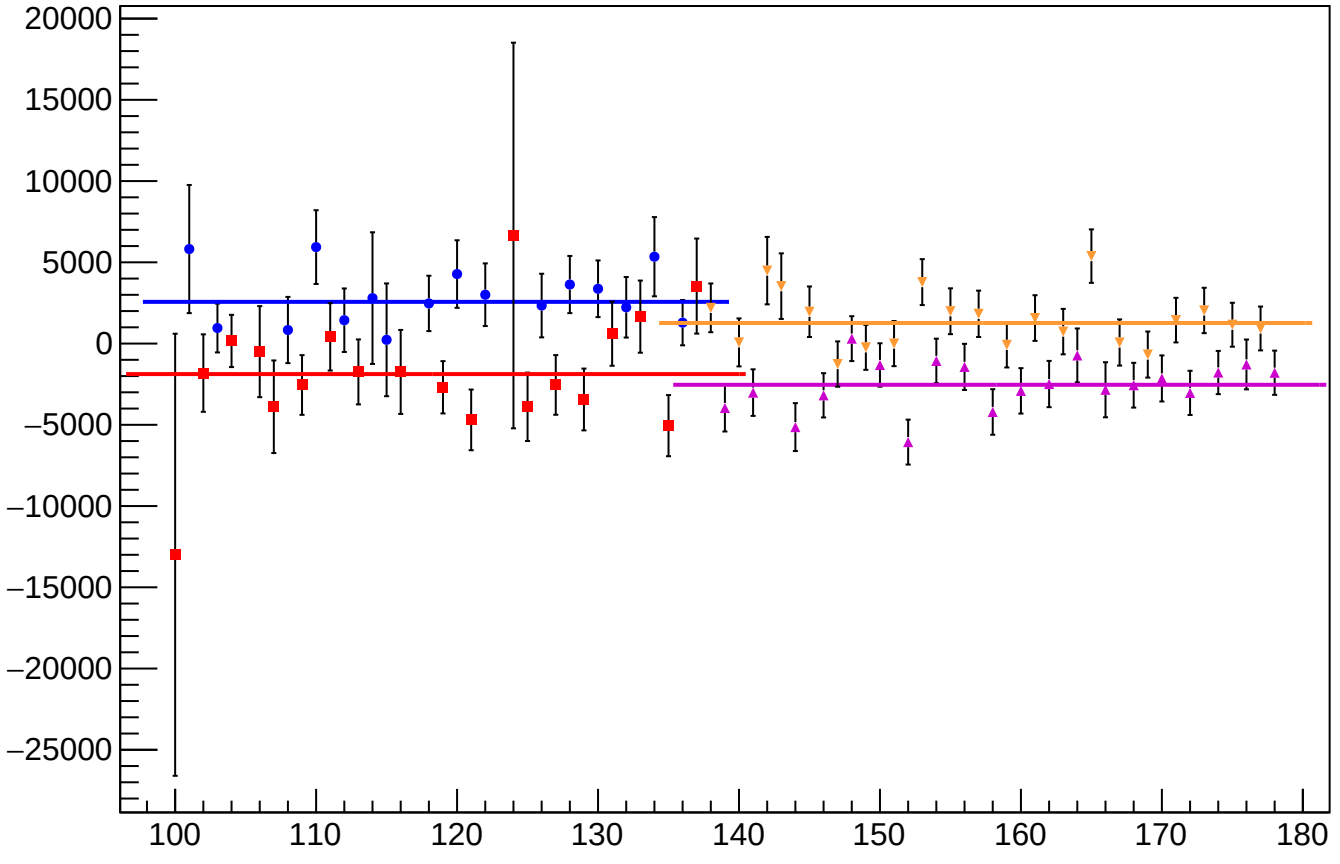
Left In: 4854.233+/-0.867 χ^2/NDF:1068932.3/19

+ sign 3605.571+/-0.572 χ^2/NDF: 7495144.4/36

All: 3604.952+/-0.407 χ^2/NDF: 15396342.5/7

- sign 3604.318+/-0.578 χ^2/NDF: 7901195.8/38

eigen_cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1267.246+/-318.095 χ^2/NDF:24.2/20

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

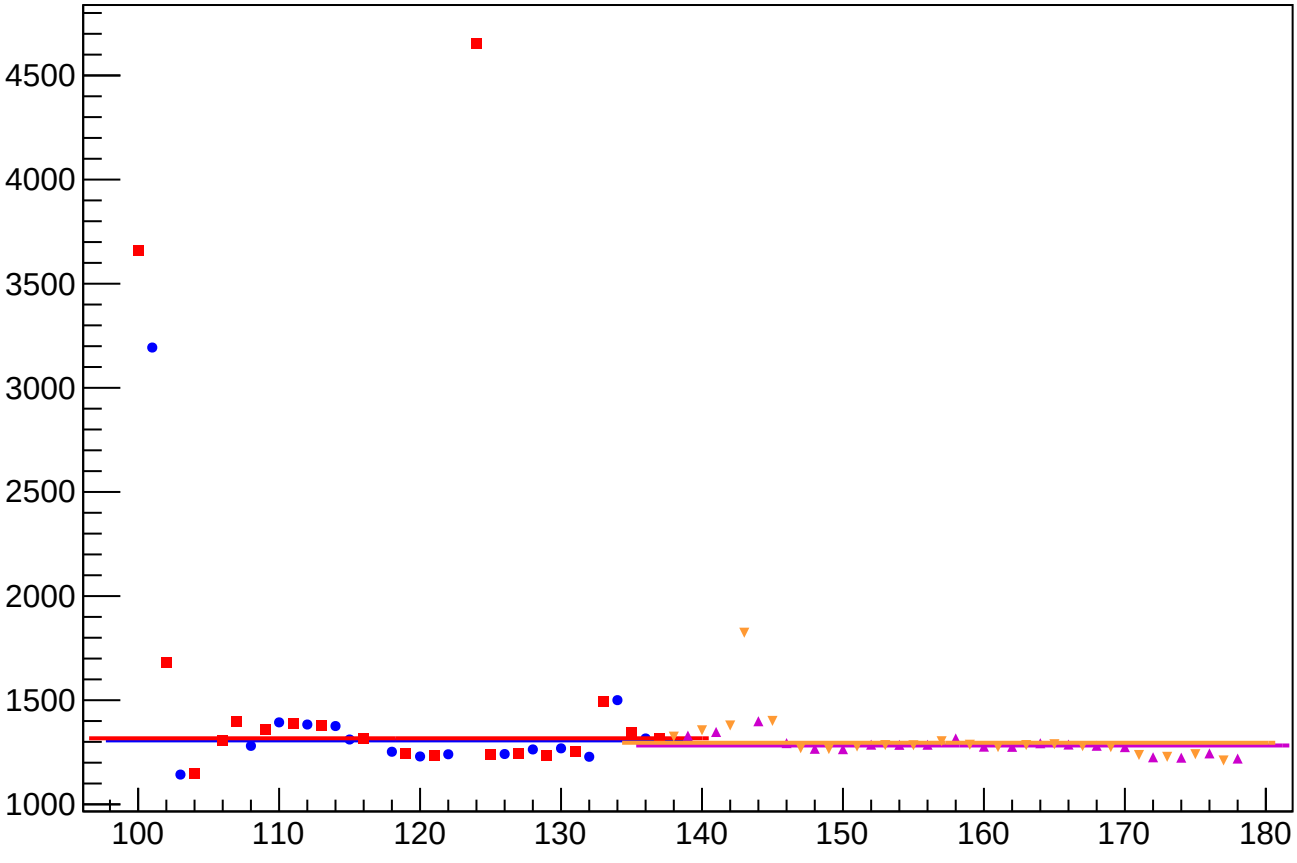
Left In: -2537.655+/-317.431 χ^2/NDF:22.0/19

+ sign 1646.774+/-267.661 χ^2/NDF: 38.1/36

All: -352.929+/-189.089 χ^2/NDF: 192.3/75

- sign -2345.211+/-267.164 χ^2/NDF: 42.8/38

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: 1295.682+/-0.225 χ^2/NDF:176718.3/20

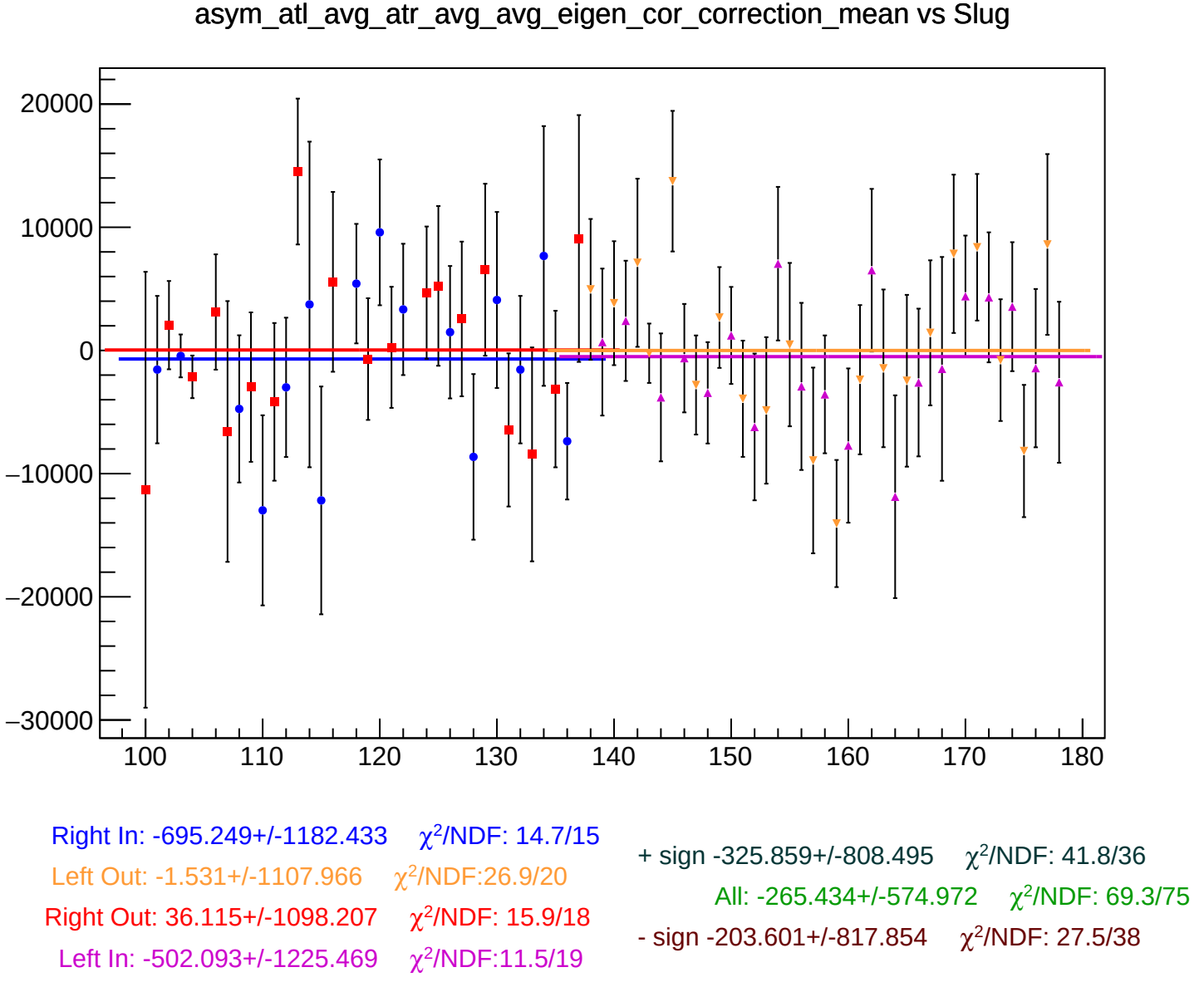
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

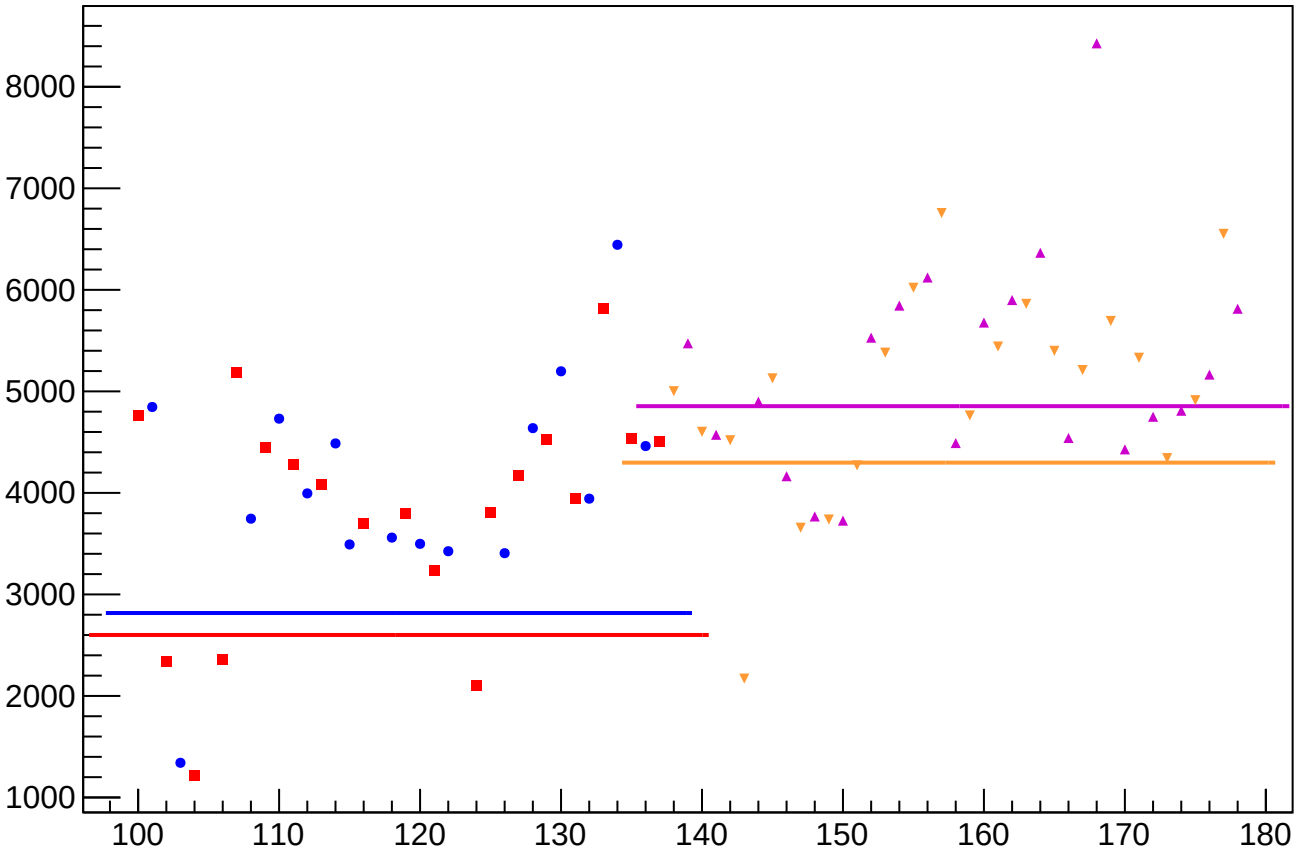
Left In: 1282.630+/-0.224 χ^2/NDF:33731.3/19

+ sign 1299.006+/-0.189 χ^2/NDF: 693716.9/36

All: 1295.855+/-0.134 χ^2/NDF: 1060835.8/75

- sign 1292.718+/-0.189 χ^2/NDF: 366565.6/38


asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
Right In: -695.249+/-1182.433 χ²/NDF: 14.7/15
Left Out: -1.531+/-1107.966 χ²/NDF:26.9/20
Right Out: 36.115+/-1098.207 χ²/NDF: 15.9/18
Left In: -502.093+/-1225.469 χ²/NDF:11.5/19
+ sign -325.859+/-808.495 χ²/NDF: 41.8/36
All: -265.434+/-574.972 χ²/NDF: 69.3/75
- sign -203.601+/-817.854 χ²/NDF: 27.5/38



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4298.135+/-0.783 χ^2/NDF:2816117.0/20

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

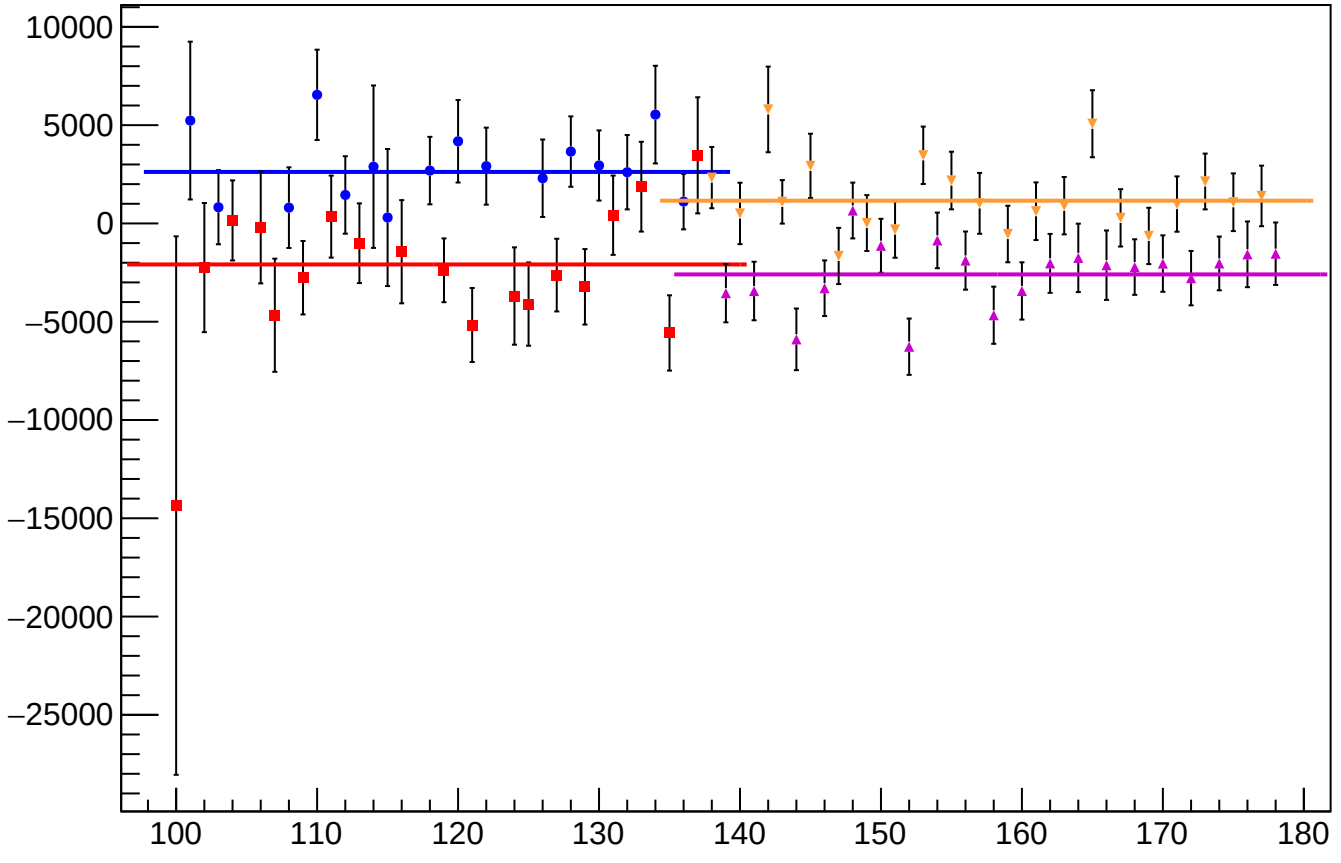
Left In: 4854.233+/-0.867 χ^2/NDF:1068932.3/19

+ sign 3605.571+/-0.572 χ^2/NDF: 7495144.4/36

All: 3604.952+/-0.407 χ^2/NDF: 15396342.5/7

- sign 3604.318+/-0.578 χ^2/NDF: 7901195.8/38

dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1157.712+/-321.994 χ^2/NDF:24.3/20

Right Out: -2085.606+/-504.873 χ^2/NDF: 20.9/18

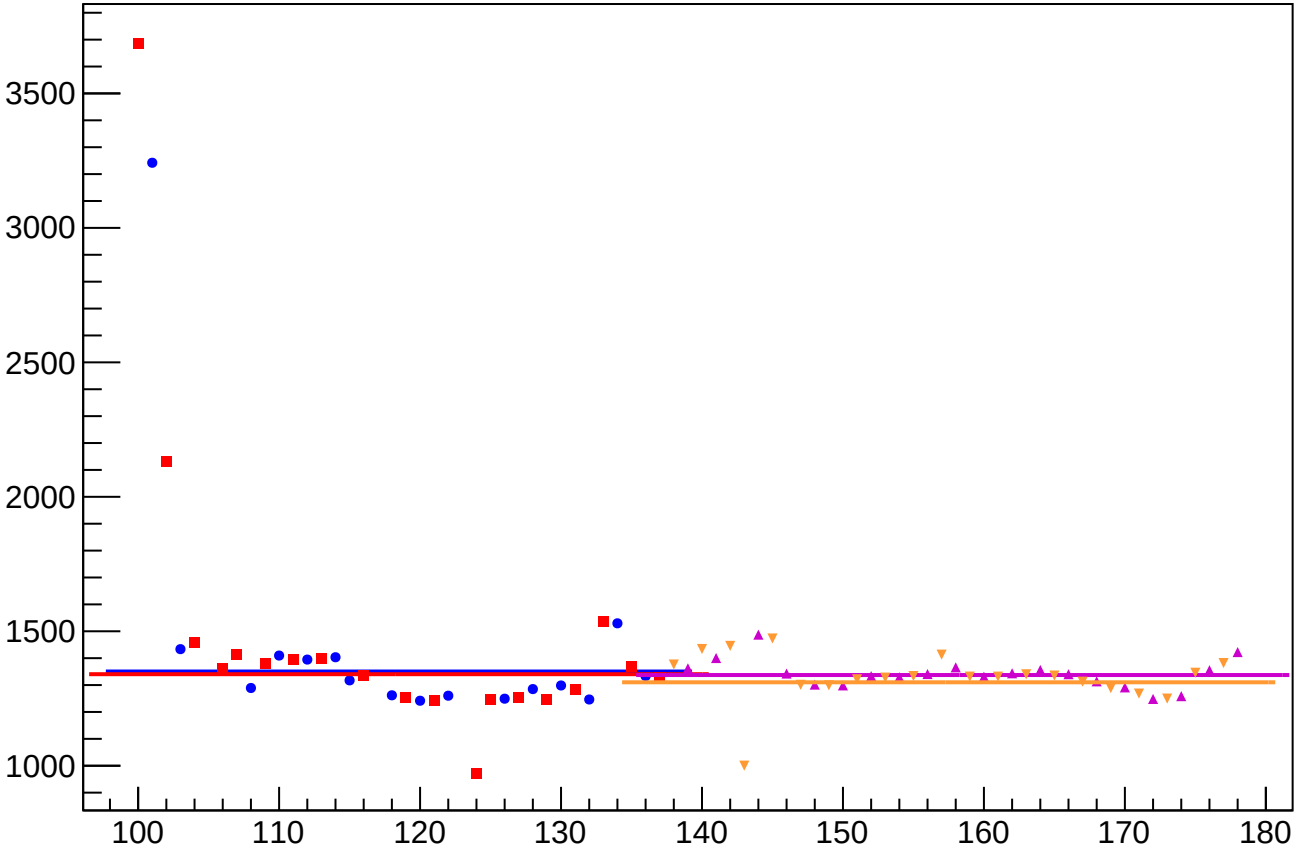
Left In: -2592.442+/-331.116 χ^2/NDF:24.1/19

+ sign 1572.868+/-272.498 χ^2/NDF: 39.4/36

All: -401.558+/-194.216 χ^2/NDF: 191.9/75

- sign -2440.005+/-276.881 χ^2/NDF: 45.8/38

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1310.280+/-0.228 χ^2/NDF:223884.5/20

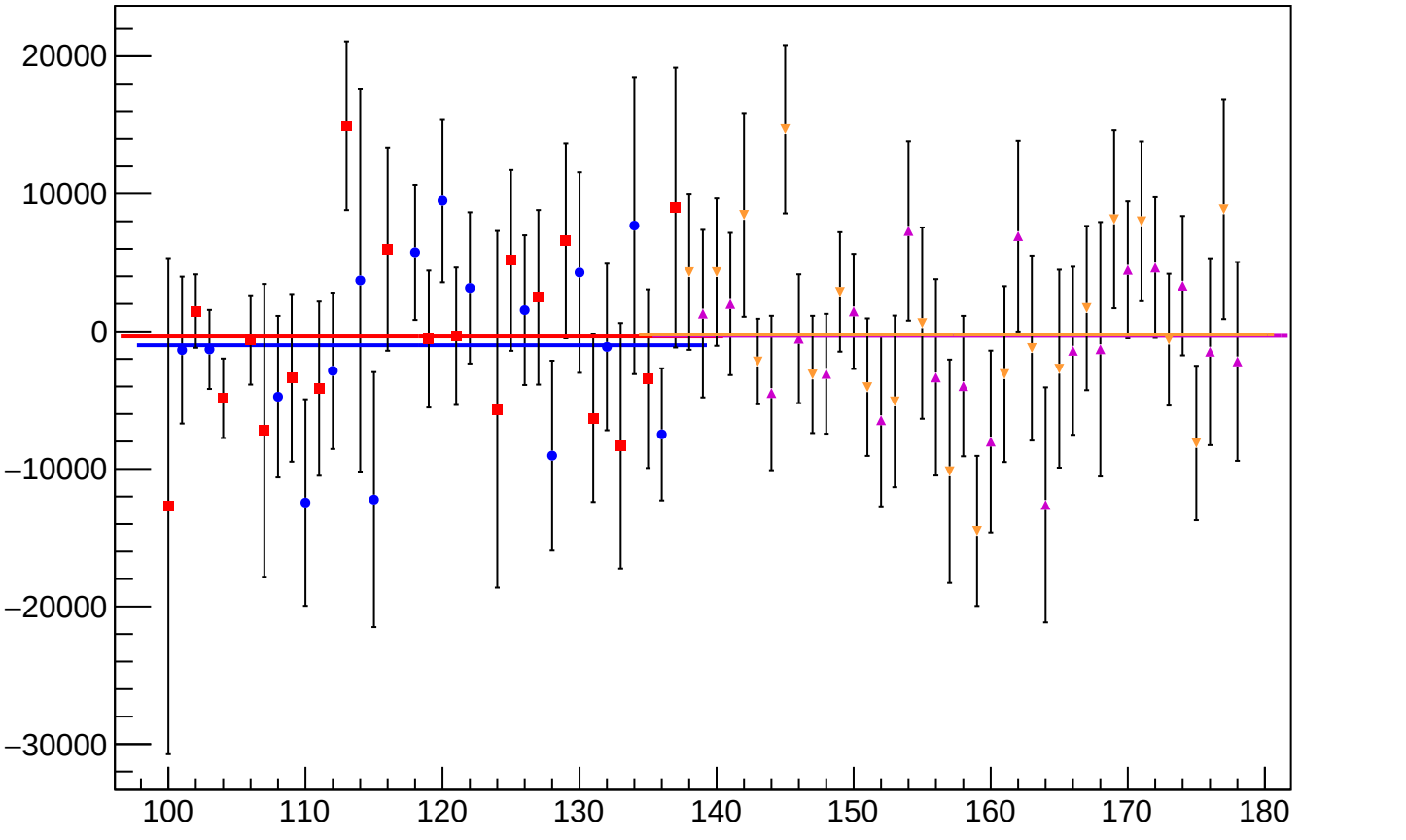
Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1337.302+/-0.234 χ^2/NDF:50030.2/19

+ sign 1321.658+/-0.193 χ^2/NDF: 726733.9/36

All: 1329.820+/-0.137 χ^2/NDF: 1052647.2/75

- sign 1338.243+/-0.196 χ^2/NDF: 322267.4/38



Right In: -1006.752+/-1404.458 χ^2/NDF: 14.6/15

Left Out: -223.032+/-1197.995 χ^2/NDF:27.0/20

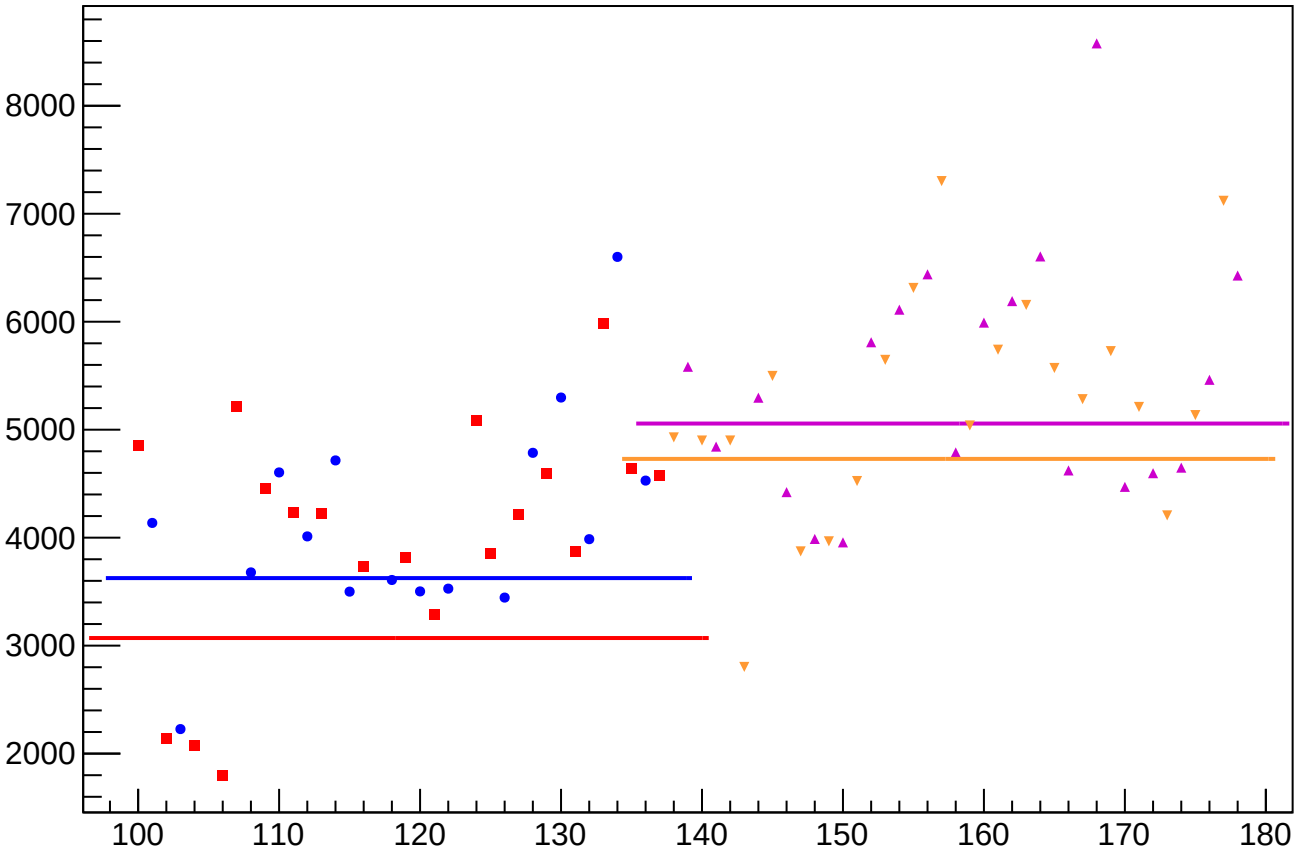
Right Out: -364.493+/-1202.498 χ^2/NDF: 16.2/18

Left In: -322.085+/-1276.789 χ^2/NDF:11.5/19

+ sign -553.105+/-911.451 χ^2/NDF: 41.8/36

All: -444.624+/-631.354 χ^2/NDF: 69.5/75

- sign -344.559+/-875.380 χ^2/NDF: 27.7/38



Right In: 3625.512+/-0.993 χ^2/NDF: 944905.4/15

Left Out: 4729.493+/-0.847 χ^2/NDF:1766288.4/20

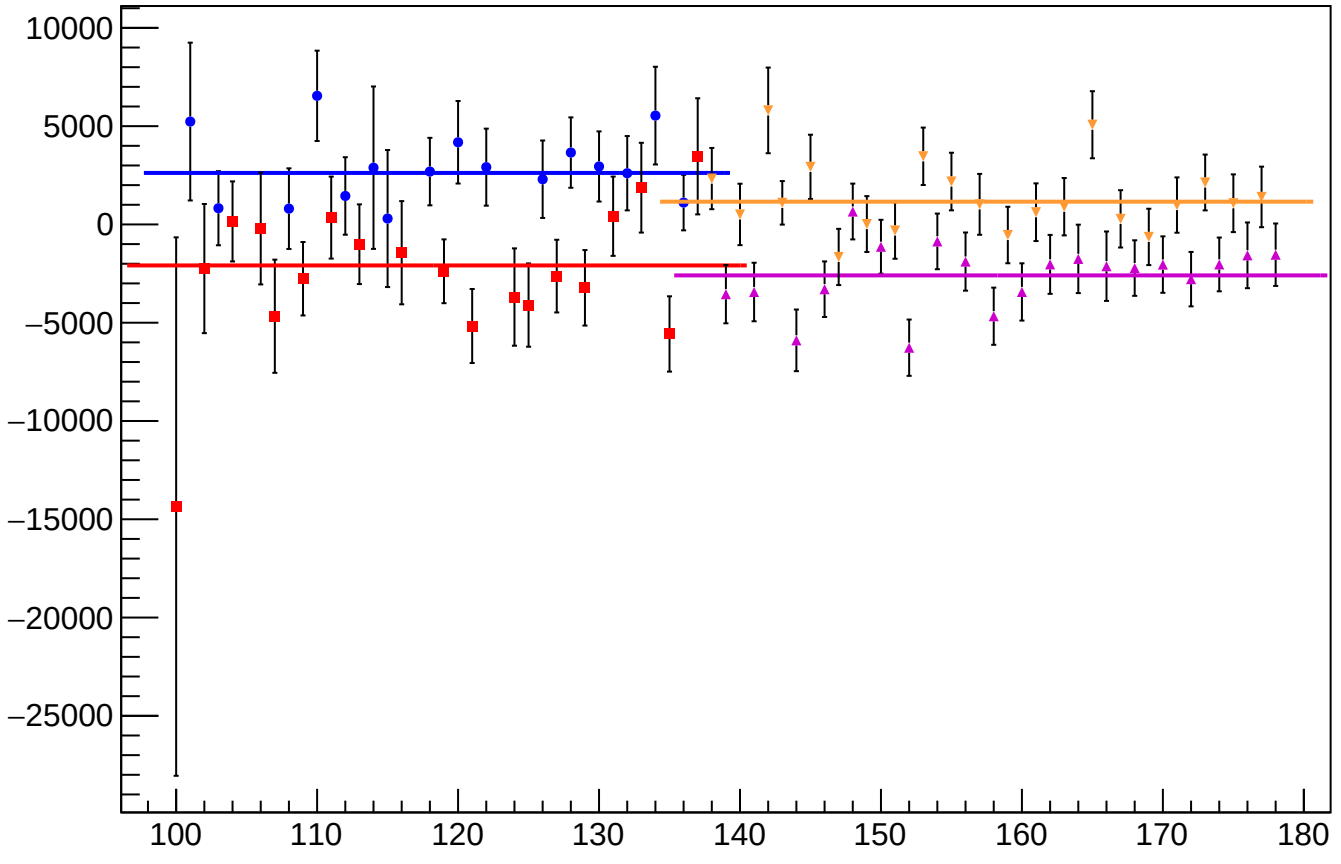
Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

Left In: 5056.899+/-0.903 χ^2/NDF:1075167.9/19

+ sign 4264.538+/-0.644 χ^2/NDF: 3426500.6/36

All: 4129.116+/-0.446 χ^2/NDF: 8990721.3/75

- sign 4004.201+/-0.619 χ^2/NDF: 5479344.4/38



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1157.709+/-321.995 χ^2/NDF:24.3/20

Right Out: -2085.608+/-504.873 χ^2/NDF: 20.9/18

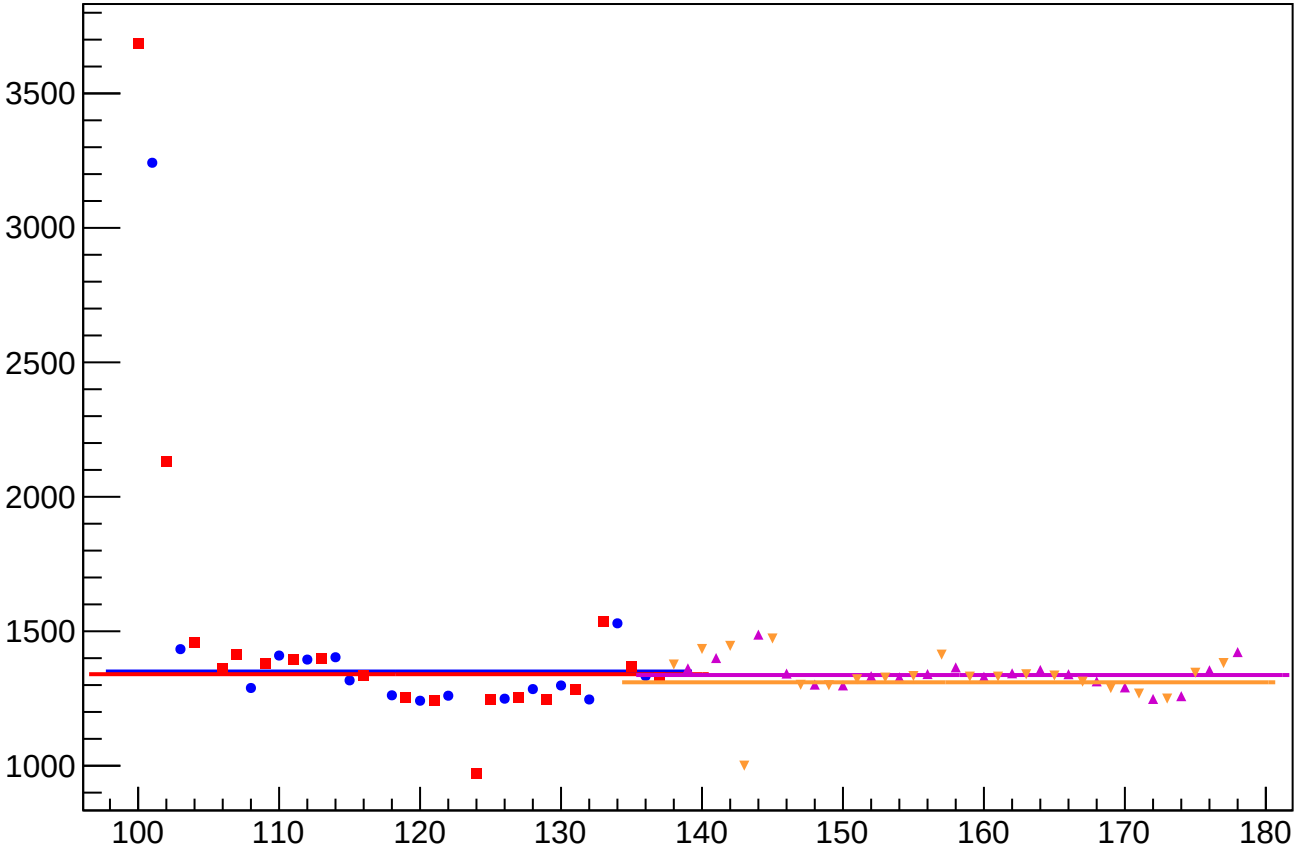
Left In: -2592.444+/-331.117 χ^2/NDF:24.1/19

+ sign 1572.866+/-272.499 χ^2/NDF: 39.4/36

All: -401.560+/-194.217 χ^2/NDF: 191.9/75

- sign -2440.007+/-276.881 χ^2/NDF: 45.8/38

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: 1310.282+/-0.228 χ^2/NDF:223886.4/20

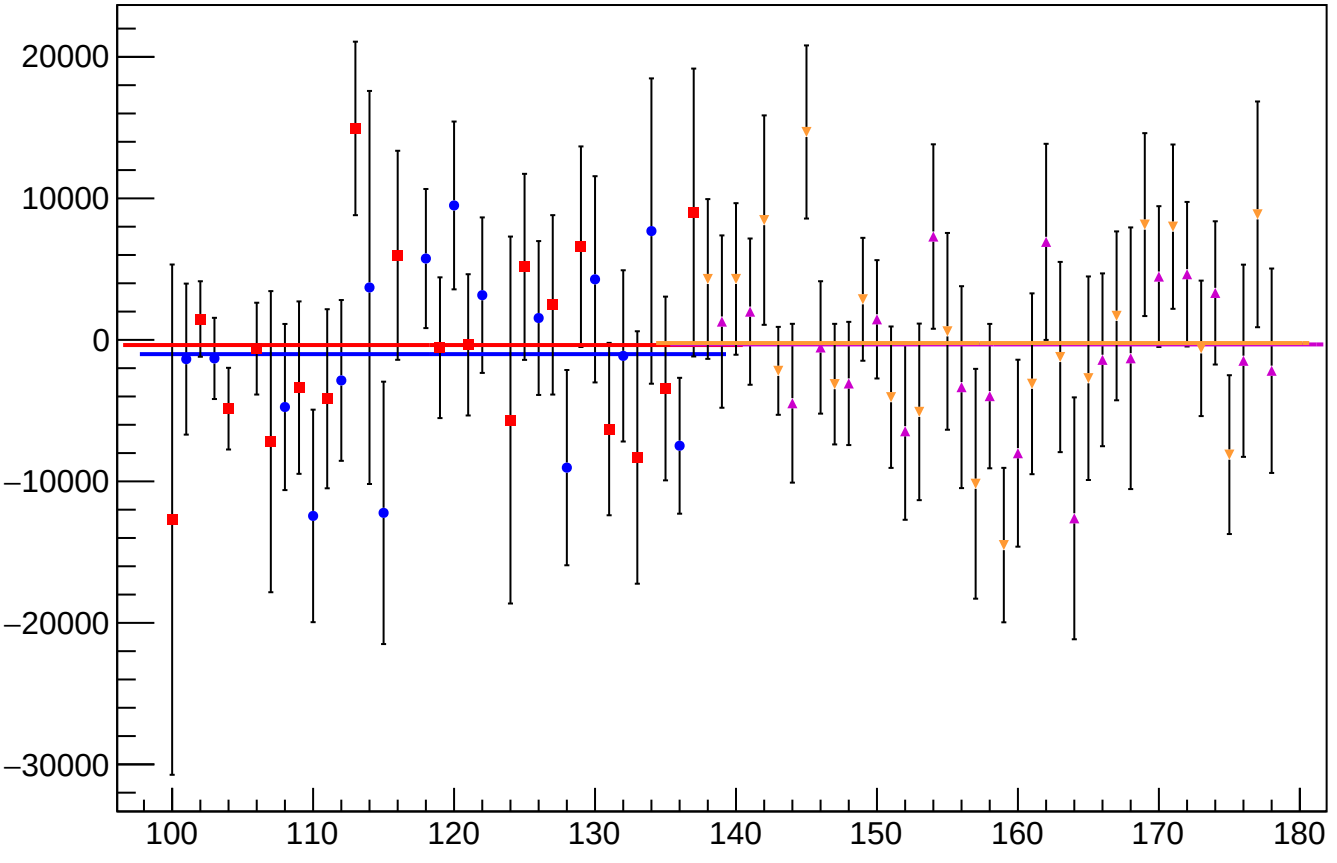
Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1337.303+/-0.234 χ^2/NDF:50032.4/19

+ sign 1321.659+/-0.193 χ^2/NDF: 726735.2/36

All: 1329.820+/-0.137 χ^2/NDF: 1052649.7/75

- sign 1338.244+/-0.196 χ^2/NDF: 322268.6/38



Right In: -1006.742+/-1404.455 χ^2/NDF: 14.6/15

Left Out: -223.035+/-1197.997 χ^2/NDF:27.0/20

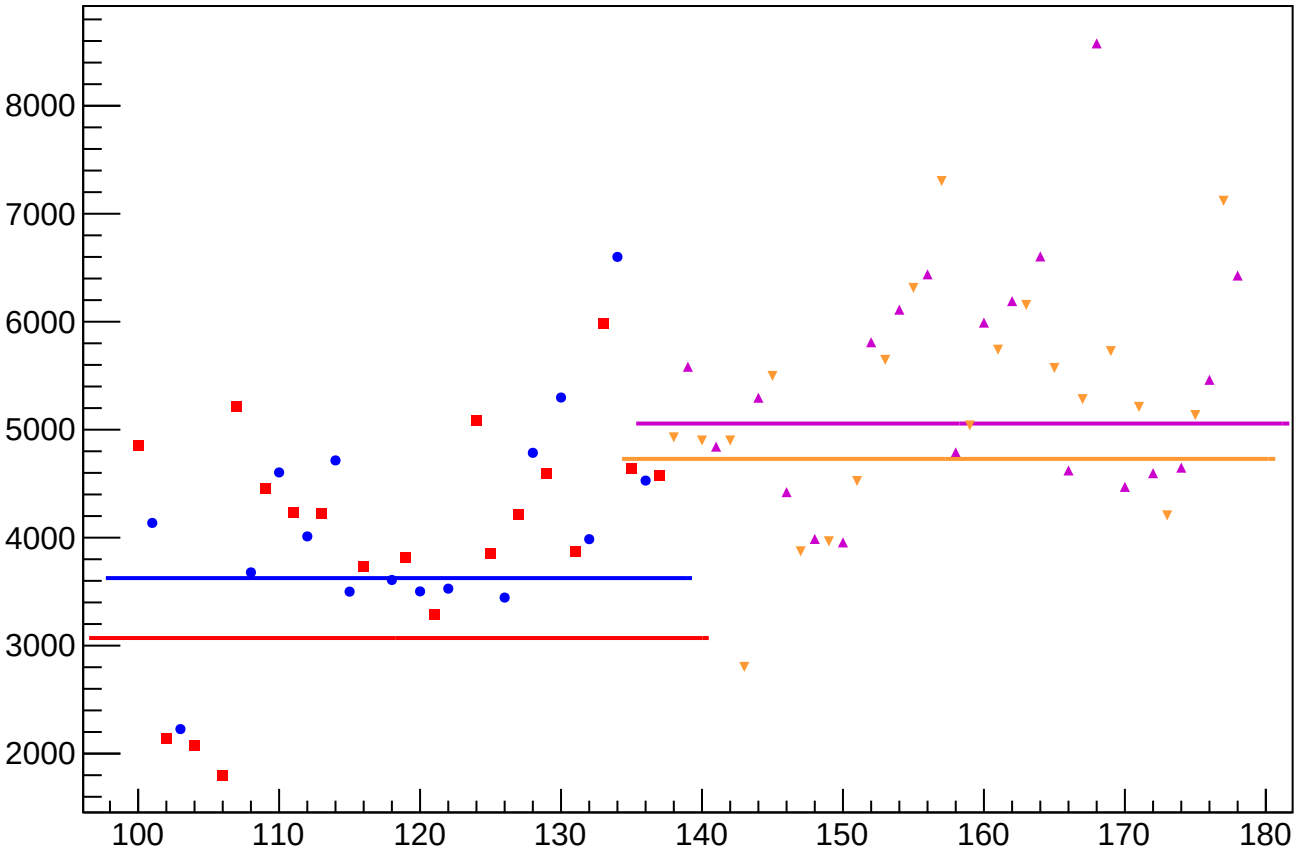
Right Out: -364.495+/-1202.495 χ^2/NDF: 16.2/18

Left In: -322.085+/-1276.791 χ^2/NDF:11.5/19

+ sign -553.105+/-911.451 χ^2/NDF: 41.8/36

All: -444.624+/-631.354 χ^2/NDF: 69.5/75

- sign -344.560+/-875.380 χ^2/NDF: 27.7/38



Right In: 3625.503+/-0.993 χ^2/NDF: 944907.6/15

Left Out: 4729.500+/-0.847 χ^2/NDF:1766289.0/20

Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

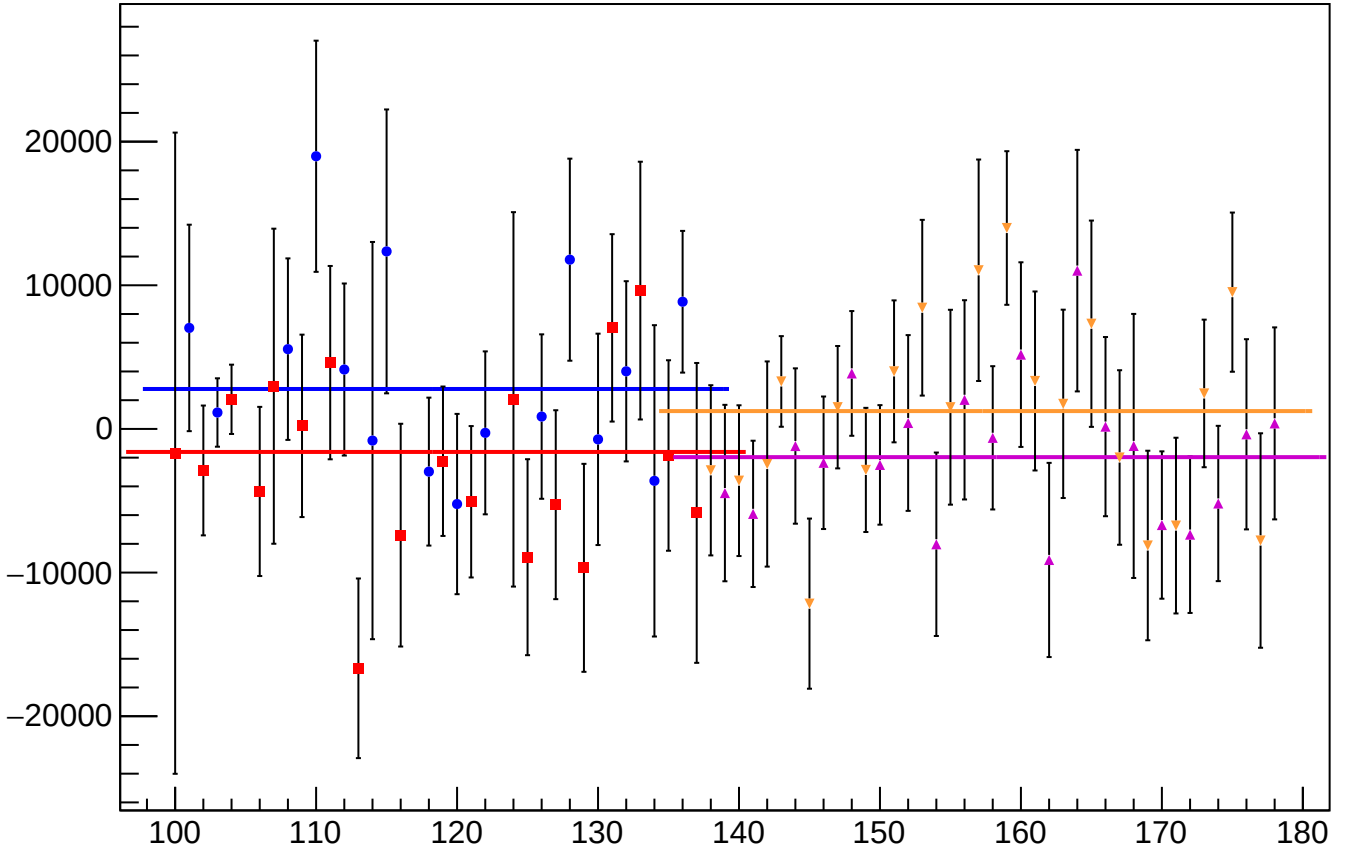
Left In: 5056.907+/-0.903 χ^2/NDF:1075170.3/19

+ sign 4264.536+/-0.644 χ^2/NDF: 3426526.0/36

All: 4129.113+/-0.446 χ^2/NDF: 8990798.5/75

- sign 4004.196+/-0.619 χ^2/NDF: 5479393.7/38

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: 1241.907+/-1197.918 χ^2/NDF:25.6/20

Right Out: -1602.626+/-1337.018 χ^2/NDF: 16.8/18

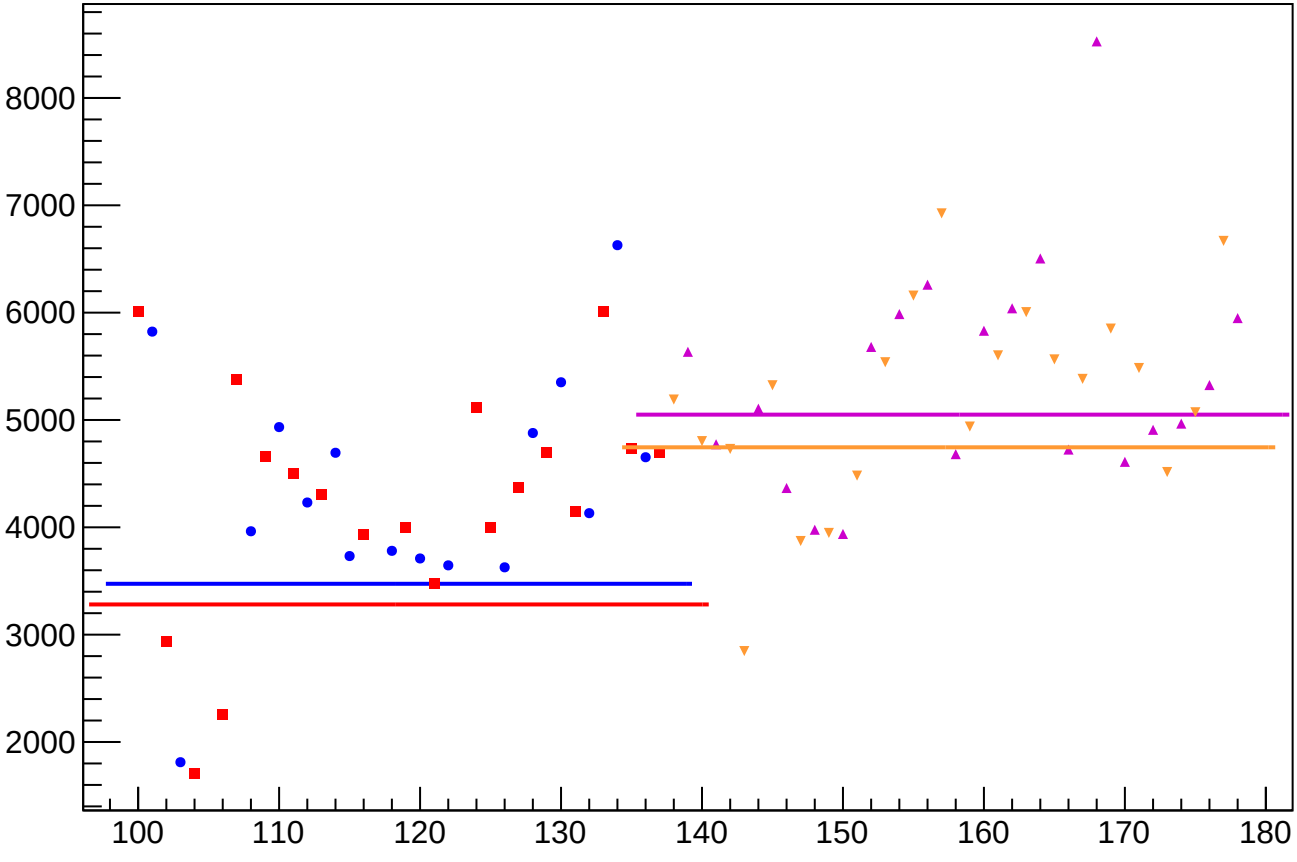
Left In: -1963.647+/-1271.882 χ^2/NDF:11.3/19

+ sign 1898.095+/-907.274 χ^2/NDF: 39.5/36

All: 81.726+/-646.519 χ^2/NDF: 75.8/75

- sign -1792.145+/-921.523 χ^2/NDF: 28.1/38

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 4745.437+/-0.847 χ^2/NDF:1584210.3/20

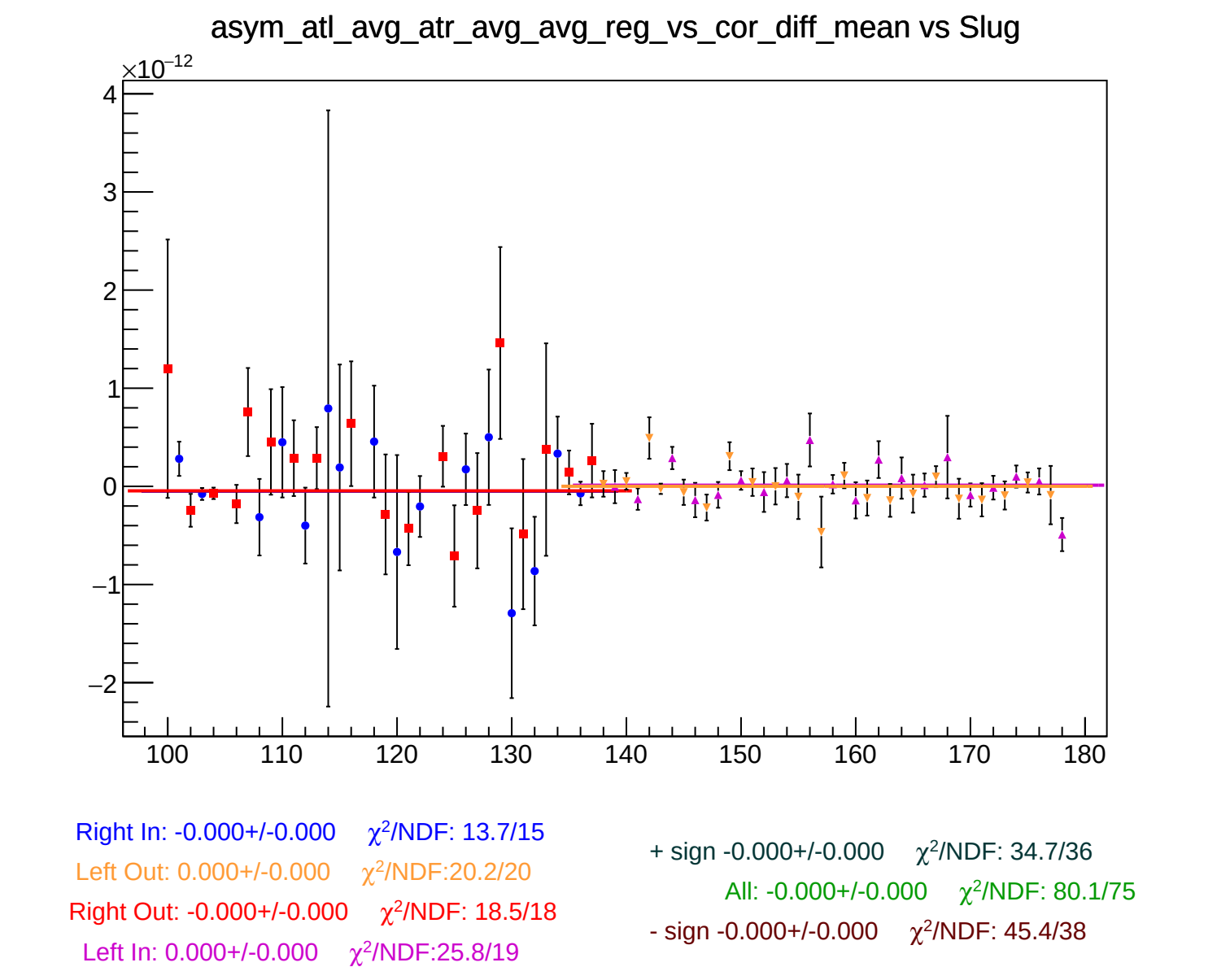
Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

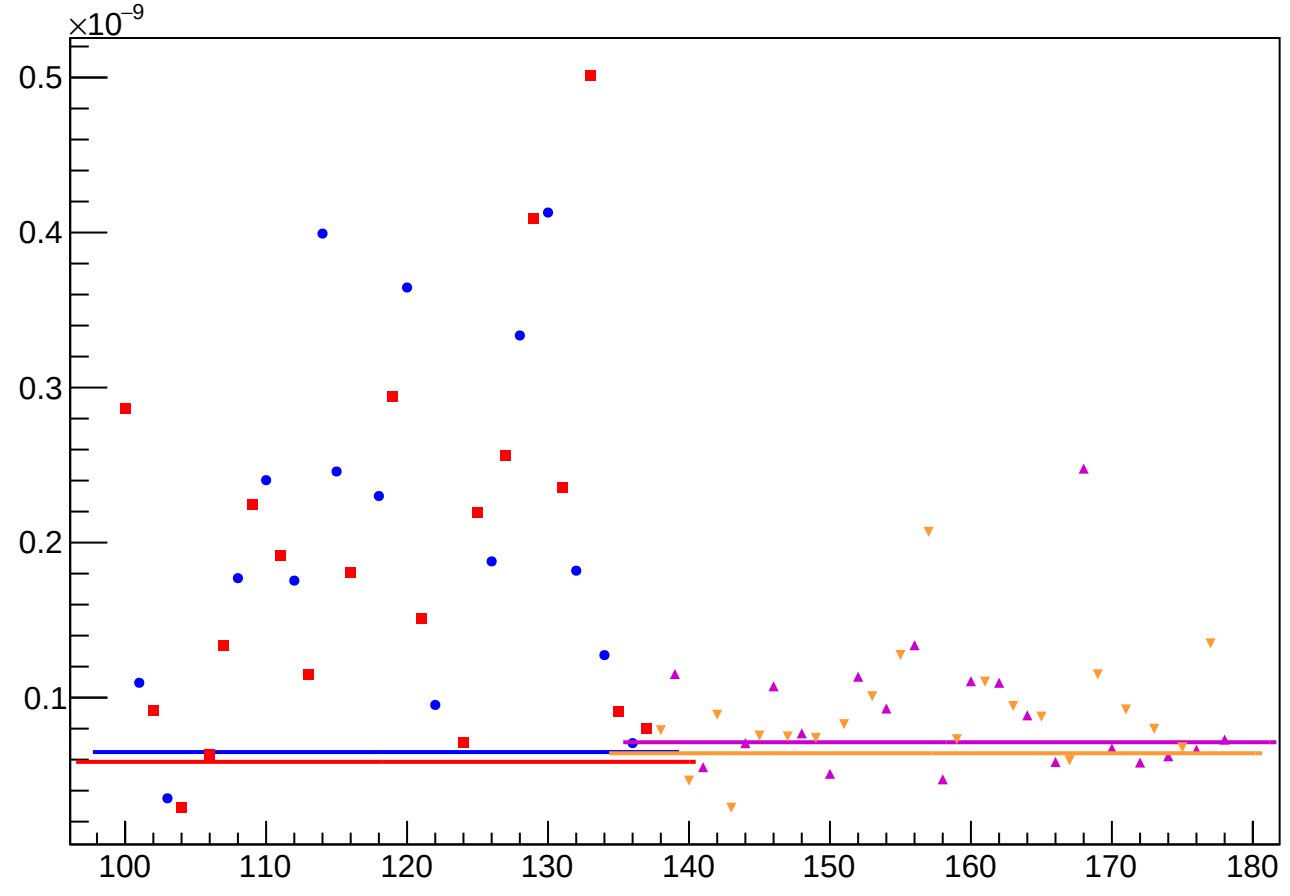
Left In: 5049.722+/-0.899 χ^2/NDF:949425.1/19

+ sign 4203.272+/-0.642 χ^2/NDF: 4388984.7/36

All: 4200.450+/-0.456 χ^2/NDF: 9076853.2/75

- sign 4197.576+/-0.647 χ^2/NDF: 4687829.5/38


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 13.7/15
Left Out: 0.000+/-0.000 χ²/NDF:20.2/20
Right Out: -0.000+/-0.000 χ²/NDF: 18.5/18
Left In: 0.000+/-0.000 χ²/NDF:25.8/19
+ sign -0.000+/-0.000 χ²/NDF: 34.7/36
All: -0.000+/-0.000 χ²/NDF: 80.1/75
- sign -0.000+/-0.000 χ²/NDF: 45.4/38



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2212067.5/20

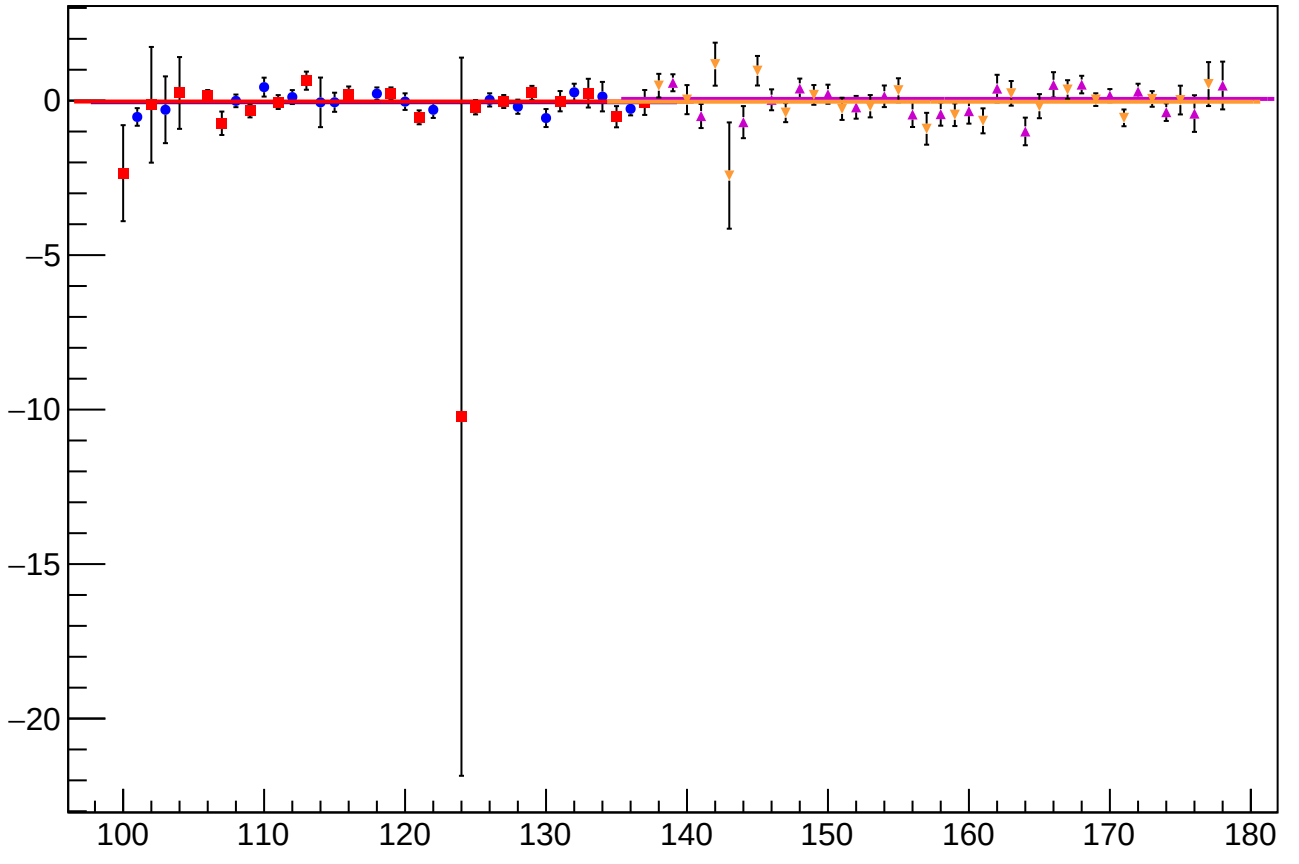
Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1319885.9/19

+ sign 0.000+/-0.000 χ^2/NDF: 4805357.8/36

All: 0.000+/-0.000 χ^2/NDF: 9095998.5/75

- sign 0.000+/-0.000 χ^2/NDF: 4274595.2/38



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.035+/-0.079 χ^2/NDF:27.9/20

Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

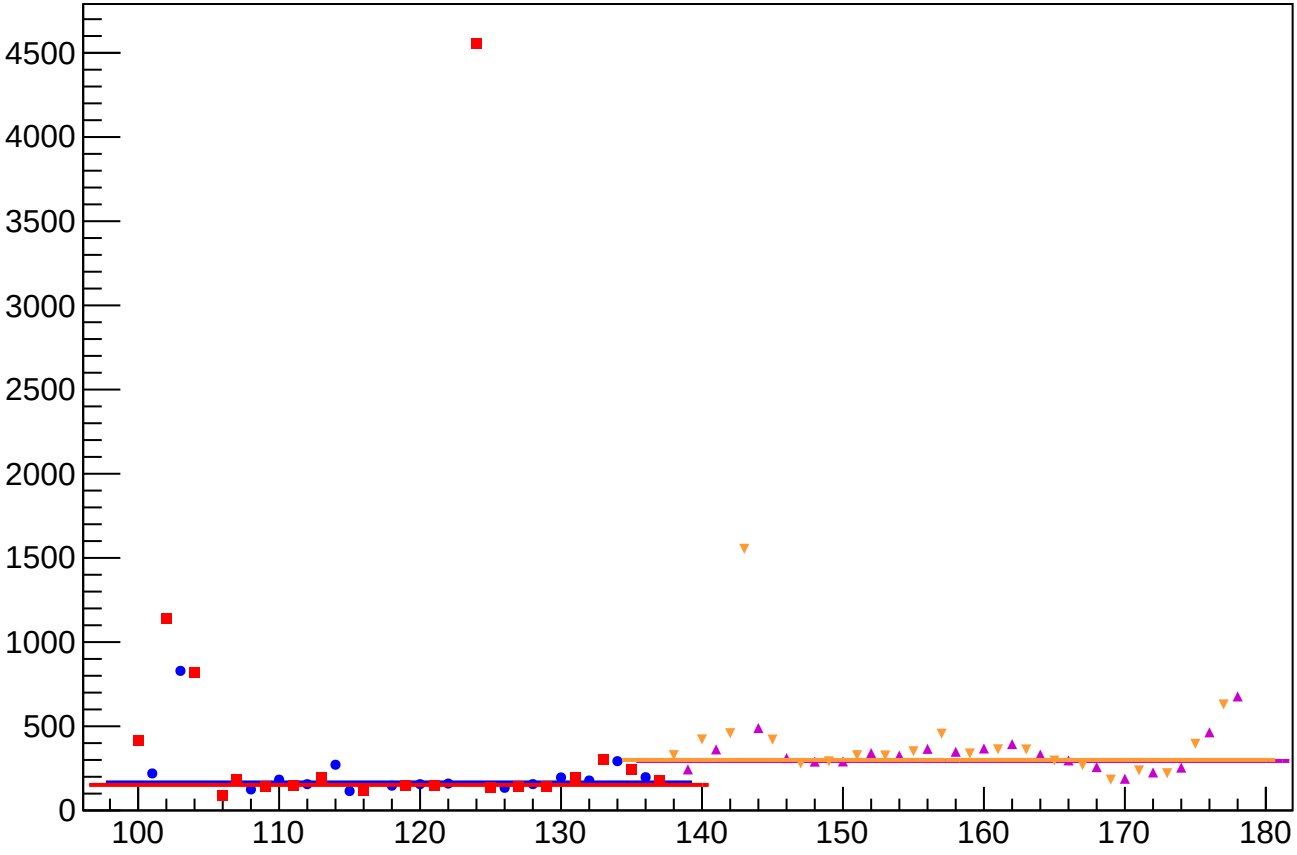
Left In: 0.055+/-0.077 χ^2/NDF:28.3/19

+ sign -0.044+/-0.051 χ^2/NDF: 42.8/36

All: -0.018+/-0.035 χ^2/NDF: 99.9/75

- sign 0.006+/-0.049 χ^2/NDF: 56.5/38

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: 300.025+/-0.056 χ^2/NDF:3295358.9/20

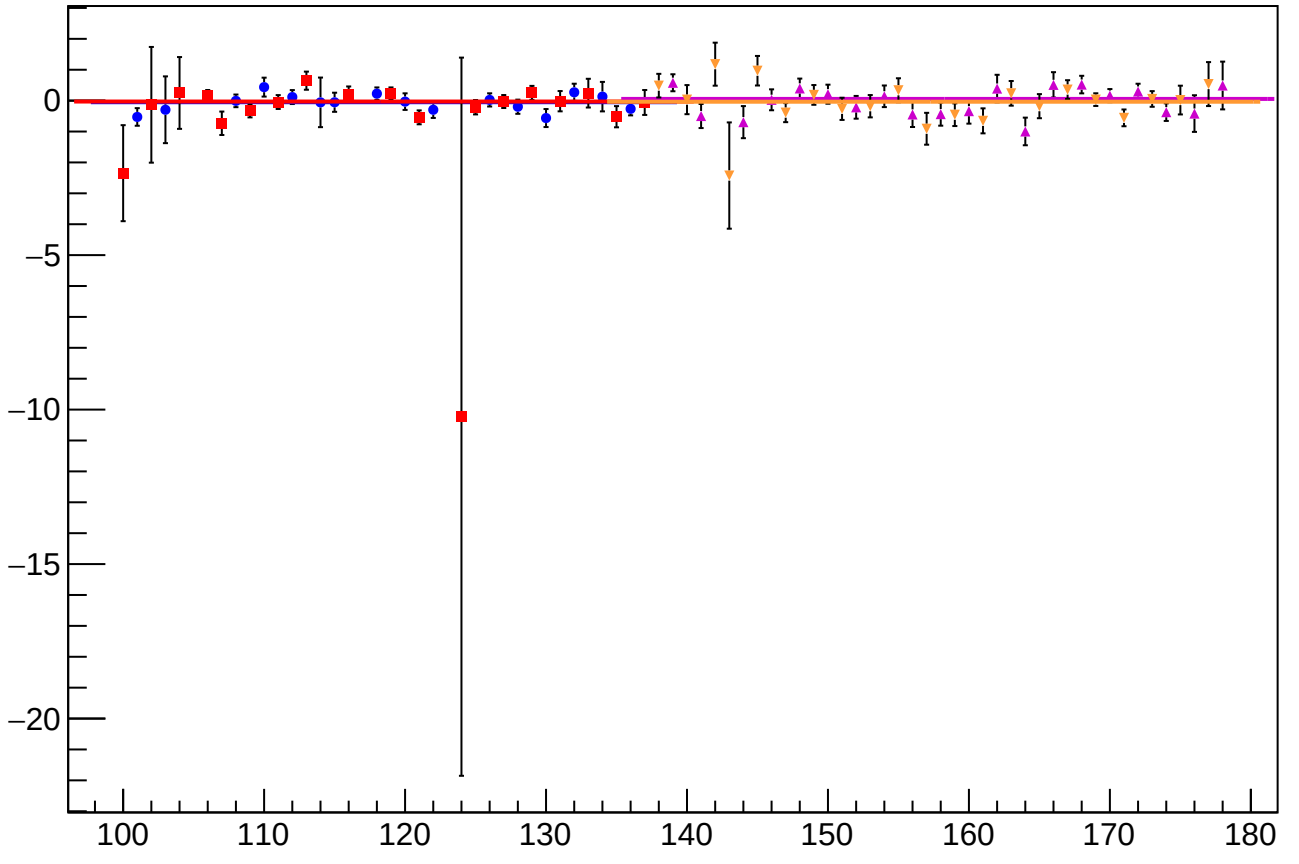
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 293.949+/-0.054 χ^2/NDF:2121901.6/19

+ sign 222.166+/-0.036 χ^2/NDF: 7928628.1/36

All: 215.995+/-0.025 χ^2/NDF: 16478078.0/75

- sign 210.254+/-0.035 χ^2/NDF: 8492763.9/38



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.035+/-0.079 χ^2/NDF:27.9/20

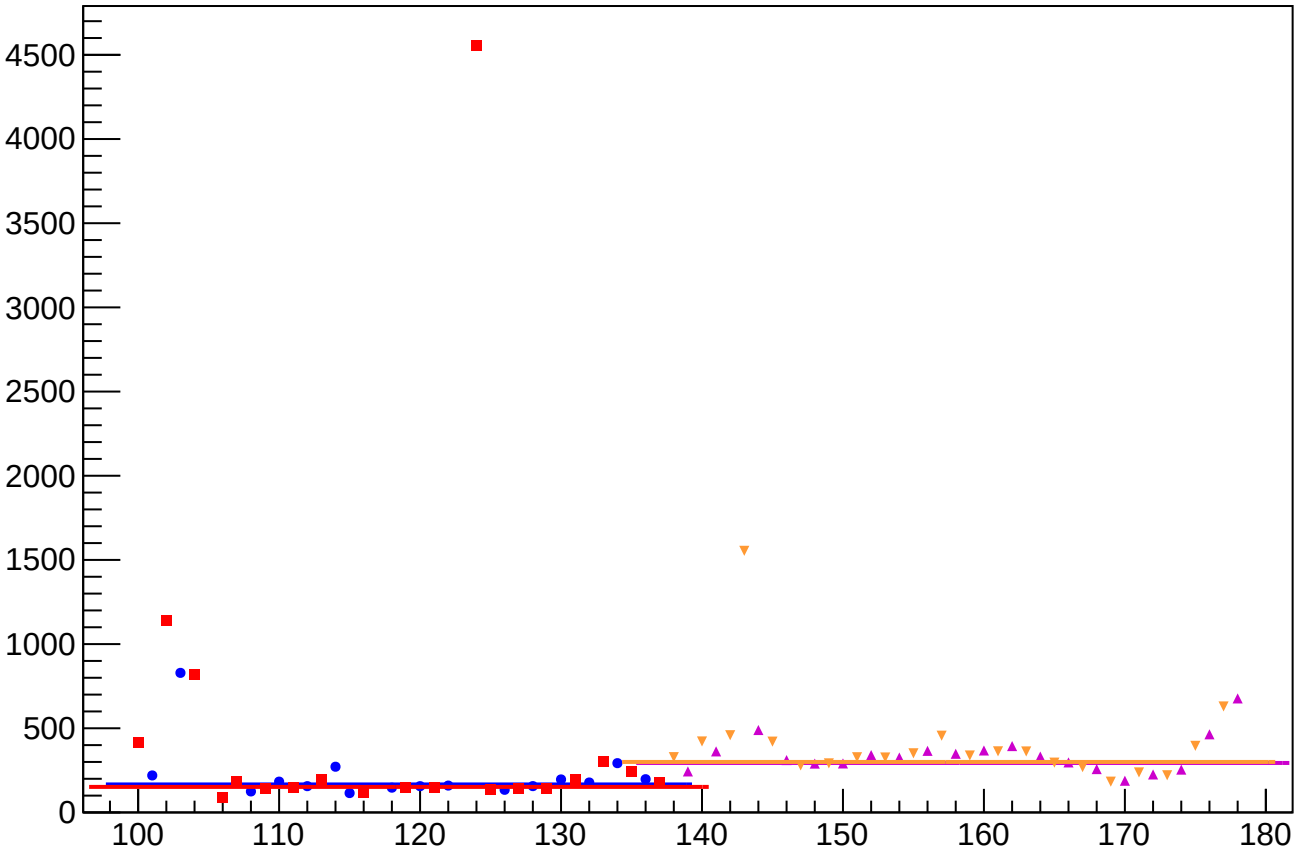
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.055+/-0.077 χ^2/NDF:28.3/19

+ sign -0.044+/-0.051 χ^2/NDF: 42.8/36

All: -0.018+/-0.035 χ^2/NDF: 99.9/75

- sign 0.006+/-0.049 χ^2/NDF: 56.5/38



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 300.025+/-0.056 χ^2/NDF:3295358.9/20

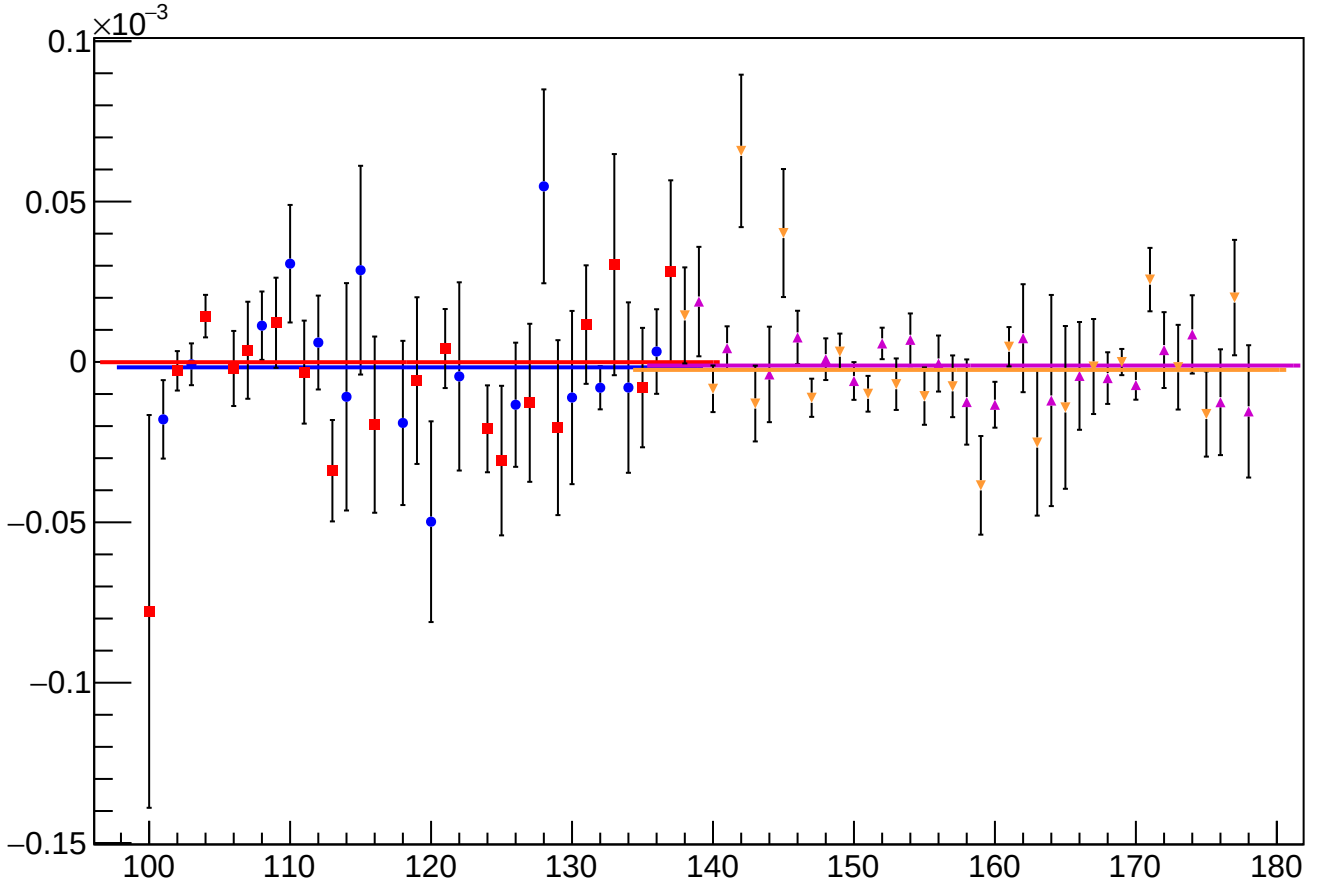
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 293.949+/-0.054 χ^2/NDF:2121901.6/19

+ sign 222.166+/-0.036 χ^2/NDF: 7928628.1/36

All: 215.995+/-0.025 χ^2/NDF: 16478078.0/75

- sign 210.254+/-0.035 χ^2/NDF: 8492763.9/38



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:41.1/20

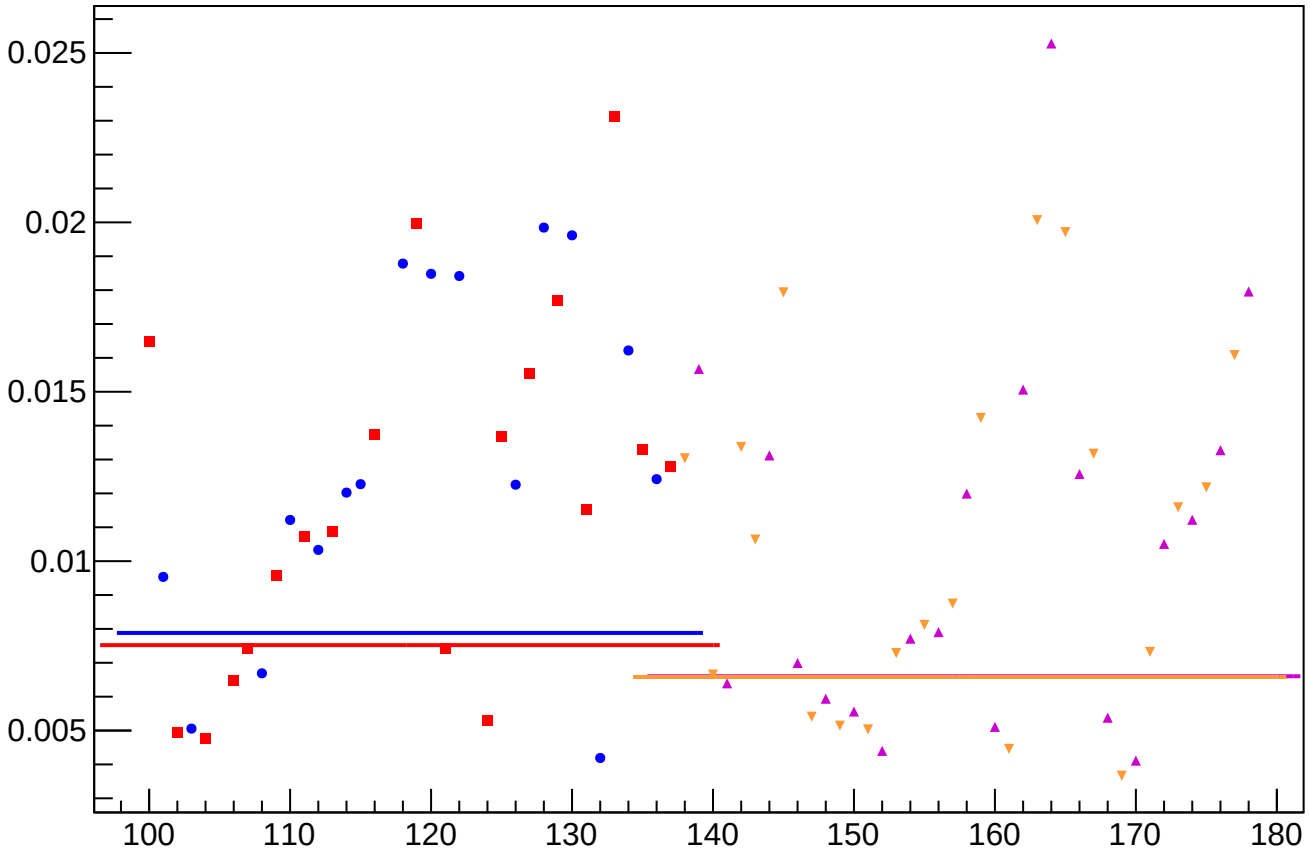
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:14.7/19

+ sign -0.000+/-0.000 χ^2/NDF: 56.6/36

All: -0.000+/-0.000 χ^2/NDF: 91.7/75

- sign -0.000+/-0.000 χ^2/NDF: 34.6/38



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:6553673.5/20

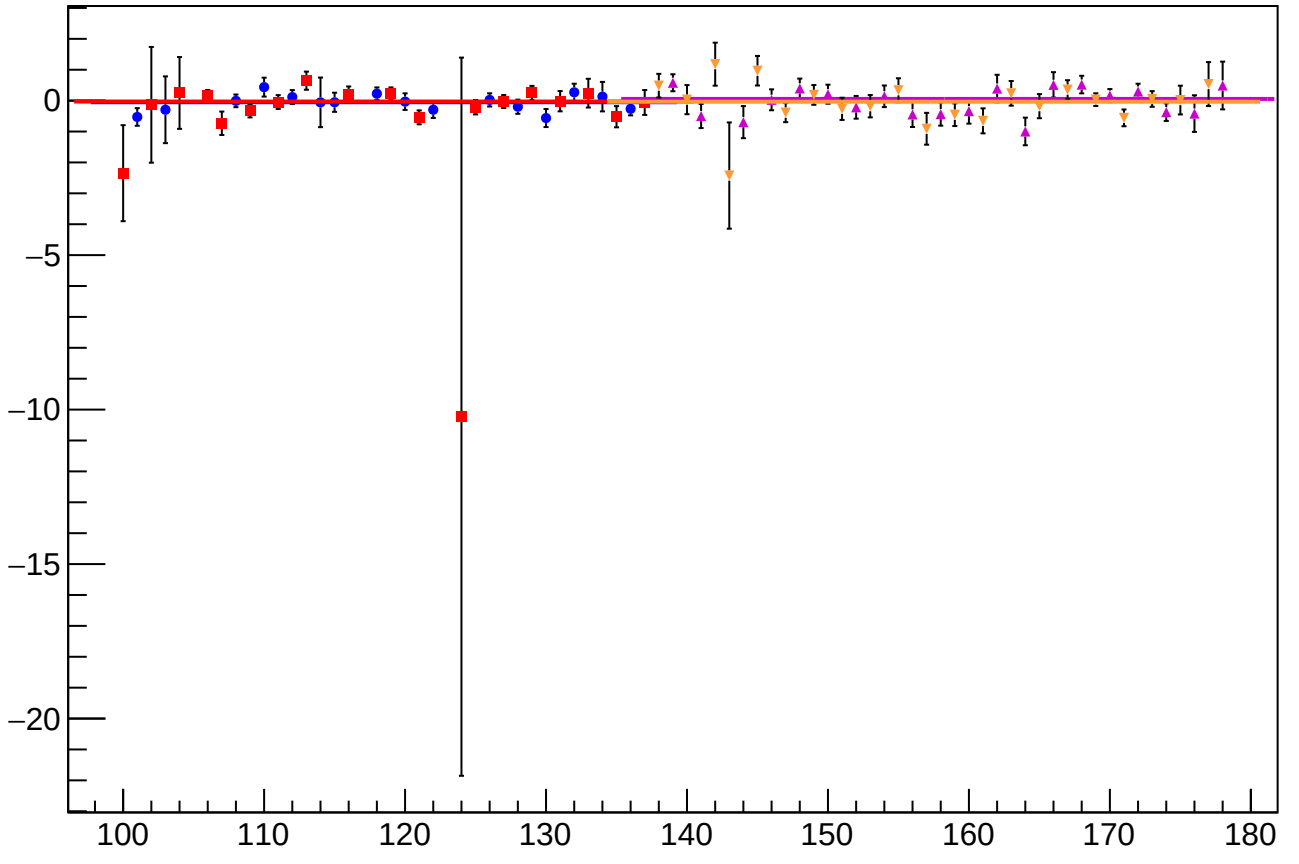
Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.007+/-0.000 χ^2/NDF:5418804.8/19

+ sign 0.007+/-0.000 χ^2/NDF: 10080498.9/36

All: 0.007+/-0.000 χ^2/NDF: 18601410.9/75

- sign 0.007+/-0.000 χ^2/NDF: 8520448.5/38



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.035+/-0.079 χ^2/NDF:27.9/20

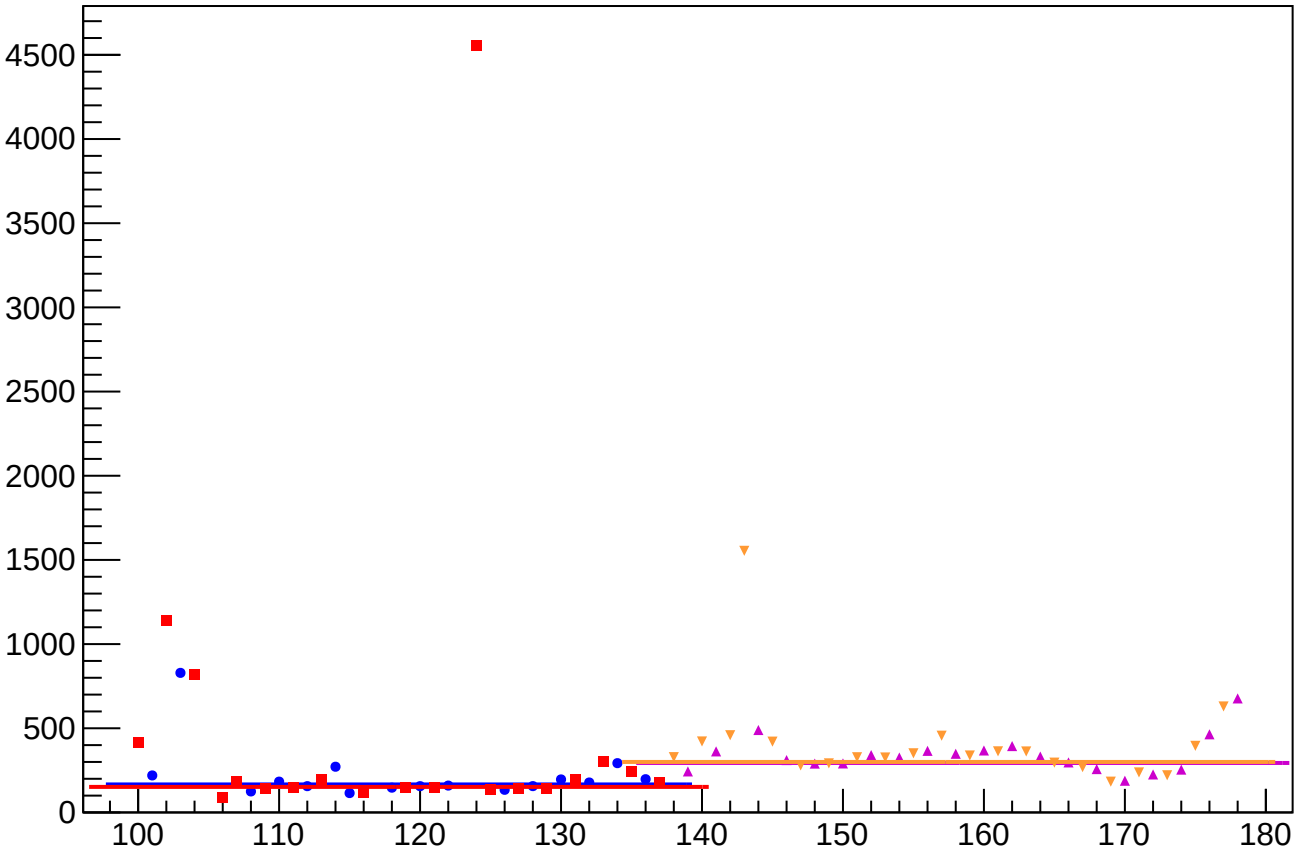
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.055+/-0.077 χ^2/NDF:28.3/19

+ sign -0.044+/-0.051 χ^2/NDF: 42.8/36

All: -0.018+/-0.035 χ^2/NDF: 99.9/75

- sign 0.006+/-0.049 χ^2/NDF: 56.5/38



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 300.025+/-0.056 χ^2/NDF:3295533.2/20

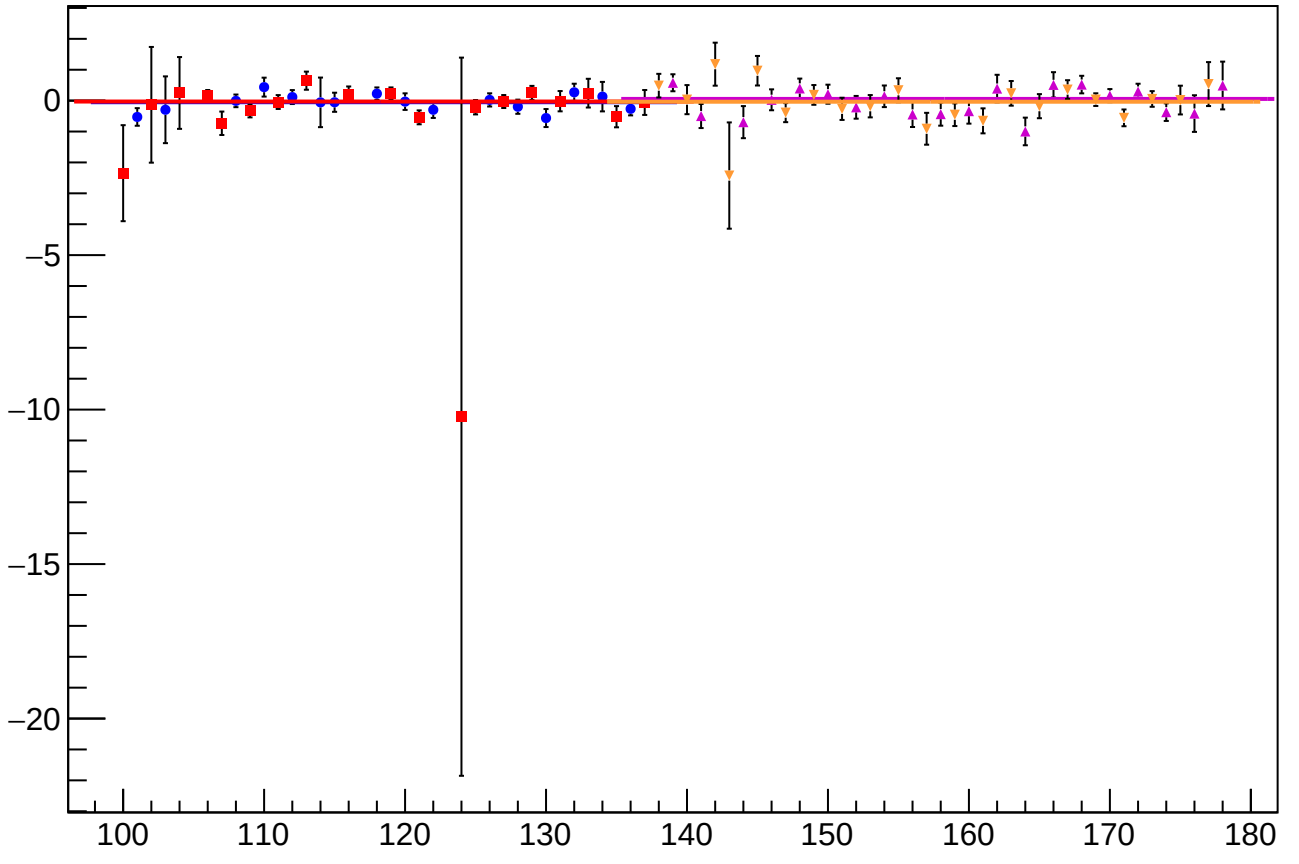
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 293.951+/-0.054 χ^2/NDF:2122030.5/19

+ sign 222.165+/-0.036 χ^2/NDF: 7928832.7/36

All: 215.994+/-0.025 χ^2/NDF: 16478554.7/75

- sign 210.252+/-0.035 χ^2/NDF: 8493032.4/38



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.035+/-0.079 χ^2/NDF:27.9/20

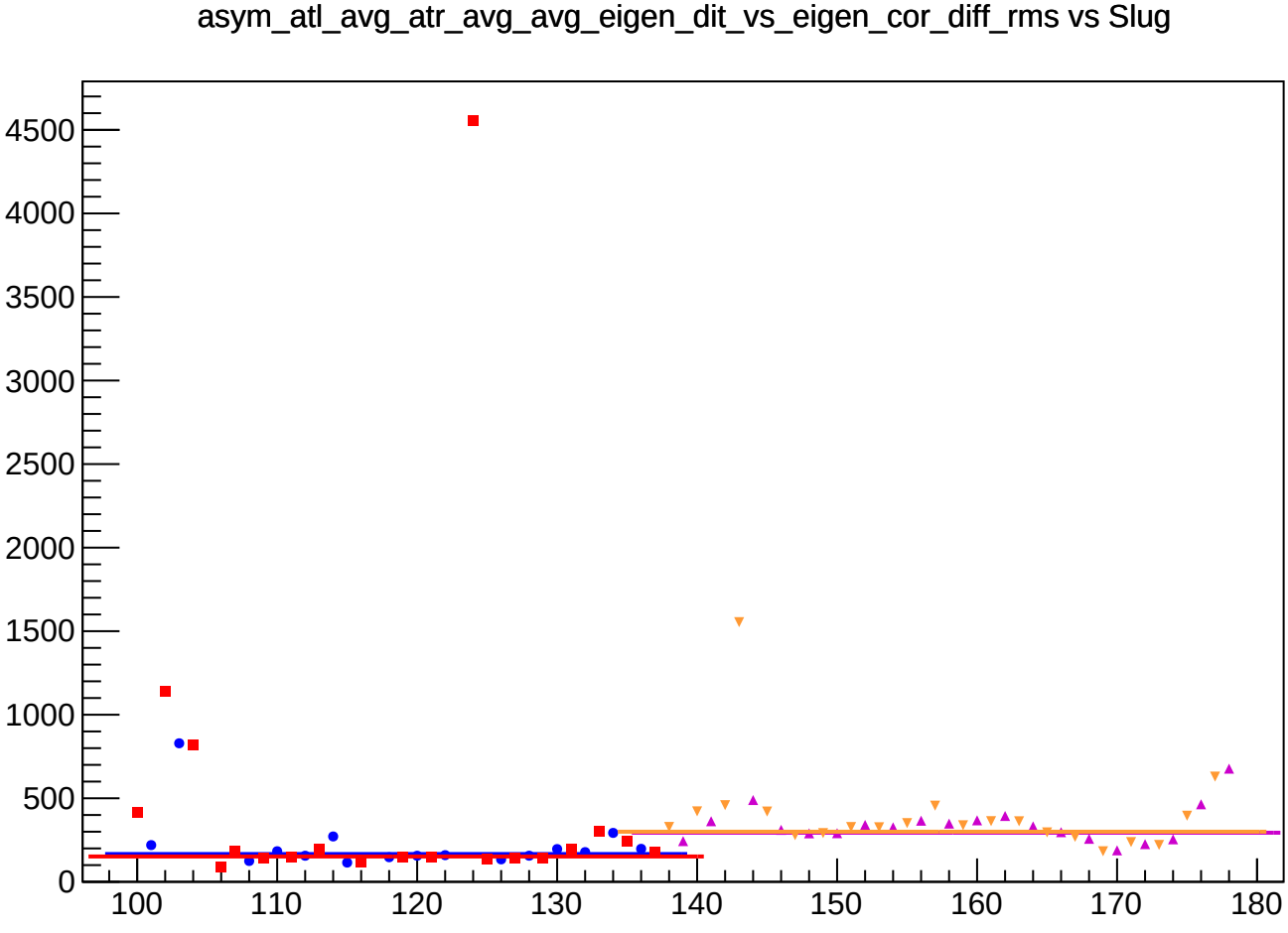
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.055+/-0.077 χ^2/NDF:28.3/19

+ sign -0.044+/-0.051 χ^2/NDF: 42.8/36

All: -0.018+/-0.035 χ^2/NDF: 99.9/75

- sign 0.006+/-0.049 χ^2/NDF: 56.5/38



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 300.025+/-0.056 χ^2/NDF:3295533.2/20

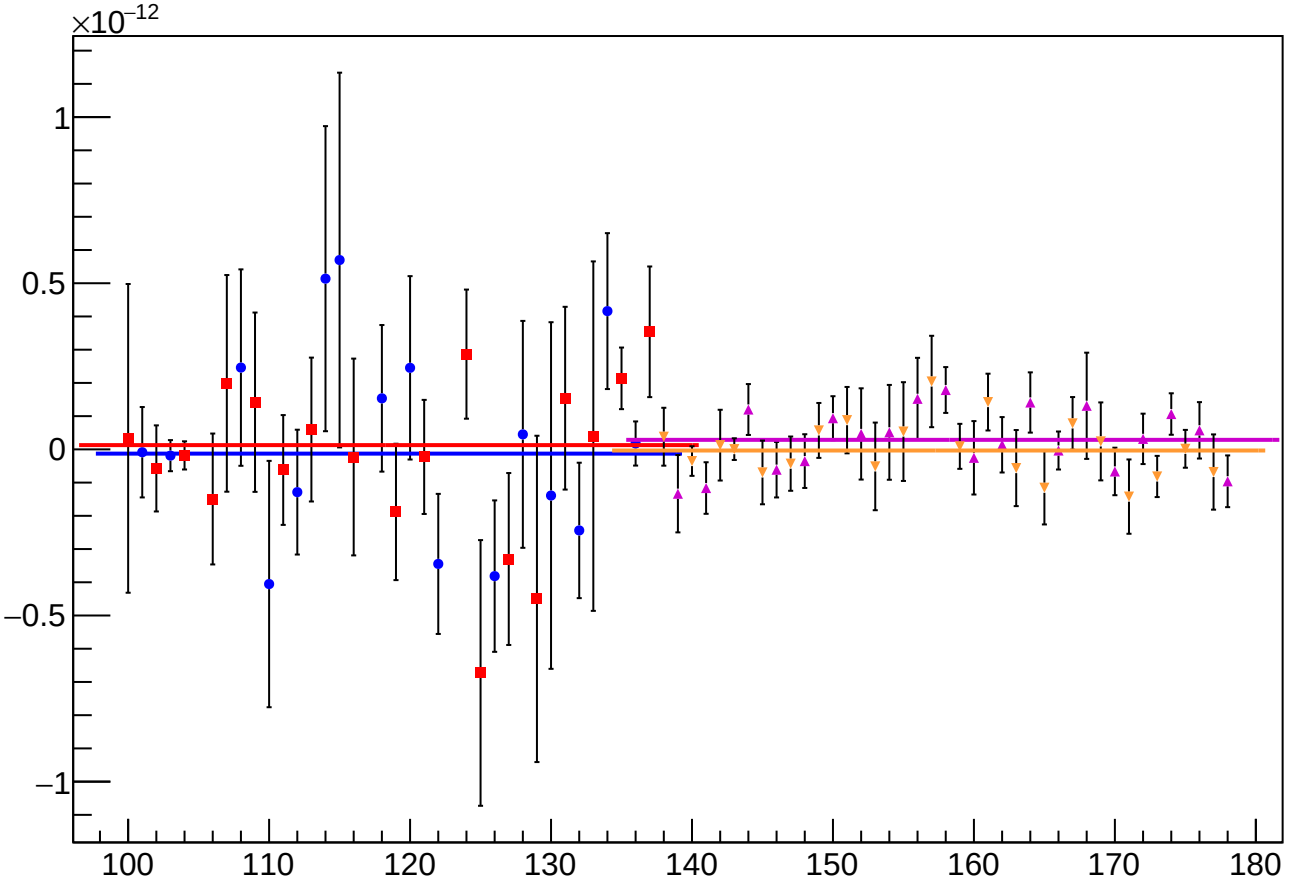
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 293.951+/-0.054 χ^2/NDF:2122030.5/19

+ sign 222.165+/-0.036 χ^2/NDF: 7928832.7/36

All: 215.994+/-0.025 χ^2/NDF: 16478554.7/75

- sign 210.252+/-0.035 χ^2/NDF: 8493032.4/38



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.2/20

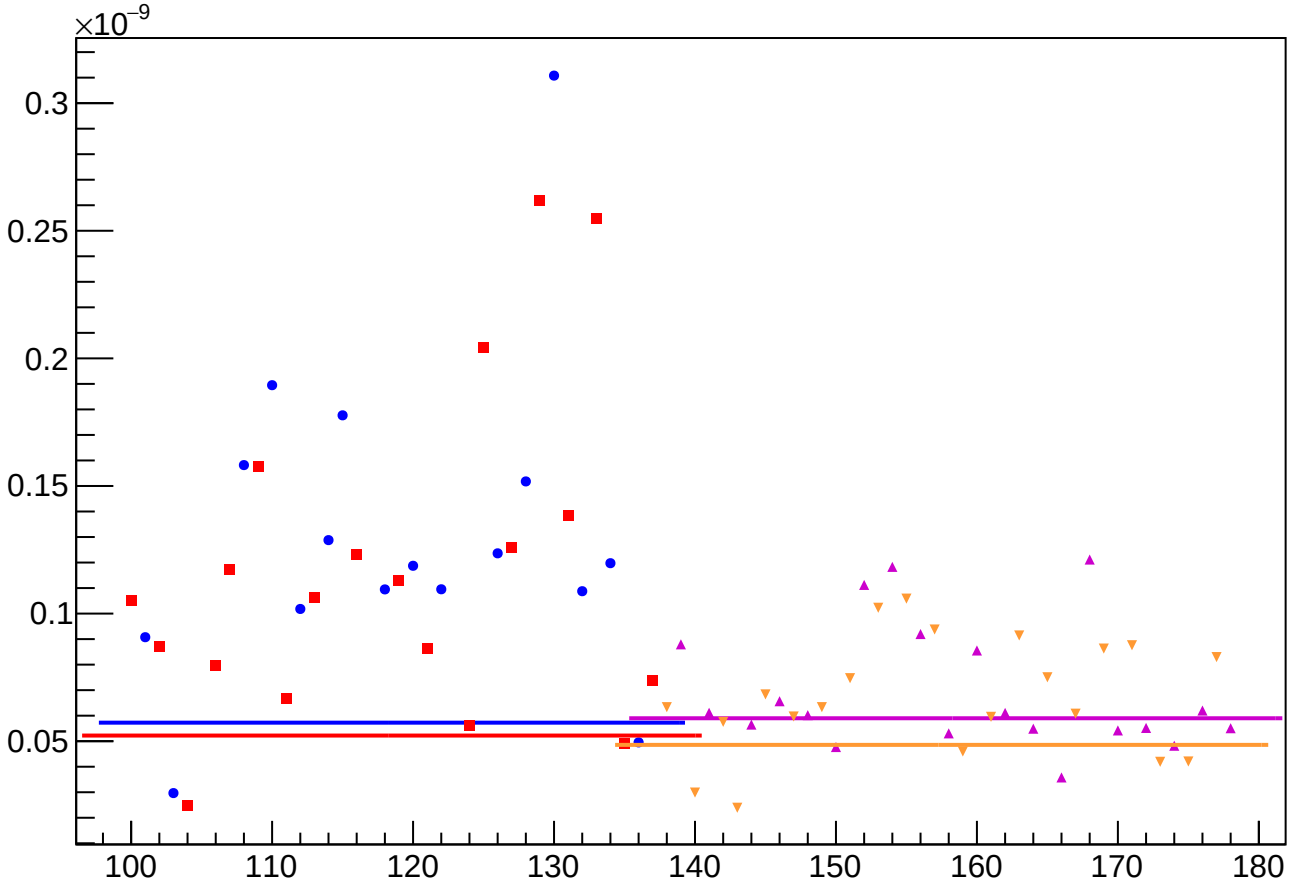
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:23.9/19

+ sign -0.000+/-0.000 χ^2/NDF: 30.4/36

All: 0.000+/-0.000 χ^2/NDF: 75.3/75

- sign 0.000+/-0.000 χ^2/NDF: 43.0/38



Right In: 0.000+/-0.000 χ^2/NDF: 2983121.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:3895195.0/20

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

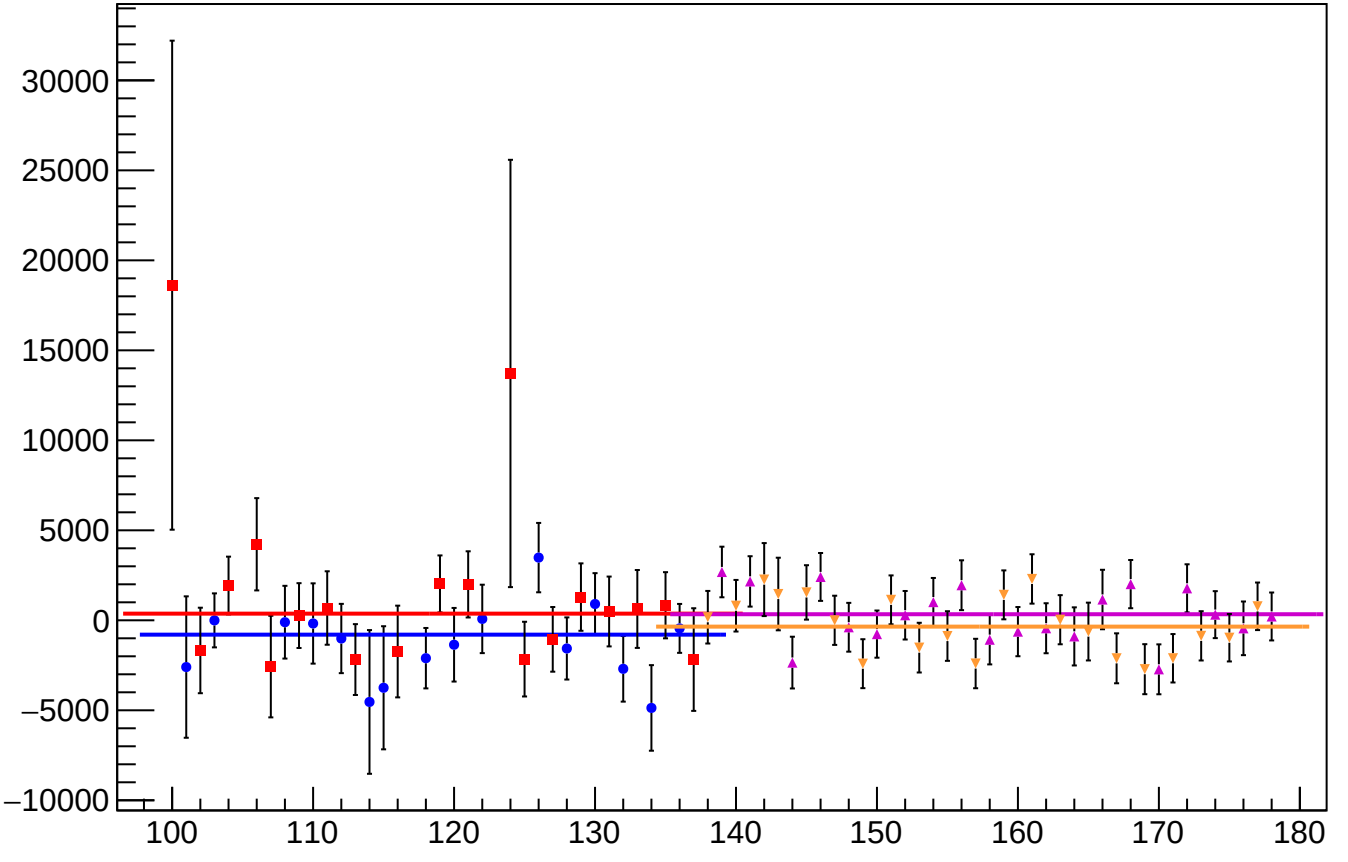
Left In: 0.000+/-0.000 χ^2/NDF:1825092.0/19

+ sign 0.000+/-0.000 χ^2/NDF: 6990731.6/36

All: 0.000+/-0.000 χ^2/NDF: 12382831.9/75

- sign 0.000+/-0.000 χ^2/NDF: 5181810.4/38

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: -351.151+/-310.829 χ^2/NDF:24.3/20

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

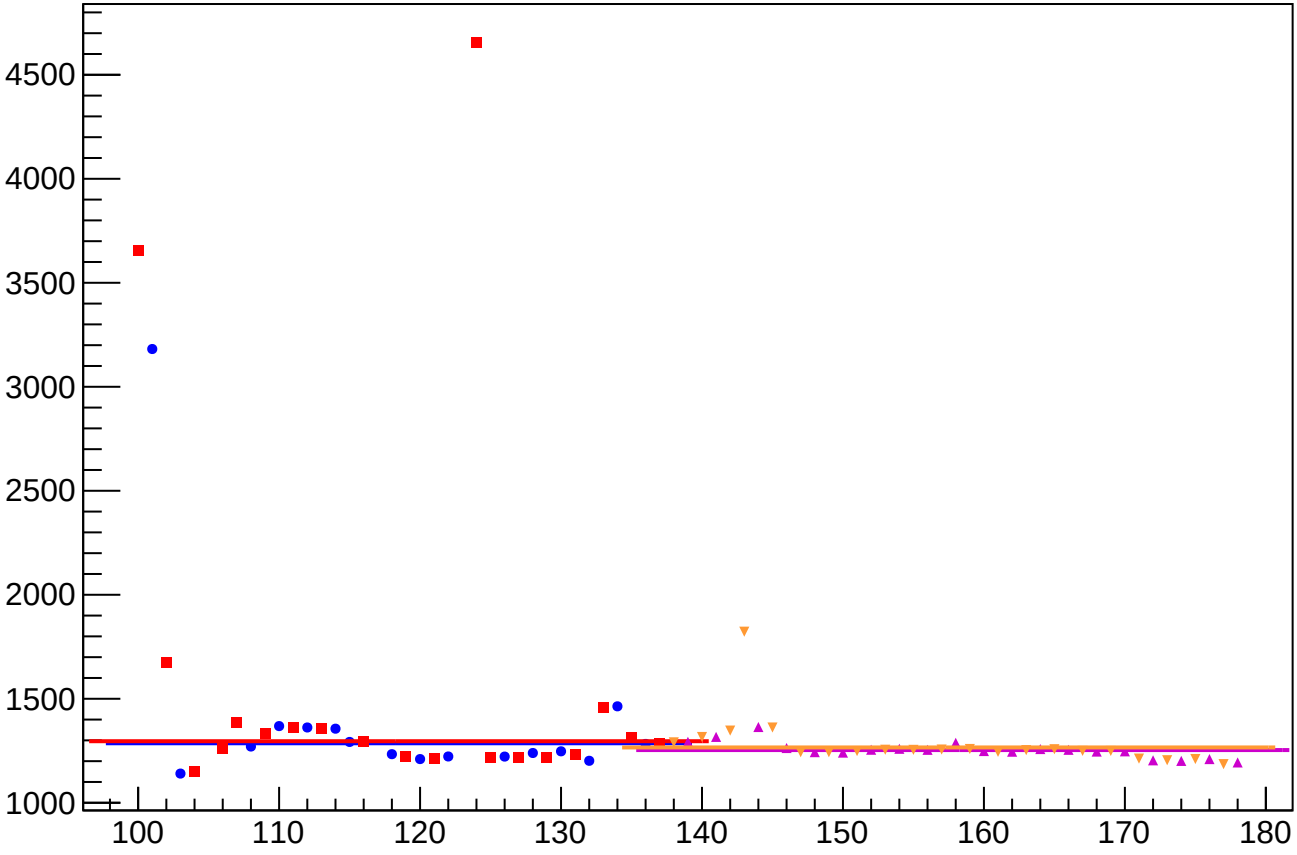
Left In: 337.553+/-310.167 χ^2/NDF:23.6/19

+ sign -480.115+/-262.081 χ^2/NDF: 38.3/36

All: -65.555+/-185.089 χ^2/NDF: 82.5/75

- sign 346.952+/-261.431 χ^2/NDF: 39.2/38

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1265.948+/-0.220 χ^2/NDF:187824.7/20

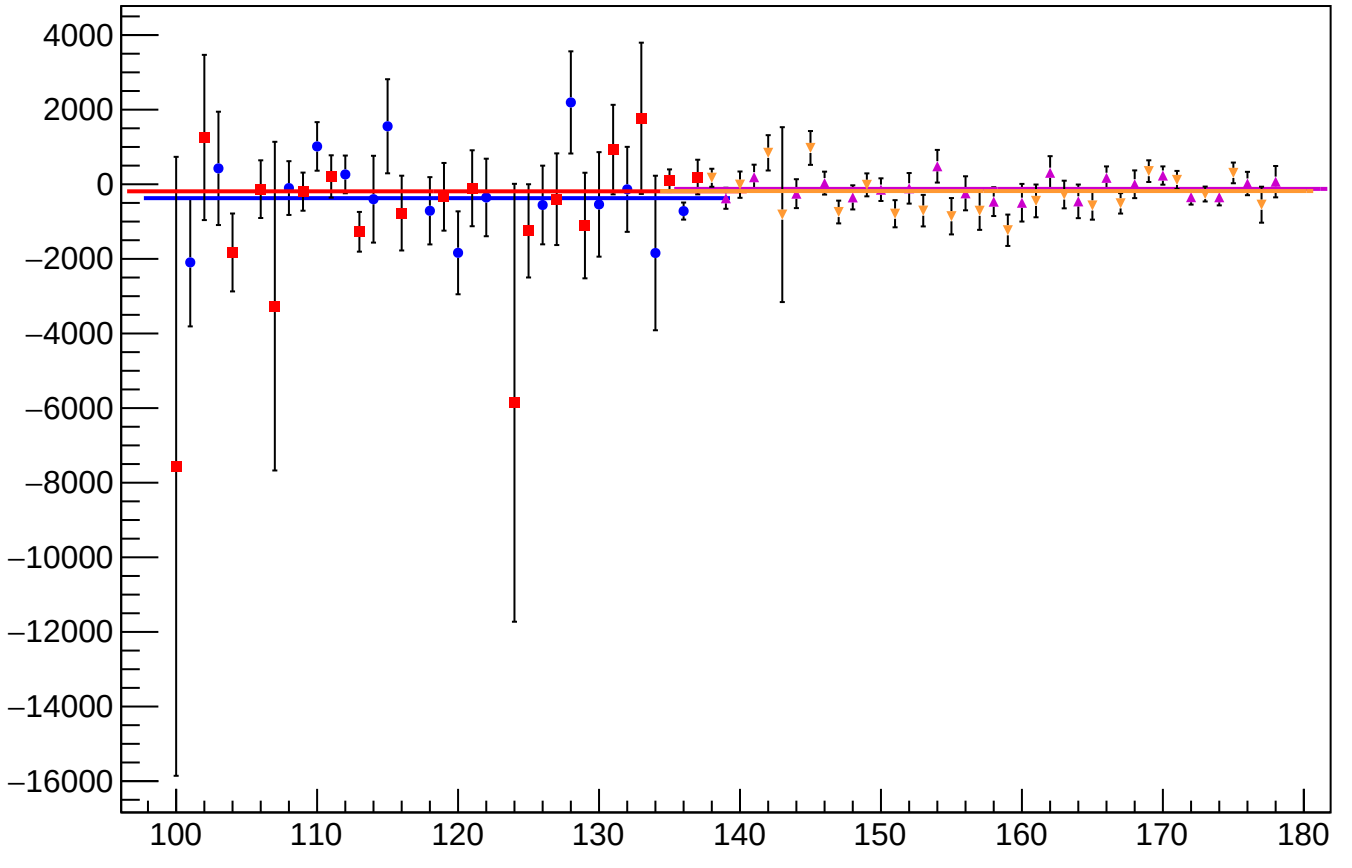
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1253.384+/-0.219 χ^2/NDF:31113.9/19

+ sign 1271.773+/-0.185 χ^2/NDF: 708381.0/36

All: 1268.733+/-0.131 χ^2/NDF: 1079005.4/75

- sign 1265.708+/-0.185 χ^2/NDF: 370087.5/38



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -181.967+/-73.159 χ^2/NDF:42.5/20

Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

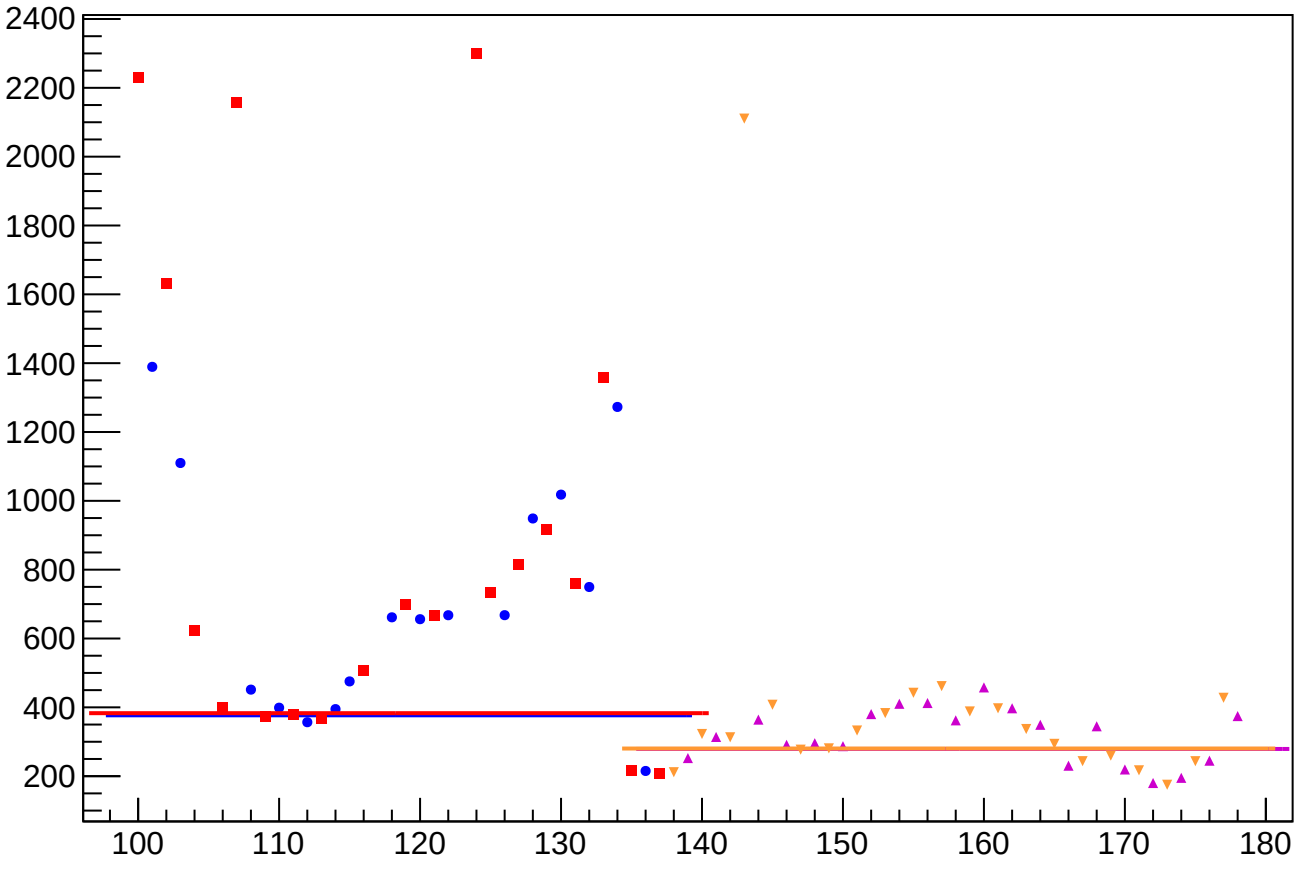
Left In: -123.878+/-72.178 χ^2/NDF:13.2/19

+ sign -212.250+/-67.088 χ^2/NDF: 61.7/36

All: -172.657+/-47.198 χ^2/NDF: 90.4/75

- sign -133.858+/-66.412 χ^2/NDF: 28.0/38

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 280.319+/-0.052 χ^2/NDF:3492094.4/20

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

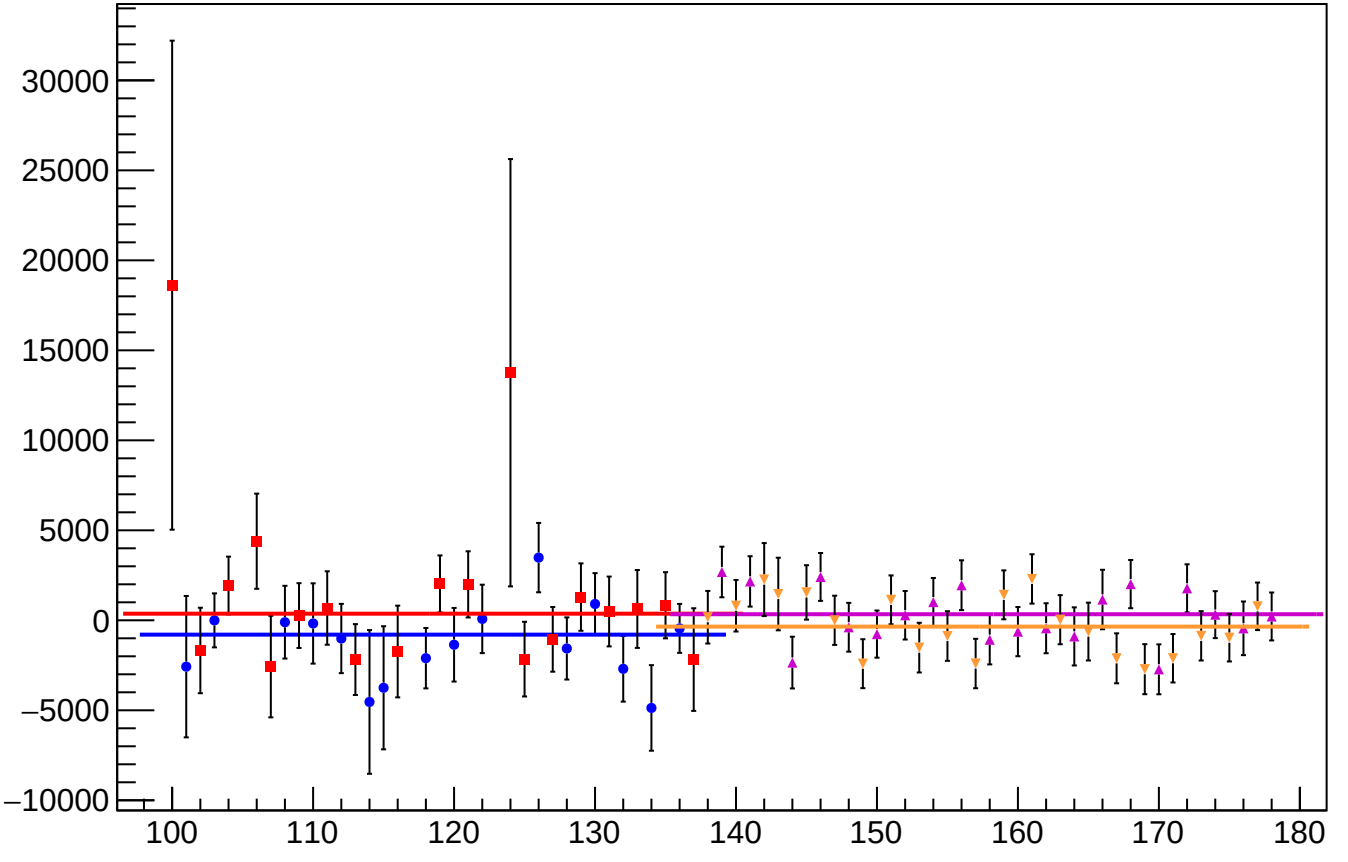
Left In: 279.102+/-0.051 χ^2/NDF:2292660.1/19

+ sign 295.682+/-0.047 χ^2/NDF: 8236701.7/36

All: 295.363+/-0.033 χ^2/NDF: 15220103.5/75

- sign 295.050+/-0.047 χ^2/NDF: 6983312.1/38

cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -351.144+/-310.829 χ^2/NDF:24.3/20

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

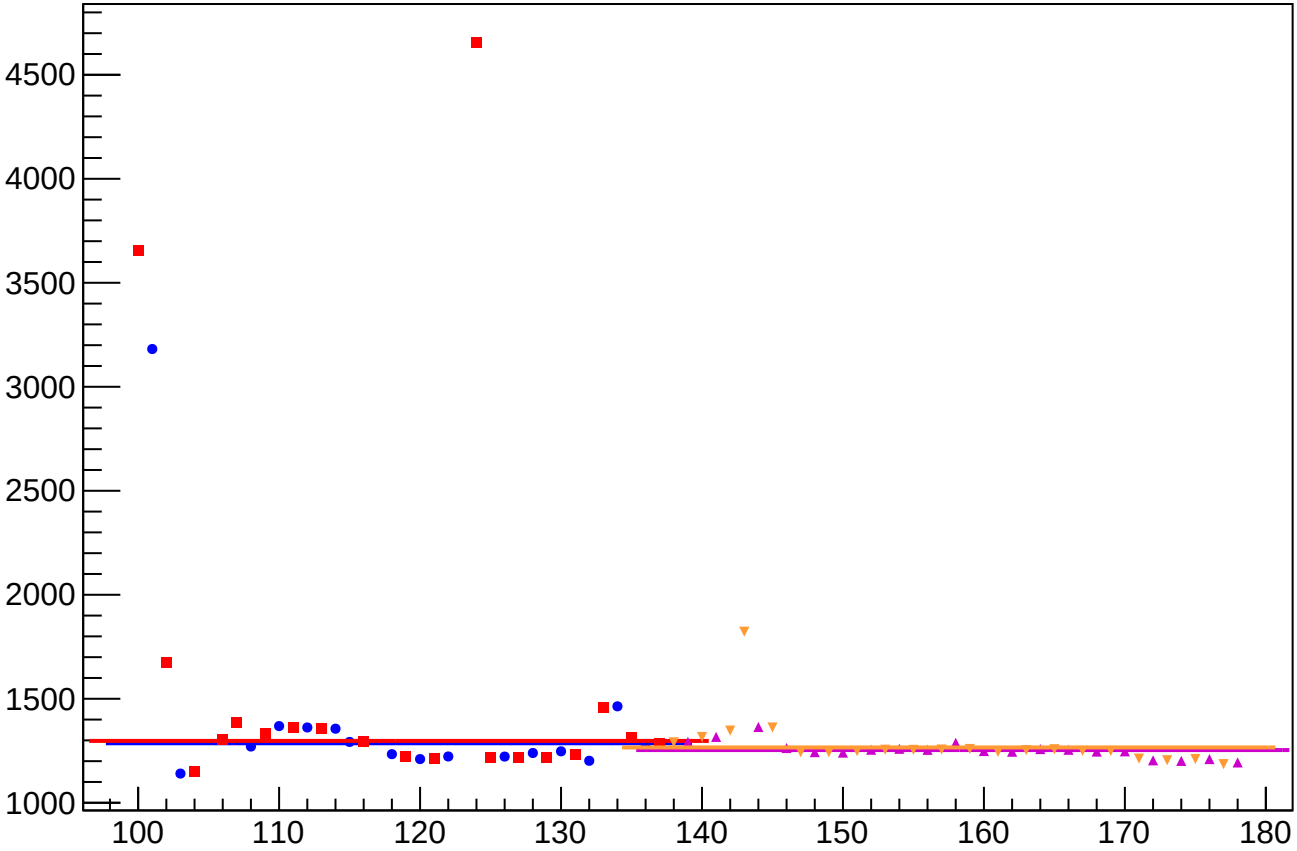
Left In: 337.523+/-310.167 χ^2/NDF:23.6/19

+ sign -479.994+/-262.081 χ^2/NDF: 38.3/36

All: -66.008+/-185.118 χ^2/NDF: 82.6/75

- sign 346.183+/-261.512 χ^2/NDF: 39.3/38

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1265.948+/-0.220 χ^2/NDF:187824.7/20

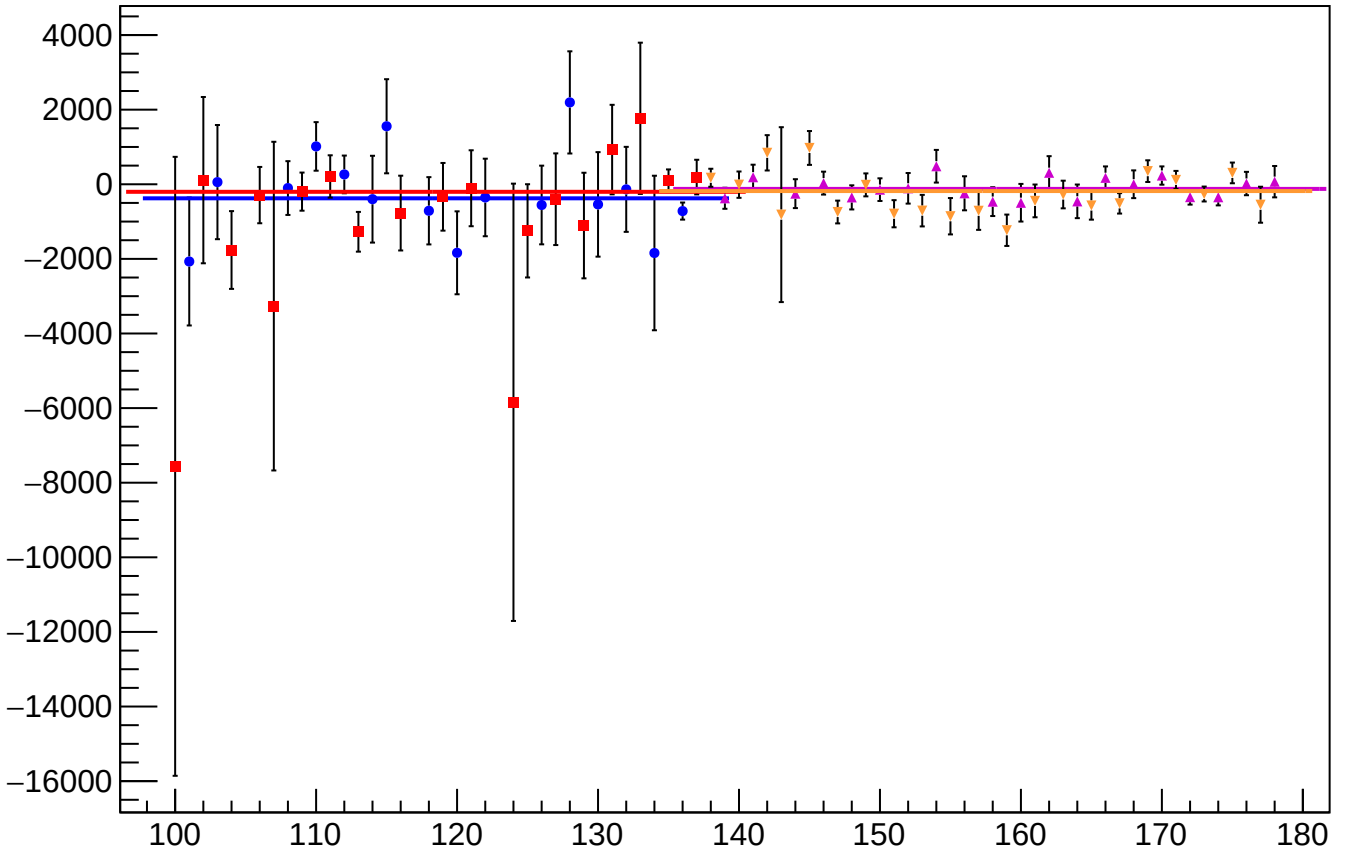
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1253.384+/-0.219 χ^2/NDF:31113.9/19

+ sign 1271.773+/-0.185 χ^2/NDF: 708382.4/36

All: 1268.934+/-0.131 χ^2/NDF: 1079348.2/75

- sign 1266.108+/-0.185 χ^2/NDF: 370497.7/38



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -181.964+/-73.161 χ^2/NDF:42.5/20

Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

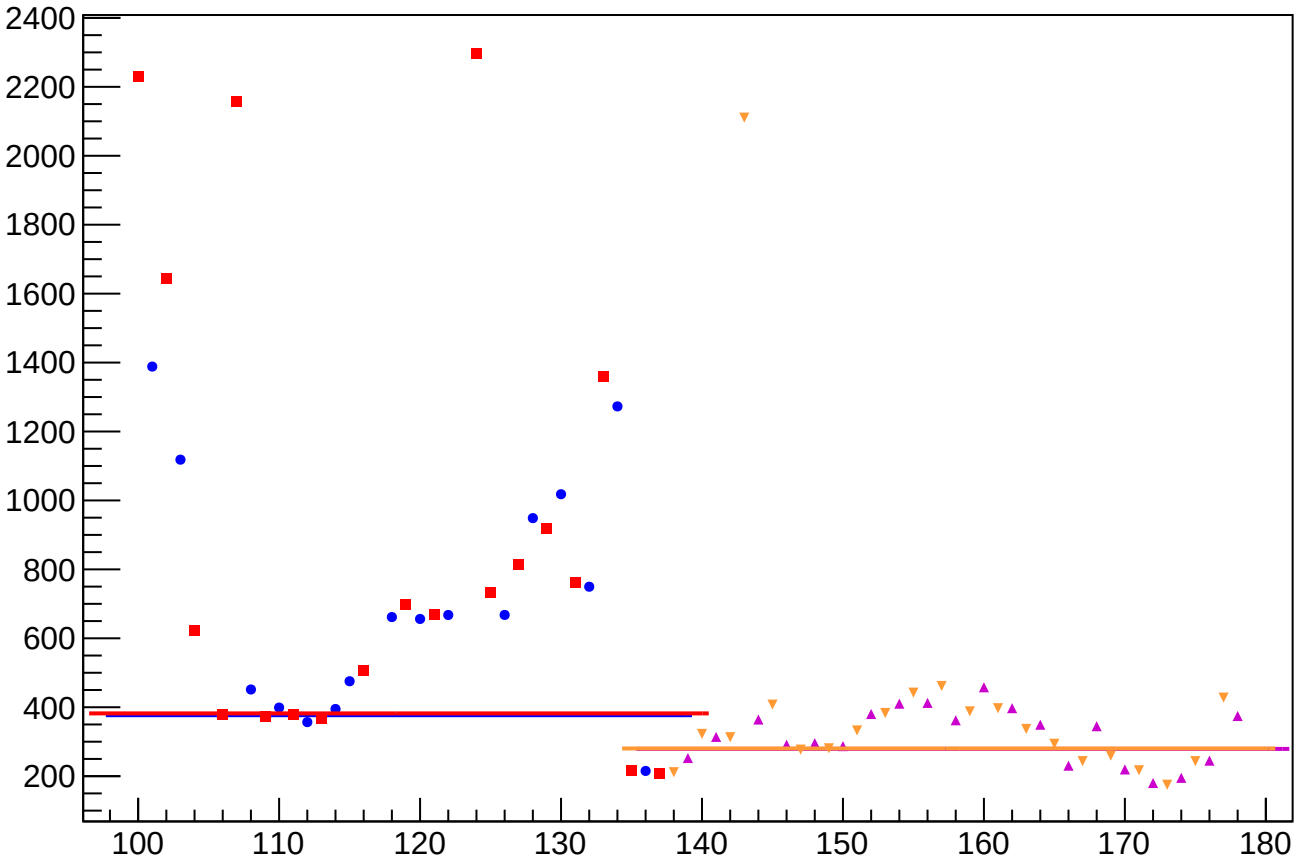
Left In: -123.963+/-72.180 χ^2/NDF:13.2/19

+ sign -212.949+/-67.091 χ^2/NDF: 61.6/36

All: -174.066+/-47.195 χ^2/NDF: 89.7/75

- sign -135.978+/-66.402 χ^2/NDF: 27.4/38

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 280.328+/-0.052 χ^2/NDF:3491796.3/20

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

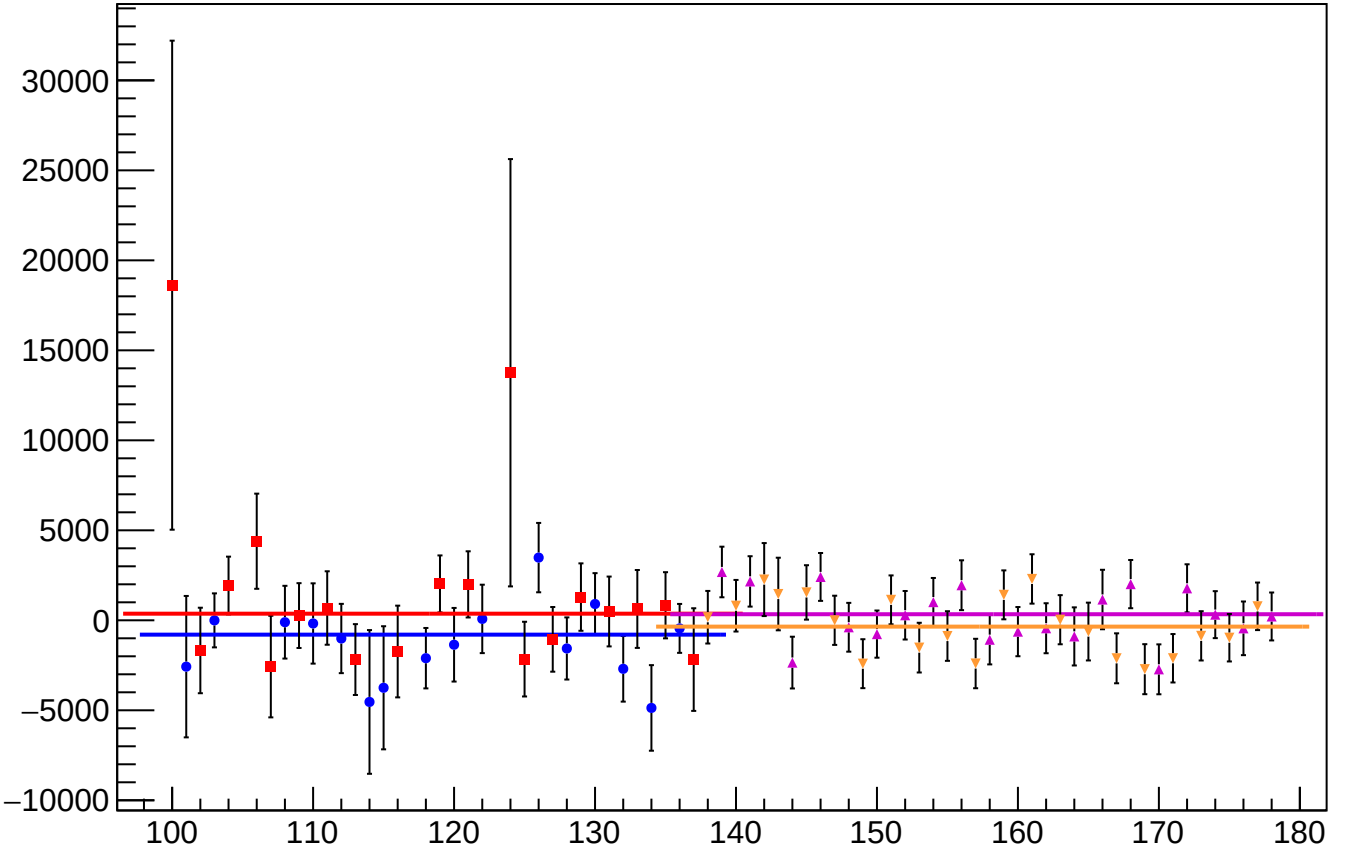
Left In: 279.109+/-0.051 χ^2/NDF:2292490.1/19

+ sign 295.686+/-0.047 χ^2/NDF: 8239213.7/36

All: 295.311+/-0.033 χ^2/NDF: 15217680.3/75

- sign 294.943+/-0.047 χ^2/NDF: 6978342.8/38

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: -351.144+/-310.829 χ^2/NDF:24.3/20

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

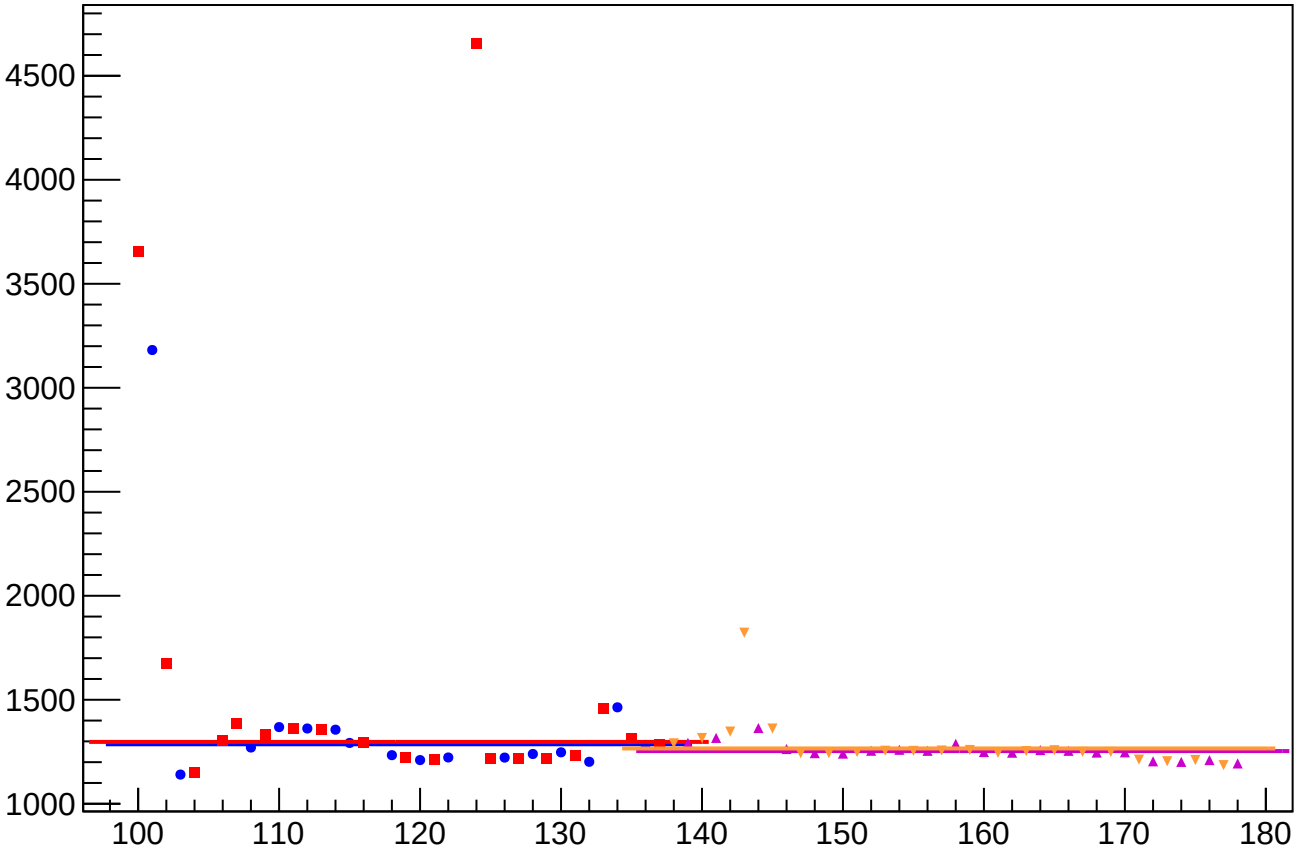
Left In: 337.523+/-310.167 χ^2/NDF:23.6/19

+ sign -479.994+/-262.081 χ^2/NDF: 38.3/36

All: -66.008+/-185.118 χ^2/NDF: 82.6/75

- sign 346.183+/-261.512 χ^2/NDF: 39.3/38

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: 1265.948+/-0.220 χ^2/NDF:187824.7/20

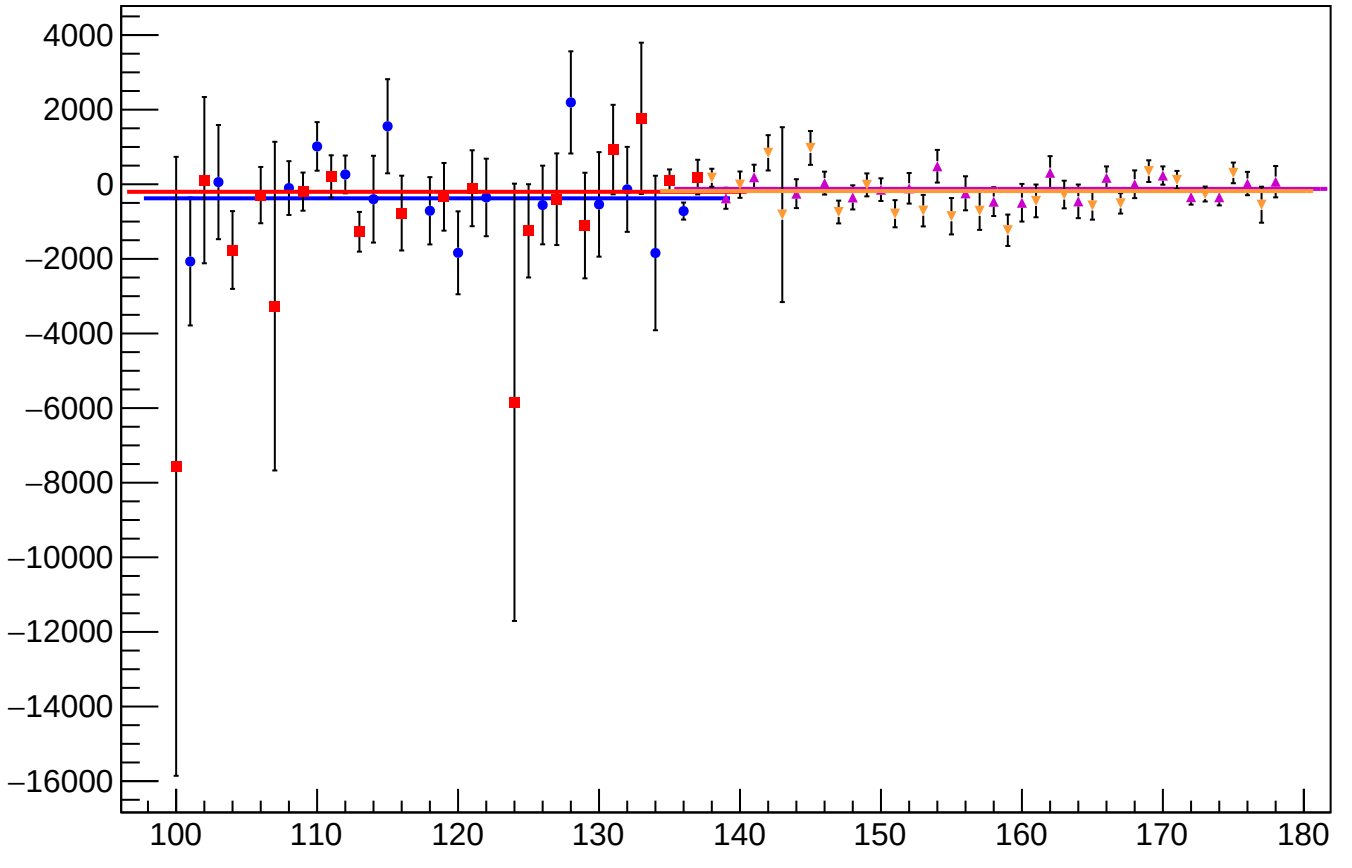
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1253.384+/-0.219 χ^2/NDF:31113.9/19

+ sign 1271.773+/-0.185 χ^2/NDF: 708382.4/36

All: 1268.934+/-0.131 χ^2/NDF: 1079348.2/75

- sign 1266.108+/-0.185 χ^2/NDF: 370497.7/38



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -181.964+/-73.161 χ^2/NDF:42.5/20

Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

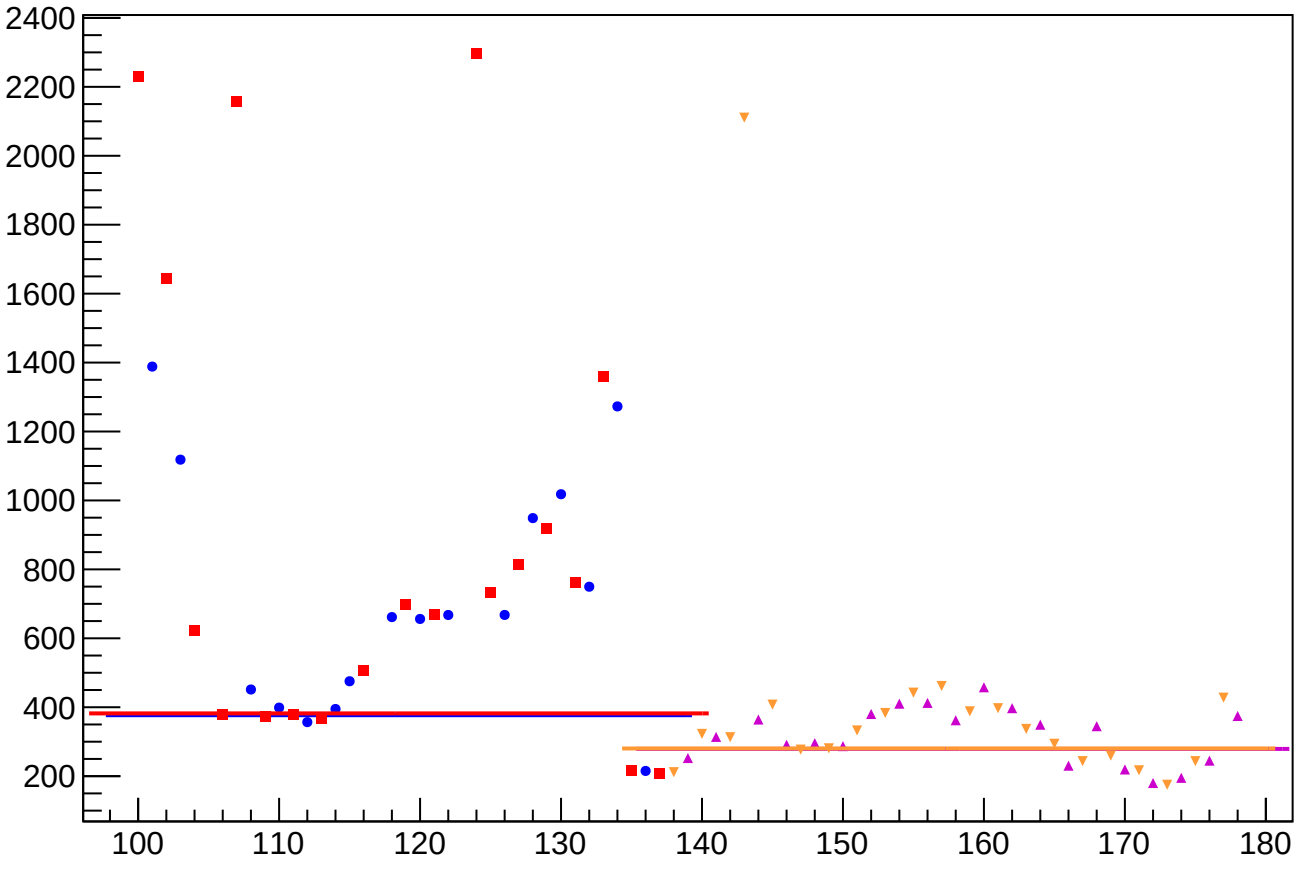
Left In: -123.963+/-72.180 χ^2/NDF:13.2/19

+ sign -212.949+/-67.091 χ^2/NDF: 61.6/36

All: -174.066+/-47.195 χ^2/NDF: 89.7/75

- sign -135.978+/-66.402 χ^2/NDF: 27.4/38

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs Slug



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 280.328+/-0.052 χ^2/NDF:3491796.3/20

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

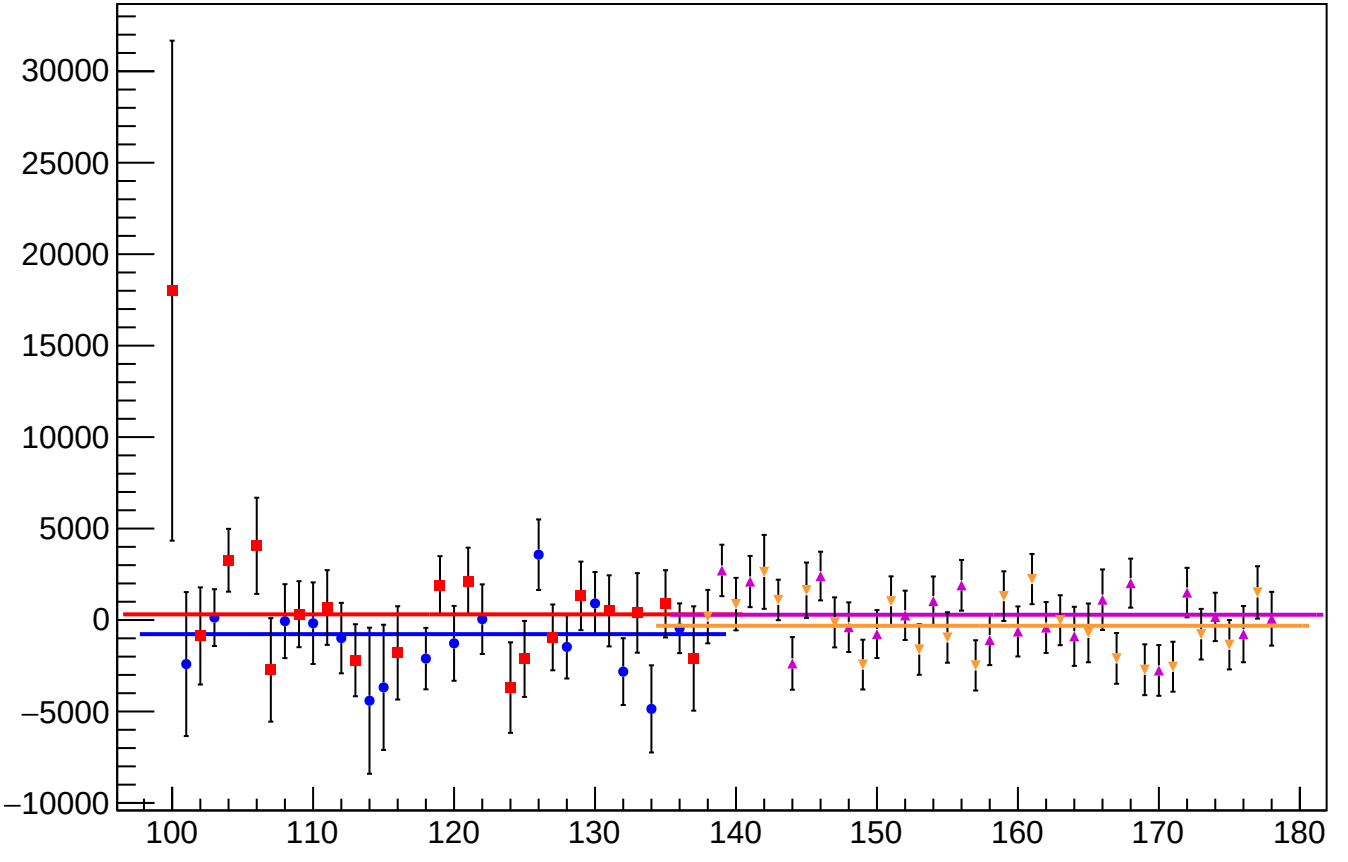
Left In: 279.109+/-0.051 χ^2/NDF:2292490.1/19

+ sign 295.686+/-0.047 χ^2/NDF: 8239213.7/36

All: 295.311+/-0.033 χ^2/NDF: 15217680.3/75

- sign 294.943+/-0.047 χ^2/NDF: 6978342.8/38

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: -313.387+/-304.686 χ^2/NDF:27.8/20

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

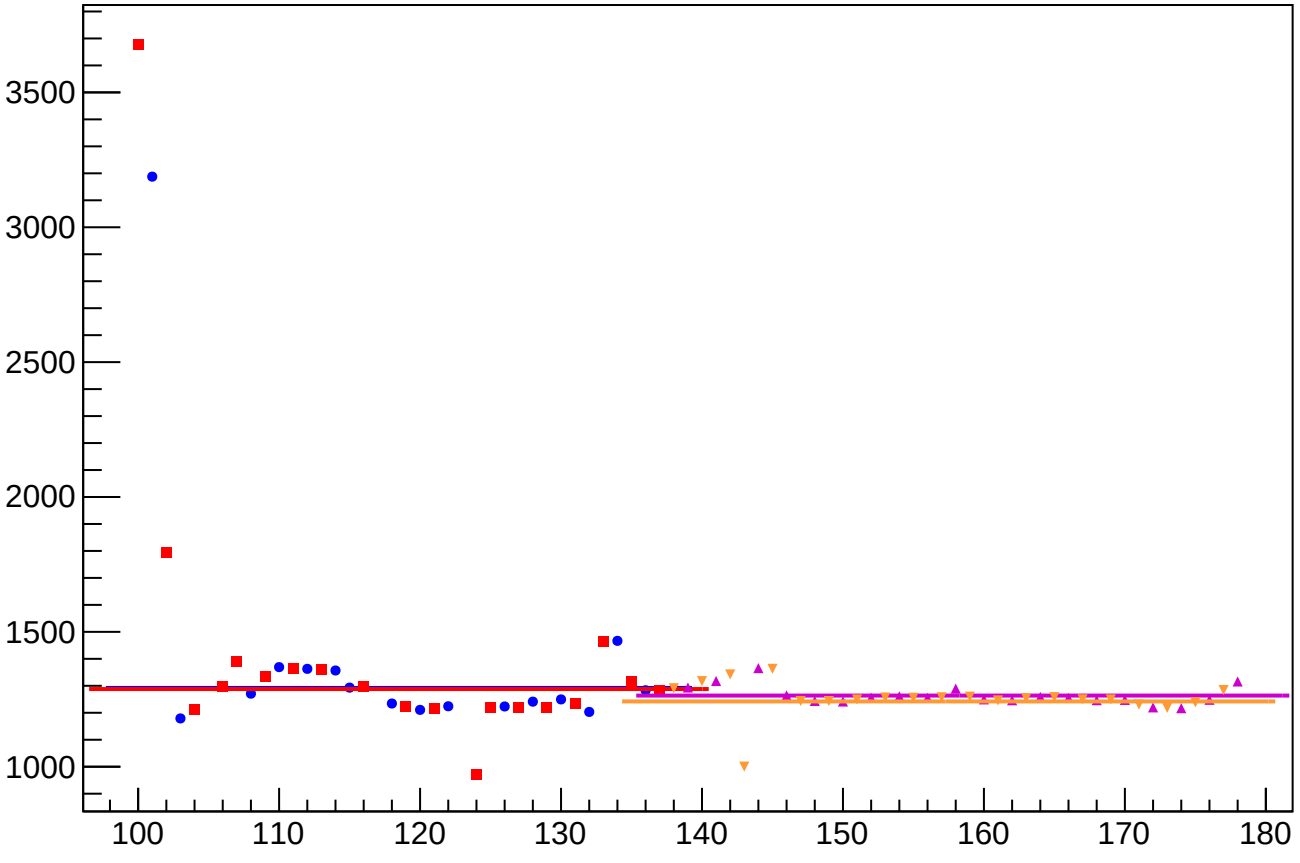
Left In: 288.852+/-312.718 χ^2/NDF:23.4/19

\+ sign -441.274+/-258.685 χ^2/NDF: 42.1/36

All: -78.190+/-184.233 χ^2/NDF: 87.4/75

\- sign 295.524+/-262.445 χ^2/NDF: 41.4/38

dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1242.063+/-0.215 χ^2/NDF:124763.8/20

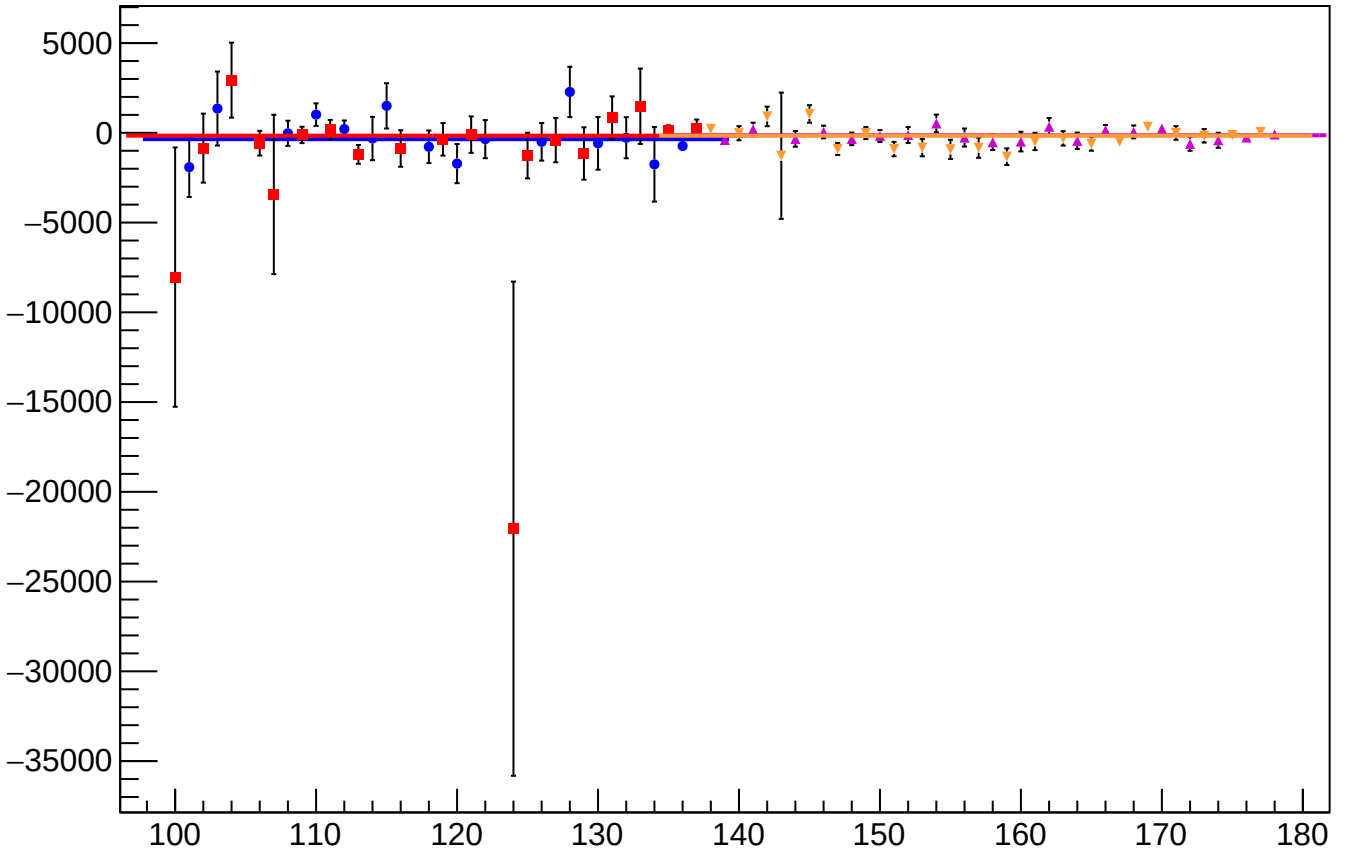
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1263.779+/-0.221 χ^2/NDF:24257.3/19

+ sign 1256.014+/-0.183 χ^2/NDF: 649190.8/36

All: 1263.368+/-0.130 χ^2/NDF: 889481.1/75

- sign 1270.937+/-0.186 χ^2/NDF: 237010.2/38



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -157.443+/-69.193 χ^2/NDF:41.5/20

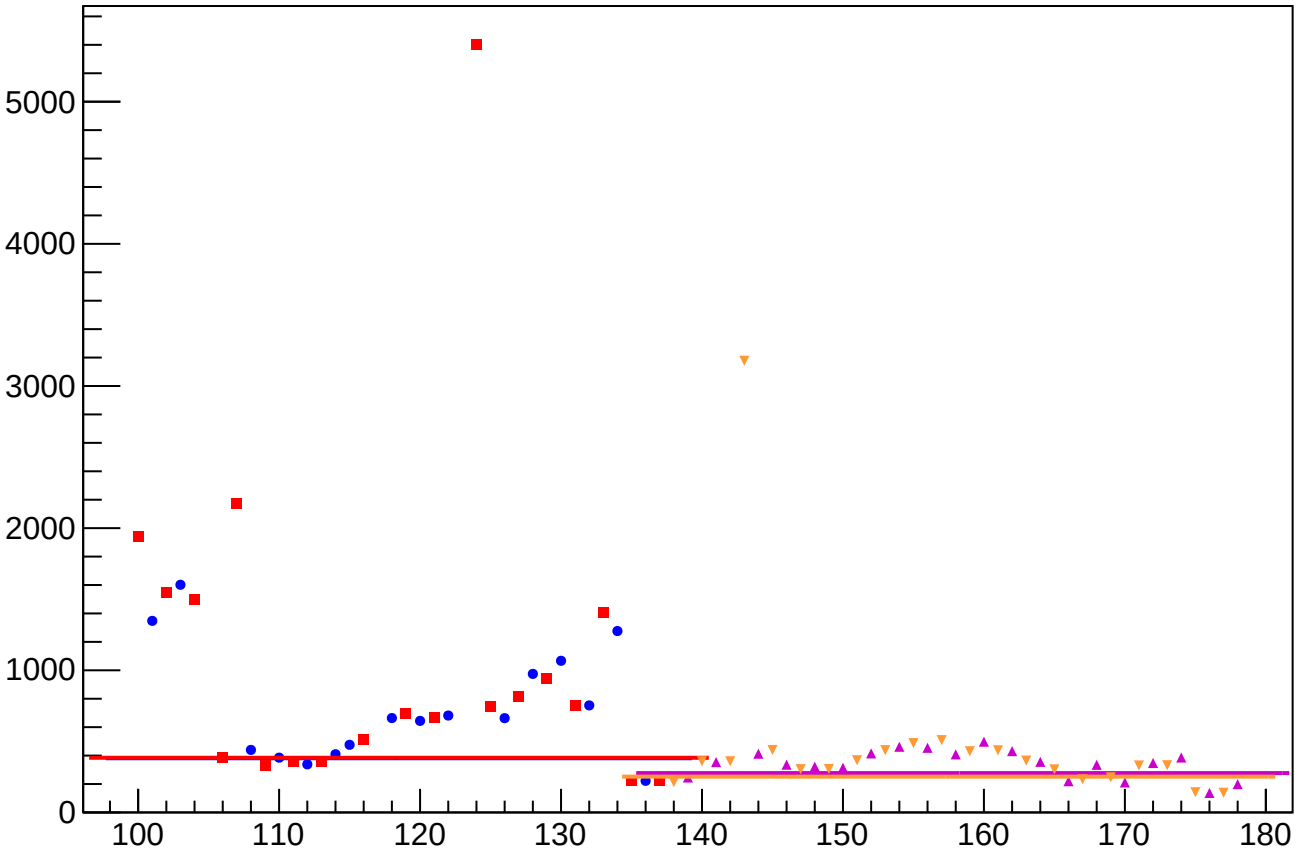
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -135.587+/-73.662 χ^2/NDF:13.0/19

+ sign -185.561+/-64.087 χ^2/NDF: 61.1/36

All: -163.572+/-46.498 χ^2/NDF: 90.3/75

- sign -139.130+/-67.568 χ^2/NDF: 28.9/38



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 252.063+/-0.049 χ^2/NDF:6277747.8/20

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

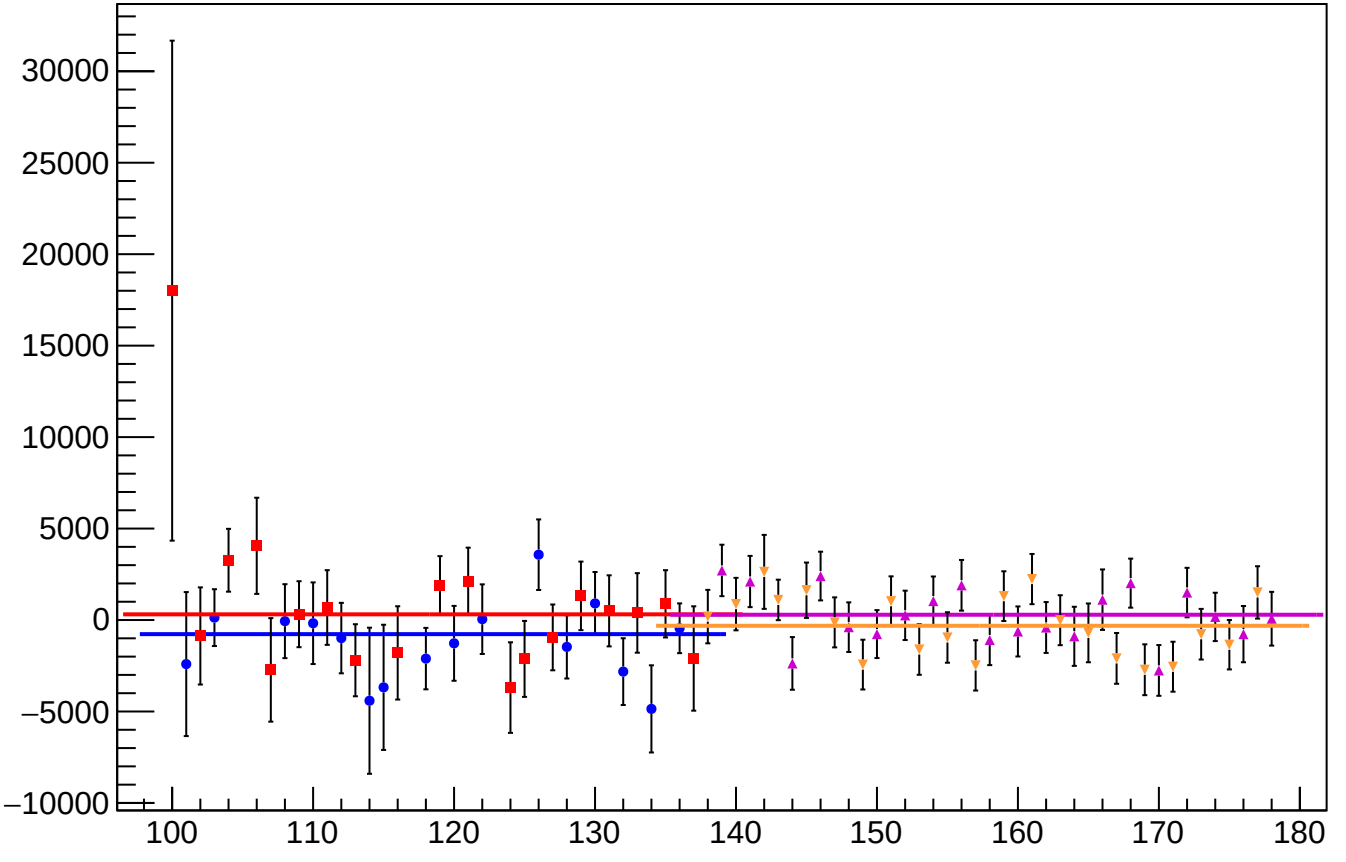
Left In: 277.021+/-0.052 χ^2/NDF:3988205.7/19

+ sign 270.442+/-0.045 χ^2/NDF: 11588312.3/36

All: 281.642+/-0.033 χ^2/NDF: 20942894.8/75

- sign 294.091+/-0.048 χ^2/NDF: 9225615.6/38

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: -313.386+/-304.686 χ^2/NDF:27.8/20

Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

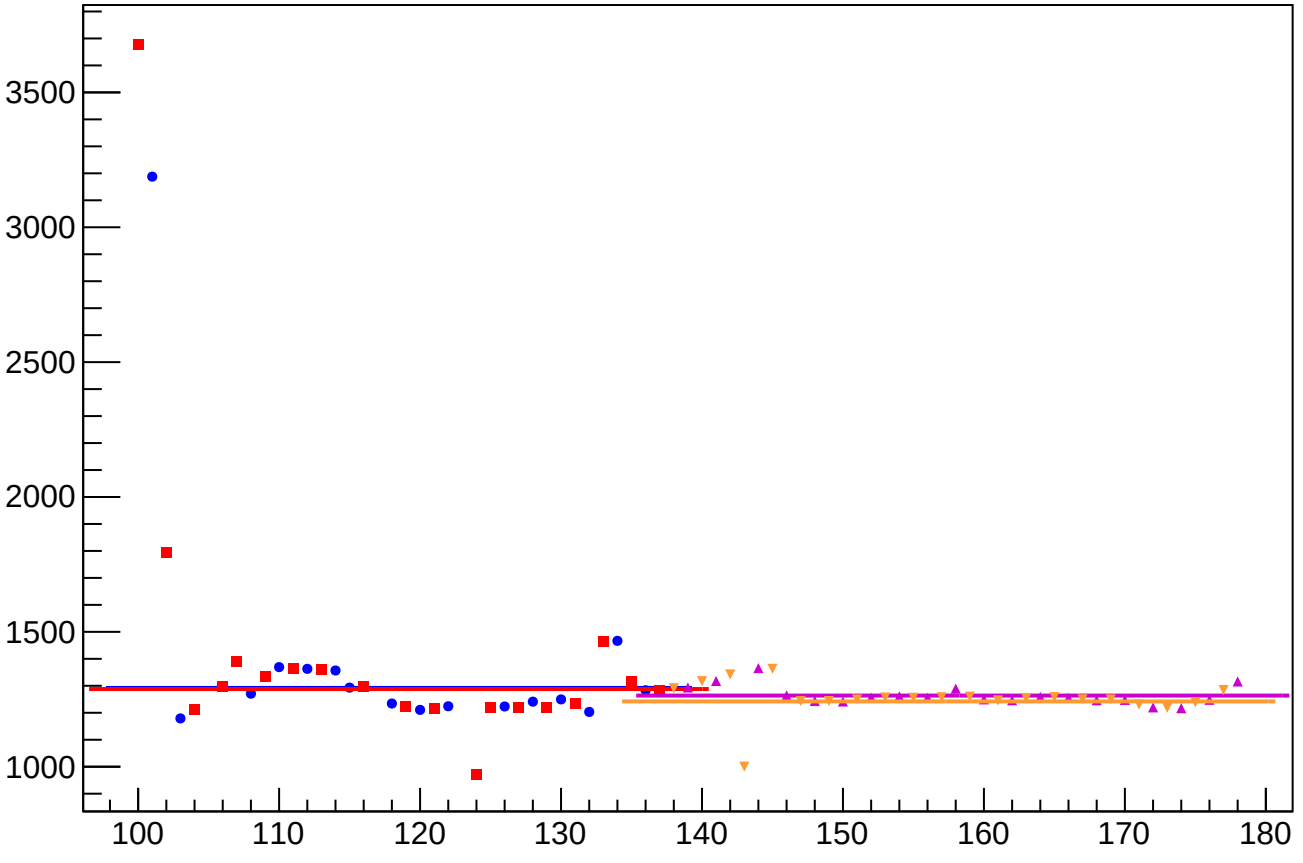
Left In: 288.853+/-312.718 χ^2/NDF:23.4/19

+ sign -441.274+/-258.685 χ^2/NDF: 42.1/36

All: -78.190+/-184.233 χ^2/NDF: 87.4/75

- sign 295.525+/-262.445 χ^2/NDF: 41.4/38

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: 1242.063+/-0.215 χ^2/NDF:124763.1/20

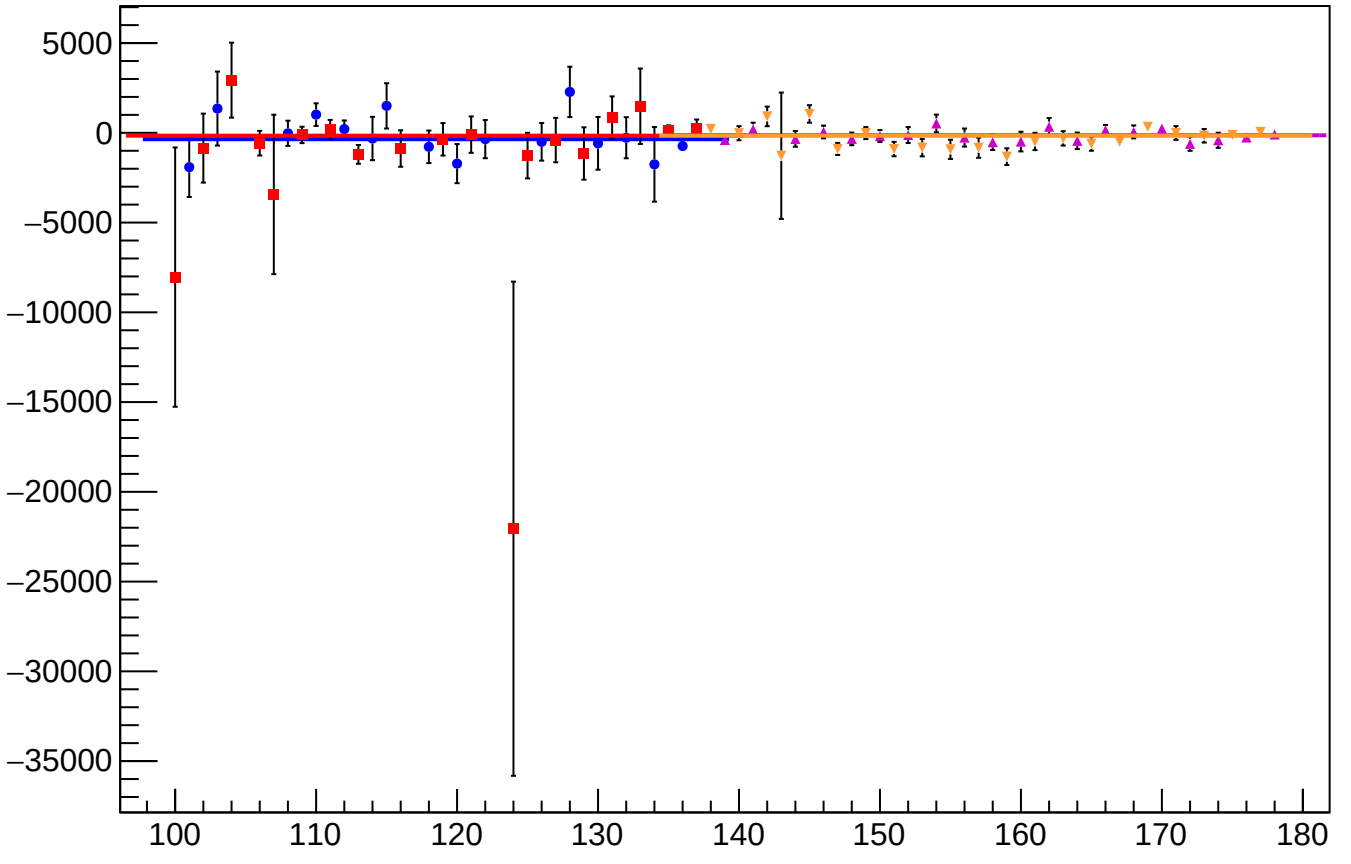
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1263.779+/-0.221 χ^2/NDF:24257.4/19

+ sign 1256.014+/-0.183 χ^2/NDF: 649190.0/36

All: 1263.368+/-0.130 χ^2/NDF: 889480.7/75

- sign 1270.937+/-0.186 χ^2/NDF: 237010.6/38



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -157.448+/-69.194 χ^2/NDF:41.5/20

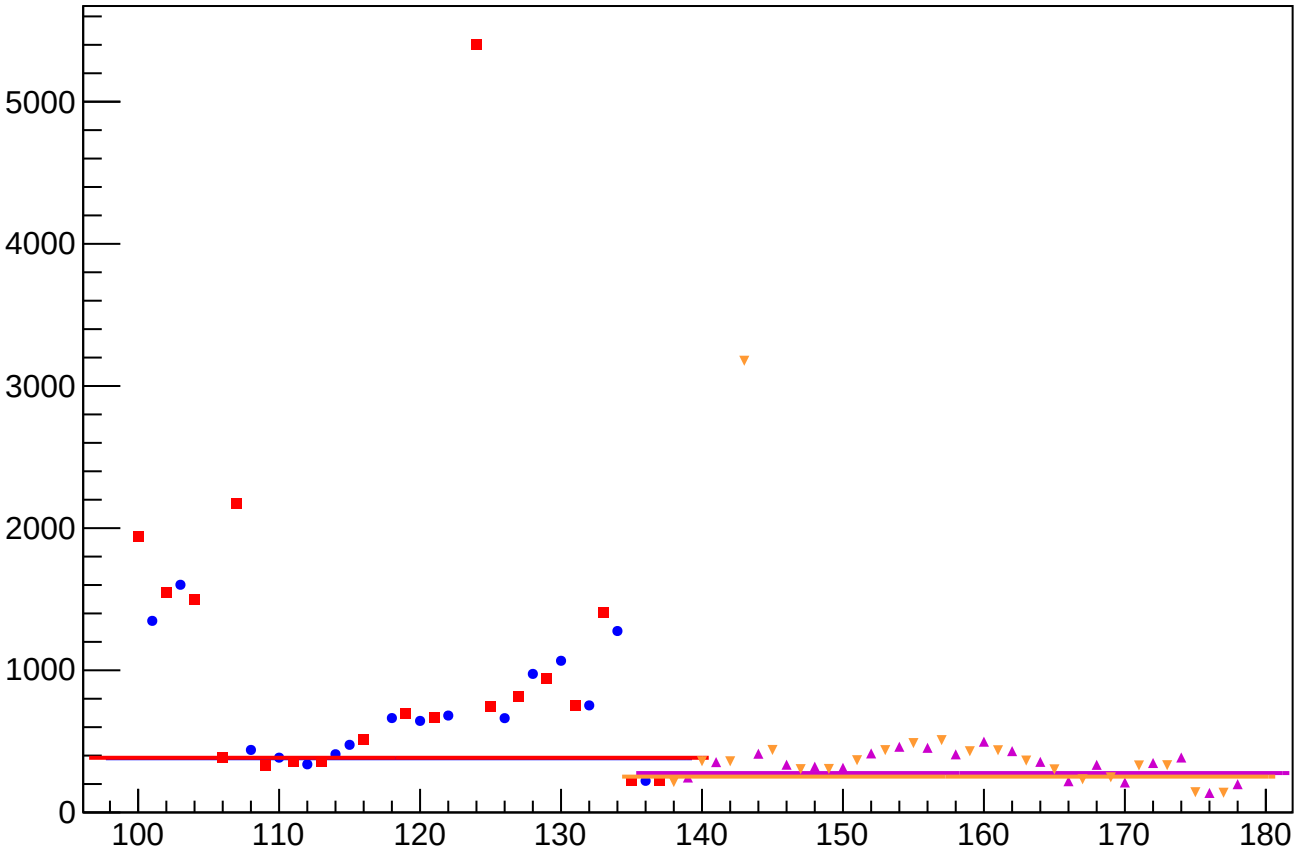
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -135.586+/-73.662 χ^2/NDF:13.0/19

+ sign -185.564+/-64.087 χ^2/NDF: 61.1/36

All: -163.574+/-46.498 χ^2/NDF: 90.3/75

- sign -139.130+/-67.568 χ^2/NDF: 28.9/38



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 252.065+/-0.049 χ^2/NDF:6277656.5/20

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

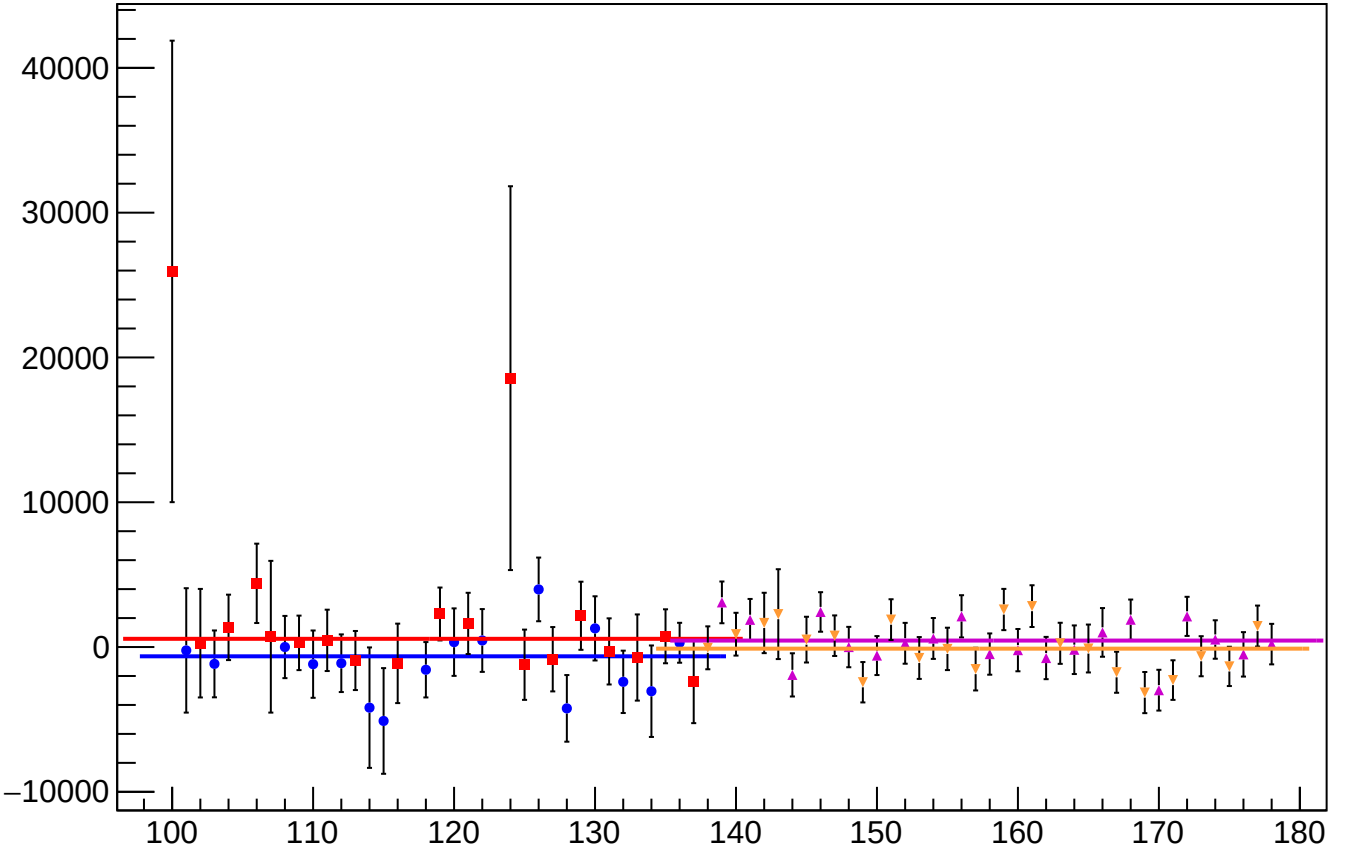
Left In: 277.021+/-0.052 χ^2/NDF:3988159.1/19

+ sign 270.445+/-0.045 χ^2/NDF: 11588132.2/36

All: 281.644+/-0.033 χ^2/NDF: 20942588.3/75

- sign 294.092+/-0.048 χ^2/NDF: 9225500.2/38

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: -112.140+/-324.263 χ^2/NDF:26.6/20

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

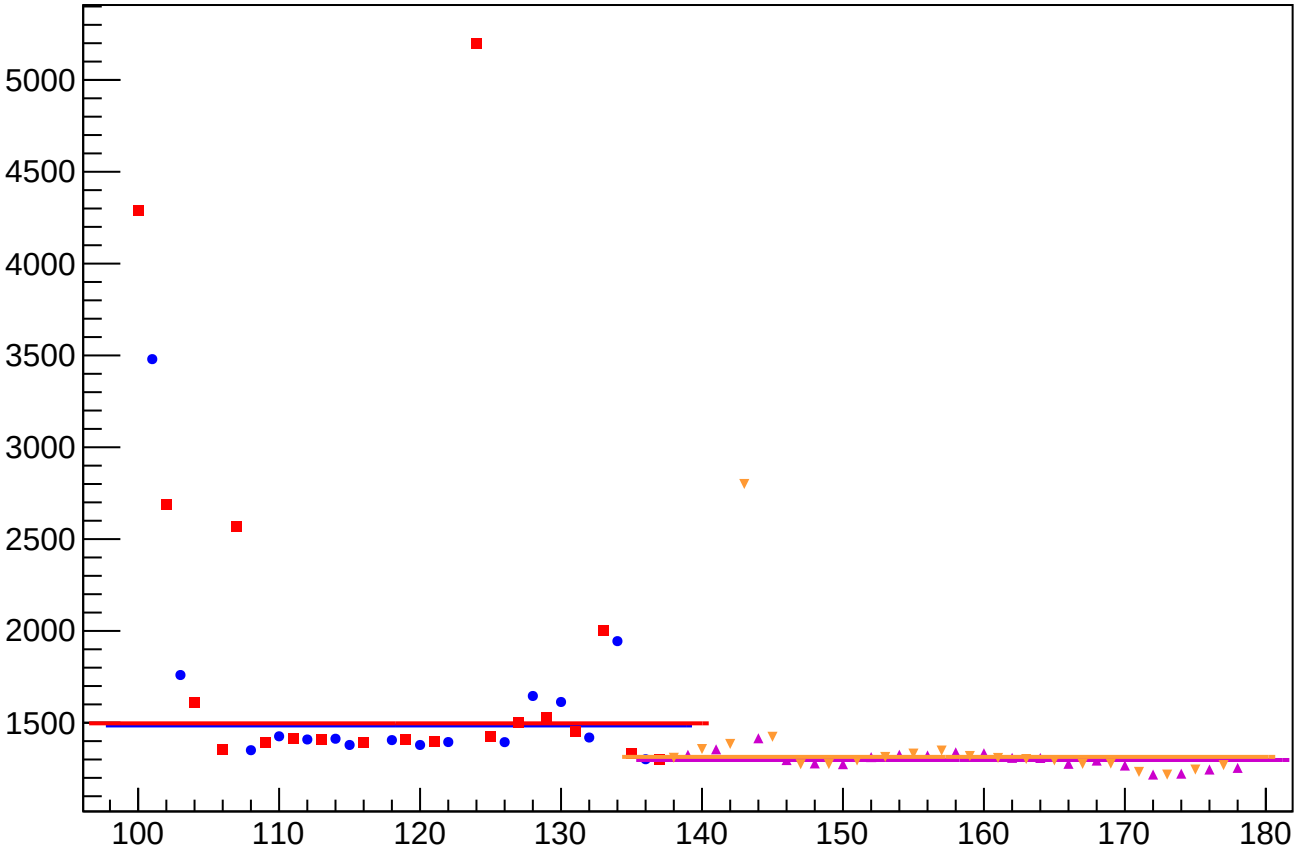
Left In: 446.954+/-321.102 χ^2/NDF:21.5/19

+ sign -243.354+/-281.159 χ^2/NDF: 39.8/36

All: 118.699+/-198.178 χ^2/NDF: 75.9/75

- sign 476.184+/-279.380 χ^2/NDF: 32.9/38

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1314.244+/-0.229 χ^2/NDF:504421.4/20

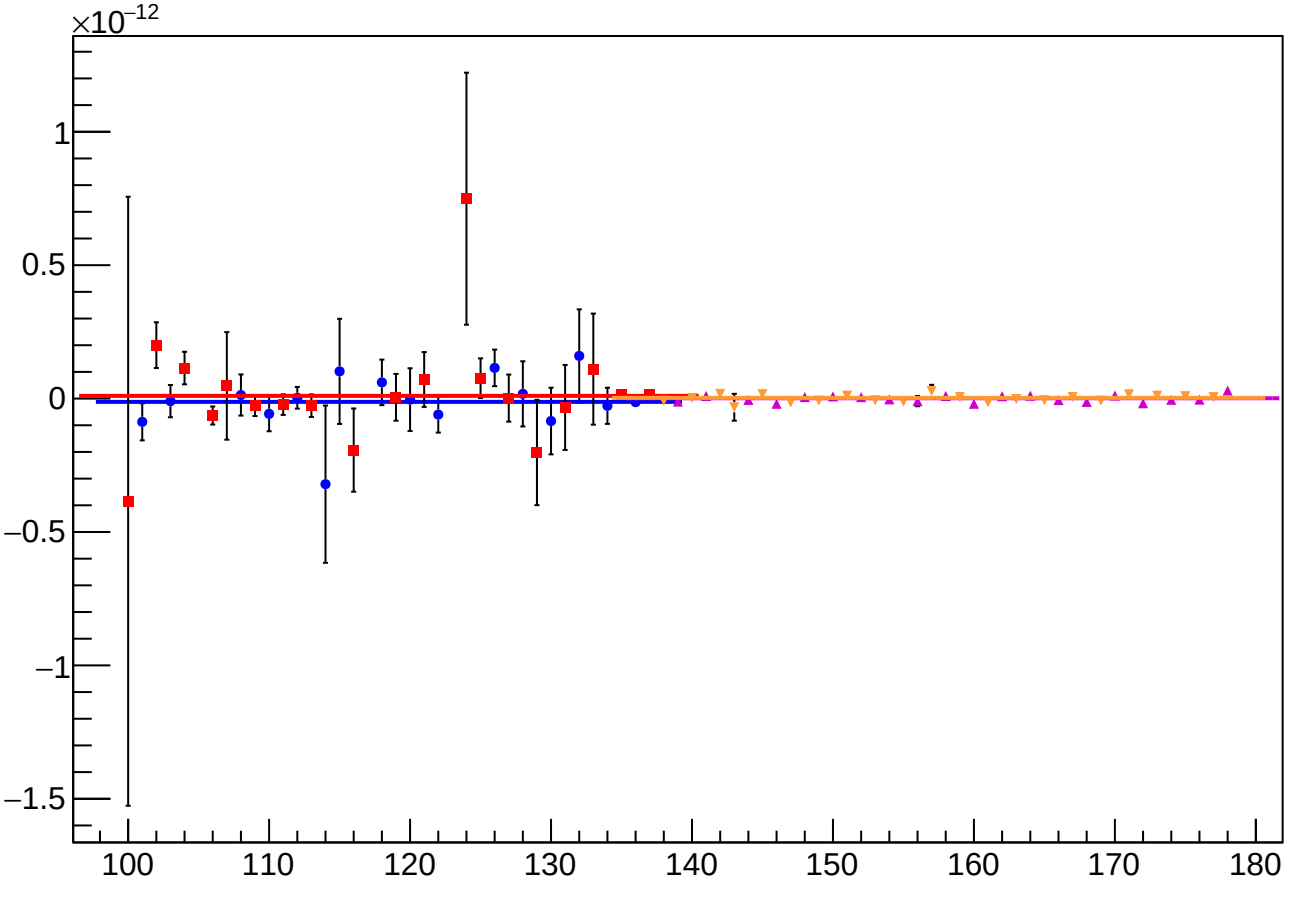
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1297.339+/-0.227 χ^2/NDF:40935.2/19

+ sign 1356.716+/-0.199 χ^2/NDF: 1227136.7/36

All: 1351.234+/-0.140 χ^2/NDF: 2080513.5/75

- sign 1345.820+/-0.198 χ^2/NDF: 851865.6/38



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.0/20

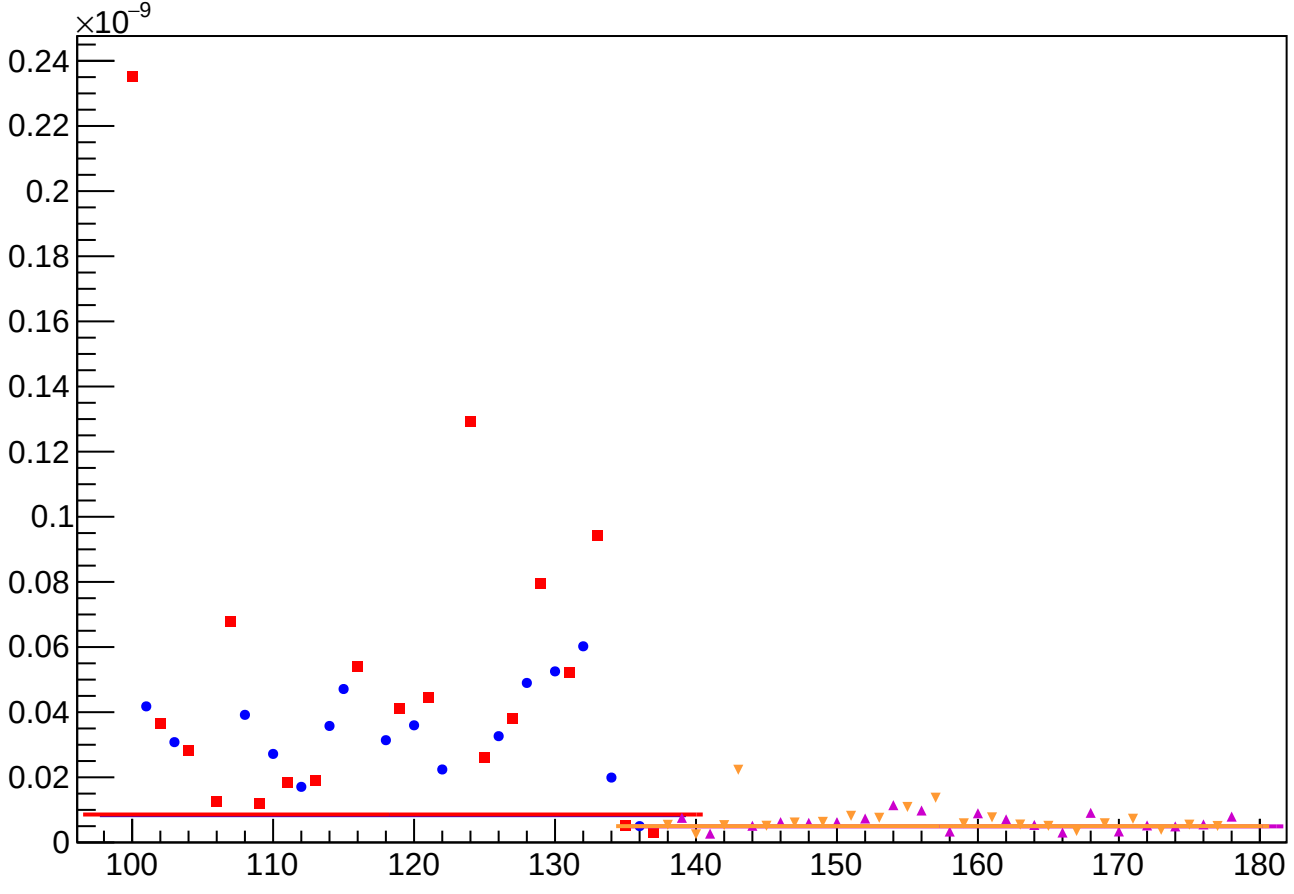
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:24.9/19

+ sign 0.000+/-0.000 χ^2/NDF: 32.2/36

All: 0.000+/-0.000 χ^2/NDF: 80.6/75

- sign 0.000+/-0.000 χ^2/NDF: 48.4/38



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1887485.0/20

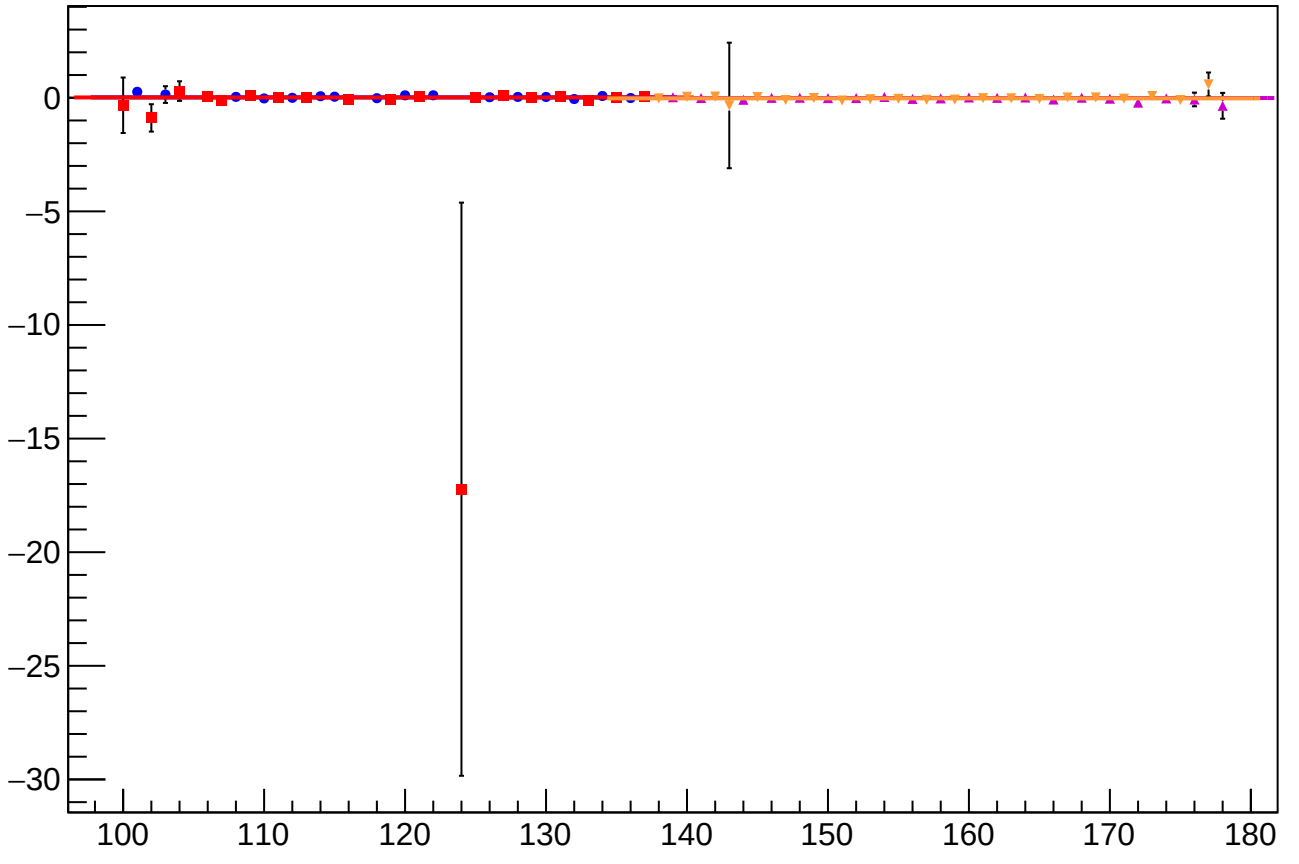
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1762003.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 5328546.1/36

All: 0.000+/-0.000 χ^2/NDF: 10824637.9/75

- sign 0.000+/-0.000 χ^2/NDF: 5494834.1/38



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:25.2/20

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

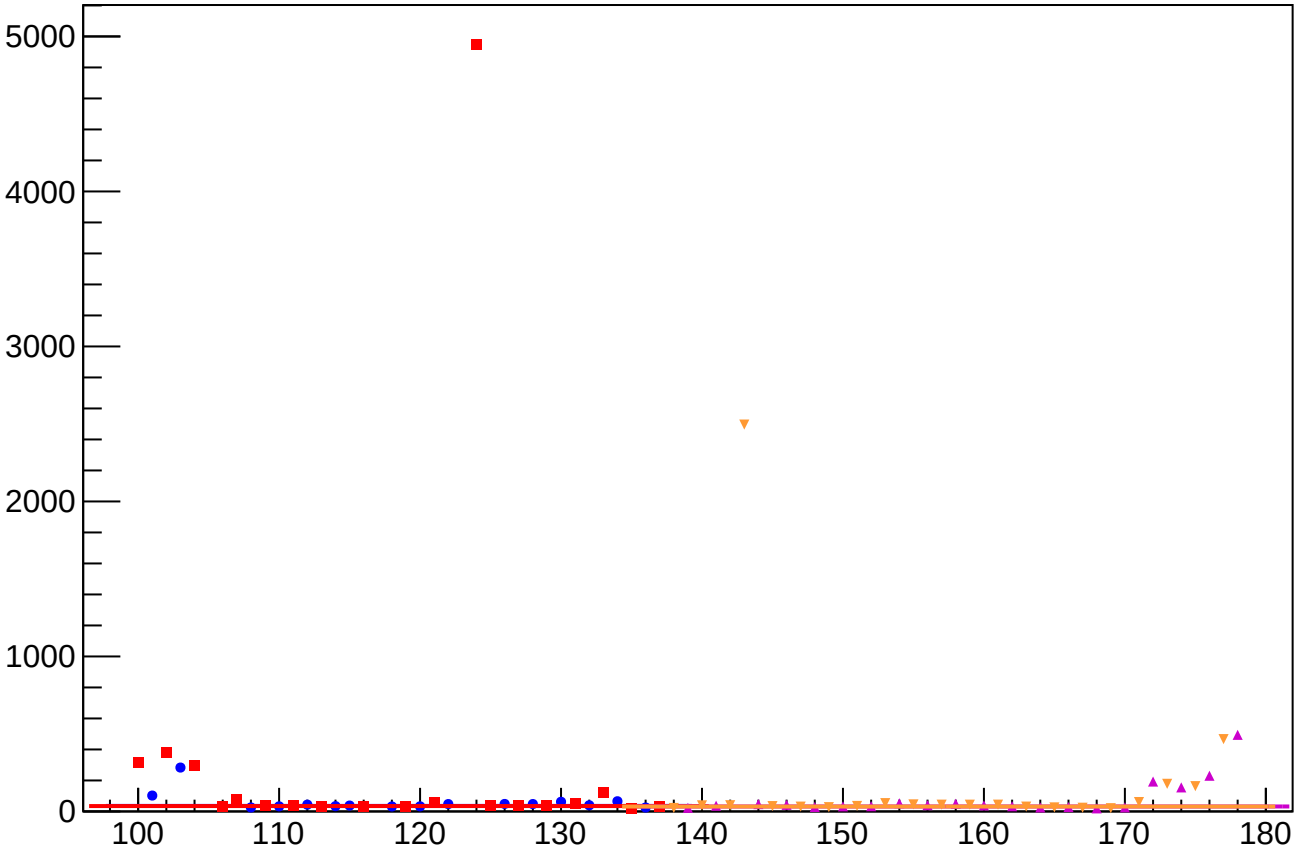
Left In: -0.012+/-0.010 χ^2/NDF:11.1/19

+ sign -0.015+/-0.008 χ^2/NDF: 42.5/36

All: -0.010+/-0.006 χ^2/NDF: 72.3/75

- sign -0.005+/-0.008 χ^2/NDF: 29.0/38

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: 31.819+/-0.007 χ^2/NDF:6685097.5/20

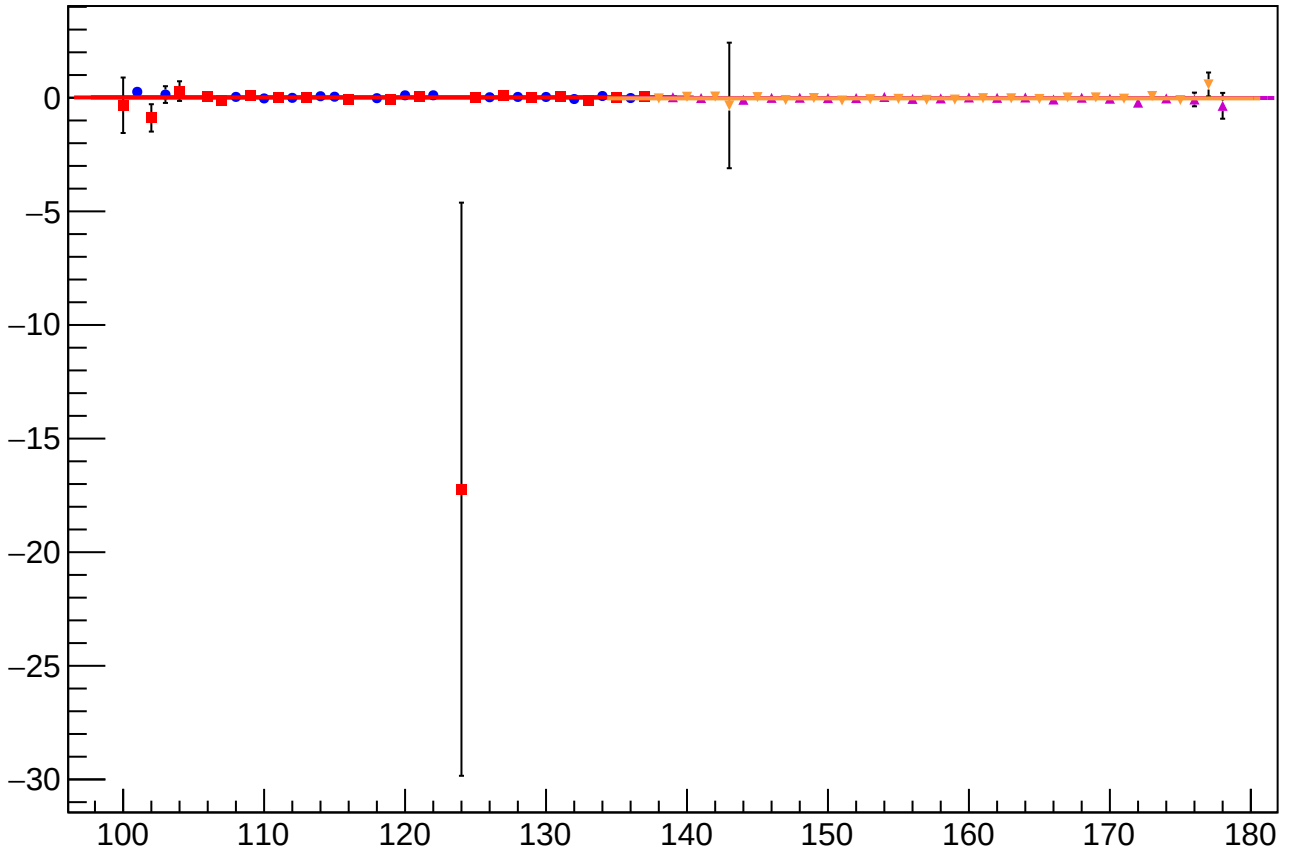
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.159+/-0.007 χ^2/NDF:5951814.5/19

+ sign 32.901+/-0.006 χ^2/NDF: 9043315.2/36

All: 32.887+/-0.004 χ^2/NDF: 17950888.4/75

- sign 32.872+/-0.006 χ^2/NDF: 8907561.1/38



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:25.2/20

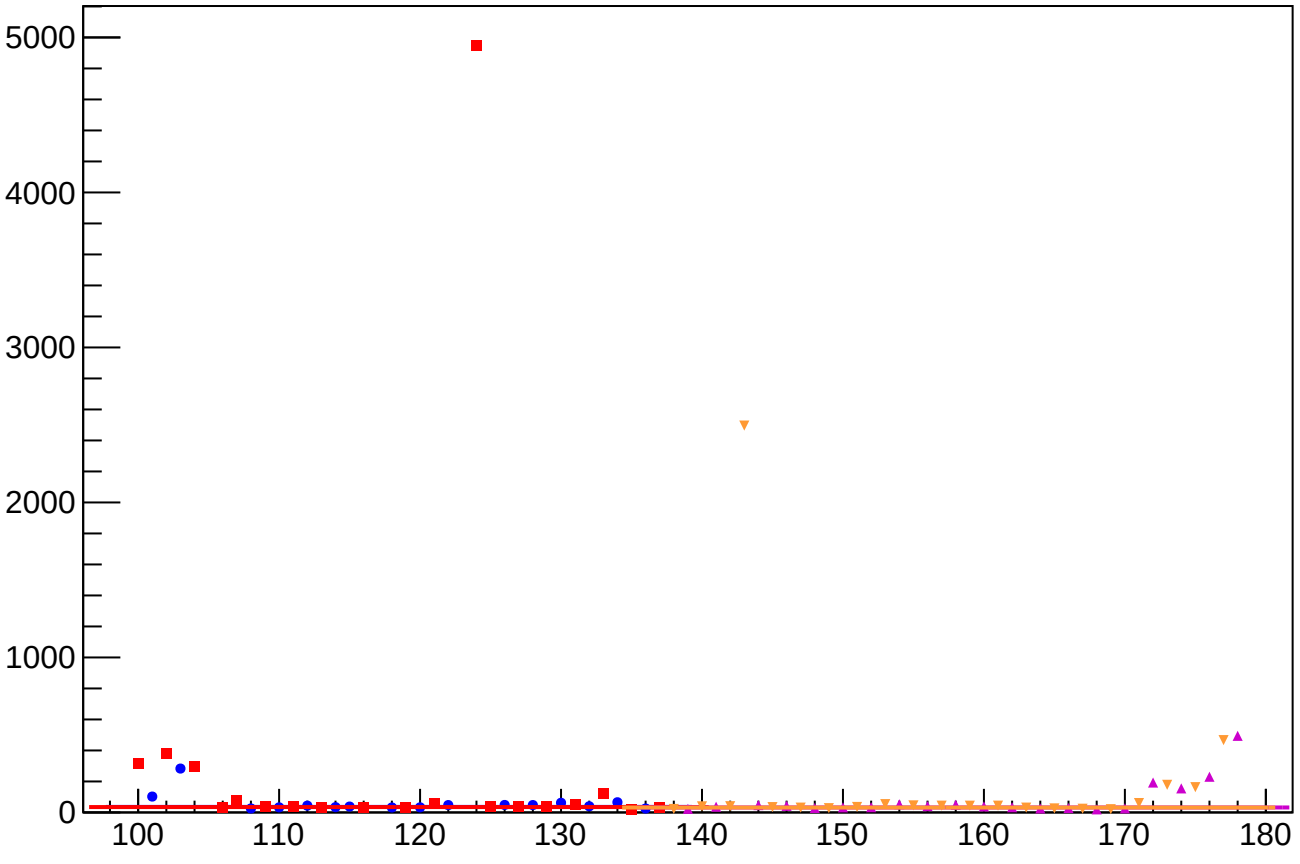
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.012+/-0.010 χ^2/NDF:11.1/19

+ sign -0.015+/-0.008 χ^2/NDF: 42.5/36

All: -0.010+/-0.006 χ^2/NDF: 72.3/75

- sign -0.005+/-0.008 χ^2/NDF: 29.0/38



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 31.819+/-0.007 χ^2/NDF:6685097.5/20

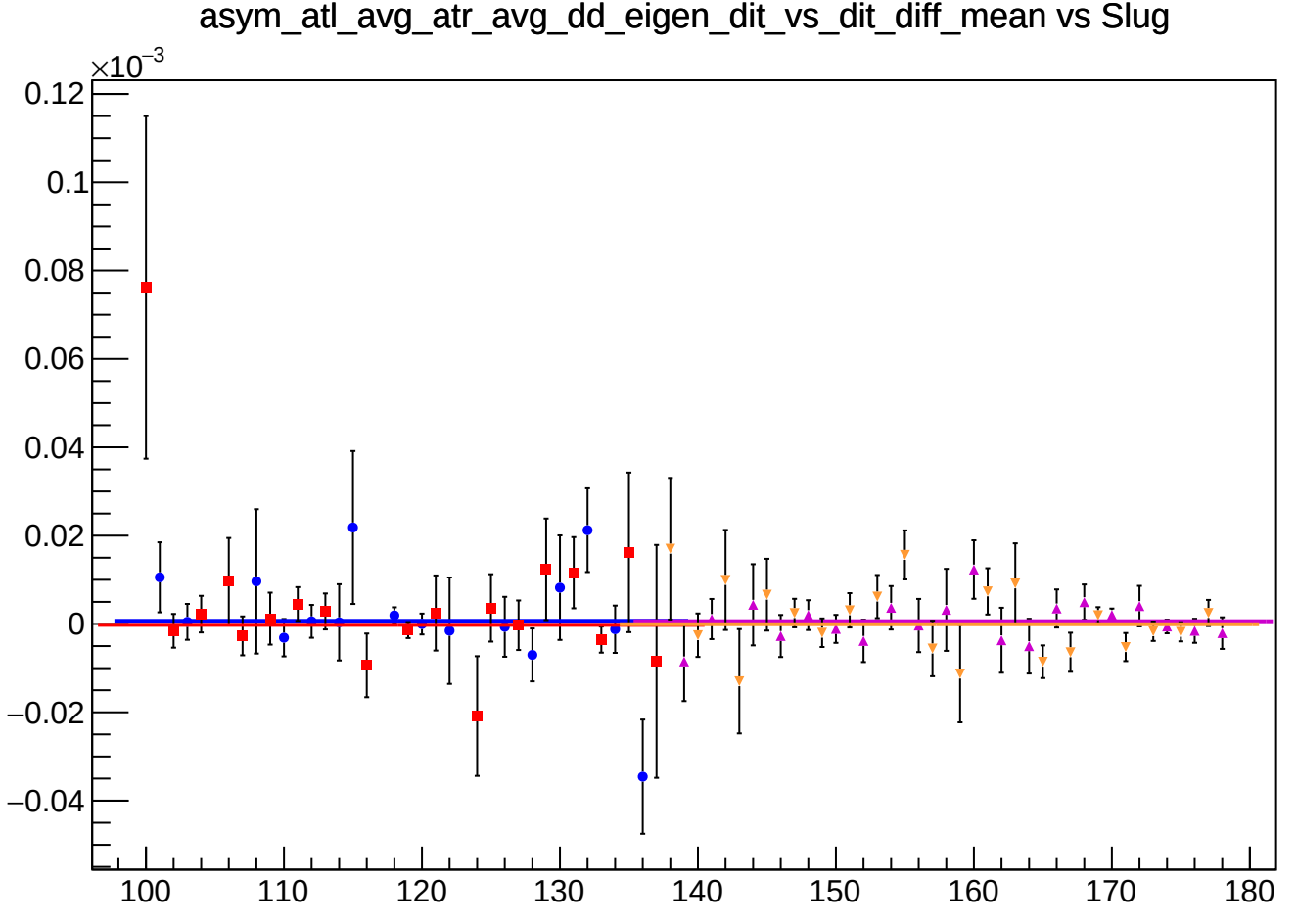
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.159+/-0.007 χ^2/NDF:5951814.5/19

\+ sign 32.901+/-0.006 χ^2/NDF: 9043315.2/36

All: 32.887+/-0.004 χ^2/NDF: 17950888.4/75

\- sign 32.872+/-0.006 χ^2/NDF: 8907561.1/38



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.2/20

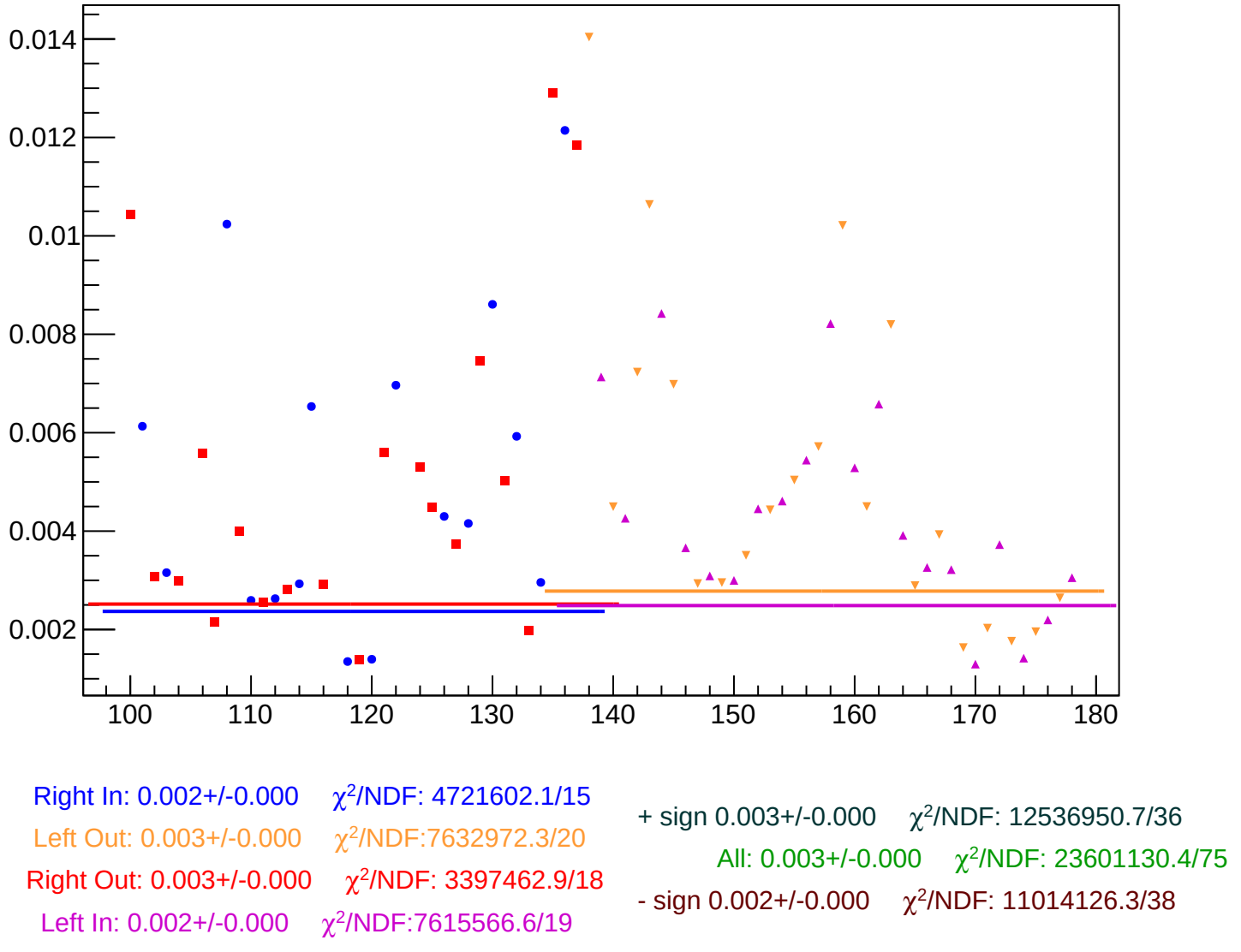
Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

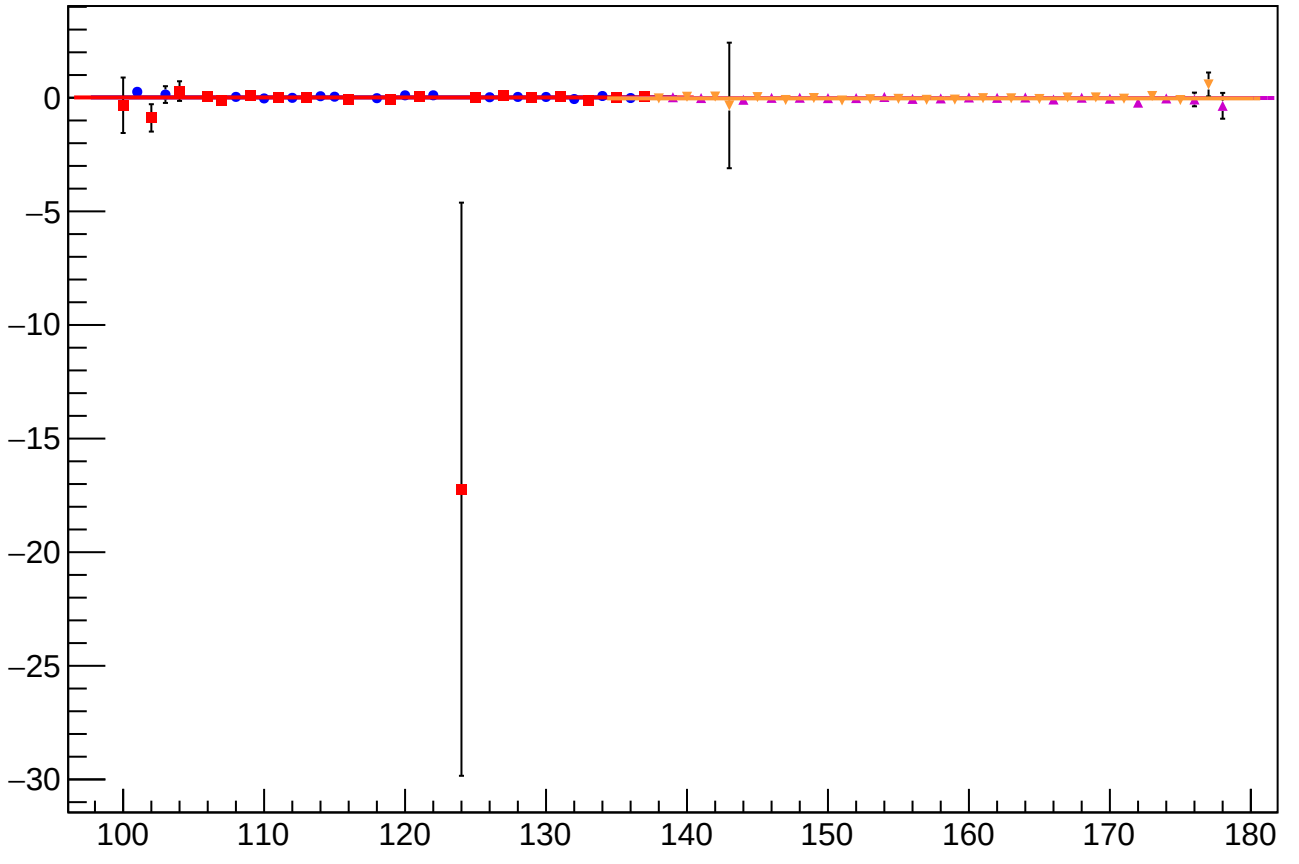
Left In: 0.000+/-0.000 χ^2/NDF:12.7/19

+ sign 0.000+/-0.000 χ^2/NDF: 52.7/36

All: 0.000+/-0.000 χ^2/NDF: 83.9/75

- sign 0.000+/-0.000 χ^2/NDF: 31.2/38


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
160
170
180
Right In: 0.002+/-0.000 χ²/NDF: 4721602.1/15
Left Out: 0.003+/-0.000 χ²/NDF:7632972.3/20
Right Out: 0.003+/-0.000 χ²/NDF: 3397462.9/18
Left In: 0.002+/-0.000 χ²/NDF:7615566.6/19
+ sign 0.003+/-0.000 χ²/NDF: 12536950.7/36
All: 0.003+/-0.000 χ²/NDF: 23601130.4/75
- sign 0.002+/-0.000 χ²/NDF: 11014126.3/38



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:25.2/20

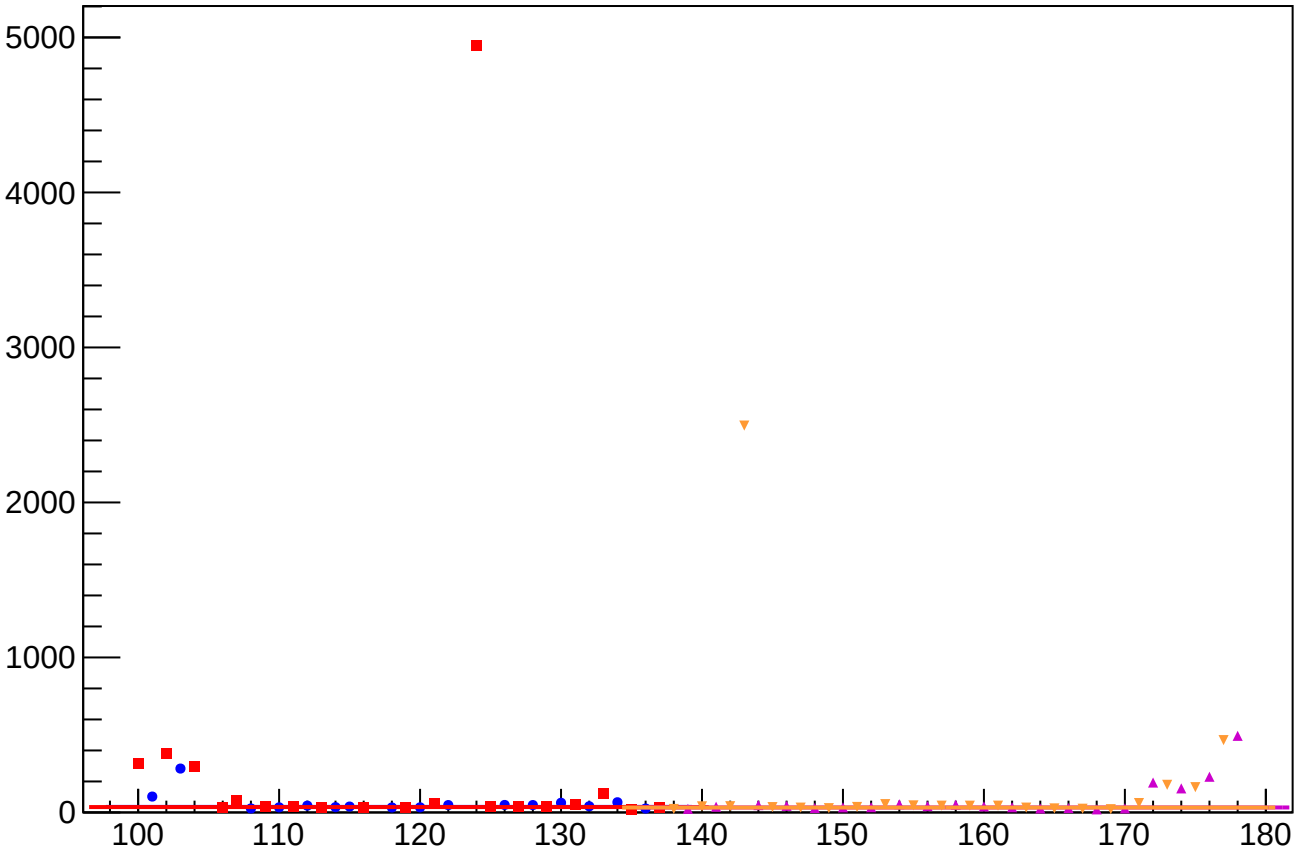
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.012+/-0.010 χ^2/NDF:11.1/19

+ sign -0.015+/-0.008 χ^2/NDF: 42.5/36

All: -0.010+/-0.006 χ^2/NDF: 72.3/75

- sign -0.005+/-0.008 χ^2/NDF: 29.0/38



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 31.819+/-0.007 χ^2/NDF:6685353.5/20

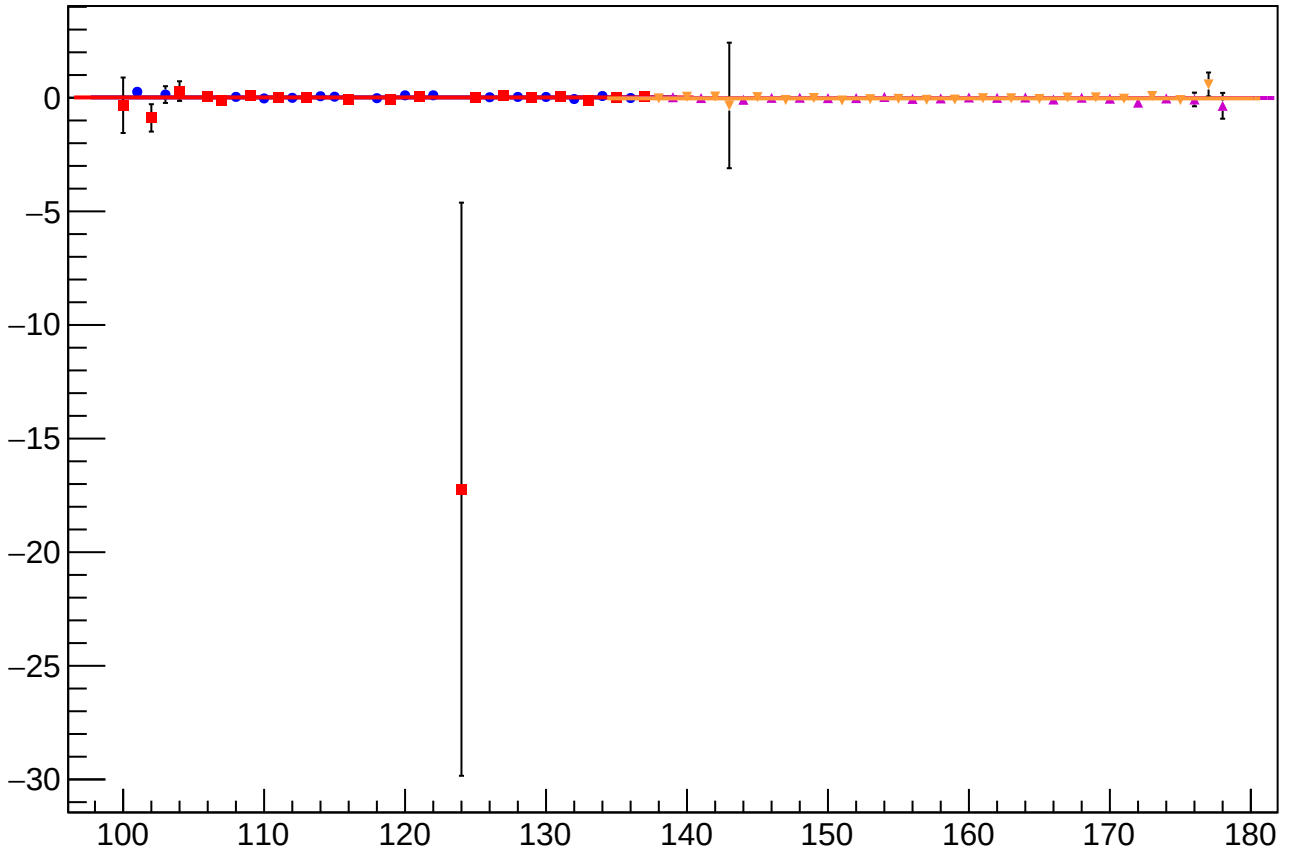
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.157+/-0.007 χ^2/NDF:5952417.1/19

+ sign 32.901+/-0.006 χ^2/NDF: 9043373.3/36

All: 32.886+/-0.004 χ^2/NDF: 17951445.0/75

- sign 32.872+/-0.006 χ^2/NDF: 8908058.8/38



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:25.2/20

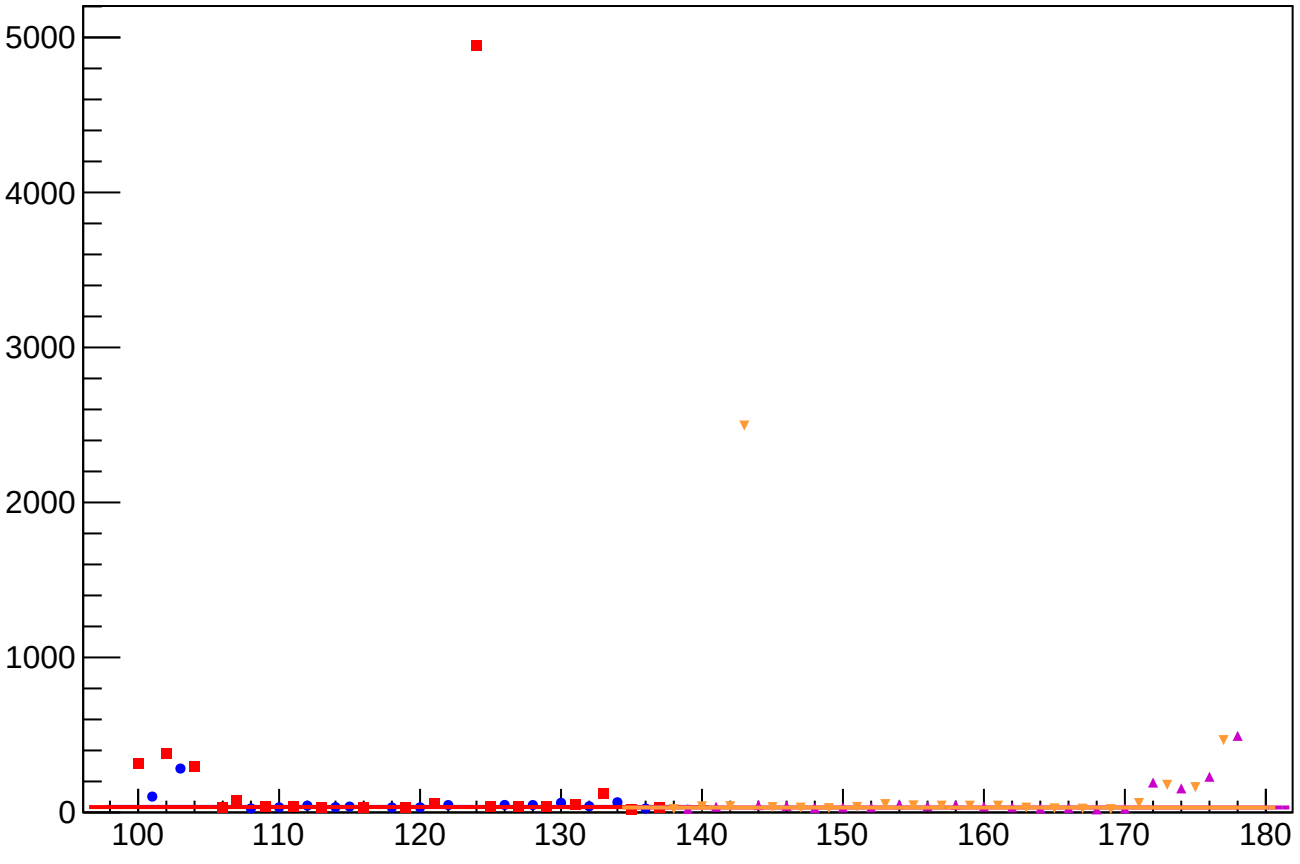
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.012+/-0.010 χ^2/NDF:11.1/19

+ sign -0.015+/-0.008 χ^2/NDF: 42.5/36

All: -0.010+/-0.006 χ^2/NDF: 72.3/75

- sign -0.005+/-0.008 χ^2/NDF: 29.0/38



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 31.819+/-0.007 χ^2/NDF:6685353.5/20

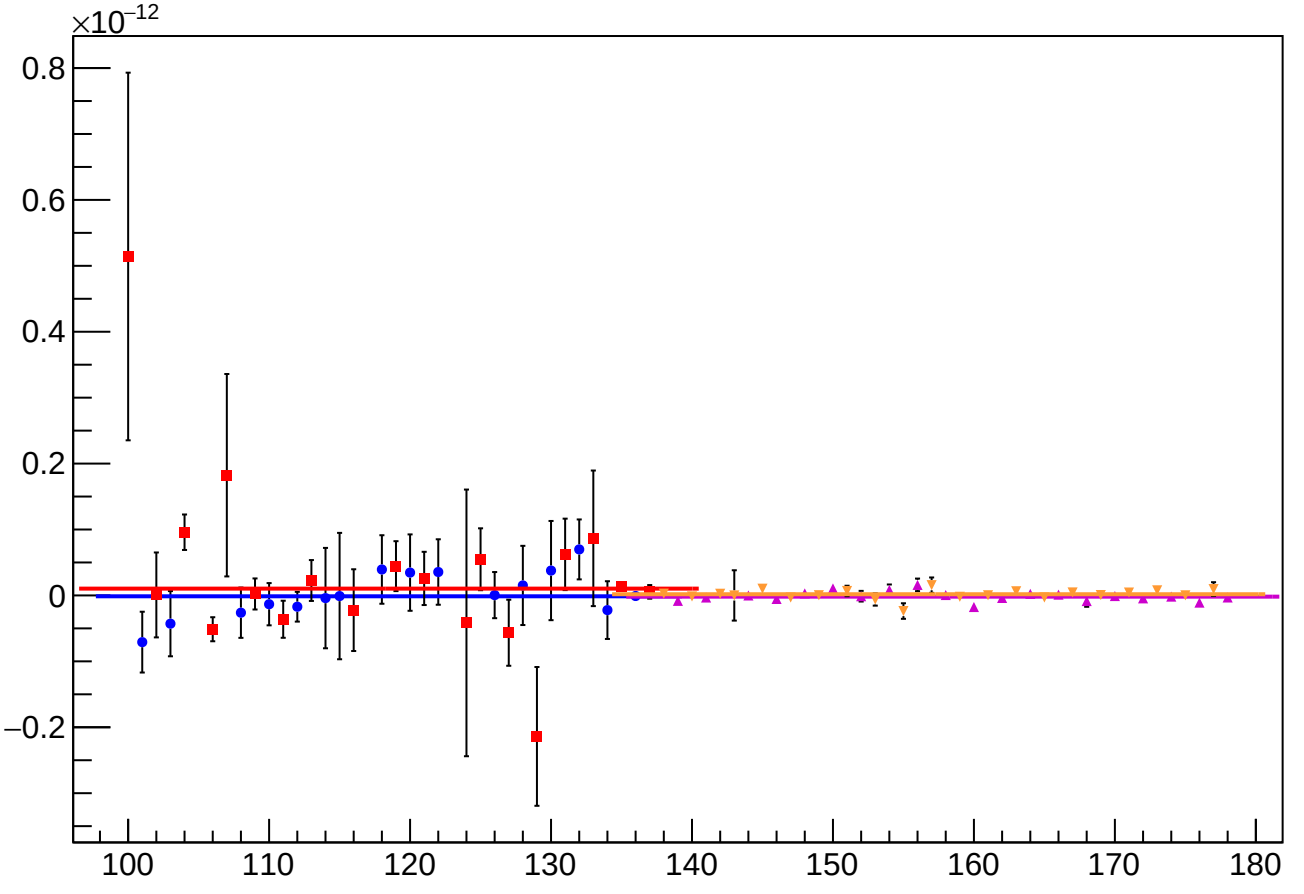
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.157+/-0.007 χ^2/NDF:5952417.1/19

+ sign 32.901+/-0.006 χ^2/NDF: 9043373.3/36

All: 32.886+/-0.004 χ^2/NDF: 17951445.0/75

- sign 32.872+/-0.006 χ^2/NDF: 8908058.8/38



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.5/20

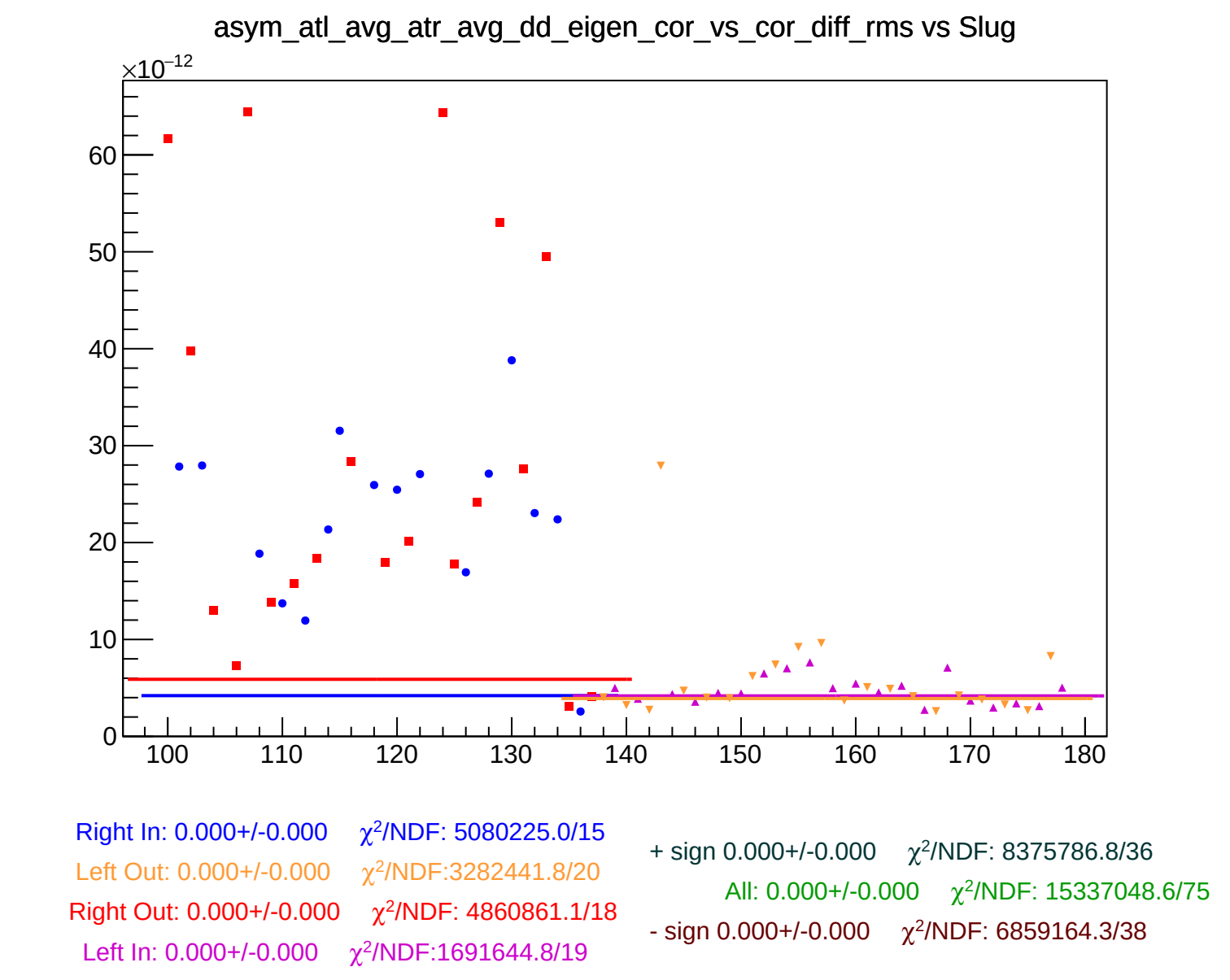
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: -0.000+/-0.000 χ^2/NDF:23.0/19

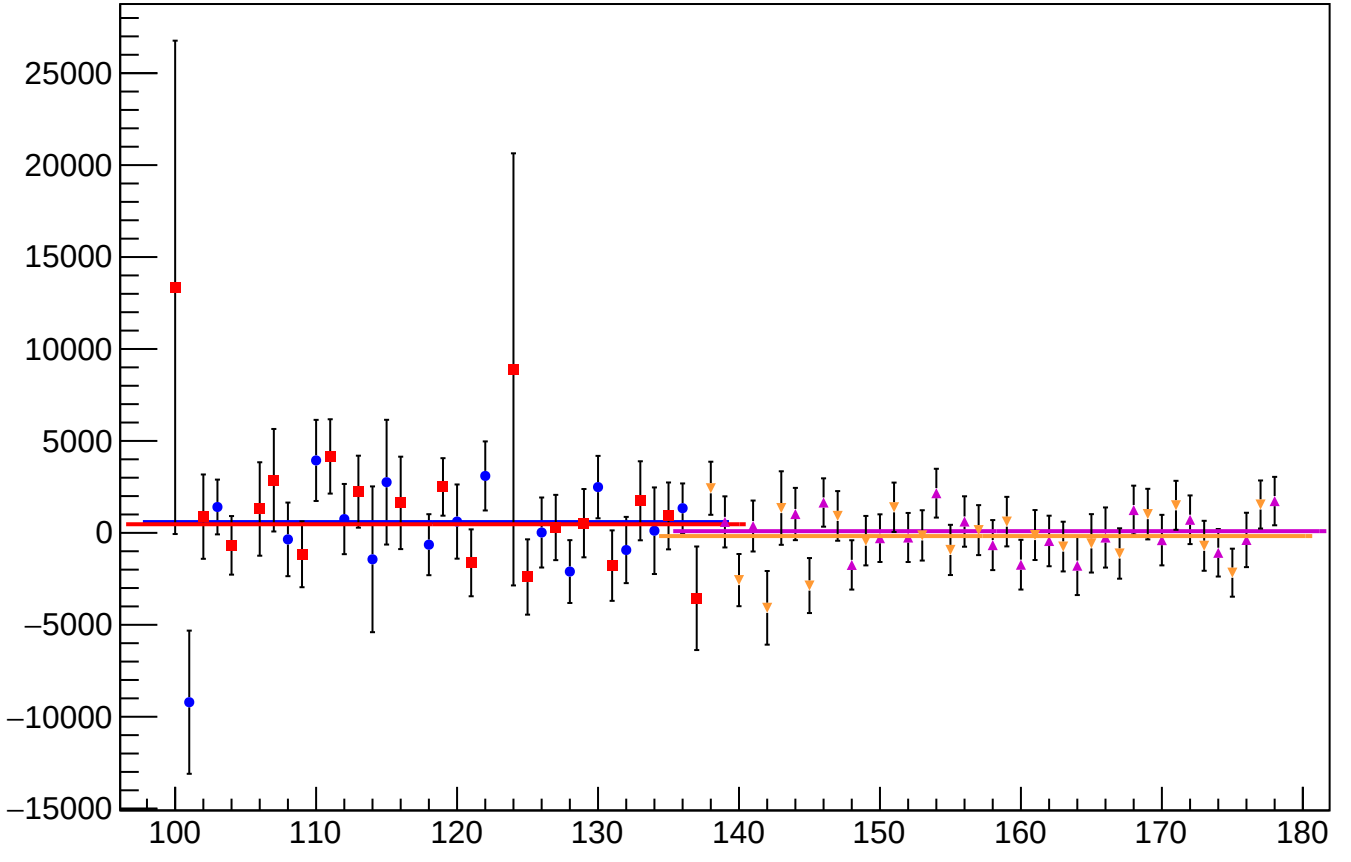
+ sign 0.000+/-0.000 χ^2/NDF: 24.8/36

All: 0.000+/-0.000 χ^2/NDF: 97.2/75

- sign -0.000+/-0.000 χ^2/NDF: 70.6/38


asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 5080225.0/15
Left Out: 0.000+/-0.000 χ²/NDF:3282441.8/20
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:1691644.8/19
+ sign 0.000+/-0.000 χ²/NDF: 8375786.8/36
All: 0.000+/-0.000 χ²/NDF: 15337048.6/75
- sign 0.000+/-0.000 χ²/NDF: 6859164.3/38

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -174.329+/-307.648 χ^2/NDF:23.7/20

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

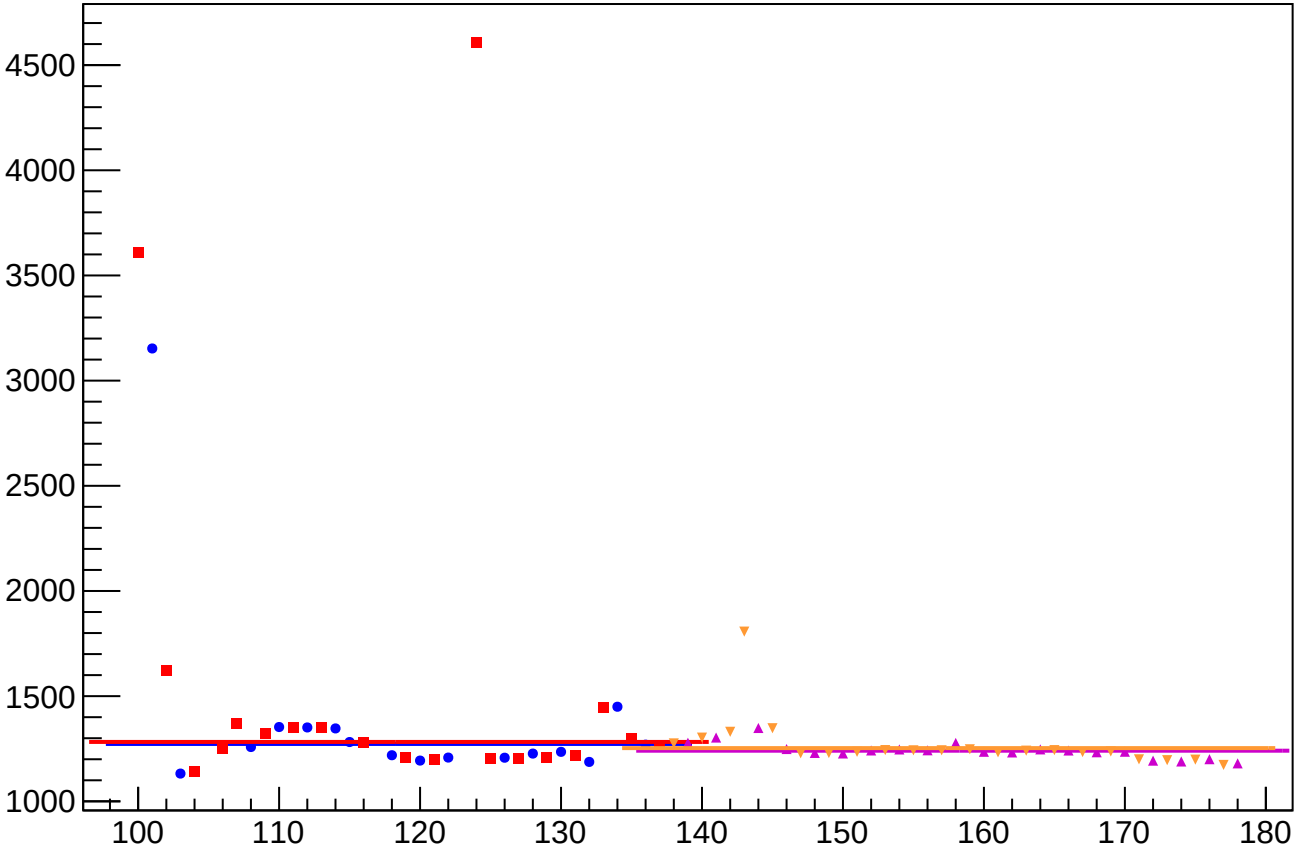
Left In: 92.918+/-307.018 χ^2/NDF:13.9/19

+ sign 45.750+/-259.394 χ^2/NDF: 42.6/36

All: 124.051+/-183.180 χ^2/NDF: 73.9/75

- sign 201.945+/-258.718 χ^2/NDF: 31.2/38

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1252.983+/-0.218 χ^2/NDF:188394.0/20

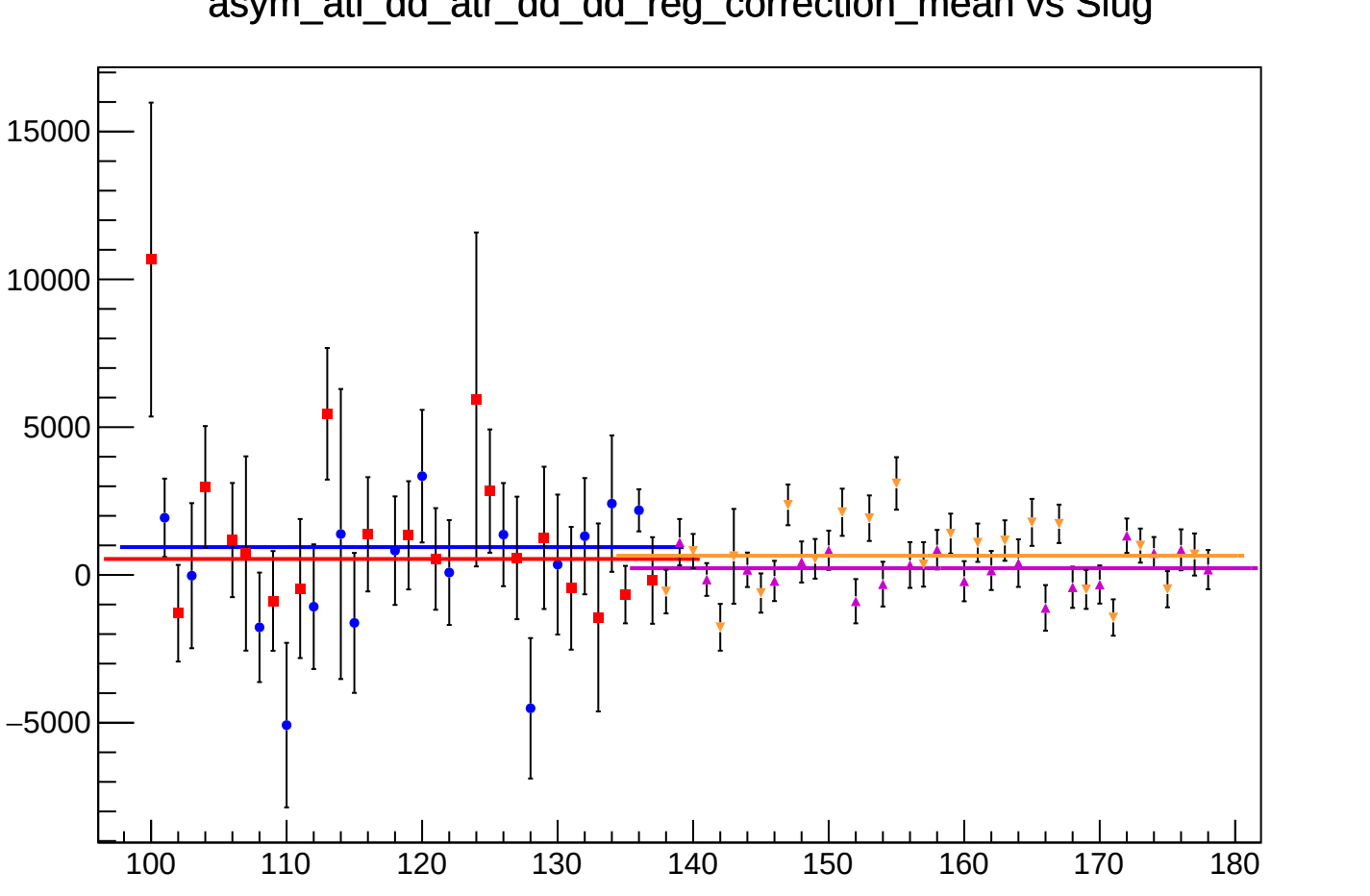
Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1240.677+/-0.217 χ^2/NDF:30617.4/19

+ sign 1258.713+/-0.183 χ^2/NDF: 710092.3/36

All: 1255.730+/-0.130 χ^2/NDF: 1074005.6/75

- sign 1252.762+/-0.183 χ^2/NDF: 363385.7/38



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 650.567+/-152.554 χ^2/NDF:61.2/20

Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

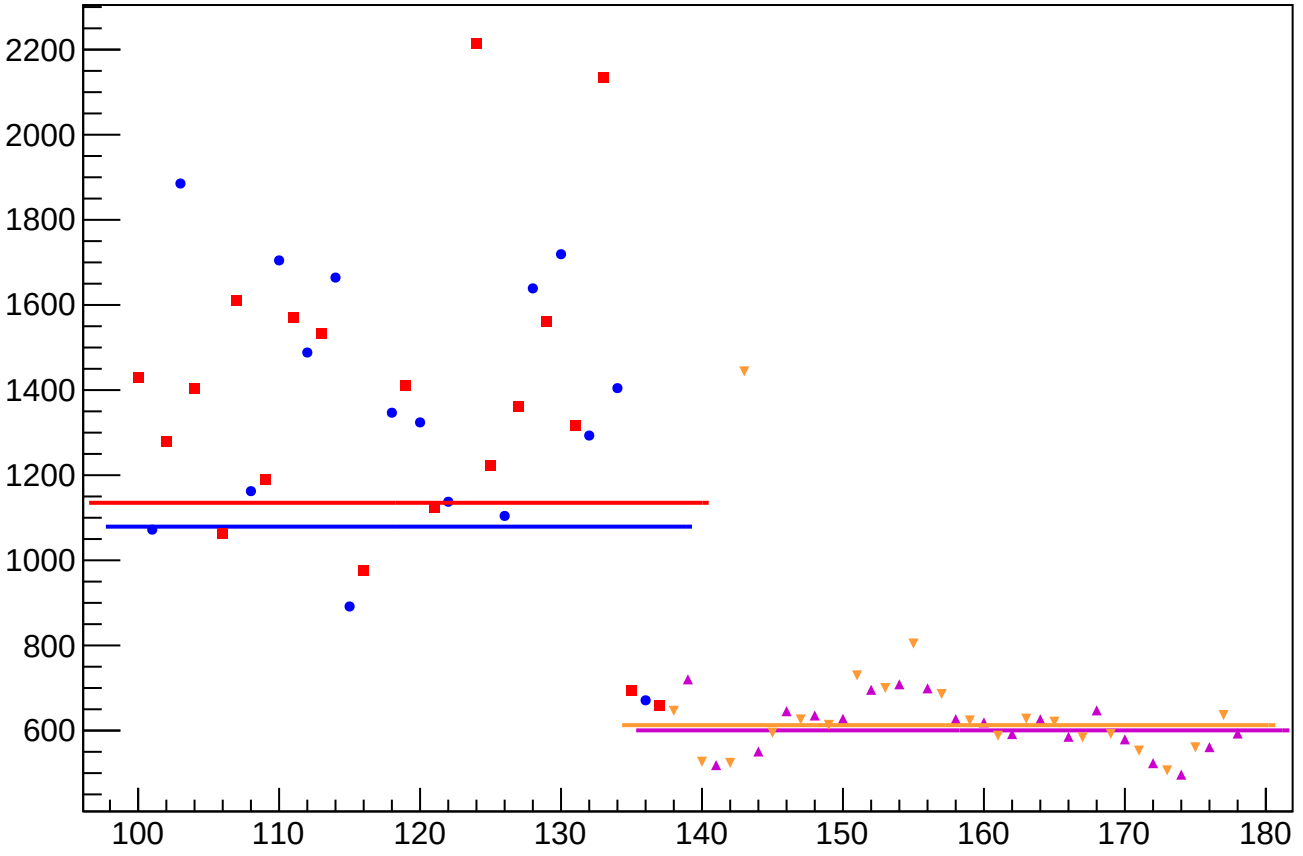
Left In: 228.064+/-149.657 χ^2/NDF:17.1/19

+ sign 683.688+/-143.616 χ^2/NDF: 81.5/36

All: 469.219+/-100.861 χ^2/NDF: 120.6/75

- sign 260.487+/-141.683 χ^2/NDF: 34.7/38

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: 612.699+/-0.108 χ^2/NDF:908075.3/20

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

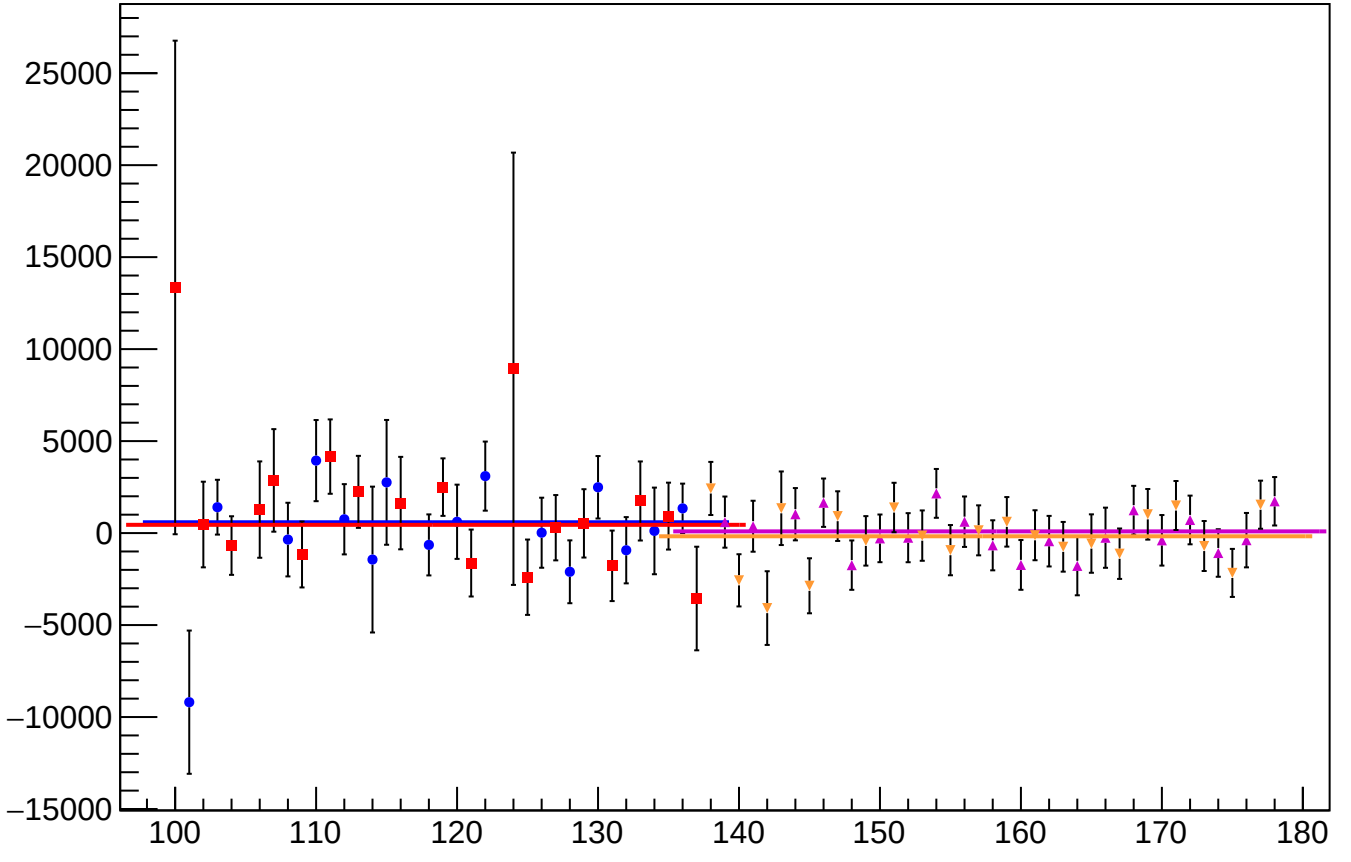
Left In: 600.408+/-0.106 χ^2/NDF:362658.3/19

+ sign 665.750+/-0.102 χ^2/NDF: 4516782.4/36

All: 660.748+/-0.071 χ^2/NDF: 8826154.1/75

- sign 655.879+/-0.100 χ^2/NDF: 4304583.8/38

cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -174.375+/-307.648 χ^2/NDF:23.7/20

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

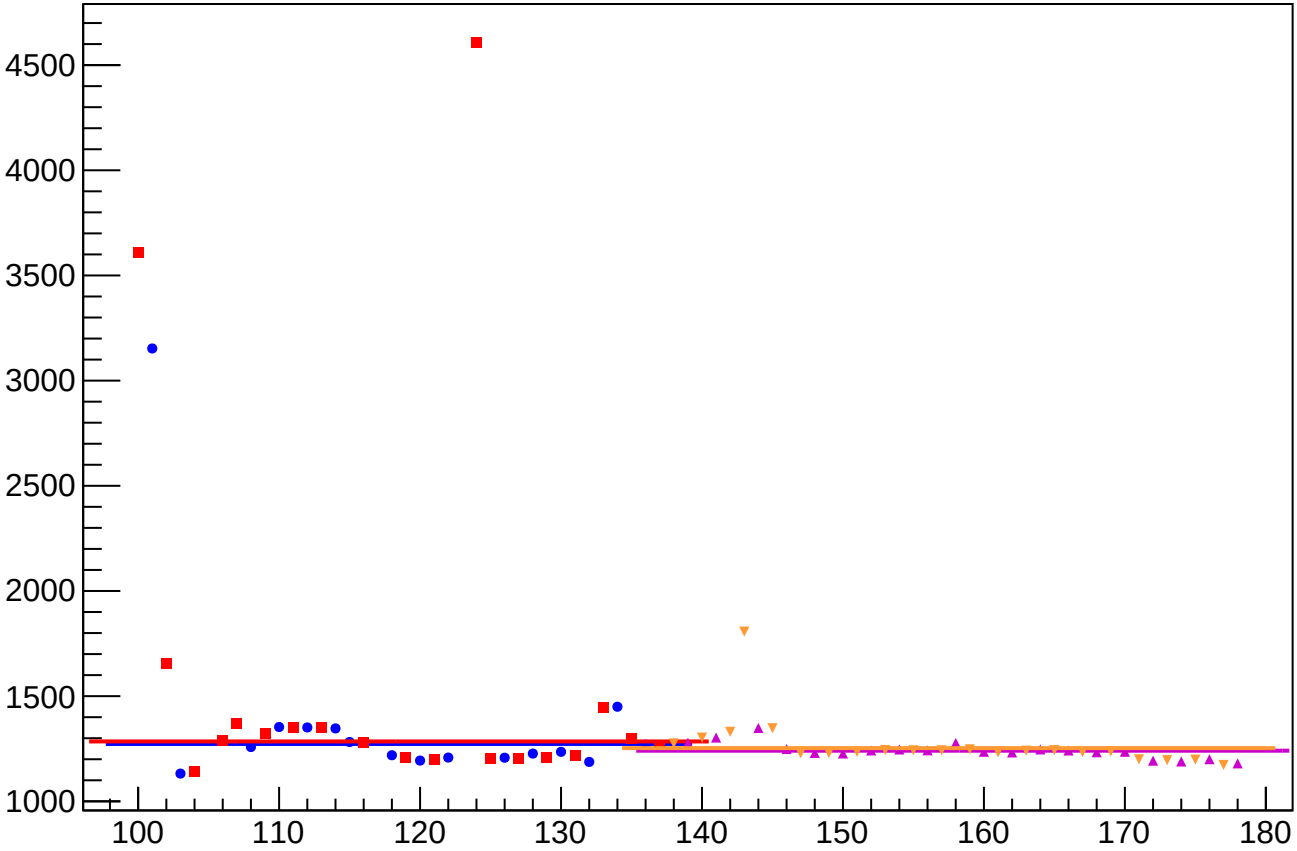
Left In: 92.963+/-307.018 χ^2/NDF:13.9/19

+ sign 45.810+/-259.394 χ^2/NDF: 42.5/36

All: 120.942+/-183.225 χ^2/NDF: 73.8/75

- sign 195.757+/-258.845 χ^2/NDF: 31.1/38

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1252.983+/-0.218 χ^2/NDF:188394.0/20

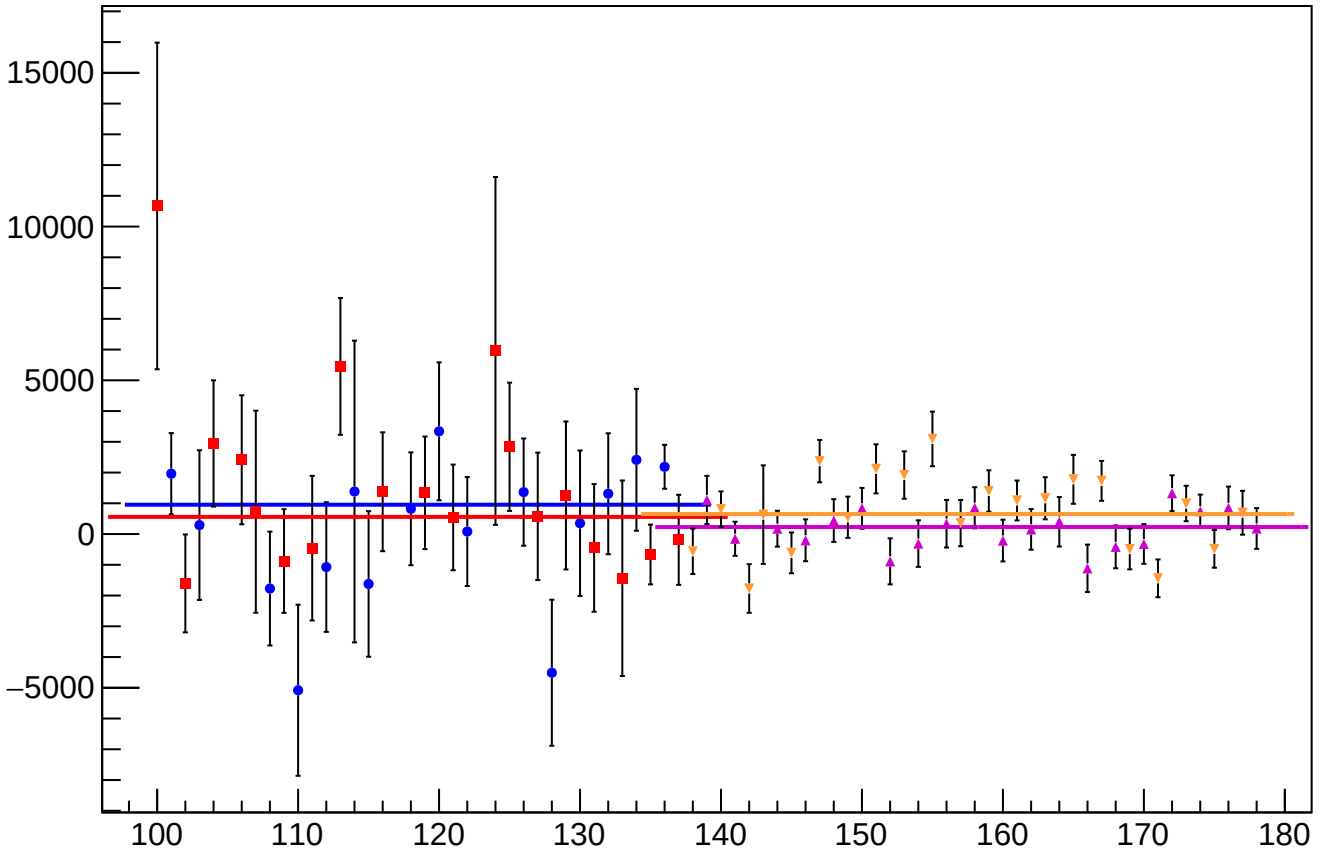
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1240.677+/-0.217 χ^2/NDF:30617.4/19

+ sign 1258.713+/-0.183 χ^2/NDF: 710093.6/36

All: 1256.048+/-0.130 χ^2/NDF: 1081734.4/75

- sign 1253.395+/-0.183 χ^2/NDF: 371219.5/38



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 650.593+/-152.555 χ^2/NDF:61.2/20

Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

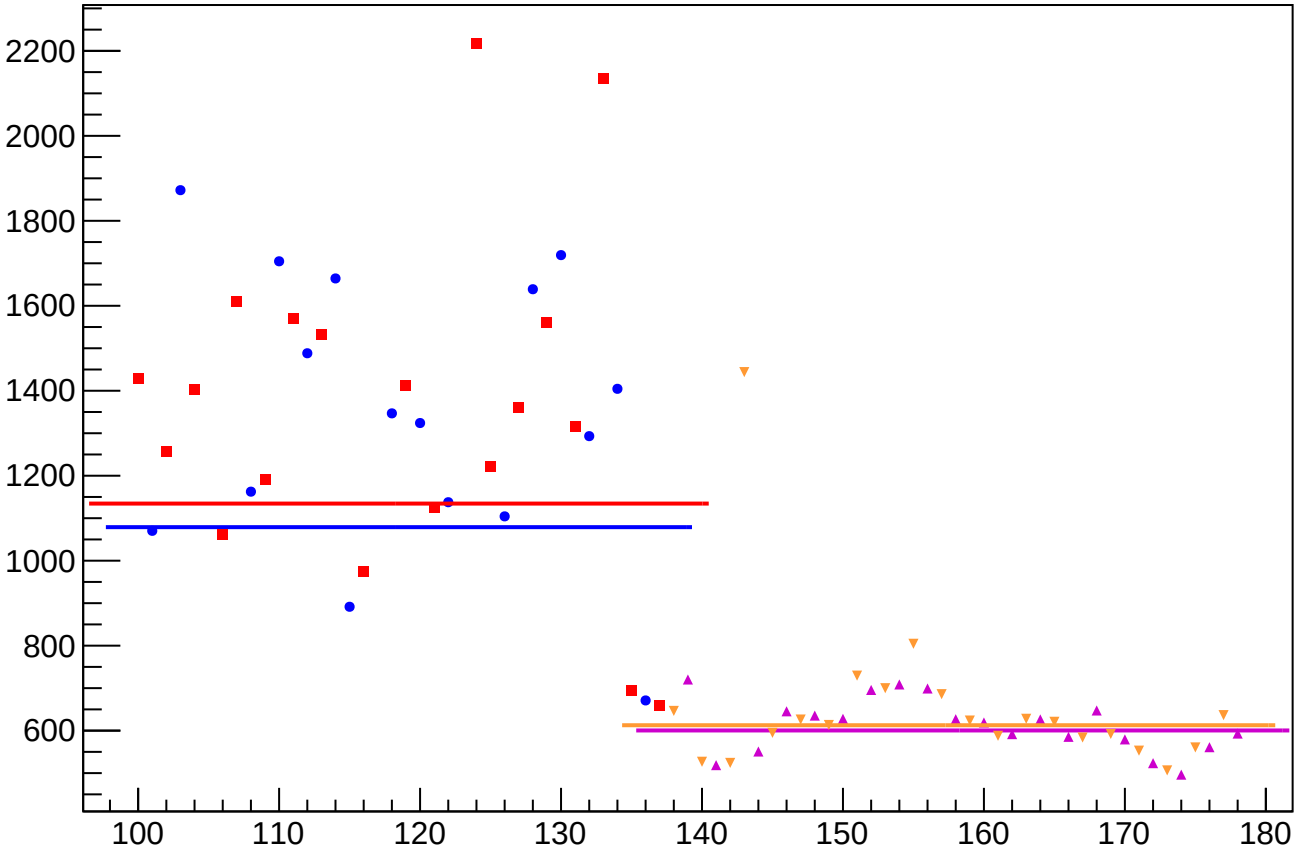
Left In: 228.055+/-149.657 χ^2/NDF:17.1/19

+ sign 685.145+/-143.610 χ^2/NDF: 81.5/36

All: 470.834+/-100.869 χ^2/NDF: 121.9/75

- sign 262.156+/-141.710 χ^2/NDF: 36.0/38

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: 612.702+/-0.108 χ^2/NDF:908027.8/20

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

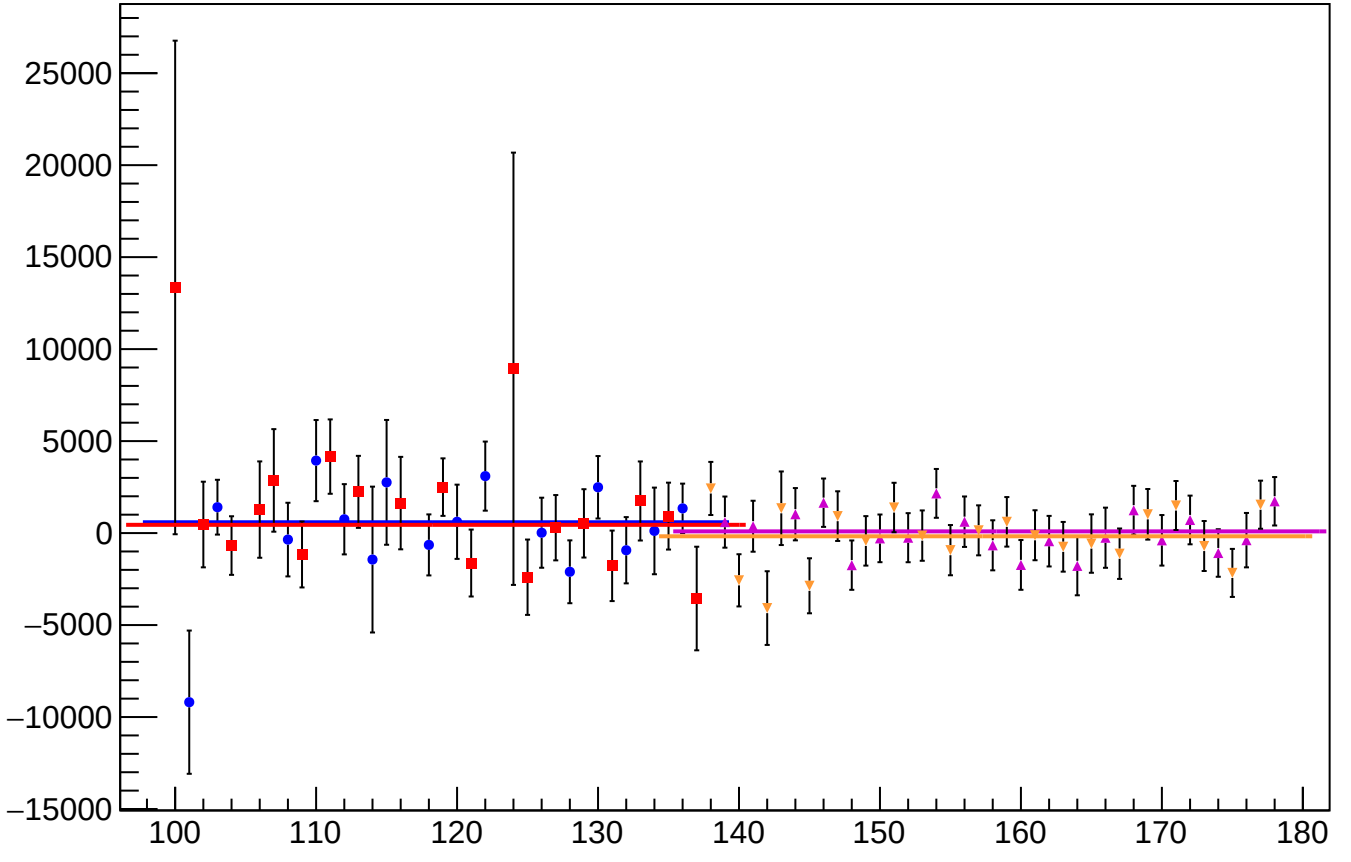
Left In: 600.404+/-0.106 χ^2/NDF:362683.1/19

\+ sign 665.771+/-0.102 χ^2/NDF: 4513038.0/36

All: 660.622+/-0.071 χ^2/NDF: 8802160.1/75

\- sign 655.608+/-0.100 χ^2/NDF: 4284046.8/38

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: -174.375+/-307.648 χ^2/NDF:23.7/20

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

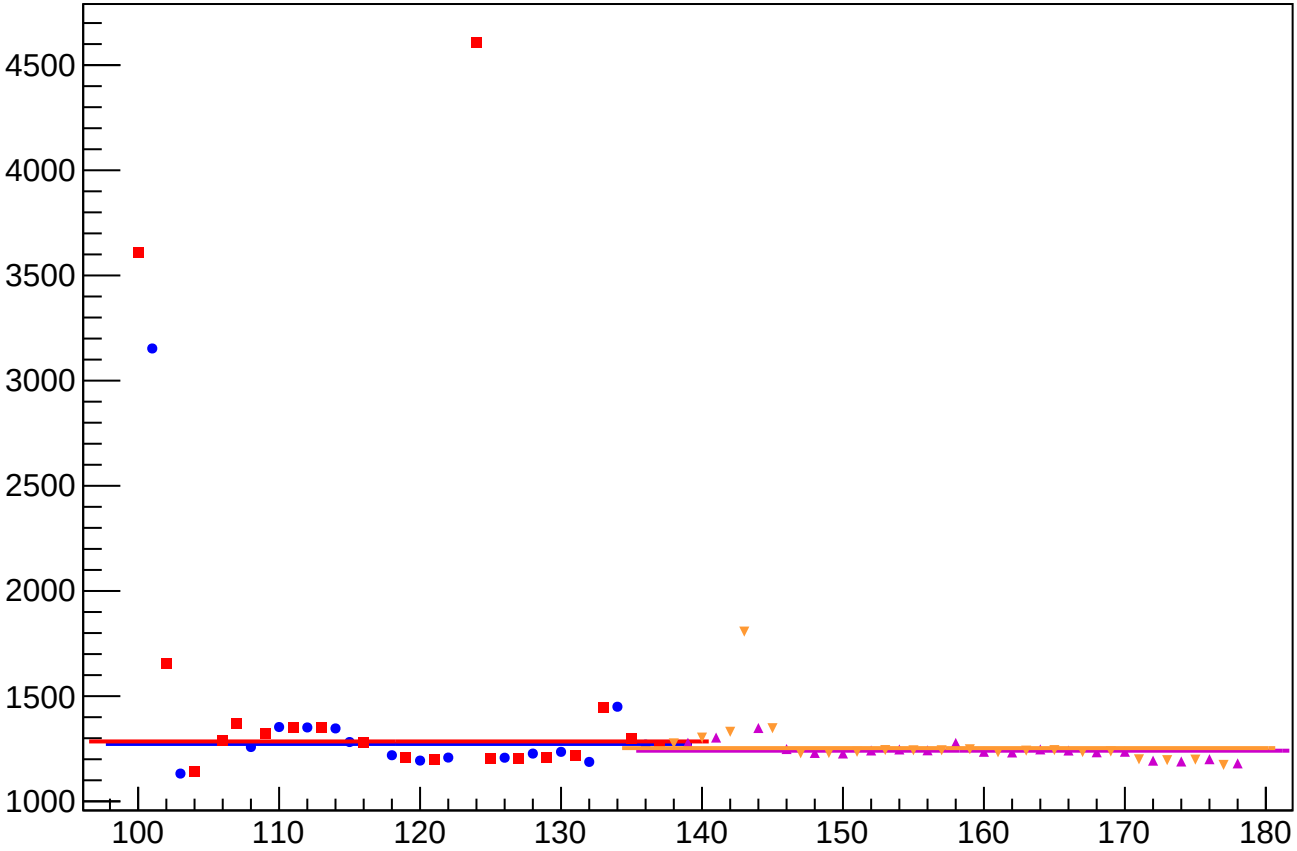
Left In: 92.963+/-307.018 χ^2/NDF:13.9/19

+ sign 45.810+/-259.394 χ^2/NDF: 42.5/36

All: 120.942+/-183.225 χ^2/NDF: 73.8/75

- sign 195.757+/-258.845 χ^2/NDF: 31.1/38

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: 1252.983+/-0.218 χ^2/NDF:188394.0/20

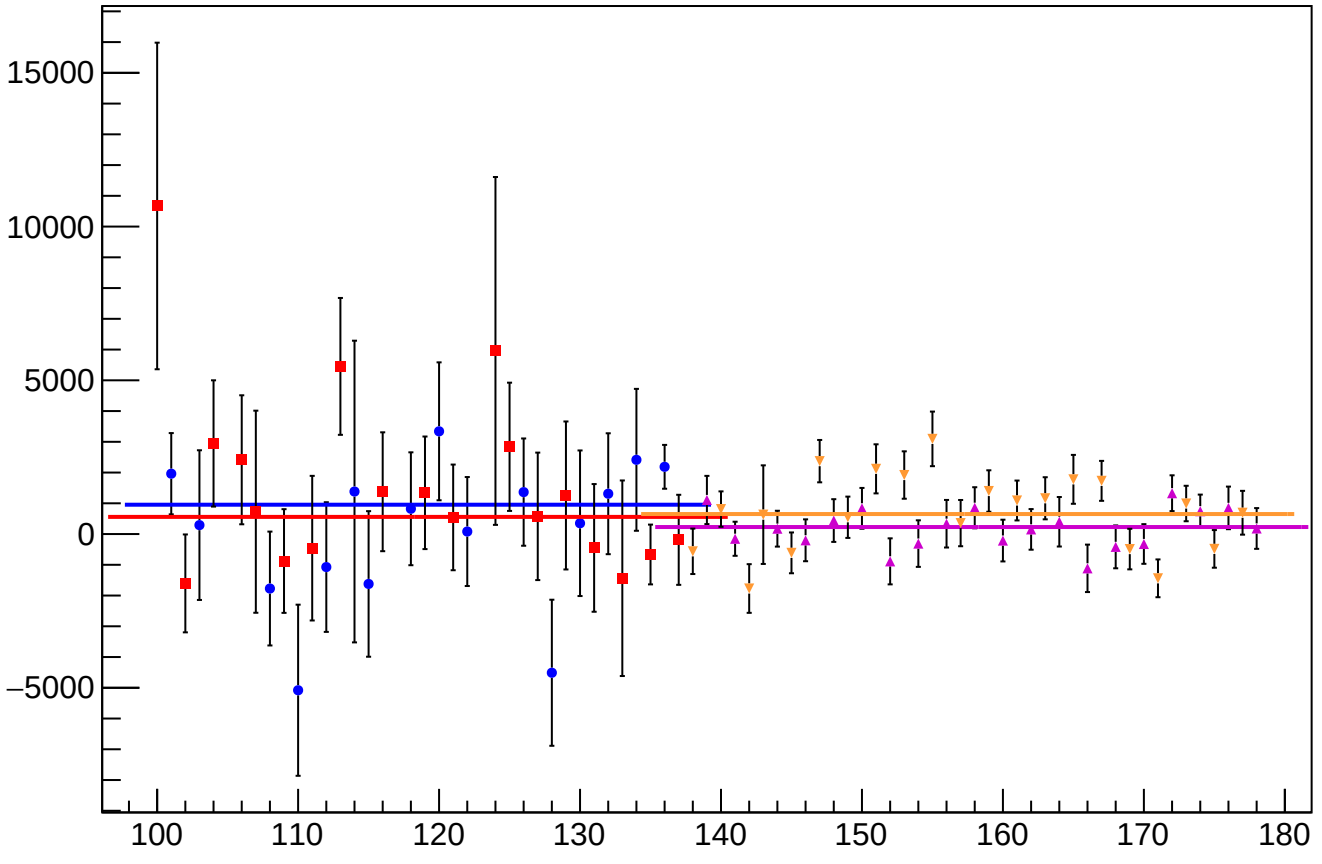
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1240.677+/-0.217 χ^2/NDF:30617.4/19

+ sign 1258.713+/-0.183 χ^2/NDF: 710093.6/36

All: 1256.048+/-0.130 χ^2/NDF: 1081734.4/75

- sign 1253.395+/-0.183 χ^2/NDF: 371219.5/38



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 650.593+/-152.555 χ^2/NDF:61.2/20

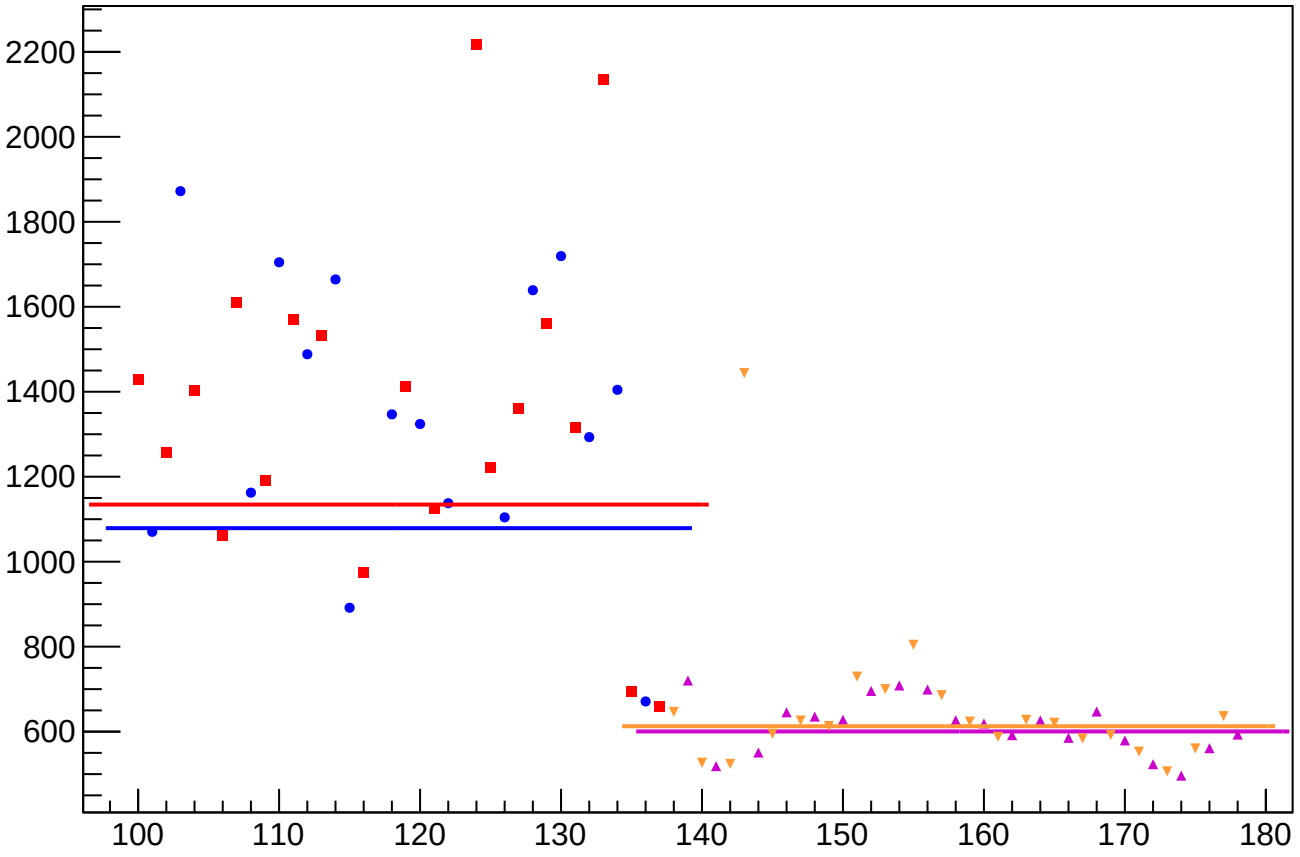
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 228.055+/-149.657 χ^2/NDF:17.1/19

+ sign 685.145+/-143.610 χ^2/NDF: 81.5/36

All: 470.834+/-100.869 χ^2/NDF: 121.9/75

- sign 262.156+/-141.710 χ^2/NDF: 36.0/38



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 612.702+/-0.108 χ^2/NDF:908027.8/20

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

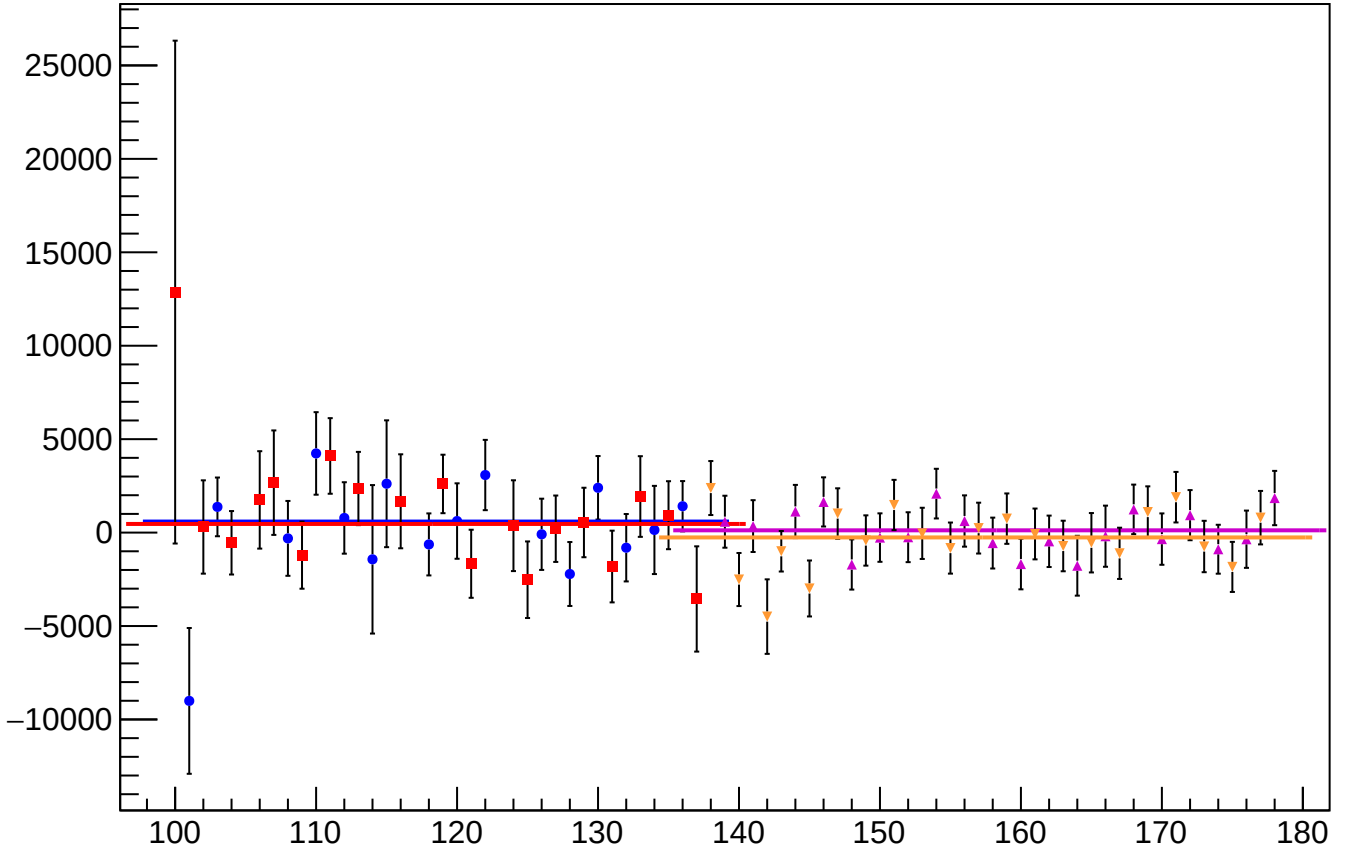
Left In: 600.404+/-0.106 χ^2/NDF:362683.1/19

\+ sign 665.771+/-0.102 χ^2/NDF: 4513038.0/36

All: 660.622+/-0.071 χ^2/NDF: 8802160.1/75

\- sign 655.608+/-0.100 χ^2/NDF: 4284046.8/38

dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -258.828+/-301.527 χ^2/NDF:23.8/20

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

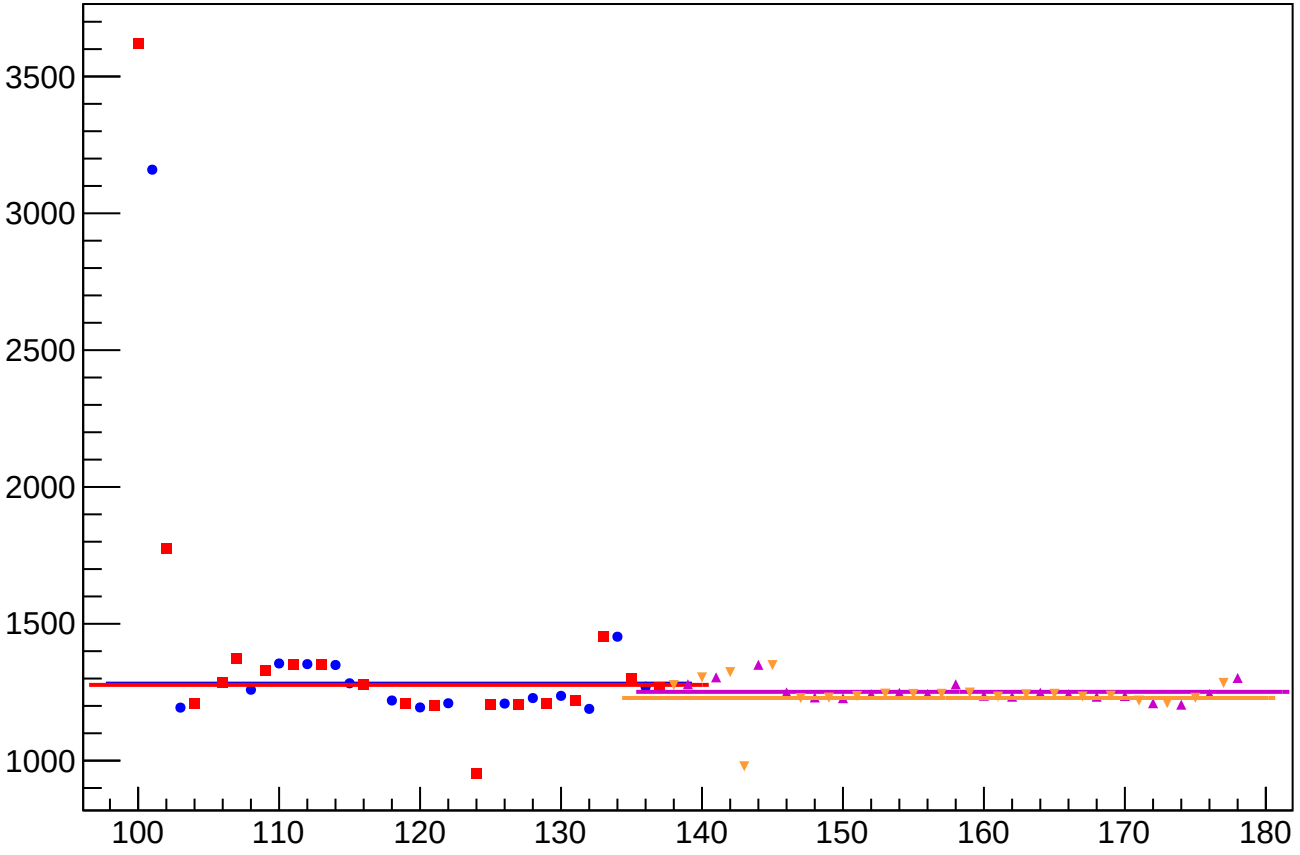
Left In: 121.738+/-309.641 χ^2/NDF:13.3/19

+ sign -22.451+/-256.144 χ^2/NDF: 43.1/36

All: 98.517+/-182.360 χ^2/NDF: 73.8/75

- sign 222.853+/-259.685 χ^2/NDF: 30.3/38

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1228.956+/-0.213 χ^2/NDF:136371.9/20

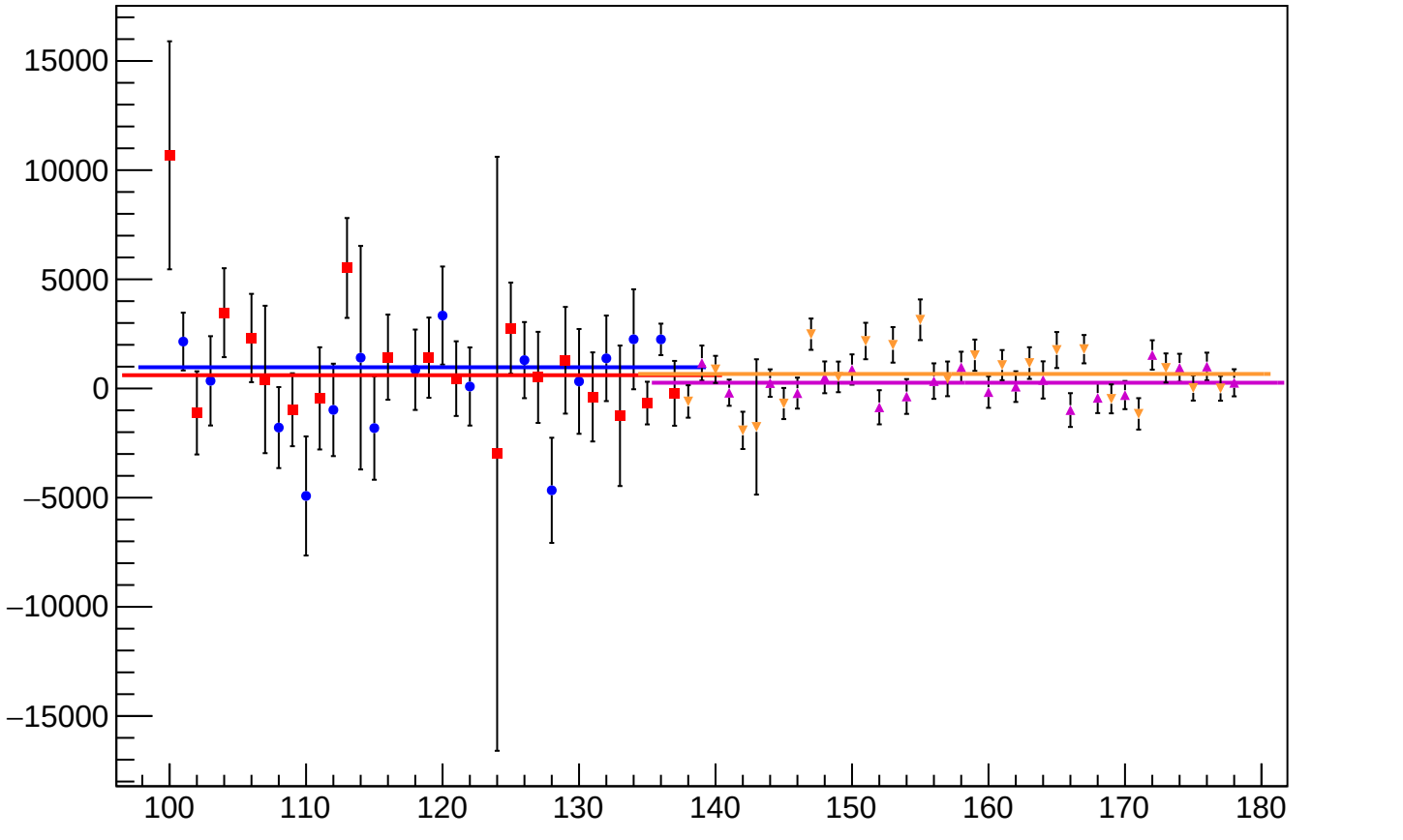
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1251.373+/-0.219 χ^2/NDF:23643.4/19

+ sign 1243.546+/-0.181 χ^2/NDF: 660272.4/36

All: 1251.134+/-0.129 χ^2/NDF: 912008.4/75

- sign 1258.934+/-0.184 χ^2/NDF: 248176.5/38



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 665.726+/-158.358 χ^2/NDF:55.2/20

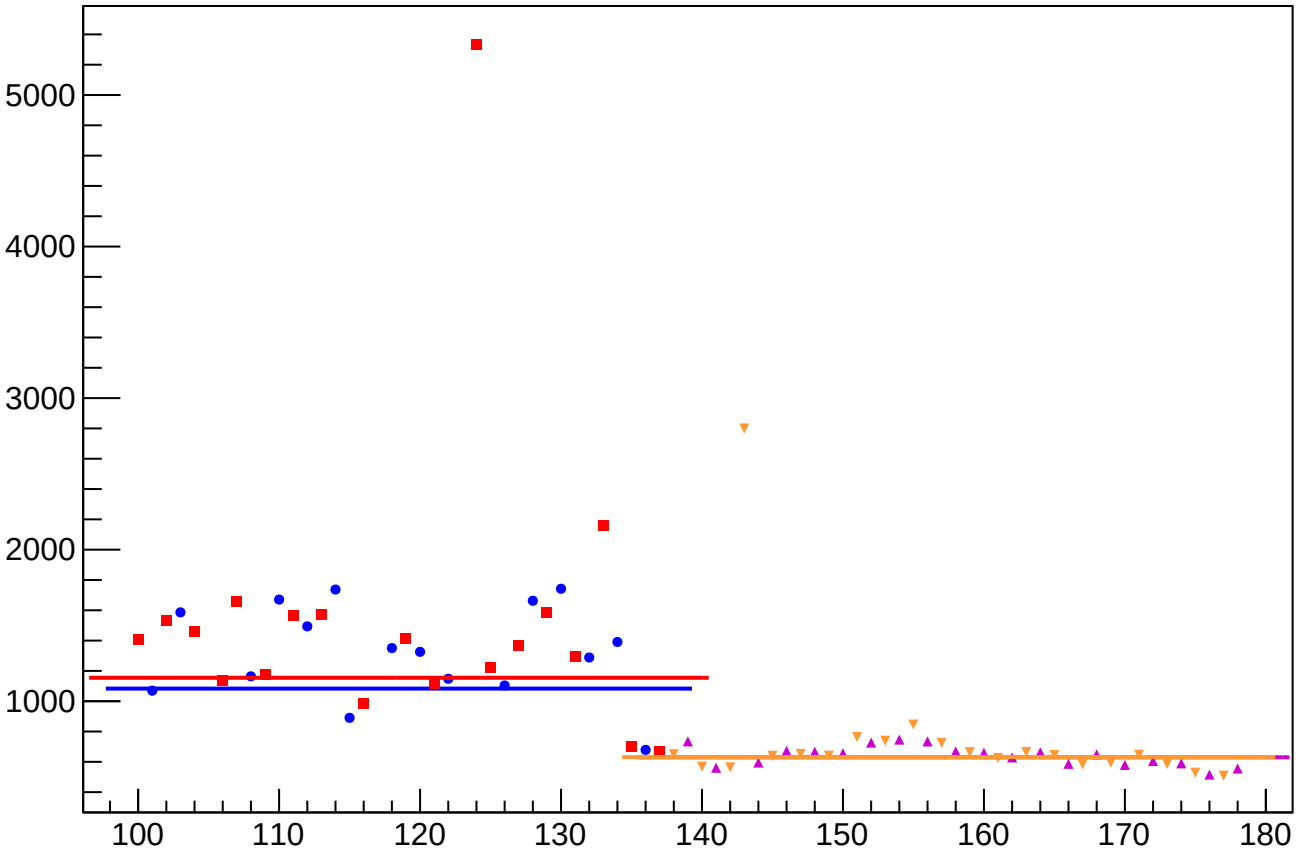
Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: 263.517+/-156.871 χ^2/NDF:17.7/19

\+ sign 703.065+/-148.401 χ^2/NDF: 76.1/36

All: 501.667+/-104.810 χ^2/NDF: 115.2/75

\- sign 301.228+/-148.047 χ^2/NDF: 35.4/38



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 631.200+/-0.112 χ^2/NDF:1428122.1/20

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

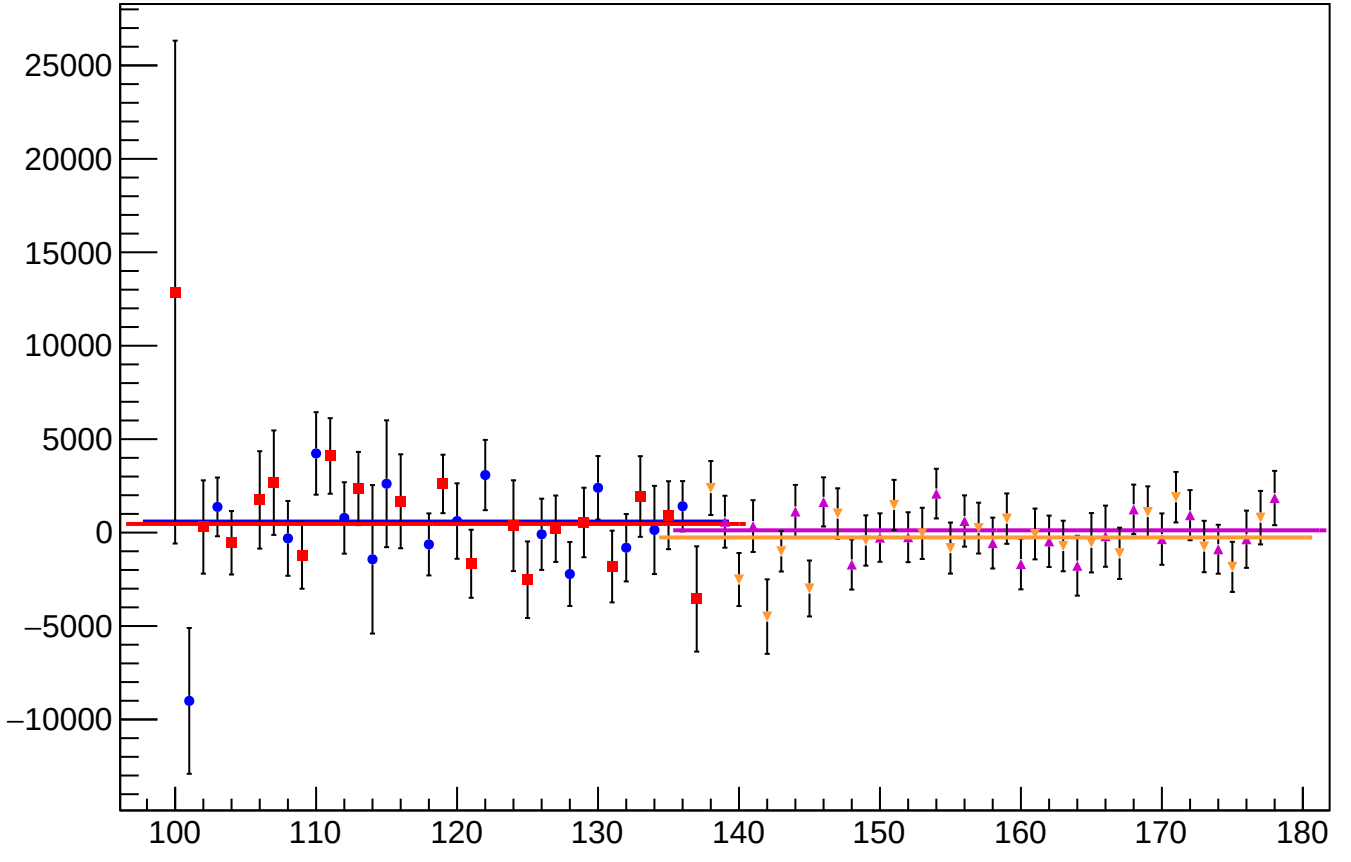
Left In: 629.938+/-0.111 χ^2/NDF:324416.8/19

+ sign 686.270+/-0.105 χ^2/NDF: 4774071.3/36

All: 686.794+/-0.074 χ^2/NDF: 9034037.9/75

- sign 687.316+/-0.105 χ^2/NDF: 4259916.9/38

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: -258.829+/-301.527 χ^2/NDF:23.8/20

Right Out: 462.605+/-476.795 χ^2/NDF: 16.7/18

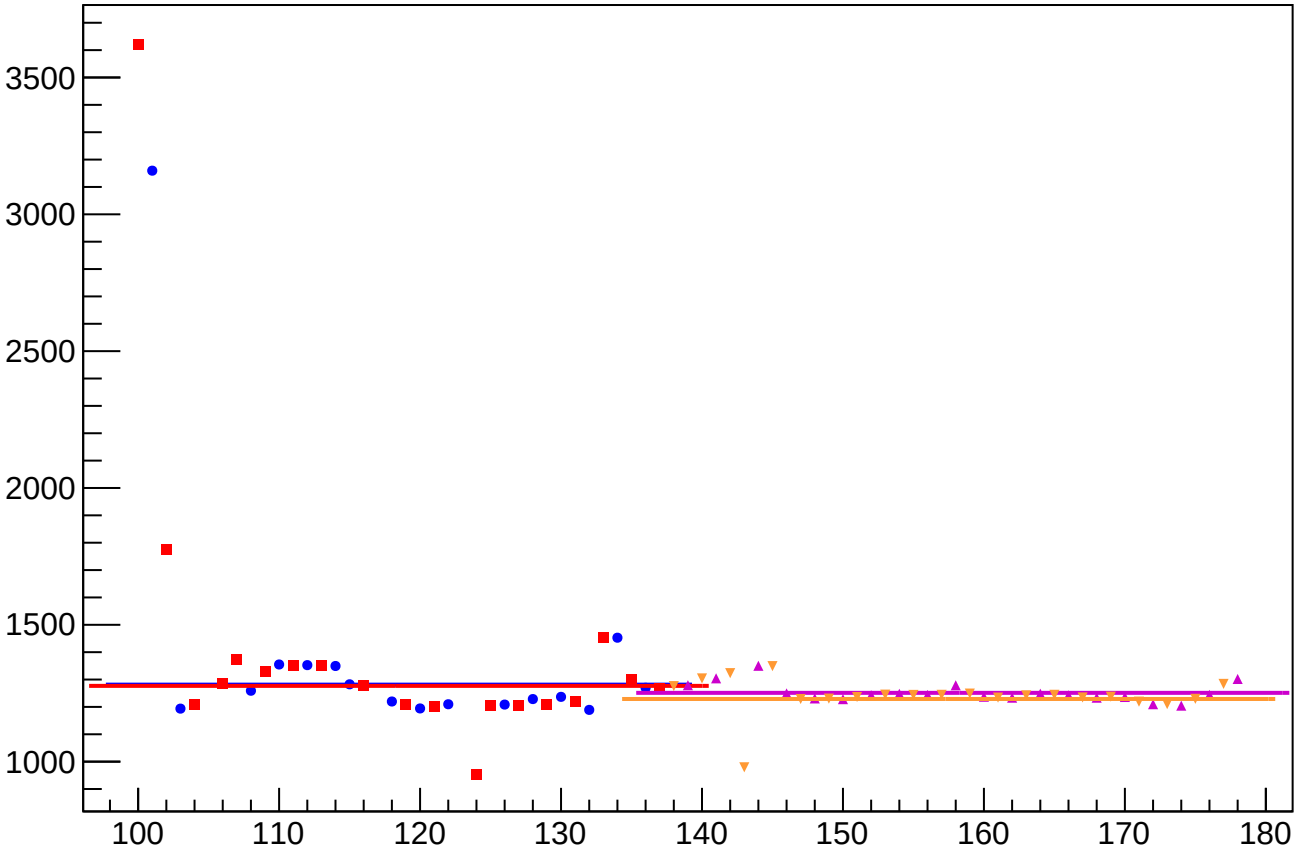
Left In: 121.737+/-309.641 χ^2/NDF:13.3/19

+ sign -22.452+/-256.144 χ^2/NDF: 43.1/36

All: 98.516+/-182.360 χ^2/NDF: 73.8/75

- sign 222.853+/-259.685 χ^2/NDF: 30.3/38

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: 1228.956+/-0.213 χ^2/NDF:136371.2/20

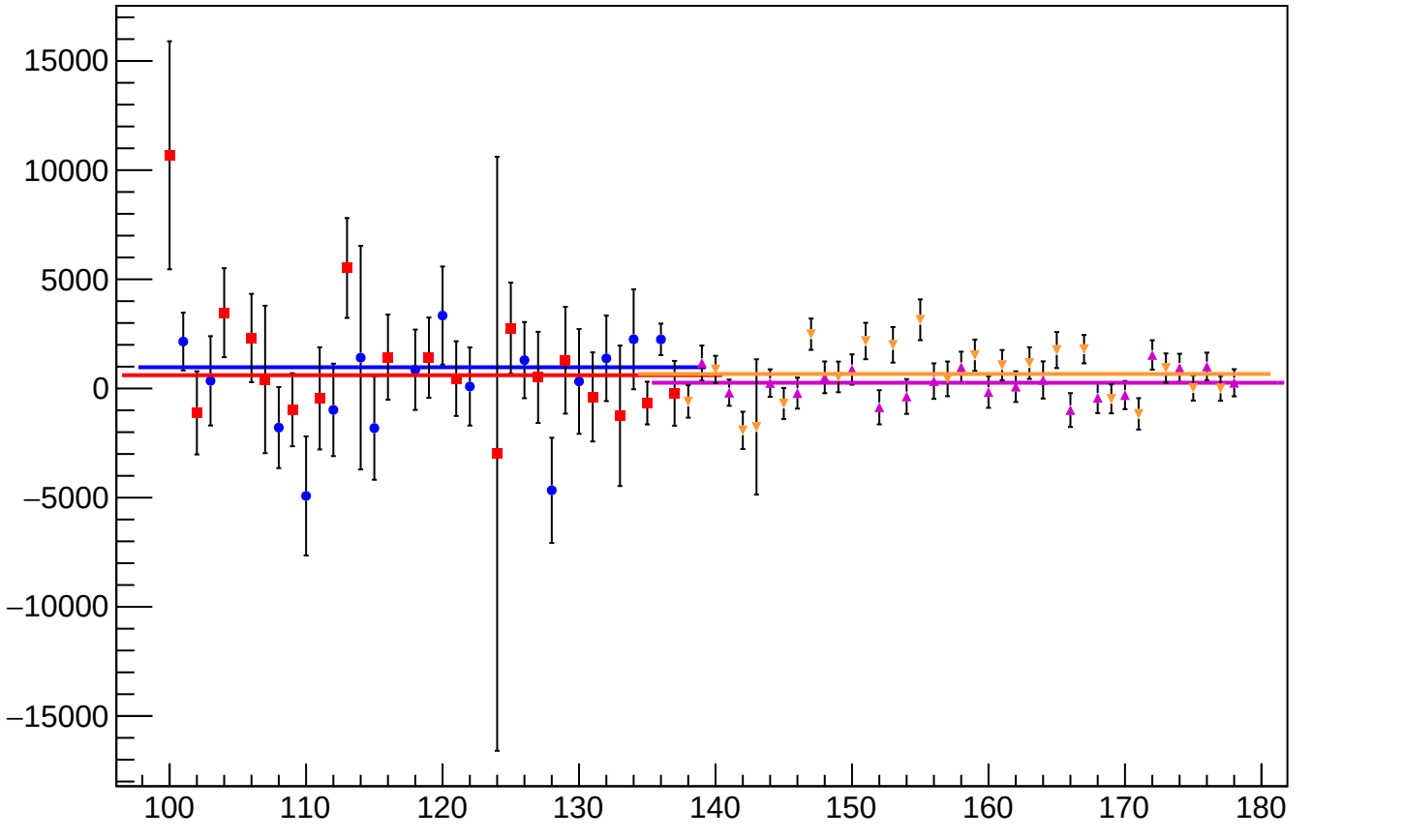
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1251.373+/-0.219 χ^2/NDF:23643.3/19

+ sign 1243.546+/-0.181 χ^2/NDF: 660271.7/36

All: 1251.134+/-0.129 χ^2/NDF: 912007.6/75

- sign 1258.934+/-0.184 χ^2/NDF: 248176.3/38



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 665.726+/-158.358 χ^2/NDF:55.2/20

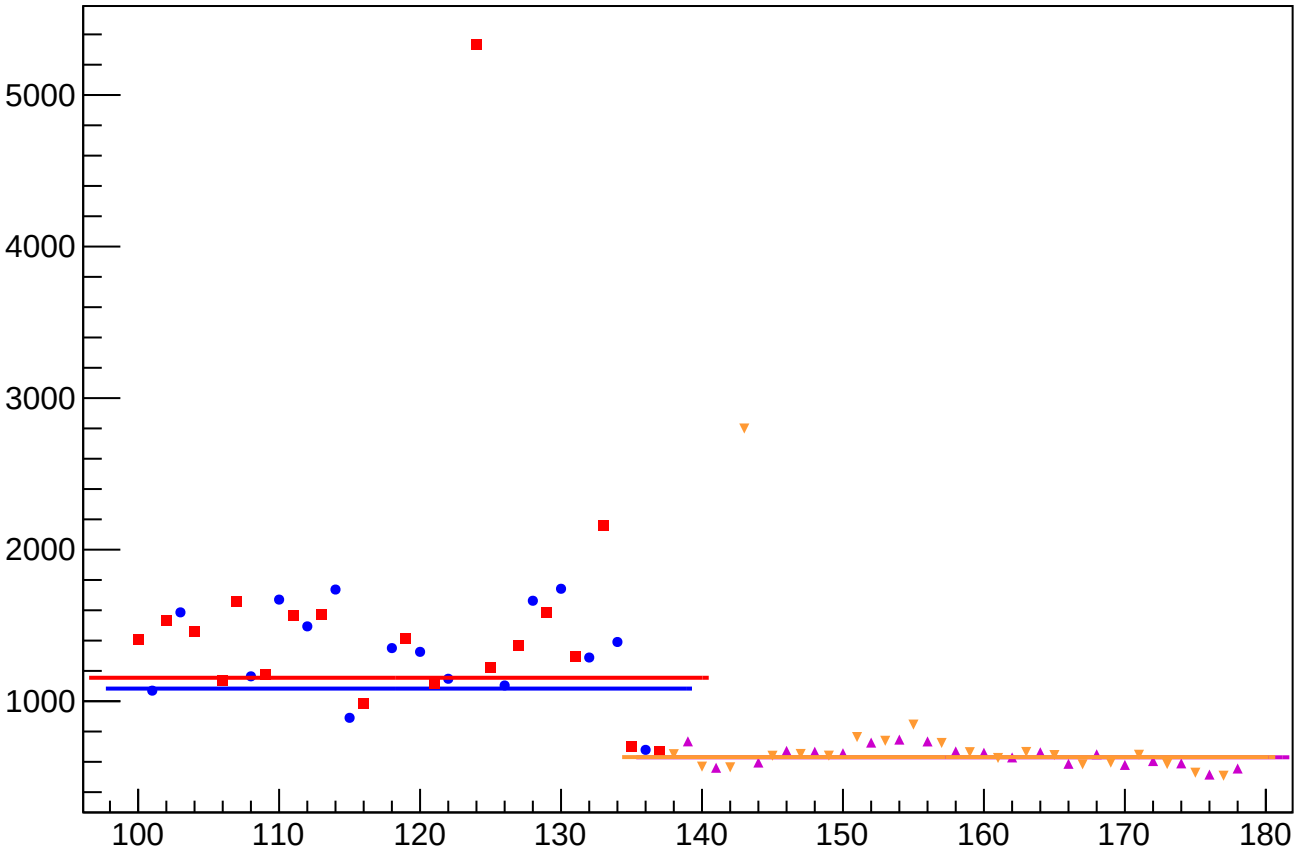
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 263.516+/-156.871 χ^2/NDF:17.7/19

+ sign 703.065+/-148.401 χ^2/NDF: 76.1/36

All: 501.666+/-104.810 χ^2/NDF: 115.2/75

- sign 301.228+/-148.047 χ^2/NDF: 35.4/38



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 631.200+/-0.112 χ^2/NDF:1428118.6/20

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

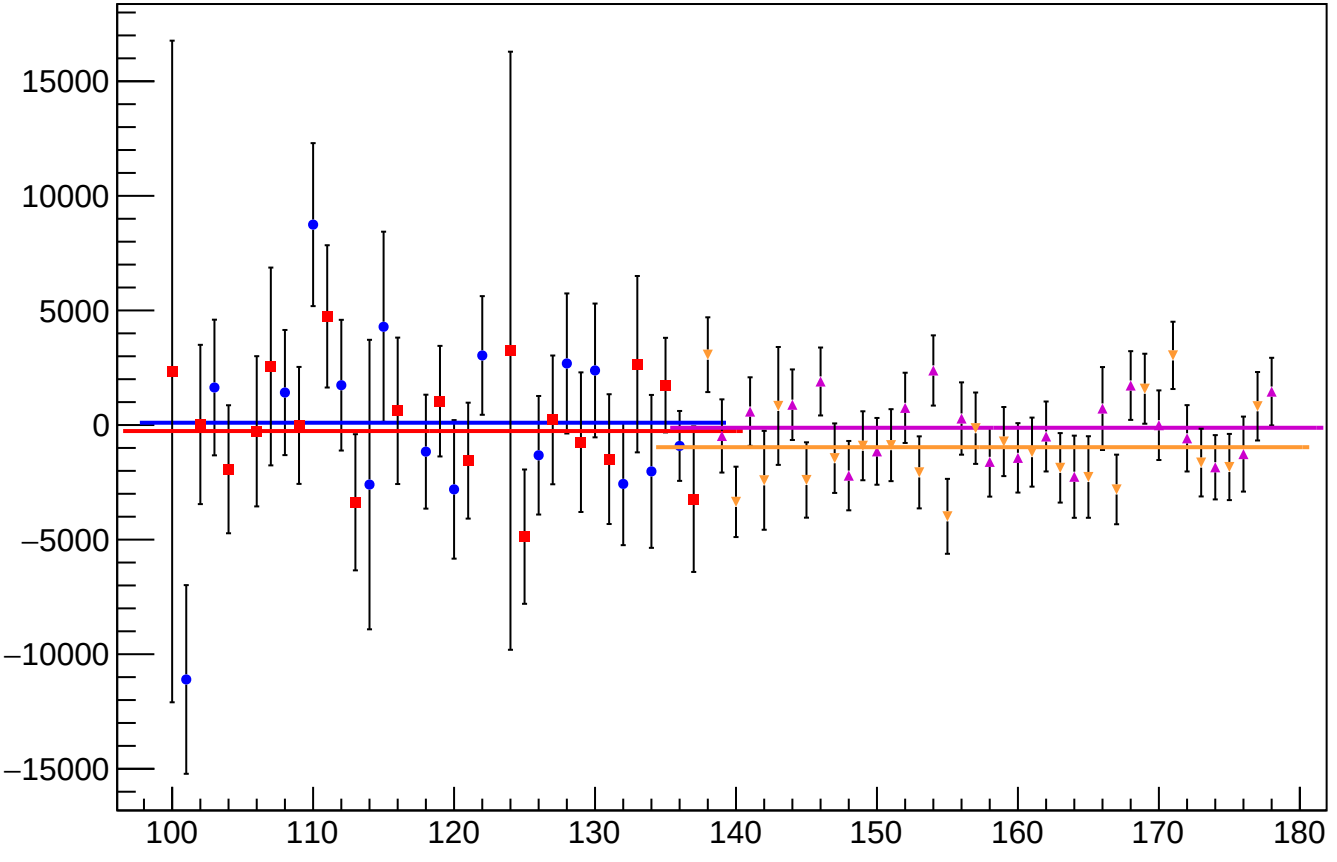
Left In: 629.938+/-0.111 χ^2/NDF:324421.7/19

+ sign 686.270+/-0.105 χ^2/NDF: 4774053.7/36

All: 686.794+/-0.074 χ^2/NDF: 9034029.1/75

- sign 687.315+/-0.105 χ^2/NDF: 4259925.7/38

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -966.800+/-345.996 χ^2/NDF:29.2/20

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

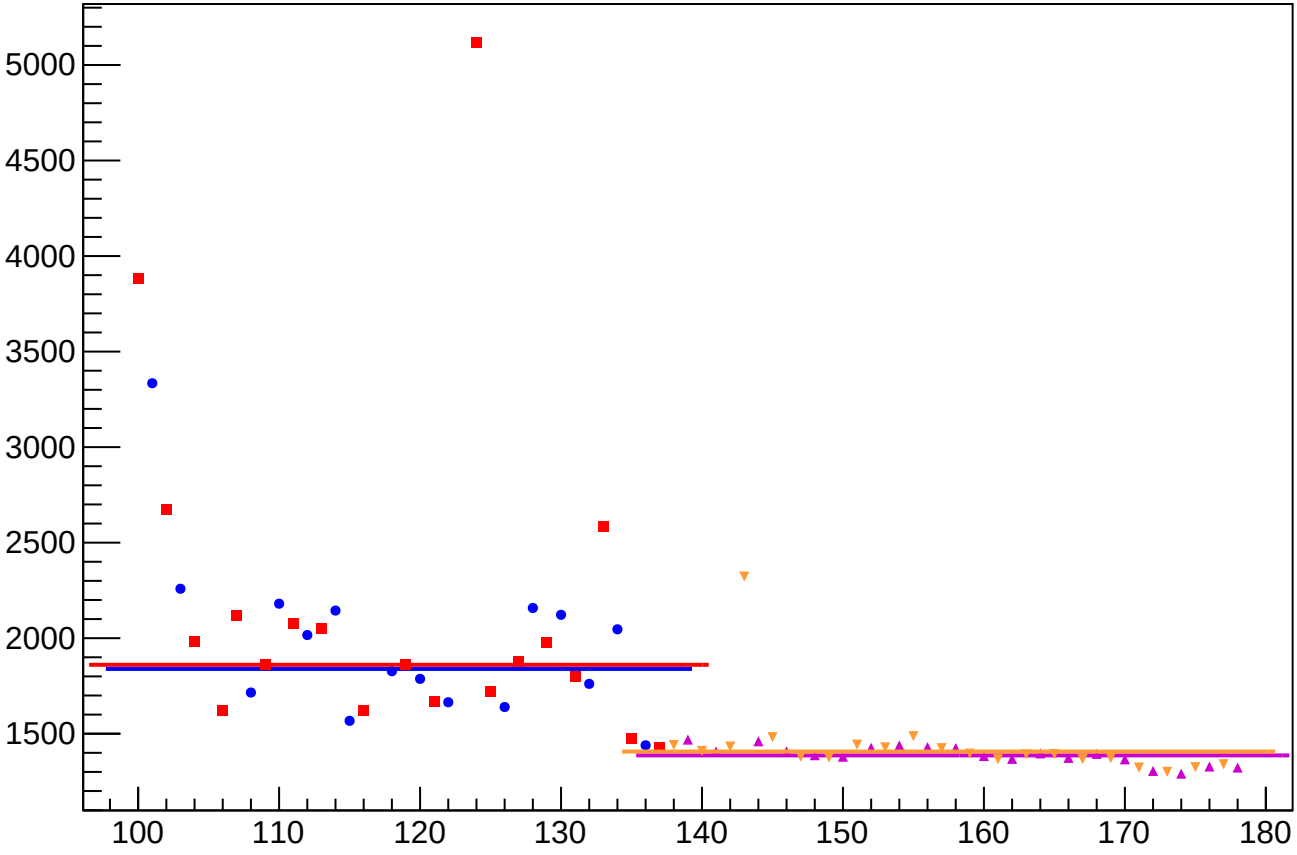
Left In: -119.804+/-343.188 χ^2/NDF:16.2/19

\+ sign -756.762+/-310.086 χ^2/NDF: 52.3/36

All: -450.206+/-218.567 χ^2/NDF: 80.8/75

\- sign -147.519+/-308.123 χ^2/NDF: 26.6/38

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1406.670+/-0.245 χ^2/NDF:298275.4/20

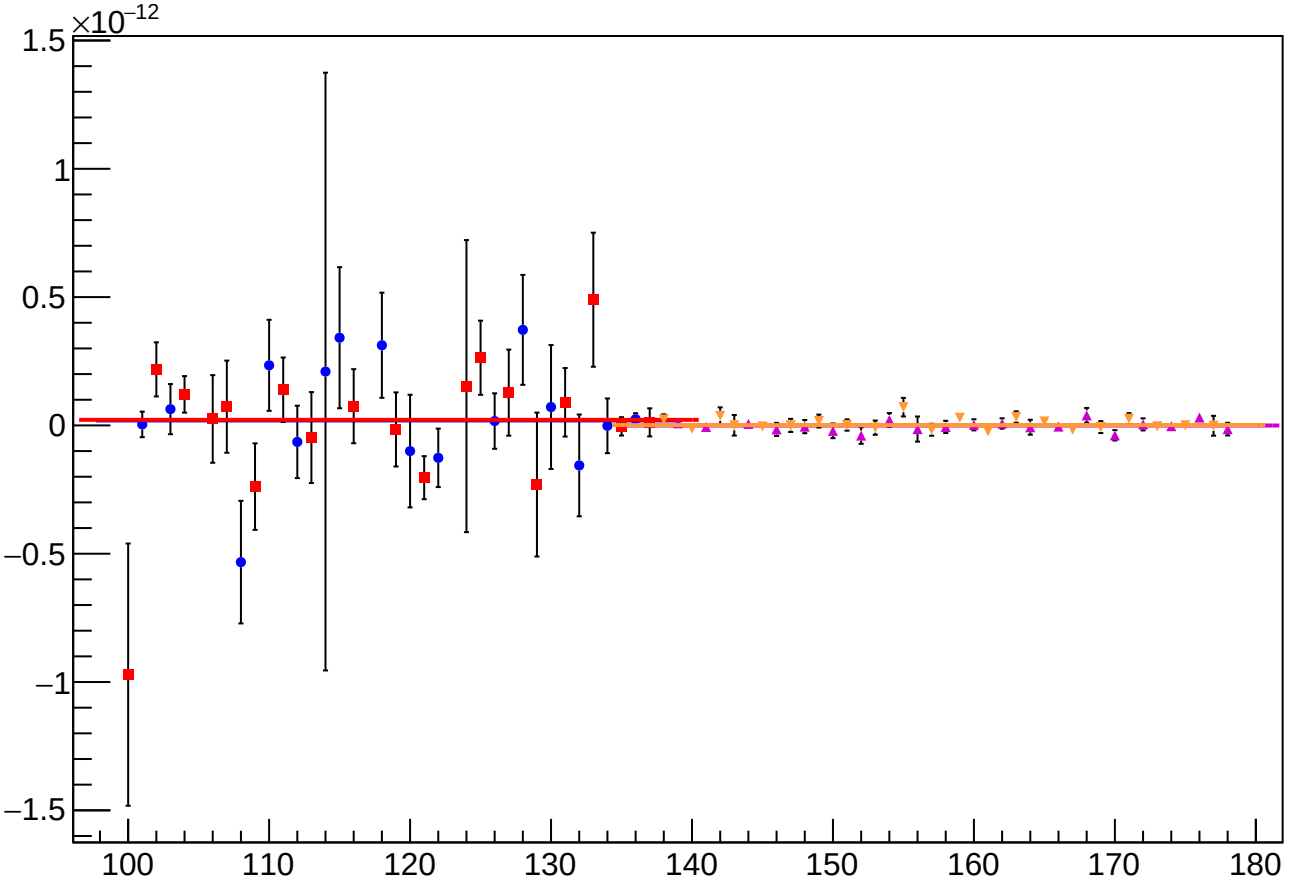
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1386.544+/-0.243 χ^2/NDF:39873.0/19

+ sign 1491.776+/-0.219 χ^2/NDF: 1469863.2/36

All: 1485.095+/-0.155 χ^2/NDF: 2774168.8/75

- sign 1478.499+/-0.218 χ^2/NDF: 1302460.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.7/20

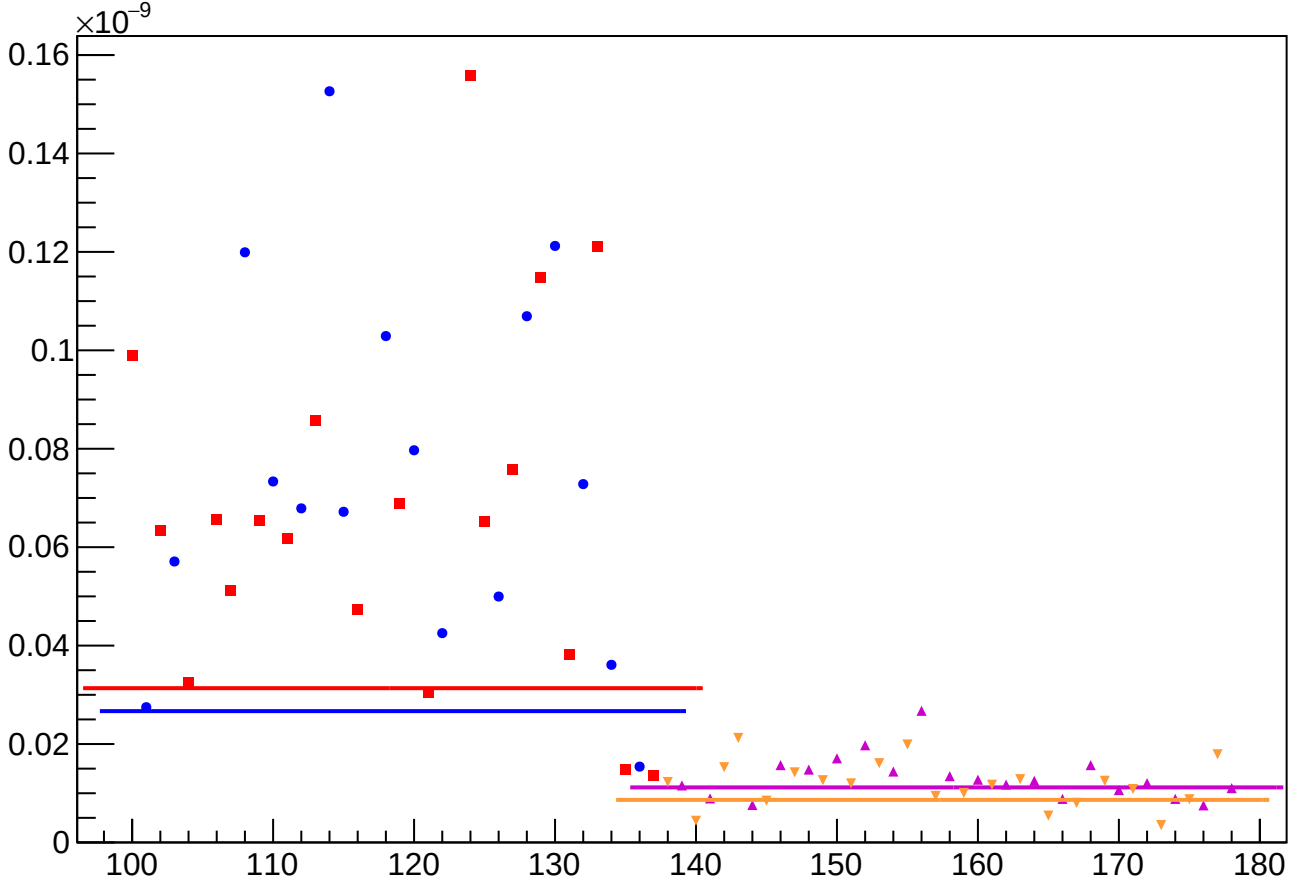
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:13.0/19

+ sign 0.000+/-0.000 χ^2/NDF: 36.1/36

All: 0.000+/-0.000 χ^2/NDF: 78.2/75

- sign 0.000+/-0.000 χ^2/NDF: 42.1/38



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2114148.2/20

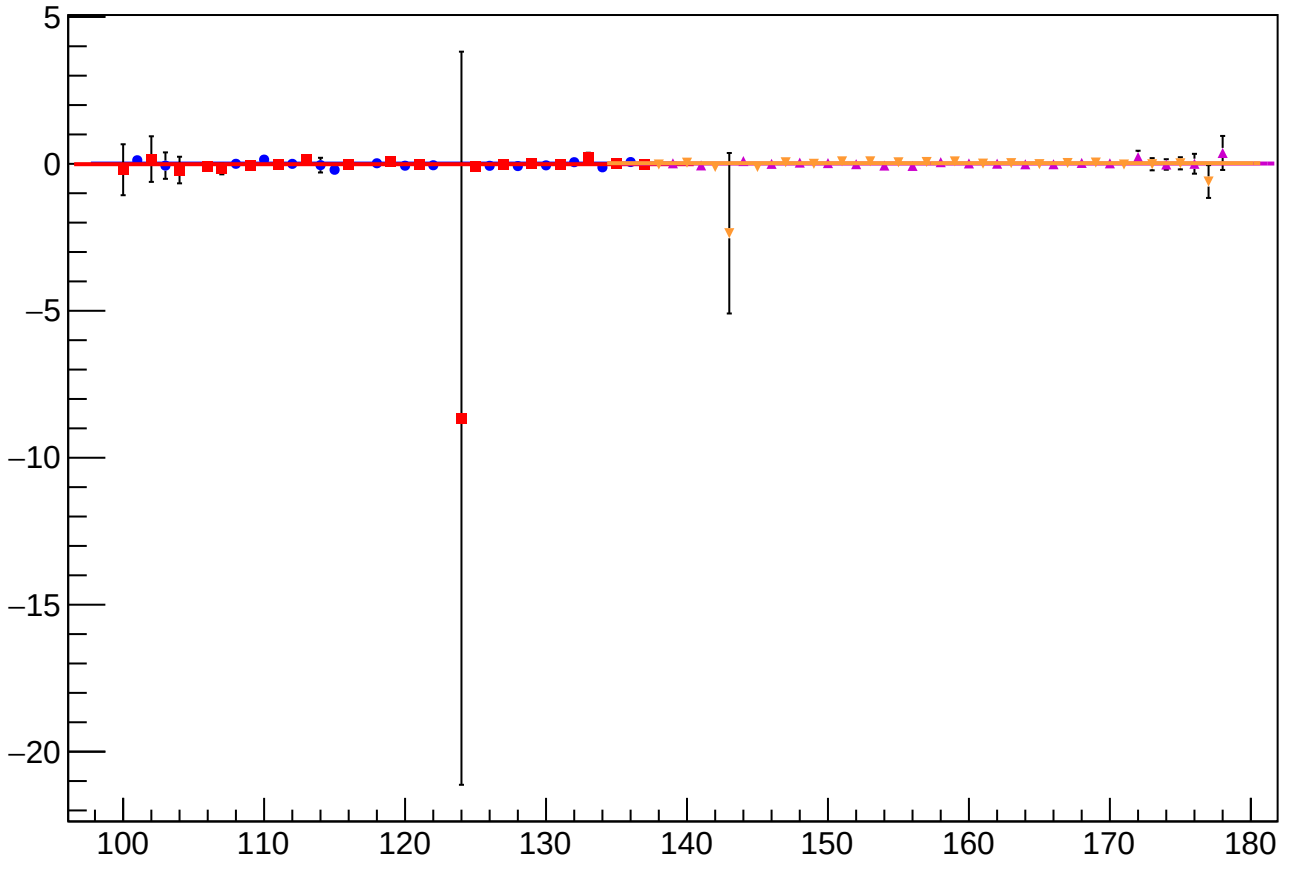
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:988305.0/19

+ sign 0.000+/-0.000 χ^2/NDF: 6452614.2/36

All: 0.000+/-0.000 χ^2/NDF: 11649699.2/75

- sign 0.000+/-0.000 χ^2/NDF: 4826815.5/38



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:19.4/20

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

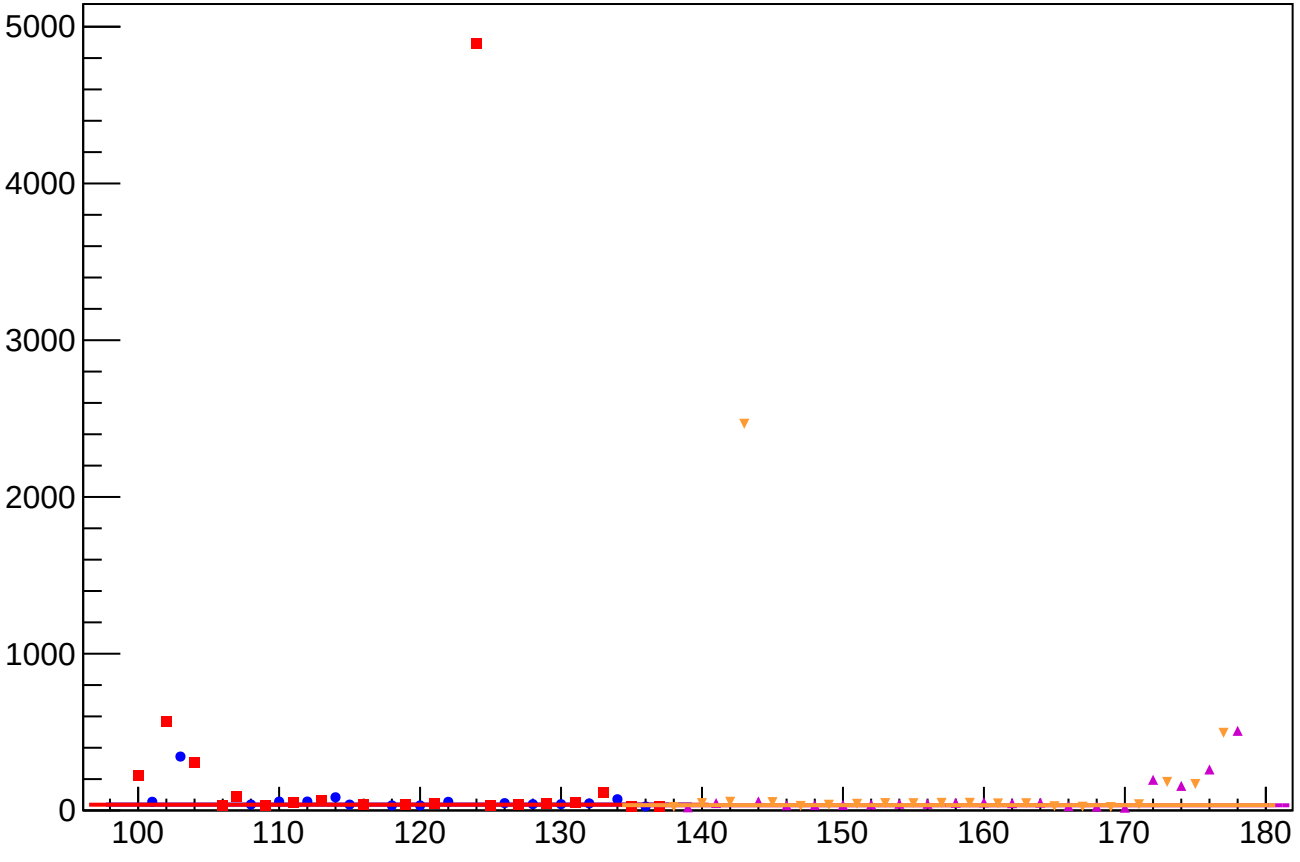
Left In: 0.010+/-0.010 χ^2/NDF:12.3/19

+ sign 0.018+/-0.009 χ^2/NDF: 39.2/36

All: 0.011+/-0.006 χ^2/NDF: 66.8/75

- sign 0.004+/-0.009 χ^2/NDF: 26.3/38

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: 33.822+/-0.007 χ^2/NDF:7220370.2/20

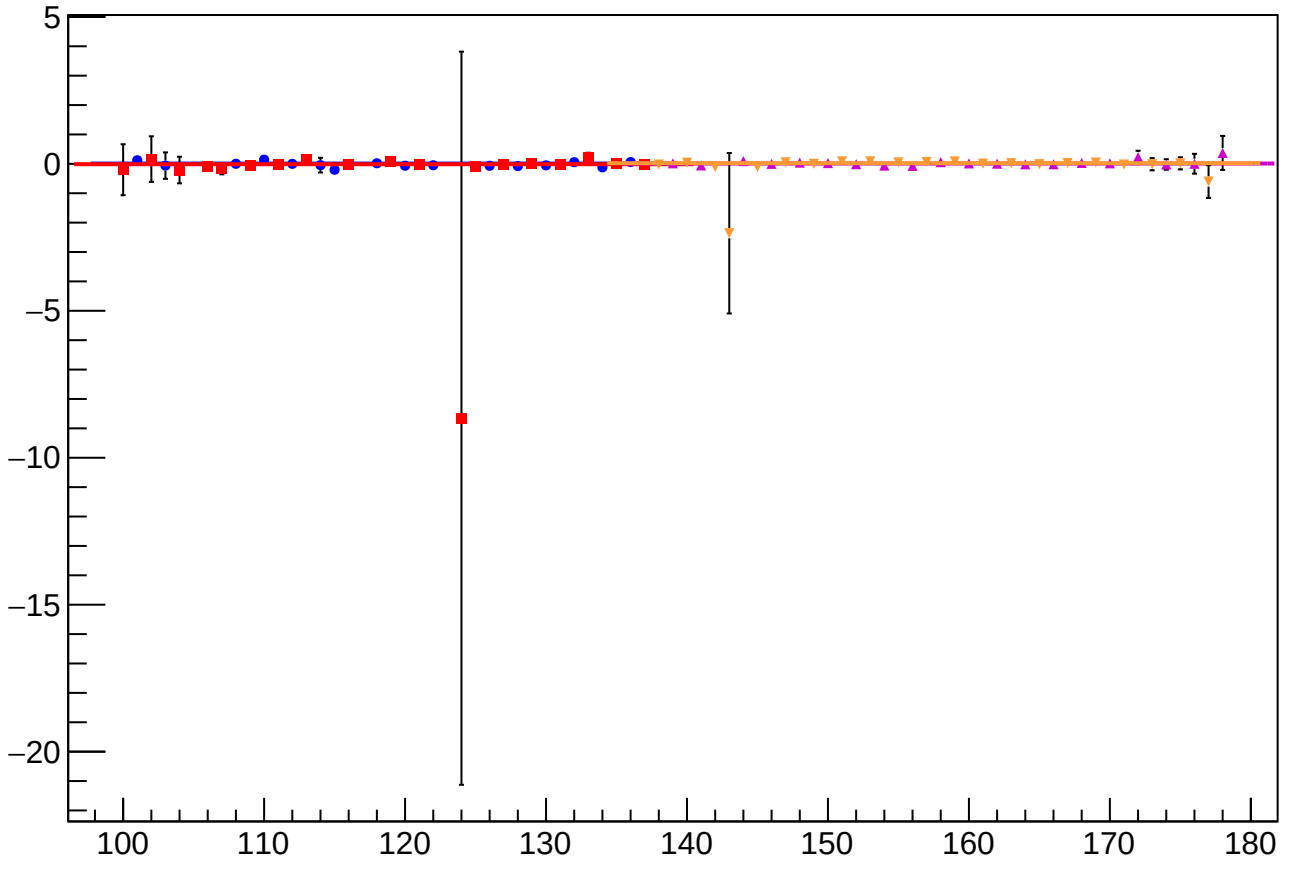
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.959+/-0.007 χ^2/NDF:7081789.7/19

\+ sign 34.879+/-0.006 χ^2/NDF: 9277964.0/36

All: 34.417+/-0.004 χ^2/NDF: 19639111.6/75

\- sign 33.964+/-0.006 χ^2/NDF: 10349794.6/38



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:19.4/20

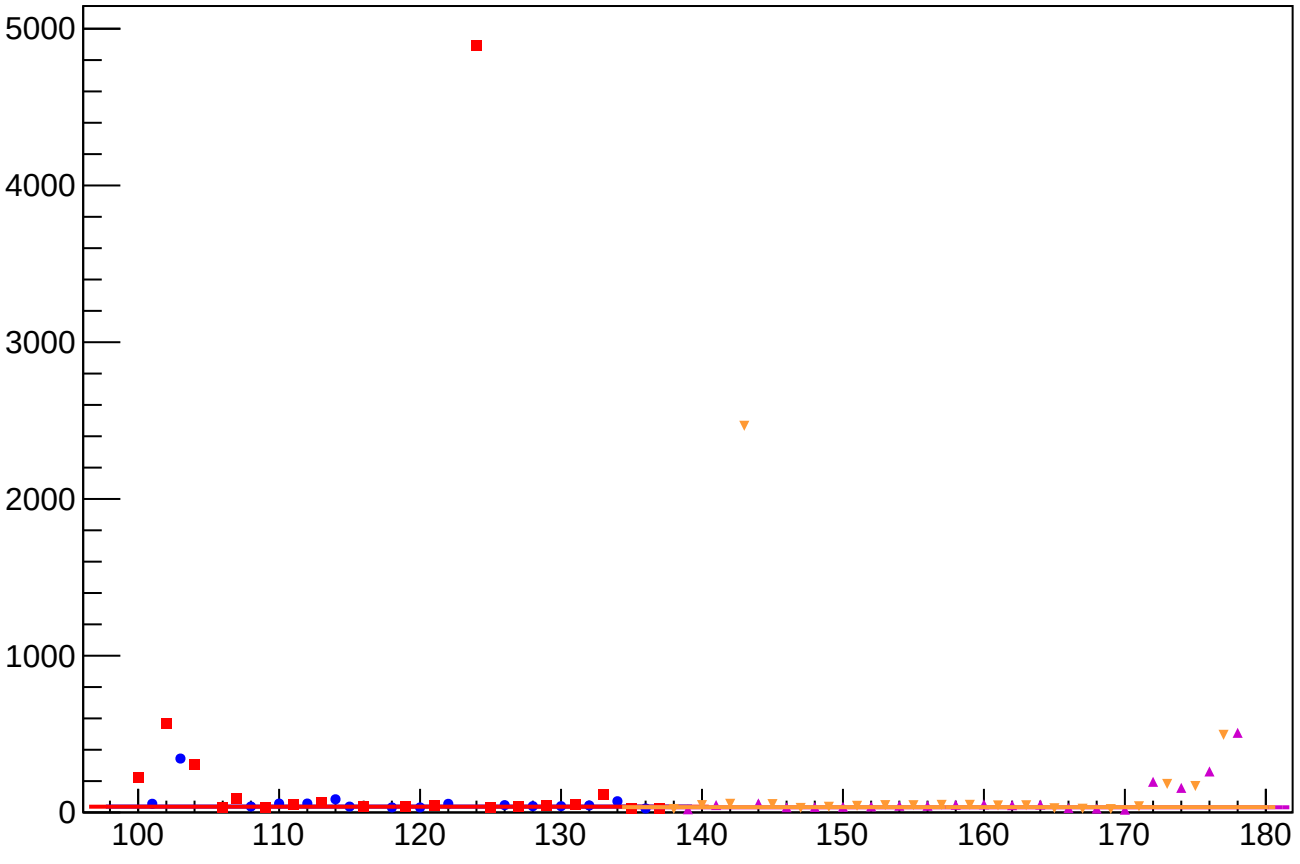
Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:12.3/19

+ sign 0.018+/-0.009 χ^2/NDF: 39.2/36

All: 0.011+/-0.006 χ^2/NDF: 66.8/75

- sign 0.004+/-0.009 χ^2/NDF: 26.3/38



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 33.822+/-0.007 χ^2/NDF:7220370.2/20

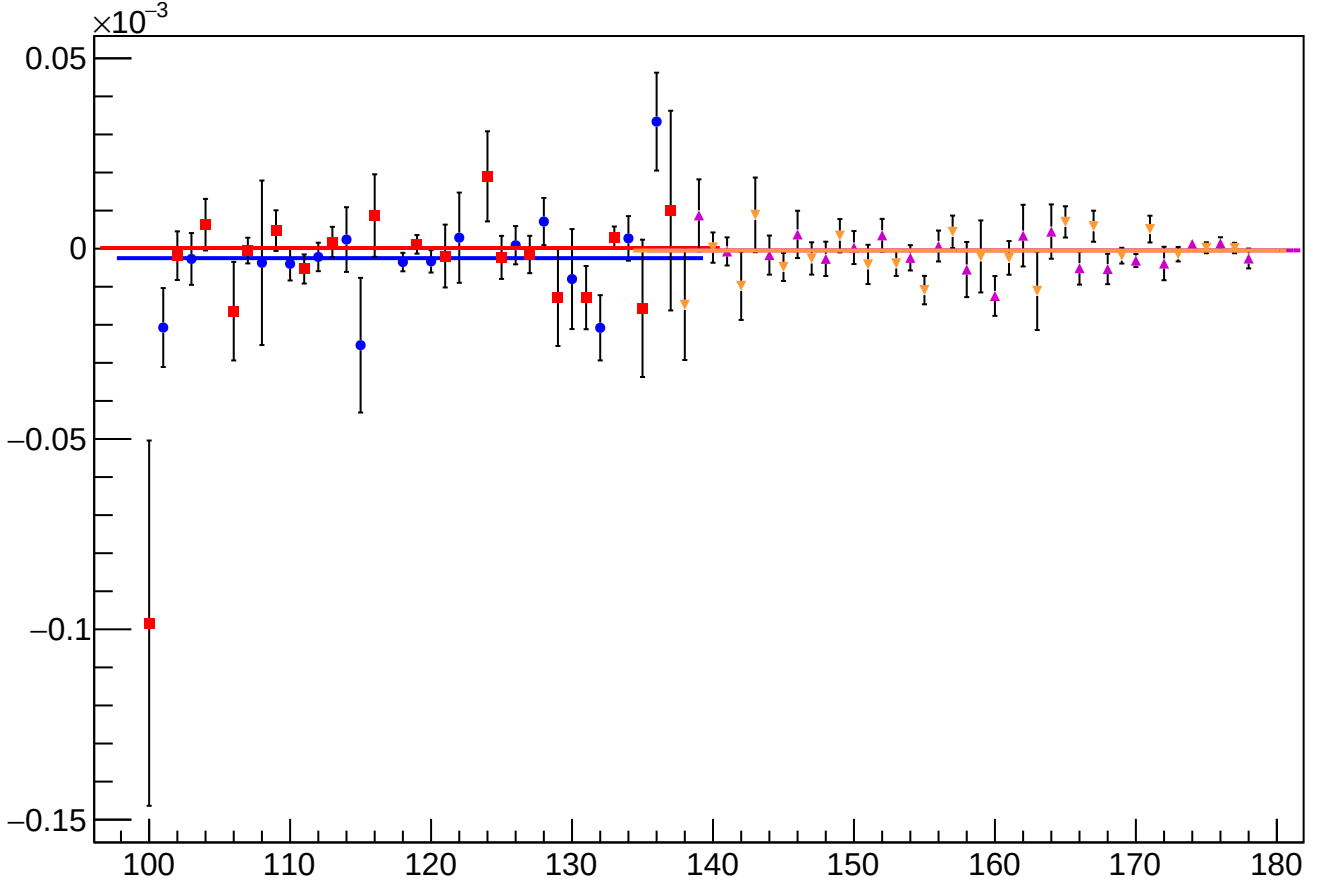
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.959+/-0.007 χ^2/NDF:7081789.7/19

\+ sign 34.879+/-0.006 χ^2/NDF: 9277964.0/36

All: 34.417+/-0.004 χ^2/NDF: 19639111.6/75

\- sign 33.964+/-0.006 χ^2/NDF: 10349794.6/38



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.8/20

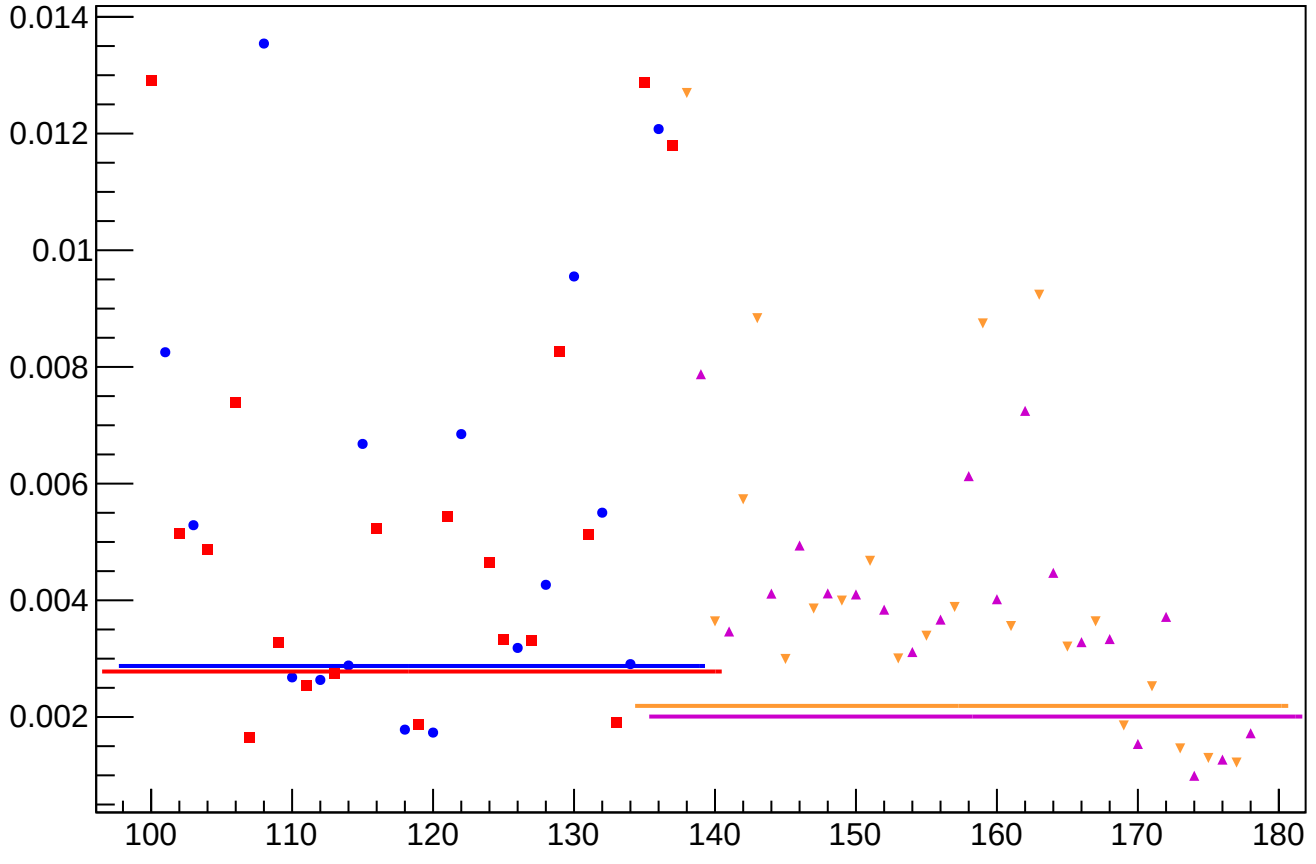
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:19.6/19

+ sign -0.000+/-0.000 χ^2/NDF: 50.6/36

All: -0.000+/-0.000 χ^2/NDF: 89.7/75

- sign -0.000+/-0.000 χ^2/NDF: 38.7/38



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:9009808.0/20

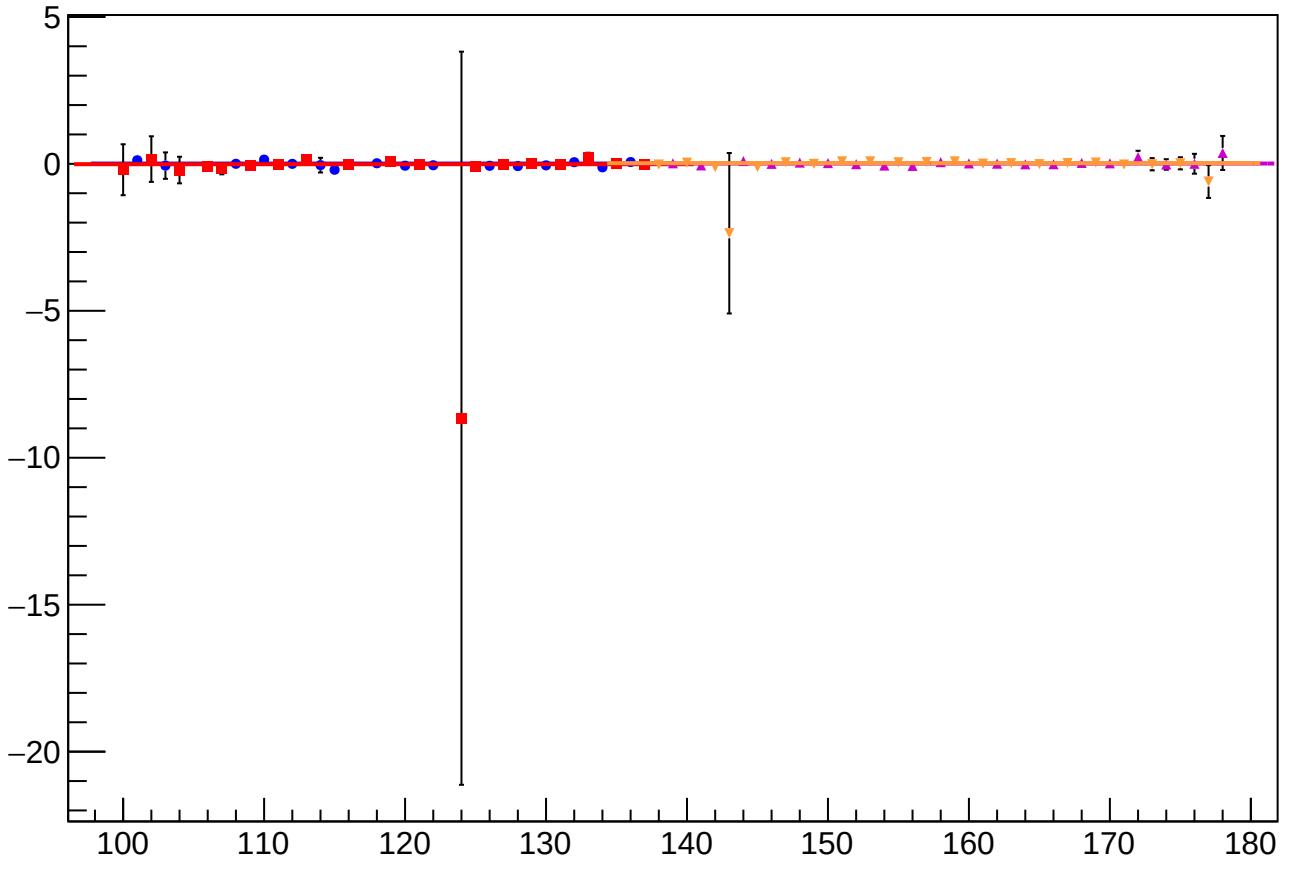
Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.002+/-0.000 χ^2/NDF:8778357.6/19

+ sign 0.002+/-0.000 χ^2/NDF: 13601042.2/36

All: 0.002+/-0.000 χ^2/NDF: 26422166.7/75

- sign 0.002+/-0.000 χ^2/NDF: 12757719.0/38



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:19.4/20

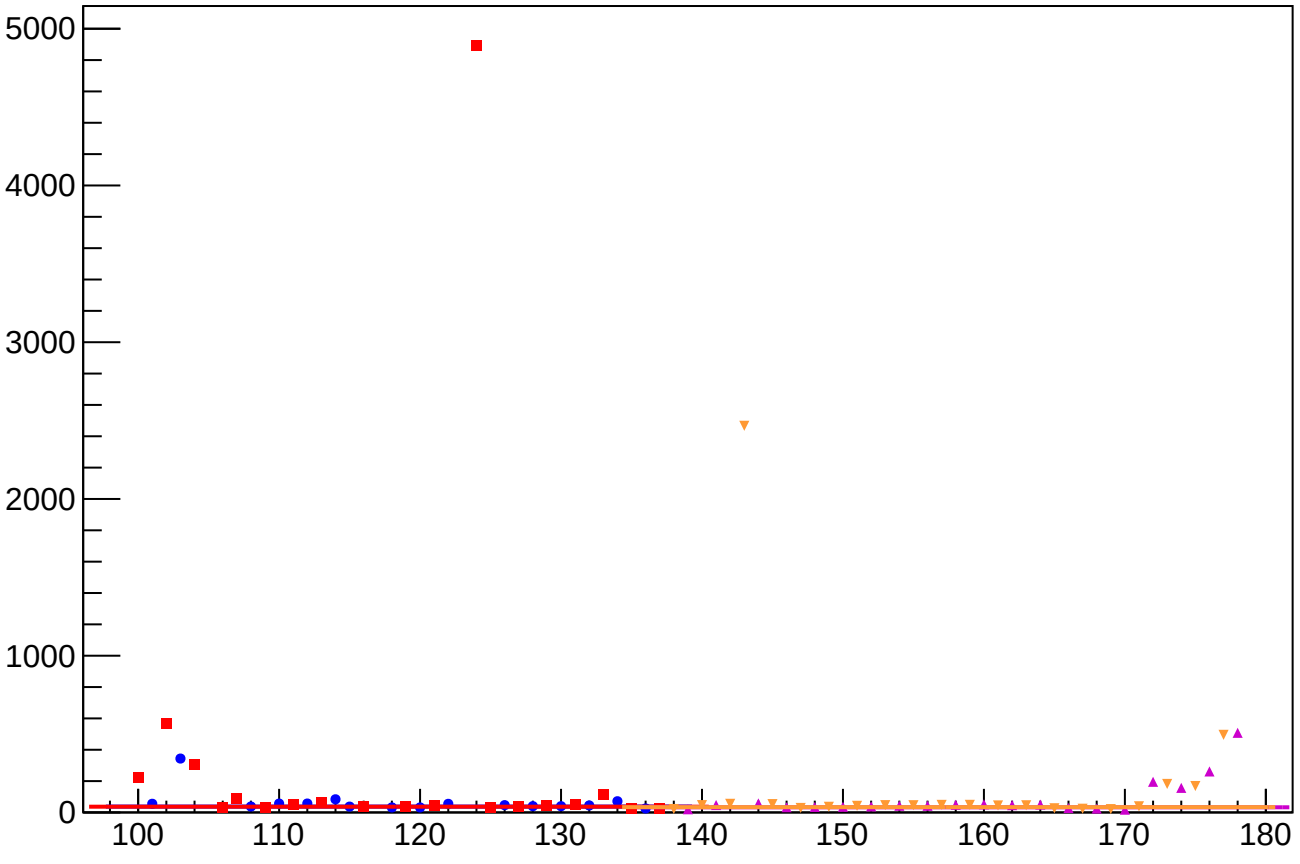
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:12.3/19

+ sign 0.018+/-0.009 χ^2/NDF: 39.2/36

All: 0.011+/-0.006 χ^2/NDF: 66.8/75

- sign 0.004+/-0.009 χ^2/NDF: 26.3/38



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.821+/-0.007 χ^2/NDF:7220458.7/20

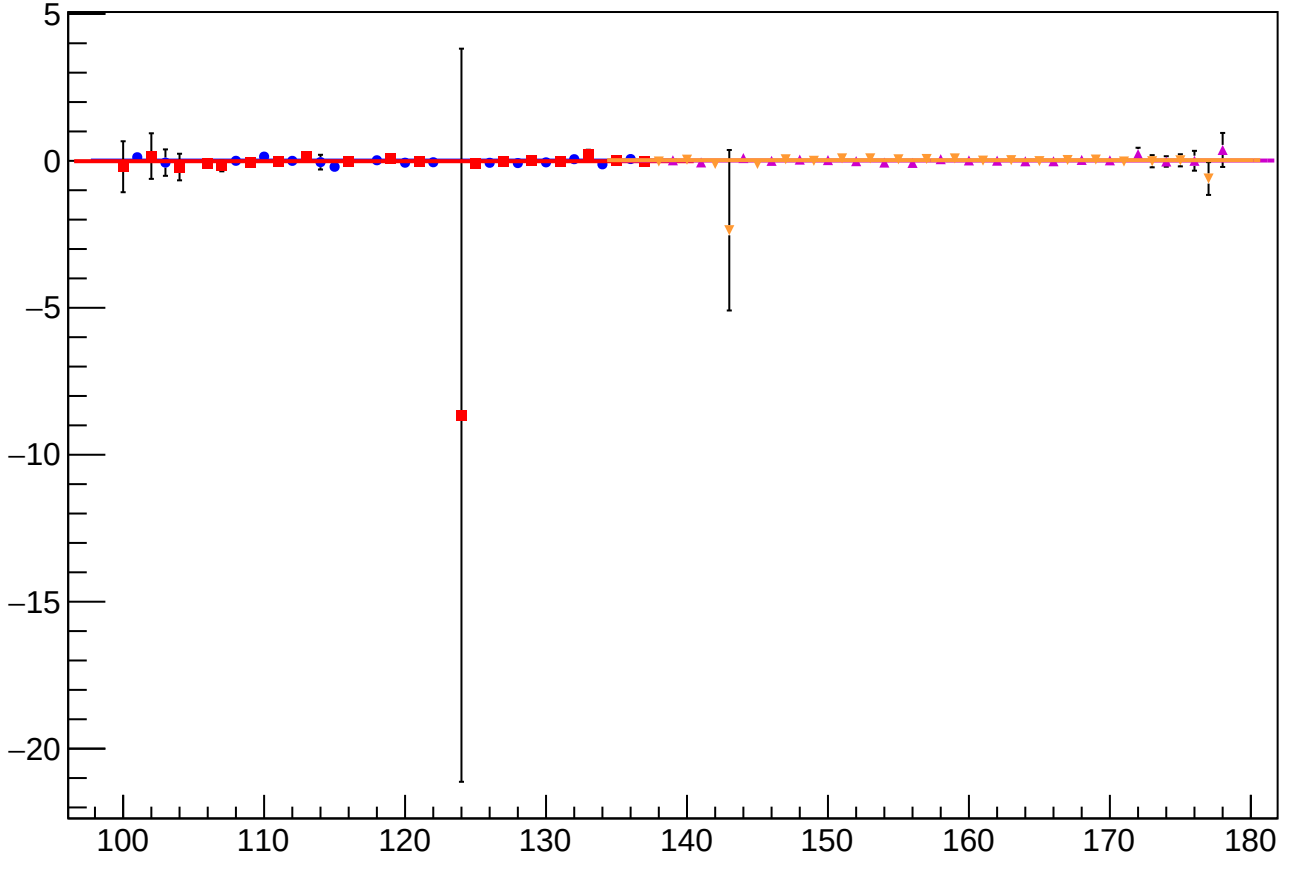
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.961+/-0.007 χ^2/NDF:7080579.3/19

\+ sign 34.878+/-0.006 χ^2/NDF: 9278043.3/36

All: 34.418+/-0.004 χ^2/NDF: 19637587.4/75

\- sign 33.966+/-0.006 χ^2/NDF: 10348257.5/38



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:19.4/20

Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

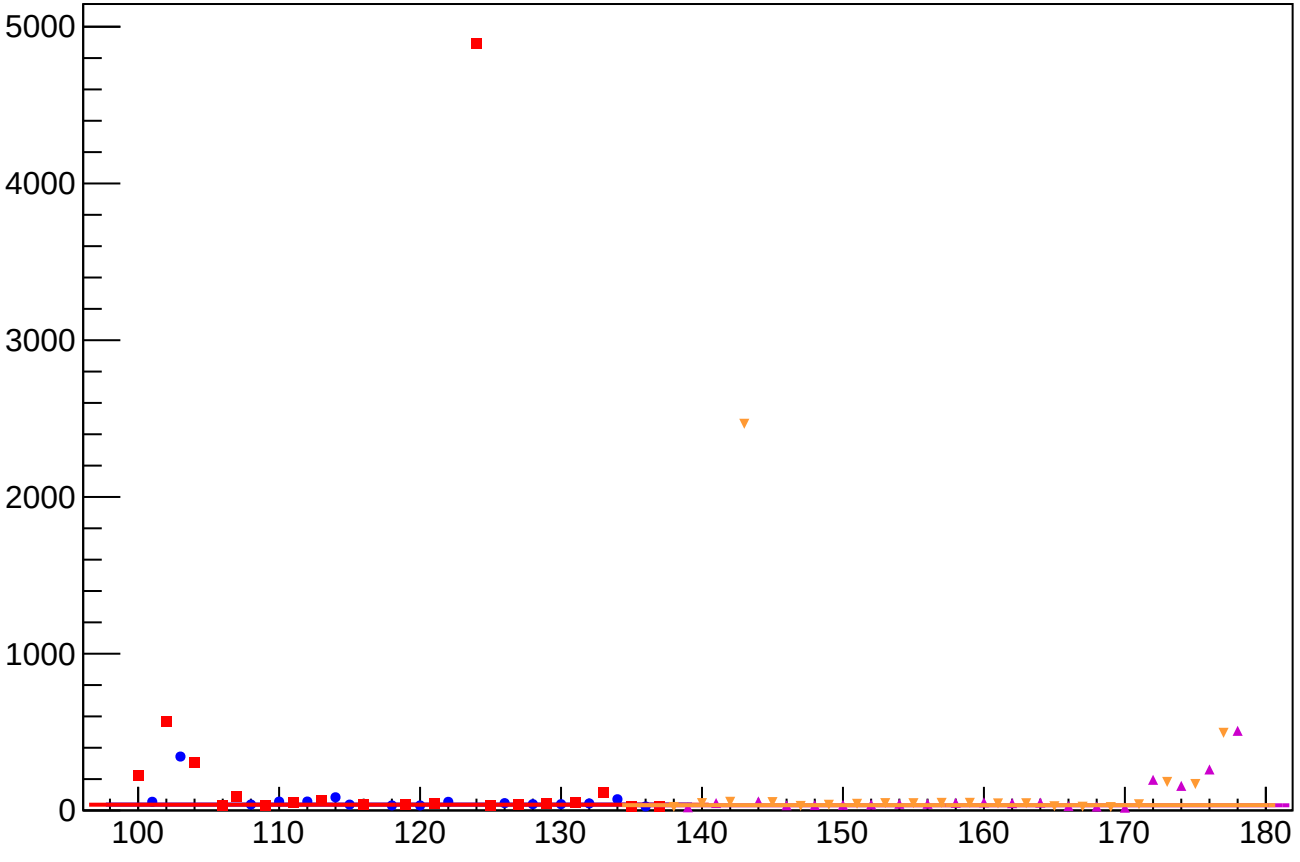
Left In: 0.010+/-0.010 χ^2/NDF:12.3/19

+ sign 0.018+/-0.009 χ^2/NDF: 39.2/36

All: 0.011+/-0.006 χ^2/NDF: 66.8/75

- sign 0.004+/-0.009 χ^2/NDF: 26.3/38

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.821+/-0.007 χ^2/NDF:7220458.7/20

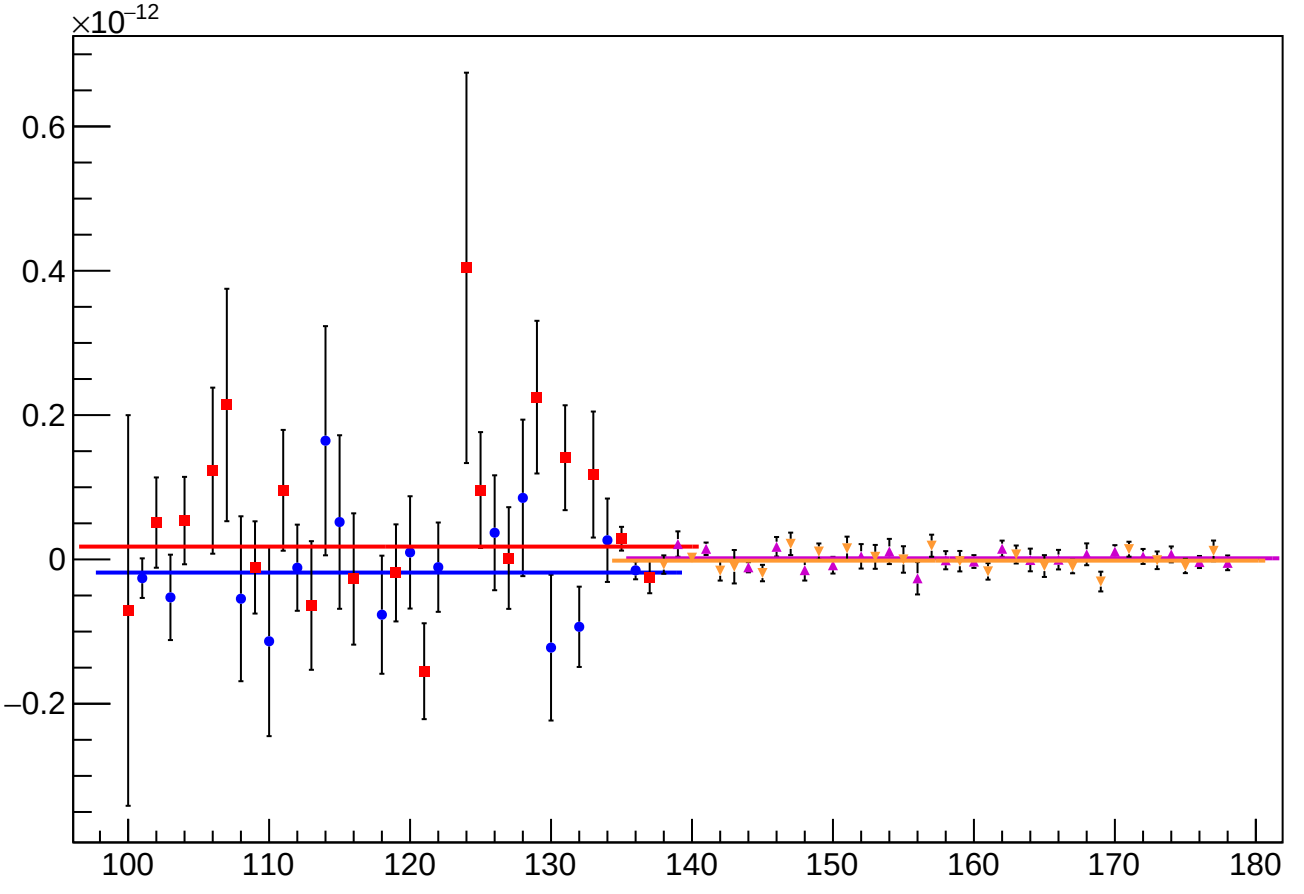
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.961+/-0.007 χ^2/NDF:7080579.3/19

+ sign 34.878+/-0.006 χ^2/NDF: 9278043.3/36

All: 34.418+/-0.004 χ^2/NDF: 19637587.4/75

- sign 33.966+/-0.006 χ^2/NDF: 10348257.5/38



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/20

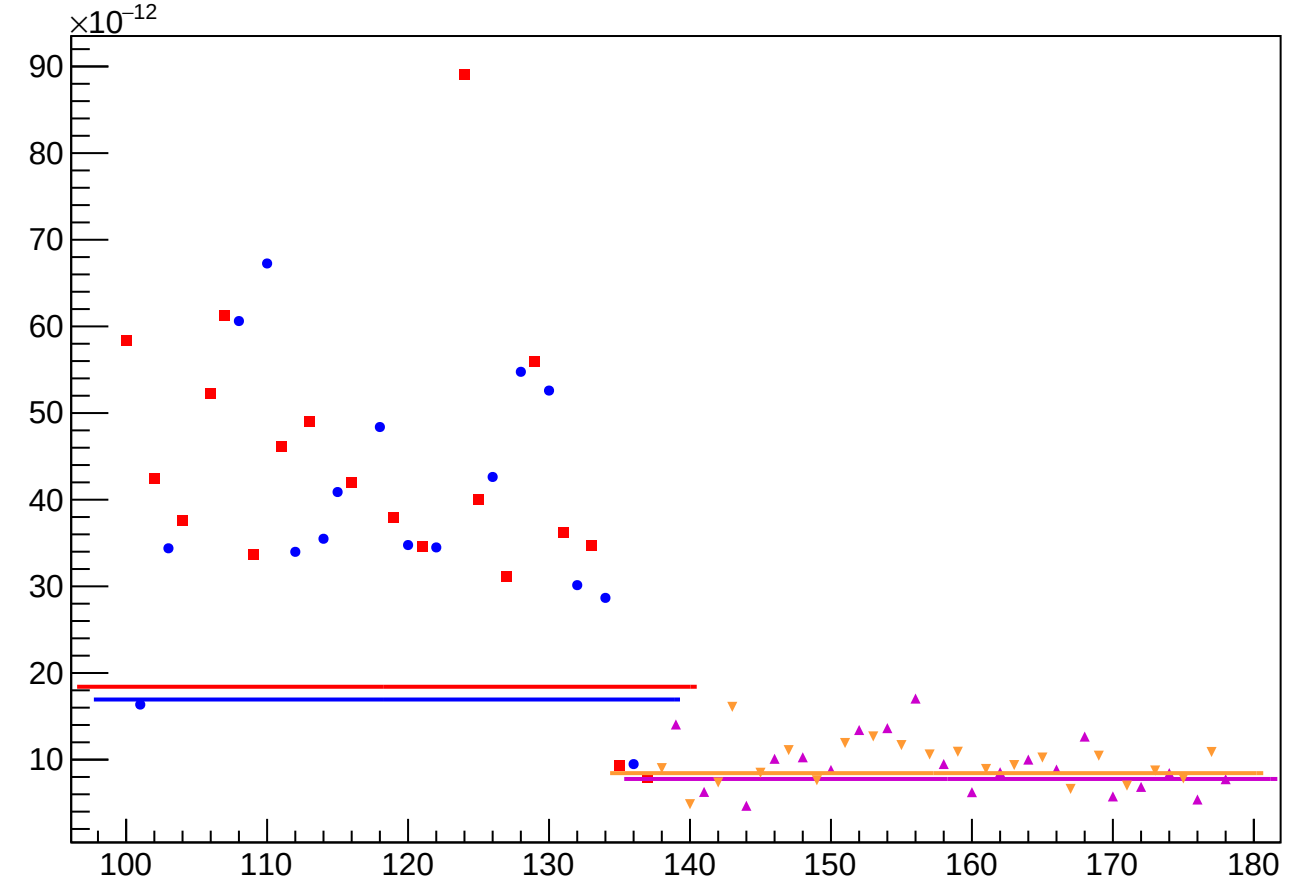
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:15.9/19

+ sign -0.000+/-0.000 χ^2/NDF: 32.8/36

All: -0.000+/-0.000 χ^2/NDF: 80.1/75

- sign 0.000+/-0.000 χ^2/NDF: 45.2/38



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1519115.7/20

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

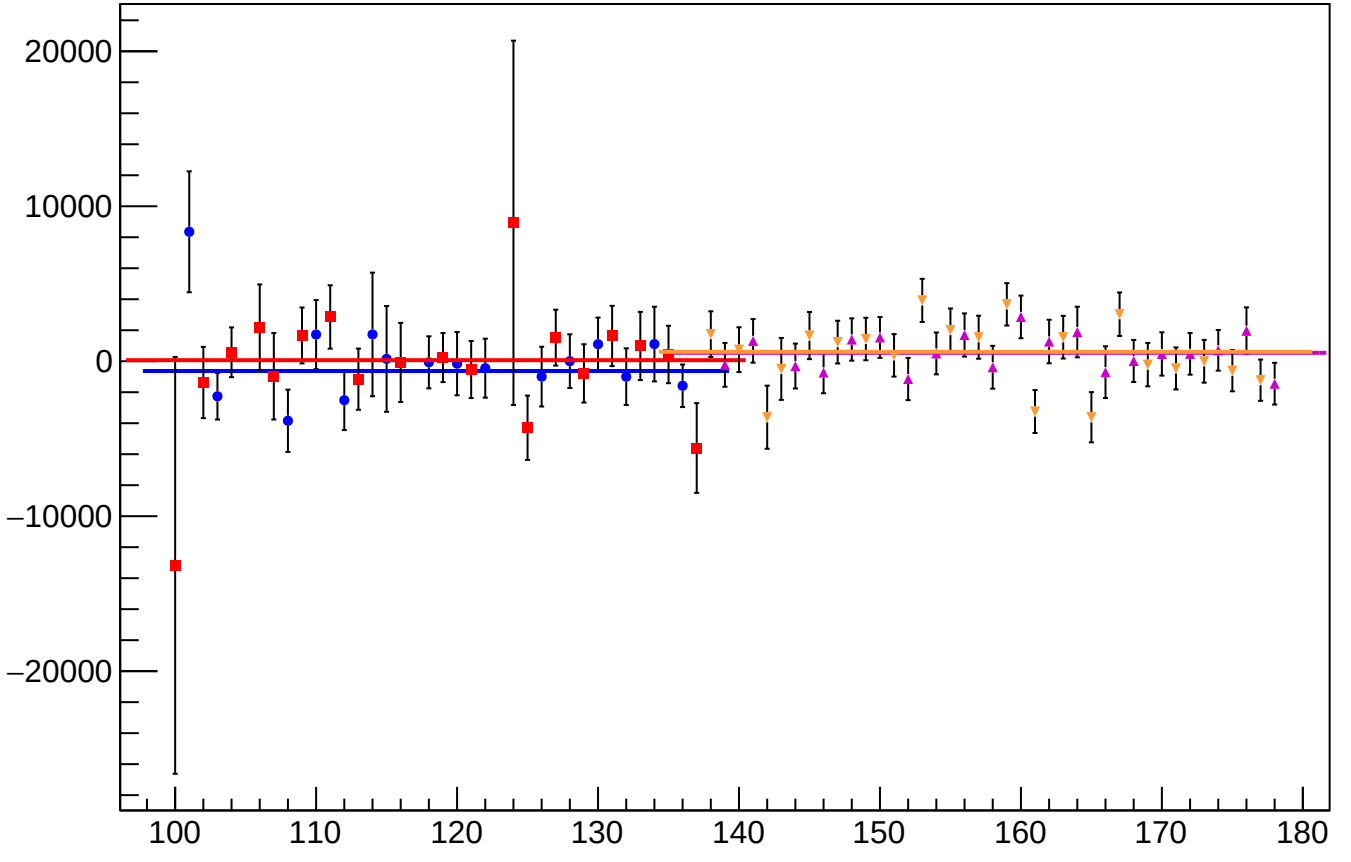
Left In: 0.000+/-0.000 χ^2/NDF:2280617.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 6097013.6/36

All: 0.000+/-0.000 χ^2/NDF: 13896371.9/75

- sign 0.000+/-0.000 χ^2/NDF: 7717658.1/38

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 610.349+/-313.353 χ^2/NDF:40.3/20

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

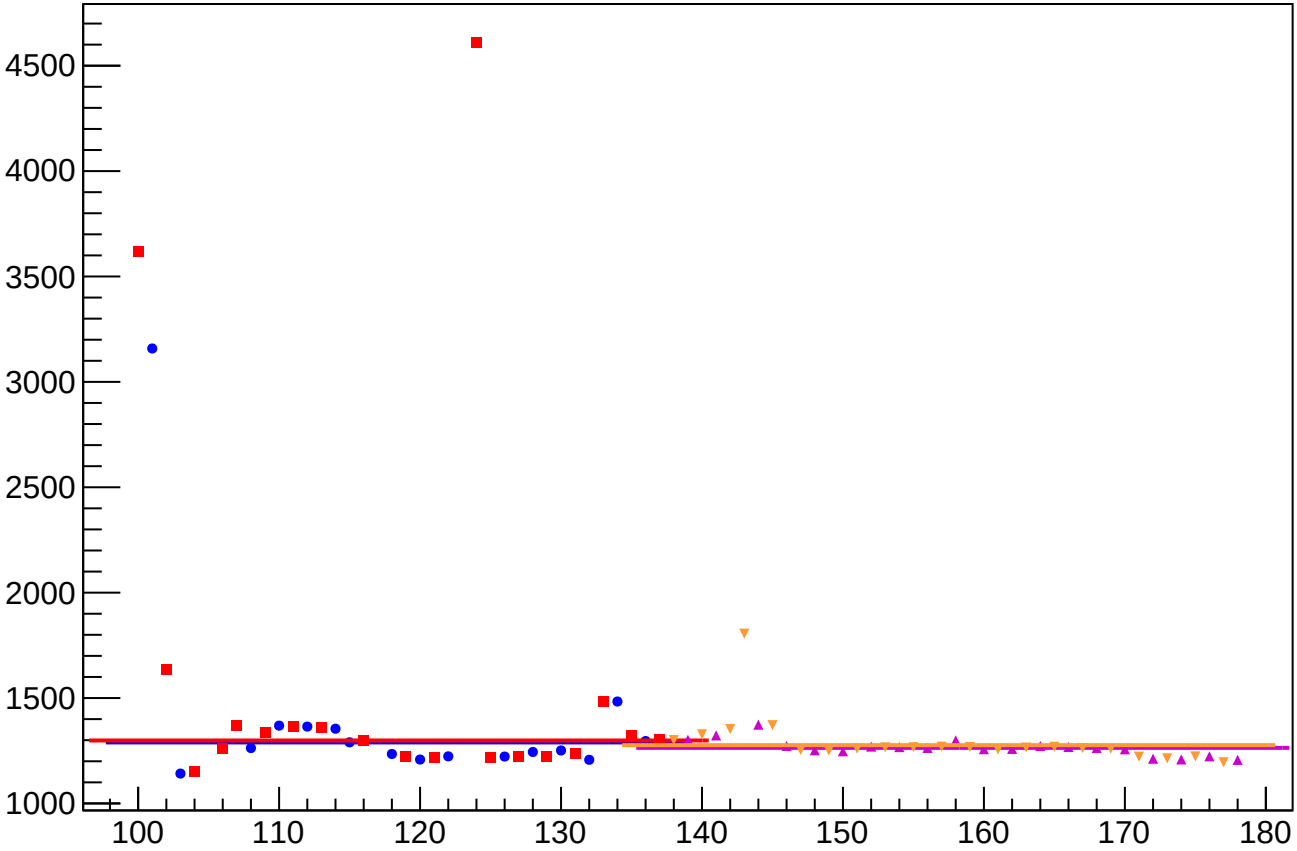
Left In: 543.002+/-312.722 χ^2/NDF:13.1/19

+ sign 248.630+/-263.779 χ^2/NDF: 58.8/36

All: 326.731+/-186.336 χ^2/NDF: 88.6/75

- sign 404.524+/-263.260 χ^2/NDF: 29.6/38

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1276.484+/-0.222 χ^2/NDF:174631.6/20

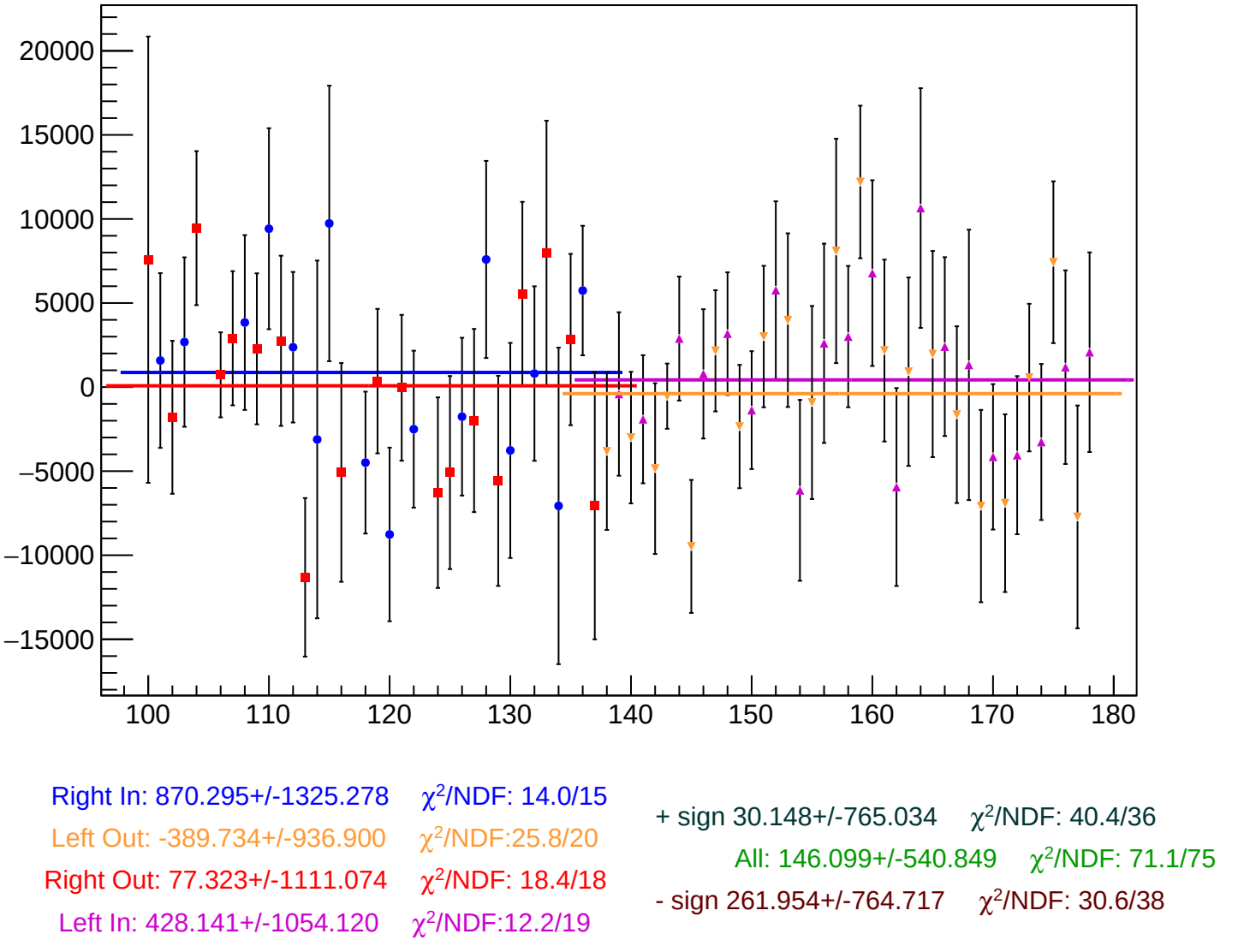
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

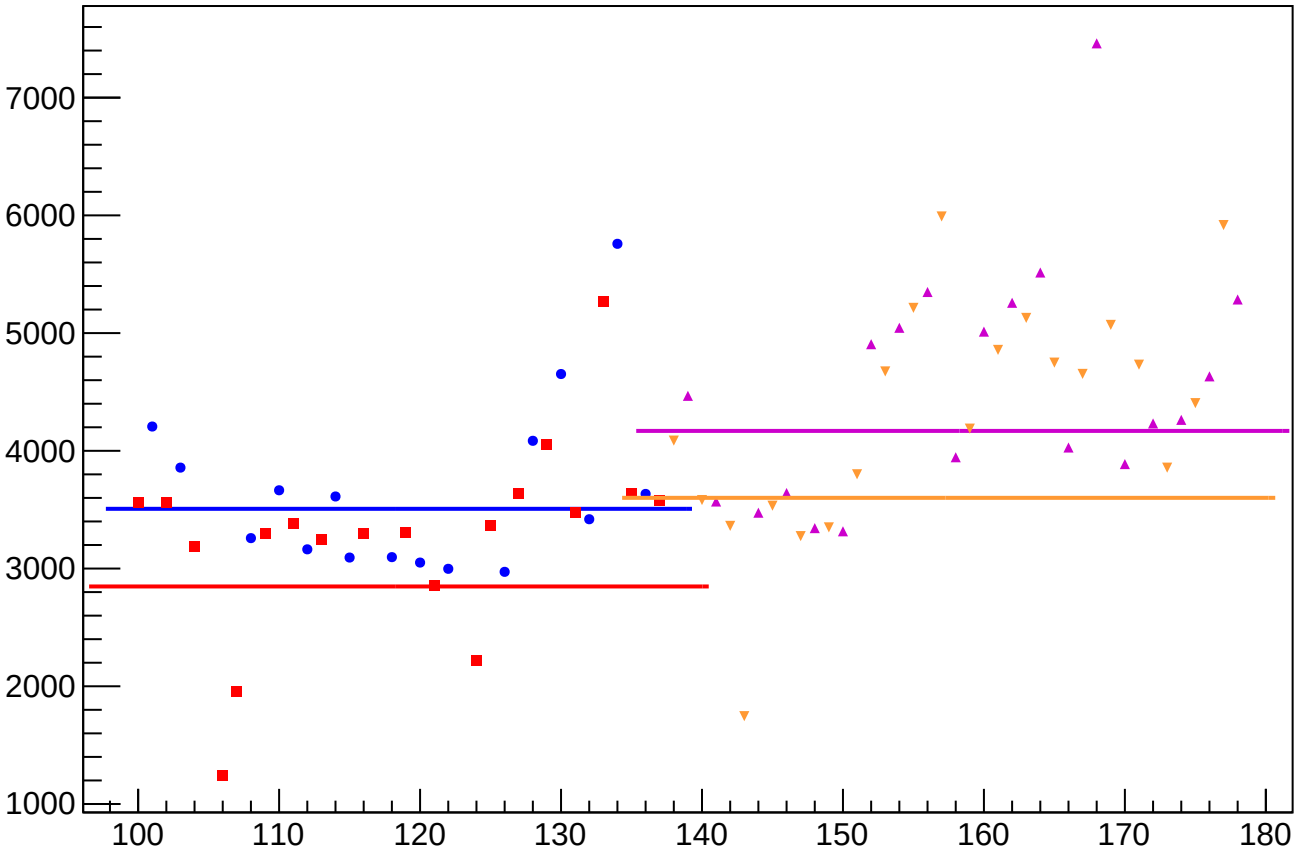
Left In: 1263.728+/-0.221 χ^2/NDF:30050.0/19

+ sign 1280.267+/-0.187 χ^2/NDF: 690306.9/36

All: 1277.095+/-0.132 χ^2/NDF: 1047603.4/75

- sign 1273.941+/-0.186 χ^2/NDF: 356719.8/38


asym_at1_avg_at2_avg_dd_reg_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -389.734+/-936.900 χ²/NDF:25.8/20
Right Out: 77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: 428.141+/-1054.120 χ²/NDF:12.2/19
+ sign 30.148+/-765.034 χ²/NDF: 40.4/36
All: 146.099+/-540.849 χ²/NDF: 71.1/75
- sign 261.954+/-764.717 χ²/NDF: 30.6/38



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3600.663+/-0.662 χ^2/NDF:3357722.6/20

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

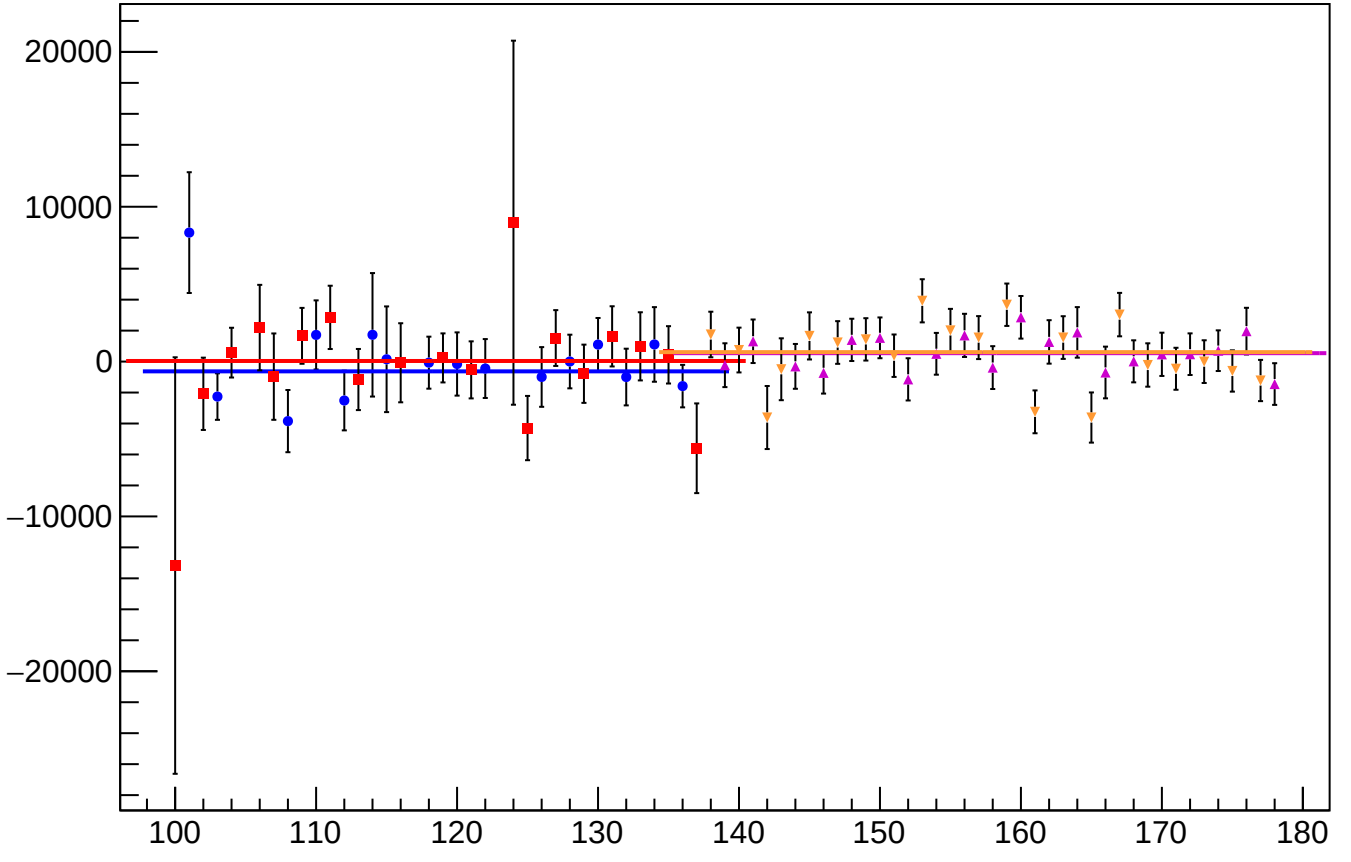
Left In: 4169.150+/-0.745 χ^2/NDF:1179312.4/19

+ sign 3569.584+/-0.541 χ^2/NDF: 3718306.2/36

All: 3556.398+/-0.382 χ^2/NDF: 7886787.1/75

- sign 3543.224+/-0.541 χ^2/NDF: 4167293.2/38

cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 610.374+/-313.353 χ^2/NDF:40.3/20

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

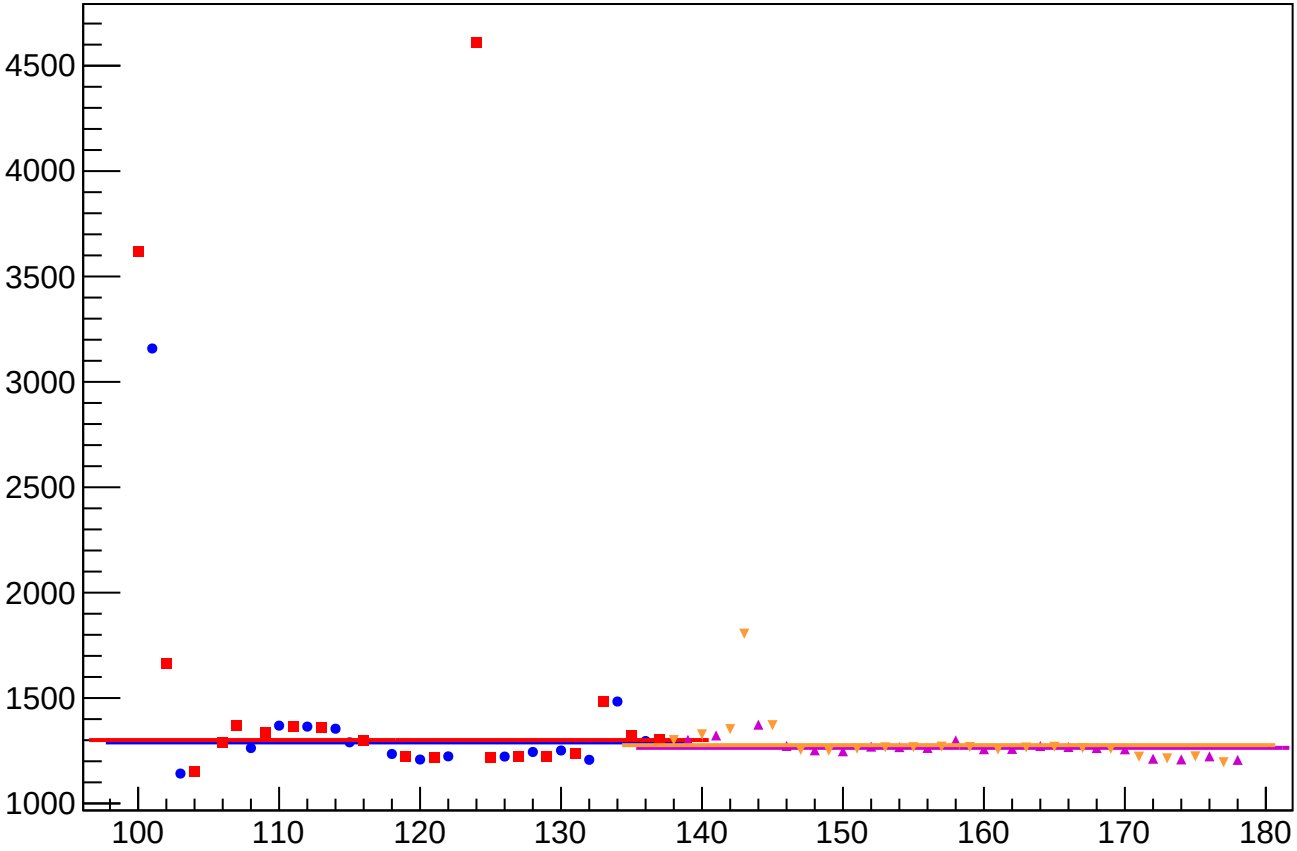
Left In: 542.923+/-312.722 χ^2/NDF:13.1/19

+ sign 248.536+/-263.779 χ^2/NDF: 58.8/36

All: 322.475+/-186.354 χ^2/NDF: 89.1/75

- sign 396.153+/-263.311 χ^2/NDF: 30.1/38

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1276.484+/-0.222 χ^2/NDF:174631.6/20

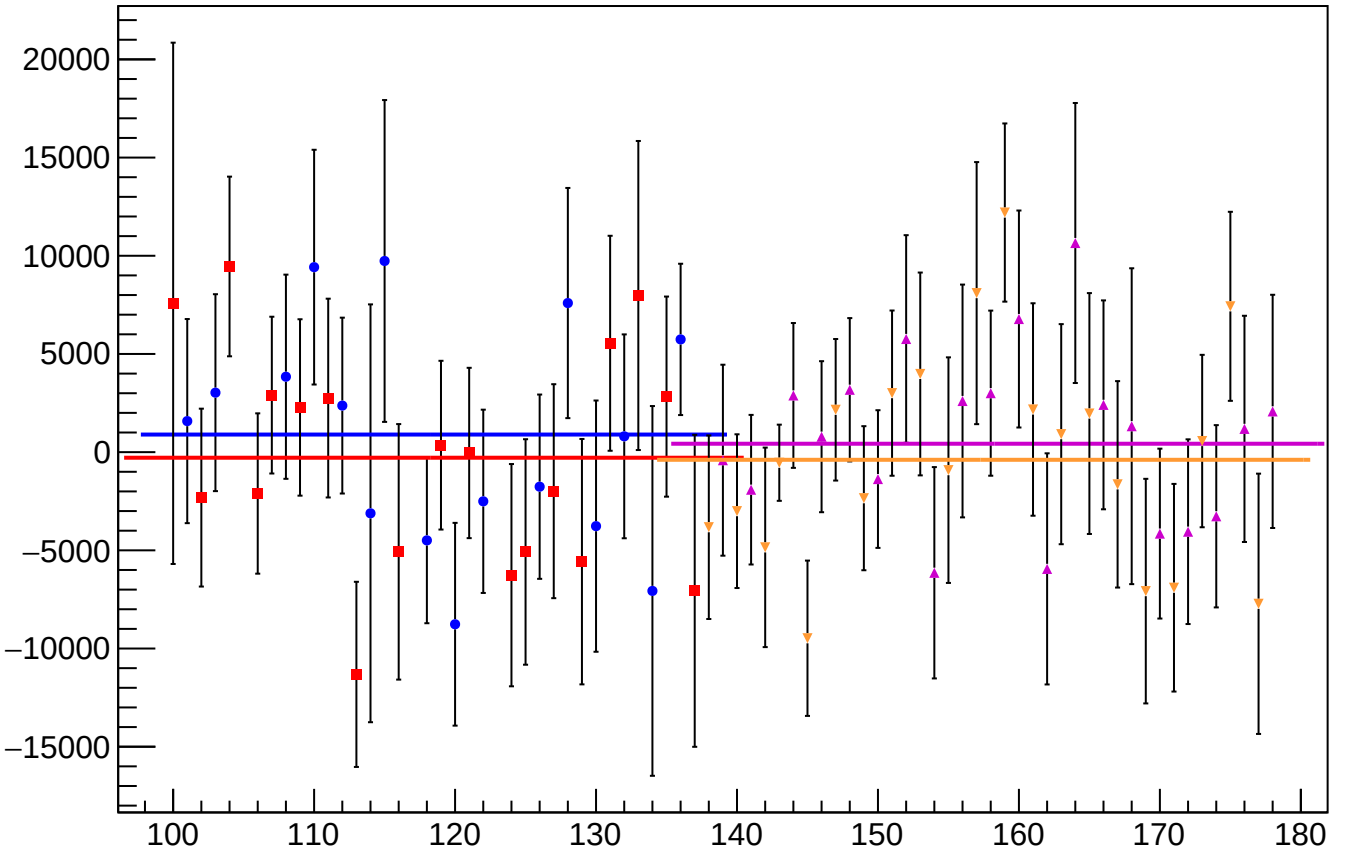
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1263.728+/-0.221 χ^2/NDF:30050.0/19

+ sign 1280.267+/-0.187 χ^2/NDF: 690308.3/36

All: 1277.383+/-0.132 χ^2/NDF: 1054893.4/75

- sign 1274.512+/-0.186 χ^2/NDF: 364107.9/38



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -389.670+/-936.899 χ^2/NDF:25.8/20

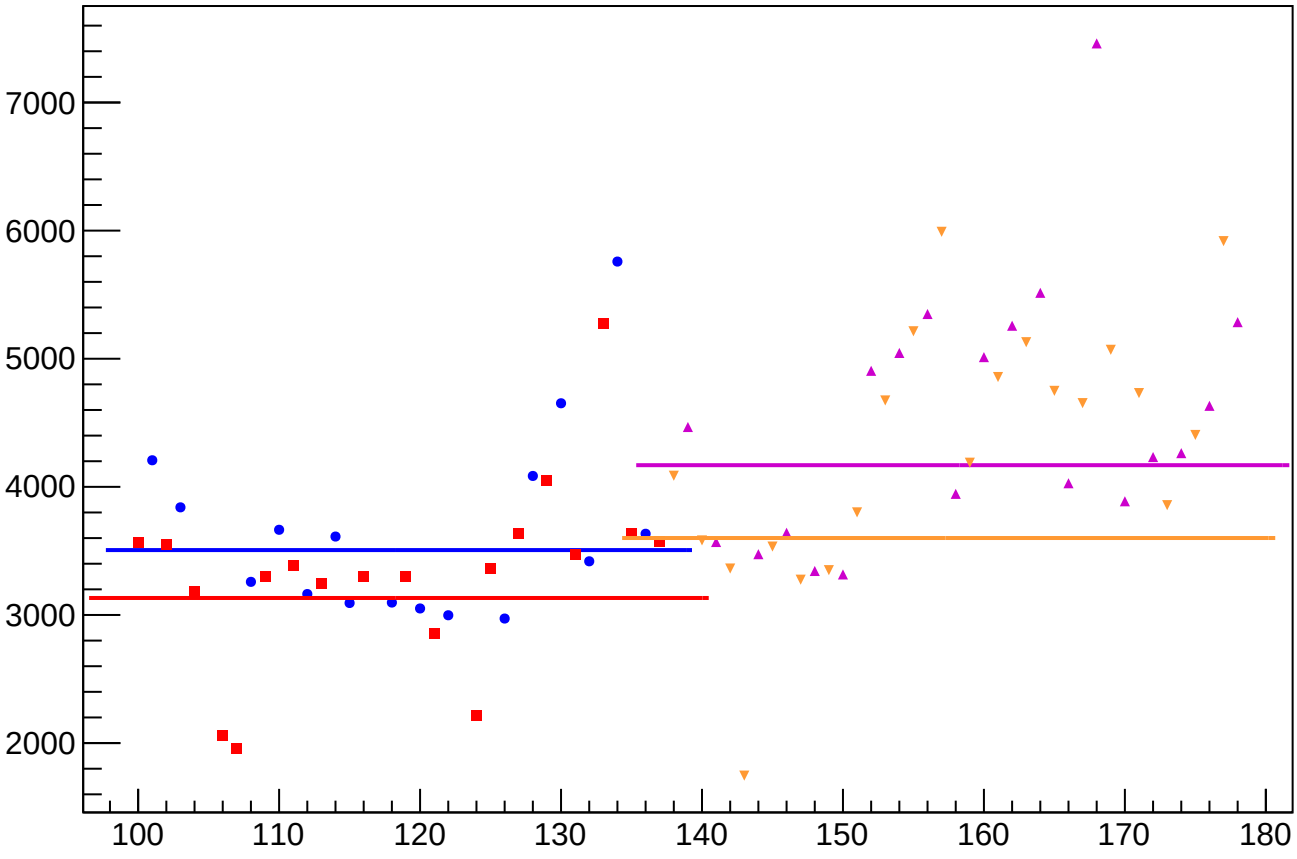
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 428.148+/-1054.118 χ^2/NDF:12.2/19

+ sign 38.958+/-764.945 χ^2/NDF: 40.5/36

All: 74.940+/-548.550 χ^2/NDF: 71.5/75

- sign 113.033+/-787.061 χ^2/NDF: 31.0/38



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3600.654+/-0.662 χ^2/NDF:3357758.5/20

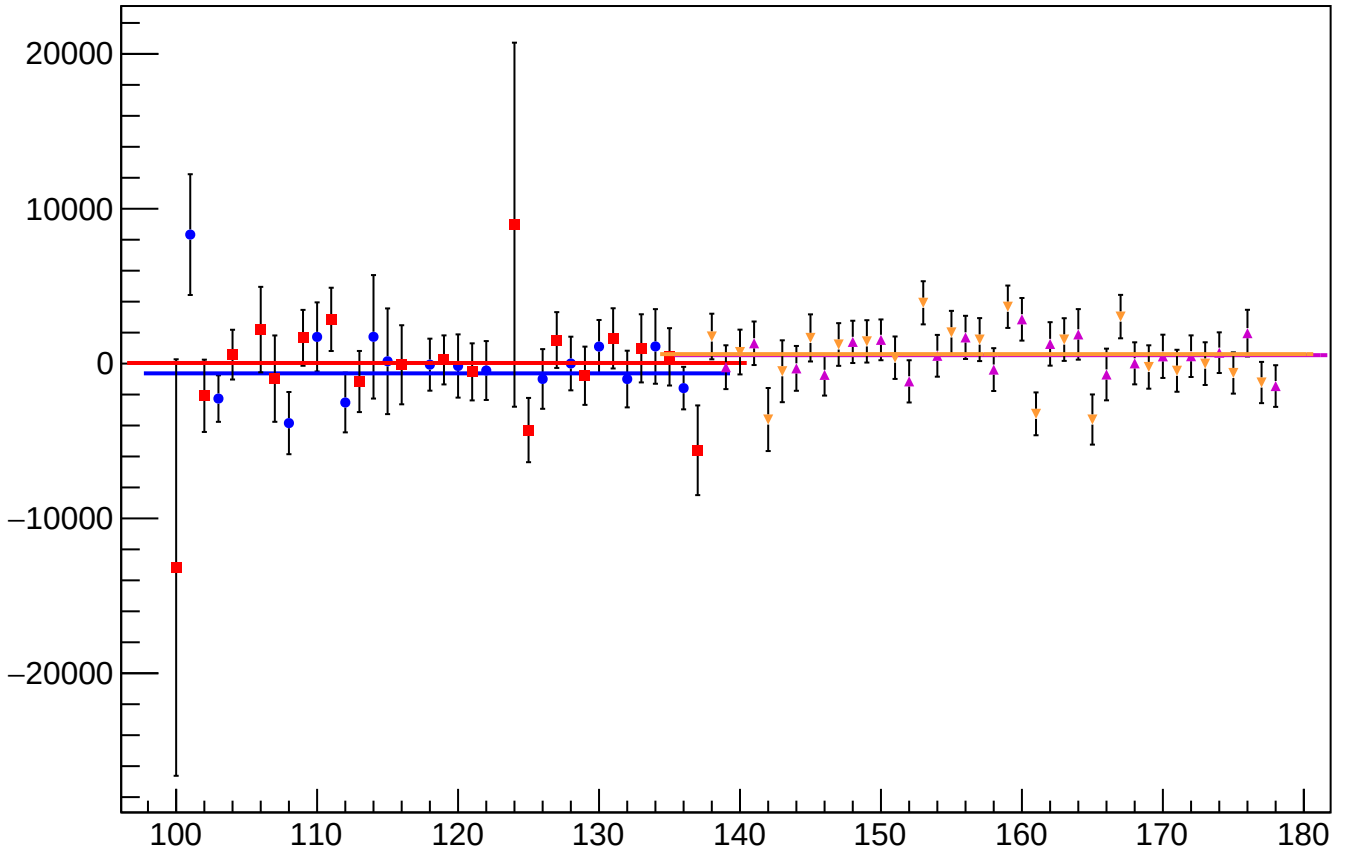
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4169.144+/-0.745 χ^2/NDF:1179312.1/19

+ sign 3569.259+/-0.541 χ^2/NDF: 3717732.5/36

All: 3637.847+/-0.388 χ^2/NDF: 6435533.0/75

- sign 3710.459+/-0.557 χ^2/NDF: 2684698.9/38



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 610.374+/-313.353 χ^2/NDF:40.3/20

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

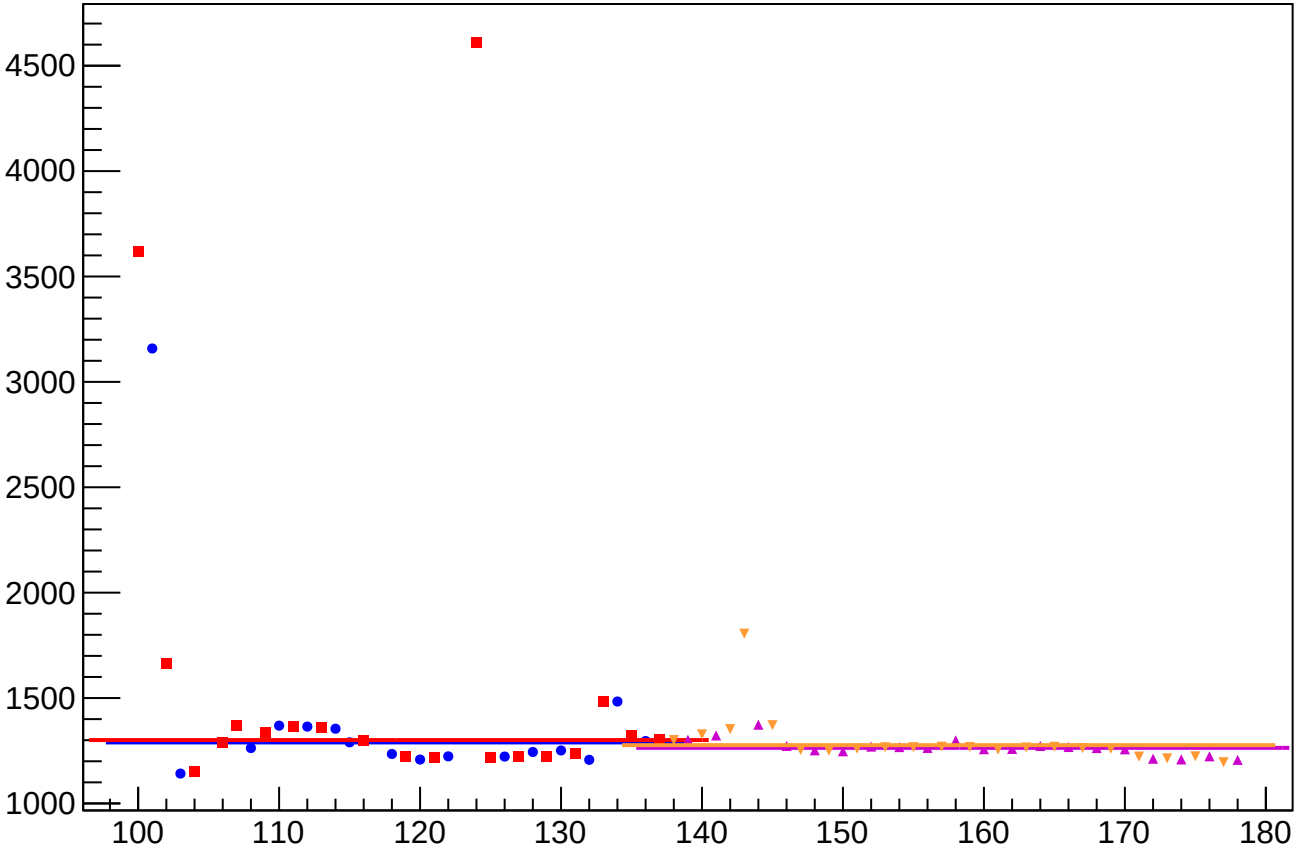
Left In: 542.923+/-312.722 χ^2/NDF:13.1/19

+ sign 248.536+/-263.779 χ^2/NDF: 58.8/36

All: 322.475+/-186.354 χ^2/NDF: 89.1/75

- sign 396.153+/-263.311 χ^2/NDF: 30.1/38

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: 1276.484+/-0.222 χ^2/NDF:174631.6/20

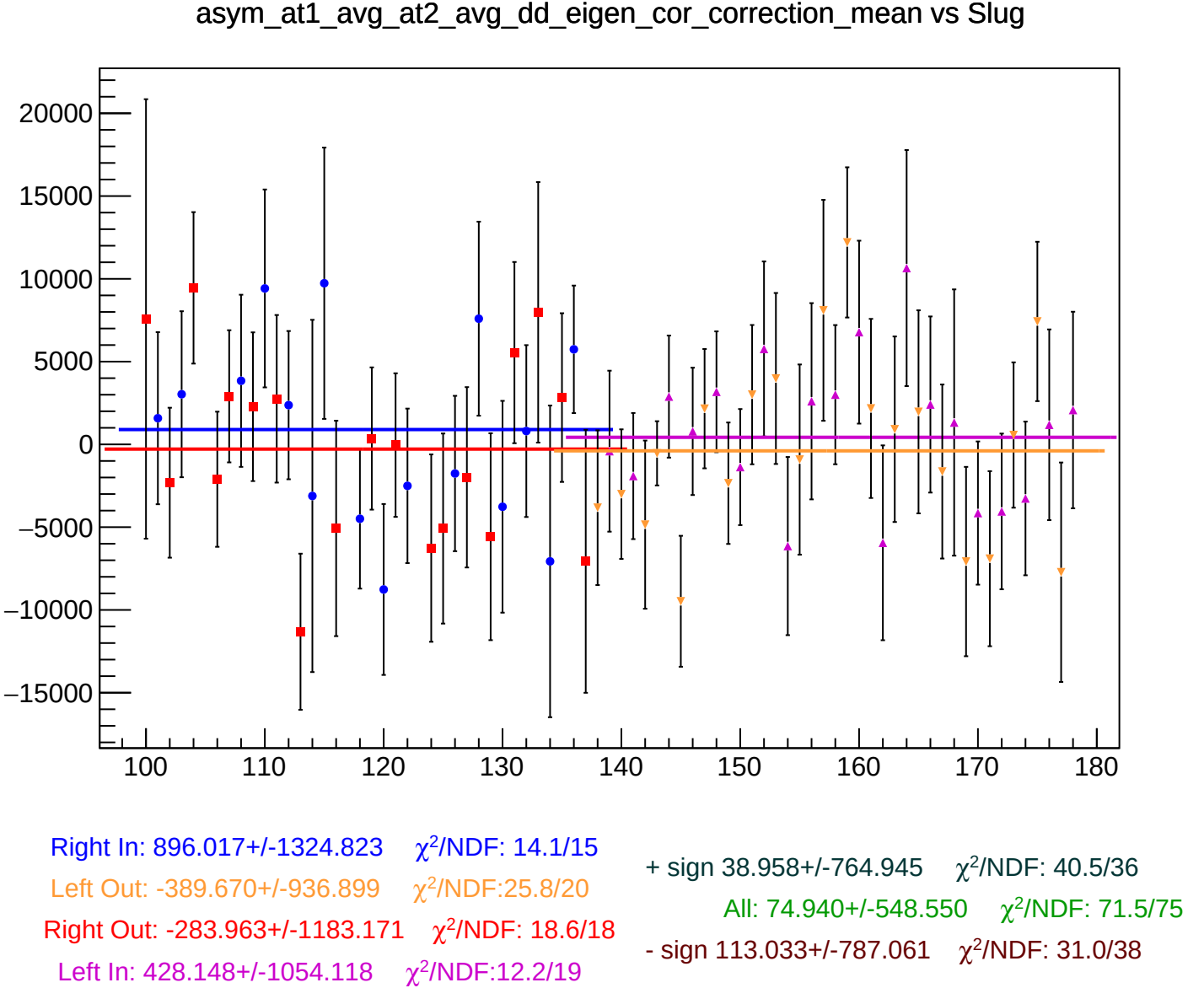
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

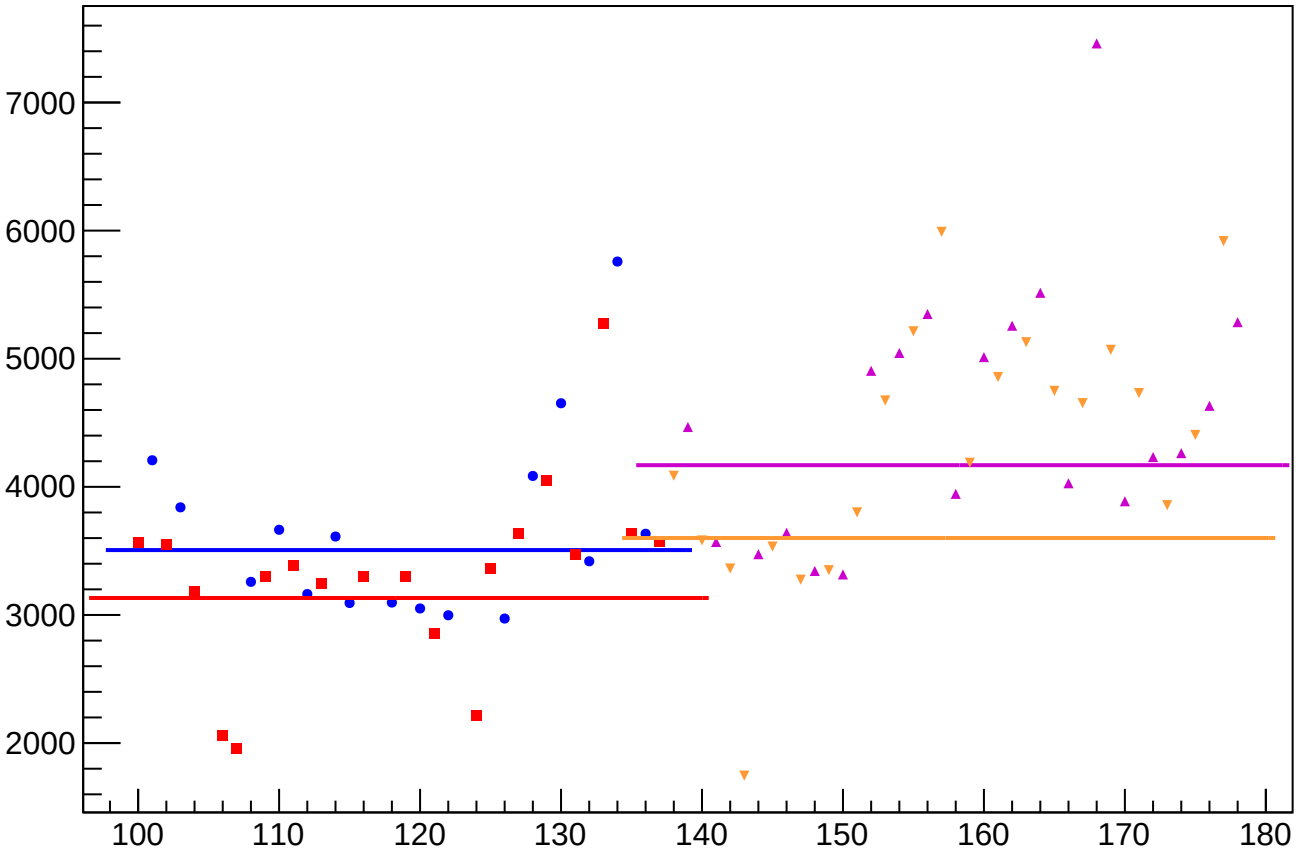
Left In: 1263.728+/-0.221 χ^2/NDF:30050.0/19

+ sign 1280.267+/-0.187 χ^2/NDF: 690308.3/36

All: 1277.383+/-0.132 χ^2/NDF: 1054893.4/75

- sign 1274.512+/-0.186 χ^2/NDF: 364107.9/38


asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -389.670+/-936.899 χ²/NDF:25.8/20
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 428.148+/-1054.118 χ²/NDF:12.2/19
+ sign 38.958+/-764.945 χ²/NDF: 40.5/36
All: 74.940+/-548.550 χ²/NDF: 71.5/75
- sign 113.033+/-787.061 χ²/NDF: 31.0/38



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3600.654+/-0.662 χ^2/NDF:3357758.5/20

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

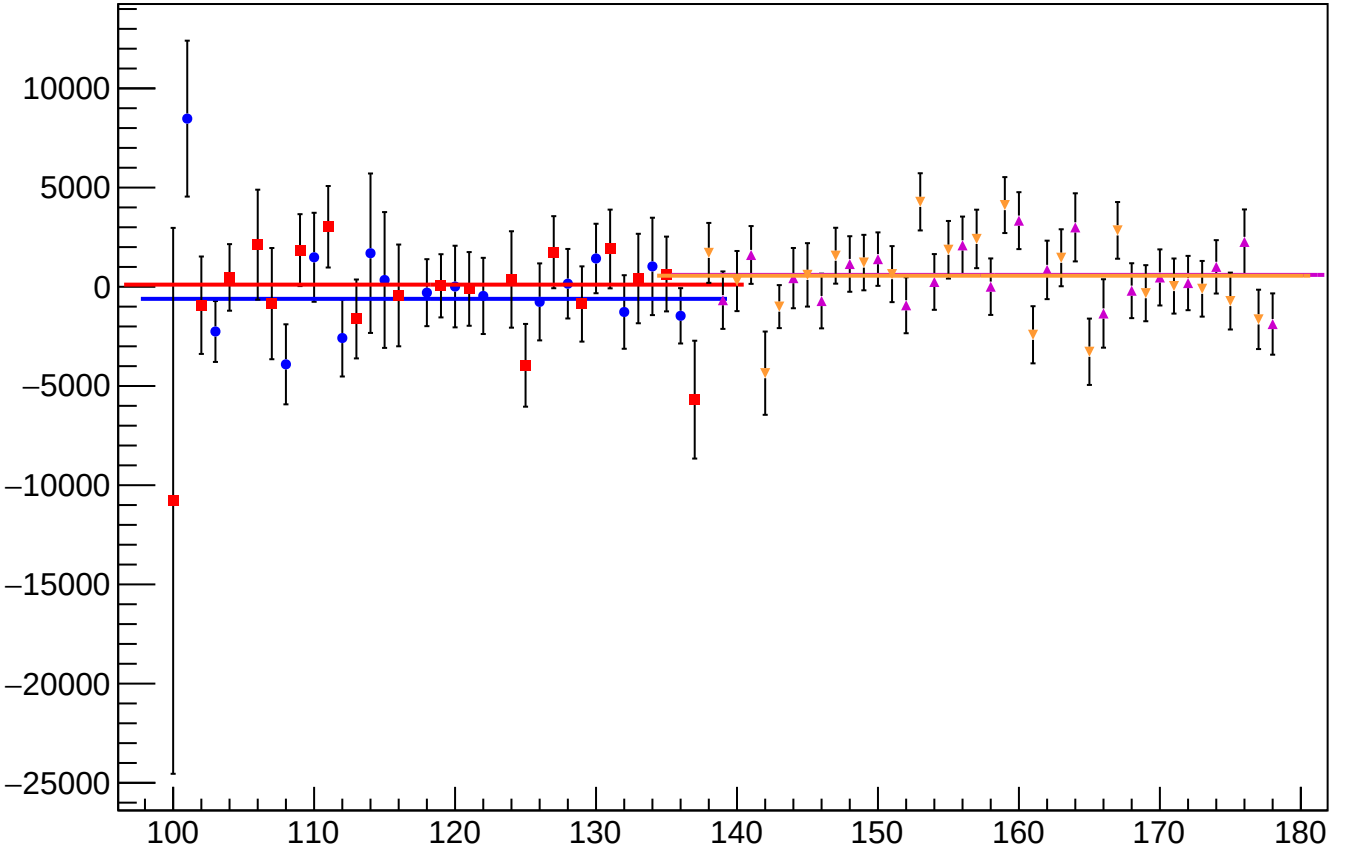
Left In: 4169.144+/-0.745 χ^2/NDF:1179312.1/19

+ sign 3569.259+/-0.541 χ^2/NDF: 3717732.5/36

All: 3637.847+/-0.388 χ^2/NDF: 6435533.0/75

- sign 3710.459+/-0.557 χ^2/NDF: 2684698.9/38

dit_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 559.036+/-315.347 χ^2/NDF:40.5/20

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

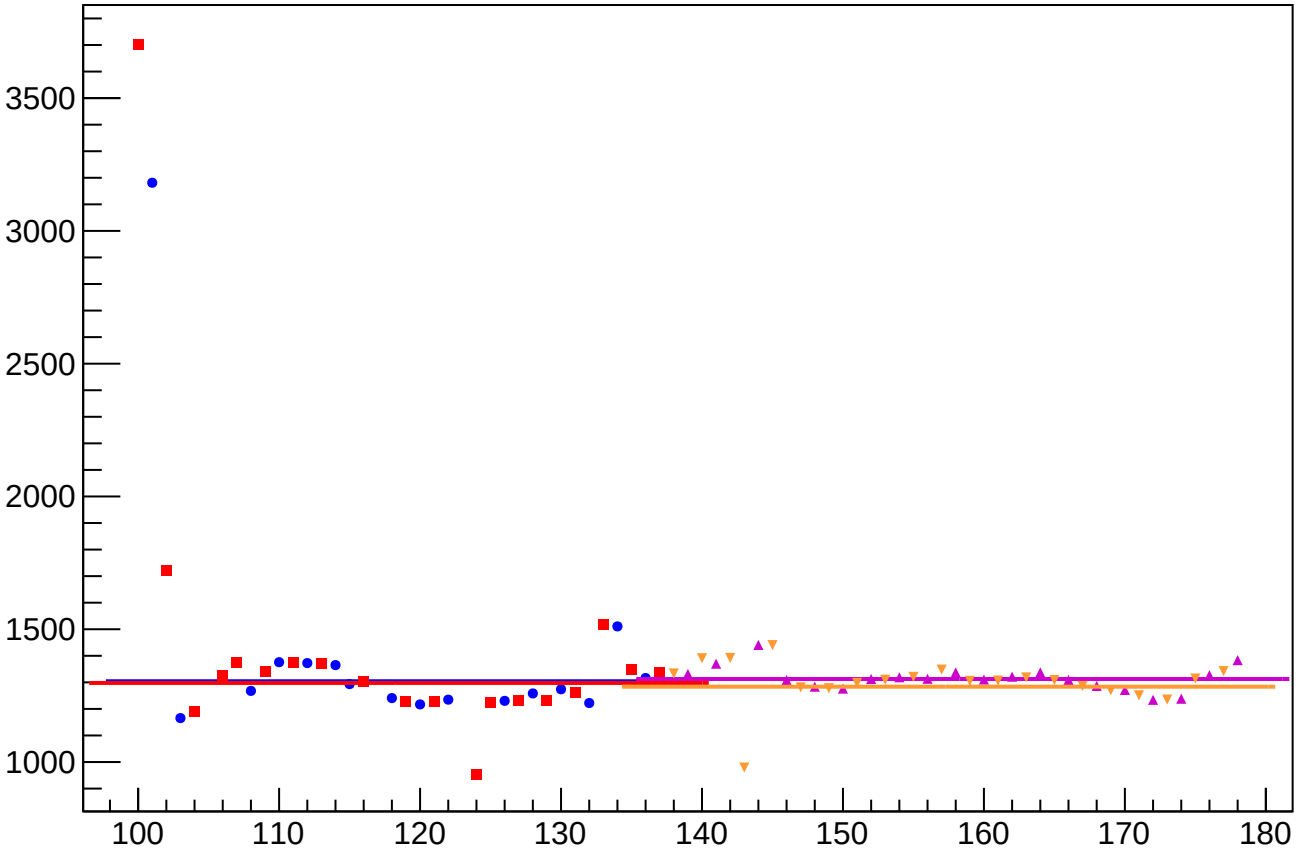
Left In: 599.425+/-324.930 χ^2/NDF:16.2/19

\+ sign 221.384+/-265.834 χ^2/NDF: 58.6/36

All: 332.722+/-189.443 χ^2/NDF: 90.7/75

\- sign 447.614+/-270.042 χ^2/NDF: 31.7/38

dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1283.699+/-0.223 χ^2/NDF:210710.5/20

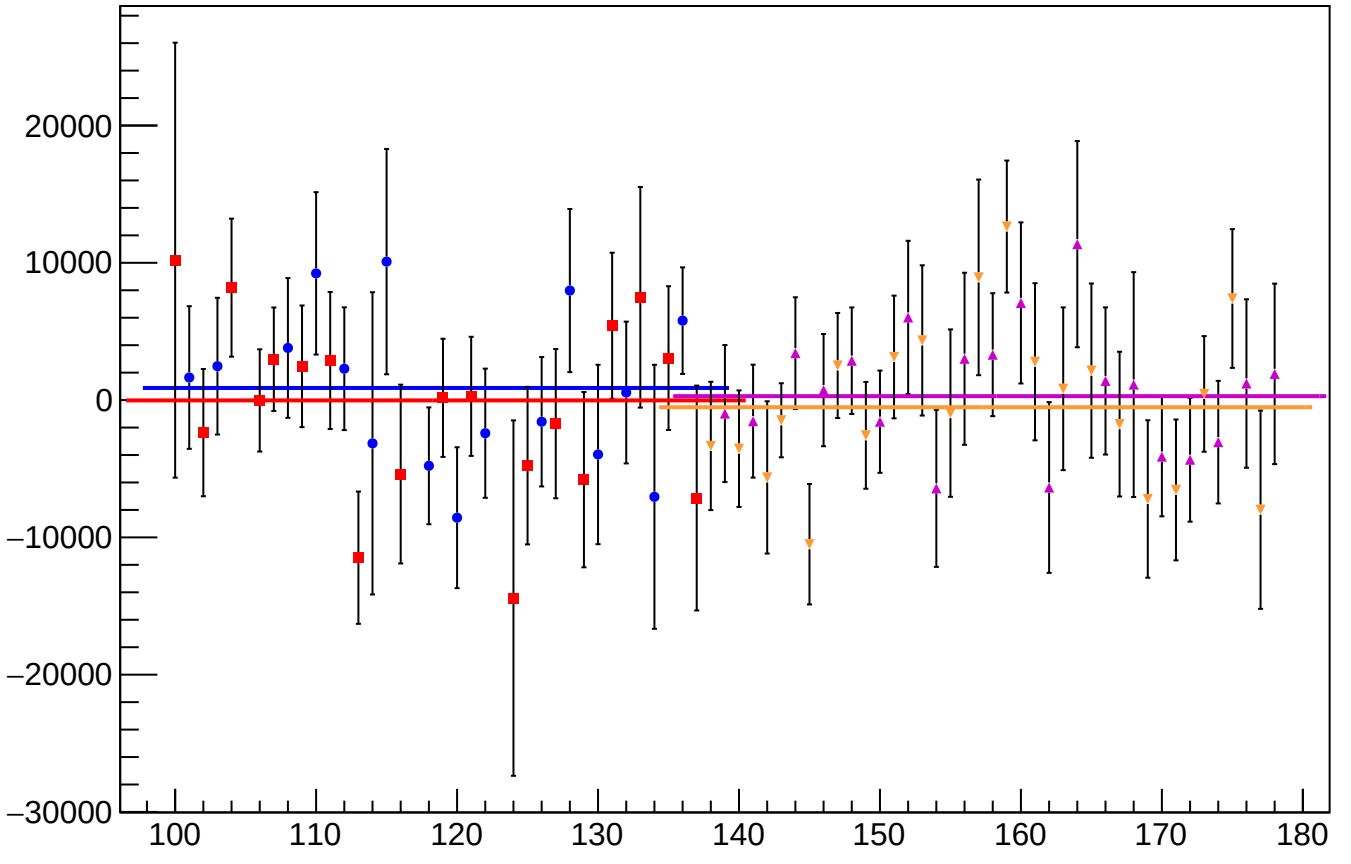
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1312.637+/-0.230 χ^2/NDF:40645.3/19

+ sign 1289.603+/-0.188 χ^2/NDF: 723722.7/36

All: 1298.680+/-0.134 χ^2/NDF: 983493.4/75

- sign 1308.042+/-0.191 χ^2/NDF: 255034.0/38



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -517.647+/-1034.802 χ^2/NDF:25.6/20

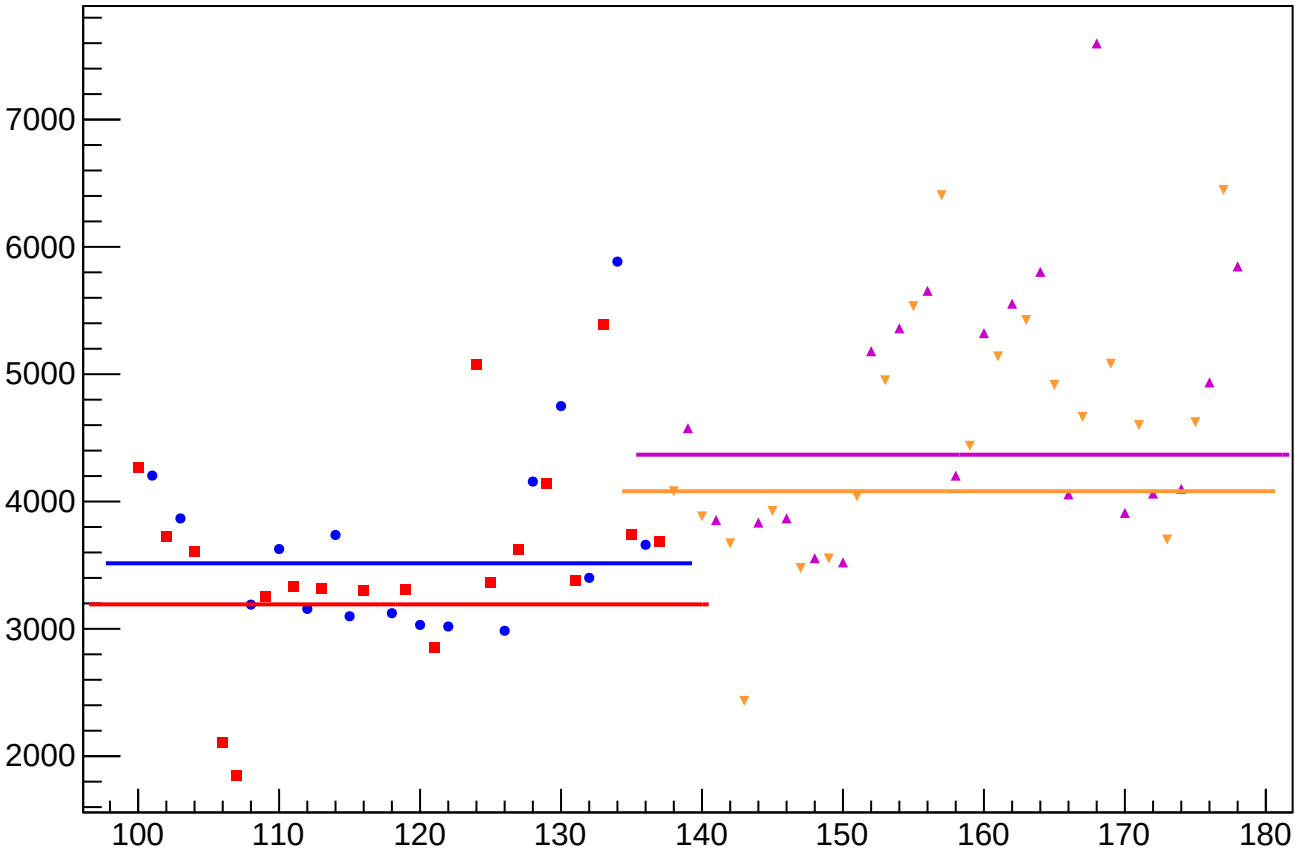
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 287.074+/-1104.132 χ^2/NDF:12.1/19

+ sign 12.205+/-816.114 χ^2/NDF: 40.4/36

All: 79.388+/-575.807 χ^2/NDF: 69.3/75

- sign 145.981+/-812.525 χ^2/NDF: 28.9/38



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4081.017+/-0.732 χ^2/NDF:1803960.9/20

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

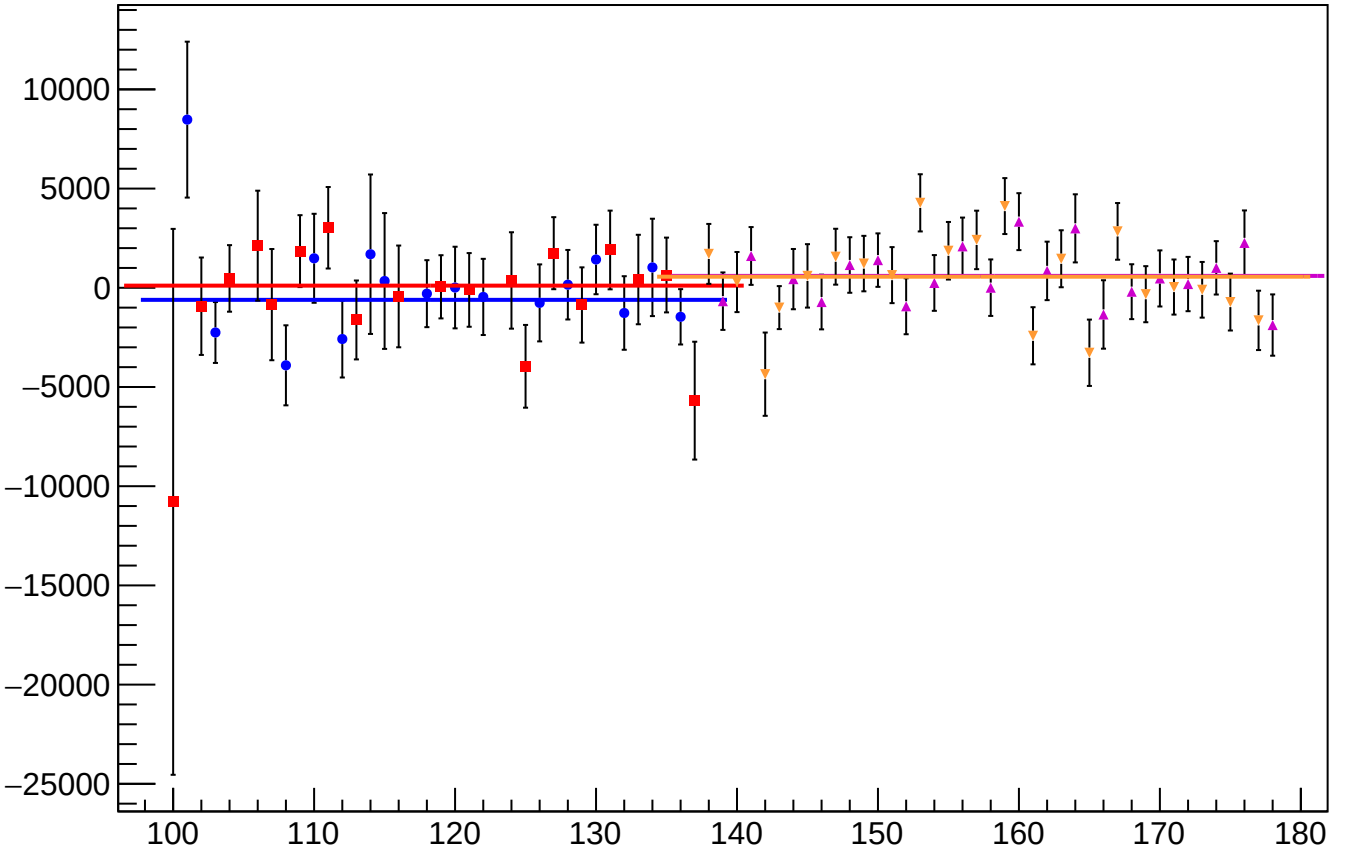
Left In: 4367.880+/-0.781 χ^2/NDF:1153249.4/19

+ sign 3866.963+/-0.577 χ^2/NDF: 2405432.3/36

All: 3847.838+/-0.407 χ^2/NDF: 5372958.0/75

- sign 3828.880+/-0.575 χ^2/NDF: 2965338.6/38

eigen_dit_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 559.039+/-315.347 χ^2/NDF:40.5/20

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

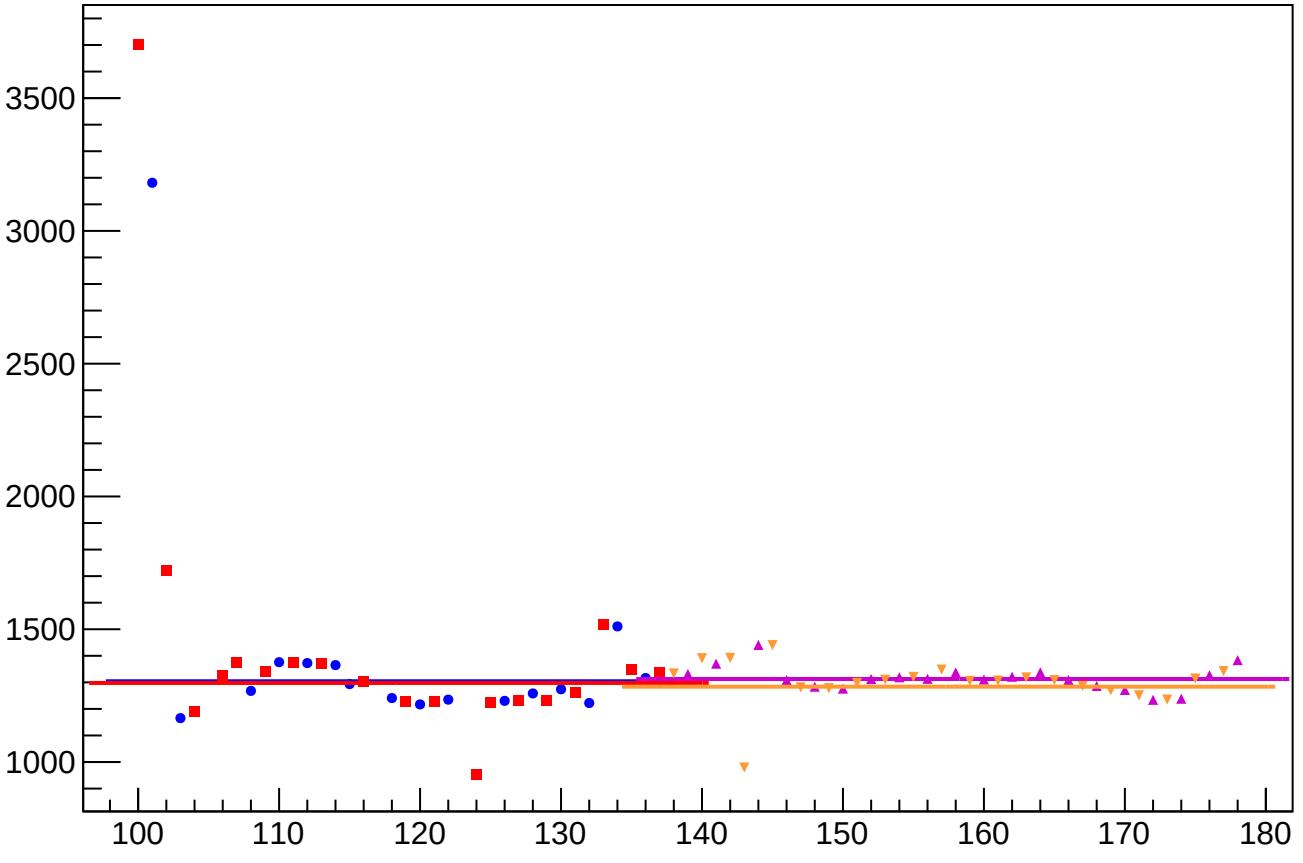
Left In: 599.428+/-324.930 χ^2/NDF:16.2/19

+ sign 221.385+/-265.834 χ^2/NDF: 58.6/36

All: 332.724+/-189.444 χ^2/NDF: 90.7/75

- sign 447.616+/-270.042 χ^2/NDF: 31.7/38

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: 1283.700+/-0.223 χ^2/NDF:210712.2/20

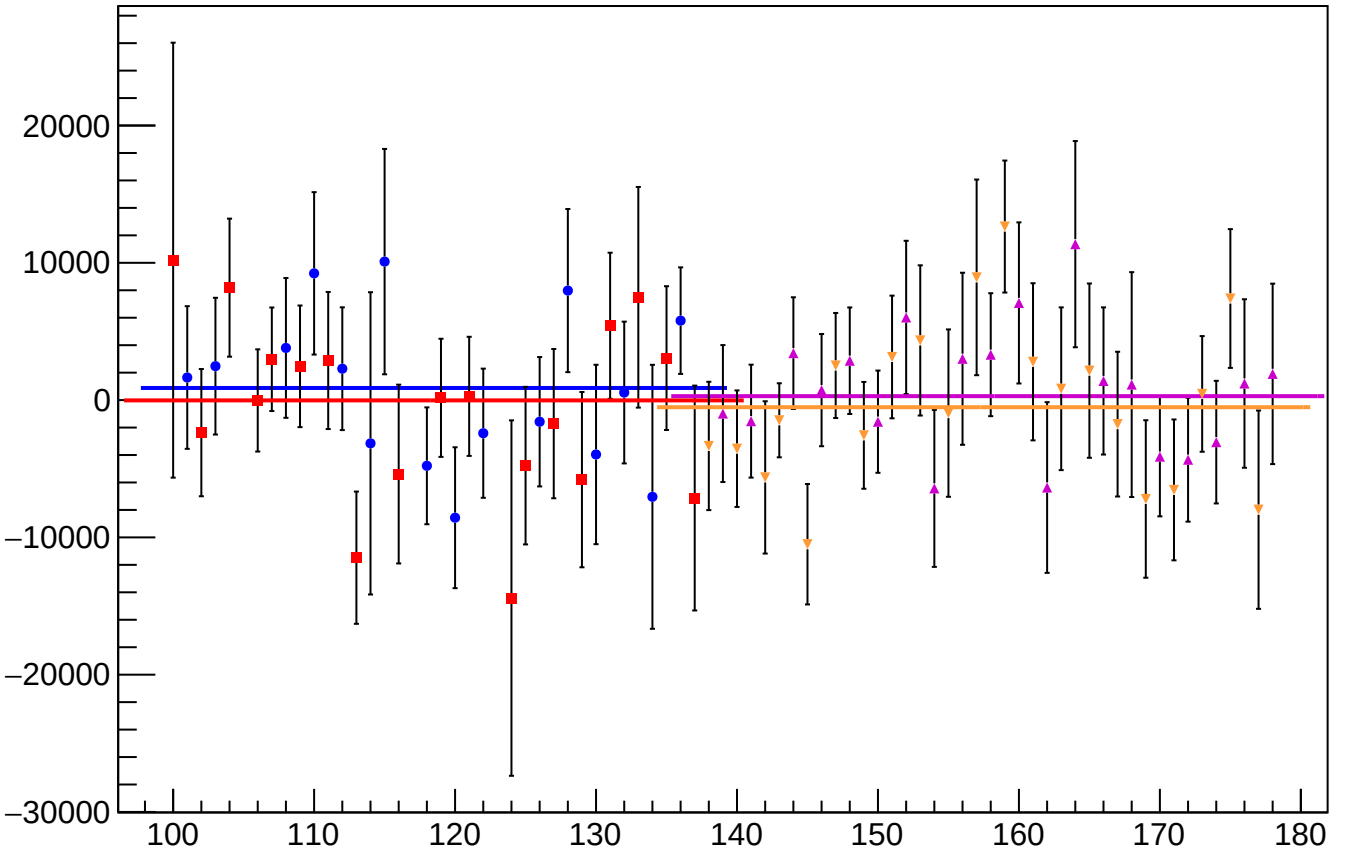
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1312.638+/-0.230 χ^2/NDF:40647.2/19

+ sign 1289.603+/-0.188 χ^2/NDF: 723724.3/36

All: 1298.680+/-0.134 χ^2/NDF: 983497.2/75

- sign 1308.042+/-0.191 χ^2/NDF: 255036.2/38



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -517.645+/-1034.804 χ^2/NDF:25.6/20

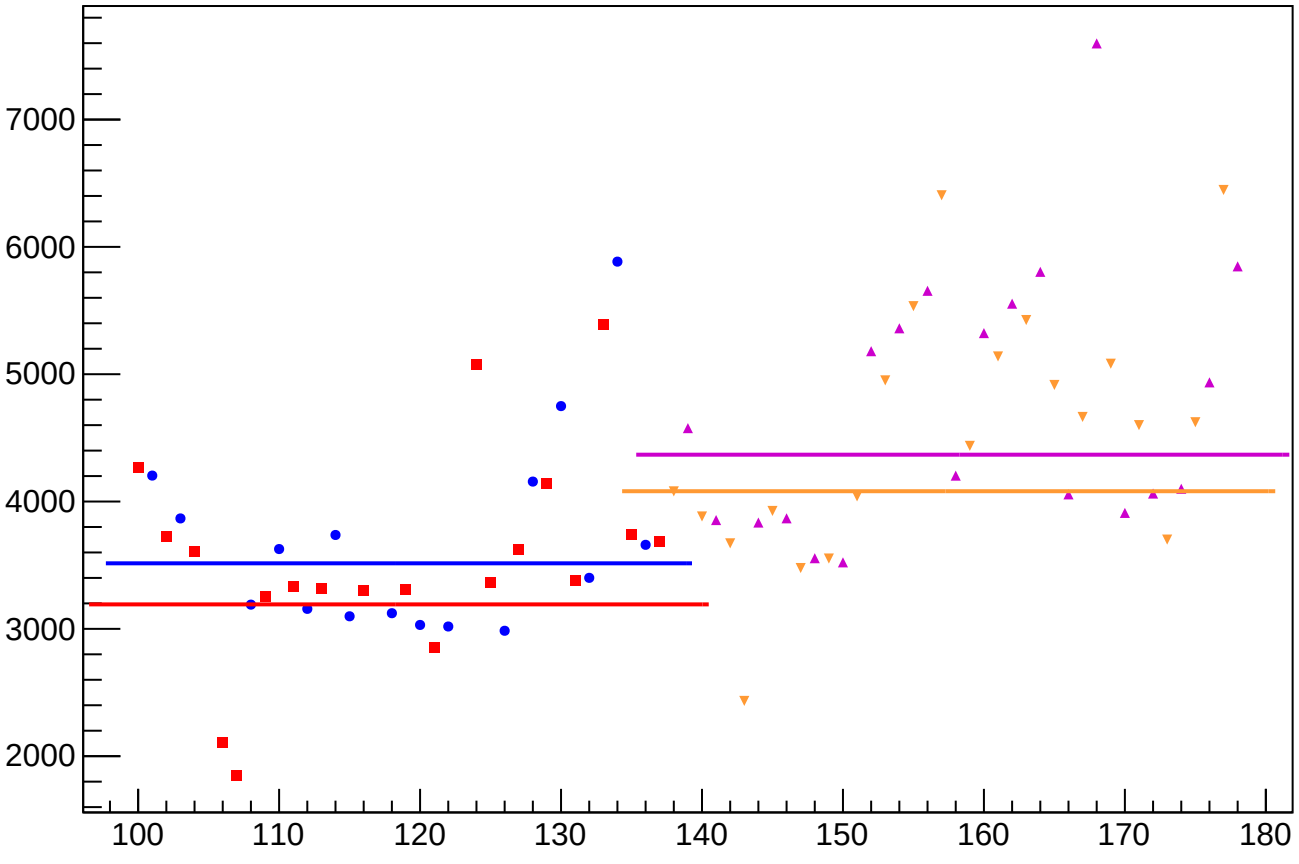
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 287.074+/-1104.134 χ^2/NDF:12.1/19

+ sign 12.205+/-816.114 χ^2/NDF: 40.4/36

All: 79.389+/-575.807 χ^2/NDF: 69.3/75

- sign 145.982+/-812.525 χ^2/NDF: 28.9/38



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4081.023+/-0.732 χ^2/NDF:1803962.4/20

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

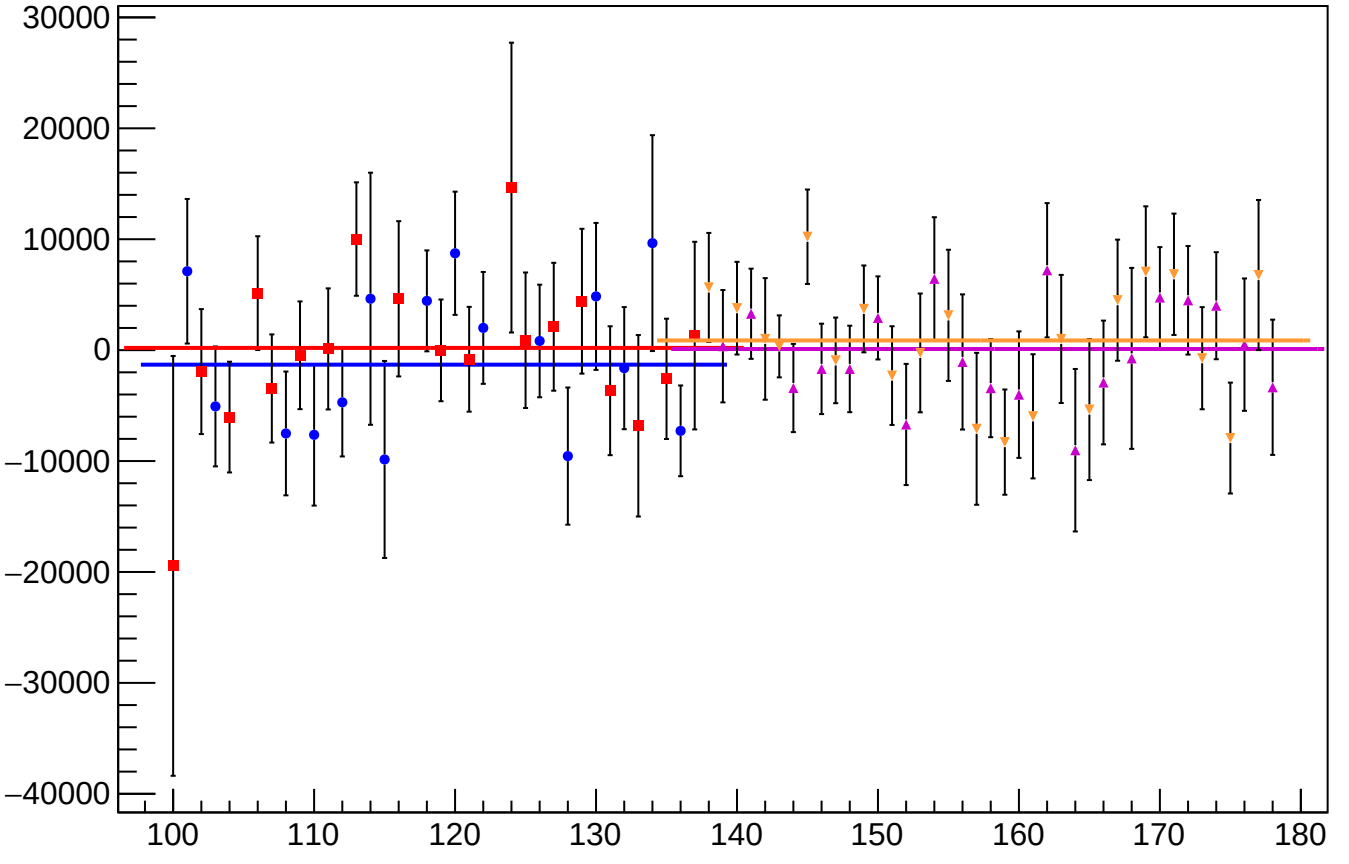
Left In: 4367.886+/-0.781 χ^2/NDF:1153252.5/19

+ sign 3866.963+/-0.577 χ^2/NDF: 2405450.9/36

All: 3847.836+/-0.407 χ^2/NDF: 5373008.8/75

- sign 3828.878+/-0.575 χ^2/NDF: 2965370.6/38

asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 874.387+/-1043.434 χ^2/NDF:22.0/20

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

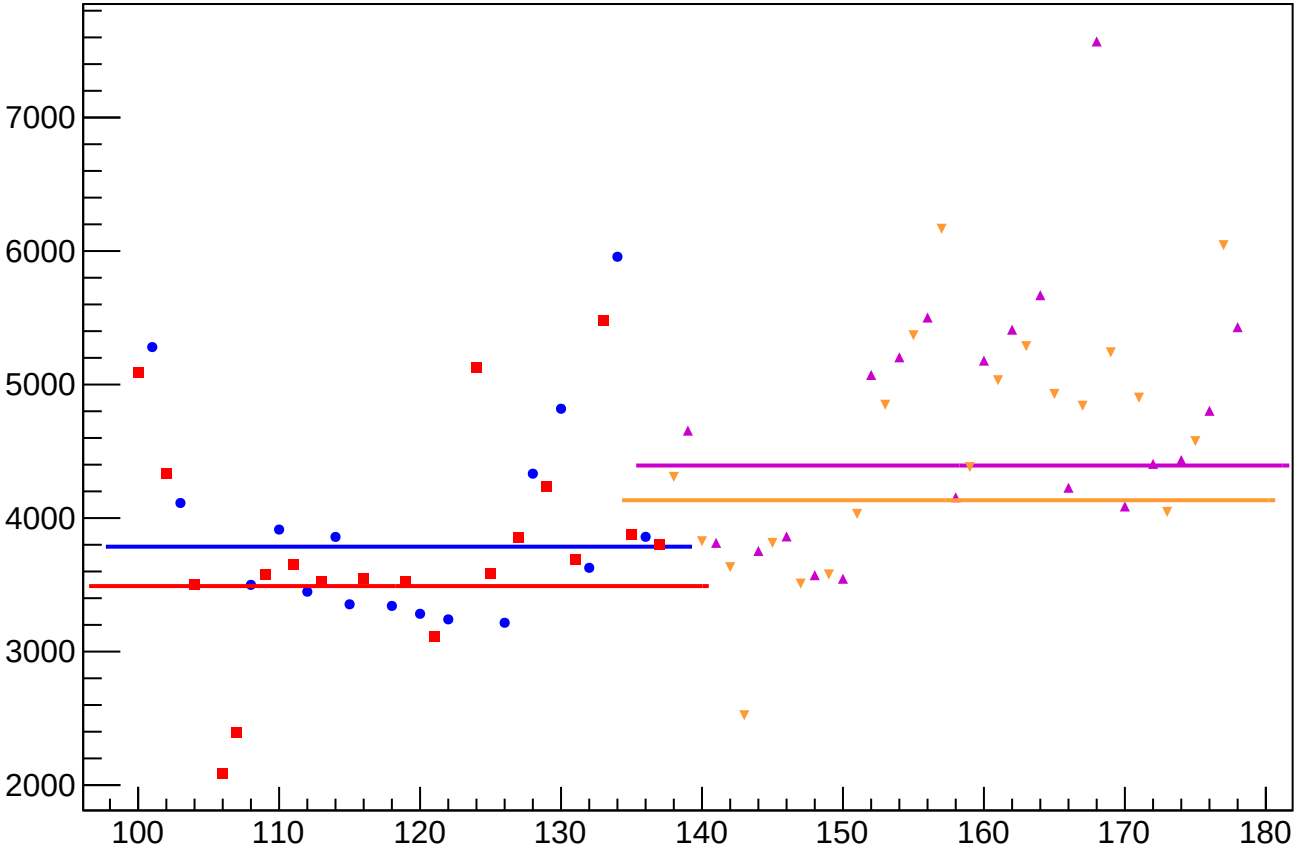
Left In: 102.716+/-1107.223 χ^2/NDF:12.5/19

+ sign 116.795+/-843.231 χ^2/NDF: 41.1/36

All: 129.741+/-599.512 χ^2/NDF: 65.2/75

- sign 142.974+/-852.523 χ^2/NDF: 24.1/38

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4133.516+/-0.738 χ^2/NDF:1585866.2/20

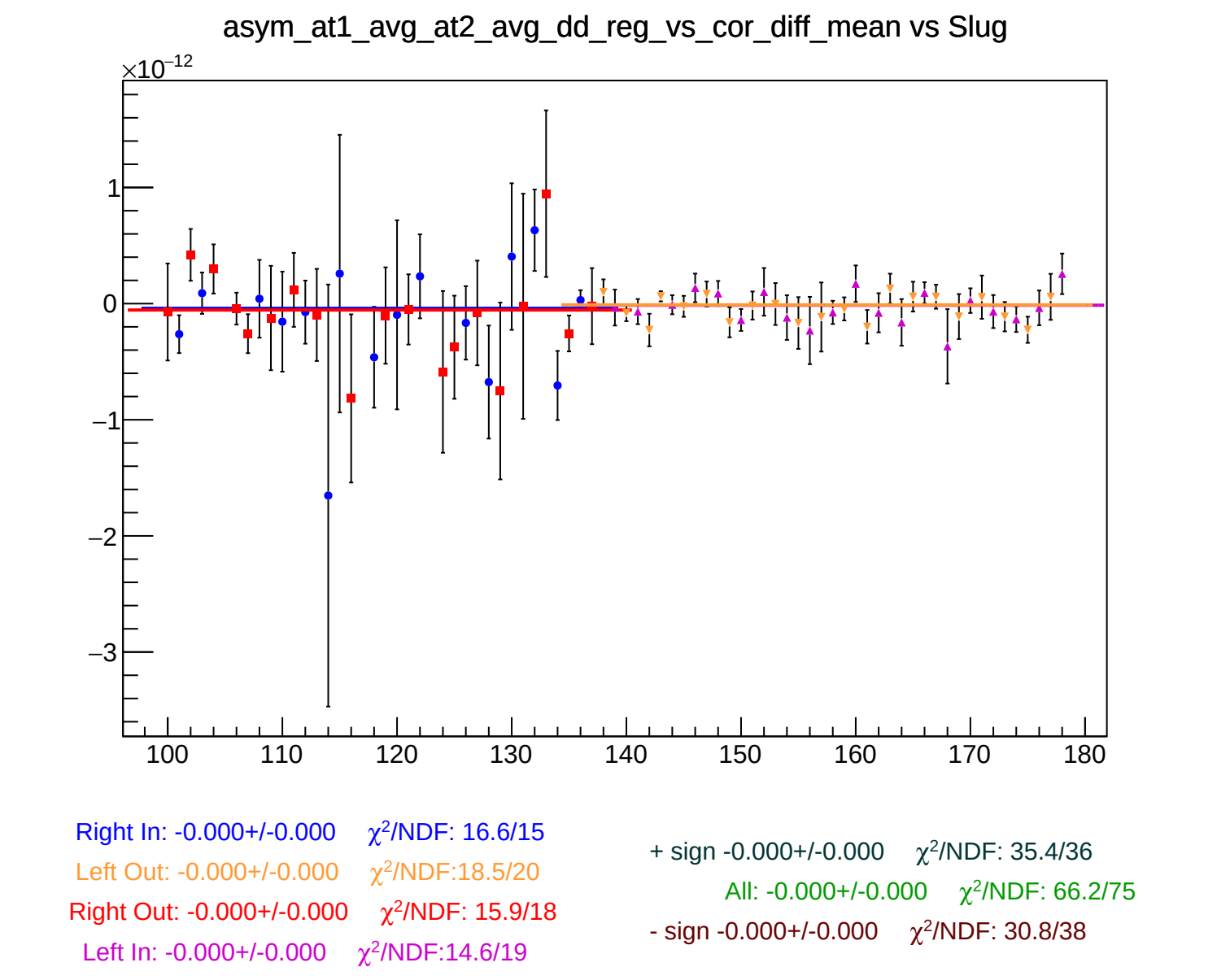
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4393.657+/-0.783 χ^2/NDF:1004815.9/19

+ sign 4012.874+/-0.596 χ^2/NDF: 2045923.8/36

All: 4016.408+/-0.423 χ^2/NDF: 4188035.1/75

- sign 4019.981+/-0.599 χ^2/NDF: 2142040.7/38


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
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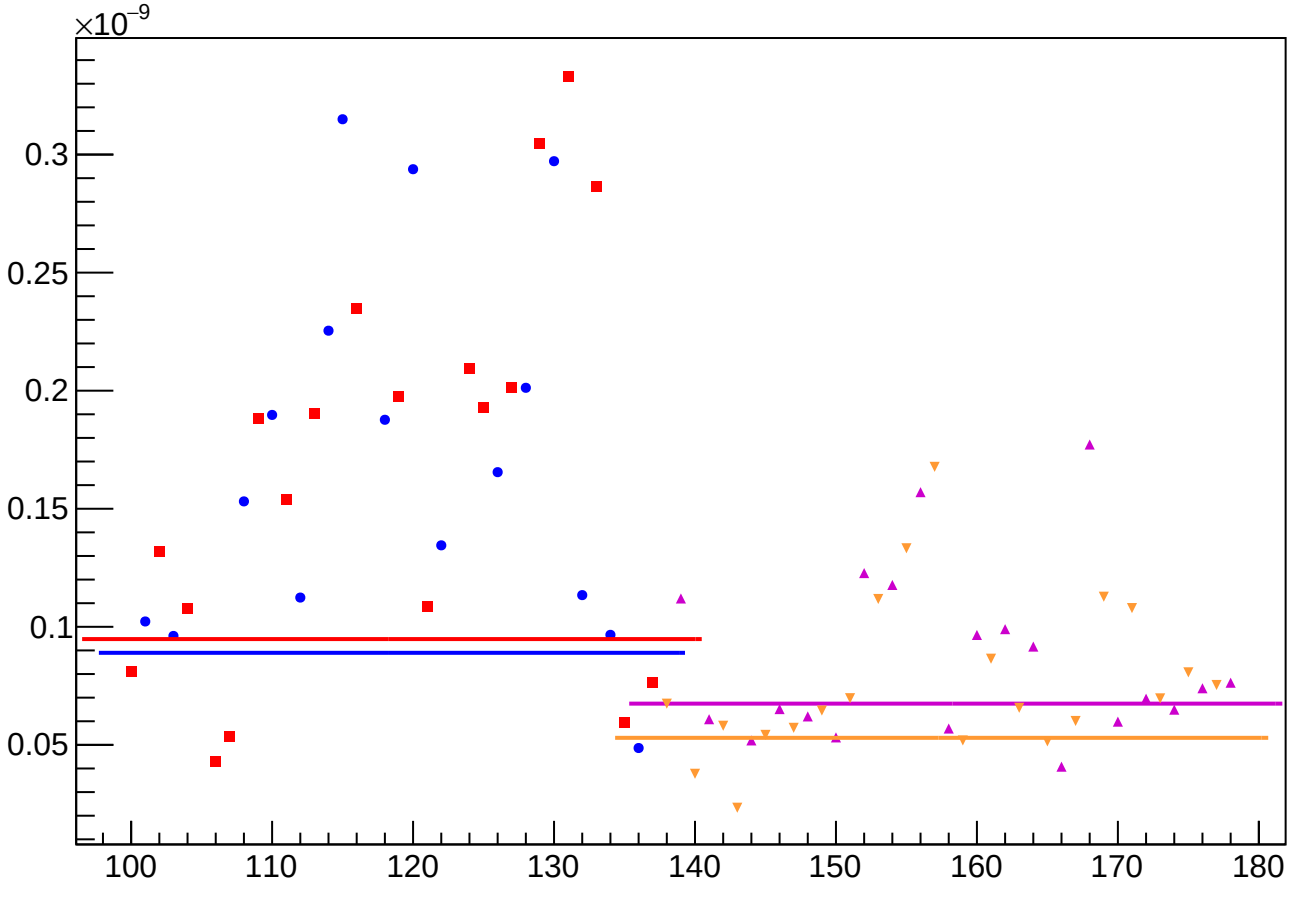
−1
−2
−3
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: -0.000+/-0.000 χ²/NDF:18.5/20
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: -0.000+/-0.000 χ²/NDF:14.6/19
+ sign -0.000+/-0.000 χ²/NDF: 35.4/36
All: -0.000+/-0.000 χ²/NDF: 66.2/75
- sign -0.000+/-0.000 χ²/NDF: 30.8/38



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2547856.2/20

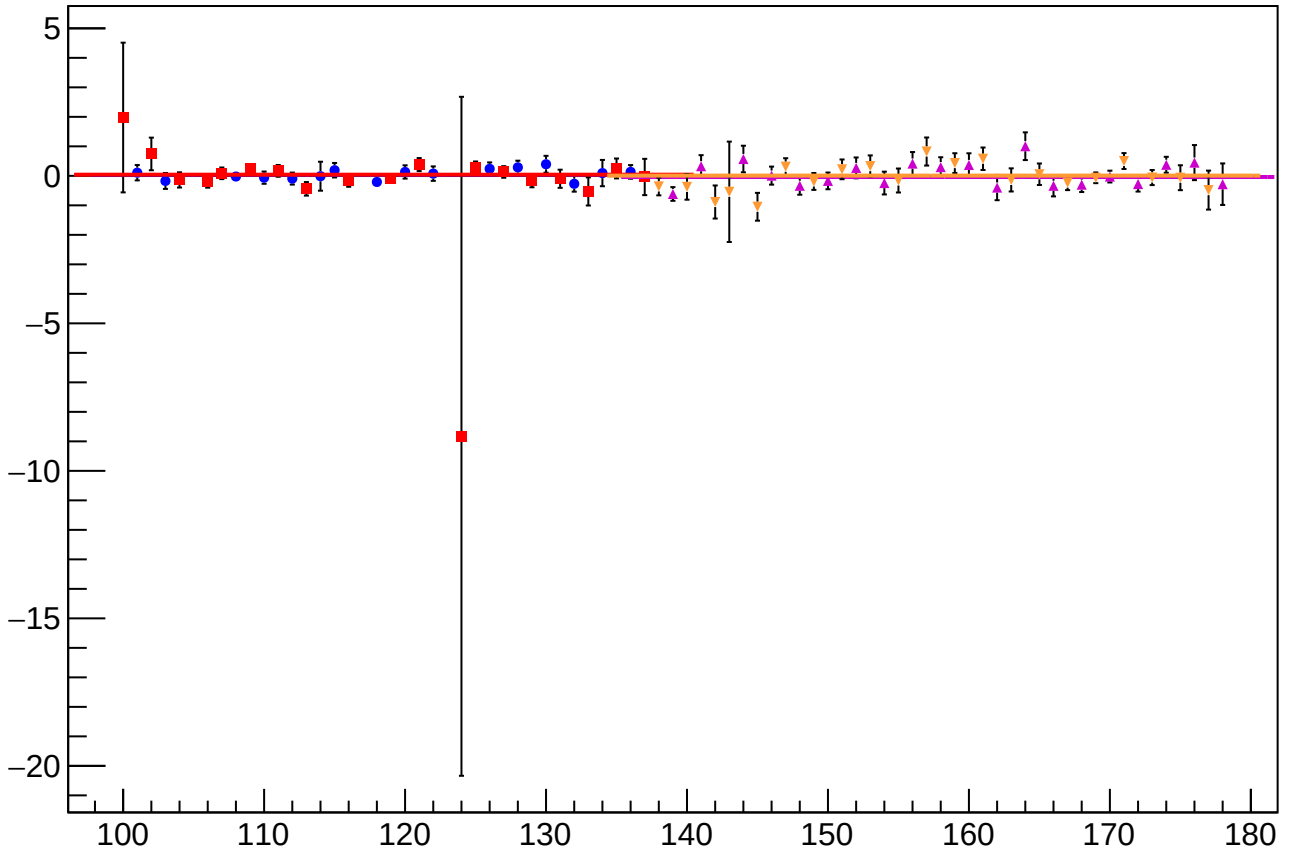
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1385441.0/19

+ sign 0.000+/-0.000 χ^2/NDF: 4652643.2/36

All: 0.000+/-0.000 χ^2/NDF: 8425864.5/75

- sign 0.000+/-0.000 χ^2/NDF: 3424991.4/38



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.008+/-0.073 χ^2/NDF:24.8/20

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

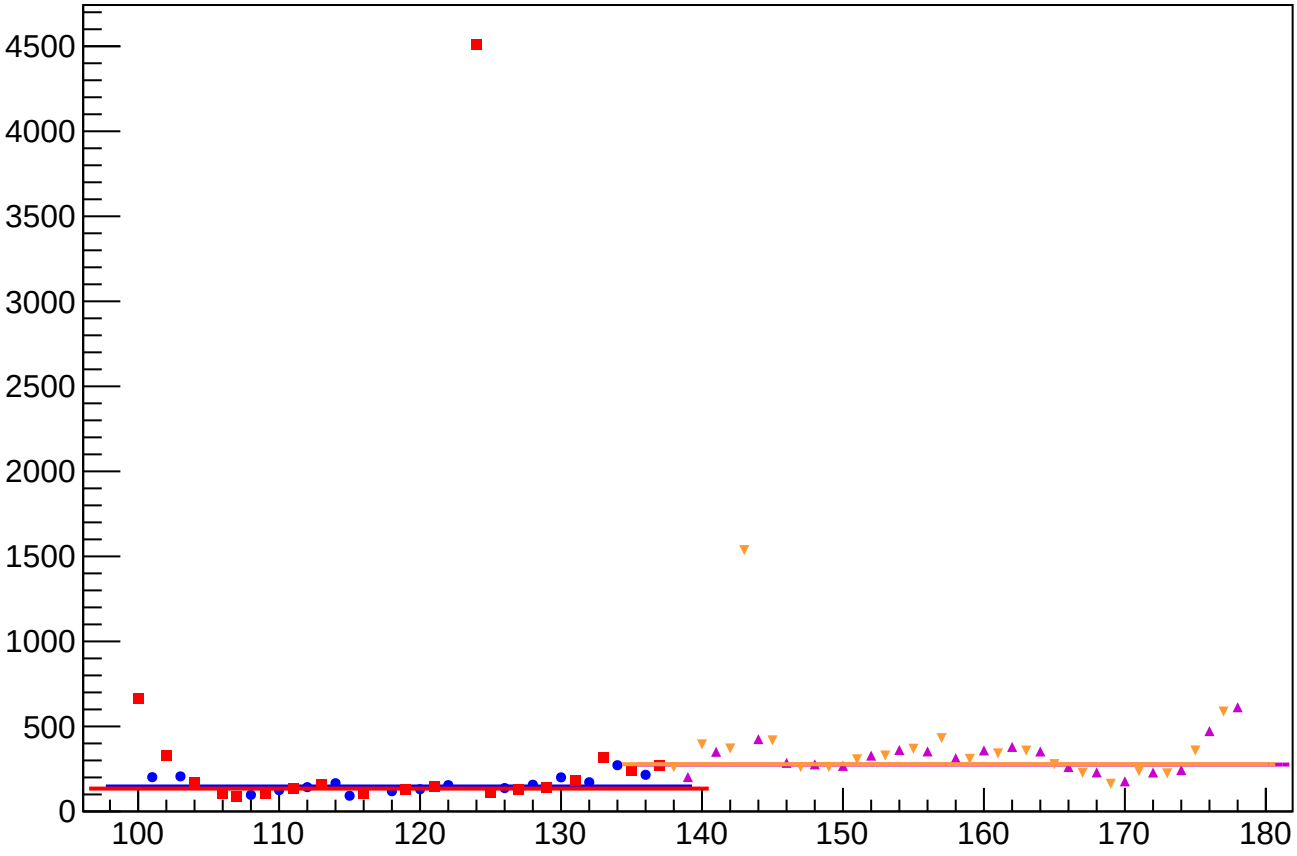
Left In: -0.040+/-0.072 χ^2/NDF:26.0/19

+ sign 0.020+/-0.045 χ^2/NDF: 34.3/36

All: 0.015+/-0.031 χ^2/NDF: 81.1/75

- sign 0.010+/-0.044 χ^2/NDF: 46.7/38

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 277.862+/-0.052 χ^2/NDF:3536745.3/20

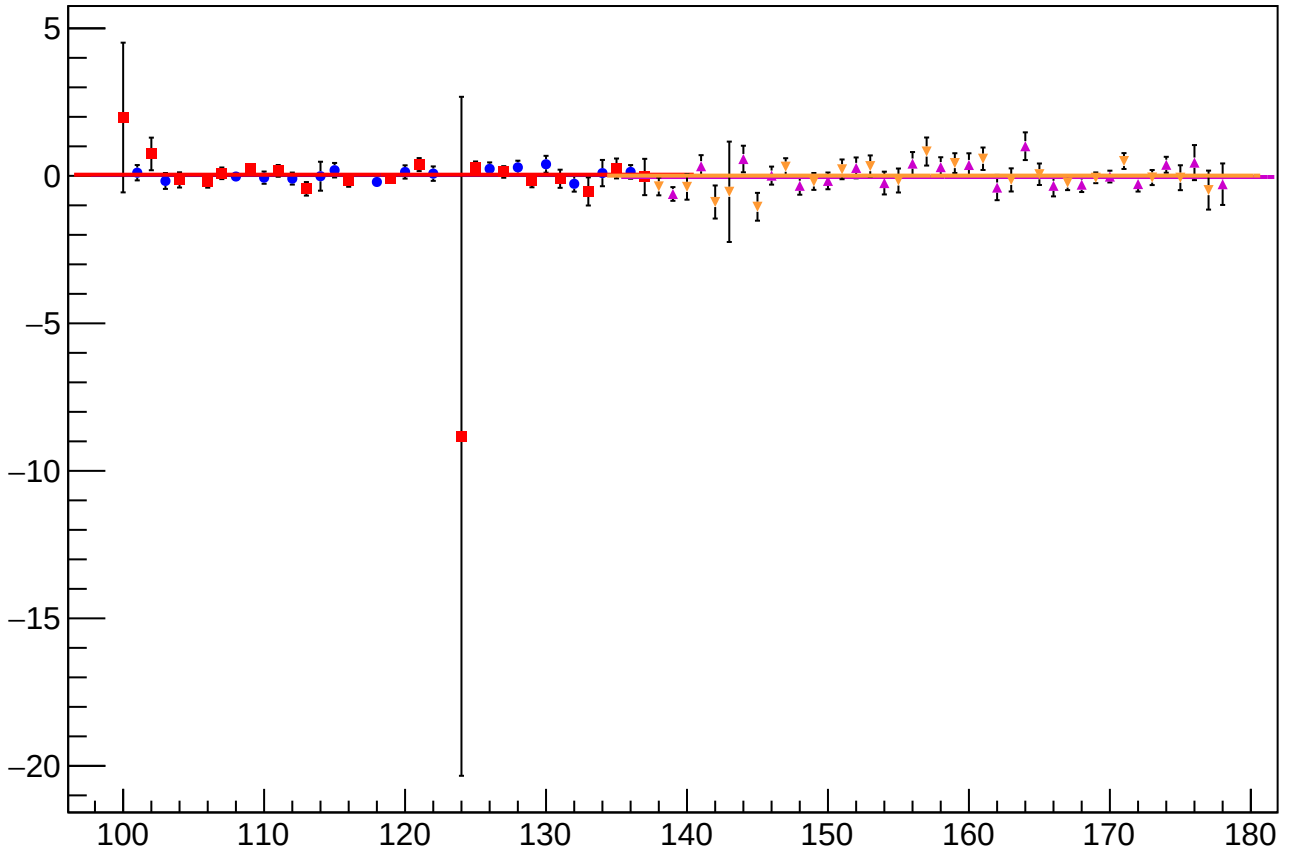
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 275.800+/-0.051 χ^2/NDF:2341639.7/19

+ sign 197.253+/-0.032 χ^2/NDF: 8504310.6/36

All: 191.639+/-0.022 χ^2/NDF: 17402242.1/75

- sign 186.436+/-0.031 χ^2/NDF: 8838626.9/38



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.008+/-0.073 χ^2/NDF:24.8/20

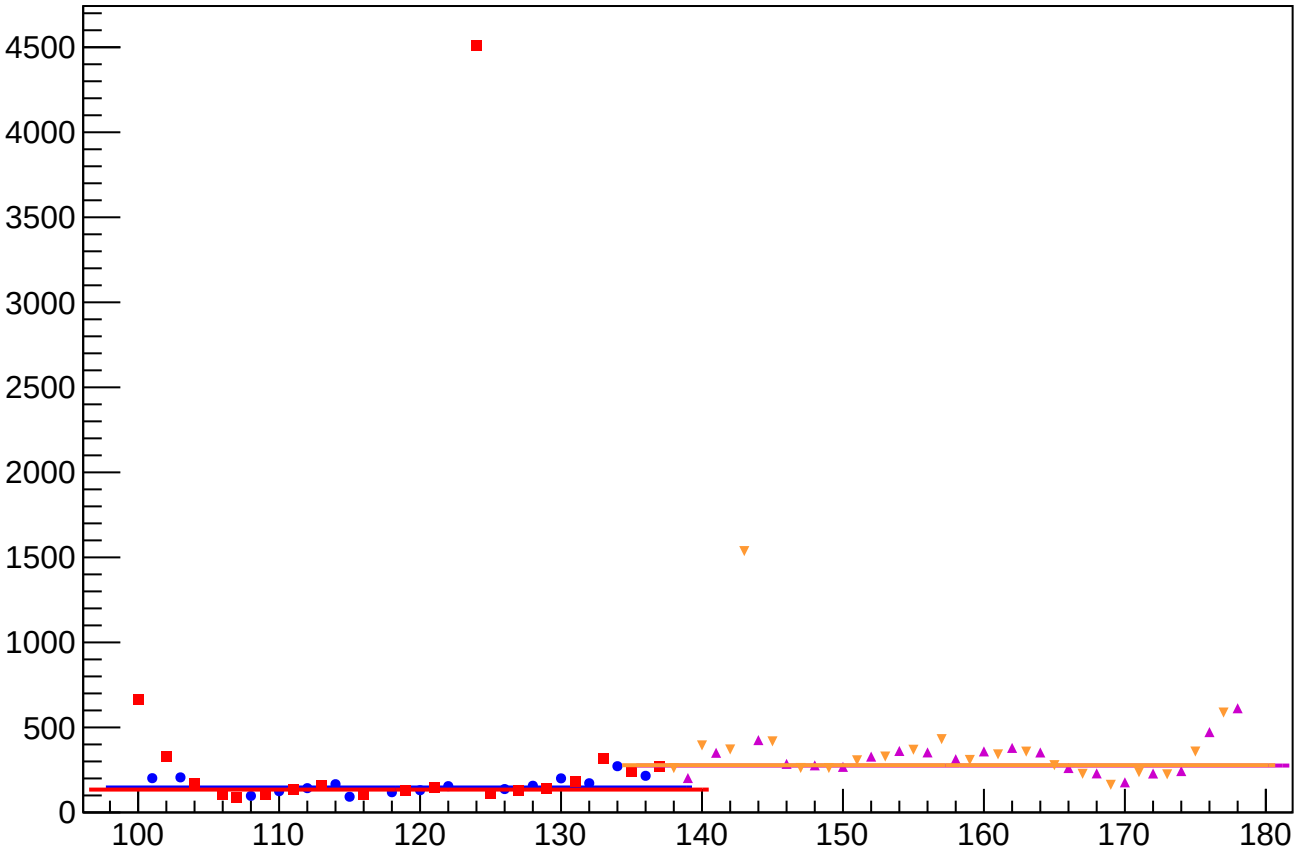
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.040+/-0.072 χ^2/NDF:26.0/19

+ sign 0.020+/-0.045 χ^2/NDF: 34.3/36

All: 0.015+/-0.031 χ^2/NDF: 81.1/75

- sign 0.010+/-0.044 χ^2/NDF: 46.7/38



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 277.862+/-0.052 χ^2/NDF:3536745.3/20

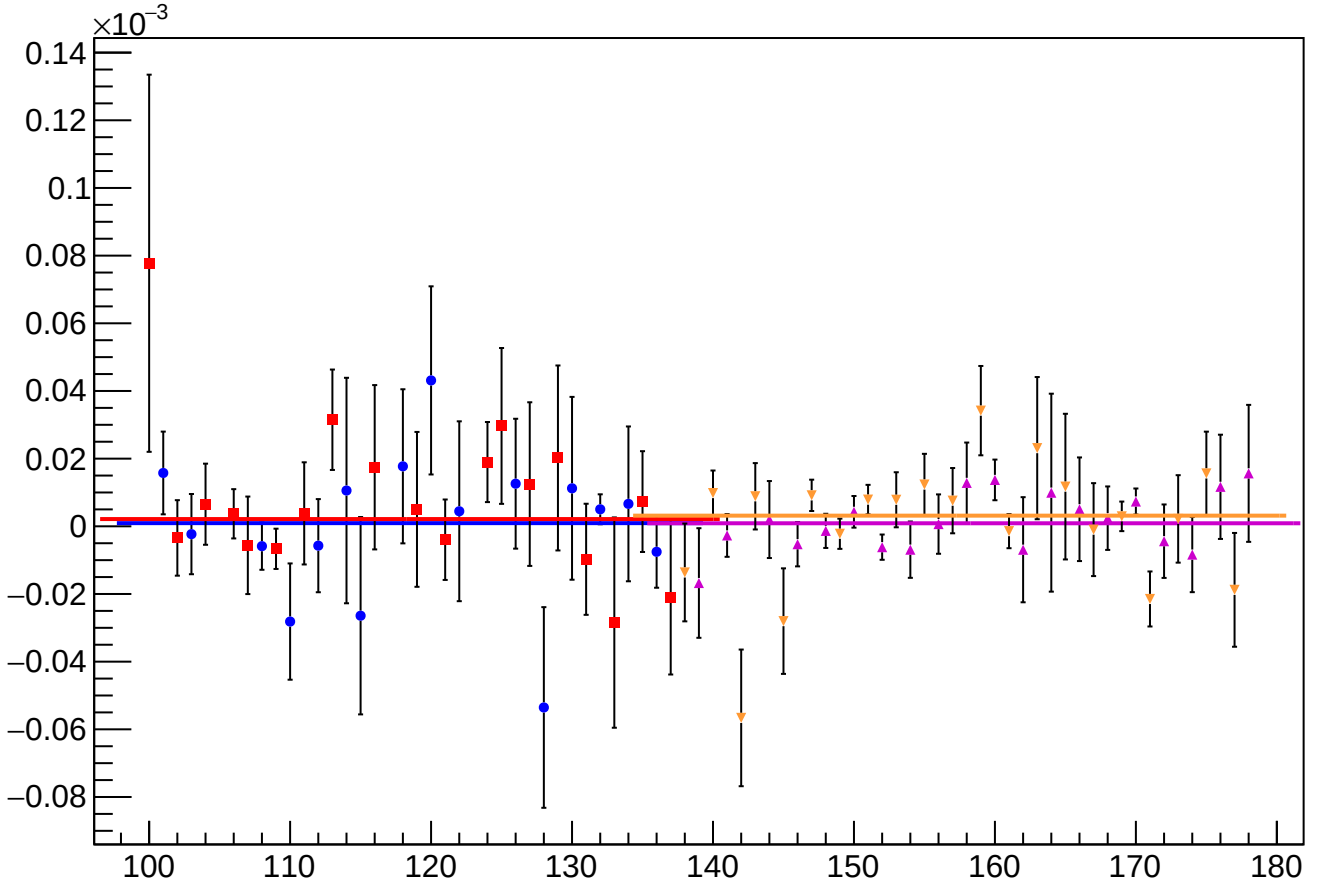
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 275.800+/-0.051 χ^2/NDF:2341639.7/19

+ sign 197.253+/-0.032 χ^2/NDF: 8504310.6/36

All: 191.639+/-0.022 χ^2/NDF: 17402242.1/75

- sign 186.436+/-0.031 χ^2/NDF: 8838626.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:40.7/20

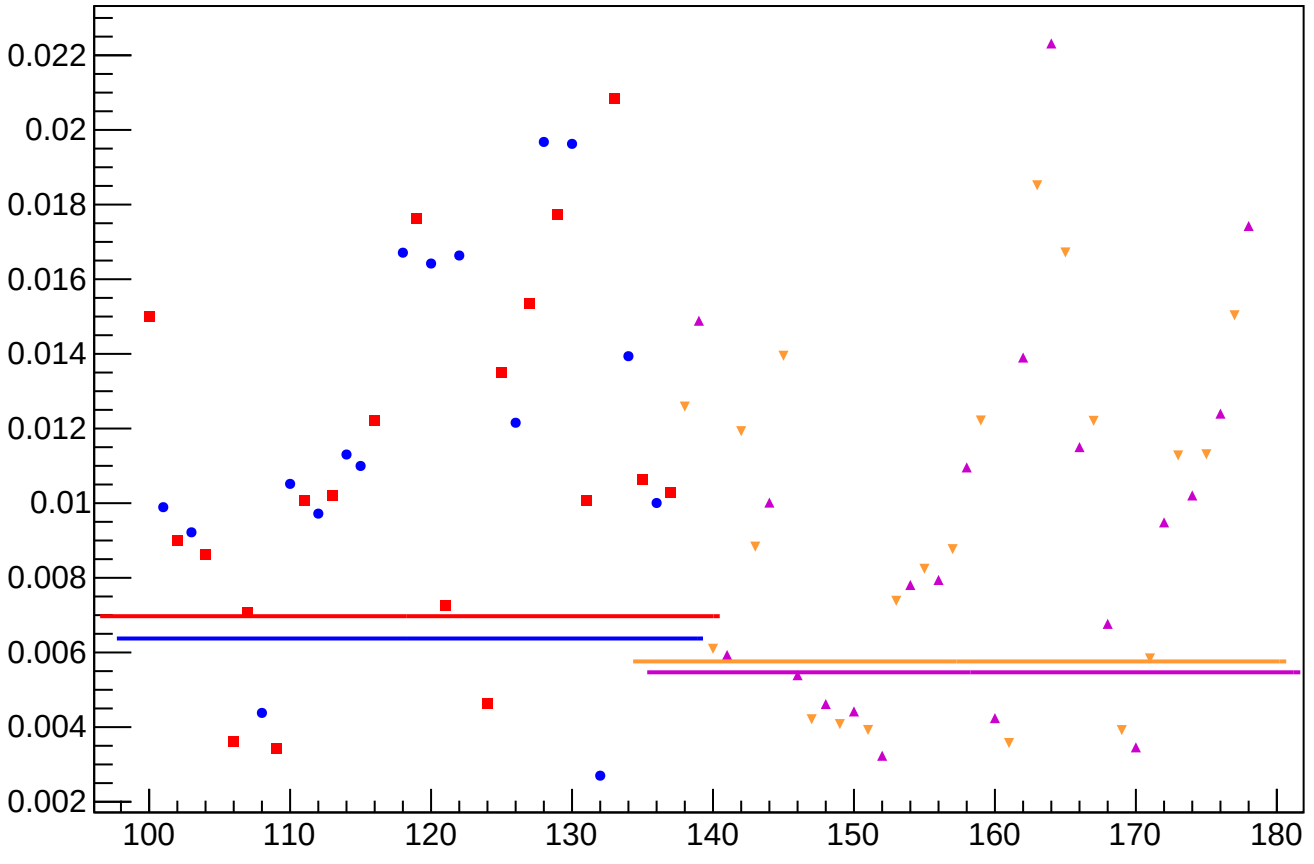
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:18.3/19

+ sign 0.000+/-0.000 χ^2/NDF: 56.0/36

All: 0.000+/-0.000 χ^2/NDF: 91.1/75

- sign 0.000+/-0.000 χ^2/NDF: 34.5/38



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:6952917.2/20

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

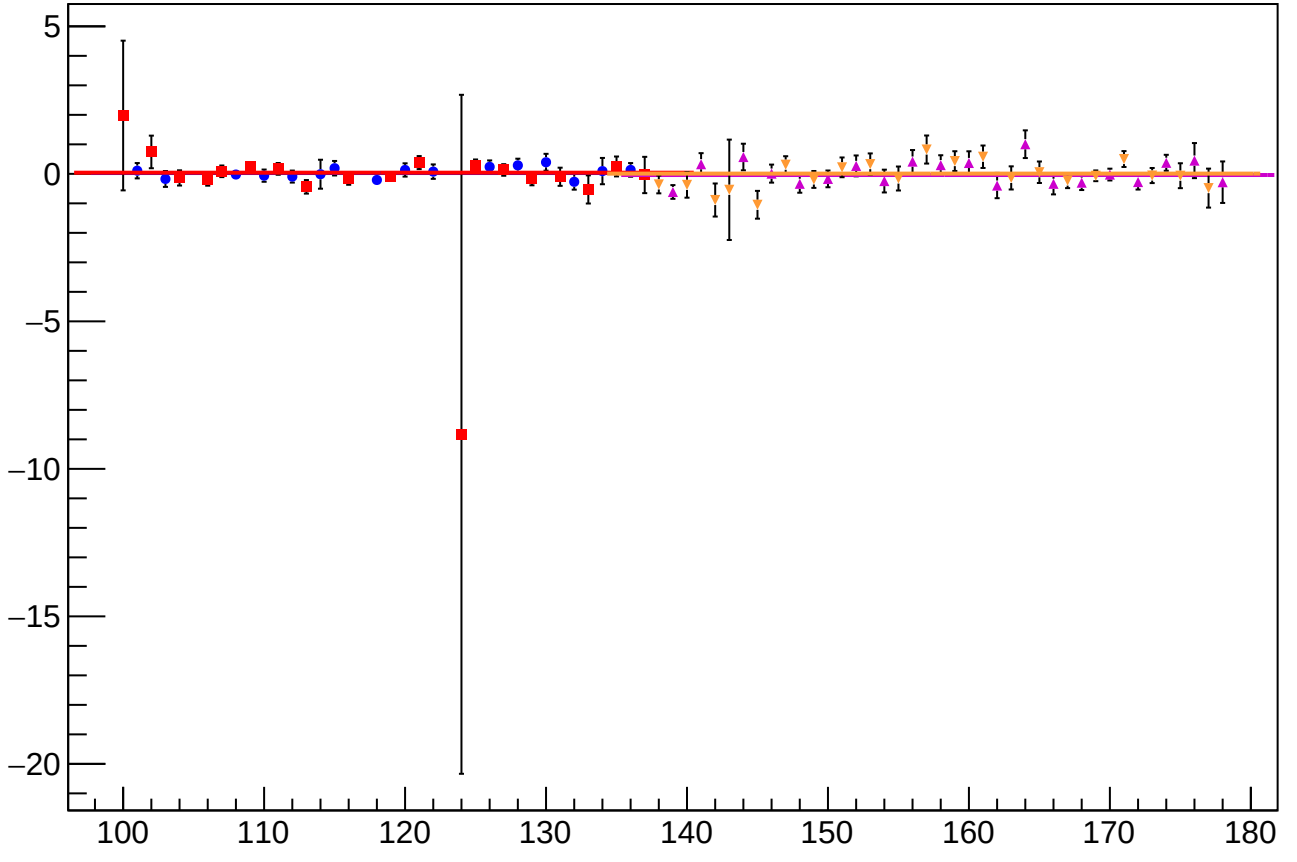
Left In: 0.005+/-0.000 χ^2/NDF:6595169.1/19

+ sign 0.006+/-0.000 χ^2/NDF: 11659665.8/36

All: 0.006+/-0.000 χ^2/NDF: 22058554.1/75

- sign 0.006+/-0.000 χ^2/NDF: 10393129.8/38

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.008+/-0.073 χ^2/NDF:24.8/20

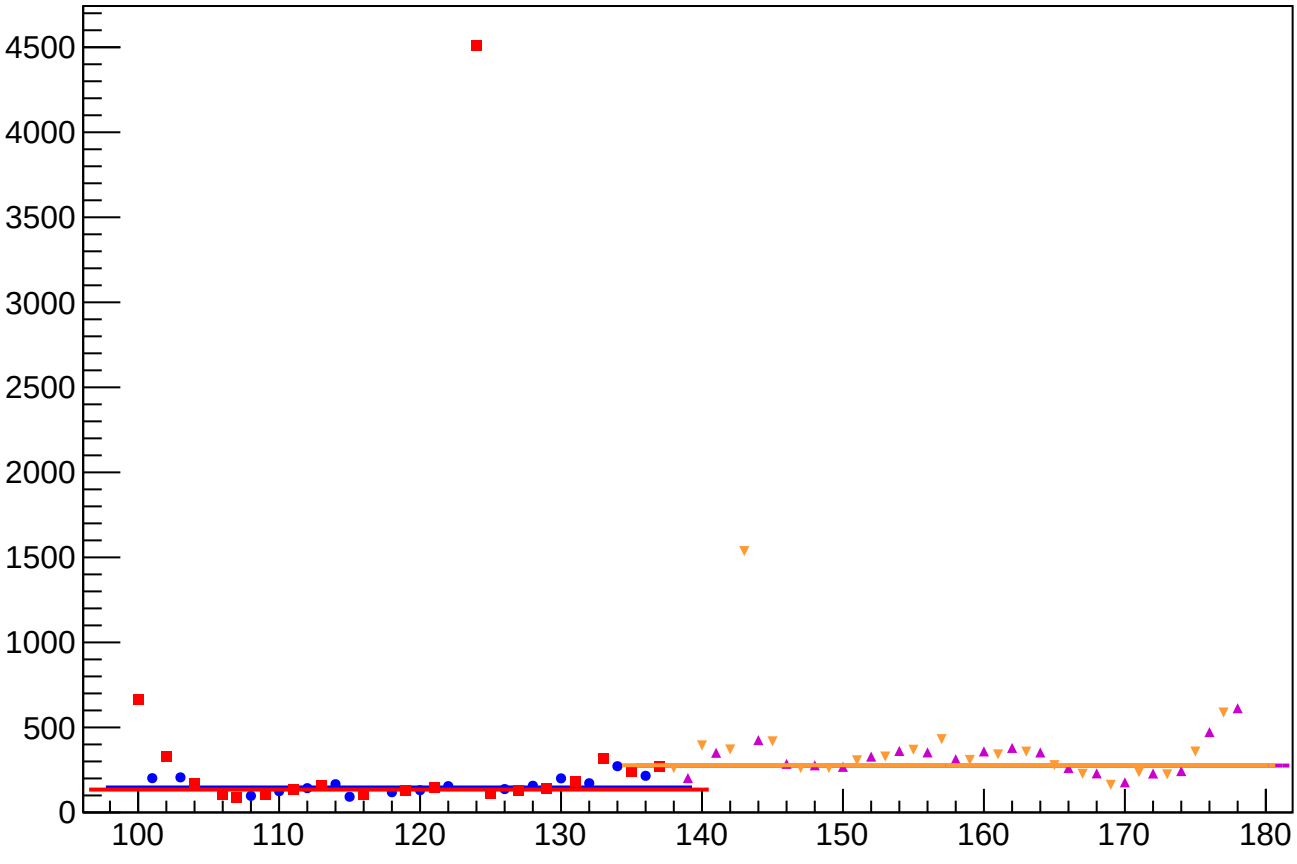
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.040+/-0.072 χ^2/NDF:26.0/19

+ sign 0.020+/-0.045 χ^2/NDF: 34.3/36

All: 0.015+/-0.031 χ^2/NDF: 81.1/75

- sign 0.010+/-0.044 χ^2/NDF: 46.7/38



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 277.862+/-0.052 χ^2/NDF:3536897.0/20

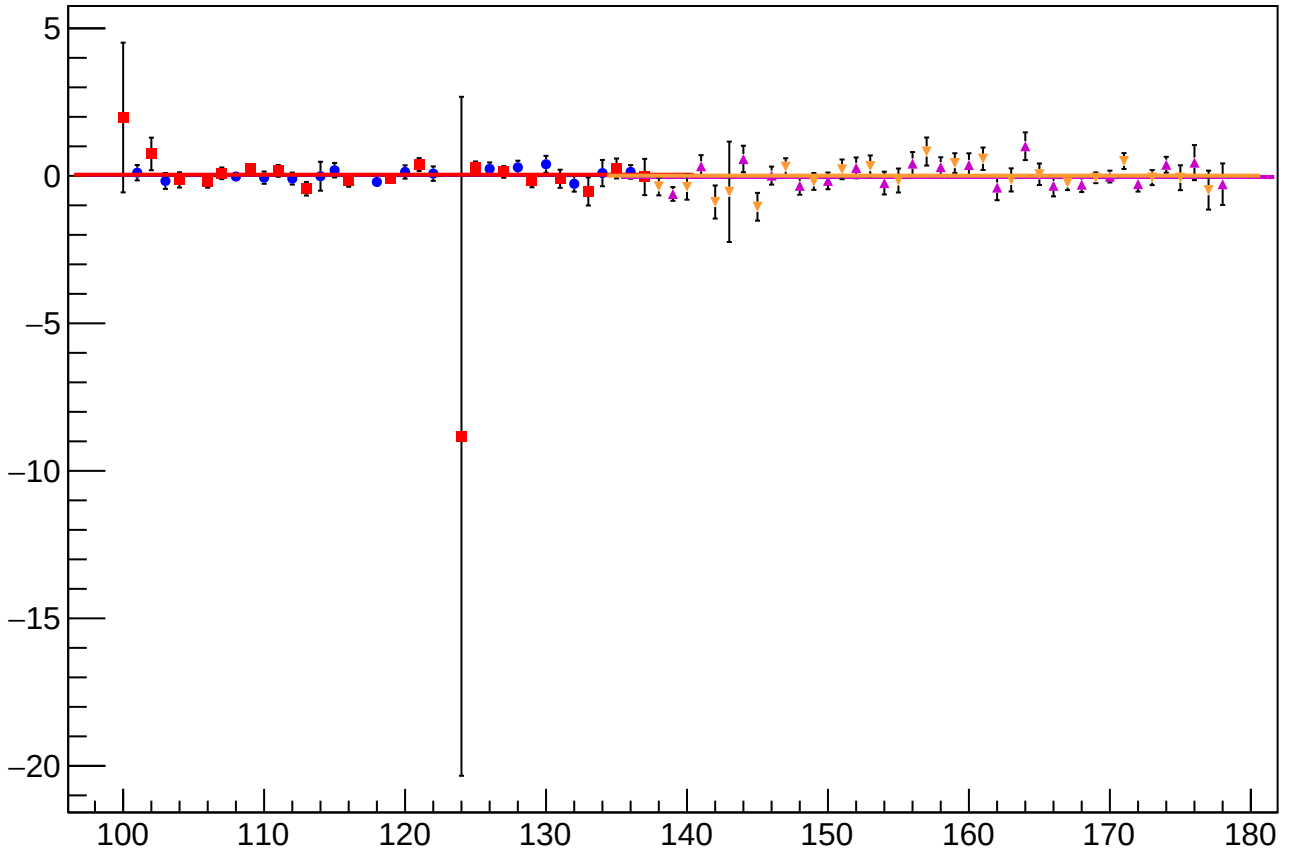
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 275.802+/-0.051 χ^2/NDF:2341728.8/19

+ sign 197.253+/-0.032 χ^2/NDF: 8504402.2/36

All: 191.639+/-0.022 χ^2/NDF: 17402277.1/75

- sign 186.438+/-0.031 χ^2/NDF: 8838588.6/38



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.008+/-0.073 χ^2/NDF:24.8/20

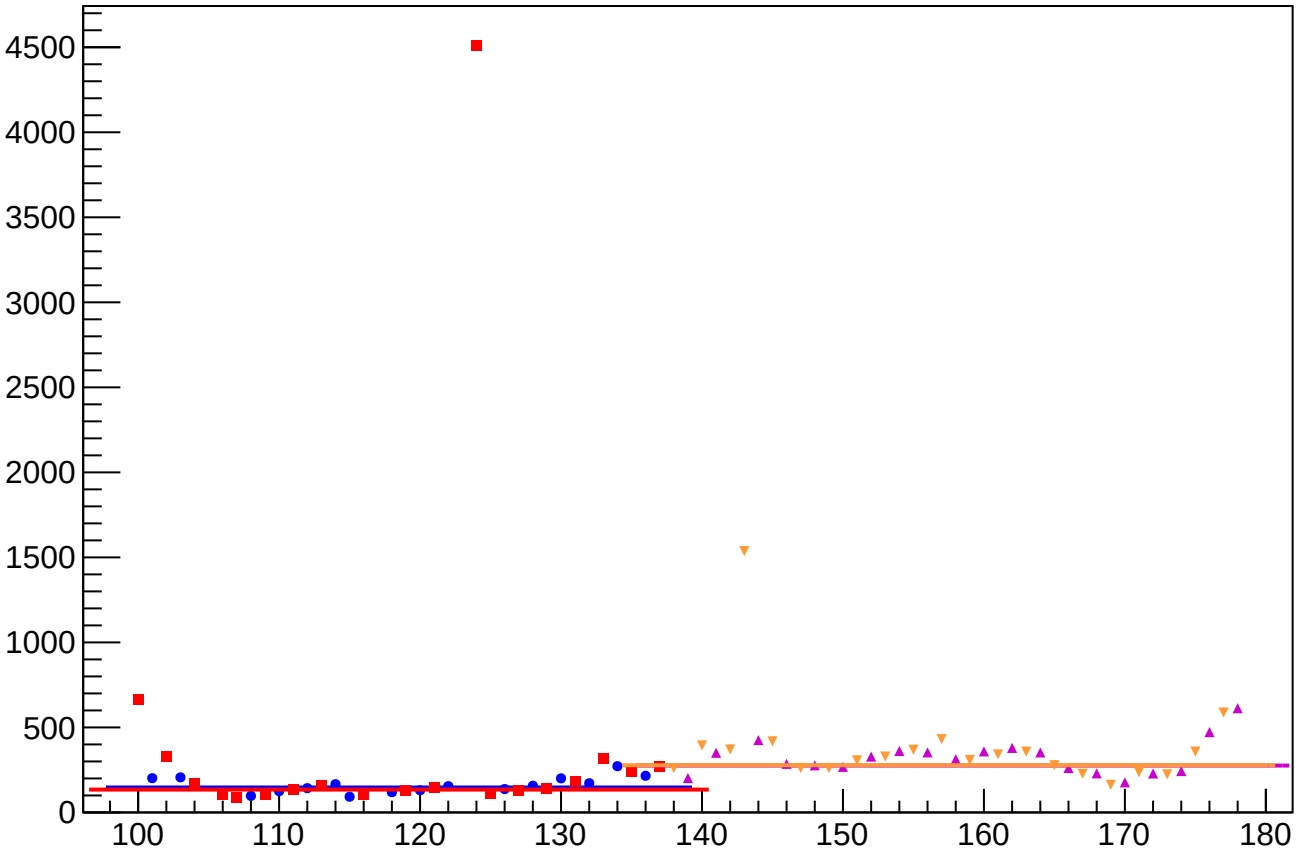
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.040+/-0.072 χ^2/NDF:26.0/19

+ sign 0.020+/-0.045 χ^2/NDF: 34.3/36

All: 0.015+/-0.031 χ^2/NDF: 81.1/75

- sign 0.010+/-0.044 χ^2/NDF: 46.7/38



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 277.862+/-0.052 χ^2/NDF:3536897.0/20

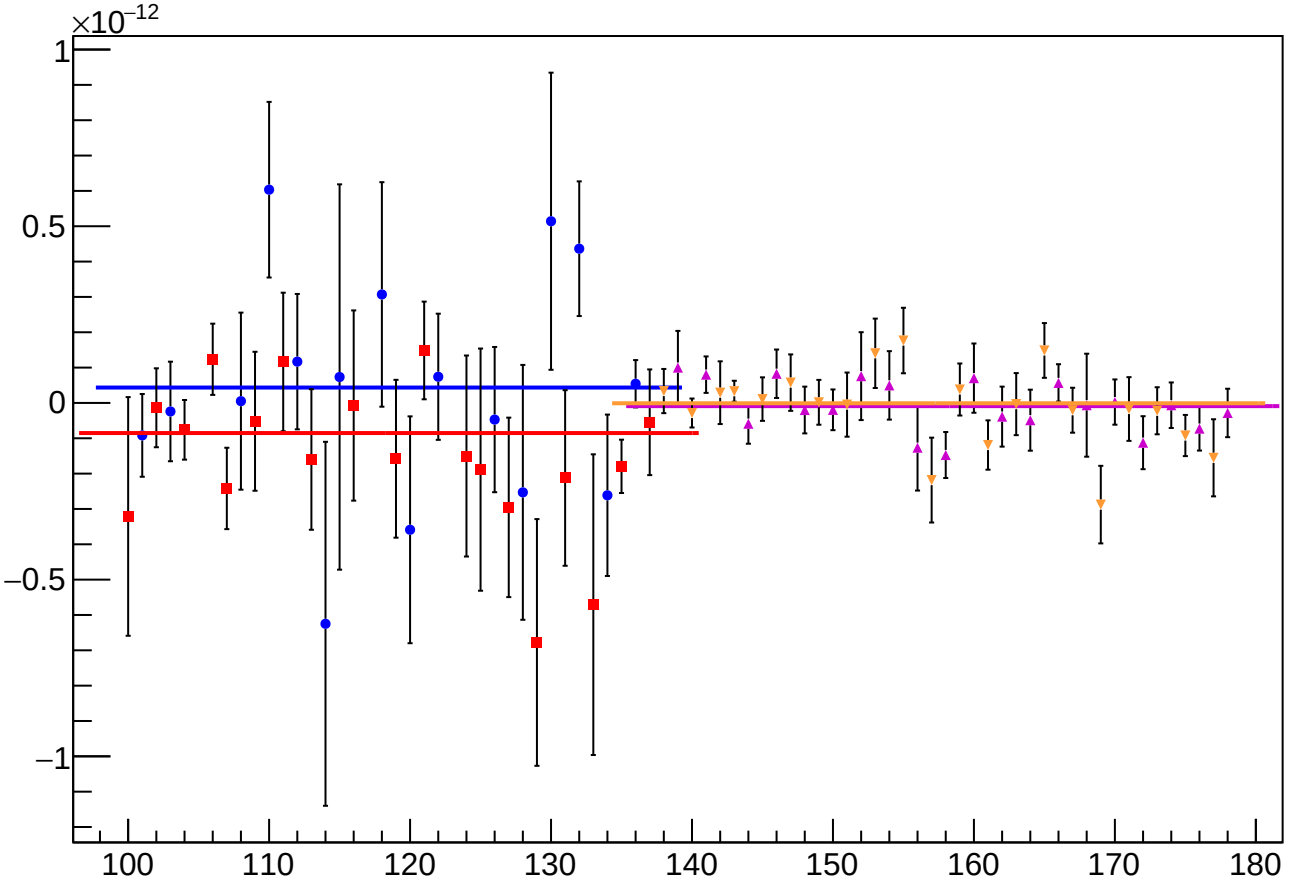
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 275.802+/-0.051 χ^2/NDF:2341728.8/19

+ sign 197.253+/-0.032 χ^2/NDF: 8504402.2/36

All: 191.639+/-0.022 χ^2/NDF: 17402277.1/75

- sign 186.438+/-0.031 χ^2/NDF: 8838588.6/38



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.2/20

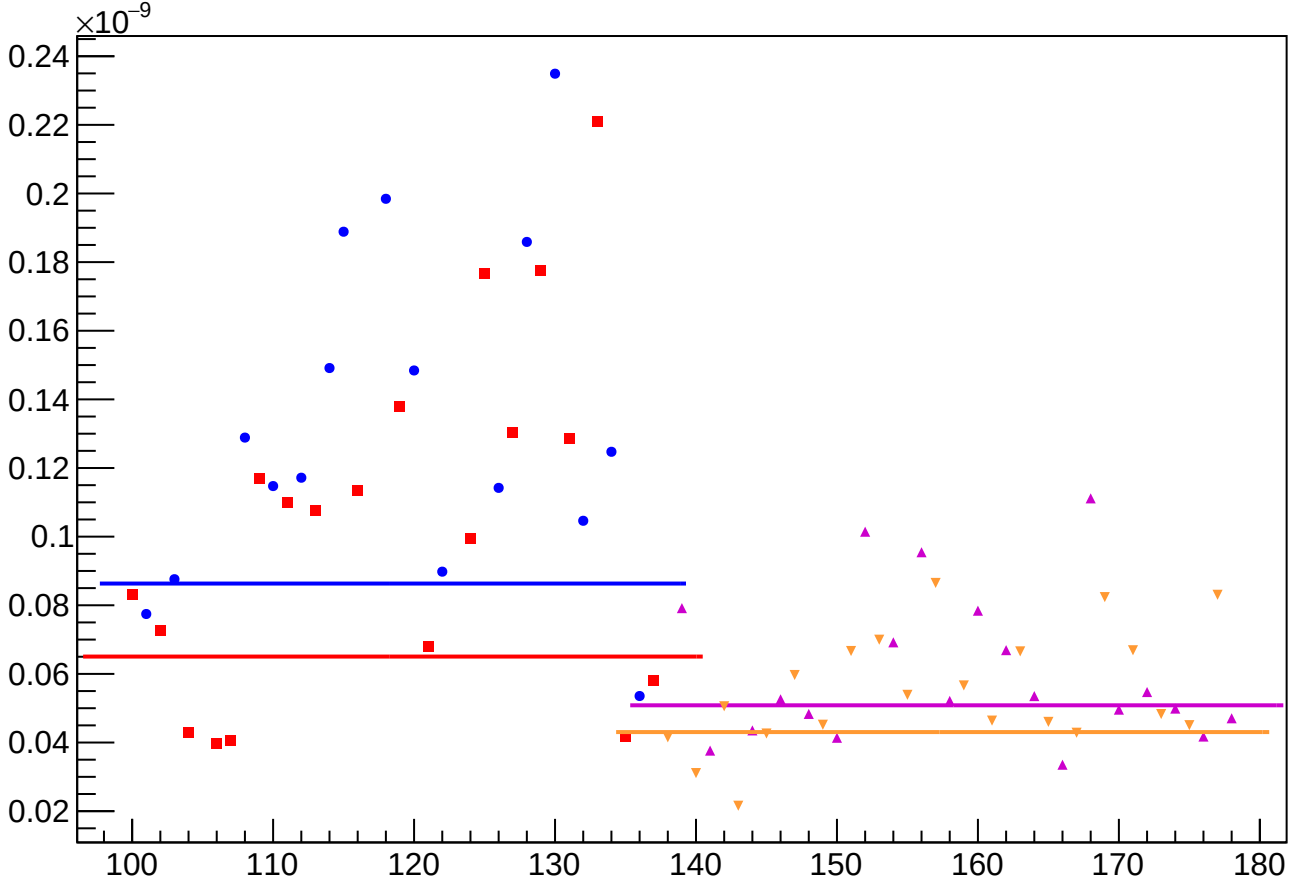
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:18.6/19

+ sign 0.000+/-0.000 χ^2/NDF: 50.1/36

All: -0.000+/-0.000 χ^2/NDF: 92.7/75

- sign -0.000+/-0.000 χ^2/NDF: 40.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2798956.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

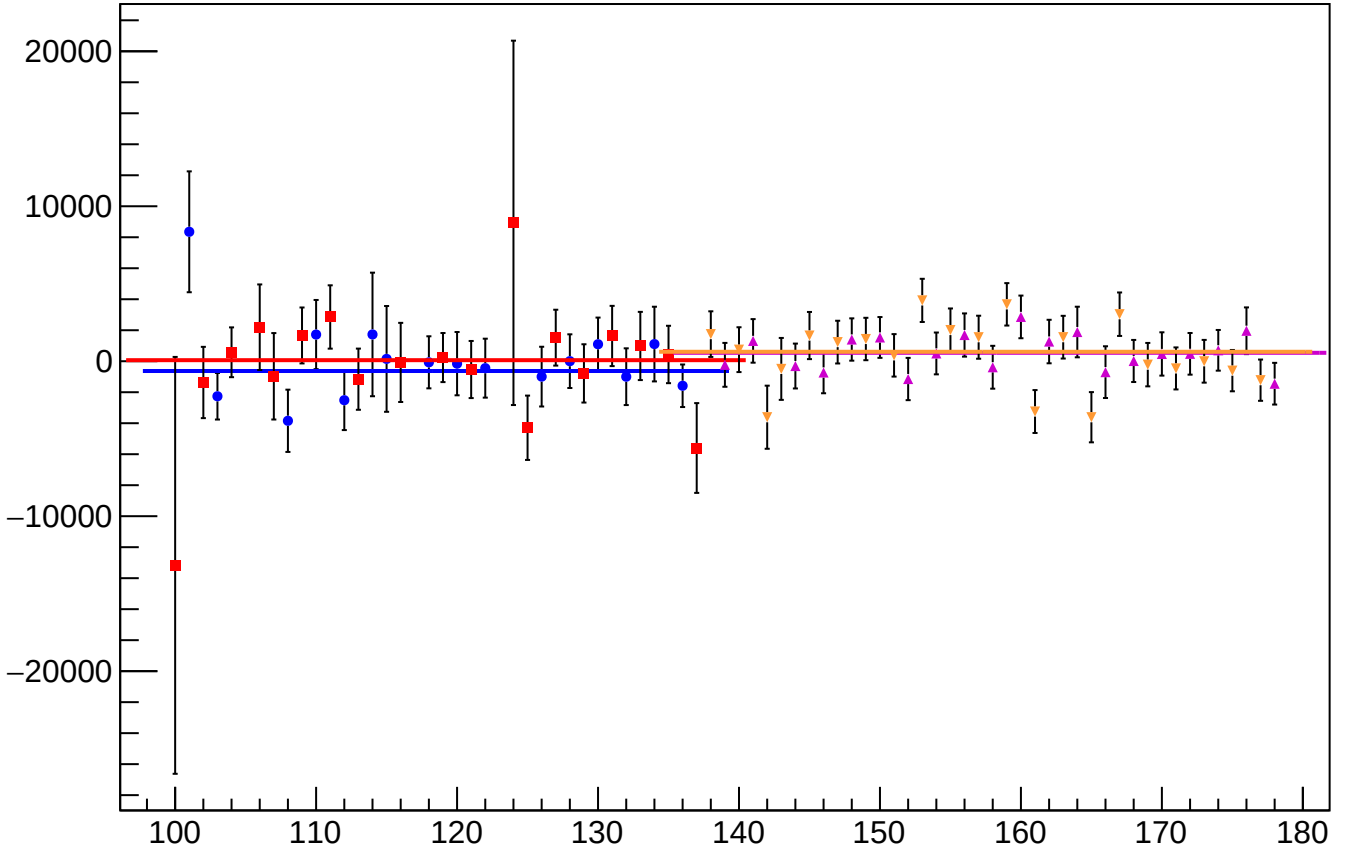
Left In: 0.000+/-0.000 χ^2/NDF:1889080.7/19

+ sign 0.000+/-0.000 χ^2/NDF: 6211291.3/36

All: 0.000+/-0.000 χ^2/NDF: 10727177.2/75

- sign 0.000+/-0.000 χ^2/NDF: 4330615.3/38

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 610.349+/-313.353 χ^2/NDF:40.3/20

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

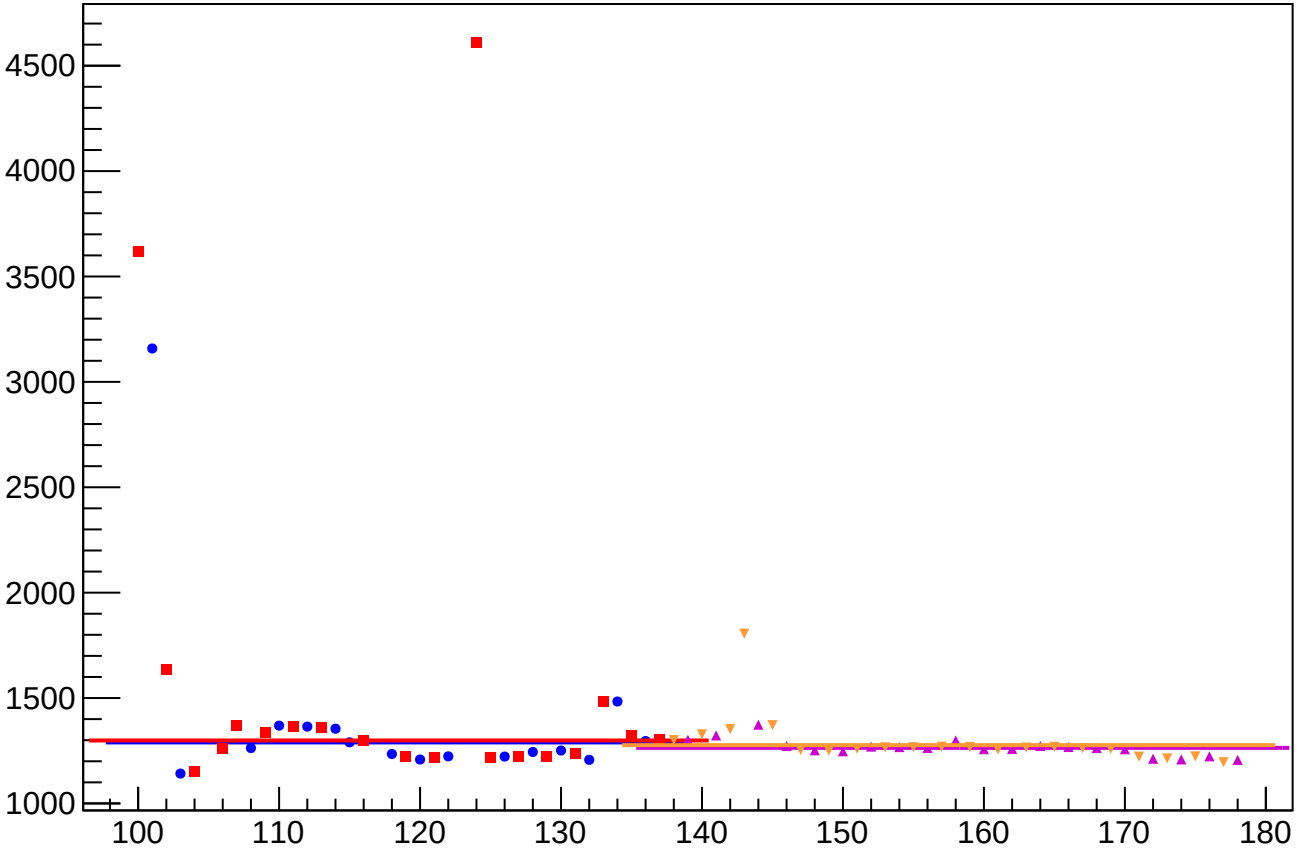
Left In: 543.002+/-312.722 χ^2/NDF:13.1/19

+ sign 248.630+/-263.779 χ^2/NDF: 58.8/36

All: 326.731+/-186.336 χ^2/NDF: 88.6/75

- sign 404.524+/-263.260 χ^2/NDF: 29.6/38

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1276.484+/-0.222 χ^2/NDF:174631.6/20

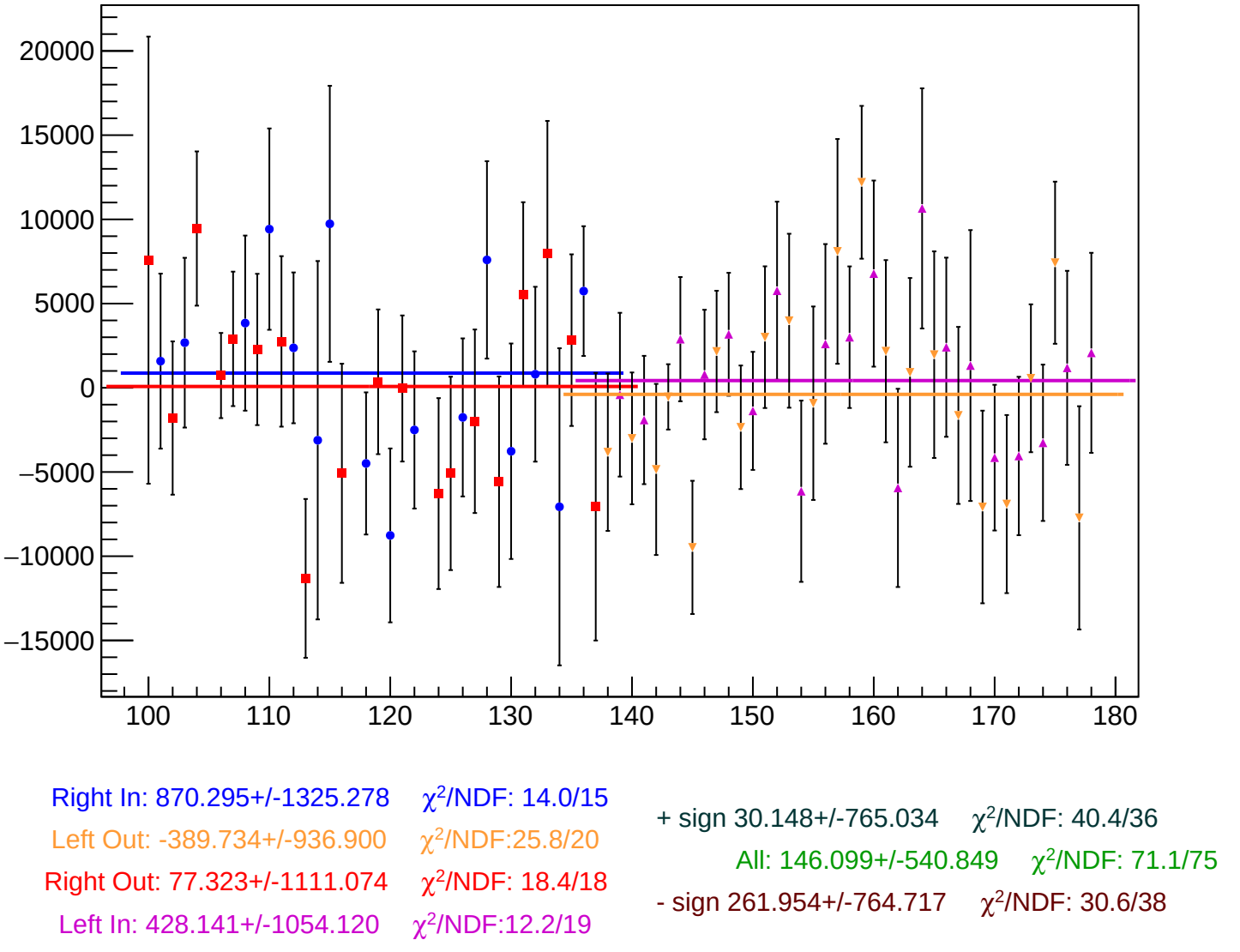
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

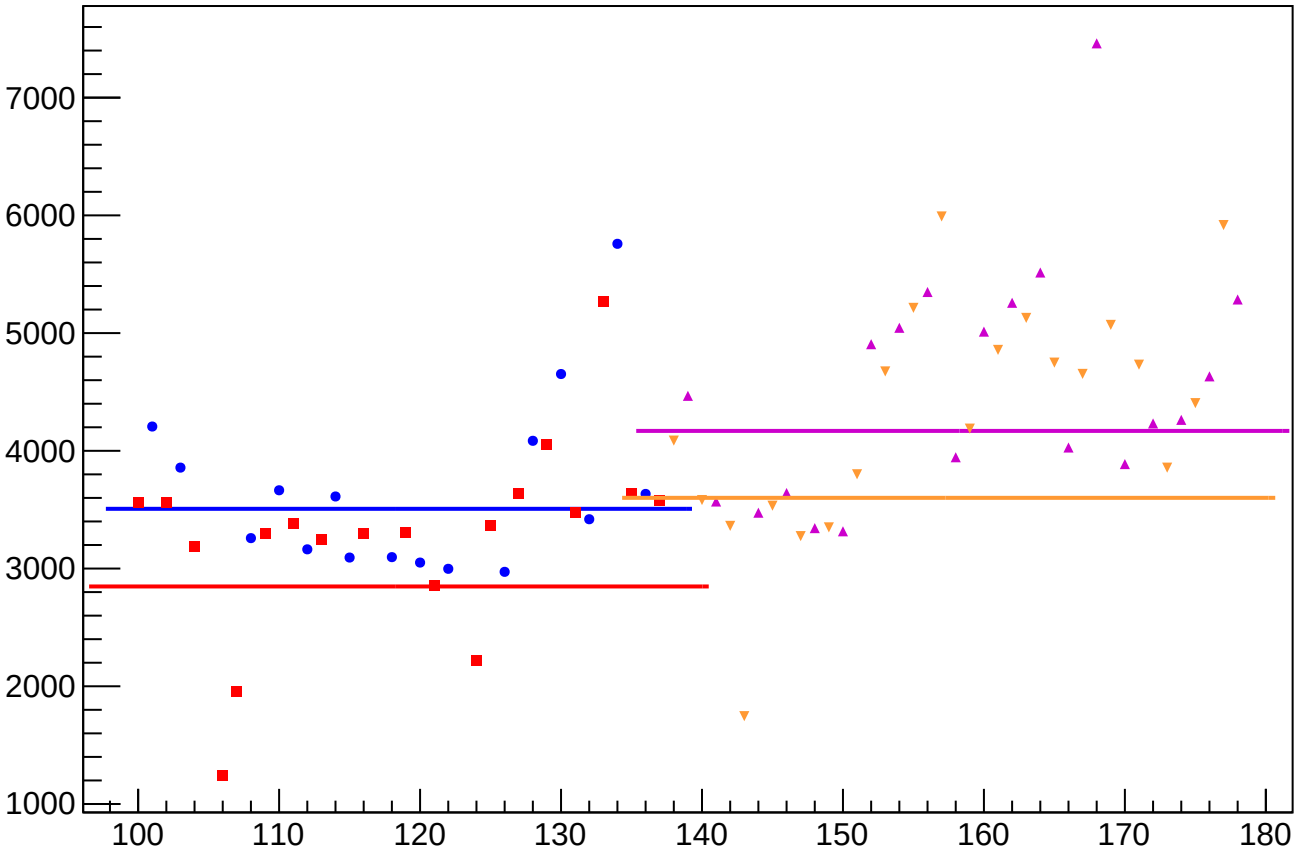
Left In: 1263.728+/-0.221 χ^2/NDF:30050.0/19

+ sign 1280.267+/-0.187 χ^2/NDF: 690306.9/36

All: 1277.095+/-0.132 χ^2/NDF: 1047603.4/75

- sign 1273.941+/-0.186 χ^2/NDF: 356719.8/38


asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -389.734+/-936.900 χ²/NDF:25.8/20
Right Out: 77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: 428.141+/-1054.120 χ²/NDF:12.2/19
+ sign 30.148+/-765.034 χ²/NDF: 40.4/36
All: 146.099+/-540.849 χ²/NDF: 71.1/75
- sign 261.954+/-764.717 χ²/NDF: 30.6/38



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3600.663+/-0.662 χ^2/NDF:3357722.6/20

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

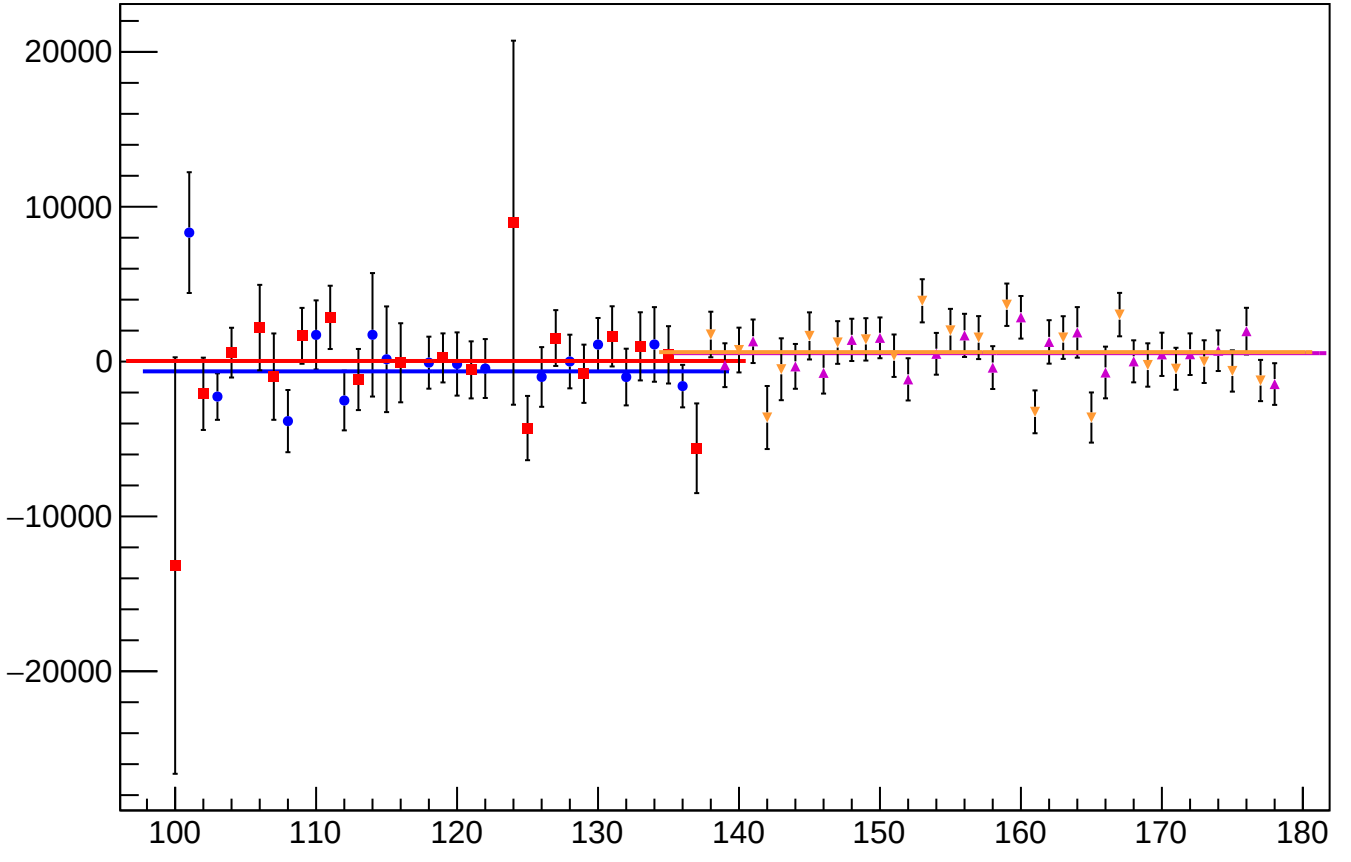
Left In: 4169.150+/-0.745 χ^2/NDF:1179312.4/19

+ sign 3569.584+/-0.541 χ^2/NDF: 3718306.2/36

All: 3556.398+/-0.382 χ^2/NDF: 7886787.1/75

- sign 3543.224+/-0.541 χ^2/NDF: 4167293.2/38

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 610.374+/-313.353 χ^2/NDF:40.3/20

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

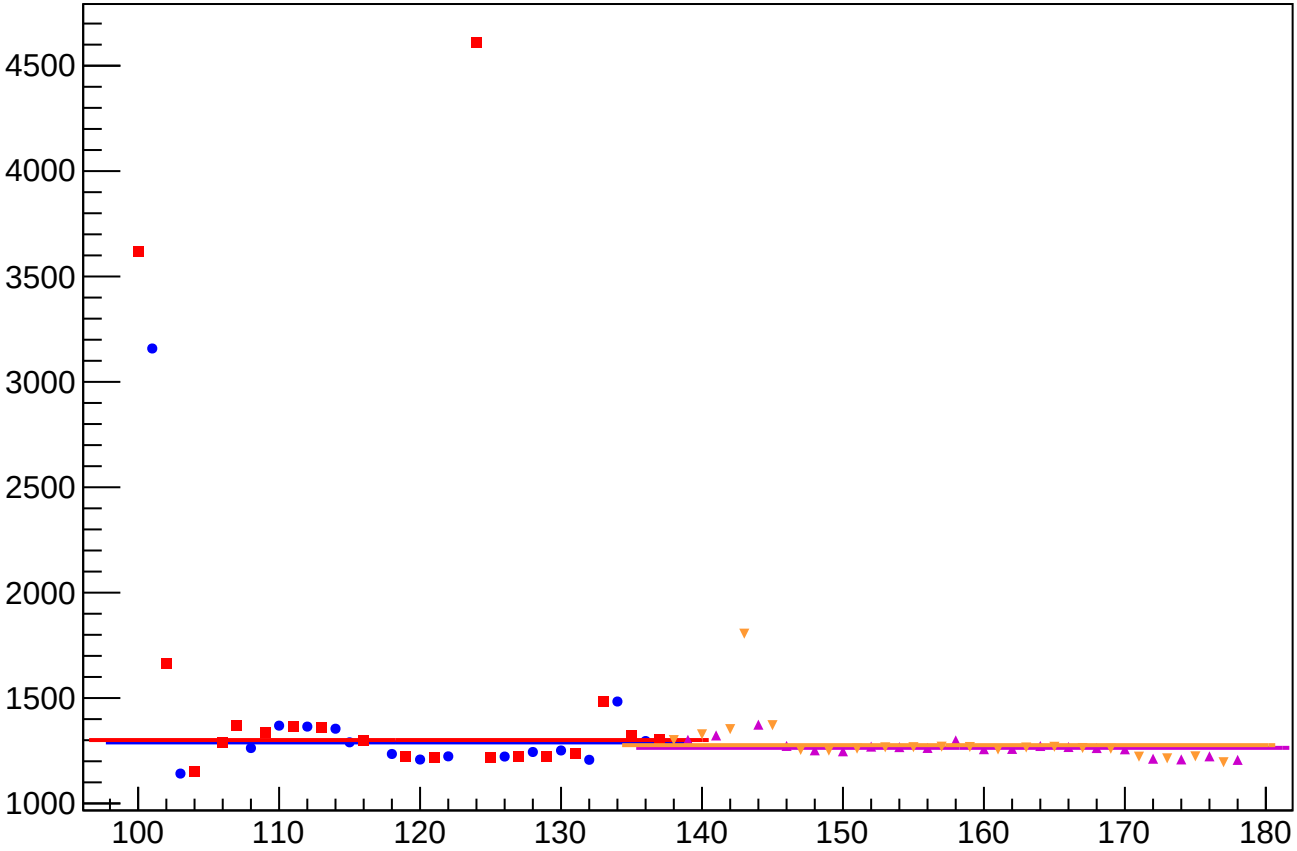
Left In: 542.923+/-312.722 χ^2/NDF:13.1/19

+ sign 248.536+/-263.779 χ^2/NDF: 58.8/36

All: 322.475+/-186.354 χ^2/NDF: 89.1/75

- sign 396.153+/-263.311 χ^2/NDF: 30.1/38

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1276.484+/-0.222 χ^2/NDF:174631.6/20

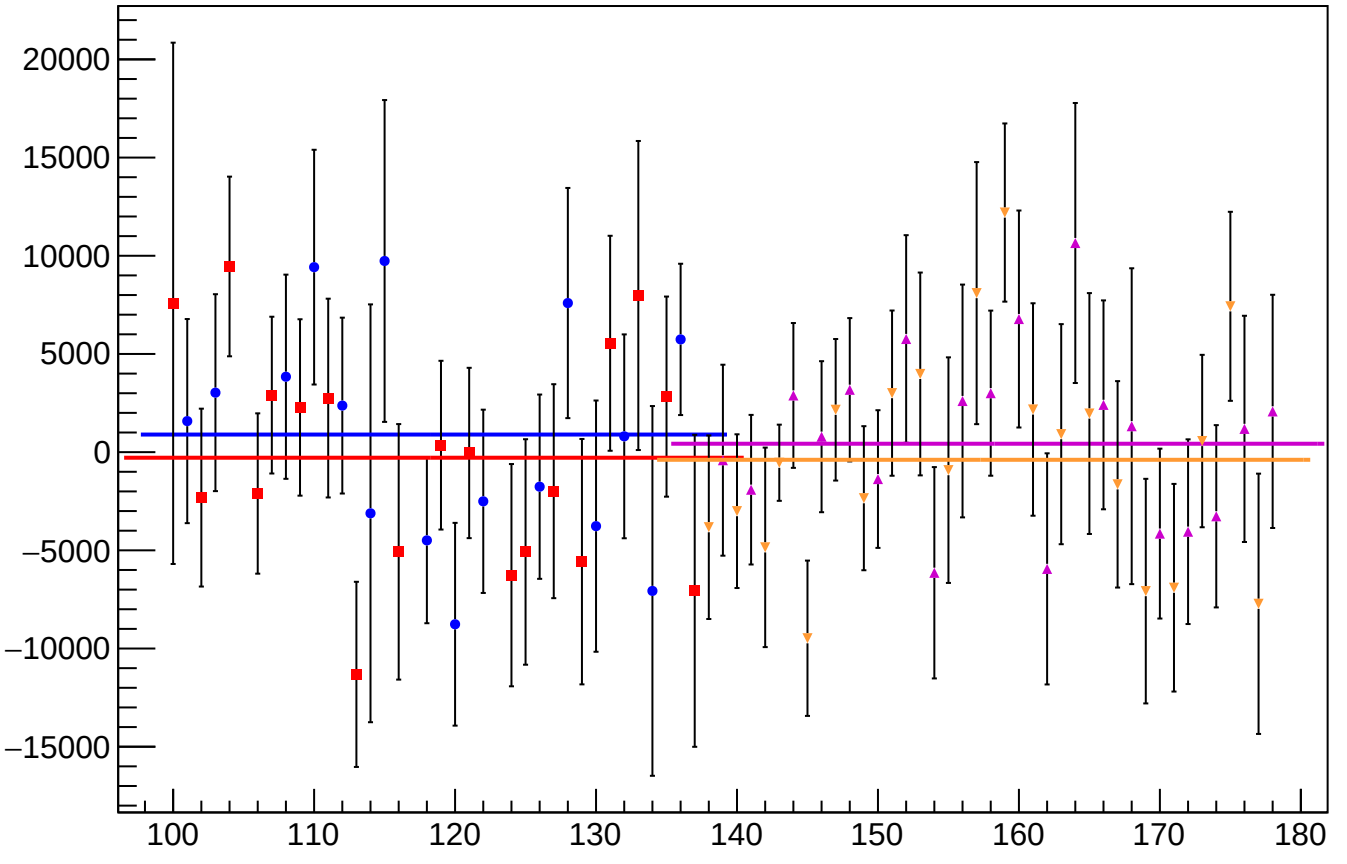
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1263.728+/-0.221 χ^2/NDF:30050.0/19

+ sign 1280.267+/-0.187 χ^2/NDF: 690308.3/36

All: 1277.383+/-0.132 χ^2/NDF: 1054893.4/75

- sign 1274.512+/-0.186 χ^2/NDF: 364107.9/38



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -389.670+/-936.899 χ^2/NDF:25.8/20

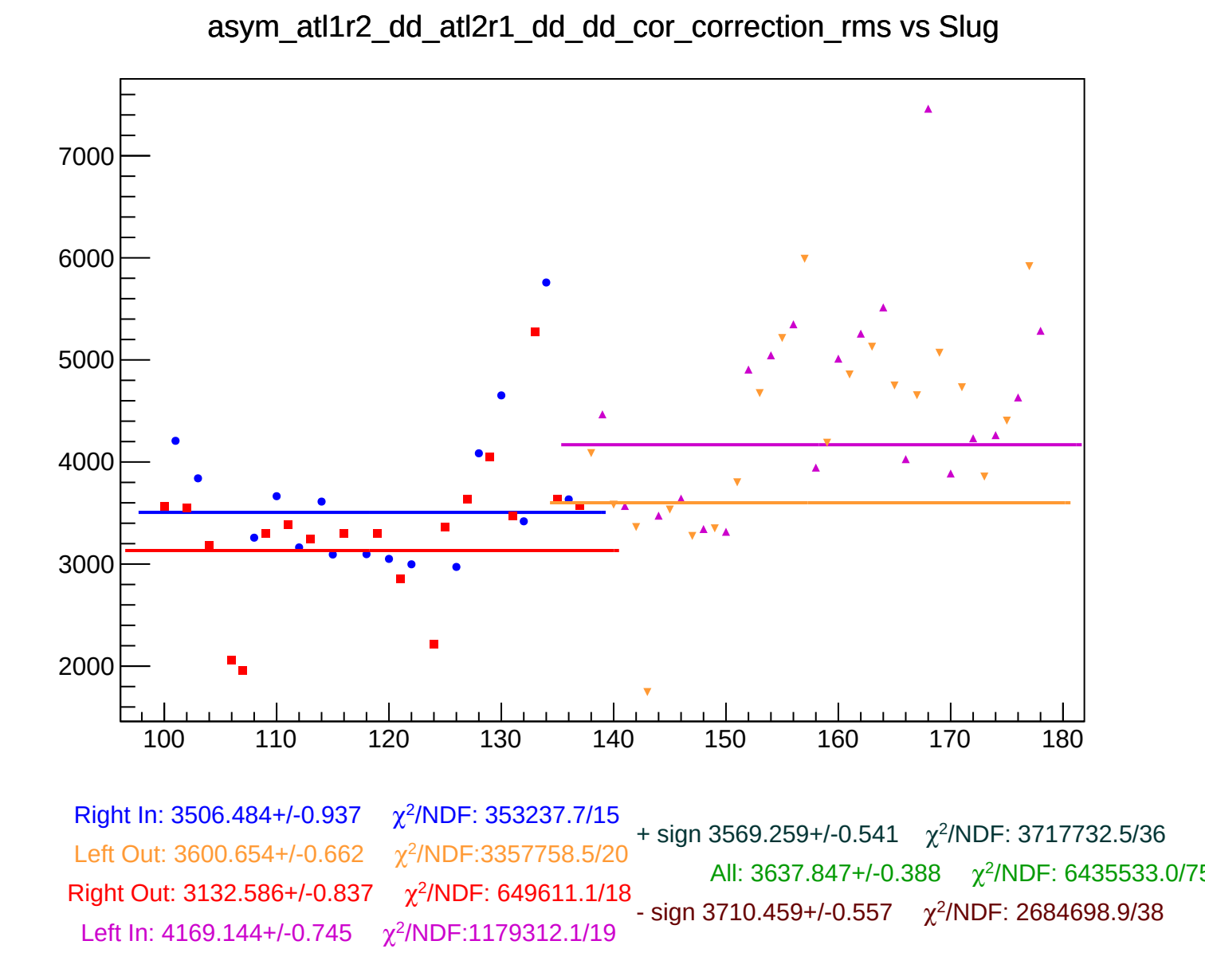
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

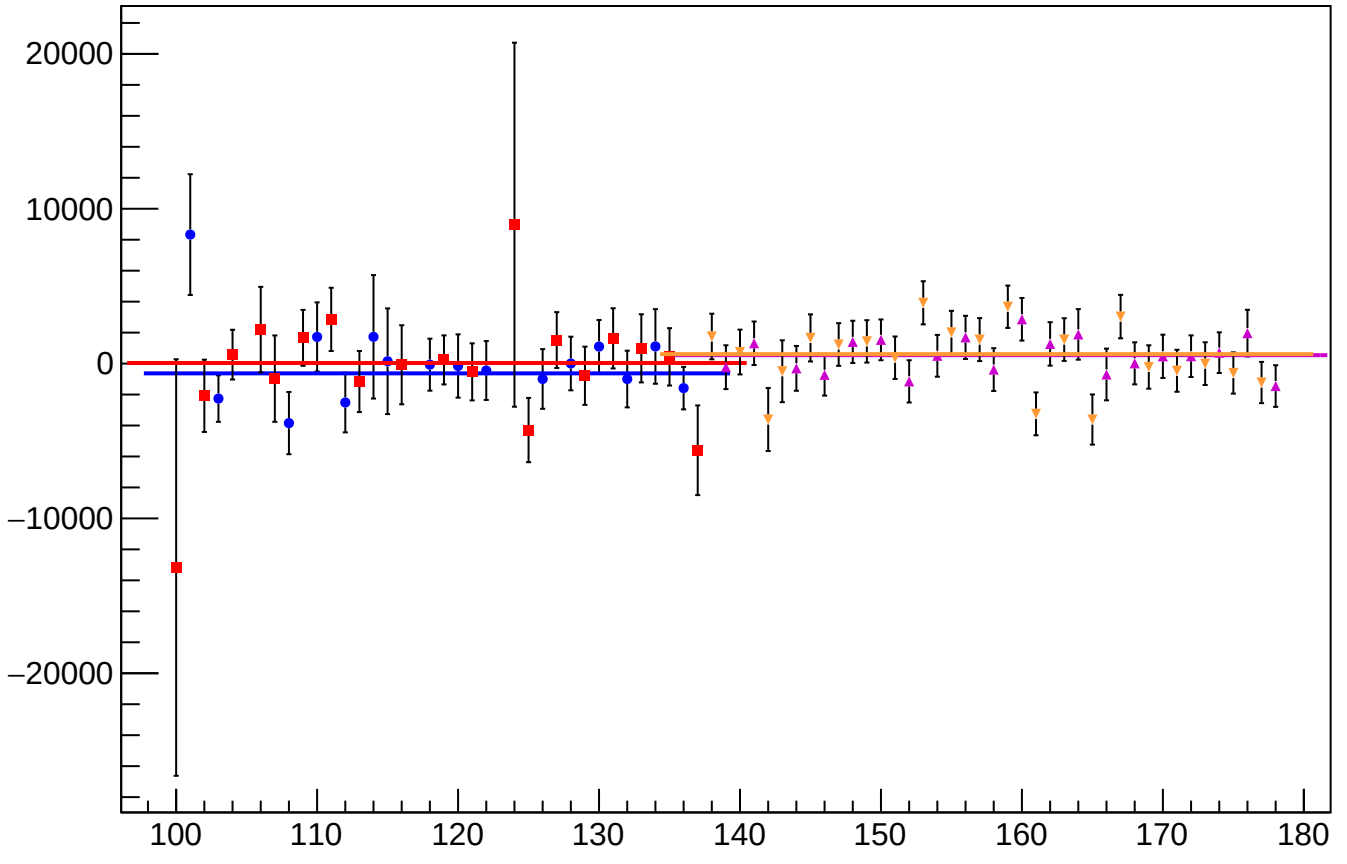
Left In: 428.148+/-1054.118 χ^2/NDF:12.2/19

+ sign 38.958+/-764.945 χ^2/NDF: 40.5/36

All: 74.940+/-548.550 χ^2/NDF: 71.5/75

- sign 113.033+/-787.061 χ^2/NDF: 31.0/38


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs Slug
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
Right In: 3506.484+/-0.937 χ²/NDF: 353237.7/15
Left Out: 3600.654+/-0.662 χ²/NDF:3357758.5/20
Right Out: 3132.586+/-0.837 χ²/NDF: 649611.1/18
Left In: 4169.144+/-0.745 χ²/NDF:1179312.1/19
+ sign 3569.259+/-0.541 χ²/NDF: 3717732.5/36
All: 3637.847+/-0.388 χ²/NDF: 6435533.0/75
- sign 3710.459+/-0.557 χ²/NDF: 2684698.9/38



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 610.374+/-313.353 χ^2/NDF:40.3/20

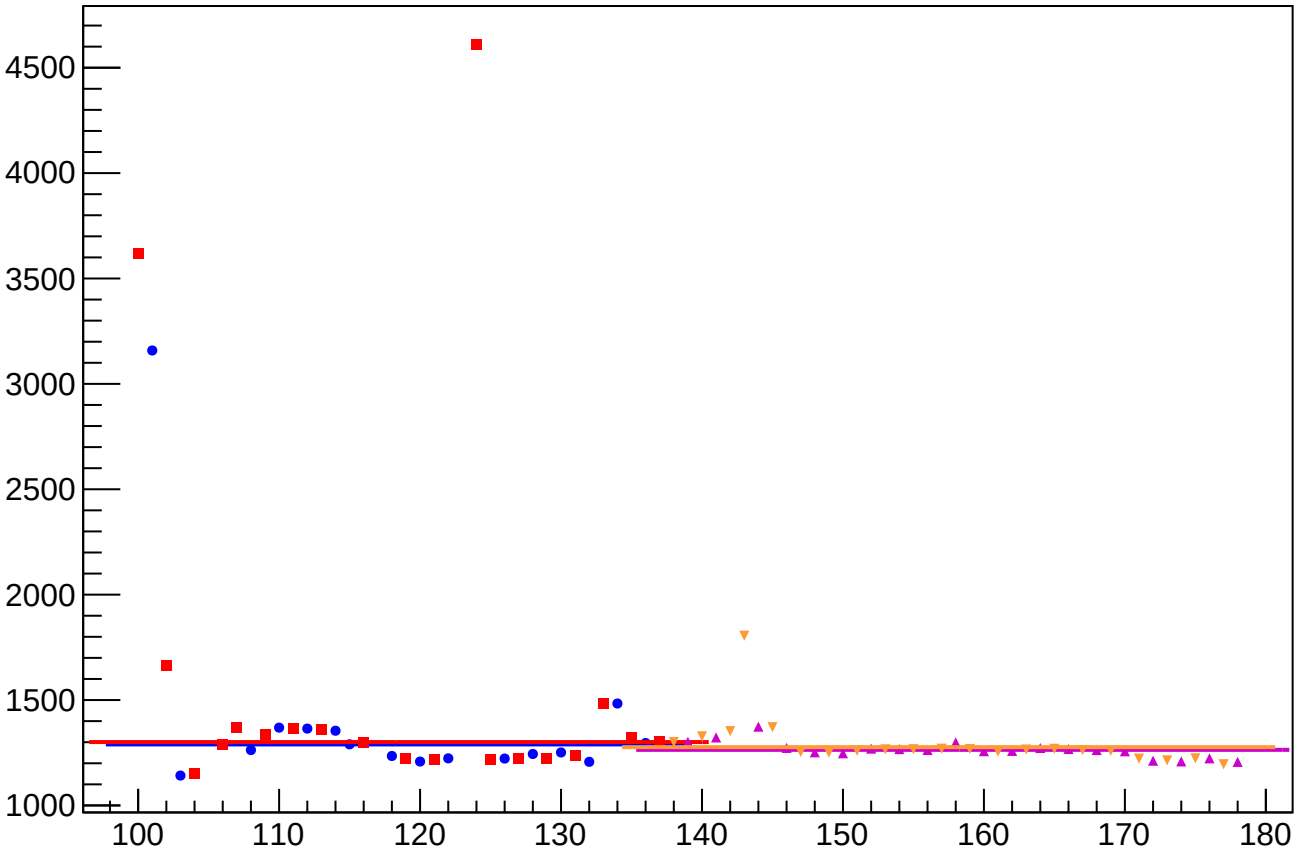
Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: 542.923+/-312.722 χ^2/NDF:13.1/19

+ sign 248.536+/-263.779 χ^2/NDF: 58.8/36

All: 322.475+/-186.354 χ^2/NDF: 89.1/75

- sign 396.153+/-263.311 χ^2/NDF: 30.1/38



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1276.484+/-0.222 χ^2/NDF:174631.6/20

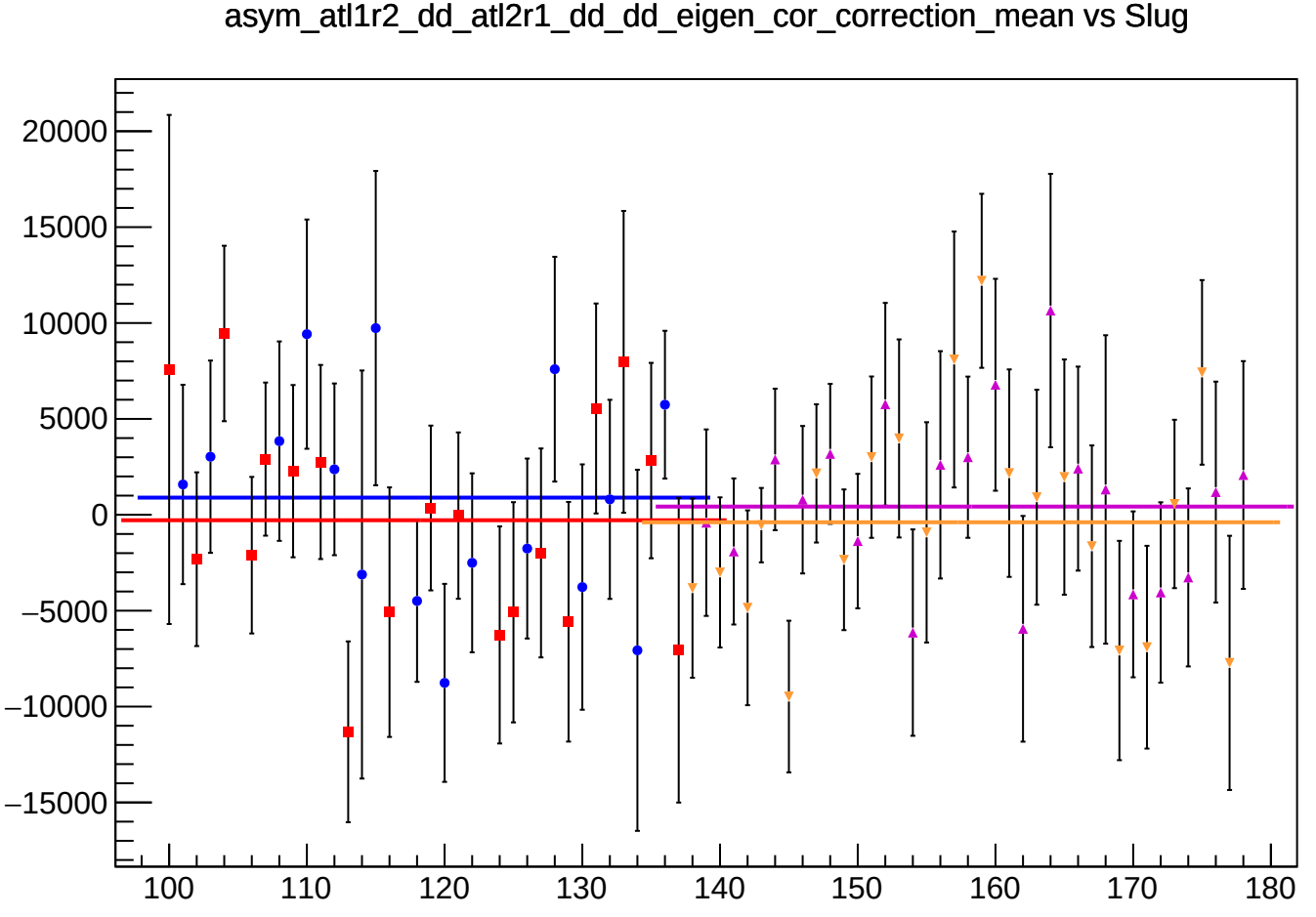
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1263.728+/-0.221 χ^2/NDF:30050.0/19

+ sign 1280.267+/-0.187 χ^2/NDF: 690308.3/36

All: 1277.383+/-0.132 χ^2/NDF: 1054893.4/75

- sign 1274.512+/-0.186 χ^2/NDF: 364107.9/38



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -389.670+/-936.899 χ^2/NDF:25.8/20

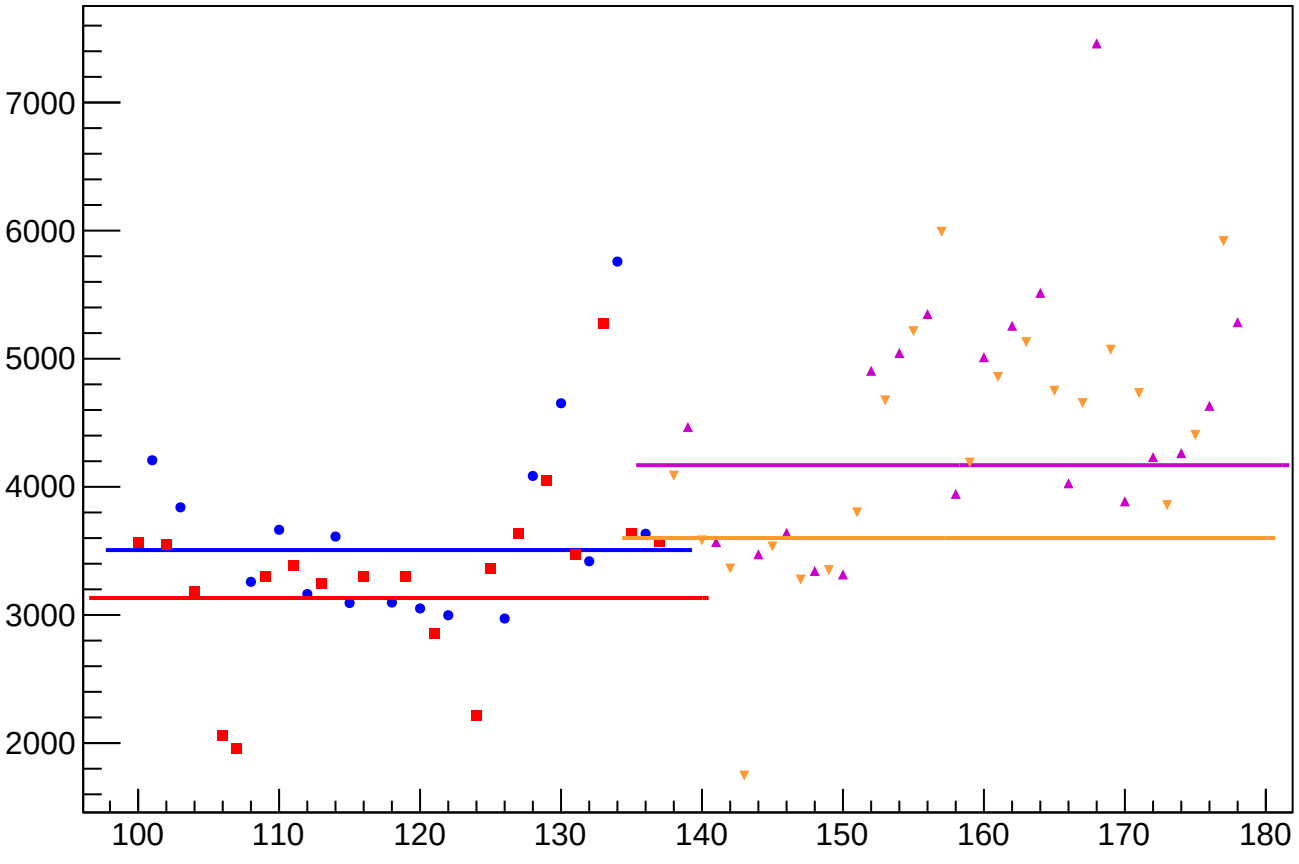
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 428.148+/-1054.118 χ^2/NDF:12.2/19

+ sign 38.958+/-764.945 χ^2/NDF: 40.5/36

All: 74.940+/-548.550 χ^2/NDF: 71.5/75

- sign 113.033+/-787.061 χ^2/NDF: 31.0/38



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3600.654+/-0.662 χ^2/NDF:3357758.5/20

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

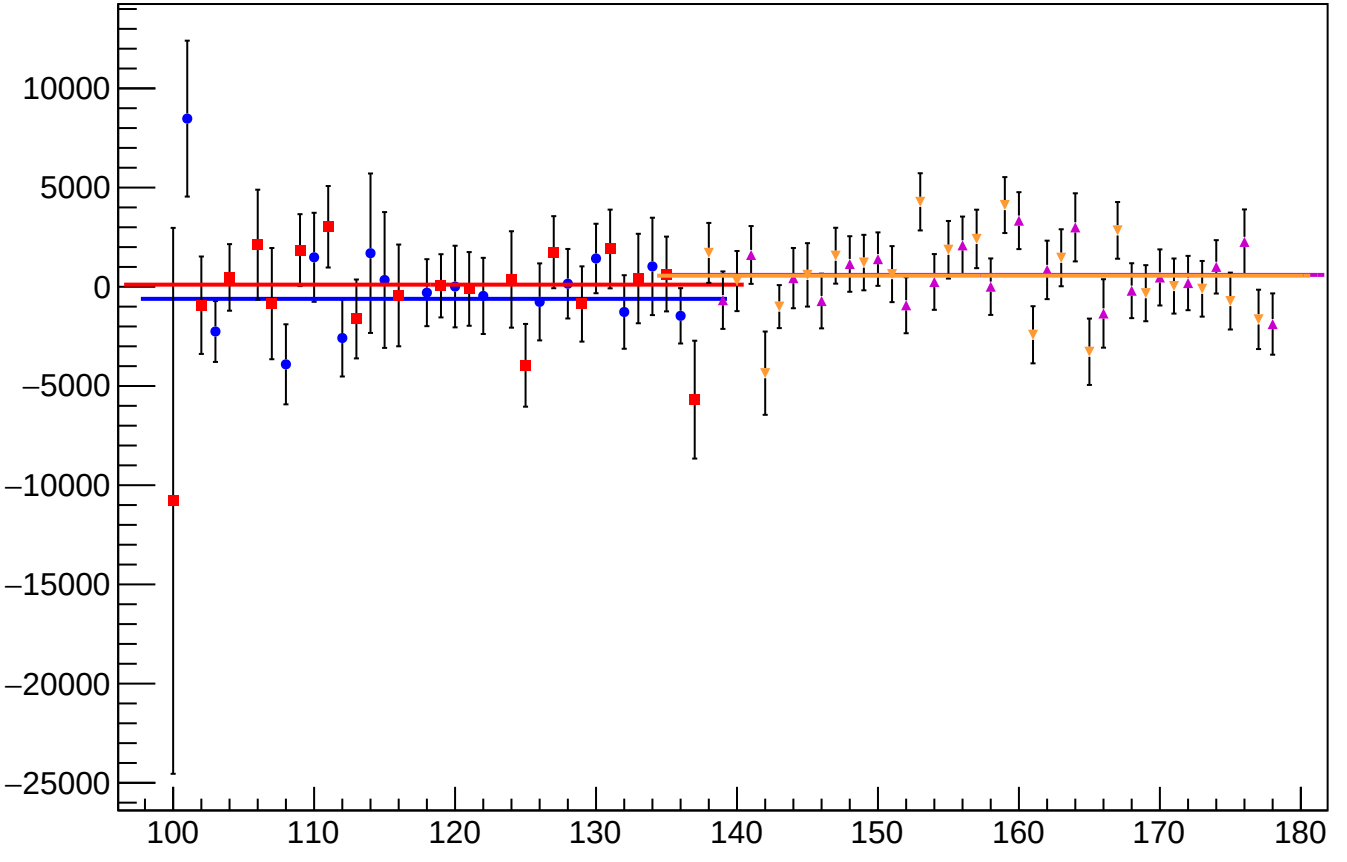
Left In: 4169.144+/-0.745 χ^2/NDF:1179312.1/19

+ sign 3569.259+/-0.541 χ^2/NDF: 3717732.5/36

All: 3637.847+/-0.388 χ^2/NDF: 6435533.0/75

- sign 3710.459+/-0.557 χ^2/NDF: 2684698.9/38

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 559.036+/-315.347 χ^2/NDF:40.5/20

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

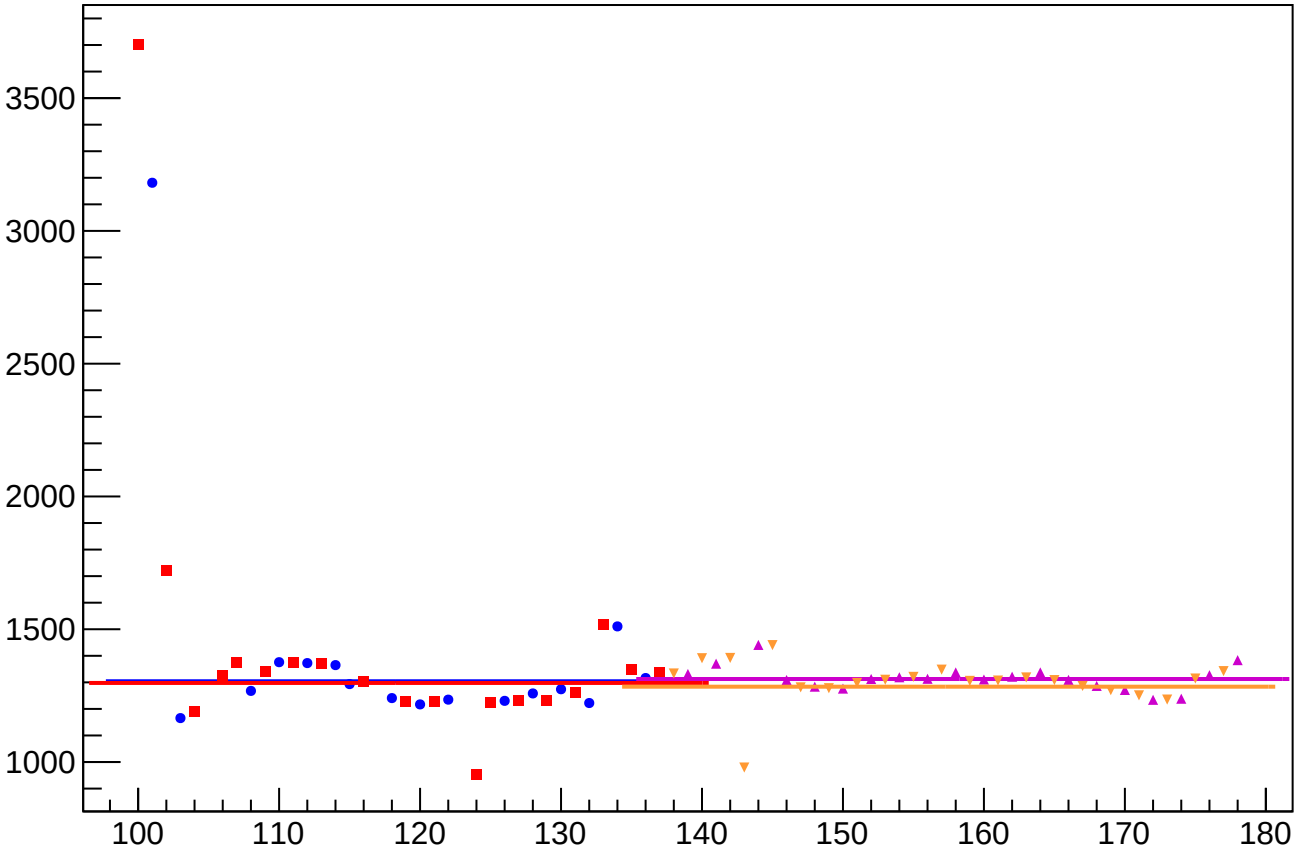
Left In: 599.425+/-324.930 χ^2/NDF:16.2/19

+ sign 221.384+/-265.834 χ^2/NDF: 58.6/36

All: 332.722+/-189.443 χ^2/NDF: 90.7/75

- sign 447.614+/-270.042 χ^2/NDF: 31.7/38

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1283.699+/-0.223 χ^2/NDF:210710.5/20

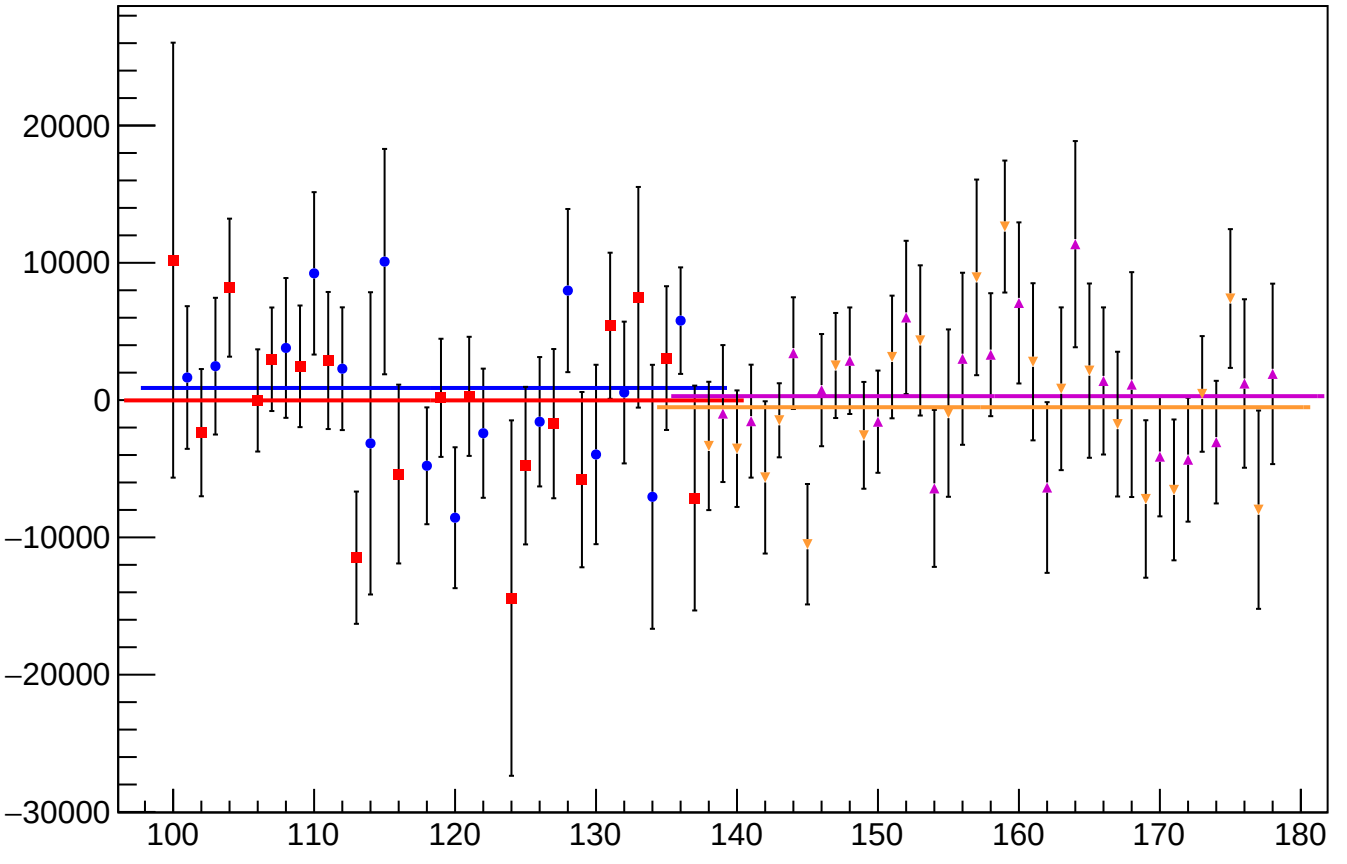
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1312.637+/-0.230 χ^2/NDF:40645.3/19

+ sign 1289.603+/-0.188 χ^2/NDF: 723722.7/36

All: 1298.680+/-0.134 χ^2/NDF: 983493.4/75

- sign 1308.042+/-0.191 χ^2/NDF: 255034.0/38



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -517.647+/-1034.802 χ^2/NDF:25.6/20

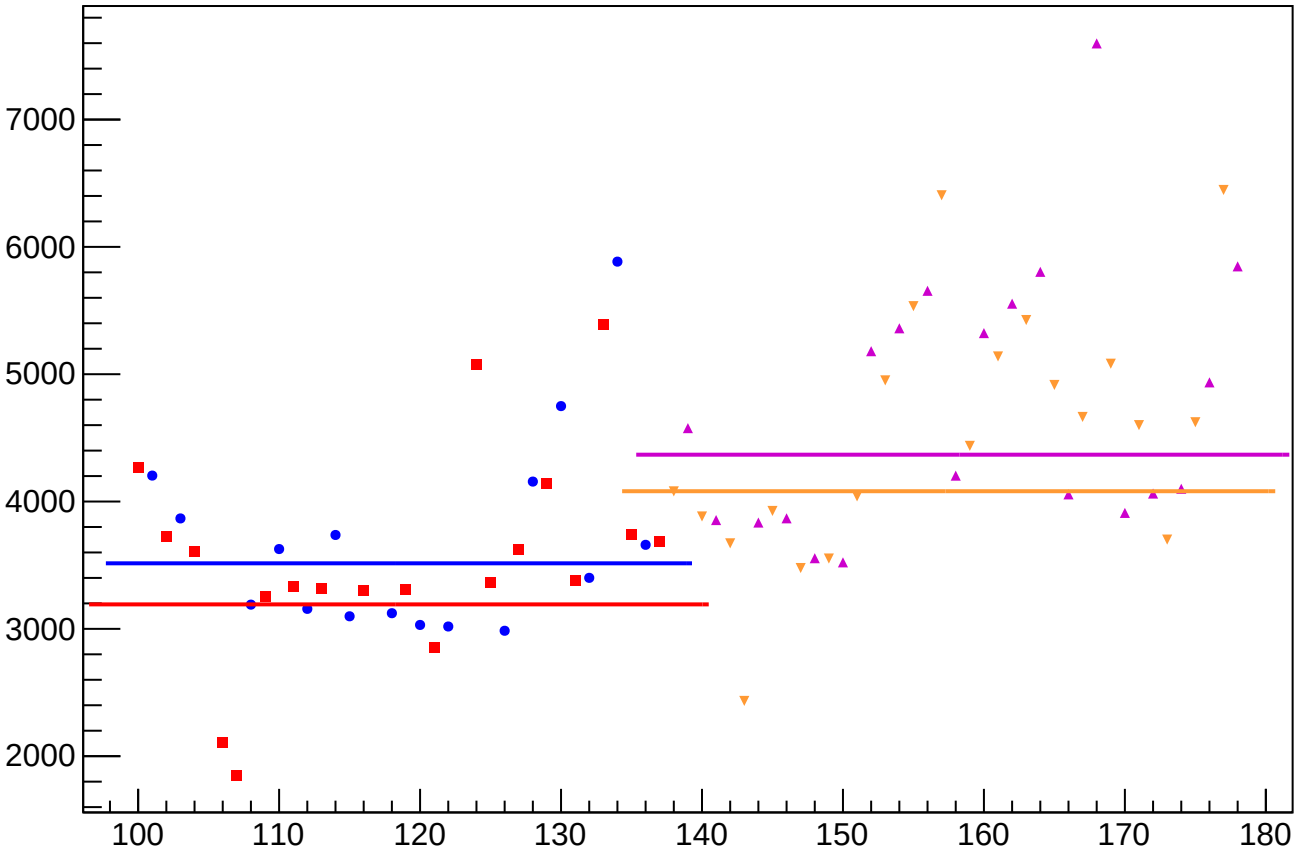
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 287.074+/-1104.132 χ^2/NDF:12.1/19

+ sign 12.205+/-816.114 χ^2/NDF: 40.4/36

All: 79.388+/-575.807 χ^2/NDF: 69.3/75

- sign 145.981+/-812.525 χ^2/NDF: 28.9/38



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4081.017+/-0.732 χ^2/NDF:1803960.9/20

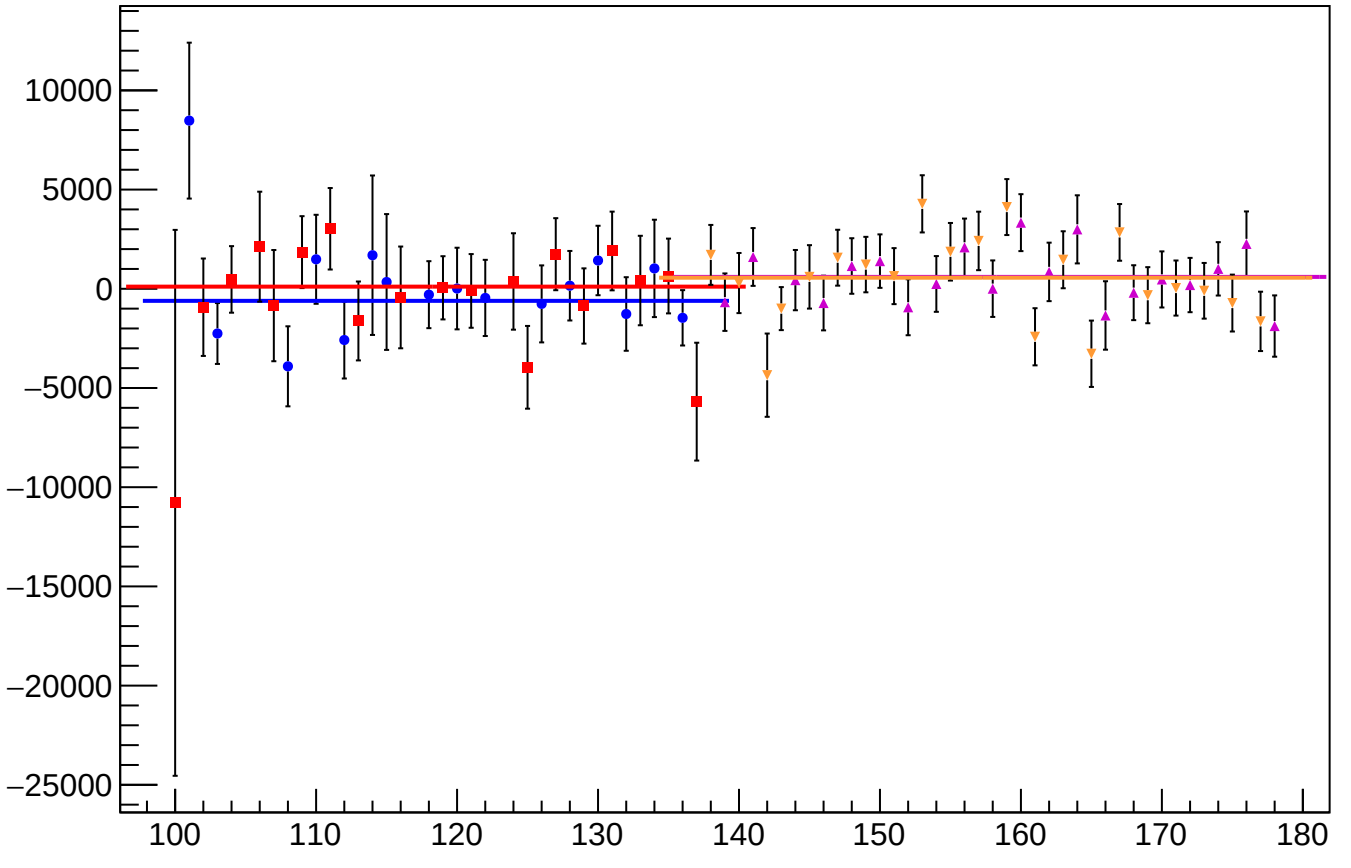
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4367.880+/-0.781 χ^2/NDF:1153249.4/19

+ sign 3866.963+/-0.577 χ^2/NDF: 2405432.3/36

All: 3847.838+/-0.407 χ^2/NDF: 5372958.0/75

- sign 3828.880+/-0.575 χ^2/NDF: 2965338.6/38



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 559.039+/-315.347 χ^2/NDF:40.5/20

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

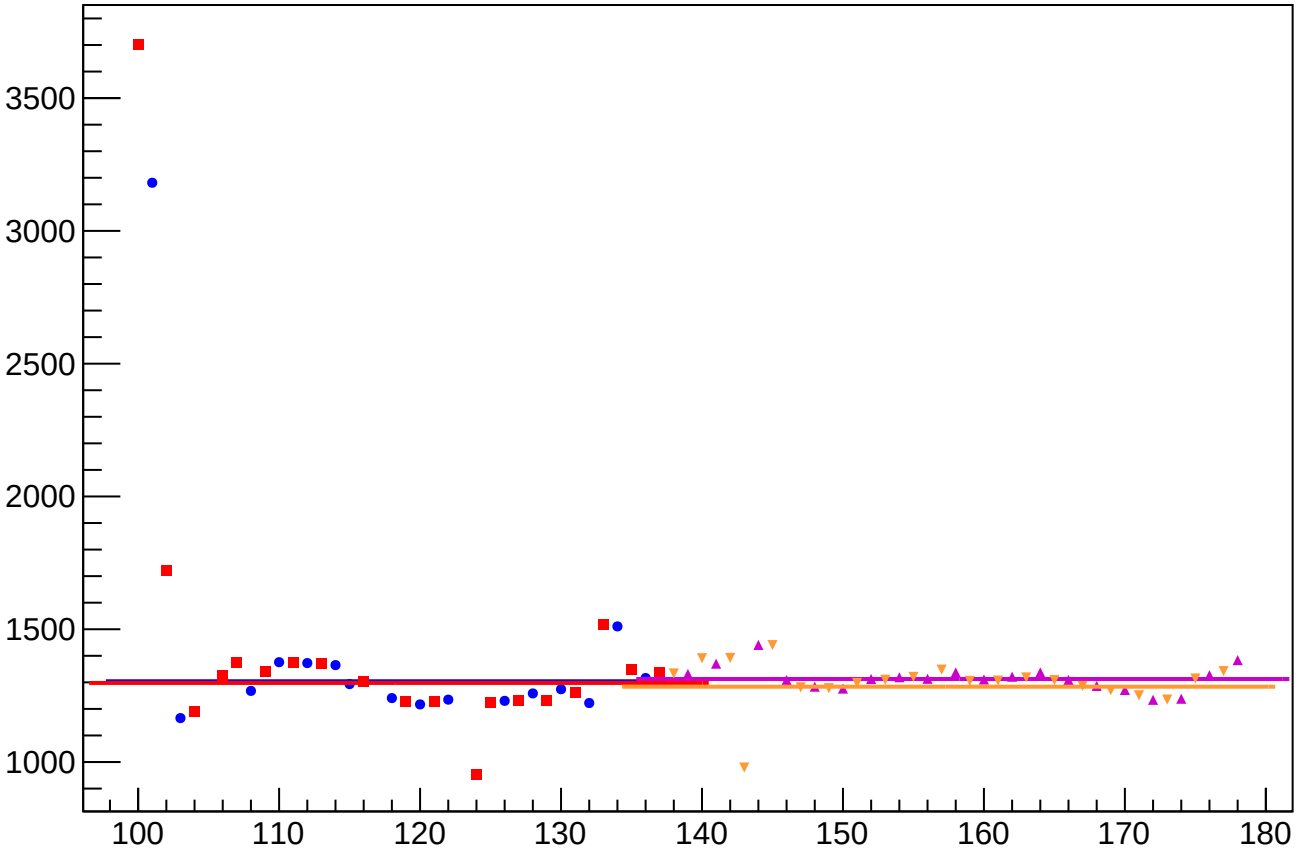
Left In: 599.428+/-324.930 χ^2/NDF:16.2/19

\+ sign 221.385+/-265.834 χ^2/NDF: 58.6/36

All: 332.724+/-189.444 χ^2/NDF: 90.7/75

\- sign 447.616+/-270.042 χ^2/NDF: 31.7/38

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: 1283.700+/-0.223 χ^2/NDF:210712.2/20

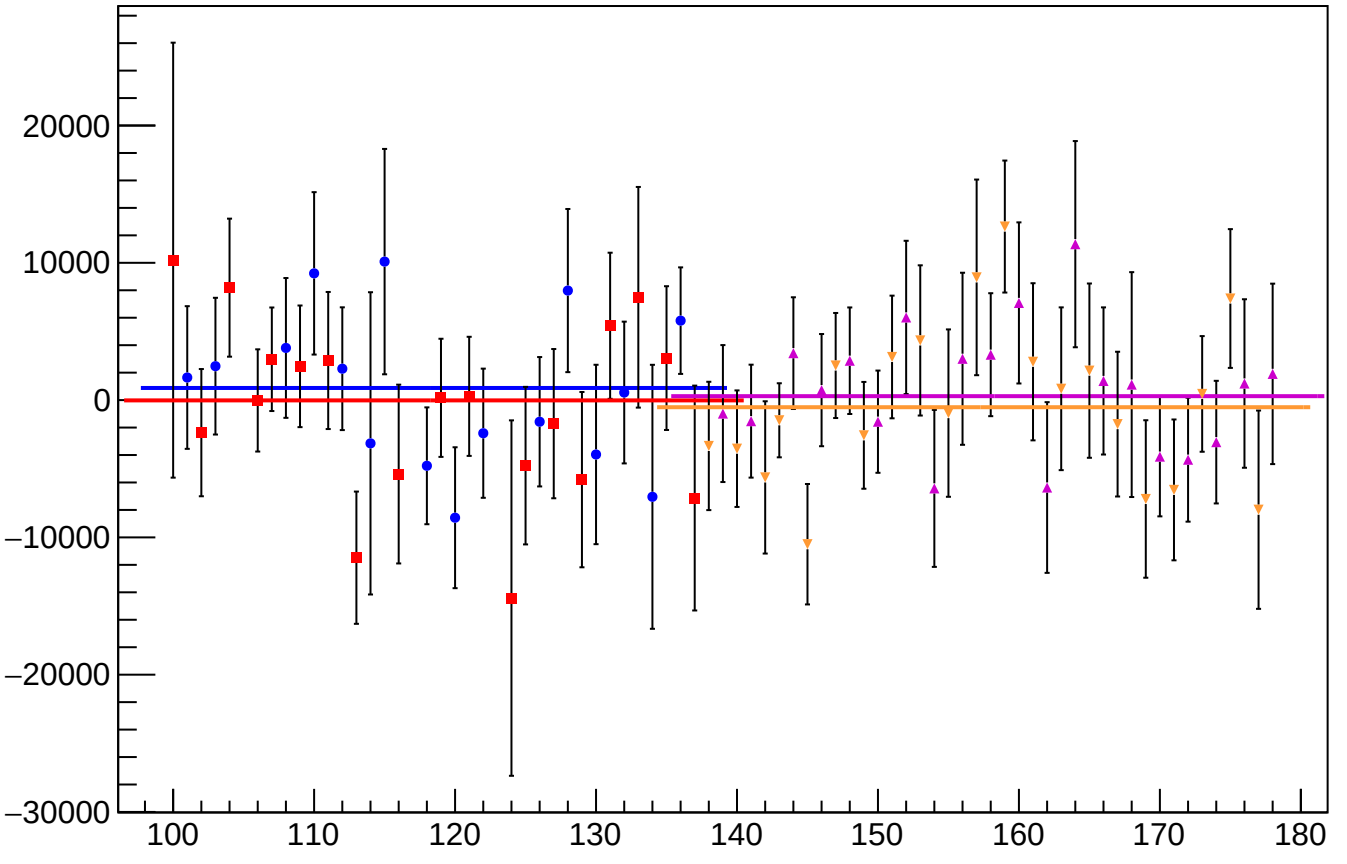
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1312.638+/-0.230 χ^2/NDF:40647.2/19

+ sign 1289.603+/-0.188 χ^2/NDF: 723724.3/36

All: 1298.680+/-0.134 χ^2/NDF: 983497.2/75

- sign 1308.042+/-0.191 χ^2/NDF: 255036.2/38



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -517.645+/-1034.804 χ^2/NDF:25.6/20

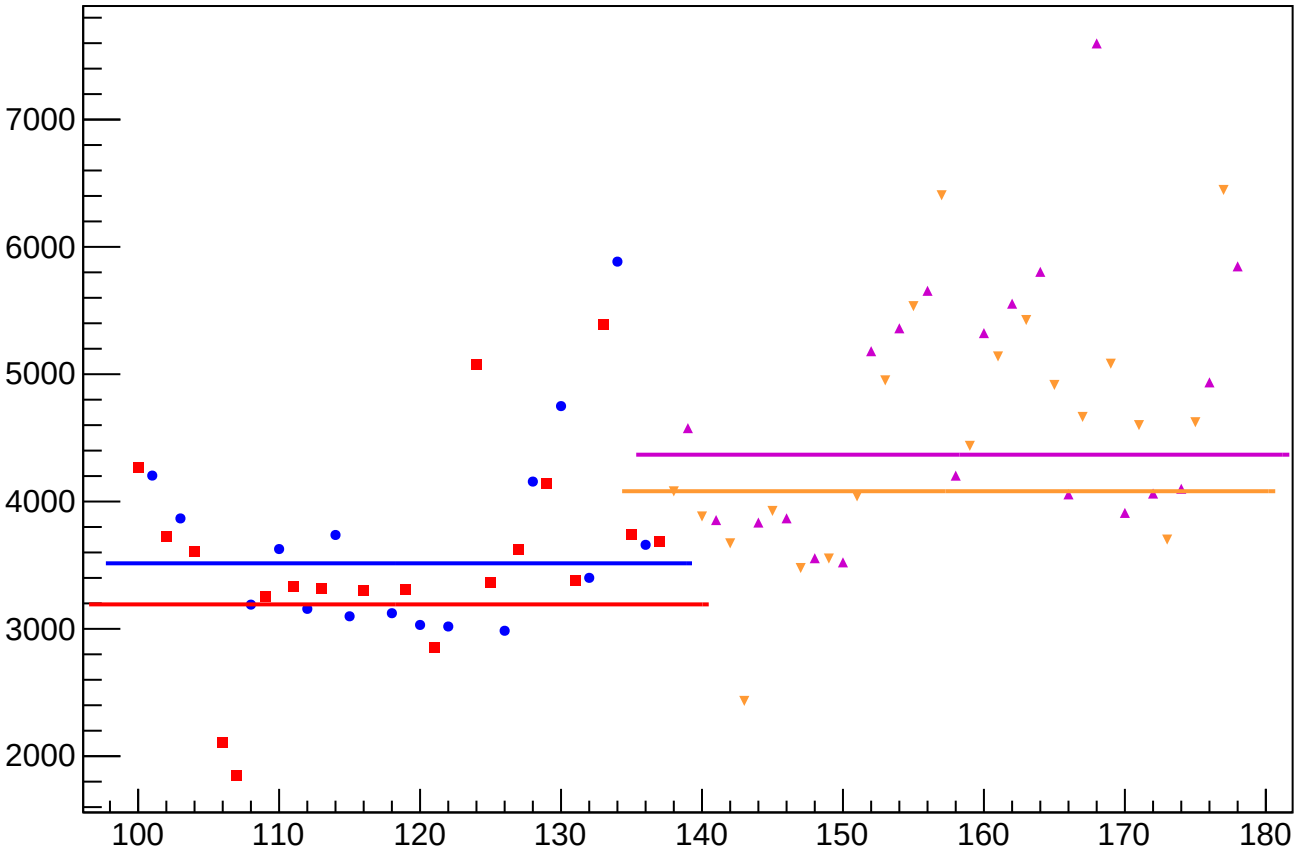
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 287.074+/-1104.134 χ^2/NDF:12.1/19

+ sign 12.205+/-816.114 χ^2/NDF: 40.4/36

All: 79.389+/-575.807 χ^2/NDF: 69.3/75

- sign 145.982+/-812.525 χ^2/NDF: 28.9/38



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4081.023+/-0.732 χ^2/NDF:1803962.4/20

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

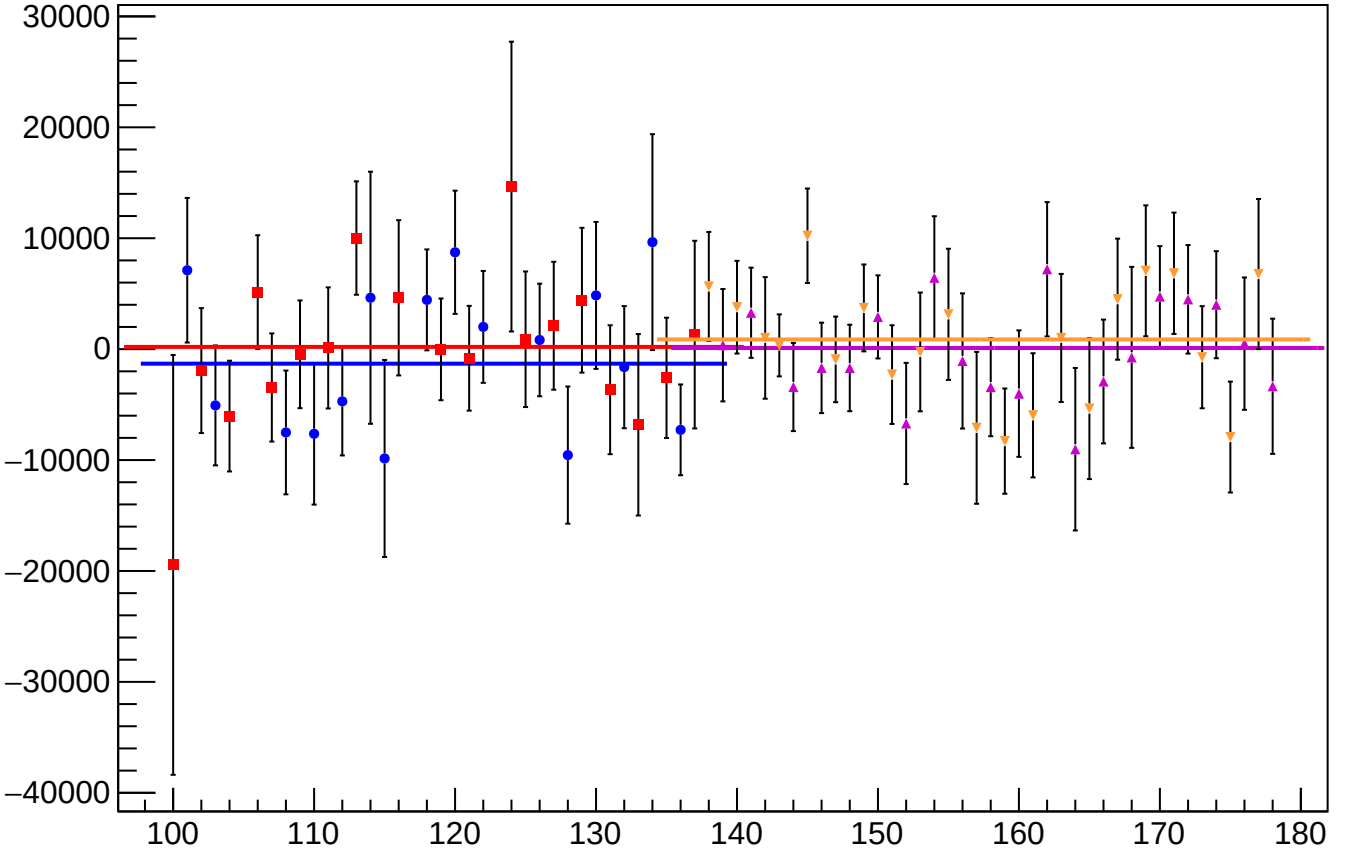
Left In: 4367.886+/-0.781 χ^2/NDF:1153252.5/19

+ sign 3866.963+/-0.577 χ^2/NDF: 2405450.9/36

All: 3847.836+/-0.407 χ^2/NDF: 5373008.8/75

- sign 3828.878+/-0.575 χ^2/NDF: 2965370.6/38

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 874.387+/-1043.434 χ^2/NDF:22.0/20

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

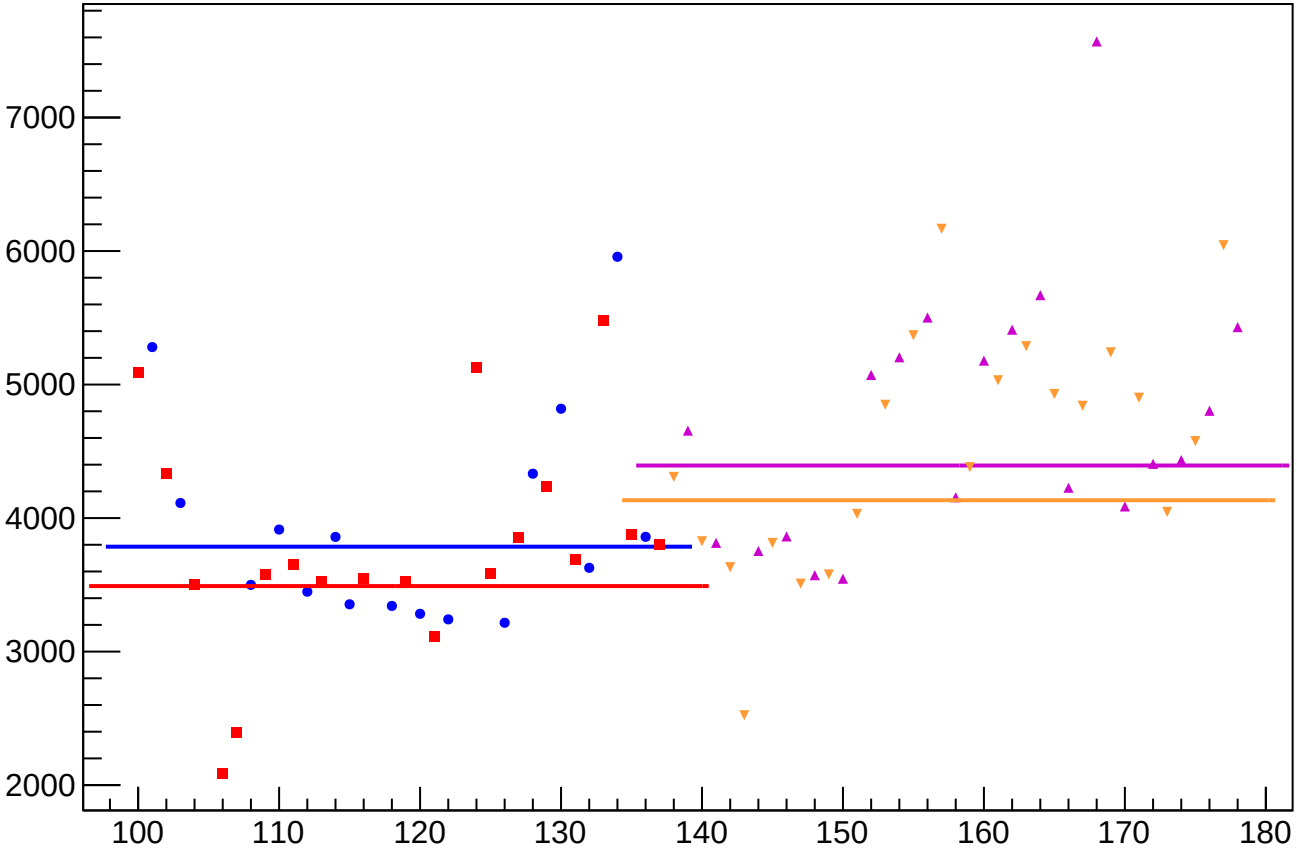
Left In: 102.716+/-1107.223 χ^2/NDF:12.5/19

+ sign 116.795+/-843.231 χ^2/NDF: 41.1/36

All: 129.741+/-599.512 χ^2/NDF: 65.2/75

- sign 142.974+/-852.523 χ^2/NDF: 24.1/38

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4133.516+/-0.738 χ^2/NDF:1585866.2/20

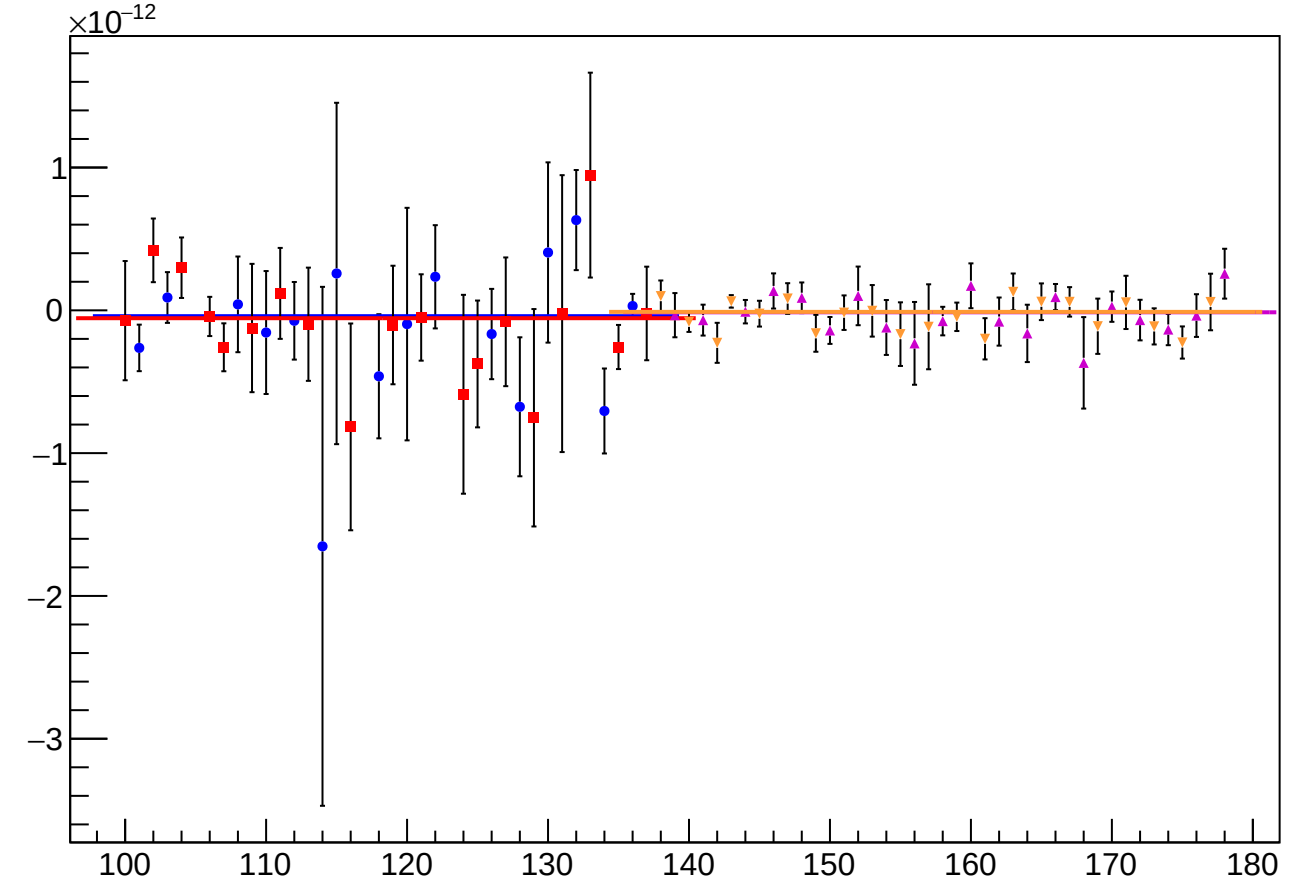
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4393.657+/-0.783 χ^2/NDF:1004815.9/19

+ sign 4012.874+/-0.596 χ^2/NDF: 2045923.8/36

All: 4016.408+/-0.423 χ^2/NDF: 4188035.1/75

- sign 4019.981+/-0.599 χ^2/NDF: 2142040.7/38



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.5/20

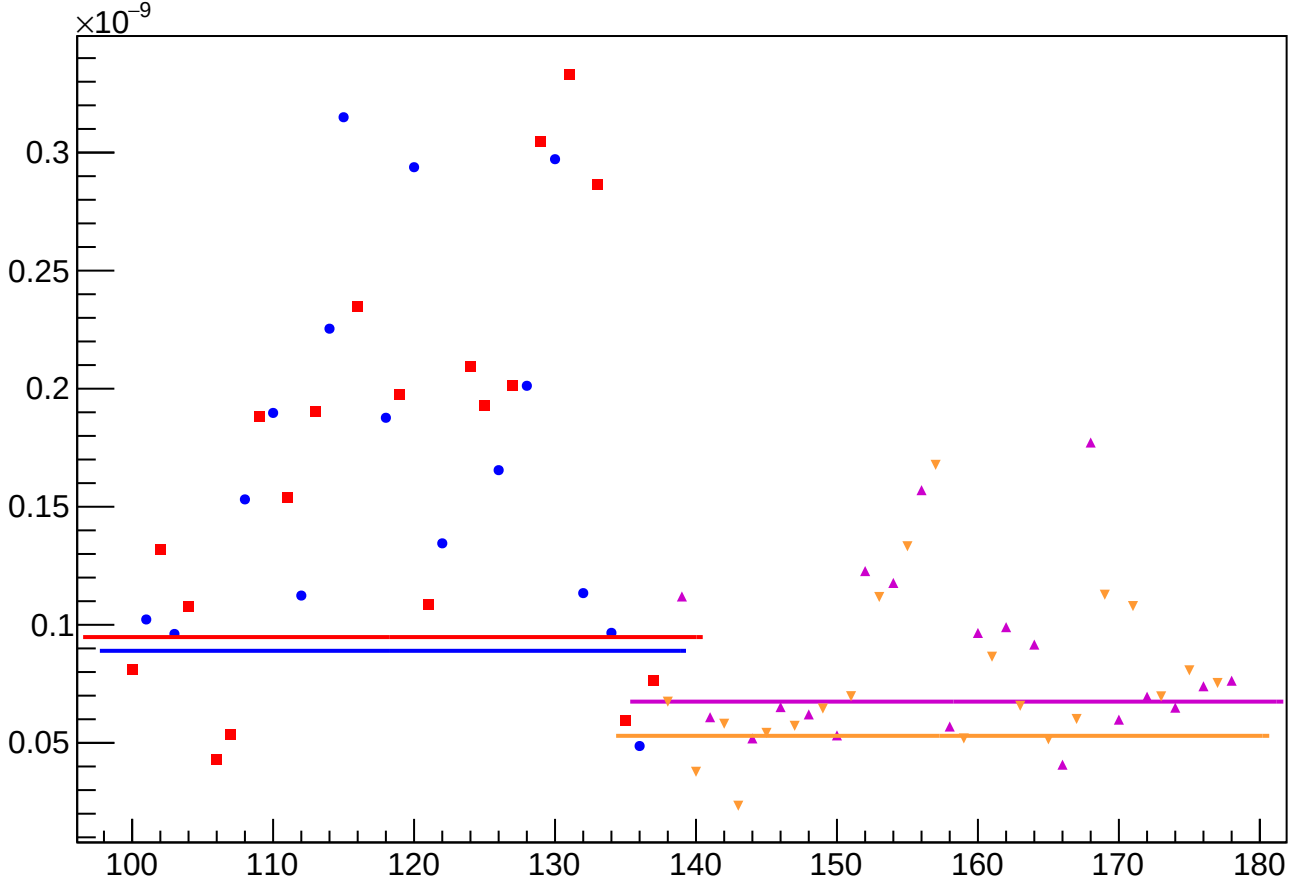
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:14.6/19

+ sign -0.000+/-0.000 χ^2/NDF: 35.4/36

All: -0.000+/-0.000 χ^2/NDF: 66.2/75

- sign -0.000+/-0.000 χ^2/NDF: 30.8/38



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2547856.2/20

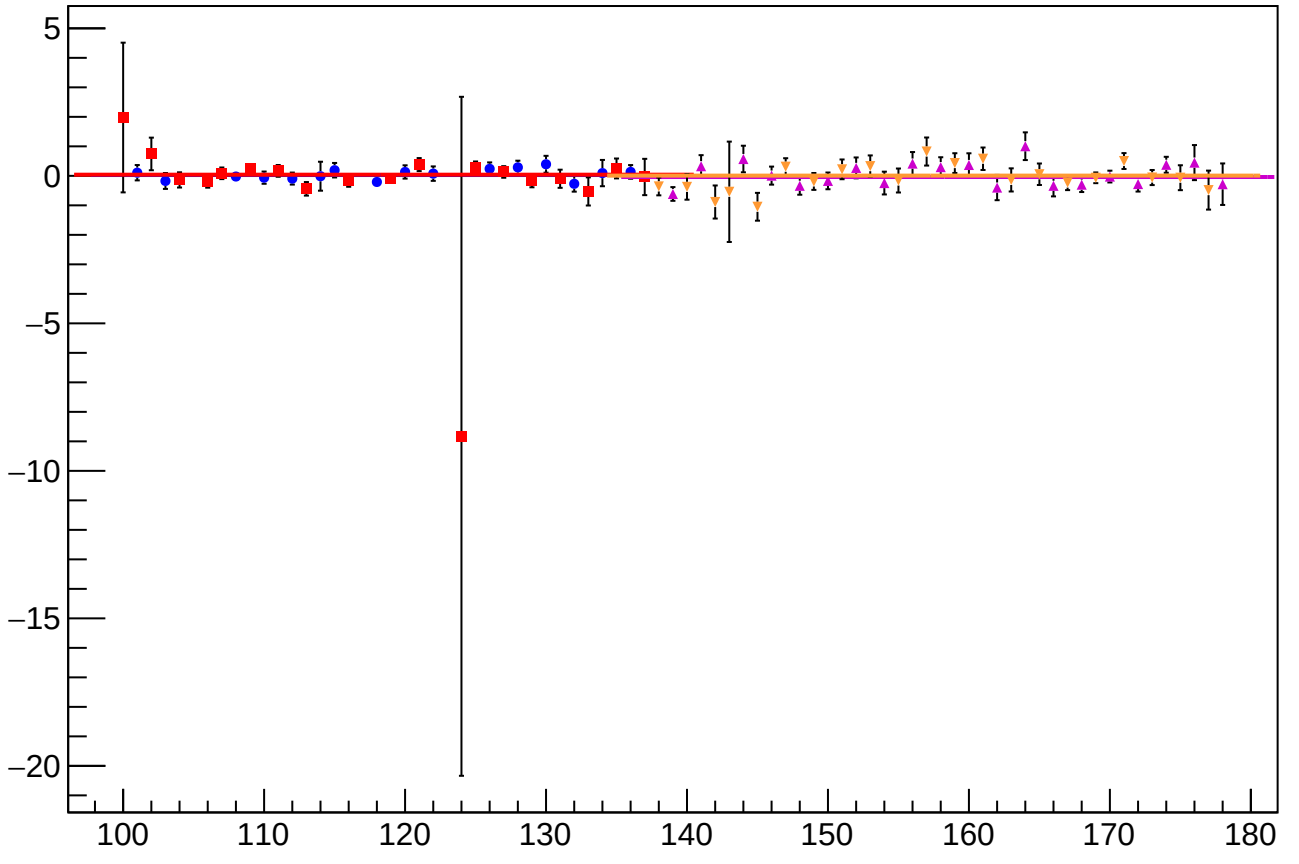
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1385441.0/19

+ sign 0.000+/-0.000 χ^2/NDF: 4652643.2/36

All: 0.000+/-0.000 χ^2/NDF: 8425864.5/75

- sign 0.000+/-0.000 χ^2/NDF: 3424991.4/38



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.008+/-0.073 χ^2/NDF:24.8/20

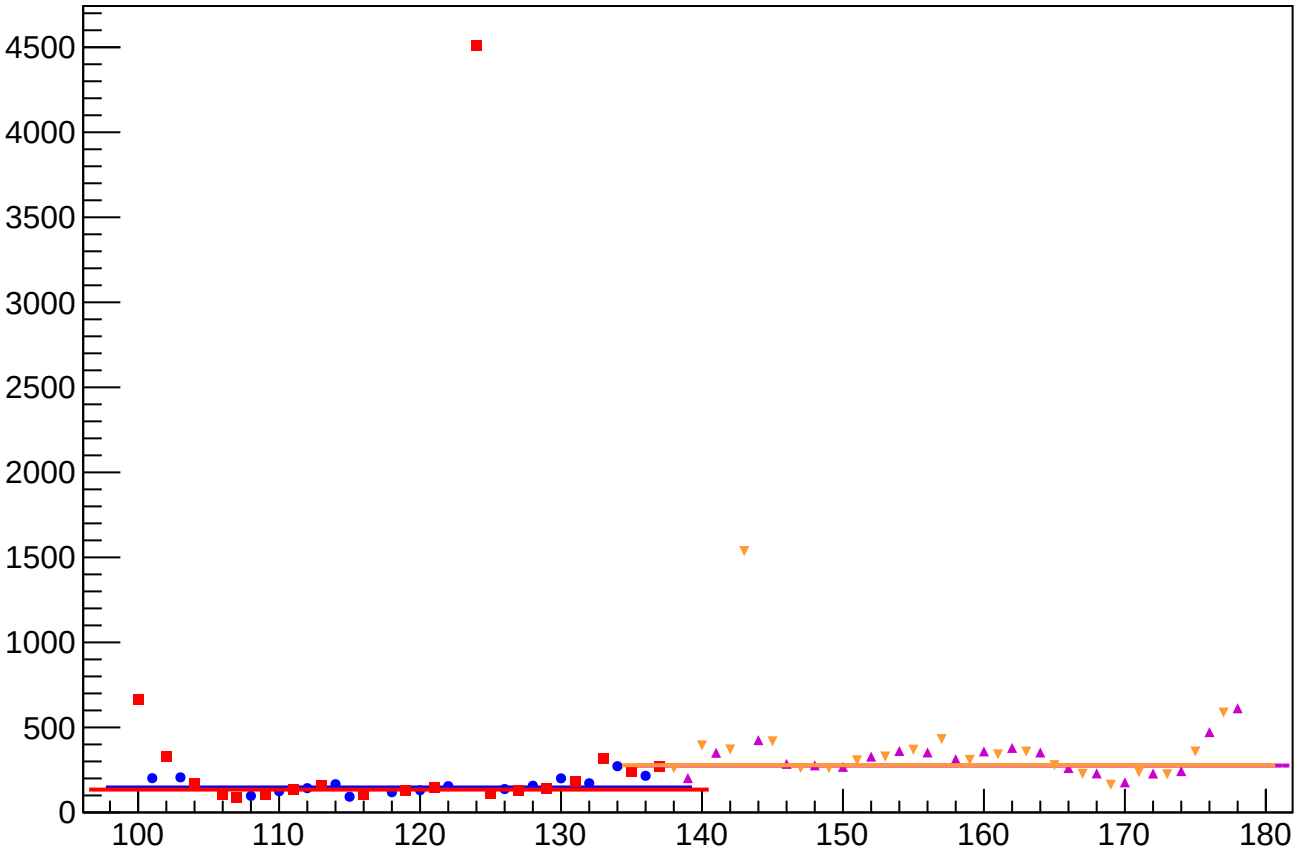
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.040+/-0.072 χ^2/NDF:26.0/19

+ sign 0.020+/-0.045 χ^2/NDF: 34.3/36

All: 0.015+/-0.031 χ^2/NDF: 81.1/75

- sign 0.010+/-0.044 χ^2/NDF: 46.7/38



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 277.862+/-0.052 χ^2/NDF:3536745.3/20

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

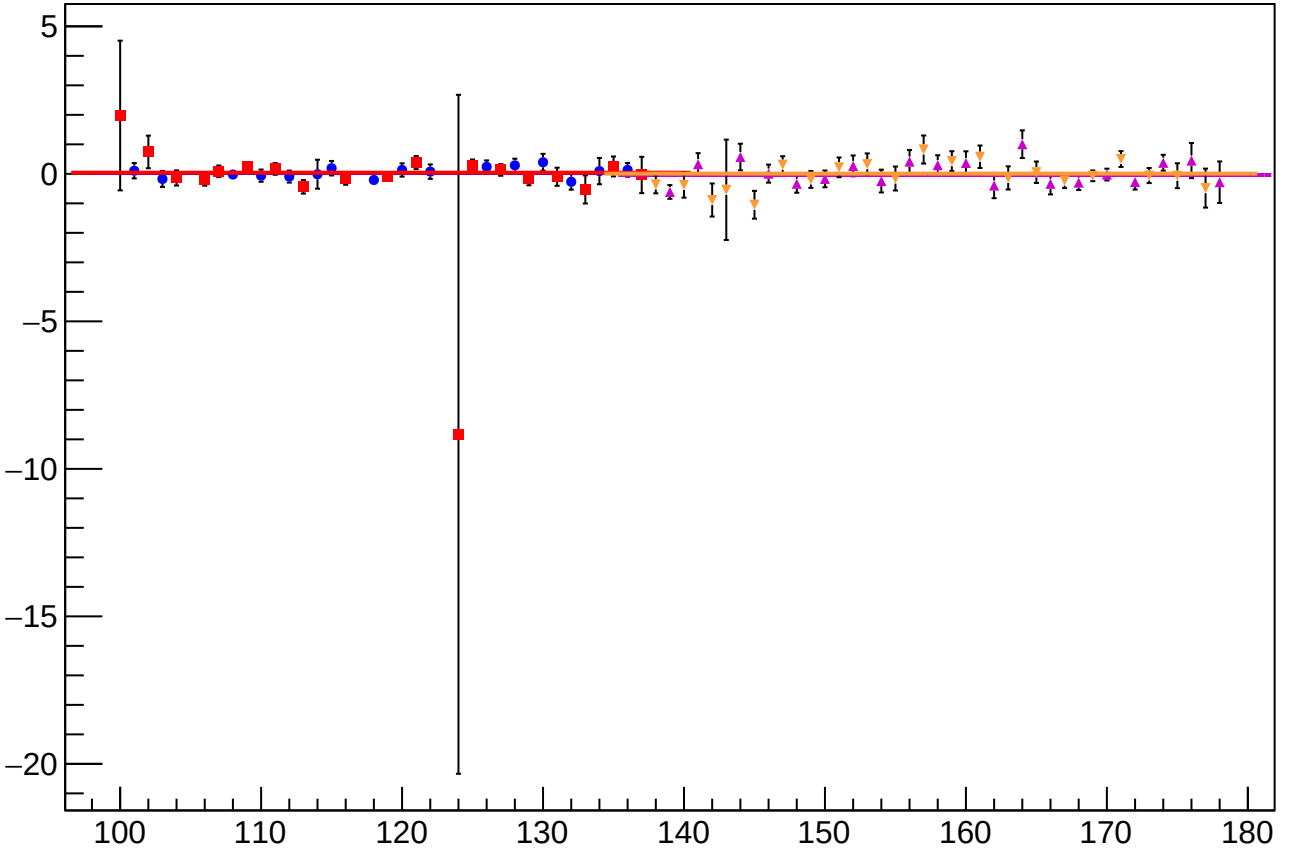
Left In: 275.800+/-0.051 χ^2/NDF:2341639.7/19

+ sign 197.253+/-0.032 χ^2/NDF: 8504310.6/36

All: 191.639+/-0.022 χ^2/NDF: 17402242.1/75

- sign 186.436+/-0.031 χ^2/NDF: 8838626.9/38

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.008+/-0.073 χ^2/NDF:24.8/20

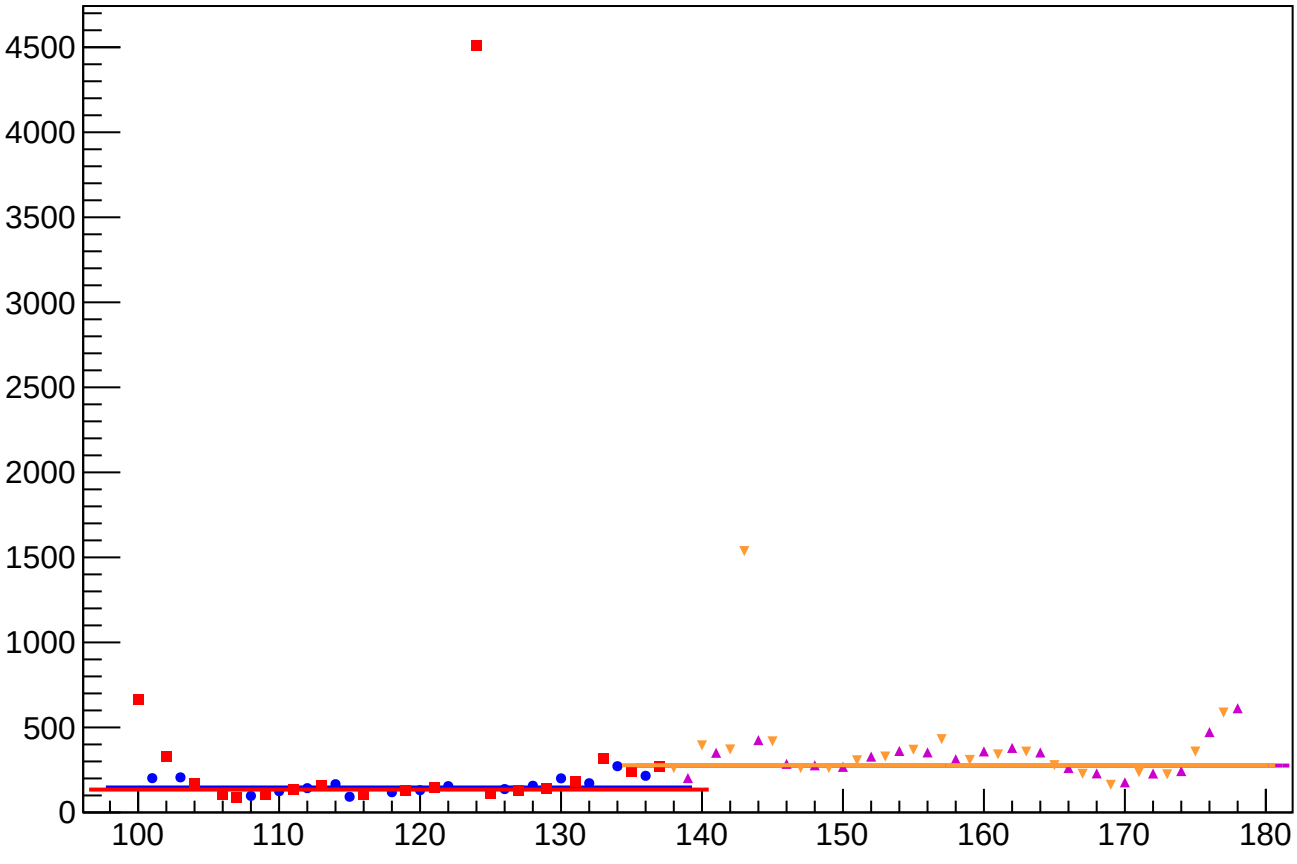
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.040+/-0.072 χ^2/NDF:26.0/19

+ sign 0.020+/-0.045 χ^2/NDF: 34.3/36

All: 0.015+/-0.031 χ^2/NDF: 81.1/75

- sign 0.010+/-0.044 χ^2/NDF: 46.7/38



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 277.862+/-0.052 χ^2/NDF:3536745.3/20

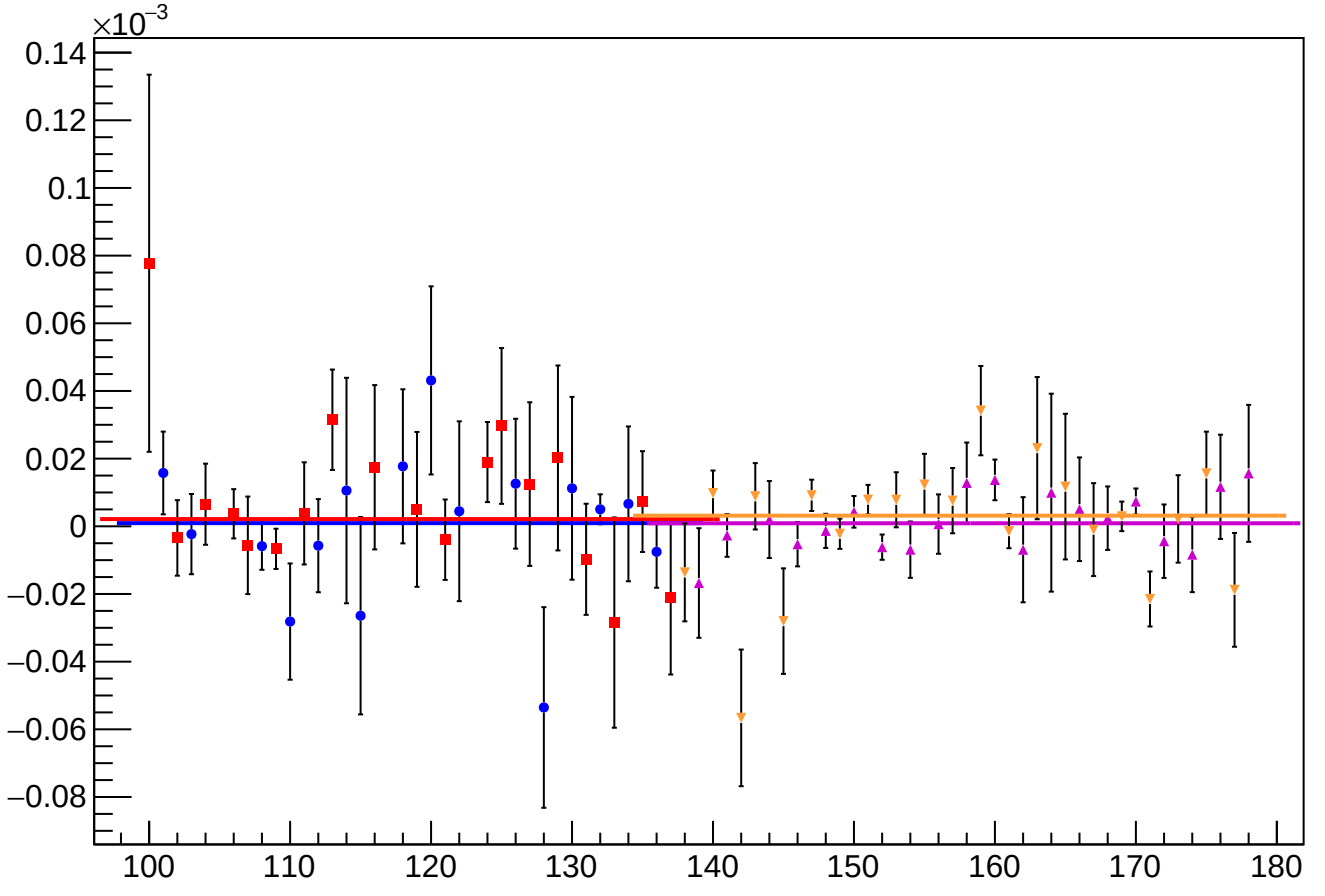
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 275.800+/-0.051 χ^2/NDF:2341639.7/19

+ sign 197.253+/-0.032 χ^2/NDF: 8504310.6/36

All: 191.639+/-0.022 χ^2/NDF: 17402242.1/75

- sign 186.436+/-0.031 χ^2/NDF: 8838626.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:40.7/20

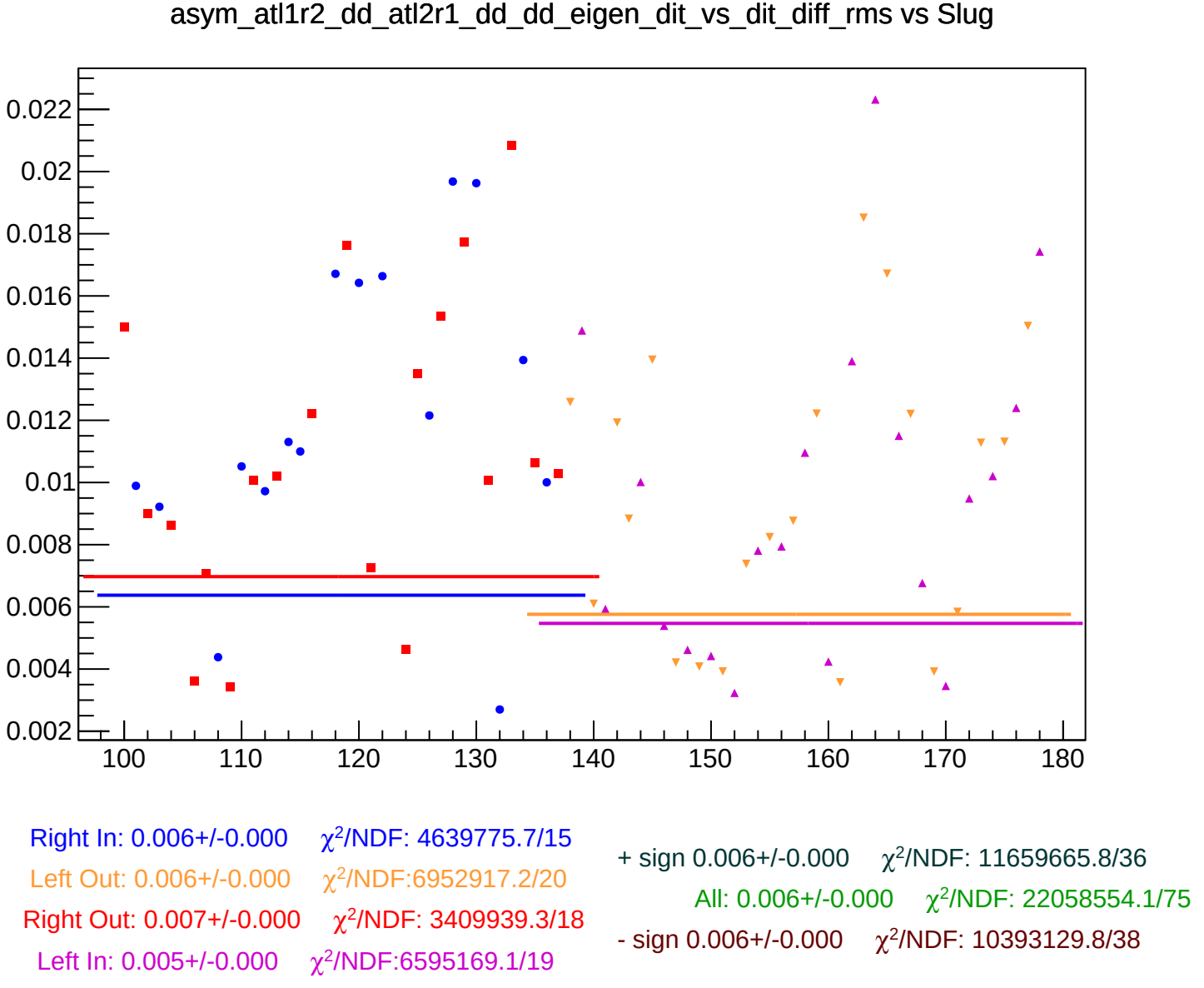
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

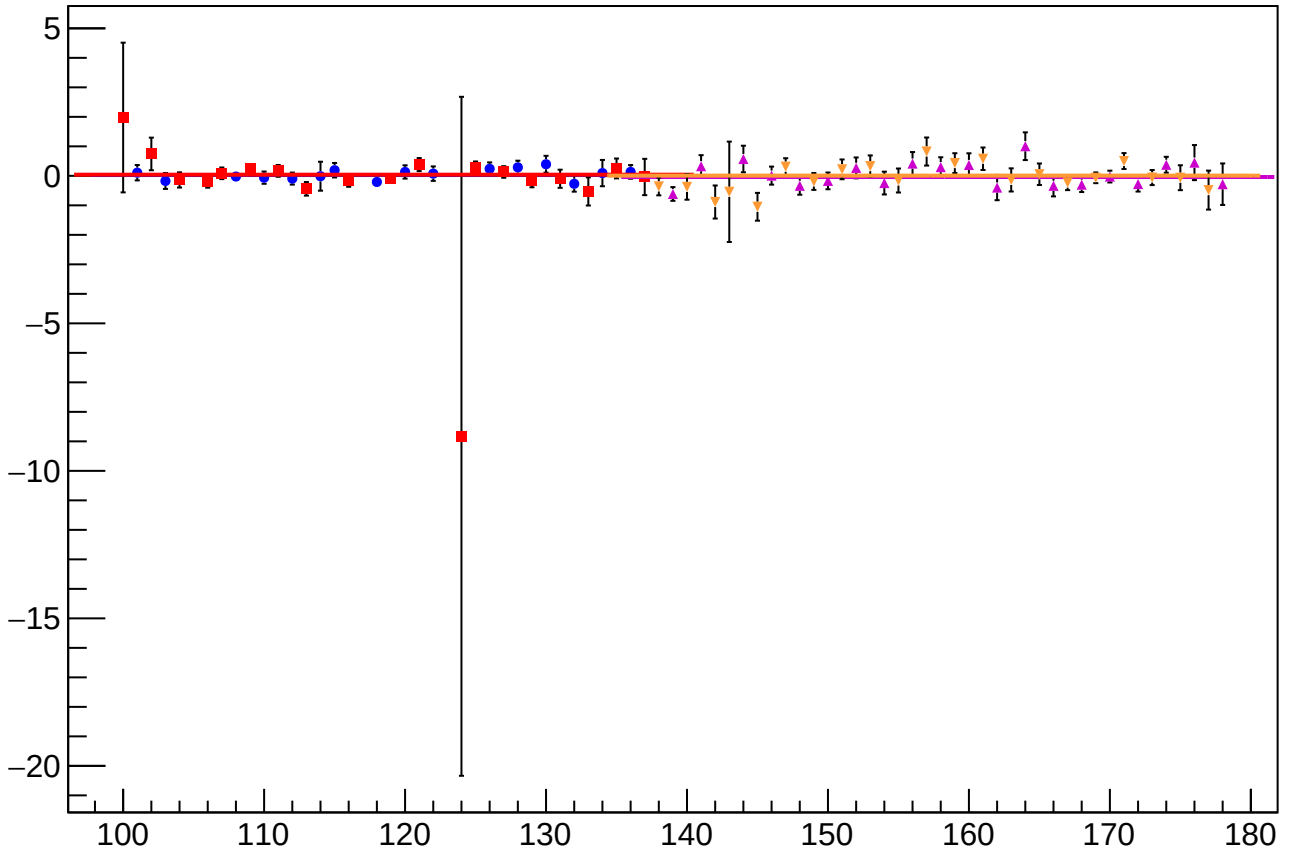
Left In: 0.000+/-0.000 χ^2/NDF:18.3/19

+ sign 0.000+/-0.000 χ^2/NDF: 56.0/36

All: 0.000+/-0.000 χ^2/NDF: 91.1/75

- sign 0.000+/-0.000 χ^2/NDF: 34.5/38


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
Right In: 0.006+/-0.000 χ²/NDF: 4639775.7/15
Left Out: 0.006+/-0.000 χ²/NDF:6952917.2/20
Right Out: 0.007+/-0.000 χ²/NDF: 3409939.3/18
Left In: 0.005+/-0.000 χ²/NDF:6595169.1/19
+ sign 0.006+/-0.000 χ²/NDF: 11659665.8/36
All: 0.006+/-0.000 χ²/NDF: 22058554.1/75
- sign 0.006+/-0.000 χ²/NDF: 10393129.8/38



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.008+/-0.073 χ^2/NDF:24.8/20

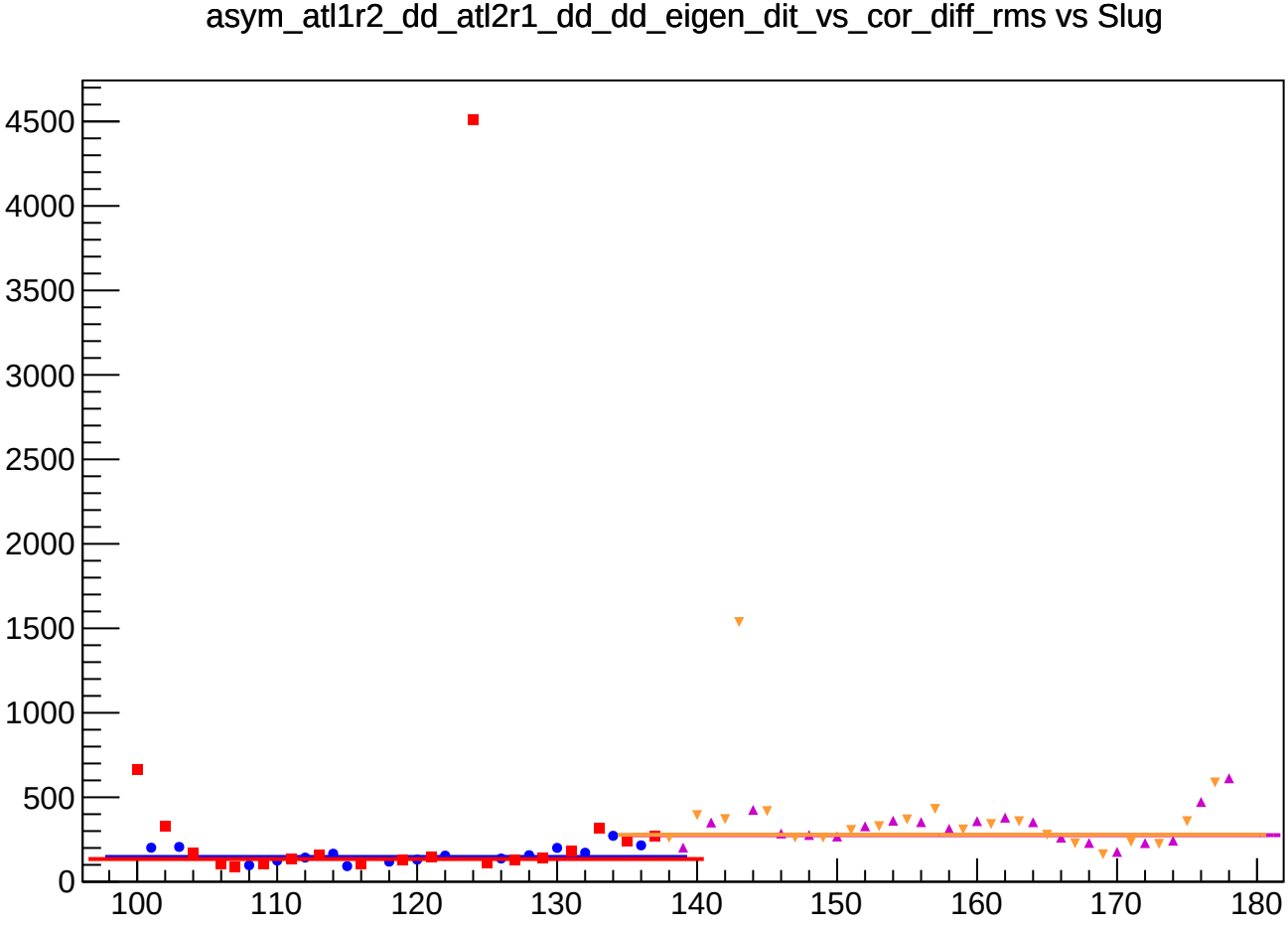
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.040+/-0.072 χ^2/NDF:26.0/19

+ sign 0.020+/-0.045 χ^2/NDF: 34.3/36

All: 0.015+/-0.031 χ^2/NDF: 81.1/75

- sign 0.010+/-0.044 χ^2/NDF: 46.7/38



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 277.862+/-0.052 χ^2/NDF:3536897.0/20

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

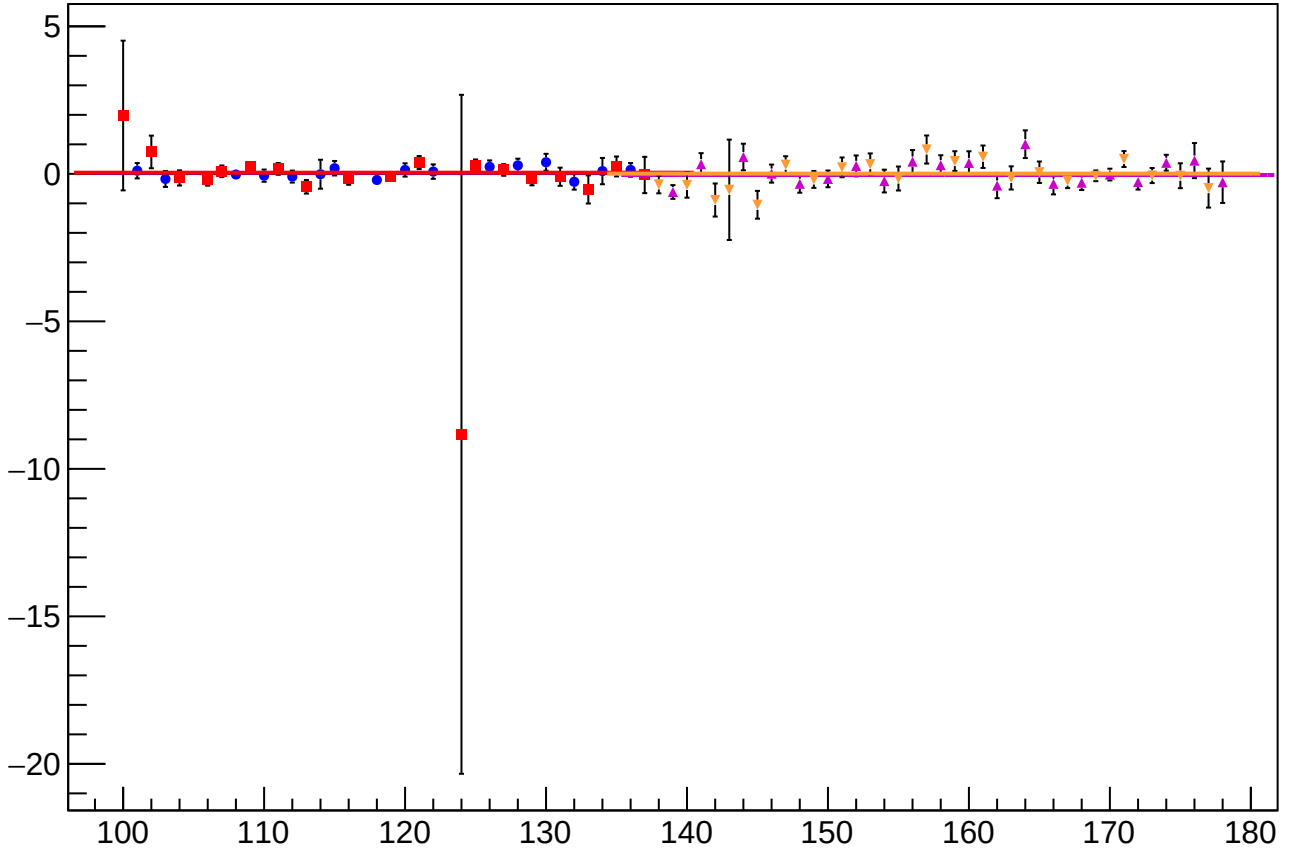
Left In: 275.802+/-0.051 χ^2/NDF:2341728.8/19

+ sign 197.253+/-0.032 χ^2/NDF: 8504402.2/36

All: 191.639+/-0.022 χ^2/NDF: 17402277.1/75

- sign 186.438+/-0.031 χ^2/NDF: 8838588.6/38

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: 0.008+/-0.073 χ^2/NDF:24.8/20

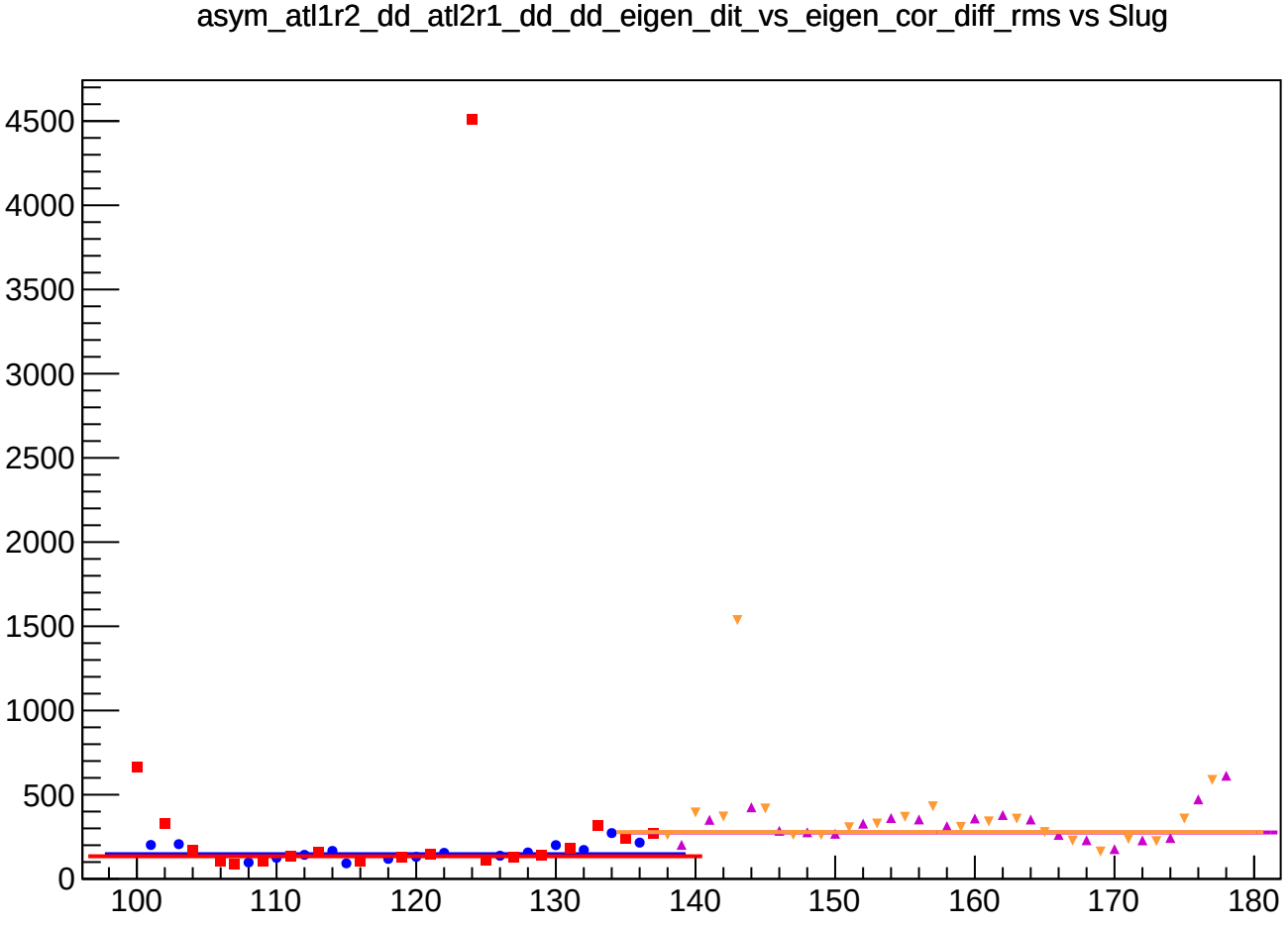
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.040+/-0.072 χ^2/NDF:26.0/19

+ sign 0.020+/-0.045 χ^2/NDF: 34.3/36

All: 0.015+/-0.031 χ^2/NDF: 81.1/75

- sign 0.010+/-0.044 χ^2/NDF: 46.7/38



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 277.862+/-0.052 χ^2/NDF:3536897.0/20

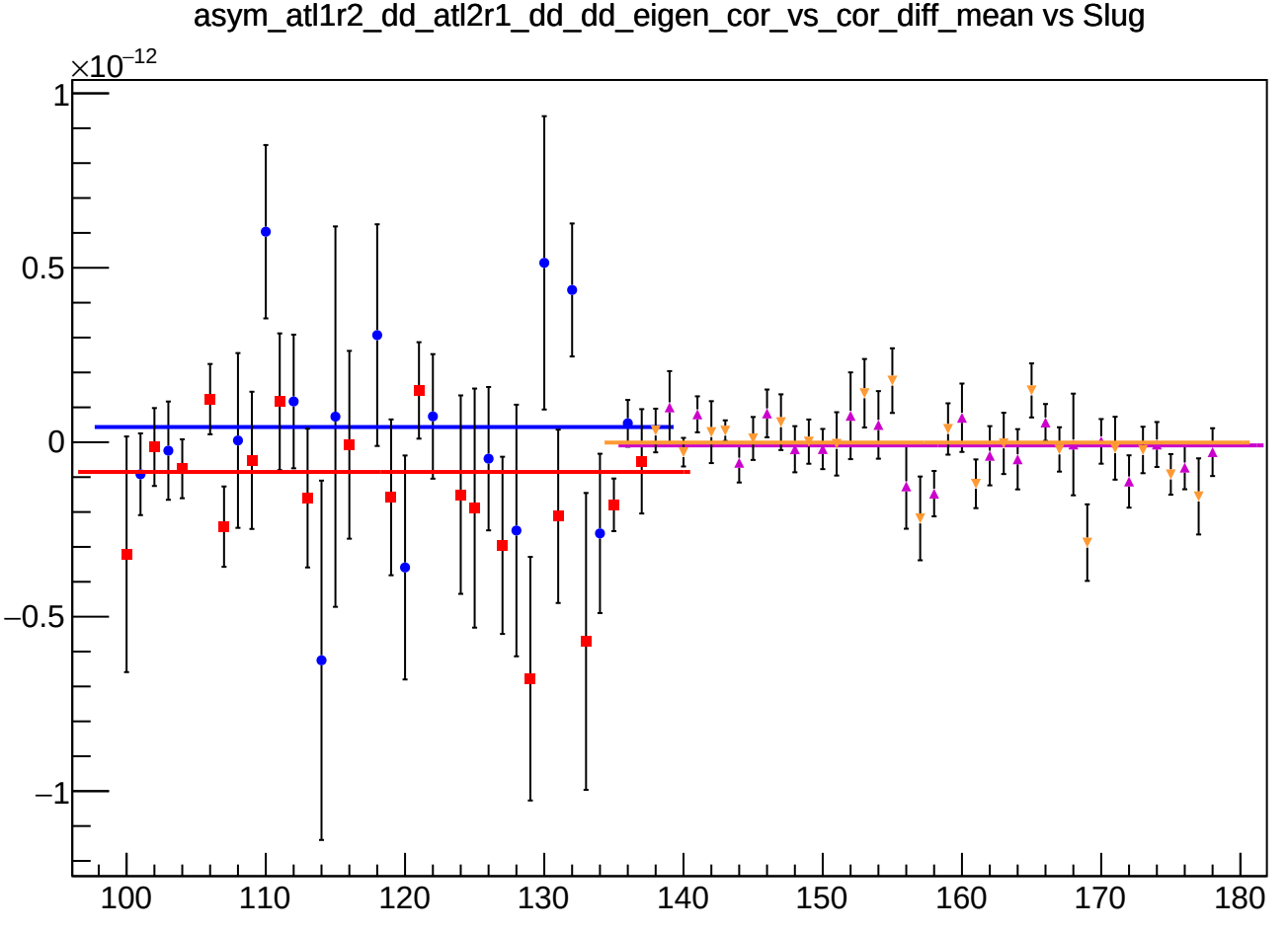
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 275.802+/-0.051 χ^2/NDF:2341728.8/19

+ sign 197.253+/-0.032 χ^2/NDF: 8504402.2/36

All: 191.639+/-0.022 χ^2/NDF: 17402277.1/75

- sign 186.438+/-0.031 χ^2/NDF: 8838588.6/38



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.2/20

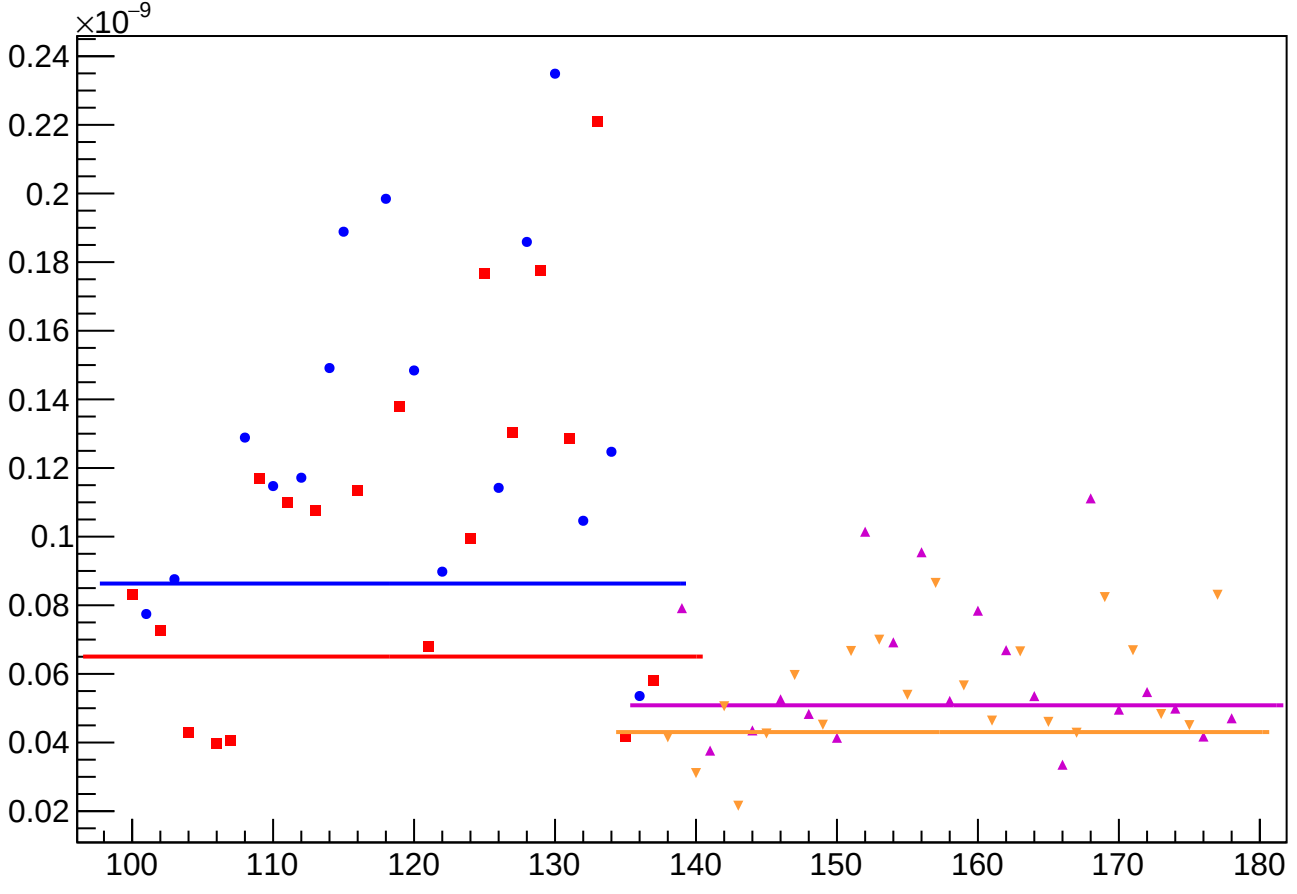
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:18.6/19

+ sign 0.000+/-0.000 χ^2/NDF: 50.1/36

All: -0.000+/-0.000 χ^2/NDF: 92.7/75

- sign -0.000+/-0.000 χ^2/NDF: 40.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2798956.4/20

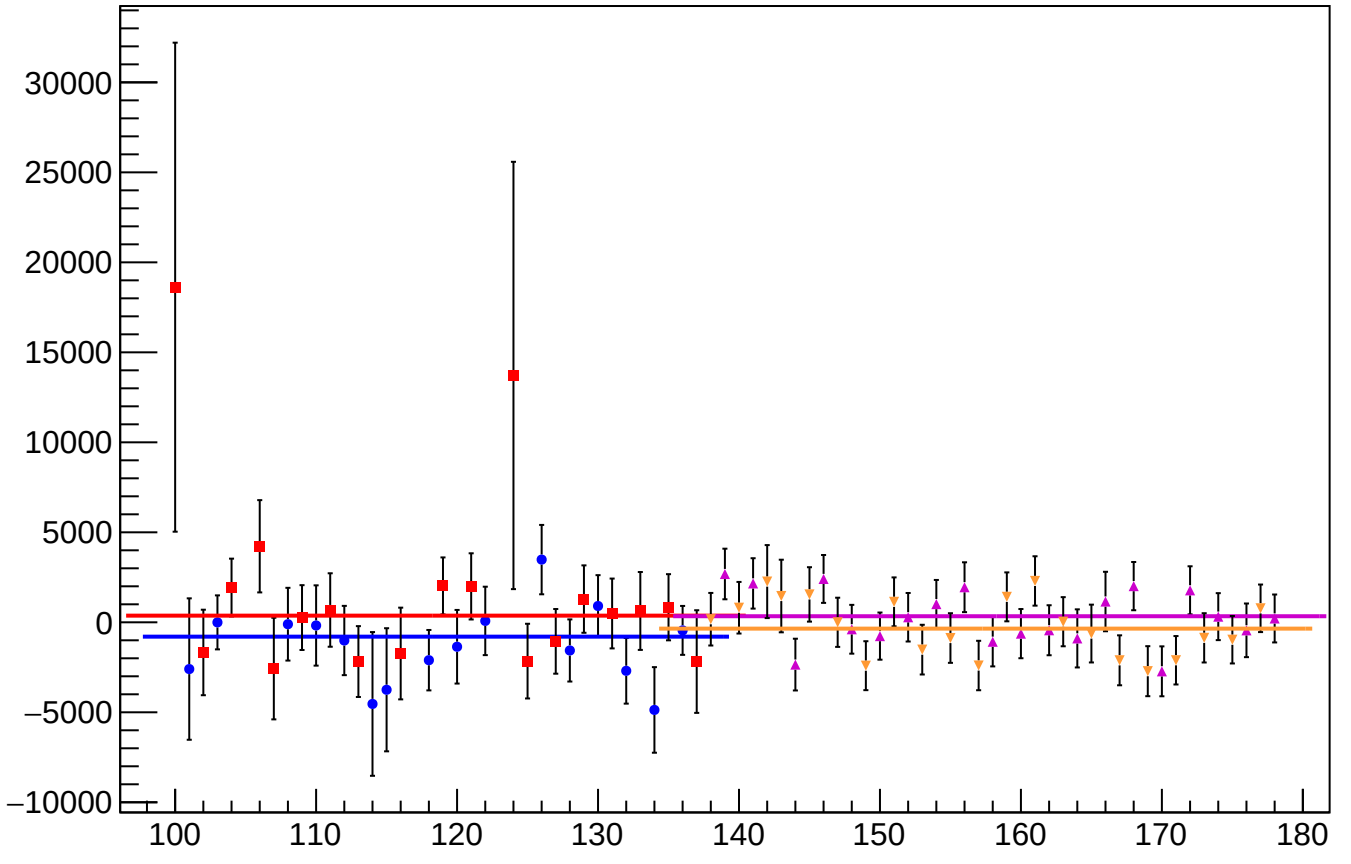
Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1889080.7/19

+ sign 0.000+/-0.000 χ^2/NDF: 6211291.3/36

All: 0.000+/-0.000 χ^2/NDF: 10727177.2/75

- sign 0.000+/-0.000 χ^2/NDF: 4330615.3/38



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: -351.151+/-310.829 χ^2/NDF:24.3/20

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

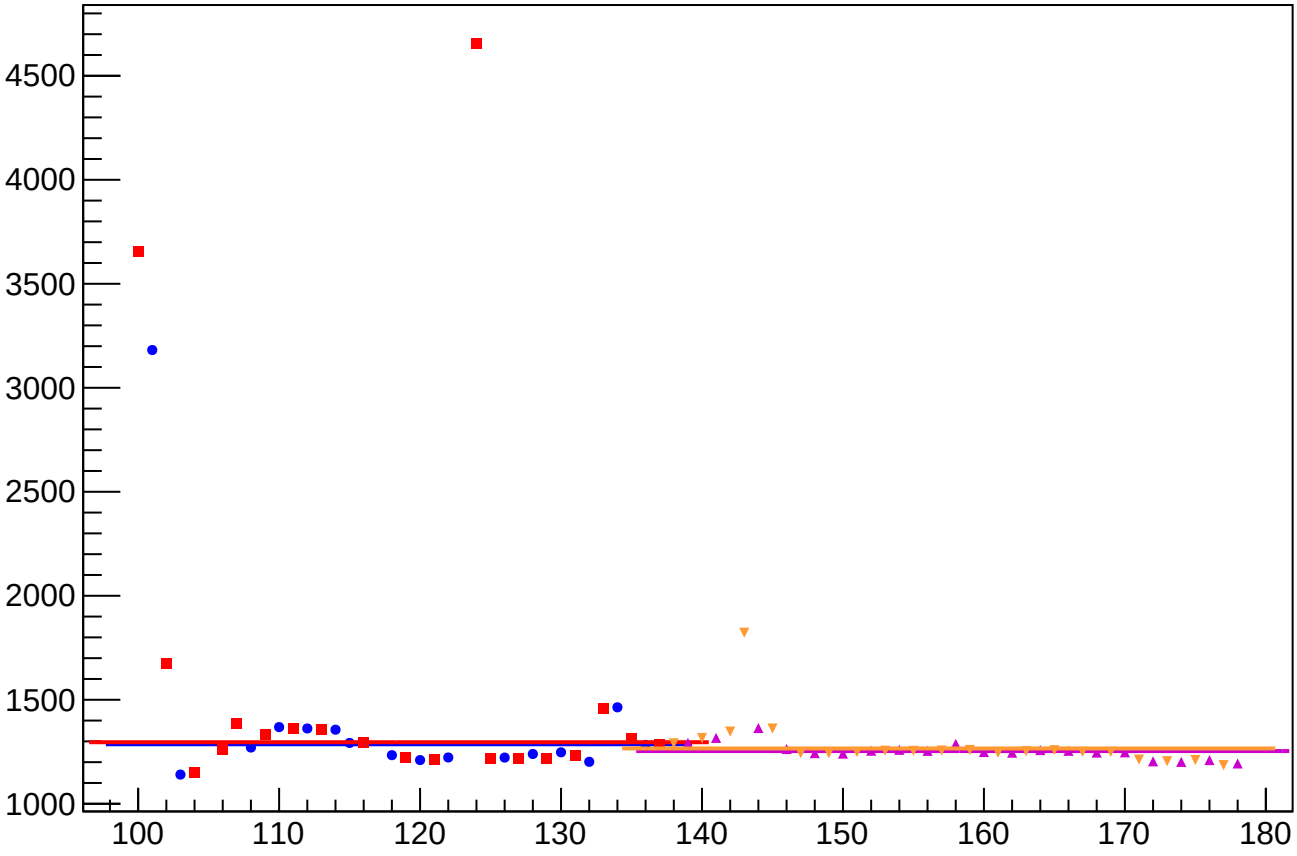
Left In: 337.553+/-310.167 χ^2/NDF:23.6/19

+ sign -480.115+/-262.081 χ^2/NDF: 38.3/36

All: -65.555+/-185.089 χ^2/NDF: 82.5/75

- sign 346.952+/-261.431 χ^2/NDF: 39.2/38

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1265.948+/-0.220 χ^2/NDF:187824.7/20

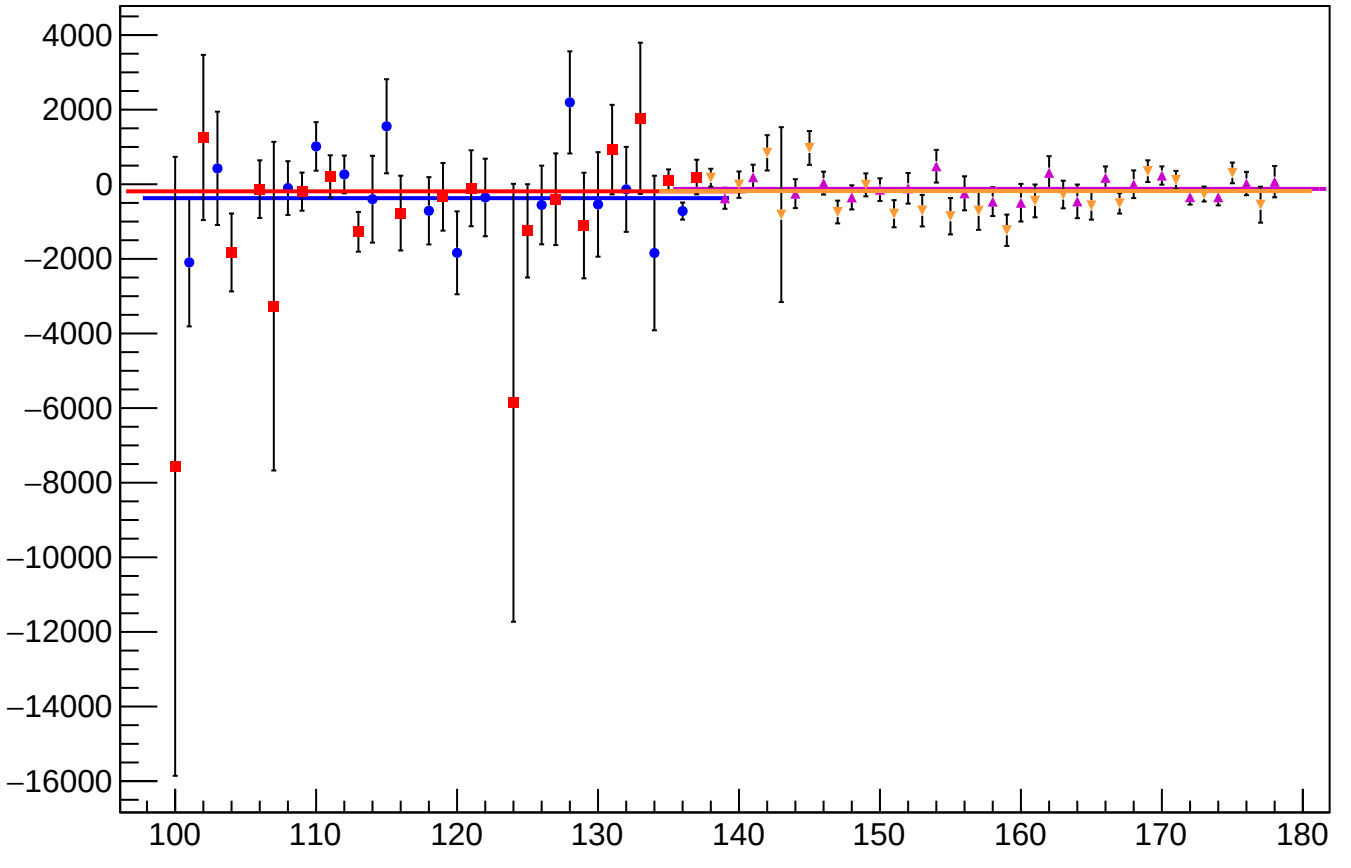
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1253.384+/-0.219 χ^2/NDF:31113.9/19

\+ sign 1271.773+/-0.185 χ^2/NDF: 708381.0/36

All: 1268.733+/-0.131 χ^2/NDF: 1079005.4/75

\- sign 1265.708+/-0.185 χ^2/NDF: 370087.5/38



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -181.967+/-73.159 χ^2/NDF:42.5/20

Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

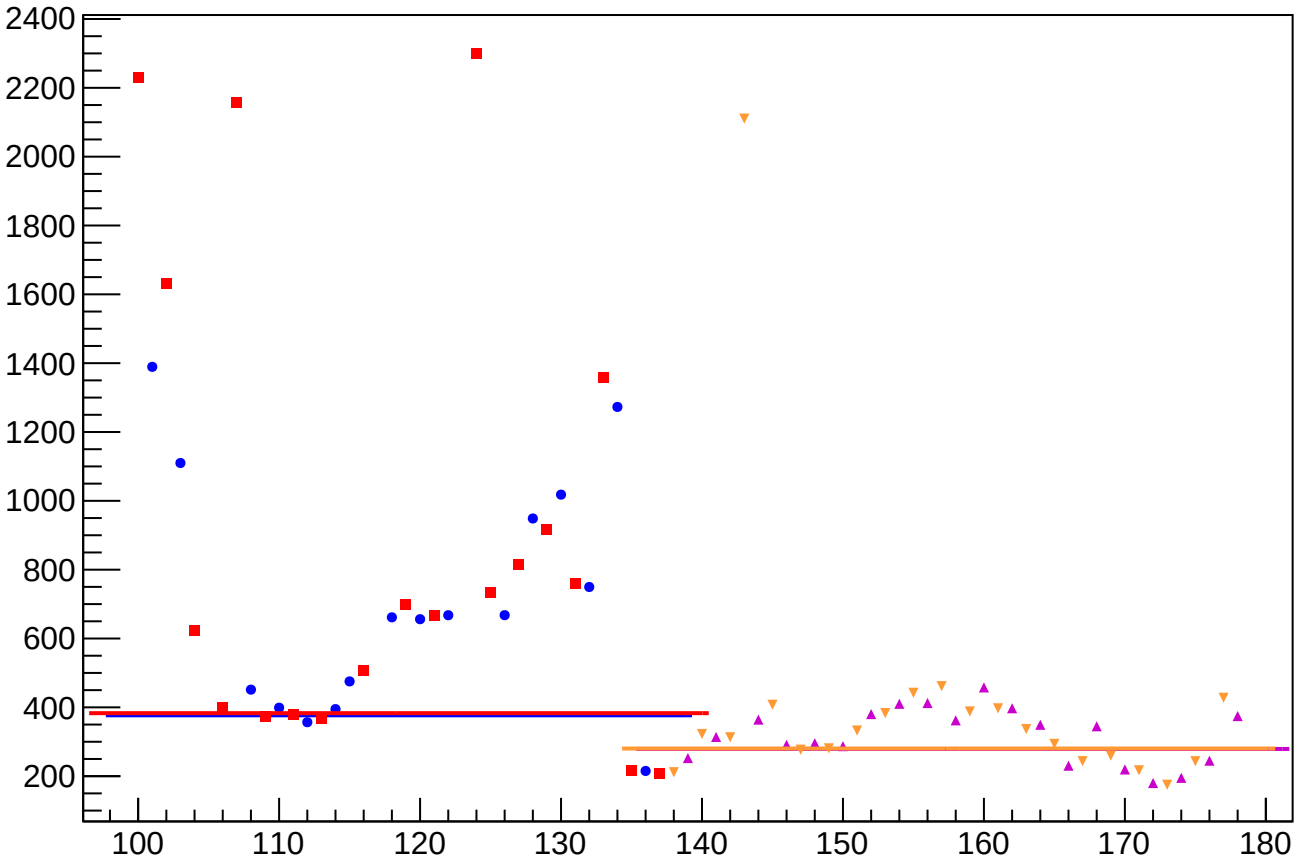
Left In: -123.878+/-72.178 χ^2/NDF:13.2/19

\+ sign -212.250+/-67.088 χ^2/NDF: 61.7/36

All: -172.657+/-47.198 χ^2/NDF: 90.4/75

\- sign -133.858+/-66.412 χ^2/NDF: 28.0/38

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs Slug



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 280.319+/-0.052 χ^2/NDF:3492094.4/20

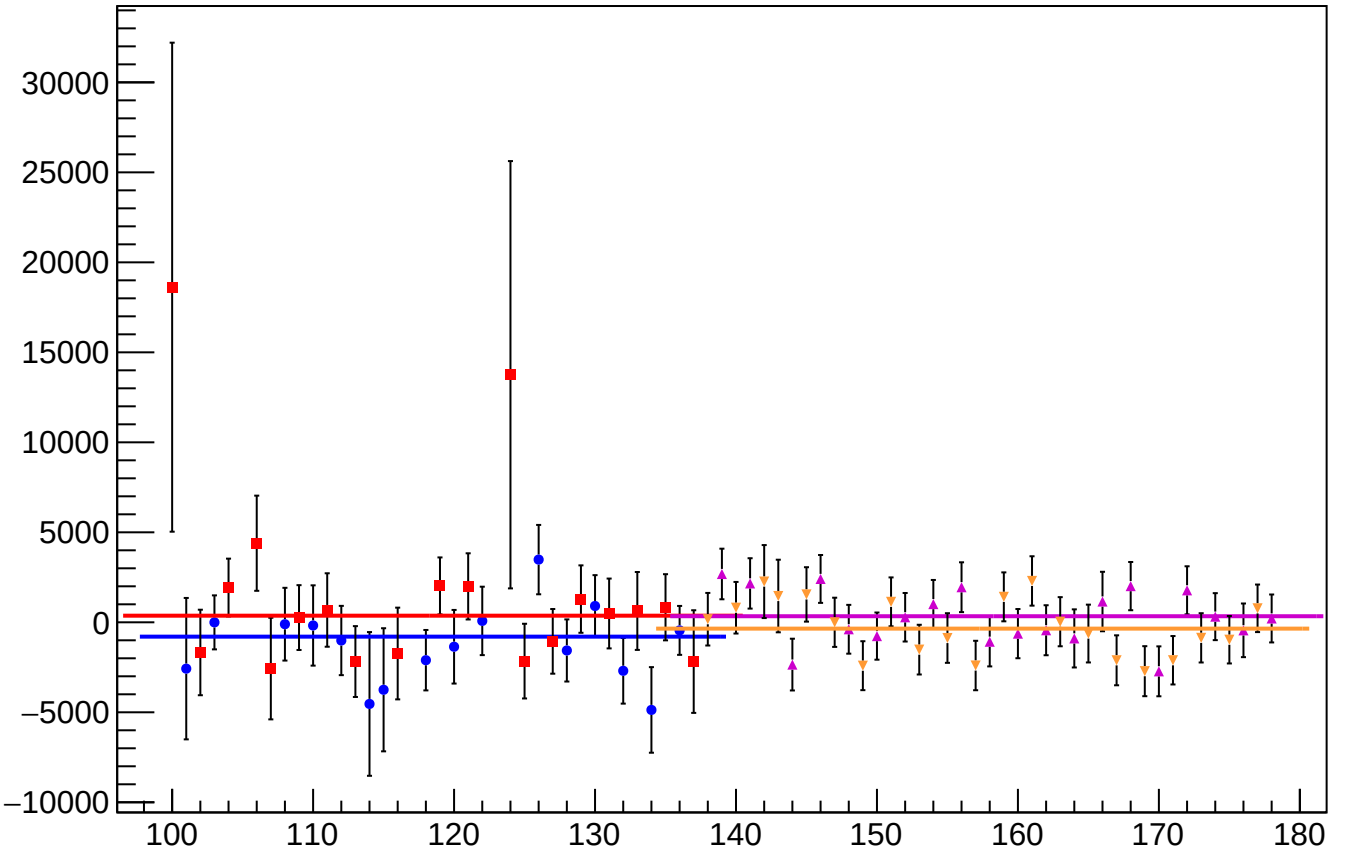
Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 279.102+/-0.051 χ^2/NDF:2292660.1/19

+ sign 295.682+/-0.047 χ^2/NDF: 8236701.7/36

All: 295.363+/-0.033 χ^2/NDF: 15220103.5/75

- sign 295.050+/-0.047 χ^2/NDF: 6983312.1/38



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -351.144+/-310.829 χ^2/NDF:24.3/20

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

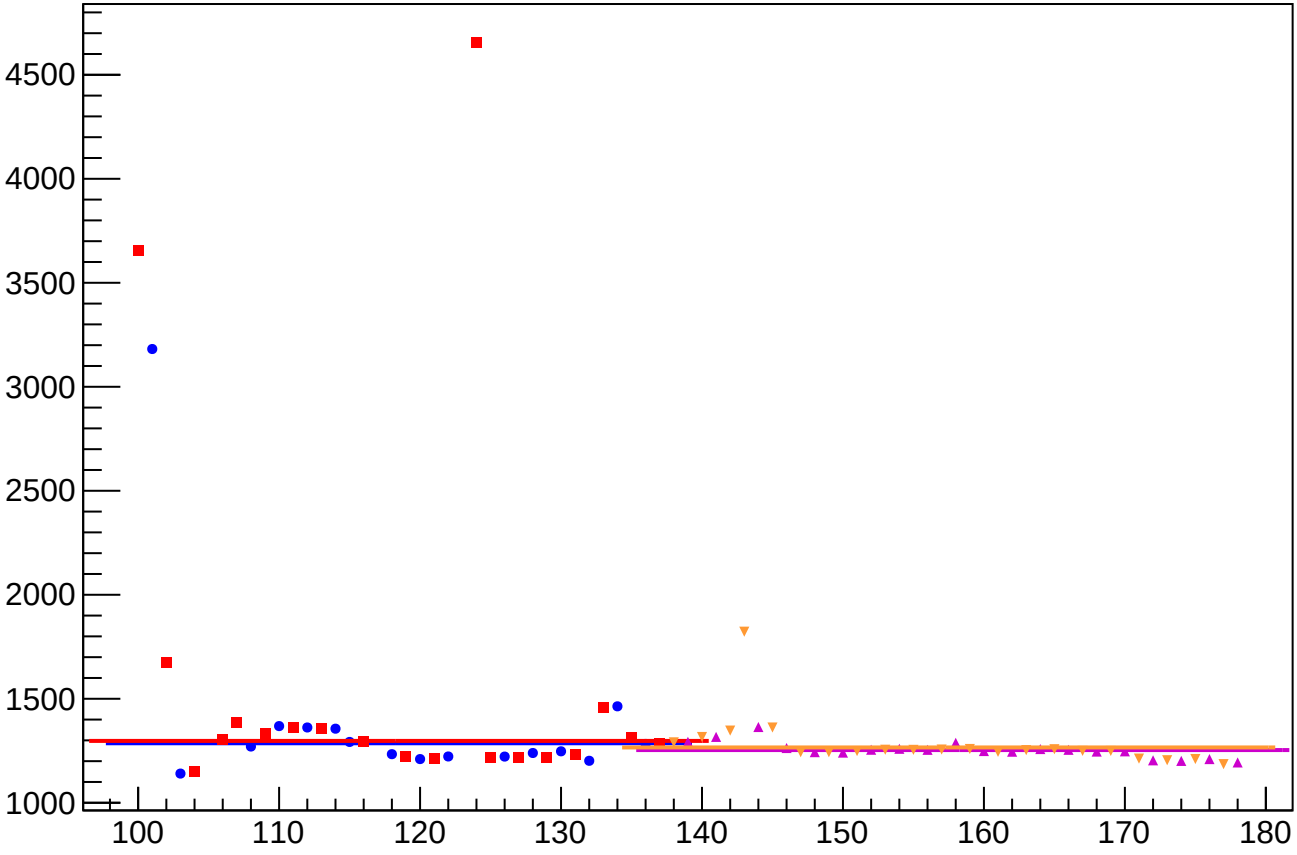
Left In: 337.523+/-310.167 χ^2/NDF:23.6/19

\+ sign -479.994+/-262.081 χ^2/NDF: 38.3/36

All: -66.008+/-185.118 χ^2/NDF: 82.6/75

\- sign 346.183+/-261.512 χ^2/NDF: 39.3/38

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1265.948+/-0.220 χ^2/NDF:187824.7/20

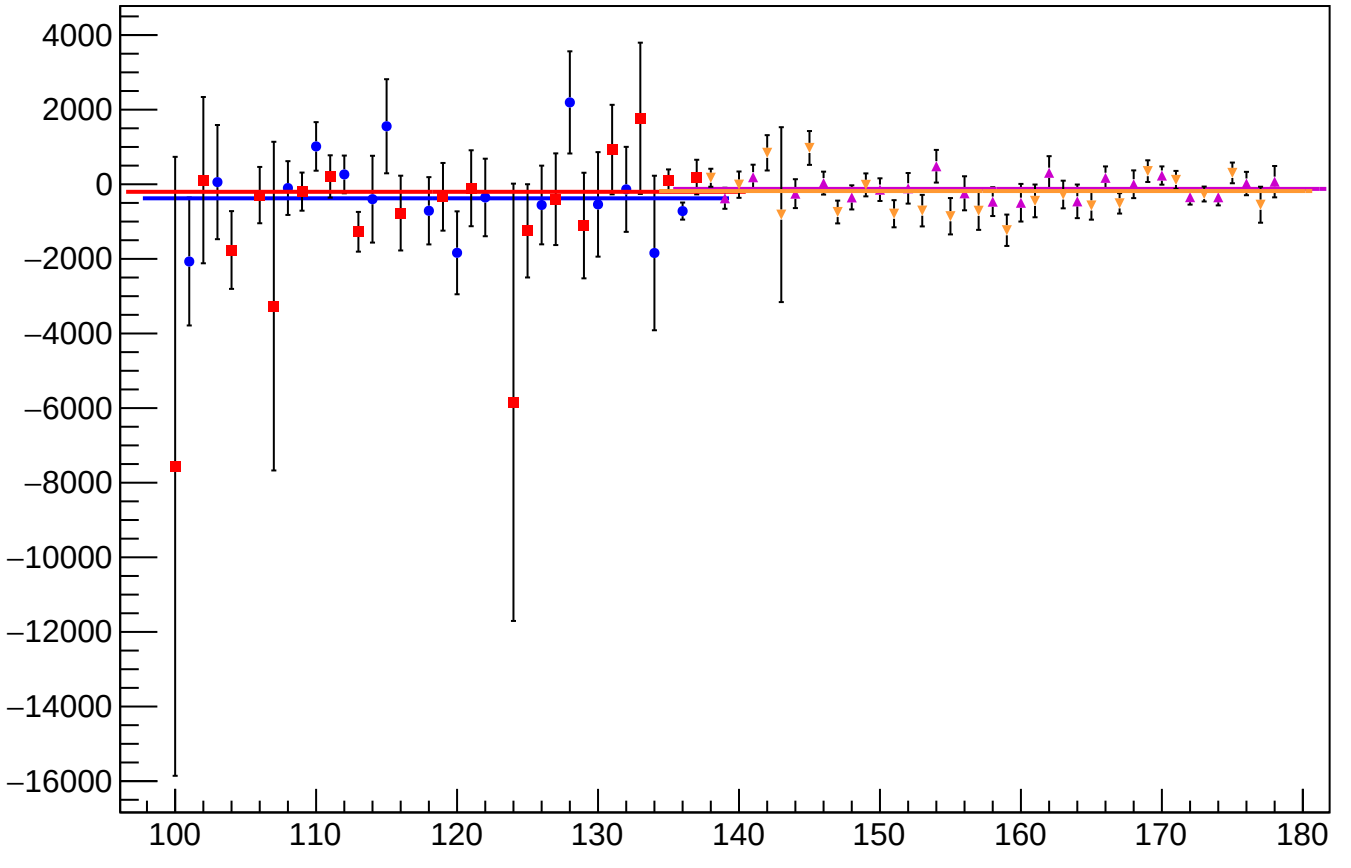
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1253.384+/-0.219 χ^2/NDF:31113.9/19

+ sign 1271.773+/-0.185 χ^2/NDF: 708382.4/36

All: 1268.934+/-0.131 χ^2/NDF: 1079348.2/75

- sign 1266.108+/-0.185 χ^2/NDF: 370497.7/38



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -181.964+/-73.161 χ^2/NDF:42.5/20

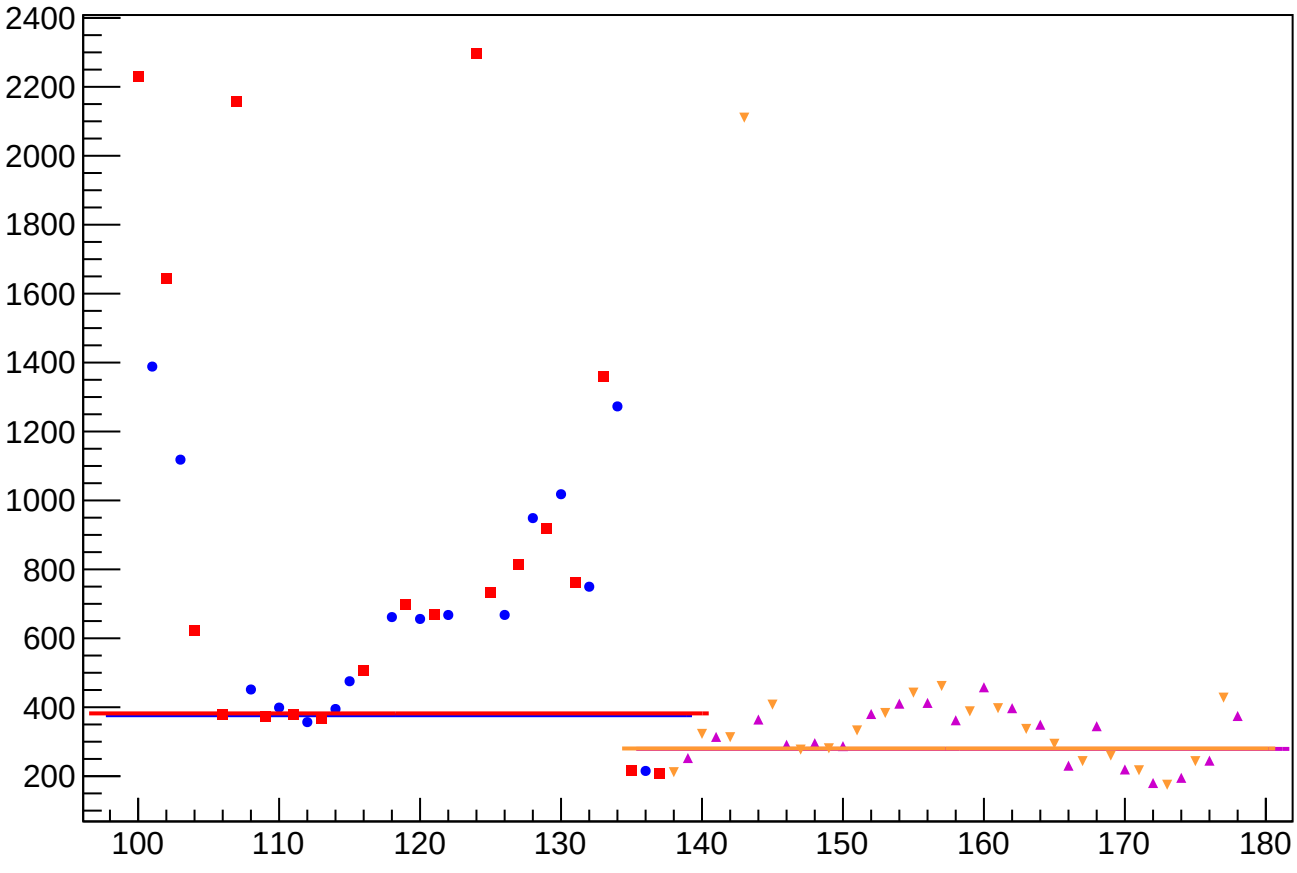
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -123.963+/-72.180 χ^2/NDF:13.2/19

+ sign -212.949+/-67.091 χ^2/NDF: 61.6/36

All: -174.066+/-47.195 χ^2/NDF: 89.7/75

- sign -135.978+/-66.402 χ^2/NDF: 27.4/38



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 280.328+/-0.052 χ^2/NDF:3491796.3/20

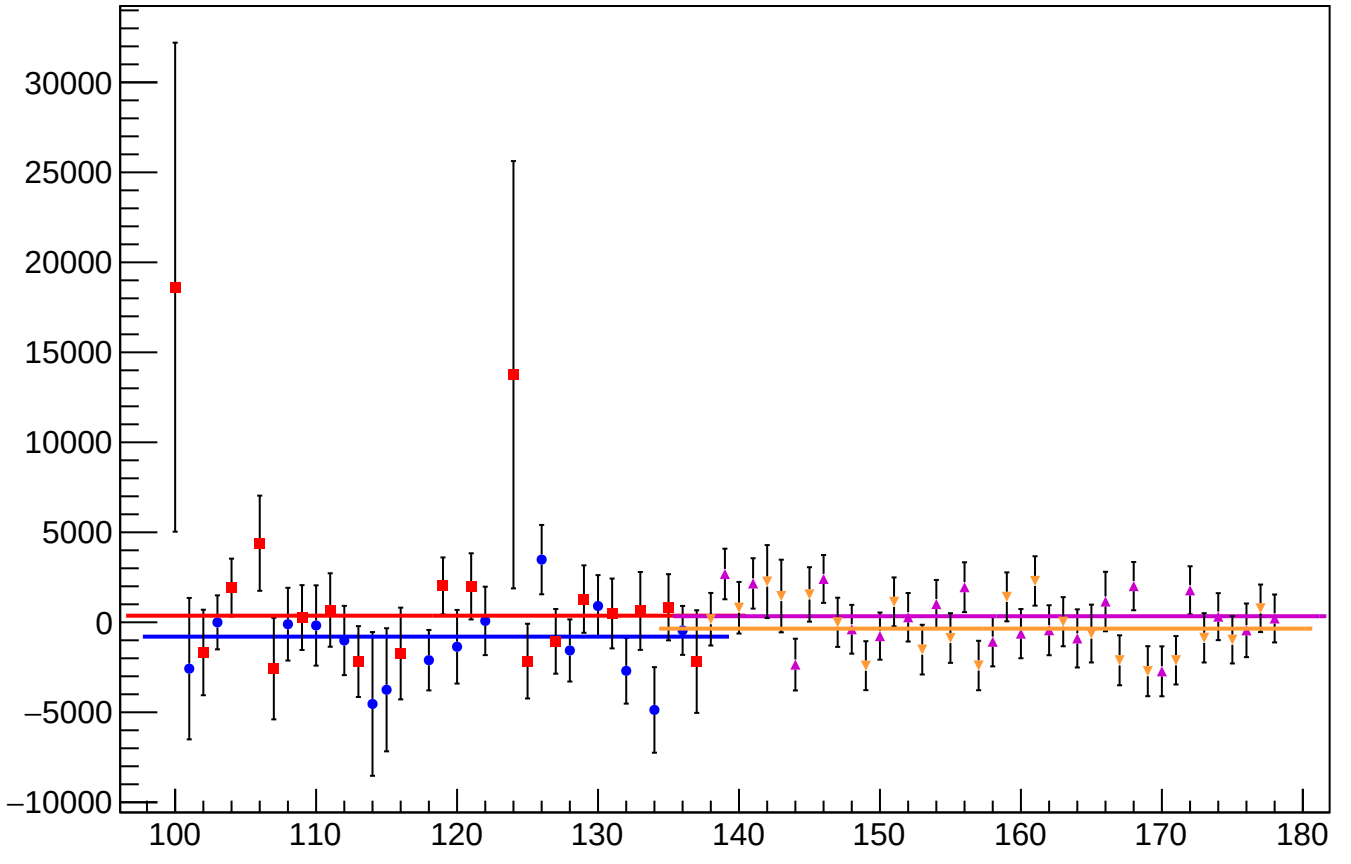
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 279.109+/-0.051 χ^2/NDF:2292490.1/19

+ sign 295.686+/-0.047 χ^2/NDF: 8239213.7/36

All: 295.311+/-0.033 χ^2/NDF: 15217680.3/75

- sign 294.943+/-0.047 χ^2/NDF: 6978342.8/38



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -351.144+/-310.829 χ^2/NDF:24.3/20

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

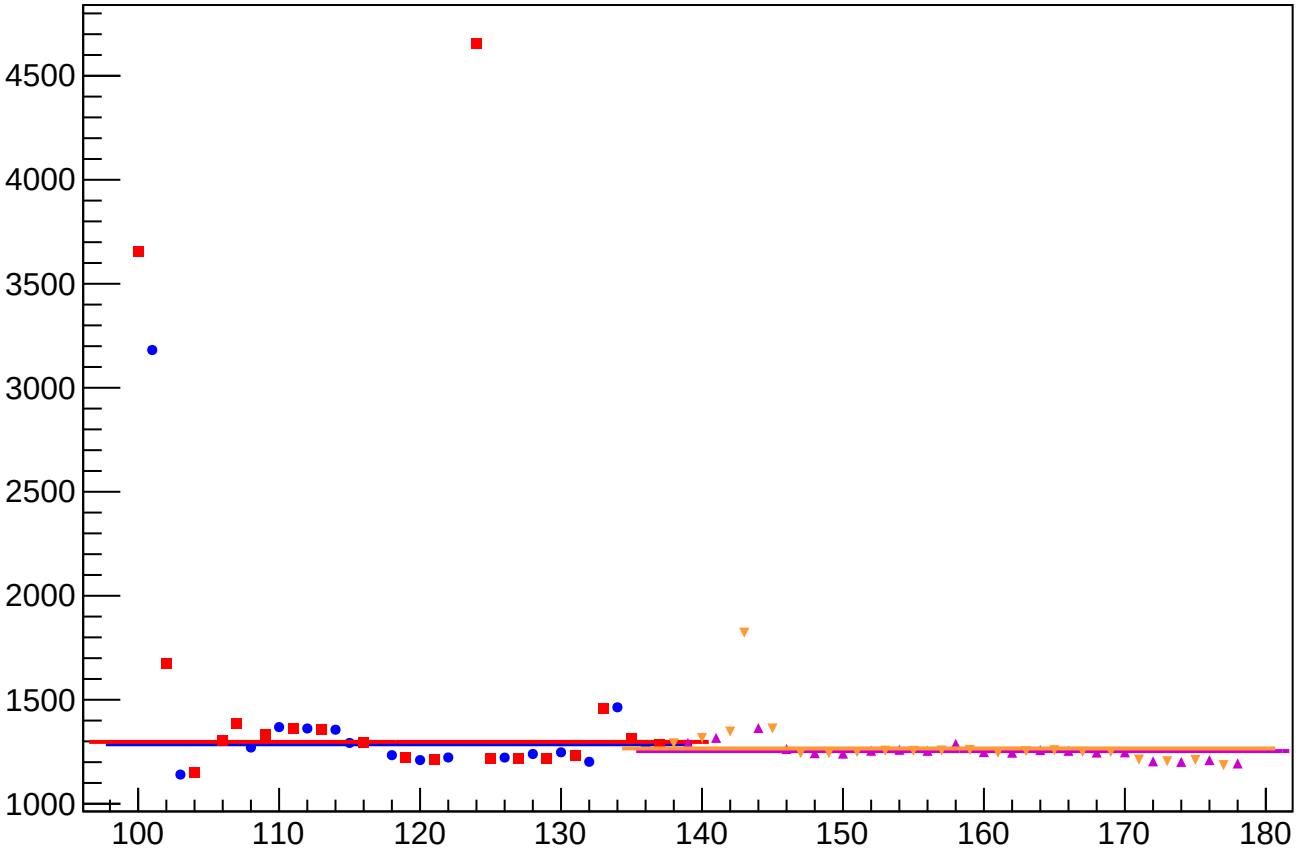
Left In: 337.523+/-310.167 χ^2/NDF:23.6/19

+ sign -479.994+/-262.081 χ^2/NDF: 38.3/36

All: -66.008+/-185.118 χ^2/NDF: 82.6/75

- sign 346.183+/-261.512 χ^2/NDF: 39.3/38

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: 1265.948+/-0.220 χ^2/NDF:187824.7/20

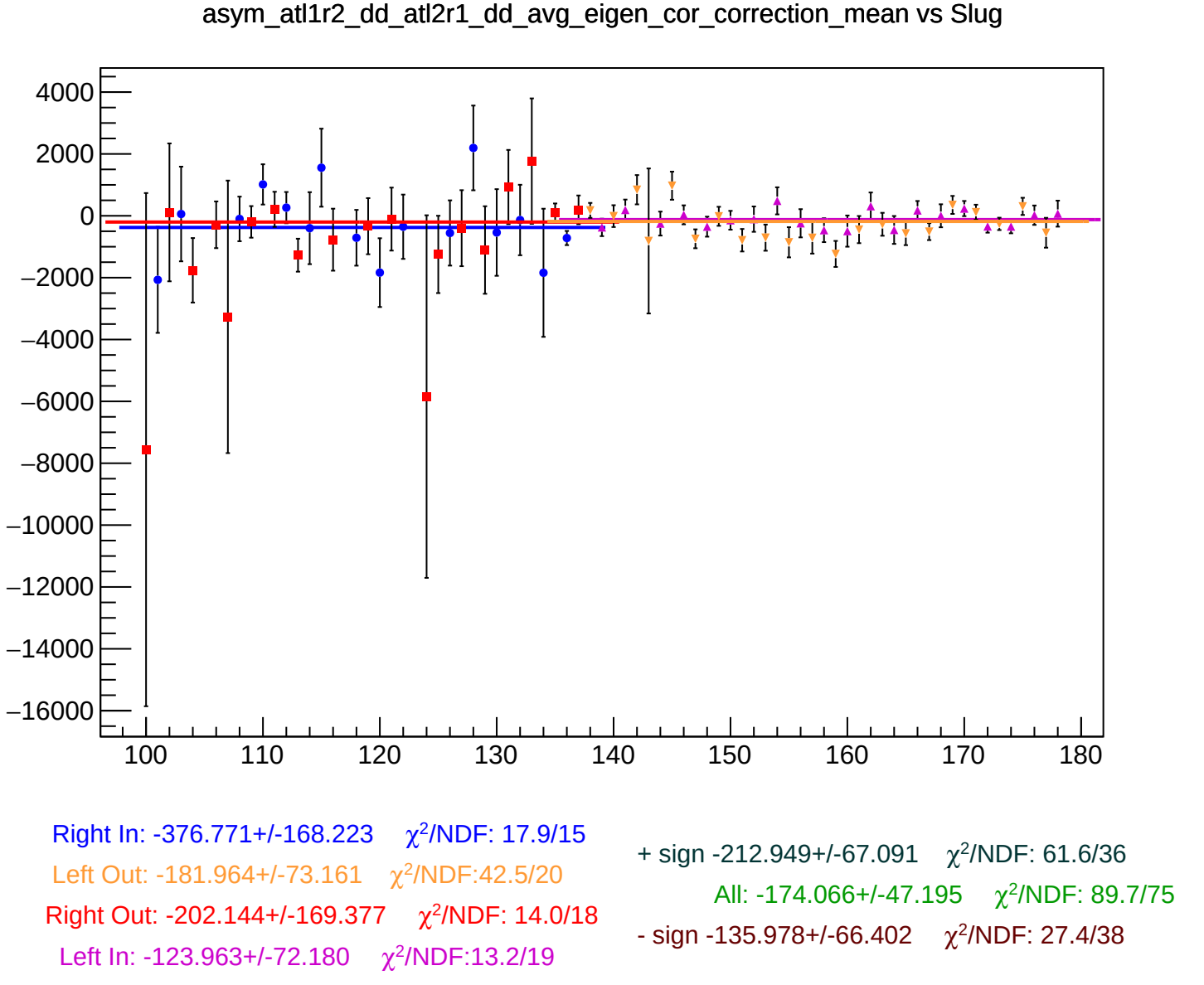
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

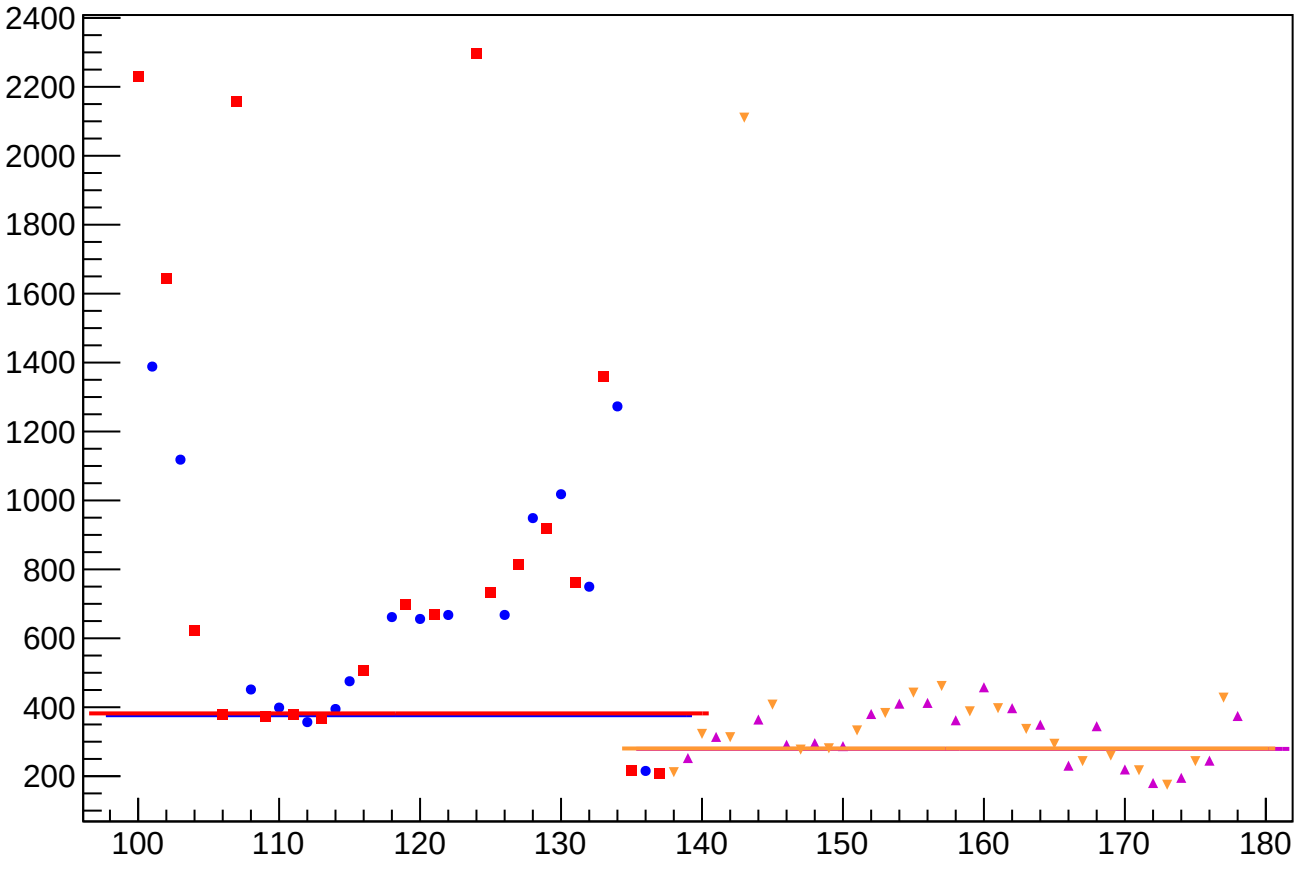
Left In: 1253.384+/-0.219 χ^2/NDF:31113.9/19

+ sign 1271.773+/-0.185 χ^2/NDF: 708382.4/36

All: 1268.934+/-0.131 χ^2/NDF: 1079348.2/75

- sign 1266.108+/-0.185 χ^2/NDF: 370497.7/38


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
−14000
−16000
100
110
120
130
140
150
160
170
180
Right In: -376.771+/-168.223 χ²/NDF: 17.9/15
Left Out: -181.964+/-73.161 χ²/NDF:42.5/20
Right Out: -202.144+/-169.377 χ²/NDF: 14.0/18
Left In: -123.963+/-72.180 χ²/NDF:13.2/19
+ sign -212.949+/-67.091 χ²/NDF: 61.6/36
All: -174.066+/-47.195 χ²/NDF: 89.7/75
- sign -135.978+/-66.402 χ²/NDF: 27.4/38



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 280.328+/-0.052 χ^2/NDF:3491796.3/20

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

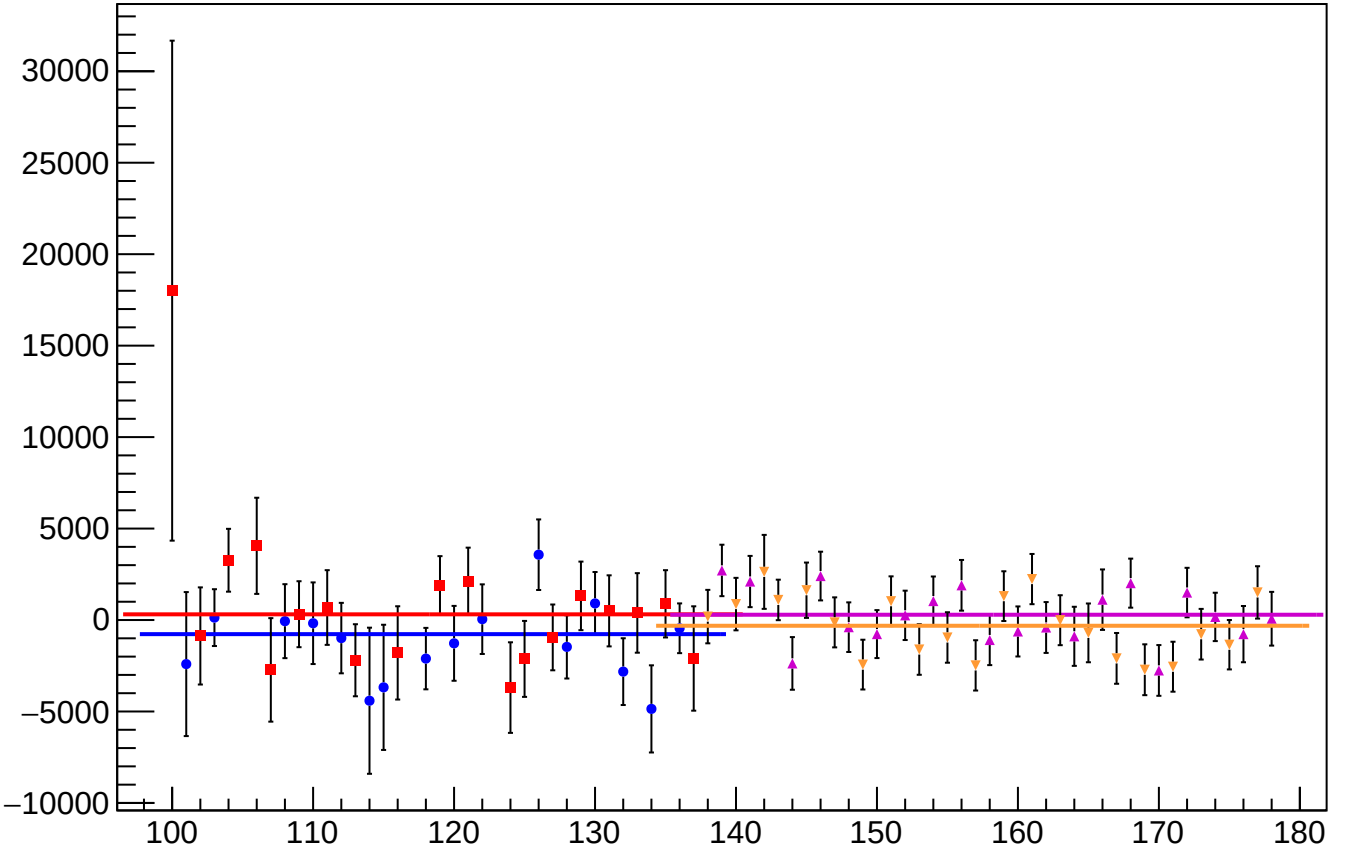
Left In: 279.109+/-0.051 χ^2/NDF:2292490.1/19

+ sign 295.686+/-0.047 χ^2/NDF: 8239213.7/36

All: 295.311+/-0.033 χ^2/NDF: 15217680.3/75

- sign 294.943+/-0.047 χ^2/NDF: 6978342.8/38

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: -313.387+/-304.686 χ^2/NDF:27.8/20

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

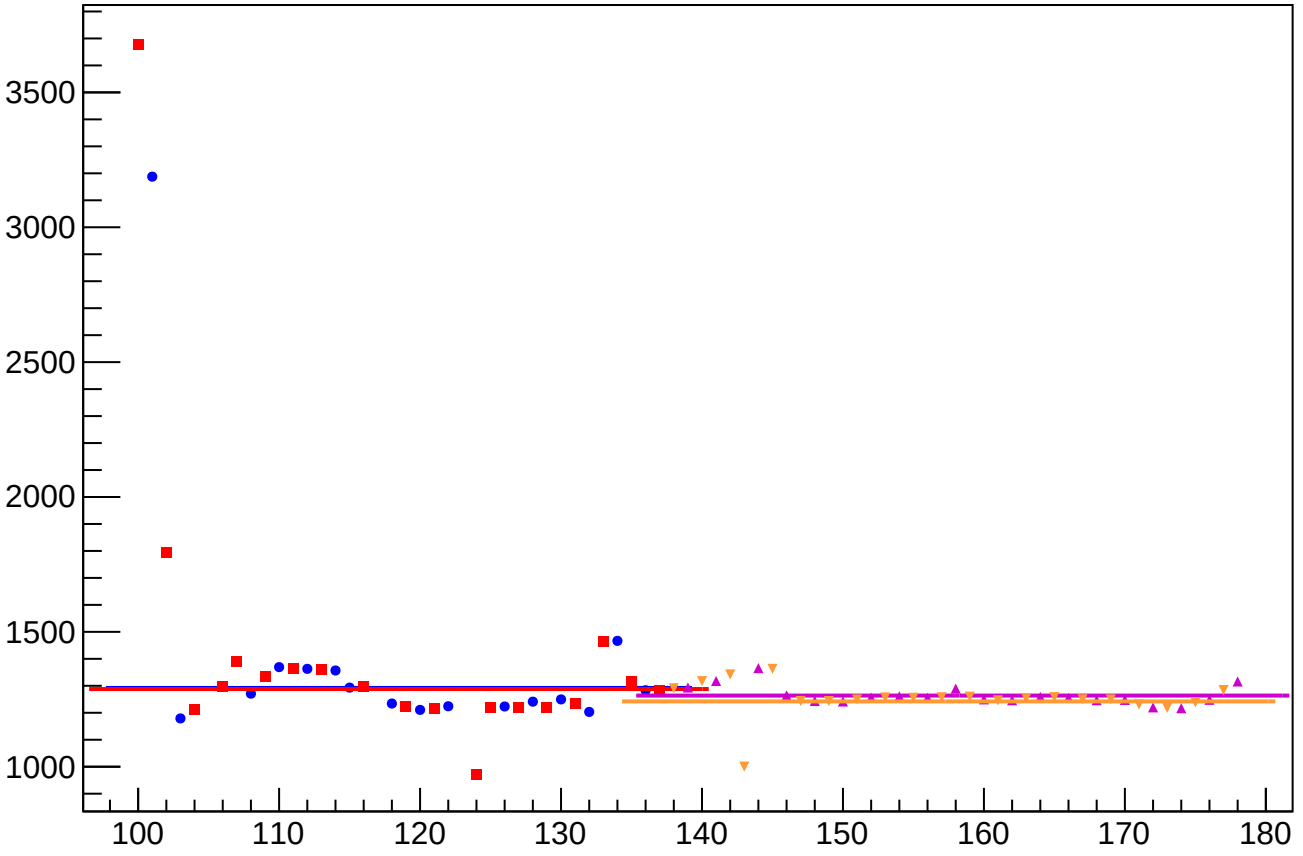
Left In: 288.852+/-312.718 χ^2/NDF:23.4/19

\+ sign -441.274+/-258.685 χ^2/NDF: 42.1/36

All: -78.190+/-184.233 χ^2/NDF: 87.4/75

\- sign 295.524+/-262.445 χ^2/NDF: 41.4/38

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1242.063+/-0.215 χ^2/NDF:124763.8/20

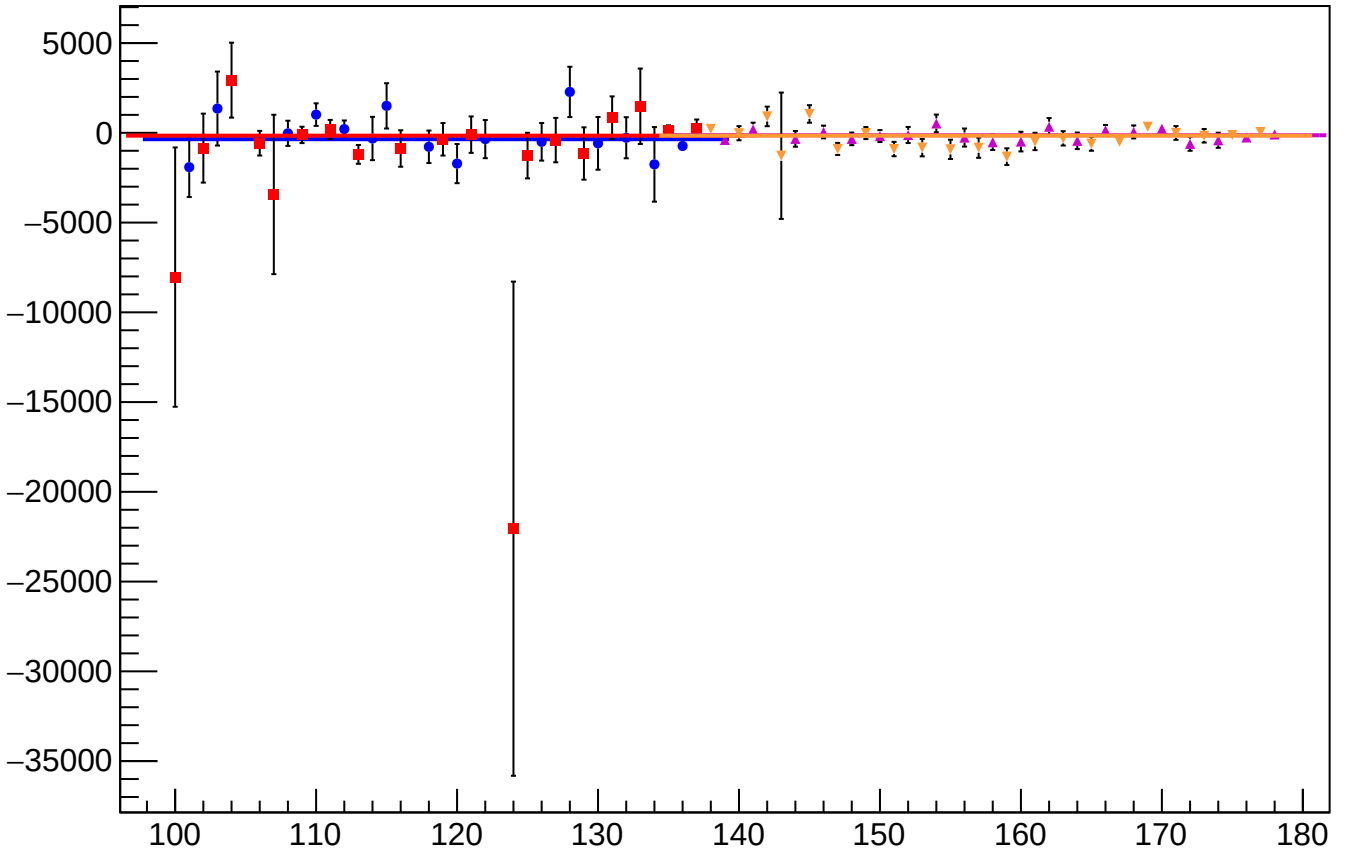
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1263.779+/-0.221 χ^2/NDF:24257.3/19

+ sign 1256.014+/-0.183 χ^2/NDF: 649190.8/36

All: 1263.368+/-0.130 χ^2/NDF: 889481.1/75

- sign 1270.937+/-0.186 χ^2/NDF: 237010.2/38



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -157.443+/-69.193 χ^2/NDF:41.5/20

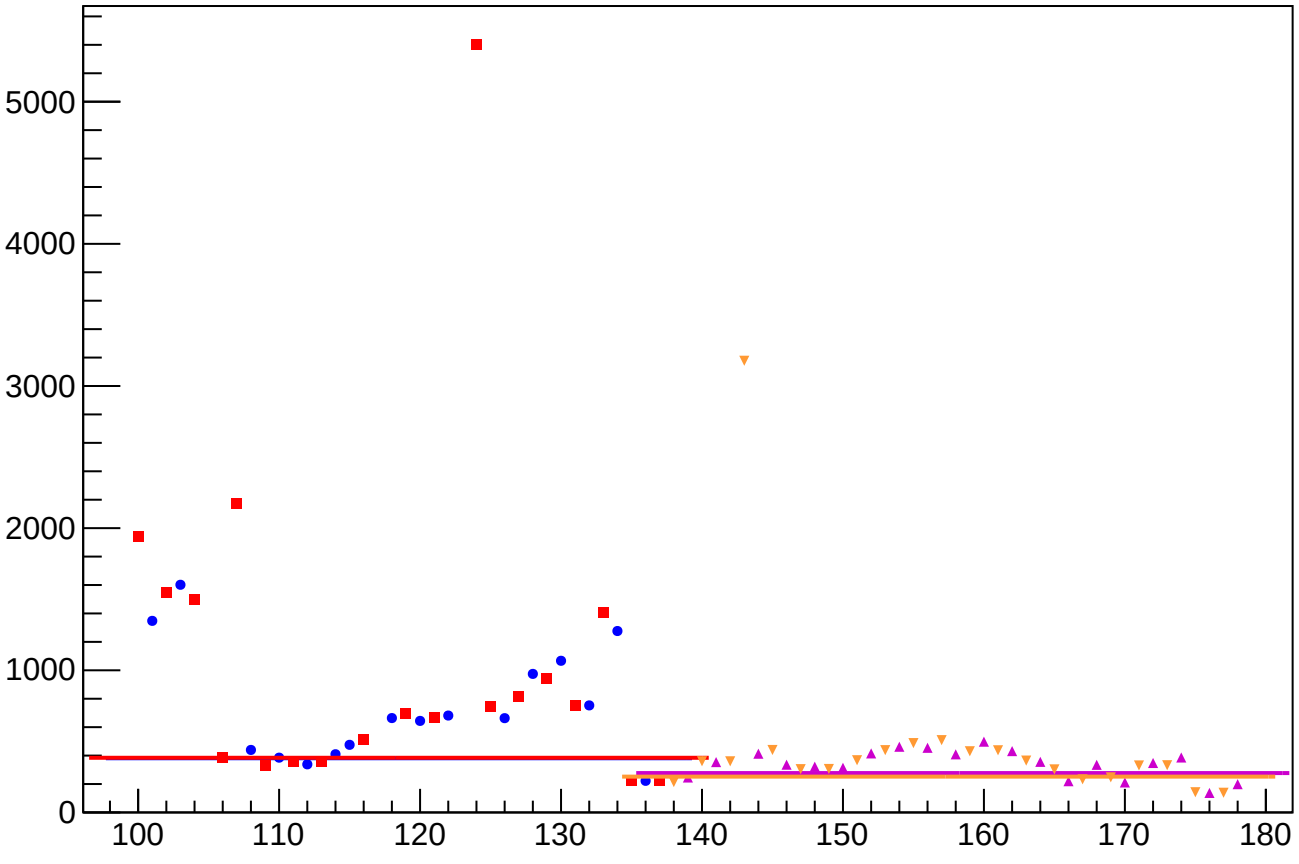
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -135.587+/-73.662 χ^2/NDF:13.0/19

+ sign -185.561+/-64.087 χ^2/NDF: 61.1/36

All: -163.572+/-46.498 χ^2/NDF: 90.3/75

- sign -139.130+/-67.568 χ^2/NDF: 28.9/38



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 252.063+/-0.049 χ^2/NDF:6277747.8/20

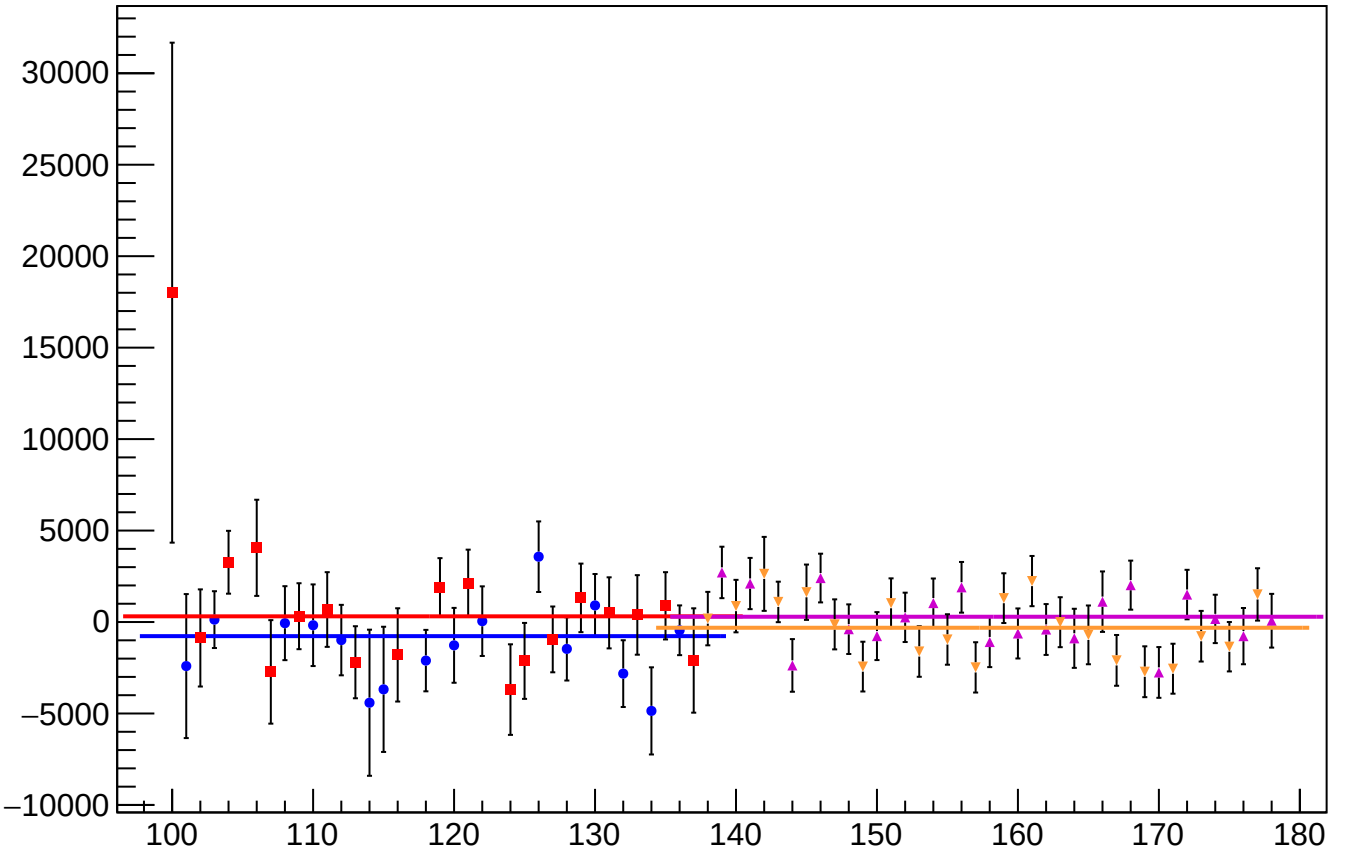
Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 277.021+/-0.052 χ^2/NDF:3988205.7/19

+ sign 270.442+/-0.045 χ^2/NDF: 11588312.3/36

All: 281.642+/-0.033 χ^2/NDF: 20942894.8/75

- sign 294.091+/-0.048 χ^2/NDF: 9225615.6/38



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: -313.386+/-304.686 χ^2/NDF:27.8/20

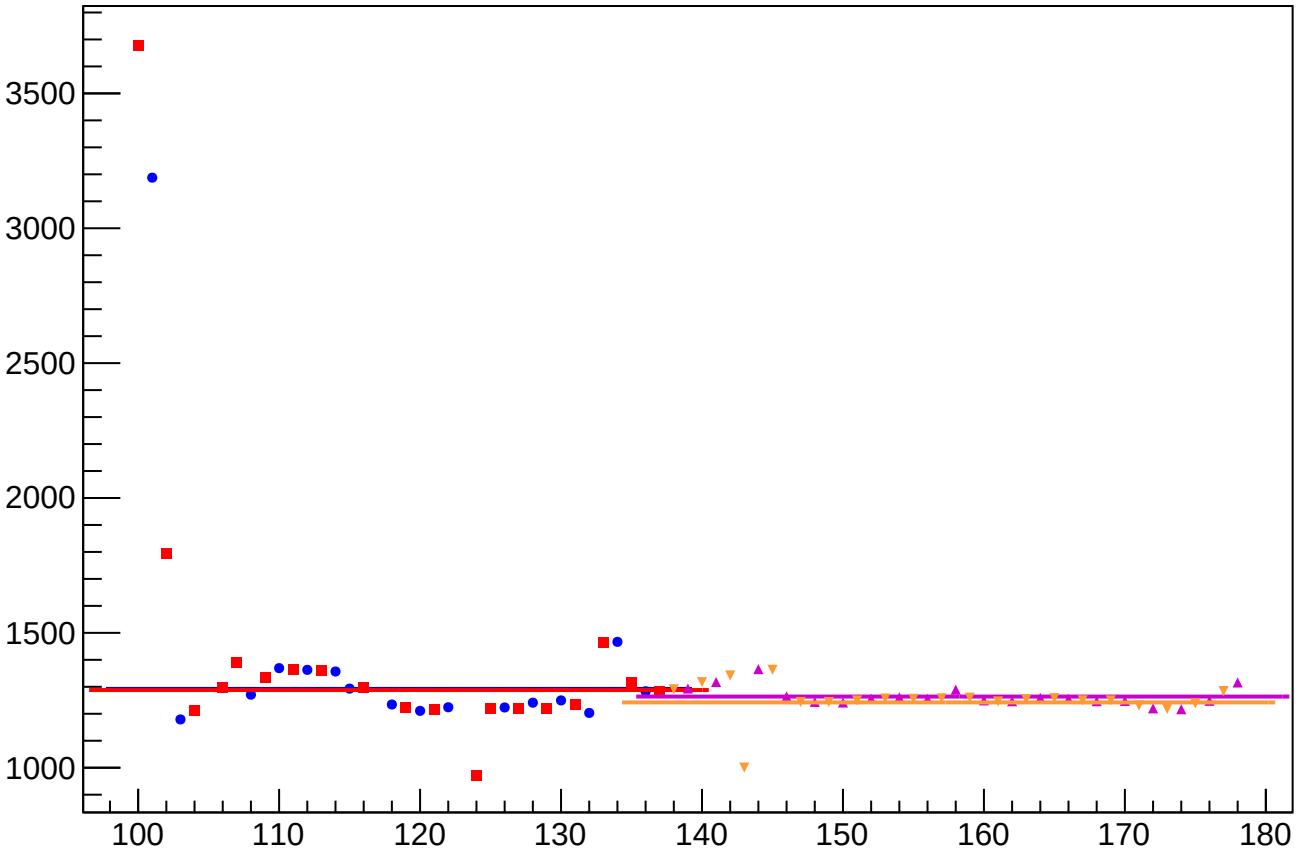
Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

Left In: 288.853+/-312.718 χ^2/NDF:23.4/19

\+ sign -441.274+/-258.685 χ^2/NDF: 42.1/36

All: -78.190+/-184.233 χ^2/NDF: 87.4/75

\- sign 295.525+/-262.445 χ^2/NDF: 41.4/38



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1242.063+/-0.215 χ^2/NDF:124763.1/20

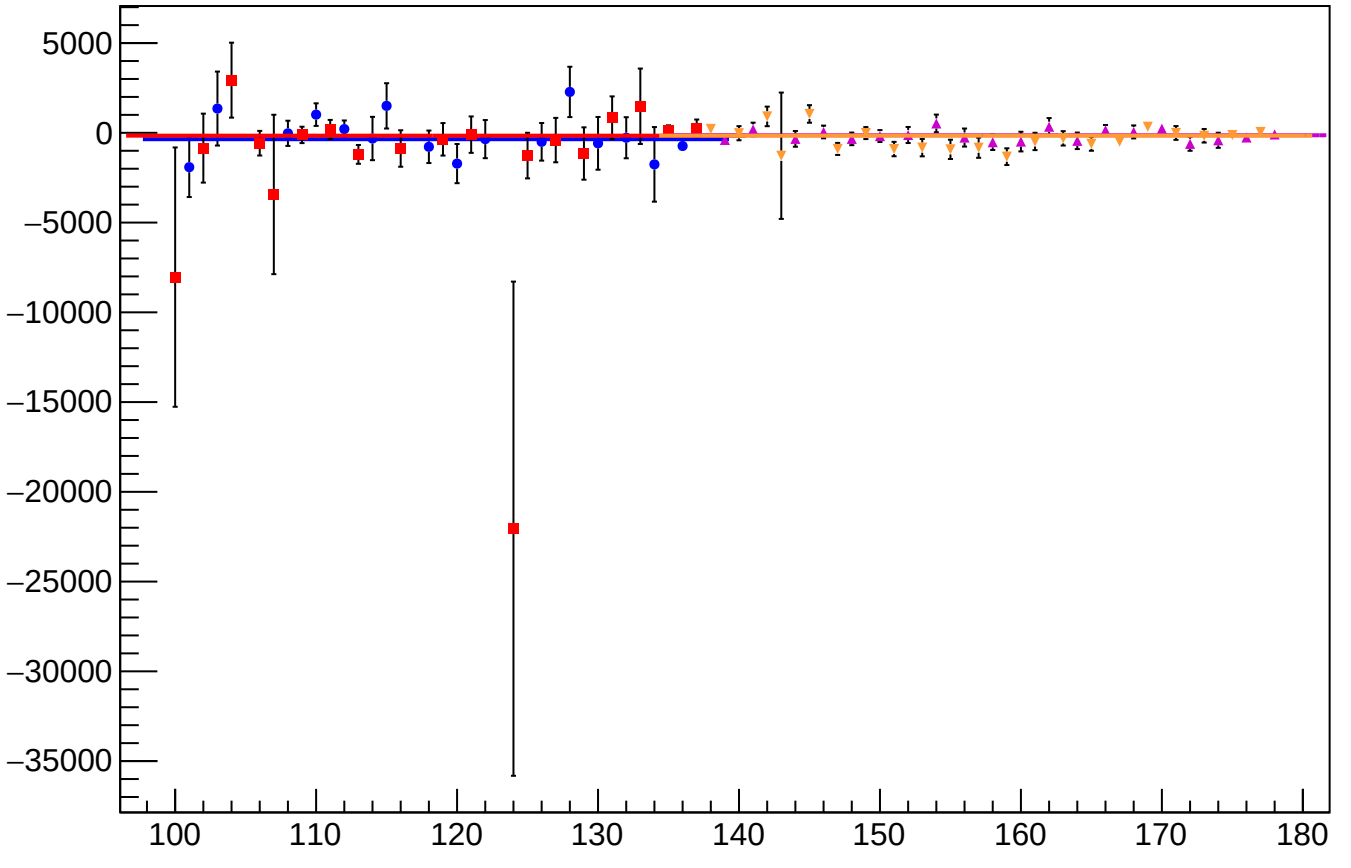
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1263.779+/-0.221 χ^2/NDF:24257.4/19

+ sign 1256.014+/-0.183 χ^2/NDF: 649190.0/36

All: 1263.368+/-0.130 χ^2/NDF: 889480.7/75

- sign 1270.937+/-0.186 χ^2/NDF: 237010.6/38



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -157.448+/-69.194 χ^2/NDF:41.5/20

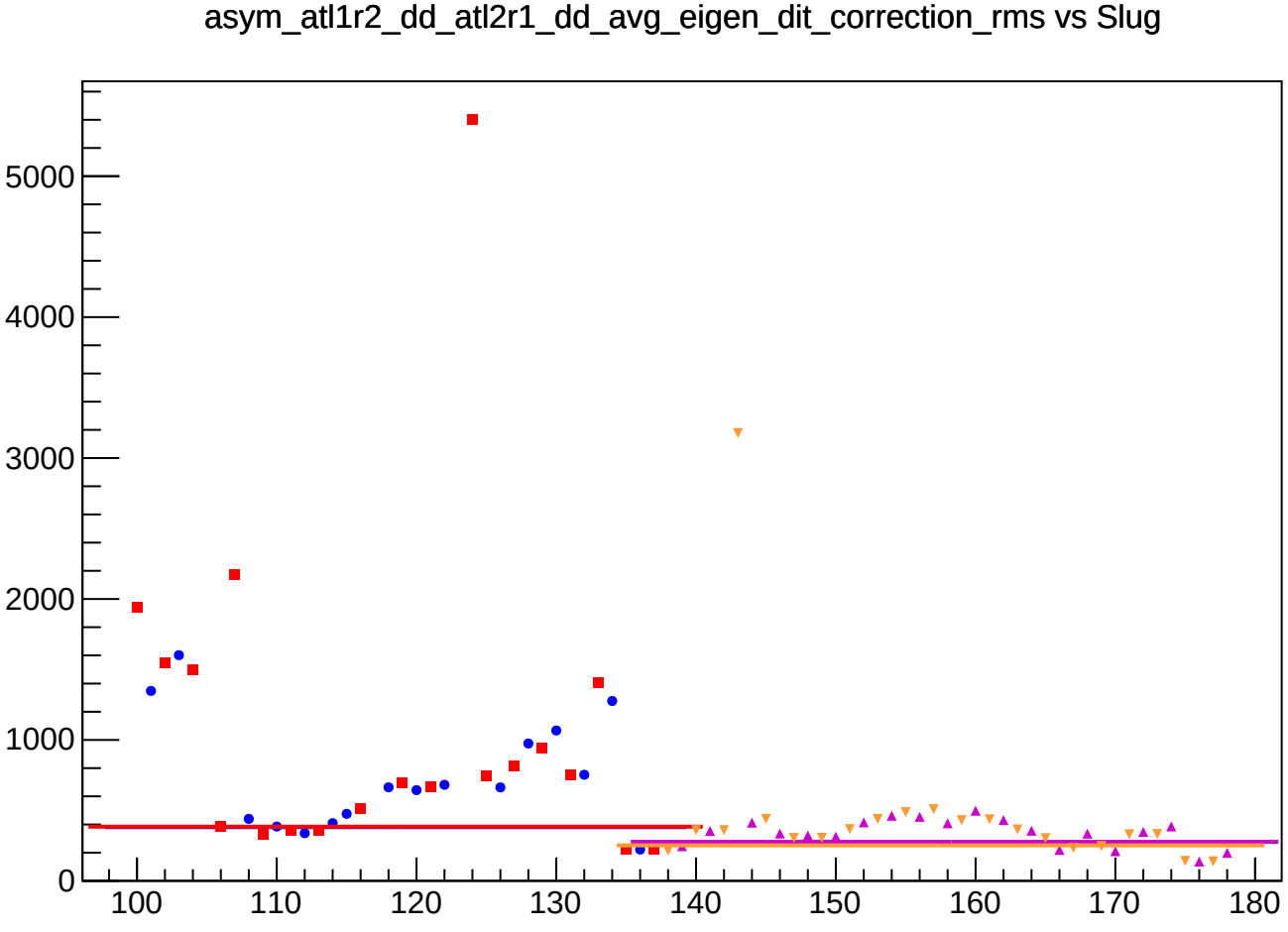
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -135.586+/-73.662 χ^2/NDF:13.0/19

+ sign -185.564+/-64.087 χ^2/NDF: 61.1/36

All: -163.574+/-46.498 χ^2/NDF: 90.3/75

- sign -139.130+/-67.568 χ^2/NDF: 28.9/38



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 252.065+/-0.049 χ^2/NDF:6277656.5/20

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

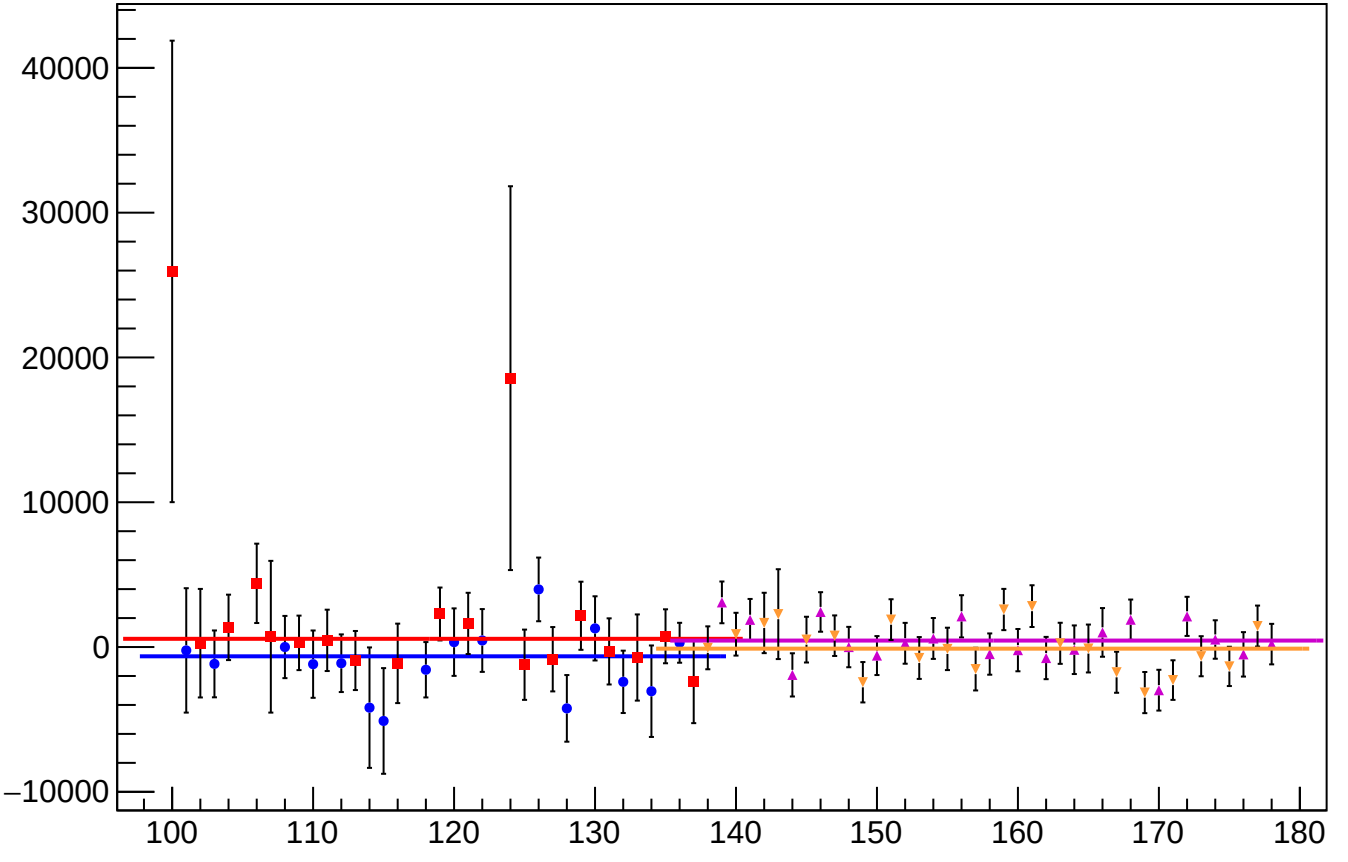
Left In: 277.021+/-0.052 χ^2/NDF:3988159.1/19

+ sign 270.445+/-0.045 χ^2/NDF: 11588132.2/36

All: 281.644+/-0.033 χ^2/NDF: 20942588.3/75

- sign 294.092+/-0.048 χ^2/NDF: 9225500.2/38

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: -112.140+/-324.263 χ^2/NDF:26.6/20

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

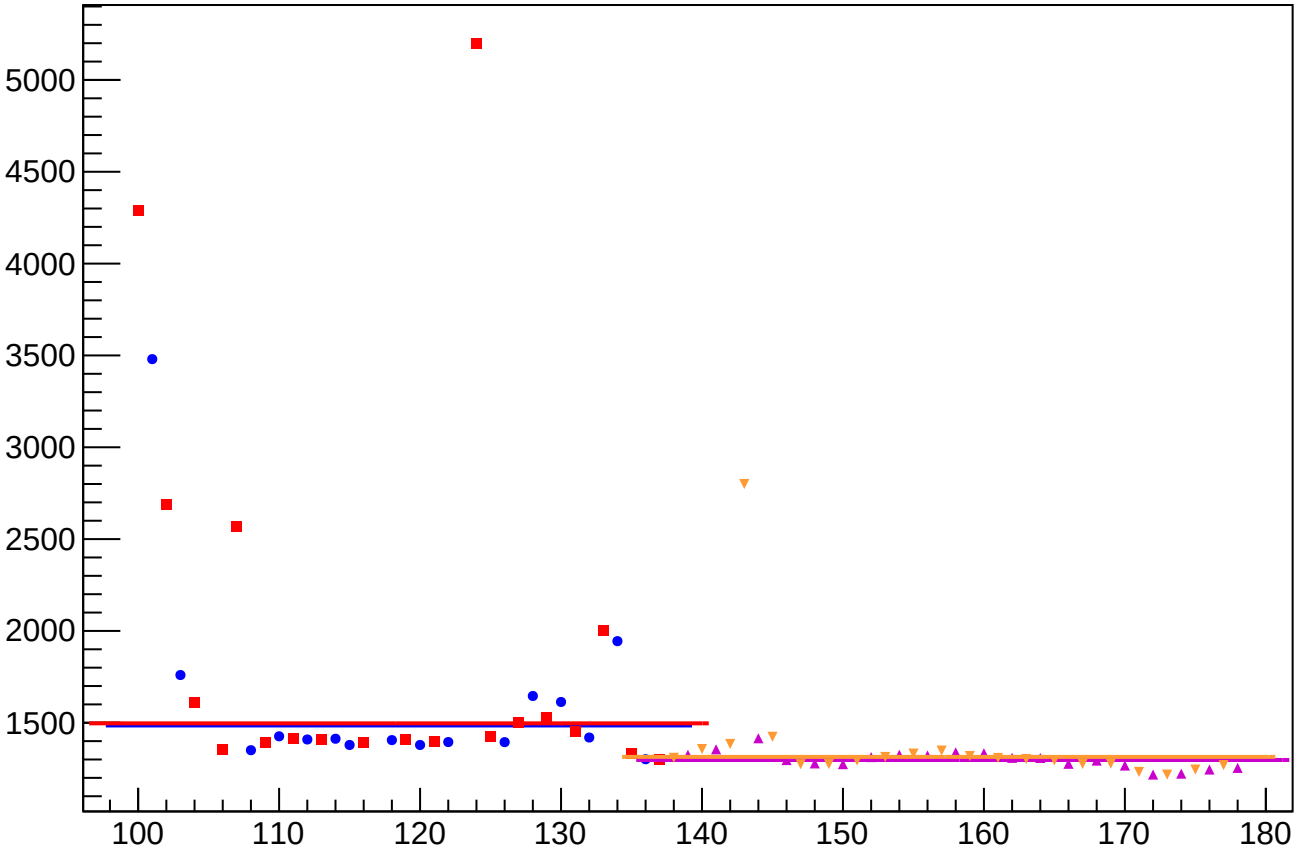
Left In: 446.954+/-321.102 χ^2/NDF:21.5/19

+ sign -243.354+/-281.159 χ^2/NDF: 39.8/36

All: 118.699+/-198.178 χ^2/NDF: 75.9/75

- sign 476.184+/-279.380 χ^2/NDF: 32.9/38

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1314.244+/-0.229 χ^2/NDF:504421.4/20

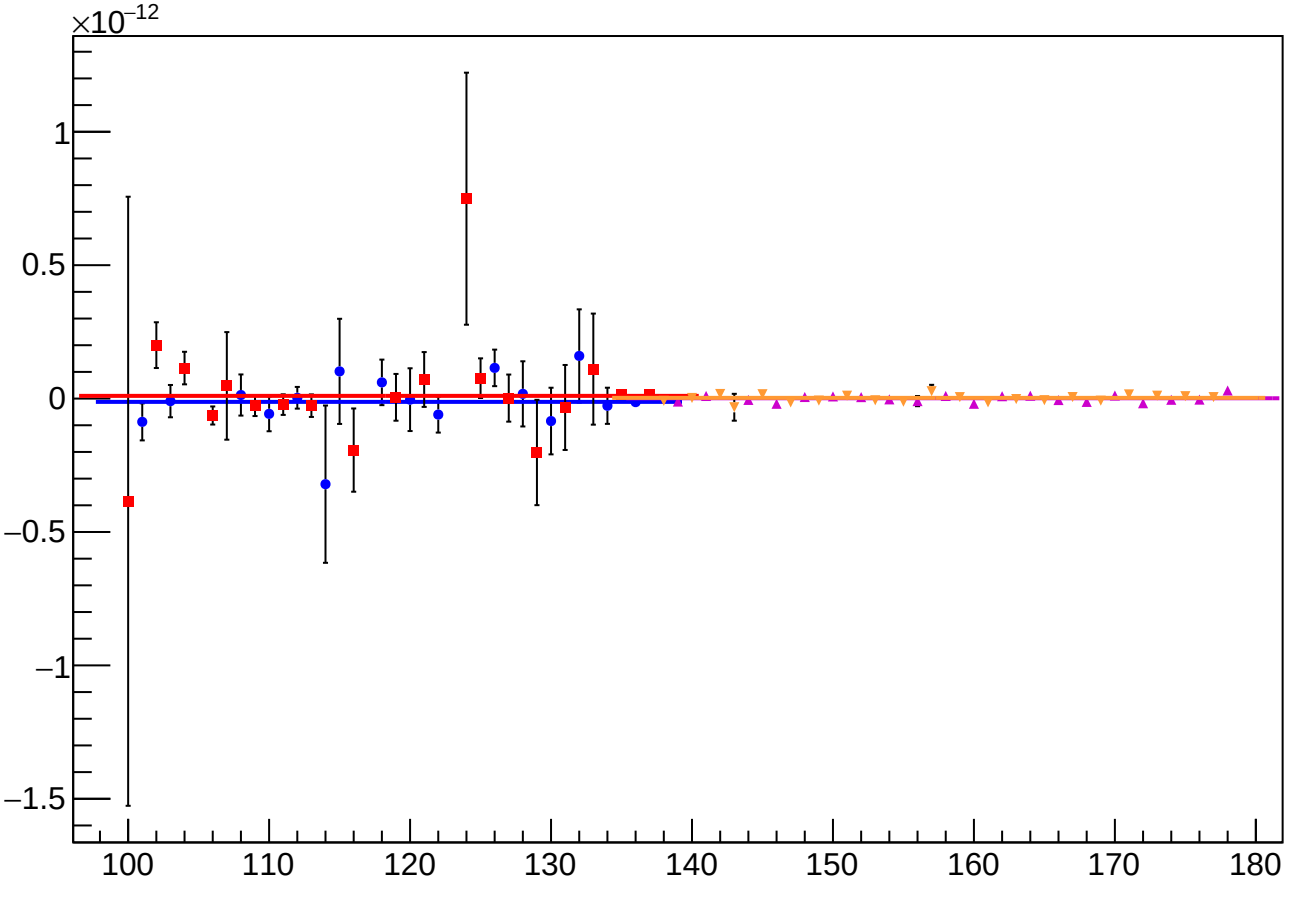
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1297.339+/-0.227 χ^2/NDF:40935.2/19

+ sign 1356.716+/-0.199 χ^2/NDF: 1227136.7/36

All: 1351.234+/-0.140 χ^2/NDF: 2080513.5/75

- sign 1345.820+/-0.198 χ^2/NDF: 851865.6/38



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.0/20

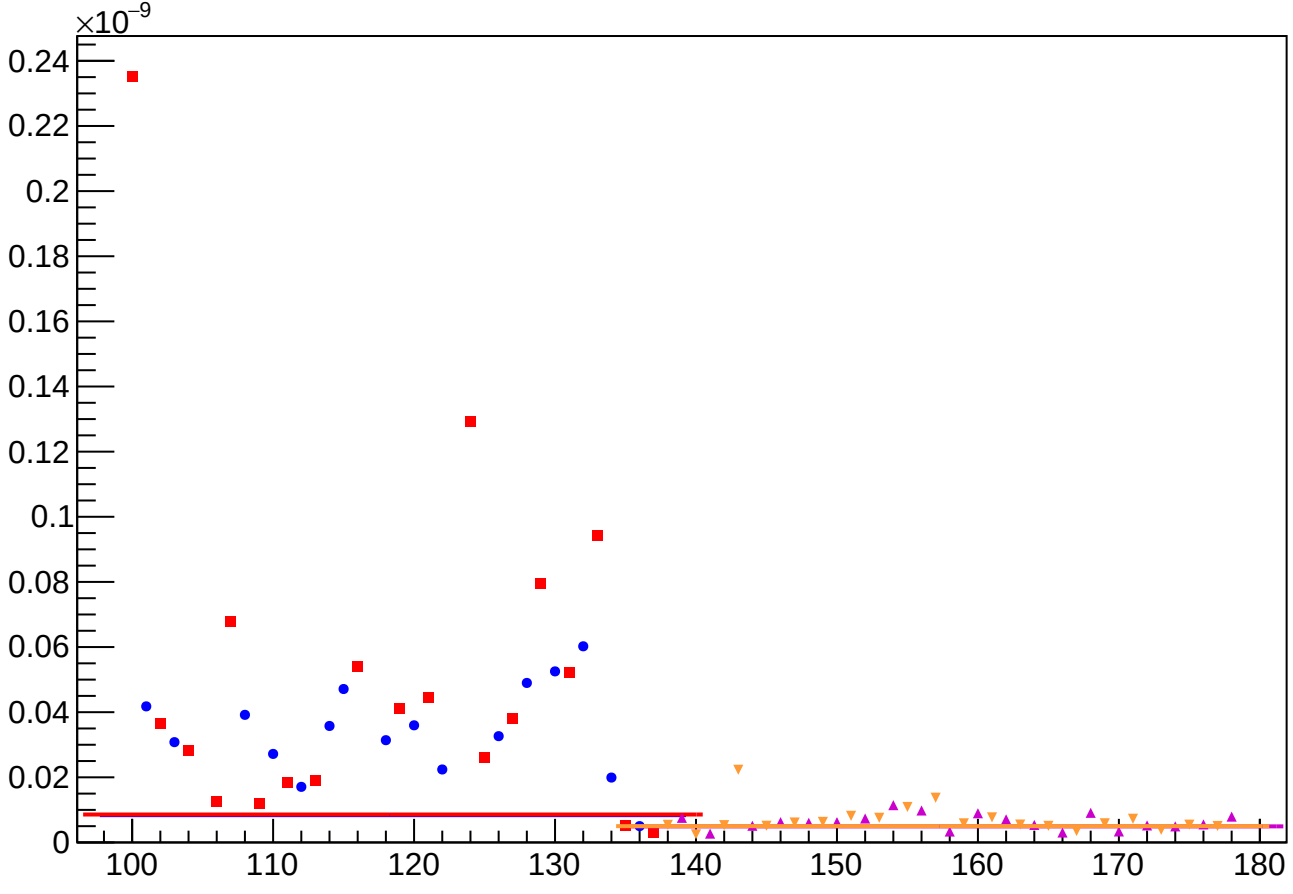
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:24.9/19

+ sign 0.000+/-0.000 χ^2/NDF: 32.2/36

All: 0.000+/-0.000 χ^2/NDF: 80.6/75

- sign 0.000+/-0.000 χ^2/NDF: 48.4/38



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1887485.0/20

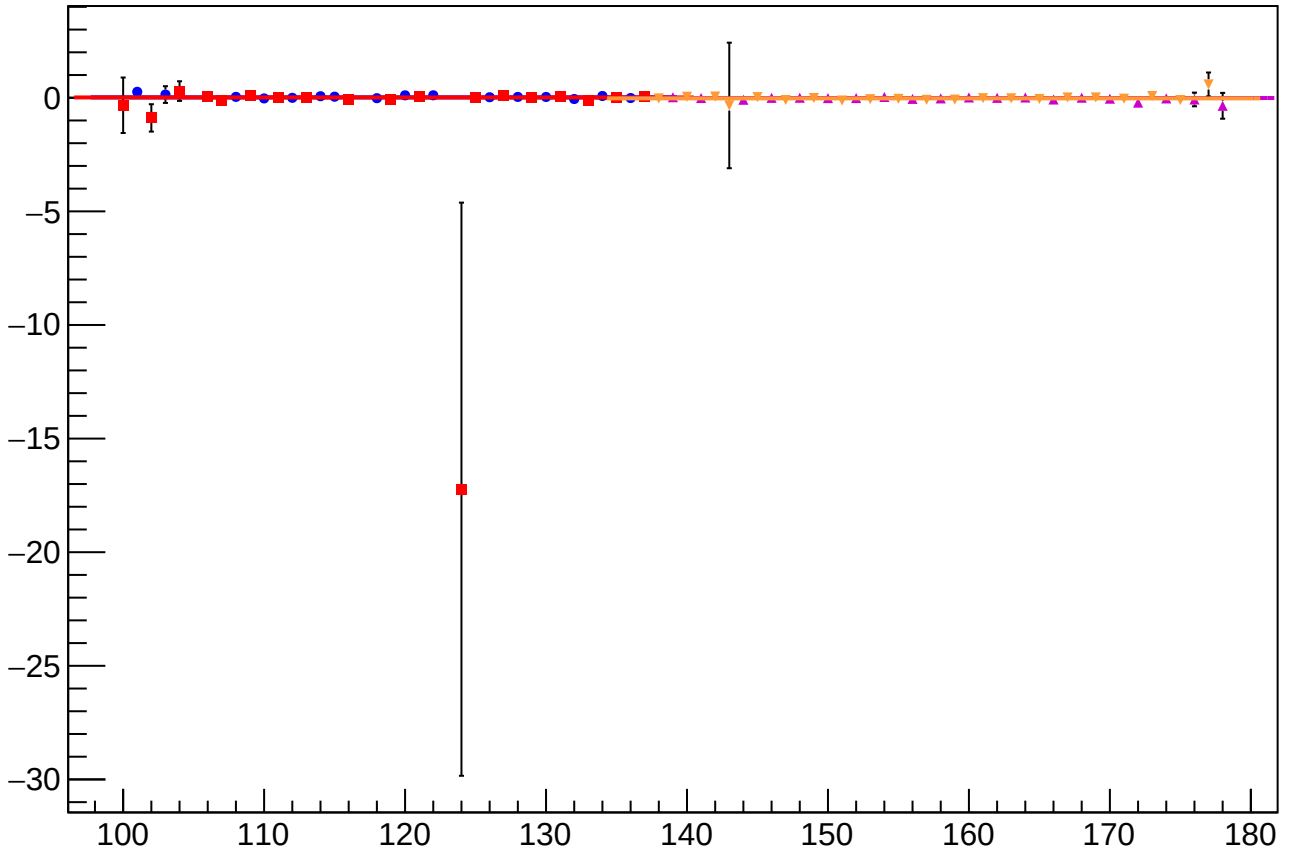
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1762003.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 5328546.1/36

All: 0.000+/-0.000 χ^2/NDF: 10824637.9/75

- sign 0.000+/-0.000 χ^2/NDF: 5494834.1/38



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:25.2/20

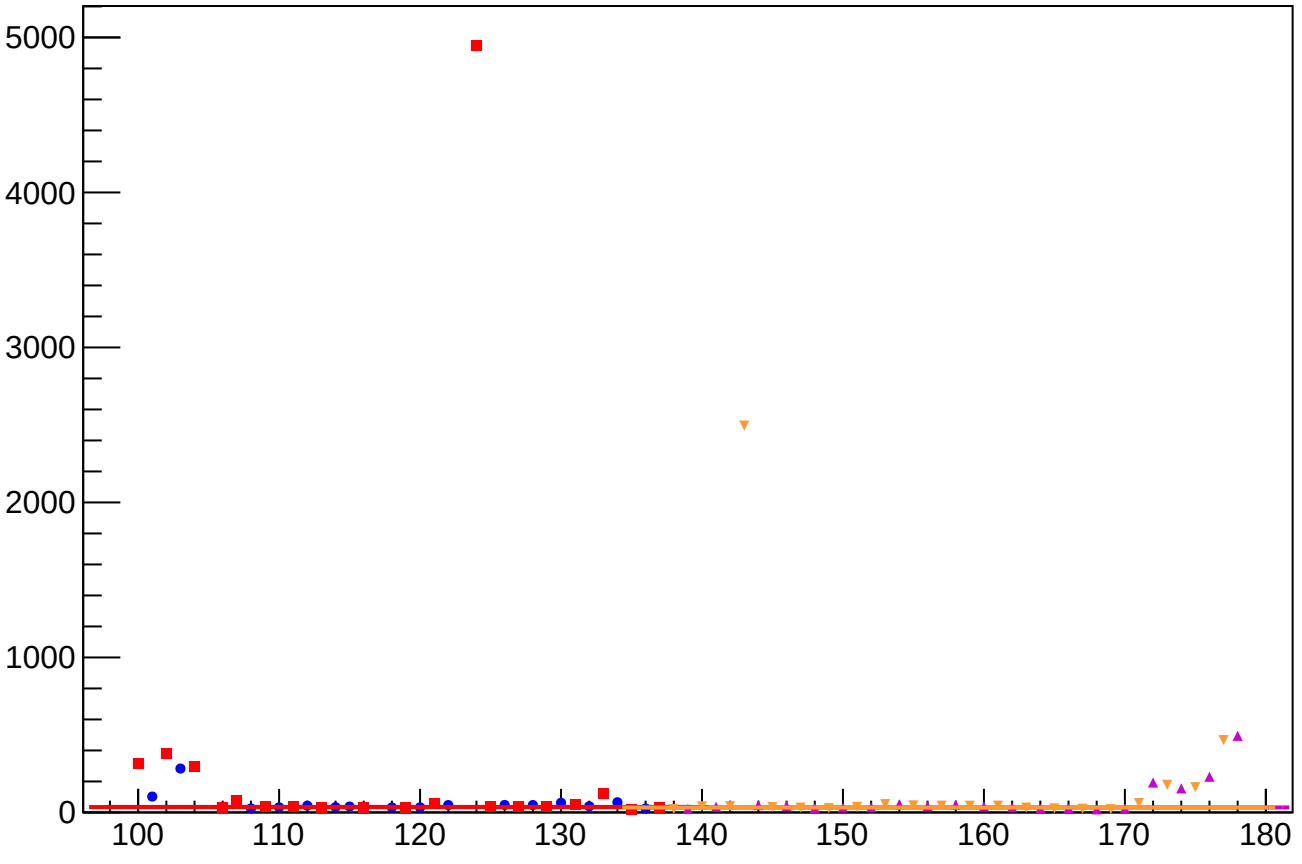
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.012+/-0.010 χ^2/NDF:11.1/19

+ sign -0.015+/-0.008 χ^2/NDF: 42.5/36

All: -0.010+/-0.006 χ^2/NDF: 72.3/75

- sign -0.005+/-0.008 χ^2/NDF: 29.0/38



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 31.819+/-0.007 χ^2/NDF:6685097.5/20

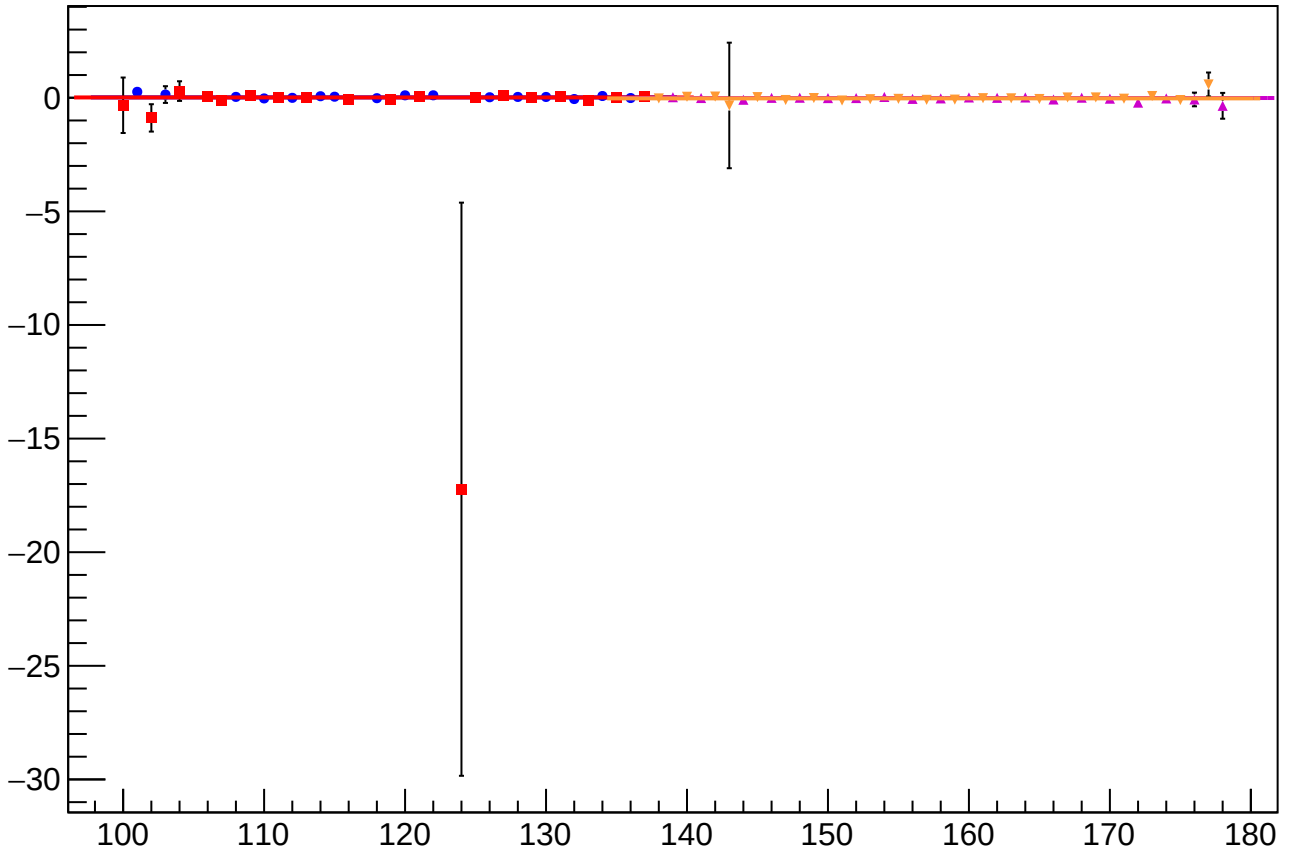
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.159+/-0.007 χ^2/NDF:5951814.5/19

\+ sign 32.901+/-0.006 χ^2/NDF: 9043315.2/36

All: 32.887+/-0.004 χ^2/NDF: 17950888.4/75

\- sign 32.872+/-0.006 χ^2/NDF: 8907561.1/38



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:25.2/20

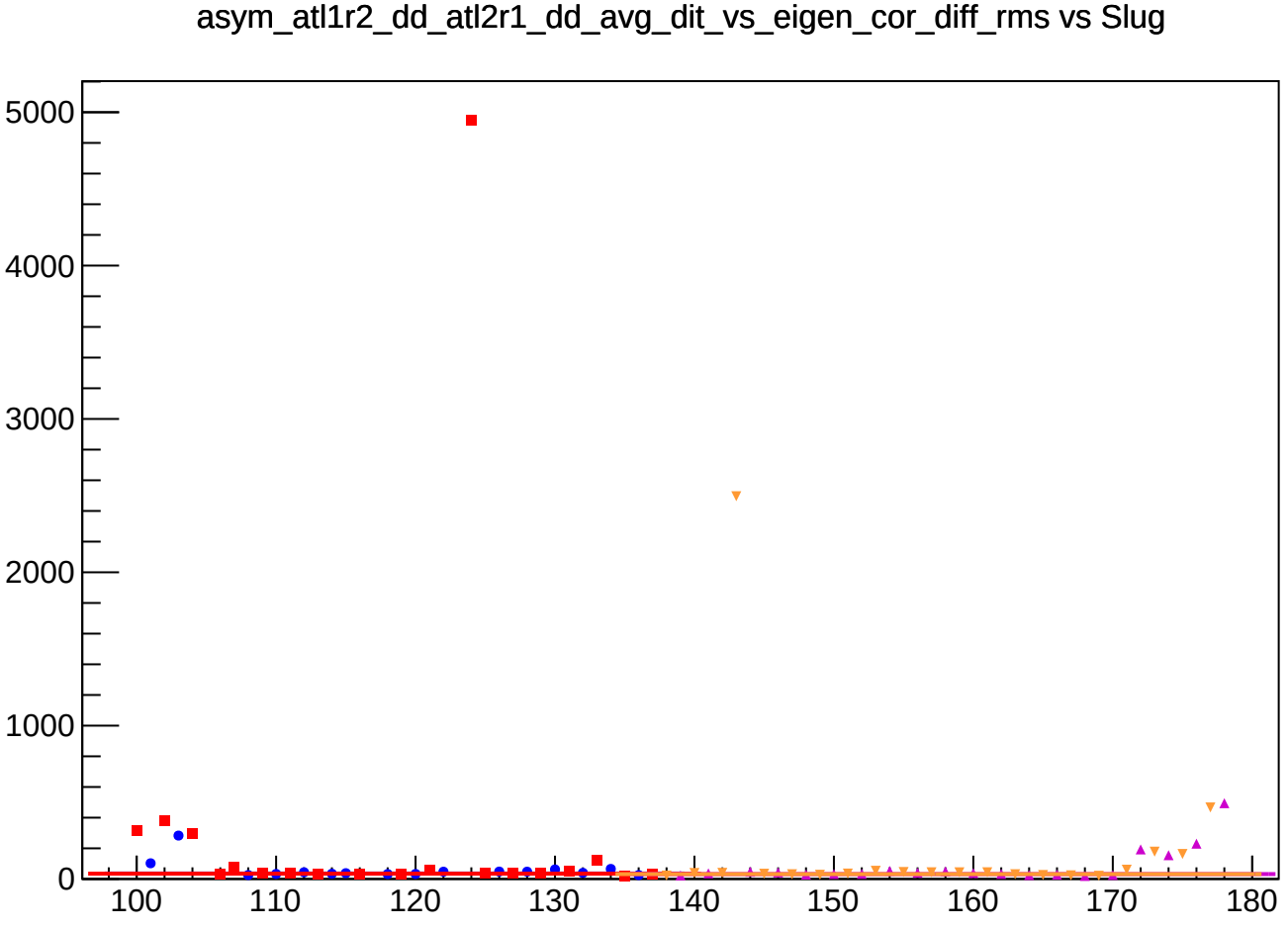
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.012+/-0.010 χ^2/NDF:11.1/19

+ sign -0.015+/-0.008 χ^2/NDF: 42.5/36

All: -0.010+/-0.006 χ^2/NDF: 72.3/75

- sign -0.005+/-0.008 χ^2/NDF: 29.0/38



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 31.819+/-0.007 χ^2/NDF:6685097.5/20

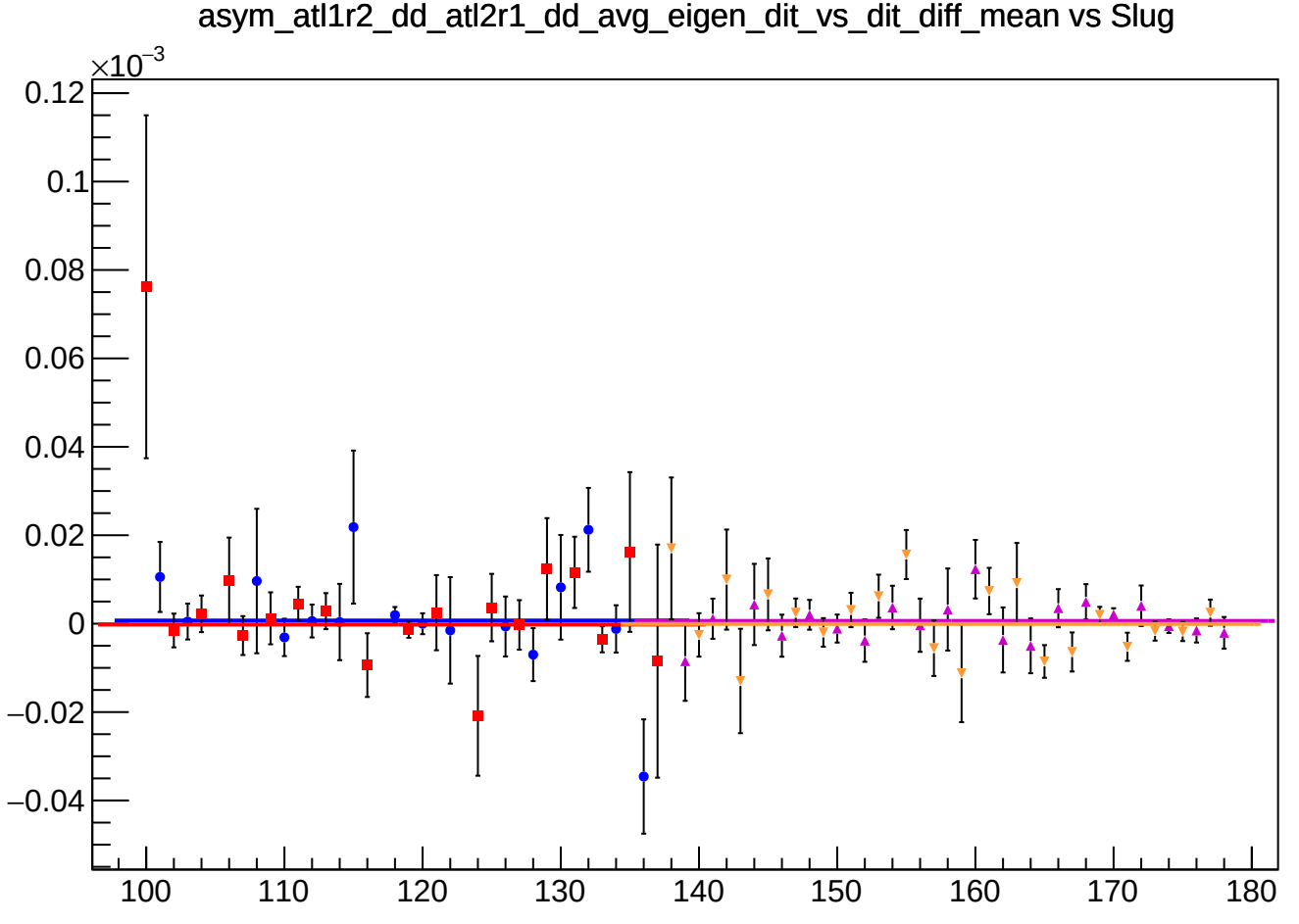
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.159+/-0.007 χ^2/NDF:5951814.5/19

+ sign 32.901+/-0.006 χ^2/NDF: 9043315.2/36

All: 32.887+/-0.004 χ^2/NDF: 17950888.4/75

- sign 32.872+/-0.006 χ^2/NDF: 8907561.1/38



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.2/20

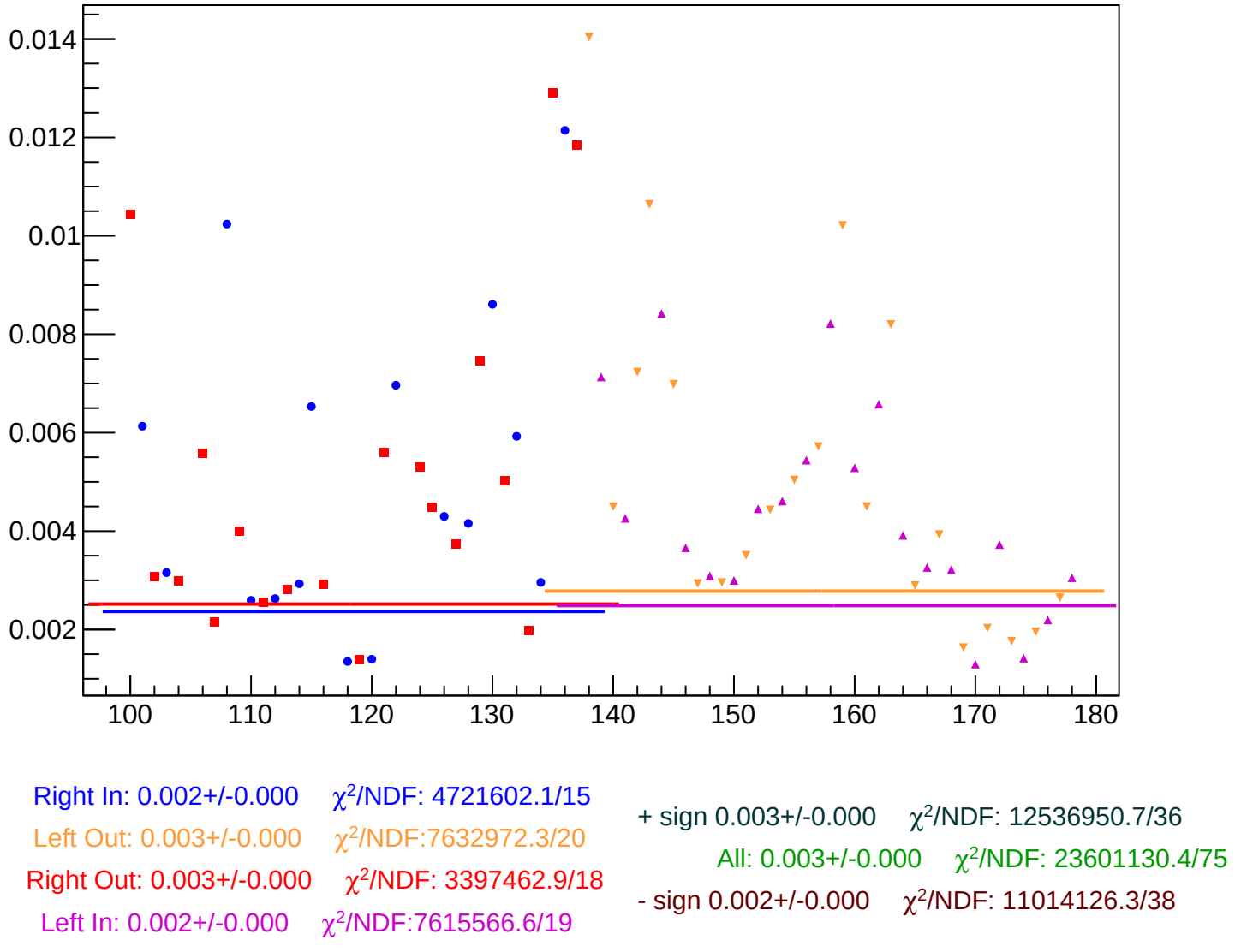
Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

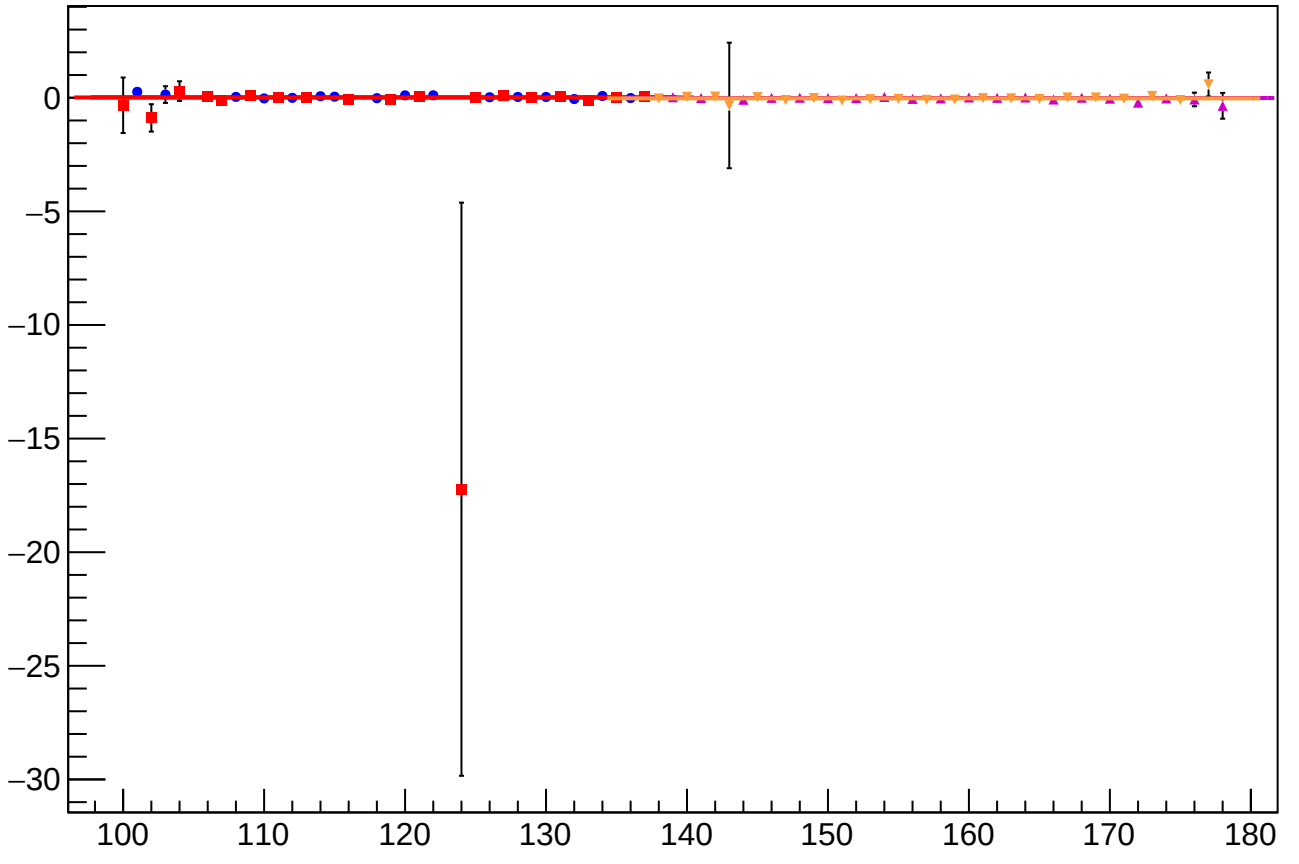
Left In: 0.000+/-0.000 χ^2/NDF:12.7/19

+ sign 0.000+/-0.000 χ^2/NDF: 52.7/36

All: 0.000+/-0.000 χ^2/NDF: 83.9/75

- sign 0.000+/-0.000 χ^2/NDF: 31.2/38


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
160
170
180
Right In: 0.002+/-0.000 χ²/NDF: 4721602.1/15
Left Out: 0.003+/-0.000 χ²/NDF:7632972.3/20
Right Out: 0.003+/-0.000 χ²/NDF: 3397462.9/18
Left In: 0.002+/-0.000 χ²/NDF:7615566.6/19
+ sign 0.003+/-0.000 χ²/NDF: 12536950.7/36
All: 0.003+/-0.000 χ²/NDF: 23601130.4/75
- sign 0.002+/-0.000 χ²/NDF: 11014126.3/38



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:25.2/20

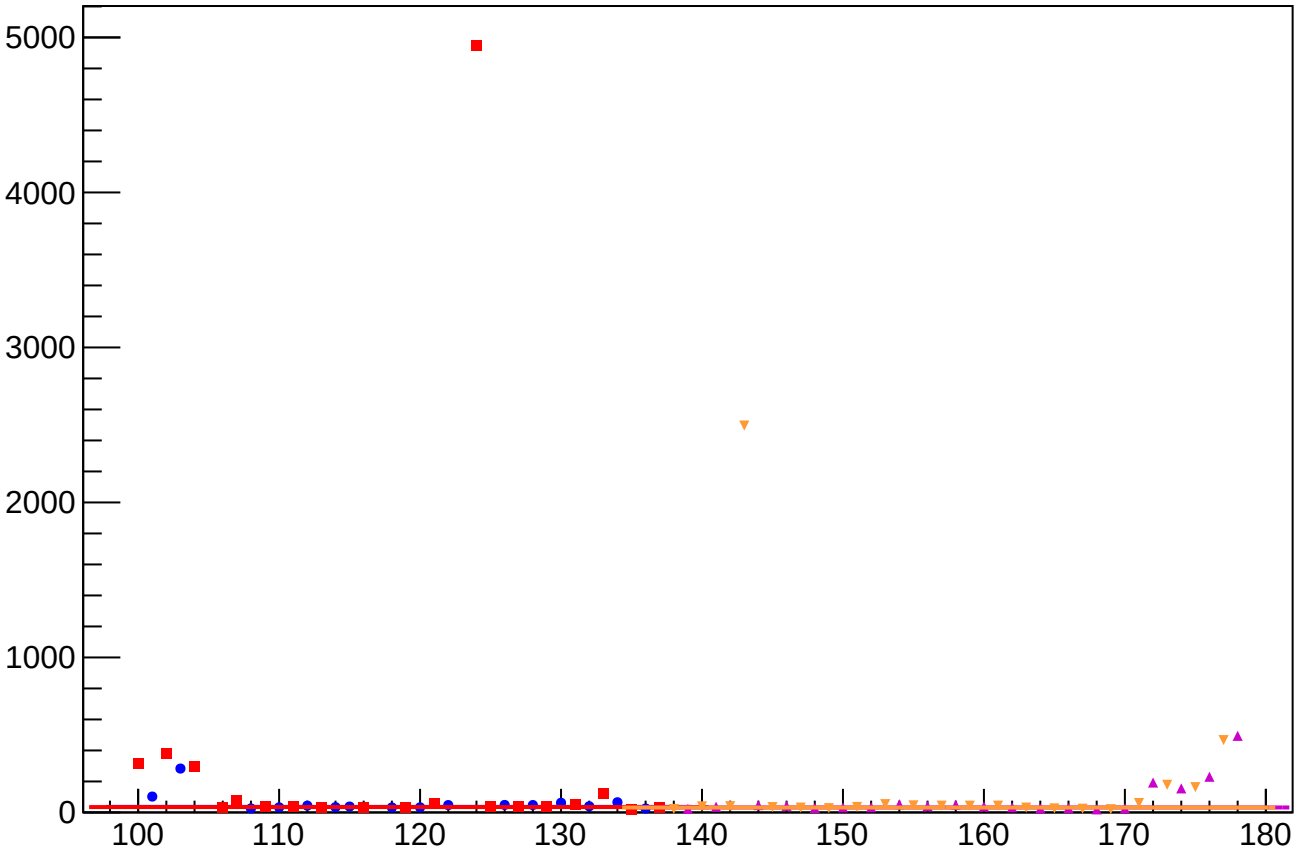
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.012+/-0.010 χ^2/NDF:11.1/19

+ sign -0.015+/-0.008 χ^2/NDF: 42.5/36

All: -0.010+/-0.006 χ^2/NDF: 72.3/75

- sign -0.005+/-0.008 χ^2/NDF: 29.0/38



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 31.819+/-0.007 χ^2/NDF:6685353.5/20

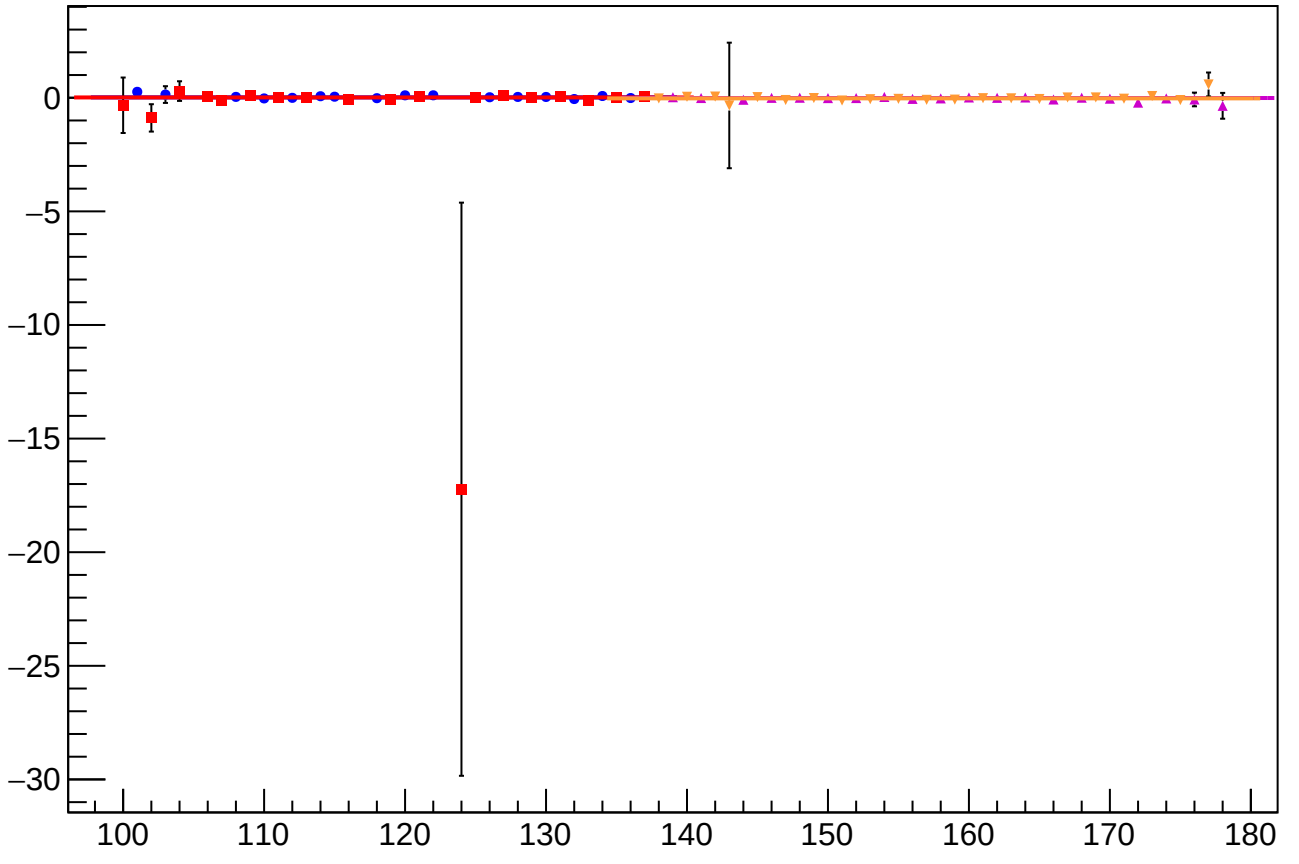
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.157+/-0.007 χ^2/NDF:5952417.1/19

+ sign 32.901+/-0.006 χ^2/NDF: 9043373.3/36

All: 32.886+/-0.004 χ^2/NDF: 17951445.0/75

- sign 32.872+/-0.006 χ^2/NDF: 8908058.8/38



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:25.2/20

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

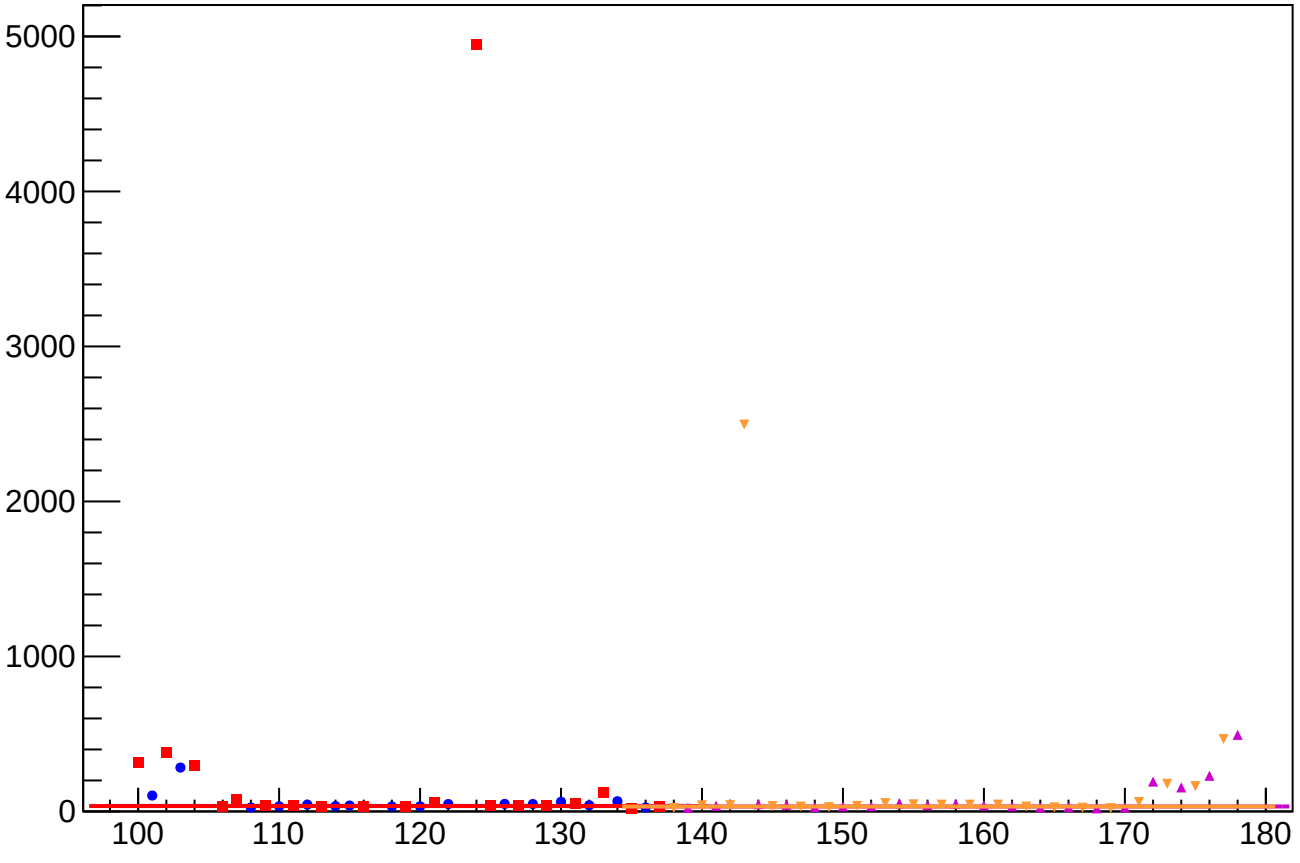
Left In: -0.012+/-0.010 χ^2/NDF:11.1/19

+ sign -0.015+/-0.008 χ^2/NDF: 42.5/36

All: -0.010+/-0.006 χ^2/NDF: 72.3/75

- sign -0.005+/-0.008 χ^2/NDF: 29.0/38

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: 31.819+/-0.007 χ^2/NDF:6685353.5/20

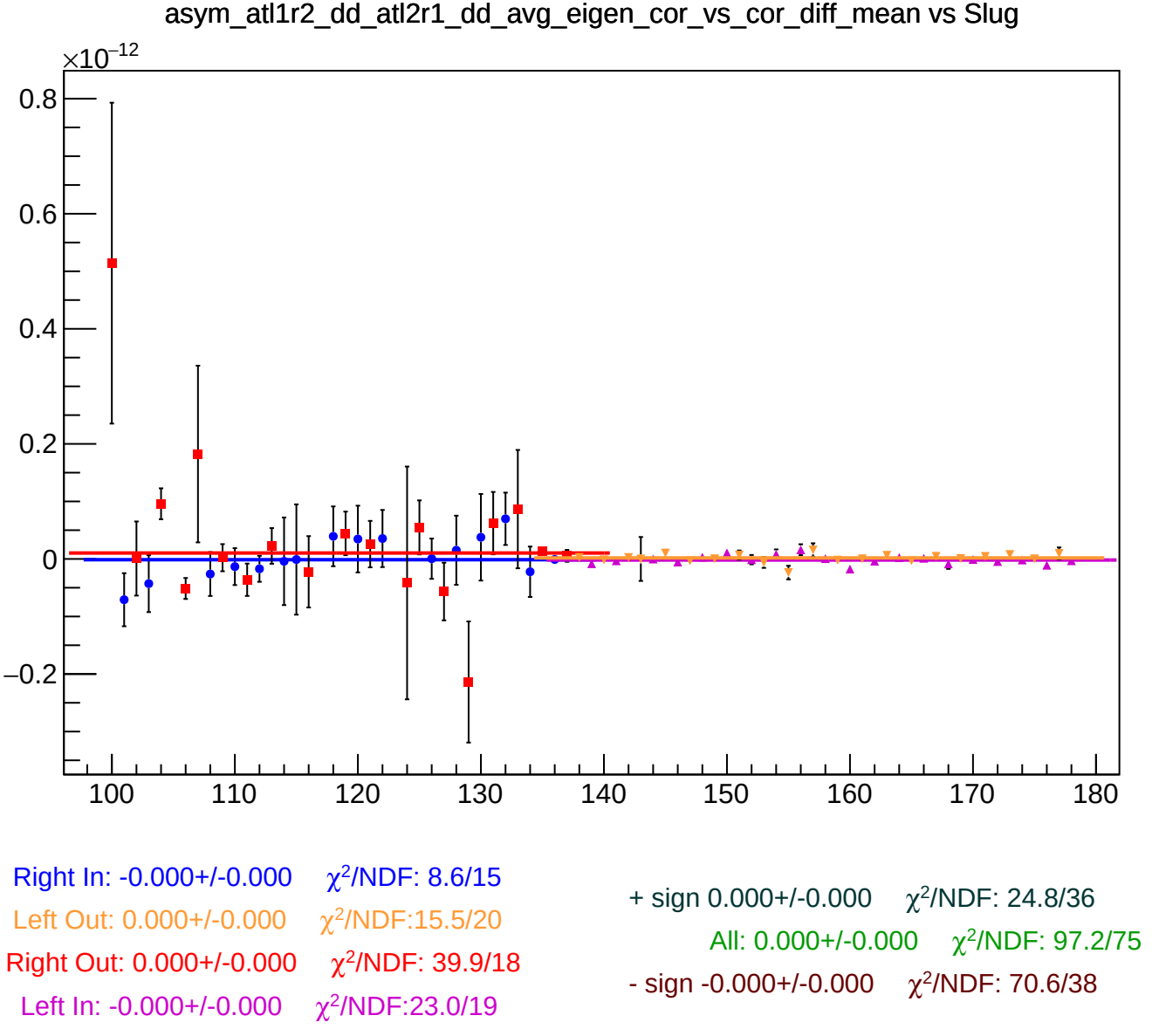
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

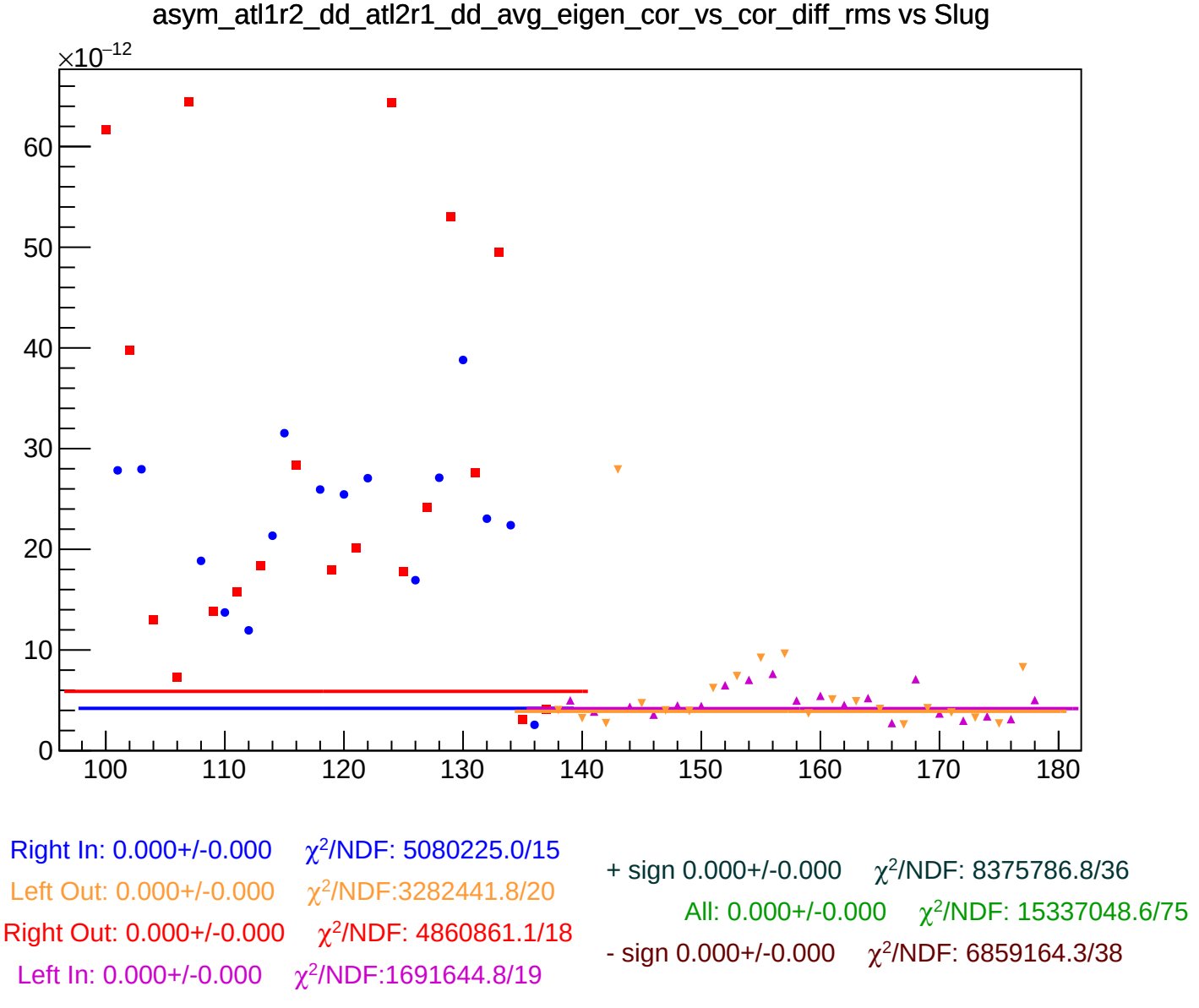
Left In: 32.157+/-0.007 χ^2/NDF:5952417.1/19

+ sign 32.901+/-0.006 χ^2/NDF: 9043373.3/36

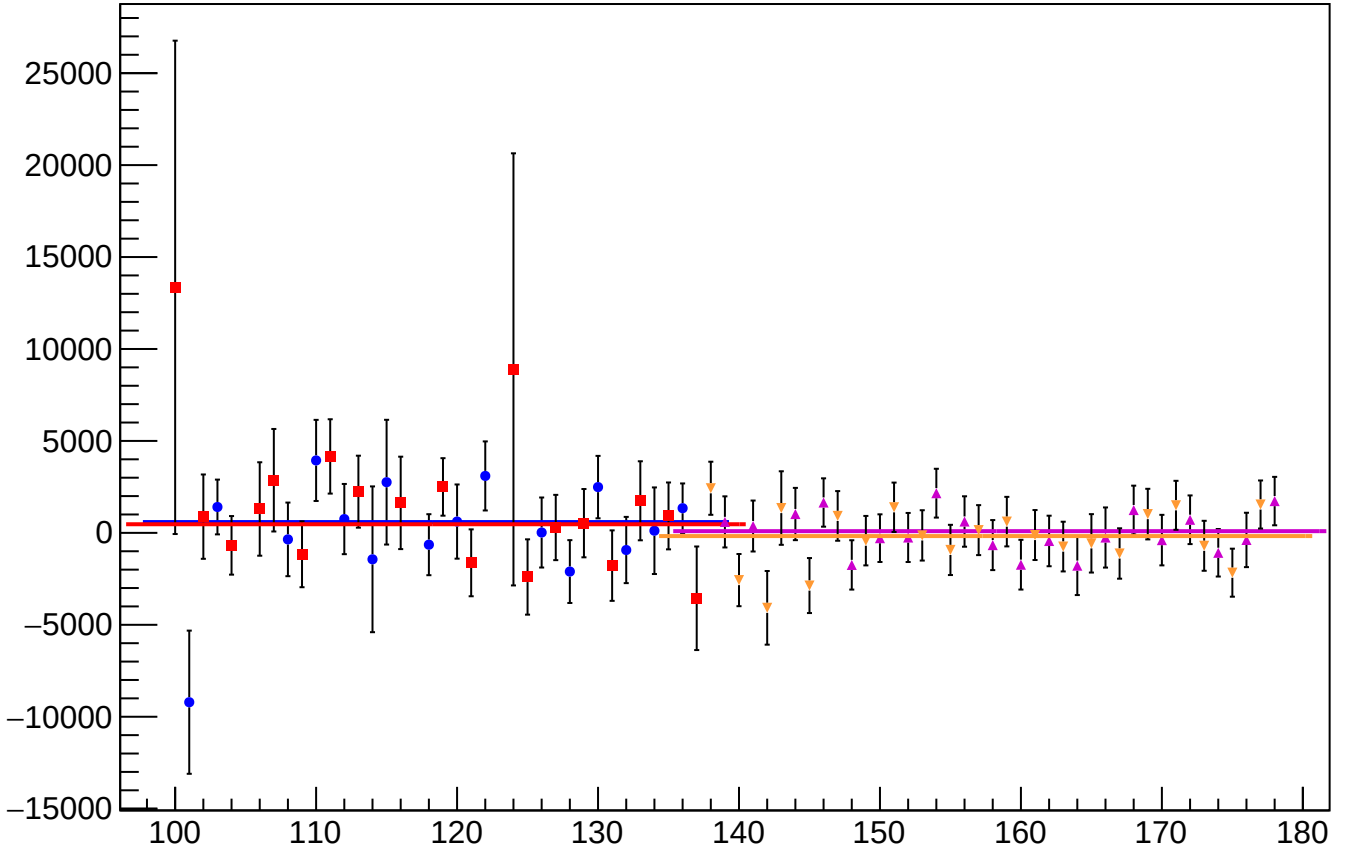
All: 32.886+/-0.004 χ^2/NDF: 17951445.0/75

- sign 32.872+/-0.006 χ^2/NDF: 8908058.8/38


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 8.6/15
Left Out: 0.000+/-0.000 χ²/NDF:15.5/20
Right Out: 0.000+/-0.000 χ²/NDF: 39.9/18
Left In: -0.000+/-0.000 χ²/NDF:23.0/19
+ sign 0.000+/-0.000 χ²/NDF: 24.8/36
All: 0.000+/-0.000 χ²/NDF: 97.2/75
- sign -0.000+/-0.000 χ²/NDF: 70.6/38


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 5080225.0/15
Left Out: 0.000+/-0.000 χ²/NDF:3282441.8/20
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:1691644.8/19
+ sign 0.000+/-0.000 χ²/NDF: 8375786.8/36
All: 0.000+/-0.000 χ²/NDF: 15337048.6/75
- sign 0.000+/-0.000 χ²/NDF: 6859164.3/38

reg_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -174.329+/-307.648 χ^2/NDF:23.7/20

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

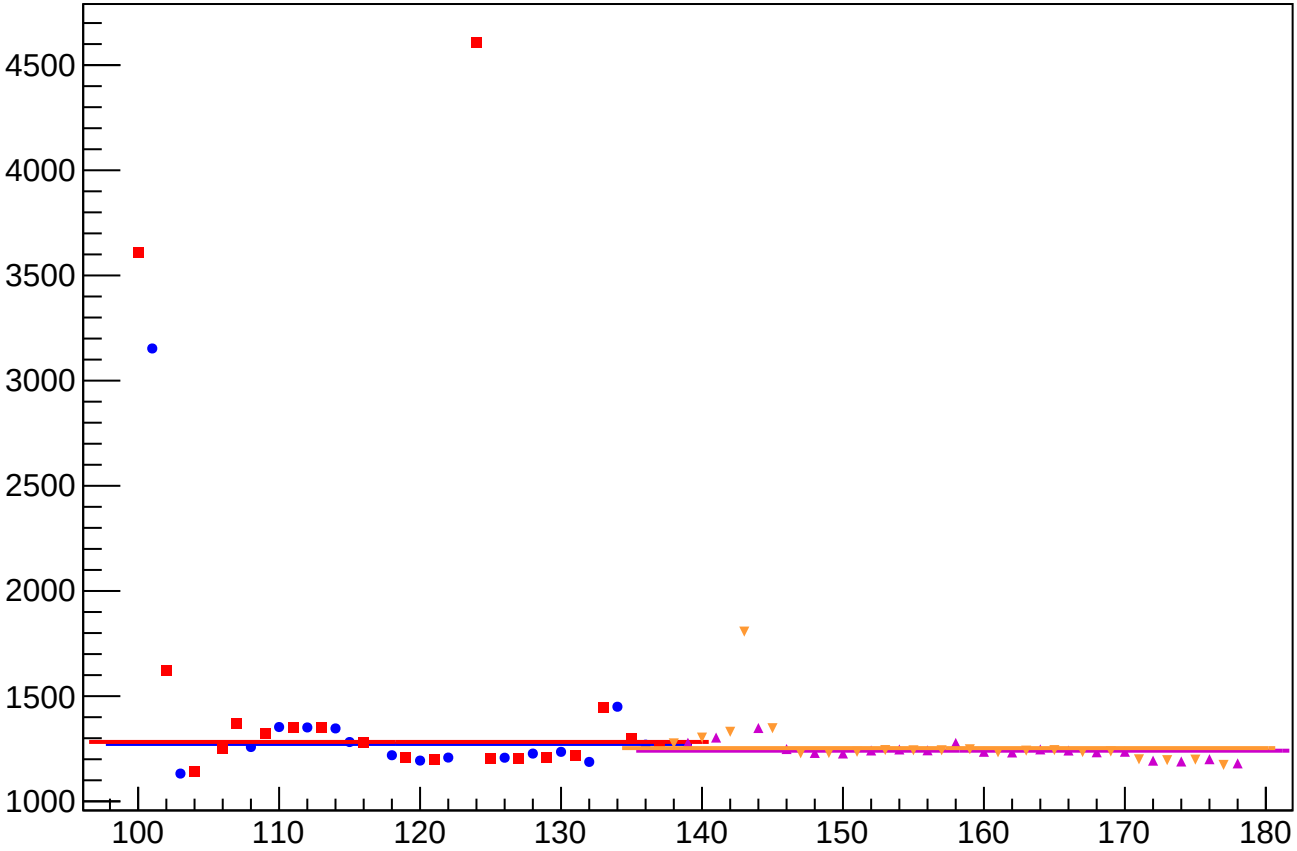
Left In: 92.918+/-307.018 χ^2/NDF:13.9/19

+ sign 45.750+/-259.394 χ^2/NDF: 42.6/36

All: 124.051+/-183.180 χ^2/NDF: 73.9/75

- sign 201.945+/-258.718 χ^2/NDF: 31.2/38

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1252.983+/-0.218 χ^2/NDF:188394.0/20

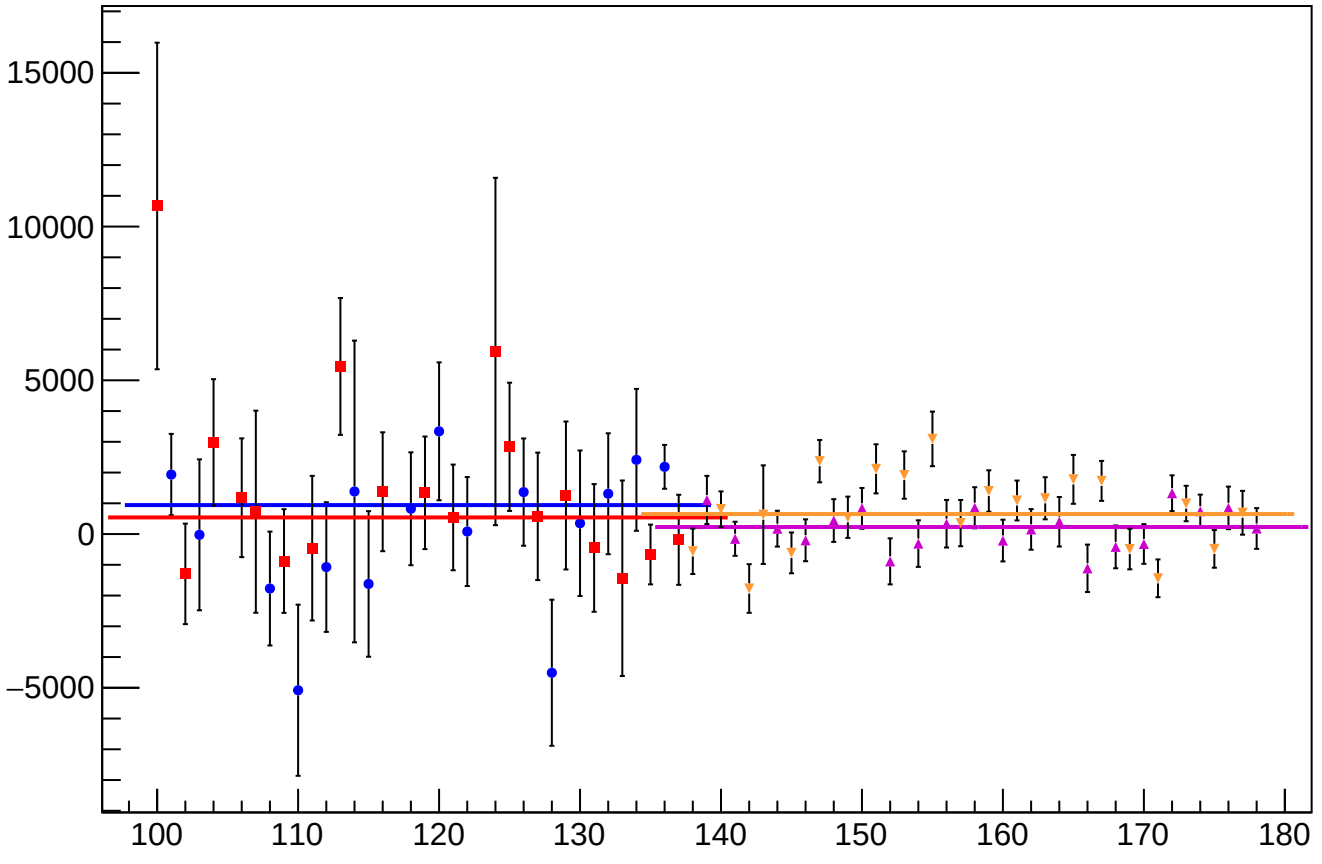
Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1240.677+/-0.217 χ^2/NDF:30617.4/19

+ sign 1258.713+/-0.183 χ^2/NDF: 710092.3/36

All: 1255.730+/-0.130 χ^2/NDF: 1074005.6/75

- sign 1252.762+/-0.183 χ^2/NDF: 363385.7/38



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 650.567+/-152.554 χ^2/NDF:61.2/20

Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

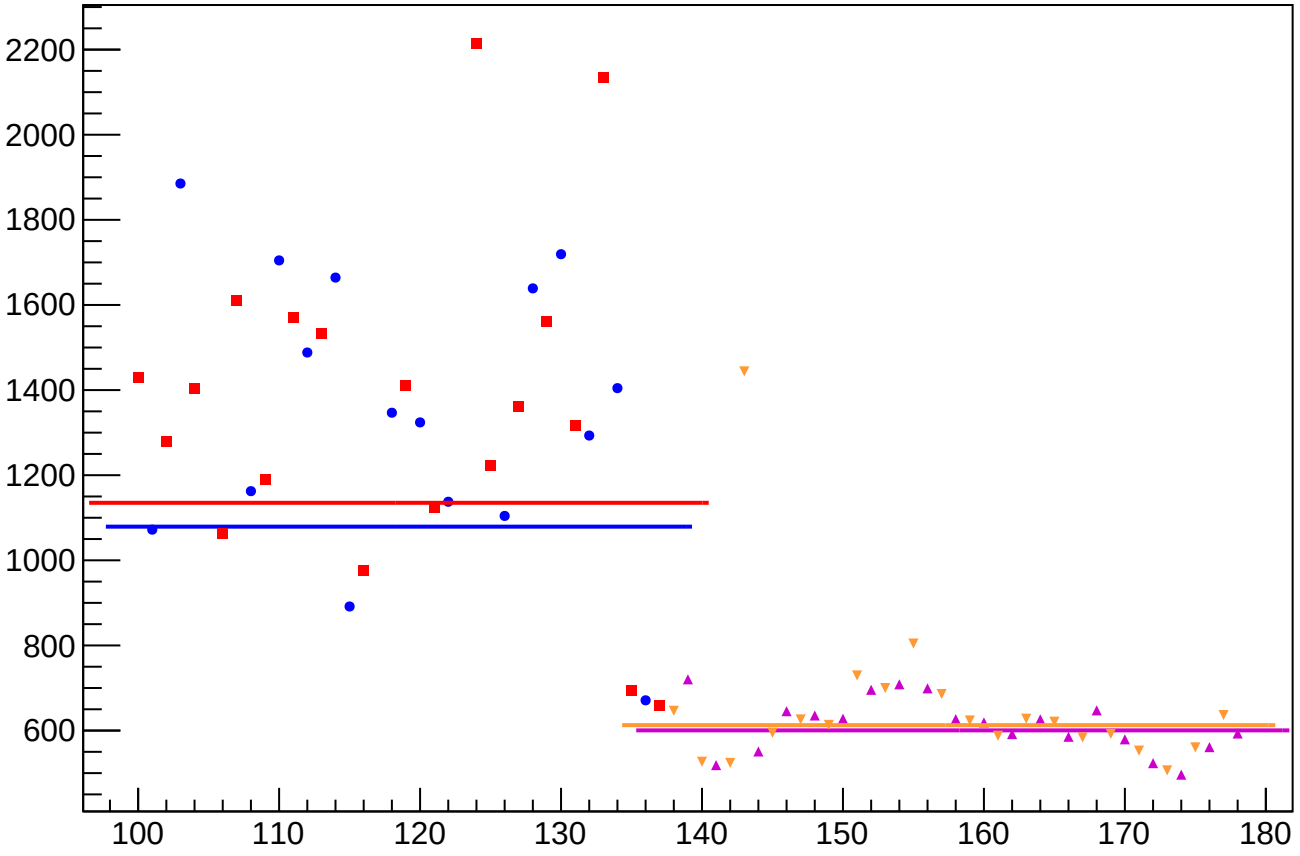
Left In: 228.064+/-149.657 χ^2/NDF:17.1/19

+ sign 683.688+/-143.616 χ^2/NDF: 81.5/36

All: 469.219+/-100.861 χ^2/NDF: 120.6/75

- sign 260.487+/-141.683 χ^2/NDF: 34.7/38

asym_at1_dd_at2_dd_avg_reg_correction_rms vs Slug



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 612.699+/-0.108 χ^2/NDF:908075.3/20

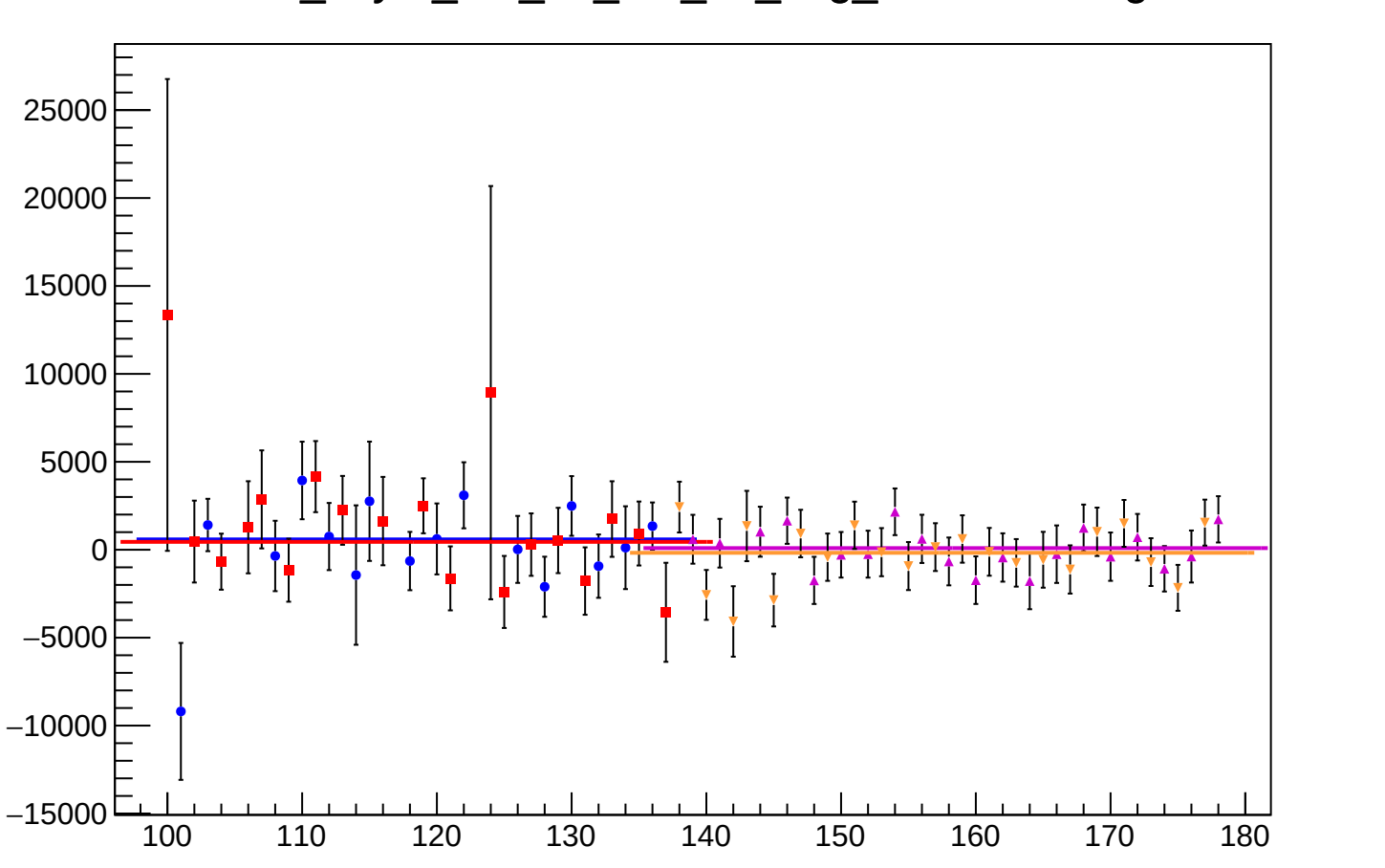
Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 600.408+/-0.106 χ^2/NDF:362658.3/19

+ sign 665.750+/-0.102 χ^2/NDF: 4516782.4/36

All: 660.748+/-0.071 χ^2/NDF: 8826154.1/75

- sign 655.879+/-0.100 χ^2/NDF: 4304583.8/38



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -174.375+/-307.648 χ^2/NDF:23.7/20

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

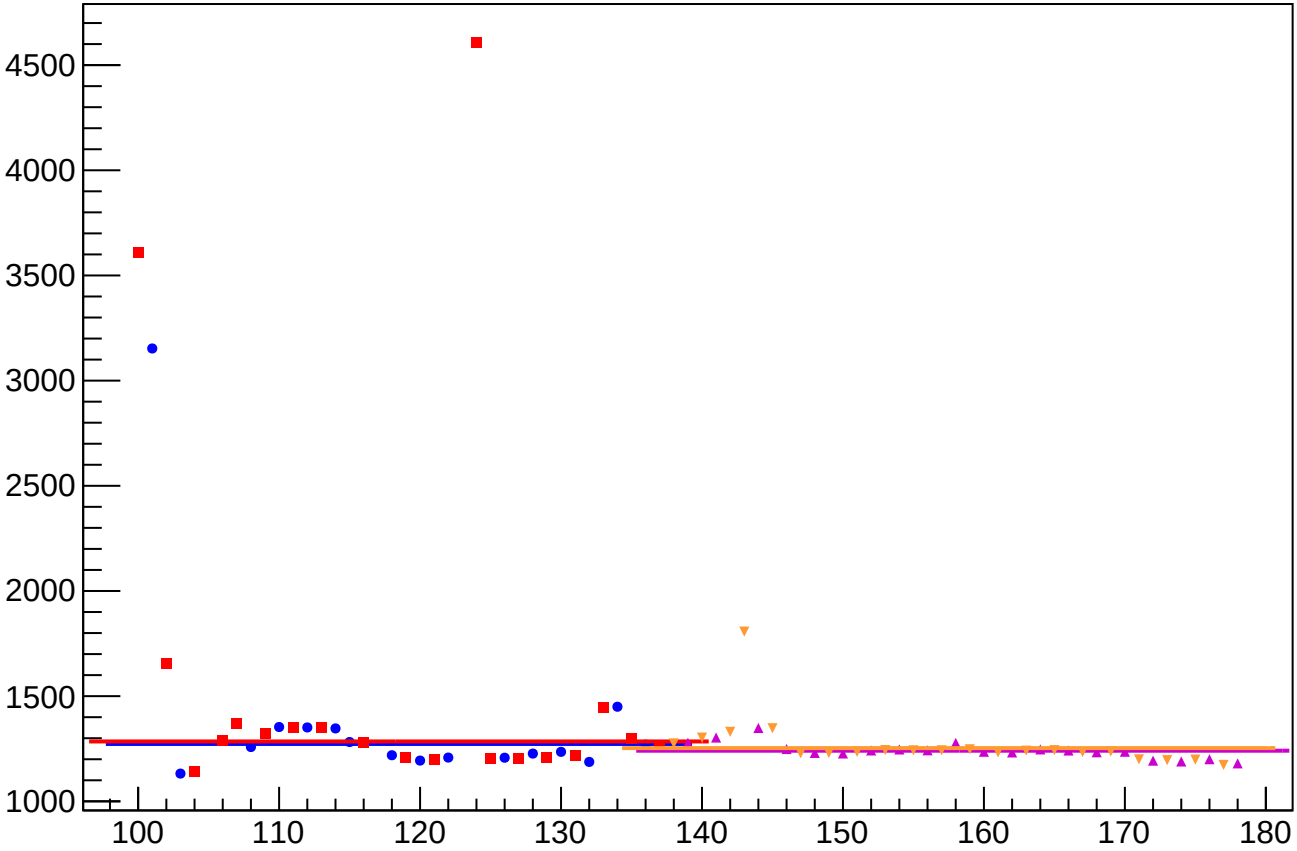
Left In: 92.963+/-307.018 χ^2/NDF:13.9/19

\+ sign 45.810+/-259.394 χ^2/NDF: 42.5/36

All: 120.942+/-183.225 χ^2/NDF: 73.8/75

\- sign 195.757+/-258.845 χ^2/NDF: 31.1/38

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1252.983+/-0.218 χ^2/NDF:188394.0/20

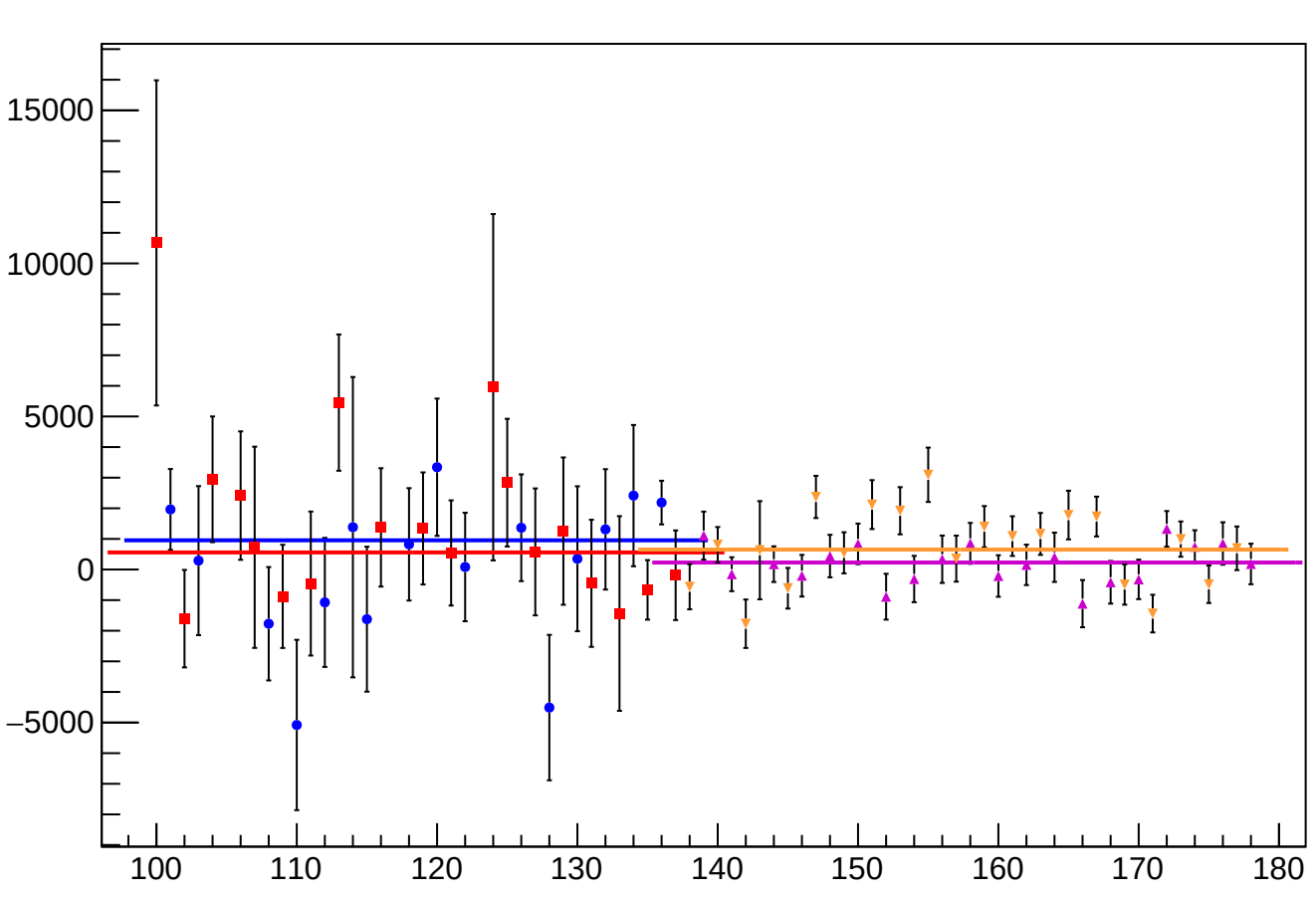
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1240.677+/-0.217 χ^2/NDF:30617.4/19

+ sign 1258.713+/-0.183 χ^2/NDF: 710093.6/36

All: 1256.048+/-0.130 χ^2/NDF: 1081734.4/75

- sign 1253.395+/-0.183 χ^2/NDF: 371219.5/38



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 650.593+/-152.555 χ^2/NDF:61.2/20

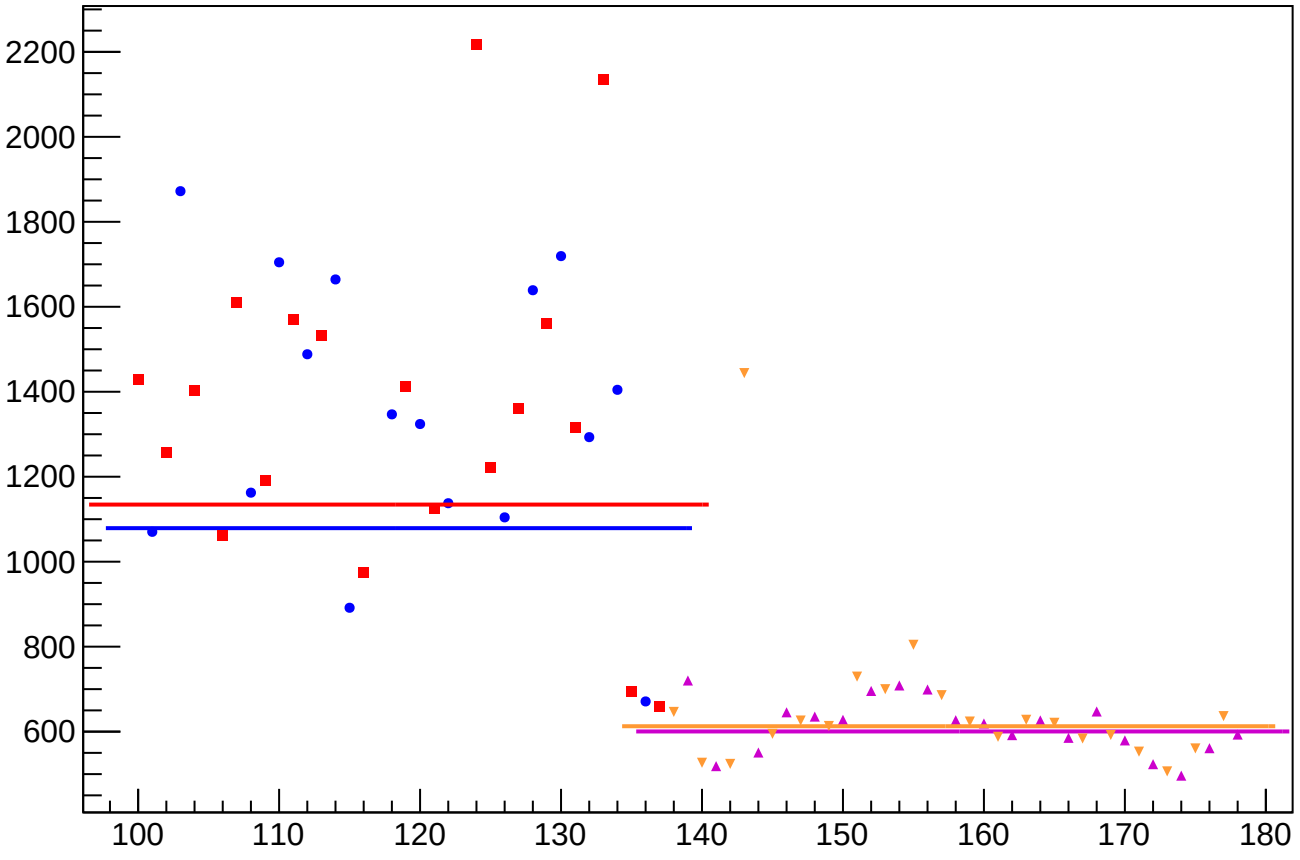
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 228.055+/-149.657 χ^2/NDF:17.1/19

+ sign 685.145+/-143.610 χ^2/NDF: 81.5/36

All: 470.834+/-100.869 χ^2/NDF: 121.9/75

- sign 262.156+/-141.710 χ^2/NDF: 36.0/38



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 612.702+/-0.108 χ^2/NDF:908027.8/20

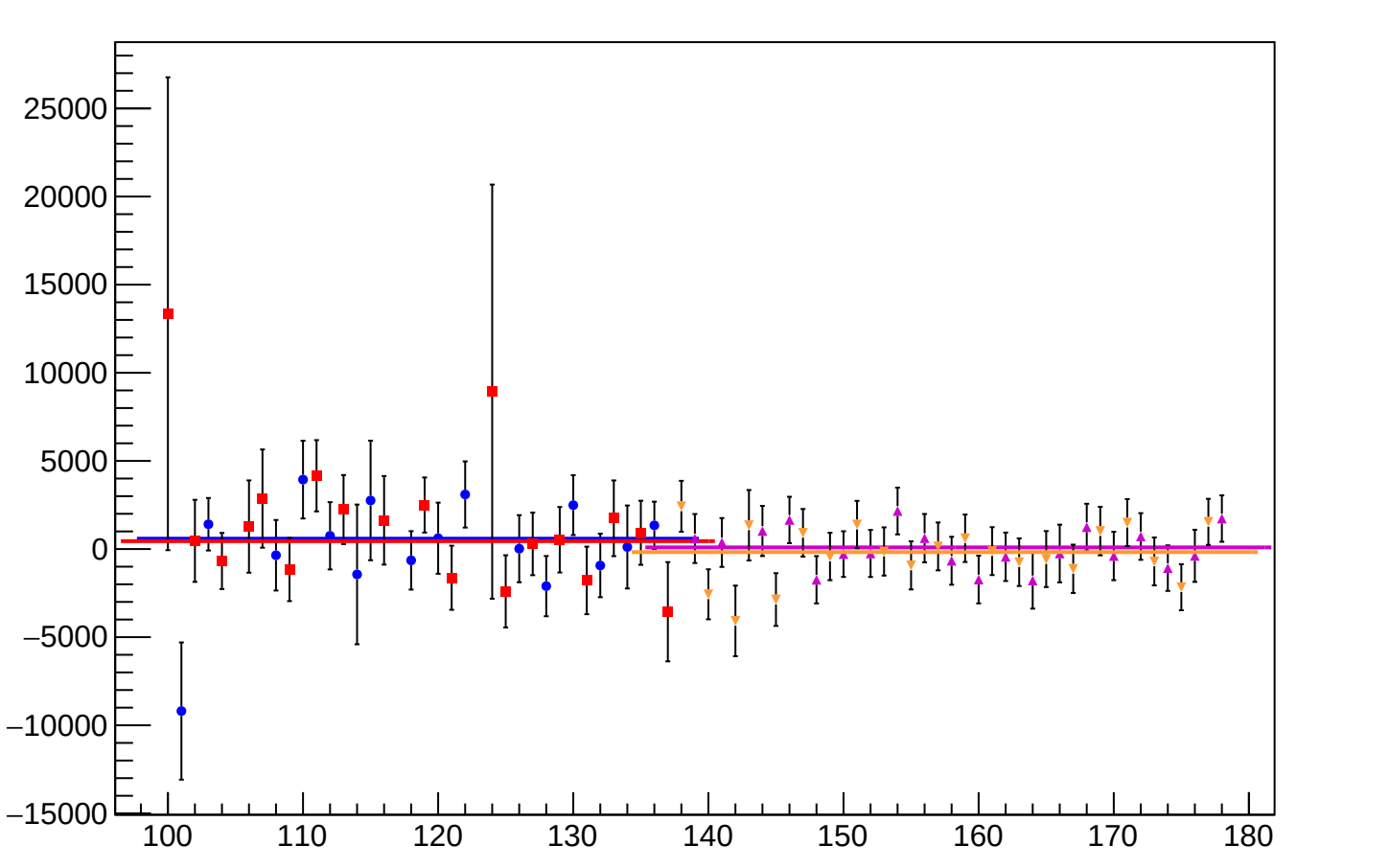
Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 600.404+/-0.106 χ^2/NDF:362683.1/19

\+ sign 665.771+/-0.102 χ^2/NDF: 4513038.0/36

All: 660.622+/-0.071 χ^2/NDF: 8802160.1/75

\- sign 655.608+/-0.100 χ^2/NDF: 4284046.8/38



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -174.375+/-307.648 χ^2/NDF:23.7/20

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

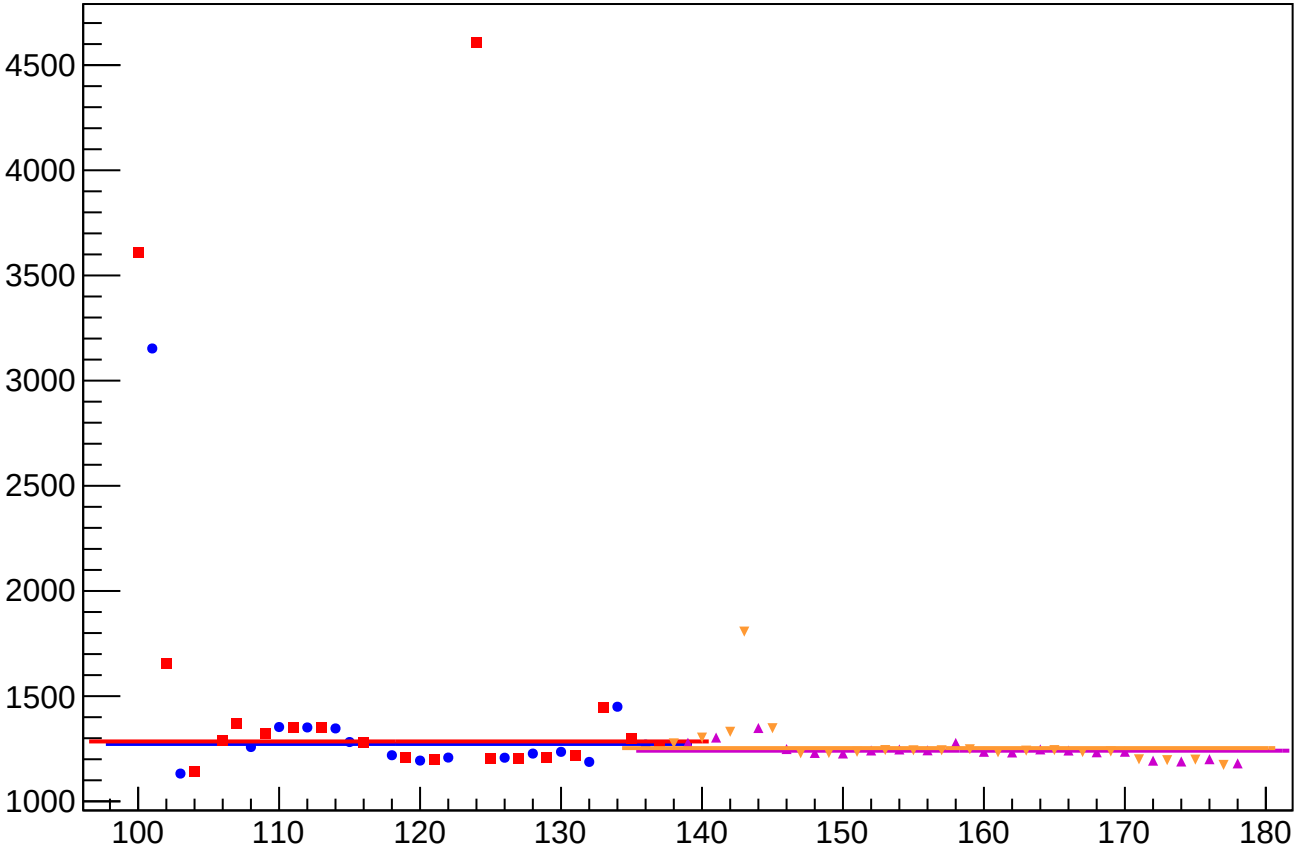
Left In: 92.963+/-307.018 χ^2/NDF:13.9/19

\+ sign 45.810+/-259.394 χ^2/NDF: 42.5/36

All: 120.942+/-183.225 χ^2/NDF: 73.8/75

\- sign 195.757+/-258.845 χ^2/NDF: 31.1/38

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: 1252.983+/-0.218 χ^2/NDF:188394.0/20

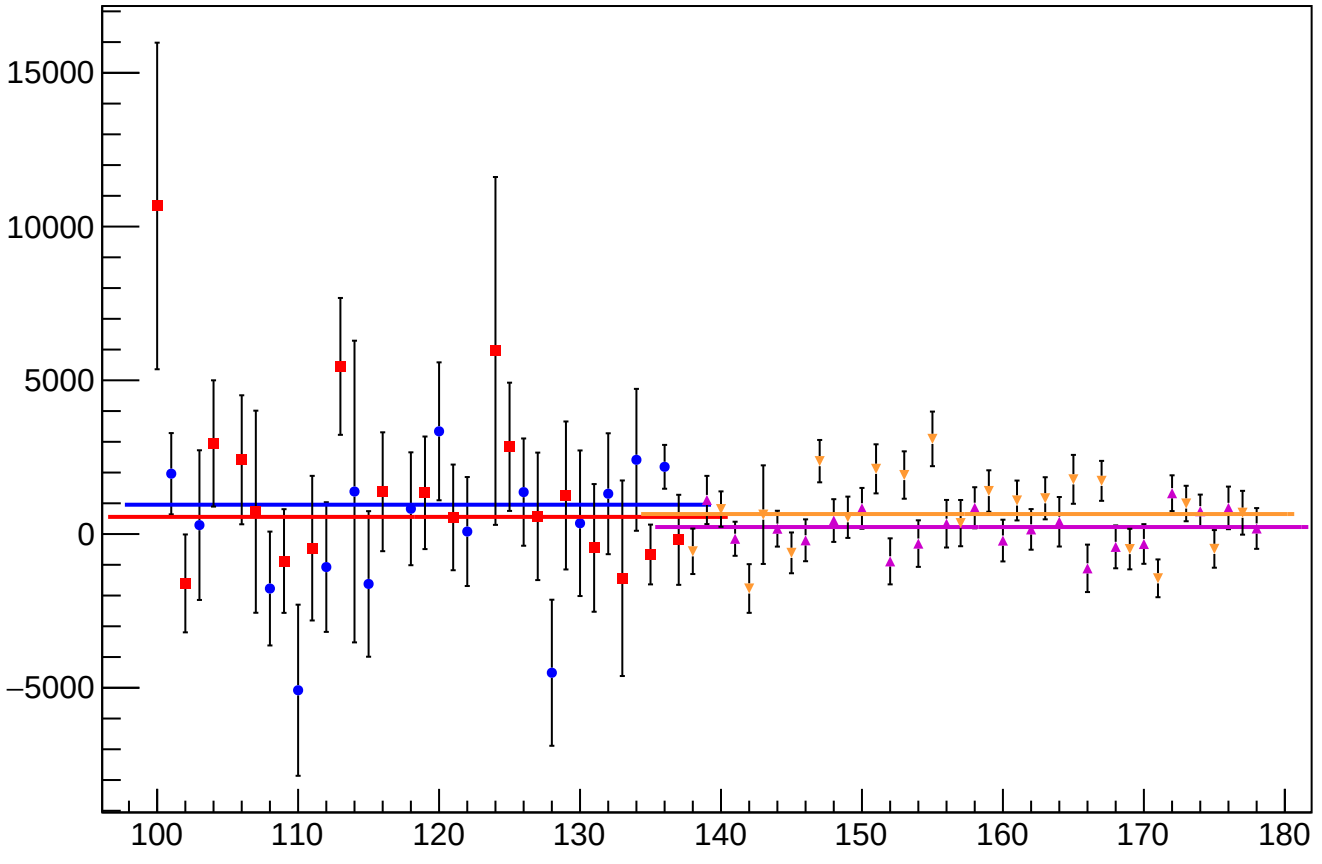
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1240.677+/-0.217 χ^2/NDF:30617.4/19

+ sign 1258.713+/-0.183 χ^2/NDF: 710093.6/36

All: 1256.048+/-0.130 χ^2/NDF: 1081734.4/75

- sign 1253.395+/-0.183 χ^2/NDF: 371219.5/38



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 650.593+/-152.555 χ^2/NDF:61.2/20

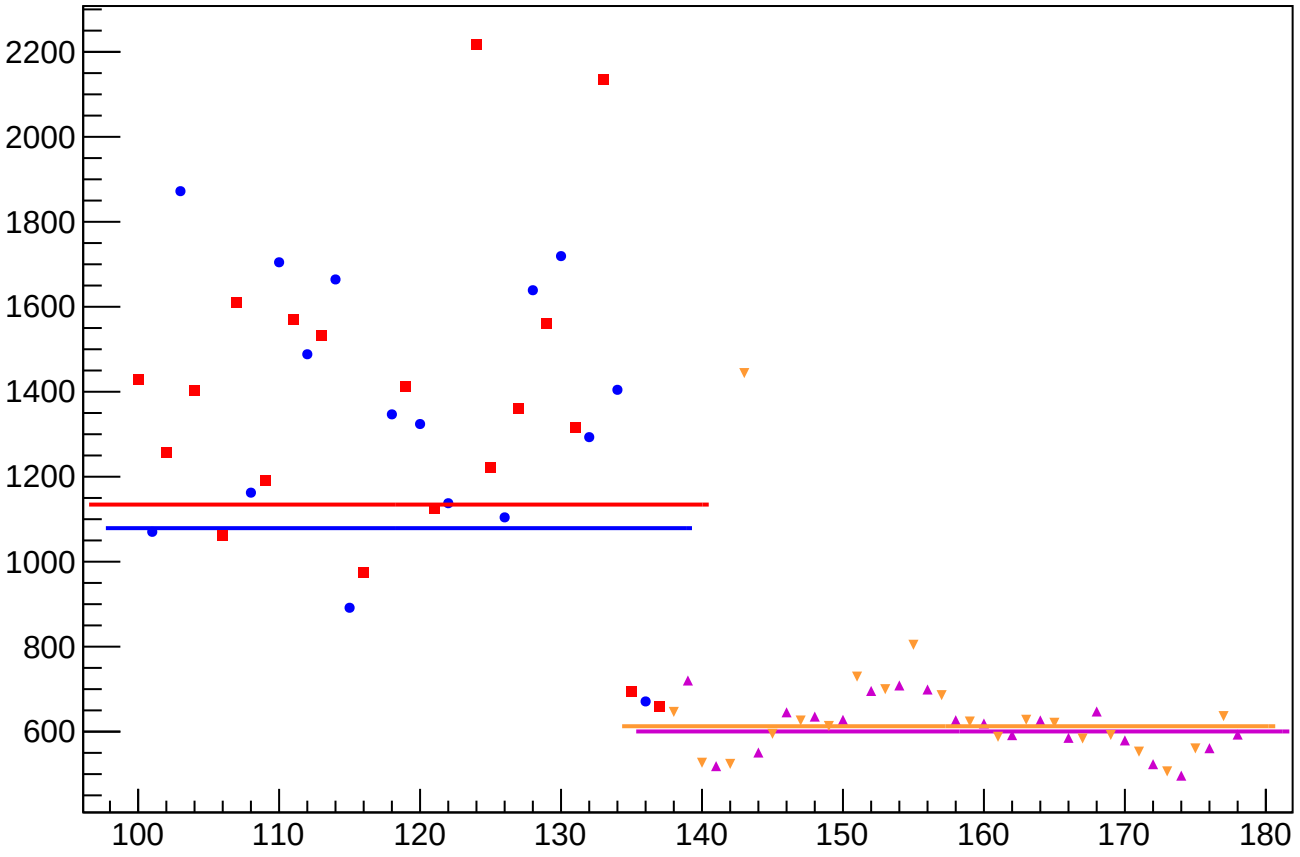
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 228.055+/-149.657 χ^2/NDF:17.1/19

+ sign 685.145+/-143.610 χ^2/NDF: 81.5/36

All: 470.834+/-100.869 χ^2/NDF: 121.9/75

- sign 262.156+/-141.710 χ^2/NDF: 36.0/38



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 612.702+/-0.108 χ^2/NDF:908027.8/20

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

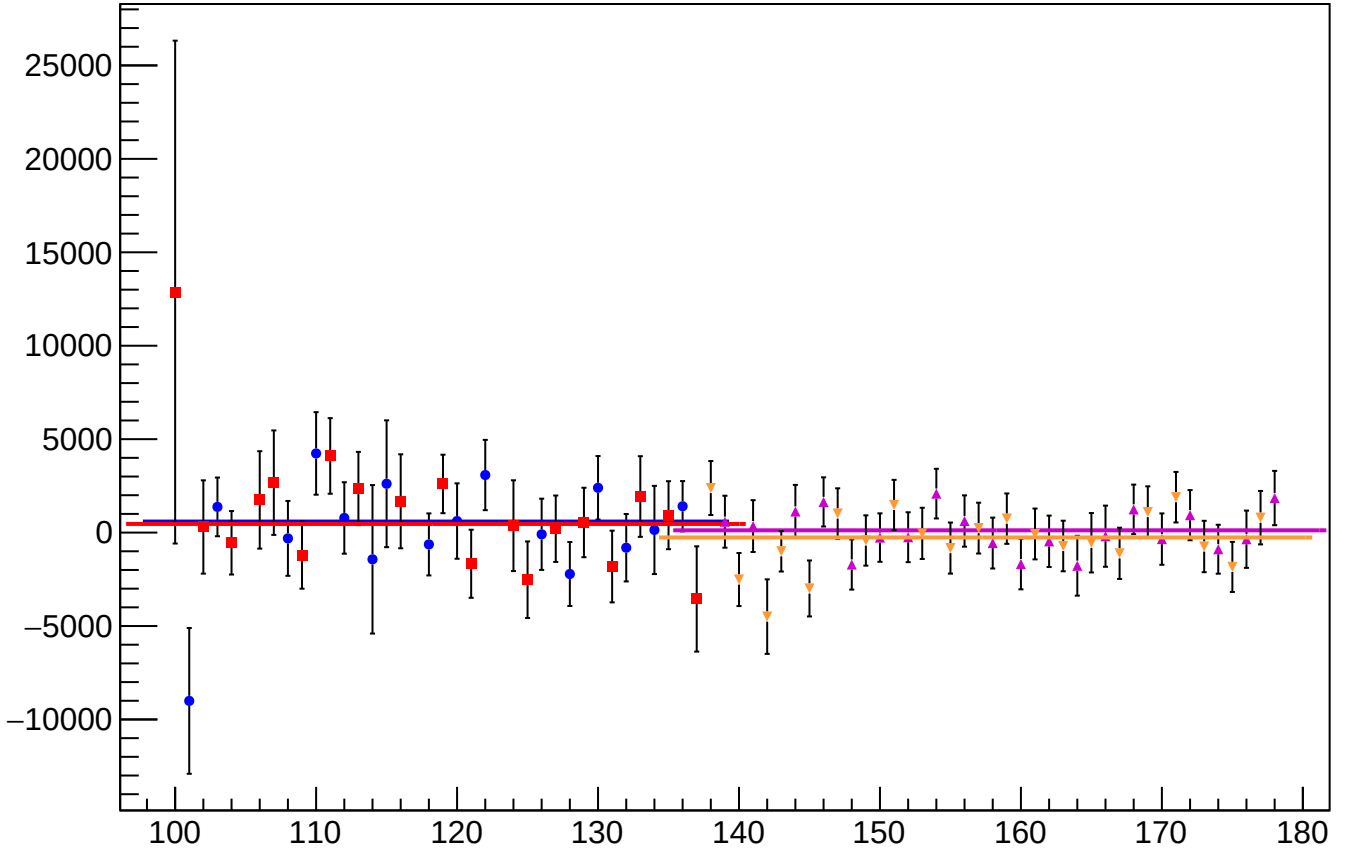
Left In: 600.404+/-0.106 χ^2/NDF:362683.1/19

+ sign 665.771+/-0.102 χ^2/NDF: 4513038.0/36

All: 660.622+/-0.071 χ^2/NDF: 8802160.1/75

- sign 655.608+/-0.100 χ^2/NDF: 4284046.8/38

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -258.828+/-301.527 χ^2/NDF:23.8/20

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

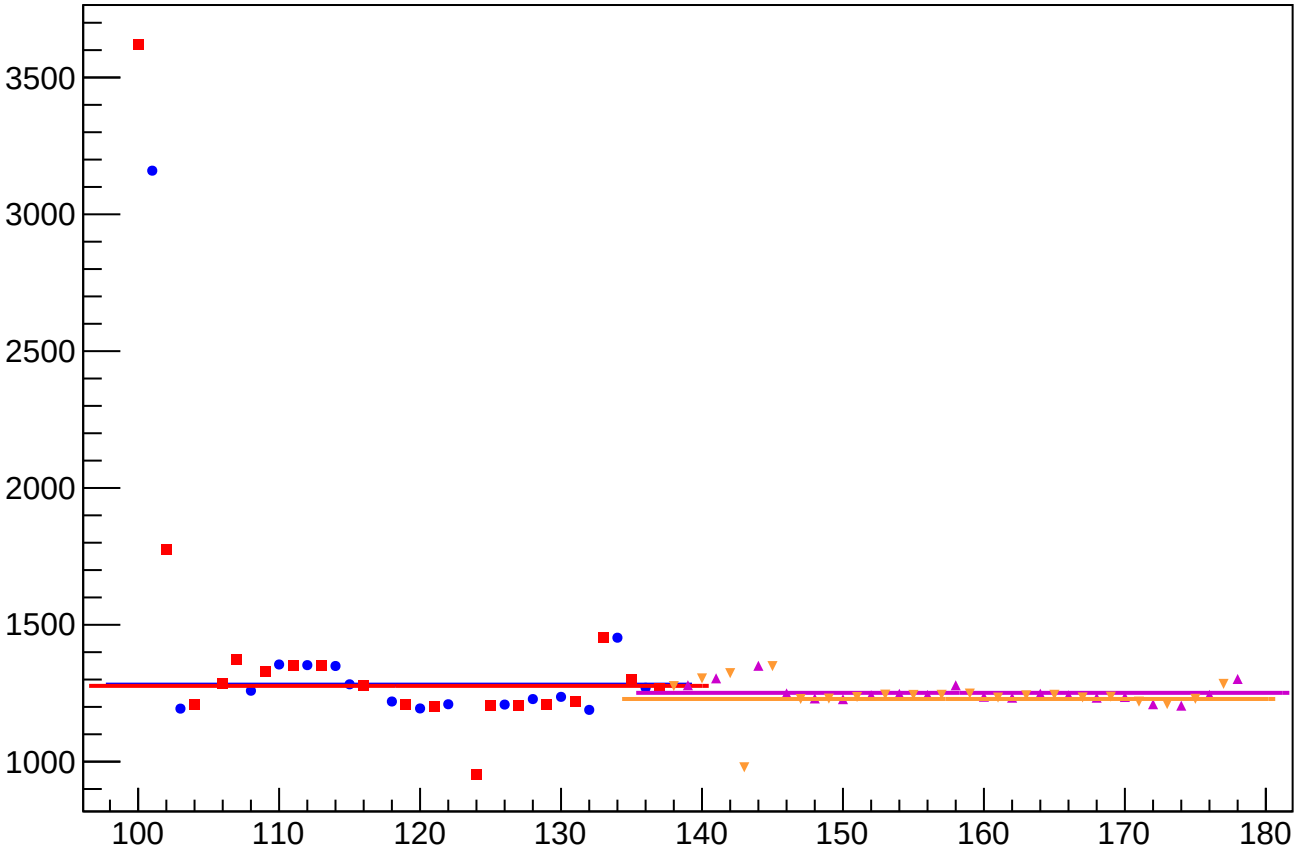
Left In: 121.738+/-309.641 χ^2/NDF:13.3/19

\+ sign -22.451+/-256.144 χ^2/NDF: 43.1/36

All: 98.517+/-182.360 χ^2/NDF: 73.8/75

\- sign 222.853+/-259.685 χ^2/NDF: 30.3/38

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1228.956+/-0.213 χ^2/NDF:136371.9/20

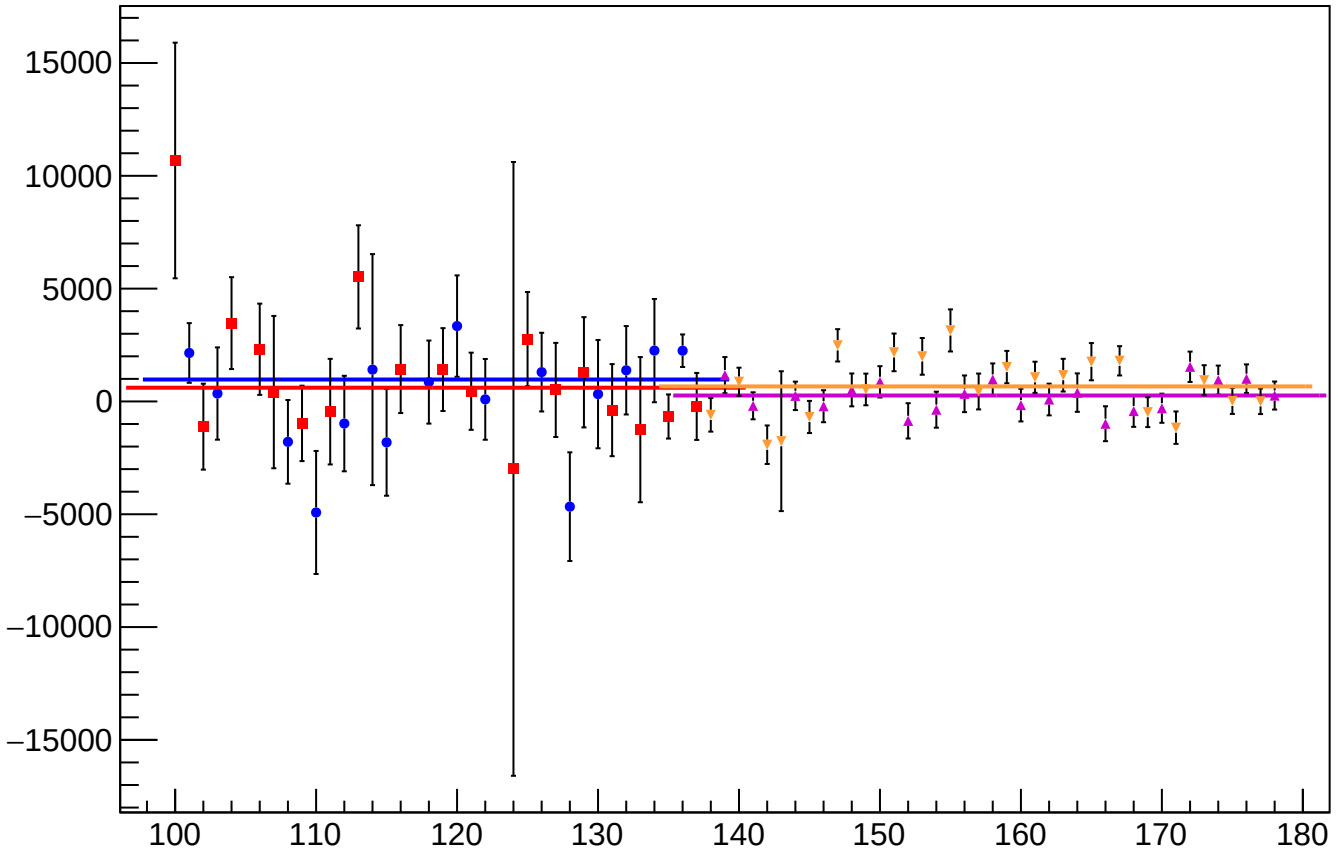
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1251.373+/-0.219 χ^2/NDF:23643.4/19

+ sign 1243.546+/-0.181 χ^2/NDF: 660272.4/36

All: 1251.134+/-0.129 χ^2/NDF: 912008.4/75

- sign 1258.934+/-0.184 χ^2/NDF: 248176.5/38



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 665.726+/-158.358 χ^2/NDF:55.2/20

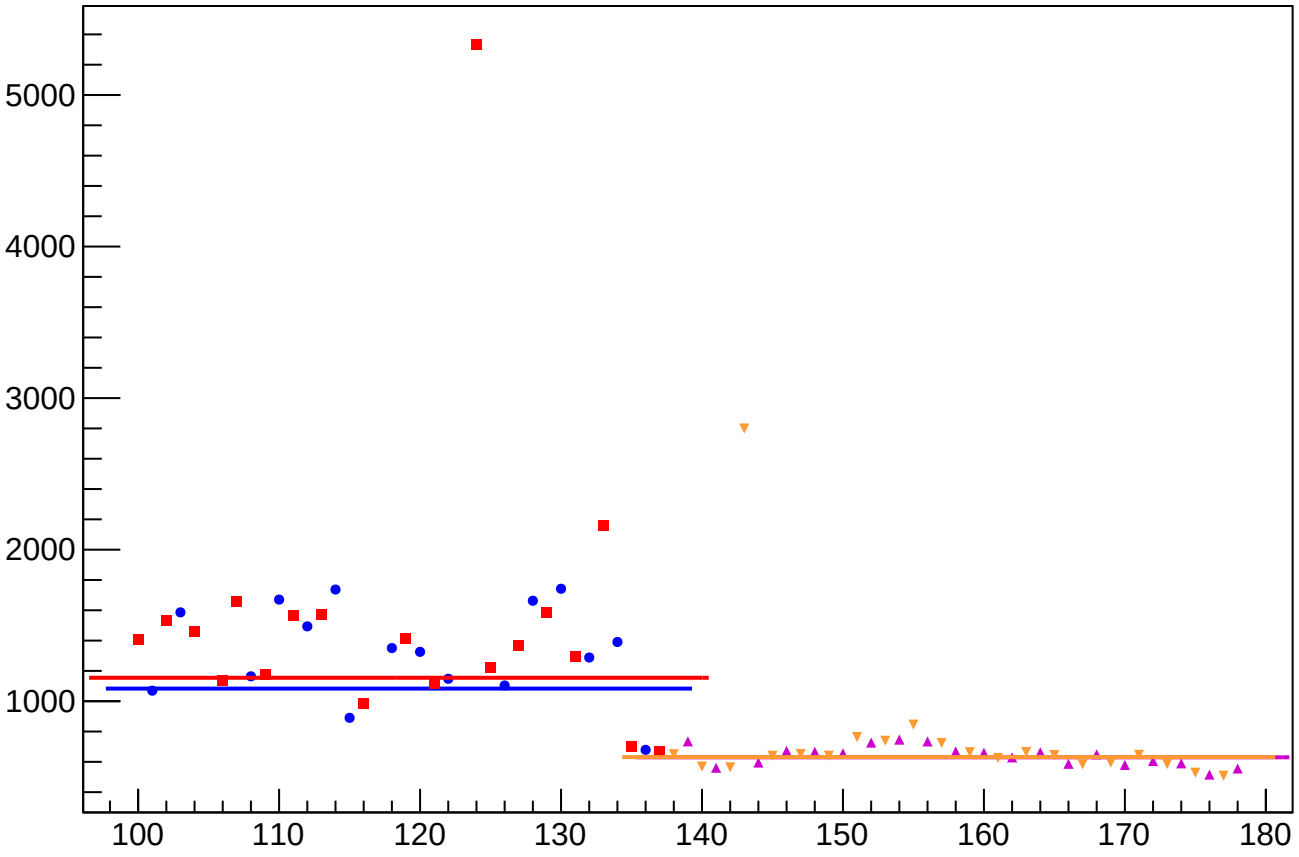
Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: 263.517+/-156.871 χ^2/NDF:17.7/19

\+ sign 703.065+/-148.401 χ^2/NDF: 76.1/36

All: 501.667+/-104.810 χ^2/NDF: 115.2/75

\- sign 301.228+/-148.047 χ^2/NDF: 35.4/38



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 631.200+/-0.112 χ^2/NDF:1428122.1/20

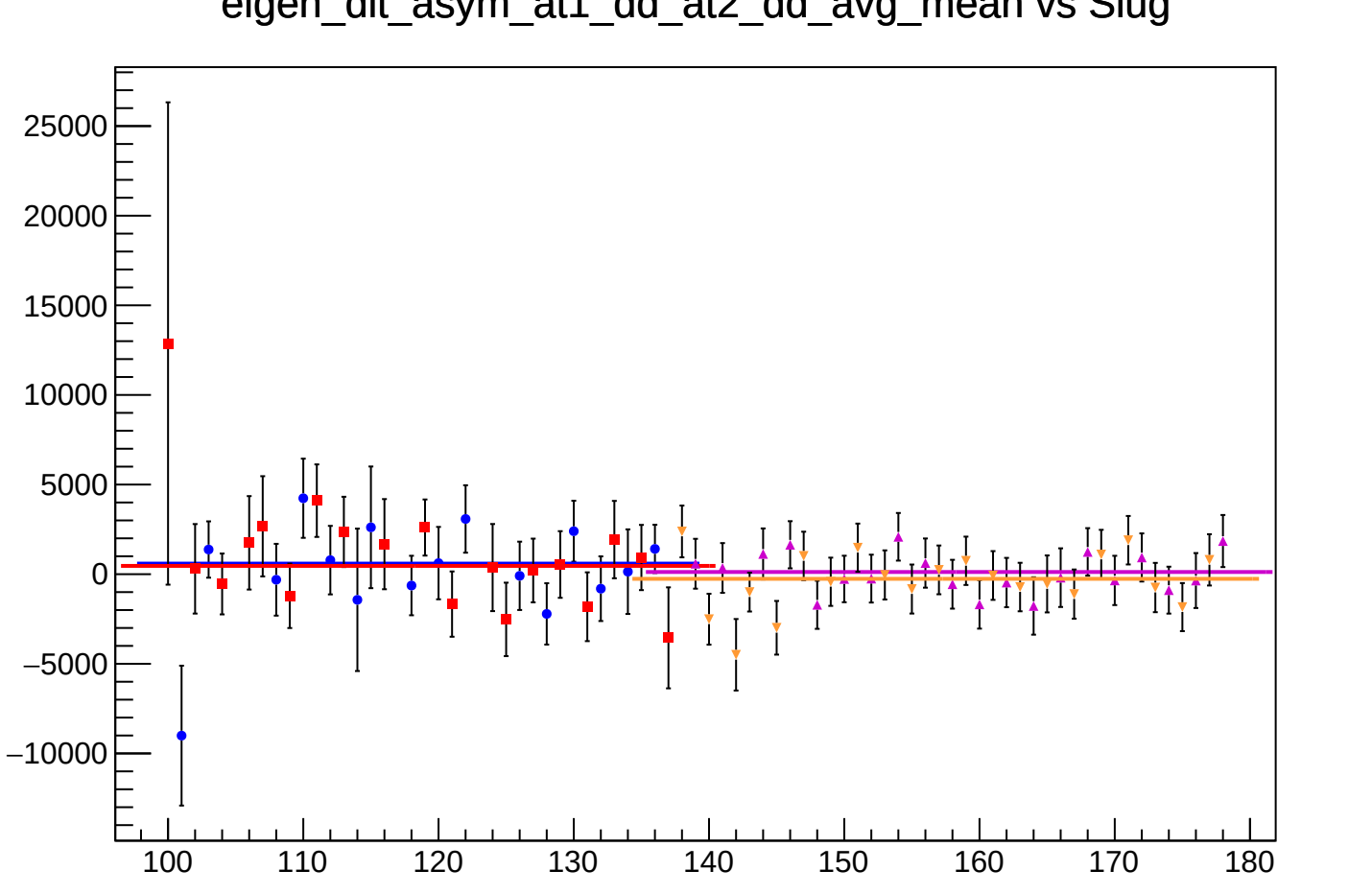
Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 629.938+/-0.111 χ^2/NDF:324416.8/19

+ sign 686.270+/-0.105 χ^2/NDF: 4774071.3/36

All: 686.794+/-0.074 χ^2/NDF: 9034037.9/75

- sign 687.316+/-0.105 χ^2/NDF: 4259916.9/38



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -258.829+/-301.527 χ^2/NDF:23.8/20

Right Out: 462.605+/-476.795 χ^2/NDF: 16.7/18

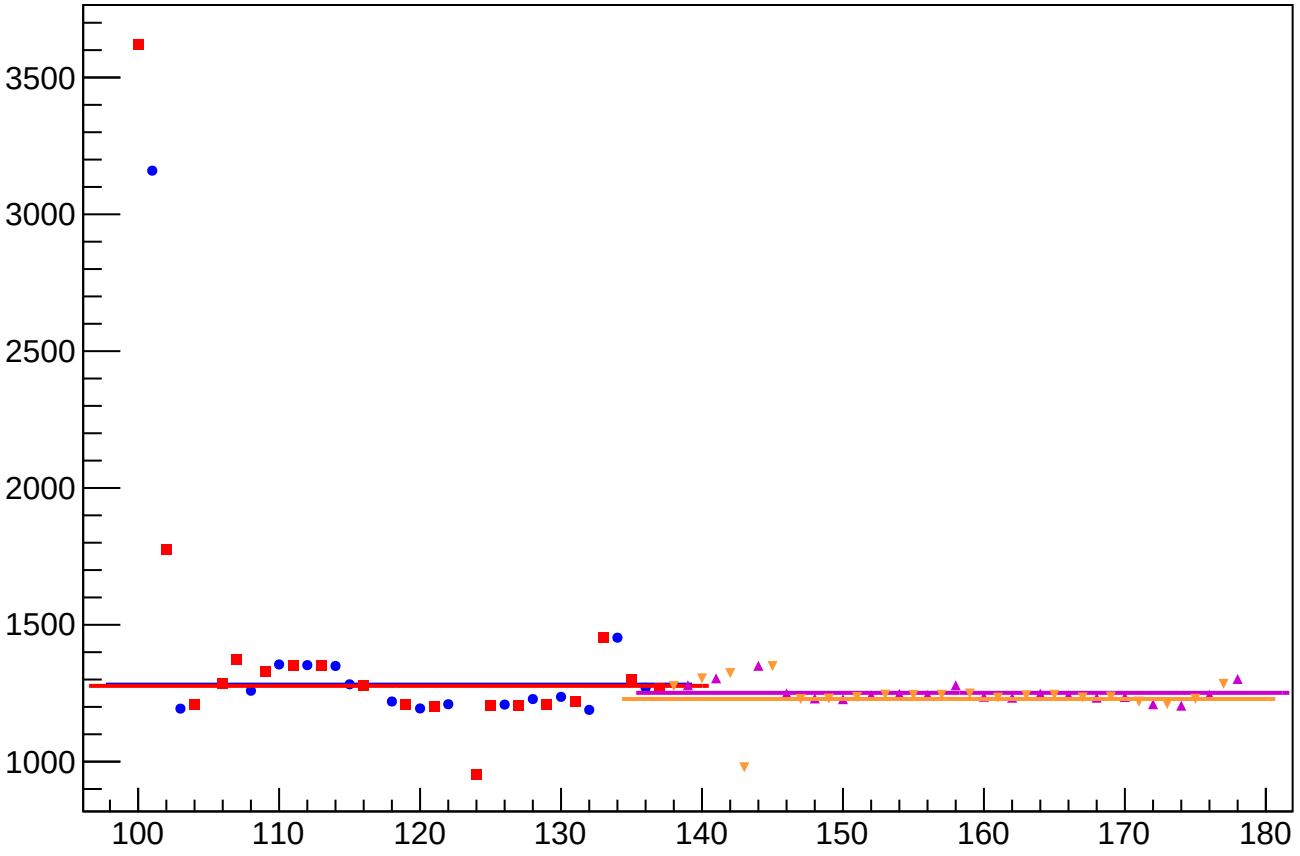
Left In: 121.737+/-309.641 χ^2/NDF:13.3/19

\+ sign -22.452+/-256.144 χ^2/NDF: 43.1/36

All: 98.516+/-182.360 χ^2/NDF: 73.8/75

\- sign 222.853+/-259.685 χ^2/NDF: 30.3/38

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: 1228.956+/-0.213 χ^2/NDF:136371.2/20

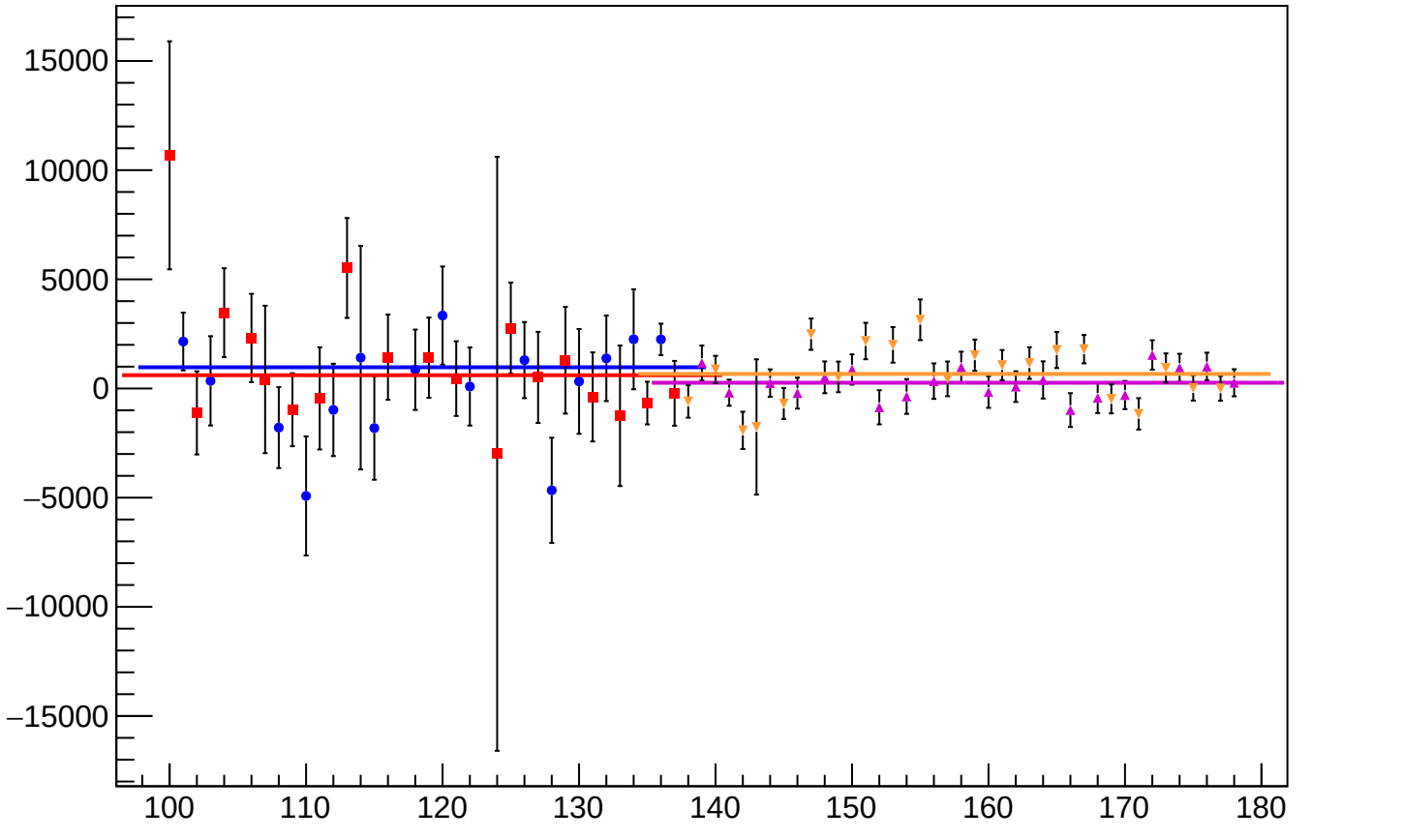
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1251.373+/-0.219 χ^2/NDF:23643.3/19

+ sign 1243.546+/-0.181 χ^2/NDF: 660271.7/36

All: 1251.134+/-0.129 χ^2/NDF: 912007.6/75

- sign 1258.934+/-0.184 χ^2/NDF: 248176.3/38



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 665.726+/-158.358 χ^2/NDF:55.2/20

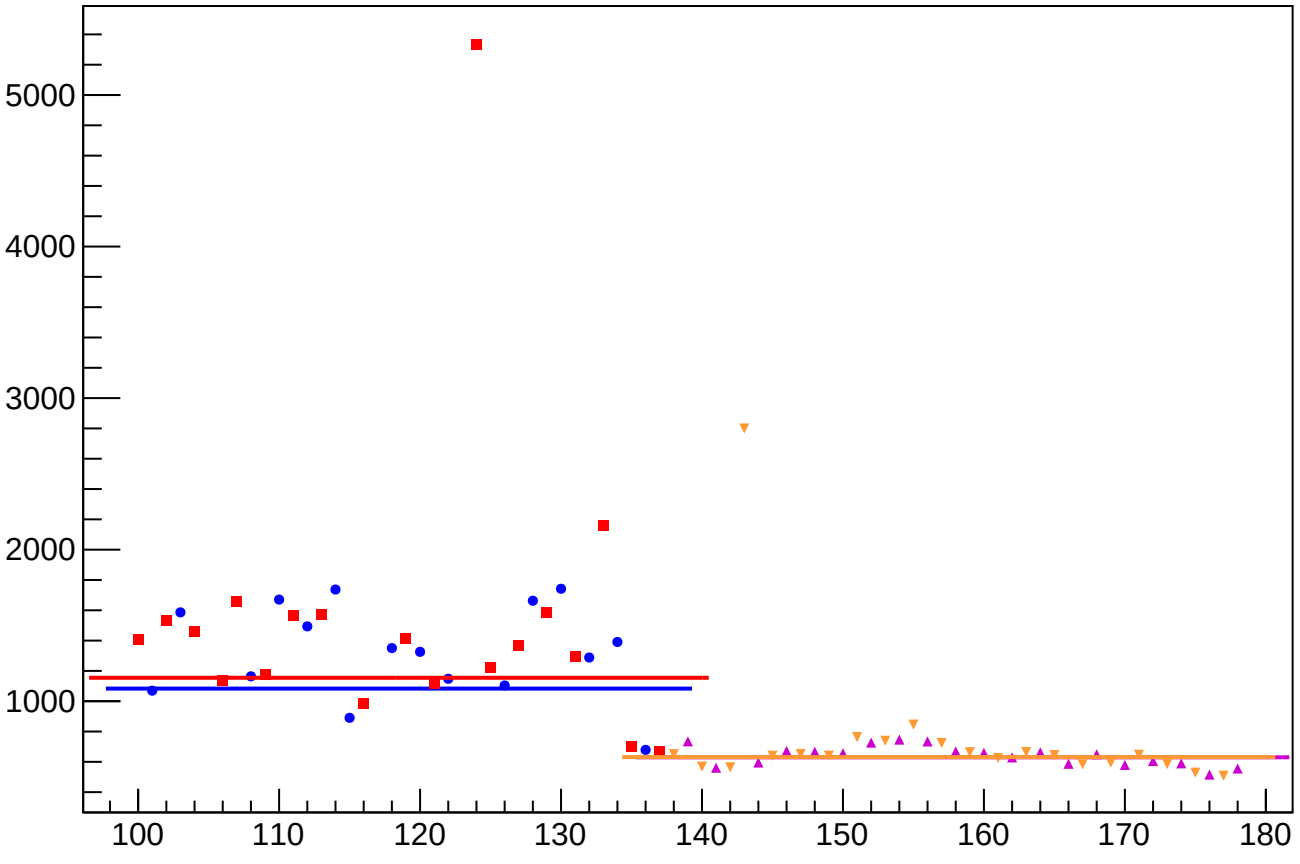
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 263.516+/-156.871 χ^2/NDF:17.7/19

+ sign 703.065+/-148.401 χ^2/NDF: 76.1/36

All: 501.666+/-104.810 χ^2/NDF: 115.2/75

- sign 301.228+/-148.047 χ^2/NDF: 35.4/38



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 631.200+/-0.112 χ^2/NDF:1428118.6/20

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

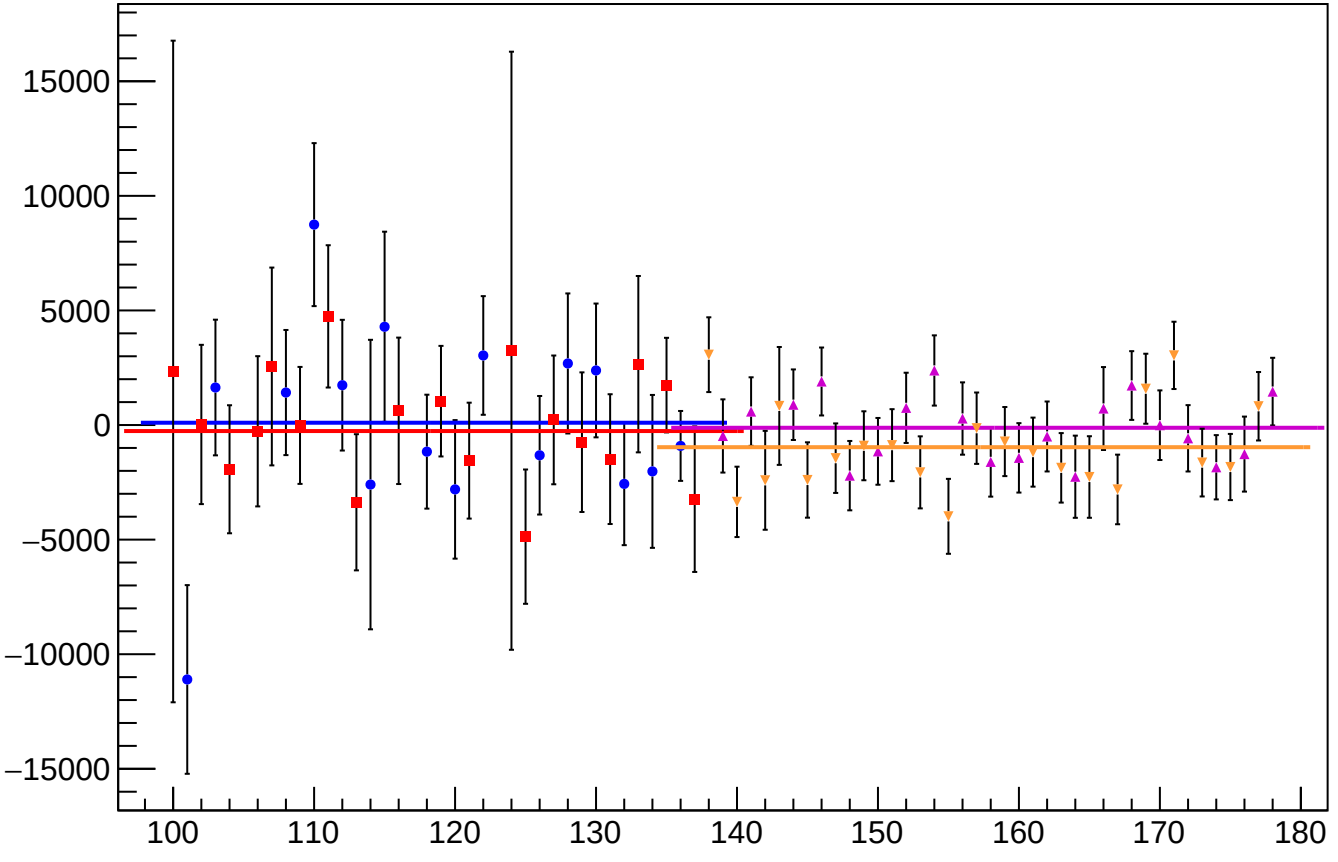
Left In: 629.938+/-0.111 χ^2/NDF:324421.7/19

+ sign 686.270+/-0.105 χ^2/NDF: 4774053.7/36

All: 686.794+/-0.074 χ^2/NDF: 9034029.1/75

- sign 687.315+/-0.105 χ^2/NDF: 4259925.7/38

asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -966.800+/-345.996 χ^2/NDF:29.2/20

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

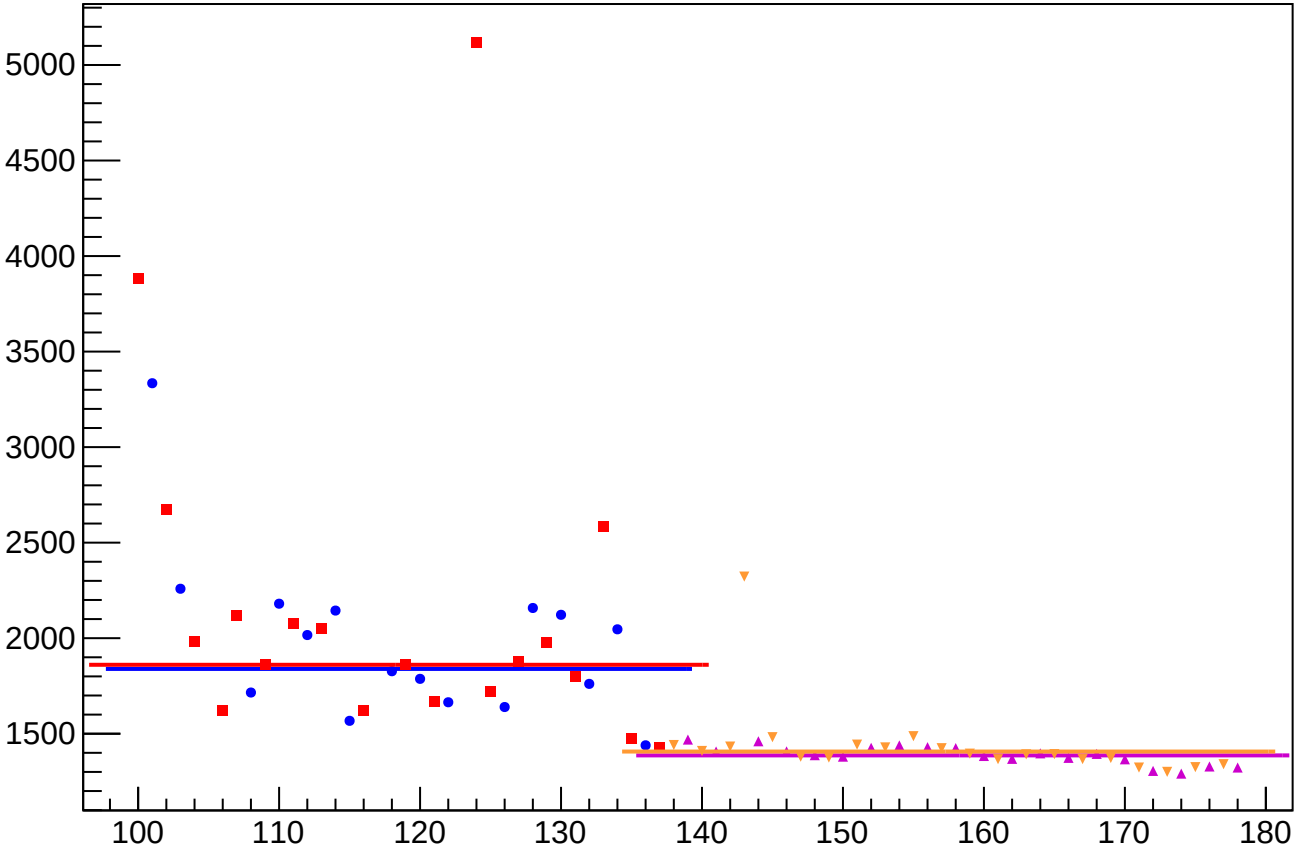
Left In: -119.804+/-343.188 χ^2/NDF:16.2/19

\+ sign -756.762+/-310.086 χ^2/NDF: 52.3/36

All: -450.206+/-218.567 χ^2/NDF: 80.8/75

\- sign -147.519+/-308.123 χ^2/NDF: 26.6/38

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1406.670+/-0.245 χ^2/NDF:298275.4/20

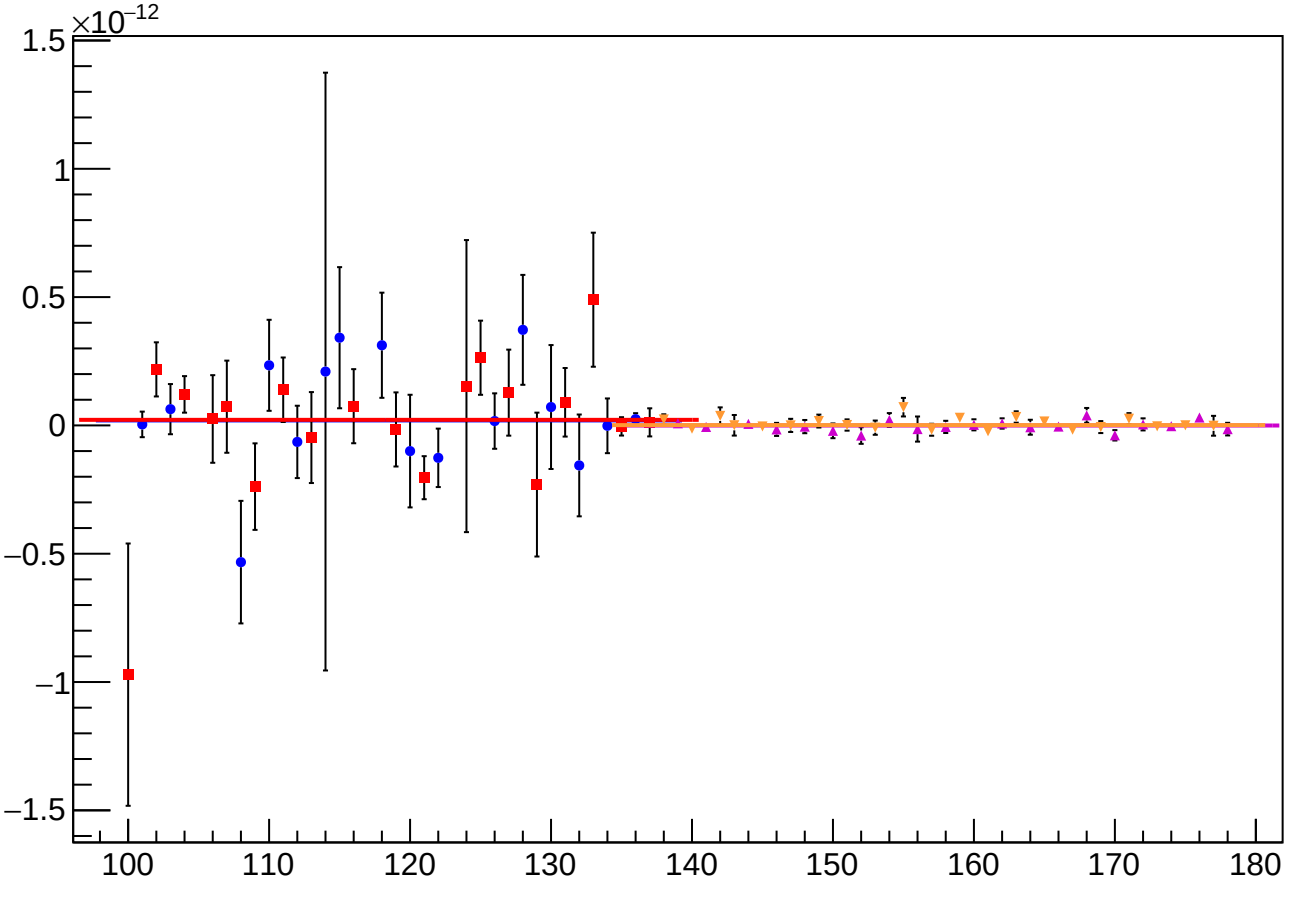
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1386.544+/-0.243 χ^2/NDF:39873.0/19

+ sign 1491.776+/-0.219 χ^2/NDF: 1469863.2/36

All: 1485.095+/-0.155 χ^2/NDF: 2774168.8/75

- sign 1478.499+/-0.218 χ^2/NDF: 1302460.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.7/20

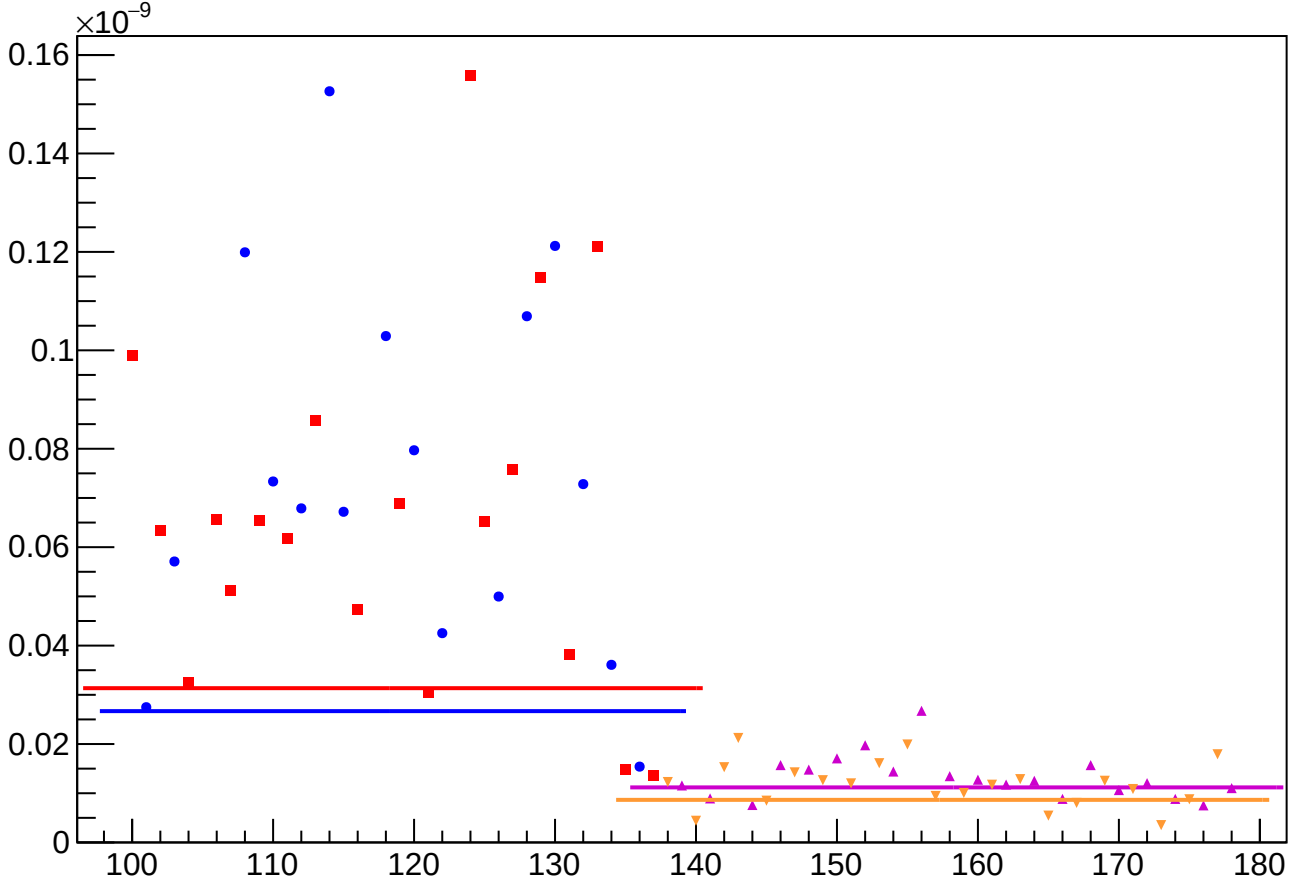
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:13.0/19

+ sign 0.000+/-0.000 χ^2/NDF: 36.1/36

All: 0.000+/-0.000 χ^2/NDF: 78.2/75

- sign 0.000+/-0.000 χ^2/NDF: 42.1/38



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2114148.2/20

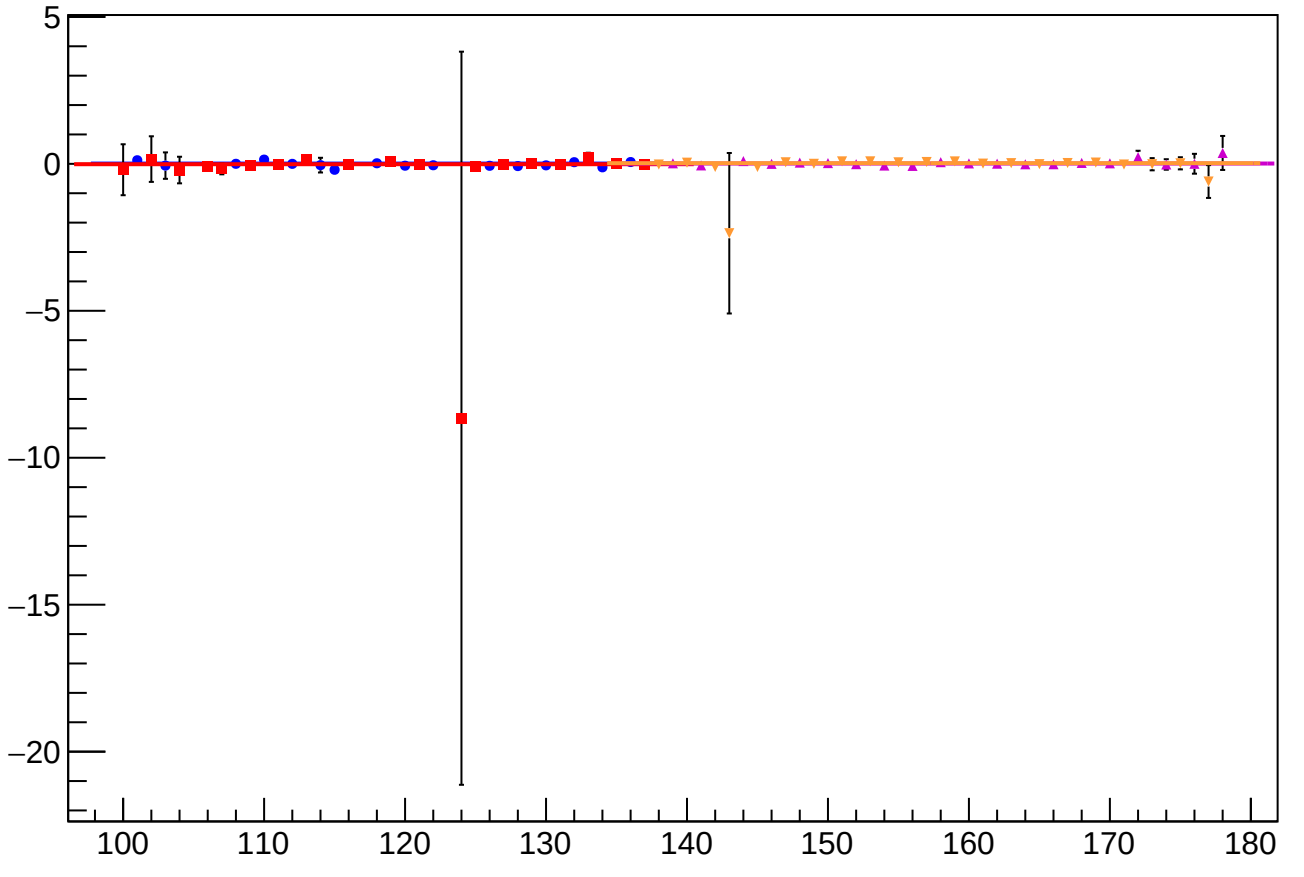
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:988305.0/19

+ sign 0.000+/-0.000 χ^2/NDF: 6452614.2/36

All: 0.000+/-0.000 χ^2/NDF: 11649699.2/75

- sign 0.000+/-0.000 χ^2/NDF: 4826815.5/38



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:19.4/20

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

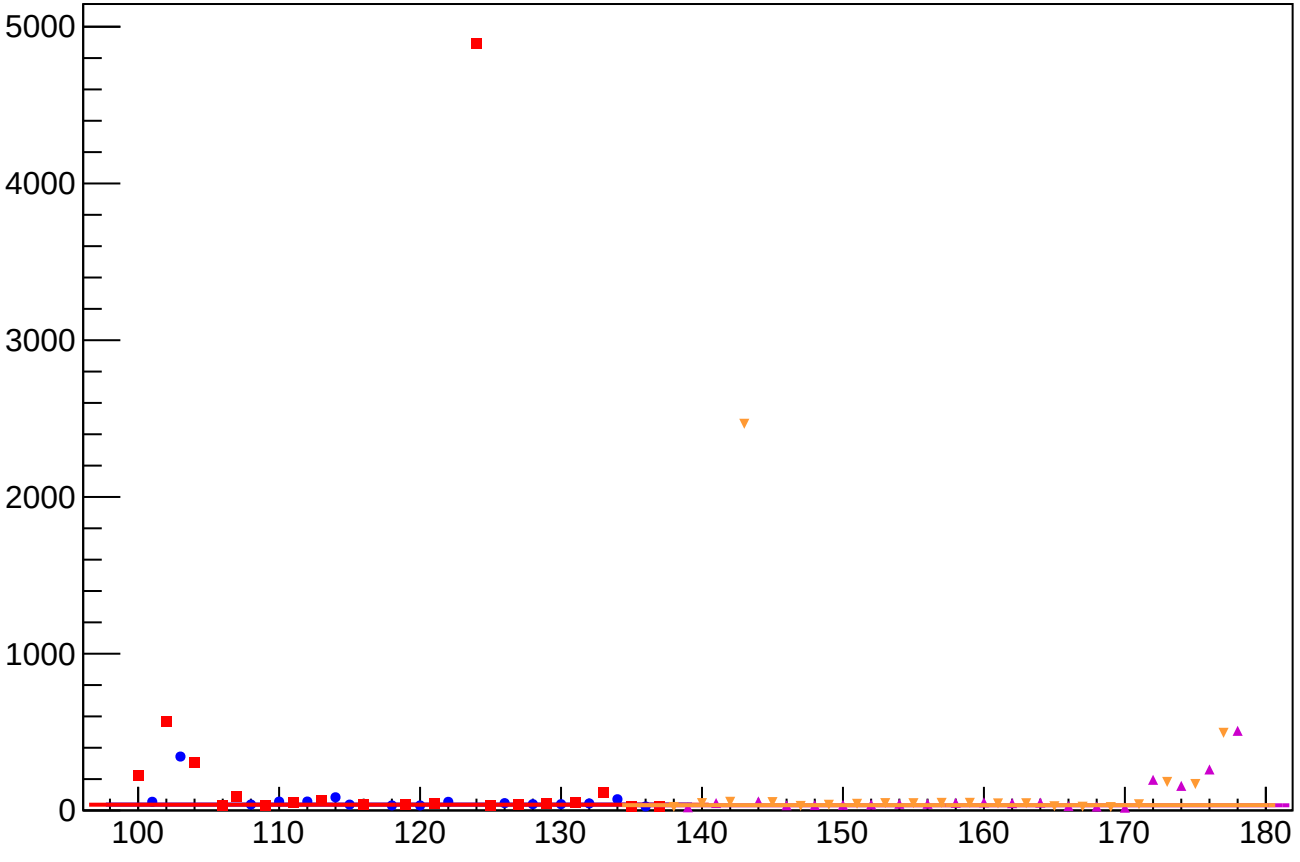
Left In: 0.010+/-0.010 χ^2/NDF:12.3/19

+ sign 0.018+/-0.009 χ^2/NDF: 39.2/36

All: 0.011+/-0.006 χ^2/NDF: 66.8/75

- sign 0.004+/-0.009 χ^2/NDF: 26.3/38

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: 33.822+/-0.007 χ^2/NDF:7220370.2/20

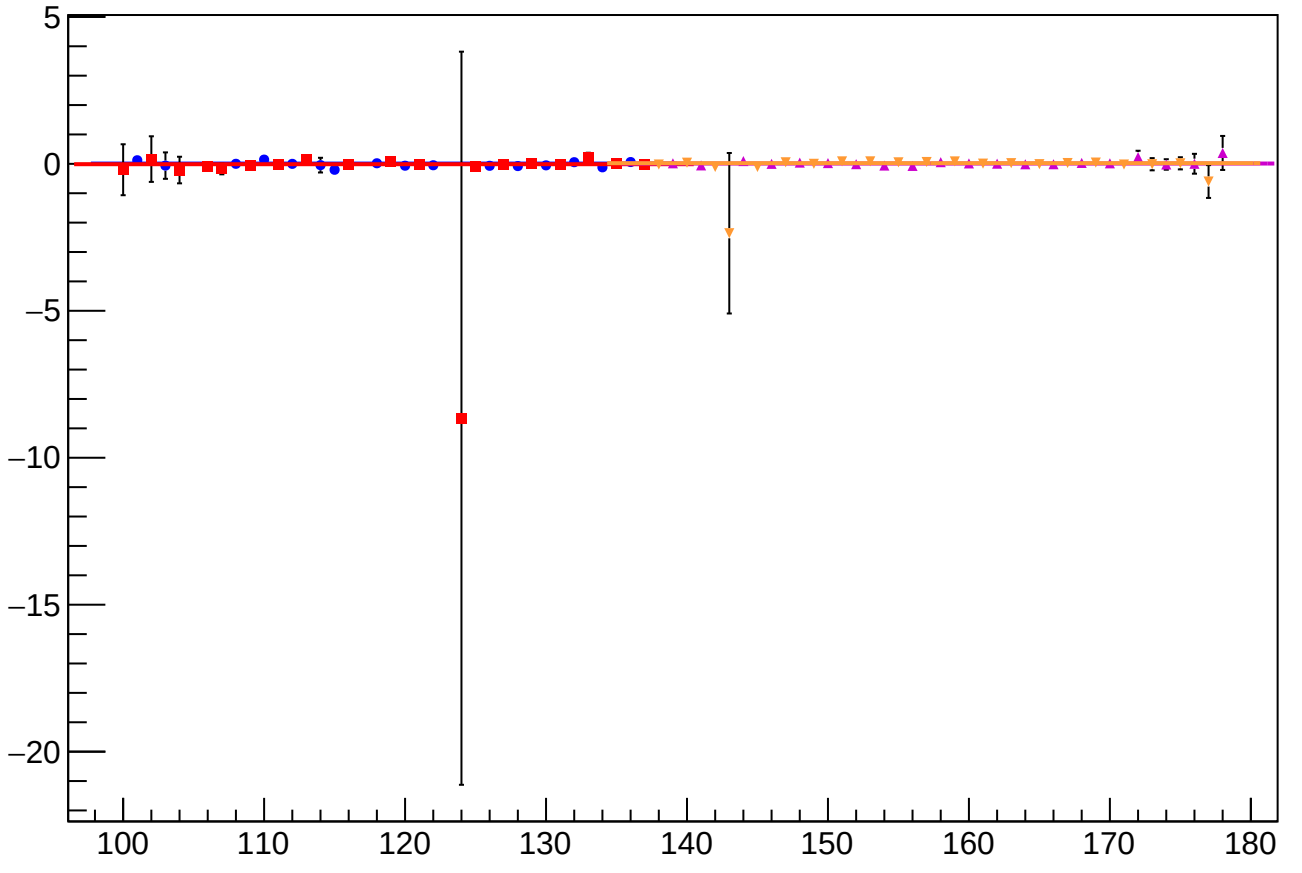
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.959+/-0.007 χ^2/NDF:7081789.7/19

\+ sign 34.879+/-0.006 χ^2/NDF: 9277964.0/36

All: 34.417+/-0.004 χ^2/NDF: 19639111.6/75

\- sign 33.964+/-0.006 χ^2/NDF: 10349794.6/38



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:19.4/20

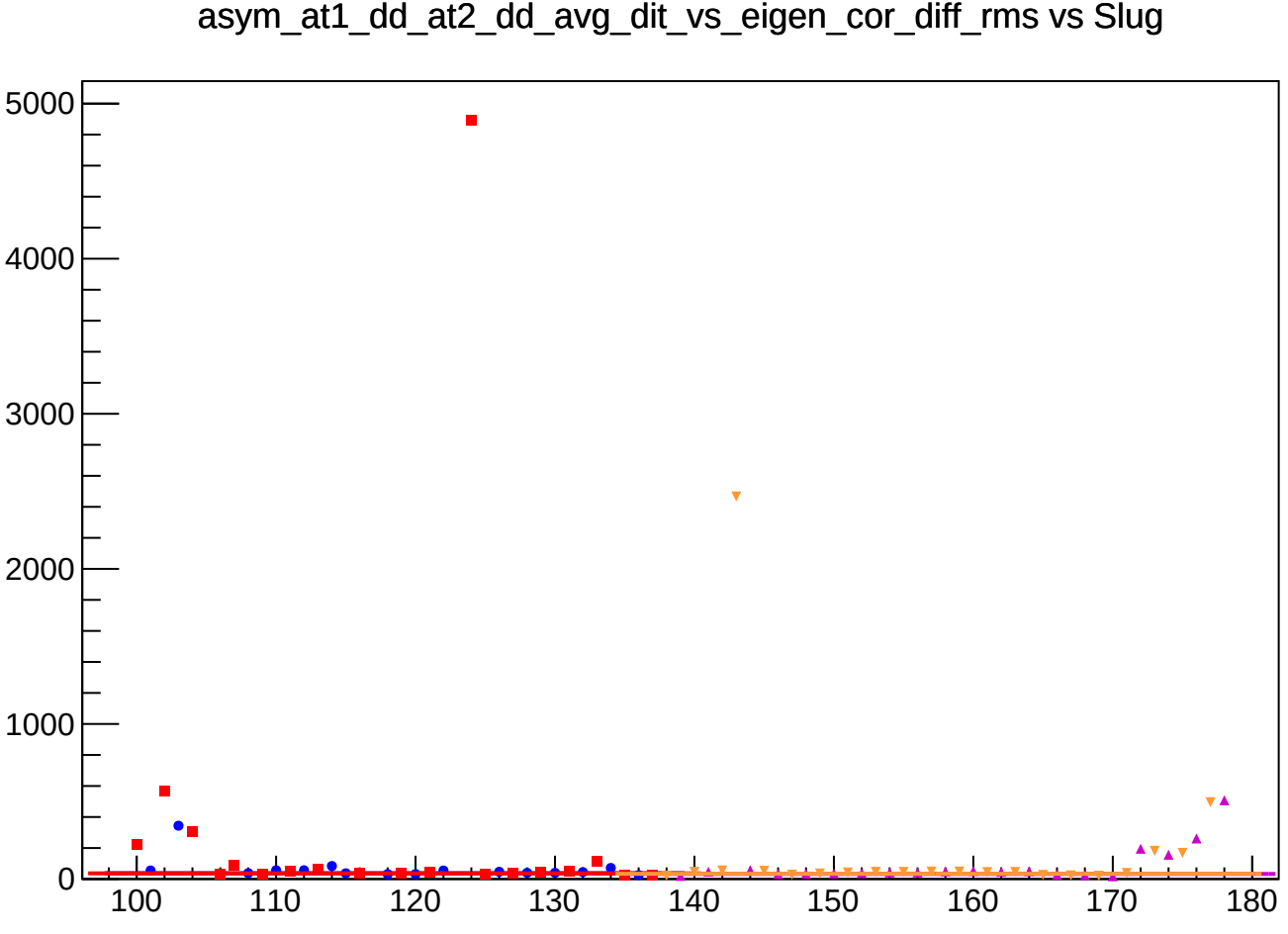
Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:12.3/19

+ sign 0.018+/-0.009 χ^2/NDF: 39.2/36

All: 0.011+/-0.006 χ^2/NDF: 66.8/75

- sign 0.004+/-0.009 χ^2/NDF: 26.3/38



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 33.822+/-0.007 χ^2/NDF:7220370.2/20

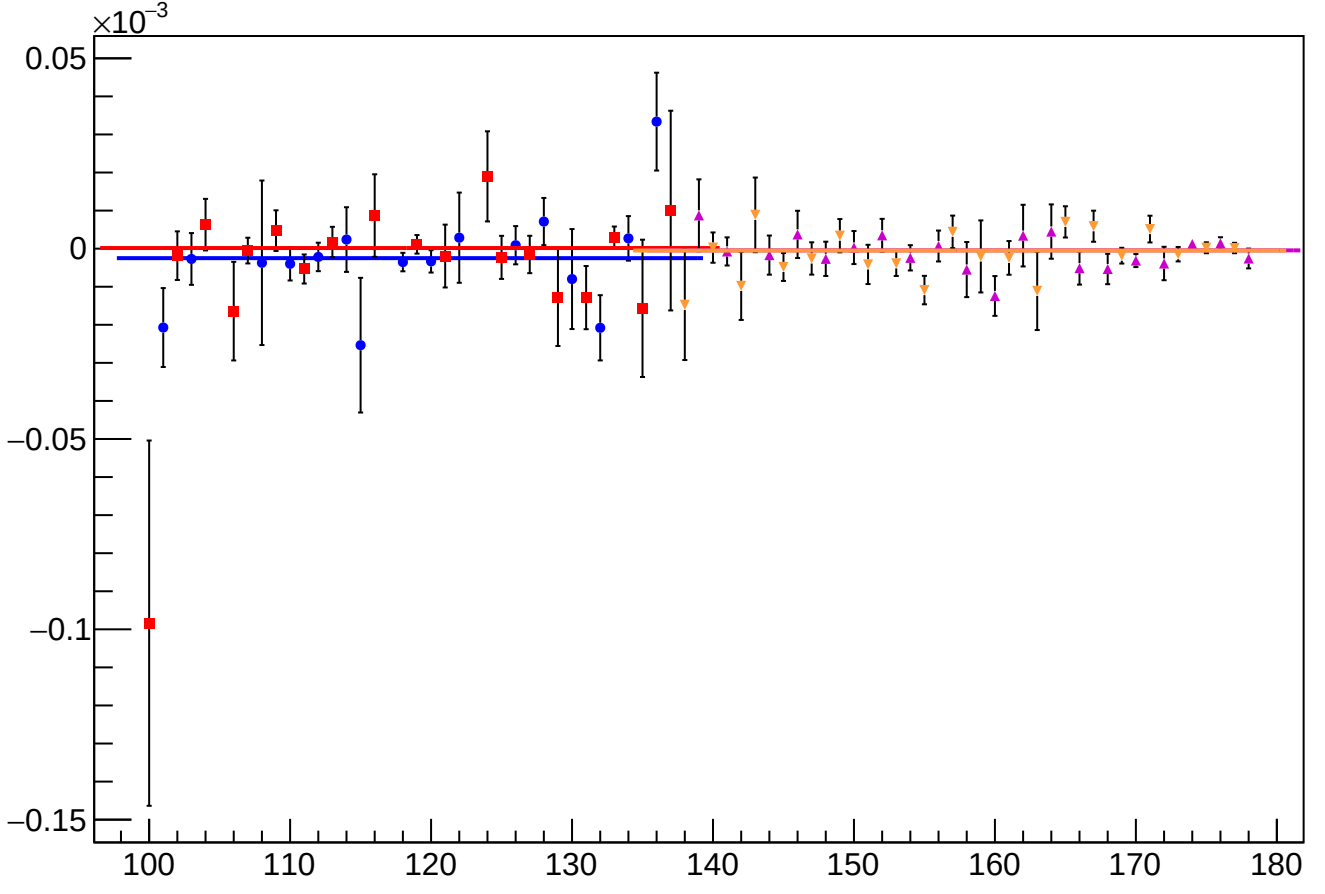
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.959+/-0.007 χ^2/NDF:7081789.7/19

+ sign 34.879+/-0.006 χ^2/NDF: 9277964.0/36

All: 34.417+/-0.004 χ^2/NDF: 19639111.6/75

- sign 33.964+/-0.006 χ^2/NDF: 10349794.6/38



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.8/20

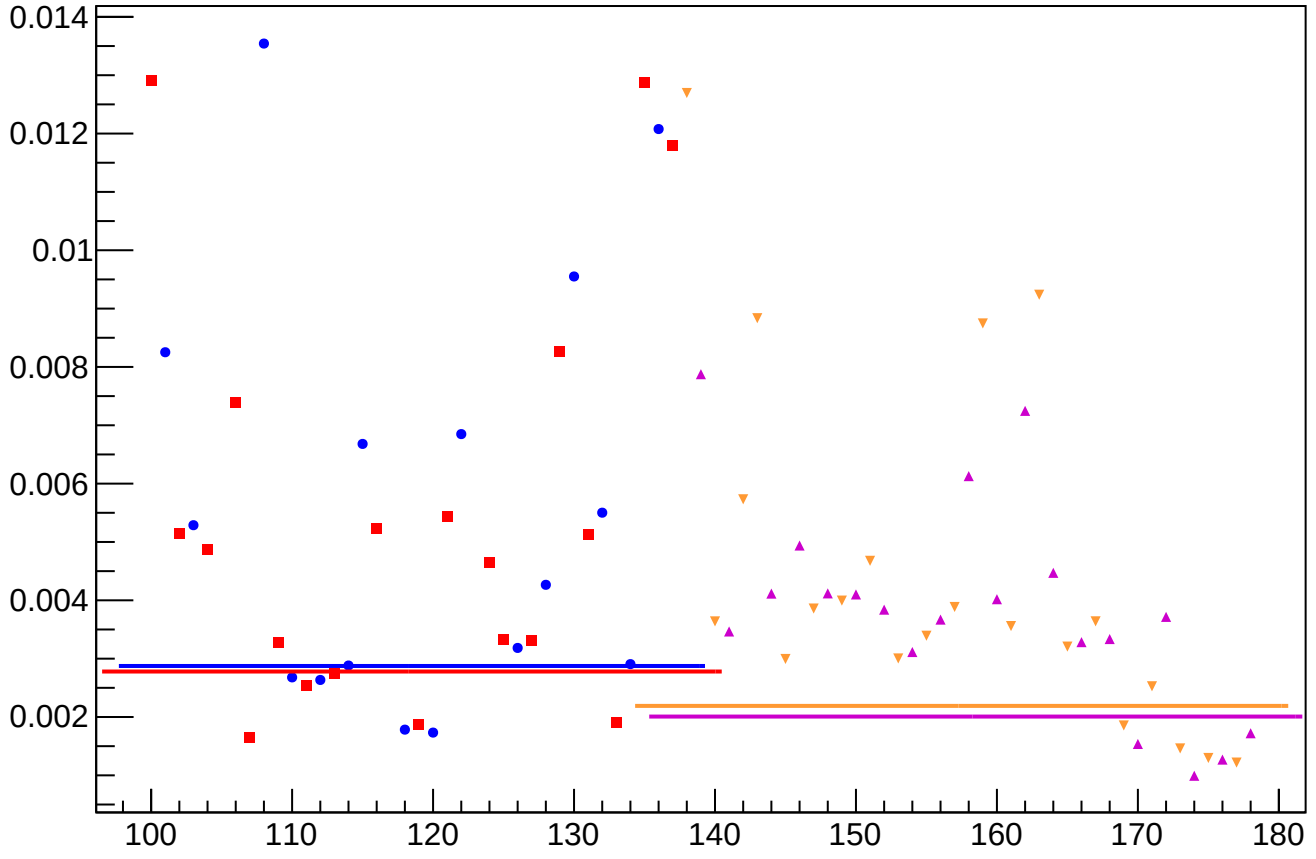
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:19.6/19

+ sign -0.000+/-0.000 χ^2/NDF: 50.6/36

All: -0.000+/-0.000 χ^2/NDF: 89.7/75

- sign -0.000+/-0.000 χ^2/NDF: 38.7/38



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:9009808.0/20

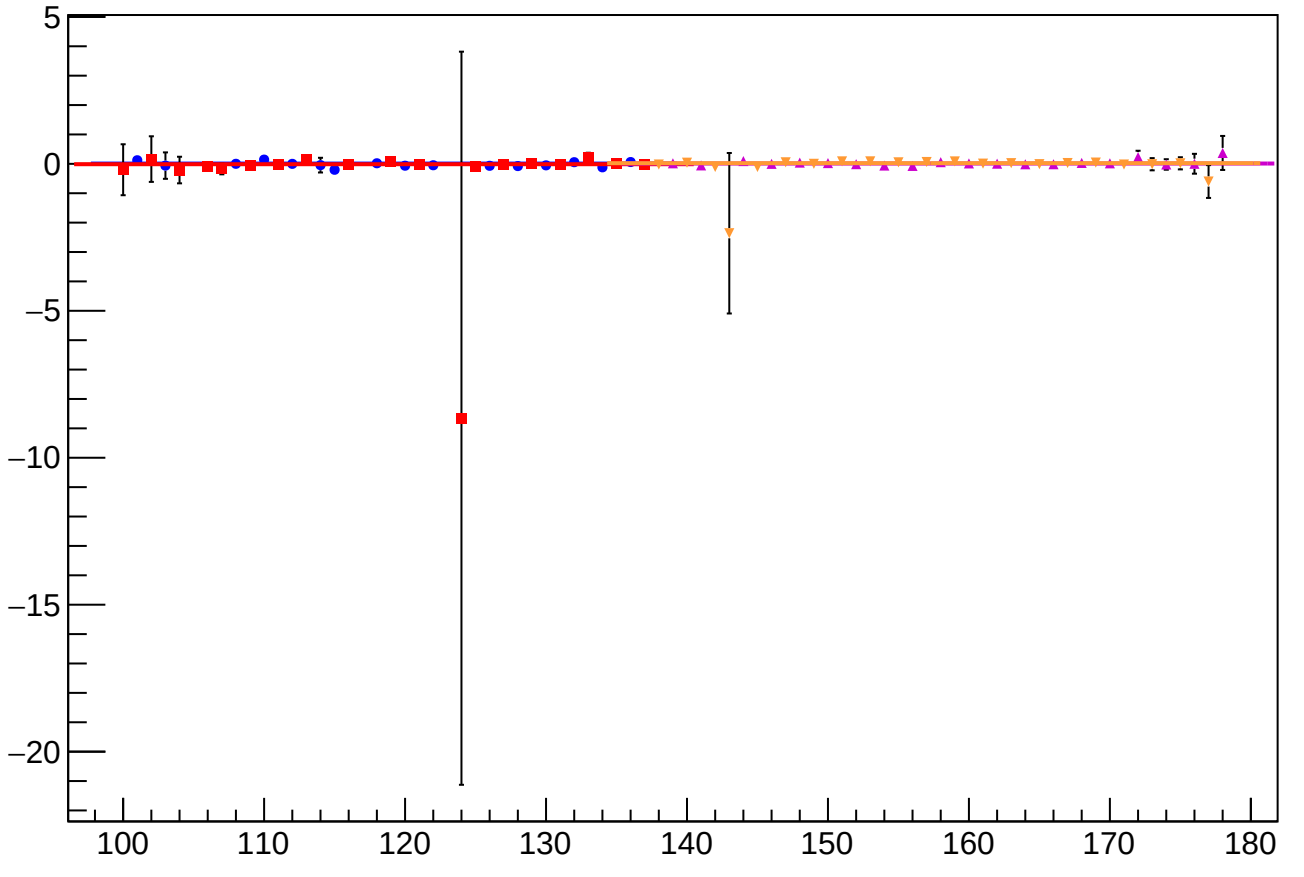
Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.002+/-0.000 χ^2/NDF:8778357.6/19

+ sign 0.002+/-0.000 χ^2/NDF: 13601042.2/36

All: 0.002+/-0.000 χ^2/NDF: 26422166.7/75

- sign 0.002+/-0.000 χ^2/NDF: 12757719.0/38



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:19.4/20

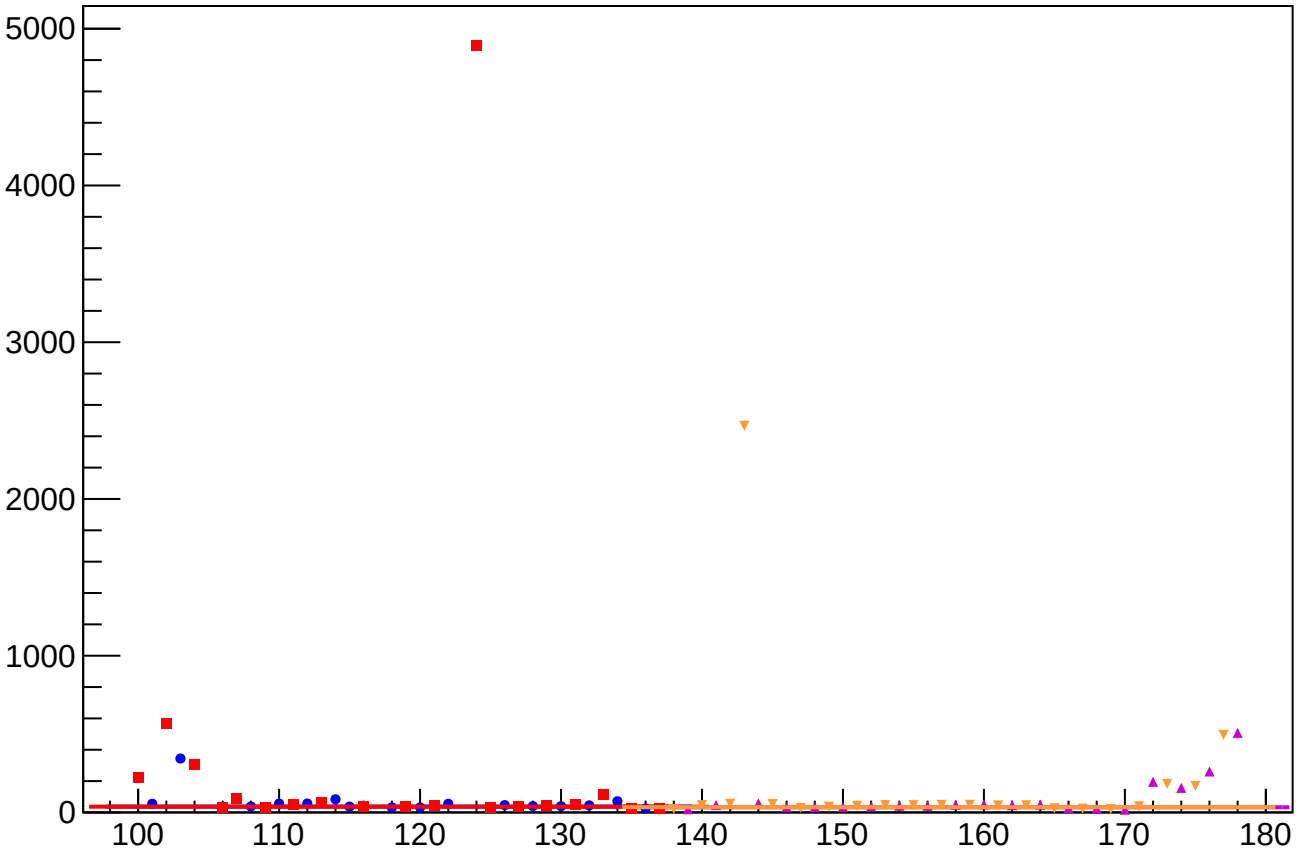
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:12.3/19

+ sign 0.018+/-0.009 χ^2/NDF: 39.2/36

All: 0.011+/-0.006 χ^2/NDF: 66.8/75

- sign 0.004+/-0.009 χ^2/NDF: 26.3/38



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.821+/-0.007 χ^2/NDF:7220458.7/20

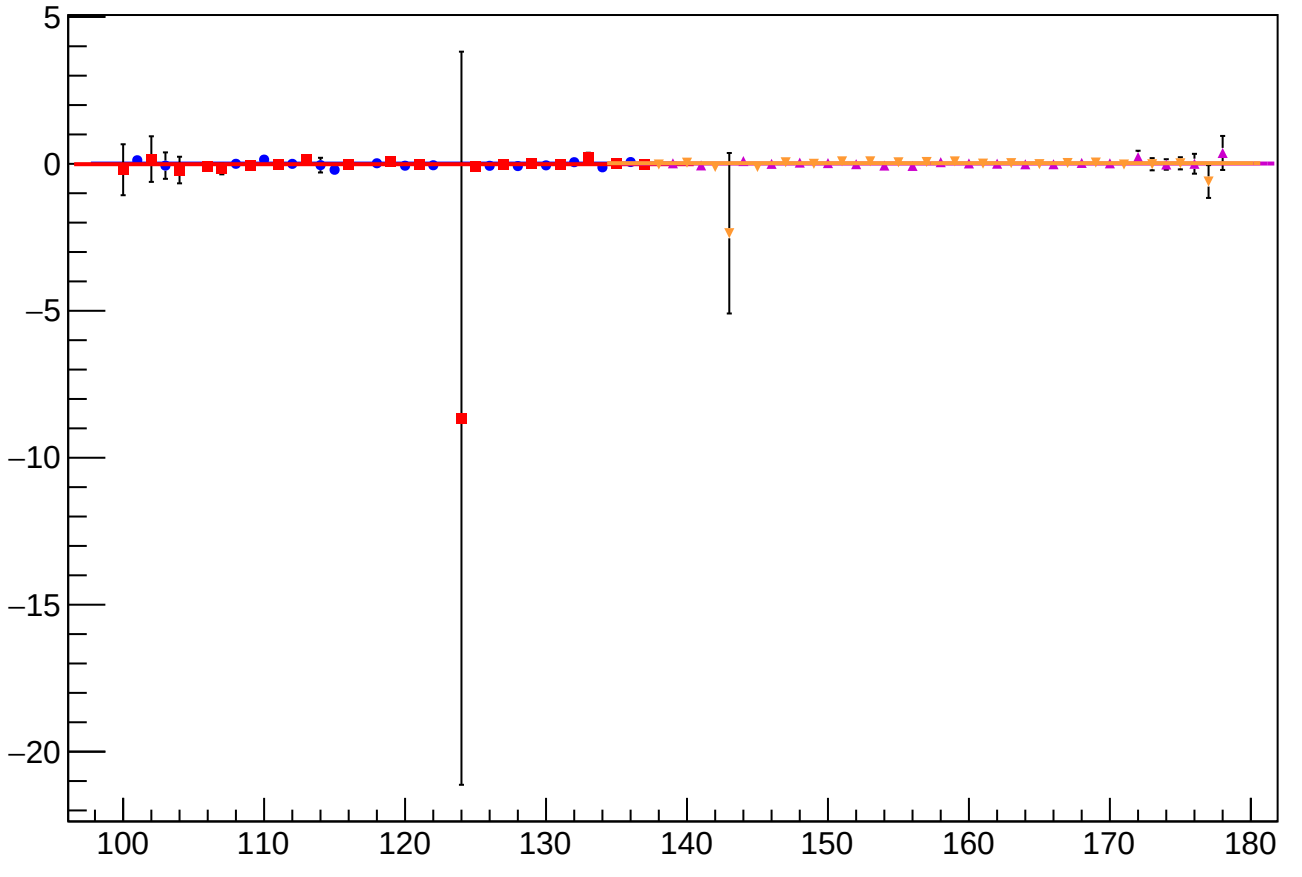
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.961+/-0.007 χ^2/NDF:7080579.3/19

\+ sign 34.878+/-0.006 χ^2/NDF: 9278043.3/36

All: 34.418+/-0.004 χ^2/NDF: 19637587.4/75

\- sign 33.966+/-0.006 χ^2/NDF: 10348257.5/38



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:19.4/20

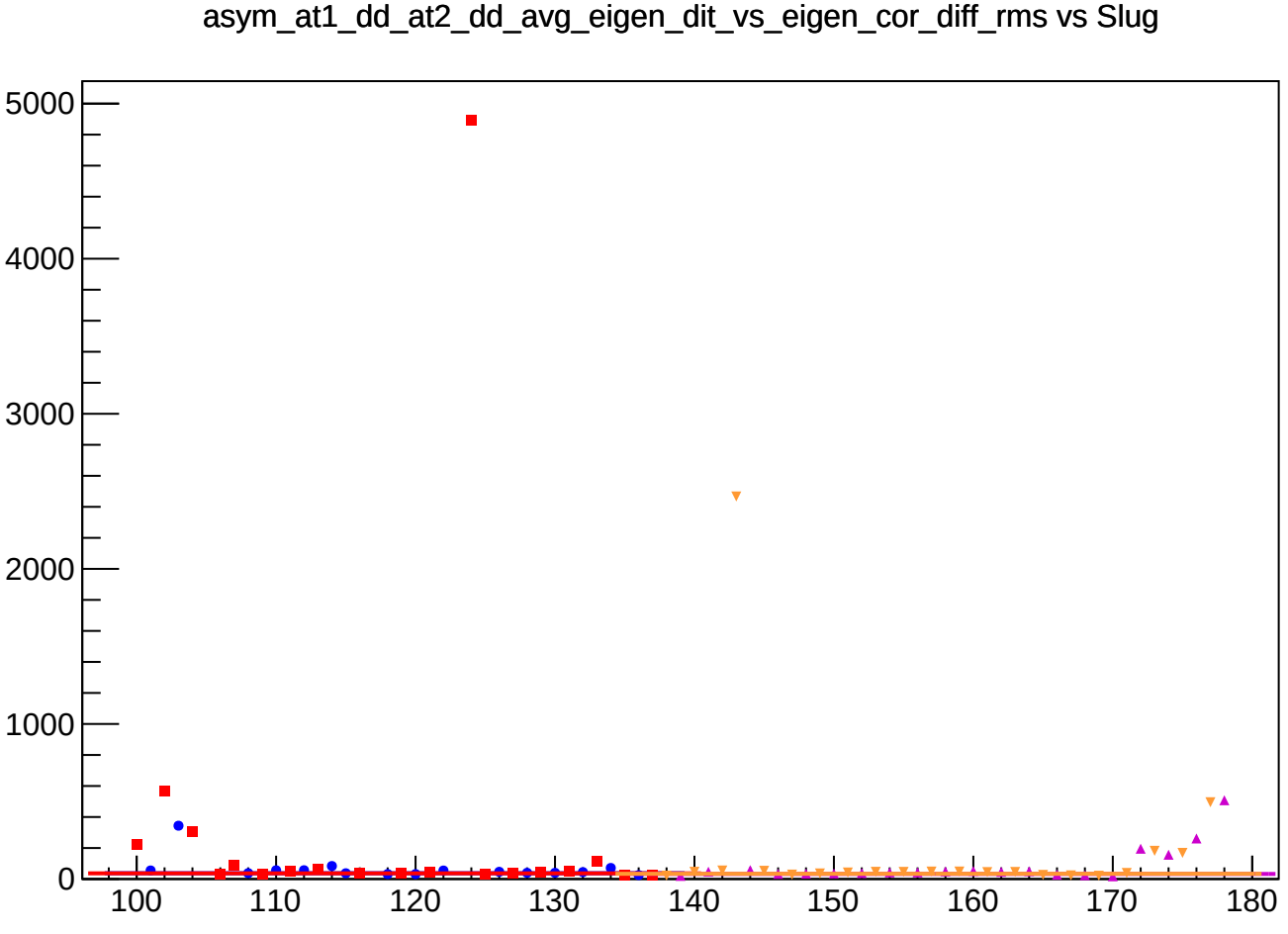
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:12.3/19

+ sign 0.018+/-0.009 χ^2/NDF: 39.2/36

All: 0.011+/-0.006 χ^2/NDF: 66.8/75

- sign 0.004+/-0.009 χ^2/NDF: 26.3/38



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.821+/-0.007 χ^2/NDF:7220458.7/20

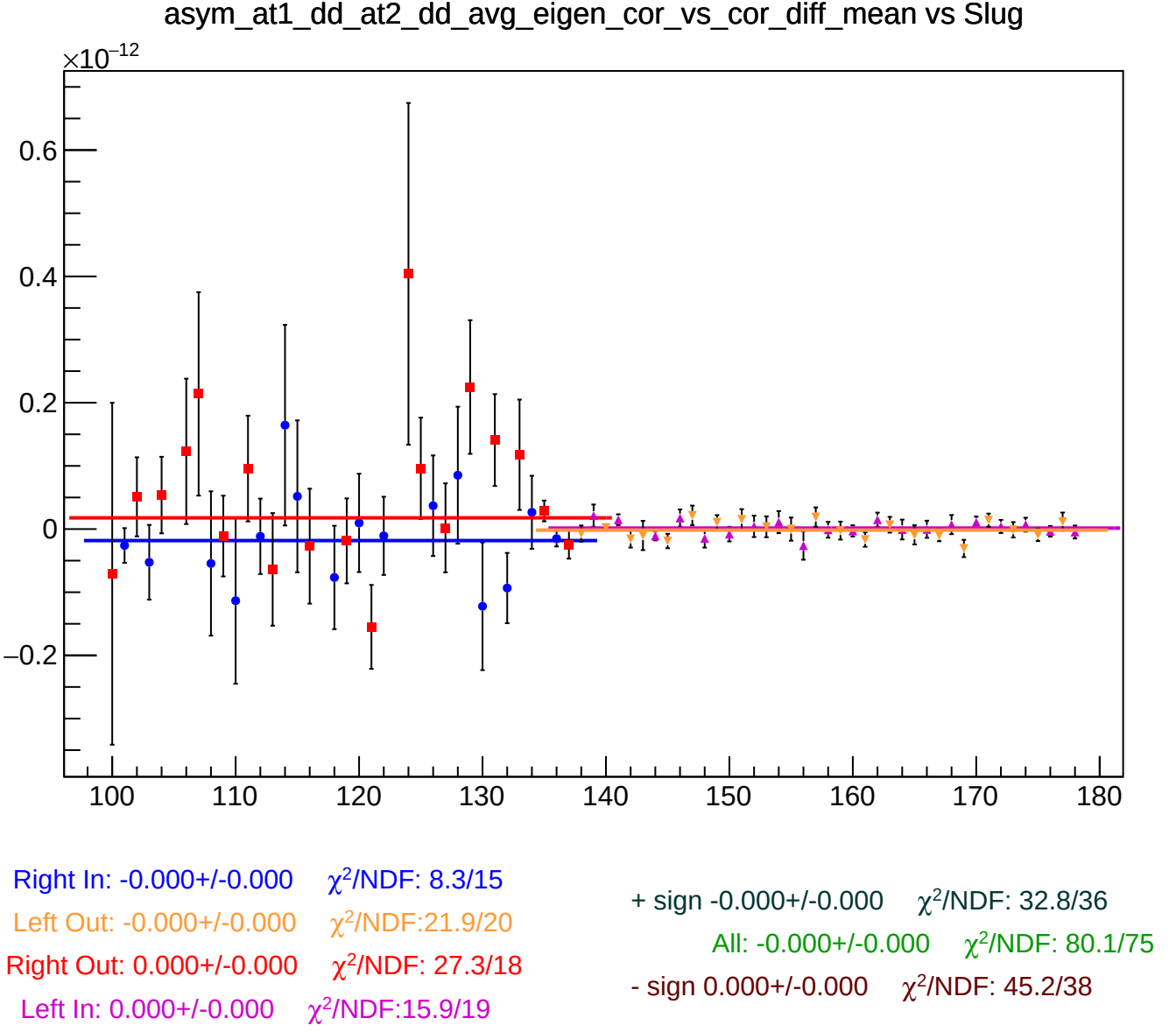
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

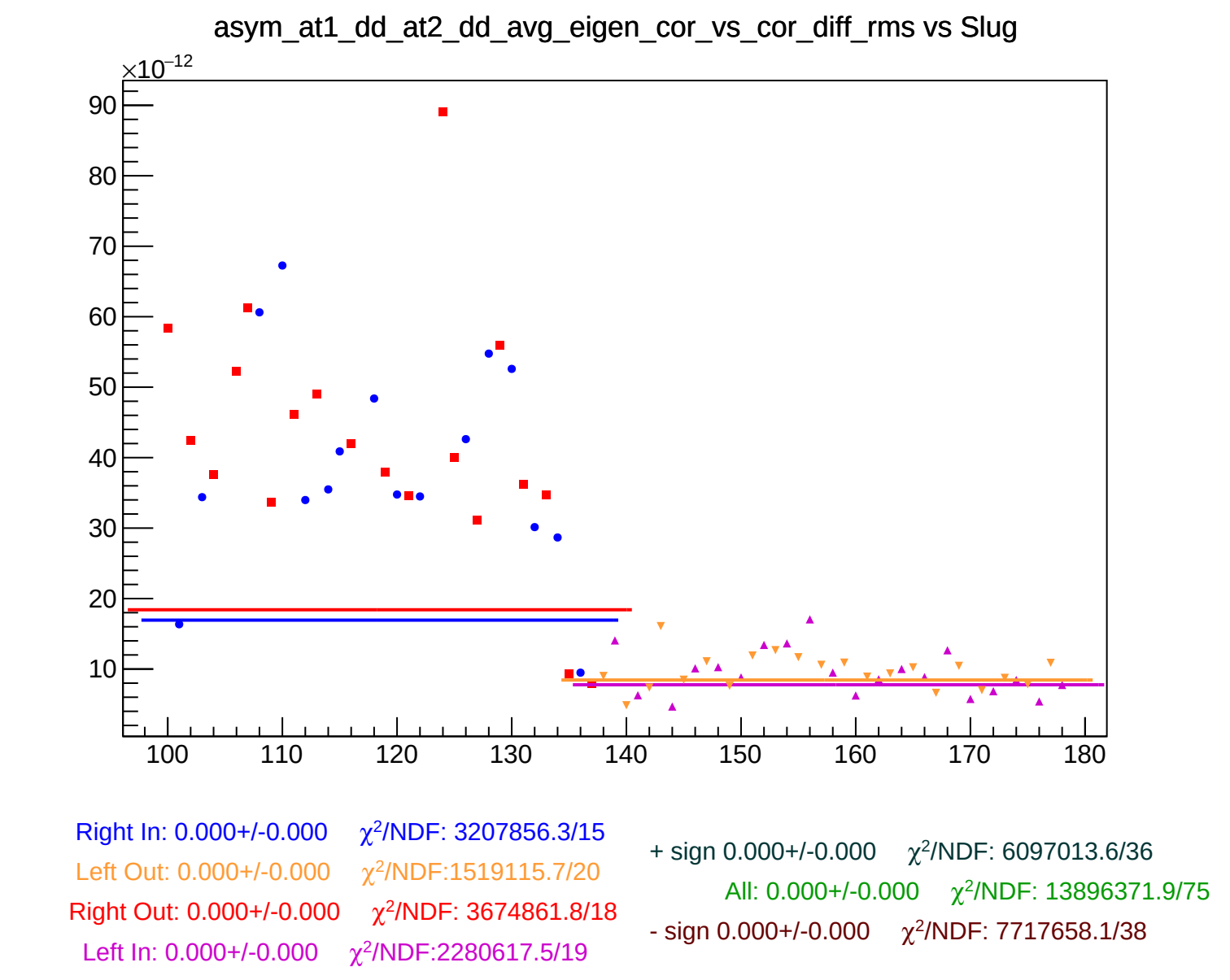
Left In: 32.961+/-0.007 χ^2/NDF:7080579.3/19

\+ sign 34.878+/-0.006 χ^2/NDF: 9278043.3/36

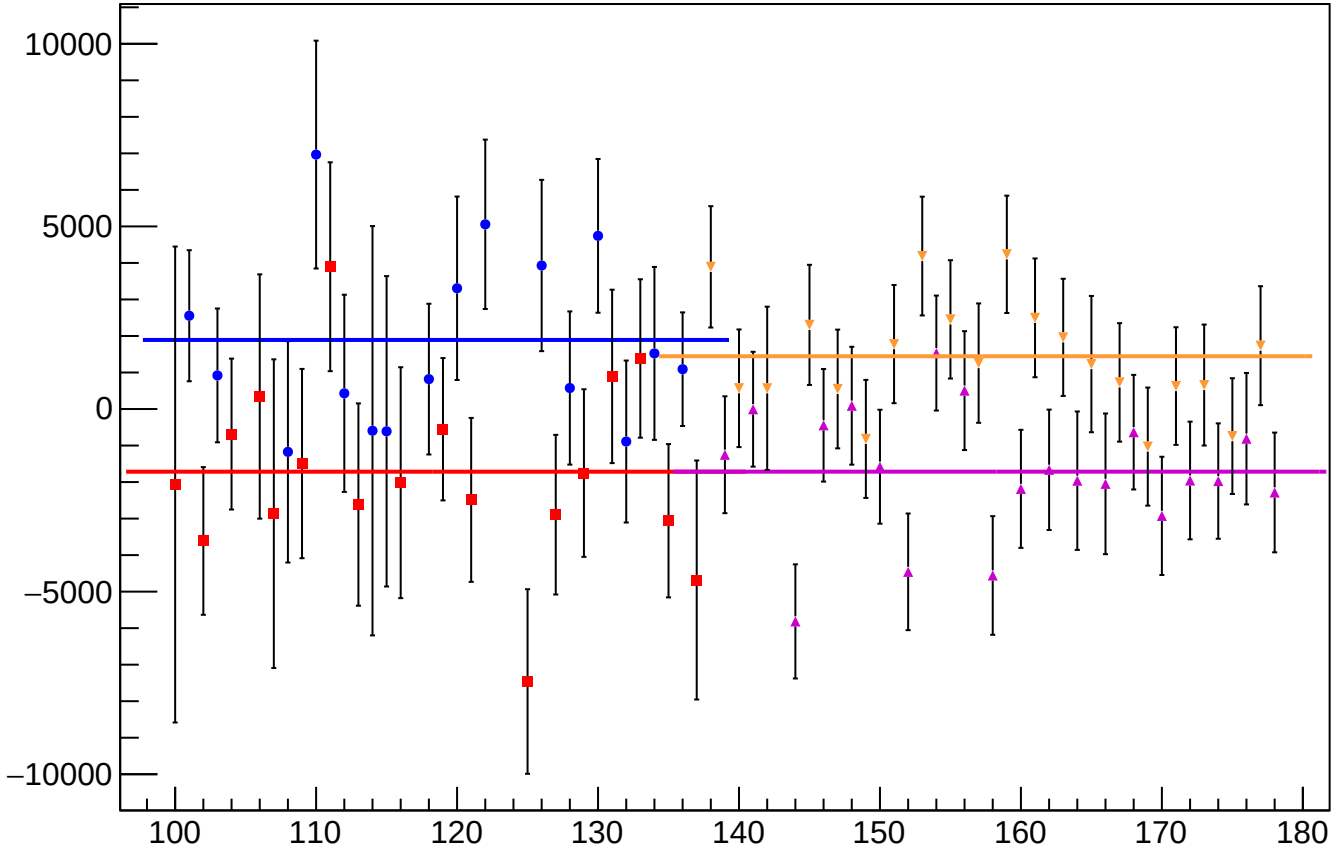
All: 34.418+/-0.004 χ^2/NDF: 19637587.4/75

\- sign 33.966+/-0.006 χ^2/NDF: 10348257.5/38


asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 8.3/15
Left Out: -0.000+/-0.000 χ²/NDF:21.9/20
Right Out: 0.000+/-0.000 χ²/NDF: 27.3/18
Left In: 0.000+/-0.000 χ²/NDF:15.9/19
+ sign -0.000+/-0.000 χ²/NDF: 32.8/36
All: -0.000+/-0.000 χ²/NDF: 80.1/75
- sign 0.000+/-0.000 χ²/NDF: 45.2/38


asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
90
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3207856.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1519115.7/20
Right Out: 0.000+/-0.000 χ²/NDF: 3674861.8/18
Left In: 0.000+/-0.000 χ²/NDF:2280617.5/19
+ sign 0.000+/-0.000 χ²/NDF: 6097013.6/36
All: 0.000+/-0.000 χ²/NDF: 13896371.9/75
- sign 0.000+/-0.000 χ²/NDF: 7717658.1/38

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1445.021+/-369.522 χ^2/NDF:17.0/19

Right Out: -1715.909+/-589.518 χ^2/NDF: 16.0/17

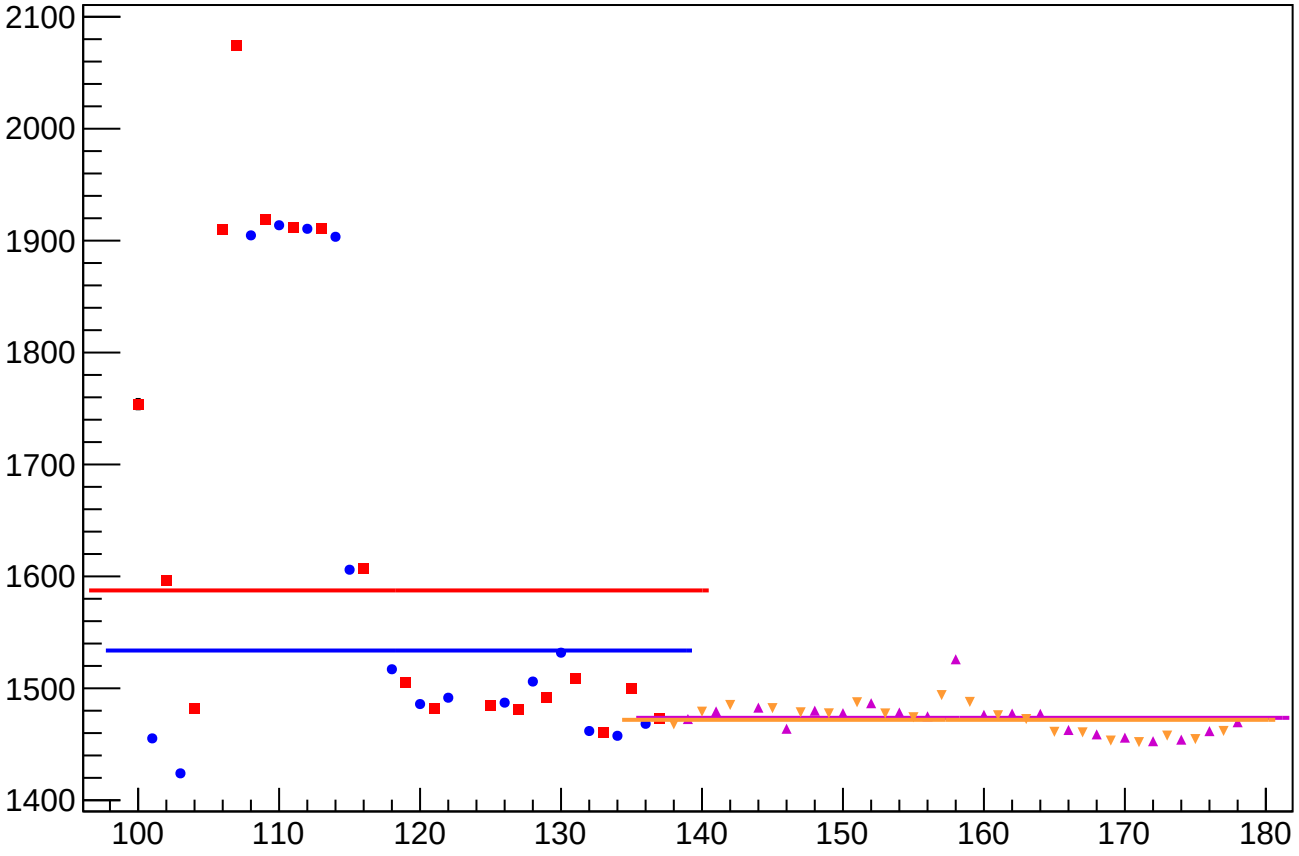
Left In: -1715.280+/-364.506 χ^2/NDF:23.8/19

+ sign 1576.396+/-310.426 χ^2/NDF: 29.6/35

All: -71.634+/-219.364 χ^2/NDF: 125.7/73

- sign -1715.454+/-310.029 χ^2/NDF: 39.8/37

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1471.845+/-0.261 χ^2/NDF:2242.4/19

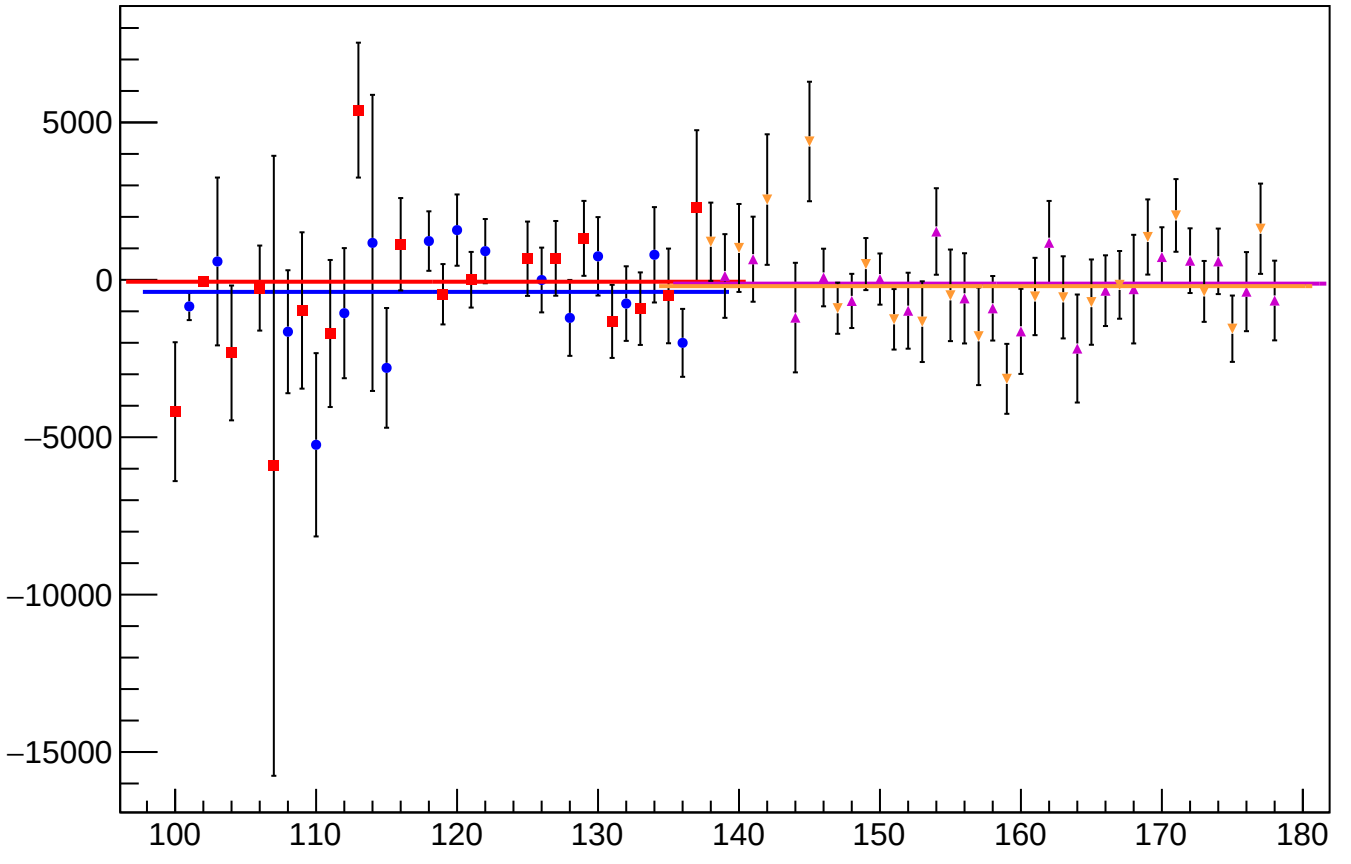
Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1473.629+/-0.258 χ^2/NDF:3692.8/19

+ sign 1490.068+/-0.220 χ^2/NDF: 148043.1/35

All: 1497.599+/-0.155 χ^2/NDF: 380022.4/73

- sign 1505.112+/-0.219 χ^2/NDF: 229627.8/37



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: -200.347+/-261.683 χ^2/NDF:30.3/19

Right Out: -59.970+/-127.700 χ^2/NDF: 17.8/17

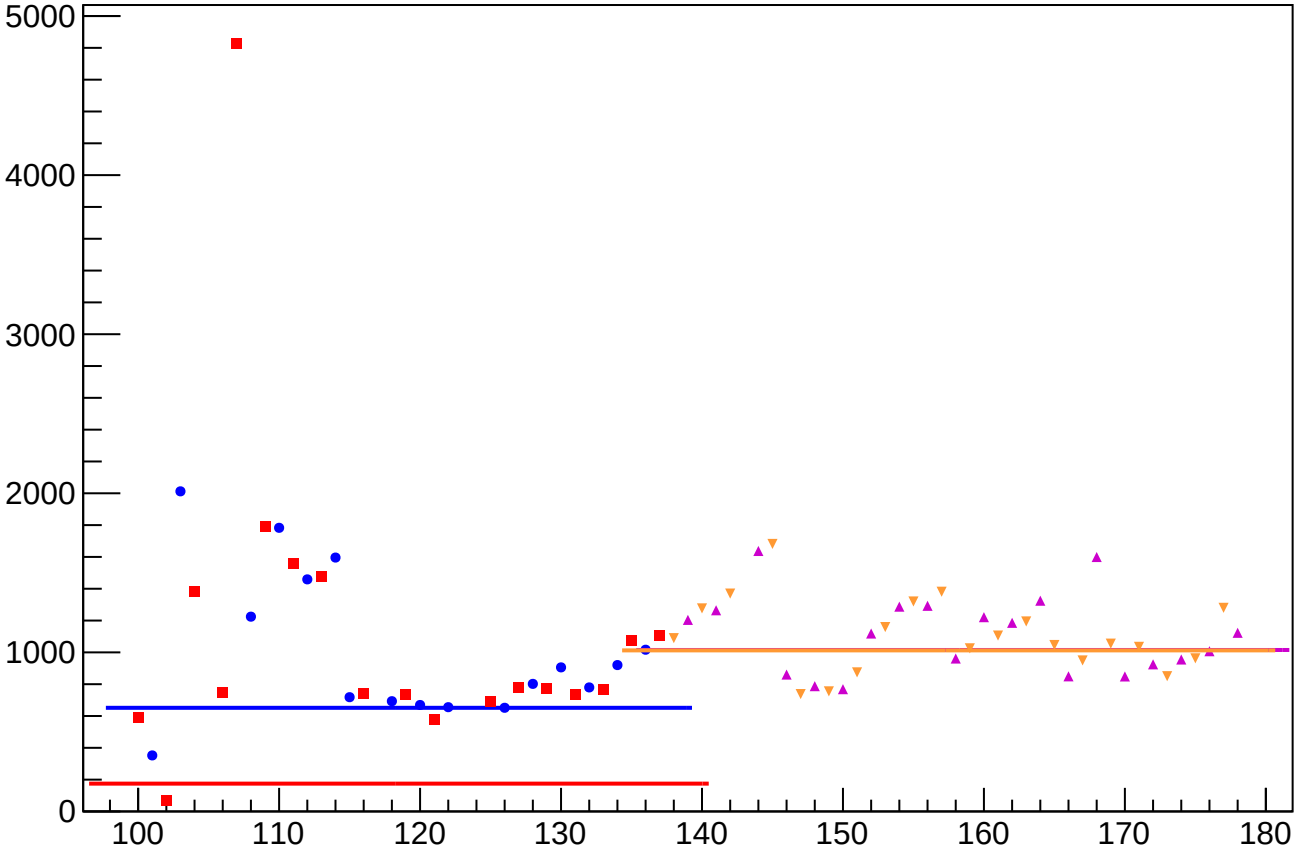
Left In: -120.853+/-258.319 χ^2/NDF:9.6/19

+ sign -287.971+/-188.649 χ^2/NDF: 48.7/35

All: -130.071+/-97.867 χ^2/NDF: 77.1/73

- sign -71.927+/-114.476 χ^2/NDF: 27.4/37

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 1012.516+/-0.185 χ^2/NDF:1271916.6/19

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

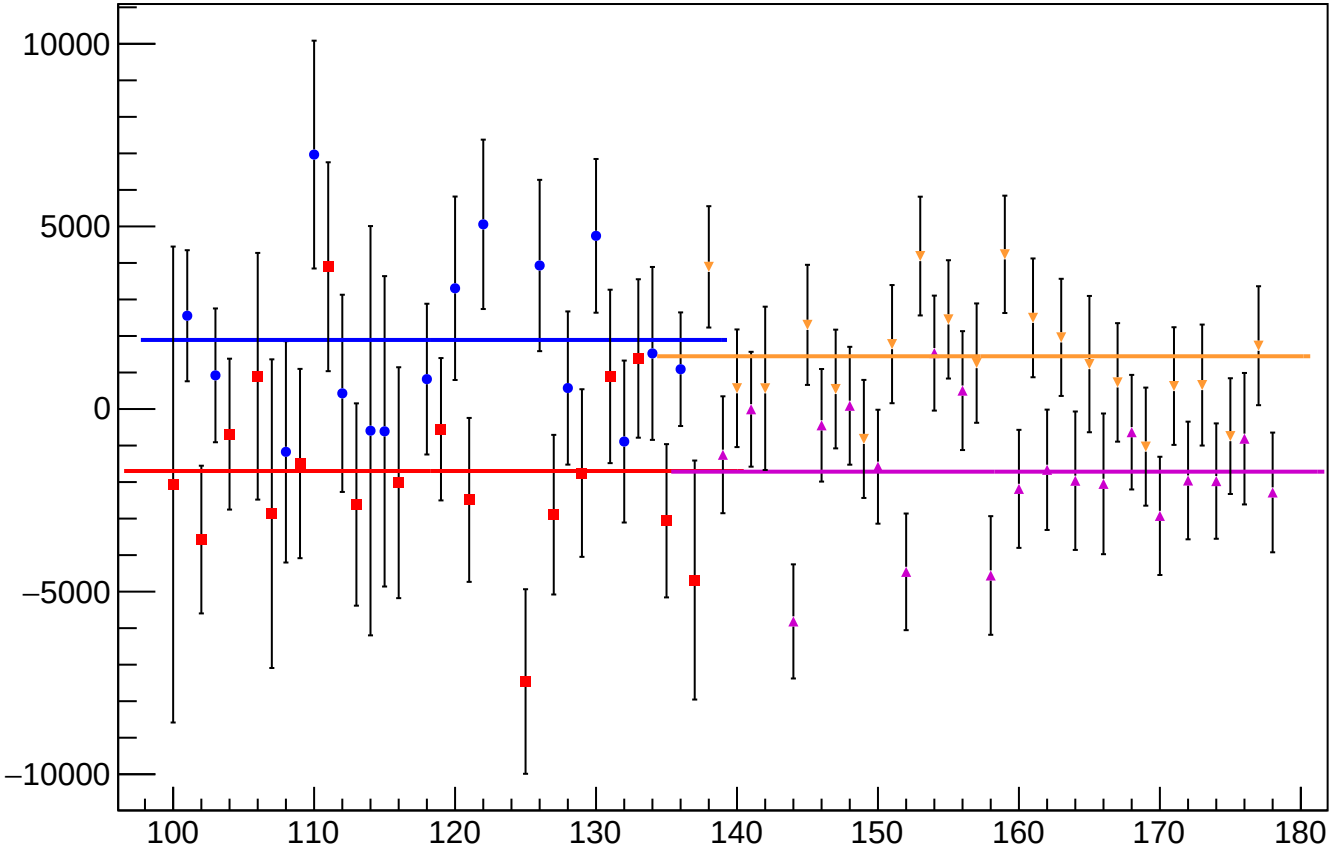
Left In: 1015.043+/-0.183 χ^2/NDF:1435387.6/19

+ sign 839.134+/-0.133 χ^2/NDF: 5862601.2/35

All: 474.254+/-0.069 χ^2/NDF: 44297241.9/73

- sign 339.894+/-0.081 χ^2/NDF: 28197460.6/37

cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1444.998+/-369.522 χ^2/NDF:17.0/19

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

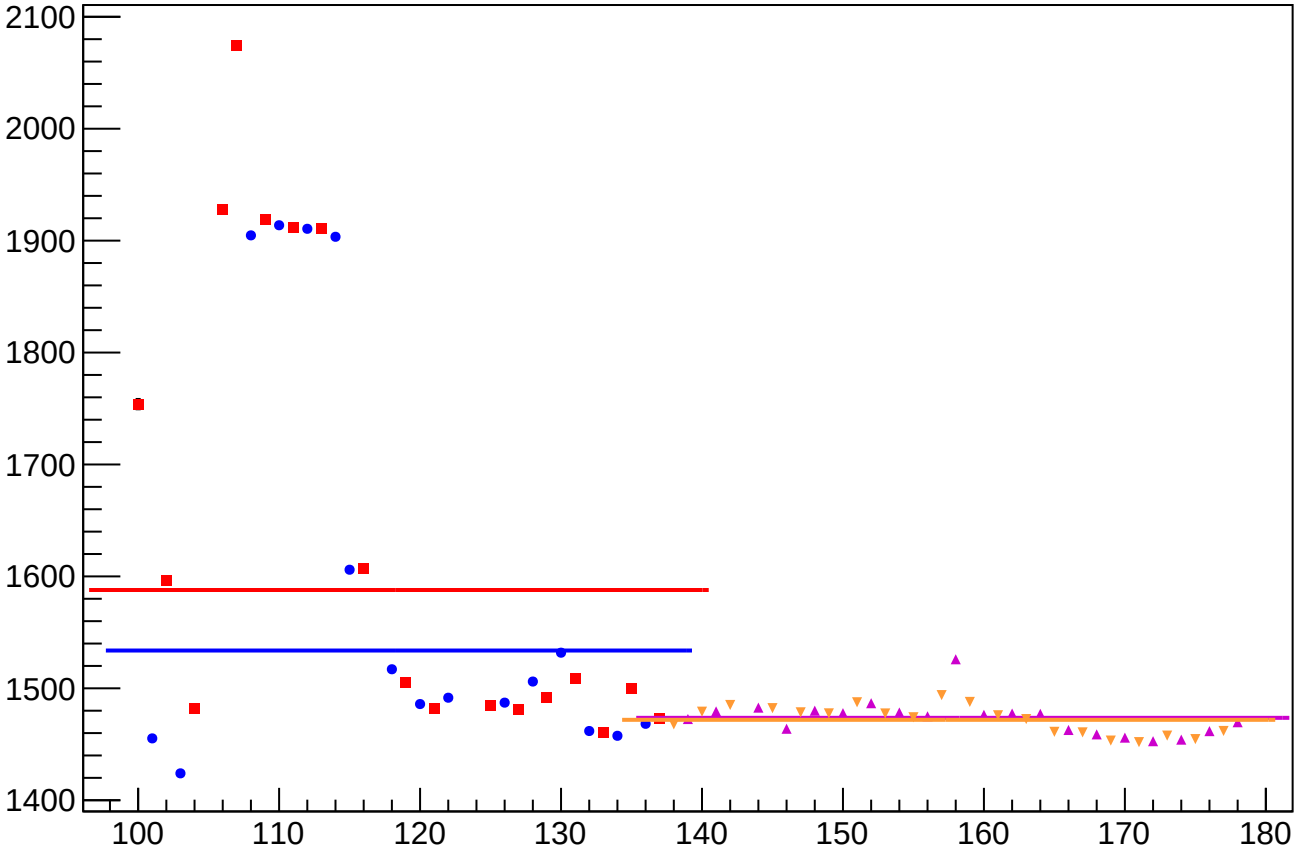
Left In: -1715.334+/-364.506 χ^2/NDF:23.8/19

+ sign 1576.410+/-310.426 χ^2/NDF: 29.6/35

All: -68.888+/-219.373 χ^2/NDF: 125.7/73

- sign -1710.262+/-310.055 χ^2/NDF: 40.0/37

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1471.845+/-0.261 χ^2/NDF:2242.4/19

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

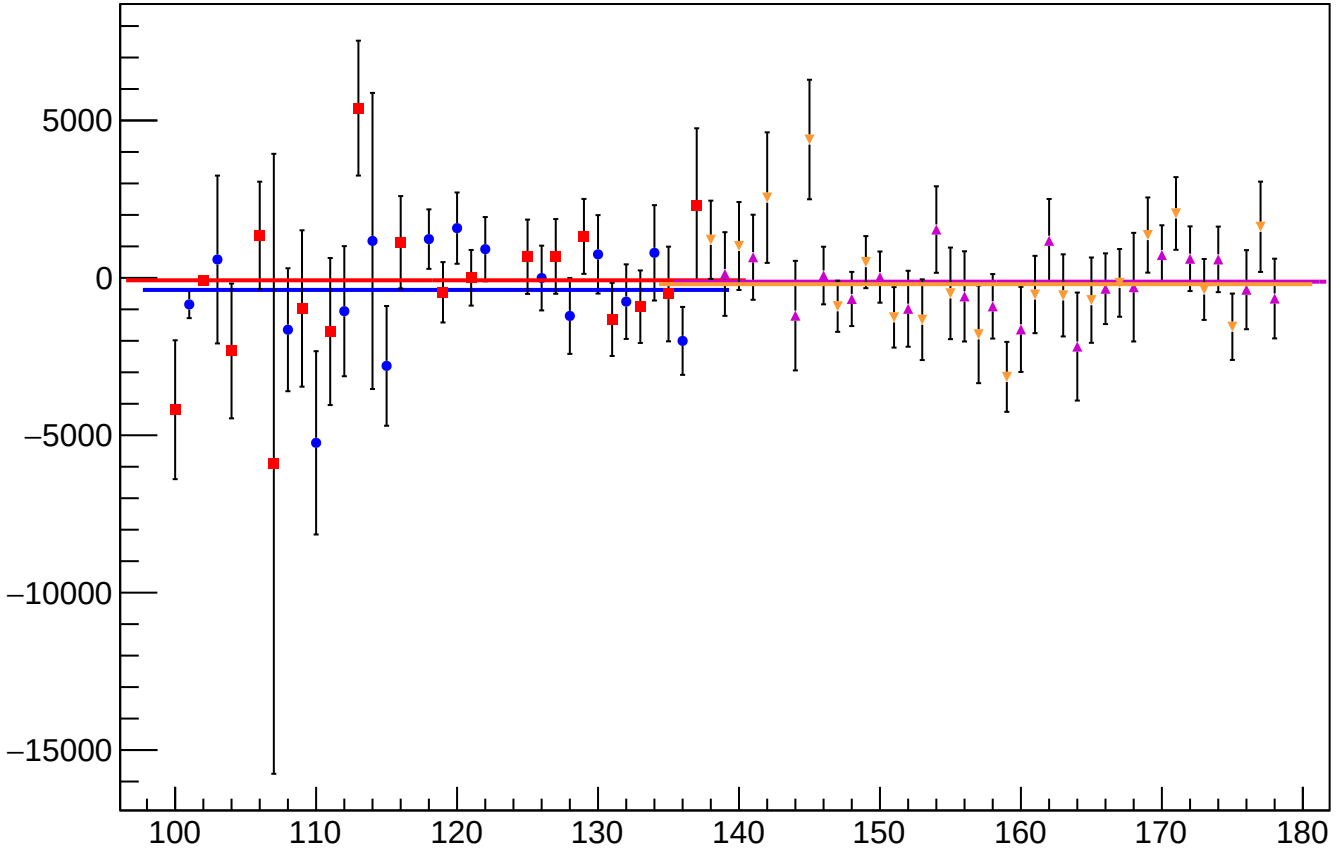
Left In: 1473.629+/-0.258 χ^2/NDF:3692.8/19

\+ sign 1490.068+/-0.220 χ^2/NDF: 148043.1/35

All: 1497.645+/-0.155 χ^2/NDF: 382171.0/73

\- sign 1505.204+/-0.219 χ^2/NDF: 231747.7/37

asym_usl_atl1_avg_cor_correction_mean vs Slug



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -200.363+/-261.683 χ^2/NDF:30.3/19

Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

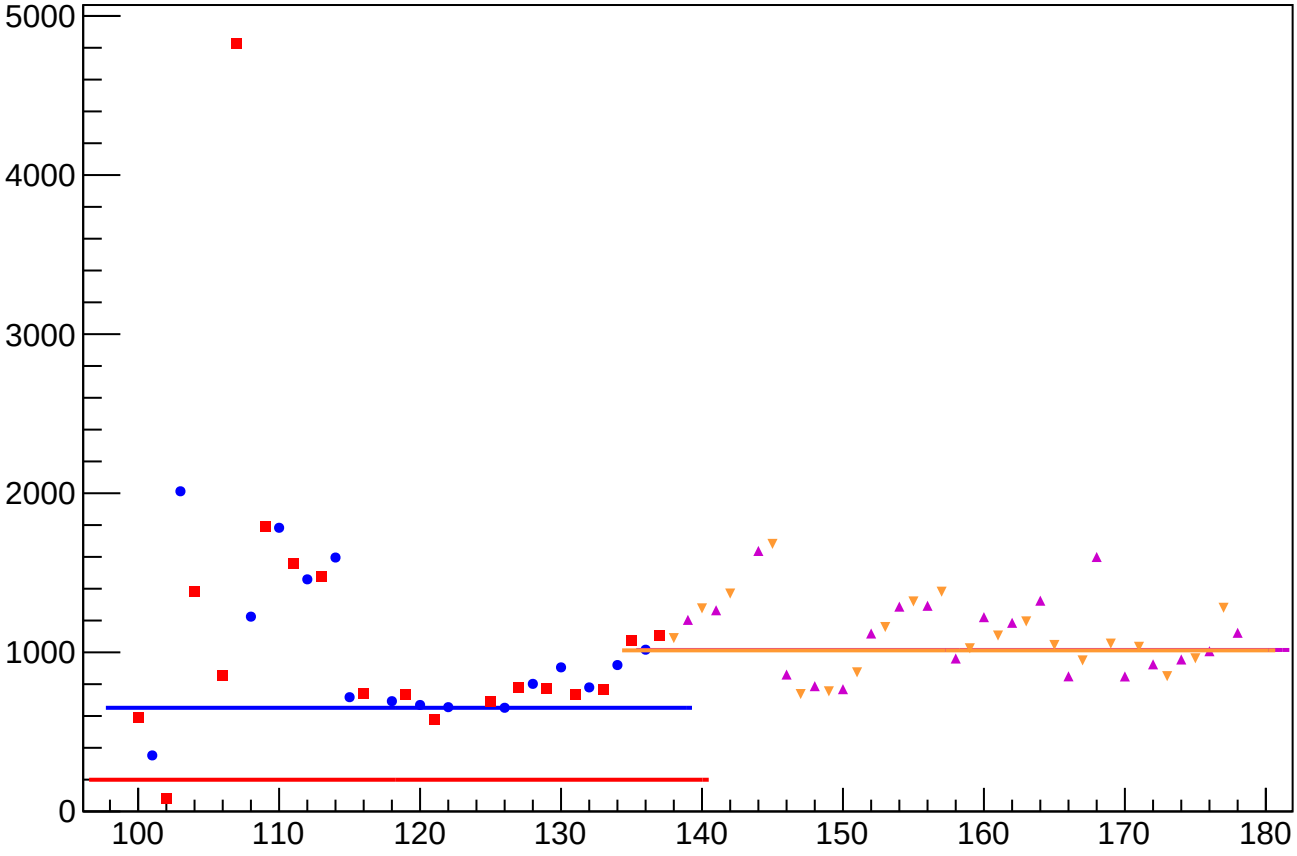
Left In: -120.914+/-258.319 χ^2/NDF:9.6/19

+ sign -287.968+/-188.649 χ^2/NDF: 48.7/35

All: -145.836+/-102.334 χ^2/NDF: 77.6/73

- sign -86.574+/-121.814 χ^2/NDF: 28.1/37

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1012.519+/-0.185 χ^2/NDF:1271946.3/19

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

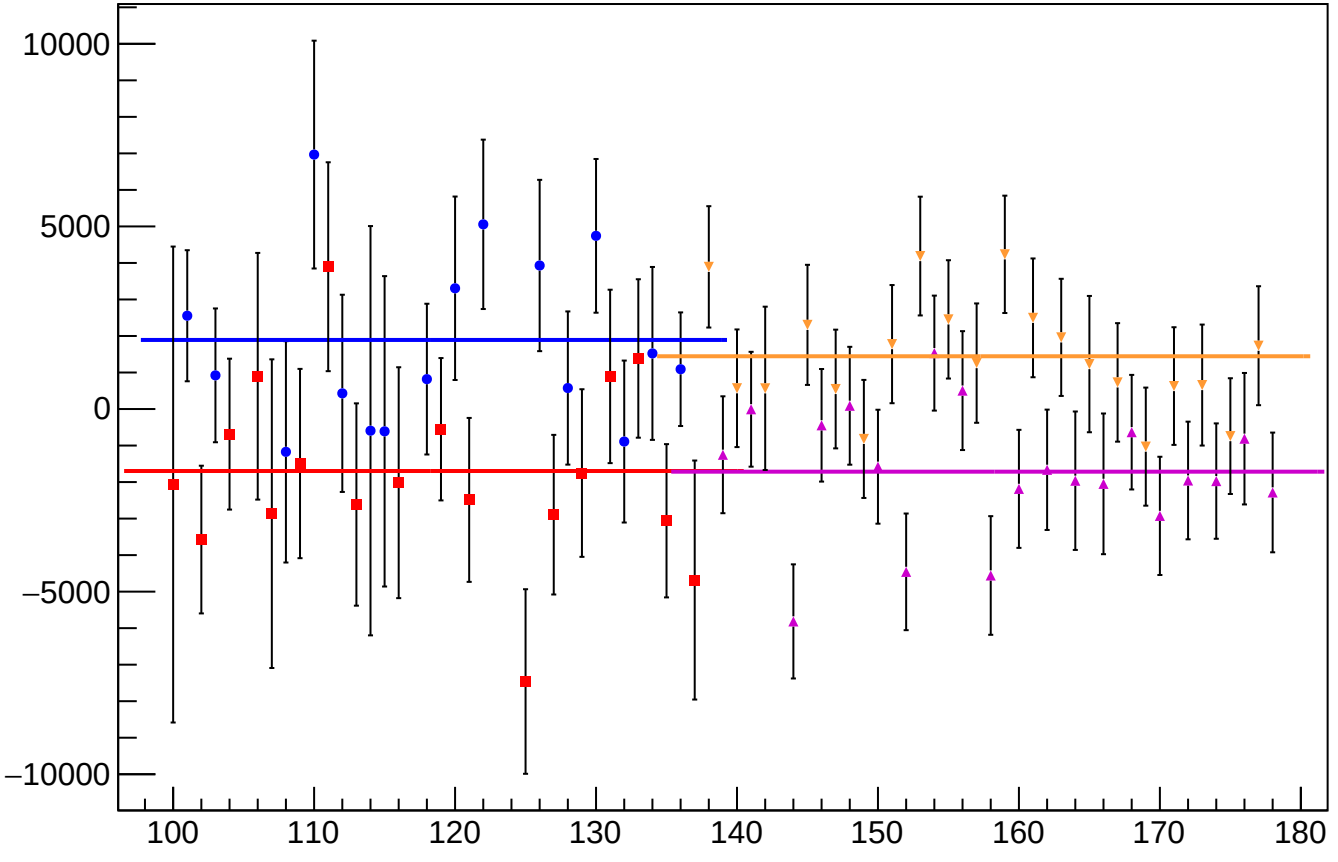
Left In: 1015.043+/-0.183 χ^2/NDF:1435475.1/19

\+ sign 839.134+/-0.133 χ^2/NDF: 5862699.8/35

All: 515.621+/-0.072 χ^2/NDF: 40424804.2/73

\- sign 380.732+/-0.086 χ^2/NDF: 26227998.4/37

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1444.998+/-369.522 χ^2/NDF:17.0/19

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

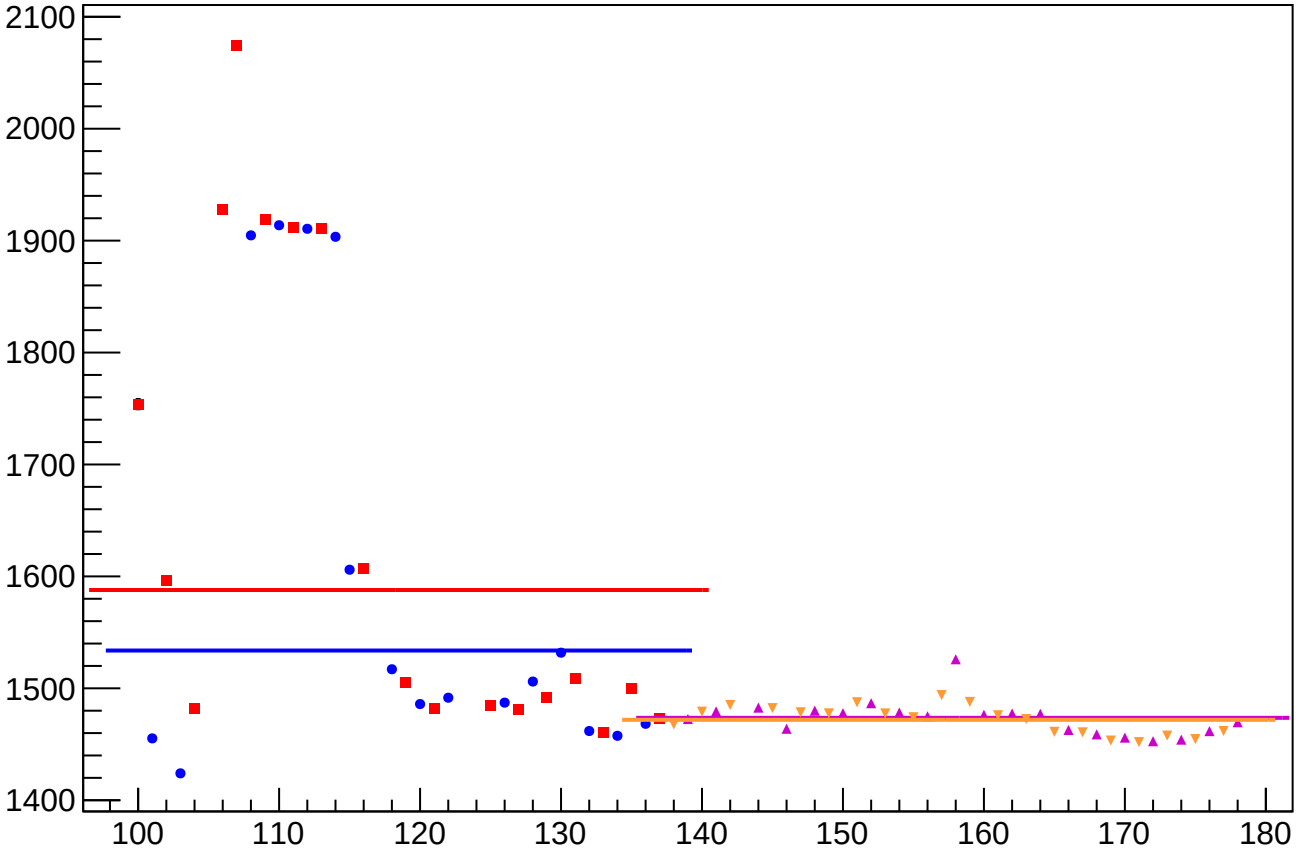
Left In: -1715.334+/-364.506 χ^2/NDF:23.8/19

+ sign 1576.410+/-310.426 χ^2/NDF: 29.6/35

All: -68.888+/-219.373 χ^2/NDF: 125.7/73

- sign -1710.262+/-310.055 χ^2/NDF: 40.0/37

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1471.845+/-0.261 χ^2/NDF:2242.4/19

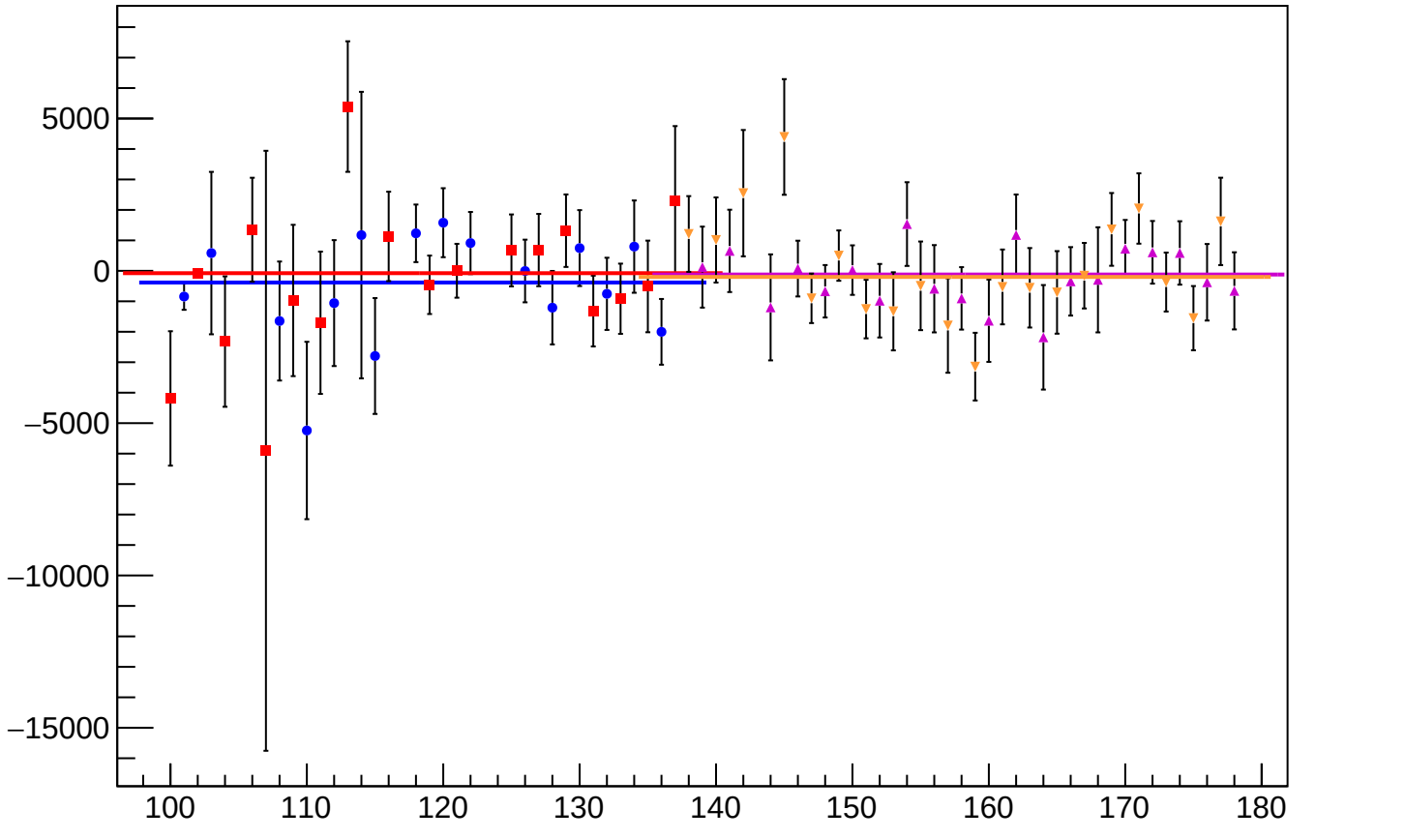
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1473.629+/-0.258 χ^2/NDF:3692.8/19

+ sign 1490.068+/-0.220 χ^2/NDF: 148043.1/35

All: 1497.645+/-0.155 χ^2/NDF: 382171.0/73

- sign 1505.204+/-0.219 χ^2/NDF: 231747.7/37



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -200.363+/-261.683 χ^2/NDF:30.3/19

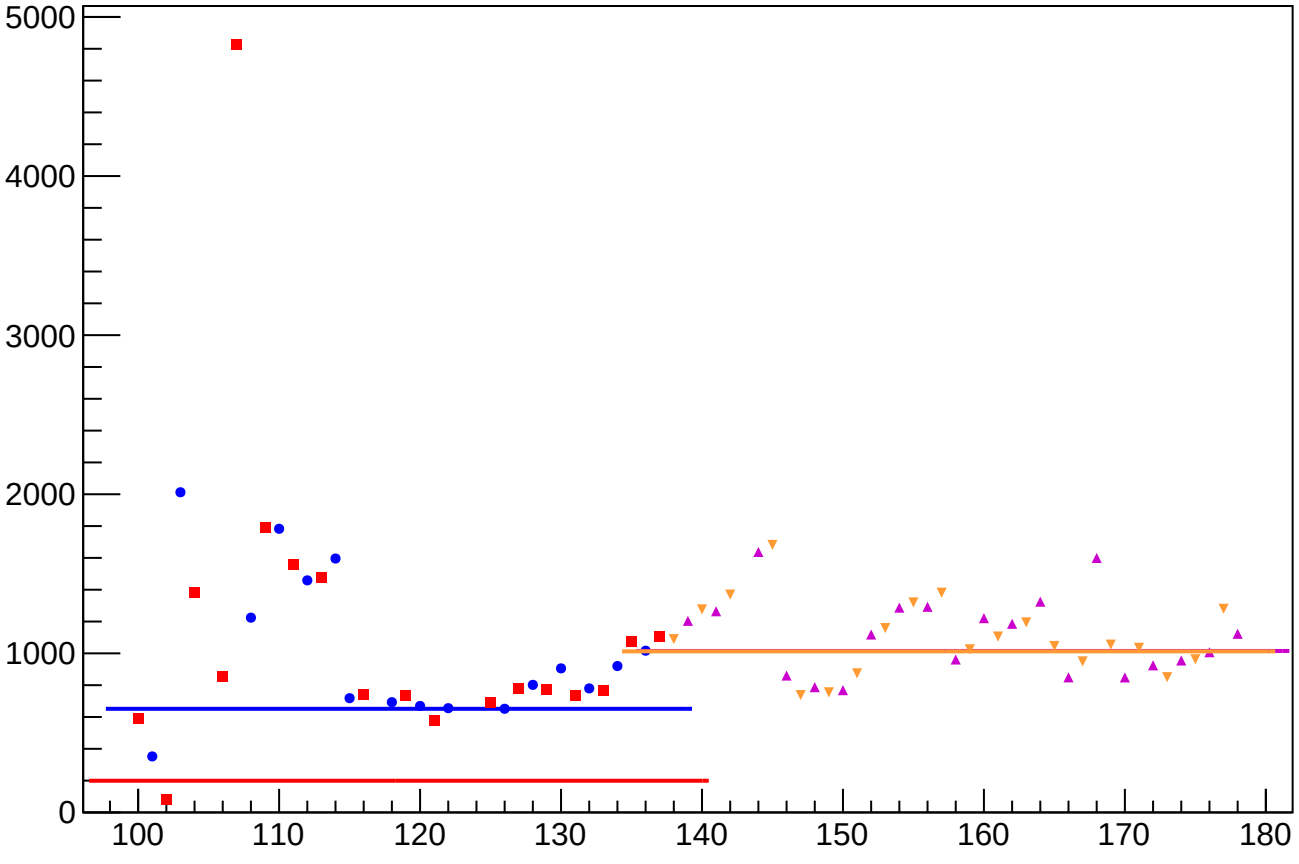
Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: -120.914+/-258.319 χ^2/NDF:9.6/19

\+ sign -287.968+/-188.649 χ^2/NDF: 48.7/35

All: -145.836+/-102.334 χ^2/NDF: 77.6/73

\- sign -86.574+/-121.814 χ^2/NDF: 28.1/37



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1012.519+/-0.185 χ^2/NDF:1271946.3/19

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

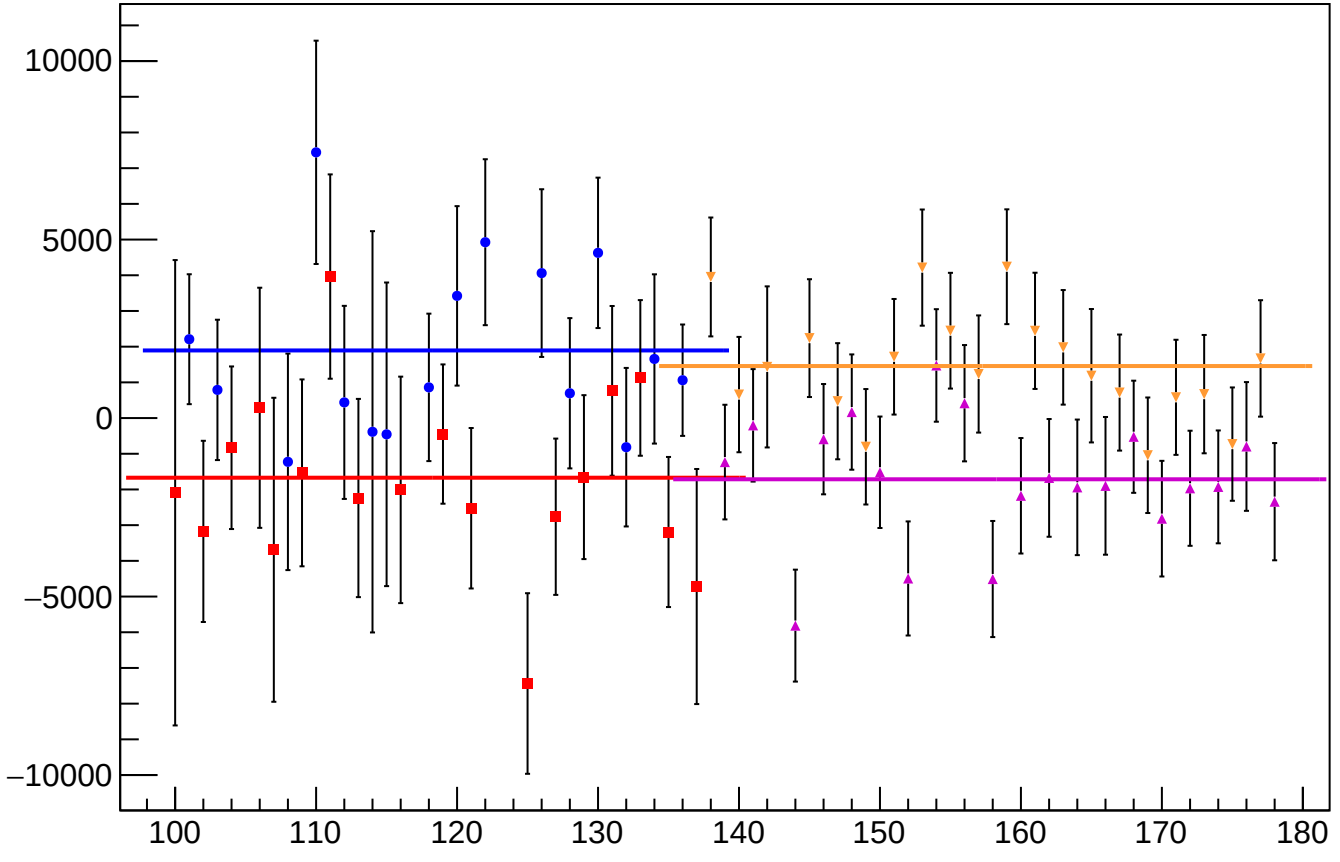
Left In: 1015.043+/-0.183 χ^2/NDF:1435475.1/19

+ sign 839.134+/-0.133 χ^2/NDF: 5862699.8/35

All: 515.621+/-0.072 χ^2/NDF: 40424804.2/73

- sign 380.732+/-0.086 χ^2/NDF: 26227998.4/37

dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 1457.301+/-370.132 χ^2/NDF:16.8/19

Right Out: -1670.933+/-604.838 χ^2/NDF: 15.0/17

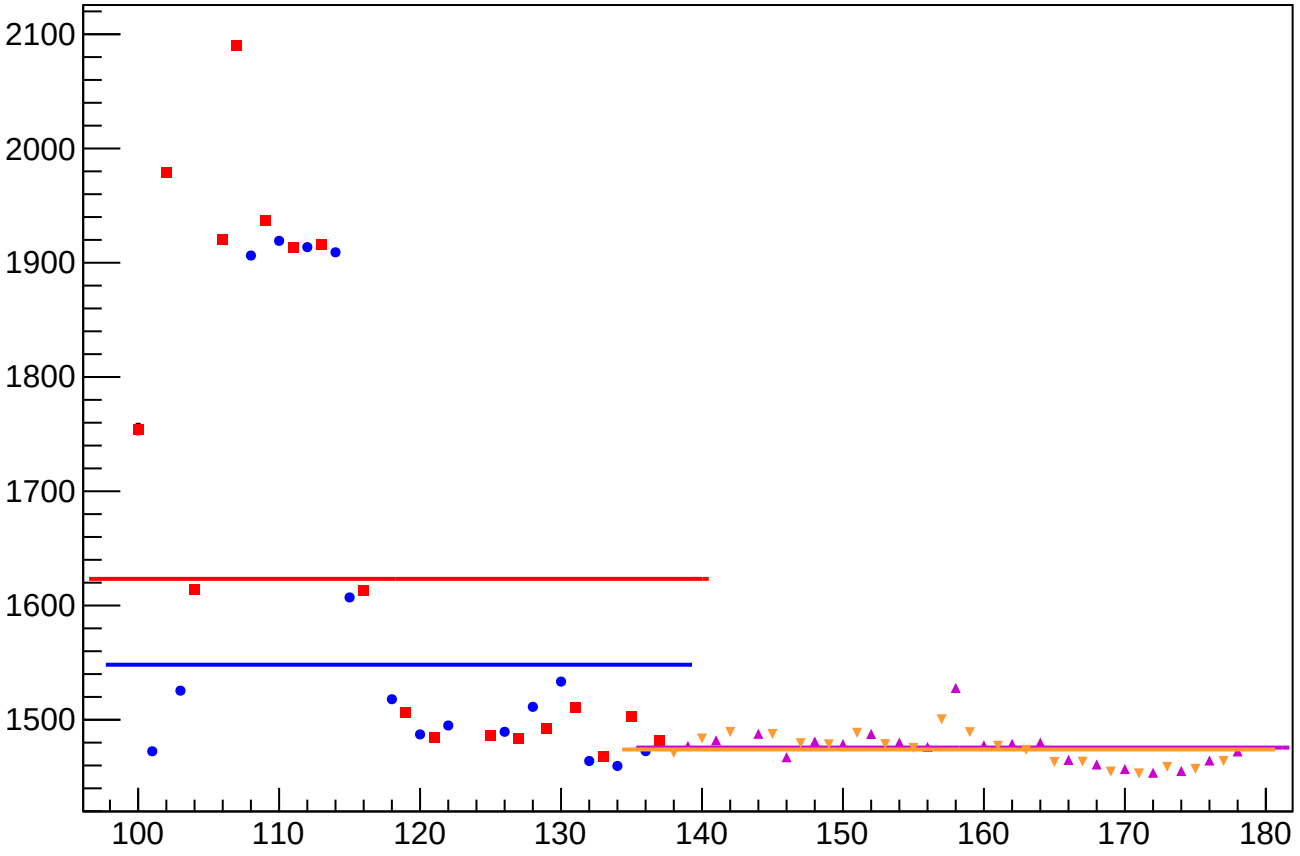
Left In: -1714.911+/-365.015 χ^2/NDF:23.1/19

+ sign 1584.465+/-311.641 χ^2/NDF: 29.5/35

All: -54.750+/-220.672 χ^2/NDF: 123.2/73

- sign -1703.171+/-312.515 χ^2/NDF: 38.2/37

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1474.004+/-0.262 χ^2/NDF:2481.6/19

Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

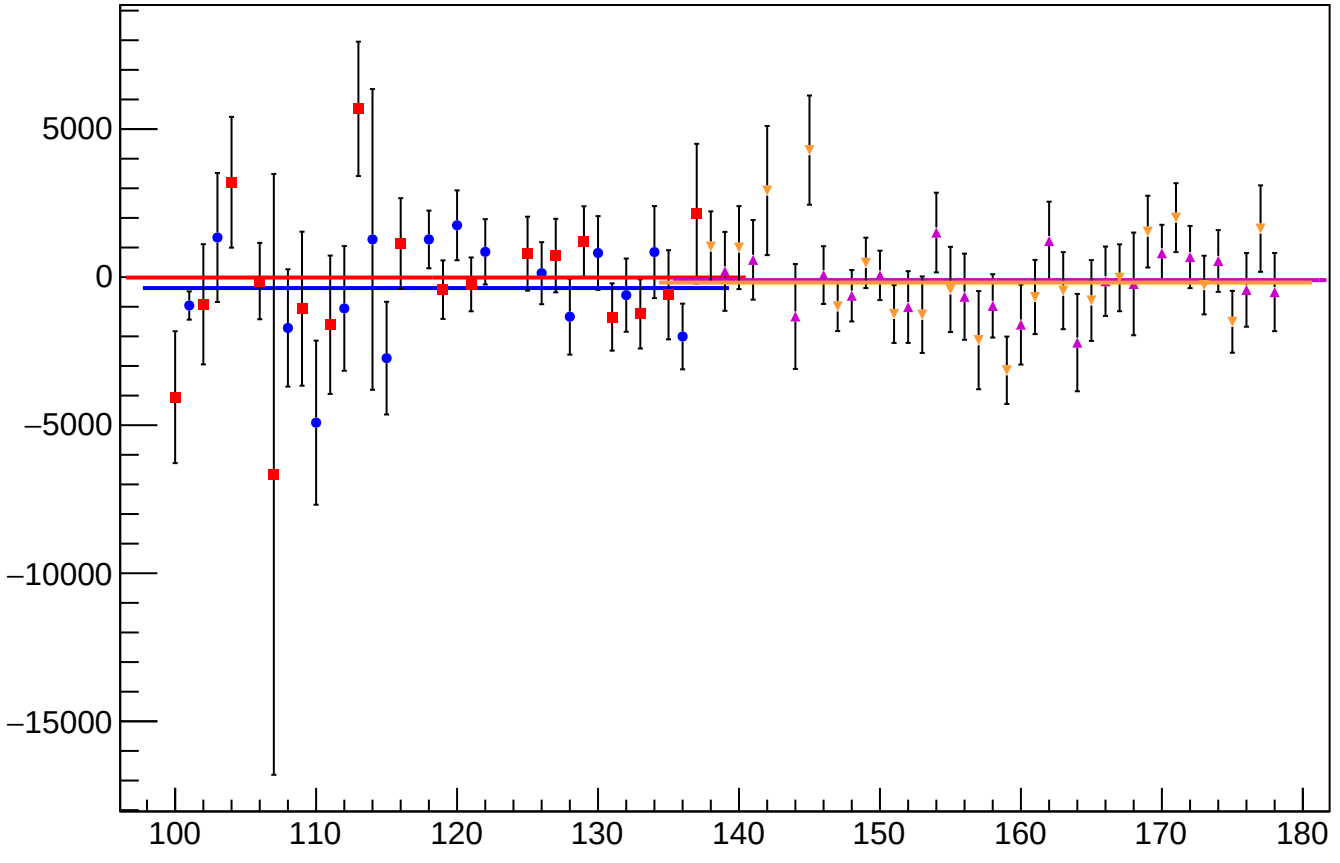
Left In: 1475.667+/-0.258 χ^2/NDF:3753.5/19

+ sign 1495.593+/-0.220 χ^2/NDF: 145763.8/35

All: 1505.314+/-0.156 χ^2/NDF: 452335.3/73

- sign 1515.089+/-0.221 χ^2/NDF: 302668.8/37

asym_usl_atl1_avg_dit_correction_mean vs Slug



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: -183.351+/-265.556 χ^2/NDF:30.4/19

Right Out: -13.729+/-341.569 χ^2/NDF: 19.1/17

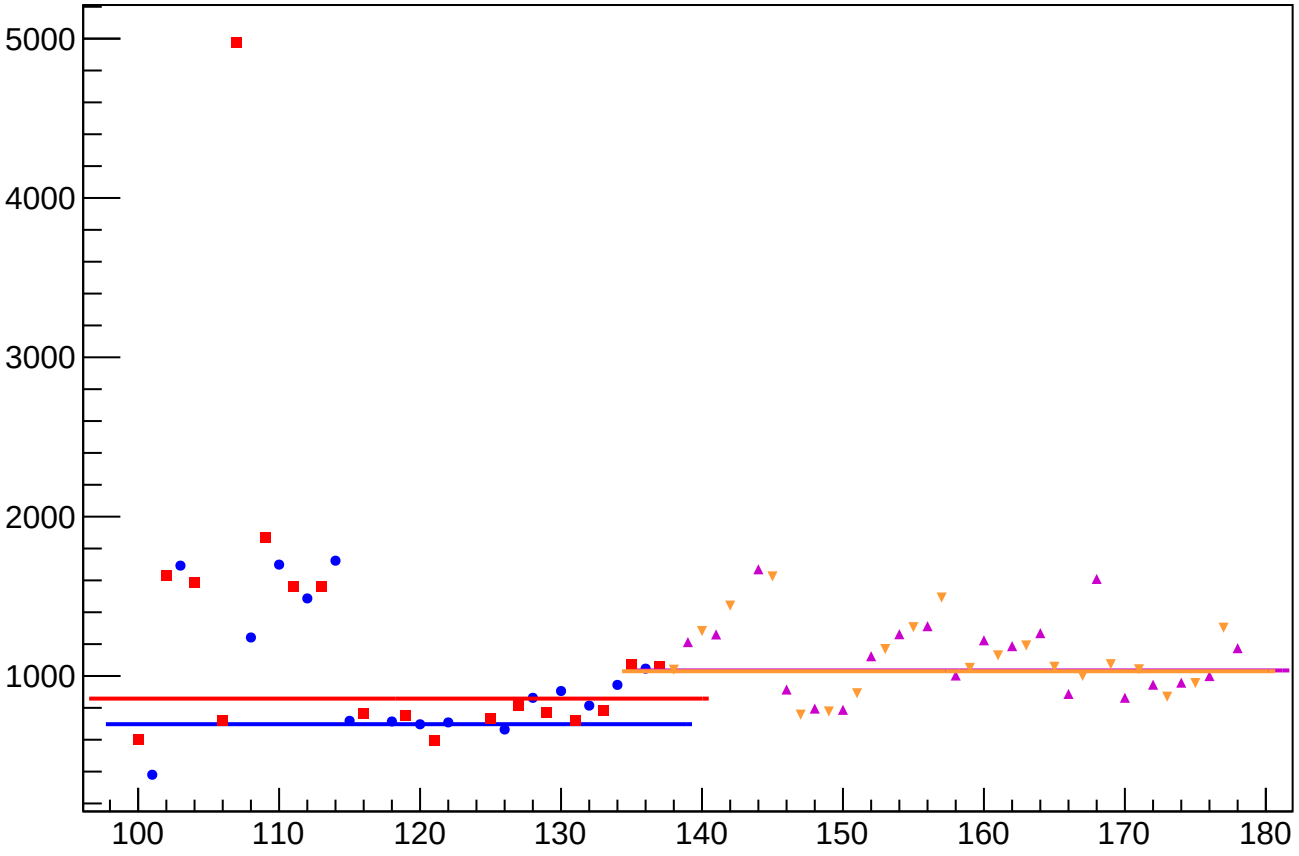
Left In: -99.730+/-262.548 χ^2/NDF:9.9/19

\+ sign -268.983+/-194.784 χ^2/NDF: 49.5/35

All: -175.058+/-142.227 χ^2/NDF: 79.0/73

\- sign -67.790+/-208.160 χ^2/NDF: 29.0/37

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 1029.755+/-0.188 χ^2/NDF:1208748.4/19

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

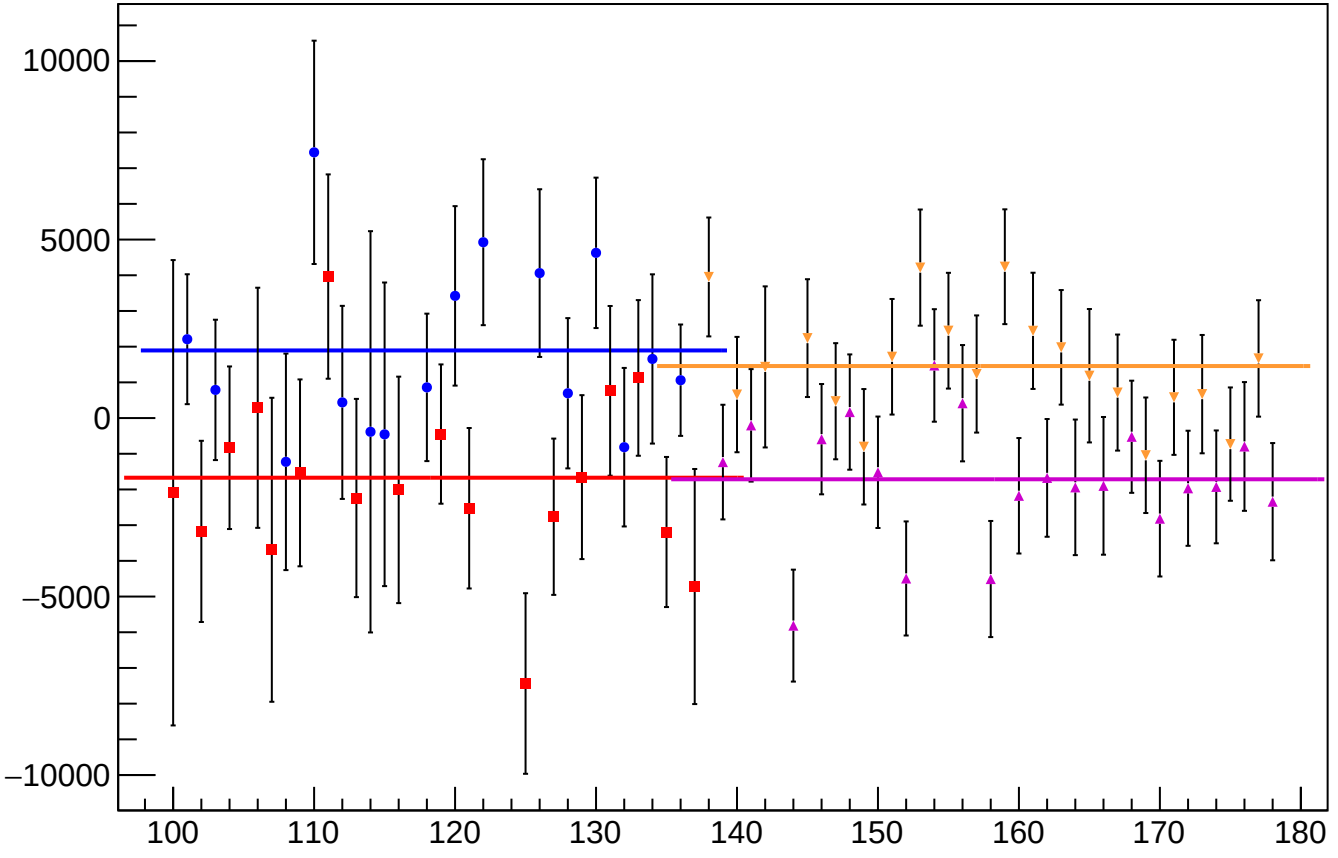
Left In: 1034.792+/-0.186 χ^2/NDF:1319618.2/19

+ sign 876.266+/-0.138 χ^2/NDF: 5090603.2/35

All: 919.637+/-0.101 χ^2/NDF: 8841215.8/73

- sign 969.168+/-0.147 χ^2/NDF: 3538222.5/37

eigen_dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 1457.300+/-370.132 χ^2/NDF:16.8/19

Right Out: -1670.931+/-604.838 χ^2/NDF: 15.0/17

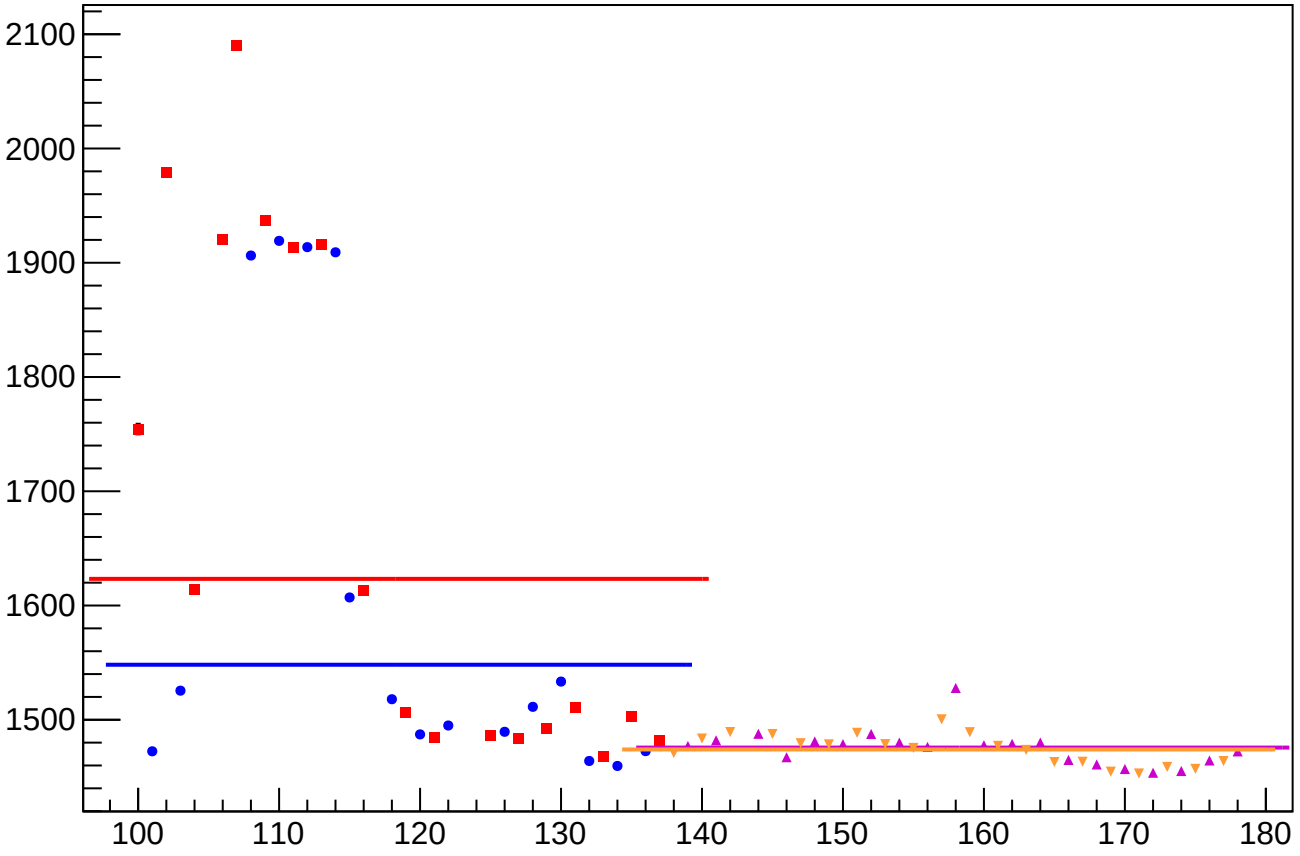
Left In: -1714.913+/-365.015 χ^2/NDF:23.1/19

+ sign 1584.463+/-311.641 χ^2/NDF: 29.5/35

All: -54.751+/-220.672 χ^2/NDF: 123.2/73

- sign -1703.171+/-312.515 χ^2/NDF: 38.2/37

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1474.004+/-0.262 χ^2/NDF:2481.6/19

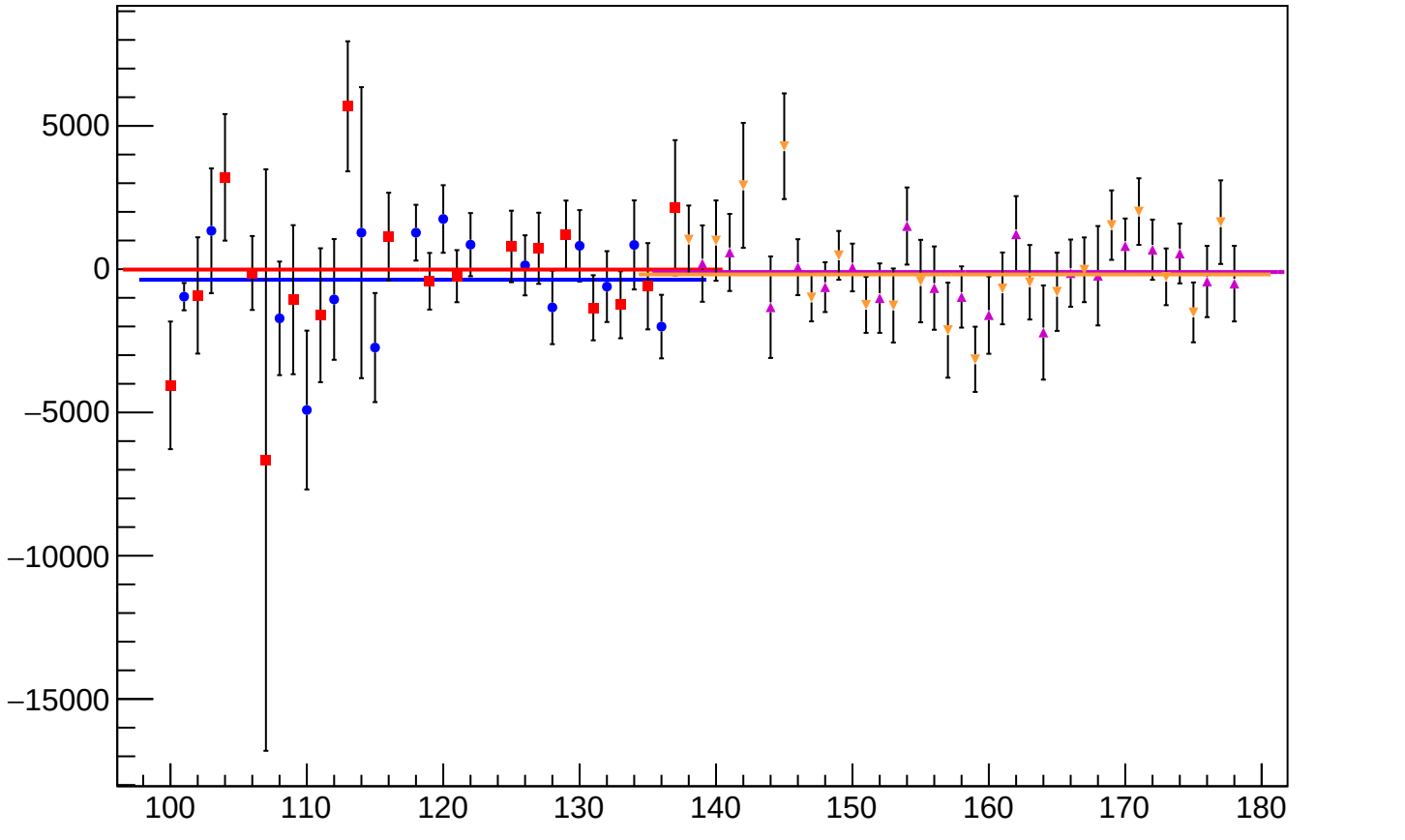
Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1475.667+/-0.258 χ^2/NDF:3753.5/19

+ sign 1495.593+/-0.220 χ^2/NDF: 145763.7/35

All: 1505.314+/-0.156 χ^2/NDF: 452334.7/73

- sign 1515.089+/-0.221 χ^2/NDF: 302668.3/37



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

Left Out: -183.353+/-265.556 χ^2/NDF:30.4/19

Right Out: -13.730+/-341.568 χ^2/NDF: 19.1/17

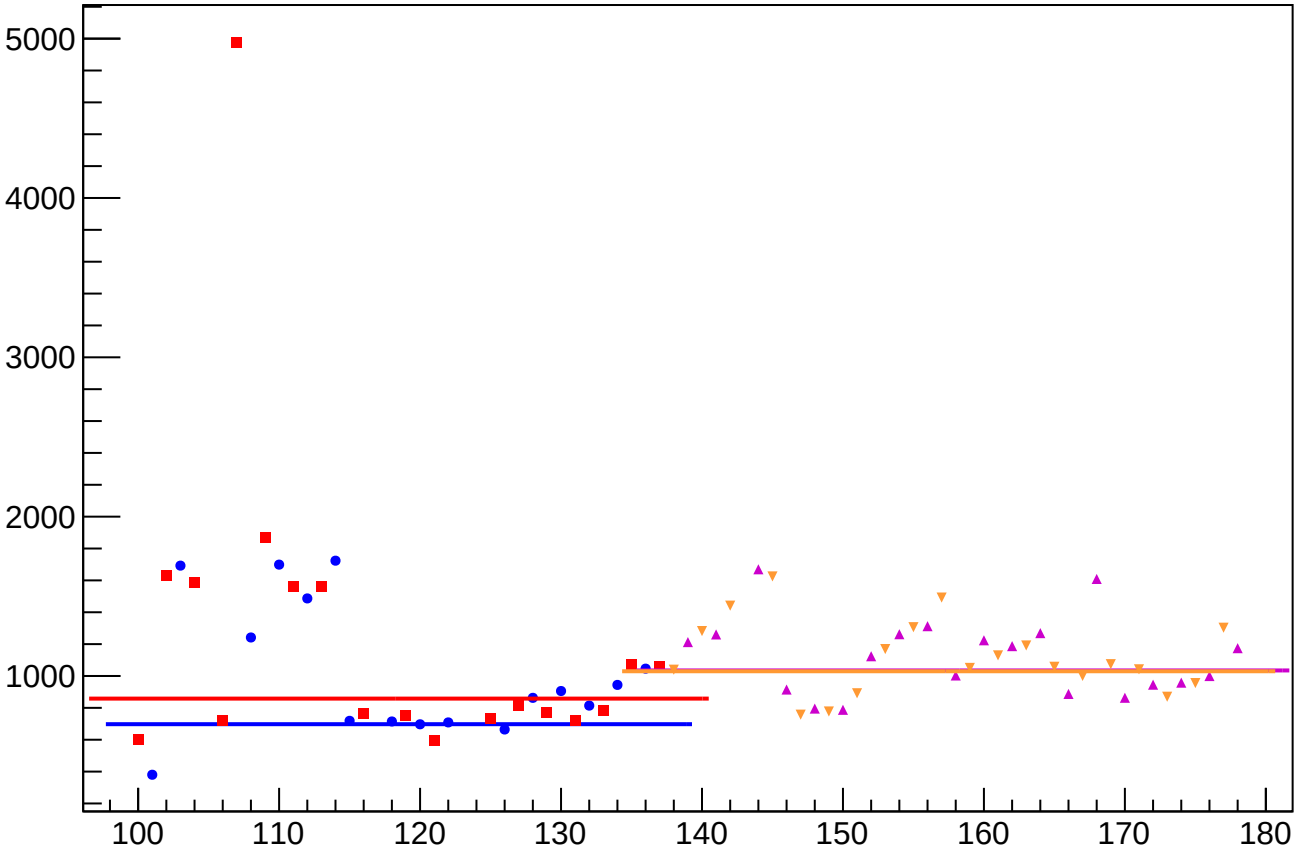
Left In: -99.731+/-262.548 χ^2/NDF:9.9/19

+ sign -268.984+/-194.784 χ^2/NDF: 49.5/35

All: -175.058+/-142.227 χ^2/NDF: 79.0/73

- sign -67.790+/-208.160 χ^2/NDF: 29.0/37

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug



Right In: 697.517+/-0.203 χ^2/NDF: 2435593.9/15

Left Out: 1029.757+/-0.188 χ^2/NDF:1208746.6/19

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

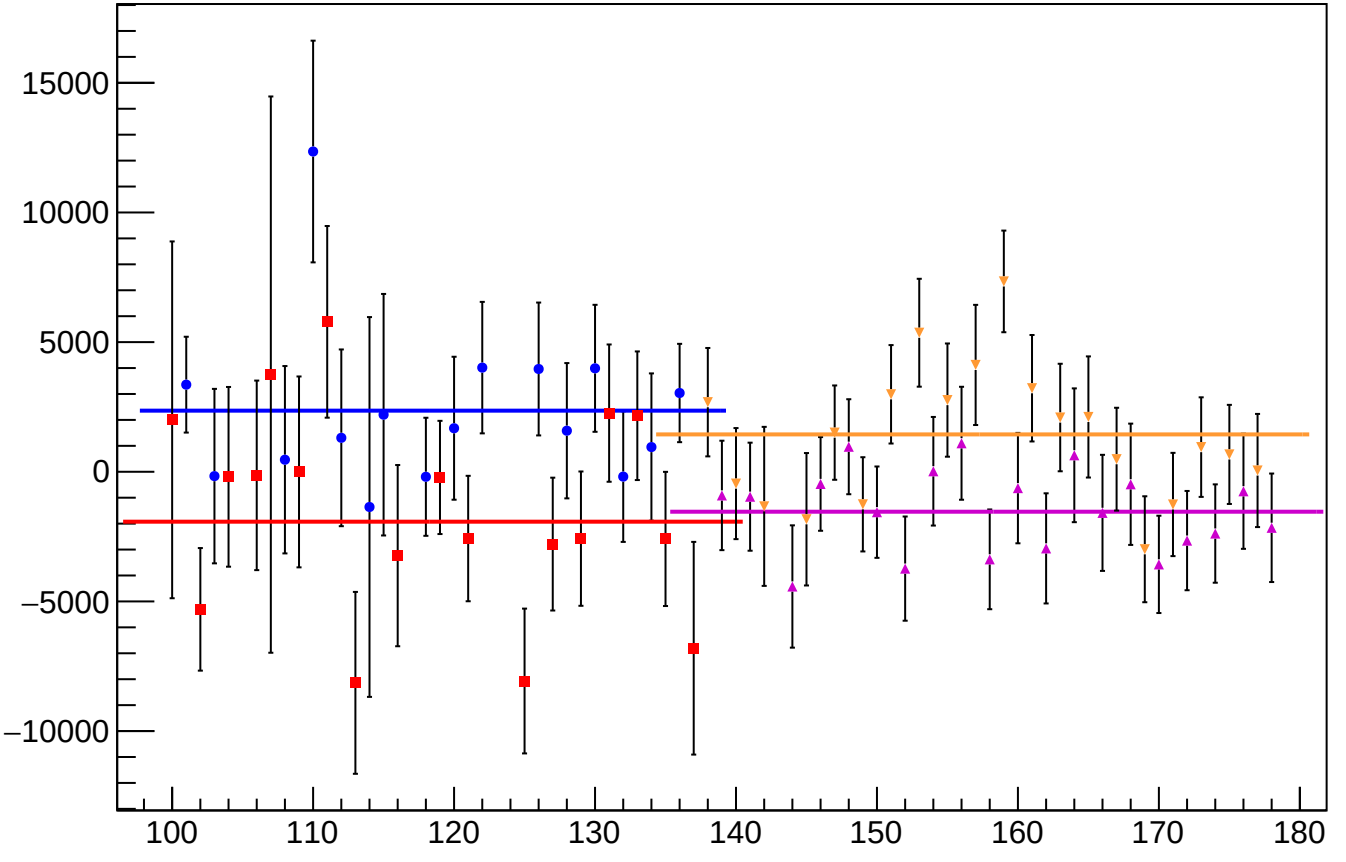
Left In: 1034.794+/-0.186 χ^2/NDF:1319614.6/19

+ sign 876.267+/-0.138 χ^2/NDF: 5090605.8/35

All: 919.637+/-0.101 χ^2/NDF: 8841234.7/73

- sign 969.168+/-0.147 χ^2/NDF: 3538241.0/37

asym_usl_atl1_avg_mean vs Slug



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 1441.171+/-464.679 χ^2/NDF:29.1/19

Right Out: -1924.824+/-706.809 χ^2/NDF: 23.4/17

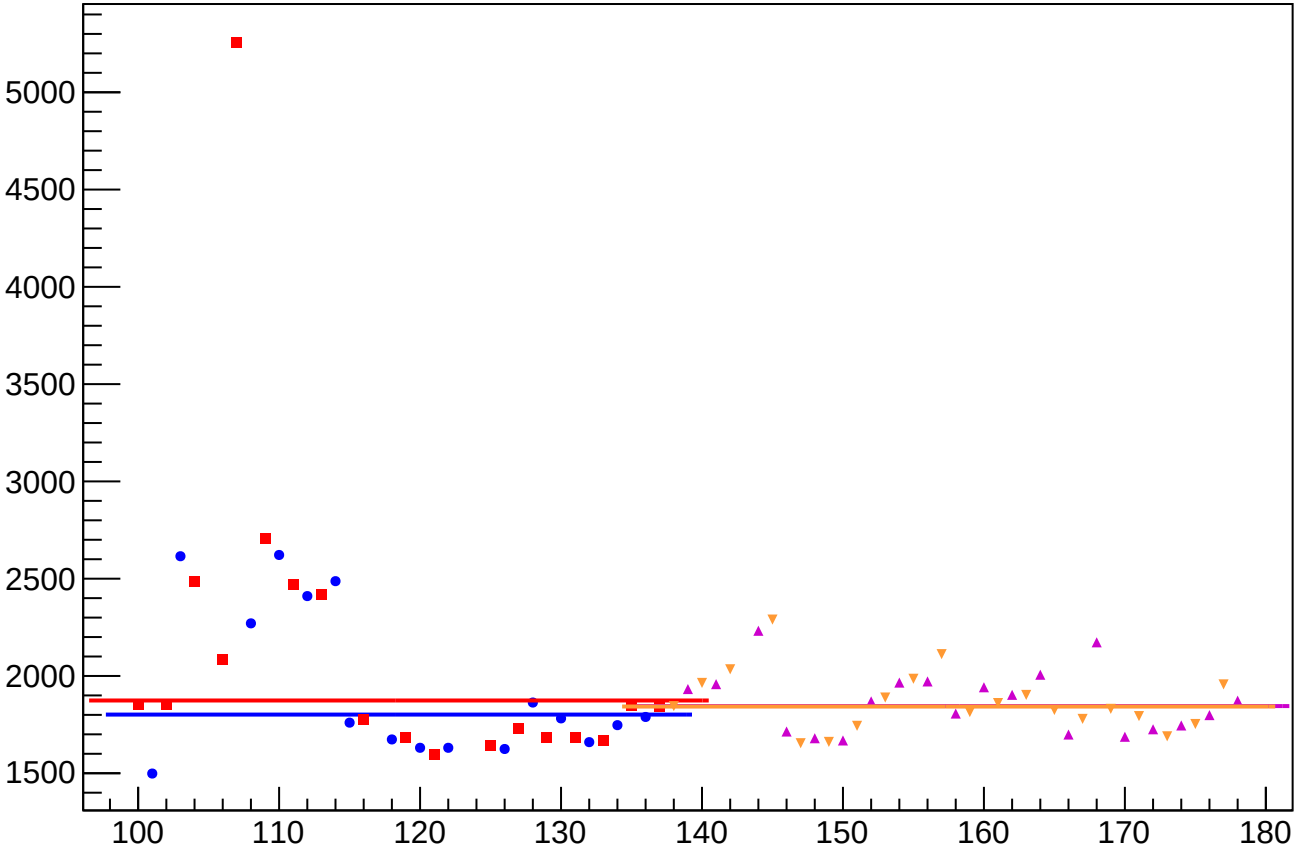
Left In: -1540.395+/-458.380 χ^2/NDF:11.5/19

+ sign 1733.318+/-383.467 χ^2/NDF: 41.4/35

All: 44.490+/-271.547 χ^2/NDF: 115.4/73

- sign -1654.210+/-384.586 χ^2/NDF: 35.1/37

asym_usl_atl1_avg_rms vs Slug



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1843.024+/-0.329 χ^2/NDF:187266.9/19

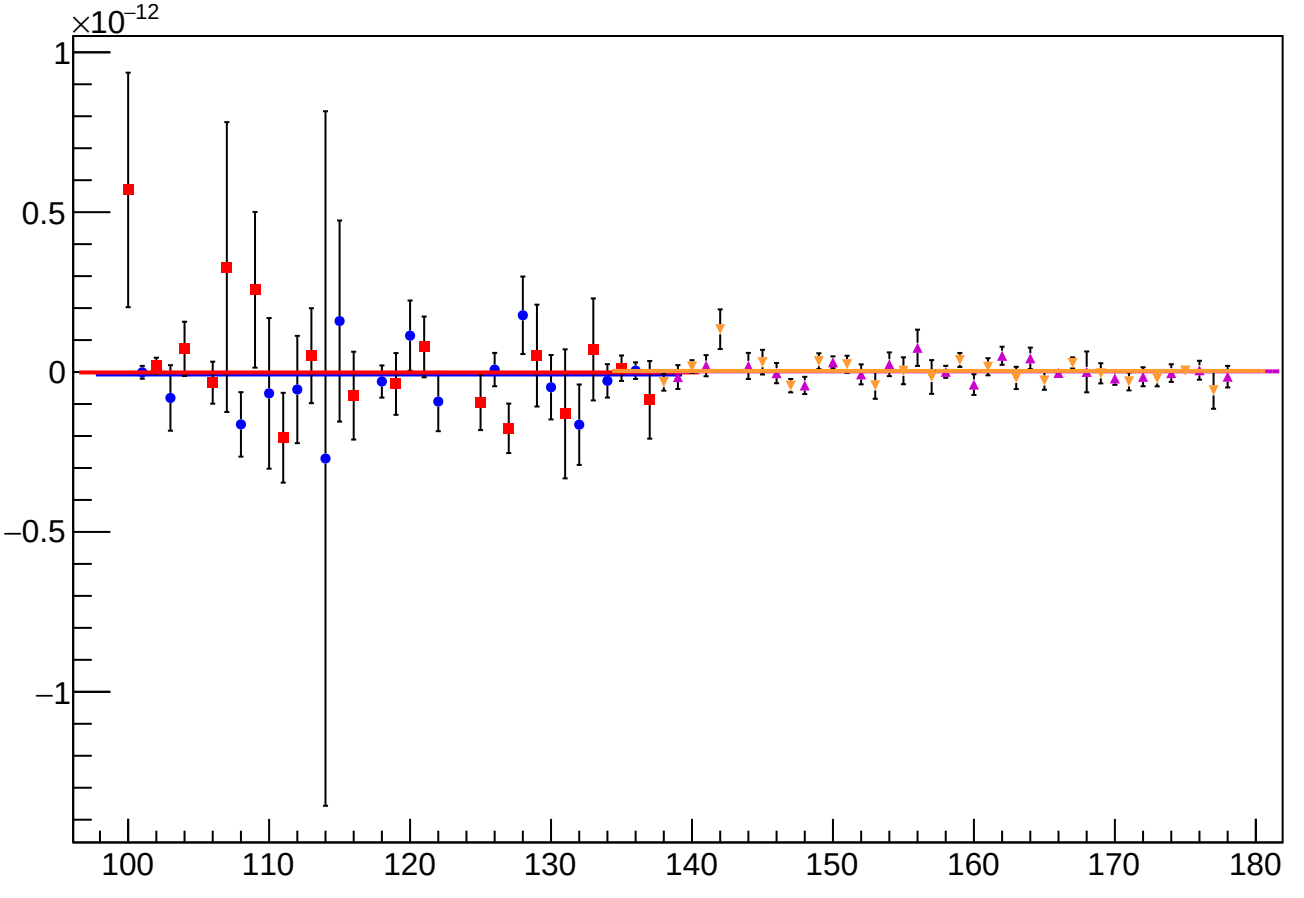
Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1845.230+/-0.324 χ^2/NDF:214419.3/19

+ sign 1829.787+/-0.271 χ^2/NDF: 593057.0/35

All: 1841.729+/-0.192 χ^2/NDF: 1383604.6/73

- sign 1853.740+/-0.272 χ^2/NDF: 786657.1/37



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/19

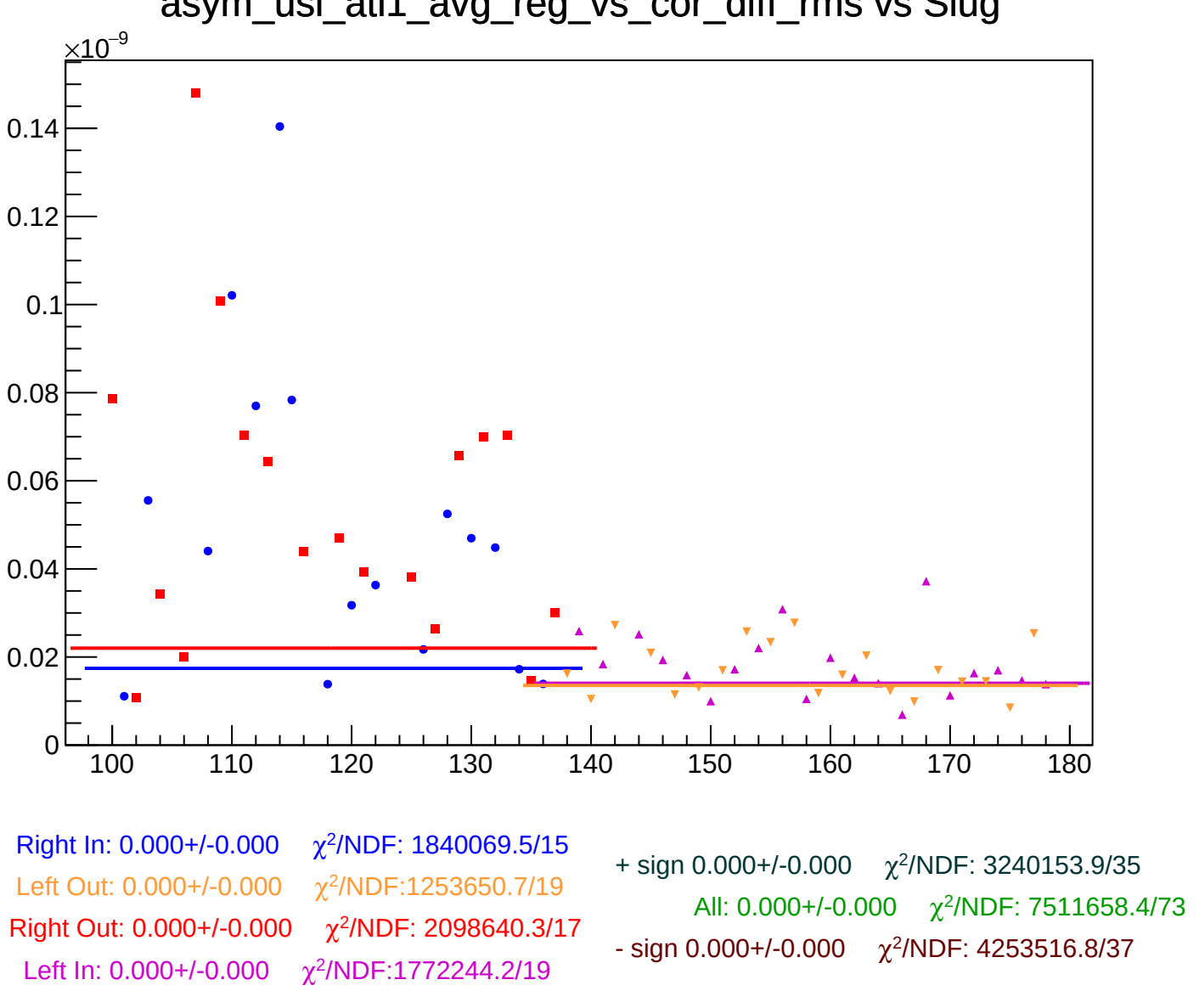
Right Out: -0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: 0.000+/-0.000 χ^2/NDF:15.9/19

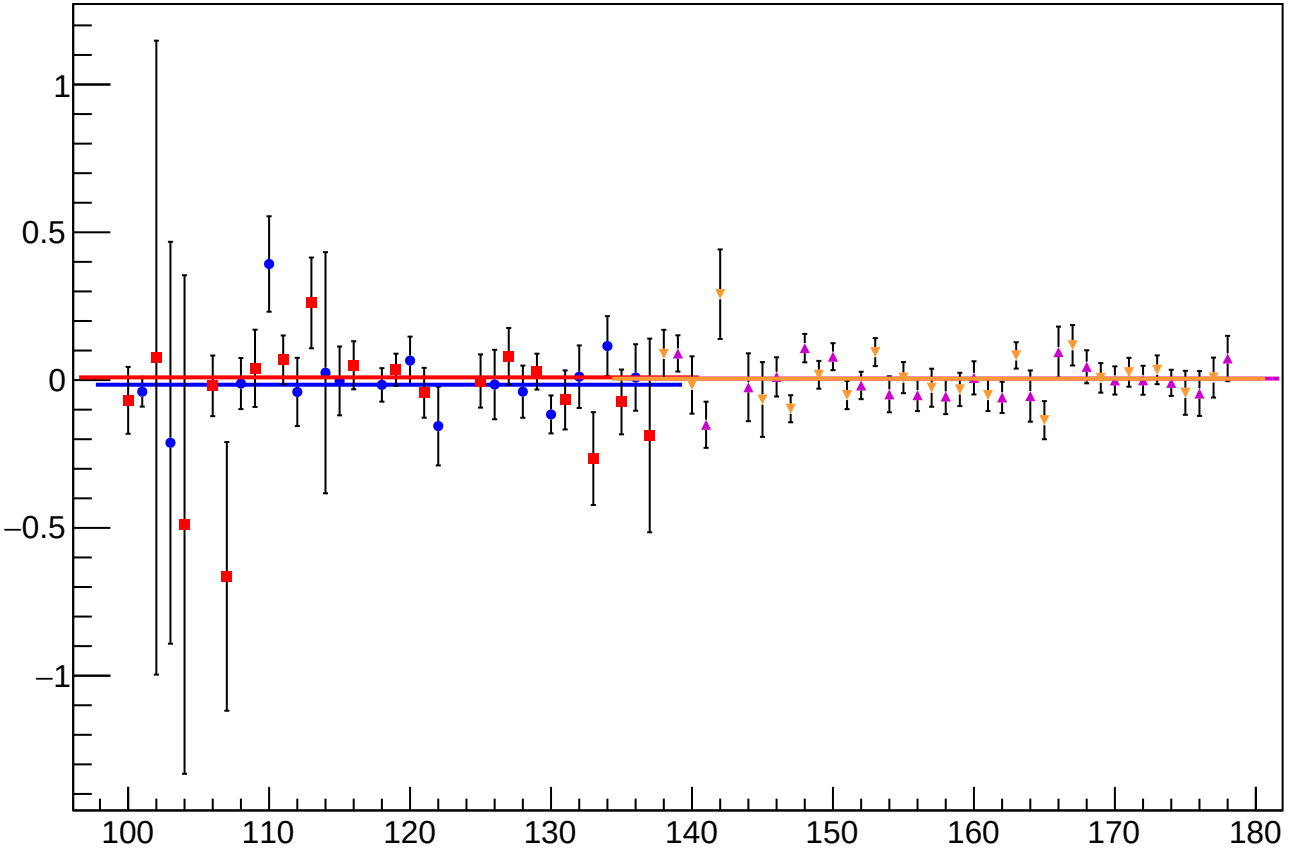
+ sign 0.000+/-0.000 χ^2/NDF: 35.8/35

All: 0.000+/-0.000 χ^2/NDF: 68.5/73

- sign 0.000+/-0.000 χ^2/NDF: 32.6/37


asym_usl_atl1_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1840069.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1253650.7/19
Right Out: 0.000+/-0.000 χ²/NDF: 2098640.3/17
Left In: 0.000+/-0.000 χ²/NDF:1772244.2/19
+ sign 0.000+/-0.000 χ²/NDF: 3240153.9/35
All: 0.000+/-0.000 χ²/NDF: 7511658.4/73
- sign 0.000+/-0.000 χ²/NDF: 4253516.8/37

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: 0.005+/-0.013 χ^2/NDF:28.2/19

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

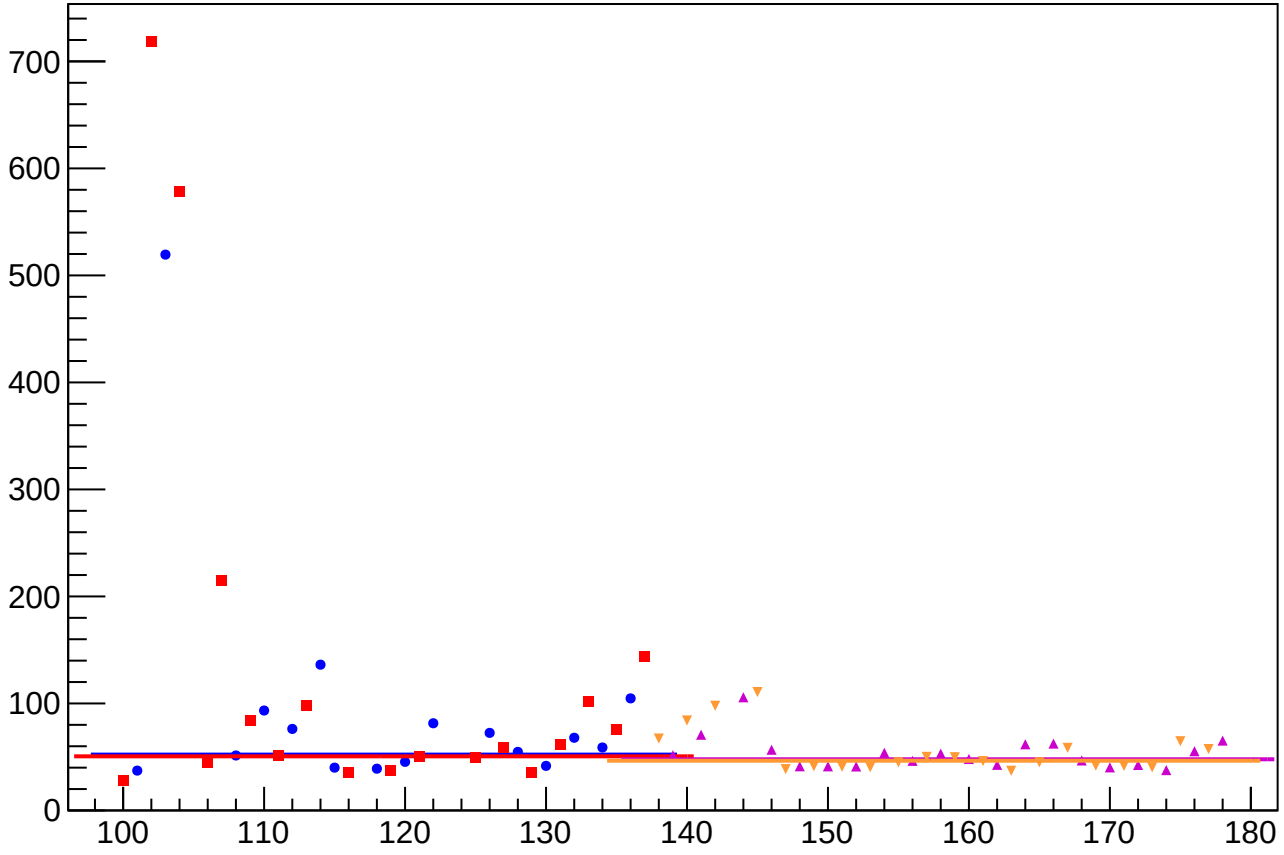
Left In: 0.005+/-0.013 χ^2/NDF:21.2/19

+ sign -0.000+/-0.011 χ^2/NDF: 42.0/35

All: 0.003+/-0.008 χ^2/NDF: 75.9/73

- sign 0.006+/-0.011 χ^2/NDF: 33.7/37

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: 46.481+/-0.009 χ^2/NDF:1726239.9/19

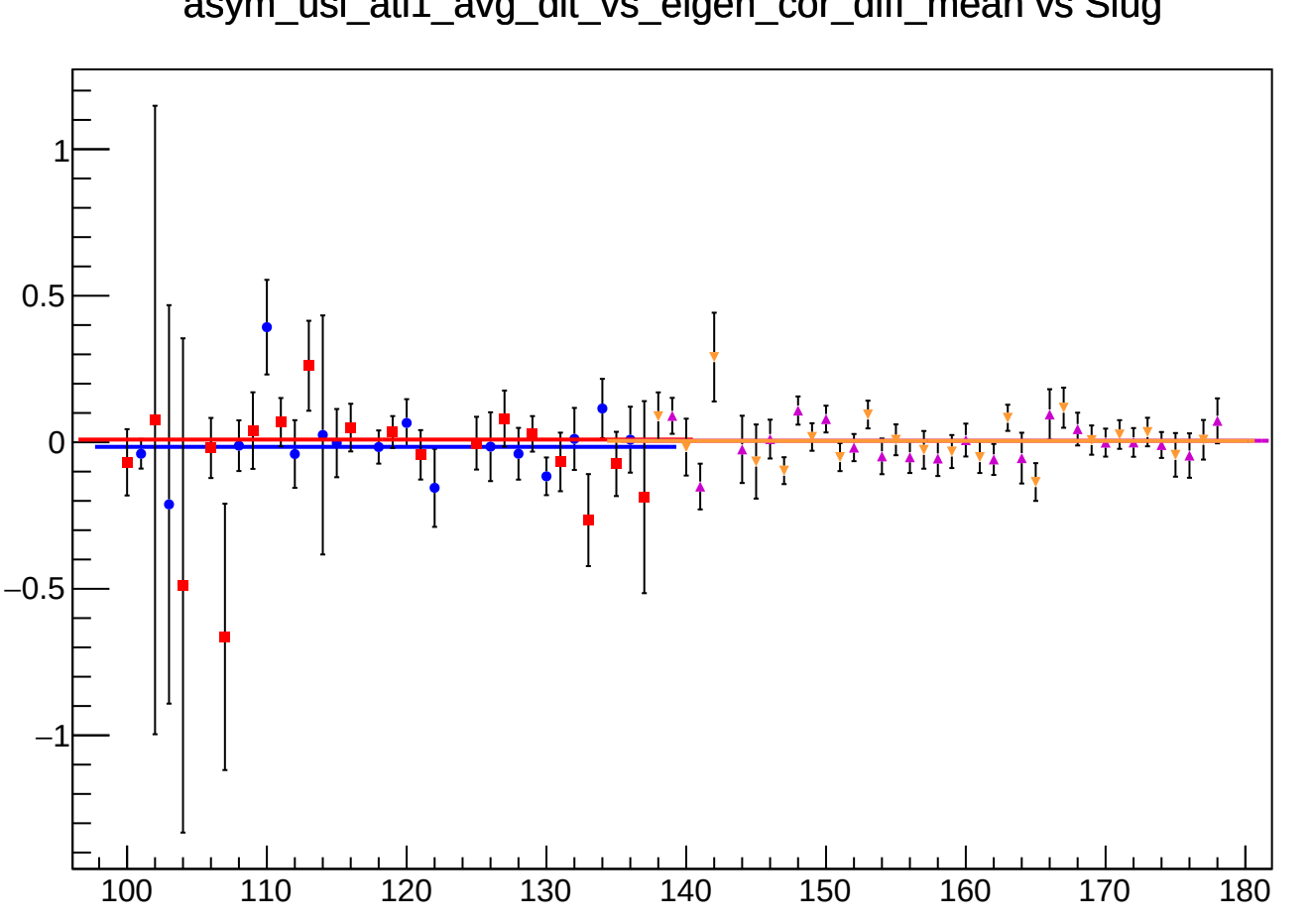
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 47.830+/-0.009 χ^2/NDF:1316037.2/19

+ sign 47.876+/-0.008 χ^2/NDF: 4089276.2/35

All: 48.167+/-0.006 χ^2/NDF: 8480357.9/73

- sign 48.465+/-0.008 χ^2/NDF: 4388342.2/37



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.005+/-0.013 χ^2/NDF:28.2/19

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

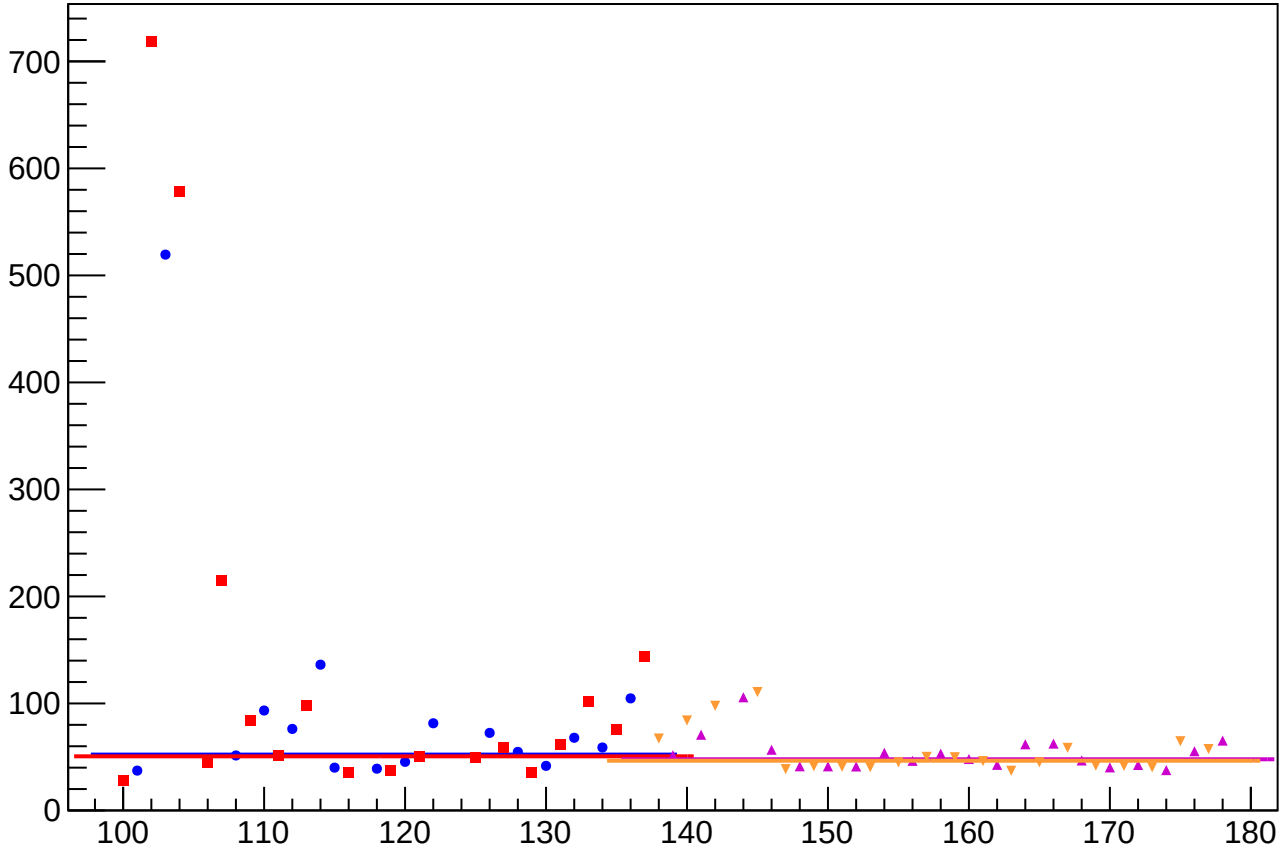
Left In: 0.005+/-0.013 χ^2/NDF:21.2/19

+ sign -0.000+/-0.011 χ^2/NDF: 42.0/35

All: 0.003+/-0.008 χ^2/NDF: 75.9/73

- sign 0.006+/-0.011 χ^2/NDF: 33.7/37

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: 46.481+/-0.009 χ^2/NDF:1726239.9/19

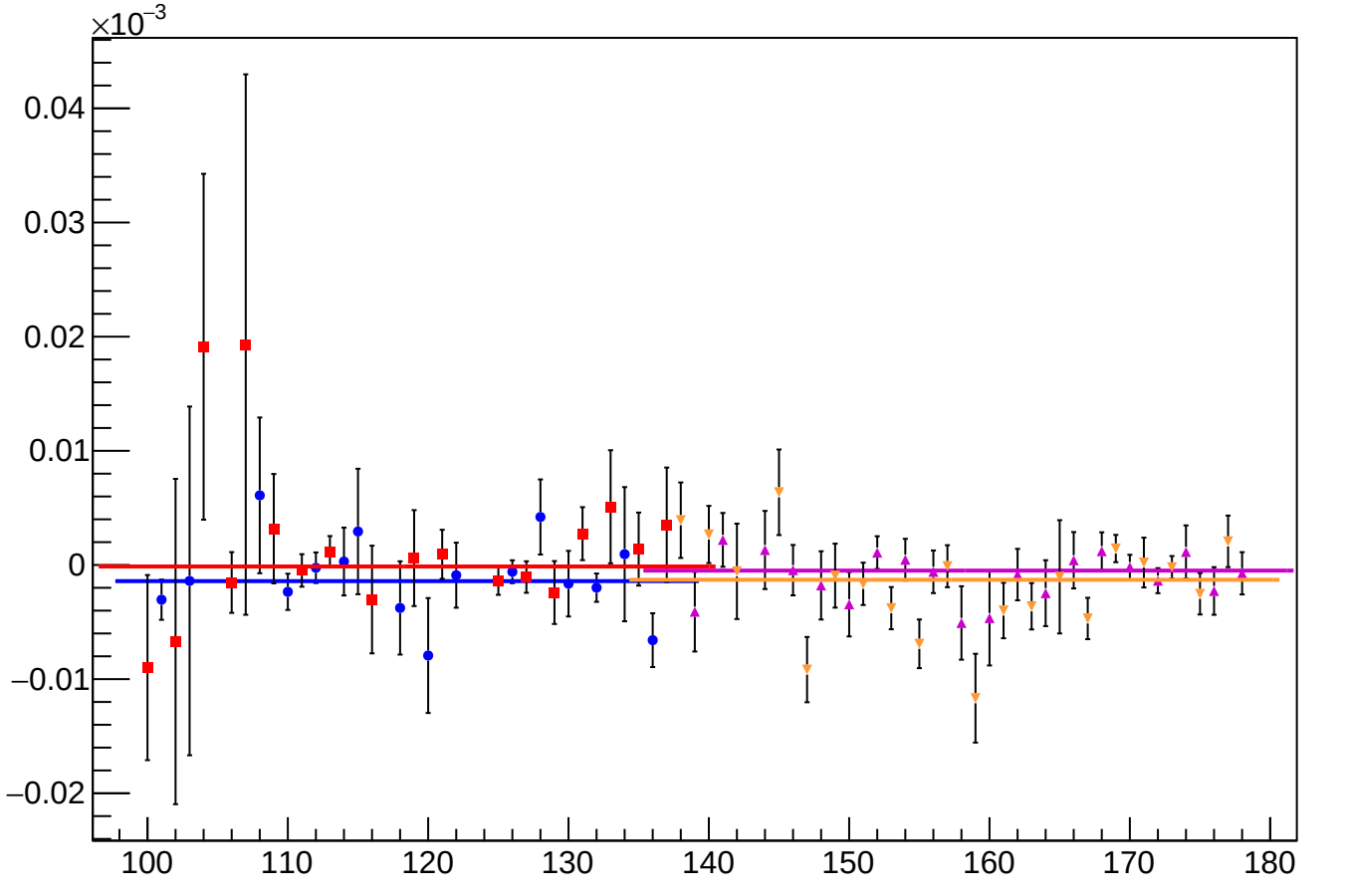
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 47.830+/-0.009 χ^2/NDF:1316037.2/19

+ sign 47.876+/-0.008 χ^2/NDF: 4089276.2/35

All: 48.167+/-0.006 χ^2/NDF: 8480357.9/73

- sign 48.465+/-0.008 χ^2/NDF: 4388342.2/37



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

Left Out: -0.000+/-0.000 χ^2/NDF:48.8/19

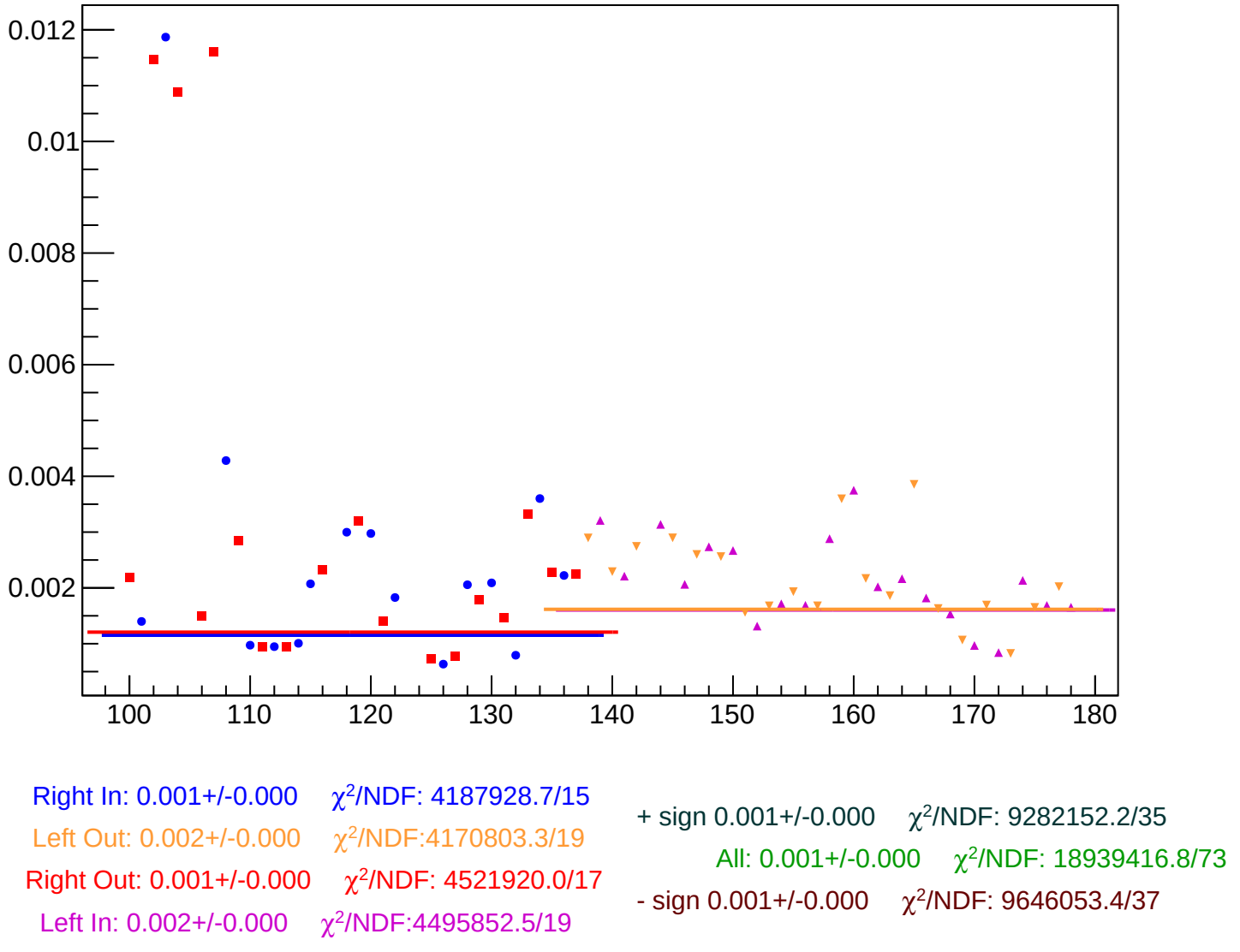
Right Out: -0.000+/-0.000 χ^2/NDF: 11.6/17

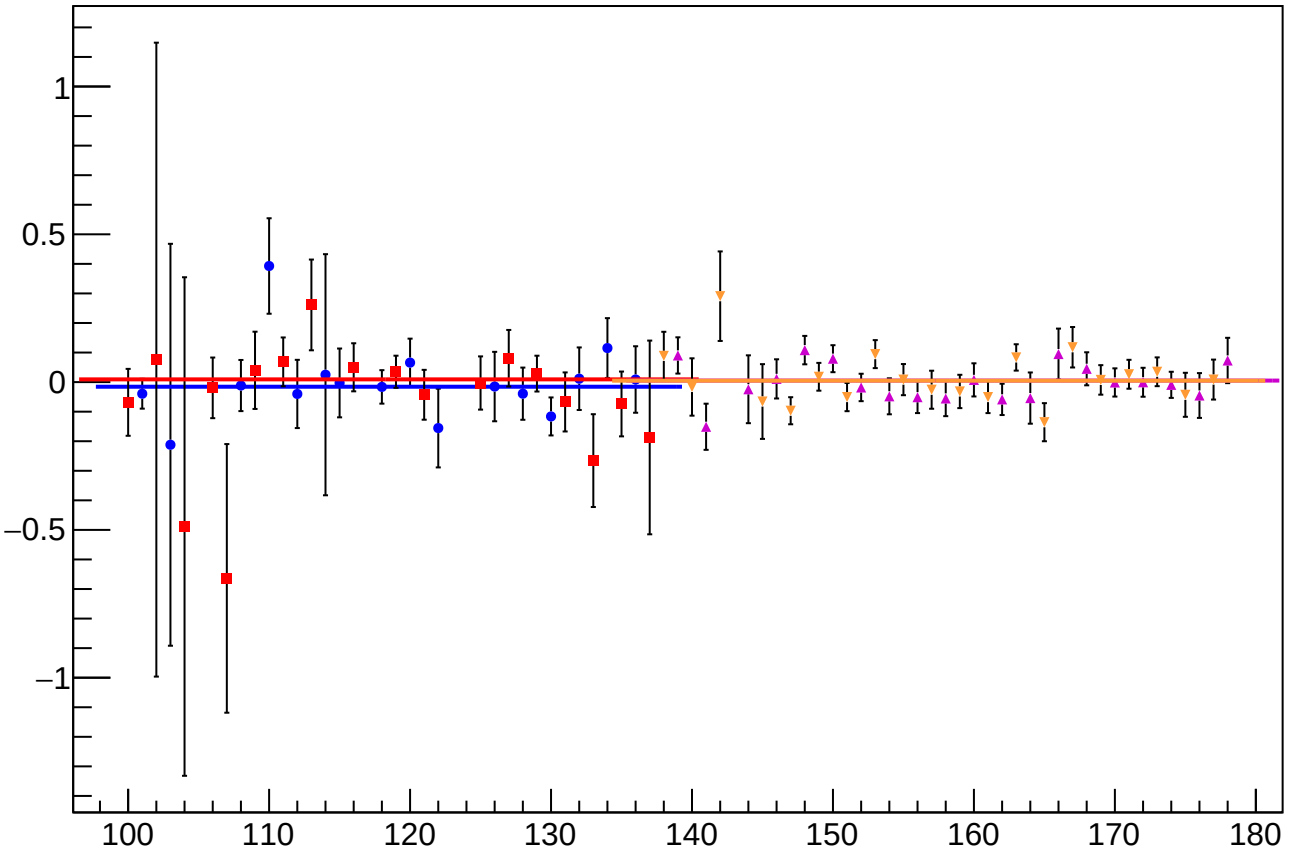
Left In: -0.000+/-0.000 χ^2/NDF:12.1/19

+ sign -0.000+/-0.000 χ^2/NDF: 63.7/35

All: -0.000+/-0.000 χ^2/NDF: 92.0/73

- sign -0.000+/-0.000 χ^2/NDF: 24.0/37


asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 4187928.7/15
Left Out: 0.002+/-0.000 χ²/NDF:4170803.3/19
Right Out: 0.001+/-0.000 χ²/NDF: 4521920.0/17
Left In: 0.002+/-0.000 χ²/NDF:4495852.5/19
+ sign 0.001+/-0.000 χ²/NDF: 9282152.2/35
All: 0.001+/-0.000 χ²/NDF: 18939416.8/73
- sign 0.001+/-0.000 χ²/NDF: 9646053.4/37



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.005+/-0.013 χ^2/NDF:28.2/19

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

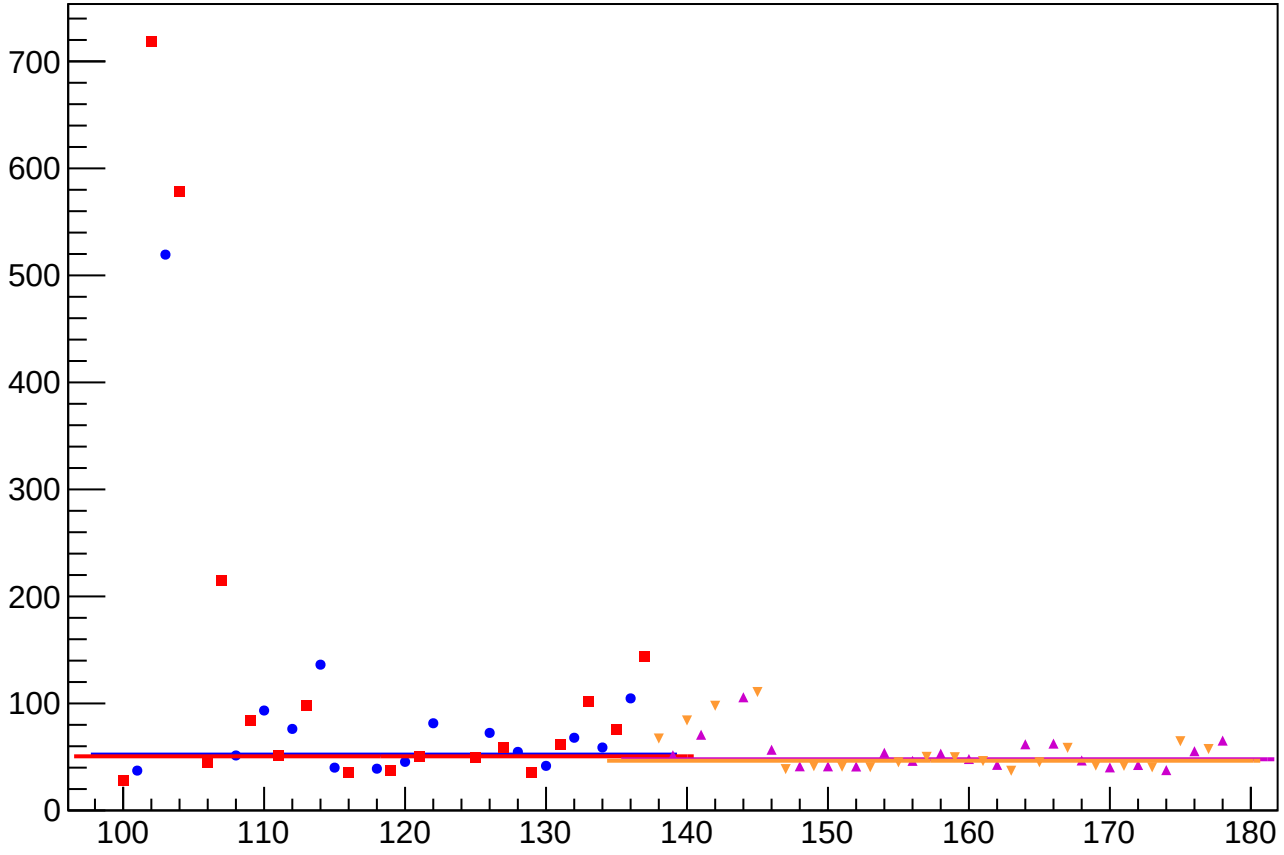
Left In: 0.005+/-0.013 χ^2/NDF:21.2/19

+ sign -0.000+/-0.011 χ^2/NDF: 42.0/35

All: 0.003+/-0.008 χ^2/NDF: 75.9/73

- sign 0.006+/-0.011 χ^2/NDF: 33.7/37

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: 46.481+/-0.009 χ^2/NDF:1726219.2/19

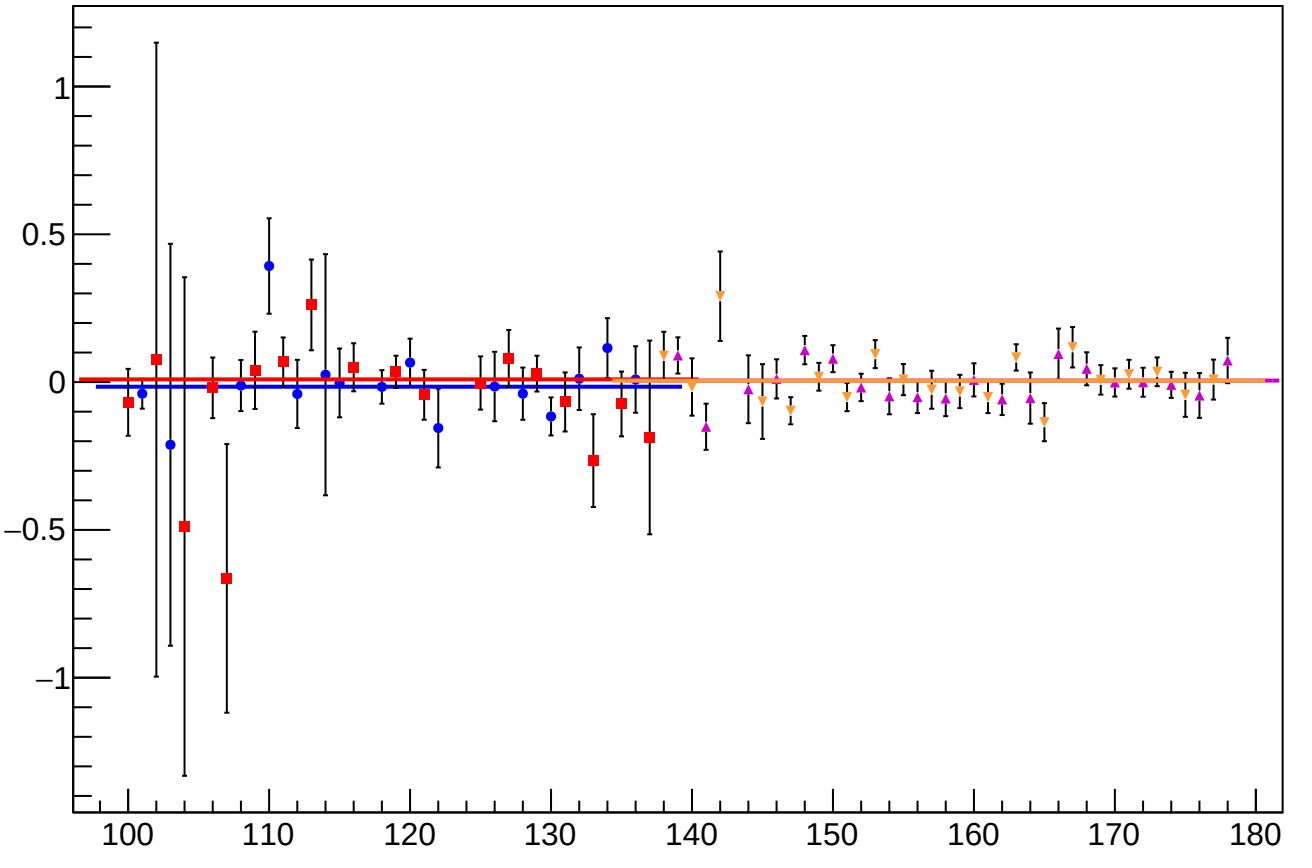
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 47.830+/-0.009 χ^2/NDF:1316040.3/19

+ sign 47.876+/-0.008 χ^2/NDF: 4089238.4/35

All: 48.167+/-0.006 χ^2/NDF: 8480301.9/73

- sign 48.465+/-0.008 χ^2/NDF: 4388325.0/37



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.005+/-0.013 χ^2/NDF:28.2/19

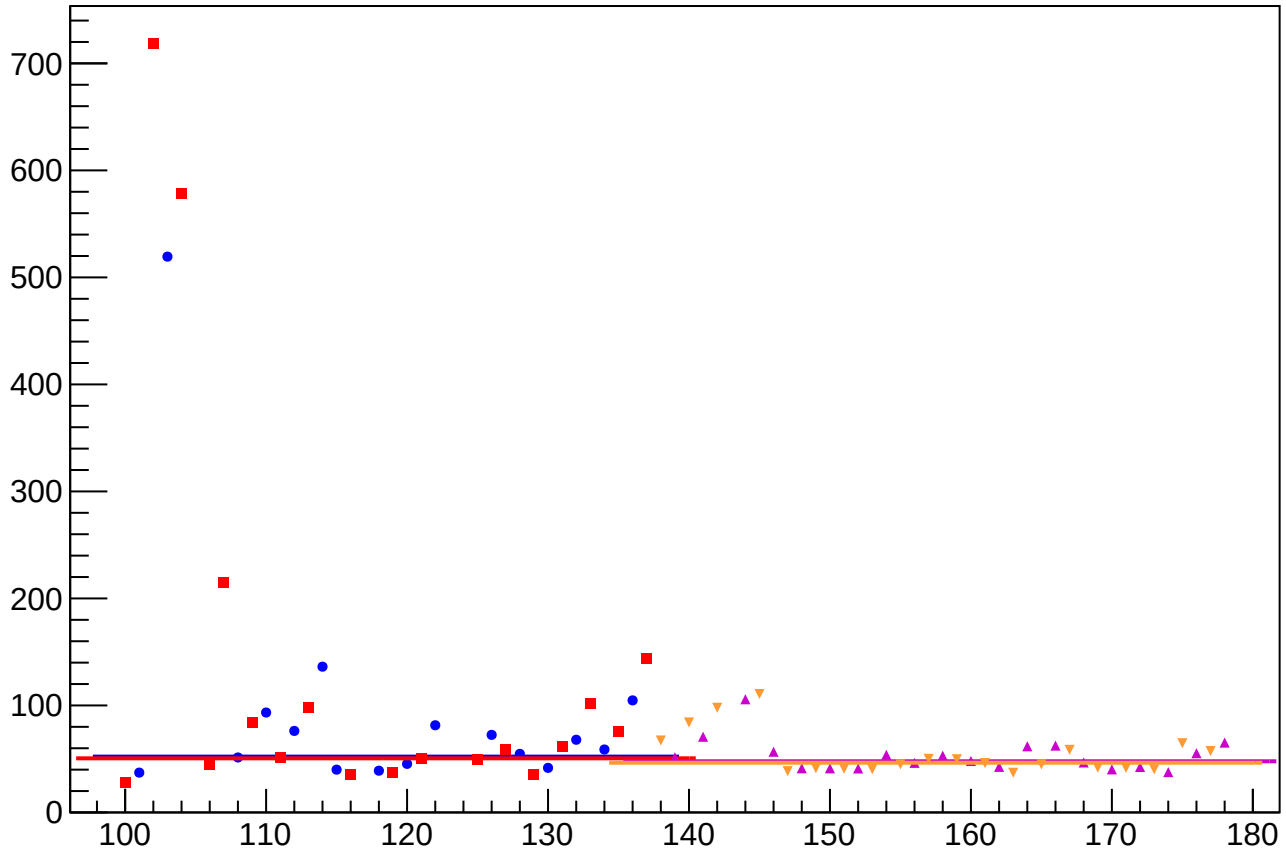
Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.005+/-0.013 χ^2/NDF:21.2/19

+ sign -0.000+/-0.011 χ^2/NDF: 42.0/35

All: 0.003+/-0.008 χ^2/NDF: 75.9/73

- sign 0.006+/-0.011 χ^2/NDF: 33.7/37



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 46.481+/-0.009 χ^2/NDF:1726219.2/19

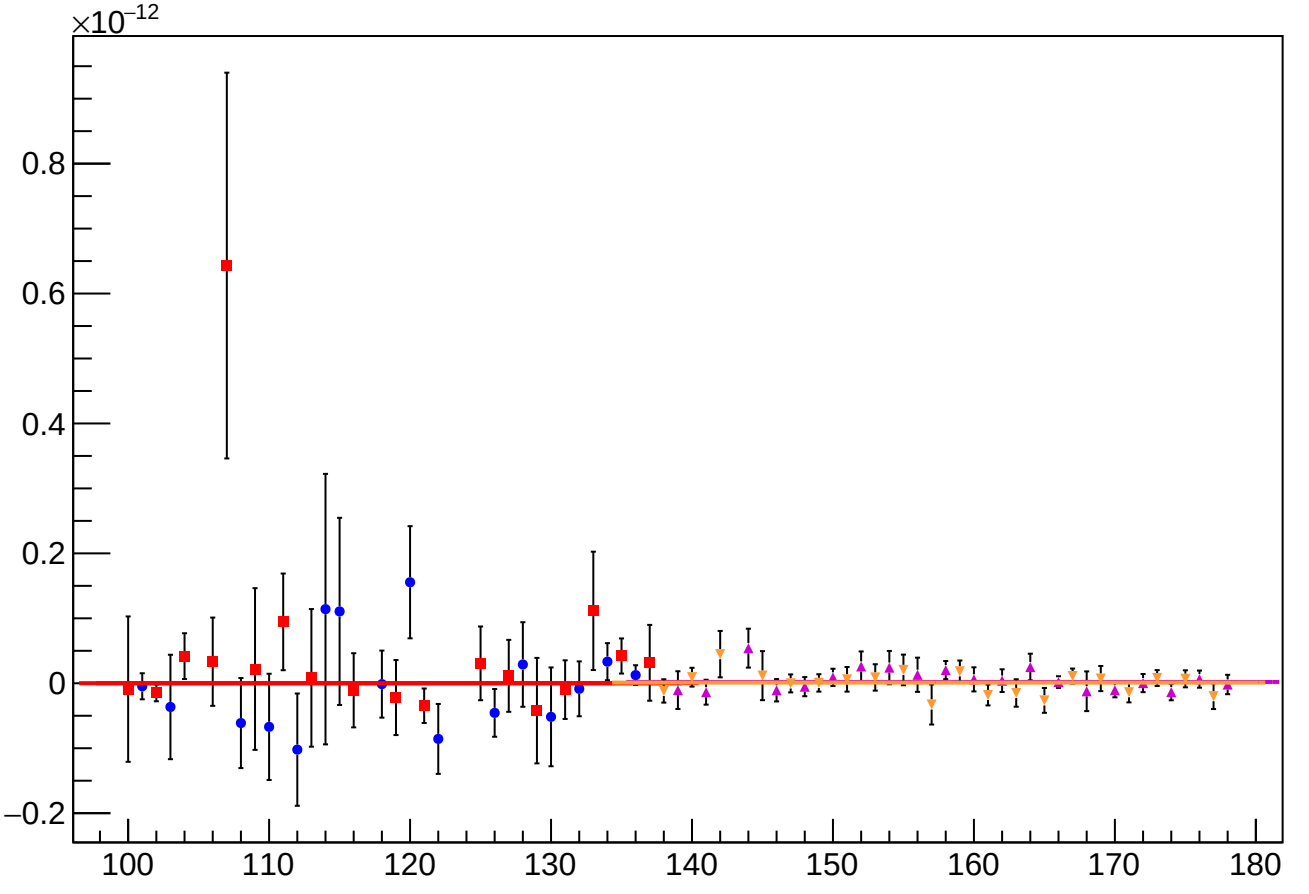
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 47.830+/-0.009 χ^2/NDF:1316040.3/19

+ sign 47.876+/-0.008 χ^2/NDF: 4089238.4/35

All: 48.167+/-0.006 χ^2/NDF: 8480301.9/73

- sign 48.465+/-0.008 χ^2/NDF: 4388325.0/37



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.1/19

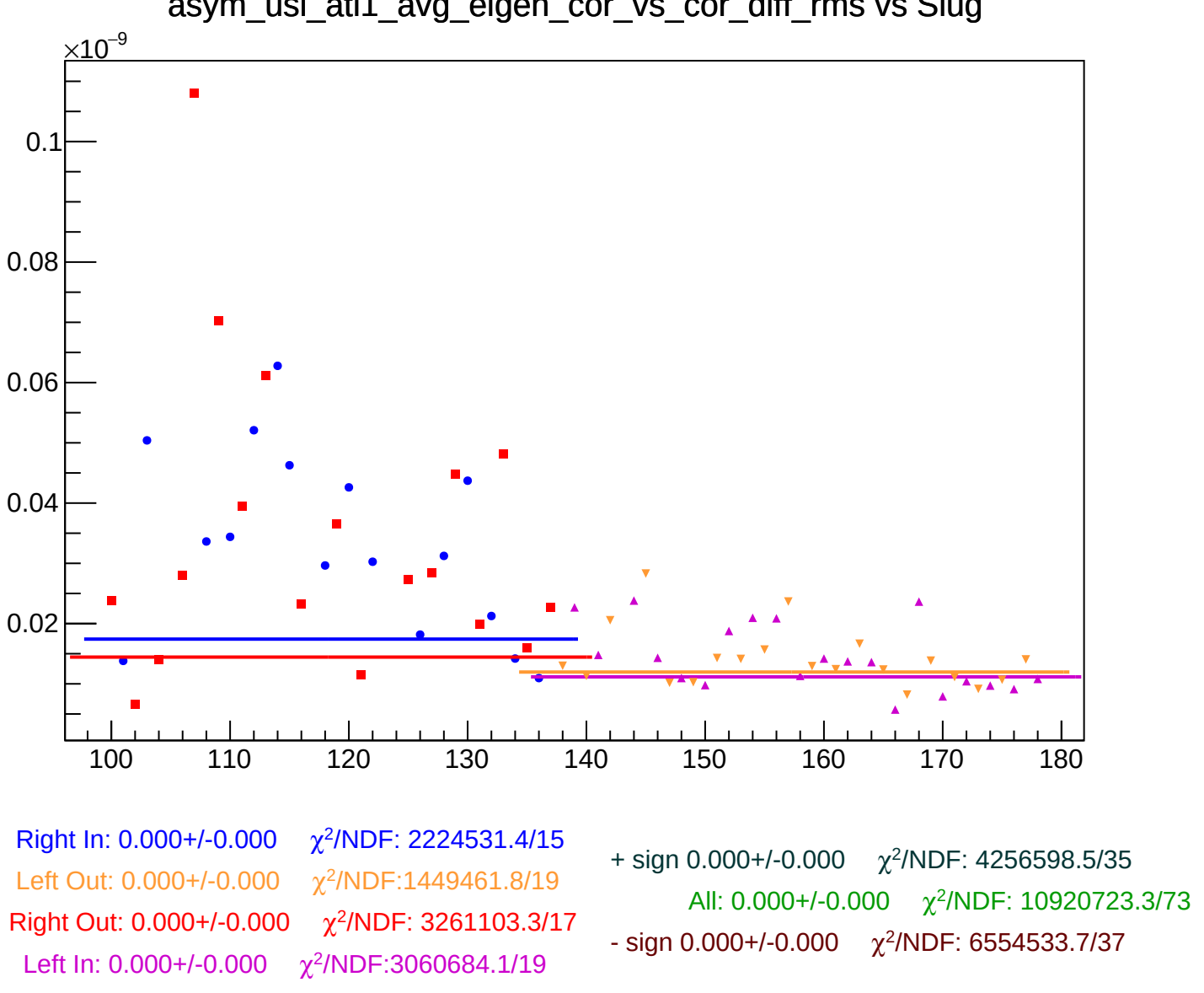
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: 0.000+/-0.000 χ^2/NDF:13.2/19

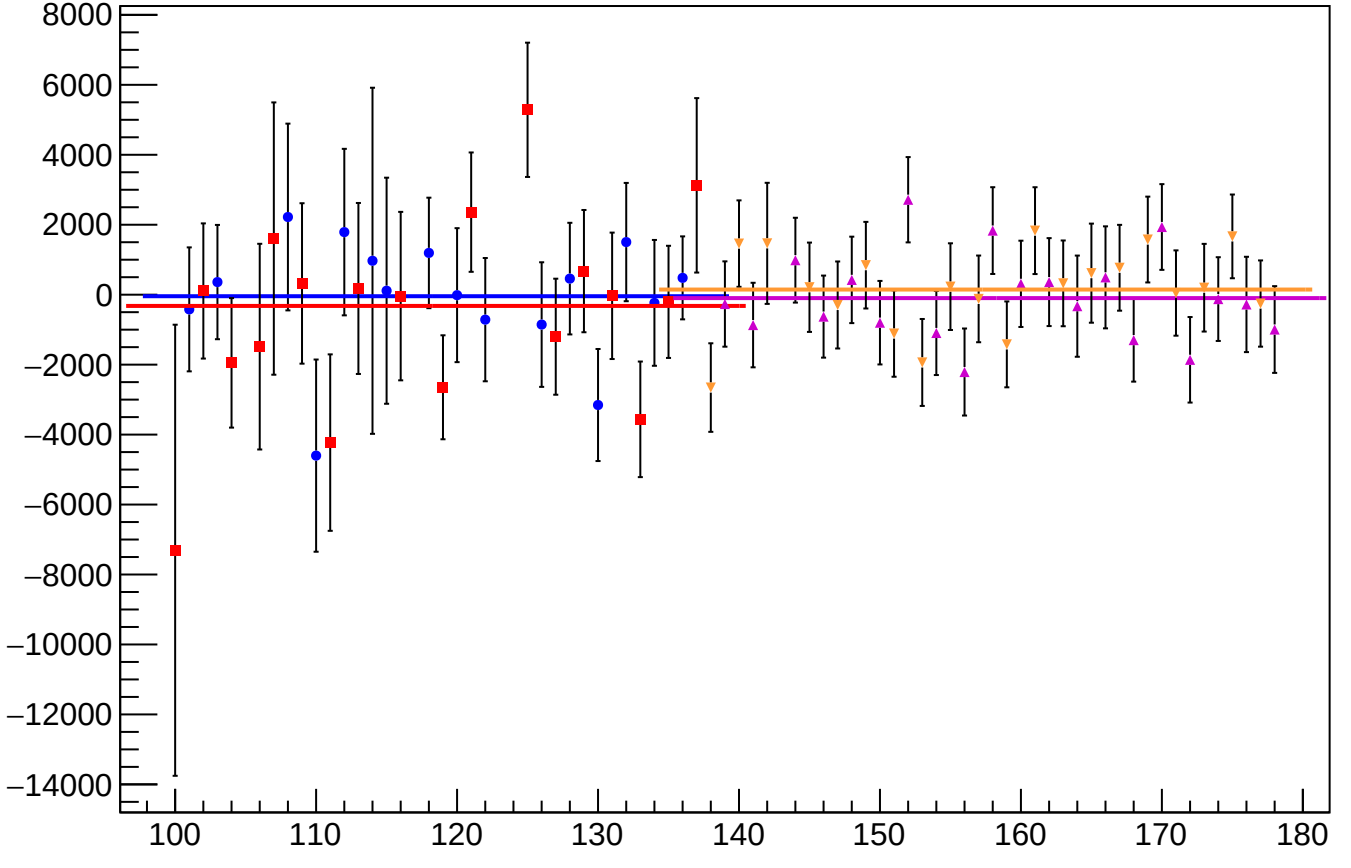
+ sign 0.000+/-0.000 χ^2/NDF: 27.2/35

All: 0.000+/-0.000 χ^2/NDF: 56.5/73

- sign 0.000+/-0.000 χ^2/NDF: 29.3/37


asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2224531.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1449461.8/19
Right Out: 0.000+/-0.000 χ²/NDF: 3261103.3/17
Left In: 0.000+/-0.000 χ²/NDF:3060684.1/19
+ sign 0.000+/-0.000 χ²/NDF: 4256598.5/35
All: 0.000+/-0.000 χ²/NDF: 10920723.3/73
- sign 0.000+/-0.000 χ²/NDF: 6554533.7/37

reg_asym_usl_atl1_dd_mean vs Slug



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: 146.975+/-281.714 χ^2/NDF:17.9/19

Right Out: -321.266+/-474.939 χ^2/NDF: 24.8/17

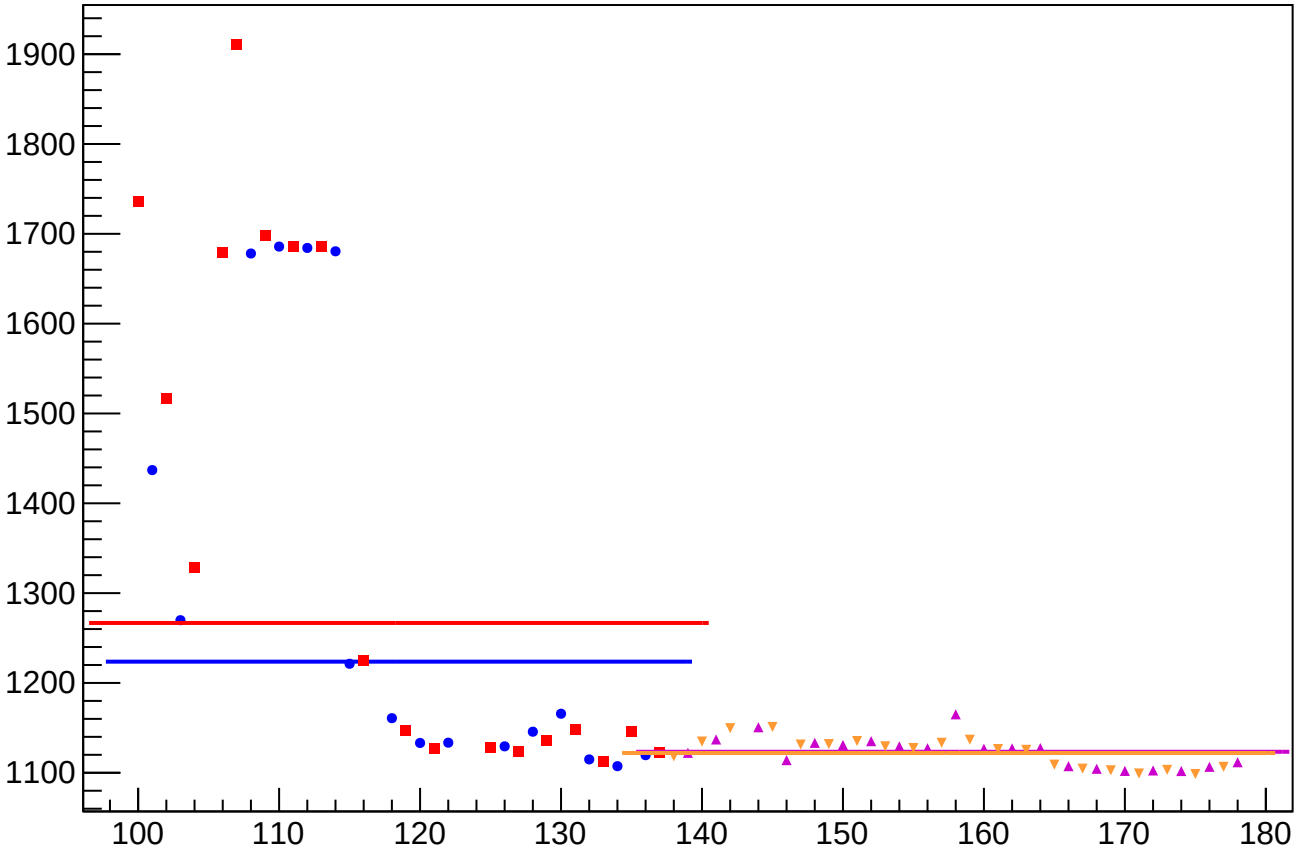
Left In: -97.670+/-277.888 χ^2/NDF:20.1/19

+ sign 94.843+/-240.130 χ^2/NDF: 28.1/35

All: -30.072+/-169.698 χ^2/NDF: 73.7/73

- sign -154.695+/-239.849 χ^2/NDF: 45.0/37

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1122.047+/-0.199 χ^2/NDF:6151.1/19

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

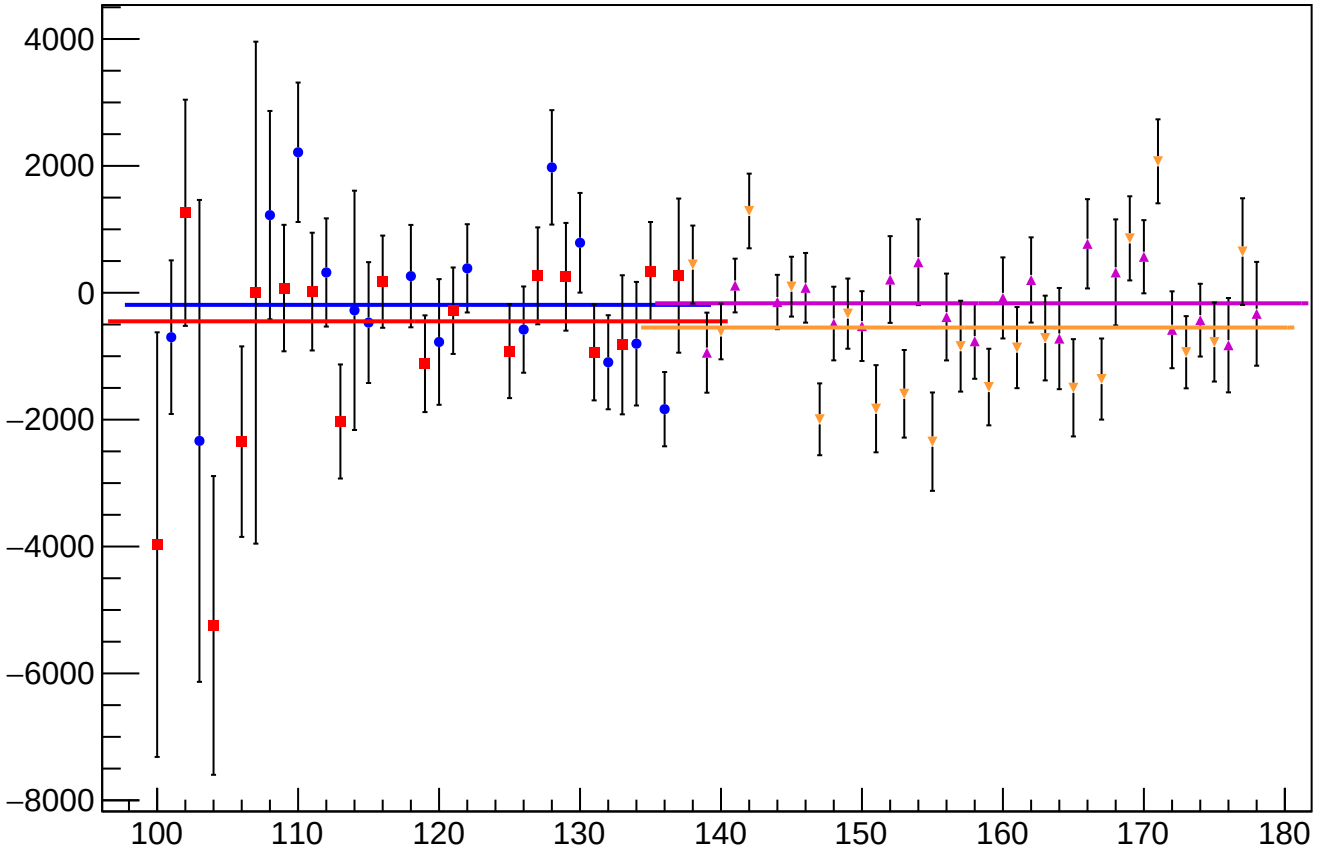
Left In: 1123.388+/-0.196 χ^2/NDF:7232.8/19

+ sign 1149.844+/-0.170 χ^2/NDF: 372327.9/35

All: 1154.907+/-0.120 χ^2/NDF: 949994.4/73

- sign 1159.958+/-0.170 χ^2/NDF: 575890.4/37

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: -548.026+/-137.815 χ^2/NDF:60.9/19

Right Out: -449.847+/-223.203 χ^2/NDF: 16.8/17

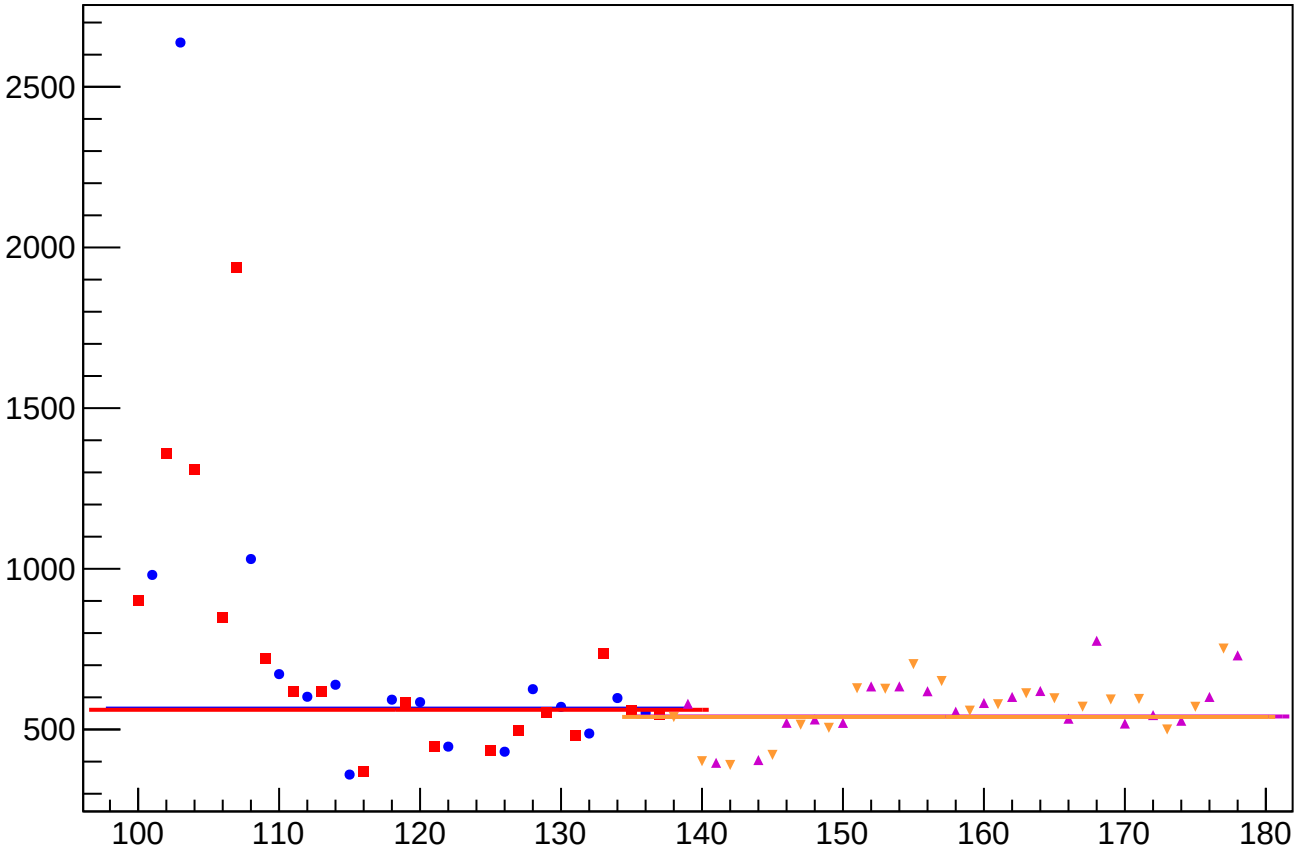
Left In: -165.857+/-135.831 χ^2/NDF:11.3/19

+ sign -449.168+/-117.215 χ^2/NDF: 88.0/35

All: -344.841+/-82.463 χ^2/NDF: 118.8/73

- sign -242.606+/-116.034 χ^2/NDF: 29.3/37

asym_usl_atl1_dd_reg_correction_rms vs Slug



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 539.056+/-0.097 χ^2/NDF:888125.6/19

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

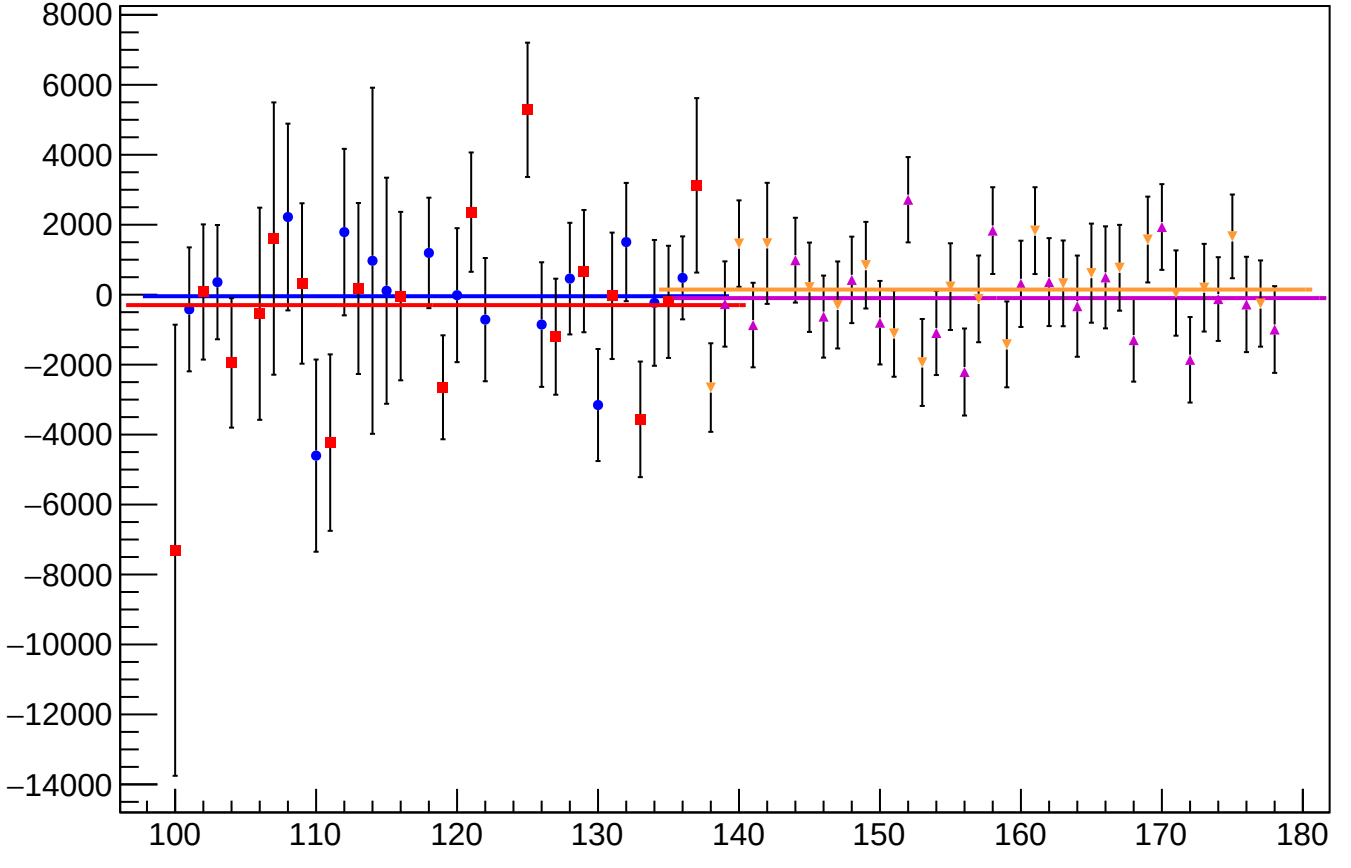
Left In: 540.454+/-0.096 χ^2/NDF:878603.3/19

+ sign 546.221+/-0.083 χ^2/NDF: 2192147.5/35

All: 546.146+/-0.058 χ^2/NDF: 4435653.4/73

- sign 546.072+/-0.082 χ^2/NDF: 2243504.2/37

cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: 147.029+/-281.714 χ^2/NDF:17.9/19

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

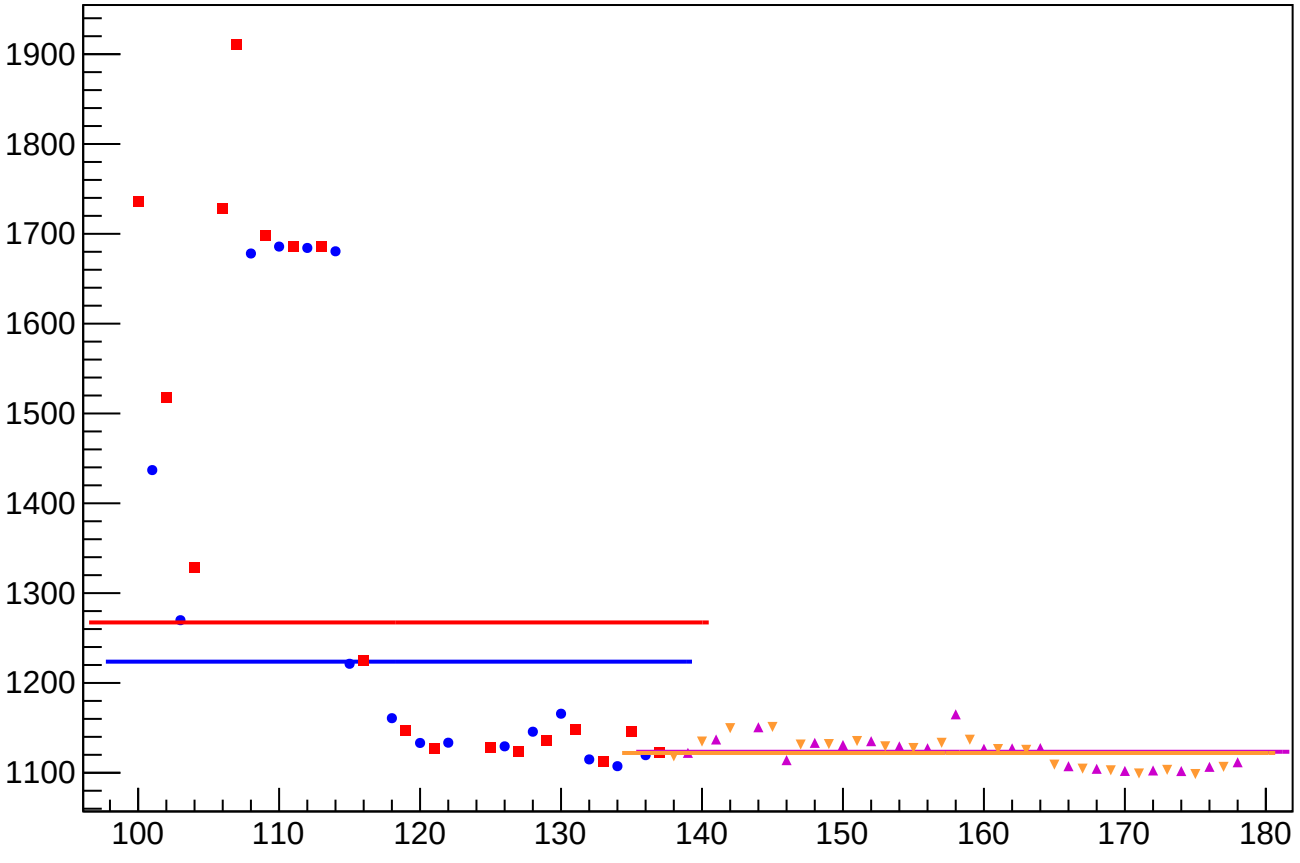
Left In: -97.662+/-277.888 χ^2/NDF:20.1/19

+ sign 94.817+/-240.130 χ^2/NDF: 28.1/35

All: -27.084+/-169.715 χ^2/NDF: 73.5/73

- sign -148.748+/-239.897 χ^2/NDF: 44.8/37

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1122.047+/-0.199 χ^2/NDF:6151.1/19

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

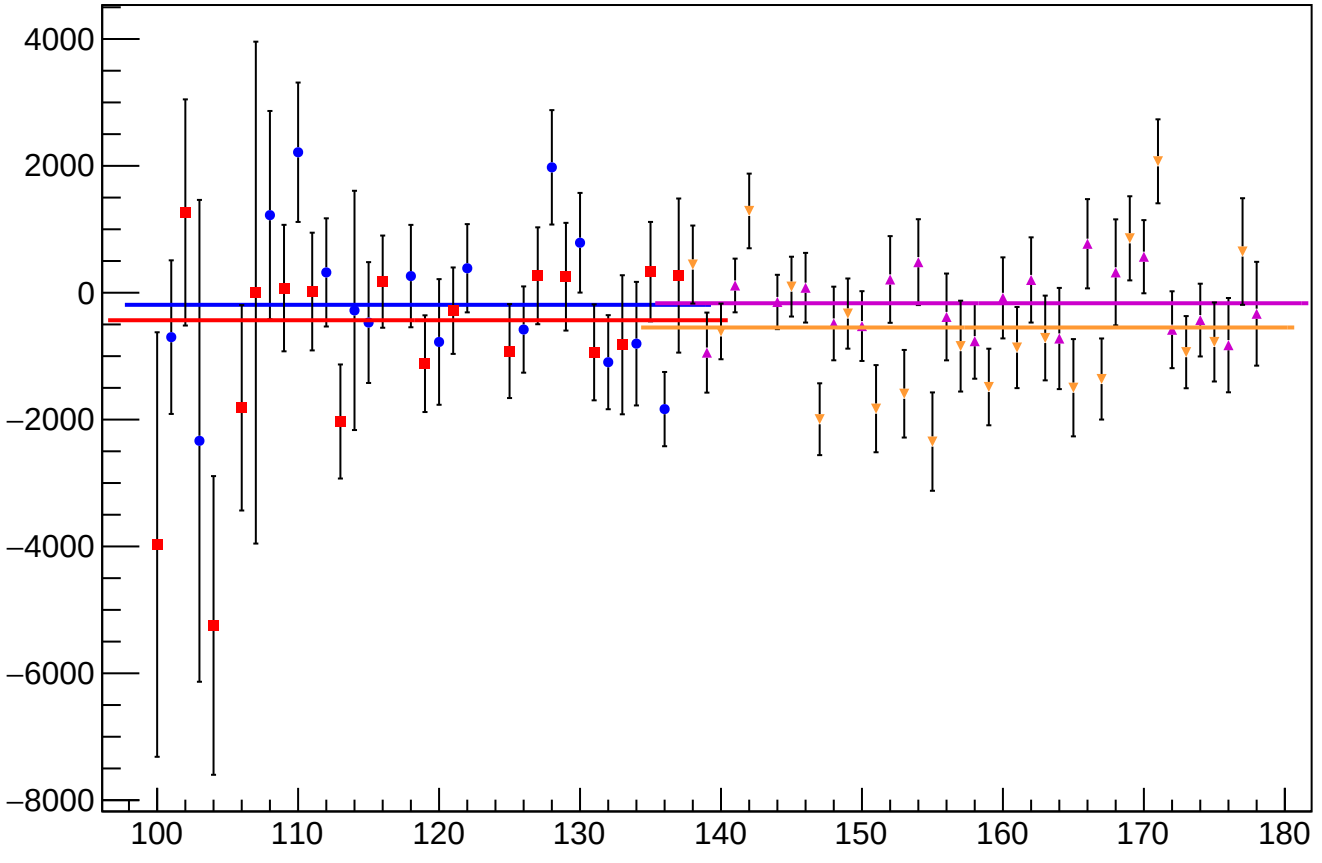
Left In: 1123.388+/-0.196 χ^2/NDF:7232.8/19

+ sign 1149.844+/-0.170 χ^2/NDF: 372328.0/35

All: 1154.958+/-0.120 χ^2/NDF: 958114.7/73

- sign 1160.063+/-0.170 χ^2/NDF: 583973.7/37

asym_usl_atl1_dd_cor_correction_mean vs Slug



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -548.042+/-137.814 χ^2/NDF:60.9/19

Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

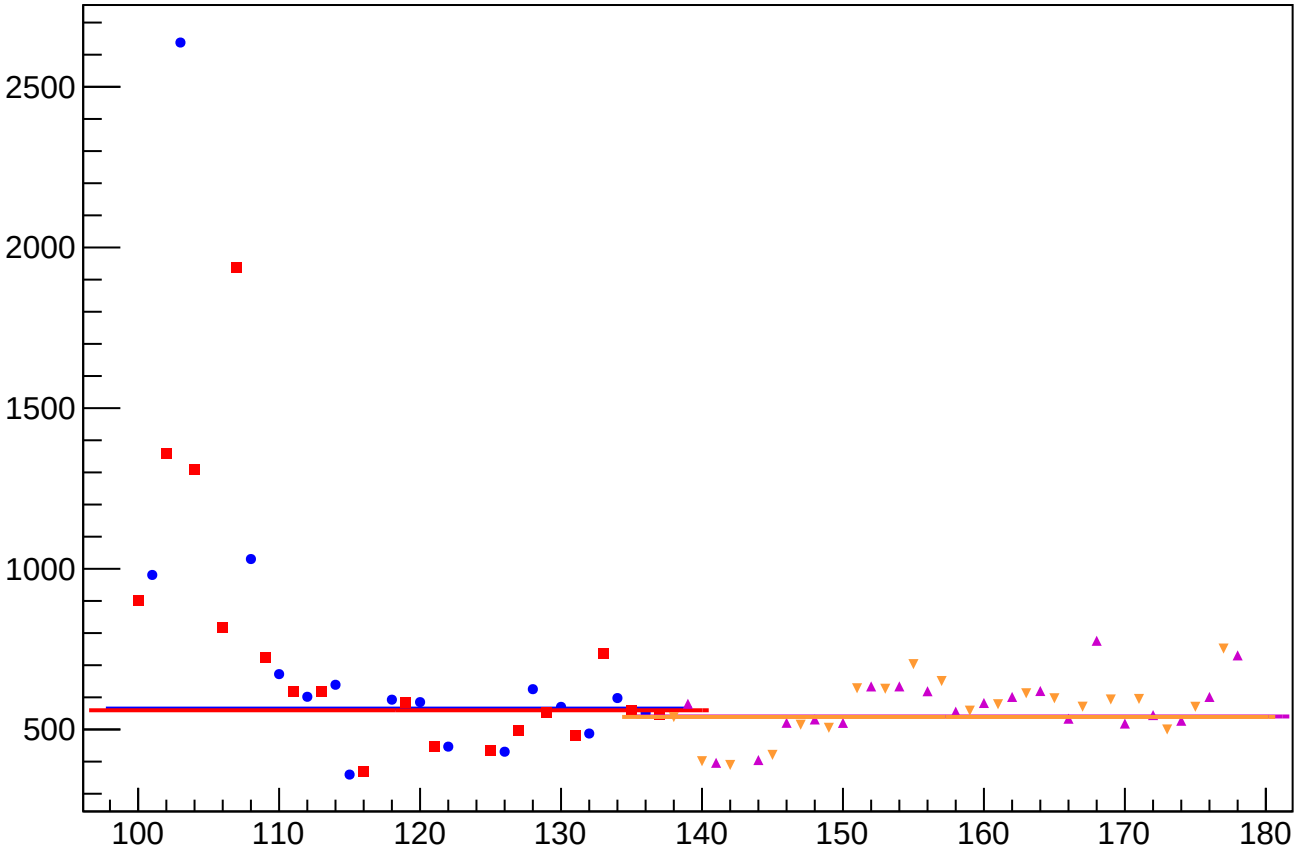
Left In: -165.841+/-135.830 χ^2/NDF:11.3/19

+ sign -449.182+/-117.214 χ^2/NDF: 88.0/35

All: -342.624+/-82.480 χ^2/NDF: 117.9/73

- sign -238.115+/-116.082 χ^2/NDF: 28.3/37

asym_usl_atl1_dd_cor_correction_rms vs Slug



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 539.054+/-0.097 χ^2/NDF:888119.9/19

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

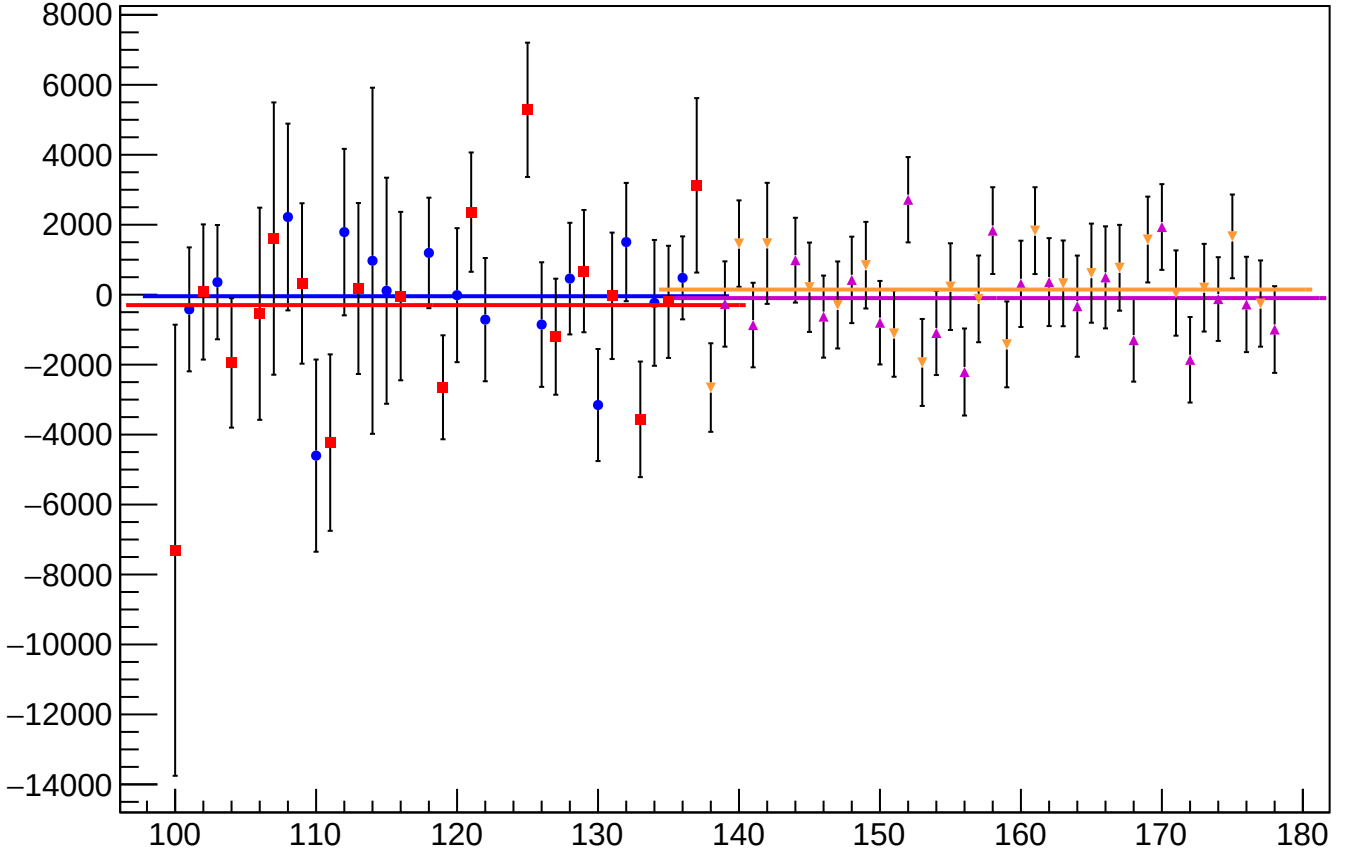
Left In: 540.453+/-0.096 χ^2/NDF:878544.3/19

+ sign 546.219+/-0.083 χ^2/NDF: 2192114.7/35

All: 545.936+/-0.058 χ^2/NDF: 4410932.6/73

- sign 545.658+/-0.082 χ^2/NDF: 2218794.9/37

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: 147.029+/-281.714 χ^2/NDF:17.9/19

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

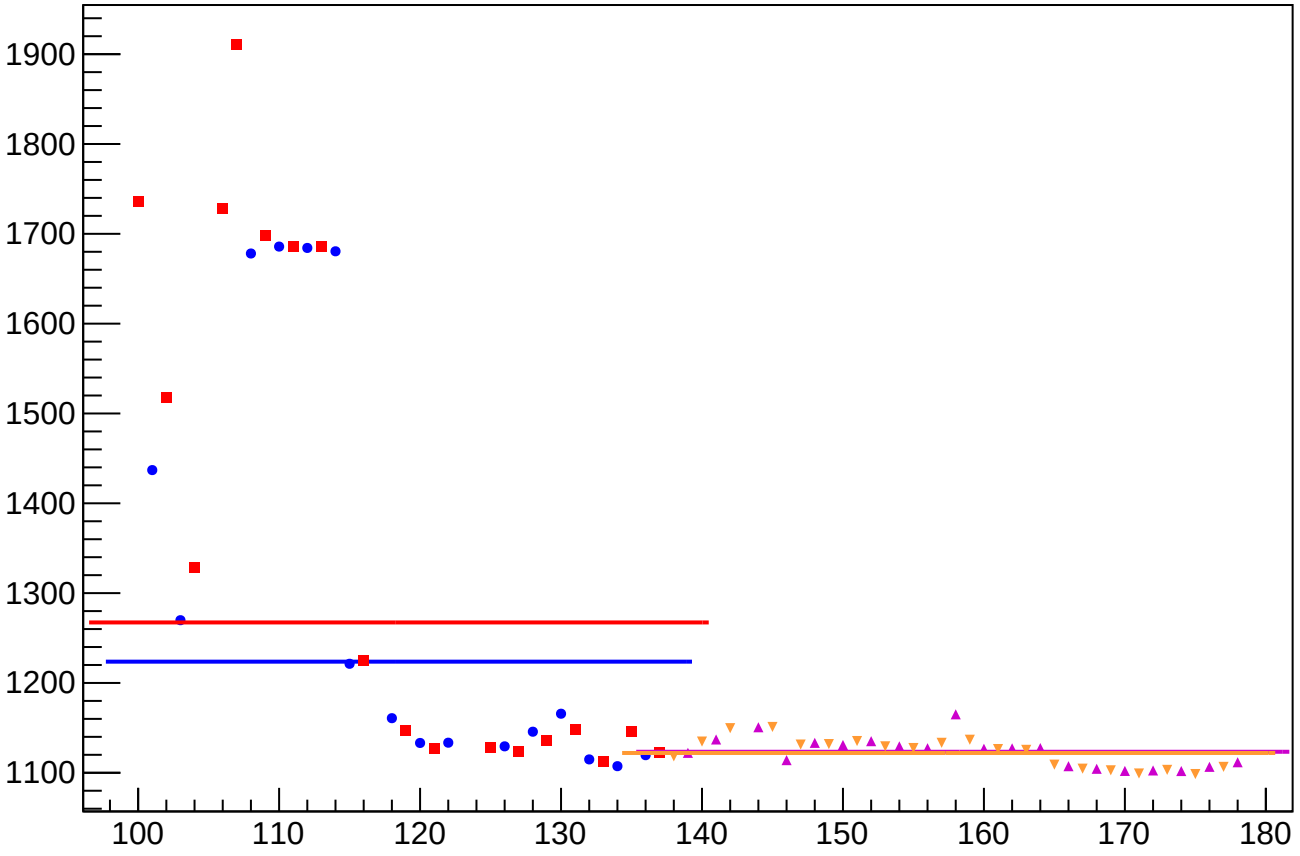
Left In: -97.662+/-277.888 χ^2/NDF:20.1/19

+ sign 94.817+/-240.130 χ^2/NDF: 28.1/35

All: -27.084+/-169.715 χ^2/NDF: 73.5/73

- sign -148.748+/-239.897 χ^2/NDF: 44.8/37

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1122.047+/-0.199 χ^2/NDF:6151.1/19

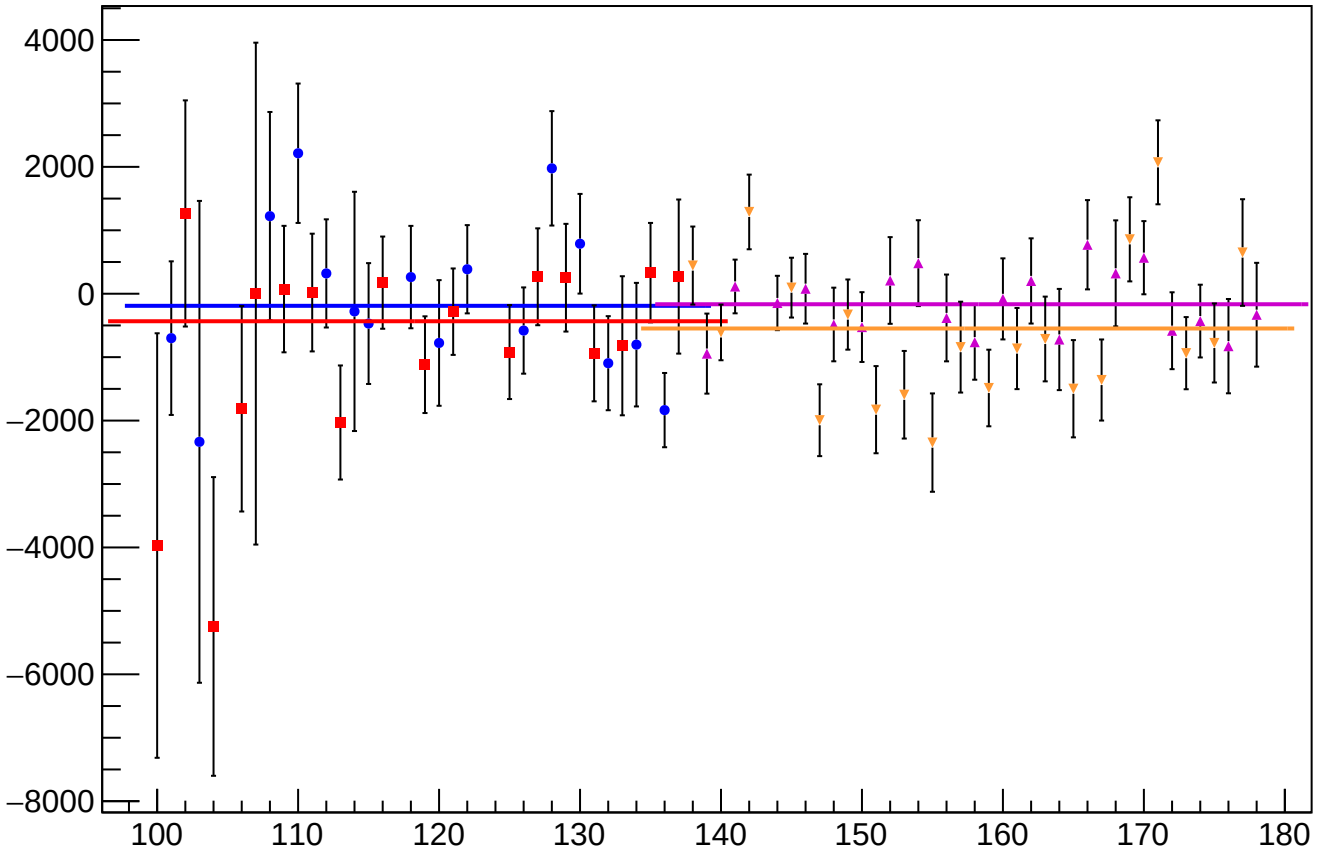
Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1123.388+/-0.196 χ^2/NDF:7232.8/19

+ sign 1149.844+/-0.170 χ^2/NDF: 372328.0/35

All: 1154.958+/-0.120 χ^2/NDF: 958114.7/73

- sign 1160.063+/-0.170 χ^2/NDF: 583973.7/37



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -548.042+/-137.814 χ^2/NDF:60.9/19

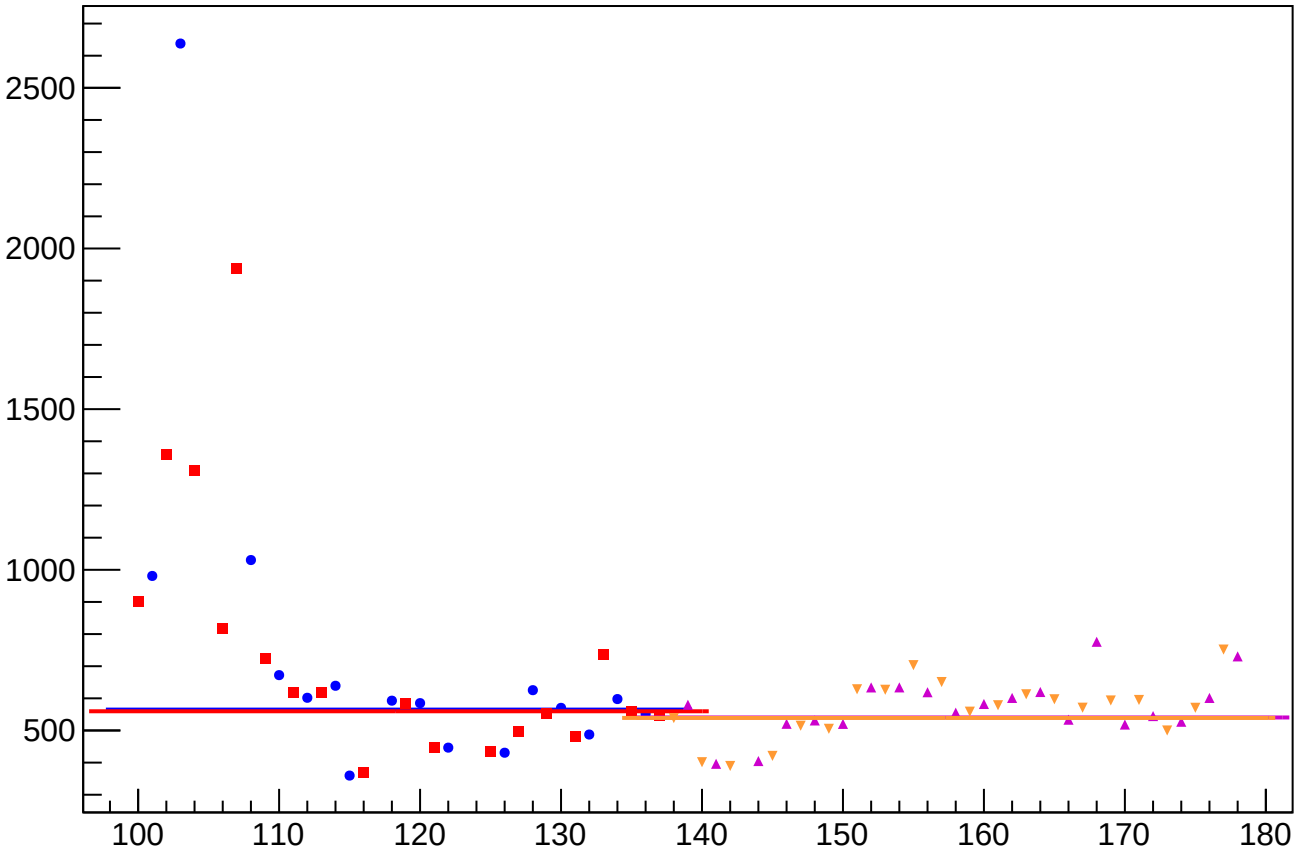
Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: -165.841+/-135.830 χ^2/NDF:11.3/19

\+ sign -449.182+/-117.214 χ^2/NDF: 88.0/35

All: -342.624+/-82.480 χ^2/NDF: 117.9/73

\- sign -238.115+/-116.082 χ^2/NDF: 28.3/37



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 539.054+/-0.097 χ^2/NDF:888119.9/19

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

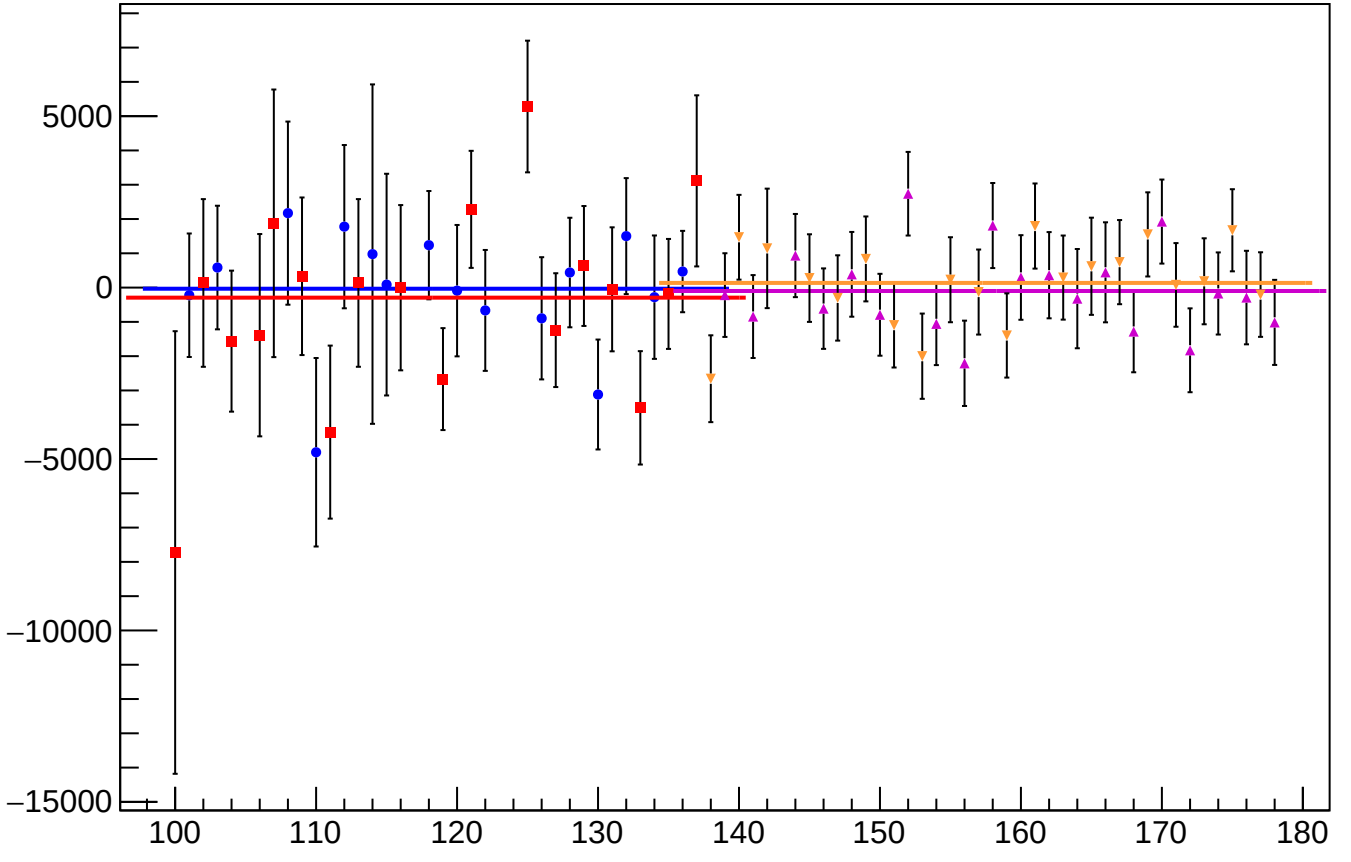
Left In: 540.453+/-0.096 χ^2/NDF:878544.3/19

+ sign 546.219+/-0.083 χ^2/NDF: 2192114.7/35

All: 545.936+/-0.058 χ^2/NDF: 4410932.6/73

- sign 545.658+/-0.082 χ^2/NDF: 2218794.9/37

dit_asym_usl_atl1_dd_mean vs Slug



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: 136.481+/-281.880 χ^2/NDF:17.6/19

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

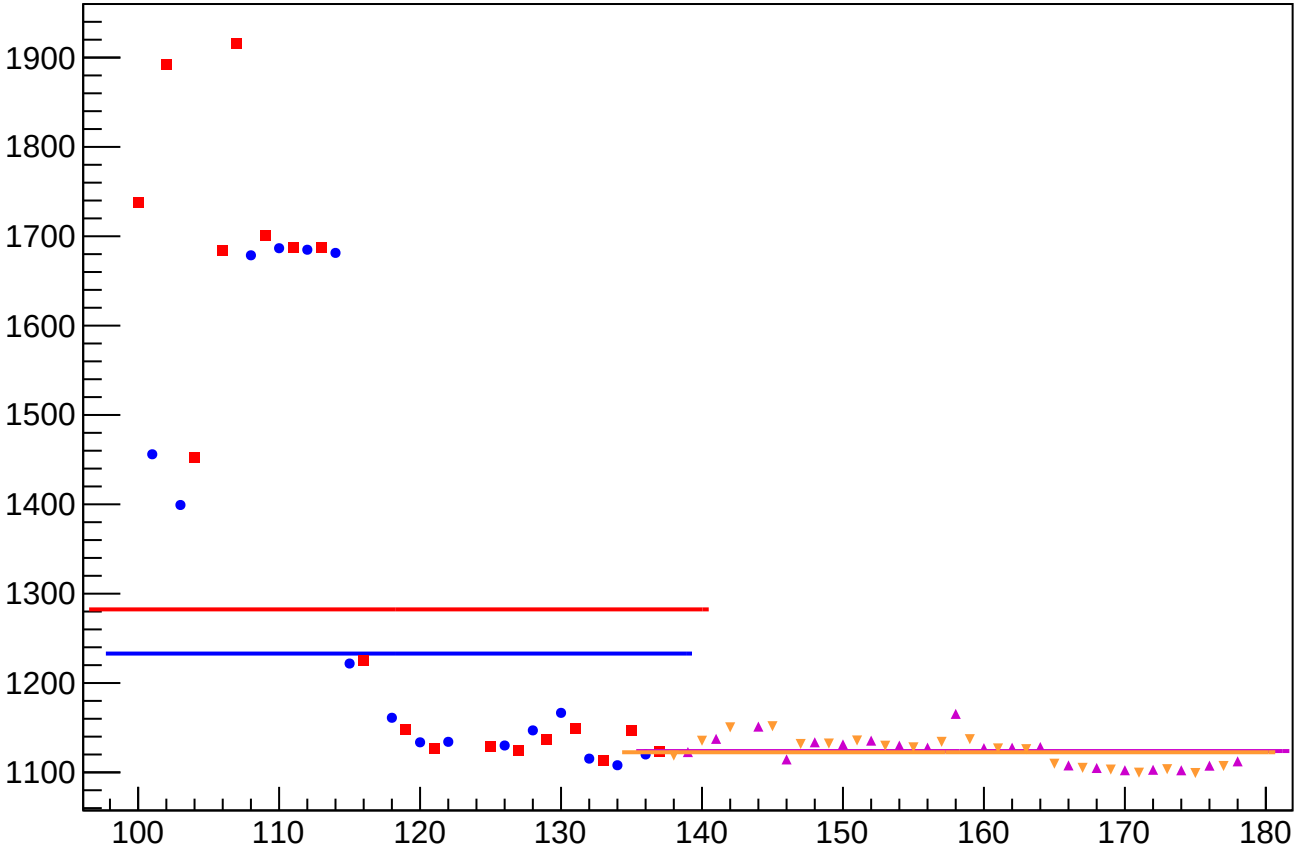
Left In: -99.360+/-278.003 χ^2/NDF:19.8/19

+ sign 90.664+/-240.800 χ^2/NDF: 28.0/35

All: -28.304+/-170.358 χ^2/NDF: 72.6/73

- sign -147.517+/-241.047 χ^2/NDF: 44.1/37

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1122.512+/-0.199 χ^2/NDF:6147.8/19

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

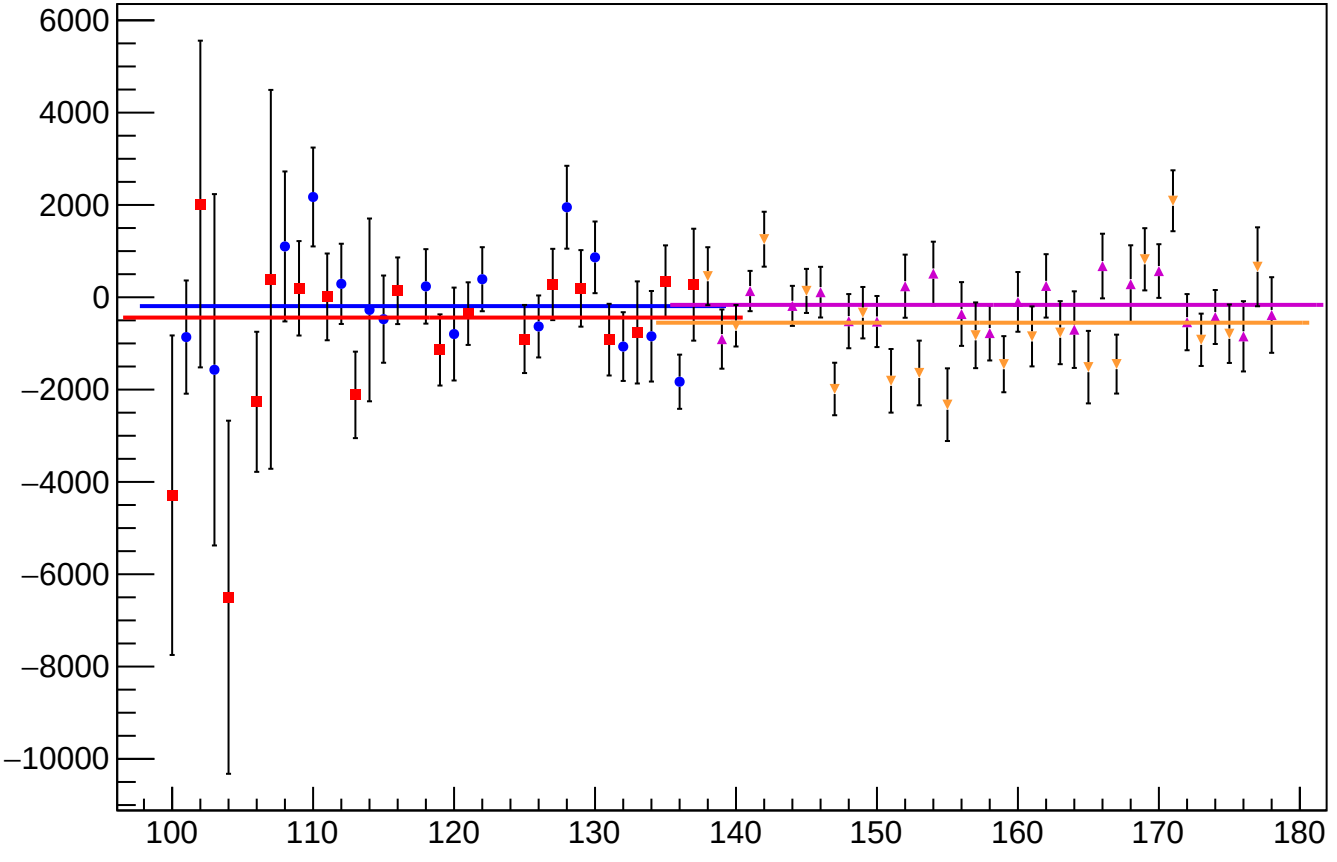
Left In: 1123.855+/-0.197 χ^2/NDF:7214.0/19

+ sign 1152.361+/-0.170 χ^2/NDF: 404603.1/35

All: 1157.779+/-0.120 χ^2/NDF: 1118711.0/73

- sign 1163.208+/-0.170 χ^2/NDF: 712080.8/37

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: -551.176+/-139.327 χ^2/NDF:60.2/19

Right Out: -439.610+/-226.600 χ^2/NDF: 14.6/17

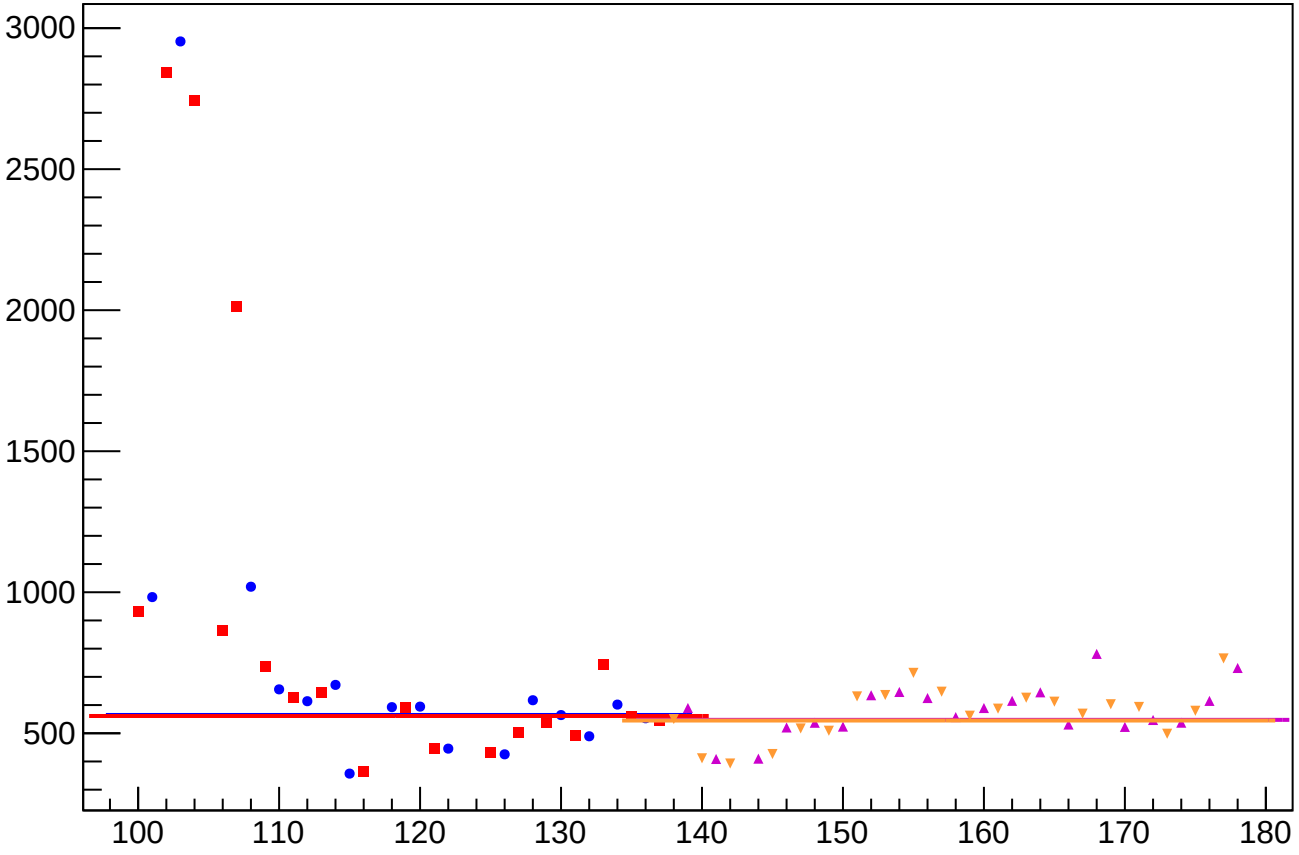
Left In: -164.634+/-137.522 χ^2/NDF:10.9/19

+ sign -450.047+/-118.126 χ^2/NDF: 87.3/35

All: -343.846+/-83.329 χ^2/NDF: 115.5/73

- sign -238.651+/-117.565 χ^2/NDF: 26.6/37

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 564.871+/-0.158 χ^2/NDF: 1480375.5/15

Left Out: 545.217+/-0.099 χ^2/NDF:876347.3/19

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

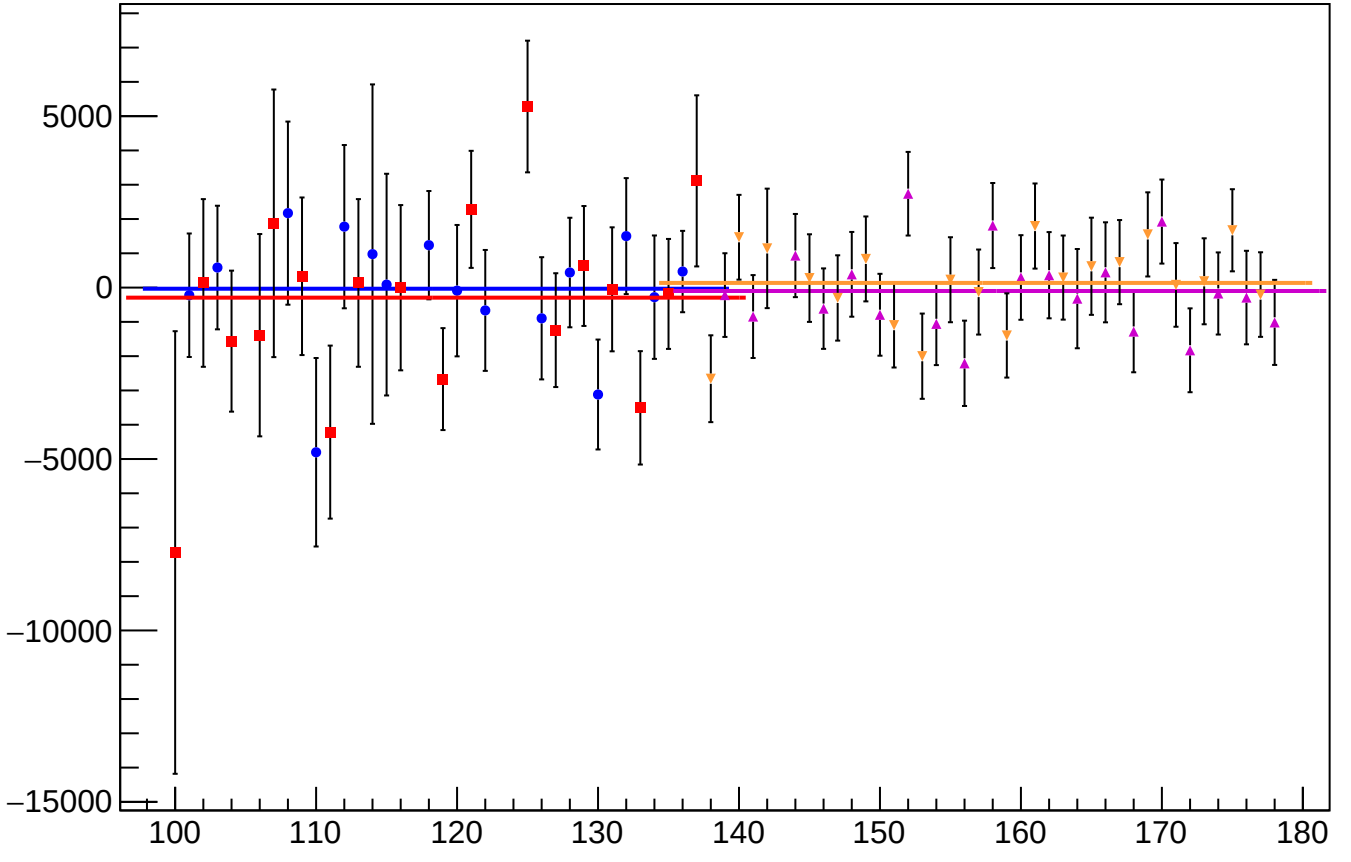
Left In: 547.543+/-0.097 χ^2/NDF:852152.5/19

+ sign 550.743+/-0.084 χ^2/NDF: 2367913.6/35

All: 550.992+/-0.059 χ^2/NDF: 5498821.7/73

- sign 551.239+/-0.083 χ^2/NDF: 3130890.4/37

eigen_dit_asym_usl_atl1_dd_mean vs Slug



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: 136.479+/-281.880 χ^2/NDF:17.6/19

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

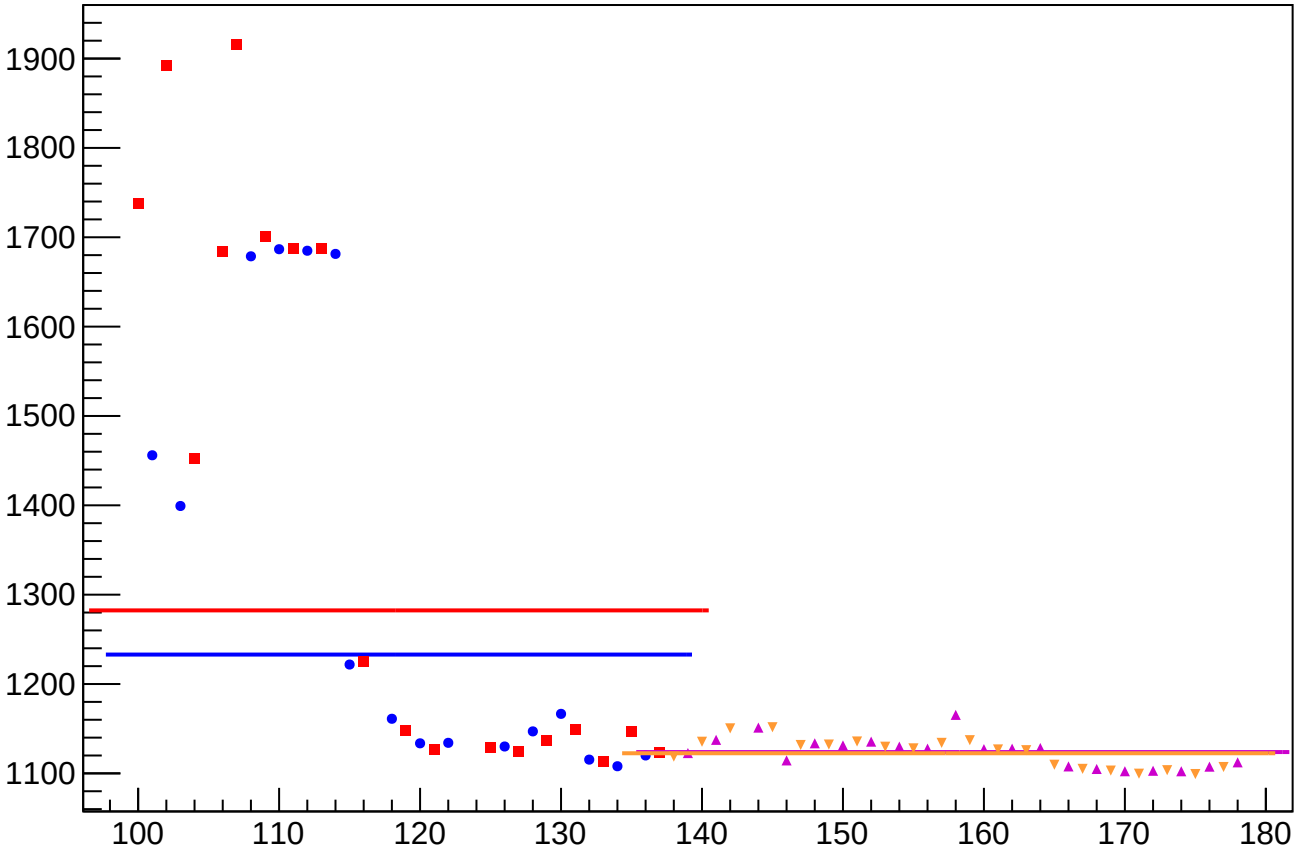
Left In: -99.361+/-278.003 χ^2/NDF:19.8/19

+ sign 90.663+/-240.800 χ^2/NDF: 28.0/35

All: -28.305+/-170.358 χ^2/NDF: 72.6/73

- sign -147.517+/-241.047 χ^2/NDF: 44.1/37

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1122.512+/-0.199 χ^2/NDF:6147.8/19

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

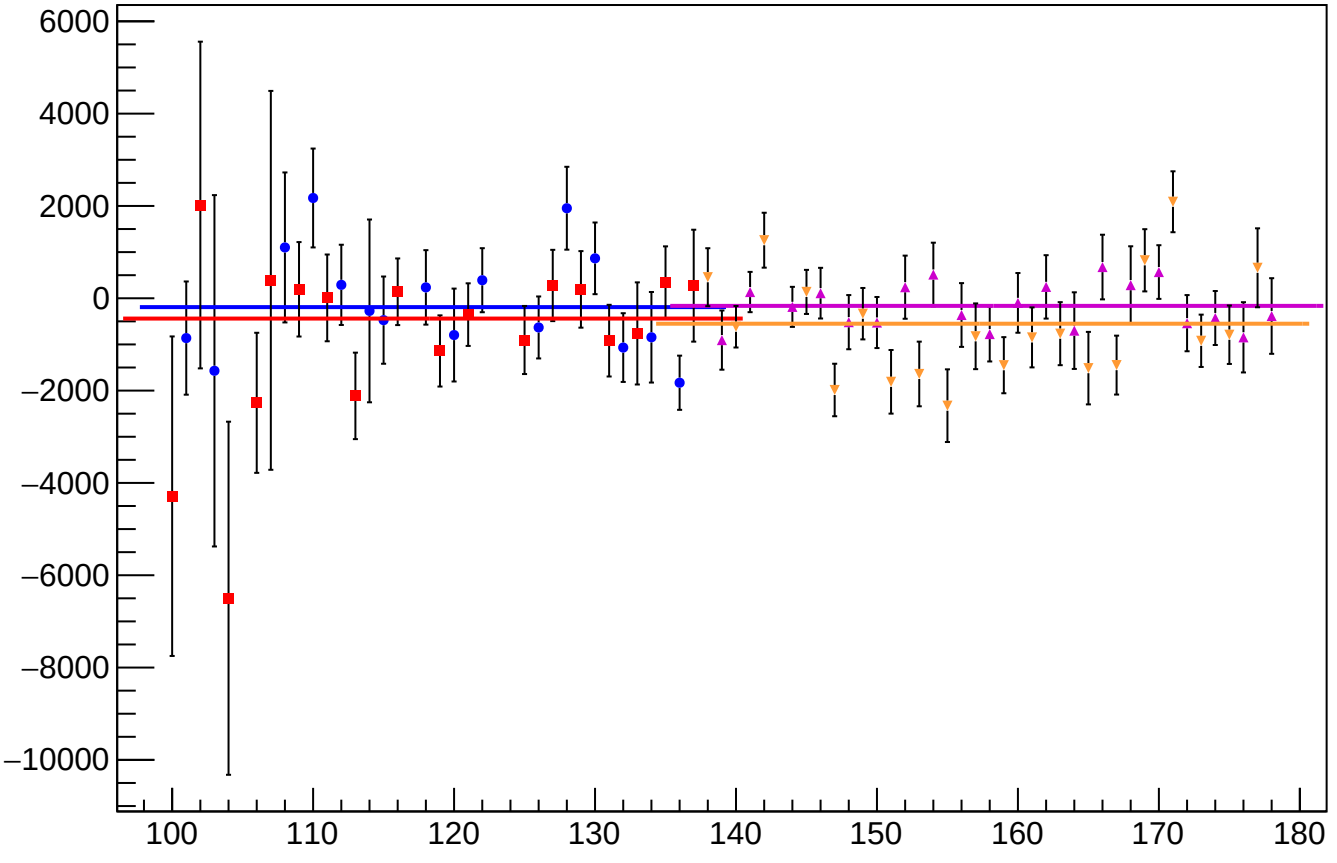
Left In: 1123.855+/-0.197 χ^2/NDF:7214.0/19

+ sign 1152.361+/-0.170 χ^2/NDF: 404602.6/35

All: 1157.779+/-0.120 χ^2/NDF: 1118709.8/73

- sign 1163.208+/-0.170 χ^2/NDF: 712080.1/37

asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug



Right In: -191.527+/-222.763 χ^2/NDF: 25.3/15

Left Out: -551.175+/-139.327 χ^2/NDF:60.2/19

Right Out: -439.611+/-226.600 χ^2/NDF: 14.6/17

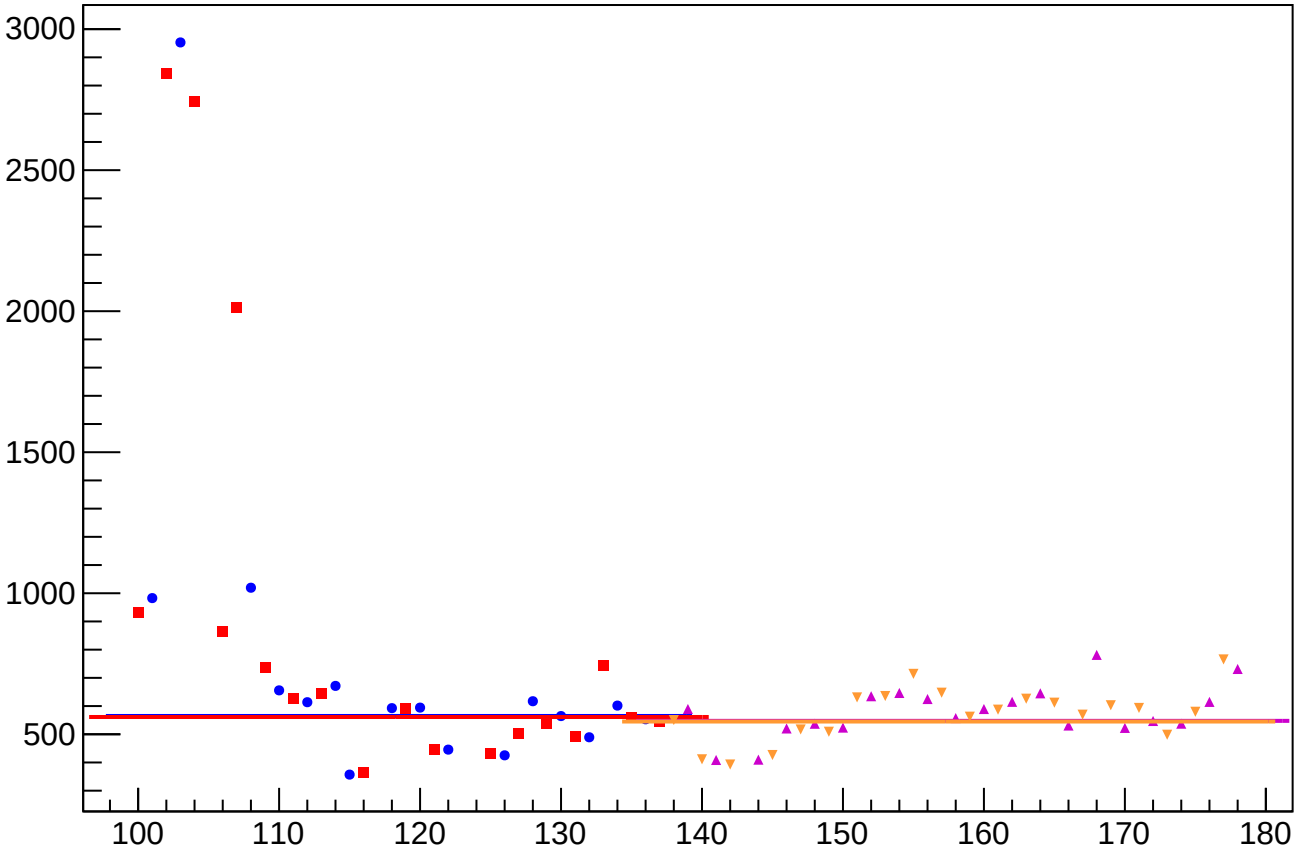
Left In: -164.634+/-137.522 χ^2/NDF:10.9/19

+ sign -450.046+/-118.125 χ^2/NDF: 87.3/35

All: -343.846+/-83.328 χ^2/NDF: 115.5/73

- sign -238.651+/-117.565 χ^2/NDF: 26.6/37

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



Right In: 564.871+/-0.158 χ^2/NDF: 1480372.9/15

Left Out: 545.216+/-0.099 χ^2/NDF:876366.1/19

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

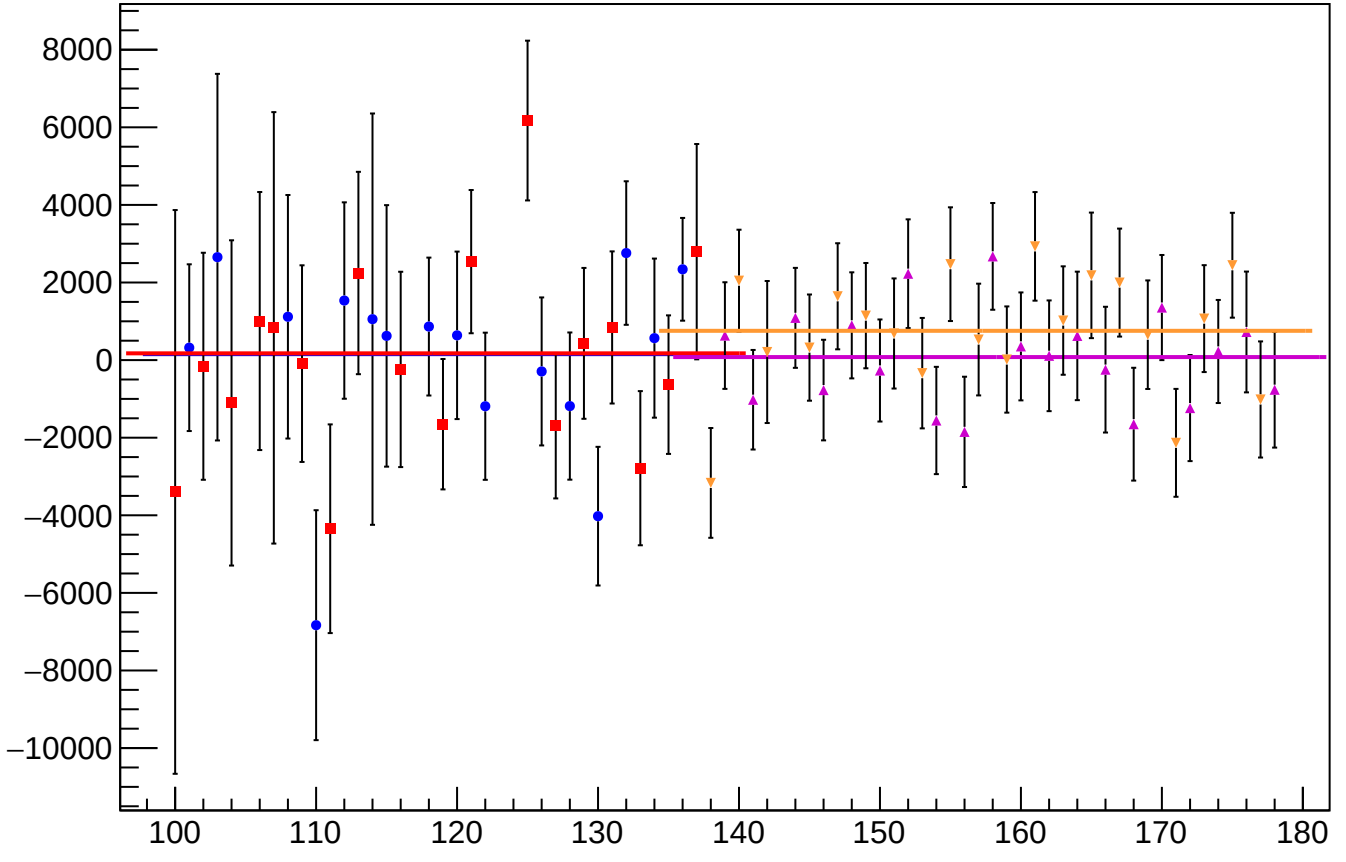
Left In: 547.543+/-0.097 χ^2/NDF:852165.6/19

+ sign 550.743+/-0.084 χ^2/NDF: 2367930.6/35

All: 550.992+/-0.059 χ^2/NDF: 5498852.8/73

- sign 551.238+/-0.083 χ^2/NDF: 3130904.5/37

asym_usl_atl1_dd_mean vs Slug



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: 754.812+/-317.328 χ^2/NDF:23.0/19

Right Out: 174.319+/-550.153 χ^2/NDF: 19.7/17

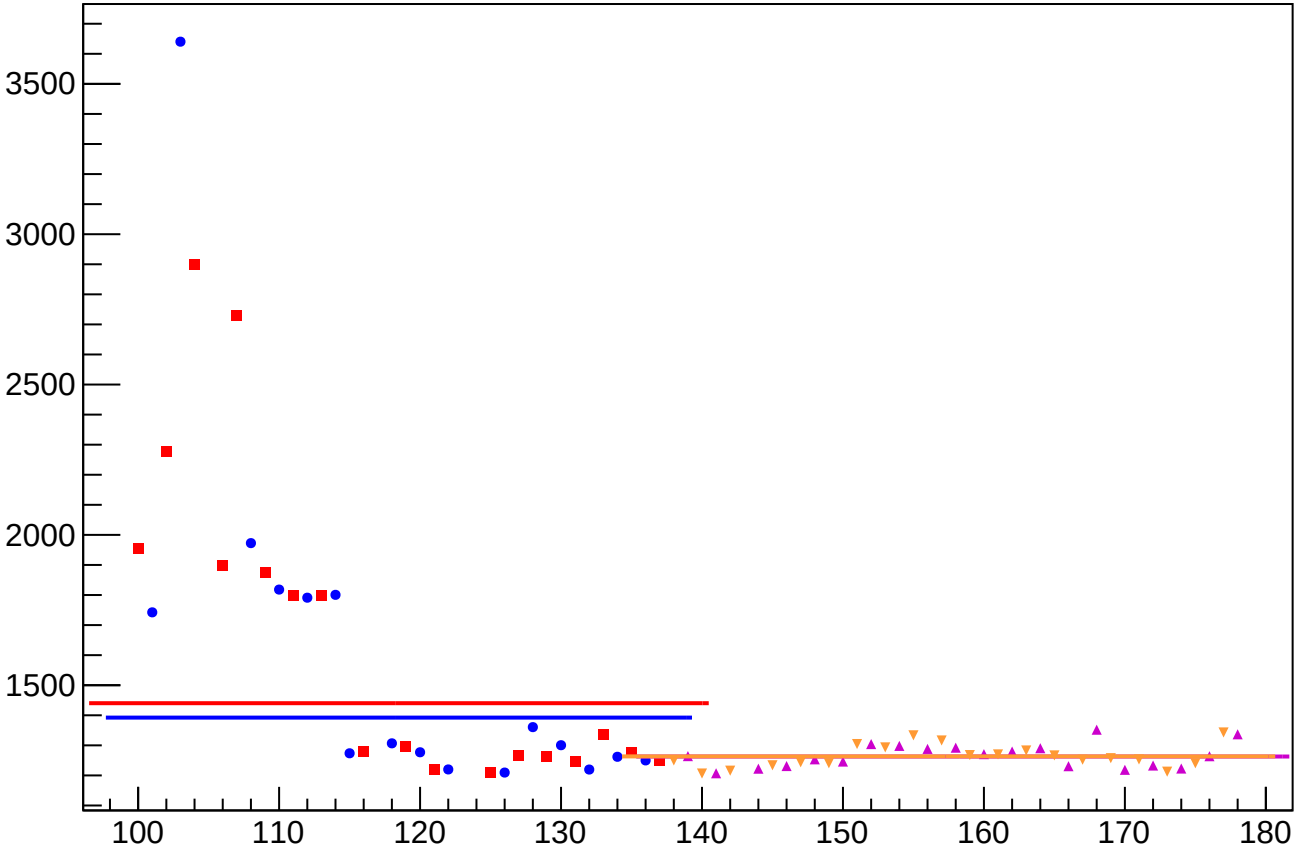
Left In: 78.121+/-312.532 χ^2/NDF:15.4/19

+ sign 597.023+/-272.542 χ^2/NDF: 41.7/35

All: 348.582+/-192.434 χ^2/NDF: 78.5/73

- sign 101.592+/-271.744 χ^2/NDF: 35.1/37

asym_usl_atl1_dd_rms vs Slug



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1263.287+/-0.224 χ^2/NDF:26740.4/19

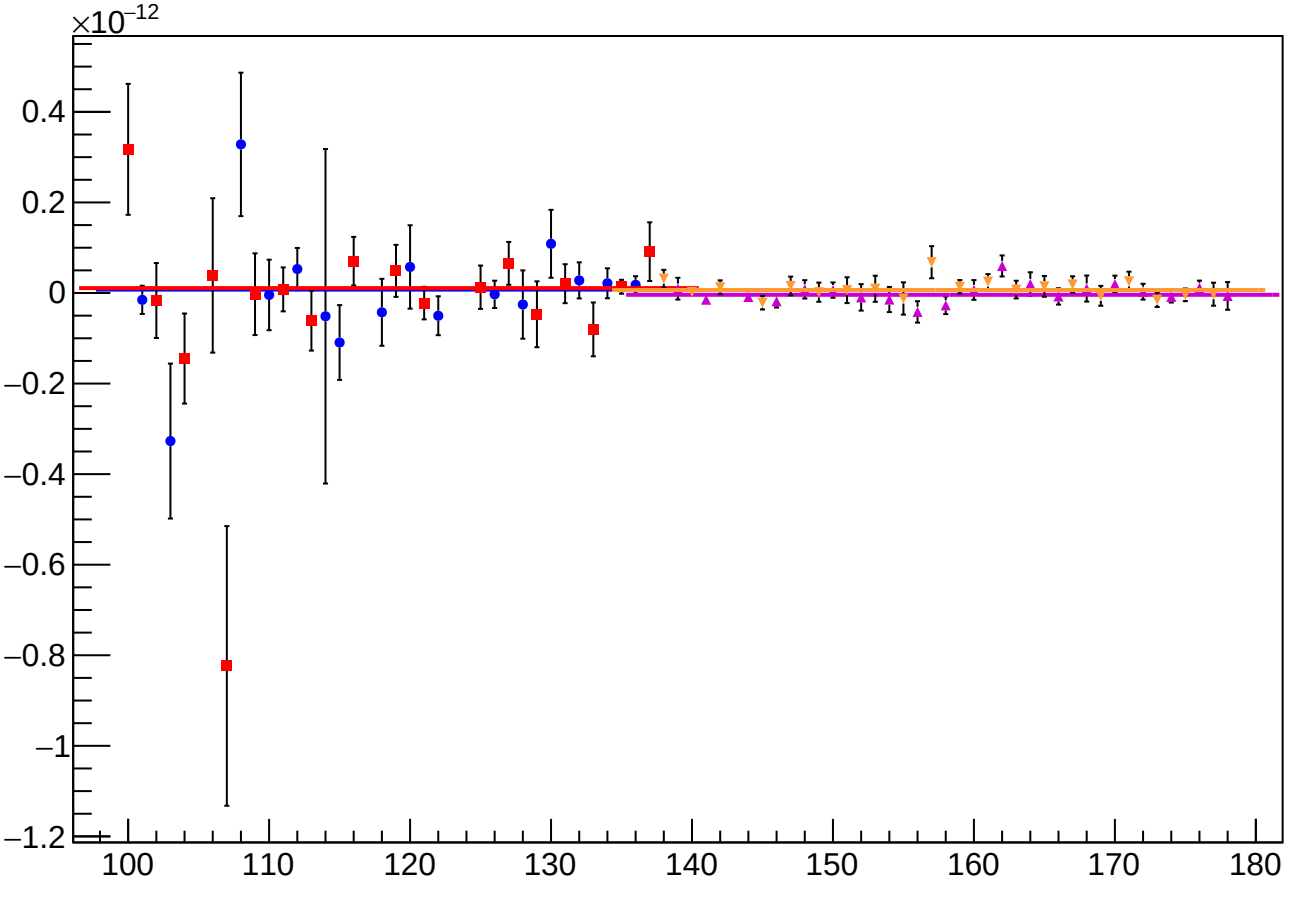
Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1262.860+/-0.221 χ^2/NDF:30979.8/19

+ sign 1297.133+/-0.193 χ^2/NDF: 892708.9/35

All: 1301.646+/-0.136 χ^2/NDF: 1936819.3/73

- sign 1306.133+/-0.192 χ^2/NDF: 1043016.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.7/19

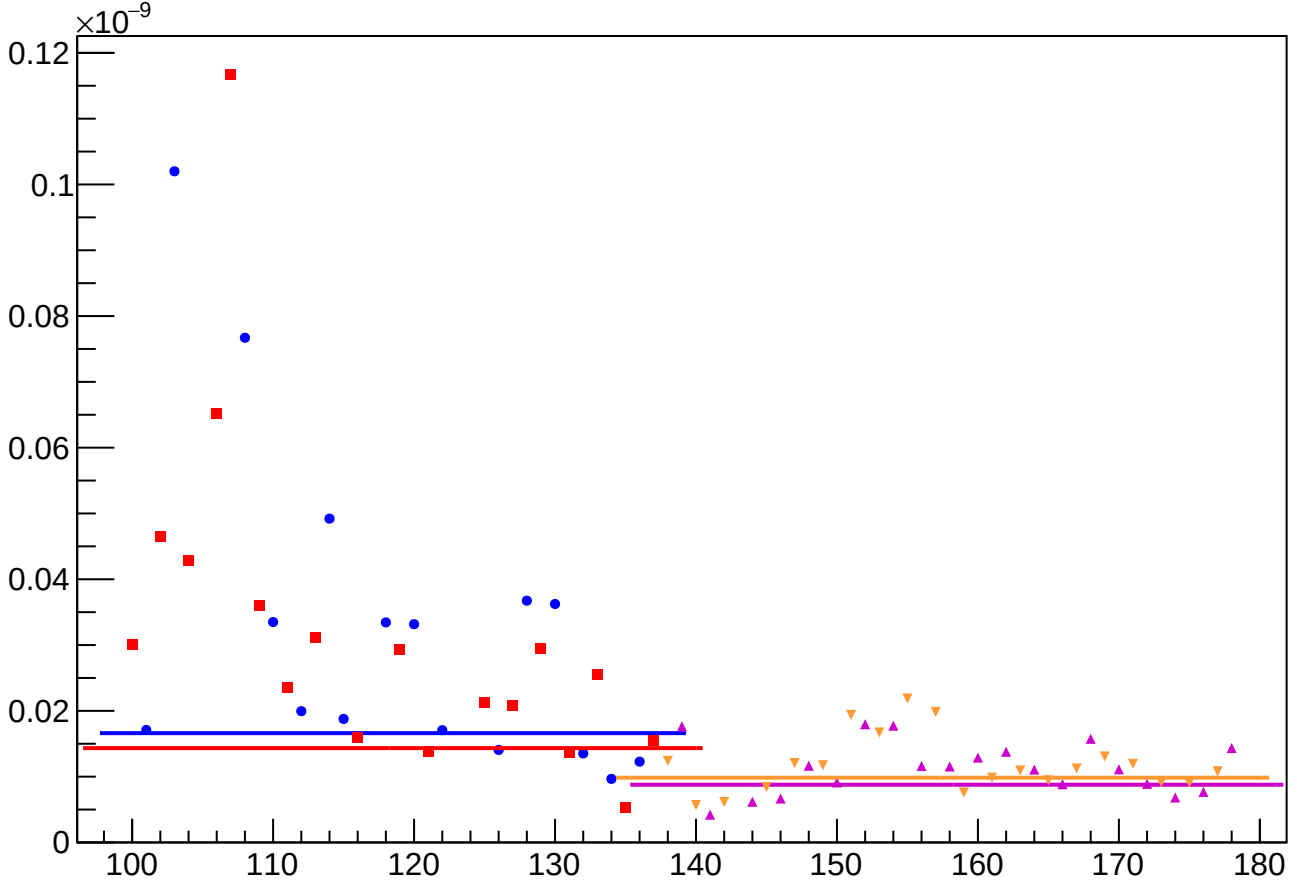
Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/17

Left In: -0.000+/-0.000 χ^2/NDF:19.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 31.6/35

All: 0.000+/-0.000 χ^2/NDF: 79.7/73

- sign -0.000+/-0.000 χ^2/NDF: 45.3/37



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1354903.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

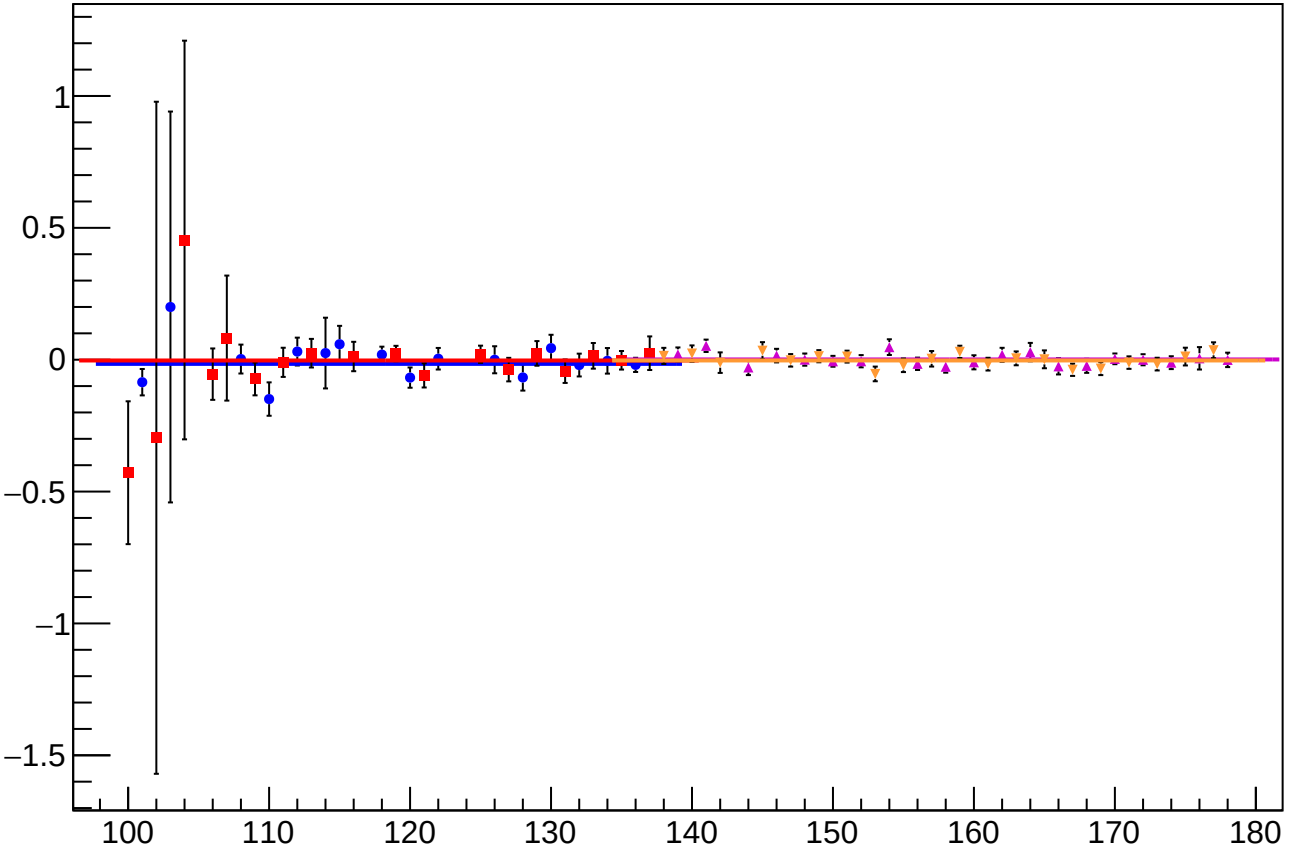
Left In: 0.000+/-0.000 χ^2/NDF:1880656.1/19

+ sign 0.000+/-0.000 χ^2/NDF: 3606623.5/35

All: 0.000+/-0.000 χ^2/NDF: 8347241.2/73

- sign 0.000+/-0.000 χ^2/NDF: 4625398.5/37

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: -0.003+/-0.006 χ^2/NDF:15.8/19

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

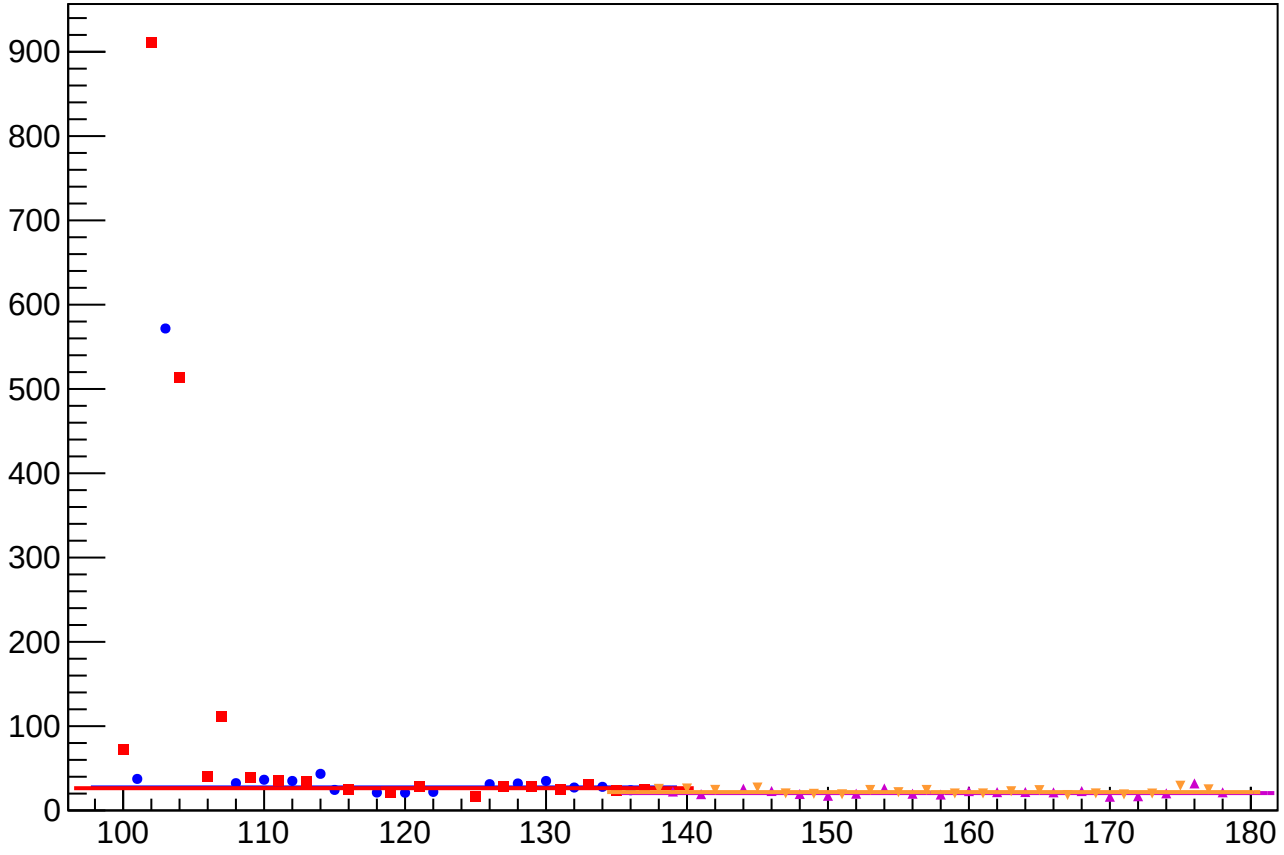
Left In: 0.001+/-0.006 χ^2/NDF:14.5/19

+ sign -0.006+/-0.005 χ^2/NDF: 31.4/35

All: -0.003+/-0.004 χ^2/NDF: 56.5/73

- sign 0.000+/-0.005 χ^2/NDF: 24.5/37

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: 21.784+/-0.004 χ^2/NDF:461183.9/19

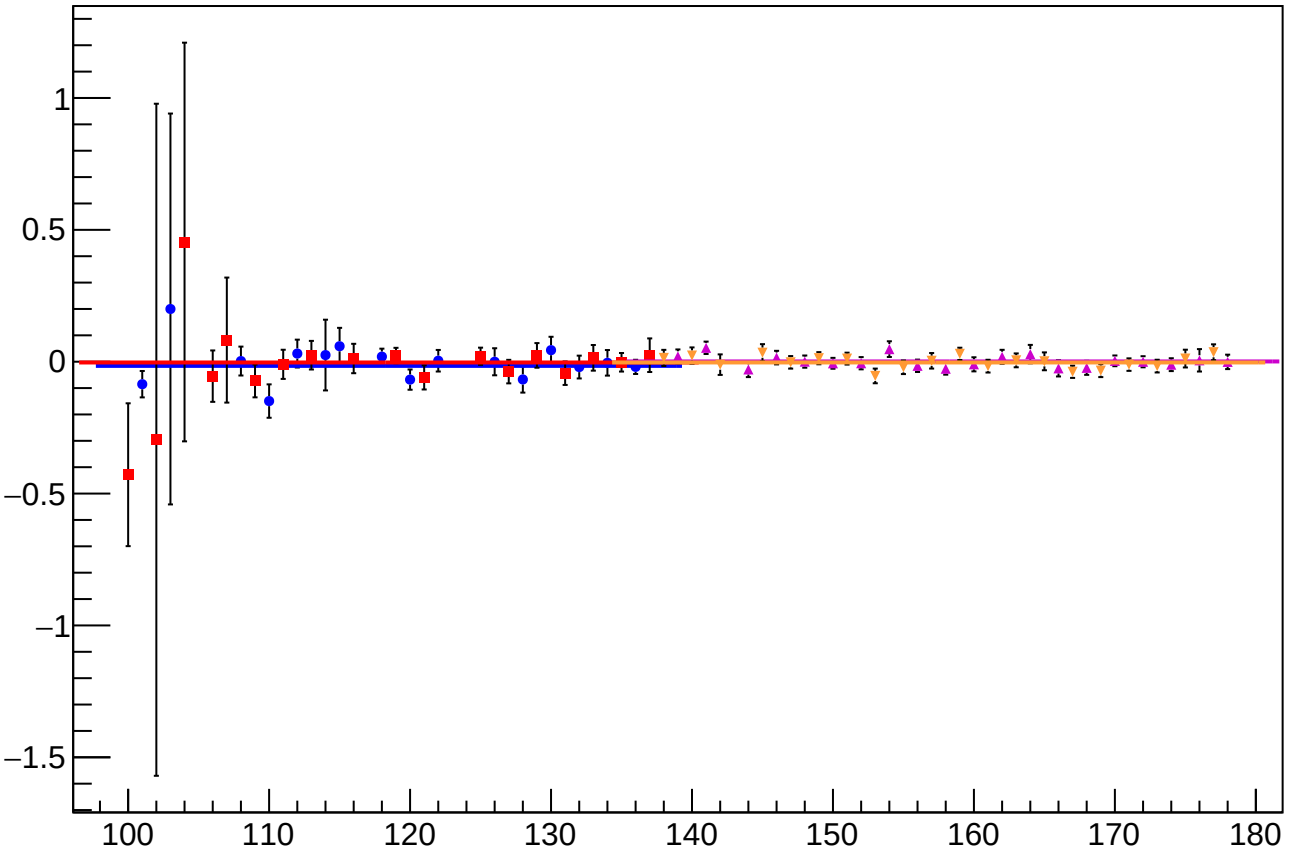
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.603+/-0.004 χ^2/NDF:574136.4/19

+ sign 22.944+/-0.004 χ^2/NDF: 2389892.2/35

All: 22.276+/-0.003 χ^2/NDF: 6021028.5/73

- sign 21.653+/-0.004 χ^2/NDF: 3569662.6/37



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.003+/-0.006 χ^2/NDF:15.8/19

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

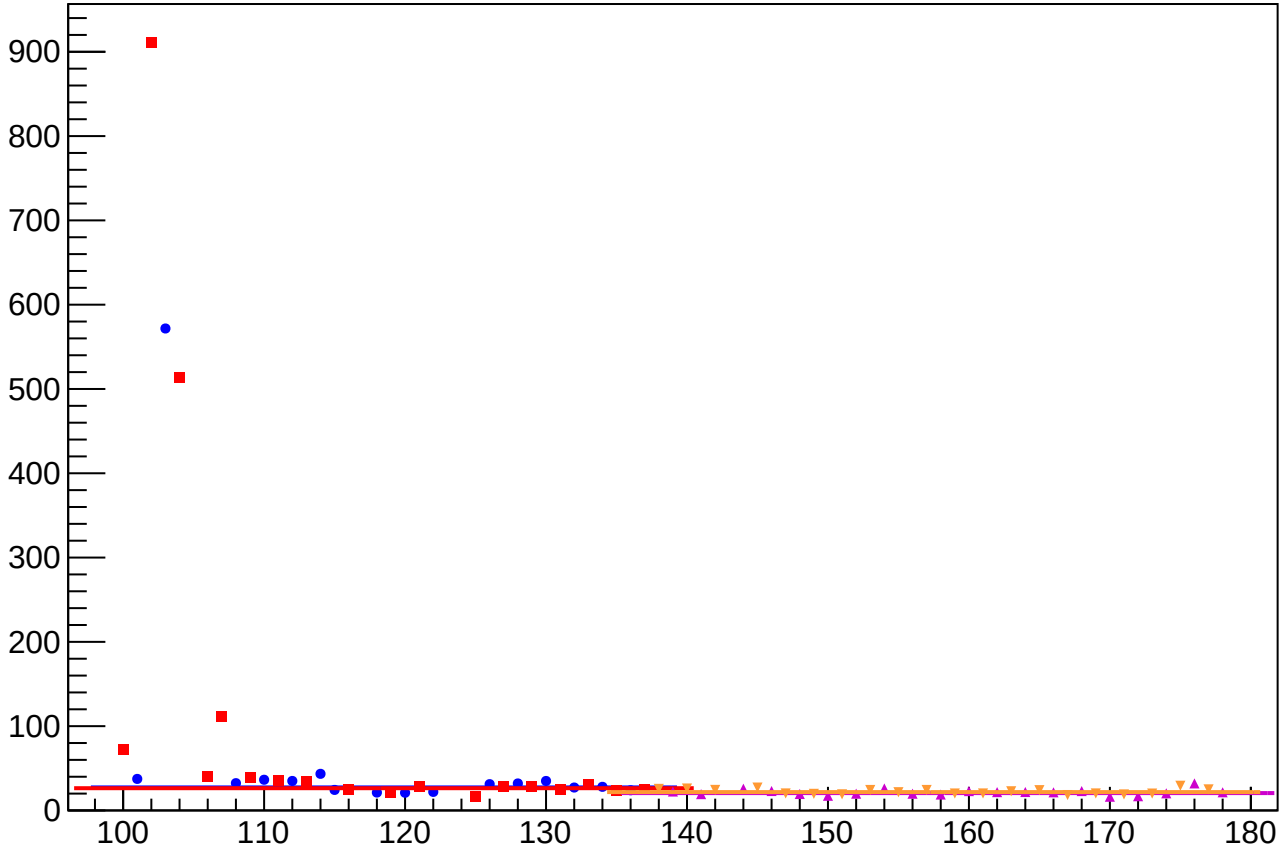
Left In: 0.001+/-0.006 χ^2/NDF:14.5/19

+ sign -0.006+/-0.005 χ^2/NDF: 31.4/35

All: -0.003+/-0.004 χ^2/NDF: 56.5/73

- sign 0.000+/-0.005 χ^2/NDF: 24.5/37

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: 21.784+/-0.004 χ^2/NDF:461183.9/19

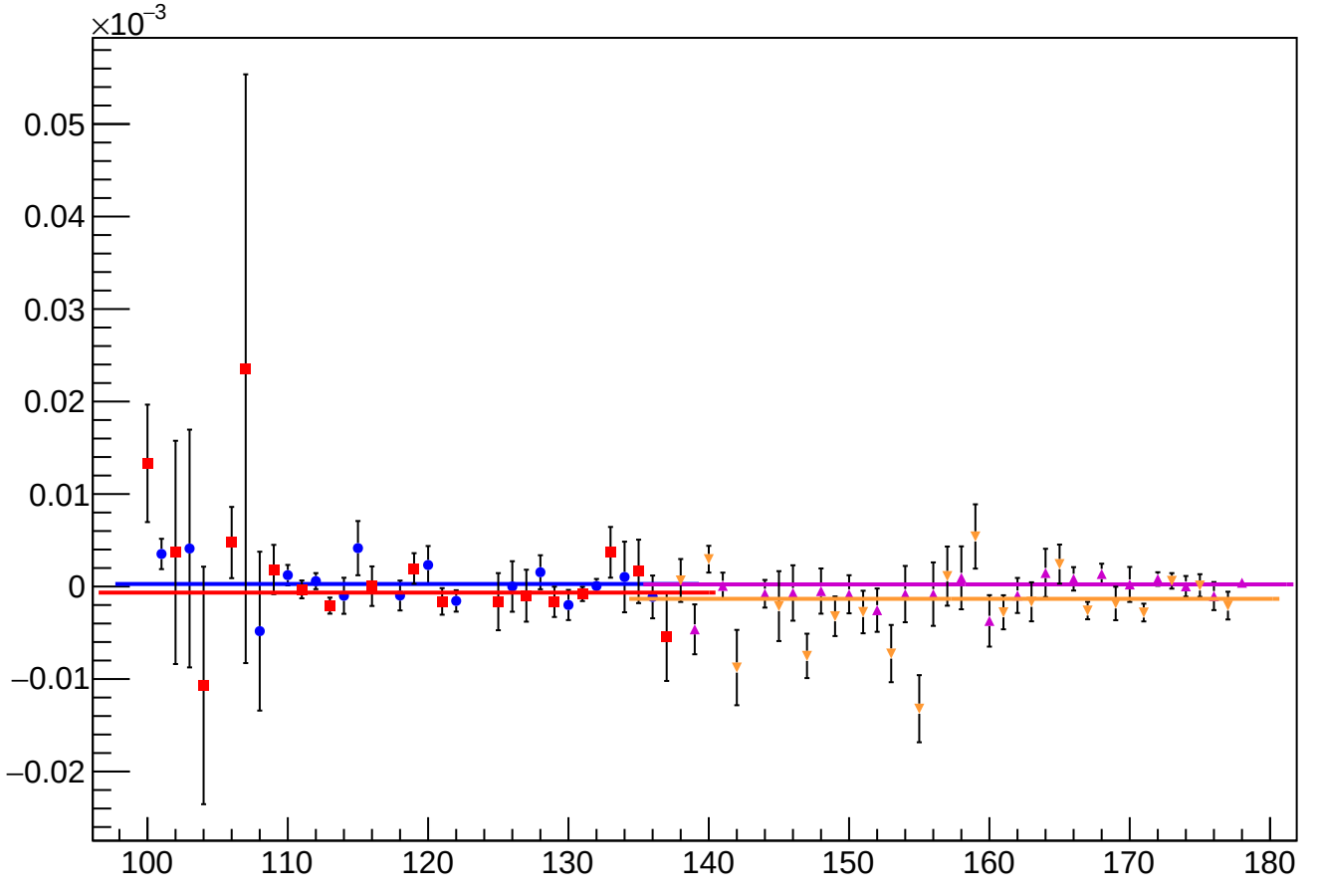
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.603+/-0.004 χ^2/NDF:574136.4/19

+ sign 22.944+/-0.004 χ^2/NDF: 2389892.2/35

All: 22.276+/-0.003 χ^2/NDF: 6021028.5/73

- sign 21.653+/-0.004 χ^2/NDF: 3569662.6/37



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:54.5/19

Right Out: -0.000+/-0.000 χ^2/NDF: 19.3/17

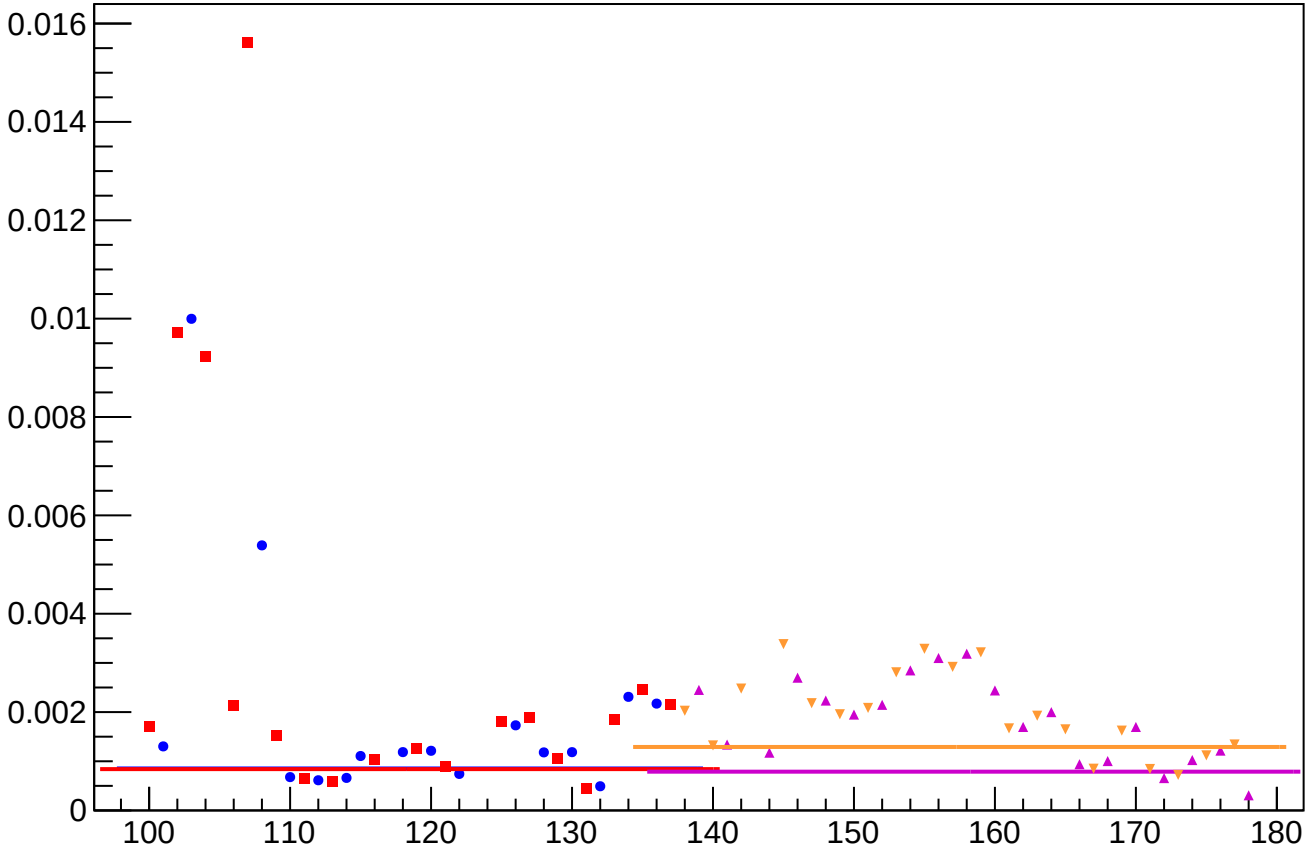
Left In: 0.000+/-0.000 χ^2/NDF:11.3/19

+ sign -0.000+/-0.000 χ^2/NDF: 78.3/35

All: -0.000+/-0.000 χ^2/NDF: 114.7/73

- sign -0.000+/-0.000 χ^2/NDF: 34.1/37

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: 0.001+/-0.000 χ^2/NDF:6135649.6/19

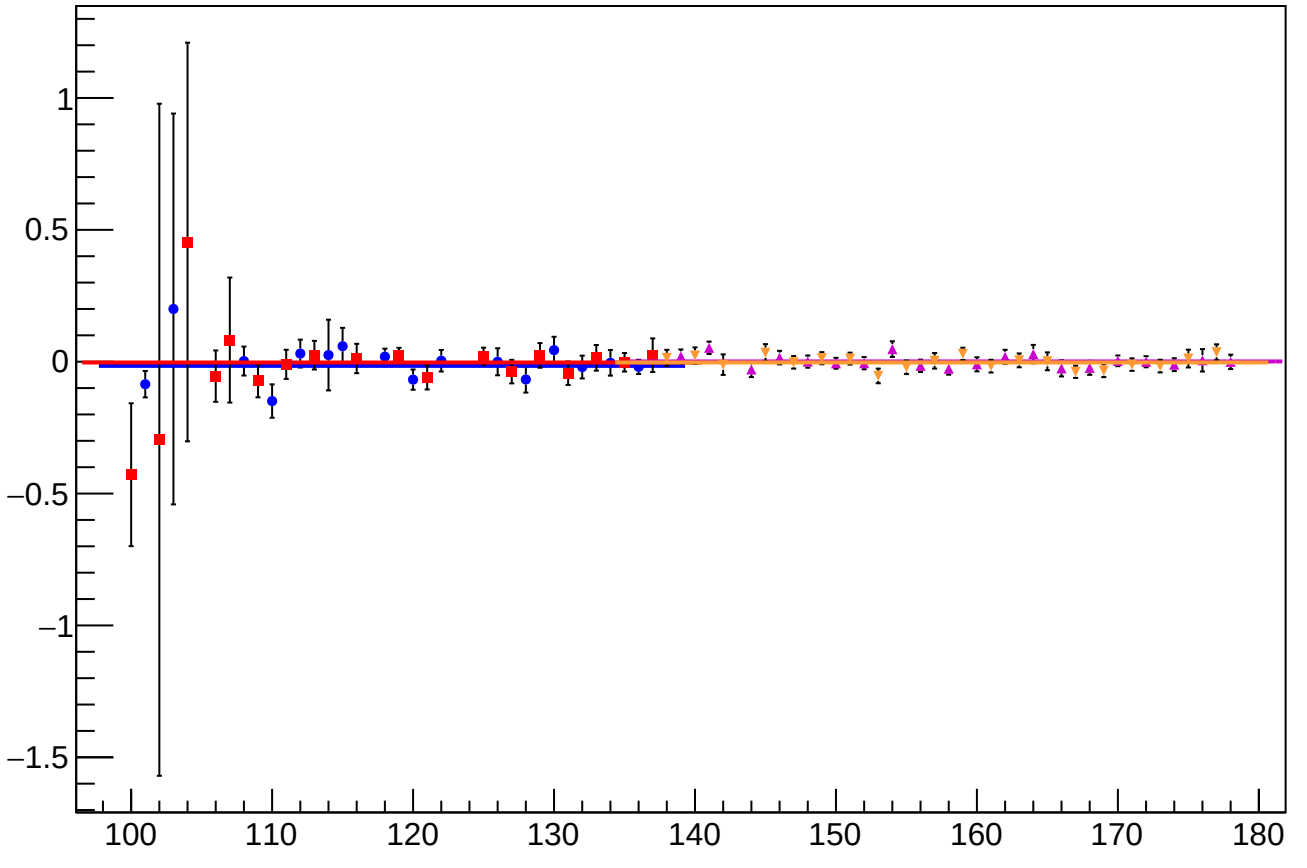
Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.001+/-0.000 χ^2/NDF:12743117.2/19

+ sign 0.001+/-0.000 χ^2/NDF: 11395474.8/35

All: 0.001+/-0.000 χ^2/NDF: 30510111.7/73

- sign 0.001+/-0.000 χ^2/NDF: 17806458.0/37



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.003+/-0.006 χ^2/NDF:15.8/19

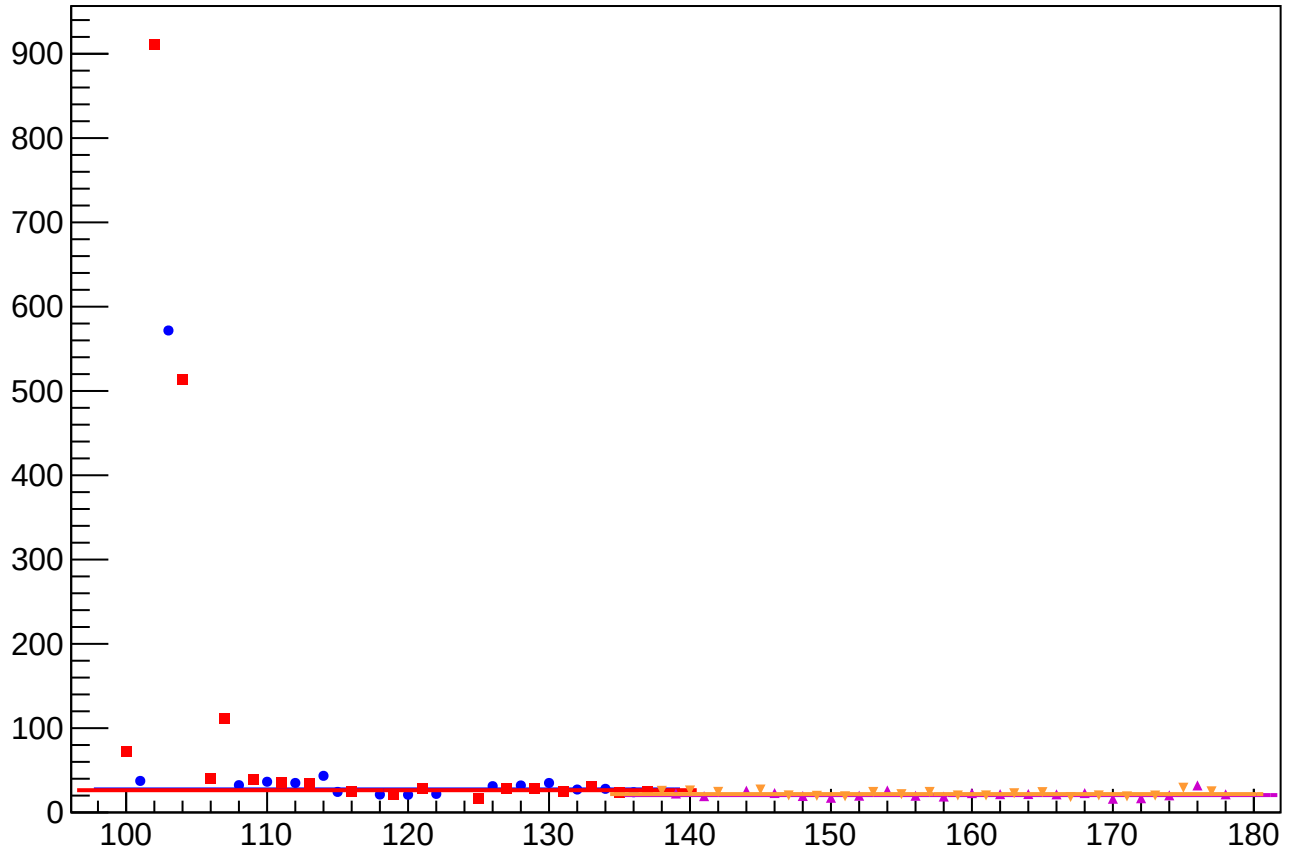
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: 0.001+/-0.006 χ^2/NDF:14.5/19

+ sign -0.006+/-0.005 χ^2/NDF: 31.4/35

All: -0.003+/-0.004 χ^2/NDF: 56.5/73

- sign 0.000+/-0.005 χ^2/NDF: 24.5/37



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 21.784+/-0.004 χ^2/NDF:461154.7/19

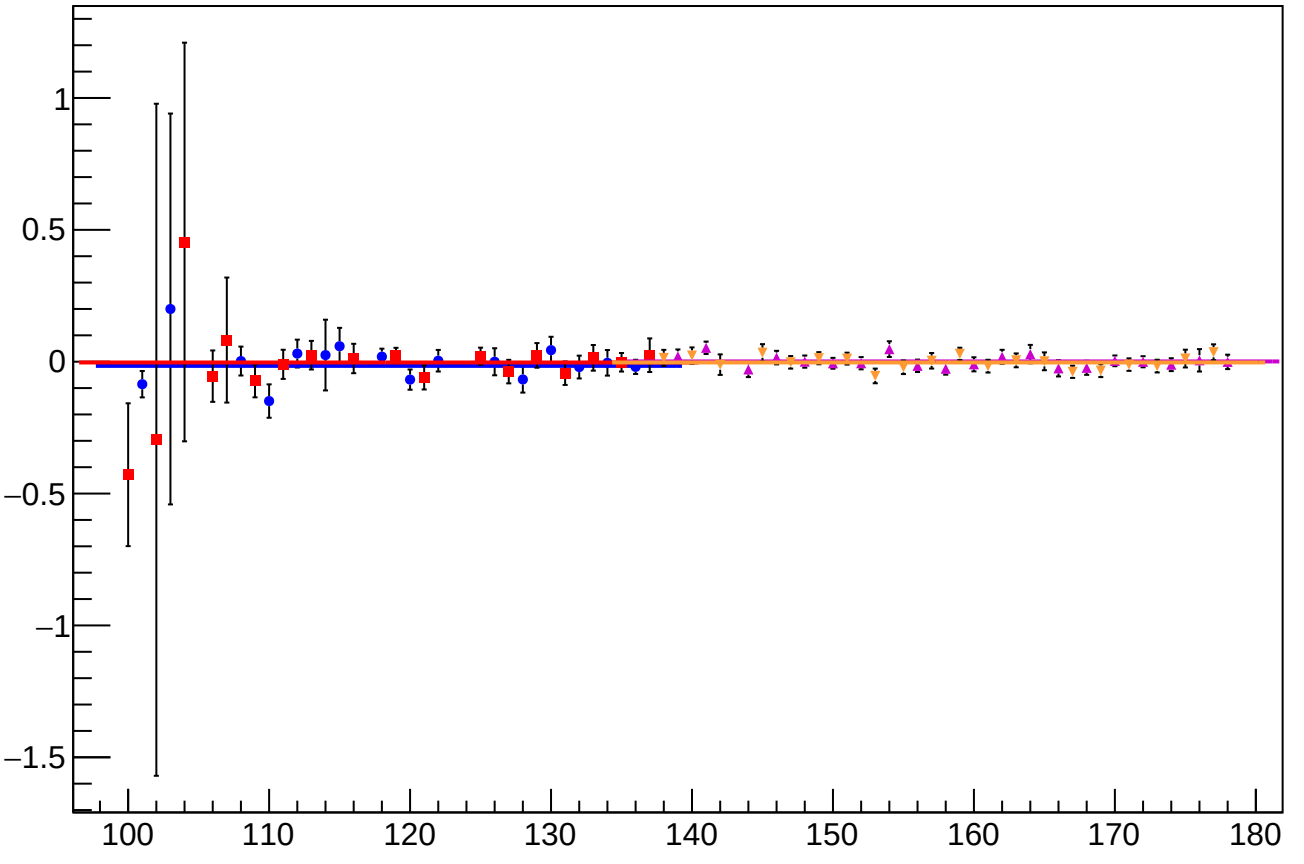
Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.603+/-0.004 χ^2/NDF:574151.9/19

\+ sign 22.944+/-0.004 χ^2/NDF: 2389864.7/35

All: 22.276+/-0.003 χ^2/NDF: 6021036.5/73

\- sign 21.653+/-0.004 χ^2/NDF: 3569699.6/37



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.003+/-0.006 χ^2/NDF:15.8/19

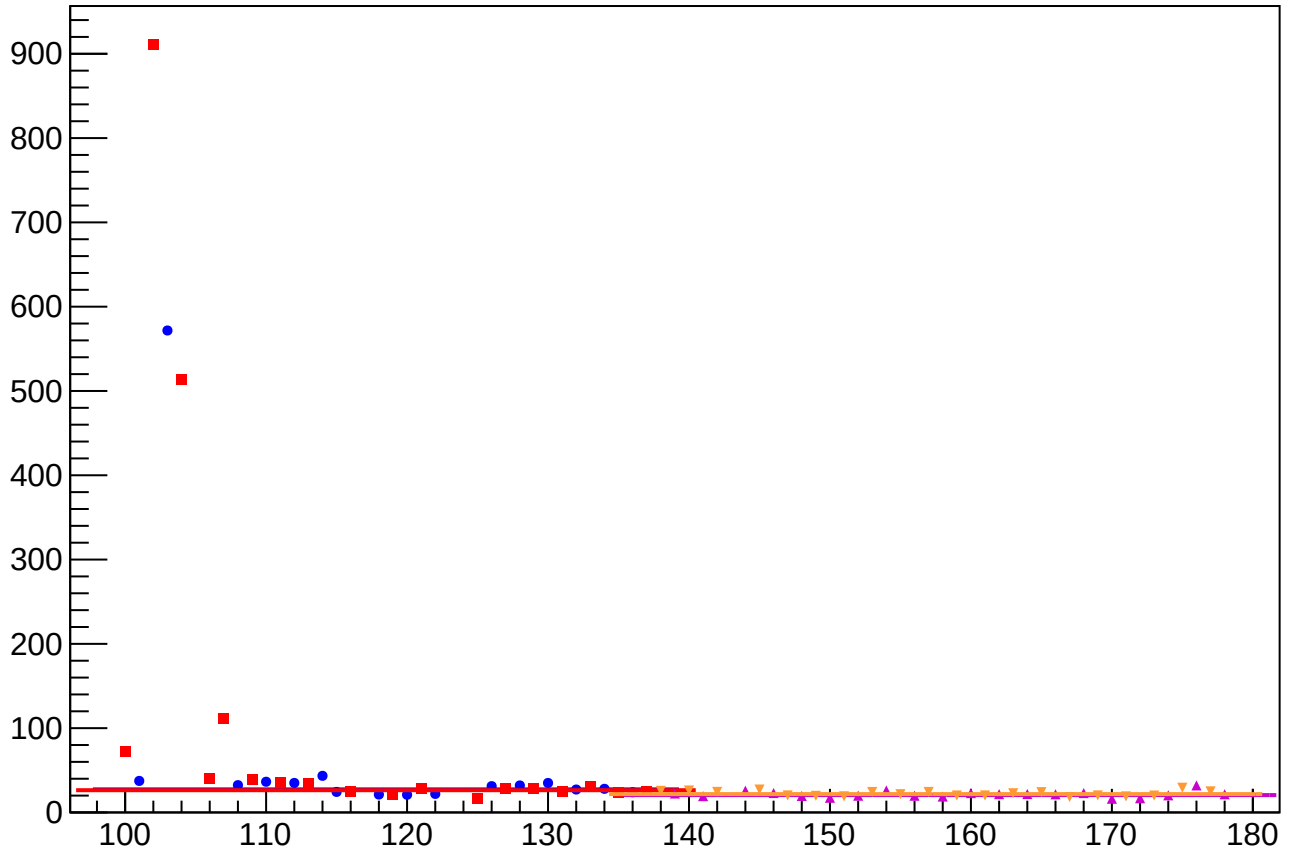
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: 0.001+/-0.006 χ^2/NDF:14.5/19

+ sign -0.006+/-0.005 χ^2/NDF: 31.4/35

All: -0.003+/-0.004 χ^2/NDF: 56.5/73

- sign 0.000+/-0.005 χ^2/NDF: 24.5/37



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 21.784+/-0.004 χ^2/NDF:461154.7/19

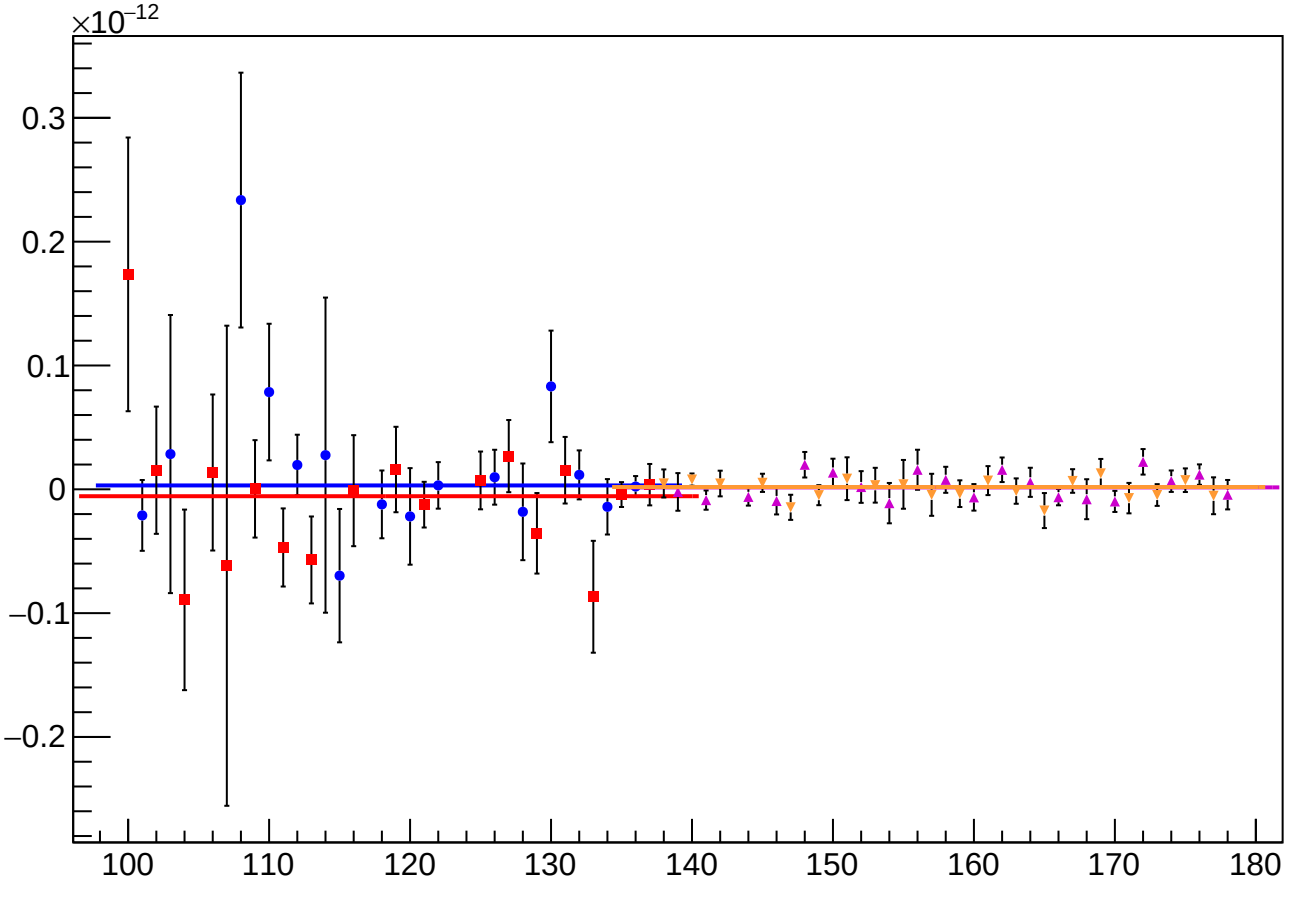
Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.603+/-0.004 χ^2/NDF:574151.9/19

+ sign 22.944+/-0.004 χ^2/NDF: 2389864.7/35

All: 22.276+/-0.003 χ^2/NDF: 6021036.5/73

- sign 21.653+/-0.004 χ^2/NDF: 3569699.6/37



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

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/19

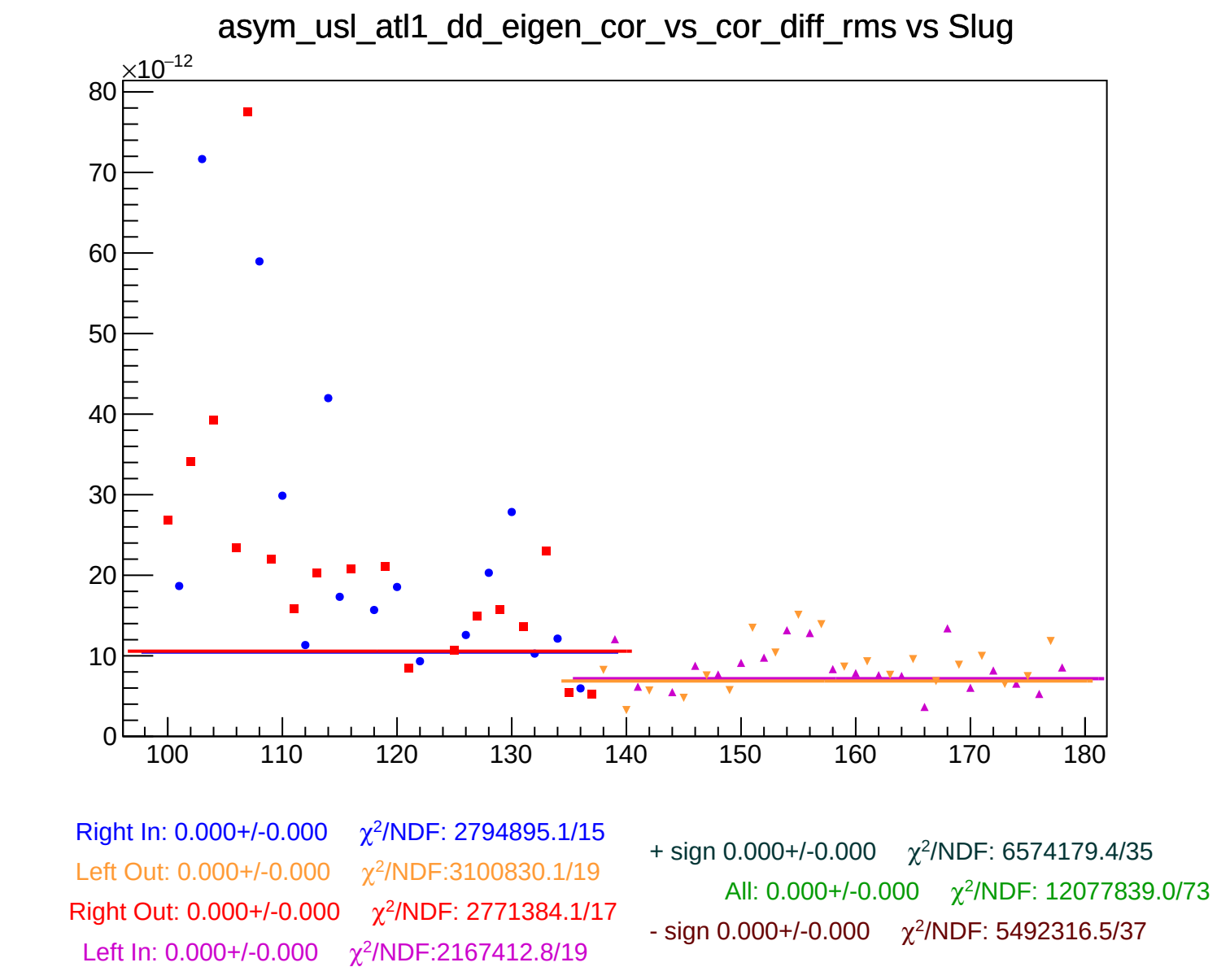
Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: 0.000+/-0.000 χ^2/NDF:22.5/19

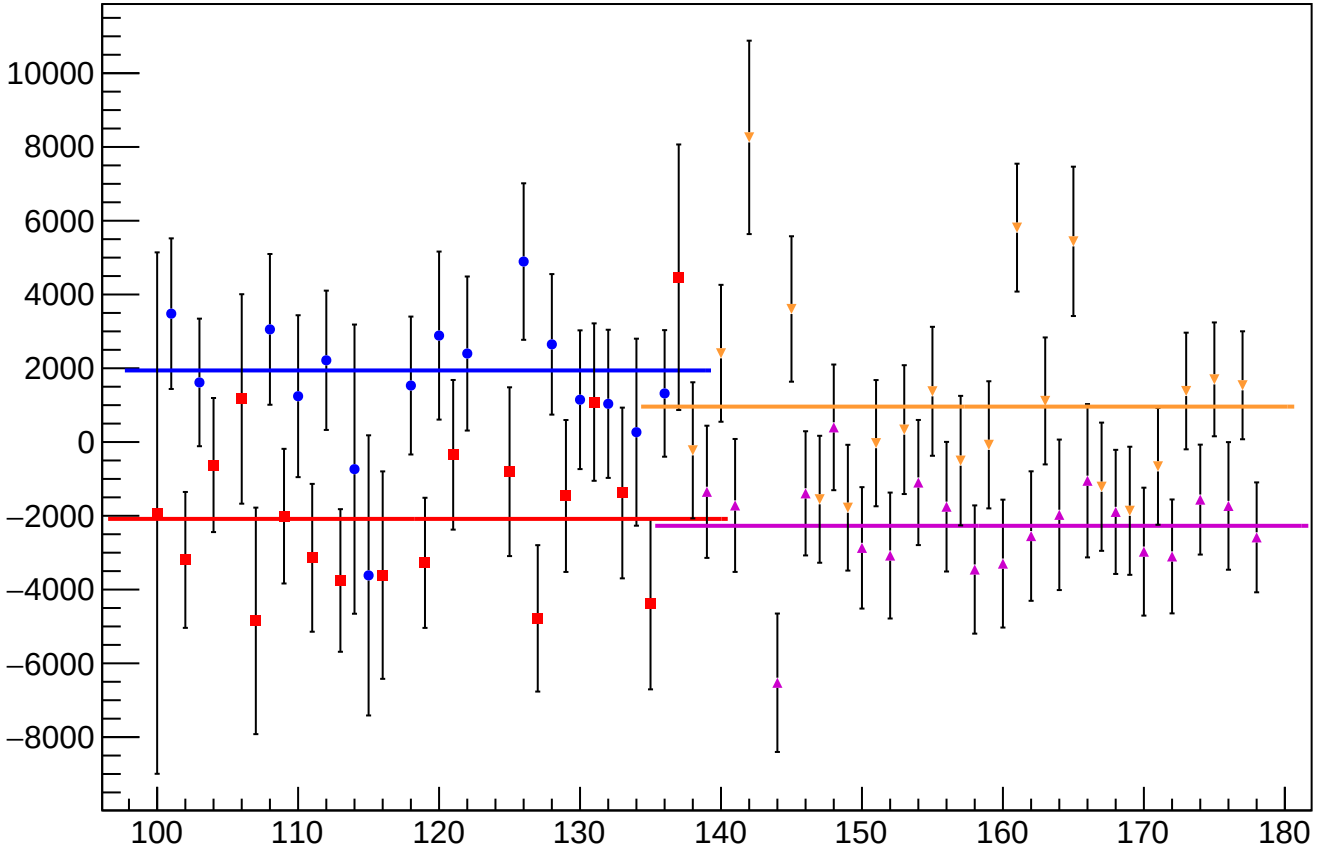
+ sign 0.000+/-0.000 χ^2/NDF: 25.6/35

All: 0.000+/-0.000 χ^2/NDF: 64.8/73

- sign 0.000+/-0.000 χ^2/NDF: 38.9/37


asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2794895.1/15
Left Out: 0.000+/-0.000 χ²/NDF:3100830.1/19
Right Out: 0.000+/-0.000 χ²/NDF: 2771384.1/17
Left In: 0.000+/-0.000 χ²/NDF:2167412.8/19
+ sign 0.000+/-0.000 χ²/NDF: 6574179.4/35
All: 0.000+/-0.000 χ²/NDF: 12077839.0/73
- sign 0.000+/-0.000 χ²/NDF: 5492316.5/37

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 960.401+/-389.613 χ^2/NDF:35.3/19

Right Out: -2083.952+/-519.583 χ^2/NDF: 14.5/17

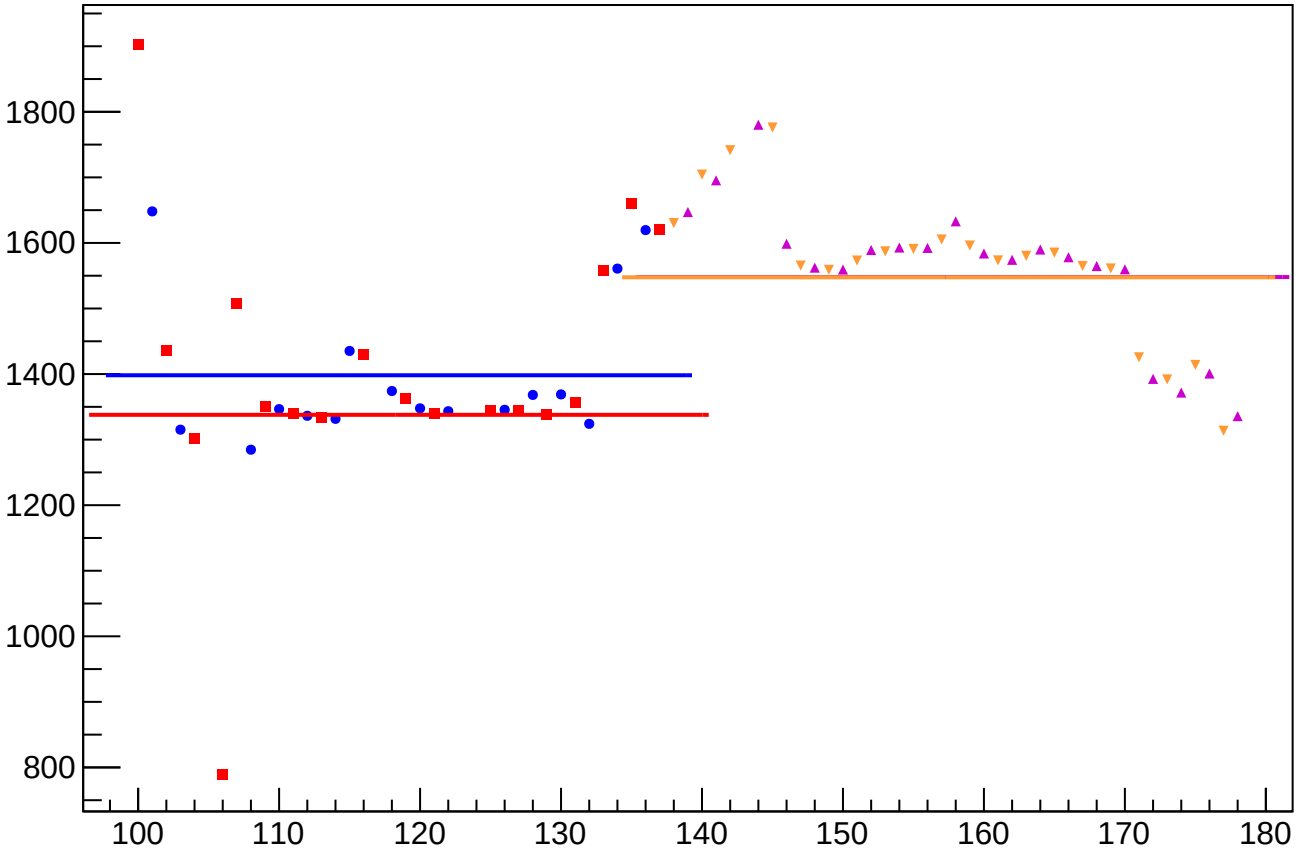
Left In: -2271.382+/-383.935 χ^2/NDF:11.2/19

+ sign 1311.078+/-312.269 χ^2/NDF: 44.5/35

All: -466.798+/-219.564 χ^2/NDF: 134.4/73

- sign -2205.186+/-308.781 χ^2/NDF: 25.8/37

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1547.625+/-0.275 χ^2/NDF:162394.8/19

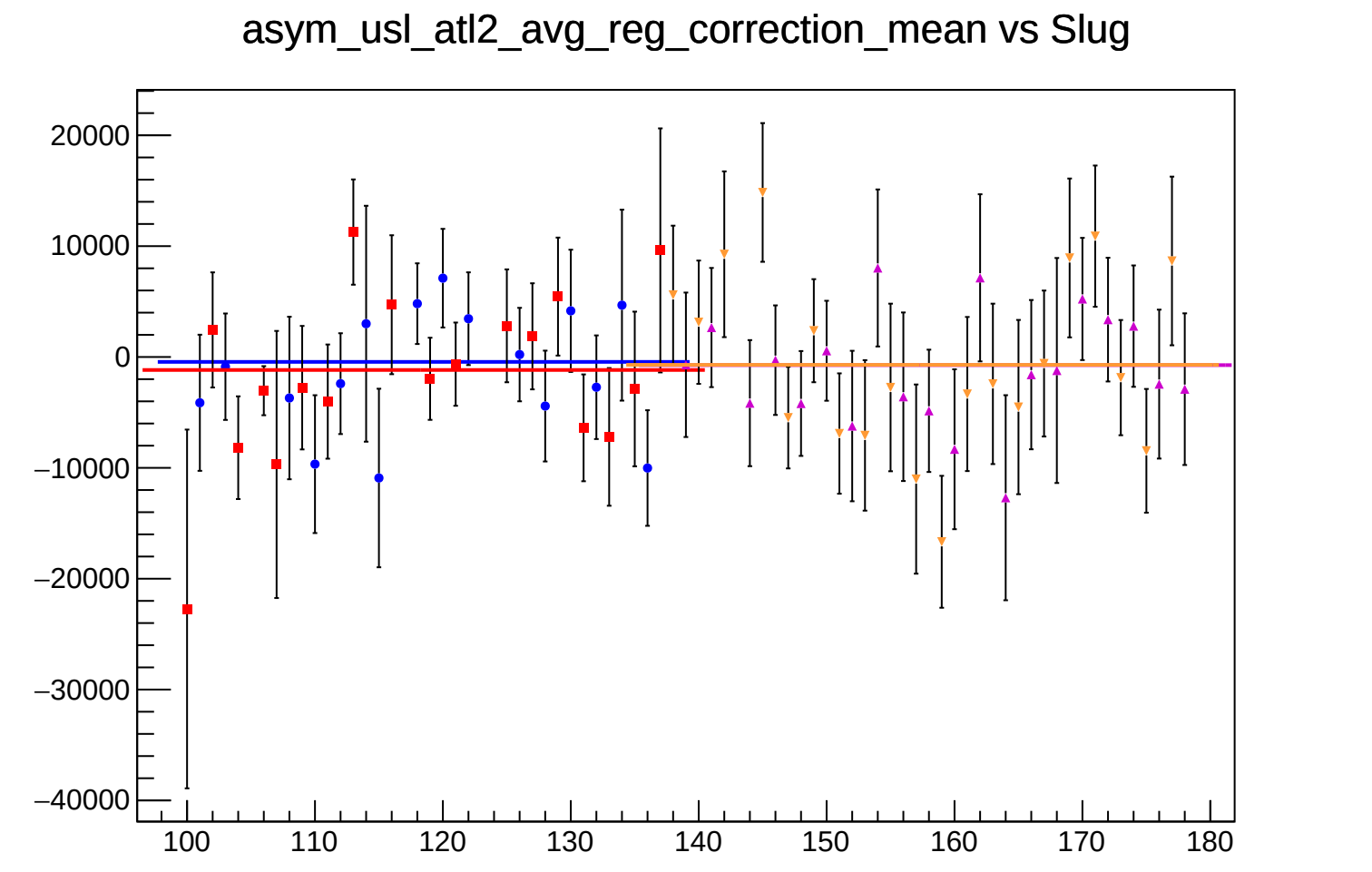
Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1547.988+/-0.271 χ^2/NDF:166972.4/19

+ sign 1494.173+/-0.221 χ^2/NDF: 361579.0/35

All: 1482.161+/-0.154 χ^2/NDF: 1072546.4/73

- sign 1470.681+/-0.216 χ^2/NDF: 705179.5/37



Right In: -441.138+/-1295.916 χ^2/NDF: 15.9/15

Left Out: -709.817+/-1386.625 χ^2/NDF:31.0/19

Right Out: -1171.548+/-1119.890 χ^2/NDF: 19.7/17

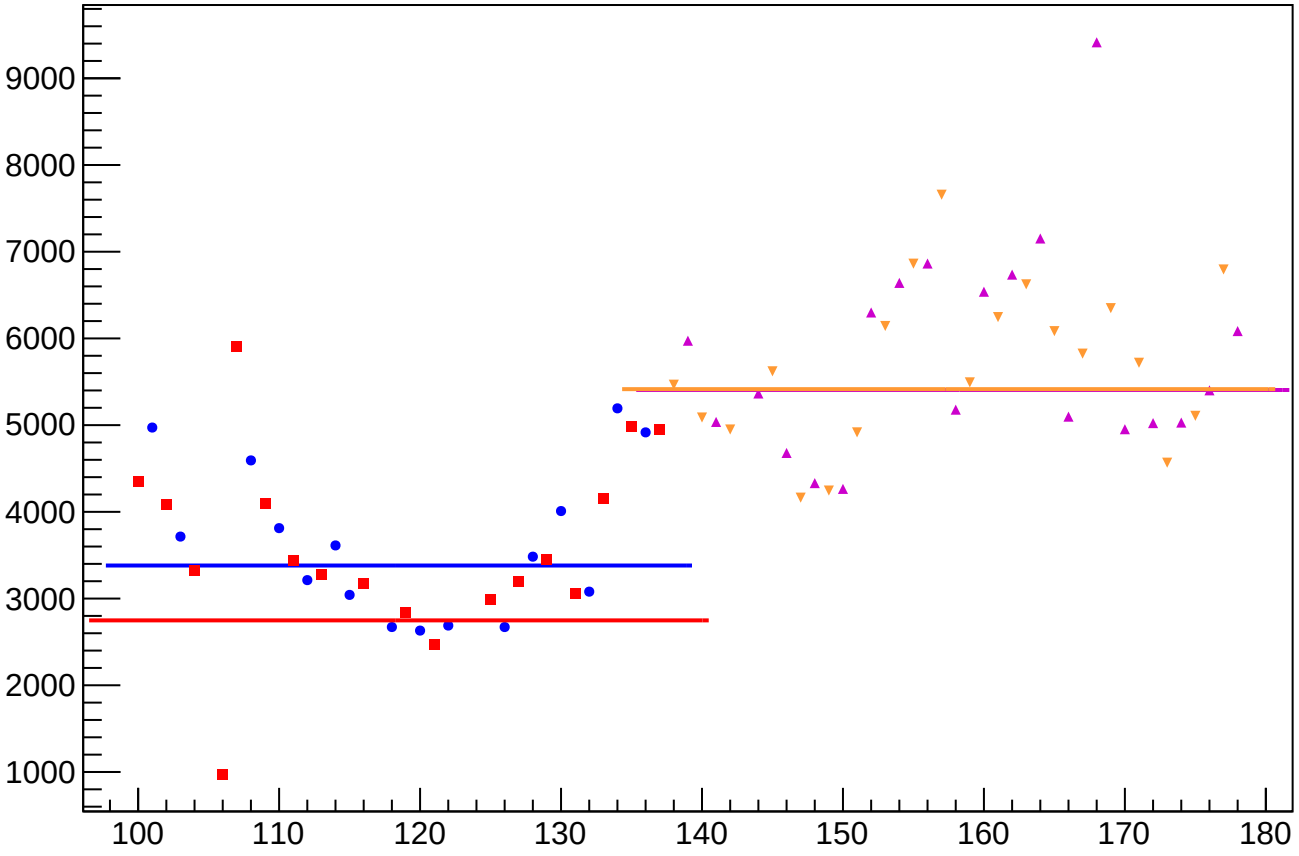
Left In: -732.520+/-1363.378 χ^2/NDF:10.5/19

\+ sign -566.402+/-946.796 χ^2/NDF: 46.9/35

All: -799.740+/-638.762 χ^2/NDF: 77.2/73

\- sign -994.671+/-865.377 χ^2/NDF: 30.2/37

asym_usl_atl2_avg_reg_correction_rms vs Slug



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 5415.042+/-0.980 χ^2/NDF:814788.8/19

Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

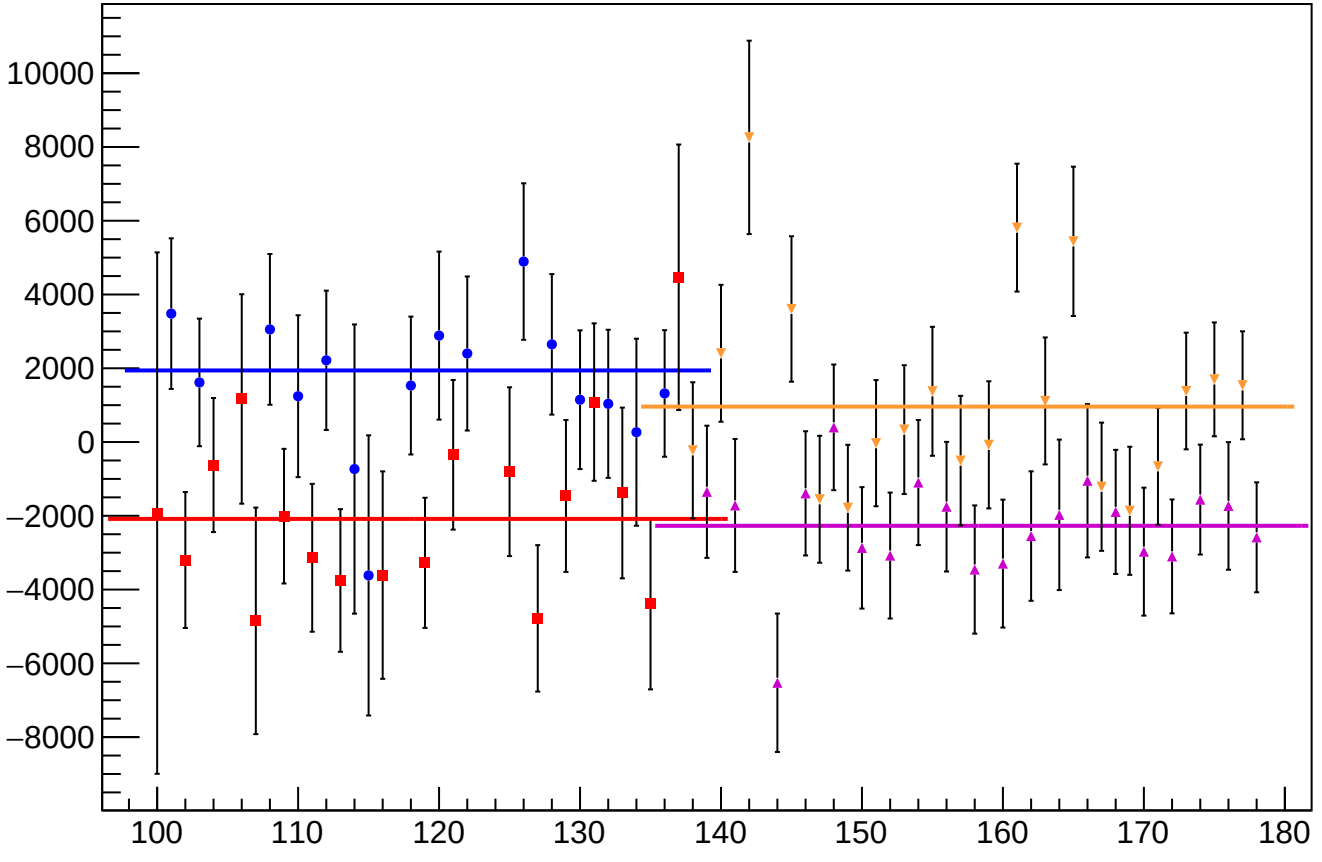
Left In: 5405.224+/-0.964 χ^2/NDF:1022979.3/19

+ sign 4329.382+/-0.669 χ^2/NDF: 3868828.2/35

All: 4051.181+/-0.452 χ^2/NDF: 12008461.3/7

- sign 3818.770+/-0.612 χ^2/NDF: 7822700.7/37

cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 960.396+/-389.613 χ^2/NDF:35.3/19

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

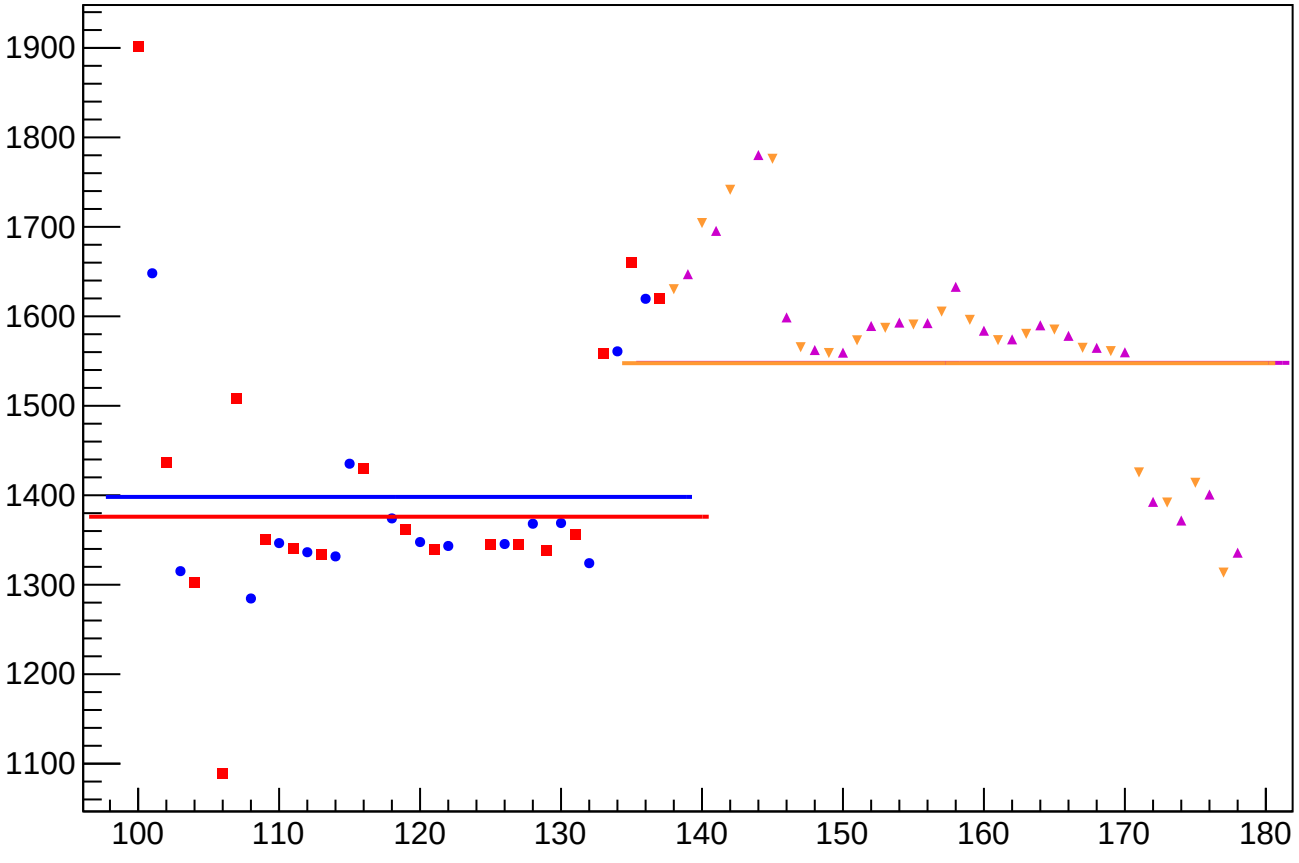
Left In: -2271.383+/-383.935 χ^2/NDF:11.2/19

+ sign 1311.094+/-312.269 χ^2/NDF: 44.5/35

All: -466.825+/-219.564 χ^2/NDF: 134.4/73

- sign -2205.263+/-308.782 χ^2/NDF: 25.8/37

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1547.626+/-0.275 χ^2/NDF:162394.8/19

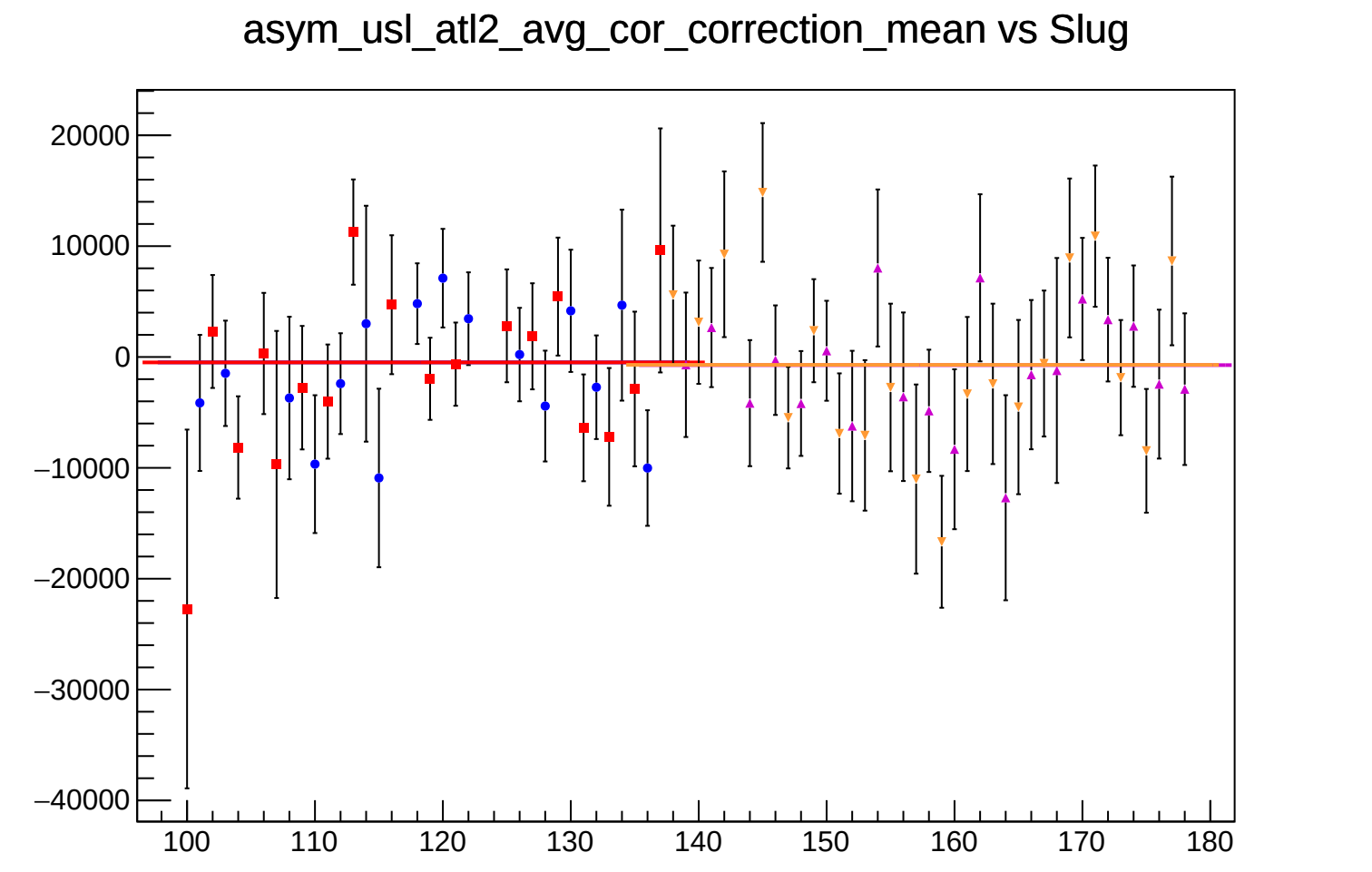
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1547.988+/-0.271 χ^2/NDF:166972.4/19

+ sign 1494.173+/-0.221 χ^2/NDF: 361579.2/35

All: 1490.122+/-0.155 χ^2/NDF: 787417.2/73

- sign 1486.198+/-0.217 χ^2/NDF: 425175.4/37



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -709.839+/-1386.626 χ^2/NDF:31.0/19

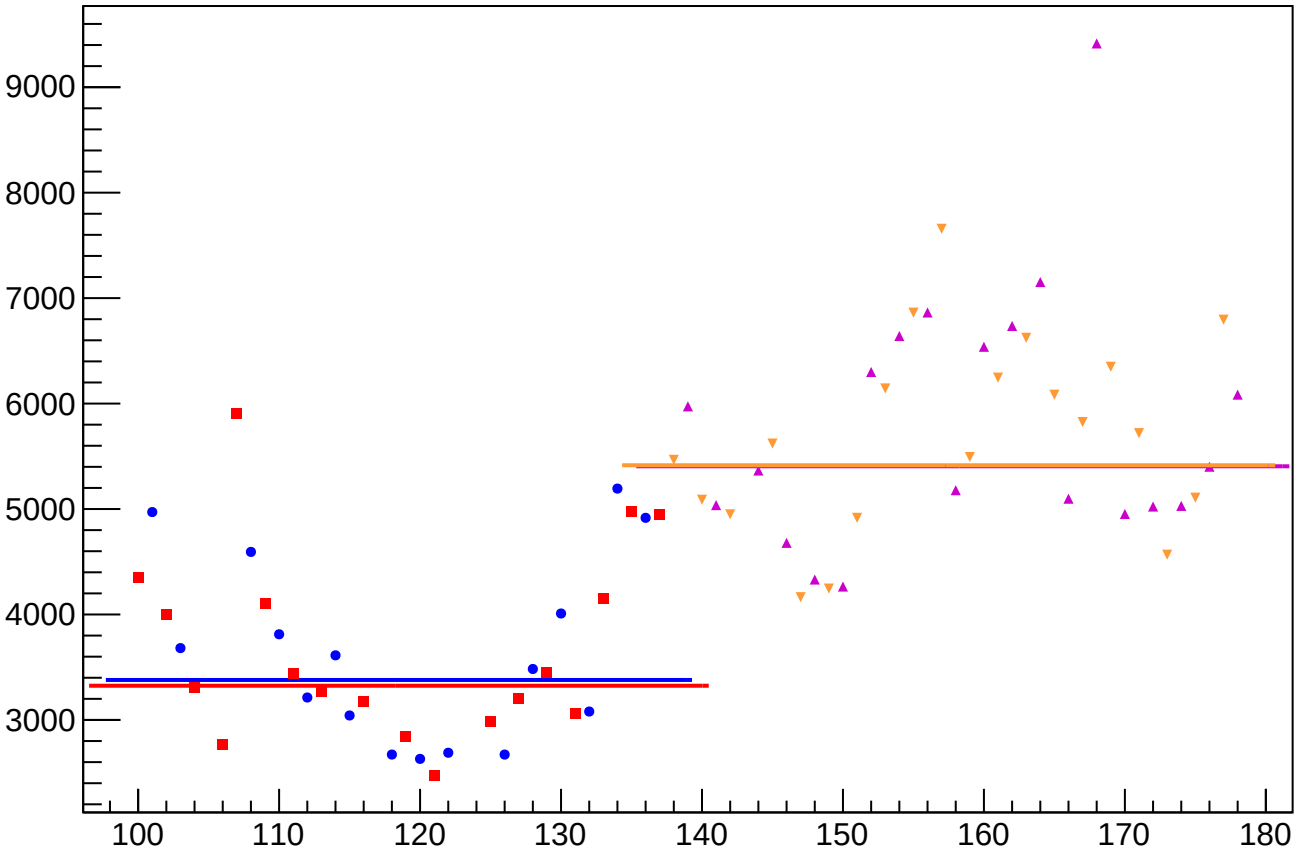
Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: -732.609+/-1363.377 χ^2/NDF:10.5/19

\+ sign -590.575+/-946.412 χ^2/NDF: 46.9/35

All: -595.967+/-661.830 χ^2/NDF: 76.1/73

\- sign -601.127+/-925.866 χ^2/NDF: 29.2/37



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5415.046+/-0.980 χ^2/NDF:814785.3/19

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

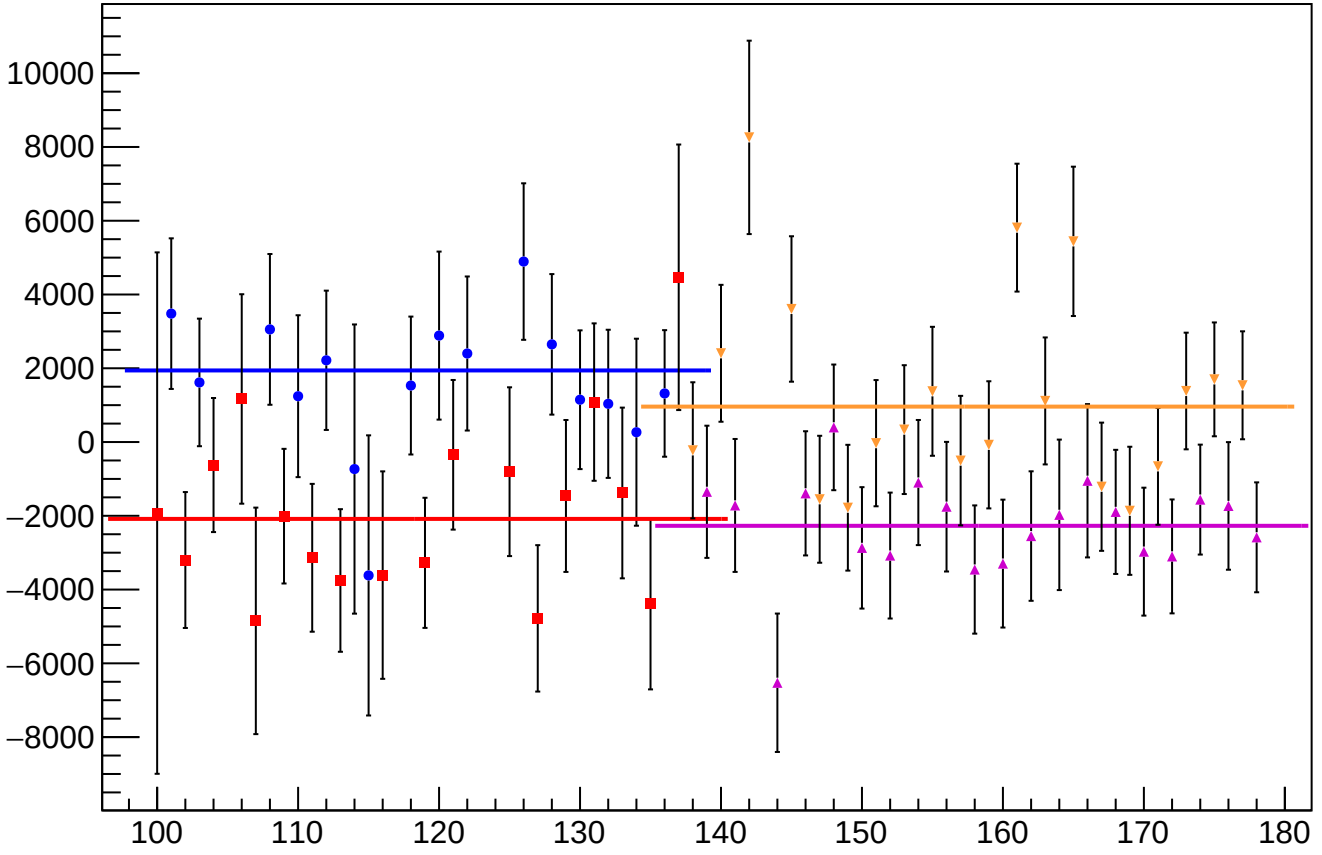
Left In: 5405.219+/-0.964 χ^2/NDF:1022987.7/19

+ sign 4327.541+/-0.669 χ^2/NDF: 3873194.2/35

All: 4305.316+/-0.468 χ^2/NDF: 7952277.8/73

- sign 4284.045+/-0.655 χ^2/NDF: 4076925.0/37

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 960.396+/-389.613 χ^2/NDF:35.3/19

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

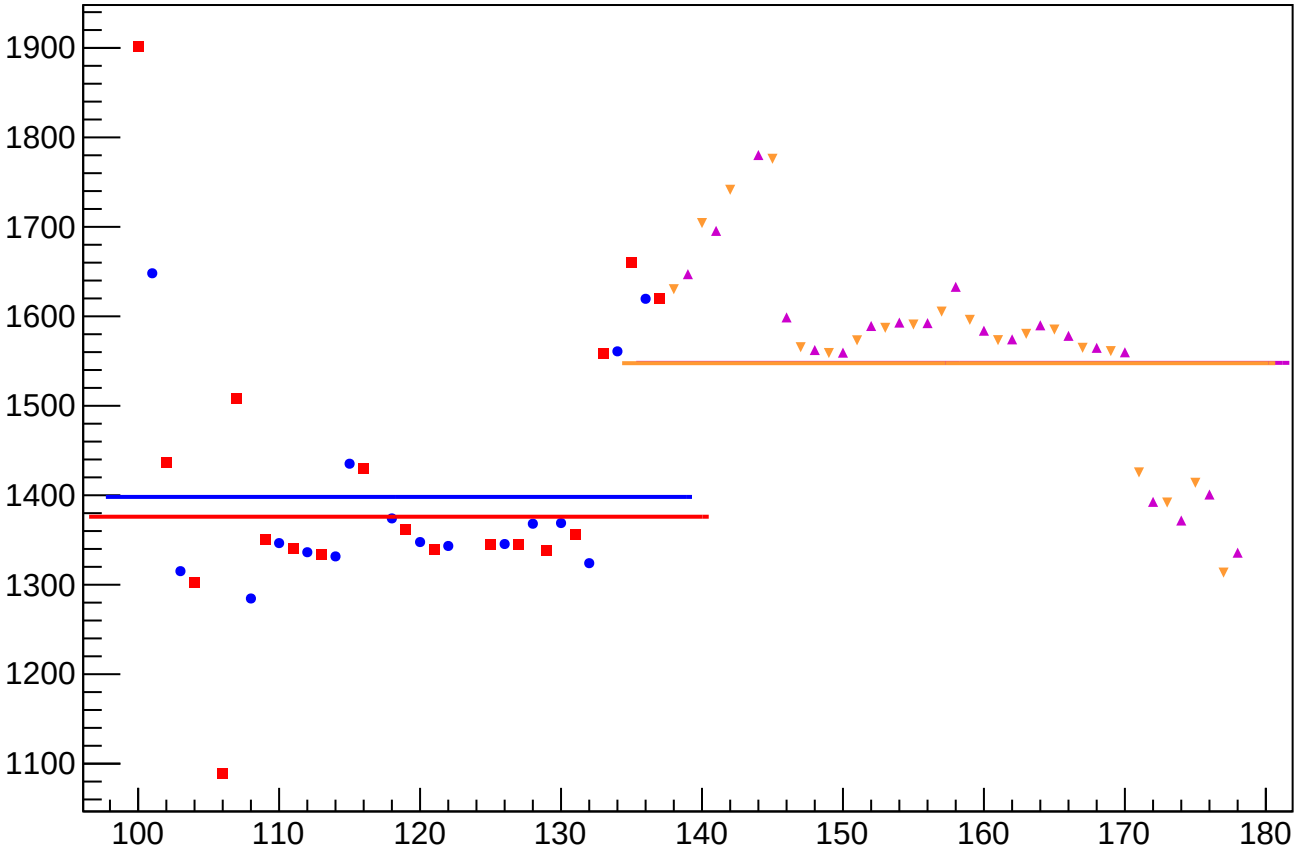
Left In: -2271.383+/-383.935 χ^2/NDF:11.2/19

+ sign 1311.094+/-312.269 χ^2/NDF: 44.5/35

All: -466.825+/-219.564 χ^2/NDF: 134.4/73

- sign -2205.263+/-308.782 χ^2/NDF: 25.8/37

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1547.626+/-0.275 χ^2/NDF:162394.8/19

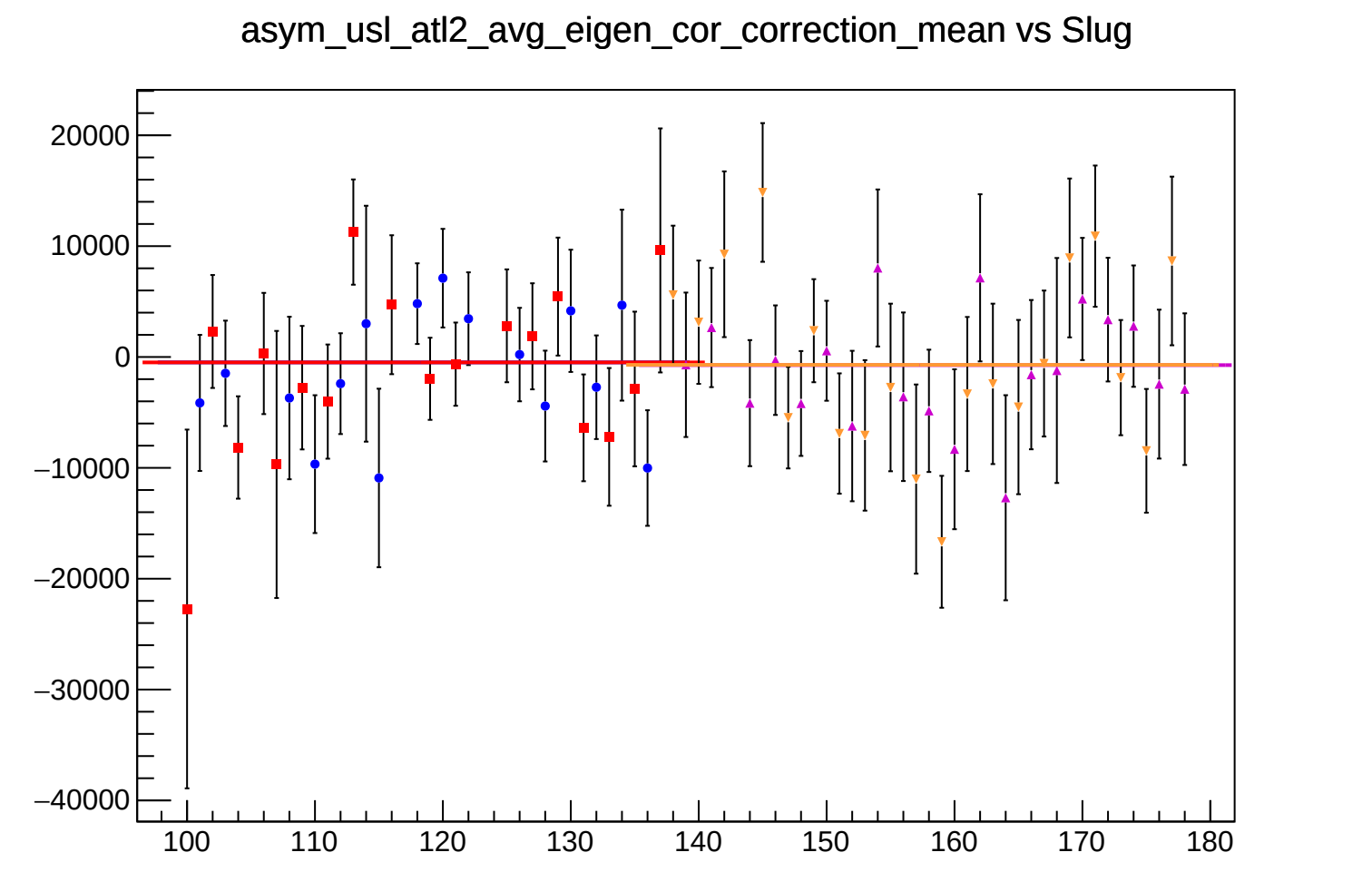
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1547.988+/-0.271 χ^2/NDF:166972.4/19

+ sign 1494.173+/-0.221 χ^2/NDF: 361579.2/35

All: 1490.122+/-0.155 χ^2/NDF: 787417.2/73

- sign 1486.198+/-0.217 χ^2/NDF: 425175.4/37



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -709.839+/-1386.626 χ^2/NDF:31.0/19

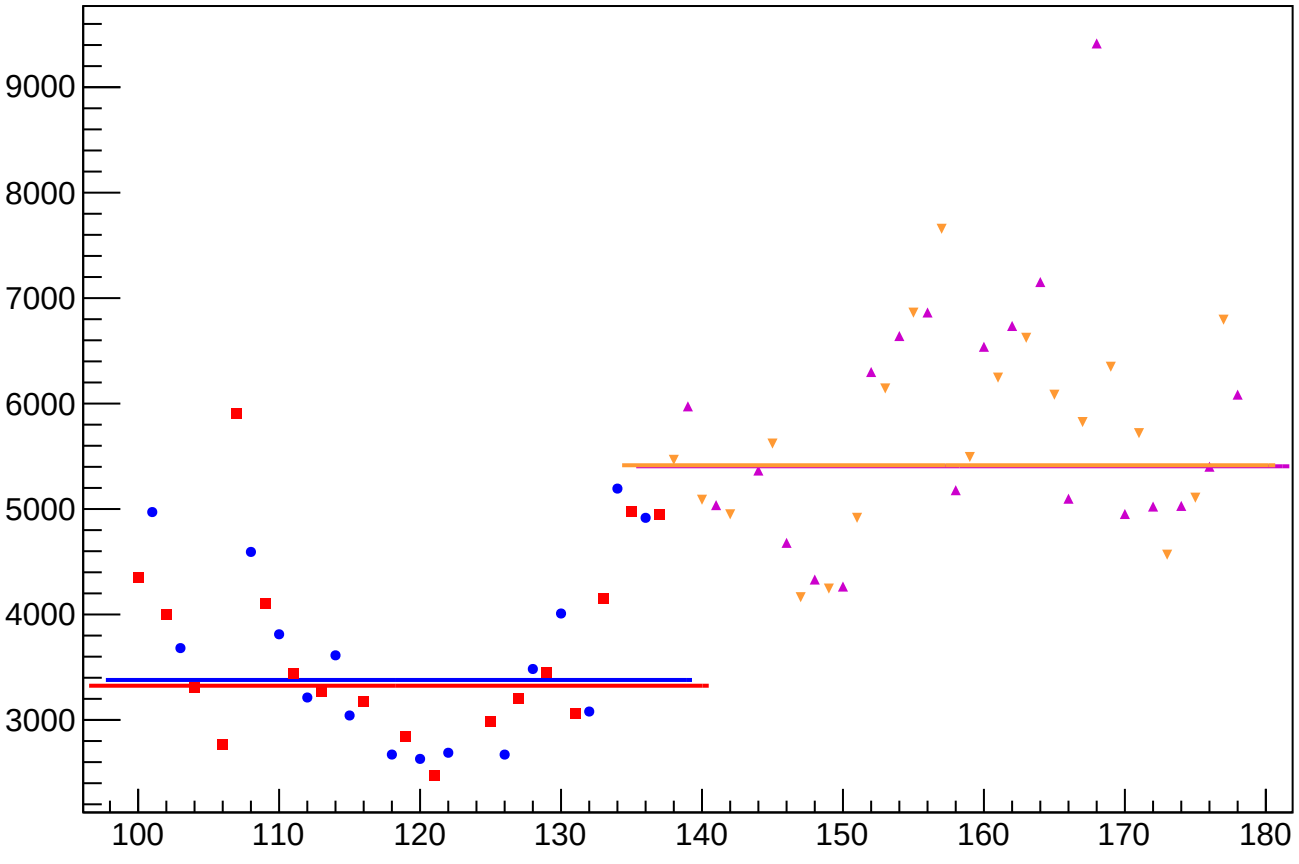
Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: -732.609+/-1363.377 χ^2/NDF:10.5/19

\+ sign -590.575+/-946.412 χ^2/NDF: 46.9/35

All: -595.967+/-661.830 χ^2/NDF: 76.1/73

\- sign -601.127+/-925.866 χ^2/NDF: 29.2/37



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5415.046+/-0.980 χ^2/NDF:814785.3/19

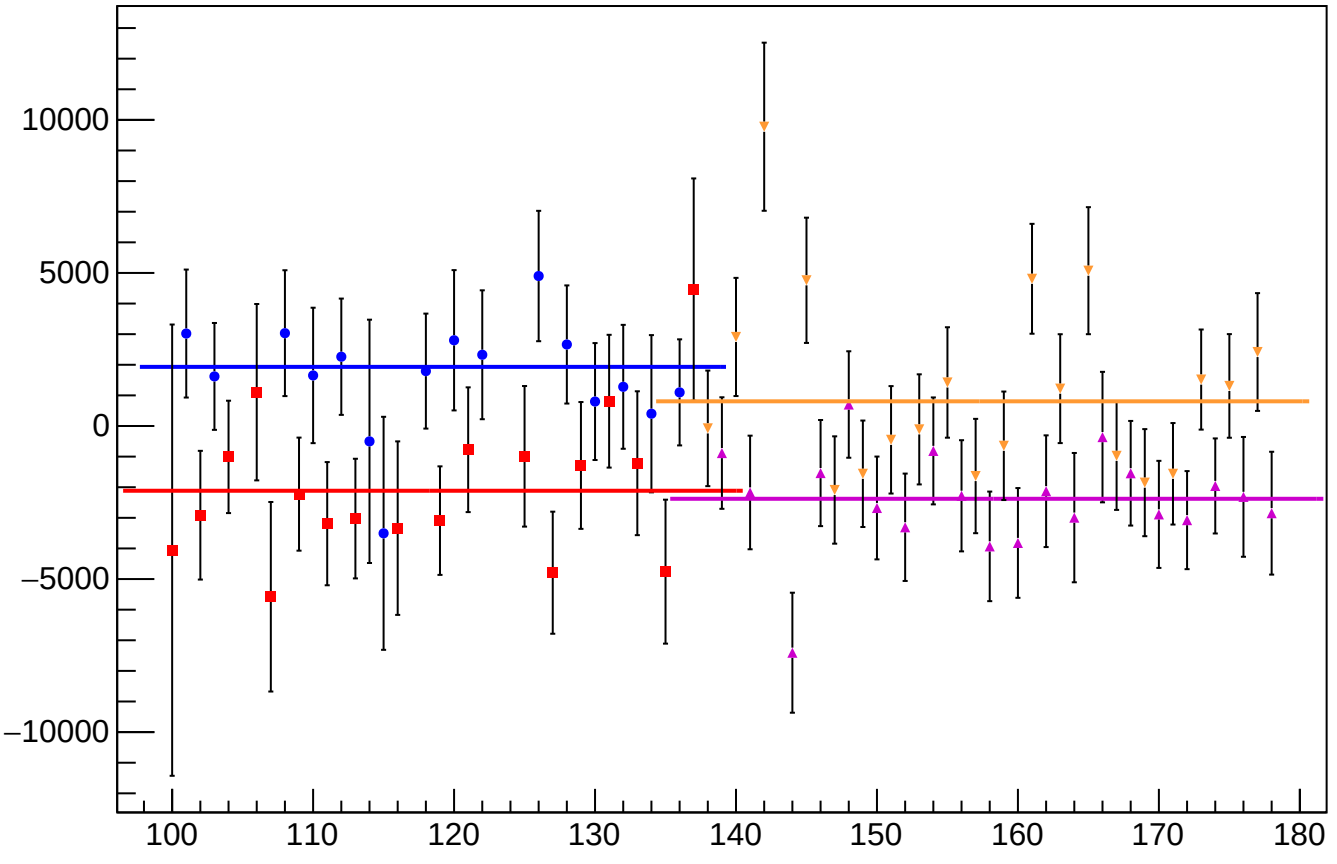
Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5405.219+/-0.964 χ^2/NDF:1022987.7/19

+ sign 4327.541+/-0.669 χ^2/NDF: 3873194.2/35

All: 4305.316+/-0.468 χ^2/NDF: 7952277.8/73

- sign 4284.045+/-0.655 χ^2/NDF: 4076925.0/37



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 806.361+/-408.721 χ^2/NDF:39.3/19

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

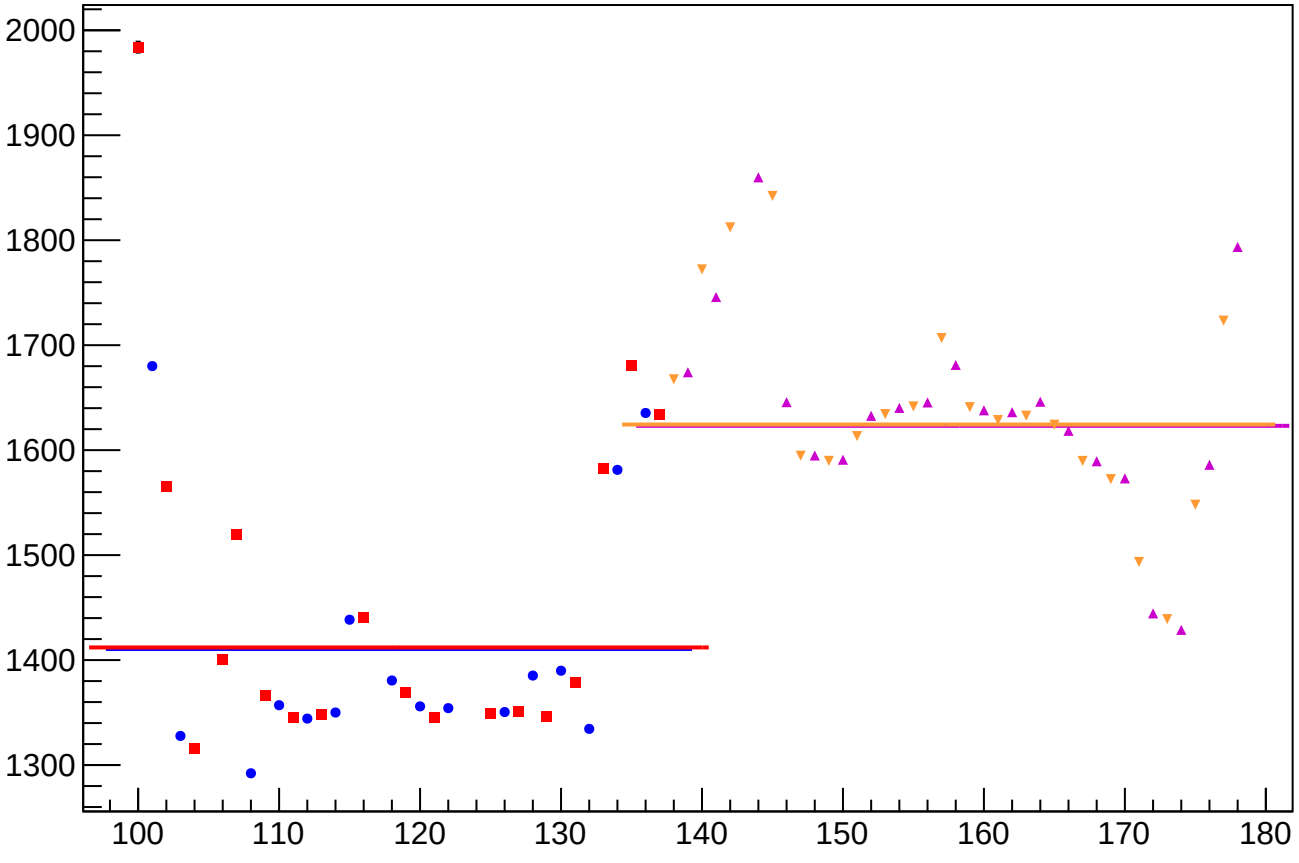
Left In: -2377.863+/-402.353 χ^2/NDF:14.8/19

+ sign 1228.822+/-323.002 χ^2/NDF: 48.5/35

All: -541.641+/-227.401 χ^2/NDF: 136.2/73

- sign -2281.553+/-320.203 χ^2/NDF: 28.2/37

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1624.434+/-0.289 χ^2/NDF:100683.4/19

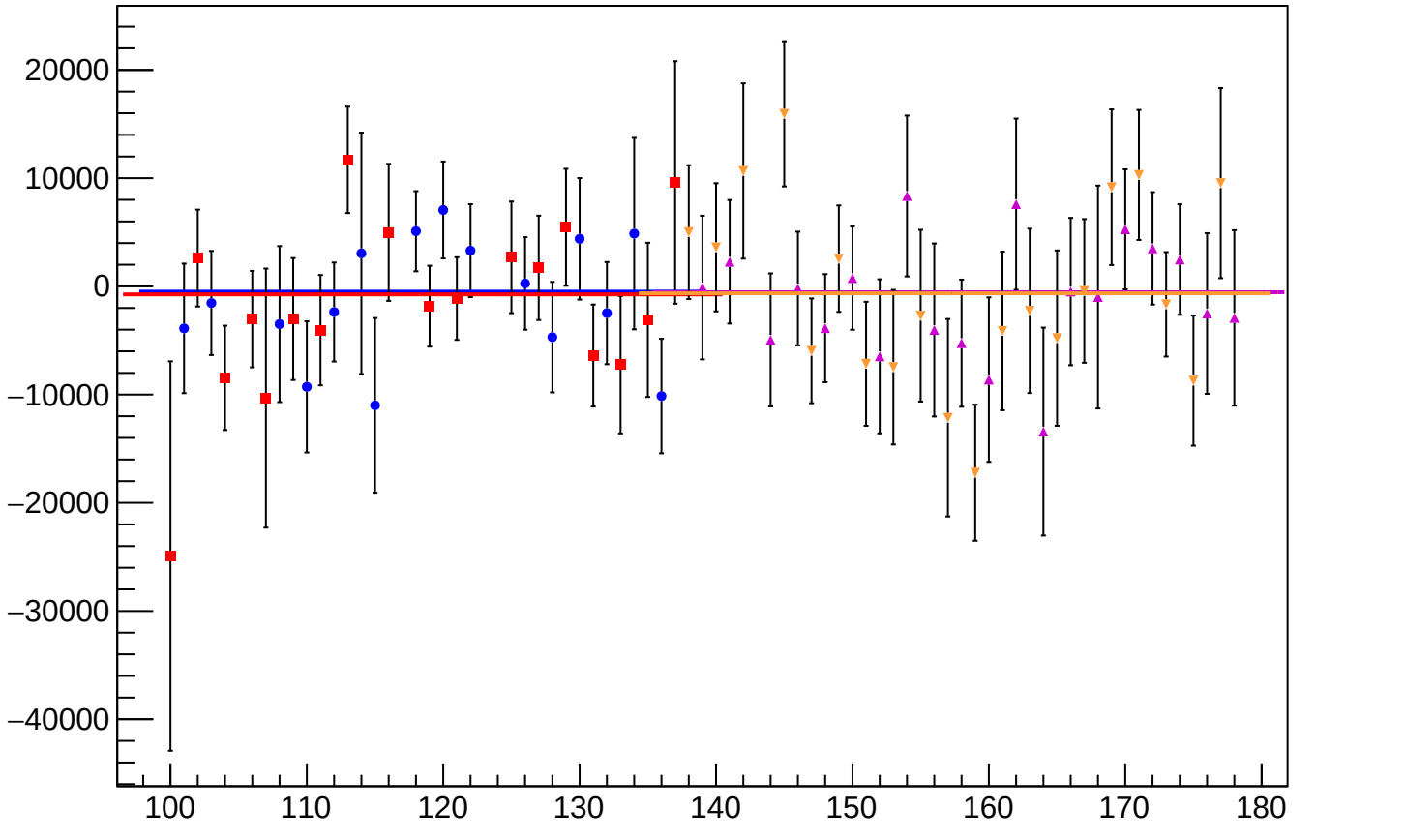
Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

Left In: 1623.170+/-0.285 χ^2/NDF:118026.8/19

+ sign 1544.146+/-0.228 χ^2/NDF: 405382.7/35

All: 1544.828+/-0.161 χ^2/NDF: 815720.6/73

- sign 1545.498+/-0.226 χ^2/NDF: 410320.3/37



Right In: -489.402+/-1308.692 χ^2/NDF: 15.8/15

Left Out: -641.169+/-1437.674 χ^2/NDF:30.7/19

Right Out: -740.592+/-1247.947 χ^2/NDF: 19.2/17

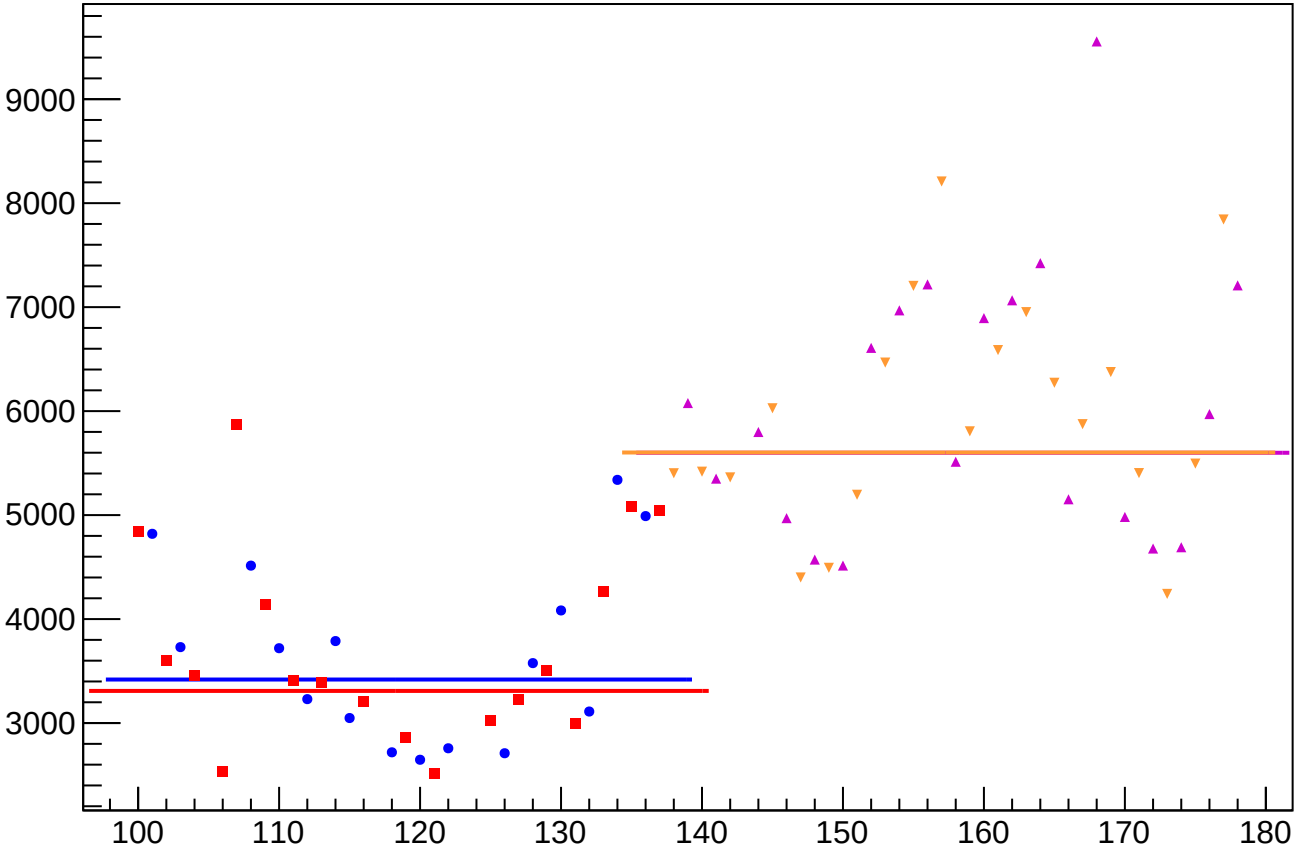
Left In: -540.744+/-1415.638 χ^2/NDF:10.4/19

\+ sign -558.173+/-967.778 χ^2/NDF: 46.6/35

All: -607.266+/-672.856 χ^2/NDF: 76.2/73

\- sign -653.200+/-936.134 χ^2/NDF: 29.6/37

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5602.083+/-1.017 χ^2/NDF:956089.8/19

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

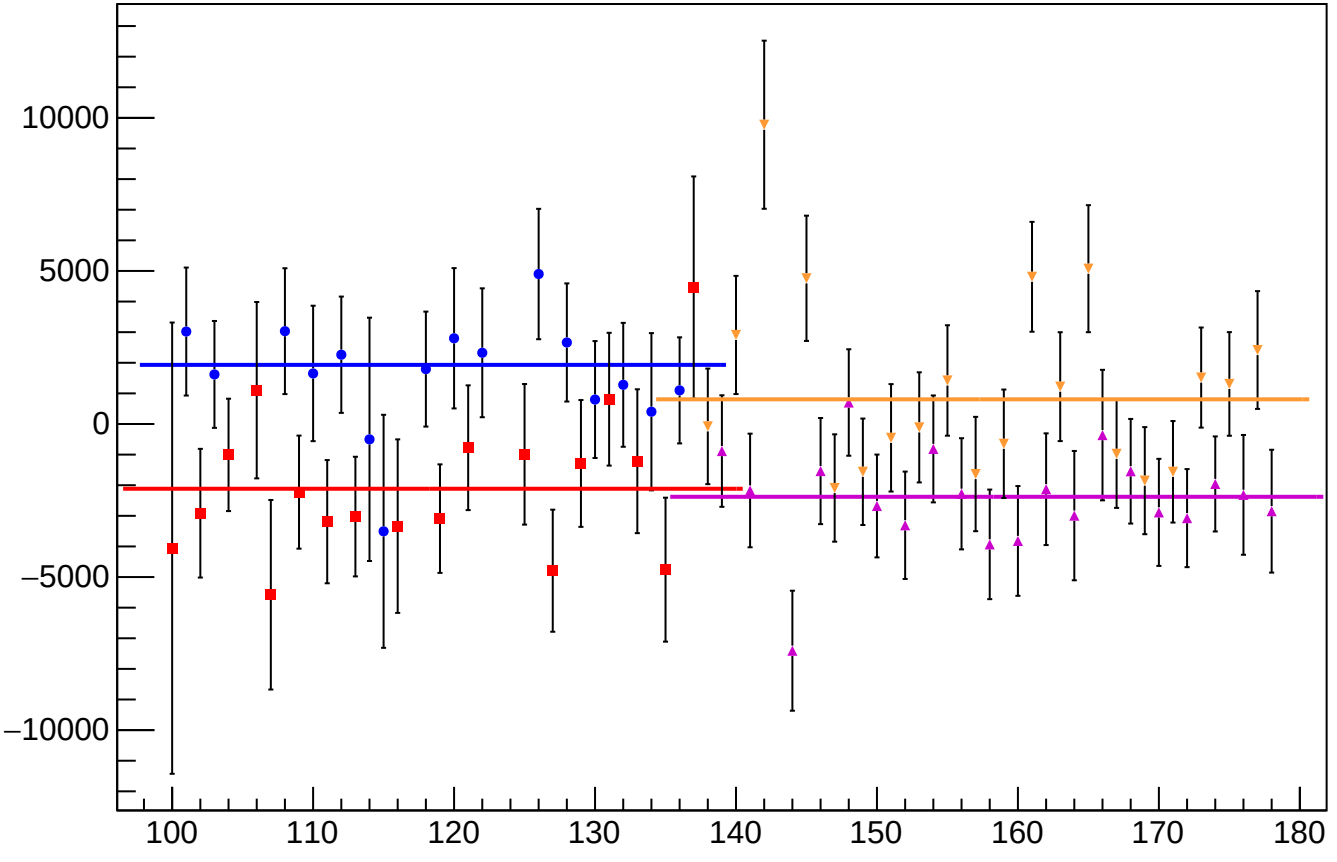
Left In: 5599.382+/-1.001 χ^2/NDF:1160889.8/19

+ sign 4408.075+/-0.684 χ^2/NDF: 4199890.2/35

All: 4357.733+/-0.476 χ^2/NDF: 8888852.7/73

- sign 4310.629+/-0.662 χ^2/NDF: 4678486.8/37

eigen_dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 806.355+/-408.721 χ^2/NDF:39.3/19

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

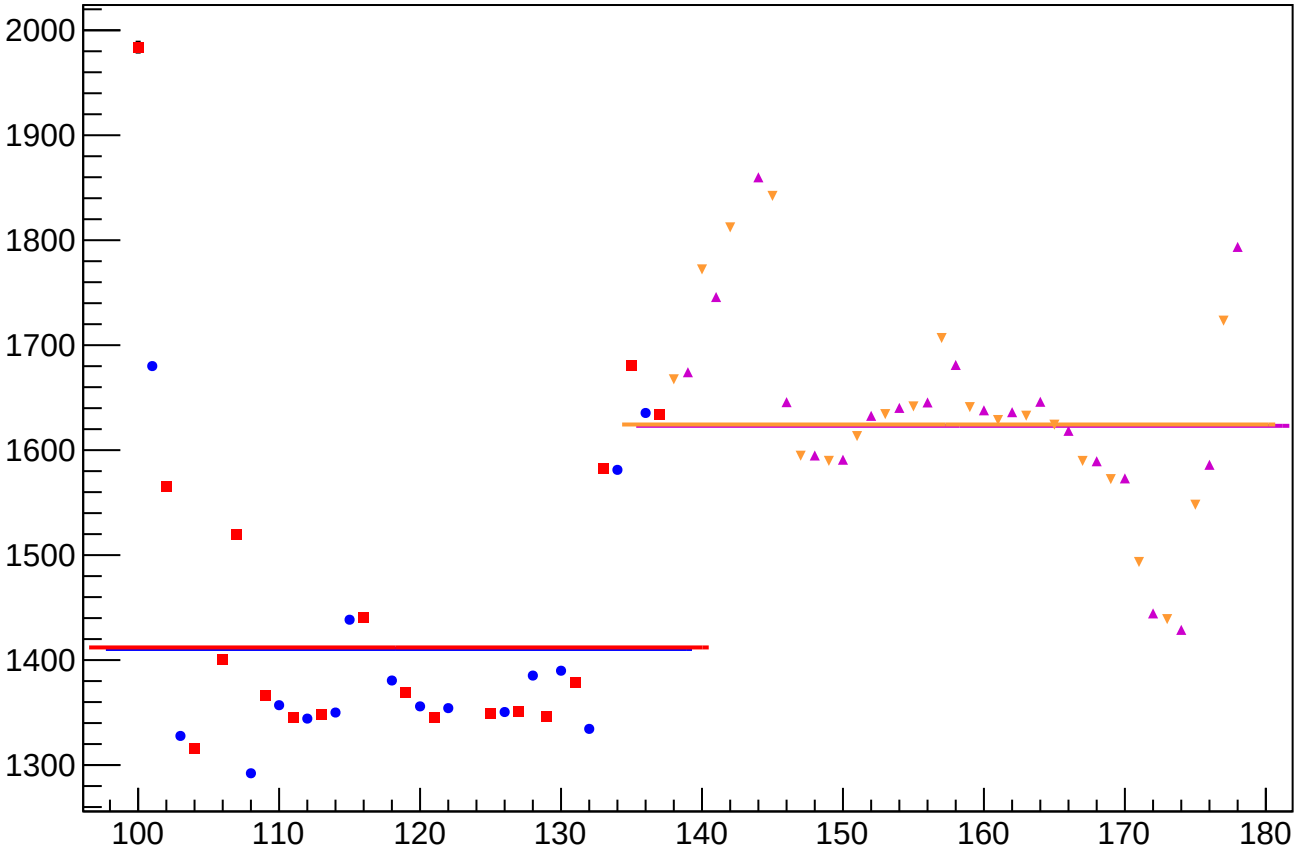
Left In: -2377.865+/-402.354 χ^2/NDF:14.8/19

+ sign 1228.820+/-323.002 χ^2/NDF: 48.5/35

All: -541.643+/-227.401 χ^2/NDF: 136.2/73

- sign -2281.554+/-320.203 χ^2/NDF: 28.2/37

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1624.435+/-0.289 χ^2/NDF:100687.8/19

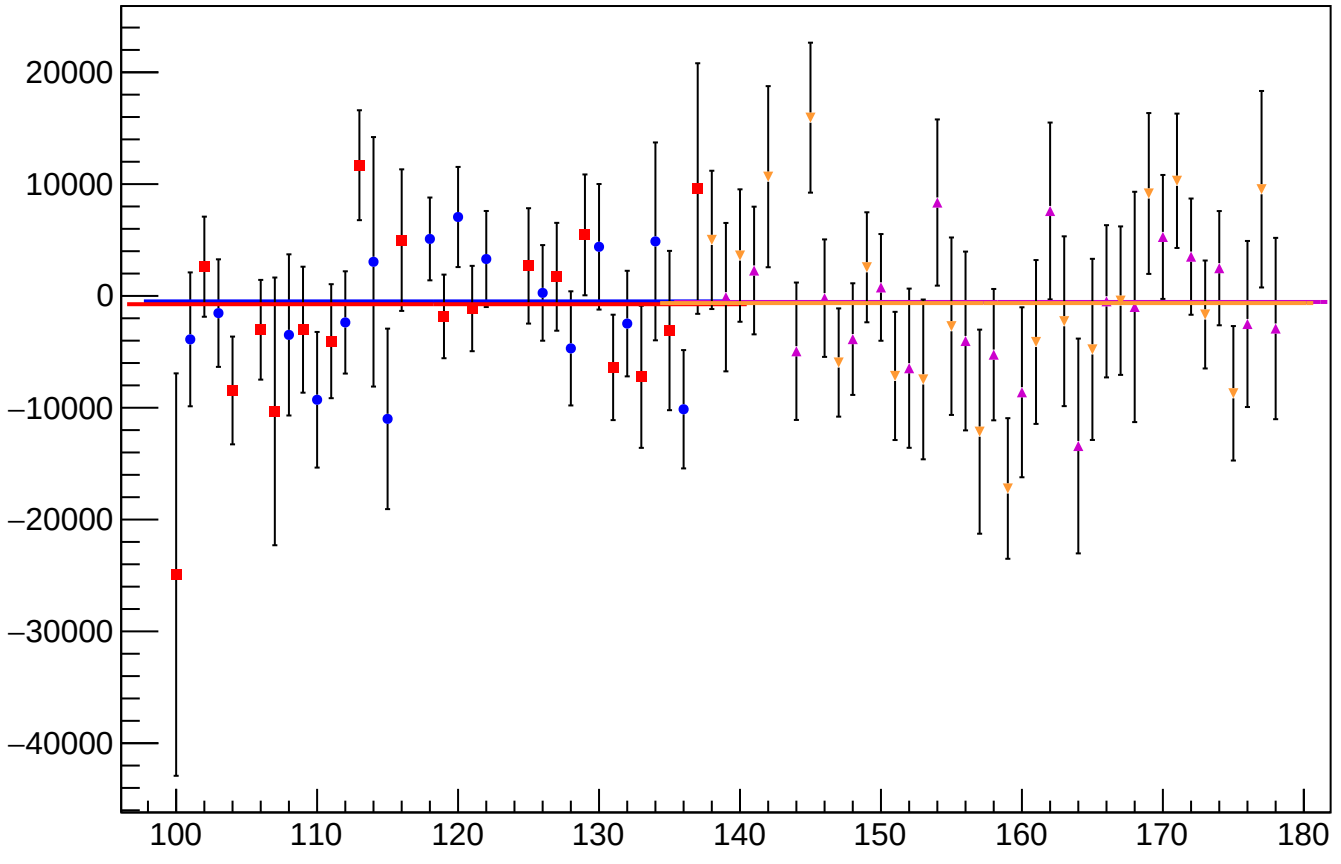
Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1623.171+/-0.285 χ^2/NDF:118031.6/19

+ sign 1544.146+/-0.228 χ^2/NDF: 405388.5/35

All: 1544.829+/-0.161 χ^2/NDF: 815733.4/73

- sign 1545.498+/-0.226 χ^2/NDF: 410327.2/37



Right In: -489.395+/-1308.688 χ^2/NDF: 15.8/15

Left Out: -641.175+/-1437.676 χ^2/NDF:30.7/19

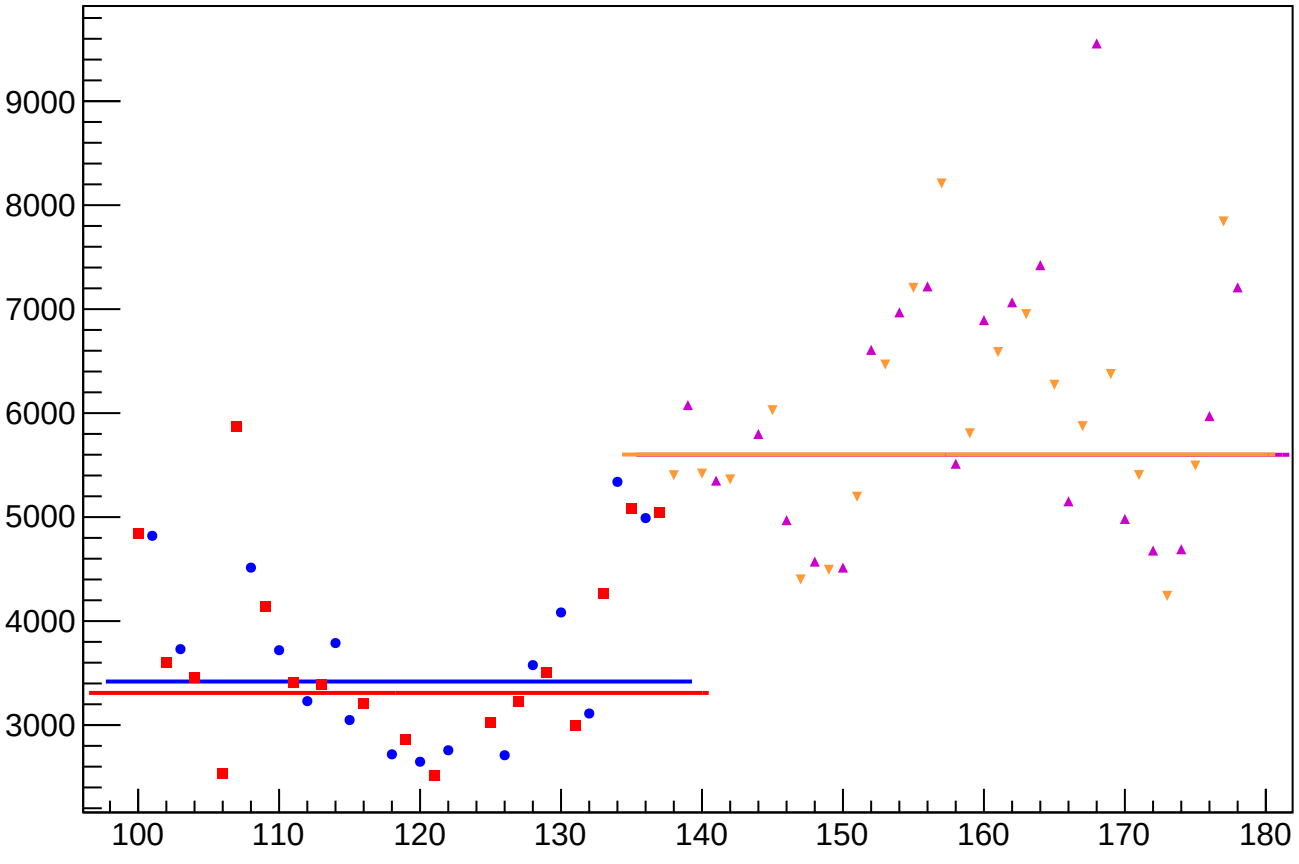
Right Out: -740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: -540.745+/-1415.640 χ^2/NDF:10.4/19

\+ sign -558.172+/-967.778 χ^2/NDF: 46.6/35

All: -607.266+/-672.855 χ^2/NDF: 76.2/73

\- sign -653.202+/-936.133 χ^2/NDF: 29.6/37



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5602.092+/-1.017 χ^2/NDF:956090.2/19

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

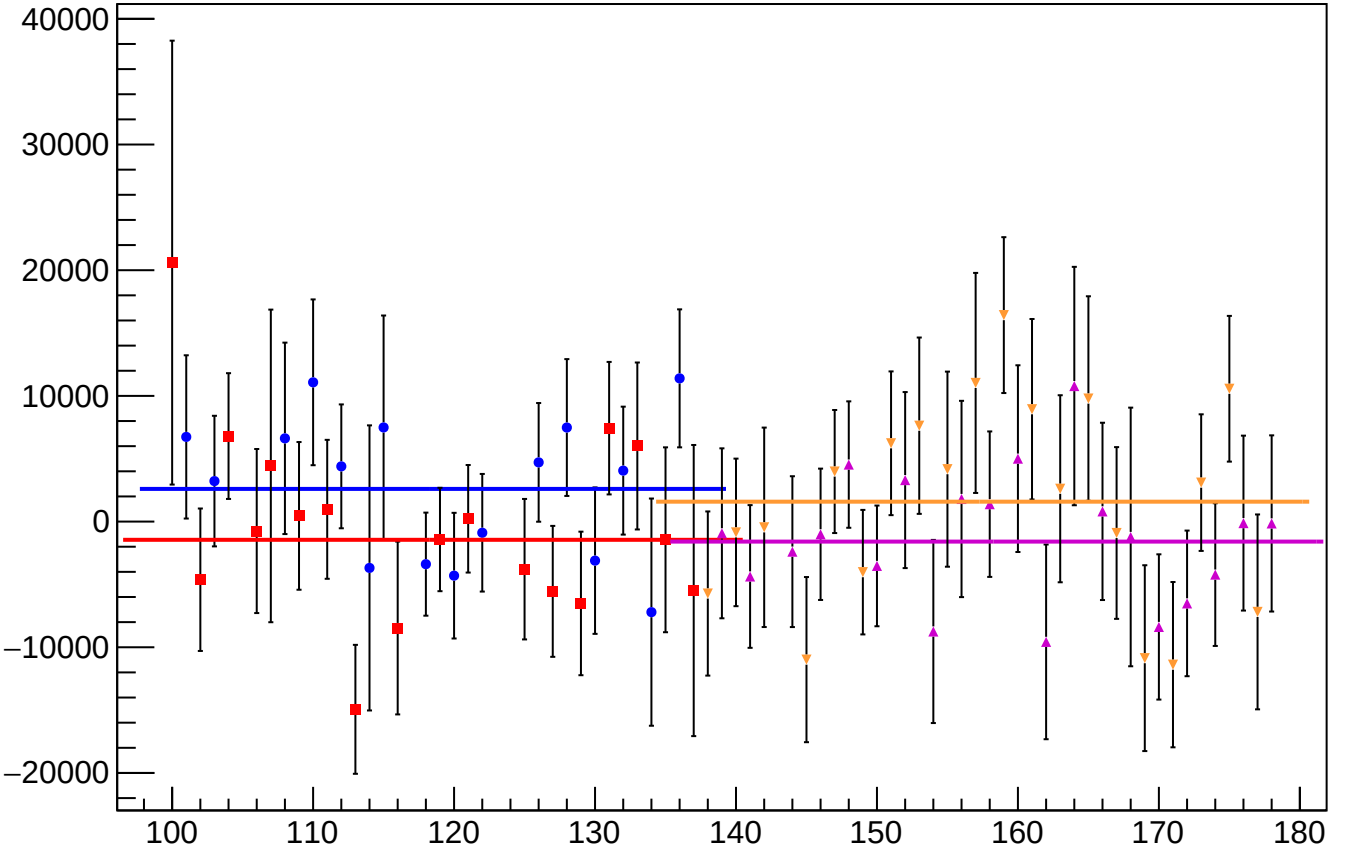
Left In: 5599.390+/-1.001 χ^2/NDF:1160890.8/19

+ sign 4408.068+/-0.684 χ^2/NDF: 4199948.6/35

All: 4357.726+/-0.476 χ^2/NDF: 8888965.7/73

- sign 4310.622+/-0.662 χ^2/NDF: 4678541.5/37

asym_usl_atl2_avg_mean vs Slug



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: 1583.694+/-1449.062 χ^2/NDF:27.8/19

Right Out: -1450.418+/-1382.818 χ^2/NDF: 19.0/17

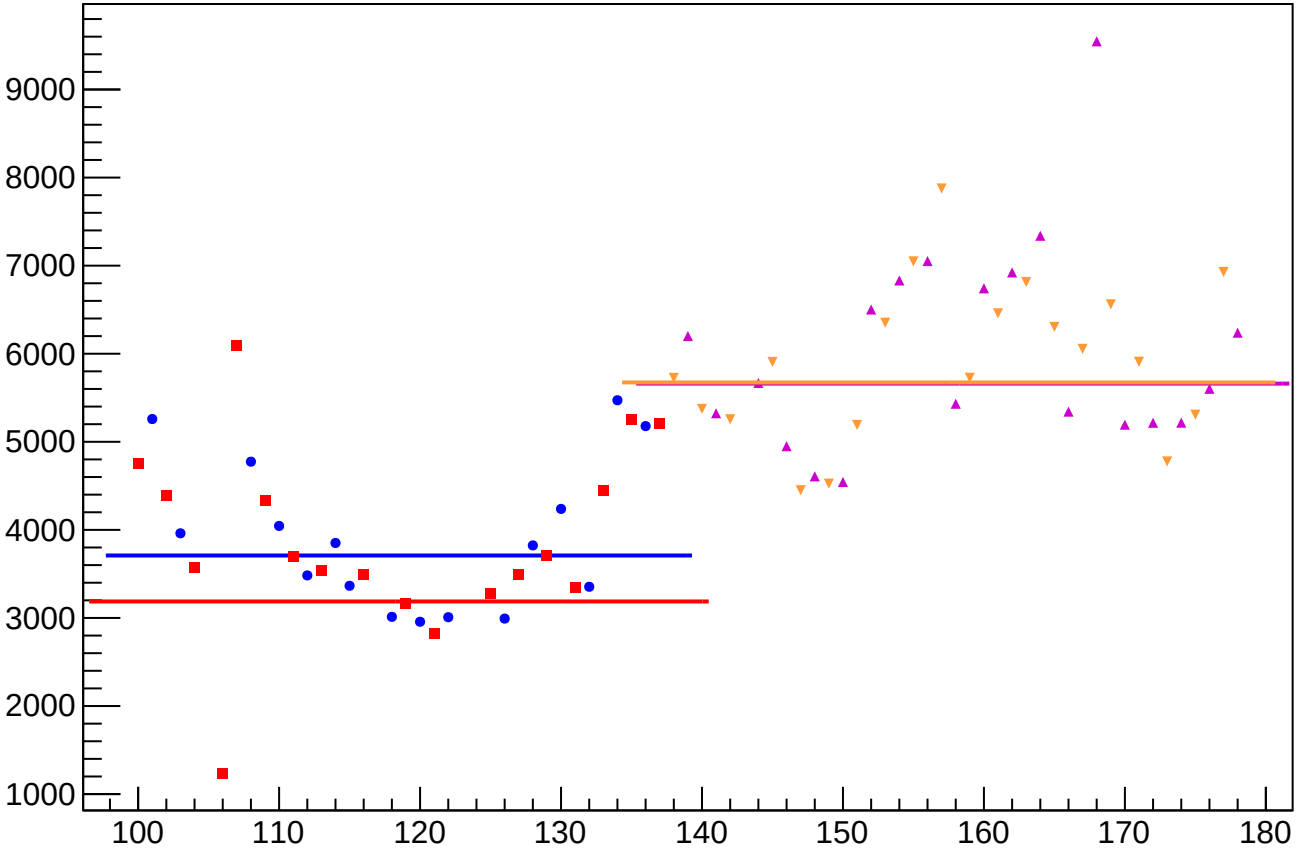
Left In: -1592.439+/-1424.330 χ^2/NDF:9.9/19

+ sign 2103.919+/-1012.200 χ^2/NDF: 41.5/35

All: 256.056+/-708.539 χ^2/NDF: 77.0/73

- sign -1519.329+/-992.151 χ^2/NDF: 29.0/37

asym_usl_atl2_avg_rms vs Slug



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5674.203+/-1.025 χ^2/NDF:703649.4/19

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

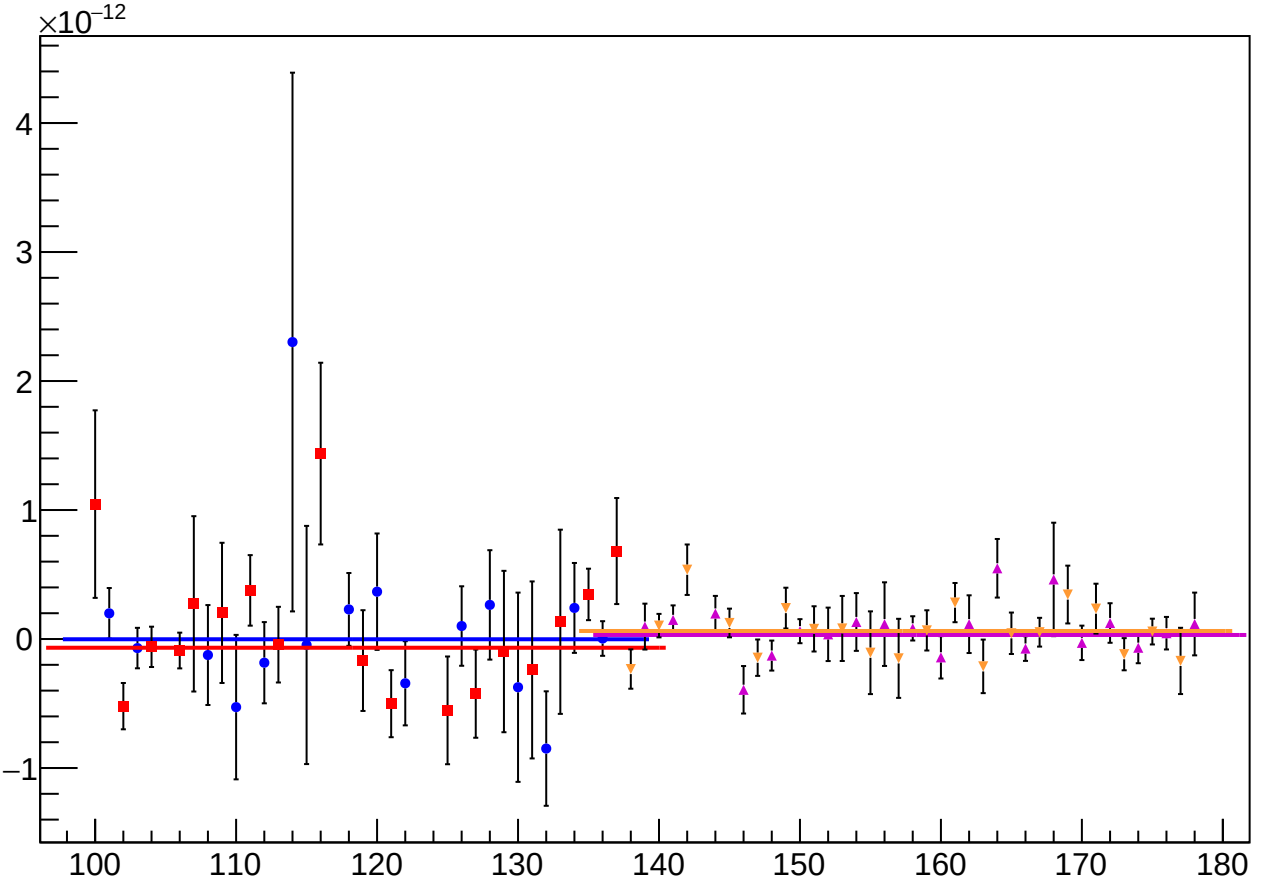
Left In: 5660.698+/-1.007 χ^2/NDF:898084.5/19

+ sign 4667.961+/-0.716 χ^2/NDF: 3197637.0/35

All: 4460.644+/-0.489 χ^2/NDF: 9232134.6/73

- sign 4279.380+/-0.669 χ^2/NDF: 5877238.6/37

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.5/19

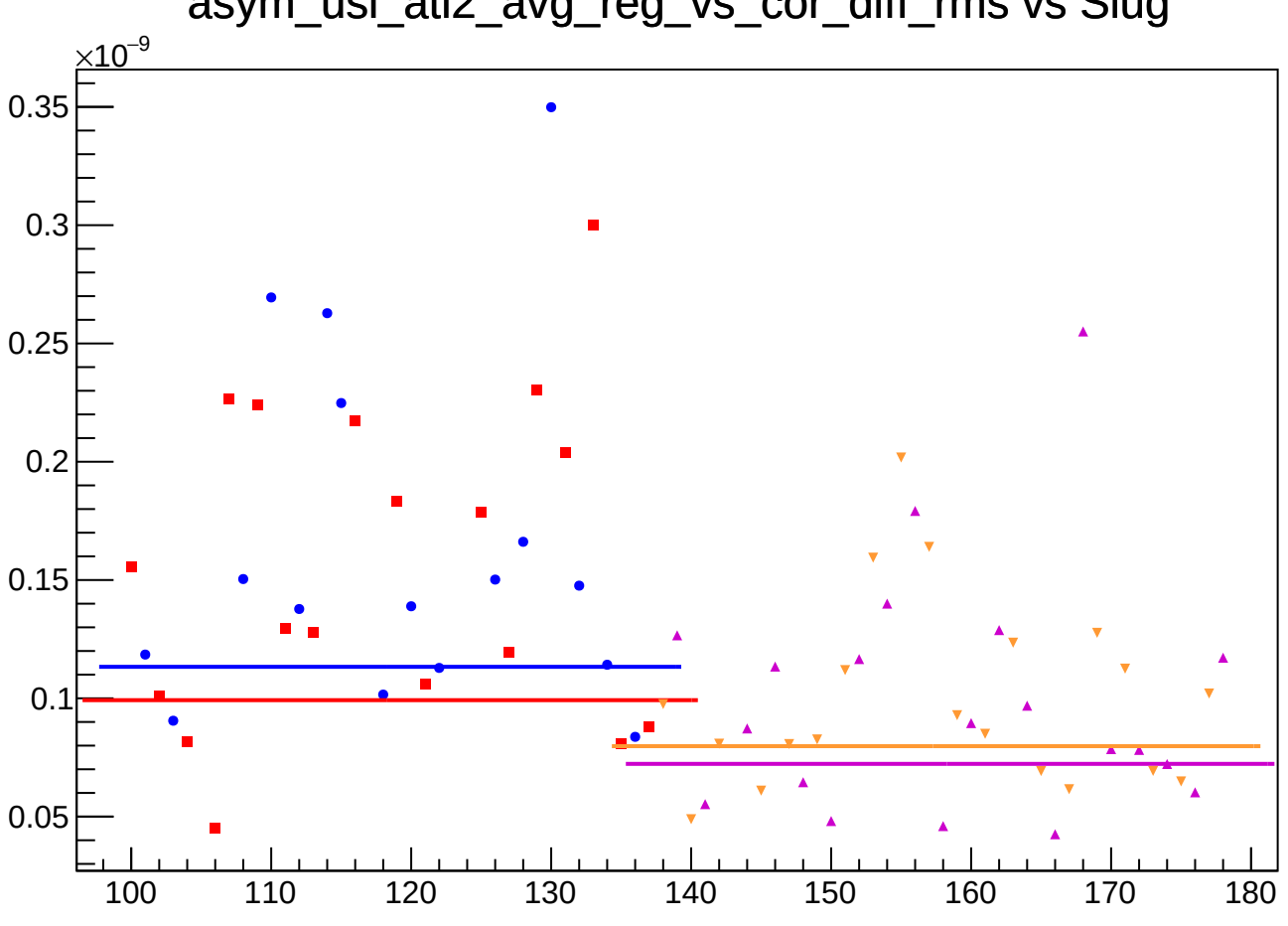
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/17

Left In: 0.000+/-0.000 χ^2/NDF:20.6/19

+ sign 0.000+/-0.000 χ^2/NDF: 35.3/35

All: 0.000+/-0.000 χ^2/NDF: 88.0/73

- sign 0.000+/-0.000 χ^2/NDF: 51.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1412695.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

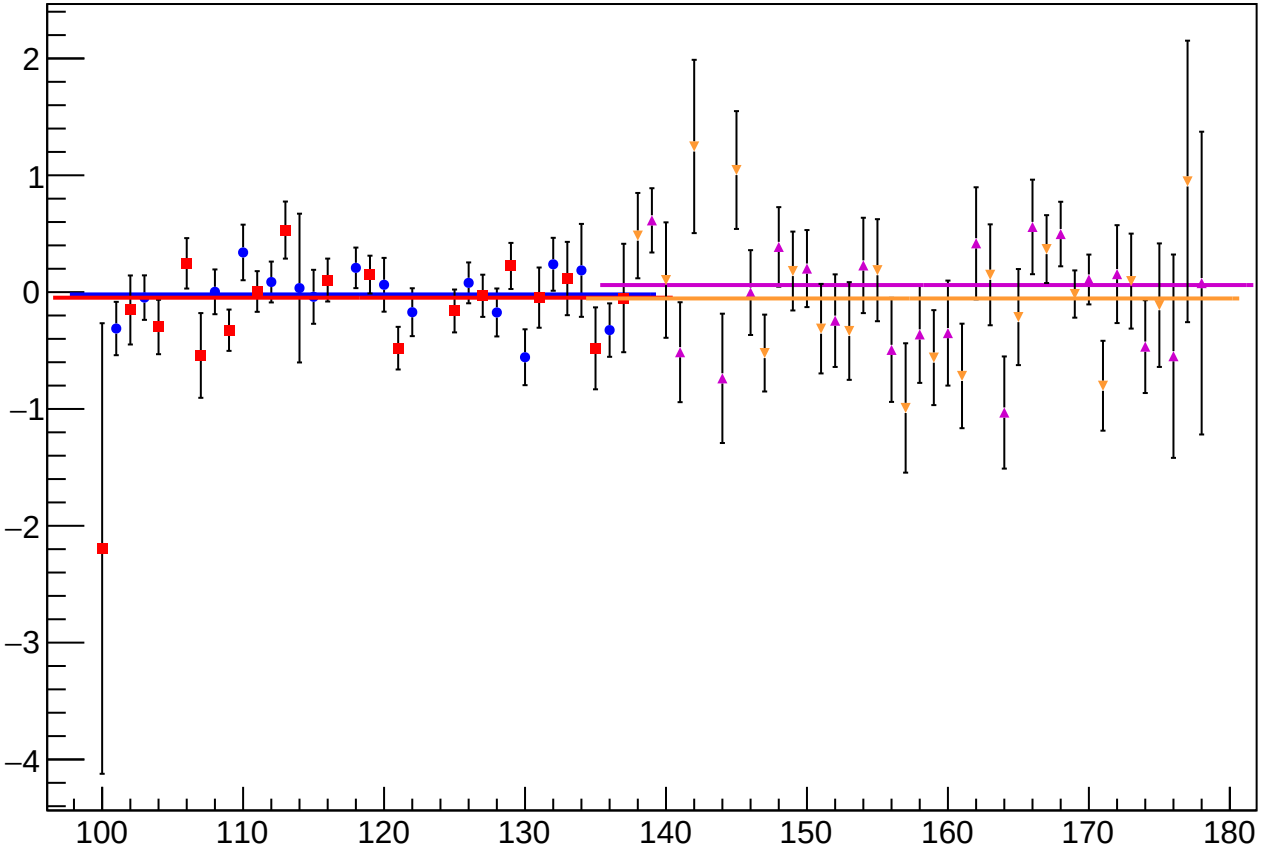
Left In: 0.000+/-0.000 χ^2/NDF:1954231.7/19

+ sign 0.000+/-0.000 χ^2/NDF: 2437802.6/35

All: 0.000+/-0.000 χ^2/NDF: 5850062.9/73

- sign 0.000+/-0.000 χ^2/NDF: 3327444.2/37

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: -0.054+/-0.087 χ^2/NDF:27.6/19

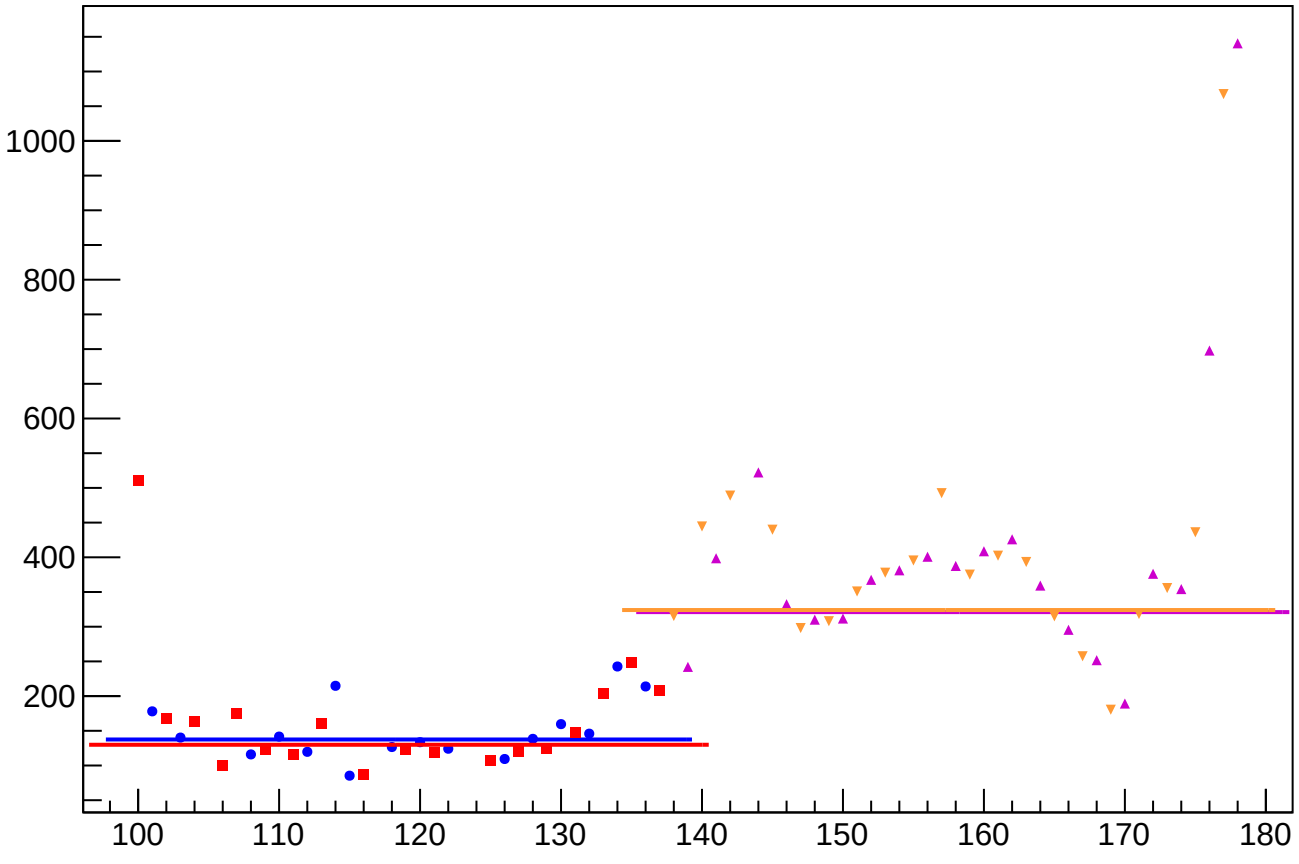
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.061+/-0.085 χ^2/NDF:25.3/19

+ sign -0.029+/-0.046 χ^2/NDF: 43.7/35

All: -0.023+/-0.032 χ^2/NDF: 96.5/73

- sign -0.018+/-0.045 χ^2/NDF: 52.8/37



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 324.013+/-0.062 χ^2/NDF:2745996.0/19

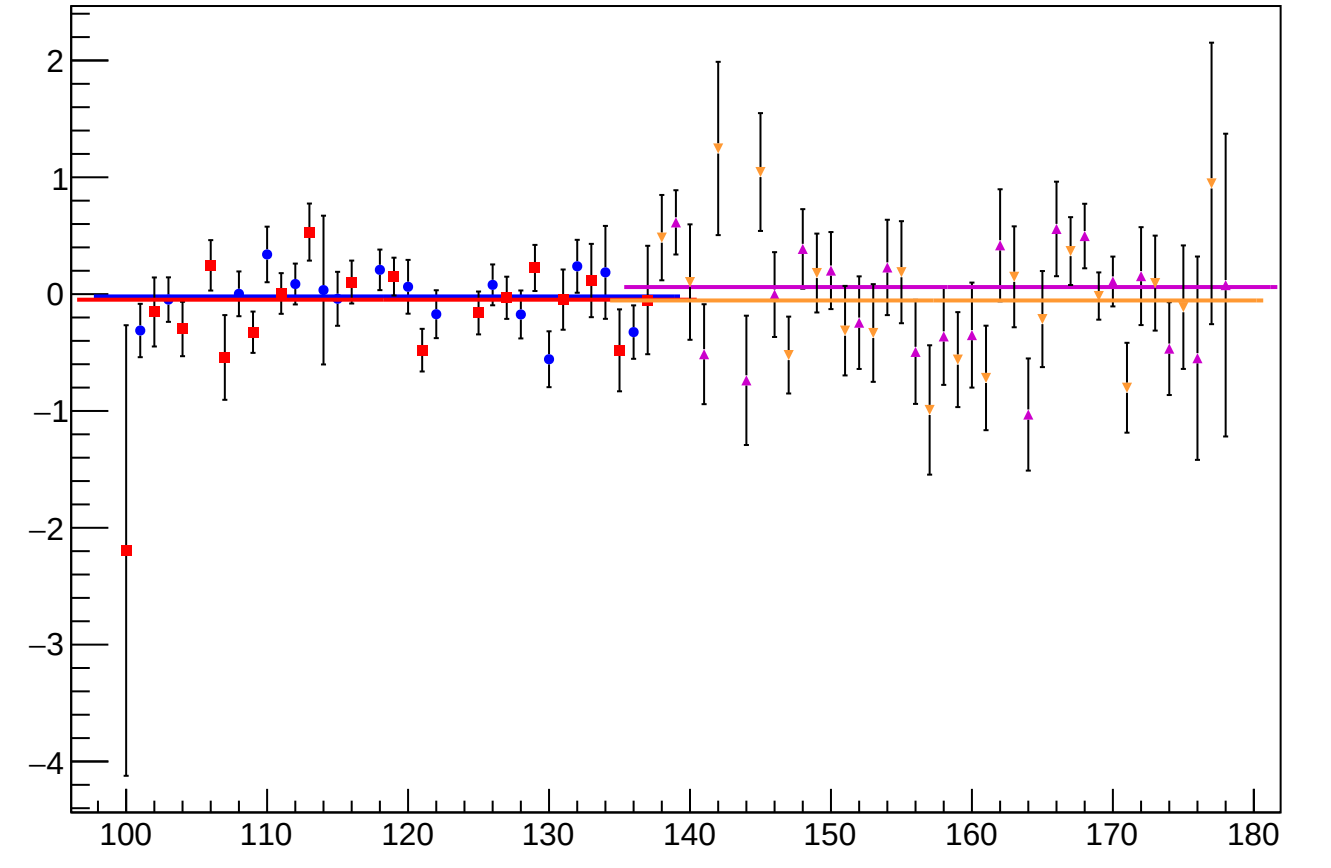
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 321.032+/-0.060 χ^2/NDF:2993056.0/19

+ sign 189.650+/-0.033 χ^2/NDF: 10060782.3/35

All: 186.188+/-0.023 χ^2/NDF: 21268589.8/73

- sign 182.932+/-0.032 χ^2/NDF: 11185831.9/37



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.054+/-0.087 χ^2/NDF:27.6/19

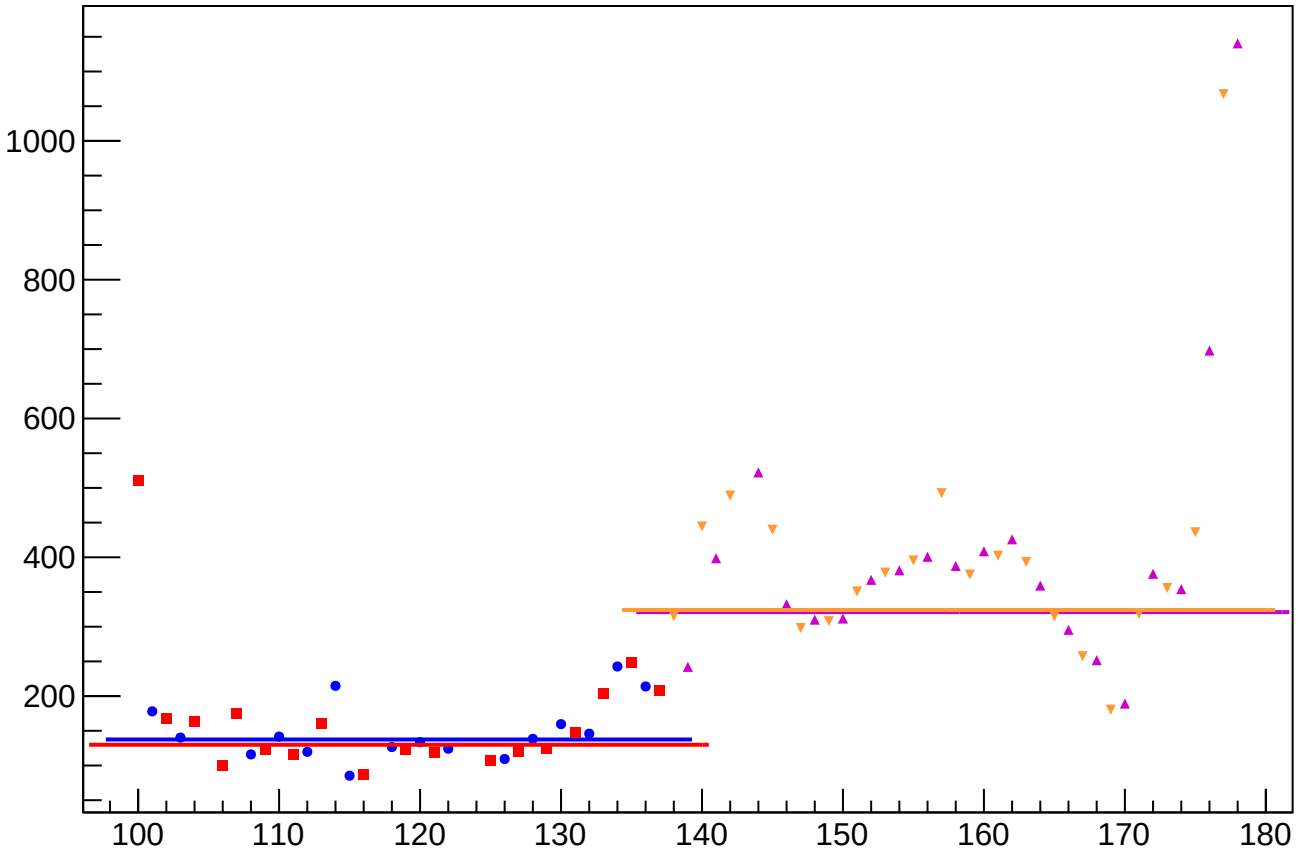
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.061+/-0.085 χ^2/NDF:25.3/19

+ sign -0.029+/-0.046 χ^2/NDF: 43.7/35

All: -0.023+/-0.032 χ^2/NDF: 96.5/73

- sign -0.018+/-0.045 χ^2/NDF: 52.8/37



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 324.013+/-0.062 χ^2/NDF:2745996.0/19

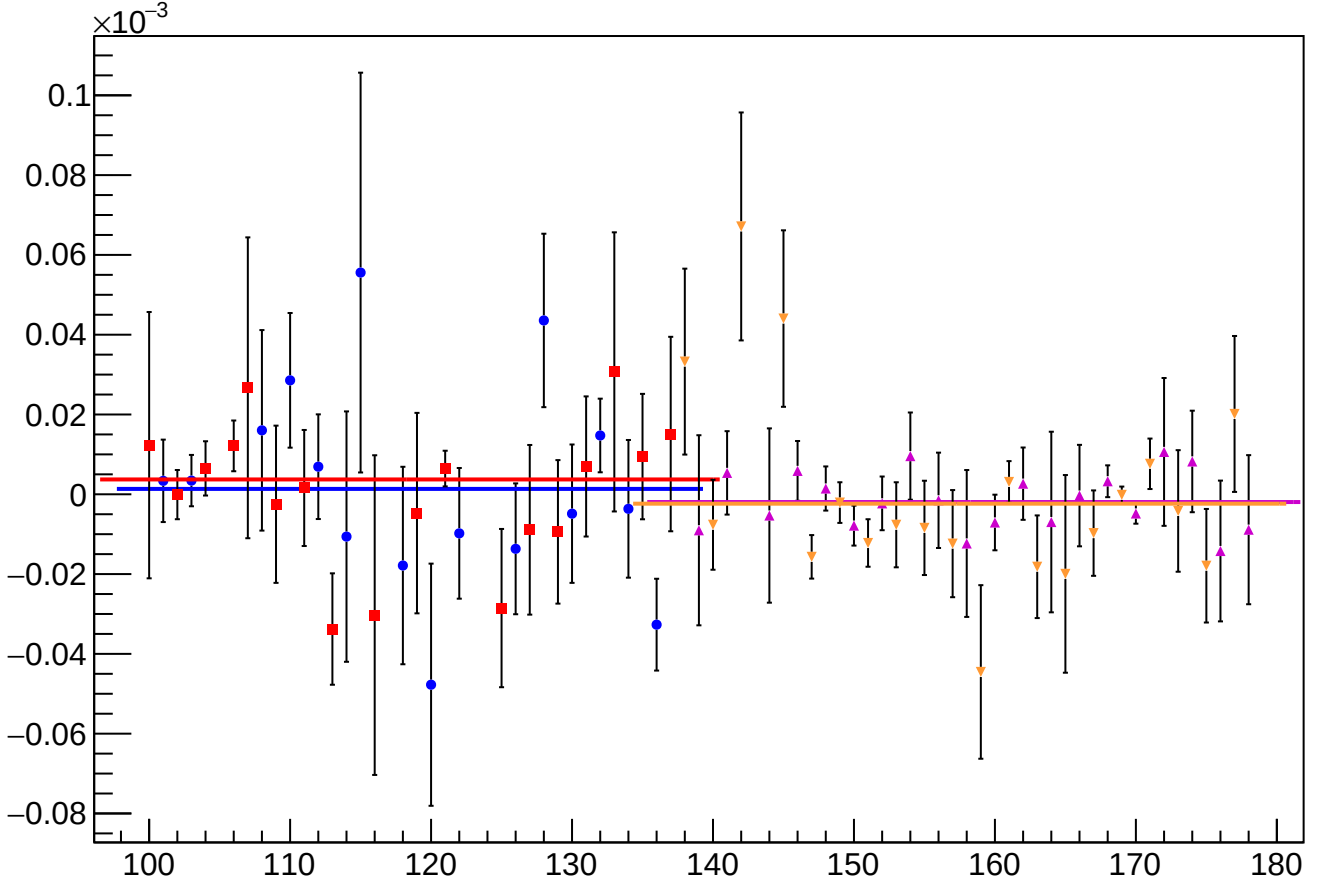
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 321.032+/-0.060 χ^2/NDF:2993056.0/19

+ sign 189.650+/-0.033 χ^2/NDF: 10060782.3/35

All: 186.188+/-0.023 χ^2/NDF: 21268589.8/73

- sign 182.932+/-0.032 χ^2/NDF: 11185831.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

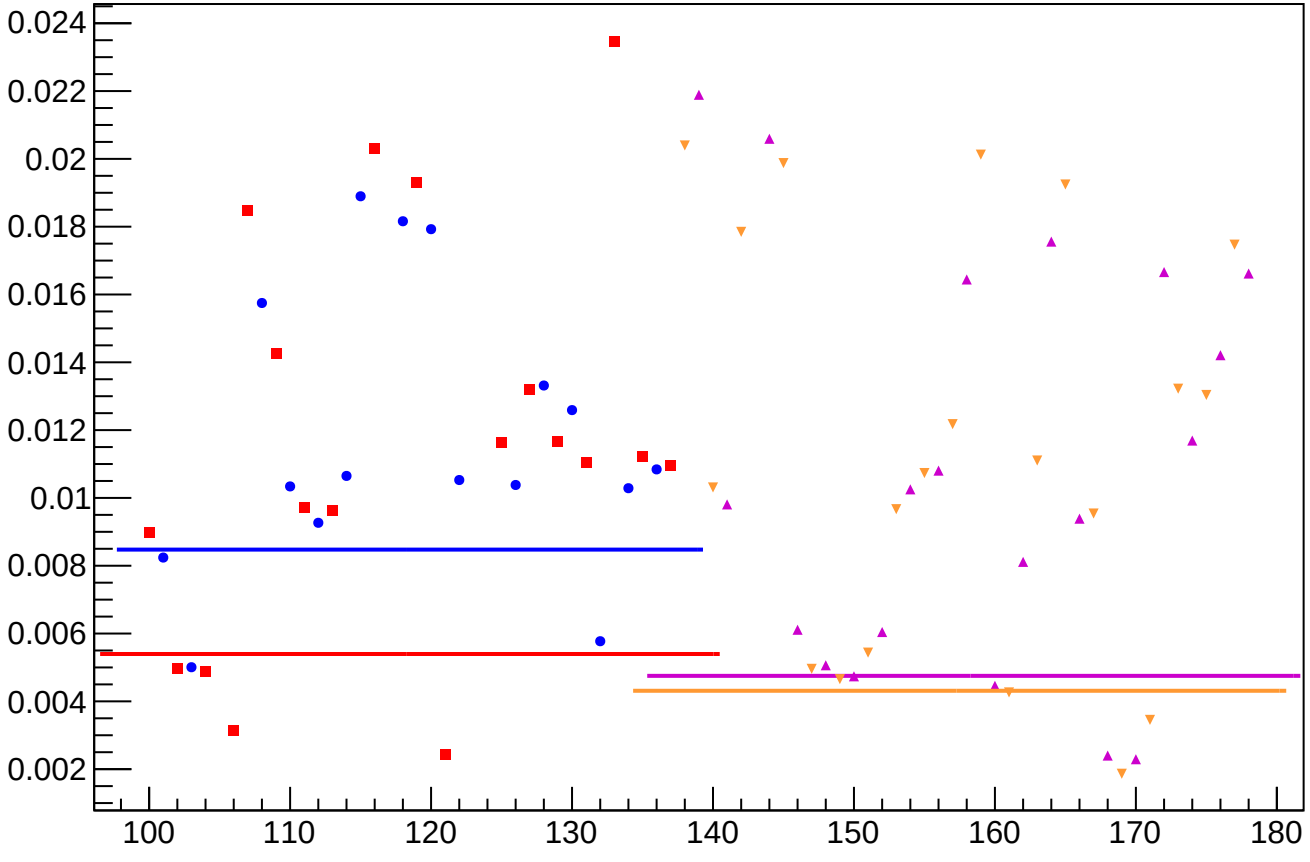
Left In: -0.000+/-0.000 χ^2/NDF:10.4/19

+ sign -0.000+/-0.000 χ^2/NDF: 61.1/35

All: -0.000+/-0.000 χ^2/NDF: 91.5/73

- sign -0.000+/-0.000 χ^2/NDF: 29.9/37

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 1925998.4/15

Left Out: 0.004+/-0.000 χ^2/NDF:12815028.9/19

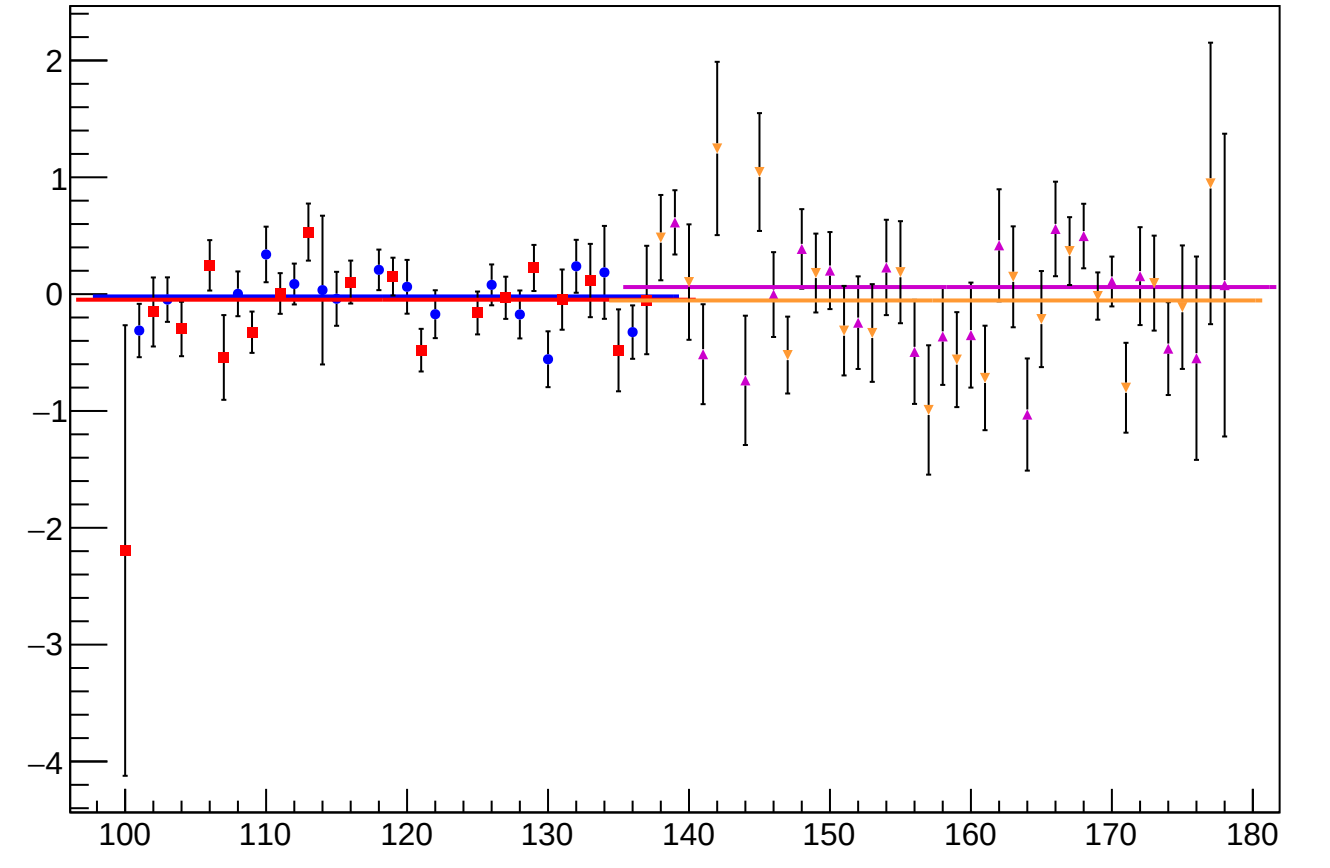
Right Out: 0.005+/-0.000 χ^2/NDF: 4909074.3/17

Left In: 0.005+/-0.000 χ^2/NDF:11067687.2/19

+ sign 0.005+/-0.000 χ^2/NDF: 17204569.1/35

All: 0.005+/-0.000 χ^2/NDF: 33276345.6/73

- sign 0.005+/-0.000 χ^2/NDF: 16071288.6/37



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.054+/-0.087 χ^2/NDF:27.6/19

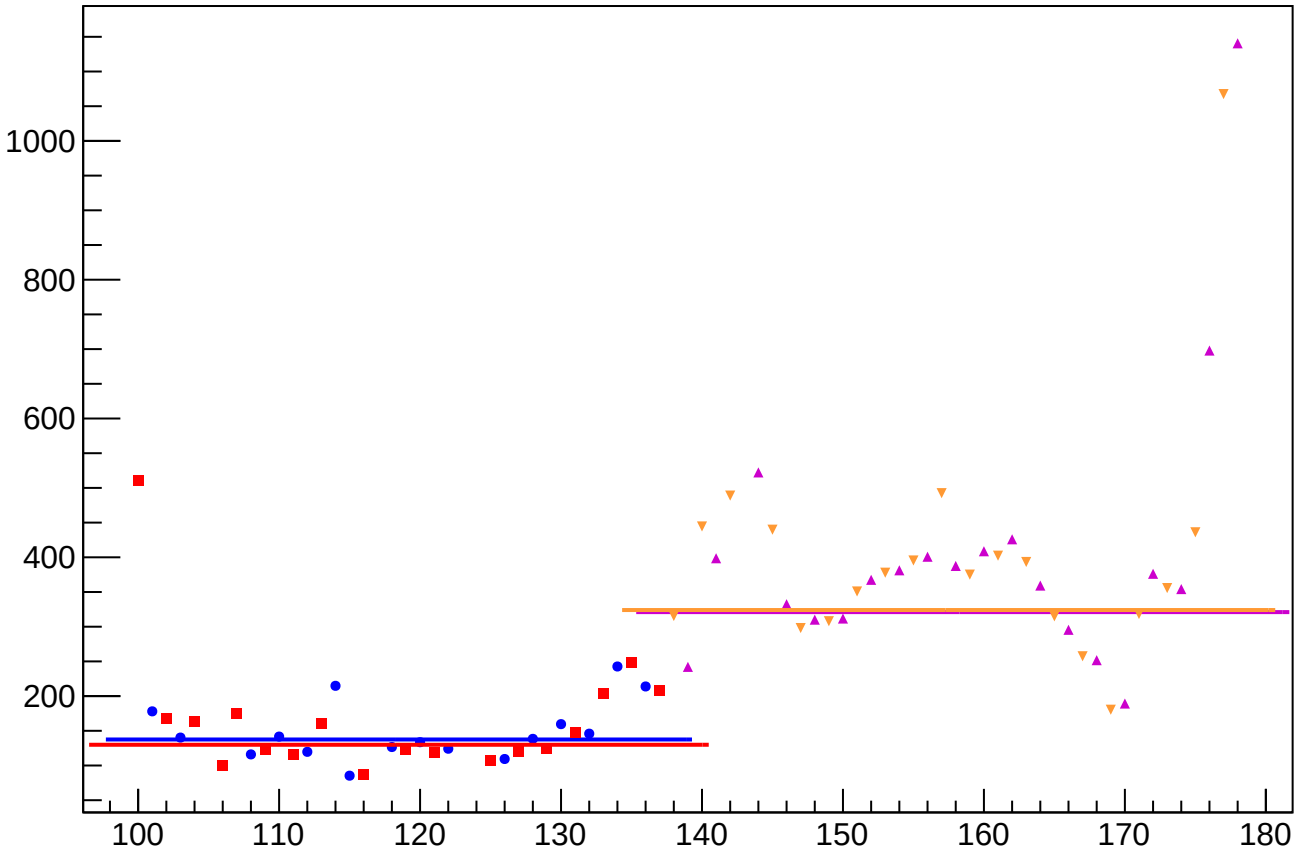
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.061+/-0.085 χ^2/NDF:25.3/19

+ sign -0.029+/-0.046 χ^2/NDF: 43.7/35

All: -0.023+/-0.032 χ^2/NDF: 96.5/73

- sign -0.018+/-0.045 χ^2/NDF: 52.8/37



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 324.015+/-0.062 χ^2/NDF:2746054.3/19

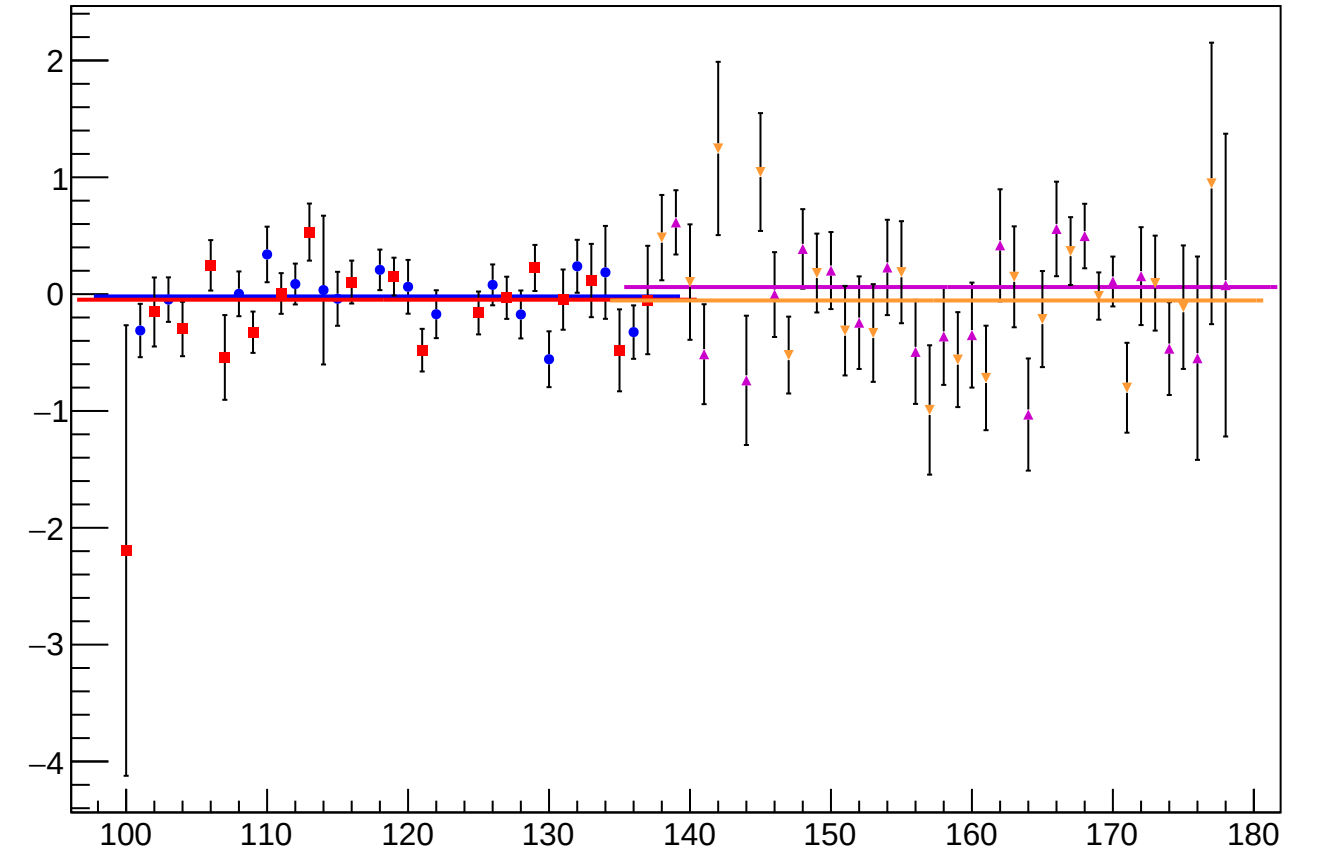
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 321.035+/-0.060 χ^2/NDF:2993055.1/19

+ sign 189.650+/-0.033 χ^2/NDF: 10060900.0/35

All: 186.188+/-0.023 χ^2/NDF: 21268787.2/73

- sign 182.932+/-0.032 χ^2/NDF: 11185912.4/37



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.054+/-0.087 χ^2/NDF:27.6/19

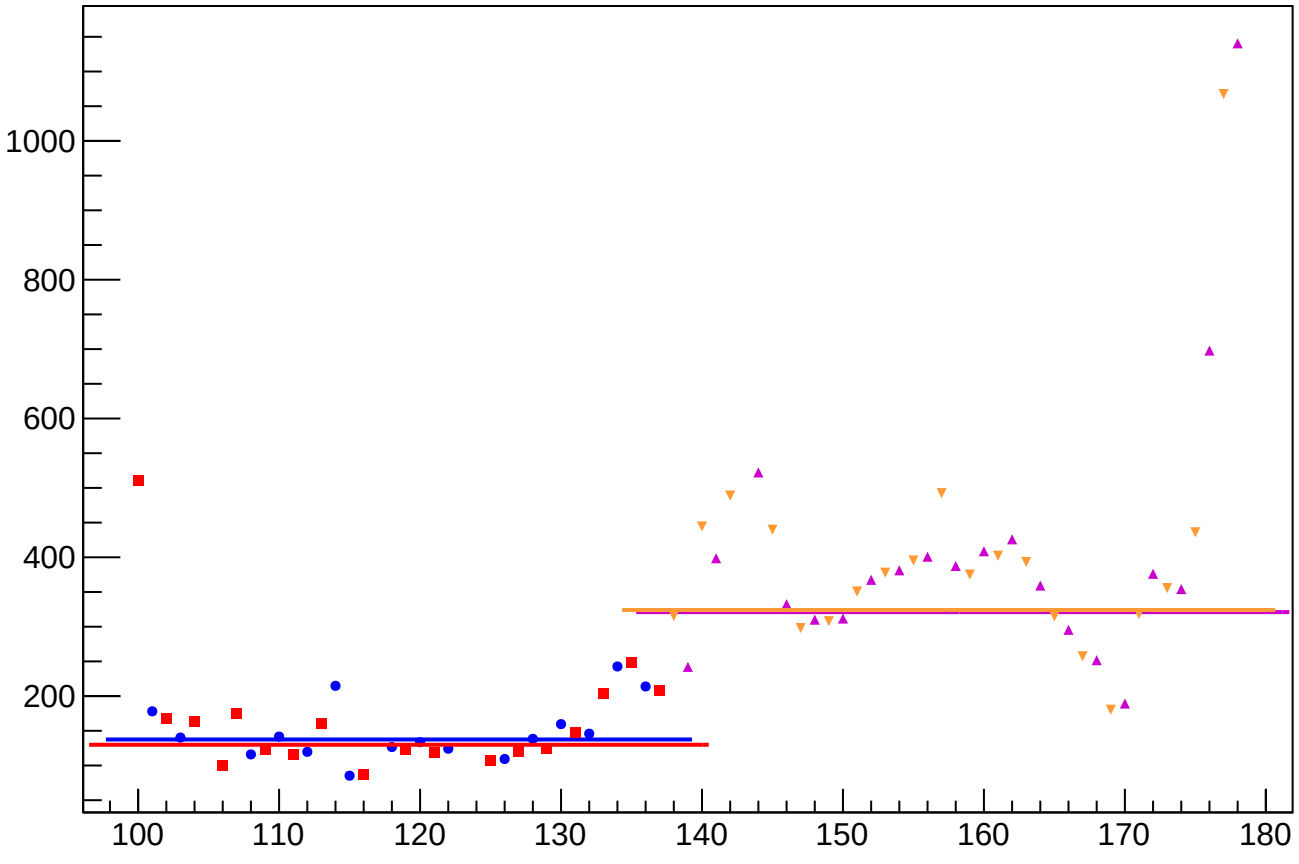
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.061+/-0.085 χ^2/NDF:25.3/19

+ sign -0.029+/-0.046 χ^2/NDF: 43.7/35

All: -0.023+/-0.032 χ^2/NDF: 96.5/73

- sign -0.018+/-0.045 χ^2/NDF: 52.8/37



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 324.015+/-0.062 χ^2/NDF:2746054.3/19

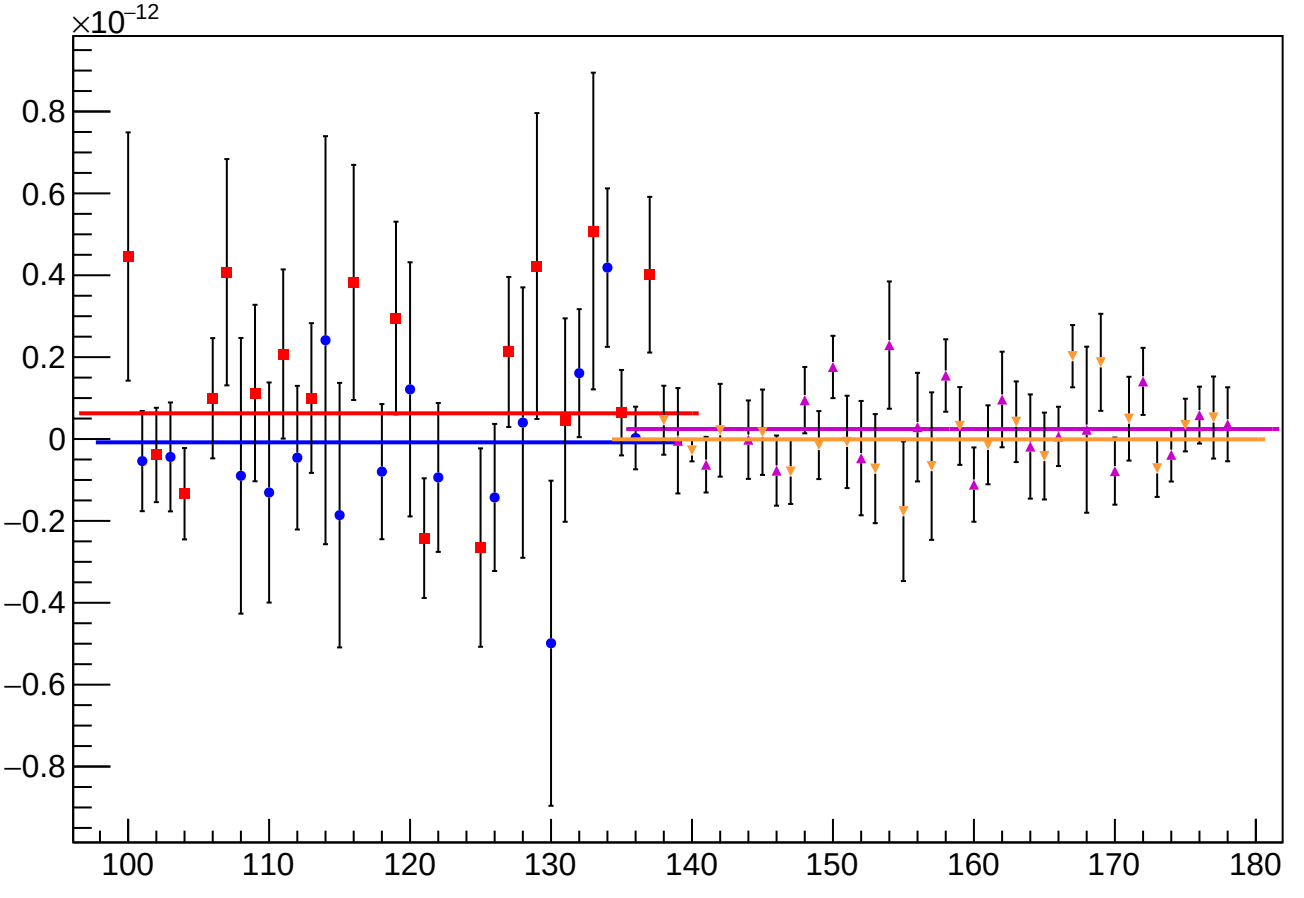
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 321.035+/-0.060 χ^2/NDF:2993055.1/19

+ sign 189.650+/-0.033 χ^2/NDF: 10060900.0/35

All: 186.188+/-0.023 χ^2/NDF: 21268787.2/73

- sign 182.932+/-0.032 χ^2/NDF: 11185912.4/37



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.9/19

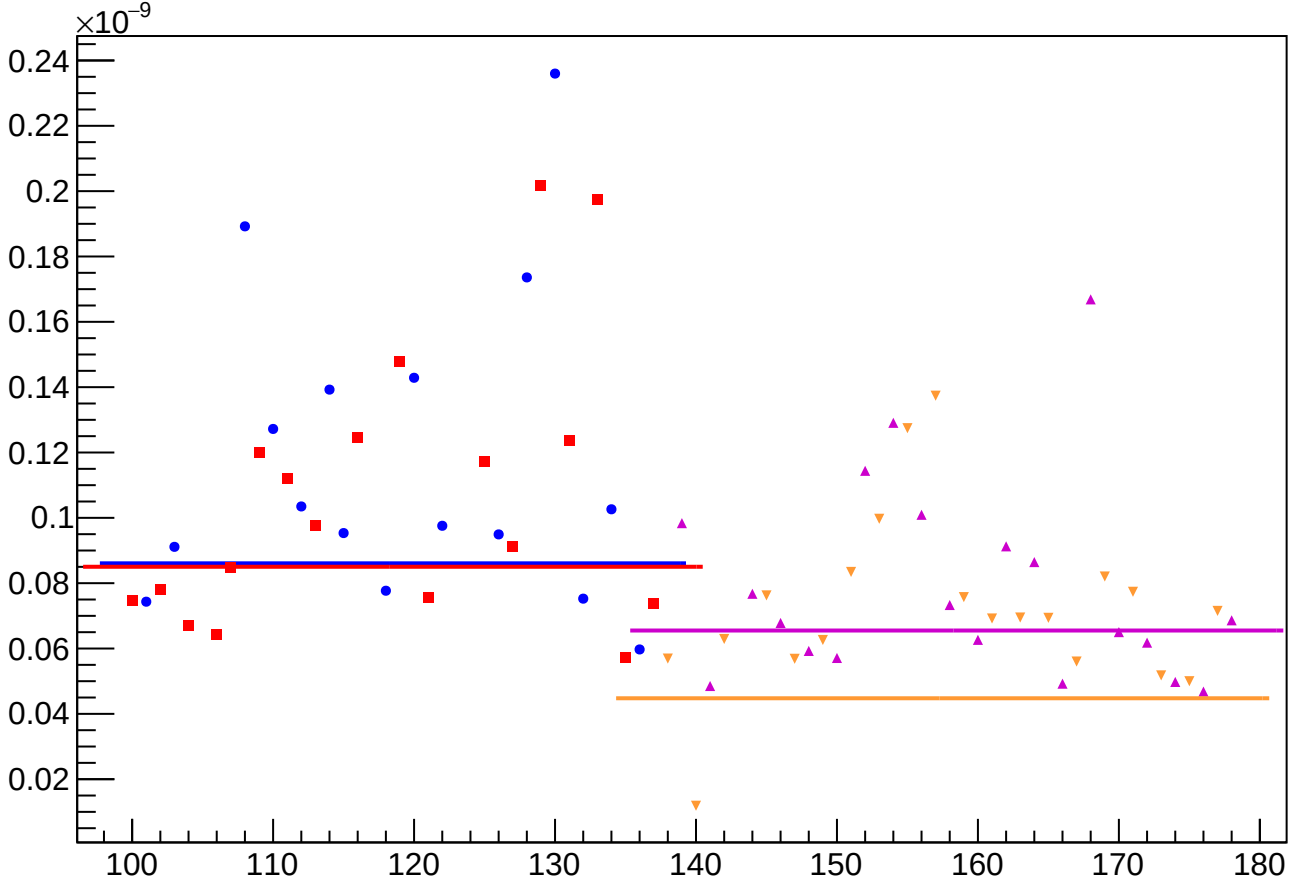
Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/17

Left In: 0.000+/-0.000 χ^2/NDF:19.6/19

+ sign -0.000+/-0.000 χ^2/NDF: 25.7/35

All: 0.000+/-0.000 χ^2/NDF: 70.2/73

- sign 0.000+/-0.000 χ^2/NDF: 42.5/37



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6222070.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

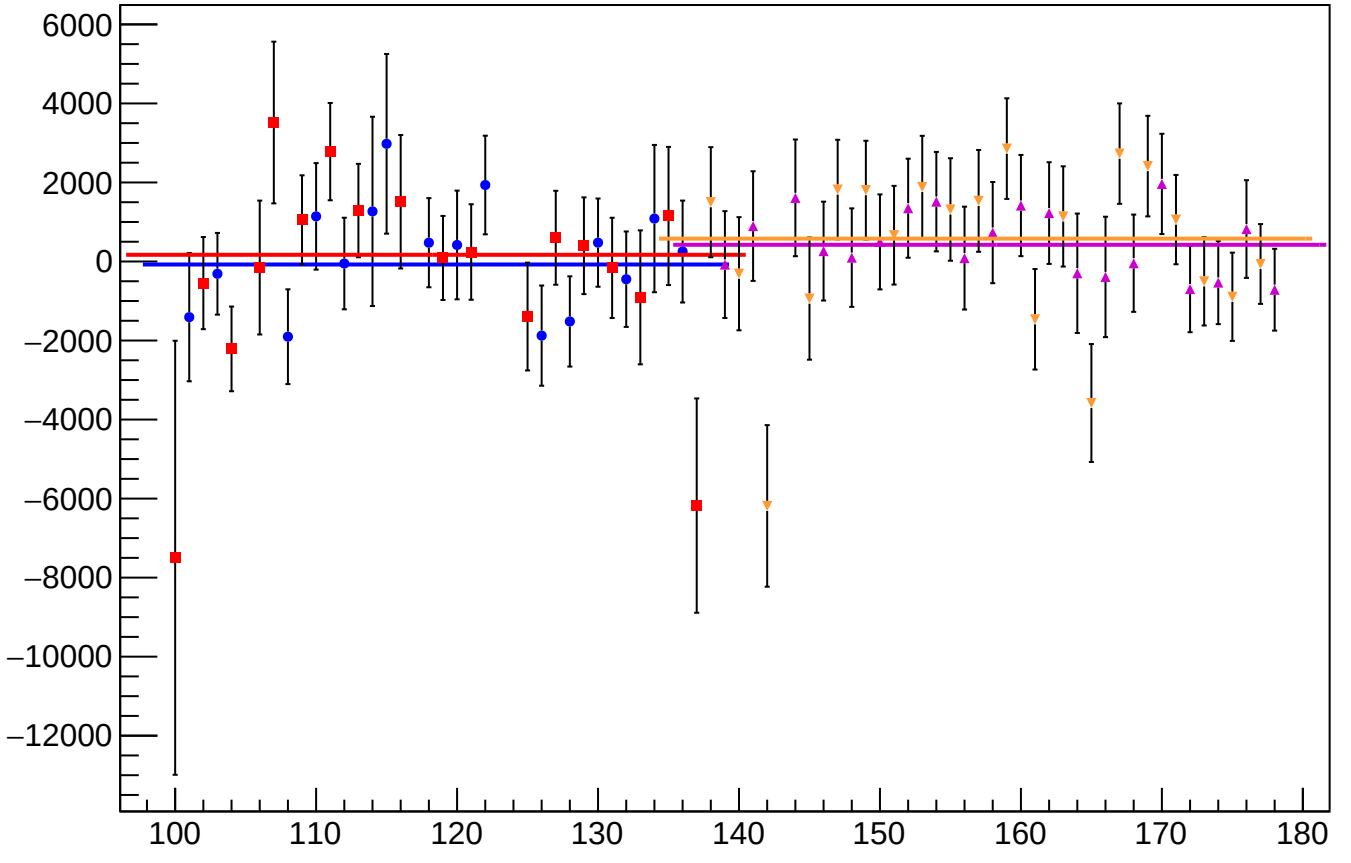
Left In: 0.000+/-0.000 χ^2/NDF:2079303.9/19

+ sign 0.000+/-0.000 χ^2/NDF: 8927913.0/35

All: 0.000+/-0.000 χ^2/NDF: 13574123.0/73

- sign 0.000+/-0.000 χ^2/NDF: 3416888.2/37

reg_asym_usl_atl2_dd_mean vs Slug



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: 578.351+/-285.407 χ^2/NDF:38.5/19

Right Out: 169.345+/-321.827 χ^2/NDF: 24.4/17

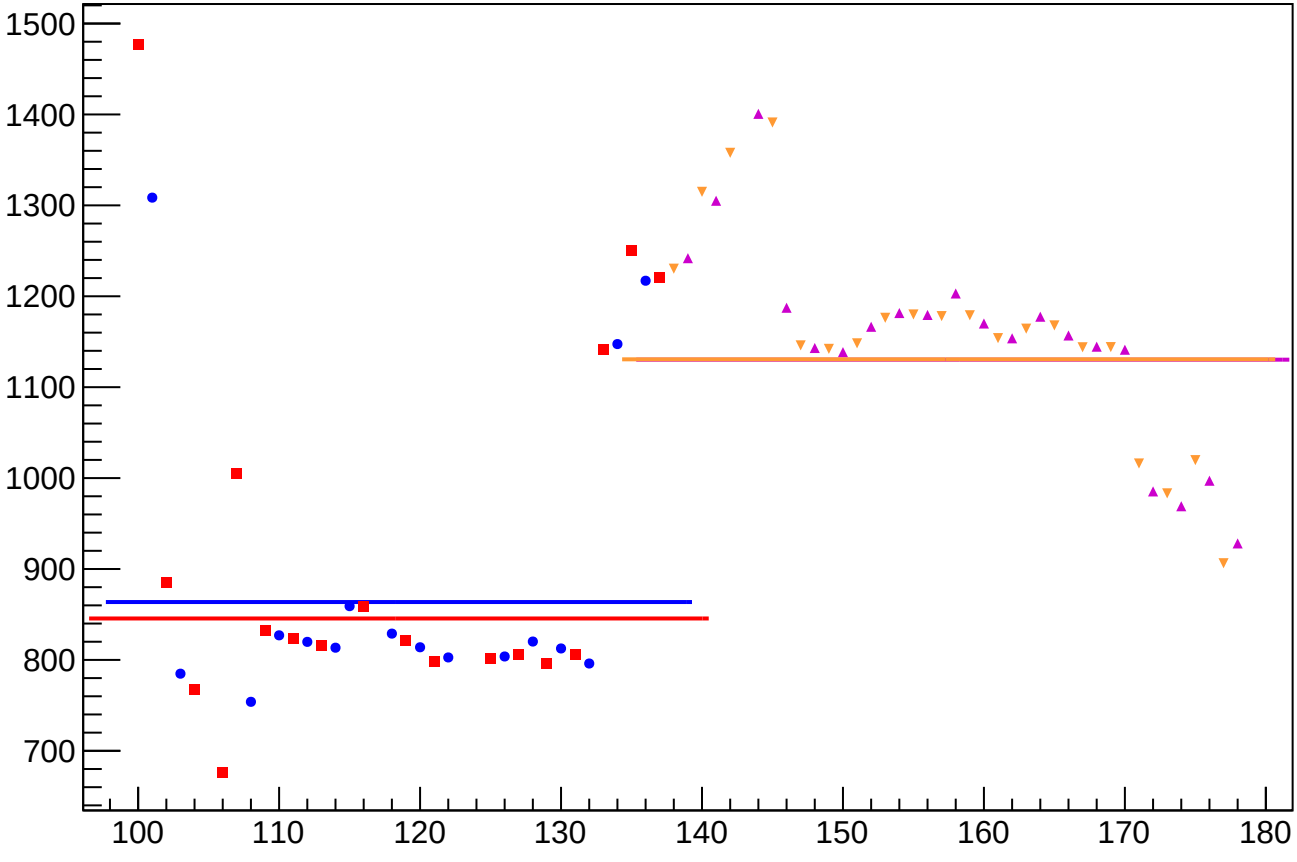
Left In: 422.725+/-281.050 χ^2/NDF:8.7/19

+ sign 294.677+/-214.804 χ^2/NDF: 54.1/35

All: 304.020+/-150.776 χ^2/NDF: 87.6/73

- sign 313.095+/-211.690 χ^2/NDF: 33.4/37

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1130.644+/-0.202 χ^2/NDF:314260.6/19

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

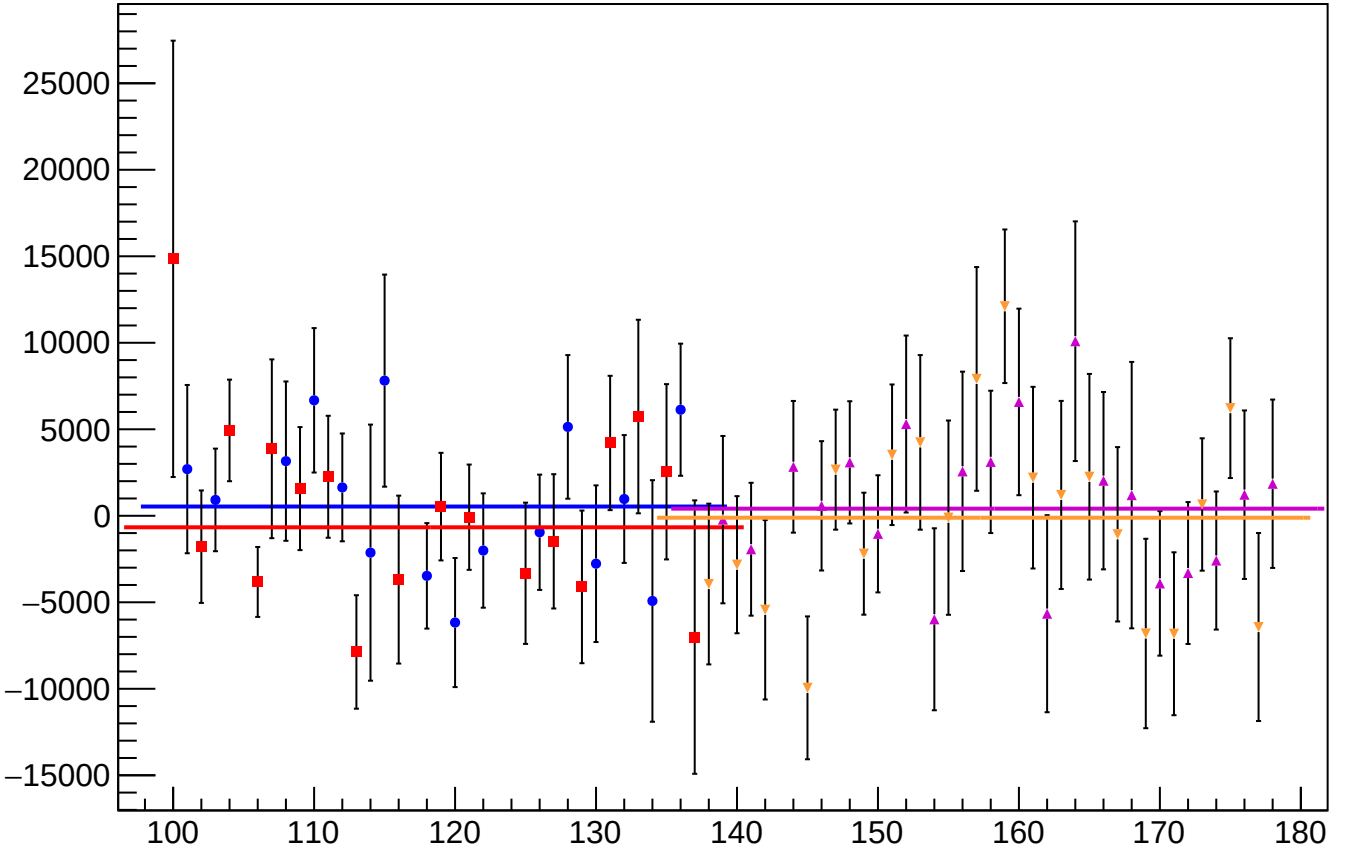
Left In: 1130.258+/-0.199 χ^2/NDF:318345.4/19

+ sign 1014.892+/-0.152 χ^2/NDF: 1480538.6/35

All: 1010.023+/-0.106 χ^2/NDF: 3009057.6/73

- sign 1005.345+/-0.149 χ^2/NDF: 1526504.2/37

asym_usl_atl2_dd_reg_correction_mean vs Slug



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: -111.895+/-1023.082 χ^2/NDF:27.4/19

Right Out: -665.878+/-864.970 χ^2/NDF: 20.0/17

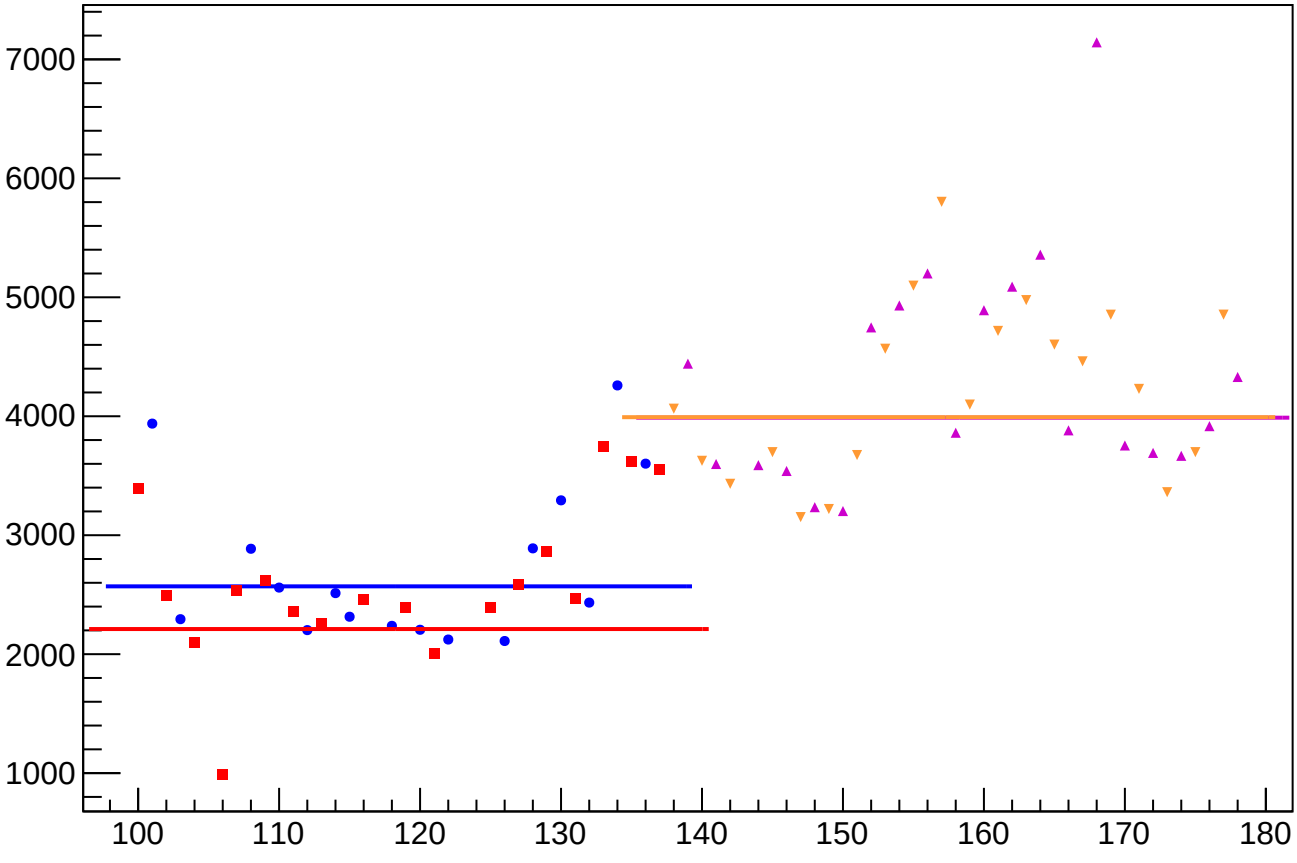
Left In: 411.837+/-1006.564 χ^2/NDF:11.6/19

\+ sign 224.778+/-708.191 χ^2/NDF: 42.2/35

All: -8.186+/-481.266 χ^2/NDF: 74.6/73

\- sign -208.093+/-656.025 χ^2/NDF: 32.2/37

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 3992.171+/-0.723 χ^2/NDF:849963.2/19

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

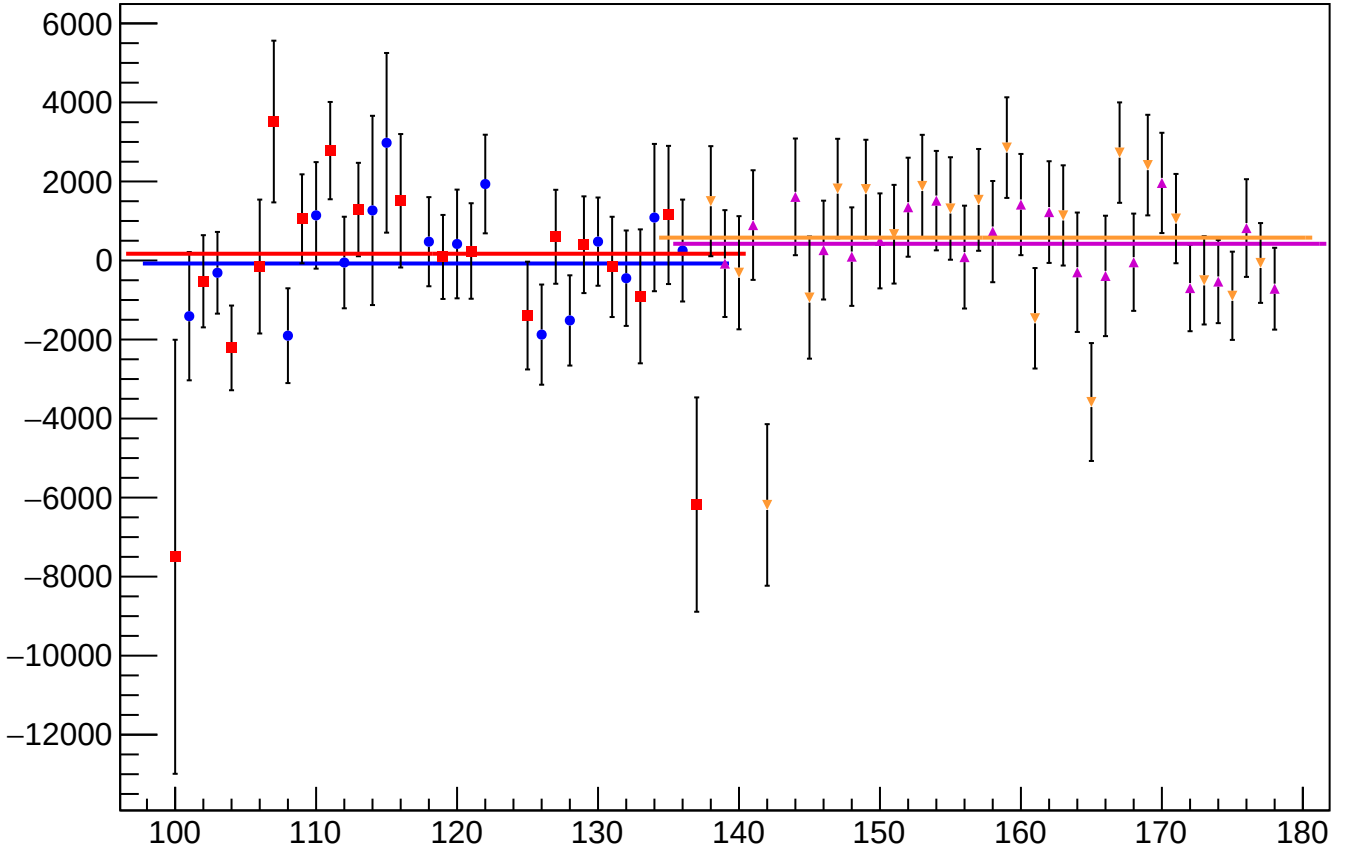
Left In: 3988.000+/-0.712 χ^2/NDF:1071777.9/19

+ sign 3251.516+/-0.501 χ^2/NDF: 3524939.9/35

All: 3097.844+/-0.340 χ^2/NDF: 9620287.5/73

- sign 2965.978+/-0.464 χ^2/NDF: 5920368.0/37

cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 578.396+/-285.407 χ^2/NDF:38.5/19

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

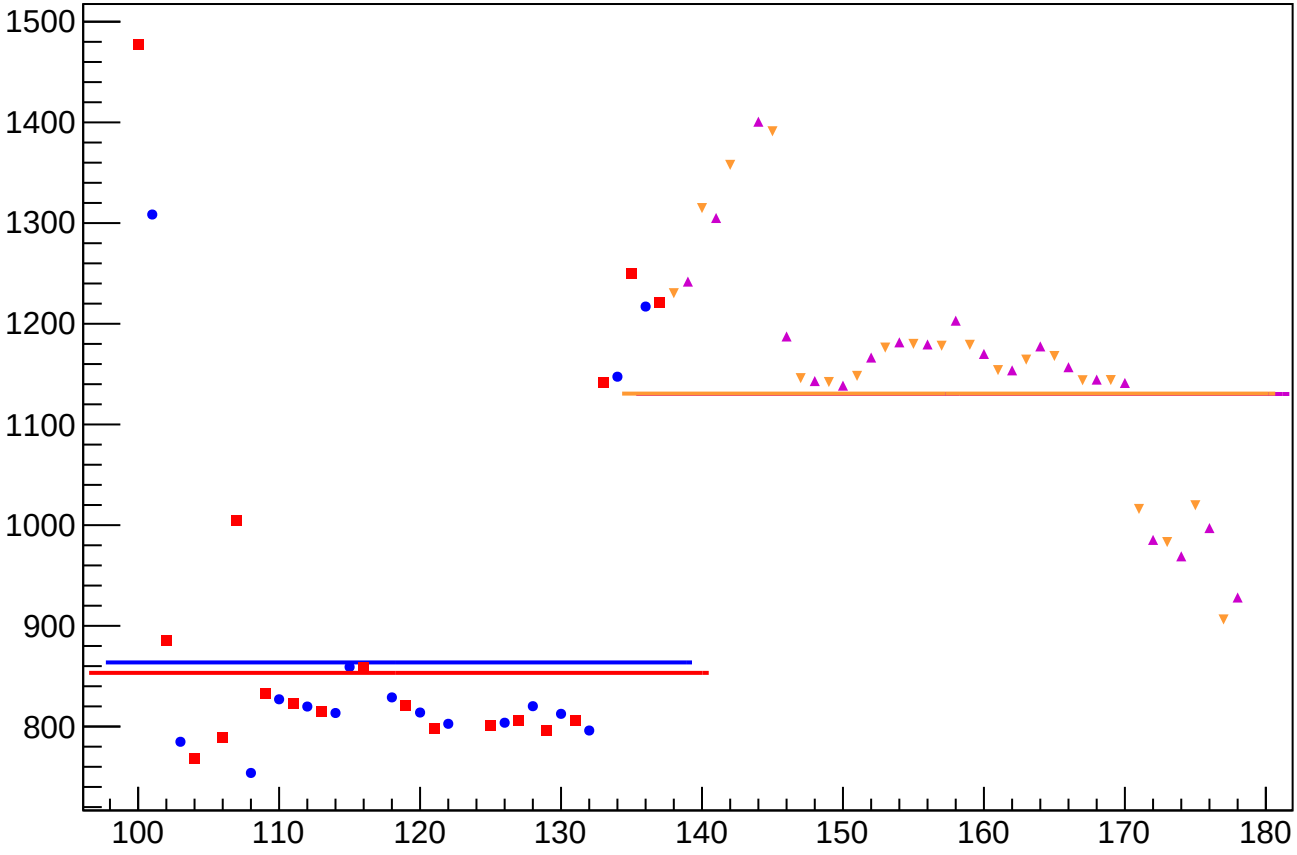
Left In: 422.691+/-281.050 χ^2/NDF:8.7/19

+ sign 294.668+/-214.804 χ^2/NDF: 54.2/35

All: 304.367+/-150.777 χ^2/NDF: 87.6/73

- sign 313.786+/-211.692 χ^2/NDF: 33.4/37

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1130.645+/-0.202 χ^2/NDF:314260.6/19

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

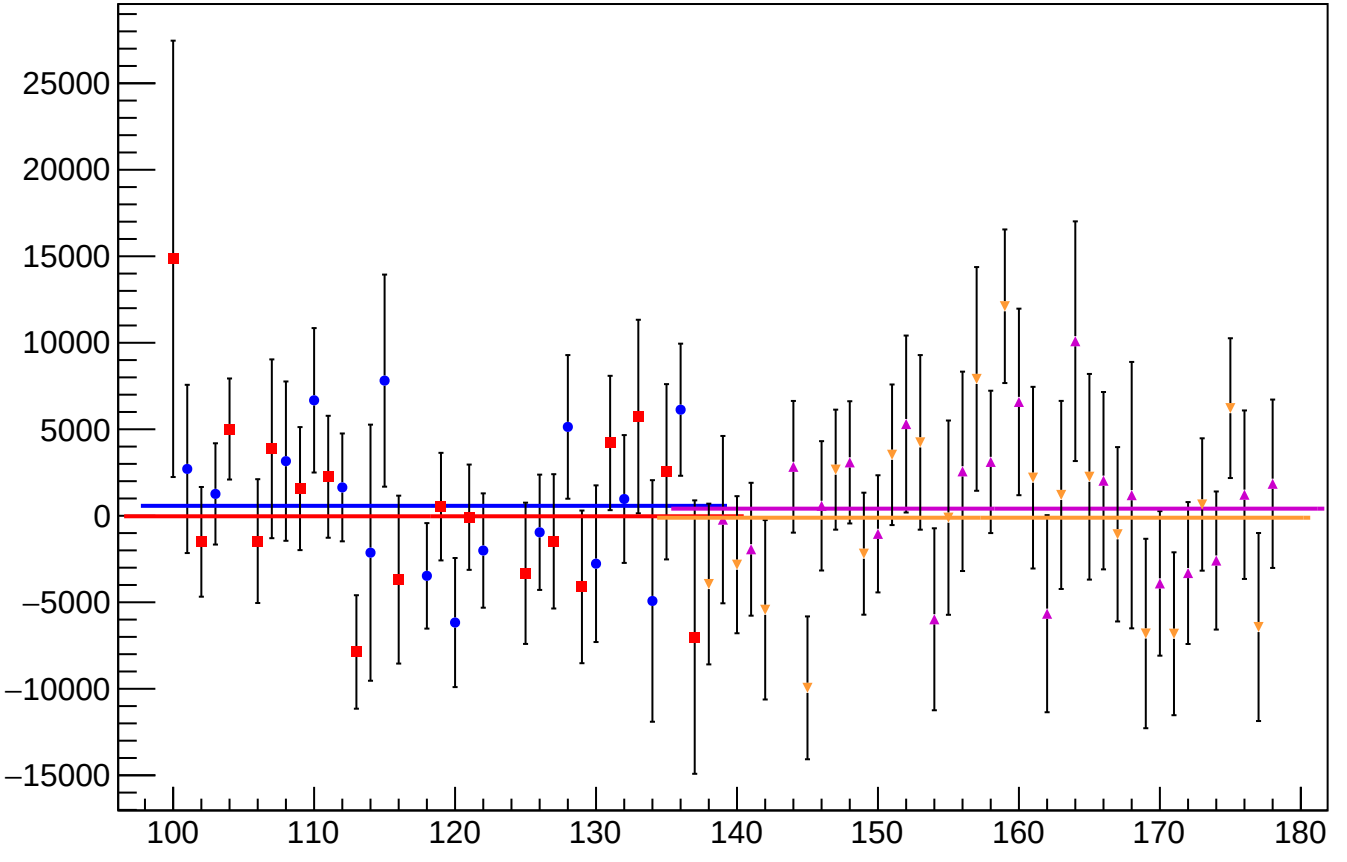
Left In: 1130.258+/-0.199 χ^2/NDF:318345.4/19

+ sign 1014.892+/-0.152 χ^2/NDF: 1480538.7/35

All: 1012.262+/-0.106 χ^2/NDF: 2920149.5/73

- sign 1009.720+/-0.149 χ^2/NDF: 1439021.2/37

asym_usl_atl2_dd_cor_correction_mean vs Slug



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -111.883+/-1023.082 χ^2/NDF:27.4/19

Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

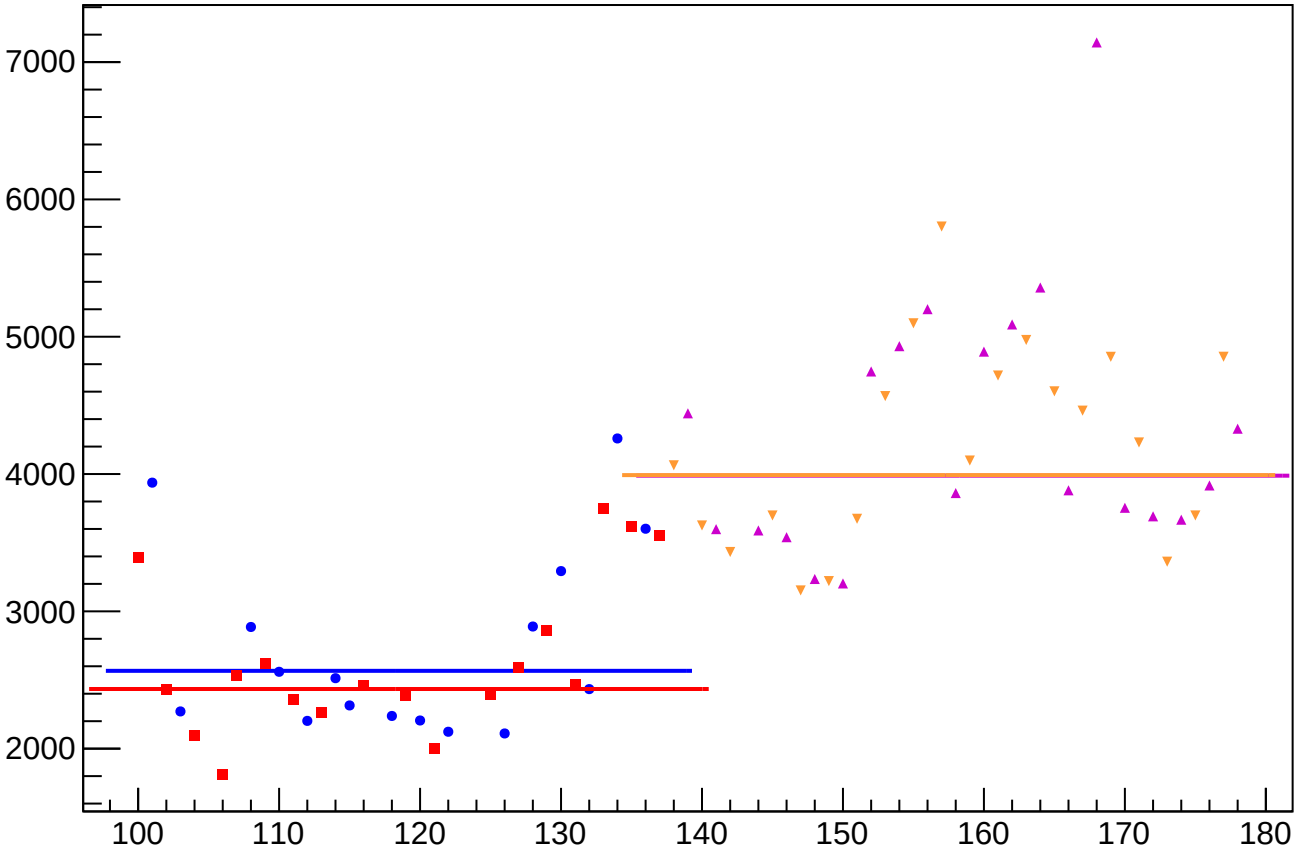
Left In: 411.887+/-1006.563 χ^2/NDF:11.6/19

+ sign 246.357+/-707.651 χ^2/NDF: 42.3/35

All: 207.897+/-490.291 χ^2/NDF: 71.2/73

- sign 172.391+/-679.932 χ^2/NDF: 28.9/37

asym_usl_atl2_dd_cor_correction_rms vs Slug



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3992.172+/-0.723 χ^2/NDF:849959.3/19

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

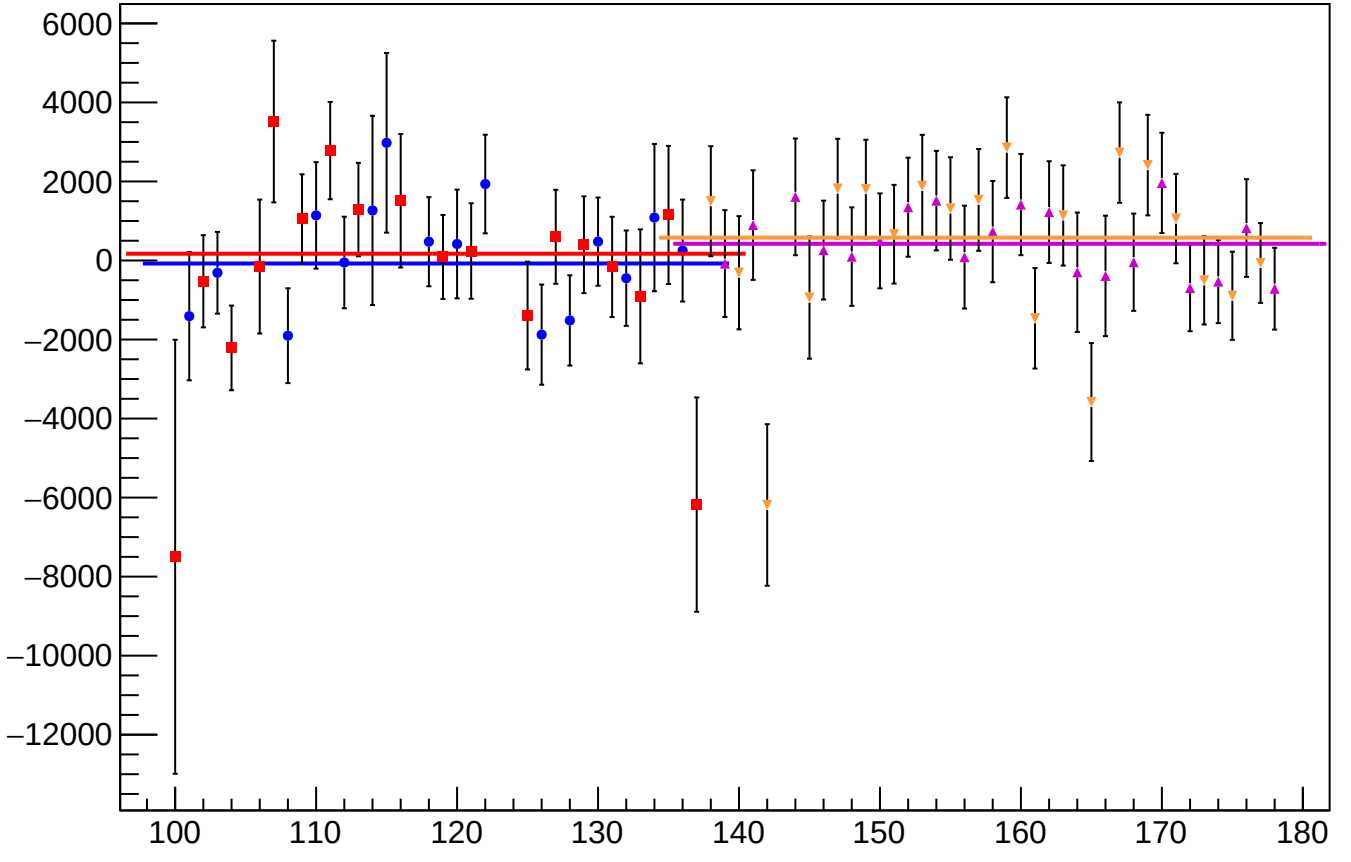
Left In: 3987.996+/-0.712 χ^2/NDF:1071781.9/19

+ sign 3248.704+/-0.500 χ^2/NDF: 3540810.1/35

All: 3193.907+/-0.347 χ^2/NDF: 7660139.9/73

- sign 3143.319+/-0.481 χ^2/NDF: 4096266.5/37

eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 578.396+/-285.407 χ^2/NDF:38.5/19

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

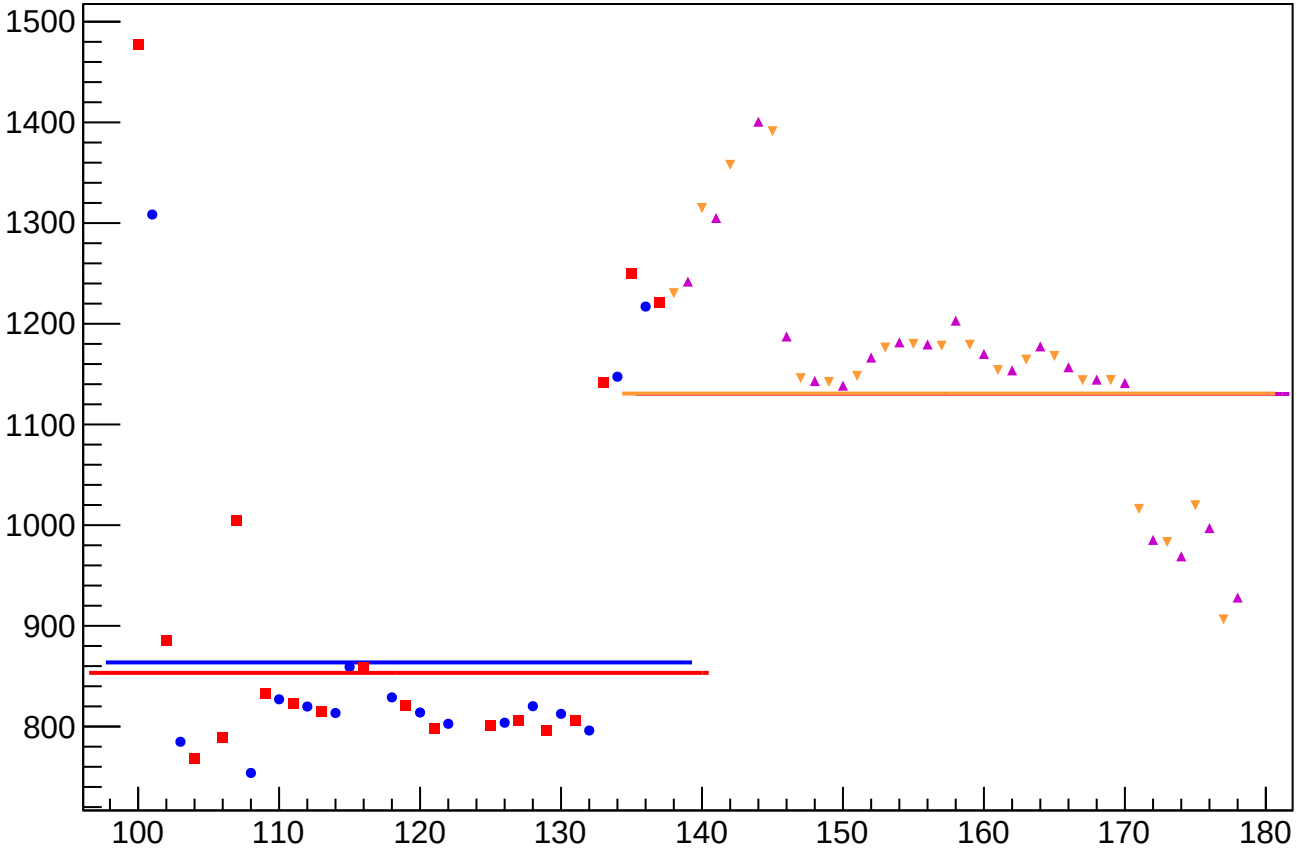
Left In: 422.691+/-281.050 χ^2/NDF:8.7/19

+ sign 294.668+/-214.804 χ^2/NDF: 54.2/35

All: 304.367+/-150.777 χ^2/NDF: 87.6/73

- sign 313.786+/-211.692 χ^2/NDF: 33.4/37

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1130.645+/-0.202 χ^2/NDF:314260.6/19

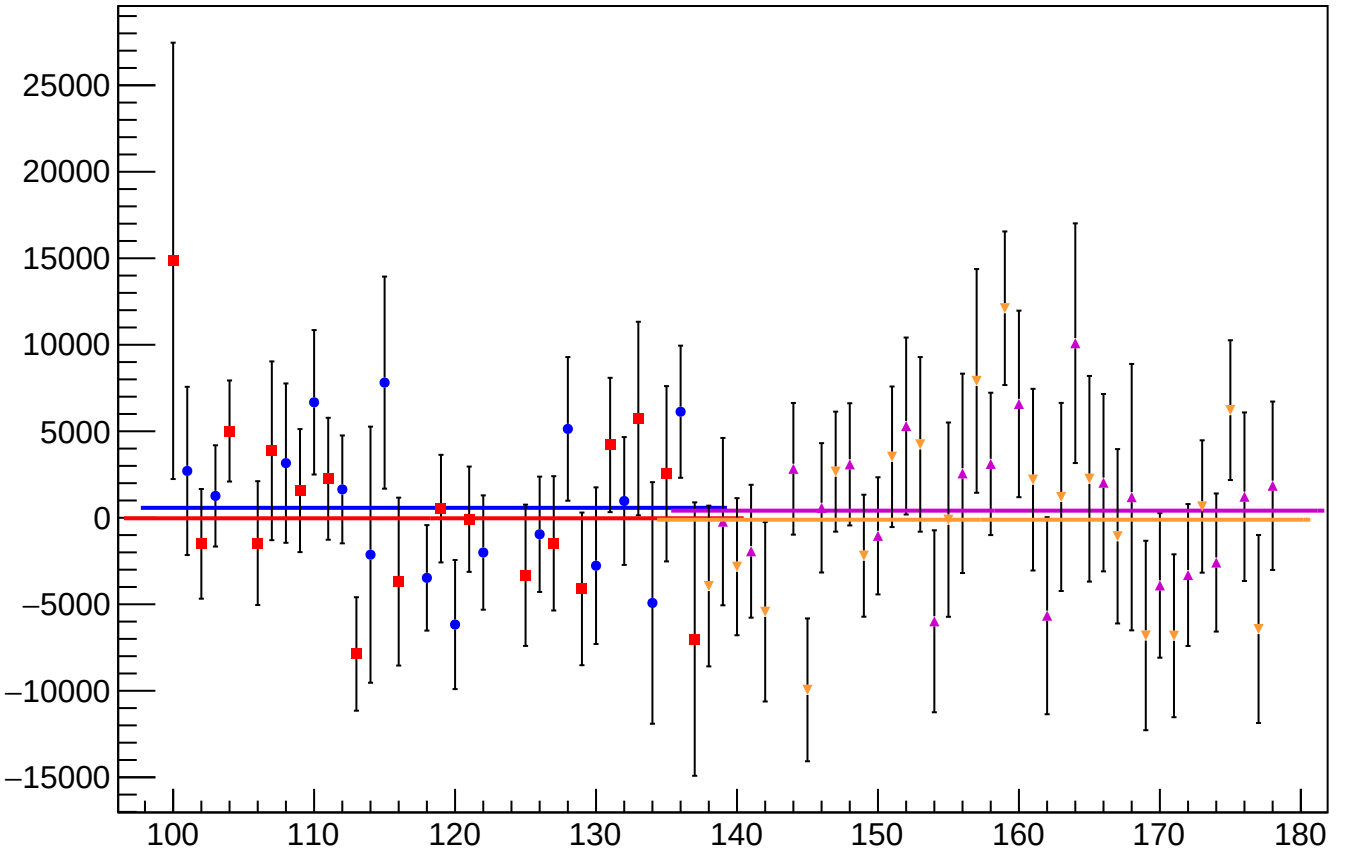
Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1130.258+/-0.199 χ^2/NDF:318345.4/19

+ sign 1014.892+/-0.152 χ^2/NDF: 1480538.7/35

All: 1012.262+/-0.106 χ^2/NDF: 2920149.5/73

- sign 1009.720+/-0.149 χ^2/NDF: 1439021.2/37



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -111.883+/-1023.082 χ^2/NDF:27.4/19

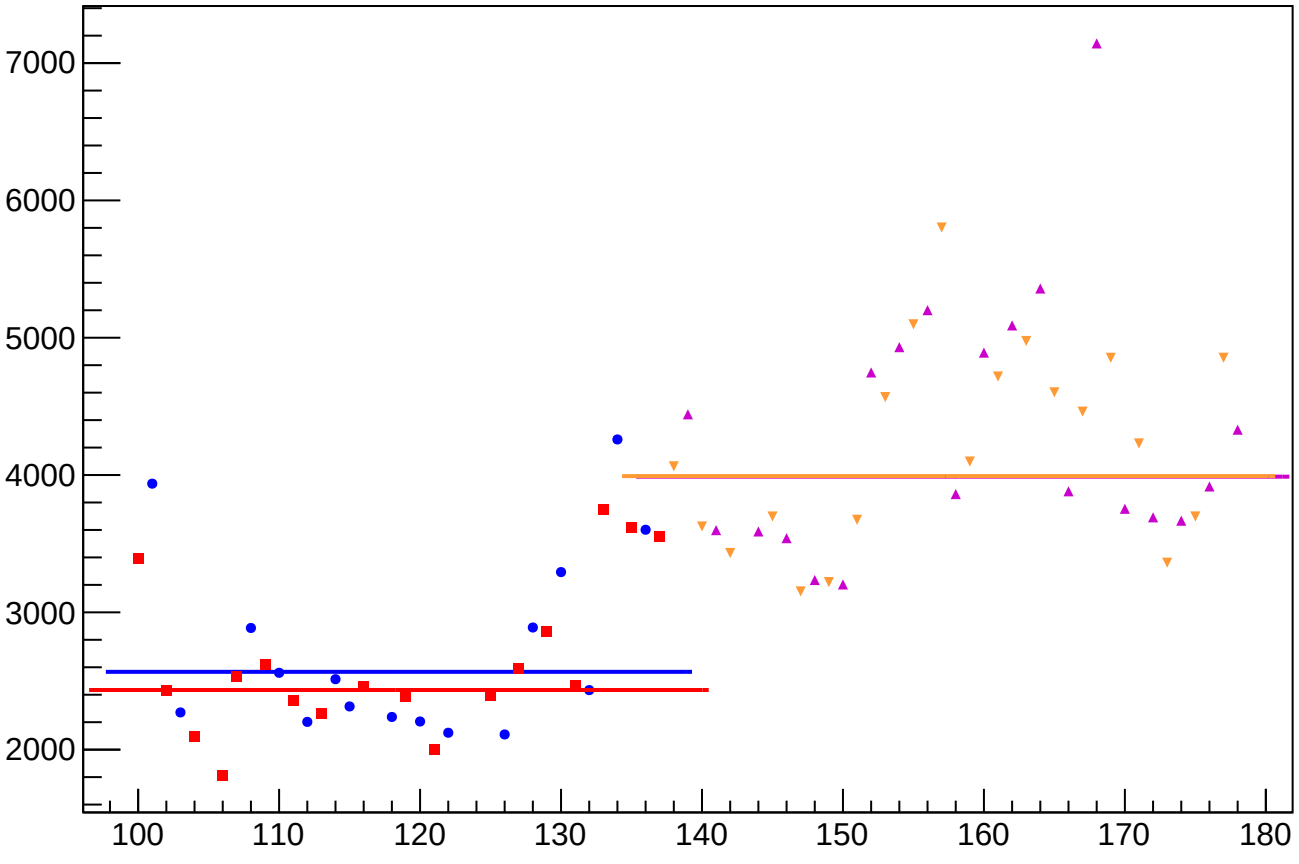
Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: 411.887+/-1006.563 χ^2/NDF:11.6/19

+ sign 246.357+/-707.651 χ^2/NDF: 42.3/35

All: 207.897+/-490.291 χ^2/NDF: 71.2/73

- sign 172.391+/-679.932 χ^2/NDF: 28.9/37



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3992.172+/-0.723 χ^2/NDF:849959.3/19

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

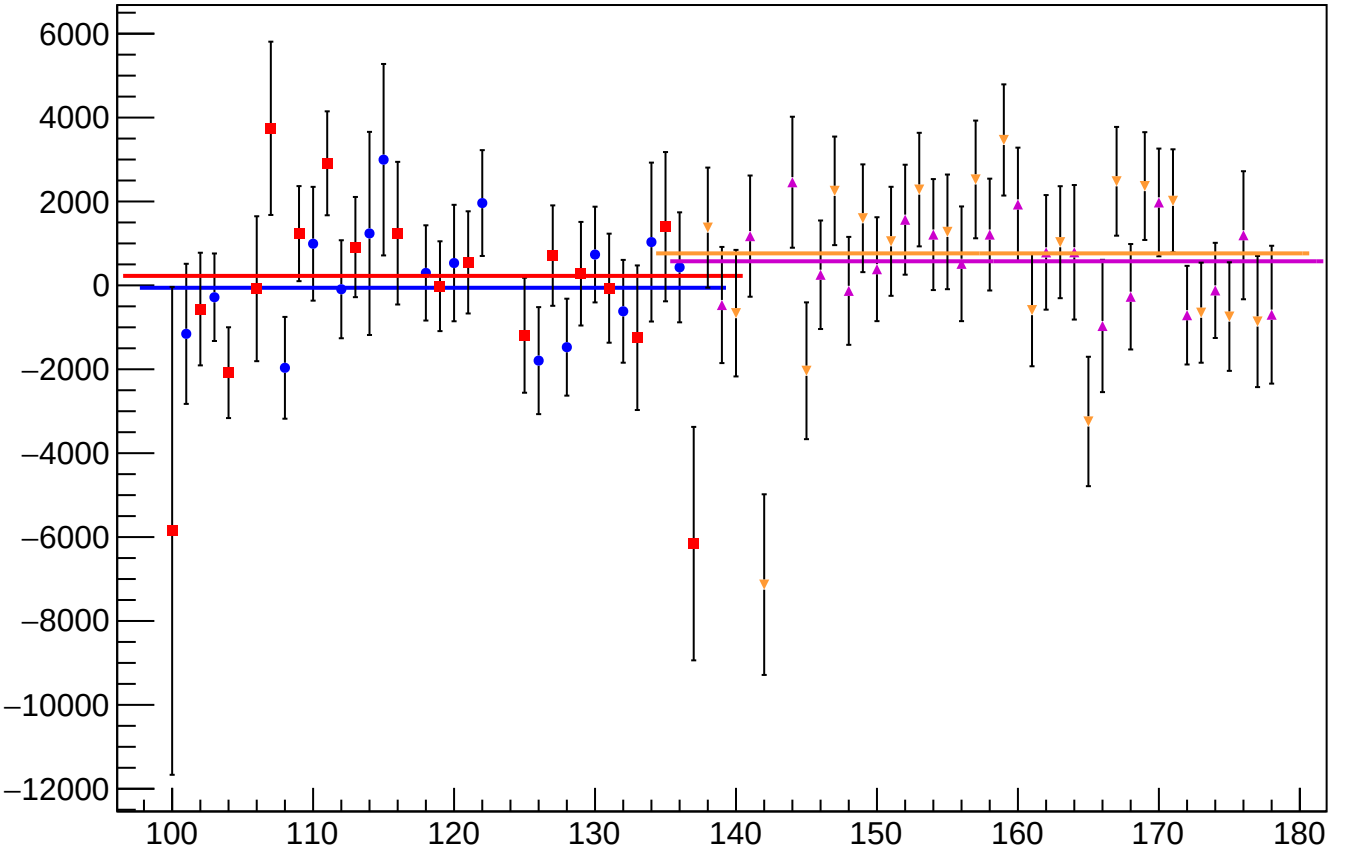
Left In: 3987.996+/-0.712 χ^2/NDF:1071781.9/19

+ sign 3248.704+/-0.500 χ^2/NDF: 3540810.1/35

All: 3193.907+/-0.347 χ^2/NDF: 7660139.9/73

- sign 3143.319+/-0.481 χ^2/NDF: 4096266.5/37

dit_asym_usl_atl2_dd_mean vs Slug



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: 762.994+/-307.344 χ^2/NDF:42.4/19

Right Out: 226.075+/-328.069 χ^2/NDF: 22.9/17

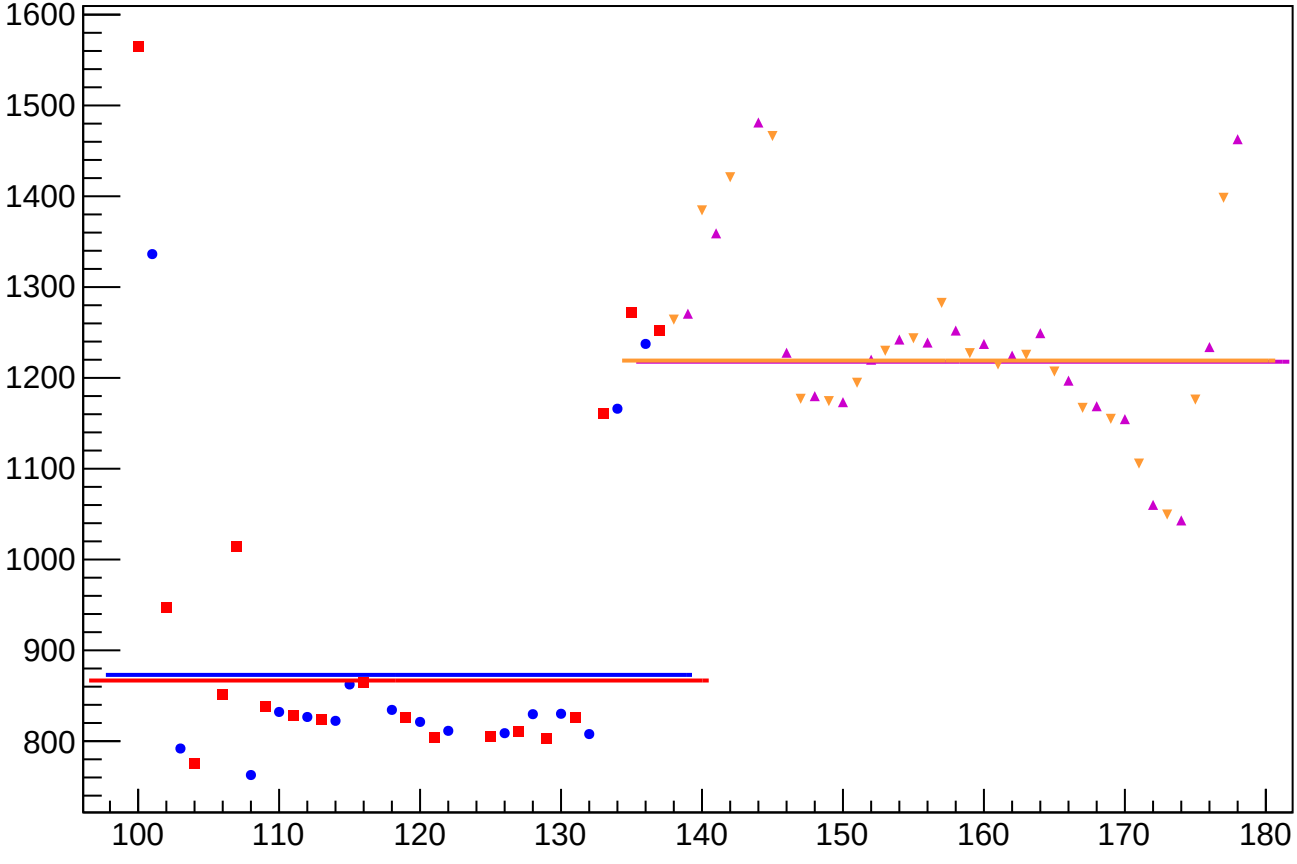
Left In: 574.381+/-302.498 χ^2/NDF:9.6/19

+ sign 382.121+/-224.936 χ^2/NDF: 58.7/35

All: 398.408+/-158.146 χ^2/NDF: 91.8/73

- sign 414.329+/-222.389 χ^2/NDF: 33.1/37

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1219.080+/-0.217 χ^2/NDF:194157.9/19

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

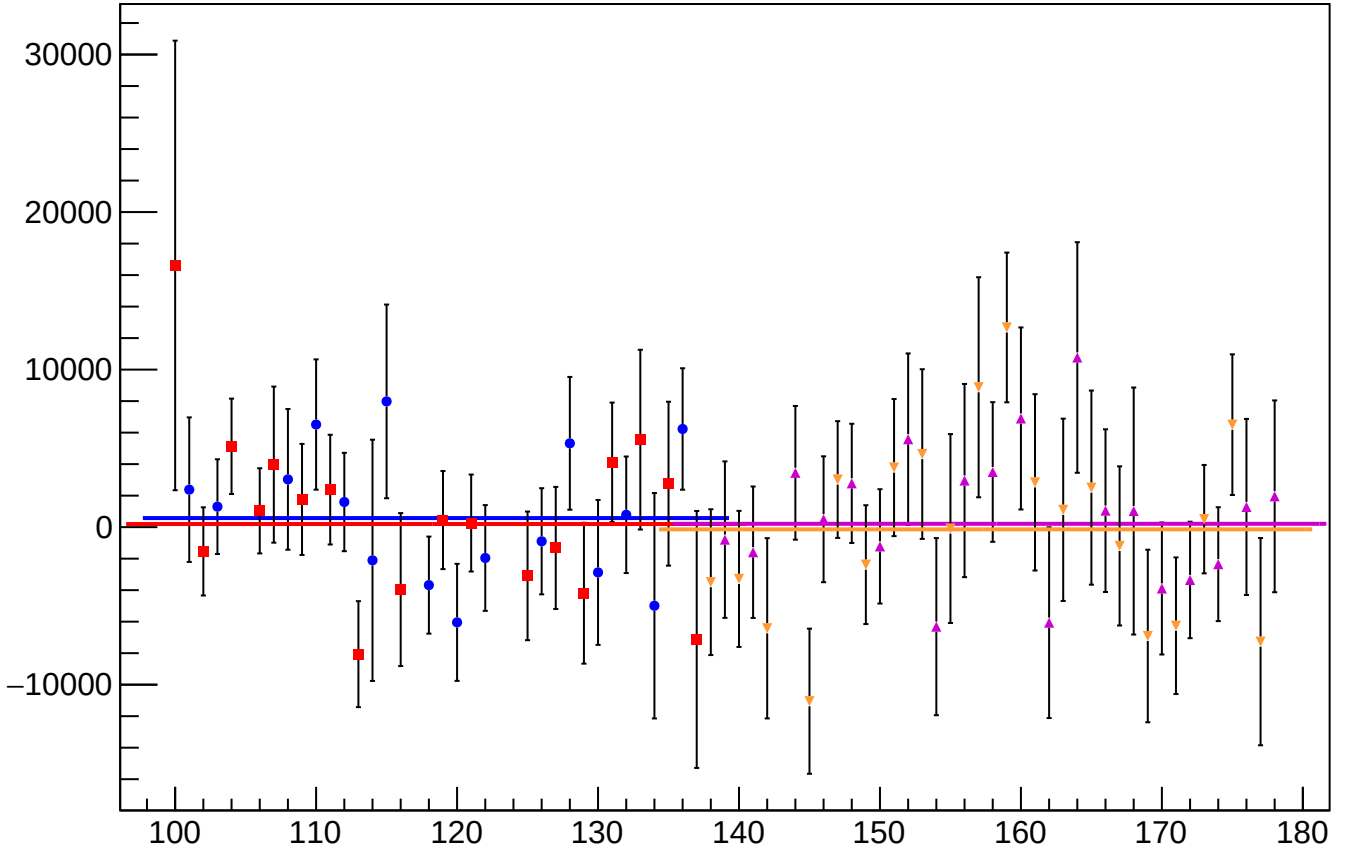
Left In: 1217.809+/-0.214 χ^2/NDF:223531.2/19

+ sign 1058.359+/-0.159 χ^2/NDF: 1789036.1/35

All: 1057.333+/-0.112 χ^2/NDF: 3541988.1/73

- sign 1056.330+/-0.157 χ^2/NDF: 1752869.6/37

asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: -139.703+/-1070.544 χ^2/NDF:27.0/19

Right Out: 197.953+/-894.121 χ^2/NDF: 17.2/17

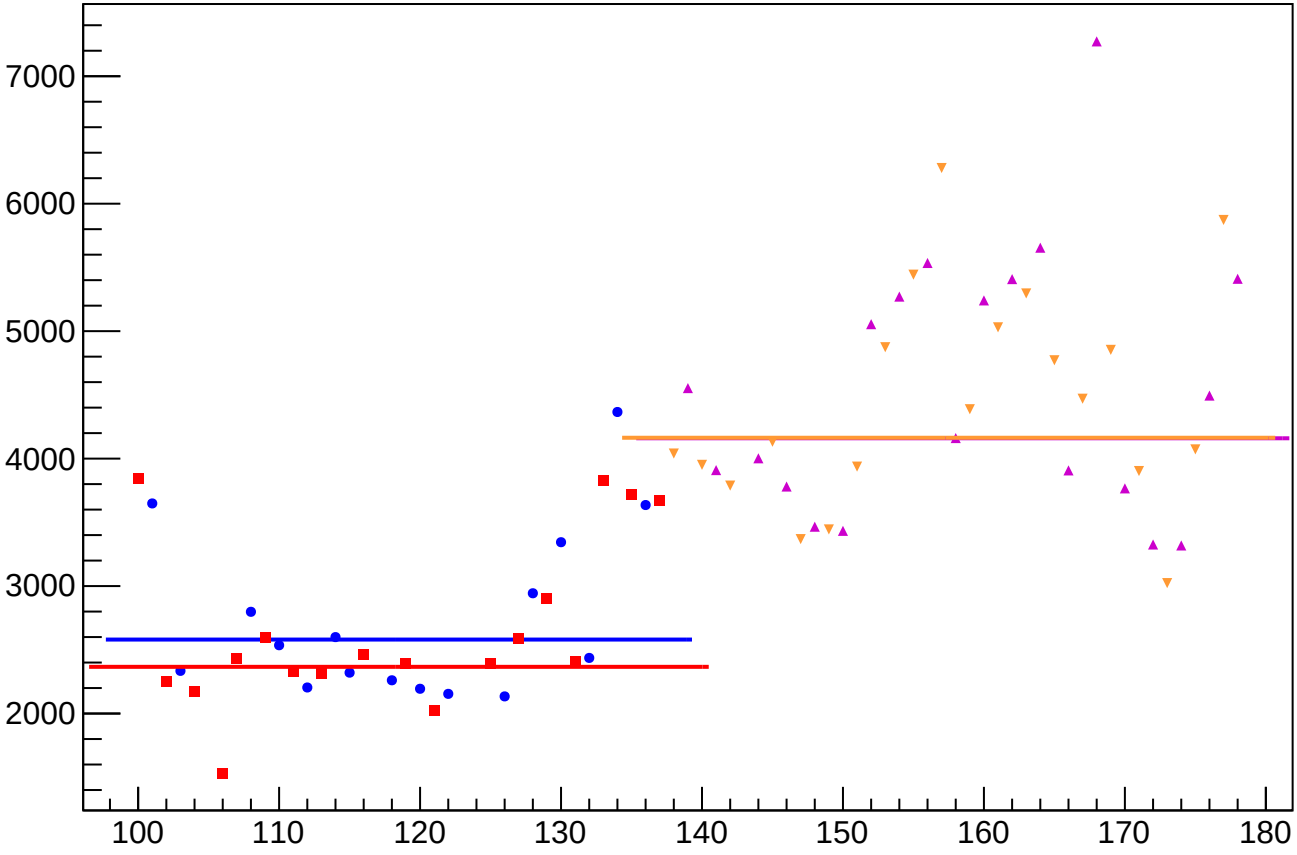
Left In: 211.879+/-1053.983 χ^2/NDF:11.5/19

+ sign 247.527+/-724.814 χ^2/NDF: 41.9/35

All: 224.319+/-496.627 χ^2/NDF: 70.6/73

- sign 203.781+/-681.829 χ^2/NDF: 28.7/37

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 4163.674+/-0.757 χ^2/NDF:1044808.0/19

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

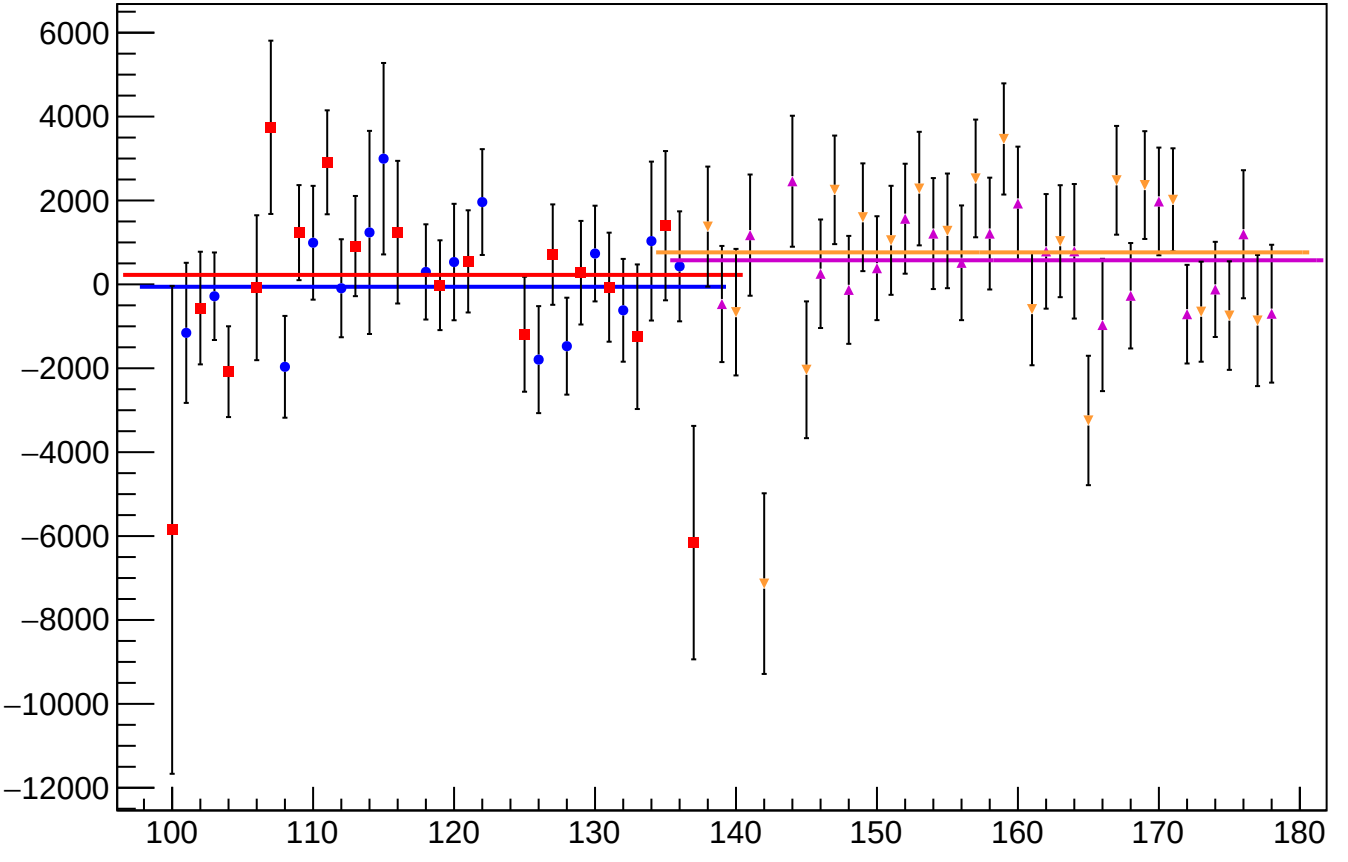
Left In: 4159.521+/-0.745 χ^2/NDF:1298763.3/19

+ sign 3306.160+/-0.513 χ^2/NDF: 4031293.4/35

All: 3205.703+/-0.351 χ^2/NDF: 9380324.3/73

- sign 3116.808+/-0.482 χ^2/NDF: 5276616.8/37

eigen_dit_asym_usl_atl2_dd_mean vs Slug



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: 762.995+/-307.344 χ^2/NDF:42.4/19

Right Out: 226.078+/-328.069 χ^2/NDF: 22.9/17

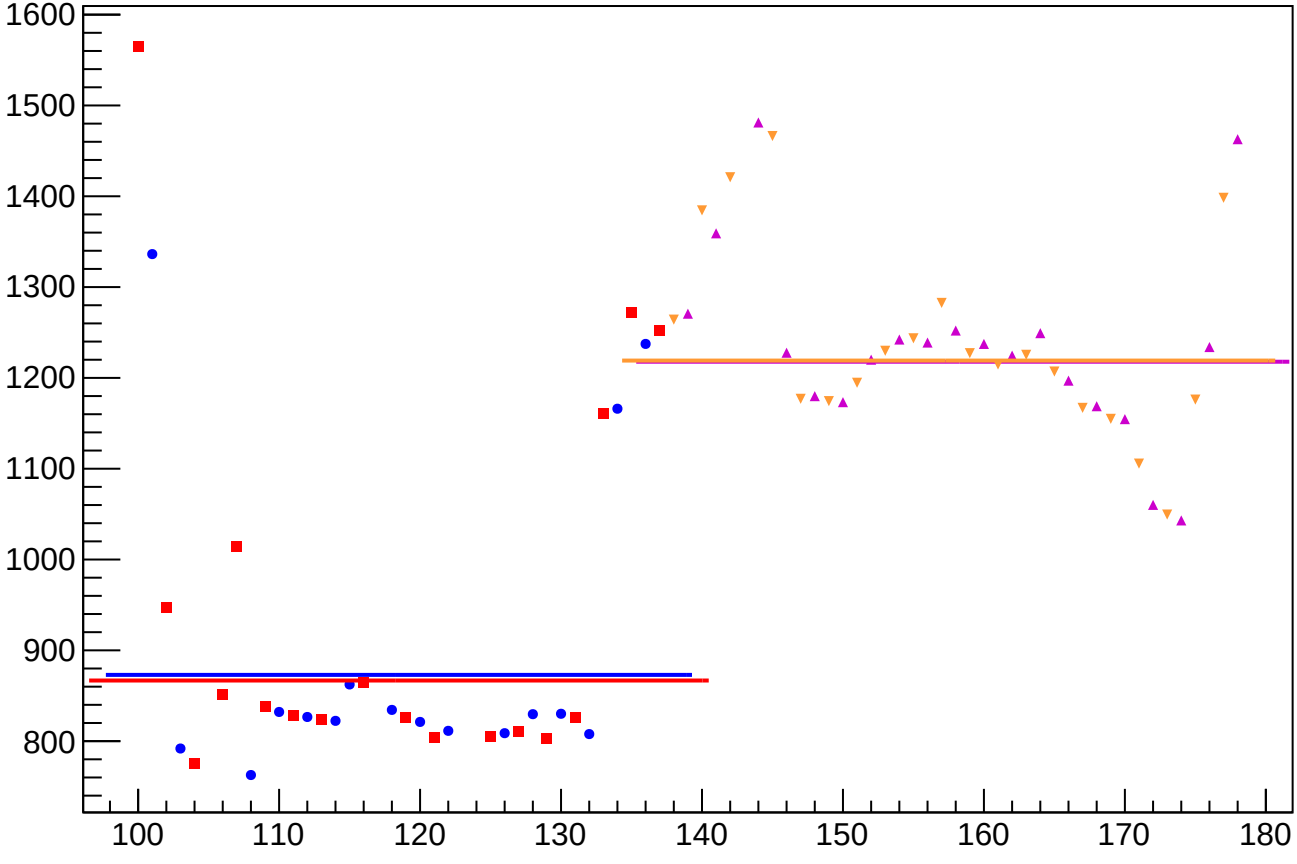
Left In: 574.380+/-302.498 χ^2/NDF:9.6/19

+ sign 382.120+/-224.936 χ^2/NDF: 58.7/35

All: 398.408+/-158.146 χ^2/NDF: 91.8/73

- sign 414.330+/-222.390 χ^2/NDF: 33.1/37

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1219.080+/-0.217 χ^2/NDF:194167.7/19

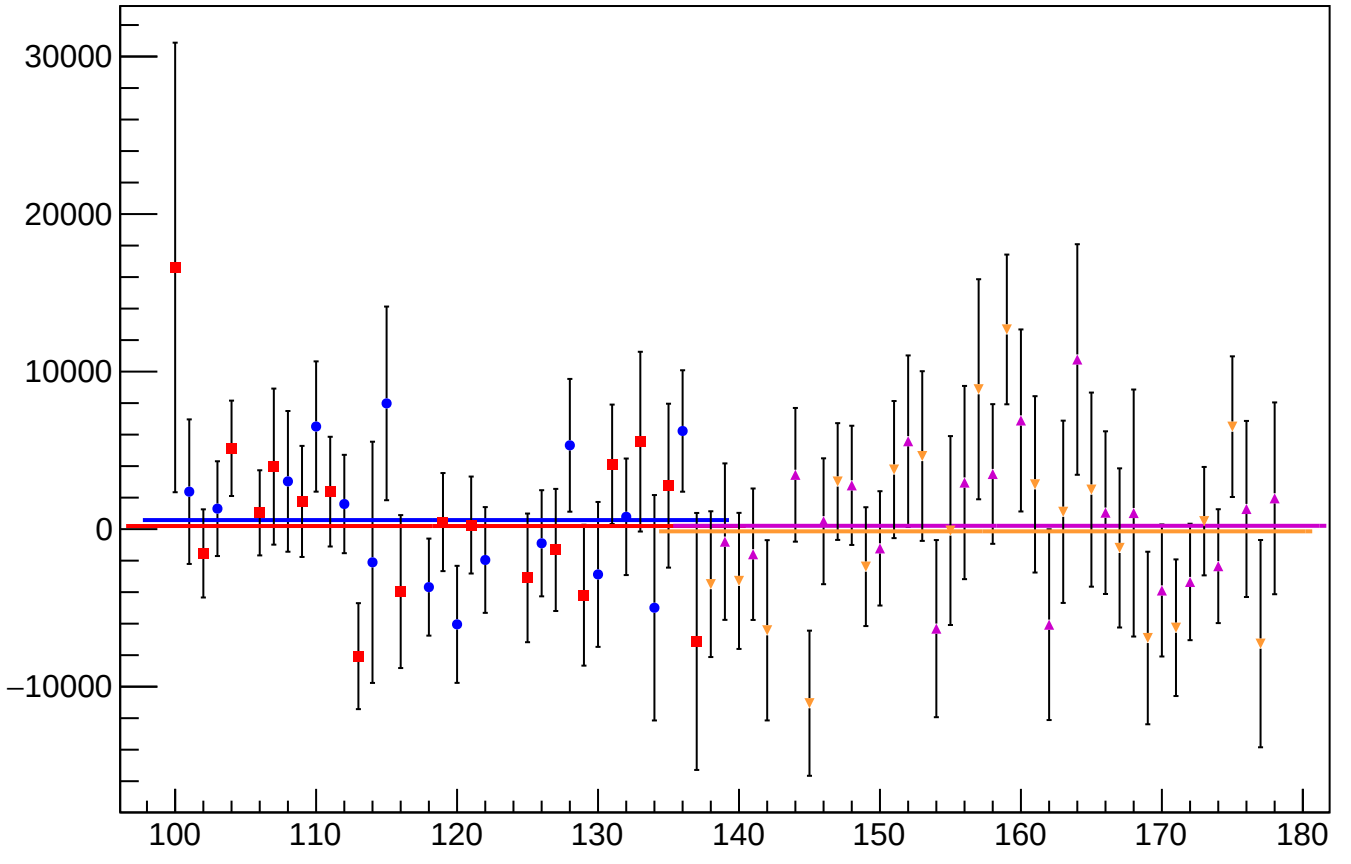
Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1217.810+/-0.214 χ^2/NDF:223541.3/19

+ sign 1058.359+/-0.159 χ^2/NDF: 1789048.1/35

All: 1057.333+/-0.112 χ^2/NDF: 3542013.7/73

- sign 1056.330+/-0.157 χ^2/NDF: 1752883.3/37



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: -139.702+/-1070.546 χ^2/NDF:27.0/19

Right Out: 197.955+/-894.119 χ^2/NDF: 17.2/17

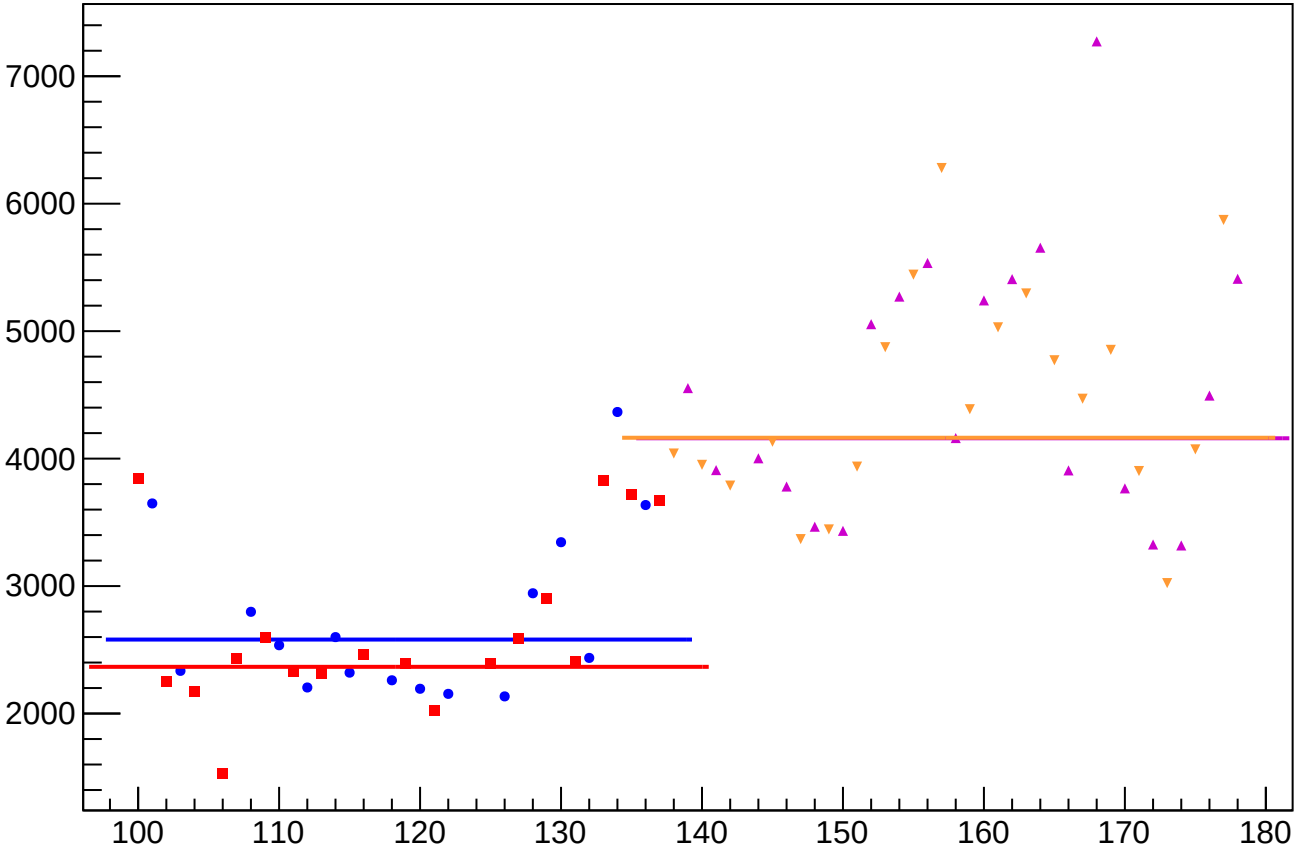
Left In: 211.880+/-1053.985 χ^2/NDF:11.5/19

\+ sign 247.527+/-724.813 χ^2/NDF: 41.9/35

All: 224.319+/-496.627 χ^2/NDF: 70.6/73

\- sign 203.782+/-681.828 χ^2/NDF: 28.7/37

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 4163.683+/-0.757 χ^2/NDF:1044806.5/19

Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

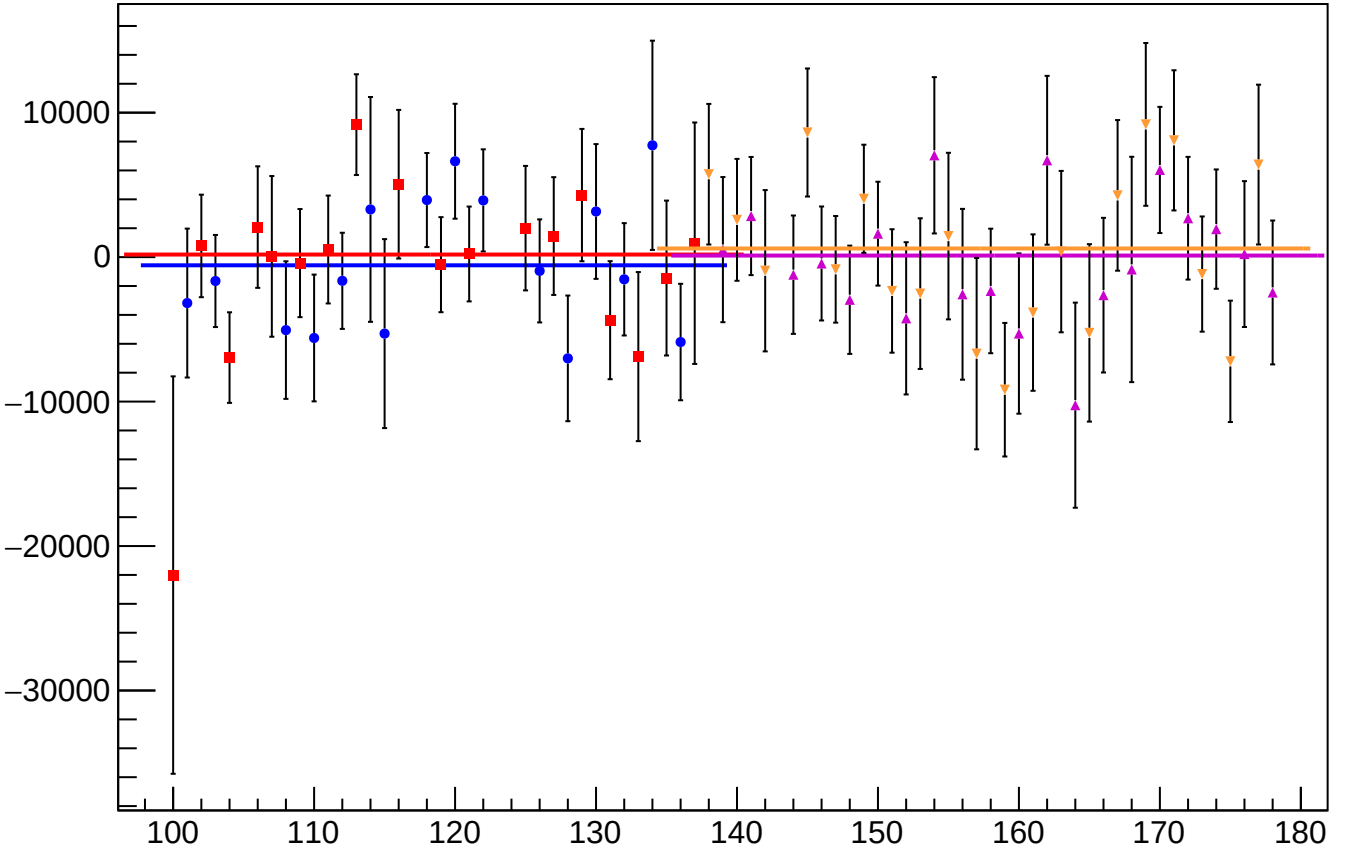
Left In: 4159.529+/-0.745 χ^2/NDF:1298763.7/19

+ sign 3306.155+/-0.513 χ^2/NDF: 4031350.5/35

All: 3205.698+/-0.351 χ^2/NDF: 9380439.8/73

- sign 3116.804+/-0.482 χ^2/NDF: 5276674.9/37

asym_usl_atl2_dd_mean vs Slug



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 598.368+/-1070.166 χ^2/NDF:23.8/19

Right Out: 178.586+/-988.392 χ^2/NDF: 19.5/17

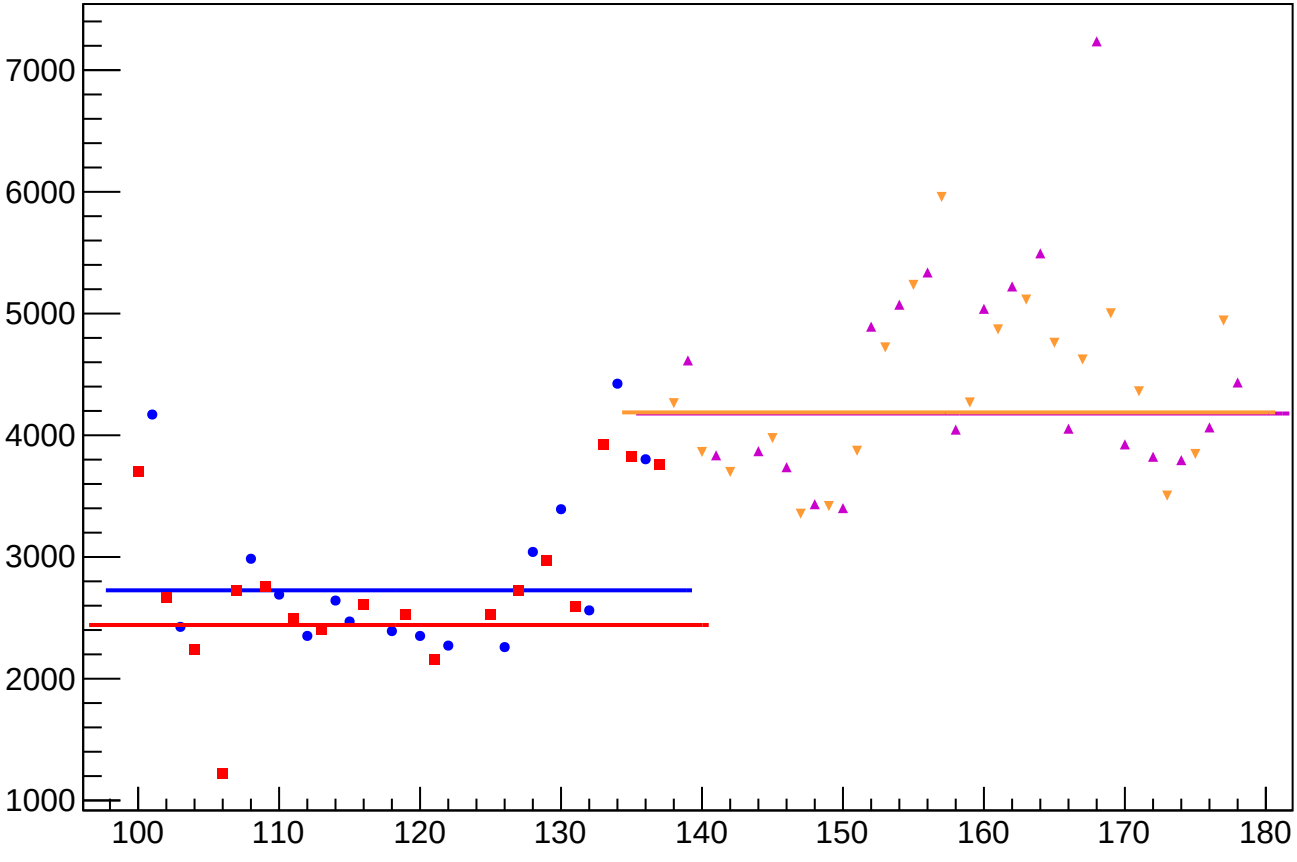
Left In: 108.404+/-1052.056 χ^2/NDF:11.6/19

+ sign -0.332+/-745.943 χ^2/NDF: 40.6/35

All: 75.223+/-518.178 χ^2/NDF: 71.7/73

- sign 145.683+/-720.355 χ^2/NDF: 31.1/37

asym_usl_atl2_dd_rms vs Slug



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 4187.932+/-0.757 χ^2/NDF:731465.8/19

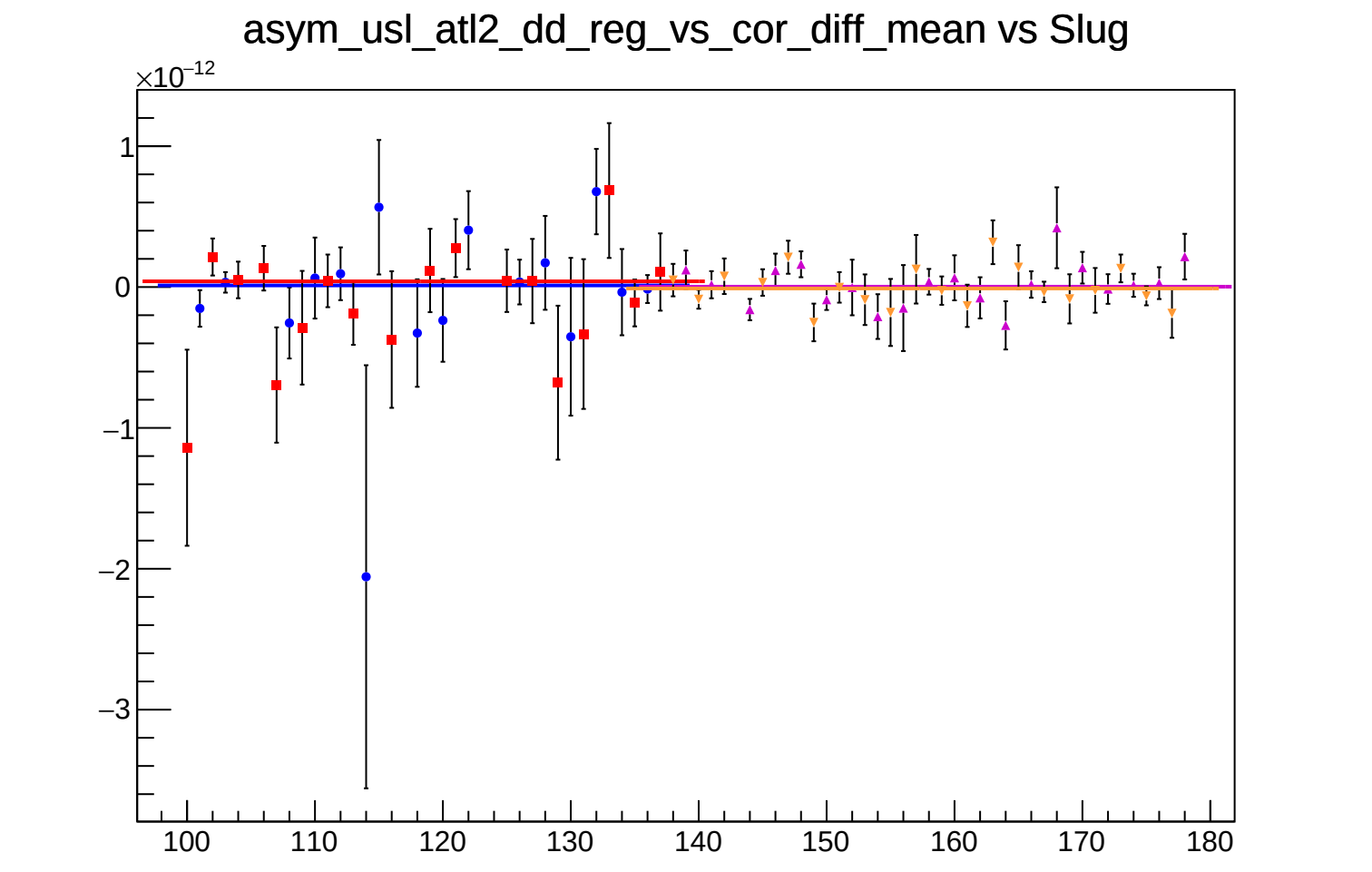
Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 4178.829+/-0.744 χ^2/NDF:941508.3/19

+ sign 3436.410+/-0.527 χ^2/NDF: 3272897.2/35

All: 3319.345+/-0.362 χ^2/NDF: 8222621.3/73

- sign 3215.583+/-0.497 χ^2/NDF: 4856806.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.2/19

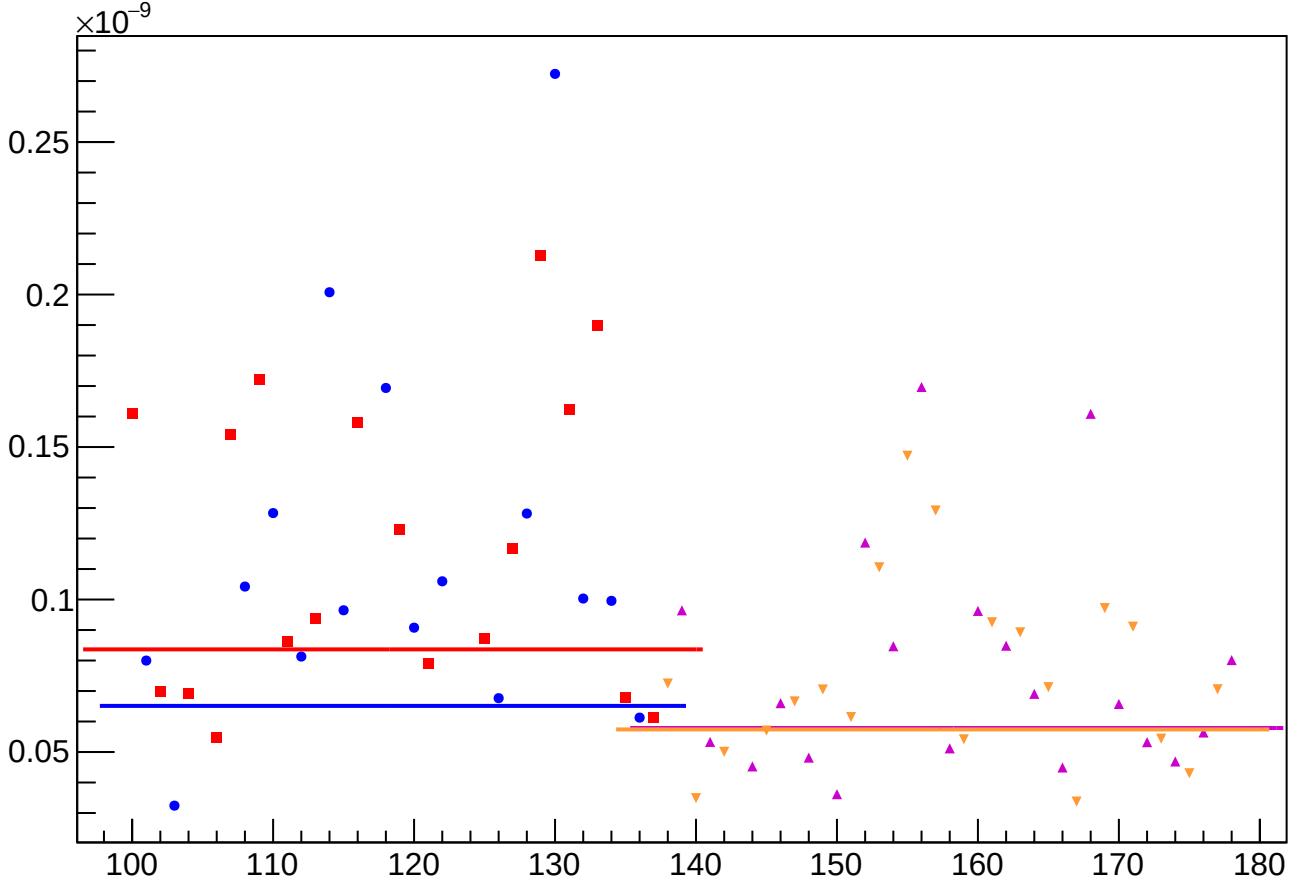
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/17

Left In: 0.000+/-0.000 χ^2/NDF:21.5/19

+ sign -0.000+/-0.000 χ^2/NDF: 35.8/35

All: 0.000+/-0.000 χ^2/NDF: 74.9/73

- sign 0.000+/-0.000 χ^2/NDF: 38.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1657281.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

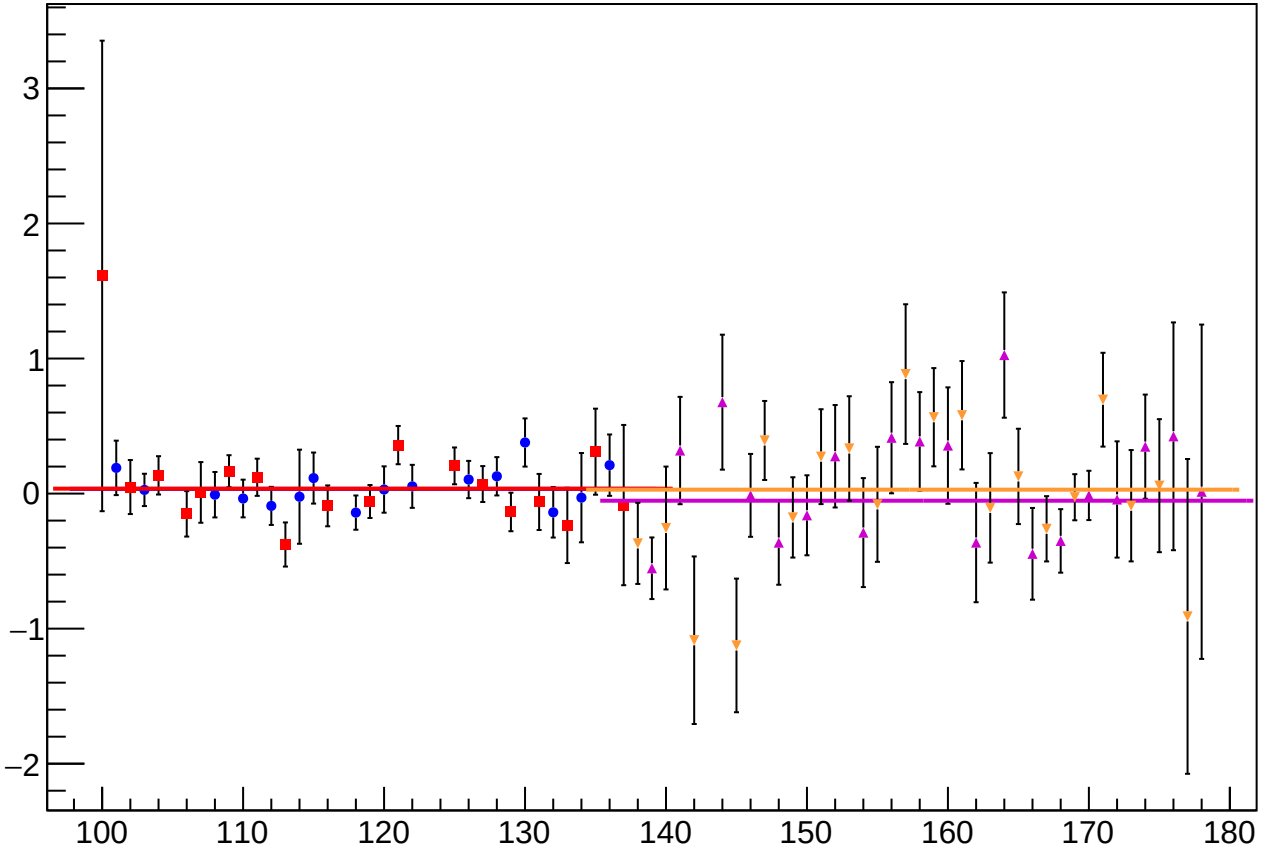
Left In: 0.000+/-0.000 χ^2/NDF:1525924.3/19

+ sign 0.000+/-0.000 χ^2/NDF: 2926280.4/35

All: 0.000+/-0.000 χ^2/NDF: 5547845.4/73

- sign 0.000+/-0.000 χ^2/NDF: 2600073.9/37

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: 0.029+/-0.077 χ^2/NDF:27.0/19

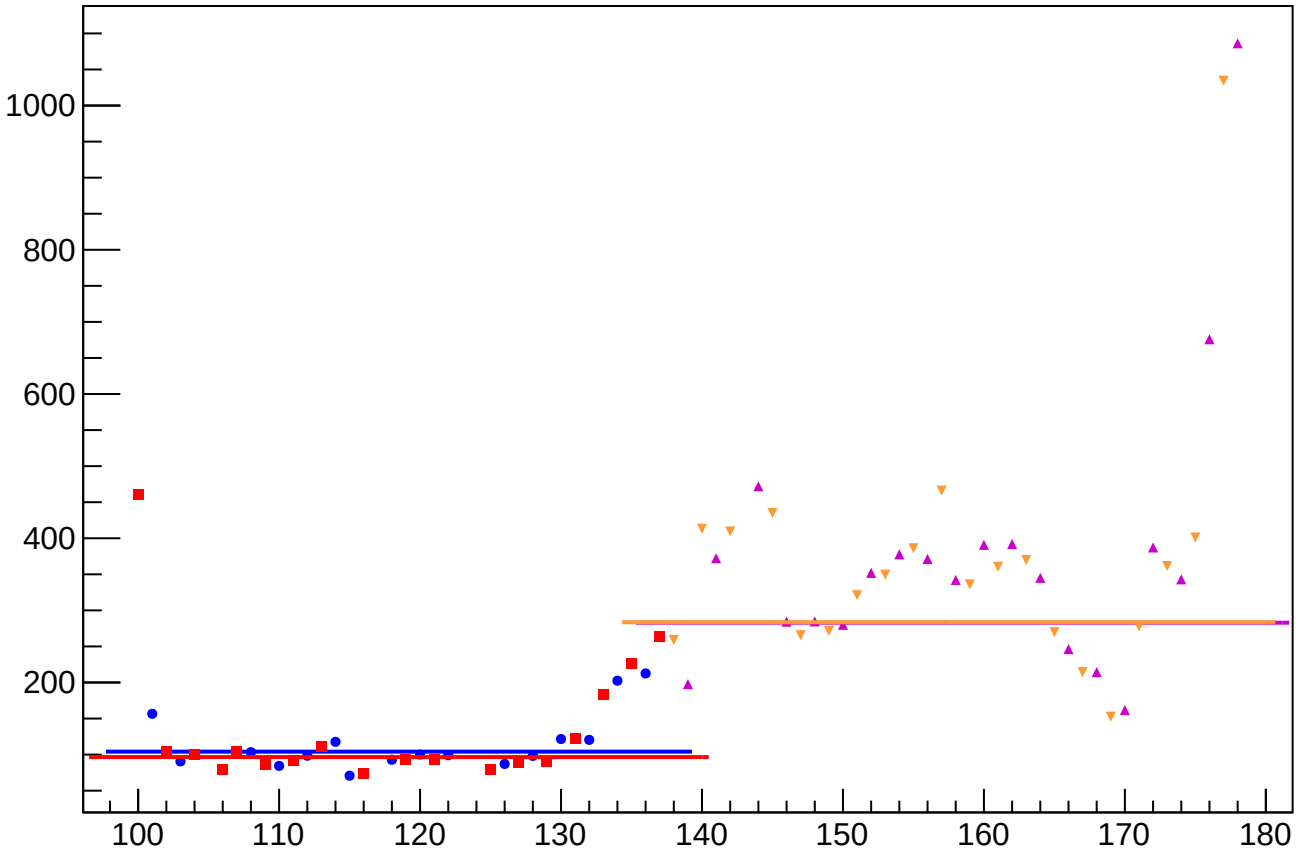
Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: -0.053+/-0.076 χ^2/NDF:24.0/19

+ sign 0.034+/-0.036 χ^2/NDF: 36.7/35

All: 0.025+/-0.025 χ^2/NDF: 83.9/73

- sign 0.018+/-0.035 χ^2/NDF: 47.1/37



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 283.542+/-0.055 χ^2/NDF:3469524.5/19

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

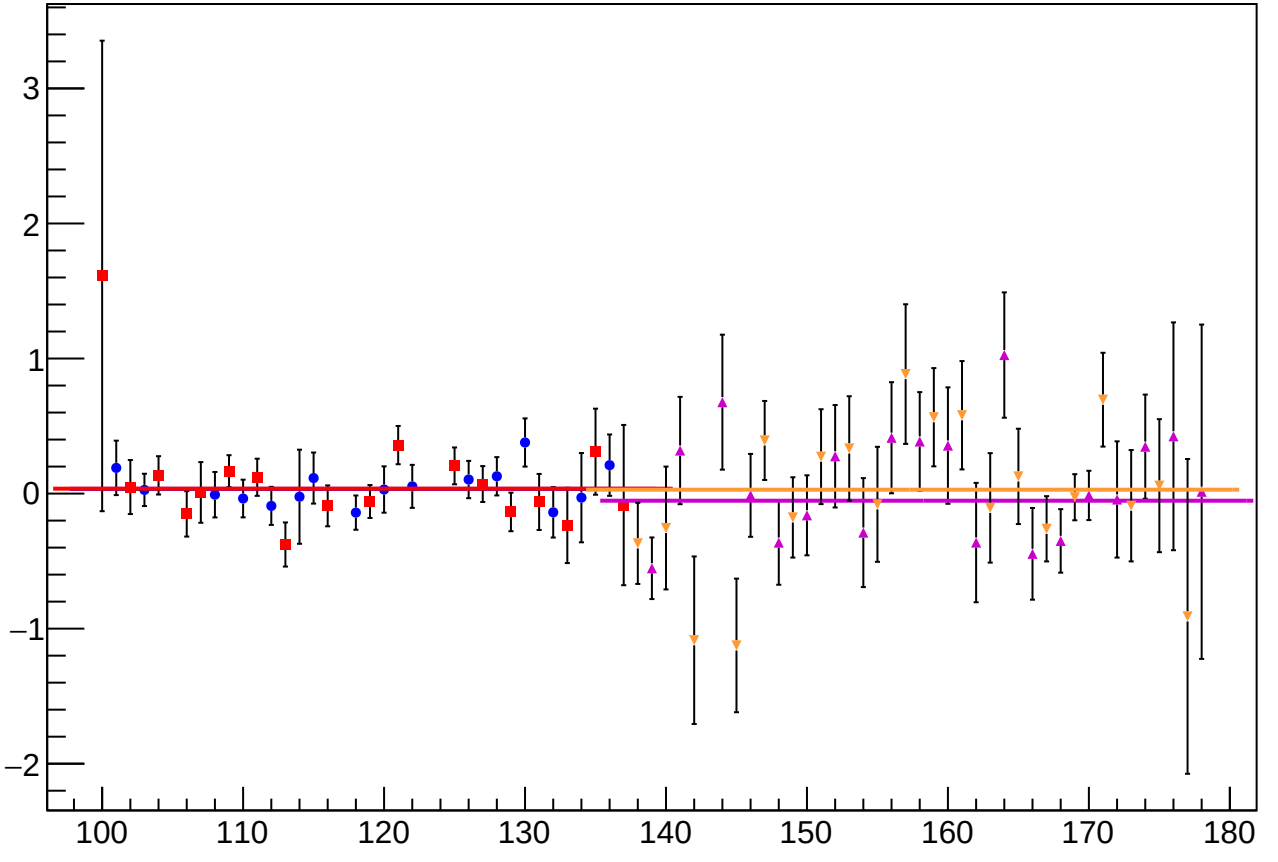
Left In: 282.930+/-0.054 χ^2/NDF:3788604.8/19

+ sign 143.662+/-0.026 χ^2/NDF: 12893198.4/35

All: 139.387+/-0.018 χ^2/NDF: 27276915.2/73

- sign 135.488+/-0.024 χ^2/NDF: 14330468.3/37

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: 0.029+/-0.077 χ^2/NDF:27.0/19

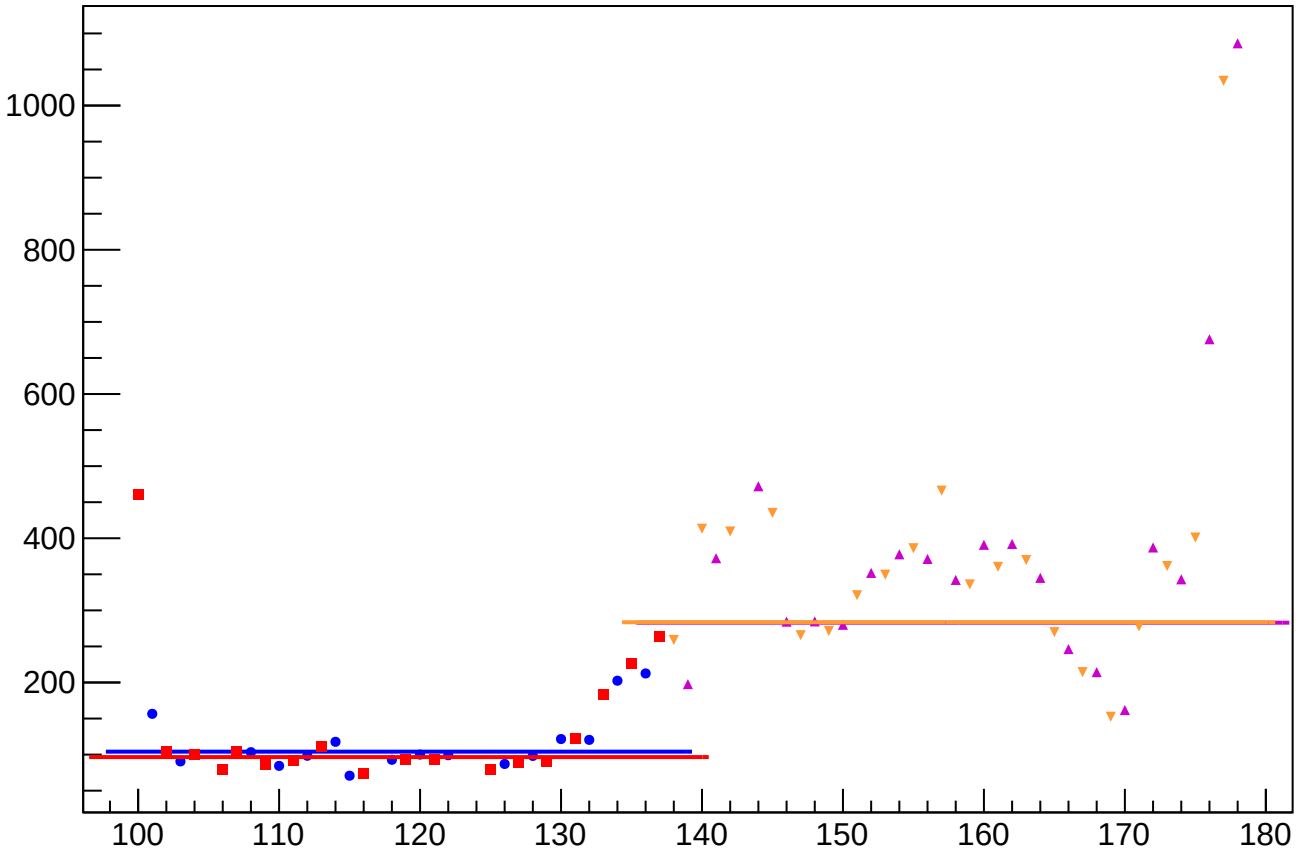
Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: -0.053+/-0.076 χ^2/NDF:24.0/19

+ sign 0.034+/-0.036 χ^2/NDF: 36.7/35

All: 0.025+/-0.025 χ^2/NDF: 83.9/73

- sign 0.018+/-0.035 χ^2/NDF: 47.1/37



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 283.542+/-0.055 χ^2/NDF:3469524.5/19

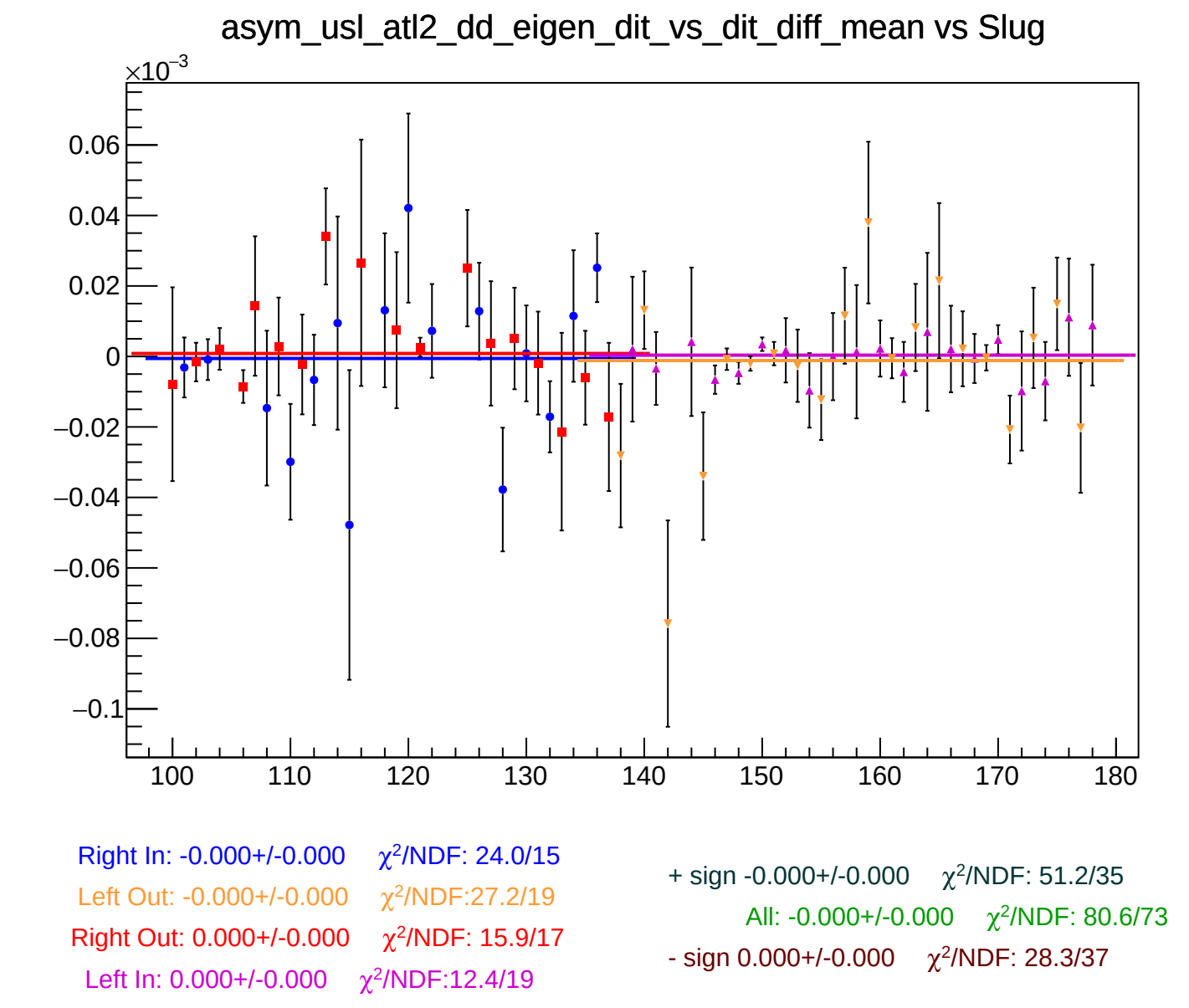
Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

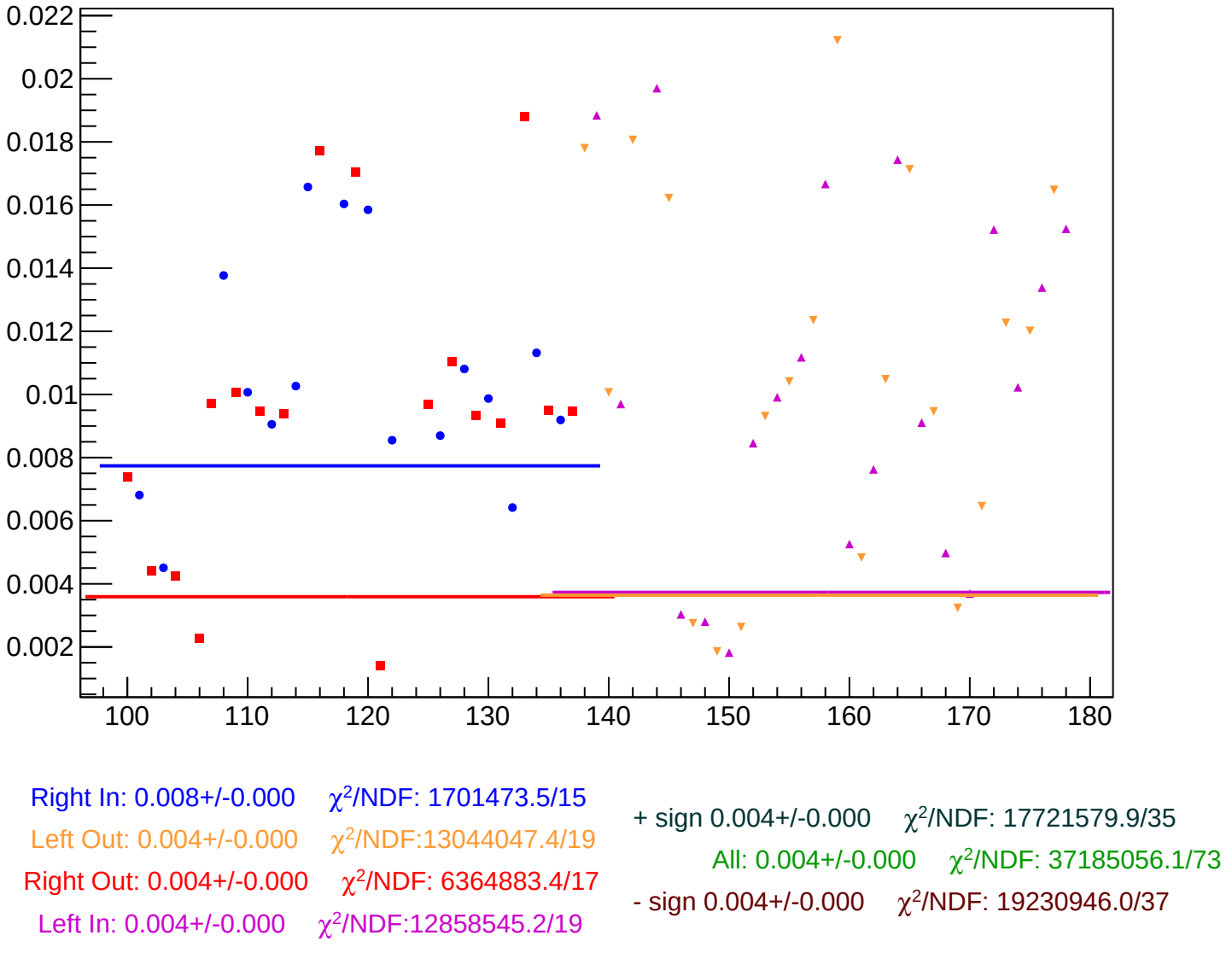
Left In: 282.930+/-0.054 χ^2/NDF:3788604.8/19

+ sign 143.662+/-0.026 χ^2/NDF: 12893198.4/35

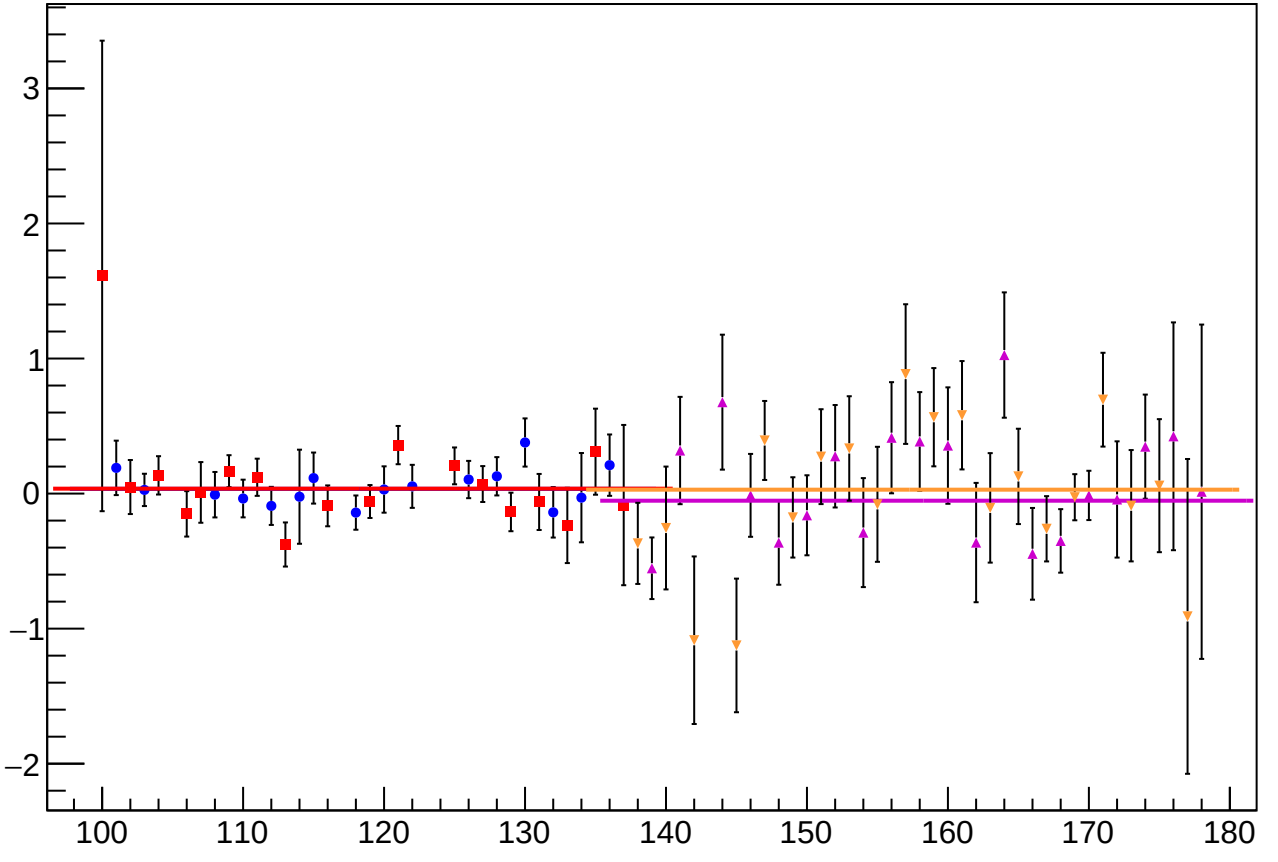
All: 139.387+/-0.018 χ^2/NDF: 27276915.2/73

- sign 135.488+/-0.024 χ^2/NDF: 14330468.3/37


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 24.0/15
Left Out: -0.000+/-0.000 χ²/NDF:27.2/19
Right Out: 0.000+/-0.000 χ²/NDF: 15.9/17
Left In: 0.000+/-0.000 χ²/NDF:12.4/19
+ sign -0.000+/-0.000 χ²/NDF: 51.2/35
All: -0.000+/-0.000 χ²/NDF: 80.6/73
- sign 0.000+/-0.000 χ²/NDF: 28.3/37


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
Right In: 0.008+/-0.000 χ²/NDF: 1701473.5/15
Left Out: 0.004+/-0.000 χ²/NDF:13044047.4/19
Right Out: 0.004+/-0.000 χ²/NDF: 6364883.4/17
Left In: 0.004+/-0.000 χ²/NDF:12858545.2/19
+ sign 0.004+/-0.000 χ²/NDF: 17721579.9/35
All: 0.004+/-0.000 χ²/NDF: 37185056.1/73
- sign 0.004+/-0.000 χ²/NDF: 19230946.0/37

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: 0.029+/-0.077 χ^2/NDF:27.0/19

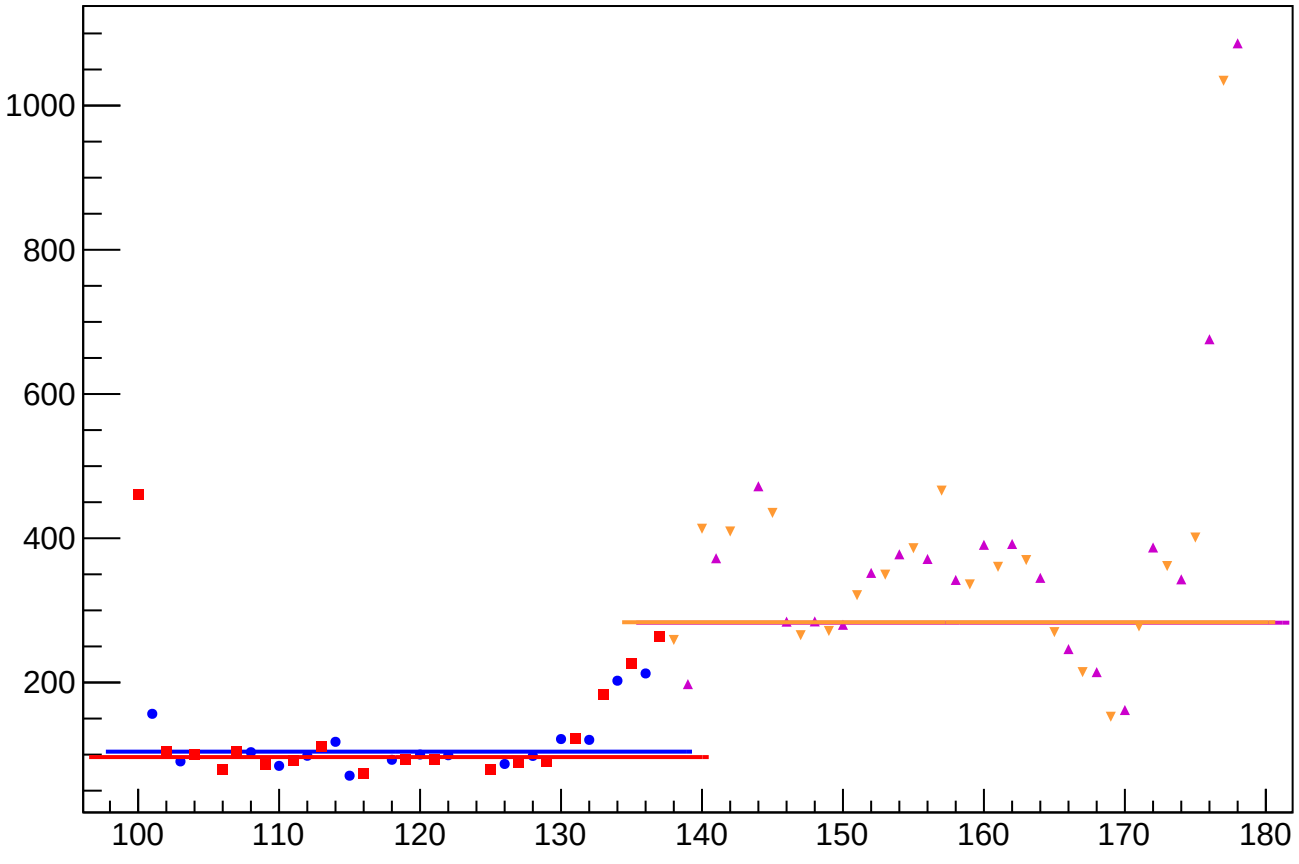
Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: -0.053+/-0.076 χ^2/NDF:24.0/19

+ sign 0.034+/-0.036 χ^2/NDF: 36.7/35

All: 0.025+/-0.025 χ^2/NDF: 83.9/73

- sign 0.018+/-0.035 χ^2/NDF: 47.1/37



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 283.544+/-0.055 χ^2/NDF:3469574.5/19

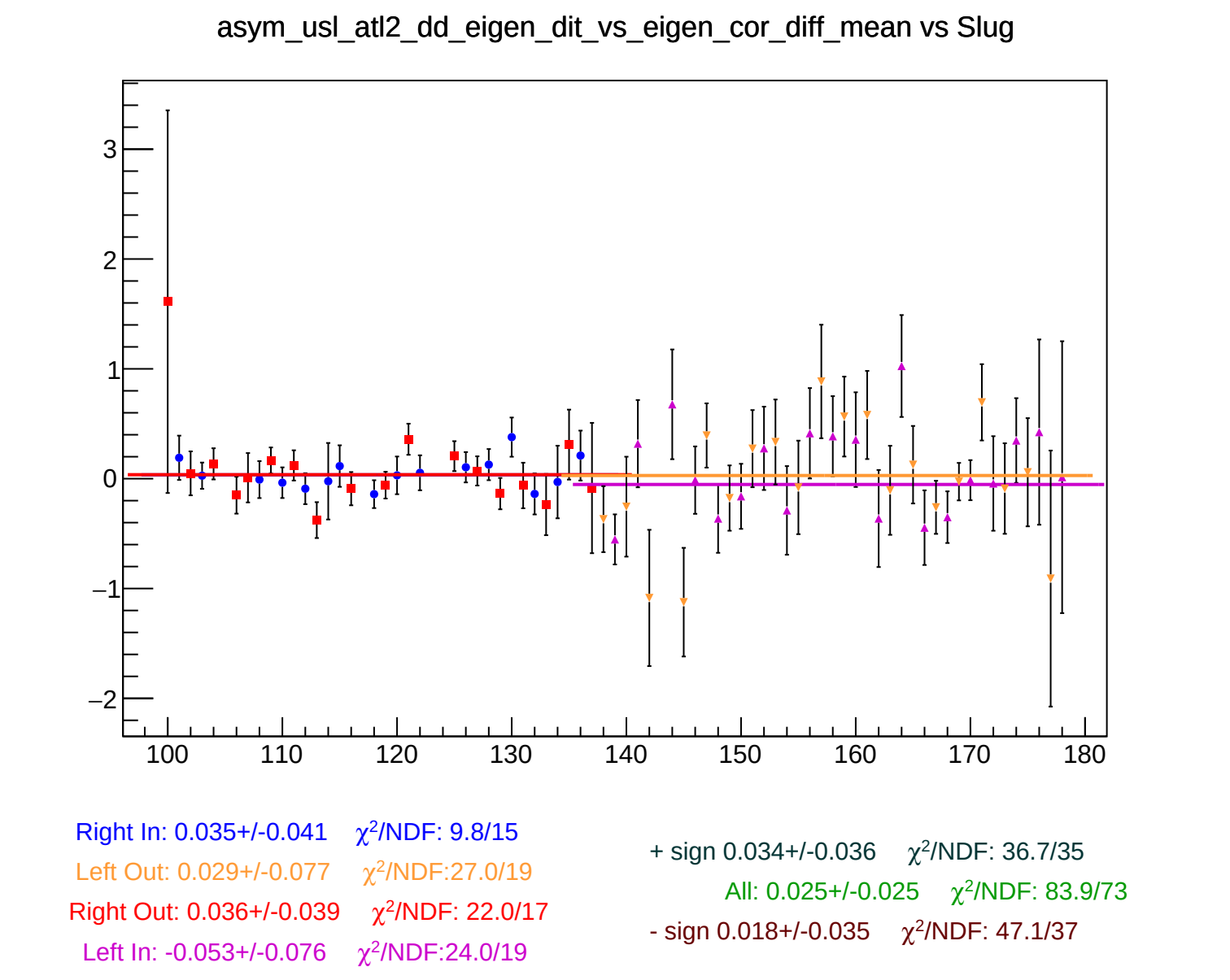
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

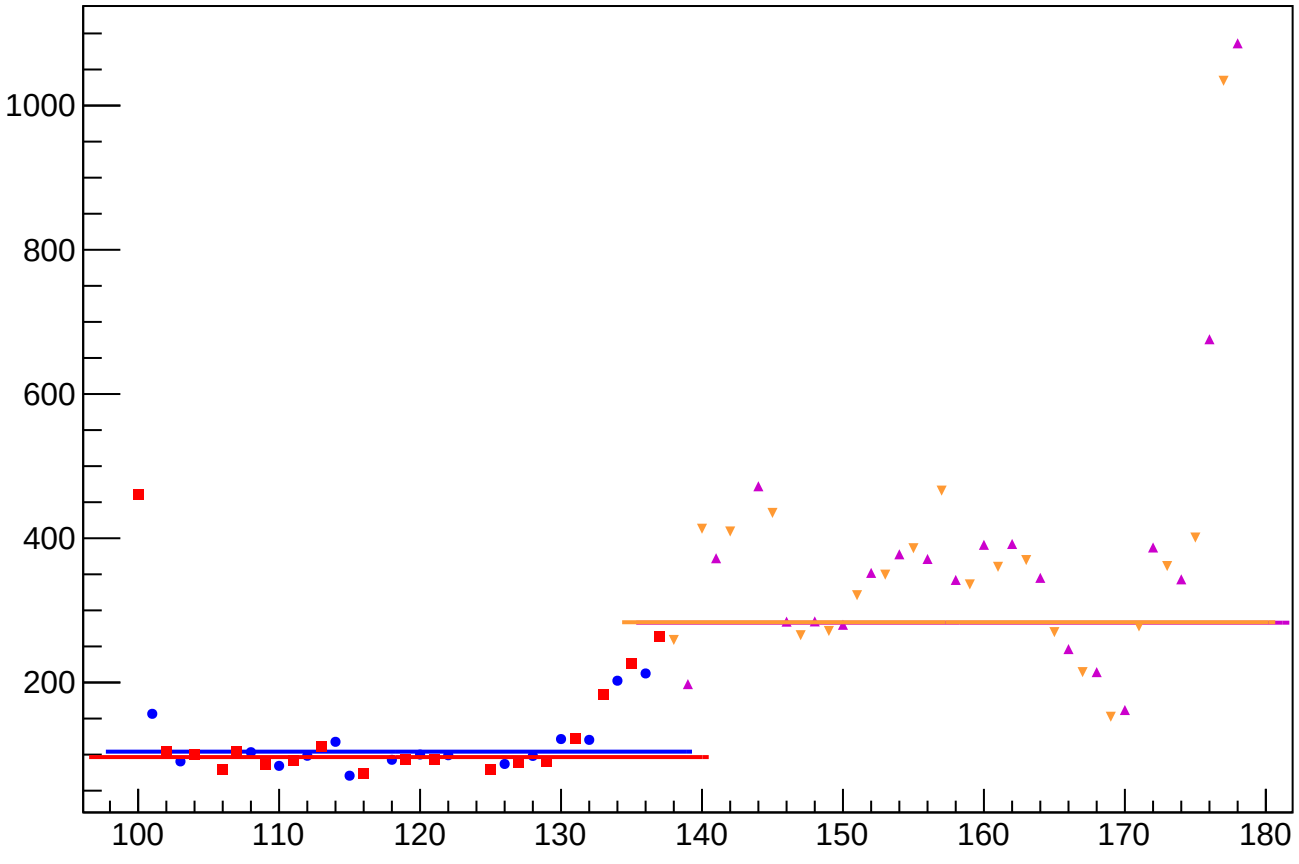
Left In: 282.934+/-0.054 χ^2/NDF:3788563.8/19

+ sign 143.663+/-0.026 χ^2/NDF: 12893169.4/35

All: 139.389+/-0.018 χ^2/NDF: 27276765.4/73

- sign 135.490+/-0.024 χ^2/NDF: 14330355.9/37


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: 0.029+/-0.077 χ²/NDF:27.0/19
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.053+/-0.076 χ²/NDF:24.0/19
+ sign 0.034+/-0.036 χ²/NDF: 36.7/35
All: 0.025+/-0.025 χ²/NDF: 83.9/73
- sign 0.018+/-0.035 χ²/NDF: 47.1/37



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 283.544+/-0.055 χ^2/NDF:3469574.5/19

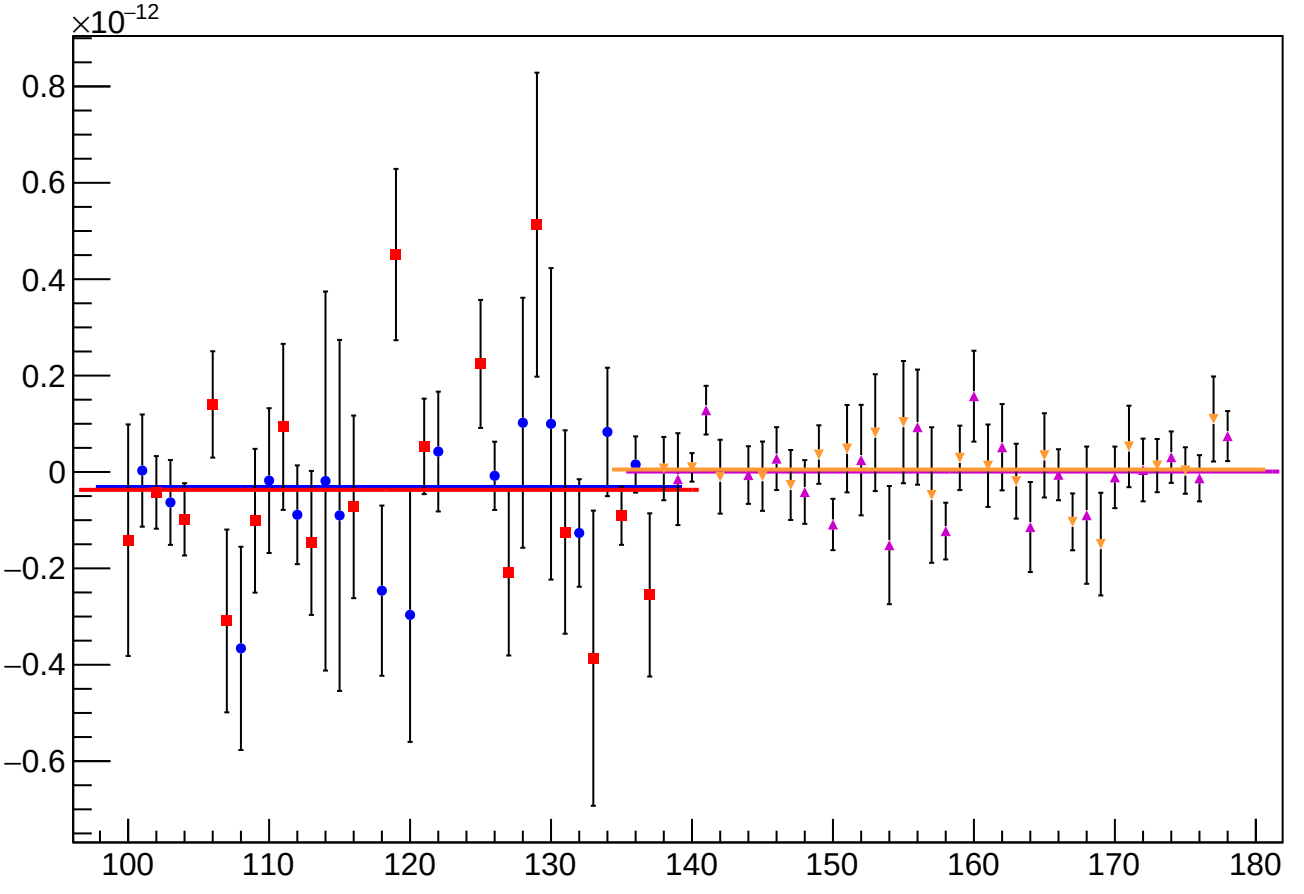
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 282.934+/-0.054 χ^2/NDF:3788563.8/19

+ sign 143.663+/-0.026 χ^2/NDF: 12893169.4/35

All: 139.389+/-0.018 χ^2/NDF: 27276765.4/73

- sign 135.490+/-0.024 χ^2/NDF: 14330355.9/37



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.5/19

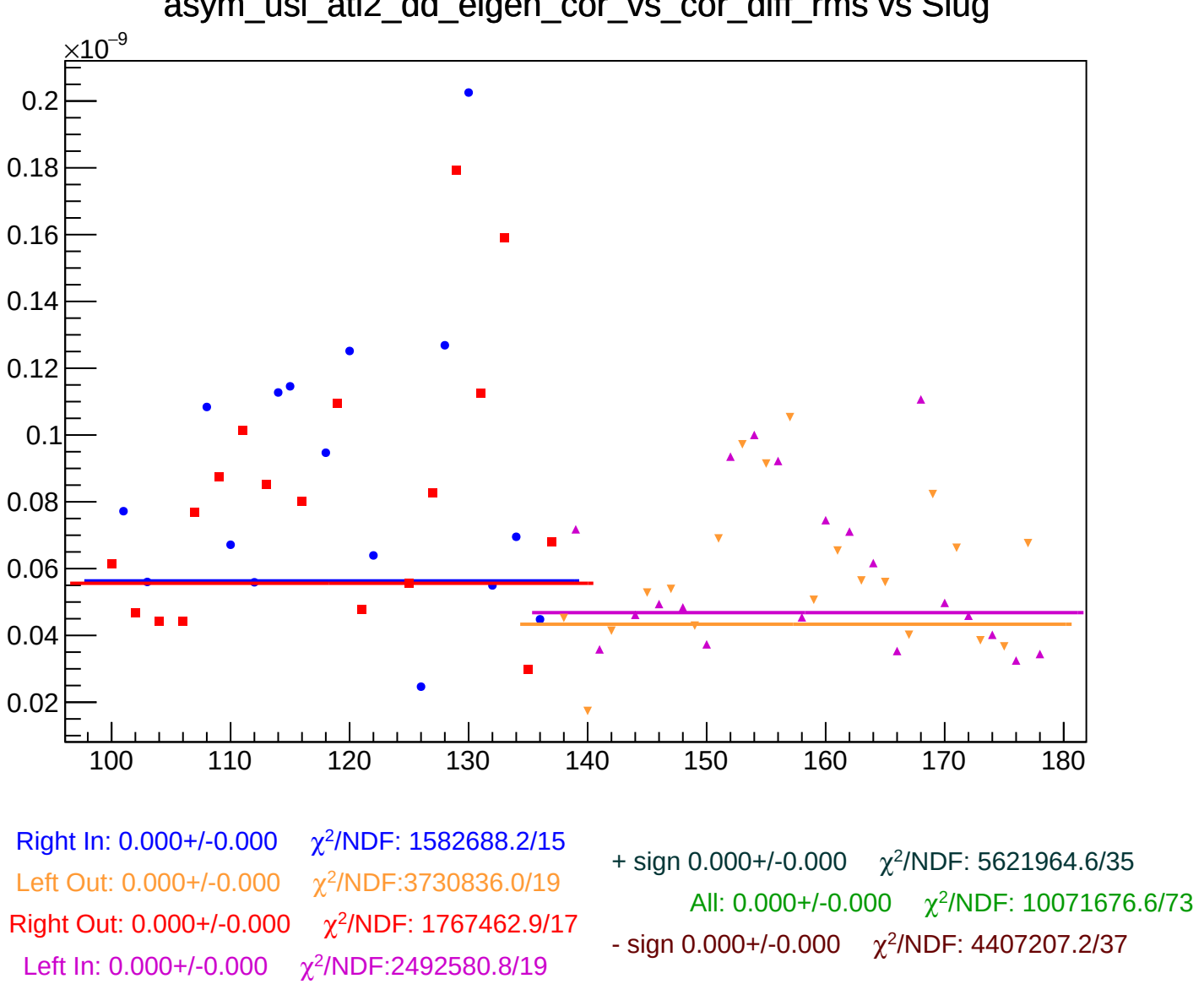
Right Out: -0.000+/-0.000 χ^2/NDF: 27.0/17

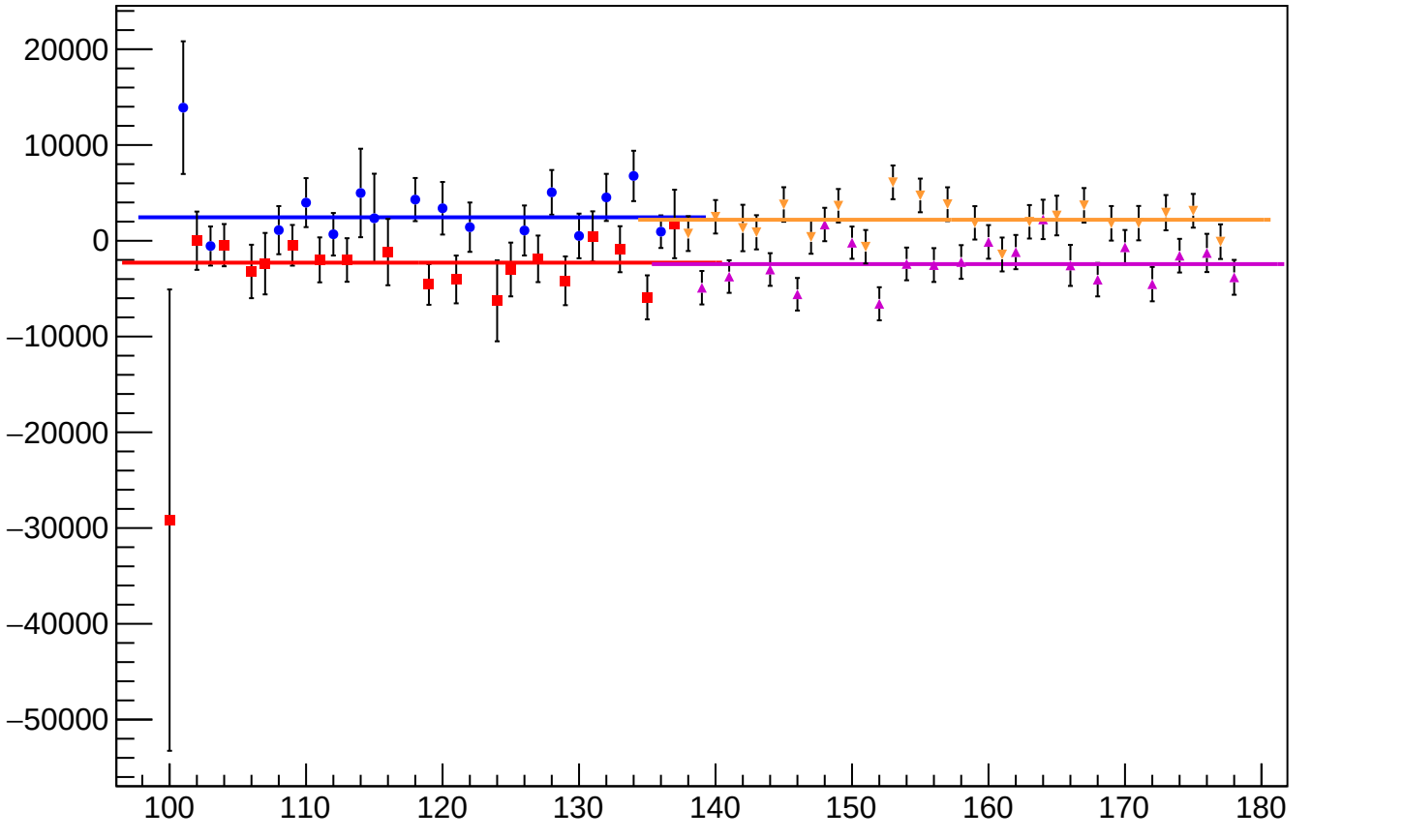
Left In: 0.000+/-0.000 χ^2/NDF:25.3/19

+ sign -0.000+/-0.000 χ^2/NDF: 19.3/35

All: -0.000+/-0.000 χ^2/NDF: 73.1/73

- sign -0.000+/-0.000 χ^2/NDF: 53.7/37


asym_usl_atl2_dd_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
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1582688.2/15
Left Out: 0.000+/-0.000 χ²/NDF:3730836.0/19
Right Out: 0.000+/-0.000 χ²/NDF: 1767462.9/17
Left In: 0.000+/-0.000 χ²/NDF:2492580.8/19
+ sign 0.000+/-0.000 χ²/NDF: 5621964.6/35
All: 0.000+/-0.000 χ²/NDF: 10071676.6/73
- sign 0.000+/-0.000 χ²/NDF: 4407207.2/37



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2194.422+/-394.561 χ^2/NDF:21.4/20

Right Out: -2286.573+/-609.157 χ^2/NDF: 11.8/18

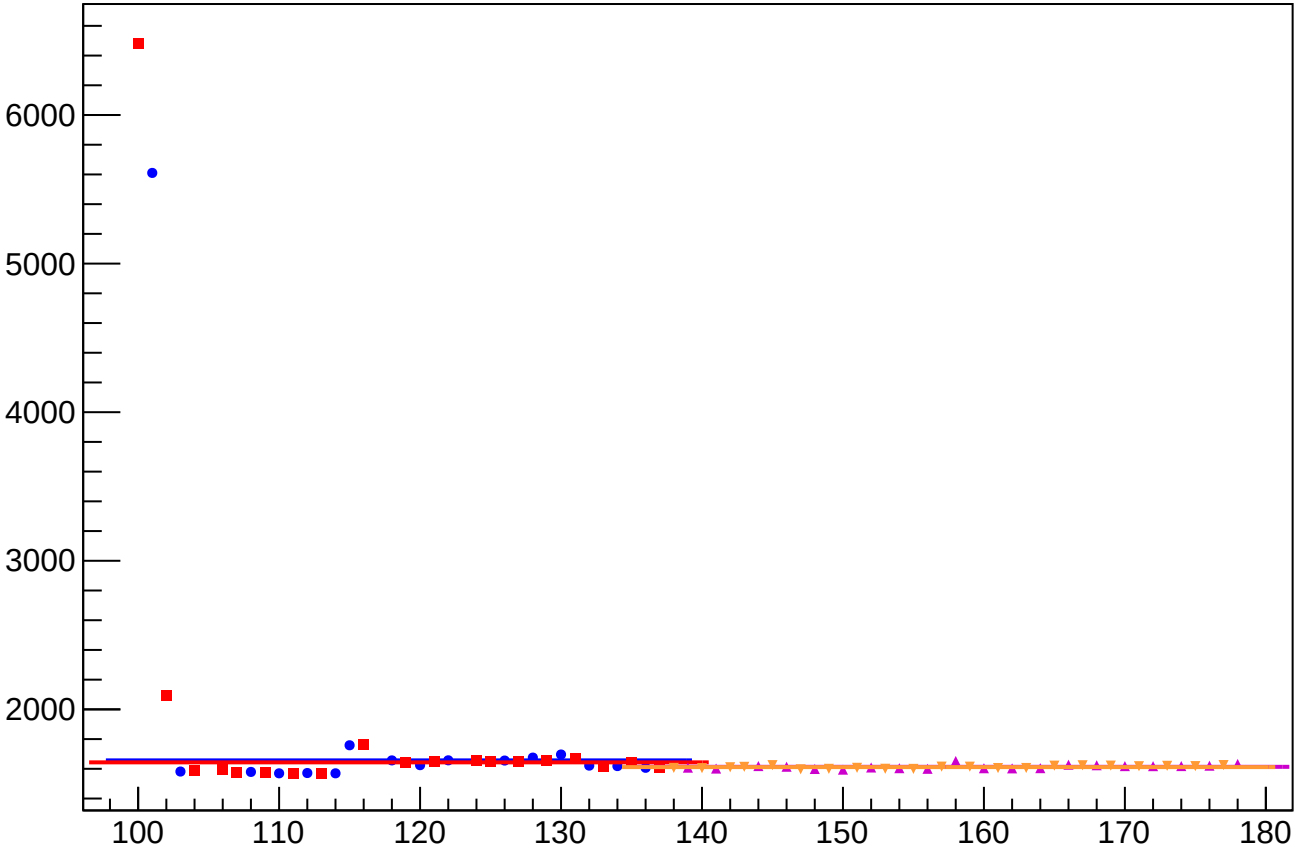
Left In: -2435.297+/-399.053 χ^2/NDF:31.0/19

+ sign 2266.375+/-334.428 χ^2/NDF: 35.4/36

All: -66.476+/-236.256 χ^2/NDF: 175.4/75

- sign -2390.638+/-333.805 χ^2/NDF: 42.9/38

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1611.550+/-0.279 χ^2/NDF:1042.7/20

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

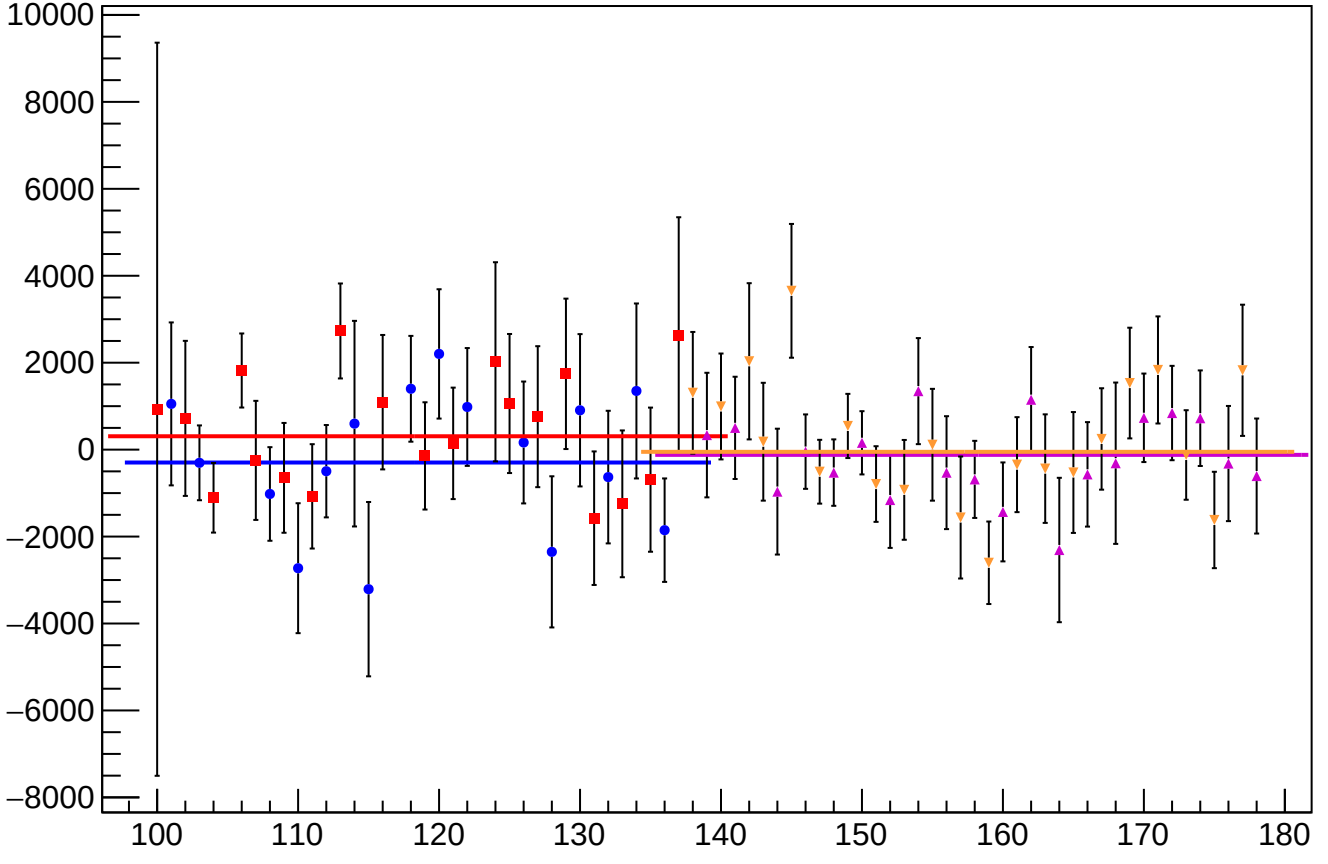
Left In: 1613.339+/-0.282 χ^2/NDF:2330.3/19

+ sign 1624.259+/-0.236 χ^2/NDF: 674637.7/36

All: 1623.315+/-0.167 χ^2/NDF: 817412.5/75

- sign 1622.375+/-0.236 χ^2/NDF: 142743.1/38

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: -296.450+/-343.436 χ^2/NDF: 16.0/15

Left Out: -50.377+/-245.026 χ^2/NDF:27.4/20

Right Out: 307.671+/-312.976 χ^2/NDF: 18.7/18

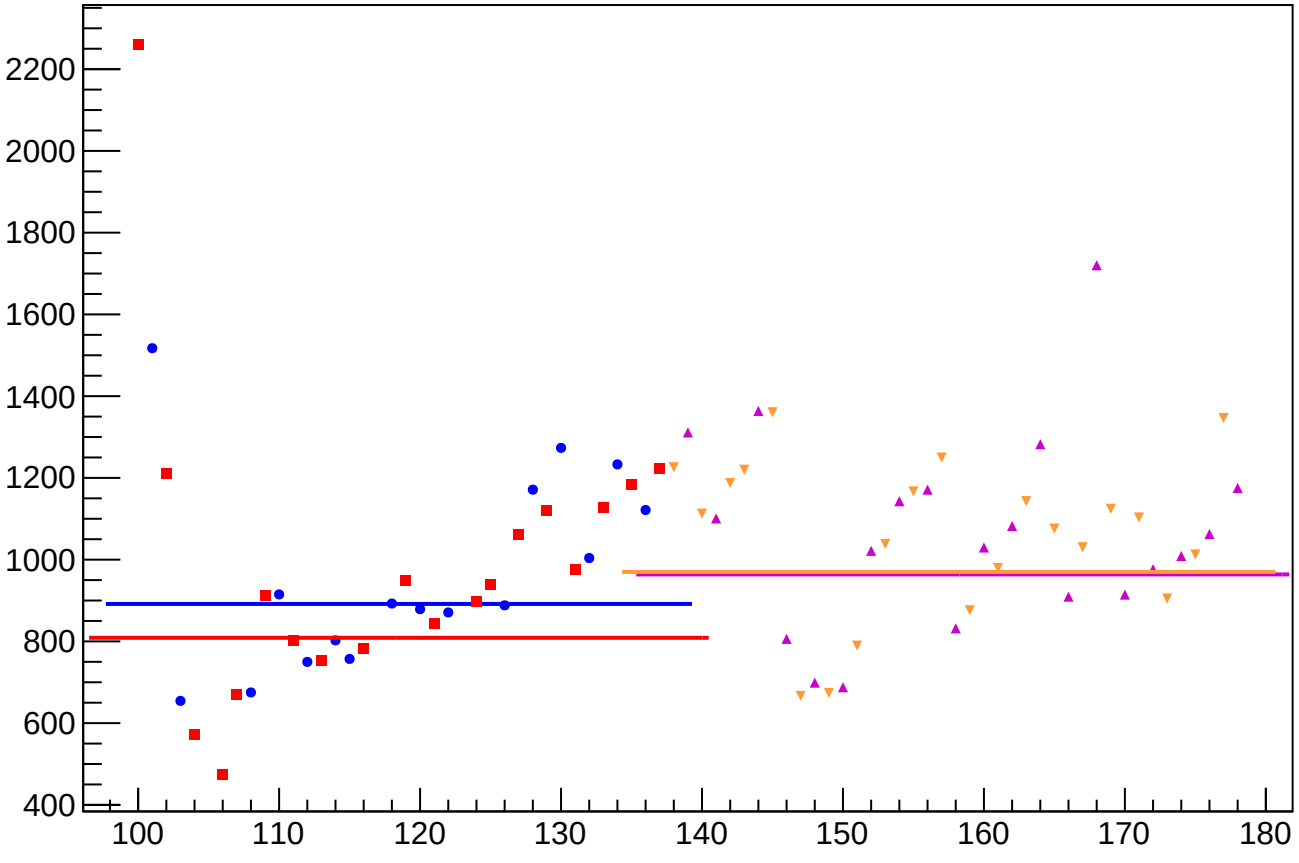
Left In: -120.354+/-245.479 χ^2/NDF:10.5/19

+ sign -133.381+/-199.464 χ^2/NDF: 43.7/36

All: -42.527+/-138.758 χ^2/NDF: 74.5/75

- sign 42.670+/-193.154 χ^2/NDF: 30.4/38

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 970.012+/-0.173 χ^2/NDF:1465849.1/20

Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

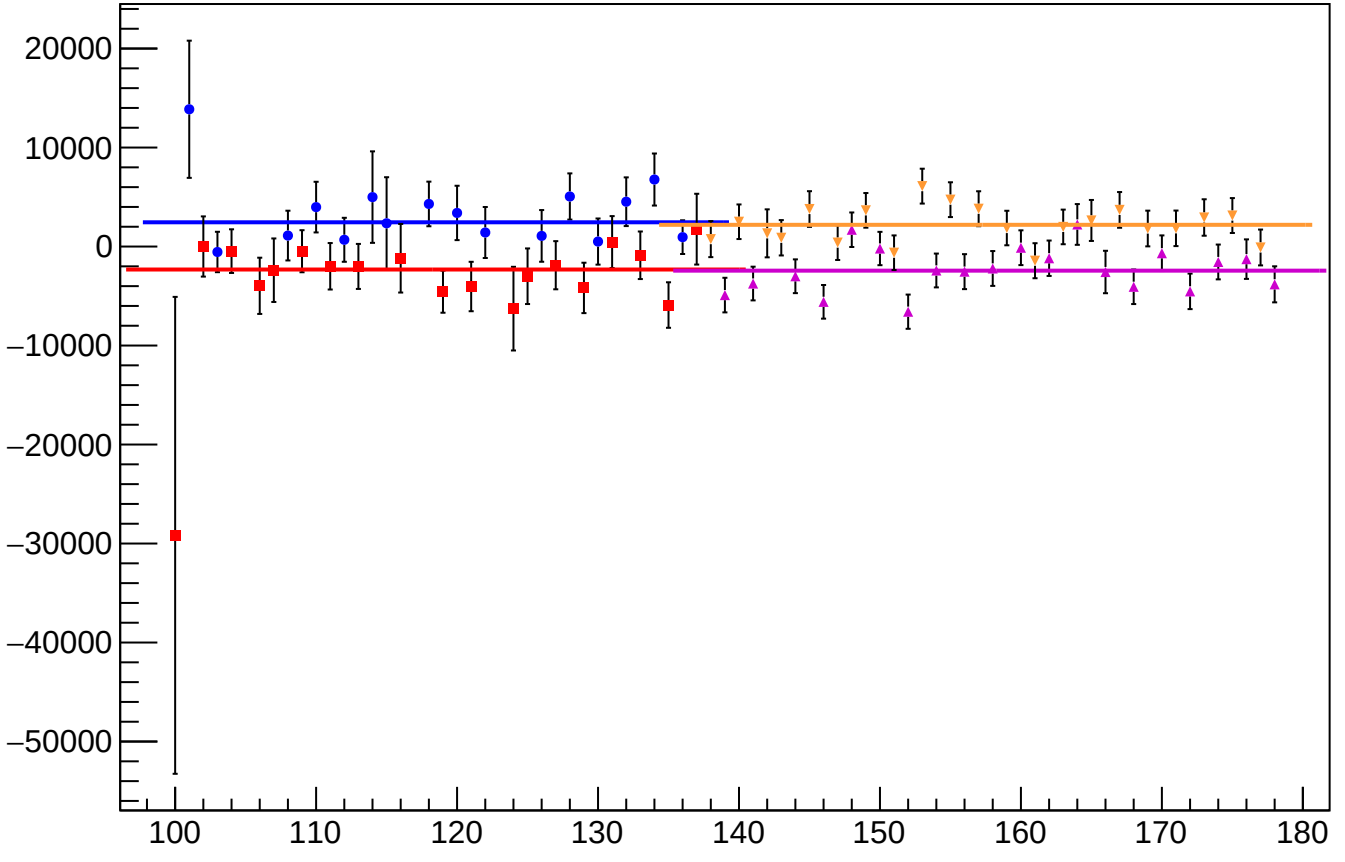
Left In: 963.785+/-0.174 χ^2/NDF:1543715.4/19

+ sign 943.574+/-0.141 χ^2/NDF: 2328778.0/36

All: 923.542+/-0.098 χ^2/NDF: 5299028.1/75

- sign 904.759+/-0.137 χ^2/NDF: 2931164.9/38

cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2194.412+/-394.561 χ^2/NDF:21.4/20

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

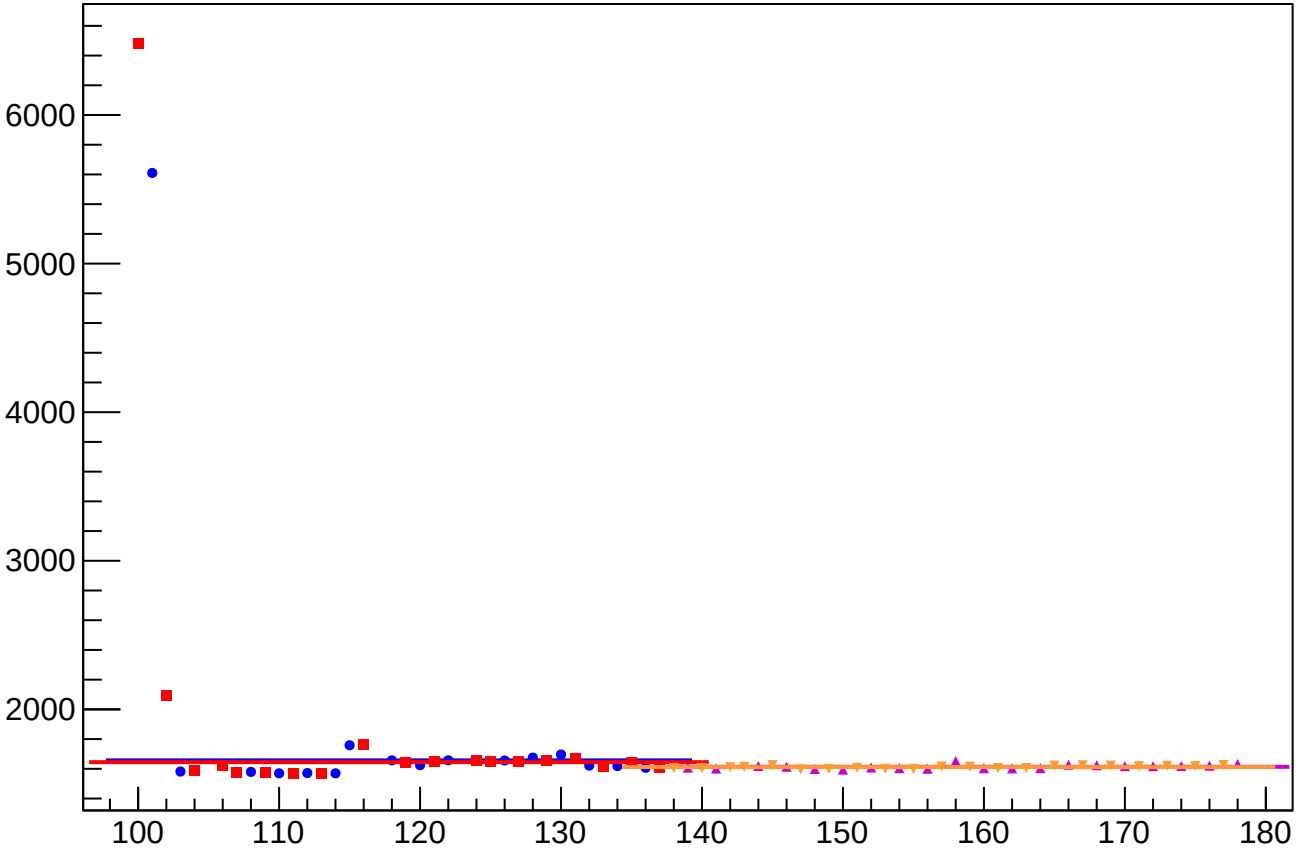
Left In: -2435.333+/-399.053 χ^2/NDF:31.0/19

+ sign 2266.210+/-334.428 χ^2/NDF: 35.4/36

All: -71.131+/-236.285 χ^2/NDF: 176.0/75

- sign -2400.913+/-333.887 χ^2/NDF: 43.1/38

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1611.550+/-0.279 χ^2/NDF:1042.7/20

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

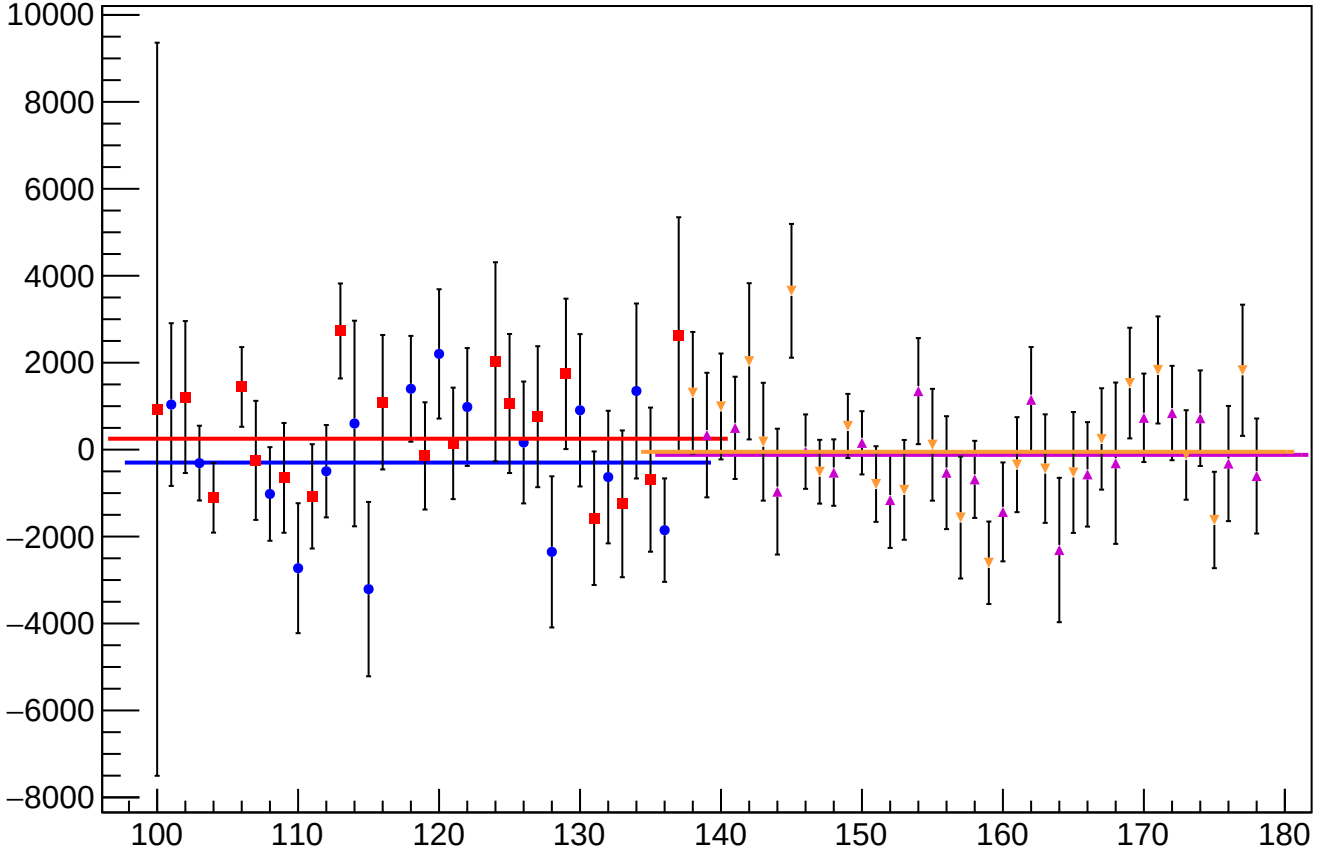
Left In: 1613.339+/-0.282 χ^2/NDF:2330.3/19

\+ sign 1624.259+/-0.236 χ^2/NDF: 674637.2/36

All: 1623.505+/-0.167 χ^2/NDF: 817183.5/75

\- sign 1622.755+/-0.236 χ^2/NDF: 142526.1/38

asym_usr_atr1_avg_cor_correction_mean vs Slug



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -50.428+/-245.024 χ^2/NDF:27.4/20

Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

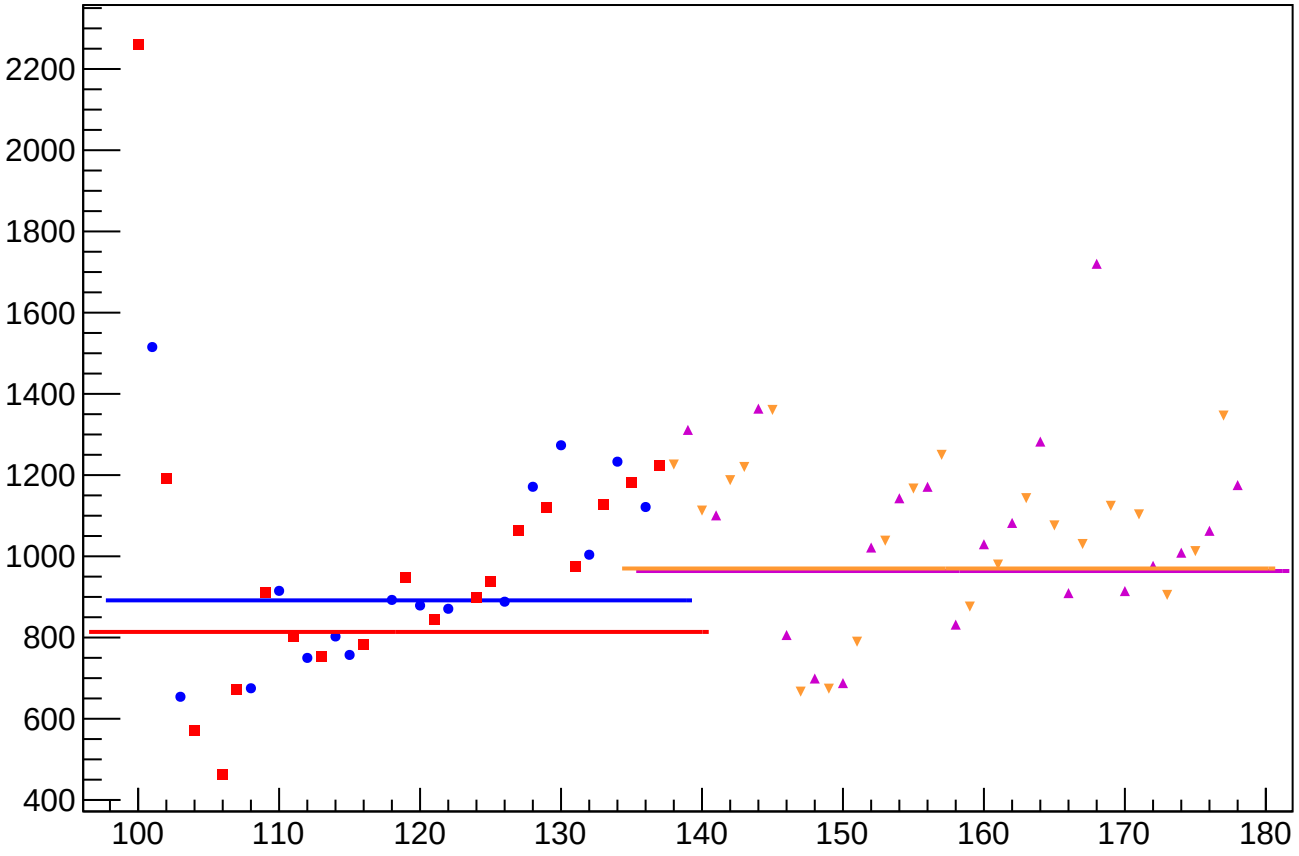
Left In: -120.381+/-245.480 χ^2/NDF:10.5/19

+ sign -133.882+/-199.454 χ^2/NDF: 43.7/36

All: -54.928+/-138.994 χ^2/NDF: 72.6/75

- sign 19.615+/-193.801 χ^2/NDF: 28.7/38

asym_usr_atr1_avg_cor_correction_rms vs Slug



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 970.003+/-0.173 χ^2/NDF:1465940.0/20

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

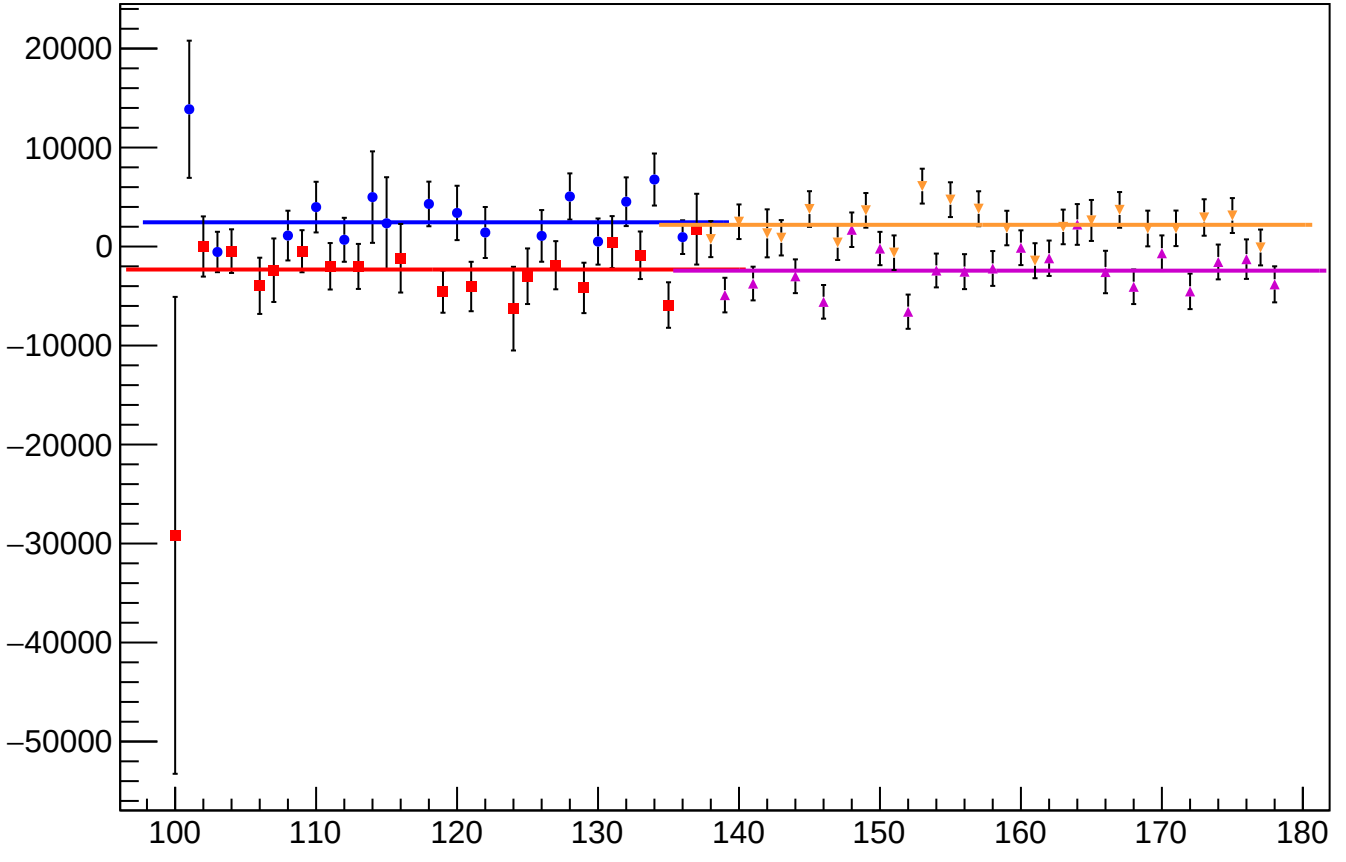
Left In: 963.791+/-0.174 χ^2/NDF:1543674.9/19

+ sign 943.530+/-0.141 χ^2/NDF: 2328802.0/36

All: 924.888+/-0.098 χ^2/NDF: 5240697.2/75

- sign 907.288+/-0.137 χ^2/NDF: 2877929.4/38

eigen_cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2194.412+/-394.561 χ^2/NDF:21.4/20

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

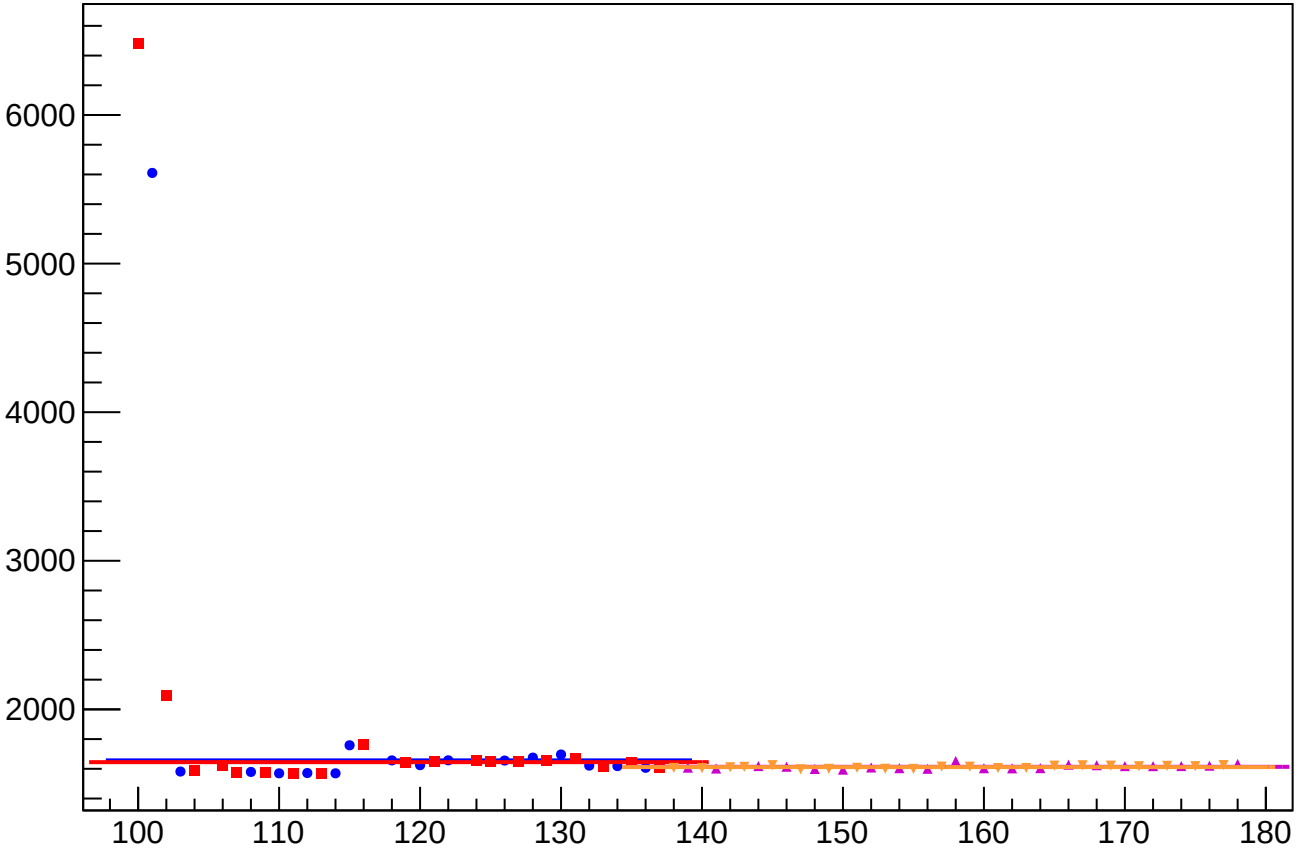
Left In: -2435.333+/-399.053 χ^2/NDF:31.0/19

+ sign 2266.210+/-334.428 χ^2/NDF: 35.4/36

All: -71.131+/-236.285 χ^2/NDF: 176.0/75

- sign -2400.913+/-333.887 χ^2/NDF: 43.1/38

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1611.550+/-0.279 χ^2/NDF:1042.7/20

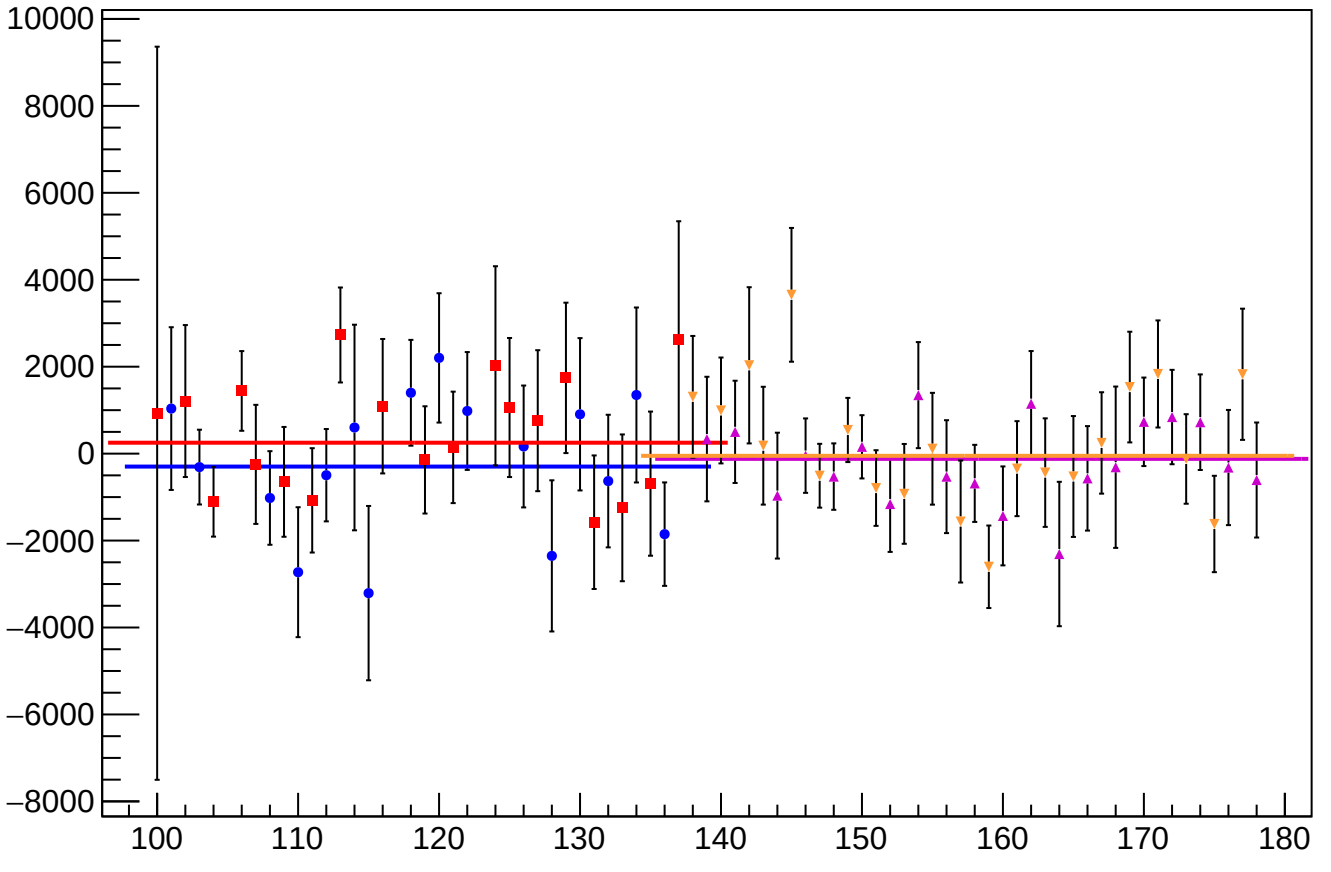
Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1613.339+/-0.282 χ^2/NDF:2330.3/19

+ sign 1624.259+/-0.236 χ^2/NDF: 674637.2/36

All: 1623.505+/-0.167 χ^2/NDF: 817183.5/75

- sign 1622.755+/-0.236 χ^2/NDF: 142526.1/38



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -50.428+/-245.024 χ^2/NDF:27.4/20

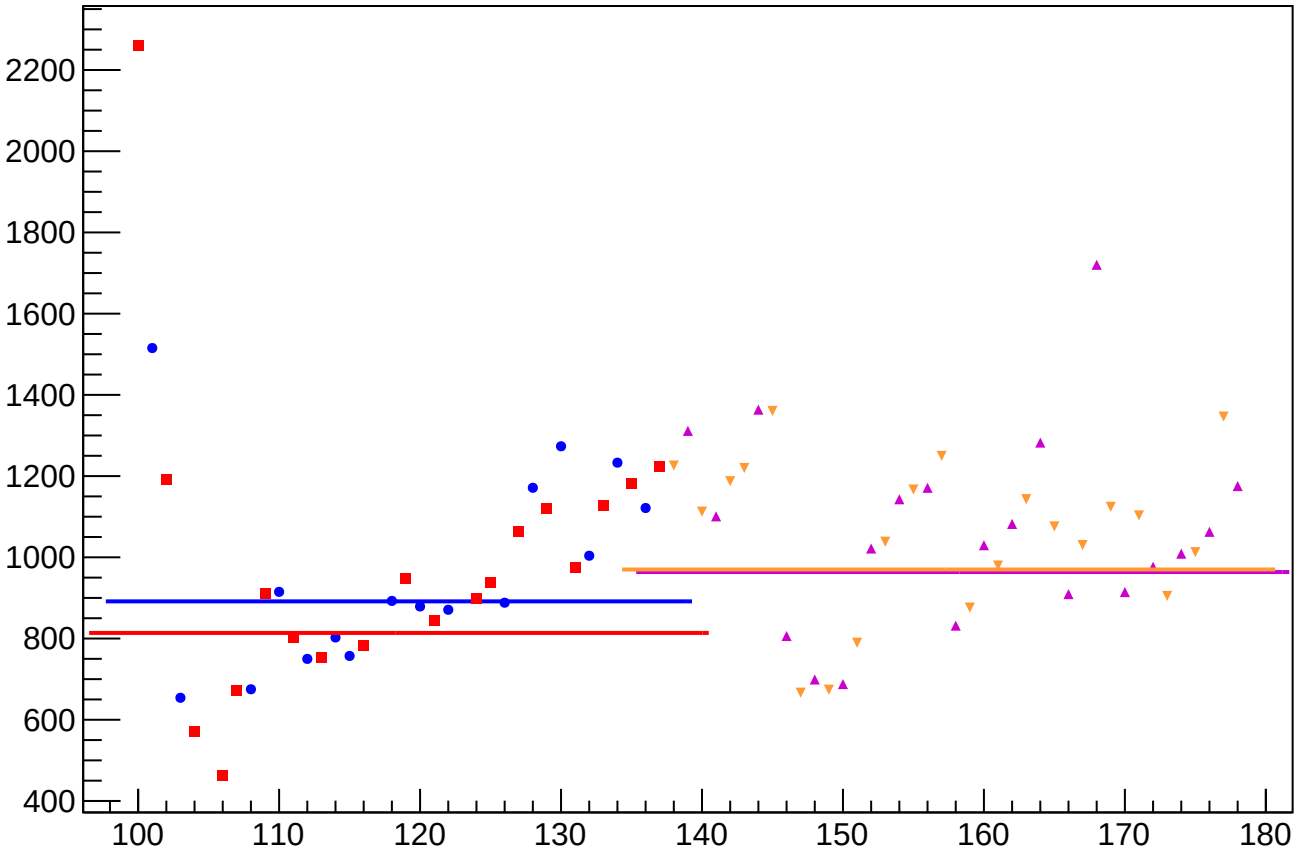
Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: -120.381+/-245.480 χ^2/NDF:10.5/19

+ sign -133.882+/-199.454 χ^2/NDF: 43.7/36

All: -54.928+/-138.994 χ^2/NDF: 72.6/75

- sign 19.615+/-193.801 χ^2/NDF: 28.7/38



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 970.003+/-0.173 χ^2/NDF:1465940.0/20

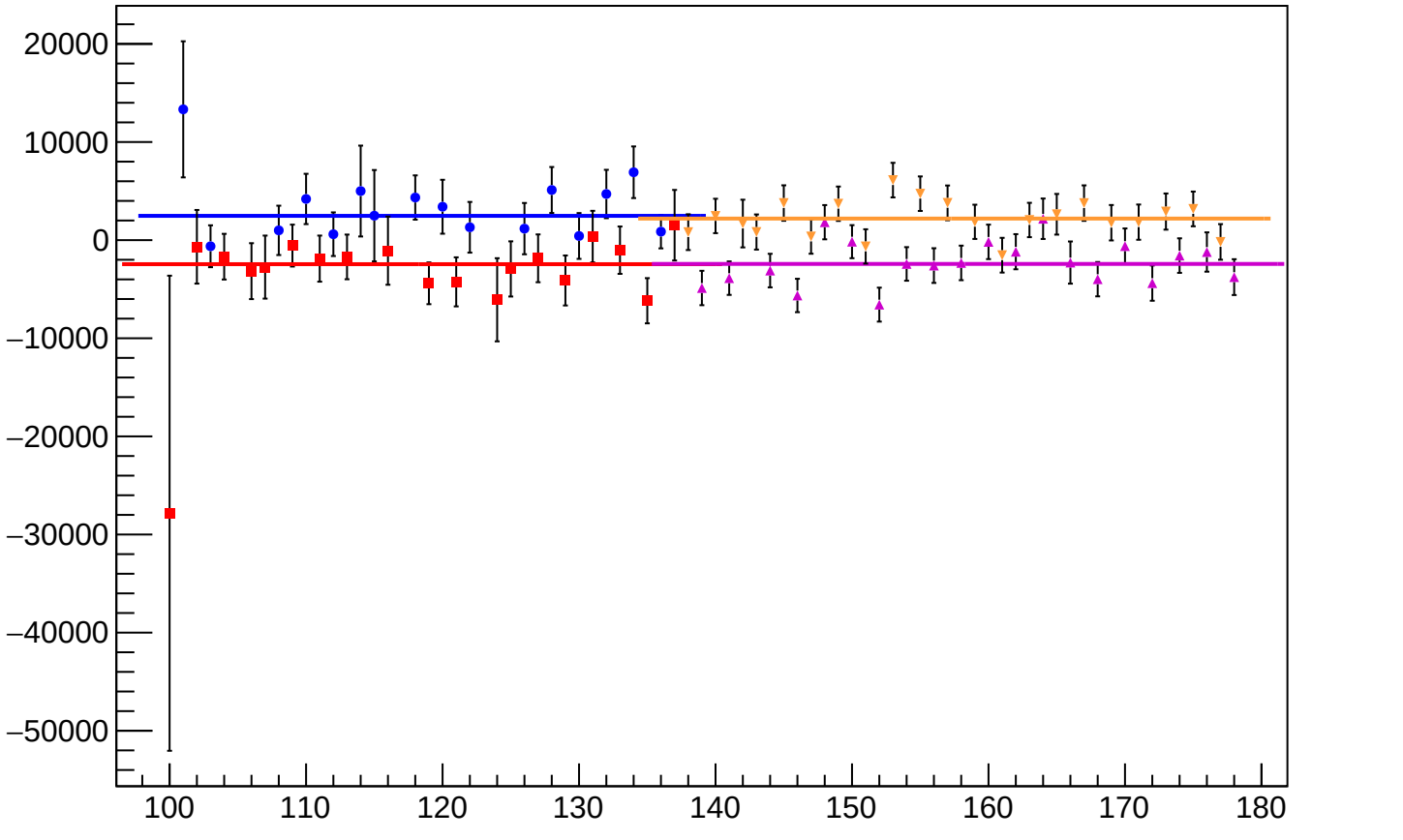
Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 963.791+/-0.174 χ^2/NDF:1543674.9/19

+ sign 943.530+/-0.141 χ^2/NDF: 2328802.0/36

All: 924.888+/-0.098 χ^2/NDF: 5240697.2/75

- sign 907.288+/-0.137 χ^2/NDF: 2877929.4/38



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2198.696+/-395.185 χ^2/NDF:21.9/20

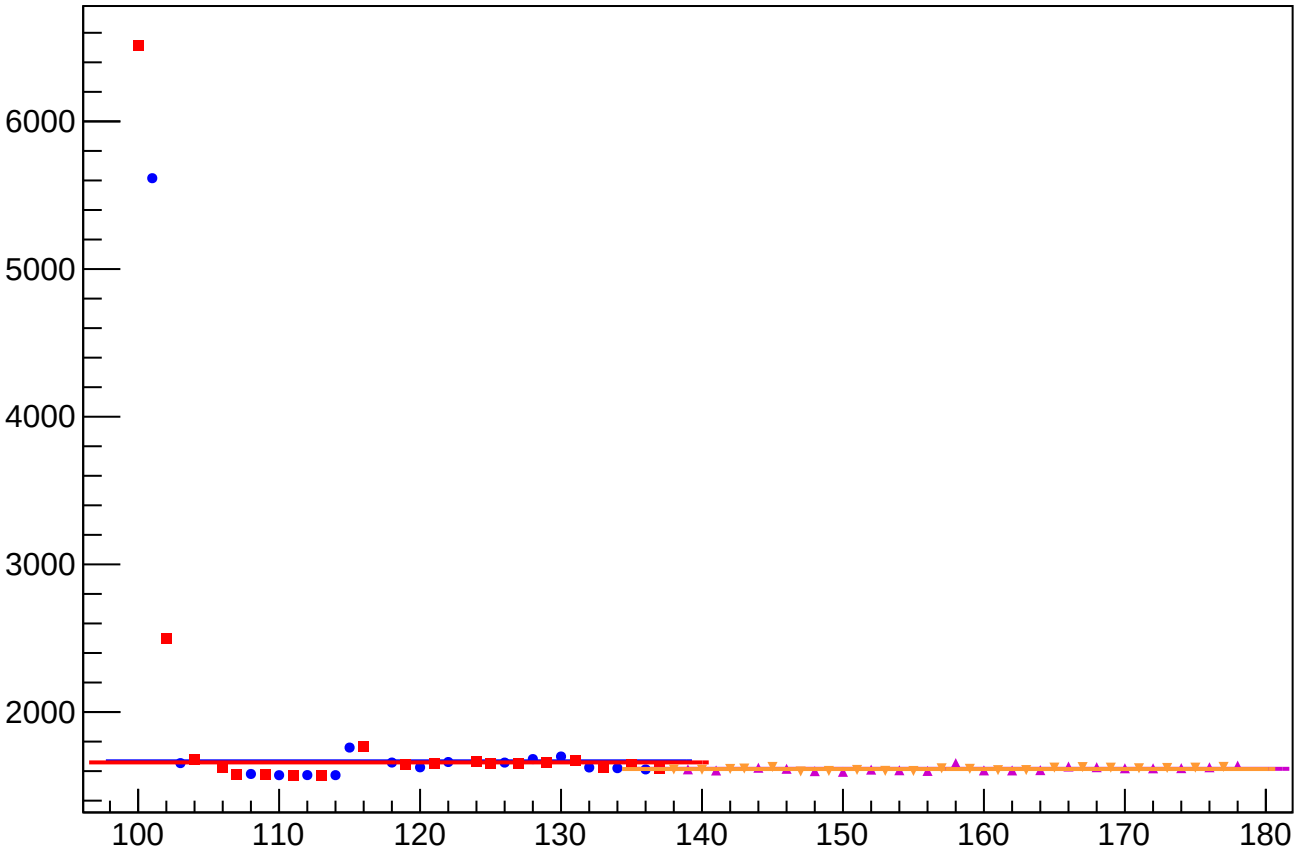
Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: -2424.483+/-399.613 χ^2/NDF:31.2/19

+ sign 2276.097+/-335.349 χ^2/NDF: 36.2/36

All: -76.798+/-237.179 χ^2/NDF: 176.4/75

- sign -2431.735+/-335.495 χ^2/NDF: 41.7/38



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1614.089+/-0.279 χ^2/NDF:1184.2/20

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

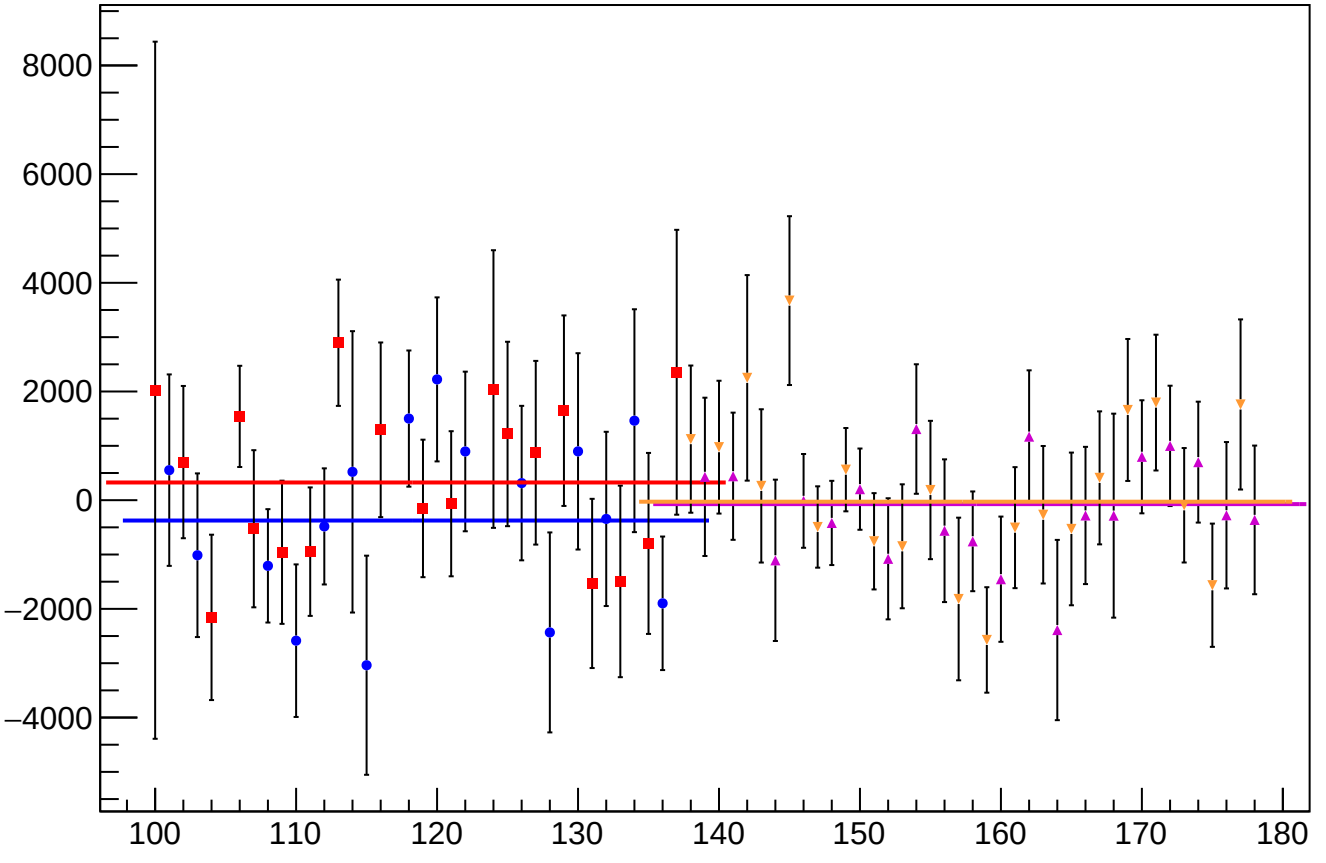
Left In: 1615.588+/-0.283 χ^2/NDF:2484.8/19

+ sign 1628.731+/-0.237 χ^2/NDF: 673907.3/36

All: 1628.567+/-0.168 χ^2/NDF: 876585.0/75

- sign 1628.402+/-0.237 χ^2/NDF: 202676.8/38

asym_usr_atr1_avg_dit_correction_mean vs Slug



Right In: -374.592+/-367.944 χ^2/NDF: 15.7/15

Left Out: -28.044+/-250.112 χ^2/NDF:26.5/20

Right Out: 325.671+/-340.620 χ^2/NDF: 17.4/18

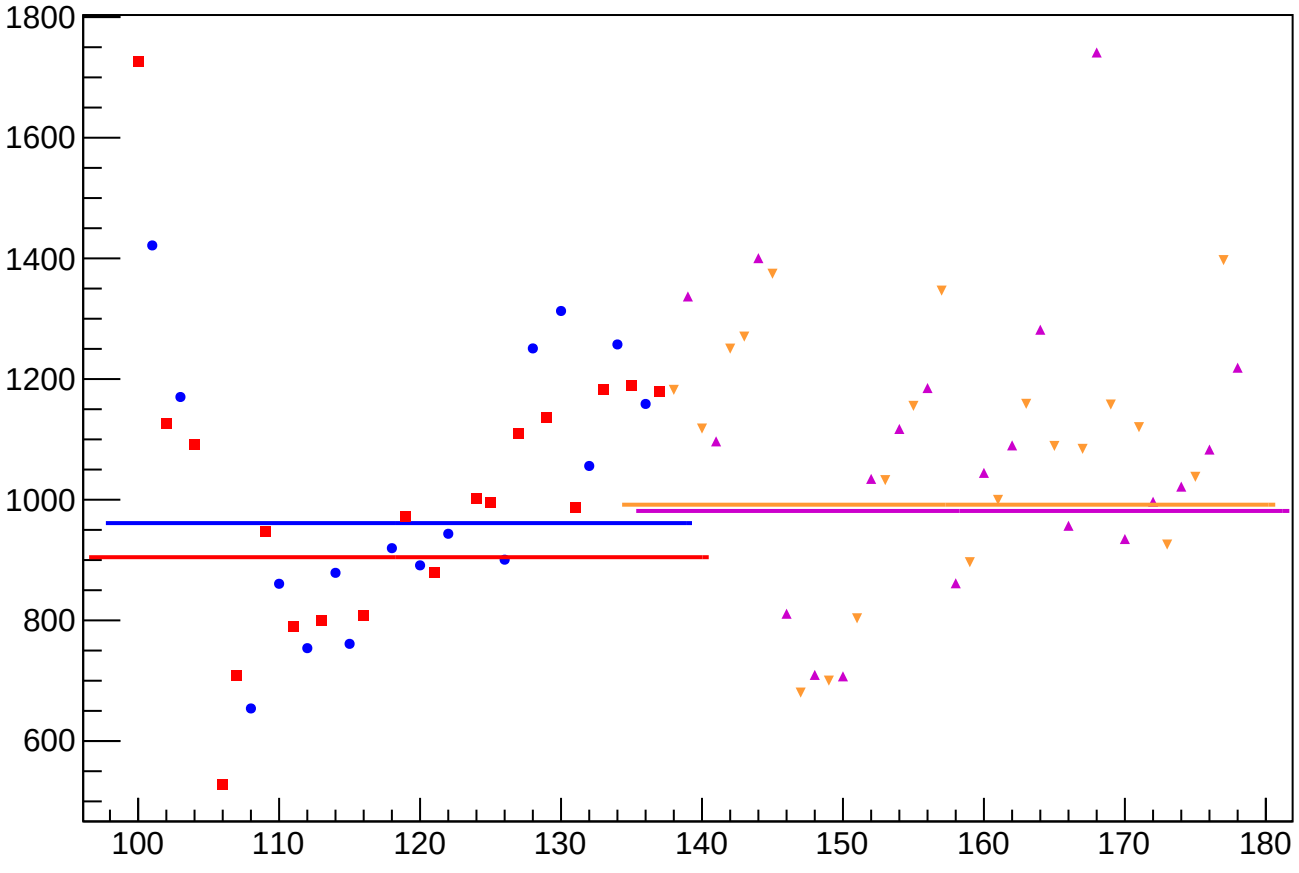
Left In: -72.569+/-249.516 χ^2/NDF:10.6/19

+ sign -137.566+/-206.848 χ^2/NDF: 42.8/36

All: -32.752+/-144.257 χ^2/NDF: 72.3/75

- sign 66.502+/-201.287 χ^2/NDF: 28.9/38

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 991.762+/-0.177 χ^2/NDF:1445918.9/20

Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

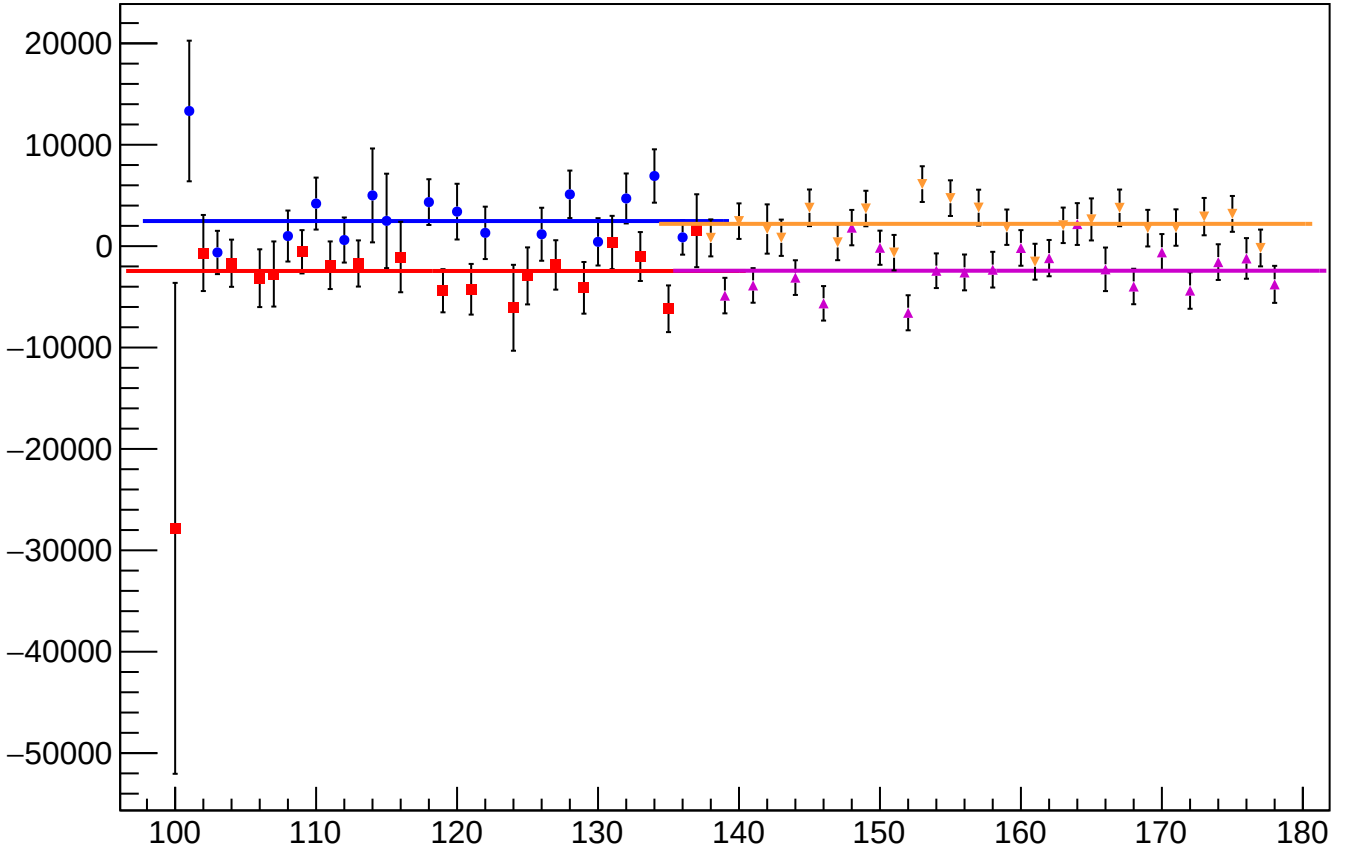
Left In: 981.380+/-0.176 χ^2/NDF:1498312.5/19

+ sign 982.117+/-0.146 χ^2/NDF: 2147205.5/36

All: 967.991+/-0.102 χ^2/NDF: 4466061.1/75

- sign 954.615+/-0.142 χ^2/NDF: 2300696.9/38

eigen_dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2198.696+/-395.185 χ^2/NDF:21.9/20

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

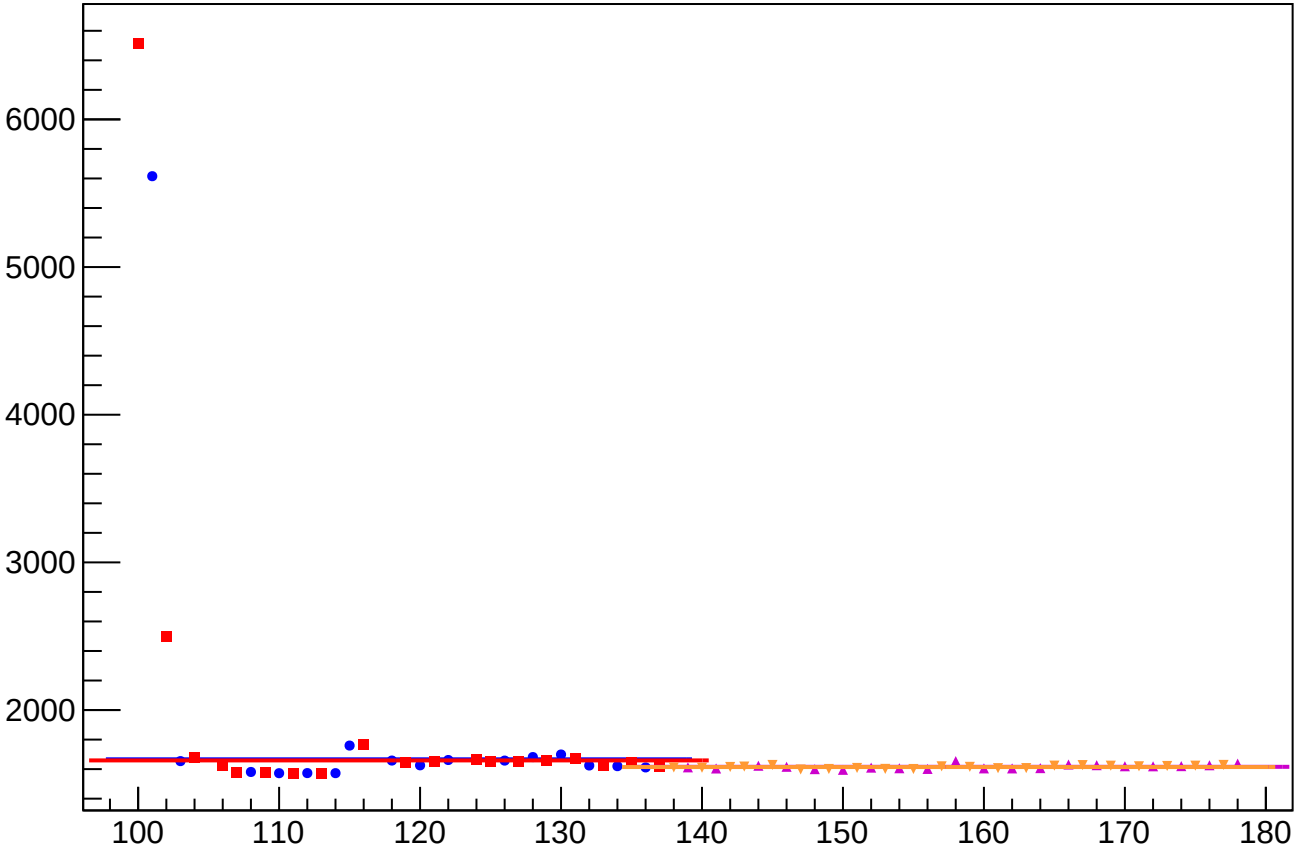
Left In: -2424.484+/-399.613 χ^2/NDF:31.2/19

+ sign 2276.097+/-335.349 χ^2/NDF: 36.2/36

All: -76.798+/-237.179 χ^2/NDF: 176.4/75

- sign -2431.736+/-335.495 χ^2/NDF: 41.7/38

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1614.089+/-0.279 χ^2/NDF:1184.2/20

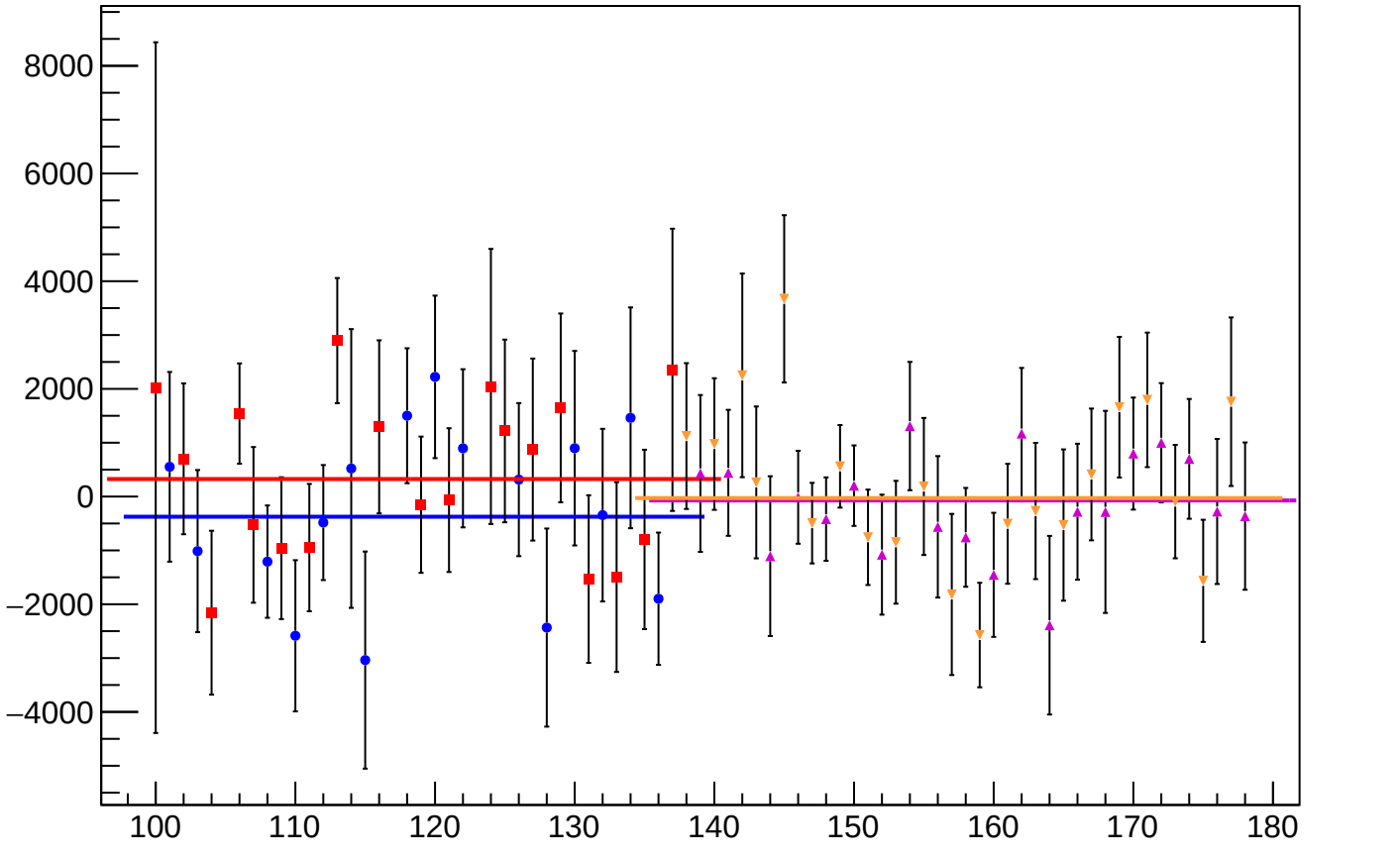
Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1615.588+/-0.283 χ^2/NDF:2484.8/19

+ sign 1628.731+/-0.237 χ^2/NDF: 673907.3/36

All: 1628.567+/-0.168 χ^2/NDF: 876584.8/75

- sign 1628.402+/-0.237 χ^2/NDF: 202676.5/38



Right In: -374.590+/-367.943 χ^2/NDF: 15.7/15

Left Out: -28.046+/-250.112 χ^2/NDF:26.5/20

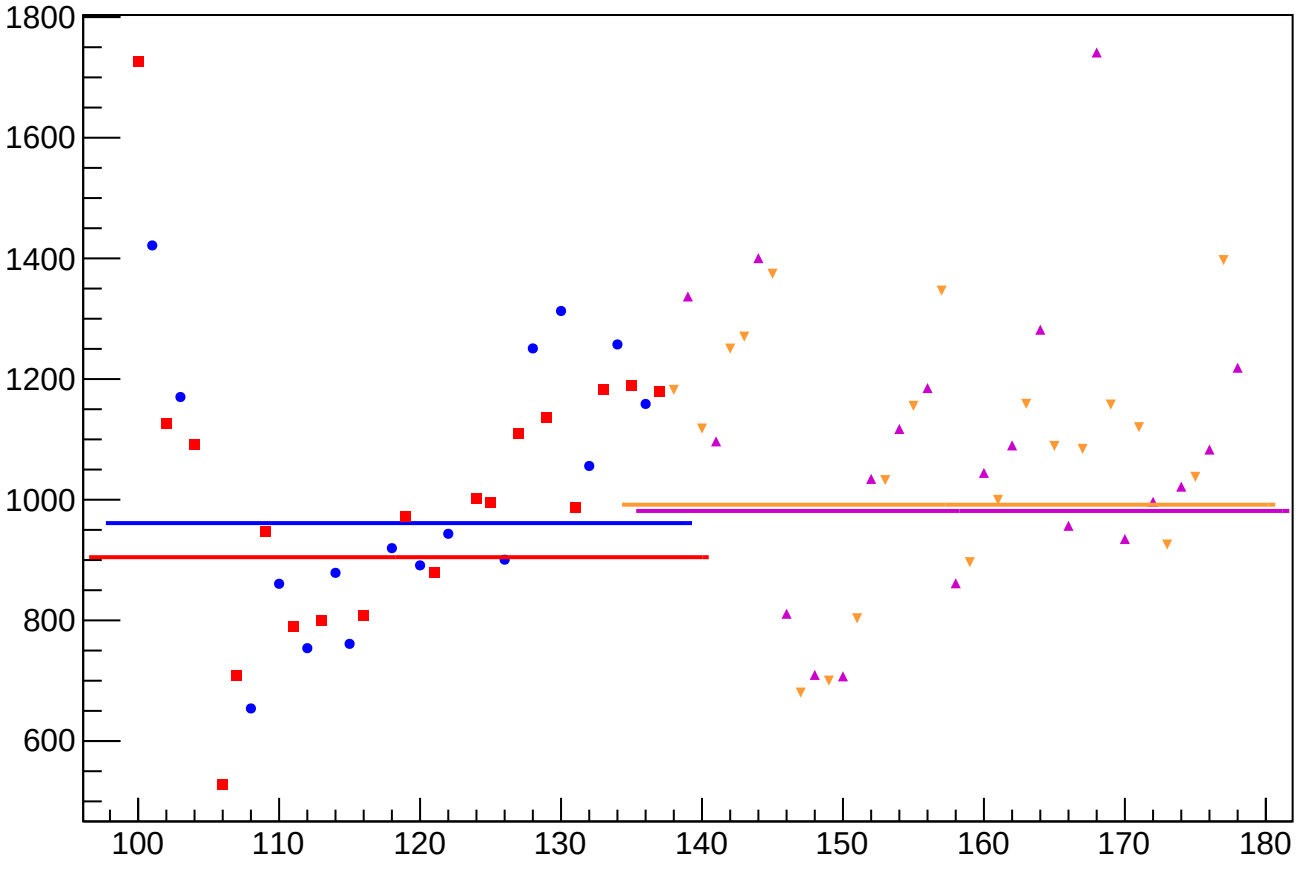
Right Out: 325.670+/-340.619 χ^2/NDF: 17.4/18

Left In: -72.570+/-249.516 χ^2/NDF:10.6/19

+ sign -137.567+/-206.848 χ^2/NDF: 42.8/36

All: -32.753+/-144.257 χ^2/NDF: 72.3/75

- sign 66.502+/-201.287 χ^2/NDF: 28.9/38



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 991.764+/-0.177 χ^2/NDF:1445921.6/20

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

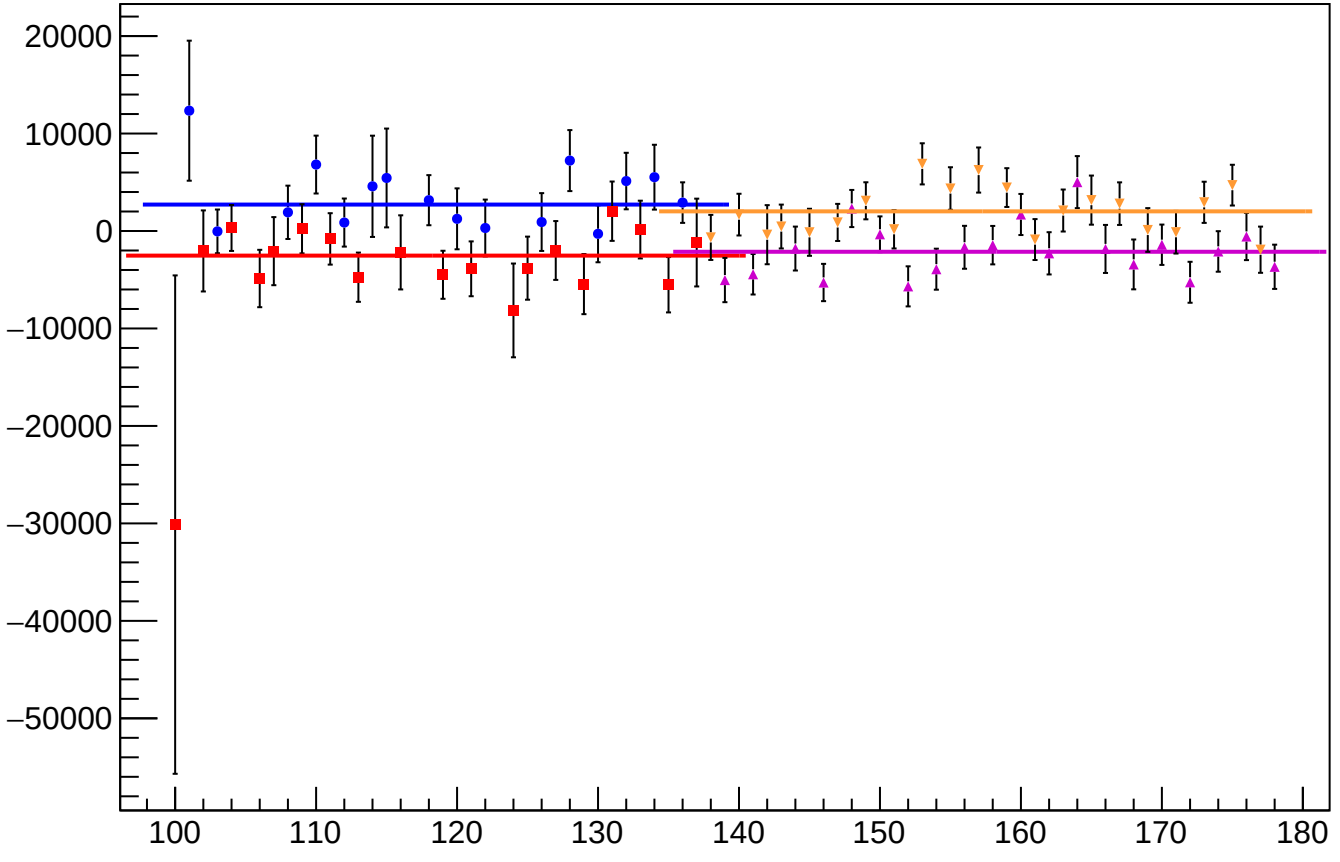
Left In: 981.382+/-0.176 χ^2/NDF:1498315.3/19

+ sign 982.117+/-0.146 χ^2/NDF: 2147219.9/36

All: 967.991+/-0.102 χ^2/NDF: 4466083.5/75

- sign 954.615+/-0.142 χ^2/NDF: 2300705.0/38

asym_usr_atr1_avg_mean vs Slug



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 2015.739+/-475.892 χ^2/NDF:24.7/20

Right Out: -2525.536+/-706.449 χ^2/NDF: 13.2/18

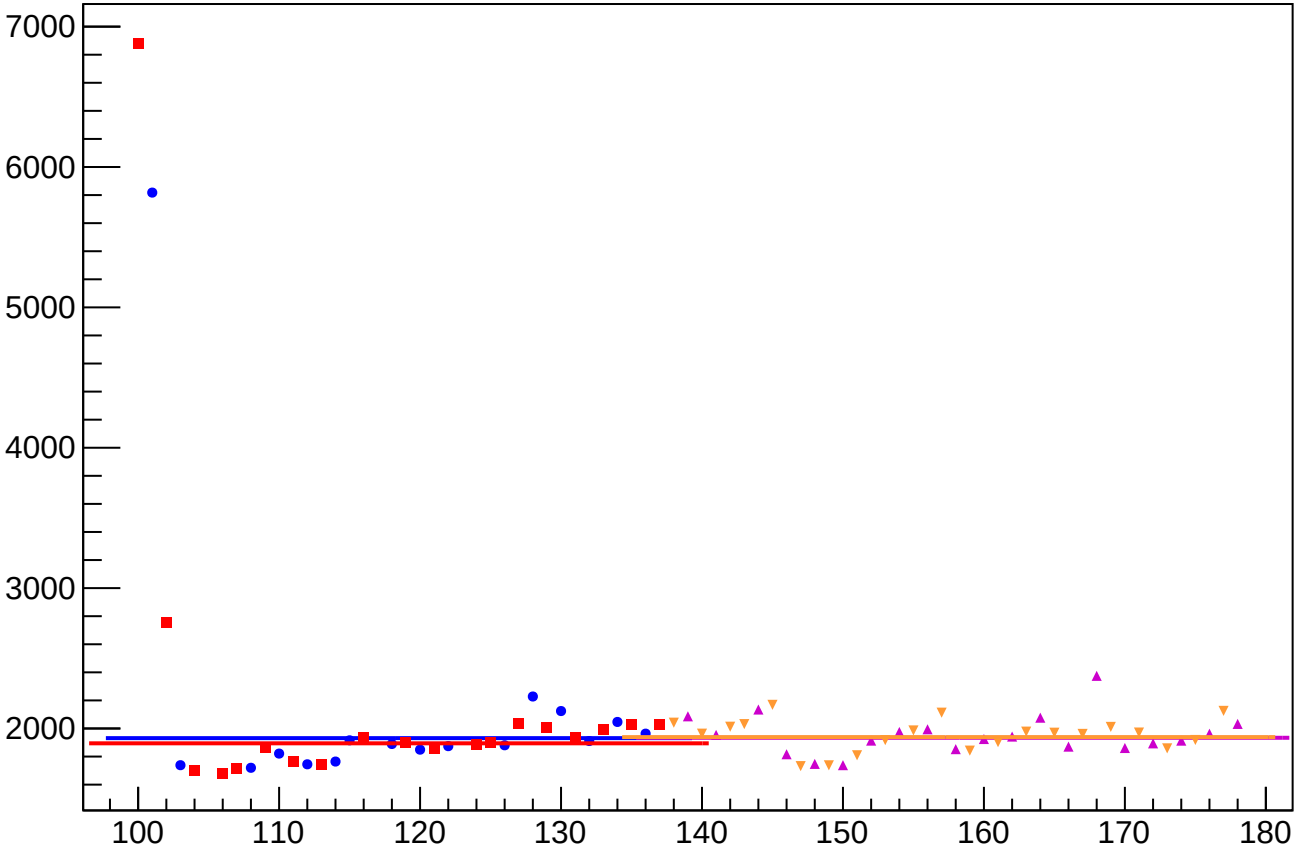
Left In: -2130.930+/-479.725 χ^2/NDF:29.8/19

+ sign 2221.192+/-399.484 χ^2/NDF: 37.4/36

All: -31.833+/-281.549 χ^2/NDF: 143.9/75

- sign -2255.467+/-396.869 χ^2/NDF: 43.3/38

asym_usr_atr1_avg_rms vs Slug



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 1938.423+/-0.337 χ^2/NDF:118493.8/20

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

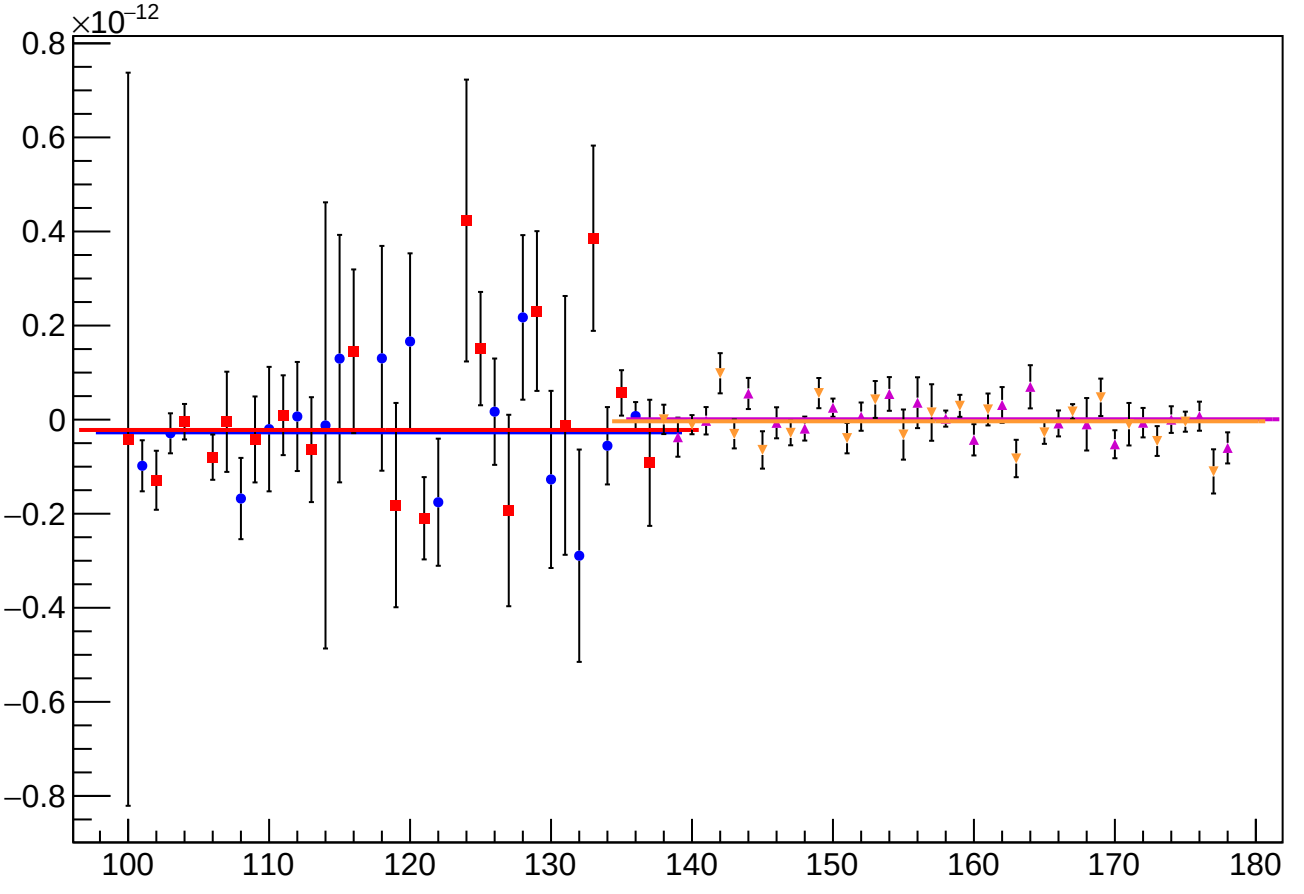
Left In: 1933.788+/-0.339 χ^2/NDF:154388.9/19

+ sign 1936.304+/-0.282 χ^2/NDF: 779855.0/36

All: 1928.773+/-0.199 χ^2/NDF: 1160463.4/75

- sign 1921.341+/-0.281 χ^2/NDF: 379196.1/38

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:34.0/20

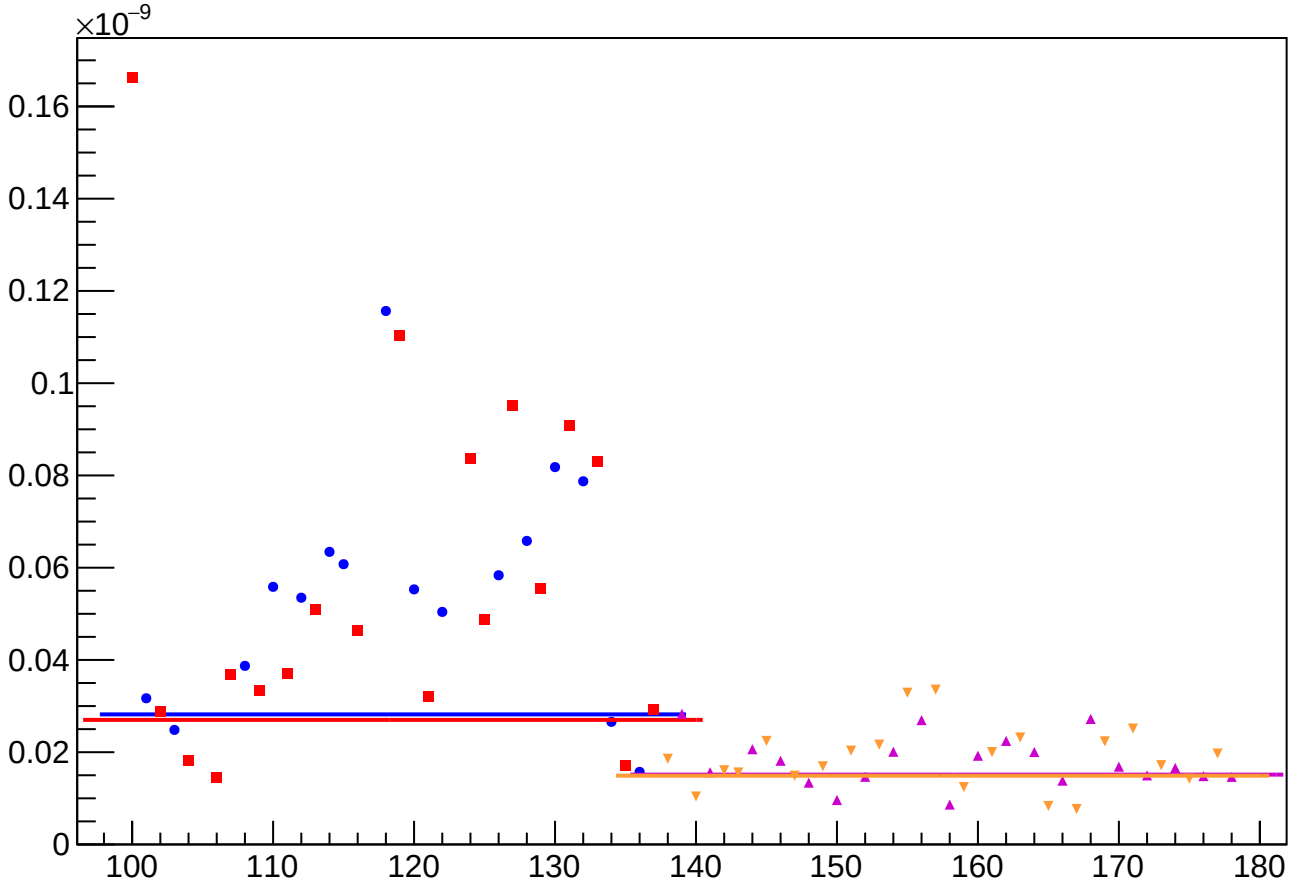
Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: 0.000+/-0.000 χ^2/NDF:20.0/19

+ sign -0.000+/-0.000 χ^2/NDF: 48.2/36

All: -0.000+/-0.000 χ^2/NDF: 95.1/75

- sign -0.000+/-0.000 χ^2/NDF: 46.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1666668.5/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

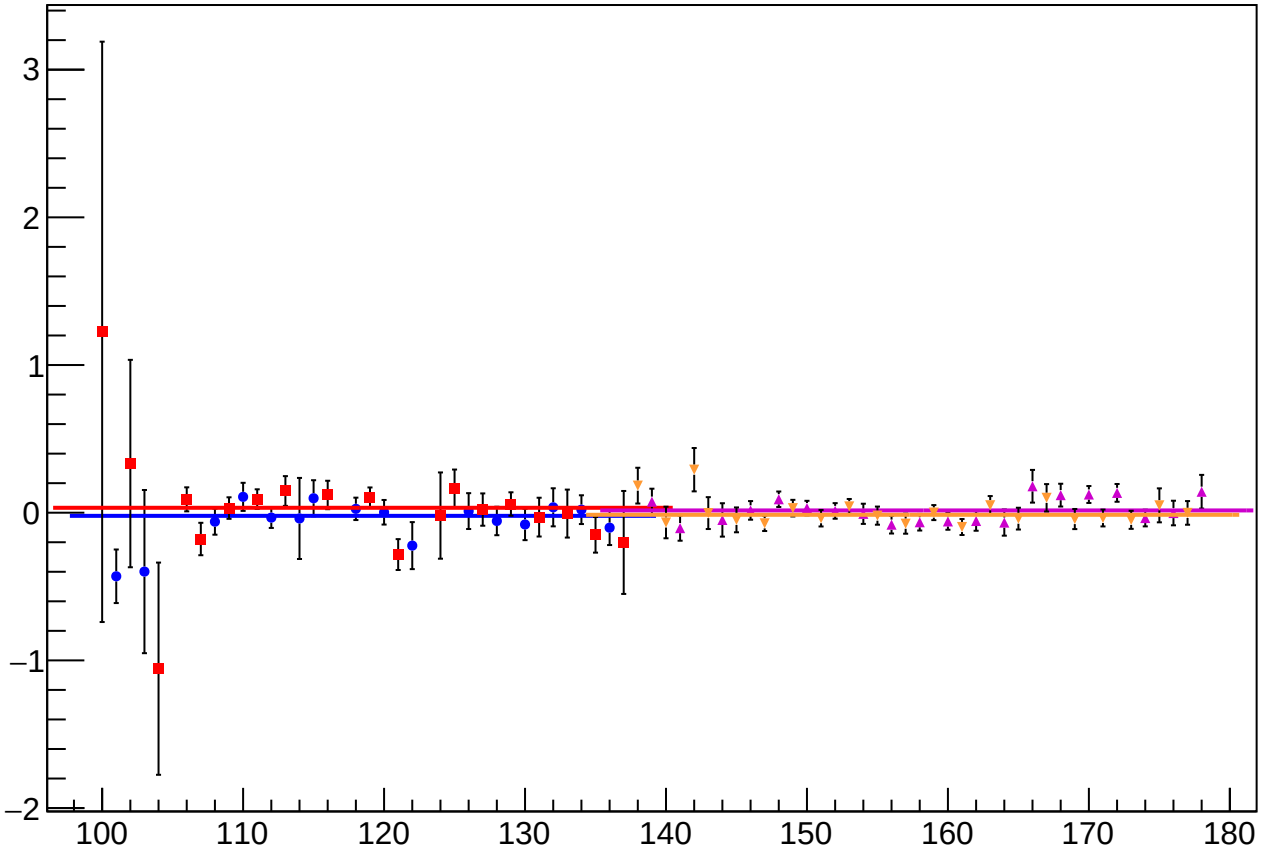
Left In: 0.000+/-0.000 χ^2/NDF:1104545.8/19

+ sign 0.000+/-0.000 χ^2/NDF: 4021153.5/36

All: 0.000+/-0.000 χ^2/NDF: 7354077.6/75

- sign 0.000+/-0.000 χ^2/NDF: 3332435.5/38

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: -0.014+/-0.015 χ^2/NDF:17.6/20

Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

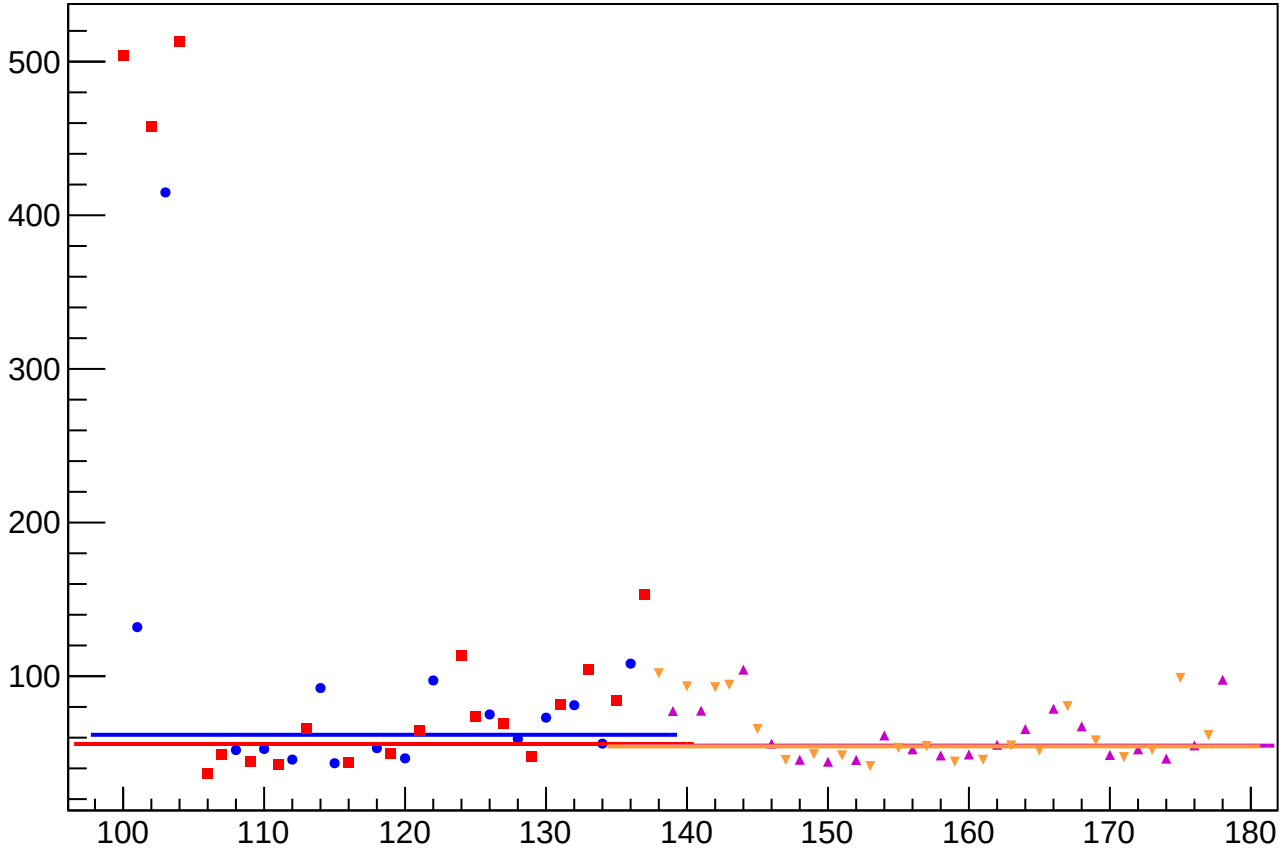
Left In: 0.015+/-0.015 χ^2/NDF:26.9/19

+ sign -0.016+/-0.013 χ^2/NDF: 29.7/36

All: 0.002+/-0.009 χ^2/NDF: 85.3/75

- sign 0.020+/-0.013 χ^2/NDF: 51.7/38

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 54.310+/-0.010 χ^2/NDF:1897850.5/20

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

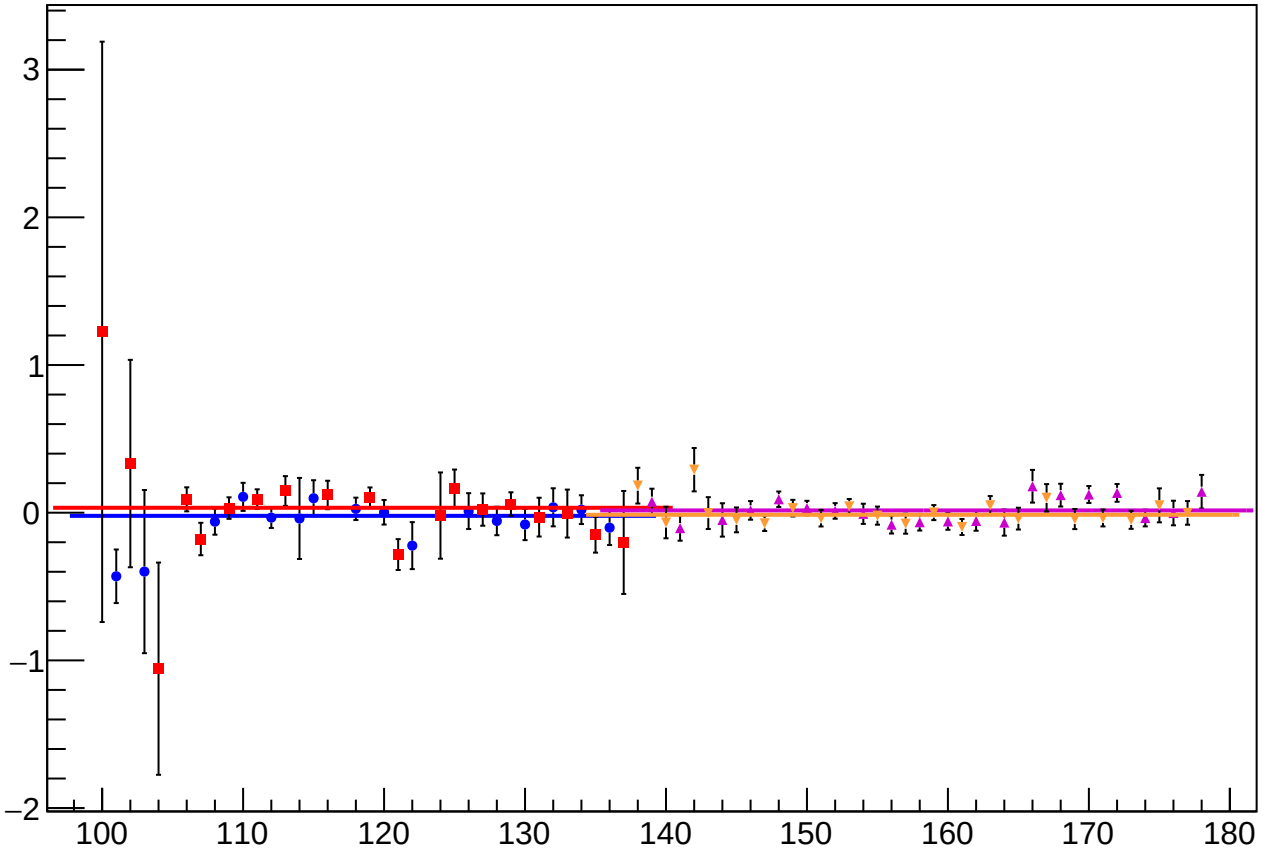
Left In: 54.812+/-0.010 χ^2/NDF:1470532.2/19

+ sign 56.088+/-0.009 χ^2/NDF: 3959981.4/36

All: 55.585+/-0.006 χ^2/NDF: 8030614.7/75

- sign 55.098+/-0.009 χ^2/NDF: 4064617.7/38

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: -0.014+/-0.015 χ^2/NDF:17.6/20

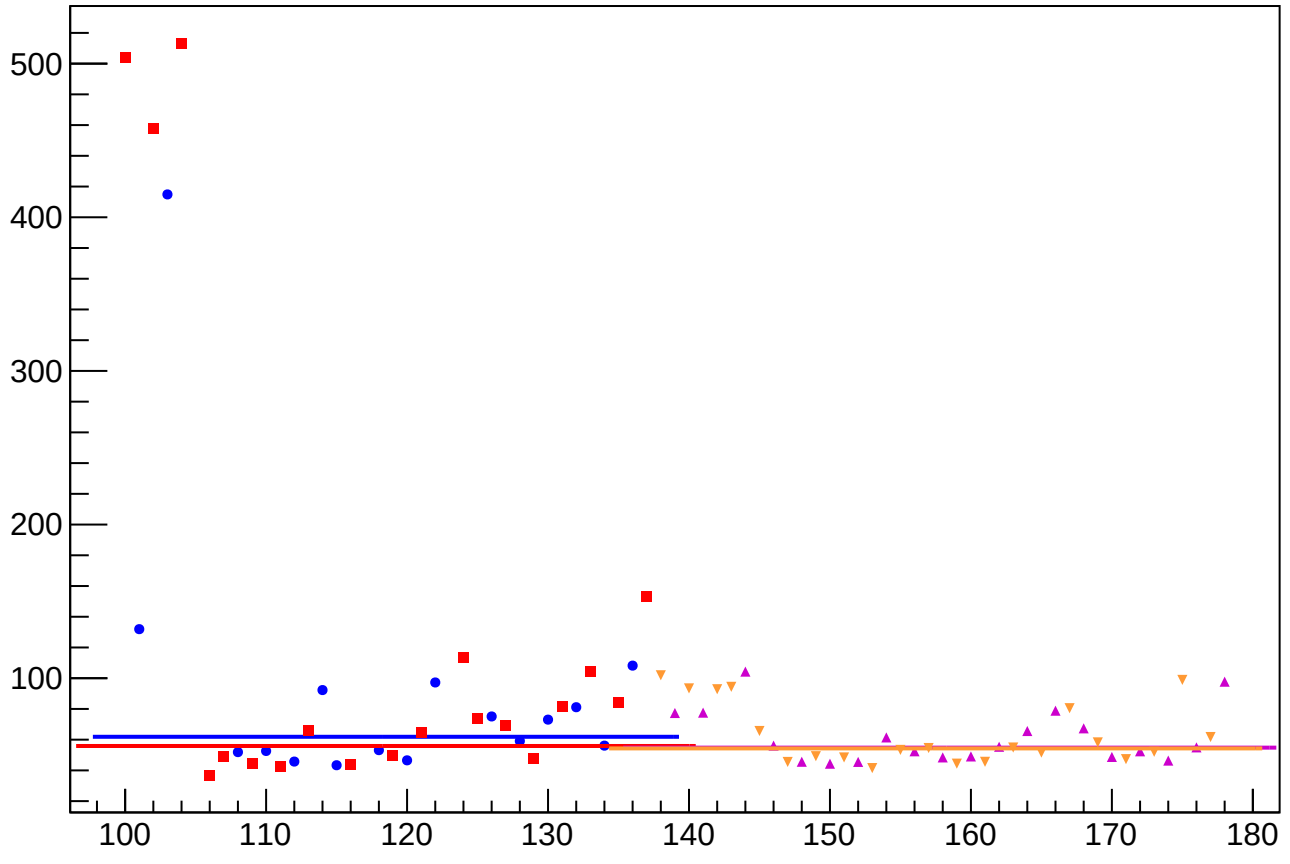
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.015+/-0.015 χ^2/NDF:26.9/19

+ sign -0.016+/-0.013 χ^2/NDF: 29.7/36

All: 0.002+/-0.009 χ^2/NDF: 85.3/75

- sign 0.020+/-0.013 χ^2/NDF: 51.7/38



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 54.310+/-0.010 χ^2/NDF:1897850.5/20

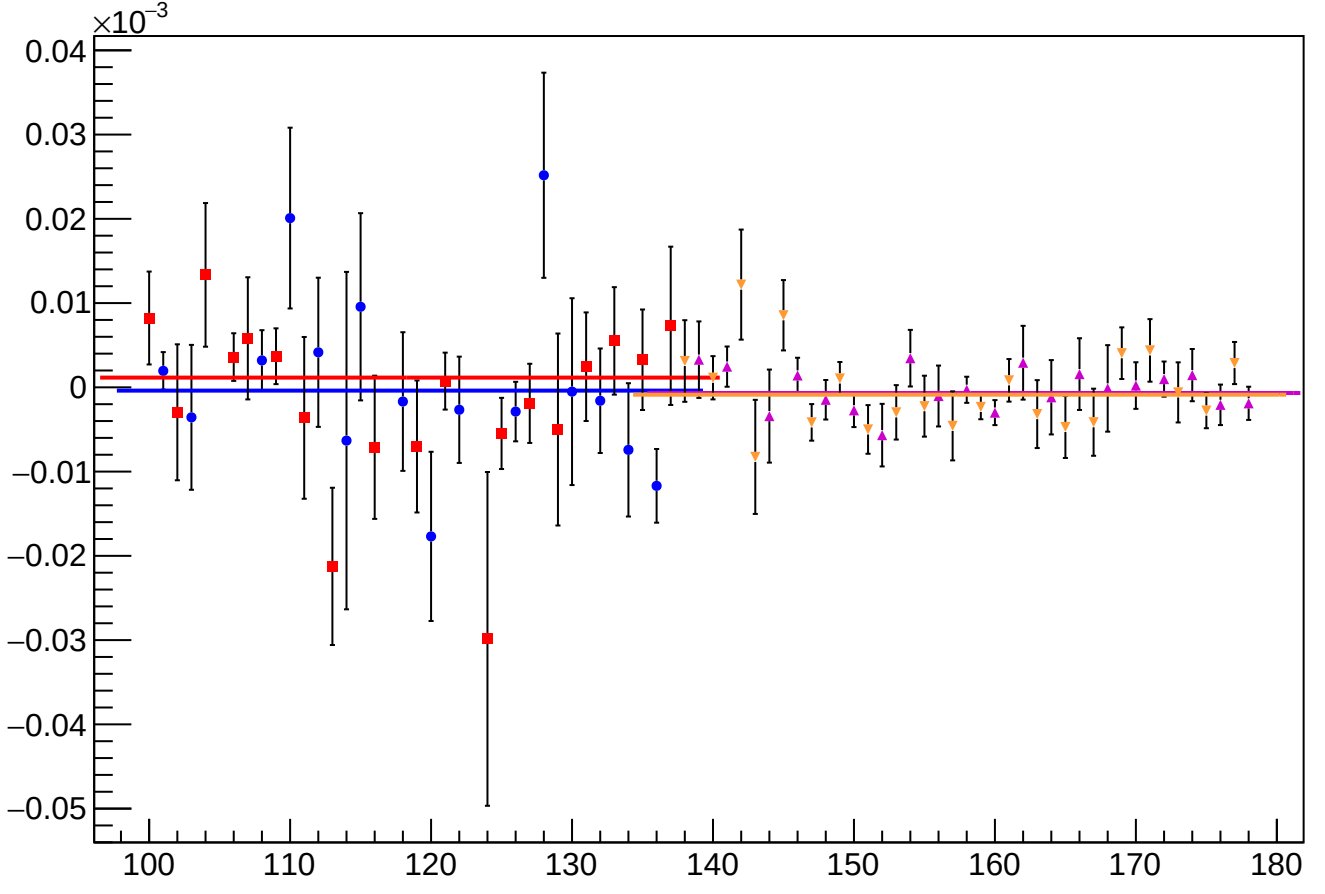
Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 54.812+/-0.010 χ^2/NDF:1470532.2/19

+ sign 56.088+/-0.009 χ^2/NDF: 3959981.4/36

All: 55.585+/-0.006 χ^2/NDF: 8030614.7/75

- sign 55.098+/-0.009 χ^2/NDF: 4064617.7/38



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/20

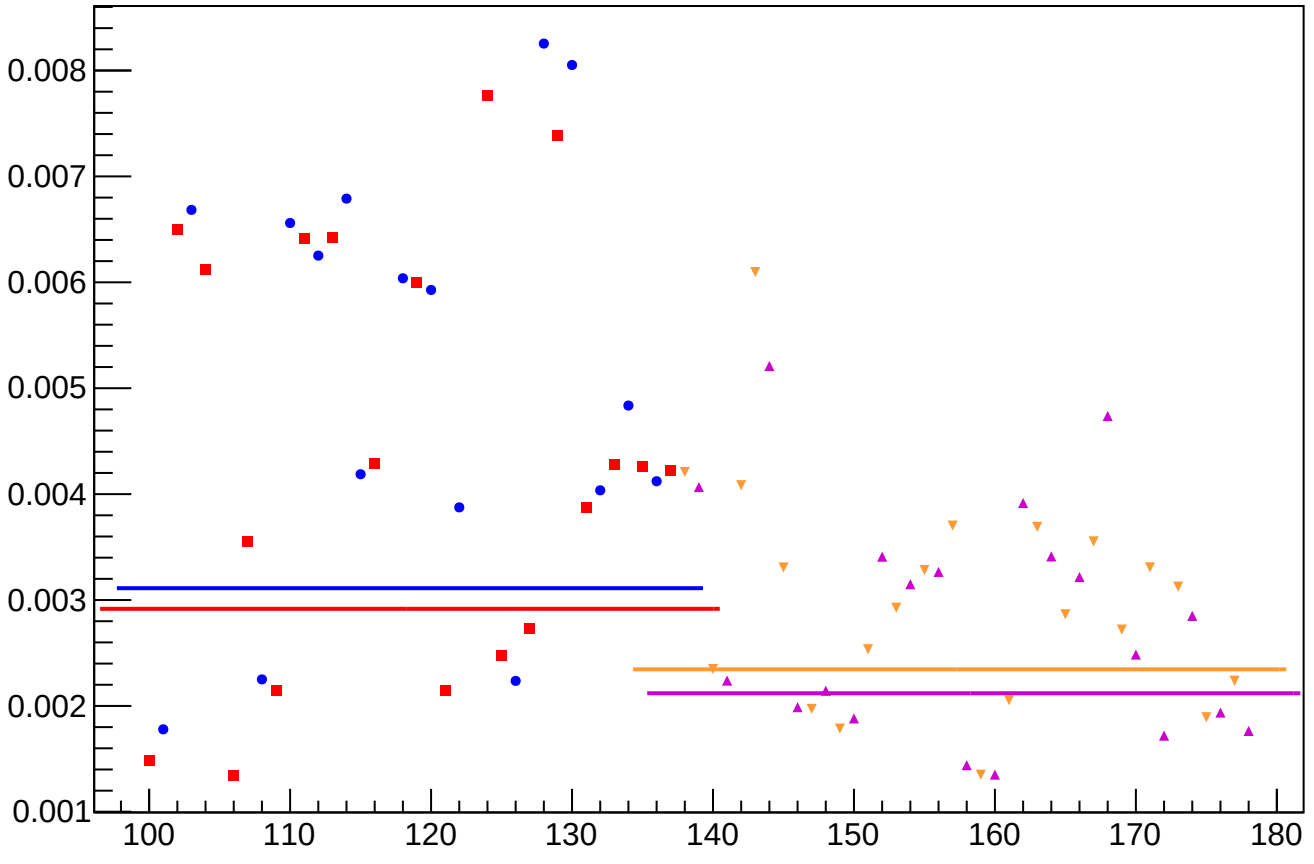
Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: -0.000+/-0.000 χ^2/NDF:13.7/19

+ sign -0.000+/-0.000 χ^2/NDF: 52.1/36

All: -0.000+/-0.000 χ^2/NDF: 88.3/75

- sign -0.000+/-0.000 χ^2/NDF: 35.9/38



Right In: 0.003+/-0.000 χ^2/NDF: 3283915.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:3565477.9/20

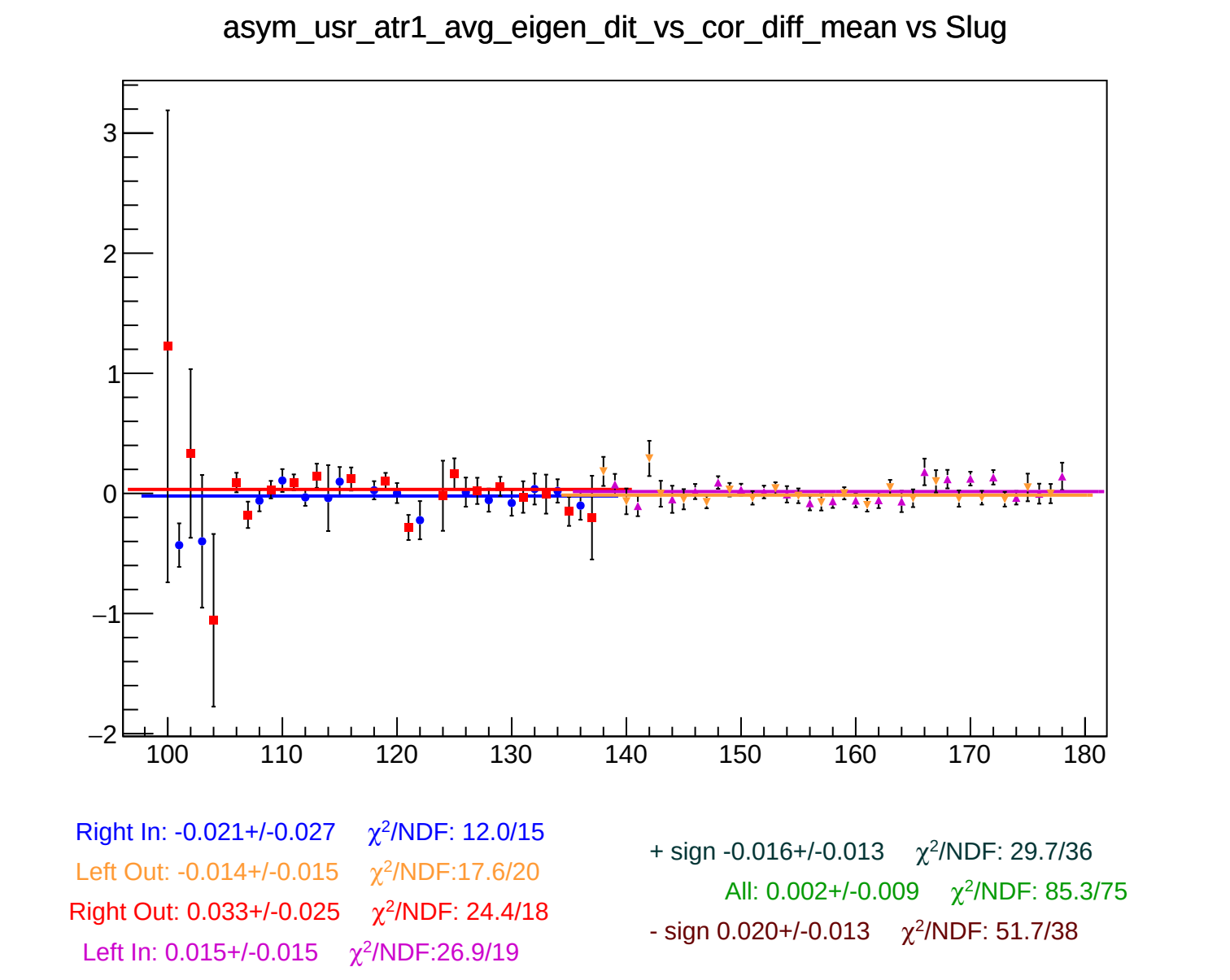
Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

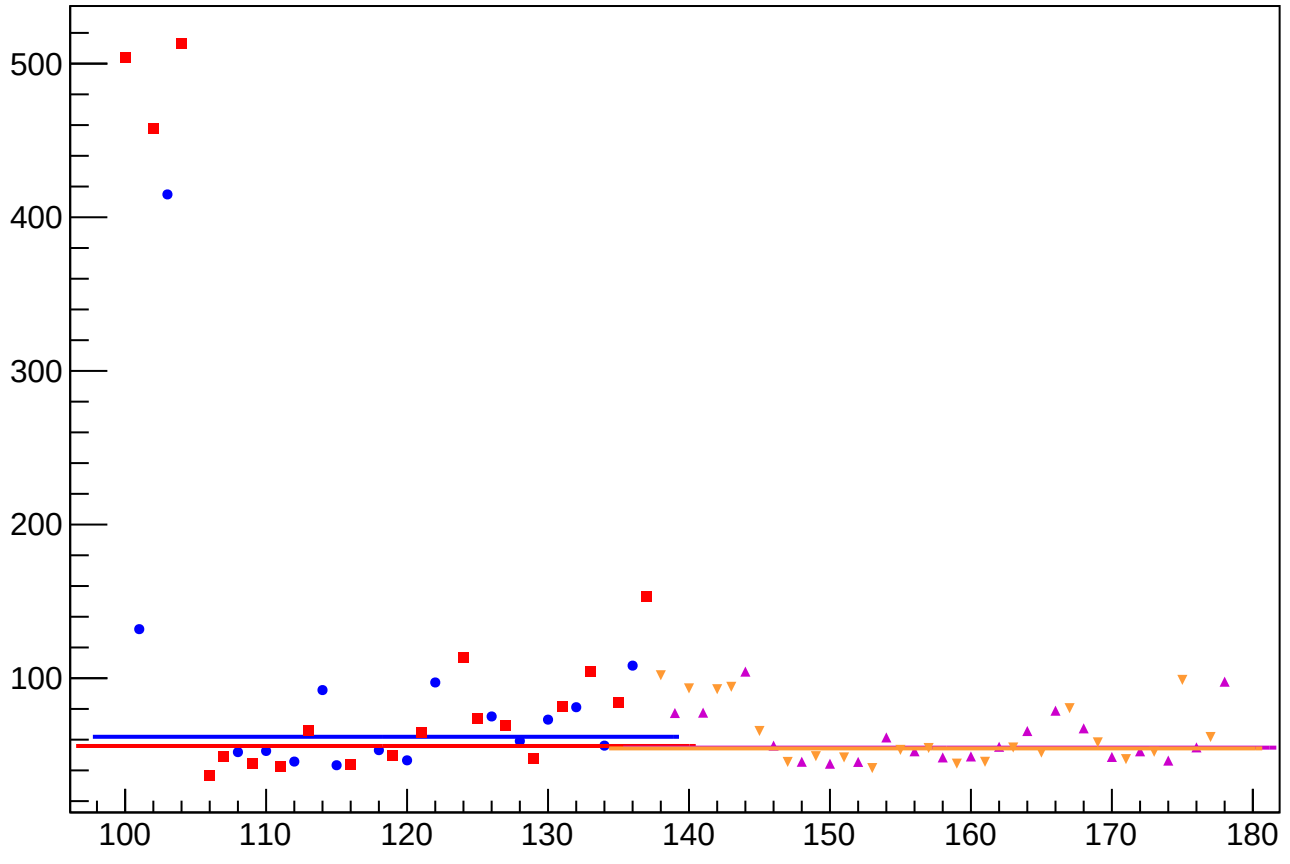
Left In: 0.002+/-0.000 χ^2/NDF:4044169.9/19

+ sign 0.002+/-0.000 χ^2/NDF: 7393150.2/36

All: 0.002+/-0.000 χ^2/NDF: 15582682.5/75

- sign 0.002+/-0.000 χ^2/NDF: 8012196.0/38


asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
Right In: -0.021+/-0.027 χ²/NDF: 12.0/15
Left Out: -0.014+/-0.015 χ²/NDF:17.6/20
Right Out: 0.033+/-0.025 χ²/NDF: 24.4/18
Left In: 0.015+/-0.015 χ²/NDF:26.9/19
+ sign -0.016+/-0.013 χ²/NDF: 29.7/36
All: 0.002+/-0.009 χ²/NDF: 85.3/75
- sign 0.020+/-0.013 χ²/NDF: 51.7/38



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 54.311+/-0.010 χ^2/NDF:1897908.6/20

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

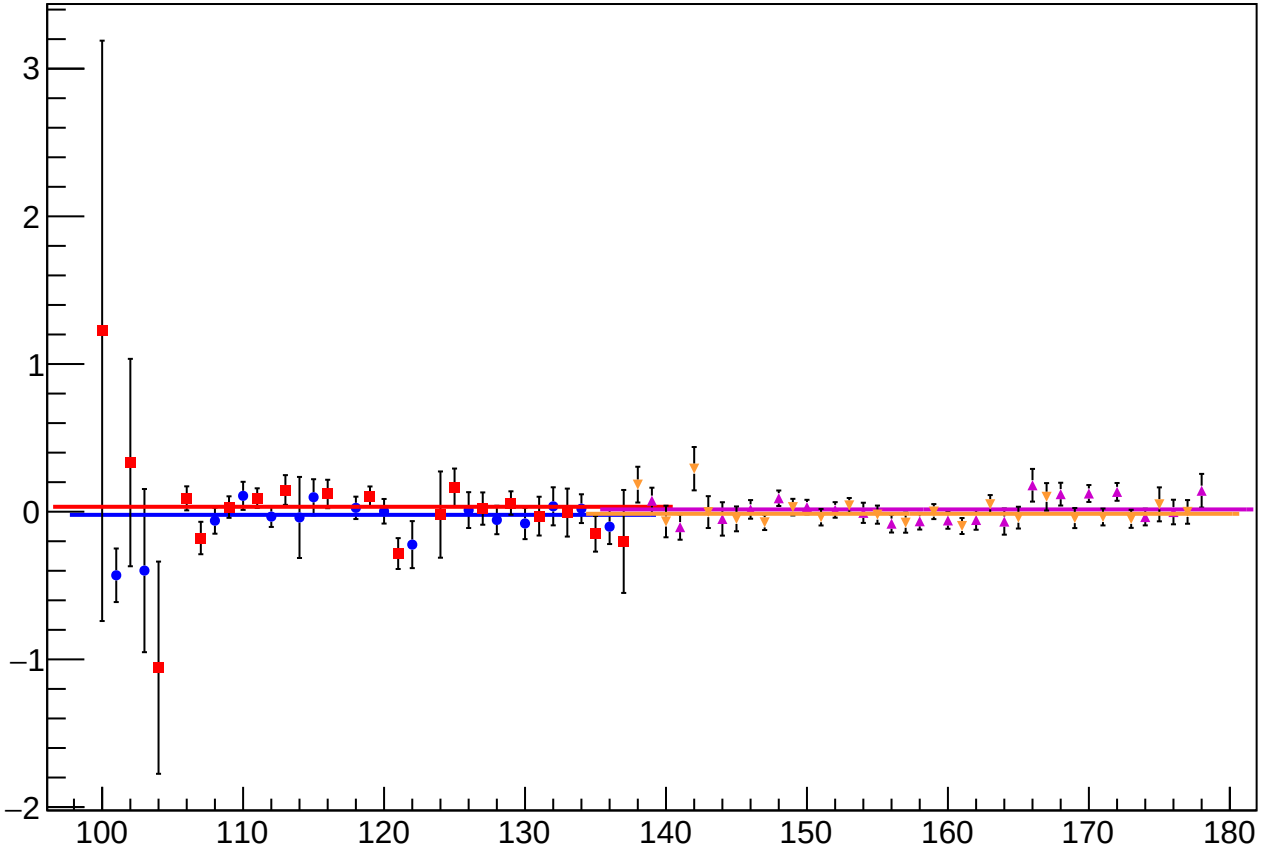
Left In: 54.812+/-0.010 χ^2/NDF:1470530.3/19

+ sign 56.088+/-0.009 χ^2/NDF: 3959964.3/36

All: 55.585+/-0.006 χ^2/NDF: 8030550.3/75

- sign 55.097+/-0.009 χ^2/NDF: 4064568.9/38

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.014+/-0.015 χ^2/NDF:17.6/20

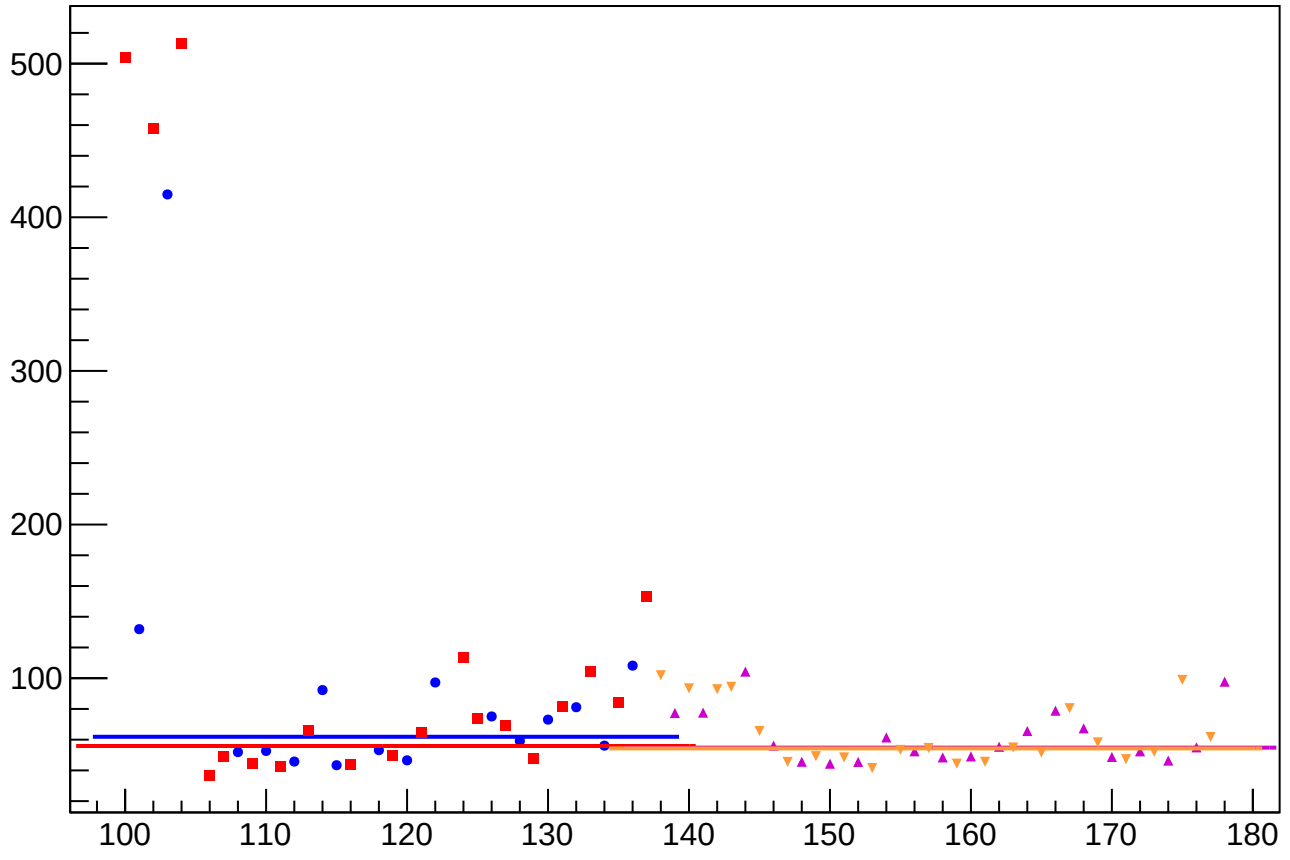
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.015+/-0.015 χ^2/NDF:26.9/19

+ sign -0.016+/-0.013 χ^2/NDF: 29.7/36

All: 0.002+/-0.009 χ^2/NDF: 85.3/75

- sign 0.020+/-0.013 χ^2/NDF: 51.7/38



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 54.311+/-0.010 χ^2/NDF:1897908.6/20

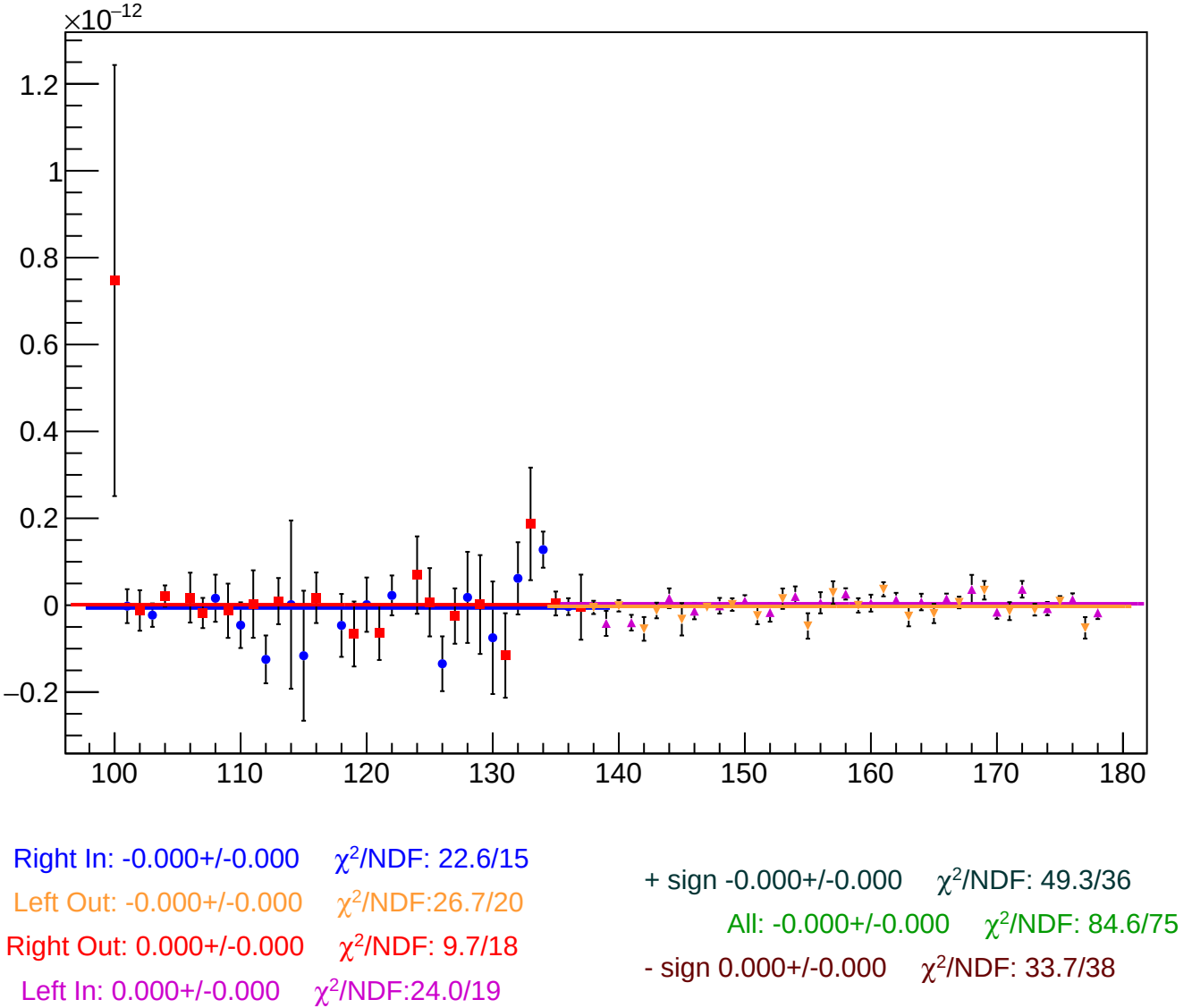
Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

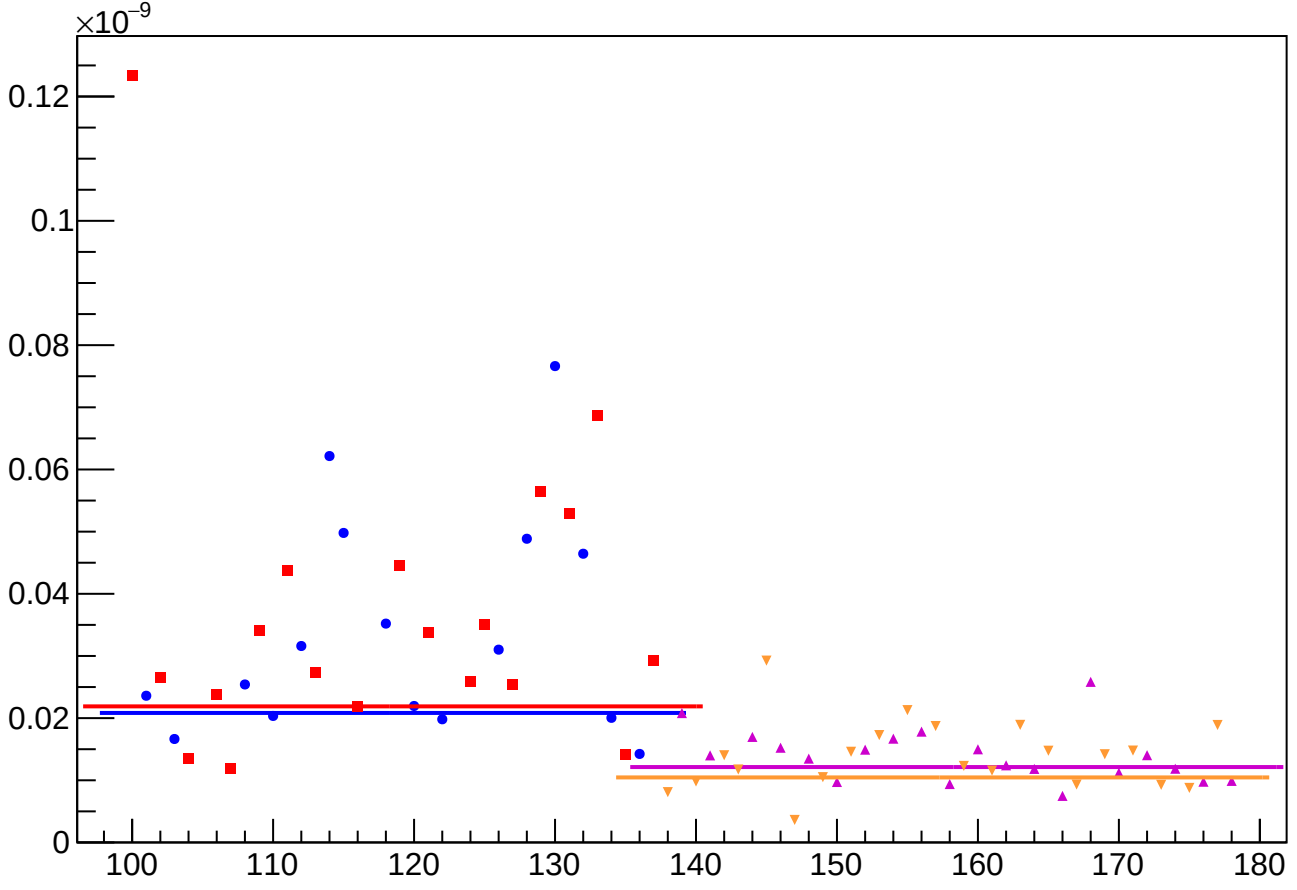
Left In: 54.812+/-0.010 χ^2/NDF:1470530.3/19

+ sign 56.088+/-0.009 χ^2/NDF: 3959964.3/36

All: 55.585+/-0.006 χ^2/NDF: 8030550.3/75

- sign 55.097+/-0.009 χ^2/NDF: 4064568.9/38


asym_usr_atr1_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 22.6/15
Left Out: -0.000+/-0.000 χ²/NDF:26.7/20
Right Out: 0.000+/-0.000 χ²/NDF: 9.7/18
Left In: 0.000+/-0.000 χ²/NDF:24.0/19
+ sign -0.000+/-0.000 χ²/NDF: 49.3/36
All: -0.000+/-0.000 χ²/NDF: 84.6/75
- sign 0.000+/-0.000 χ²/NDF: 33.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3501116.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

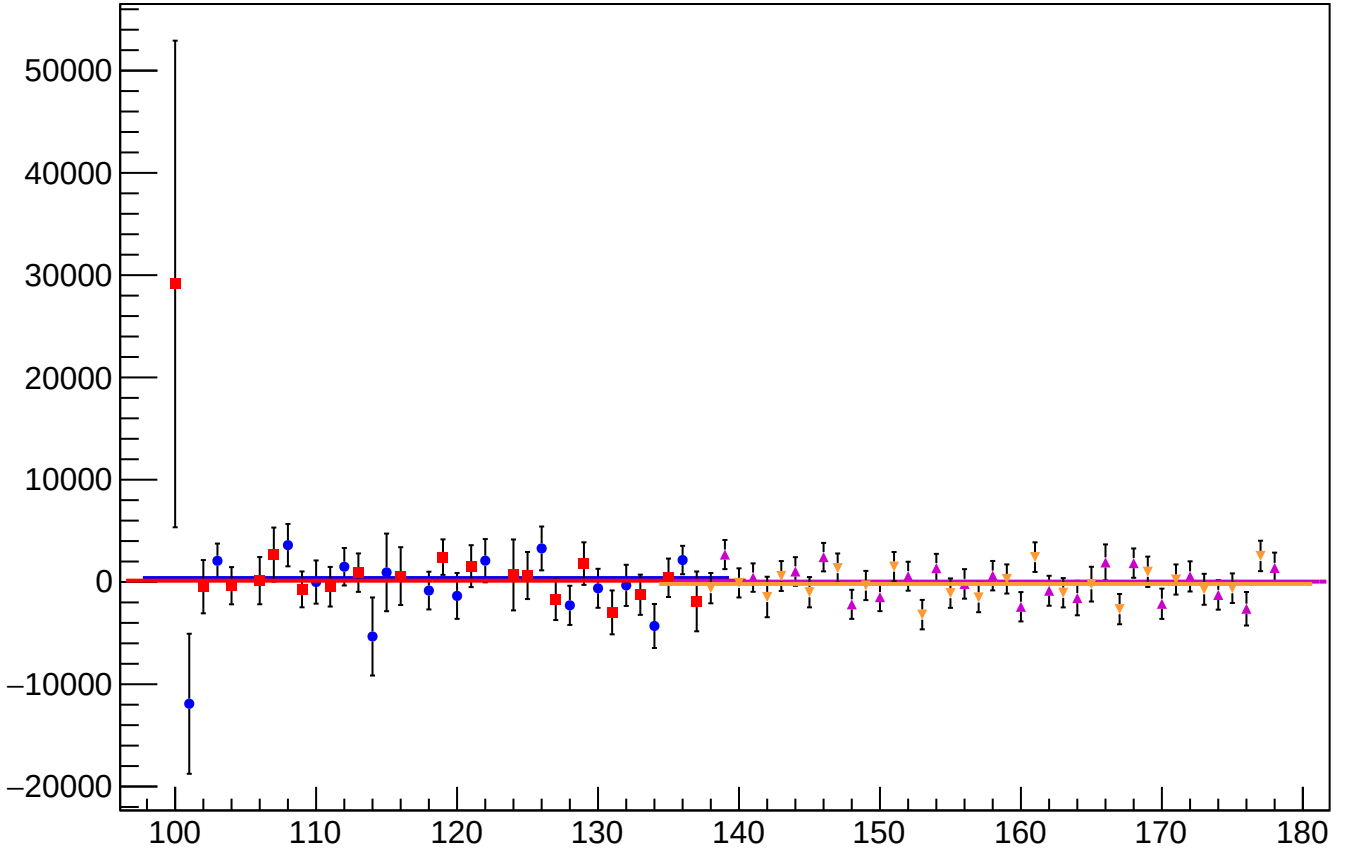
Left In: 0.000+/-0.000 χ^2/NDF:1540822.3/19

+ sign 0.000+/-0.000 χ^2/NDF: 6418853.3/36

All: 0.000+/-0.000 χ^2/NDF: 11296424.1/75

- sign 0.000+/-0.000 χ^2/NDF: 4664930.7/38

reg_asym_usr_atr1_dd_mean vs Slug



Right In: 381.403+/-517.789 χ^2/NDF: 21.5/15

Left Out: -190.672+/-322.956 χ^2/NDF:20.1/20

Right Out: 127.929+/-500.988 χ^2/NDF: 10.0/18

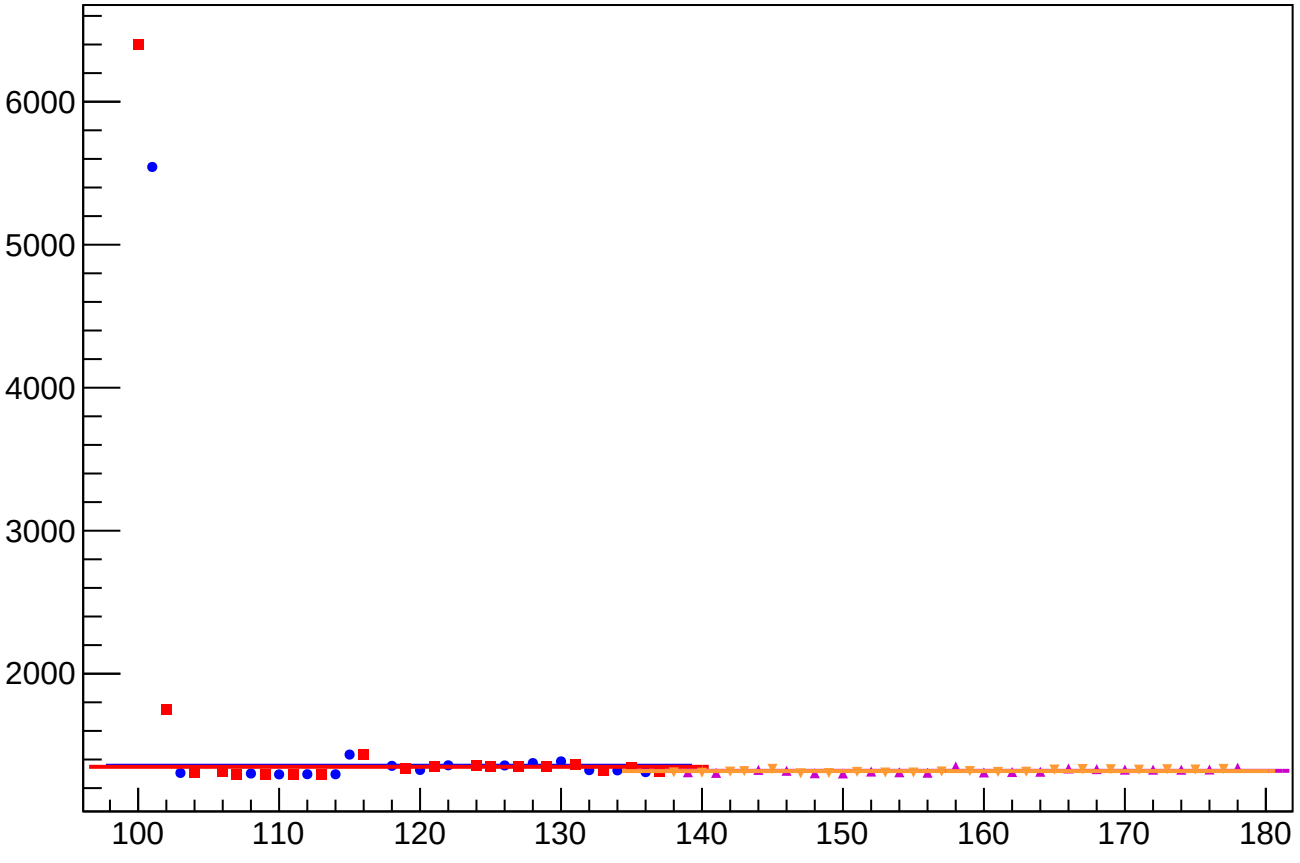
Left In: 35.534+/-326.708 χ^2/NDF:25.3/19

+ sign -30.450+/-274.024 χ^2/NDF: 42.5/36

All: 16.389+/-193.635 χ^2/NDF: 77.9/75

- sign 63.103+/-273.660 χ^2/NDF: 35.3/38

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1319.074+/-0.228 χ^2/NDF:2117.7/20

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

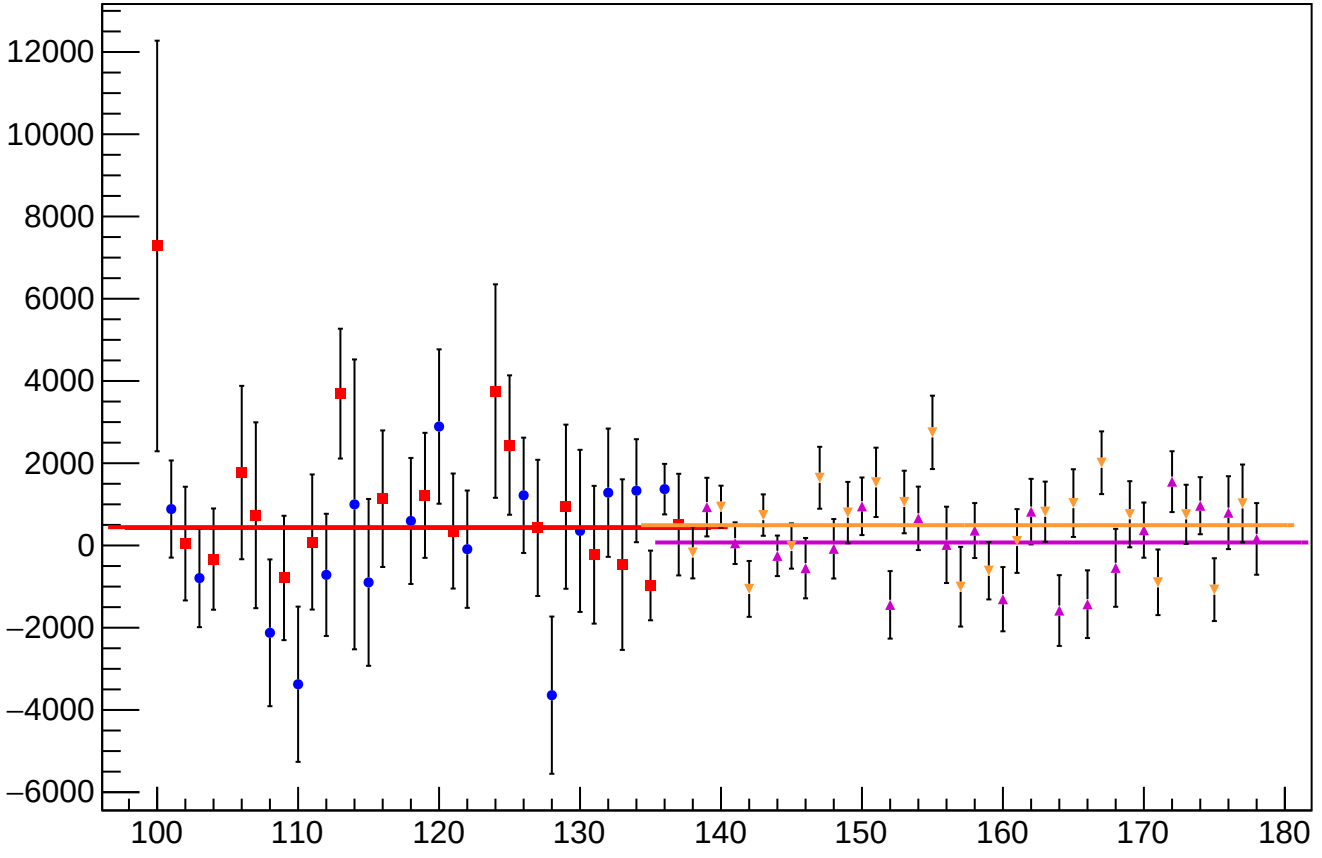
Left In: 1320.835+/-0.231 χ^2/NDF:3396.8/19

+ sign 1329.527+/-0.194 χ^2/NDF: 769865.0/36

All: 1329.379+/-0.137 χ^2/NDF: 924955.8/75

- sign 1329.231+/-0.194 χ^2/NDF: 155089.6/38

asym_usr_atr1_dd_reg_correction_mean vs Slug



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: 493.484+/-155.313 χ^2/NDF:36.7/20

Right Out: 444.555+/-355.594 χ^2/NDF: 14.4/18

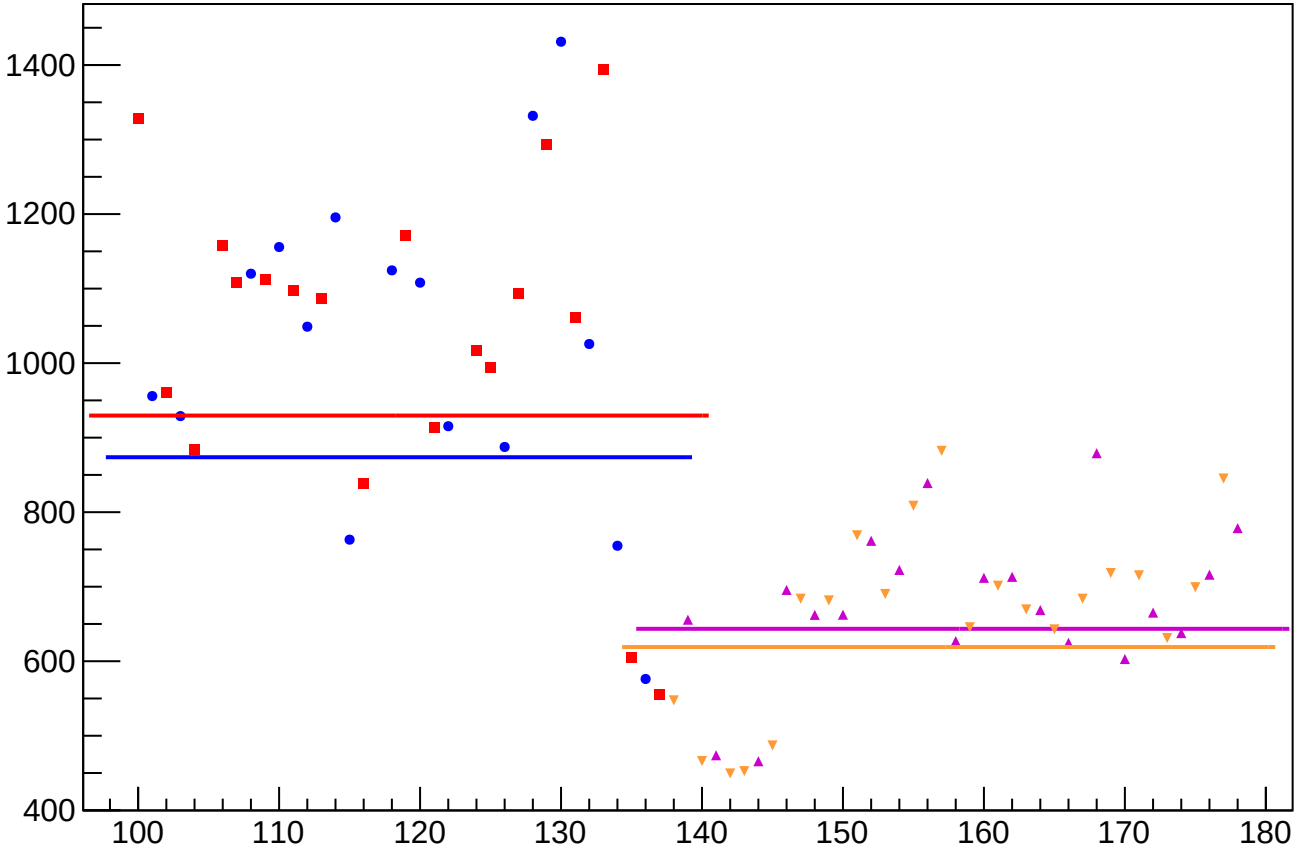
Left In: 72.605+/-161.758 χ^2/NDF:26.4/19

+ sign 482.504+/-141.160 χ^2/NDF: 55.0/36

All: 316.734+/-101.897 χ^2/NDF: 99.6/75

- sign 136.376+/-147.240 χ^2/NDF: 41.7/38

asym_usr_atr1_dd_reg_correction_rms vs Slug



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 619.022+/-0.110 χ^2/NDF:1259717.2/20

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

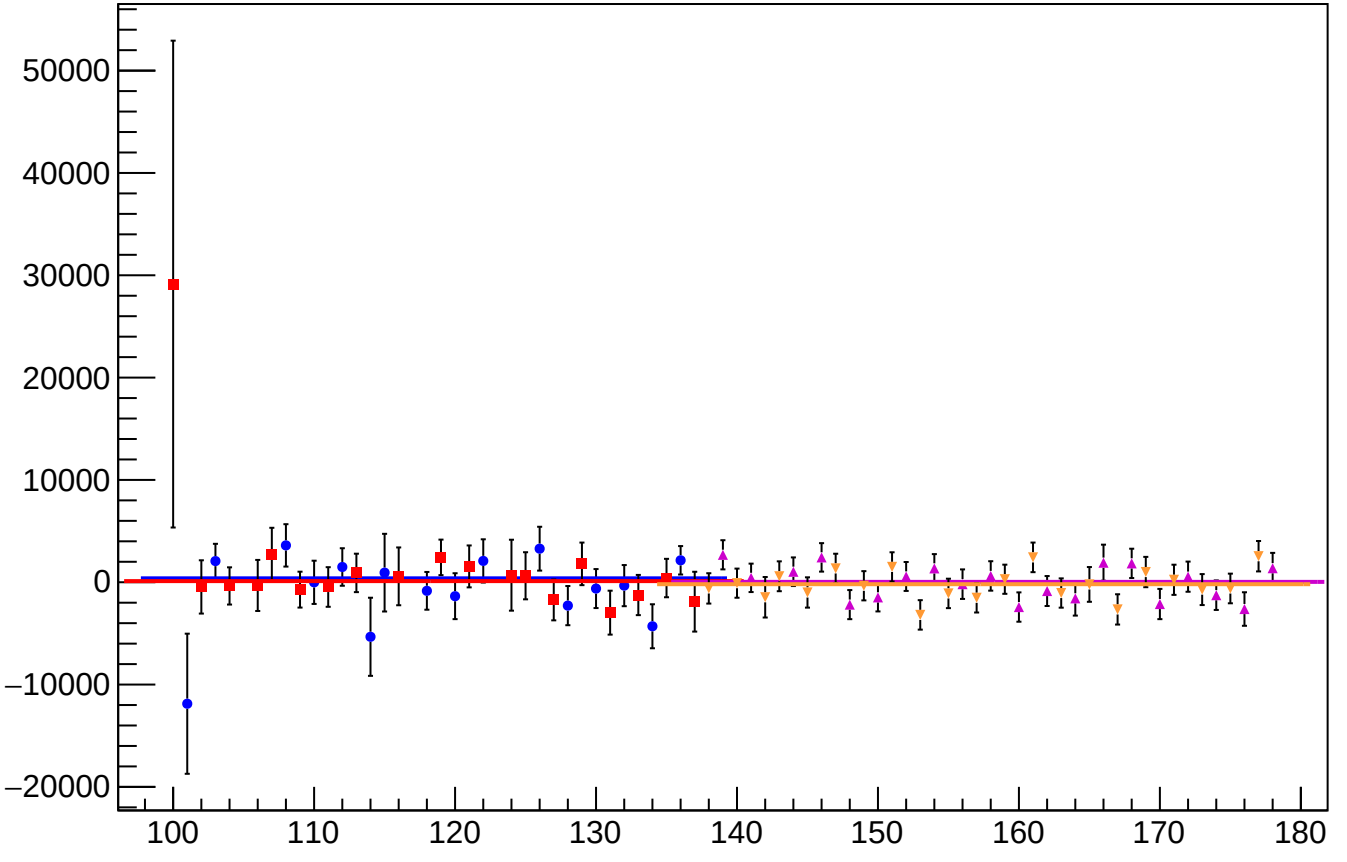
Left In: 643.478+/-0.114 χ^2/NDF:878325.3/19

+ sign 663.328+/-0.100 χ^2/NDF: 3210240.5/36

All: 677.318+/-0.072 χ^2/NDF: 6062654.3/75

- sign 692.540+/-0.104 χ^2/NDF: 2811392.2/38

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -190.704+/-322.956 χ^2/NDF:20.1/20

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

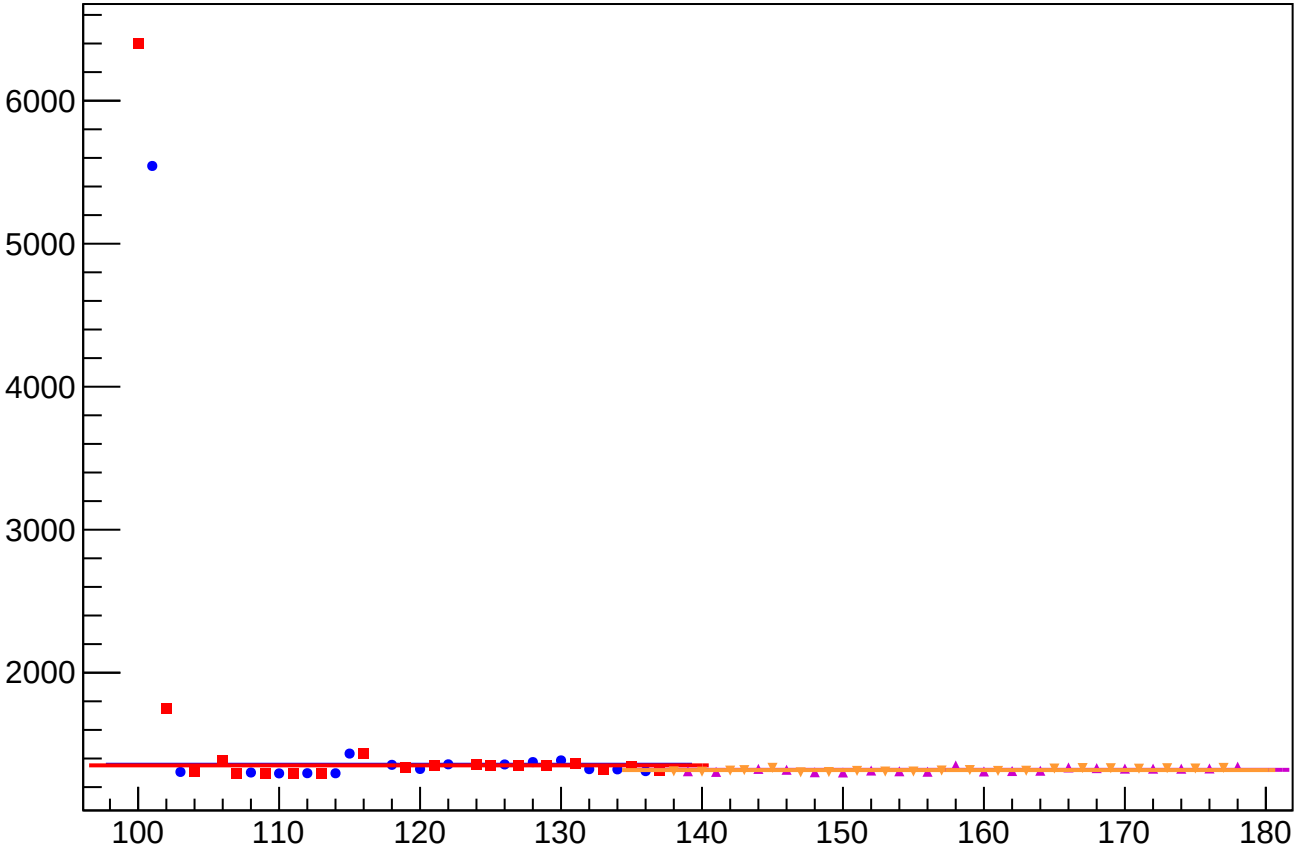
Left In: 35.587+/-326.708 χ^2/NDF:25.3/19

\+ sign -30.386+/-274.024 χ^2/NDF: 42.5/36

All: 13.705+/-193.734 χ^2/NDF: 77.8/75

\- sign 57.768+/-273.938 χ^2/NDF: 35.3/38

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1319.074+/-0.228 χ^2/NDF:2117.7/20

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

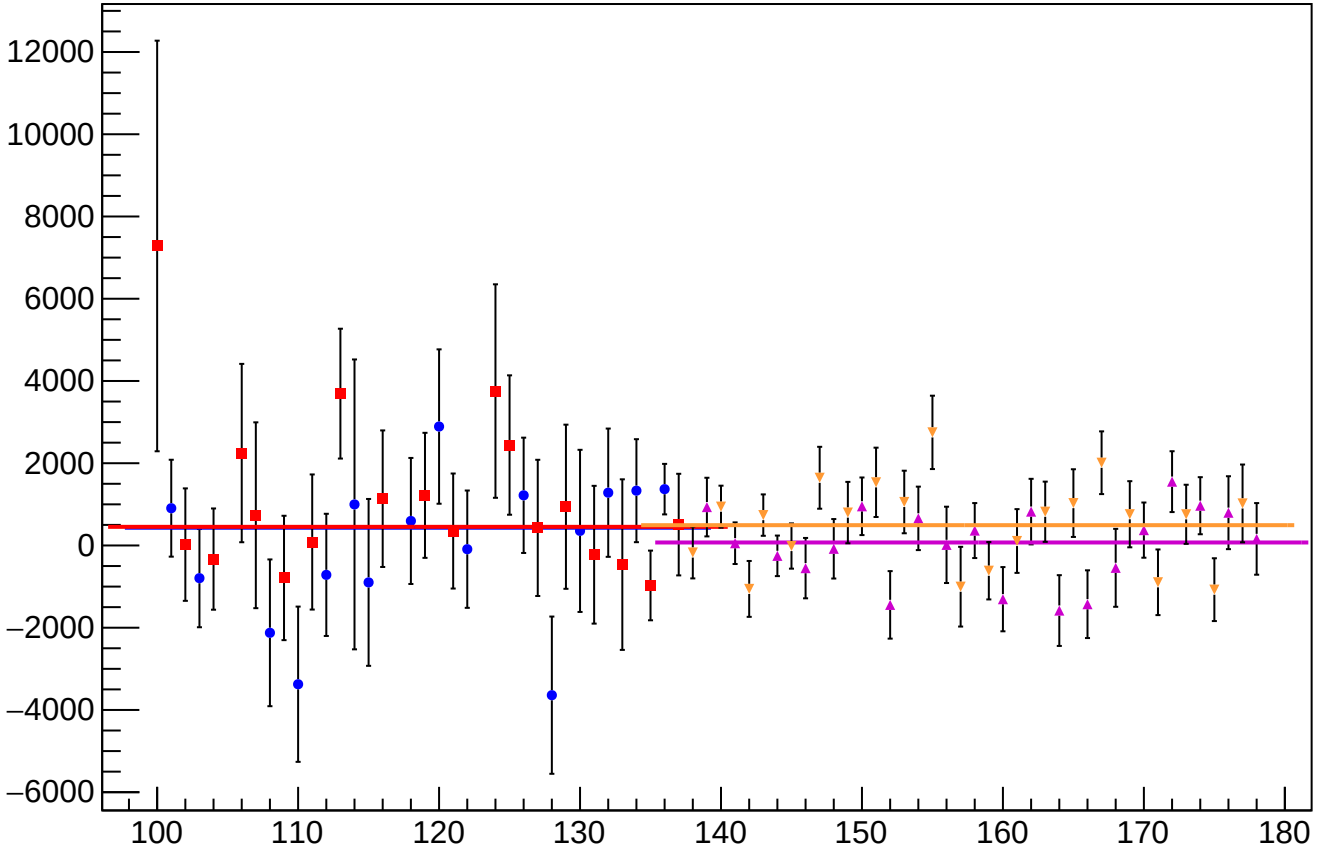
Left In: 1320.835+/-0.231 χ^2/NDF:3396.8/19

+ sign 1329.527+/-0.194 χ^2/NDF: 769864.1/36

All: 1329.821+/-0.137 χ^2/NDF: 926025.3/75

- sign 1330.114+/-0.194 χ^2/NDF: 156156.7/38

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 493.461+/-155.313 χ^2/NDF:36.7/20

Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

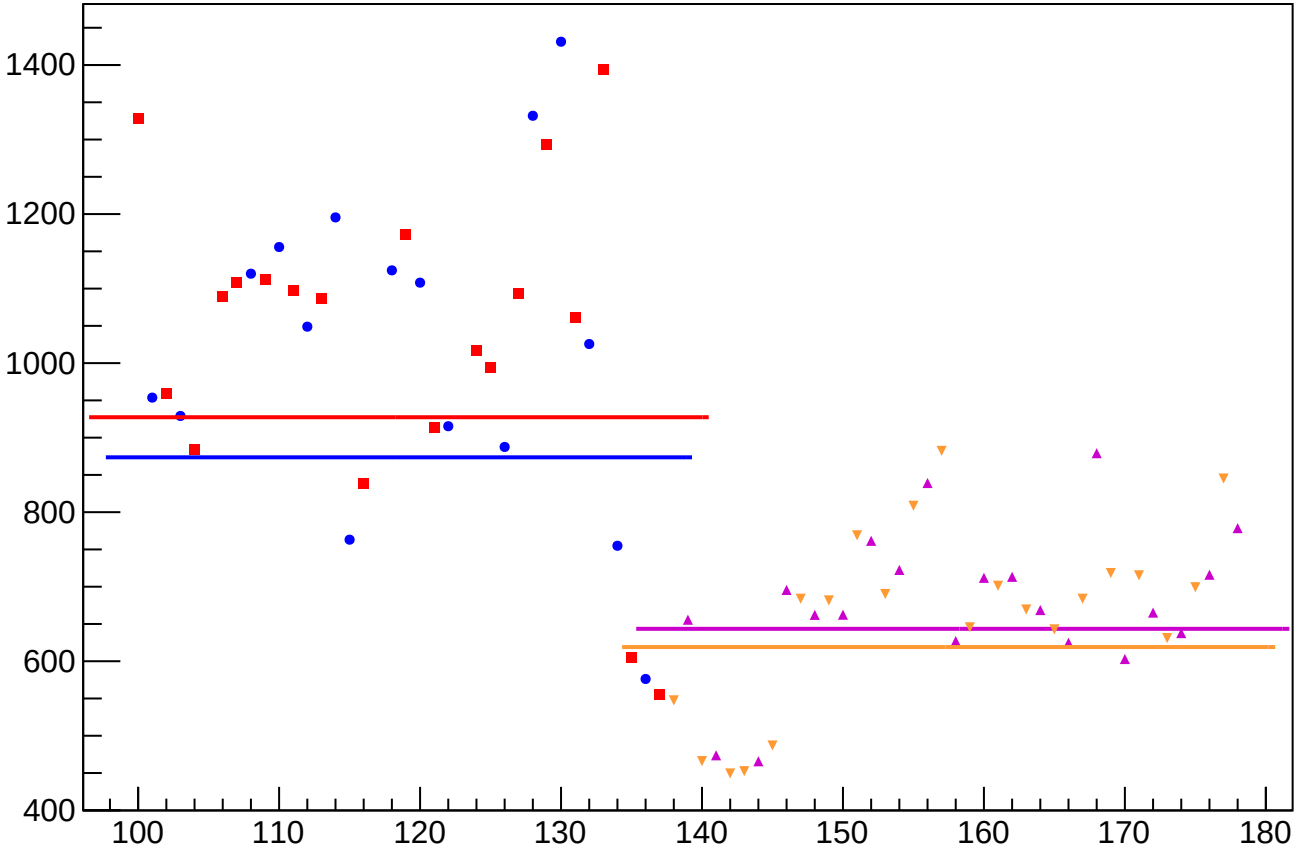
Left In: 72.609+/-161.757 χ^2/NDF:26.4/19

+ sign 482.791+/-141.156 χ^2/NDF: 55.0/36

All: 317.585+/-101.895 χ^2/NDF: 99.9/75

- sign 137.832+/-147.239 χ^2/NDF: 42.0/38

asym_usr_atr1_dd_cor_correction_rms vs Slug



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 619.023+/-0.110 χ^2/NDF:1259654.5/20

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

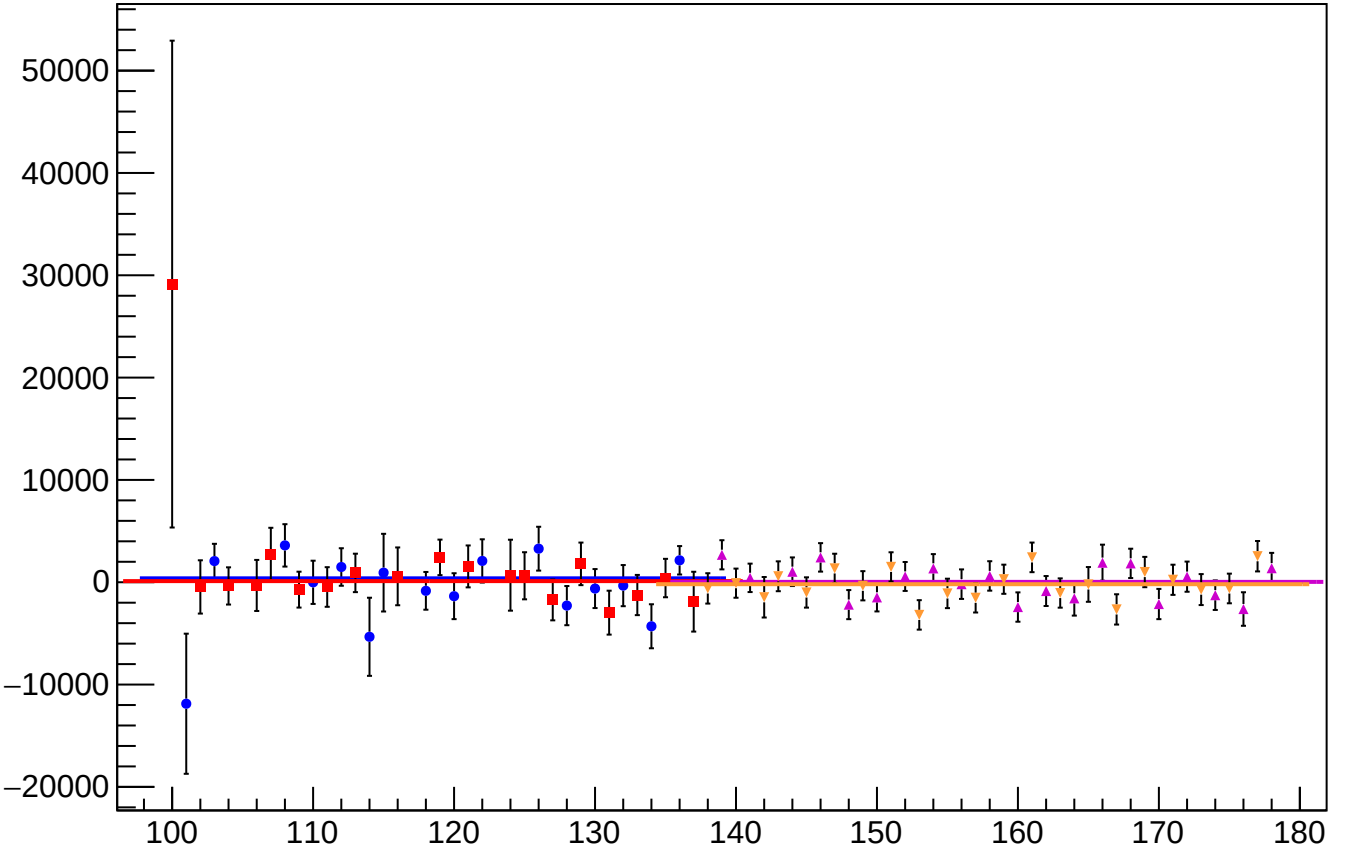
Left In: 643.471+/-0.114 χ^2/NDF:878378.7/19

+ sign 663.318+/-0.100 χ^2/NDF: 3209050.0/36

All: 677.127+/-0.072 χ^2/NDF: 6031273.9/75

- sign 692.151+/-0.104 χ^2/NDF: 2782260.9/38

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -190.704+/-322.956 χ^2/NDF:20.1/20

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

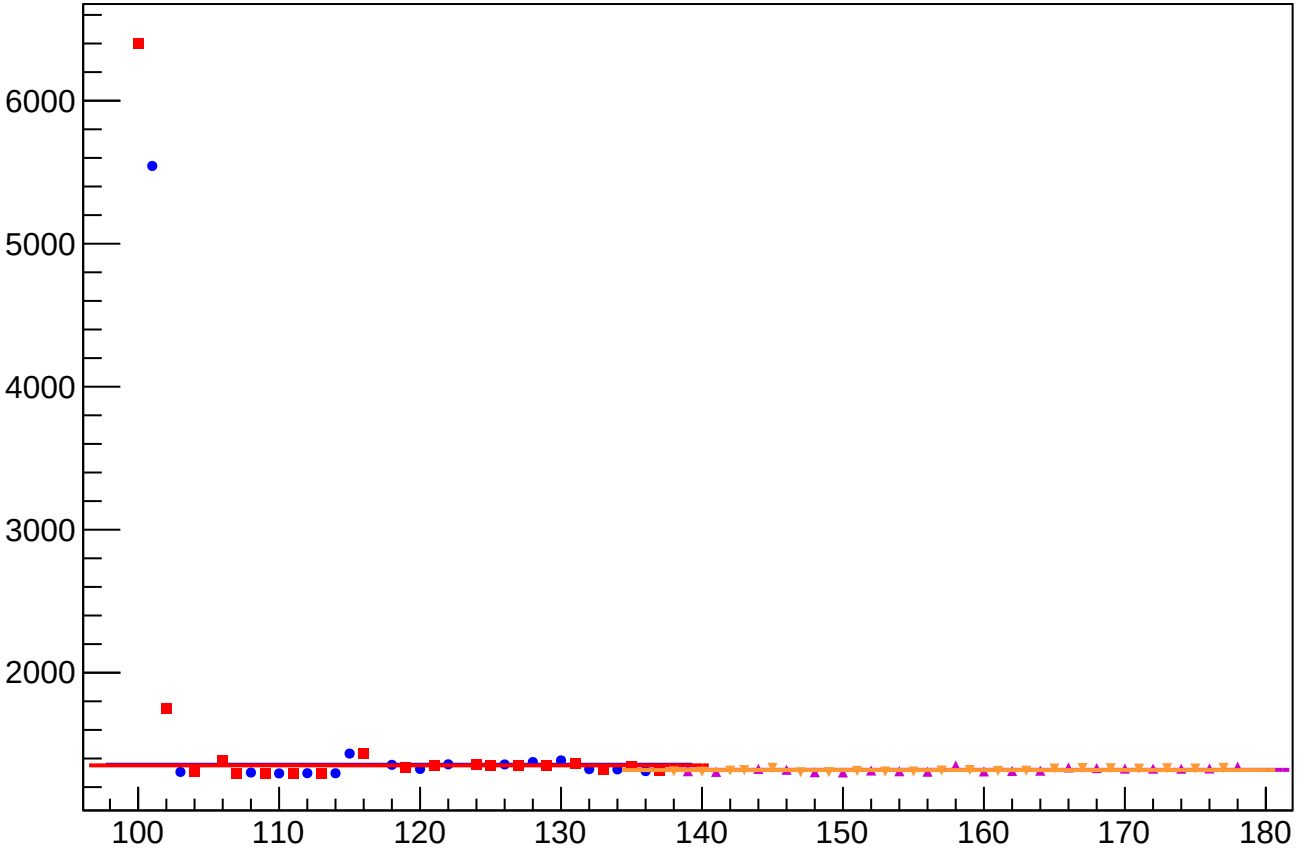
Left In: 35.587+/-326.708 χ^2/NDF:25.3/19

\+ sign -30.386+/-274.024 χ^2/NDF: 42.5/36

All: 13.705+/-193.734 χ^2/NDF: 77.8/75

\- sign 57.768+/-273.938 χ^2/NDF: 35.3/38

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1319.074+/-0.228 χ^2/NDF:2117.7/20

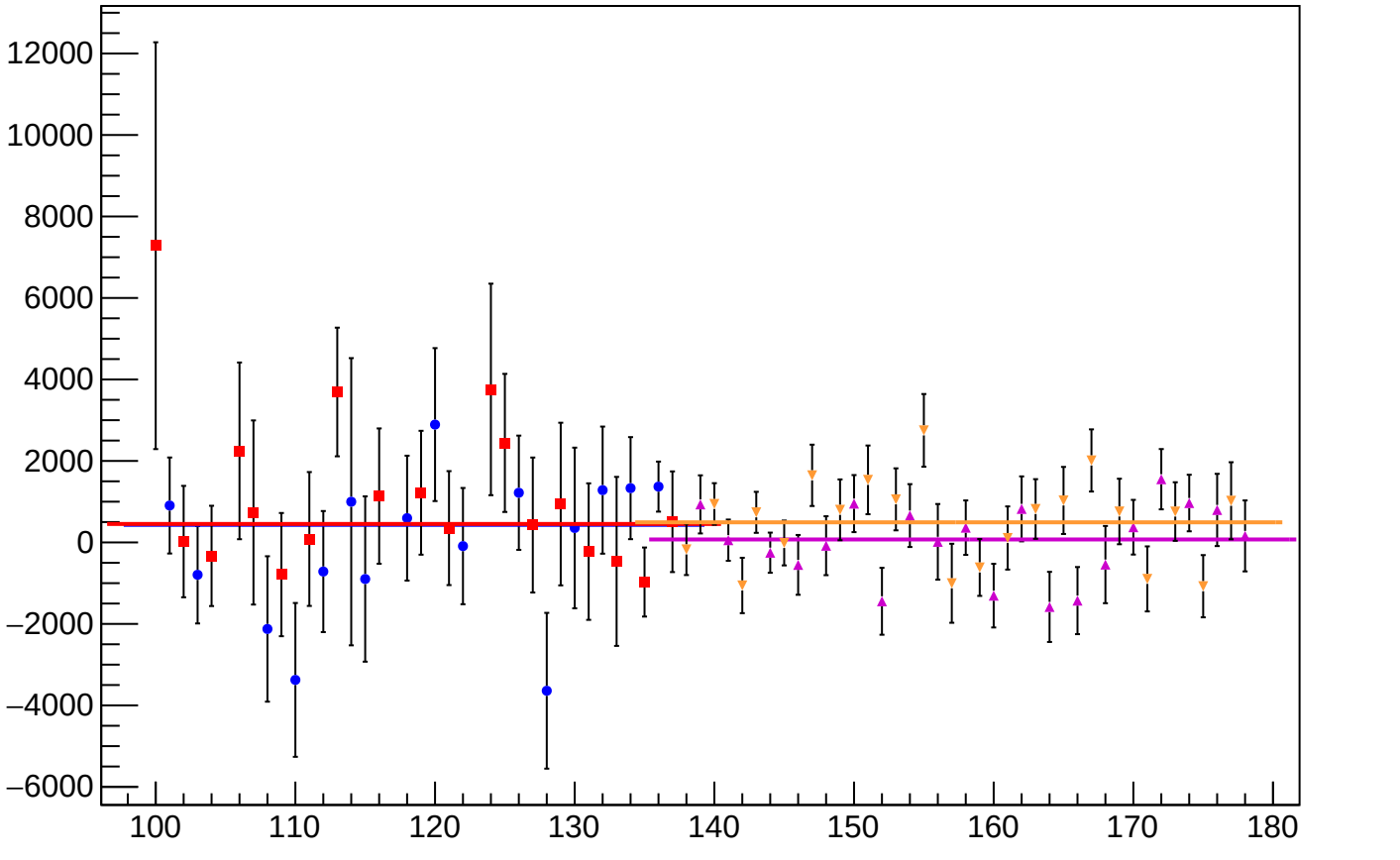
Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1320.835+/-0.231 χ^2/NDF:3396.8/19

+ sign 1329.527+/-0.194 χ^2/NDF: 769864.1/36

All: 1329.821+/-0.137 χ^2/NDF: 926025.3/75

- sign 1330.114+/-0.194 χ^2/NDF: 156156.7/38



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 493.461+/-155.313 χ^2/NDF:36.7/20

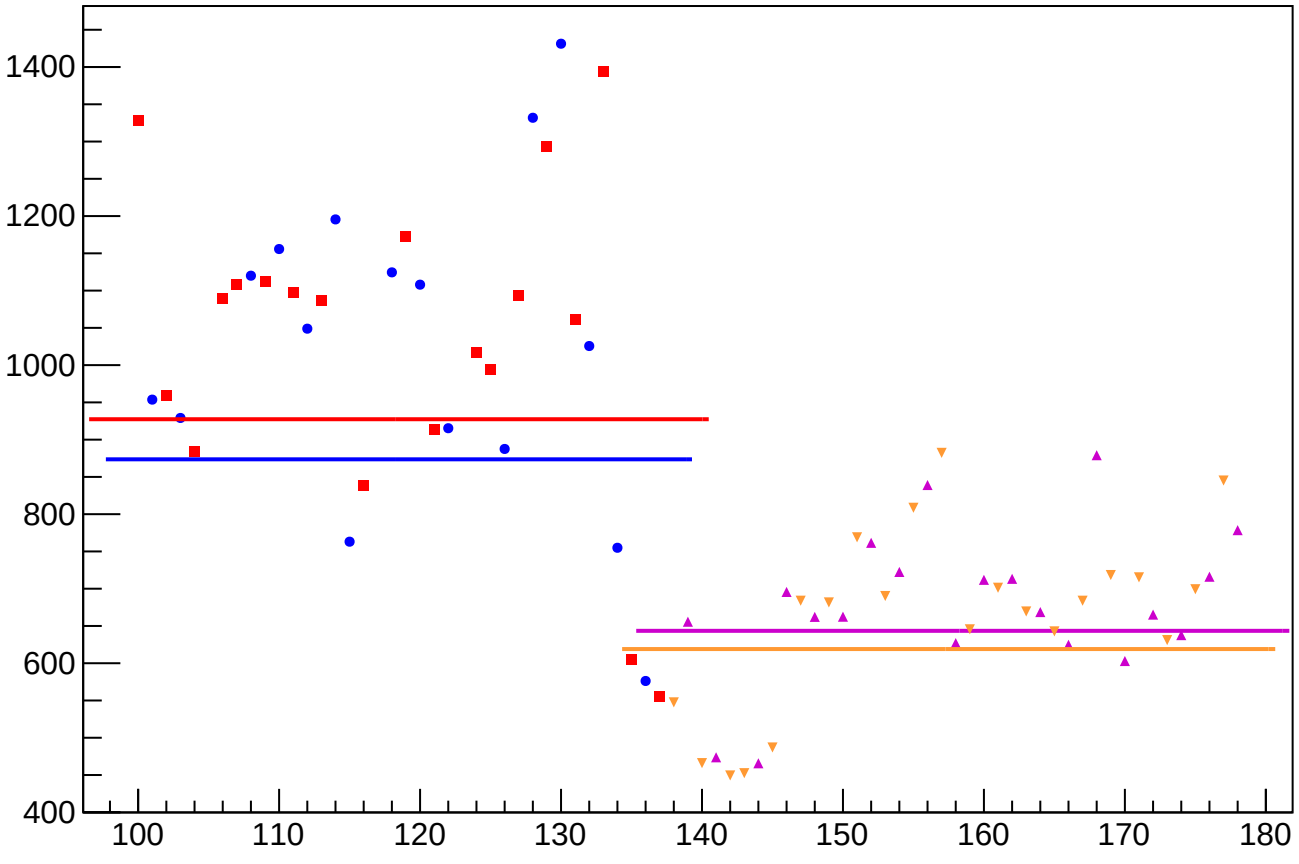
Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: 72.609+/-161.757 χ^2/NDF:26.4/19

+ sign 482.791+/-141.156 χ^2/NDF: 55.0/36

All: 317.585+/-101.895 χ^2/NDF: 99.9/75

- sign 137.832+/-147.239 χ^2/NDF: 42.0/38



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 619.023+/-0.110 χ^2/NDF:1259654.5/20

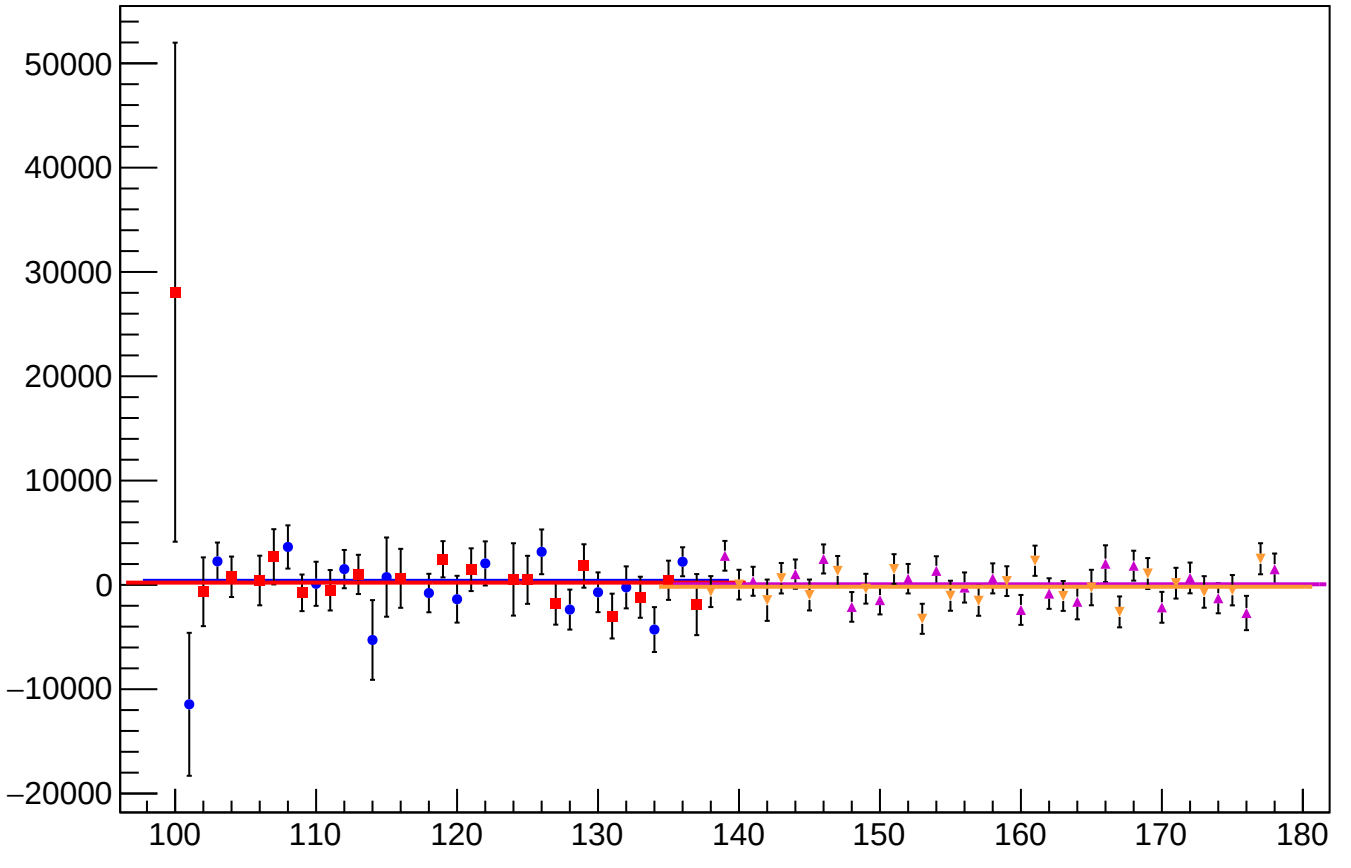
Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 643.471+/-0.114 χ^2/NDF:878378.7/19

+ sign 663.318+/-0.100 χ^2/NDF: 3209050.0/36

All: 677.127+/-0.072 χ^2/NDF: 6031273.9/75

- sign 692.151+/-0.104 χ^2/NDF: 2782260.9/38



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -178.902+/-323.254 χ^2/NDF:19.8/20

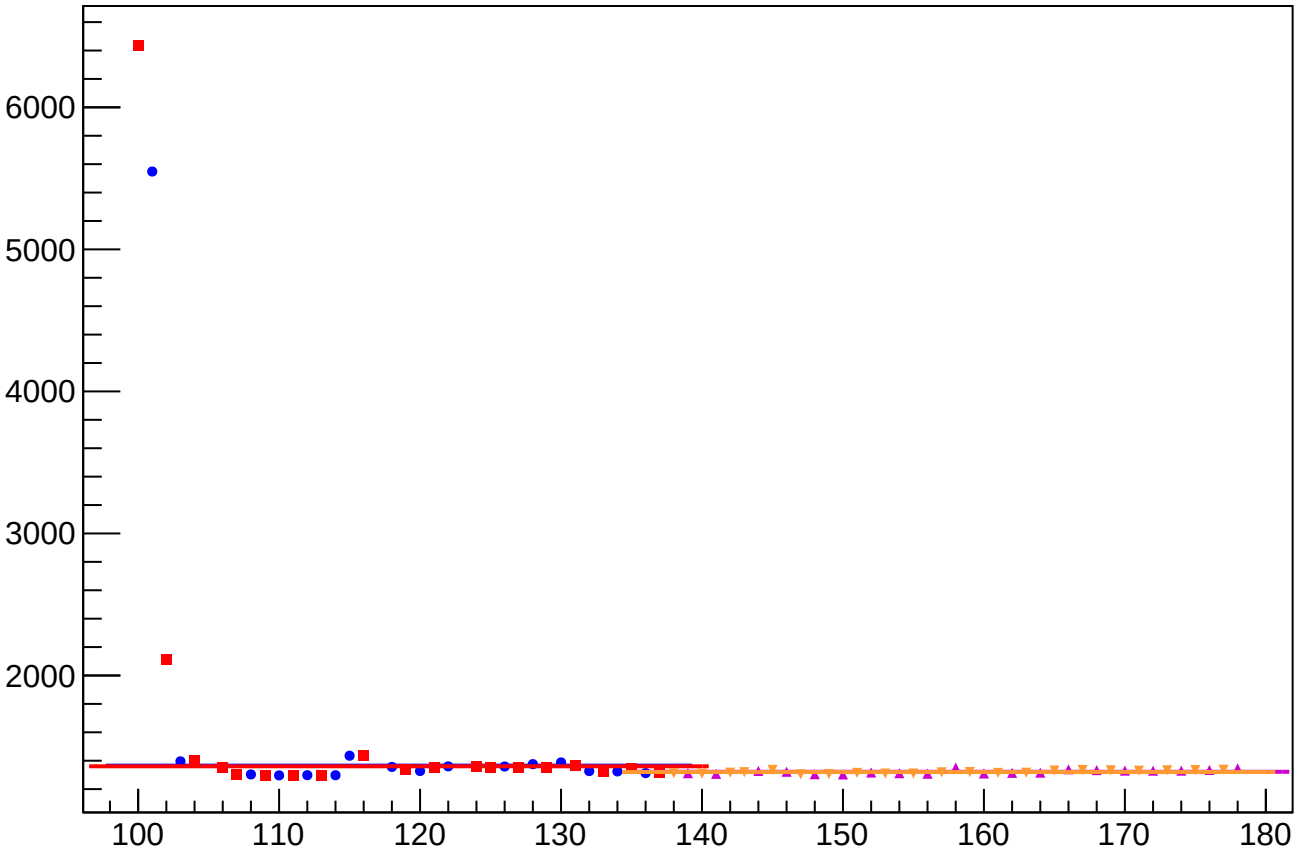
Right Out: 218.184+/-507.927 χ^2/NDF: 10.0/18

Left In: 57.690+/-327.016 χ^2/NDF:26.0/19

\+ sign -20.856+/-274.703 χ^2/NDF: 42.0/36

All: 41.875+/-194.334 χ^2/NDF: 78.2/75

\- sign 104.722+/-274.958 χ^2/NDF: 36.1/38



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1320.289+/-0.229 χ^2/NDF:2215.2/20

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

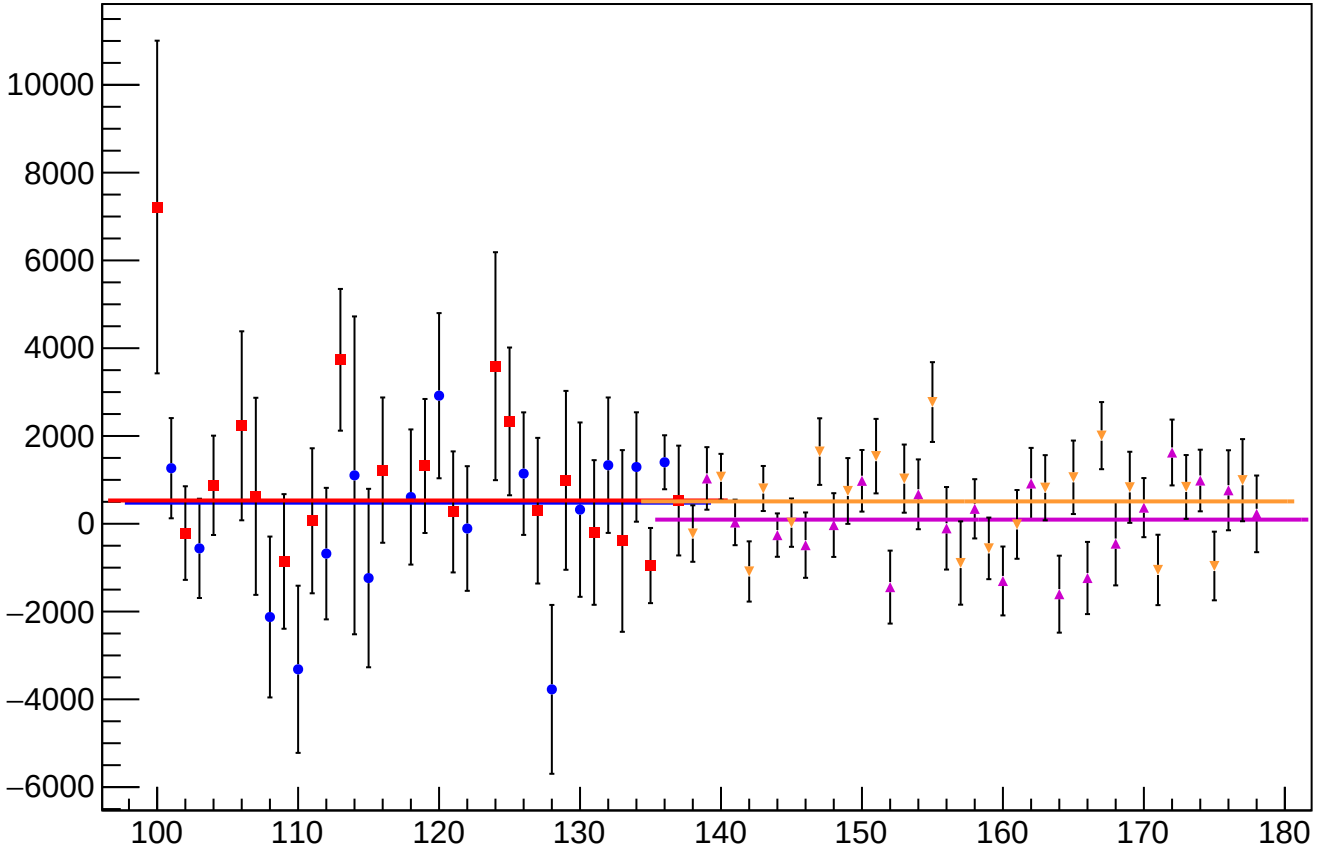
Left In: 1322.075+/-0.231 χ^2/NDF:3577.0/19

+ sign 1332.795+/-0.194 χ^2/NDF: 771934.8/36

All: 1333.104+/-0.137 χ^2/NDF: 989038.4/75

- sign 1333.414+/-0.194 χ^2/NDF: 217098.6/38

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 509.576+/-157.040 χ^2/NDF:36.8/20

Right Out: 530.532+/-346.105 χ^2/NDF: 15.6/18

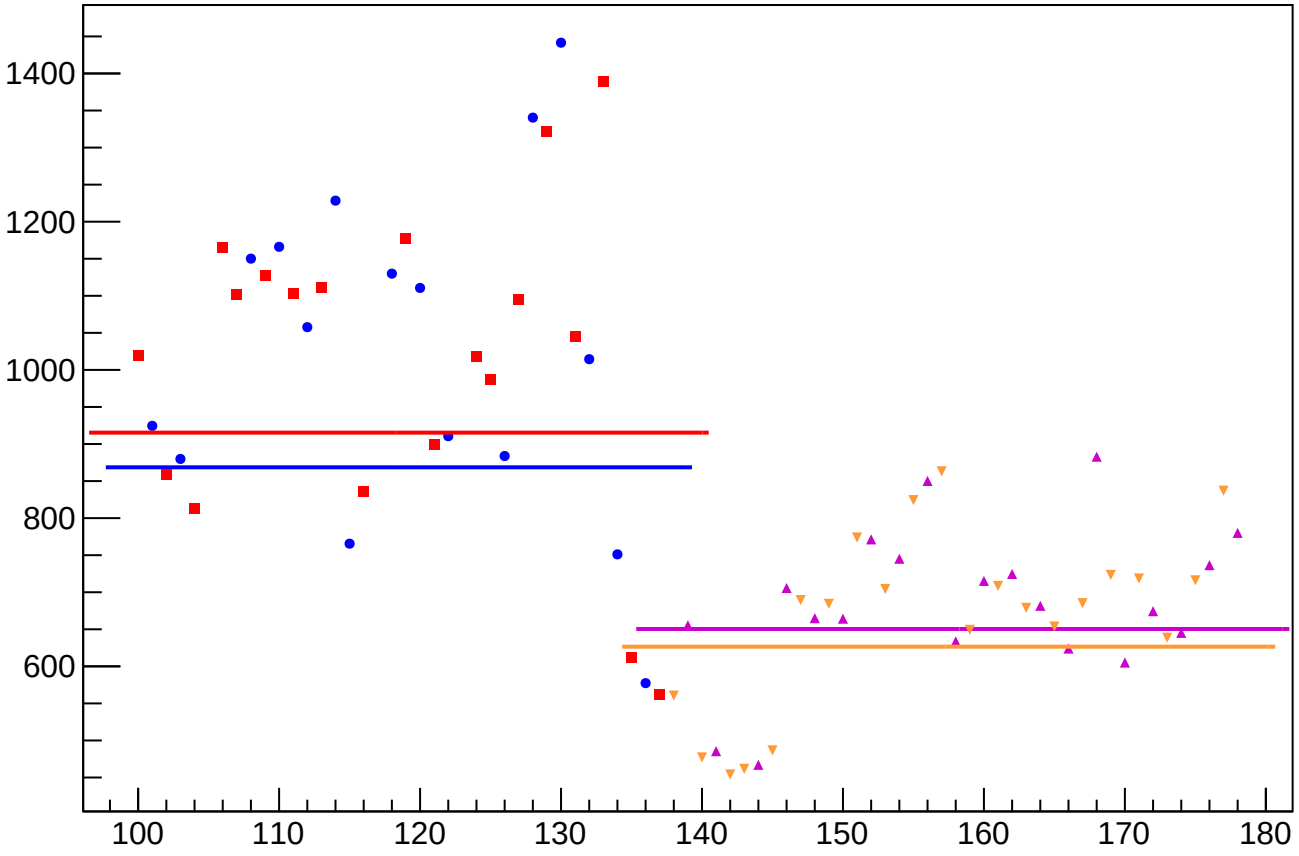
Left In: 94.323+/-163.469 χ^2/NDF:26.0/19

+ sign 504.359+/-142.307 χ^2/NDF: 55.4/36

All: 345.389+/-102.517 χ^2/NDF: 100.9/75

- sign 173.883+/-147.811 χ^2/NDF: 42.9/38

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 626.563+/-0.111 χ^2/NDF:1202349.4/20

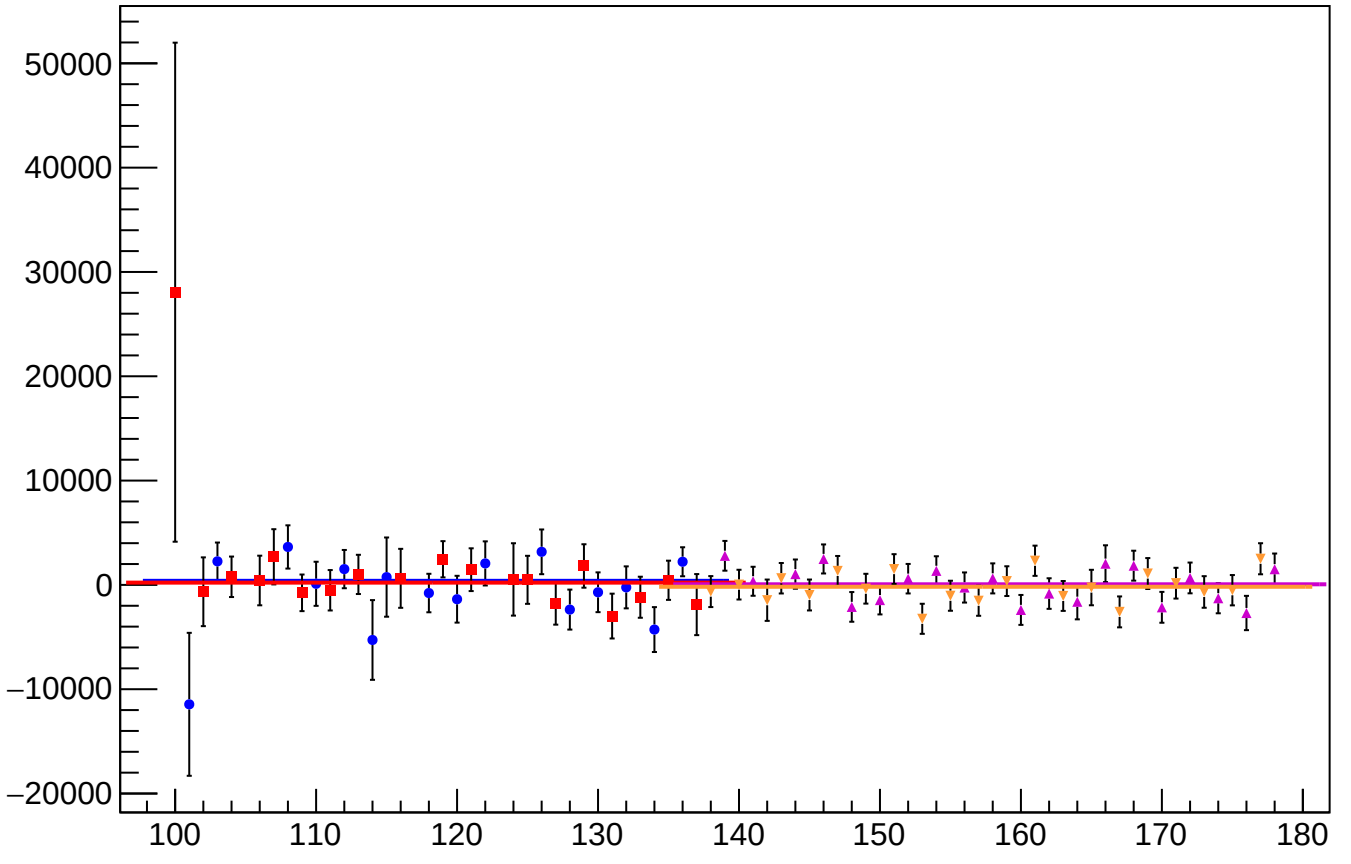
Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

Left In: 650.414+/-0.116 χ^2/NDF:879841.0/19

\+ sign 669.840+/-0.101 χ^2/NDF: 3073074.2/36

All: 683.741+/-0.072 χ^2/NDF: 5809734.1/75

\- sign 698.738+/-0.105 χ^2/NDF: 2696990.2/38



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -178.903+/-323.254 χ^2/NDF:19.8/20

Right Out: 218.182+/-507.927 χ^2/NDF: 10.0/18

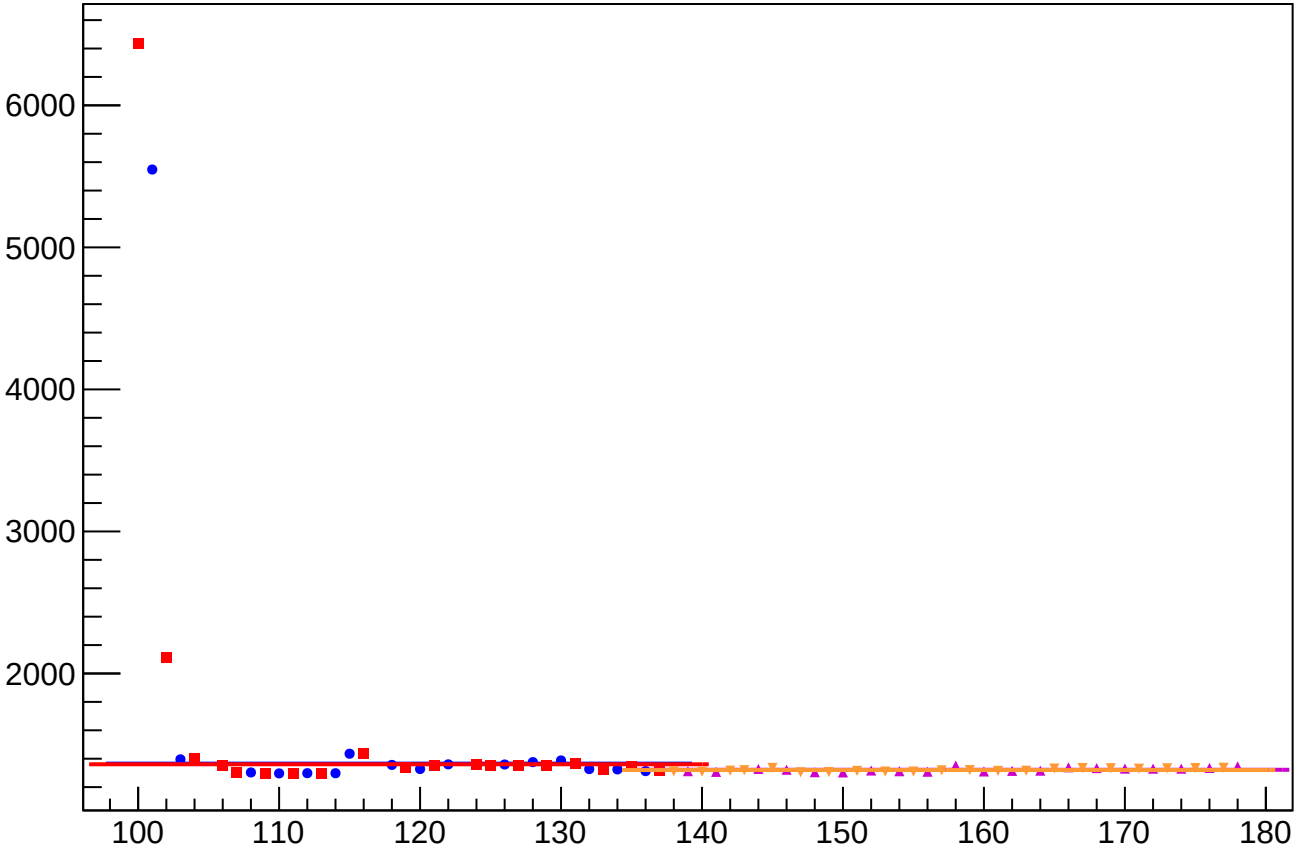
Left In: 57.690+/-327.016 χ^2/NDF:26.0/19

\+ sign -20.857+/-274.703 χ^2/NDF: 42.0/36

All: 41.874+/-194.334 χ^2/NDF: 78.2/75

\- sign 104.721+/-274.958 χ^2/NDF: 36.1/38

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1320.289+/-0.229 χ^2/NDF:2215.2/20

Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

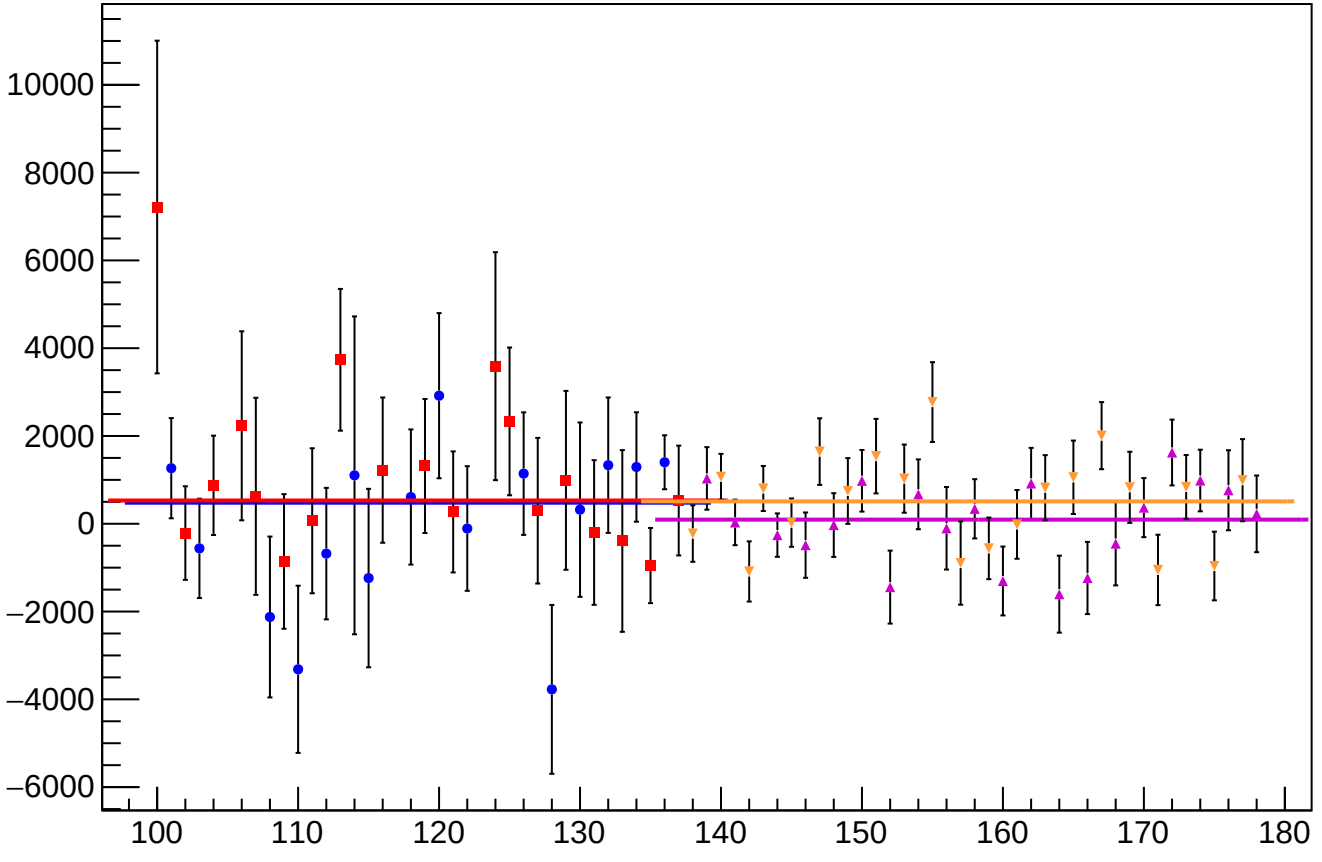
Left In: 1322.075+/-0.231 χ^2/NDF:3577.0/19

+ sign 1332.795+/-0.194 χ^2/NDF: 771934.7/36

All: 1333.104+/-0.137 χ^2/NDF: 989038.3/75

- sign 1333.414+/-0.194 χ^2/NDF: 217098.5/38

asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug



Right In: 480.400+/-336.519 χ^2/NDF: 18.6/15

Left Out: 509.576+/-157.040 χ^2/NDF:36.8/20

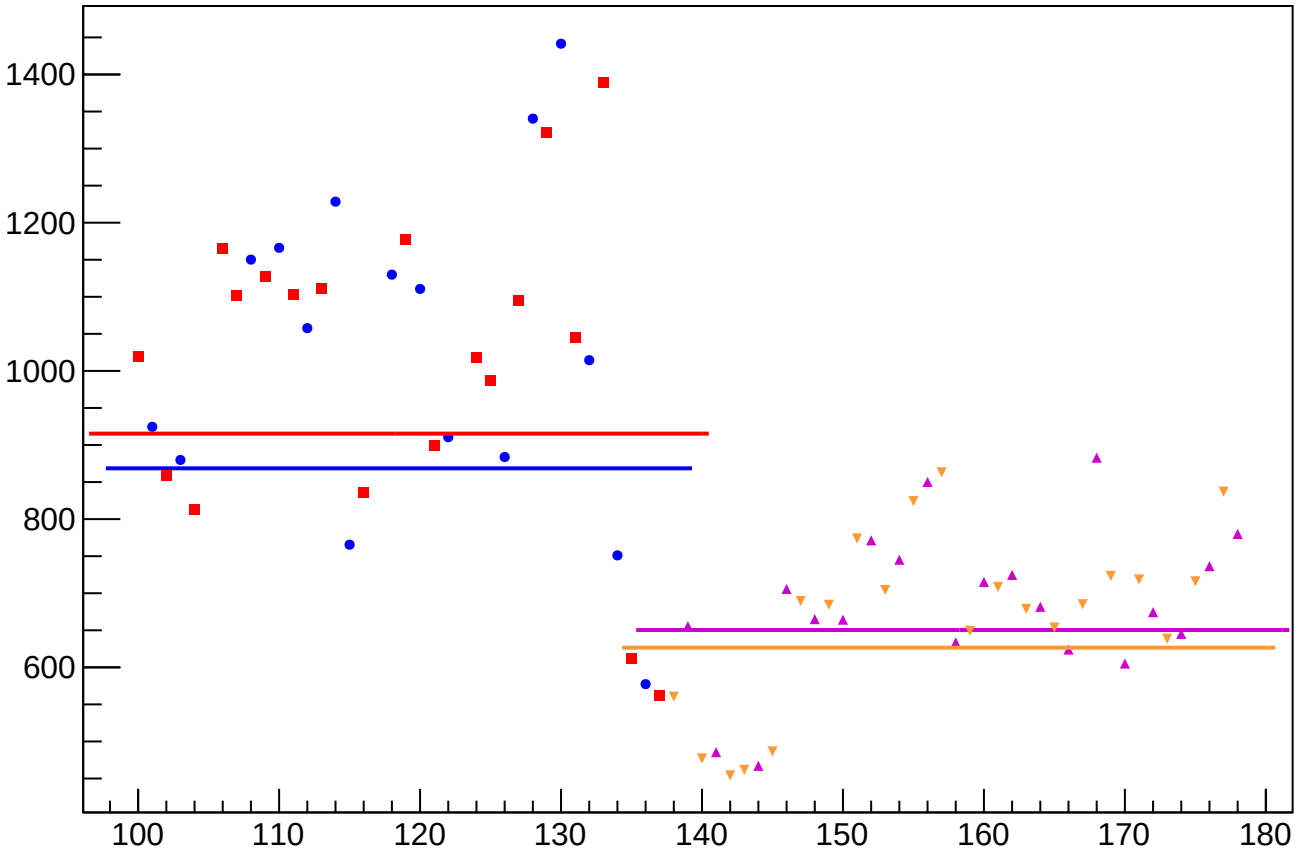
Right Out: 530.531+/-346.104 χ^2/NDF: 15.6/18

Left In: 94.322+/-163.469 χ^2/NDF:26.0/19

+ sign 504.359+/-142.307 χ^2/NDF: 55.4/36

All: 345.389+/-102.517 χ^2/NDF: 100.9/75

- sign 173.883+/-147.812 χ^2/NDF: 42.9/38



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

Left Out: 626.563+/-0.111 χ^2/NDF:1202367.6/20

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

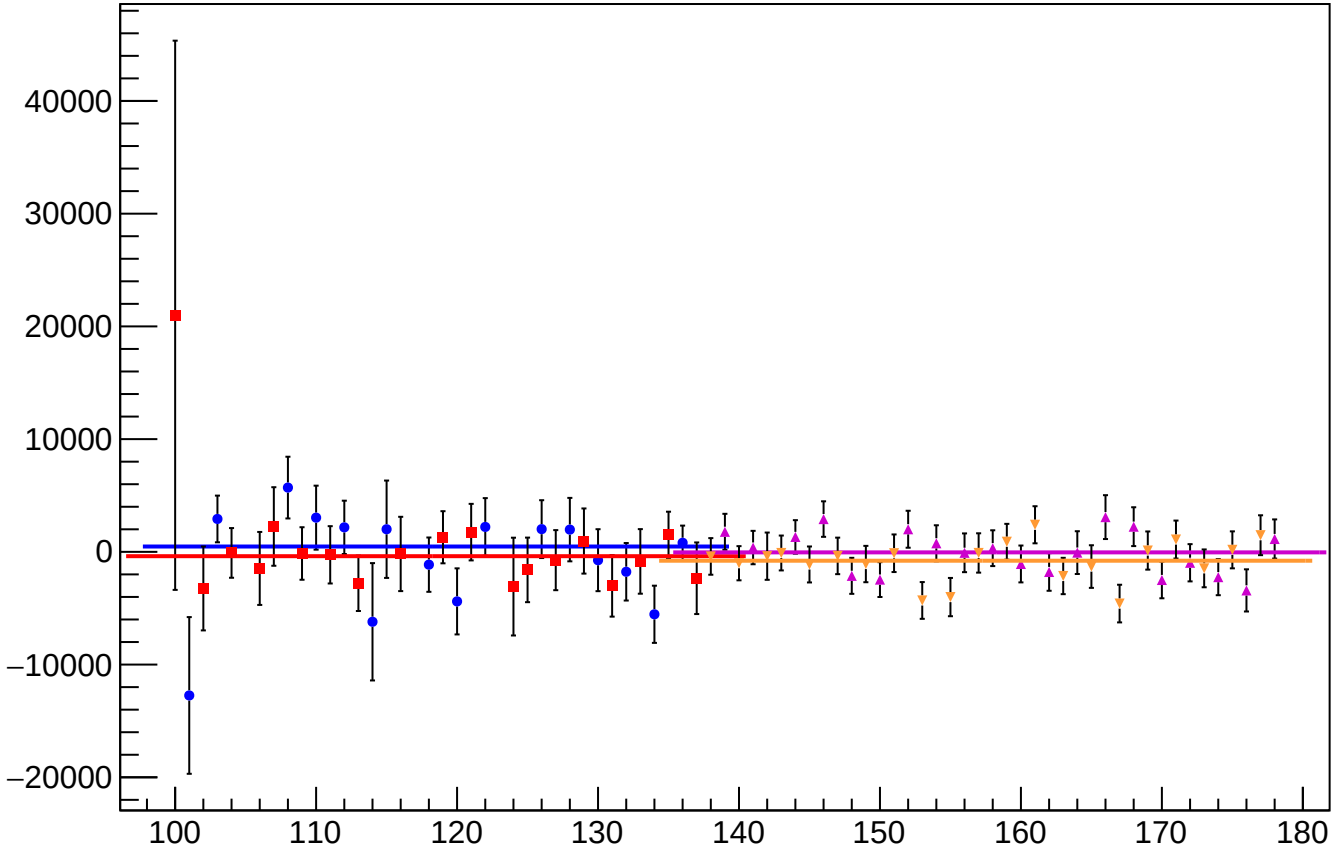
Left In: 650.415+/-0.116 χ^2/NDF:879849.2/19

+ sign 669.841+/-0.101 χ^2/NDF: 3073074.8/36

All: 683.742+/-0.072 χ^2/NDF: 5809725.4/75

- sign 698.739+/-0.105 χ^2/NDF: 2696978.8/38

asym_usr_atr1_dd_mean vs Slug



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -786.487+/-363.546 χ^2/NDF:23.6/20

Right Out: -384.785+/-641.994 χ^2/NDF: 7.3/18

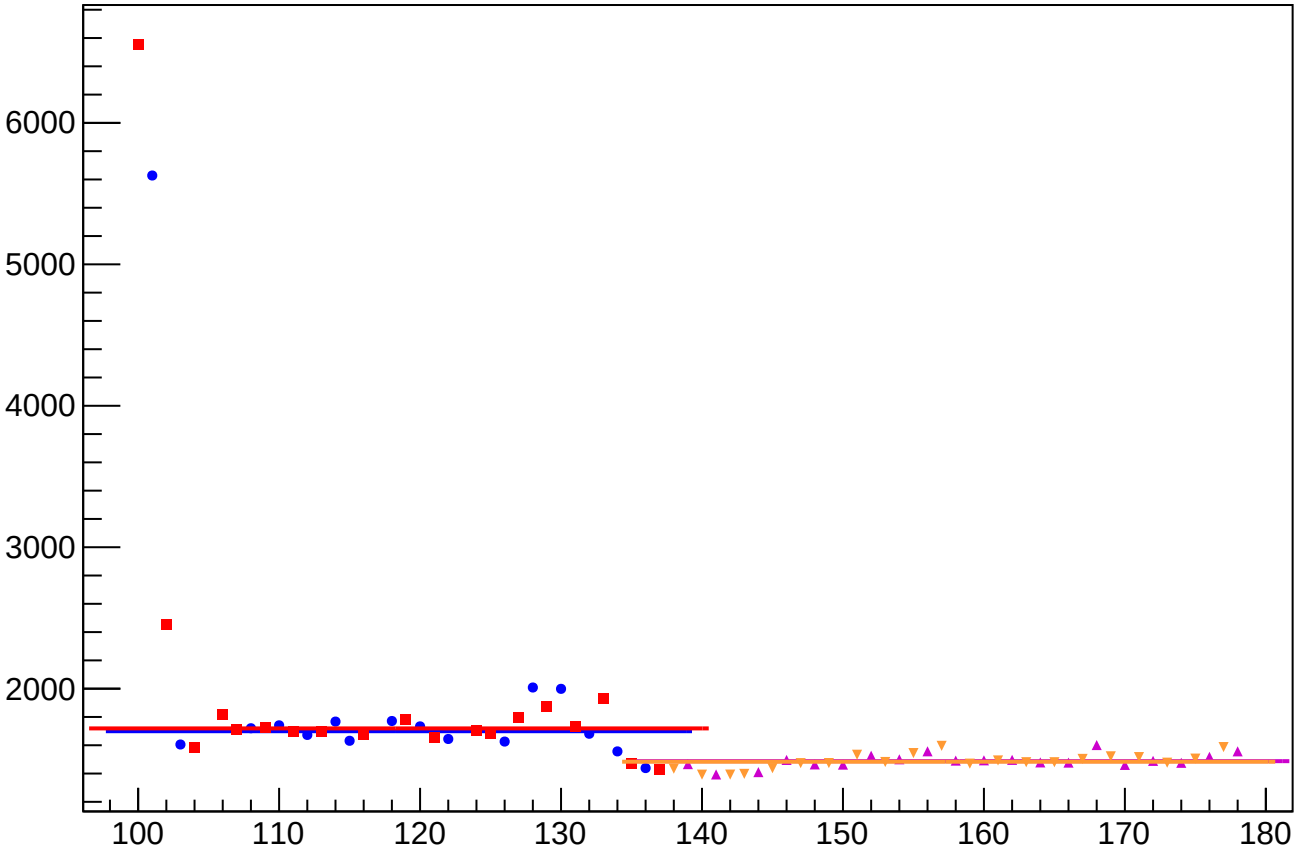
Left In: -46.116+/-368.153 χ^2/NDF:25.8/19

+ sign -485.726+/-317.202 χ^2/NDF: 49.1/36

All: -309.036+/-225.057 χ^2/NDF: 83.0/75

- sign -129.926+/-319.368 χ^2/NDF: 33.2/38

asym_usr_atr1_dd_rms vs Slug



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1483.683+/-0.257 χ^2/NDF:42942.3/20

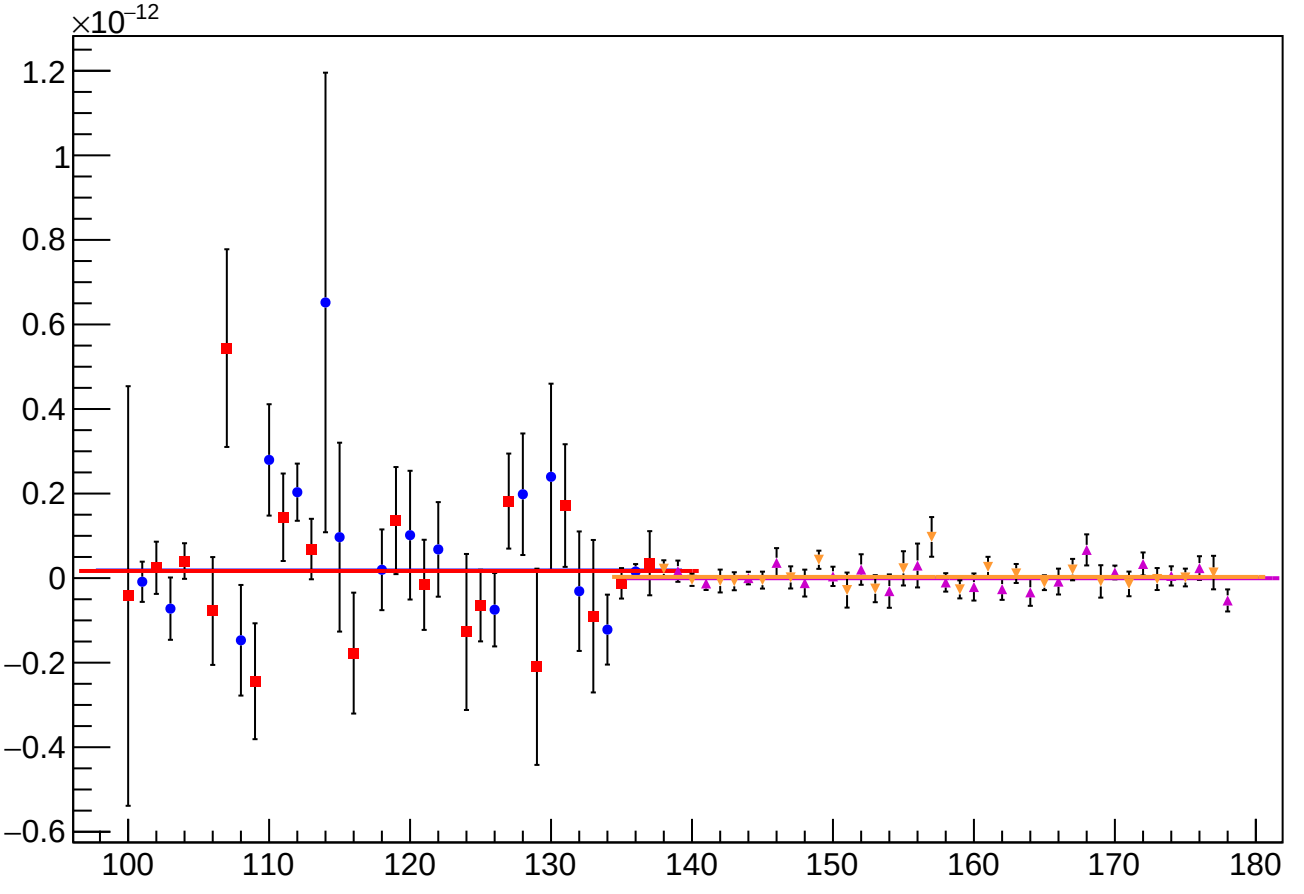
Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 1487.547+/-0.260 χ^2/NDF:32625.1/19

+ sign 1535.158+/-0.224 χ^2/NDF: 973019.7/36

All: 1539.971+/-0.159 χ^2/NDF: 1436119.7/75

- sign 1544.850+/-0.226 χ^2/NDF: 462172.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.5/20

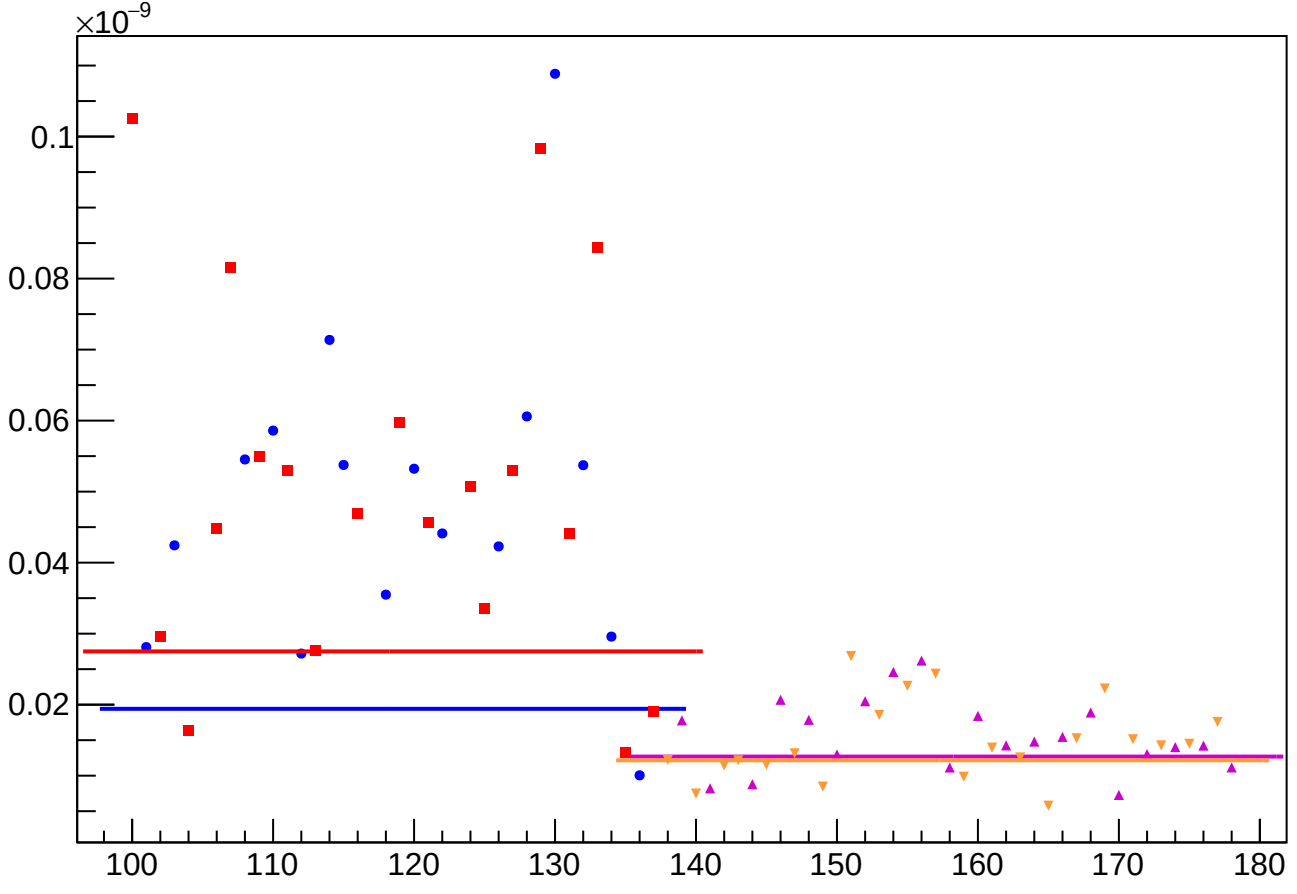
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:16.8/19

+ sign 0.000+/-0.000 χ^2/NDF: 40.0/36

All: 0.000+/-0.000 χ^2/NDF: 79.1/75

- sign 0.000+/-0.000 χ^2/NDF: 38.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1443957.8/20

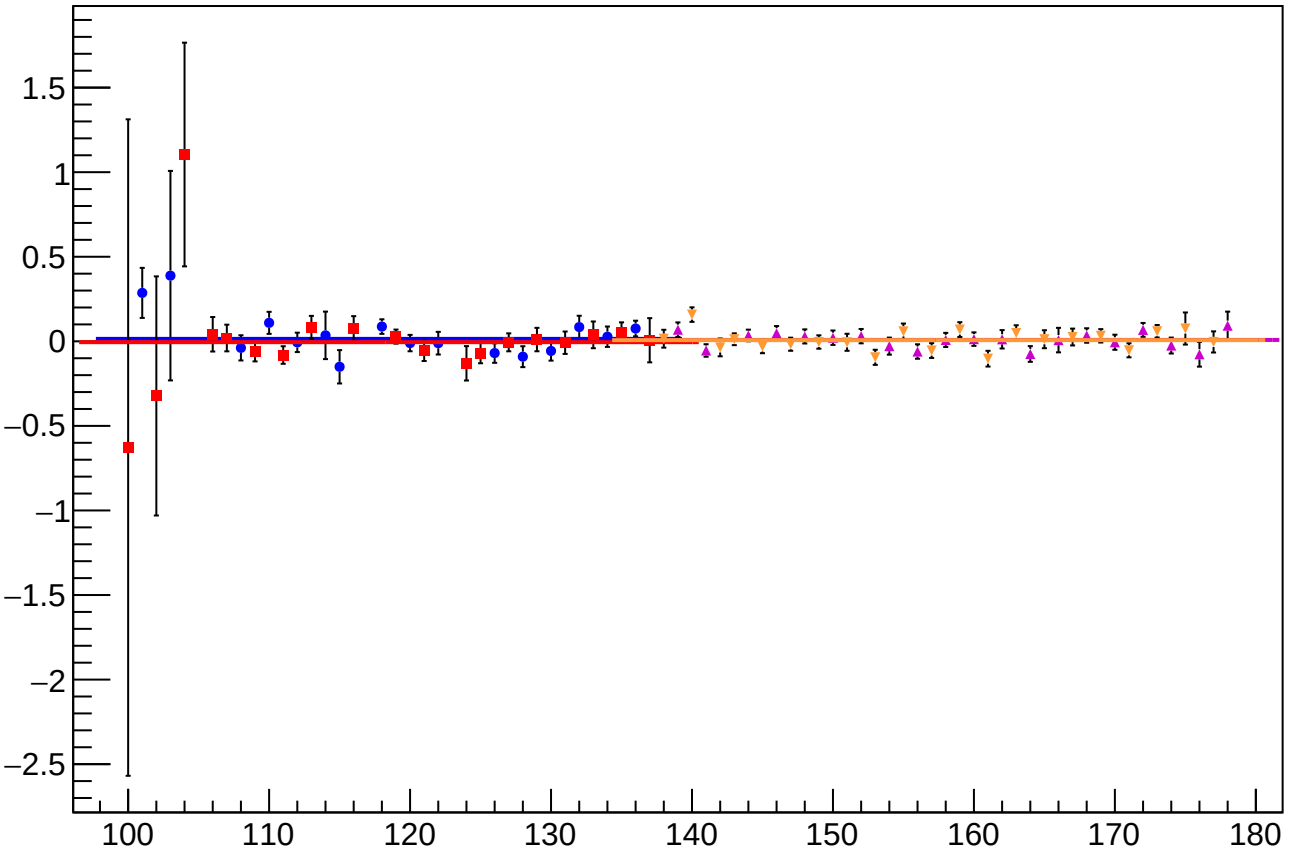
Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1357816.9/19

+ sign 0.000+/-0.000 χ^2/NDF: 4167728.2/36

All: 0.000+/-0.000 χ^2/NDF: 8311123.0/75

- sign 0.000+/-0.000 χ^2/NDF: 4118119.4/38



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.007+/-0.010 χ^2/NDF:36.5/20

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

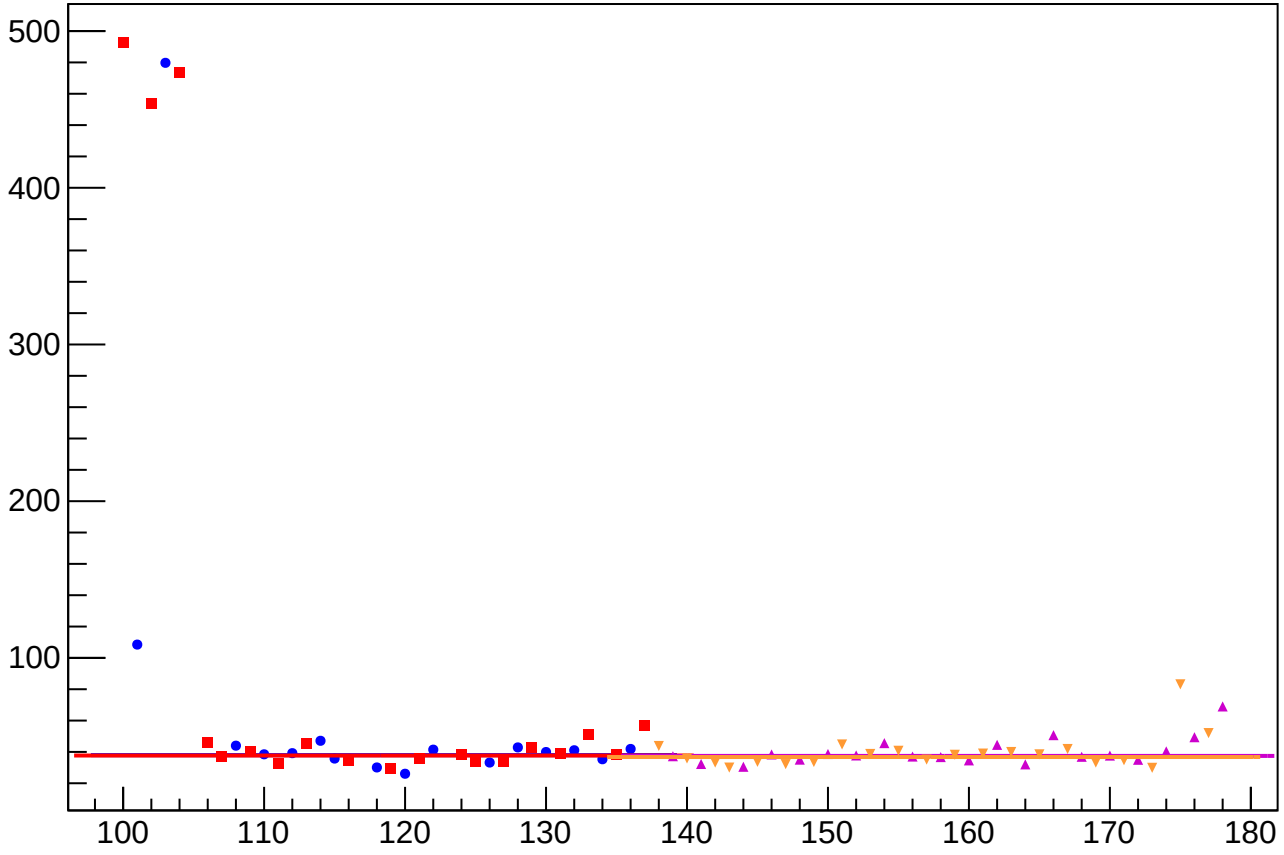
Left In: 0.008+/-0.010 χ^2/NDF:18.7/19

+ sign 0.009+/-0.008 χ^2/NDF: 58.7/36

All: 0.007+/-0.006 χ^2/NDF: 92.8/75

- sign 0.005+/-0.009 χ^2/NDF: 34.0/38

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: 36.739+/-0.007 χ^2/NDF:970218.1/20

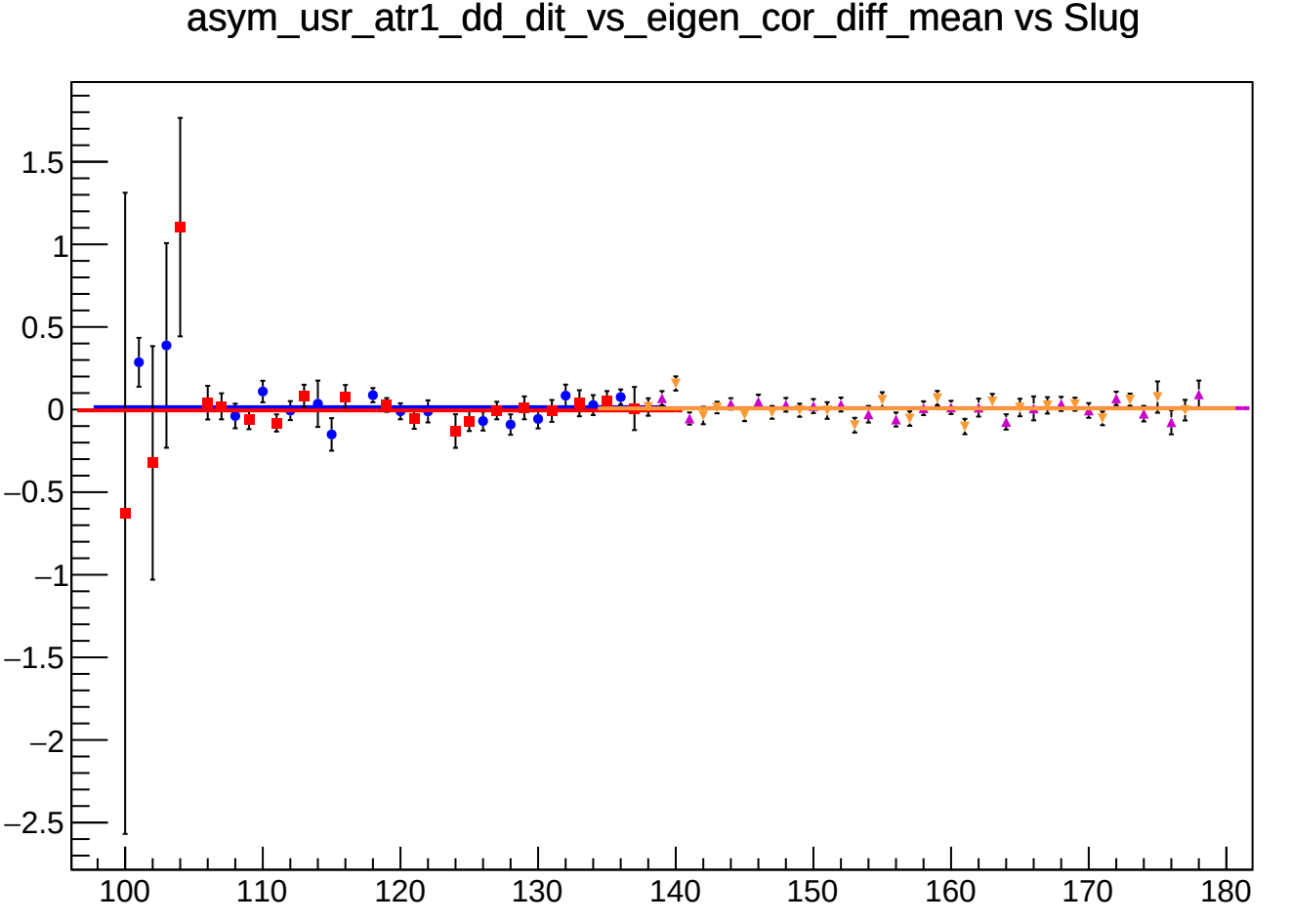
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 37.447+/-0.007 χ^2/NDF:675445.4/19

+ sign 37.069+/-0.006 χ^2/NDF: 2718162.0/36

All: 37.289+/-0.004 χ^2/NDF: 5341654.9/75

- sign 37.517+/-0.006 χ^2/NDF: 2620671.1/38



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.007+/-0.010 χ^2/NDF:36.5/20

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

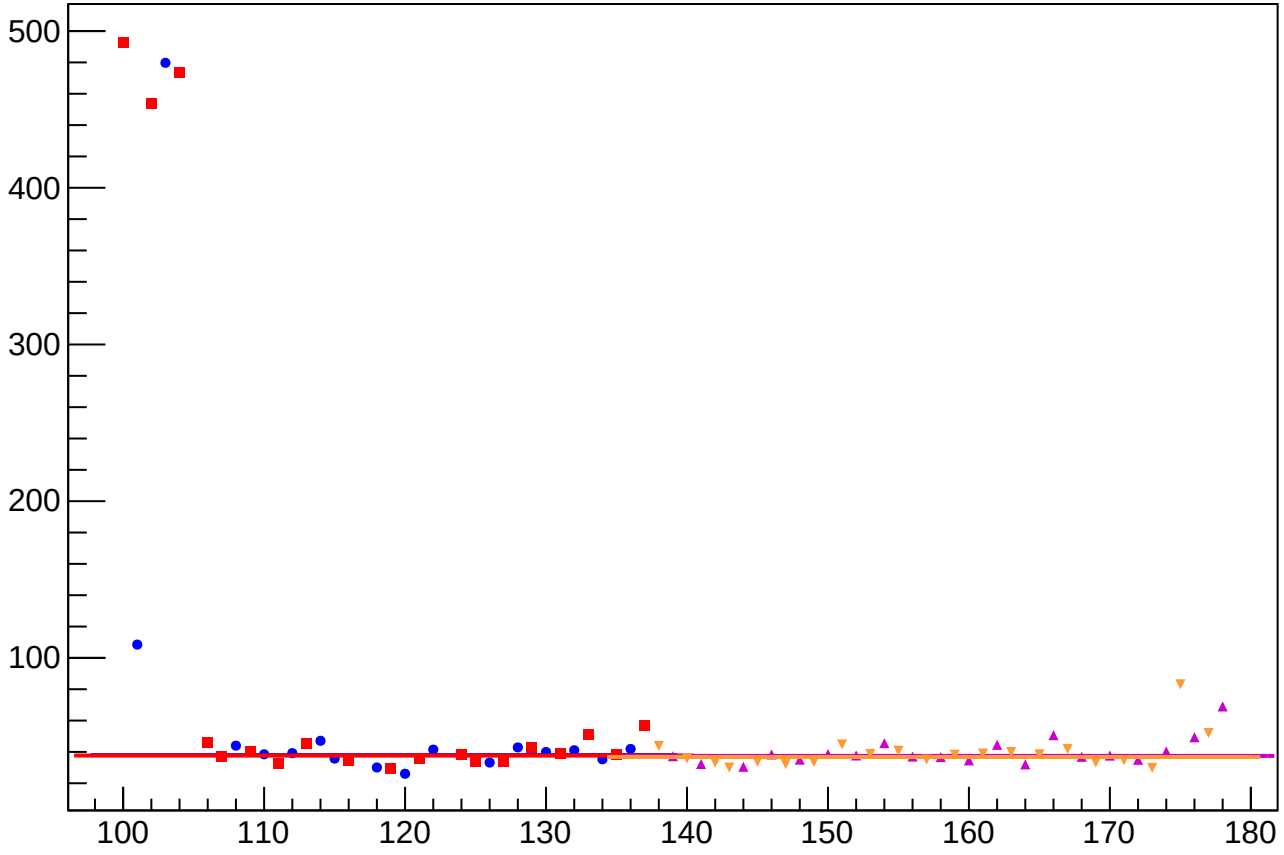
Left In: 0.008+/-0.010 χ^2/NDF:18.7/19

+ sign 0.009+/-0.008 χ^2/NDF: 58.7/36

All: 0.007+/-0.006 χ^2/NDF: 92.8/75

- sign 0.005+/-0.009 χ^2/NDF: 34.0/38

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: 36.739+/-0.007 χ^2/NDF:970218.1/20

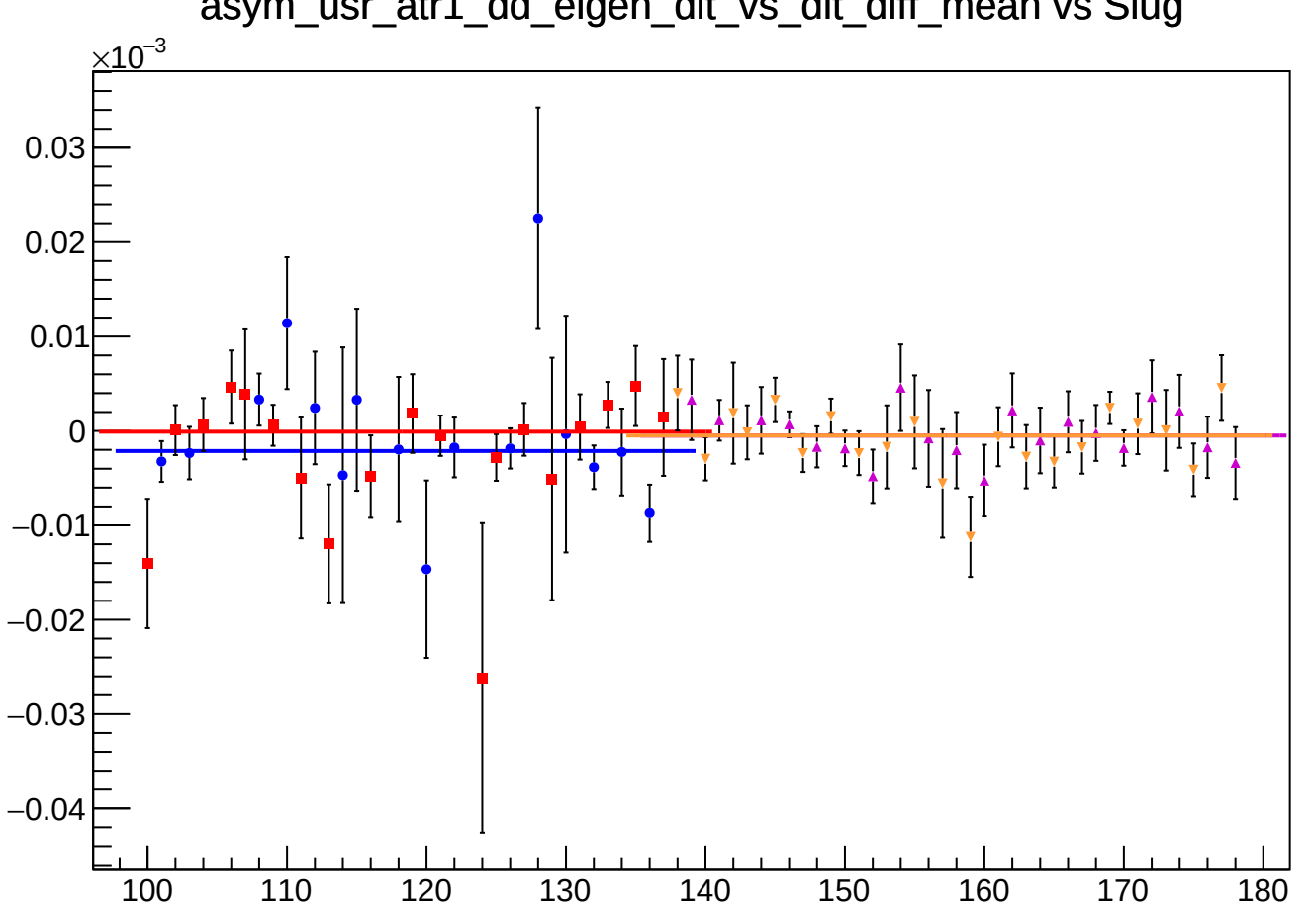
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 37.447+/-0.007 χ^2/NDF:675445.4/19

+ sign 37.069+/-0.006 χ^2/NDF: 2718162.0/36

All: 37.289+/-0.004 χ^2/NDF: 5341654.9/75

- sign 37.517+/-0.006 χ^2/NDF: 2620671.1/38



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.9/20

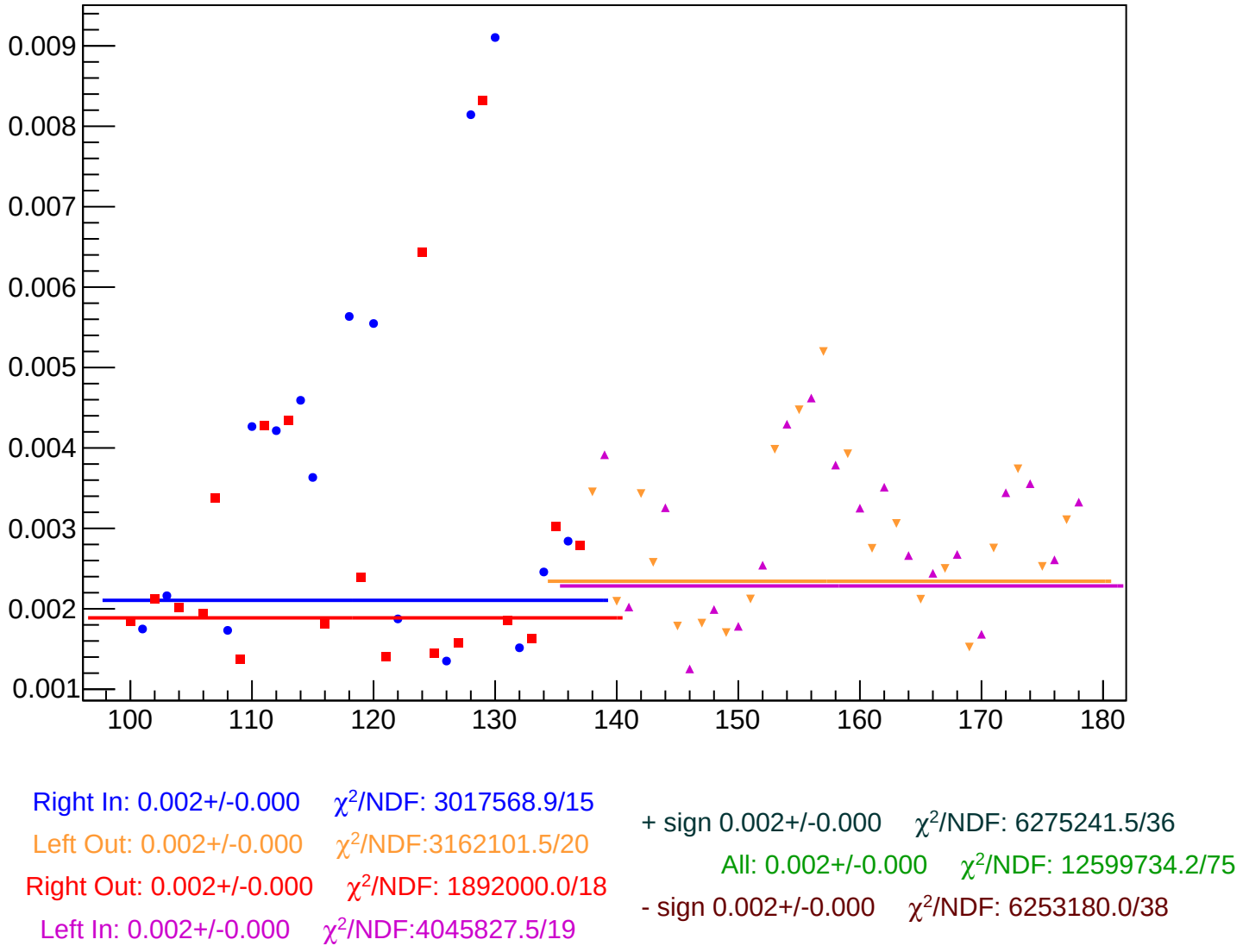
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:11.9/19

+ sign -0.000+/-0.000 χ^2/NDF: 46.6/36

All: -0.000+/-0.000 χ^2/NDF: 77.9/75

- sign -0.000+/-0.000 χ^2/NDF: 30.4/38


asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.009
0.008
0.007
0.006
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0.003
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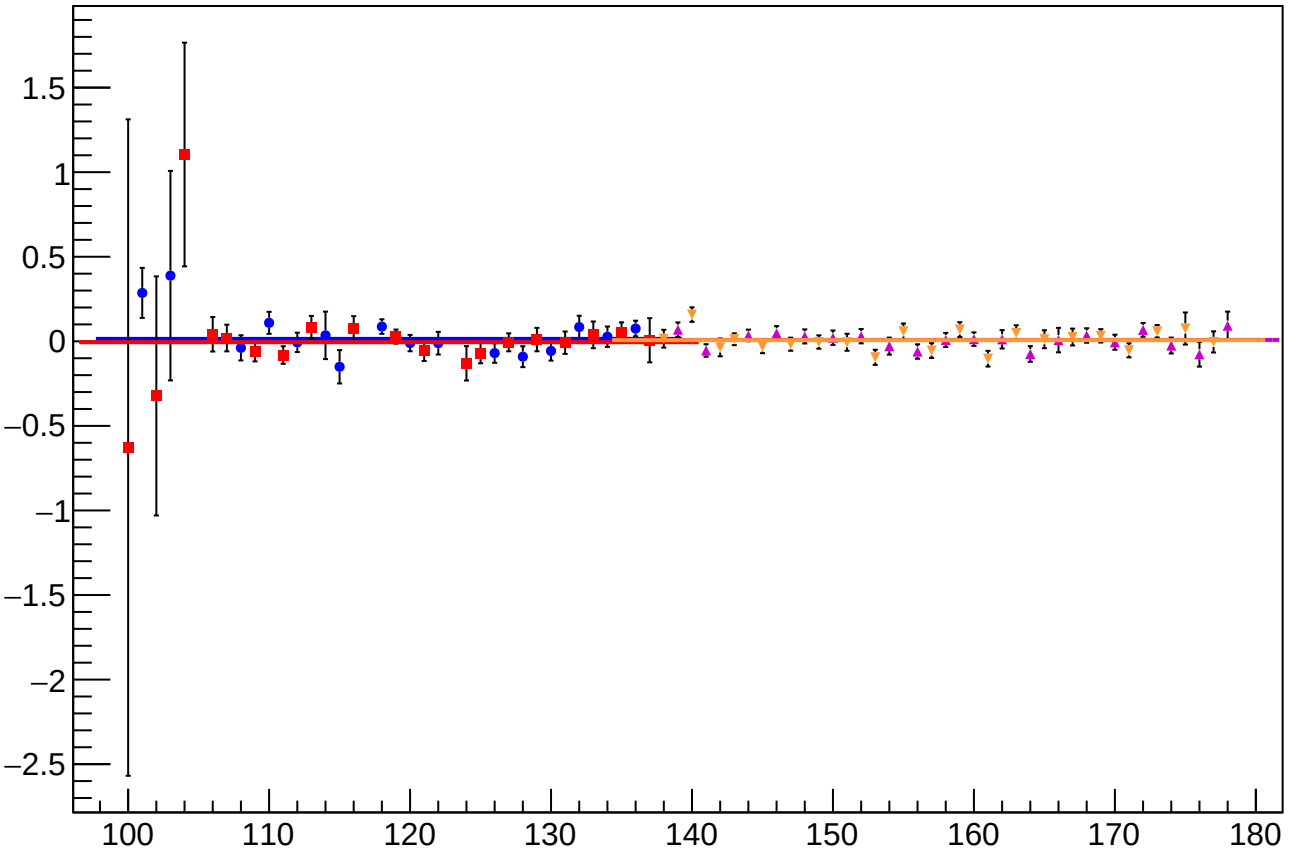
0.001
100
110
120
130
140
150
160
170
180
Right In: 0.002+/-0.000 χ²/NDF: 3017568.9/15
Left Out: 0.002+/-0.000 χ²/NDF:3162101.5/20
Right Out: 0.002+/-0.000 χ²/NDF: 1892000.0/18
Left In: 0.002+/-0.000 χ²/NDF:4045827.5/19
+ sign 0.002+/-0.000 χ²/NDF: 6275241.5/36
All: 0.002+/-0.000 χ²/NDF: 12599734.2/75
- sign 0.002+/-0.000 χ²/NDF: 6253180.0/38



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.007+/-0.010 χ^2/NDF:36.5/20

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

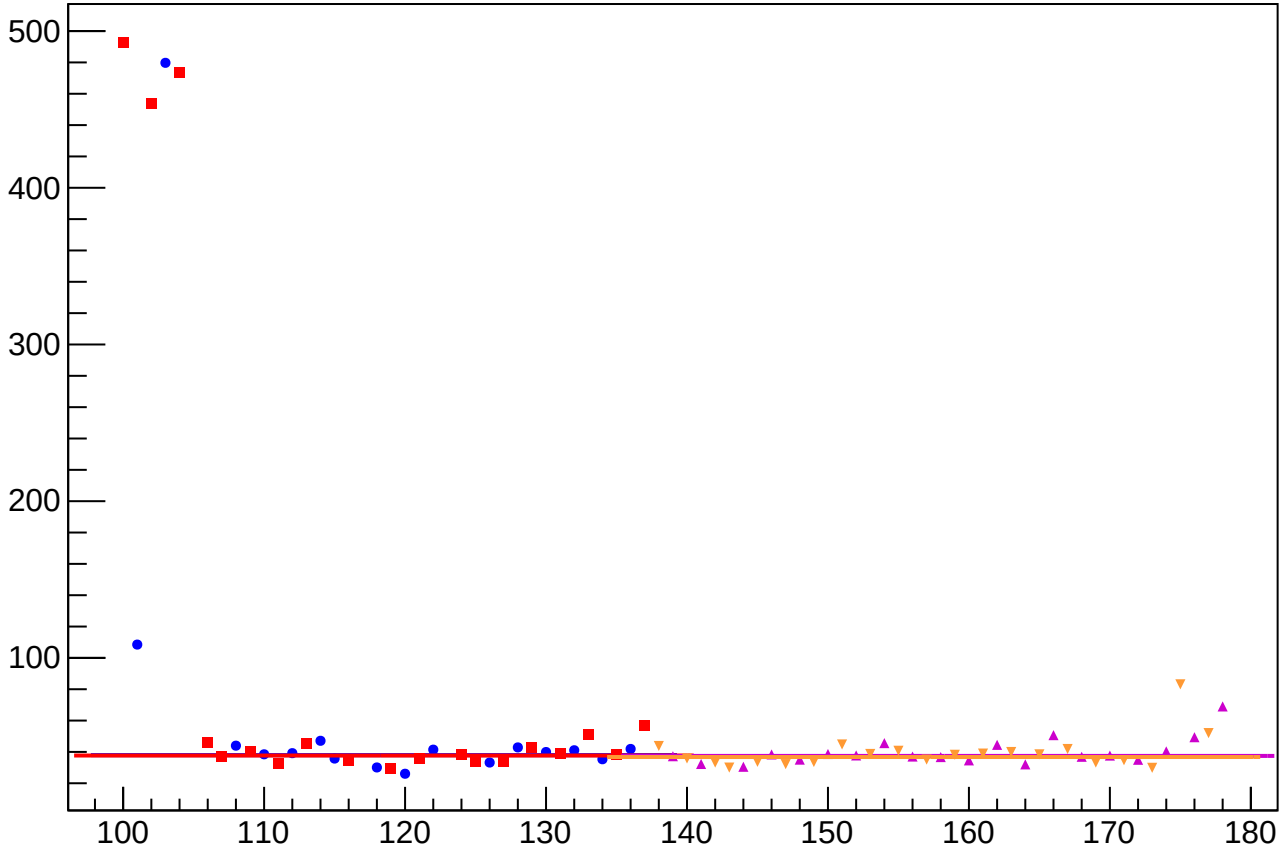
Left In: 0.008+/-0.010 χ^2/NDF:18.7/19

+ sign 0.009+/-0.008 χ^2/NDF: 58.6/36

All: 0.007+/-0.006 χ^2/NDF: 92.8/75

- sign 0.005+/-0.009 χ^2/NDF: 34.0/38

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: 36.739+/-0.007 χ^2/NDF:970235.2/20

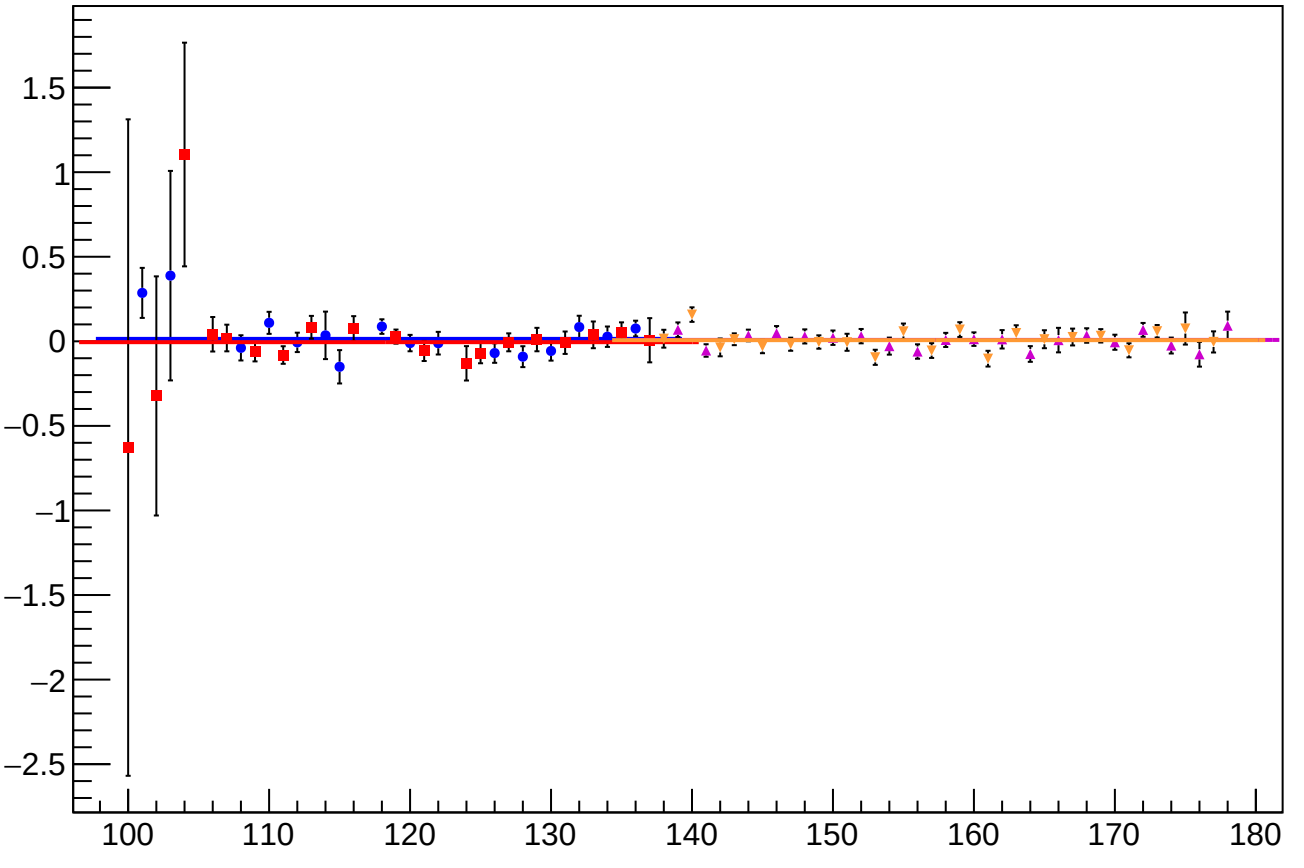
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 37.447+/-0.007 χ^2/NDF:675475.0/19

\+ sign 37.069+/-0.006 χ^2/NDF: 2718185.5/36

All: 37.288+/-0.004 χ^2/NDF: 5341778.7/75

\- sign 37.517+/-0.006 χ^2/NDF: 2620775.6/38



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.007+/-0.010 χ^2/NDF:36.5/20

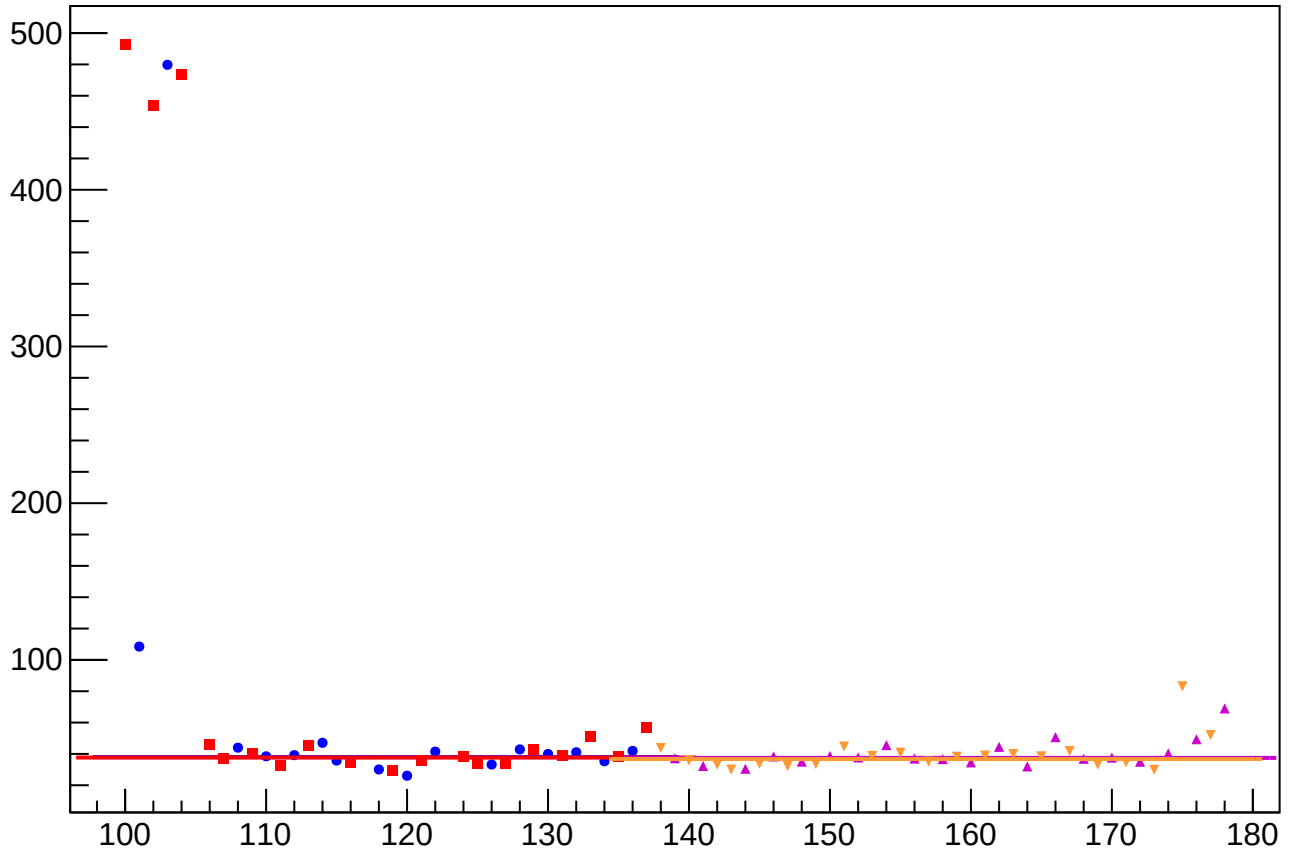
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.008+/-0.010 χ^2/NDF:18.7/19

+ sign 0.009+/-0.008 χ^2/NDF: 58.6/36

All: 0.007+/-0.006 χ^2/NDF: 92.8/75

- sign 0.005+/-0.009 χ^2/NDF: 34.0/38



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 36.739+/-0.007 χ^2/NDF:970235.2/20

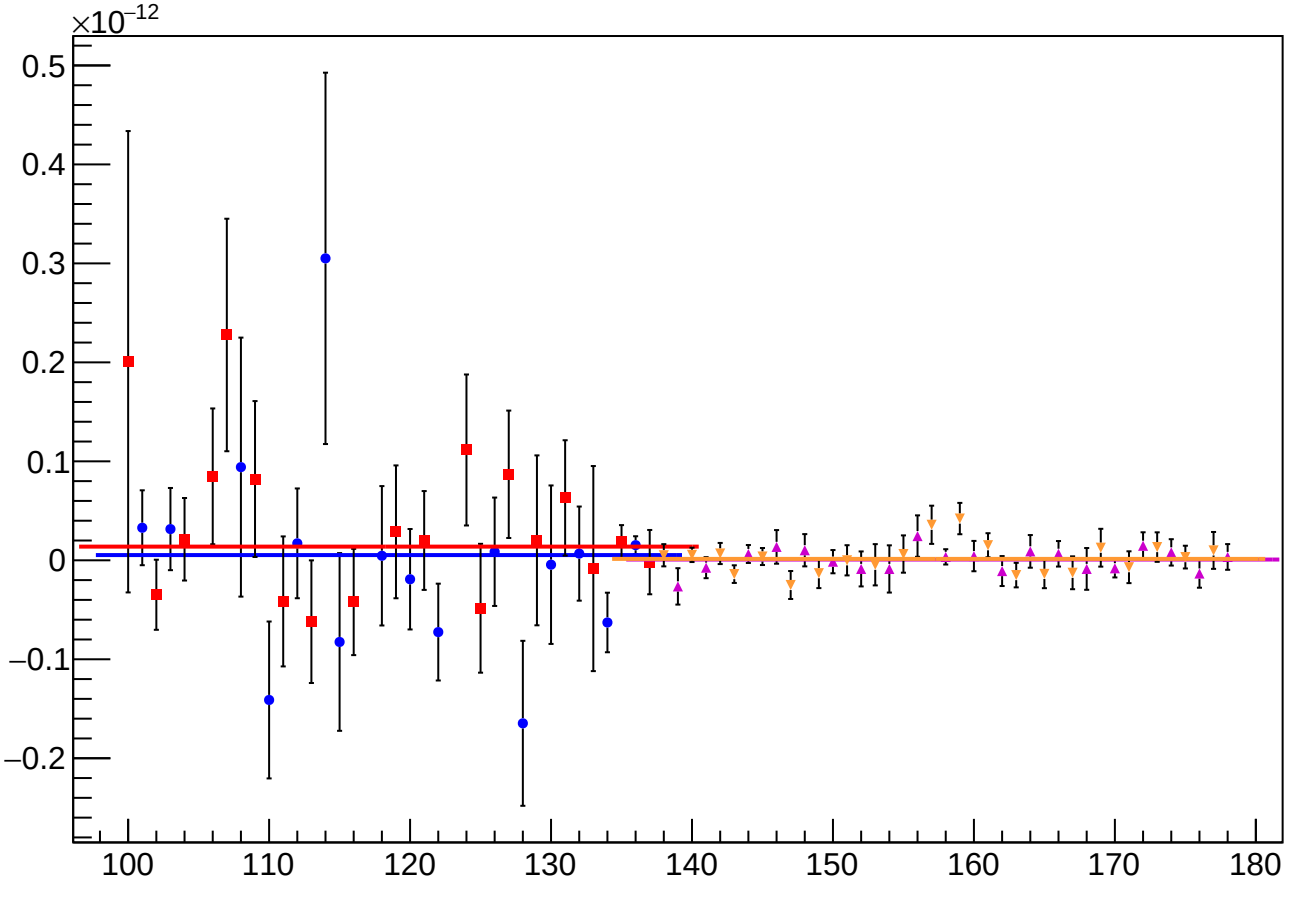
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 37.447+/-0.007 χ^2/NDF:675475.0/19

+ sign 37.069+/-0.006 χ^2/NDF: 2718185.5/36

All: 37.288+/-0.004 χ^2/NDF: 5341778.7/75

- sign 37.517+/-0.006 χ^2/NDF: 2620775.6/38



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.5/20

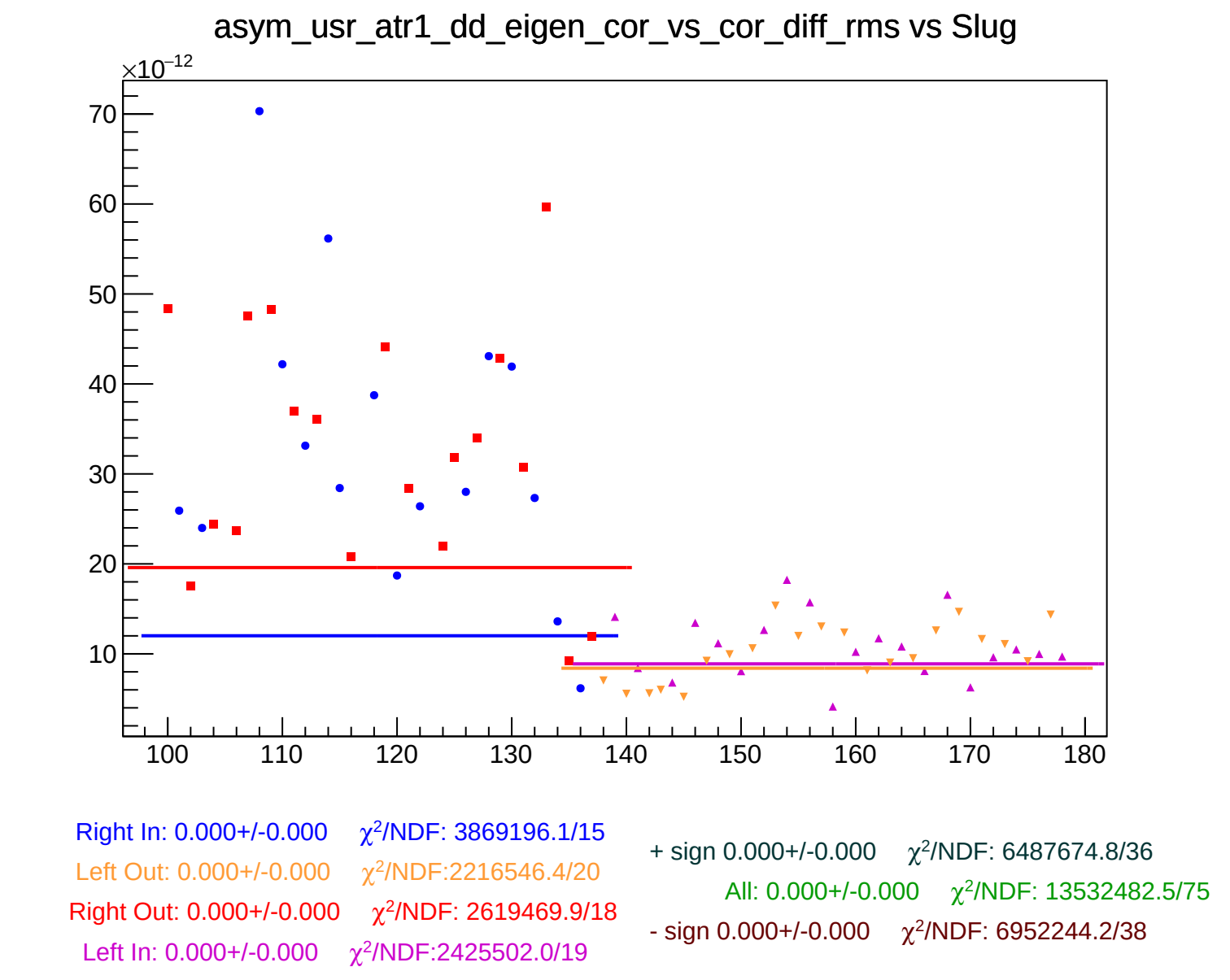
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:10.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 46.4/36

All: 0.000+/-0.000 χ^2/NDF: 74.2/75

- sign 0.000+/-0.000 χ^2/NDF: 27.9/38


asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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110
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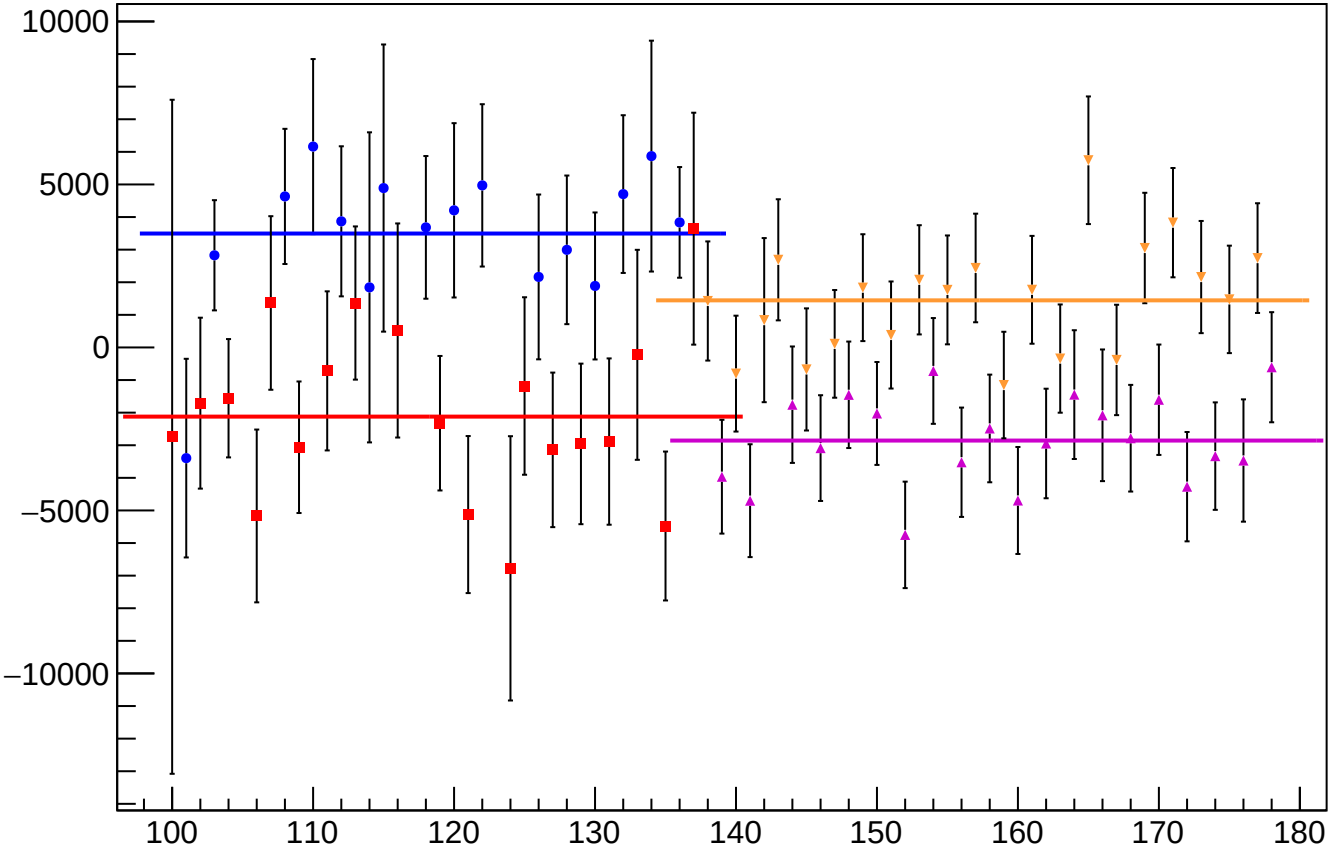
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3869196.1/15
Left Out: 0.000+/-0.000 χ²/NDF:2216546.4/20
Right Out: 0.000+/-0.000 χ²/NDF: 2619469.9/18
Left In: 0.000+/-0.000 χ²/NDF:2425502.0/19
+ sign 0.000+/-0.000 χ²/NDF: 6487674.8/36
All: 0.000+/-0.000 χ²/NDF: 13532482.5/75
- sign 0.000+/-0.000 χ²/NDF: 6952244.2/38

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1444.653+/-377.706 χ^2/NDF:18.4/20

Right Out: -2121.717+/-587.617 χ^2/NDF: 15.1/18

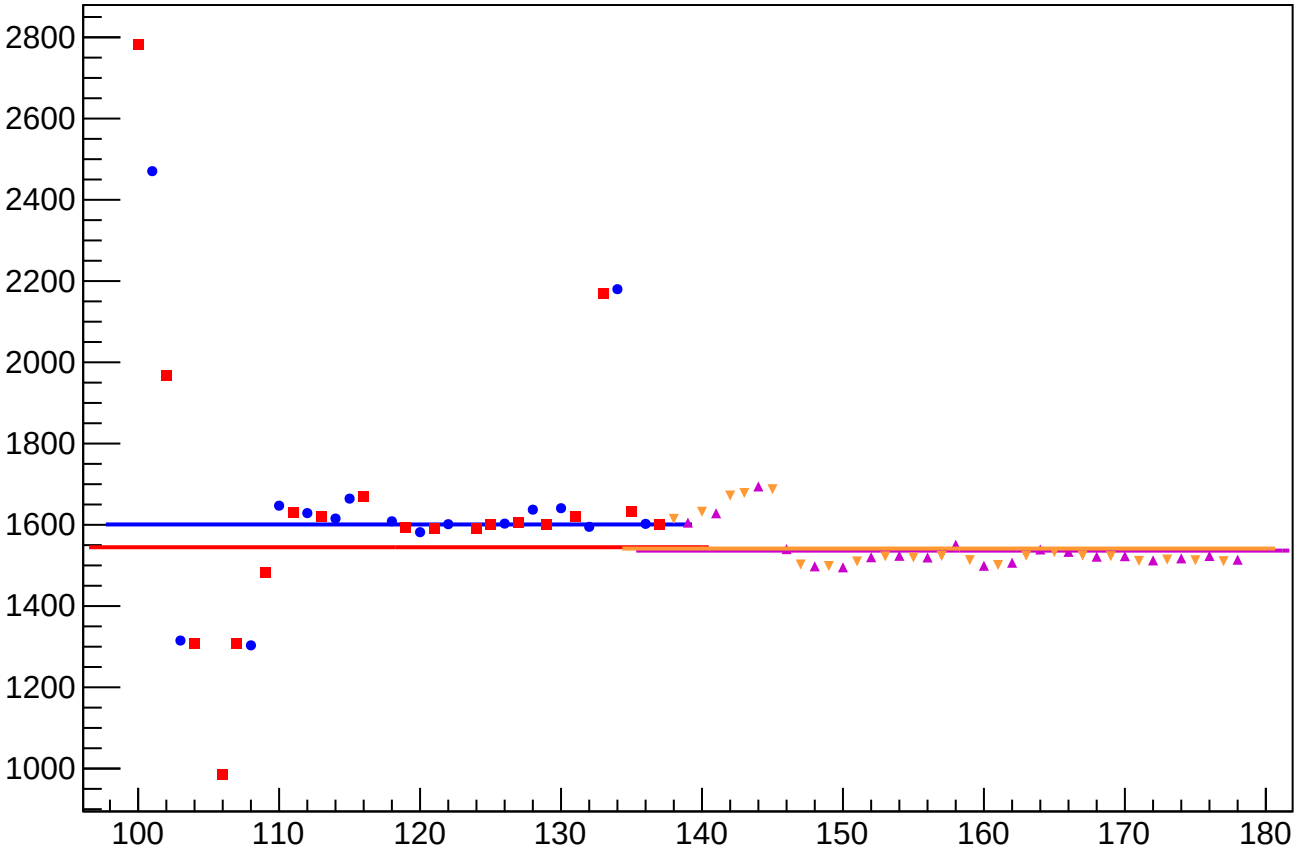
Left In: -2856.271+/-380.218 χ^2/NDF:13.2/19

+ sign 2024.748+/-319.823 χ^2/NDF: 35.6/36

All: -311.767+/-225.936 χ^2/NDF: 171.5/75

- sign -2639.491+/-319.221 χ^2/NDF: 29.4/38

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1541.605+/-0.267 χ^2/NDF:45798.2/20

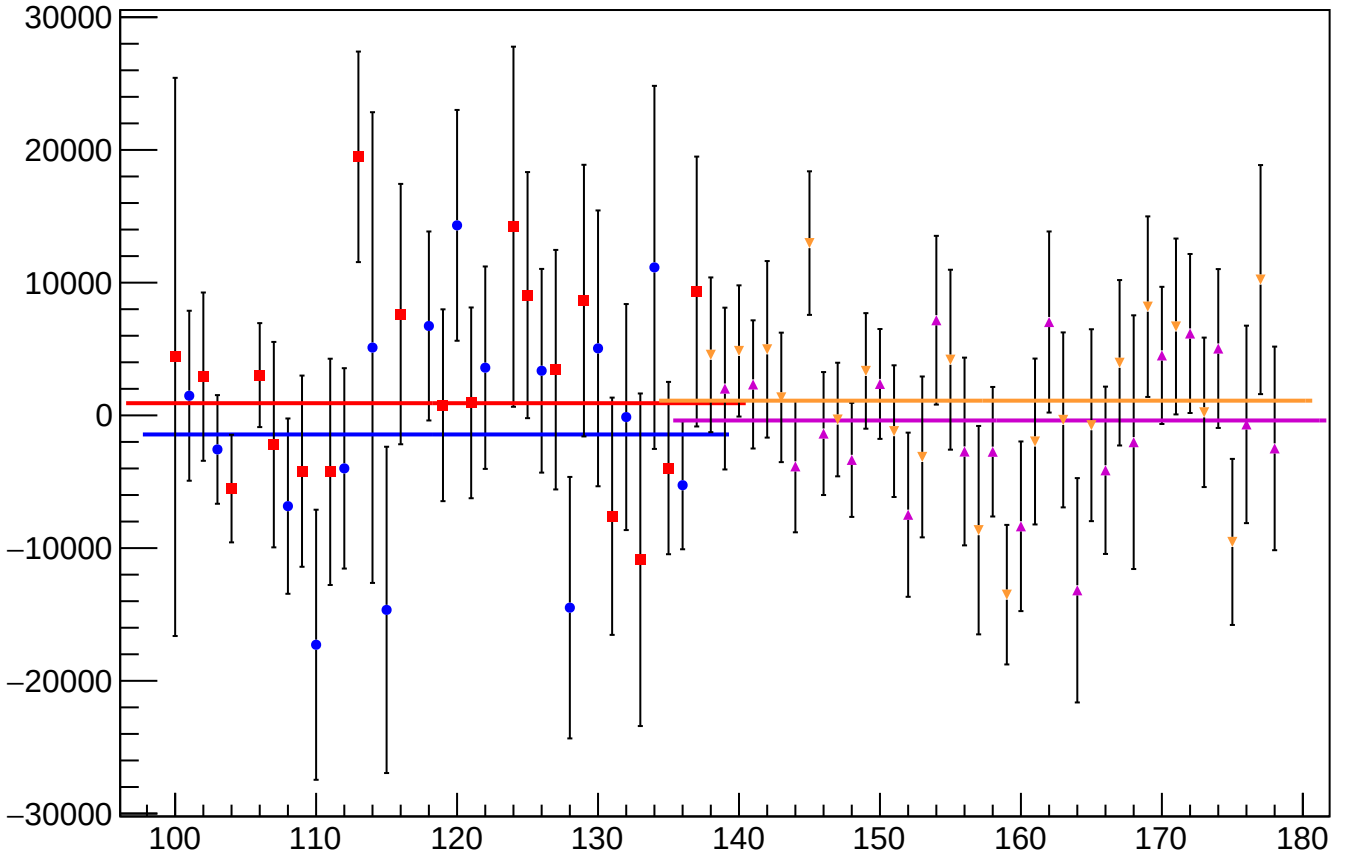
Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

Left In: 1536.491+/-0.269 χ^2/NDF:30680.7/19

+ sign 1558.380+/-0.226 χ^2/NDF: 377152.5/36

All: 1548.625+/-0.159 χ^2/NDF: 787945.5/75

- sign 1539.004+/-0.225 χ^2/NDF: 407097.4/38



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 1108.173+/-1262.911 χ^2/NDF:23.0/20

Right Out: 918.485+/-1669.278 χ^2/NDF: 15.3/18

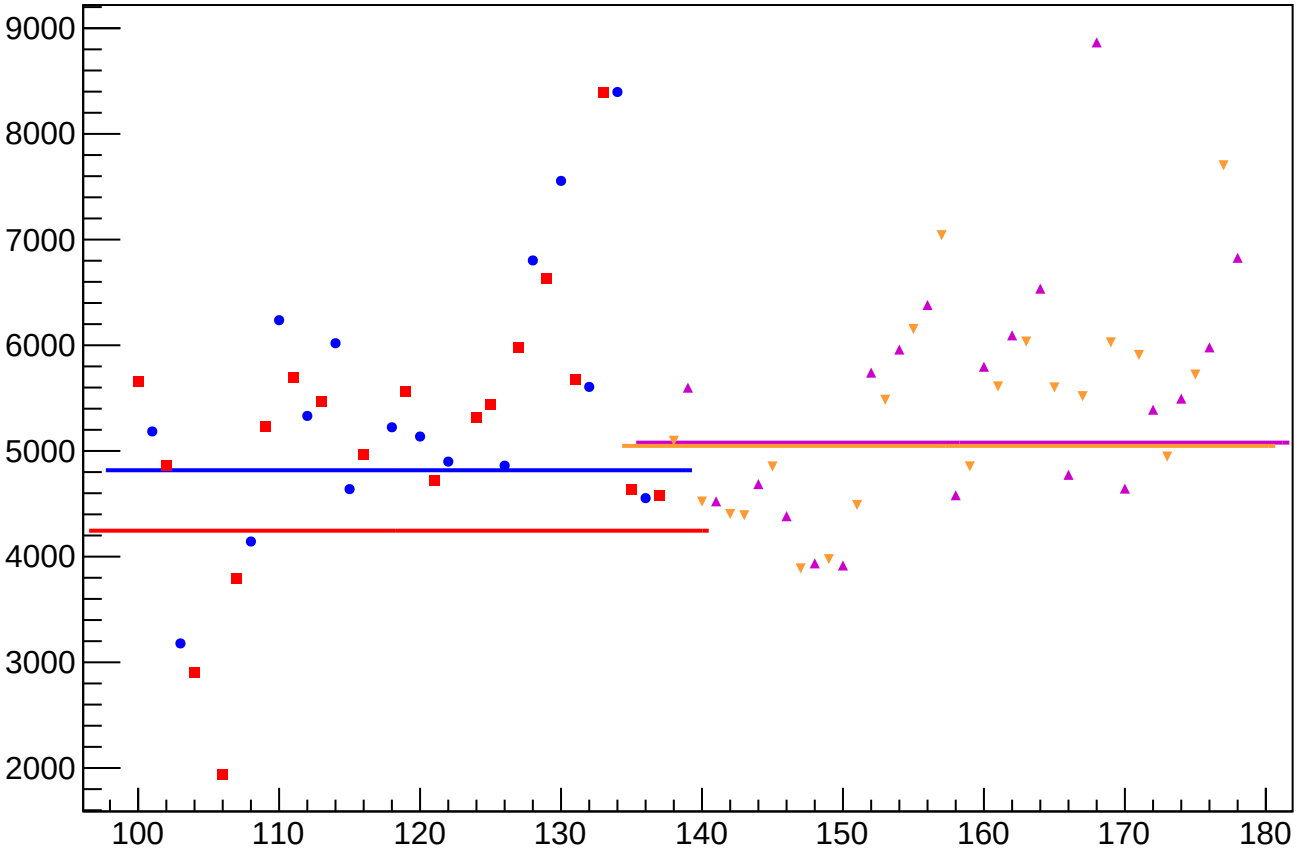
Left In: -383.557+/-1283.899 χ^2/NDF:13.4/19

\+ sign 298.053+/-1042.738 χ^2/NDF: 38.2/36

All: 196.823+/-728.312 χ^2/NDF: 67.3/75

\- sign 100.398+/-1017.696 χ^2/NDF: 29.1/38

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 4817.344+/-1.307 χ^2/NDF: 795431.1/15

Left Out: 5047.972+/-0.893 χ^2/NDF:941604.2/20

Right Out: 4245.533+/-1.180 χ^2/NDF: 1683159.2/18

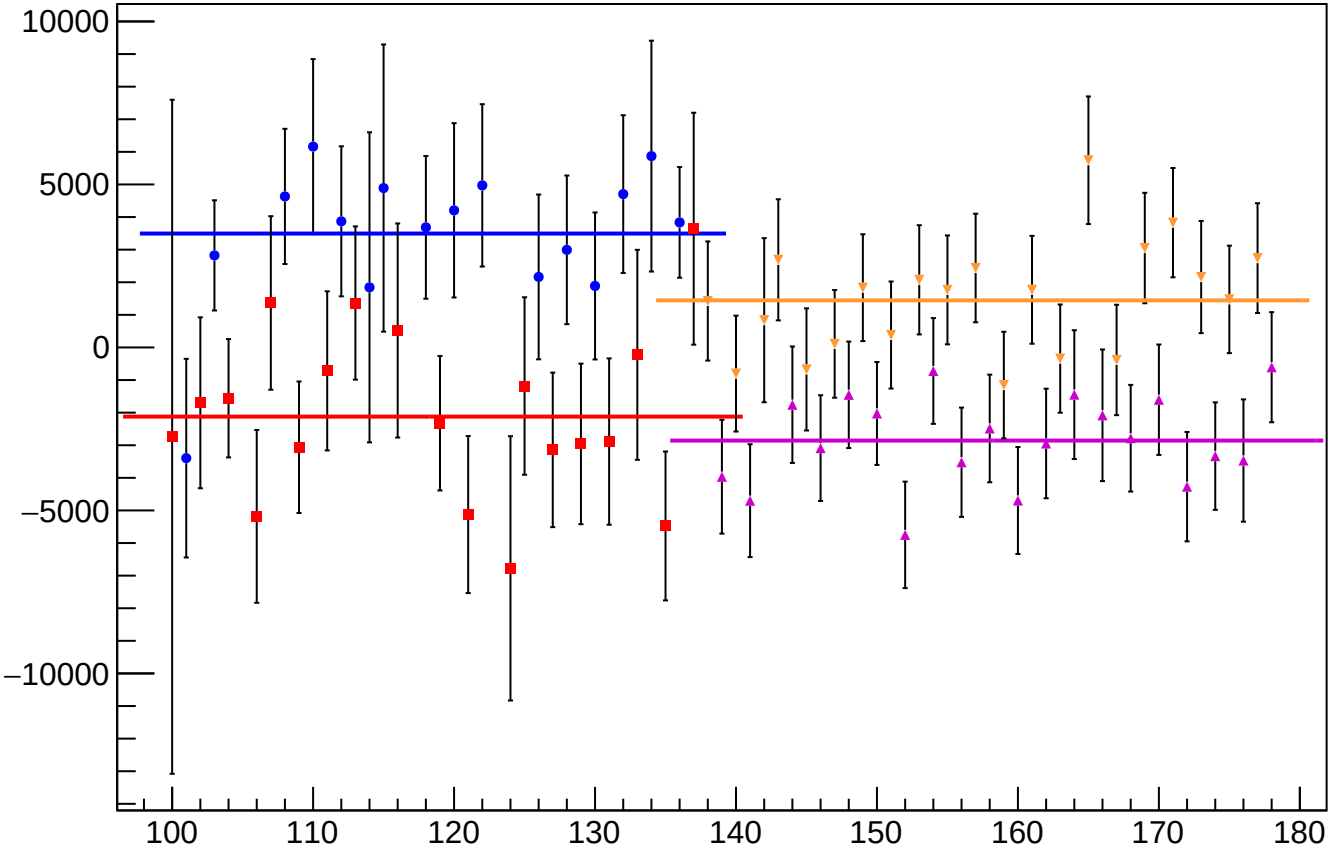
Left In: 5078.865+/-0.908 χ^2/NDF:1158045.4/19

+ sign 4974.567+/-0.737 χ^2/NDF: 1758263.8/36

All: 4869.349+/-0.515 χ^2/NDF: 4952401.5/75

- sign 4769.125+/-0.720 χ^2/NDF: 3154376.7/38

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1444.561+/-377.706 χ^2/NDF:18.4/20

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

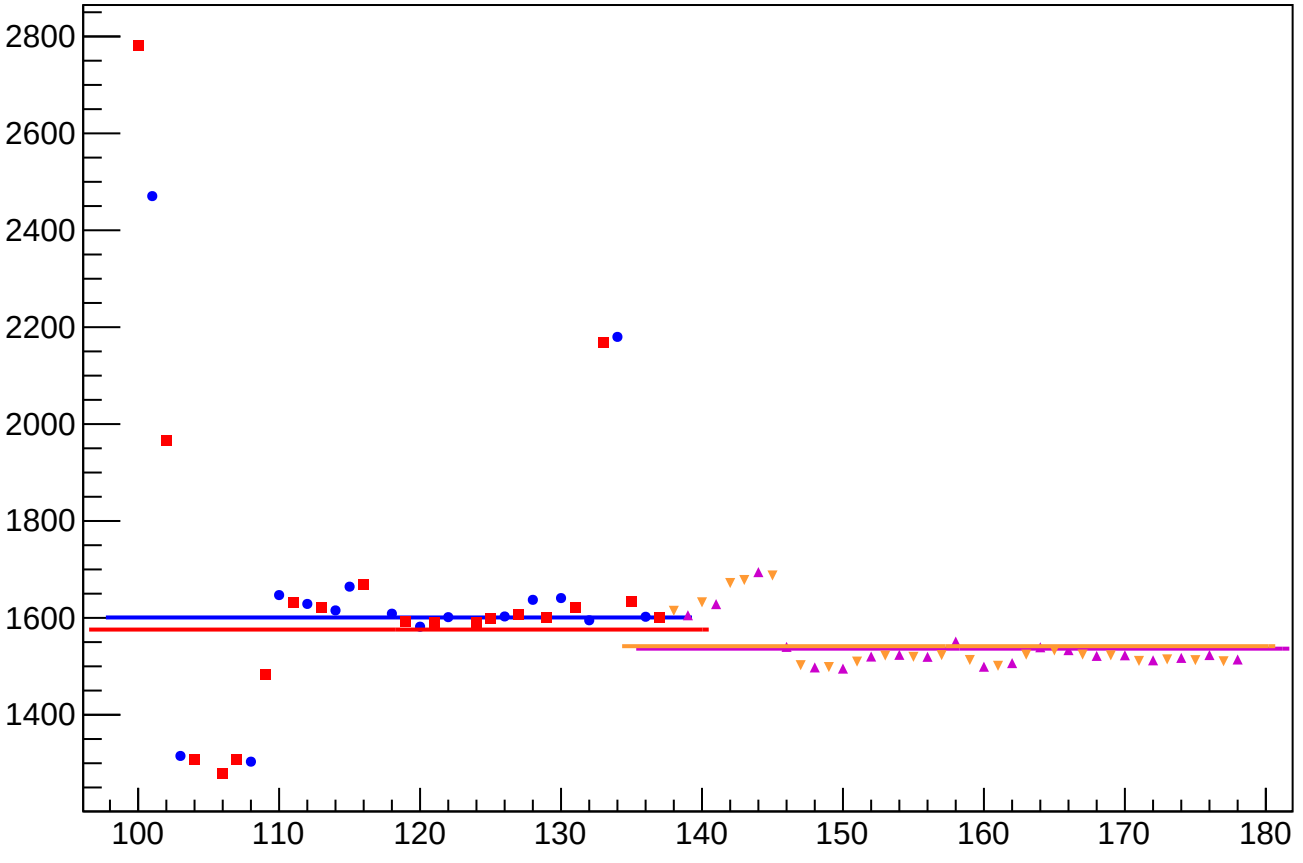
Left In: -2856.183+/-380.218 χ^2/NDF:13.2/19

+ sign 2024.588+/-319.823 χ^2/NDF: 35.6/36

All: -311.812+/-225.936 χ^2/NDF: 171.5/75

- sign -2639.428+/-319.221 χ^2/NDF: 29.4/38

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1541.605+/-0.267 χ^2/NDF:45798.2/20

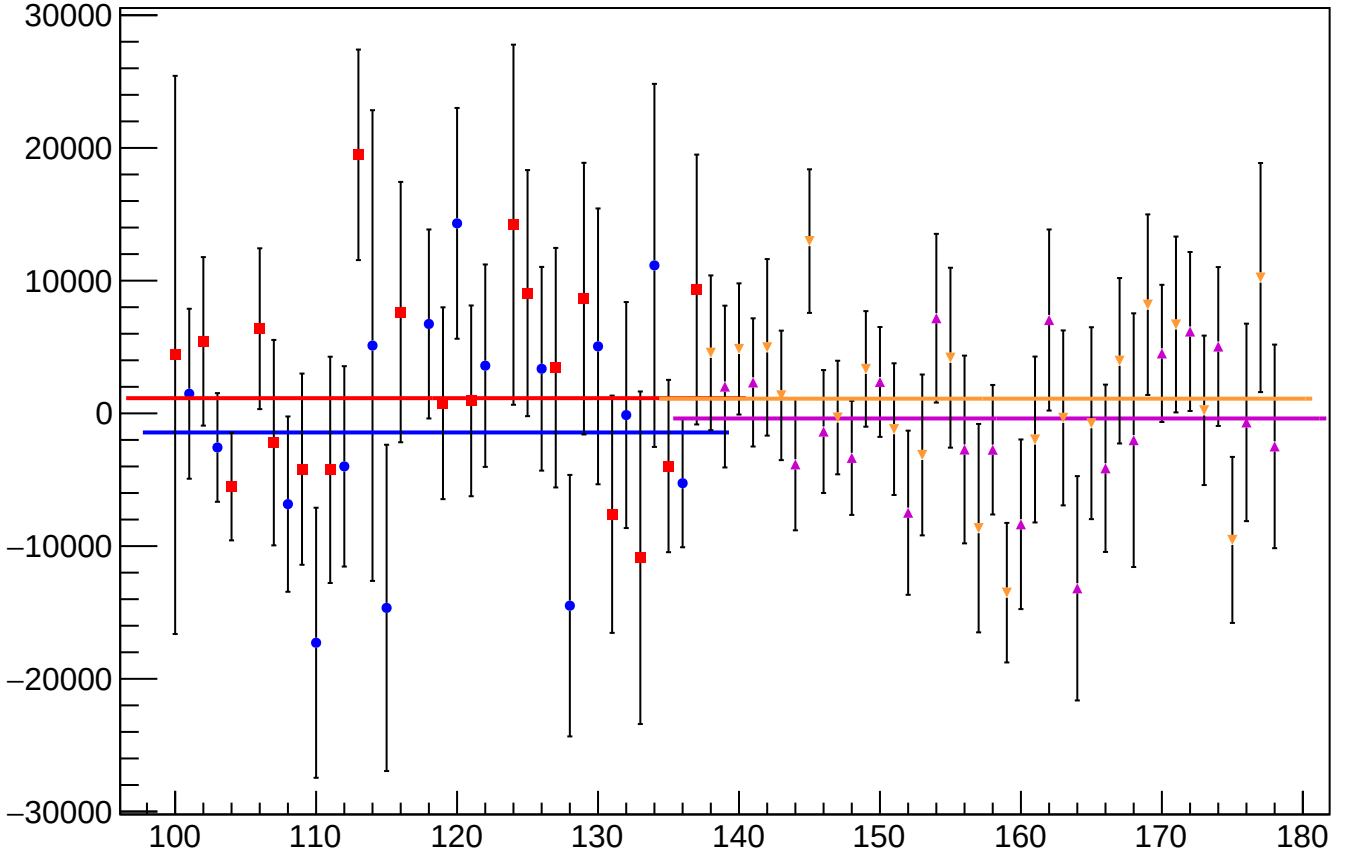
Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1536.491+/-0.269 χ^2/NDF:30680.7/19

+ sign 1558.380+/-0.226 χ^2/NDF: 377151.7/36

All: 1553.268+/-0.160 χ^2/NDF: 658559.8/75

- sign 1548.186+/-0.225 χ^2/NDF: 280389.0/38



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 1108.171+/-1262.908 χ^2/NDF:23.0/20

Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

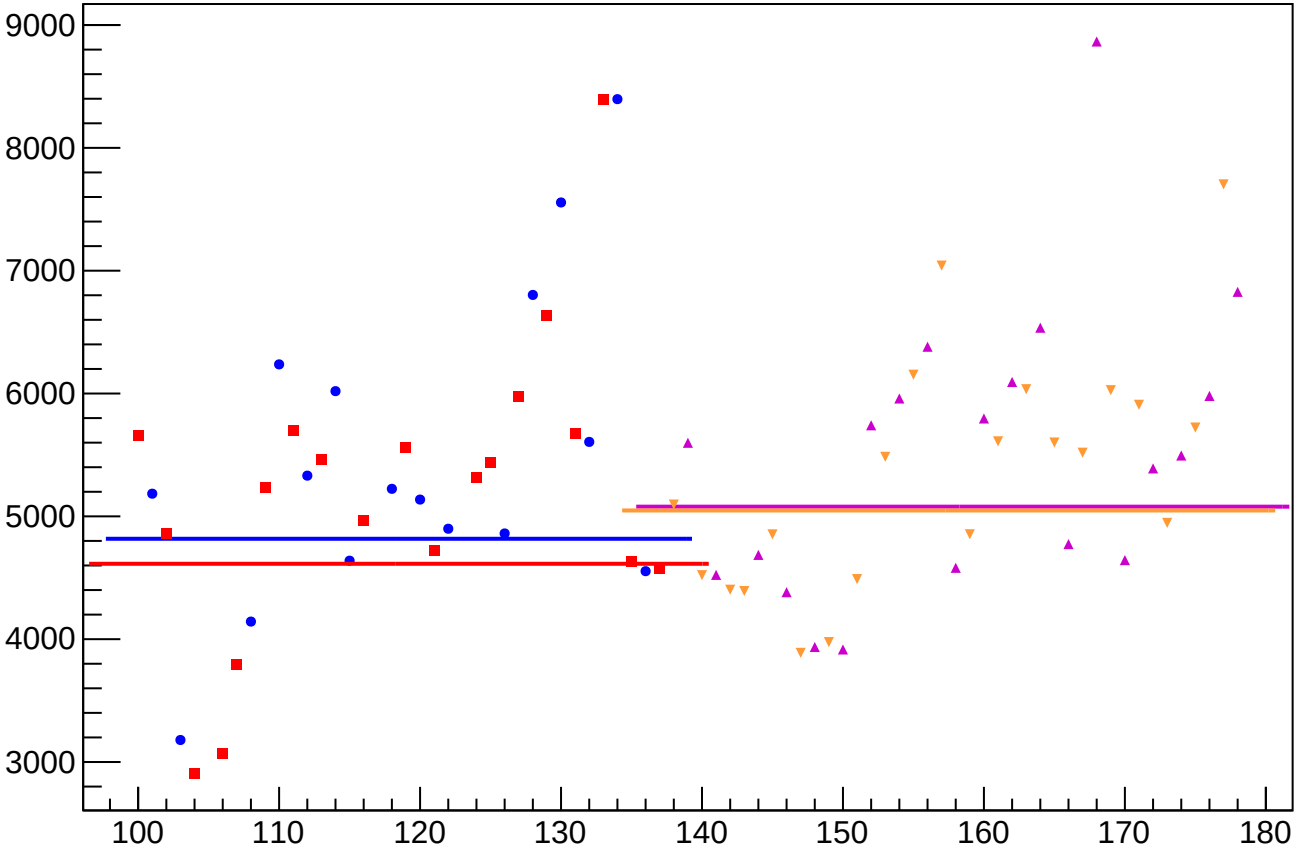
Left In: -383.572+/-1283.899 χ^2/NDF:13.4/19

+ sign 297.999+/-1042.743 χ^2/NDF: 38.2/36

All: 221.491+/-735.769 χ^2/NDF: 68.3/75

- sign 145.628+/-1038.340 χ^2/NDF: 30.1/38

asym_usr_atr2_avg_cor_correction_rms vs Slug



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 5047.961+/-0.893 χ^2/NDF:941614.2/20

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

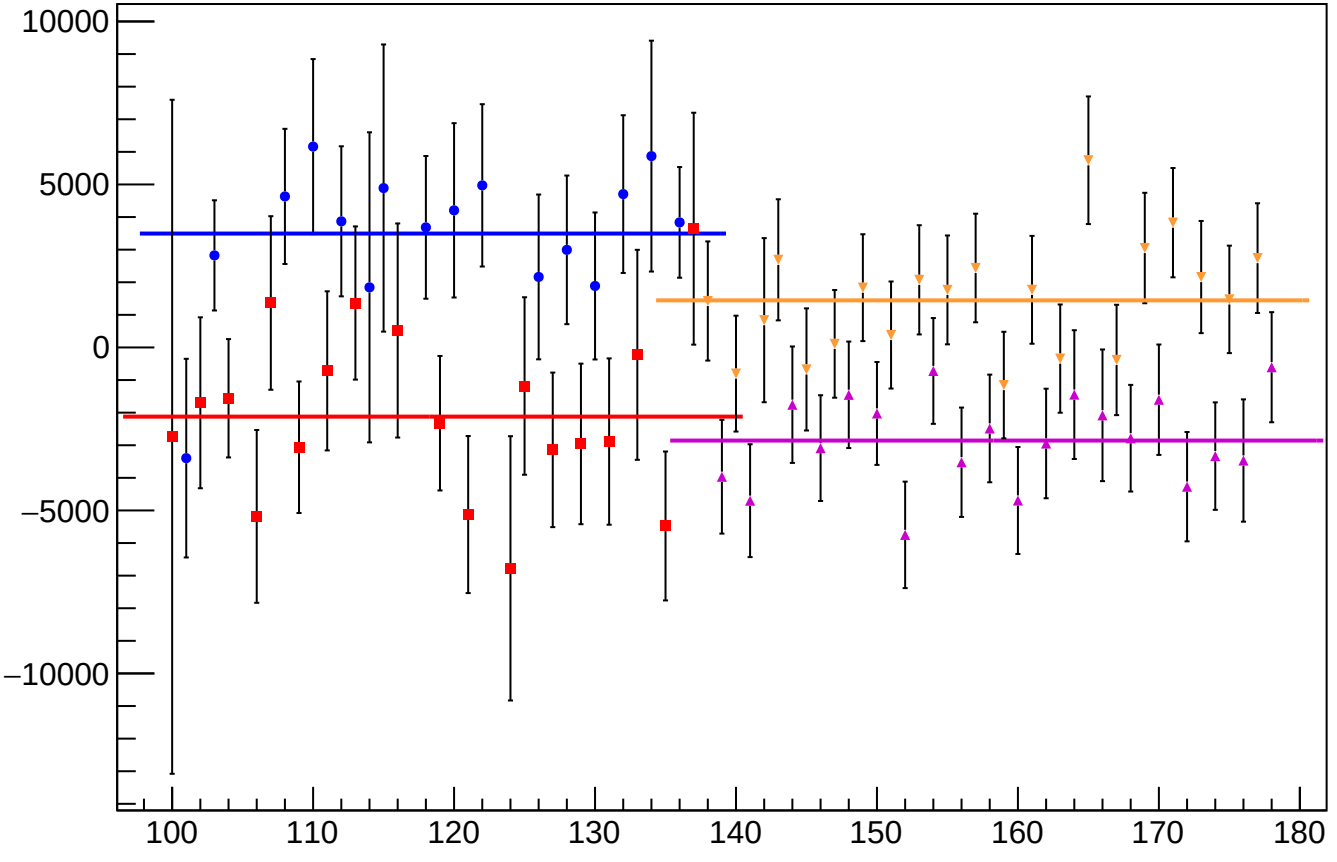
Left In: 5078.864+/-0.908 χ^2/NDF:1158048.0/19

+ sign 4974.606+/-0.737 χ^2/NDF: 1758048.5/36

All: 4946.182+/-0.520 χ^2/NDF: 3987775.5/75

- sign 4917.997+/-0.734 χ^2/NDF: 2226767.3/38

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1444.561+/-377.706 χ^2/NDF:18.4/20

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

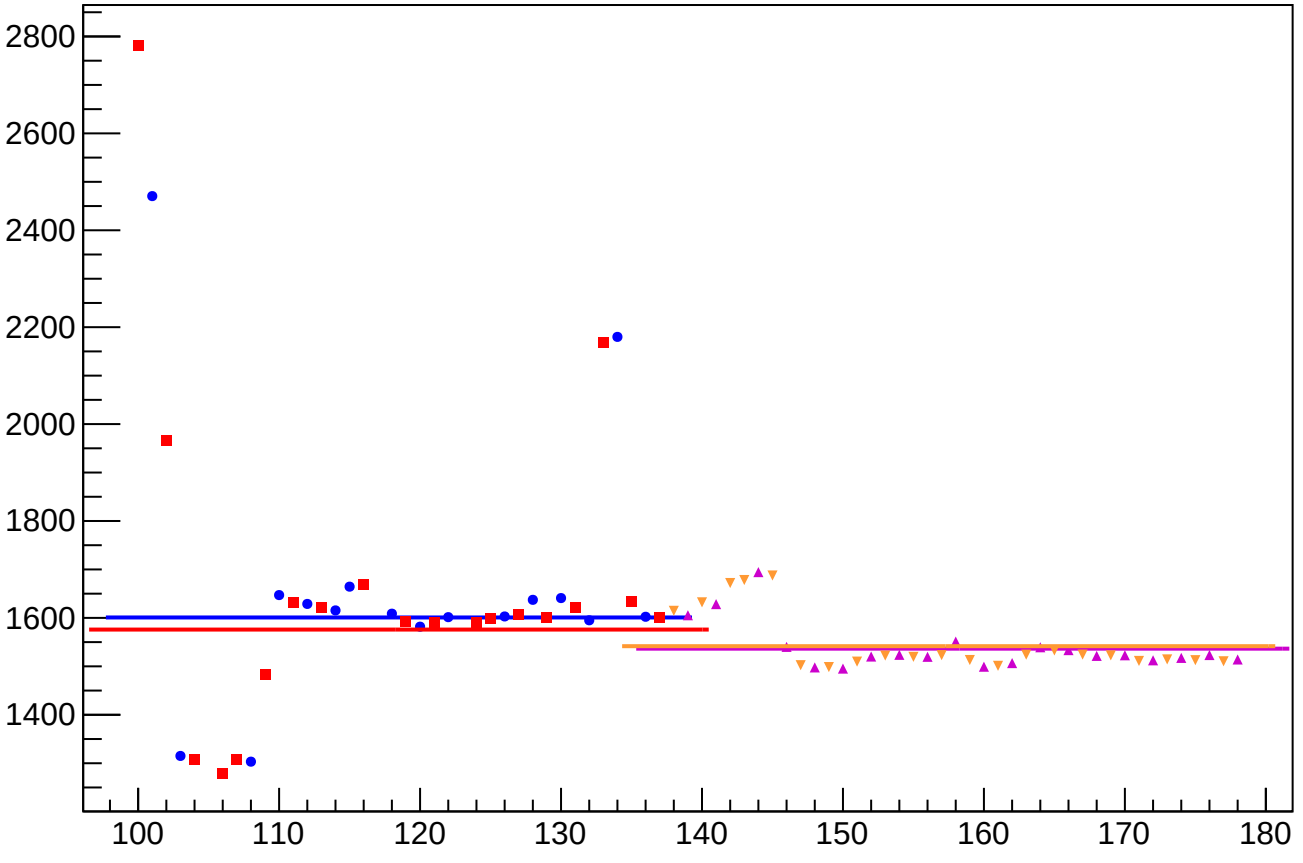
Left In: -2856.183+/-380.218 χ^2/NDF:13.2/19

+ sign 2024.588+/-319.823 χ^2/NDF: 35.6/36

All: -311.812+/-225.936 χ^2/NDF: 171.5/75

- sign -2639.428+/-319.221 χ^2/NDF: 29.4/38

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1541.605+/-0.267 χ^2/NDF:45798.2/20

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

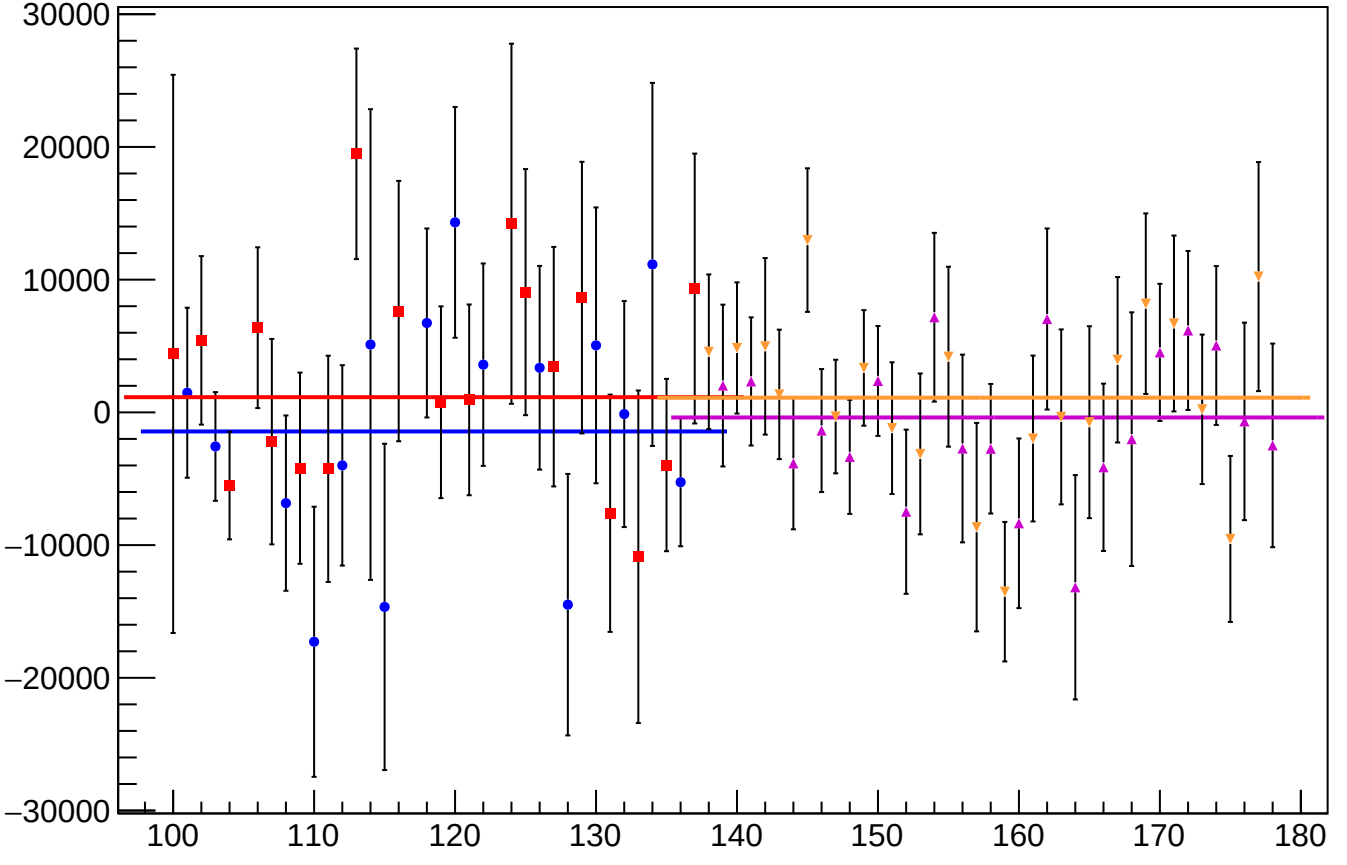
Left In: 1536.491+/-0.269 χ^2/NDF:30680.7/19

+ sign 1558.380+/-0.226 χ^2/NDF: 377151.7/36

All: 1553.268+/-0.160 χ^2/NDF: 658559.8/75

- sign 1548.186+/-0.225 χ^2/NDF: 280389.0/38

asym_usr_atr2_avg_eigen_cor_correction_mean vs Slug



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 1108.171+/-1262.908 χ^2/NDF:23.0/20

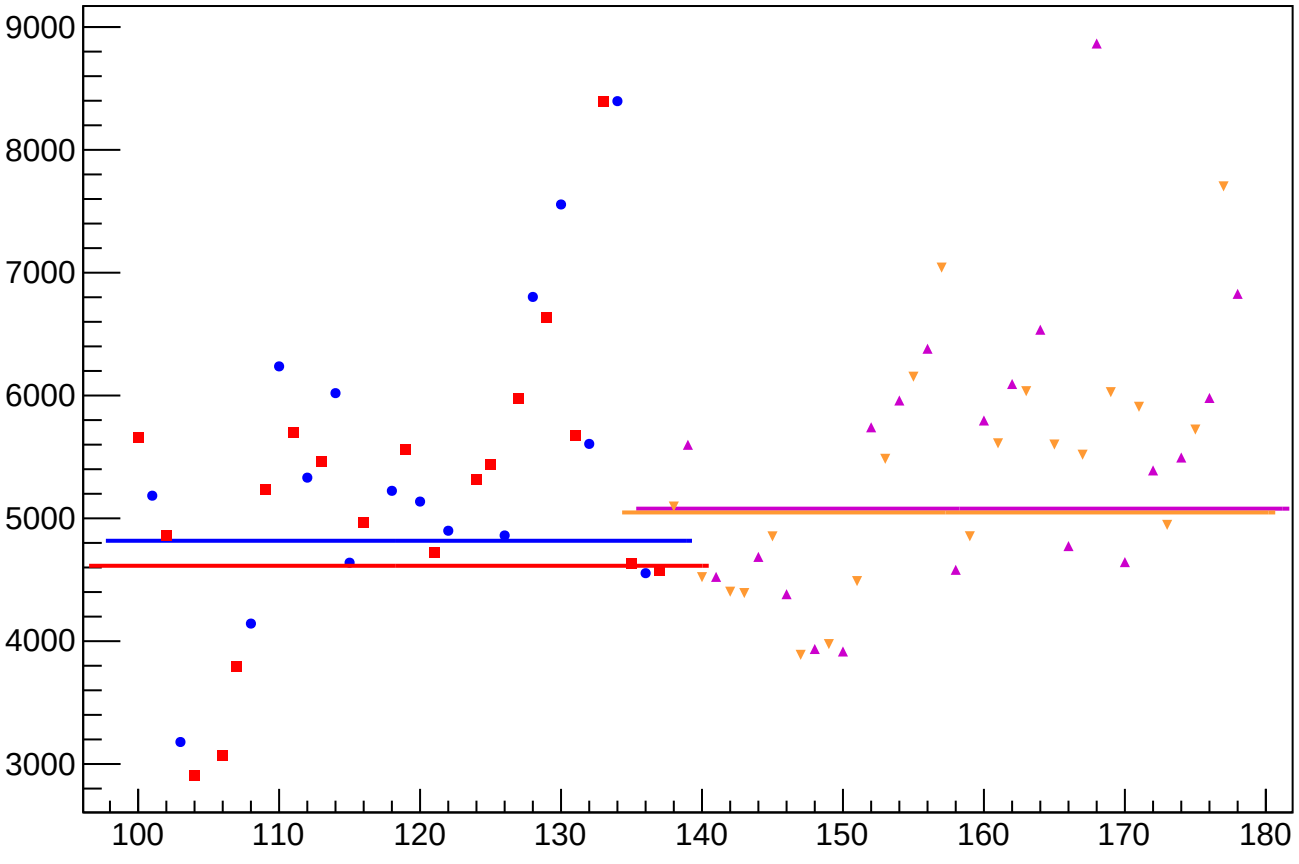
Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: -383.572+/-1283.899 χ^2/NDF:13.4/19

+ sign 297.999+/-1042.743 χ^2/NDF: 38.2/36

All: 221.491+/-735.769 χ^2/NDF: 68.3/75

- sign 145.628+/-1038.340 χ^2/NDF: 30.1/38



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 5047.961+/-0.893 χ^2/NDF:941614.2/20

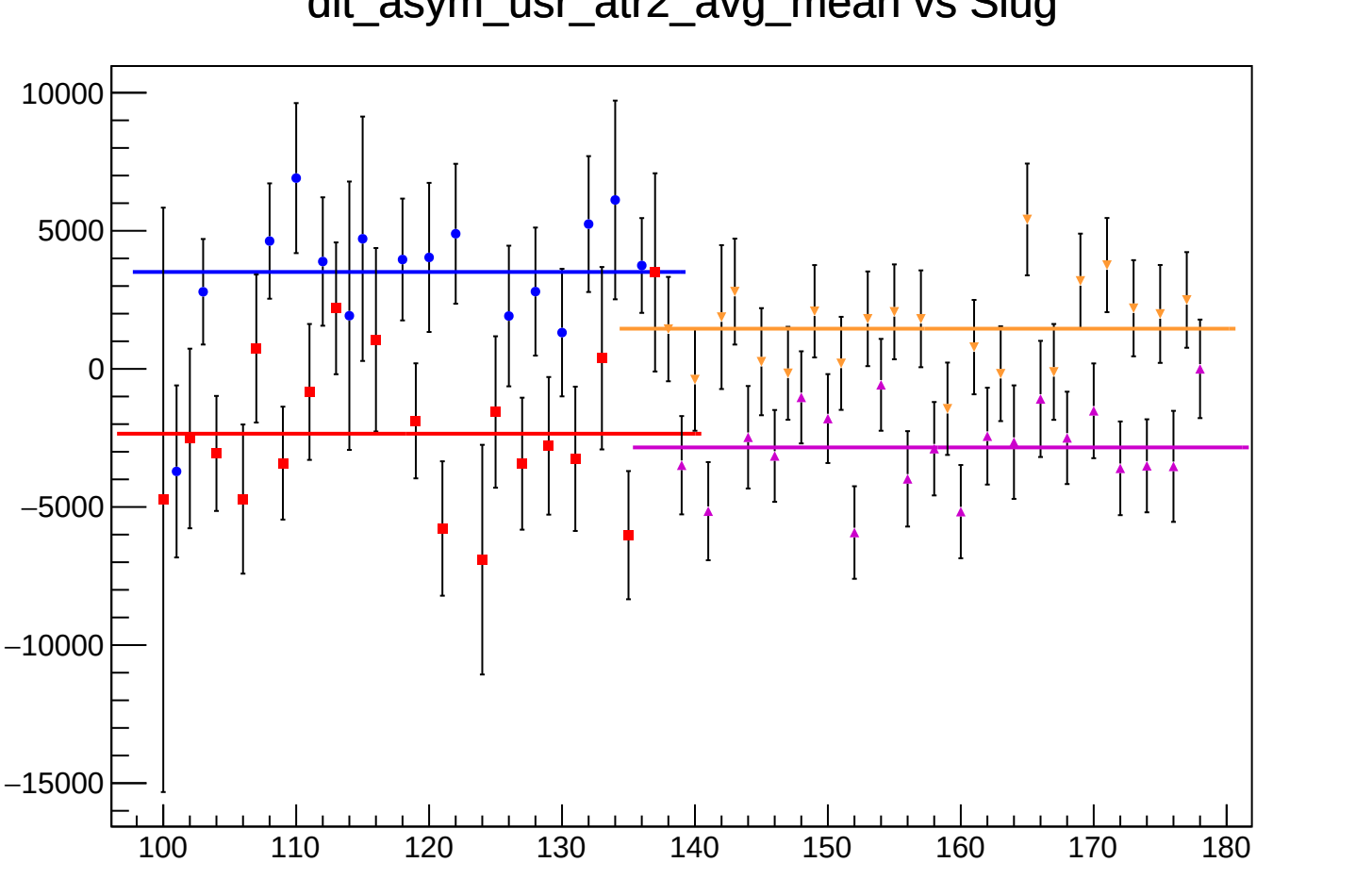
Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 5078.864+/-0.908 χ^2/NDF:1158048.0/19

+ sign 4974.606+/-0.737 χ^2/NDF: 1758048.5/36

All: 4946.182+/-0.520 χ^2/NDF: 3987775.5/75

- sign 4917.997+/-0.734 χ^2/NDF: 2226767.3/38



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1455.682+/-389.004 χ^2/NDF:15.9/20

Right Out: -2346.859+/-607.502 χ^2/NDF: 17.1/18

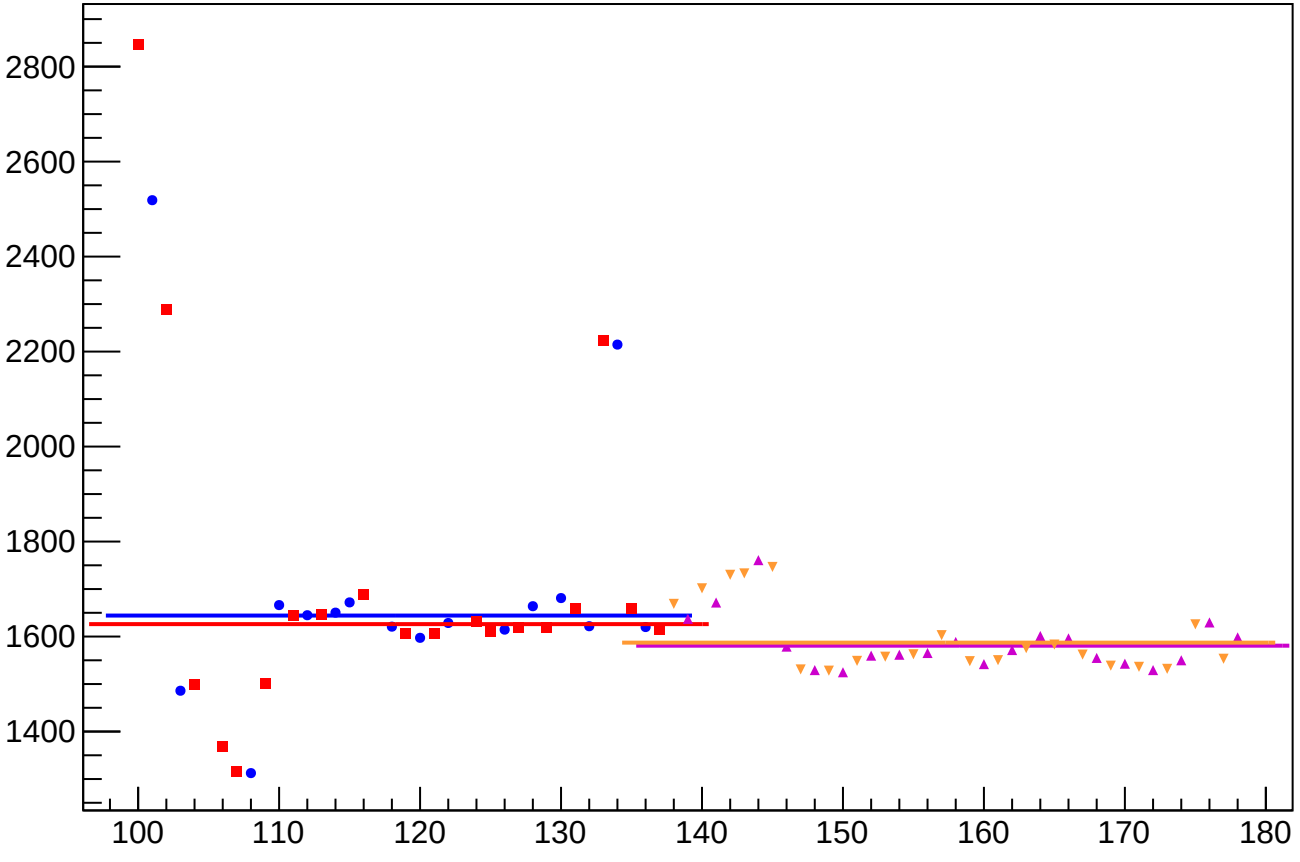
Left In: -2843.197+/-391.286 χ^2/NDF:15.5/19

+ sign 2040.240+/-329.021 χ^2/NDF: 34.2/36

All: -329.174+/-232.630 χ^2/NDF: 171.0/75

- sign -2697.665+/-328.957 χ^2/NDF: 33.1/38

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1587.196+/-0.275 χ^2/NDF:59029.8/20

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

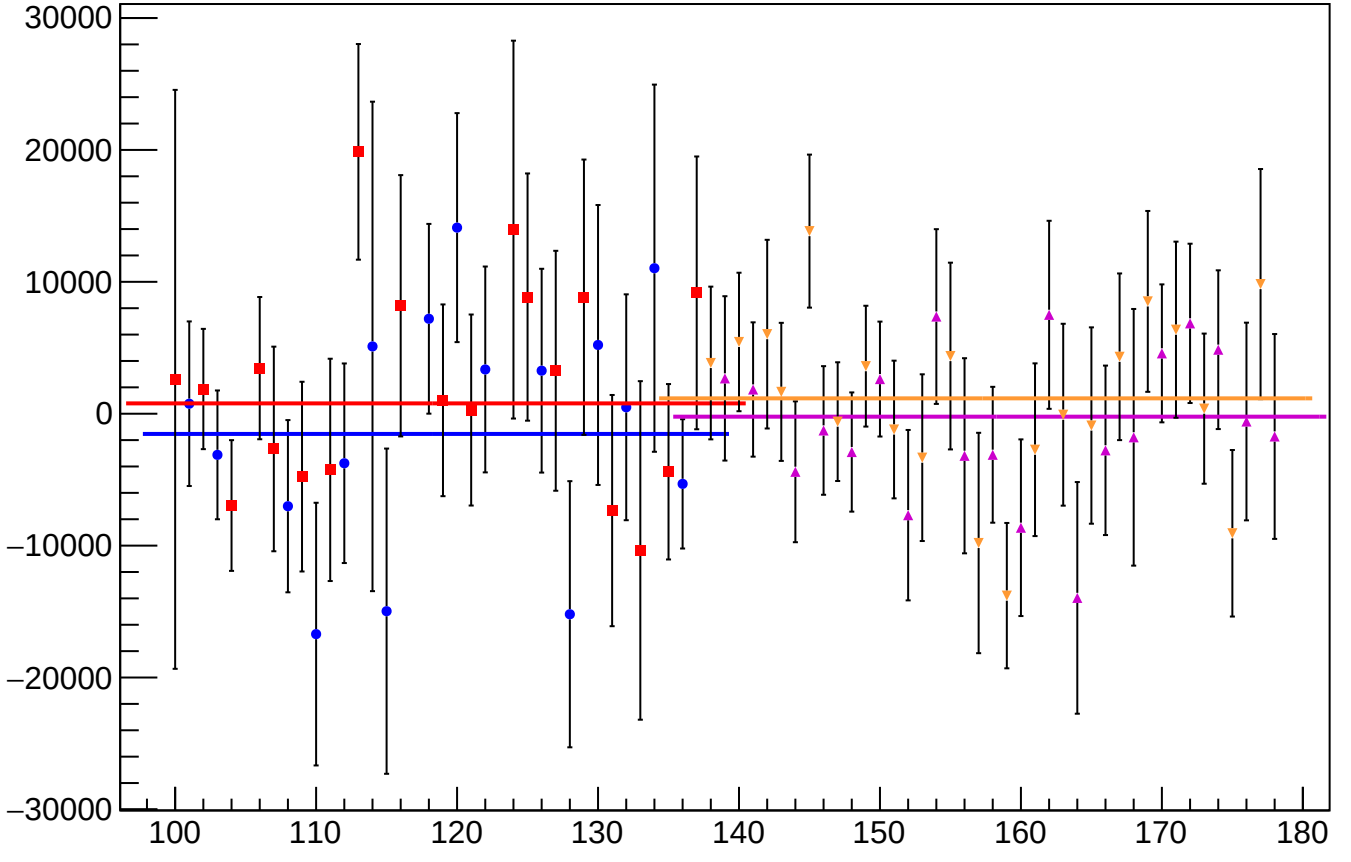
Left In: 1580.774+/-0.277 χ^2/NDF:37923.7/19

+ sign 1603.420+/-0.233 χ^2/NDF: 346070.5/36

All: 1598.759+/-0.164 χ^2/NDF: 630340.5/75

- sign 1594.102+/-0.233 χ^2/NDF: 283467.6/38

asym_usr_atr2_avg_dit_correction_mean vs Slug



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 1165.688+/-1315.180 χ^2/NDF:22.7/20

Right Out: 784.235+/-1748.566 χ^2/NDF: 15.0/18

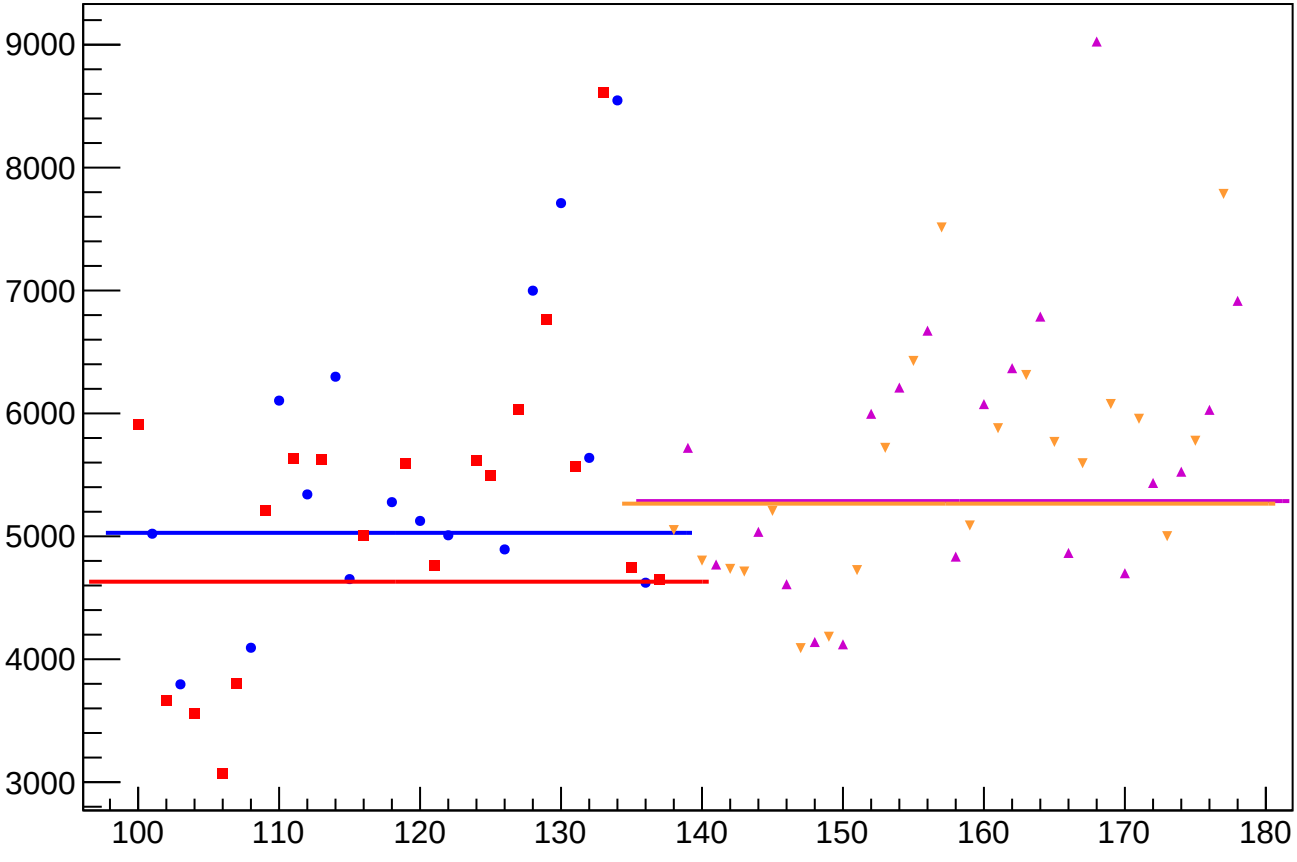
Left In: -223.679+/-1334.459 χ^2/NDF:13.3/19

\+ sign 300.314+/-1083.911 χ^2/NDF: 37.9/36

All: 222.158+/-758.146 χ^2/NDF: 66.5/75

\- sign 147.296+/-1060.822 χ^2/NDF: 28.5/38

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 5265.888+/-0.930 χ^2/NDF:844361.8/20

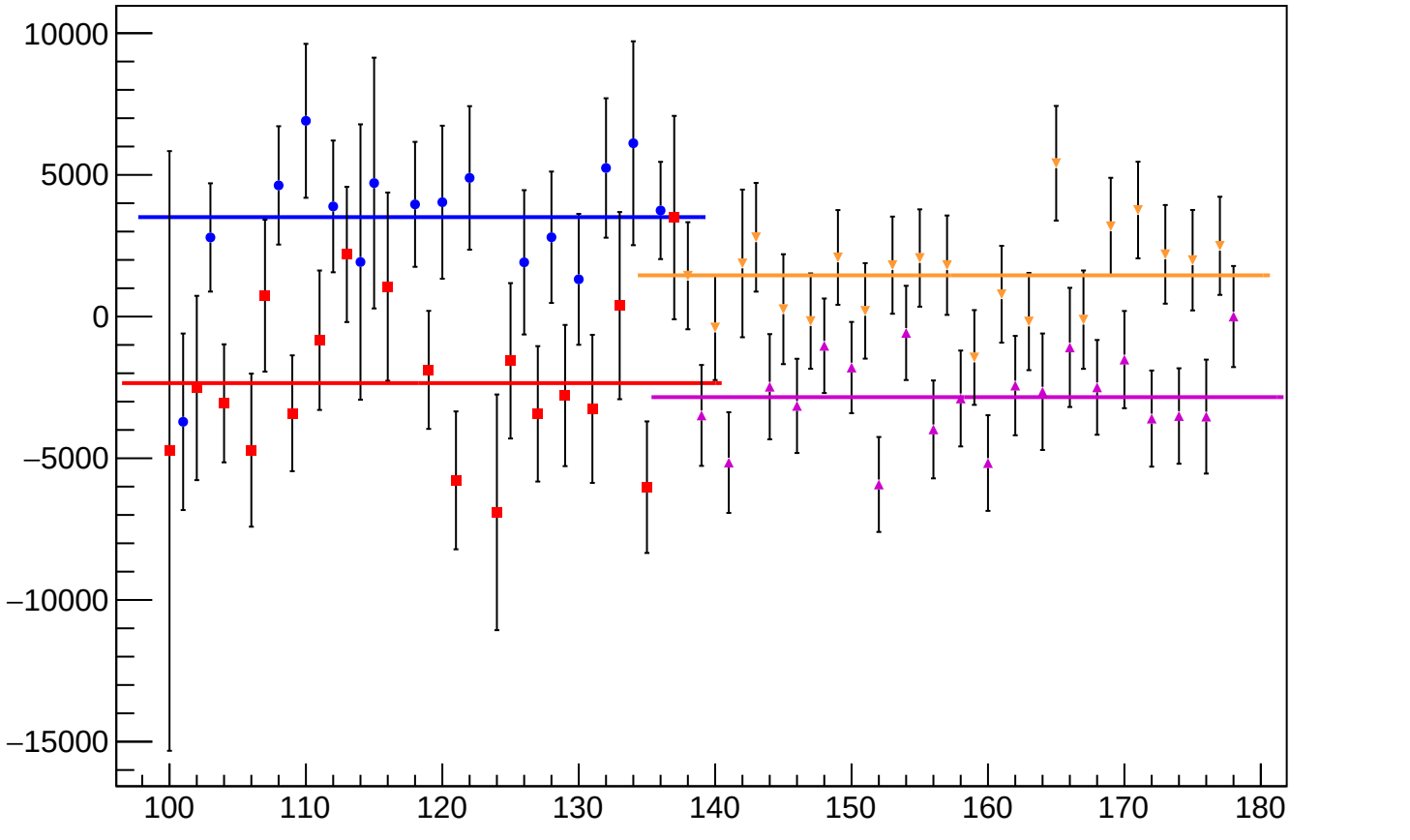
Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

Left In: 5286.724+/-0.944 χ^2/NDF:1067073.2/19

+ sign 5189.725+/-0.766 χ^2/NDF: 1430741.4/36

All: 5115.978+/-0.536 χ^2/NDF: 3557248.4/75

- sign 5045.341+/-0.750 χ^2/NDF: 2108381.0/38



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1455.676+/-389.005 χ^2/NDF:15.9/20

Right Out: -2346.865+/-607.502 χ^2/NDF: 17.1/18

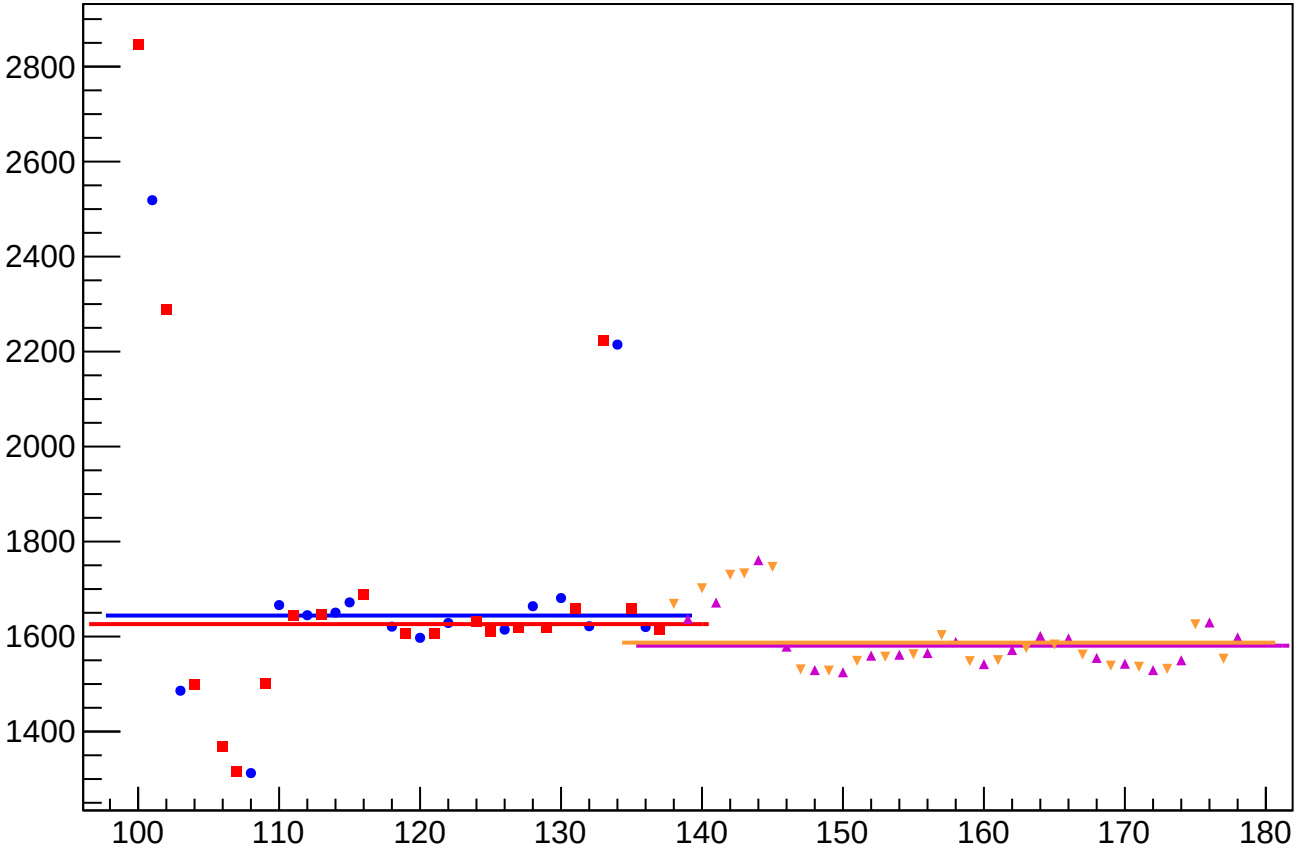
Left In: -2843.200+/-391.286 χ^2/NDF:15.5/19

+ sign 2040.237+/-329.021 χ^2/NDF: 34.2/36

All: -329.177+/-232.630 χ^2/NDF: 171.0/75

- sign -2697.668+/-328.957 χ^2/NDF: 33.1/38

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198+/-0.436 χ^2/NDF: 274818.1/15

Left Out: 1587.197+/-0.275 χ^2/NDF:59030.0/20

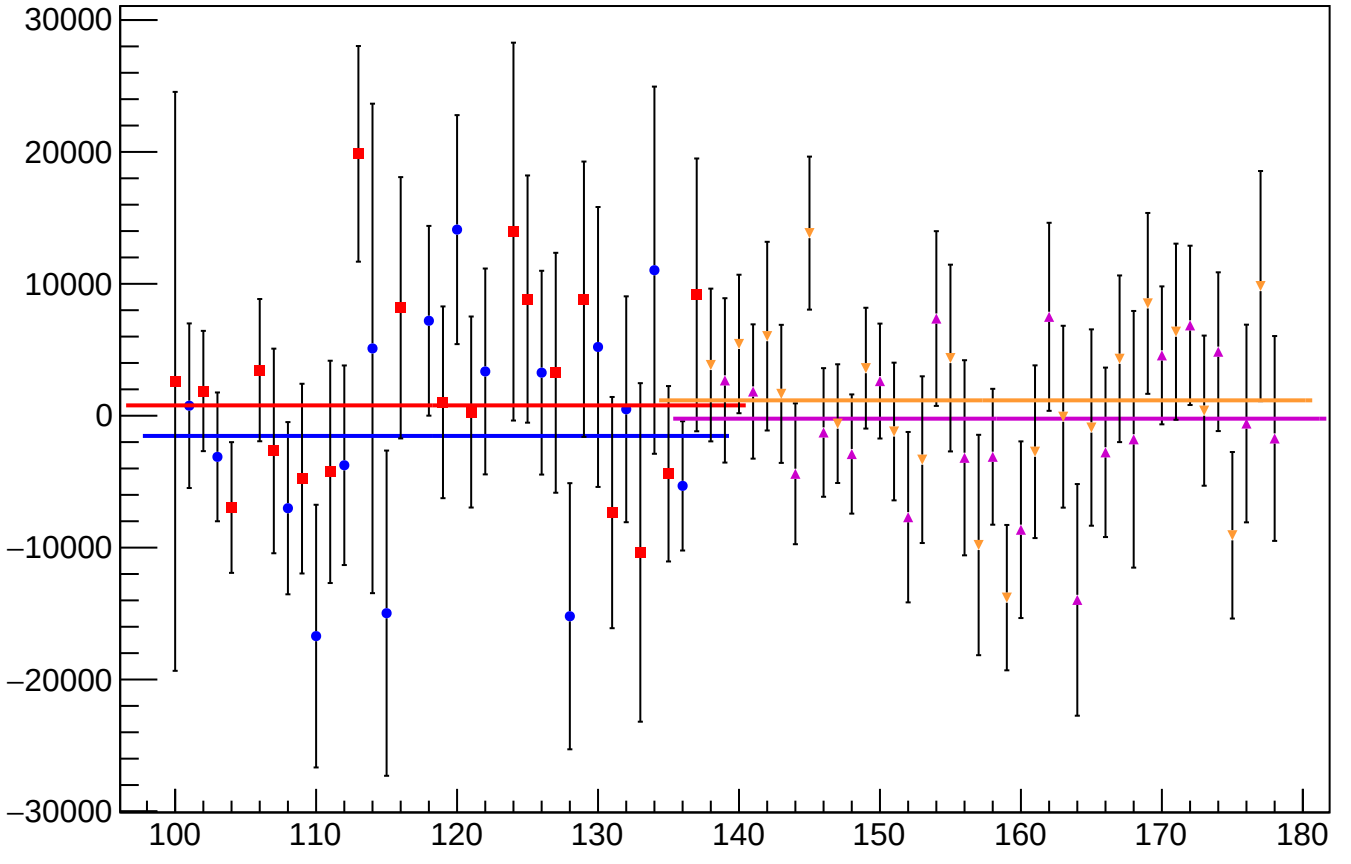
Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 1580.775+/-0.277 χ^2/NDF:37923.6/19

+ sign 1603.420+/-0.233 χ^2/NDF: 346070.2/36

All: 1598.760+/-0.164 χ^2/NDF: 630339.2/75

- sign 1594.103+/-0.233 χ^2/NDF: 283466.7/38



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 1165.686+/-1315.183 χ^2/NDF:22.7/20

Right Out: 784.236+/-1748.563 χ^2/NDF: 15.0/18

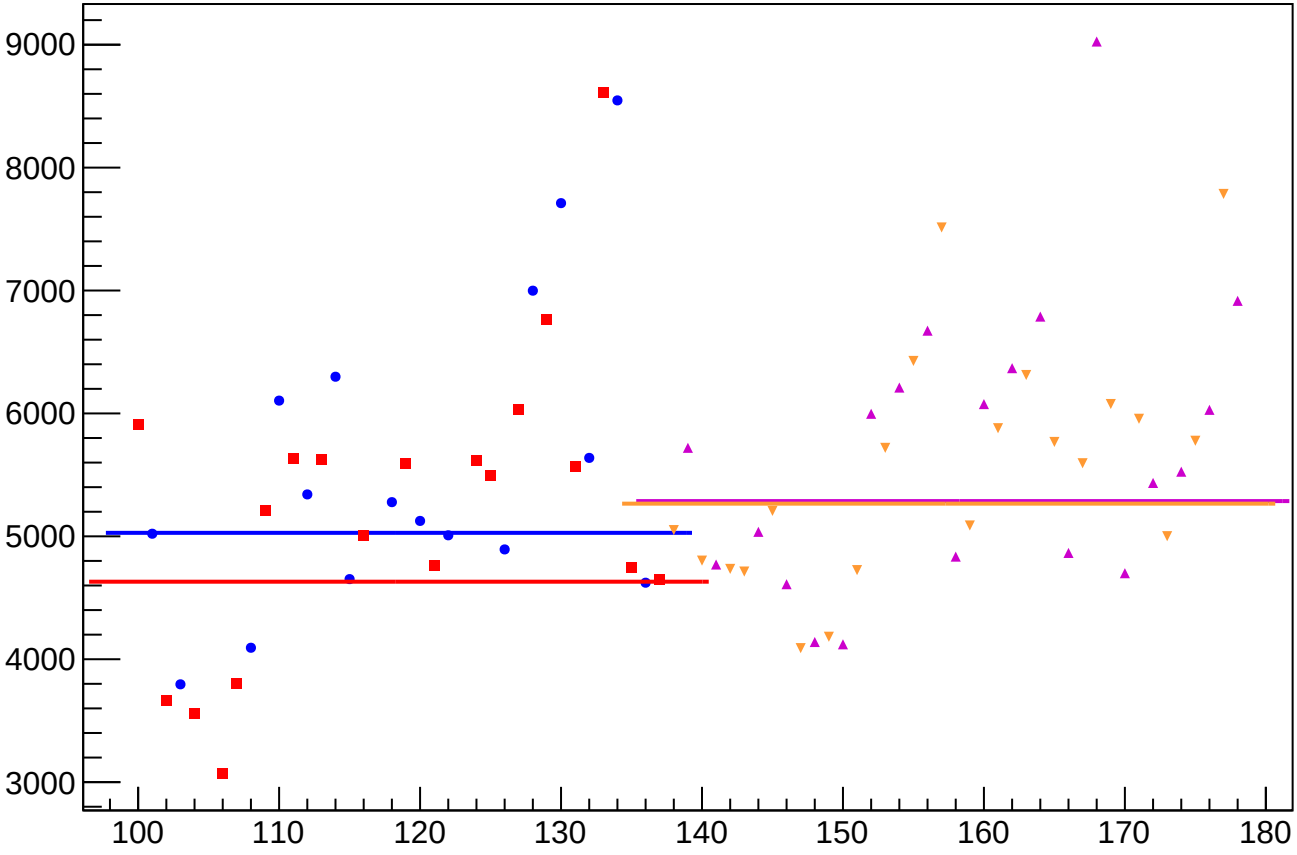
Left In: -223.678+/-1334.462 χ^2/NDF:13.3/19

\+ sign 300.313+/-1083.912 χ^2/NDF: 37.9/36

All: 222.159+/-758.146 χ^2/NDF: 66.5/75

\- sign 147.298+/-1060.823 χ^2/NDF: 28.5/38

asym_usr_atr2_avg_eigen_dit_correction_rms vs Slug



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 5265.897+/-0.930 χ^2/NDF:844362.5/20

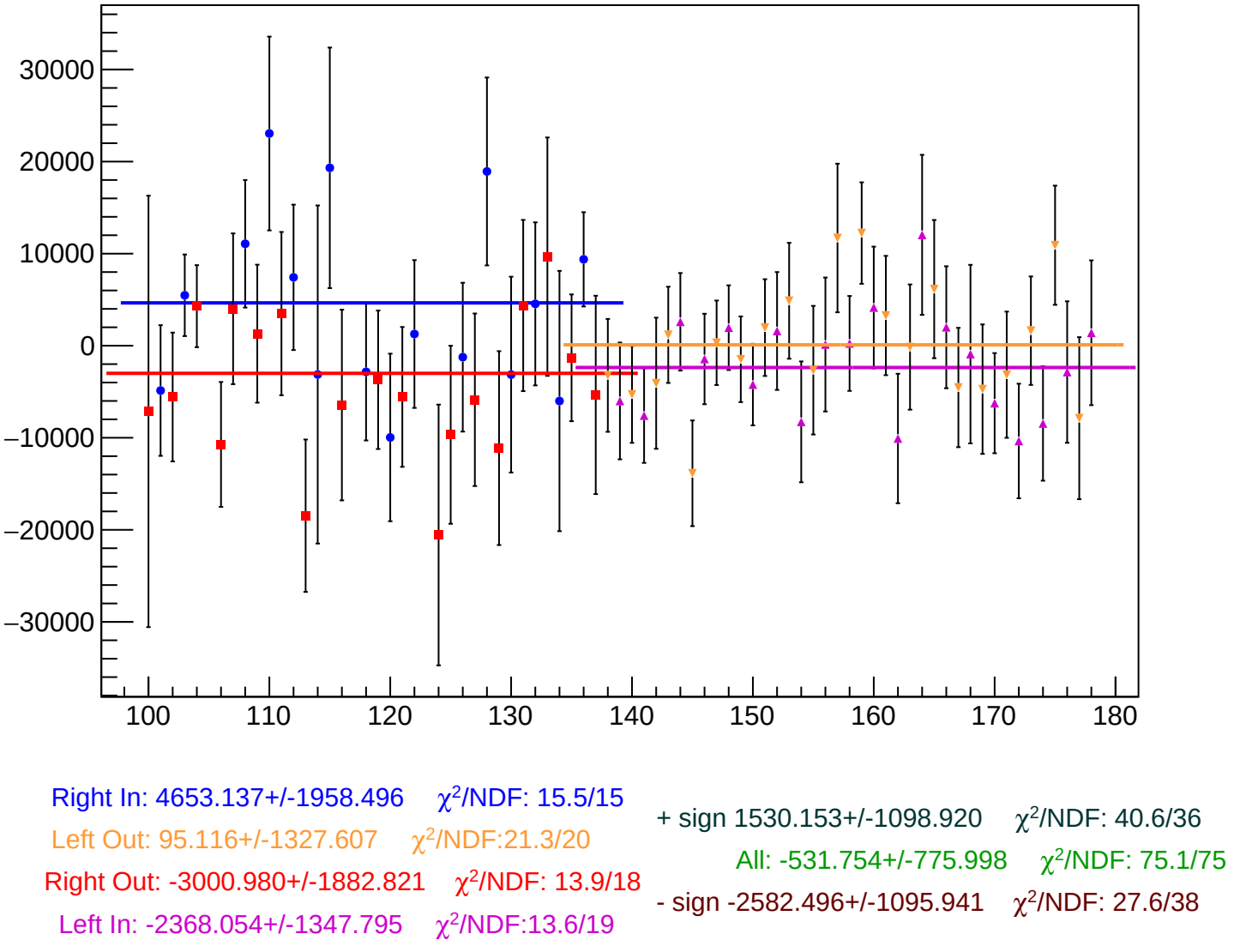
Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

Left In: 5286.733+/-0.944 χ^2/NDF:1067075.9/19

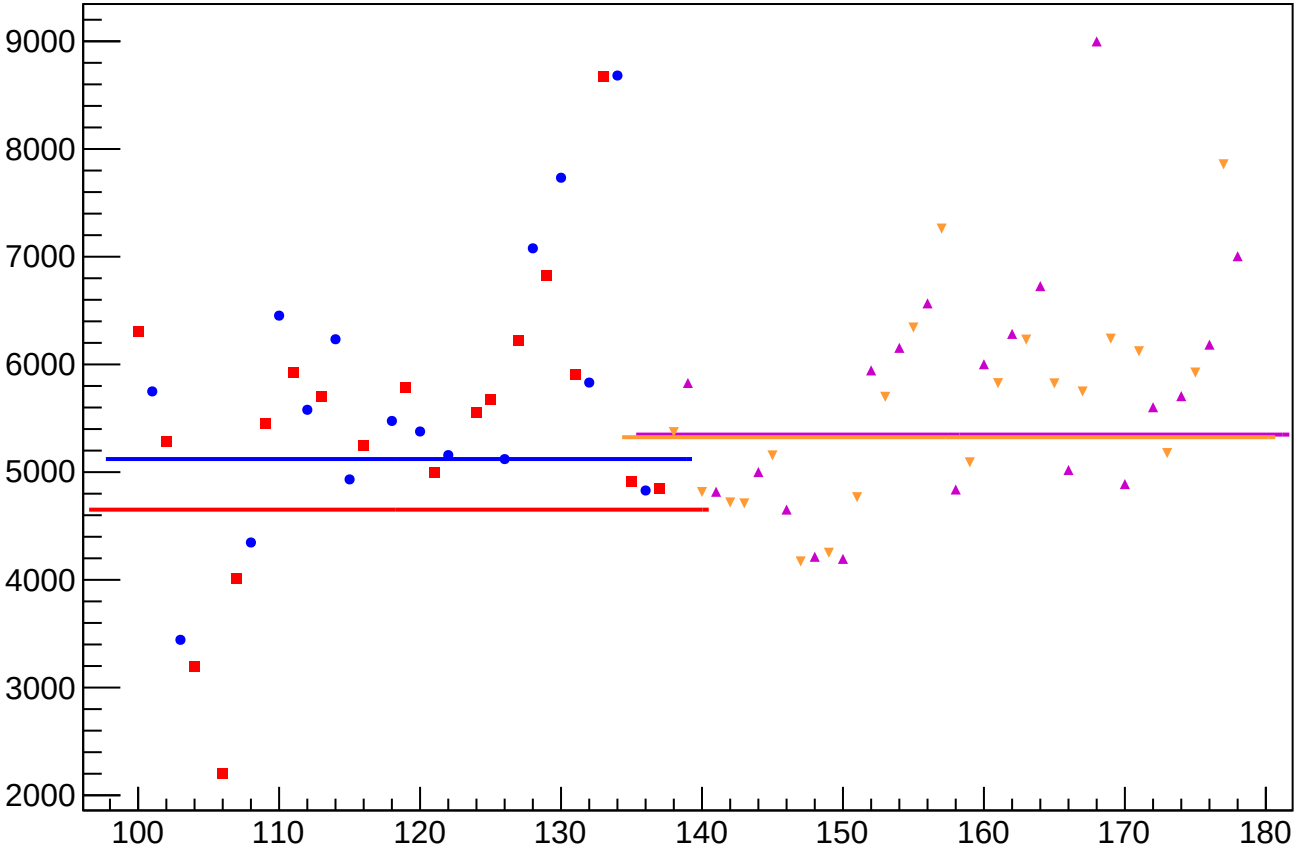
+ sign 5189.729+/-0.766 χ^2/NDF: 1430738.5/36

All: 5115.981+/-0.536 χ^2/NDF: 3557250.9/75

- sign 5045.343+/-0.750 χ^2/NDF: 2108386.1/38


asym_usr_atr2_avg_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
Right In: 4653.137+/-1958.496 χ²/NDF: 15.5/15
Left Out: 95.116+/-1327.607 χ²/NDF:21.3/20
Right Out: -3000.980+/-1882.821 χ²/NDF: 13.9/18
Left In: -2368.054+/-1347.795 χ²/NDF:13.6/19
+ sign 1530.153+/-1098.920 χ²/NDF: 40.6/36
All: -531.754+/-775.998 χ²/NDF: 75.1/75
- sign -2582.496+/-1095.941 χ²/NDF: 27.6/38

asym_usr_atr2_avg_rms vs Slug



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 5324.298+/-0.939 χ^2/NDF:796066.1/20

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

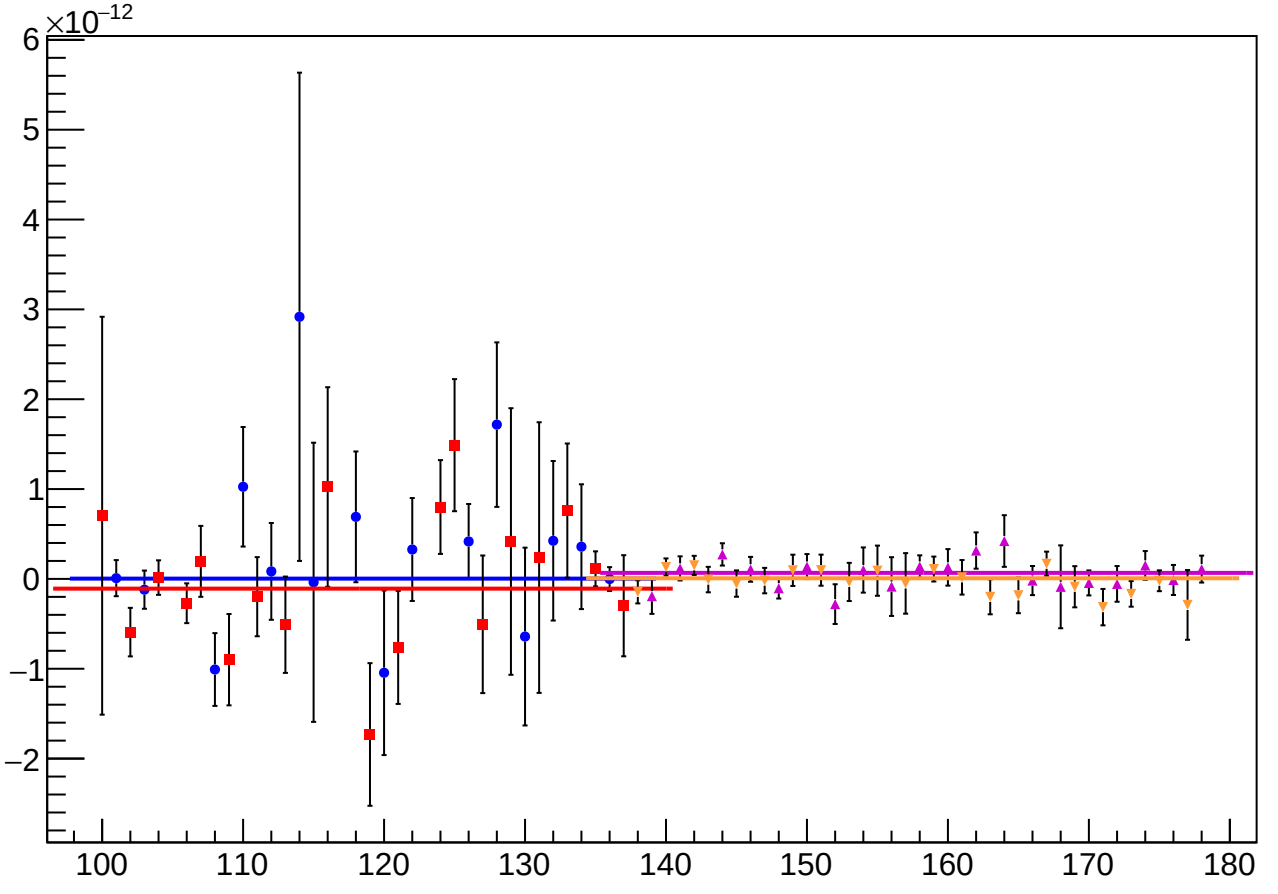
Left In: 5348.574+/-0.953 χ^2/NDF:991616.8/19

+ sign 5260.495+/-0.777 χ^2/NDF: 1531108.2/36

All: 5179.006+/-0.545 χ^2/NDF: 4079845.7/75

- sign 5100.130+/-0.764 χ^2/NDF: 2527095.2/38

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:14.7/20

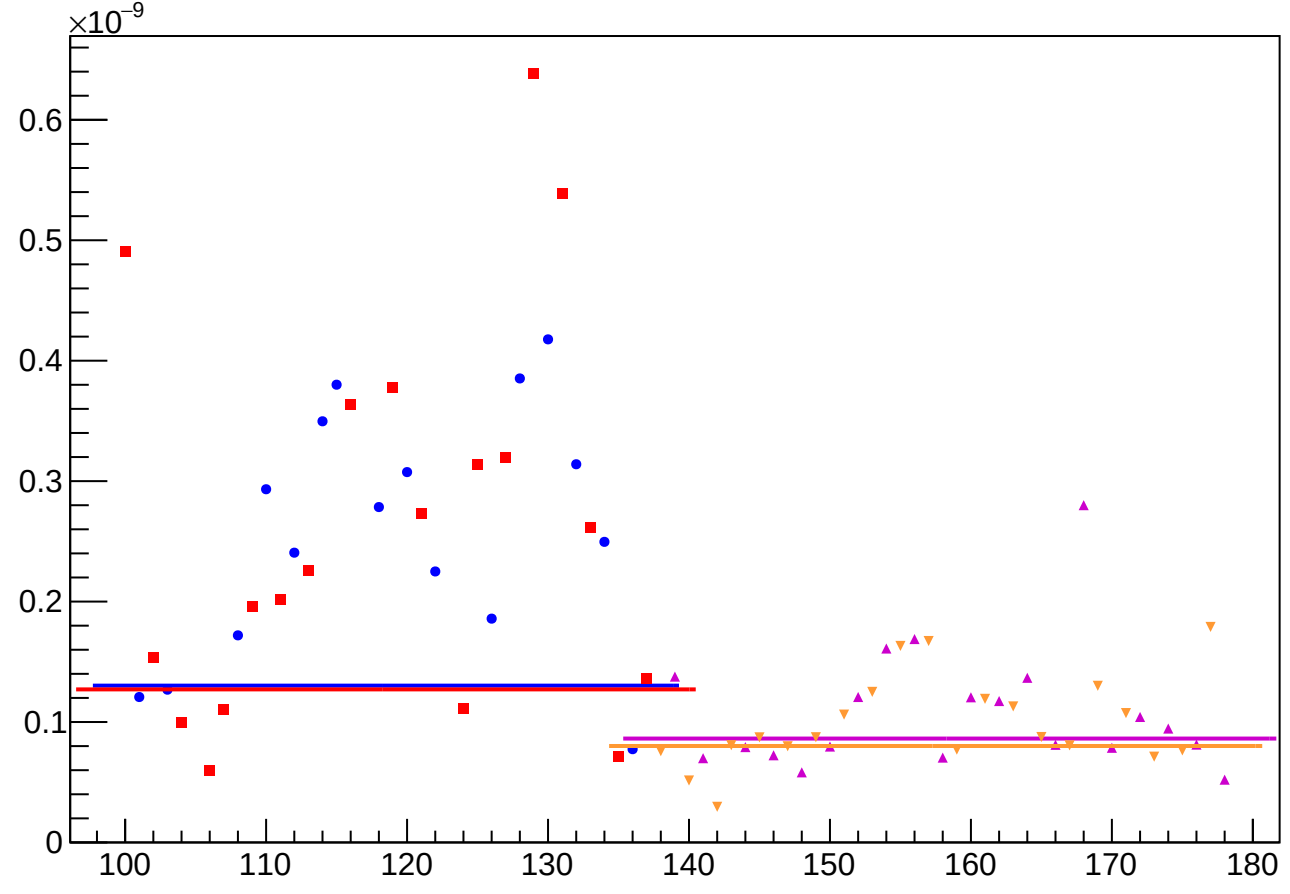
Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:15.3/19

+ sign 0.000+/-0.000 χ^2/NDF: 32.7/36

All: 0.000+/-0.000 χ^2/NDF: 77.0/75

- sign 0.000+/-0.000 χ^2/NDF: 43.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 1329229.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1500751.7/20

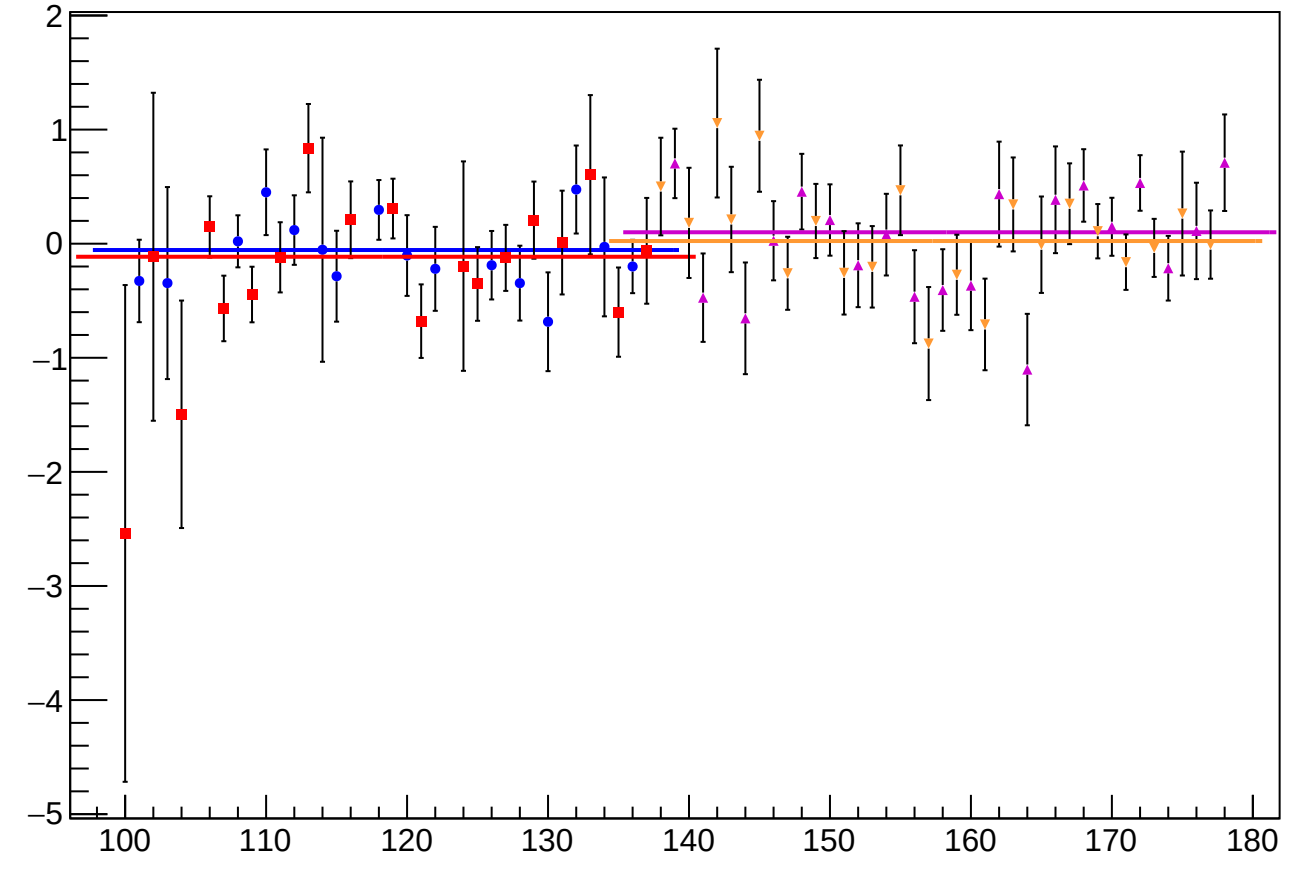
Right Out: 0.000+/-0.000 χ^2/NDF: 1734331.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1355500.4/19

+ sign 0.000+/-0.000 χ^2/NDF: 3412352.2/36

All: 0.000+/-0.000 χ^2/NDF: 6884777.2/75

- sign 0.000+/-0.000 χ^2/NDF: 3444975.8/38



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.023+/-0.078 χ^2/NDF:20.7/20

Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

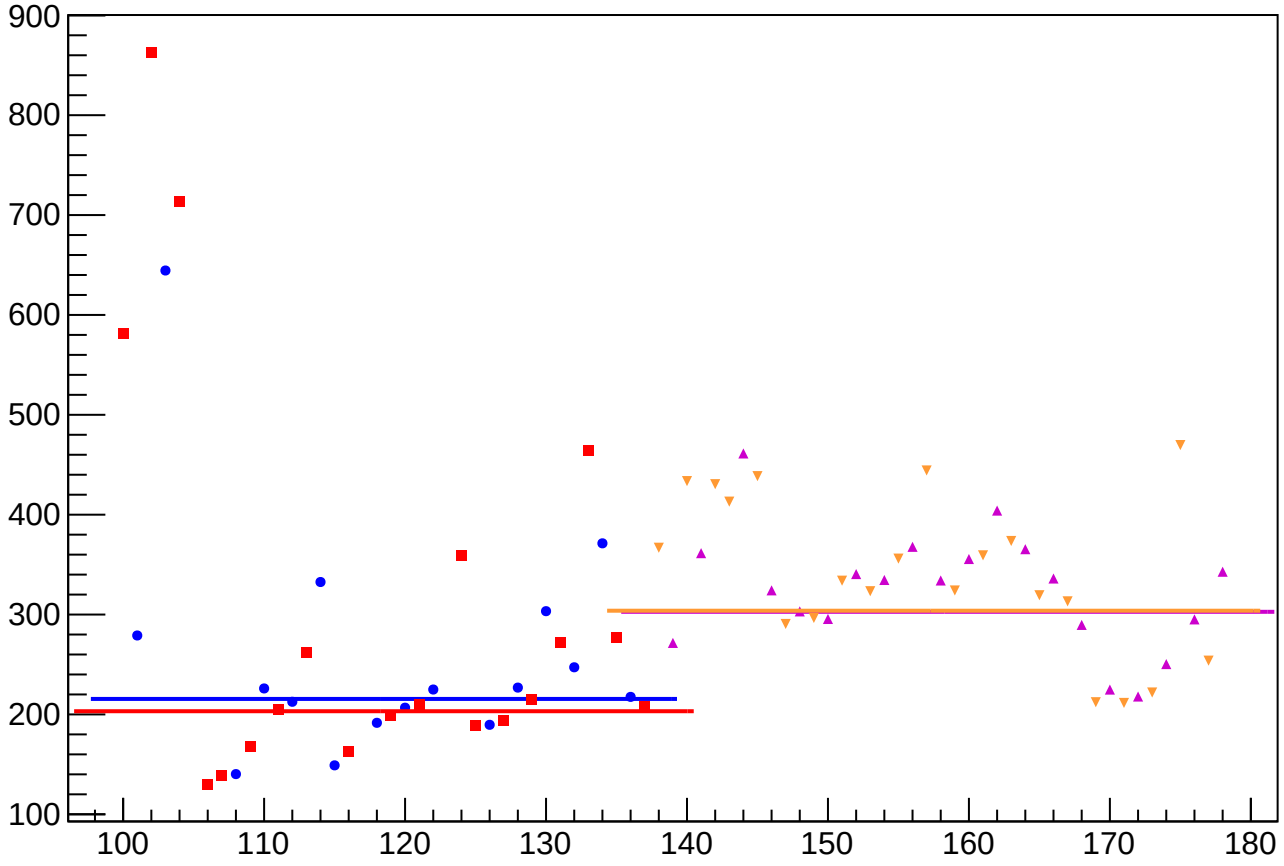
Left In: 0.100+/-0.078 χ^2/NDF:30.9/19

+ sign -0.012+/-0.058 χ^2/NDF: 31.8/36

All: -0.006+/-0.040 χ^2/NDF: 91.5/75

- sign -0.000+/-0.057 χ^2/NDF: 59.7/38

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: 303.853+/-0.055 χ^2/NDF:1887168.9/20

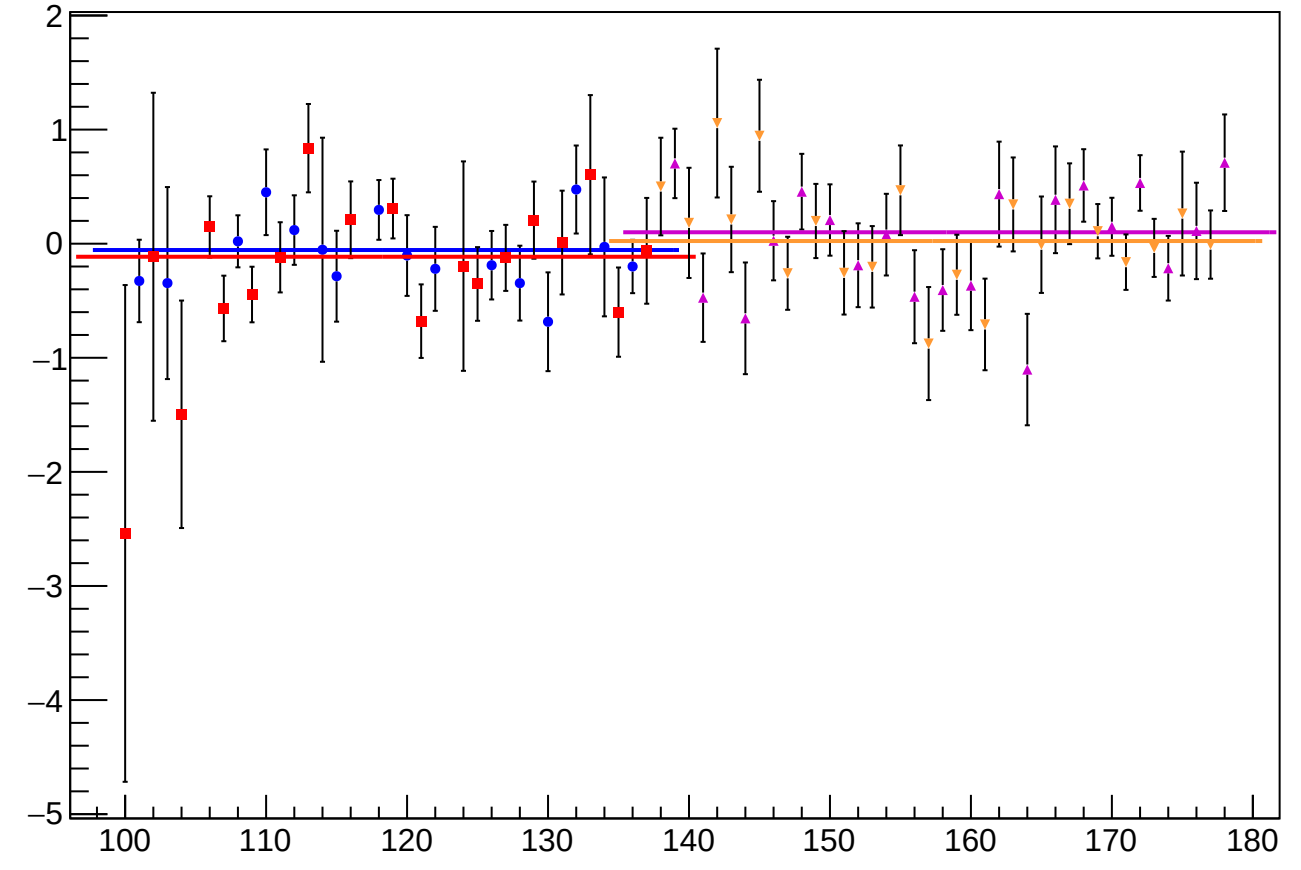
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 302.746+/-0.055 χ^2/NDF:1086209.0/19

+ sign 263.724+/-0.041 χ^2/NDF: 4201701.3/36

All: 259.904+/-0.029 χ^2/NDF: 8663531.5/75

- sign 256.173+/-0.040 χ^2/NDF: 4444443.9/38



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.023+/-0.078 χ^2/NDF:20.7/20

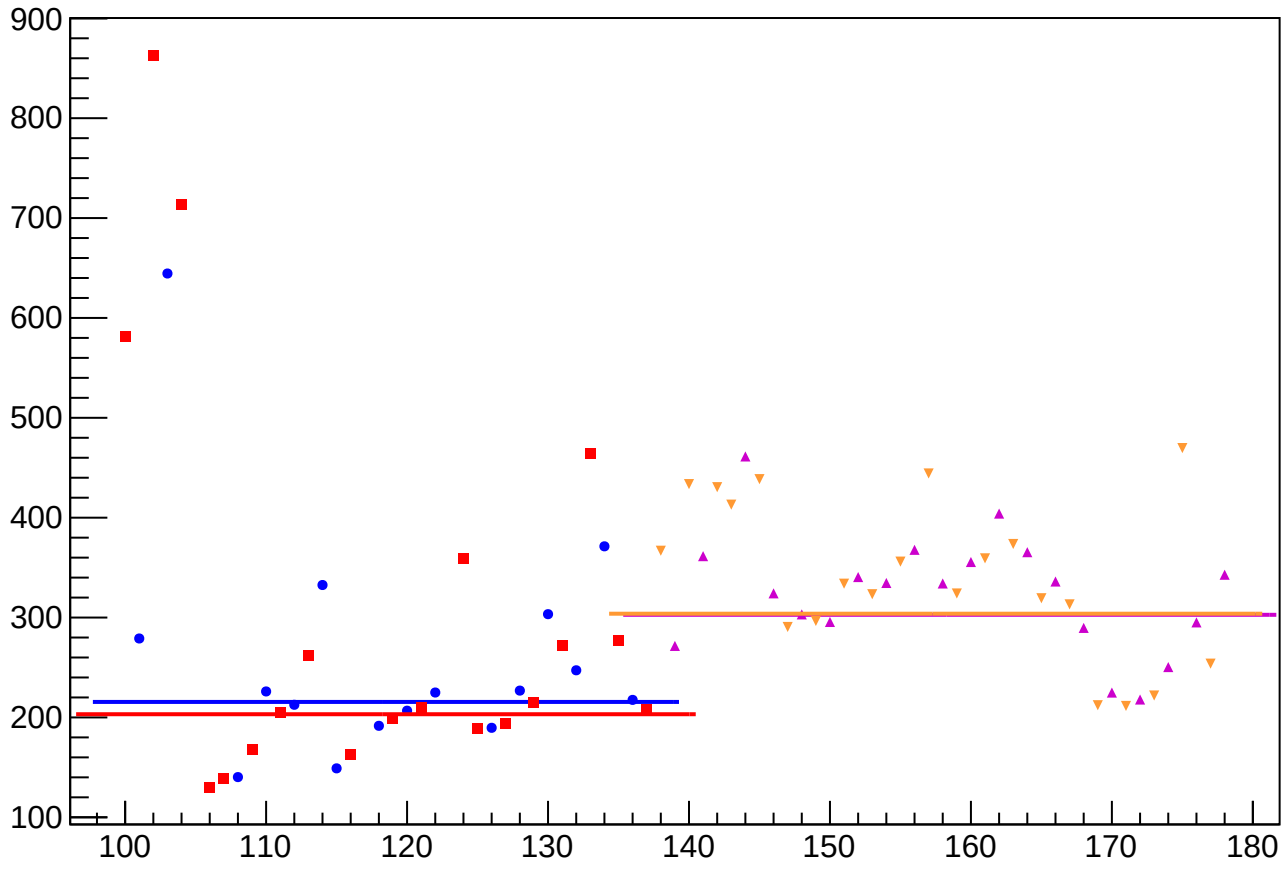
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.100+/-0.078 χ^2/NDF:30.9/19

+ sign -0.012+/-0.058 χ^2/NDF: 31.8/36

All: -0.006+/-0.040 χ^2/NDF: 91.5/75

- sign -0.000+/-0.057 χ^2/NDF: 59.7/38



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 303.853+/-0.055 χ^2/NDF:1887168.9/20

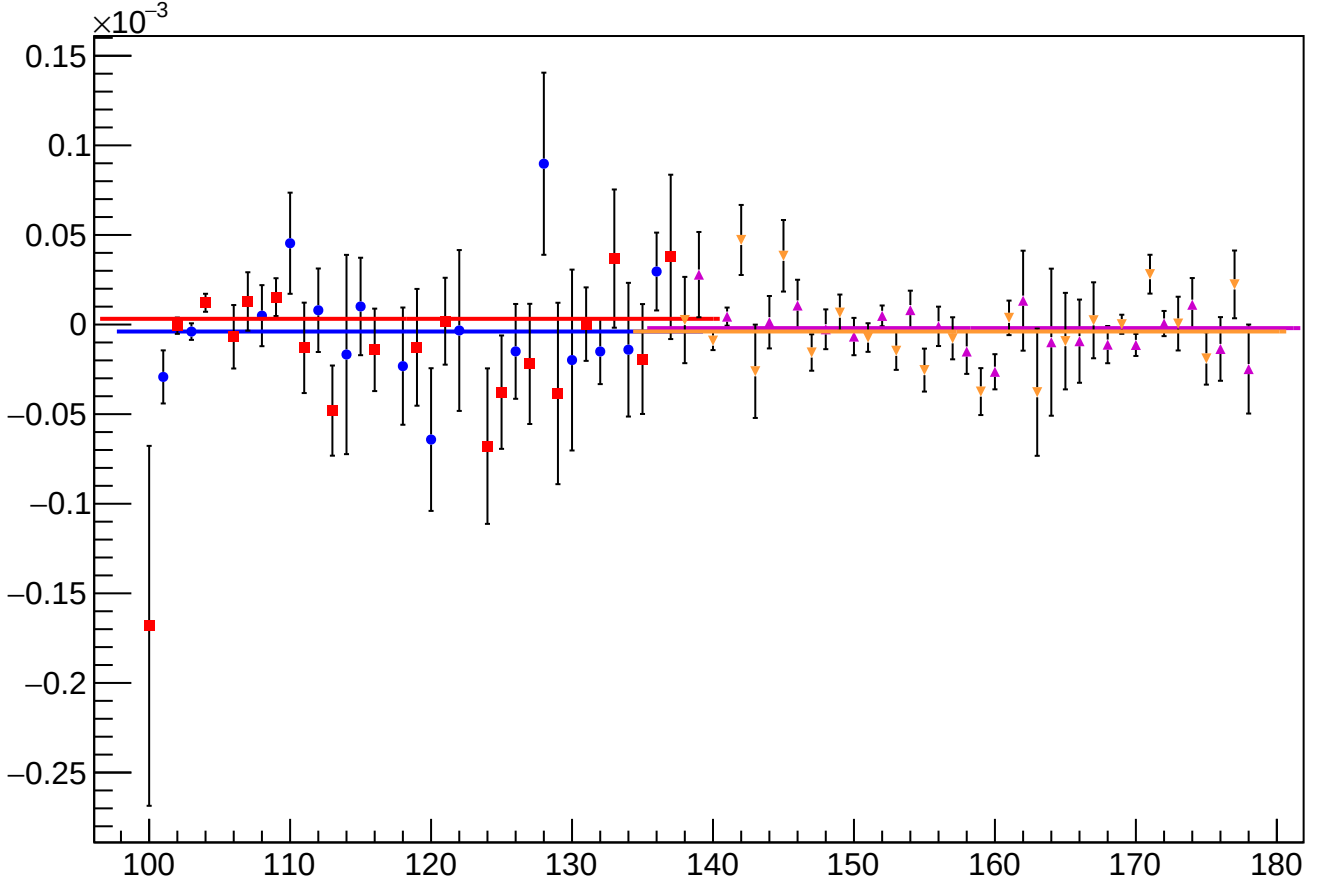
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 302.746+/-0.055 χ^2/NDF:1086209.0/19

+ sign 263.724+/-0.041 χ^2/NDF: 4201701.3/36

All: 259.904+/-0.029 χ^2/NDF: 8663531.5/75

- sign 256.173+/-0.040 χ^2/NDF: 4444443.9/38



Right In: -0.000+/-0.000 χ^2/NDF: 16.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:40.6/20

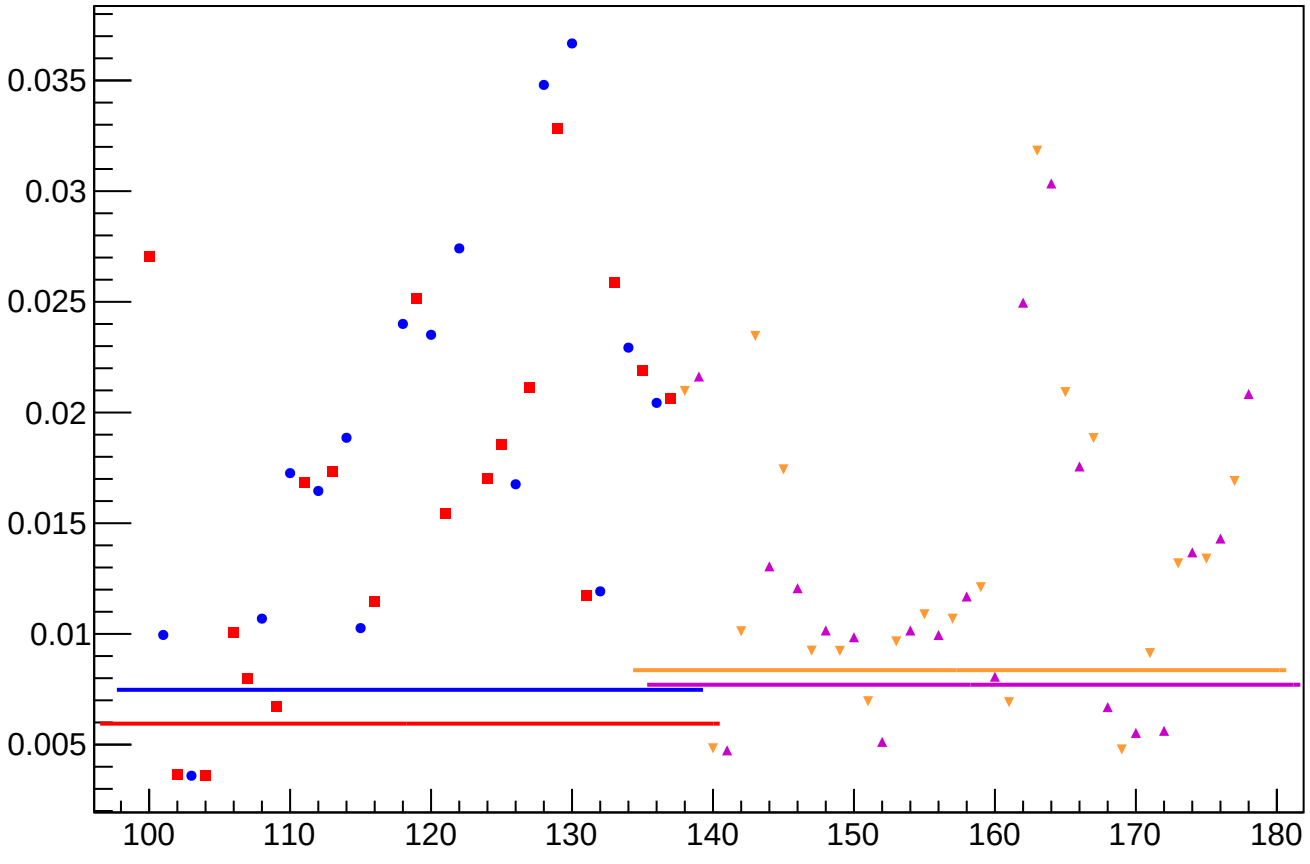
Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: -0.000+/-0.000 χ^2/NDF:19.5/19

+ sign -0.000+/-0.000 χ^2/NDF: 56.5/36

All: -0.000+/-0.000 χ^2/NDF: 101.7/75

- sign -0.000+/-0.000 χ^2/NDF: 43.1/38



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:6610329.6/20

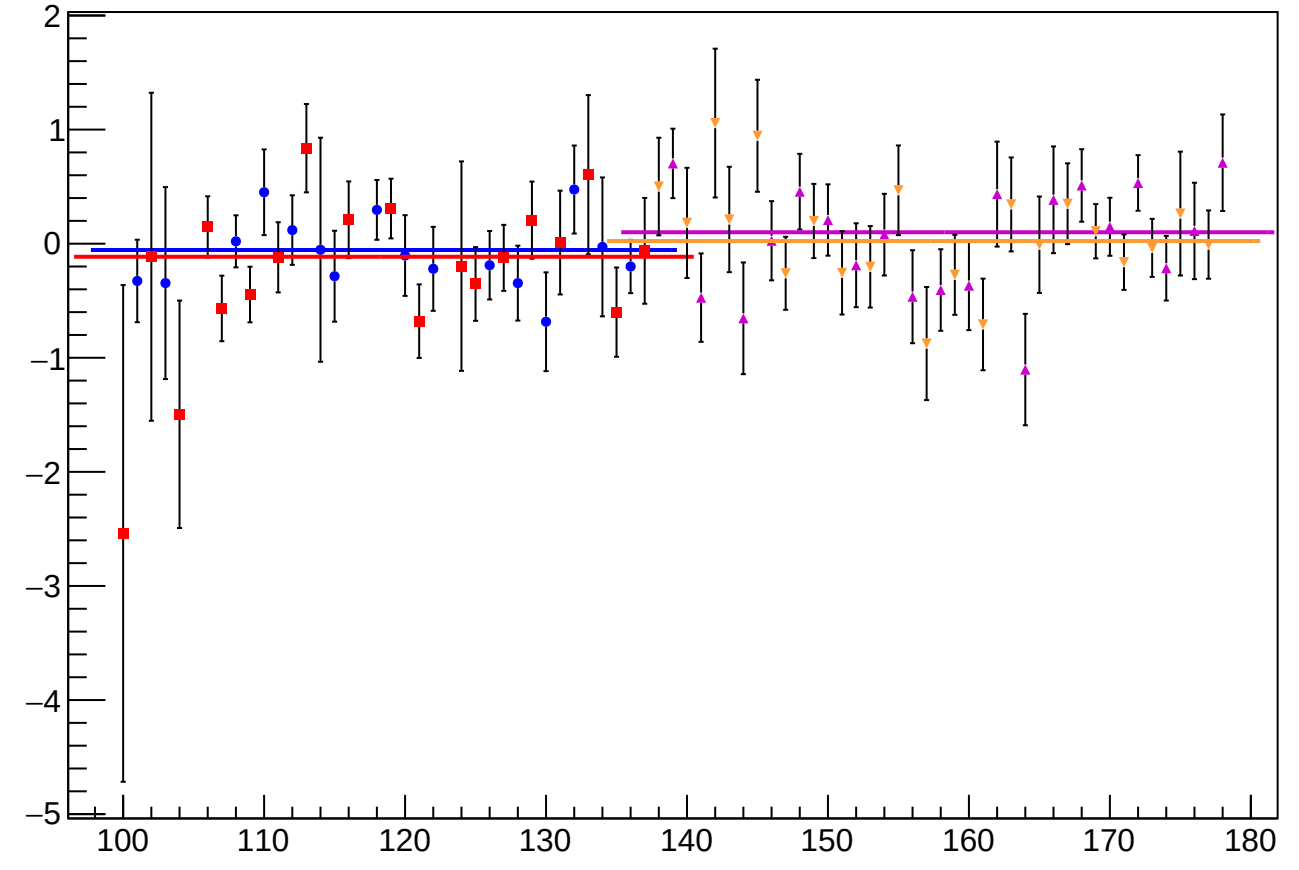
Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.008+/-0.000 χ^2/NDF:6135387.8/19

+ sign 0.008+/-0.000 χ^2/NDF: 12765355.9/36

All: 0.008+/-0.000 χ^2/NDF: 25613710.0/75

- sign 0.007+/-0.000 χ^2/NDF: 12530990.4/38



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.023+/-0.078 χ^2/NDF:20.7/20

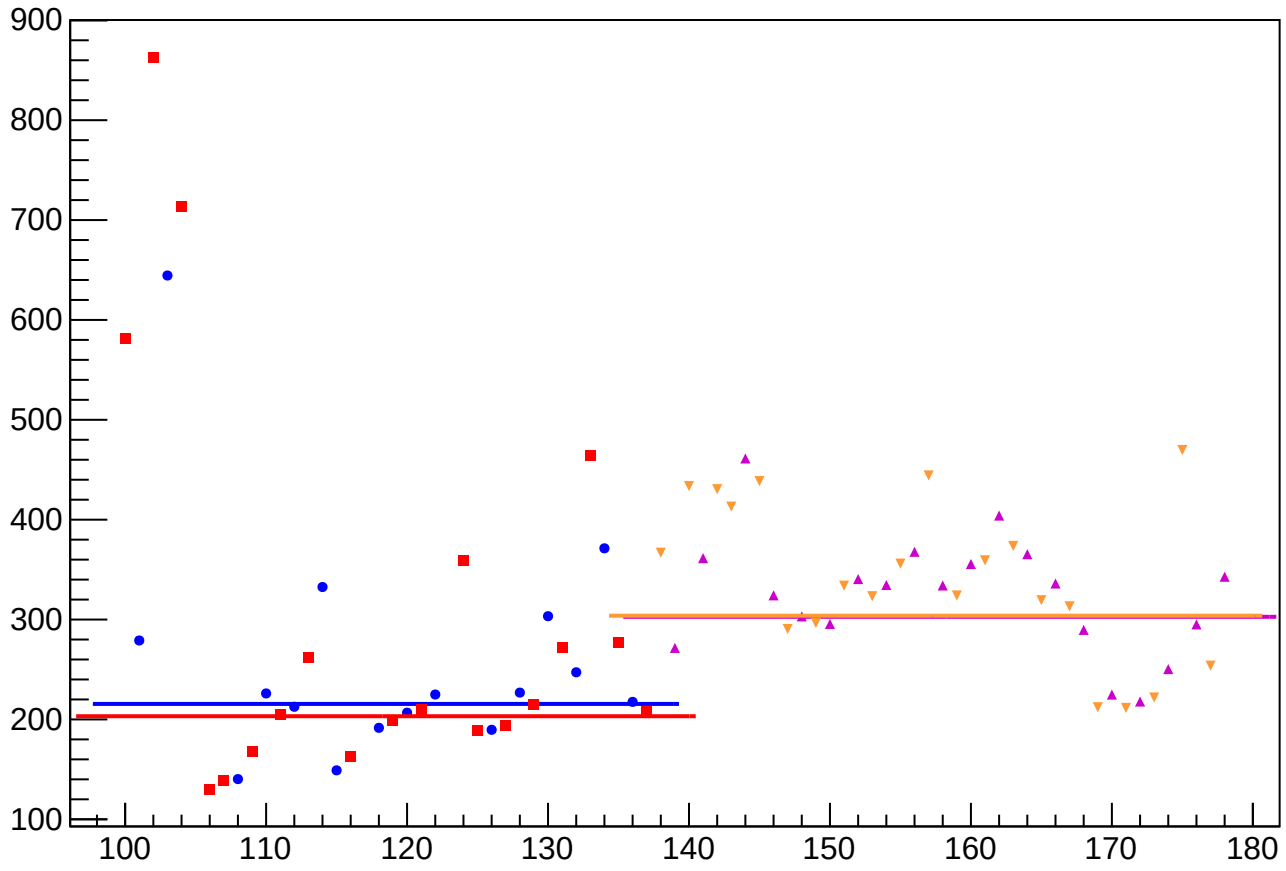
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.100+/-0.078 χ^2/NDF:30.9/19

+ sign -0.012+/-0.058 χ^2/NDF: 31.8/36

All: -0.006+/-0.040 χ^2/NDF: 91.5/75

- sign -0.000+/-0.057 χ^2/NDF: 59.7/38



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 303.856+/-0.055 χ^2/NDF:1887252.1/20

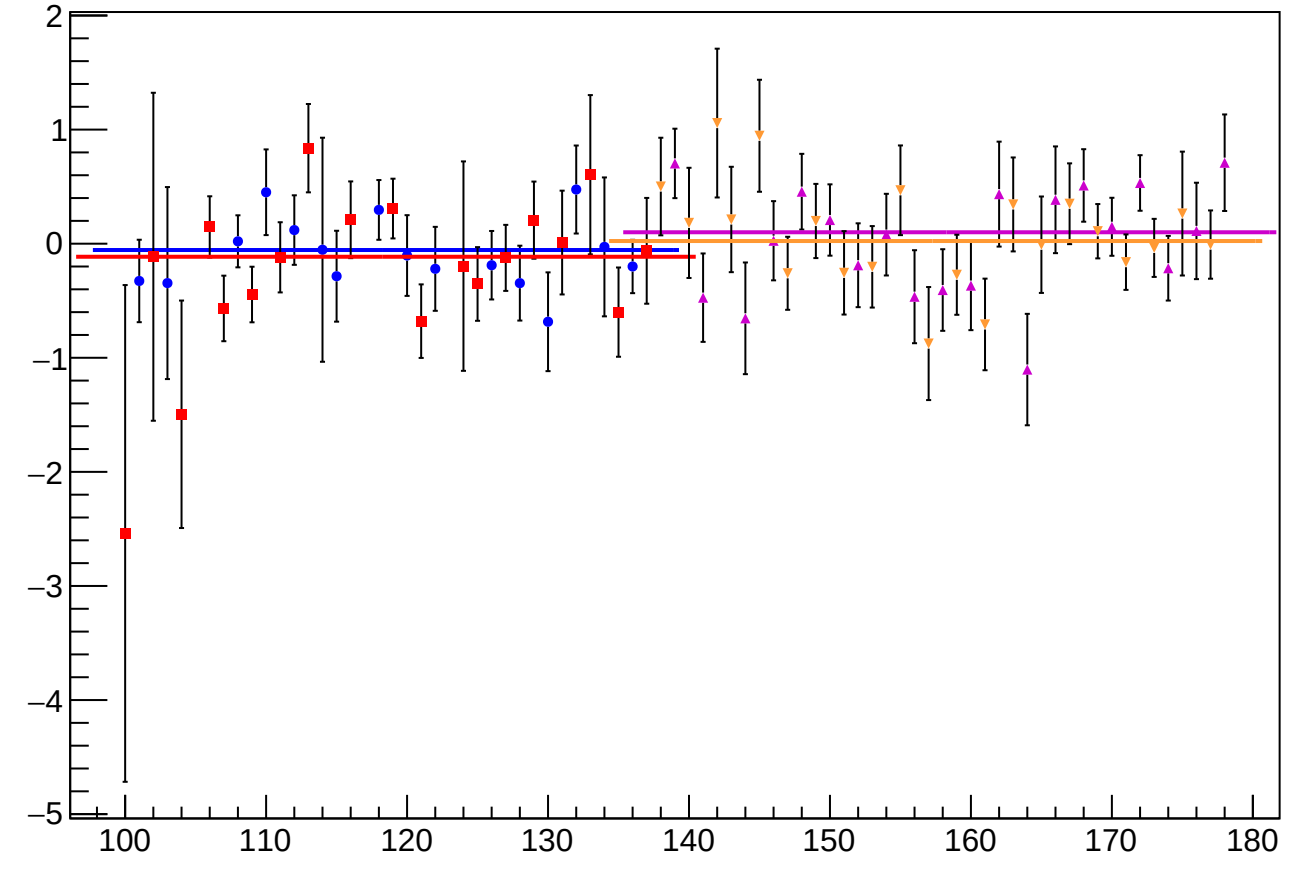
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 302.750+/-0.055 χ^2/NDF:1086259.2/19

+ sign 263.725+/-0.041 χ^2/NDF: 4201868.6/36

All: 259.904+/-0.029 χ^2/NDF: 8663877.4/75

- sign 256.174+/-0.040 χ^2/NDF: 4444621.5/38



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.023+/-0.078 χ^2/NDF:20.7/20

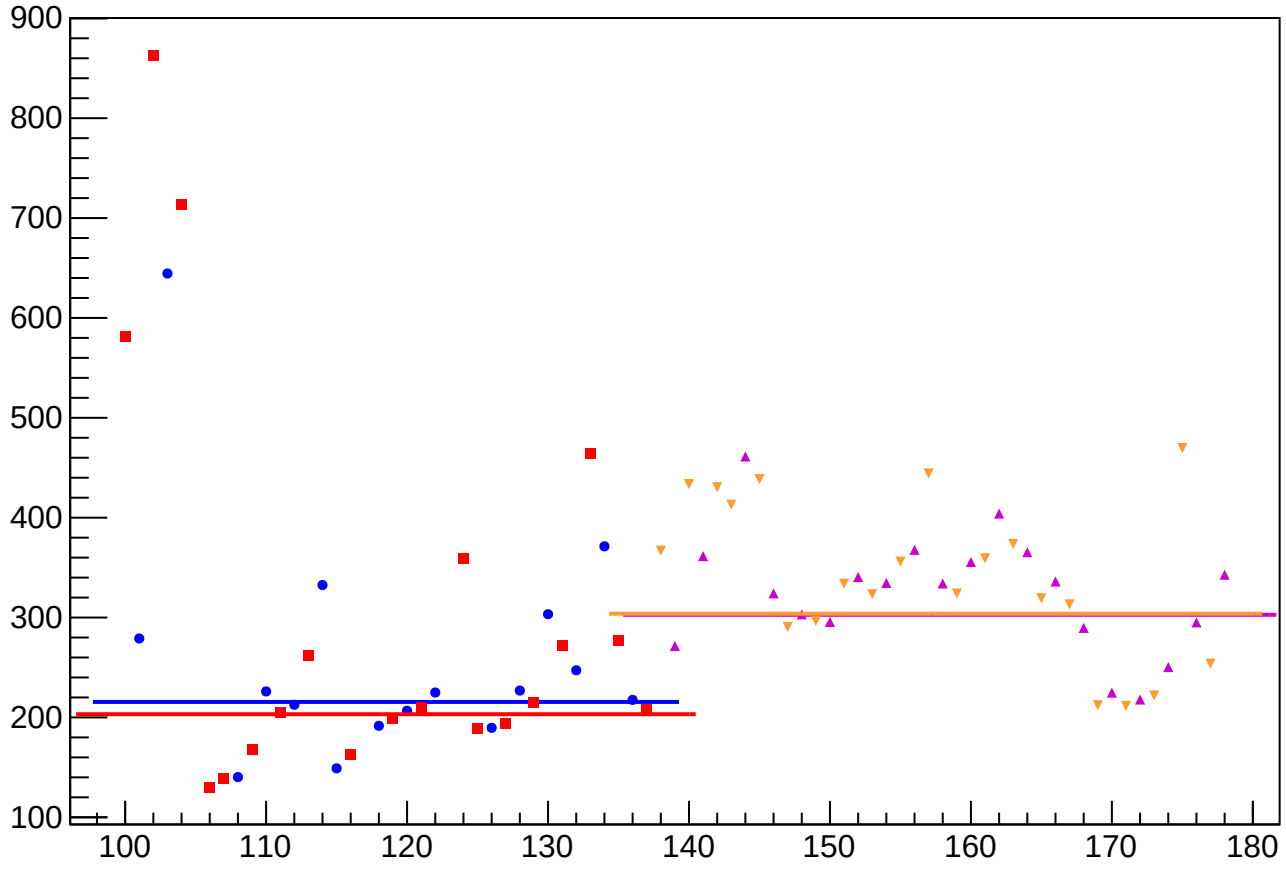
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.100+/-0.078 χ^2/NDF:30.9/19

+ sign -0.012+/-0.058 χ^2/NDF: 31.8/36

All: -0.006+/-0.040 χ^2/NDF: 91.5/75

- sign -0.000+/-0.057 χ^2/NDF: 59.7/38



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 303.856+/-0.055 χ^2/NDF:1887252.1/20

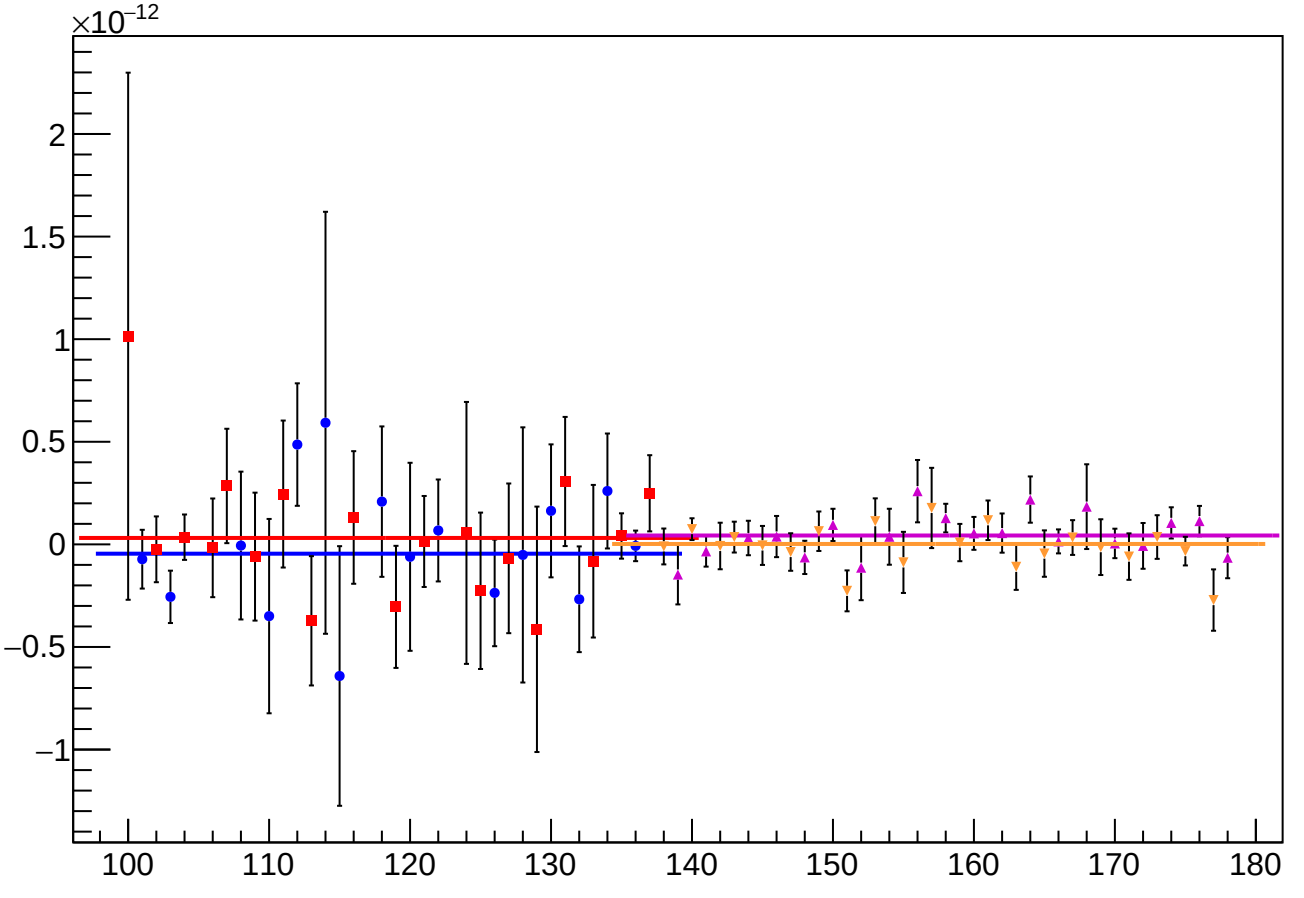
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 302.750+/-0.055 χ^2/NDF:1086259.2/19

+ sign 263.725+/-0.041 χ^2/NDF: 4201868.6/36

All: 259.904+/-0.029 χ^2/NDF: 8663877.4/75

- sign 256.174+/-0.040 χ^2/NDF: 4444621.5/38



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.8/20

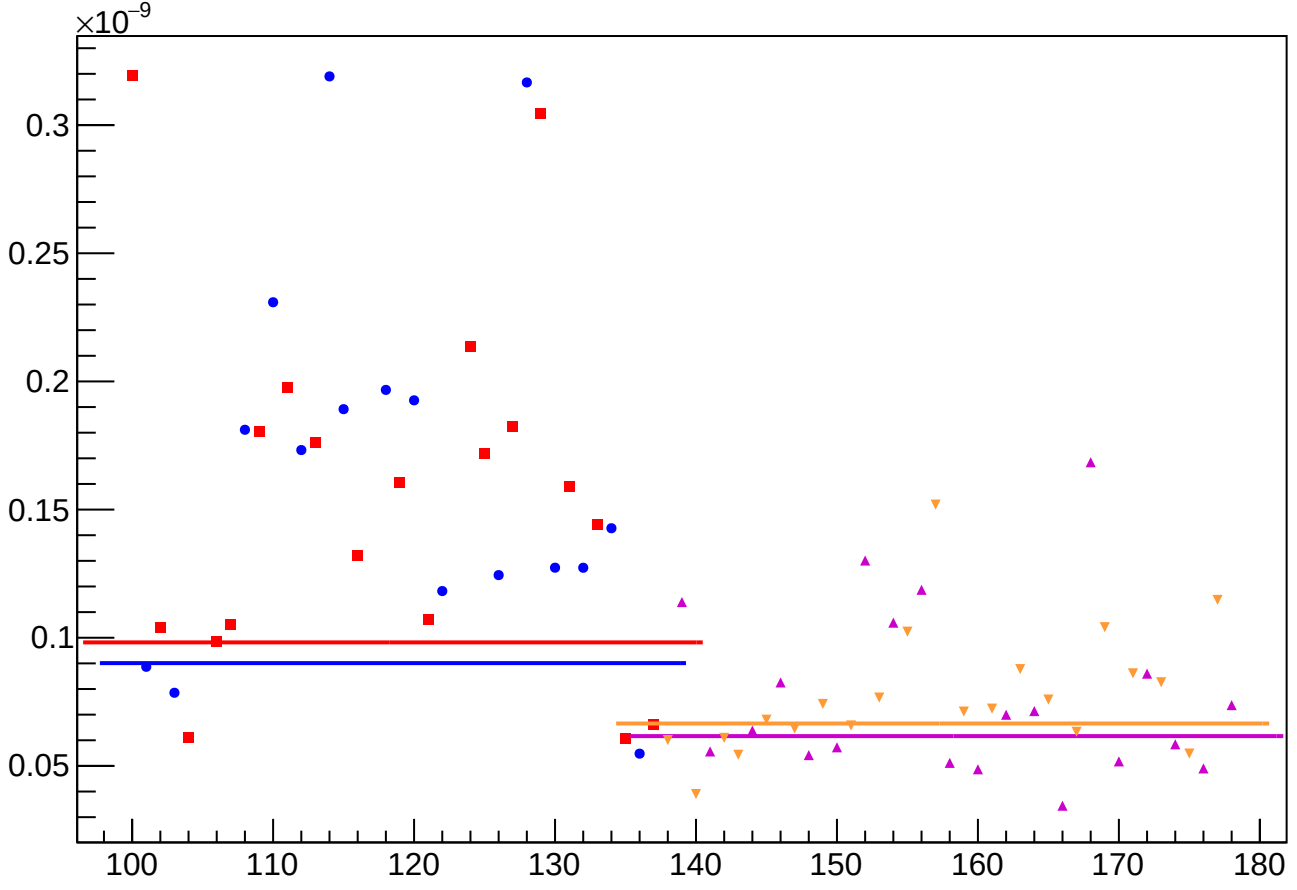
Right Out: 0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: 0.000+/-0.000 χ^2/NDF:15.8/19

+ sign -0.000+/-0.000 χ^2/NDF: 29.1/36

All: 0.000+/-0.000 χ^2/NDF: 56.3/75

- sign 0.000+/-0.000 χ^2/NDF: 24.2/38



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1757318.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

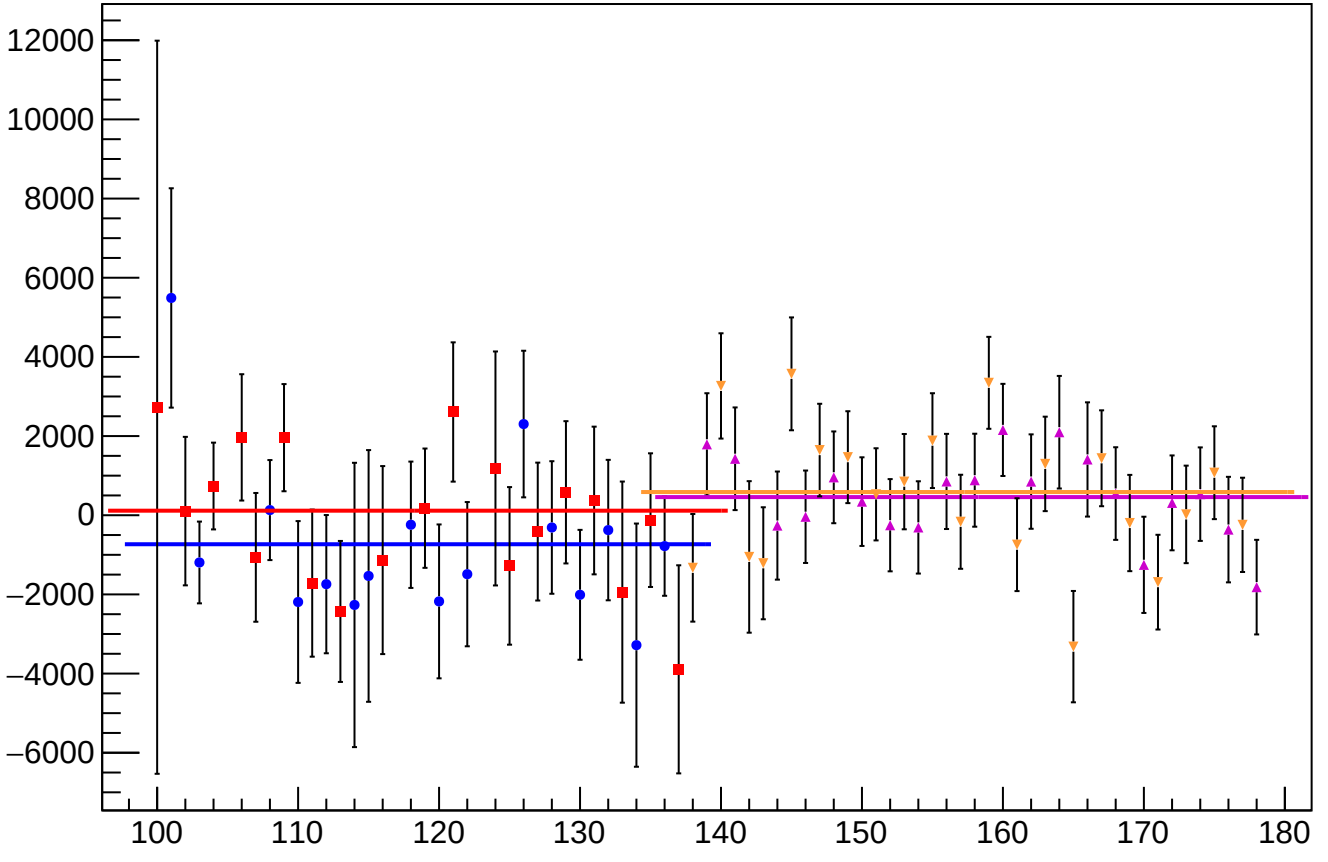
Left In: 0.000+/-0.000 χ^2/NDF:2566452.4/19

+ sign 0.000+/-0.000 χ^2/NDF: 3944421.0/36

All: 0.000+/-0.000 χ^2/NDF: 9103896.0/75

- sign 0.000+/-0.000 χ^2/NDF: 5121011.2/38

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -732.747+/-427.384 χ^2/NDF: 11.7/15

Left Out: 586.297+/-272.155 χ^2/NDF:36.2/20

Right Out: 115.040+/-411.437 χ^2/NDF: 13.1/18

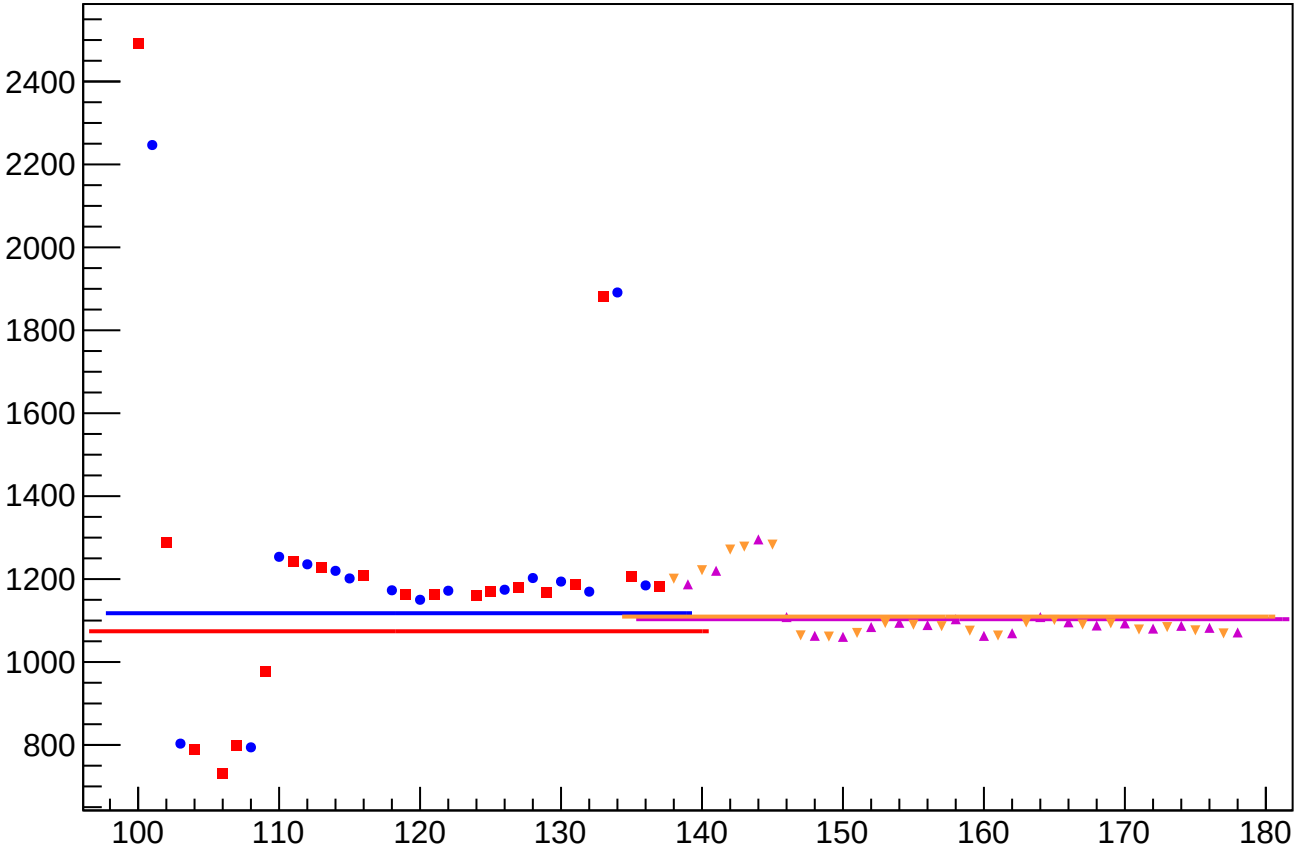
Left In: 458.404+/-273.219 χ^2/NDF:13.3/19

+ sign 205.737+/-229.562 χ^2/NDF: 54.7/36

All: 280.163+/-161.629 χ^2/NDF: 81.8/75

- sign 353.326+/-227.605 χ^2/NDF: 26.9/38

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1109.533+/-0.192 χ^2/NDF:117969.5/20

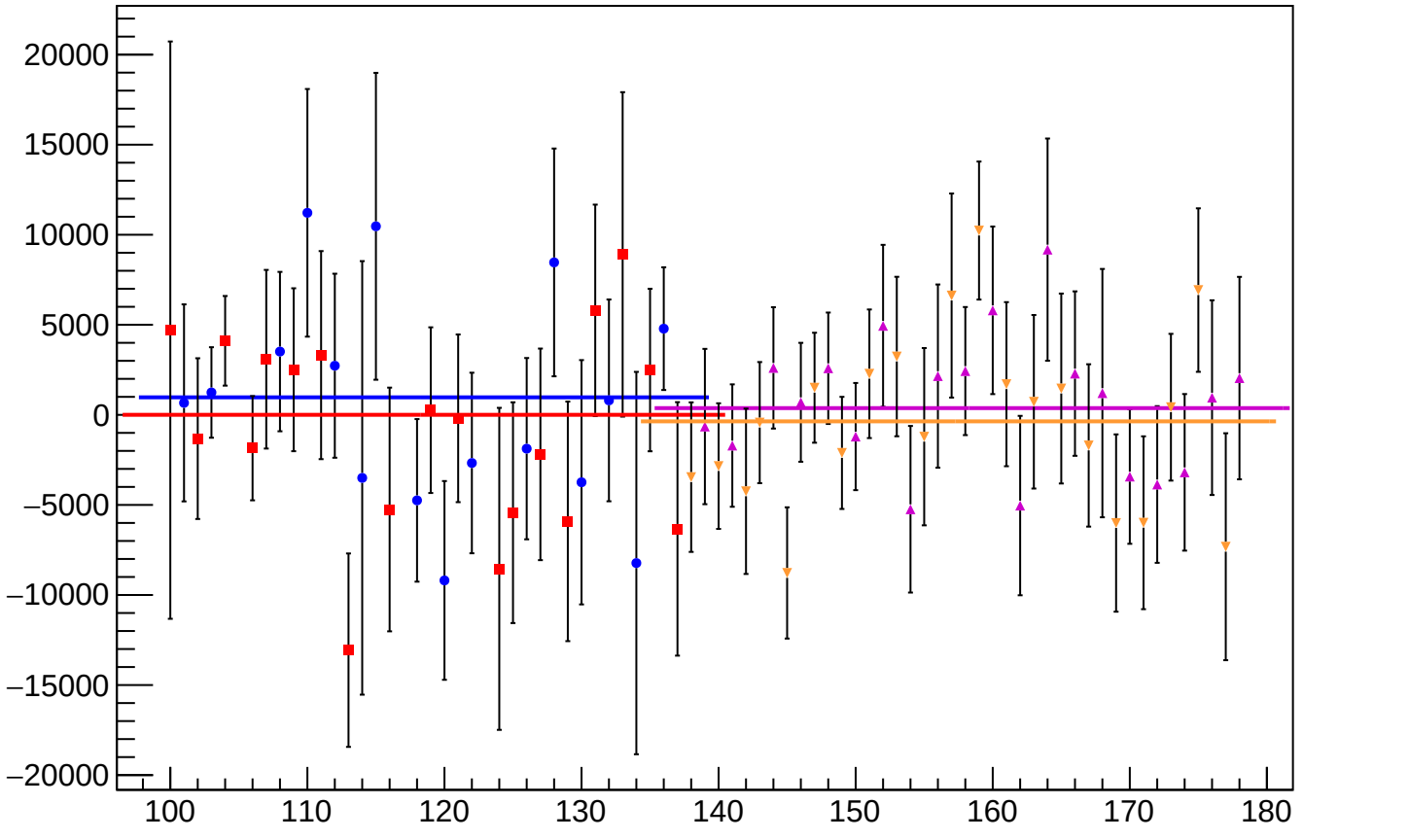
Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1103.266+/-0.193 χ^2/NDF:78208.2/19

+ sign 1111.885+/-0.162 χ^2/NDF: 938322.1/36

All: 1102.970+/-0.114 χ^2/NDF: 1679036.3/75

- sign 1094.252+/-0.161 χ^2/NDF: 734748.8/38



Right In: 973.755+/-1232.754 χ^2/NDF: 13.8/15

Left Out: -360.083+/-902.589 χ^2/NDF:25.2/20

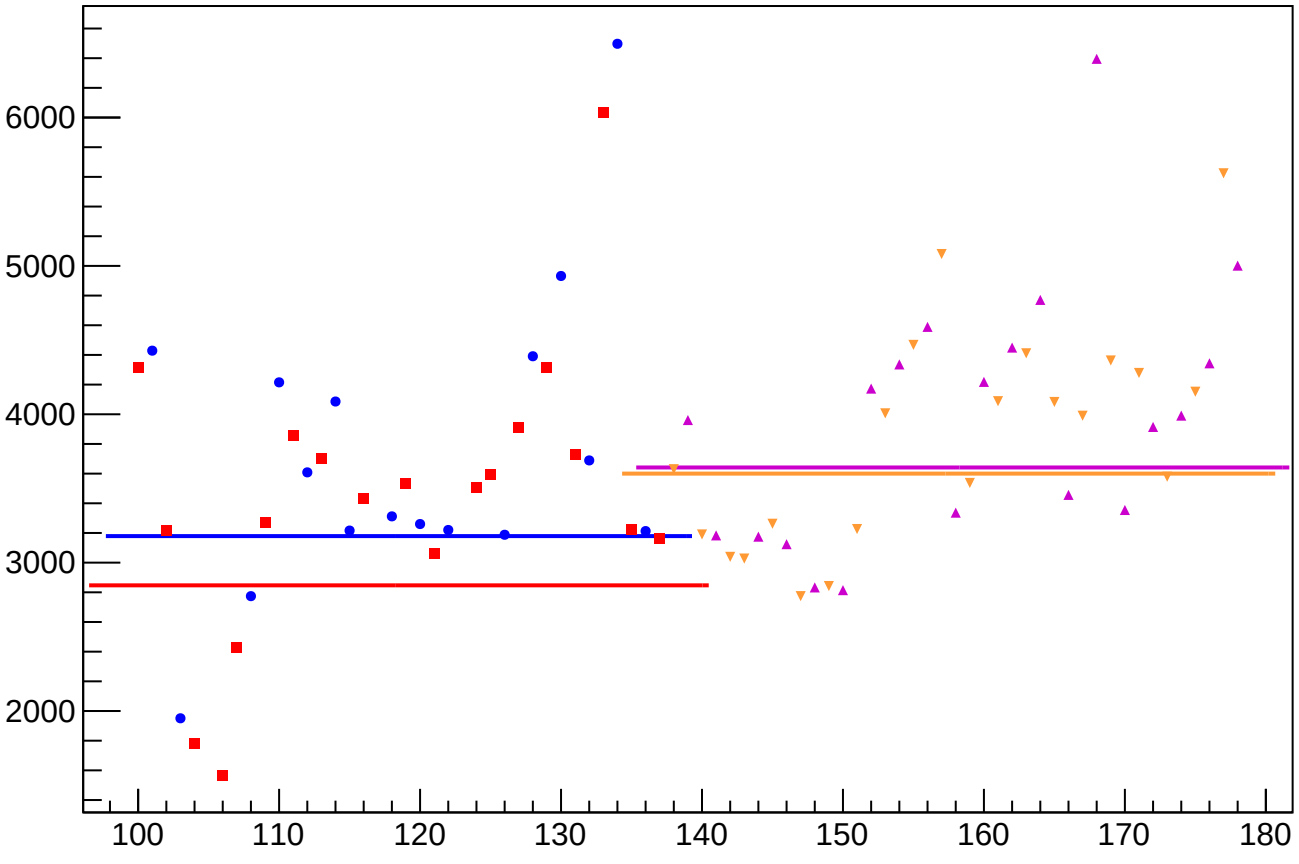
Right Out: 2.885+/-1113.897 χ^2/NDF: 16.6/18

Left In: 375.077+/-921.667 χ^2/NDF:12.2/19

+ sign 105.415+/-728.255 χ^2/NDF: 39.8/36

All: 166.111+/-508.415 χ^2/NDF: 68.6/75

- sign 223.819+/-710.103 χ^2/NDF: 28.8/38



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3600.027+/-0.638 χ^2/NDF:1071286.5/20

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

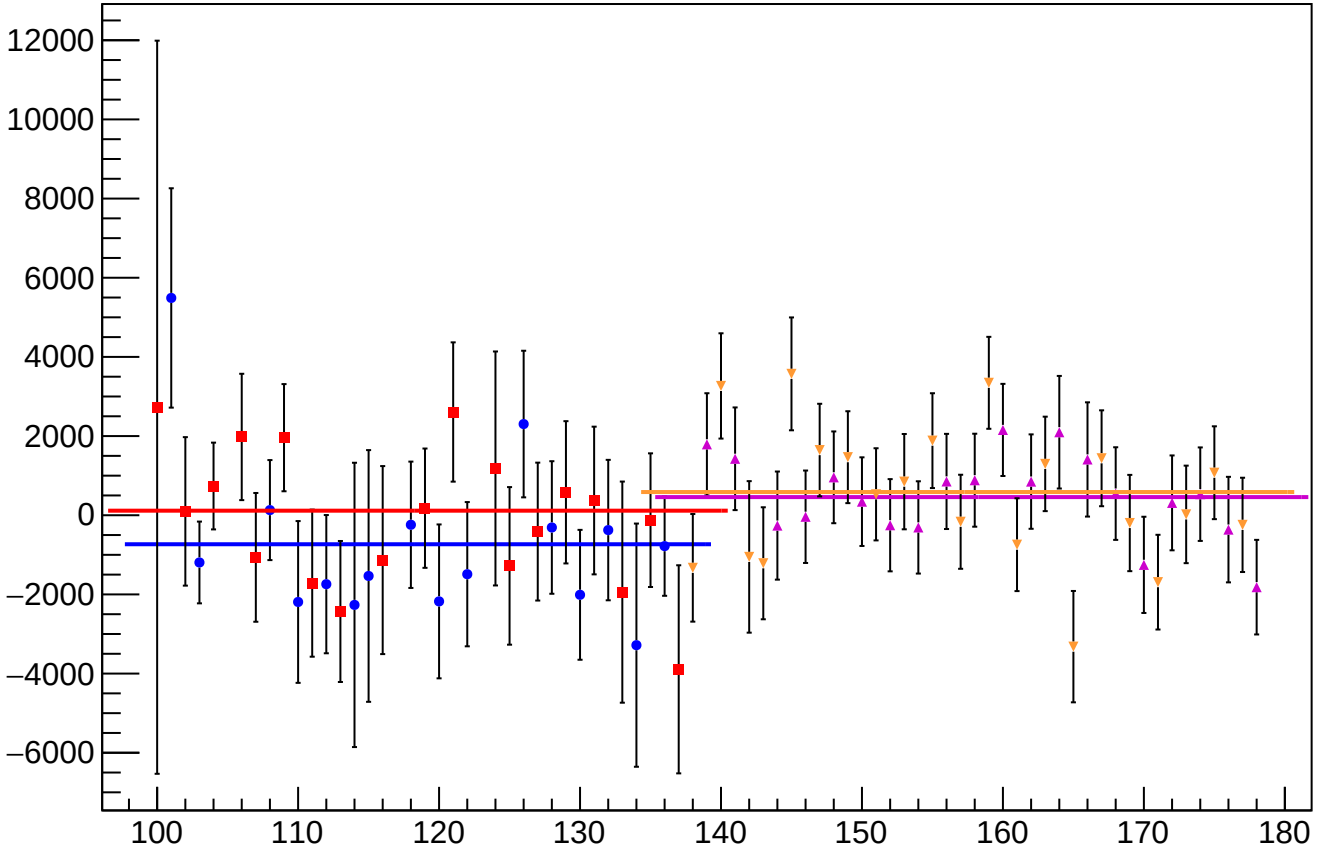
Left In: 3641.421+/-0.652 χ^2/NDF:1239626.9/19

\+ sign 3453.047+/-0.515 χ^2/NDF: 2314931.2/36

All: 3384.114+/-0.360 χ^2/NDF: 5704510.1/75

\- sign 3318.576+/-0.502 χ^2/NDF: 3354623.5/38

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 586.347+/-272.155 χ^2/NDF:36.2/20

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

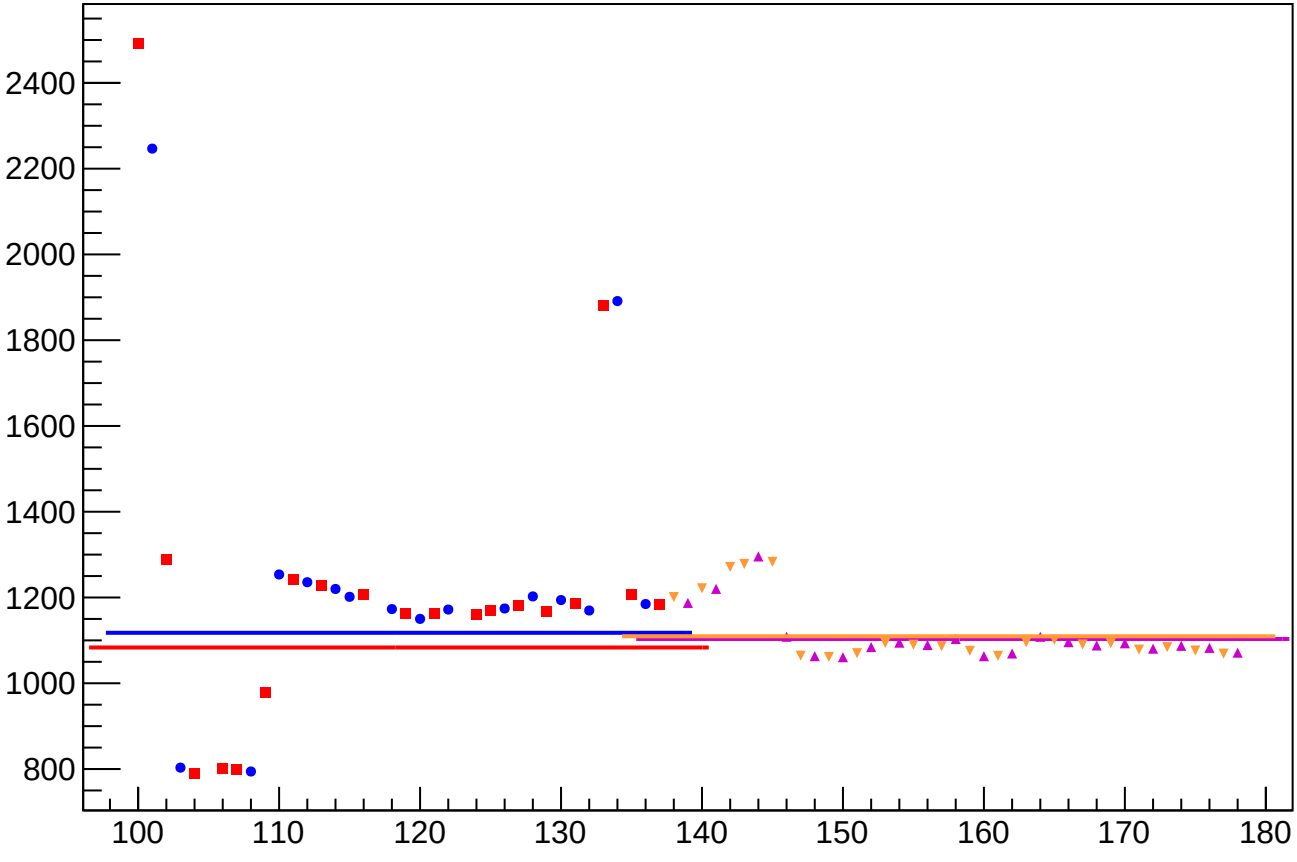
Left In: 458.334+/-273.219 χ^2/NDF:13.3/19

+ sign 205.792+/-229.562 χ^2/NDF: 54.7/36

All: 280.208+/-161.629 χ^2/NDF: 81.8/75

- sign 353.360+/-227.606 χ^2/NDF: 27.0/38

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1109.533+/-0.192 χ^2/NDF:117969.5/20

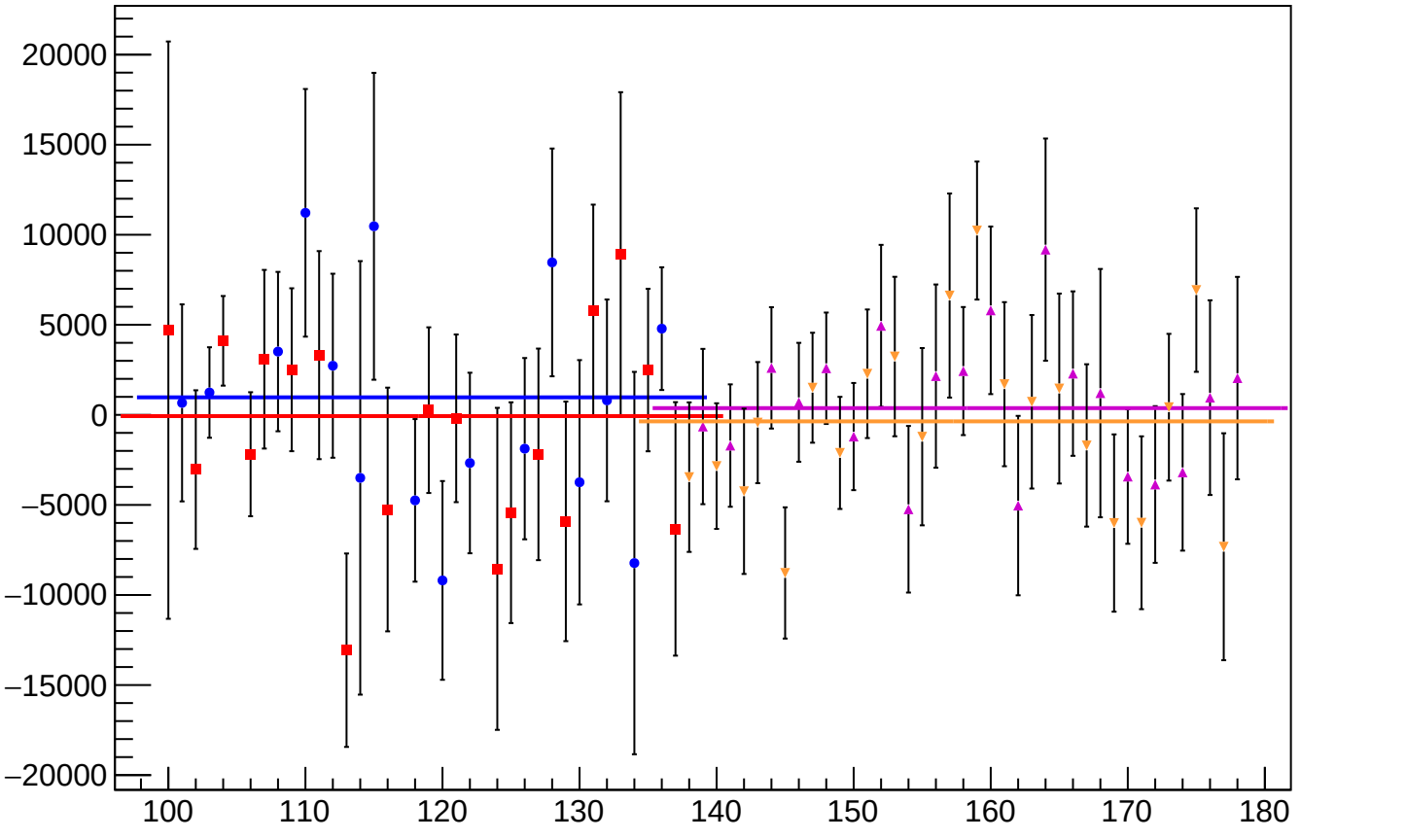
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1103.266+/-0.193 χ^2/NDF:78208.2/19

+ sign 1111.885+/-0.162 χ^2/NDF: 938318.8/36

All: 1104.464+/-0.114 χ^2/NDF: 1618923.7/75

- sign 1097.177+/-0.161 χ^2/NDF: 676462.4/38



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -360.093+/-902.588 χ^2/NDF:25.2/20

Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

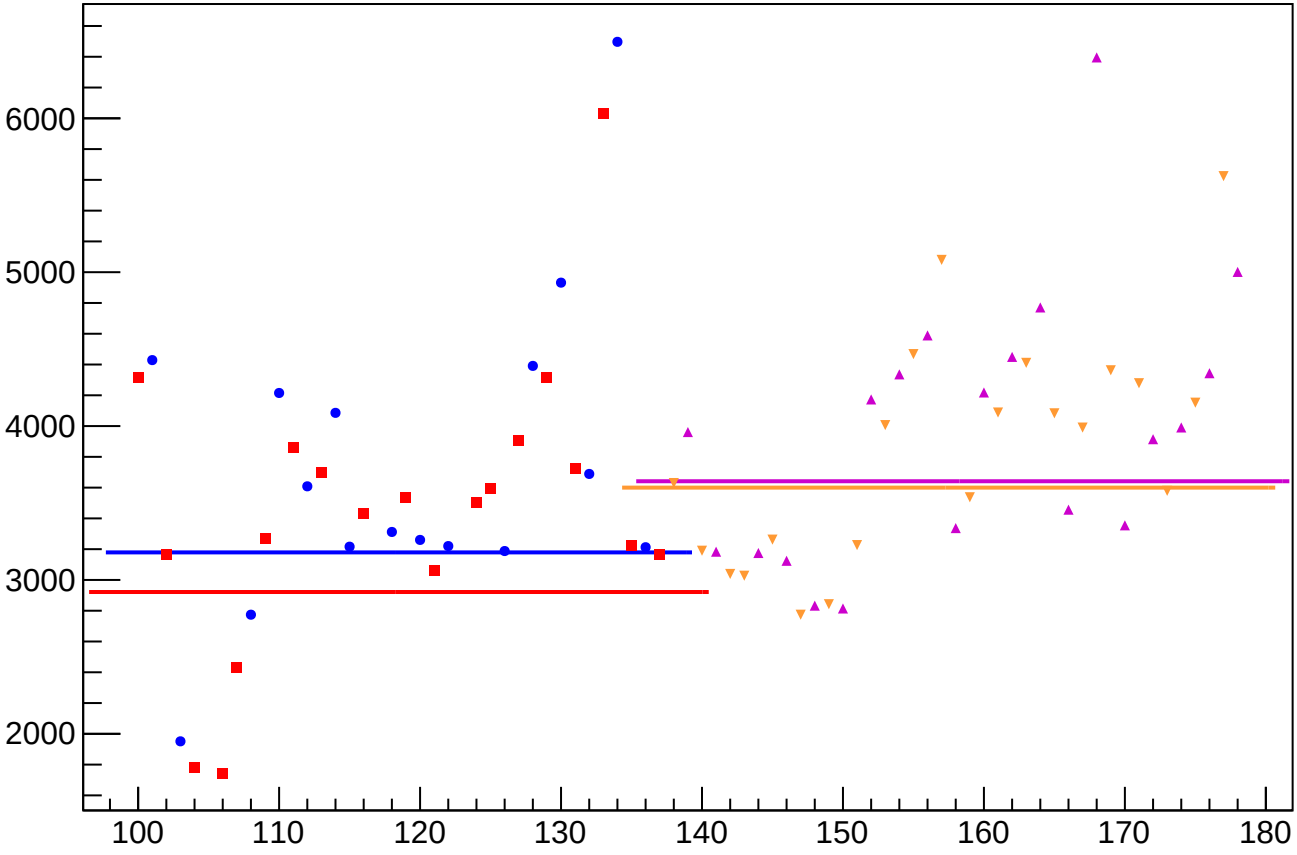
Left In: 375.066+/-921.667 χ^2/NDF:12.2/19

+ sign 105.209+/-728.265 χ^2/NDF: 39.8/36

All: 153.342+/-510.643 χ^2/NDF: 69.0/75

- sign 199.893+/-716.202 χ^2/NDF: 29.2/38

asym_usr_atr2_dd_cor_correction_rms vs Slug



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3600.023+/-0.638 χ^2/NDF:1071291.2/20

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

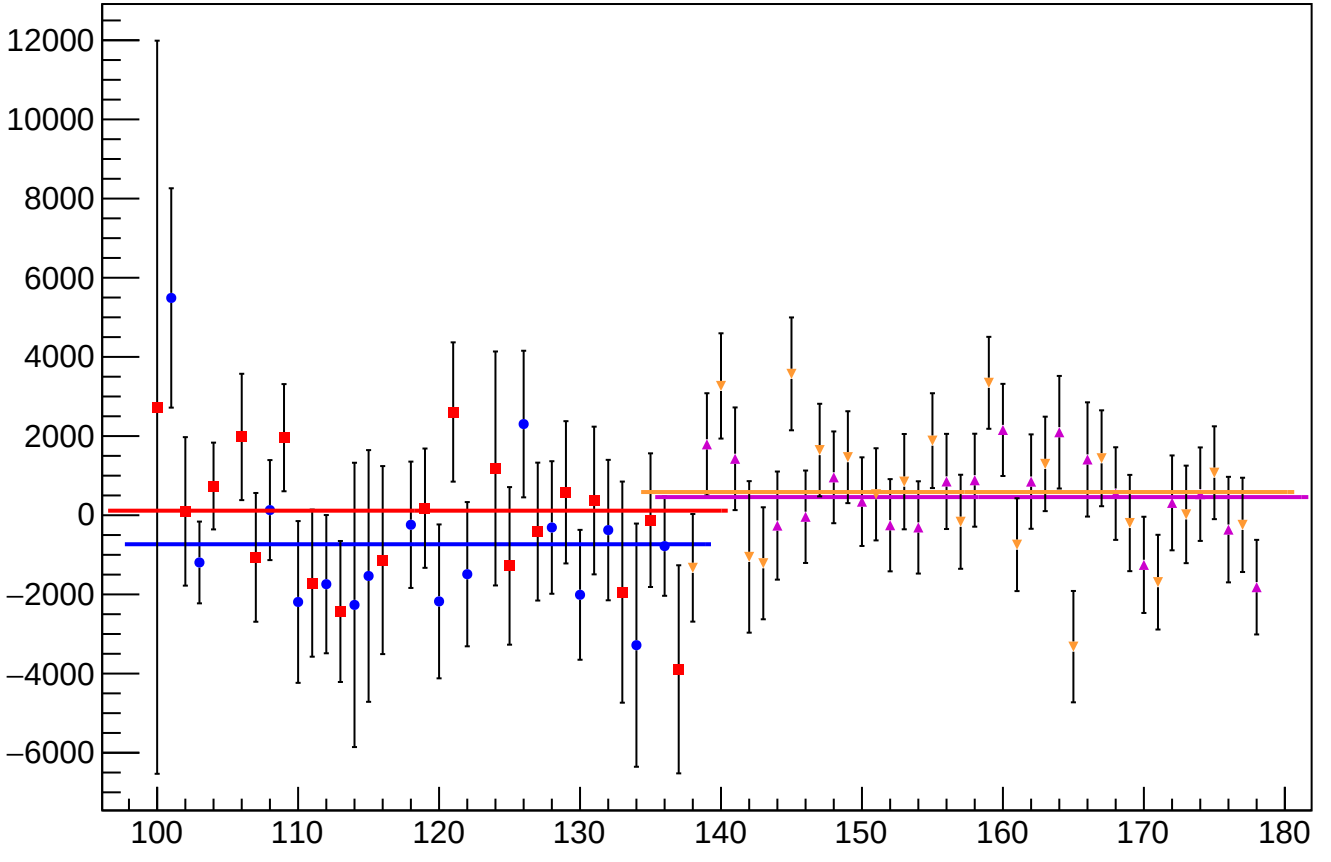
Left In: 3641.419+/-0.652 χ^2/NDF:1239631.7/19

\+ sign 3453.116+/-0.515 χ^2/NDF: 2314352.0/36

All: 3403.886+/-0.361 χ^2/NDF: 5368076.1/75

\- sign 3356.273+/-0.506 χ^2/NDF: 3035745.6/38

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 586.347+/-272.155 χ^2/NDF:36.2/20

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

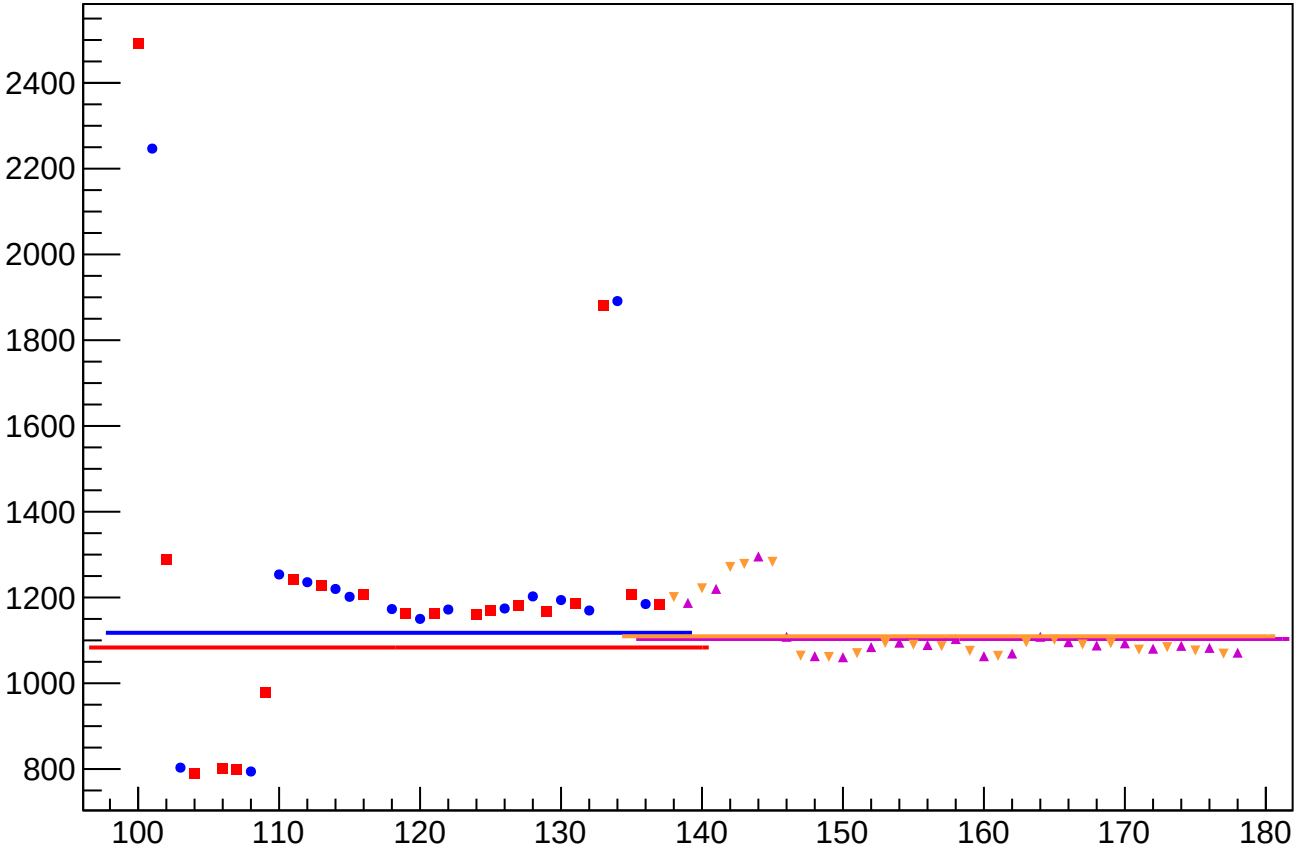
Left In: 458.334+/-273.219 χ^2/NDF:13.3/19

+ sign 205.792+/-229.562 χ^2/NDF: 54.7/36

All: 280.208+/-161.629 χ^2/NDF: 81.8/75

- sign 353.360+/-227.606 χ^2/NDF: 27.0/38

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1109.533+/-0.192 χ^2/NDF:117969.5/20

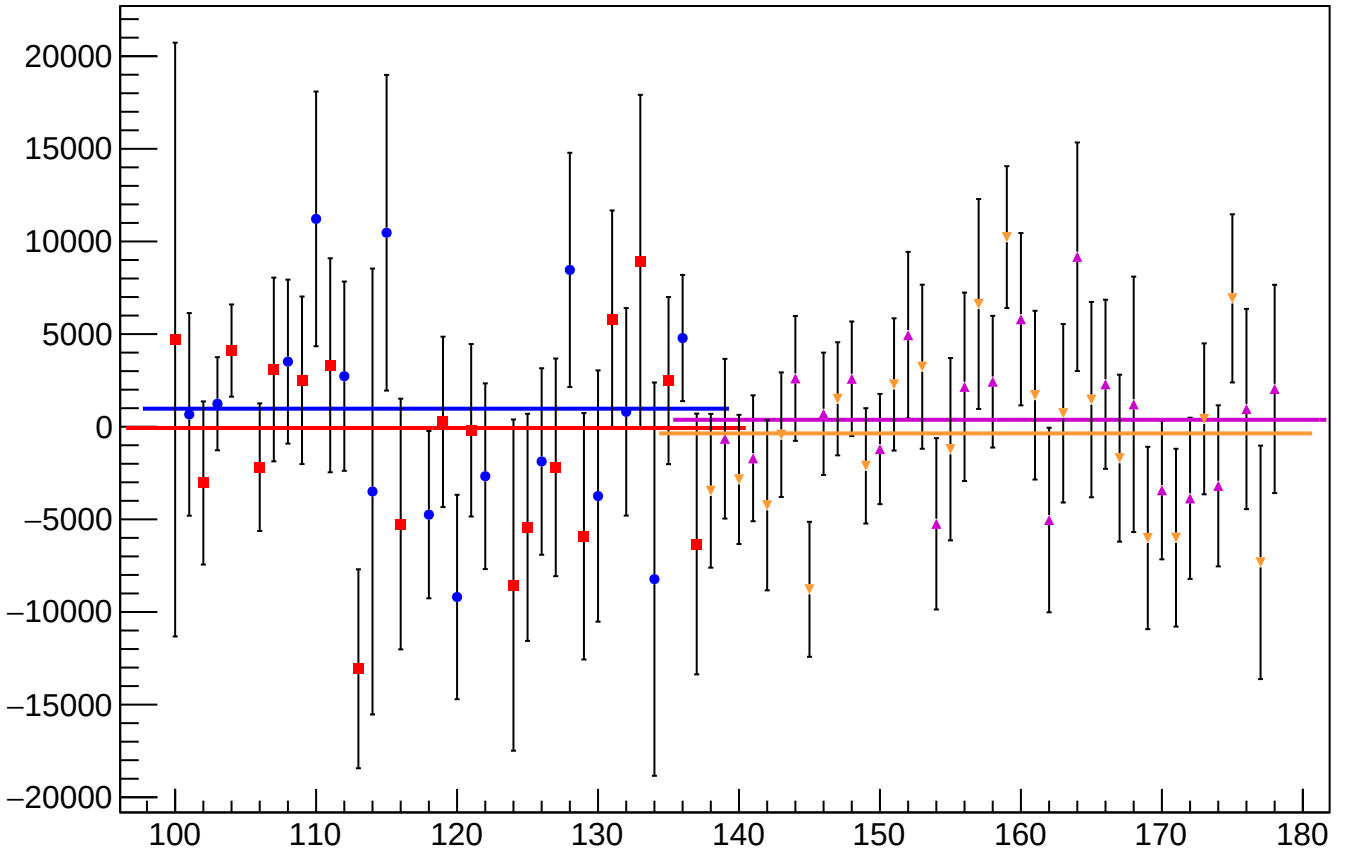
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1103.266+/-0.193 χ^2/NDF:78208.2/19

+ sign 1111.885+/-0.162 χ^2/NDF: 938318.8/36

All: 1104.464+/-0.114 χ^2/NDF: 1618923.7/75

- sign 1097.177+/-0.161 χ^2/NDF: 676462.4/38



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -360.093+/-902.588 χ^2/NDF:25.2/20

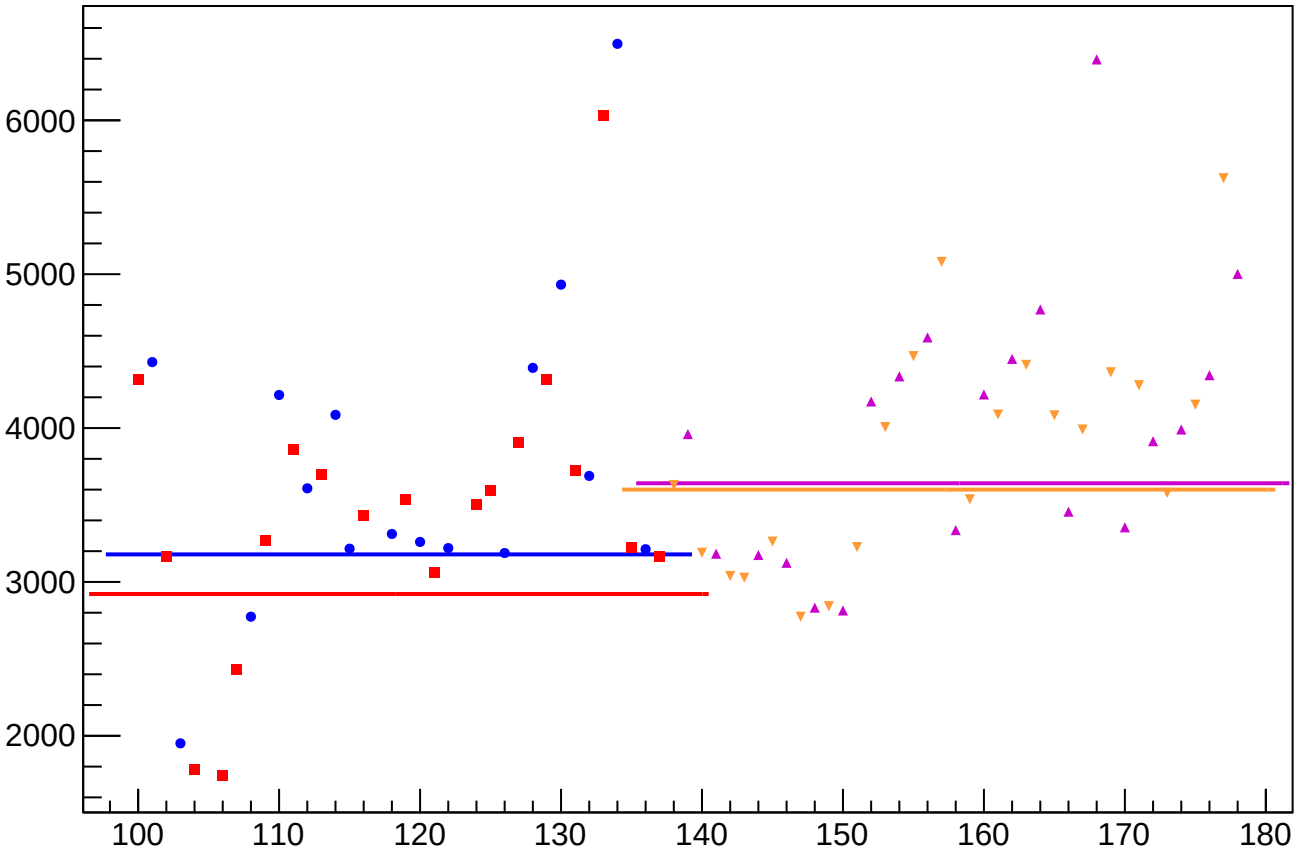
Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: 375.066+/-921.667 χ^2/NDF:12.2/19

+ sign 105.209+/-728.265 χ^2/NDF: 39.8/36

All: 153.342+/-510.643 χ^2/NDF: 69.0/75

- sign 199.893+/-716.202 χ^2/NDF: 29.2/38



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3600.023+/-0.638 χ^2/NDF:1071291.2/20

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

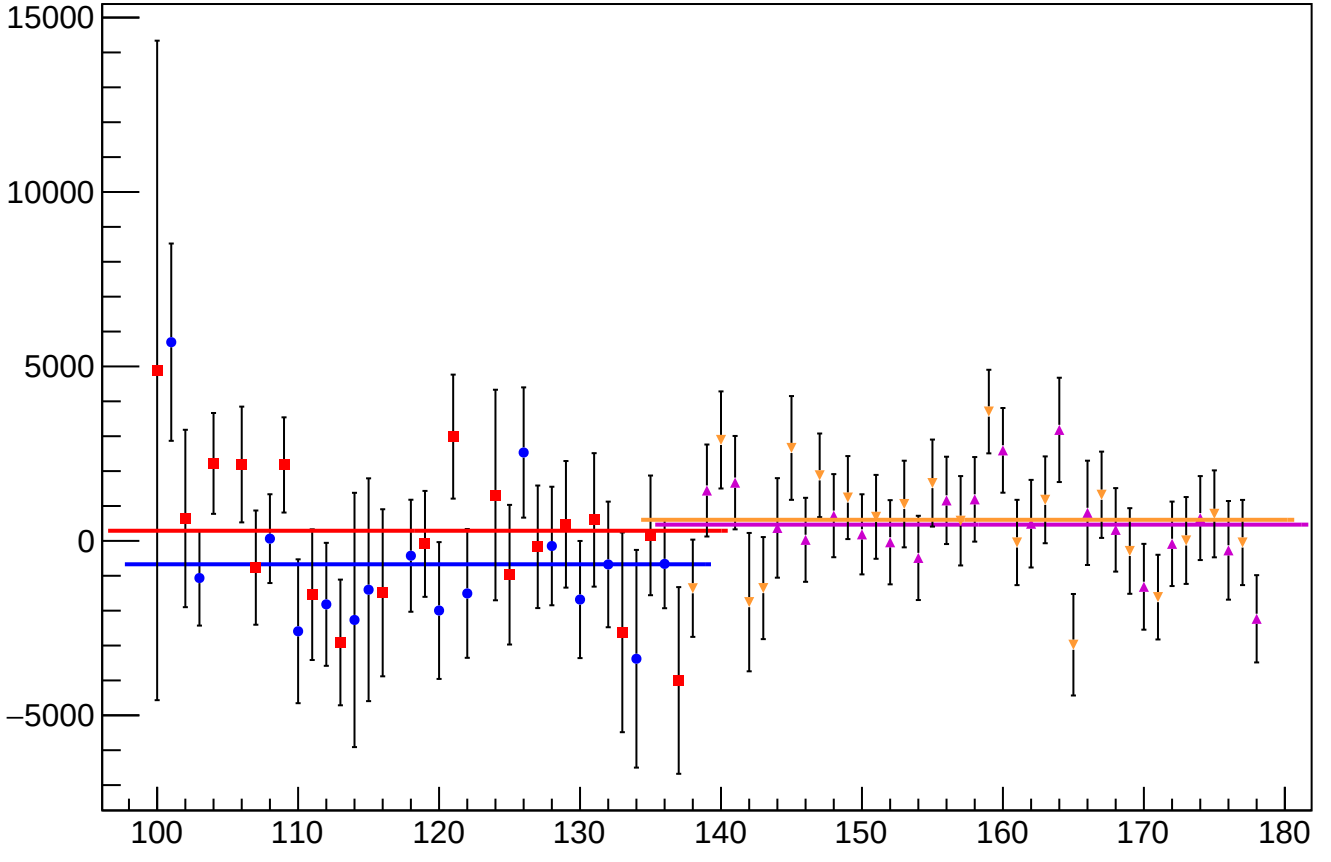
Left In: 3641.419+/-0.652 χ^2/NDF:1239631.7/19

+ sign 3453.116+/-0.515 χ^2/NDF: 2314352.0/36

All: 3403.886+/-0.361 χ^2/NDF: 5368076.1/75

- sign 3356.273+/-0.506 χ^2/NDF: 3035745.6/38

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: 604.403+/-281.261 χ^2/NDF:30.1/20

Right Out: 290.311+/-434.425 χ^2/NDF: 16.9/18

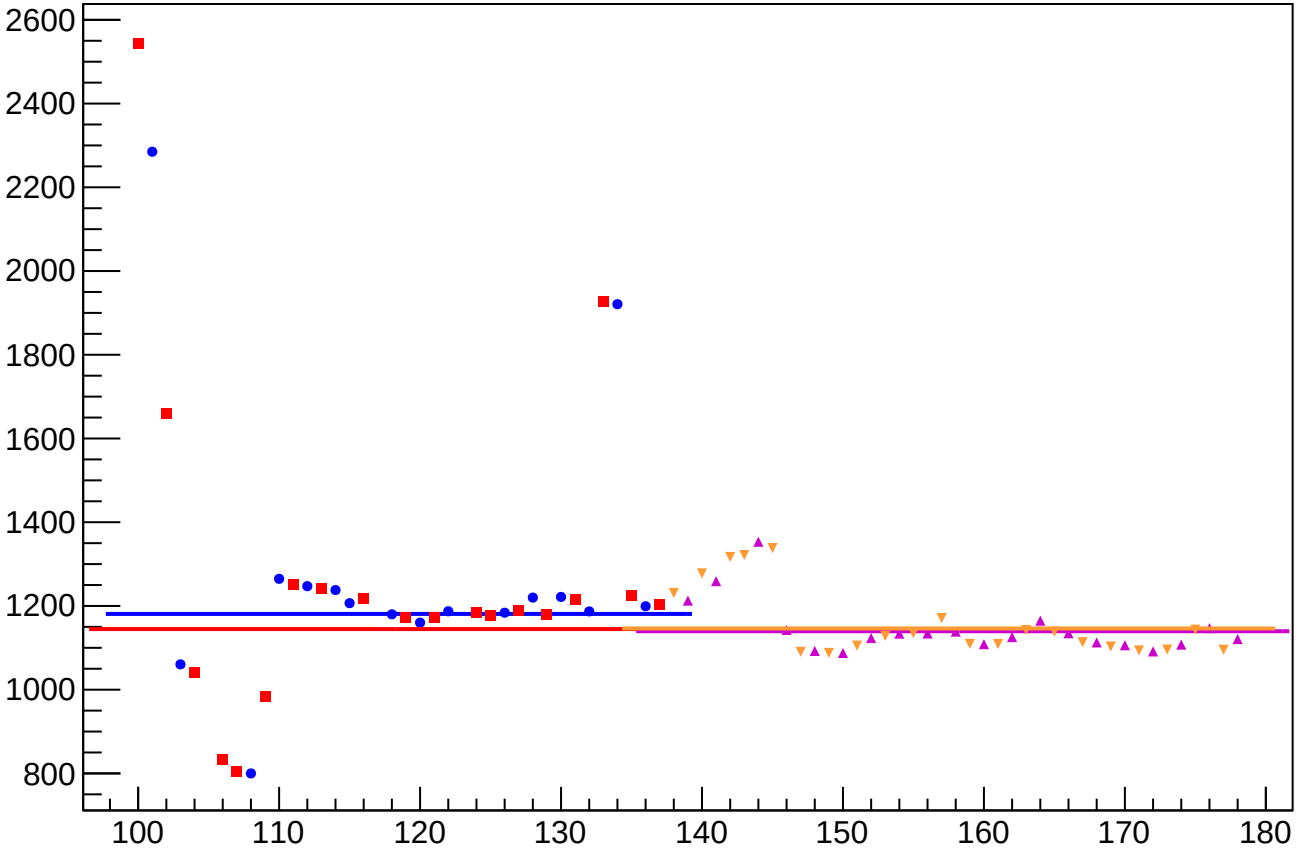
Left In: 465.833+/-282.287 χ^2/NDF:16.8/19

+ sign 244.452+/-238.282 χ^2/NDF: 47.7/36

All: 329.650+/-167.930 χ^2/NDF: 81.8/75

- sign 413.724+/-236.704 χ^2/NDF: 33.8/38

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1146.266+/-0.199 χ^2/NDF:133168.6/20

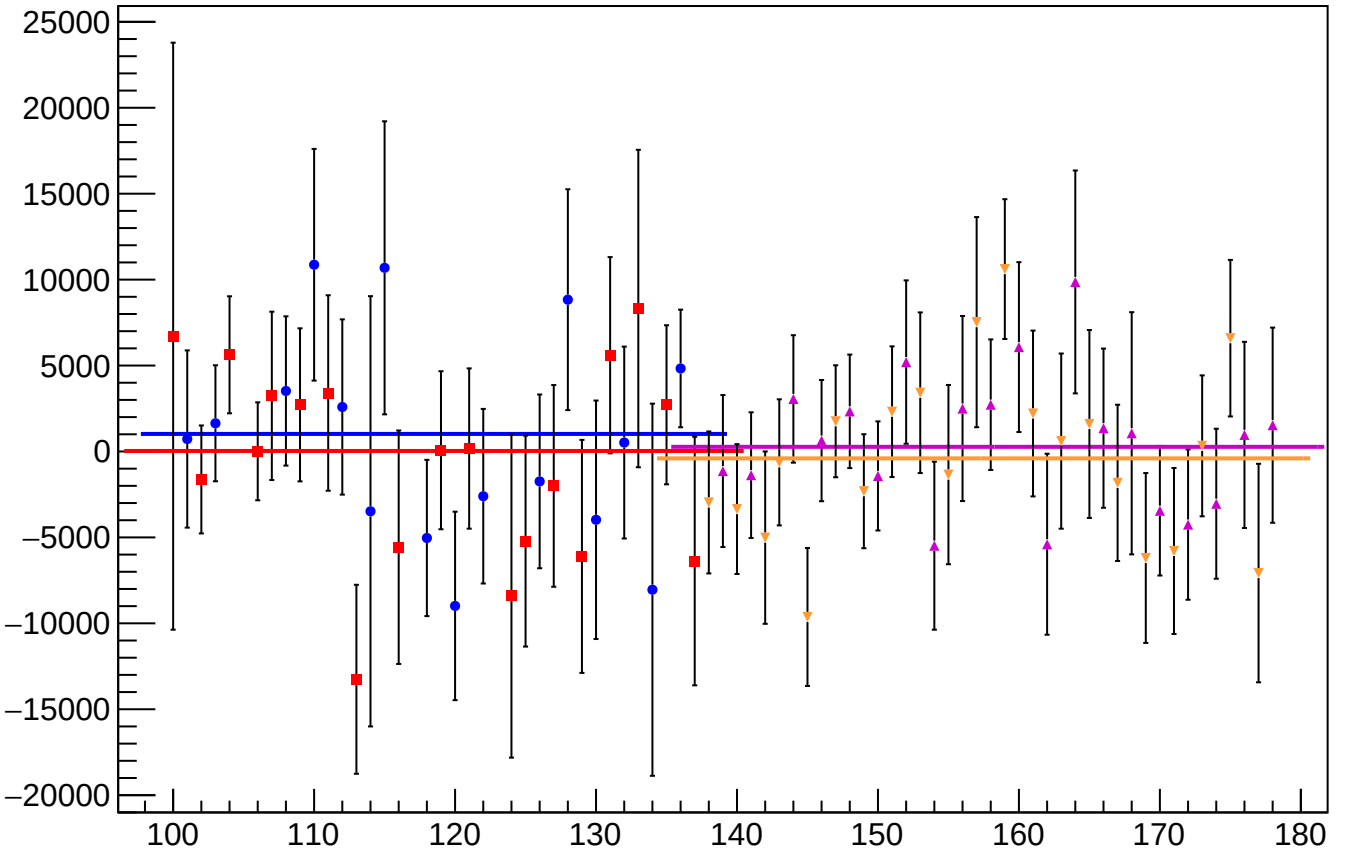
Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

Left In: 1139.623+/-0.200 χ^2/NDF:84398.2/19

+ sign 1156.057+/-0.168 χ^2/NDF: 763634.8/36

All: 1148.555+/-0.119 χ^2/NDF: 1349900.0/75

- sign 1141.154+/-0.167 χ^2/NDF: 582326.9/38



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -400.494+/-949.848 χ^2/NDF:24.8/20

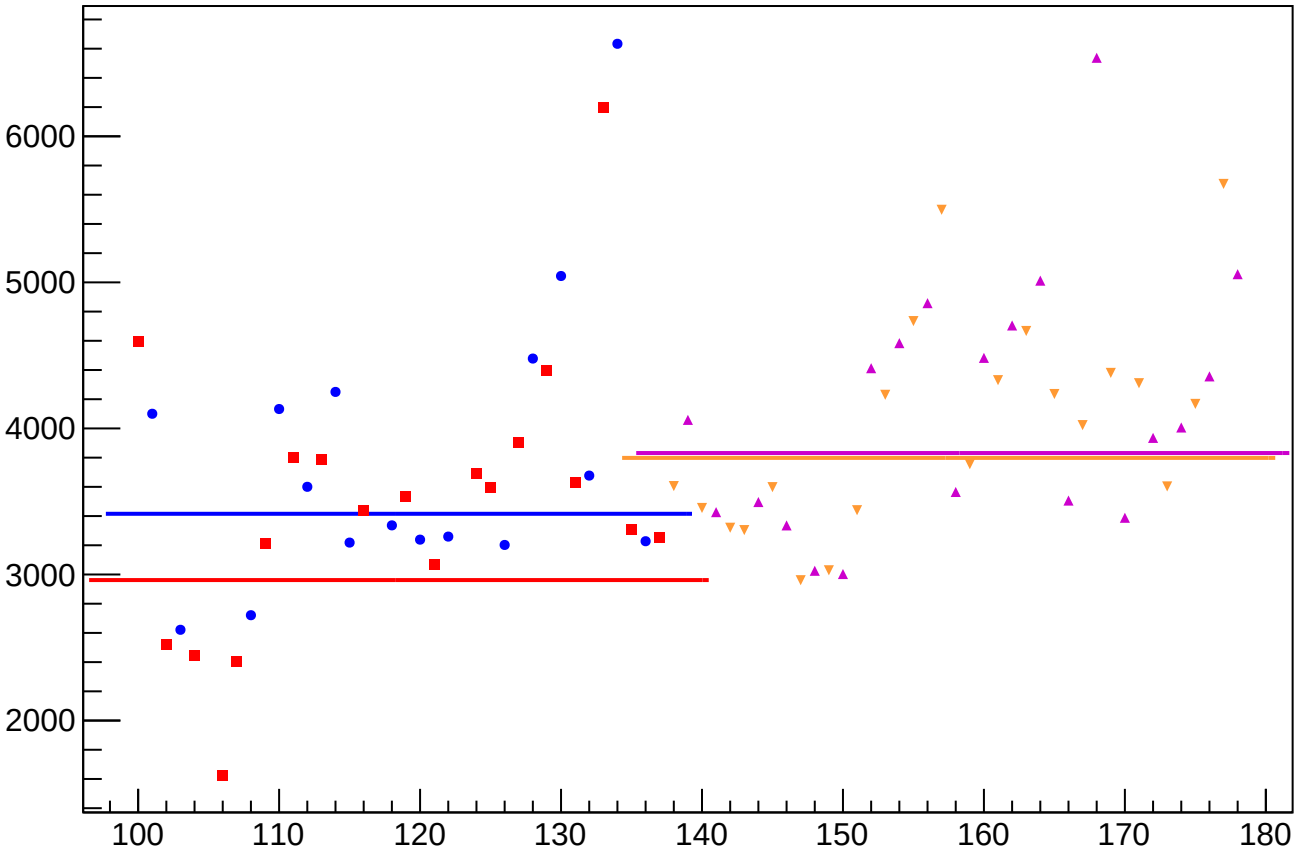
Right Out: 30.135+/-1130.743 χ^2/NDF: 16.1/18

Left In: 270.923+/-967.802 χ^2/NDF:12.1/19

\+ sign 93.064+/-767.440 χ^2/NDF: 39.4/36

All: 132.717+/-530.920 χ^2/NDF: 67.7/75

\- sign 169.113+/-735.262 χ^2/NDF: 28.3/38



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3798.260+/-0.672 χ^2/NDF:916178.9/20

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

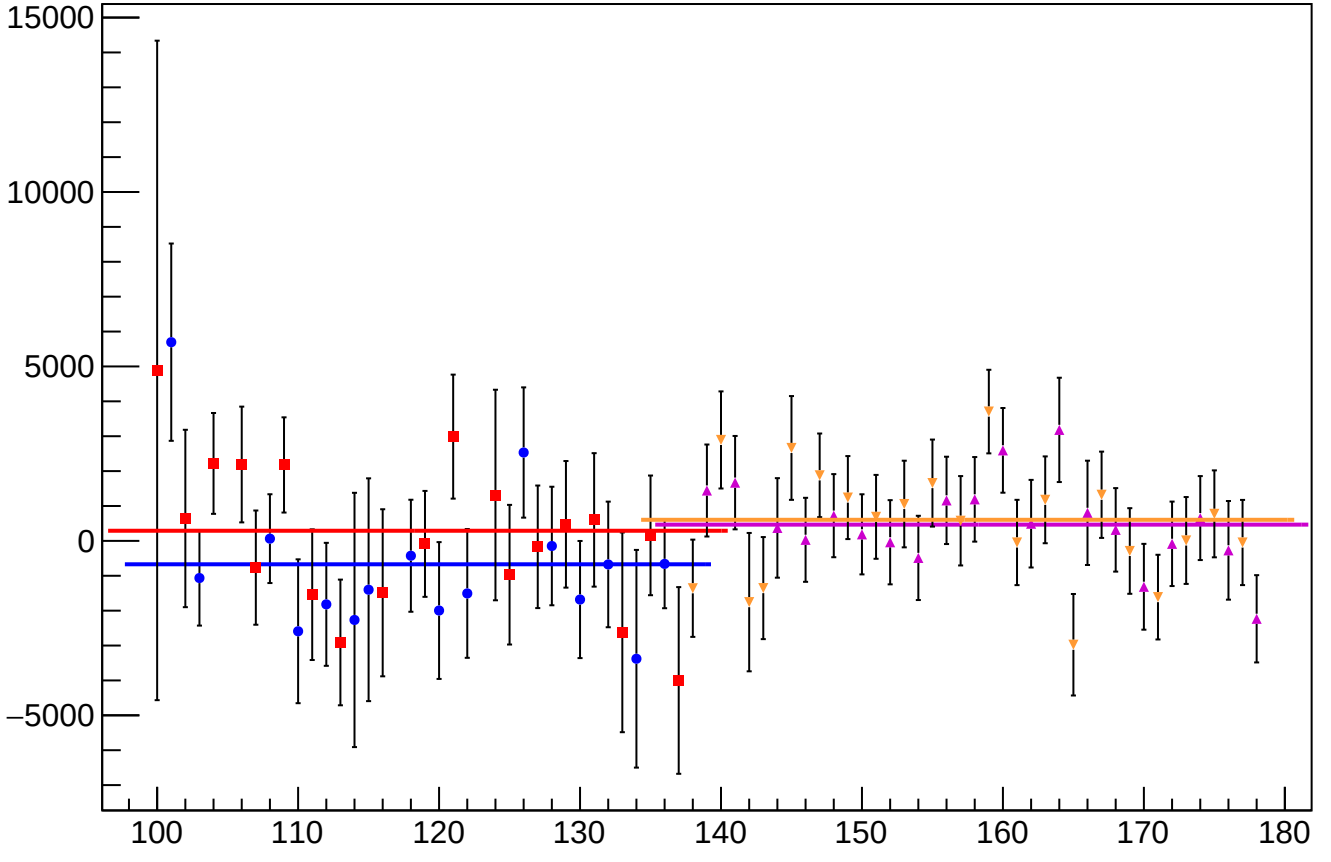
Left In: 3831.556+/-0.684 χ^2/NDF:1105244.7/19

+ sign 3665.398+/-0.543 χ^2/NDF: 1621226.5/36

All: 3560.287+/-0.375 χ^2/NDF: 4650668.0/75

- sign 3463.804+/-0.520 χ^2/NDF: 2957484.8/38

eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: 604.408+/-281.261 χ^2/NDF:30.1/20

Right Out: 290.316+/-434.425 χ^2/NDF: 16.9/18

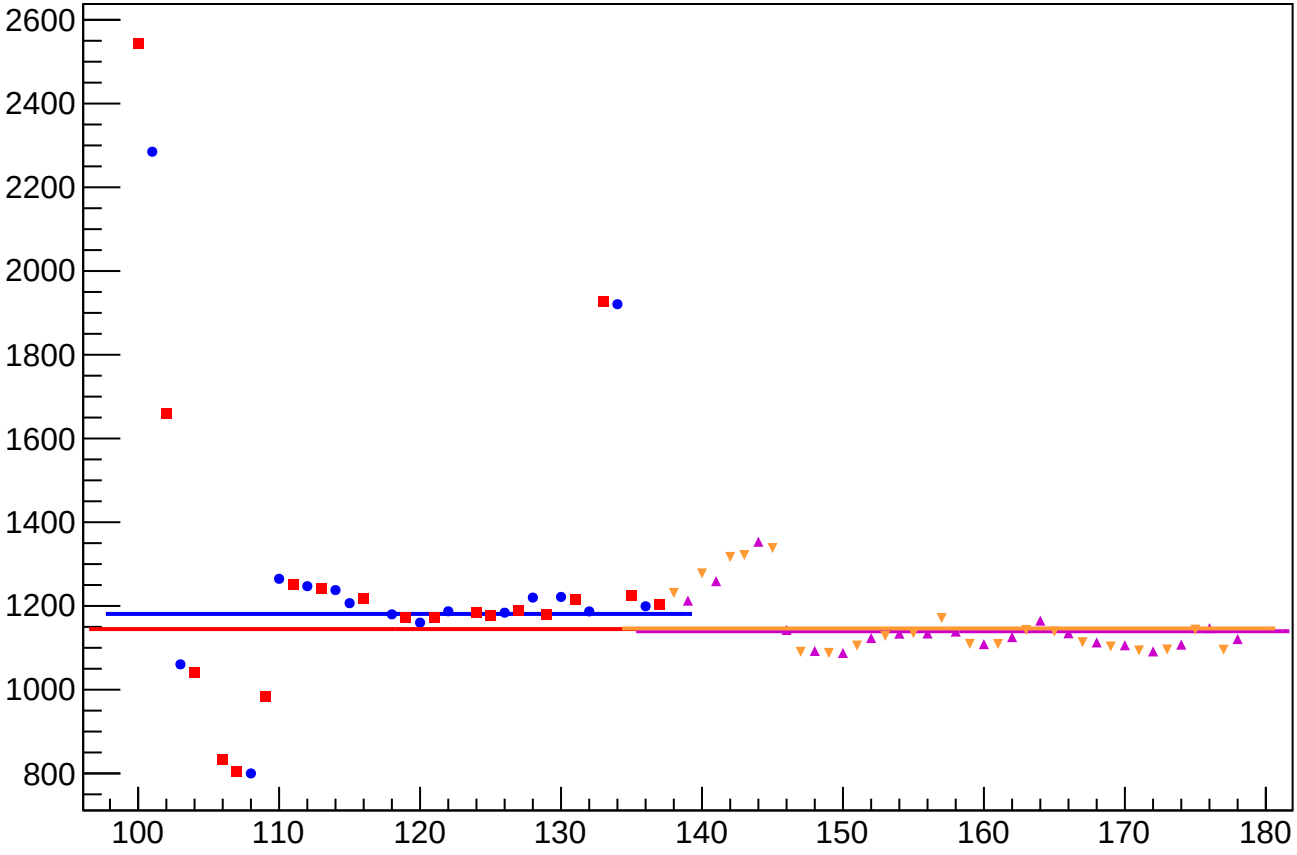
Left In: 465.834+/-282.287 χ^2/NDF:16.8/19

\+ sign 244.453+/-238.282 χ^2/NDF: 47.7/36

All: 329.652+/-167.930 χ^2/NDF: 81.8/75

\- sign 413.726+/-236.704 χ^2/NDF: 33.8/38

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1146.266+/-0.199 χ^2/NDF:133168.8/20

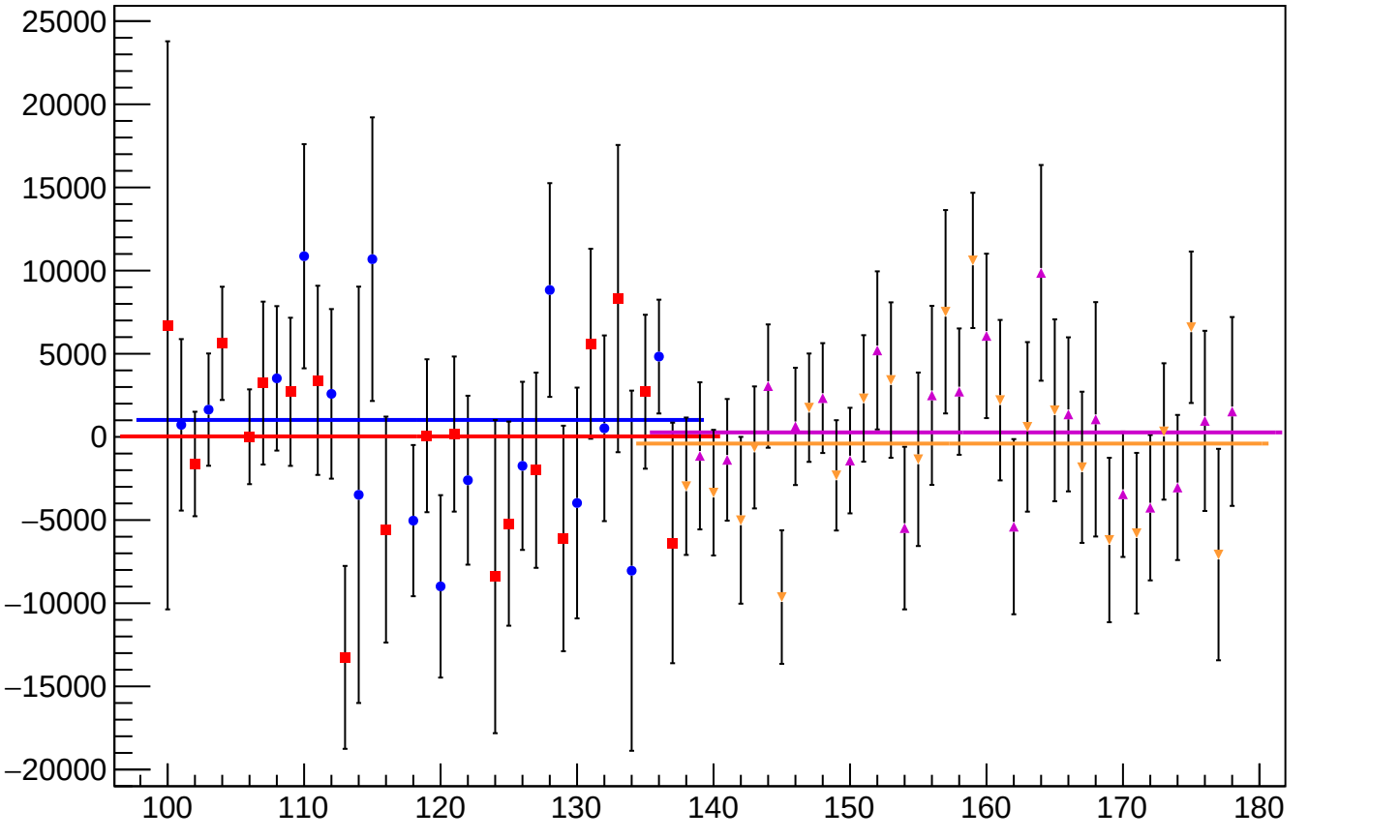
Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1139.624+/-0.200 χ^2/NDF:84398.0/19

+ sign 1156.058+/-0.168 χ^2/NDF: 763634.8/36

All: 1148.556+/-0.119 χ^2/NDF: 1349899.2/75

- sign 1141.155+/-0.167 χ^2/NDF: 582326.2/38



Right In: 1021.029+/-1302.430 χ^2/NDF: 13.9/15

Left Out: -400.494+/-949.849 χ^2/NDF:24.8/20

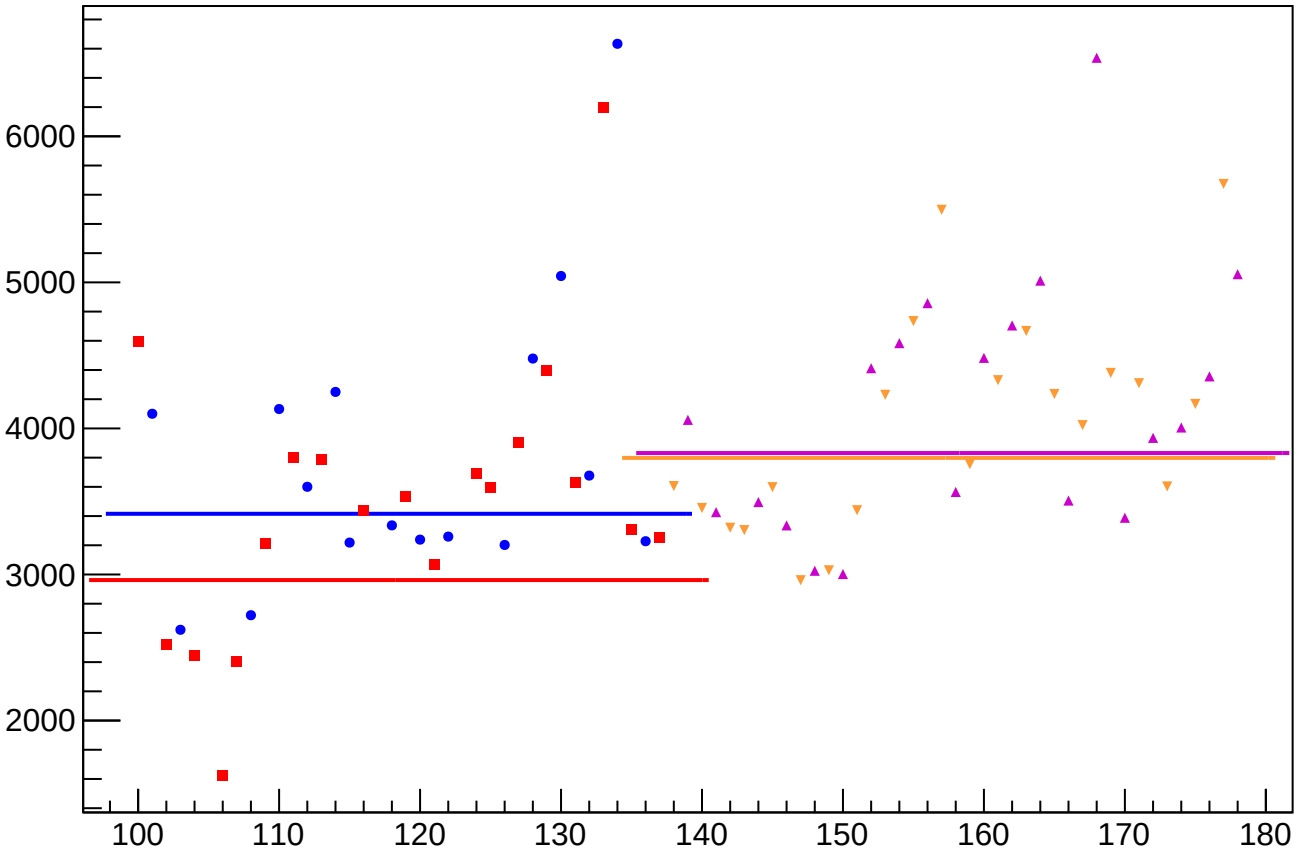
Right Out: 30.142+/-1130.741 χ^2/NDF: 16.1/18

Left In: 270.921+/-967.803 χ^2/NDF:12.1/19

+ sign 93.060+/-767.440 χ^2/NDF: 39.4/36

All: 132.715+/-530.920 χ^2/NDF: 67.7/75

- sign 169.114+/-735.262 χ^2/NDF: 28.3/38



Right In: 3415.591+/-0.921 χ^2/NDF: 592339.1/15

Left Out: 3798.265+/-0.672 χ^2/NDF:916178.2/20

Right Out: 2961.793+/-0.800 χ^2/NDF: 1169257.0/18

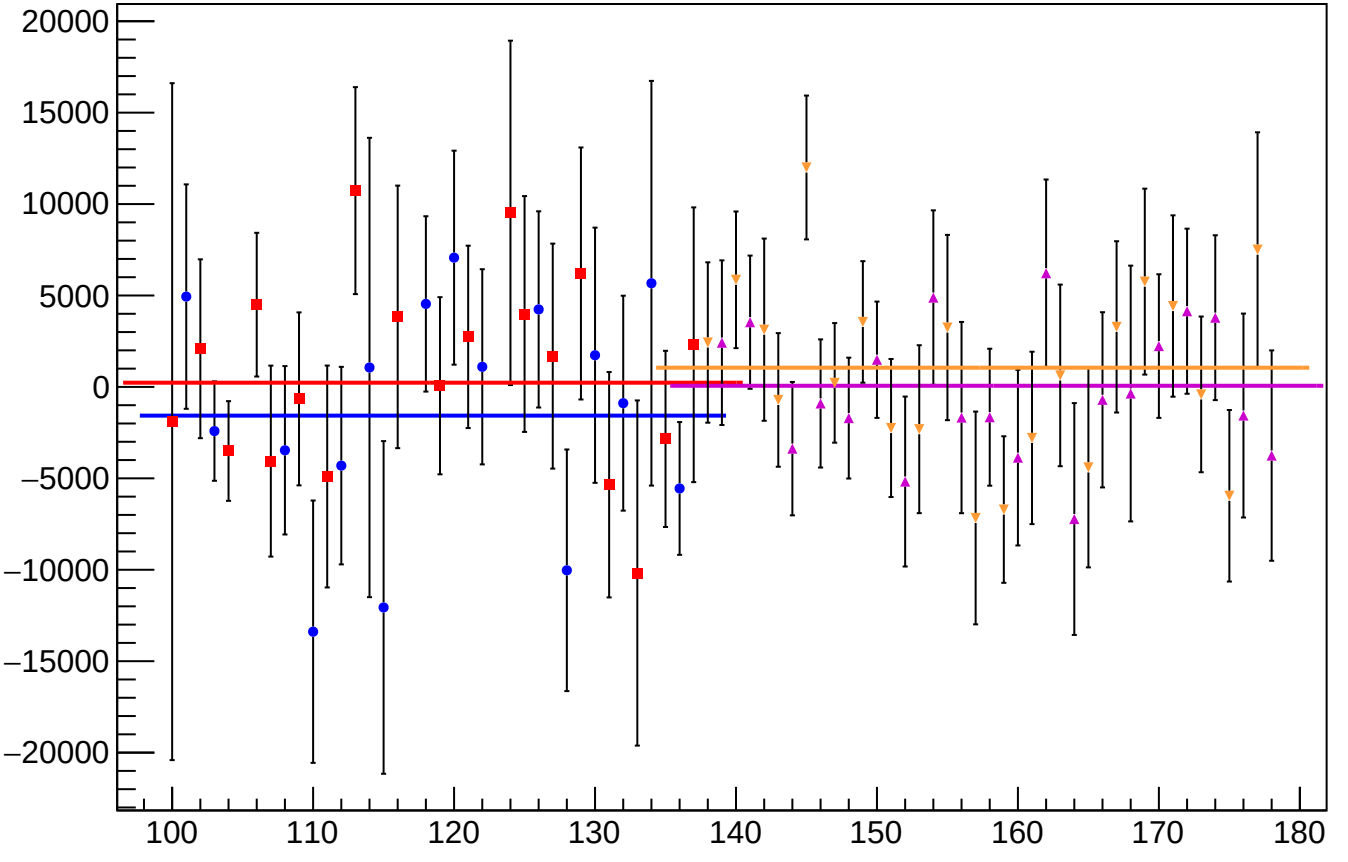
Left In: 3831.561+/-0.684 χ^2/NDF:1105246.6/19

+ sign 3665.400+/-0.543 χ^2/NDF: 1621226.2/36

All: 3560.287+/-0.375 χ^2/NDF: 4650687.0/75

- sign 3463.804+/-0.520 χ^2/NDF: 2957502.4/38

asym_usr_atr2_dd_mean vs Slug



Right In: -1569.809+/-1312.937 χ^2/NDF: 14.5/15

Left Out: 1051.357+/-951.485 χ^2/NDF:24.3/20

Right Out: 231.125+/-1224.318 χ^2/NDF: 13.2/18

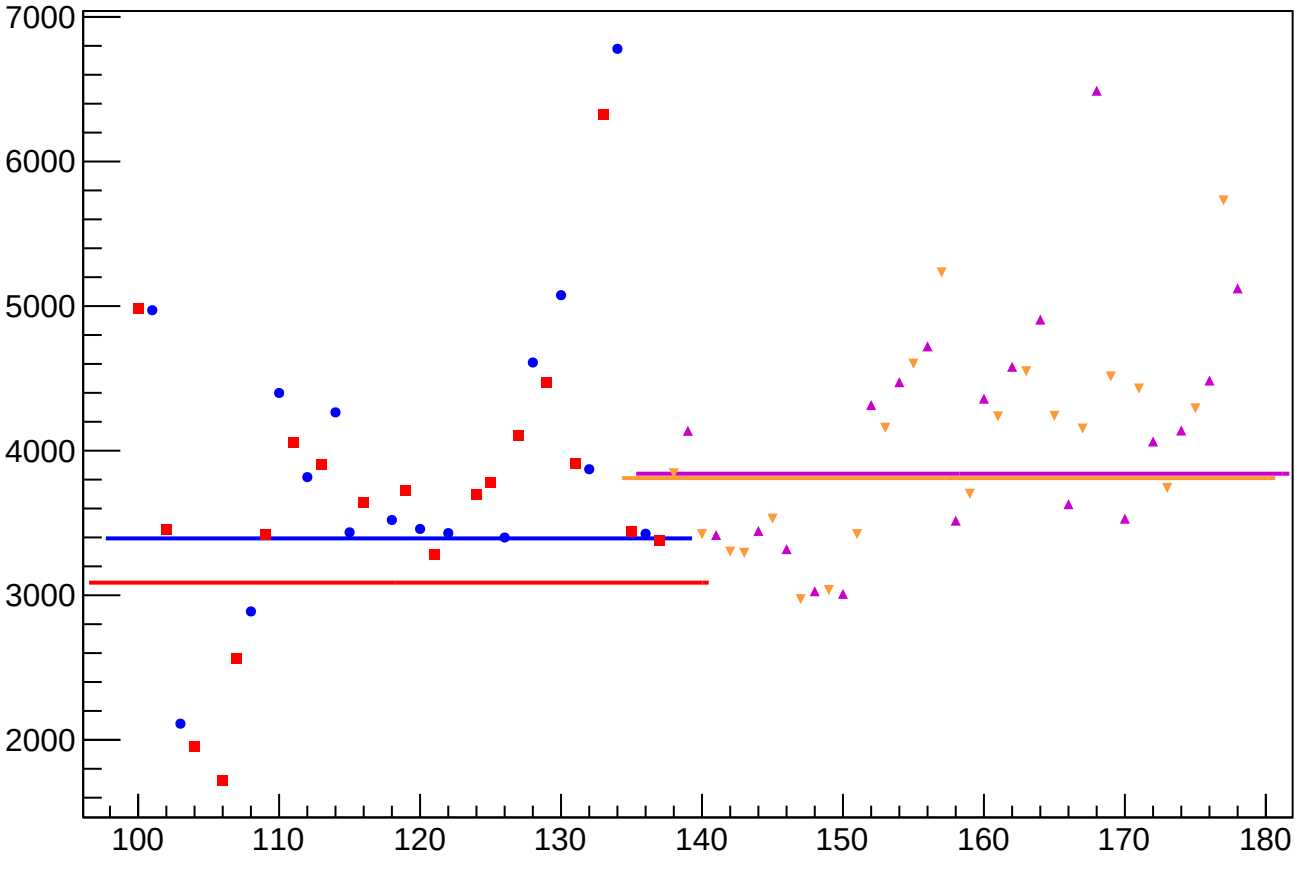
Left In: 62.849+/-968.739 χ^2/NDF:11.0/19

+ sign 148.775+/-770.442 χ^2/NDF: 41.4/36

All: 138.058+/-540.944 χ^2/NDF: 65.7/75

- sign 127.639+/-759.691 χ^2/NDF: 24.3/38

asym_usr_atr2_dd_rms vs Slug



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3810.128+/-0.673 χ^2/NDF:889007.3/20

Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

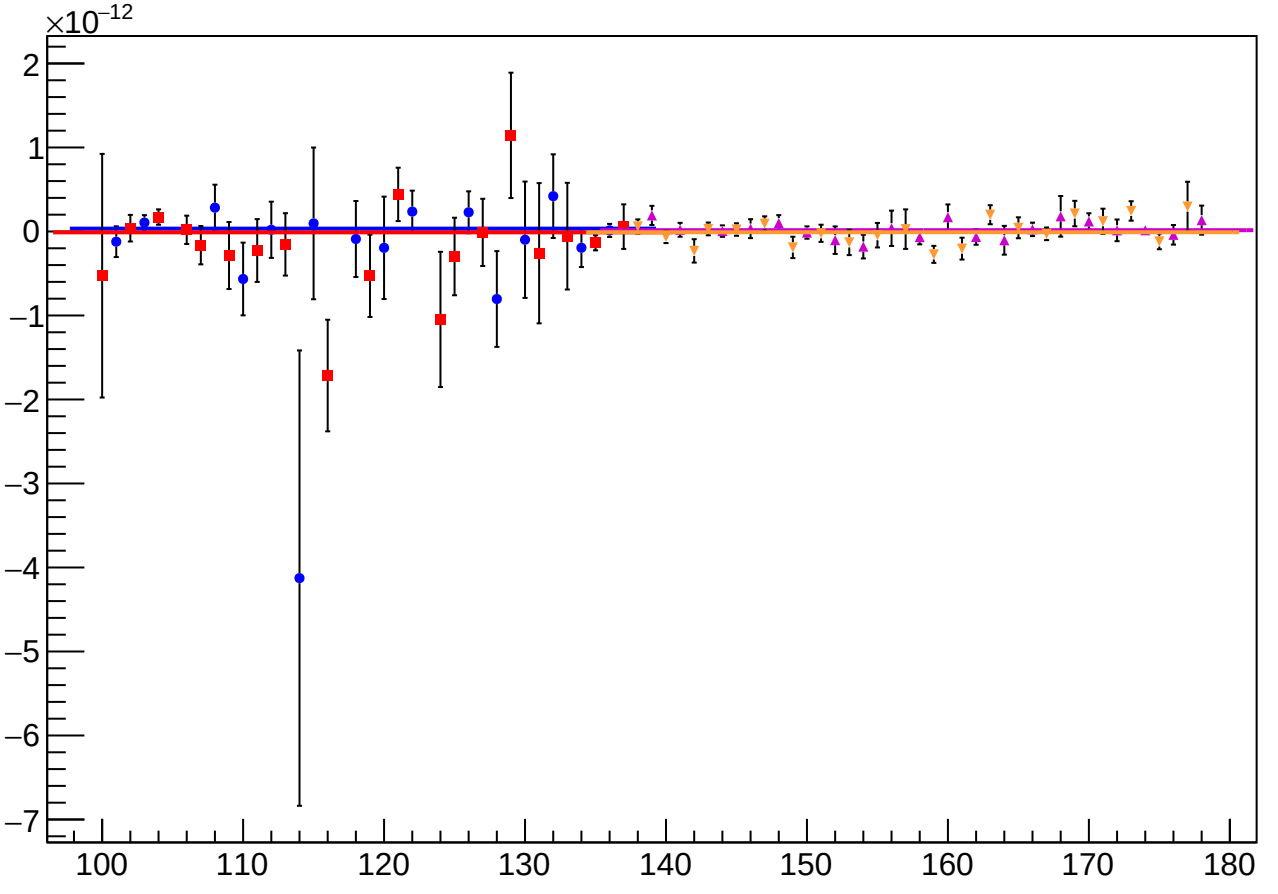
Left In: 3840.796+/-0.685 χ^2/NDF:1053574.3/19

+ sign 3666.618+/-0.545 χ^2/NDF: 2069843.4/36

All: 3604.369+/-0.381 χ^2/NDF: 4952933.2/75

- sign 3544.636+/-0.534 χ^2/NDF: 2857505.3/38

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:31.2/20

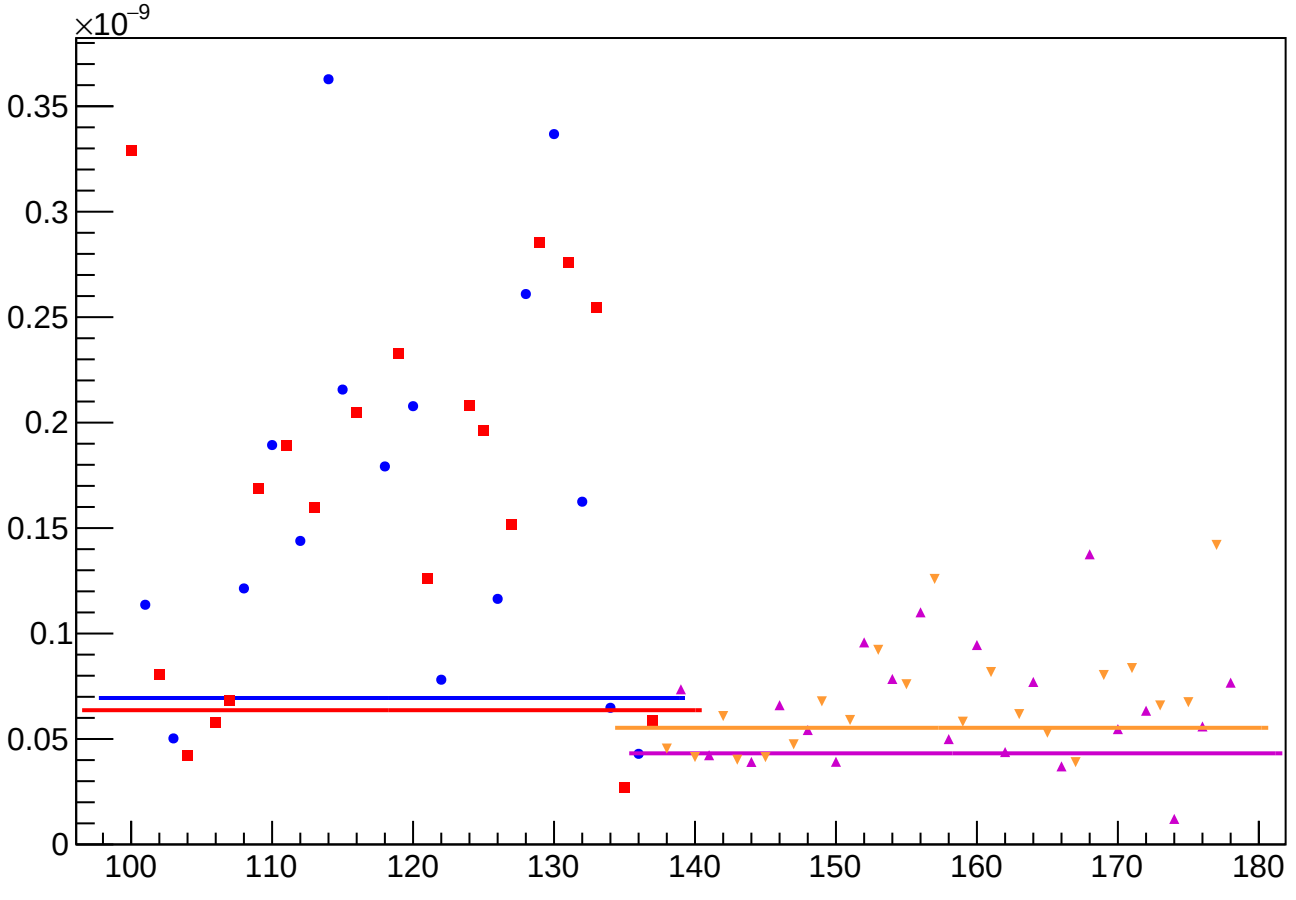
Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/18

Left In: 0.000+/-0.000 χ^2/NDF:11.4/19

+ sign -0.000+/-0.000 χ^2/NDF: 43.6/36

All: 0.000+/-0.000 χ^2/NDF: 77.3/75

- sign 0.000+/-0.000 χ^2/NDF: 33.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1162668.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

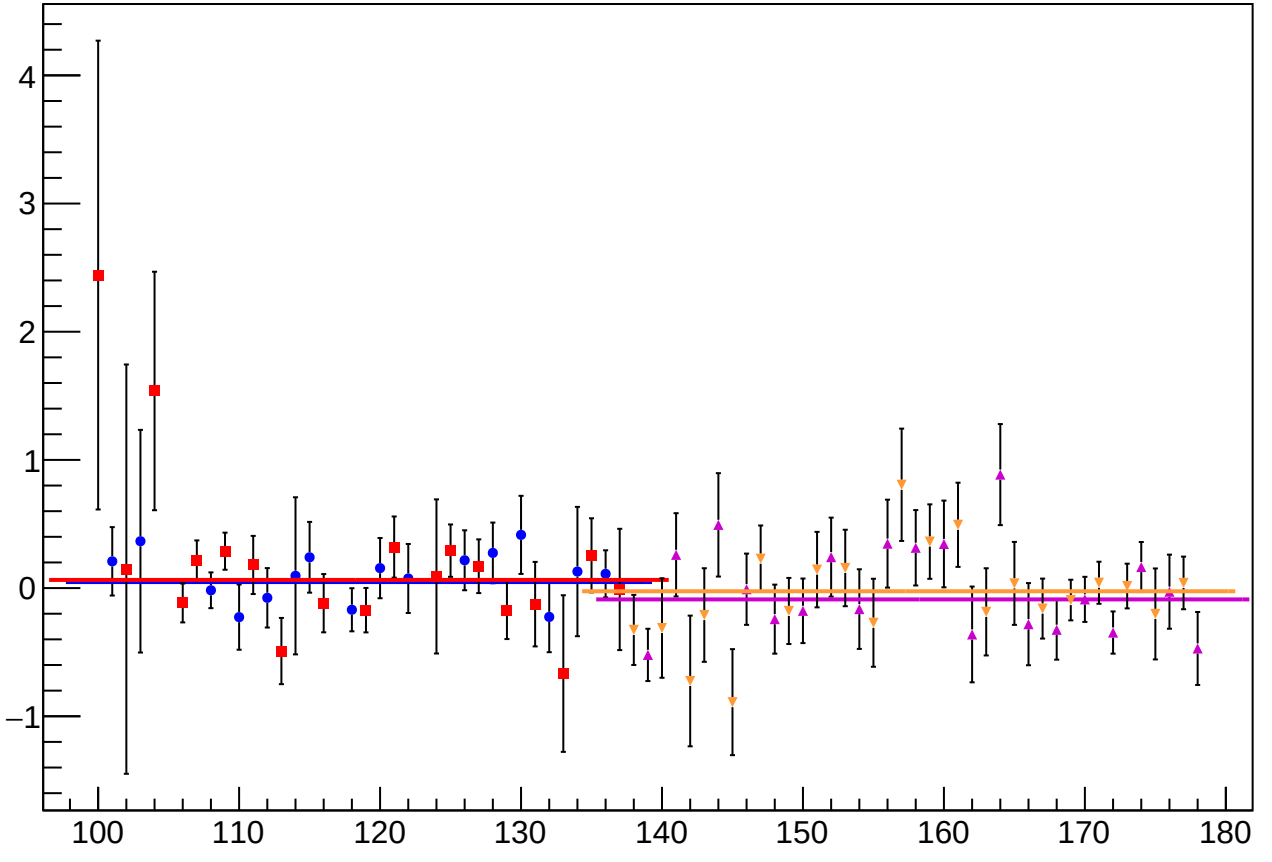
Left In: 0.000+/-0.000 χ^2/NDF:2750984.0/19

+ sign 0.000+/-0.000 χ^2/NDF: 3028826.2/36

All: 0.000+/-0.000 χ^2/NDF: 8651920.6/75

- sign 0.000+/-0.000 χ^2/NDF: 5290546.5/38

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.025+/-0.057 χ^2/NDF:20.0/20

Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

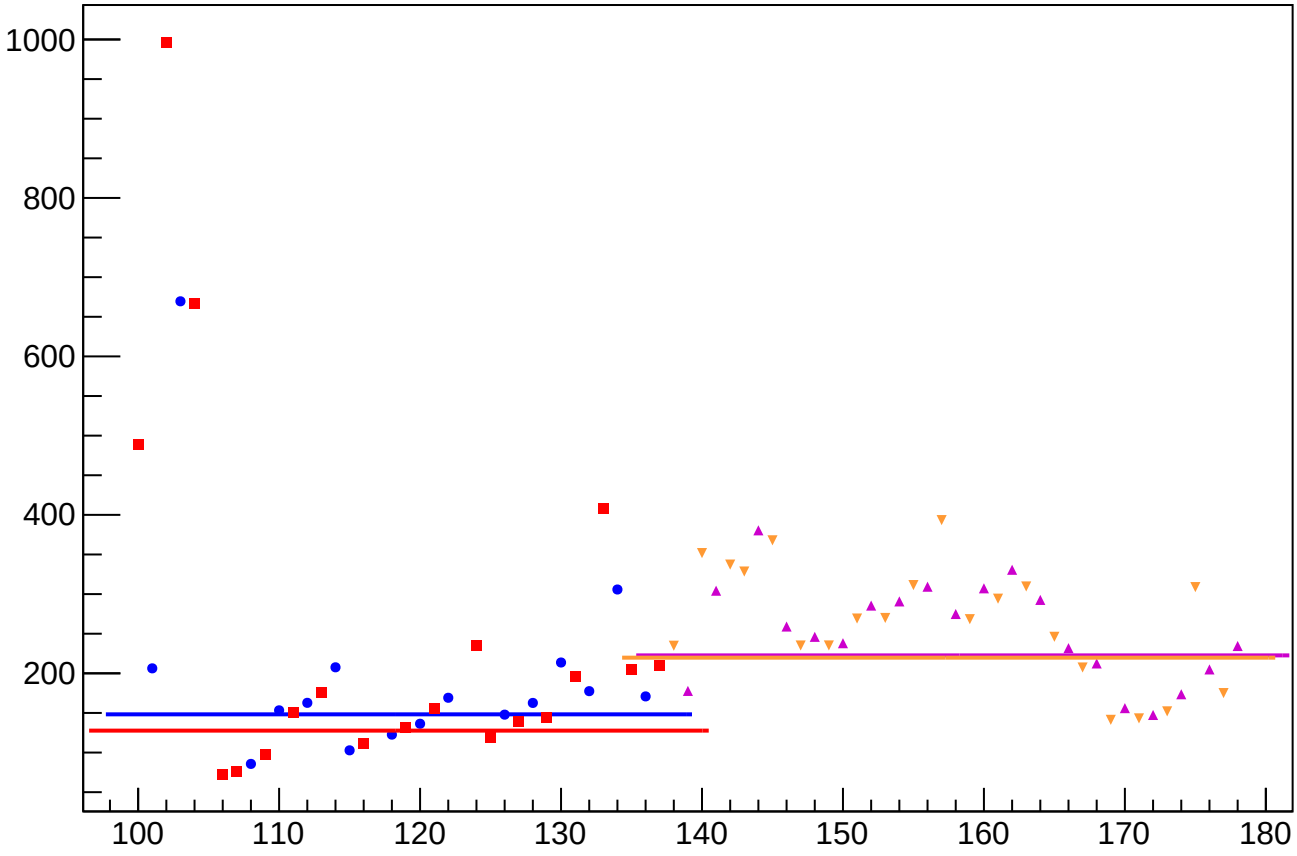
Left In: -0.088+/-0.058 χ^2/NDF:28.6/19

+ sign 0.010+/-0.042 χ^2/NDF: 29.3/36

All: 0.001+/-0.029 χ^2/NDF: 83.9/75

- sign -0.007+/-0.040 χ^2/NDF: 54.5/38

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: 219.765+/-0.041 χ^2/NDF:3127798.7/20

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

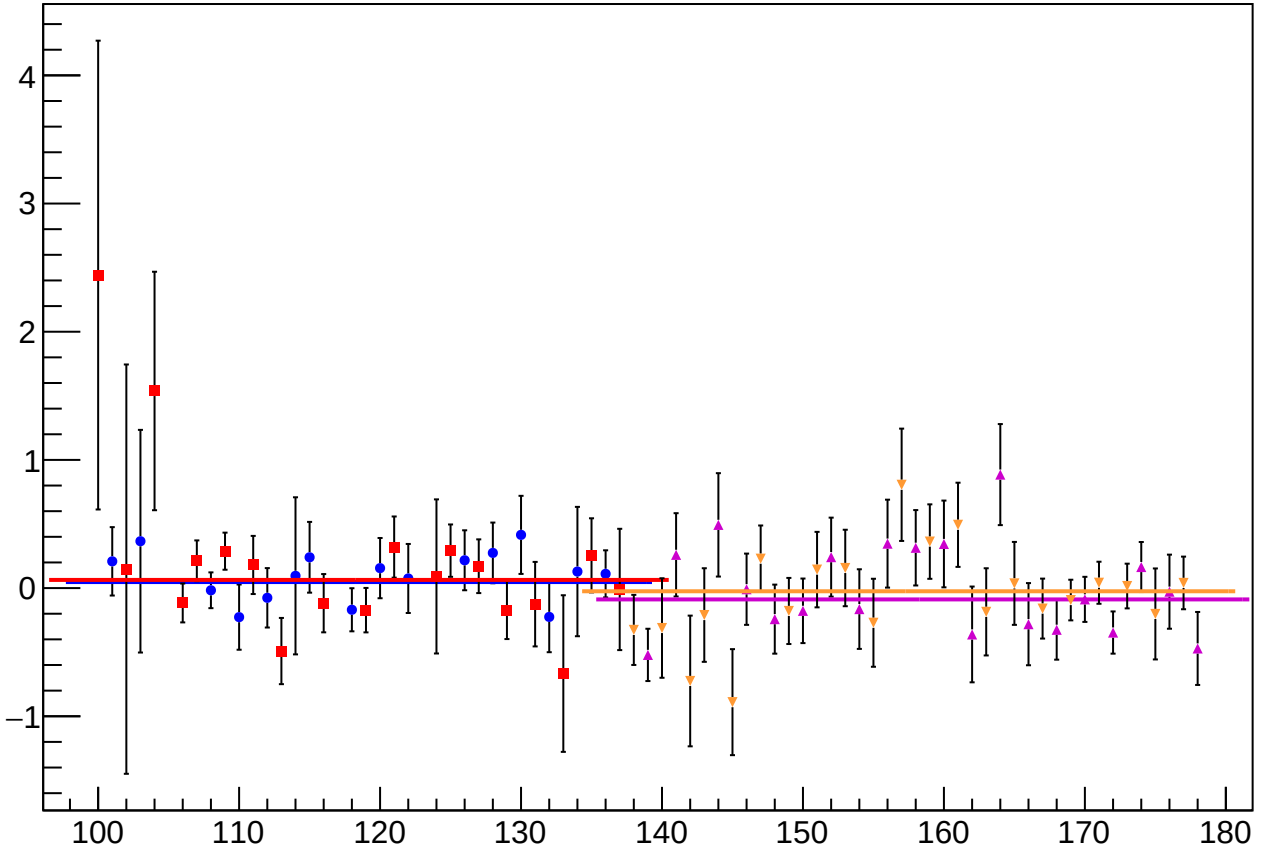
Left In: 222.641+/-0.041 χ^2/NDF:2158674.6/19

+ sign 185.559+/-0.029 χ^2/NDF: 6319300.0/36

All: 178.535+/-0.020 χ^2/NDF: 14248890.8/75

- sign 172.045+/-0.028 χ^2/NDF: 7819437.0/38

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: -0.025+/-0.057 χ^2/NDF:20.0/20

Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

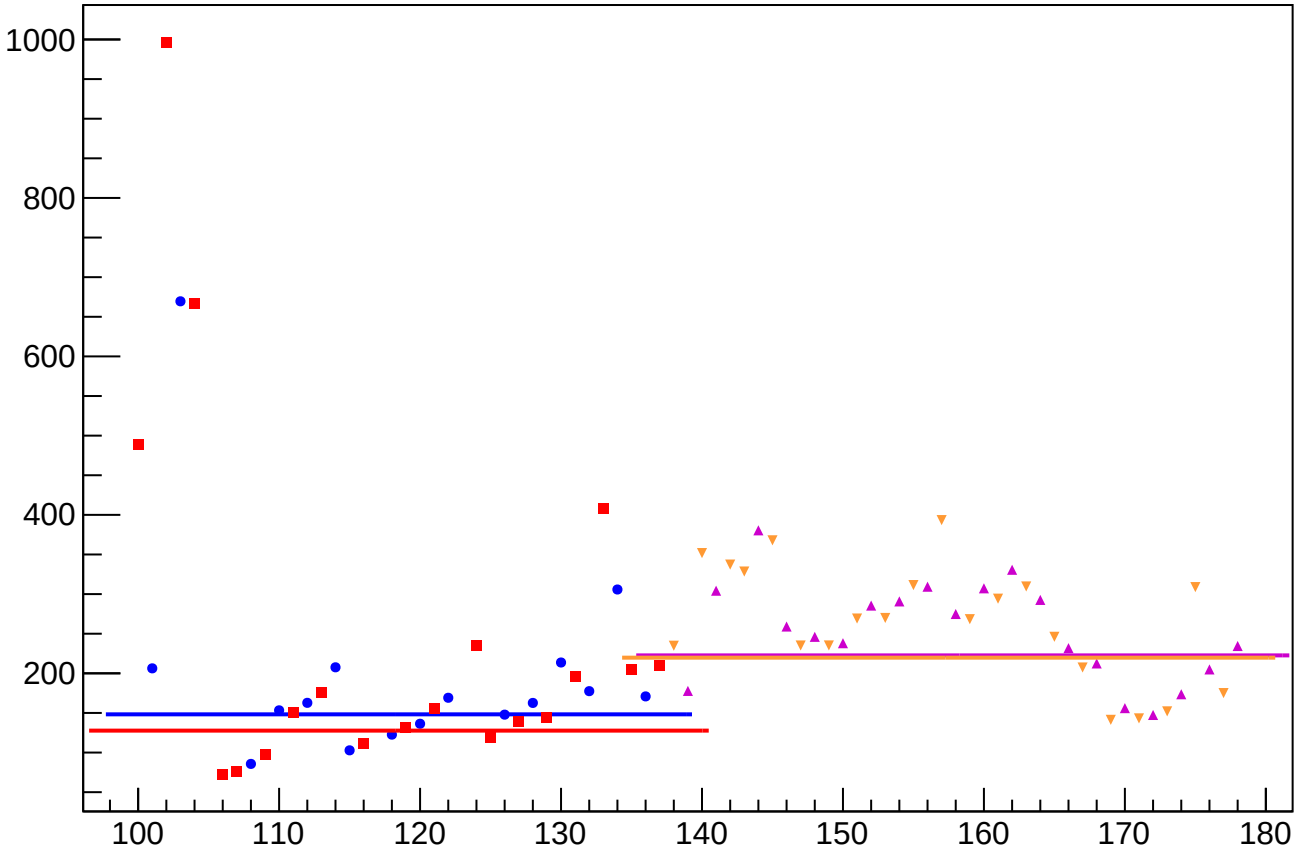
Left In: -0.088+/-0.058 χ^2/NDF:28.6/19

+ sign 0.010+/-0.042 χ^2/NDF: 29.3/36

All: 0.001+/-0.029 χ^2/NDF: 83.9/75

- sign -0.007+/-0.040 χ^2/NDF: 54.5/38

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: 219.765+/-0.041 χ^2/NDF:3127798.7/20

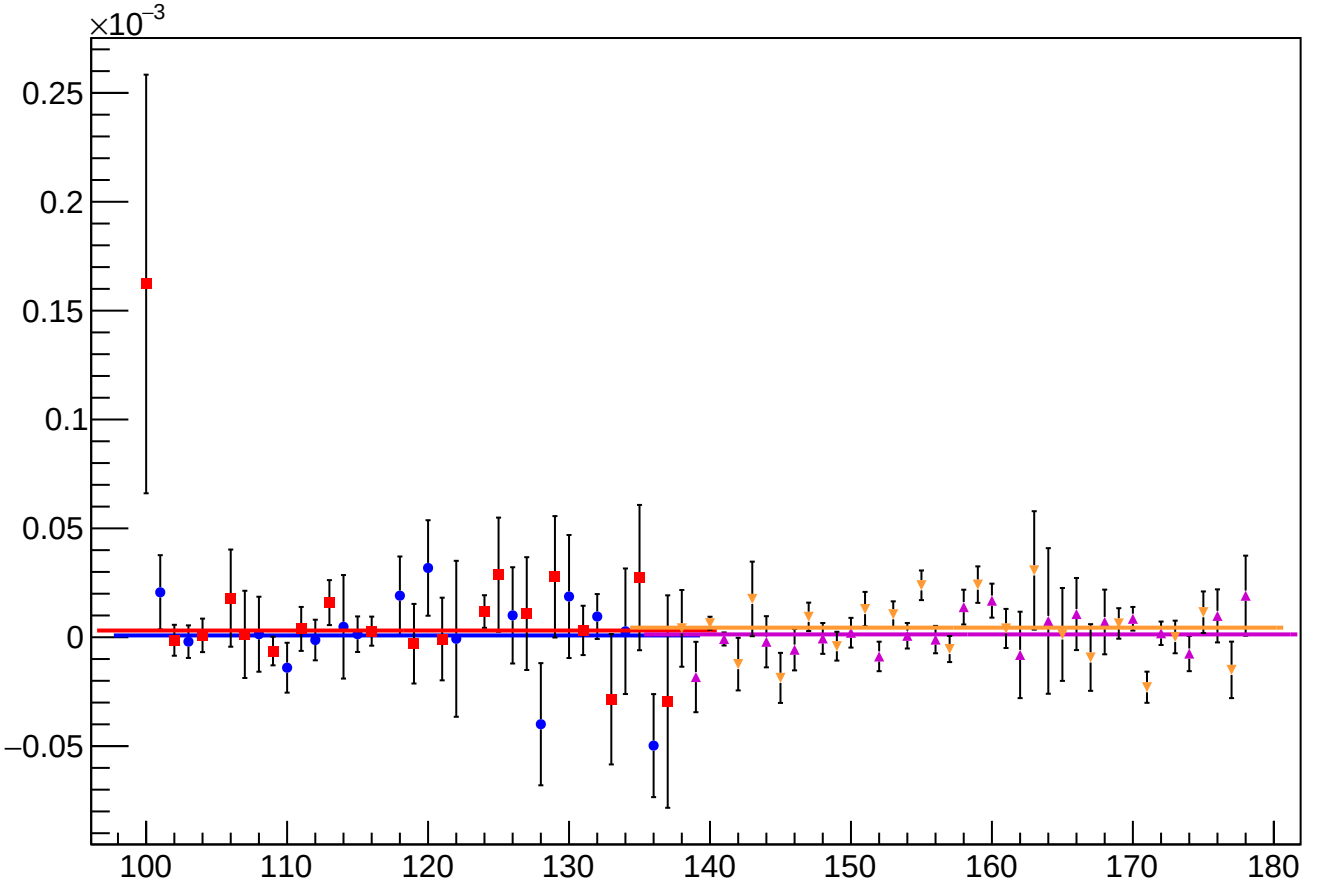
Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 222.641+/-0.041 χ^2/NDF:2158674.6/19

+ sign 185.559+/-0.029 χ^2/NDF: 6319300.0/36

All: 178.535+/-0.020 χ^2/NDF: 14248890.8/75

- sign 172.045+/-0.028 χ^2/NDF: 7819437.0/38



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:47.5/20

Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

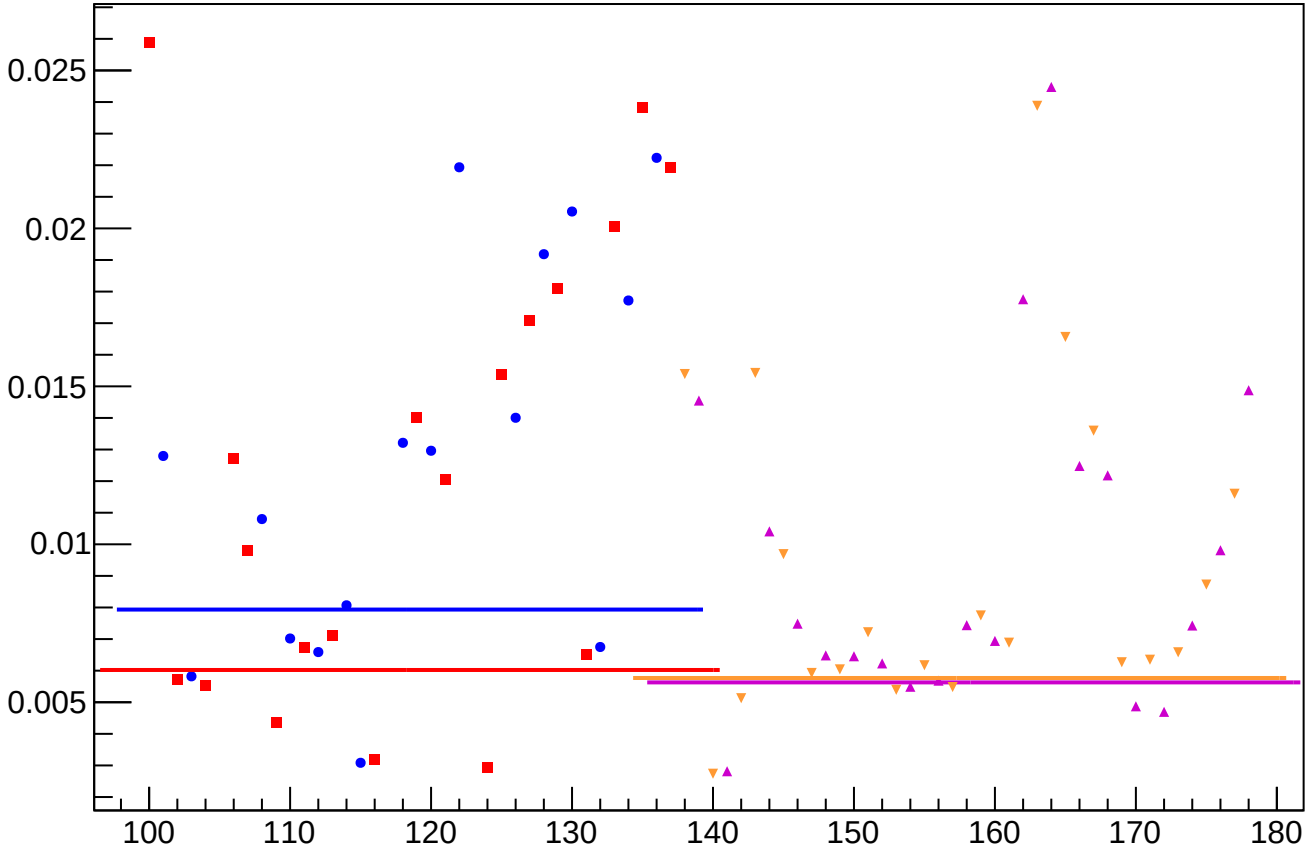
Left In: 0.000+/-0.000 χ^2/NDF:16.6/19

+ sign 0.000+/-0.000 χ^2/NDF: 62.6/36

All: 0.000+/-0.000 χ^2/NDF: 93.1/75

- sign 0.000+/-0.000 χ^2/NDF: 29.6/38

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.006+/-0.000 χ^2/NDF:6326707.7/20

Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

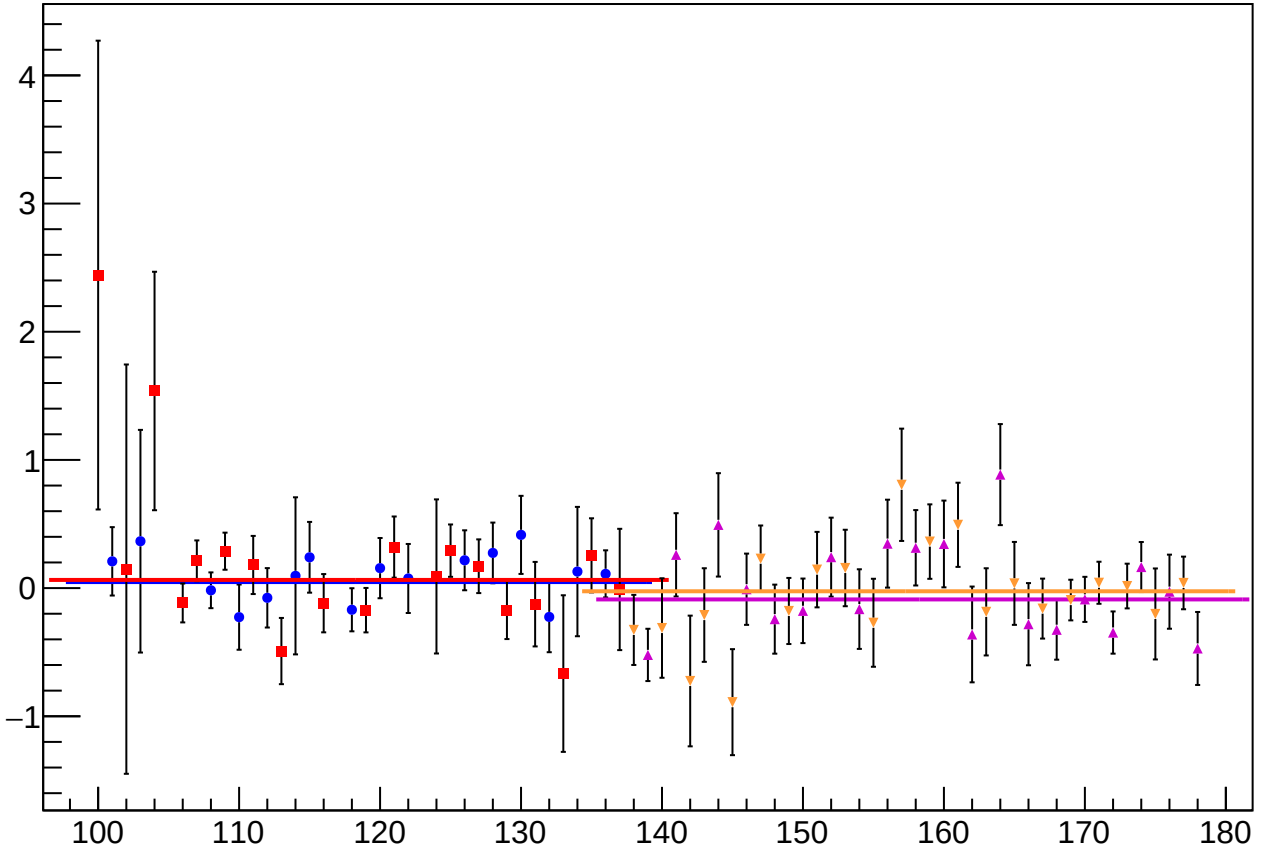
Left In: 0.006+/-0.000 χ^2/NDF:6063944.9/19

+ sign 0.006+/-0.000 χ^2/NDF: 10547188.3/36

All: 0.006+/-0.000 χ^2/NDF: 20741286.1/75

- sign 0.006+/-0.000 χ^2/NDF: 10105988.6/38

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.025+/-0.057 χ^2/NDF:20.0/20

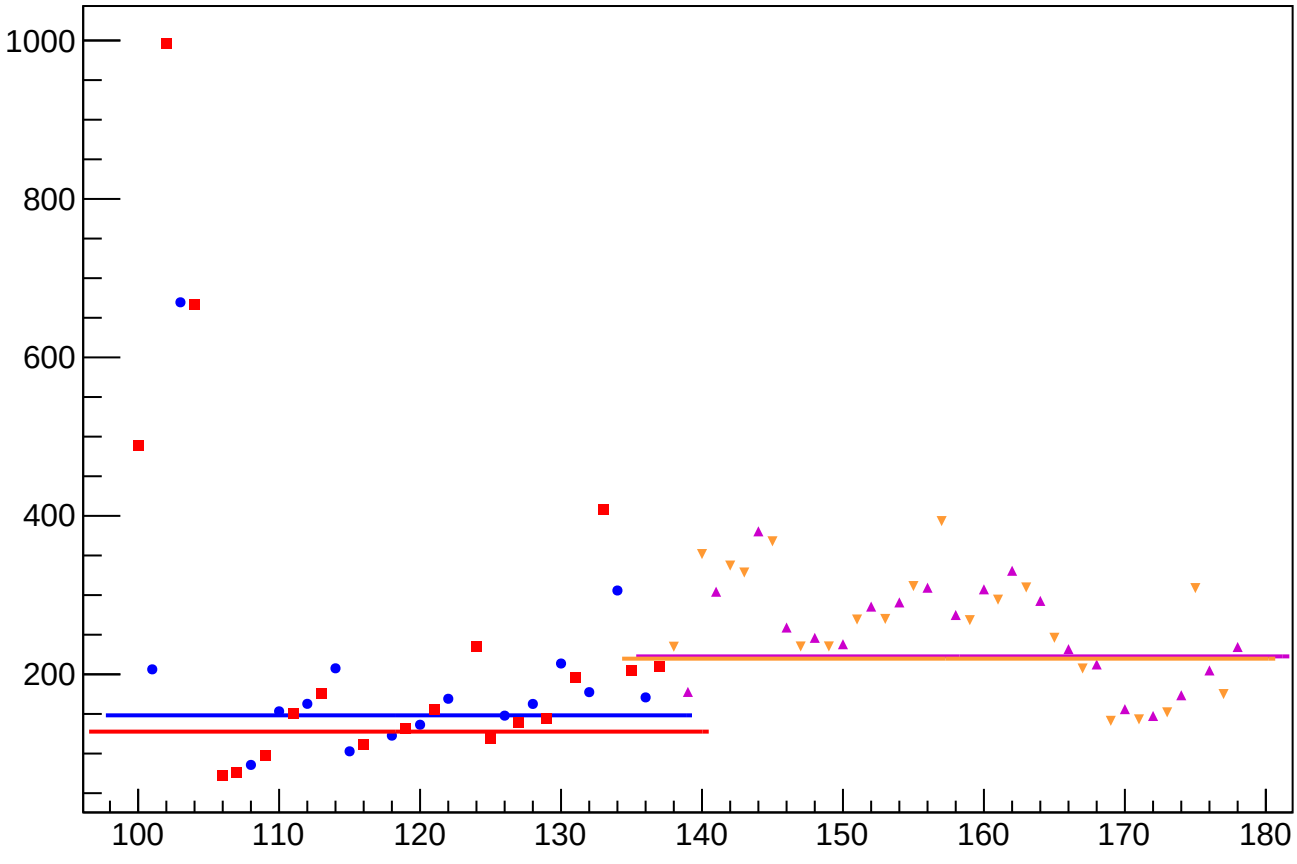
Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: -0.088+/-0.058 χ^2/NDF:28.6/19

+ sign 0.010+/-0.042 χ^2/NDF: 29.3/36

All: 0.001+/-0.029 χ^2/NDF: 83.9/75

- sign -0.007+/-0.040 χ^2/NDF: 54.5/38



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 219.767+/-0.041 χ^2/NDF:3127909.6/20

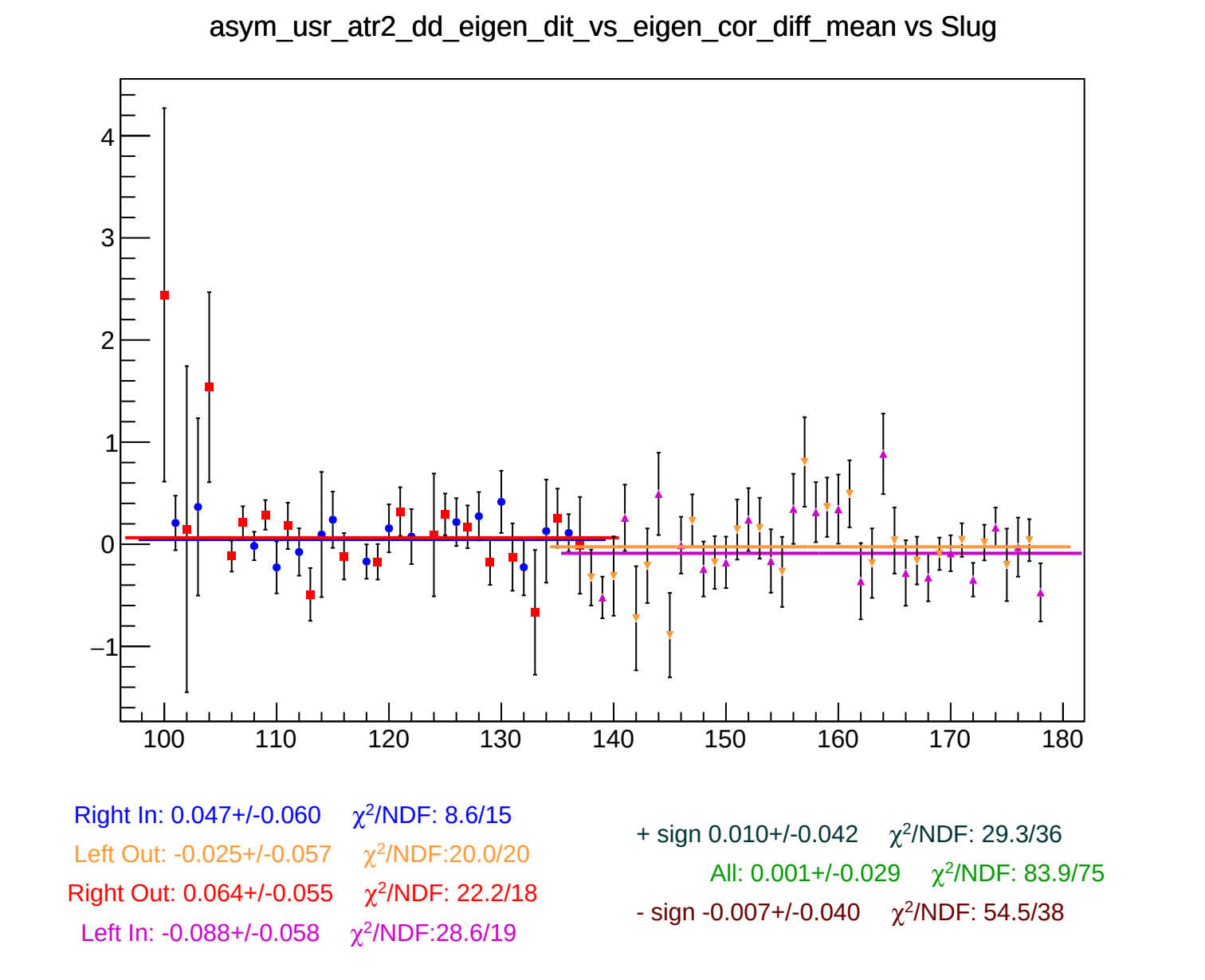
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

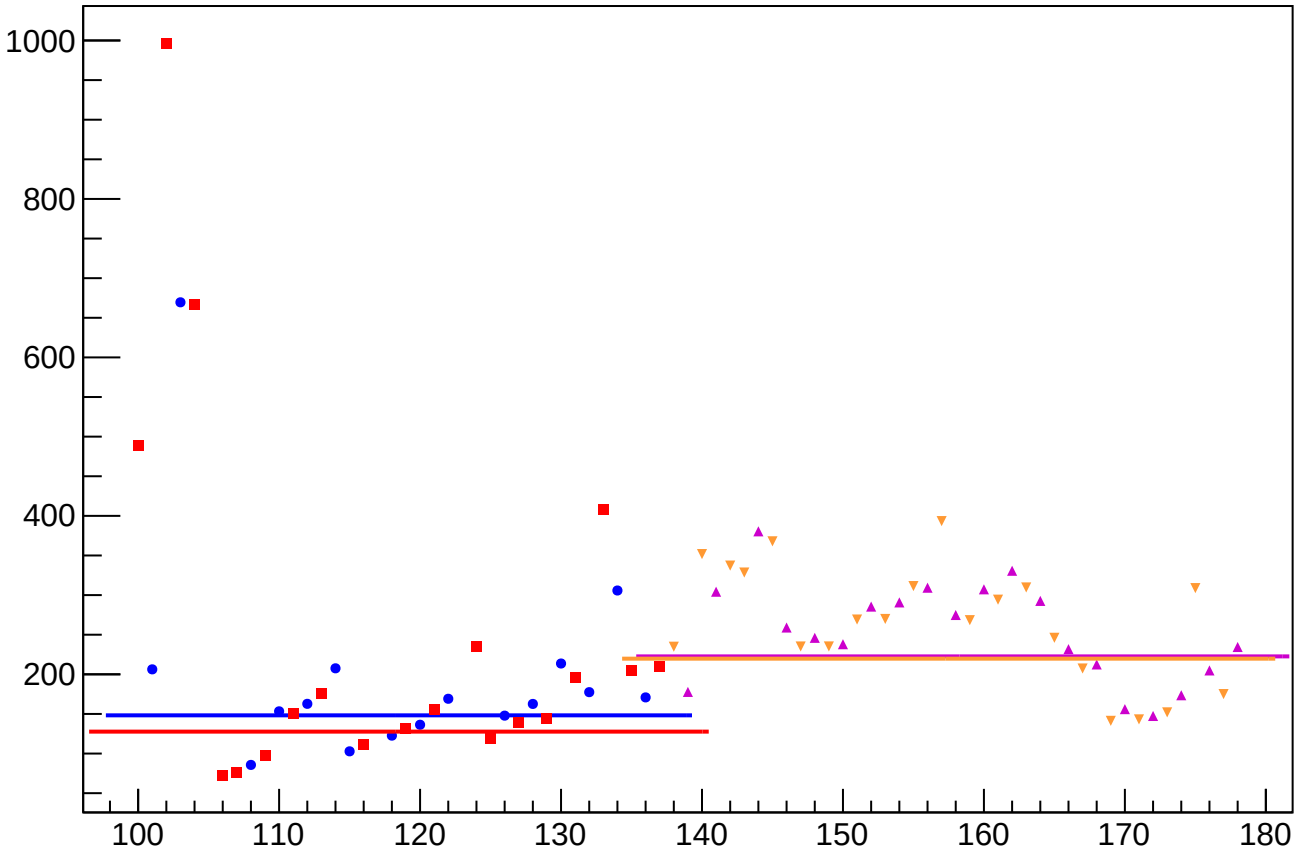
Left In: 222.642+/-0.041 χ^2/NDF:2158718.6/19

+ sign 185.557+/-0.029 χ^2/NDF: 6319648.6/36

All: 178.535+/-0.020 χ^2/NDF: 14249313.2/75

- sign 172.046+/-0.028 χ^2/NDF: 7819538.2/38


asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
180
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.025+/-0.057 χ²/NDF:20.0/20
Right Out: 0.064+/-0.055 χ²/NDF: 22.2/18
Left In: -0.088+/-0.058 χ²/NDF:28.6/19
+ sign 0.010+/-0.042 χ²/NDF: 29.3/36
All: 0.001+/-0.029 χ²/NDF: 83.9/75
- sign -0.007+/-0.040 χ²/NDF: 54.5/38



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 219.767+/-0.041 χ^2/NDF:3127909.6/20

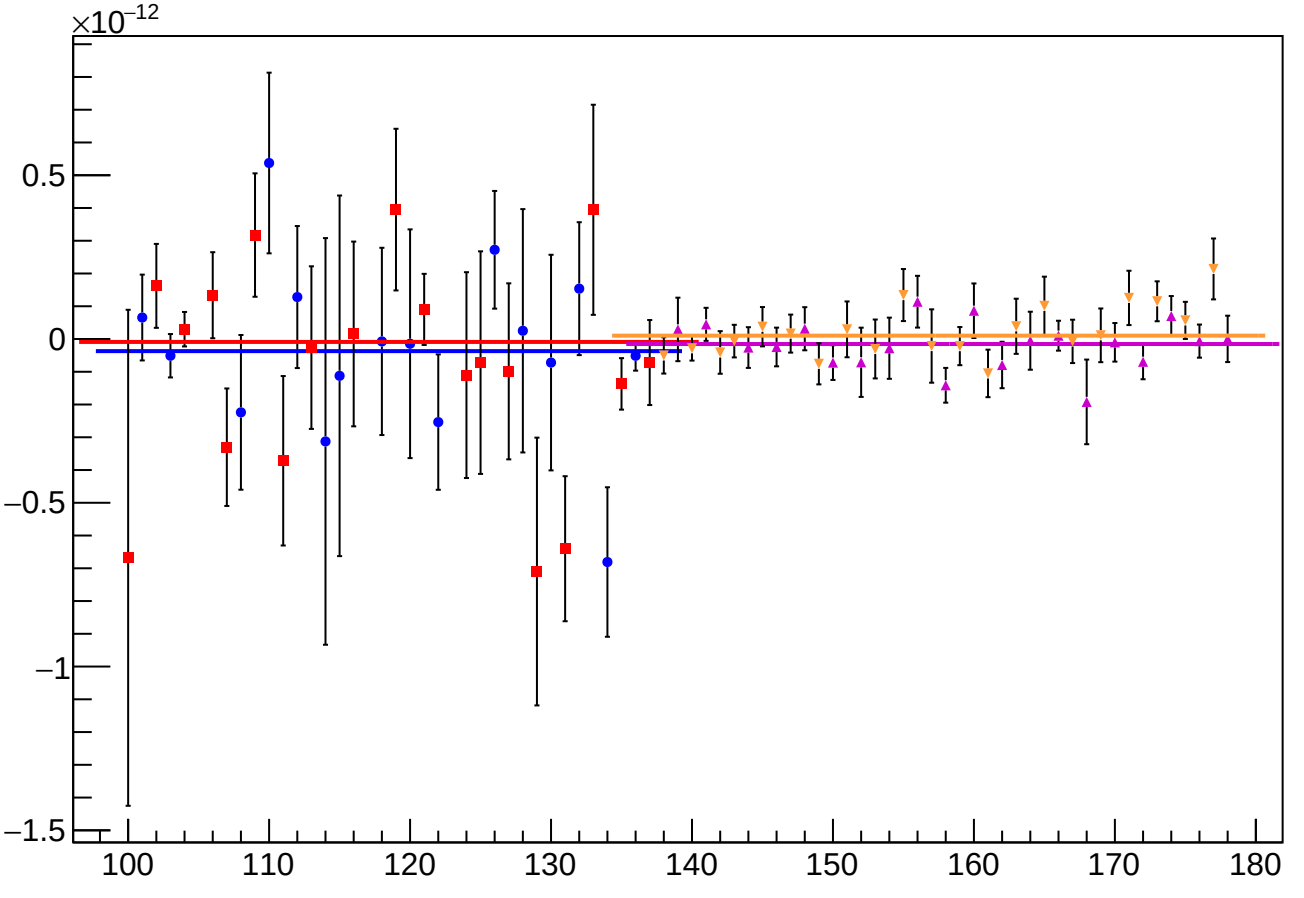
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 222.642+/-0.041 χ^2/NDF:2158718.6/19

+ sign 185.557+/-0.029 χ^2/NDF: 6319648.6/36

All: 178.535+/-0.020 χ^2/NDF: 14249313.2/75

- sign 172.046+/-0.028 χ^2/NDF: 7819538.2/38



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.3/20

Right Out: -0.000+/-0.000 χ^2/NDF: 31.8/18

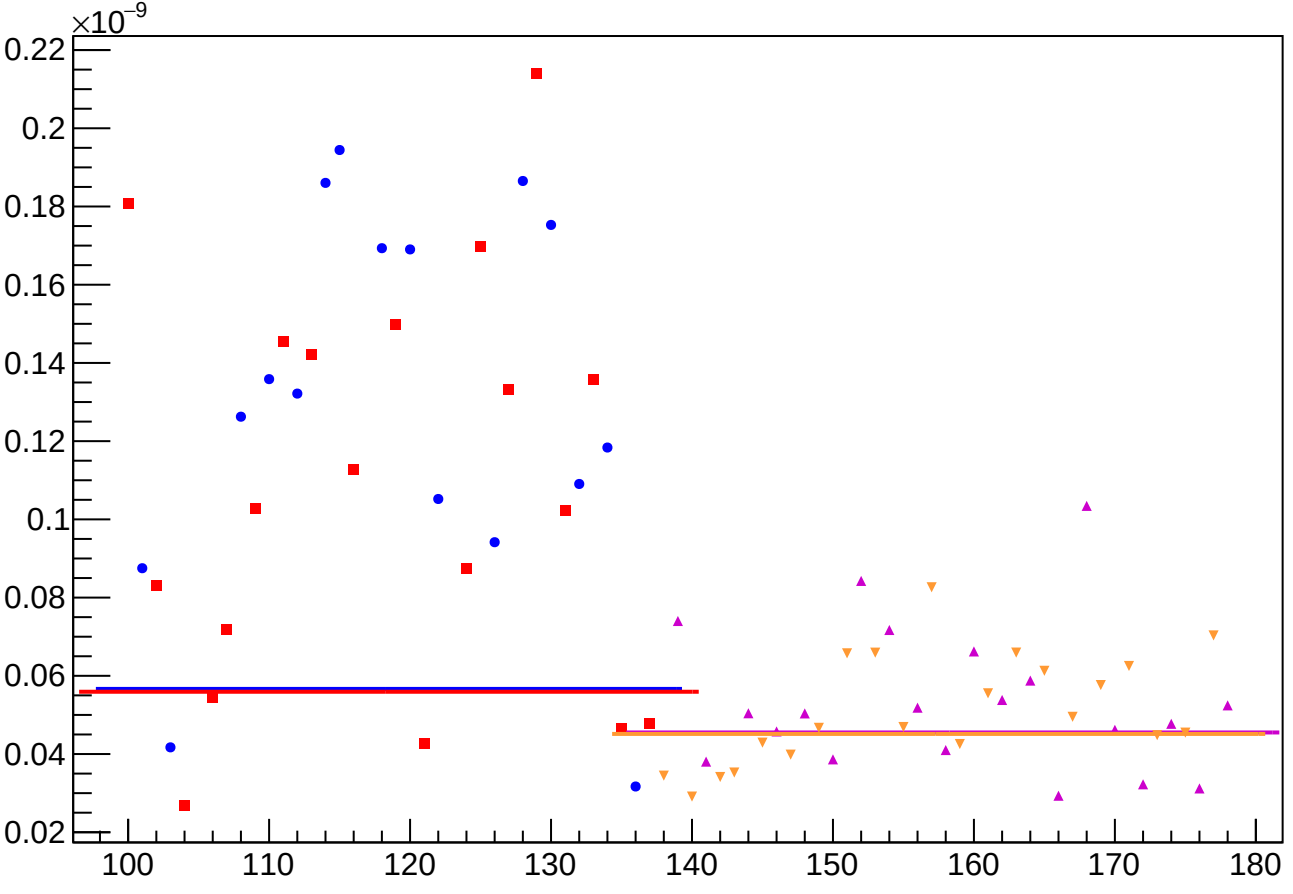
Left In: -0.000+/-0.000 χ^2/NDF:19.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 43.5/36

All: -0.000+/-0.000 χ^2/NDF: 95.7/75

- sign -0.000+/-0.000 χ^2/NDF: 51.3/38

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3113213.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1564915.1/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2732977.9/18

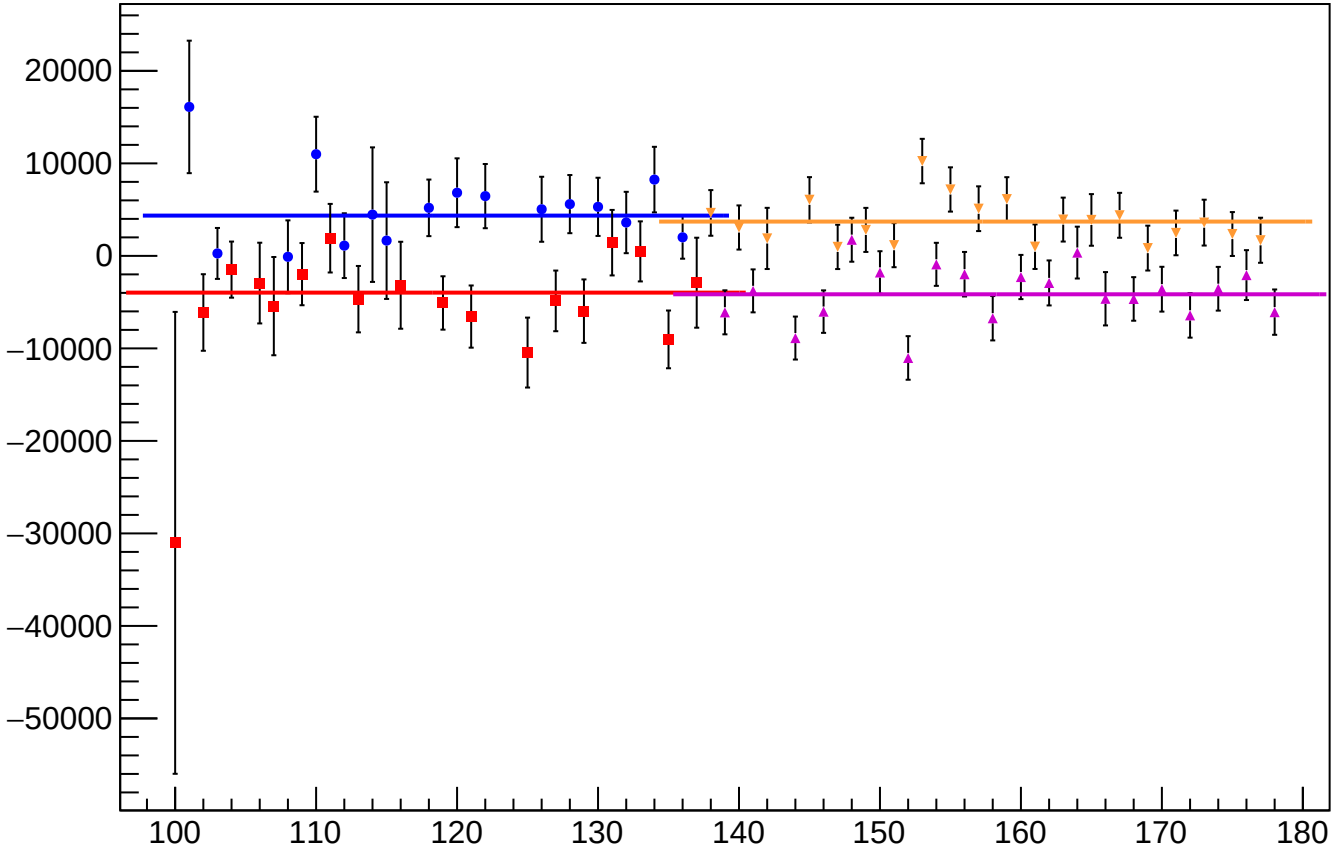
Left In: 0.000+/-0.000 χ^2/NDF:1882291.8/19

+ sign 0.000+/-0.000 χ^2/NDF: 4892614.8/36

All: 0.000+/-0.000 χ^2/NDF: 9684356.1/75

- sign 0.000+/-0.000 χ^2/NDF: 4791400.4/38

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3709.311+/-548.839 χ^2/NDF:19.0/19

Right Out: -3971.679+/-871.305 χ^2/NDF: 16.2/17

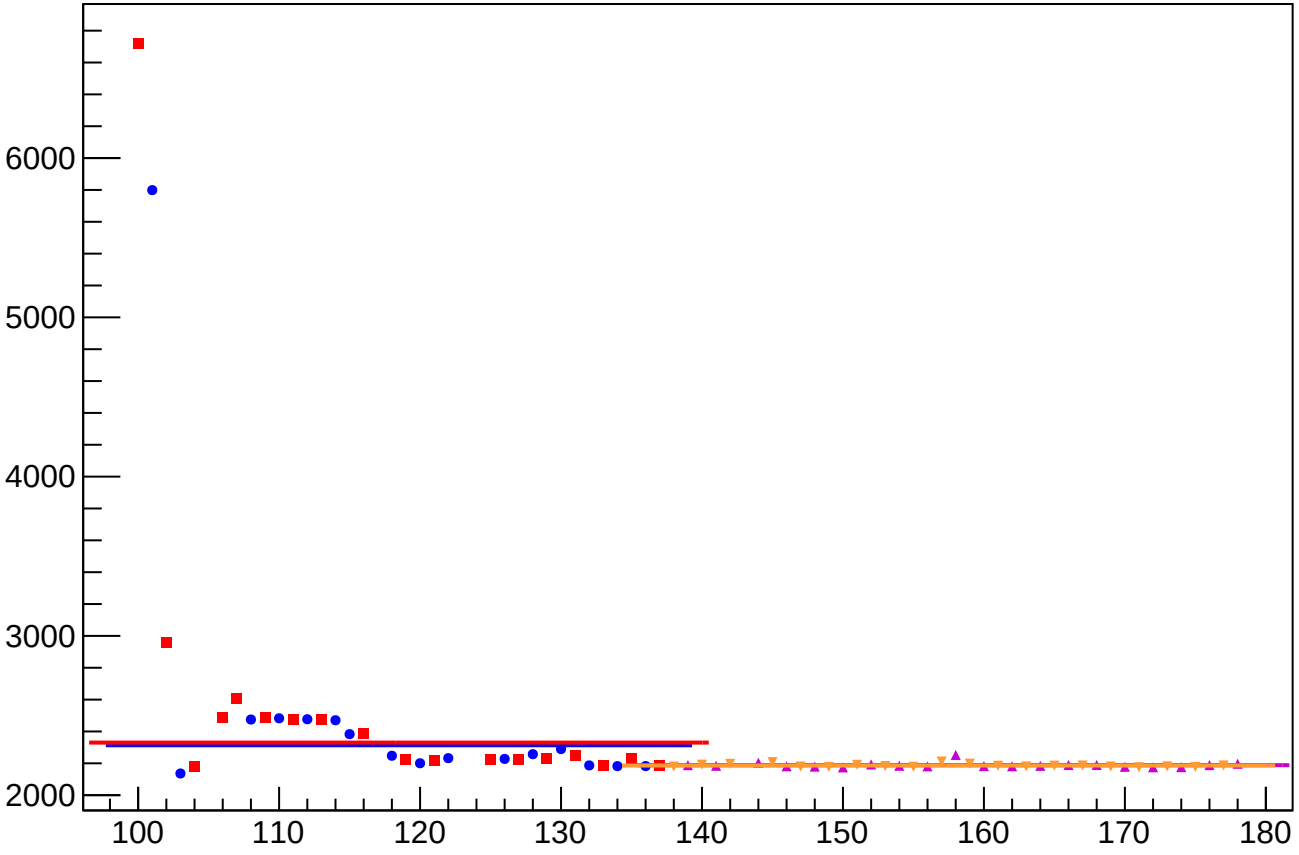
Left In: -4151.280+/-541.283 χ^2/NDF:30.9/19

+ sign 3891.391+/-464.968 χ^2/NDF: 32.7/35

All: -149.747+/-326.934 χ^2/NDF: 229.2/73

- sign -4101.268+/-459.784 χ^2/NDF: 47.1/37

reg_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2186.100+/-0.388 χ^2/NDF:634.8/19

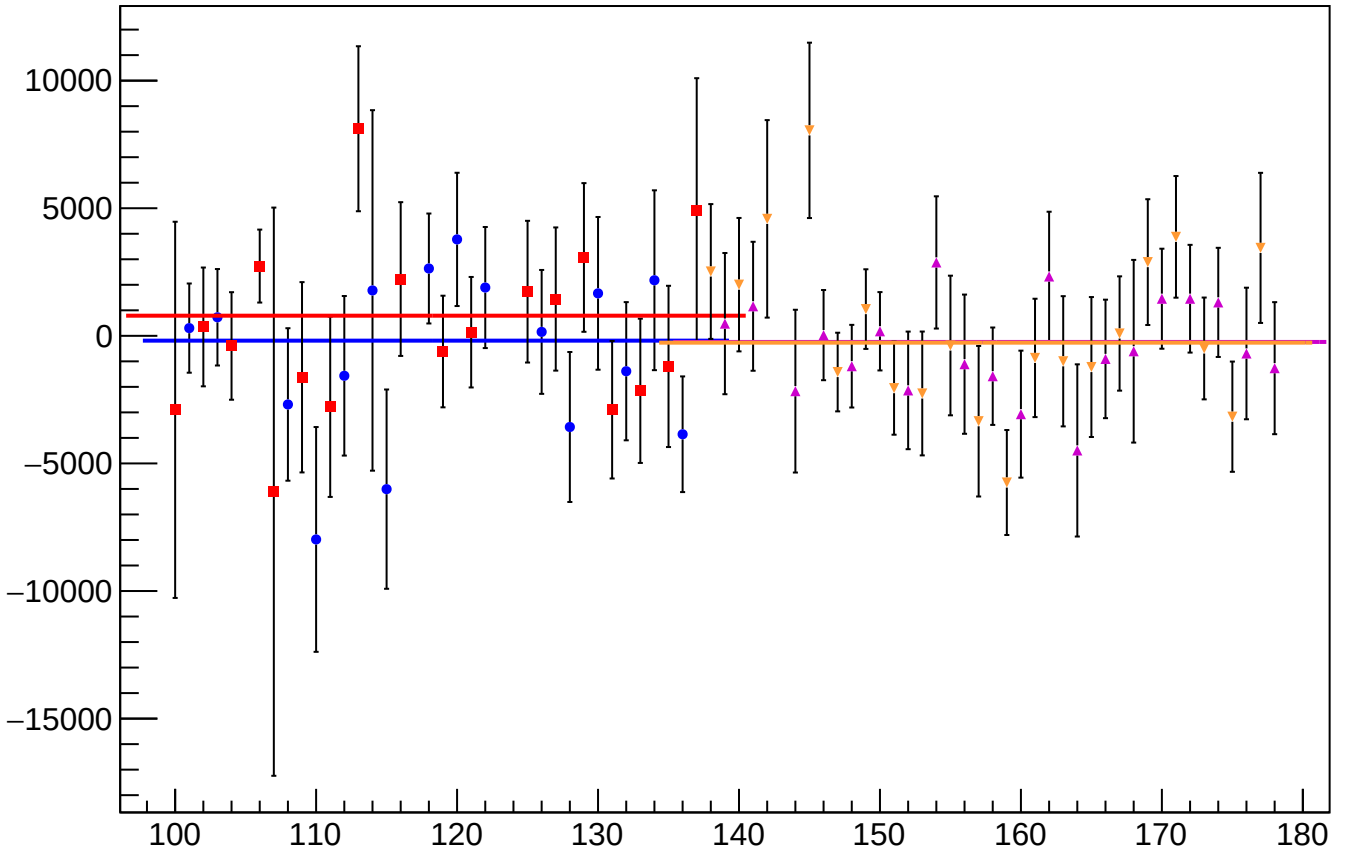
Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2188.344+/-0.383 χ^2/NDF:1887.1/19

+ sign 2222.038+/-0.329 χ^2/NDF: 543384.8/35

All: 2224.974+/-0.231 χ^2/NDF: 734891.8/73

- sign 2227.846+/-0.325 χ^2/NDF: 191349.2/37



Right In: -188.660+/-658.334 χ^2/NDF: 16.4/15

Left Out: -267.581+/-511.532 χ^2/NDF:28.8/19

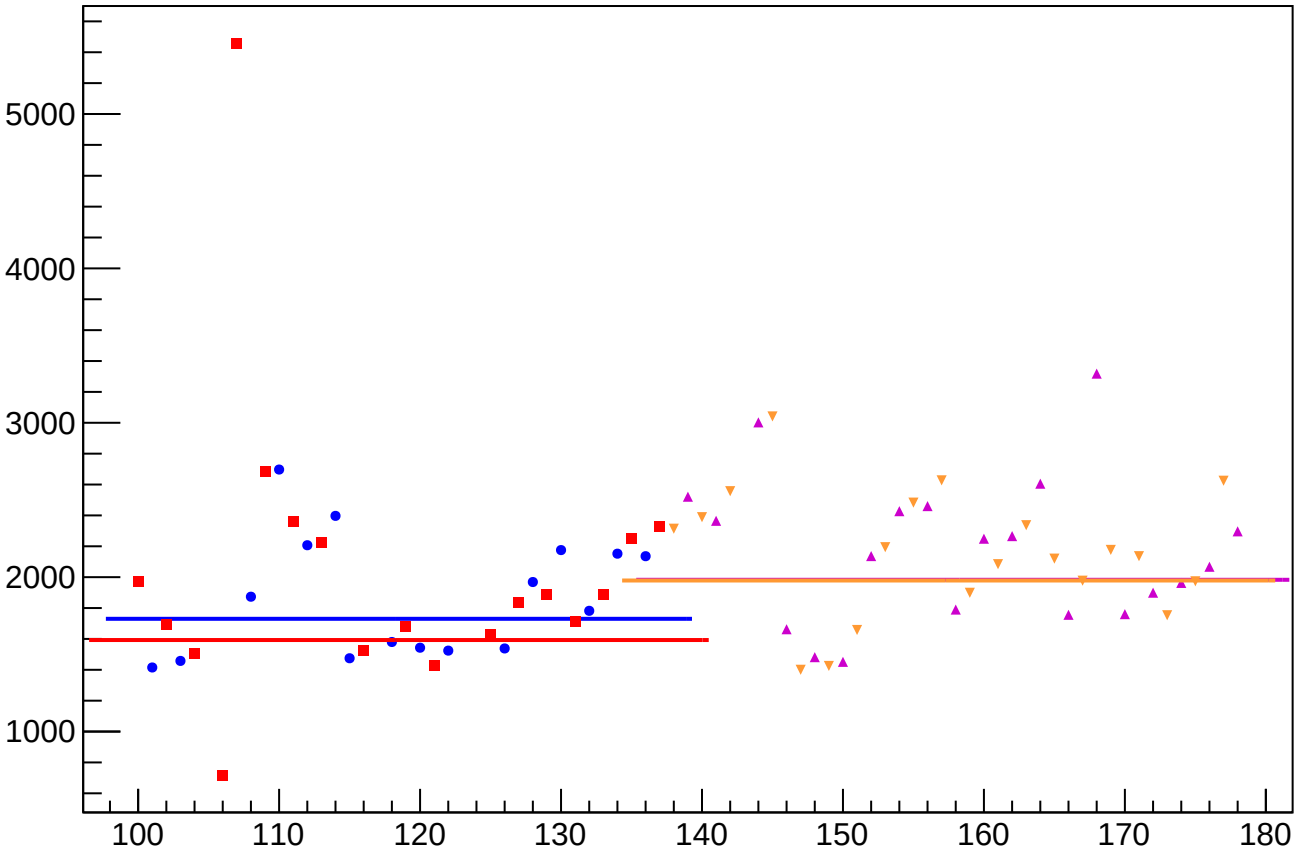
Right Out: 789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: -239.549+/-504.464 χ^2/NDF:10.0/19

+ sign -237.870+/-403.929 χ^2/NDF: 45.2/35

All: -35.177+/-282.399 χ^2/NDF: 72.2/73

- sign 158.621+/-394.967 χ^2/NDF: 26.5/37



Right In: 1730.288+/-0.466 χ^2/NDF: 478932.0/15

Left Out: 1978.431+/-0.362 χ^2/NDF:1288419.6/19

Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

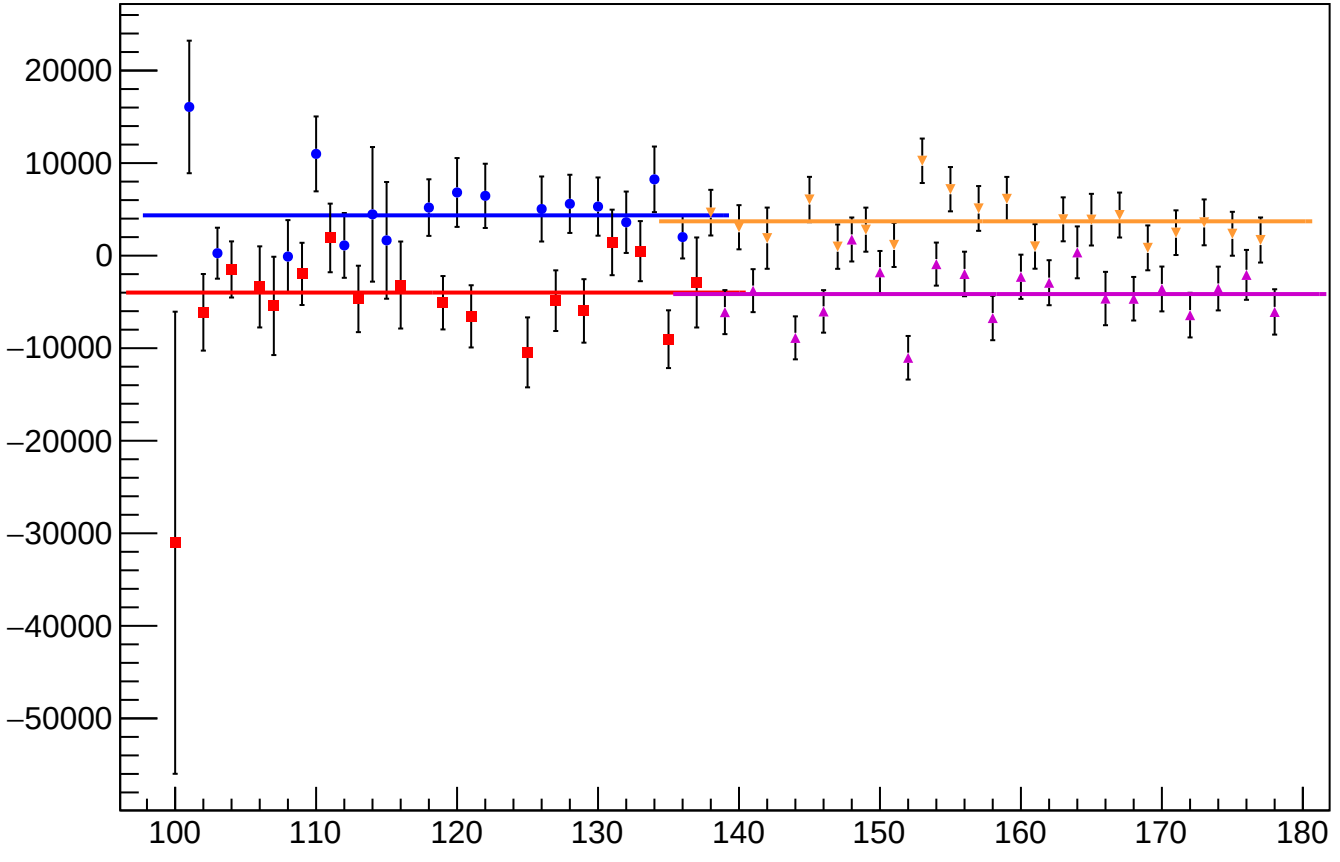
Left In: 1983.000+/-0.357 χ^2/NDF:1446119.7/19

+ sign 1885.015+/-0.286 χ^2/NDF: 1944528.6/35

All: 1857.914+/-0.200 χ^2/NDF: 5427486.7/73

- sign 1832.003+/-0.279 χ^2/NDF: 3465347.2/37

cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3709.256+/-548.839 χ^2/NDF:19.0/19

Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

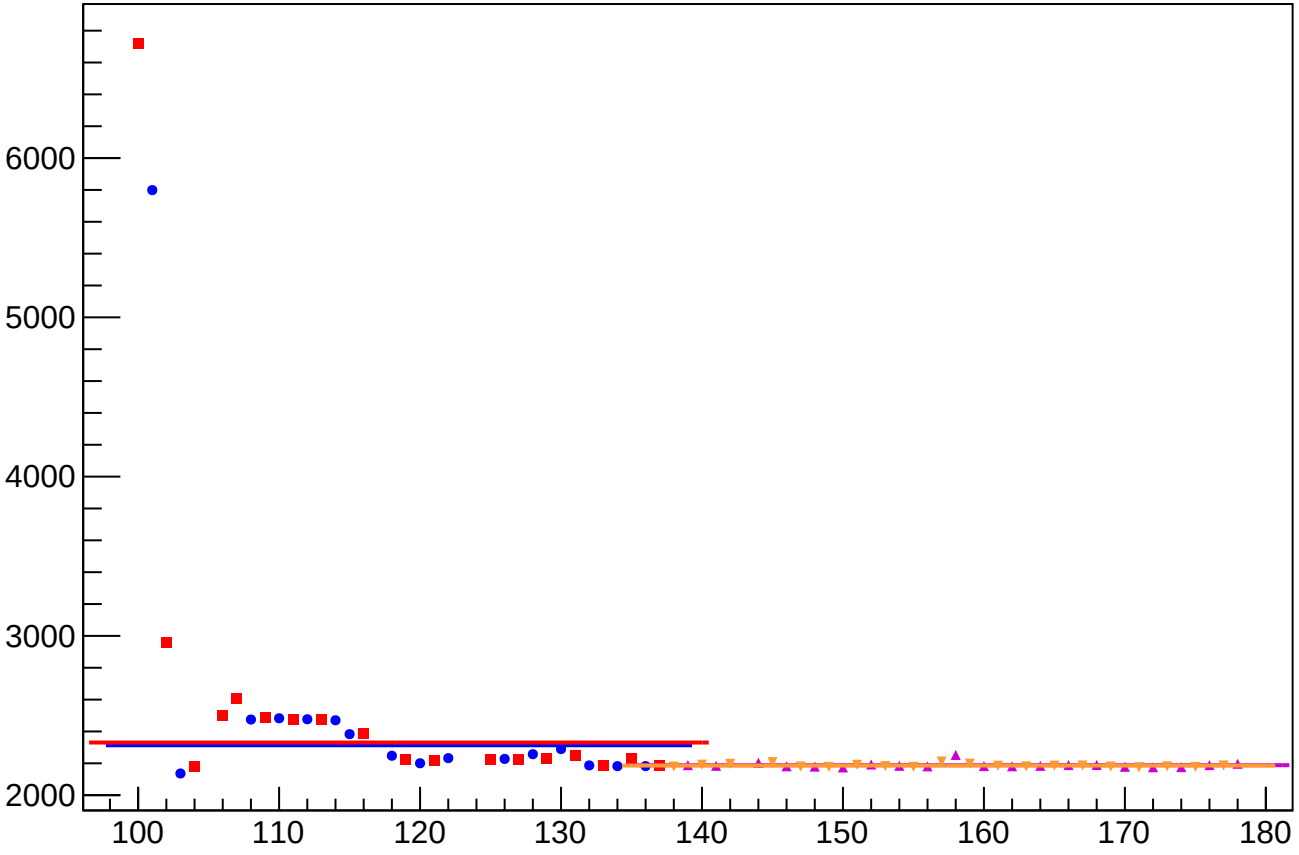
Left In: -4151.371+/-541.283 χ^2/NDF:30.9/19

+ sign 3891.160+/-464.968 χ^2/NDF: 32.7/35

All: -152.271+/-326.942 χ^2/NDF: 229.4/73

- sign -4106.414+/-459.806 χ^2/NDF: 47.1/37

cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2186.100+/-0.388 χ^2/NDF:634.8/19

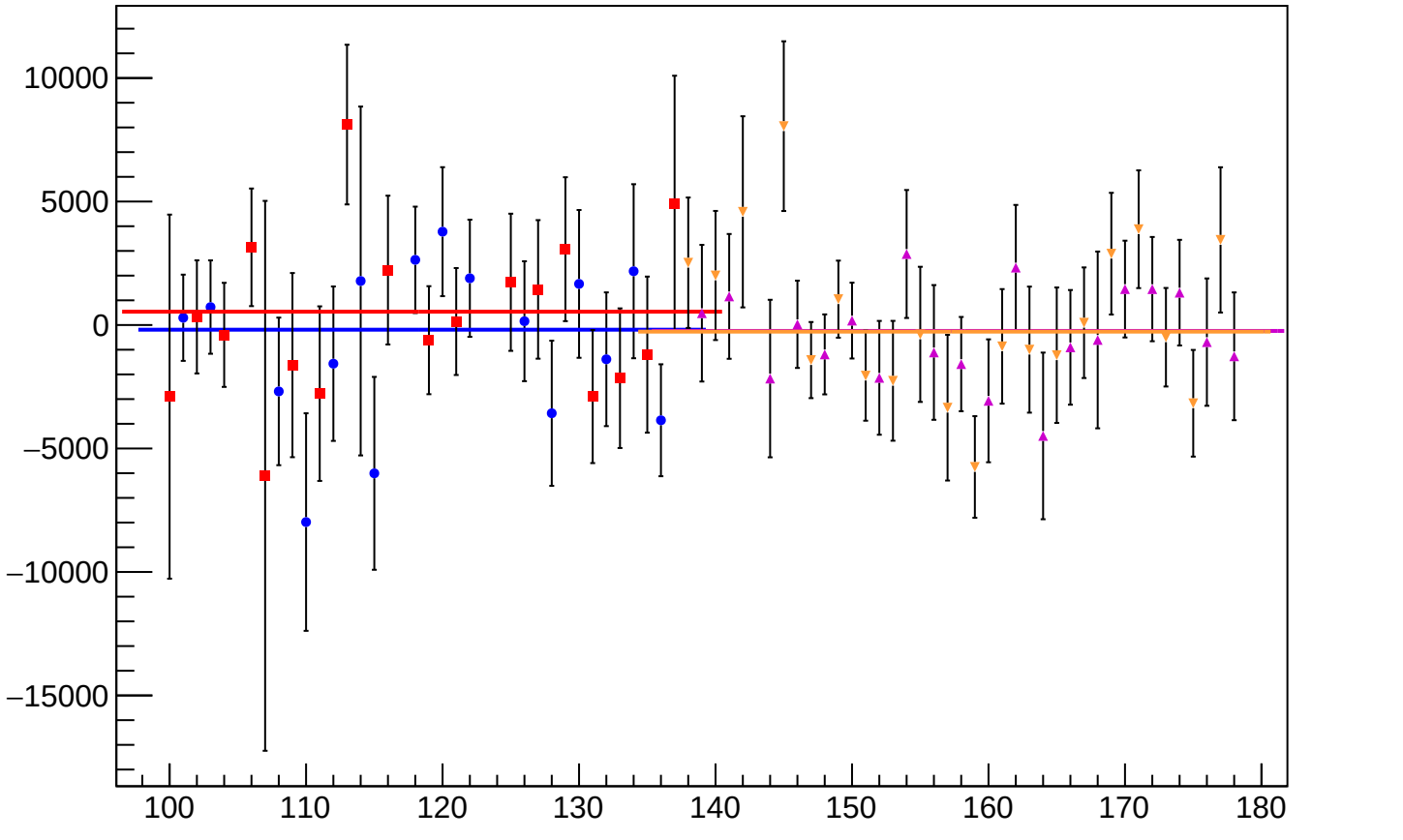
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2188.344+/-0.383 χ^2/NDF:1887.1/19

+ sign 2222.038+/-0.329 χ^2/NDF: 543385.2/35

All: 2225.021+/-0.231 χ^2/NDF: 735433.2/73

- sign 2227.939+/-0.325 χ^2/NDF: 191885.2/37



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: -267.678+/-511.531 χ^2/NDF:28.8/19

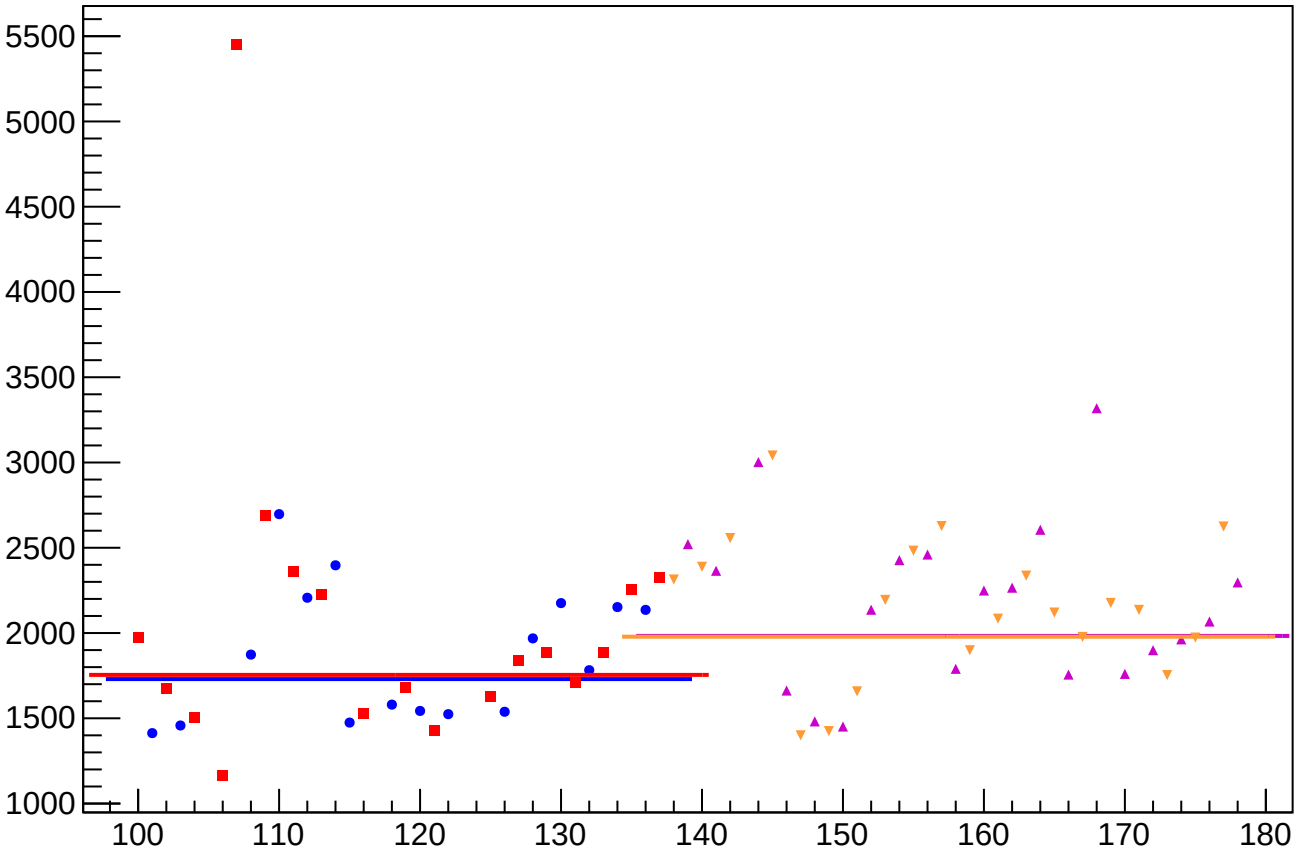
Right Out: 539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: -239.643+/-504.465 χ^2/NDF:10.0/19

+ sign -238.339+/-403.899 χ^2/NDF: 45.2/35

All: -100.524+/-285.907 χ^2/NDF: 70.2/73

- sign 37.888+/-404.771 χ^2/NDF: 24.8/37



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1978.426+/-0.362 χ^2/NDF:1288465.7/19

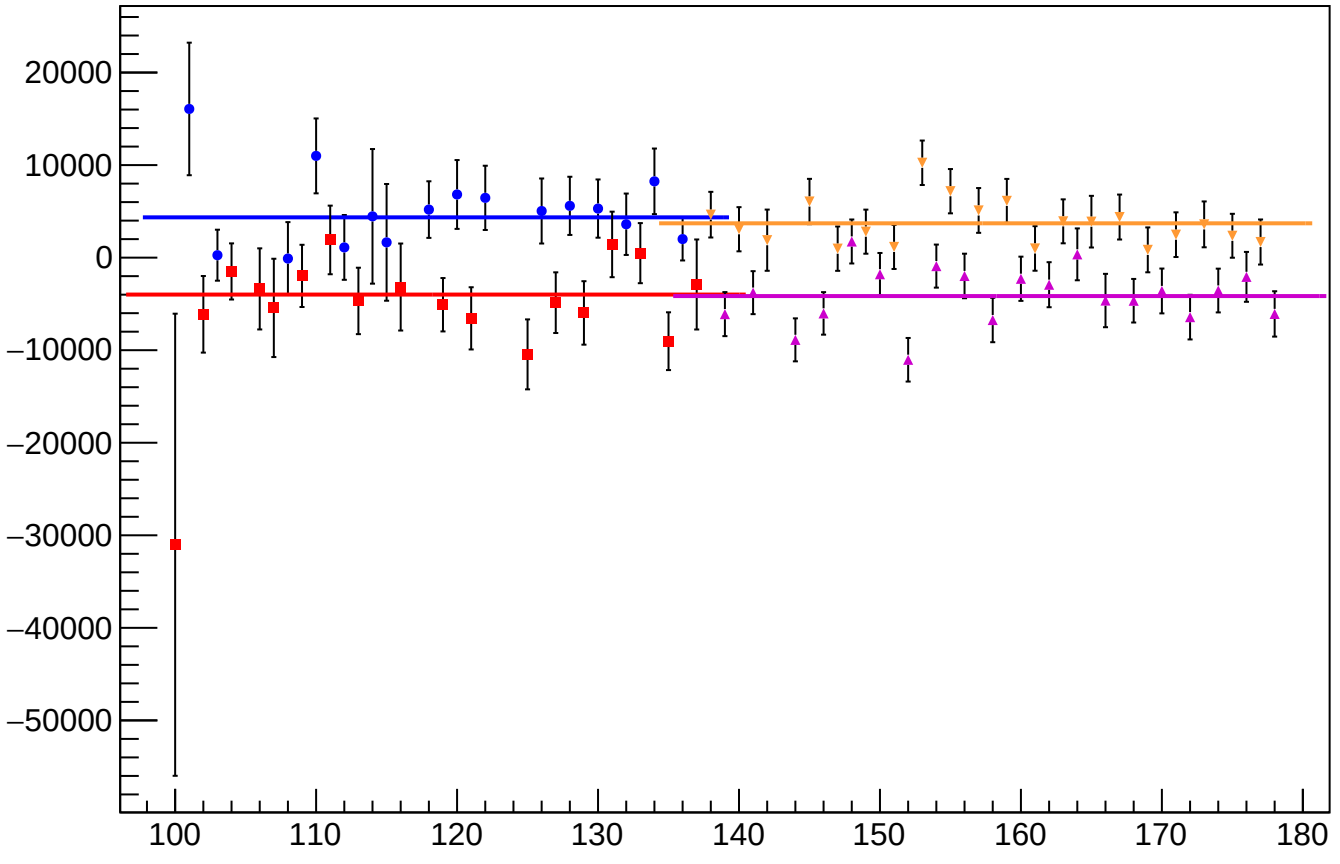
Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1983.006+/-0.357 χ^2/NDF:1446143.0/19

+ sign 1884.843+/-0.286 χ^2/NDF: 1946134.4/35

All: 1893.215+/-0.202 χ^2/NDF: 4291143.0/73

- sign 1901.624+/-0.286 χ^2/NDF: 2343286.1/37



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3709.256+/-548.839 χ^2/NDF:19.0/19

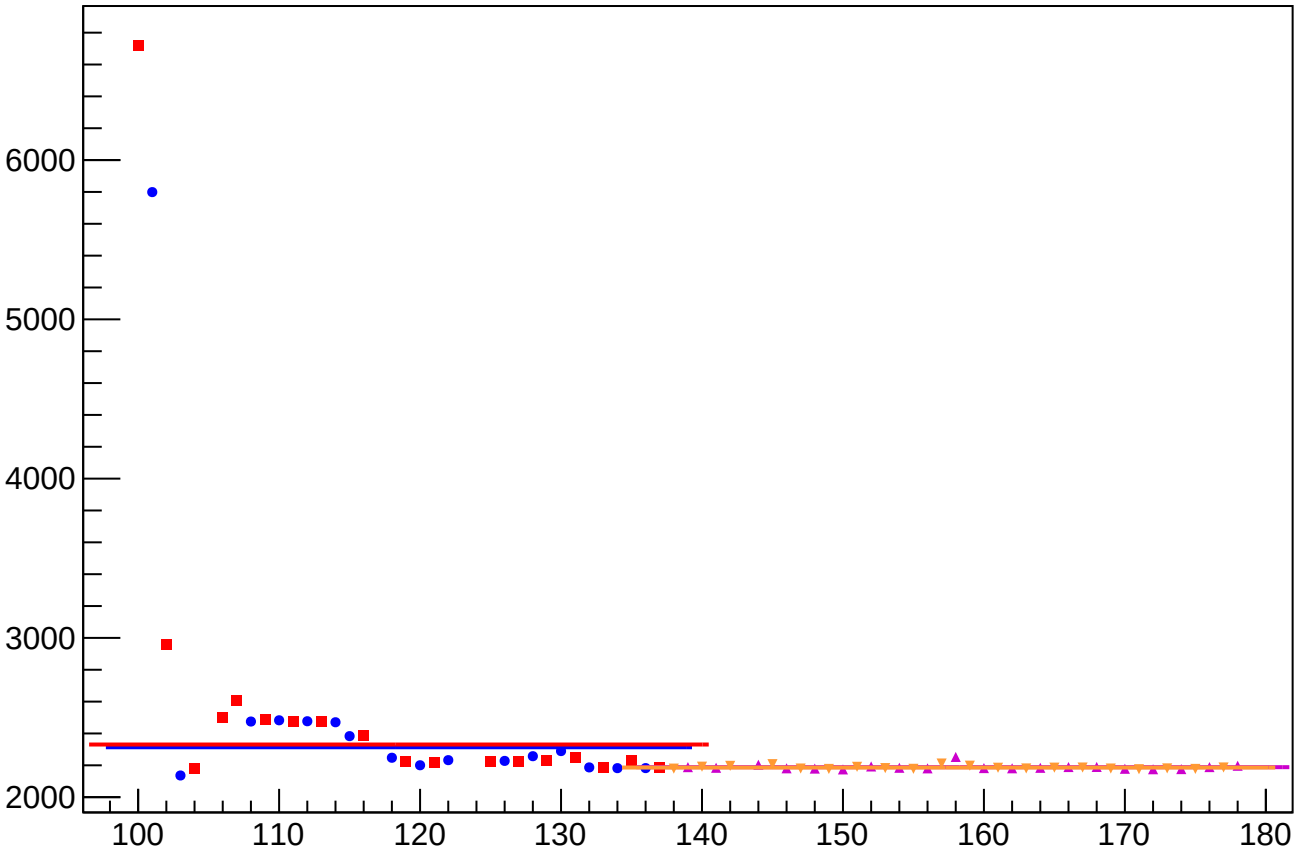
Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: -4151.371+/-541.283 χ^2/NDF:30.9/19

+ sign 3891.160+/-464.968 χ^2/NDF: 32.7/35

All: -152.271+/-326.942 χ^2/NDF: 229.4/73

- sign -4106.414+/-459.806 χ^2/NDF: 47.1/37



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2186.100+/-0.388 χ^2/NDF:634.8/19

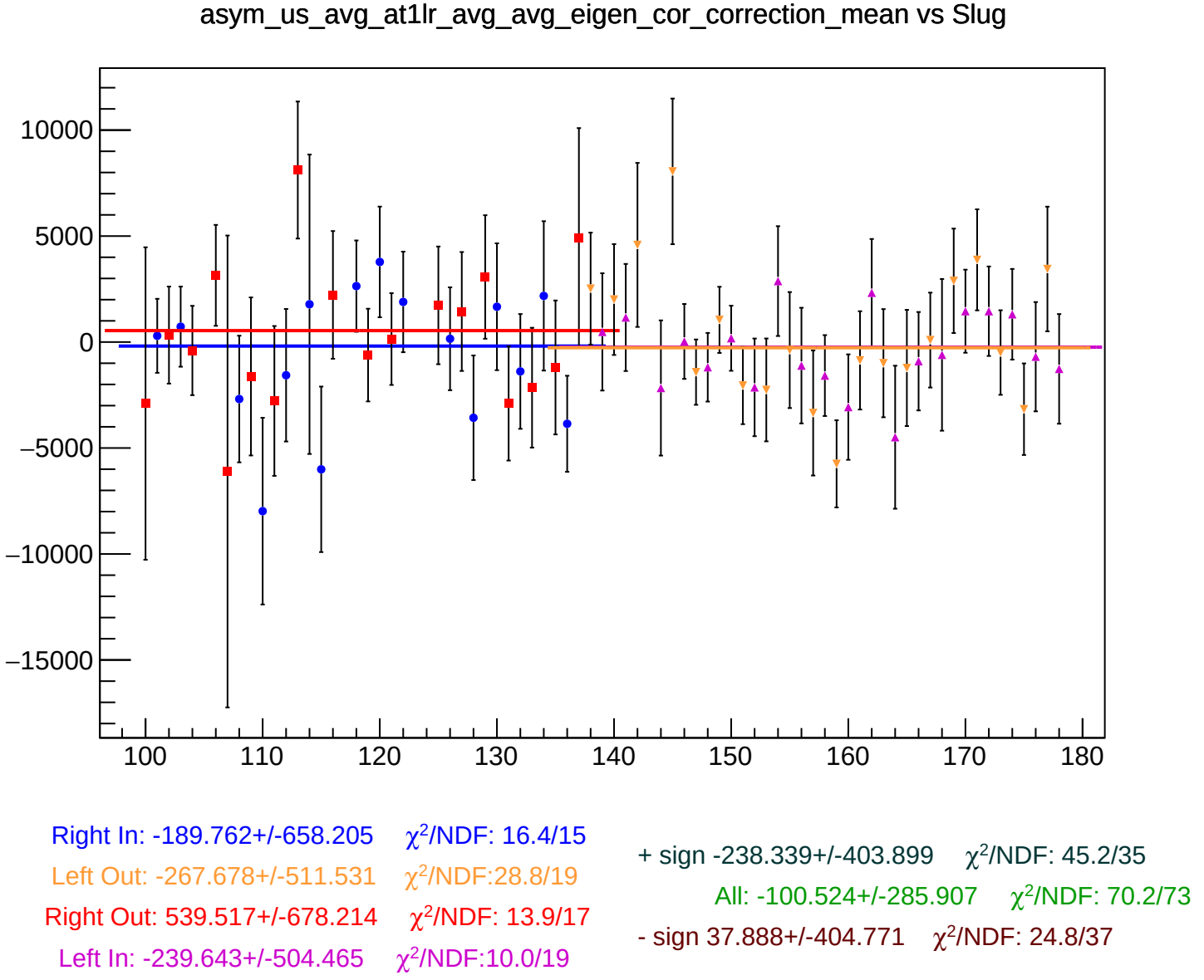
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

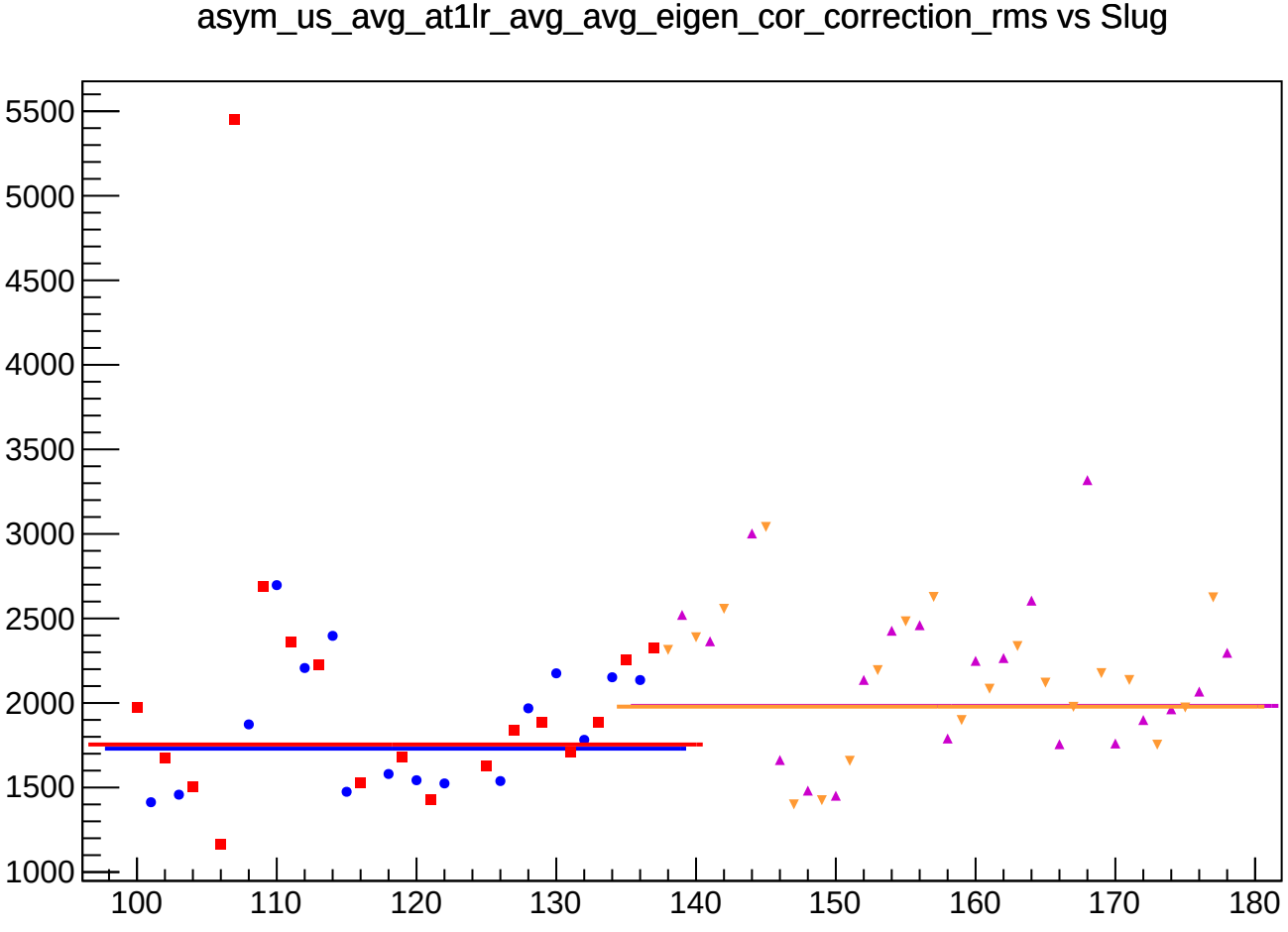
Left In: 2188.344+/-0.383 χ^2/NDF:1887.1/19

+ sign 2222.038+/-0.329 χ^2/NDF: 543385.2/35

All: 2225.021+/-0.231 χ^2/NDF: 735433.2/73

- sign 2227.939+/-0.325 χ^2/NDF: 191885.2/37


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: -267.678+/-511.531 χ²/NDF:28.8/19
Right Out: 539.517+/-678.214 χ²/NDF: 13.9/17
Left In: -239.643+/-504.465 χ²/NDF:10.0/19
+ sign -238.339+/-403.899 χ²/NDF: 45.2/35
All: -100.524+/-285.907 χ²/NDF: 70.2/73
- sign 37.888+/-404.771 χ²/NDF: 24.8/37



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1978.426+/-0.362 χ^2/NDF:1288465.7/19

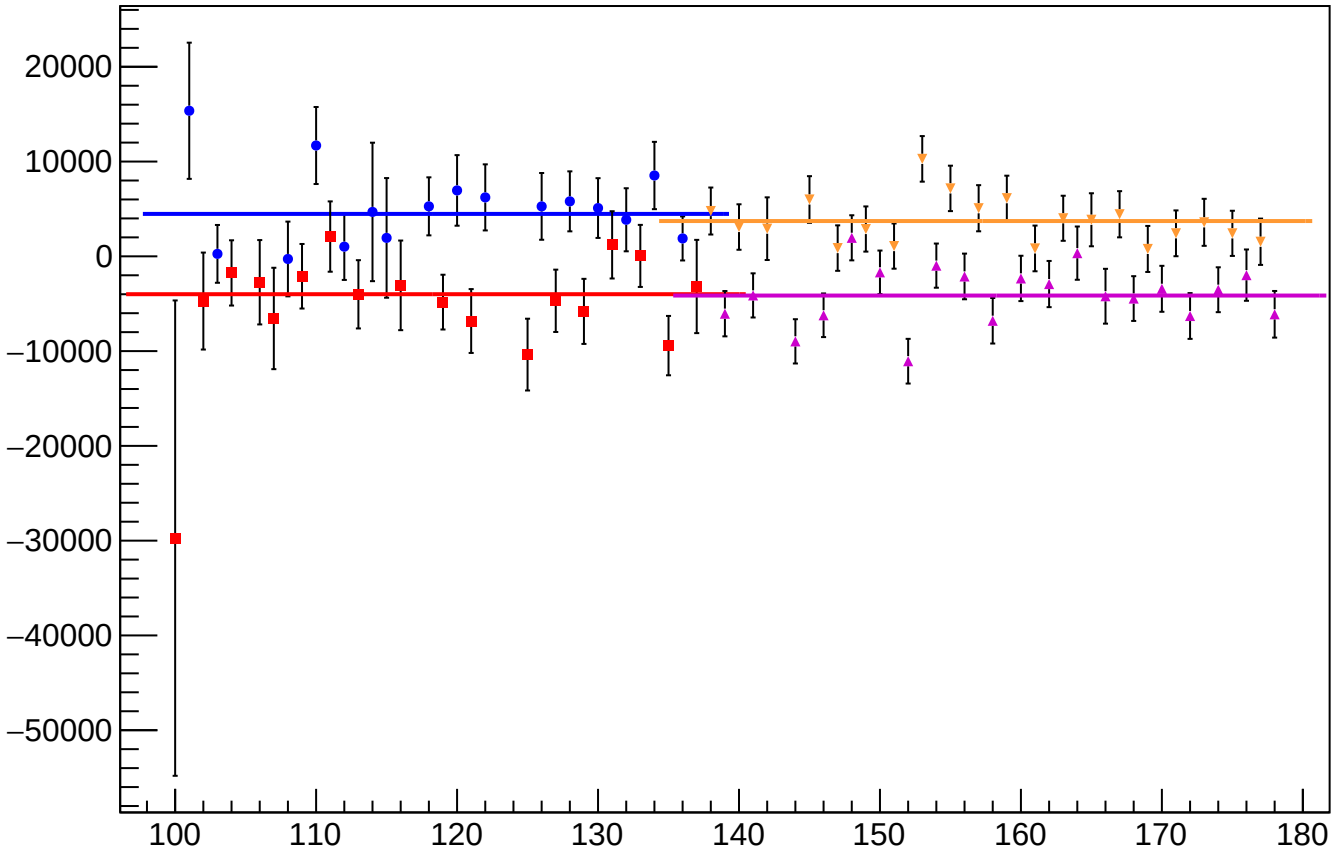
Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1983.006+/-0.357 χ^2/NDF:1446143.0/19

+ sign 1884.843+/-0.286 χ^2/NDF: 1946134.4/35

All: 1893.215+/-0.202 χ^2/NDF: 4291143.0/73

- sign 1901.624+/-0.286 χ^2/NDF: 2343286.1/37



Right In: 4476.431+/-886.087 χ^2/NDF: 13.5/15

Left Out: 3723.278+/-550.198 χ^2/NDF:19.2/19

Right Out: -3995.807+/-890.441 χ^2/NDF: 15.5/17

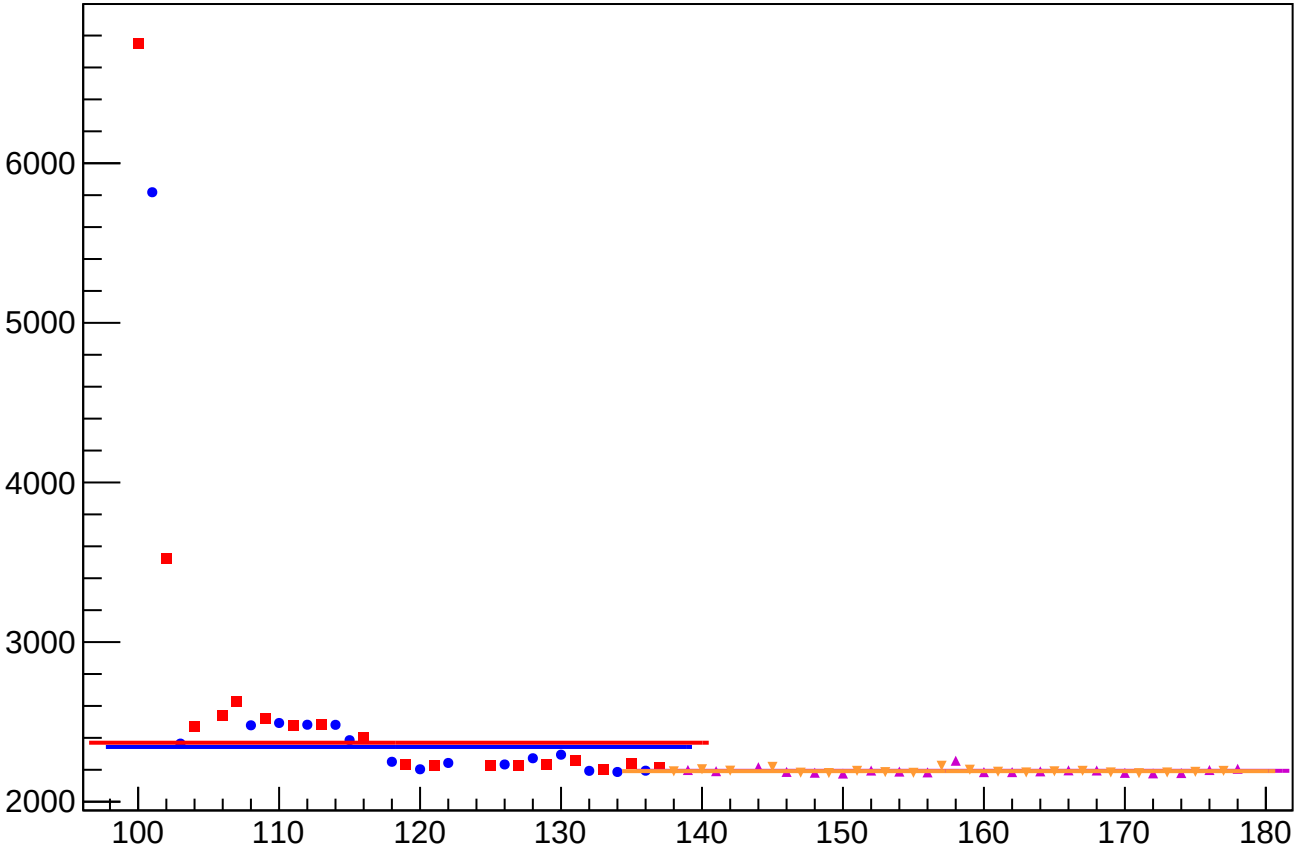
Left In: -4137.835+/-542.575 χ^2/NDF:31.4/19

\+ sign 3932.856+/-467.420 χ^2/NDF: 33.2/35

All: -118.512+/-329.062 χ^2/NDF: 229.1/73

\- sign -4099.380+/-463.335 χ^2/NDF: 46.9/37

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2191.430+/-0.389 χ^2/NDF:972.2/19

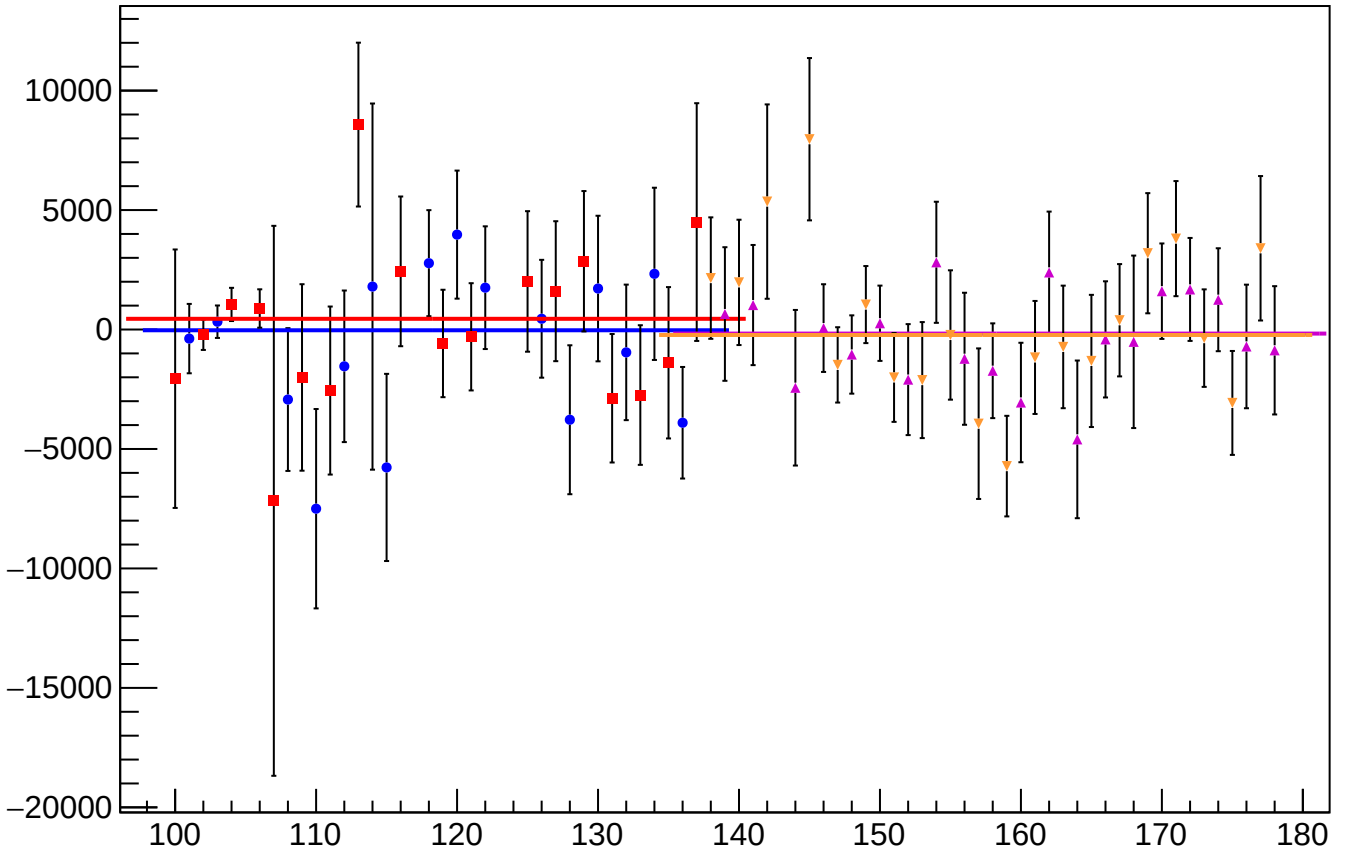
Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2193.512+/-0.384 χ^2/NDF:2126.0/19

+ sign 2233.583+/-0.331 χ^2/NDF: 546026.2/35

All: 2237.416+/-0.233 χ^2/NDF: 815584.7/73

- sign 2241.182+/-0.328 χ^2/NDF: 269292.0/37



Right In: -31.393+/-485.329 χ^2/NDF: 16.3/15

Left Out: -228.561+/-520.589 χ^2/NDF:28.5/19

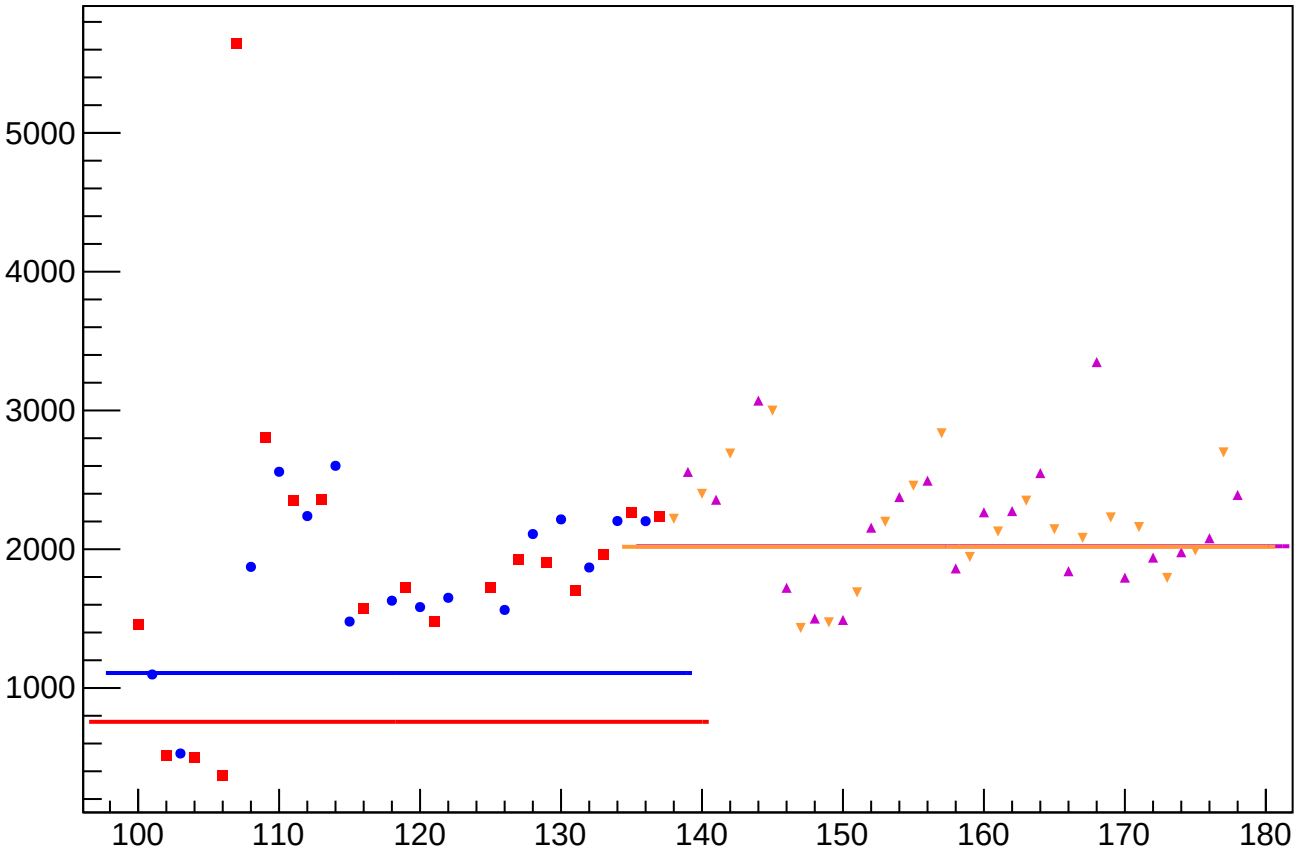
Right Out: 448.261+/-362.570 χ^2/NDF: 15.1/17

Left In: -170.221+/-512.968 χ^2/NDF:10.2/19

+ sign -123.074+/-354.991 χ^2/NDF: 44.9/35

All: 92.356+/-227.374 χ^2/NDF: 71.8/73

- sign 242.216+/-296.079 χ^2/NDF: 26.3/37



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 2017.675+/-0.368 χ^2/NDF:1233335.7/19

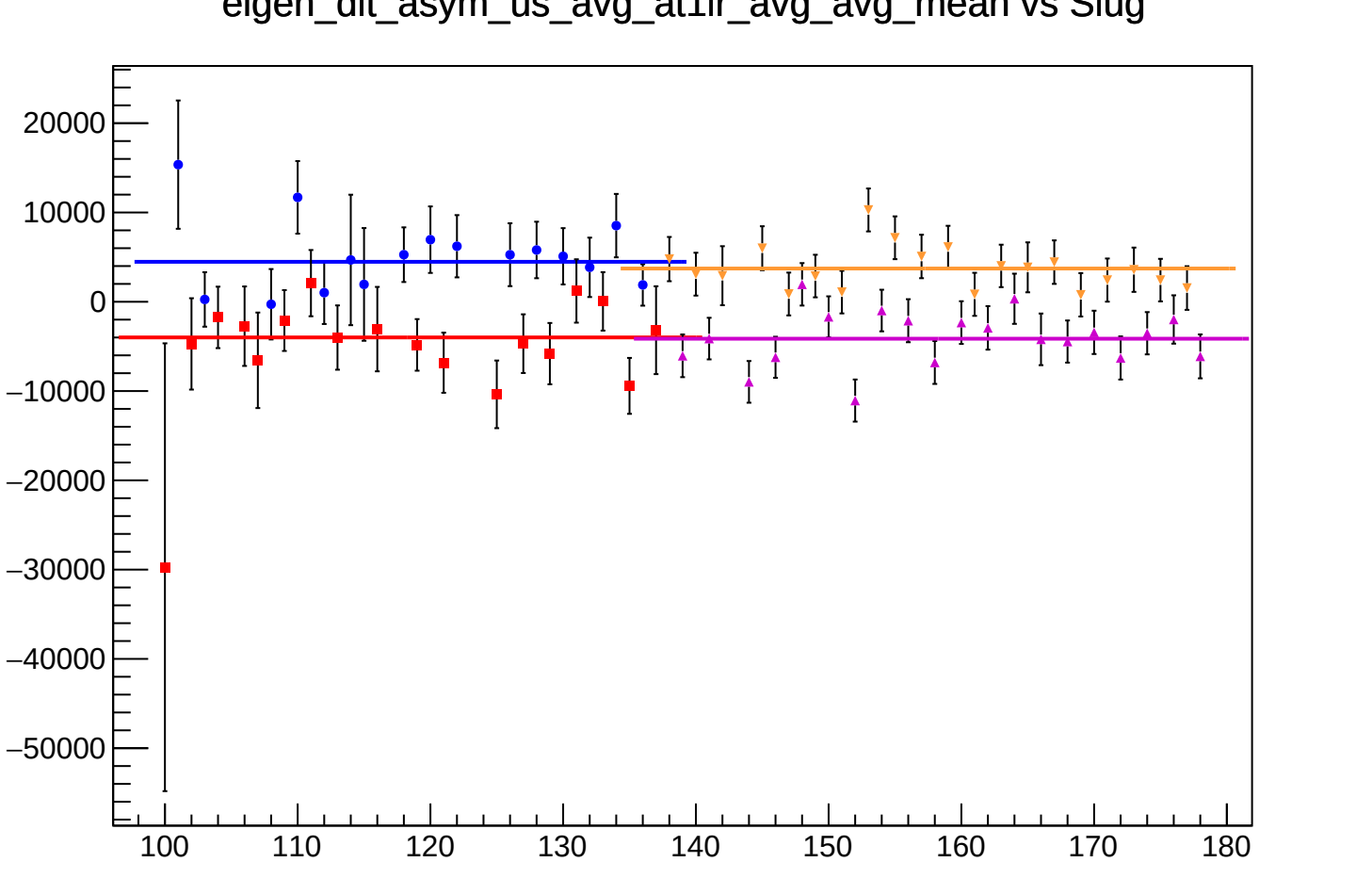
Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 2021.497+/-0.363 χ^2/NDF:1355997.0/19

+ sign 1531.065+/-0.251 χ^2/NDF: 8246005.2/35

All: 1322.771+/-0.161 χ^2/NDF: 24484545.5/7

- sign 1177.875+/-0.209 χ^2/NDF: 15070977.4/37



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 3723.277+/-550.198 χ^2/NDF:19.2/19

Right Out: -3995.803+/-890.441 χ^2/NDF: 15.5/17

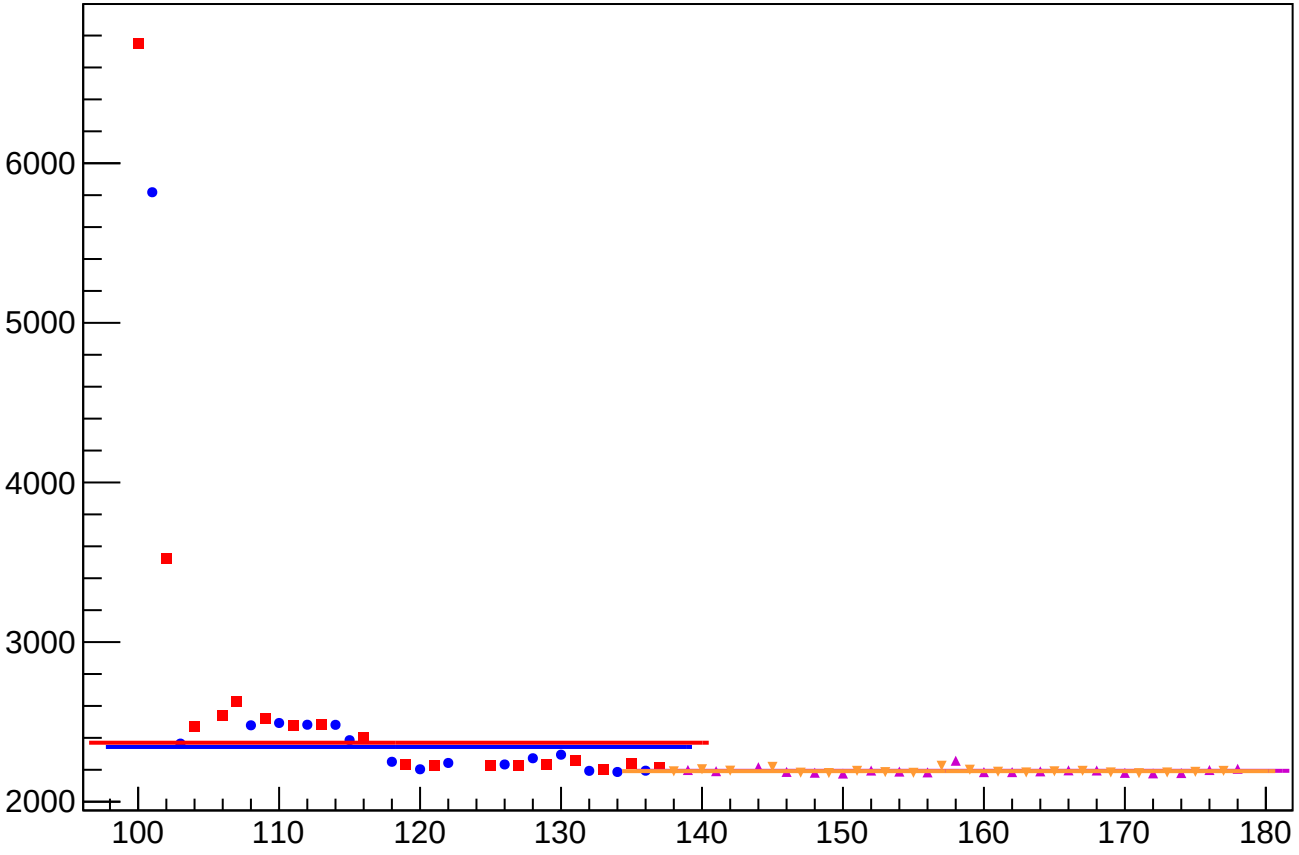
Left In: -4137.837+/-542.575 χ^2/NDF:31.4/19

\+ sign 3932.854+/-467.420 χ^2/NDF: 33.2/35

All: -118.513+/-329.062 χ^2/NDF: 229.1/73

\- sign -4099.380+/-463.335 χ^2/NDF: 46.9/37

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: 2191.430+/-0.389 χ^2/NDF:972.2/19

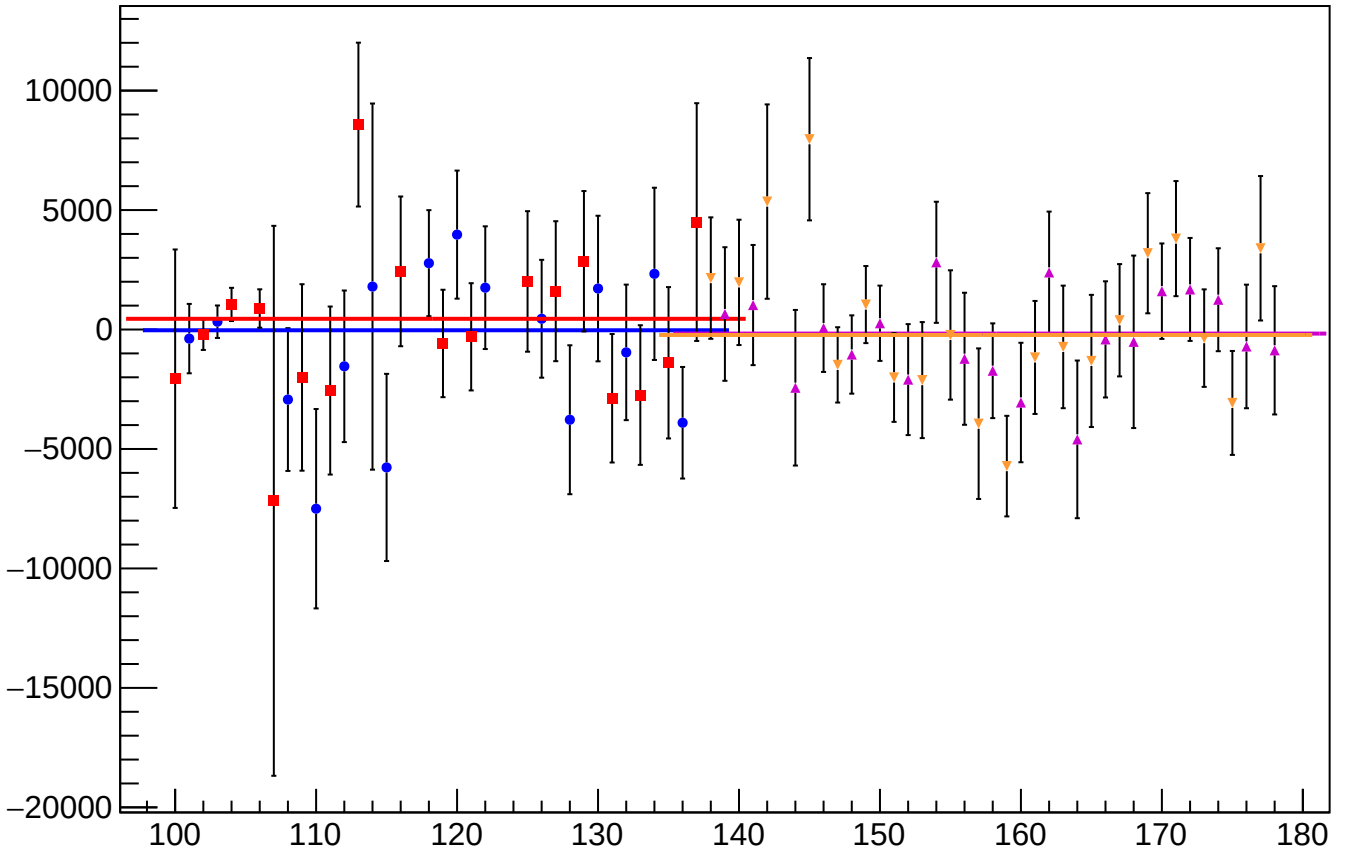
Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2193.512+/-0.384 χ^2/NDF:2126.1/19

+ sign 2233.583+/-0.331 χ^2/NDF: 546025.9/35

All: 2237.416+/-0.233 χ^2/NDF: 815583.0/73

- sign 2241.182+/-0.328 χ^2/NDF: 269290.5/37



Right In: -31.400+/-485.331 χ^2/NDF: 16.3/15

Left Out: -228.565+/-520.590 χ^2/NDF:28.5/19

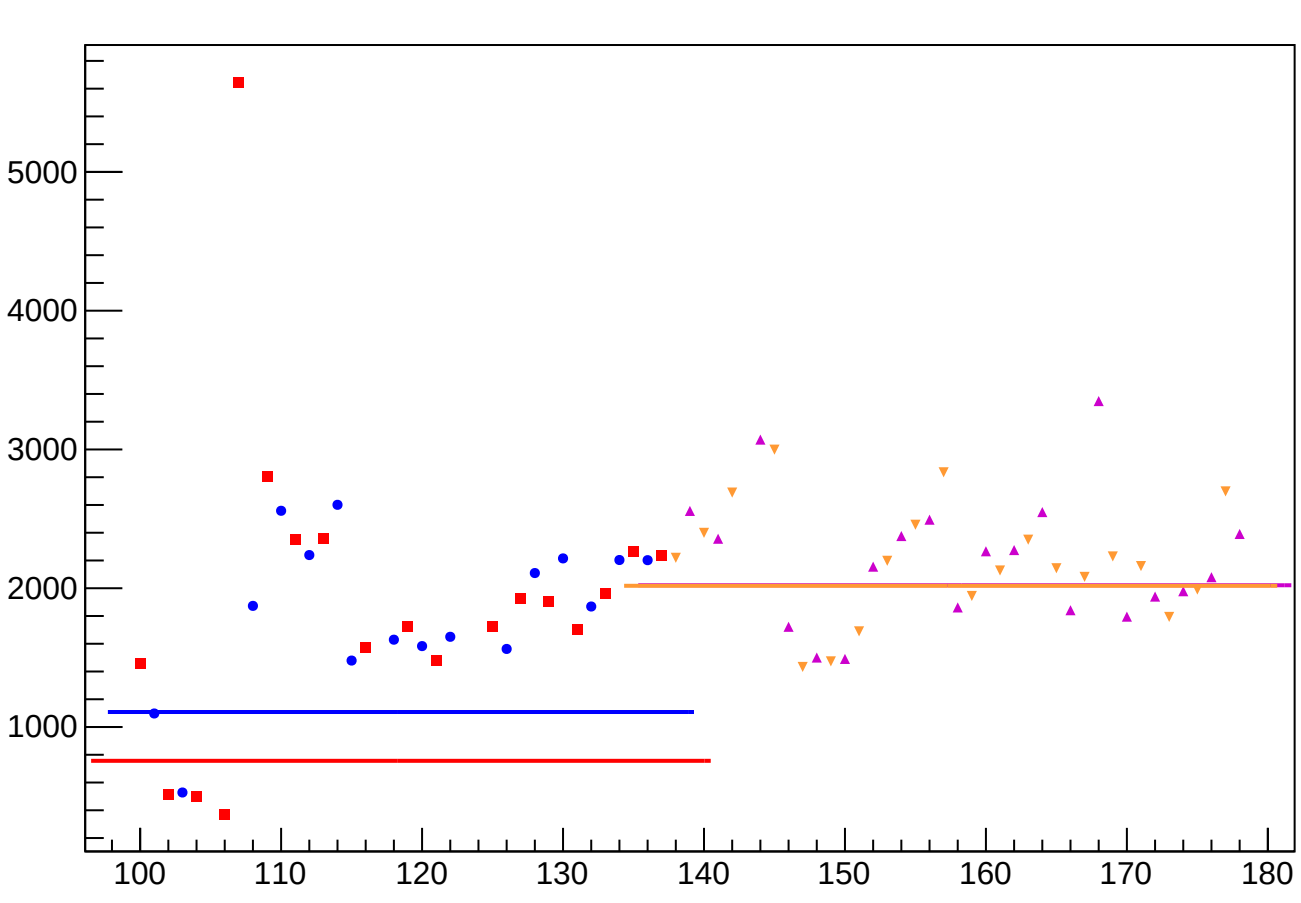
Right Out: 448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: -170.222+/-512.969 χ^2/NDF:10.2/19

+ sign -123.080+/-354.992 χ^2/NDF: 44.9/35

All: 92.352+/-227.376 χ^2/NDF: 71.8/73

- sign 242.215+/-296.082 χ^2/NDF: 26.3/37



Right In: 1108.149+/-0.343 χ^2/NDF: 3746402.0/15

Left Out: 2017.679+/-0.368 χ^2/NDF:1233335.6/19

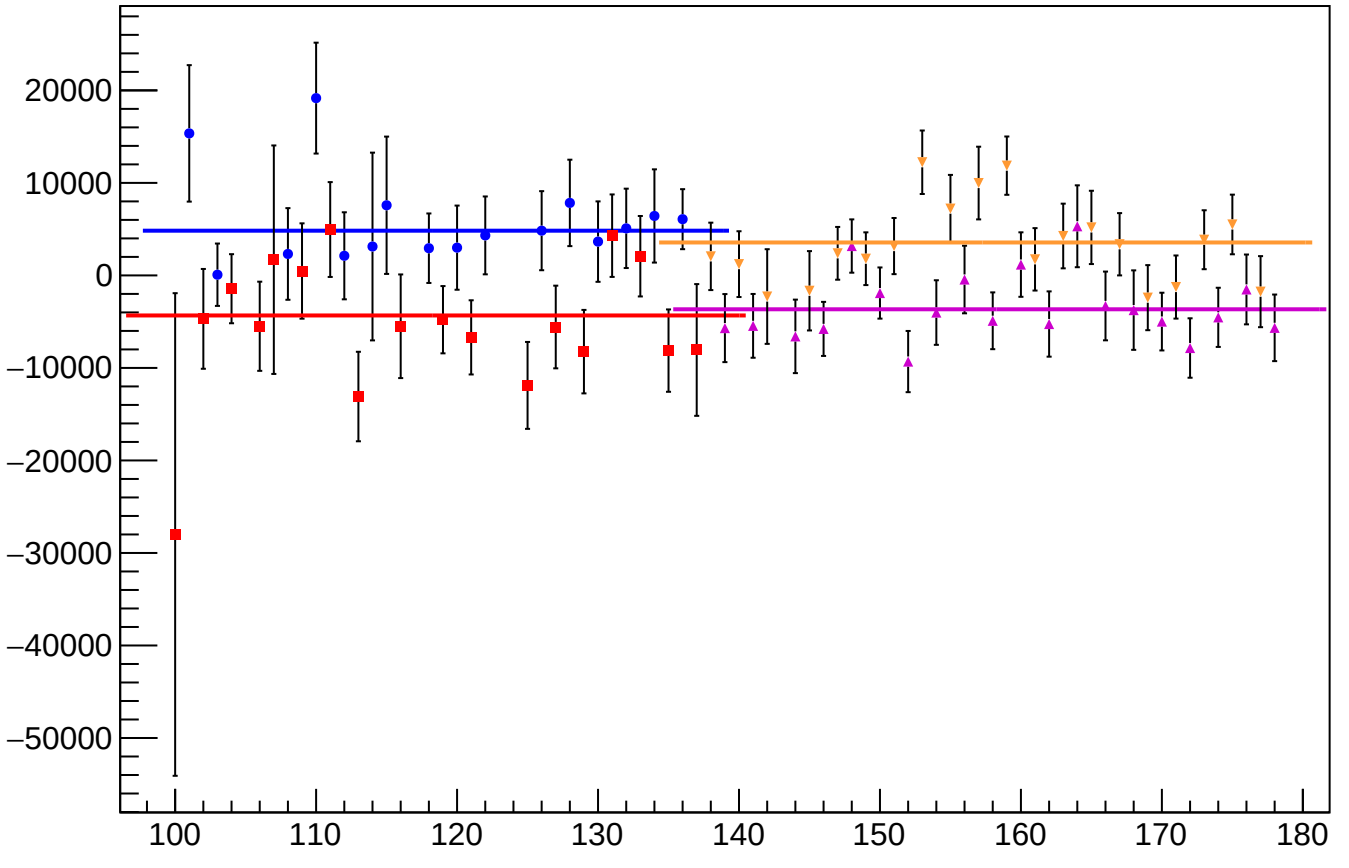
Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

Left In: 2021.501+/-0.363 χ^2/NDF:1355995.7/19

+ sign 1531.073+/-0.251 χ^2/NDF: 8245863.4/35

All: 1322.786+/-0.161 χ^2/NDF: 24483973.8/7

- sign 1177.892+/-0.209 χ^2/NDF: 15070621.4/37



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 3560.247+/-771.866 χ^2/NDF:28.6/19

Right Out: -4328.601+/-1144.541 χ^2/NDF: 19.9/17

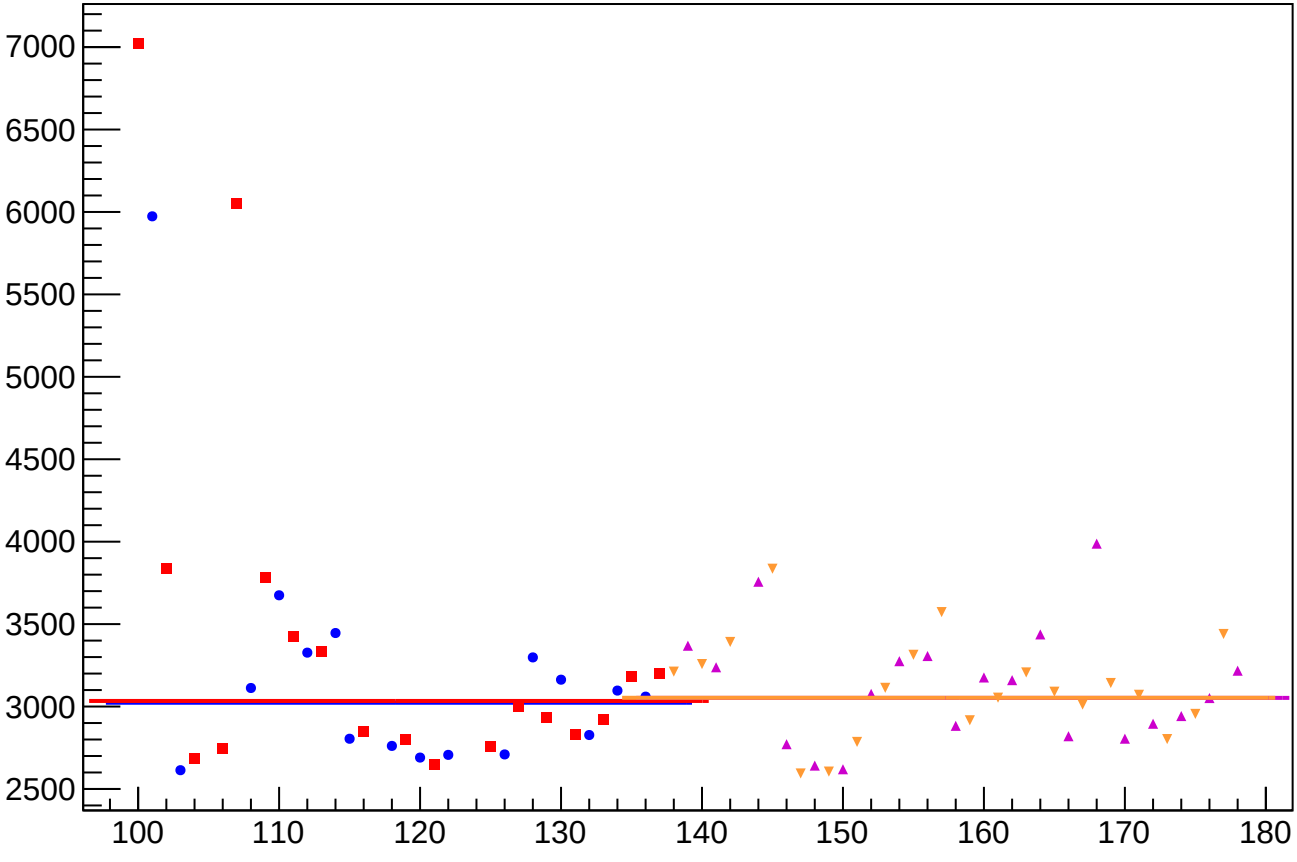
Left In: -3661.467+/-760.407 χ^2/NDF:20.4/19

+ sign 3959.349+/-639.590 χ^2/NDF: 41.2/35

All: 8.532+/-450.042 χ^2/NDF: 157.2/73

- sign -3865.762+/-633.366 χ^2/NDF: 40.5/37

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 3053.121+/-0.546 χ^2/NDF:292404.1/19

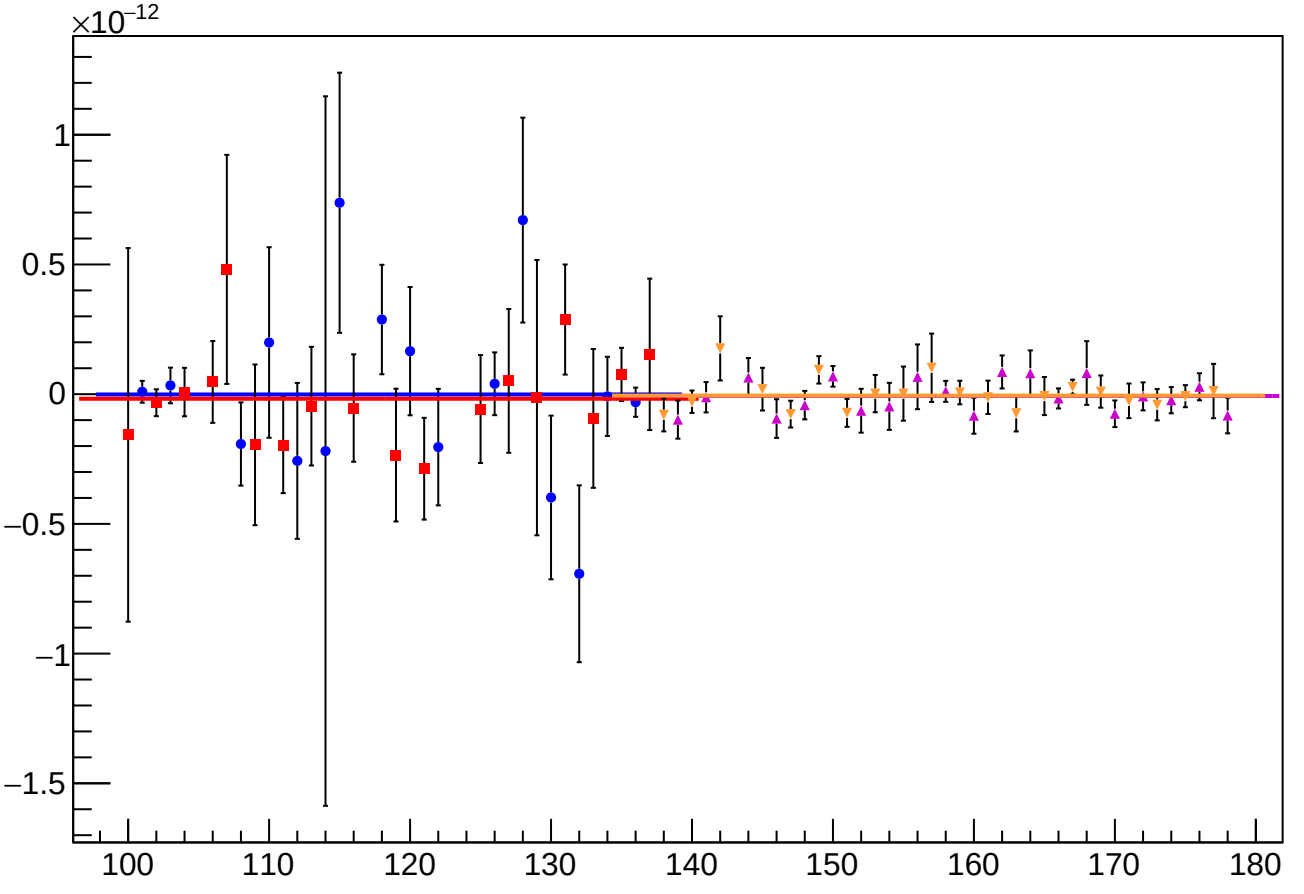
Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3052.476+/-0.538 χ^2/NDF:361819.5/19

+ sign 3043.703+/-0.452 χ^2/NDF: 737060.0/35

All: 3045.256+/-0.318 χ^2/NDF: 1441944.3/73

- sign 3046.778+/-0.448 χ^2/NDF: 704861.0/37



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.5/19

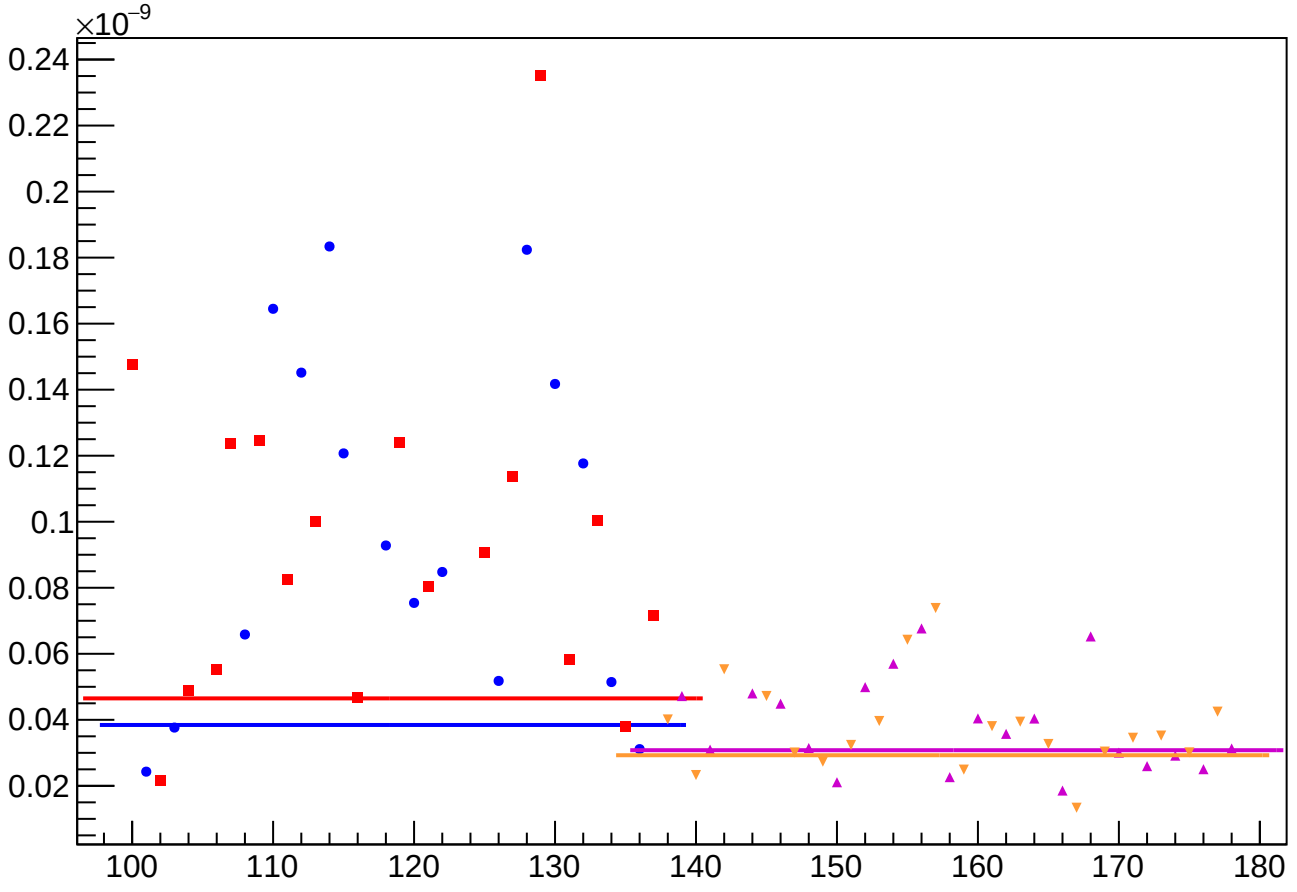
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: -0.000+/-0.000 χ^2/NDF:17.5/19

+ sign -0.000+/-0.000 χ^2/NDF: 31.6/35

All: -0.000+/-0.000 χ^2/NDF: 58.2/73

- sign -0.000+/-0.000 χ^2/NDF: 26.6/37



Right In: 0.000+/-0.000 χ^2/NDF: 1771405.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1582963.7/19

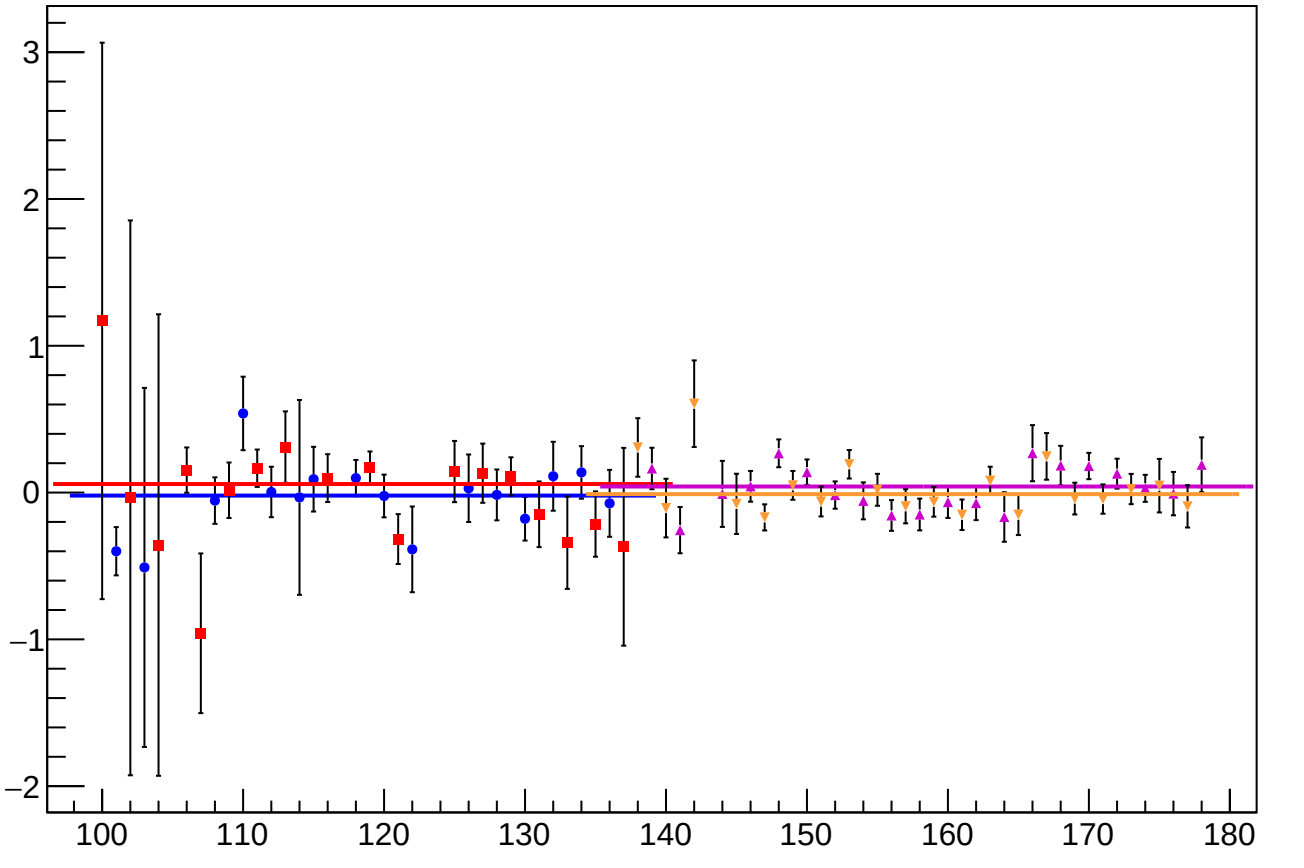
Right Out: 0.000+/-0.000 χ^2/NDF: 1697135.5/17

Left In: 0.000+/-0.000 χ^2/NDF:1395636.8/19

+ sign 0.000+/-0.000 χ^2/NDF: 3540392.8/35

All: 0.000+/-0.000 χ^2/NDF: 7018963.0/73

- sign 0.000+/-0.000 χ^2/NDF: 3453625.2/37



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.011+/-0.026 χ^2/NDF:23.4/19

Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

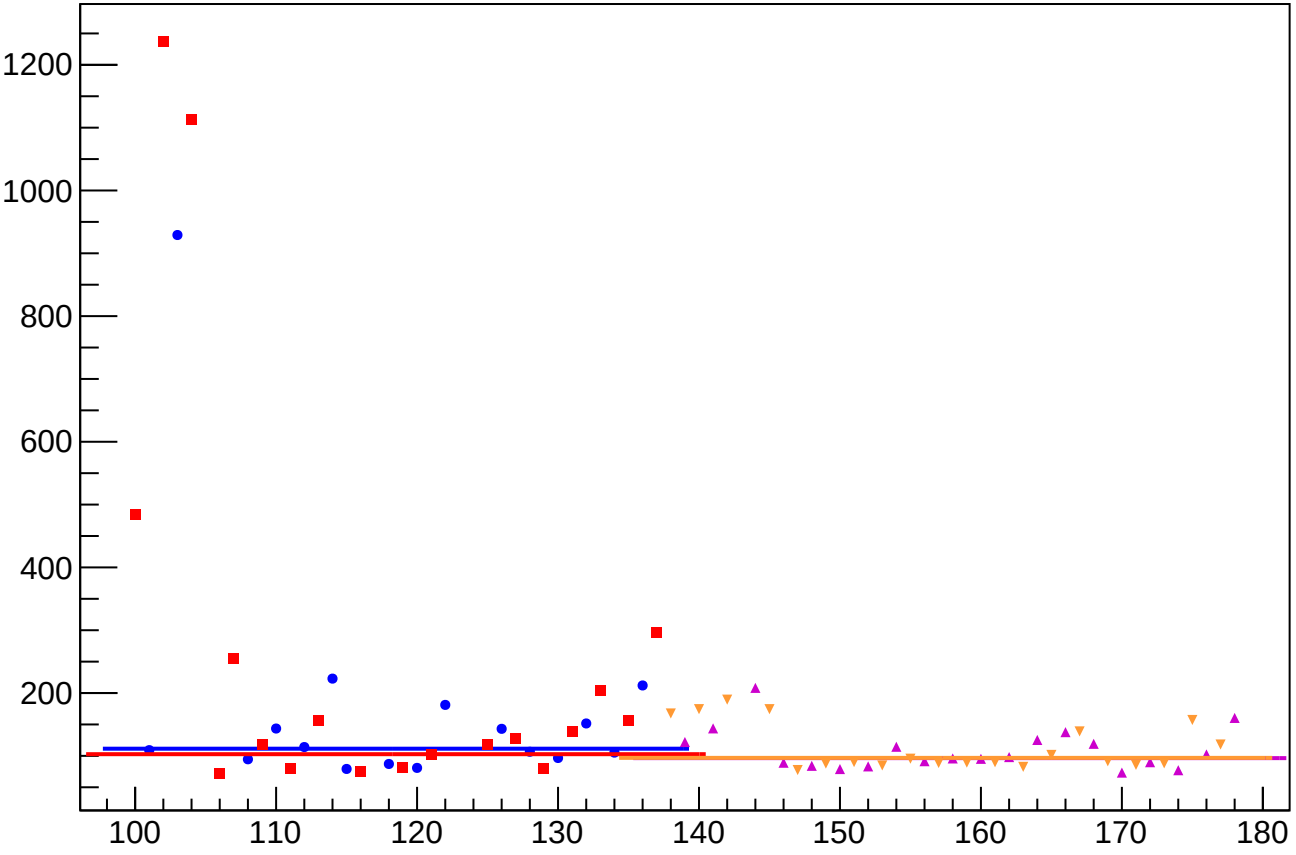
Left In: 0.041+/-0.026 χ^2/NDF:28.8/19

\+ sign -0.013+/-0.023 χ^2/NDF: 39.1/35

All: 0.017+/-0.016 χ^2/NDF: 88.1/73

\- sign 0.045+/-0.023 χ^2/NDF: 45.8/37

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 96.796+/-0.019 χ^2/NDF:1712004.7/19

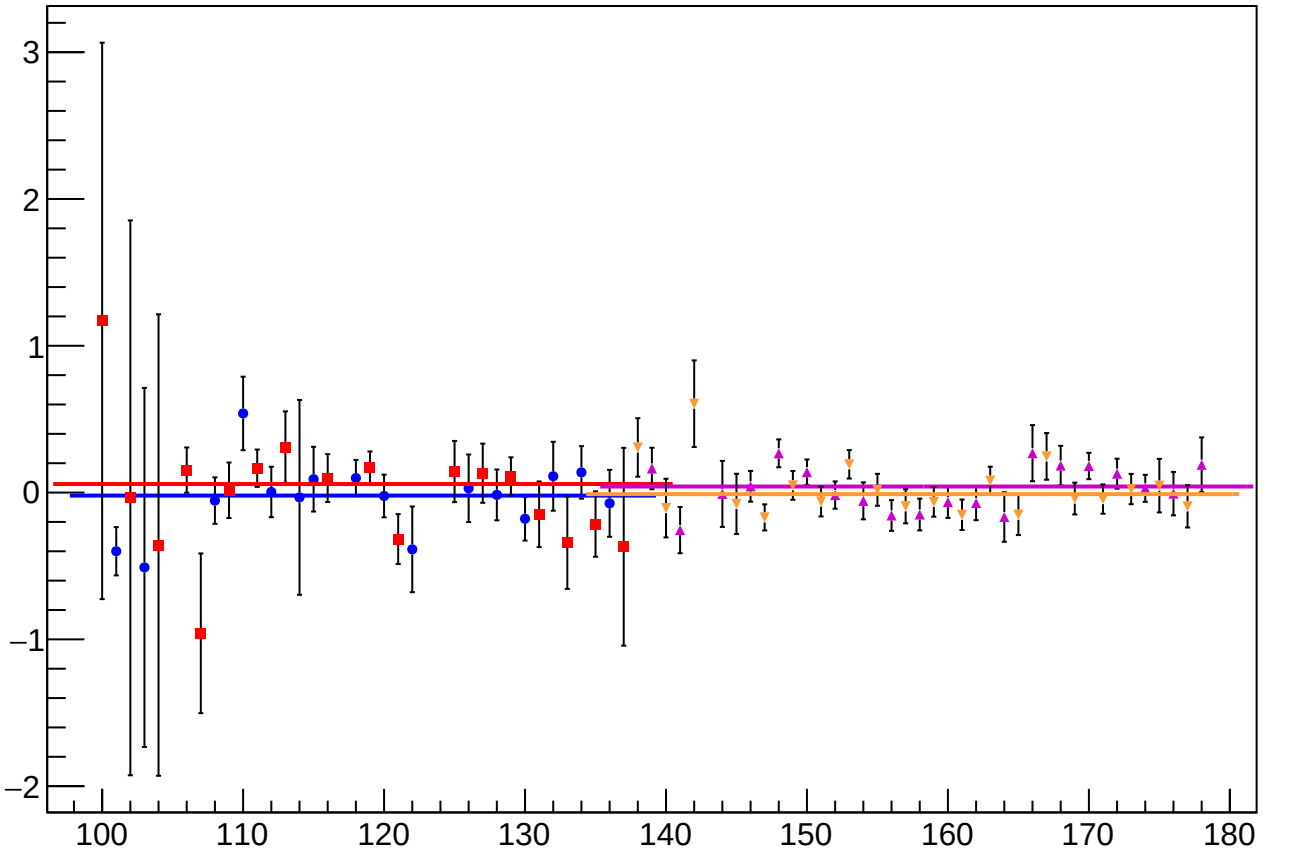
Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 96.399+/-0.018 χ^2/NDF:1626749.1/19

+ sign 100.244+/-0.016 χ^2/NDF: 3695155.8/35

All: 99.039+/-0.011 χ^2/NDF: 8187241.7/73

- sign 97.888+/-0.016 χ^2/NDF: 4481483.1/37



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.011+/-0.026 χ^2/NDF:23.4/19

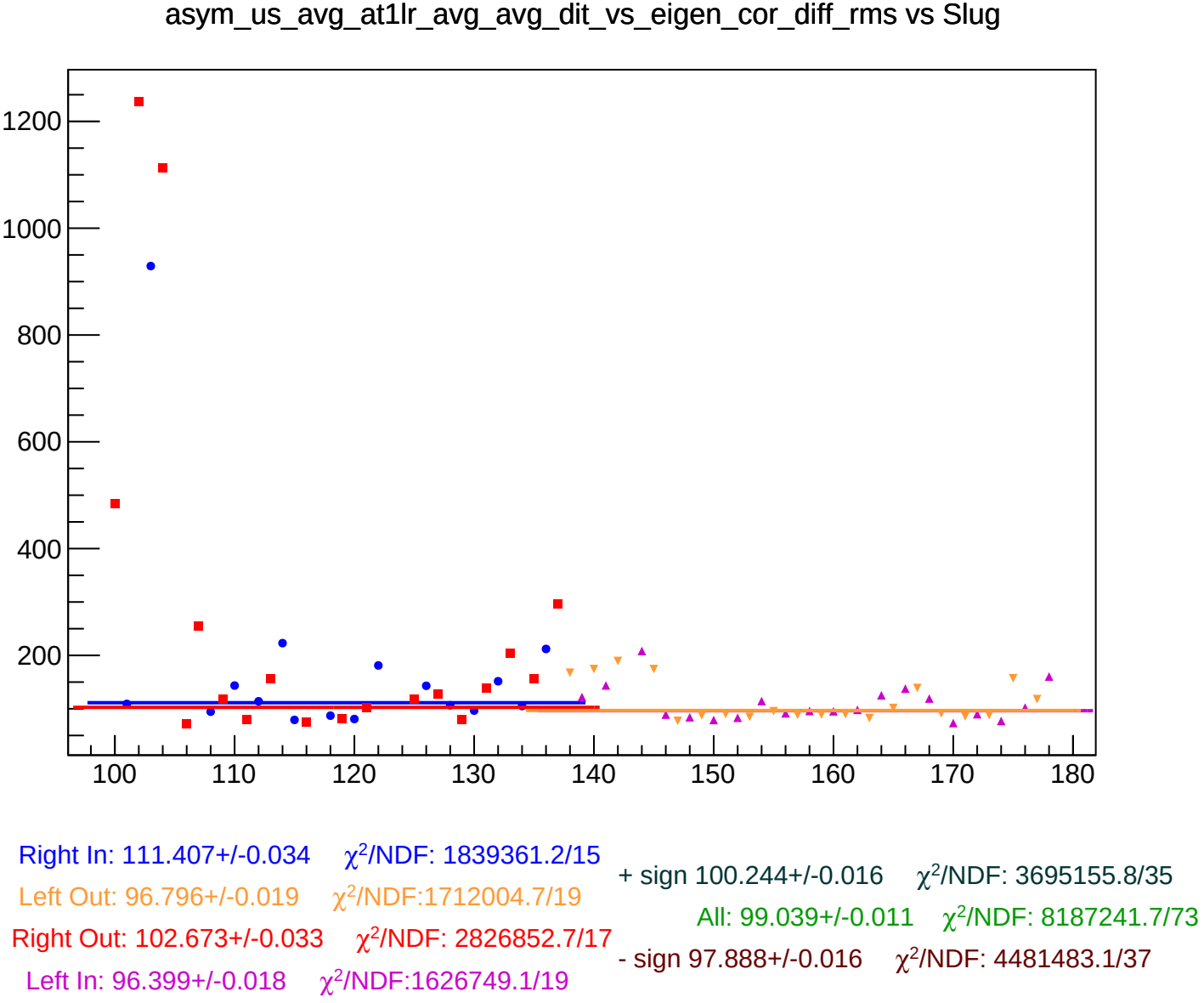
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

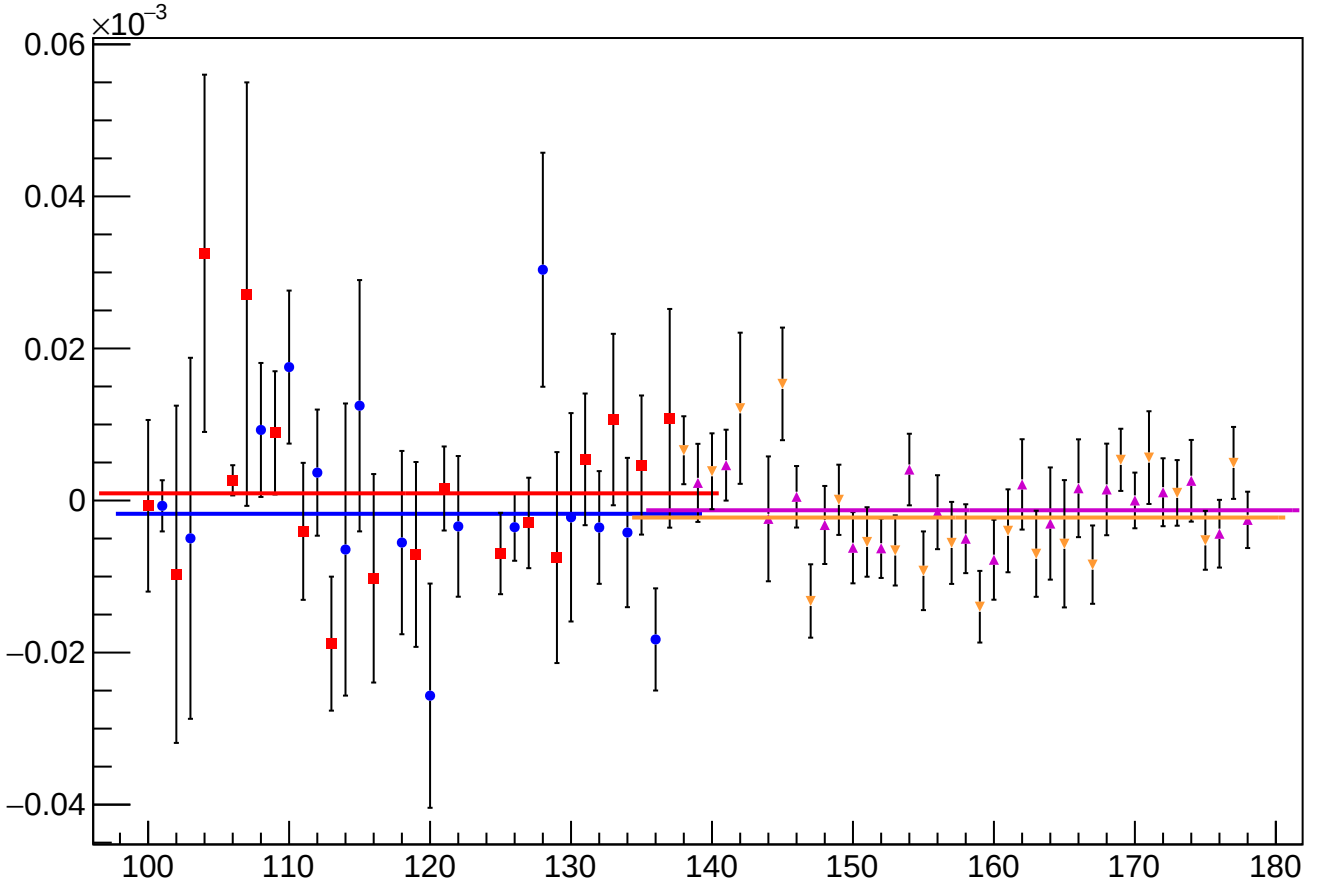
Left In: 0.041+/-0.026 χ^2/NDF:28.8/19

+ sign -0.013+/-0.023 χ^2/NDF: 39.1/35

All: 0.017+/-0.016 χ^2/NDF: 88.1/73

- sign 0.045+/-0.023 χ^2/NDF: 45.8/37


asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
Right In: 111.407+/-0.034 χ²/NDF: 1839361.2/15
Left Out: 96.796+/-0.019 χ²/NDF:1712004.7/19
Right Out: 102.673+/-0.033 χ²/NDF: 2826852.7/17
Left In: 96.399+/-0.018 χ²/NDF:1626749.1/19
+ sign 100.244+/-0.016 χ²/NDF: 3695155.8/35
All: 99.039+/-0.011 χ²/NDF: 8187241.7/73
- sign 97.888+/-0.016 χ²/NDF: 4481483.1/37



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:39.4/19

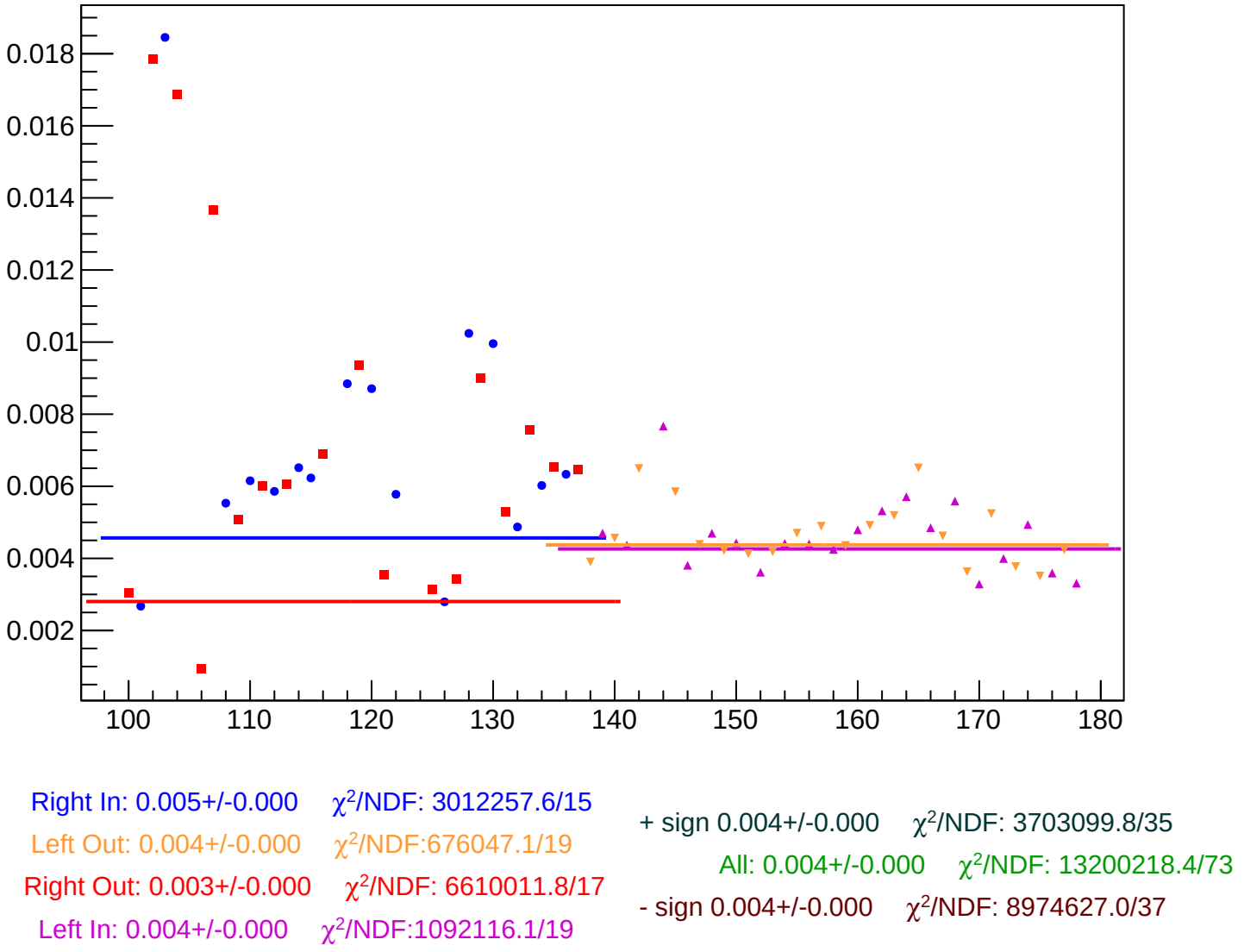
Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/17

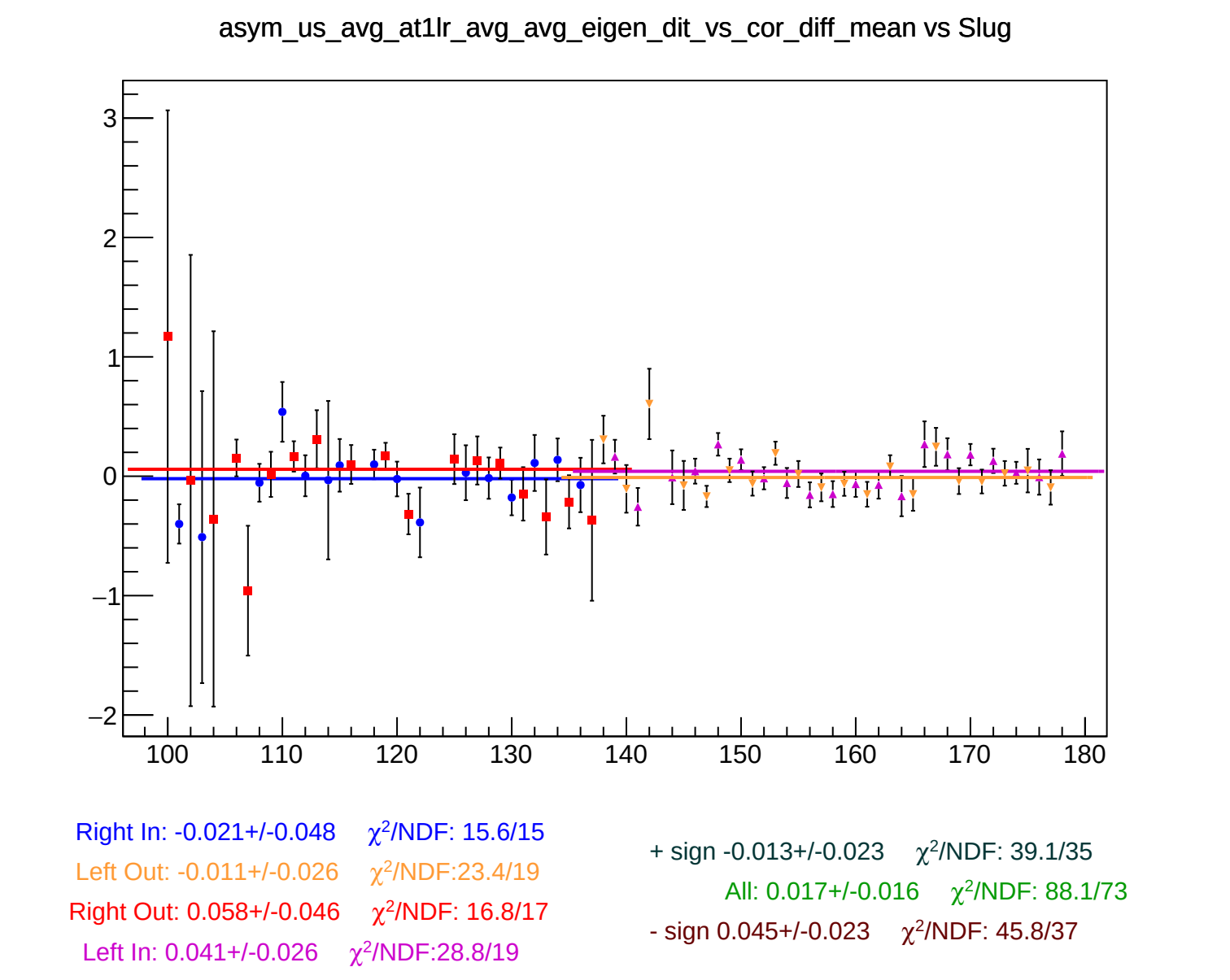
Left In: -0.000+/-0.000 χ^2/NDF:11.0/19

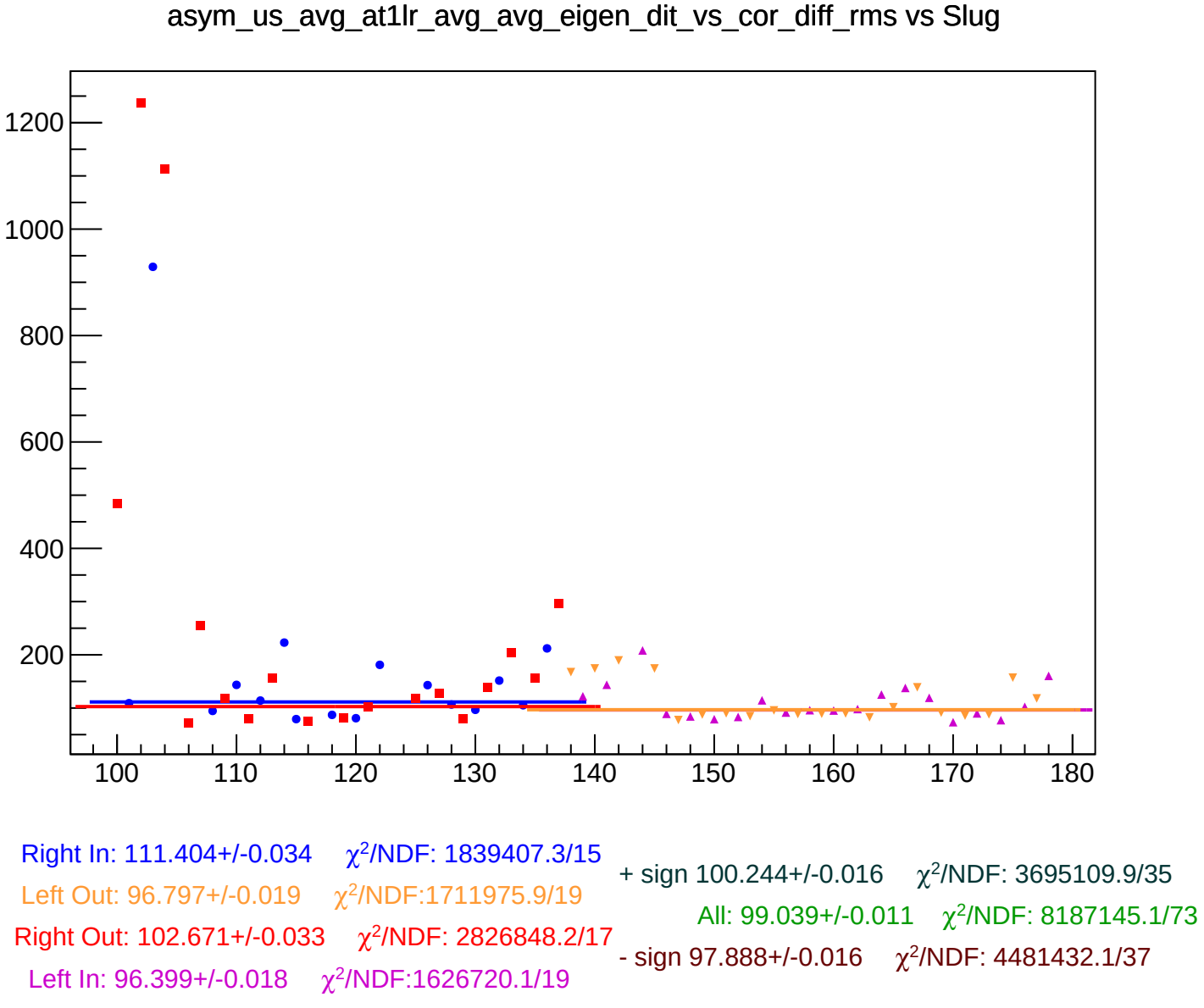
+ sign -0.000+/-0.000 χ^2/NDF: 59.4/35

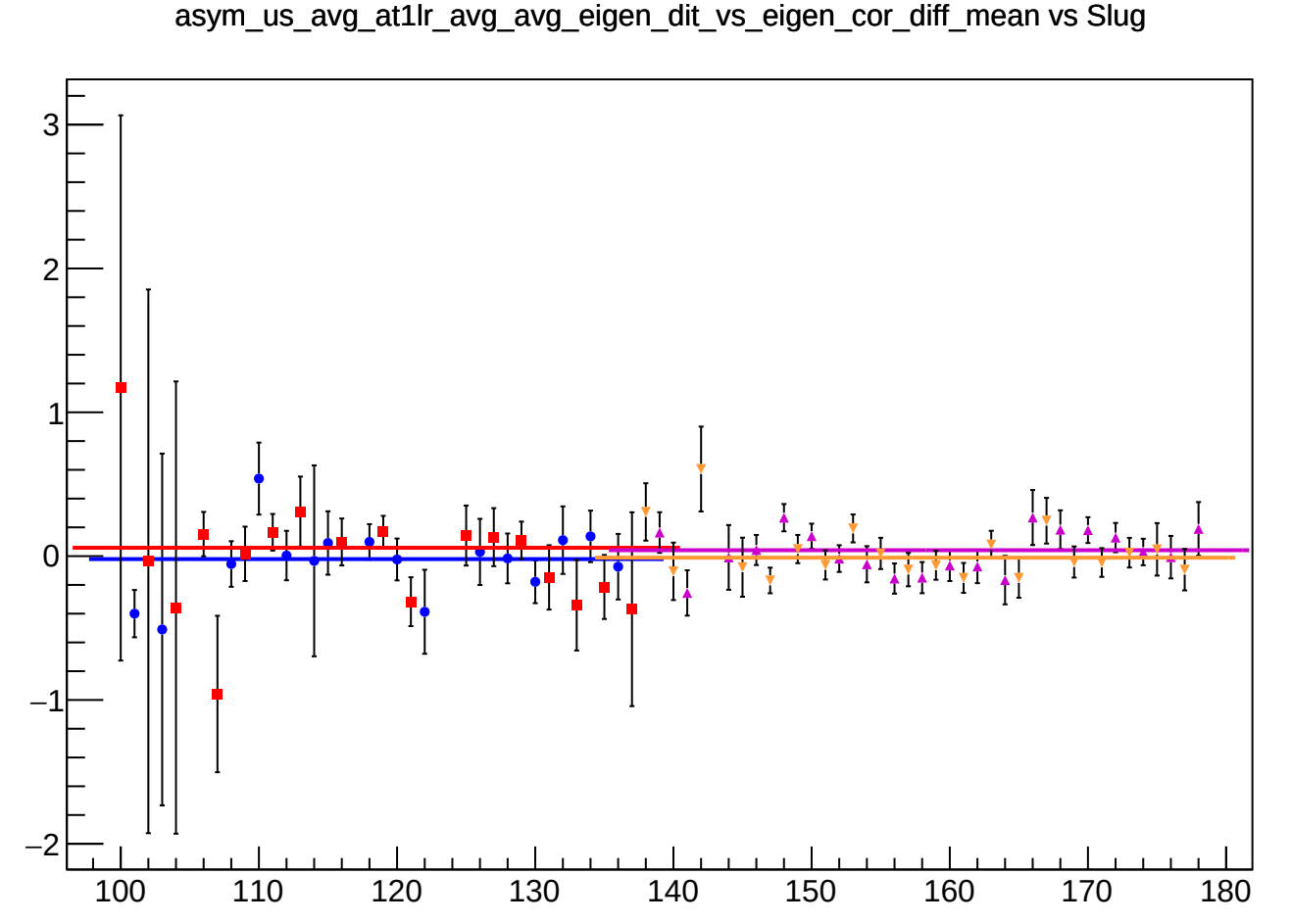
All: -0.000+/-0.000 χ^2/NDF: 89.2/73

- sign -0.000+/-0.000 χ^2/NDF: 28.3/37


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
Right In: 0.005+/-0.000 χ²/NDF: 3012257.6/15
Left Out: 0.004+/-0.000 χ²/NDF:676047.1/19
Right Out: 0.003+/-0.000 χ²/NDF: 6610011.8/17
Left In: 0.004+/-0.000 χ²/NDF:1092116.1/19
+ sign 0.004+/-0.000 χ²/NDF: 3703099.8/35
All: 0.004+/-0.000 χ²/NDF: 13200218.4/73
- sign 0.004+/-0.000 χ²/NDF: 8974627.0/37


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
Right In: -0.021+/-0.048 χ²/NDF: 15.6/15
Left Out: -0.011+/-0.026 χ²/NDF:23.4/19
Right Out: 0.058+/-0.046 χ²/NDF: 16.8/17
Left In: 0.041+/-0.026 χ²/NDF:28.8/19
+ sign -0.013+/-0.023 χ²/NDF: 39.1/35
All: 0.017+/-0.016 χ²/NDF: 88.1/73
- sign 0.045+/-0.023 χ²/NDF: 45.8/37


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
Right In: 111.404+/-0.034 χ²/NDF: 1839407.3/15
Left Out: 96.797+/-0.019 χ²/NDF:1711975.9/19
Right Out: 102.671+/-0.033 χ²/NDF: 2826848.2/17
Left In: 96.399+/-0.018 χ²/NDF:1626720.1/19
+ sign 100.244+/-0.016 χ²/NDF: 3695109.9/35
All: 99.039+/-0.011 χ²/NDF: 8187145.1/73
- sign 97.888+/-0.016 χ²/NDF: 4481432.1/37



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.011+/-0.026 χ^2/NDF:23.4/19

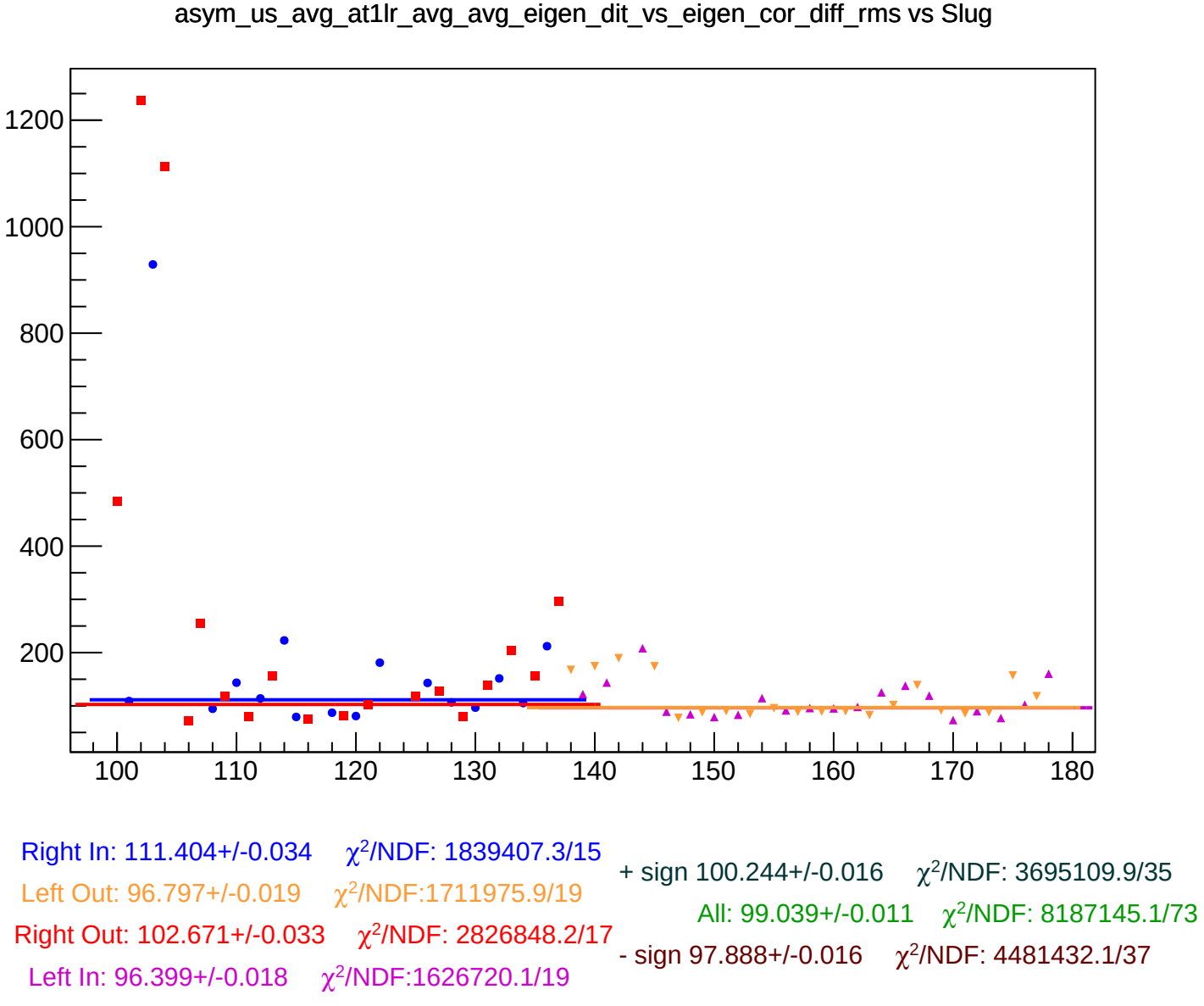
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

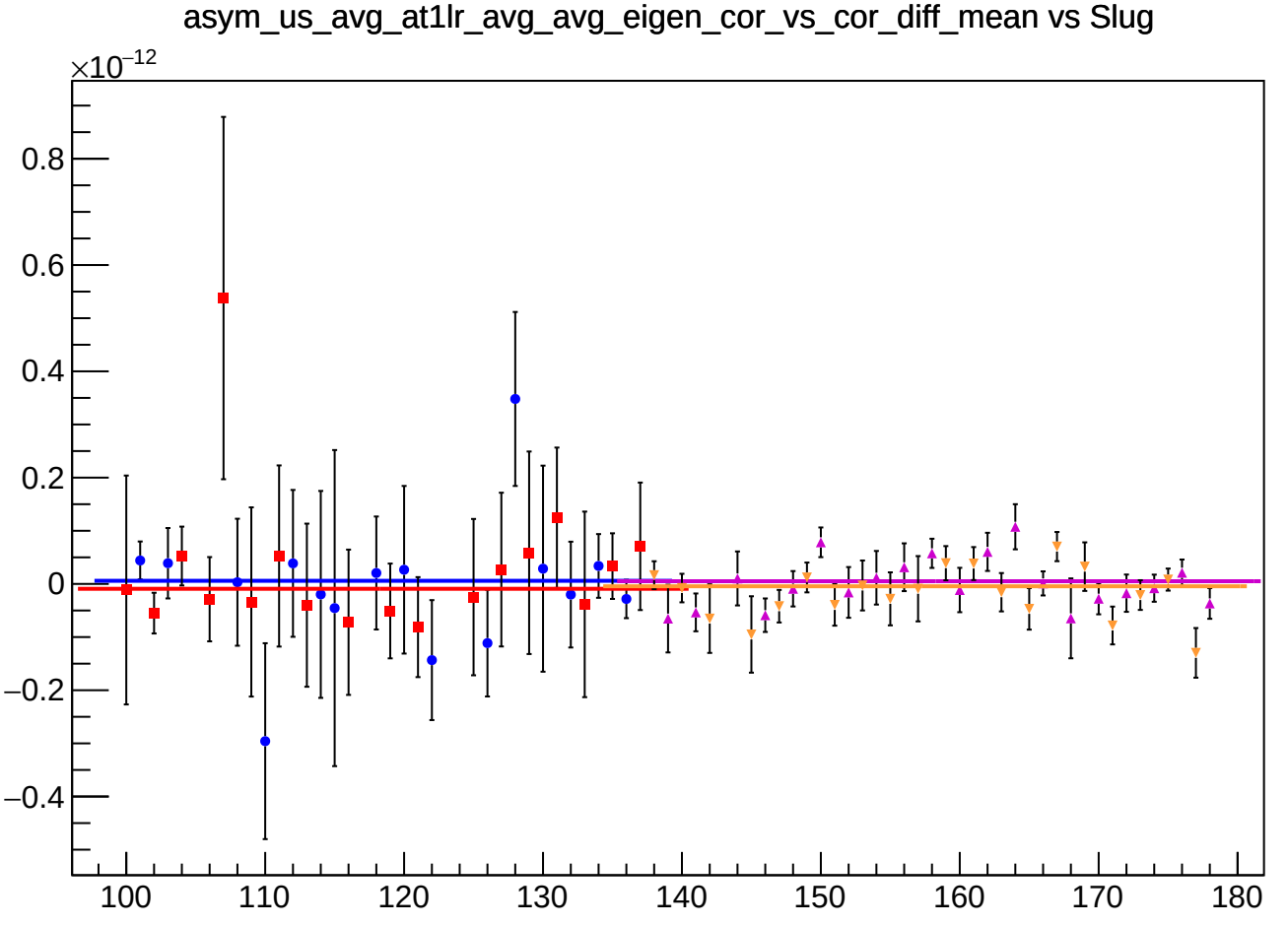
Left In: 0.041+/-0.026 χ^2/NDF:28.8/19

+ sign -0.013+/-0.023 χ^2/NDF: 39.1/35

All: 0.017+/-0.016 χ^2/NDF: 88.1/73

- sign 0.045+/-0.023 χ^2/NDF: 45.8/37


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
Right In: 111.404+/-0.034 χ²/NDF: 1839407.3/15
Left Out: 96.797+/-0.019 χ²/NDF:1711975.9/19
Right Out: 102.671+/-0.033 χ²/NDF: 2826848.2/17
Left In: 96.399+/-0.018 χ²/NDF:1626720.1/19
+ sign 100.244+/-0.016 χ²/NDF: 3695109.9/35
All: 99.039+/-0.011 χ²/NDF: 8187145.1/73
- sign 97.888+/-0.016 χ²/NDF: 4481432.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.3/19

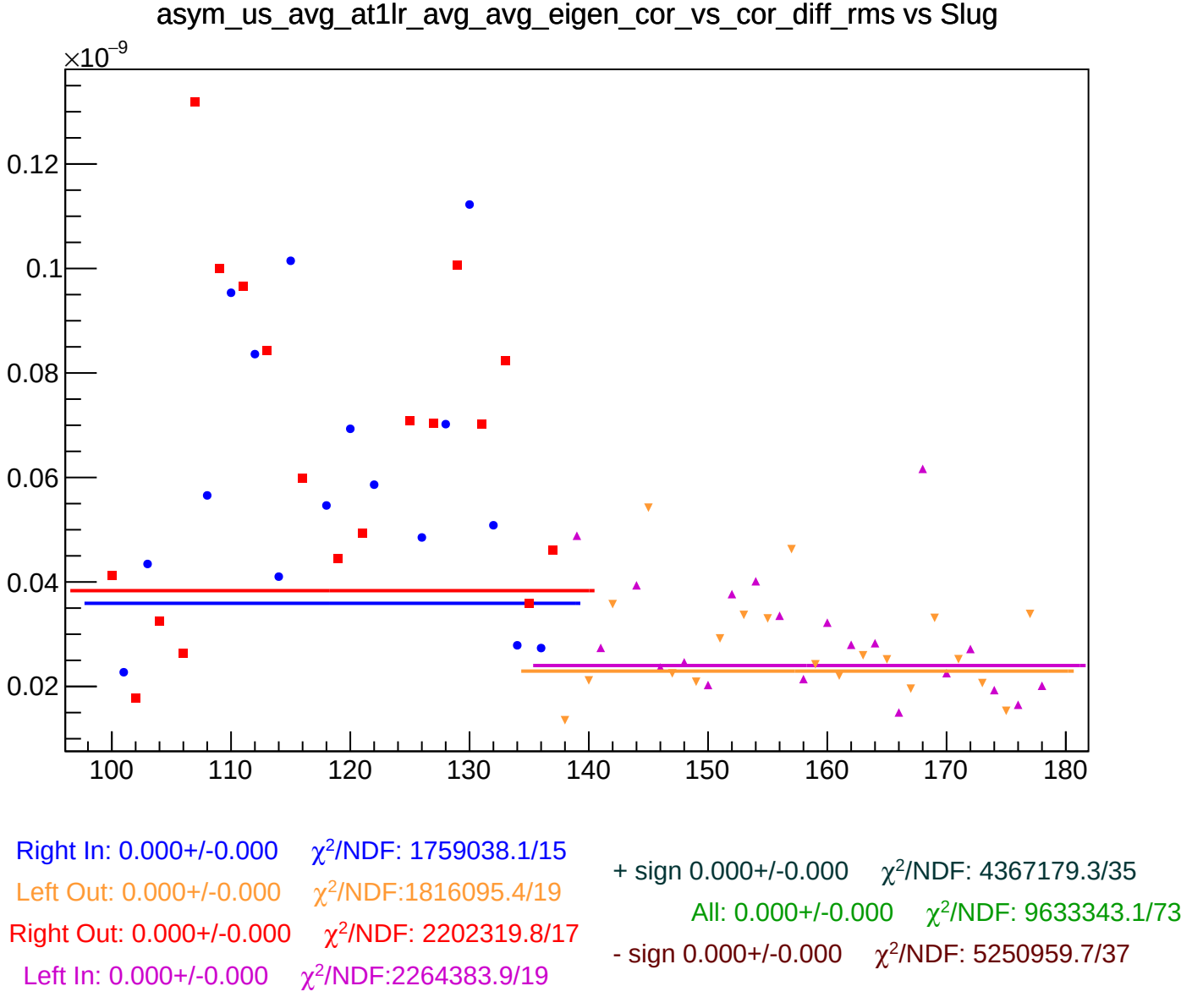
Right Out: -0.000+/-0.000 χ^2/NDF: 8.7/17

Left In: 0.000+/-0.000 χ^2/NDF:33.0/19

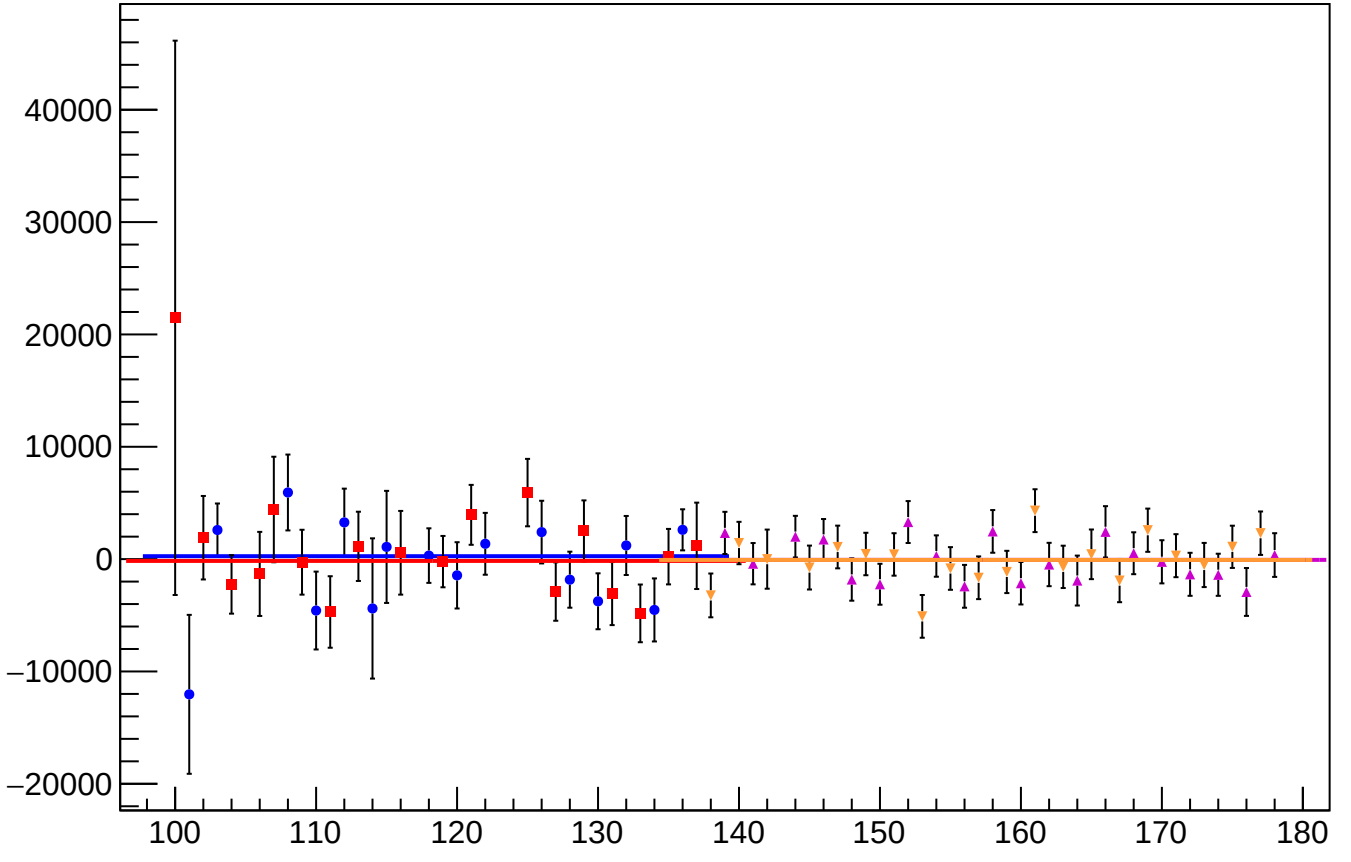
+ sign -0.000+/-0.000 χ^2/NDF: 44.4/35

All: 0.000+/-0.000 χ^2/NDF: 87.0/73

- sign 0.000+/-0.000 χ^2/NDF: 42.1/37


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1759038.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1816095.4/19
Right Out: 0.000+/-0.000 χ²/NDF: 2202319.8/17
Left In: 0.000+/-0.000 χ²/NDF:2264383.9/19
+ sign 0.000+/-0.000 χ²/NDF: 4367179.3/35
All: 0.000+/-0.000 χ²/NDF: 9633343.1/73
- sign 0.000+/-0.000 χ²/NDF: 5250959.7/37

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -73.603+/-435.020 χ^2/NDF:22.3/19

Right Out: -159.330+/-712.314 χ^2/NDF: 18.1/17

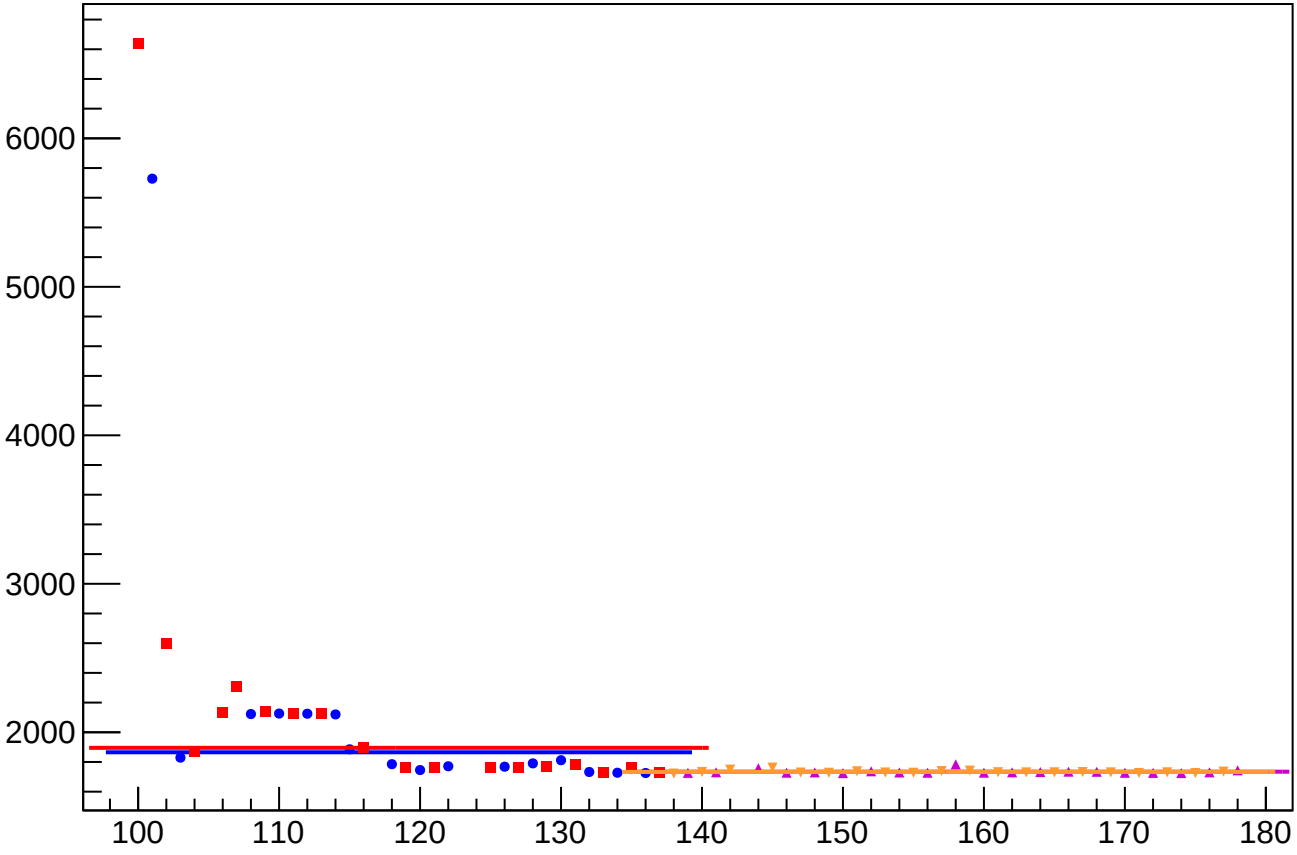
Left In: -66.817+/-429.037 χ^2/NDF:18.8/19

+ sign 17.371+/-370.889 χ^2/NDF: 41.9/35

All: -37.533+/-261.059 χ^2/NDF: 78.8/73

- sign -91.445+/-367.521 χ^2/NDF: 36.9/37

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1732.804+/-0.308 χ^2/NDF:776.9/19

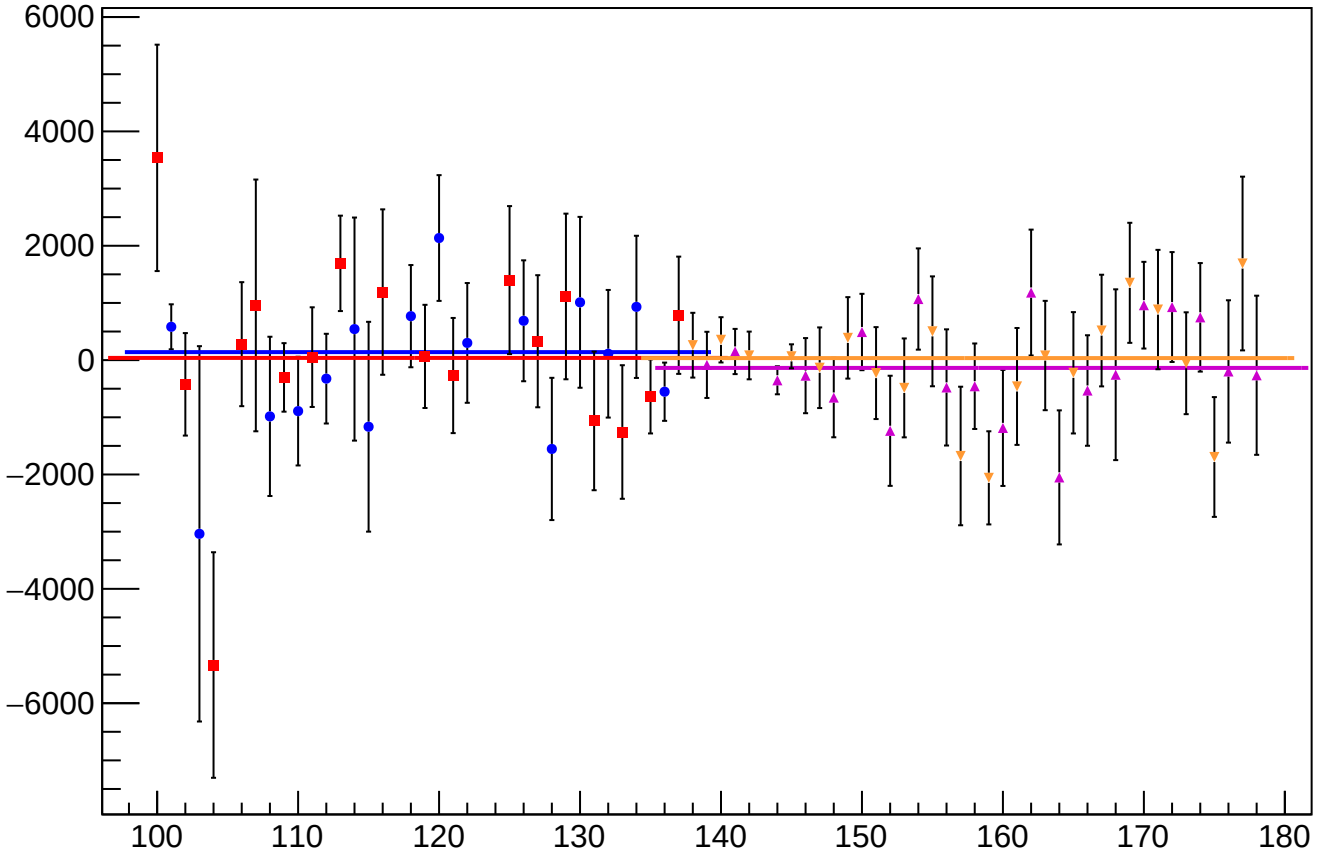
Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1734.573+/-0.303 χ^2/NDF:2060.4/19

+ sign 1768.955+/-0.262 χ^2/NDF: 724072.8/35

All: 1773.189+/-0.185 χ^2/NDF: 1052130.1/73

- sign 1777.346+/-0.260 χ^2/NDF: 327540.7/37



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 35.502+/-133.039 χ^2/NDF:17.2/19

Right Out: 38.629+/-238.253 χ^2/NDF: 21.4/17

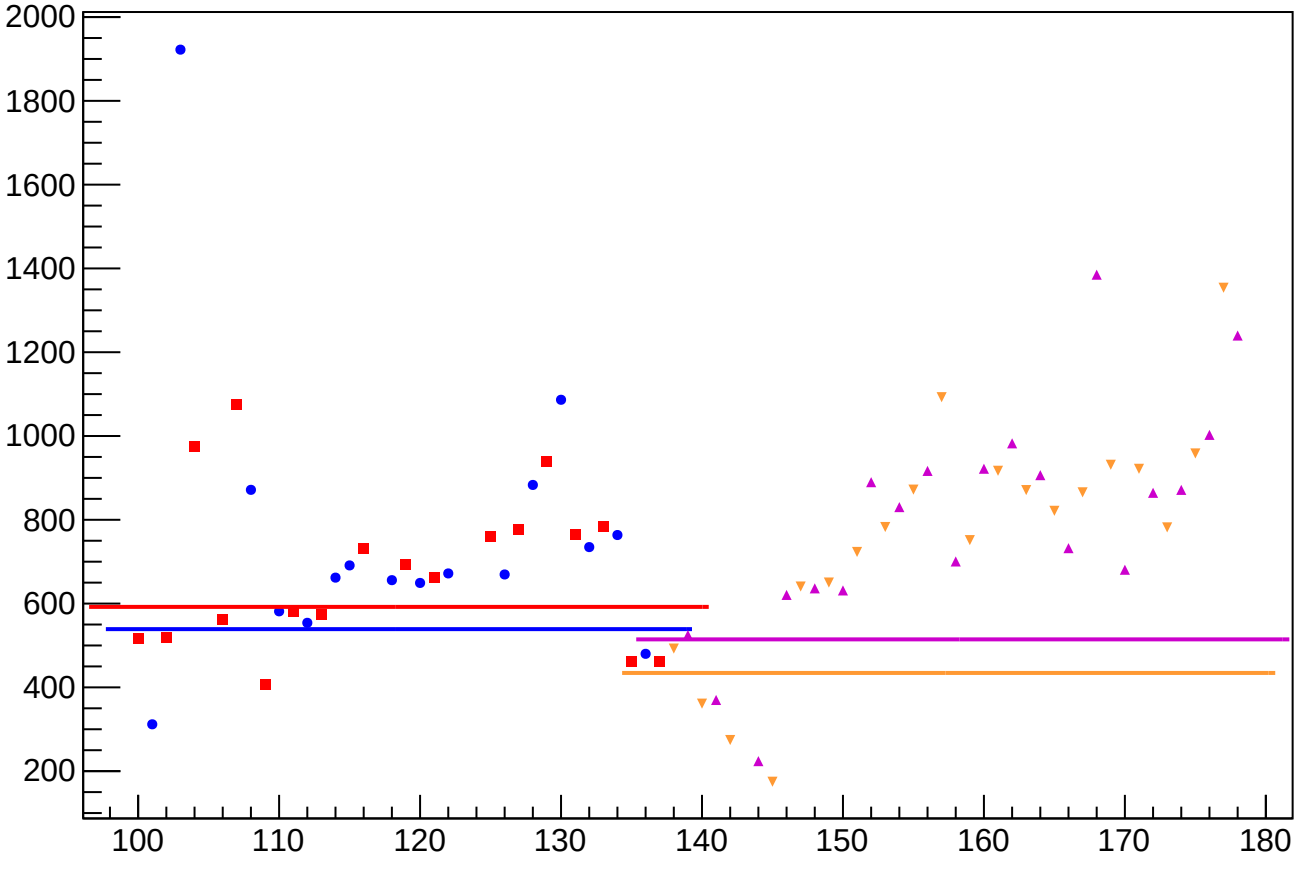
Left In: -136.412+/-145.986 χ^2/NDF:15.8/19

+ sign 63.411+/-113.856 χ^2/NDF: 30.8/35

All: -5.848+/-84.013 χ^2/NDF: 69.2/73

- sign -88.632+/-124.477 χ^2/NDF: 37.6/37

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug



Right In: 539.016+/-0.156 χ^2/NDF: 1854576.5/15

Left Out: 434.433+/-0.094 χ^2/NDF:9630123.7/19

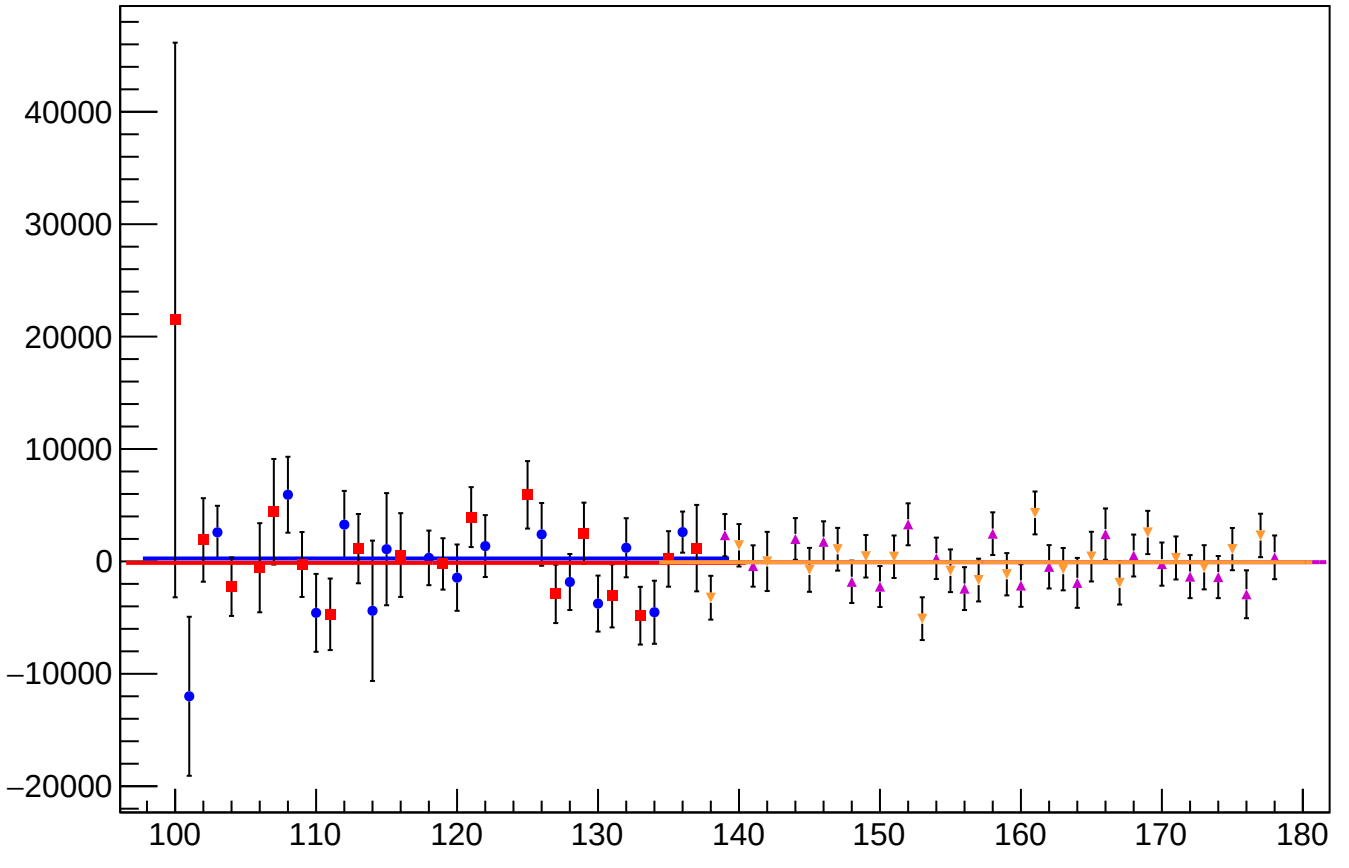
Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

Left In: 514.558+/-0.103 χ^2/NDF:7435606.3/19

+ sign 462.419+/-0.081 χ^2/NDF: 11815422.1/35

All: 495.811+/-0.059 χ^2/NDF: 20625782.9/73

- sign 535.724+/-0.088 χ^2/NDF: 8432699.6/37



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -73.563+/-435.020 χ^2/NDF:22.3/19

Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

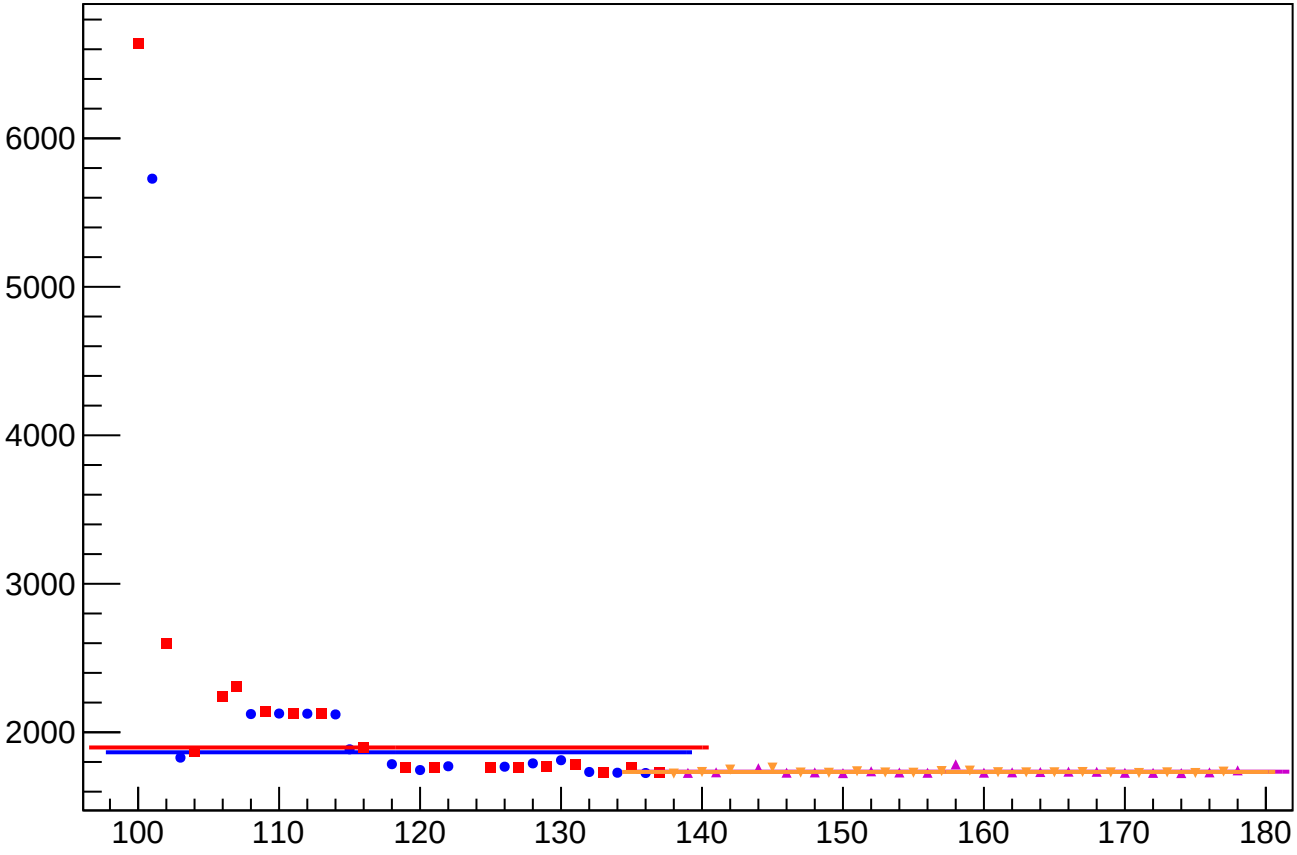
Left In: -66.755+/-429.037 χ^2/NDF:18.8/19

\+ sign 17.452+/-370.889 χ^2/NDF: 41.9/35

All: -33.486+/-261.128 χ^2/NDF: 78.7/73

\- sign -83.555+/-367.714 χ^2/NDF: 36.8/37

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1732.804+/-0.308 χ^2/NDF:776.9/19

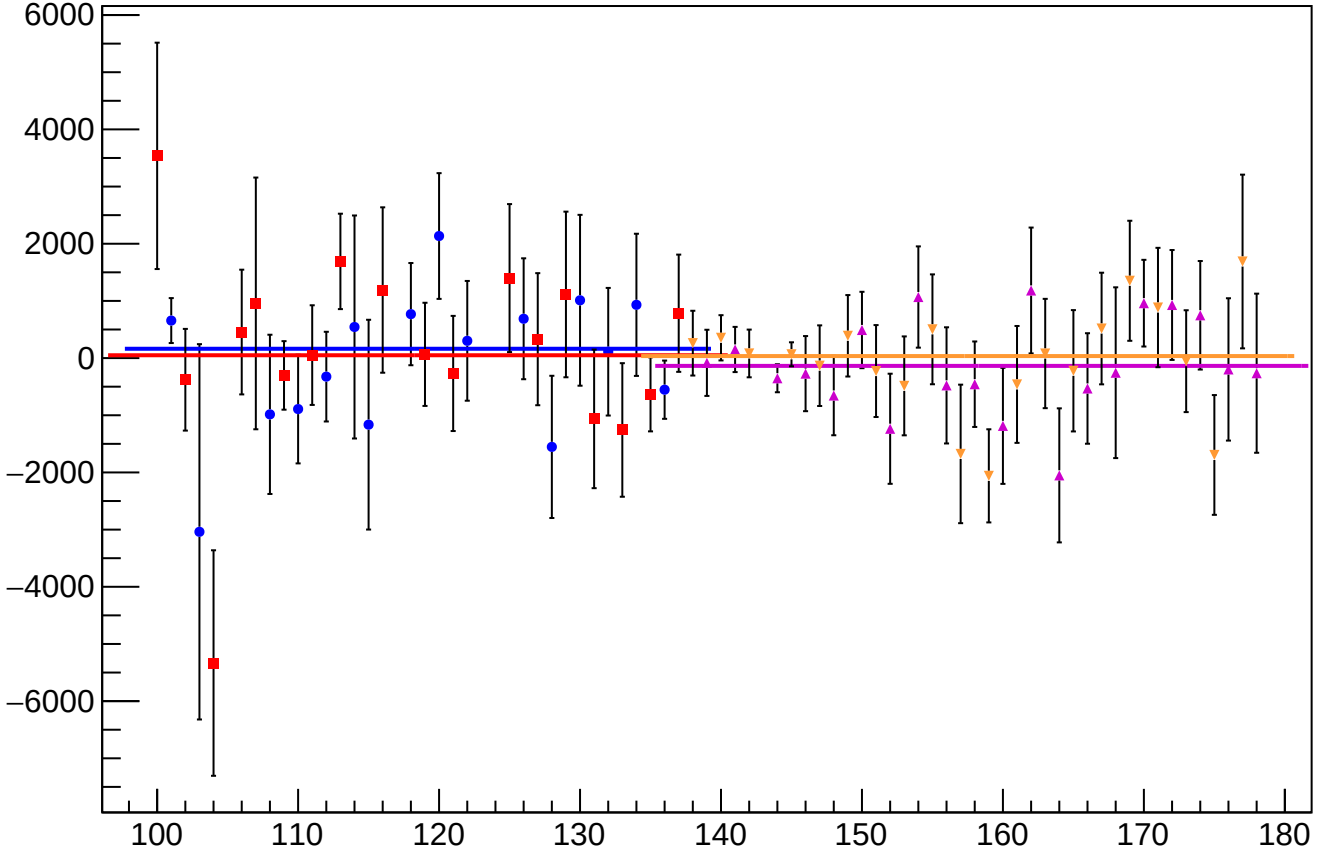
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1734.573+/-0.303 χ^2/NDF:2060.4/19

+ sign 1768.955+/-0.262 χ^2/NDF: 724072.6/35

All: 1773.452+/-0.185 χ^2/NDF: 1061196.9/73

- sign 1777.873+/-0.260 χ^2/NDF: 336541.1/37



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 35.384+/-133.041 χ^2/NDF:17.2/19

Right Out: 49.618+/-238.198 χ^2/NDF: 21.4/17

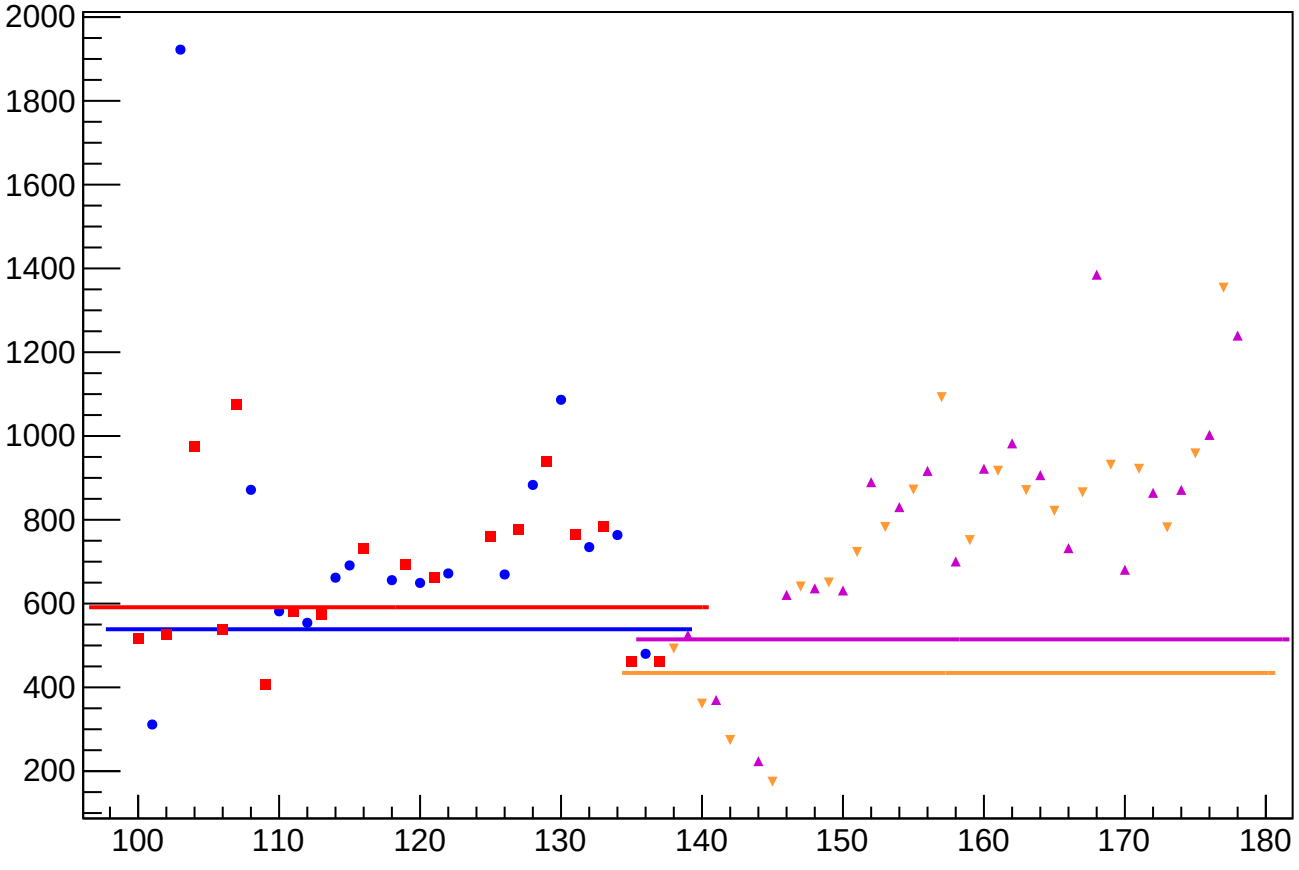
Left In: -136.388+/-145.987 χ^2/NDF:15.8/19

+ sign 69.590+/-113.846 χ^2/NDF: 31.3/35

All: -1.100+/-84.007 χ^2/NDF: 69.8/73

- sign -85.598+/-124.470 χ^2/NDF: 37.7/37

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 434.443+/-0.094 χ^2/NDF:9629767.1/19

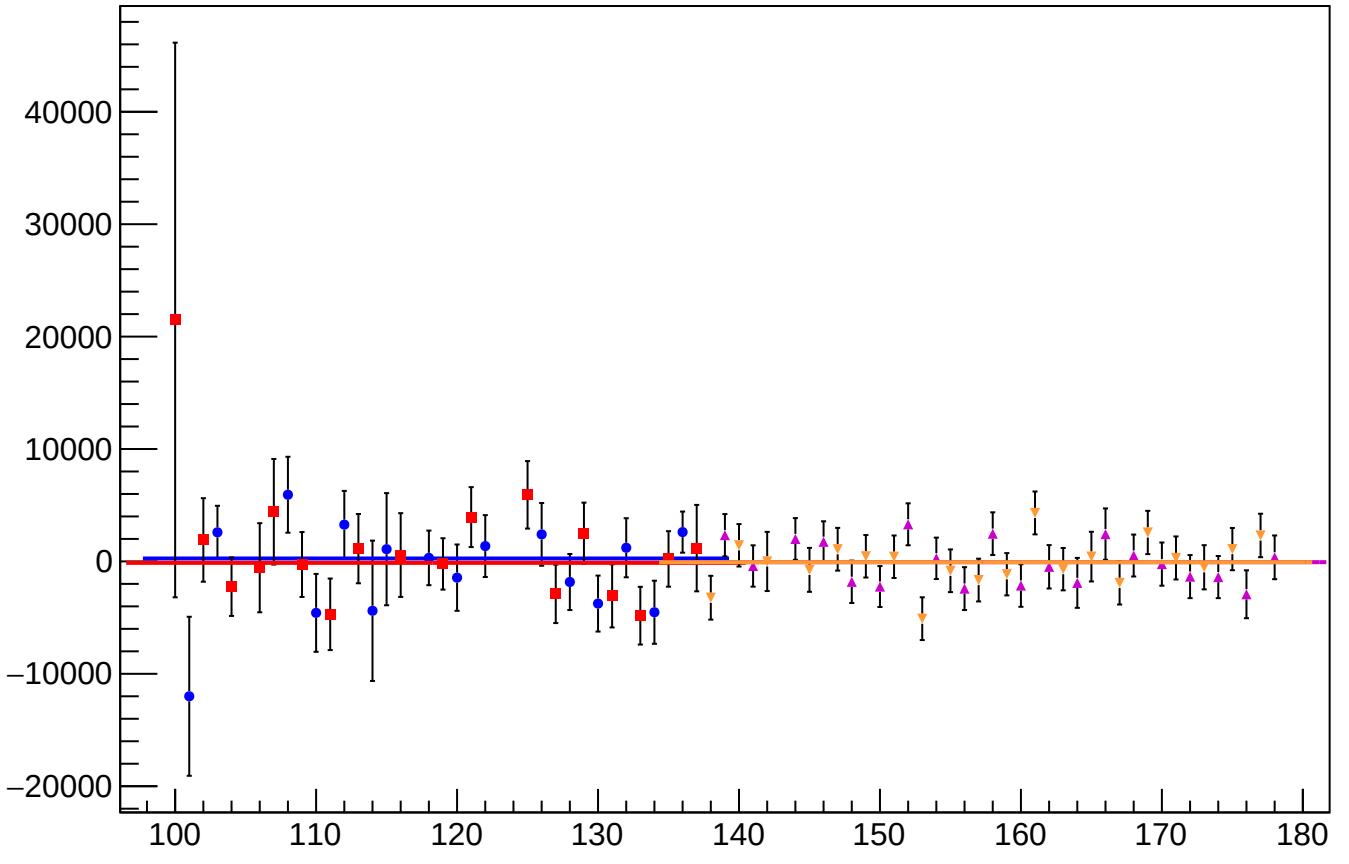
Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 514.565+/-0.103 χ^2/NDF:7435114.8/19

+ sign 462.357+/-0.081 χ^2/NDF: 11817508.1/35

All: 495.676+/-0.059 χ^2/NDF: 20623878.0/73

- sign 535.502+/-0.088 χ^2/NDF: 8430303.3/37



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -73.563+/-435.020 χ^2/NDF:22.3/19

Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

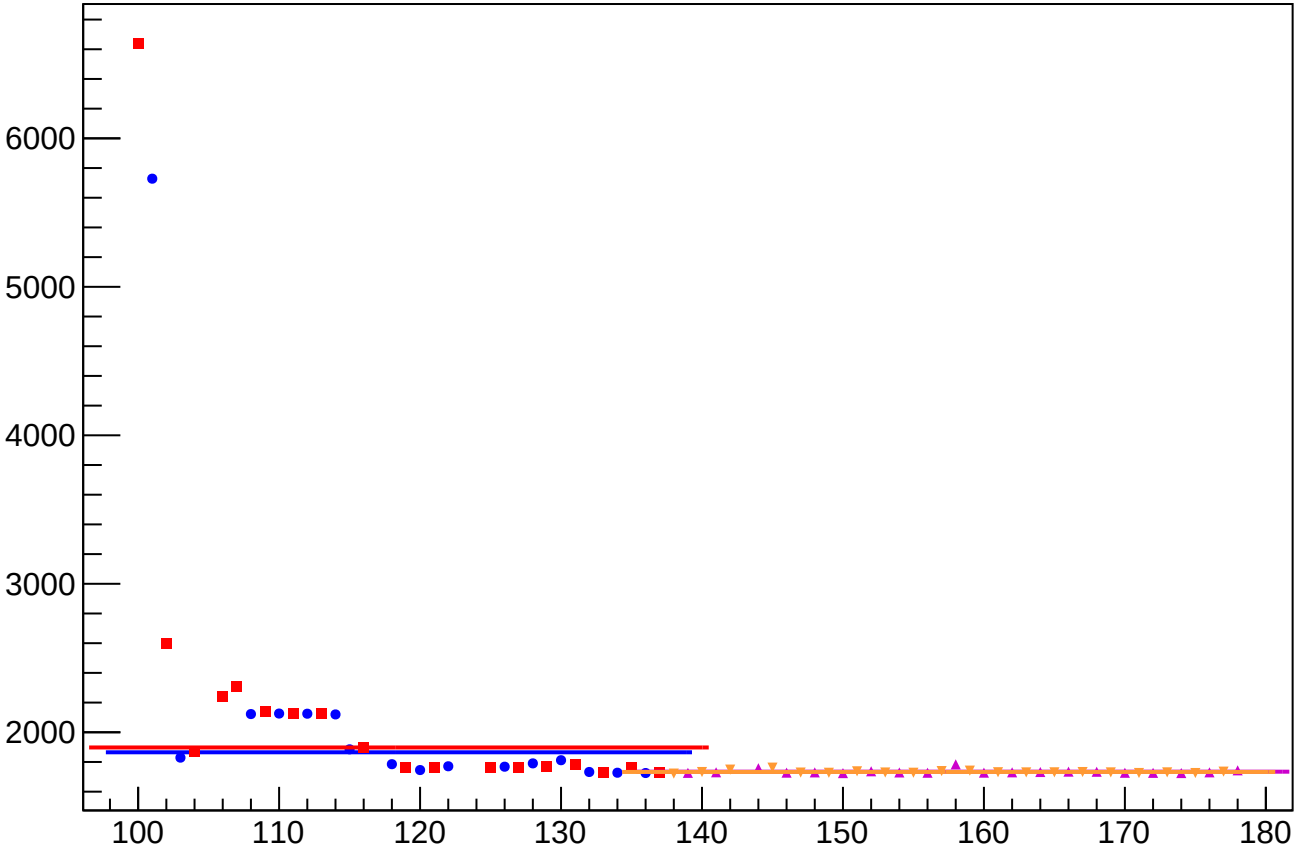
Left In: -66.755+/-429.037 χ^2/NDF:18.8/19

\+ sign 17.452+/-370.889 χ^2/NDF: 41.9/35

All: -33.486+/-261.128 χ^2/NDF: 78.7/73

\- sign -83.555+/-367.714 χ^2/NDF: 36.8/37

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: 1732.804+/-0.308 χ^2/NDF:776.9/19

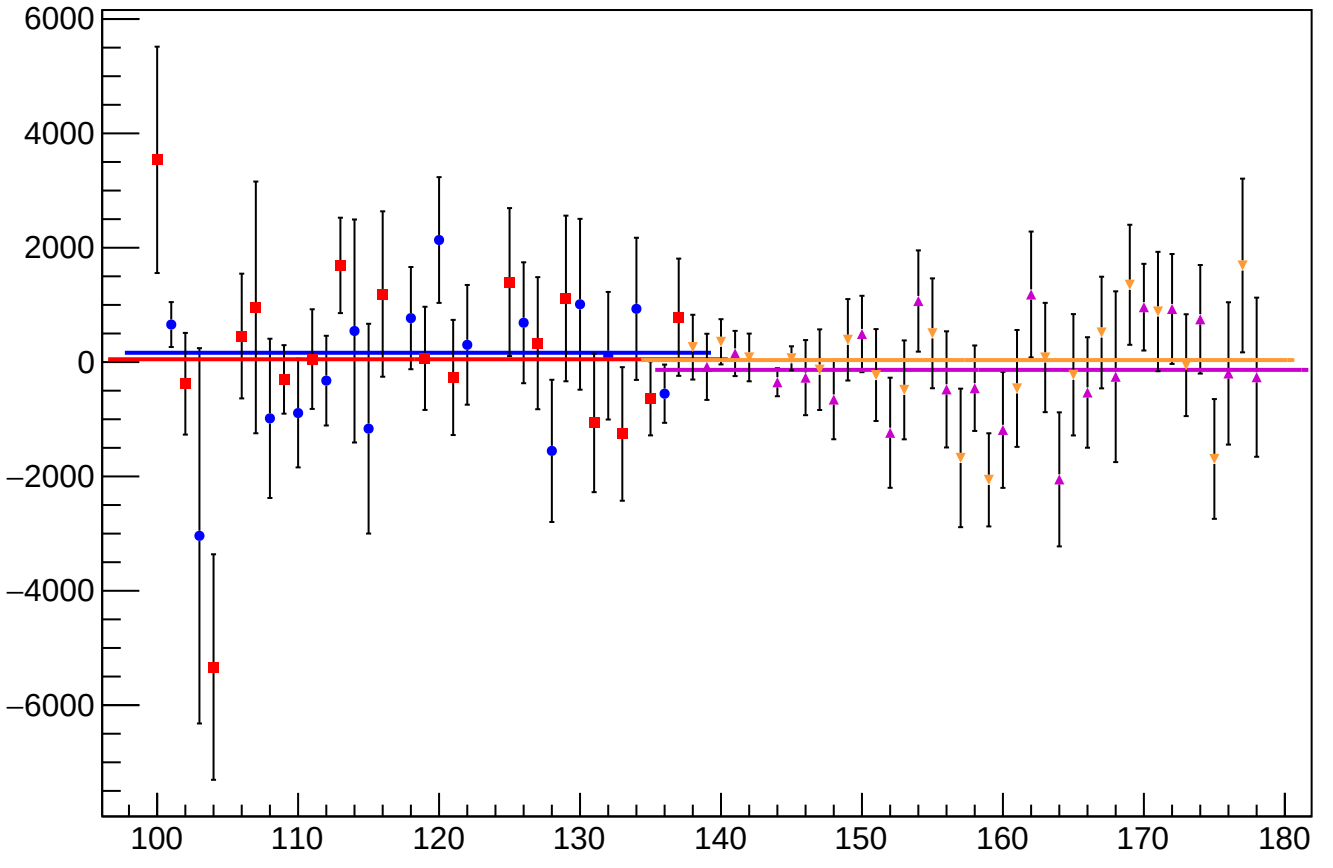
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1734.573+/-0.303 χ^2/NDF:2060.4/19

+ sign 1768.955+/-0.262 χ^2/NDF: 724072.6/35

All: 1773.452+/-0.185 χ^2/NDF: 1061196.9/73

- sign 1777.873+/-0.260 χ^2/NDF: 336541.1/37



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 35.384+/-133.041 χ^2/NDF:17.2/19

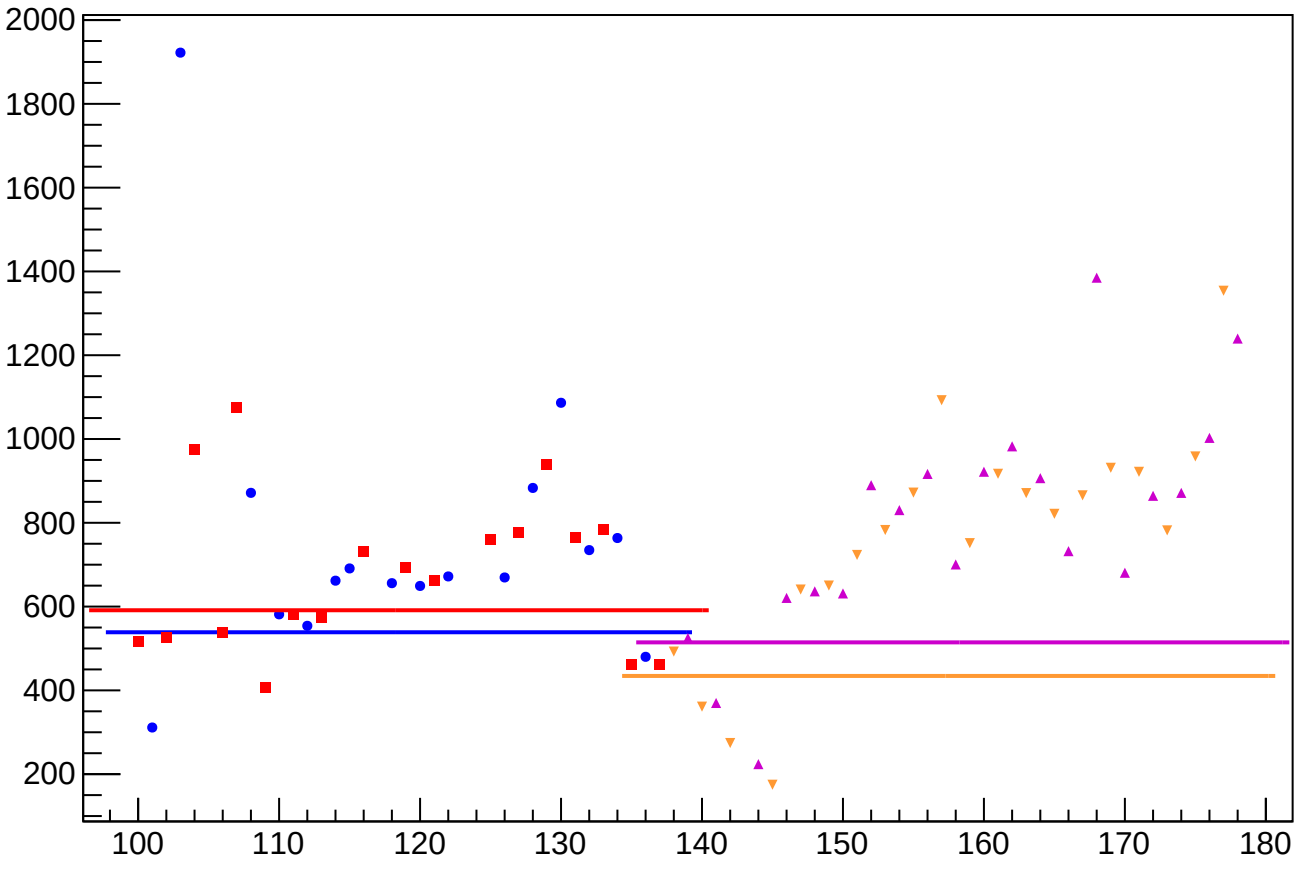
Right Out: 49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: -136.388+/-145.987 χ^2/NDF:15.8/19

+ sign 69.590+/-113.846 χ^2/NDF: 31.3/35

All: -1.100+/-84.007 χ^2/NDF: 69.8/73

- sign -85.598+/-124.470 χ^2/NDF: 37.7/37



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 434.443+/-0.094 χ^2/NDF:9629767.1/19

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

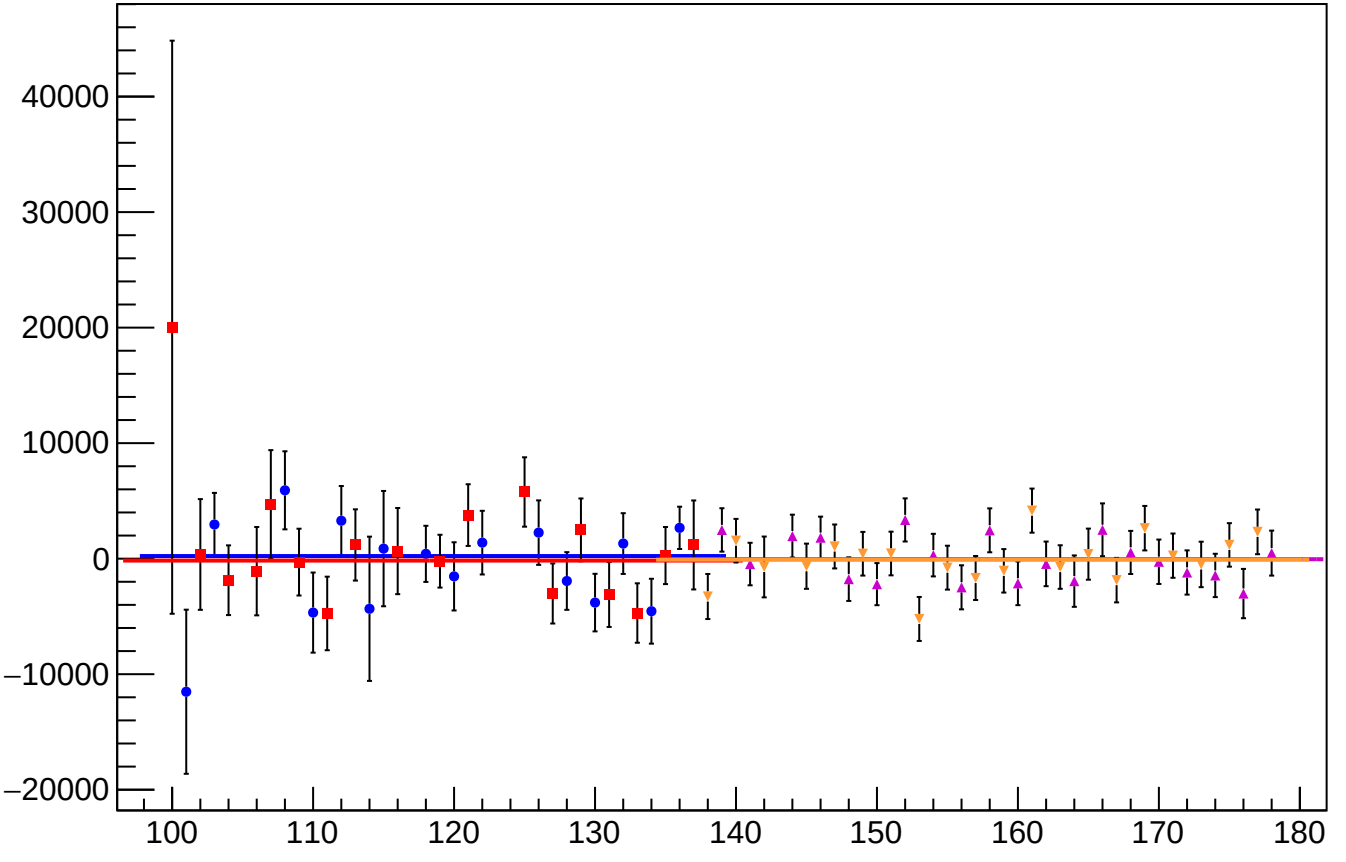
Left In: 514.565+/-0.103 χ^2/NDF:7435114.8/19

+ sign 462.357+/-0.081 χ^2/NDF: 11817508.1/35

All: 495.676+/-0.059 χ^2/NDF: 20623878.0/73

- sign 535.502+/-0.088 χ^2/NDF: 8430303.3/37

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -84.887+/-435.333 χ^2/NDF:22.5/19

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

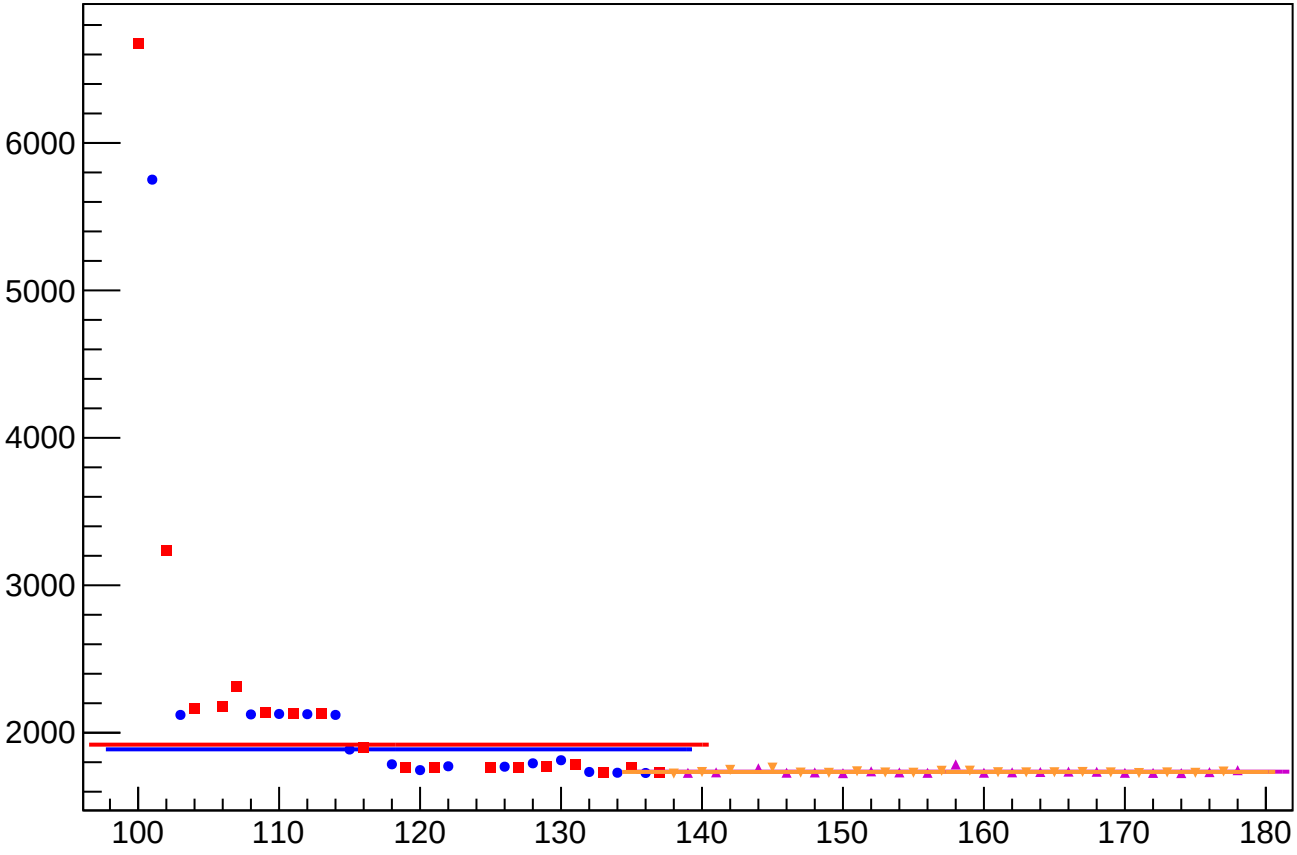
Left In: -46.251+/-429.344 χ^2/NDF:19.3/19

+ sign -1.354+/-372.332 χ^2/NDF: 42.0/35

All: -39.311+/-262.282 χ^2/NDF: 78.4/73

- sign -76.699+/-369.530 χ^2/NDF: 36.4/37

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1734.048+/-0.308 χ^2/NDF:778.0/19

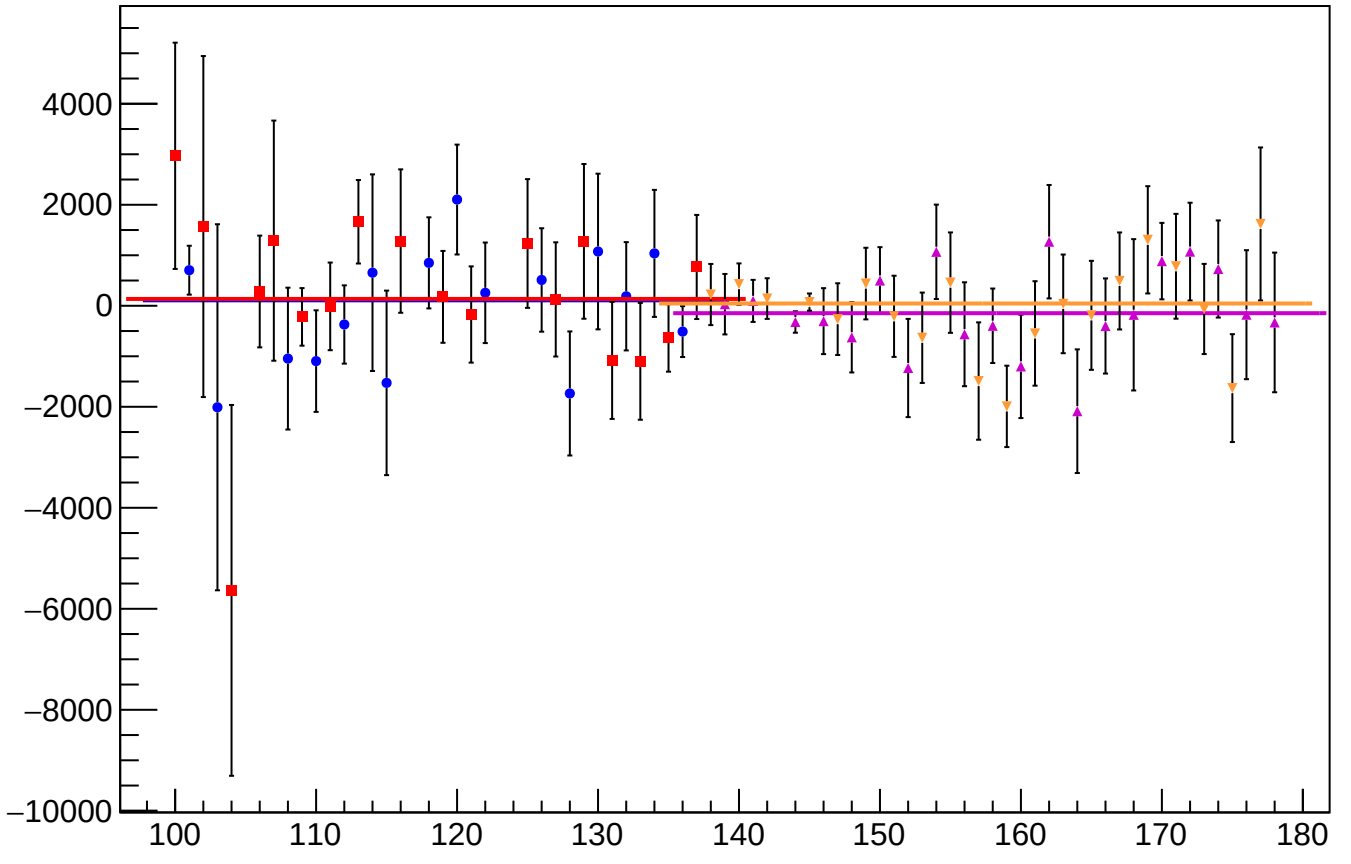
Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1735.812+/-0.304 χ^2/NDF:2070.1/19

+ sign 1775.199+/-0.263 χ^2/NDF: 756777.4/35

All: 1779.300+/-0.185 χ^2/NDF: 1206446.0/73

- sign 1783.341+/-0.261 χ^2/NDF: 449186.8/37



Right In: 108.131+/-231.711 χ^2/NDF: 14.2/15

Left Out: 45.258+/-121.555 χ^2/NDF:16.6/19

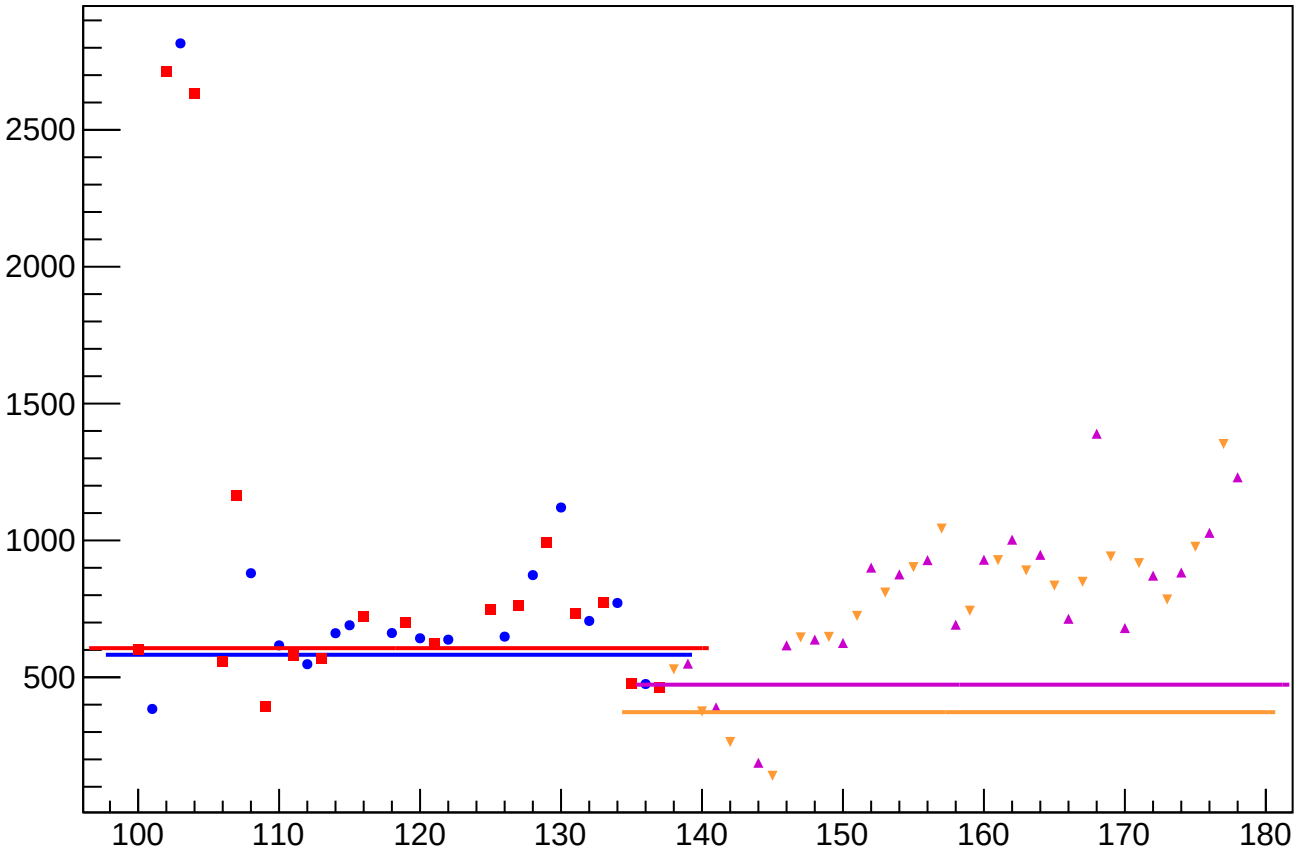
Right Out: 135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: -146.629+/-139.412 χ^2/NDF:15.3/19

+ sign 58.827+/-107.642 χ^2/NDF: 30.8/35

All: -1.486+/-80.507 χ^2/NDF: 62.2/73

- sign -78.051+/-121.281 χ^2/NDF: 30.7/37



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 372.565+/-0.086 χ^2/NDF:12139408.8/19

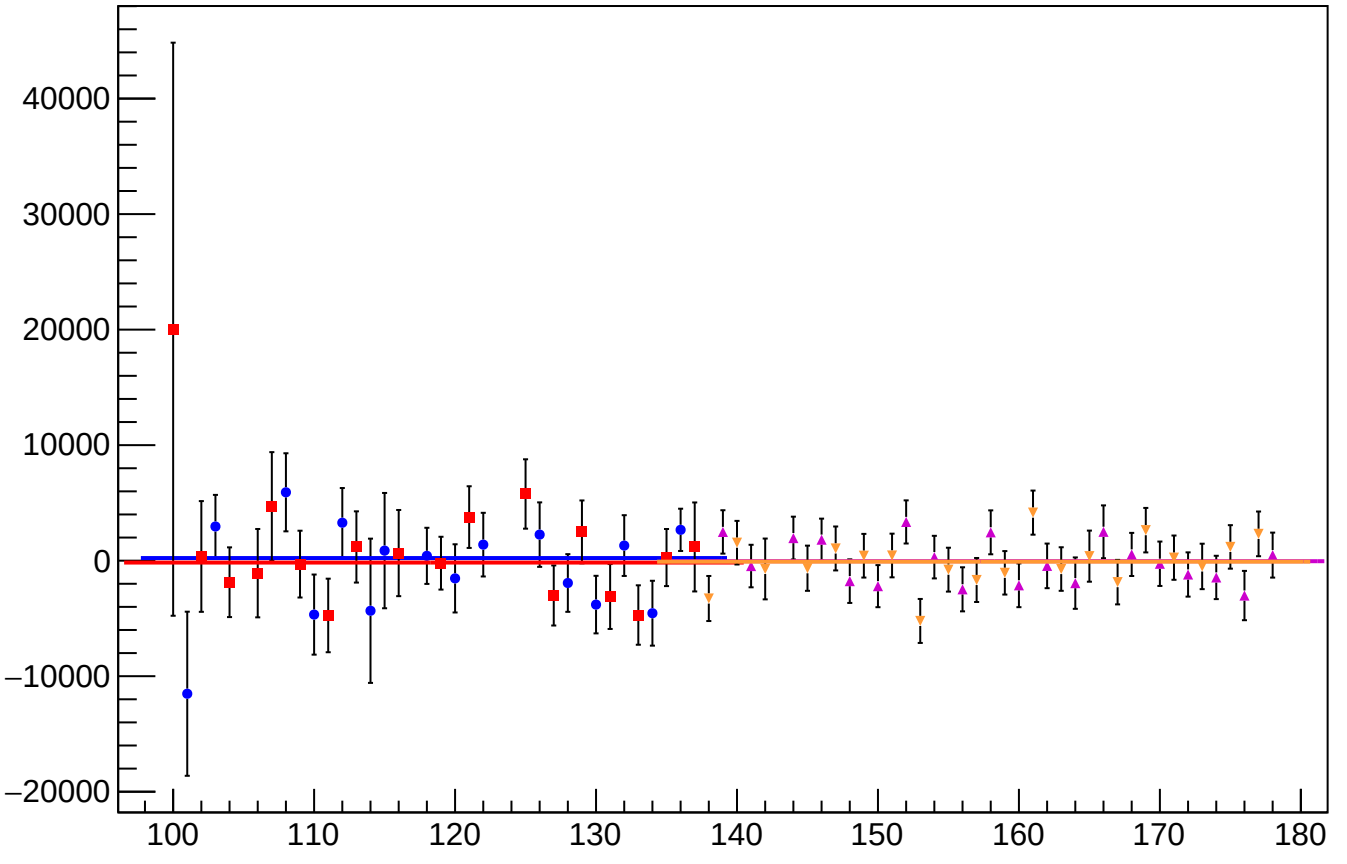
Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 472.991+/-0.099 χ^2/NDF:9217350.8/19

+ sign 417.821+/-0.076 χ^2/NDF: 15178339.1/35

All: 456.432+/-0.057 χ^2/NDF: 27623822.7/73

- sign 505.447+/-0.086 χ^2/NDF: 11861492.0/37



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -84.890+/-435.333 χ^2/NDF:22.5/19

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

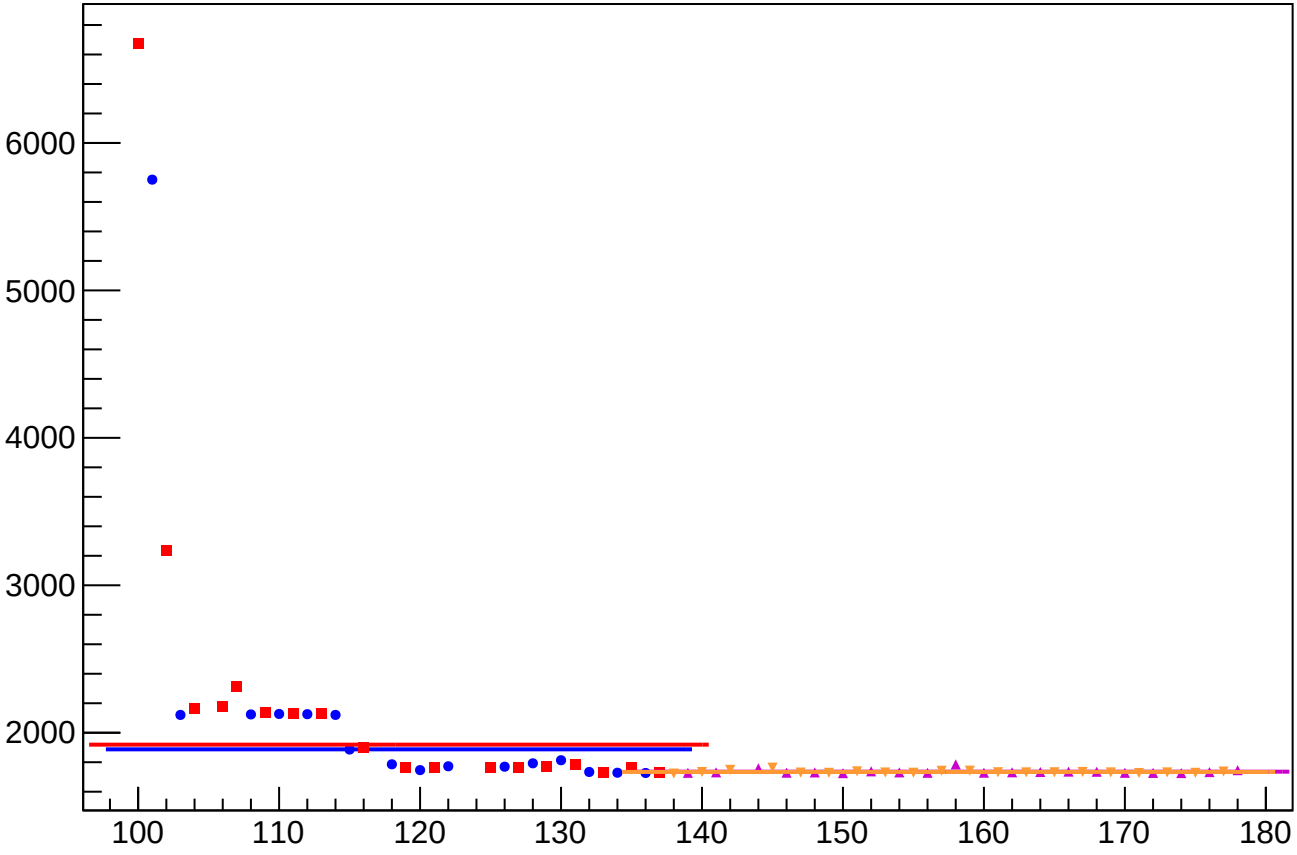
Left In: -46.251+/-429.344 χ^2/NDF:19.3/19

+ sign -1.356+/-372.332 χ^2/NDF: 42.0/35

All: -39.312+/-262.282 χ^2/NDF: 78.4/73

- sign -76.699+/-369.530 χ^2/NDF: 36.4/37

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: 1734.048+/-0.308 χ^2/NDF:778.0/19

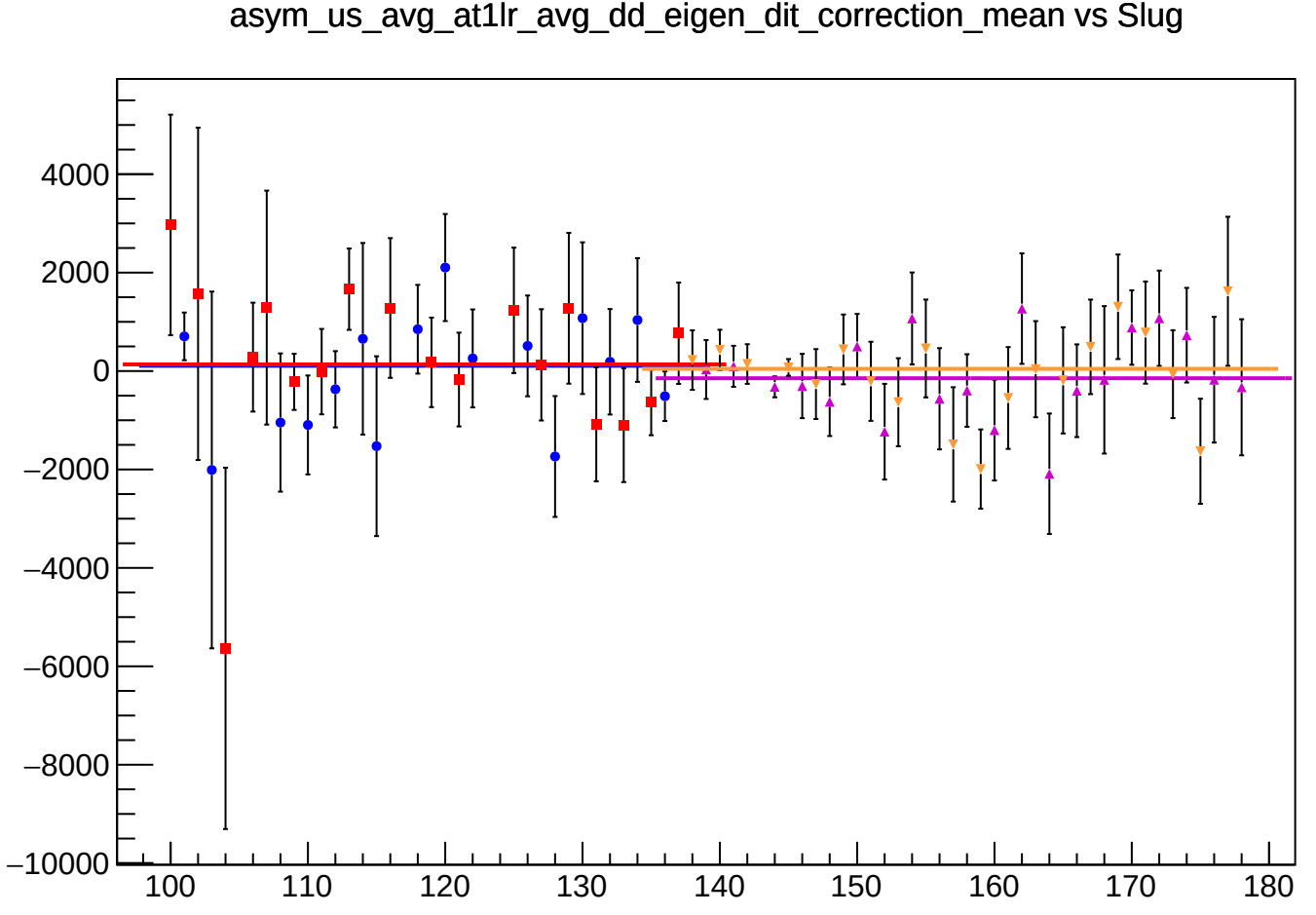
Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1735.812+/-0.304 χ^2/NDF:2070.1/19

+ sign 1775.199+/-0.263 χ^2/NDF: 756777.0/35

All: 1779.300+/-0.185 χ^2/NDF: 1206444.8/73

- sign 1783.341+/-0.261 χ^2/NDF: 449185.9/37



Right In: 108.128+/-231.710 χ^2/NDF: 14.2/15

Left Out: 45.257+/-121.555 χ^2/NDF:16.6/19

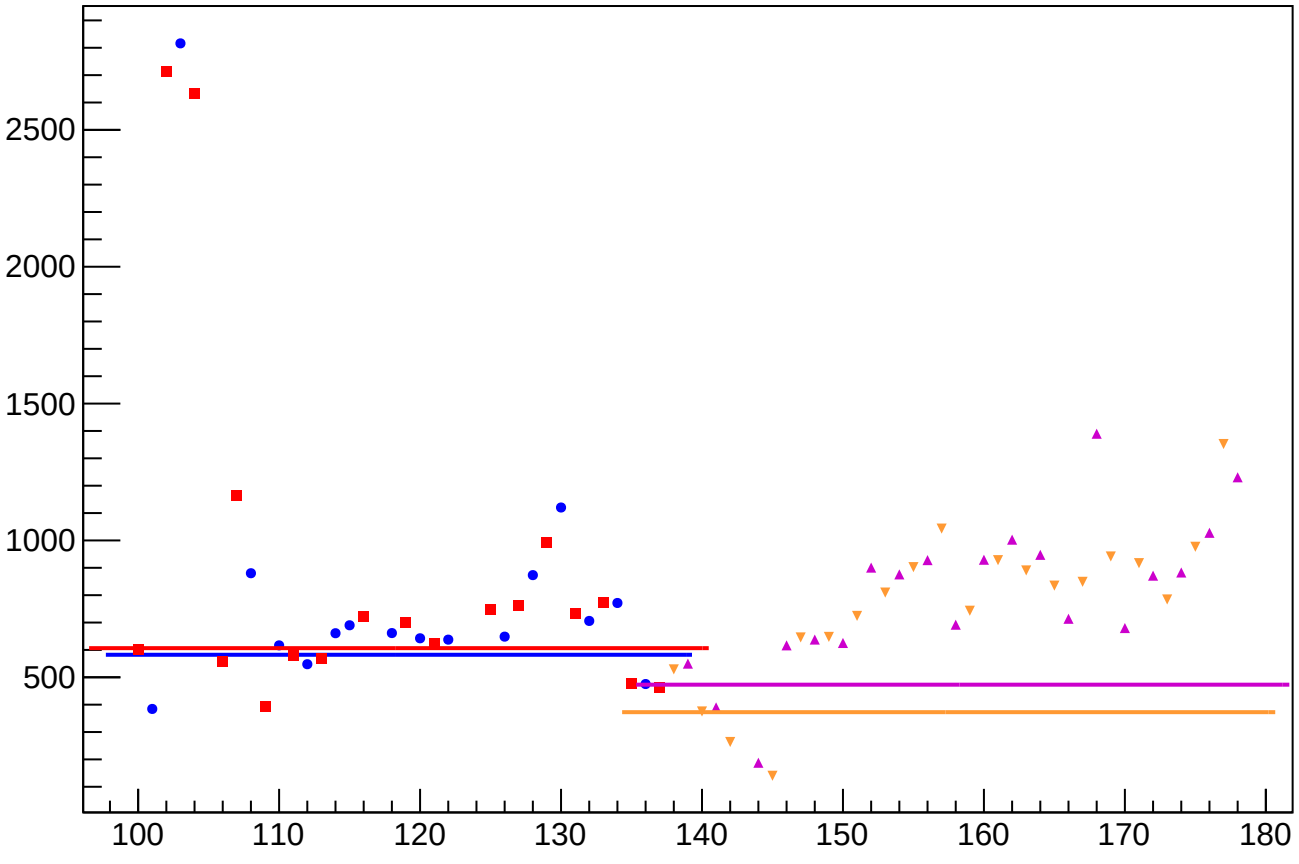
Right Out: 135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: -146.629+/-139.413 χ^2/NDF:15.3/19

+ sign 58.825+/-107.642 χ^2/NDF: 30.8/35

All: -1.487+/-80.507 χ^2/NDF: 62.2/73

- sign -78.051+/-121.281 χ^2/NDF: 30.7/37



Right In: 582.268+/-0.164 χ^2/NDF: 1754289.3/15

Left Out: 372.565+/-0.086 χ^2/NDF:12139448.1/19

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

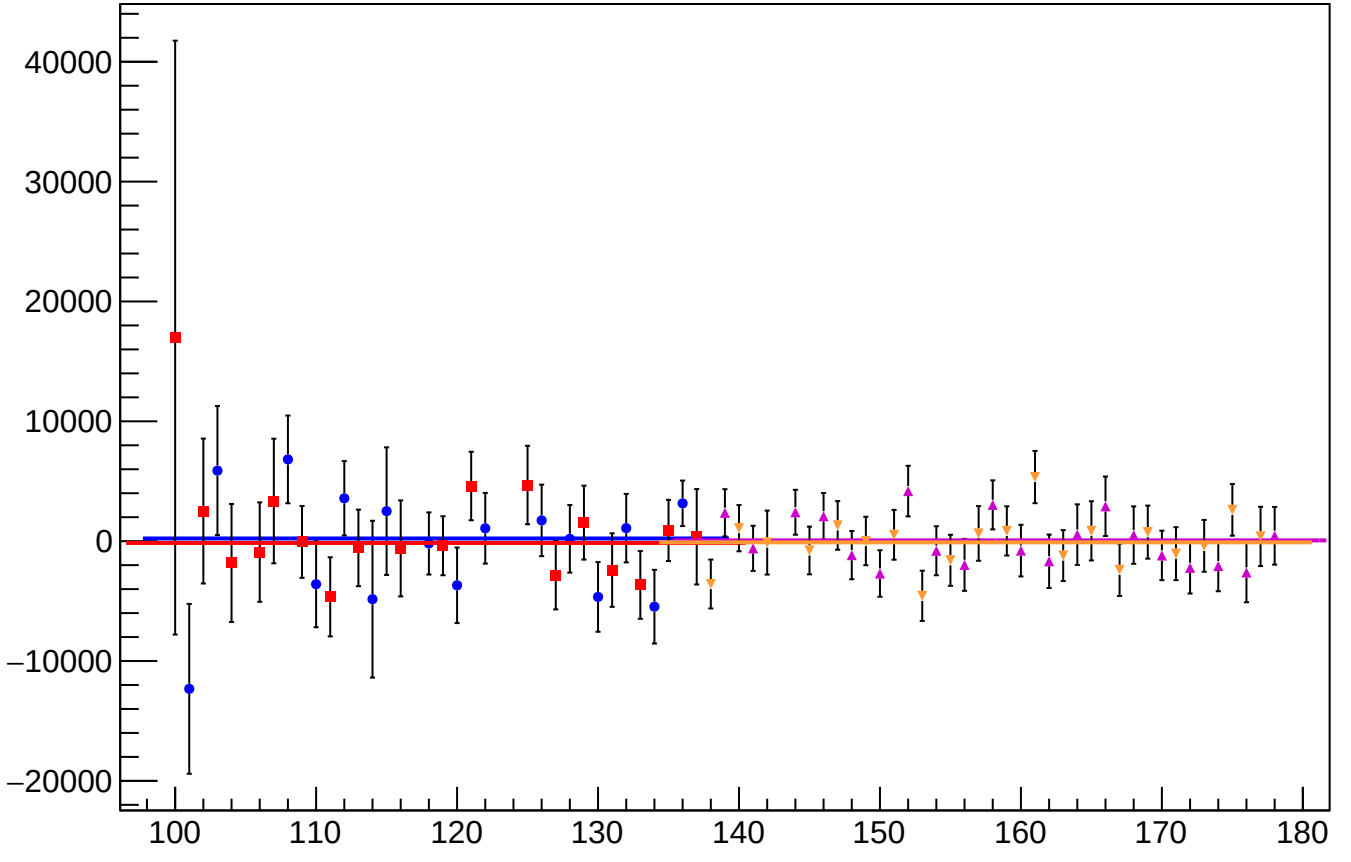
Left In: 472.991+/-0.099 χ^2/NDF:9217373.7/19

+ sign 417.821+/-0.076 χ^2/NDF: 15178351.3/35

All: 456.432+/-0.057 χ^2/NDF: 27623846.7/73

- sign 505.447+/-0.086 χ^2/NDF: 11861503.9/37

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: -97.031+/-481.946 χ^2/NDF:19.1/19

Right Out: -147.974+/-794.180 χ^2/NDF: 11.6/17

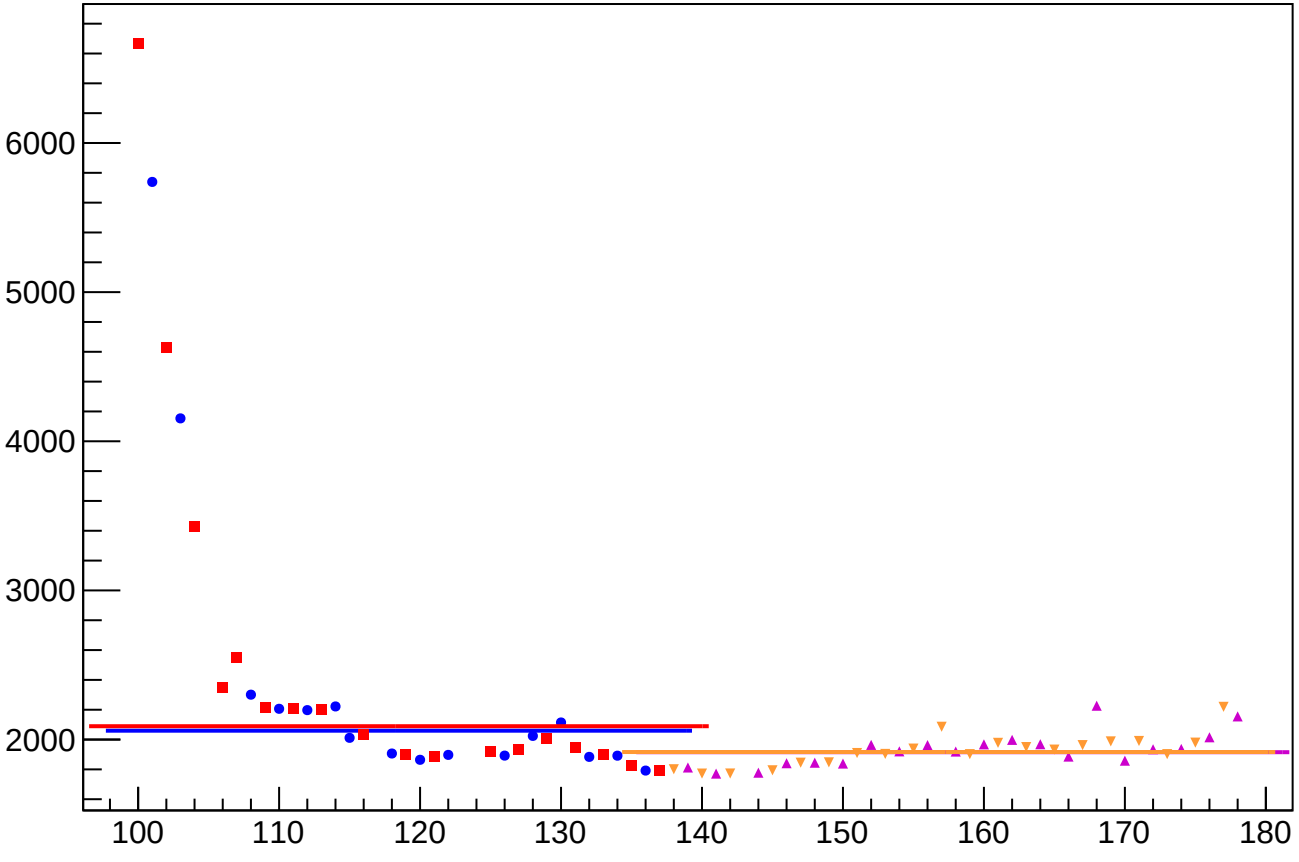
Left In: 66.018+/-474.546 χ^2/NDF:19.4/19

+ sign -10.087+/-411.665 χ^2/NDF: 40.4/35

All: -0.081+/-289.558 χ^2/NDF: 71.4/73

- sign 9.716+/-407.363 χ^2/NDF: 31.0/37

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1916.408+/-0.341 χ^2/NDF:86456.3/19

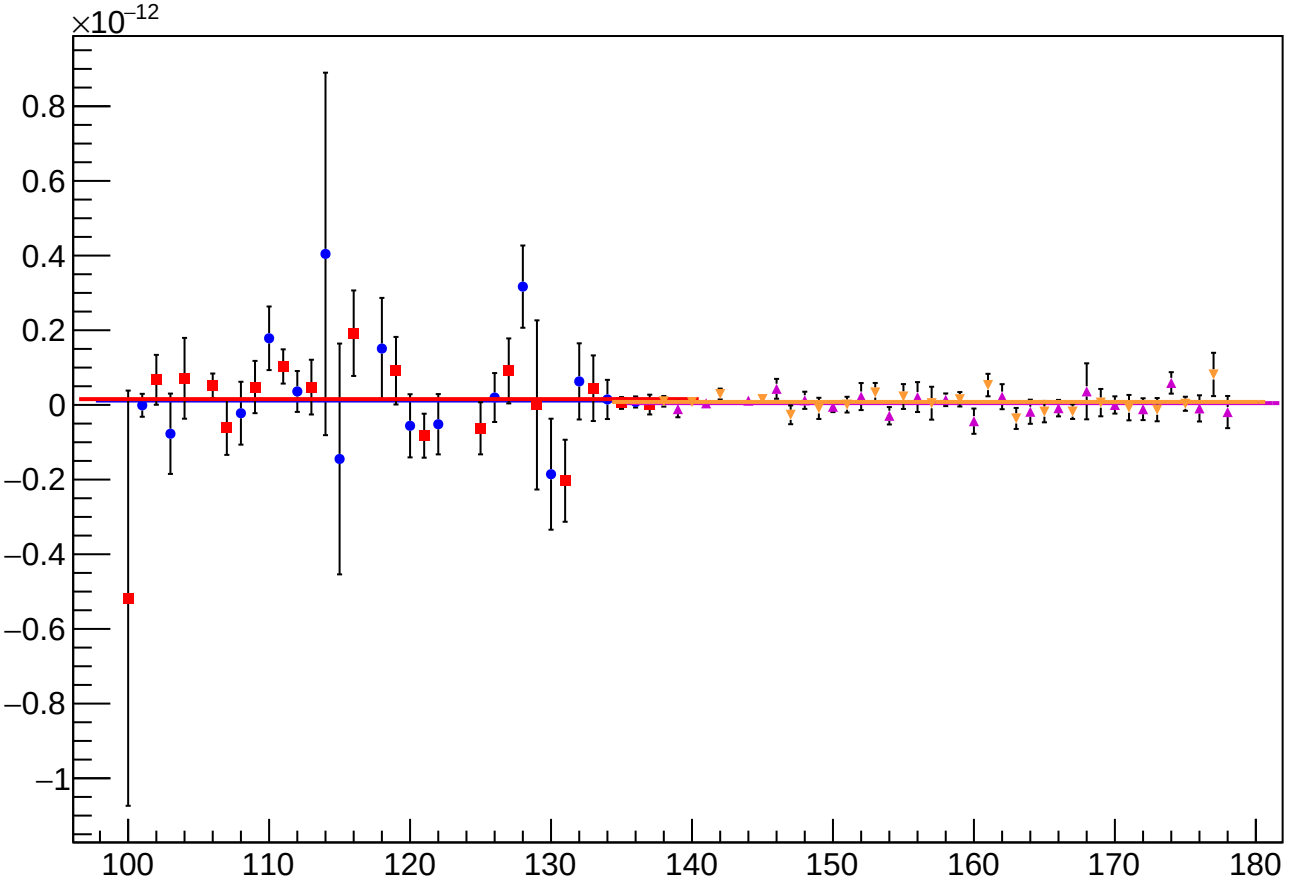
Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1915.256+/-0.336 χ^2/NDF:102329.3/19

+ sign 1955.098+/-0.291 χ^2/NDF: 1073998.3/35

All: 1958.127+/-0.205 χ^2/NDF: 1928933.0/73

- sign 1961.094+/-0.288 χ^2/NDF: 854720.4/37



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.8/19

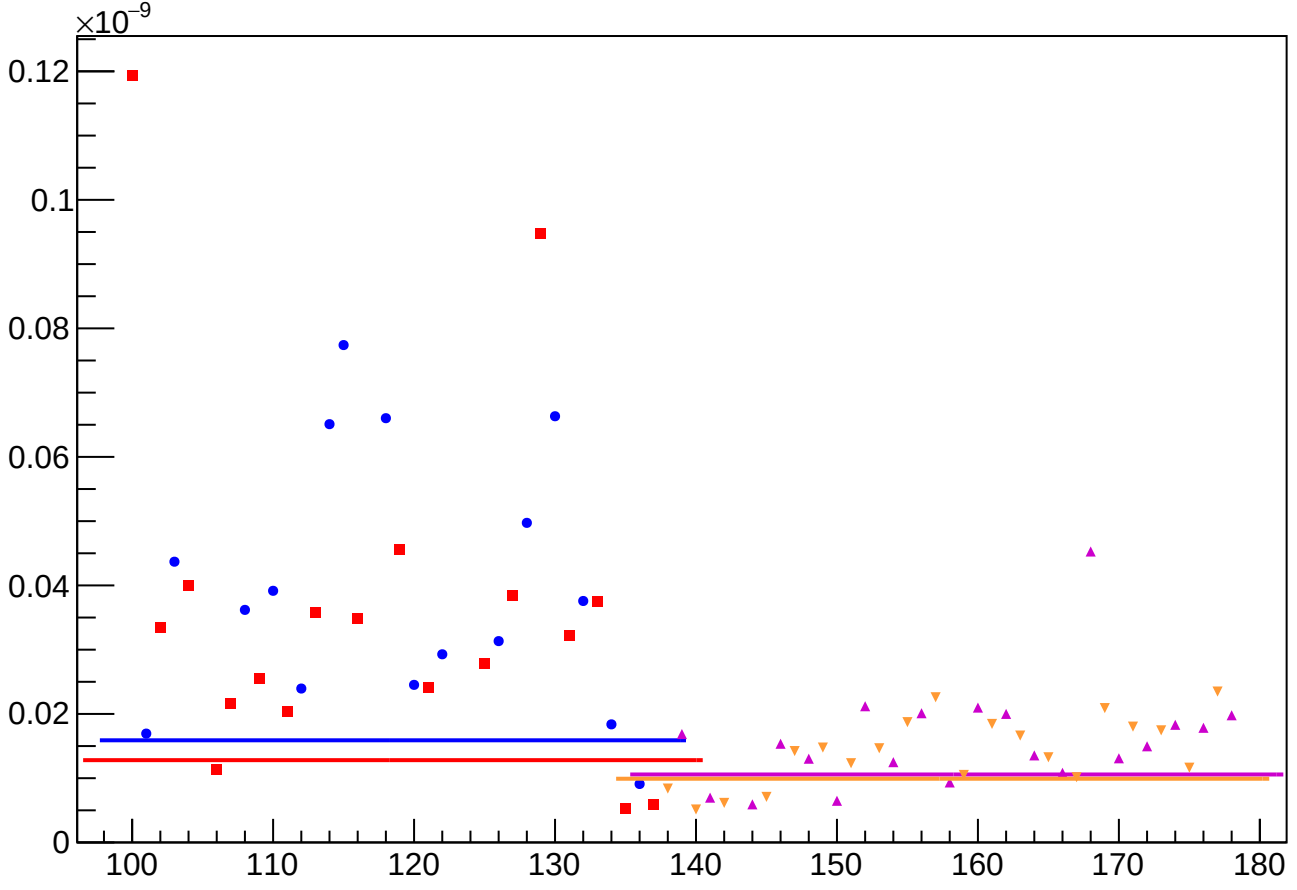
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/17

Left In: 0.000+/-0.000 χ^2/NDF:14.2/19

+ sign 0.000+/-0.000 χ^2/NDF: 33.9/35

All: 0.000+/-0.000 χ^2/NDF: 69.8/73

- sign 0.000+/-0.000 χ^2/NDF: 35.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2117050.4/19

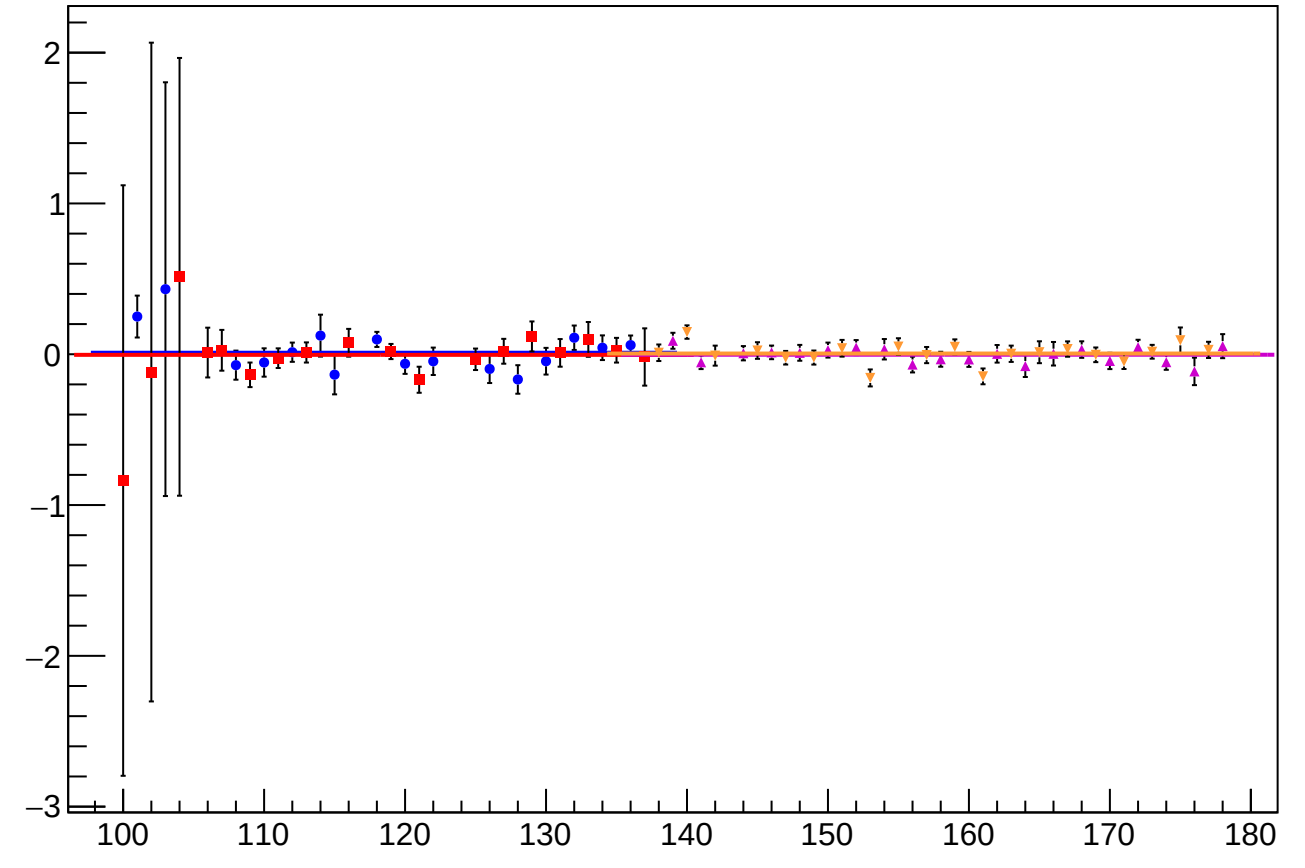
Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

Left In: 0.000+/-0.000 χ^2/NDF:2562817.8/19

+ sign 0.000+/-0.000 χ^2/NDF: 4517126.0/35

All: 0.000+/-0.000 χ^2/NDF: 9642372.7/73

- sign 0.000+/-0.000 χ^2/NDF: 5121876.2/37



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.005+/-0.012 χ^2/NDF:32.5/19

Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

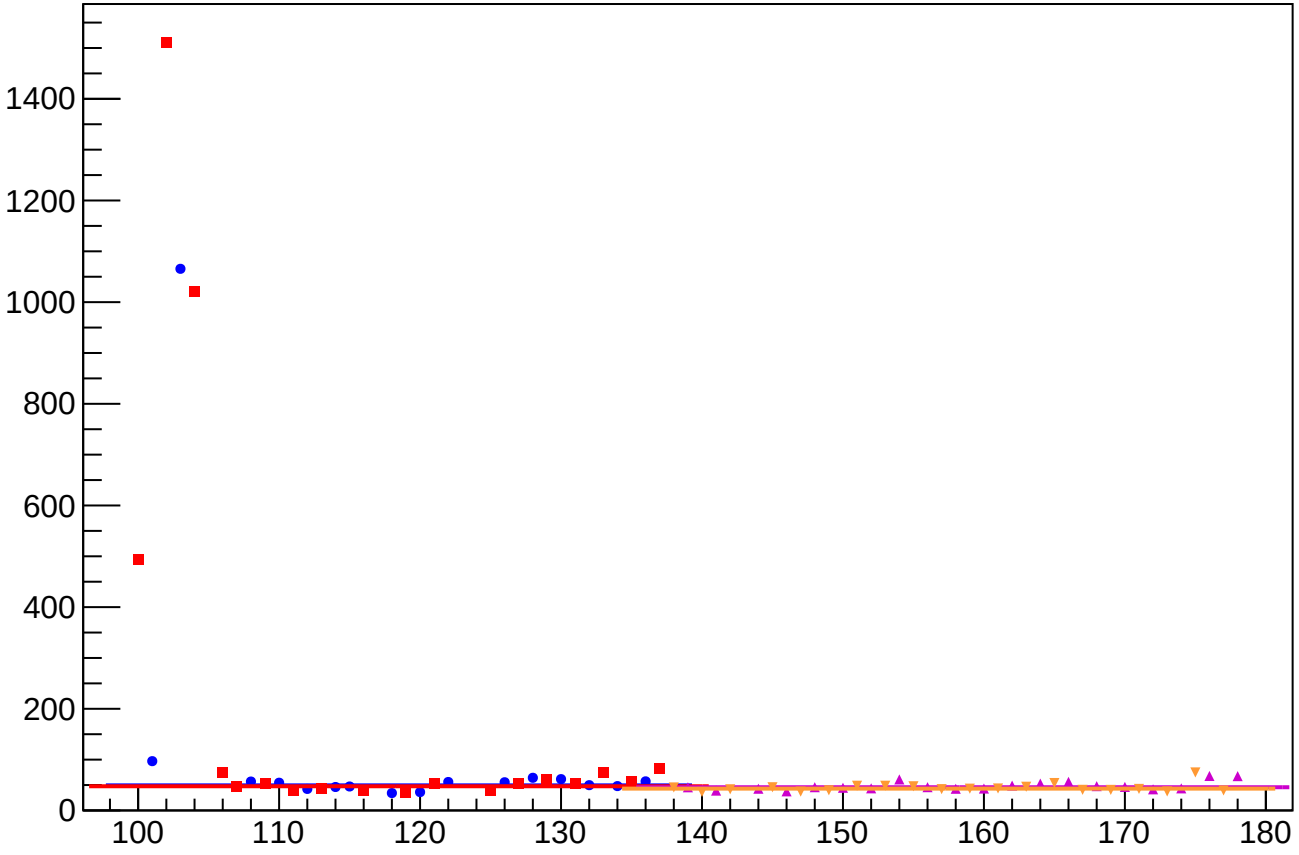
Left In: -0.003+/-0.012 χ^2/NDF:14.4/19

+ sign 0.006+/-0.010 χ^2/NDF: 50.9/35

All: 0.001+/-0.007 χ^2/NDF: 76.2/73

- sign -0.003+/-0.011 χ^2/NDF: 24.9/37

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: 42.968+/-0.008 χ^2/NDF:537371.2/19

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

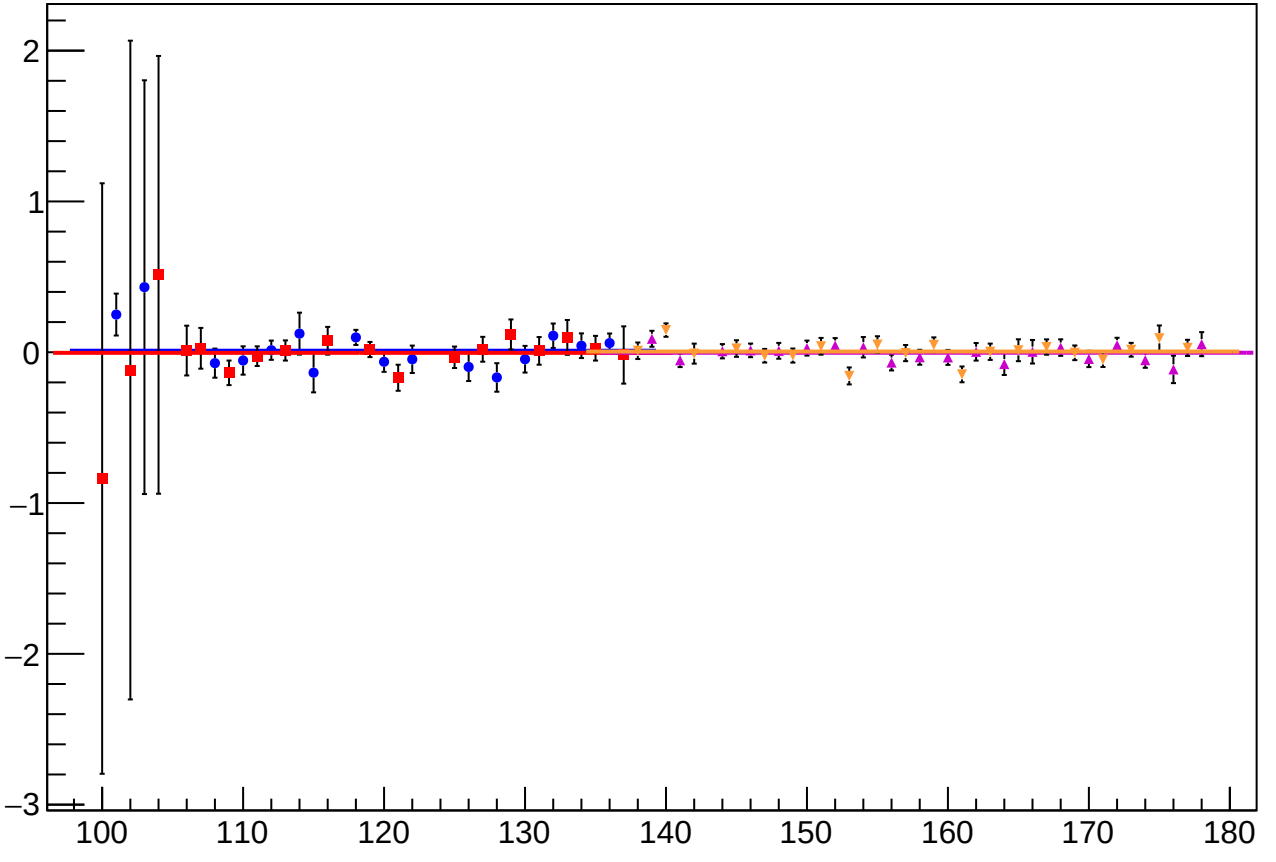
Left In: 45.675+/-0.009 χ^2/NDF:587286.4/19

+ sign 44.509+/-0.007 χ^2/NDF: 2454217.6/35

All: 45.304+/-0.005 χ^2/NDF: 5496301.0/73

- sign 46.143+/-0.007 χ^2/NDF: 3017638.0/37

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.005+/-0.012 χ^2/NDF:32.5/19

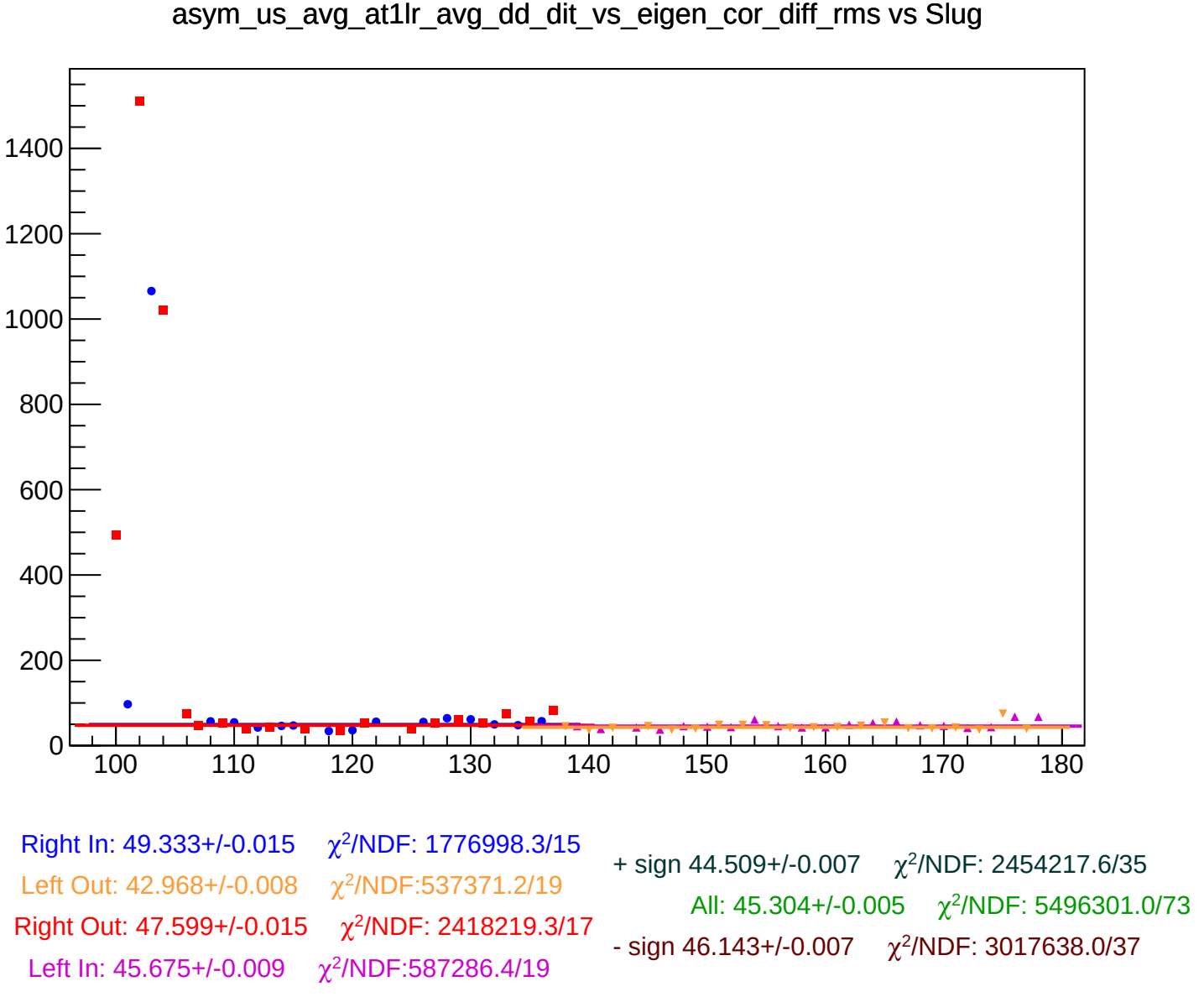
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.003+/-0.012 χ^2/NDF:14.4/19

+ sign 0.006+/-0.010 χ^2/NDF: 50.9/35

All: 0.001+/-0.007 χ^2/NDF: 76.2/73

- sign -0.003+/-0.011 χ^2/NDF: 24.9/37


asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug
1400
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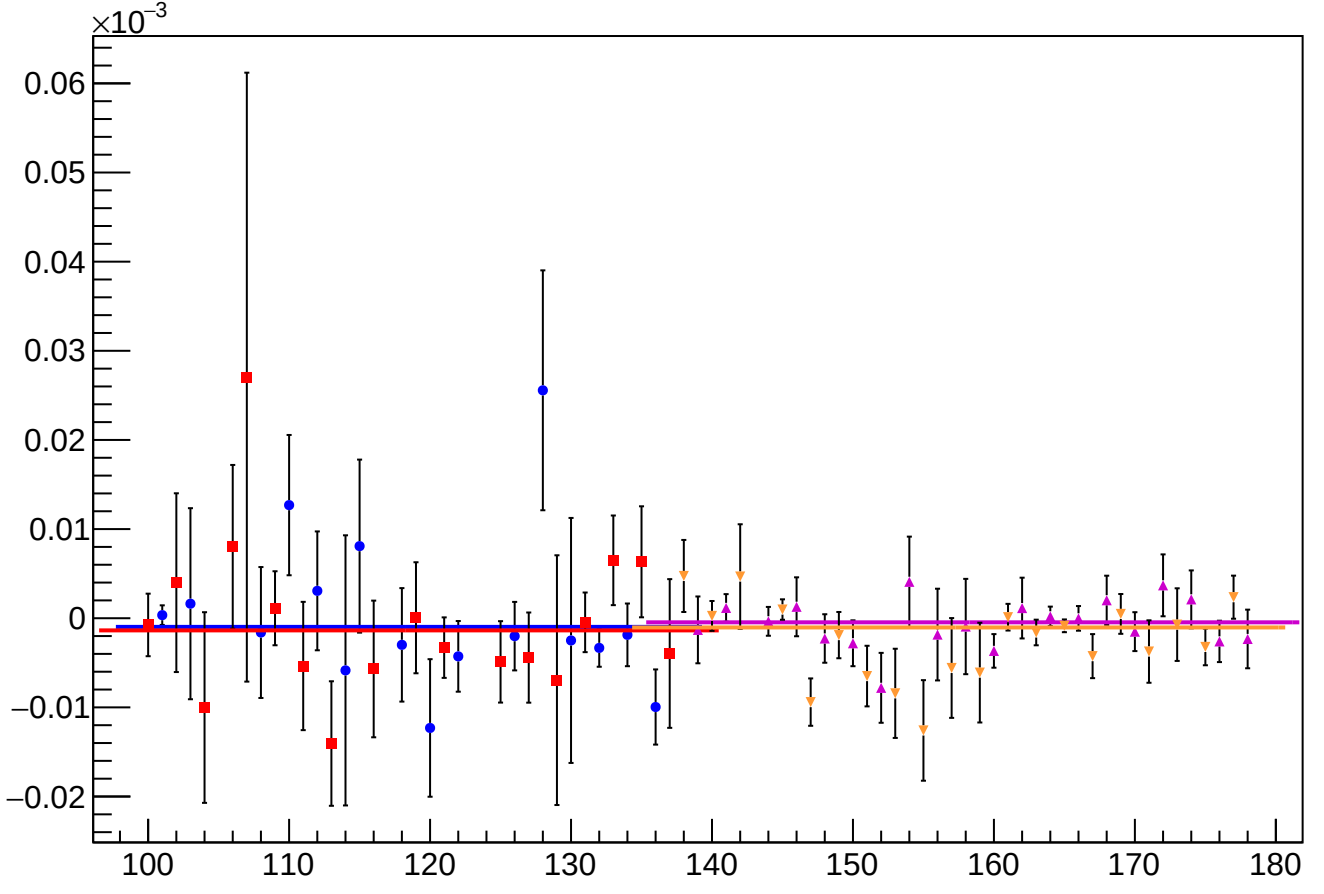
400
200
0
100
110
120
130
140
150
160
170
180
Right In: 49.333+/-0.015 χ²/NDF: 1776998.3/15
Left Out: 42.968+/-0.008 χ²/NDF:537371.2/19
Right Out: 47.599+/-0.015 χ²/NDF: 2418219.3/17
Left In: 45.675+/-0.009 χ²/NDF:587286.4/19
+ sign 44.509+/-0.007 χ²/NDF: 2454217.6/35
All: 45.304+/-0.005 χ²/NDF: 5496301.0/73
- sign 46.143+/-0.007 χ²/NDF: 3017638.0/37



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.8/19

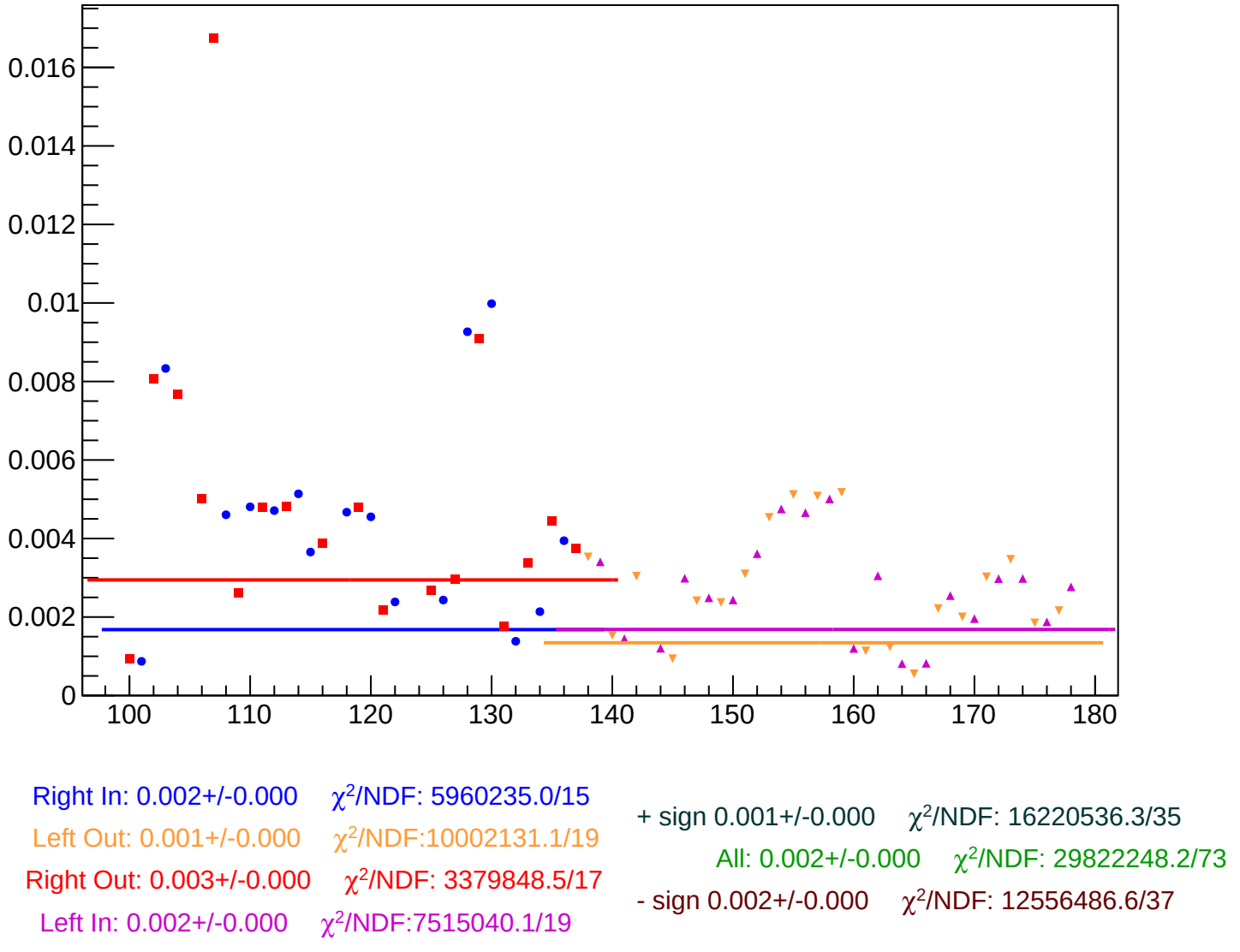
Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:15.0/19

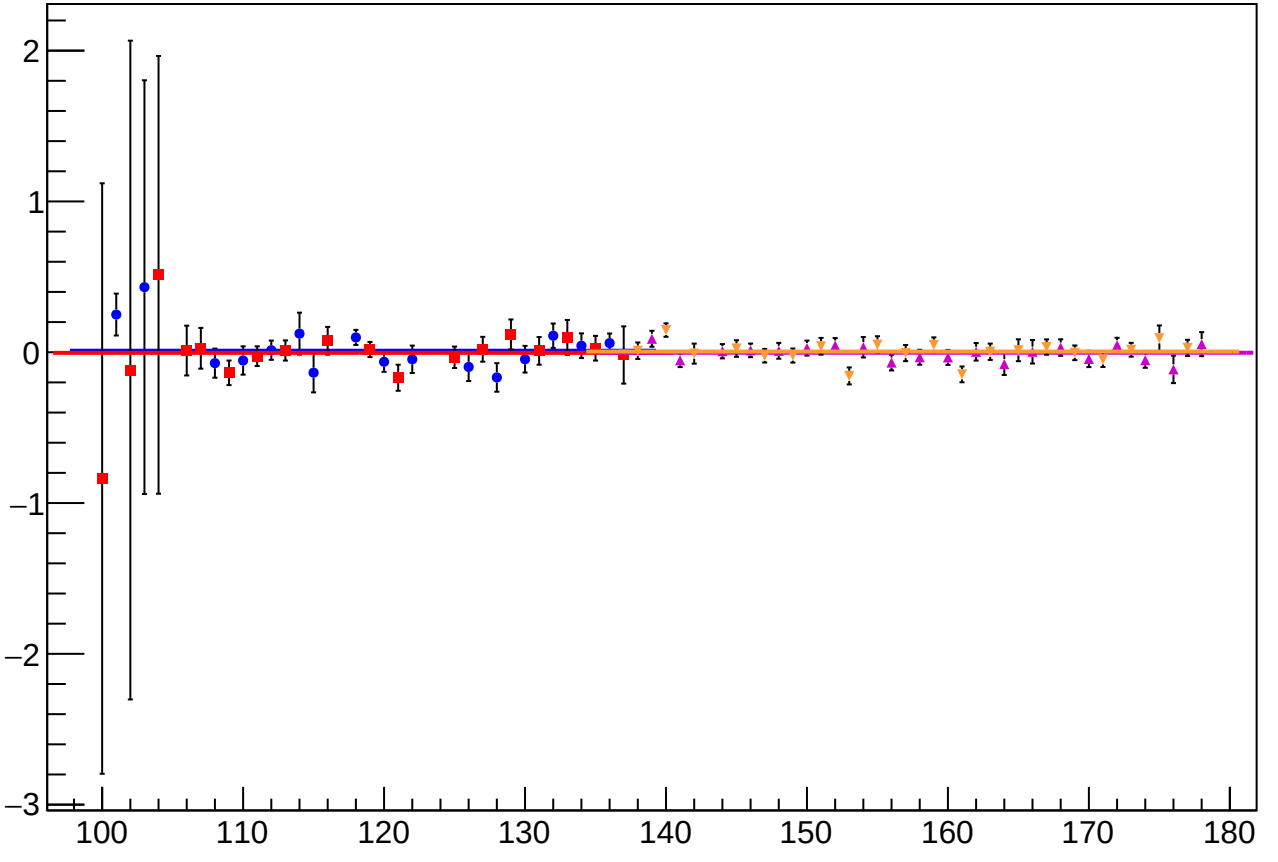
+ sign -0.000+/-0.000 χ^2/NDF: 52.5/35

All: -0.000+/-0.000 χ^2/NDF: 81.0/73

- sign -0.000+/-0.000 χ^2/NDF: 28.0/37


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
170
180
Right In: 0.002+/-0.000 χ²/NDF: 5960235.0/15
Left Out: 0.001+/-0.000 χ²/NDF:10002131.1/19
Right Out: 0.003+/-0.000 χ²/NDF: 3379848.5/17
Left In: 0.002+/-0.000 χ²/NDF:7515040.1/19
+ sign 0.001+/-0.000 χ²/NDF: 16220536.3/35
All: 0.002+/-0.000 χ²/NDF: 29822248.2/73
- sign 0.002+/-0.000 χ²/NDF: 12556486.6/37

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: 0.005+/-0.012 χ^2/NDF:32.5/19

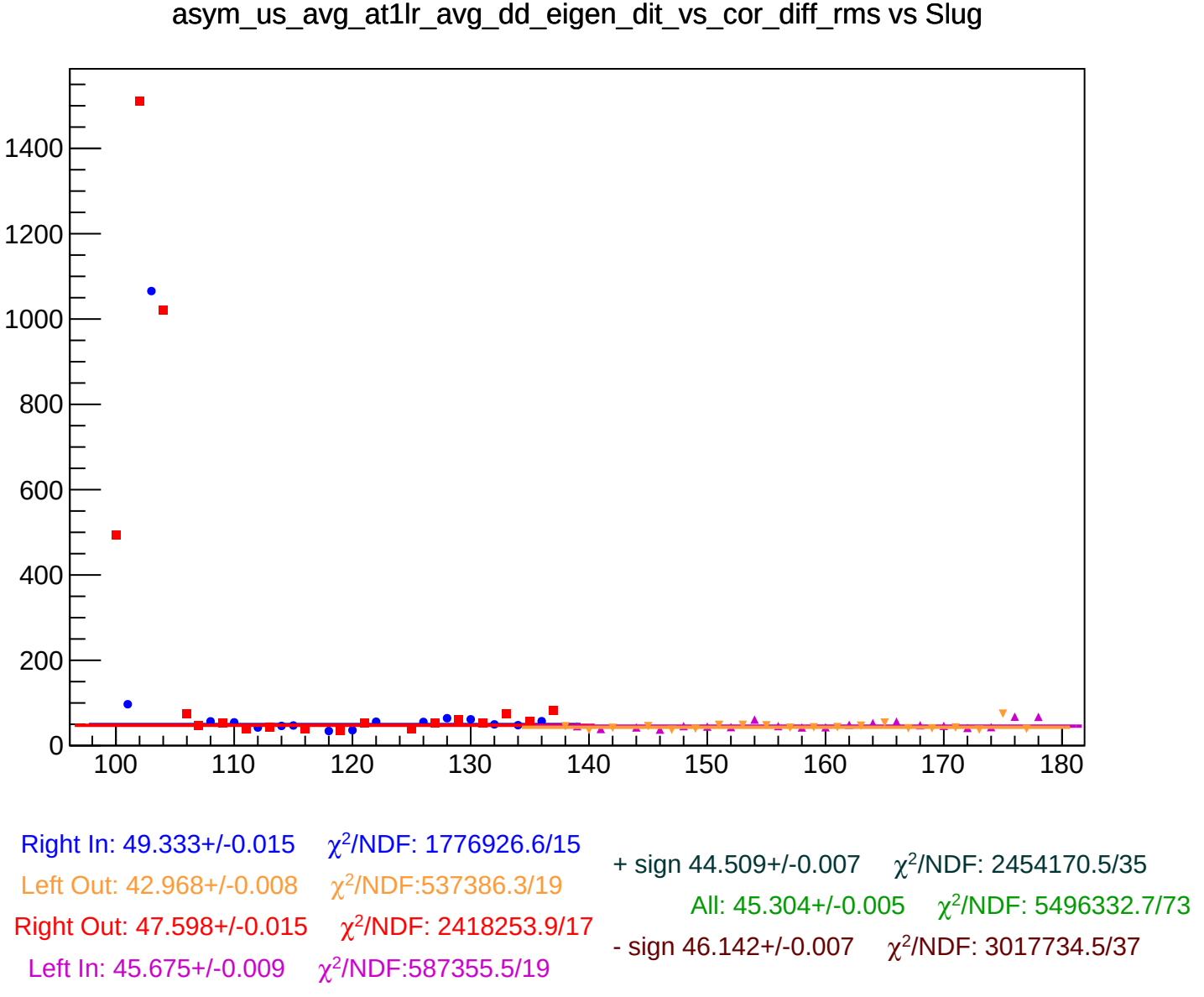
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.003+/-0.012 χ^2/NDF:14.4/19

+ sign 0.006+/-0.010 χ^2/NDF: 50.9/35

All: 0.001+/-0.007 χ^2/NDF: 76.2/73

- sign -0.003+/-0.011 χ^2/NDF: 24.9/37


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug
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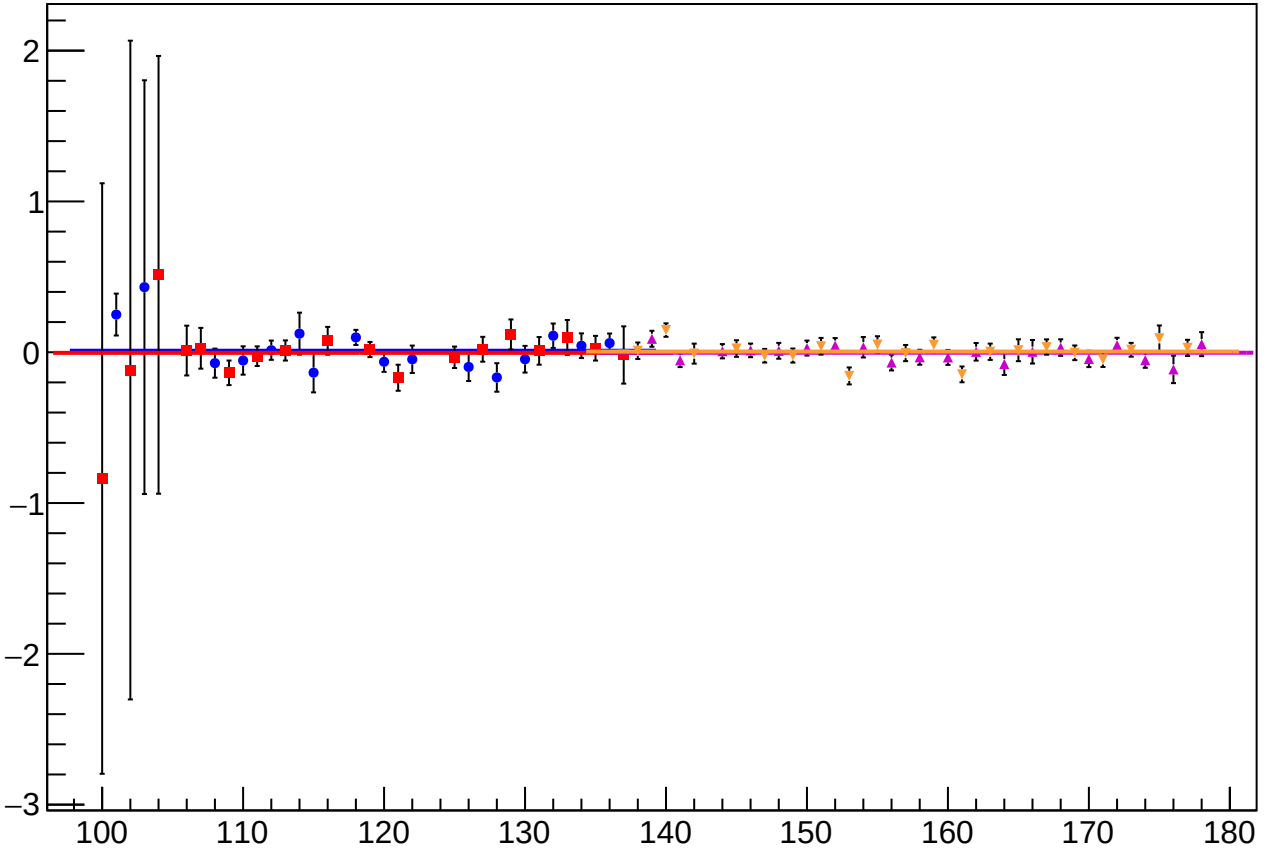
Right In: 49.333+/-0.015 χ²/NDF: 1776926.6/15
Left Out: 42.968+/-0.008 χ²/NDF:537386.3/19
Right Out: 47.598+/-0.015 χ²/NDF: 2418253.9/17
Left In: 45.675+/-0.009 χ²/NDF:587355.5/19
+ sign 44.509+/-0.007 χ²/NDF: 2454170.5/35
All: 45.304+/-0.005 χ²/NDF: 5496332.7/73
- sign 46.142+/-0.007 χ²/NDF: 3017734.5/37

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: 0.005+/-0.012 χ^2/NDF:32.5/19

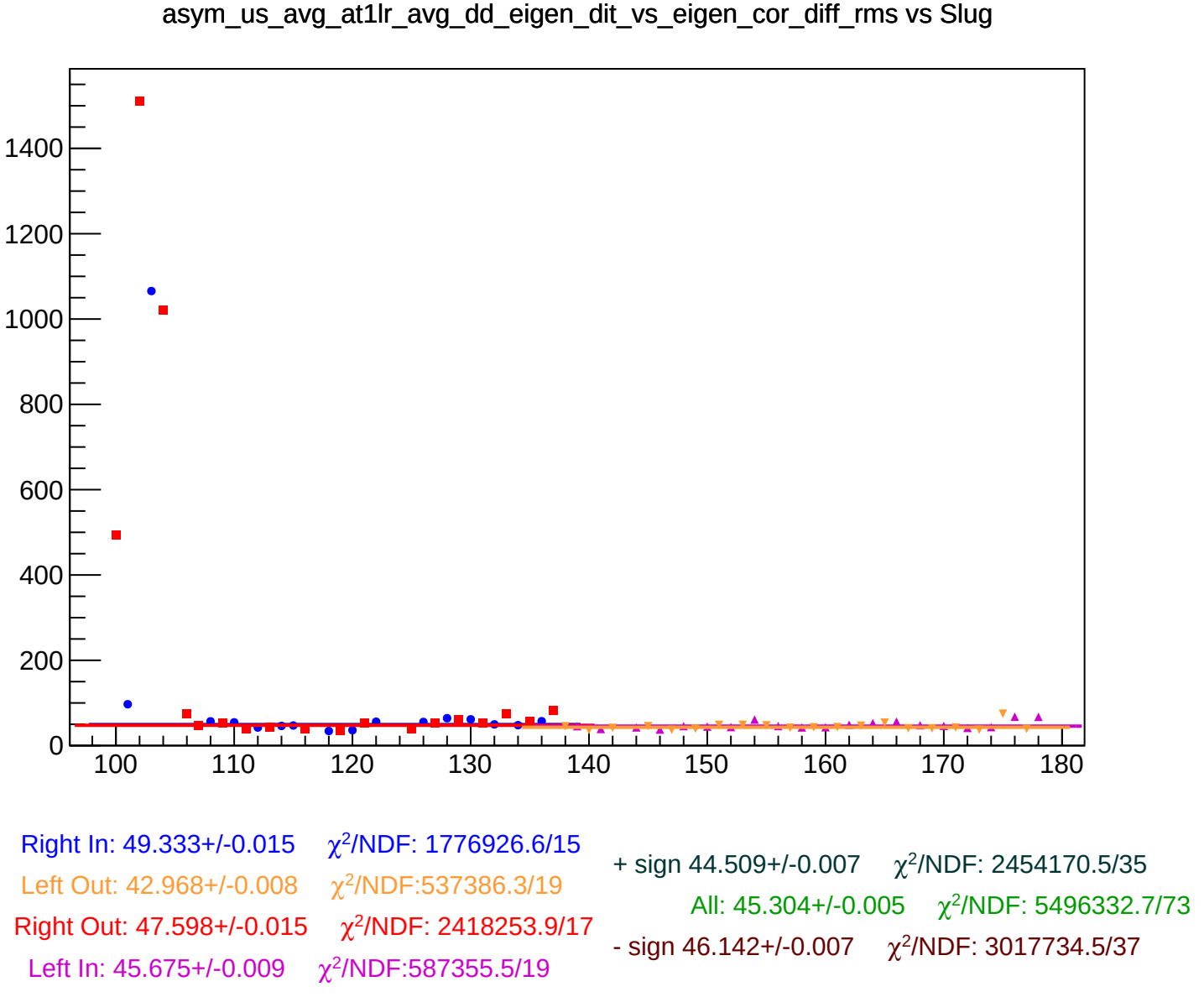
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.003+/-0.012 χ^2/NDF:14.4/19

+ sign 0.006+/-0.010 χ^2/NDF: 50.9/35

All: 0.001+/-0.007 χ^2/NDF: 76.2/73

- sign -0.003+/-0.011 χ^2/NDF: 24.9/37


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1400
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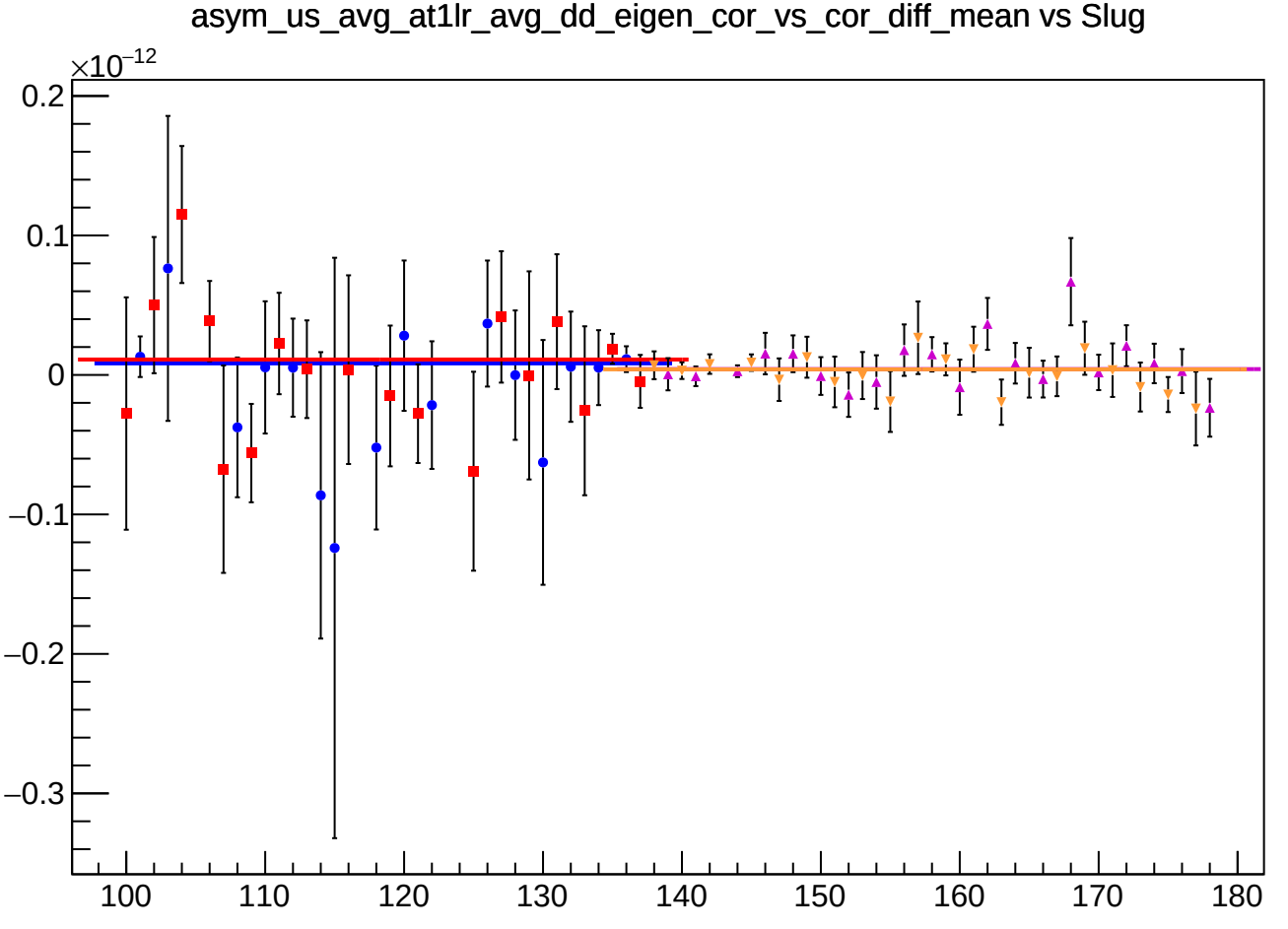
170
180
Right In: 49.333+/-0.015 χ²/NDF: 1776926.6/15
Left Out: 42.968+/-0.008 χ²/NDF:537386.3/19
Right Out: 47.598+/-0.015 χ²/NDF: 2418253.9/17
Left In: 45.675+/-0.009 χ²/NDF:587355.5/19
+ sign 44.509+/-0.007 χ²/NDF: 2454170.5/35
All: 45.304+/-0.005 χ²/NDF: 5496332.7/73
- sign 46.142+/-0.007 χ²/NDF: 3017734.5/37



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/19

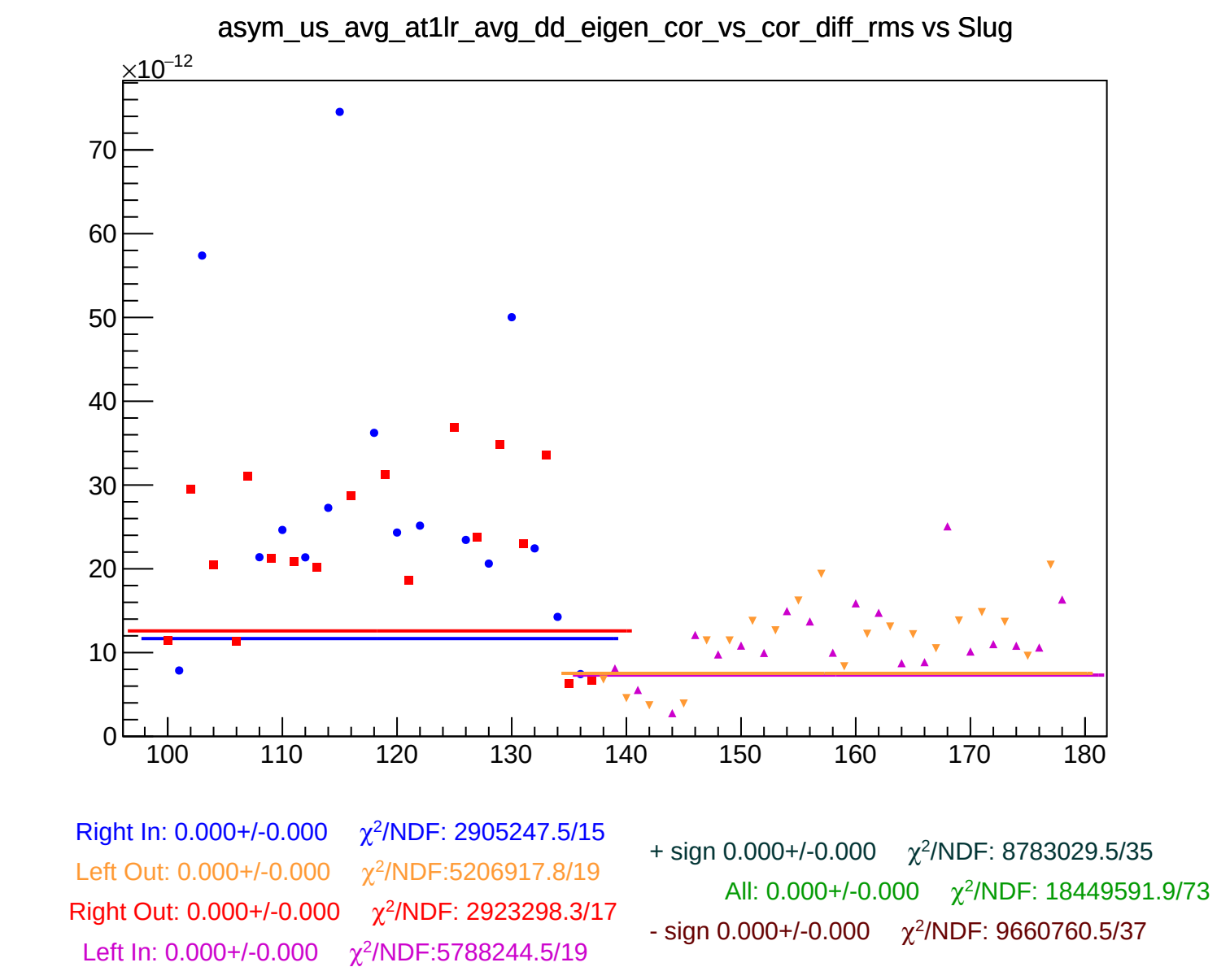
Right Out: 0.000+/-0.000 χ^2/NDF: 16.2/17

Left In: 0.000+/-0.000 χ^2/NDF:16.1/19

+ sign 0.000+/-0.000 χ^2/NDF: 17.4/35

All: 0.000+/-0.000 χ^2/NDF: 50.5/73

- sign 0.000+/-0.000 χ^2/NDF: 33.1/37


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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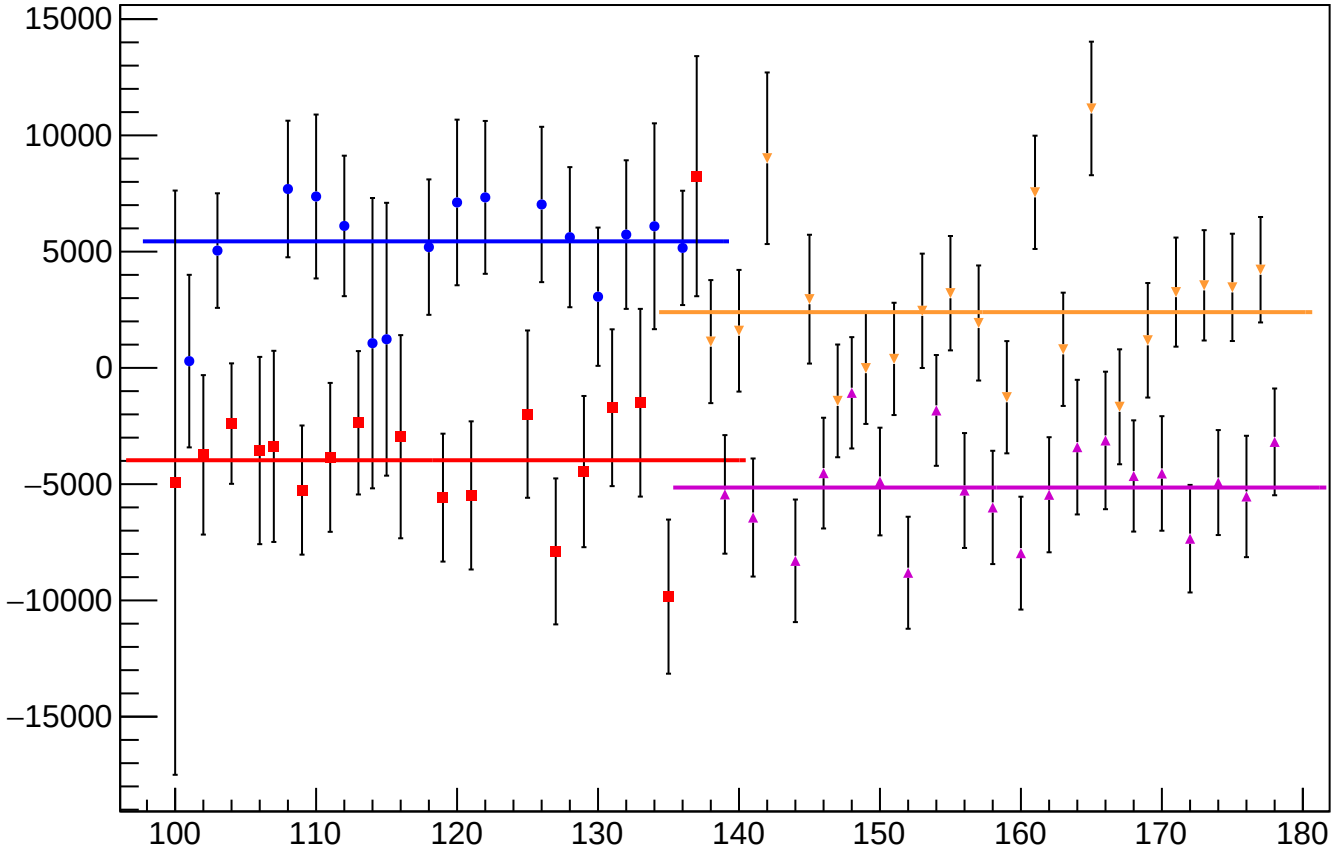
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2905247.5/15
Left Out: 0.000+/-0.000 χ²/NDF:5206917.8/19
Right Out: 0.000+/-0.000 χ²/NDF: 2923298.3/17
Left In: 0.000+/-0.000 χ²/NDF:5788244.5/19
+ sign 0.000+/-0.000 χ²/NDF: 8783029.5/35
All: 0.000+/-0.000 χ²/NDF: 18449591.9/73
- sign 0.000+/-0.000 χ²/NDF: 9660760.5/37

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2397.652+/-558.849 χ^2/NDF:28.6/19

Right Out: -3971.728+/-809.023 χ^2/NDF: 13.0/17

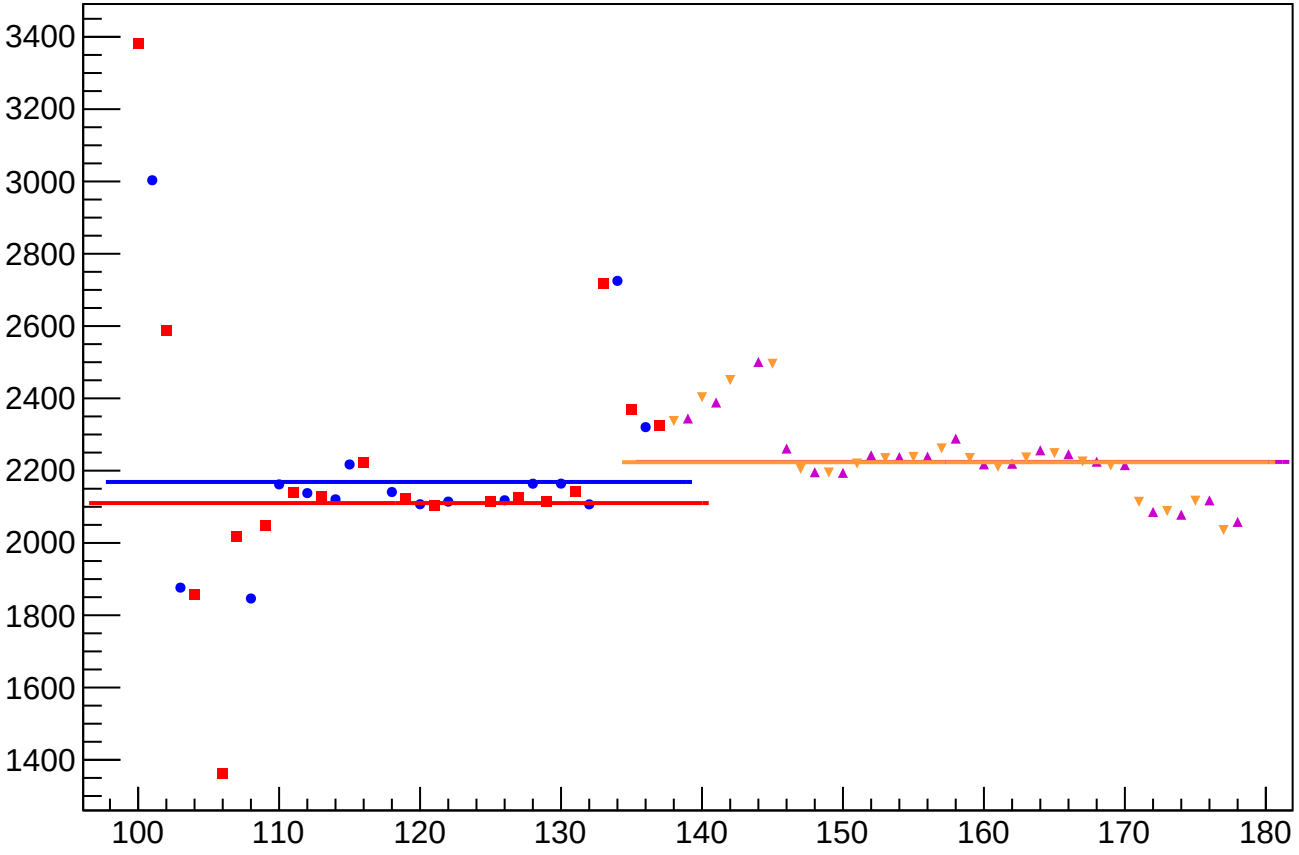
Left In: -5145.644+/-550.735 χ^2/NDF:13.0/19

+ sign 3375.409+/-460.453 χ^2/NDF: 43.5/35

All: -745.465+/-323.738 χ^2/NDF: 229.3/73

- sign -4773.908+/-455.260 χ^2/NDF: 27.4/37

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2223.333+/-0.395 χ^2/NDF:70203.5/19

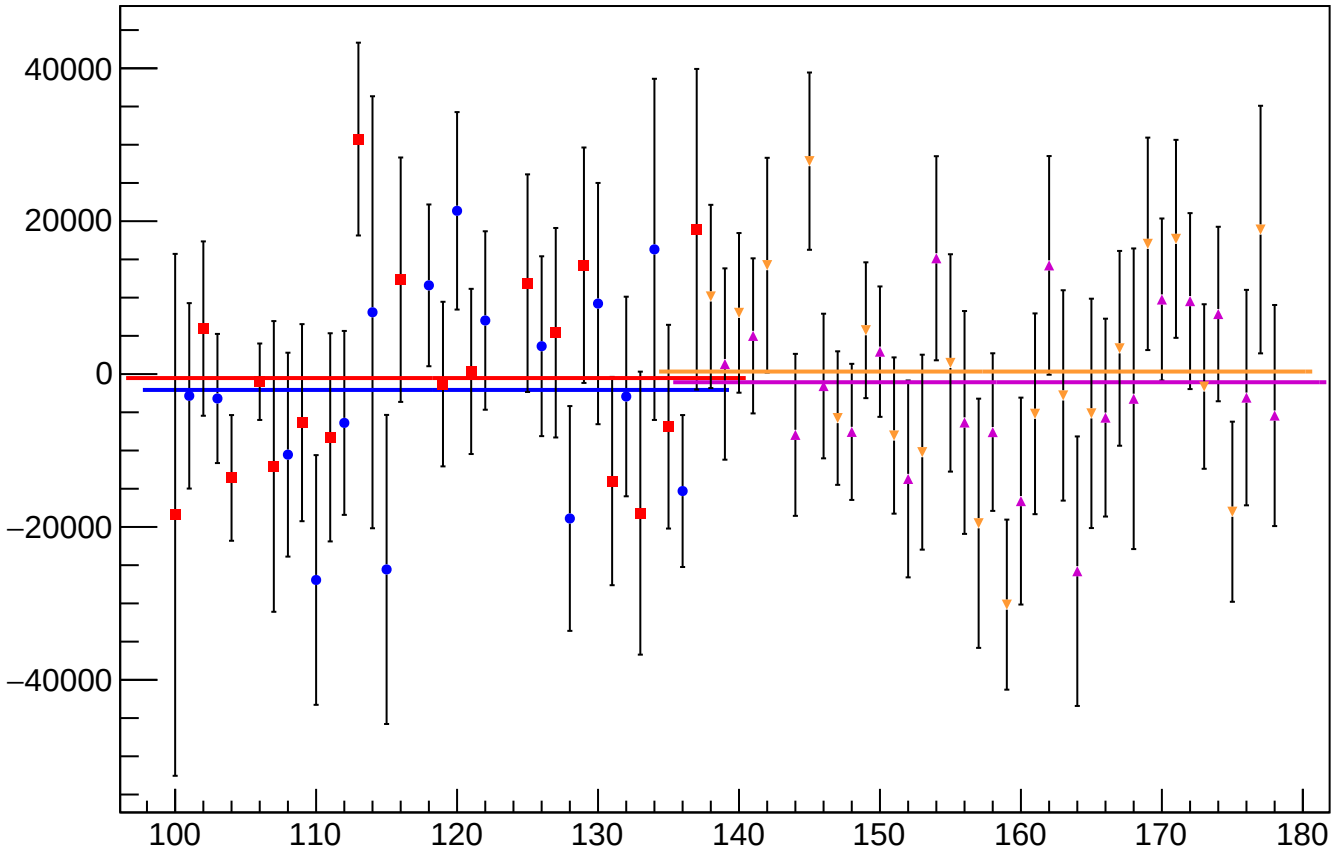
Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2224.132+/-0.389 χ^2/NDF:67288.4/19

+ sign 2205.794+/-0.326 χ^2/NDF: 271997.8/35

All: 2196.401+/-0.228 χ^2/NDF: 635957.5/73

- sign 2187.314+/-0.320 χ^2/NDF: 362322.5/37



Right In: -2074.843+/-3212.093 χ^2/NDF: 14.4/15

Left Out: 329.710+/-2678.261 χ^2/NDF:26.5/19

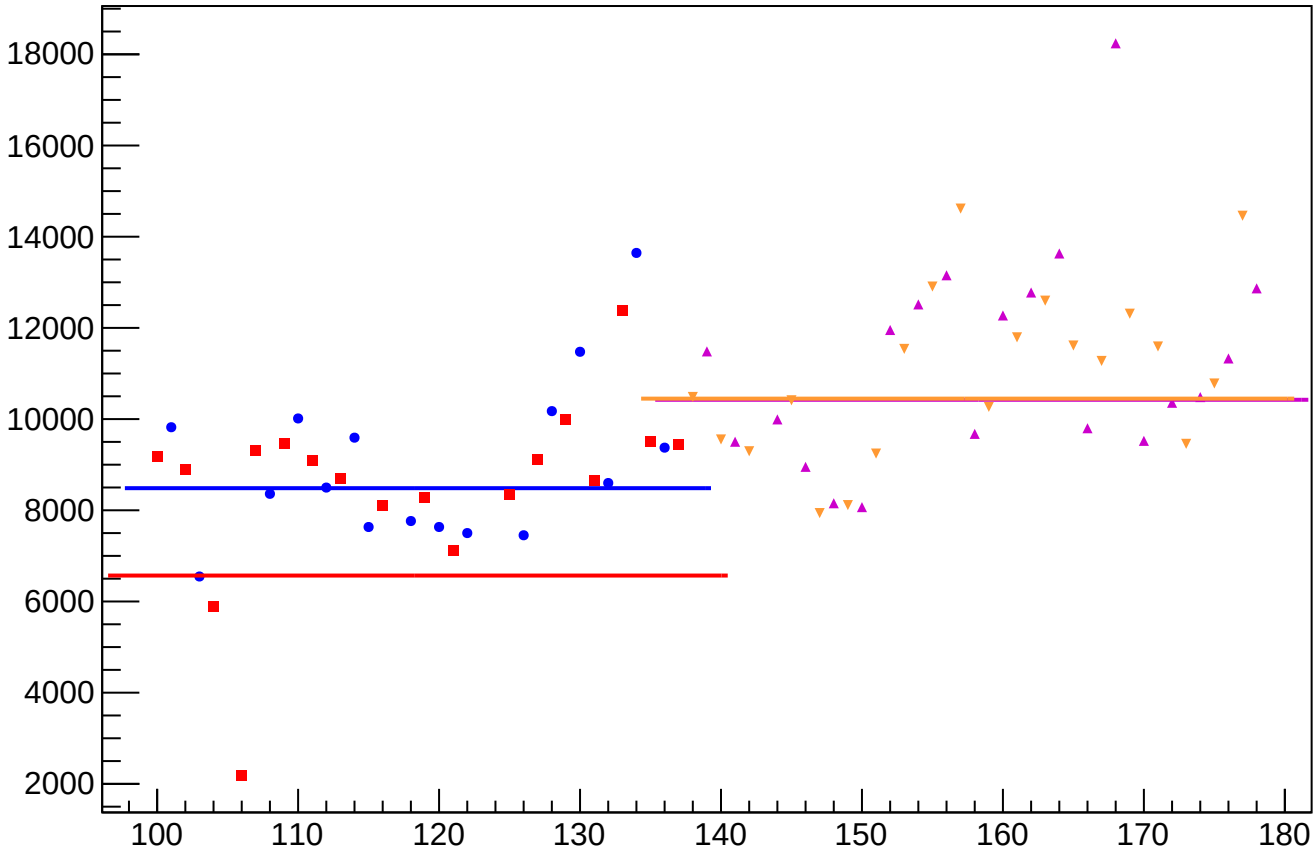
Right Out: -521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: -1066.544+/-2631.758 χ^2/NDF:11.7/19

+ sign -656.422+/-2057.019 χ^2/NDF: 41.2/35

All: -735.659+/-1391.688 χ^2/NDF: 68.7/73

- sign -802.542+/-1889.875 χ^2/NDF: 27.4/37



Right In: 8485.000+/-2.271 χ^2/NDF: 422706.1/15

Left Out: 10448.778+/-1.894 χ^2/NDF:848048.6/19

Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

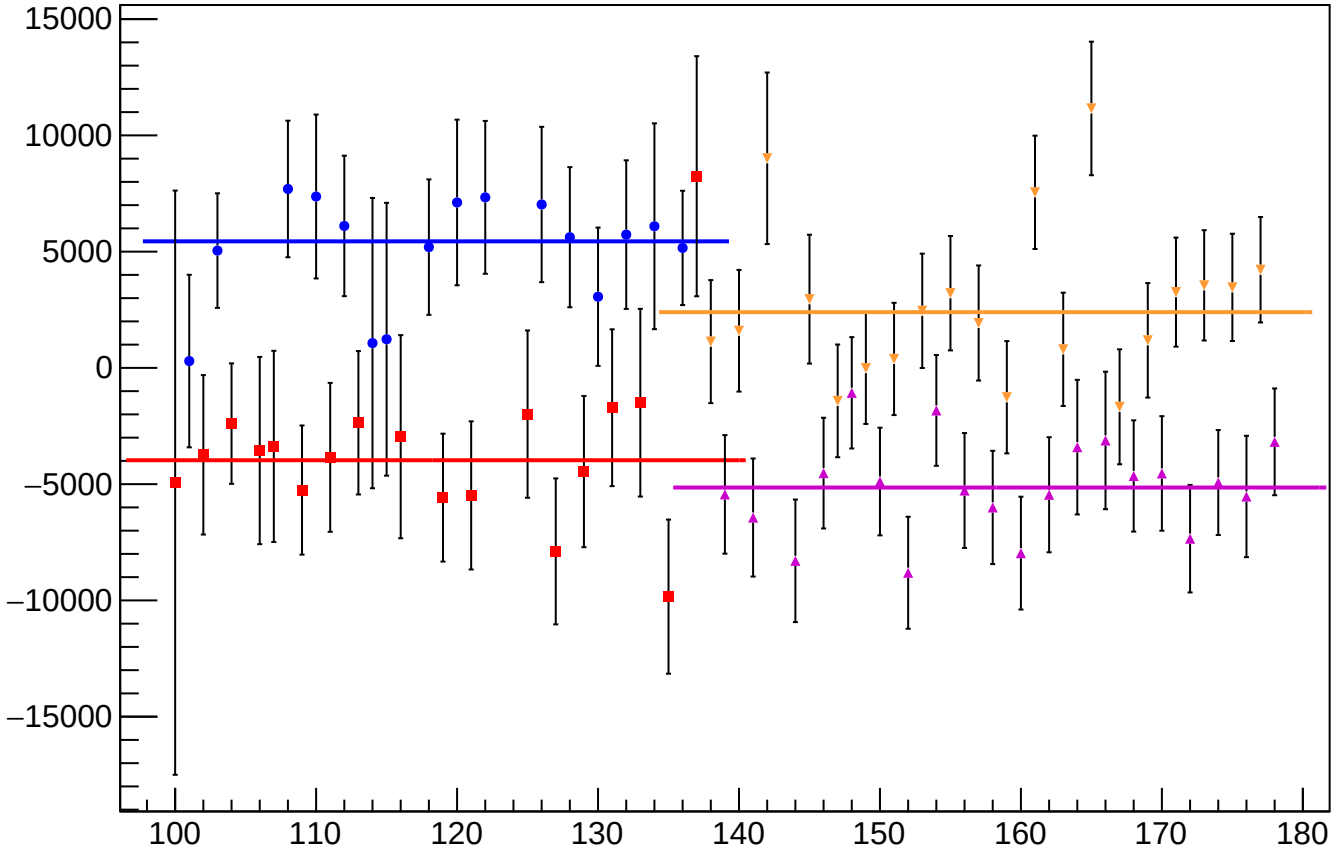
Left In: 10423.483+/-1.861 χ^2/NDF:1081272.8/19

+ sign 9643.413+/-1.455 χ^2/NDF: 1711725.4/35

All: 9054.017+/-0.984 χ^2/NDF: 7742819.6/73

- sign 8556.512+/-1.336 χ^2/NDF: 5728298.1/37

cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2397.560+/-558.849 χ^2/NDF:28.6/19

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

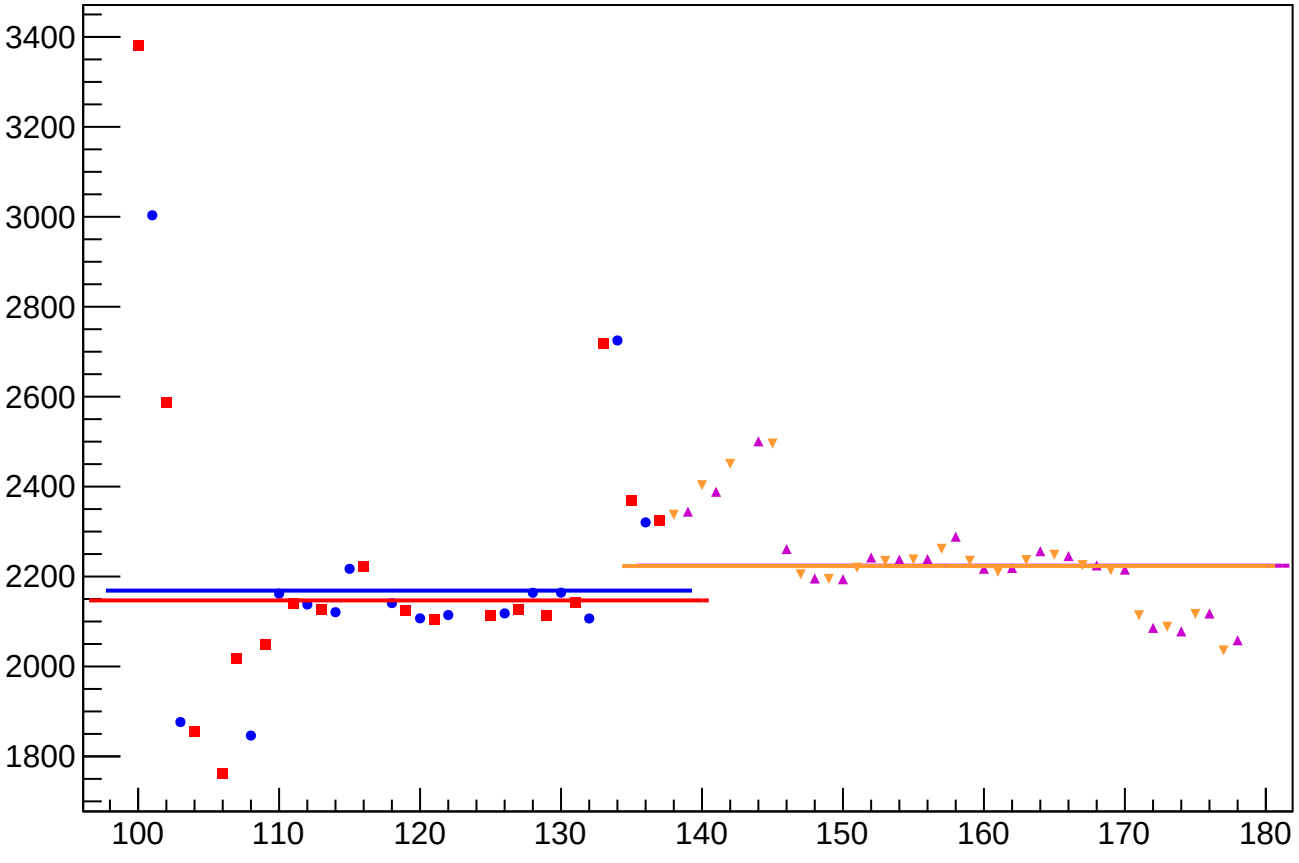
Left In: -5145.566+/-550.735 χ^2/NDF:13.0/19

+ sign 3375.393+/-460.453 χ^2/NDF: 43.5/35

All: -745.404+/-323.738 χ^2/NDF: 229.3/73

- sign -4773.773+/-455.260 χ^2/NDF: 27.4/37

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2223.333+/-0.395 χ^2/NDF:70203.5/19

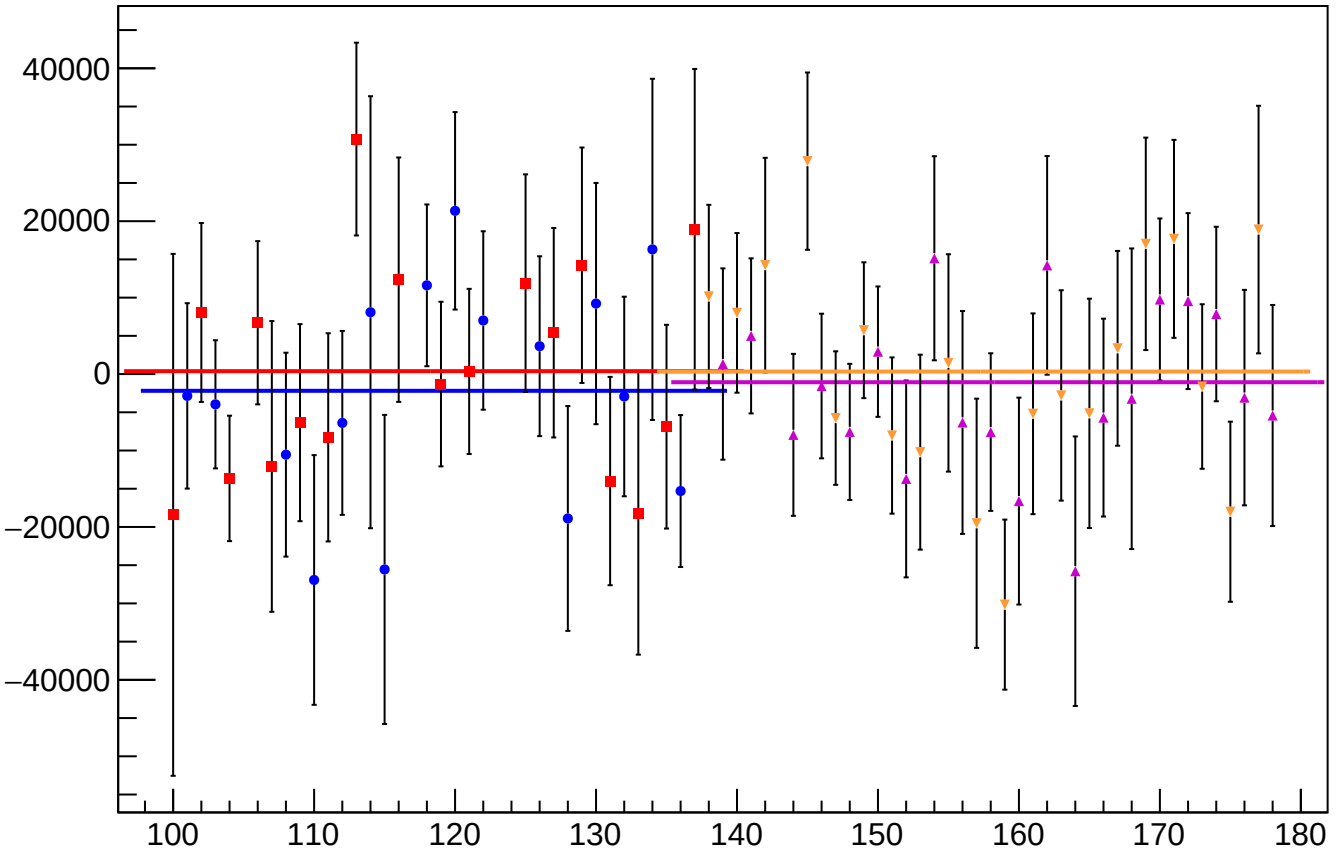
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2224.132+/-0.389 χ^2/NDF:67288.4/19

+ sign 2205.793+/-0.326 χ^2/NDF: 271998.2/35

All: 2202.609+/-0.229 χ^2/NDF: 509770.0/73

- sign 2199.505+/-0.321 χ^2/NDF: 237582.9/37



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: 329.712+/-2678.260 χ^2/NDF:26.5/19

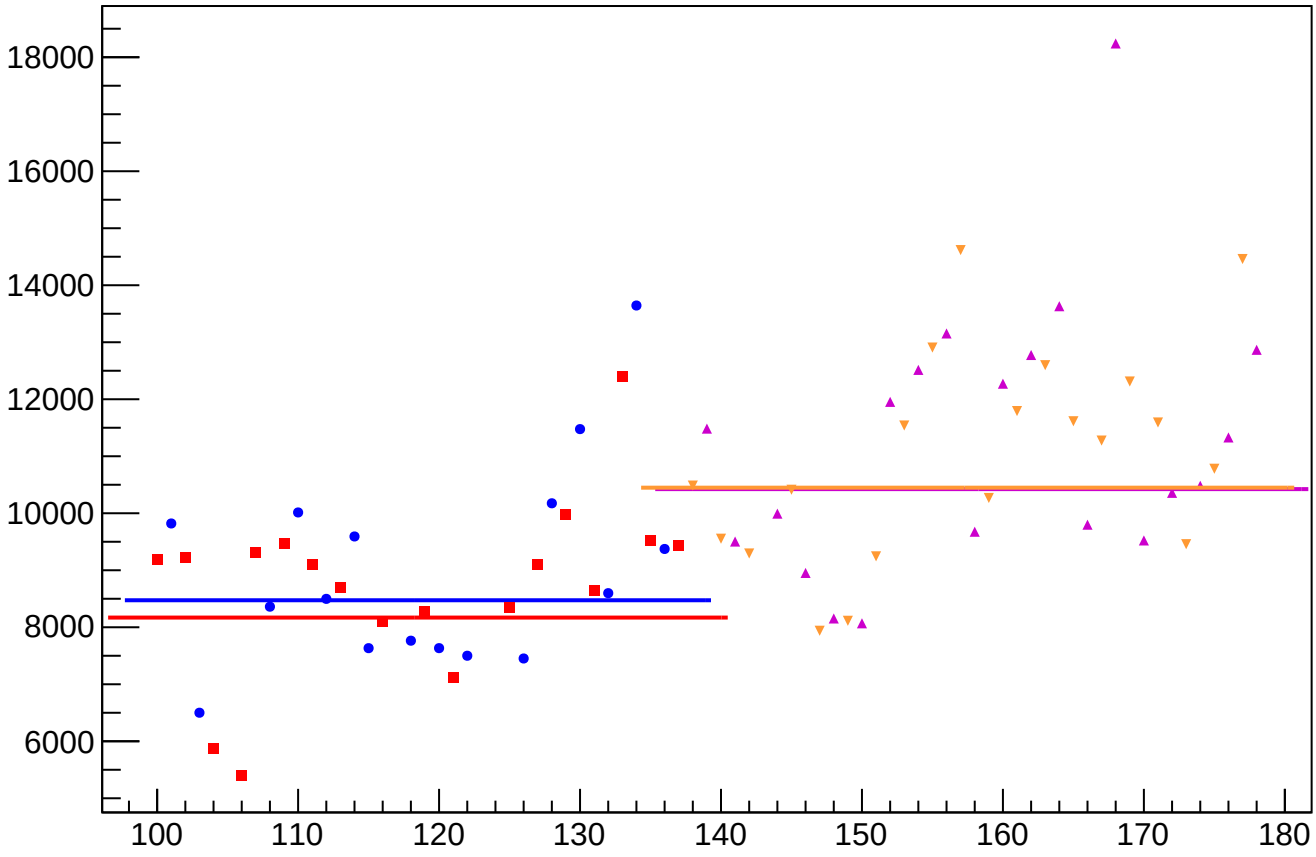
Right Out: 379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: -1066.650+/-2631.757 χ^2/NDF:11.7/19

+ sign -704.697+/-2056.080 χ^2/NDF: 41.3/35

All: -579.877+/-1435.931 χ^2/NDF: 69.5/73

- sign -461.032+/-2006.262 χ^2/NDF: 28.1/37



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10448.772+/-1.894 χ^2/NDF:848051.8/19

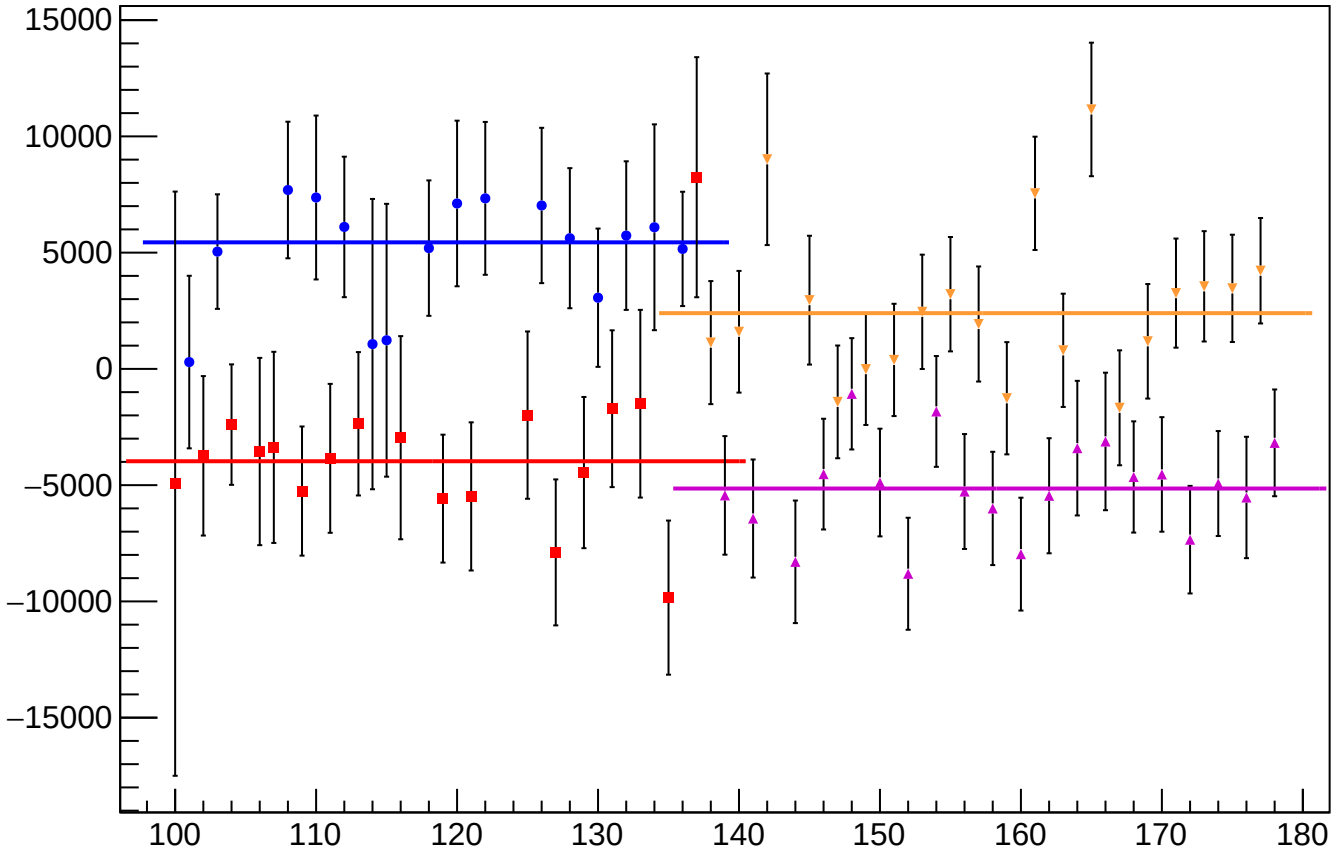
Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10423.478+/-1.861 χ^2/NDF:1081277.8/19

+ sign 9637.731+/-1.454 χ^2/NDF: 1724222.4/35

All: 9556.729+/-1.015 χ^2/NDF: 3965670.7/73

- sign 9479.606+/-1.419 χ^2/NDF: 2235388.7/37



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2397.560+/-558.849 χ^2/NDF:28.6/19

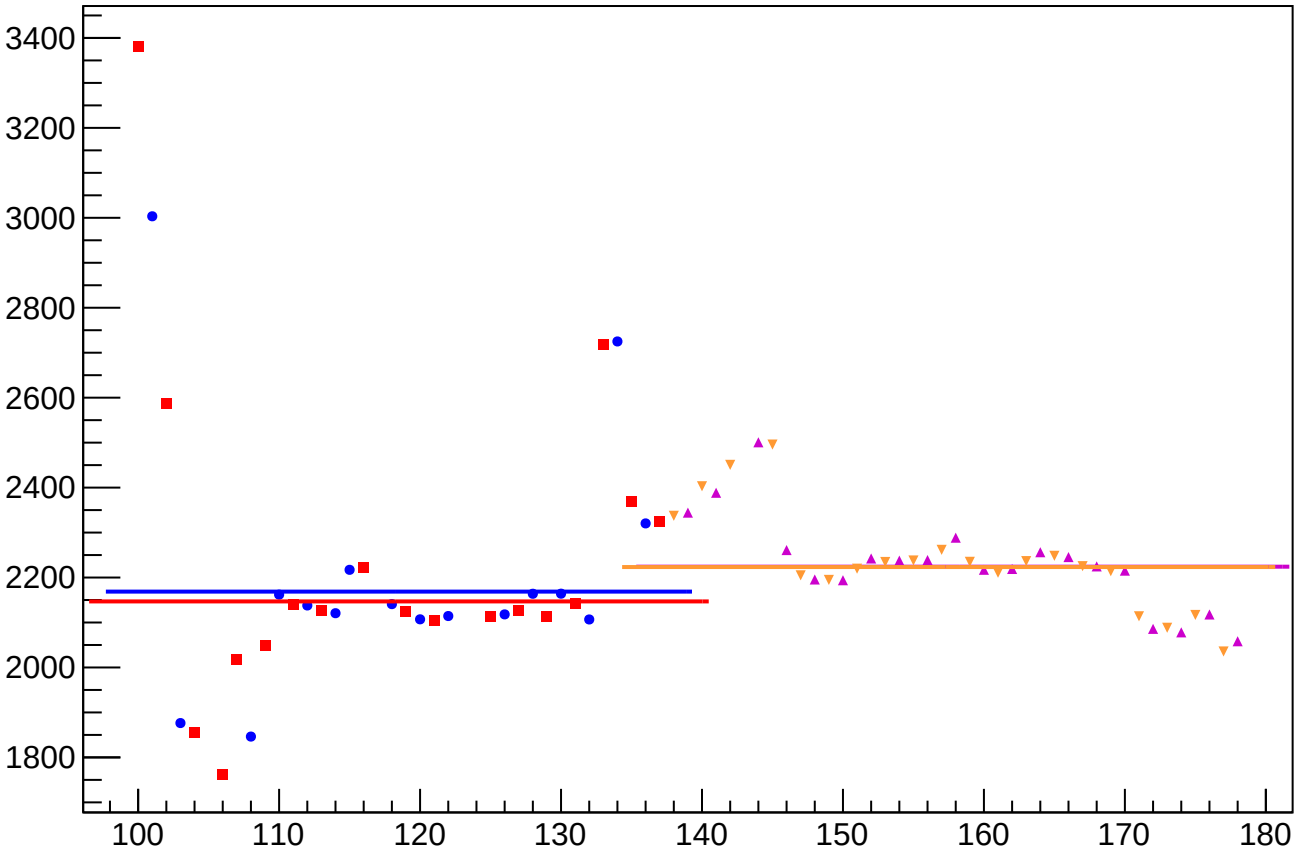
Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: -5145.566+/-550.735 χ^2/NDF:13.0/19

+ sign 3375.393+/-460.453 χ^2/NDF: 43.5/35

All: -745.404+/-323.738 χ^2/NDF: 229.3/73

- sign -4773.773+/-455.260 χ^2/NDF: 27.4/37



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2223.333+/-0.395 χ^2/NDF:70203.5/19

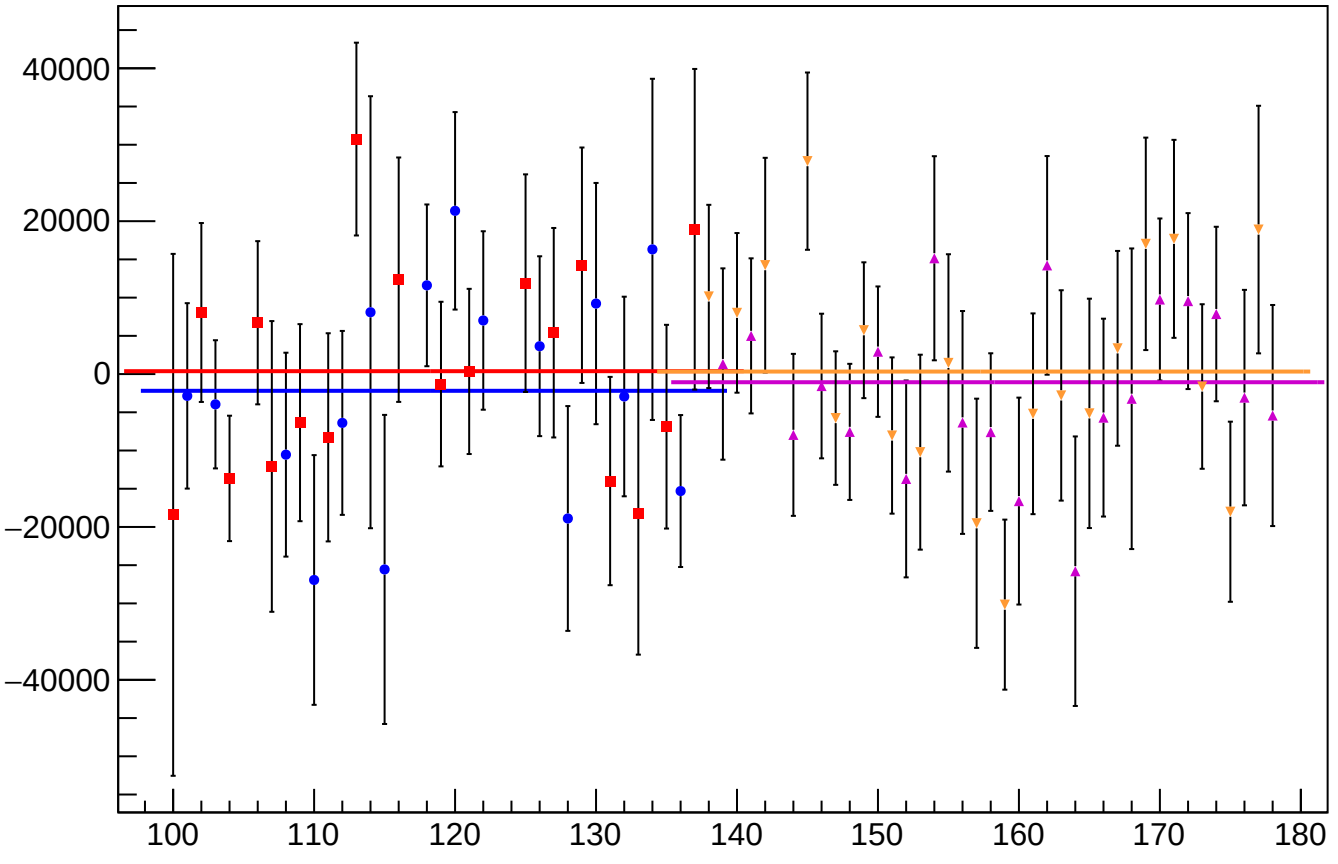
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2224.132+/-0.389 χ^2/NDF:67288.4/19

+ sign 2205.793+/-0.326 χ^2/NDF: 271998.2/35

All: 2202.609+/-0.229 χ^2/NDF: 509770.0/73

- sign 2199.505+/-0.321 χ^2/NDF: 237582.9/37



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: 329.712+/-2678.260 χ^2/NDF:26.5/19

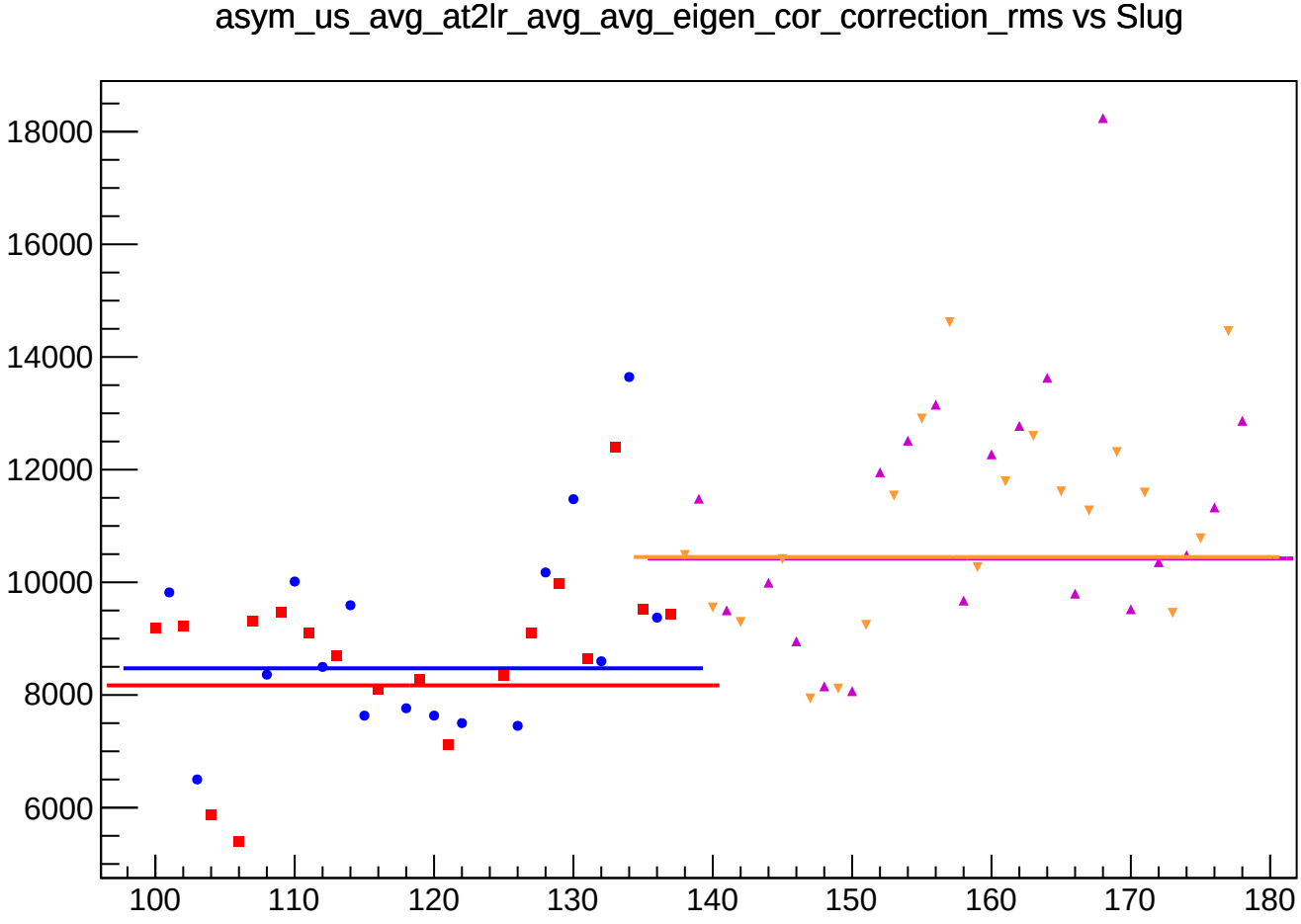
Right Out: 379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: -1066.650+/-2631.757 χ^2/NDF:11.7/19

+ sign -704.697+/-2056.080 χ^2/NDF: 41.3/35

All: -579.877+/-1435.931 χ^2/NDF: 69.5/73

- sign -461.032+/-2006.262 χ^2/NDF: 28.1/37



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10448.772+/-1.894 χ^2/NDF:848051.8/19

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

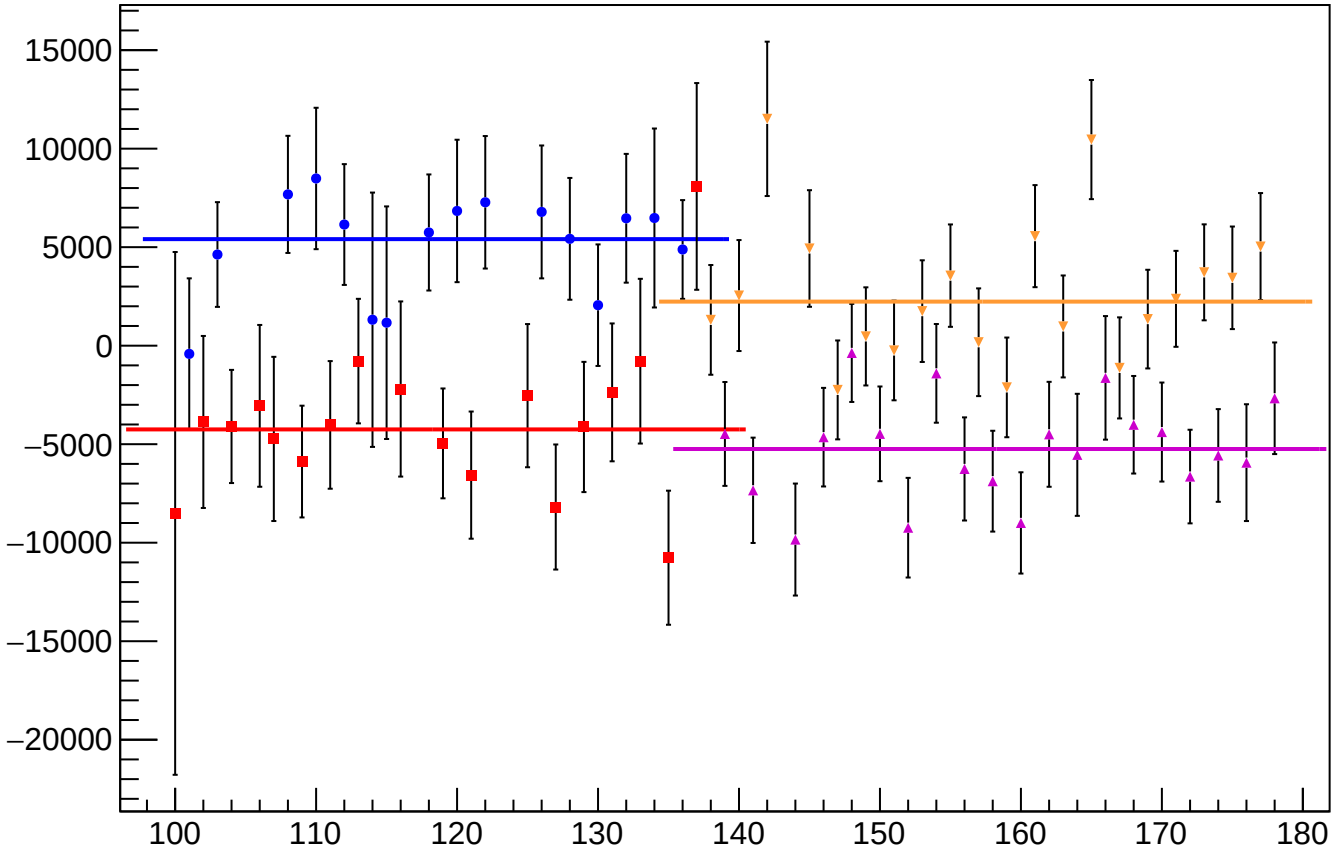
Left In: 10423.478+/-1.861 χ^2/NDF:1081277.8/19

+ sign 9637.731+/-1.454 χ^2/NDF: 1724222.4/35

All: 9556.729+/-1.015 χ^2/NDF: 3965670.7/73

- sign 9479.606+/-1.419 χ^2/NDF: 2235388.7/37

dit_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 2236.571+/-593.532 χ^2/NDF:27.8/19

Right Out: -4249.899+/-839.336 χ^2/NDF: 14.5/17

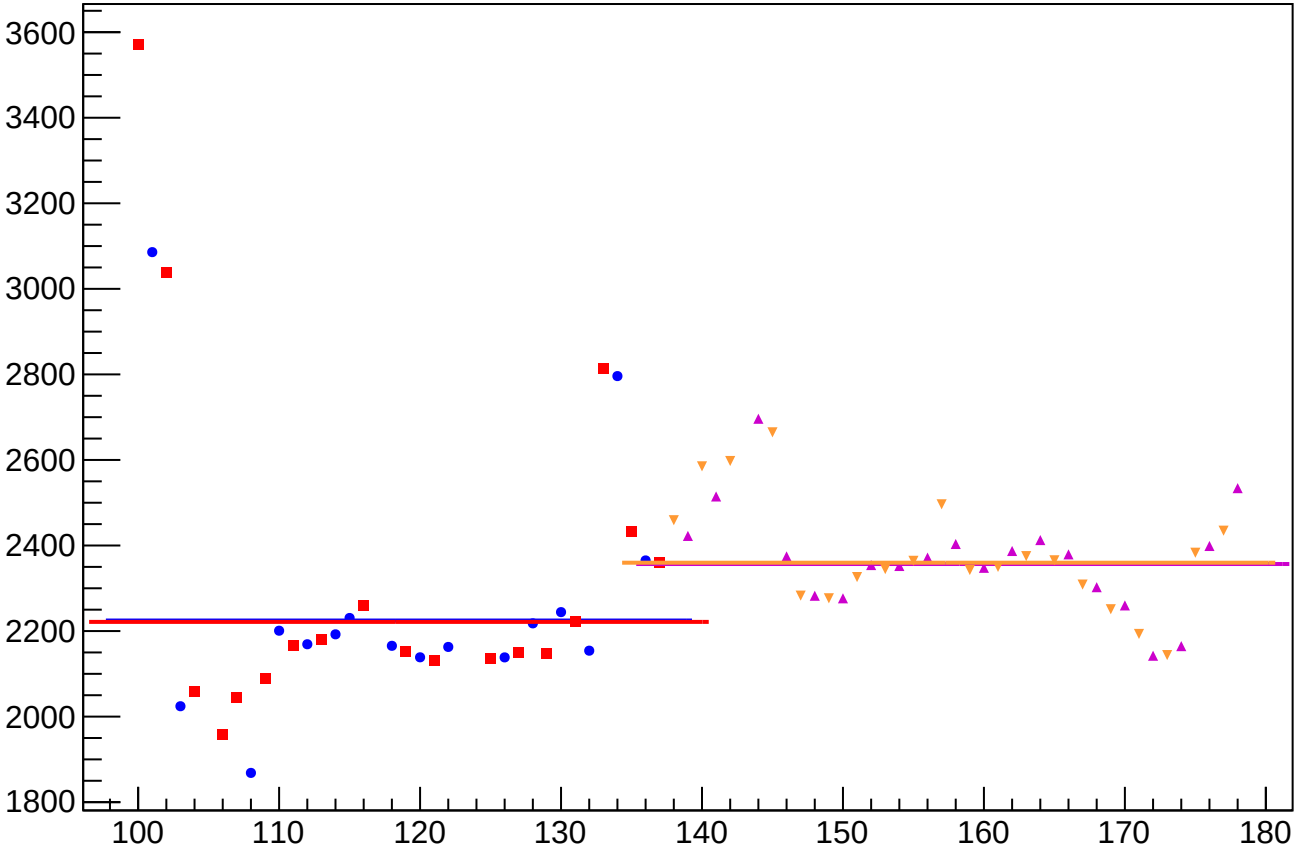
Left In: -5244.275+/-583.949 χ^2/NDF:17.9/19

+ sign 3303.283+/-483.514 χ^2/NDF: 44.1/35

All: -843.896+/-340.414 χ^2/NDF: 223.3/73

- sign -4919.947+/-479.350 χ^2/NDF: 33.3/37

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2359.811+/-0.420 χ^2/NDF:84959.7/19

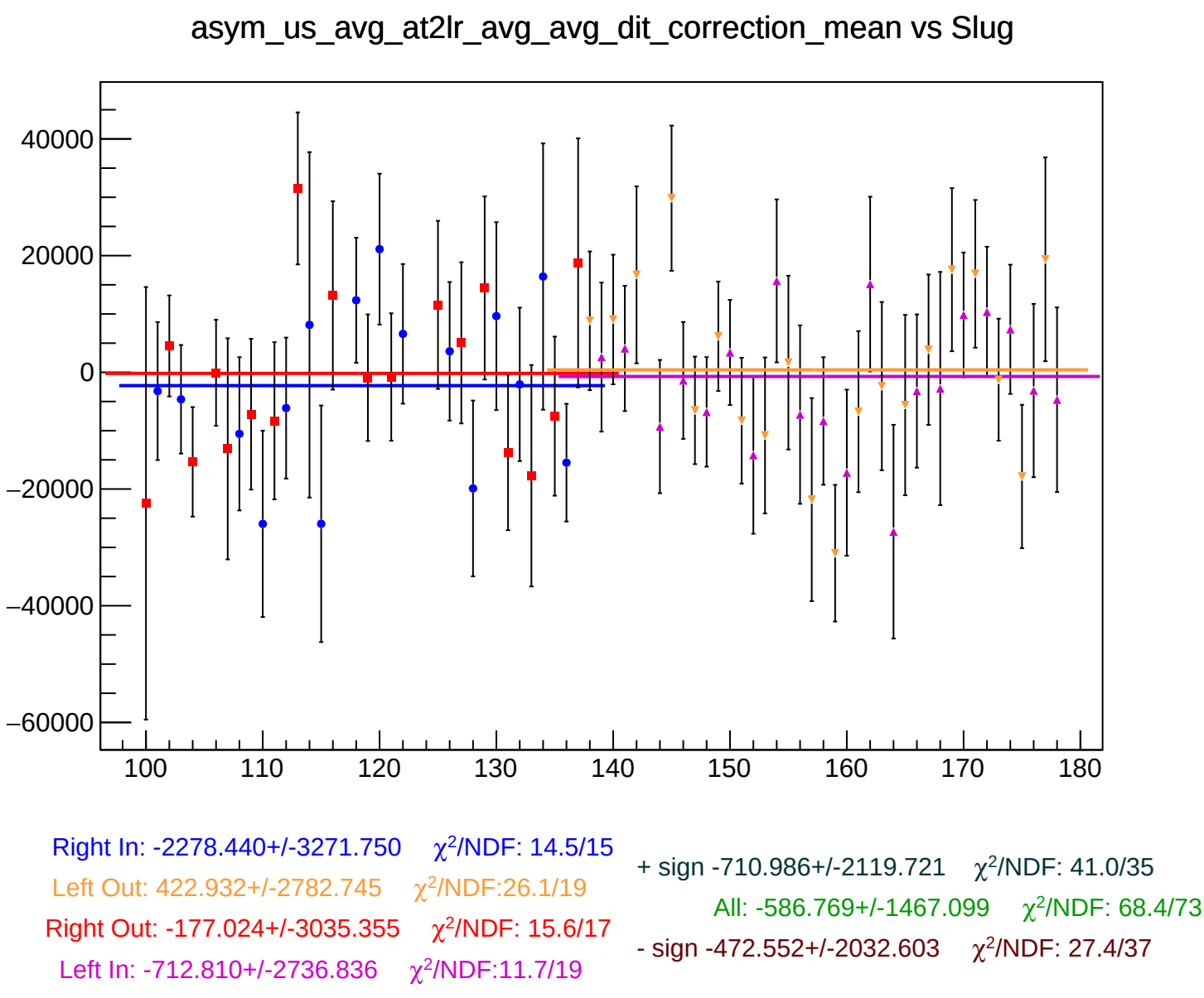
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

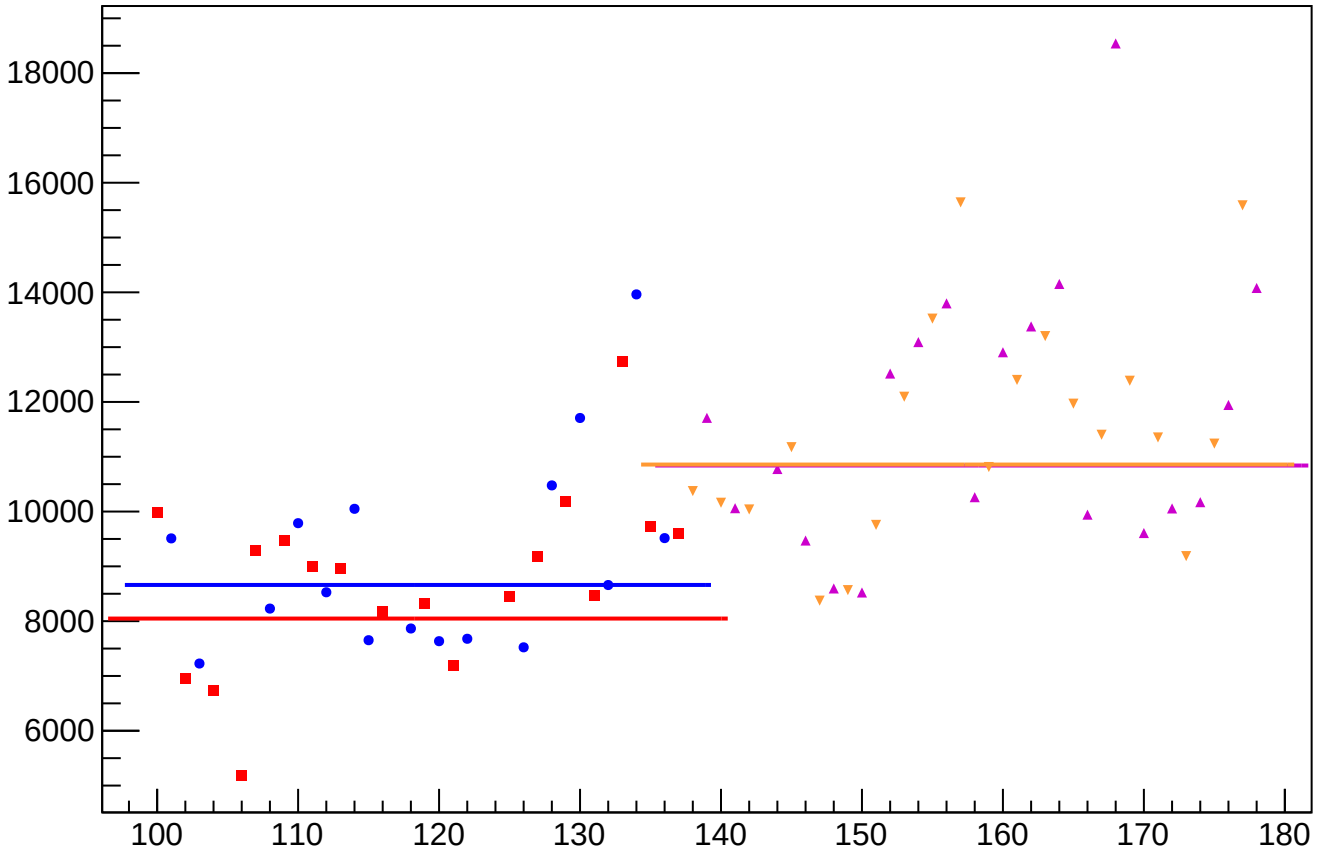
Left In: 2356.735+/-0.413 χ^2/NDF:84445.4/19

+ sign 2314.336+/-0.342 χ^2/NDF: 304544.6/35

All: 2313.443+/-0.241 χ^2/NDF: 594001.2/73

- sign 2312.565+/-0.339 χ^2/NDF: 289443.2/37


asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug
40000
20000
0
−20000
−40000
−60000
100
110
120
130
140
150
160
170
180
Right In: -2278.440+/-3271.750 χ²/NDF: 14.5/15
Left Out: 422.932+/-2782.745 χ²/NDF:26.1/19
Right Out: -177.024+/-3035.355 χ²/NDF: 15.6/17
Left In: -712.810+/-2736.836 χ²/NDF:11.7/19
+ sign -710.986+/-2119.721 χ²/NDF: 41.0/35
All: -586.769+/-1467.099 χ²/NDF: 68.4/73
- sign -472.552+/-2032.603 χ²/NDF: 27.4/37



Right In: 8660.733+/-2.313 χ^2/NDF: 357961.9/15

Left Out: 10857.631+/-1.968 χ^2/NDF:854667.1/19

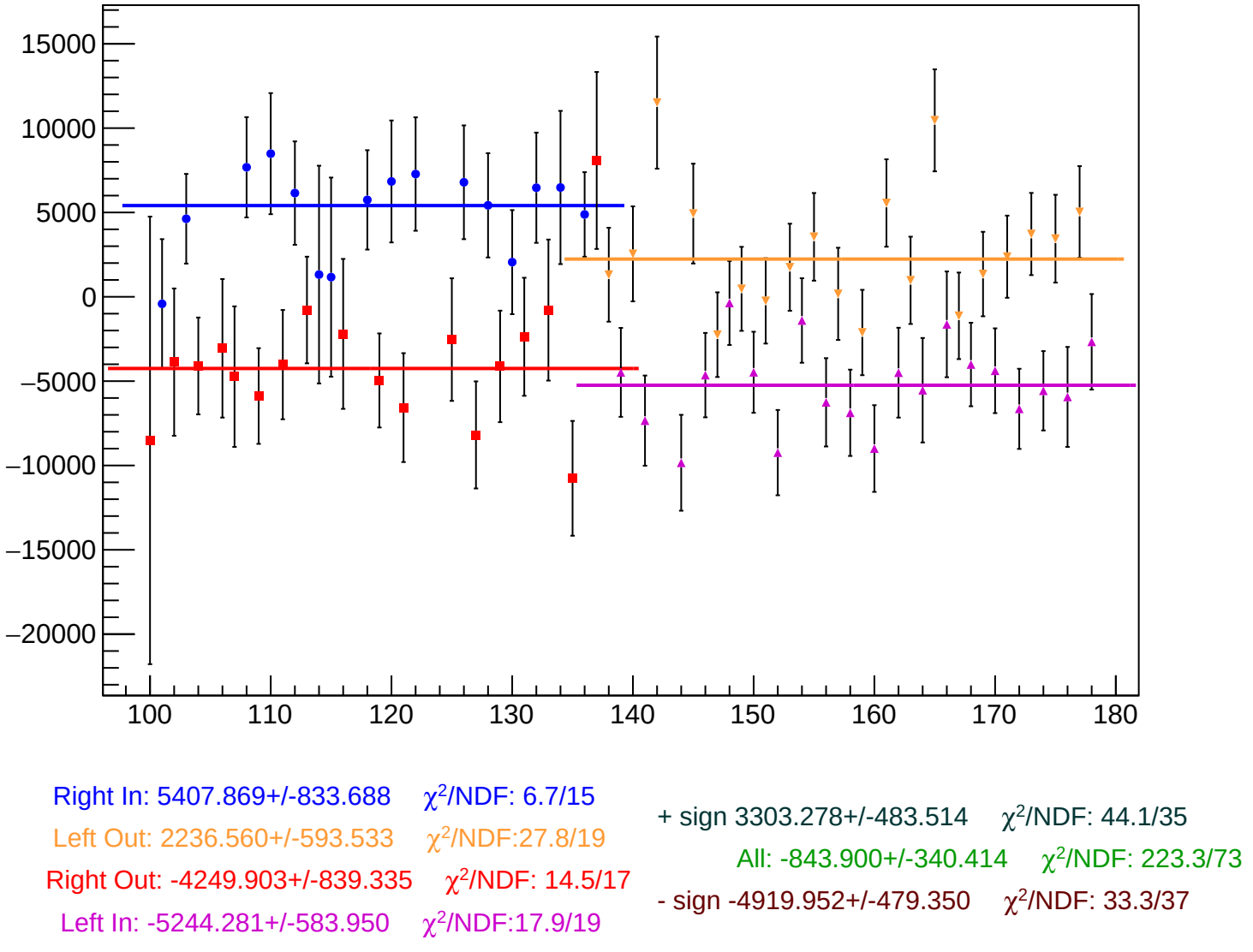
Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10839.817+/-1.935 χ^2/NDF:1077203.7/19

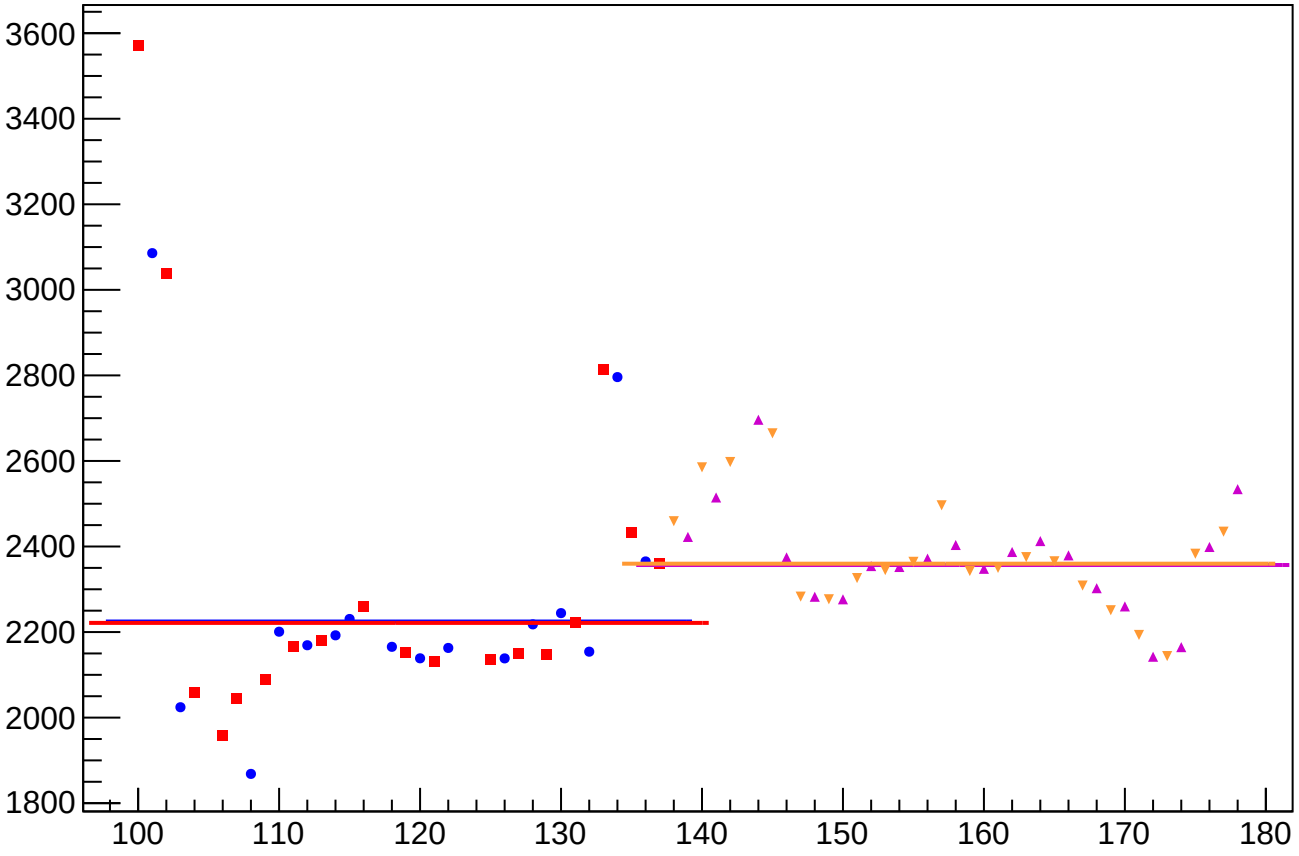
+ sign 9935.469+/-1.499 χ^2/NDF: 1735868.2/35

All: 9754.273+/-1.037 χ^2/NDF: 4333282.2/73

- sign 9587.665+/-1.437 χ^2/NDF: 2569362.6/37


eigen_dit_asym_us_avg_at2lr_avg_avg_mean vs Slug
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
Right In: 5407.869+/-833.688 χ²/NDF: 6.7/15
Left Out: 2236.560+/-593.533 χ²/NDF:27.8/19
Right Out: -4249.903+/-839.335 χ²/NDF: 14.5/17
Left In: -5244.281+/-583.950 χ²/NDF:17.9/19
+ sign 3303.278+/-483.514 χ²/NDF: 44.1/35
All: -843.900+/-340.414 χ²/NDF: 223.3/73
- sign -4919.952+/-479.350 χ²/NDF: 33.3/37

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: 2359.814+/-0.420 χ^2/NDF:84963.2/19

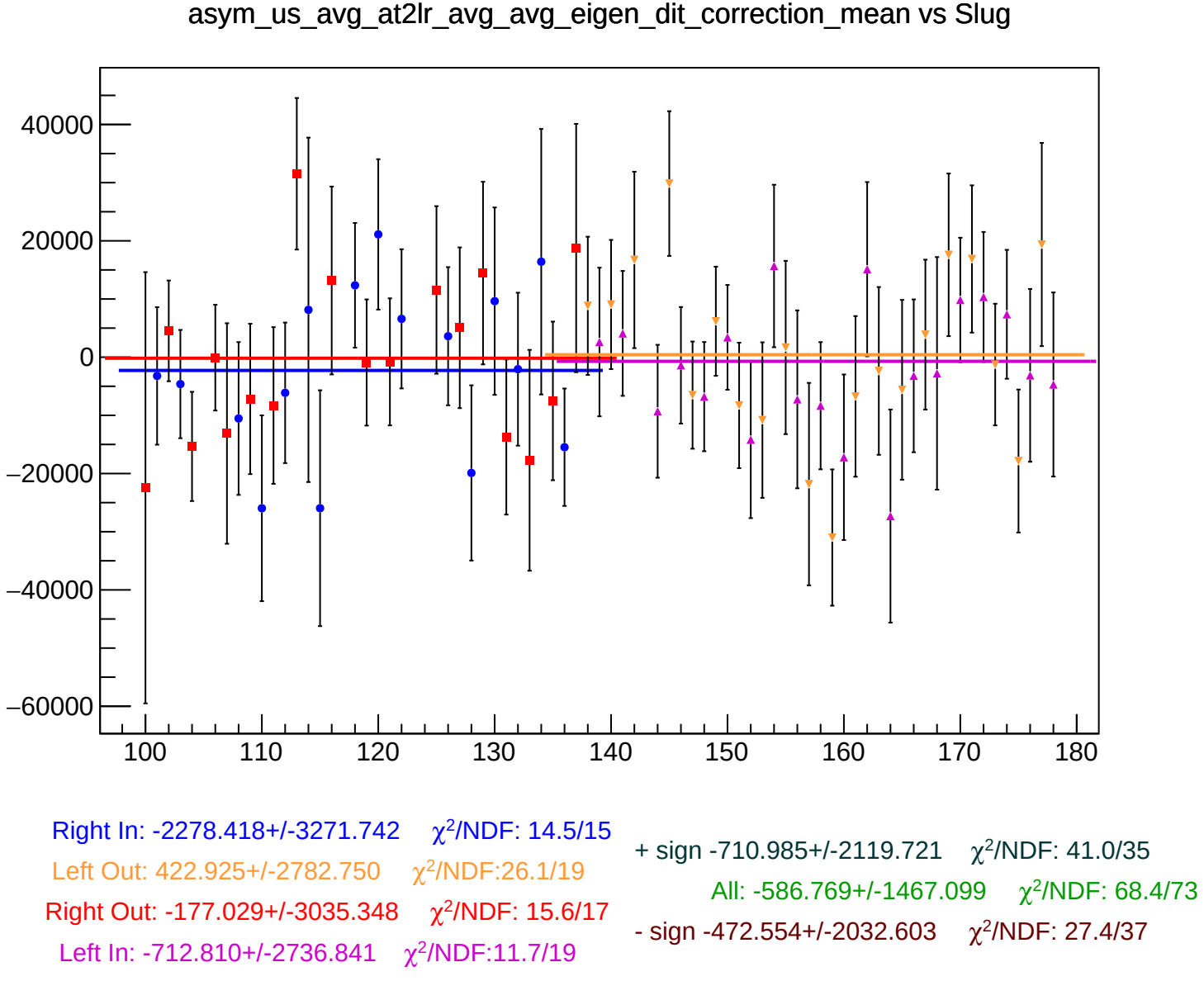
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

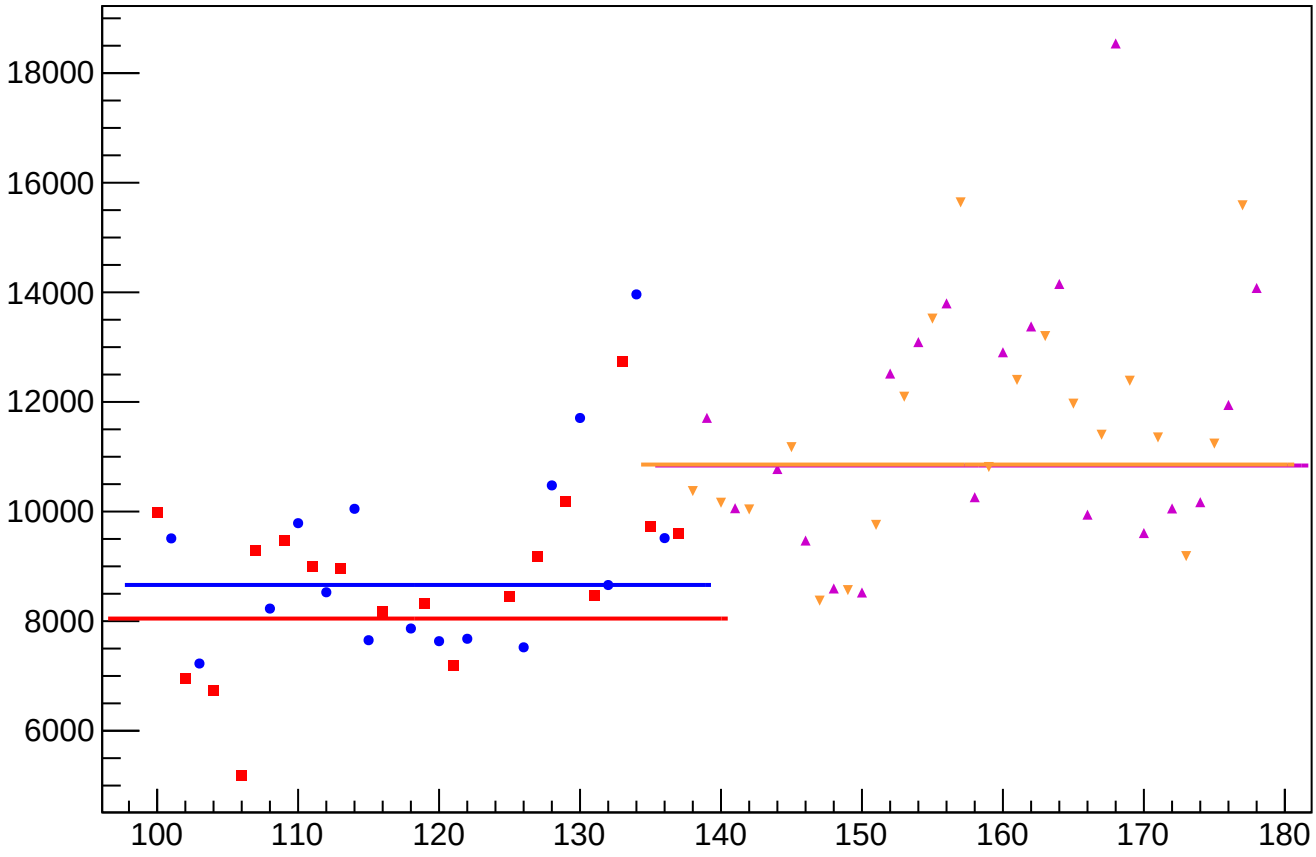
Left In: 2356.738+/-0.413 χ^2/NDF:84449.4/19

+ sign 2314.337+/-0.342 χ^2/NDF: 304550.1/35

All: 2313.444+/-0.241 χ^2/NDF: 594012.7/73

- sign 2312.567+/-0.339 χ^2/NDF: 289449.0/37


asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs Slug
40000
20000
0
−20000
−40000
−60000
100
110
120
130
140
150
160
170
180
Right In: -2278.418+/-3271.742 χ²/NDF: 14.5/15
Left Out: 422.925+/-2782.750 χ²/NDF:26.1/19
Right Out: -177.029+/-3035.348 χ²/NDF: 15.6/17
Left In: -712.810+/-2736.841 χ²/NDF:11.7/19
+ sign -710.985+/-2119.721 χ²/NDF: 41.0/35
All: -586.769+/-1467.099 χ²/NDF: 68.4/73
- sign -472.554+/-2032.603 χ²/NDF: 27.4/37



Right In: 8660.711+/-2.313 χ^2/NDF: 357964.1/15

Left Out: 10857.649+/-1.968 χ^2/NDF:854668.5/19

Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

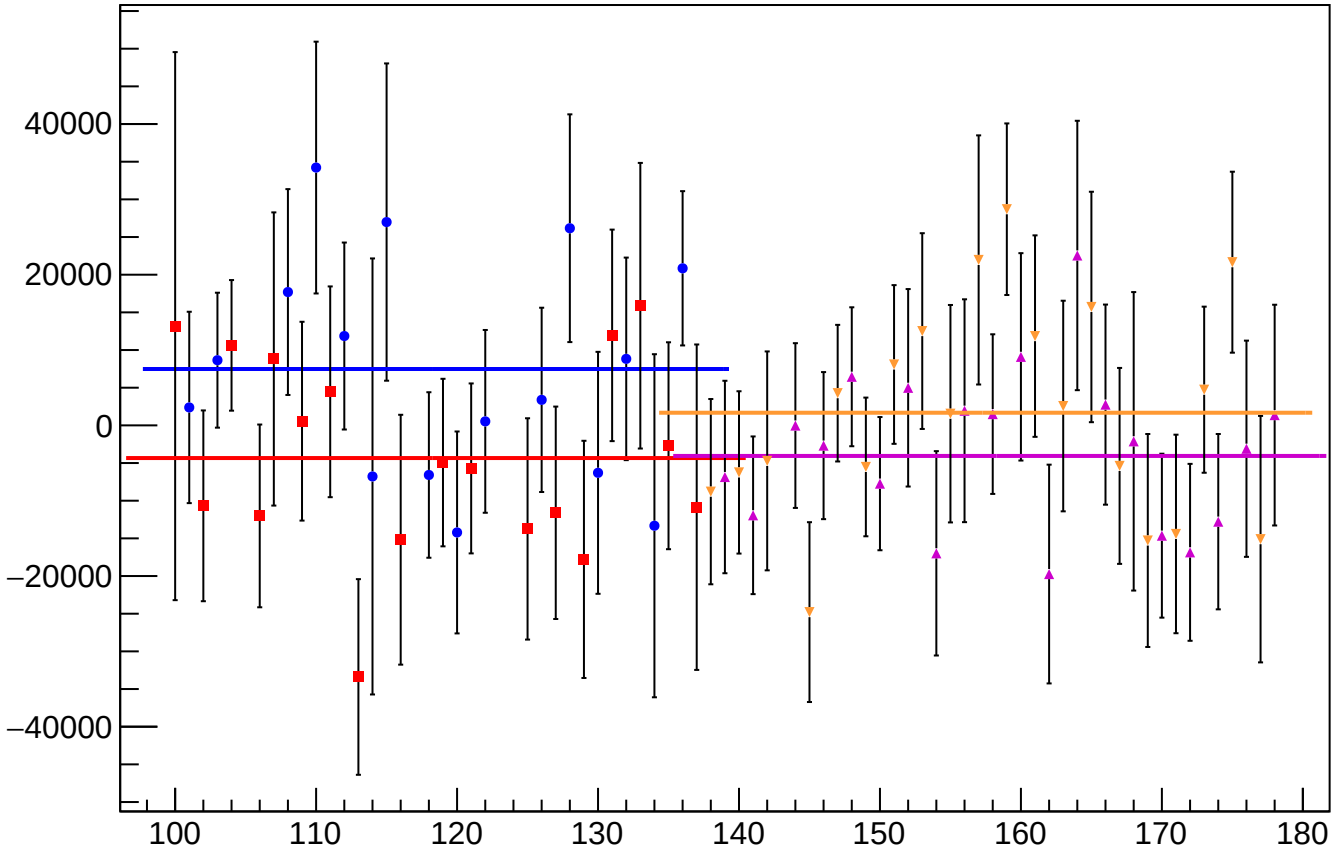
Left In: 10839.834+/-1.935 χ^2/NDF:1077206.3/19

+ sign 9935.466+/-1.499 χ^2/NDF: 1735891.1/35

All: 9754.270+/-1.037 χ^2/NDF: 4333330.3/73

- sign 9587.661+/-1.437 χ^2/NDF: 2569387.6/37

asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: 1677.234+/-2746.059 χ^2/NDF:23.8/19

Right Out: -4338.165+/-3242.620 χ^2/NDF: 14.3/17

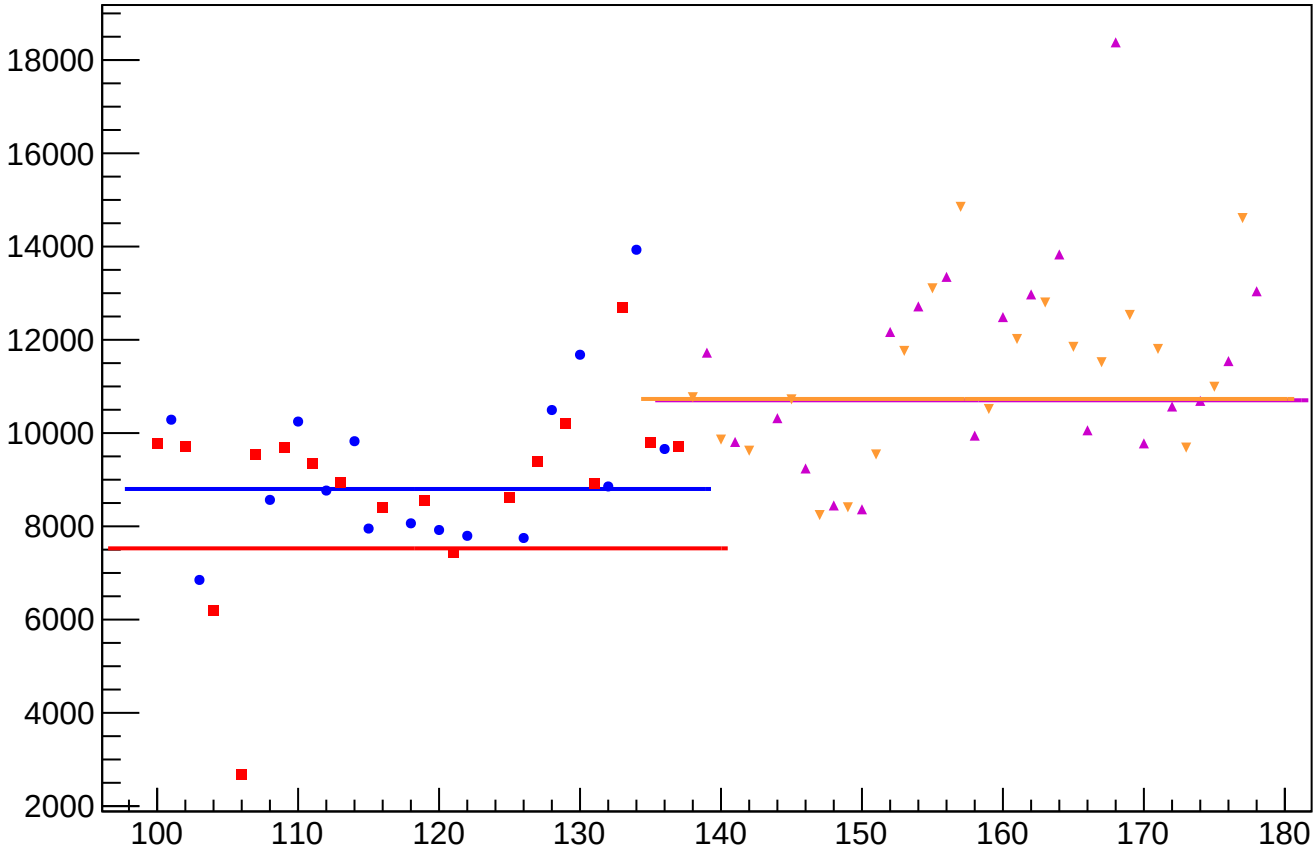
Left In: -4058.005+/-2698.078 χ^2/NDF:11.5/19

\+ sign 4025.993+/-2118.844 χ^2/NDF: 39.7/35

All: -160.967+/-1482.144 χ^2/NDF: 73.1/73

\- sign -4172.619+/-2074.012 χ^2/NDF: 25.8/37

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

Left Out: 10731.587+/-1.942 χ^2/NDF:777406.7/19

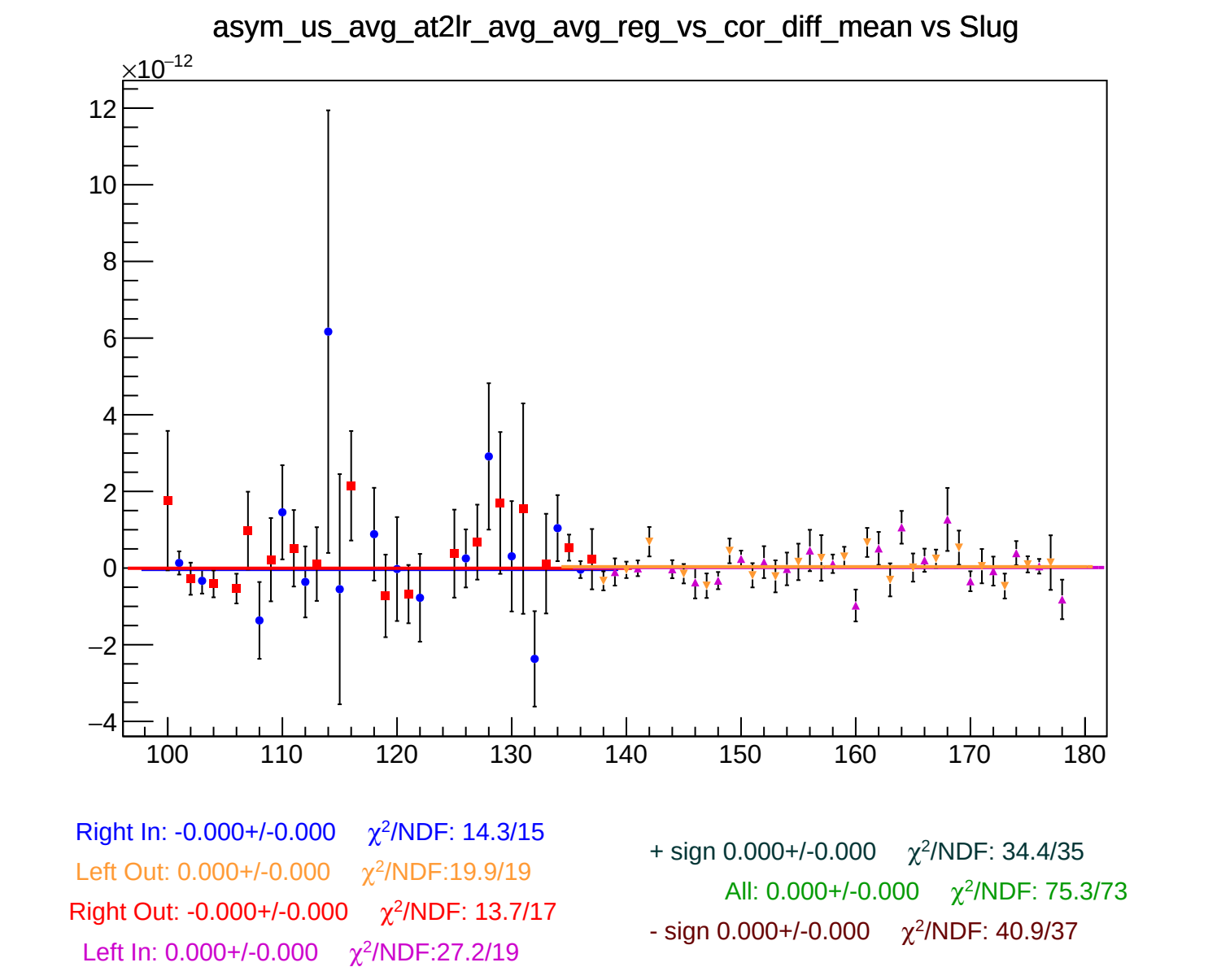
Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

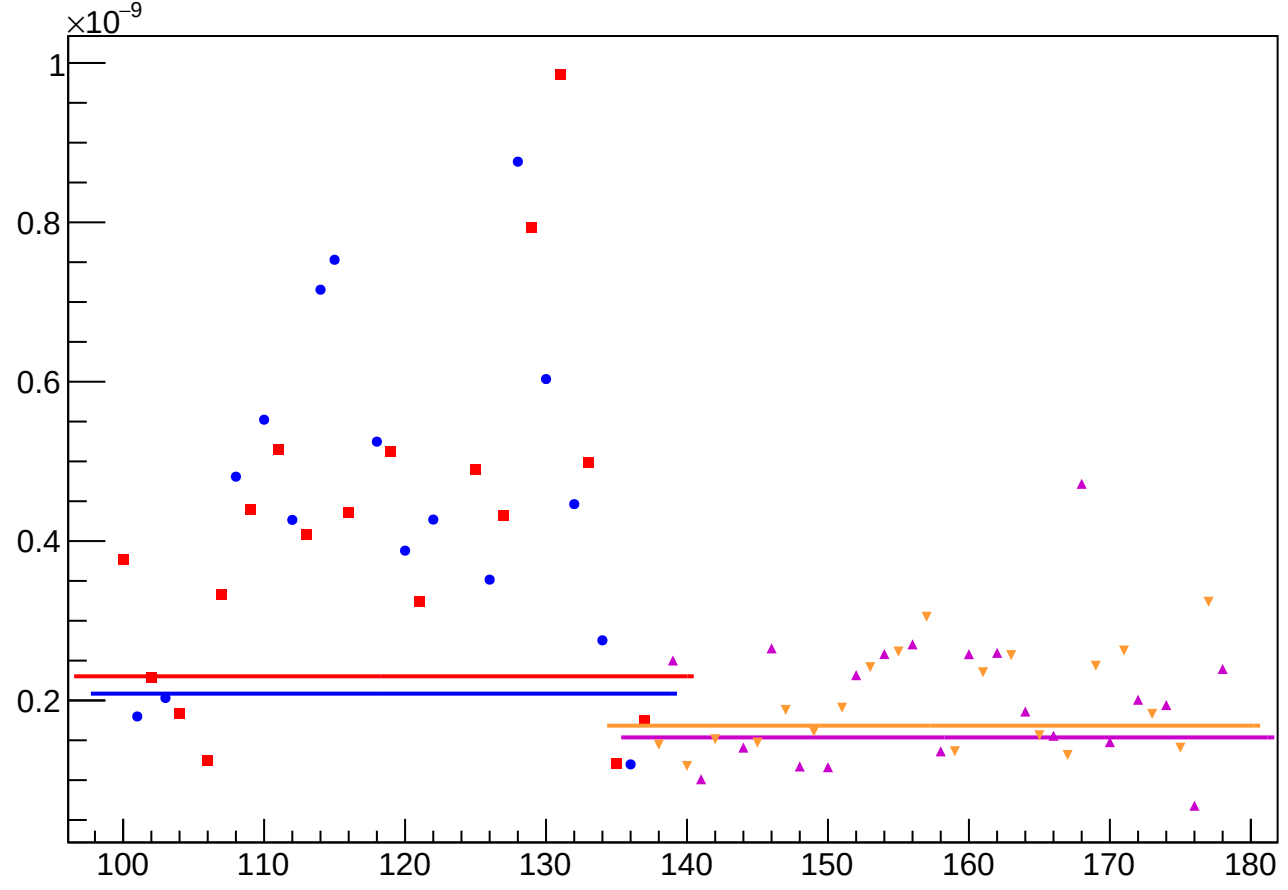
Left In: 10703.141+/-1.908 χ^2/NDF:998667.1/19

+ sign 9950.410+/-1.498 χ^2/NDF: 1571956.3/35

All: 9601.824+/-1.031 χ^2/NDF: 5564908.8/73

- sign 9288.423+/-1.421 χ^2/NDF: 3890152.4/37


asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
12
10
8
6
4
2
0
−2
−4
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 14.3/15
Left Out: 0.000+/-0.000 χ²/NDF:19.9/19
Right Out: -0.000+/-0.000 χ²/NDF: 13.7/17
Left In: 0.000+/-0.000 χ²/NDF:27.2/19
+ sign 0.000+/-0.000 χ²/NDF: 34.4/35
All: 0.000+/-0.000 χ²/NDF: 75.3/73
- sign 0.000+/-0.000 χ²/NDF: 40.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 1632322.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:918813.8/19

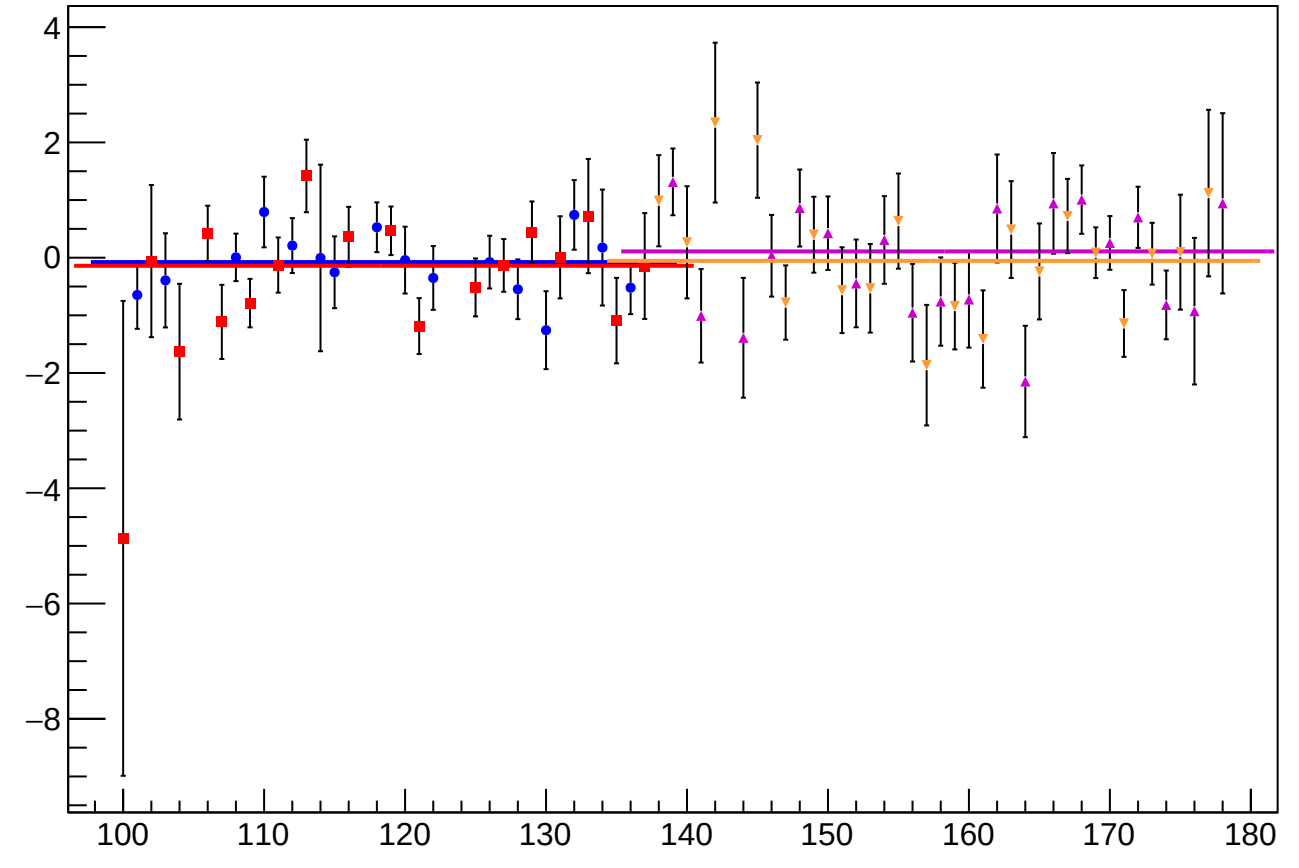
Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1917170.2/19

+ sign 0.000+/-0.000 χ^2/NDF: 2679674.5/35

All: 0.000+/-0.000 χ^2/NDF: 6593416.2/73

- sign 0.000+/-0.000 χ^2/NDF: 3883872.0/37



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.055+/-0.166 χ^2/NDF:25.5/19

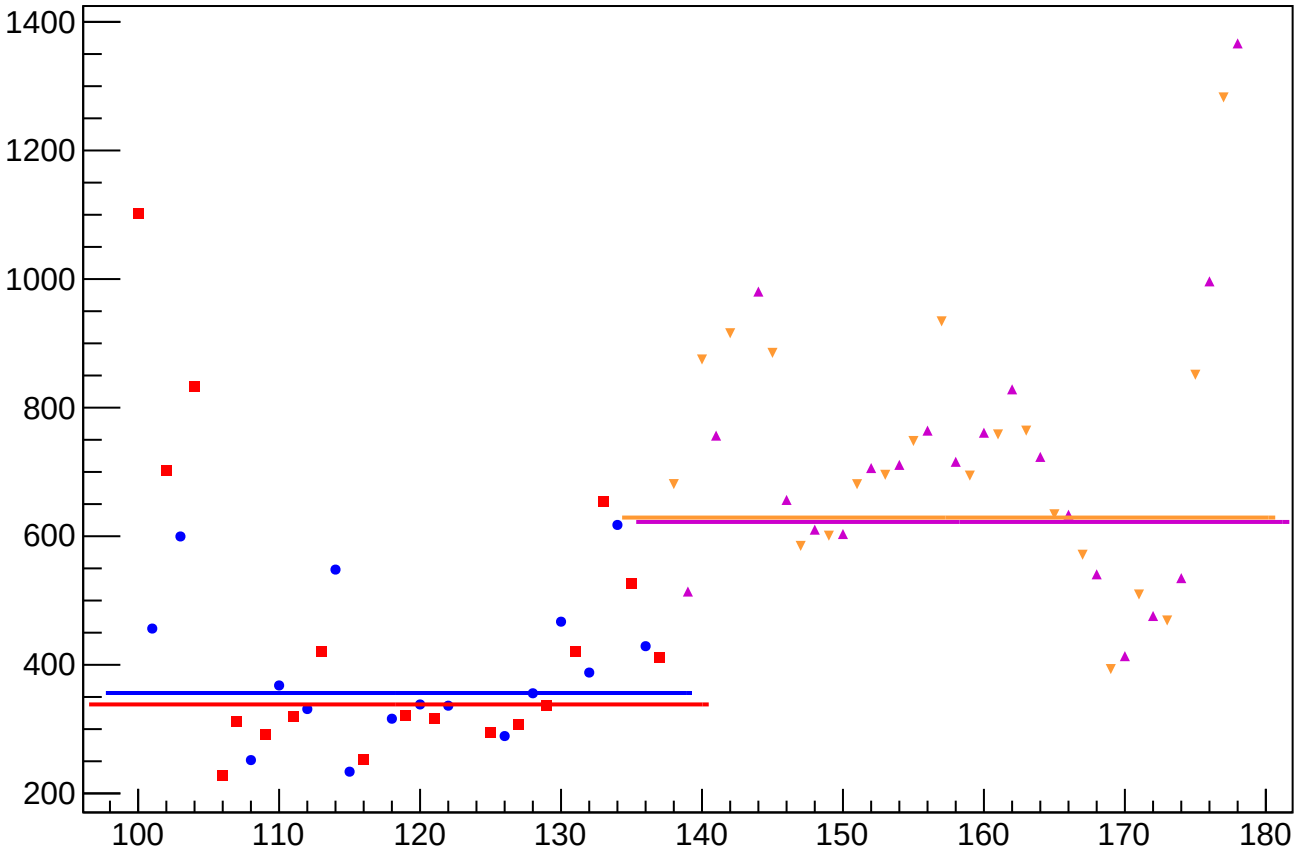
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.109+/-0.161 χ^2/NDF:28.3/19

+ sign -0.067+/-0.107 χ^2/NDF: 38.0/35

All: -0.051+/-0.075 χ^2/NDF: 94.7/73

- sign -0.035+/-0.105 χ^2/NDF: 56.7/37



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 629.062+/-0.117 χ^2/NDF:2077877.8/19

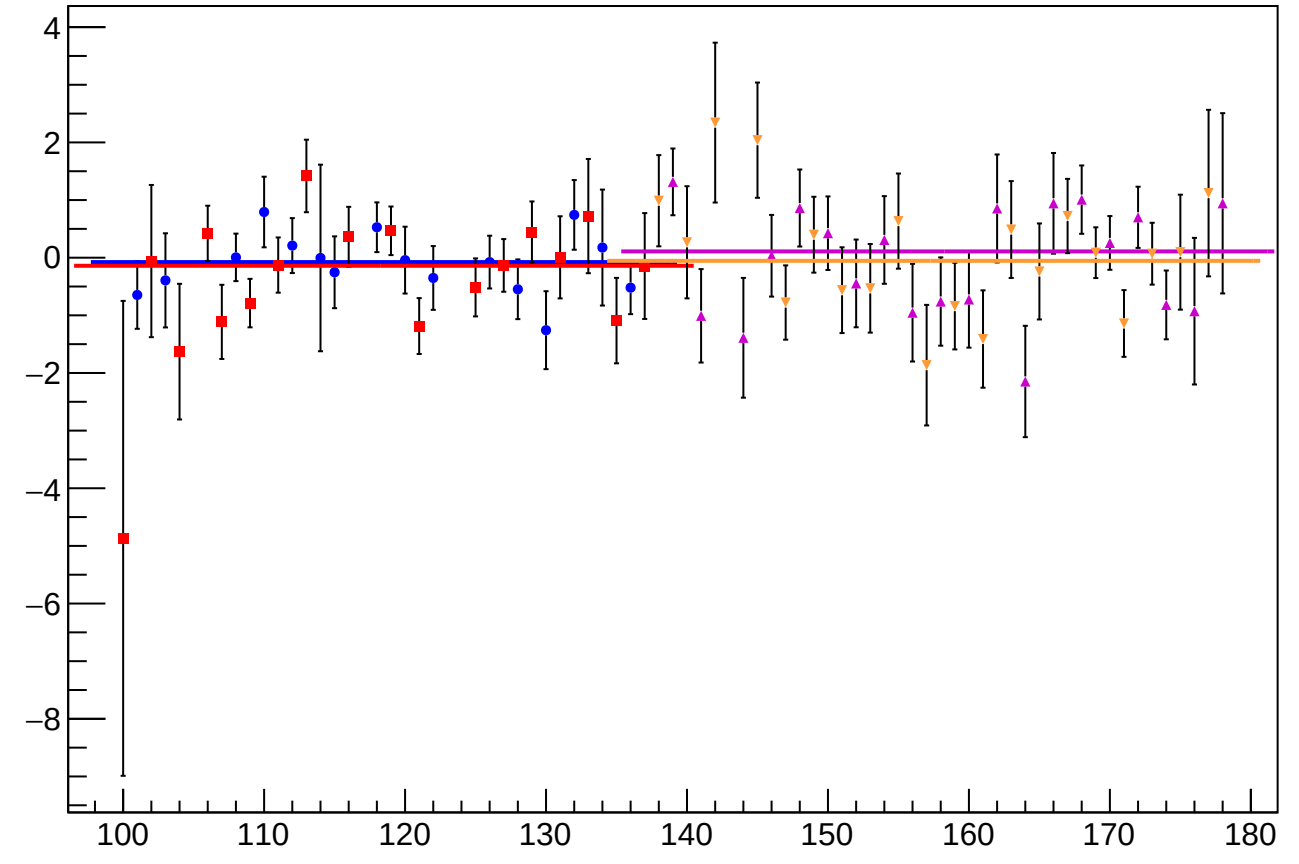
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 622.232+/-0.114 χ^2/NDF:1941491.4/19

+ sign 469.556+/-0.076 χ^2/NDF: 6024045.7/35

All: 463.853+/-0.053 χ^2/NDF: 12757222.8/73

- sign 458.375+/-0.074 χ^2/NDF: 6722030.8/37



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.055+/-0.166 χ^2/NDF:25.5/19

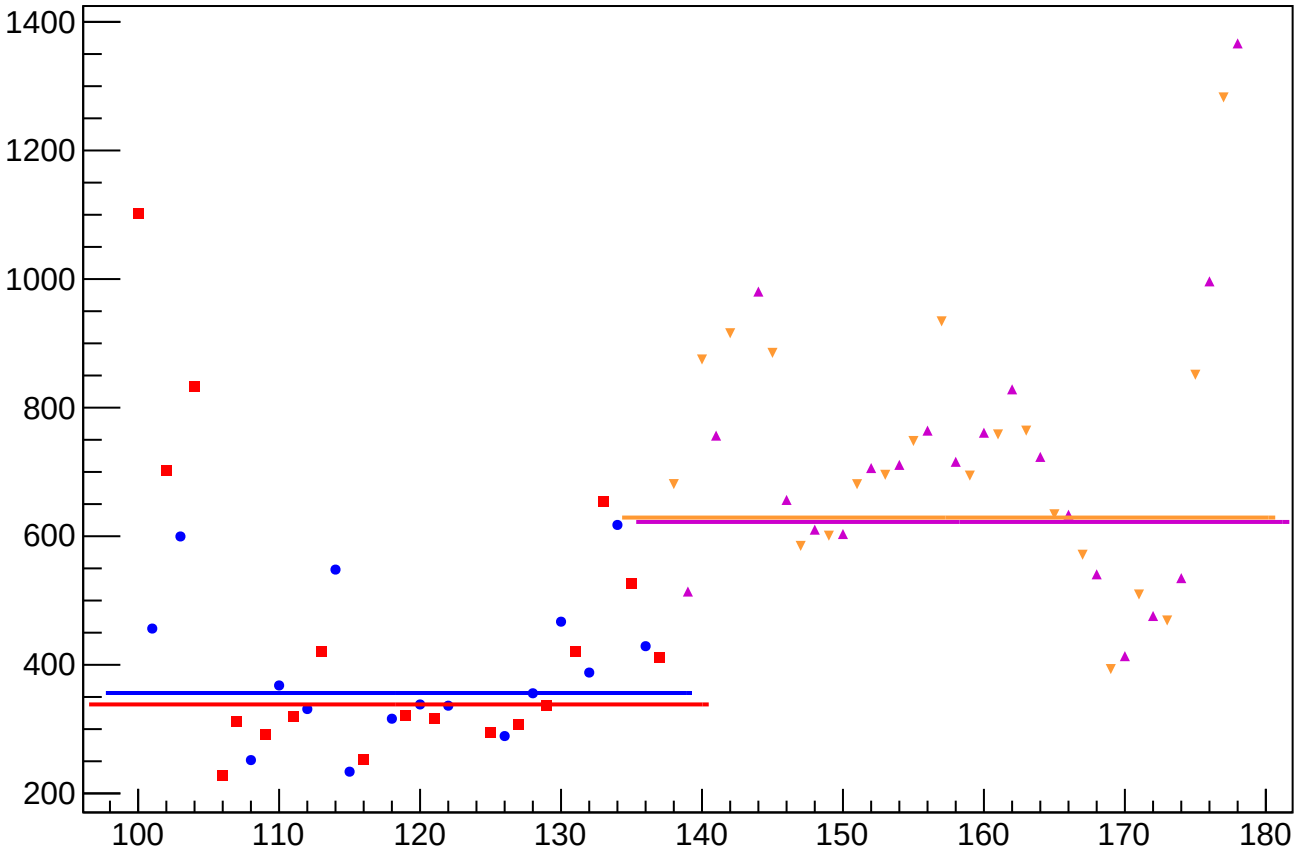
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.109+/-0.161 χ^2/NDF:28.3/19

+ sign -0.067+/-0.107 χ^2/NDF: 38.0/35

All: -0.051+/-0.075 χ^2/NDF: 94.7/73

- sign -0.035+/-0.105 χ^2/NDF: 56.7/37



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 629.062+/-0.117 χ^2/NDF:2077877.8/19

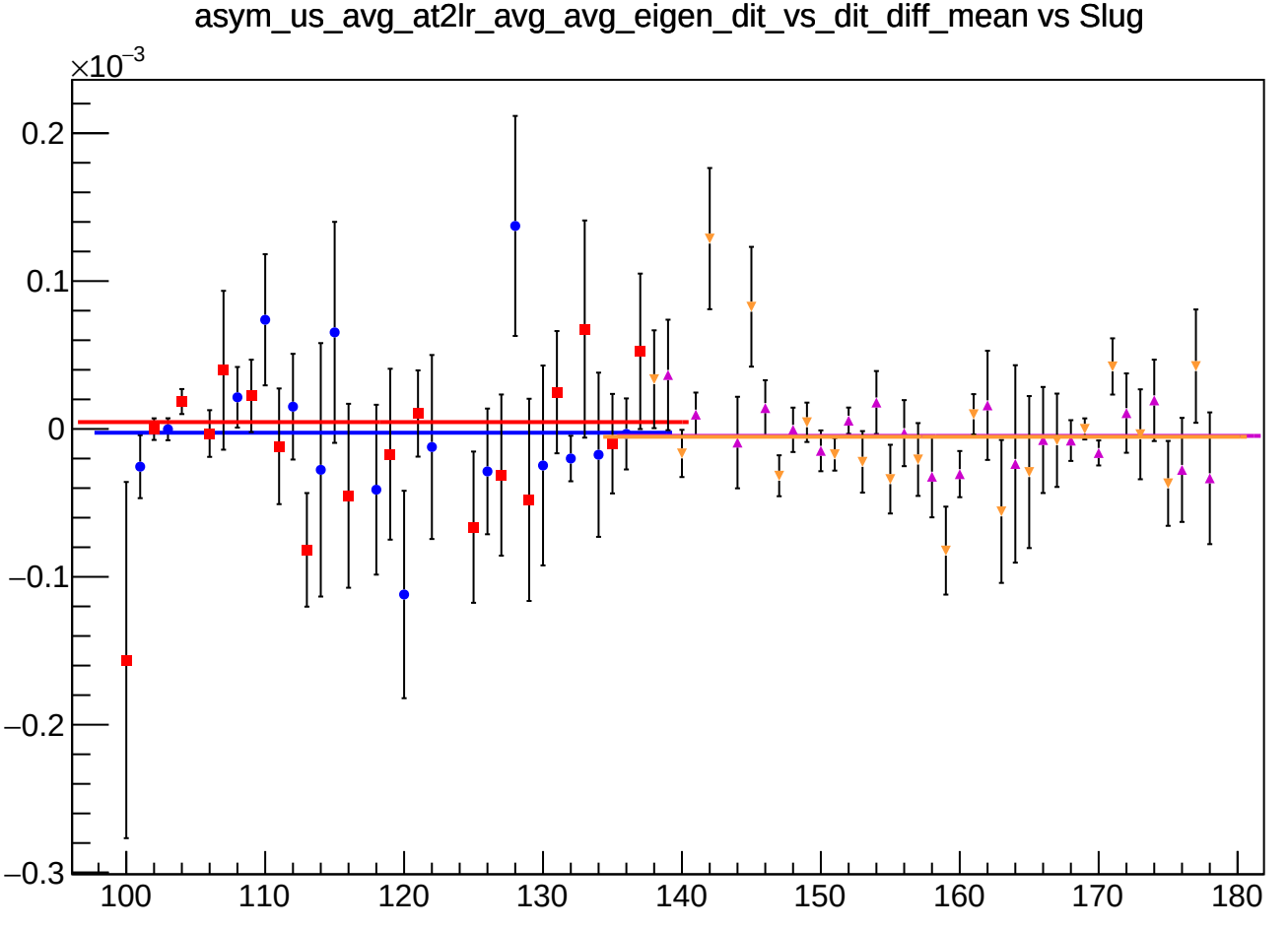
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 622.232+/-0.114 χ^2/NDF:1941491.4/19

+ sign 469.556+/-0.076 χ^2/NDF: 6024045.7/35

All: 463.853+/-0.053 χ^2/NDF: 12757222.8/73

- sign 458.375+/-0.074 χ^2/NDF: 6722030.8/37



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

Left Out: -0.000+/-0.000 χ^2/NDF:41.2/19

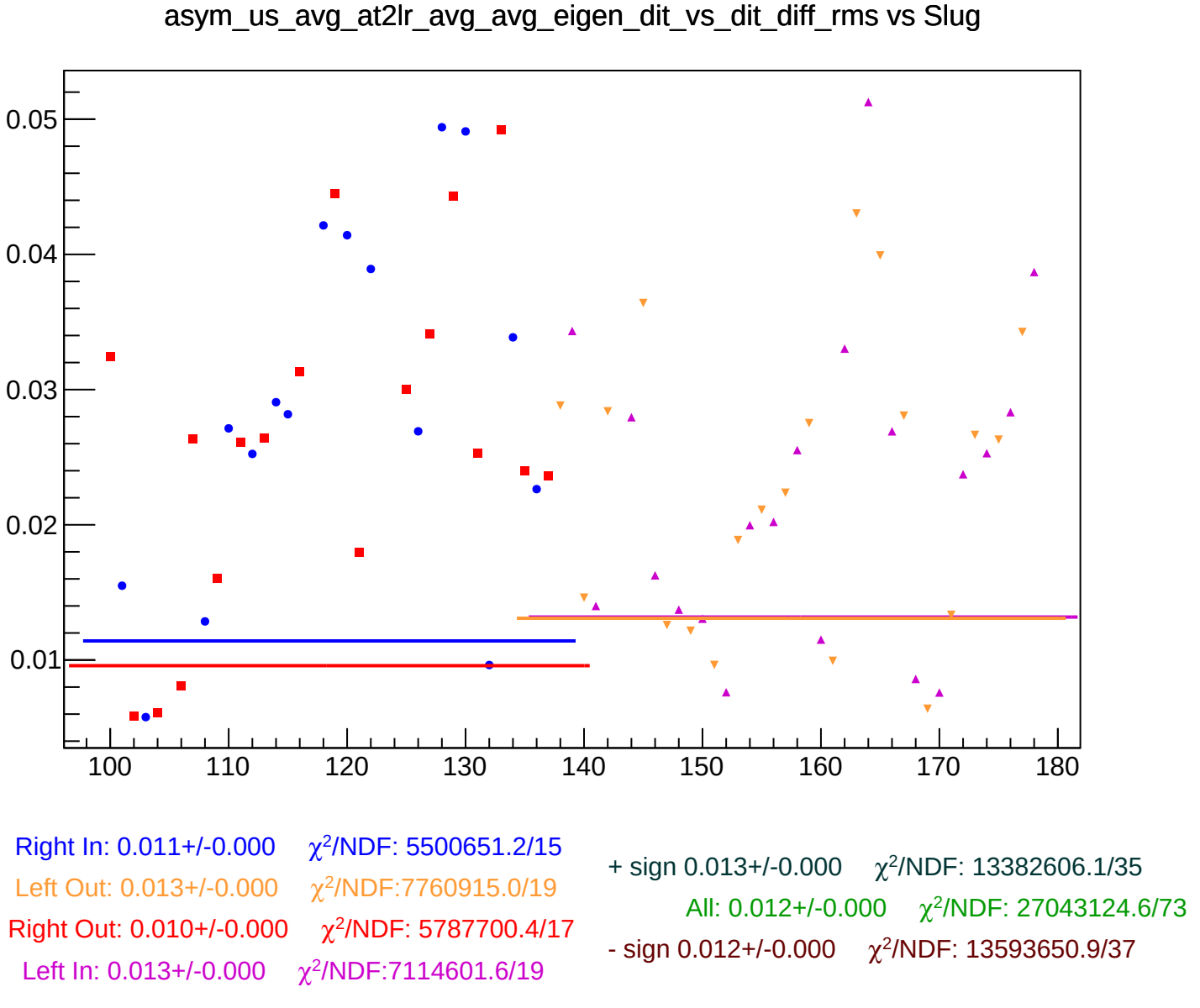
Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/17

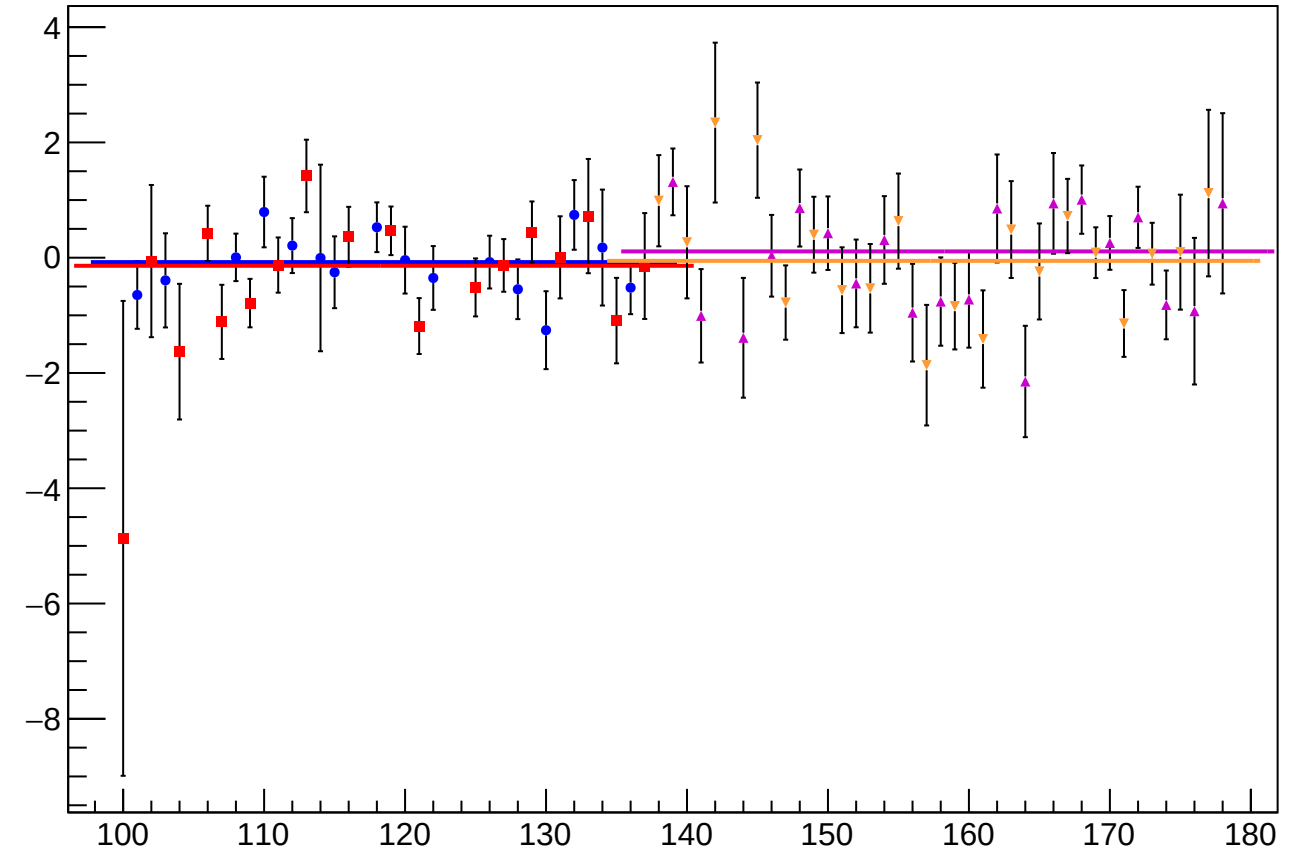
Left In: -0.000+/-0.000 χ^2/NDF:14.3/19

+ sign -0.000+/-0.000 χ^2/NDF: 56.4/35

All: -0.000+/-0.000 χ^2/NDF: 90.7/73

- sign -0.000+/-0.000 χ^2/NDF: 33.7/37


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.05
0.04
0.03
0.02
0.01
100
110
120
130
140
150
160
170
180
Right In: 0.011+/-0.000 χ²/NDF: 5500651.2/15
Left Out: 0.013+/-0.000 χ²/NDF:7760915.0/19
Right Out: 0.010+/-0.000 χ²/NDF: 5787700.4/17
Left In: 0.013+/-0.000 χ²/NDF:7114601.6/19
+ sign 0.013+/-0.000 χ²/NDF: 13382606.1/35
All: 0.012+/-0.000 χ²/NDF: 27043124.6/73
- sign 0.012+/-0.000 χ²/NDF: 13593650.9/37



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.055+/-0.166 χ^2/NDF:25.5/19

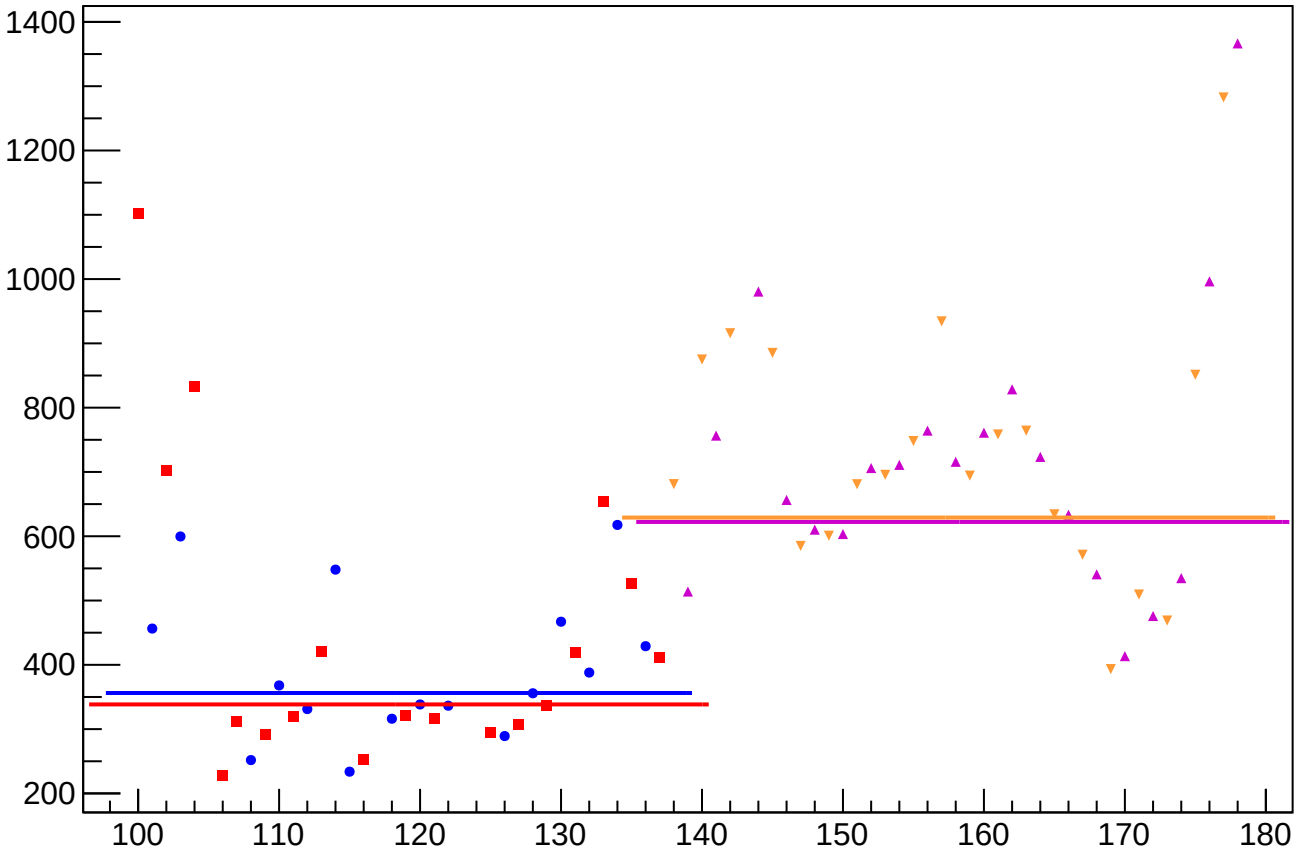
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.109+/-0.161 χ^2/NDF:28.3/19

+ sign -0.067+/-0.107 χ^2/NDF: 38.0/35

All: -0.051+/-0.075 χ^2/NDF: 94.7/73

- sign -0.035+/-0.105 χ^2/NDF: 56.7/37



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 629.062+/-0.117 χ^2/NDF:2078058.0/19

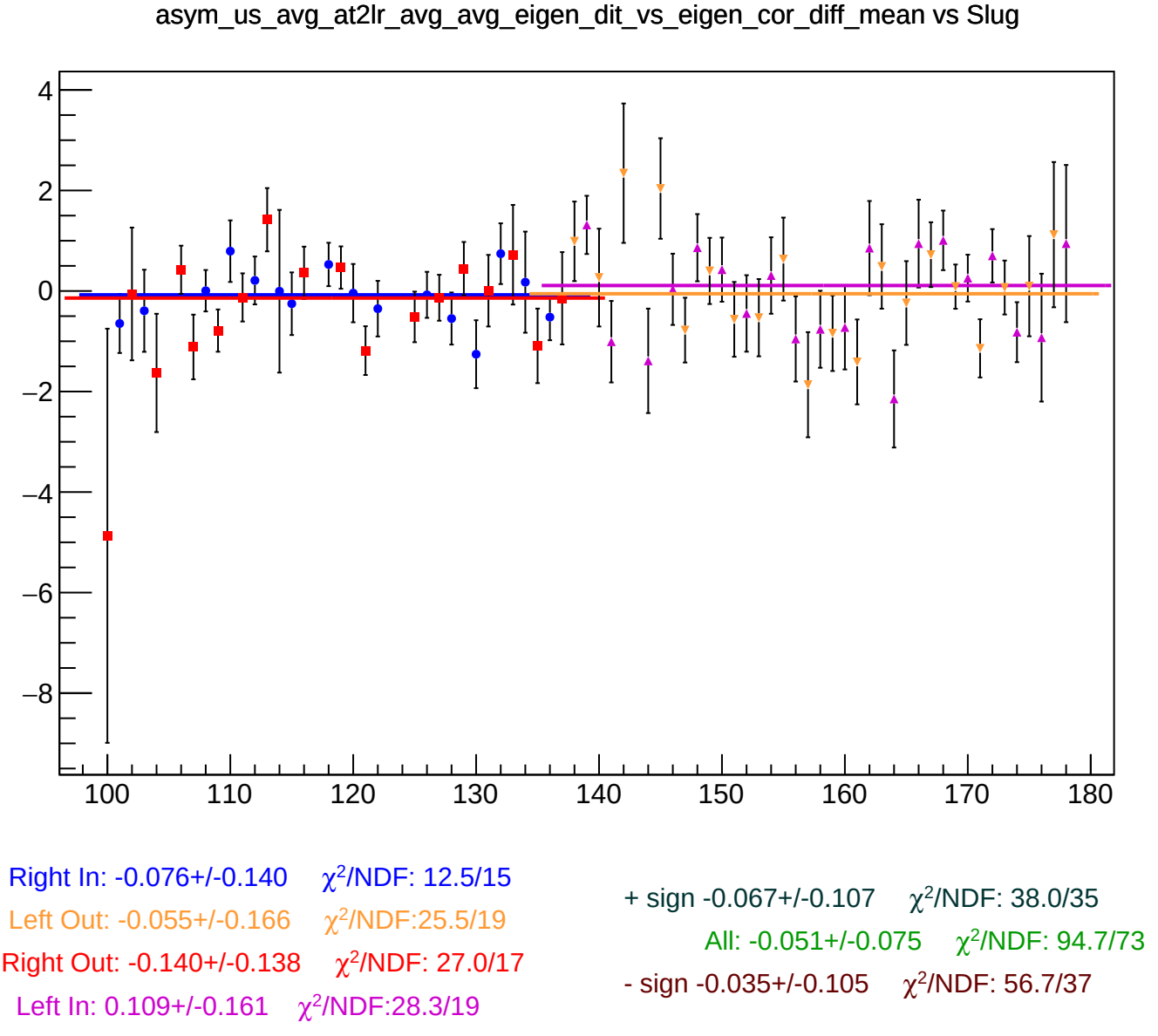
Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

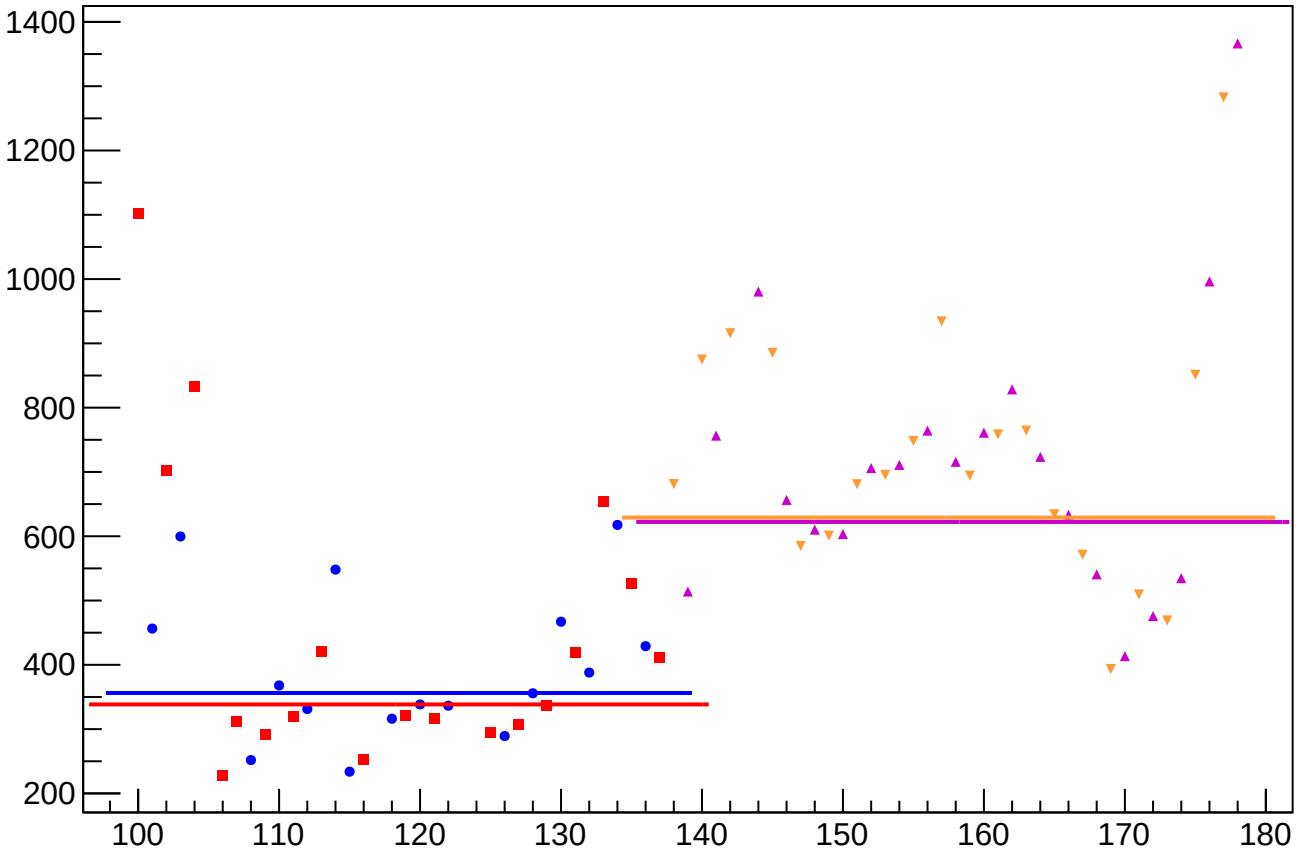
Left In: 622.235+/-0.114 χ^2/NDF:1941626.9/19

+ sign 469.554+/-0.076 χ^2/NDF: 6024226.0/35

All: 463.851+/-0.053 χ^2/NDF: 12757630.6/73

- sign 458.373+/-0.074 χ^2/NDF: 6722258.1/37


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
4
2
0
−2
−4
−6
−8
100
110
120
130
140
150
160
170
180
Right In: -0.076+/-0.140 χ²/NDF: 12.5/15
Left Out: -0.055+/-0.166 χ²/NDF:25.5/19
Right Out: -0.140+/-0.138 χ²/NDF: 27.0/17
Left In: 0.109+/-0.161 χ²/NDF:28.3/19
+ sign -0.067+/-0.107 χ²/NDF: 38.0/35
All: -0.051+/-0.075 χ²/NDF: 94.7/73
- sign -0.035+/-0.105 χ²/NDF: 56.7/37



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 629.062+/-0.117 χ^2/NDF:2078058.0/19

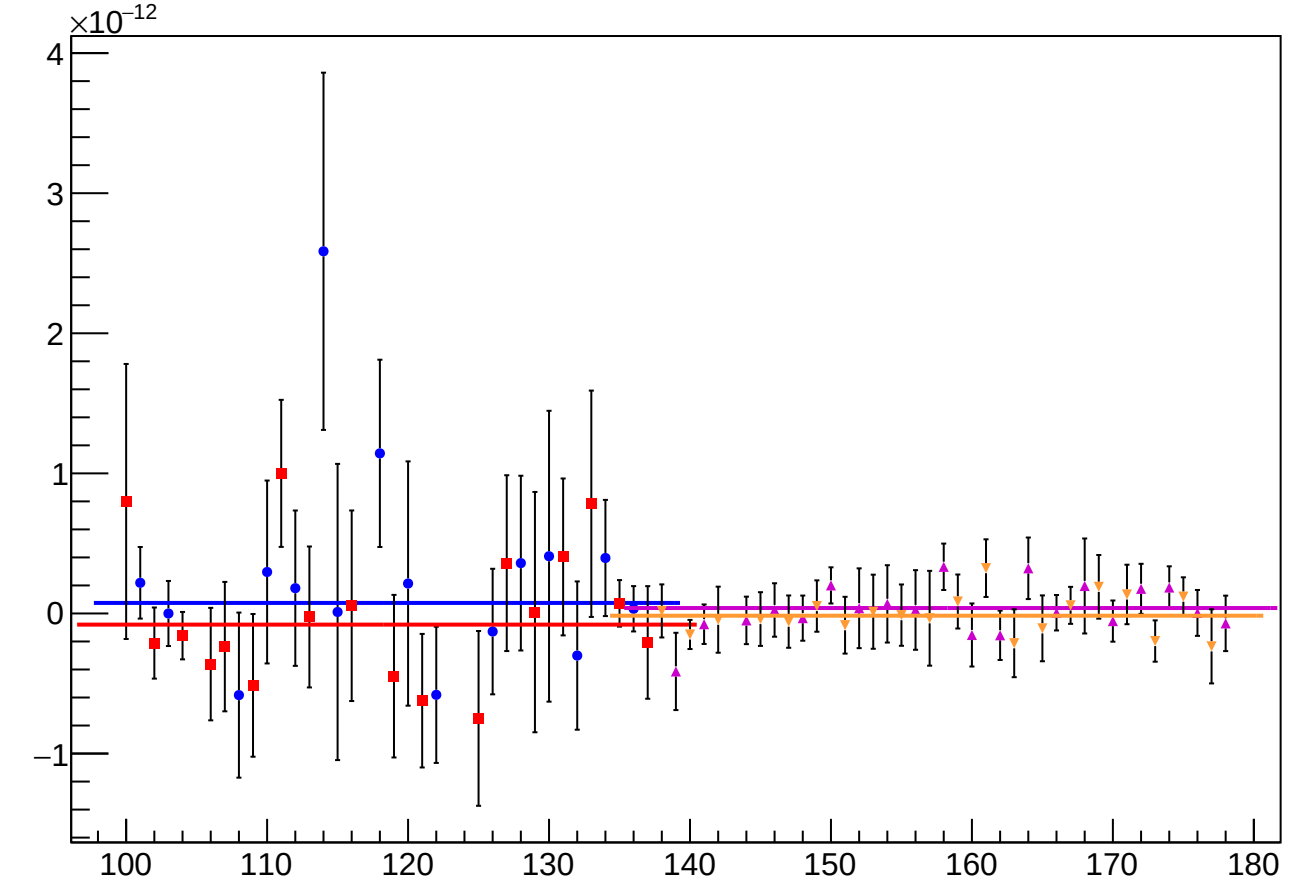
Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 622.235+/-0.114 χ^2/NDF:1941626.9/19

+ sign 469.554+/-0.076 χ^2/NDF: 6024226.0/35

All: 463.851+/-0.053 χ^2/NDF: 12757630.6/73

- sign 458.373+/-0.074 χ^2/NDF: 6722258.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.7/19

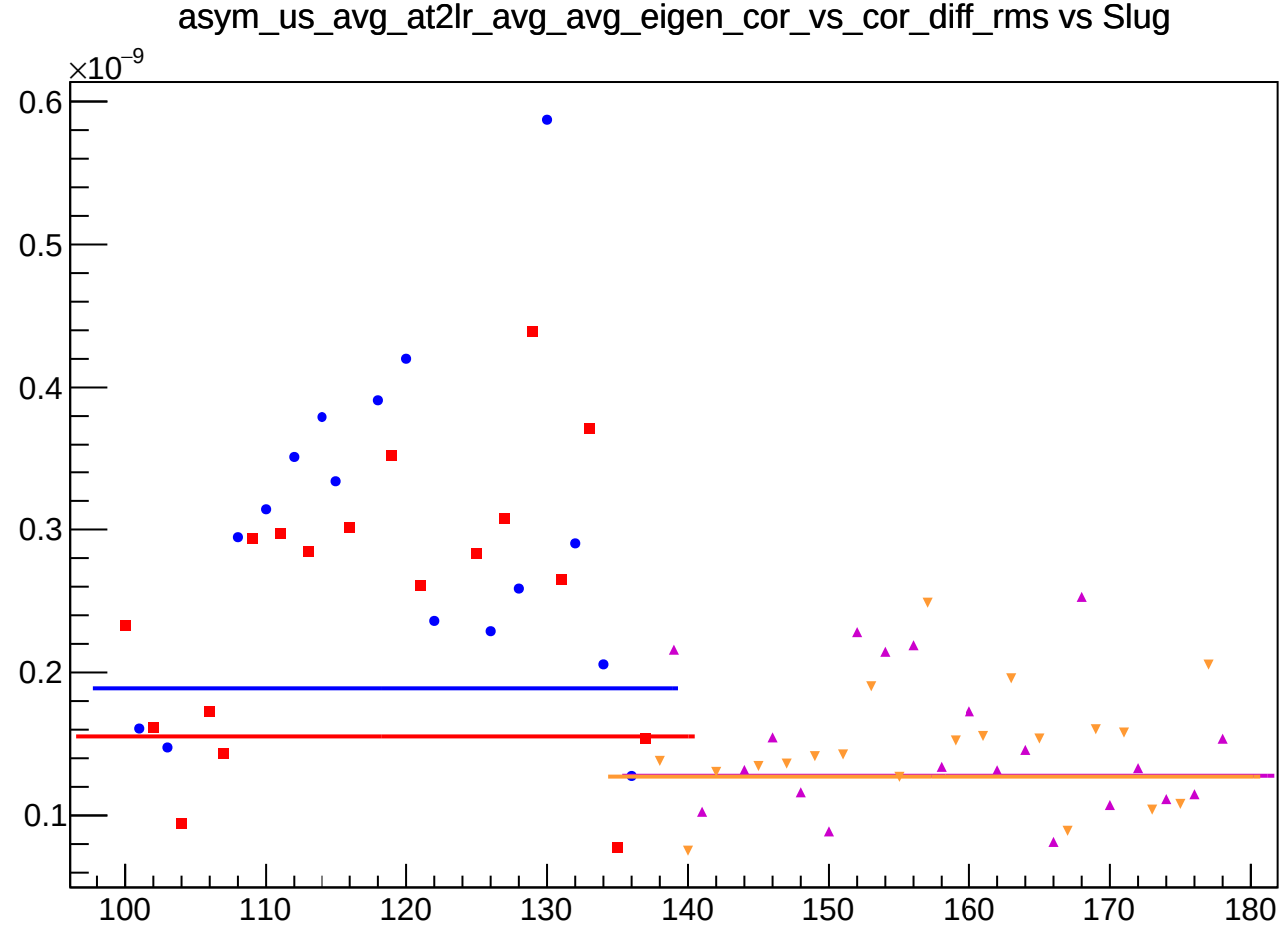
Right Out: -0.000+/-0.000 χ^2/NDF: 13.1/17

Left In: 0.000+/-0.000 χ^2/NDF:14.8/19

+ sign -0.000+/-0.000 χ^2/NDF: 23.2/35

All: 0.000+/-0.000 χ^2/NDF: 52.8/73

- sign 0.000+/-0.000 χ^2/NDF: 29.4/37



Right In: 0.000+/-0.000 χ^2/NDF: 1520620.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1679327.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

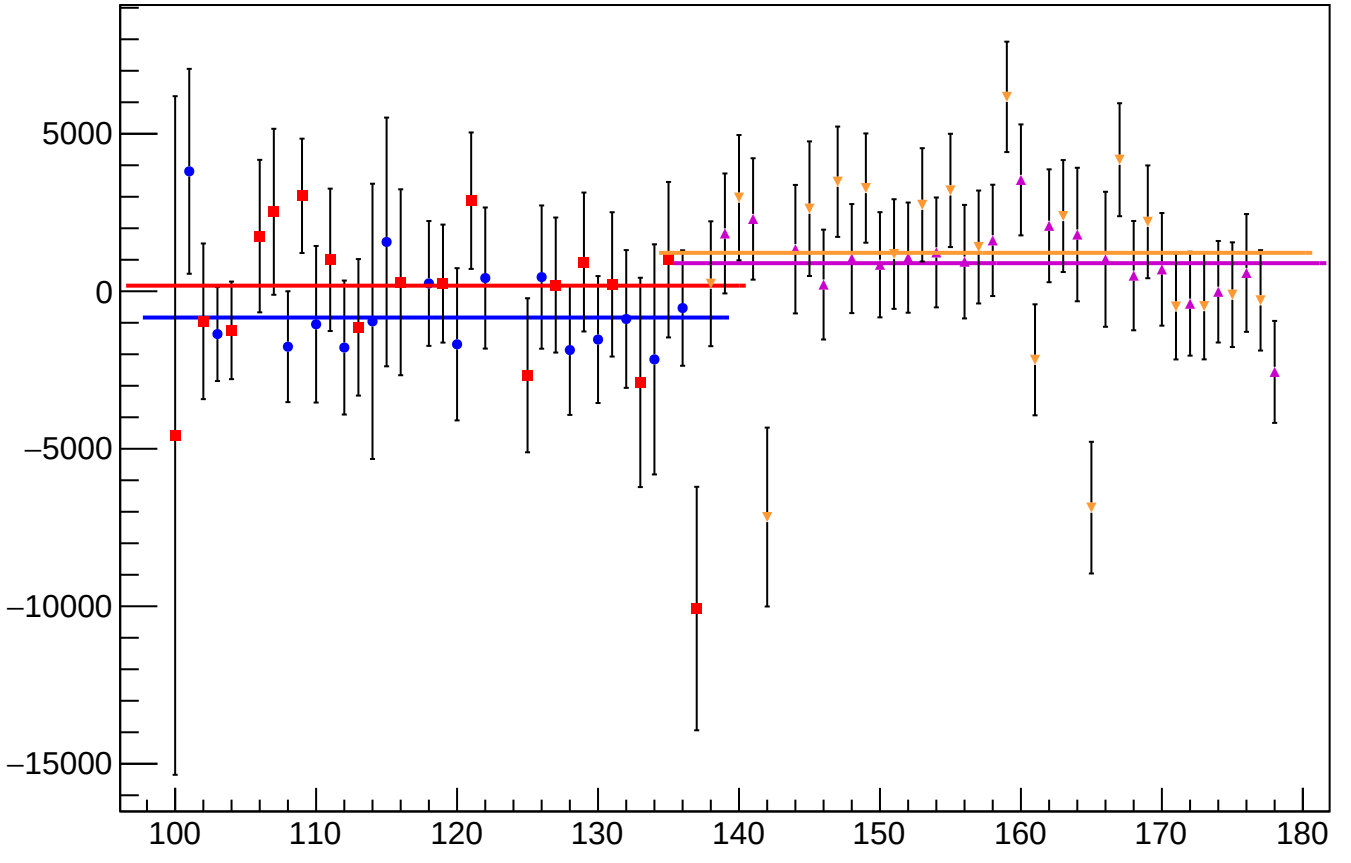
Left In: 0.000+/-0.000 χ^2/NDF:1901191.0/19

+ sign 0.000+/-0.000 χ^2/NDF: 3893973.9/35

All: 0.000+/-0.000 χ^2/NDF: 8177539.2/73

- sign 0.000+/-0.000 χ^2/NDF: 4271901.5/37

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.479+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1220.067+/-406.720 χ^2/NDF:48.9/19

Right Out: 178.292+/-547.824 χ^2/NDF: 16.5/17

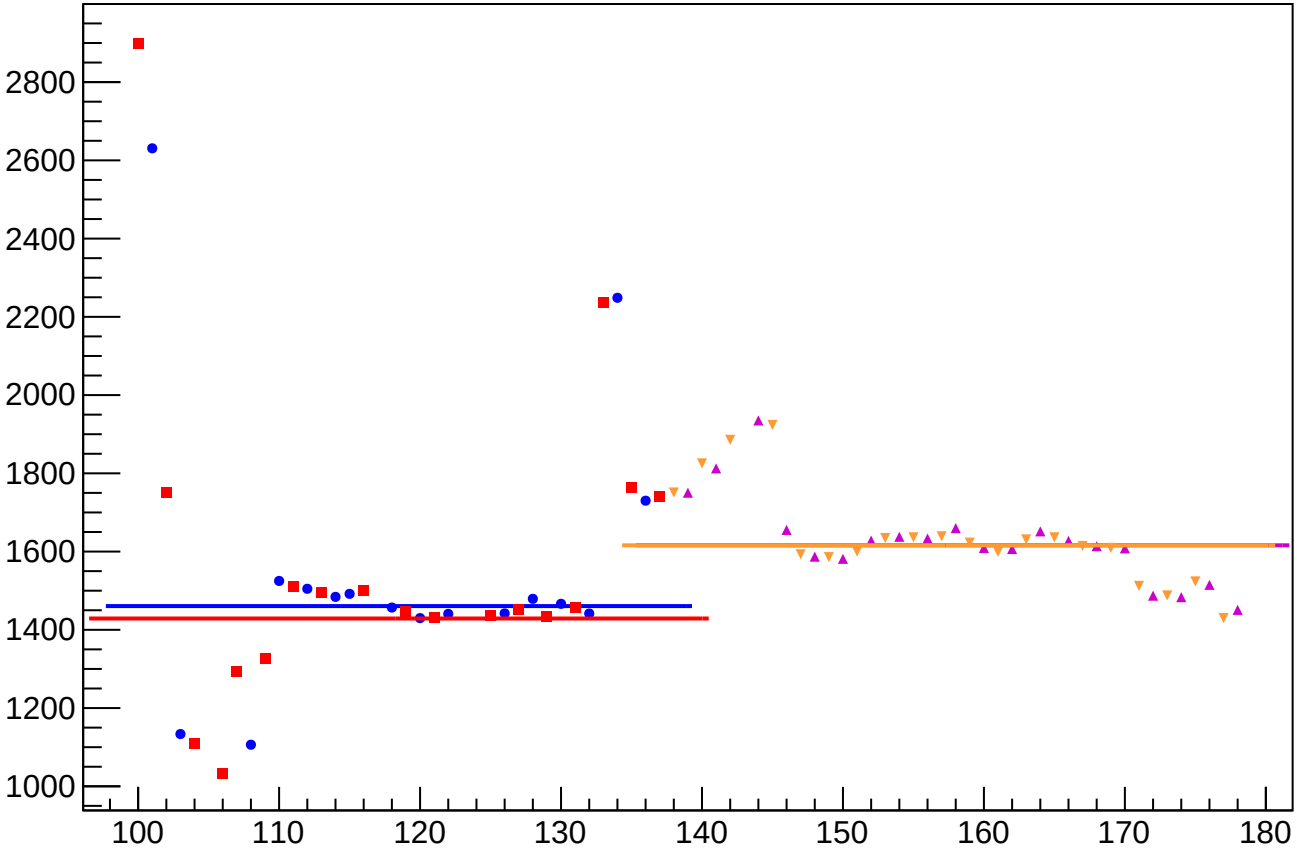
Left In: 891.887+/-400.621 χ^2/NDF:9.6/19

+ sign 502.282+/-328.025 χ^2/NDF: 62.4/35

All: 573.765+/-230.288 χ^2/NDF: 89.7/73

- sign 643.237+/-323.377 χ^2/NDF: 27.2/37

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1616.002+/-0.288 χ^2/NDF:145993.3/19

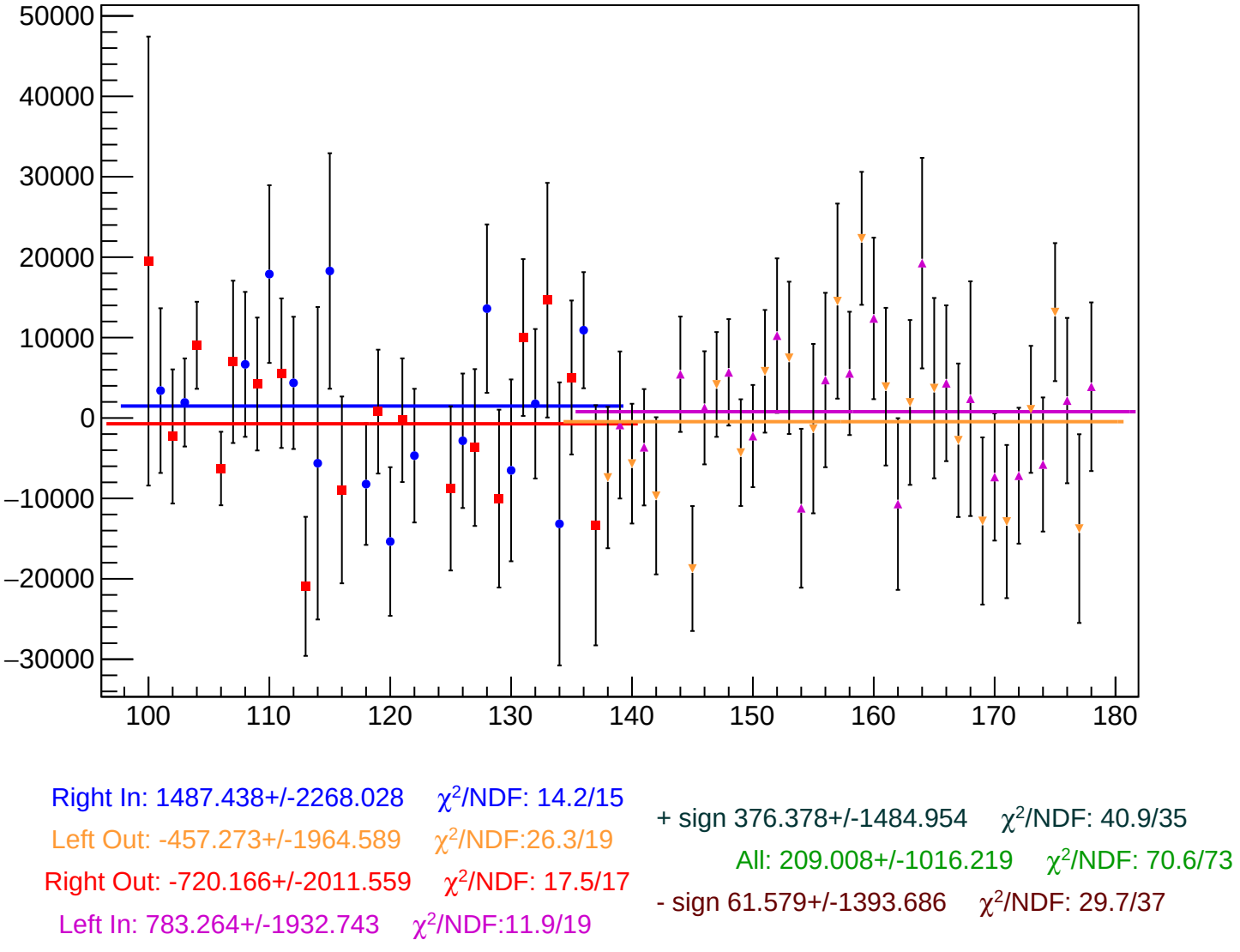
Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

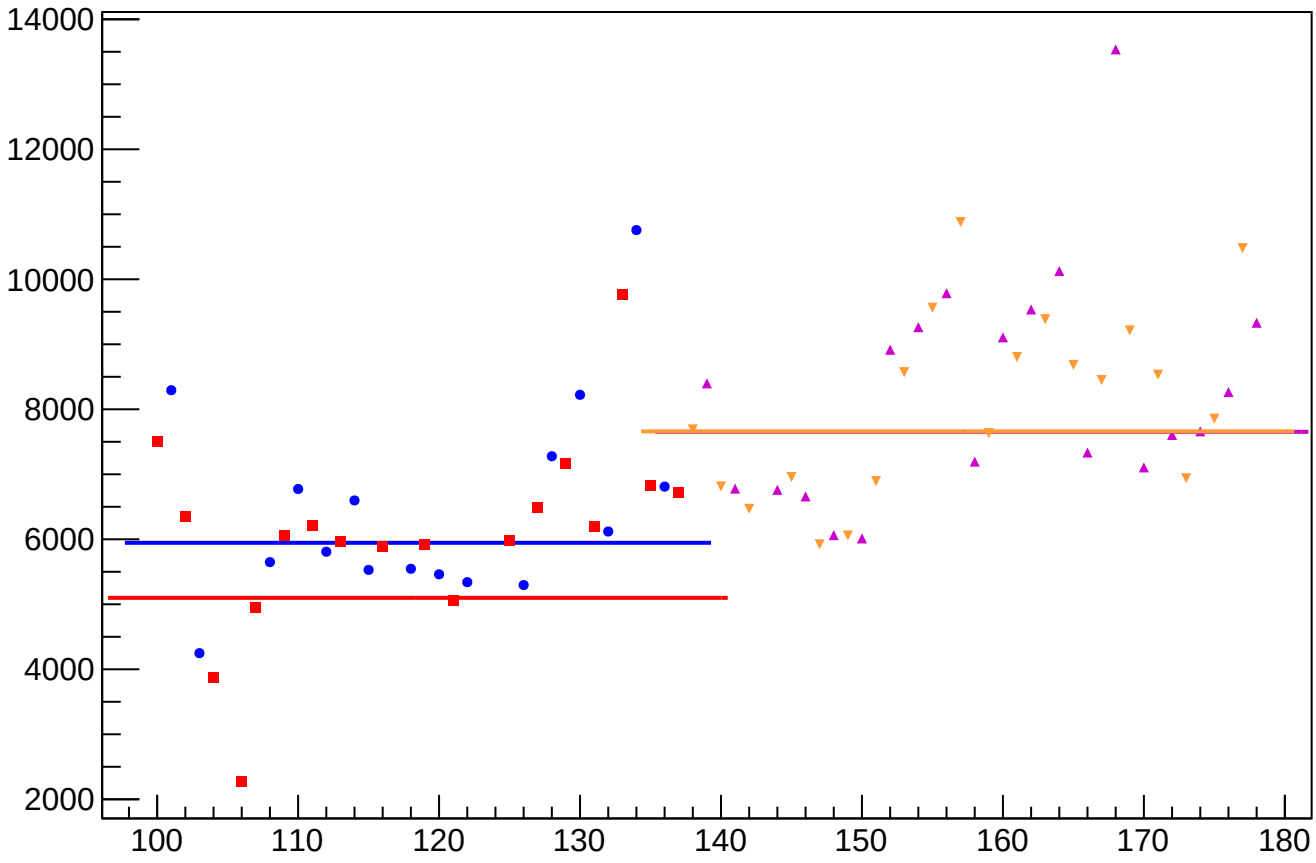
Left In: 1616.030+/-0.283 χ^2/NDF:137167.2/19

+ sign 1561.702+/-0.232 χ^2/NDF: 823716.5/35

All: 1555.858+/-0.163 χ^2/NDF: 1526862.7/73

- sign 1550.208+/-0.228 χ^2/NDF: 701897.7/37


asym_us_avg_at2lr_avg_dd_reg_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
Right In: 1487.438+/-2268.028 χ²/NDF: 14.2/15
Left Out: -457.273+/-1964.589 χ²/NDF:26.3/19
Right Out: -720.166+/-2011.559 χ²/NDF: 17.5/17
Left In: 783.264+/-1932.743 χ²/NDF:11.9/19
+ sign 376.378+/-1484.954 χ²/NDF: 40.9/35
All: 209.008+/-1016.219 χ²/NDF: 70.6/73
- sign 61.579+/-1393.686 χ²/NDF: 29.7/37



Right In: 5946.080+/-1.604 χ^2/NDF: 641131.4/15

Left Out: 7659.831+/-1.389 χ^2/NDF:884410.2/19

Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

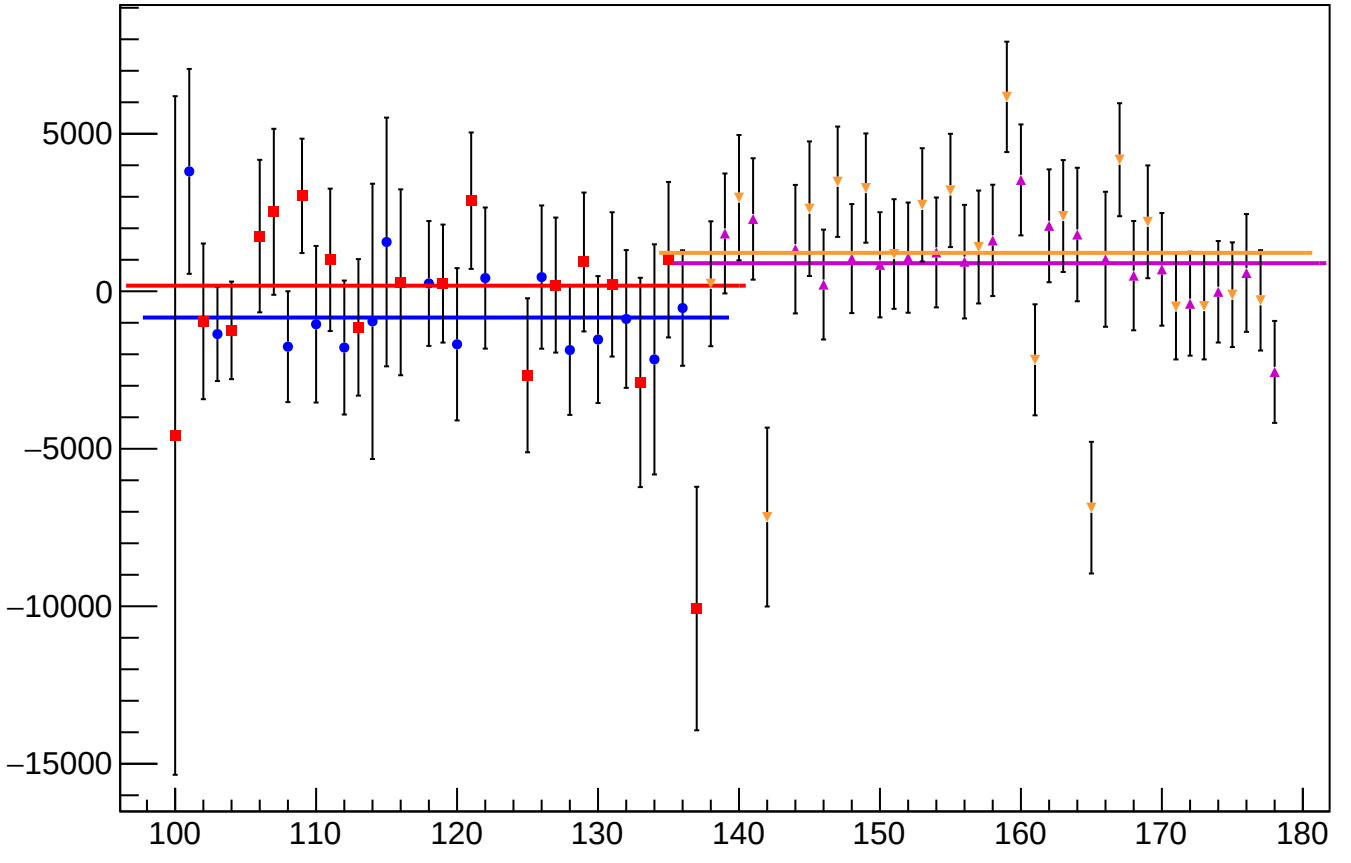
Left In: 7653.144+/-1.367 χ^2/NDF:1104816.8/19

+ sign 6925.187+/-1.050 χ^2/NDF: 2177937.7/35

All: 6660.457+/-0.719 χ^2/NDF: 6558814.4/73

- sign 6427.269+/-0.985 χ^2/NDF: 4261322.5/37

cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1220.154+/-406.720 χ^2/NDF:48.9/19

Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

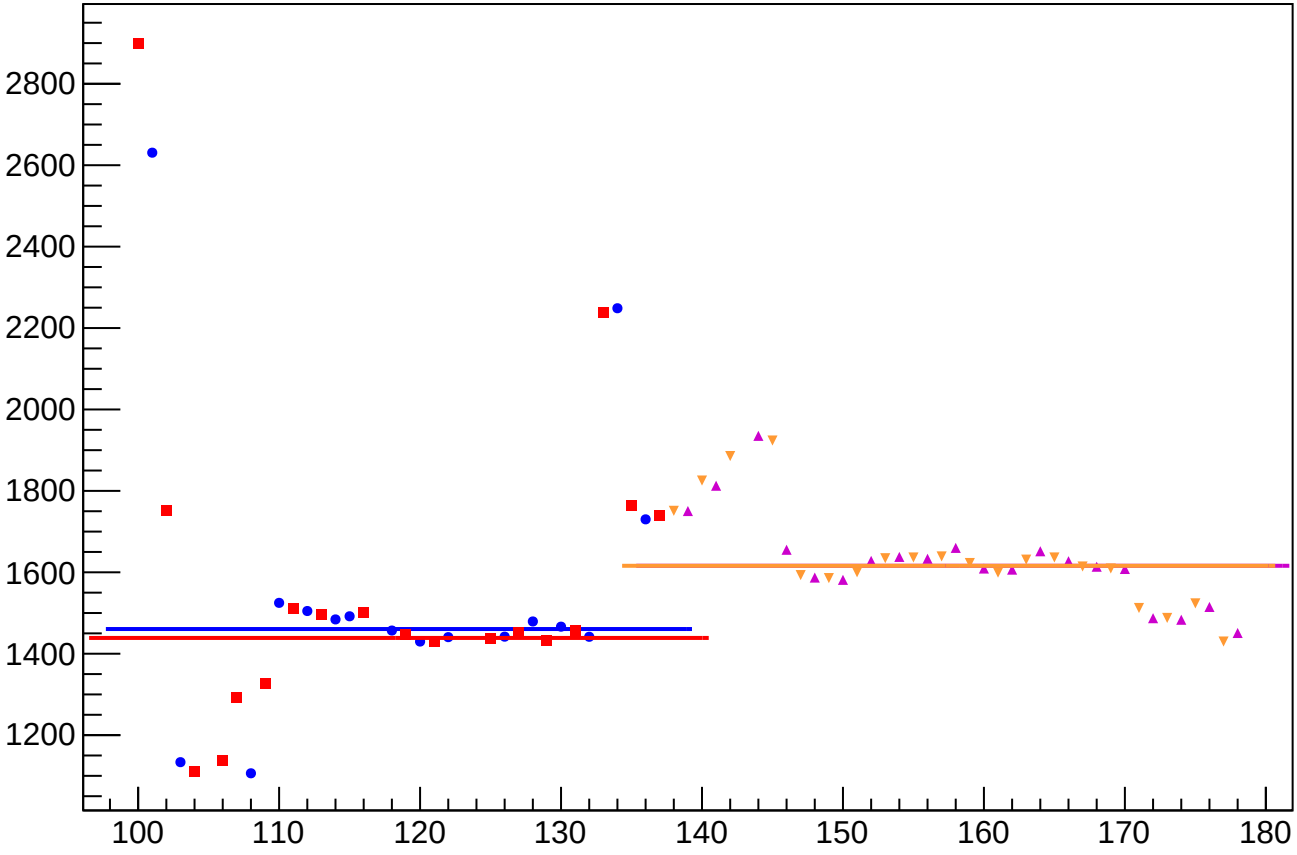
Left In: 891.782+/-400.621 χ^2/NDF:9.6/19

+ sign 502.316+/-328.025 χ^2/NDF: 62.4/35

All: 573.719+/-230.288 χ^2/NDF: 89.7/73

- sign 643.113+/-323.377 χ^2/NDF: 27.2/37

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1616.002+/-0.288 χ^2/NDF:145993.3/19

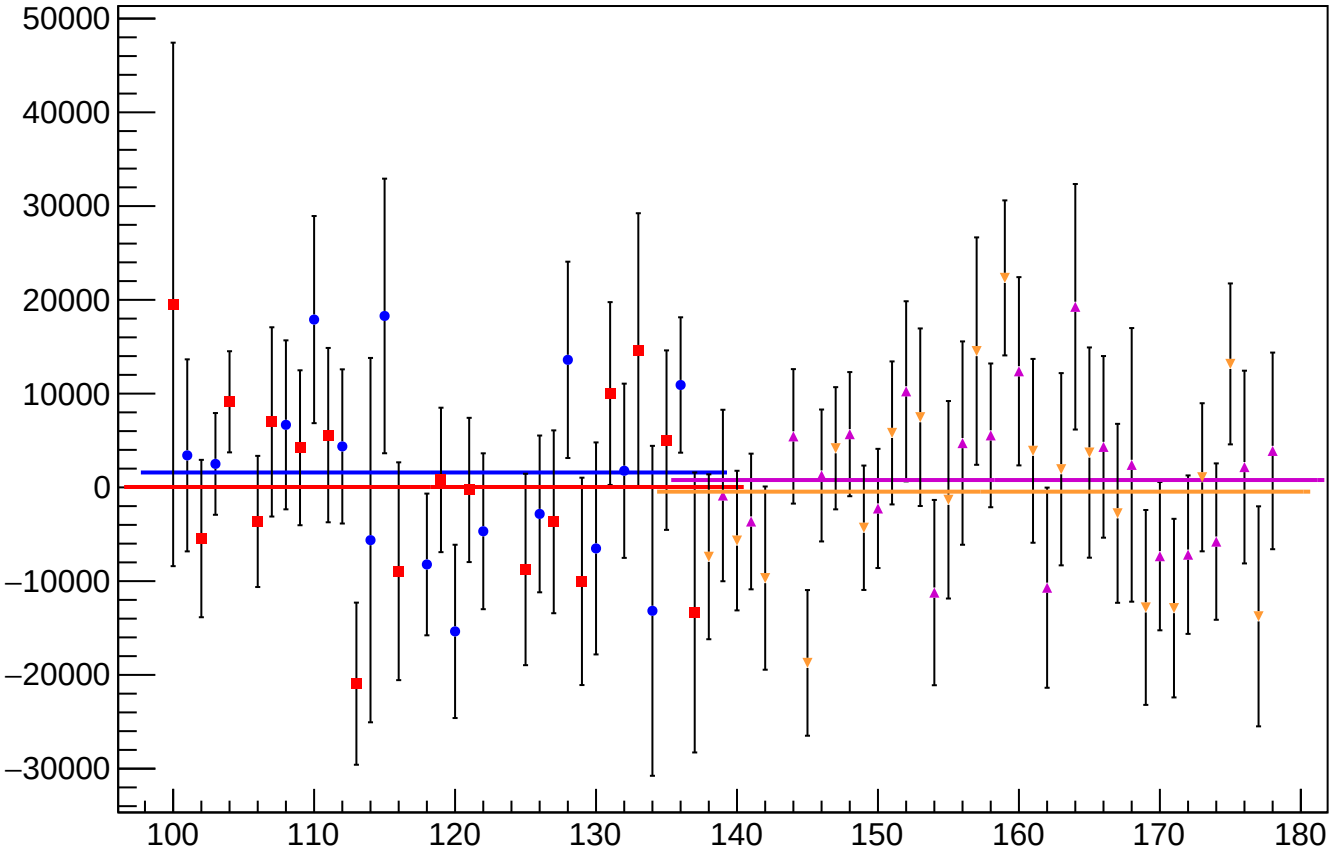
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1616.030+/-0.283 χ^2/NDF:137167.2/19

+ sign 1561.702+/-0.232 χ^2/NDF: 823716.9/35

All: 1557.833+/-0.163 χ^2/NDF: 1471657.8/73

- sign 1554.078+/-0.228 χ^2/NDF: 647392.4/37



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -457.270+/-1964.589 χ^2/NDF:26.3/19

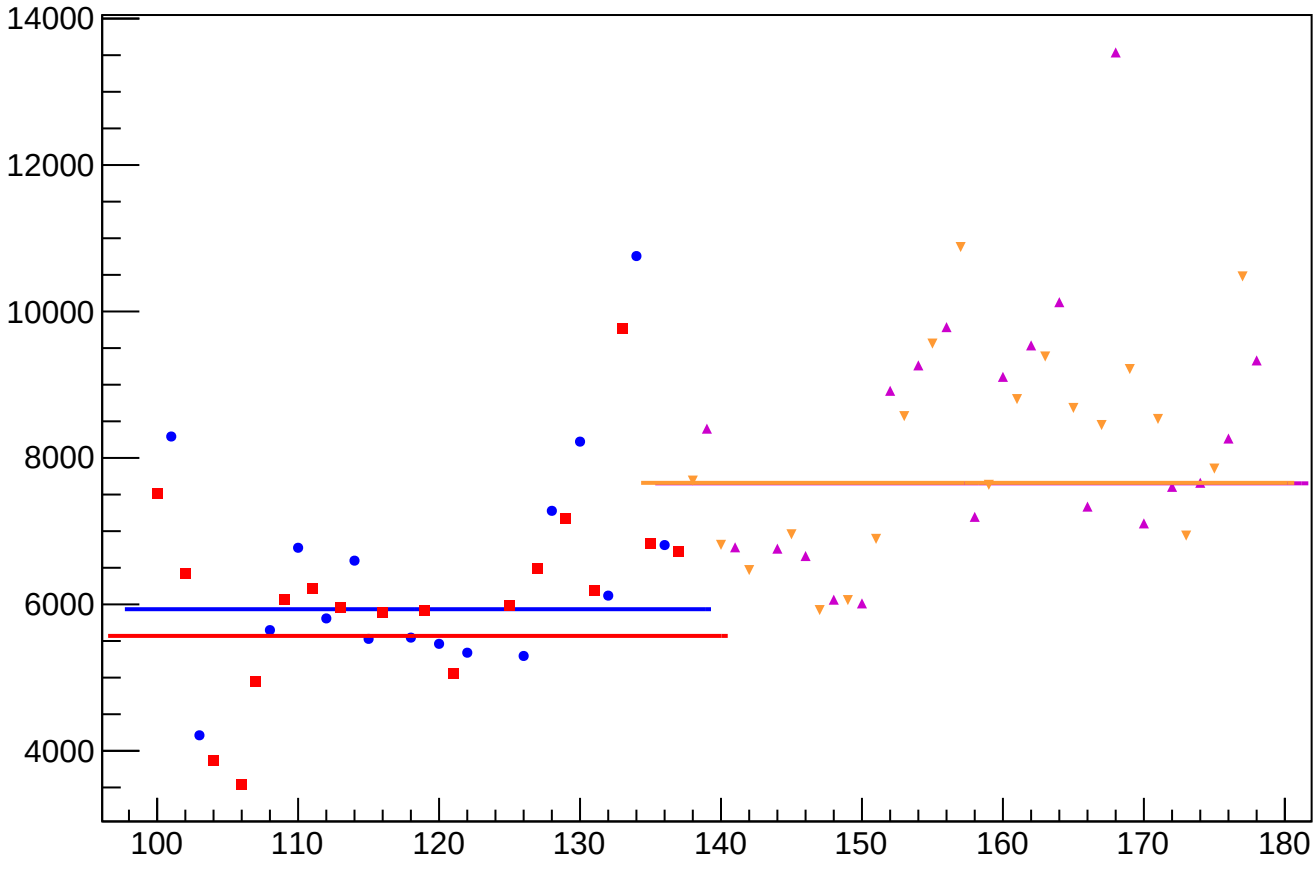
Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: 783.297+/-1932.741 χ^2/NDF:11.9/19

+ sign 421.435+/-1483.895 χ^2/NDF: 41.0/35

All: 435.430+/-1030.526 χ^2/NDF: 69.4/73

- sign 448.467+/-1432.245 χ^2/NDF: 28.4/37



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7659.830+/-1.389 χ^2/NDF:884410.0/19

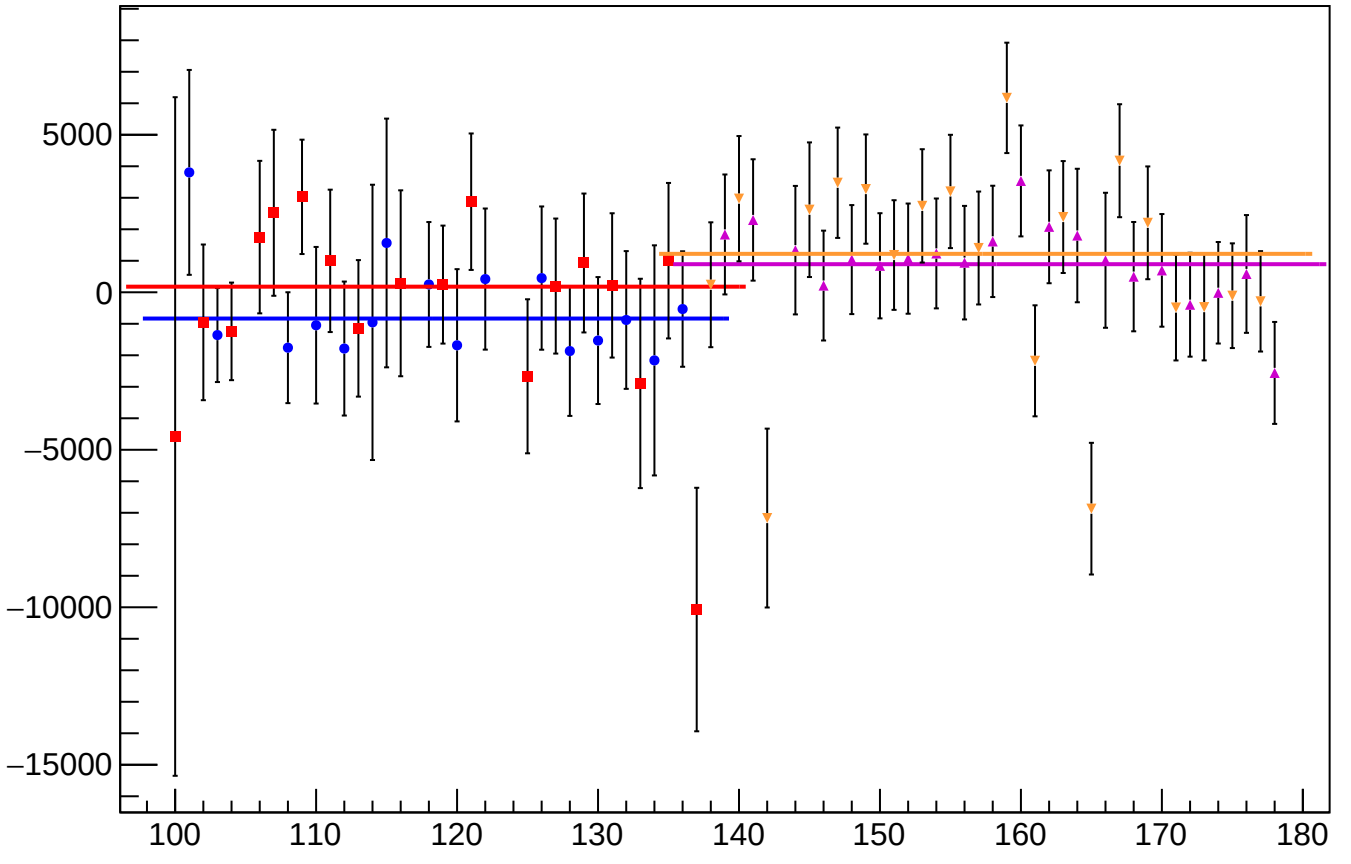
Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7653.138+/-1.367 χ^2/NDF:1104820.8/19

+ sign 6918.692+/-1.049 χ^2/NDF: 2200214.2/35

All: 6812.601+/-0.729 χ^2/NDF: 5096730.3/73

- sign 6713.767+/-1.013 χ^2/NDF: 2876769.2/37



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1220.154+/-406.720 χ^2/NDF:48.9/19

Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

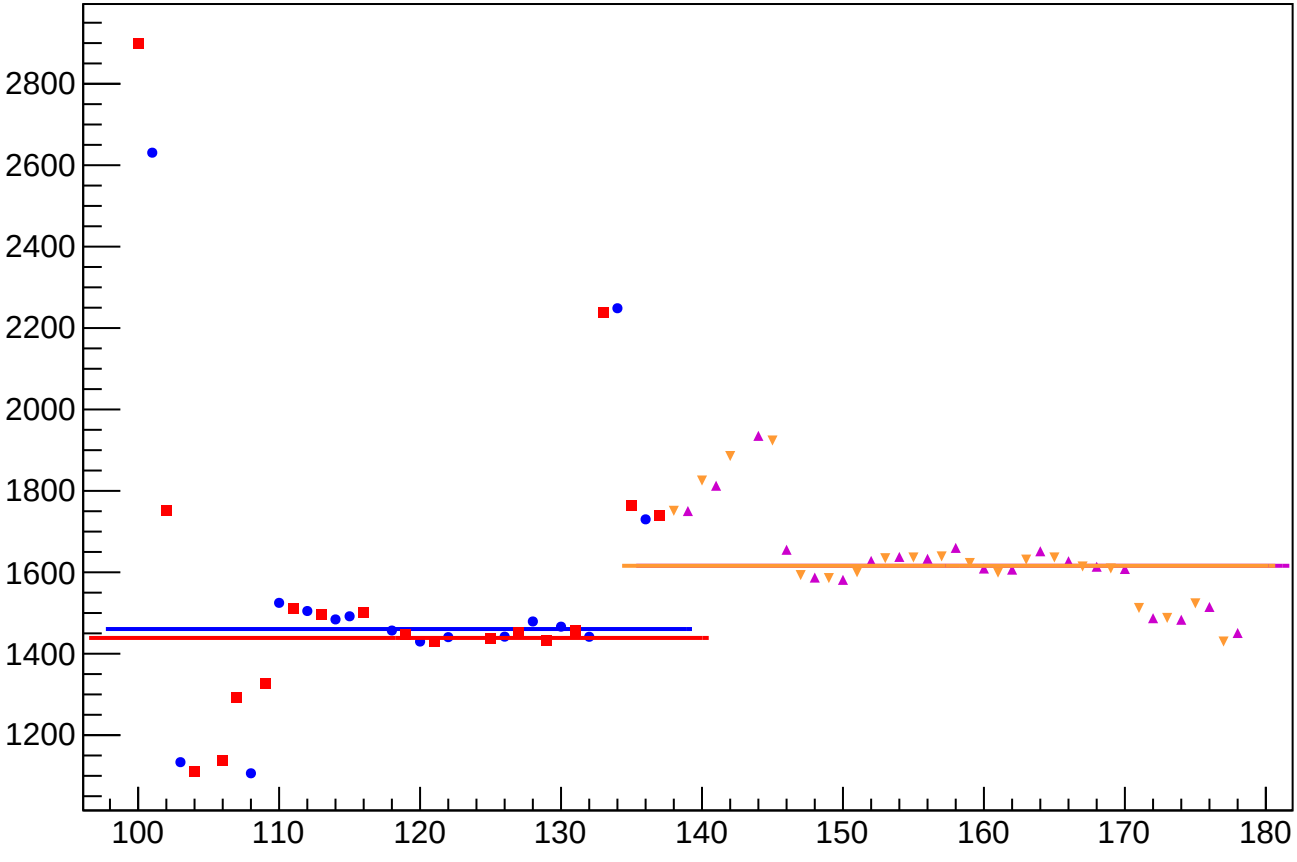
Left In: 891.782+/-400.621 χ^2/NDF:9.6/19

+ sign 502.316+/-328.025 χ^2/NDF: 62.4/35

All: 573.719+/-230.288 χ^2/NDF: 89.7/73

- sign 643.113+/-323.377 χ^2/NDF: 27.2/37

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: 1616.002+/-0.288 χ^2/NDF:145993.3/19

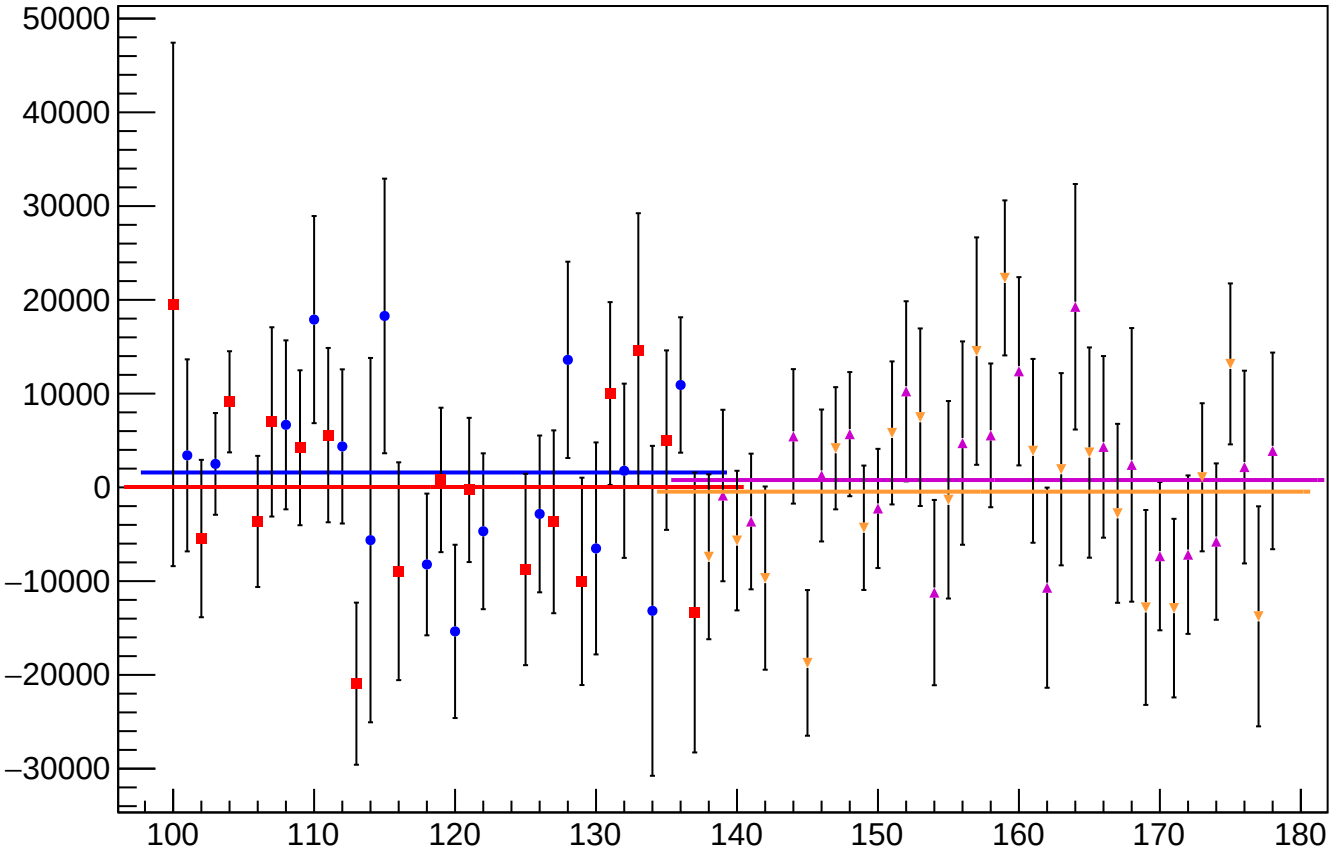
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1616.030+/-0.283 χ^2/NDF:137167.2/19

+ sign 1561.702+/-0.232 χ^2/NDF: 823716.9/35

All: 1557.833+/-0.163 χ^2/NDF: 1471657.8/73

- sign 1554.078+/-0.228 χ^2/NDF: 647392.4/37



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -457.270+/-1964.589 χ^2/NDF:26.3/19

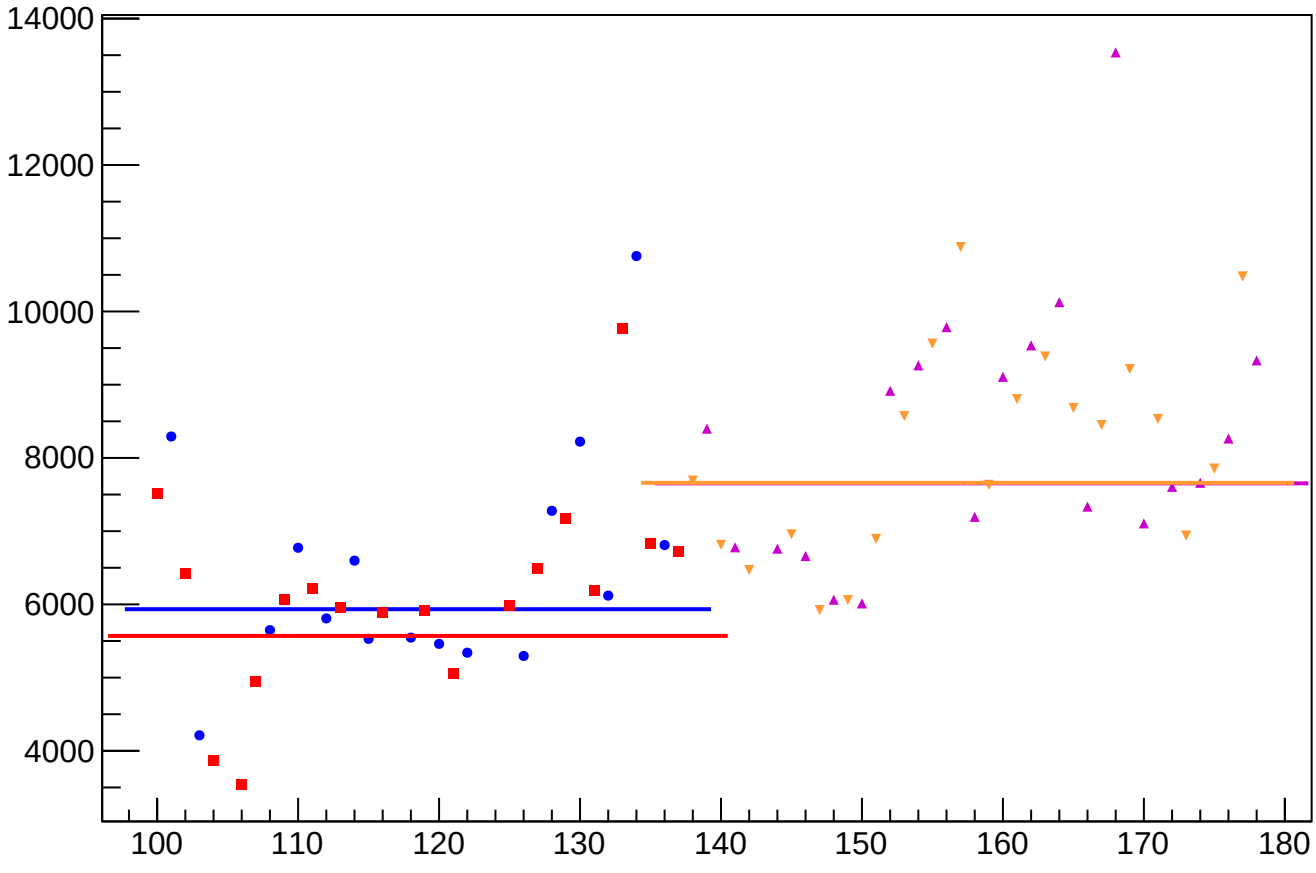
Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: 783.297+/-1932.741 χ^2/NDF:11.9/19

\+ sign 421.435+/-1483.895 χ^2/NDF: 41.0/35

All: 435.430+/-1030.526 χ^2/NDF: 69.4/73

\- sign 448.467+/-1432.245 χ^2/NDF: 28.4/37



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7659.830+/-1.389 χ^2/NDF:884410.0/19

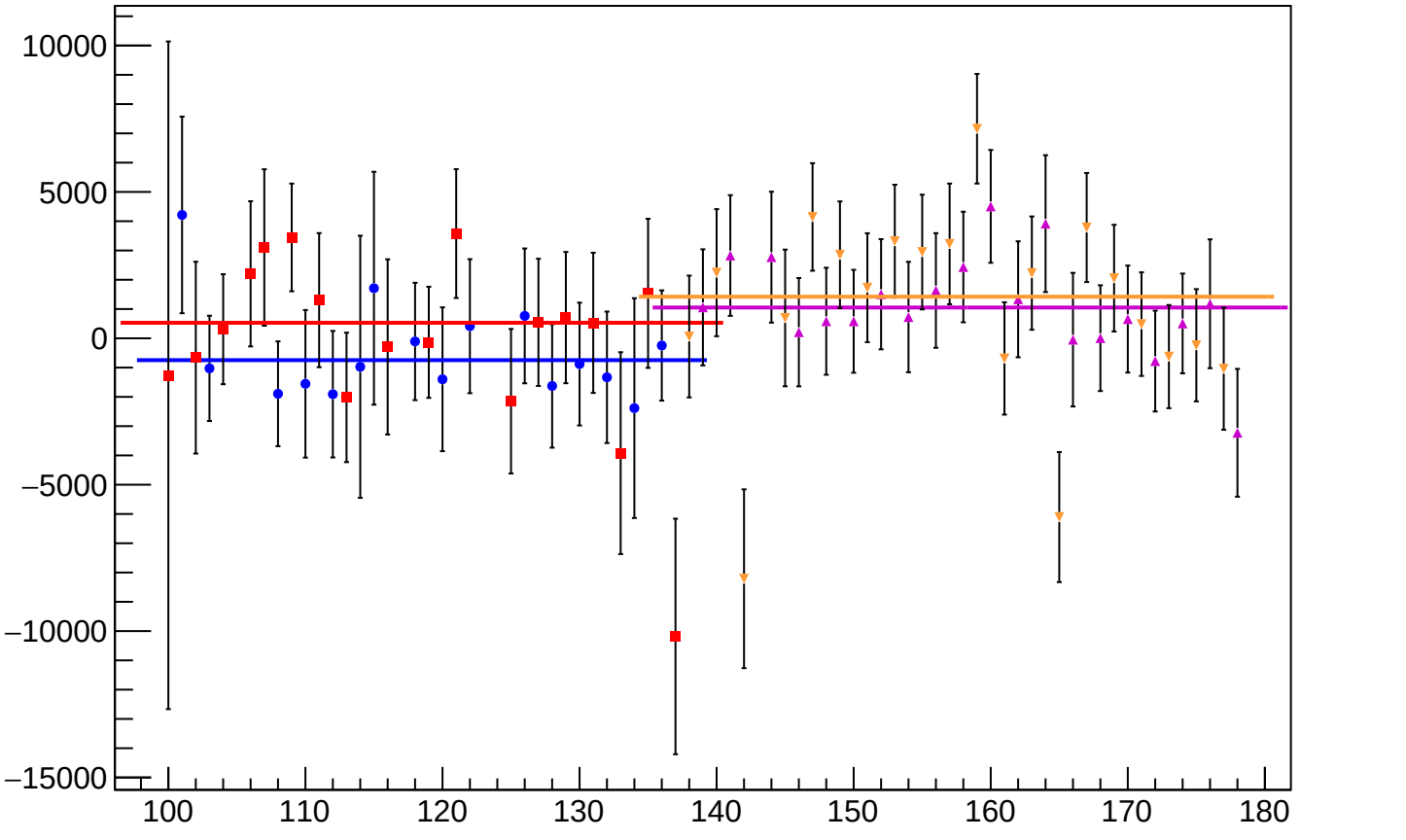
Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7653.138+/-1.367 χ^2/NDF:1104820.8/19

+ sign 6918.692+/-1.049 χ^2/NDF: 2200214.2/35

All: 6812.601+/-0.729 χ^2/NDF: 5096730.3/73

- sign 6713.767+/-1.013 χ^2/NDF: 2876769.2/37



Right In: -745.914+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1422.207+/-440.781 χ^2/NDF:43.6/19

Right Out: 531.292+/-575.115 χ^2/NDF: 17.7/17

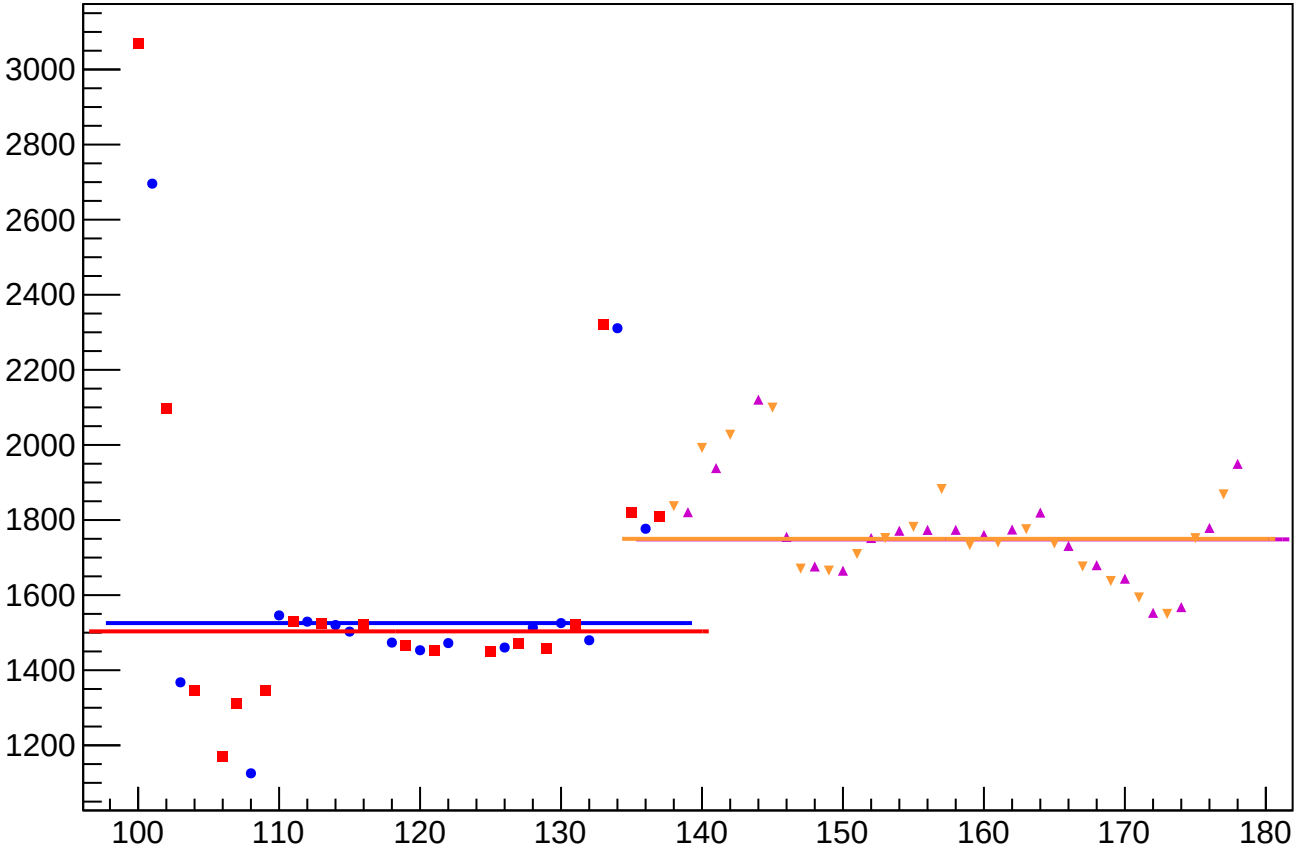
Left In: 1052.336+/-433.851 χ^2/NDF:12.8/19

+ sign 625.089+/-350.510 χ^2/NDF: 57.2/35

All: 745.647+/-246.365 χ^2/NDF: 88.5/73

- sign 863.362+/-346.353 χ^2/NDF: 31.1/37

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1749.876+/-0.312 χ^2/NDF:166598.2/19

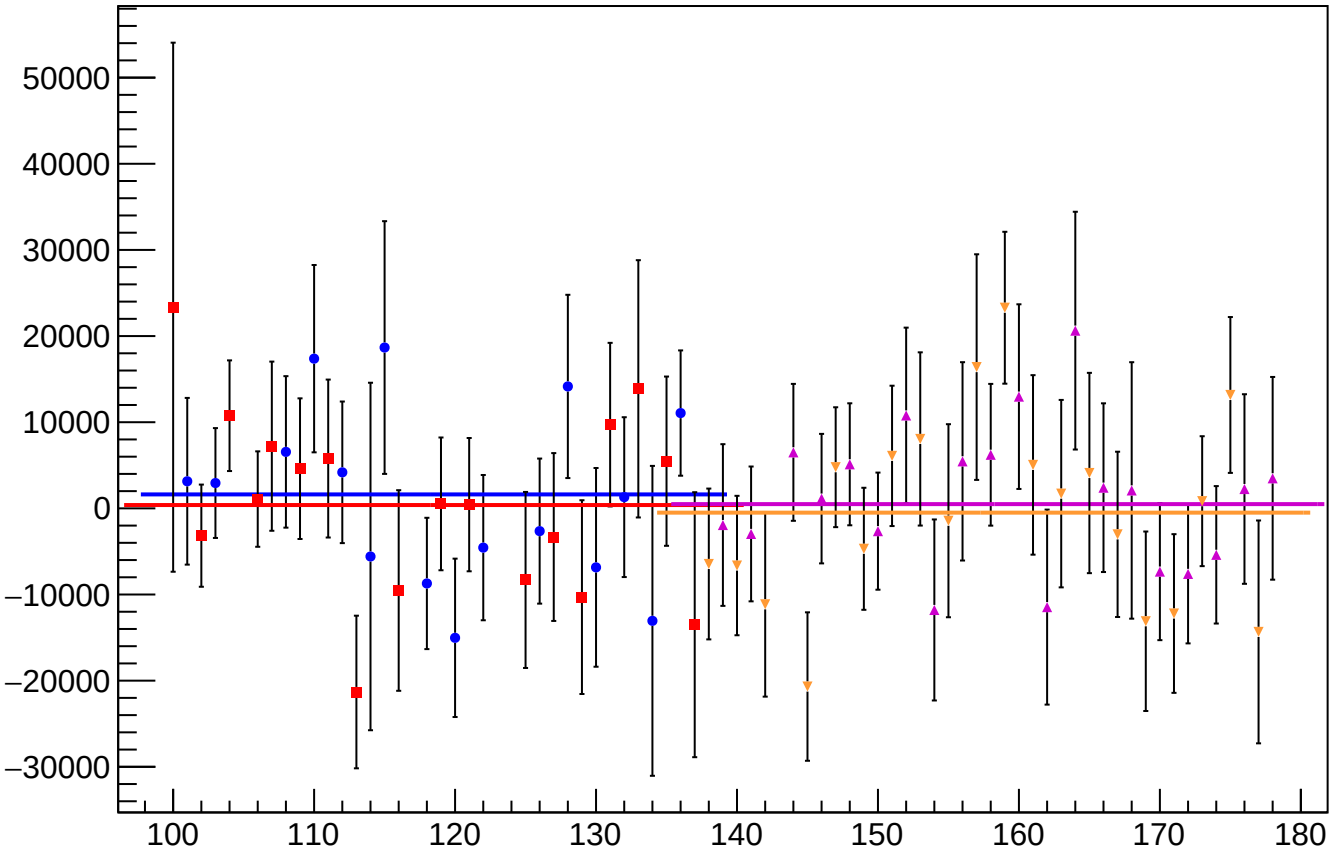
Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1748.490+/-0.307 χ^2/NDF:161205.6/19

+ sign 1667.396+/-0.248 χ^2/NDF: 845400.9/35

All: 1663.441+/-0.174 χ^2/NDF: 1577125.2/73

- sign 1659.579+/-0.245 χ^2/NDF: 731220.9/37



Right In: 1620.058+/-2320.032 χ^2/NDF: 14.3/15

Left Out: -497.332+/-2060.951 χ^2/NDF:25.9/19

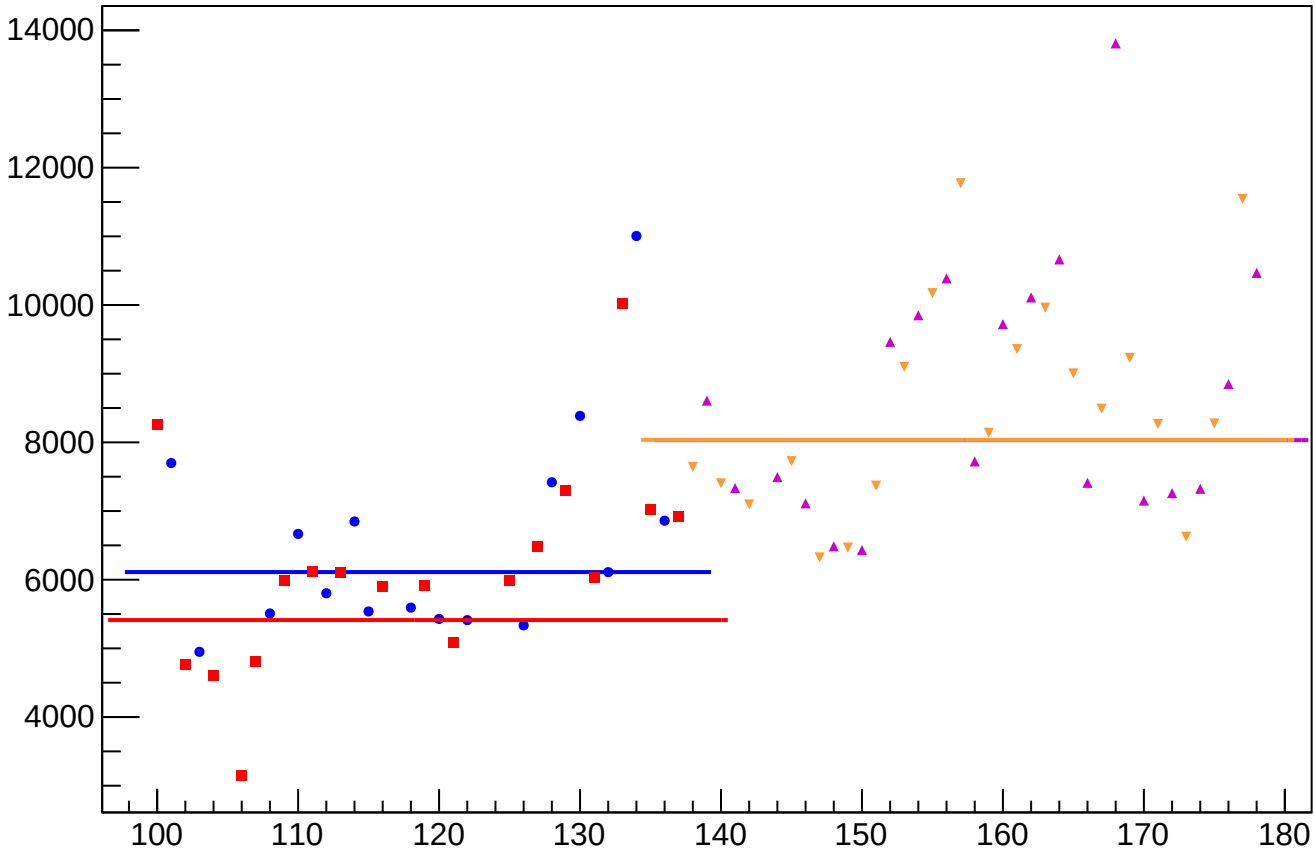
Right Out: 385.942+/-2060.867 χ^2/NDF: 16.0/17

Left In: 492.902+/-2029.142 χ^2/NDF:11.8/19

\+ sign 436.582+/-1540.803 χ^2/NDF: 40.6/35

All: 438.533+/-1054.363 χ^2/NDF: 68.4/73

\- sign 440.252+/-1445.906 χ^2/NDF: 27.8/37



Right In: 6111.037+/-1.641 χ^2/NDF: 471661.4/15

Left Out: 8036.576+/-1.457 χ^2/NDF:884332.9/19

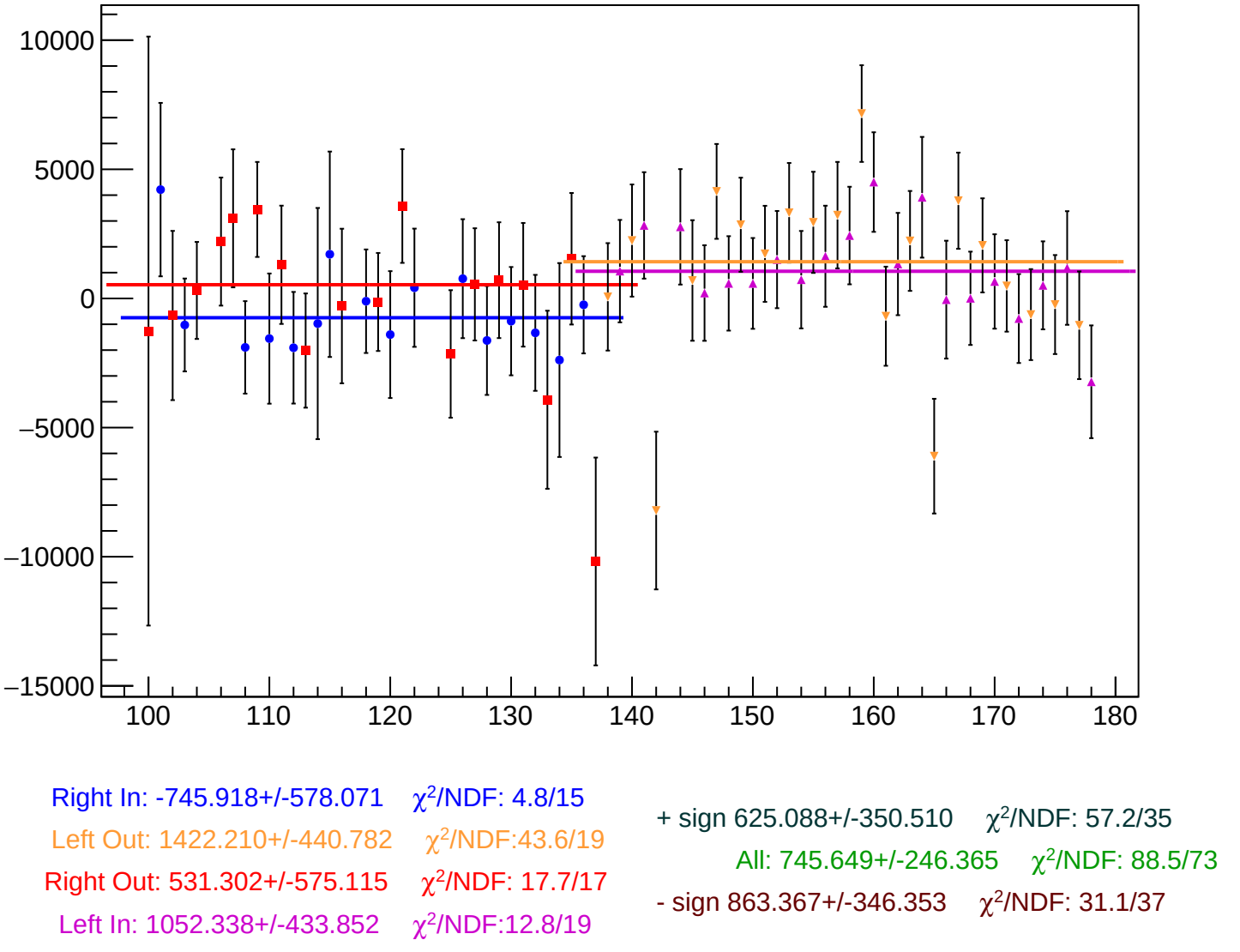
Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 8032.599+/-1.435 χ^2/NDF:1109391.6/19

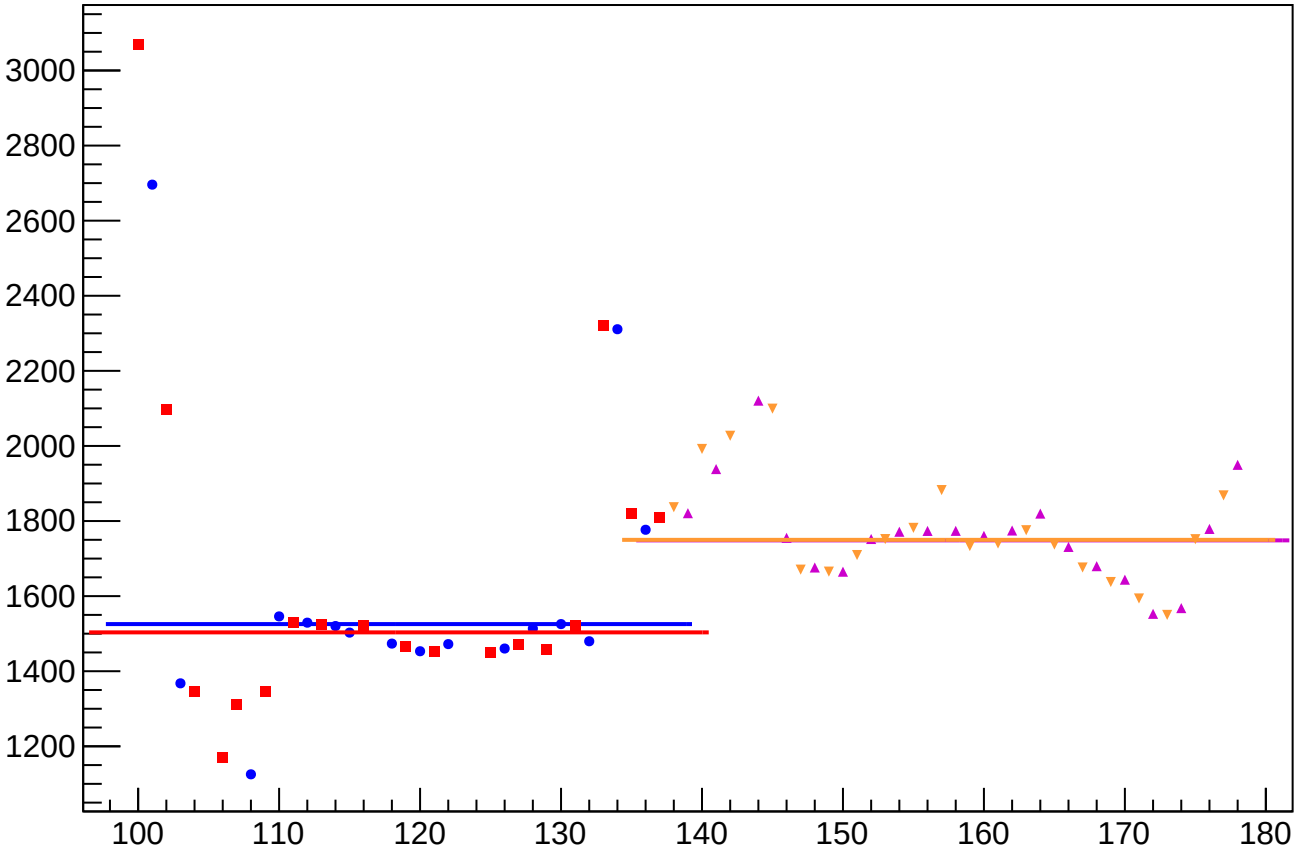
+ sign 7187.281+/-1.090 χ^2/NDF: 2126020.6/35

All: 6950.912+/-0.746 χ^2/NDF: 5787162.4/73

- sign 6742.762+/-1.022 χ^2/NDF: 3572626.6/37


eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs Slug
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: -745.918+/-578.071 χ²/NDF: 4.8/15
Left Out: 1422.210+/-440.782 χ²/NDF:43.6/19
Right Out: 531.302+/-575.115 χ²/NDF: 17.7/17
Left In: 1052.338+/-433.852 χ²/NDF:12.8/19
+ sign 625.088+/-350.510 χ²/NDF: 57.2/35
All: 745.649+/-246.365 χ²/NDF: 88.5/73
- sign 863.367+/-346.353 χ²/NDF: 31.1/37

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: 1749.878+/-0.312 χ^2/NDF:166604.7/19

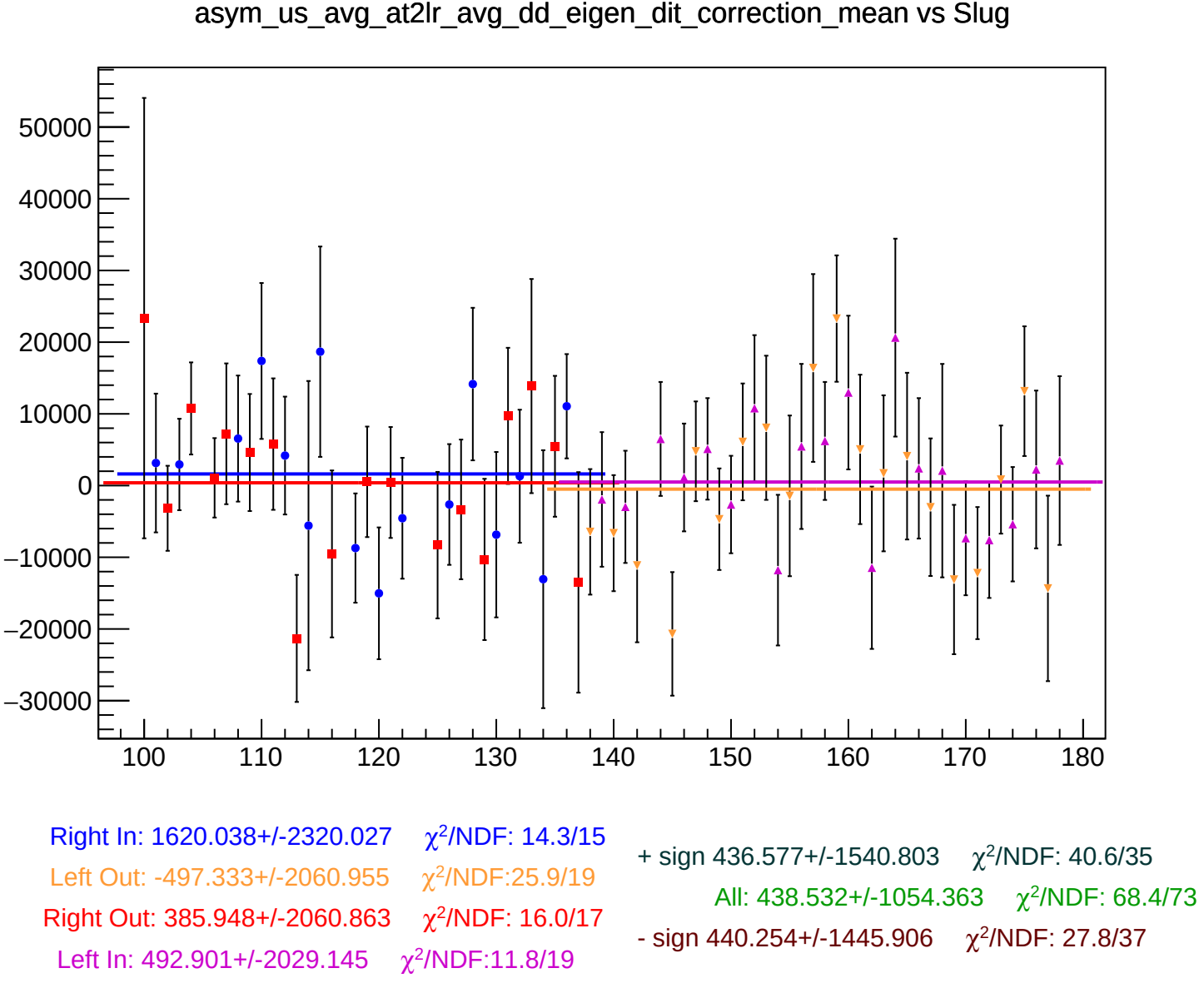
Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

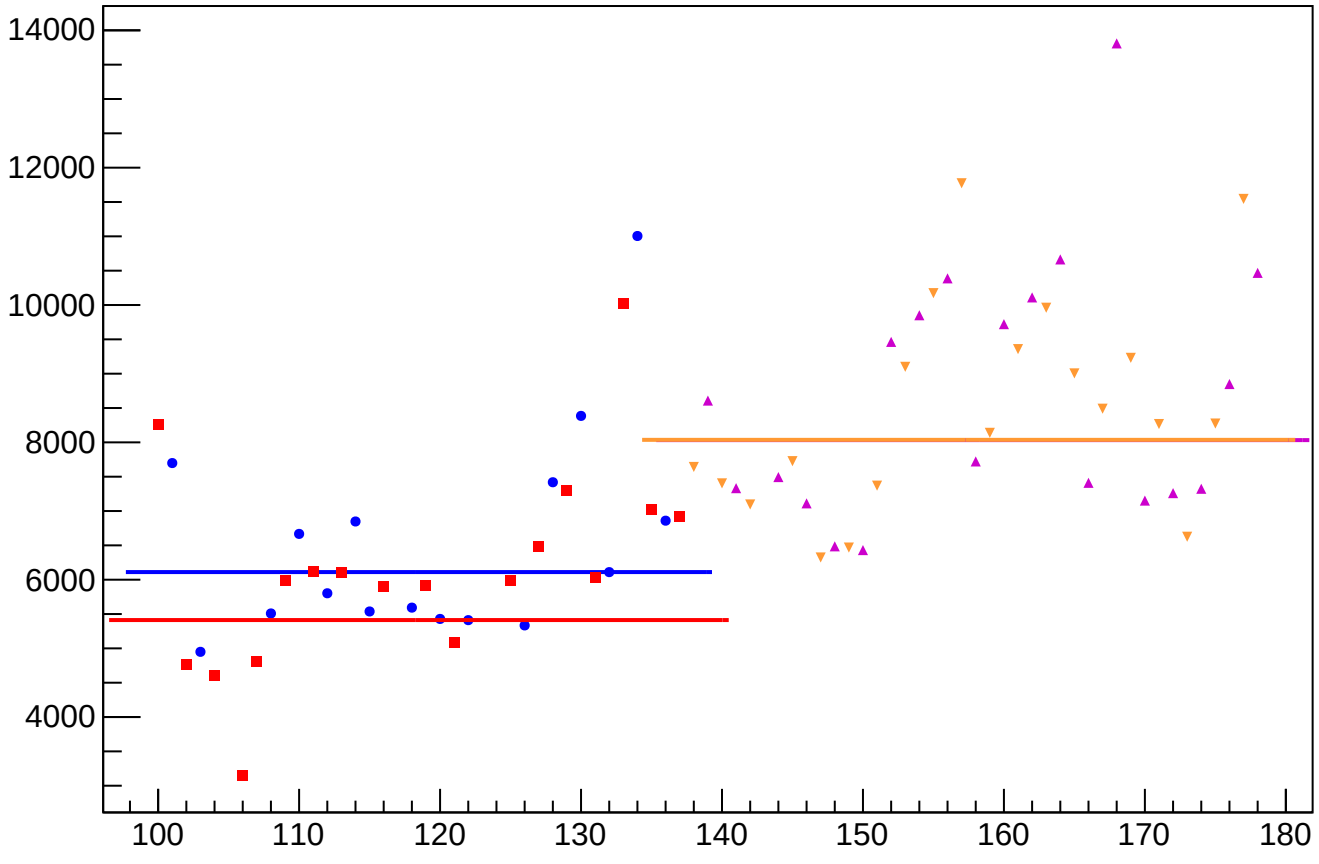
Left In: 1748.492+/-0.307 χ^2/NDF:161212.5/19

+ sign 1667.398+/-0.248 χ^2/NDF: 845410.3/35

All: 1663.442+/-0.174 χ^2/NDF: 1577145.8/73

- sign 1659.581+/-0.245 χ^2/NDF: 731232.2/37


asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
Right In: 1620.038+/-2320.027 χ²/NDF: 14.3/15
Left Out: -497.333+/-2060.955 χ²/NDF:25.9/19
Right Out: 385.948+/-2060.863 χ²/NDF: 16.0/17
Left In: 492.901+/-2029.145 χ²/NDF:11.8/19
+ sign 436.577+/-1540.803 χ²/NDF: 40.6/35
All: 438.532+/-1054.363 χ²/NDF: 68.4/73
- sign 440.254+/-1445.906 χ²/NDF: 27.8/37



Right In: 6111.023+/-1.641 χ^2/NDF: 471663.6/15

Left Out: 8036.589+/-1.457 χ^2/NDF:884334.1/19

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

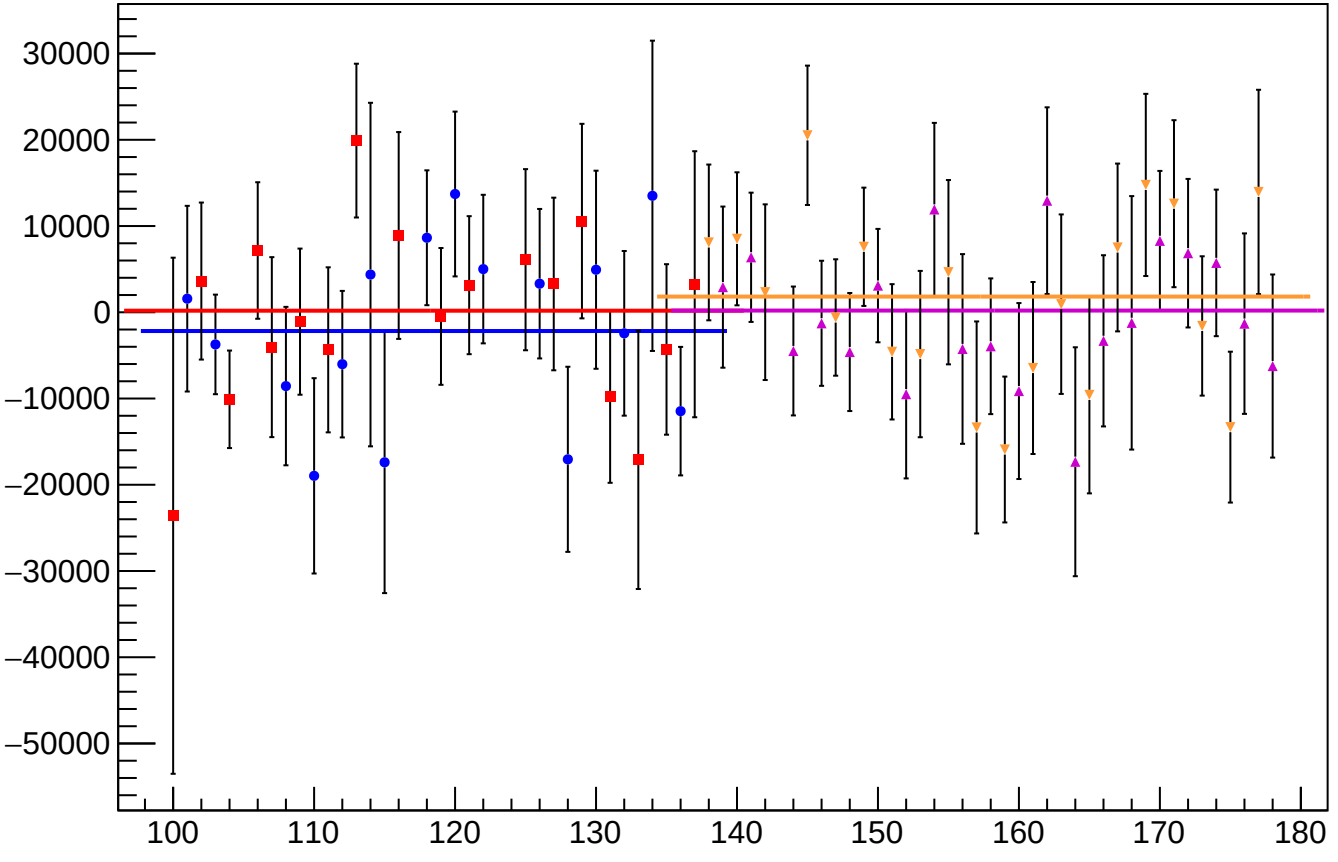
Left In: 8032.611+/-1.435 χ^2/NDF:1109394.6/19

+ sign 7187.279+/-1.090 χ^2/NDF: 2126045.5/35

All: 6950.909+/-0.746 χ^2/NDF: 5787221.0/73

- sign 6742.757+/-1.022 χ^2/NDF: 3572659.6/37

asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -2174.048+/-2347.664 χ^2/NDF: 14.6/15

Left Out: 1818.469+/-2015.094 χ^2/NDF:23.6/19

Right Out: 183.559+/-2228.883 χ^2/NDF: 14.7/17

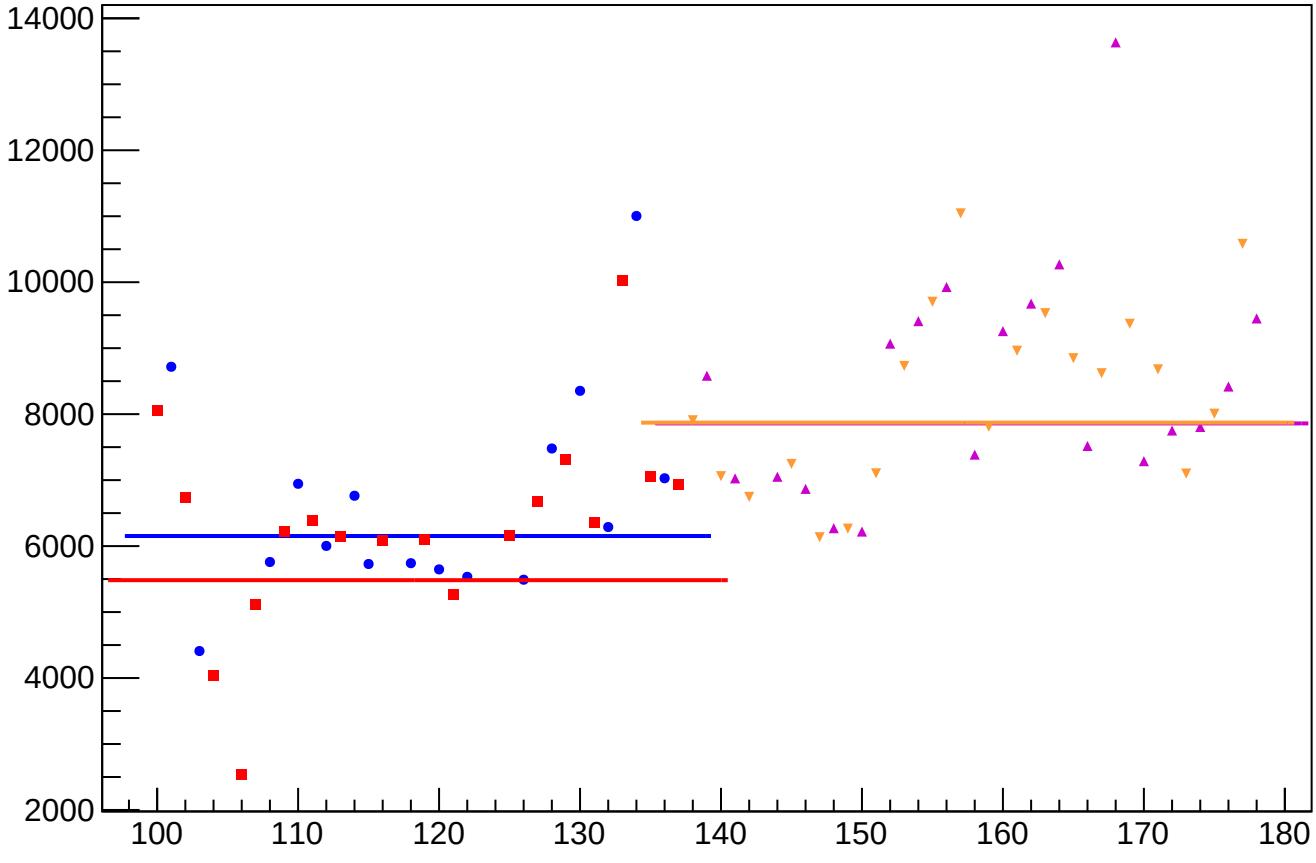
Left In: 199.590+/-1981.629 χ^2/NDF:11.2/19

\+ sign 124.799+/-1529.068 χ^2/NDF: 39.8/35

All: 159.738+/-1063.797 χ^2/NDF: 65.7/73

\- sign 192.513+/-1480.956 χ^2/NDF: 25.8/37

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 6152.690+/-1.660 χ^2/NDF: 624026.7/15

Left Out: 7871.150+/-1.425 χ^2/NDF:806781.1/19

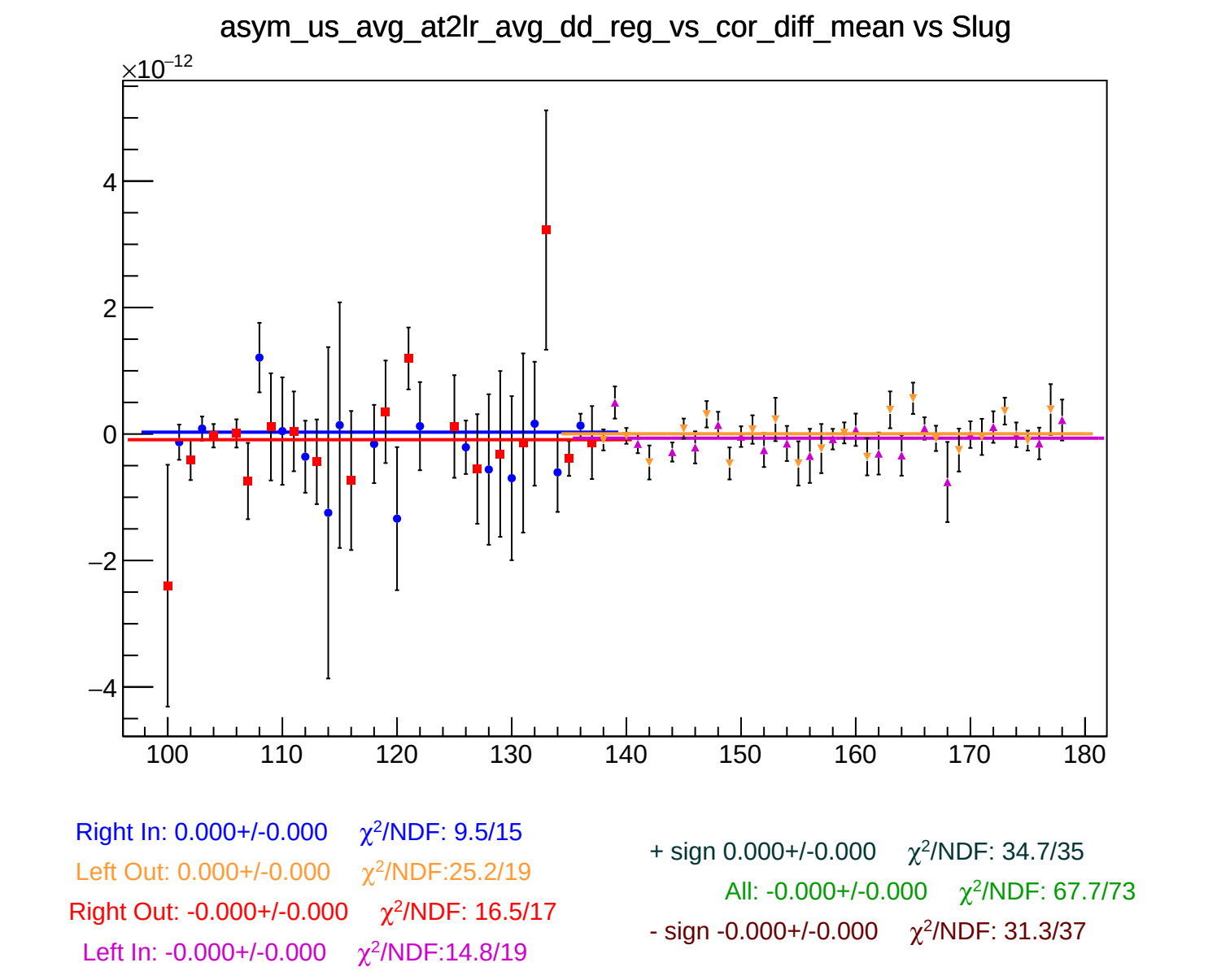
Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

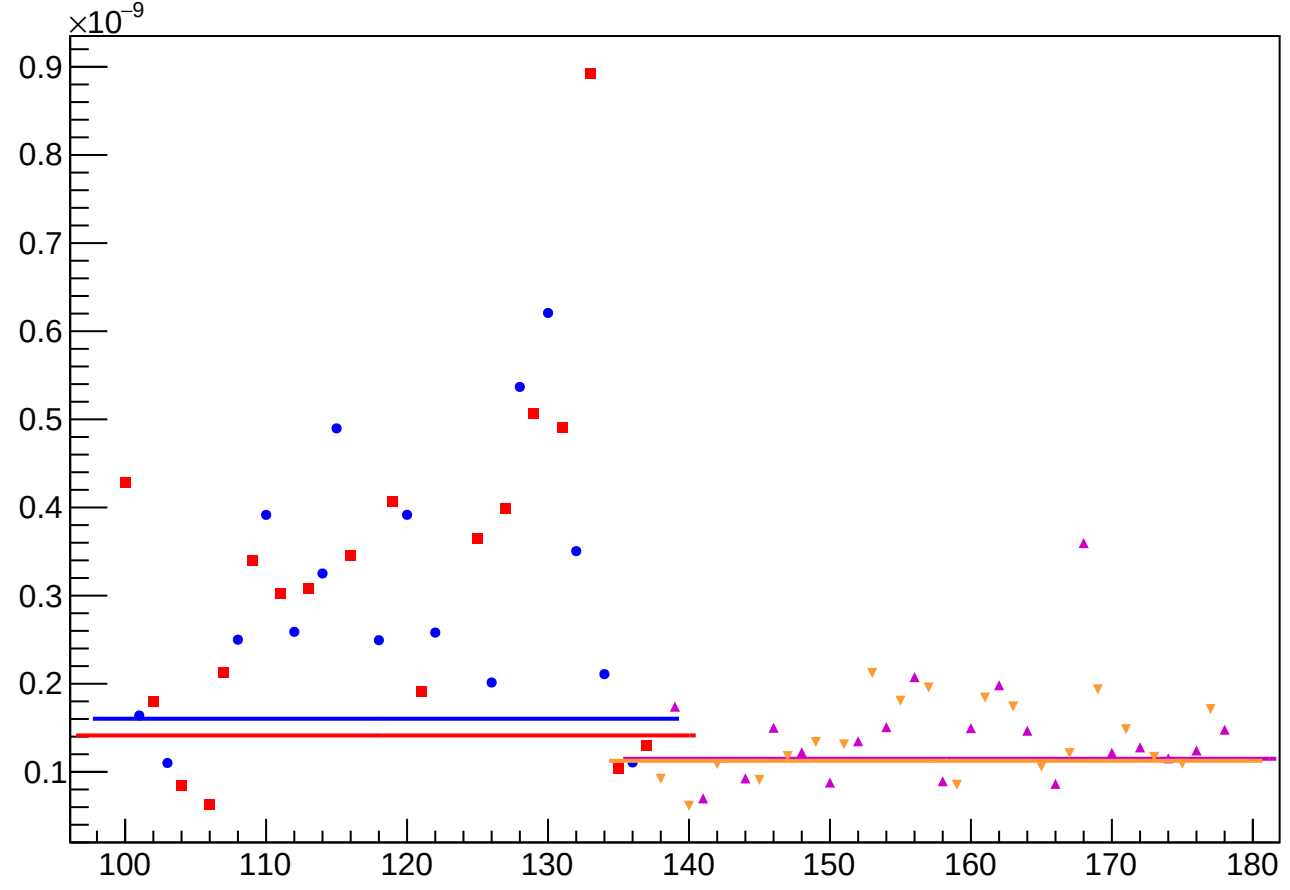
Left In: 7859.705+/-1.401 χ^2/NDF:1018083.2/19

+ sign 7142.155+/-1.081 χ^2/NDF: 2047833.6/35

All: 6945.793+/-0.746 χ^2/NDF: 5599385.6/73

- sign 6767.565+/-1.030 χ^2/NDF: 3488631.6/37


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
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 9.5/15
Left Out: 0.000+/-0.000 χ²/NDF:25.2/19
Right Out: -0.000+/-0.000 χ²/NDF: 16.5/17
Left In: -0.000+/-0.000 χ²/NDF:14.8/19
+ sign 0.000+/-0.000 χ²/NDF: 34.7/35
All: -0.000+/-0.000 χ²/NDF: 67.7/73
- sign -0.000+/-0.000 χ²/NDF: 31.3/37



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1224931.9/19

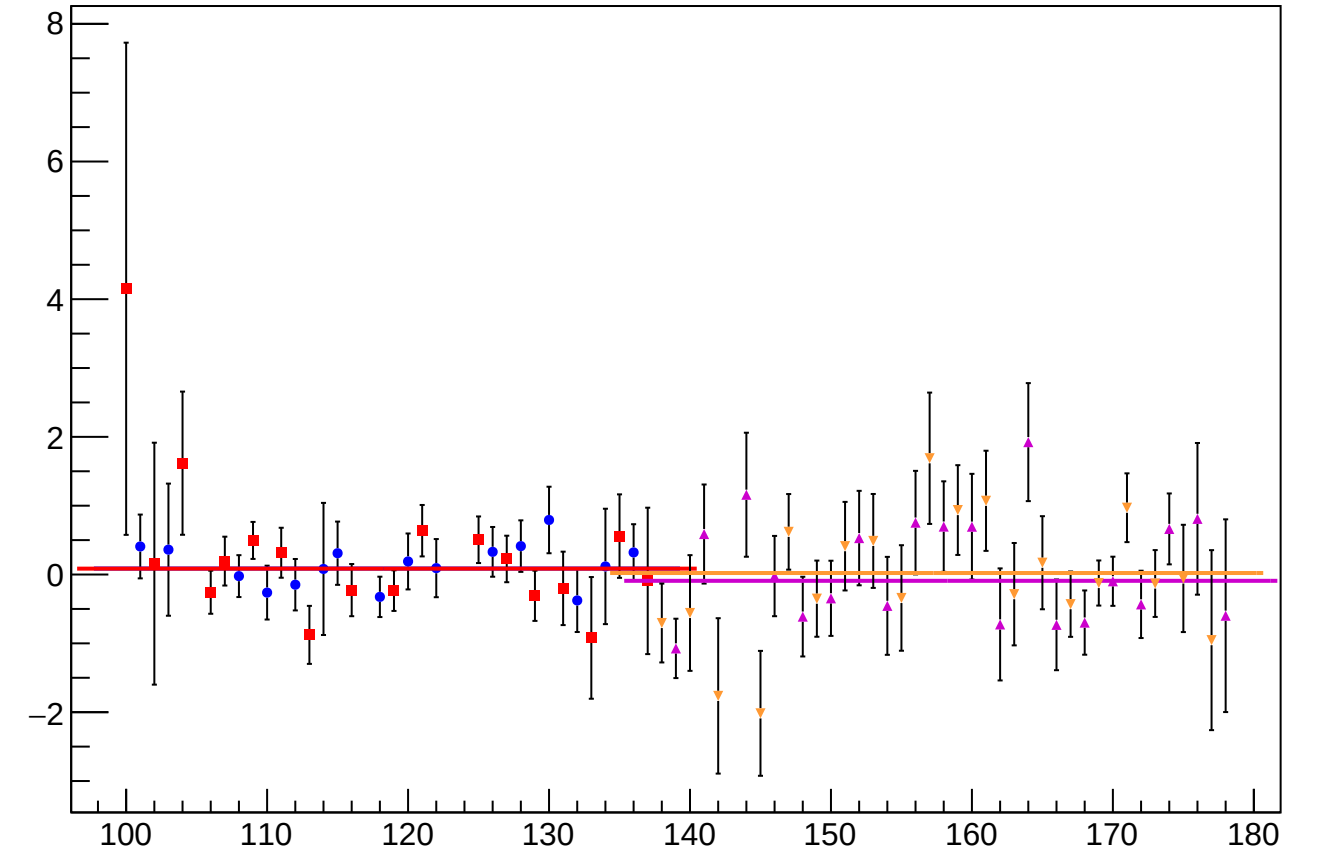
Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1184412.4/19

+ sign 0.000+/-0.000 χ^2/NDF: 2902717.4/35

All: 0.000+/-0.000 χ^2/NDF: 6362021.8/73

- sign 0.000+/-0.000 χ^2/NDF: 3458511.2/37



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.022+/-0.138 χ^2/NDF:25.0/19

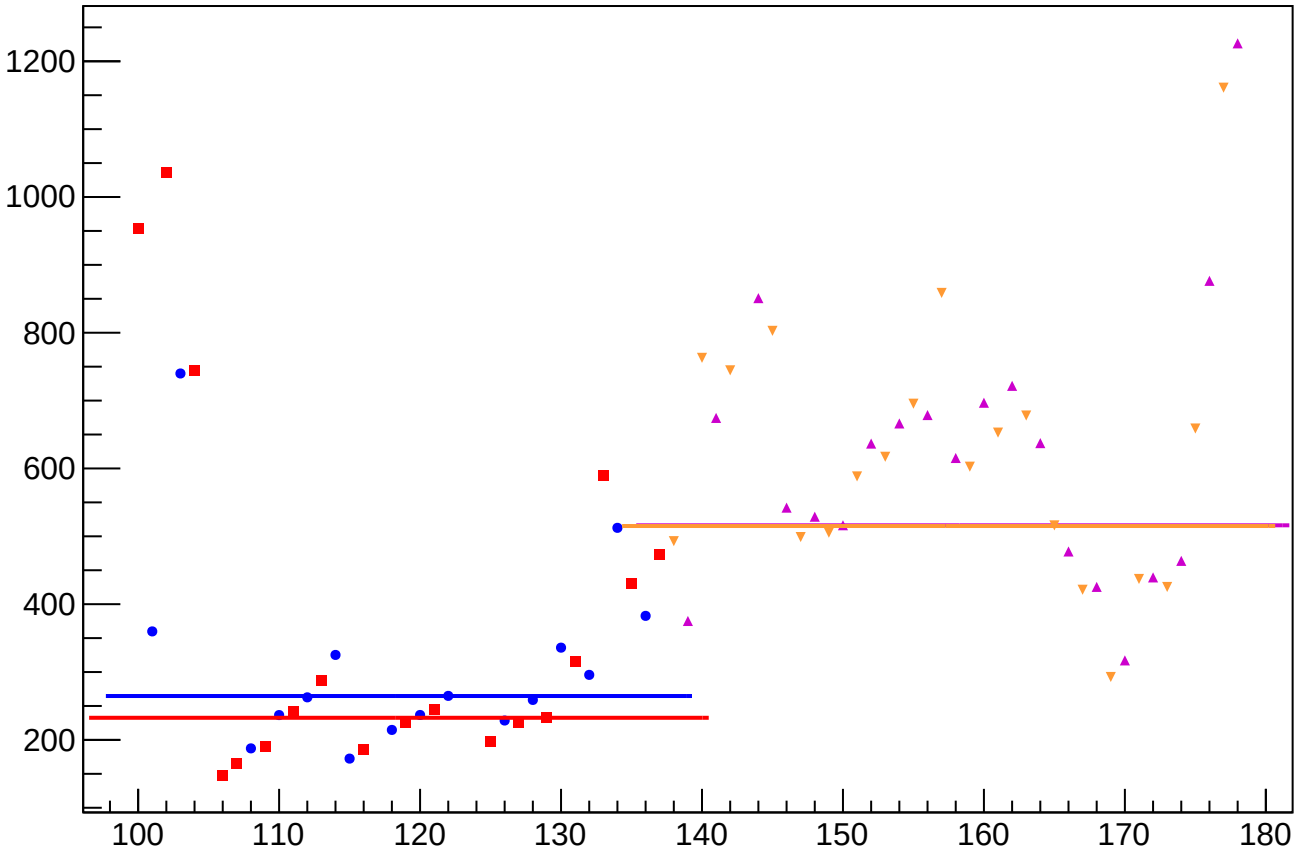
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.091+/-0.135 χ^2/NDF:26.1/19

+ sign 0.063+/-0.083 χ^2/NDF: 34.0/35

All: 0.043+/-0.057 χ^2/NDF: 83.1/73

- sign 0.025+/-0.079 χ^2/NDF: 49.0/37



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 515.175+/-0.097 χ^2/NDF:2780150.1/19

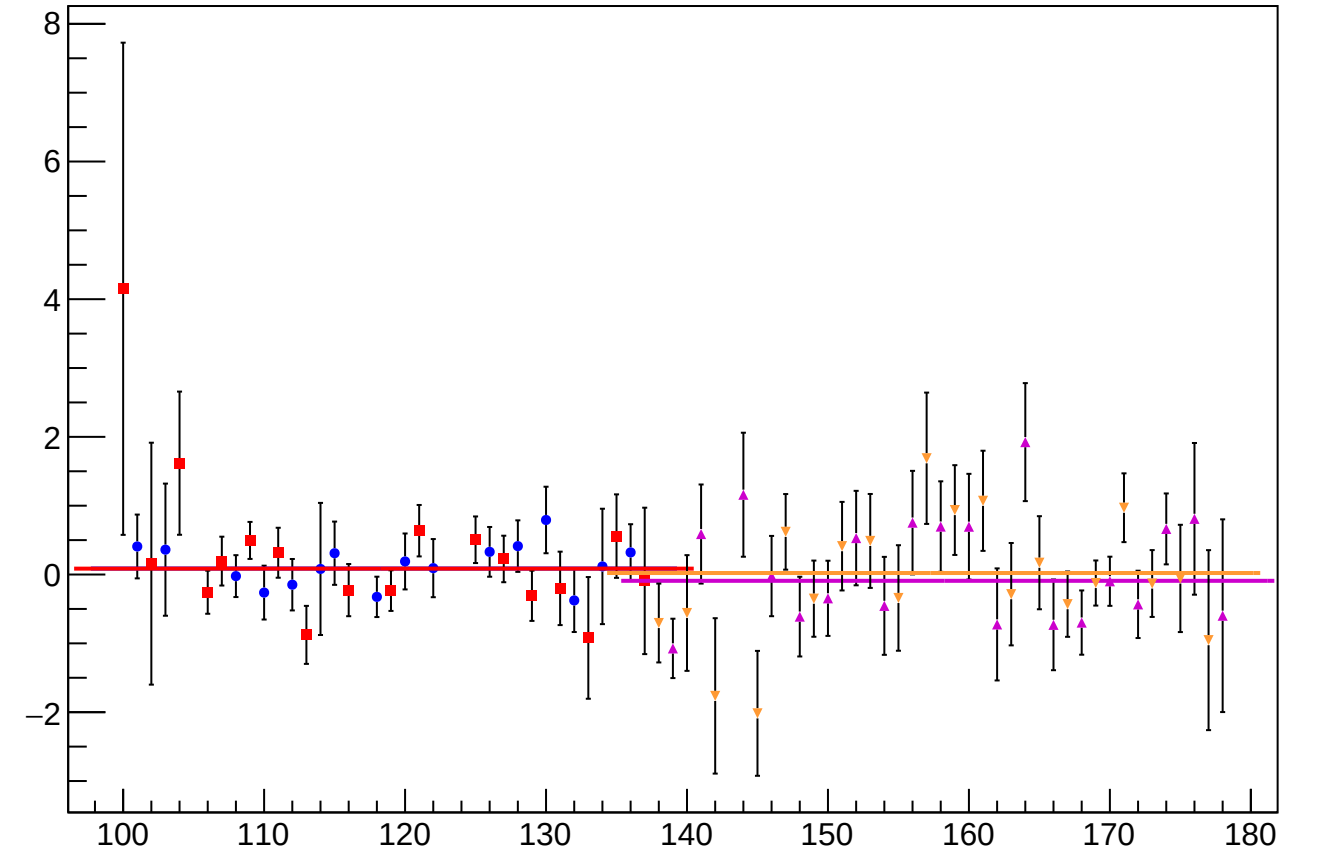
Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 516.220+/-0.096 χ^2/NDF:2661627.3/19

+ sign 357.010+/-0.059 χ^2/NDF: 8254306.4/35

All: 342.381+/-0.041 χ^2/NDF: 18853337.6/73

- sign 329.276+/-0.056 χ^2/NDF: 10482633.2/37



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.022+/-0.138 χ^2/NDF:25.0/19

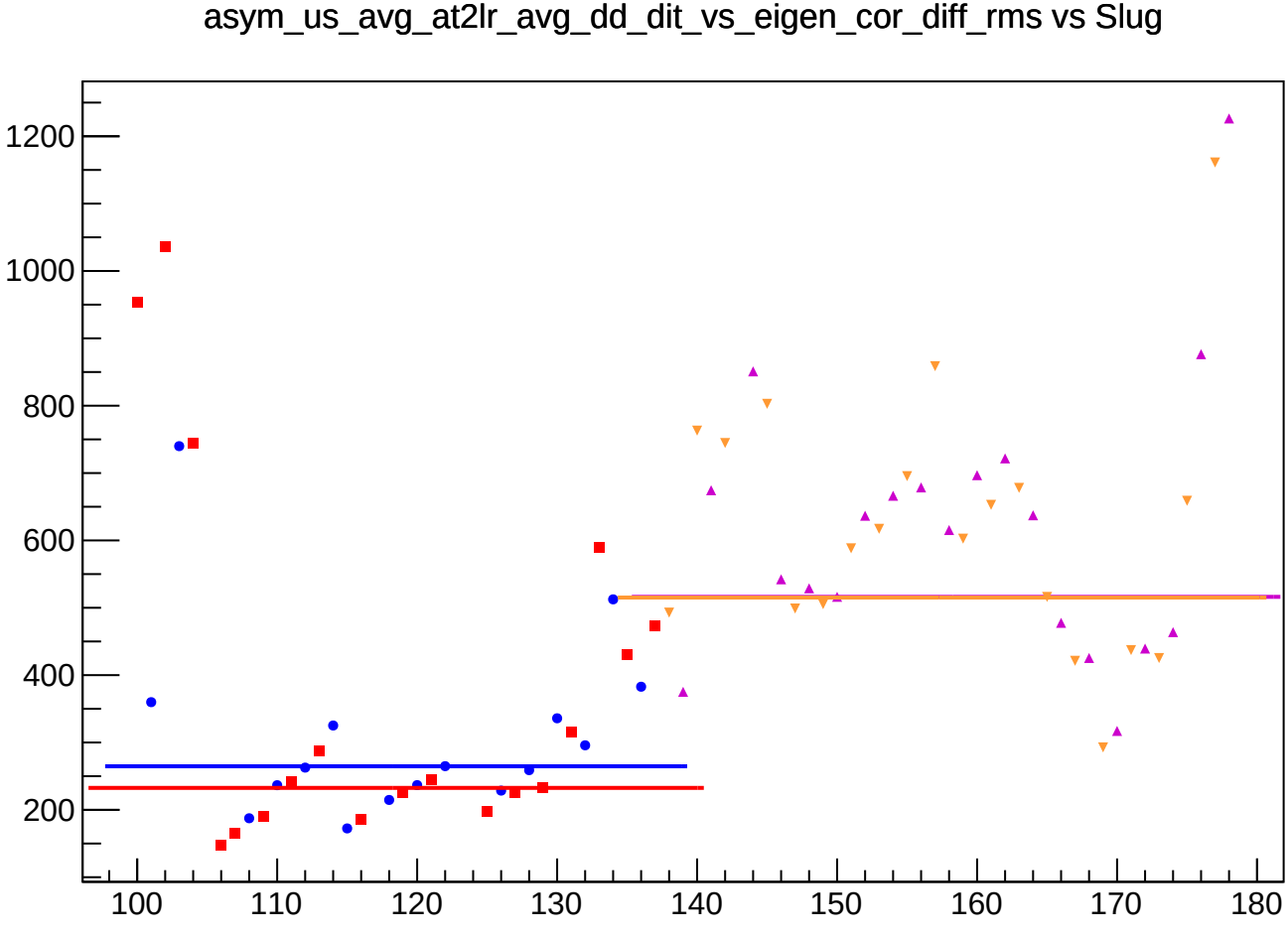
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

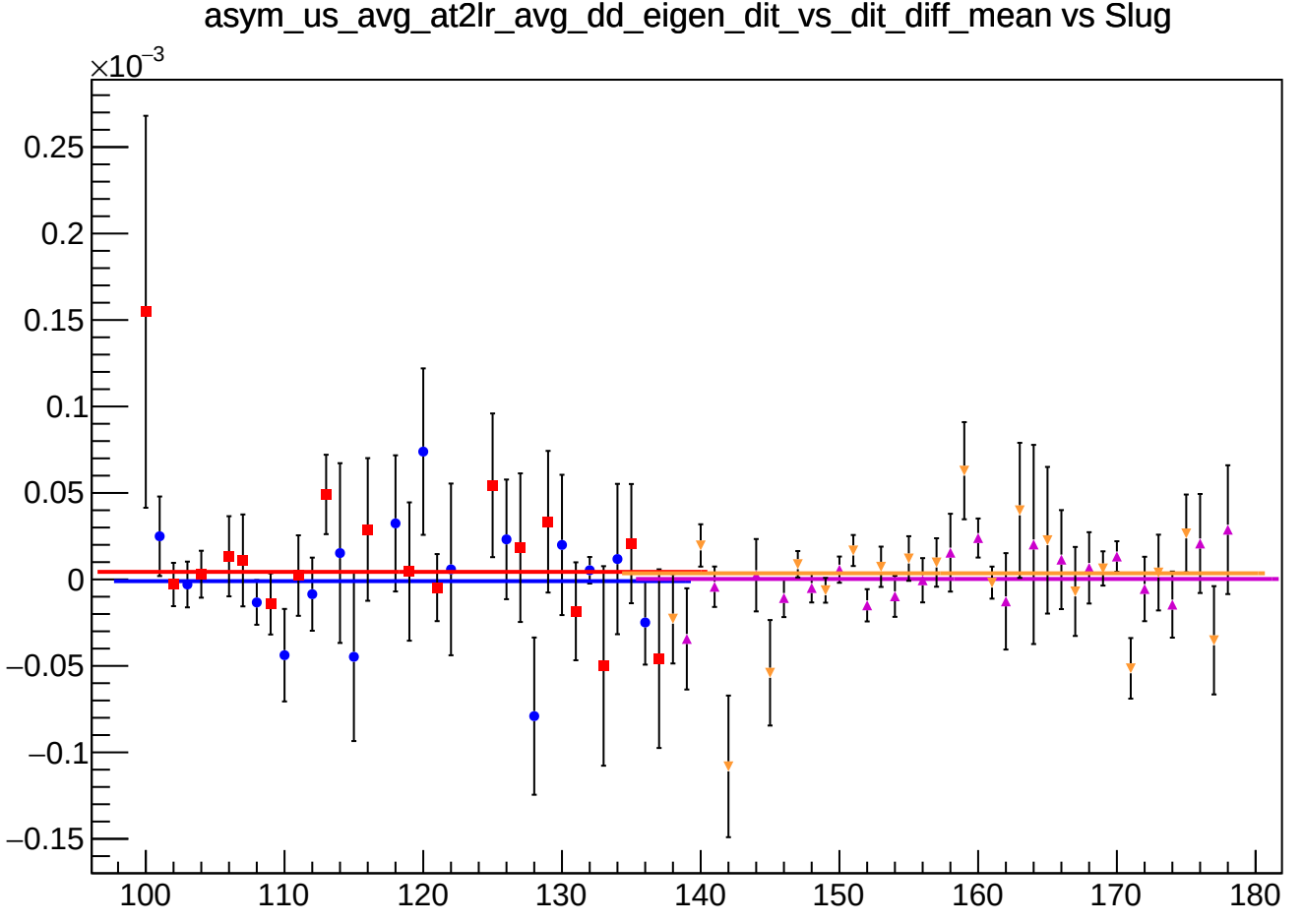
Left In: -0.091+/-0.135 χ^2/NDF:26.1/19

+ sign 0.063+/-0.083 χ^2/NDF: 34.0/35

All: 0.043+/-0.057 χ^2/NDF: 83.1/73

- sign 0.025+/-0.079 χ^2/NDF: 49.0/37


asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
Right In: 264.667+/-0.074 χ²/NDF: 1284007.6/15
Left Out: 515.175+/-0.097 χ²/NDF:2780150.1/19
Right Out: 232.596+/-0.069 χ²/NDF: 2032662.7/17
Left In: 516.220+/-0.096 χ²/NDF:2661627.3/19
+ sign 357.010+/-0.059 χ²/NDF: 8254306.4/35
All: 342.381+/-0.041 χ²/NDF: 18853337.6/73
- sign 329.276+/-0.056 χ²/NDF: 10482633.2/37



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:37.5/19

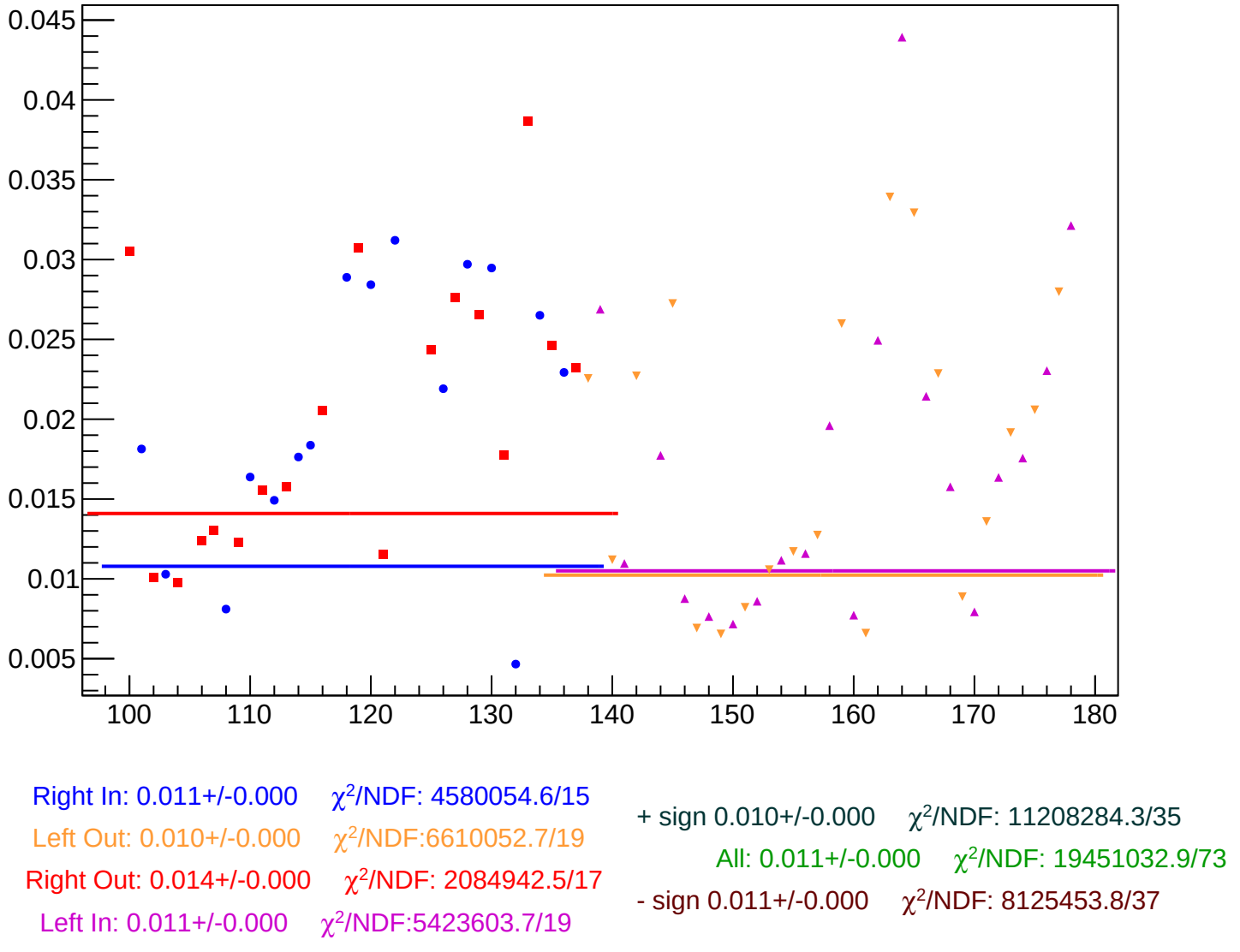
Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

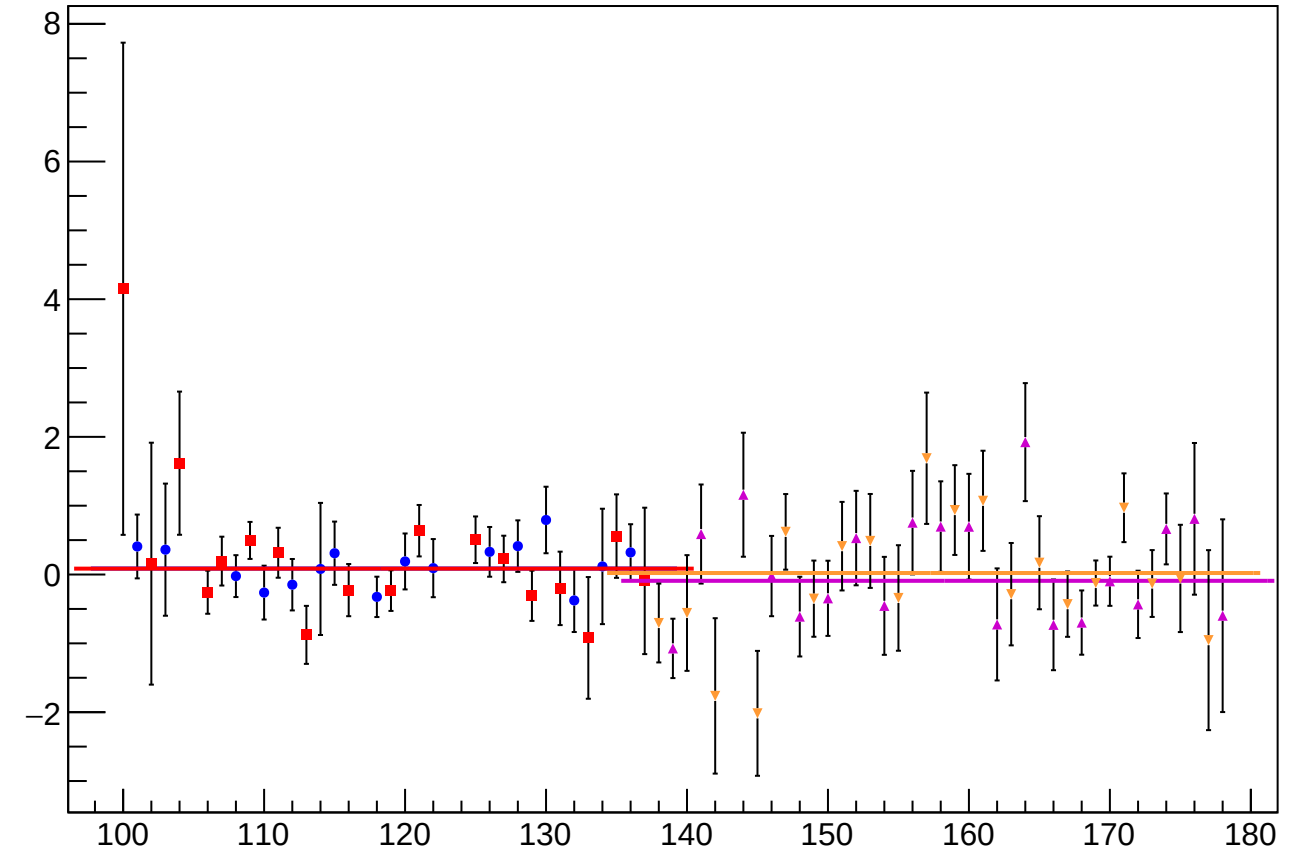
Left In: 0.000+/-0.000 χ^2/NDF:16.2/19

+ sign 0.000+/-0.000 χ^2/NDF: 52.5/35

All: 0.000+/-0.000 χ^2/NDF: 81.9/73

- sign 0.000+/-0.000 χ^2/NDF: 29.2/37


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
Right In: 0.011+/-0.000 χ²/NDF: 4580054.6/15
Left Out: 0.010+/-0.000 χ²/NDF:6610052.7/19
Right Out: 0.014+/-0.000 χ²/NDF: 2084942.5/17
Left In: 0.011+/-0.000 χ²/NDF:5423603.7/19
+ sign 0.010+/-0.000 χ²/NDF: 11208284.3/35
All: 0.011+/-0.000 χ²/NDF: 19451032.9/73
- sign 0.011+/-0.000 χ²/NDF: 8125453.8/37



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.022+/-0.138 χ^2/NDF:25.0/19

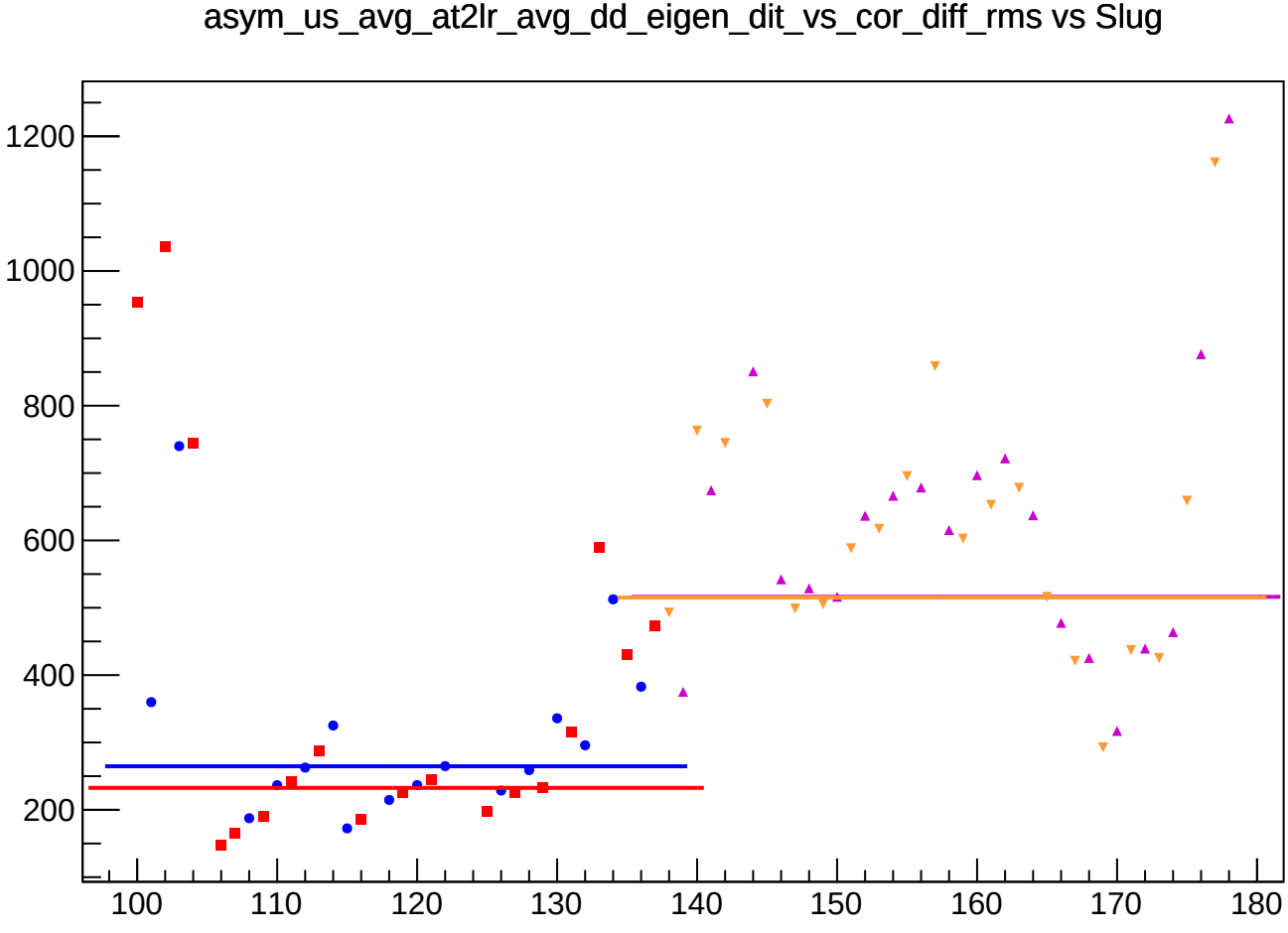
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.091+/-0.135 χ^2/NDF:26.1/19

+ sign 0.063+/-0.083 χ^2/NDF: 34.0/35

All: 0.043+/-0.057 χ^2/NDF: 83.1/73

- sign 0.025+/-0.079 χ^2/NDF: 49.0/37


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug
1200
1000
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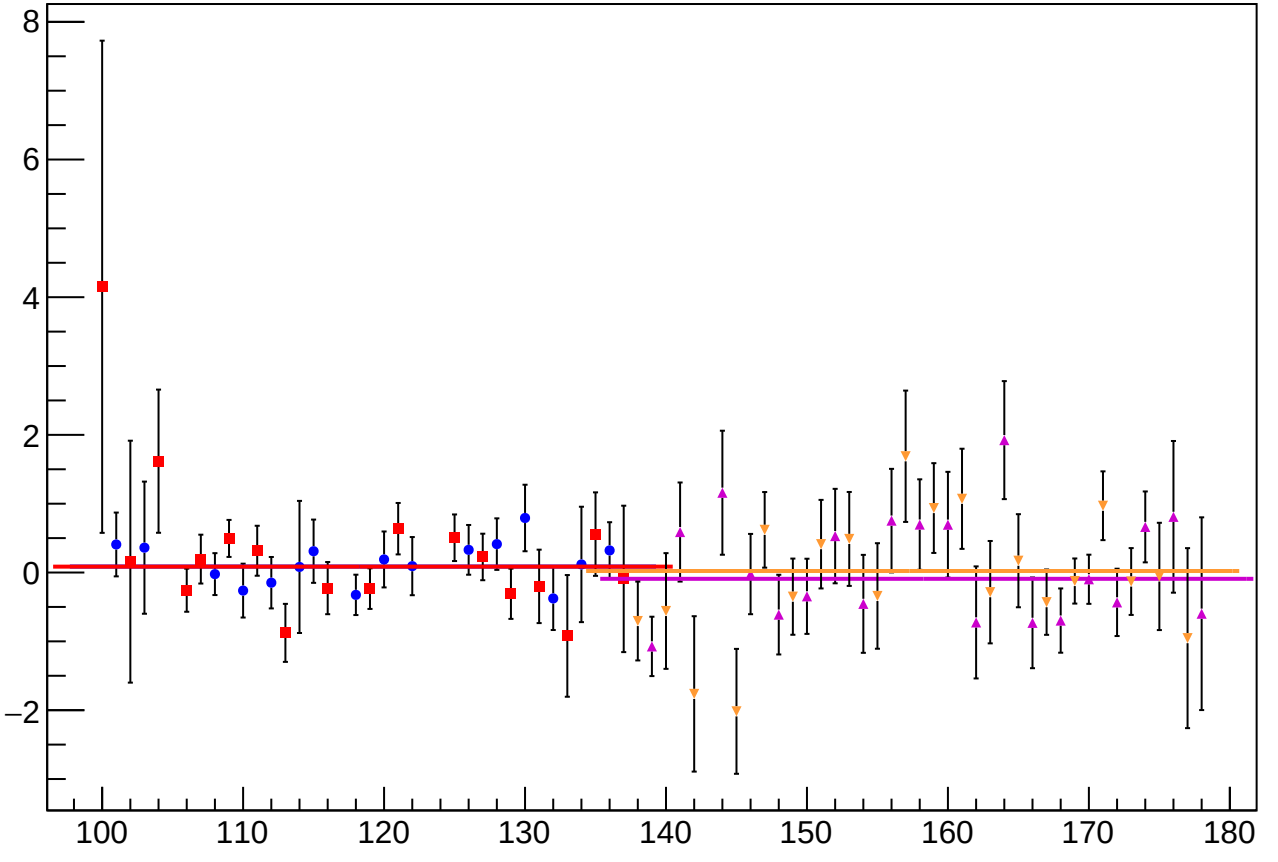
200
100
110
120
130
140
150
160
170
180
Right In: 264.667+/-0.074 χ²/NDF: 1283977.8/15
Left Out: 515.175+/-0.097 χ²/NDF:2780291.4/19
Right Out: 232.596+/-0.069 χ²/NDF: 2032655.0/17
Left In: 516.223+/-0.096 χ²/NDF:2661697.0/19
+ sign 357.009+/-0.059 χ²/NDF: 8254422.0/35
All: 342.381+/-0.041 χ²/NDF: 18853537.6/73
- sign 329.277+/-0.056 χ²/NDF: 10482729.6/37

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: 0.022+/-0.138 χ^2/NDF:25.0/19

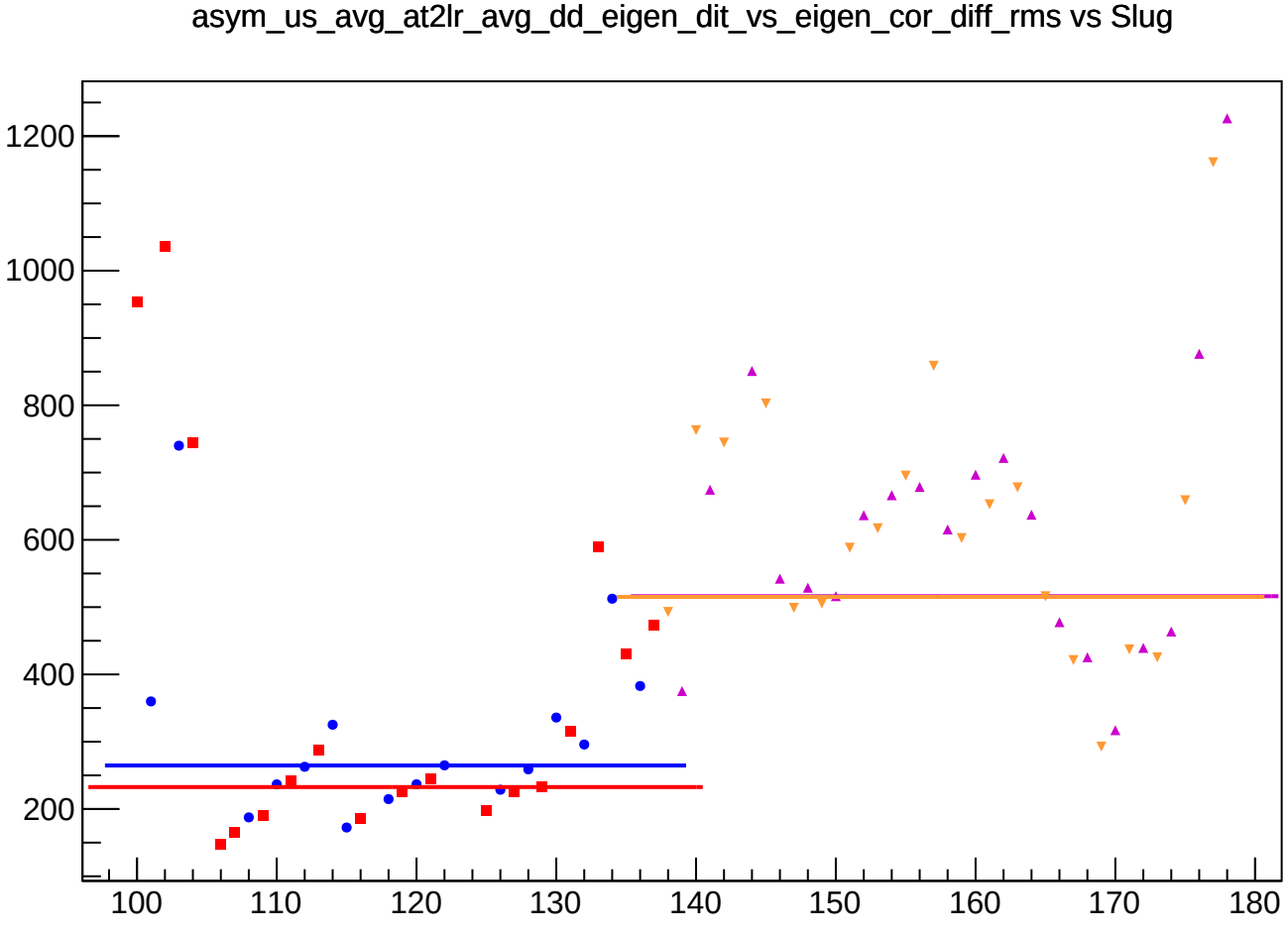
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.091+/-0.135 χ^2/NDF:26.1/19

+ sign 0.063+/-0.083 χ^2/NDF: 34.0/35

All: 0.043+/-0.057 χ^2/NDF: 83.1/73

- sign 0.025+/-0.079 χ^2/NDF: 49.0/37



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 515.175+/-0.097 χ^2/NDF:2780291.4/19

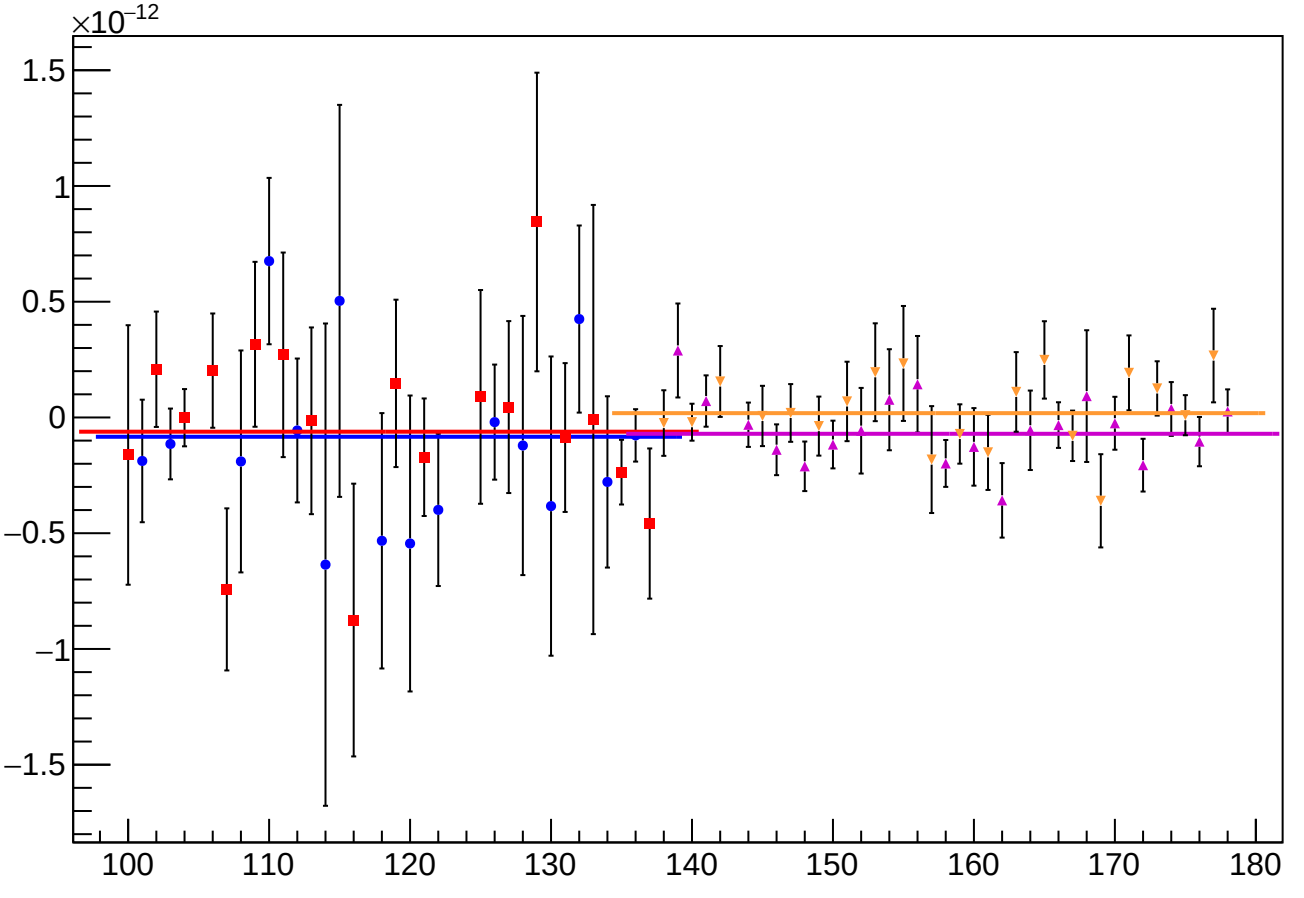
Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 516.223+/-0.096 χ^2/NDF:2661697.0/19

+ sign 357.009+/-0.059 χ^2/NDF: 8254422.0/35

All: 342.381+/-0.041 χ^2/NDF: 18853537.6/73

- sign 329.277+/-0.056 χ^2/NDF: 10482729.6/37



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/19

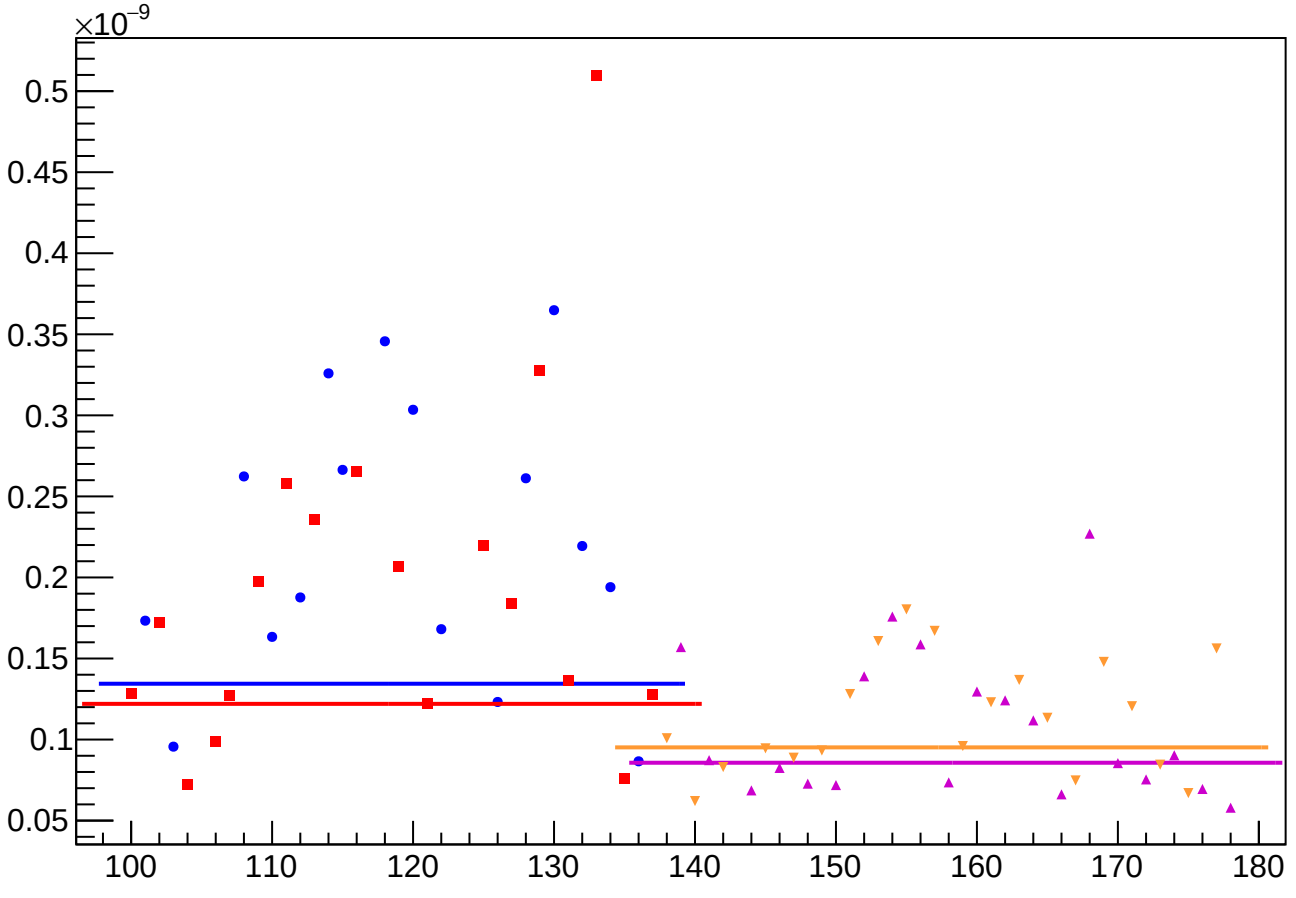
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: -0.000+/-0.000 χ^2/NDF:17.7/19

+ sign 0.000+/-0.000 χ^2/NDF: 26.8/35

All: -0.000+/-0.000 χ^2/NDF: 63.8/73

- sign -0.000+/-0.000 χ^2/NDF: 33.5/37



Right In: 0.000+/-0.000 χ^2/NDF: 1814968.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1928027.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2003381.5/17

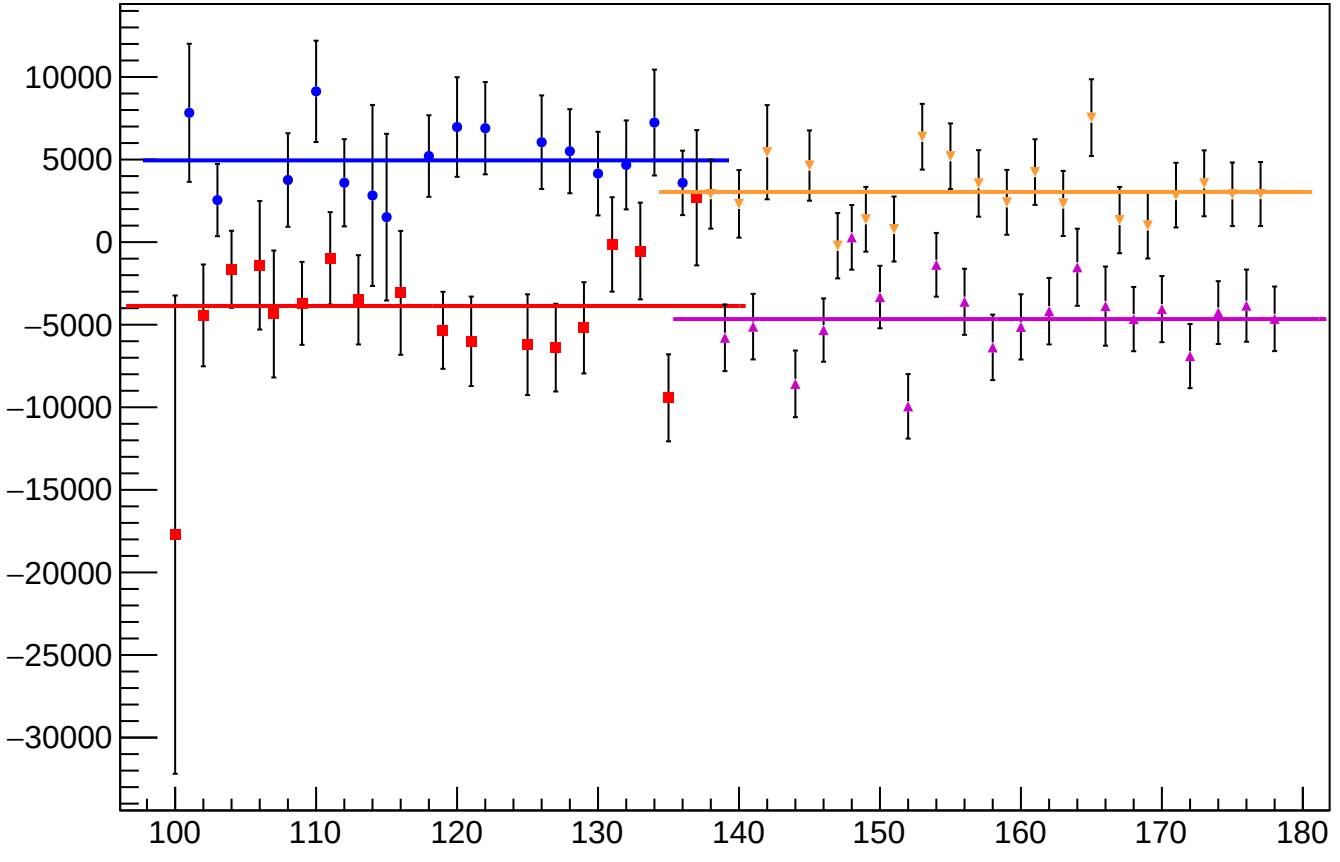
Left In: 0.000+/-0.000 χ^2/NDF:2263674.4/19

\+ sign 0.000+/-0.000 χ^2/NDF: 4284505.3/35

All: 0.000+/-0.000 χ^2/NDF: 9233525.8/73

\- sign 0.000+/-0.000 χ^2/NDF: 4802290.8/37

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3039.313+/-454.660 χ^2/NDF:16.4/19

Right Out: -3865.145+/-695.781 χ^2/NDF: 16.2/17

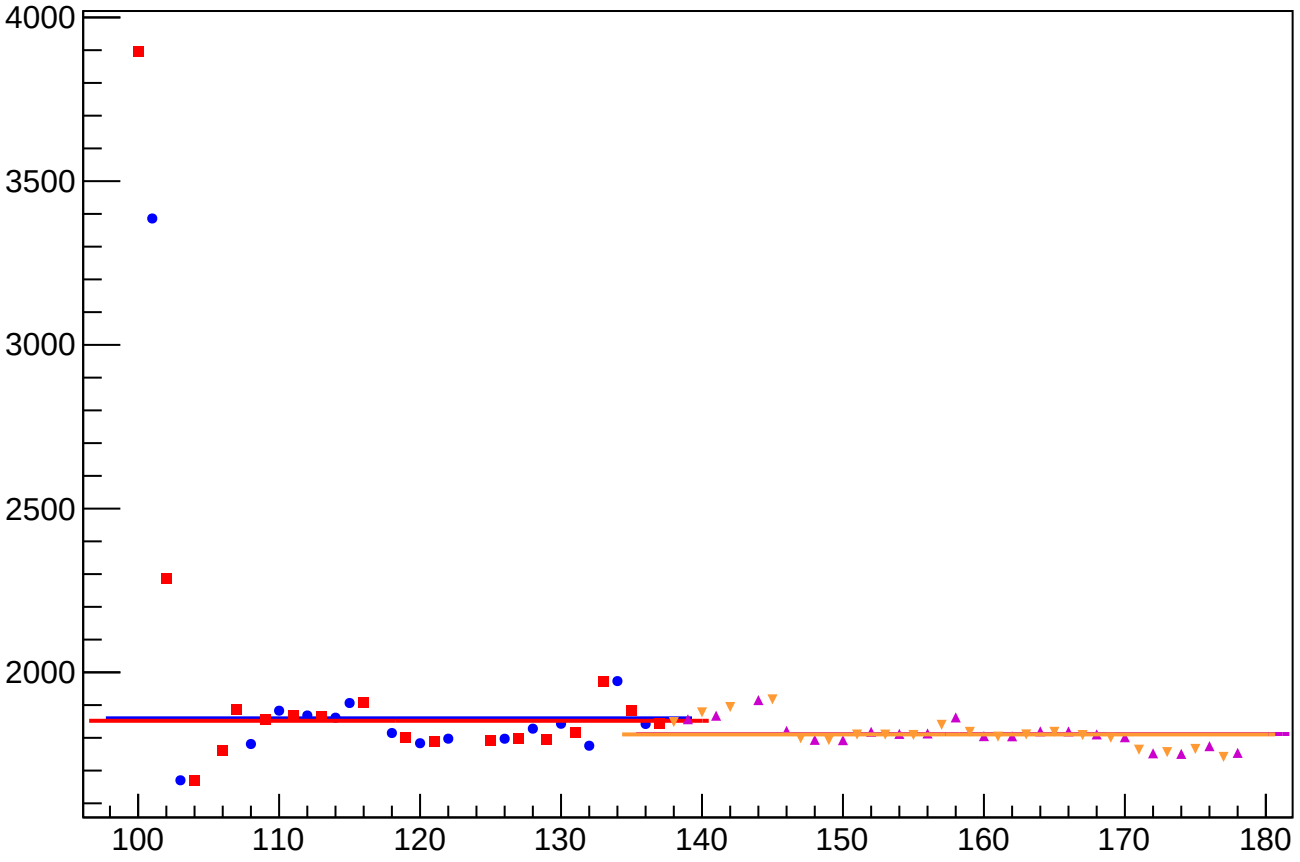
Left In: -4658.675+/-448.248 χ^2/NDF:26.0/19

+ sign 3607.523+/-381.119 χ^2/NDF: 28.5/35

All: -454.775+/-267.959 χ^2/NDF: 296.3/73

- sign -4425.927+/-376.820 χ^2/NDF: 43.1/37

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

Left Out: 1810.444+/-0.321 χ^2/NDF:16554.6/19

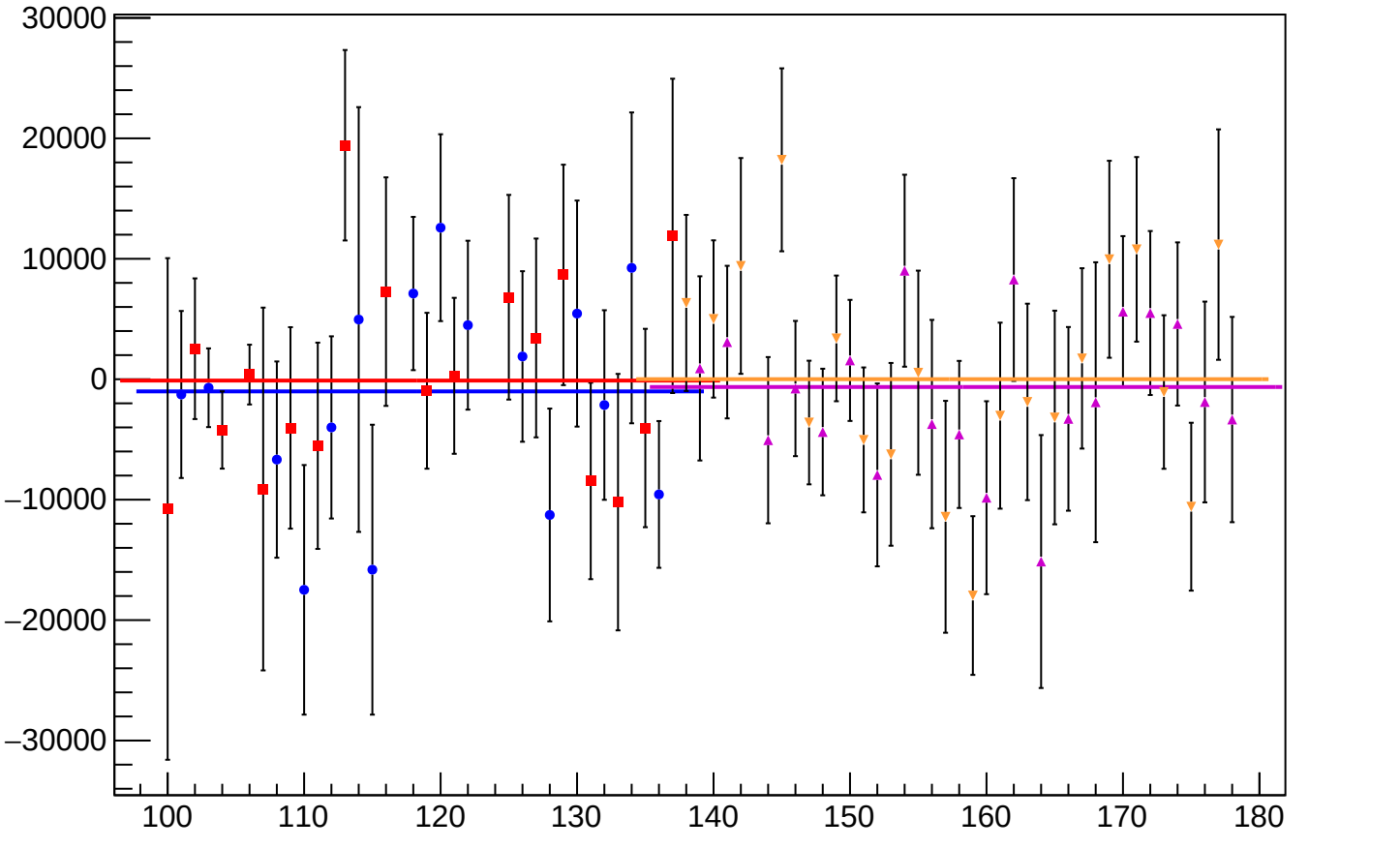
Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1811.751+/-0.317 χ^2/NDF:15925.8/19

+ sign 1825.033+/-0.269 χ^2/NDF: 315814.7/35

All: 1824.321+/-0.189 χ^2/NDF: 438732.2/73

- sign 1823.626+/-0.266 χ^2/NDF: 122903.7/37



Right In: -1010.288+/-1764.180 χ^2/NDF: 14.7/15

Left Out: 4.684+/-1601.619 χ^2/NDF:26.9/19

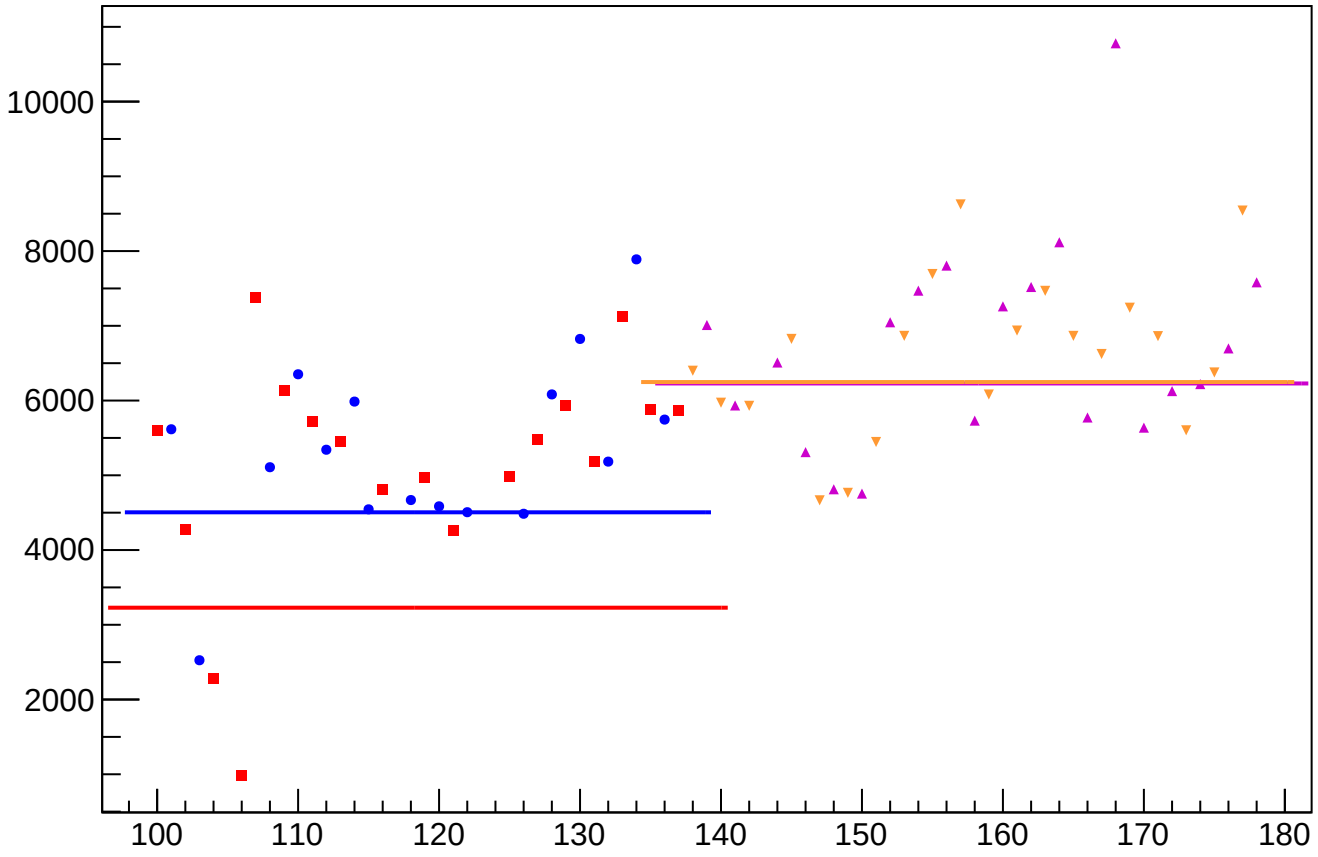
Right Out: -111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: -645.563+/-1573.015 χ^2/NDF:11.4/19

+ sign -453.895+/-1185.832 χ^2/NDF: 41.8/35

All: -398.772+/-790.933 χ^2/NDF: 67.9/73

- sign -354.597+/-1061.555 χ^2/NDF: 26.1/37



Right In: 4504.788+/-1.247 χ^2/NDF: 1321104.9/15

Left Out: 6247.647+/-1.133 χ^2/NDF:854213.1/19

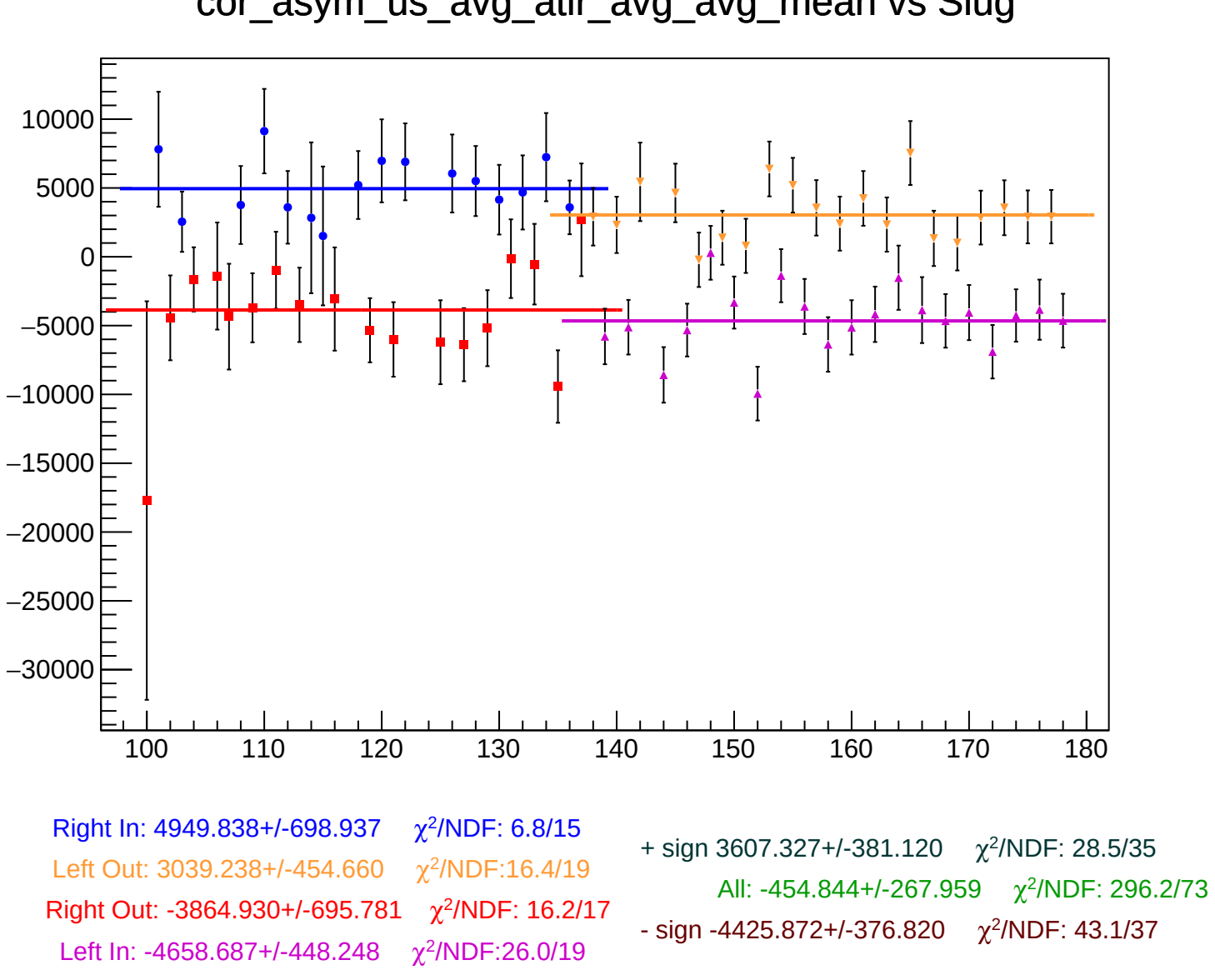
Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

Left In: 6228.716+/-1.112 χ^2/NDF:1084440.2/19

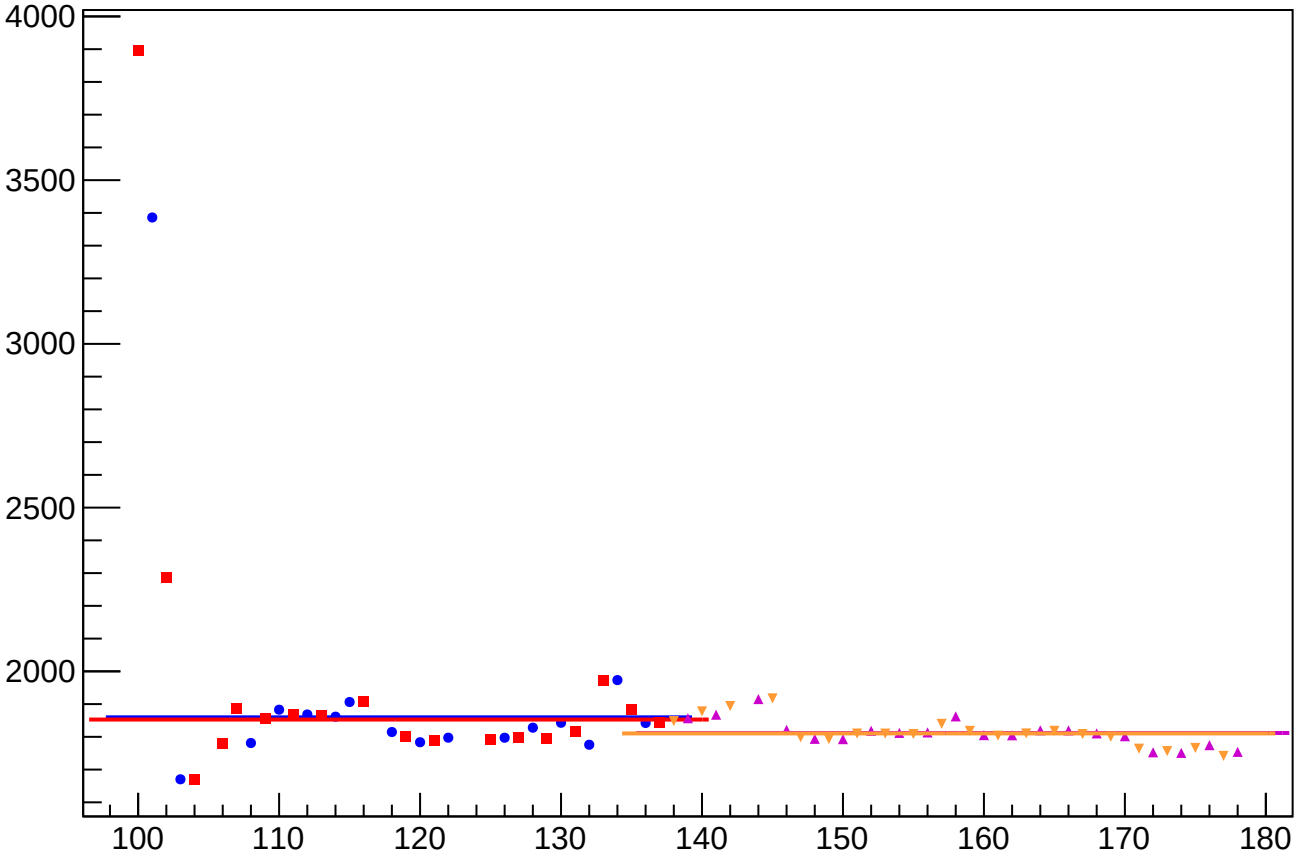
+ sign 5460.198+/-0.839 χ^2/NDF: 3245348.8/35

All: 4979.866+/-0.559 χ^2/NDF: 12839122.8/7

- sign 4594.937+/-0.751 χ^2/NDF: 9002657.0/37


cor_asym_us_avg_atlr_avg_avg_mean vs Slug
10000
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
180
Right In: 4949.838+/-698.937 χ²/NDF: 6.8/15
Left Out: 3039.238+/-454.660 χ²/NDF:16.4/19
Right Out: -3864.930+/-695.781 χ²/NDF: 16.2/17
Left In: -4658.687+/-448.248 χ²/NDF:26.0/19
+ sign 3607.327+/-381.120 χ²/NDF: 28.5/35
All: -454.844+/-267.959 χ²/NDF: 296.2/73
- sign -4425.872+/-376.820 χ²/NDF: 43.1/37

cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1810.444+/-0.321 χ^2/NDF:16554.6/19

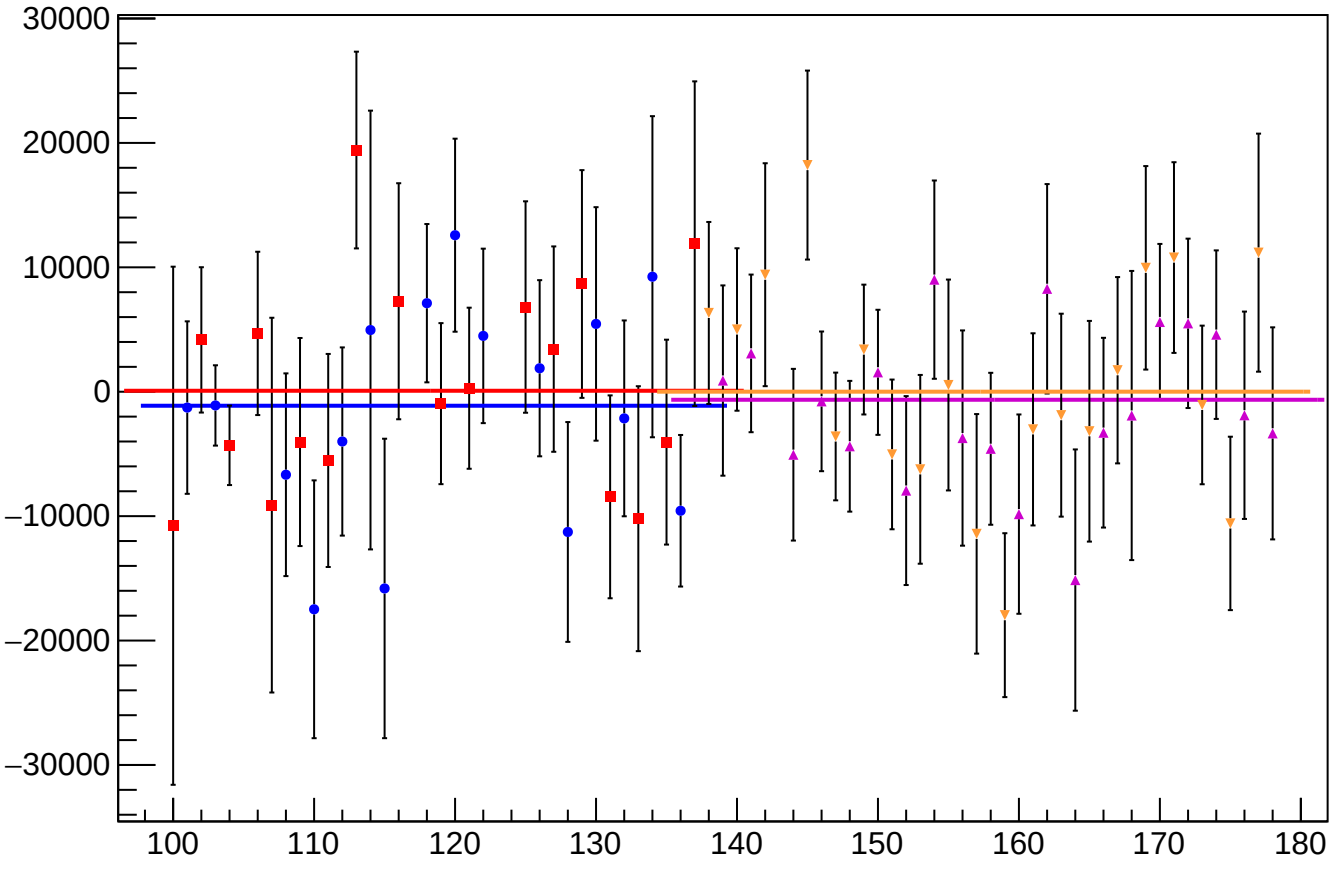
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1811.751+/-0.317 χ^2/NDF:15925.8/19

\+ sign 1825.033+/-0.269 χ^2/NDF: 315816.5/35

All: 1824.423+/-0.189 χ^2/NDF: 438434.3/73

\- sign 1823.828+/-0.266 χ^2/NDF: 122607.7/37



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: 4.643+/-1601.618 χ^2/NDF:26.9/19

Right Out: 78.270+/-1702.444 χ^2/NDF: 15.5/17

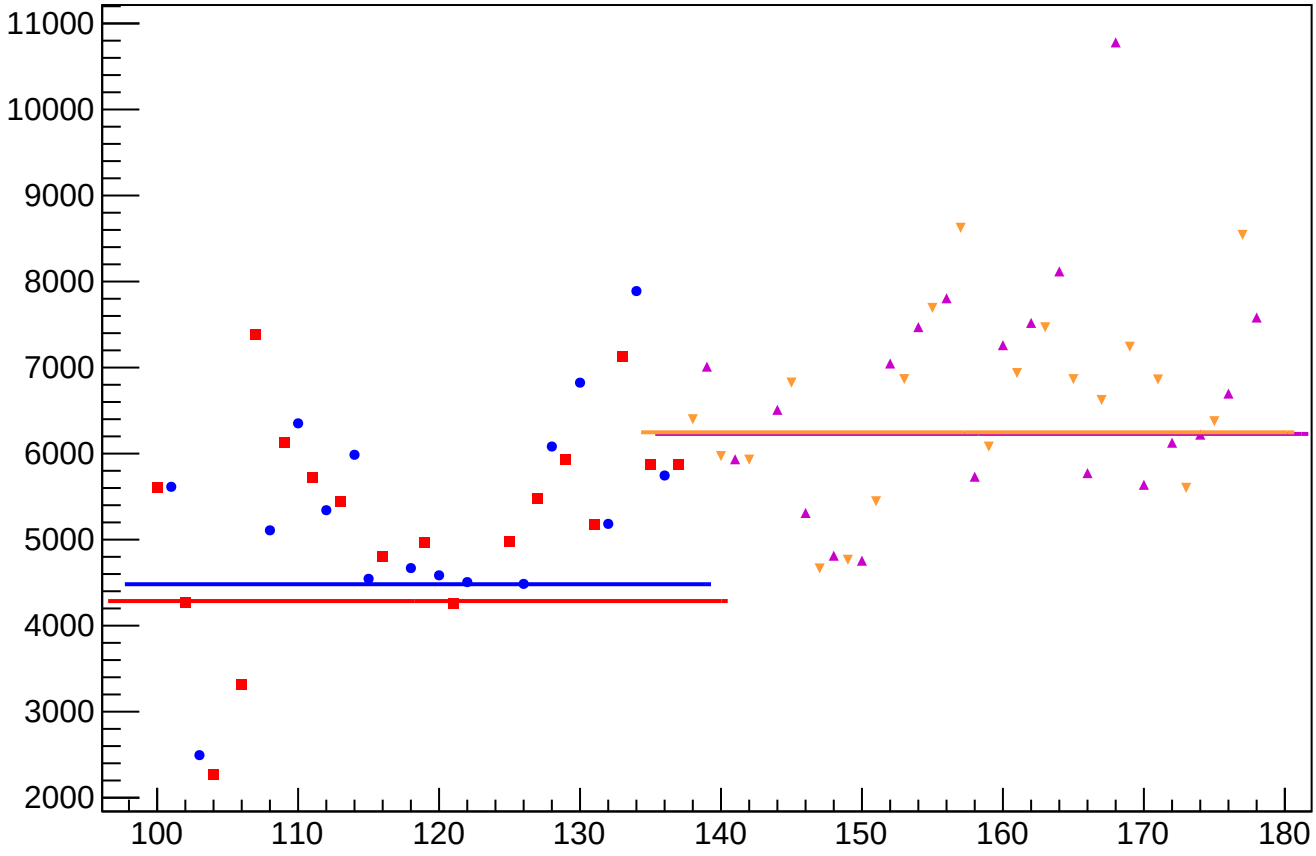
Left In: -645.662+/-1573.016 χ^2/NDF:11.4/19

+ sign -508.006+/-1183.911 χ^2/NDF: 41.8/35

All: -407.741+/-826.865 χ^2/NDF: 68.9/73

- sign -312.257+/-1155.340 χ^2/NDF: 27.1/37

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: 6247.643+/-1.133 χ^2/NDF:854221.8/19

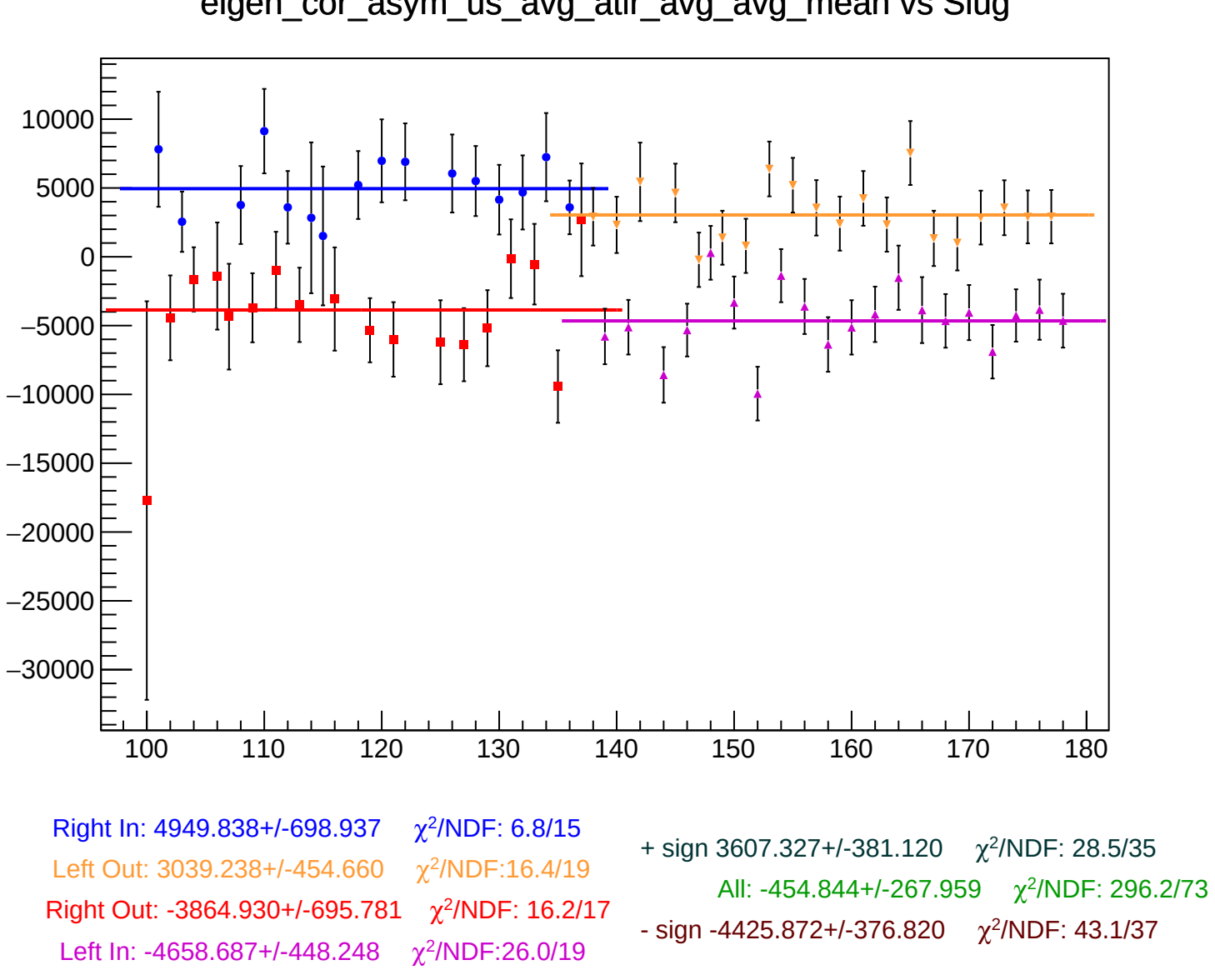
Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

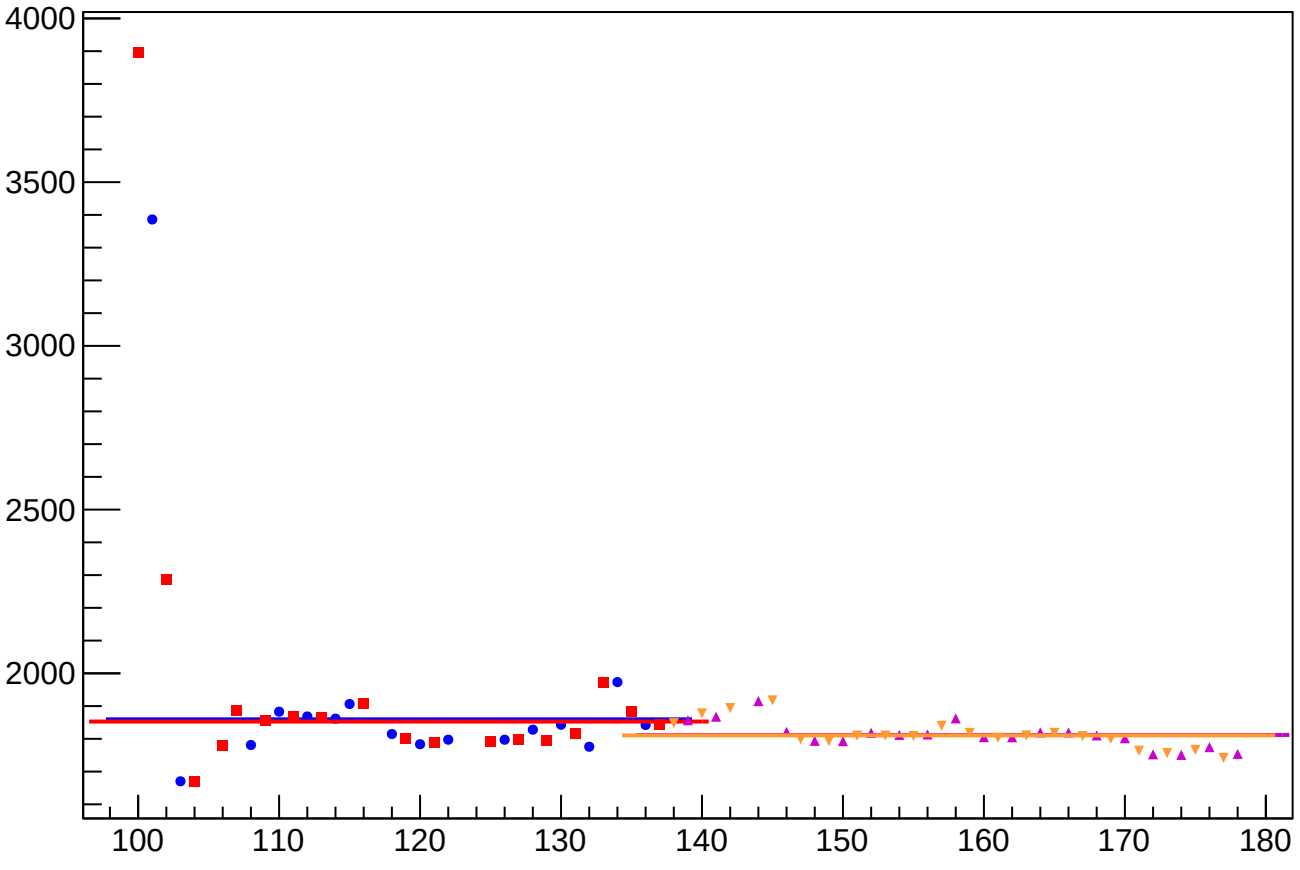
Left In: 6228.716+/-1.112 χ^2/NDF:1084448.3/19

+ sign 5446.550+/-0.837 χ^2/NDF: 3319580.7/35

All: 5388.932+/-0.585 χ^2/NDF: 7367885.0/73

- sign 5334.061+/-0.817 χ^2/NDF: 4039056.0/37


eigen_cor_asym_us_avg_atlr_avg_avg_mean vs Slug
10000
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
180
Right In: 4949.838+/-698.937 χ²/NDF: 6.8/15
Left Out: 3039.238+/-454.660 χ²/NDF:16.4/19
Right Out: -3864.930+/-695.781 χ²/NDF: 16.2/17
Left In: -4658.687+/-448.248 χ²/NDF:26.0/19
+ sign 3607.327+/-381.120 χ²/NDF: 28.5/35
All: -454.844+/-267.959 χ²/NDF: 296.2/73
- sign -4425.872+/-376.820 χ²/NDF: 43.1/37



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1810.444+/-0.321 χ^2/NDF:16554.6/19

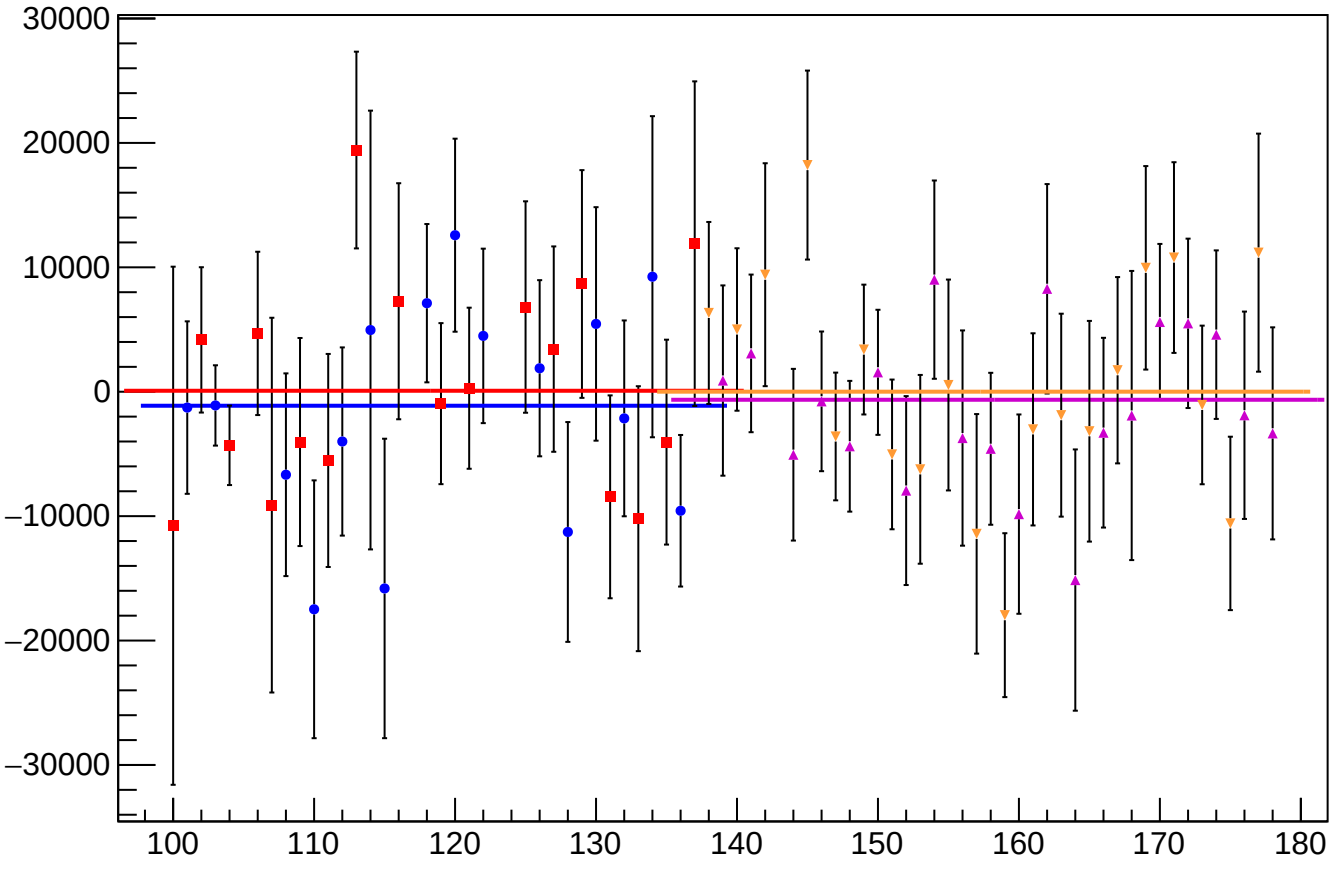
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1811.751+/-0.317 χ^2/NDF:15925.8/19

+ sign 1825.033+/-0.269 χ^2/NDF: 315816.5/35

All: 1824.423+/-0.189 χ^2/NDF: 438434.3/73

- sign 1823.828+/-0.266 χ^2/NDF: 122607.7/37



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: 4.643+/-1601.618 χ^2/NDF:26.9/19

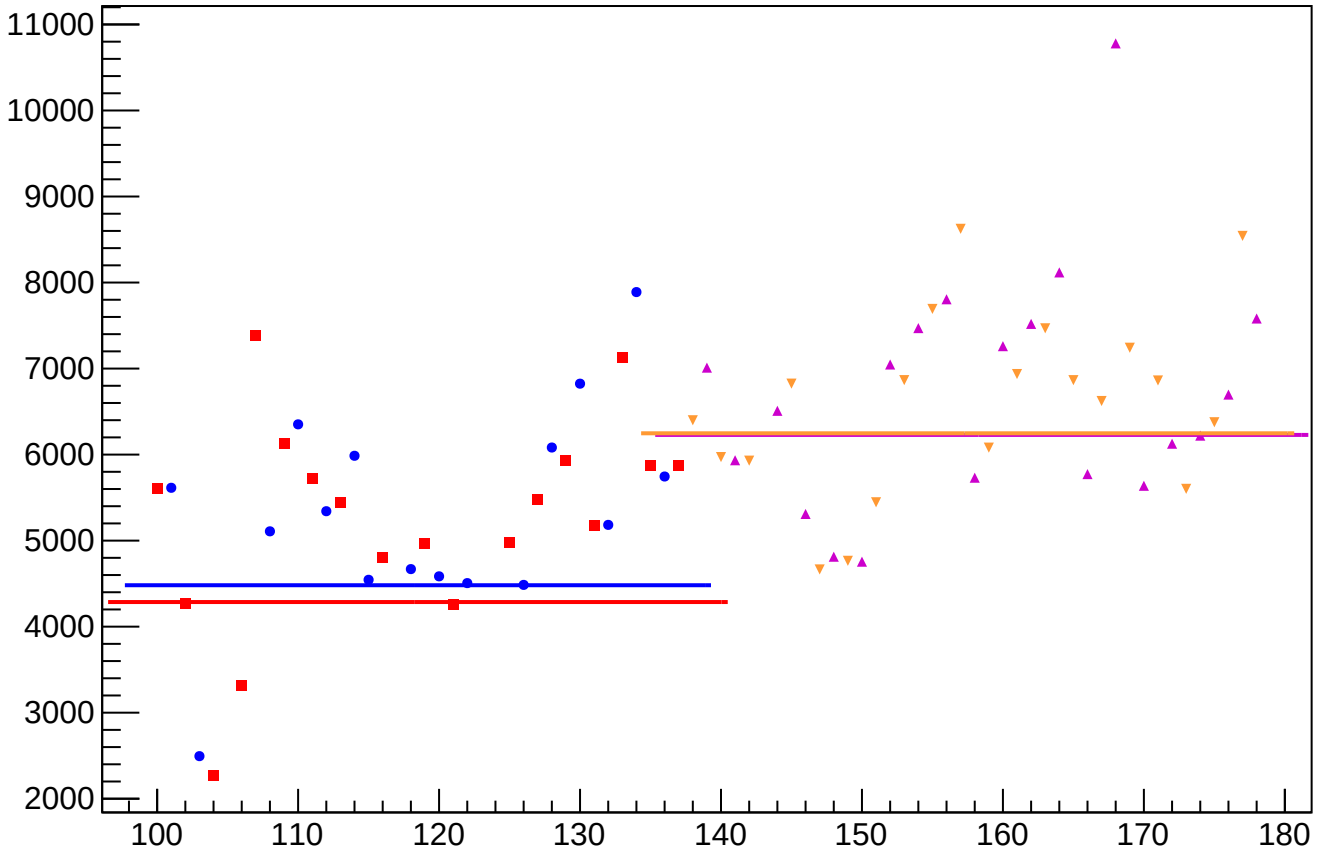
Right Out: 78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: -645.662+/-1573.016 χ^2/NDF:11.4/19

+ sign -508.006+/-1183.911 χ^2/NDF: 41.8/35

All: -407.741+/-826.865 χ^2/NDF: 68.9/73

- sign -312.257+/-1155.340 χ^2/NDF: 27.1/37



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6247.643+/-1.133 χ^2/NDF:854221.8/19

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

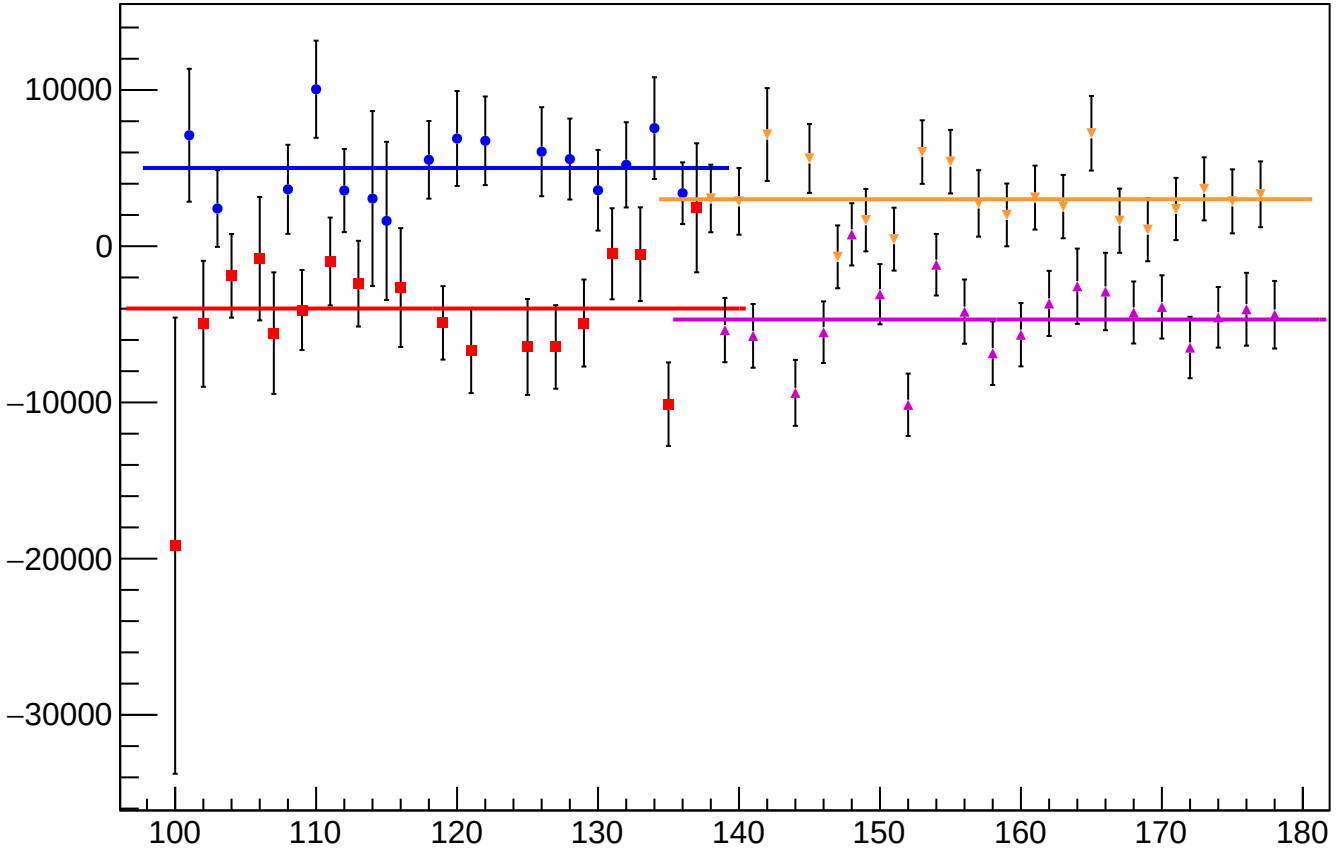
Left In: 6228.716+/-1.112 χ^2/NDF:1084448.3/19

+ sign 5446.550+/-0.837 χ^2/NDF: 3319580.7/35

All: 5388.932+/-0.585 χ^2/NDF: 7367885.0/73

- sign 5334.061+/-0.817 χ^2/NDF: 4039056.0/37

dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3007.921+/-468.882 χ^2/NDF:17.4/19

Right Out: -3989.193+/-719.024 χ^2/NDF: 17.4/17

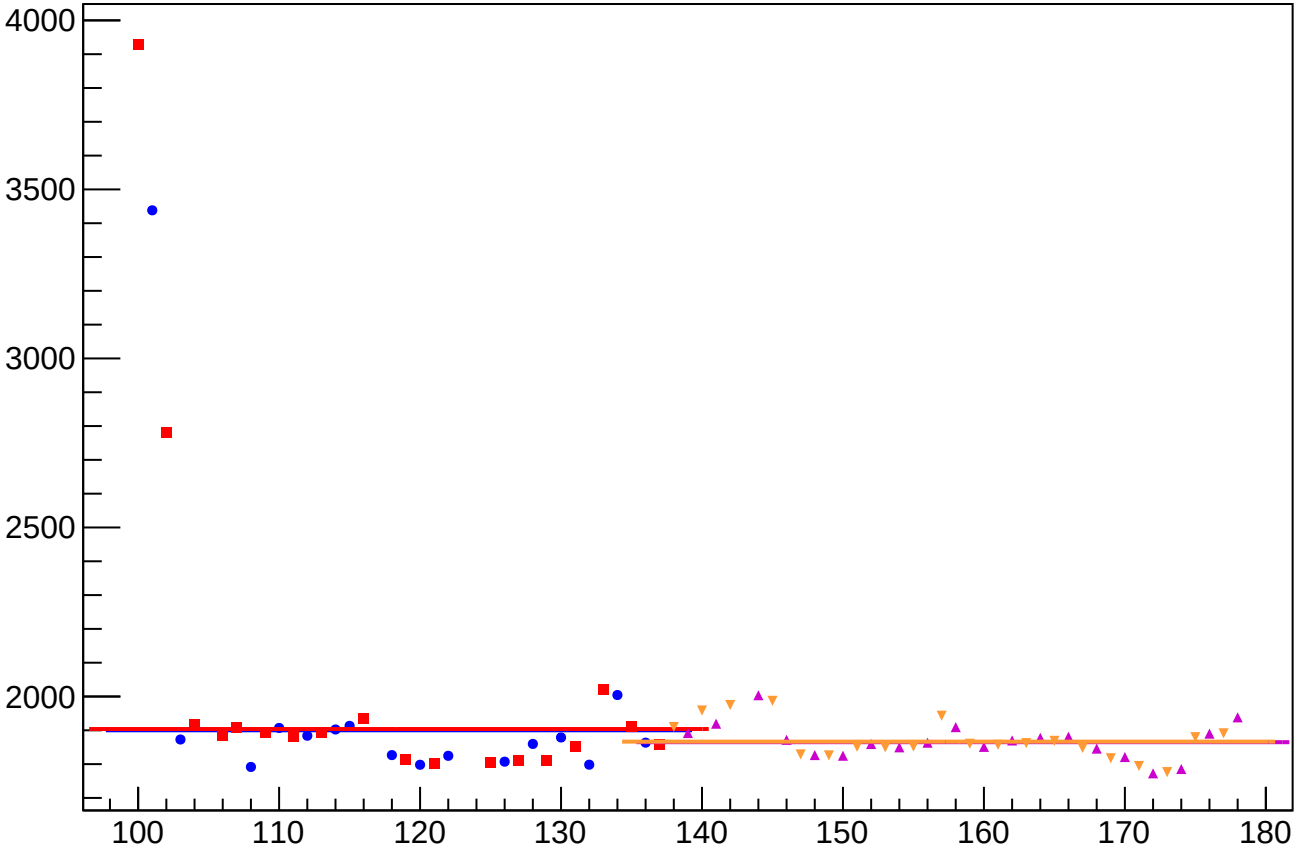
Left In: -4691.766+/-461.523 χ^2/NDF:28.4/19

+ sign 3610.287+/-391.937 χ^2/NDF: 30.6/35

All: -474.978+/-275.881 χ^2/NDF: 292.4/73

- sign -4486.766+/-388.397 χ^2/NDF: 46.5/37

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1866.515+/-0.332 χ^2/NDF:26053.3/19

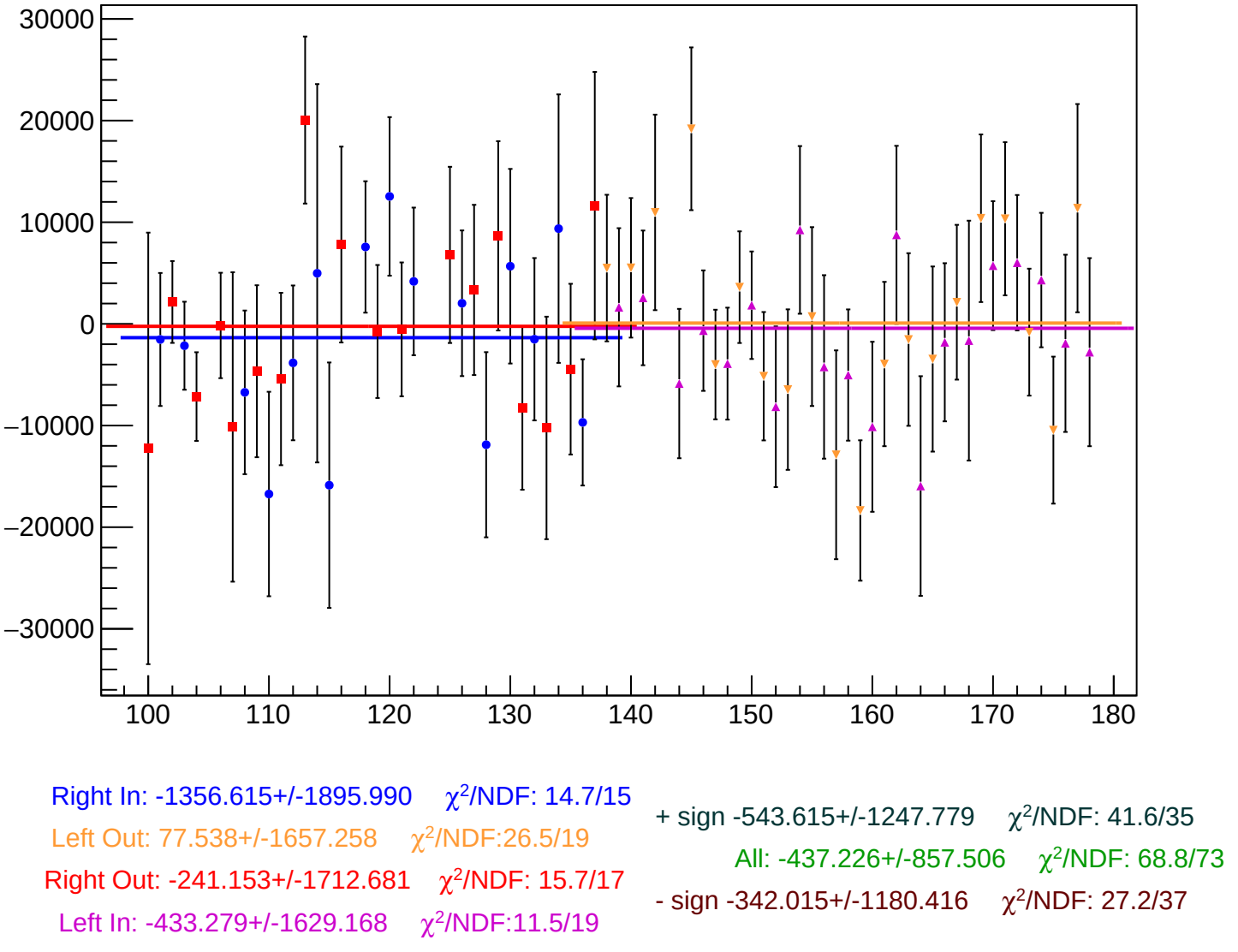
Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

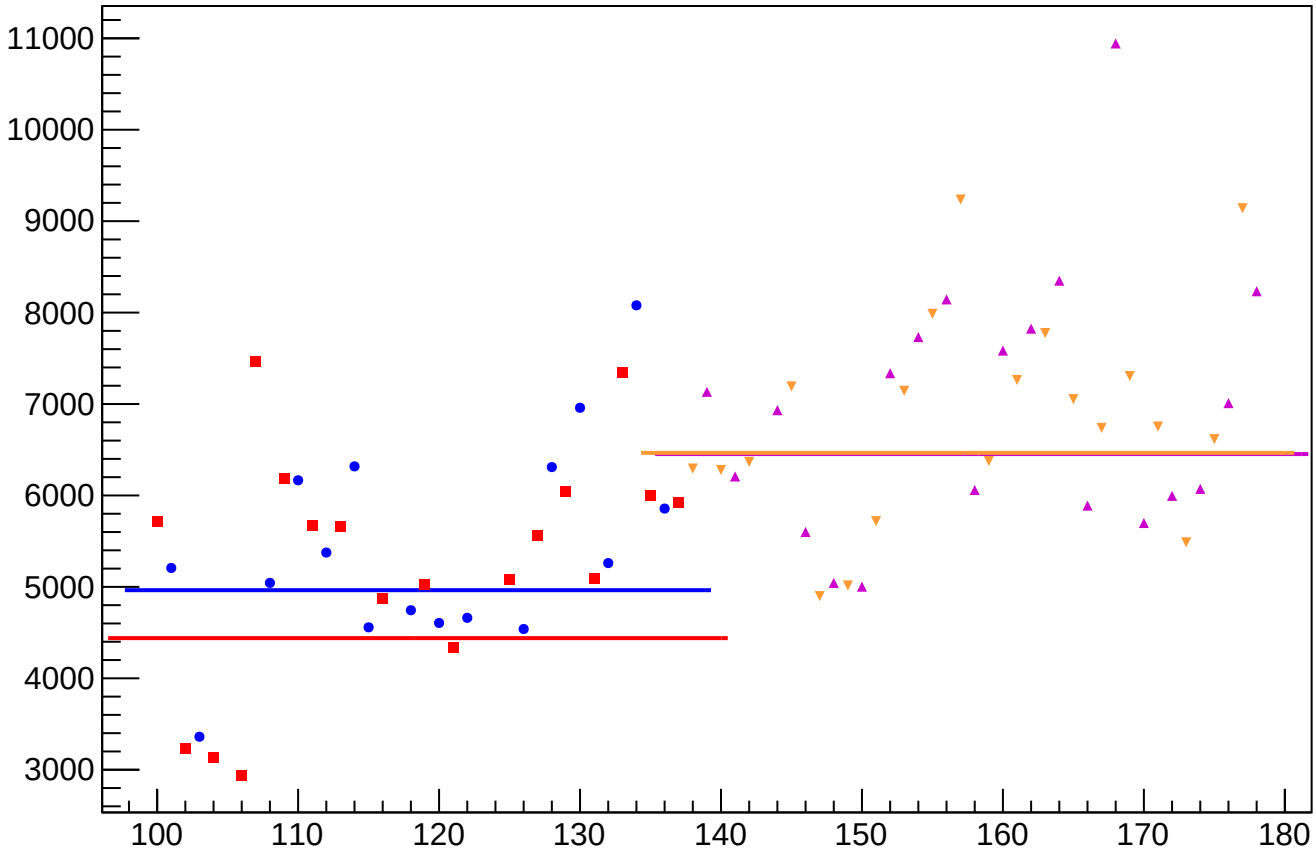
Left In: 1864.881+/-0.326 χ^2/NDF:24804.1/19

+ sign 1876.637+/-0.277 χ^2/NDF: 307595.0/35

All: 1876.448+/-0.195 χ^2/NDF: 486677.8/73

- sign 1876.262+/-0.275 χ^2/NDF: 179081.9/37


asym_us_avg_atlr_avg_avg_dit_correction_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
Right In: -1356.615+/-1895.990 χ²/NDF: 14.7/15
Left Out: 77.538+/-1657.258 χ²/NDF:26.5/19
Right Out: -241.153+/-1712.681 χ²/NDF: 15.7/17
Left In: -433.279+/-1629.168 χ²/NDF:11.5/19
+ sign -543.615+/-1247.779 χ²/NDF: 41.6/35
All: -437.226+/-857.506 χ²/NDF: 68.8/73
- sign -342.015+/-1180.416 χ²/NDF: 27.2/37



Right In: 4963.998+/-1.341 χ^2/NDF: 627377.0/15

Left Out: 6465.813+/-1.172 χ^2/NDF:864502.7/19

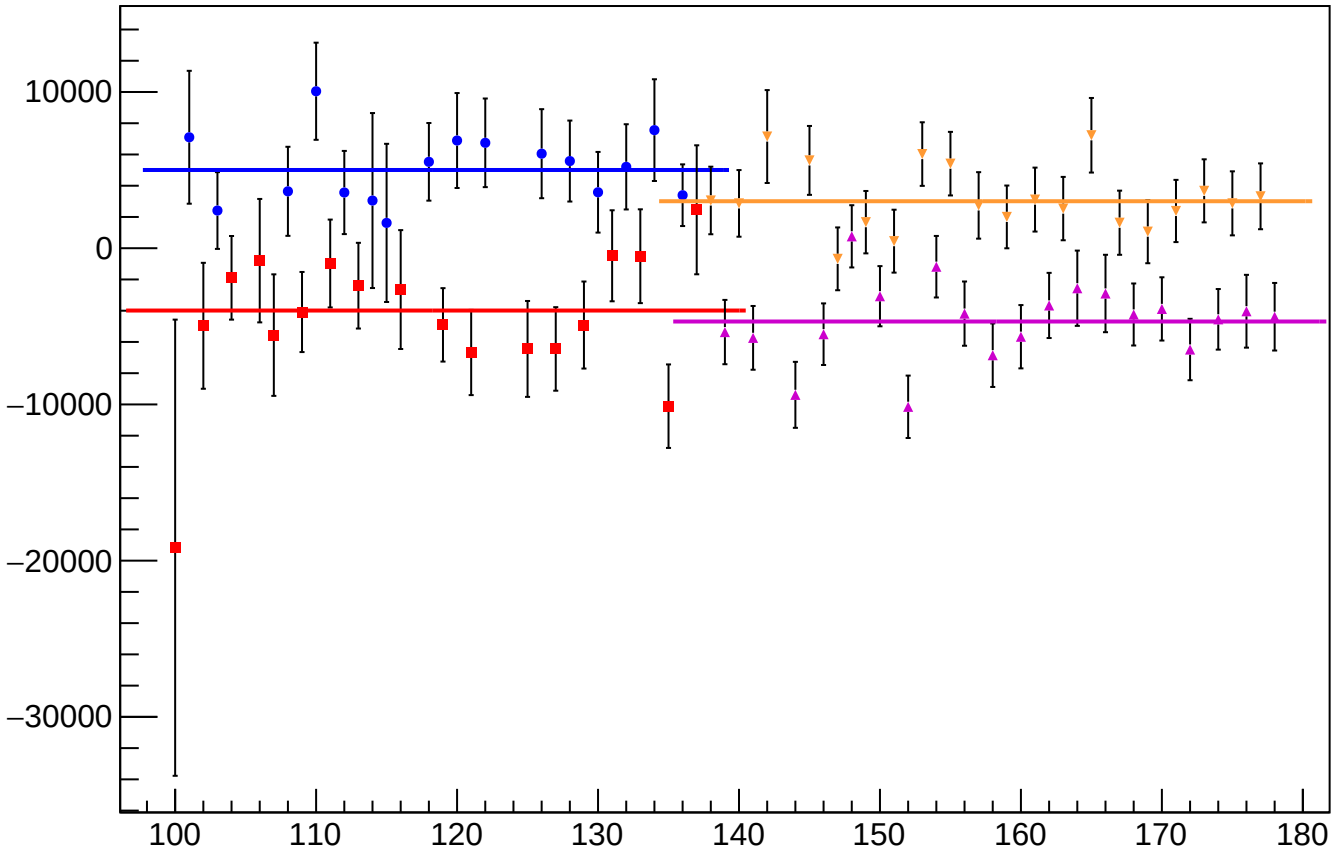
Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 6452.649+/-1.152 χ^2/NDF:1074447.5/19

+ sign 5815.355+/-0.882 χ^2/NDF: 2203233.9/35

All: 5647.054+/-0.606 χ^2/NDF: 5955552.9/73

- sign 5496.435+/-0.835 χ^2/NDF: 3683370.9/37



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3007.916+/-468.882 χ^2/NDF:17.4/19

Right Out: -3989.192+/-719.024 χ^2/NDF: 17.4/17

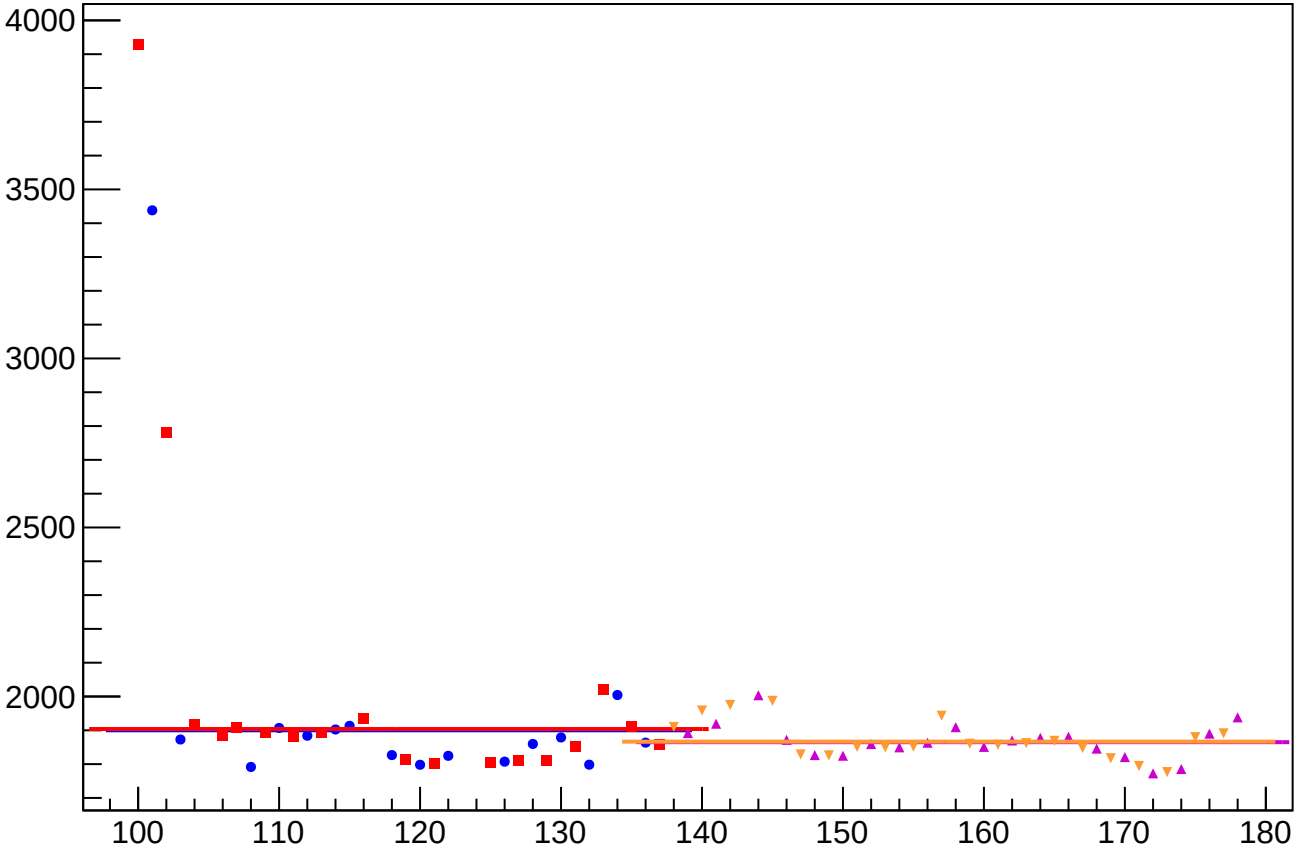
Left In: -4691.770+/-461.523 χ^2/NDF:28.4/19

+ sign 3610.284+/-391.937 χ^2/NDF: 30.6/35

All: -474.981+/-275.881 χ^2/NDF: 292.4/73

- sign -4486.767+/-388.397 χ^2/NDF: 46.5/37

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: 1866.516+/-0.332 χ^2/NDF:26054.2/19

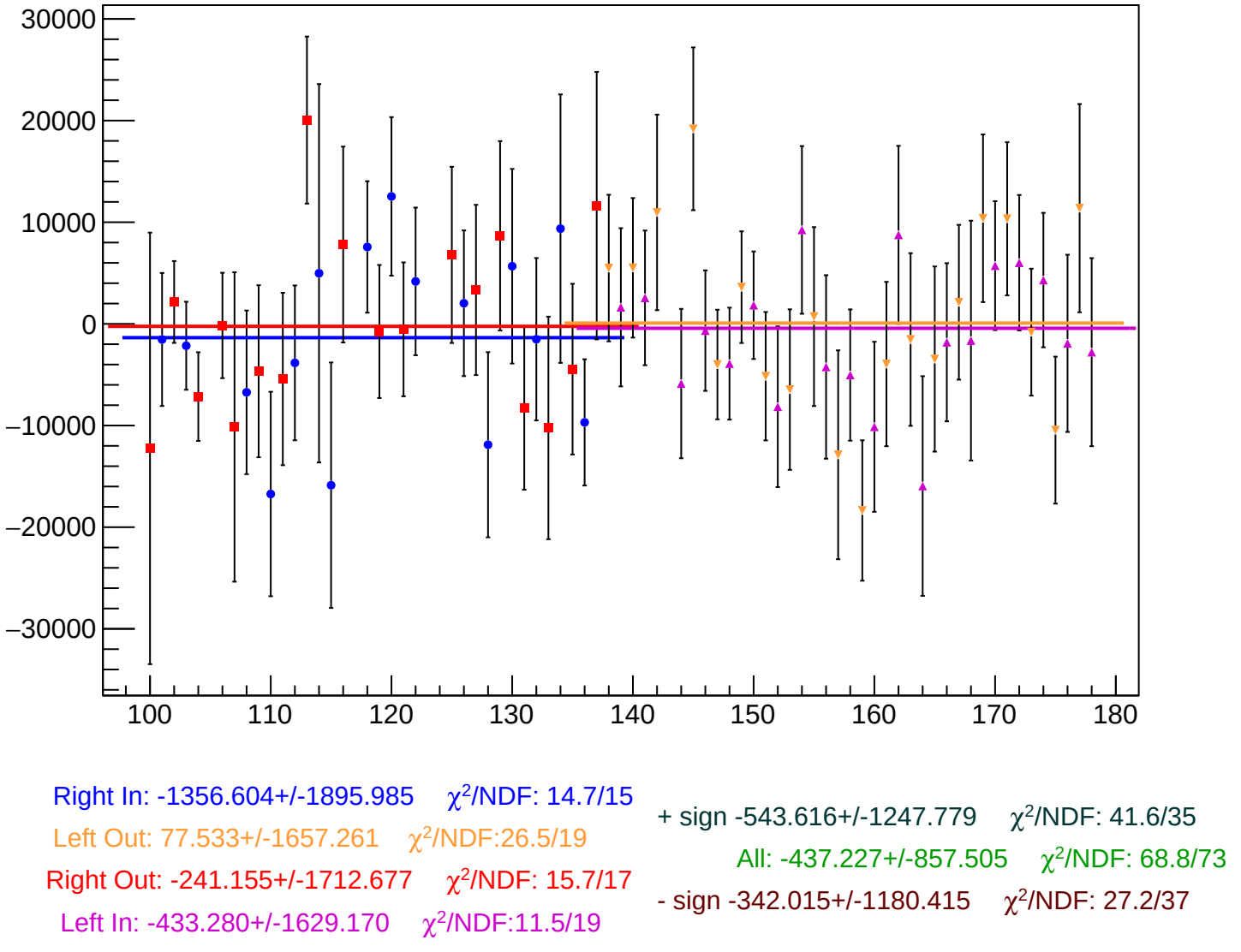
Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

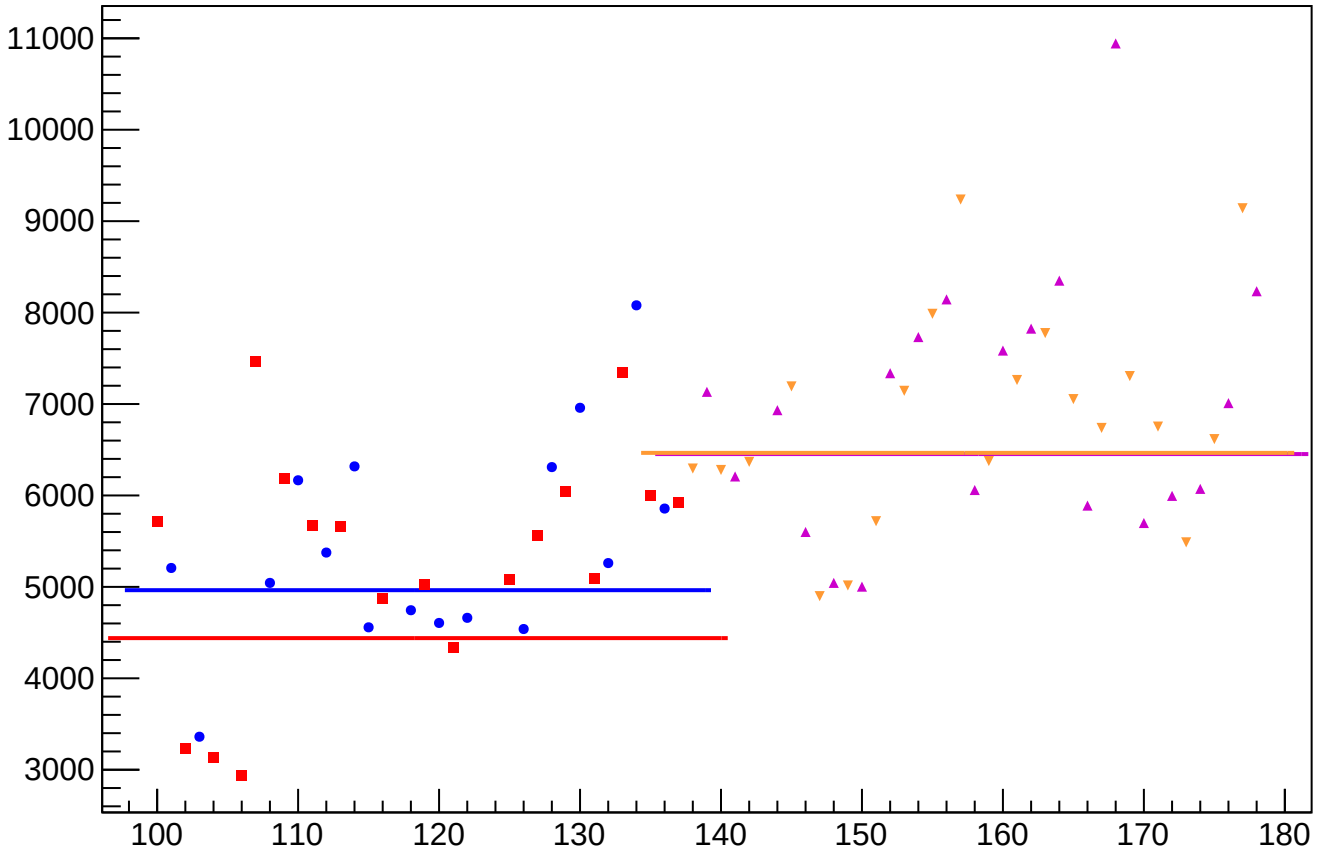
Left In: 1864.882+/-0.326 χ^2/NDF:24805.1/19

+ sign 1876.637+/-0.277 χ^2/NDF: 307595.8/35

All: 1876.448+/-0.195 χ^2/NDF: 486678.5/73

- sign 1876.263+/-0.275 χ^2/NDF: 179081.8/37


asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
Right In: -1356.604+/-1895.985 χ²/NDF: 14.7/15
Left Out: 77.533+/-1657.261 χ²/NDF:26.5/19
Right Out: -241.155+/-1712.677 χ²/NDF: 15.7/17
Left In: -433.280+/-1629.170 χ²/NDF:11.5/19
+ sign -543.616+/-1247.779 χ²/NDF: 41.6/35
All: -437.227+/-857.505 χ²/NDF: 68.8/73
- sign -342.015+/-1180.415 χ²/NDF: 27.2/37



Right In: 4963.985+/-1.341 χ^2/NDF: 627379.5/15

Left Out: 6465.824+/-1.172 χ^2/NDF:864504.4/19

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

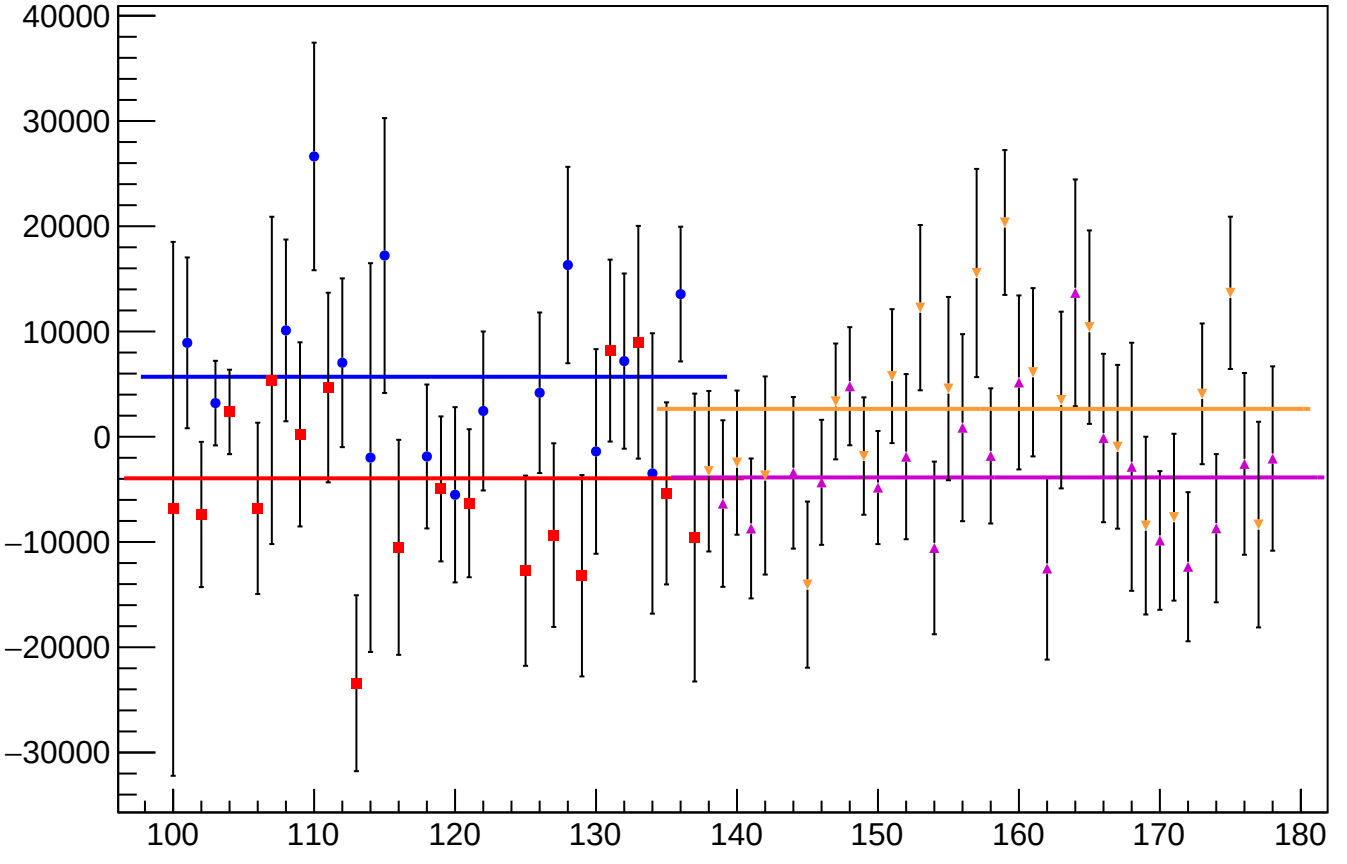
Left In: 6452.659+/-1.152 χ^2/NDF:1074449.6/19

+ sign 5815.352+/-0.882 χ^2/NDF: 2203261.5/35

All: 5647.051+/-0.606 χ^2/NDF: 5955615.7/73

- sign 5496.431+/-0.835 χ^2/NDF: 3683405.5/37

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5697.218+/-1959.214 χ^2/NDF: 12.6/15

Left Out: 2648.452+/-1674.686 χ^2/NDF:25.0/19

Right Out: -3949.394+/-1920.582 χ^2/NDF: 16.1/17

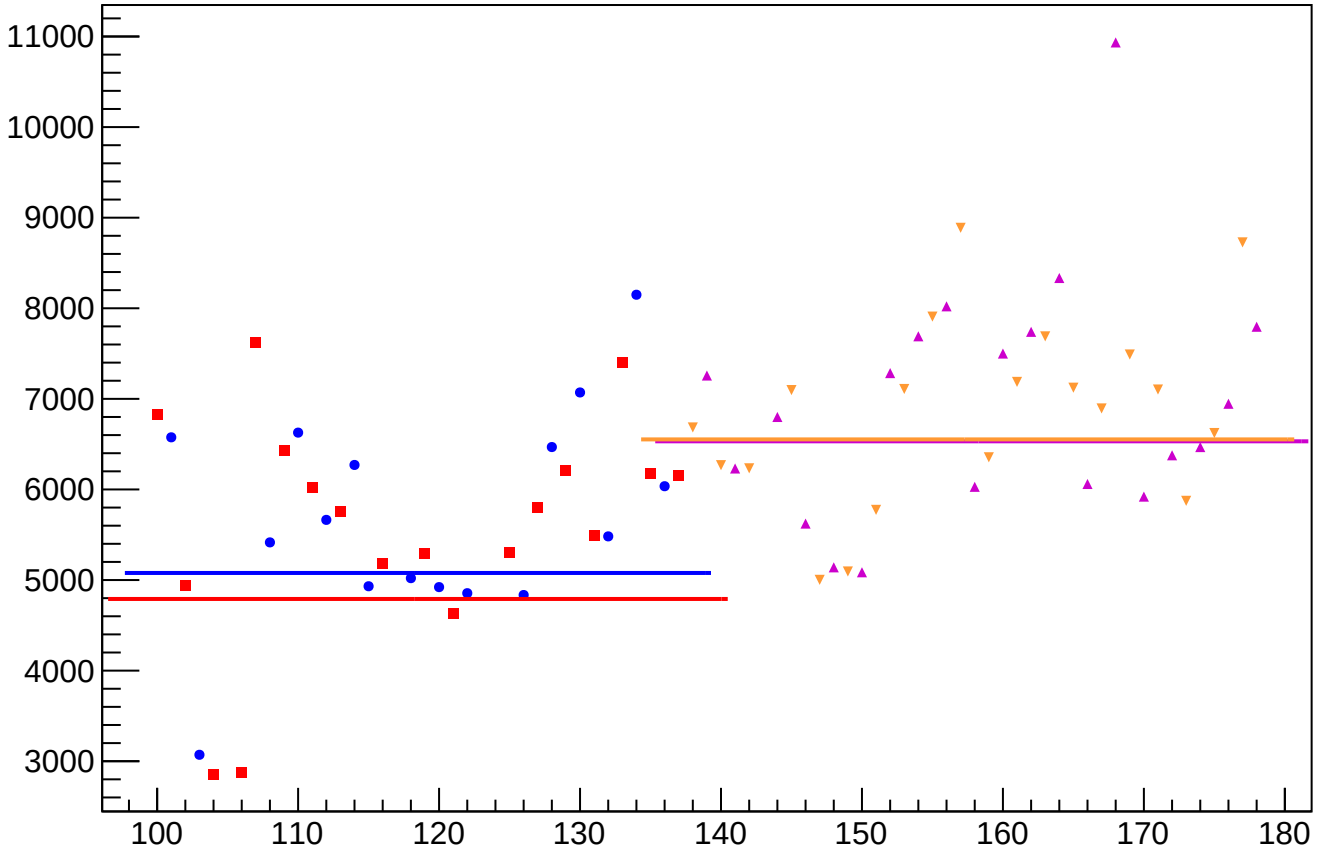
Left In: -3865.721+/-1644.792 χ^2/NDF:12.0/19

+ sign 3935.577+/-1273.005 χ^2/NDF: 39.1/35

All: -56.493+/-891.643 χ^2/NDF: 86.5/73

- sign -3901.124+/-1249.276 χ^2/NDF: 28.2/37

asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 6552.453+/-1.184 χ^2/NDF:727881.9/19

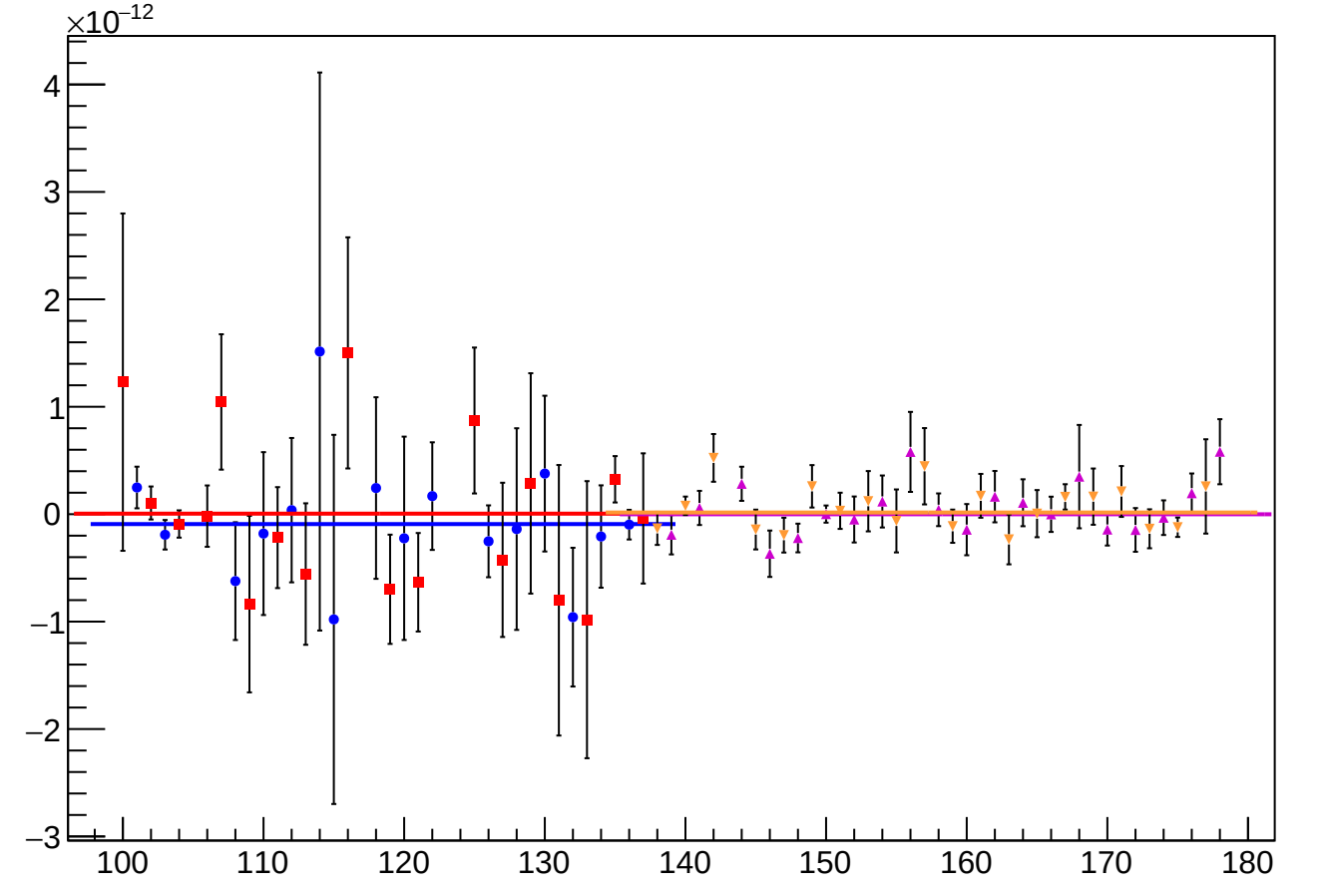
Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6531.329+/-1.163 χ^2/NDF:938076.7/19

+ sign 5930.024+/-0.900 χ^2/NDF: 2301482.4/35

All: 5851.773+/-0.628 χ^2/NDF: 5386233.3/73

- sign 5777.712+/-0.876 χ^2/NDF: 3070041.2/37



Right In: -0.000+/-0.000 χ^2/NDF: 8.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/19

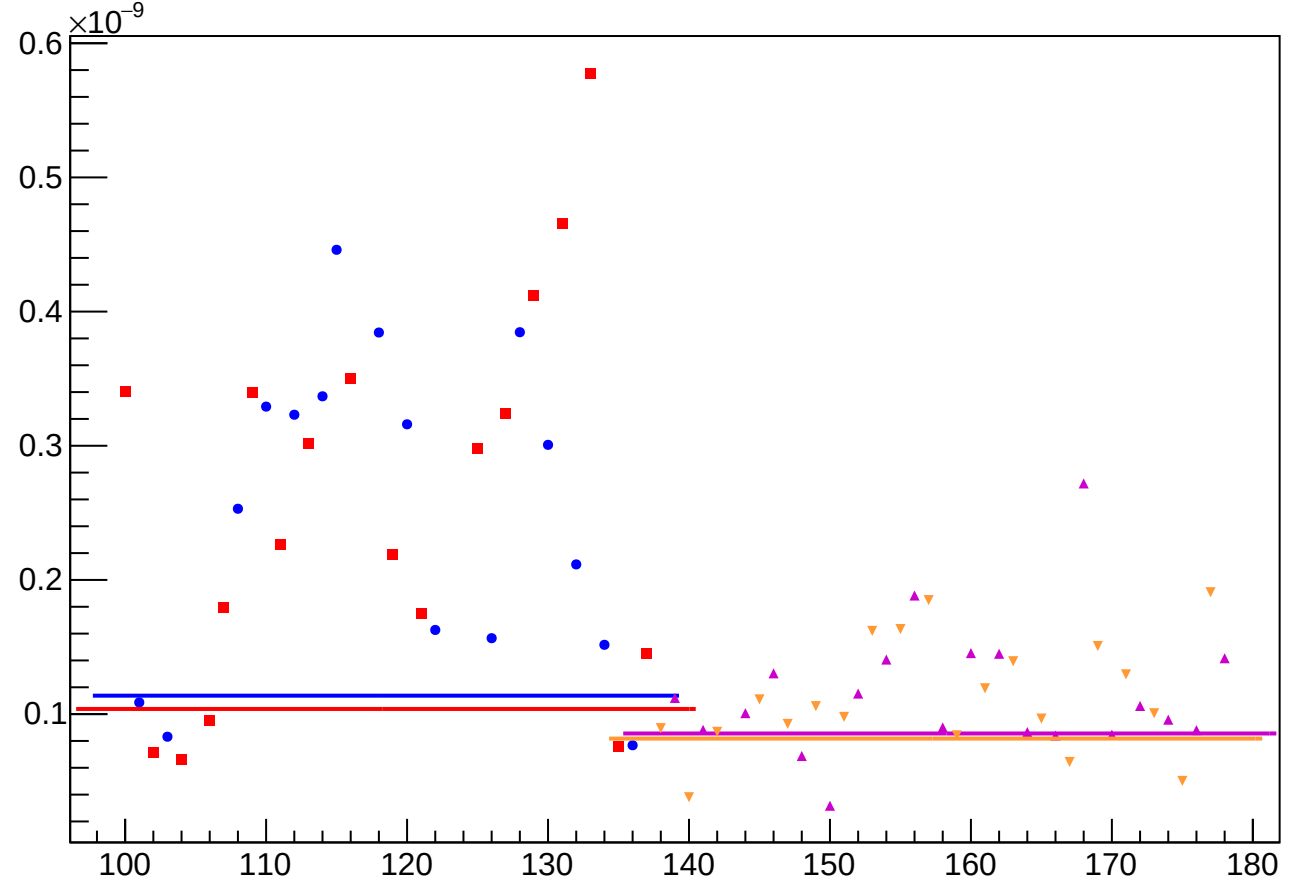
Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: -0.000+/-0.000 χ^2/NDF:20.7/19

+ sign -0.000+/-0.000 χ^2/NDF: 30.3/35

All: -0.000+/-0.000 χ^2/NDF: 68.5/73

- sign 0.000+/-0.000 χ^2/NDF: 38.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1973612.5/19

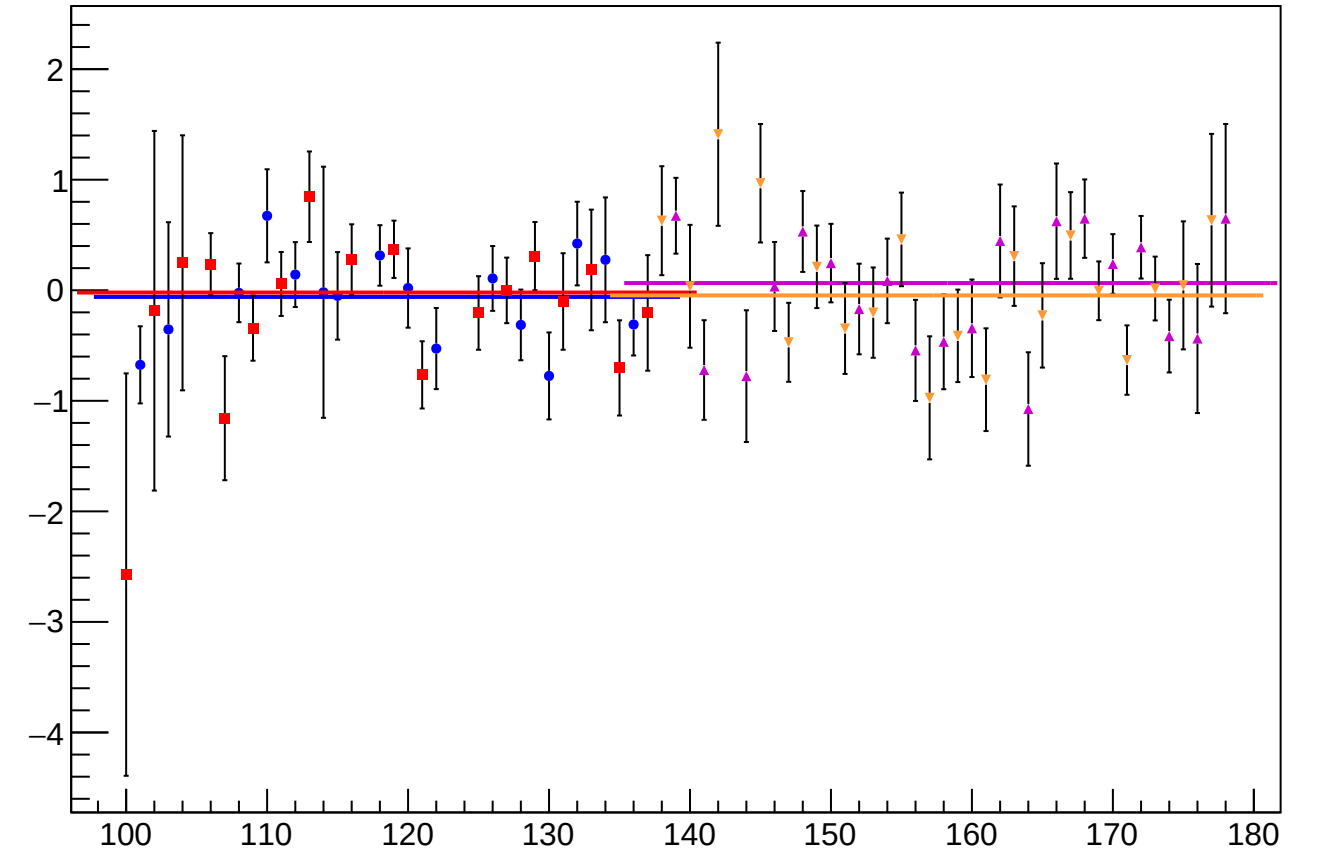
Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2031650.0/19

+ sign 0.000+/-0.000 χ^2/NDF: 3773624.5/35

All: 0.000+/-0.000 χ^2/NDF: 7984623.3/73

- sign 0.000+/-0.000 χ^2/NDF: 4209048.1/37



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.047+/-0.093 χ^2/NDF:25.8/19

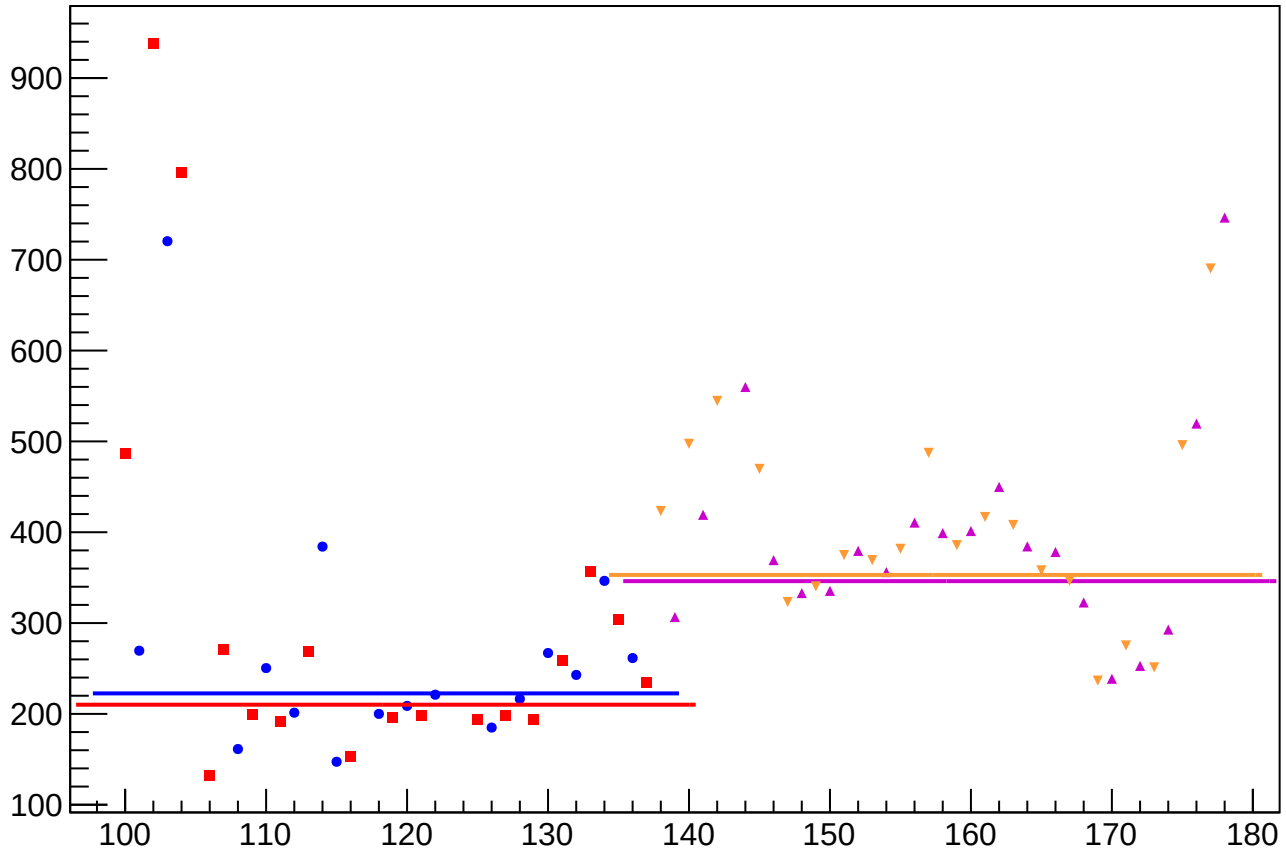
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.065+/-0.090 χ^2/NDF:28.8/19

+ sign -0.054+/-0.064 χ^2/NDF: 43.1/35

All: -0.015+/-0.045 χ^2/NDF: 99.2/73

- sign 0.021+/-0.063 χ^2/NDF: 55.4/37



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 352.981+/-0.066 χ^2/NDF:1857747.6/19

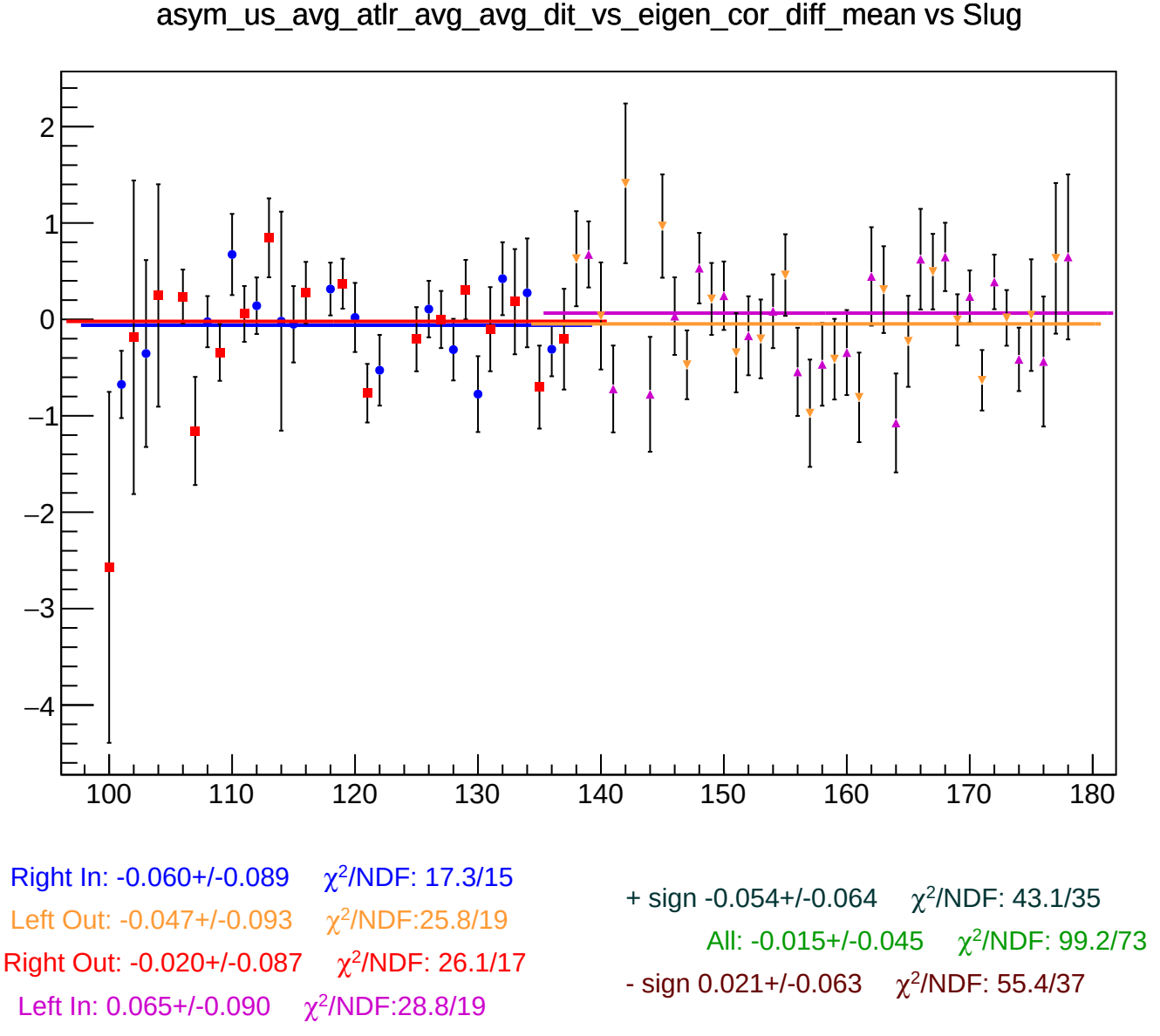
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 346.152+/-0.063 χ^2/NDF:1730434.0/19

+ sign 284.555+/-0.045 χ^2/NDF: 4933404.7/35

All: 280.368+/-0.032 χ^2/NDF: 10587407.8/73

- sign 276.387+/-0.044 χ^2/NDF: 5637417.4/37


asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug
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−4
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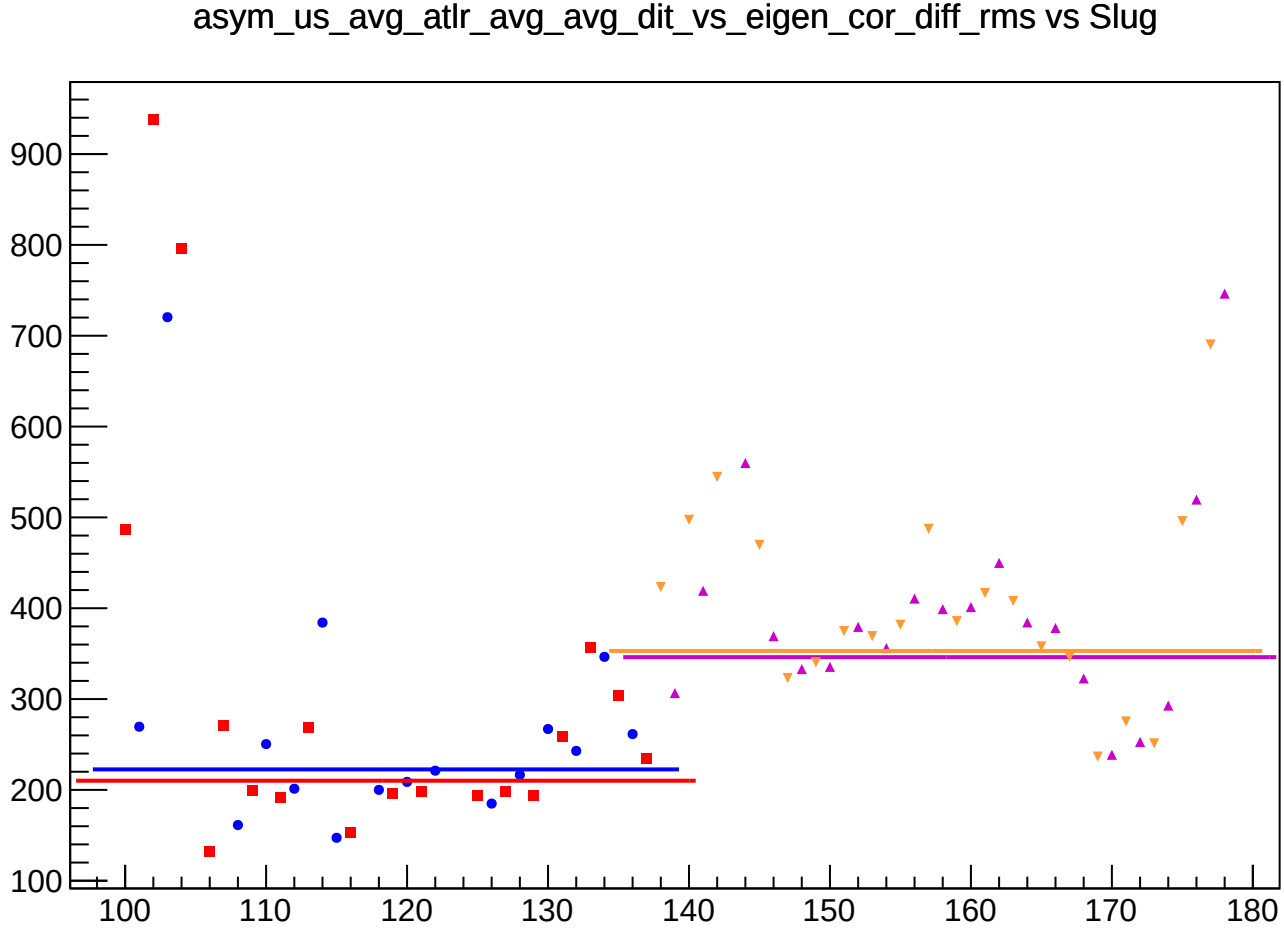
120
130
140
150
160
170
180
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: -0.047+/-0.093 χ²/NDF:25.8/19
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.065+/-0.090 χ²/NDF:28.8/19
+ sign -0.054+/-0.064 χ²/NDF: 43.1/35
All: -0.015+/-0.045 χ²/NDF: 99.2/73
- sign 0.021+/-0.063 χ²/NDF: 55.4/37



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 352.981+/-0.066 χ^2/NDF:1857747.6/19

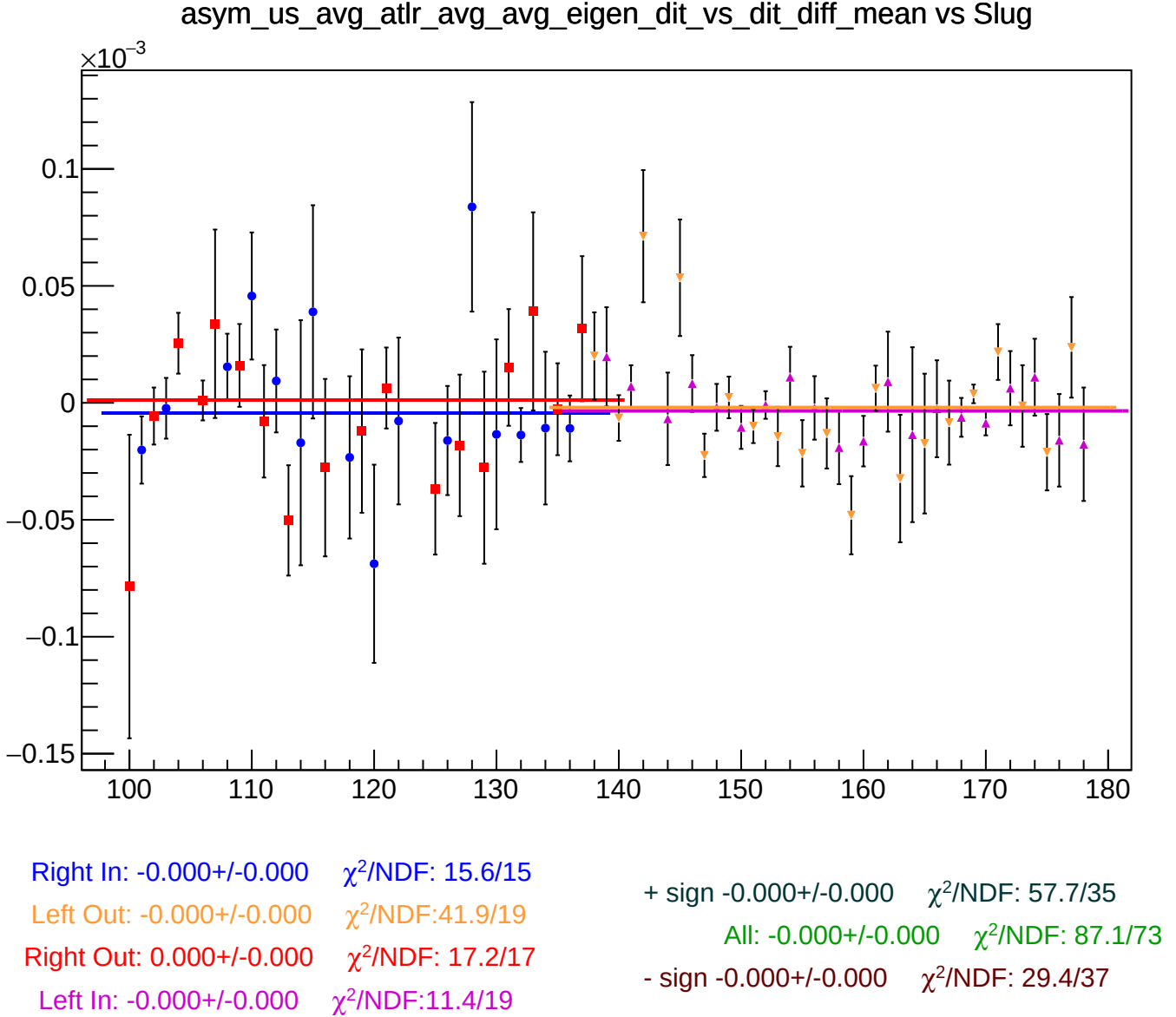
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 346.152+/-0.063 χ^2/NDF:1730434.0/19

+ sign 284.555+/-0.045 χ^2/NDF: 4933404.7/35

All: 280.368+/-0.032 χ^2/NDF: 10587407.8/73

- sign 276.387+/-0.044 χ^2/NDF: 5637417.4/37


asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10^−3
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160
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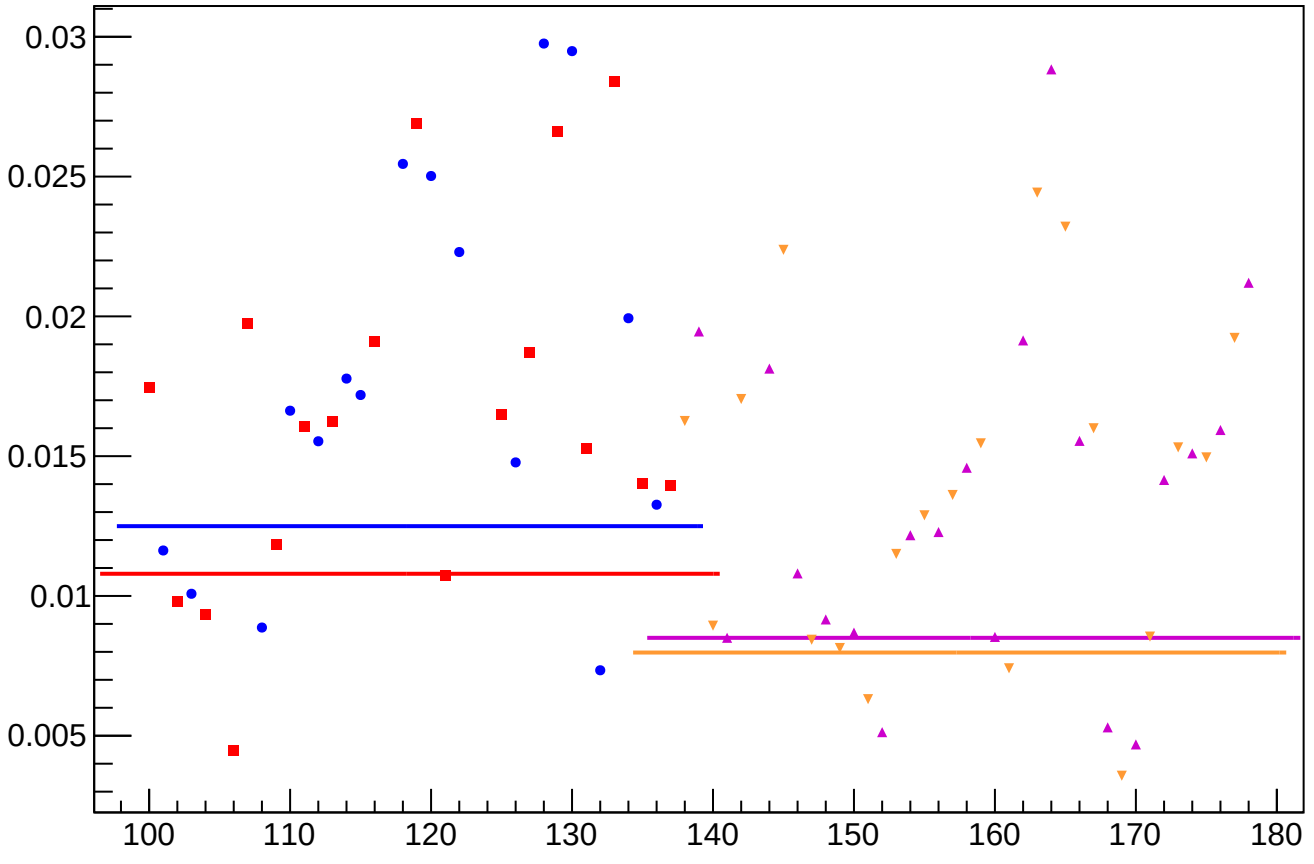
180
Right In: -0.000+/-0.000 χ²/NDF: 15.6/15
Left Out: -0.000+/-0.000 χ²/NDF:41.9/19
Right Out: 0.000+/-0.000 χ²/NDF: 17.2/17
Left In: -0.000+/-0.000 χ²/NDF:11.4/19
+ sign -0.000+/-0.000 χ²/NDF: 57.7/35
All: -0.000+/-0.000 χ²/NDF: 87.1/73
- sign -0.000+/-0.000 χ²/NDF: 29.4/37



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:7859999.5/19

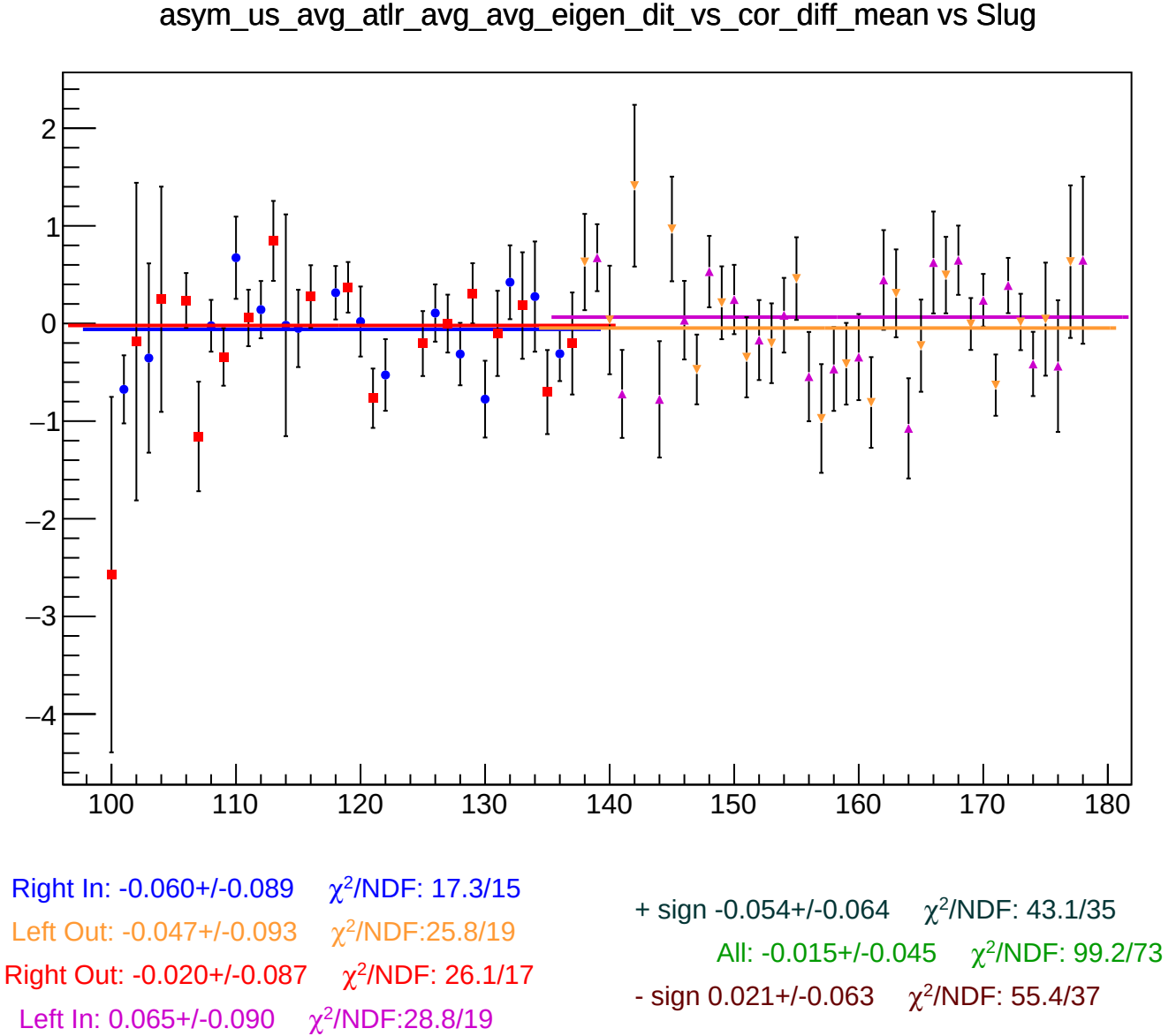
Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

Left In: 0.009+/-0.000 χ^2/NDF:6447158.9/19

+ sign 0.009+/-0.000 χ^2/NDF: 11268346.3/35

All: 0.009+/-0.000 χ^2/NDF: 21101572.4/73

- sign 0.009+/-0.000 χ^2/NDF: 9823377.4/37


asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
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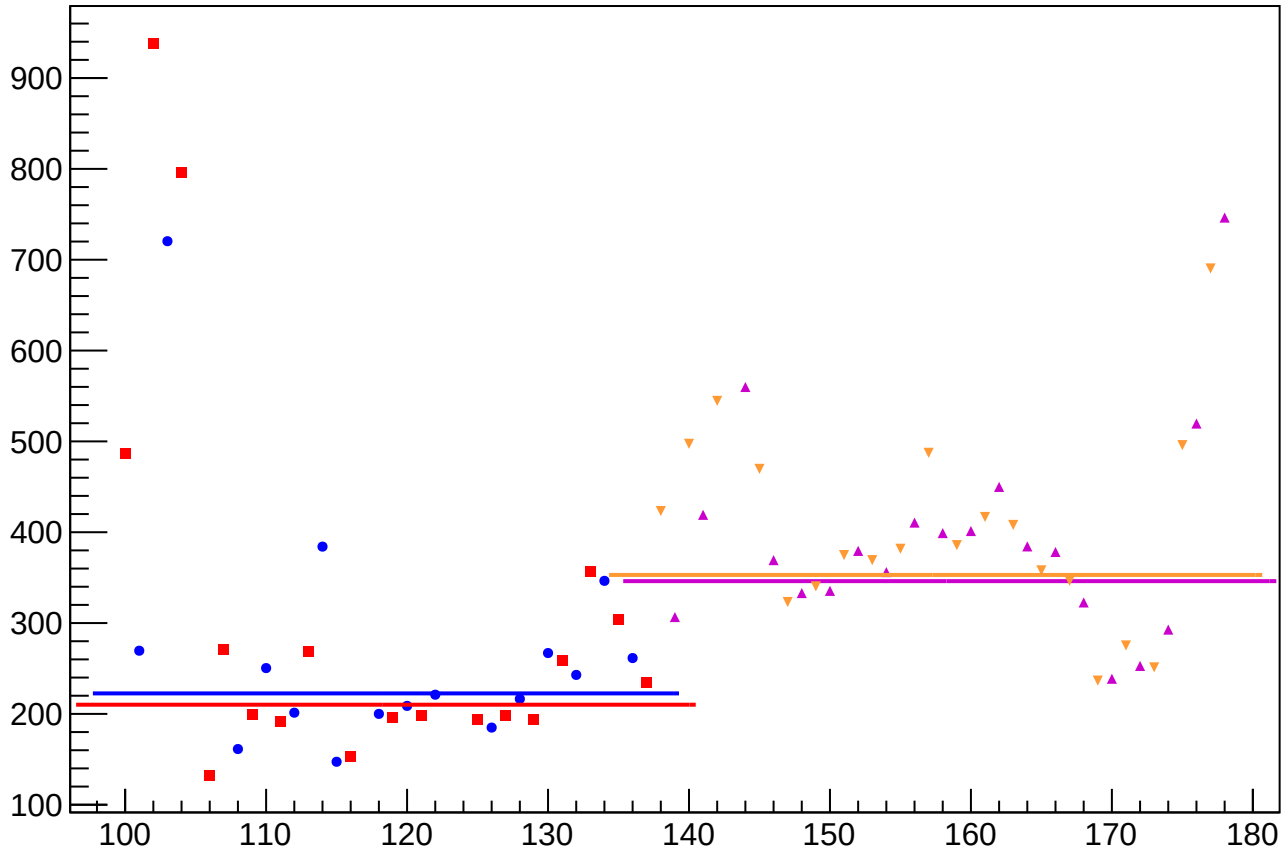
−4
100
110
120
130
140
150
160
170
180
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: -0.047+/-0.093 χ²/NDF:25.8/19
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.065+/-0.090 χ²/NDF:28.8/19
+ sign -0.054+/-0.064 χ²/NDF: 43.1/35
All: -0.015+/-0.045 χ²/NDF: 99.2/73
- sign 0.021+/-0.063 χ²/NDF: 55.4/37



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 352.981+/-0.066 χ^2/NDF:1857930.6/19

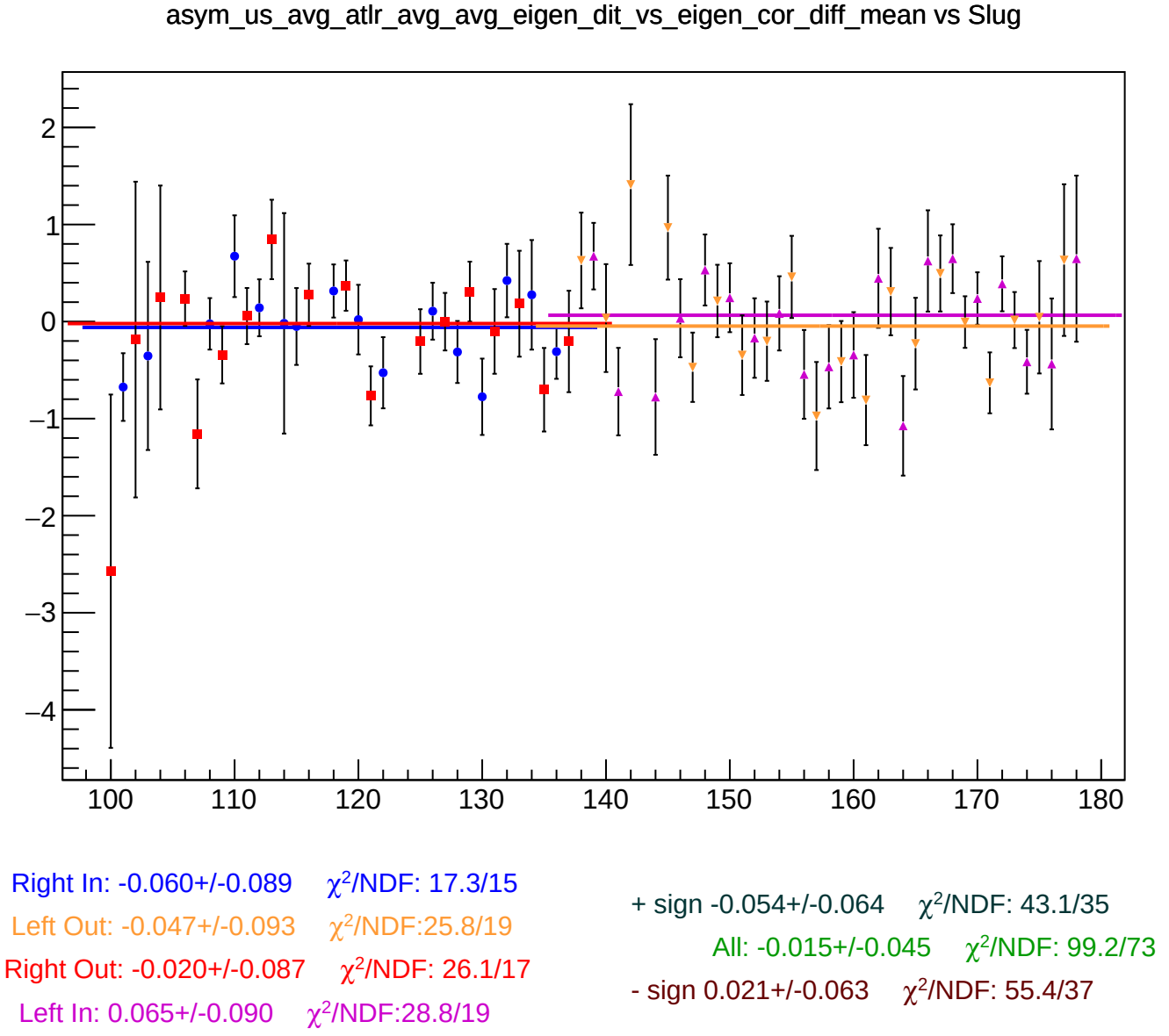
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

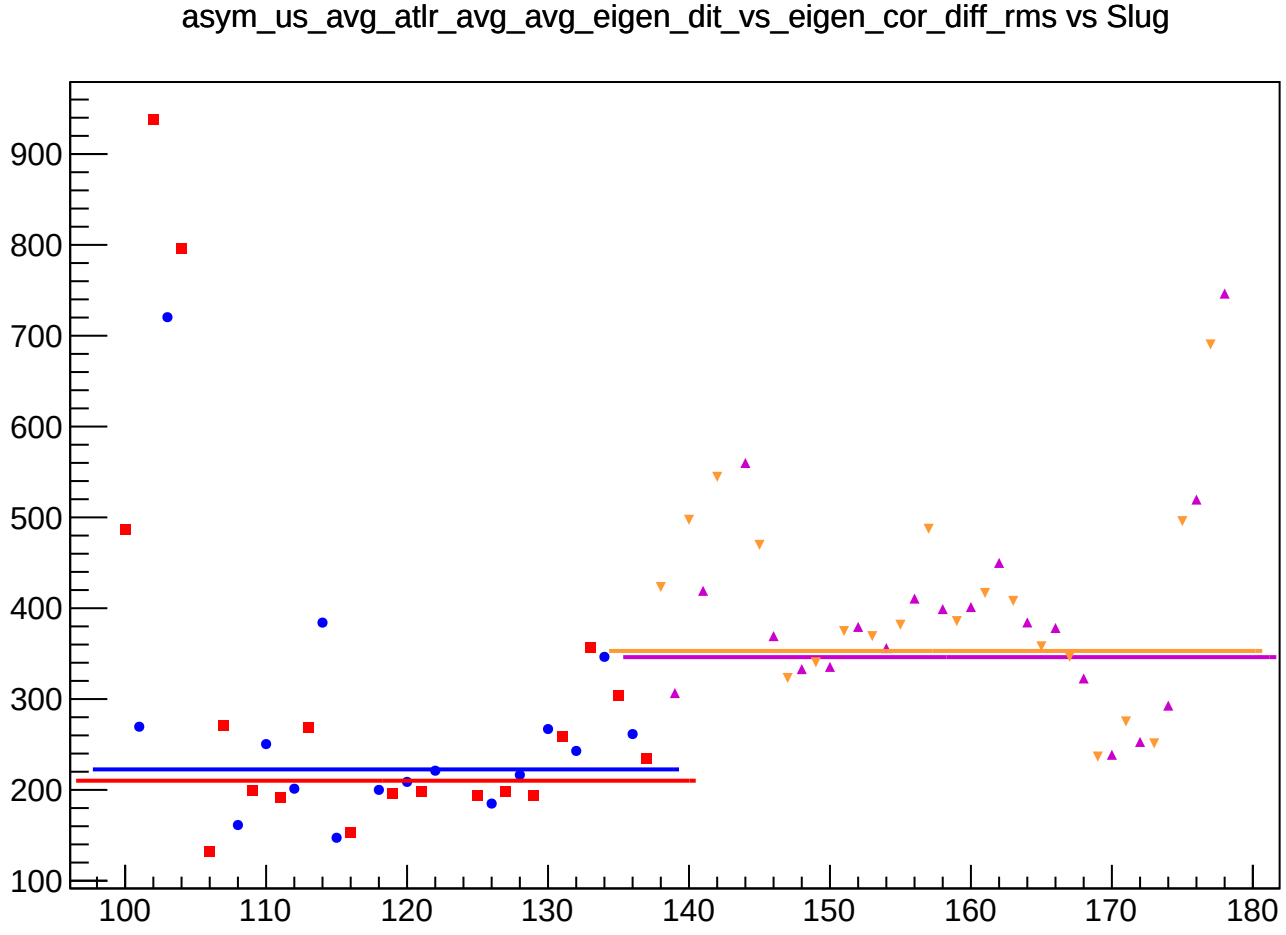
Left In: 346.153+/-0.063 χ^2/NDF:1730583.4/19

+ sign 284.553+/-0.045 χ^2/NDF: 4933639.7/35

All: 280.366+/-0.032 χ^2/NDF: 10587926.1/73

- sign 276.385+/-0.044 χ^2/NDF: 5637699.3/37


asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: -0.047+/-0.093 χ²/NDF:25.8/19
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.065+/-0.090 χ²/NDF:28.8/19
+ sign -0.054+/-0.064 χ²/NDF: 43.1/35
All: -0.015+/-0.045 χ²/NDF: 99.2/73
- sign 0.021+/-0.063 χ²/NDF: 55.4/37



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 352.981+/-0.066 χ^2/NDF:1857930.6/19

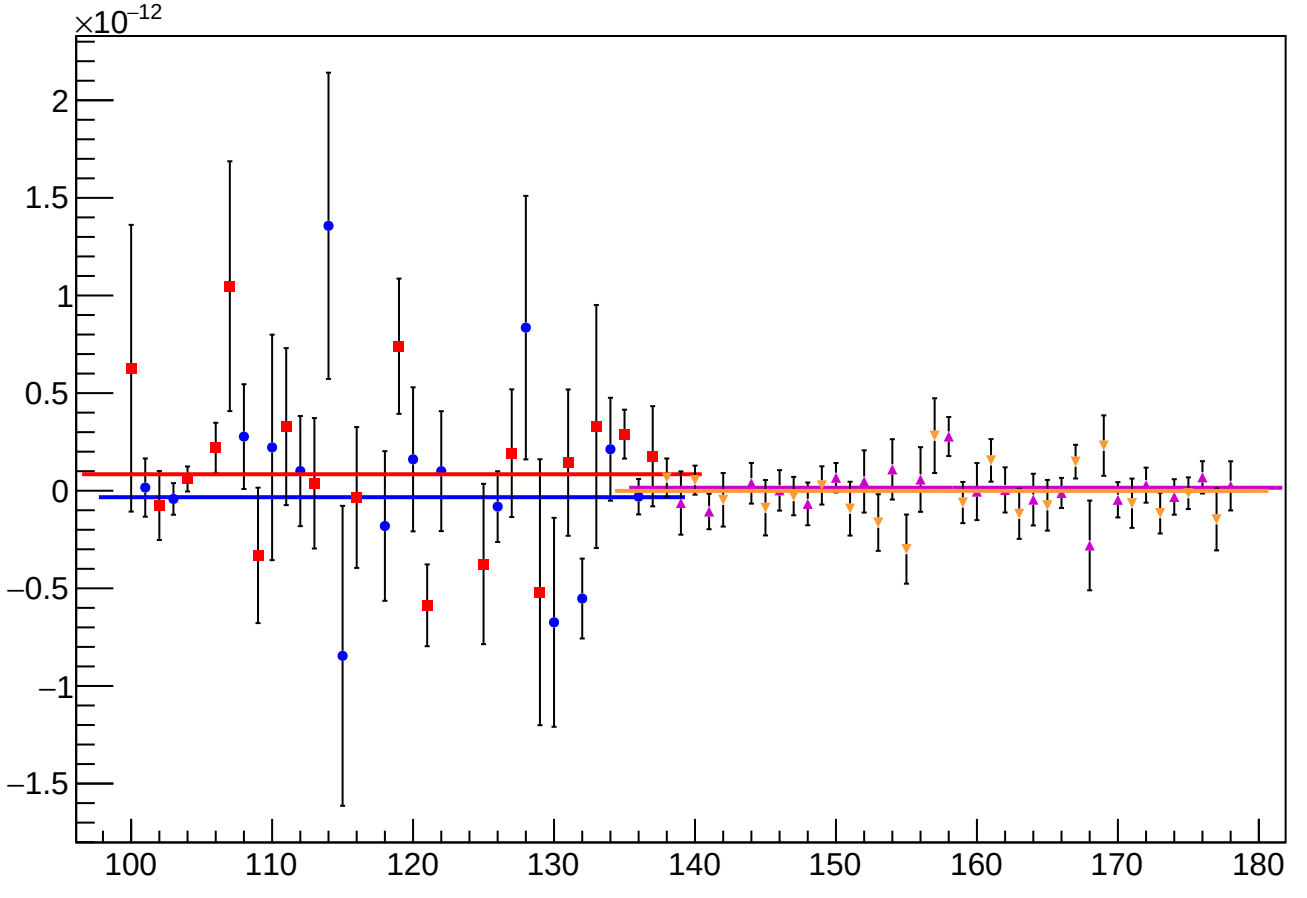
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 346.153+/-0.063 χ^2/NDF:1730583.4/19

+ sign 284.553+/-0.045 χ^2/NDF: 4933639.7/35

All: 280.366+/-0.032 χ^2/NDF: 10587926.1/73

- sign 276.385+/-0.044 χ^2/NDF: 5637699.3/37



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.5/19

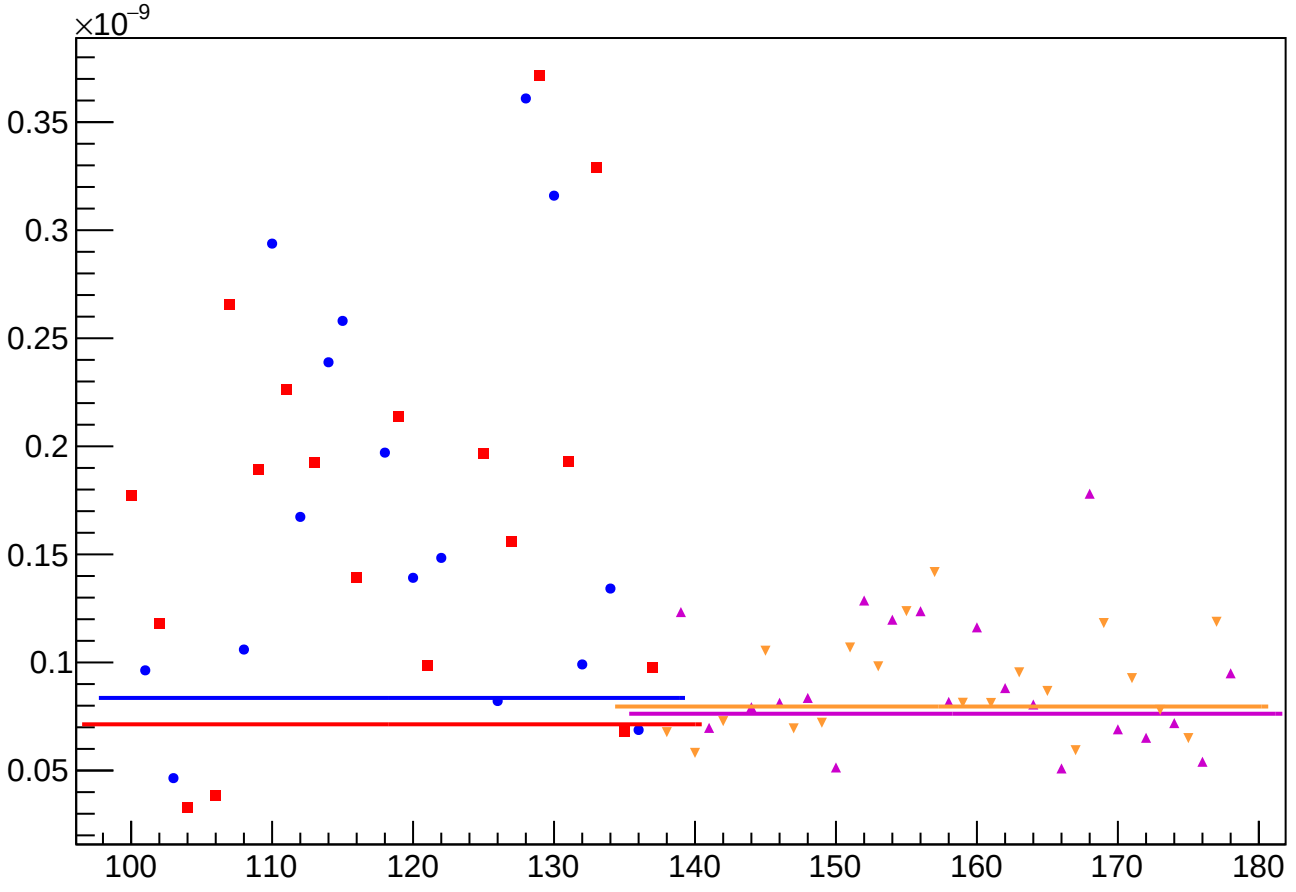
Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/17

Left In: 0.000+/-0.000 χ^2/NDF:13.7/19

+ sign -0.000+/-0.000 χ^2/NDF: 37.1/35

All: 0.000+/-0.000 χ^2/NDF: 80.1/73

- sign 0.000+/-0.000 χ^2/NDF: 41.4/37



Right In: 0.000+/-0.000 χ^2/NDF: 2235431.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1226625.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3745180.4/17

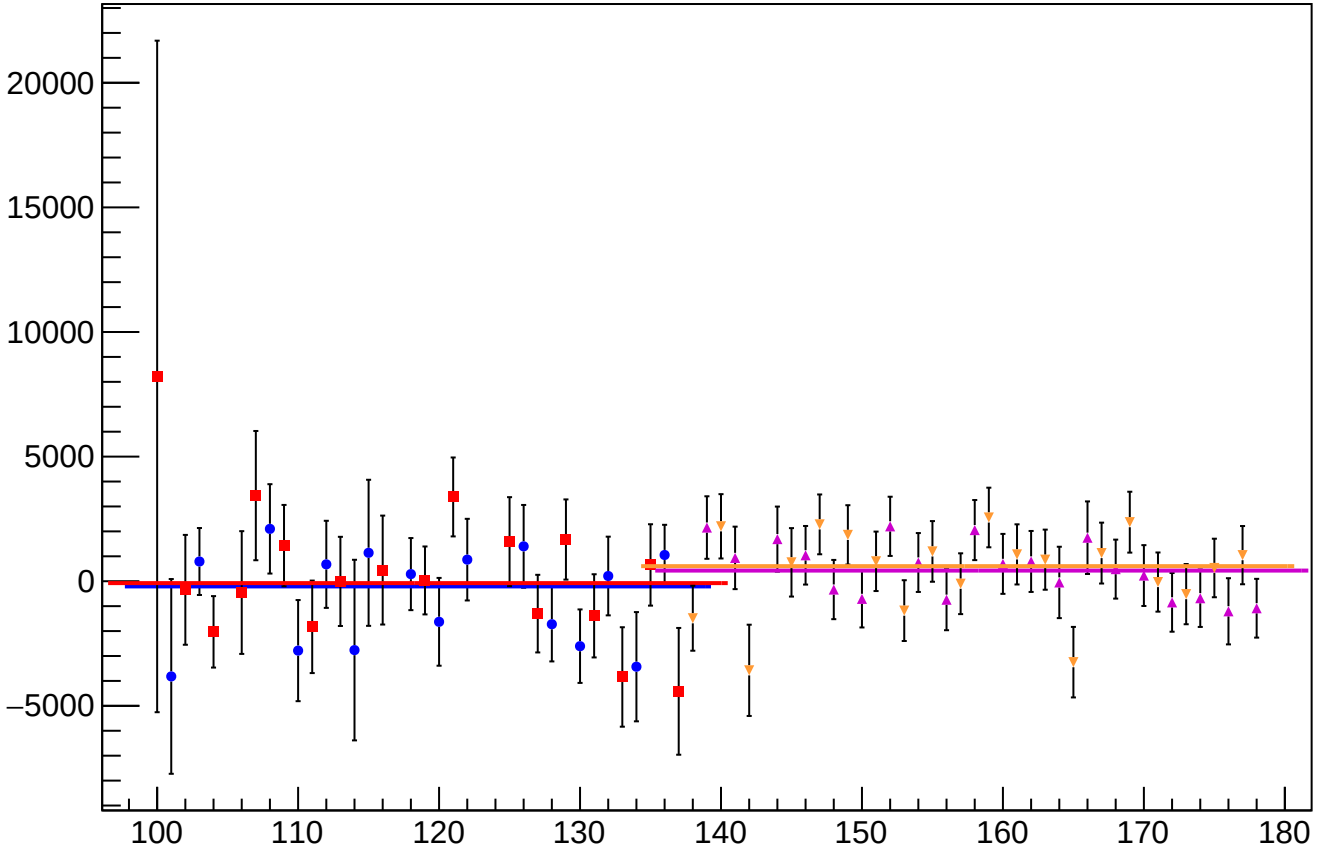
Left In: 0.000+/-0.000 χ^2/NDF:1973209.3/19

+ sign 0.000+/-0.000 χ^2/NDF: 3473133.2/35

All: 0.000+/-0.000 χ^2/NDF: 9271071.2/73

- sign 0.000+/-0.000 χ^2/NDF: 5737300.7/37

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.338+/-429.155 χ^2/NDF: 14.8/15

Left Out: 604.791+/-278.341 χ^2/NDF:29.0/19

Right Out: -75.616+/-430.760 χ^2/NDF: 20.7/17

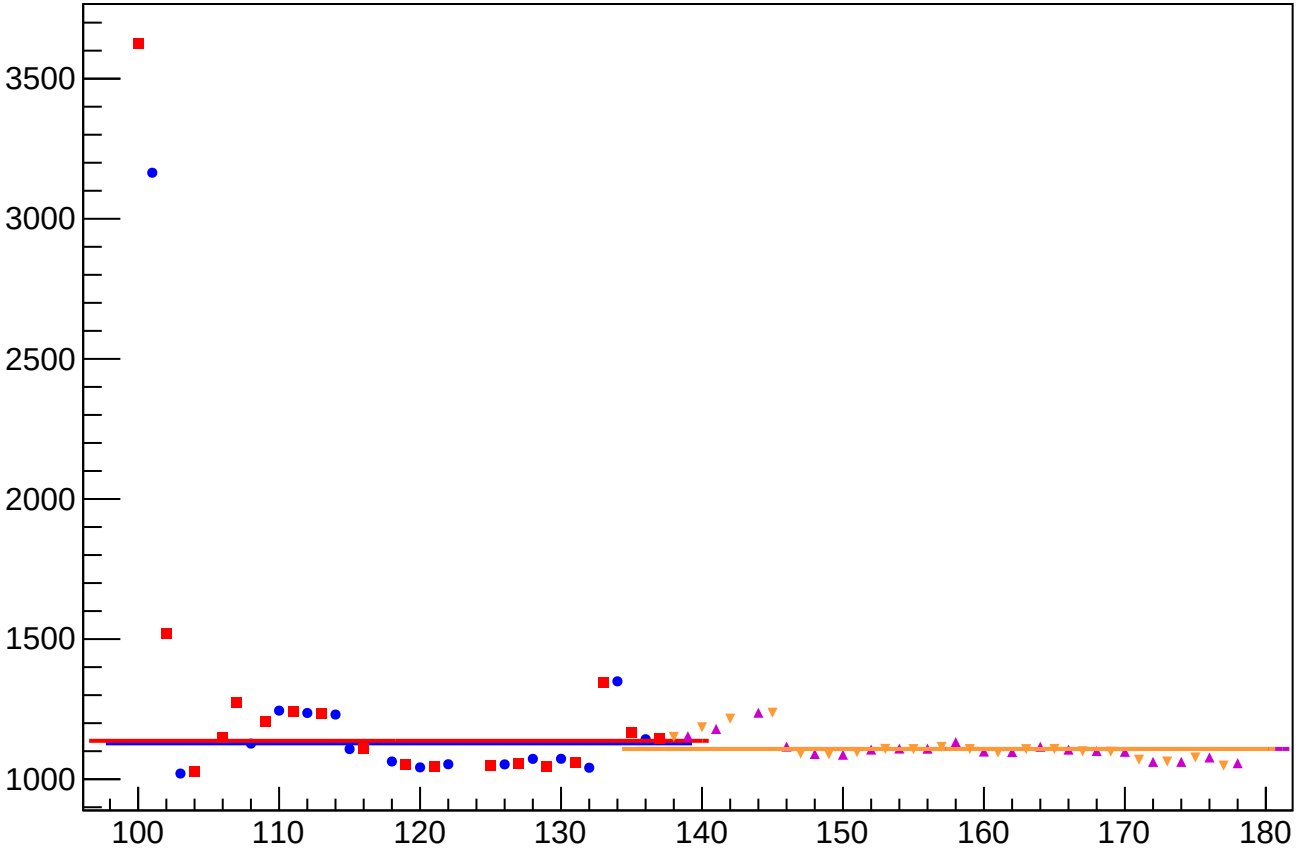
Left In: 427.251+/-274.258 χ^2/NDF:16.0/19

+ sign 364.023+/-233.525 χ^2/NDF: 46.3/35

All: 322.730+/-164.352 χ^2/NDF: 84.0/73

- sign 282.204+/-231.347 χ^2/NDF: 37.7/37

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1107.801+/-0.197 χ^2/NDF:46923.9/19

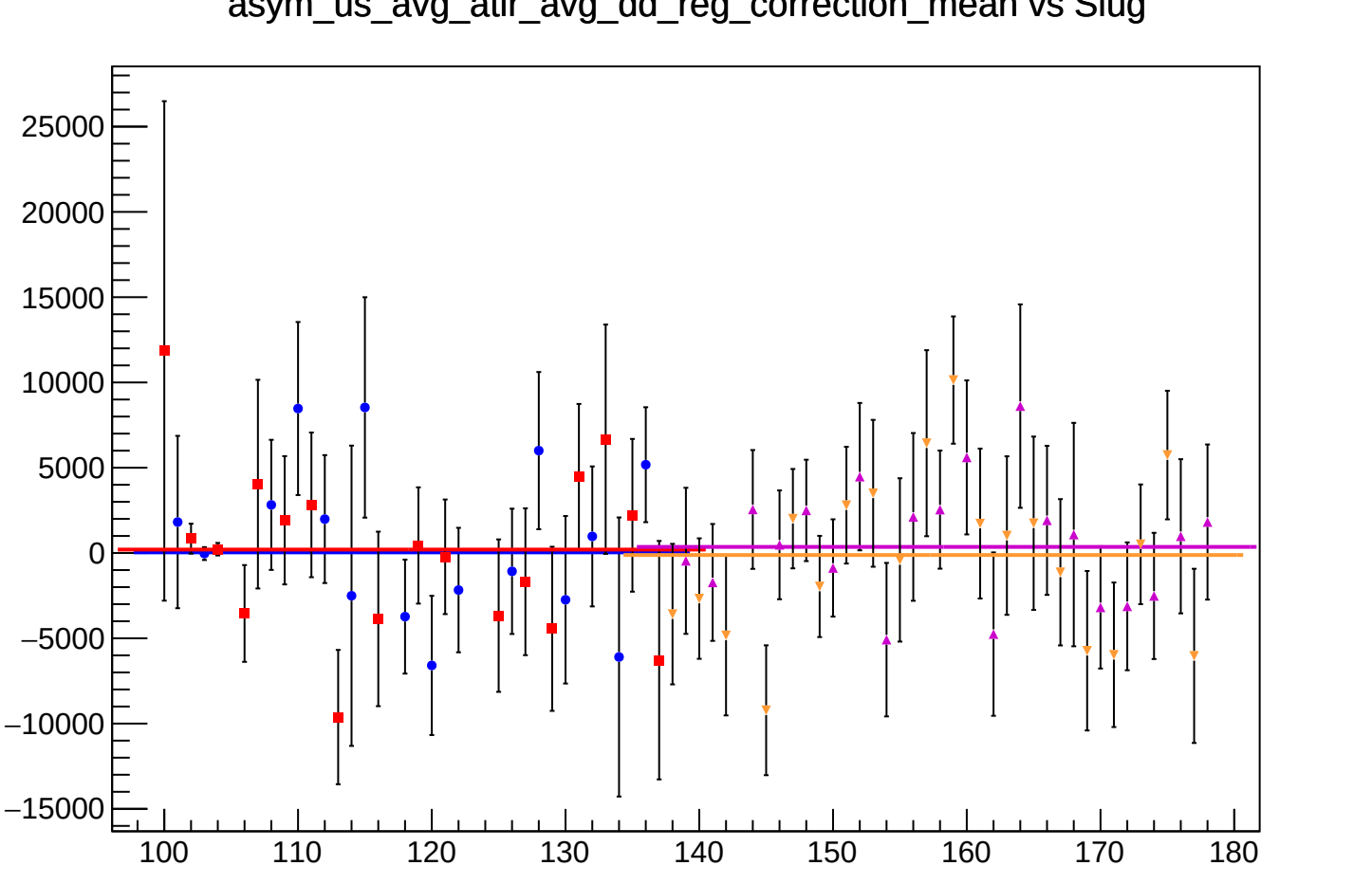
Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1108.037+/-0.194 χ^2/NDF:42411.4/19

+ sign 1113.784+/-0.165 χ^2/NDF: 671439.4/35

All: 1115.117+/-0.116 χ^2/NDF: 940534.7/73

- sign 1116.425+/-0.164 χ^2/NDF: 268966.2/37



Right In: 38.300+/-357.651 χ^2/NDF: 14.8/15

Left Out: -117.428+/-892.350 χ^2/NDF:26.9/19

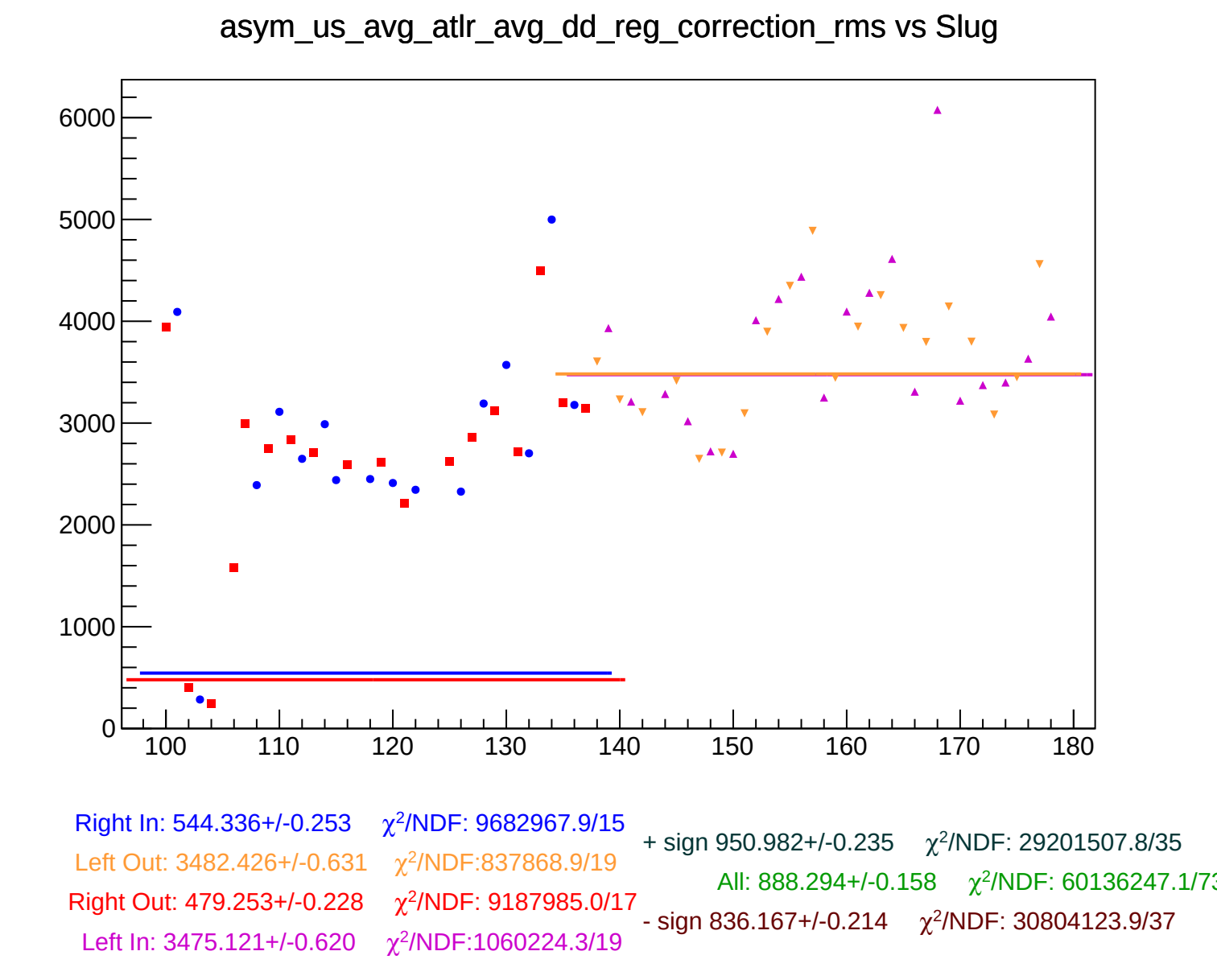
Right Out: 201.642+/-322.545 χ^2/NDF: 15.6/17

Left In: 358.505+/-877.049 χ^2/NDF:11.5/19

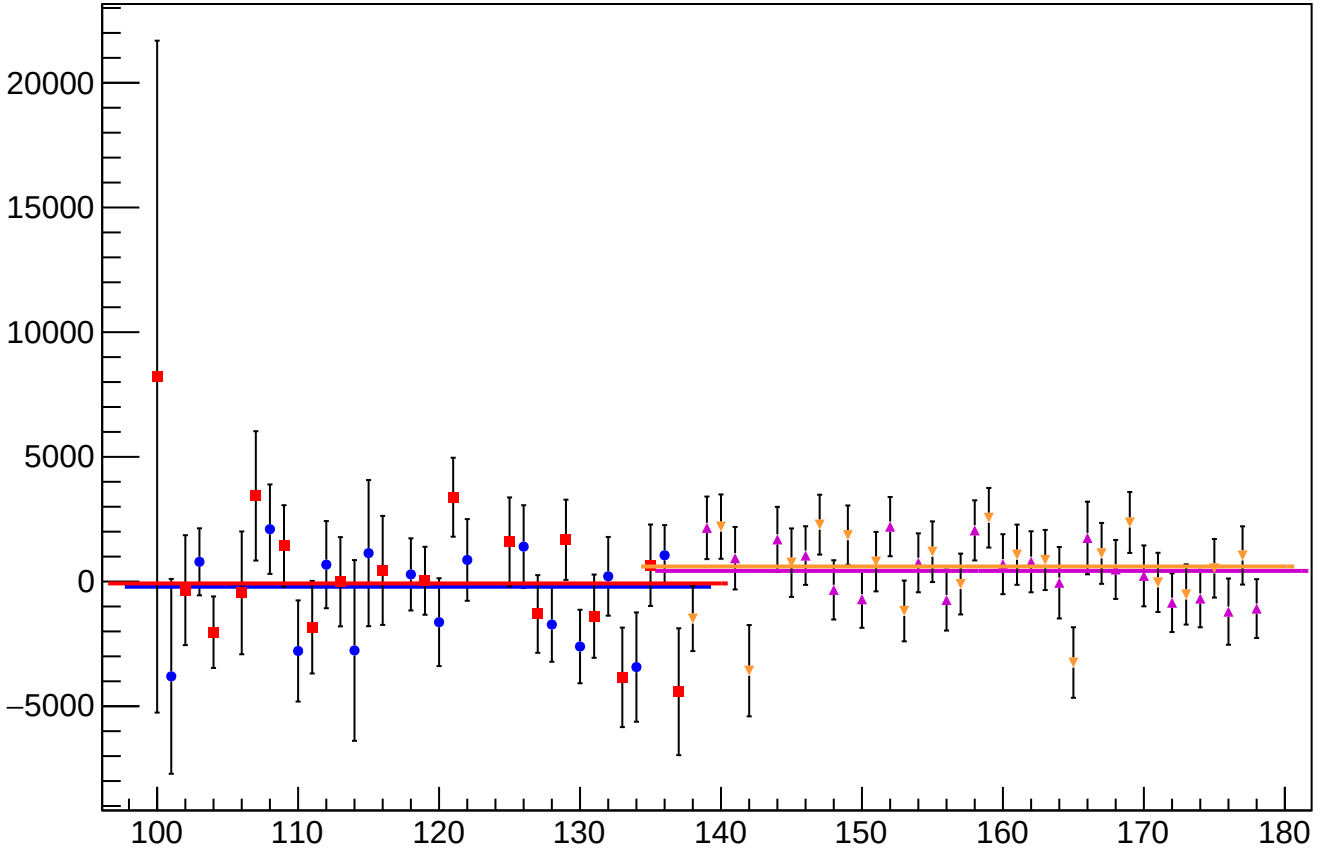
+ sign 16.747+/-331.980 χ^2/NDF: 41.8/35

All: 127.903+/-223.687 χ^2/NDF: 69.1/73

- sign 220.330+/-302.723 χ^2/NDF: 27.2/37


asym_us_avg_atlr_avg_dd_reg_correction_rms vs Slug
6000
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
170
180
Right In: 544.336+/-0.253 χ²/NDF: 9682967.9/15
Left Out: 3482.426+/-0.631 χ²/NDF:837868.9/19
Right Out: 479.253+/-0.228 χ²/NDF: 9187985.0/17
Left In: 3475.121+/-0.620 χ²/NDF:1060224.3/19
+ sign 950.982+/-0.235 χ²/NDF: 29201507.8/35
All: 888.294+/-0.158 χ²/NDF: 60136247.1/73
- sign 836.167+/-0.214 χ²/NDF: 30804123.9/37

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 604.856+/-278.341 χ^2/NDF:29.0/19

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

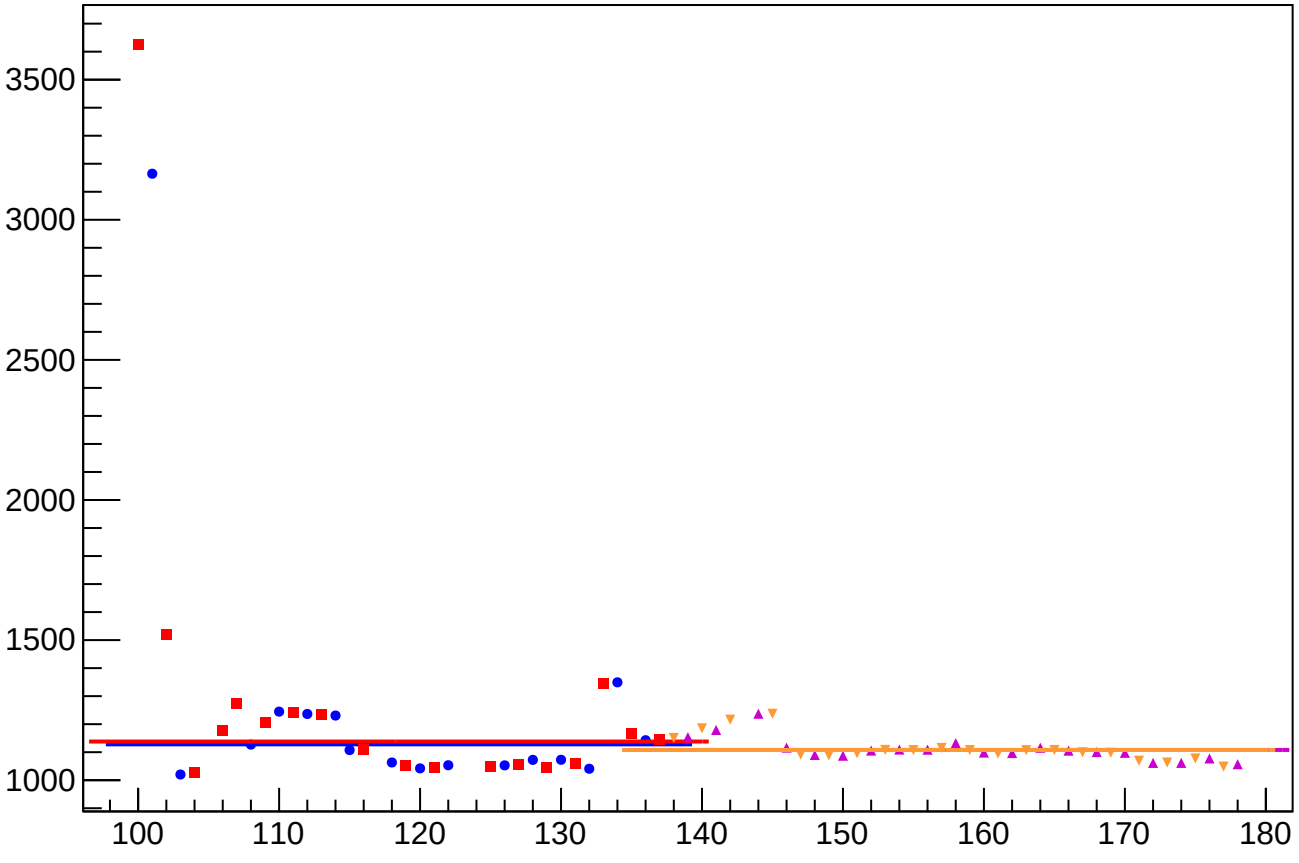
Left In: 427.236+/-274.258 χ^2/NDF:16.0/19

+ sign 364.137+/-233.525 χ^2/NDF: 46.3/35

All: 322.760+/-164.352 χ^2/NDF: 84.0/73

- sign 282.151+/-231.347 χ^2/NDF: 37.7/37

cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1107.801+/-0.197 χ^2/NDF:46923.9/19

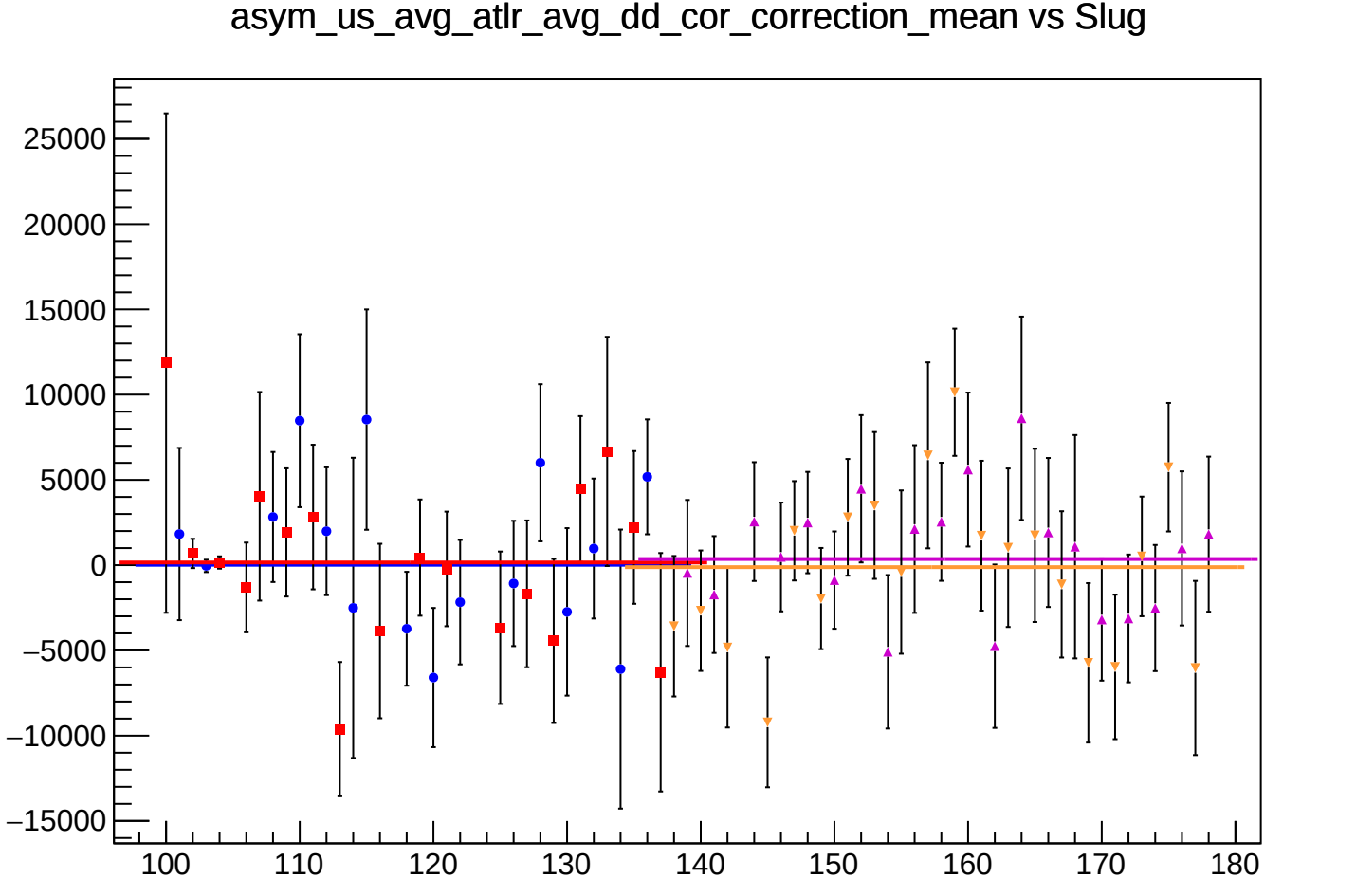
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1108.037+/-0.194 χ^2/NDF:42411.4/19

+ sign 1113.784+/-0.165 χ^2/NDF: 671440.4/35

All: 1115.249+/-0.116 χ^2/NDF: 941523.1/73

- sign 1116.686+/-0.164 χ^2/NDF: 269926.7/37



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -117.383+/-892.351 χ^2/NDF:26.9/19

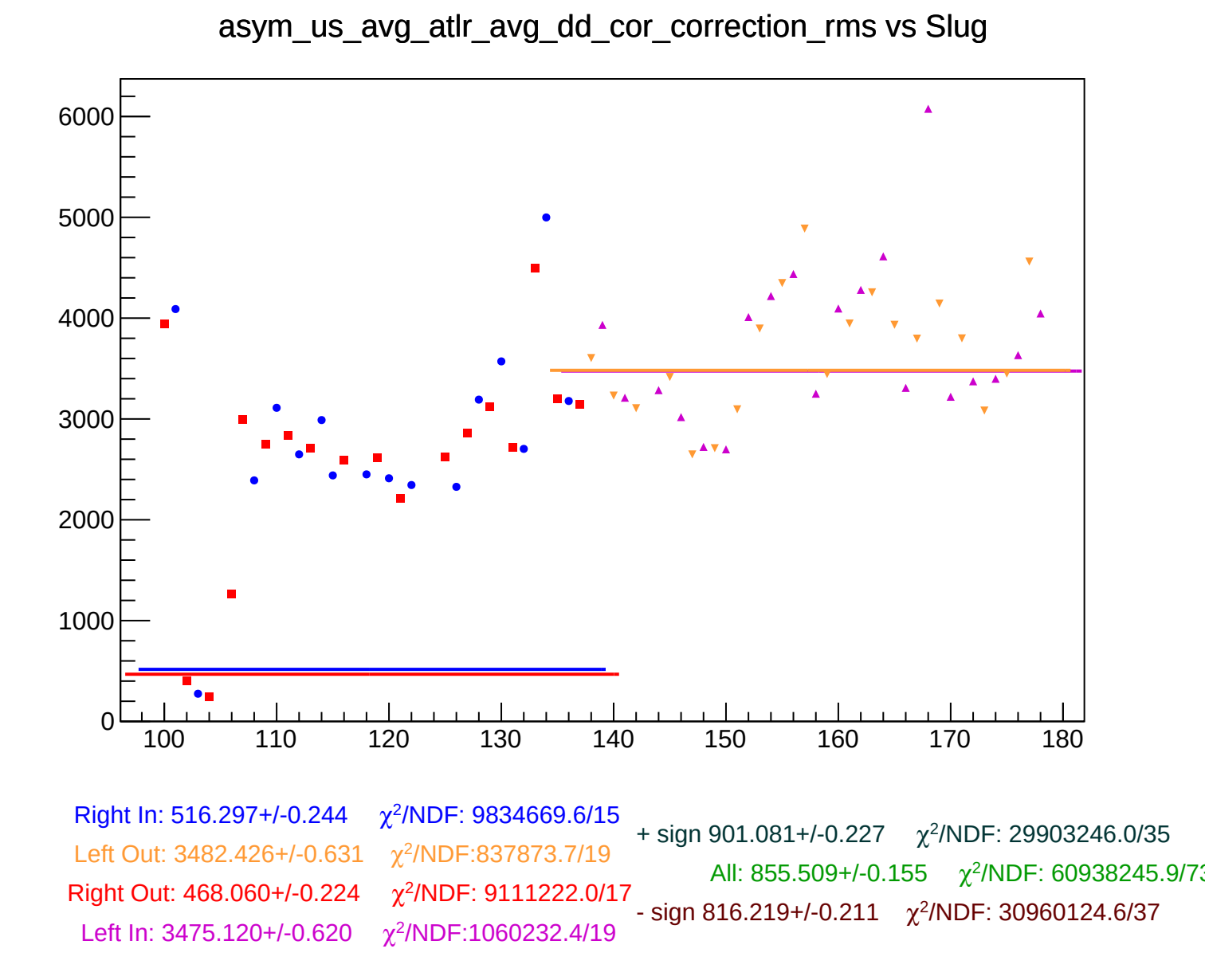
Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

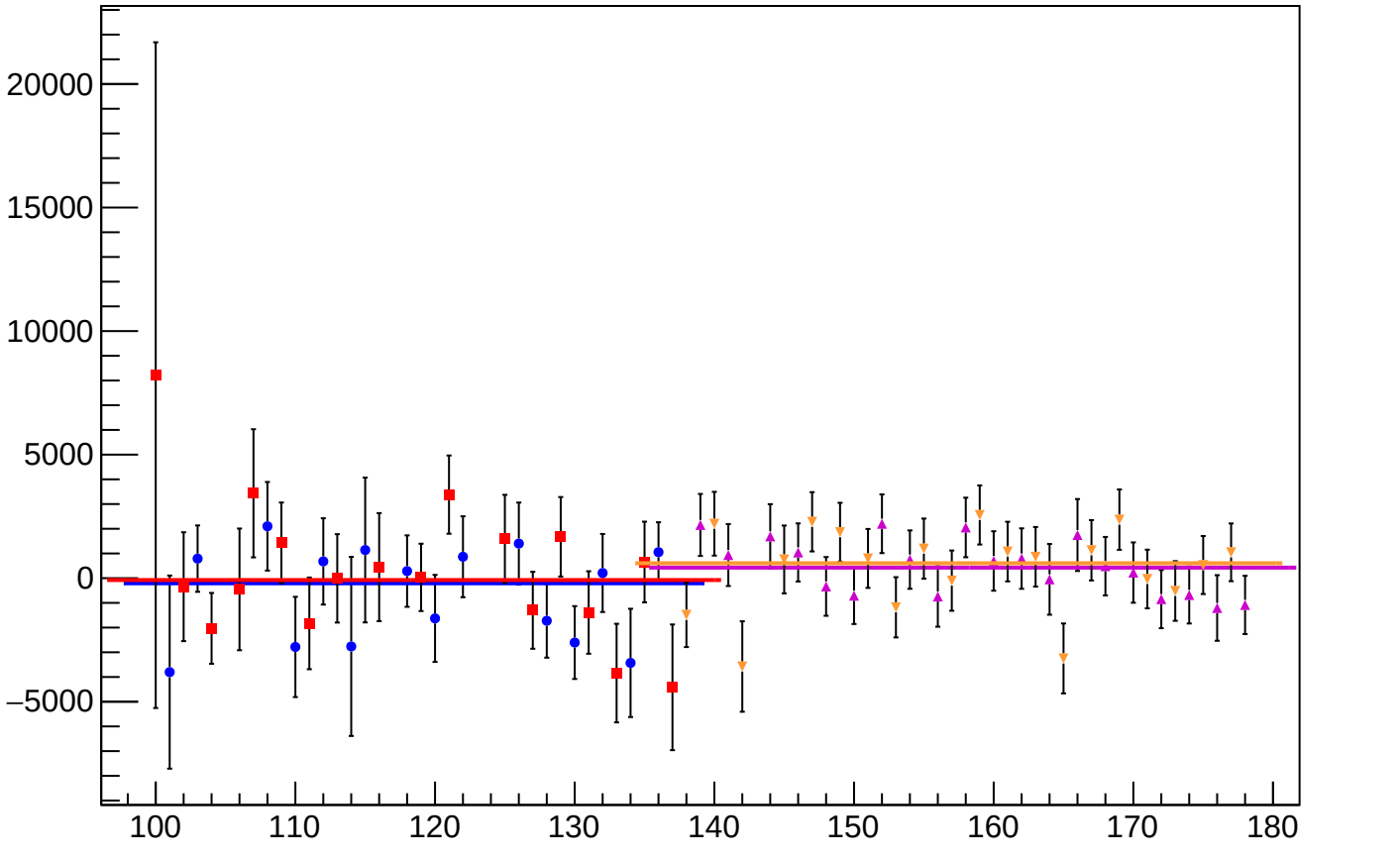
Left In: 358.531+/-877.049 χ^2/NDF:11.5/19

+ sign 3.610+/-321.402 χ^2/NDF: 41.8/35

All: 98.147+/-218.693 χ^2/NDF: 67.5/73

- sign 179.653+/-298.430 χ^2/NDF: 25.6/37


asym_us_avg_atlr_avg_dd_cor_correction_rms vs Slug
6000
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
170
180
Right In: 516.297+/-0.244 χ²/NDF: 9834669.6/15
Left Out: 3482.426+/-0.631 χ²/NDF:837873.7/19
Right Out: 468.060+/-0.224 χ²/NDF: 9111222.0/17
Left In: 3475.120+/-0.620 χ²/NDF:1060232.4/19
+ sign 901.081+/-0.227 χ²/NDF: 29903246.0/35
All: 855.509+/-0.155 χ²/NDF: 60938245.9/73
- sign 816.219+/-0.211 χ²/NDF: 30960124.6/37



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 604.856+/-278.341 χ^2/NDF:29.0/19

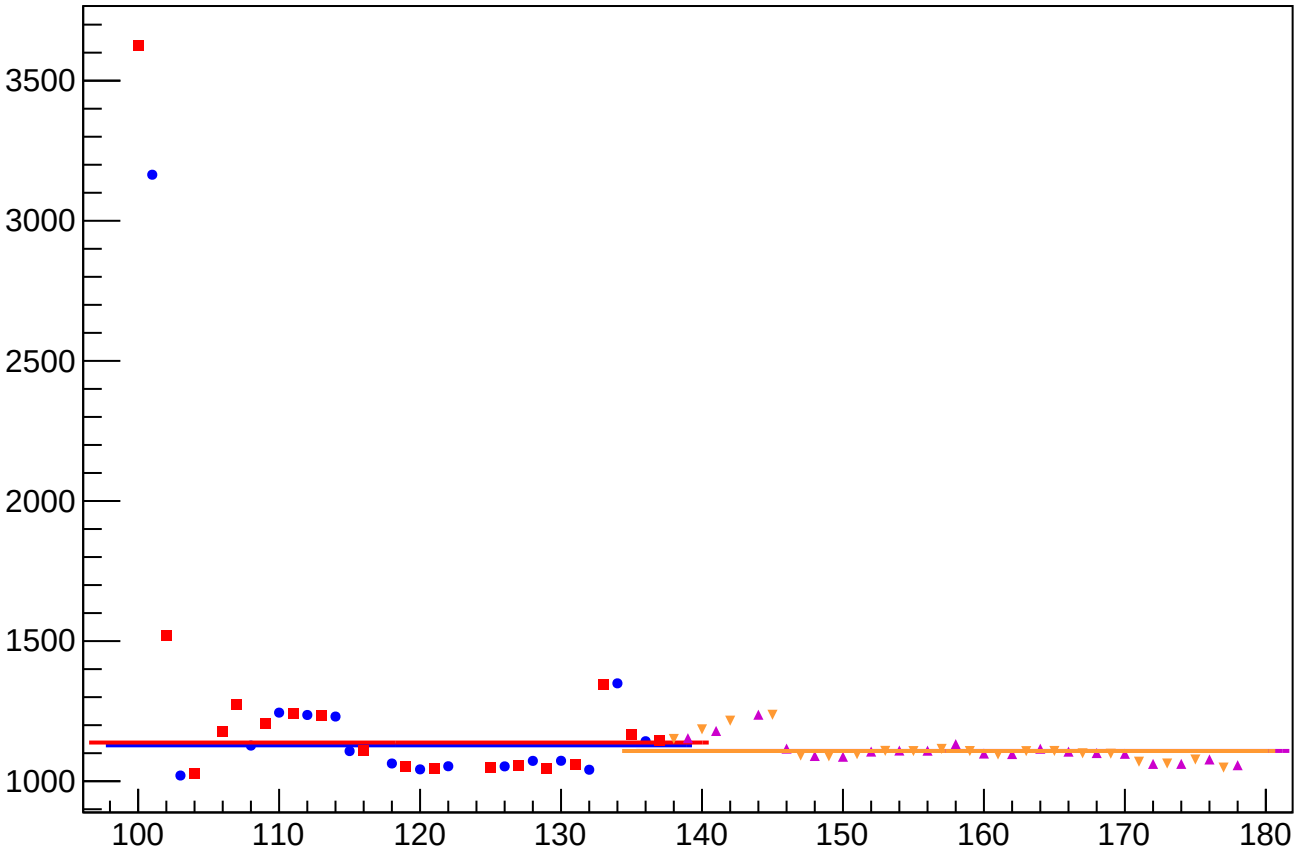
Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: 427.236+/-274.258 χ^2/NDF:16.0/19

+ sign 364.137+/-233.525 χ^2/NDF: 46.3/35

All: 322.760+/-164.352 χ^2/NDF: 84.0/73

- sign 282.151+/-231.347 χ^2/NDF: 37.7/37



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1107.801+/-0.197 χ^2/NDF:46923.9/19

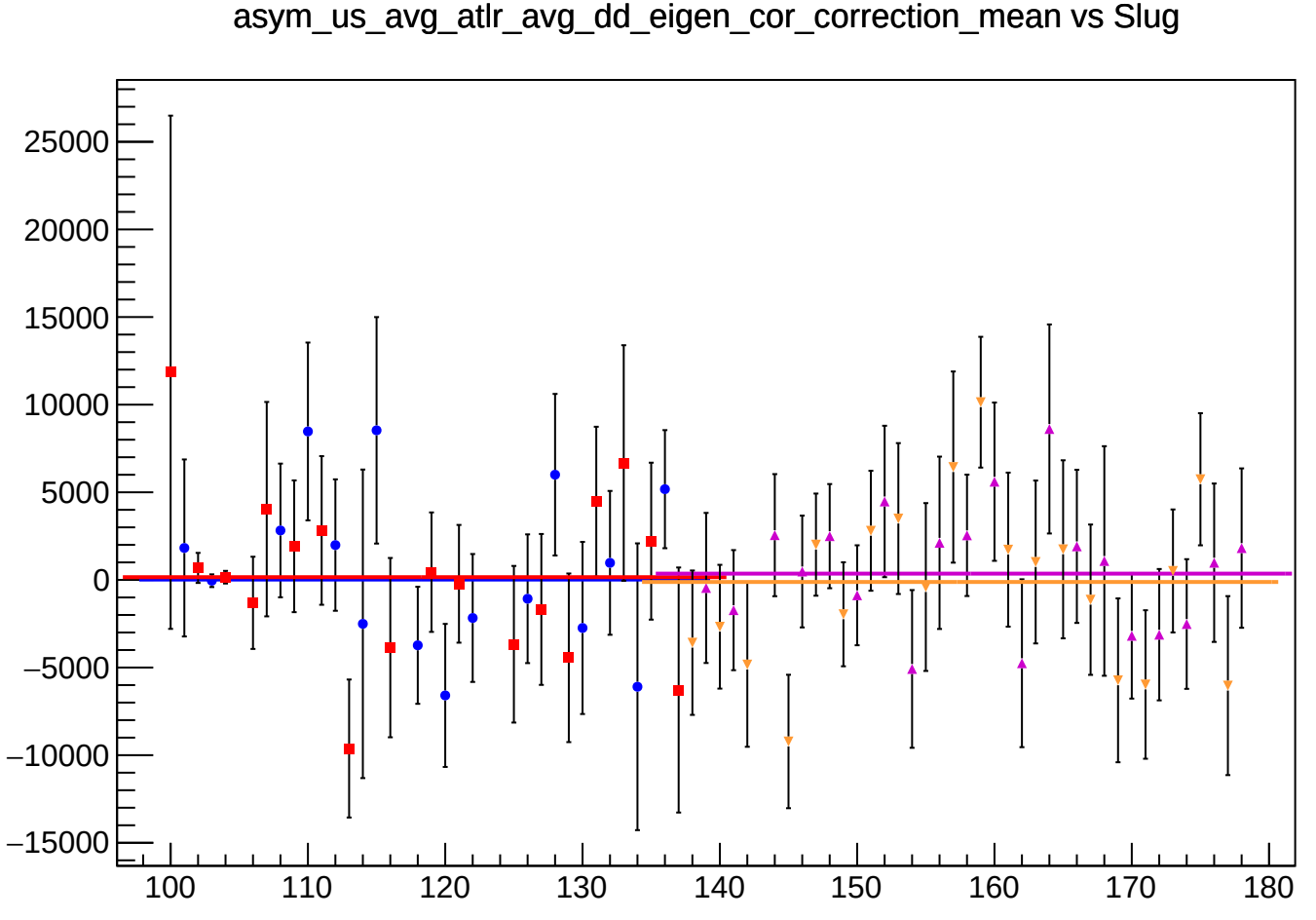
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1108.037+/-0.194 χ^2/NDF:42411.4/19

+ sign 1113.784+/-0.165 χ^2/NDF: 671440.4/35

All: 1115.249+/-0.116 χ^2/NDF: 941523.1/73

- sign 1116.686+/-0.164 χ^2/NDF: 269926.7/37



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -117.383+/-892.351 χ^2/NDF:26.9/19

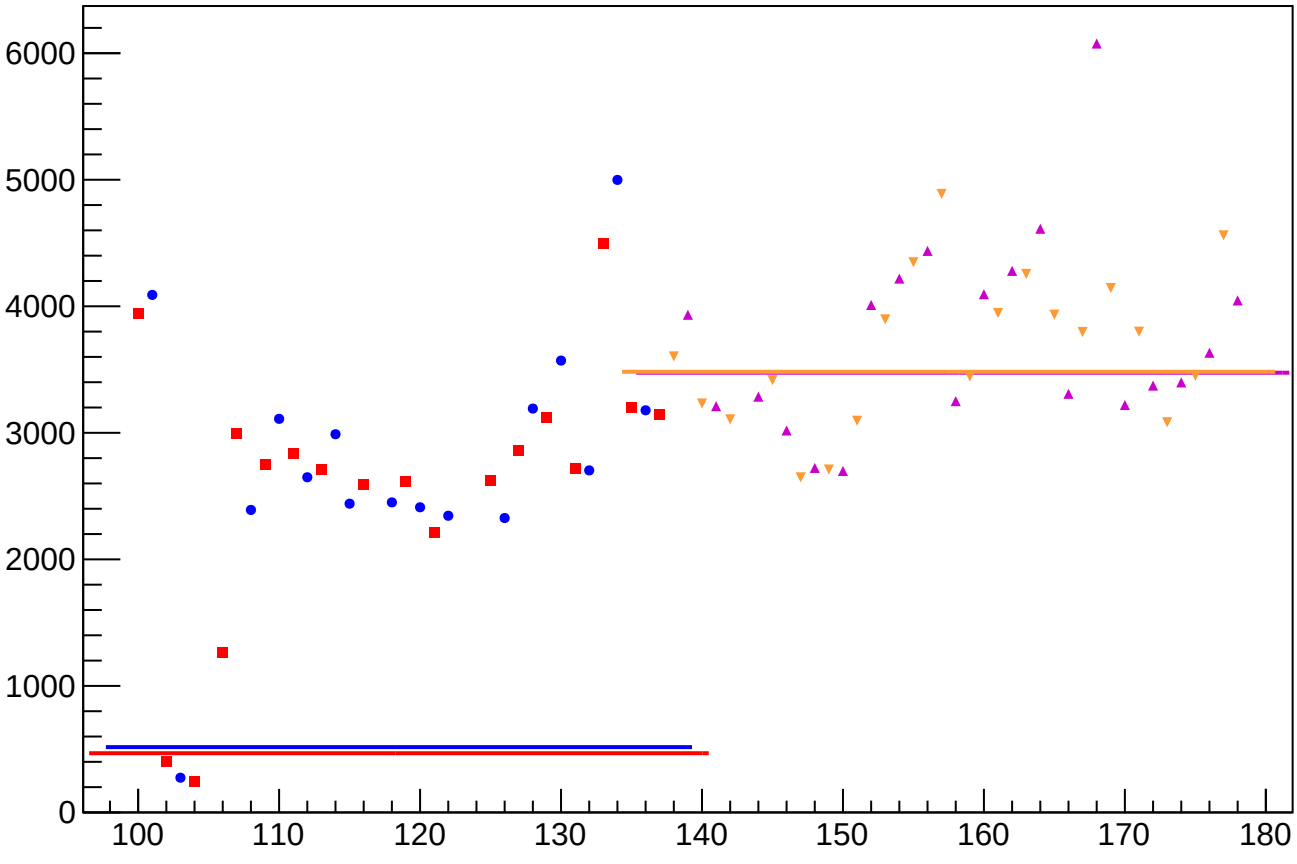
Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: 358.531+/-877.049 χ^2/NDF:11.5/19

+ sign 3.610+/-321.402 χ^2/NDF: 41.8/35

All: 98.147+/-218.693 χ^2/NDF: 67.5/73

- sign 179.653+/-298.430 χ^2/NDF: 25.6/37



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3482.426+/-0.631 χ^2/NDF:837873.7/19

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

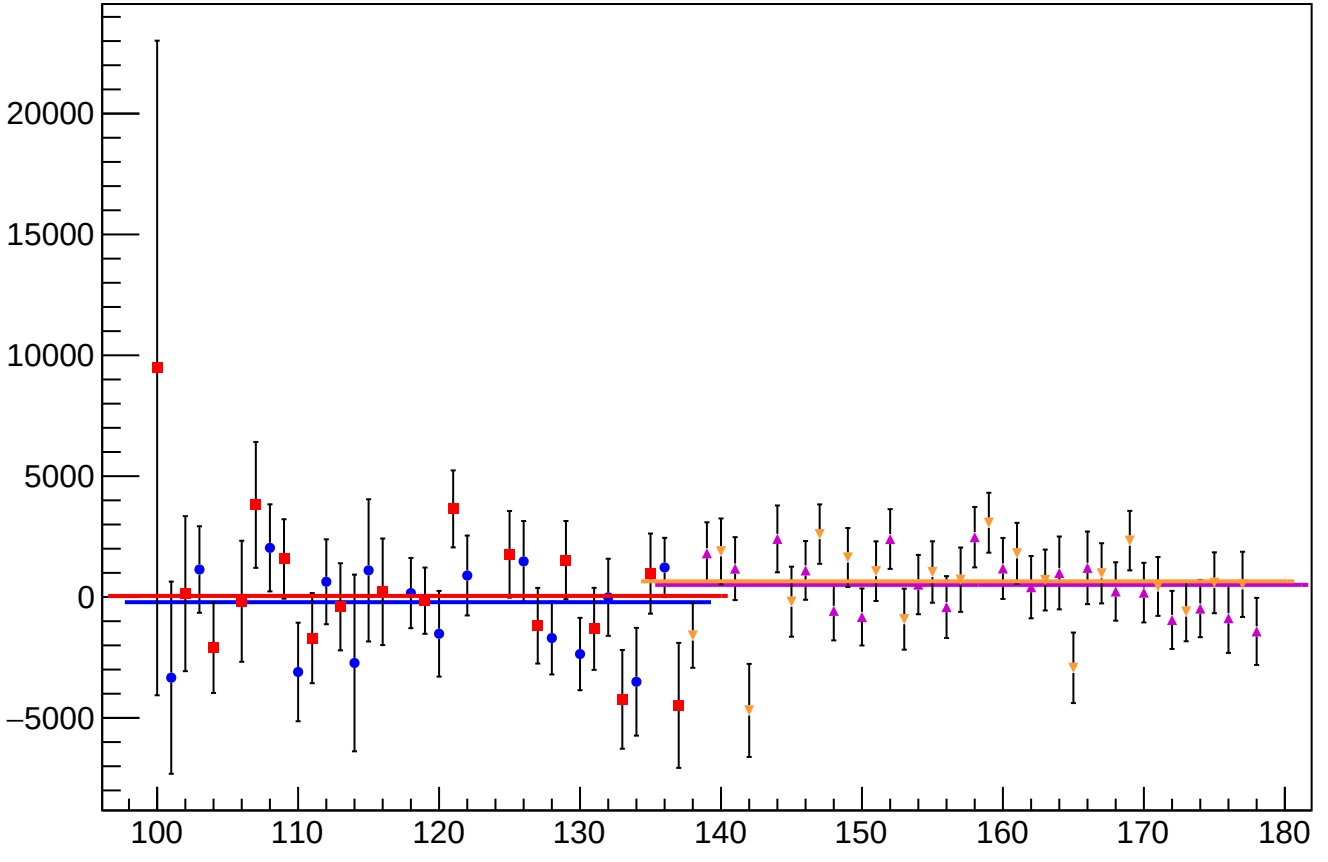
Left In: 3475.120+/-0.620 χ^2/NDF:1060232.4/19

+ sign 901.081+/-0.227 χ^2/NDF: 29903246.0/35

All: 855.509+/-0.155 χ^2/NDF: 60938245.9/73

- sign 816.219+/-0.211 χ^2/NDF: 30960124.6/37

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -213.079+/-442.684 χ^2/NDF: 14.3/15

Left Out: 651.037+/-290.492 χ^2/NDF:30.3/19

Right Out: 45.535+/-447.221 χ^2/NDF: 21.7/17

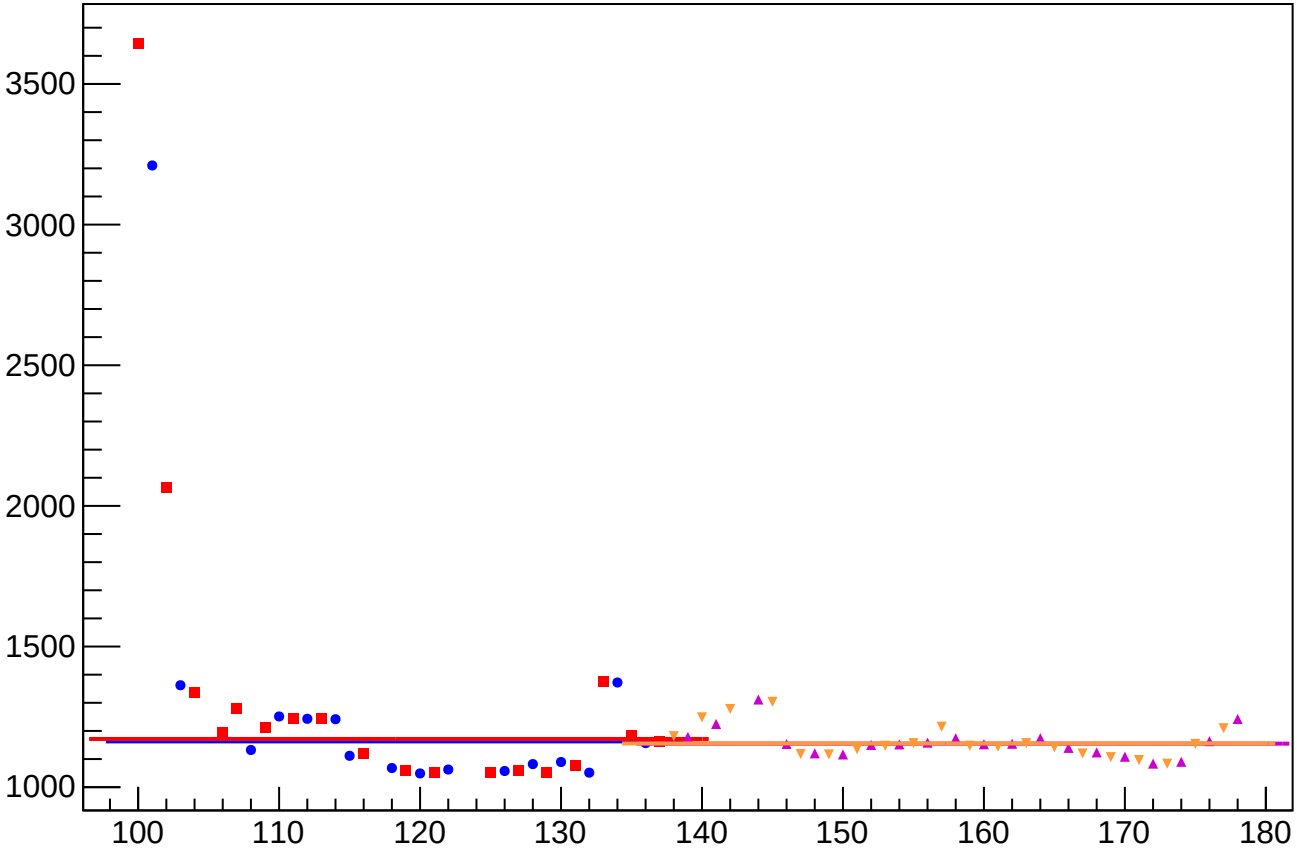
Left In: 502.985+/-285.967 χ^2/NDF:16.6/19

\+ sign 390.942+/-242.870 χ^2/NDF: 47.3/35

All: 380.501+/-171.043 χ^2/NDF: 86.3/73

\- sign 370.228+/-240.924 χ^2/NDF: 39.0/37

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1155.519+/-0.205 χ^2/NDF:67591.1/19

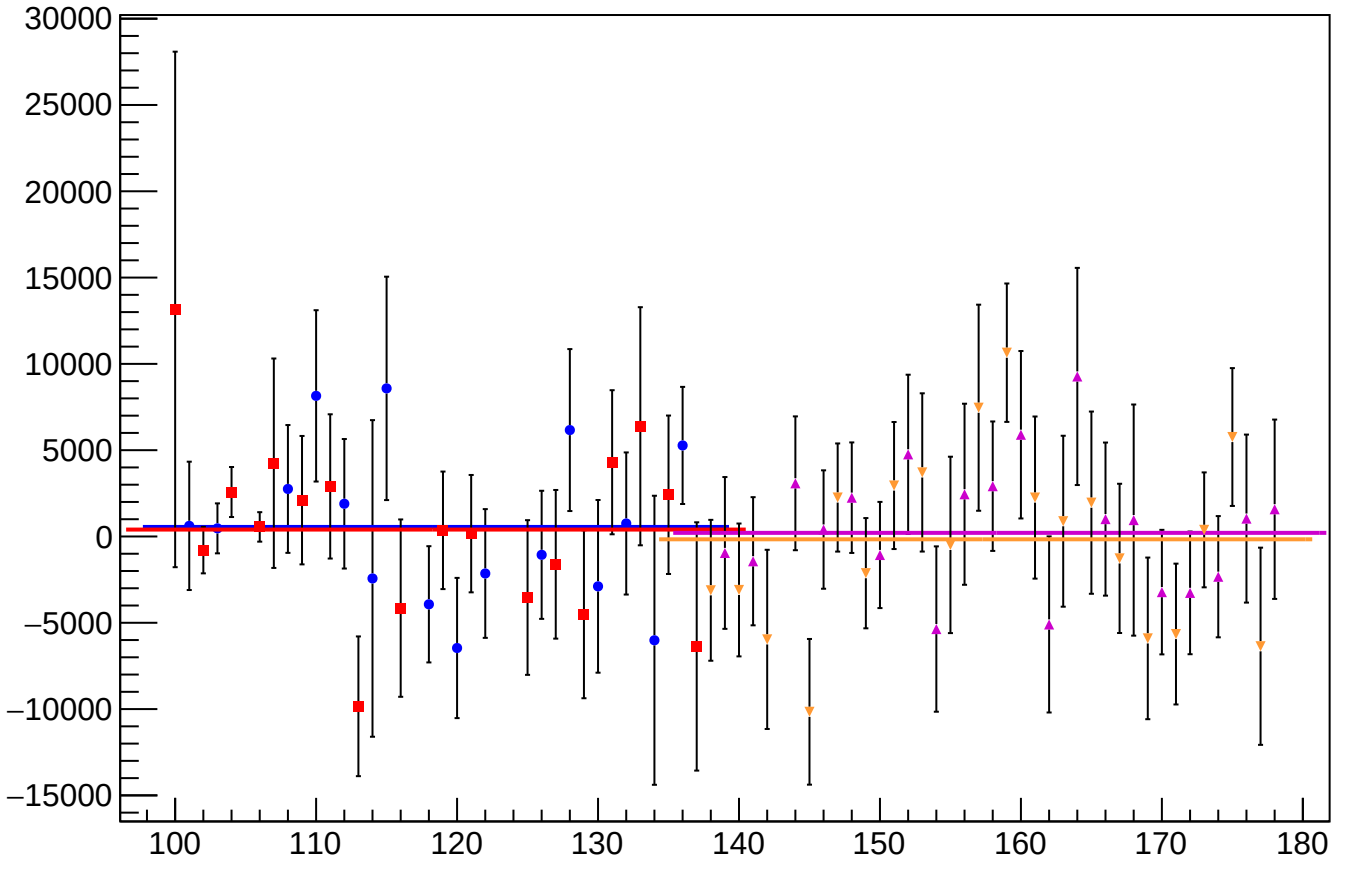
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1154.798+/-0.202 χ^2/NDF:62143.2/19

+ sign 1157.726+/-0.172 χ^2/NDF: 703328.0/35

All: 1158.684+/-0.121 χ^2/NDF: 1099136.1/73

- sign 1159.626+/-0.170 χ^2/NDF: 395746.4/37



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: -164.048+/-938.443 χ^2/NDF:26.5/19

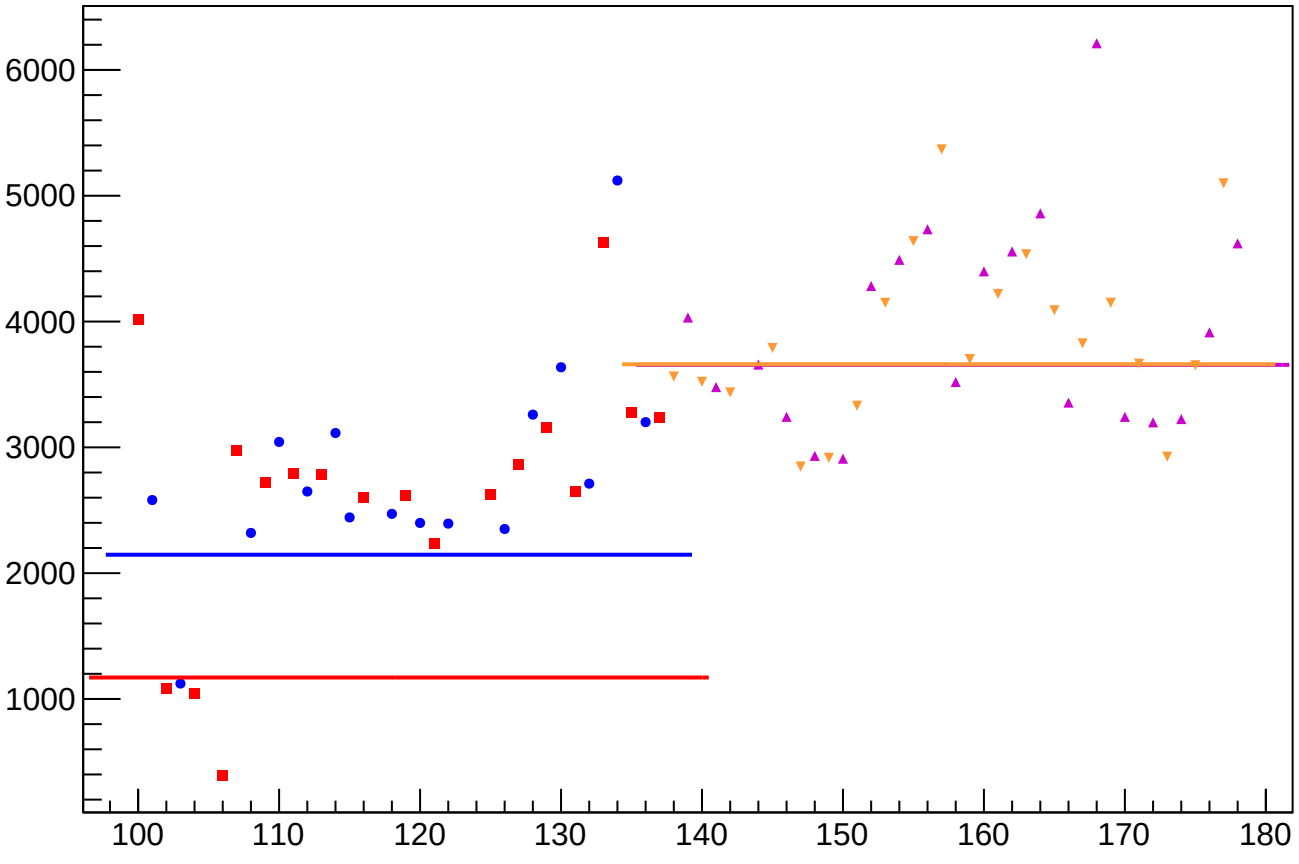
Right Out: 400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: 209.759+/-923.411 χ^2/NDF:11.5/19

\+ sign 219.628+/-639.631 χ^2/NDF: 41.2/35

All: 301.686+/-385.187 χ^2/NDF: 69.4/73

\- sign 348.377+/-482.483 χ^2/NDF: 28.2/37



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3660.357+/-0.664 χ^2/NDF:881278.5/19

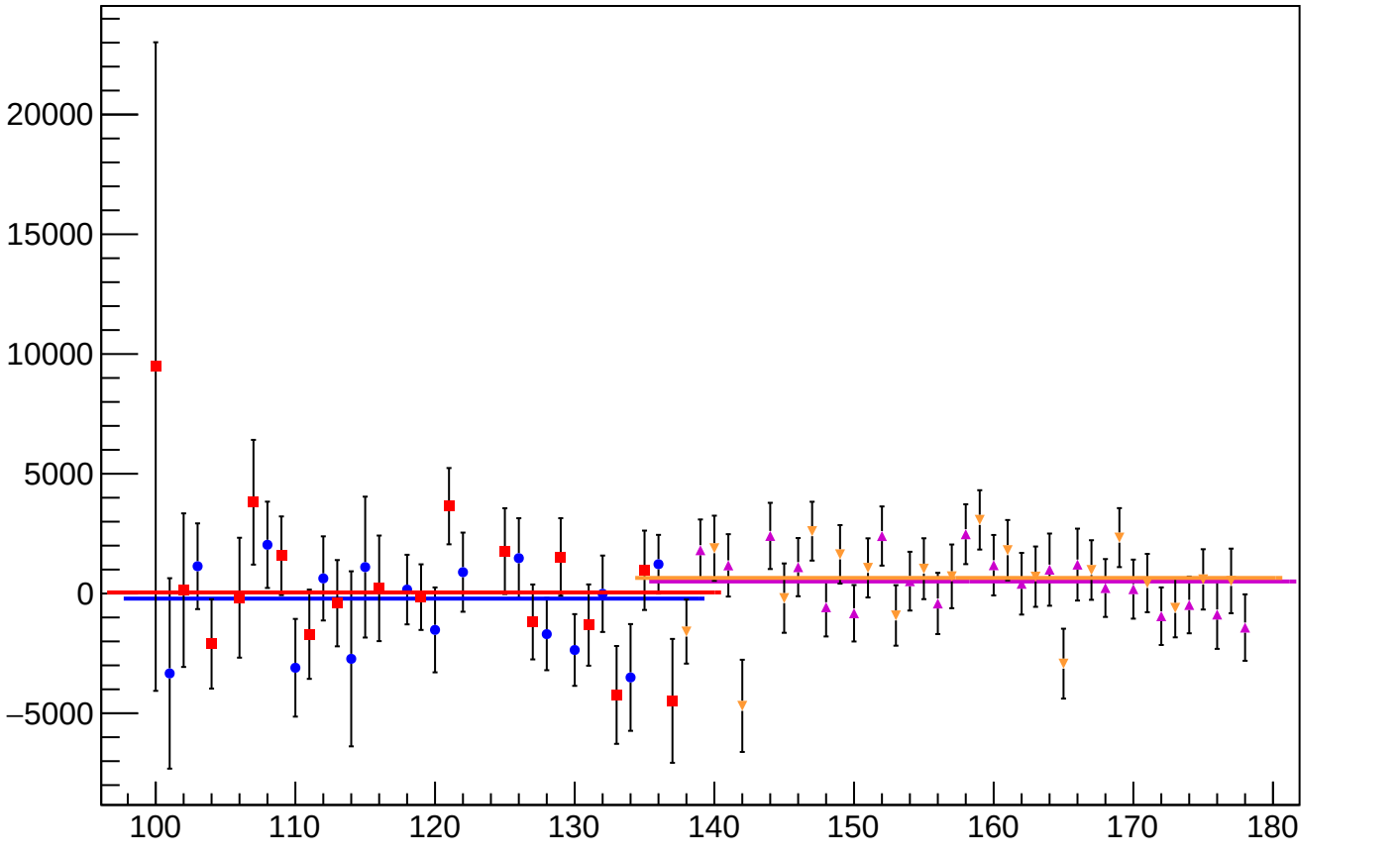
Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

Left In: 3655.782+/-0.653 χ^2/NDF:1100096.0/19

+ sign 2849.843+/-0.452 χ^2/NDF: 5642294.8/35

All: 2211.987+/-0.272 χ^2/NDF: 26212070.7/7

- sign 1849.053+/-0.341 χ^2/NDF: 17449194.0/37



Right In: -213.082+/-442.684 χ^2/NDF: 14.3/15

Left Out: 651.037+/-290.492 χ^2/NDF:30.3/19

Right Out: 45.539+/-447.221 χ^2/NDF: 21.7/17

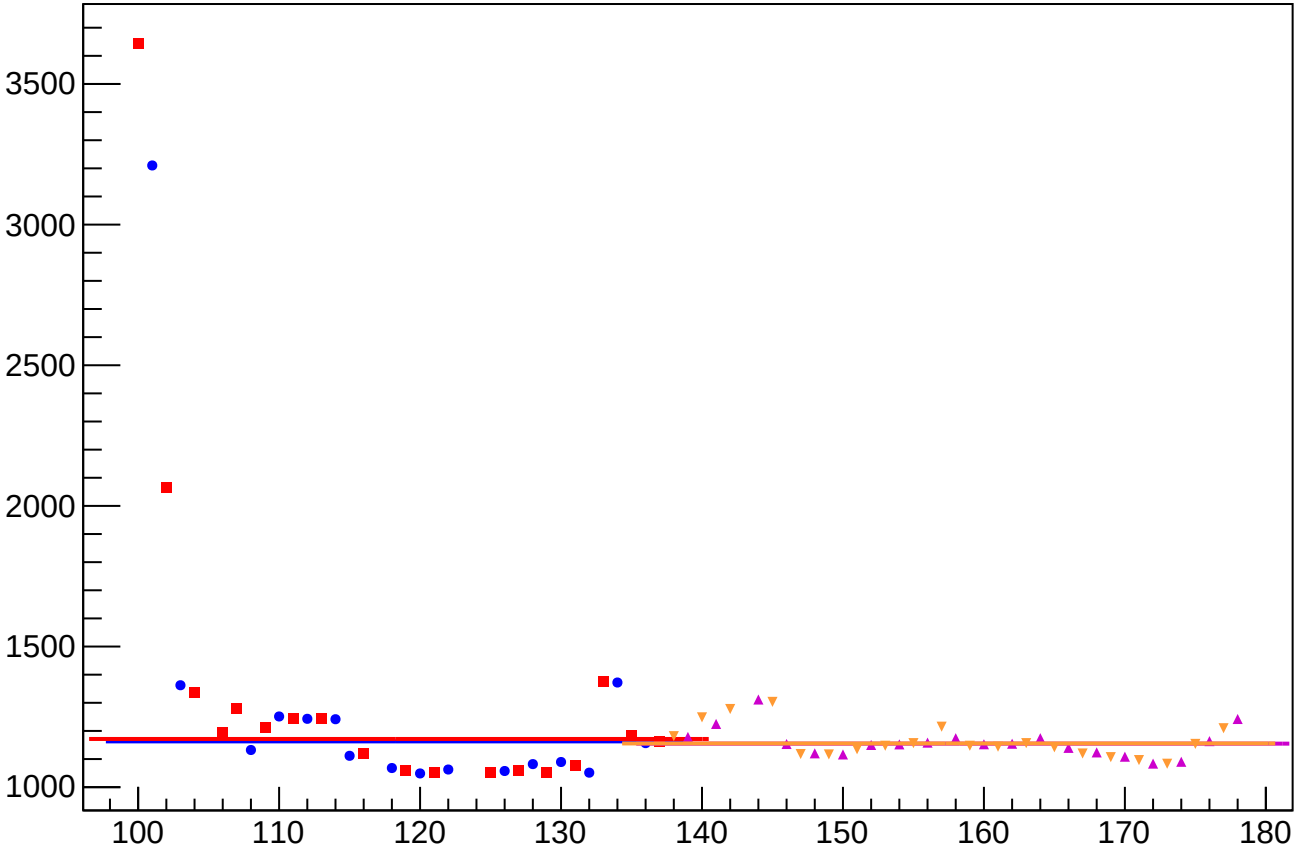
Left In: 502.986+/-285.967 χ^2/NDF:16.6/19

+ sign 390.941+/-242.870 χ^2/NDF: 47.3/35

All: 380.501+/-171.043 χ^2/NDF: 86.3/73

- sign 370.229+/-240.924 χ^2/NDF: 39.0/37

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: 1155.520+/-0.205 χ^2/NDF:67593.0/19

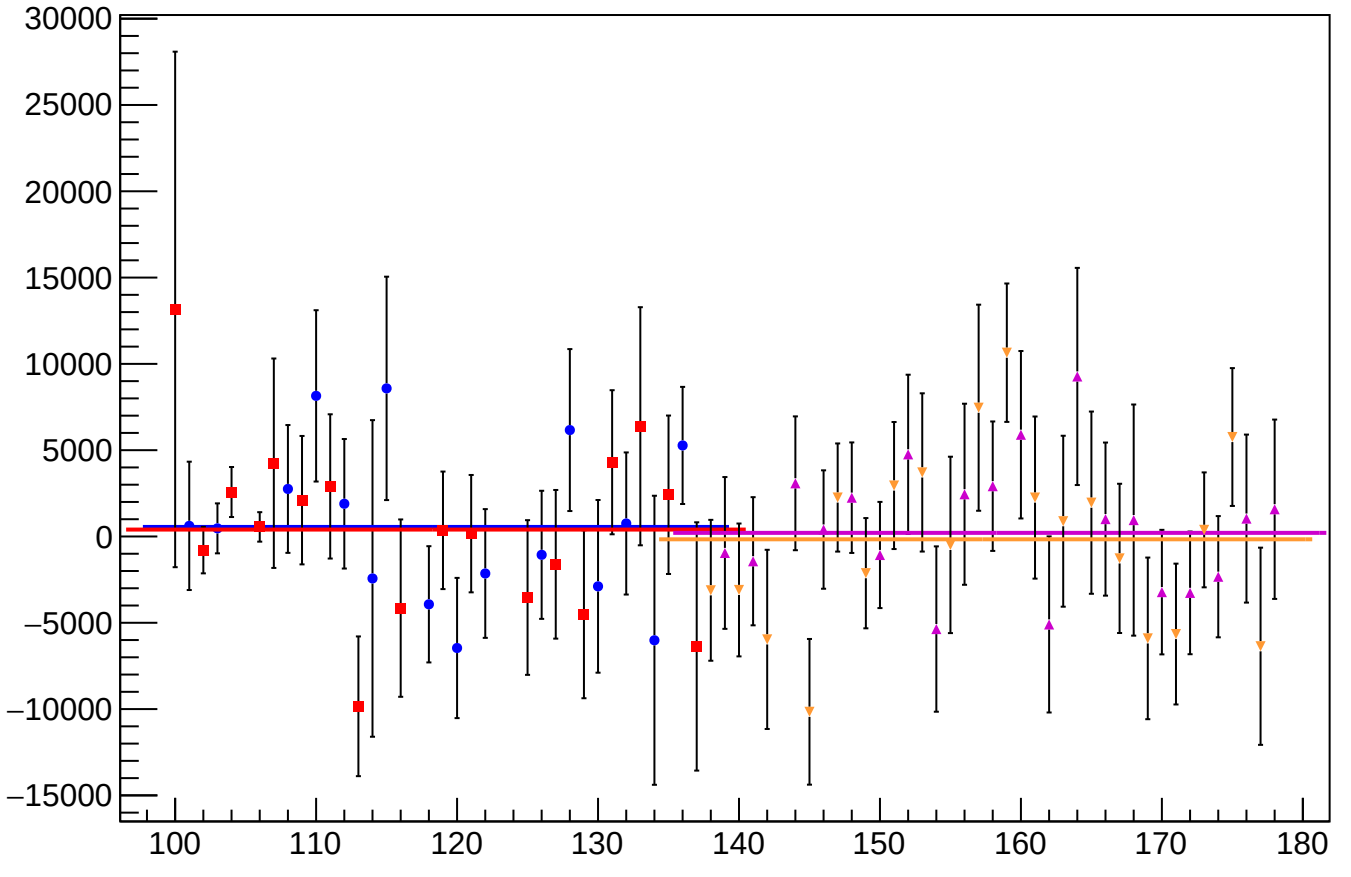
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1154.799+/-0.202 χ^2/NDF:62145.4/19

+ sign 1157.727+/-0.172 χ^2/NDF: 703330.0/35

All: 1158.684+/-0.121 χ^2/NDF: 1099139.6/73

- sign 1159.626+/-0.170 χ^2/NDF: 395748.0/37



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: -164.049+/-938.444 χ^2/NDF:26.5/19

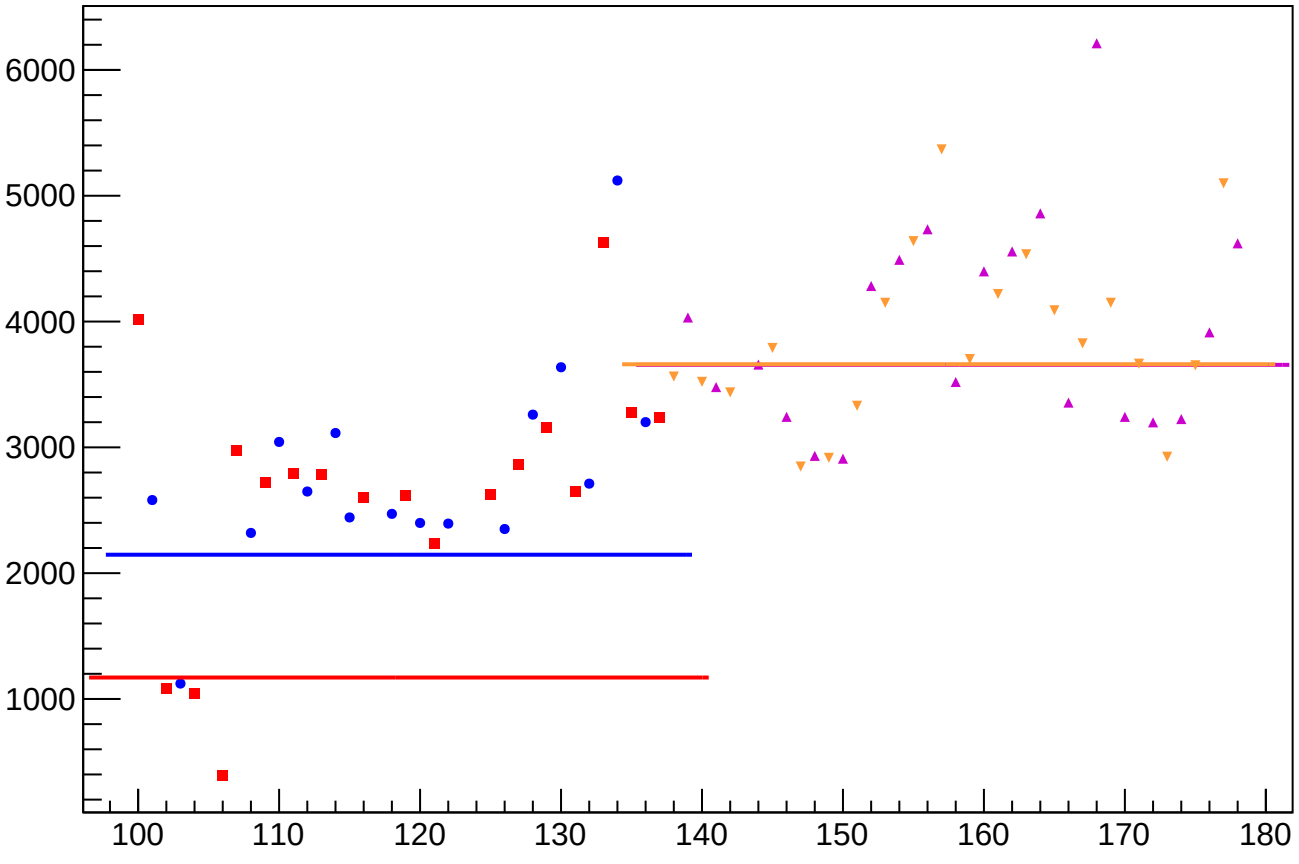
Right Out: 400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: 209.758+/-923.413 χ^2/NDF:11.5/19

\+ sign 219.625+/-639.631 χ^2/NDF: 41.2/35

All: 301.687+/-385.185 χ^2/NDF: 69.4/73

\- sign 348.378+/-482.479 χ^2/NDF: 28.2/37



Right In: 2146.613+/-0.618 χ^2/NDF: 1974719.3/15

Left Out: 3660.362+/-0.664 χ^2/NDF:881279.7/19

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

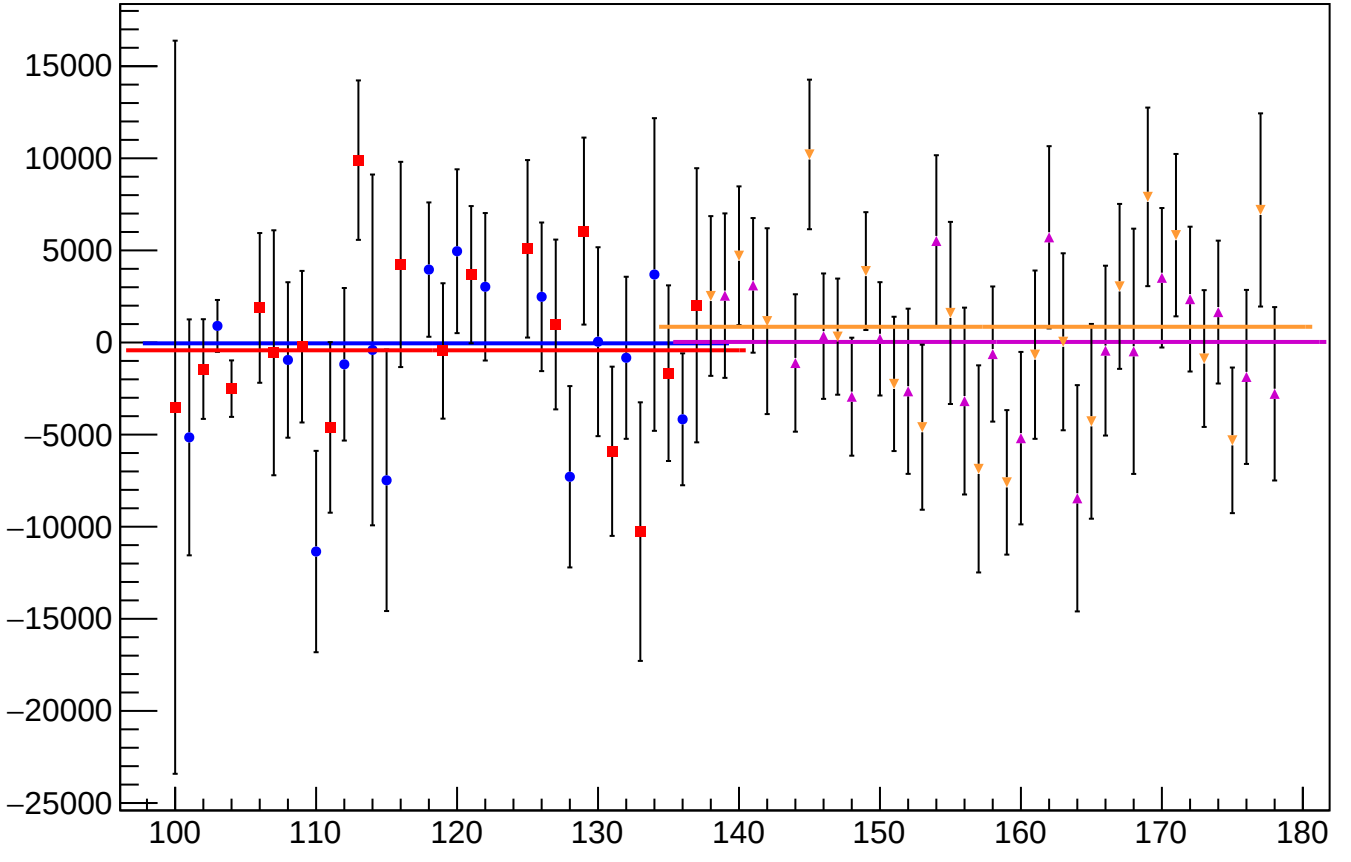
Left In: 3655.787+/-0.653 χ^2/NDF:1100098.9/19

+ sign 2849.841+/-0.452 χ^2/NDF: 5642322.7/35

All: 2211.965+/-0.272 χ^2/NDF: 26212703.3/7

- sign 1849.025+/-0.341 χ^2/NDF: 17449609.2/37

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -44.874+/-920.736 χ^2/NDF: 13.7/15

Left Out: 853.436+/-941.362 χ^2/NDF:25.0/19

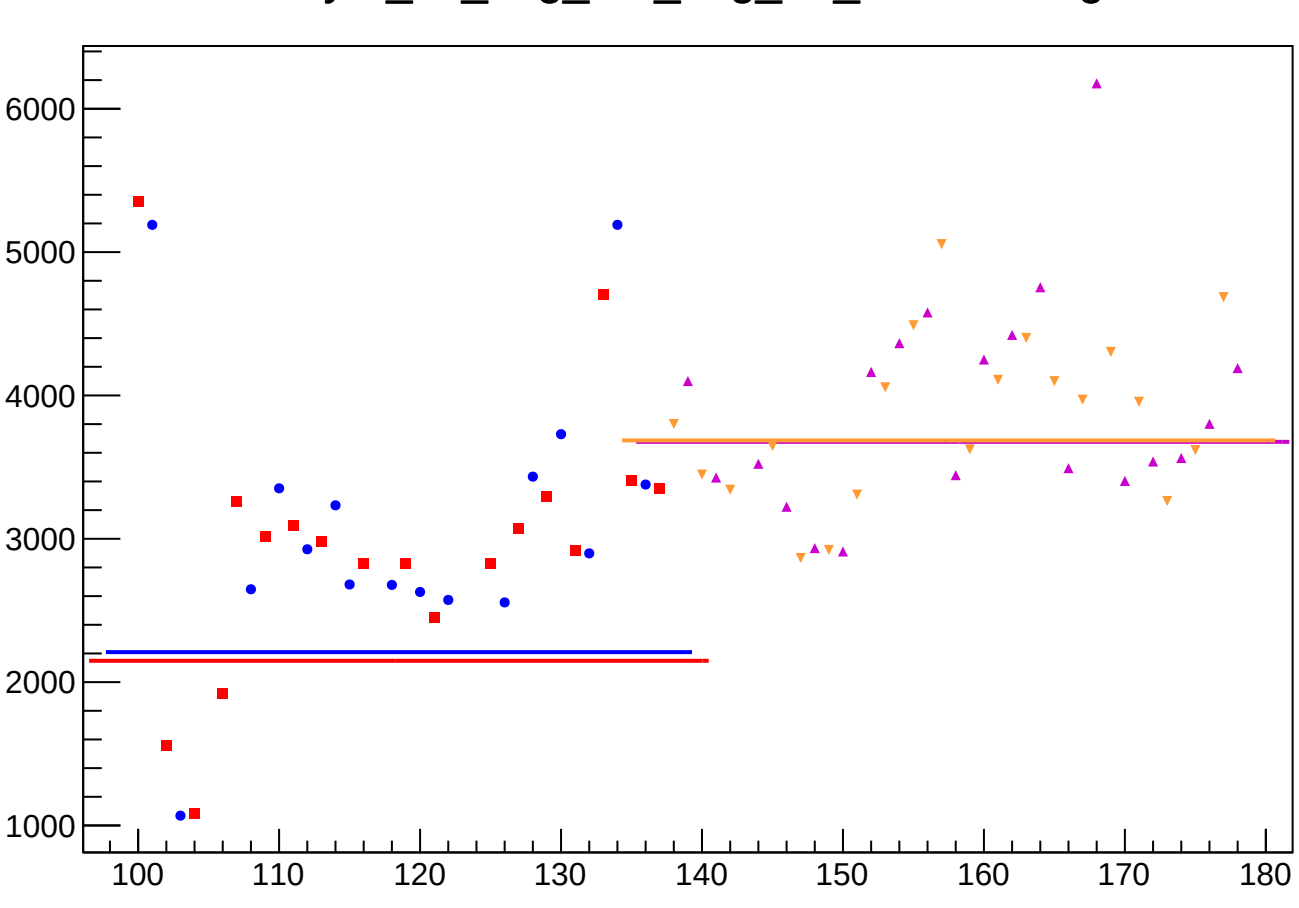
Right Out: -423.476+/-896.736 χ^2/NDF: 17.3/17

Left In: 30.303+/-924.935 χ^2/NDF:10.5/19

+ sign 394.332+/-658.230 χ^2/NDF: 39.2/35

All: 88.747+/-460.262 χ^2/NDF: 67.7/73

- sign -203.609+/-643.826 χ^2/NDF: 28.0/37



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3686.275+/-0.666 χ^2/NDF:696384.0/19

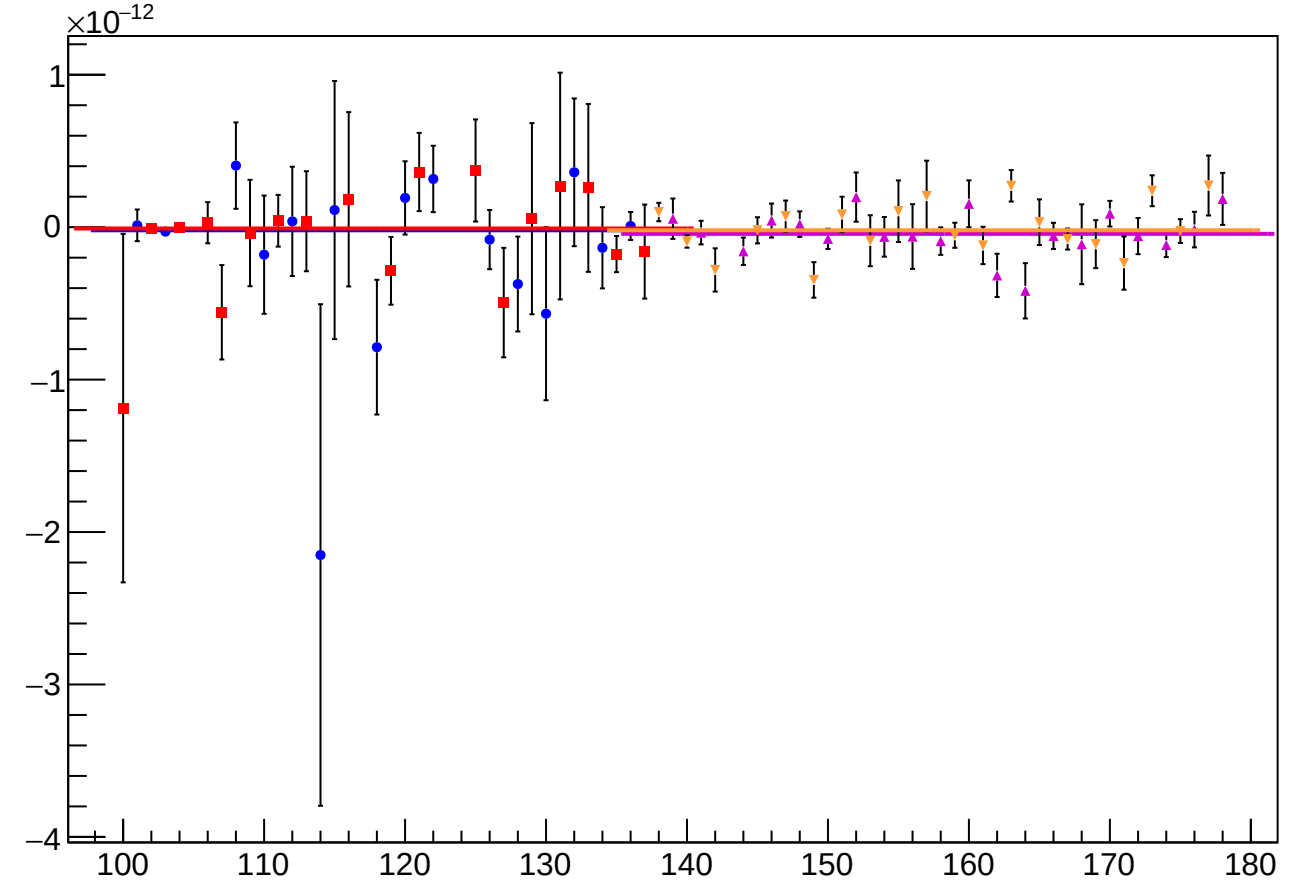
Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3676.365+/-0.654 χ^2/NDF:898156.9/19

+ sign 2931.452+/-0.465 χ^2/NDF: 6049315.3/35

All: 2908.804+/-0.325 χ^2/NDF: 12039742.0/7

- sign 2887.191+/-0.455 χ^2/NDF: 5985799.5/37



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:41.7/19

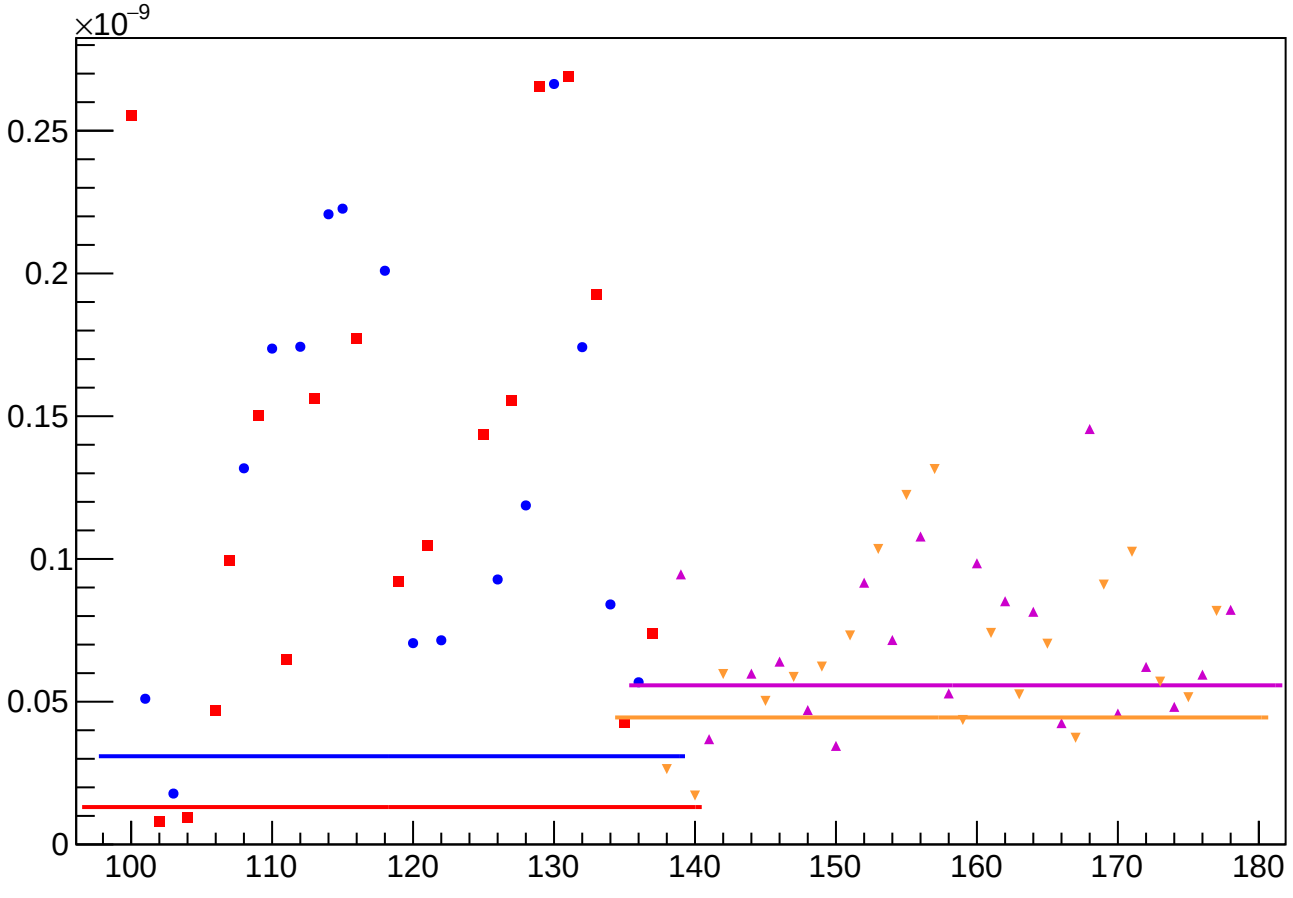
Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/17

Left In: -0.000+/-0.000 χ^2/NDF:21.0/19

+ sign -0.000+/-0.000 χ^2/NDF: 55.4/35

All: -0.000+/-0.000 χ^2/NDF: 92.0/73

- sign -0.000+/-0.000 χ^2/NDF: 36.6/37



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2870186.6/19

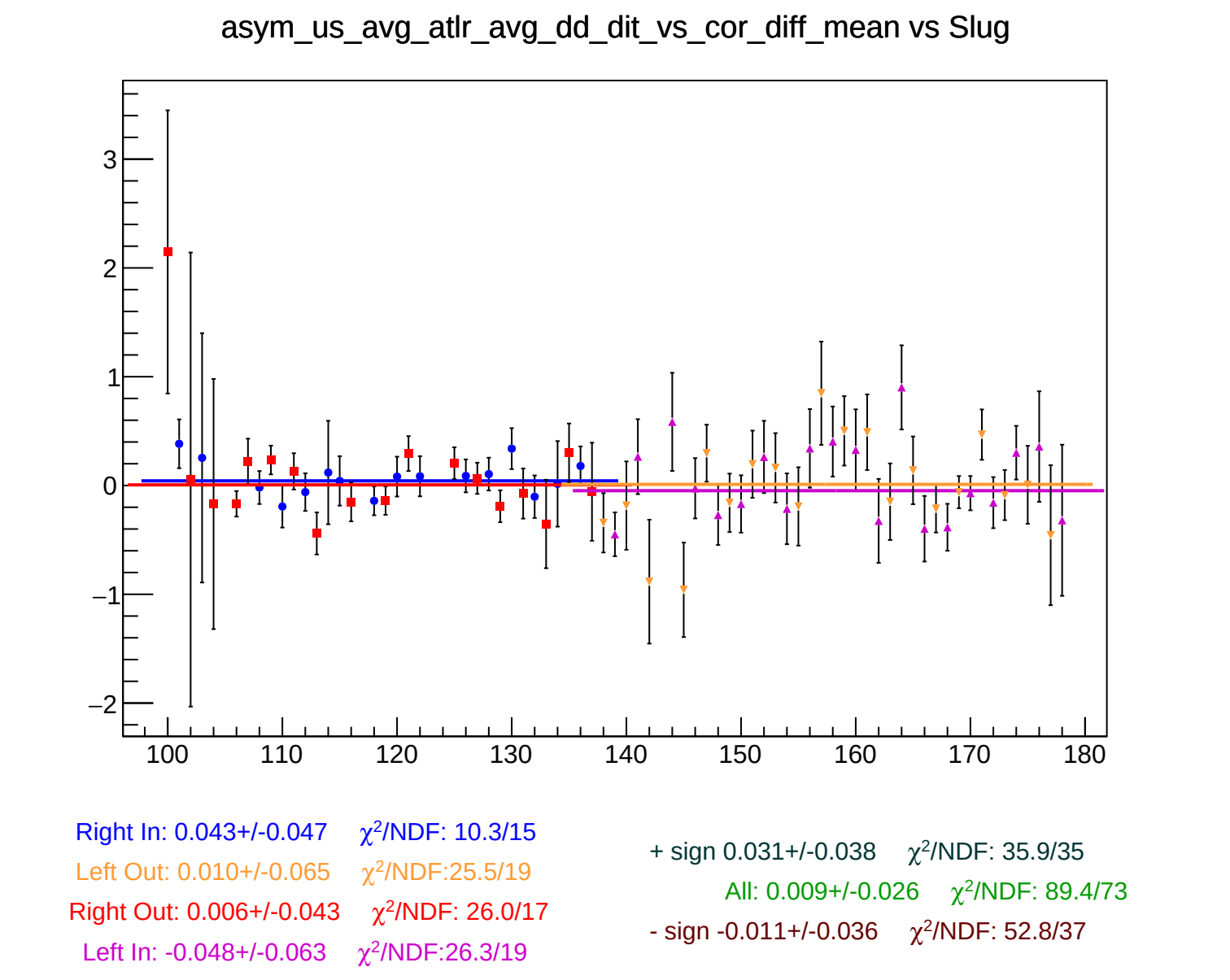
Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1446097.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 6209423.2/35

All: 0.000+/-0.000 χ^2/NDF: 16884884.8/73

- sign 0.000+/-0.000 χ^2/NDF: 9759007.1/37


asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug
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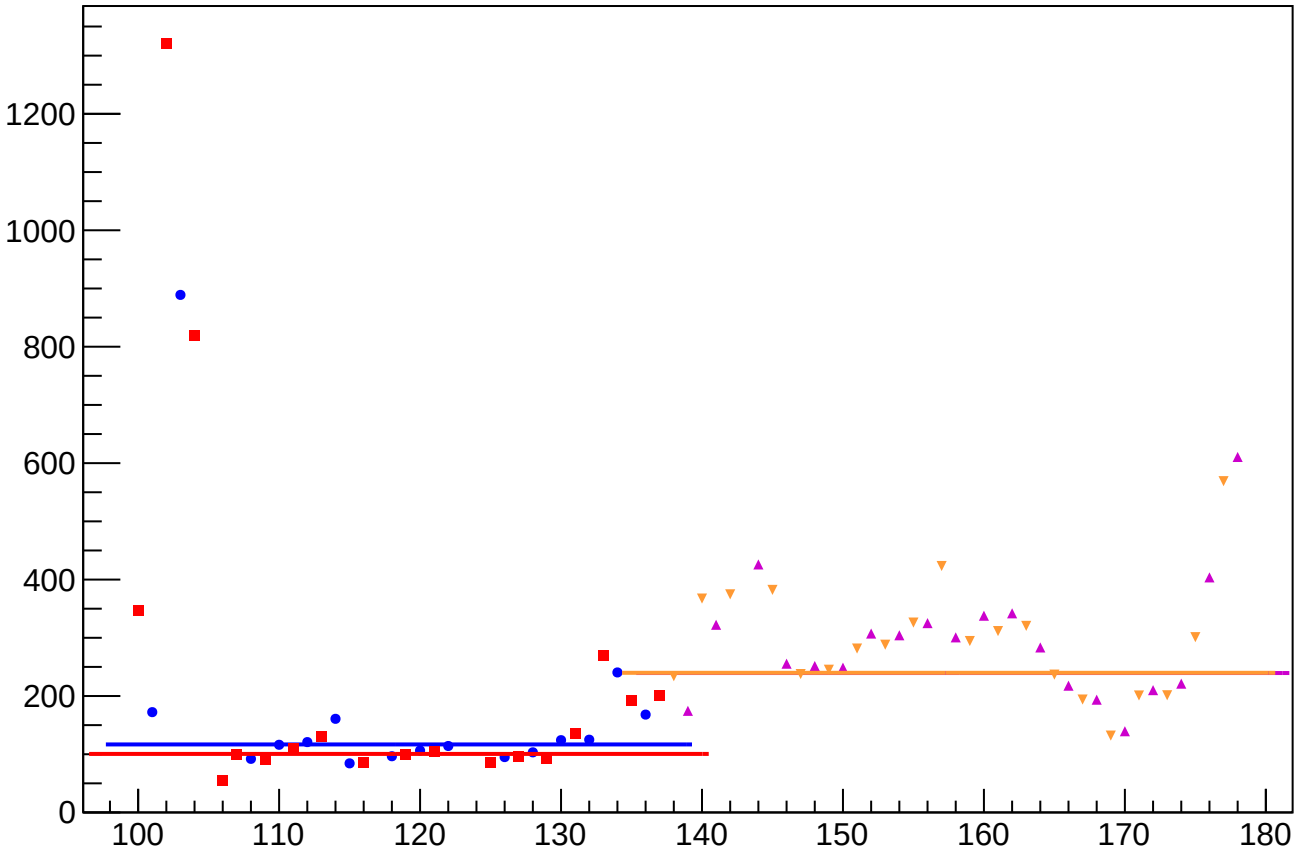
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.010+/-0.065 χ²/NDF:25.5/19
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.048+/-0.063 χ²/NDF:26.3/19
+ sign 0.031+/-0.038 χ²/NDF: 35.9/35
All: 0.009+/-0.026 χ²/NDF: 89.4/73
- sign -0.011+/-0.036 χ²/NDF: 52.8/37



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 239.864+/-0.046 χ^2/NDF:3113256.2/19

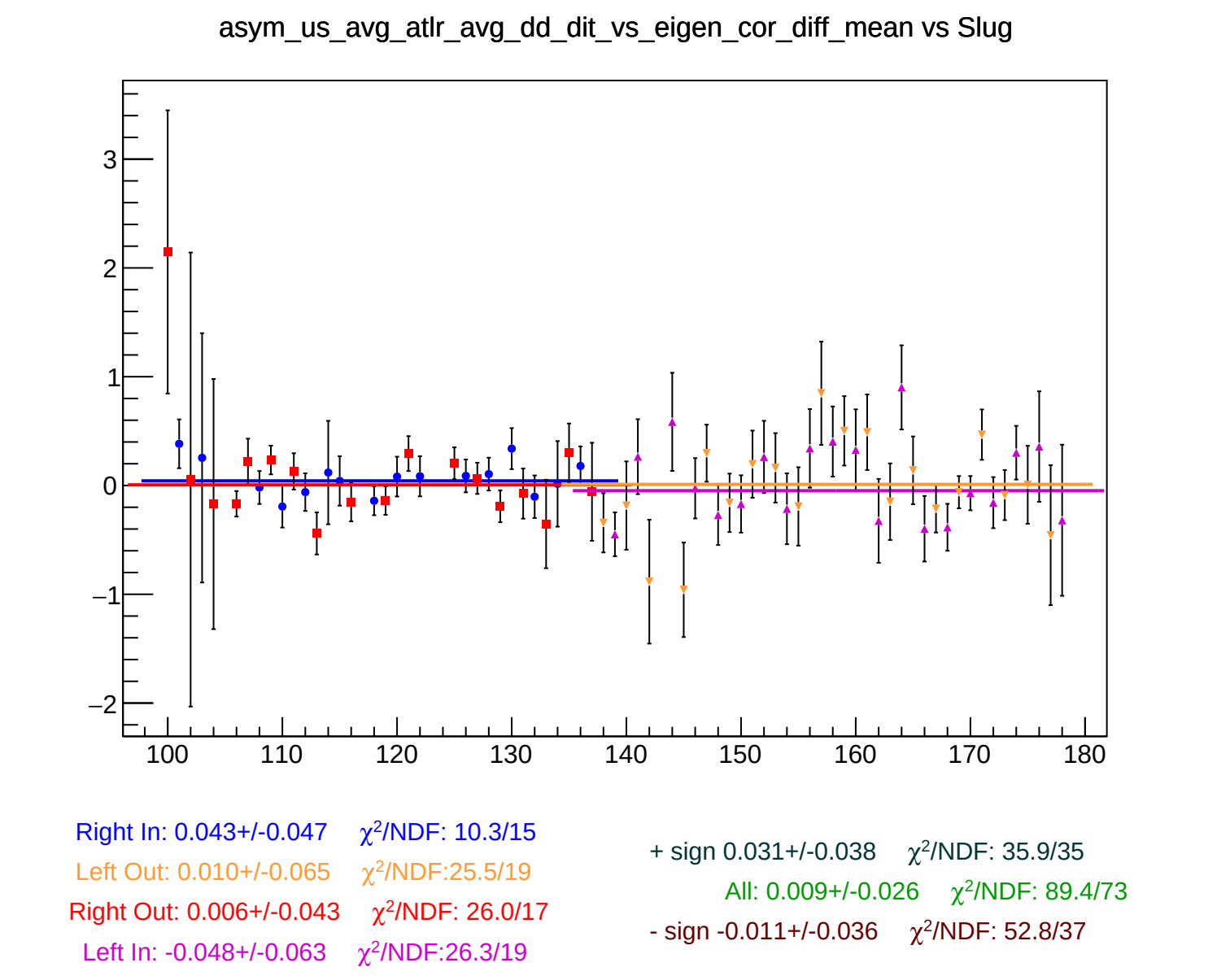
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 239.490+/-0.045 χ^2/NDF:3063102.7/19

+ sign 159.943+/-0.027 χ^2/NDF: 9441218.1/35

All: 151.873+/-0.018 χ^2/NDF: 21870784.6/73

- sign 144.801+/-0.025 χ^2/NDF: 12262579.5/37


asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug
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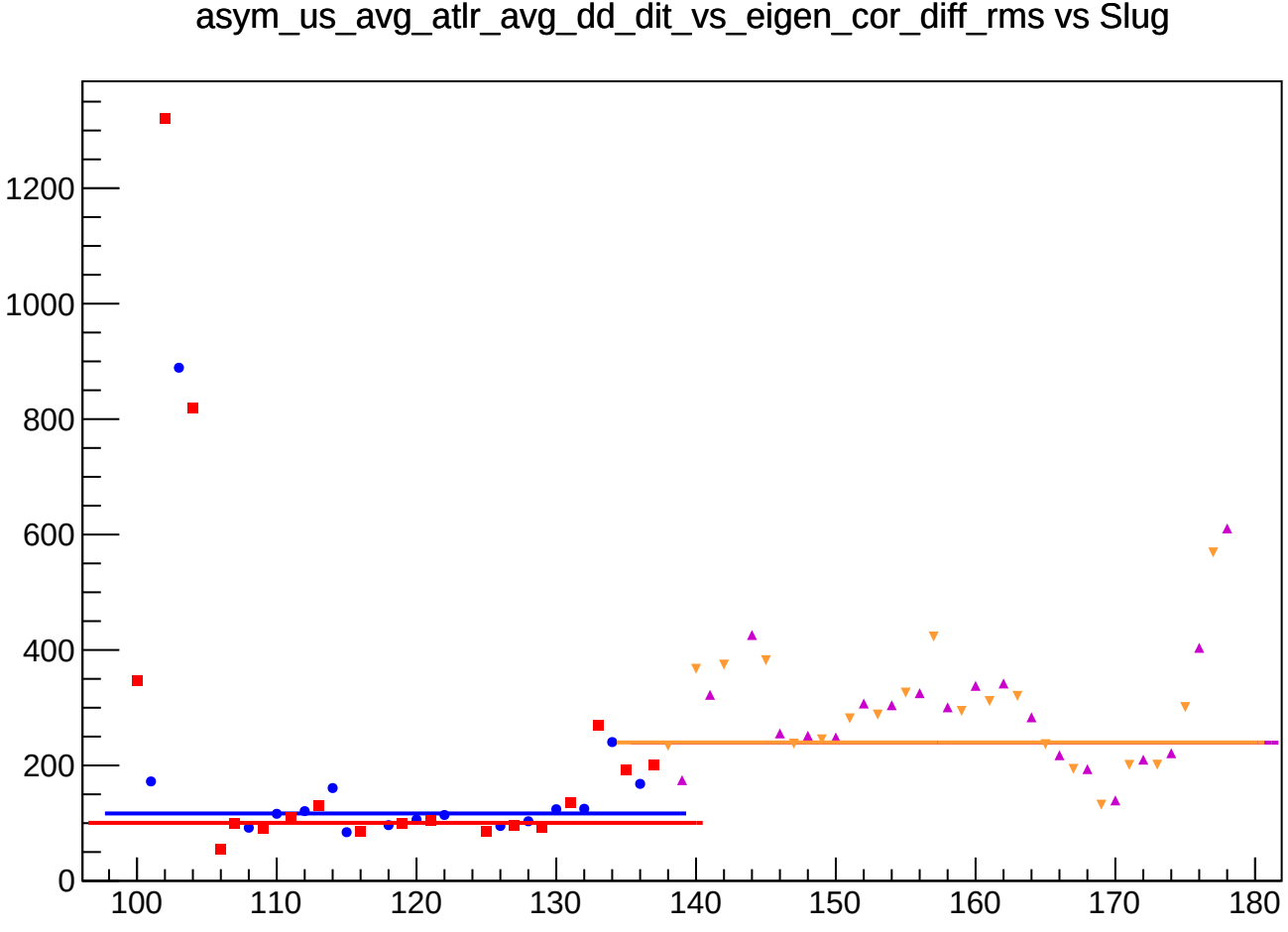
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.010+/-0.065 χ²/NDF:25.5/19
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.048+/-0.063 χ²/NDF:26.3/19
+ sign 0.031+/-0.038 χ²/NDF: 35.9/35
All: 0.009+/-0.026 χ²/NDF: 89.4/73
- sign -0.011+/-0.036 χ²/NDF: 52.8/37



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 239.864+/-0.046 χ^2/NDF:3113256.2/19

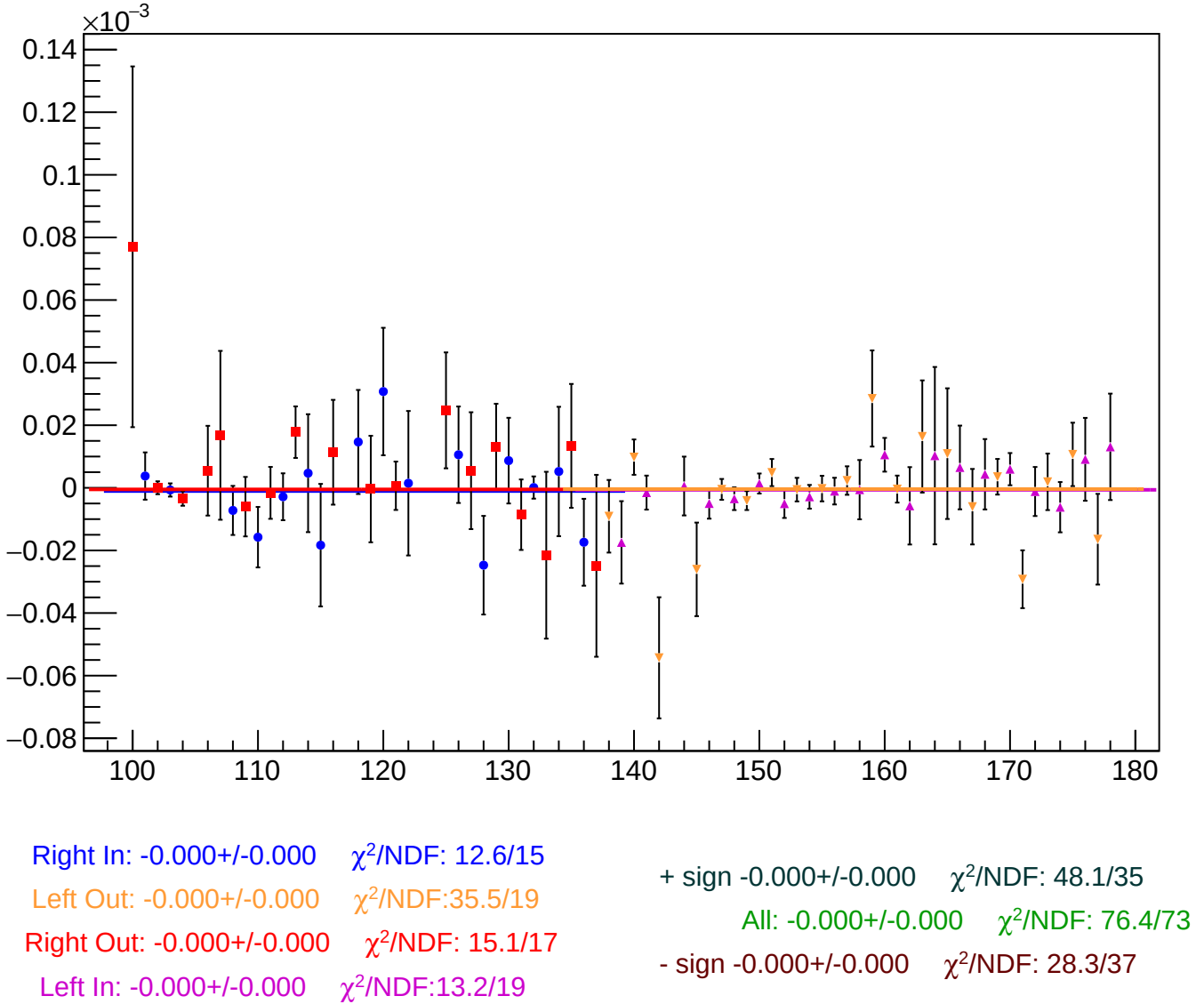
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 239.490+/-0.045 χ^2/NDF:3063102.7/19

+ sign 159.943+/-0.027 χ^2/NDF: 9441218.1/35

All: 151.873+/-0.018 χ^2/NDF: 21870784.6/73

- sign 144.801+/-0.025 χ^2/NDF: 12262579.5/37


asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
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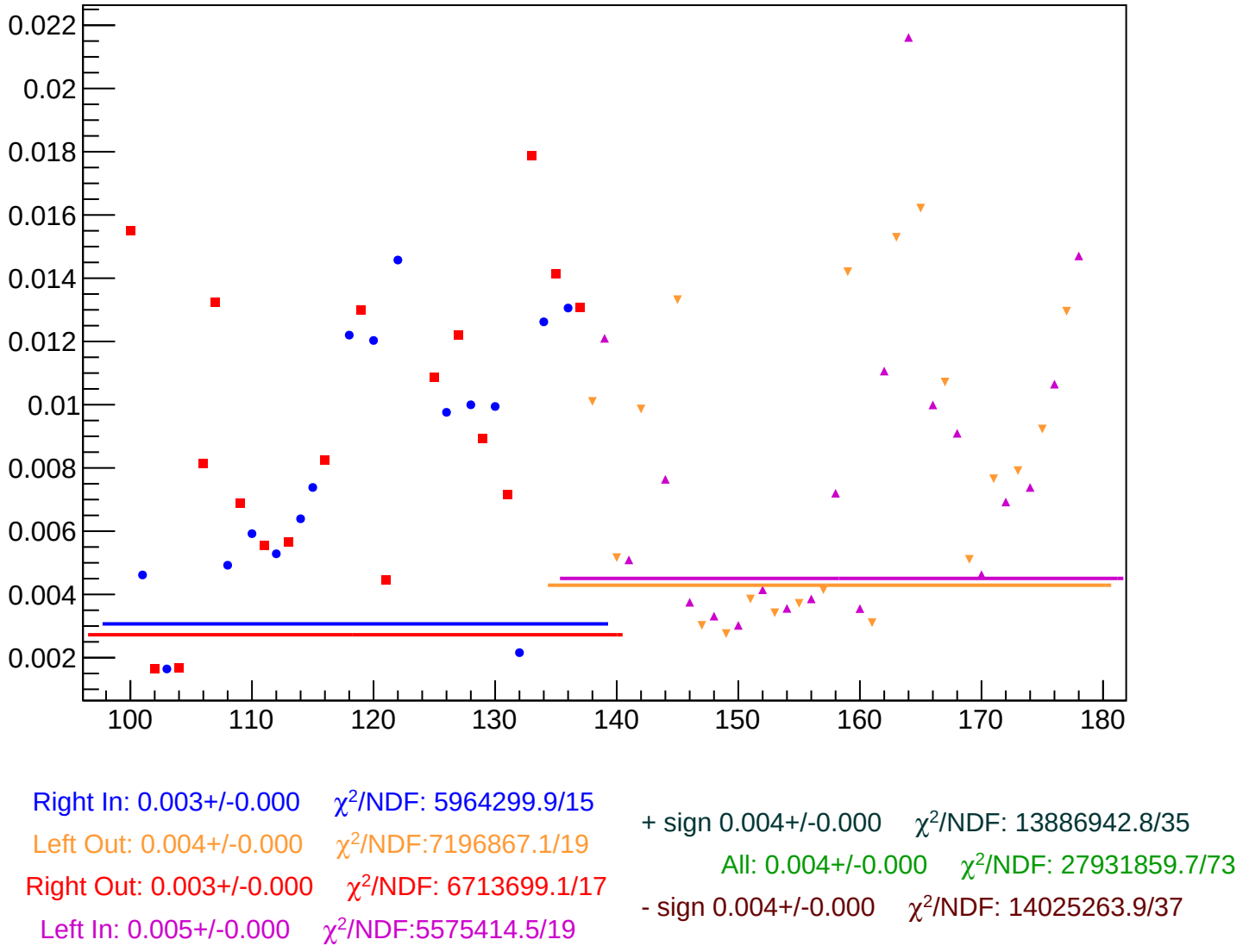
Right In: -0.000+/-0.000 χ²/NDF: 12.6/15
Left Out: -0.000+/-0.000 χ²/NDF:35.5/19
Right Out: -0.000+/-0.000 χ²/NDF: 15.1/17
Left In: -0.000+/-0.000 χ²/NDF:13.2/19
+ sign -0.000+/-0.000 χ²/NDF: 48.1/35
All: -0.000+/-0.000 χ²/NDF: 76.4/73
- sign -0.000+/-0.000 χ²/NDF: 28.3/37


asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
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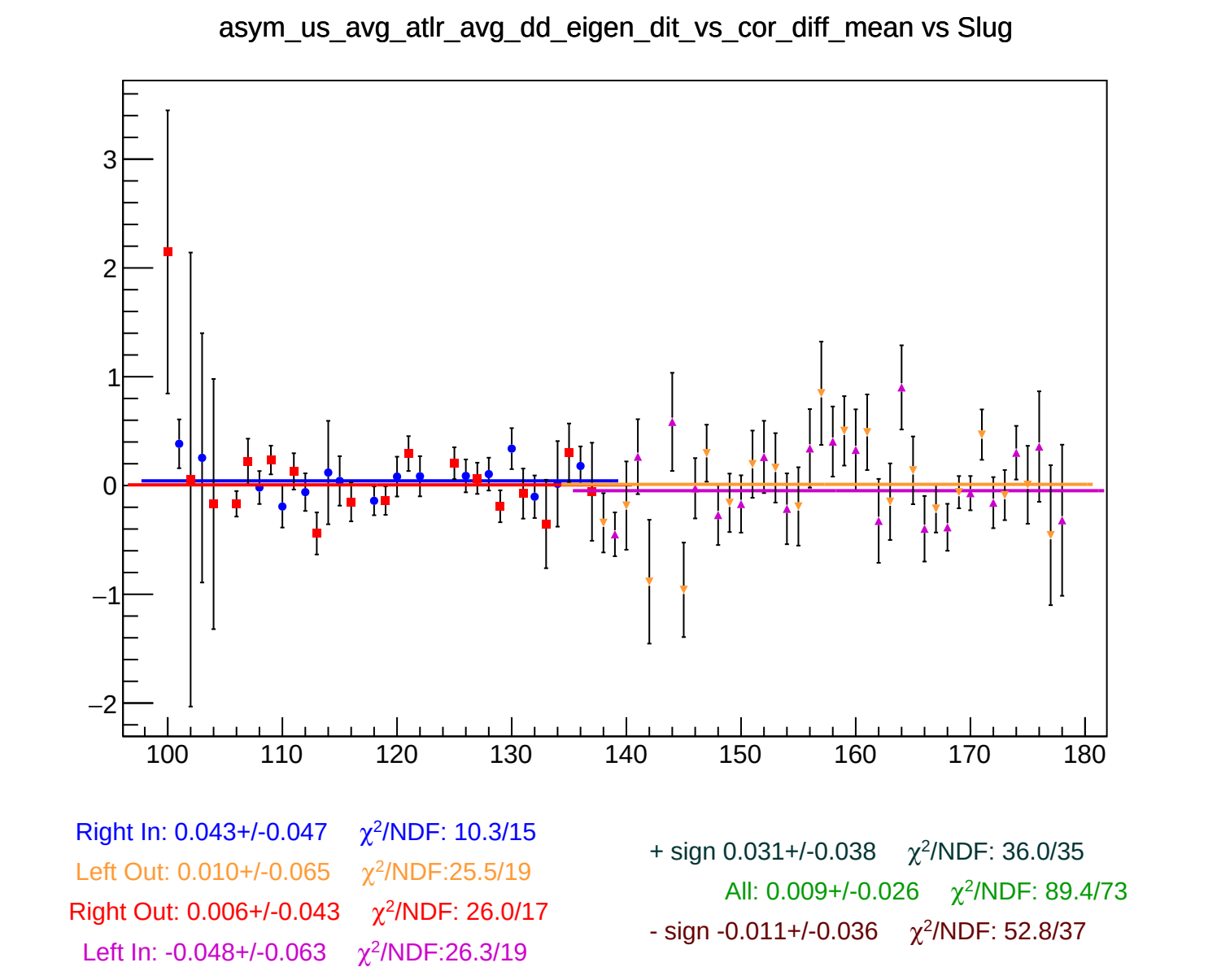
Right In: 0.003+/-0.000 χ²/NDF: 5964299.9/15
Left Out: 0.004+/-0.000 χ²/NDF:7196867.1/19
Right Out: 0.003+/-0.000 χ²/NDF: 6713699.1/17
Left In: 0.005+/-0.000 χ²/NDF:5575414.5/19
+ sign 0.004+/-0.000 χ²/NDF: 13886942.8/35
All: 0.004+/-0.000 χ²/NDF: 27931859.7/73
- sign 0.004+/-0.000 χ²/NDF: 14025263.9/37


asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
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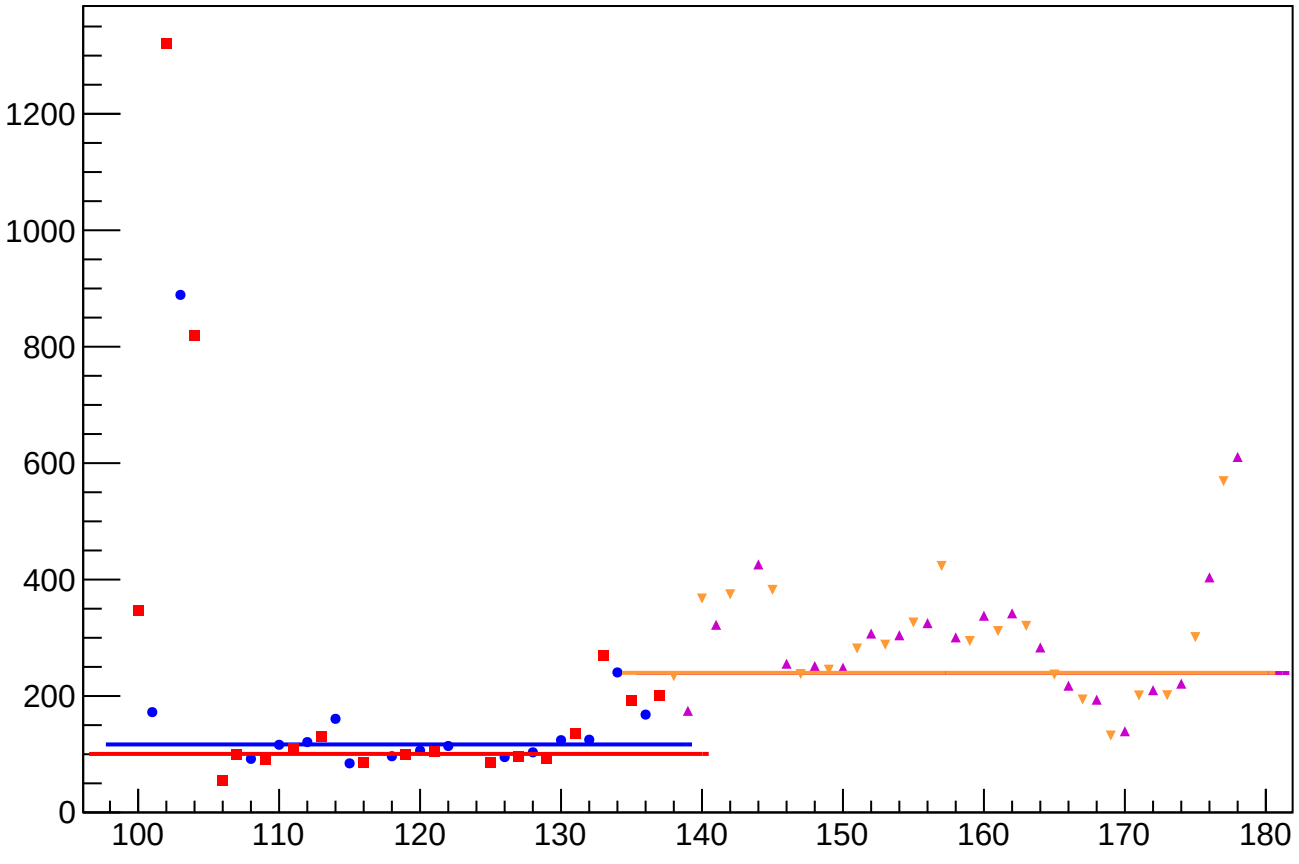
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.010+/-0.065 χ²/NDF:25.5/19
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.048+/-0.063 χ²/NDF:26.3/19
+ sign 0.031+/-0.038 χ²/NDF: 36.0/35
All: 0.009+/-0.026 χ²/NDF: 89.4/73
- sign -0.011+/-0.036 χ²/NDF: 52.8/37



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 239.864+/-0.046 χ^2/NDF:3113381.2/19

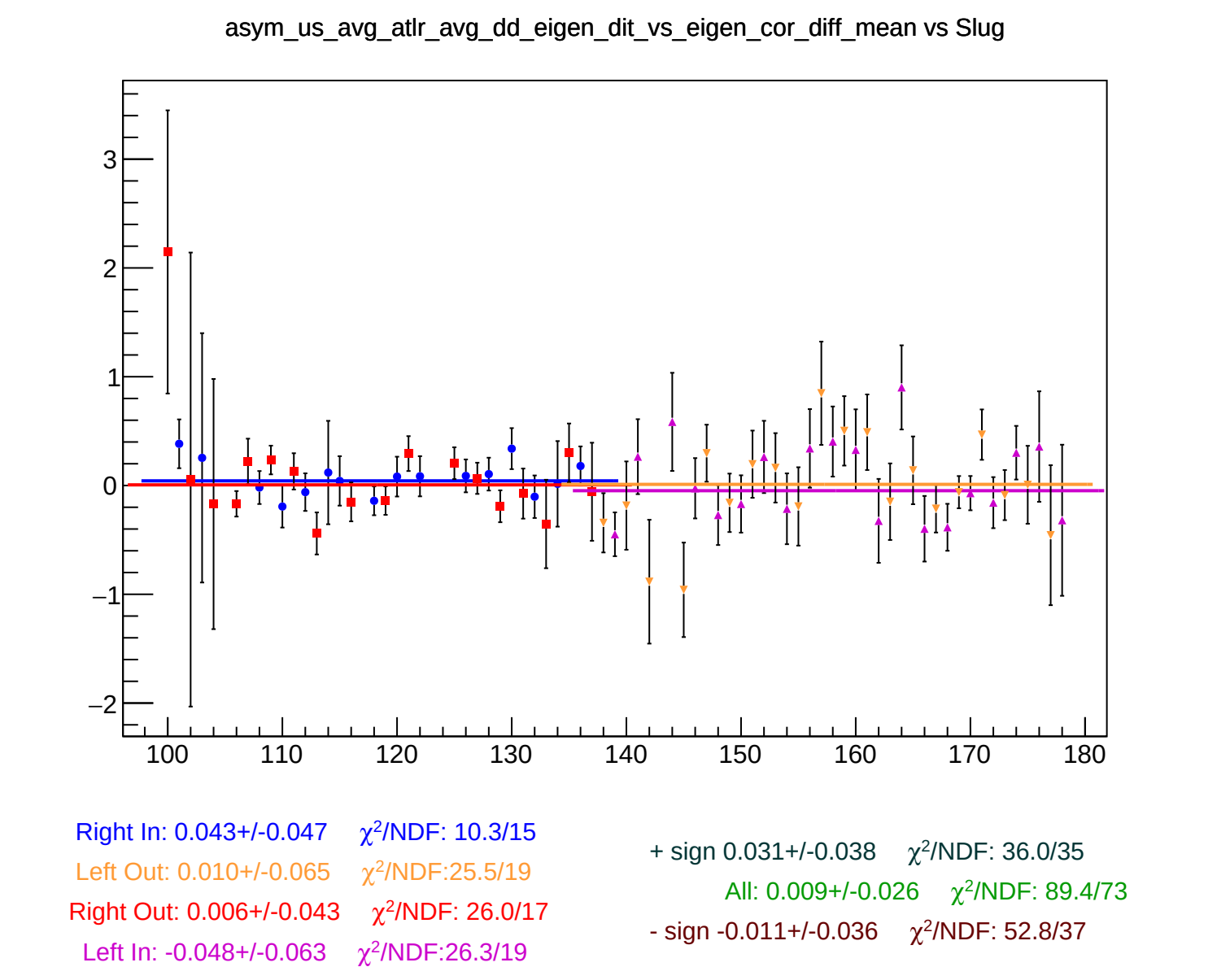
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 239.492+/-0.045 χ^2/NDF:3063150.6/19

+ sign 159.943+/-0.027 χ^2/NDF: 9441349.3/35

All: 151.872+/-0.018 χ^2/NDF: 21871249.6/73

- sign 144.800+/-0.025 χ^2/NDF: 12262896.1/37


asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
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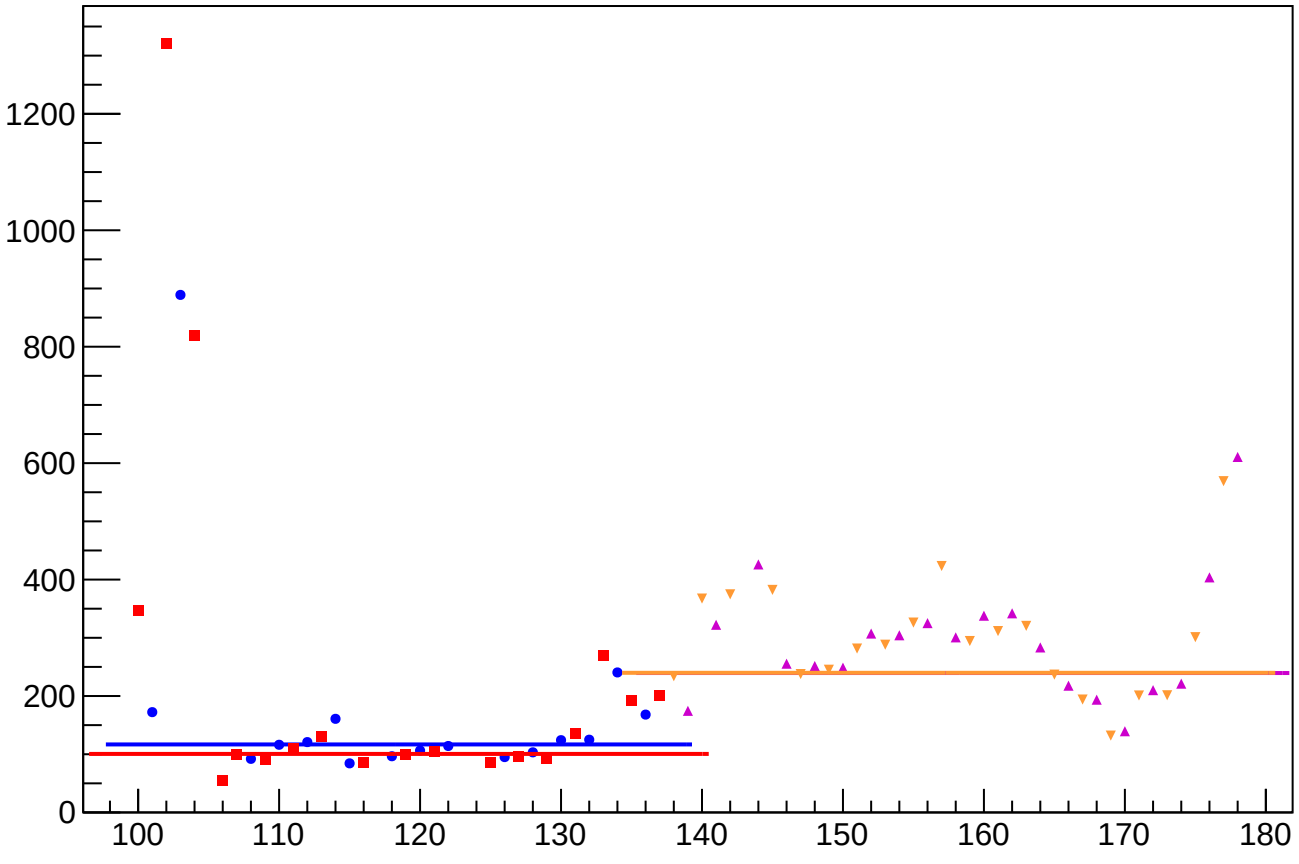
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.010+/-0.065 χ²/NDF:25.5/19
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.048+/-0.063 χ²/NDF:26.3/19
+ sign 0.031+/-0.038 χ²/NDF: 36.0/35
All: 0.009+/-0.026 χ²/NDF: 89.4/73
- sign -0.011+/-0.036 χ²/NDF: 52.8/37



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 239.864+/-0.046 χ^2/NDF:3113381.2/19

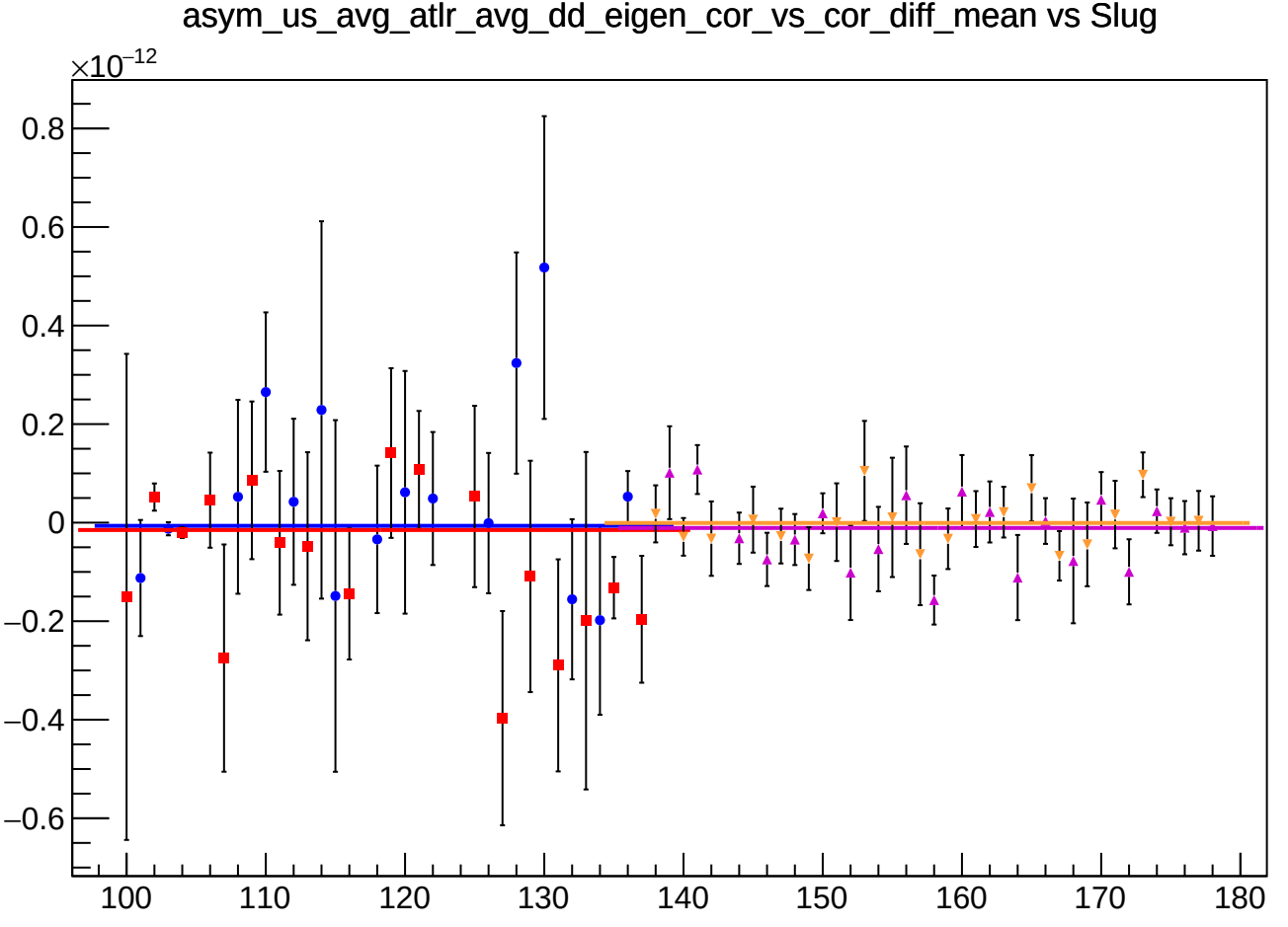
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 239.492+/-0.045 χ^2/NDF:3063150.6/19

+ sign 159.943+/-0.027 χ^2/NDF: 9441349.3/35

All: 151.872+/-0.018 χ^2/NDF: 21871249.6/73

- sign 144.800+/-0.025 χ^2/NDF: 12262896.1/37



Right In: -0.000+/-0.000 χ^2/NDF: 13.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.1/19

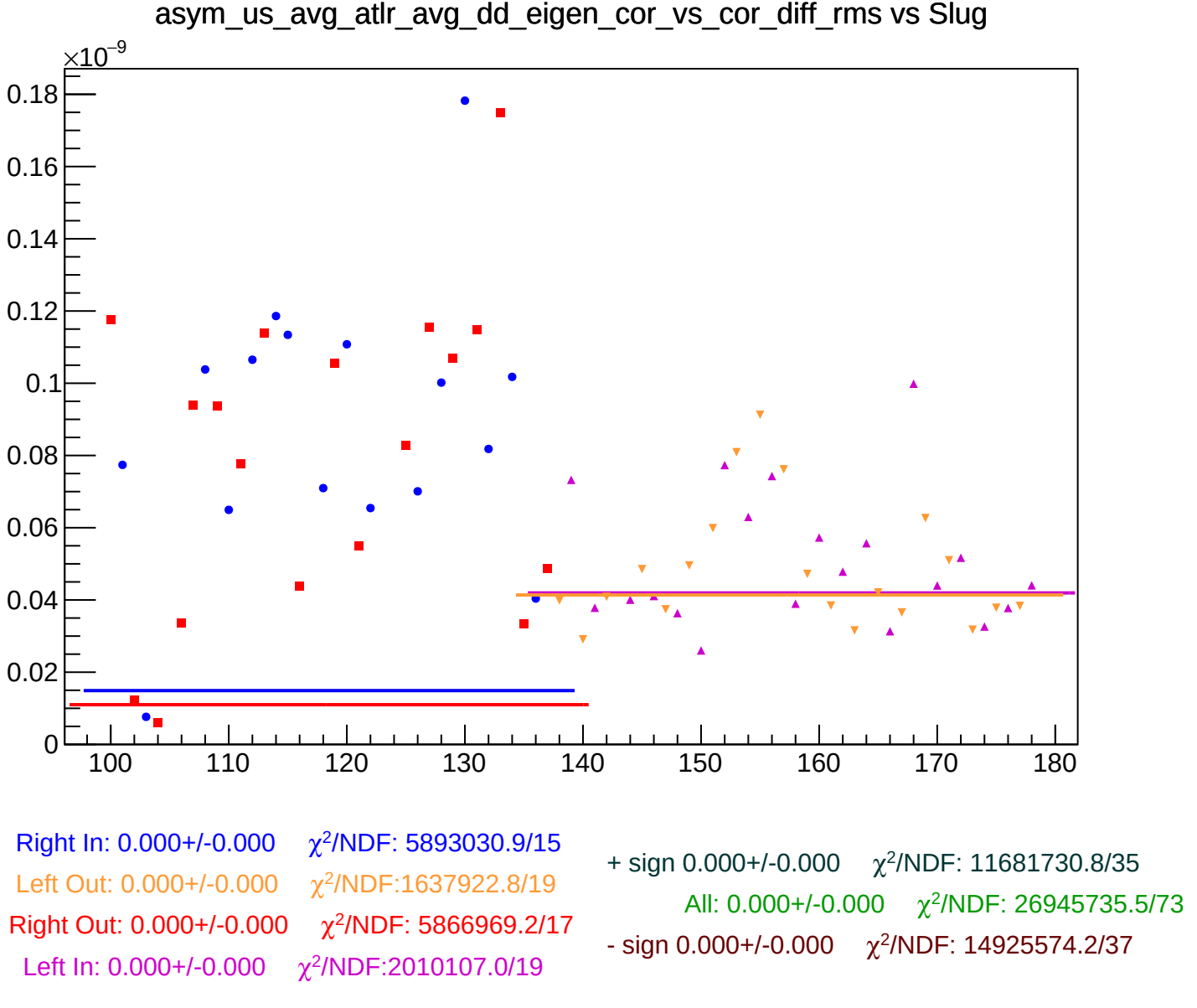
Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/17

Left In: -0.000+/-0.000 χ^2/NDF:26.1/19

+ sign -0.000+/-0.000 χ^2/NDF: 25.3/35

All: -0.000+/-0.000 χ^2/NDF: 74.0/73

- sign -0.000+/-0.000 χ^2/NDF: 48.1/37


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
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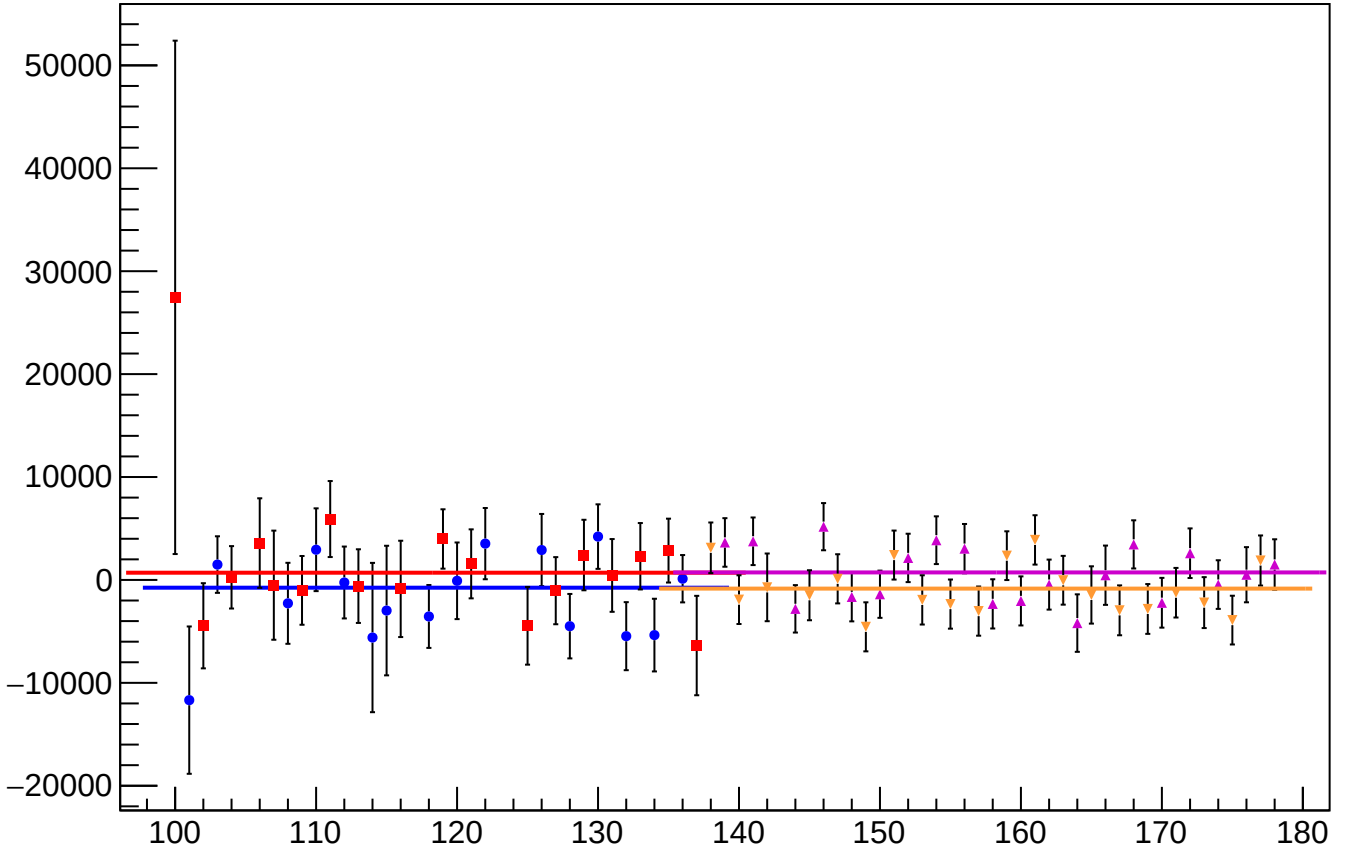
Right In: 0.000+/-0.000 χ²/NDF: 5893030.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1637922.8/19
Right Out: 0.000+/-0.000 χ²/NDF: 5866969.2/17
Left In: 0.000+/-0.000 χ²/NDF:2010107.0/19
+ sign 0.000+/-0.000 χ²/NDF: 11681730.8/35
All: 0.000+/-0.000 χ²/NDF: 26945735.5/73
- sign 0.000+/-0.000 χ²/NDF: 14925574.2/37

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: -842.695+/-547.038 χ^2/NDF:19.4/19

Right Out: 702.198+/-868.647 χ^2/NDF: 12.4/17

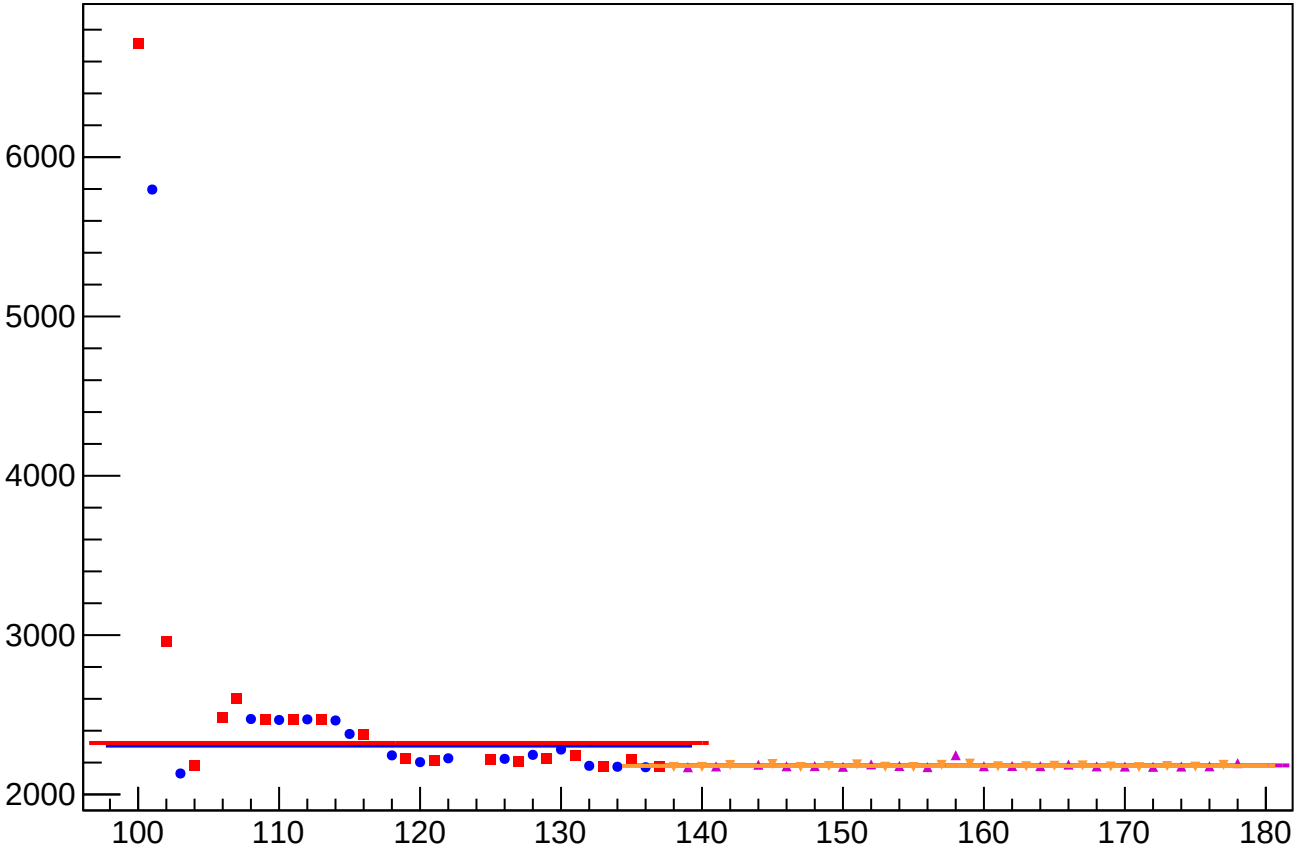
Left In: 729.289+/-539.717 χ^2/NDF:24.5/19

+ sign -817.756+/-463.498 χ^2/NDF: 35.2/35

All: -39.550+/-325.937 χ^2/NDF: 77.6/73

- sign 721.744+/-458.433 χ^2/NDF: 36.8/37

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2179.030+/-0.387 χ^2/NDF:296.6/19

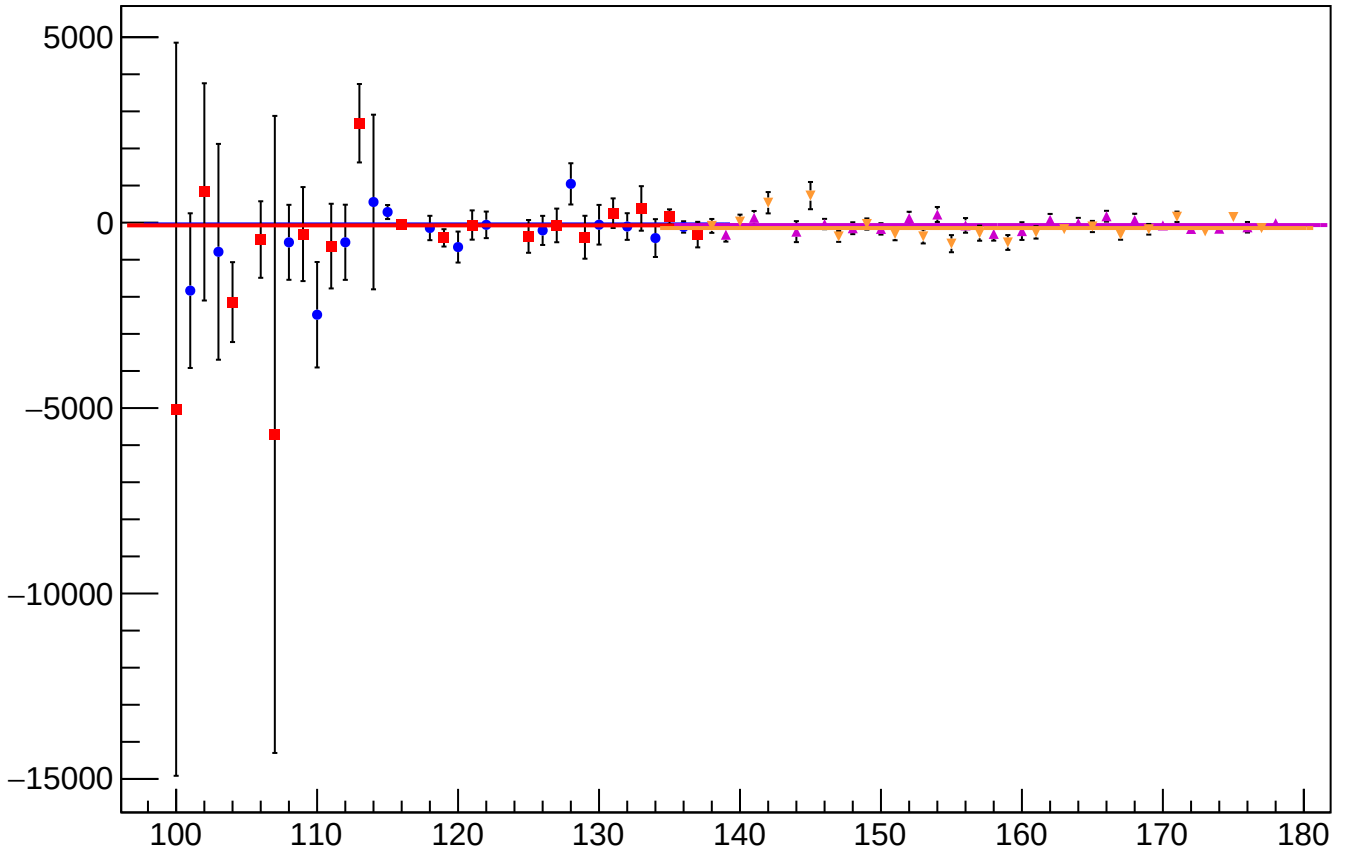
Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2182.058+/-0.382 χ^2/NDF:1779.2/19

+ sign 2215.031+/-0.328 χ^2/NDF: 545151.0/35

All: 2218.208+/-0.230 χ^2/NDF: 736897.1/73

- sign 2221.317+/-0.324 χ^2/NDF: 191560.1/37



Right In: -47.927+/-90.914 χ^2/NDF: 14.4/15

Left Out: -146.080+/-35.445 χ^2/NDF:39.4/19

Right Out: -74.200+/-82.384 χ^2/NDF: 17.6/17

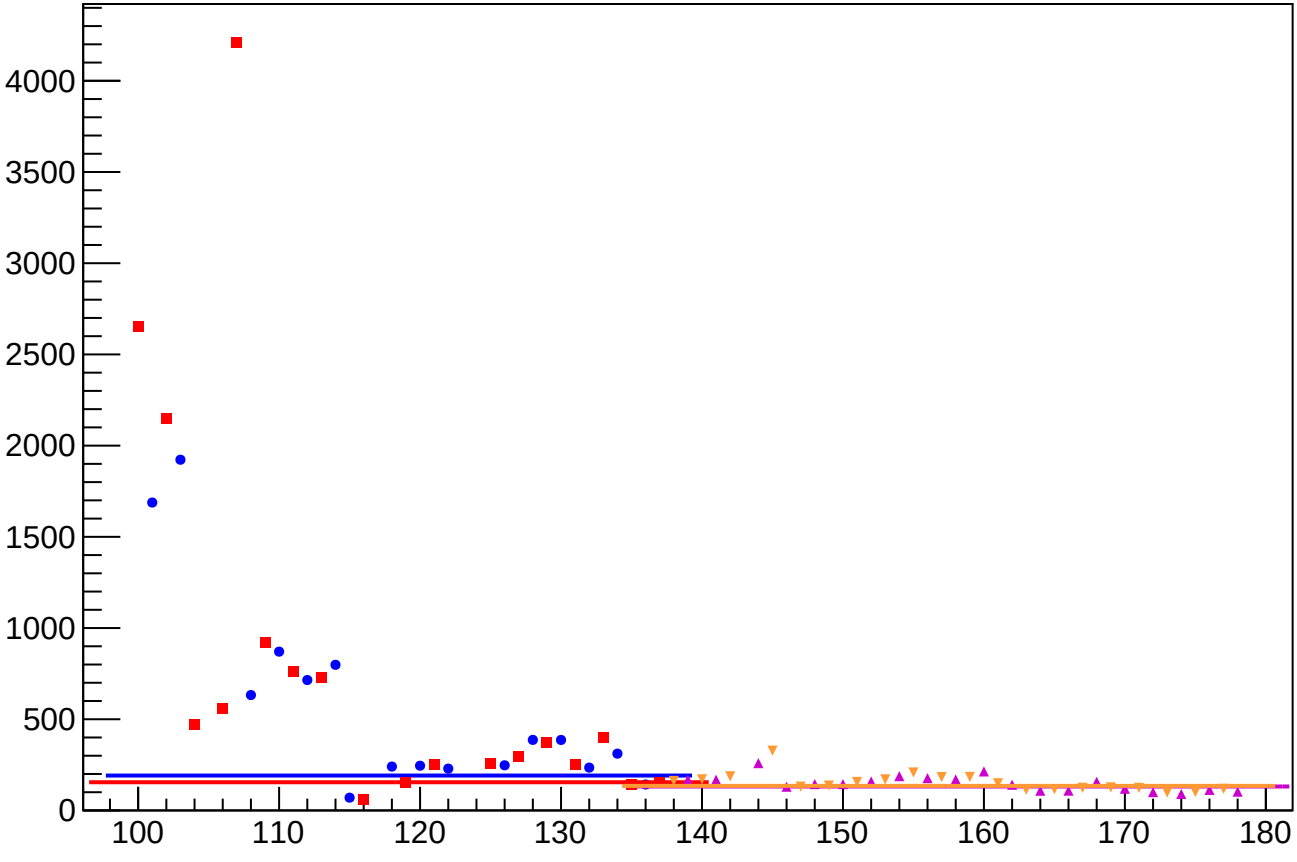
Left In: -65.897+/-34.210 χ^2/NDF:15.9/19

+ sign -133.129+/-33.024 χ^2/NDF: 54.8/35

All: -98.664+/-22.829 χ^2/NDF: 90.4/73

- sign -67.118+/-31.594 χ^2/NDF: 33.5/37

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: 134.713+/-0.025 χ^2/NDF:1802170.7/19

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

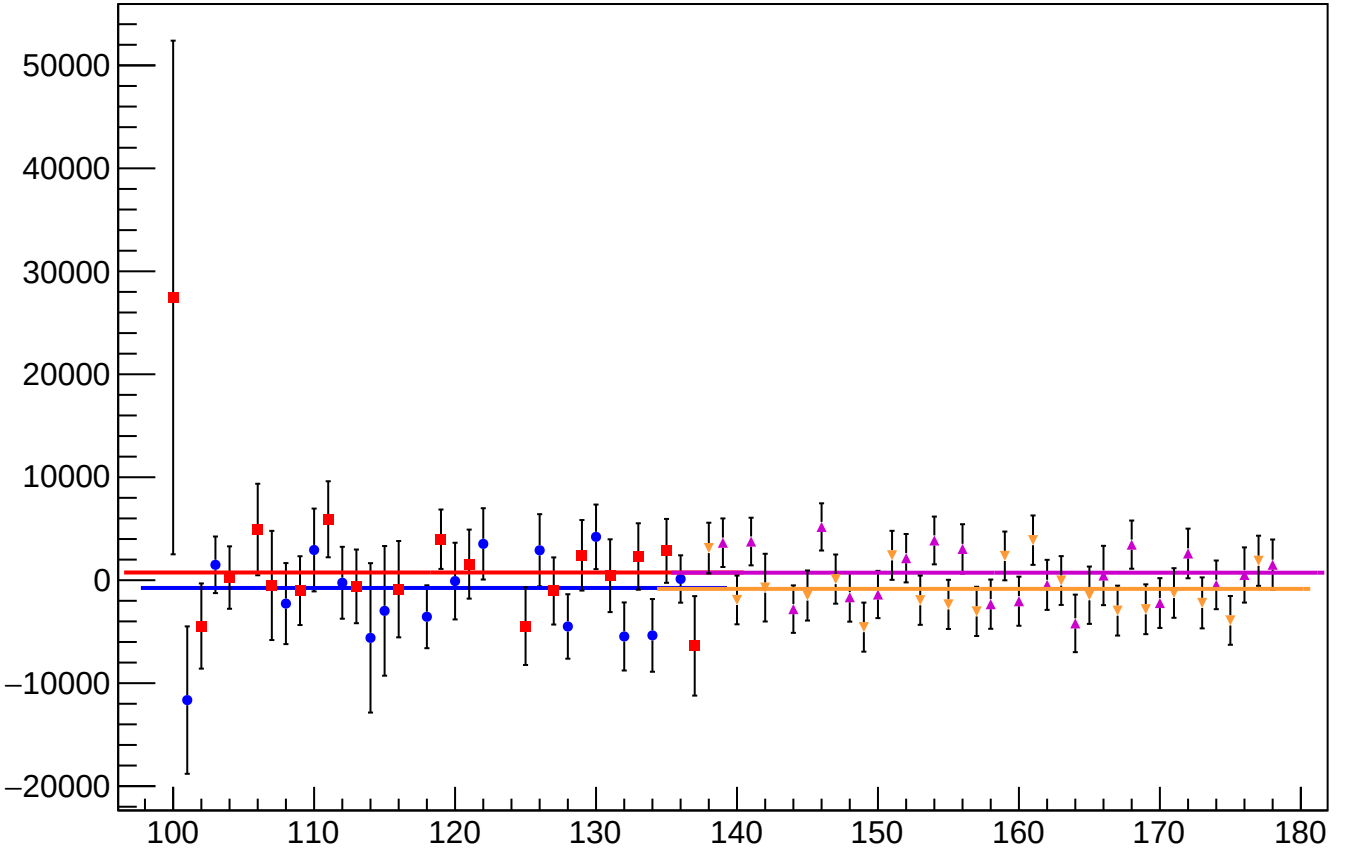
Left In: 131.379+/-0.024 χ^2/NDF:2038219.5/19

+ sign 142.190+/-0.023 χ^2/NDF: 7541423.0/35

All: 138.334+/-0.016 χ^2/NDF: 15922569.5/73

- sign 134.805+/-0.022 χ^2/NDF: 8328930.5/37

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -842.691+/-547.038 χ^2/NDF:19.4/19

Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

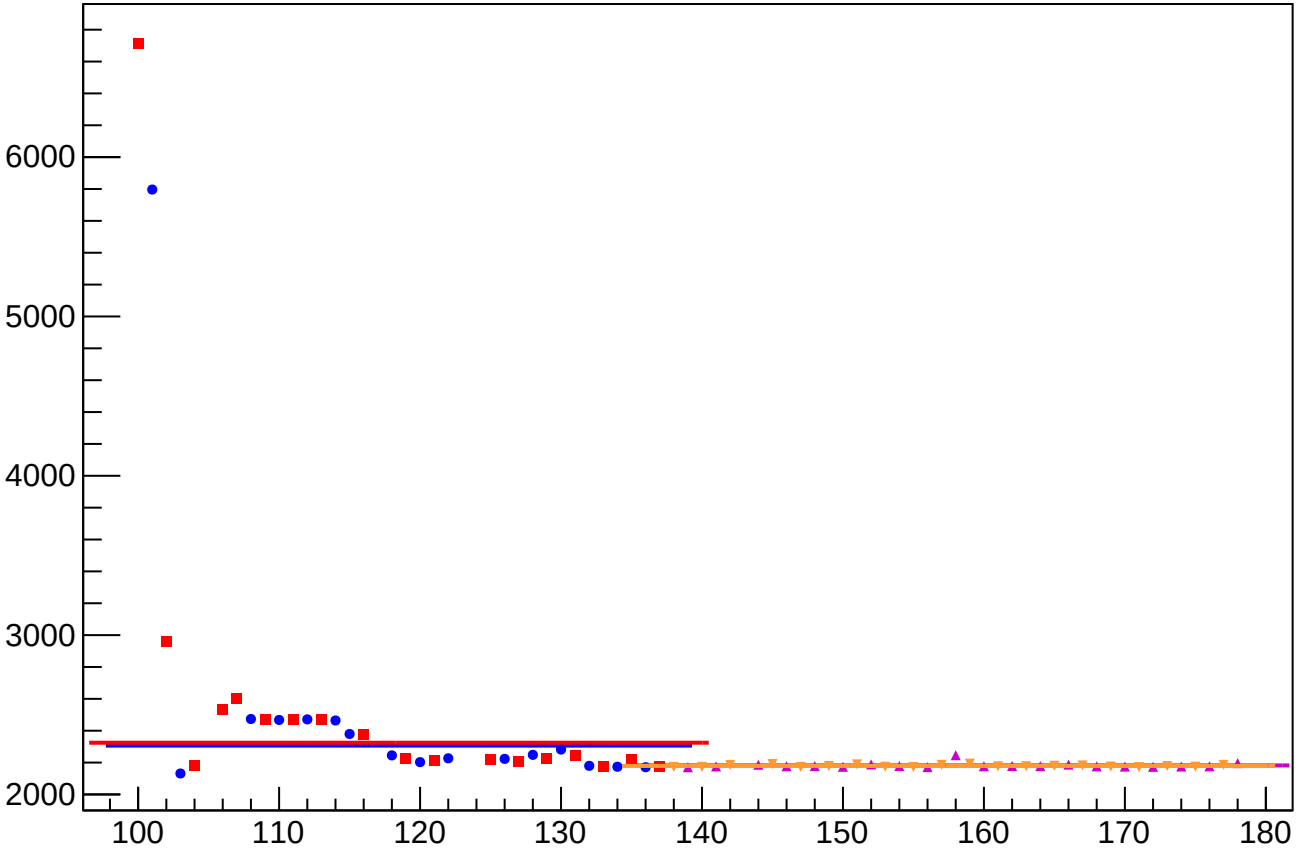
Left In: 729.273+/-539.717 χ^2/NDF:24.5/19

+ sign -817.479+/-463.498 χ^2/NDF: 35.2/35

All: -32.967+/-325.975 χ^2/NDF: 78.2/73

- sign 734.849+/-458.539 χ^2/NDF: 37.3/37

cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2179.030+/-0.387 χ^2/NDF:296.6/19

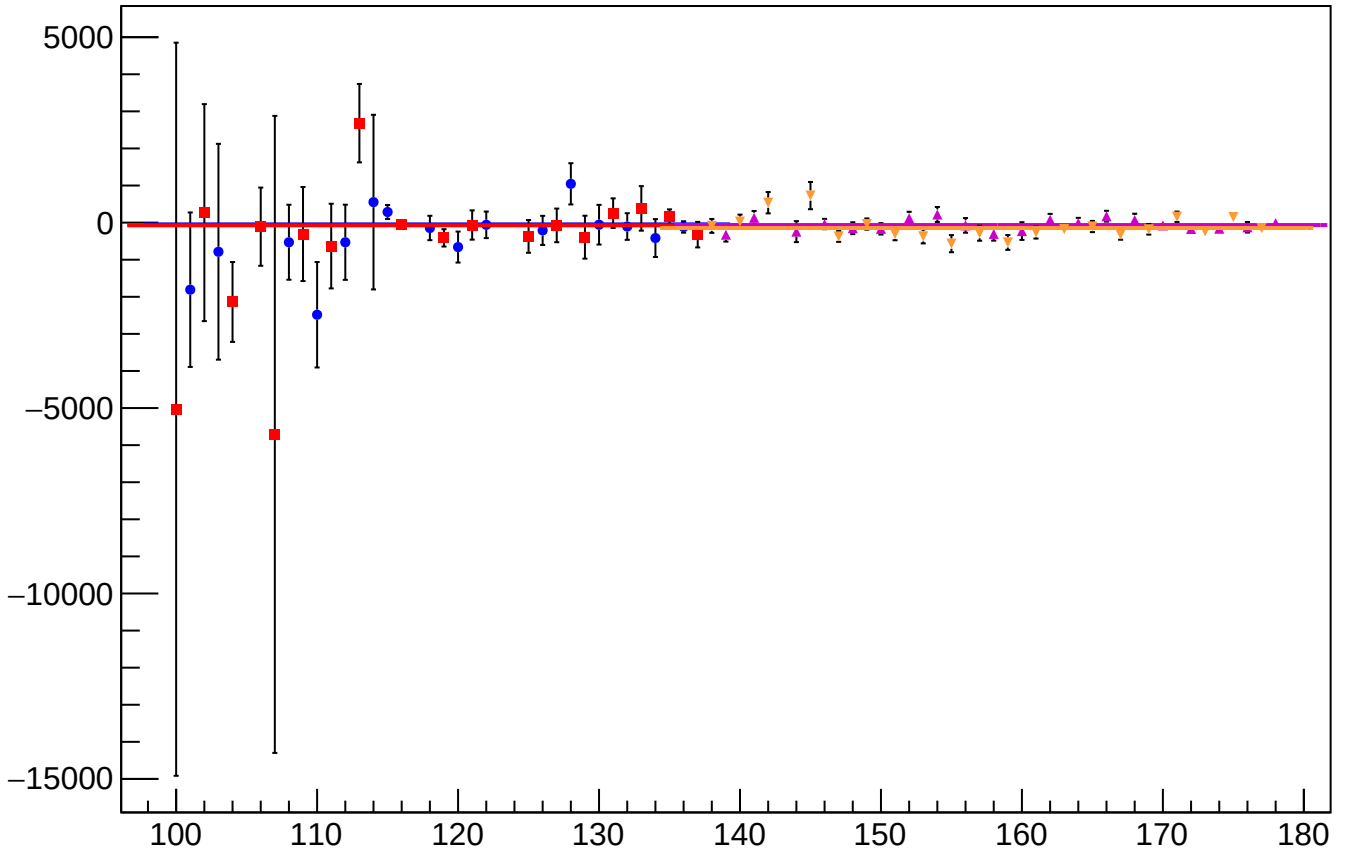
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2182.058+/-0.382 χ^2/NDF:1779.2/19

+ sign 2215.031+/-0.328 χ^2/NDF: 545151.3/35

All: 2218.419+/-0.230 χ^2/NDF: 739575.9/73

- sign 2221.736+/-0.324 χ^2/NDF: 194213.1/37



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -146.061+/-35.445 χ^2/NDF:39.4/19

Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

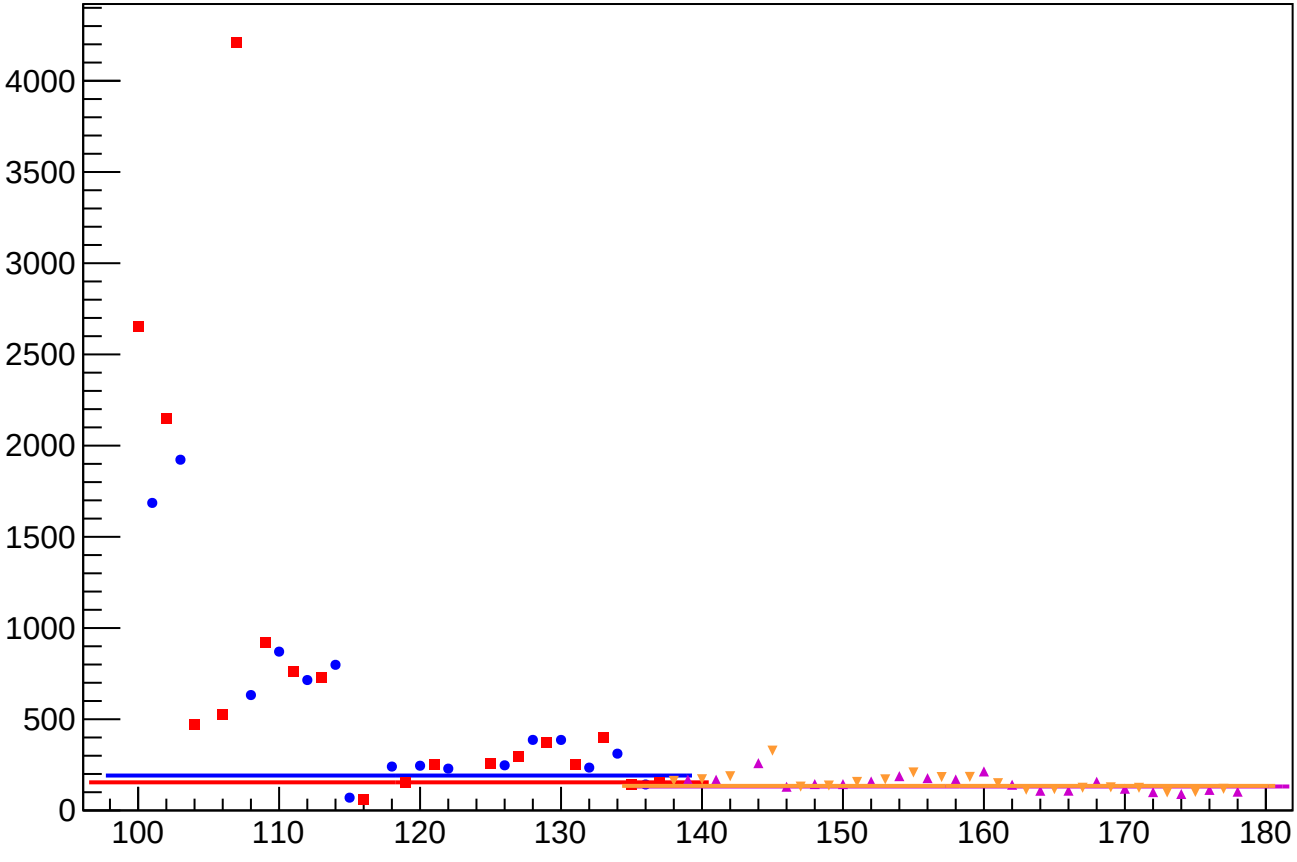
Left In: -65.836+/-34.213 χ^2/NDF:15.9/19

+ sign -133.118+/-33.024 χ^2/NDF: 54.7/35

All: -98.476+/-22.829 χ^2/NDF: 90.2/73

- sign -66.773+/-31.593 χ^2/NDF: 33.3/37

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 134.712+/-0.025 χ^2/NDF:1802134.0/19

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

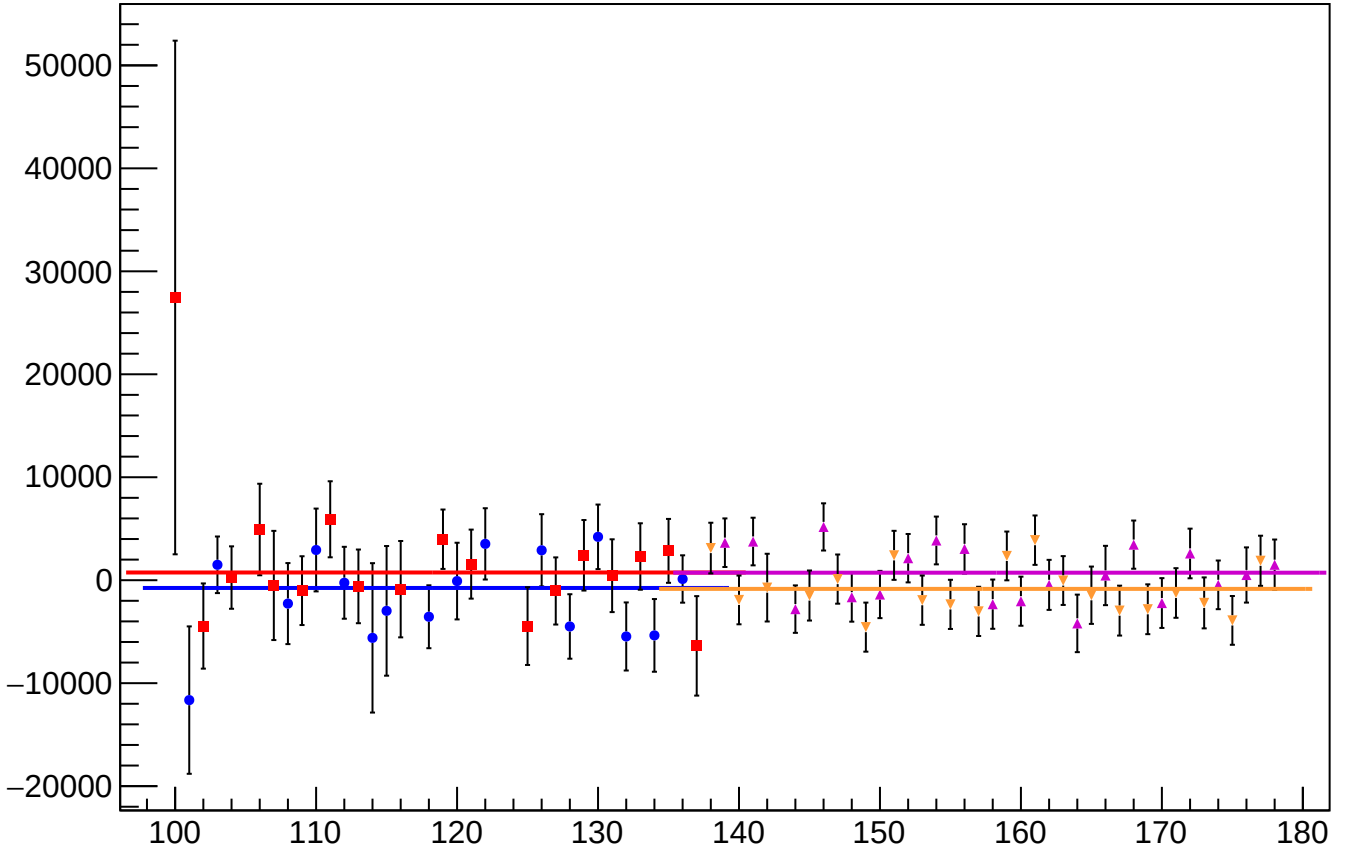
Left In: 131.389+/-0.024 χ^2/NDF:2038396.0/19

+ sign 142.192+/-0.023 χ^2/NDF: 7540758.8/35

All: 138.299+/-0.016 χ^2/NDF: 15871076.1/73

- sign 134.737+/-0.022 χ^2/NDF: 8277101.7/37

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: -842.691+/-547.038 χ^2/NDF:19.4/19

Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

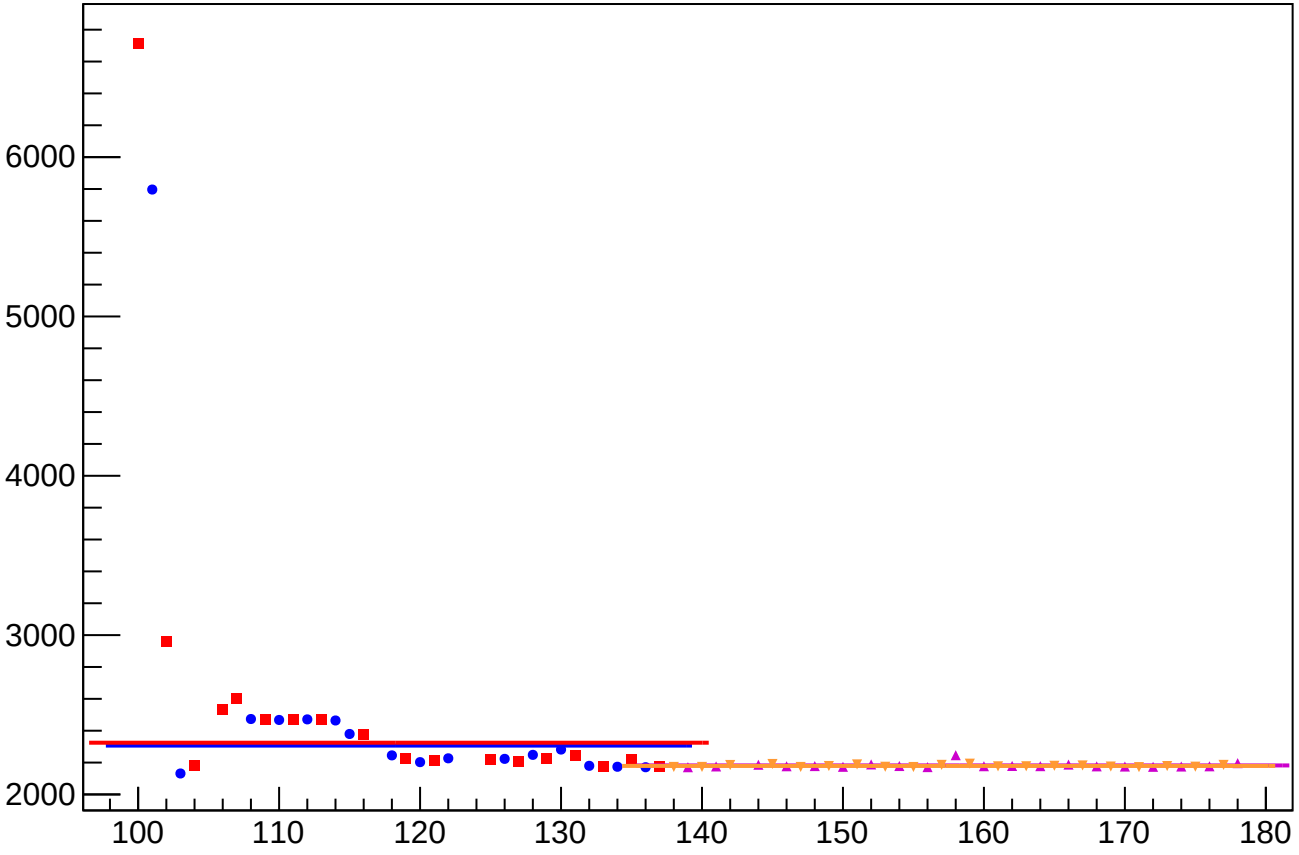
Left In: 729.273+/-539.717 χ^2/NDF:24.5/19

+ sign -817.479+/-463.498 χ^2/NDF: 35.2/35

All: -32.967+/-325.975 χ^2/NDF: 78.2/73

- sign 734.849+/-458.539 χ^2/NDF: 37.3/37

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: 2179.030+/-0.387 χ^2/NDF:296.6/19

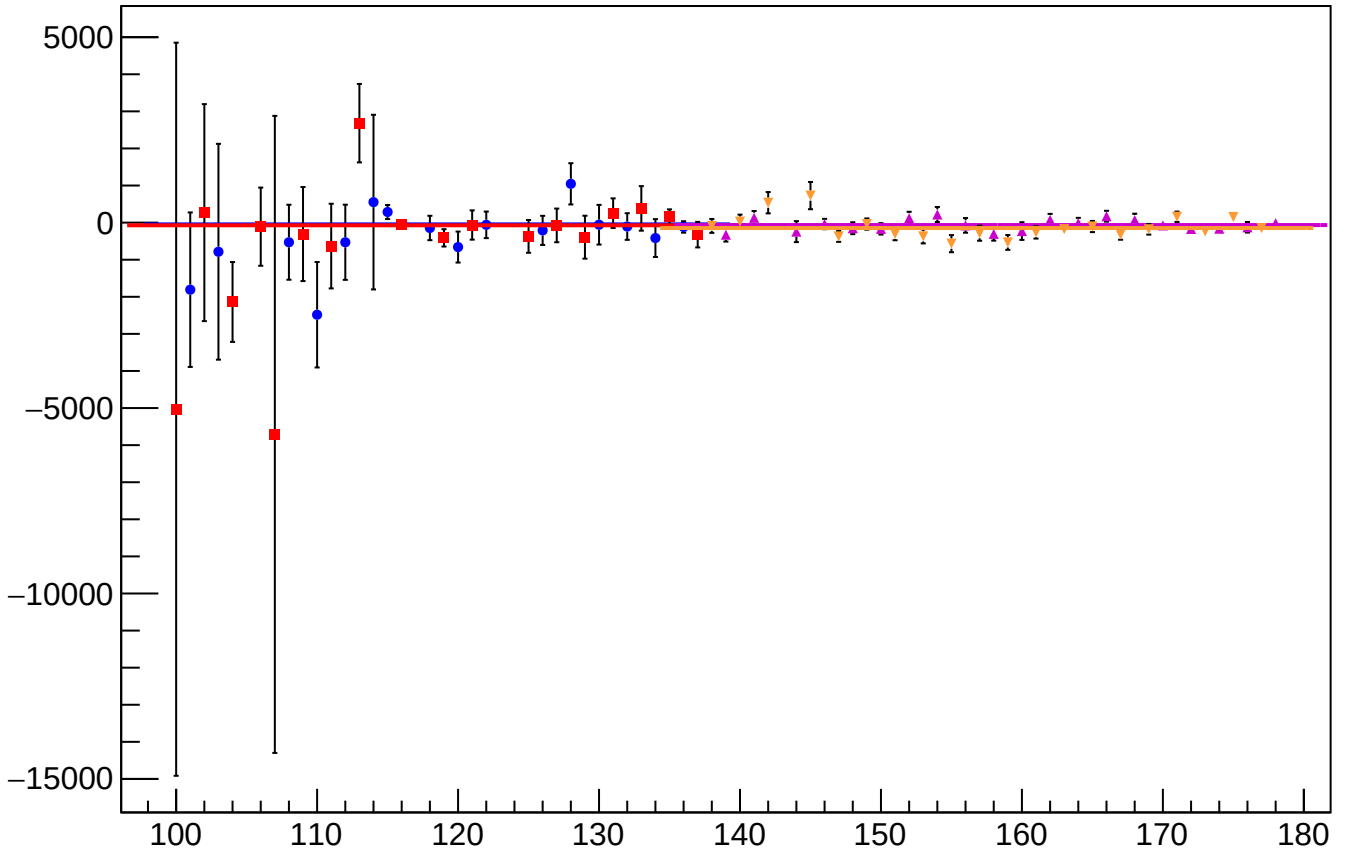
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2182.058+/-0.382 χ^2/NDF:1779.2/19

+ sign 2215.031+/-0.328 χ^2/NDF: 545151.3/35

All: 2218.419+/-0.230 χ^2/NDF: 739575.9/73

- sign 2221.736+/-0.324 χ^2/NDF: 194213.1/37



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -146.061+/-35.445 χ^2/NDF:39.4/19

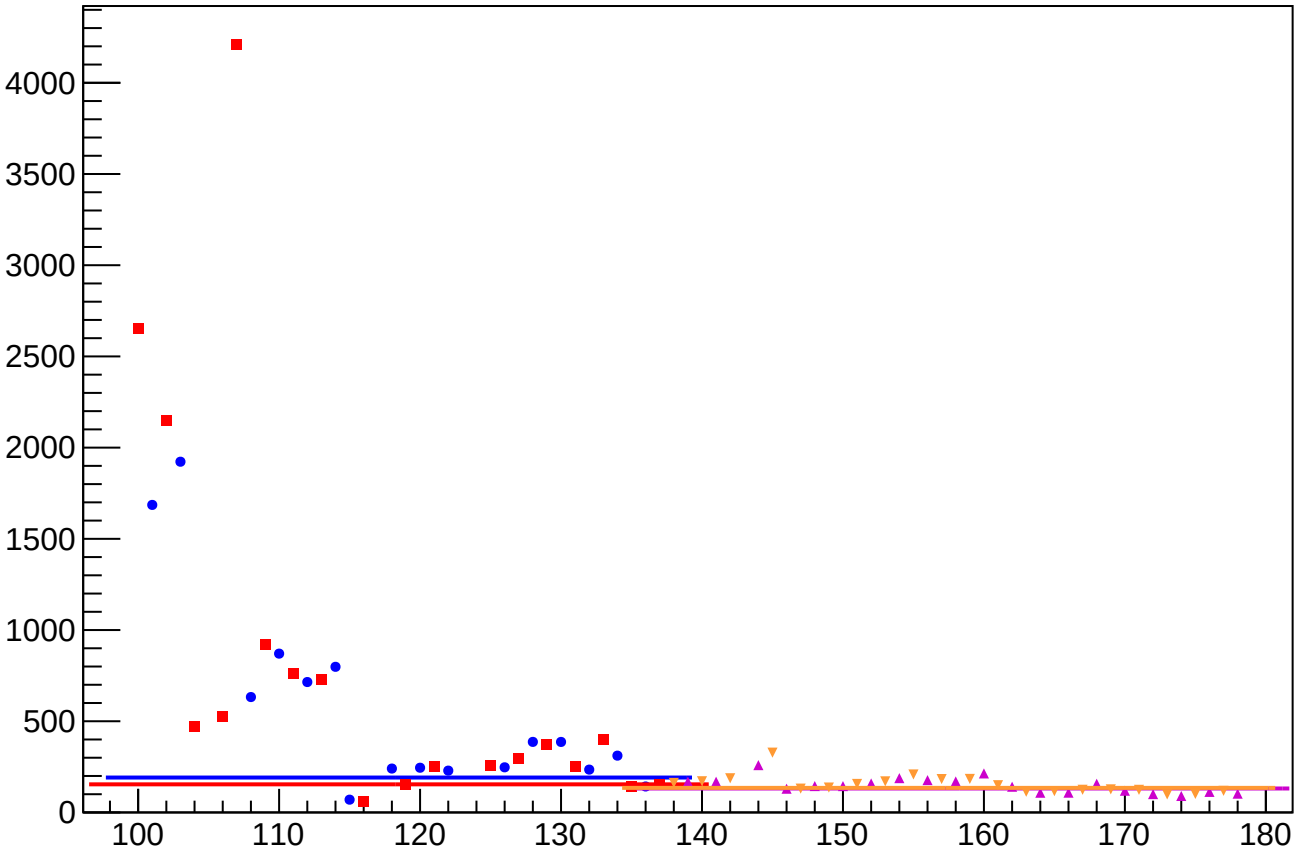
Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: -65.836+/-34.213 χ^2/NDF:15.9/19

+ sign -133.118+/-33.024 χ^2/NDF: 54.7/35

All: -98.476+/-22.829 χ^2/NDF: 90.2/73

- sign -66.773+/-31.593 χ^2/NDF: 33.3/37



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 134.712+/-0.025 χ^2/NDF:1802134.0/19

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

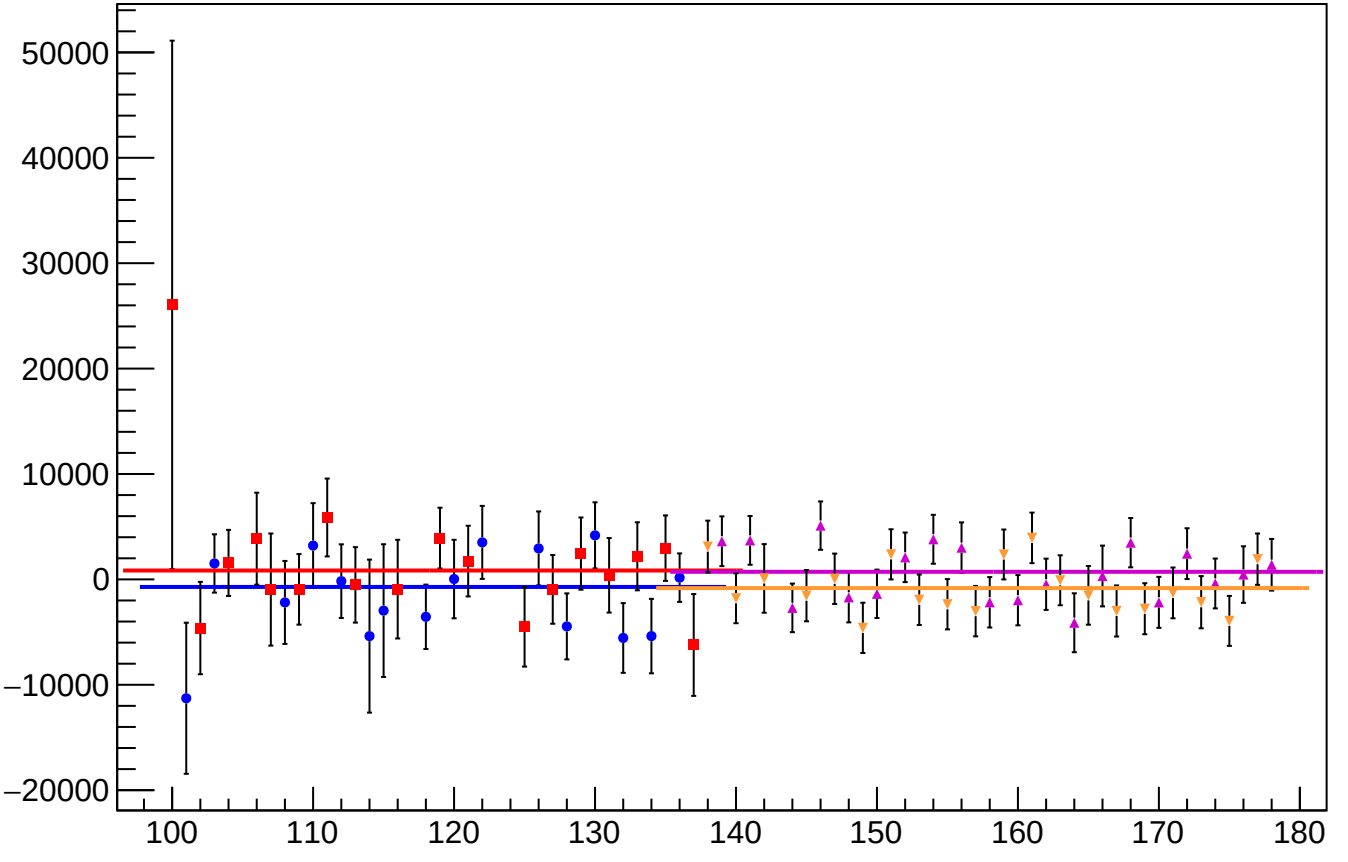
Left In: 131.389+/-0.024 χ^2/NDF:2038396.0/19

+ sign 142.192+/-0.023 χ^2/NDF: 7540758.8/35

All: 138.299+/-0.016 χ^2/NDF: 15871076.1/73

- sign 134.737+/-0.022 χ^2/NDF: 8277101.7/37

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -717.136+/-873.539 χ^2/NDF: 15.8/15

Left Out: -825.289+/-547.069 χ^2/NDF:19.5/19

Right Out: 842.157+/-873.586 χ^2/NDF: 12.2/17

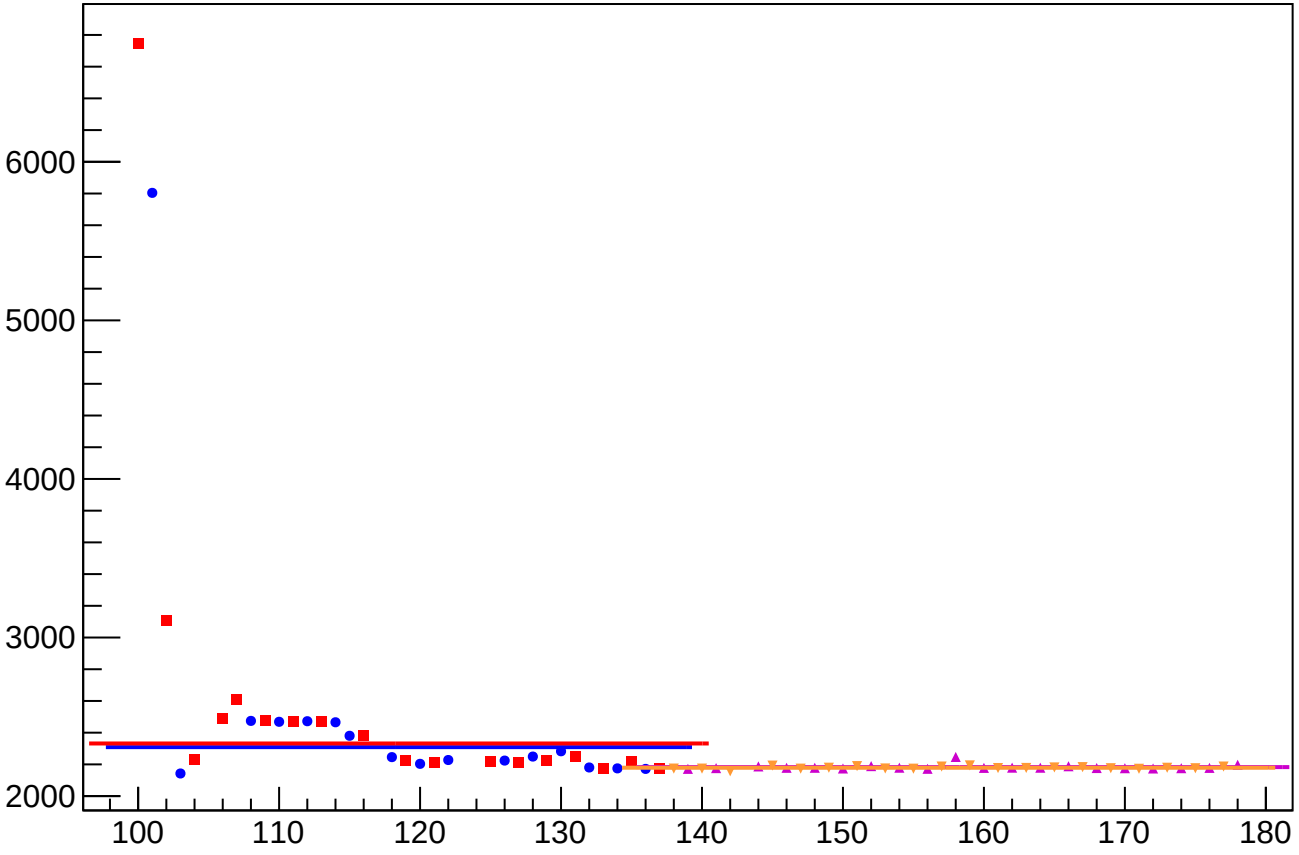
Left In: 718.575+/-539.917 χ^2/NDF:23.5/19

+ sign -794.821+/-463.649 χ^2/NDF: 35.4/35

All: -13.715+/-326.293 χ^2/NDF: 76.7/73

- sign 752.733+/-459.278 χ^2/NDF: 35.7/37

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2178.993+/-0.387 χ^2/NDF:391.2/19

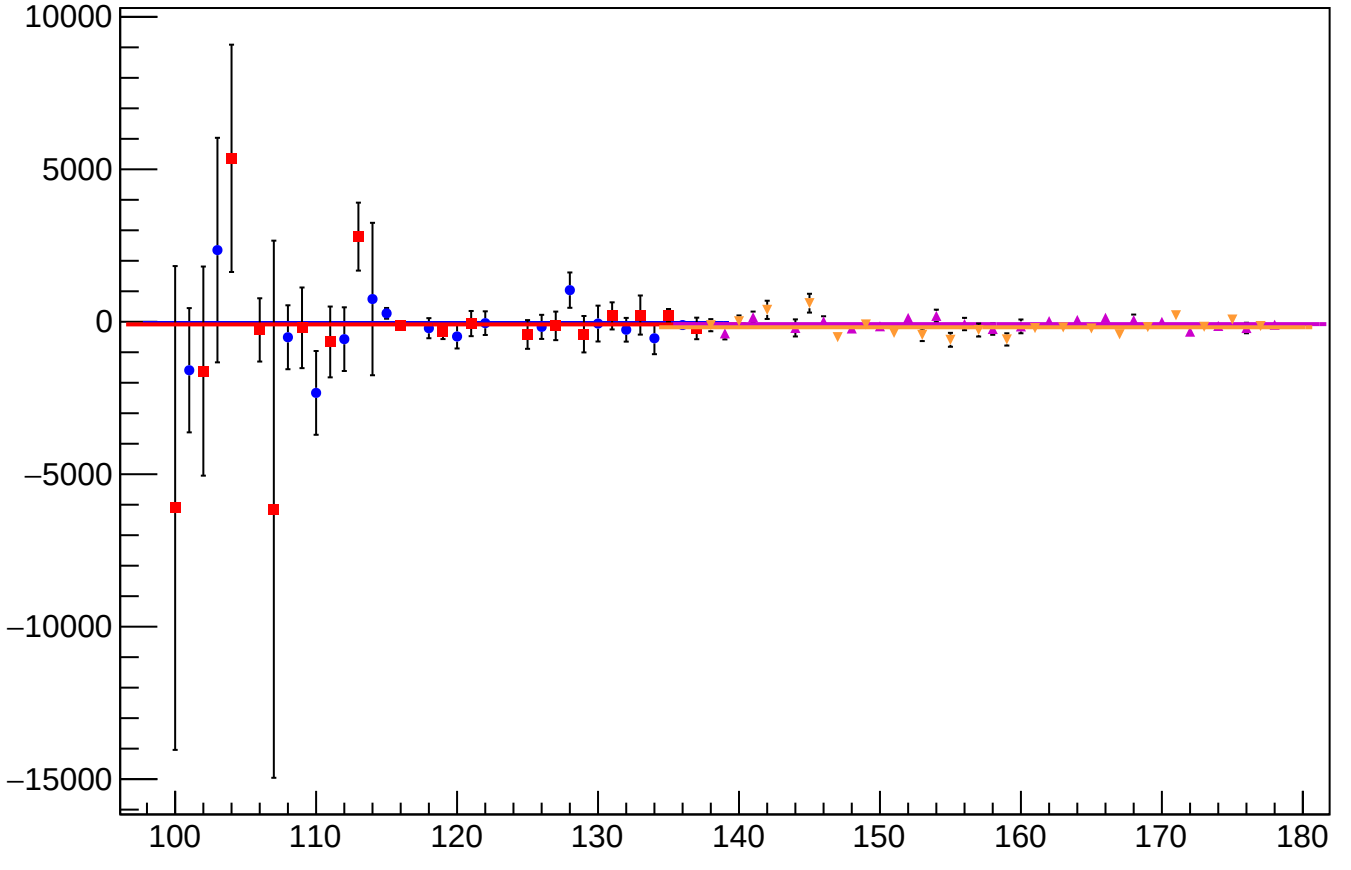
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2182.868+/-0.382 χ^2/NDF:1774.2/19

+ sign 2215.545+/-0.328 χ^2/NDF: 545825.5/35

All: 2219.836+/-0.231 χ^2/NDF: 757351.3/73

- sign 2224.047+/-0.325 χ^2/NDF: 211186.4/37



Right In: -40.119+/-92.409 χ^2/NDF: 14.1/15

Left Out: -179.843+/-36.769 χ^2/NDF:39.6/19

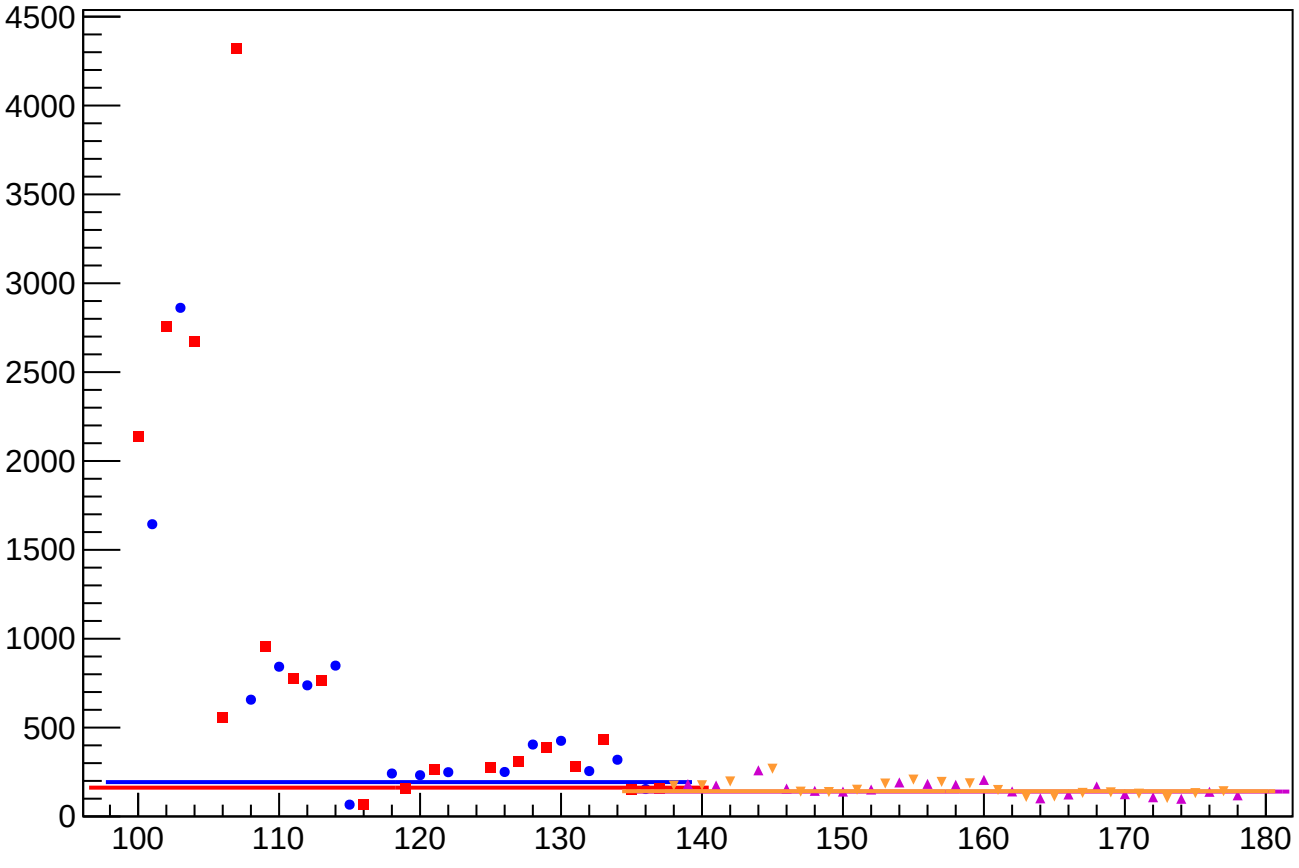
Right Out: -86.379+/-86.088 χ^2/NDF: 15.0/17

Left In: -77.164+/-35.728 χ^2/NDF:18.5/19

+ sign -160.745+/-34.164 χ^2/NDF: 55.7/35

All: -118.205+/-23.735 χ^2/NDF: 92.1/73

- sign -78.518+/-32.999 χ^2/NDF: 33.4/37



Right In: 193.255+/-0.065 χ^2/NDF: 5617847.0/15

Left Out: 142.102+/-0.026 χ^2/NDF:1476940.1/19

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

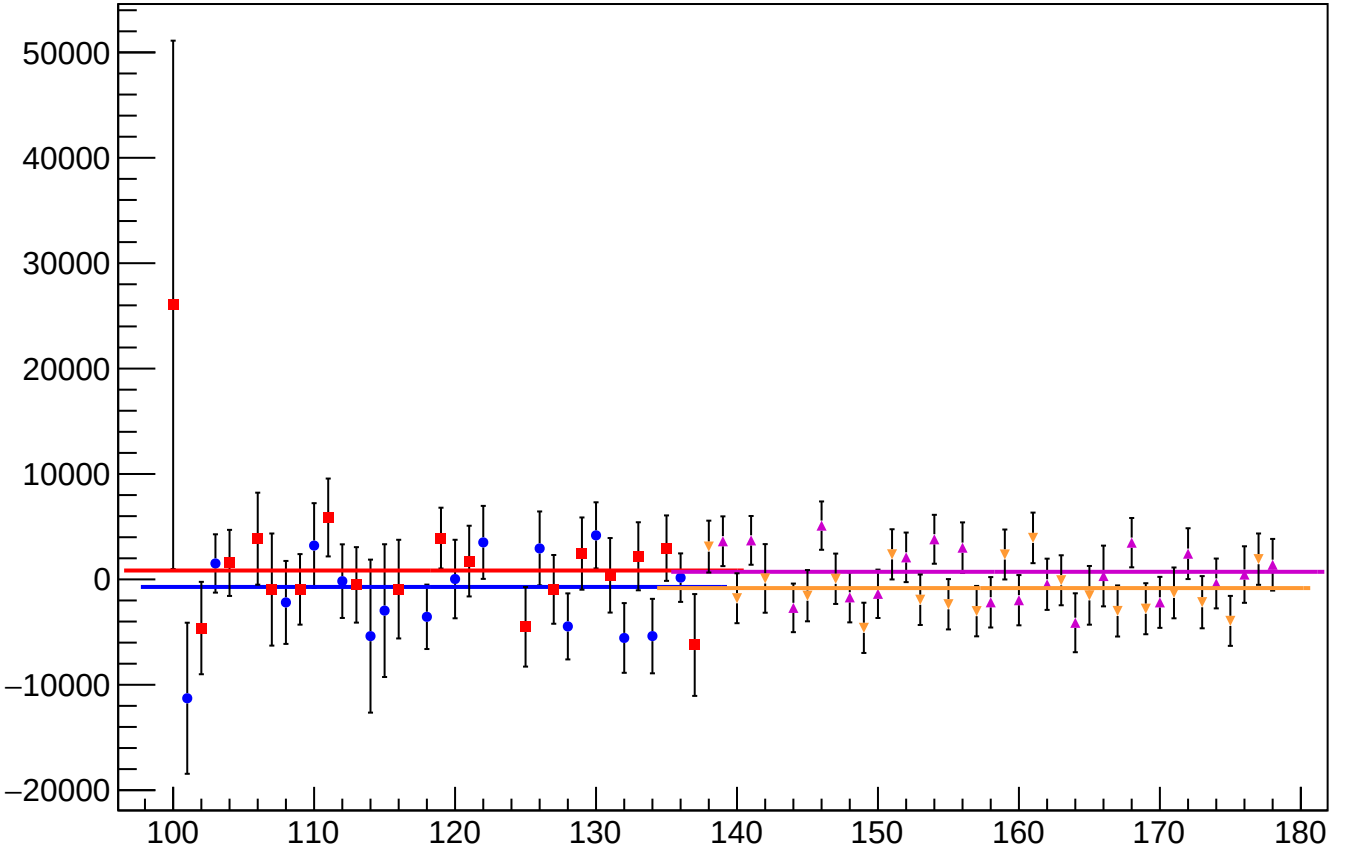
Left In: 139.941+/-0.025 χ^2/NDF:1747154.1/19

+ sign 149.093+/-0.024 χ^2/NDF: 7623869.8/35

All: 146.044+/-0.017 χ^2/NDF: 16585505.3/73

- sign 143.198+/-0.023 χ^2/NDF: 8930830.3/37

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: -825.291+/-547.069 χ^2/NDF:19.5/19

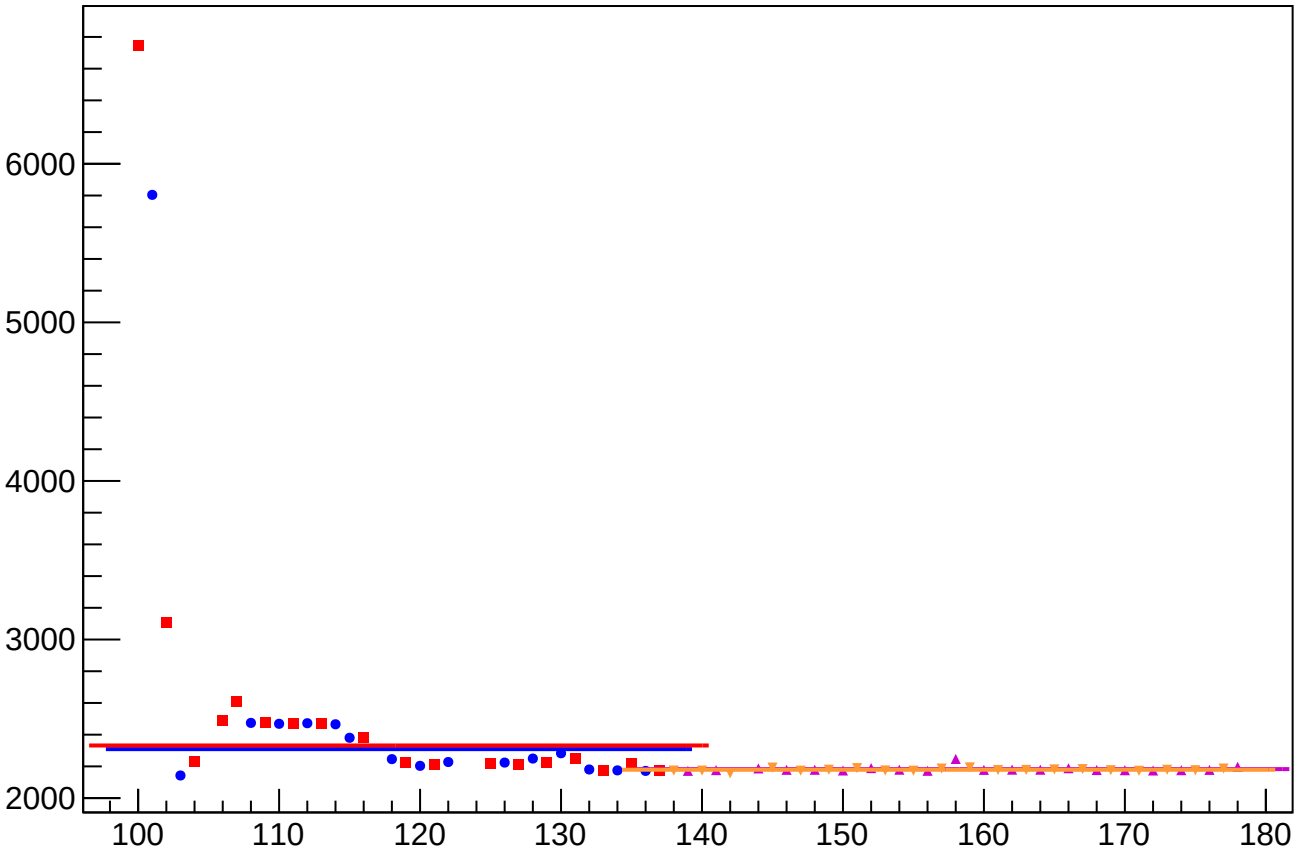
Right Out: 842.159+/-873.586 χ^2/NDF: 12.2/17

Left In: 718.574+/-539.917 χ^2/NDF:23.5/19

+ sign -794.822+/-463.649 χ^2/NDF: 35.4/35

All: -13.715+/-326.293 χ^2/NDF: 76.7/73

- sign 752.733+/-459.278 χ^2/NDF: 35.7/37



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2178.993+/-0.387 χ^2/NDF:391.2/19

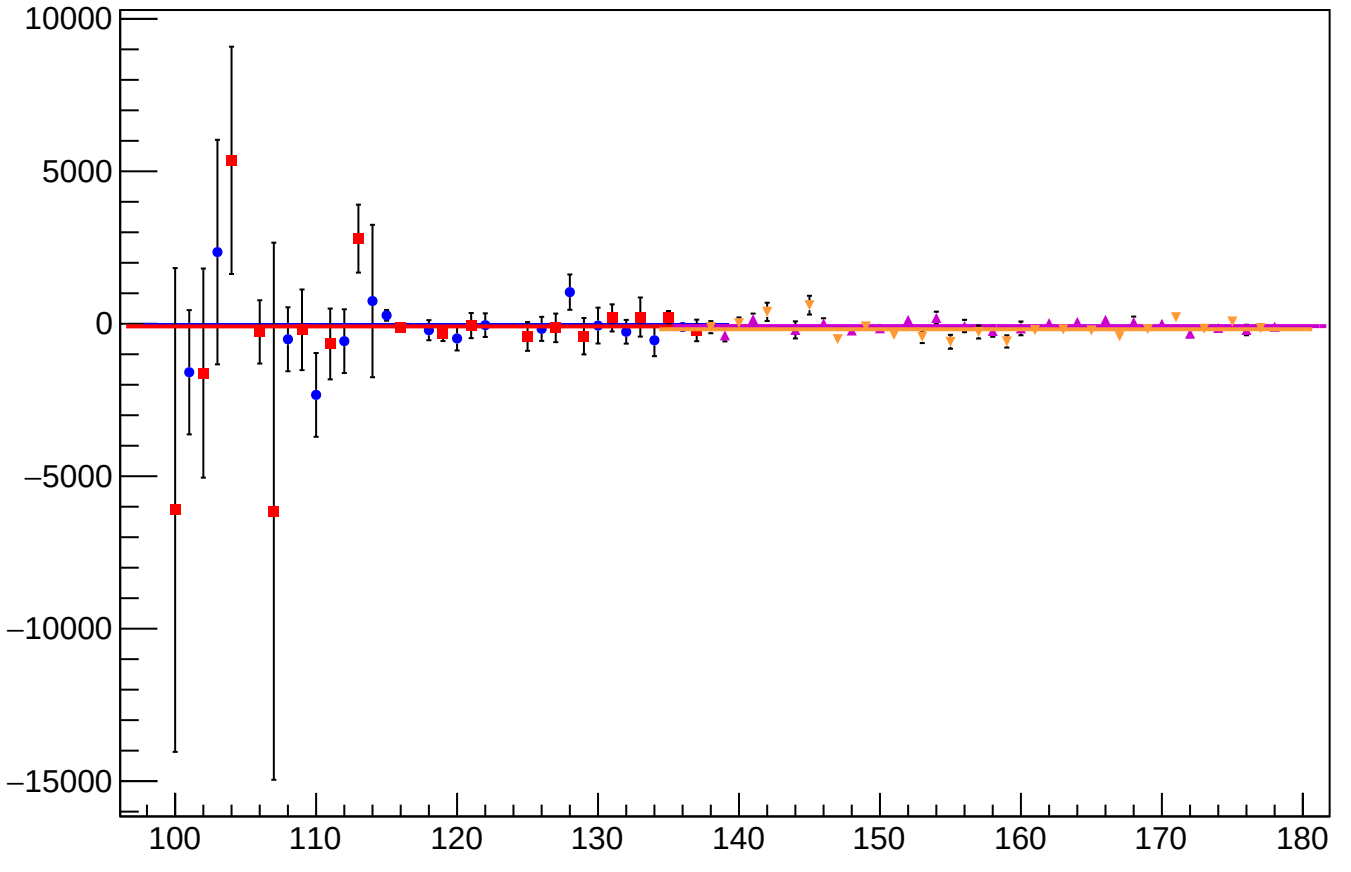
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2182.868+/-0.382 χ^2/NDF:1774.2/19

+ sign 2215.545+/-0.328 χ^2/NDF: 545825.5/35

All: 2219.836+/-0.231 χ^2/NDF: 757351.2/73

- sign 2224.047+/-0.325 χ^2/NDF: 211186.2/37



Right In: -40.116+/-92.408 χ^2/NDF: 14.1/15

Left Out: -179.844+/-36.769 χ^2/NDF:39.6/19

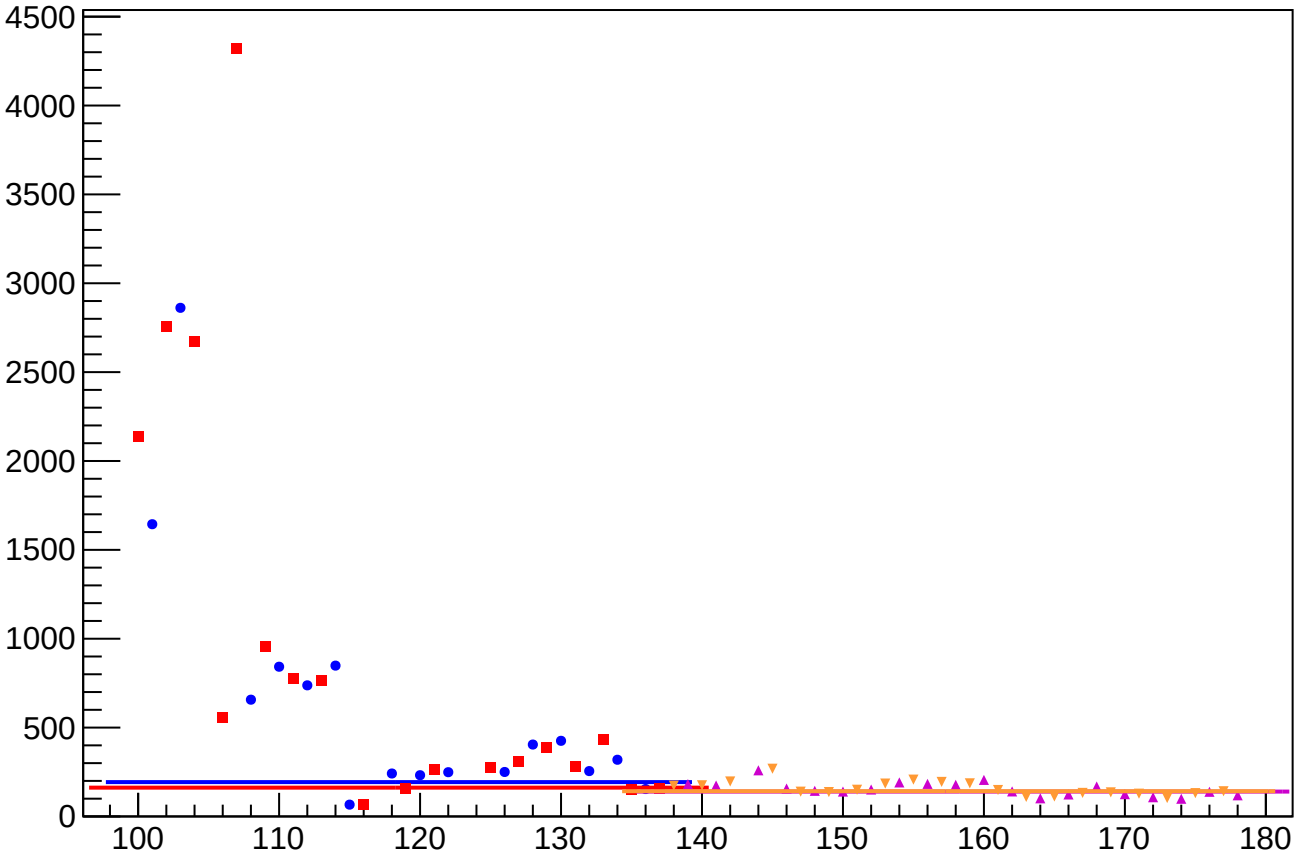
Right Out: -86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: -77.163+/-35.728 χ^2/NDF:18.5/19

+ sign -160.745+/-34.164 χ^2/NDF: 55.7/35

All: -118.205+/-23.735 χ^2/NDF: 92.1/73

- sign -78.517+/-32.999 χ^2/NDF: 33.4/37



Right In: 193.253+/-0.065 χ^2/NDF: 5617884.1/15

Left Out: 142.102+/-0.026 χ^2/NDF:1476948.5/19

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

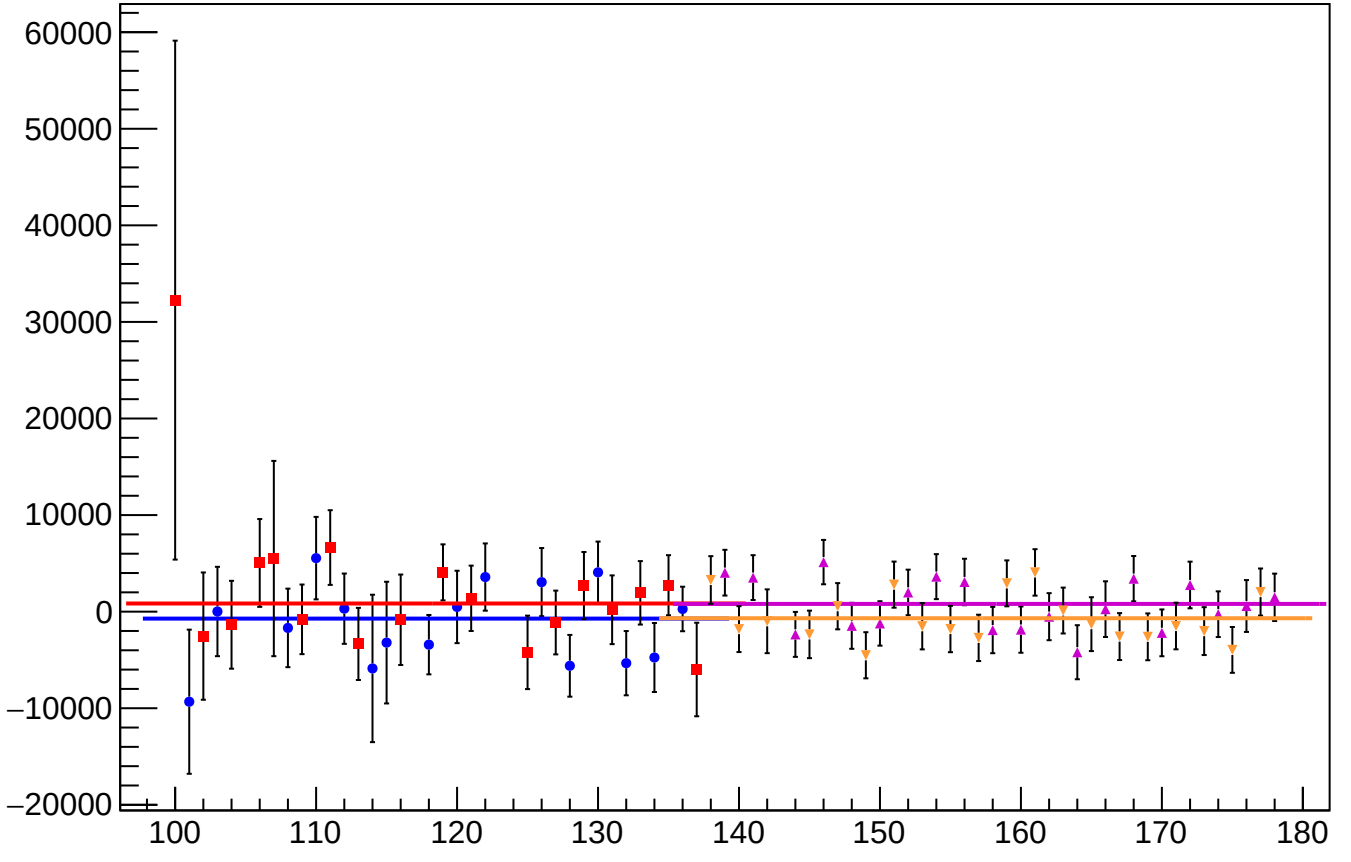
Left In: 139.941+/-0.025 χ^2/NDF:1747189.1/19

+ sign 149.093+/-0.024 χ^2/NDF: 7623872.5/35

All: 146.044+/-0.017 χ^2/NDF: 16585579.9/73

- sign 143.198+/-0.023 χ^2/NDF: 8930901.2/37

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: -681.455+/-548.768 χ^2/NDF:20.4/19

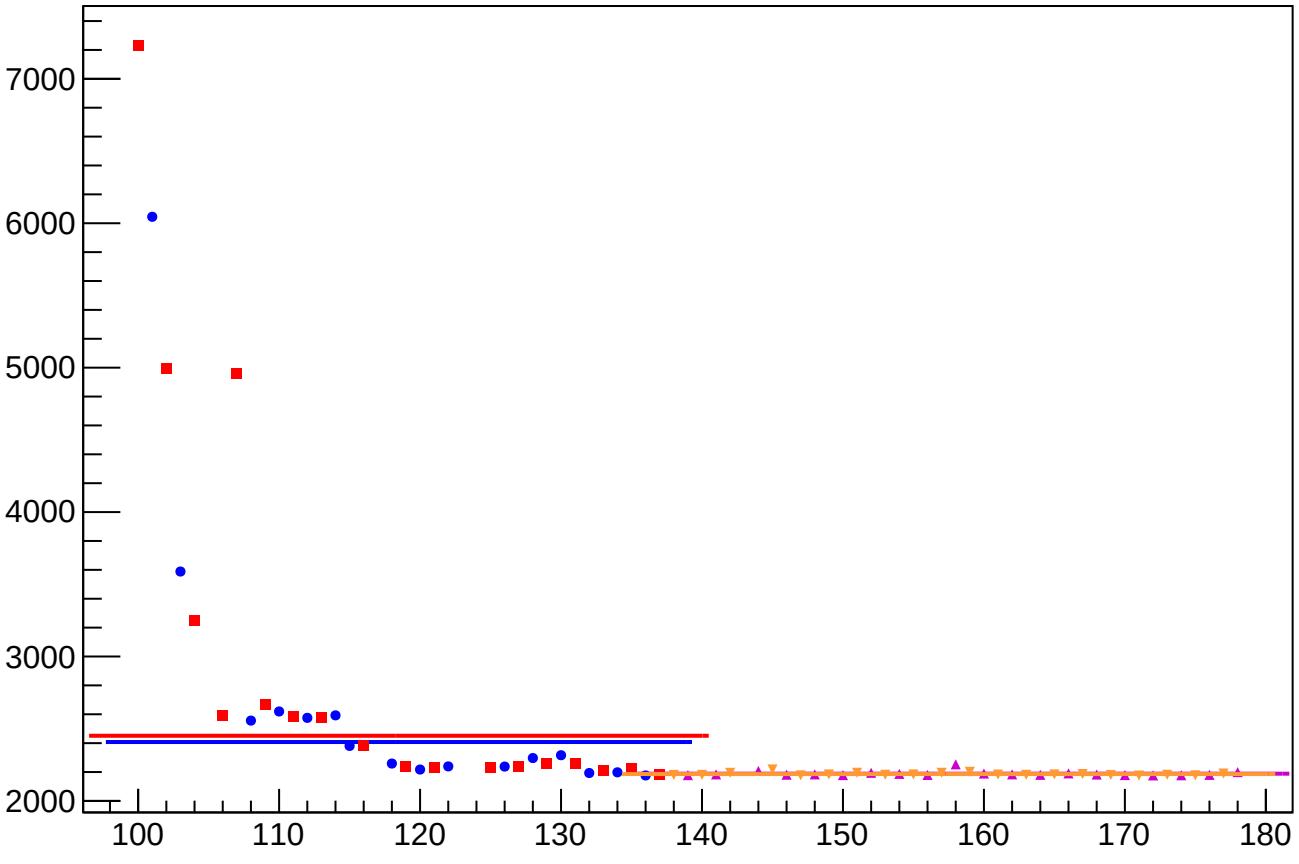
Right Out: 844.810+/-928.703 χ^2/NDF: 12.9/17

Left In: 801.491+/-541.353 χ^2/NDF:22.7/19

+ sign -691.517+/-470.784 χ^2/NDF: 36.2/35

All: 65.431+/-331.797 χ^2/NDF: 77.0/73

- sign 812.477+/-467.695 χ^2/NDF: 35.6/37



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2185.909+/-0.388 χ^2/NDF:660.0/19

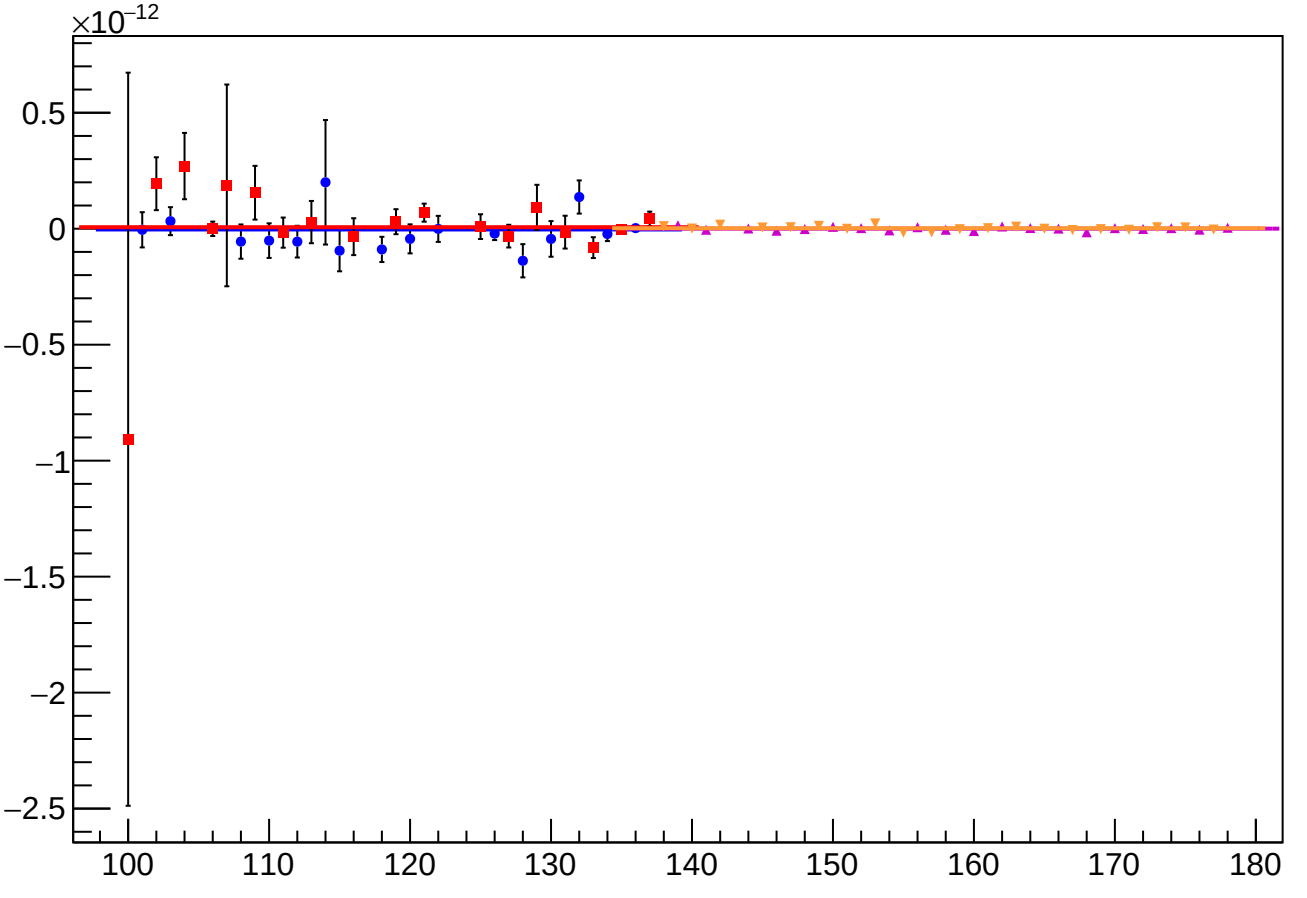
Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2188.664+/-0.383 χ^2/NDF:1956.8/19

+ sign 2244.491+/-0.333 χ^2/NDF: 763878.5/35

All: 2249.903+/-0.235 χ^2/NDF: 1519245.2/73

- sign 2255.244+/-0.331 χ^2/NDF: 754841.6/37



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.1/19

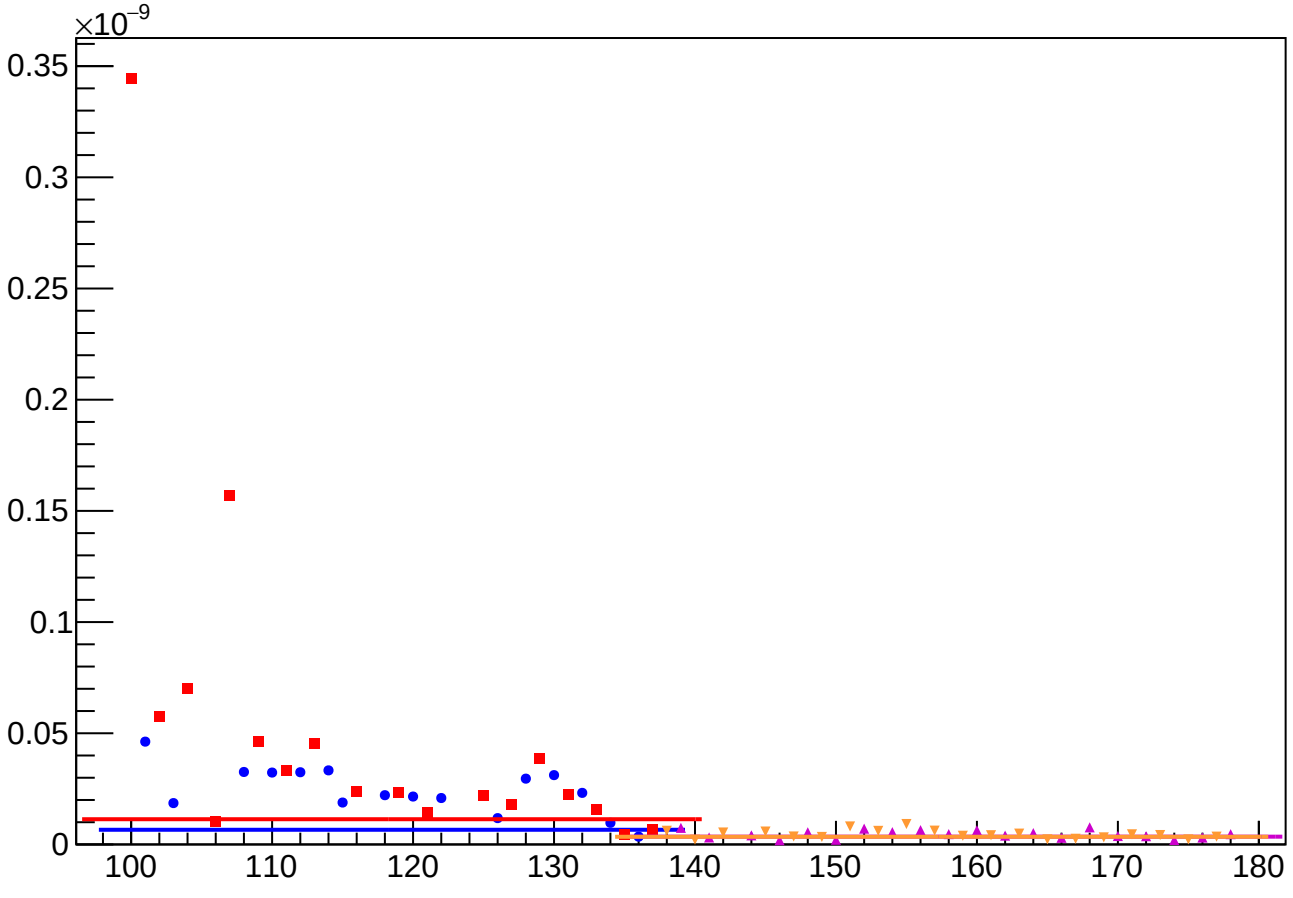
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: 0.000+/-0.000 χ^2/NDF:13.1/19

+ sign 0.000+/-0.000 χ^2/NDF: 33.4/35

All: 0.000+/-0.000 χ^2/NDF: 66.1/73

- sign 0.000+/-0.000 χ^2/NDF: 32.3/37



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1636430.6/19

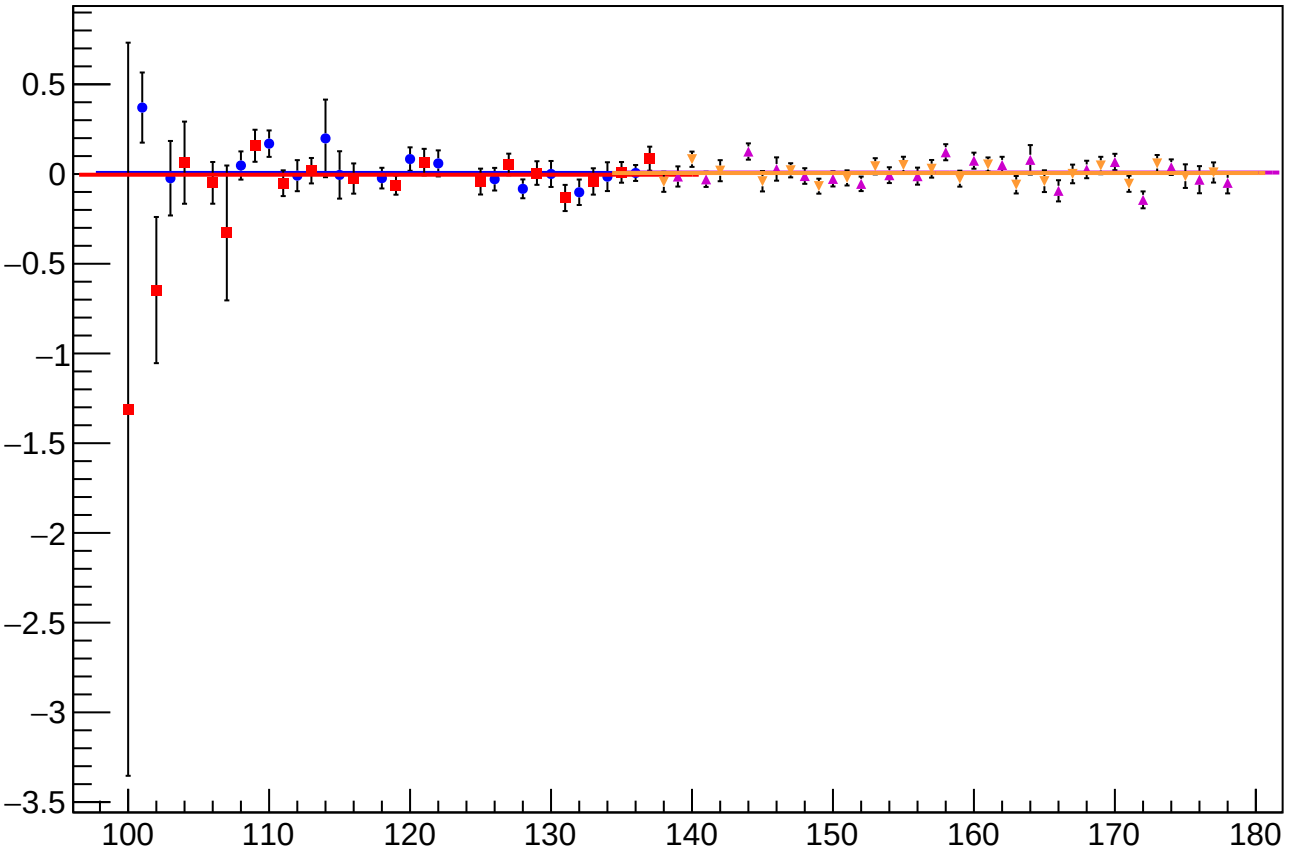
Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1595854.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 4961499.0/35

All: 0.000+/-0.000 χ^2/NDF: 10510403.2/73

- sign 0.000+/-0.000 χ^2/NDF: 5546153.7/37



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.006+/-0.011 χ^2/NDF:18.4/19

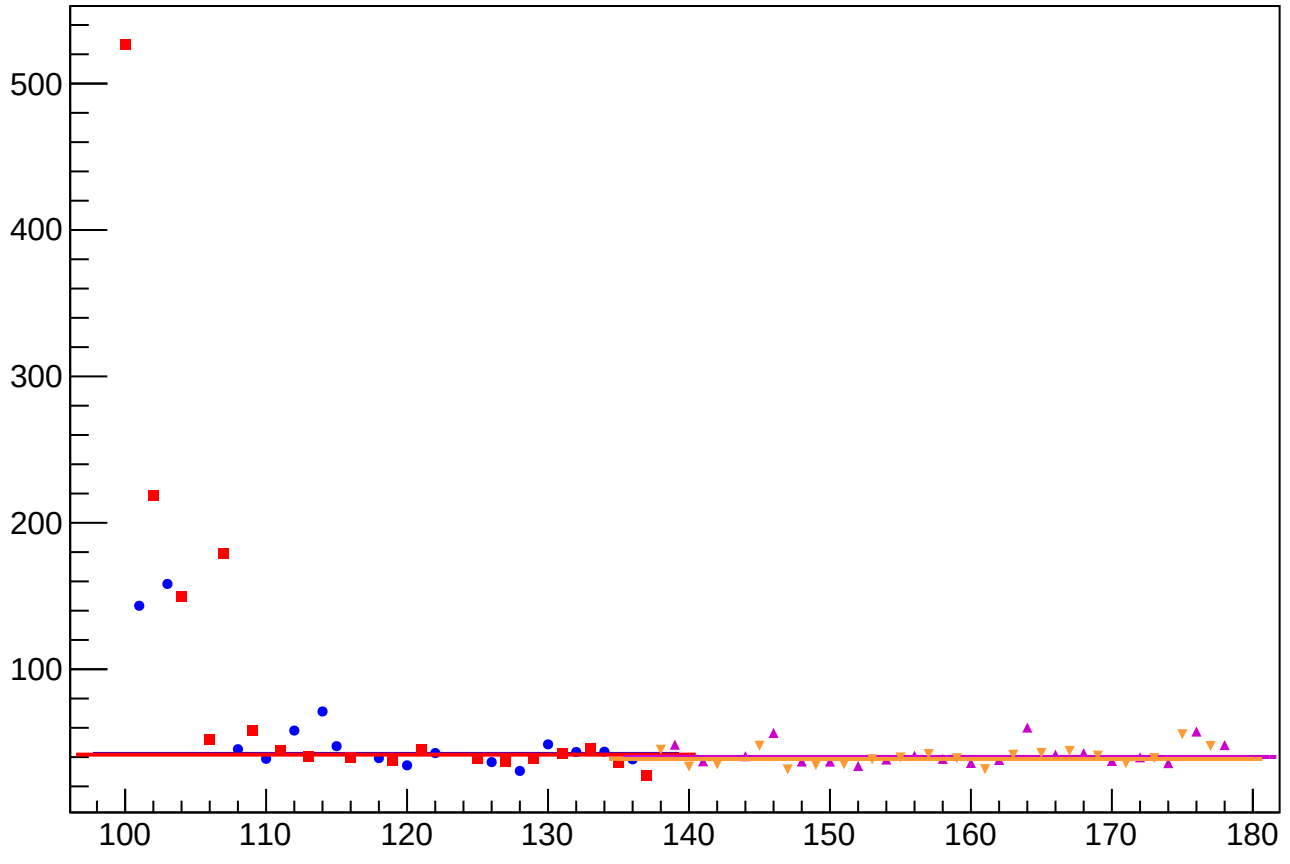
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.008+/-0.011 χ^2/NDF:38.4/19

+ sign 0.006+/-0.009 χ^2/NDF: 35.7/35

All: 0.005+/-0.007 χ^2/NDF: 90.7/73

- sign 0.005+/-0.009 χ^2/NDF: 55.0/37



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 38.722+/-0.008 χ^2/NDF:520864.2/19

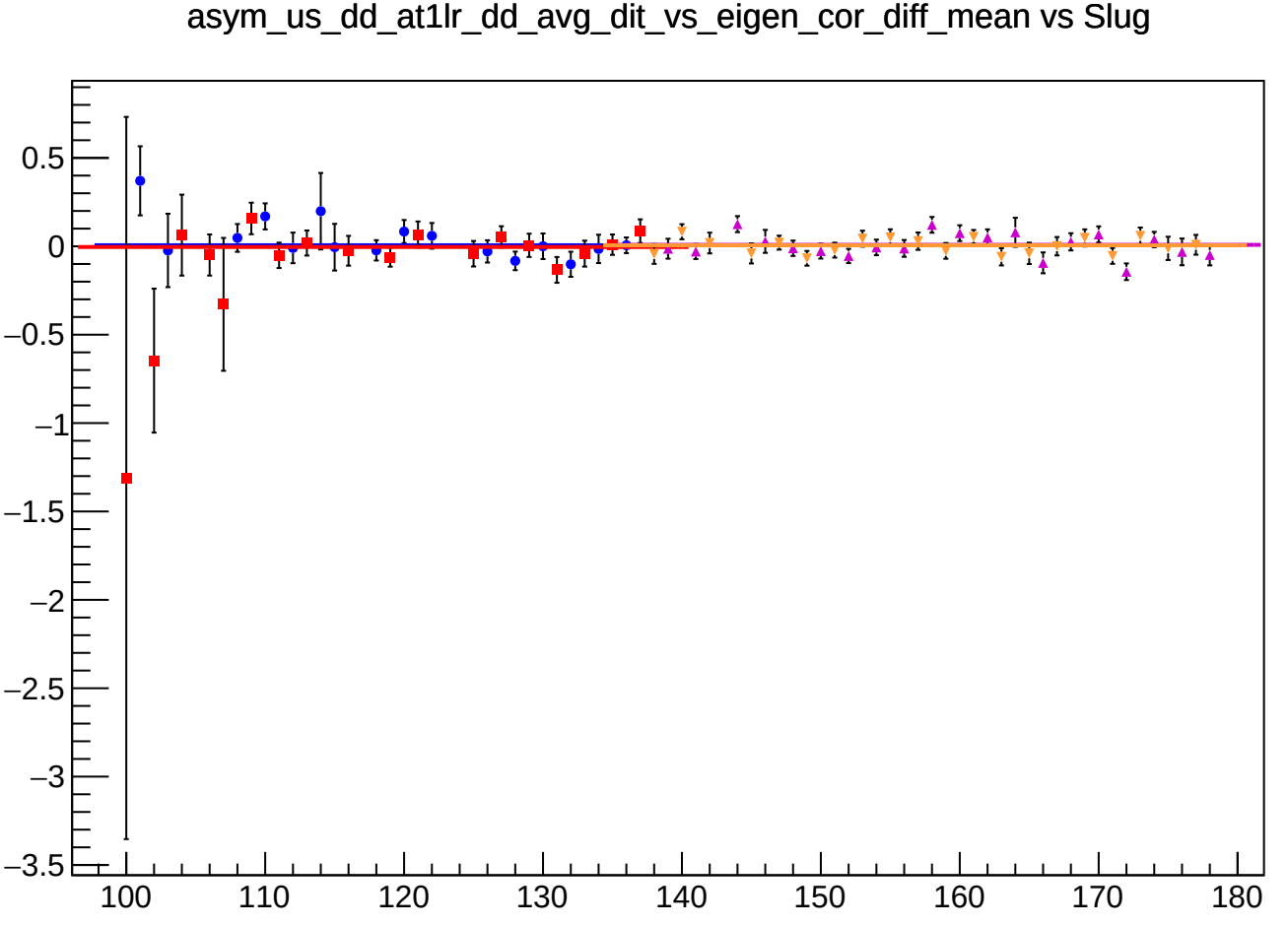
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 40.107+/-0.008 χ^2/NDF:572618.8/19

+ sign 39.600+/-0.007 χ^2/NDF: 2028225.4/35

All: 40.048+/-0.005 χ^2/NDF: 4062467.7/73

- sign 40.509+/-0.007 χ^2/NDF: 2024669.7/37



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.006+/-0.011 χ^2/NDF:18.4/19

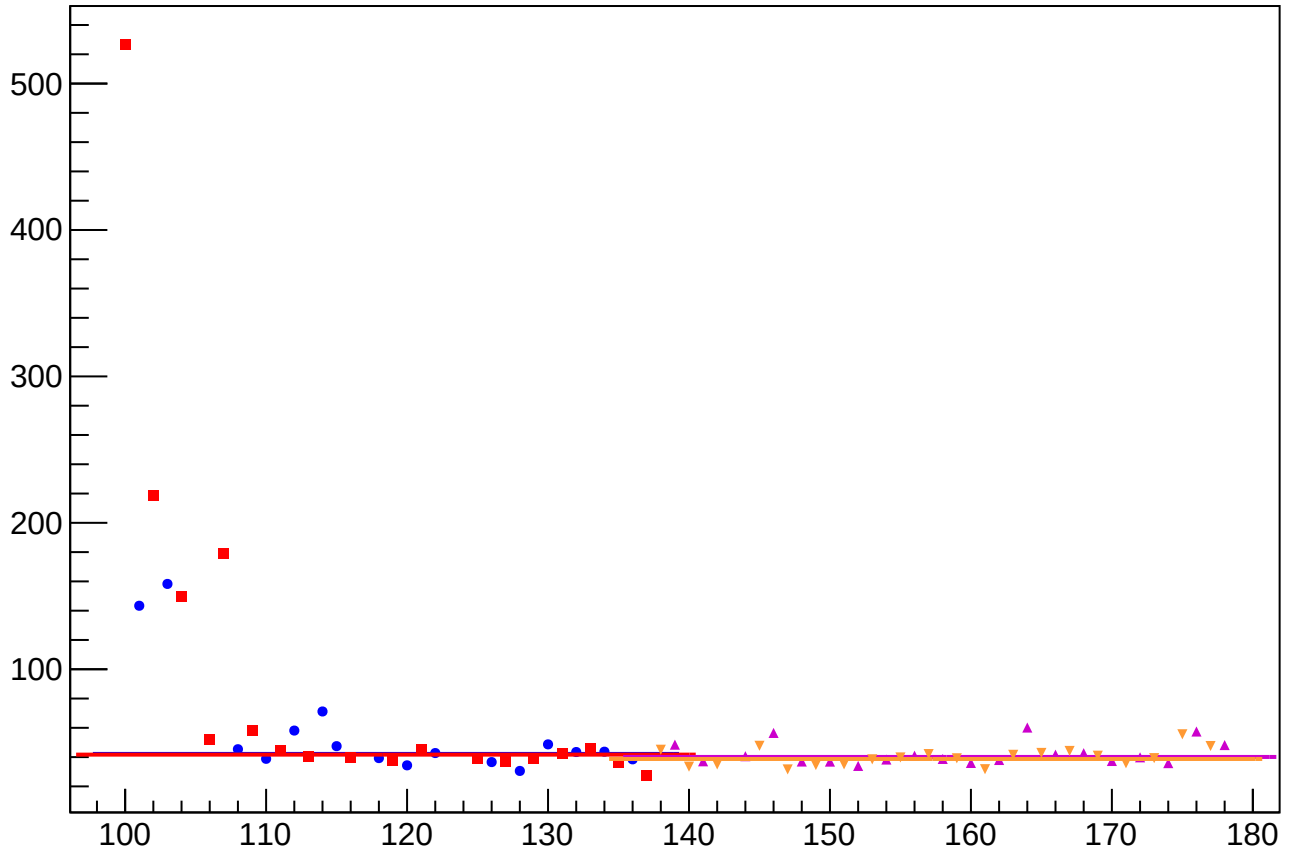
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.008+/-0.011 χ^2/NDF:38.4/19

+ sign 0.006+/-0.009 χ^2/NDF: 35.7/35

All: 0.005+/-0.007 χ^2/NDF: 90.7/73

- sign 0.005+/-0.009 χ^2/NDF: 55.0/37



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 38.722+/-0.008 χ^2/NDF:520864.2/19

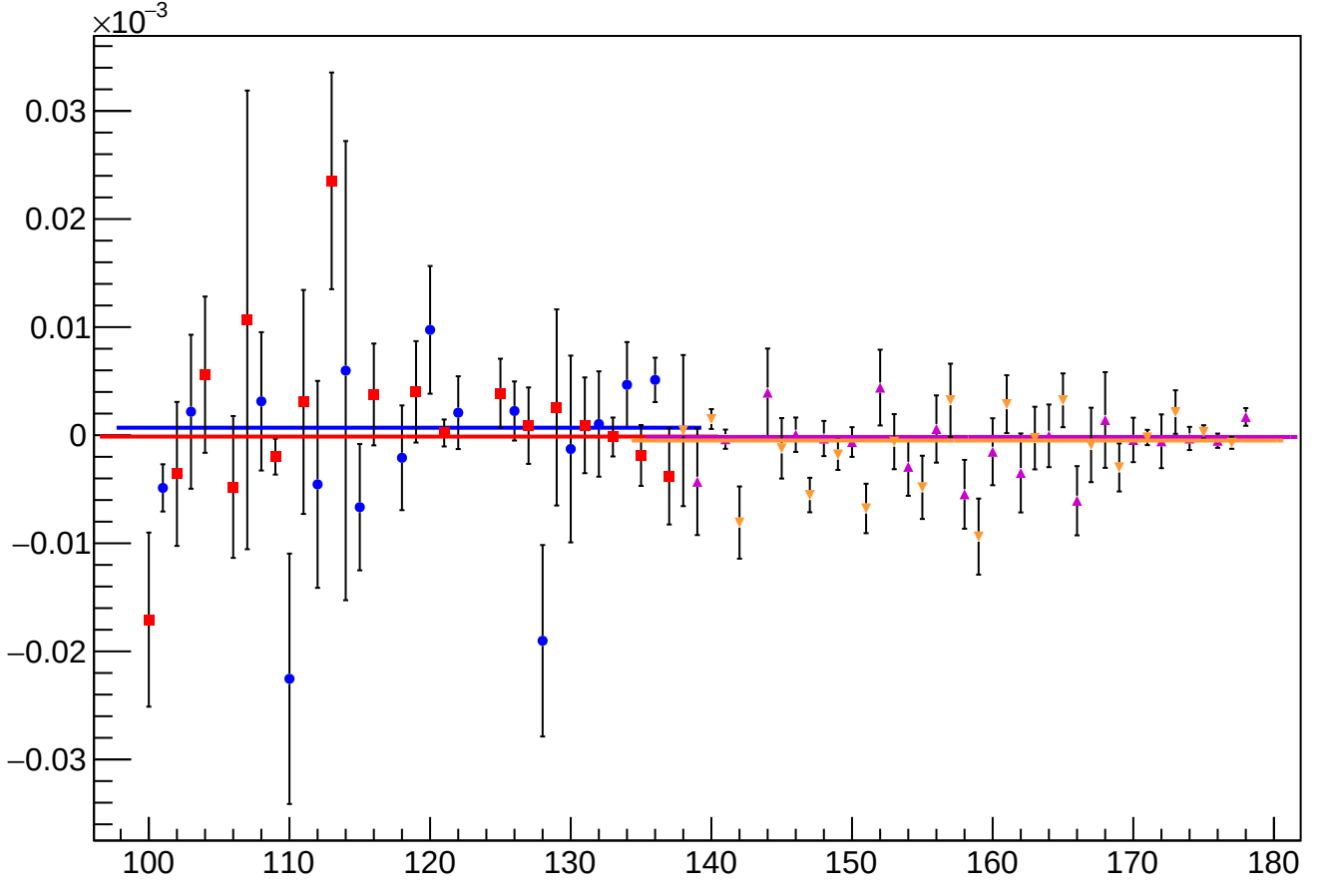
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 40.107+/-0.008 χ^2/NDF:572618.8/19

+ sign 39.600+/-0.007 χ^2/NDF: 2028225.4/35

All: 40.048+/-0.005 χ^2/NDF: 4062467.7/73

- sign 40.509+/-0.007 χ^2/NDF: 2024669.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:46.8/19

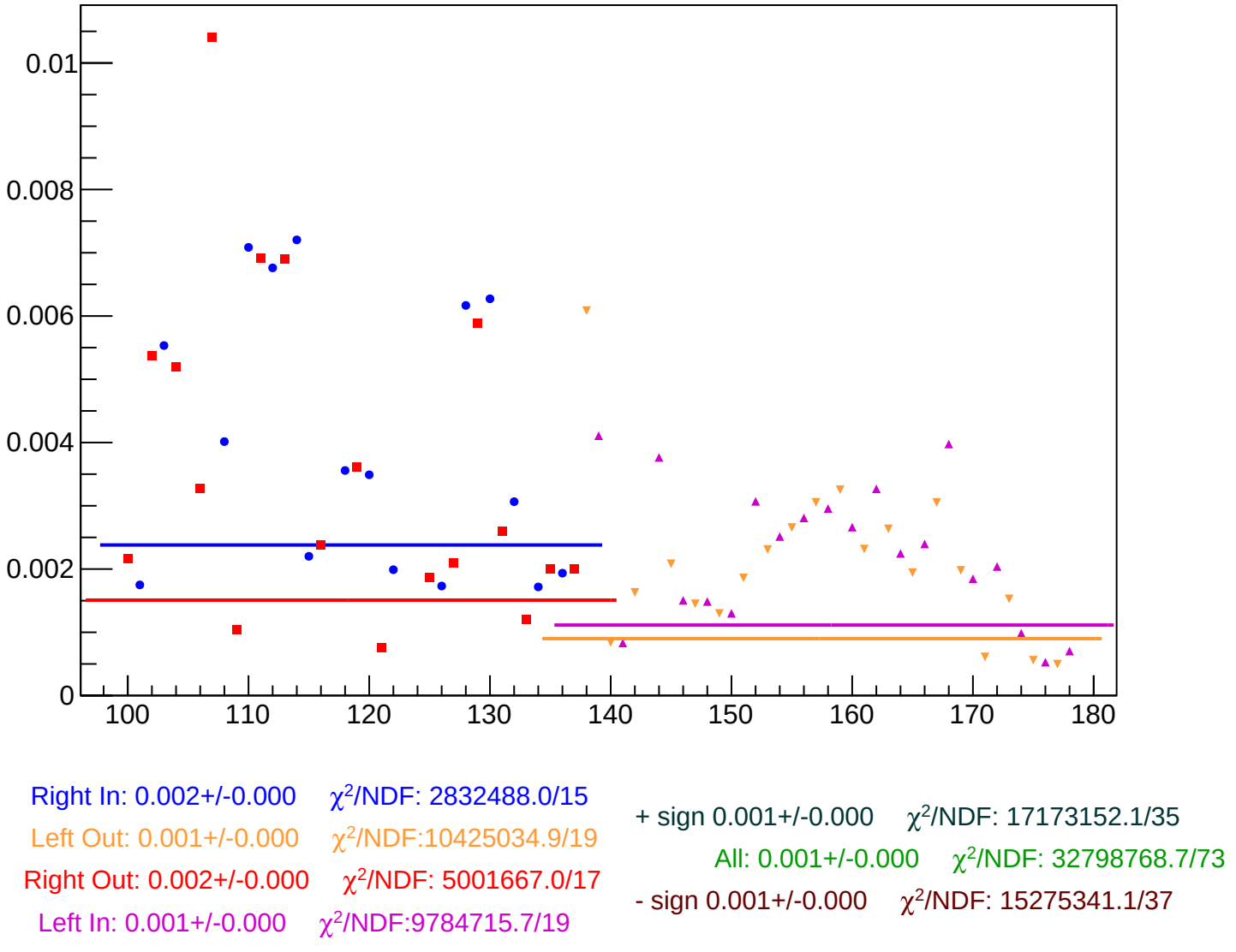
Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

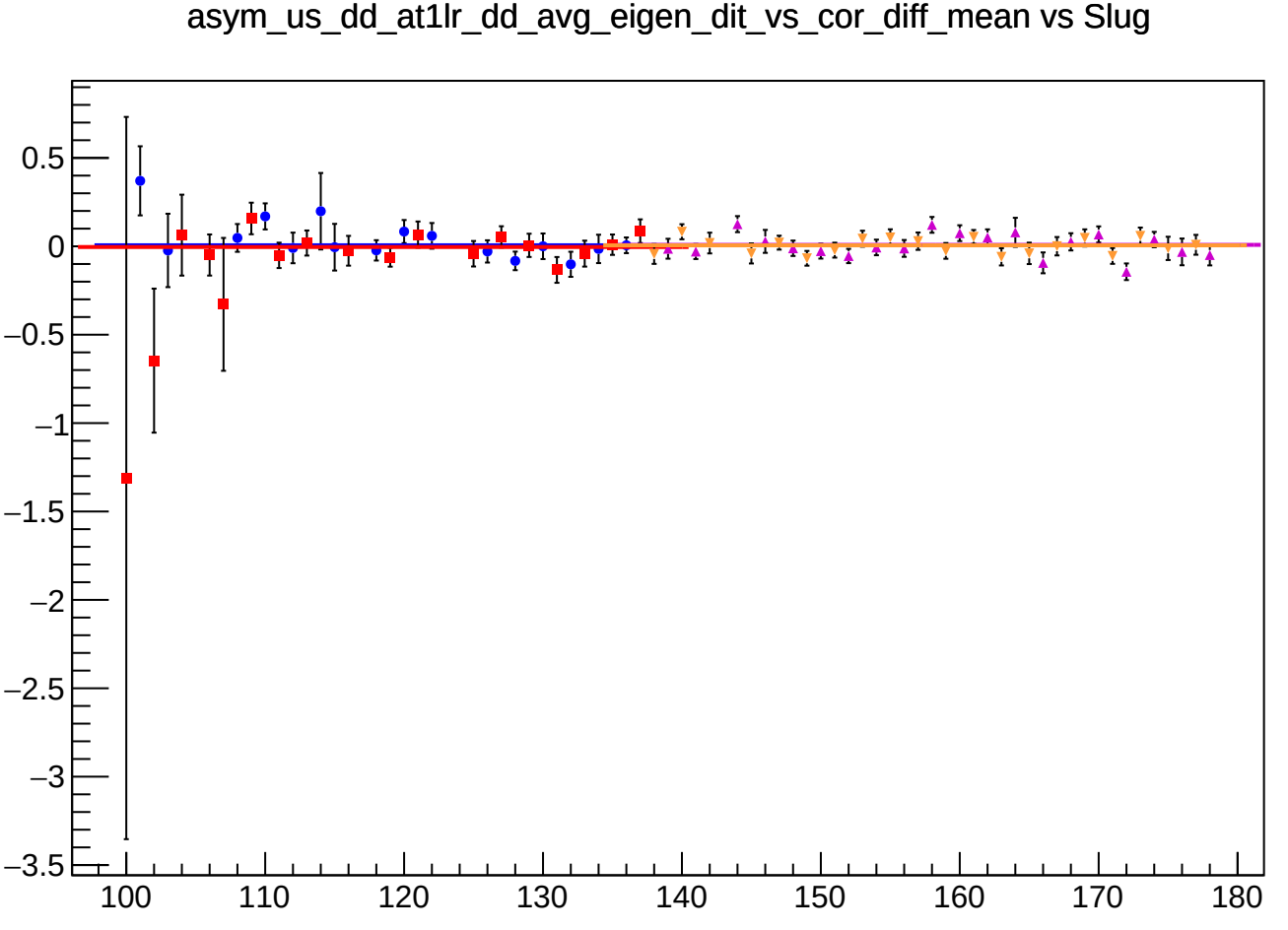
Left In: -0.000+/-0.000 χ^2/NDF:17.5/19

+ sign -0.000+/-0.000 χ^2/NDF: 74.6/35

All: -0.000+/-0.000 χ^2/NDF: 109.8/73

- sign -0.000+/-0.000 χ^2/NDF: 34.9/37


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
170
180
Right In: 0.002+/-0.000 χ²/NDF: 2832488.0/15
Left Out: 0.001+/-0.000 χ²/NDF:10425034.9/19
Right Out: 0.002+/-0.000 χ²/NDF: 5001667.0/17
Left In: 0.001+/-0.000 χ²/NDF:9784715.7/19
+ sign 0.001+/-0.000 χ²/NDF: 17173152.1/35
All: 0.001+/-0.000 χ²/NDF: 32798768.7/73
- sign 0.001+/-0.000 χ²/NDF: 15275341.1/37



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.006+/-0.011 χ^2/NDF:18.4/19

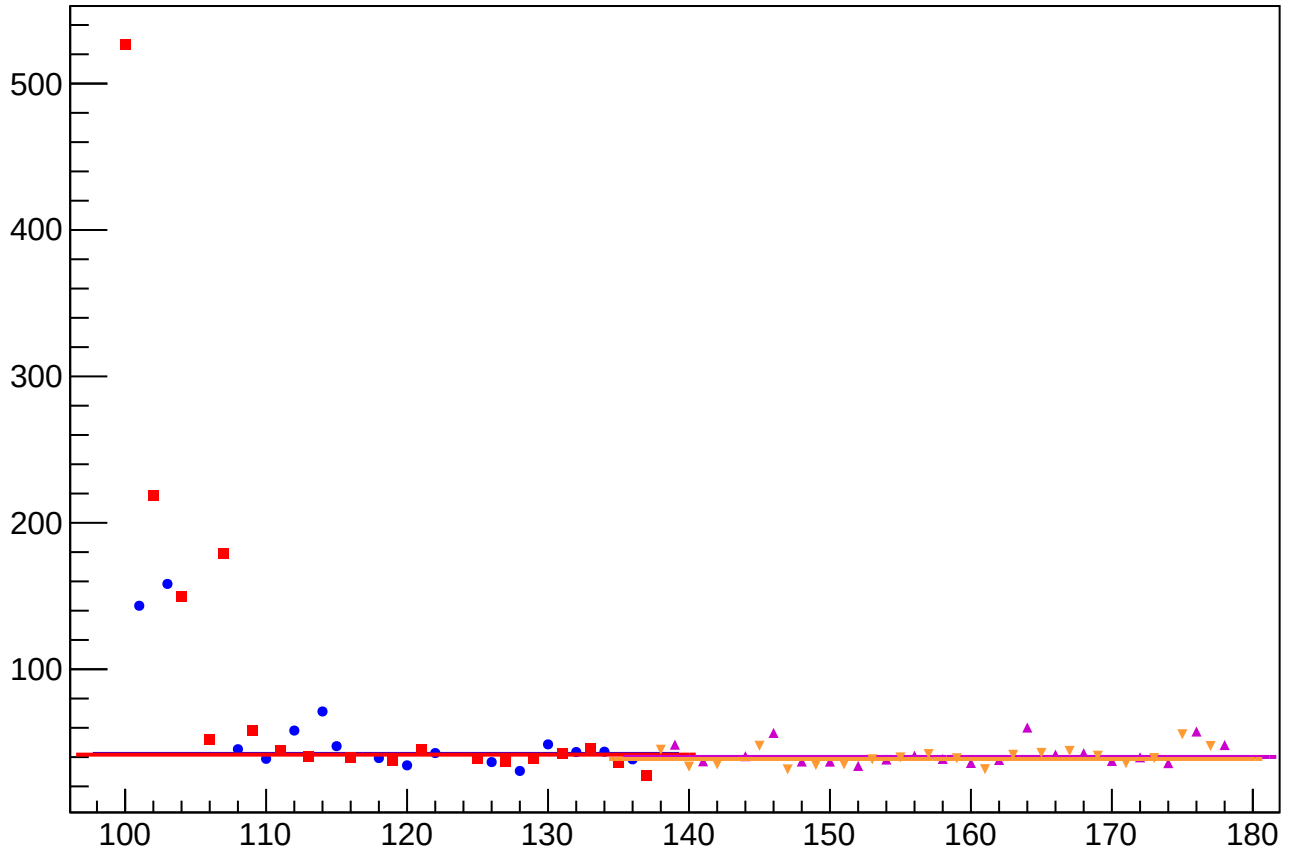
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.008+/-0.011 χ^2/NDF:38.4/19

+ sign 0.006+/-0.009 χ^2/NDF: 35.7/35

All: 0.005+/-0.007 χ^2/NDF: 90.7/73

- sign 0.005+/-0.009 χ^2/NDF: 55.0/37



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 38.722+/-0.008 χ^2/NDF:520845.5/19

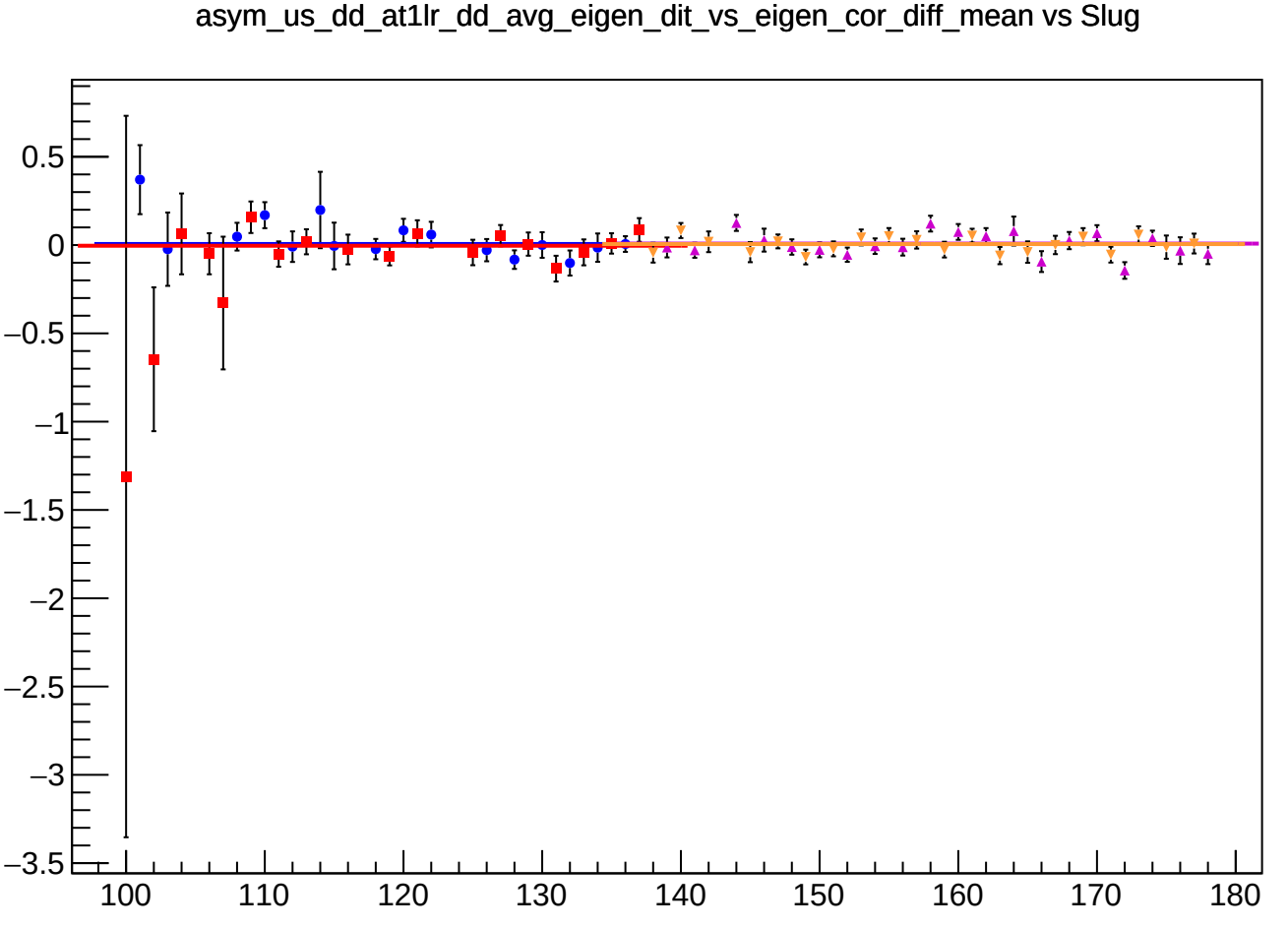
Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 40.107+/-0.008 χ^2/NDF:572654.3/19

+ sign 39.600+/-0.007 χ^2/NDF: 2028344.7/35

All: 40.048+/-0.005 χ^2/NDF: 4062622.0/73

- sign 40.509+/-0.007 χ^2/NDF: 2024692.0/37



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.006+/-0.011 χ^2/NDF:18.4/19

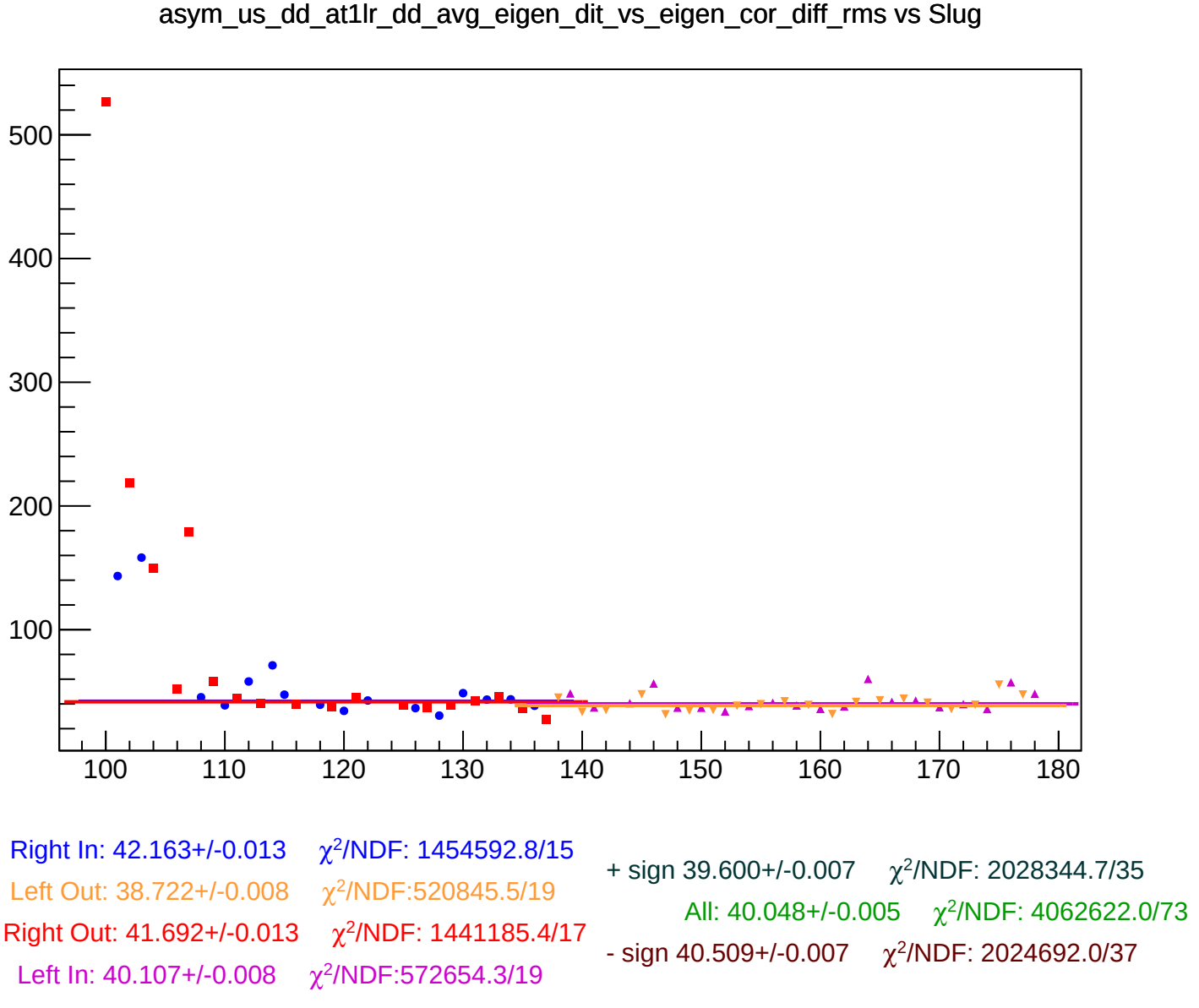
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

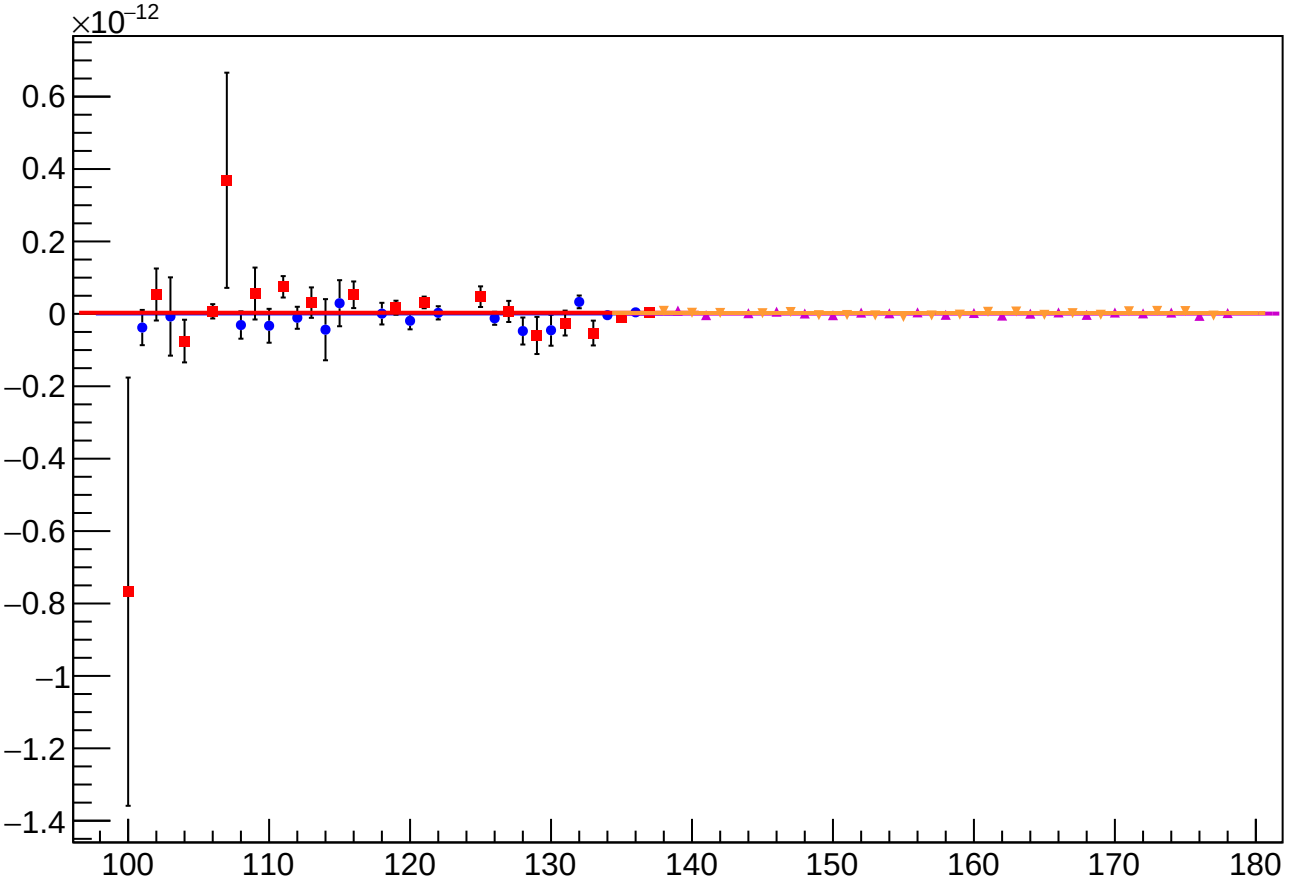
Left In: 0.008+/-0.011 χ^2/NDF:38.4/19

+ sign 0.006+/-0.009 χ^2/NDF: 35.7/35

All: 0.005+/-0.007 χ^2/NDF: 90.7/73

- sign 0.005+/-0.009 χ^2/NDF: 55.0/37


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
500
400
300
200
100
100
110
120
130
140
150
160
170
180
Right In: 42.163+/-0.013 χ²/NDF: 1454592.8/15
Left Out: 38.722+/-0.008 χ²/NDF:520845.5/19
Right Out: 41.692+/-0.013 χ²/NDF: 1441185.4/17
Left In: 40.107+/-0.008 χ²/NDF:572654.3/19
+ sign 39.600+/-0.007 χ²/NDF: 2028344.7/35
All: 40.048+/-0.005 χ²/NDF: 4062622.0/73
- sign 40.509+/-0.007 χ²/NDF: 2024692.0/37



Right In: 0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.4/19

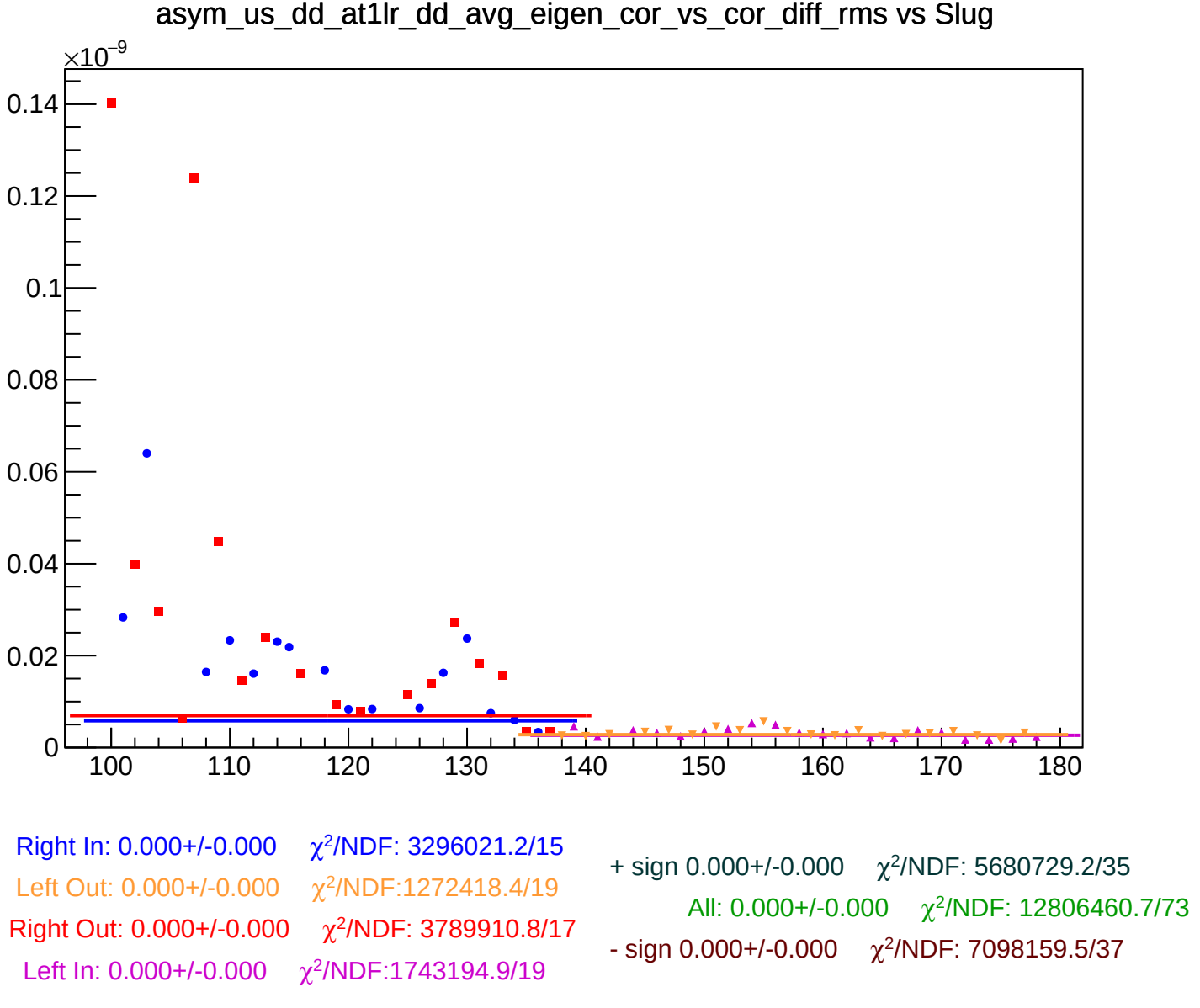
Right Out: 0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: 0.000+/-0.000 χ^2/NDF:14.4/19

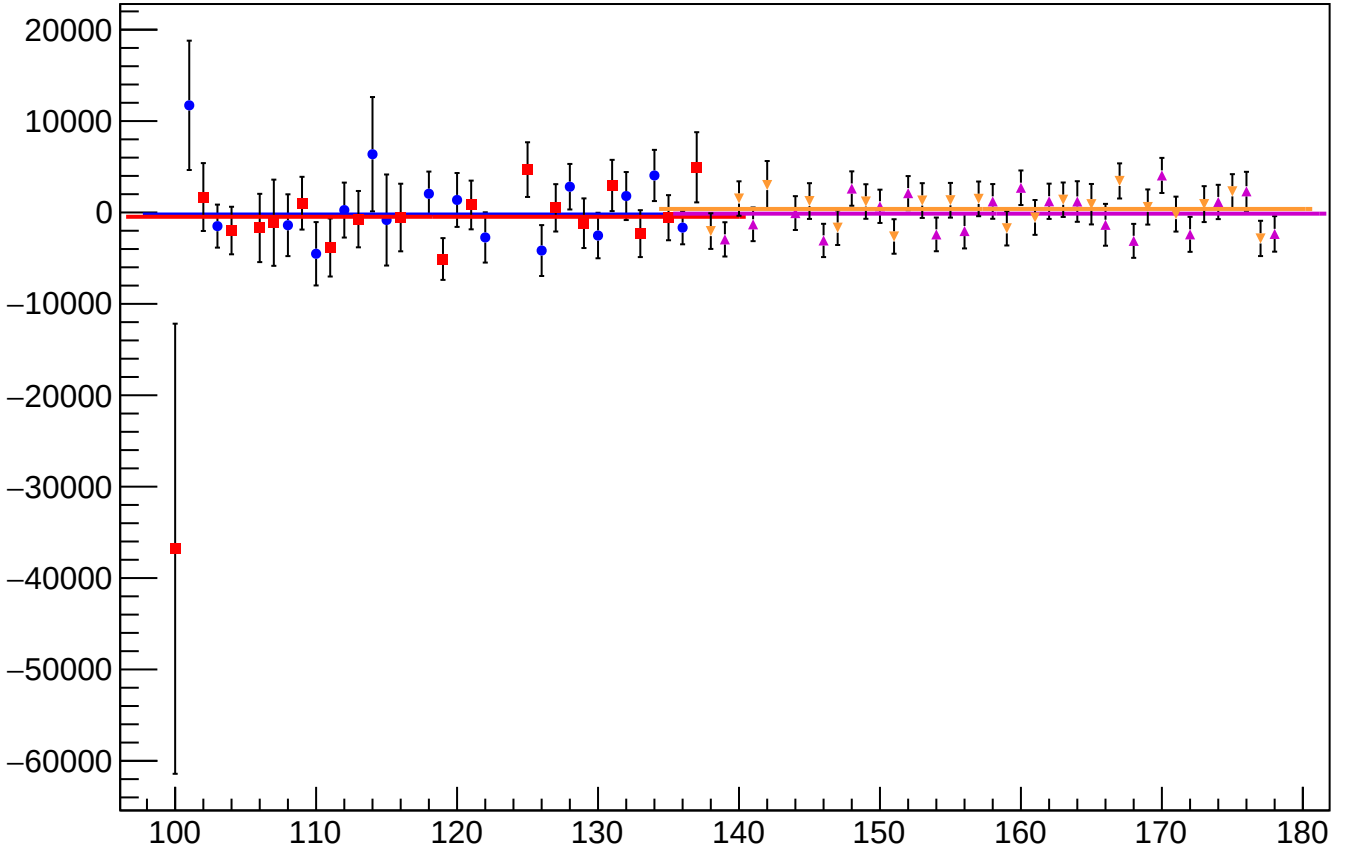
+ sign 0.000+/-0.000 χ^2/NDF: 35.0/35

All: 0.000+/-0.000 χ^2/NDF: 79.8/73

- sign 0.000+/-0.000 χ^2/NDF: 43.5/37


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3296021.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1272418.4/19
Right Out: 0.000+/-0.000 χ²/NDF: 3789910.8/17
Left In: 0.000+/-0.000 χ²/NDF:1743194.9/19
+ sign 0.000+/-0.000 χ²/NDF: 5680729.2/35
All: 0.000+/-0.000 χ²/NDF: 12806460.7/73
- sign 0.000+/-0.000 χ²/NDF: 7098159.5/37

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: 386.406+/-434.707 χ^2/NDF:16.2/19

Right Out: -472.410+/-711.475 χ^2/NDF: 15.9/17

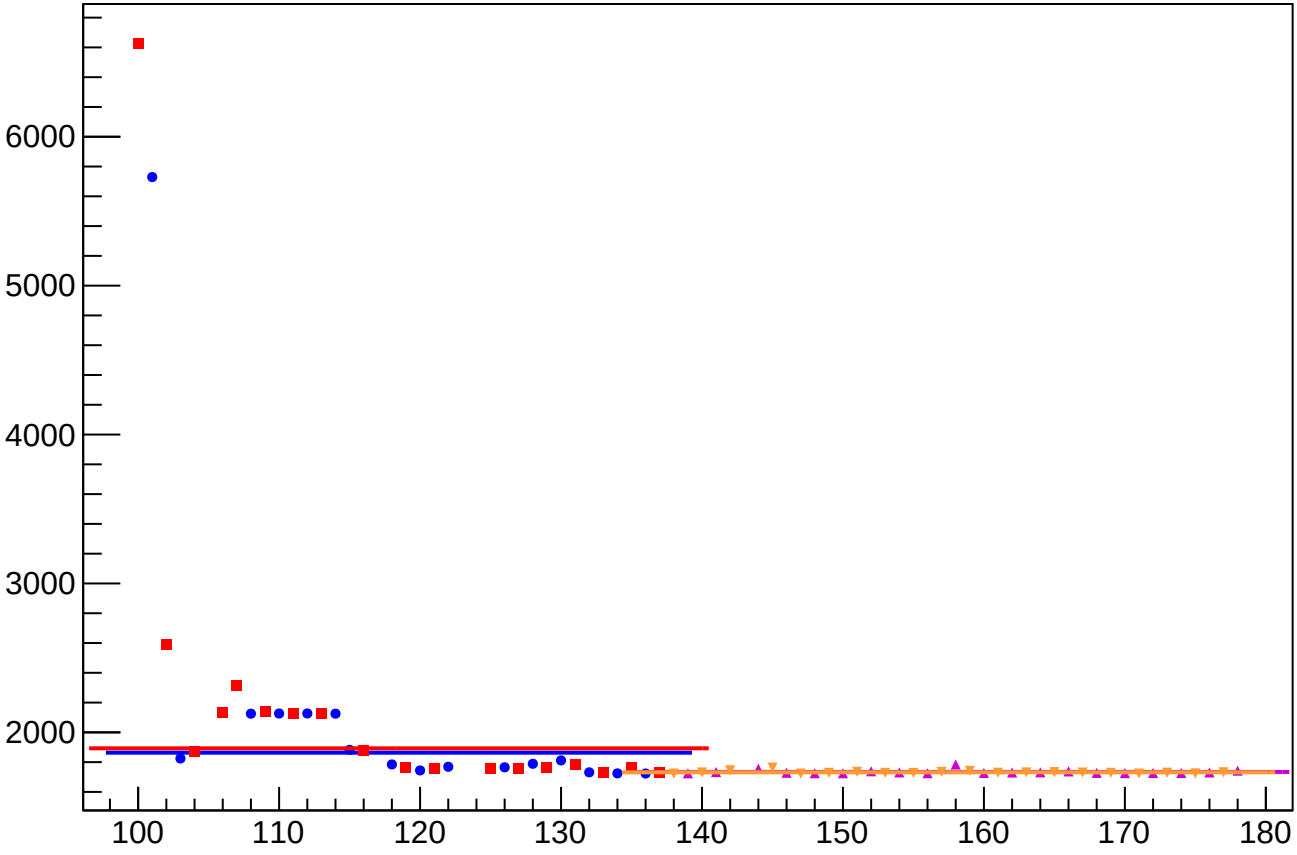
Left In: -130.977+/-428.938 χ^2/NDF:27.2/19

+ sign 219.963+/-370.617 χ^2/NDF: 32.6/35

All: -2.977+/-260.900 χ^2/NDF: 76.6/73

- sign -221.996+/-367.343 χ^2/NDF: 43.2/37

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1731.563+/-0.307 χ^2/NDF:811.8/19

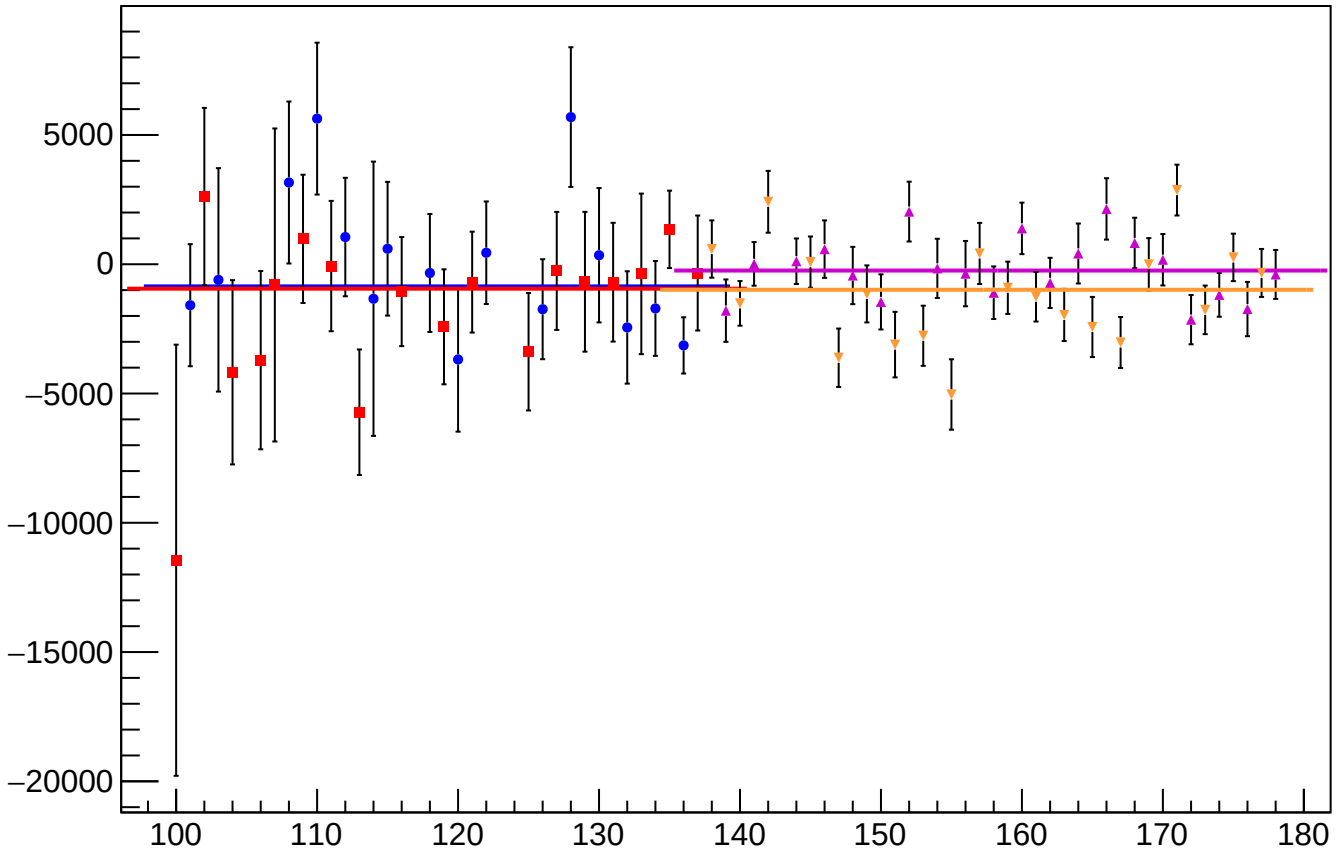
Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1734.176+/-0.303 χ^2/NDF:2085.0/19

+ sign 1767.621+/-0.262 χ^2/NDF: 725859.5/35

All: 1772.090+/-0.184 χ^2/NDF: 1053006.5/73

- sign 1776.480+/-0.260 χ^2/NDF: 326570.7/37



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

Left Out: -987.479+/-233.139 χ^2/NDF:58.7/19

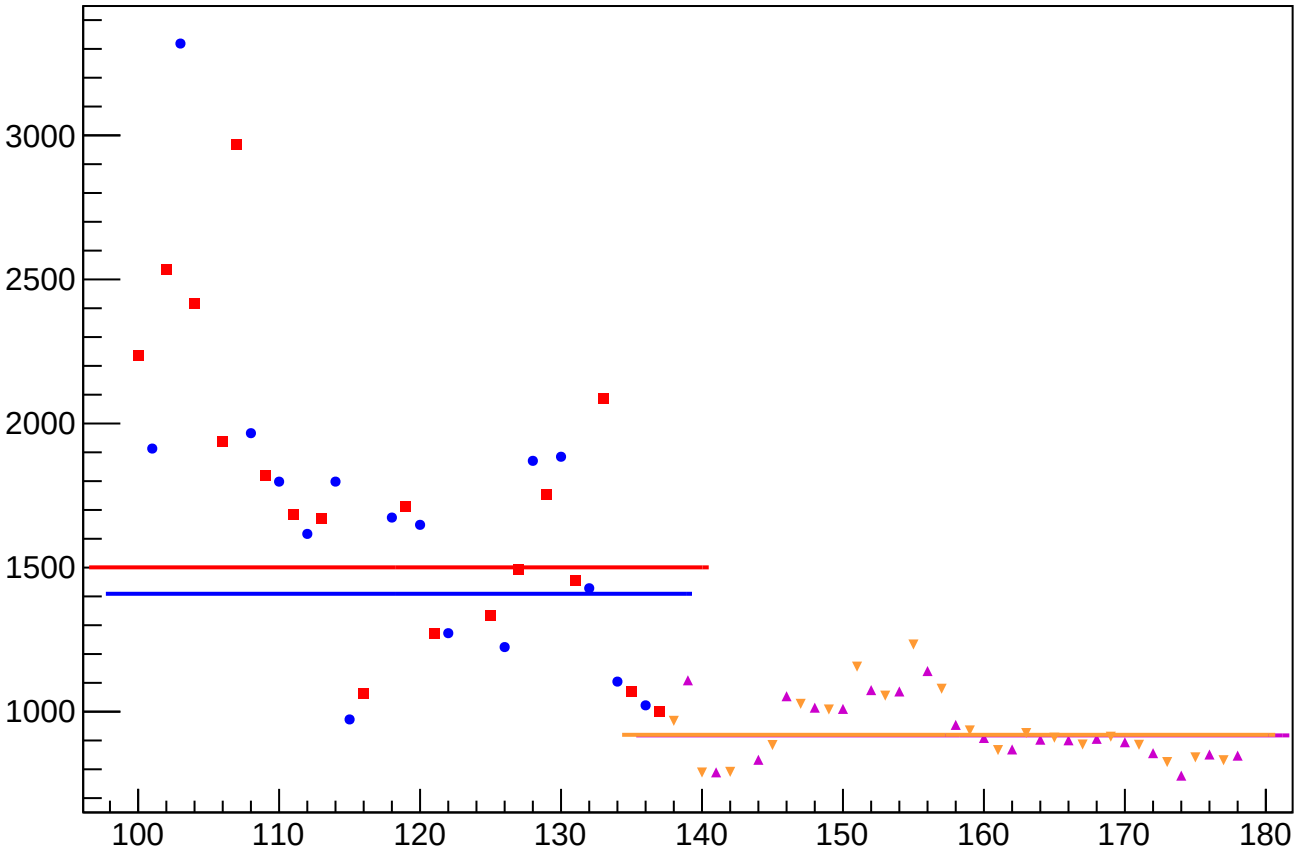
Right Out: -944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: -243.478+/-228.866 χ^2/NDF:24.3/19

+ sign -967.637+/-214.638 χ^2/NDF: 79.3/35

All: -649.952+/-151.220 χ^2/NDF: 122.1/73

- sign -336.846+/-213.086 χ^2/NDF: 38.5/37



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 919.705+/-0.165 χ^2/NDF:410241.9/19

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

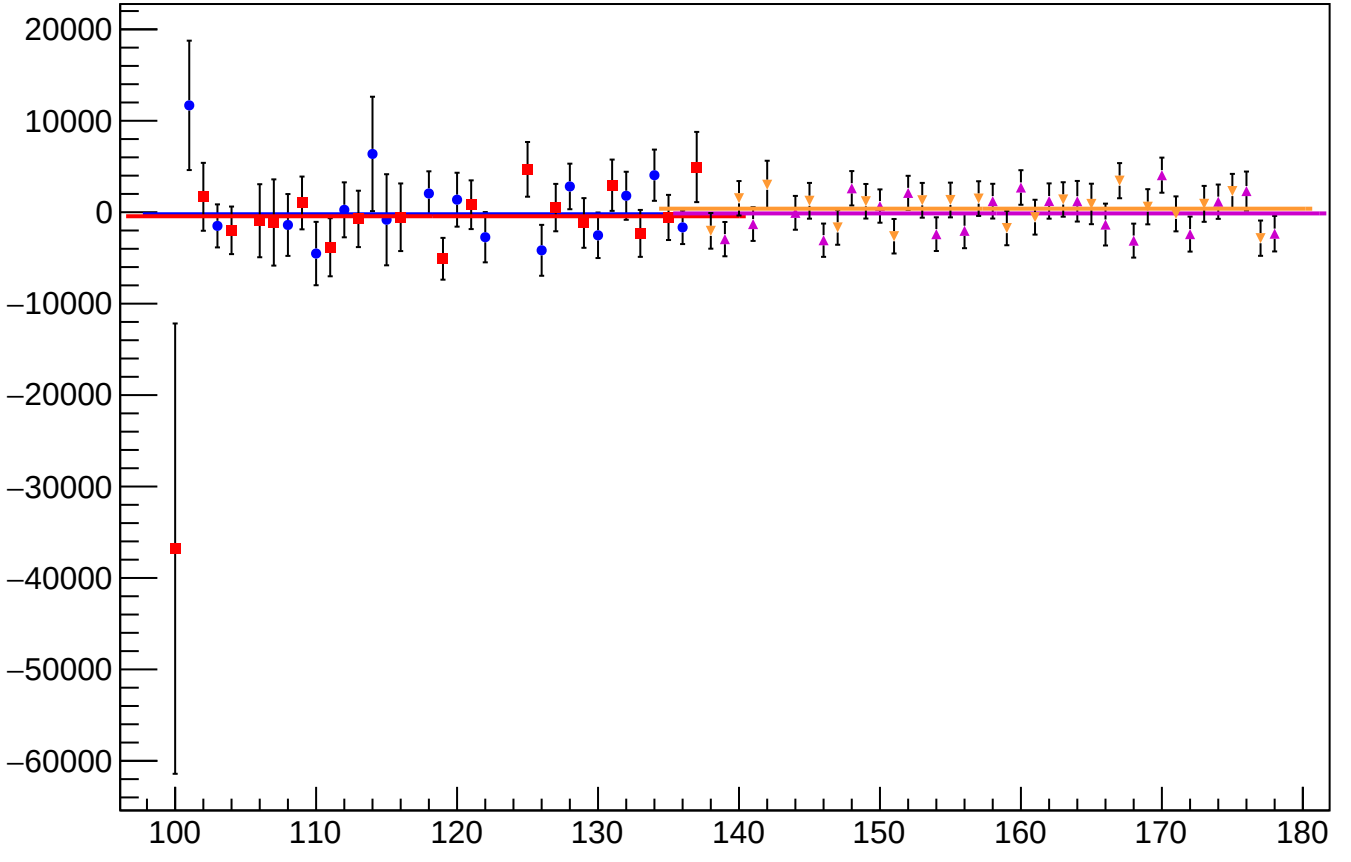
Left In: 917.644+/-0.162 χ^2/NDF:401474.8/19

+ sign 994.294+/-0.152 χ^2/NDF: 2921119.6/35

All: 994.795+/-0.107 χ^2/NDF: 6082282.9/73

- sign 995.289+/-0.151 χ^2/NDF: 3161141.6/37

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 386.476+/-434.707 χ^2/NDF:16.2/19

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

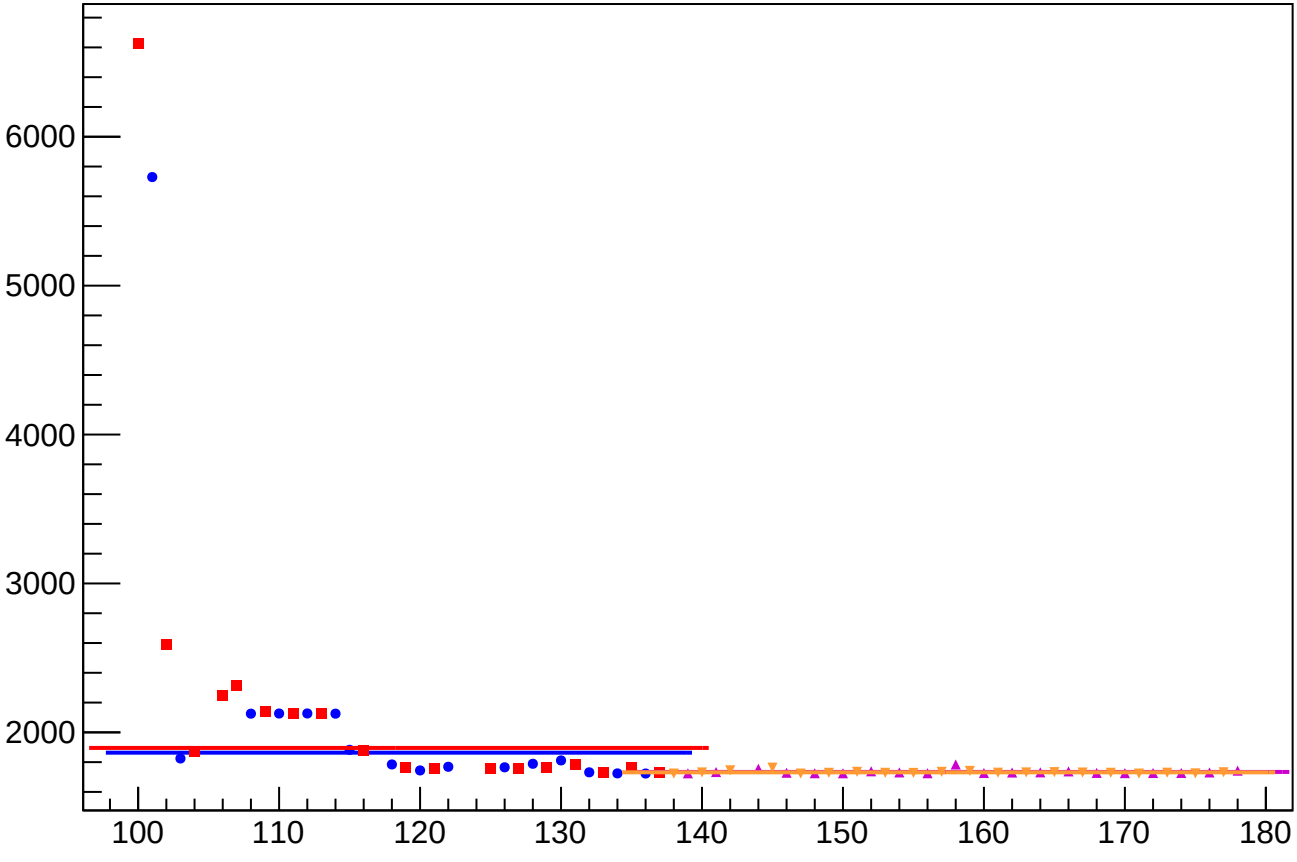
Left In: -131.023+/-428.938 χ^2/NDF:27.2/19

+ sign 219.803+/-370.617 χ^2/NDF: 32.6/35

All: 1.150+/-260.980 χ^2/NDF: 76.4/73

- sign -213.917+/-367.566 χ^2/NDF: 43.1/37

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1731.563+/-0.307 χ^2/NDF:811.8/19

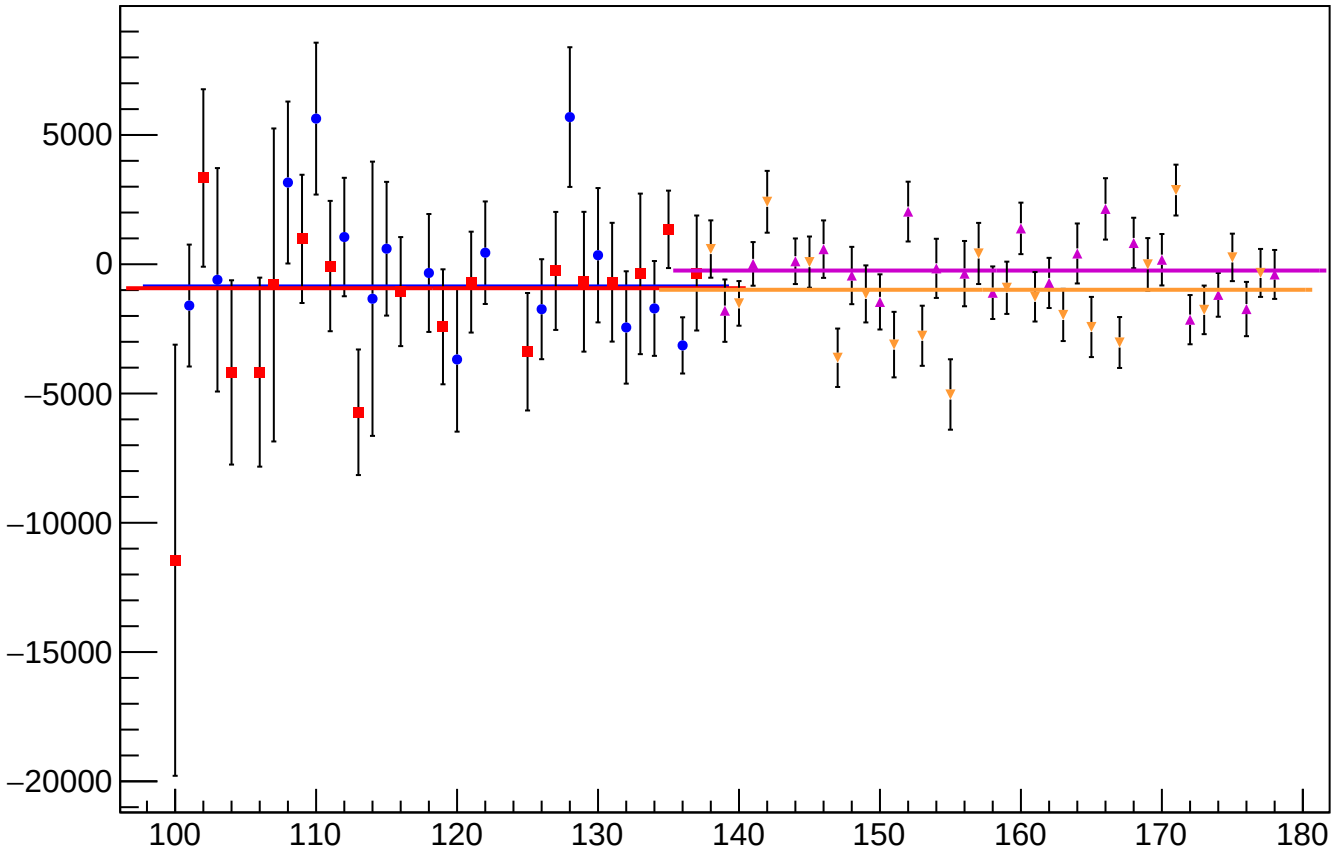
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1734.176+/-0.303 χ^2/NDF:2085.0/19

+ sign 1767.621+/-0.262 χ^2/NDF: 725859.3/35

All: 1772.367+/-0.185 χ^2/NDF: 1062922.5/73

- sign 1777.036+/-0.260 χ^2/NDF: 336412.4/37



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -987.480+/-233.139 χ^2/NDF:58.7/19

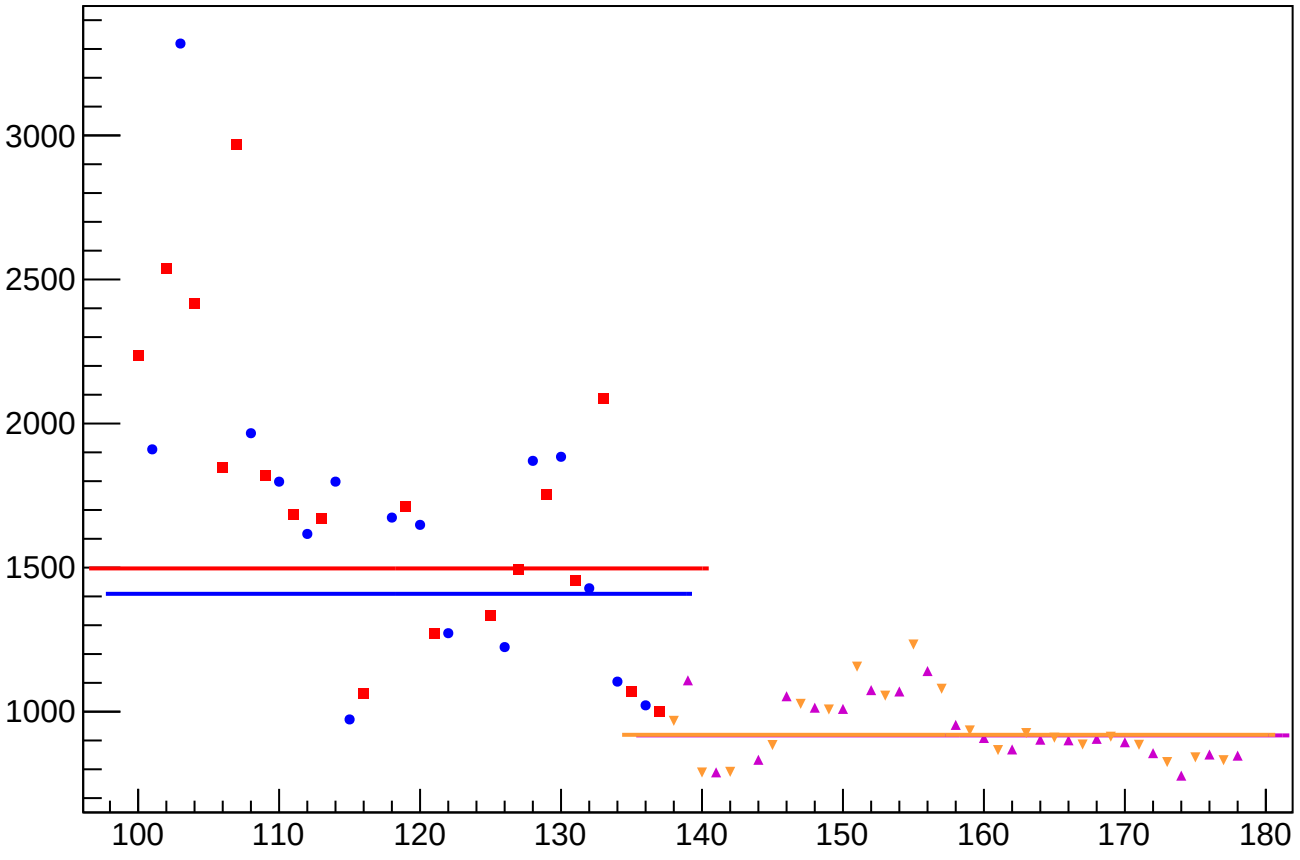
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -243.491+/-228.865 χ^2/NDF:24.3/19

+ sign -967.760+/-214.636 χ^2/NDF: 79.3/35

All: -648.787+/-151.235 χ^2/NDF: 122.7/73

- sign -334.275+/-213.129 χ^2/NDF: 39.0/37



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 919.707+/-0.165 χ^2/NDF:410204.4/19

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

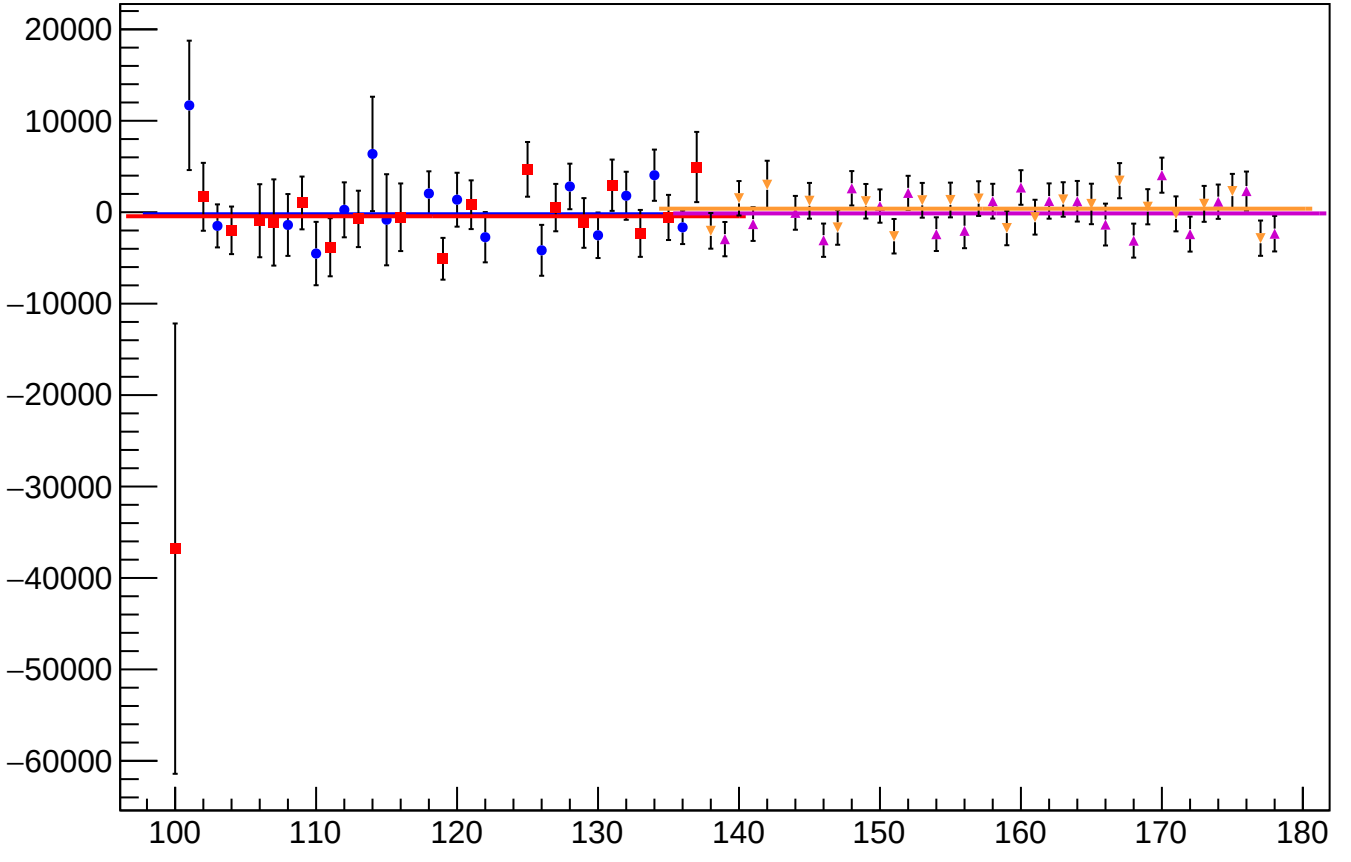
Left In: 917.638+/-0.162 χ^2/NDF:401498.3/19

+ sign 994.293+/-0.152 χ^2/NDF: 2920183.2/35

All: 994.441+/-0.107 χ^2/NDF: 6042505.1/73

- sign 994.587+/-0.151 χ^2/NDF: 3122320.1/37

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 386.476+/-434.707 χ^2/NDF:16.2/19

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

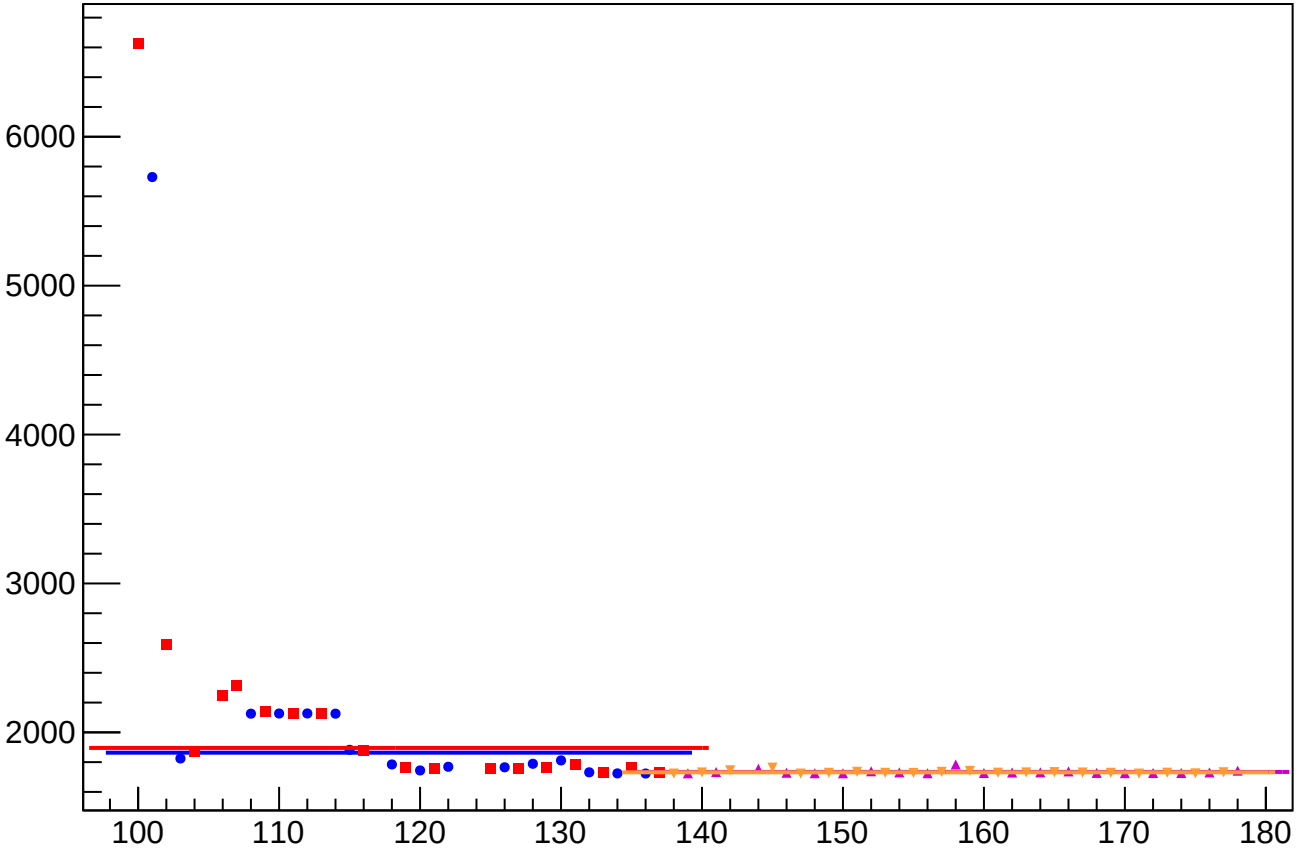
Left In: -131.023+/-428.938 χ^2/NDF:27.2/19

+ sign 219.803+/-370.617 χ^2/NDF: 32.6/35

All: 1.150+/-260.980 χ^2/NDF: 76.4/73

- sign -213.917+/-367.566 χ^2/NDF: 43.1/37

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: 1731.563+/-0.307 χ^2/NDF:811.8/19

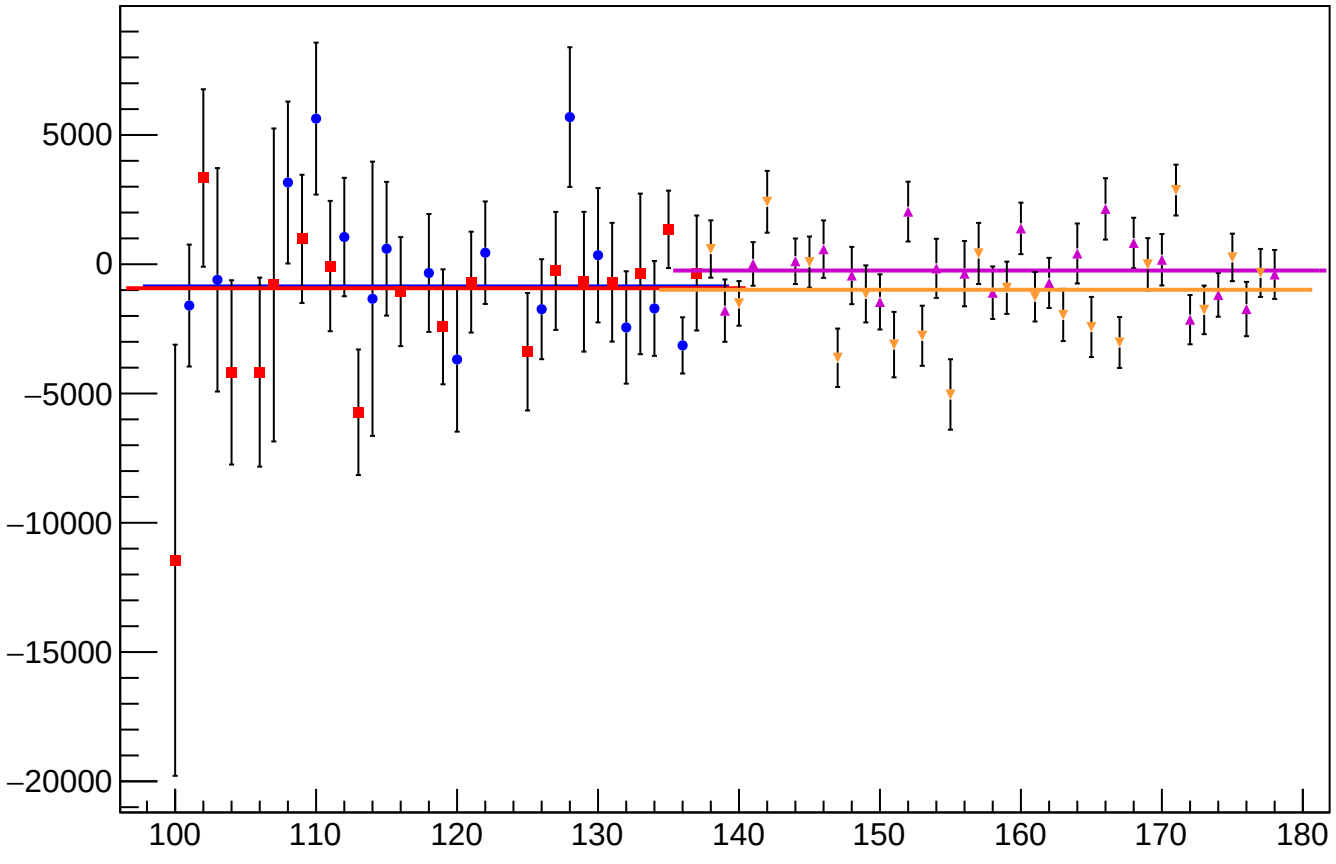
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1734.176+/-0.303 χ^2/NDF:2085.0/19

+ sign 1767.621+/-0.262 χ^2/NDF: 725859.3/35

All: 1772.367+/-0.185 χ^2/NDF: 1062922.5/73

- sign 1777.036+/-0.260 χ^2/NDF: 336412.4/37



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -987.480+/-233.139 χ^2/NDF:58.7/19

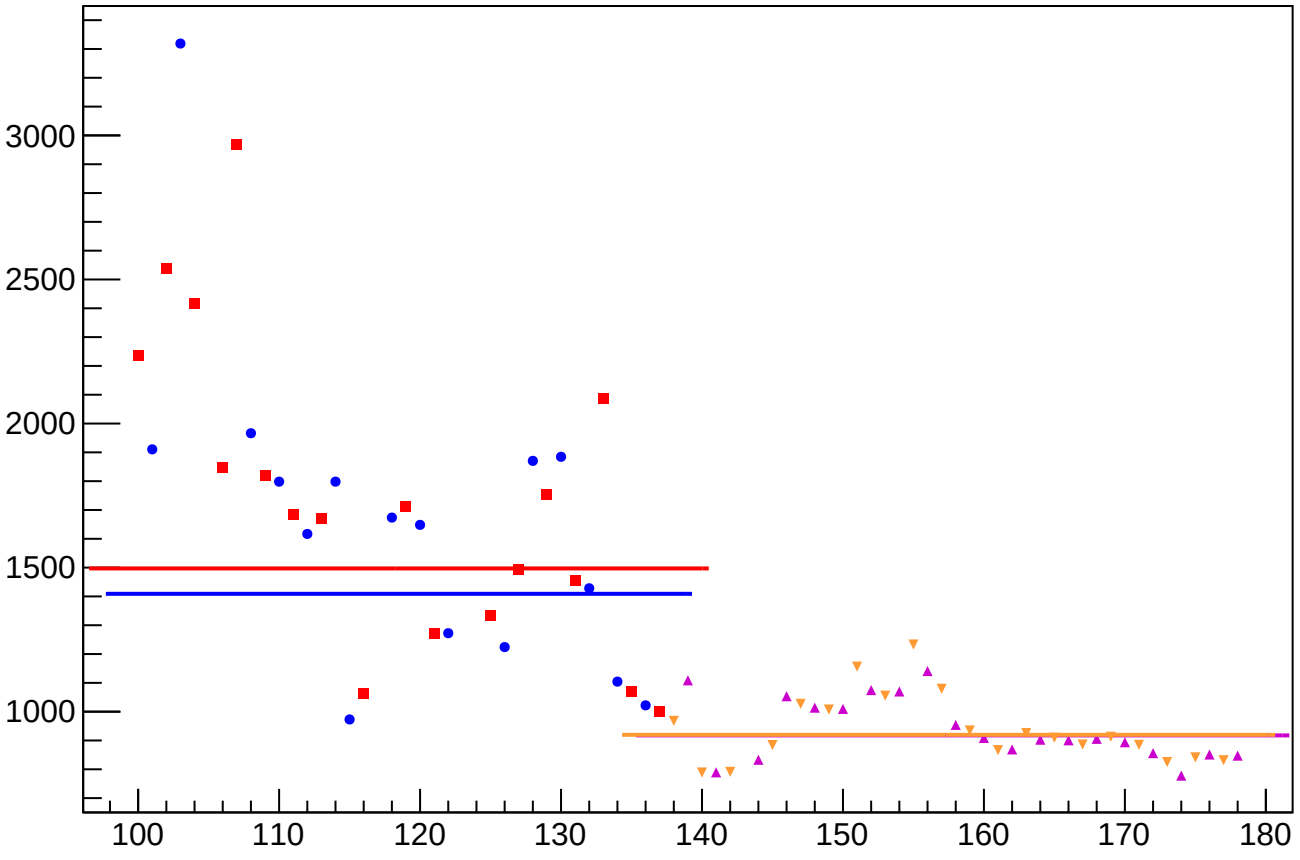
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -243.491+/-228.865 χ^2/NDF:24.3/19

+ sign -967.760+/-214.636 χ^2/NDF: 79.3/35

All: -648.787+/-151.235 χ^2/NDF: 122.7/73

- sign -334.275+/-213.129 χ^2/NDF: 39.0/37



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 919.707+/-0.165 χ^2/NDF:410204.4/19

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

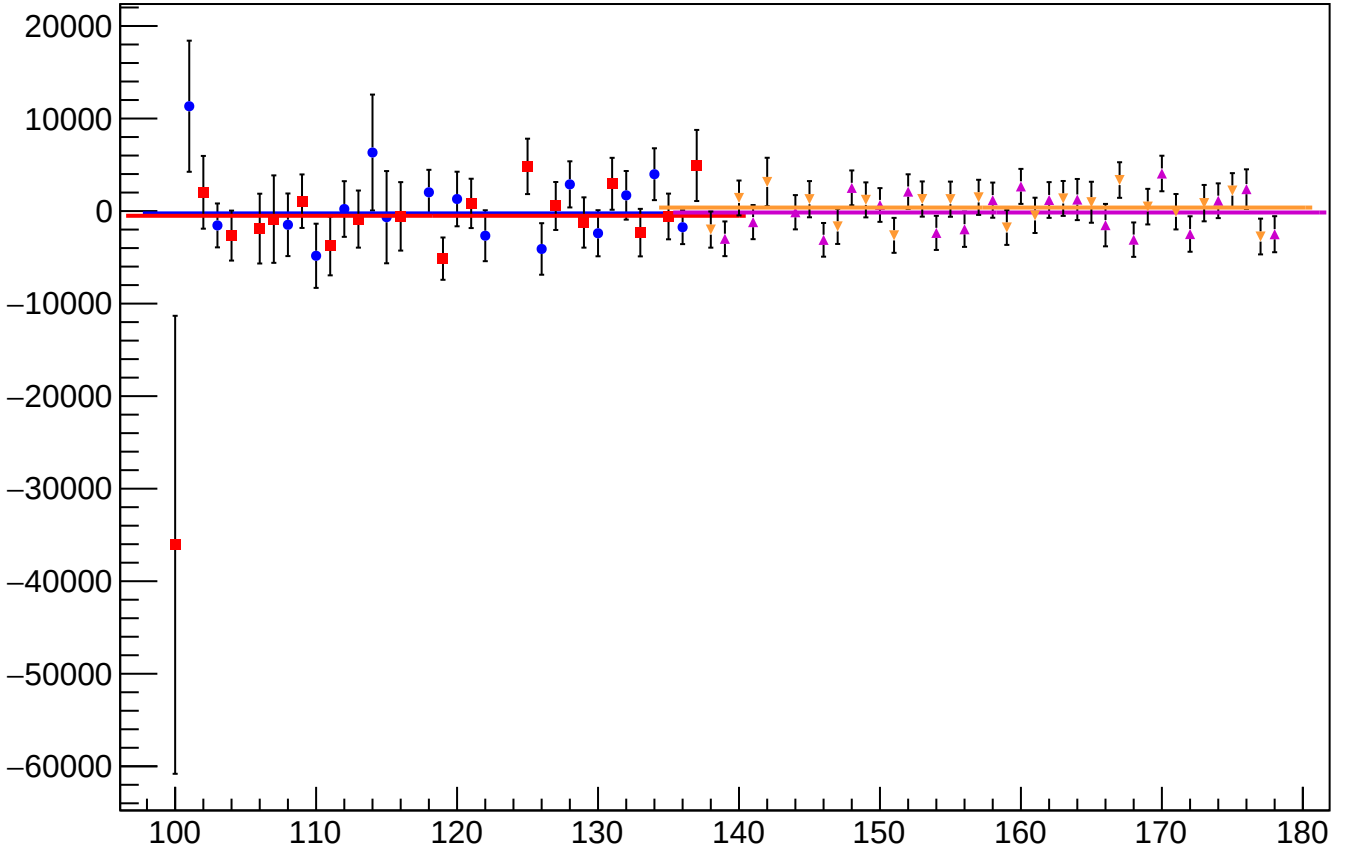
Left In: 917.638+/-0.162 χ^2/NDF:401498.3/19

+ sign 994.293+/-0.152 χ^2/NDF: 2920183.2/35

All: 994.441+/-0.107 χ^2/NDF: 6042505.1/73

- sign 994.587+/-0.151 χ^2/NDF: 3122320.1/37

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: 379.591+/-434.964 χ^2/NDF:15.7/19

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

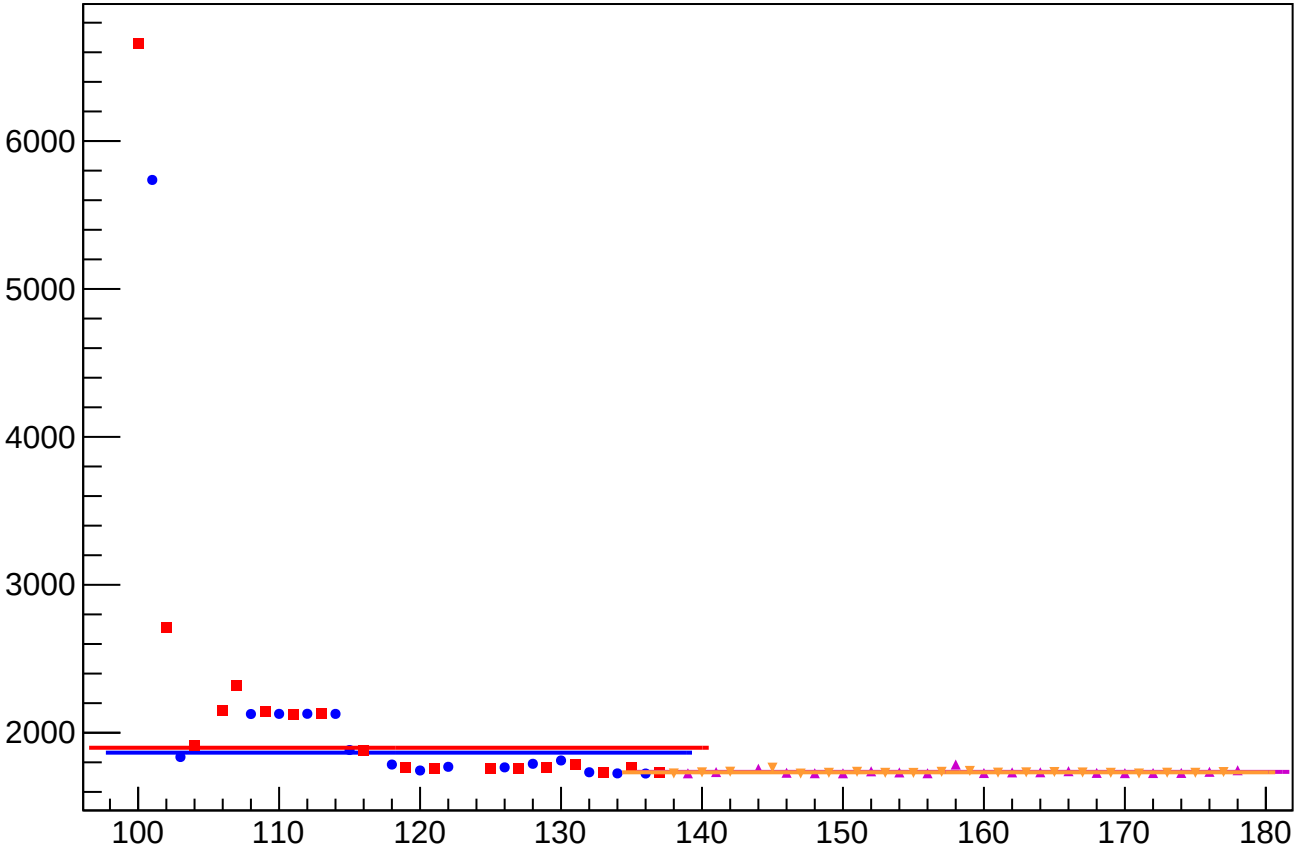
Left In: -154.711+/-429.255 χ^2/NDF:27.3/19

+ sign 207.219+/-370.893 χ^2/NDF: 32.0/35

All: -22.516+/-261.263 χ^2/NDF: 76.6/73

- sign -248.786+/-368.085 χ^2/NDF: 43.9/37

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1732.554+/-0.308 χ^2/NDF:732.4/19

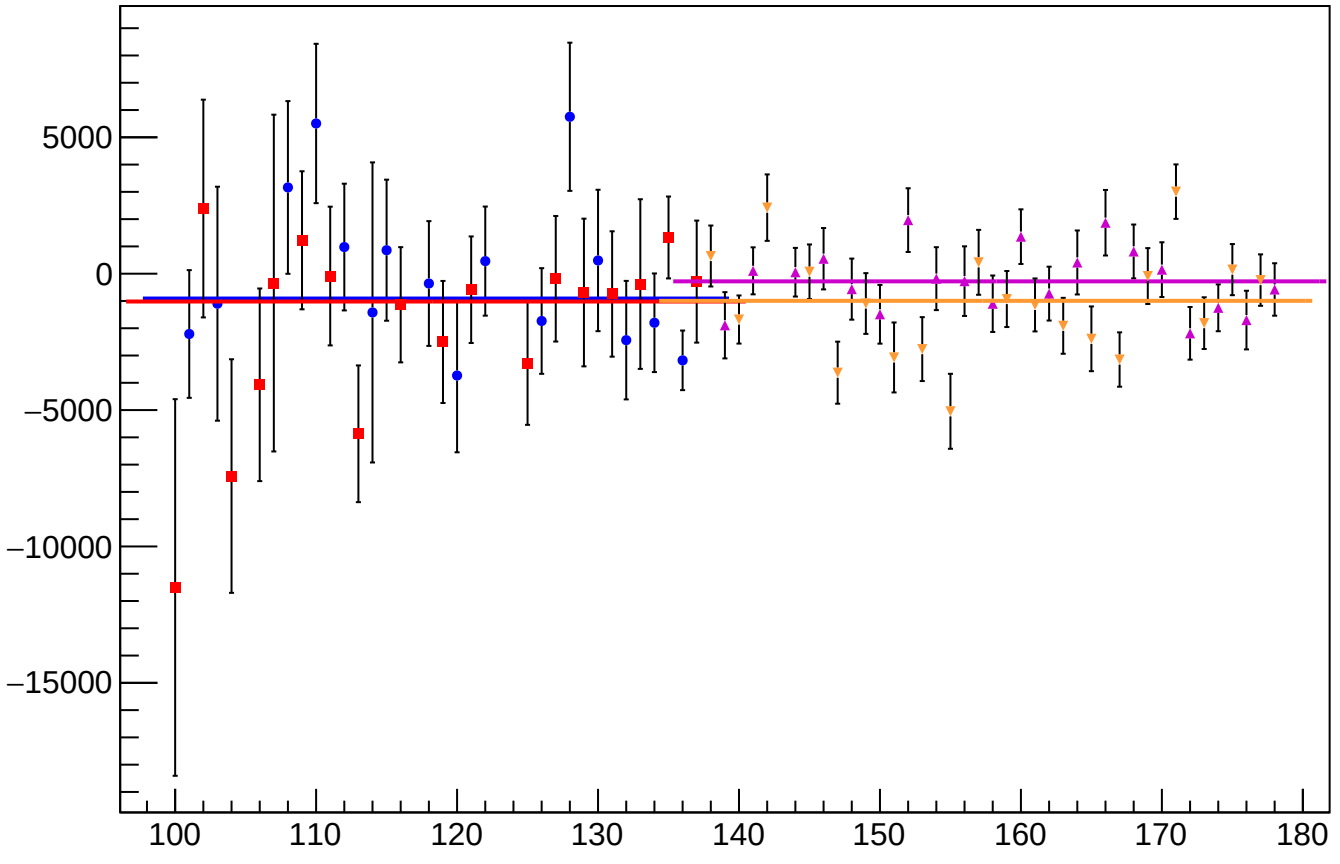
Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1735.455+/-0.304 χ^2/NDF:2102.9/19

+ sign 1768.820+/-0.262 χ^2/NDF: 726665.9/35

All: 1773.767+/-0.185 χ^2/NDF: 1075059.2/73

- sign 1778.640+/-0.260 χ^2/NDF: 347686.9/37



Right In: -910.955+/-550.836 χ^2/NDF: 21.0/15

Left Out: -995.180+/-236.216 χ^2/NDF:58.8/19

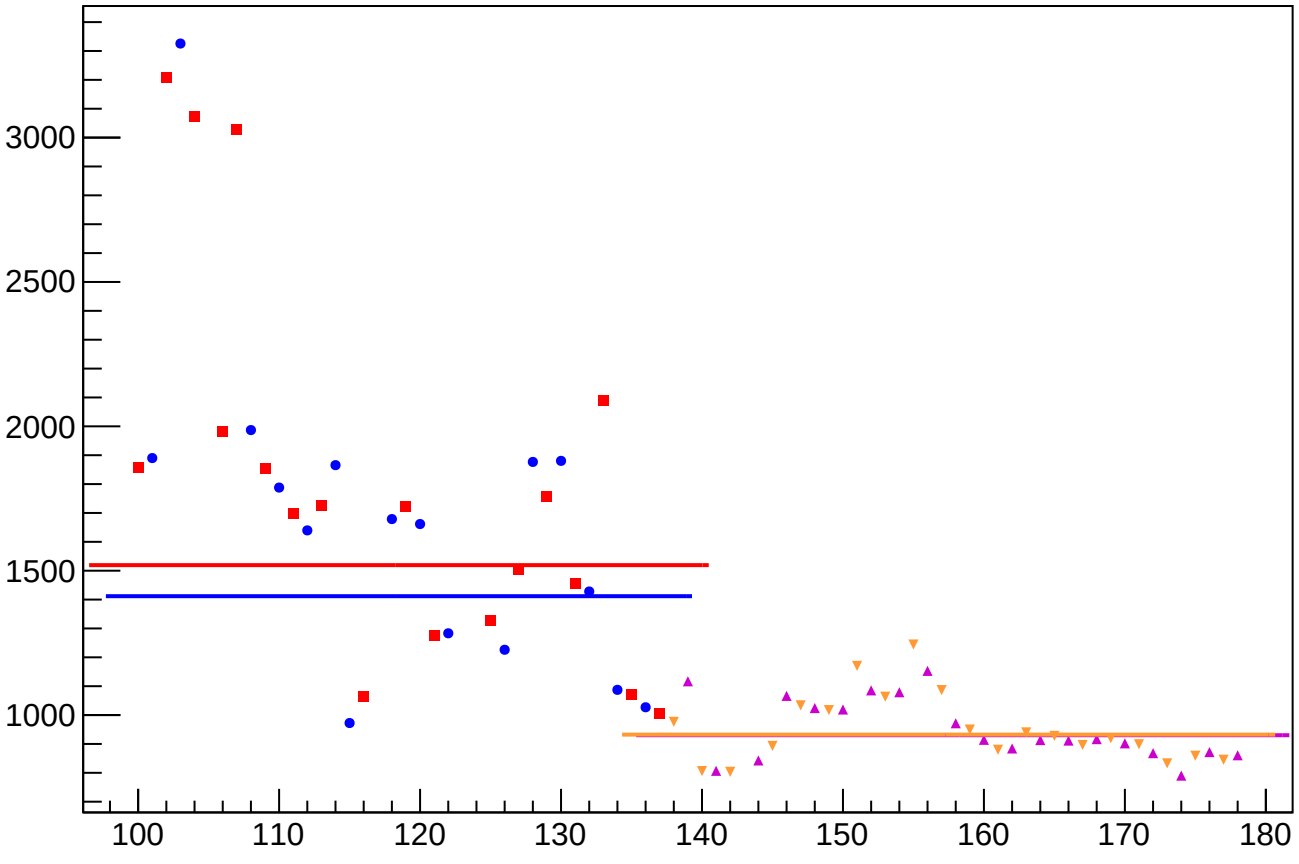
Right Out: -1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: -280.788+/-231.877 χ^2/NDF:23.1/19

+ sign -982.097+/-217.096 χ^2/NDF: 79.8/35

All: -678.985+/-153.081 χ^2/NDF: 123.1/73

- sign -379.243+/-215.886 χ^2/NDF: 39.4/37



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 932.357+/-0.167 χ^2/NDF:390689.6/19

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

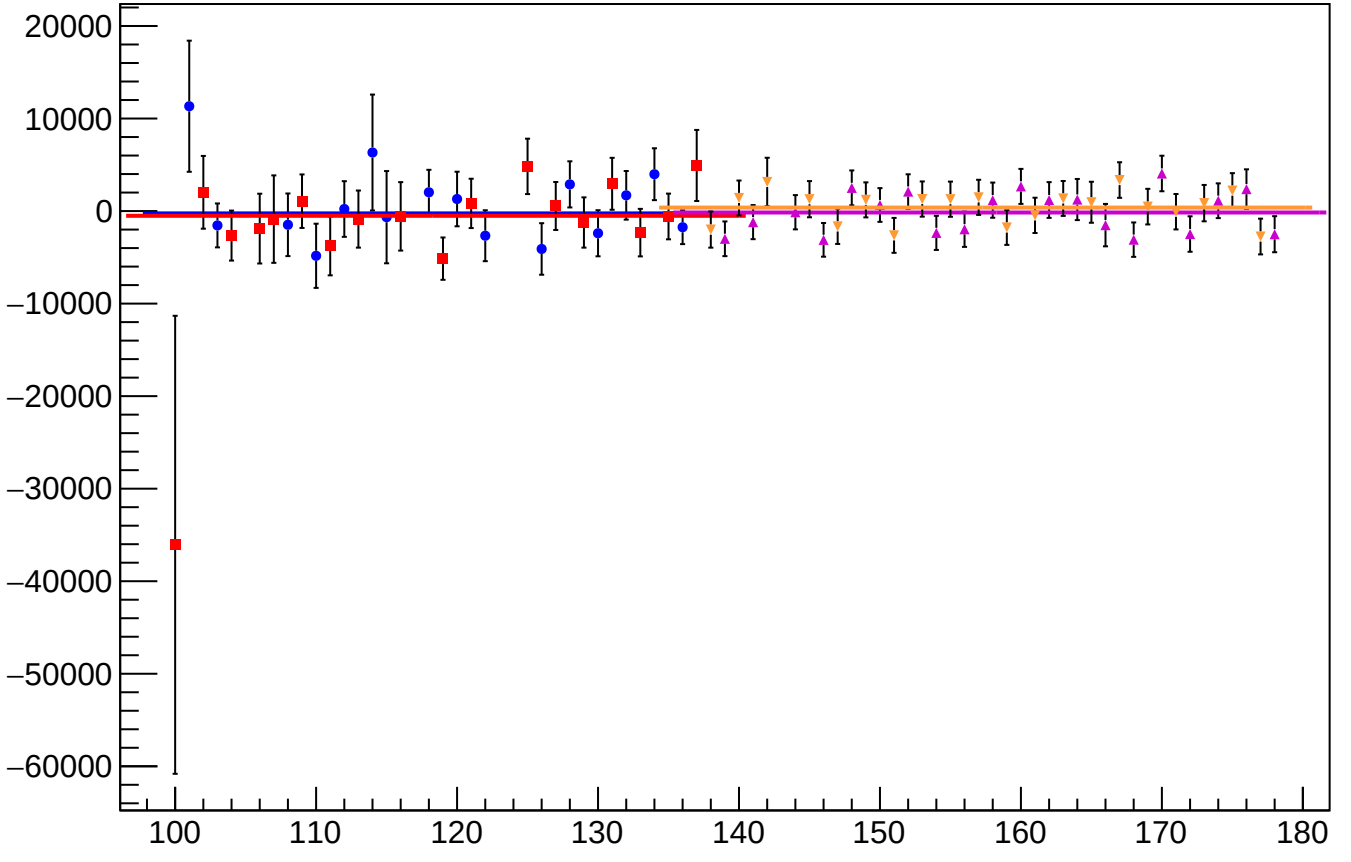
Left In: 930.206+/-0.164 χ^2/NDF:382740.2/19

+ sign 1006.821+/-0.154 χ^2/NDF: 2847969.1/35

All: 1007.743+/-0.108 χ^2/NDF: 6309964.4/73

- sign 1008.654+/-0.153 χ^2/NDF: 3461923.6/37

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: 379.590+/-434.964 χ^2/NDF:15.7/19

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

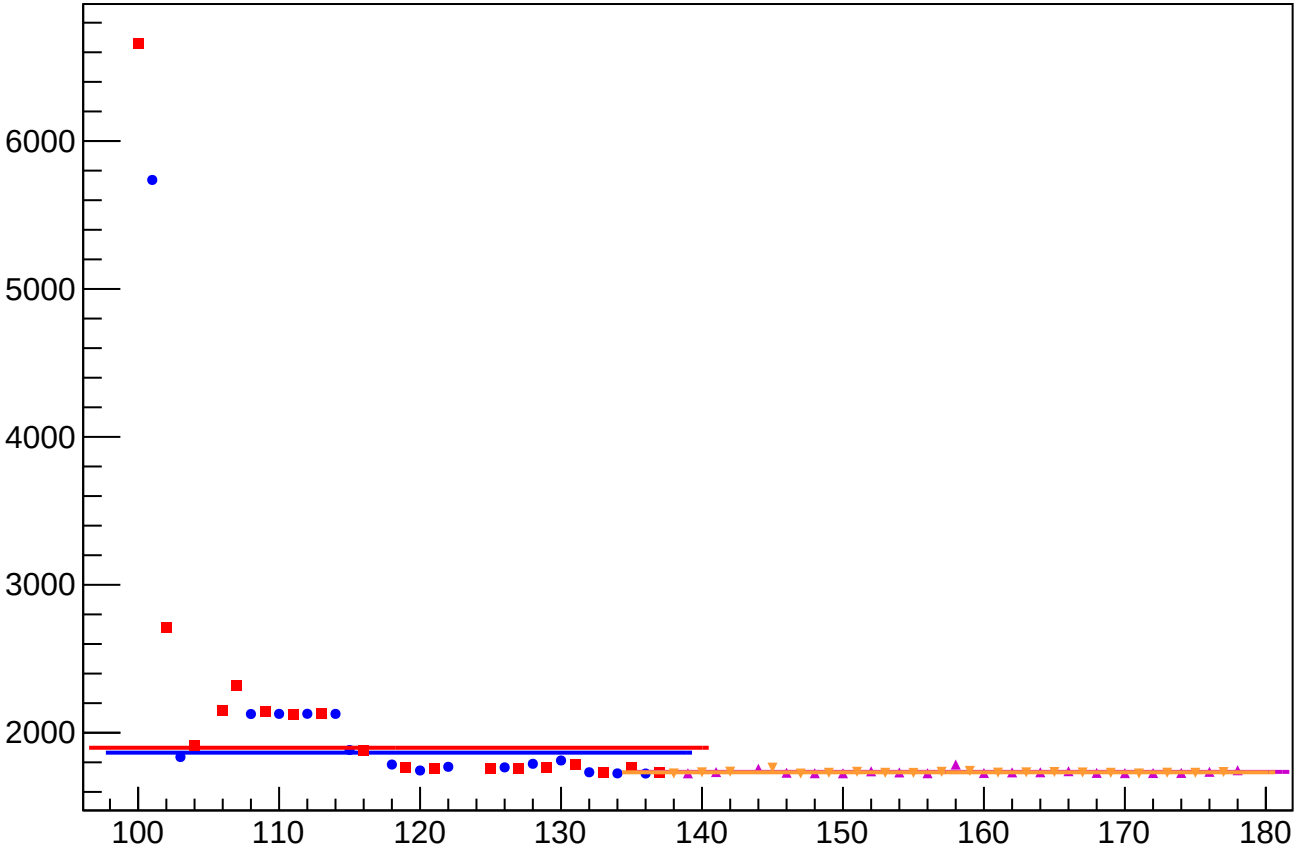
Left In: -154.711+/-429.255 χ^2/NDF:27.3/19

+ sign 207.219+/-370.893 χ^2/NDF: 32.0/35

All: -22.516+/-261.263 χ^2/NDF: 76.6/73

- sign -248.786+/-368.085 χ^2/NDF: 43.9/37

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: 1732.554+/-0.308 χ^2/NDF:732.4/19

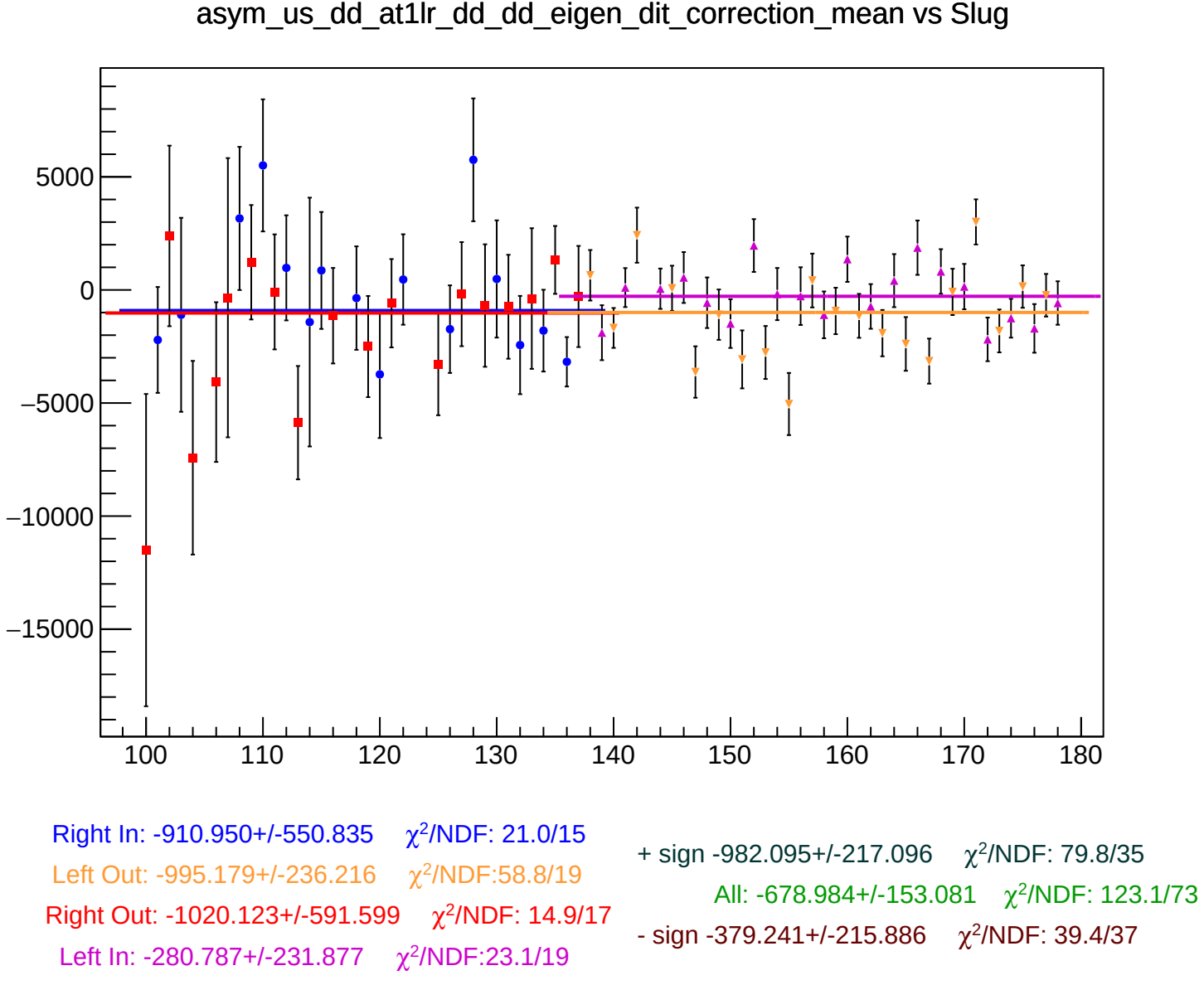
Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

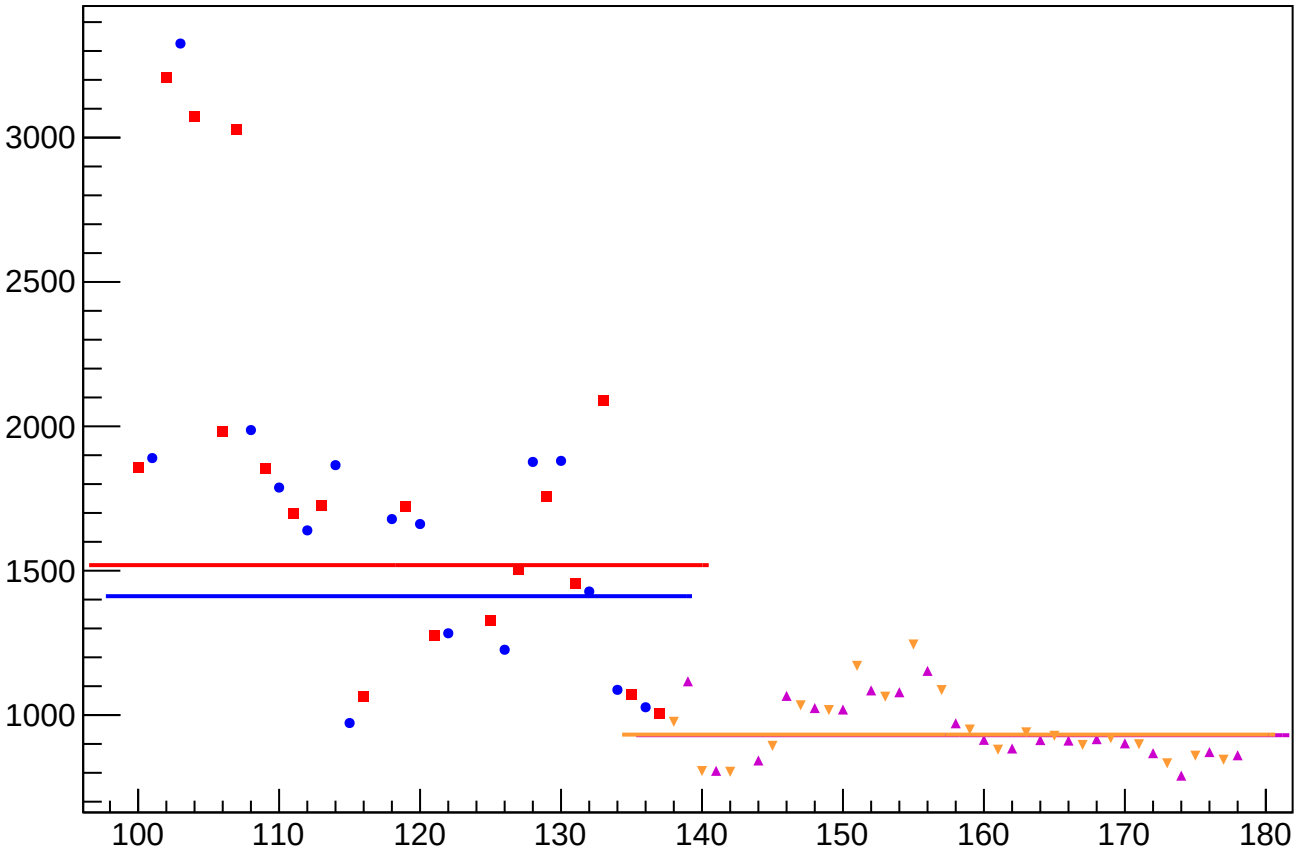
Left In: 1735.455+/-0.304 χ^2/NDF:2102.9/19

+ sign 1768.820+/-0.262 χ^2/NDF: 726665.9/35

All: 1773.767+/-0.185 χ^2/NDF: 1075058.9/73

- sign 1778.640+/-0.260 χ^2/NDF: 347686.6/37


asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: -910.950+/-550.835 χ²/NDF: 21.0/15
Left Out: -995.179+/-236.216 χ²/NDF:58.8/19
Right Out: -1020.123+/-591.599 χ²/NDF: 14.9/17
Left In: -280.787+/-231.877 χ²/NDF:23.1/19
+ sign -982.095+/-217.096 χ²/NDF: 79.8/35
All: -678.984+/-153.081 χ²/NDF: 123.1/73
- sign -379.241+/-215.886 χ²/NDF: 39.4/37



Right In: 1411.745+/-0.389 χ^2/NDF: 1177746.1/15

Left Out: 932.356+/-0.167 χ^2/NDF:390697.9/19

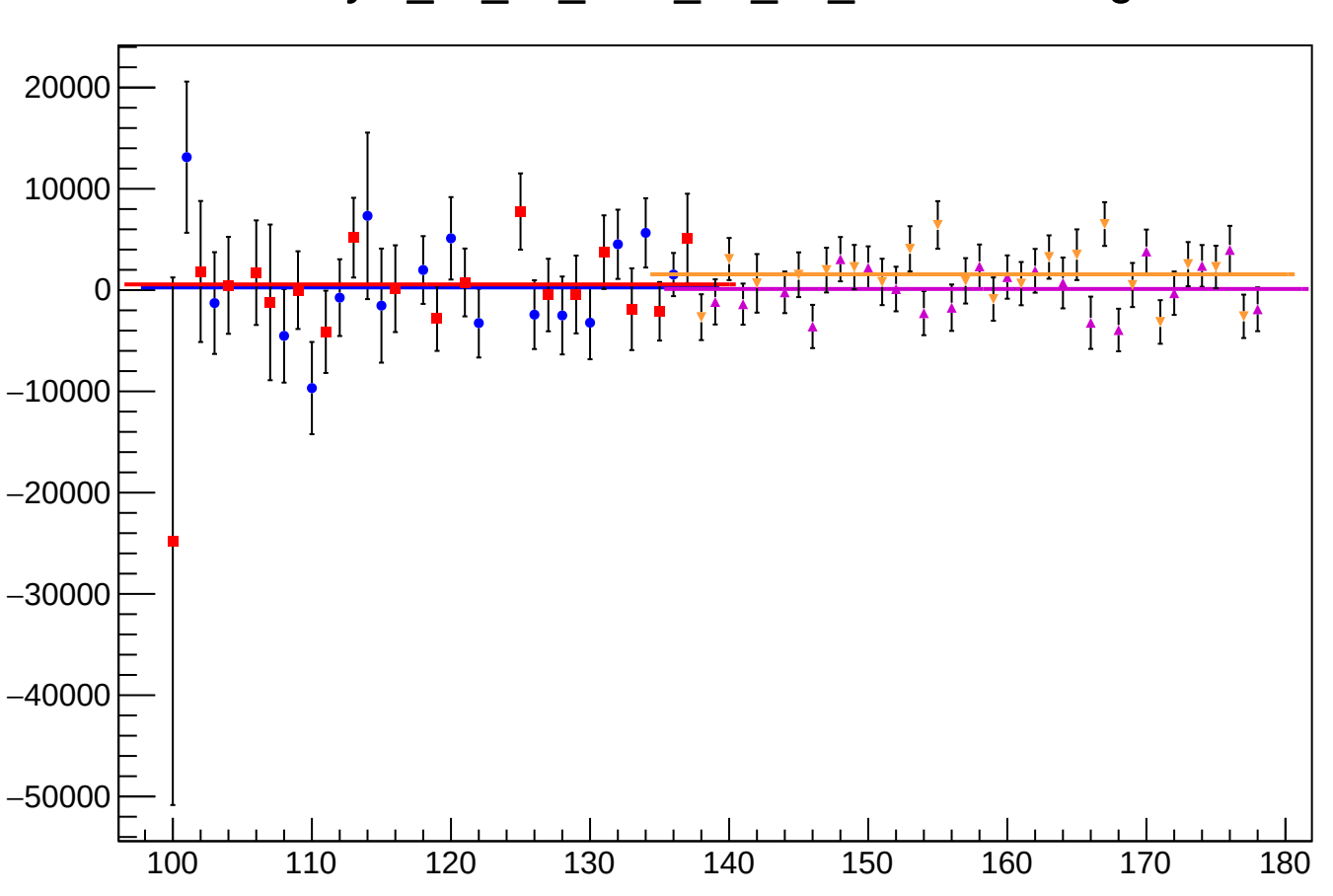
Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

Left In: 930.206+/-0.164 χ^2/NDF:382748.8/19

+ sign 1006.821+/-0.154 χ^2/NDF: 2847966.9/35

All: 1007.743+/-0.108 χ^2/NDF: 6309965.6/73

- sign 1008.654+/-0.153 χ^2/NDF: 3461926.9/37



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 1557.515+/-496.854 χ^2/NDF:27.1/19

Right Out: 560.962+/-962.943 χ^2/NDF: 11.7/17

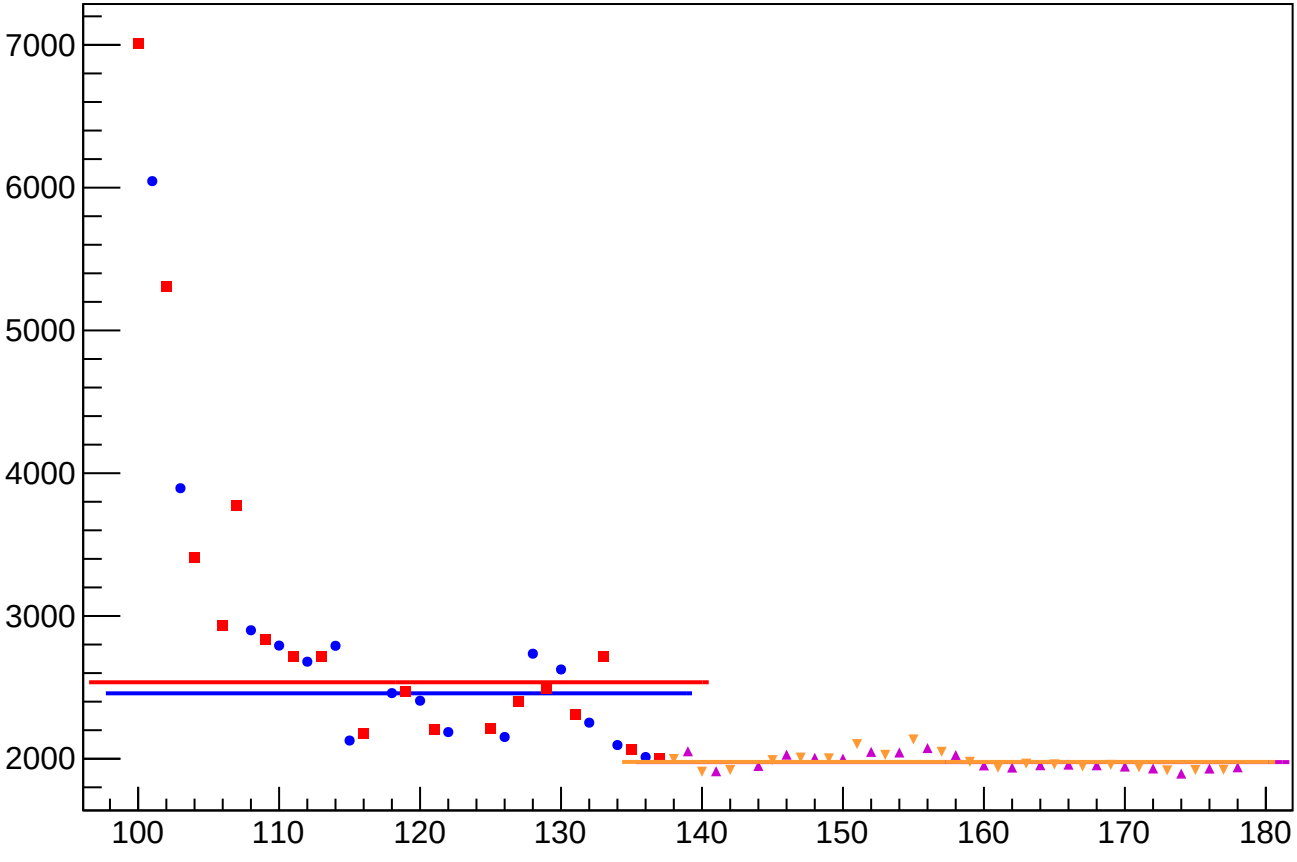
Left In: 111.549+/-489.108 χ^2/NDF:23.7/19

+ sign 1276.055+/-439.468 χ^2/NDF: 47.6/35

All: 735.735+/-309.546 χ^2/NDF: 86.3/73

- sign 203.716+/-436.079 χ^2/NDF: 35.6/37

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2458.332+/-0.666 χ^2/NDF: 832888.7/15

Left Out: 1977.927+/-0.351 χ^2/NDF:28035.8/19

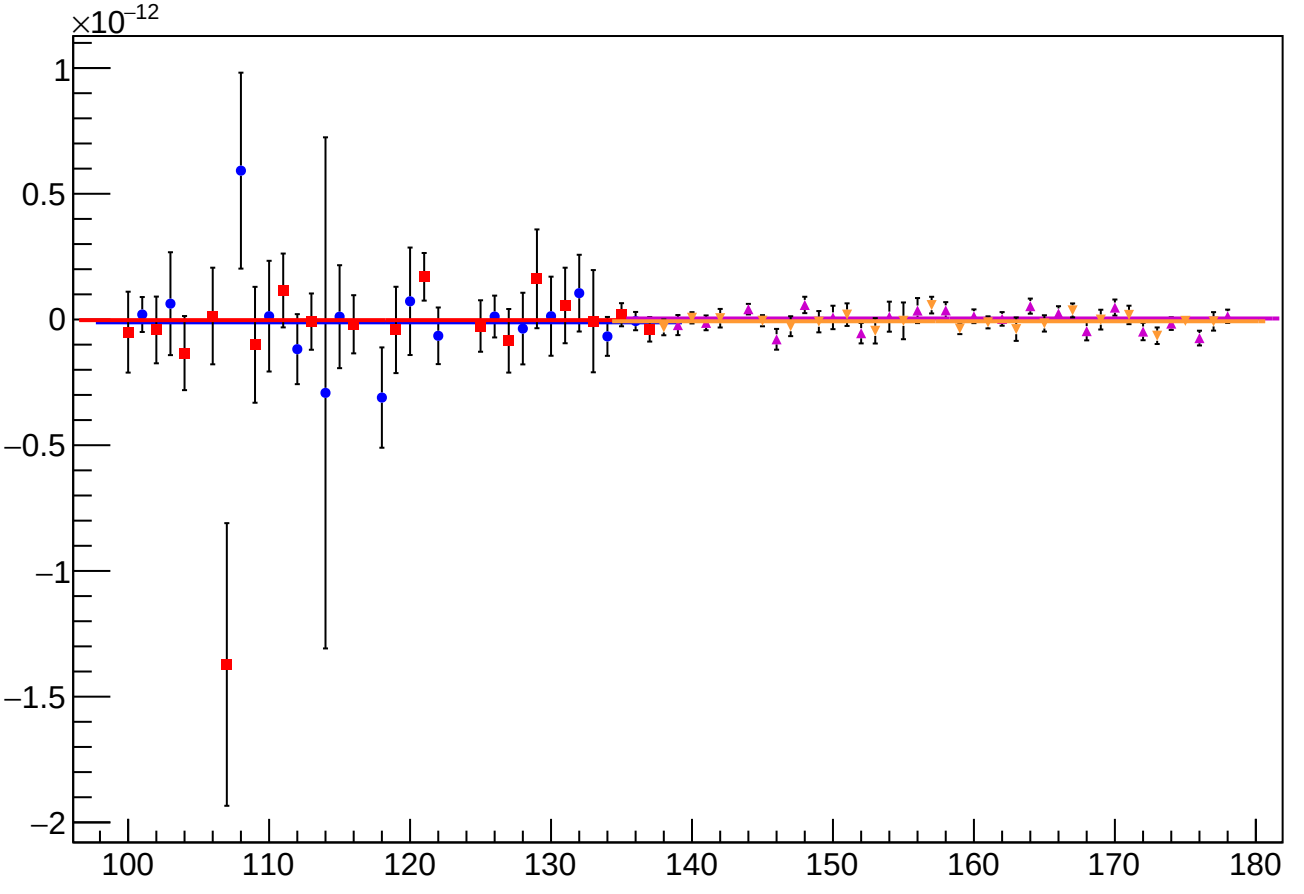
Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1976.601+/-0.346 χ^2/NDF:22181.5/19

+ sign 2082.491+/-0.311 χ^2/NDF: 1267890.6/35

All: 2086.919+/-0.219 χ^2/NDF: 2499928.7/73

- sign 2091.280+/-0.308 χ^2/NDF: 1231634.9/37



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.2/19

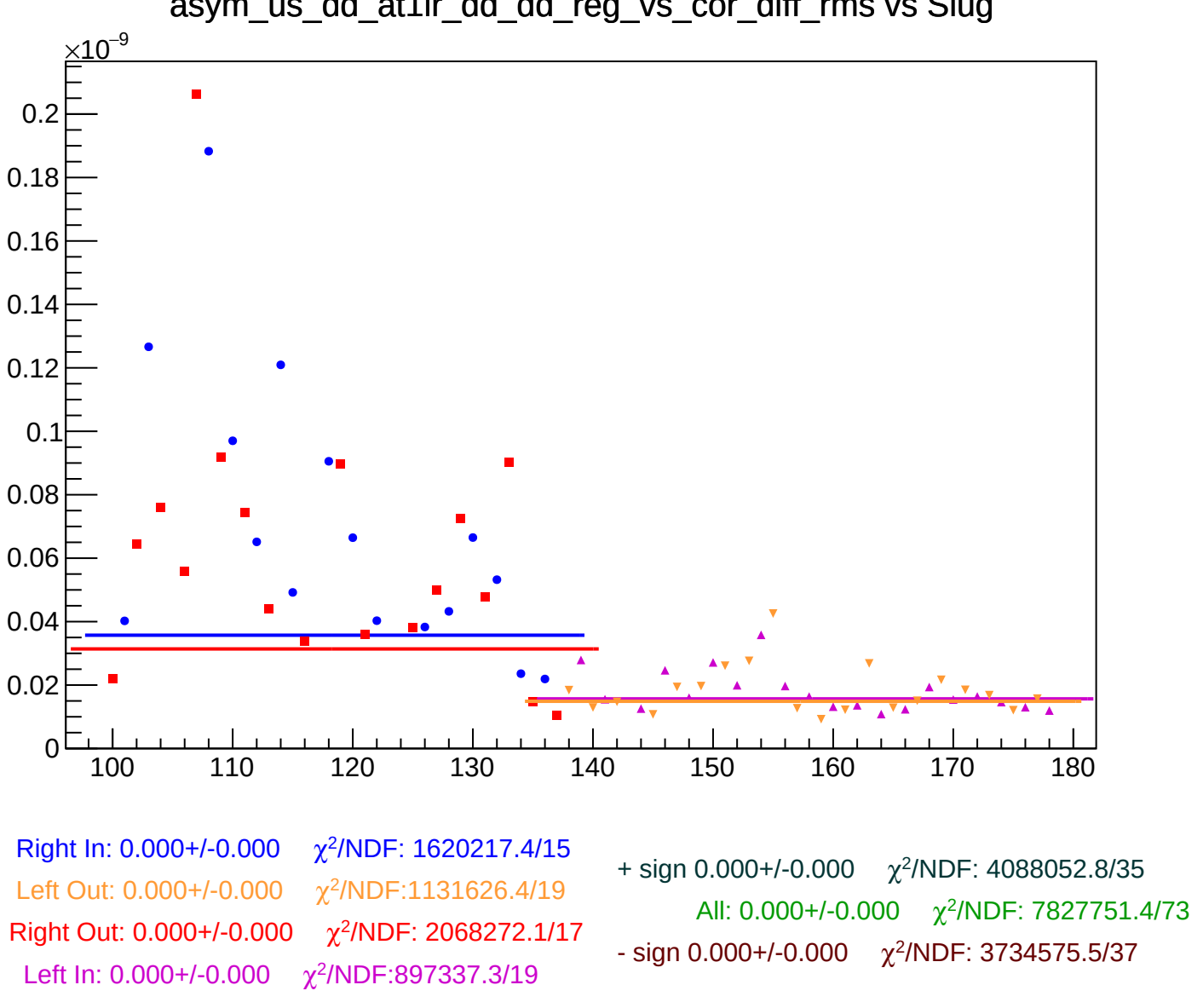
Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: 0.000+/-0.000 χ^2/NDF:31.1/19

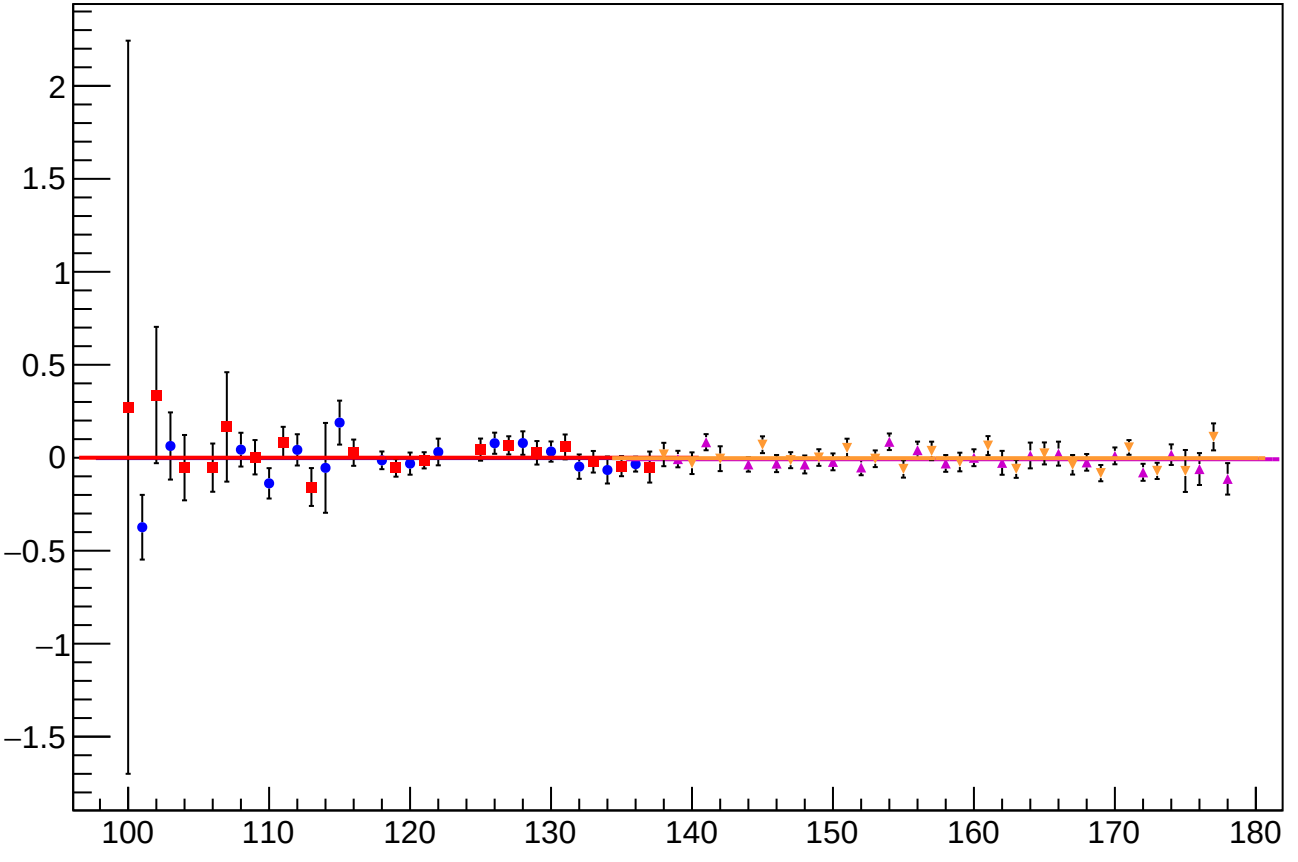
+ sign -0.000+/-0.000 χ^2/NDF: 21.6/35

All: -0.000+/-0.000 χ^2/NDF: 67.3/73

- sign 0.000+/-0.000 χ^2/NDF: 44.4/37


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
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1620217.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1131626.4/19
Right Out: 0.000+/-0.000 χ²/NDF: 2068272.1/17
Left In: 0.000+/-0.000 χ²/NDF:897337.3/19
+ sign 0.000+/-0.000 χ²/NDF: 4088052.8/35
All: 0.000+/-0.000 χ²/NDF: 7827751.4/73
- sign 0.000+/-0.000 χ²/NDF: 3734575.5/37

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: -0.002+/-0.011 χ^2/NDF:21.1/19

Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

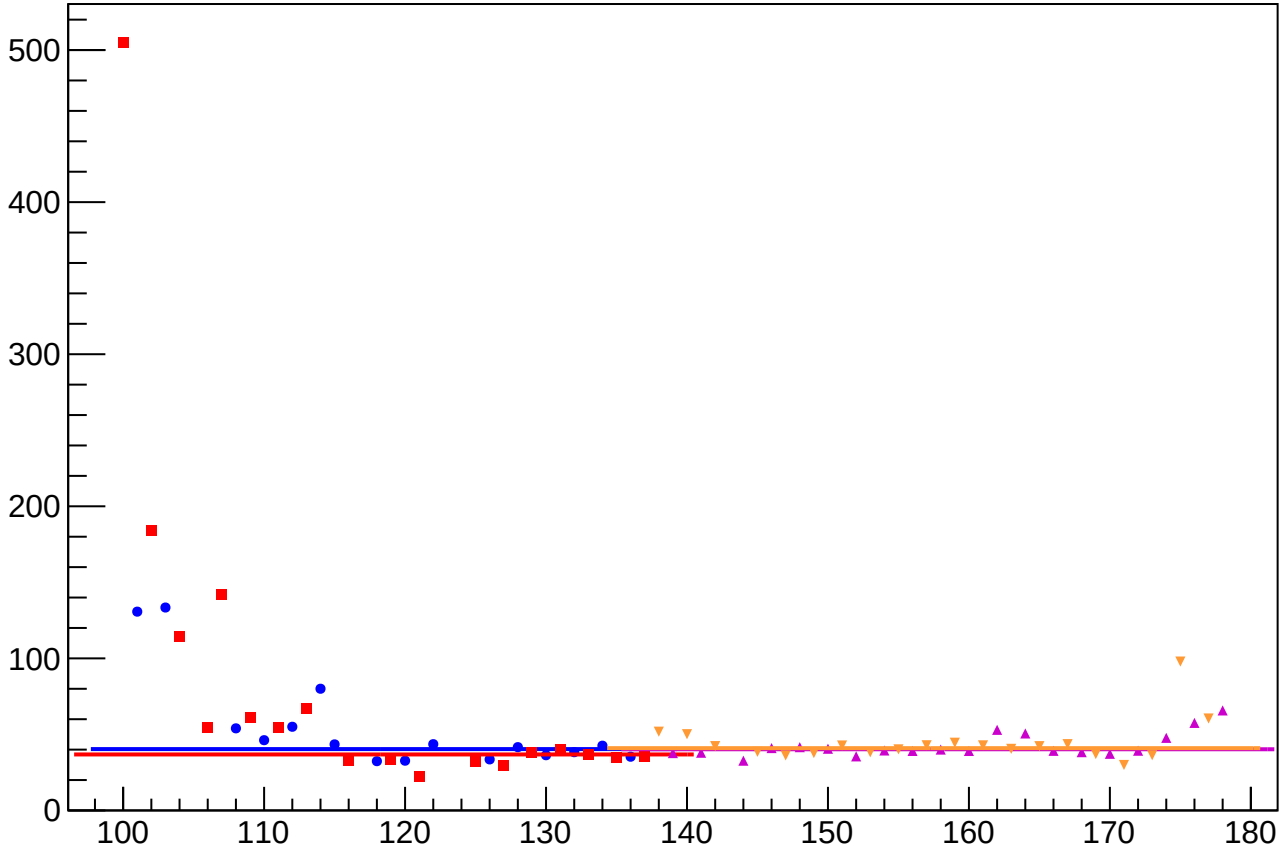
Left In: -0.008+/-0.011 χ^2/NDF:17.8/19

+ sign -0.002+/-0.009 χ^2/NDF: 38.2/35

All: -0.004+/-0.007 χ^2/NDF: 67.2/73

- sign -0.006+/-0.009 χ^2/NDF: 28.9/37

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: 40.959+/-0.008 χ^2/NDF:1031169.0/19

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

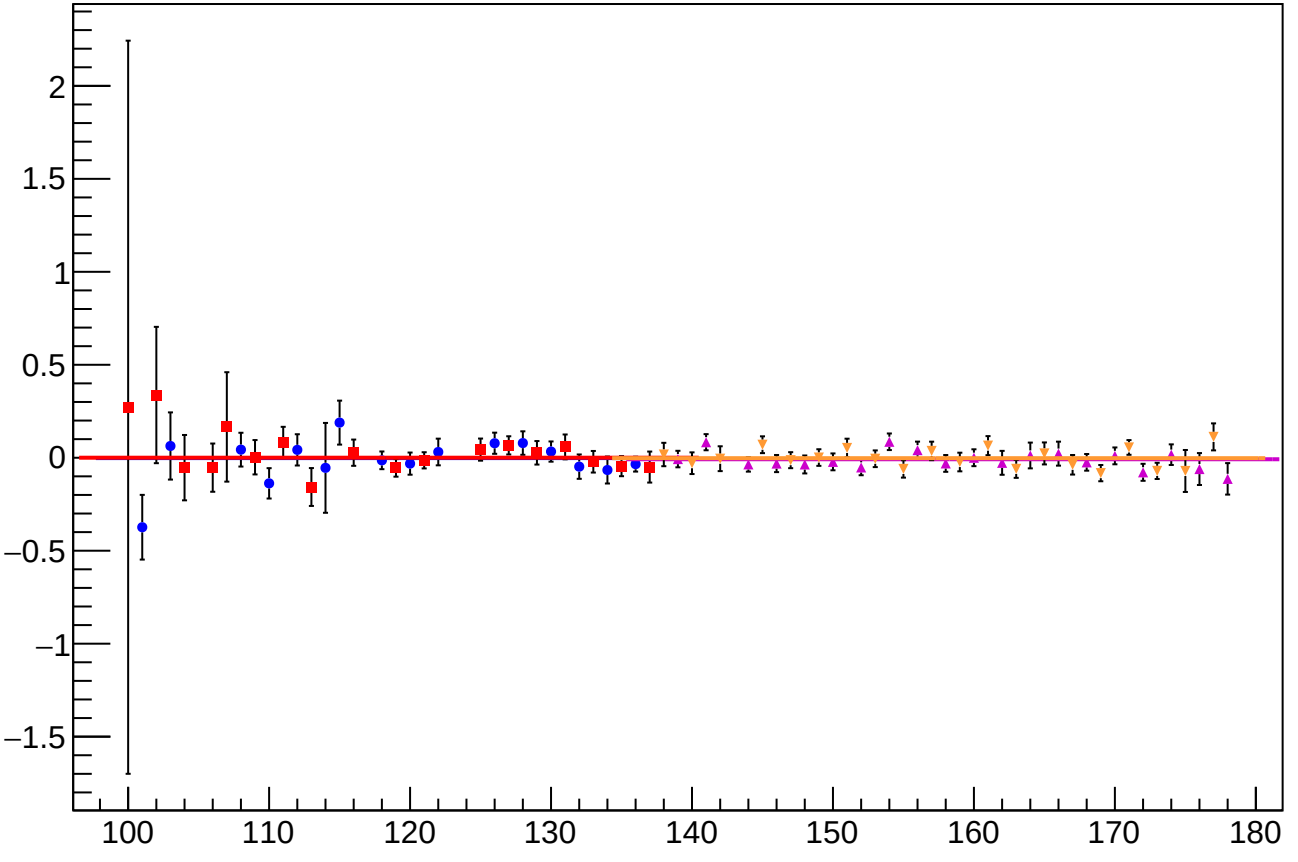
Left In: 40.239+/-0.008 χ^2/NDF:554297.8/19

\+ sign 40.775+/-0.007 χ^2/NDF: 2443068.9/35

All: 39.971+/-0.005 χ^2/NDF: 4921578.0/73

\- sign 39.211+/-0.006 χ^2/NDF: 2450097.0/37

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.002+/-0.011 χ^2/NDF:21.1/19

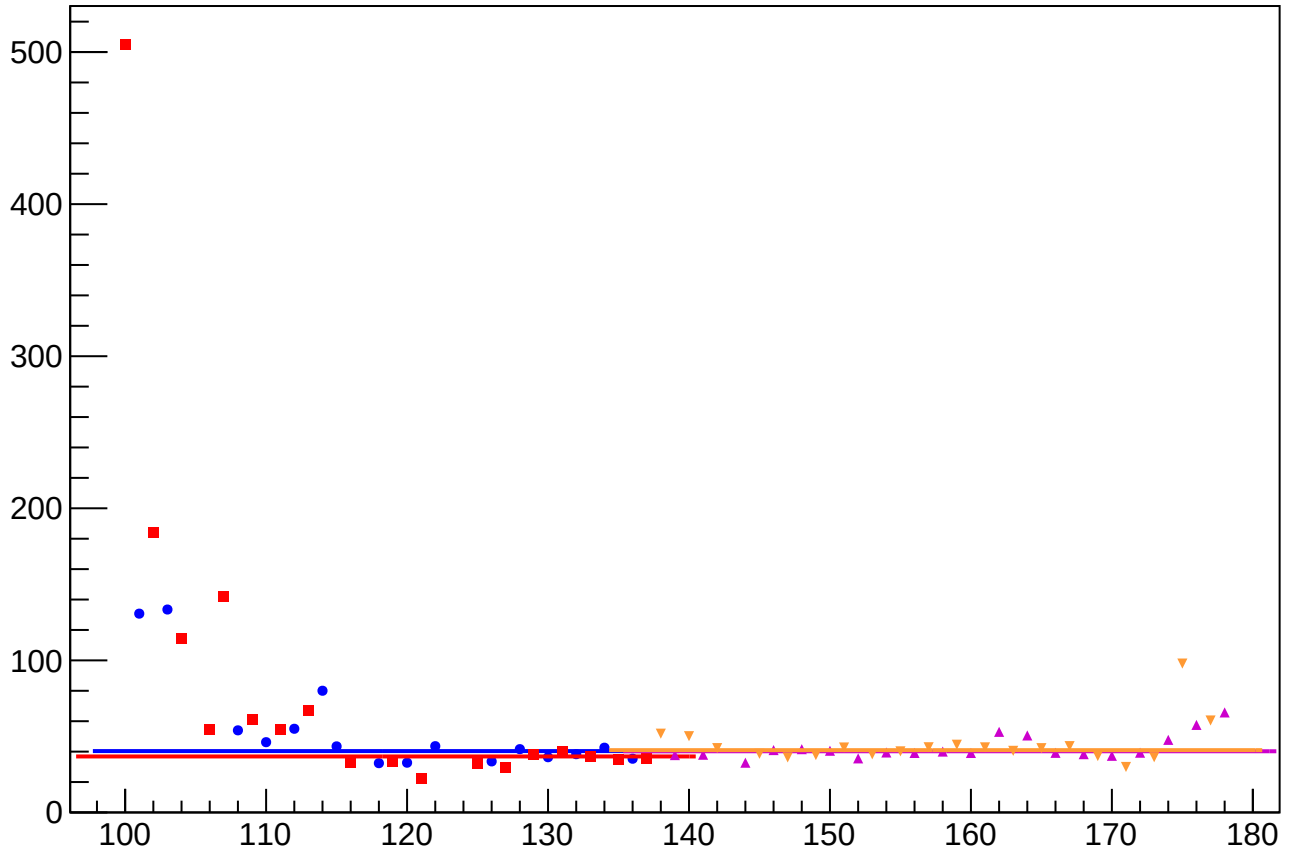
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.008+/-0.011 χ^2/NDF:17.8/19

+ sign -0.002+/-0.009 χ^2/NDF: 38.2/35

All: -0.004+/-0.007 χ^2/NDF: 67.2/73

- sign -0.006+/-0.009 χ^2/NDF: 28.9/37



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 40.959+/-0.008 χ^2/NDF:1031169.0/19

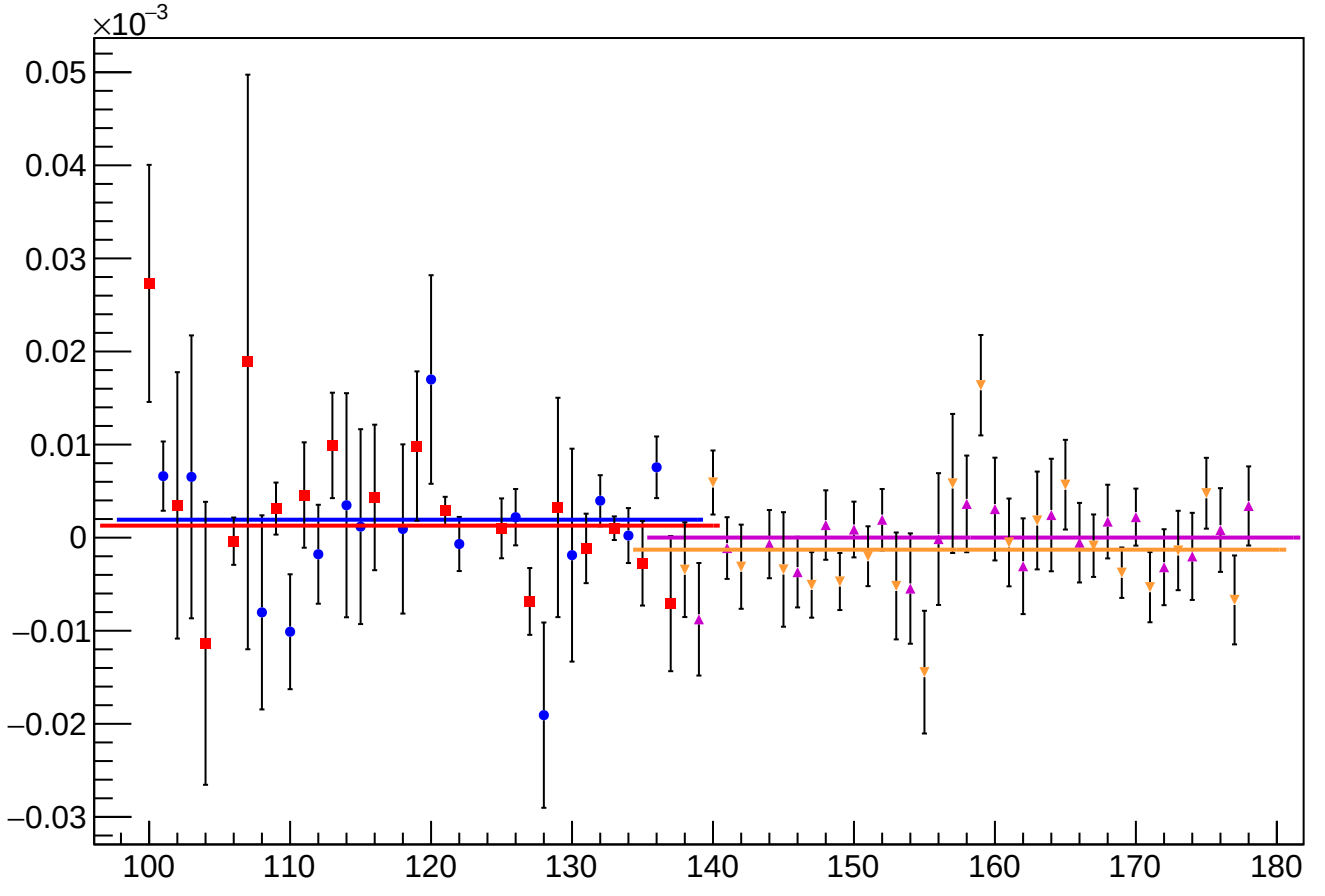
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 40.239+/-0.008 χ^2/NDF:554297.8/19

\+ sign 40.775+/-0.007 χ^2/NDF: 2443068.9/35

All: 39.971+/-0.005 χ^2/NDF: 4921578.0/73

\- sign 39.211+/-0.006 χ^2/NDF: 2450097.0/37



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.7/19

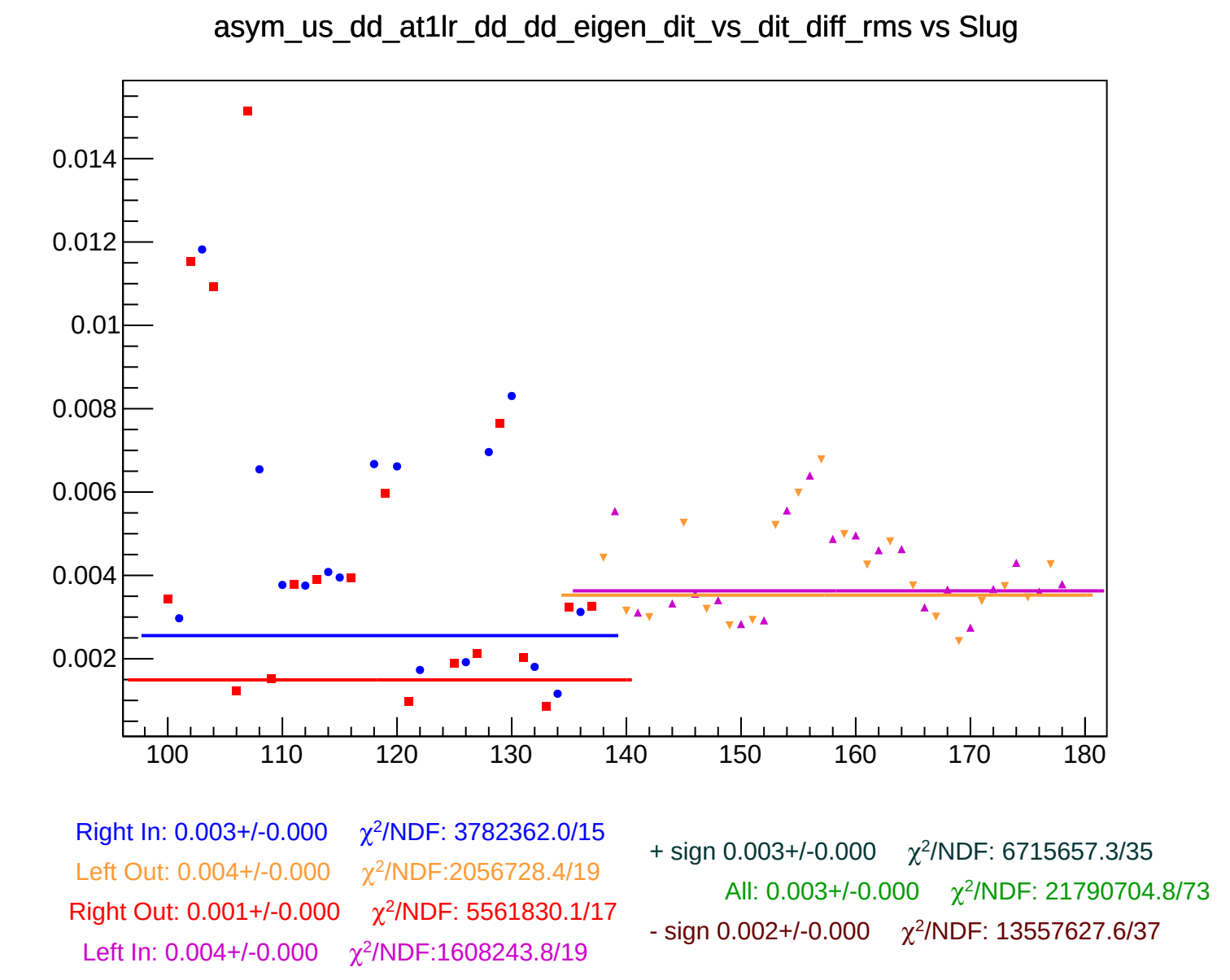
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

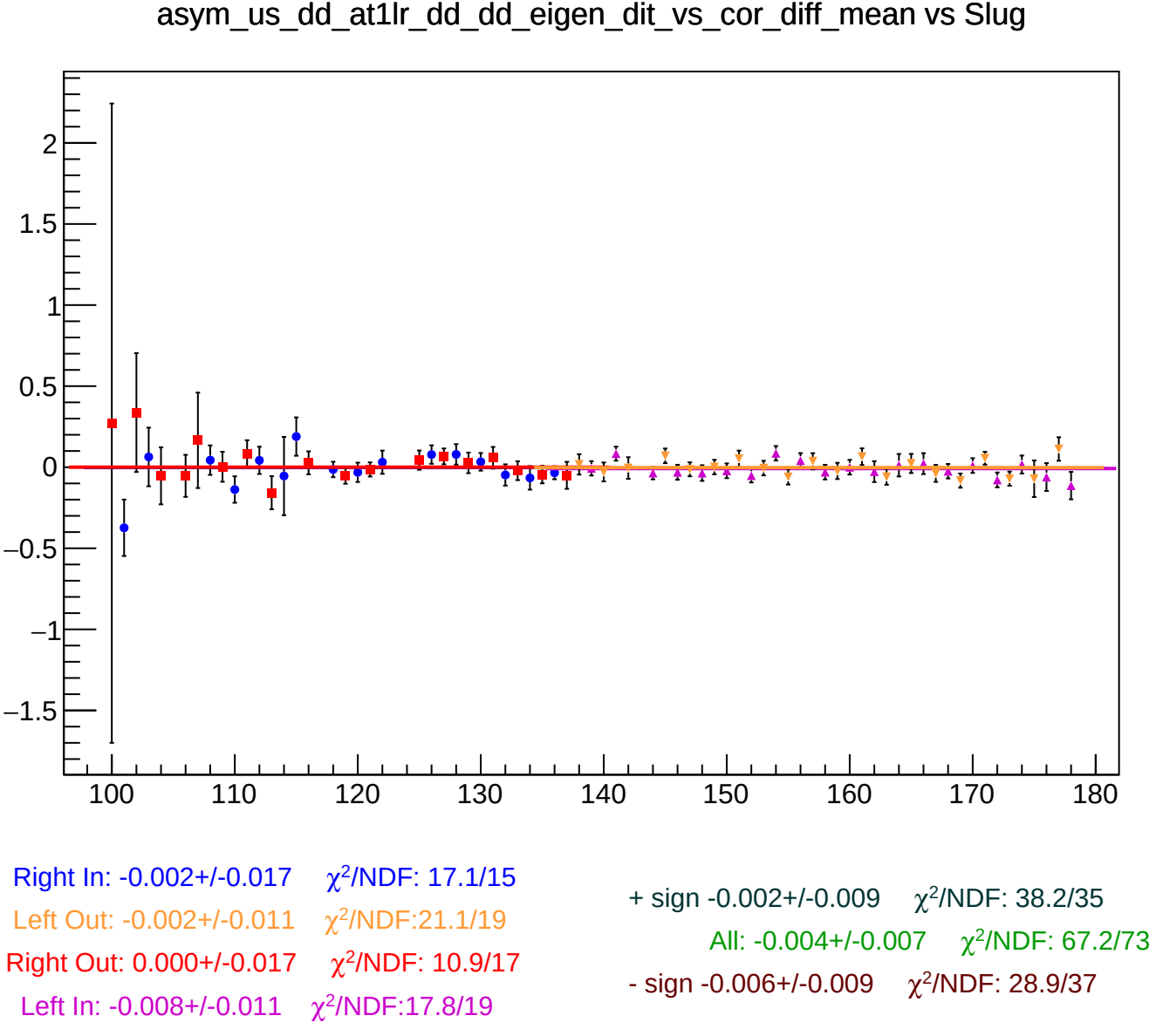
Left In: 0.000+/-0.000 χ^2/NDF:8.1/19

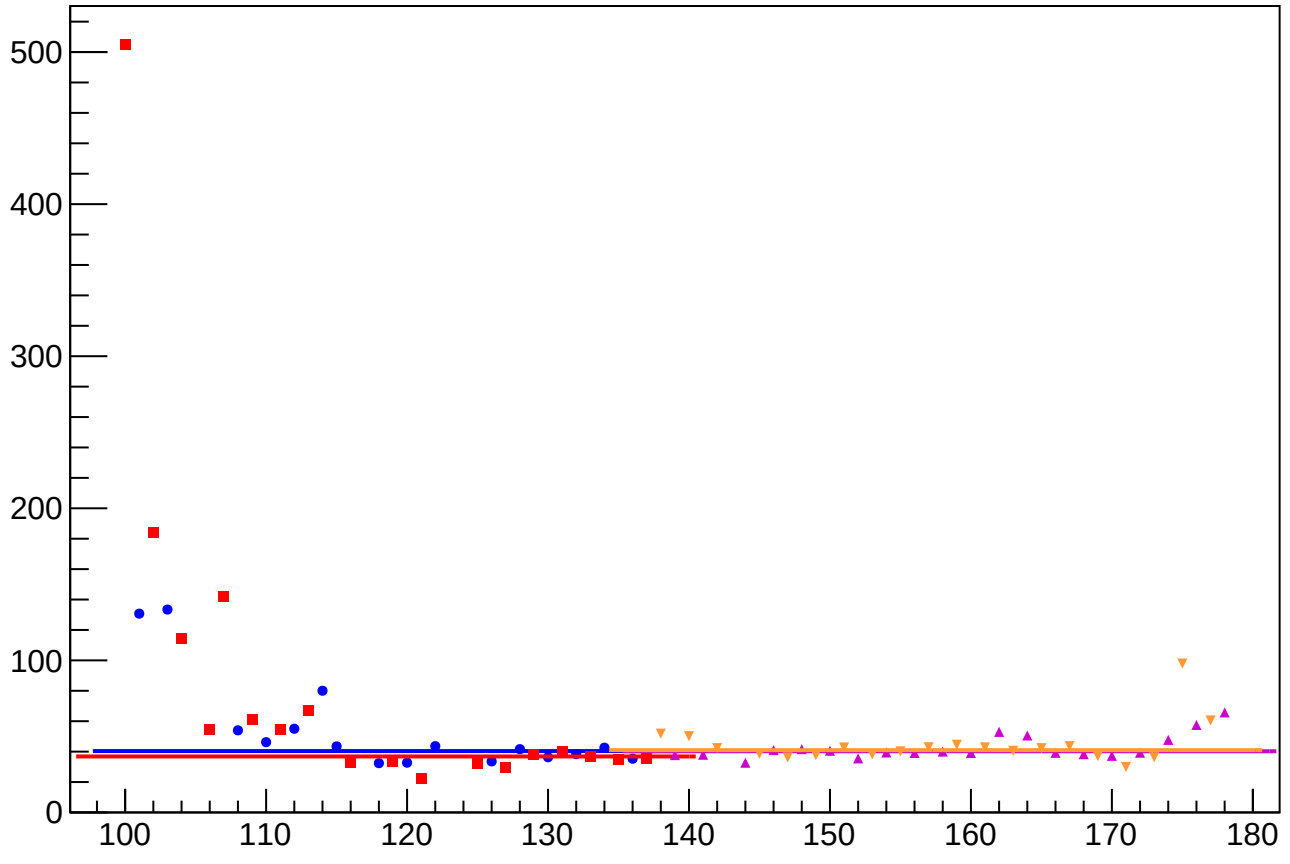
+ sign -0.000+/-0.000 χ^2/NDF: 54.4/35

All: 0.000+/-0.000 χ^2/NDF: 83.3/73

- sign 0.000+/-0.000 χ^2/NDF: 28.2/37


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
Right In: 0.003+/-0.000 χ²/NDF: 3782362.0/15
Left Out: 0.004+/-0.000 χ²/NDF:2056728.4/19
Right Out: 0.001+/-0.000 χ²/NDF: 5561830.1/17
Left In: 0.004+/-0.000 χ²/NDF:1608243.8/19
+ sign 0.003+/-0.000 χ²/NDF: 6715657.3/35
All: 0.003+/-0.000 χ²/NDF: 21790704.8/73
- sign 0.002+/-0.000 χ²/NDF: 13557627.6/37


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
150
160
170
180
Right In: -0.002+/-0.017 χ²/NDF: 17.1/15
Left Out: -0.002+/-0.011 χ²/NDF:21.1/19
Right Out: 0.000+/-0.017 χ²/NDF: 10.9/17
Left In: -0.008+/-0.011 χ²/NDF:17.8/19
+ sign -0.002+/-0.009 χ²/NDF: 38.2/35
All: -0.004+/-0.007 χ²/NDF: 67.2/73
- sign -0.006+/-0.009 χ²/NDF: 28.9/37



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 40.959+/-0.008 χ^2/NDF:1031176.7/19

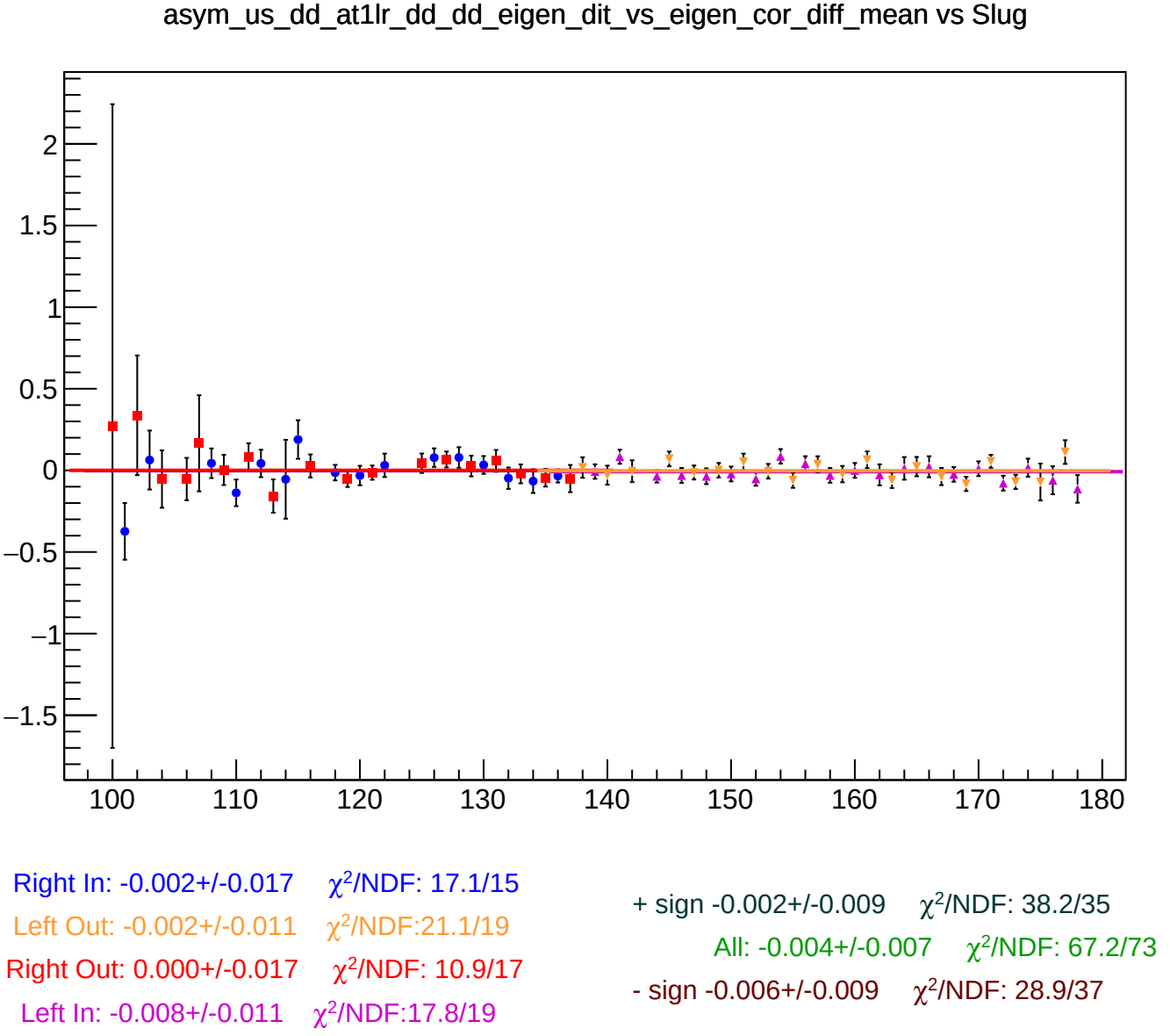
Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

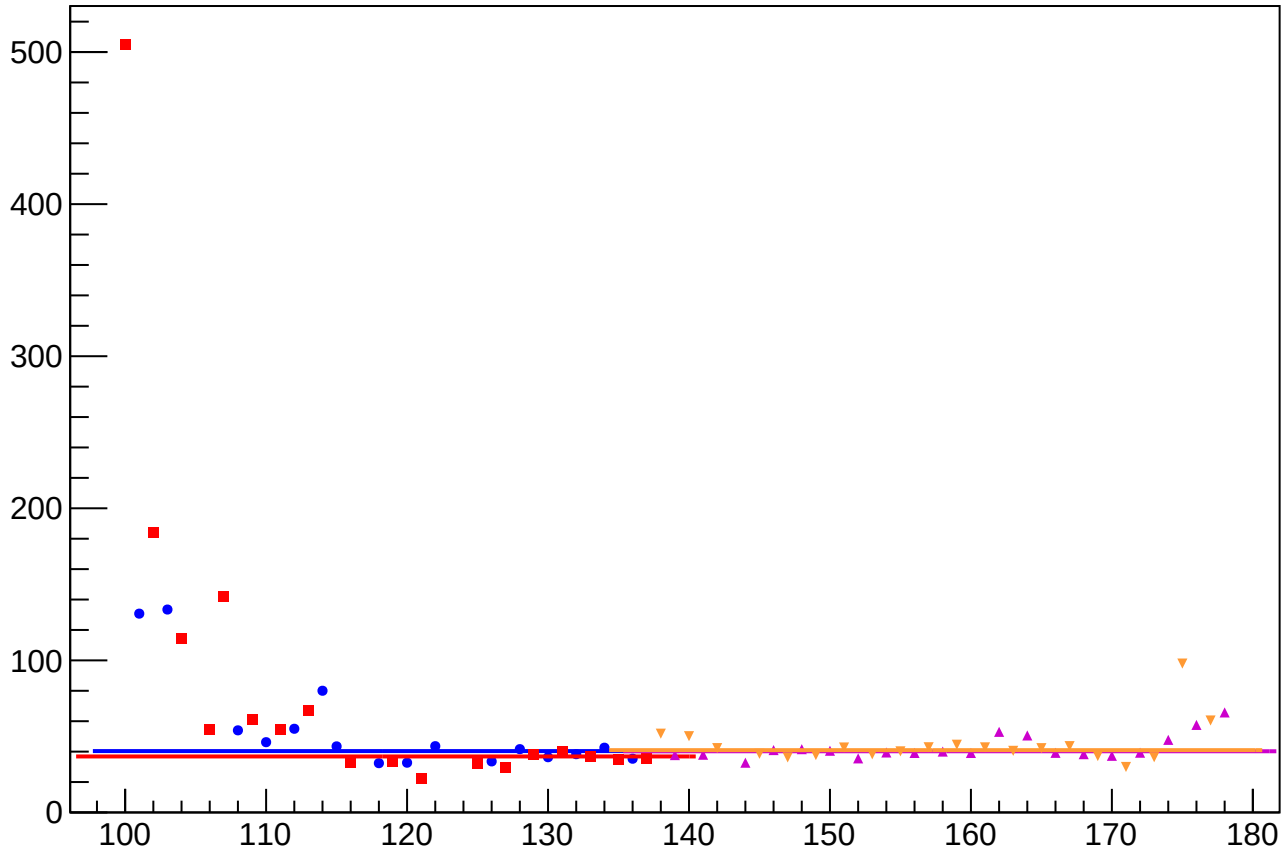
Left In: 40.239+/-0.008 χ^2/NDF:554234.6/19

\+ sign 40.775+/-0.007 χ^2/NDF: 2442971.6/35

All: 39.971+/-0.005 χ^2/NDF: 4921452.6/73

\- sign 39.211+/-0.006 χ^2/NDF: 2450055.0/37


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
150
160
170
180
Right In: -0.002+/-0.017 χ²/NDF: 17.1/15
Left Out: -0.002+/-0.011 χ²/NDF:21.1/19
Right Out: 0.000+/-0.017 χ²/NDF: 10.9/17
Left In: -0.008+/-0.011 χ²/NDF:17.8/19
+ sign -0.002+/-0.009 χ²/NDF: 38.2/35
All: -0.004+/-0.007 χ²/NDF: 67.2/73
- sign -0.006+/-0.009 χ²/NDF: 28.9/37



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 40.959+/-0.008 χ^2/NDF:1031176.7/19

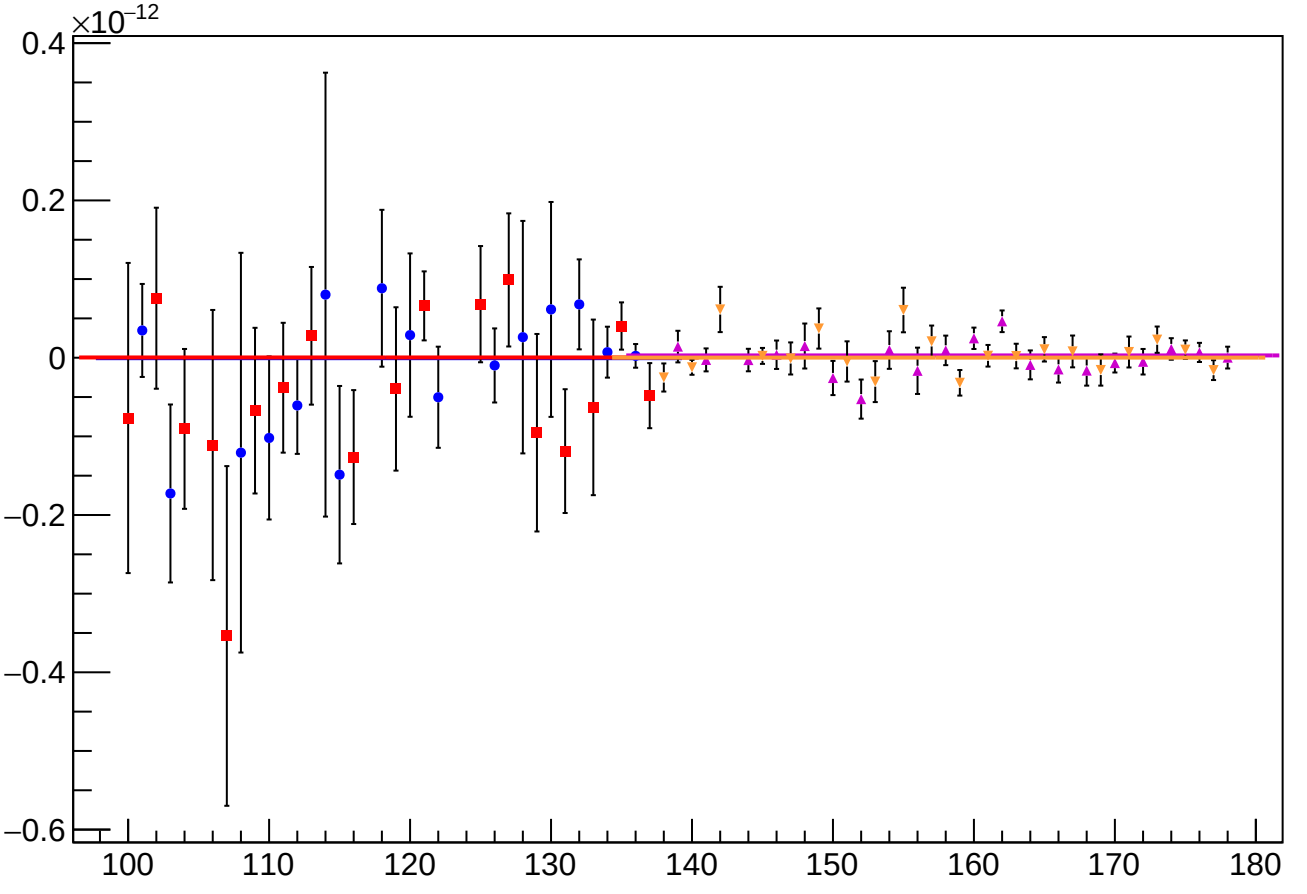
Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 40.239+/-0.008 χ^2/NDF:554234.6/19

\+ sign 40.775+/-0.007 χ^2/NDF: 2442971.6/35

All: 39.971+/-0.005 χ^2/NDF: 4921452.6/73

\- sign 39.211+/-0.006 χ^2/NDF: 2450055.0/37



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/19

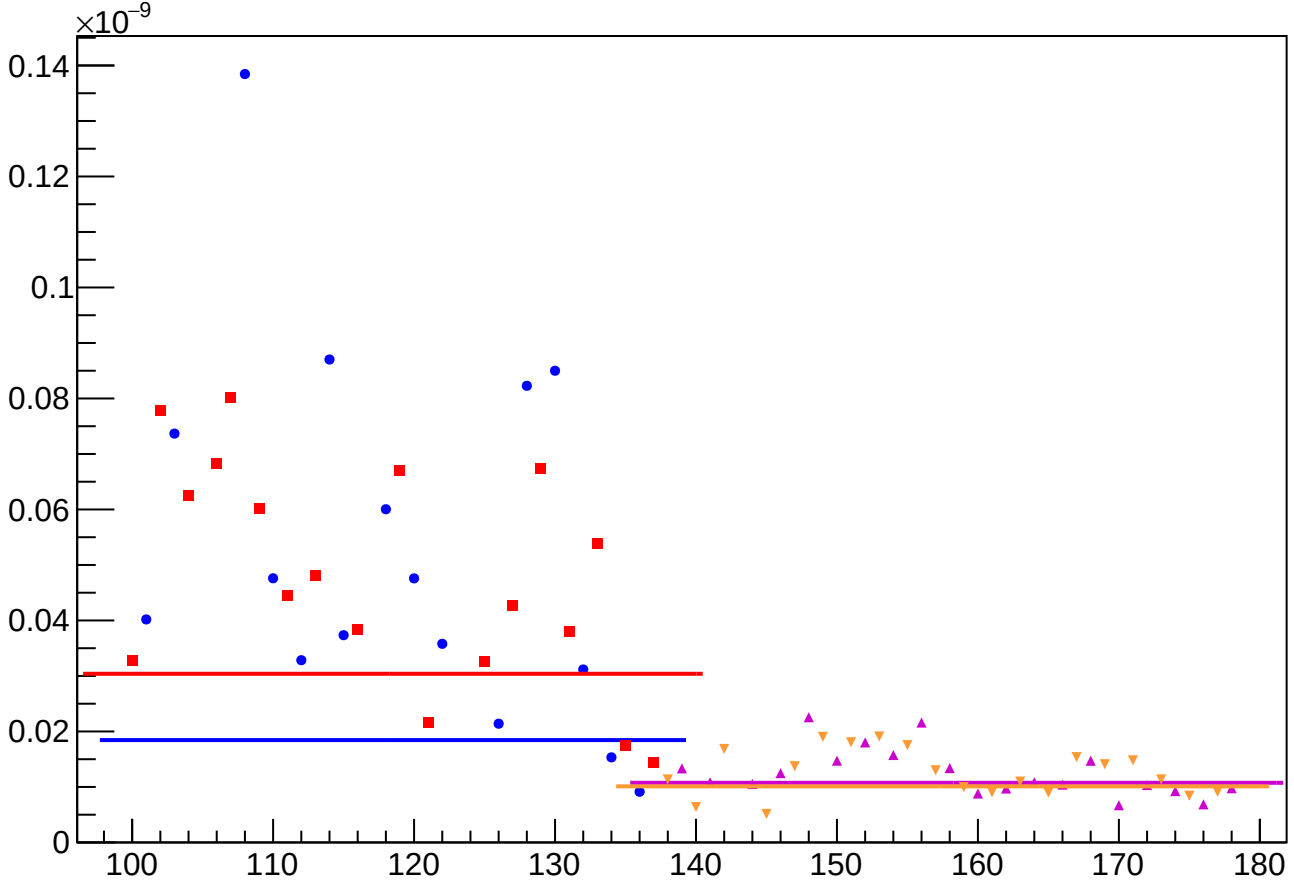
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: 0.000+/-0.000 χ^2/NDF:24.7/19

+ sign 0.000+/-0.000 χ^2/NDF: 36.8/35

All: 0.000+/-0.000 χ^2/NDF: 80.1/73

- sign 0.000+/-0.000 χ^2/NDF: 43.0/37



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2249107.3/19

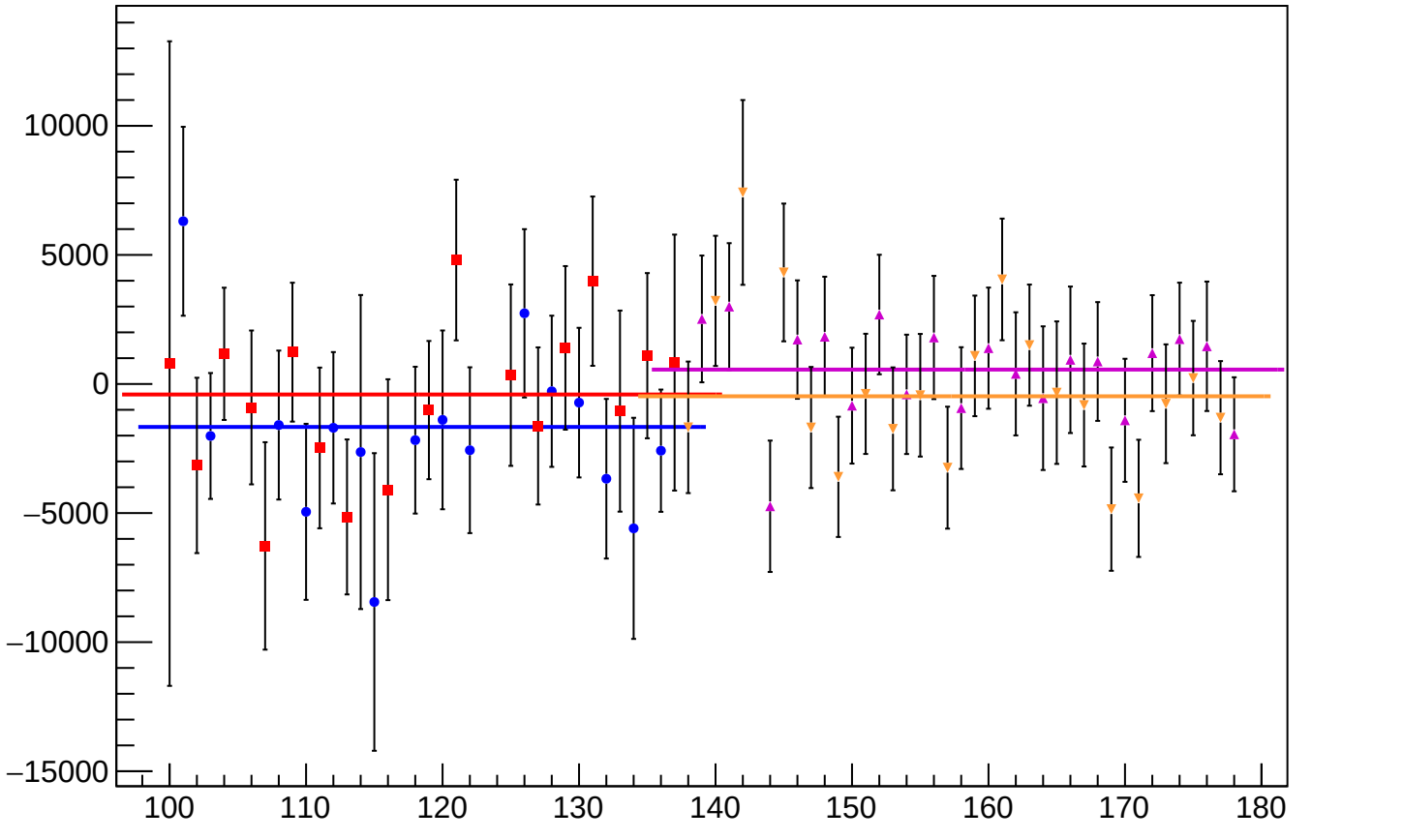
Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:1636152.6/19

+ sign 0.000+/-0.000 χ^2/NDF: 7220874.8/35

All: 0.000+/-0.000 χ^2/NDF: 14014271.1/73

- sign 0.000+/-0.000 χ^2/NDF: 6735656.0/37



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: -476.025+/-539.441 χ^2/NDF:25.7/19

Right Out: -406.847+/-777.158 χ^2/NDF: 12.7/17

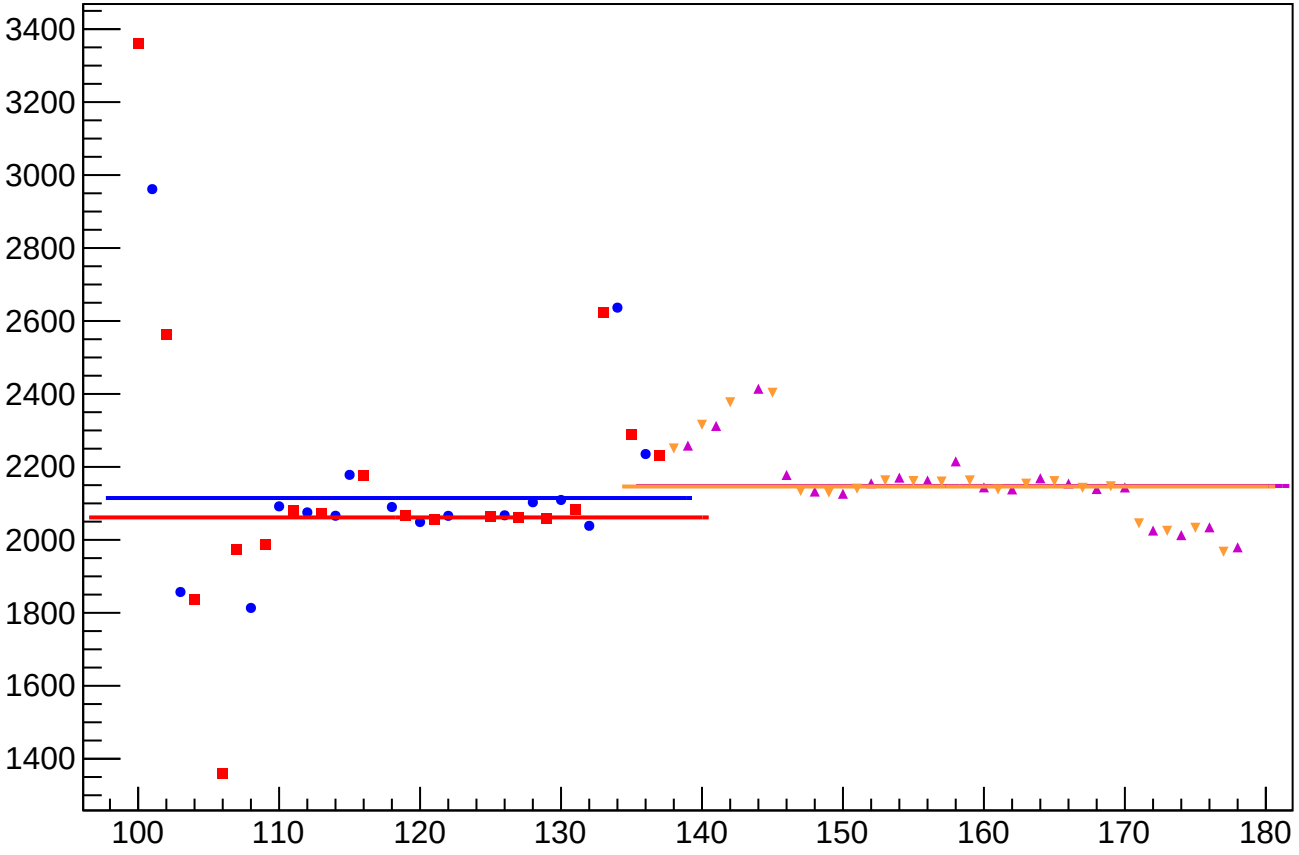
Left In: 558.116+/-531.803 χ^2/NDF:11.4/19

\+ sign -852.485+/-445.877 χ^2/NDF: 38.0/35

All: -292.342+/-312.781 χ^2/NDF: 66.3/73

\- sign 250.370+/-438.884 χ^2/NDF: 25.2/37

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2146.288+/-0.381 χ^2/NDF:67903.8/19

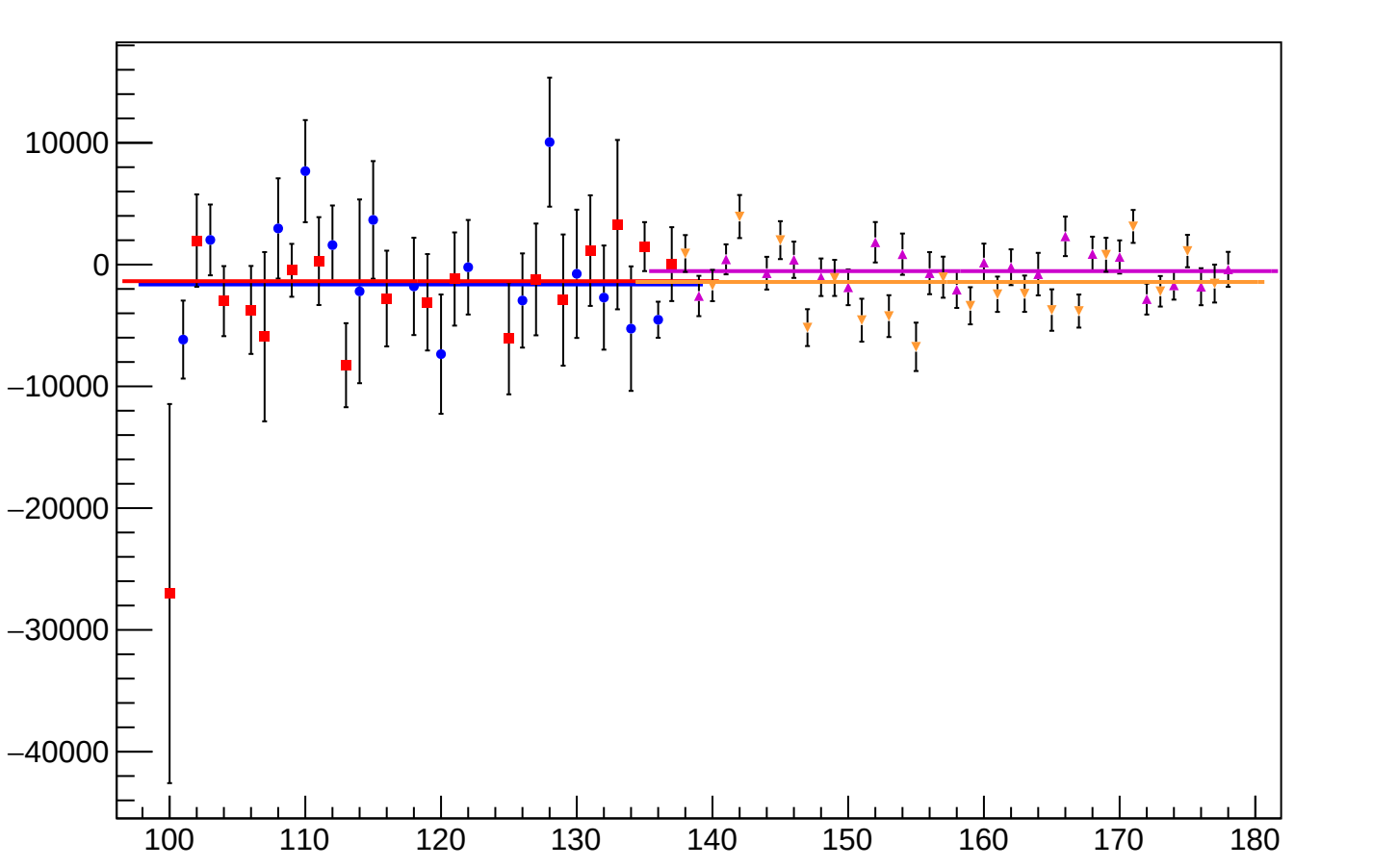
Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2147.782+/-0.376 χ^2/NDF:66894.1/19

+ sign 2136.298+/-0.315 χ^2/NDF: 259989.5/35

All: 2128.164+/-0.221 χ^2/NDF: 594147.2/73

- sign 2120.284+/-0.310 χ^2/NDF: 332847.3/37



Right In: -1630.474+/-862.417 χ^2/NDF: 22.9/15

Left Out: -1424.905+/-336.172 χ^2/NDF:61.3/19

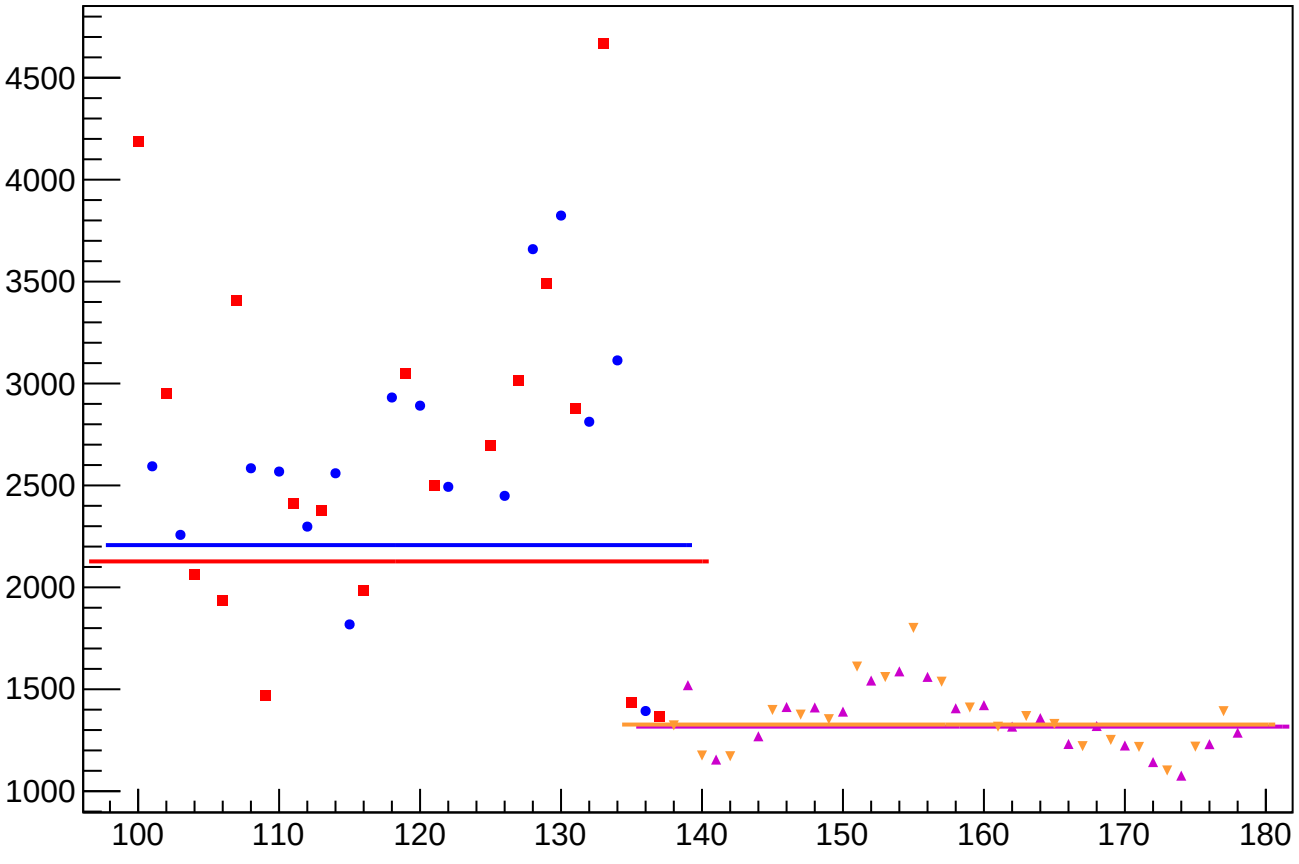
Right Out: -1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: -535.513+/-328.260 χ^2/NDF:17.3/19

+ sign -1452.020+/-313.217 χ^2/NDF: 84.2/35

All: -1038.739+/-218.795 χ^2/NDF: 119.1/73

- sign -644.892+/-305.764 χ^2/NDF: 31.6/37



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1326.936+/-0.238 χ^2/NDF:404266.5/19

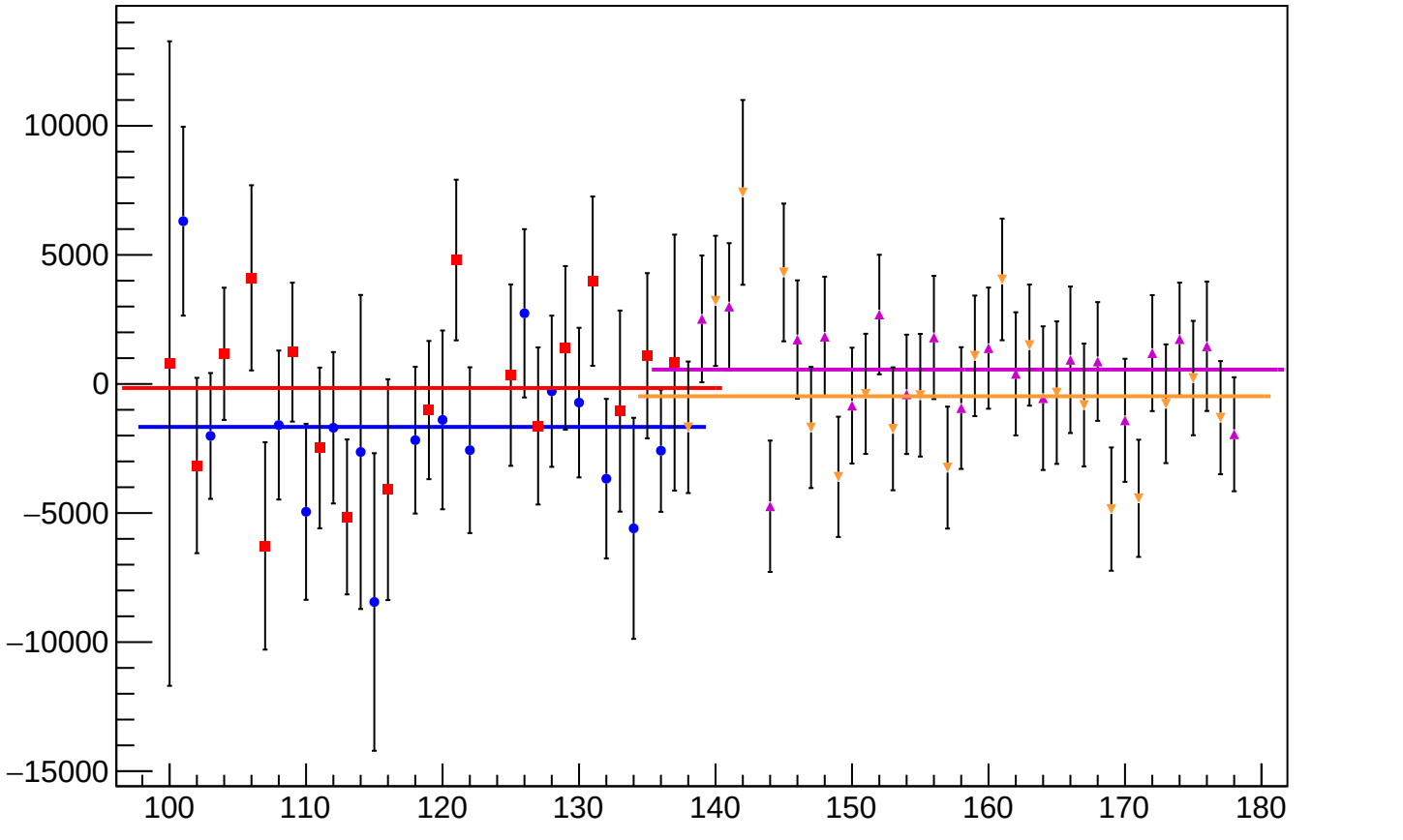
Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1316.726+/-0.232 χ^2/NDF:377073.1/19

+ sign 1443.053+/-0.221 χ^2/NDF: 3462547.3/35

All: 1433.302+/-0.155 χ^2/NDF: 6915365.9/73

- sign 1424.010+/-0.216 χ^2/NDF: 3449032.9/37



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: -475.939+/-539.441 χ^2/NDF:25.7/19

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

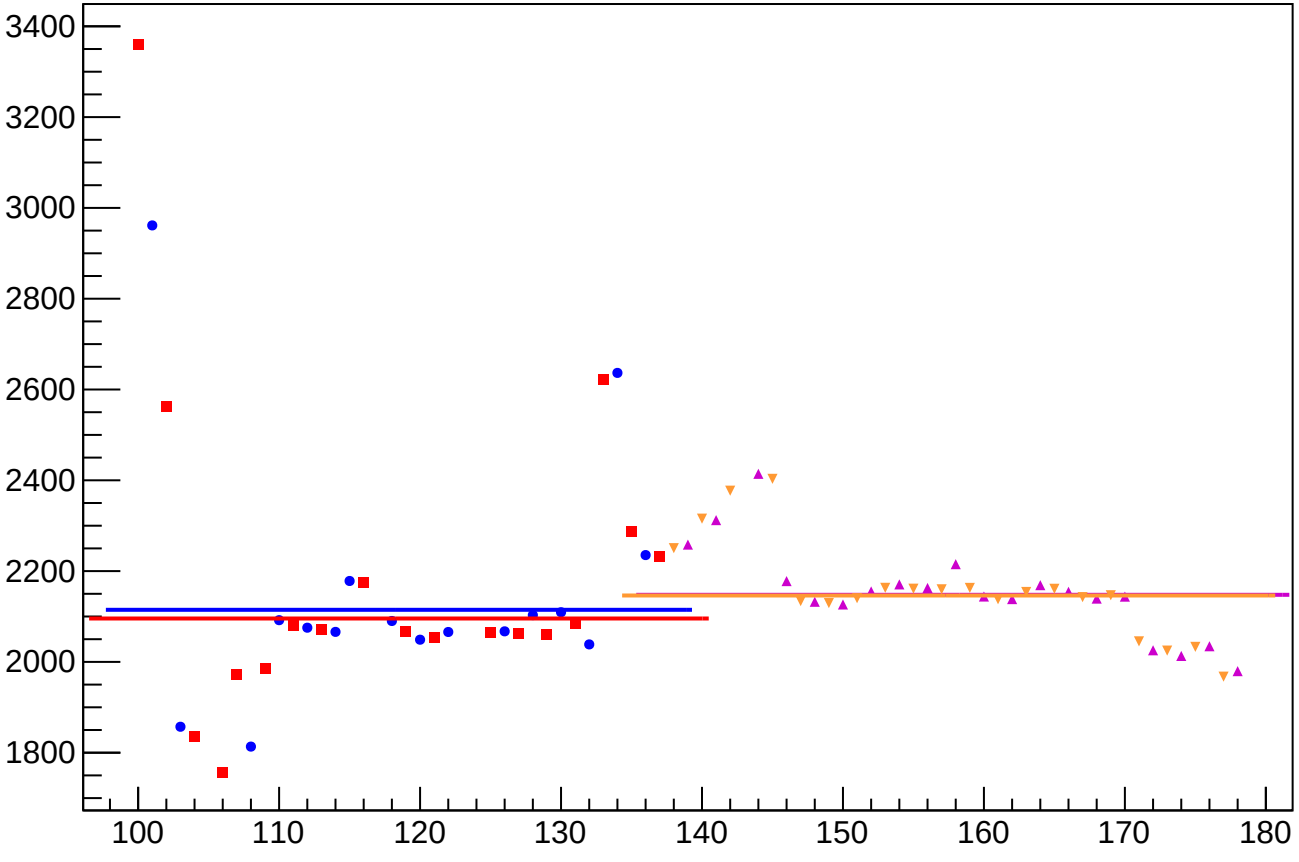
Left In: 558.010+/-531.803 χ^2/NDF:11.4/19

+ sign -852.403+/-445.877 χ^2/NDF: 38.0/35

All: -251.998+/-313.316 χ^2/NDF: 67.8/73

- sign 333.661+/-440.367 χ^2/NDF: 26.2/37

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2146.288+/-0.381 χ^2/NDF:67903.8/19

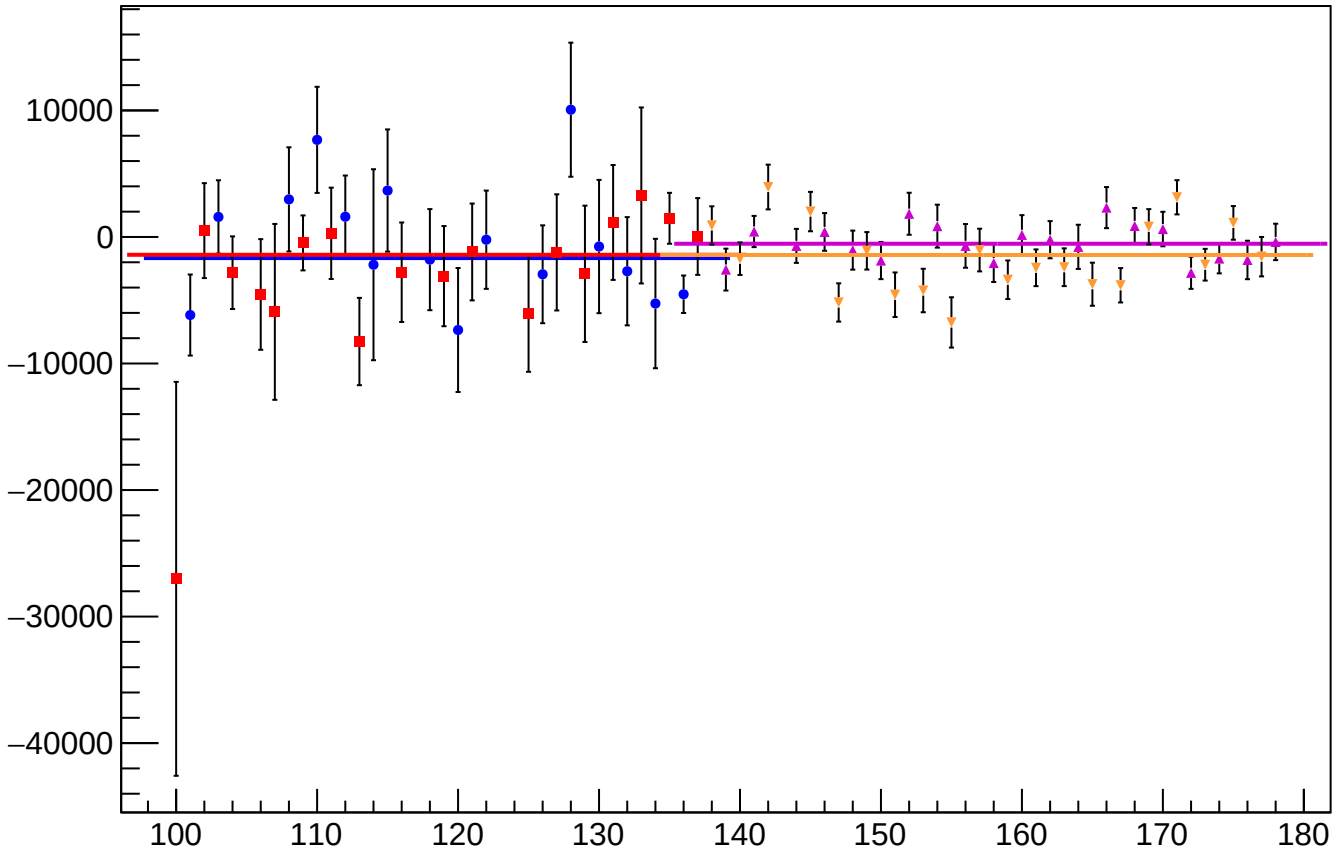
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2147.782+/-0.376 χ^2/NDF:66894.1/19

+ sign 2136.298+/-0.315 χ^2/NDF: 259989.8/35

All: 2133.808+/-0.222 χ^2/NDF: 482420.7/73

- sign 2131.379+/-0.311 χ^2/NDF: 222307.7/37



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -1424.955+/-336.174 χ^2/NDF:61.3/19

Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

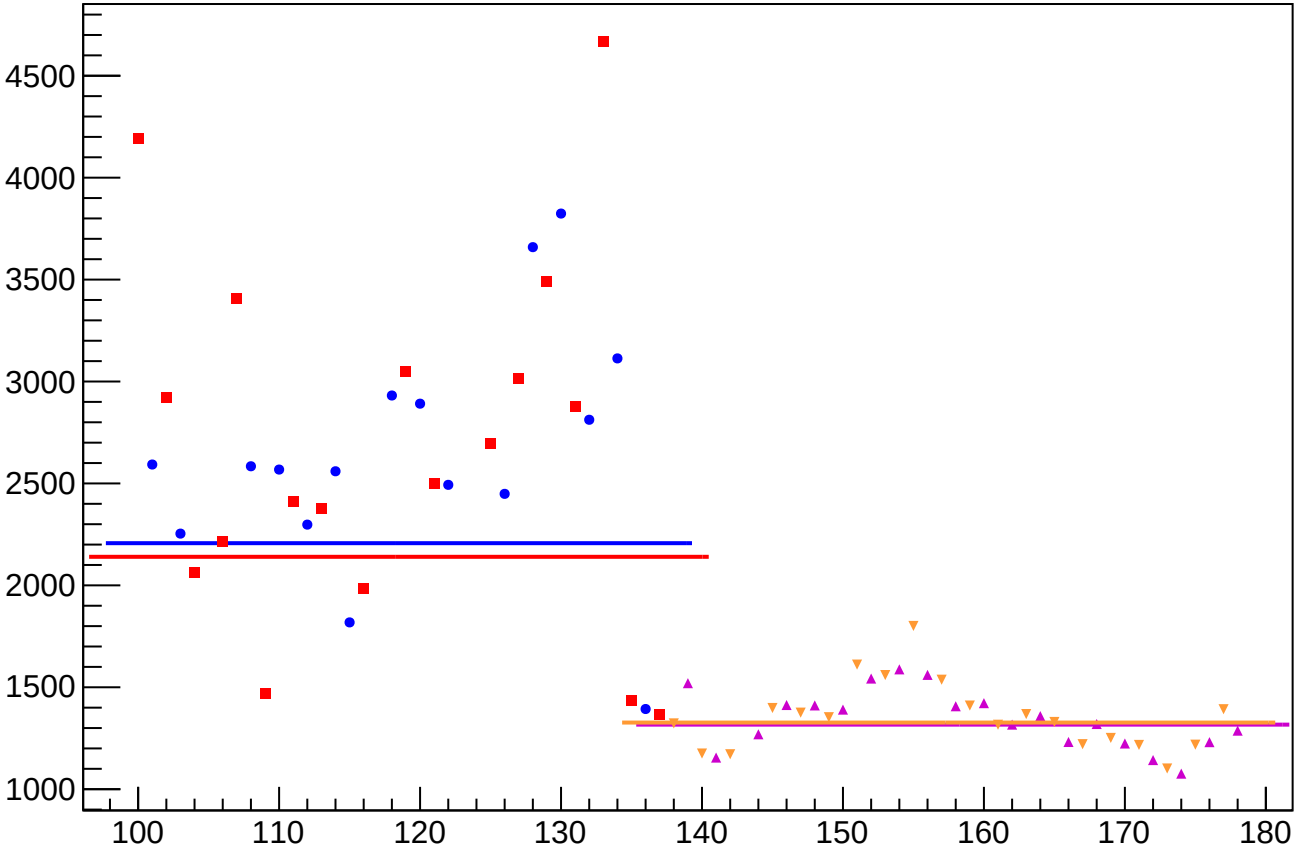
Left In: -535.432+/-328.261 χ^2/NDF:17.3/19

+ sign -1457.097+/-313.205 χ^2/NDF: 83.8/35

All: -1043.937+/-218.907 χ^2/NDF: 118.4/73

- sign -649.358+/-306.081 χ^2/NDF: 31.2/37

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs Slug



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1326.946+/-0.238 χ^2/NDF:404212.6/19

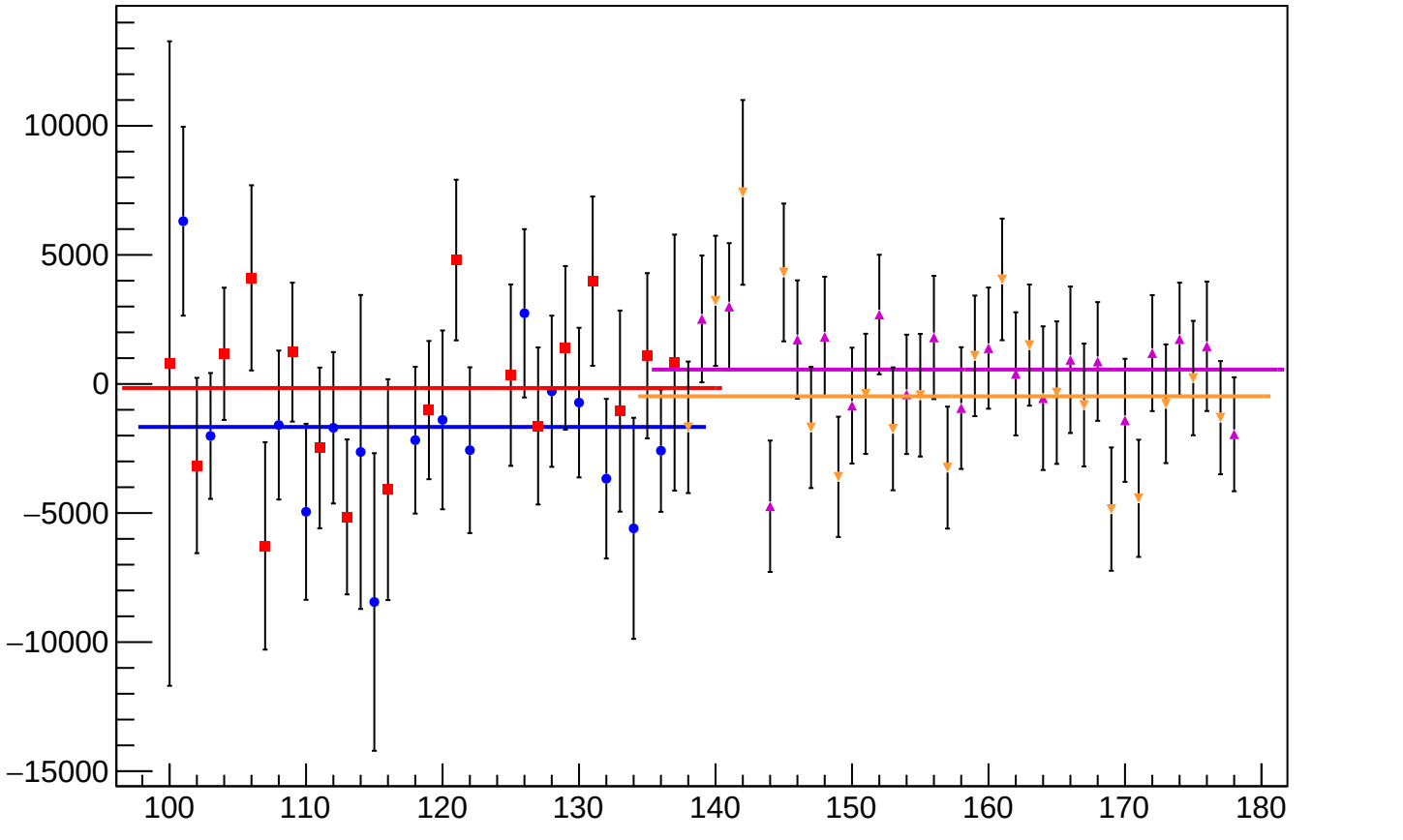
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1316.726+/-0.232 χ^2/NDF:377098.6/19

+ sign 1443.086+/-0.221 χ^2/NDF: 3461889.8/35

All: 1433.440+/-0.155 χ^2/NDF: 6933847.5/73

- sign 1424.227+/-0.216 χ^2/NDF: 3468248.6/37



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: -475.939+/-539.441 χ^2/NDF:25.7/19

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

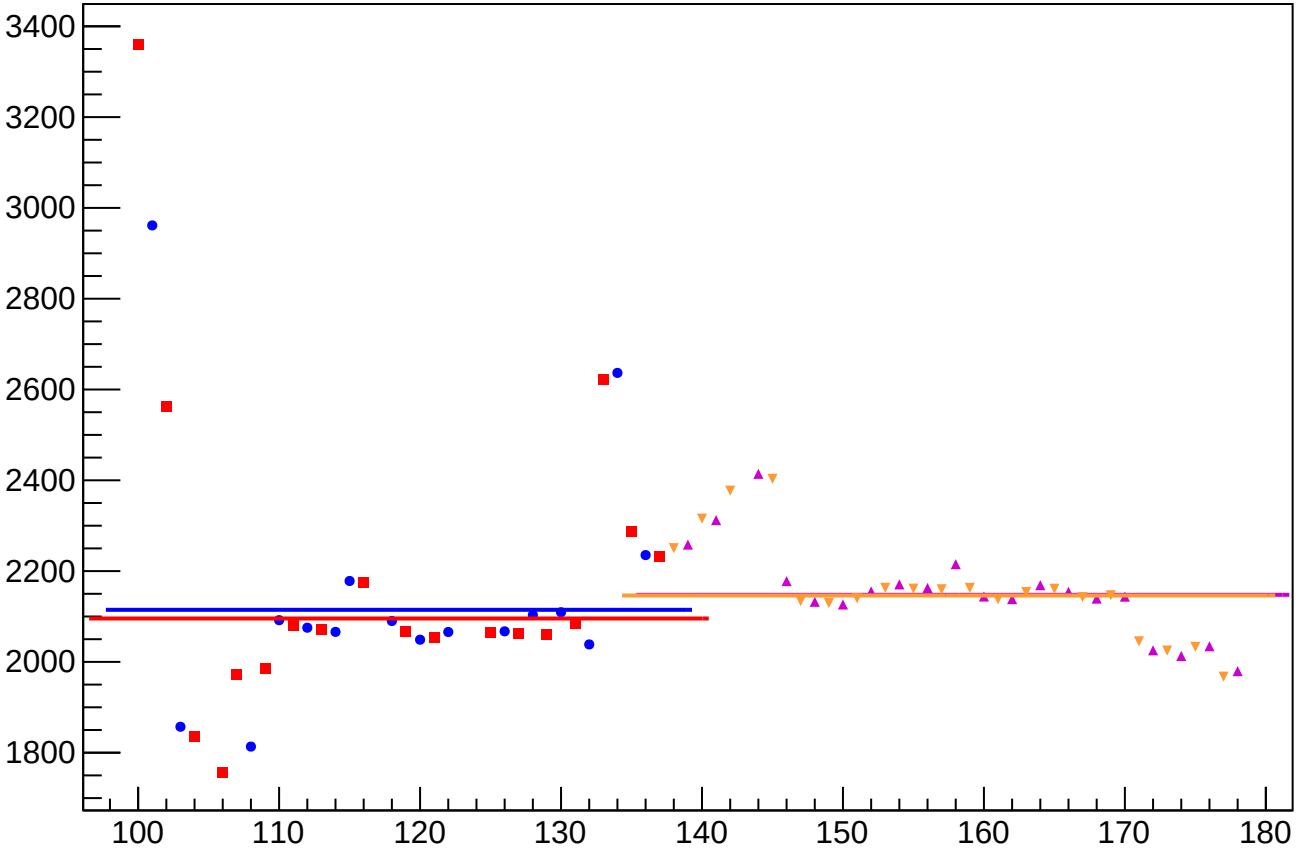
Left In: 558.010+/-531.803 χ^2/NDF:11.4/19

\+ sign -852.403+/-445.877 χ^2/NDF: 38.0/35

All: -251.998+/-313.316 χ^2/NDF: 67.8/73

\- sign 333.661+/-440.367 χ^2/NDF: 26.2/37

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: 2146.288+/-0.381 χ^2/NDF:67903.8/19

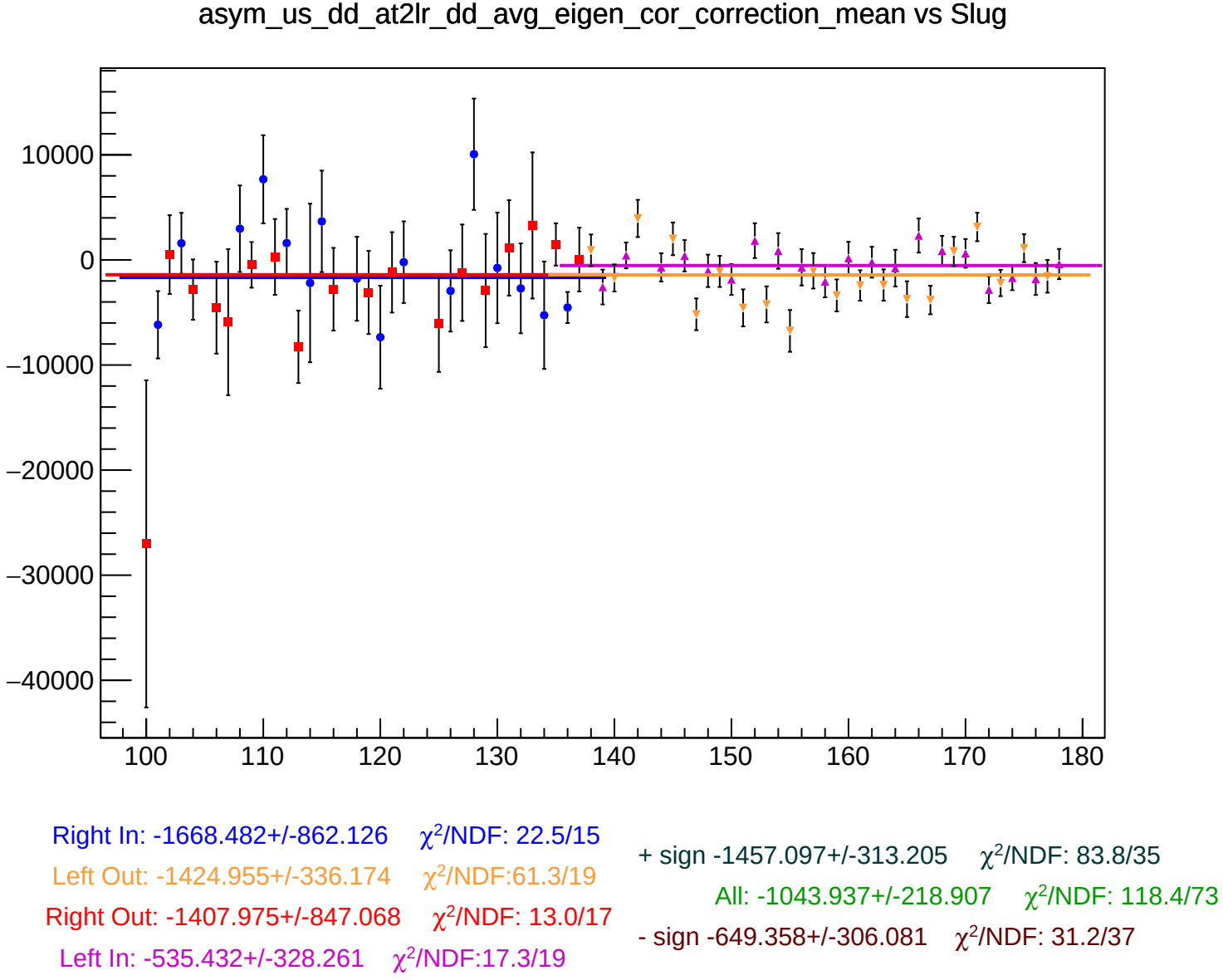
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2147.782+/-0.376 χ^2/NDF:66894.1/19

+ sign 2136.298+/-0.315 χ^2/NDF: 259989.8/35

All: 2133.808+/-0.222 χ^2/NDF: 482420.7/73

- sign 2131.379+/-0.311 χ^2/NDF: 222307.7/37


asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug
10000
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−30000
−40000
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110
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130
140
150
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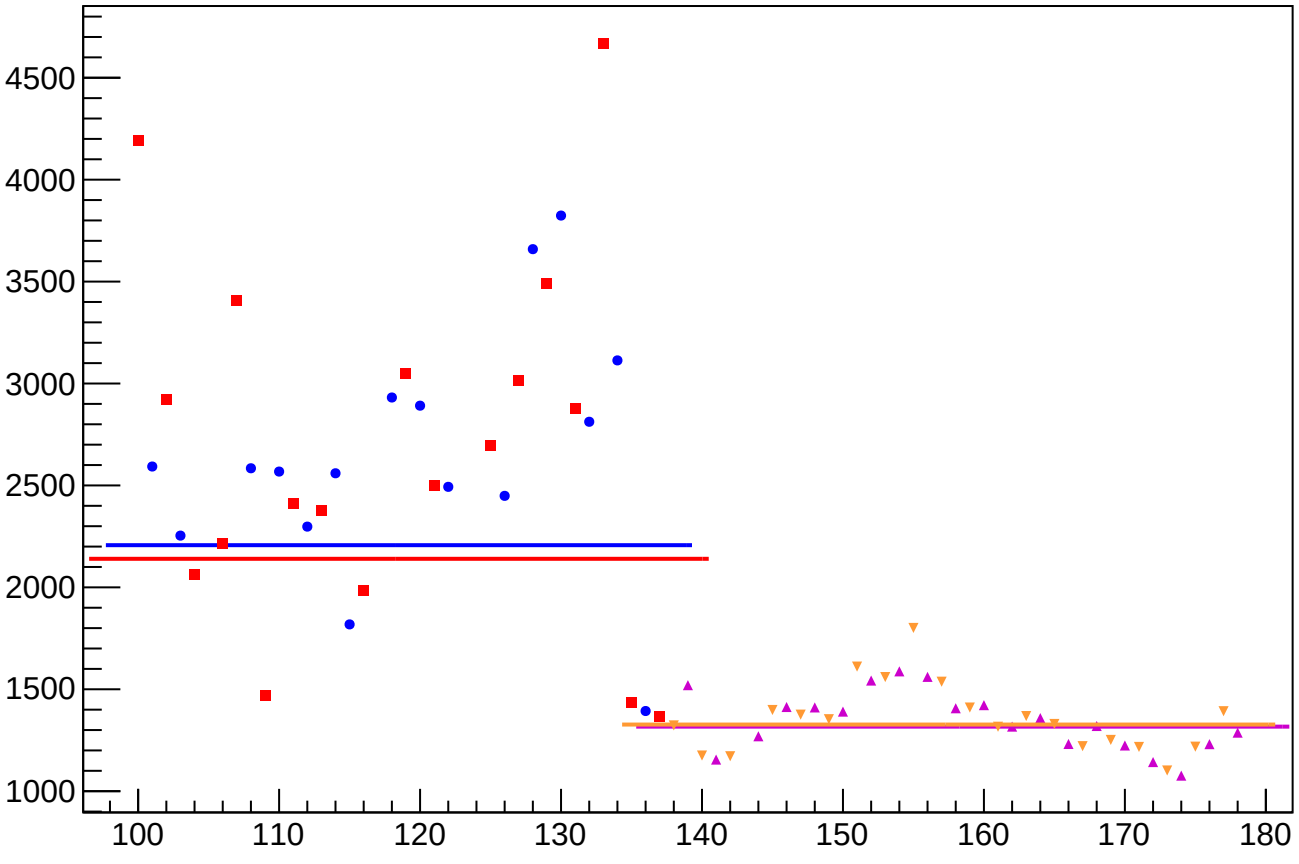
170
180
Right In: -1668.482+/-862.126 χ²/NDF: 22.5/15
Left Out: -1424.955+/-336.174 χ²/NDF:61.3/19
Right Out: -1407.975+/-847.068 χ²/NDF: 13.0/17
Left In: -535.432+/-328.261 χ²/NDF:17.3/19
+ sign -1457.097+/-313.205 χ²/NDF: 83.8/35
All: -1043.937+/-218.907 χ²/NDF: 118.4/73
- sign -649.358+/-306.081 χ²/NDF: 31.2/37



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1326.946+/-0.238 χ^2/NDF:404212.6/19

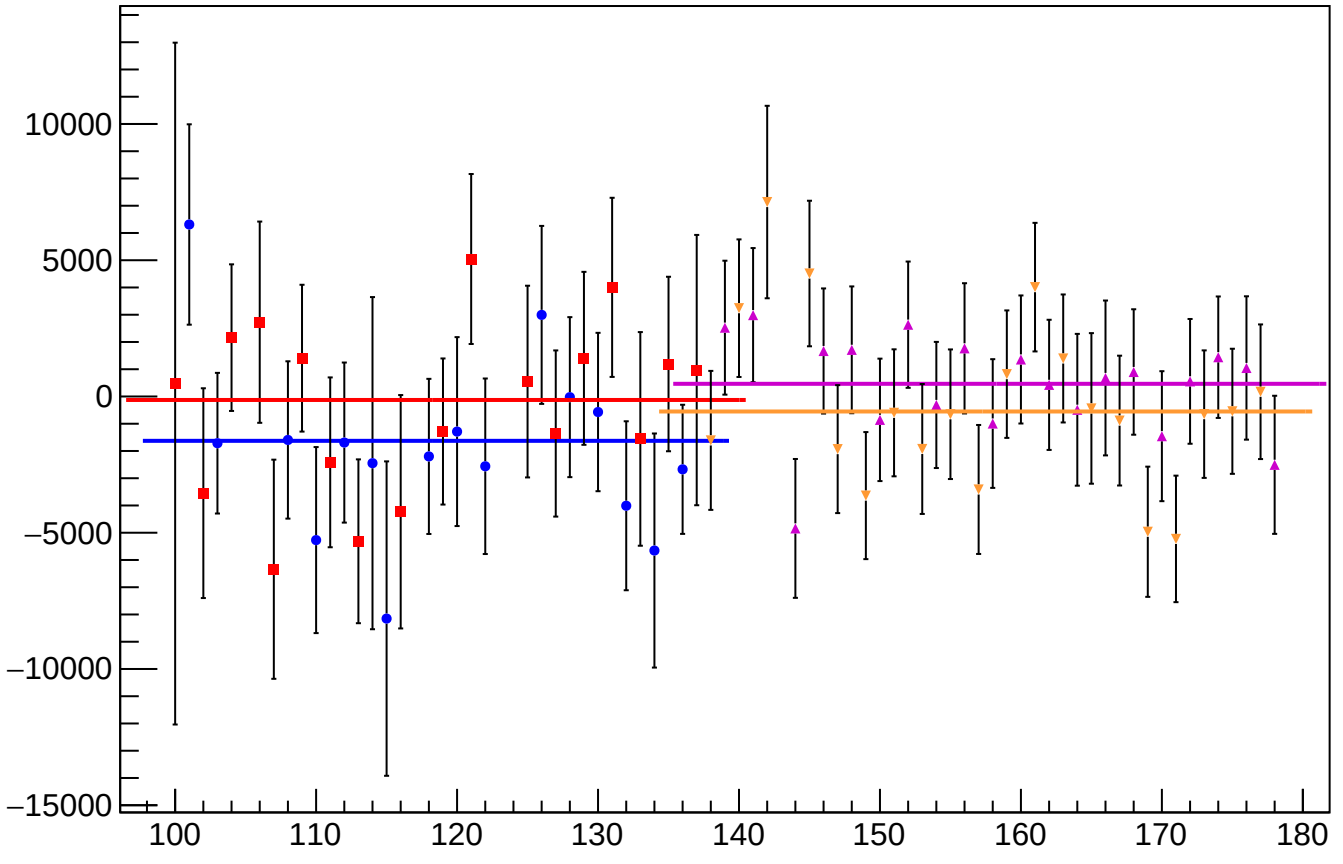
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1316.726+/-0.232 χ^2/NDF:377098.6/19

+ sign 1443.086+/-0.221 χ^2/NDF: 3461889.8/35

All: 1433.440+/-0.155 χ^2/NDF: 6933847.5/73

- sign 1424.227+/-0.216 χ^2/NDF: 3468248.6/37



Right In: -1627.635+/-797.966 χ^2/NDF: 11.3/15

Left Out: -550.743+/-545.546 χ^2/NDF:27.0/19

Right Out: -128.099+/-795.899 χ^2/NDF: 14.6/17

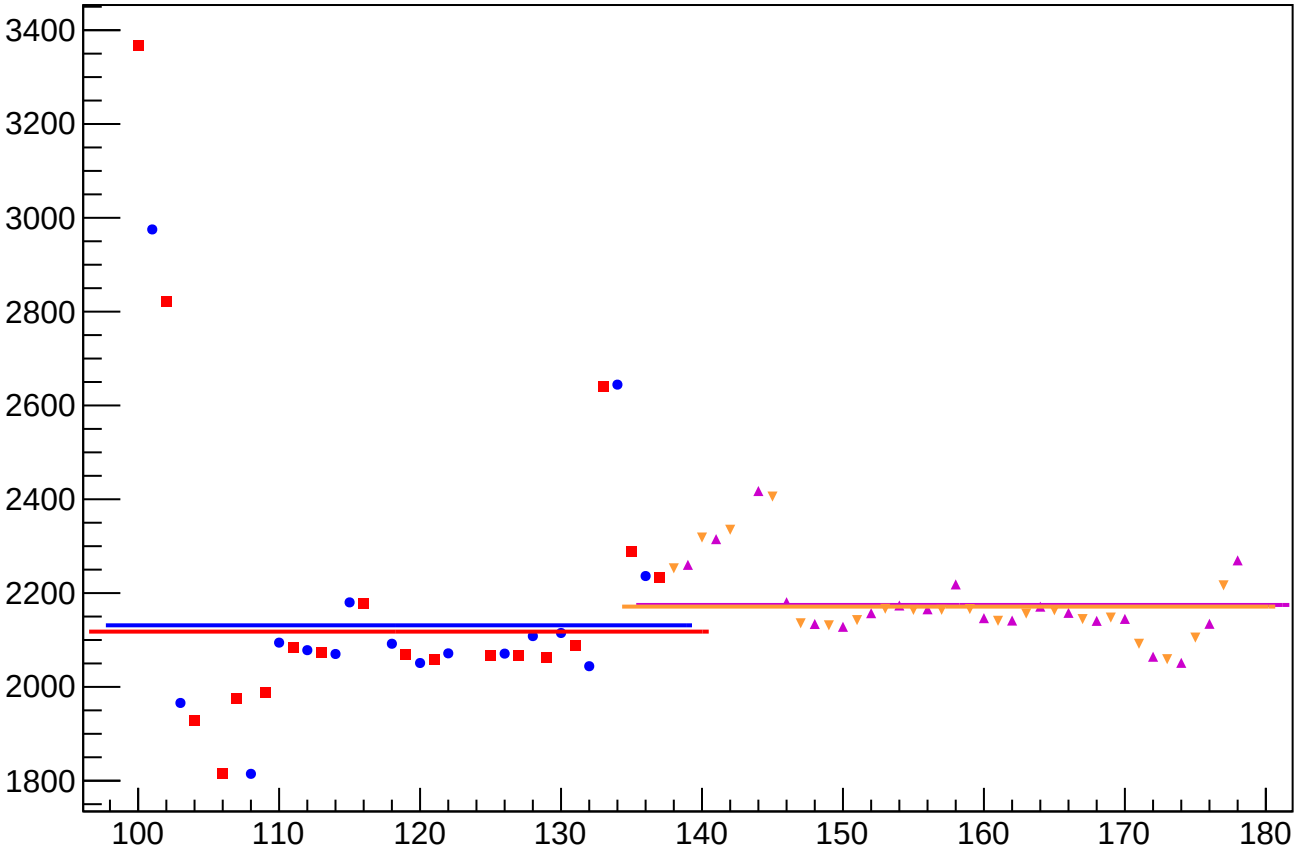
Left In: 464.883+/-538.316 χ^2/NDF:11.2/19

+ sign -893.759+/-450.356 χ^2/NDF: 39.6/35

All: -301.672+/-316.863 χ^2/NDF: 69.2/73

- sign 278.759+/-445.901 χ^2/NDF: 26.2/37

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2171.182+/-0.386 χ^2/NDF:40101.7/19

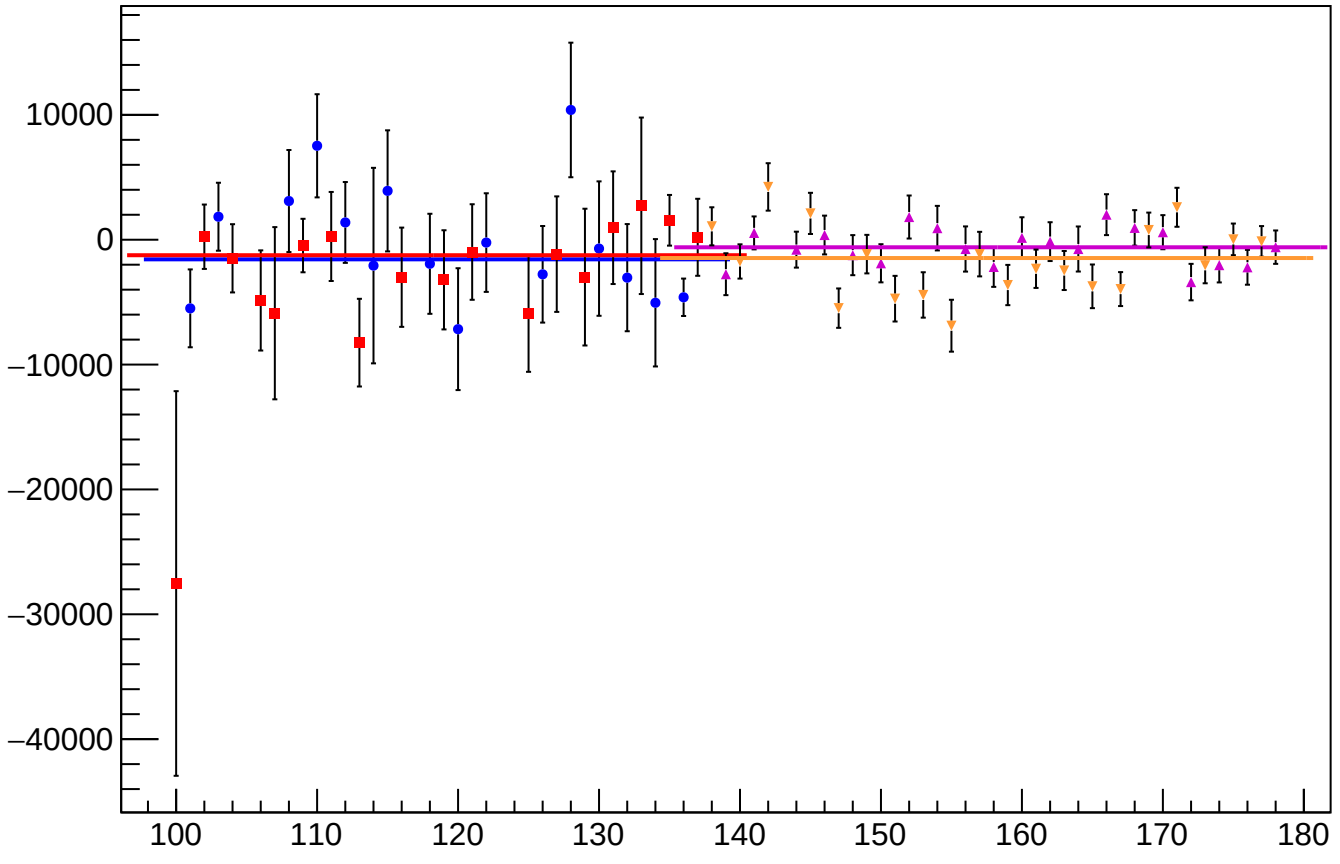
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2174.706+/-0.381 χ^2/NDF:44963.3/19

+ sign 2158.478+/-0.318 χ^2/NDF: 219450.0/35

All: 2157.664+/-0.224 χ^2/NDF: 435047.5/73

- sign 2156.866+/-0.315 χ^2/NDF: 215584.6/37



Right In: -1571.073+/-859.754 χ^2/NDF: 22.6/15

Left Out: -1466.465+/-346.005 χ^2/NDF:55.3/19

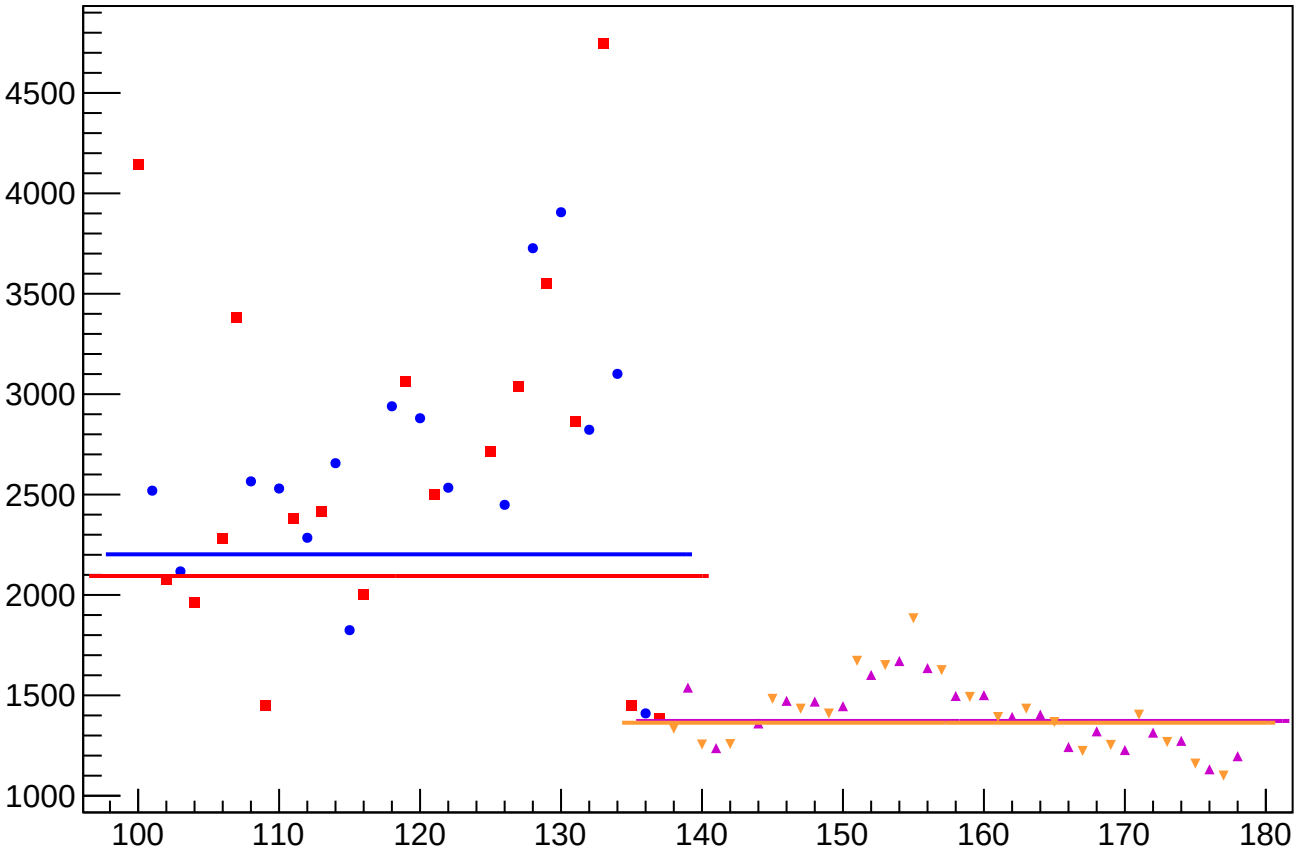
Right Out: -1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: -605.196+/-342.025 χ^2/NDF:18.2/19

+ sign -1481.046+/-320.986 χ^2/NDF: 77.9/35

All: -1083.708+/-225.063 χ^2/NDF: 112.8/73

- sign -699.463+/-315.654 χ^2/NDF: 31.8/37



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1363.625+/-0.245 χ^2/NDF:515920.9/19

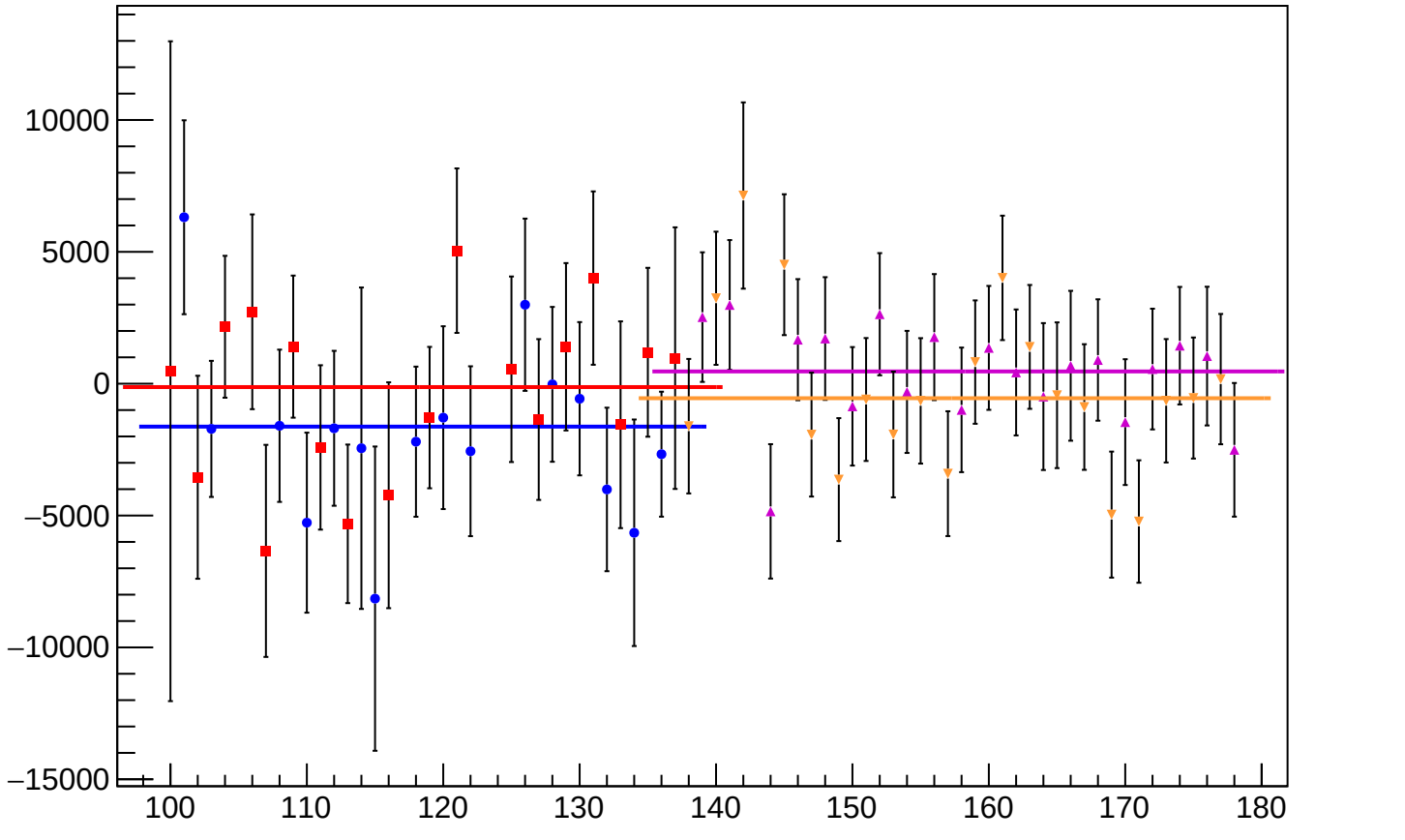
Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1372.511+/-0.242 χ^2/NDF:365041.1/19

+ sign 1480.537+/-0.227 χ^2/NDF: 3377052.9/35

All: 1480.033+/-0.159 χ^2/NDF: 6436898.6/73

- sign 1479.547+/-0.223 χ^2/NDF: 3059836.0/37



Right In: -1627.637+/-797.966 χ^2/NDF: 11.3/15

Left Out: -550.740+/-545.546 χ^2/NDF:27.0/19

Right Out: -128.093+/-795.899 χ^2/NDF: 14.6/17

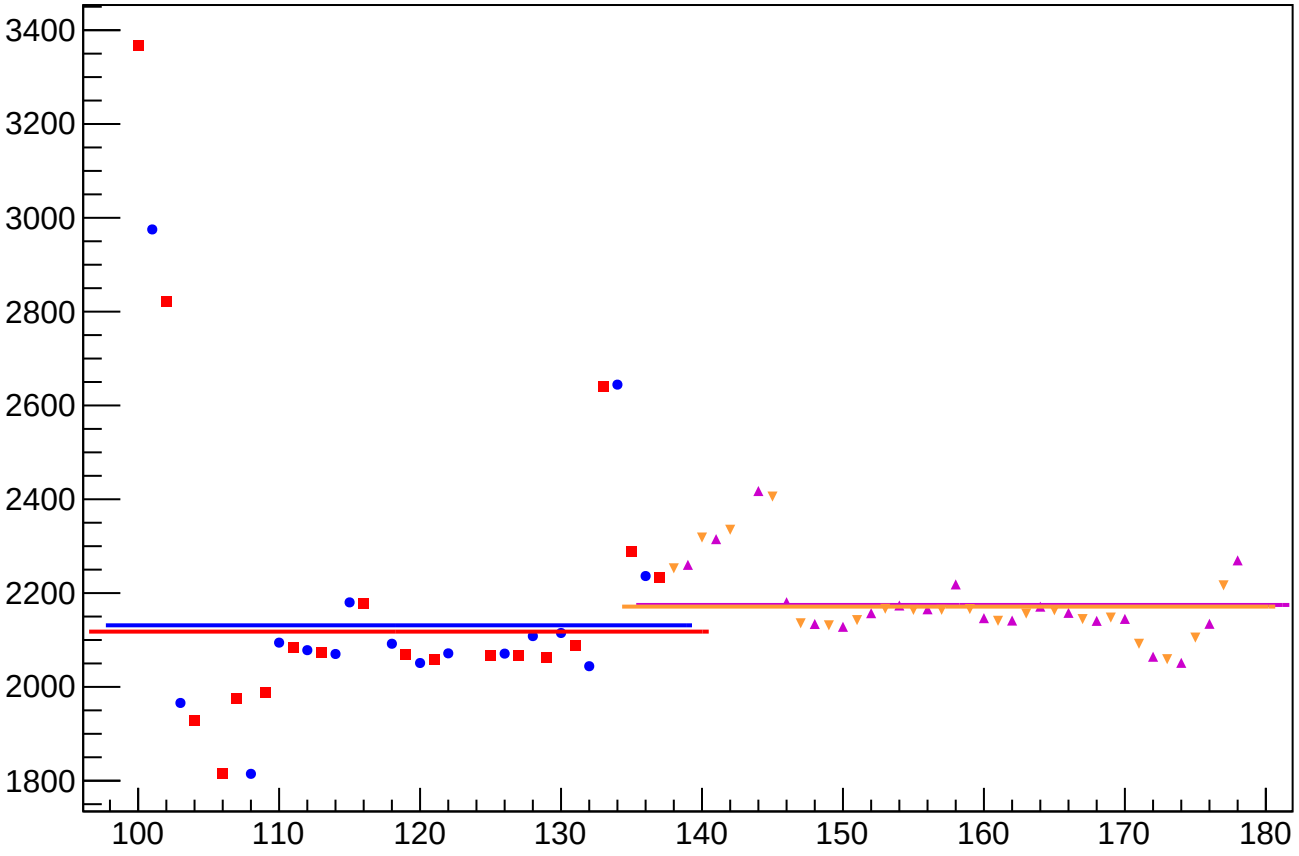
Left In: 464.884+/-538.316 χ^2/NDF:11.2/19

+ sign -893.758+/-450.356 χ^2/NDF: 39.6/35

All: -301.670+/-316.863 χ^2/NDF: 69.2/73

- sign 278.761+/-445.901 χ^2/NDF: 26.2/37

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: 2171.182+/-0.386 χ^2/NDF:40101.9/19

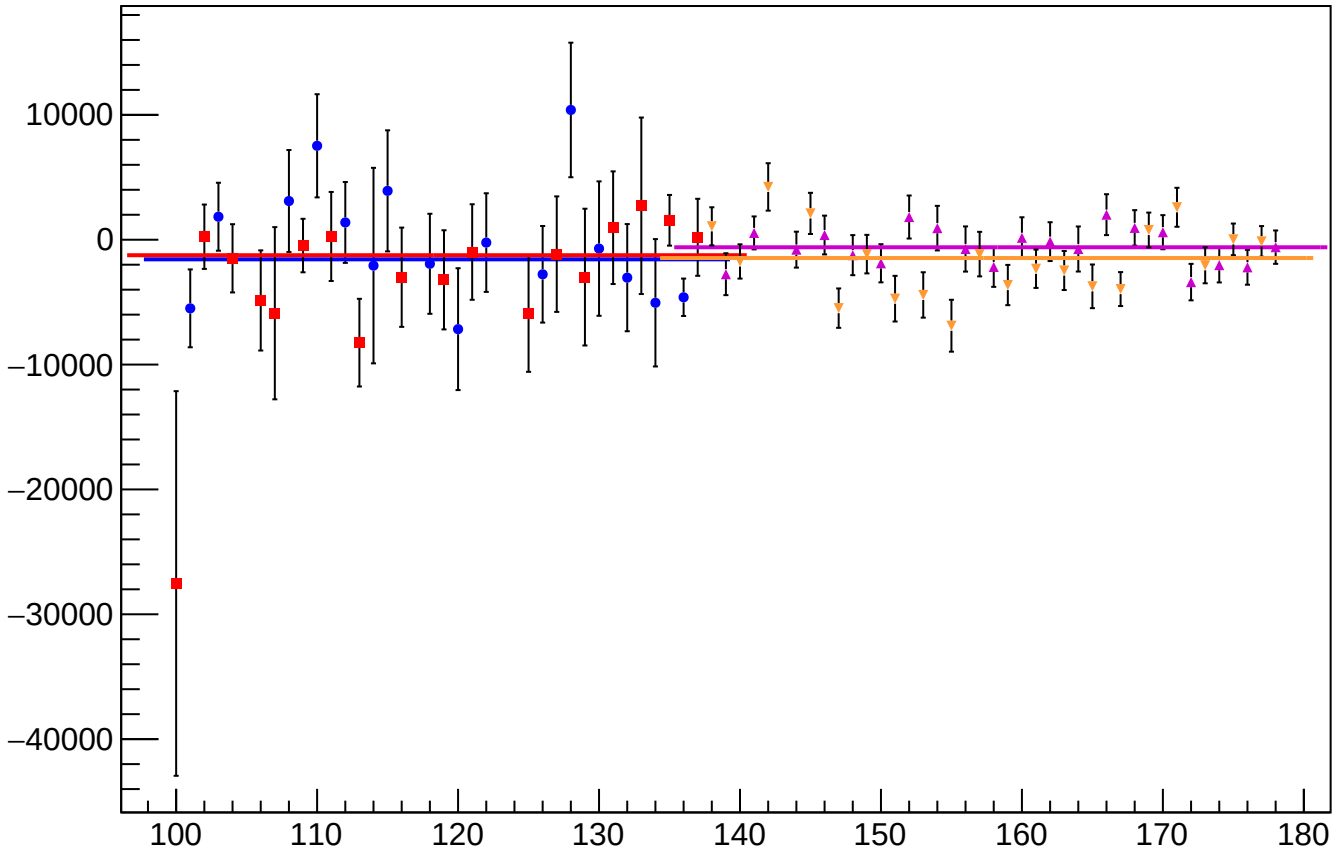
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2174.706+/-0.381 χ^2/NDF:44963.2/19

+ sign 2158.478+/-0.318 χ^2/NDF: 219450.1/35

All: 2157.664+/-0.224 χ^2/NDF: 435047.5/73

- sign 2156.866+/-0.315 χ^2/NDF: 215584.4/37



Right In: -1571.058+/-859.757 χ^2/NDF: 22.6/15

Left Out: -1466.468+/-346.005 χ^2/NDF:55.3/19

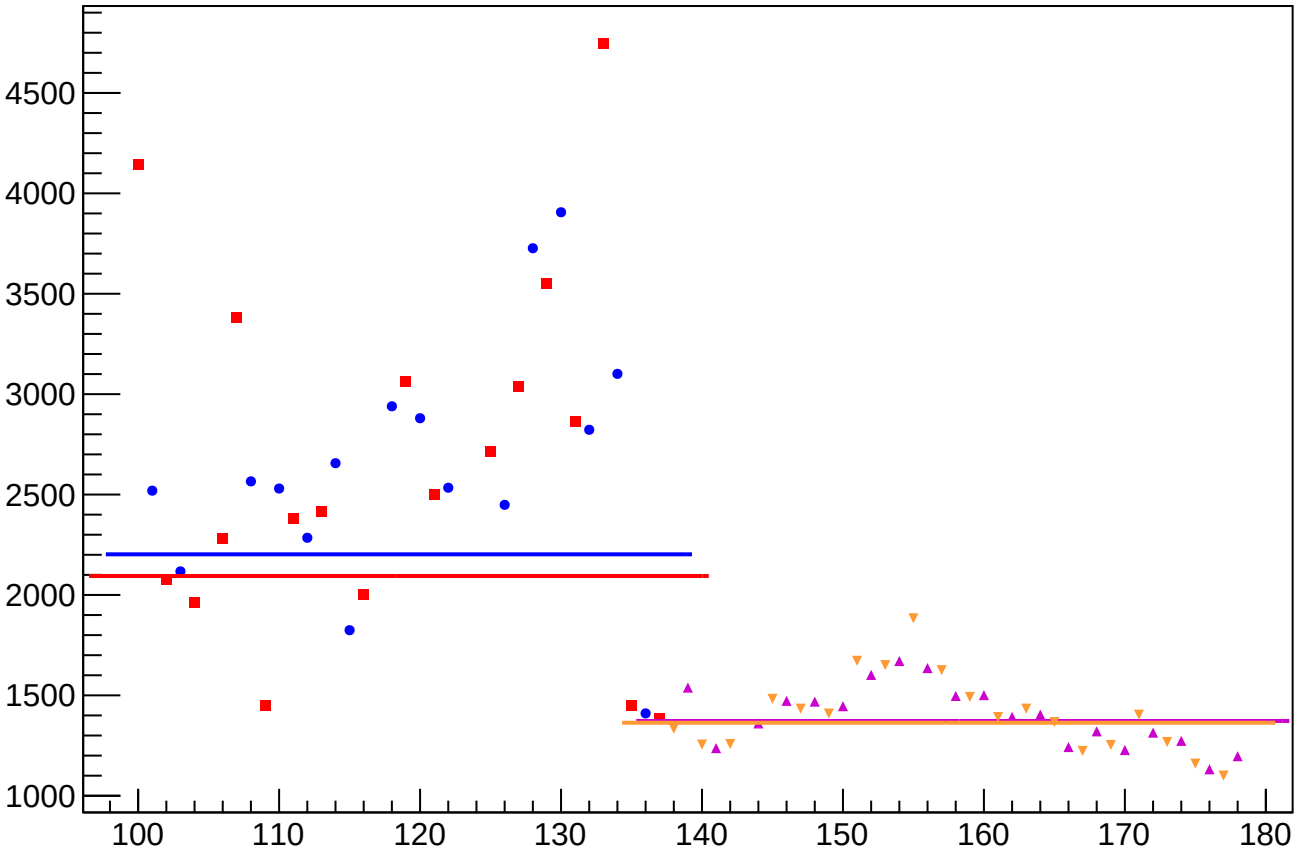
Right Out: -1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: -605.192+/-342.025 χ^2/NDF:18.2/19

+ sign -1481.046+/-320.987 χ^2/NDF: 77.9/35

All: -1083.707+/-225.063 χ^2/NDF: 112.8/73

- sign -699.462+/-315.654 χ^2/NDF: 31.8/37



Right In: 2202.391+/-0.608 χ^2/NDF: 1222905.3/15

Left Out: 1363.625+/-0.245 χ^2/NDF:515916.4/19

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

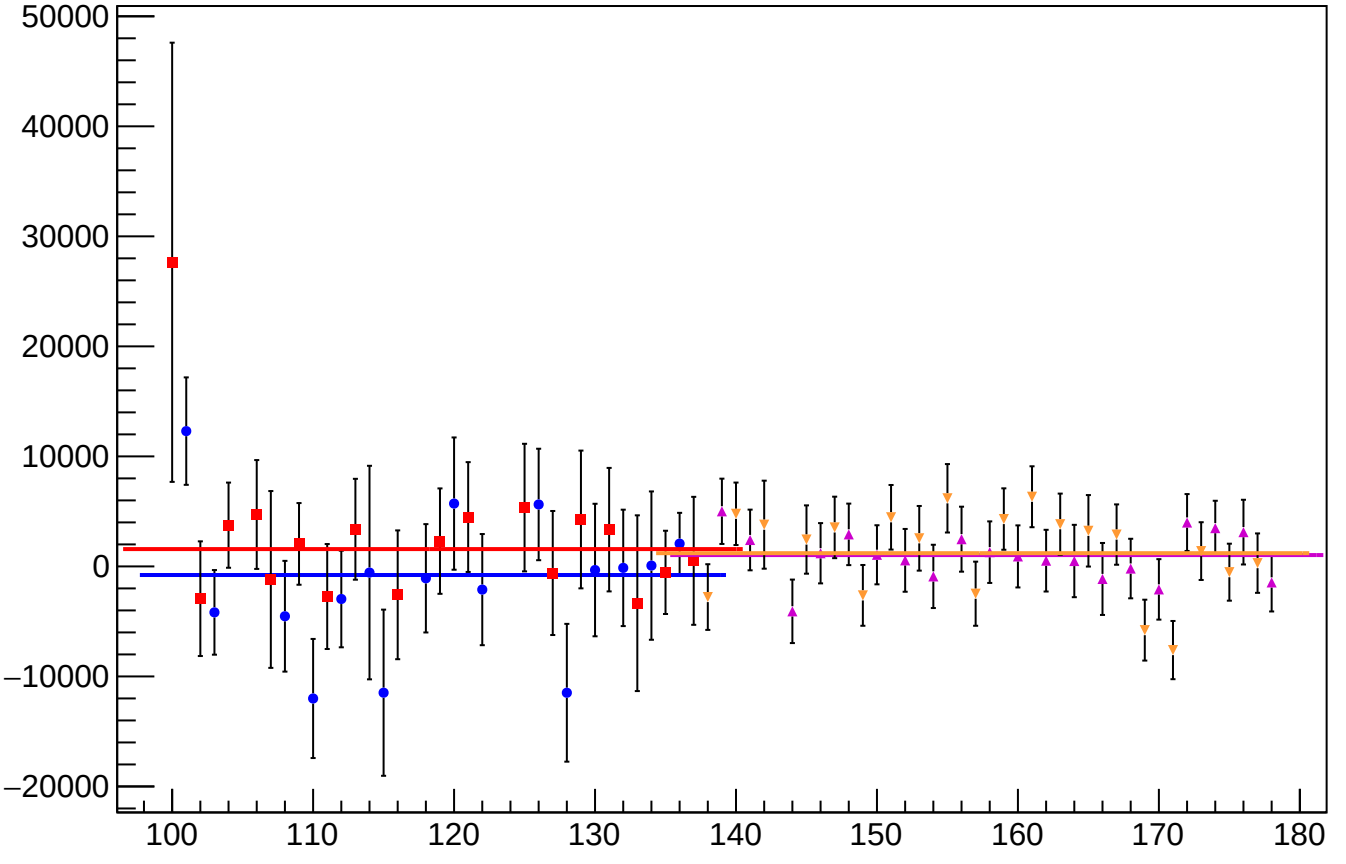
Left In: 1372.509+/-0.242 χ^2/NDF:365048.4/19

+ sign 1480.538+/-0.227 χ^2/NDF: 3377025.6/35

All: 1480.034+/-0.159 χ^2/NDF: 6436871.8/73

- sign 1479.547+/-0.223 χ^2/NDF: 3059836.5/37

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 1202.649+/-640.819 χ^2/NDF:36.6/19

Right Out: 1574.673+/-1218.961 χ^2/NDF: 6.7/17

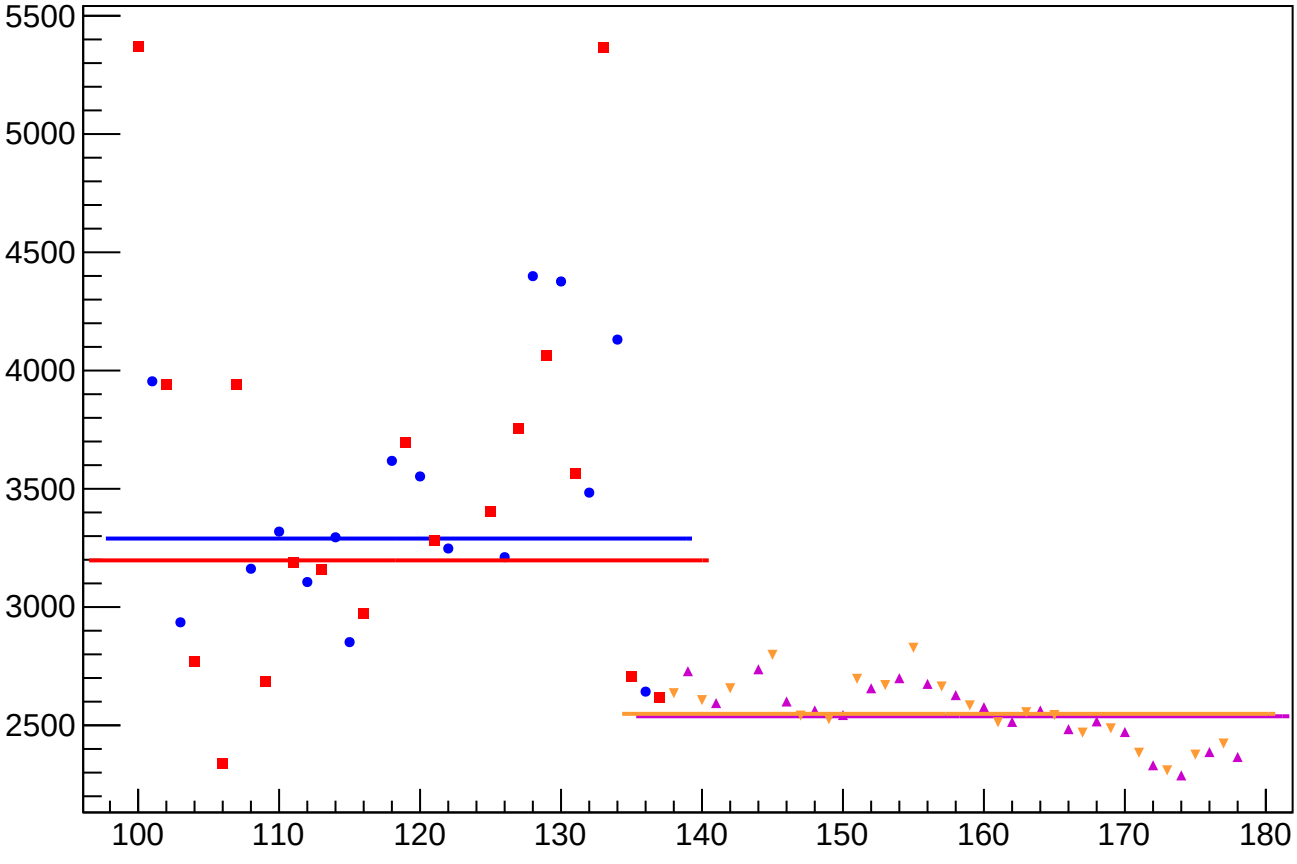
Left In: 1030.891+/-628.742 χ^2/NDF:12.0/19

+ sign 785.318+/-569.457 χ^2/NDF: 60.5/35

All: 968.643+/-398.841 χ^2/NDF: 79.6/73

- sign 1145.163+/-558.787 χ^2/NDF: 18.9/37

asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2548.514+/-0.453 χ^2/NDF:85690.4/19

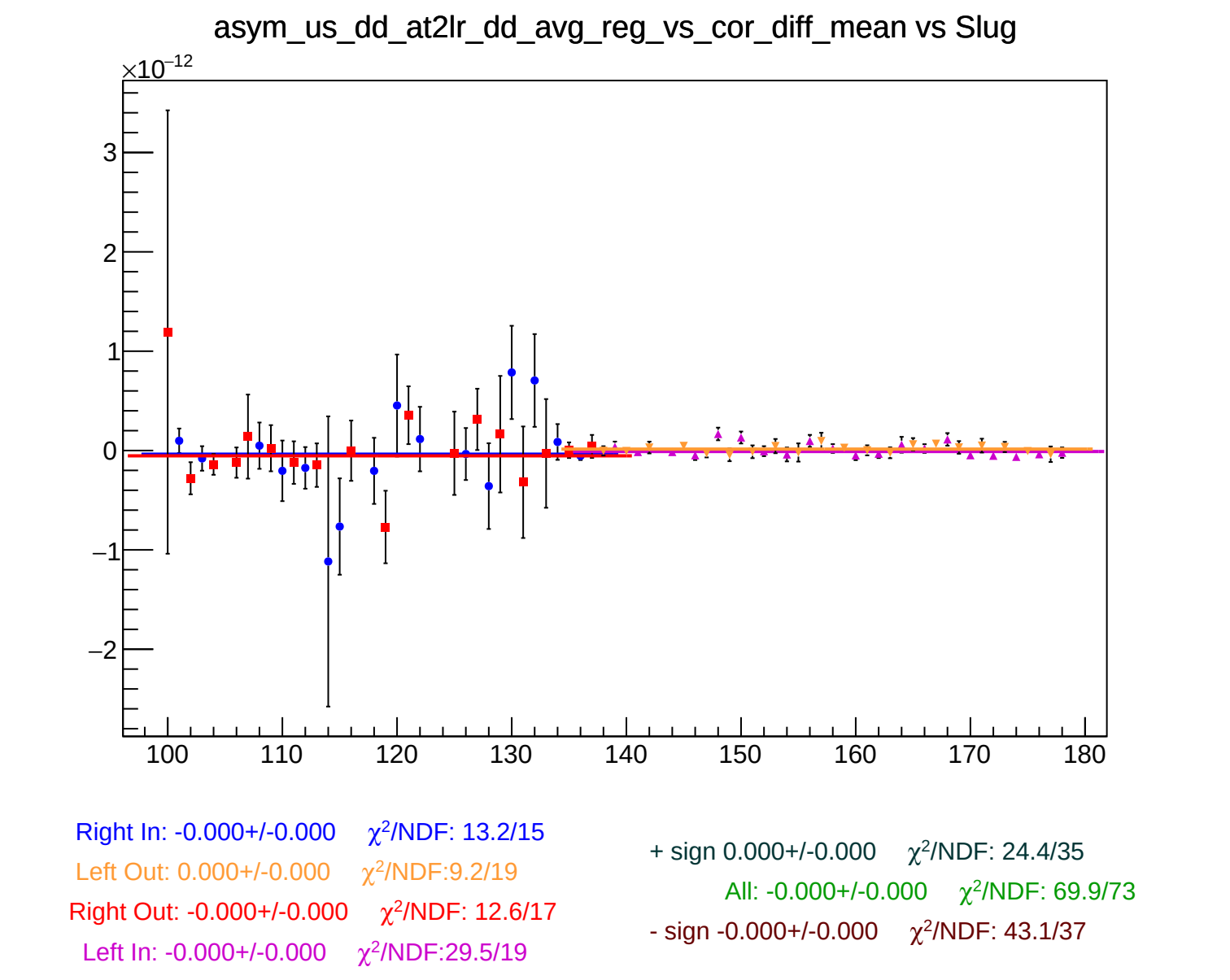
Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

Left In: 2538.217+/-0.445 χ^2/NDF:85180.4/19

+ sign 2704.398+/-0.403 χ^2/NDF: 995992.3/35

All: 2690.306+/-0.282 χ^2/NDF: 2045454.1/73

- sign 2676.737+/-0.395 χ^2/NDF: 1047057.7/37


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug
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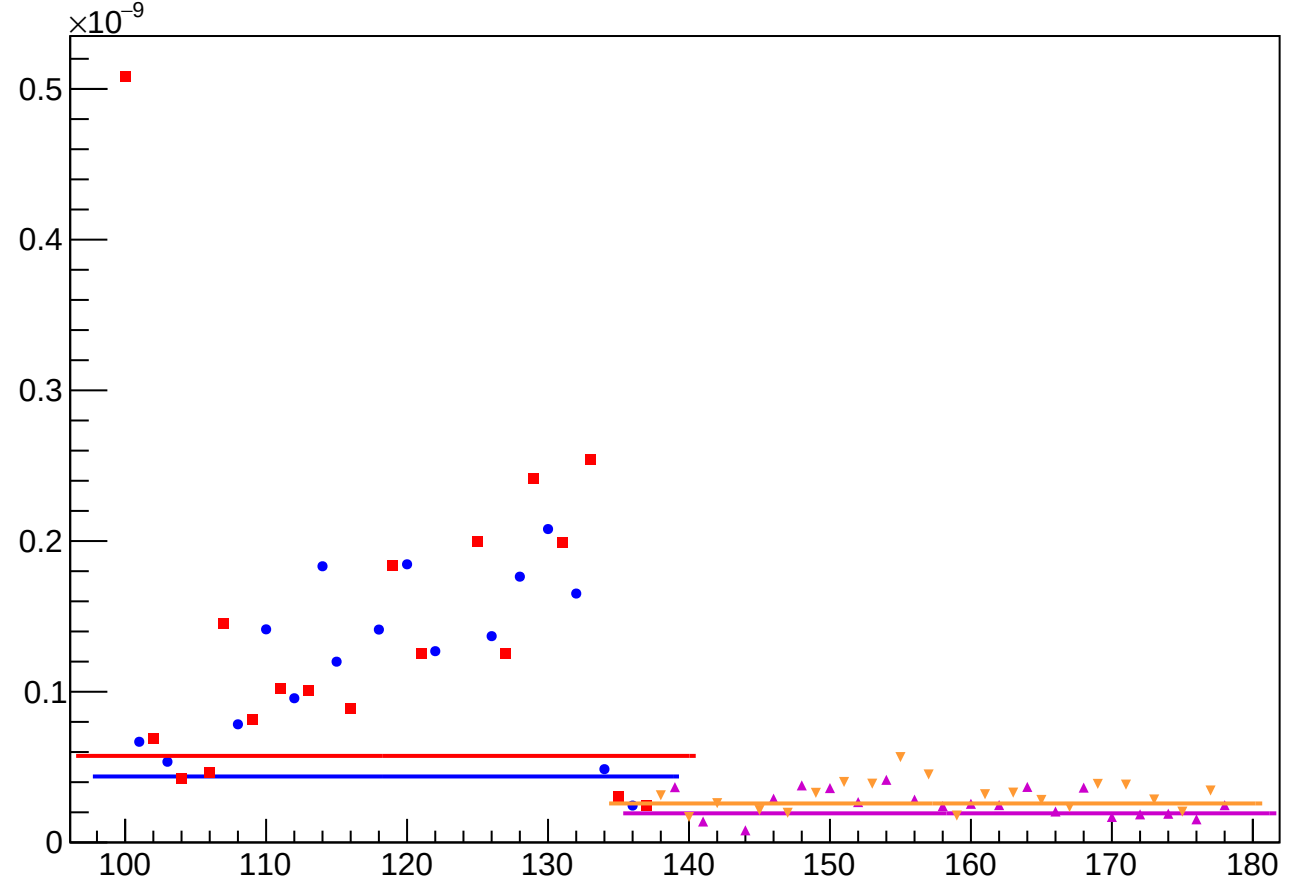
Right In: -0.000+/-0.000 χ²/NDF: 13.2/15
Left Out: 0.000+/-0.000 χ²/NDF:9.2/19
Right Out: -0.000+/-0.000 χ²/NDF: 12.6/17
Left In: -0.000+/-0.000 χ²/NDF:29.5/19
+ sign 0.000+/-0.000 χ²/NDF: 24.4/35
All: -0.000+/-0.000 χ²/NDF: 69.9/73
- sign -0.000+/-0.000 χ²/NDF: 43.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 2227887.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1208310.4/19

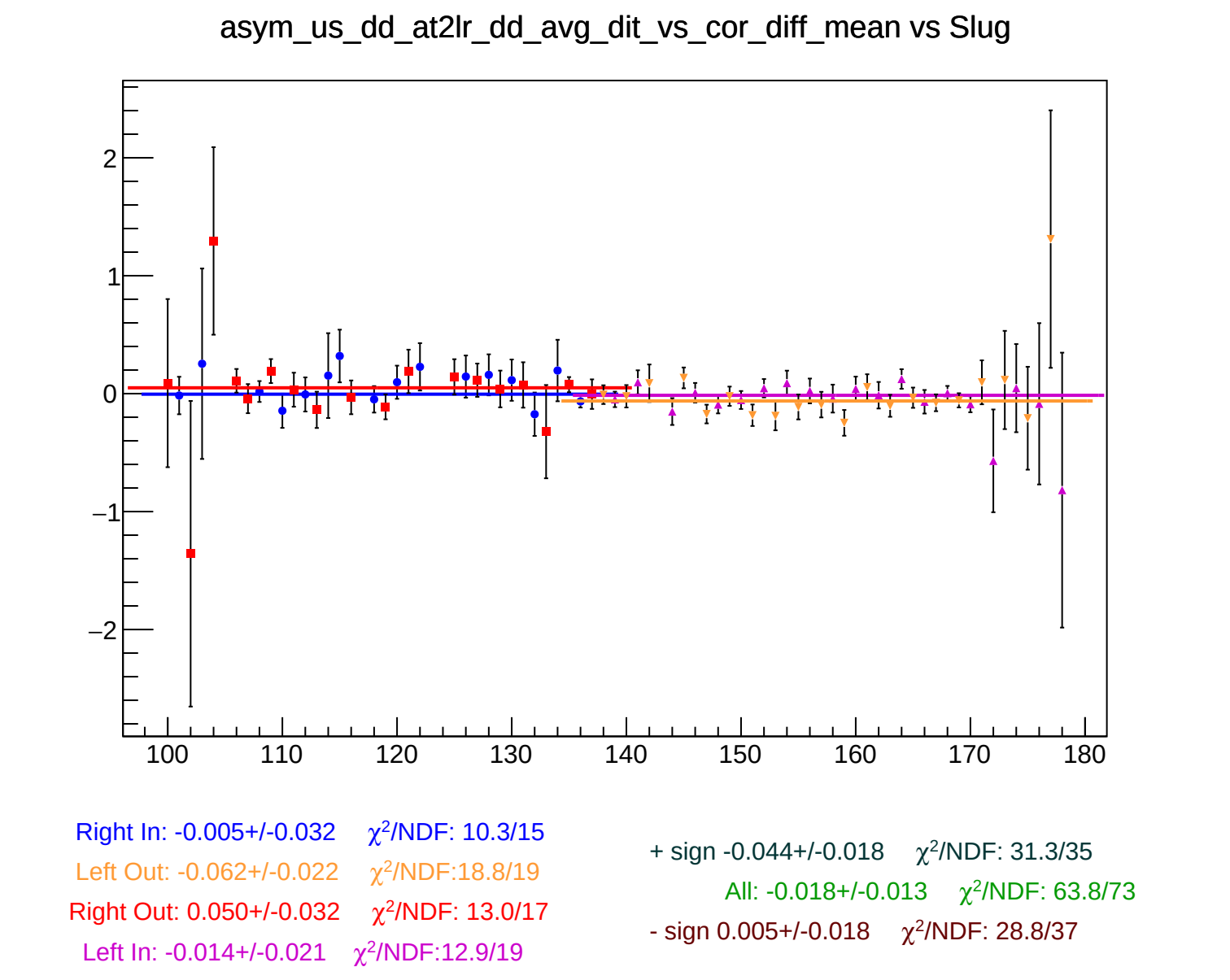
Right Out: 0.000+/-0.000 χ^2/NDF: 2086696.1/17

Left In: 0.000+/-0.000 χ^2/NDF:2157431.4/19

+ sign 0.000+/-0.000 χ^2/NDF: 3930332.6/35

All: 0.000+/-0.000 χ^2/NDF: 10128388.0/73

- sign 0.000+/-0.000 χ^2/NDF: 5725871.5/37


asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug
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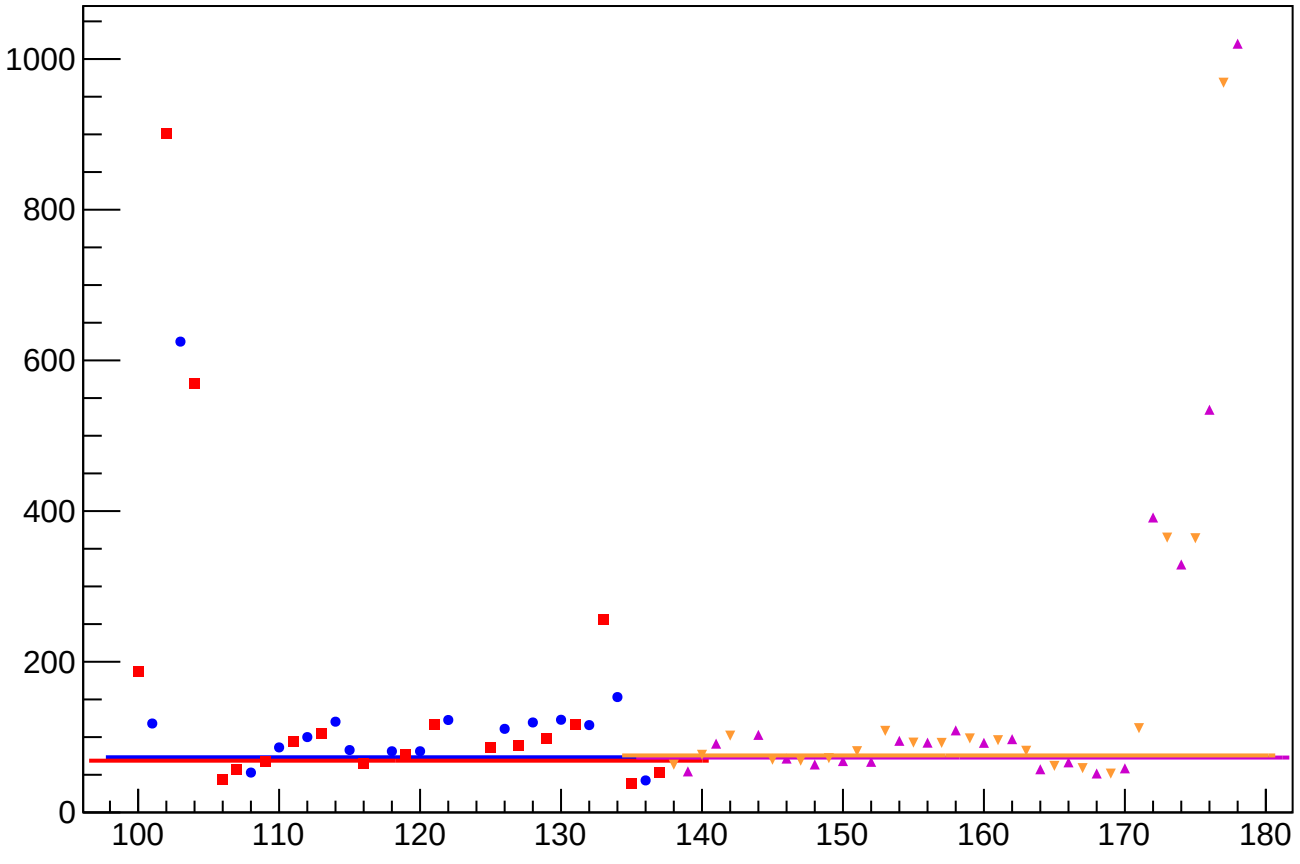
Right In: -0.005+/-0.032 χ²/NDF: 10.3/15
Left Out: -0.062+/-0.022 χ²/NDF:18.8/19
Right Out: 0.050+/-0.032 χ²/NDF: 13.0/17
Left In: -0.014+/-0.021 χ²/NDF:12.9/19
+ sign -0.044+/-0.018 χ²/NDF: 31.3/35
All: -0.018+/-0.013 χ²/NDF: 63.8/73
- sign 0.005+/-0.018 χ²/NDF: 28.8/37



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 75.679+/-0.016 χ^2/NDF:4276454.7/19

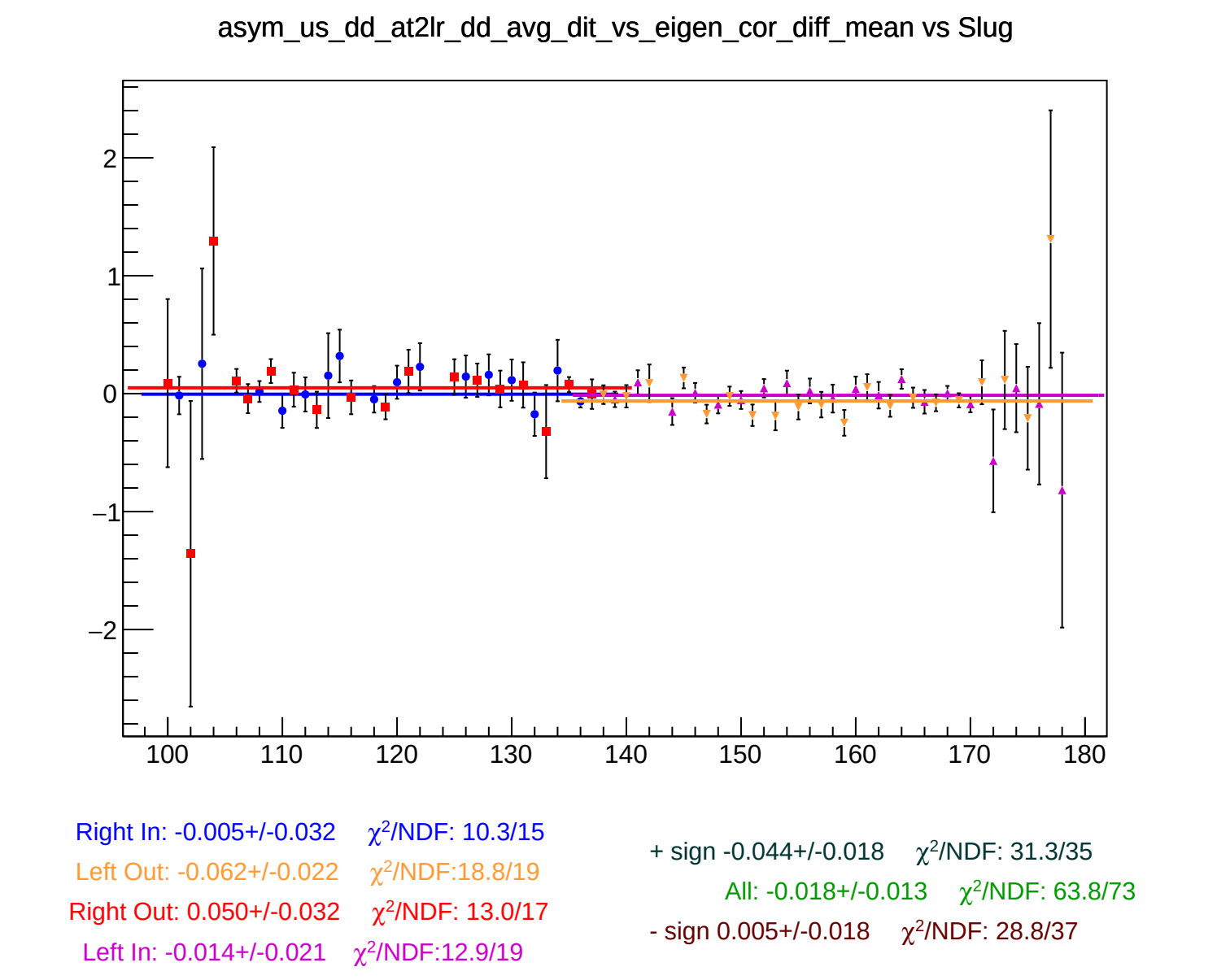
Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 72.860+/-0.015 χ^2/NDF:5571006.3/19

+ sign 74.895+/-0.013 χ^2/NDF: 7138870.7/35

All: 73.178+/-0.009 χ^2/NDF: 16099346.7/73

- sign 71.583+/-0.012 χ^2/NDF: 8926344.9/37


asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug
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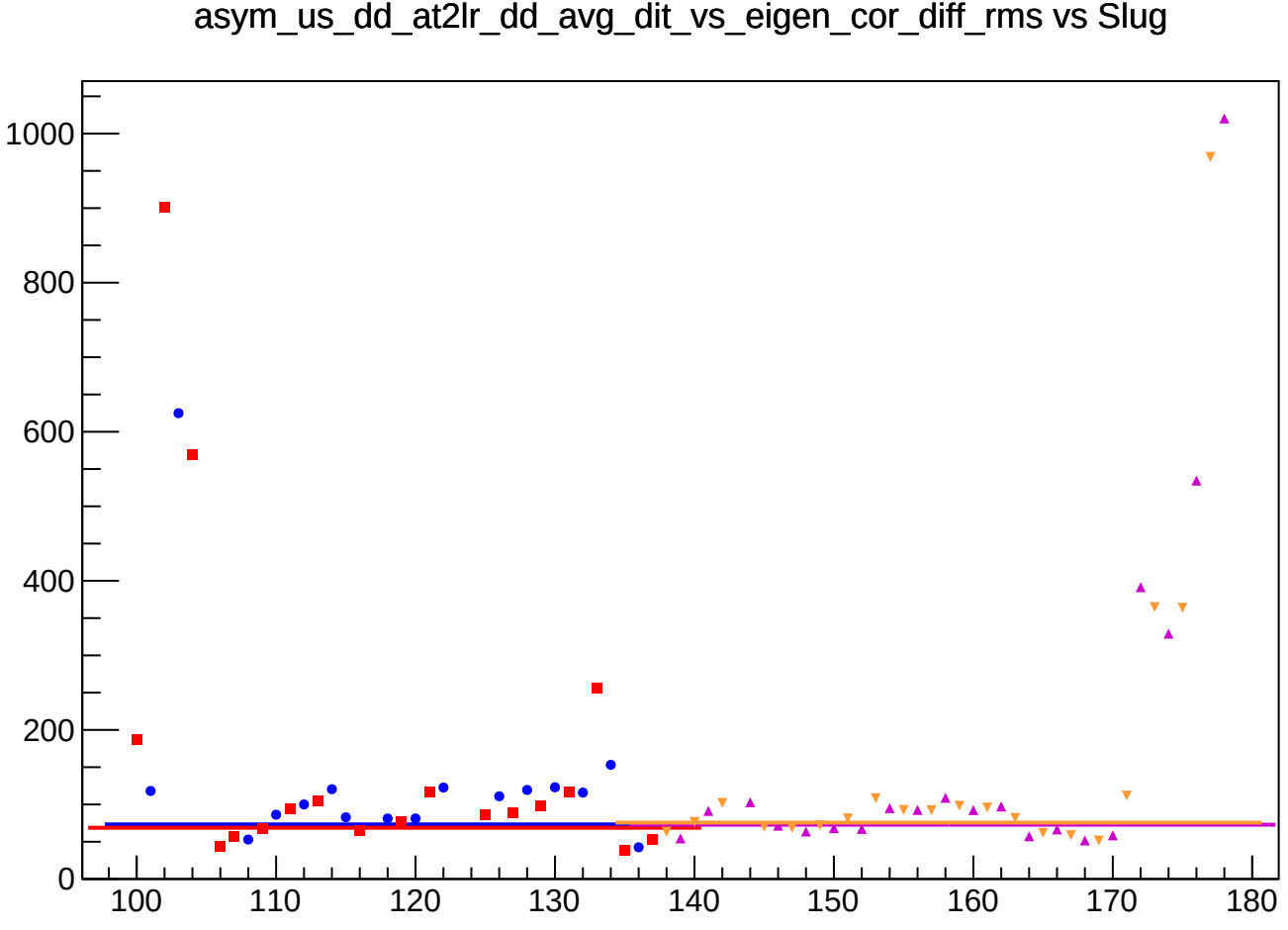
Right In: -0.005+/-0.032 χ²/NDF: 10.3/15
Left Out: -0.062+/-0.022 χ²/NDF:18.8/19
Right Out: 0.050+/-0.032 χ²/NDF: 13.0/17
Left In: -0.014+/-0.021 χ²/NDF:12.9/19
+ sign -0.044+/-0.018 χ²/NDF: 31.3/35
All: -0.018+/-0.013 χ²/NDF: 63.8/73
- sign 0.005+/-0.018 χ²/NDF: 28.8/37



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 75.679+/-0.016 χ^2/NDF:4276454.7/19

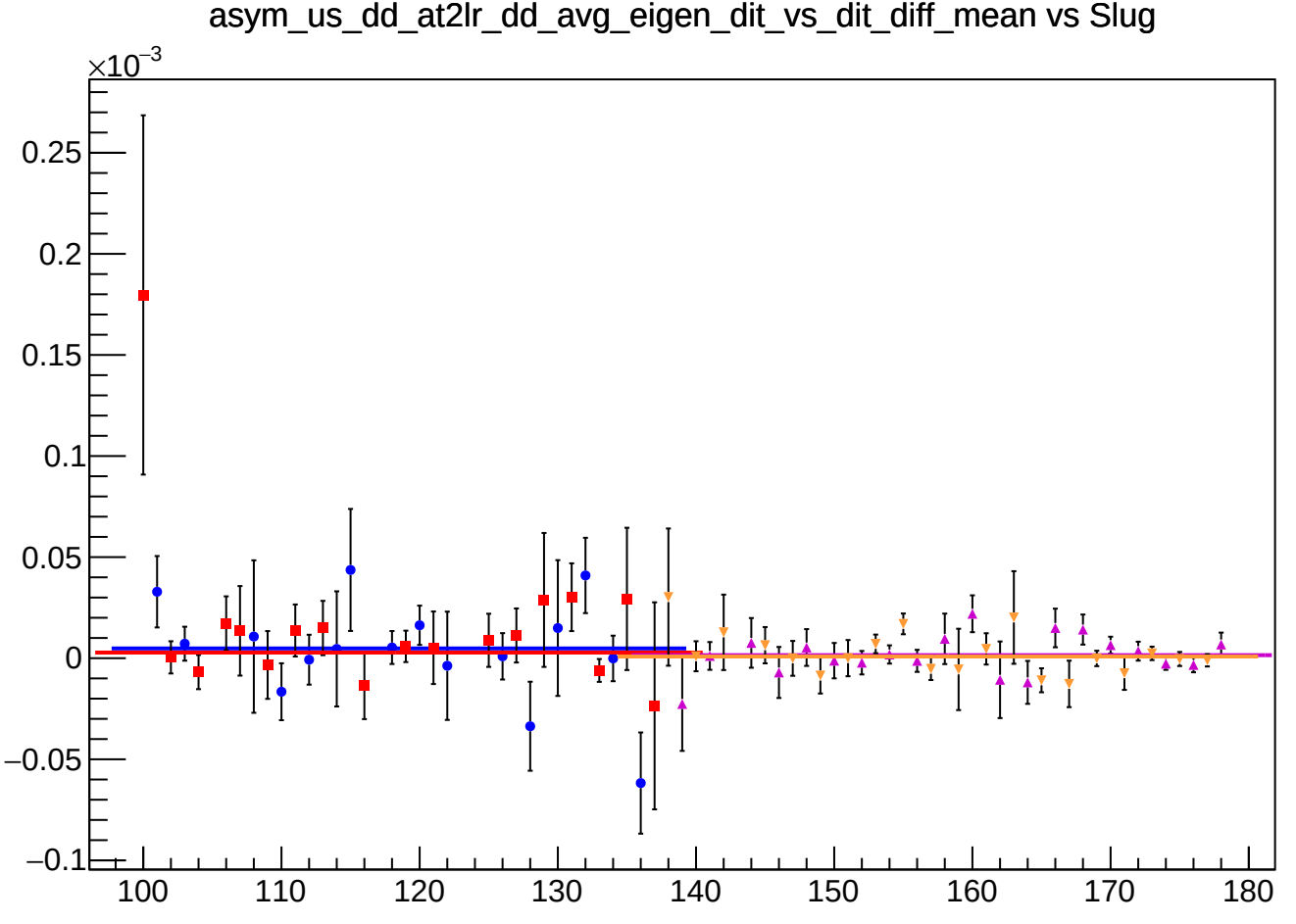
Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 72.860+/-0.015 χ^2/NDF:5571006.3/19

+ sign 74.895+/-0.013 χ^2/NDF: 7138870.7/35

All: 73.178+/-0.009 χ^2/NDF: 16099346.7/73

- sign 71.583+/-0.012 χ^2/NDF: 8926344.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.8/19

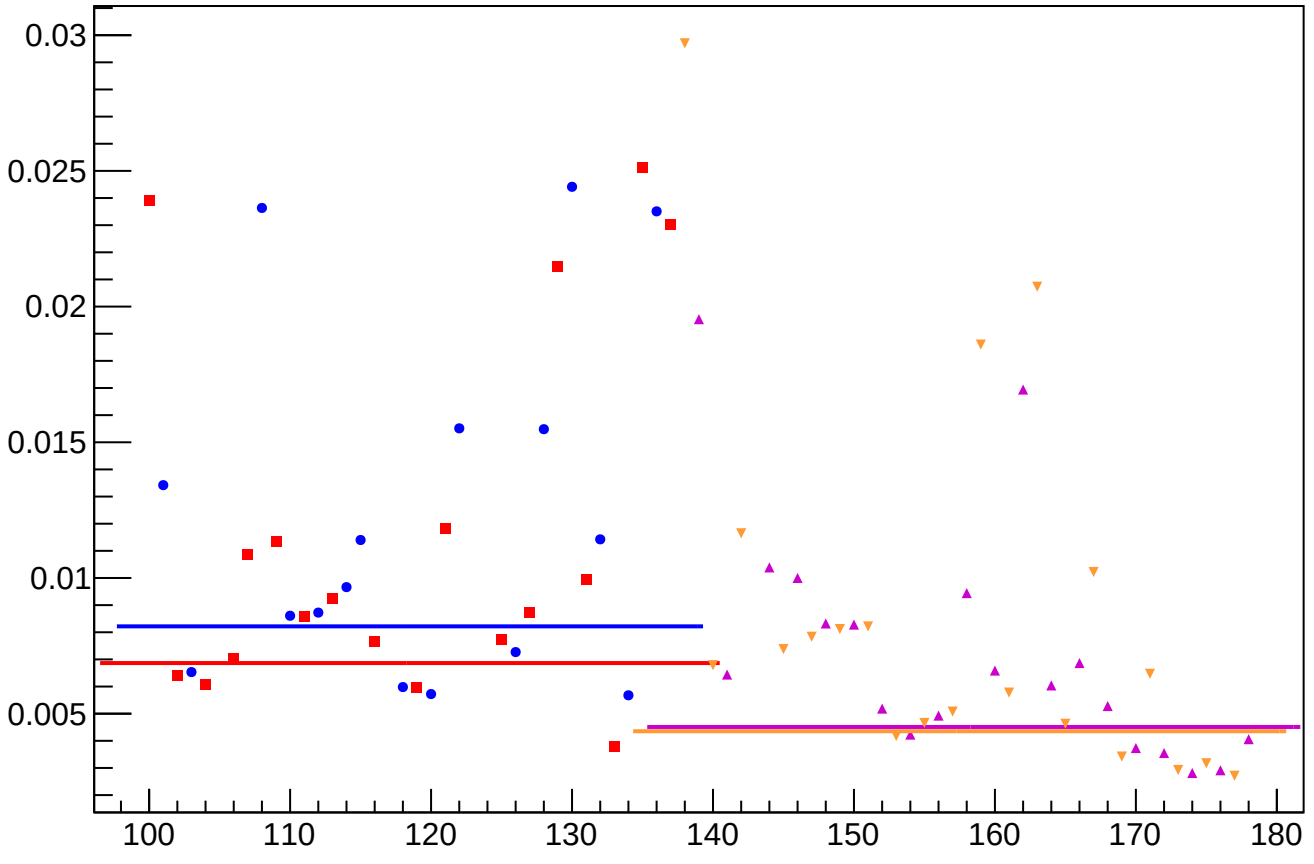
Right Out: 0.000+/-0.000 χ^2/NDF: 16.8/17

Left In: 0.000+/-0.000 χ^2/NDF:21.2/19

+ sign 0.000+/-0.000 χ^2/NDF: 47.5/35

All: 0.000+/-0.000 χ^2/NDF: 85.7/73

- sign 0.000+/-0.000 χ^2/NDF: 38.1/37



Right In: 0.008+/-0.000 χ^2/NDF: 2656170.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:7016089.3/19

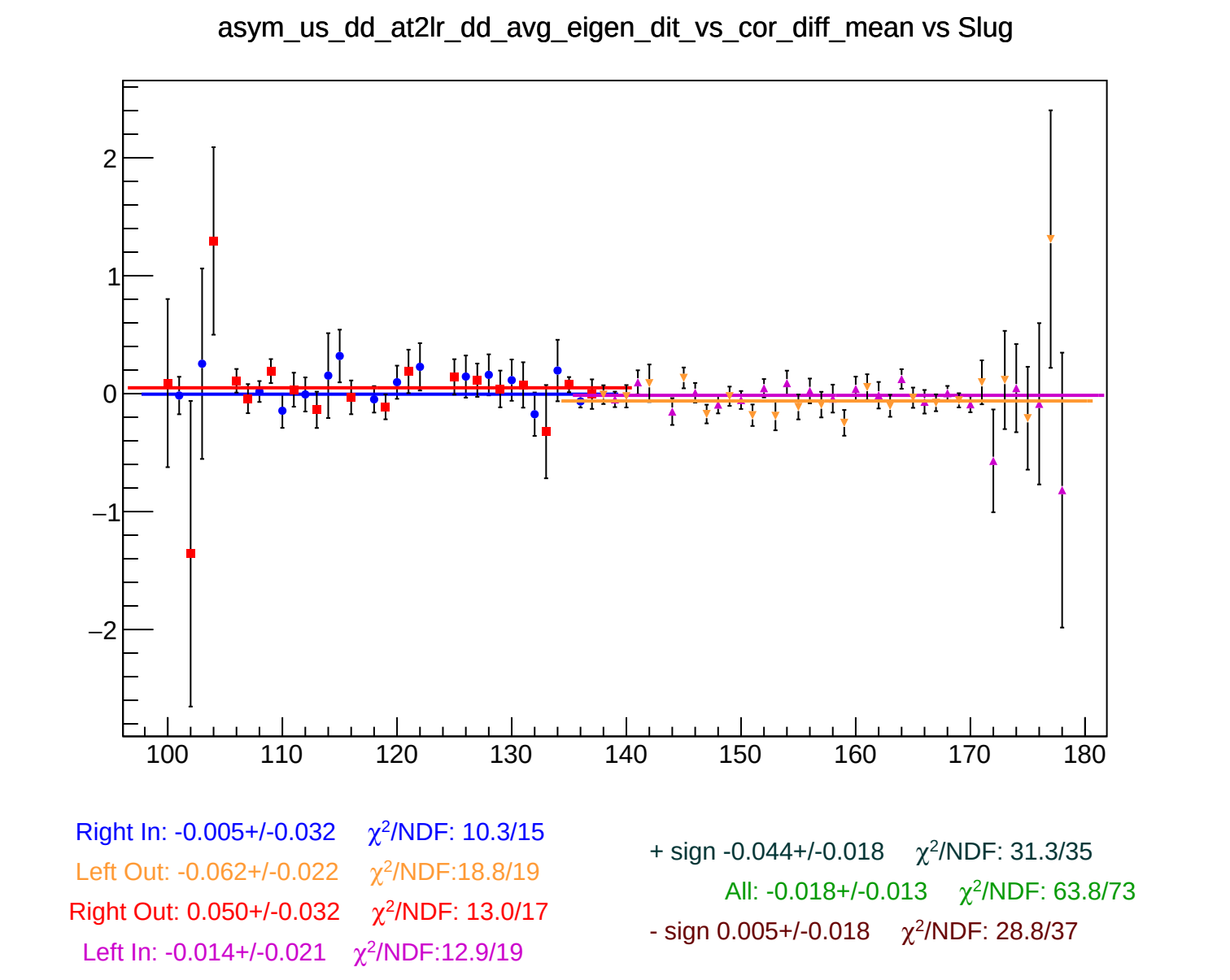
Right Out: 0.007+/-0.000 χ^2/NDF: 2426444.0/17

Left In: 0.005+/-0.000 χ^2/NDF:5226312.9/19

+ sign 0.005+/-0.000 χ^2/NDF: 11832927.7/35

All: 0.005+/-0.000 χ^2/NDF: 20623136.7/73

- sign 0.005+/-0.000 χ^2/NDF: 8777430.5/37


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug
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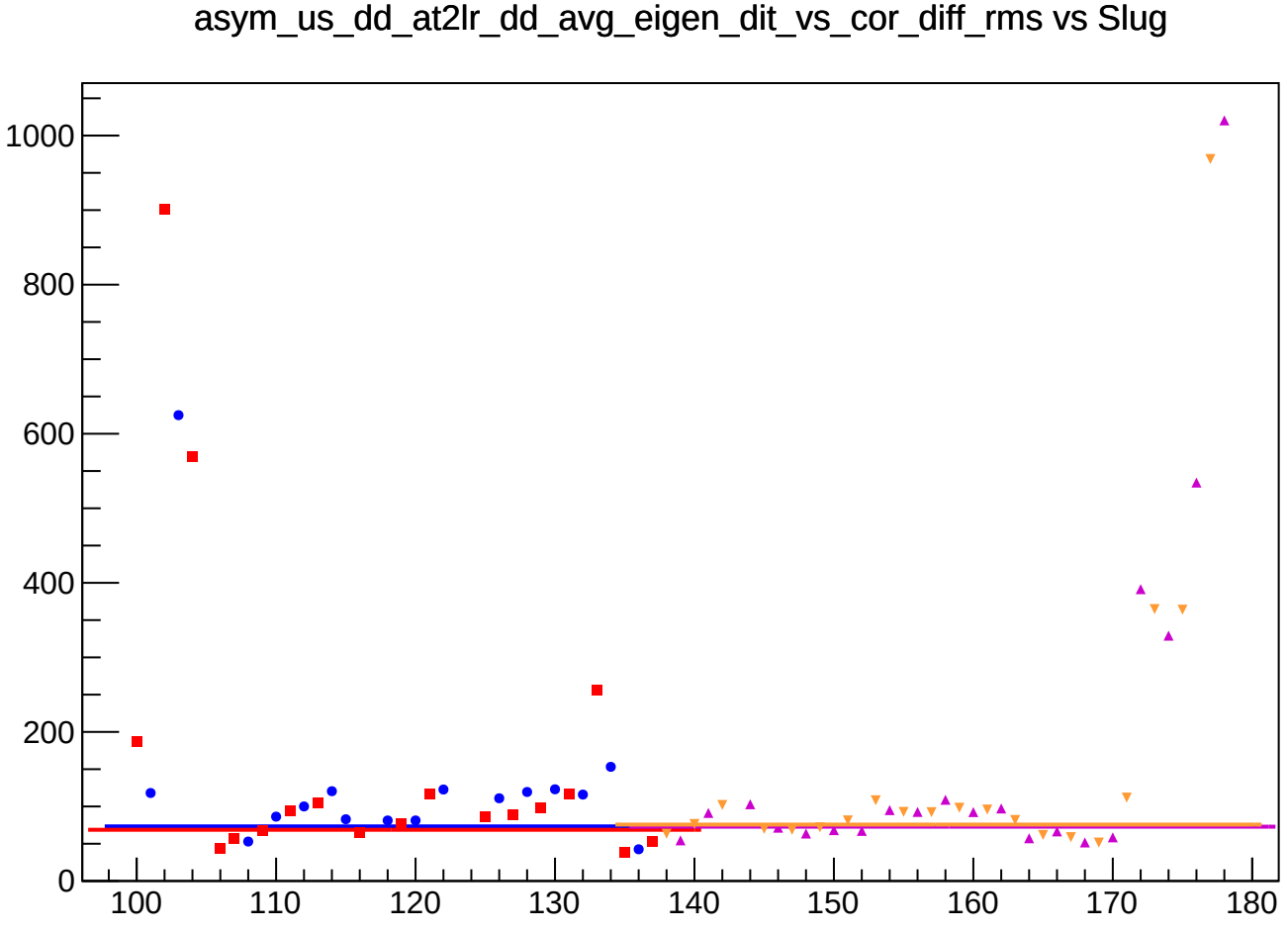
Right In: -0.005+/-0.032 χ²/NDF: 10.3/15
Left Out: -0.062+/-0.022 χ²/NDF:18.8/19
Right Out: 0.050+/-0.032 χ²/NDF: 13.0/17
Left In: -0.014+/-0.021 χ²/NDF:12.9/19
+ sign -0.044+/-0.018 χ²/NDF: 31.3/35
All: -0.018+/-0.013 χ²/NDF: 63.8/73
- sign 0.005+/-0.018 χ²/NDF: 28.8/37



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 75.678+/-0.016 χ^2/NDF:4276372.8/19

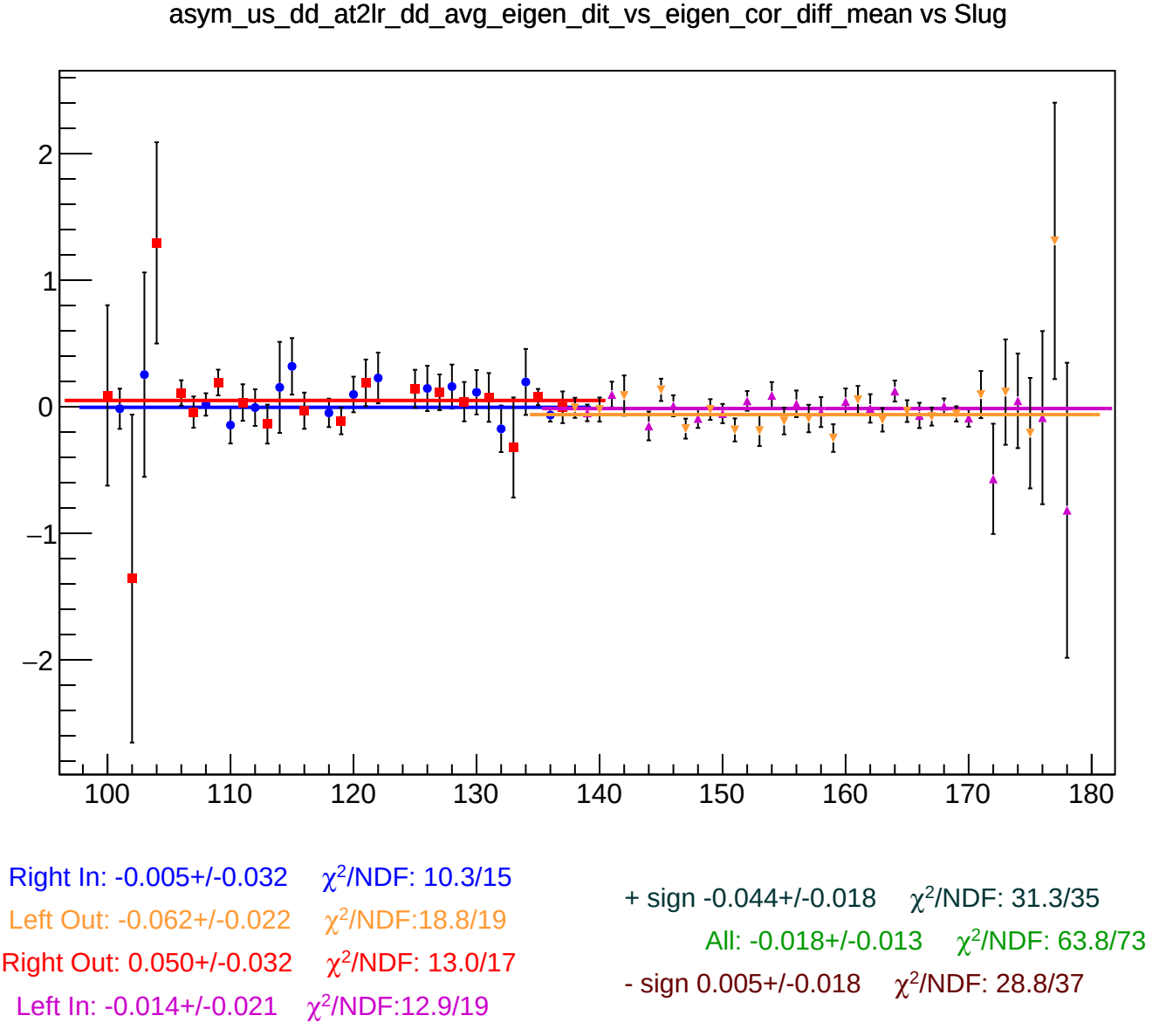
Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 72.861+/-0.015 χ^2/NDF:5570738.2/19

+ sign 74.903+/-0.013 χ^2/NDF: 7136330.8/35

All: 73.180+/-0.009 χ^2/NDF: 16097905.8/73

- sign 71.580+/-0.012 χ^2/NDF: 8927221.8/37


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
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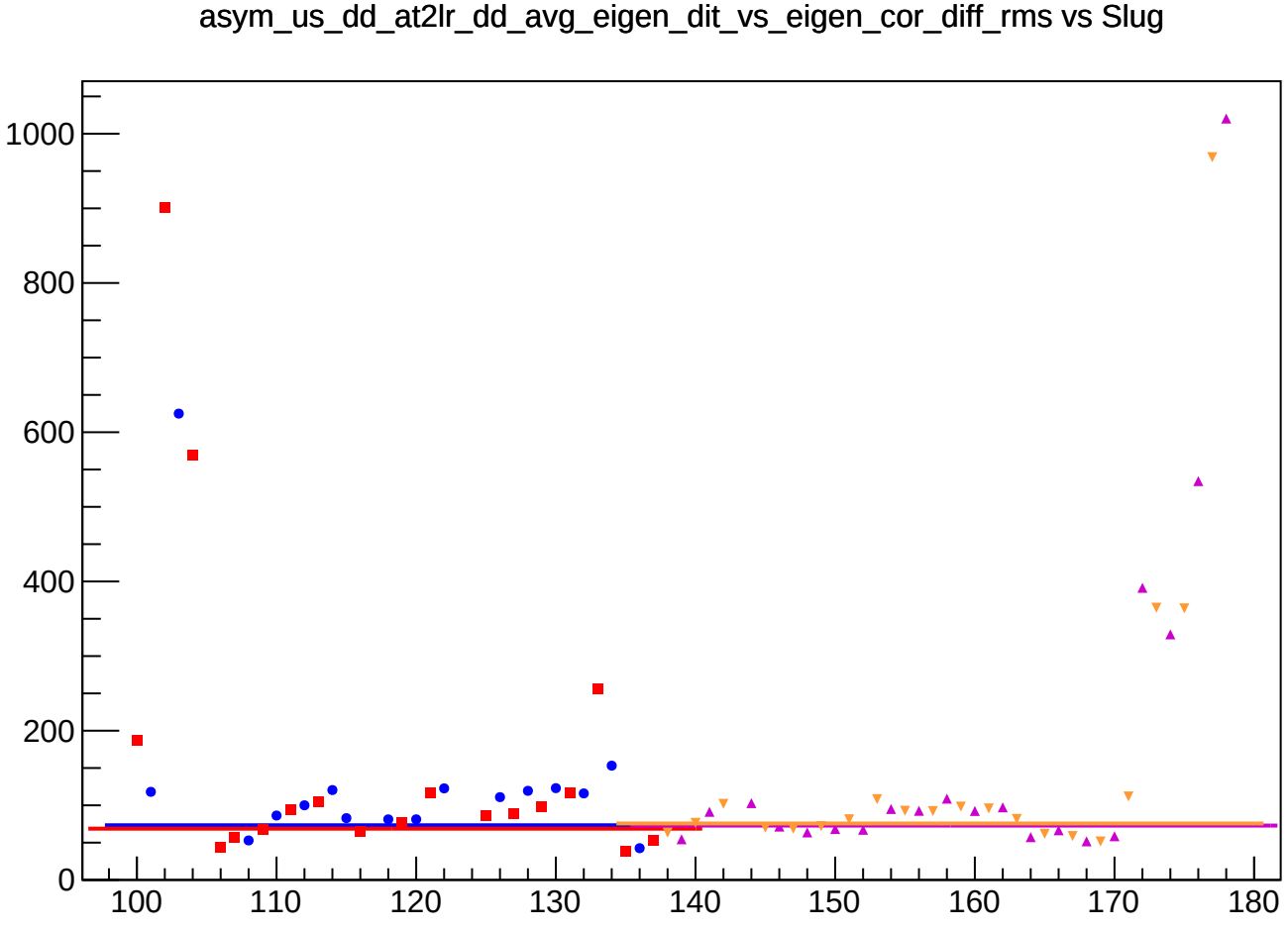
Right In: -0.005+/-0.032 χ²/NDF: 10.3/15
Left Out: -0.062+/-0.022 χ²/NDF:18.8/19
Right Out: 0.050+/-0.032 χ²/NDF: 13.0/17
Left In: -0.014+/-0.021 χ²/NDF:12.9/19
+ sign -0.044+/-0.018 χ²/NDF: 31.3/35
All: -0.018+/-0.013 χ²/NDF: 63.8/73
- sign 0.005+/-0.018 χ²/NDF: 28.8/37



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 75.678+/-0.016 χ^2/NDF:4276372.8/19

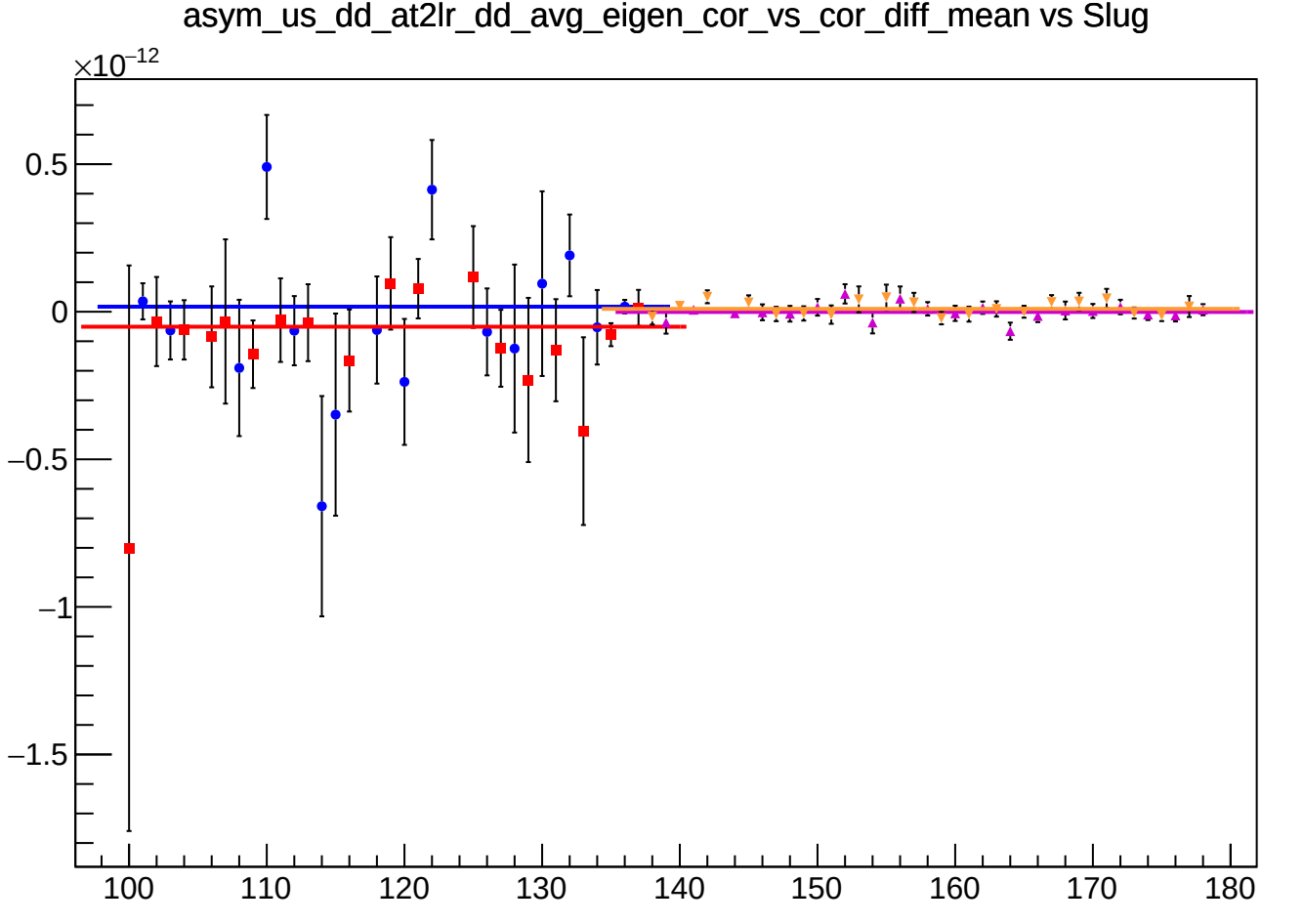
Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 72.861+/-0.015 χ^2/NDF:5570738.2/19

+ sign 74.903+/-0.013 χ^2/NDF: 7136330.8/35

All: 73.180+/-0.009 χ^2/NDF: 16097905.8/73

- sign 71.580+/-0.012 χ^2/NDF: 8927221.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.2/19

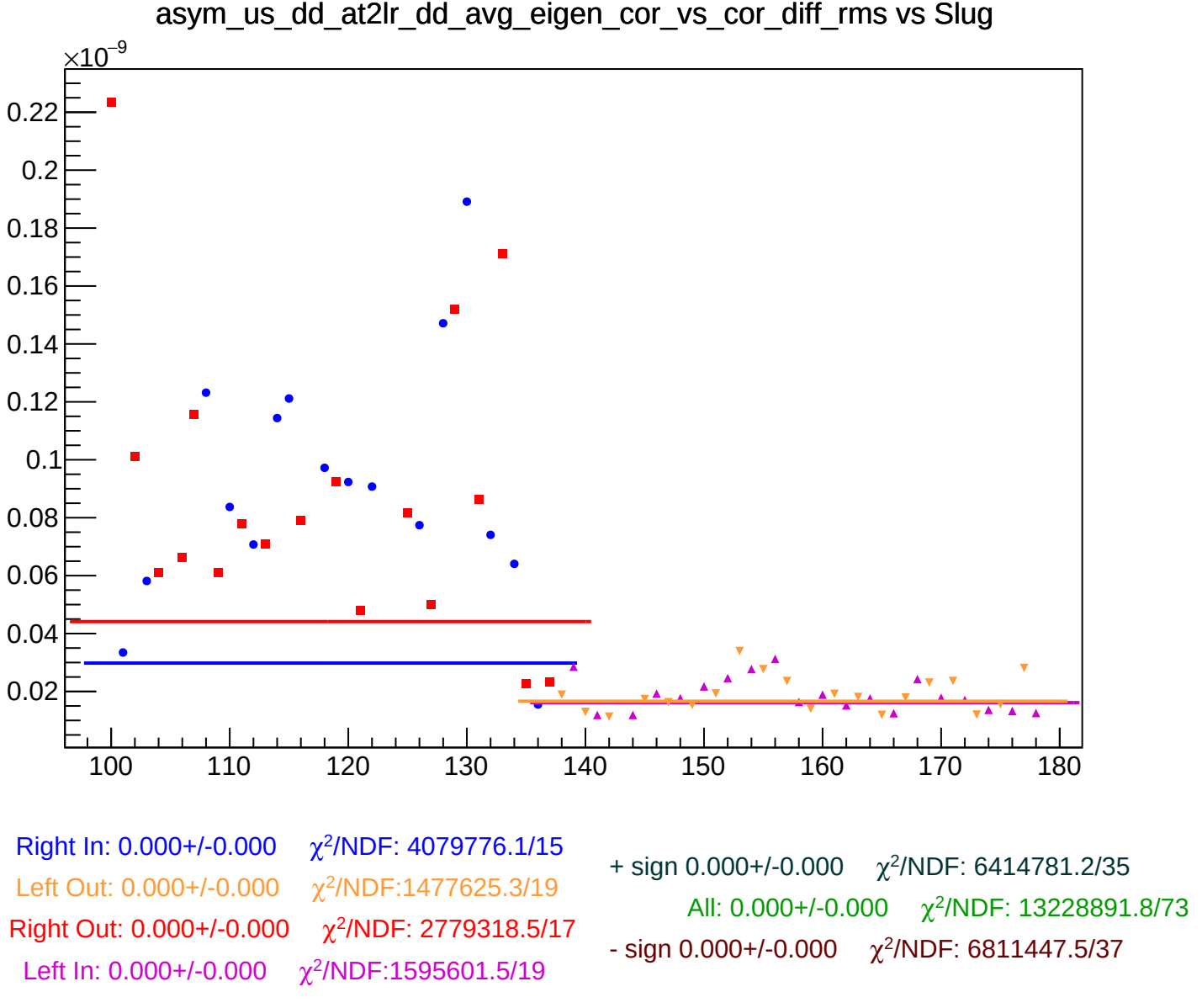
Right Out: -0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: -0.000+/-0.000 χ^2/NDF:14.5/19

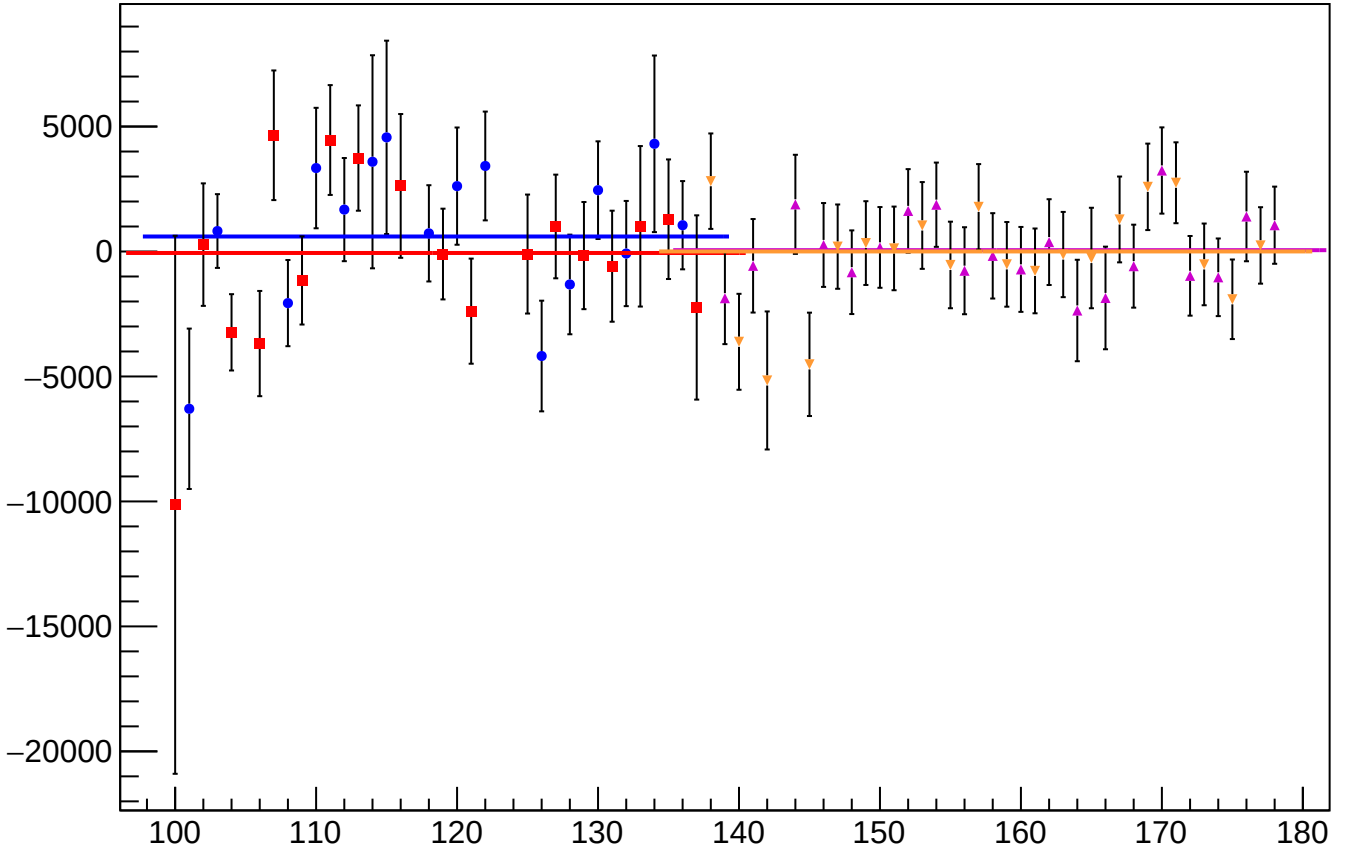
+ sign 0.000+/-0.000 χ^2/NDF: 39.7/35

All: 0.000+/-0.000 χ^2/NDF: 70.4/73

- sign -0.000+/-0.000 χ^2/NDF: 27.5/37


asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 4079776.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1477625.3/19
Right Out: 0.000+/-0.000 χ²/NDF: 2779318.5/17
Left In: 0.000+/-0.000 χ²/NDF:1595601.5/19
+ sign 0.000+/-0.000 χ²/NDF: 6414781.2/35
All: 0.000+/-0.000 χ²/NDF: 13228891.8/73
- sign 0.000+/-0.000 χ²/NDF: 6811447.5/37

reg_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 600.146+/-540.053 χ^2/NDF: 20.3/15

Left Out: 2.721+/-391.602 χ^2/NDF:23.1/19

Right Out: -59.091+/-530.206 χ^2/NDF: 22.5/17

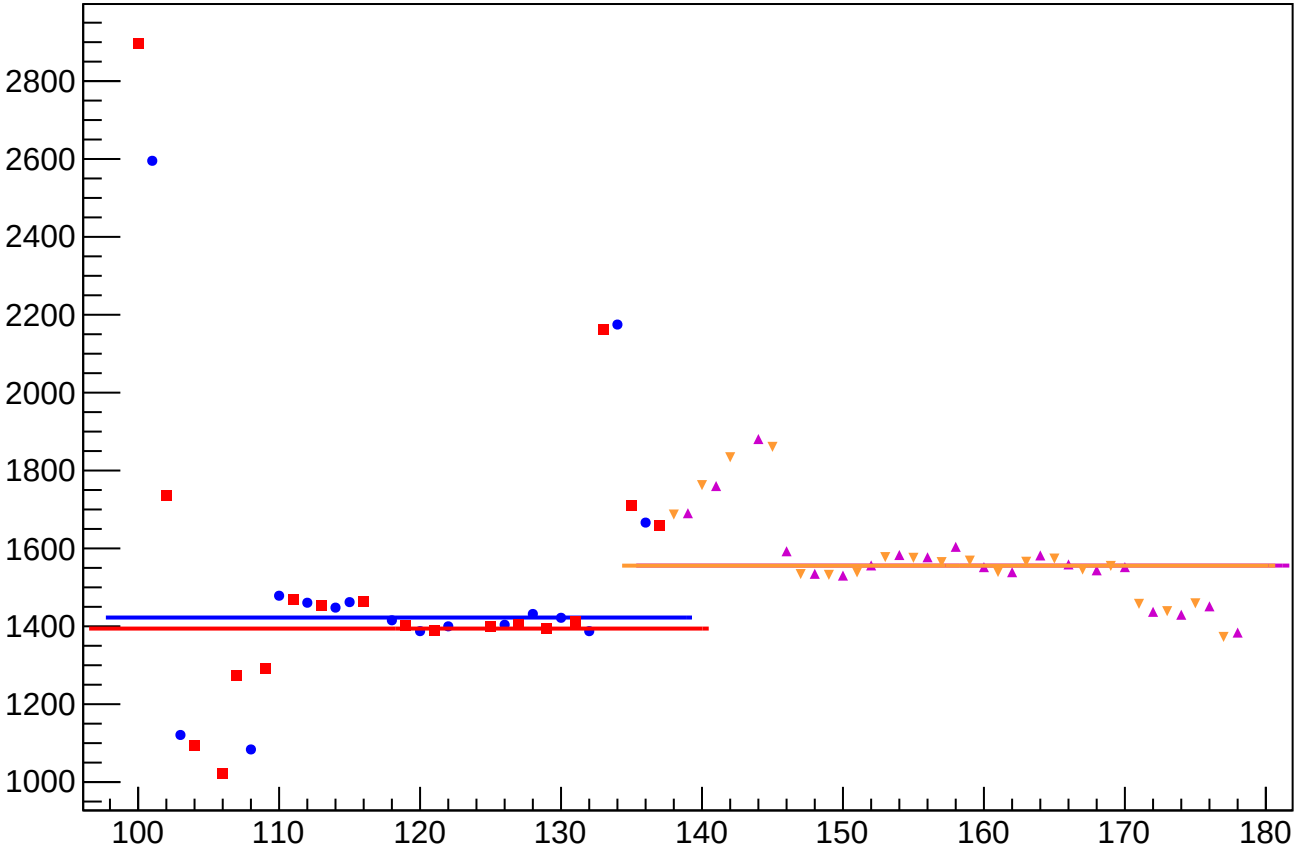
Left In: 53.218+/-385.794 χ^2/NDF:12.6/19

+ sign 208.596+/-317.028 χ^2/NDF: 44.3/35

All: 109.901+/-222.356 χ^2/NDF: 79.7/73

- sign 14.340+/-311.952 χ^2/NDF: 35.2/37

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1555.767+/-0.277 χ^2/NDF:152267.6/19

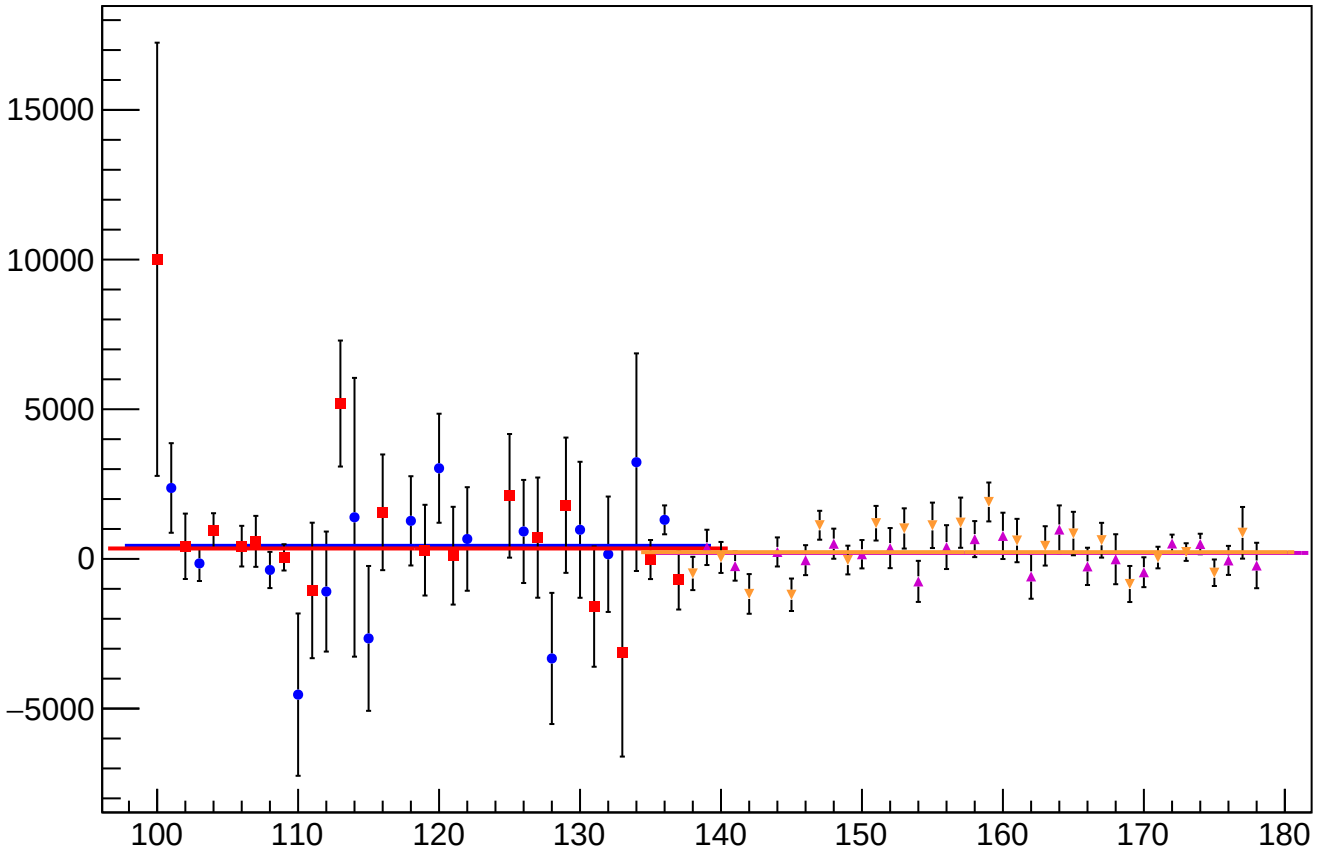
Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1555.961+/-0.273 χ^2/NDF:149095.5/19

+ sign 1509.848+/-0.224 χ^2/NDF: 792328.6/35

All: 1504.821+/-0.157 χ^2/NDF: 1457841.8/73

- sign 1499.954+/-0.221 χ^2/NDF: 664523.5/37



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: 225.427+/-119.963 χ^2/NDF:38.4/19

Right Out: 348.567+/-233.745 χ^2/NDF: 13.9/17

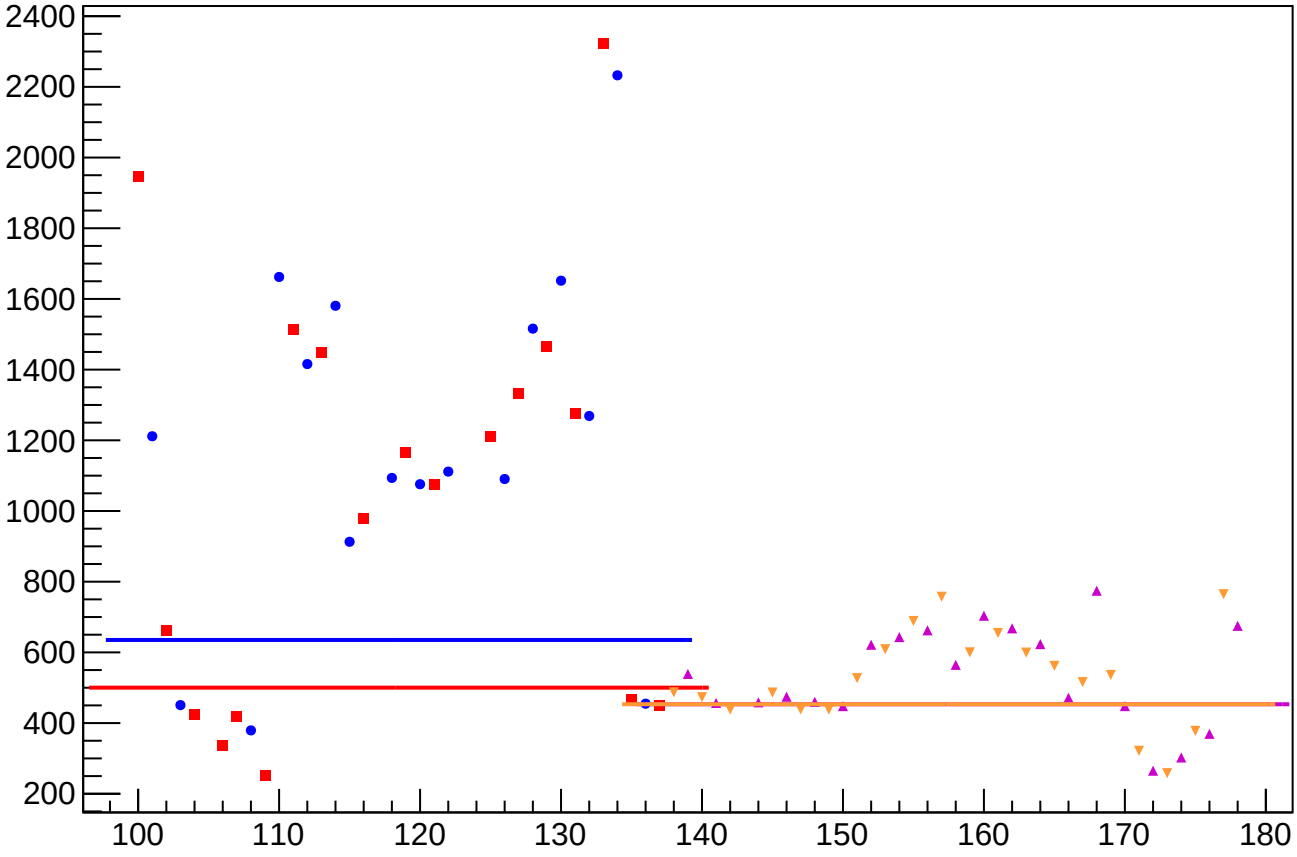
Left In: 199.196+/-118.123 χ^2/NDF:11.5/19

+ sign 258.985+/-110.015 χ^2/NDF: 58.2/35

All: 243.658+/-76.118 χ^2/NDF: 84.0/73

- sign 229.582+/-105.426 χ^2/NDF: 25.7/37

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug



Right In: 635.135+/-0.195 χ^2/NDF: 3752583.4/15

Left Out: 453.299+/-0.085 χ^2/NDF:2541486.7/19

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

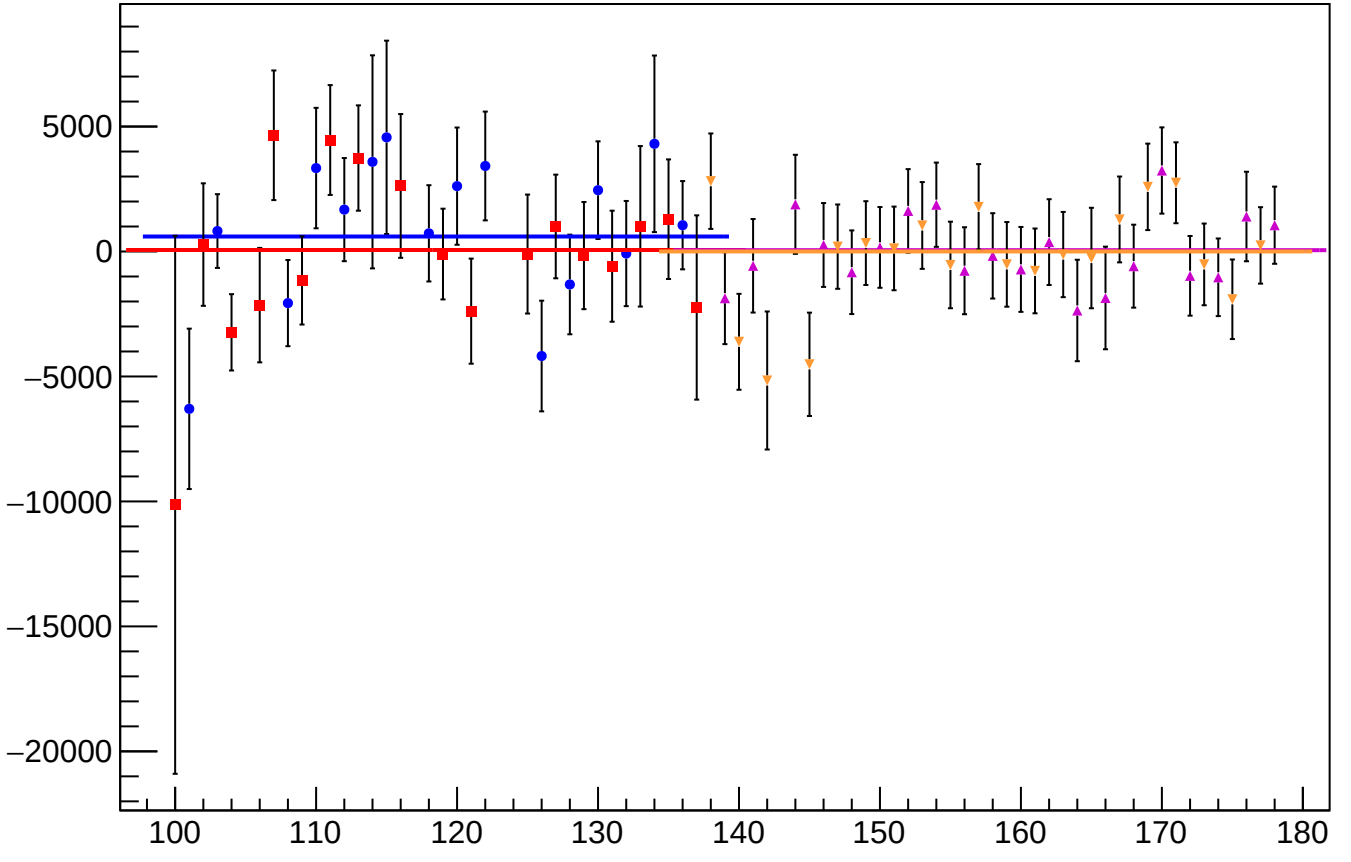
Left In: 453.246+/-0.084 χ^2/NDF:2746456.9/19

+ sign 482.208+/-0.078 χ^2/NDF: 7024598.9/35

All: 472.093+/-0.054 χ^2/NDF: 14176953.1/73

- sign 462.804+/-0.075 χ^2/NDF: 7119922.0/37

cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: 2.709+/-391.602 χ^2/NDF:23.1/19

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

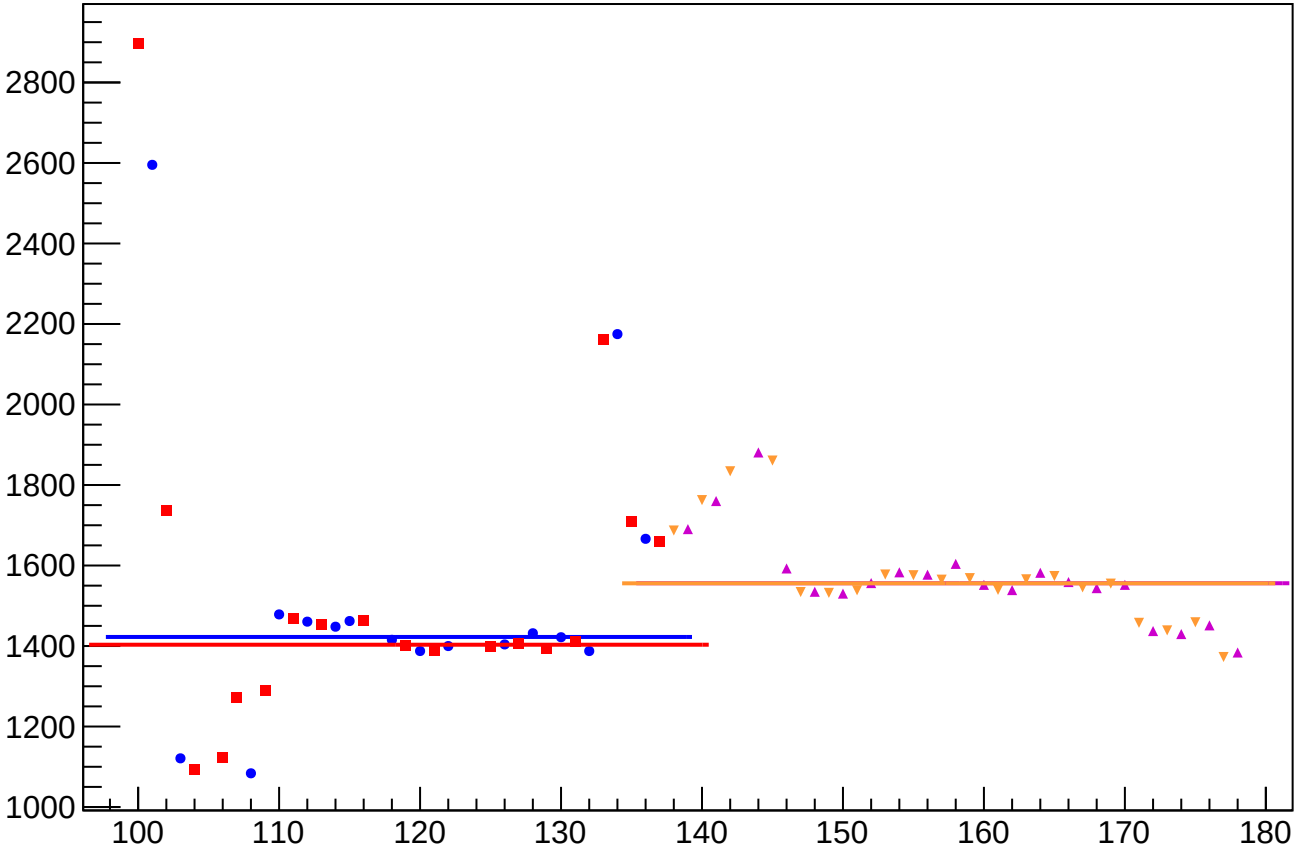
Left In: 53.263+/-385.794 χ^2/NDF:12.6/19

+ sign 208.545+/-317.028 χ^2/NDF: 44.3/35

All: 131.021+/-222.548 χ^2/NDF: 77.4/73

- sign 55.704+/-312.484 χ^2/NDF: 33.0/37

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1555.767+/-0.277 χ^2/NDF:152267.6/19

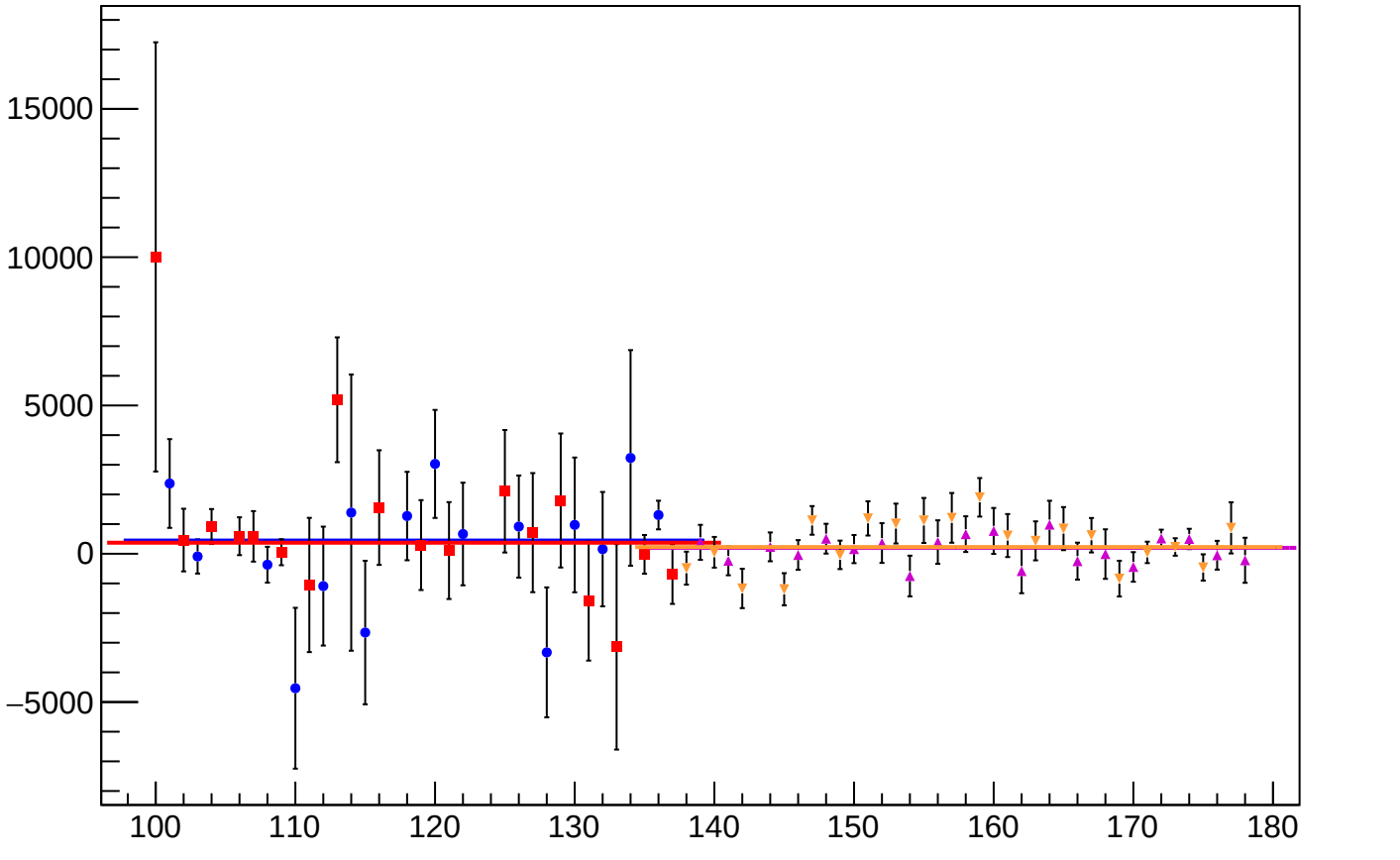
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1555.961+/-0.273 χ^2/NDF:149095.5/19

+ sign 1509.848+/-0.224 χ^2/NDF: 792329.0/35

All: 1506.591+/-0.157 χ^2/NDF: 1408778.1/73

- sign 1503.427+/-0.221 χ^2/NDF: 616033.0/37



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 225.452+/-119.964 χ^2/NDF:38.4/19

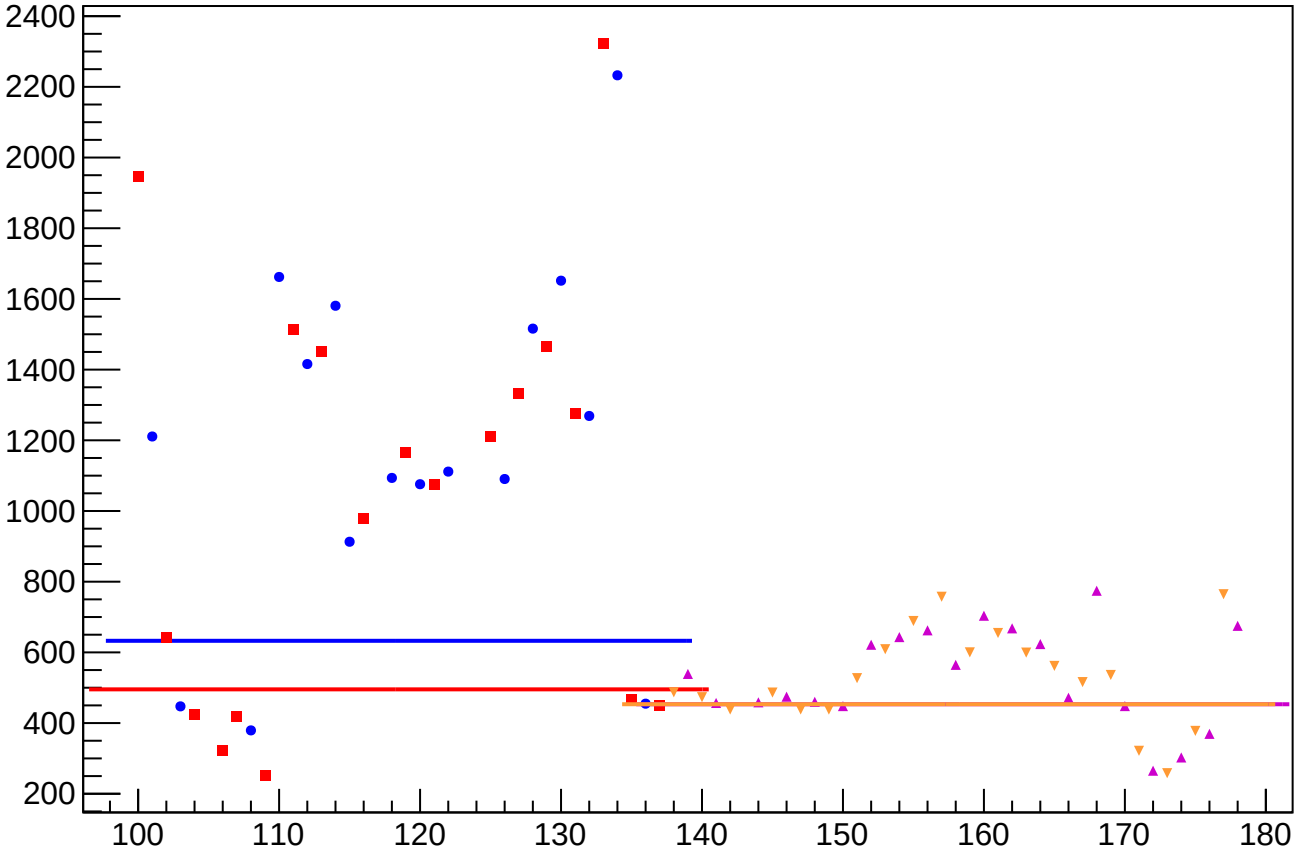
Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: 199.363+/-118.124 χ^2/NDF:11.5/19

+ sign 260.628+/-109.940 χ^2/NDF: 58.1/35

All: 247.340+/-76.010 χ^2/NDF: 84.1/73

- sign 235.173+/-105.204 χ^2/NDF: 25.9/37



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 453.299+/-0.085 χ^2/NDF:2541728.4/19

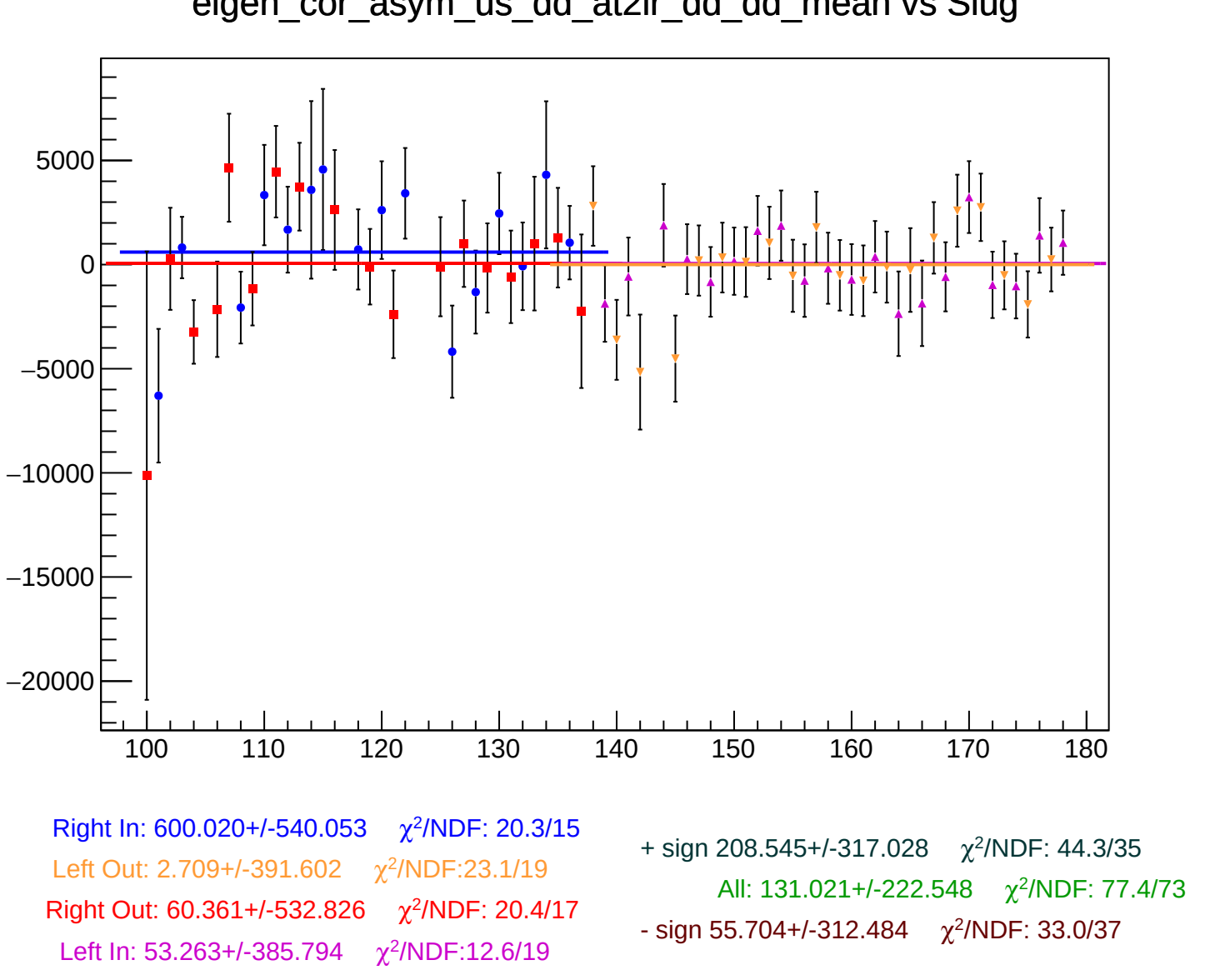
Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 453.251+/-0.084 χ^2/NDF:2746175.7/19

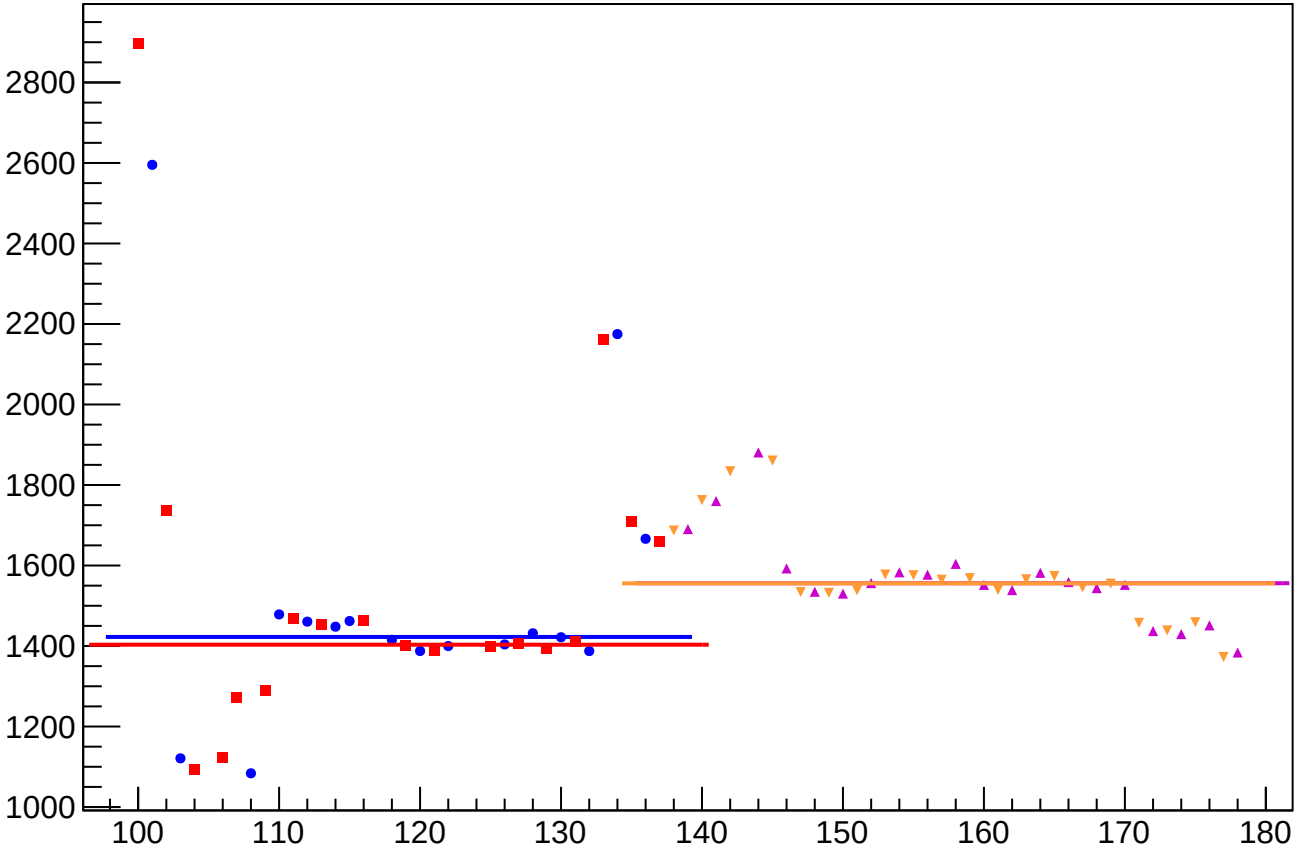
+ sign 482.035+/-0.078 χ^2/NDF: 7026120.2/35

All: 471.557+/-0.054 χ^2/NDF: 14197186.7/73

- sign 461.963+/-0.074 χ^2/NDF: 7136266.0/37


eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs Slug
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
Right In: 600.020+/-540.053 χ²/NDF: 20.3/15
Left Out: 2.709+/-391.602 χ²/NDF:23.1/19
Right Out: 60.361+/-532.826 χ²/NDF: 20.4/17
Left In: 53.263+/-385.794 χ²/NDF:12.6/19
+ sign 208.545+/-317.028 χ²/NDF: 44.3/35
All: 131.021+/-222.548 χ²/NDF: 77.4/73
- sign 55.704+/-312.484 χ²/NDF: 33.0/37

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: 1555.767+/-0.277 χ^2/NDF:152267.6/19

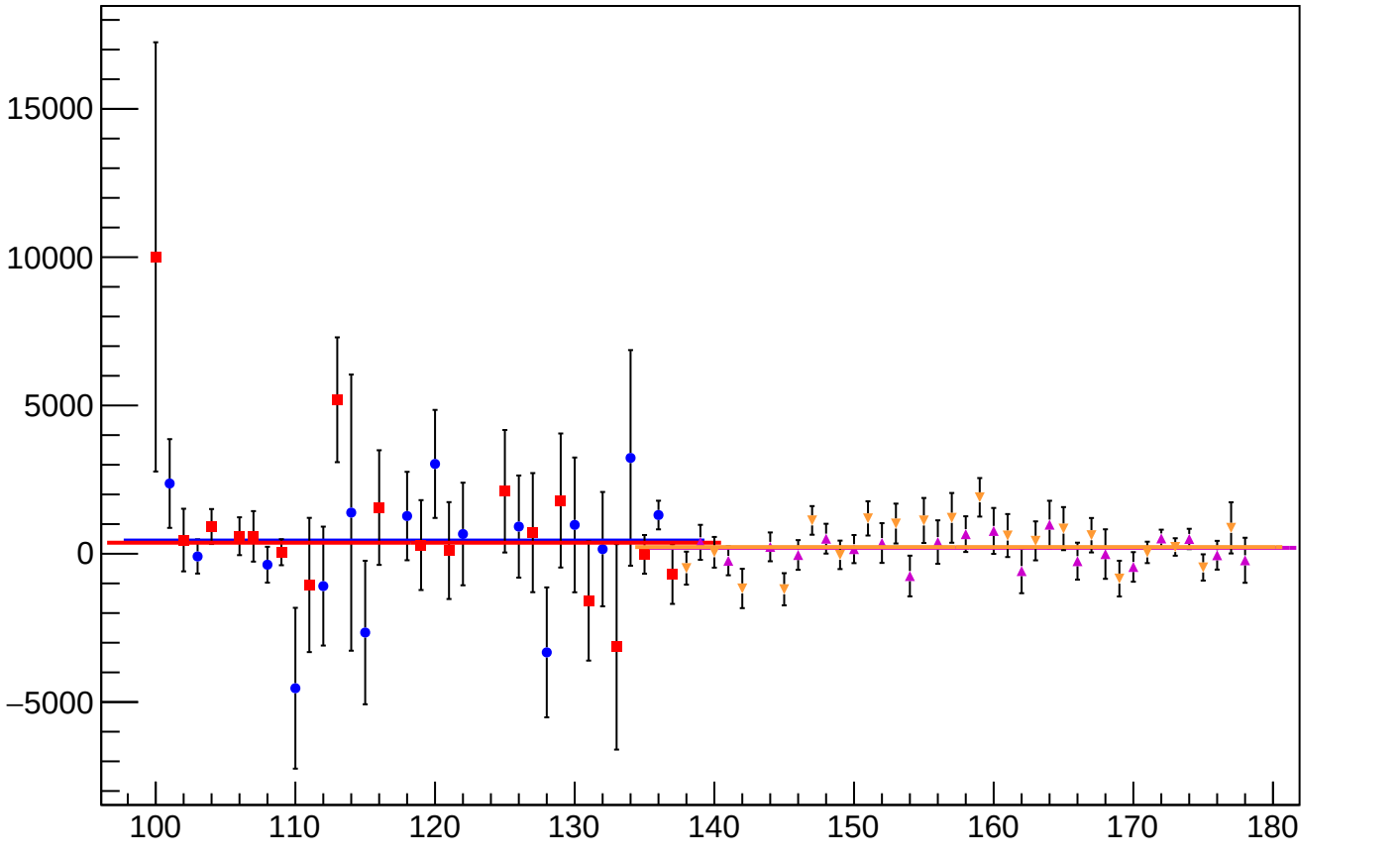
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1555.961+/-0.273 χ^2/NDF:149095.5/19

+ sign 1509.848+/-0.224 χ^2/NDF: 792329.0/35

All: 1506.591+/-0.157 χ^2/NDF: 1408778.1/73

- sign 1503.427+/-0.221 χ^2/NDF: 616033.0/37



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 225.452+/-119.964 χ^2/NDF:38.4/19

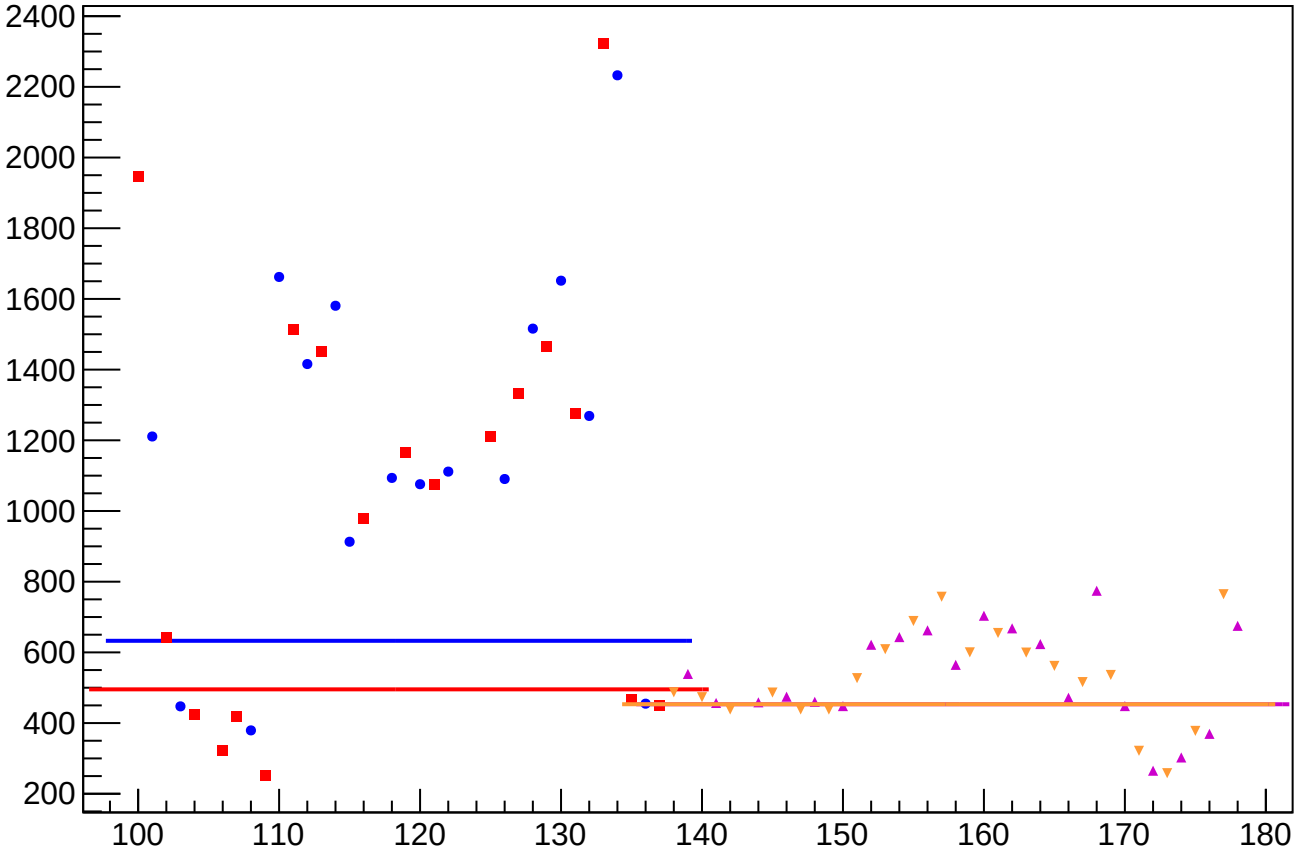
Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: 199.363+/-118.124 χ^2/NDF:11.5/19

+ sign 260.628+/-109.940 χ^2/NDF: 58.1/35

All: 247.340+/-76.010 χ^2/NDF: 84.1/73

- sign 235.173+/-105.204 χ^2/NDF: 25.9/37



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 453.299+/-0.085 χ^2/NDF:2541728.4/19

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

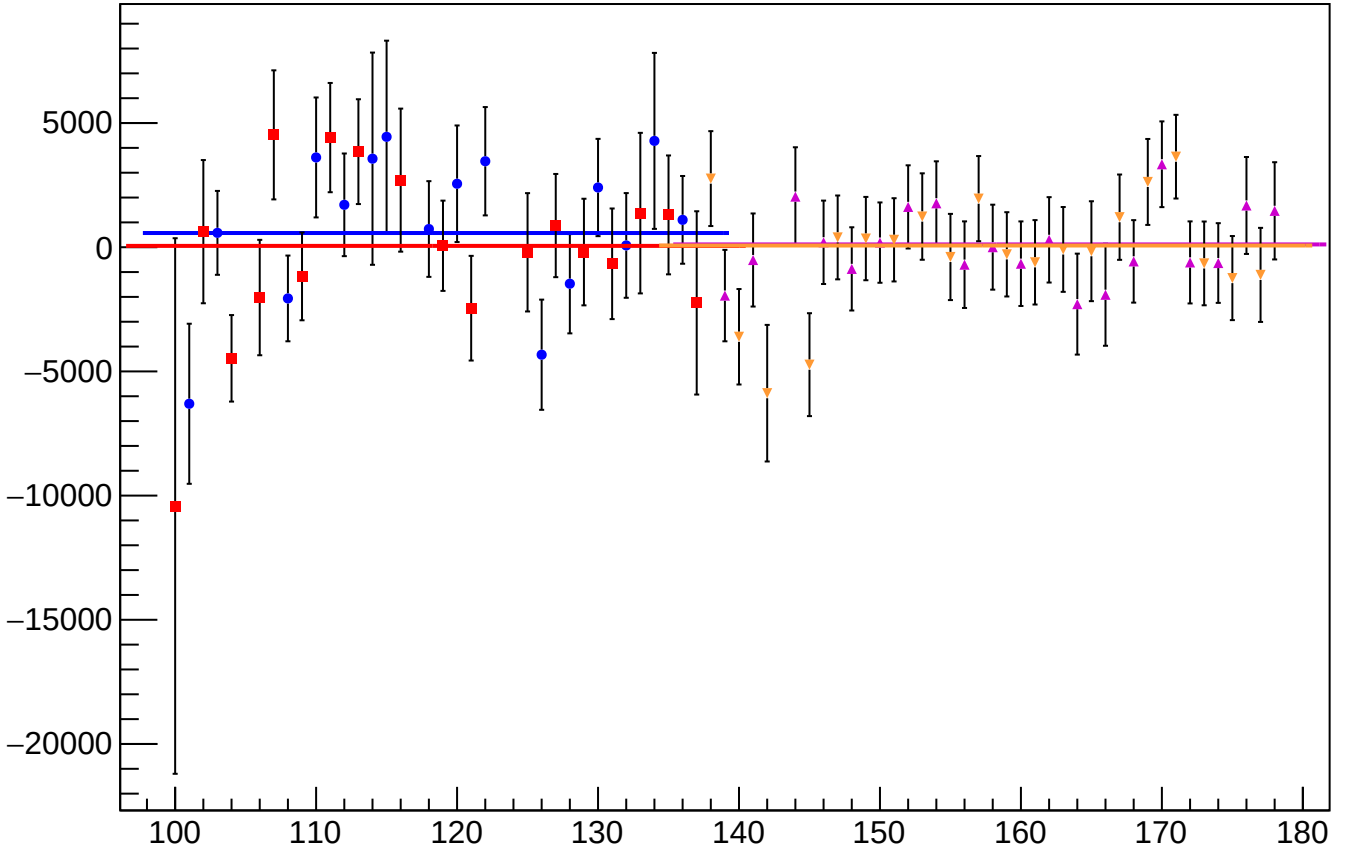
Left In: 453.251+/-0.084 χ^2/NDF:2746175.7/19

+ sign 482.035+/-0.078 χ^2/NDF: 7026120.2/35

All: 471.557+/-0.054 χ^2/NDF: 14197186.7/73

- sign 461.963+/-0.074 χ^2/NDF: 7136266.0/37

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

Left Out: 69.265+/-399.562 χ^2/NDF:26.0/19

Right Out: 53.754+/-545.353 χ^2/NDF: 22.5/17

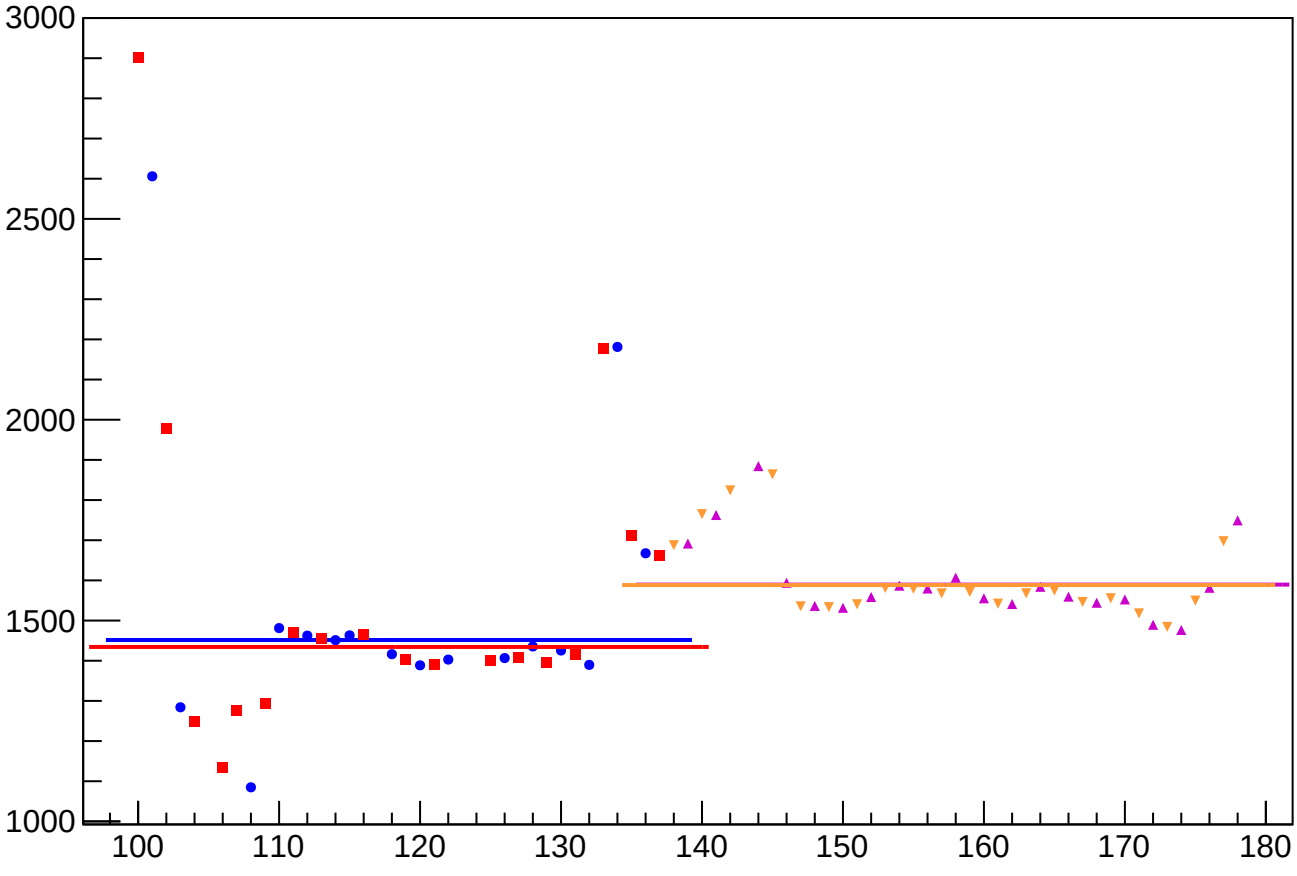
Left In: 112.523+/-393.935 χ^2/NDF:12.4/19

+ sign 243.185+/-323.189 χ^2/NDF: 47.4/35

All: 166.874+/-227.155 χ^2/NDF: 82.4/73

- sign 92.372+/-319.336 χ^2/NDF: 35.0/37

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1588.436+/-0.283 χ^2/NDF:101309.3/19

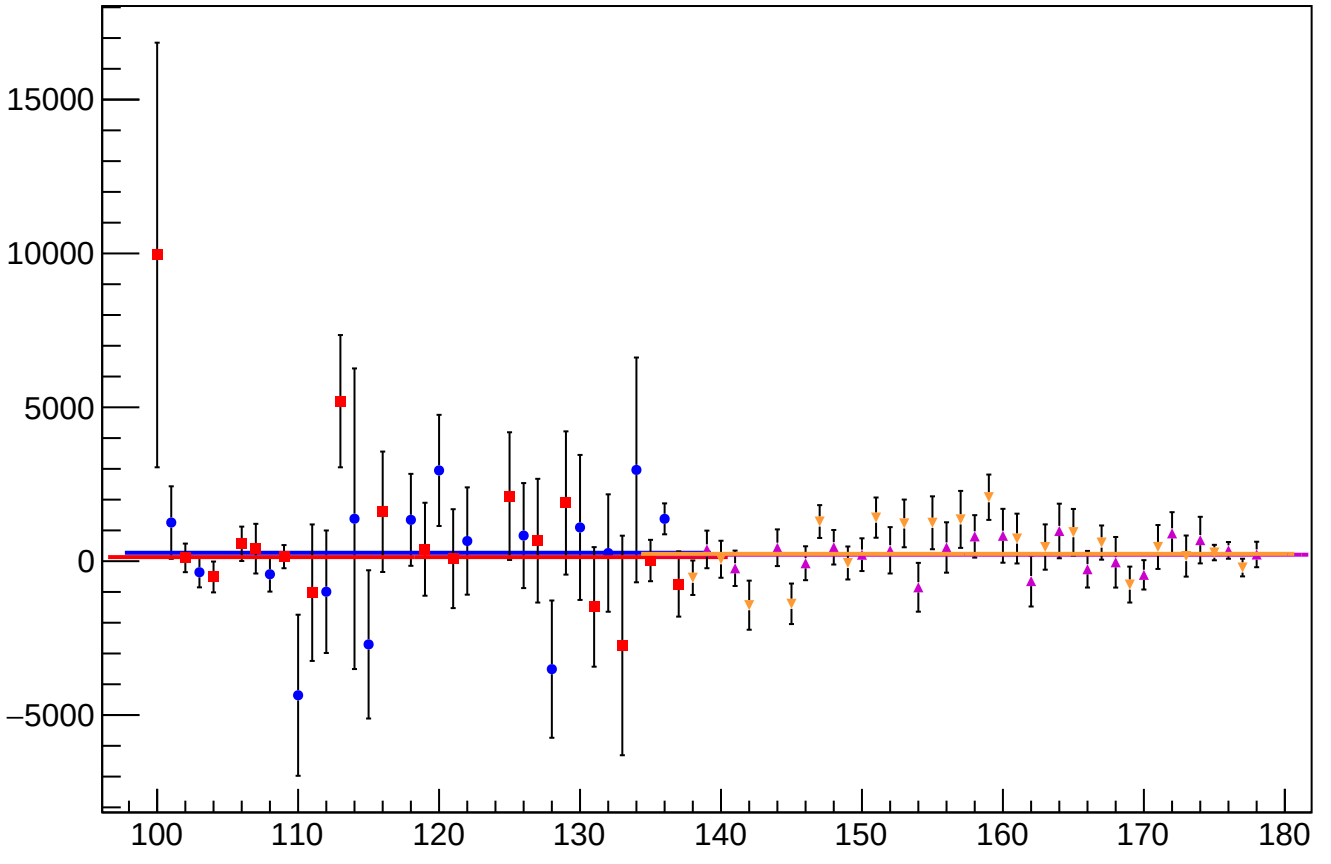
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1589.513+/-0.279 χ^2/NDF:108763.2/19

+ sign 1541.118+/-0.229 χ^2/NDF: 670271.2/35

All: 1538.681+/-0.161 χ^2/NDF: 1214279.1/73

- sign 1536.301+/-0.226 χ^2/NDF: 543783.1/37



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: 238.355+/-120.662 χ^2/NDF:37.8/19

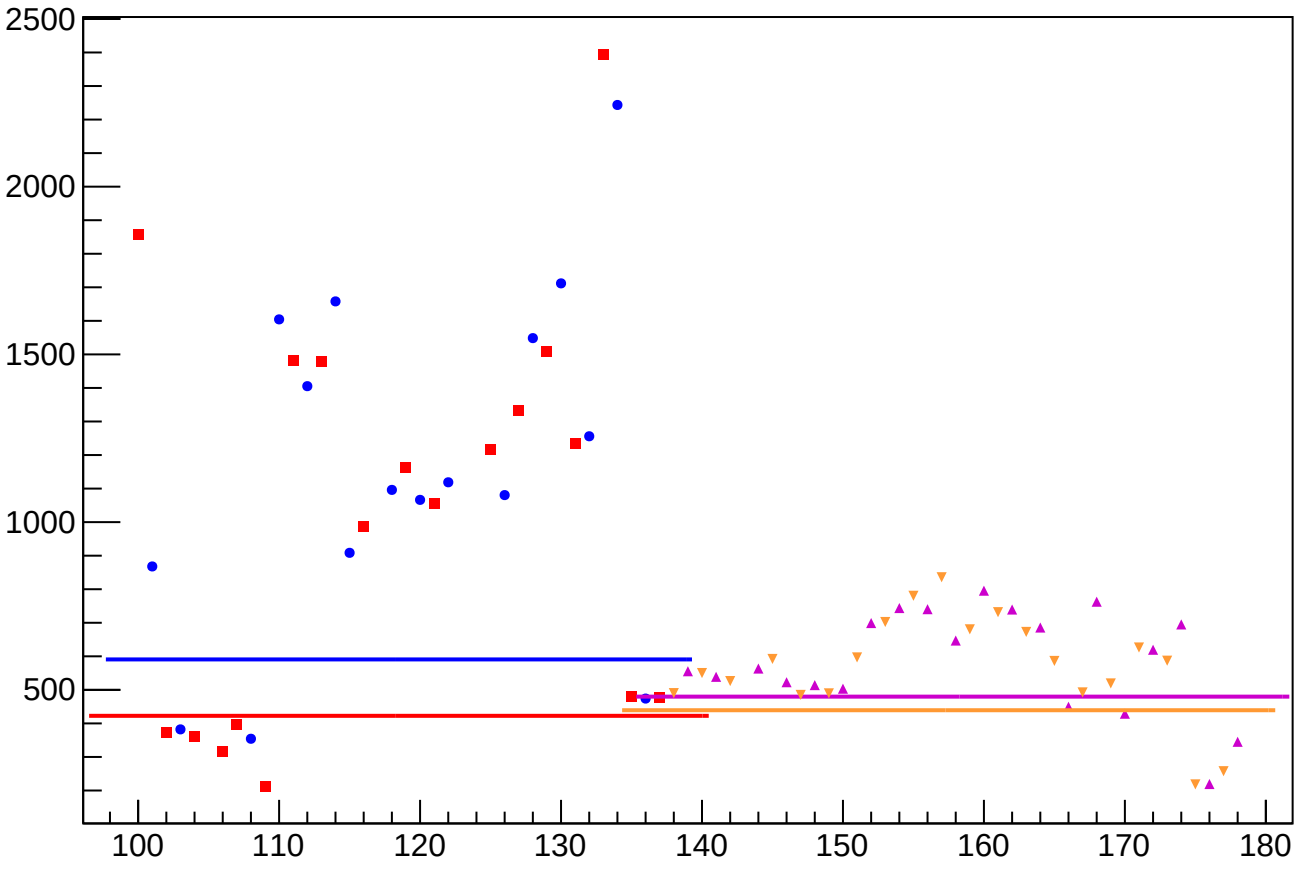
Right Out: 132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: 210.437+/-127.514 χ^2/NDF:10.5/19

+ sign 244.551+/-109.490 χ^2/NDF: 58.0/35

All: 215.218+/-76.479 χ^2/NDF: 83.2/73

- sign 187.270+/-106.874 χ^2/NDF: 25.0/37



Right In: 590.749+/-0.184 χ^2/NDF: 3885502.1/15

Left Out: 439.288+/-0.085 χ^2/NDF:4670931.3/19

Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

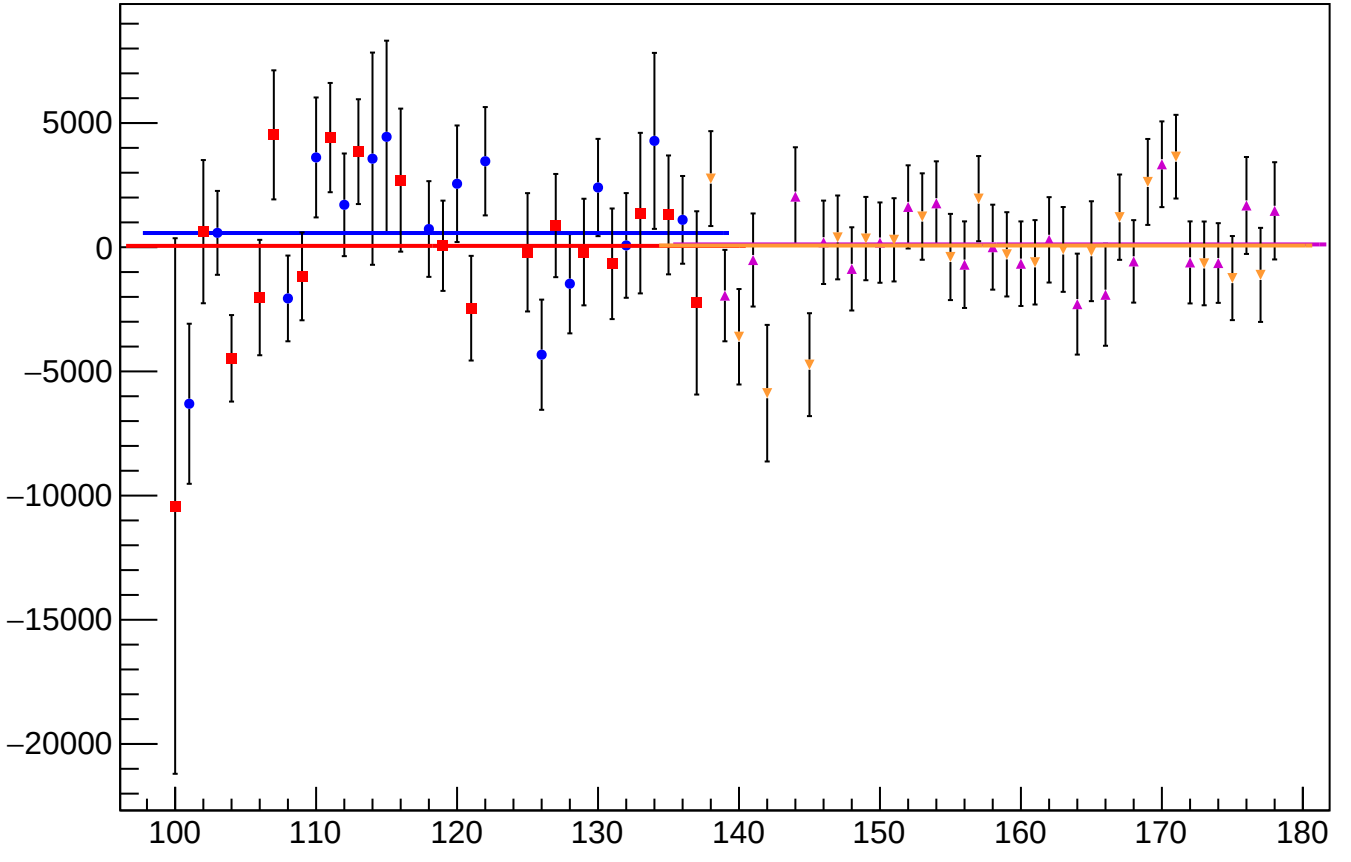
Left In: 479.848+/-0.090 χ^2/NDF:3960666.2/19

+ sign 466.037+/-0.077 χ^2/NDF: 9112979.8/35

All: 464.391+/-0.054 χ^2/NDF: 18052362.9/73

- sign 462.824+/-0.076 χ^2/NDF: 8938501.0/37

eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 572.290+/-549.638 χ^2/NDF: 20.8/15

Left Out: 69.260+/-399.562 χ^2/NDF:26.0/19

Right Out: 53.752+/-545.353 χ^2/NDF: 22.5/17

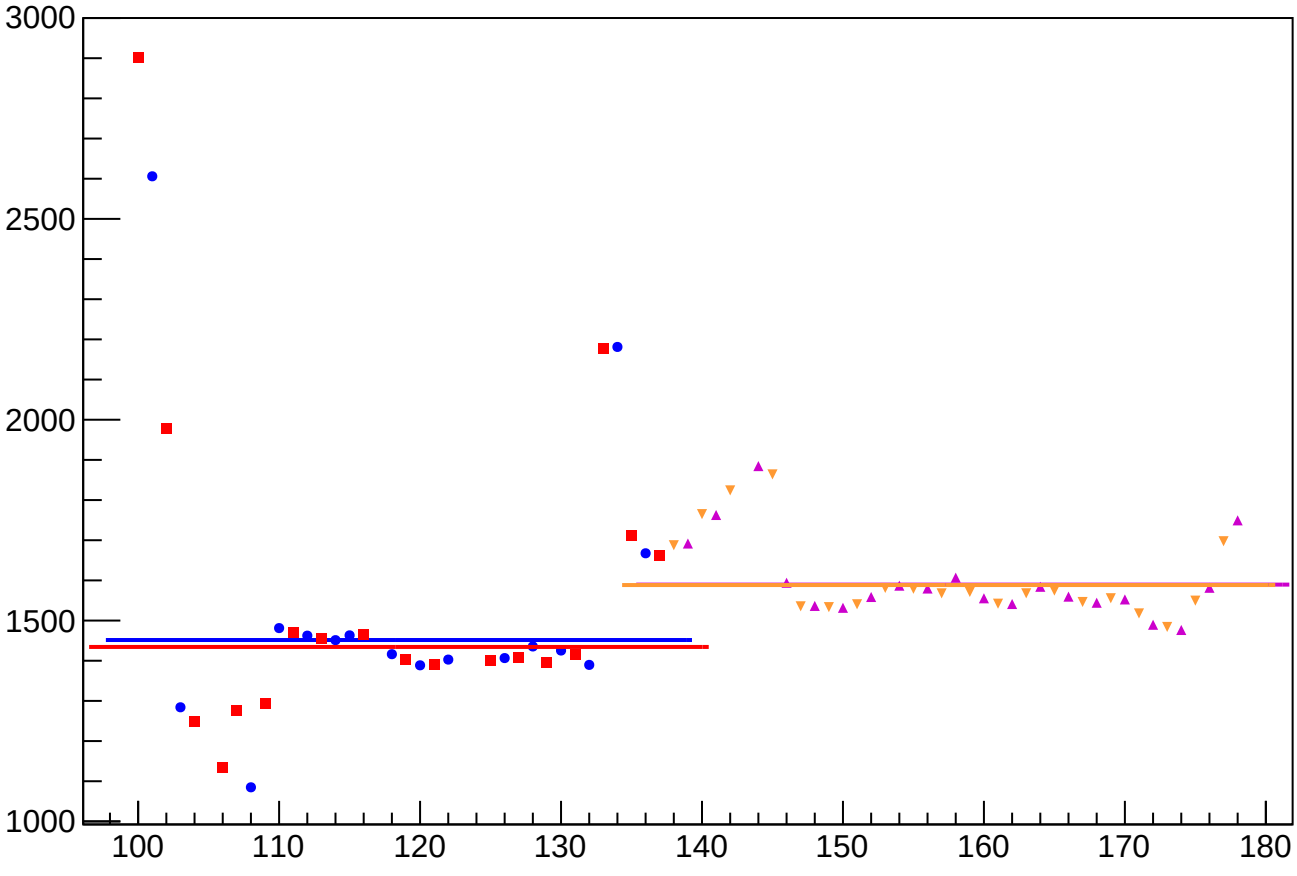
Left In: 112.520+/-393.935 χ^2/NDF:12.4/19

+ sign 243.182+/-323.189 χ^2/NDF: 47.4/35

All: 166.872+/-227.155 χ^2/NDF: 82.4/73

- sign 92.370+/-319.336 χ^2/NDF: 35.0/37

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: 1588.436+/-0.283 χ^2/NDF:101310.4/19

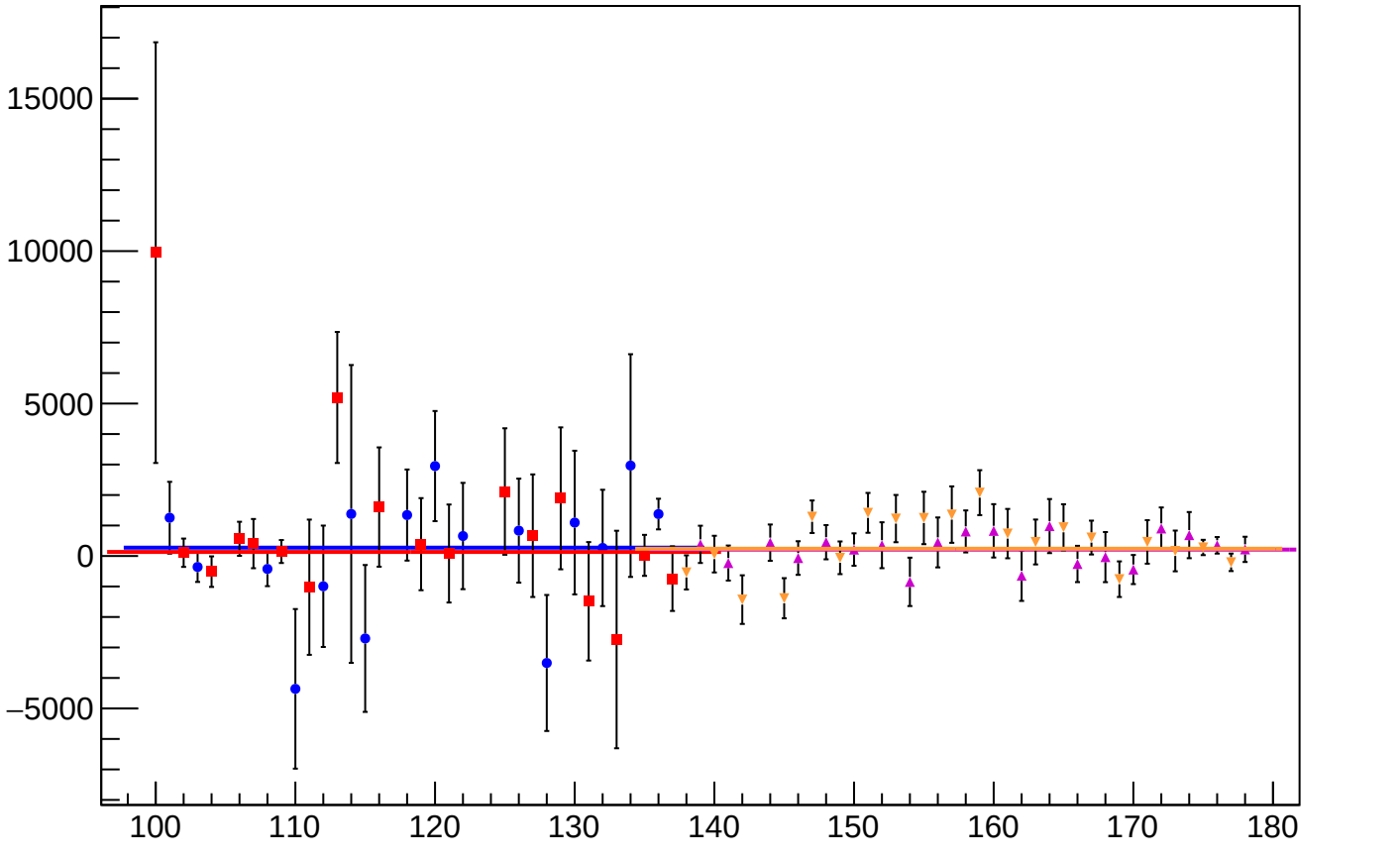
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1589.513+/-0.279 χ^2/NDF:108763.6/19

+ sign 1541.118+/-0.229 χ^2/NDF: 670271.7/35

All: 1538.680+/-0.161 χ^2/NDF: 1214279.8/73

- sign 1536.301+/-0.226 χ^2/NDF: 543783.3/37



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: 238.361+/-120.662 χ^2/NDF:37.8/19

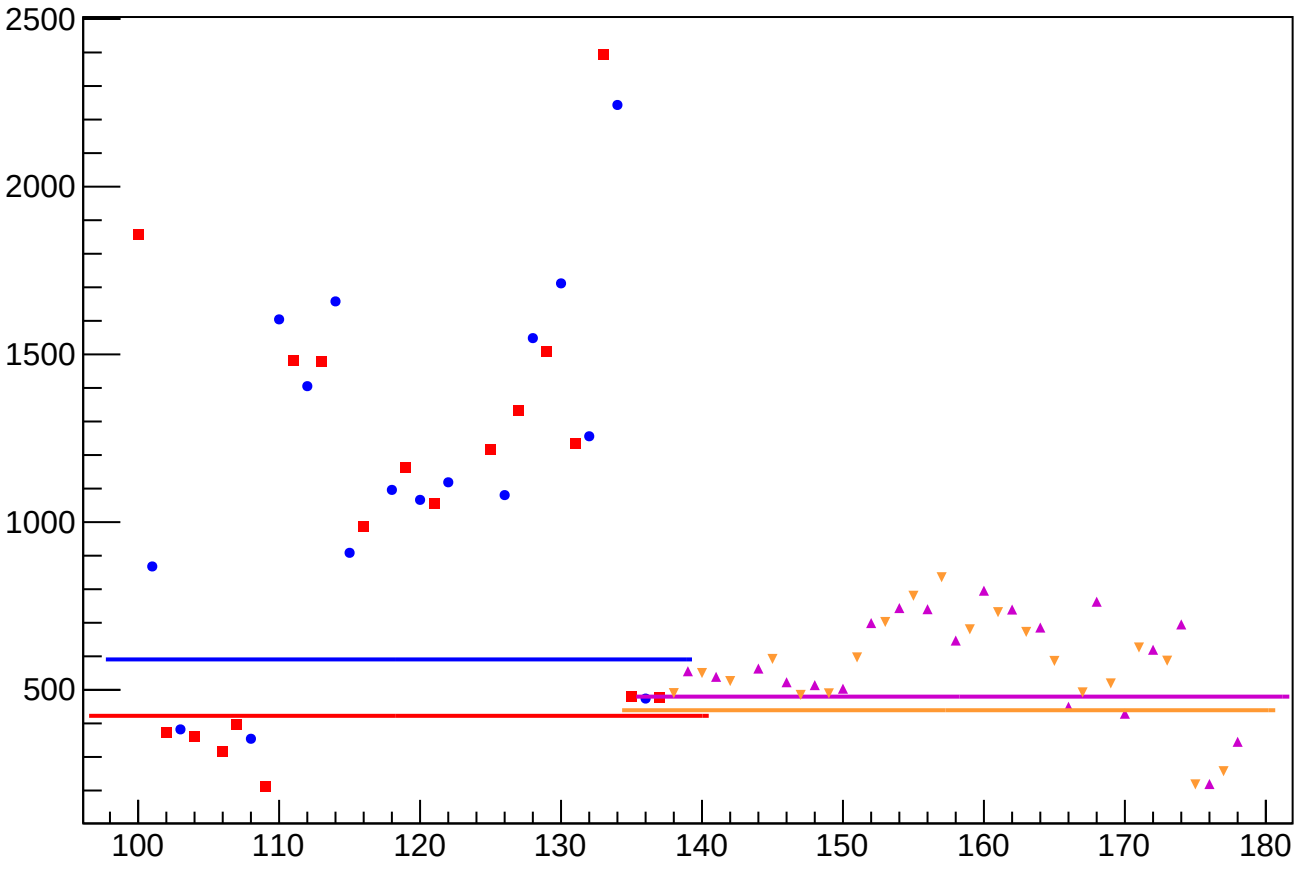
Right Out: 132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: 210.437+/-127.515 χ^2/NDF:10.5/19

+ sign 244.555+/-109.490 χ^2/NDF: 58.1/35

All: 215.219+/-76.480 χ^2/NDF: 83.2/73

- sign 187.269+/-106.875 χ^2/NDF: 25.0/37



Right In: 590.747+/-0.184 χ^2/NDF: 3885530.6/15

Left Out: 439.292+/-0.085 χ^2/NDF:4670800.8/19

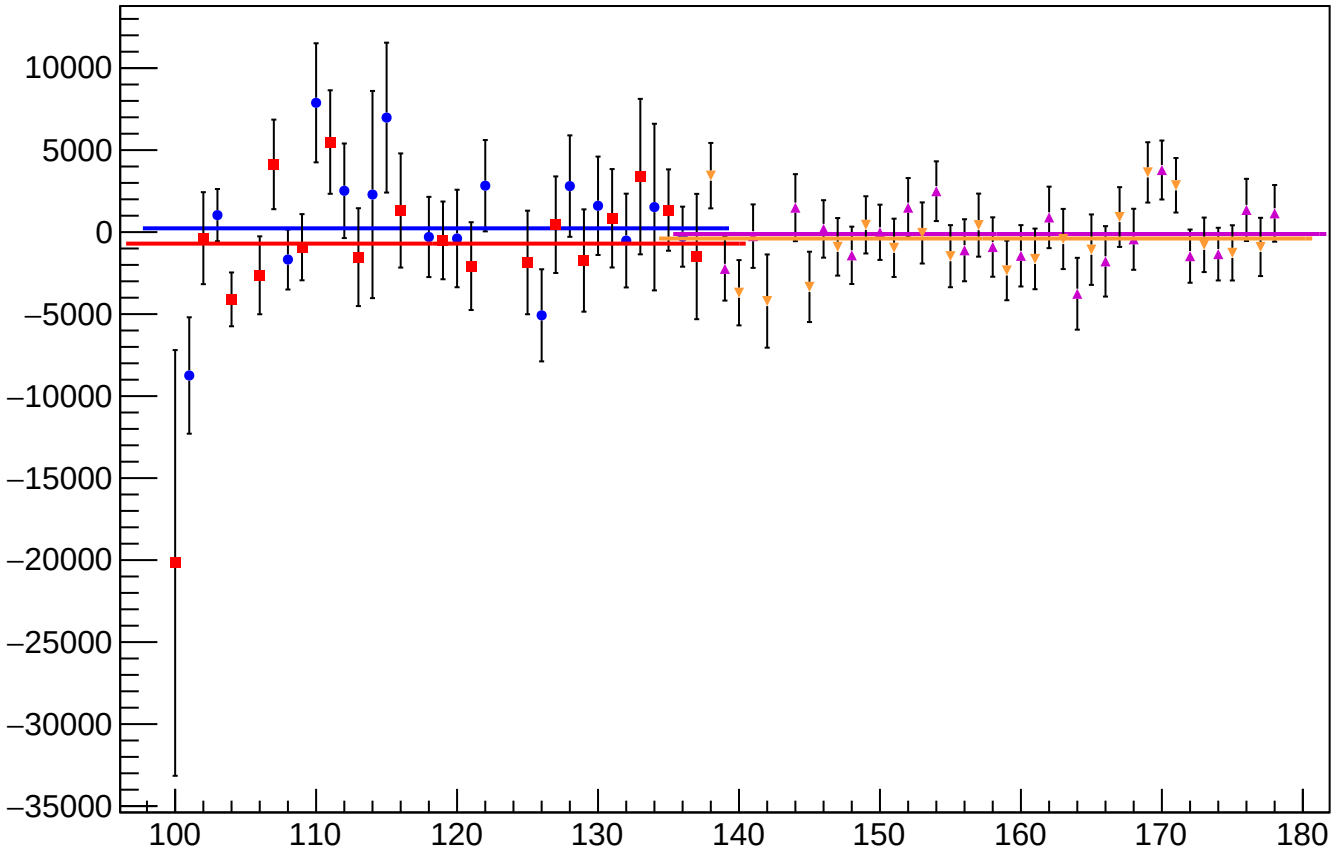
Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

Left In: 479.851+/-0.090 χ^2/NDF:3960577.8/19

+ sign 466.040+/-0.077 χ^2/NDF: 9112833.6/35

All: 464.395+/-0.054 χ^2/NDF: 18052031.6/73

- sign 462.827+/-0.076 χ^2/NDF: 8938315.9/37



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -390.074+/-416.956 χ^2/NDF:22.3/19

Right Out: -702.268+/-648.319 χ^2/NDF: 17.0/17

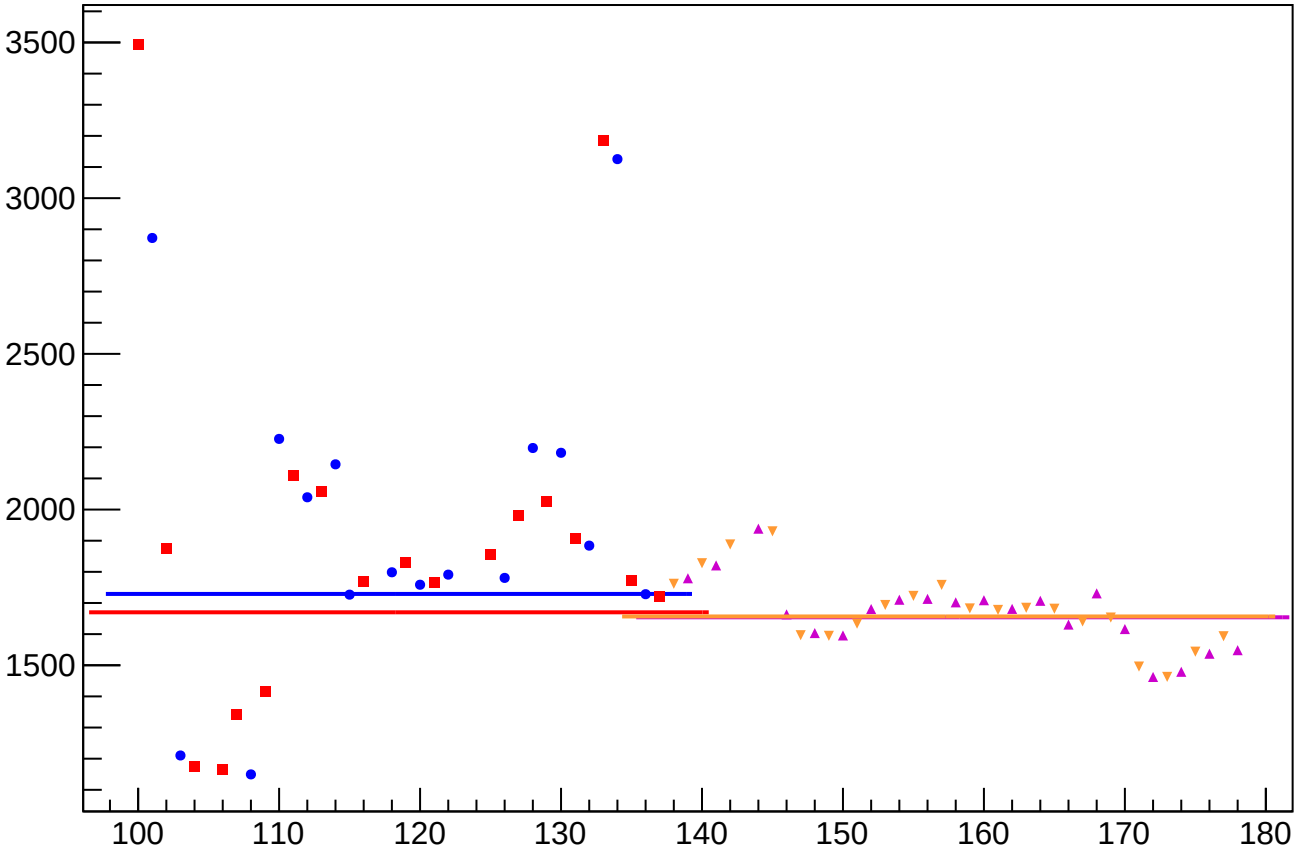
Left In: -115.611+/-410.105 χ^2/NDF:17.0/19

\+ sign -215.347+/-353.446 χ^2/NDF: 43.7/35

All: -249.974+/-247.462 χ^2/NDF: 78.4/73

\- sign -283.269+/-346.584 χ^2/NDF: 34.6/37

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1729.050+/-0.471 χ^2/NDF: 942079.1/15

Left Out: 1656.706+/-0.295 χ^2/NDF:139189.0/19

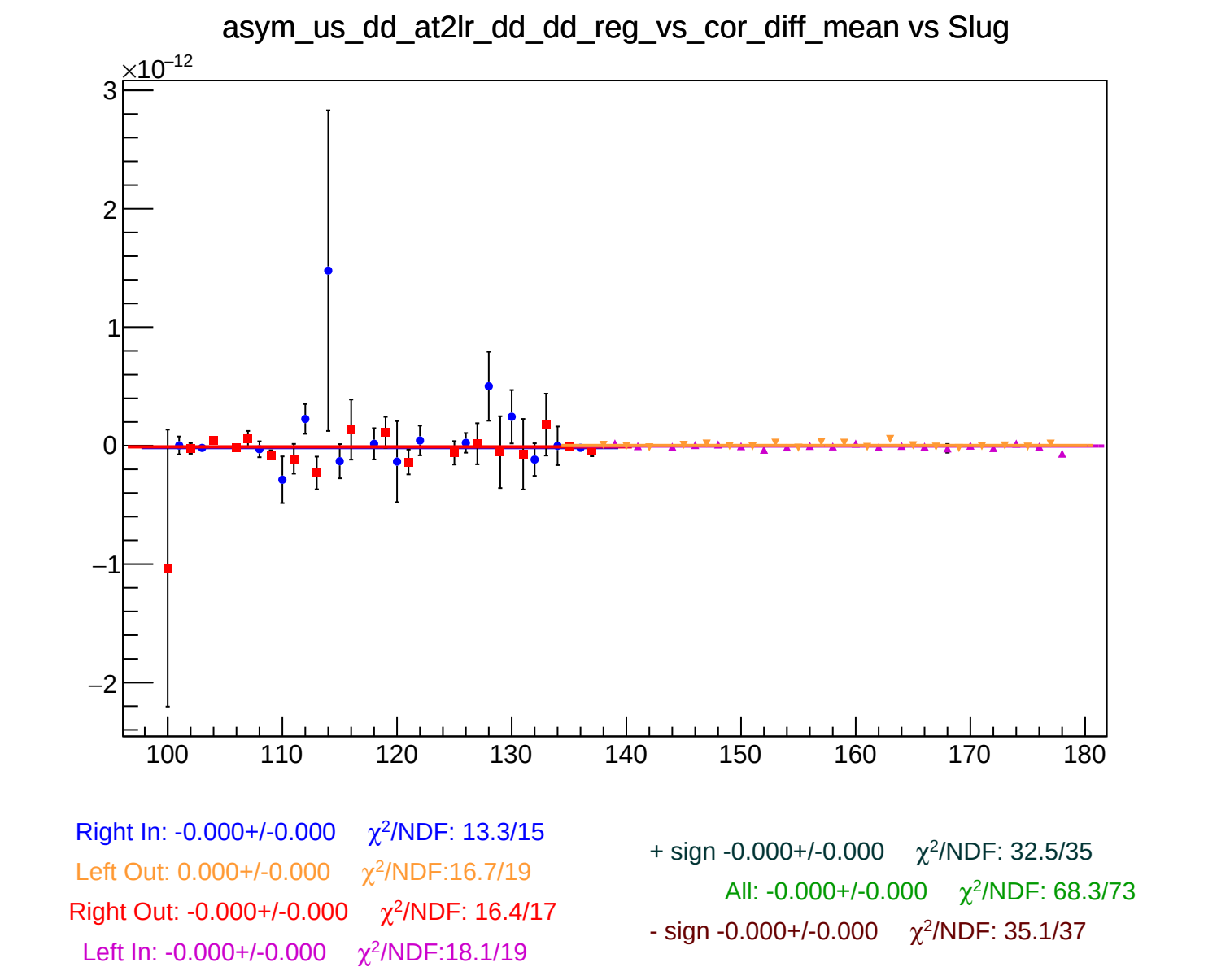
Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

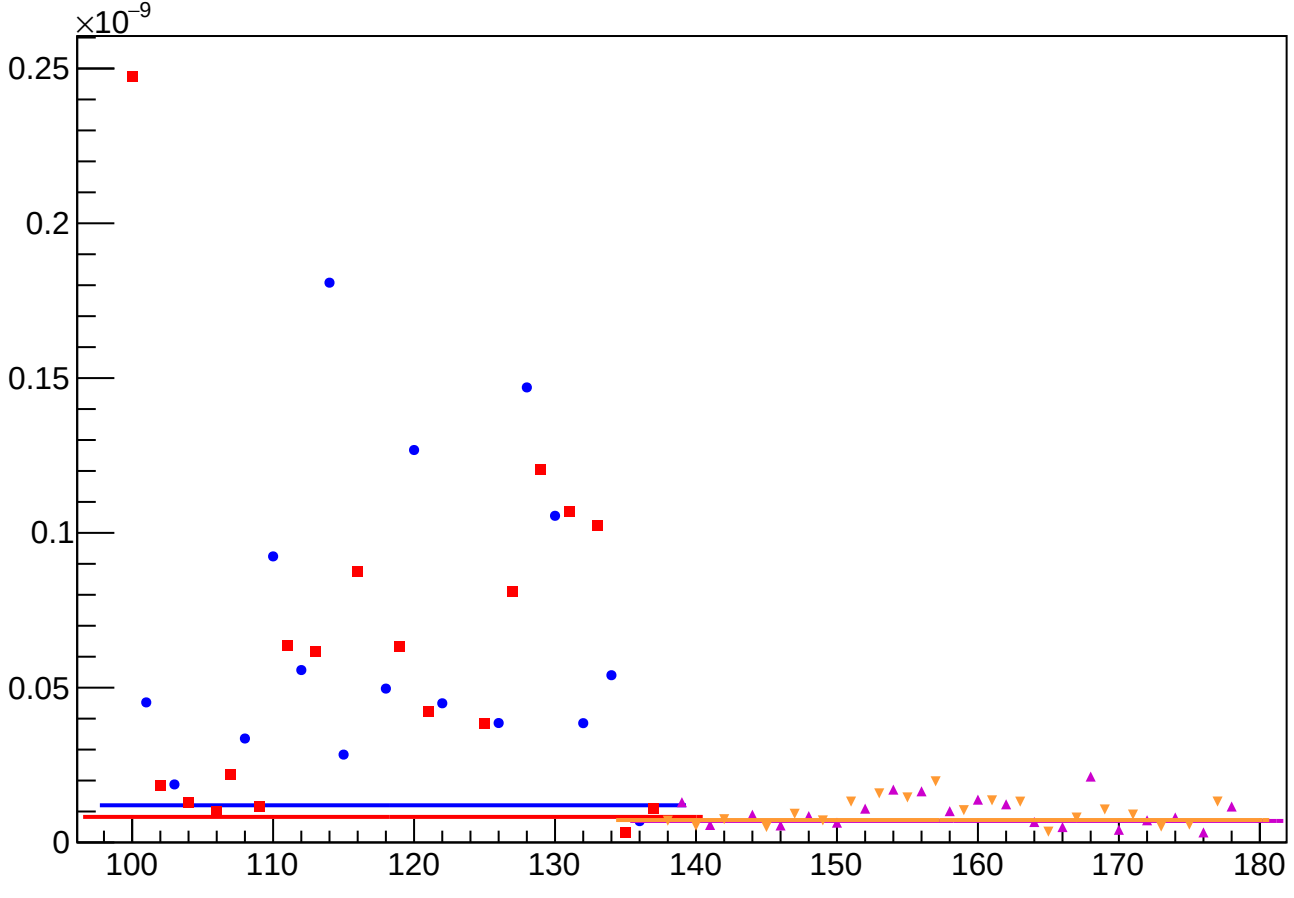
Left In: 1654.023+/-0.290 χ^2/NDF:146401.5/19

+ sign 1677.066+/-0.250 χ^2/NDF: 1098212.9/35

All: 1667.655+/-0.175 χ^2/NDF: 1992721.5/73

- sign 1658.605+/-0.245 χ^2/NDF: 891727.1/37


asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 13.3/15
Left Out: 0.000+/-0.000 χ²/NDF:16.7/19
Right Out: -0.000+/-0.000 χ²/NDF: 16.4/17
Left In: -0.000+/-0.000 χ²/NDF:18.1/19
+ sign -0.000+/-0.000 χ²/NDF: 32.5/35
All: -0.000+/-0.000 χ²/NDF: 68.3/73
- sign -0.000+/-0.000 χ²/NDF: 35.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2043347.4/19

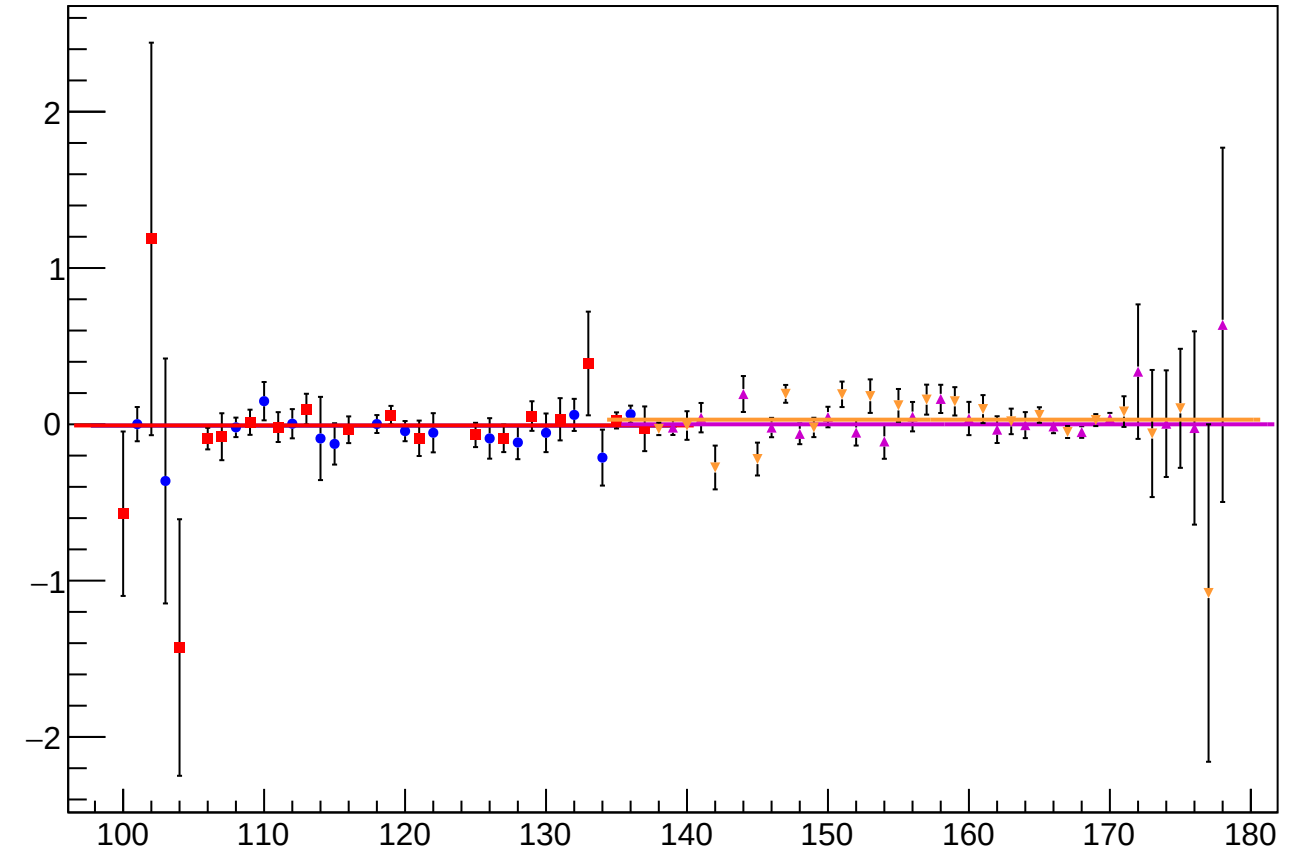
Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2335823.4/19

+ sign 0.000+/-0.000 χ^2/NDF: 5863407.9/35

All: 0.000+/-0.000 χ^2/NDF: 11785485.9/73

- sign 0.000+/-0.000 χ^2/NDF: 5886138.0/37



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:38.6/19

Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

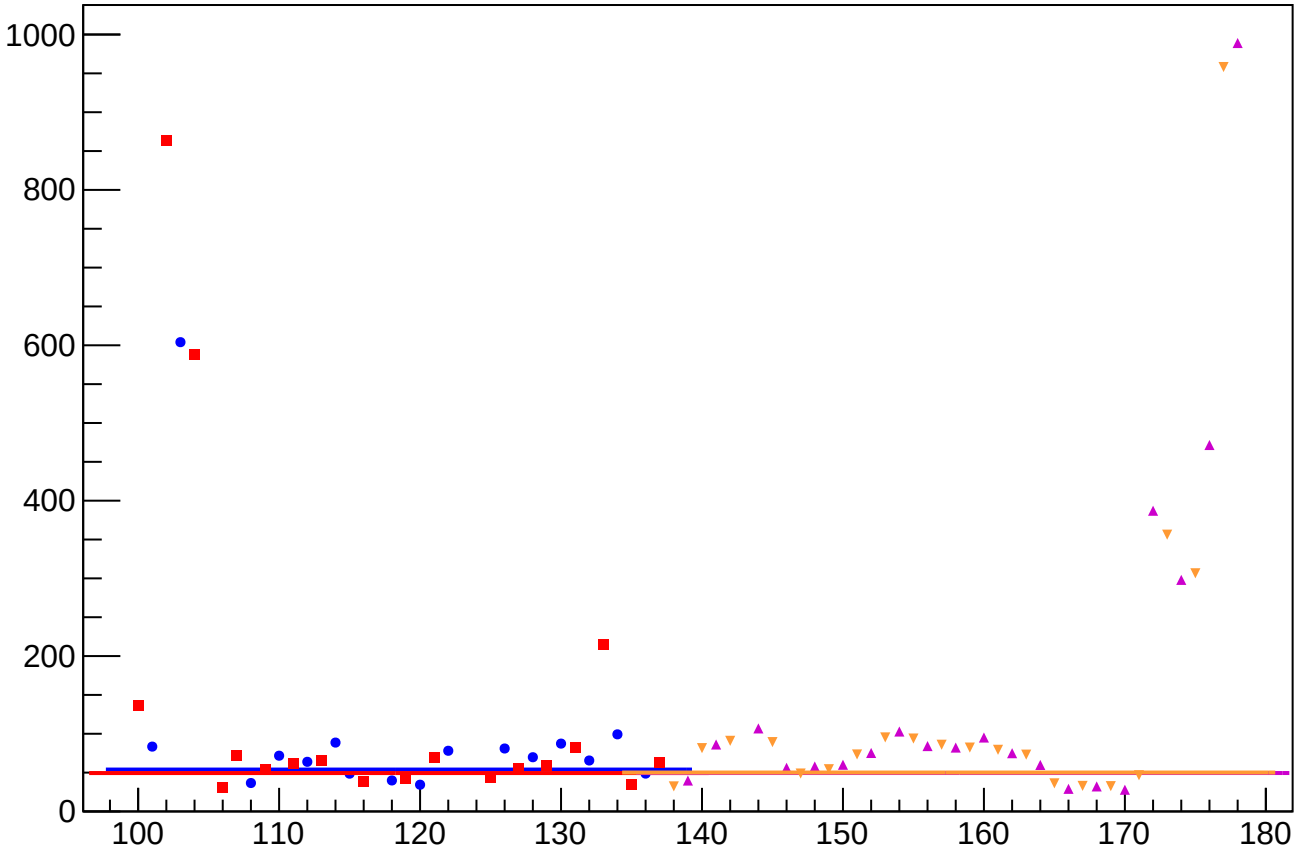
Left In: 0.000+/-0.015 χ^2/NDF:13.9/19

+ sign 0.018+/-0.013 χ^2/NDF: 48.8/35

All: 0.008+/-0.009 χ^2/NDF: 77.7/73

- sign -0.002+/-0.013 χ^2/NDF: 27.6/37

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 50.105+/-0.011 χ^2/NDF:7293942.6/19

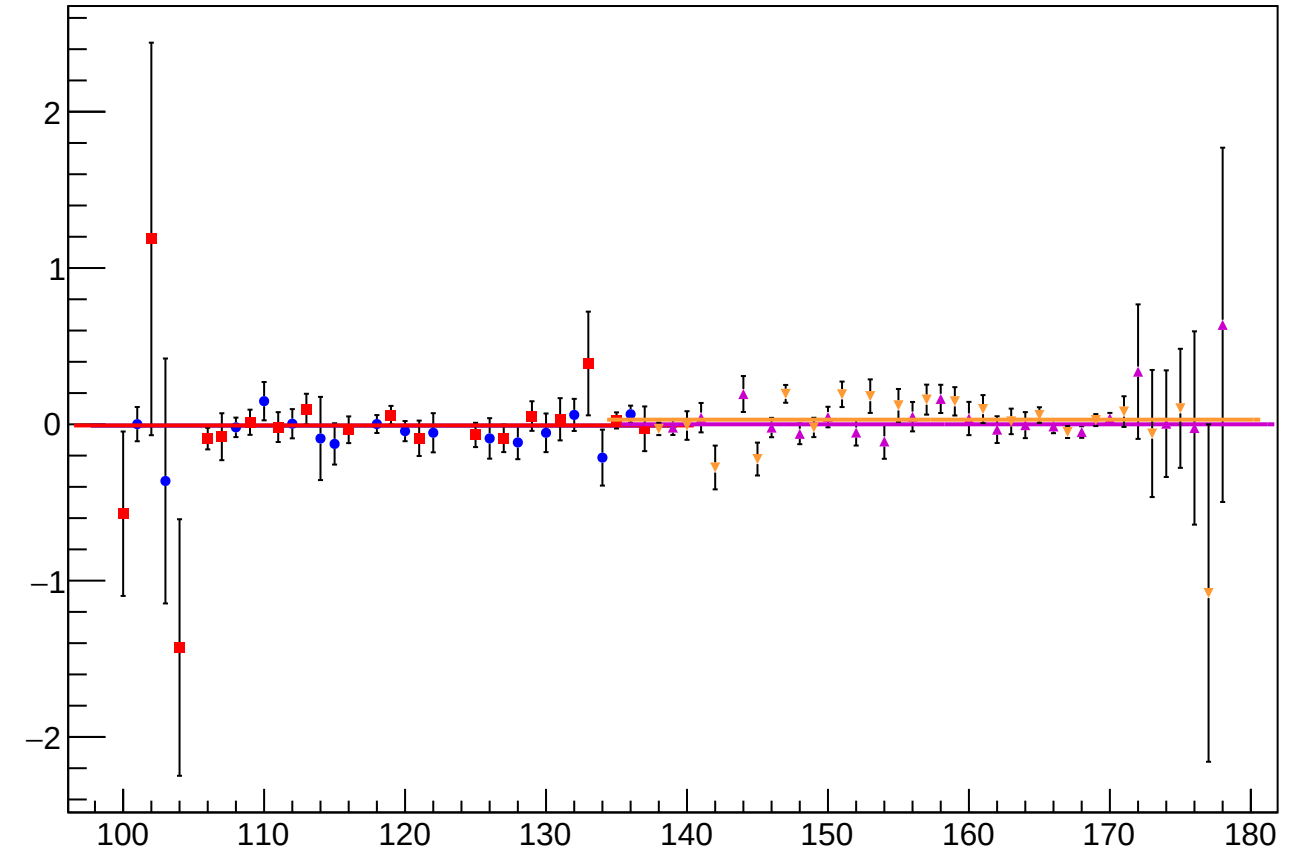
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 49.461+/-0.011 χ^2/NDF:9003123.3/19

+ sign 51.289+/-0.009 χ^2/NDF: 9546032.3/35

All: 50.348+/-0.006 χ^2/NDF: 21587816.1/73

- sign 49.448+/-0.009 χ^2/NDF: 12020847.2/37



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:38.6/19

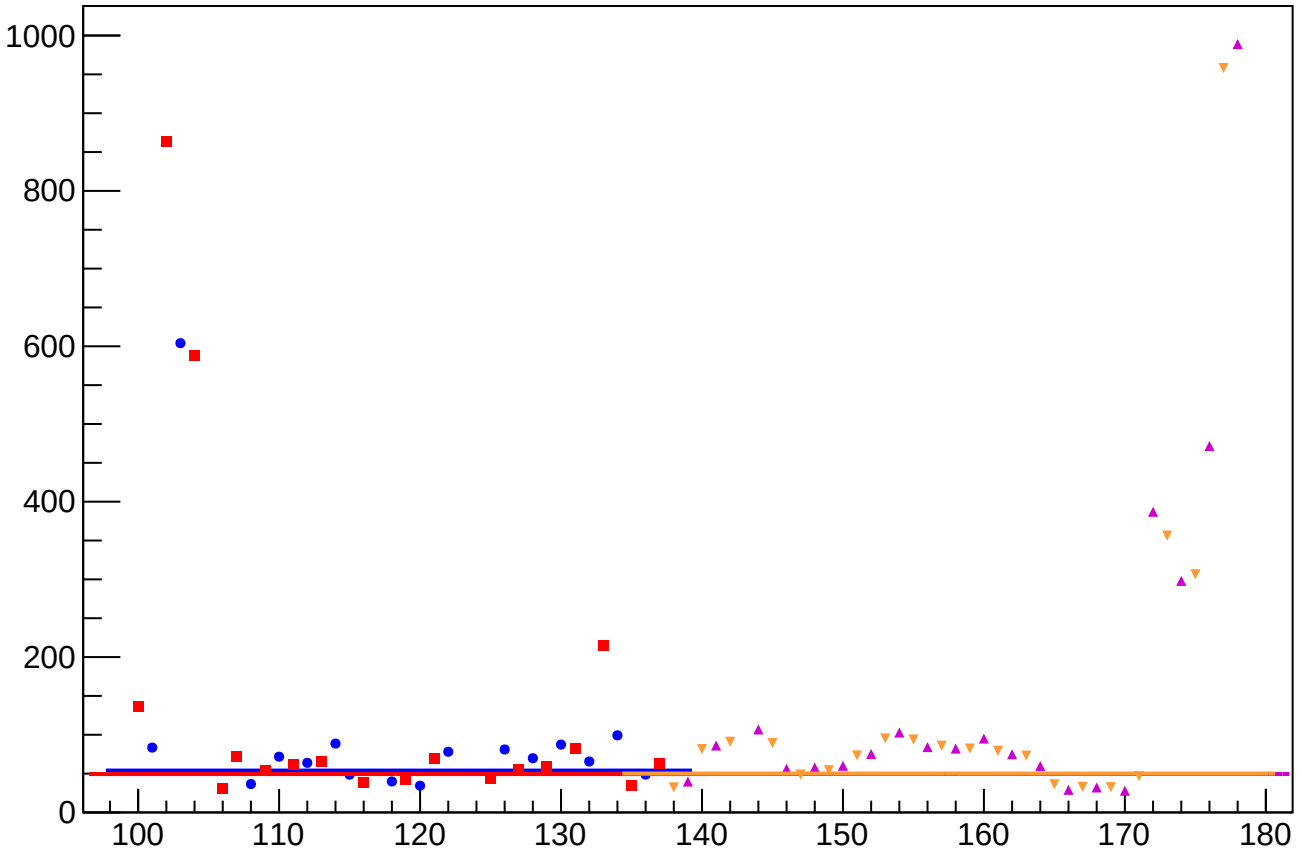
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.015 χ^2/NDF:13.9/19

+ sign 0.018+/-0.013 χ^2/NDF: 48.8/35

All: 0.008+/-0.009 χ^2/NDF: 77.7/73

- sign -0.002+/-0.013 χ^2/NDF: 27.6/37



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 50.105+/-0.011 χ^2/NDF:7293942.6/19

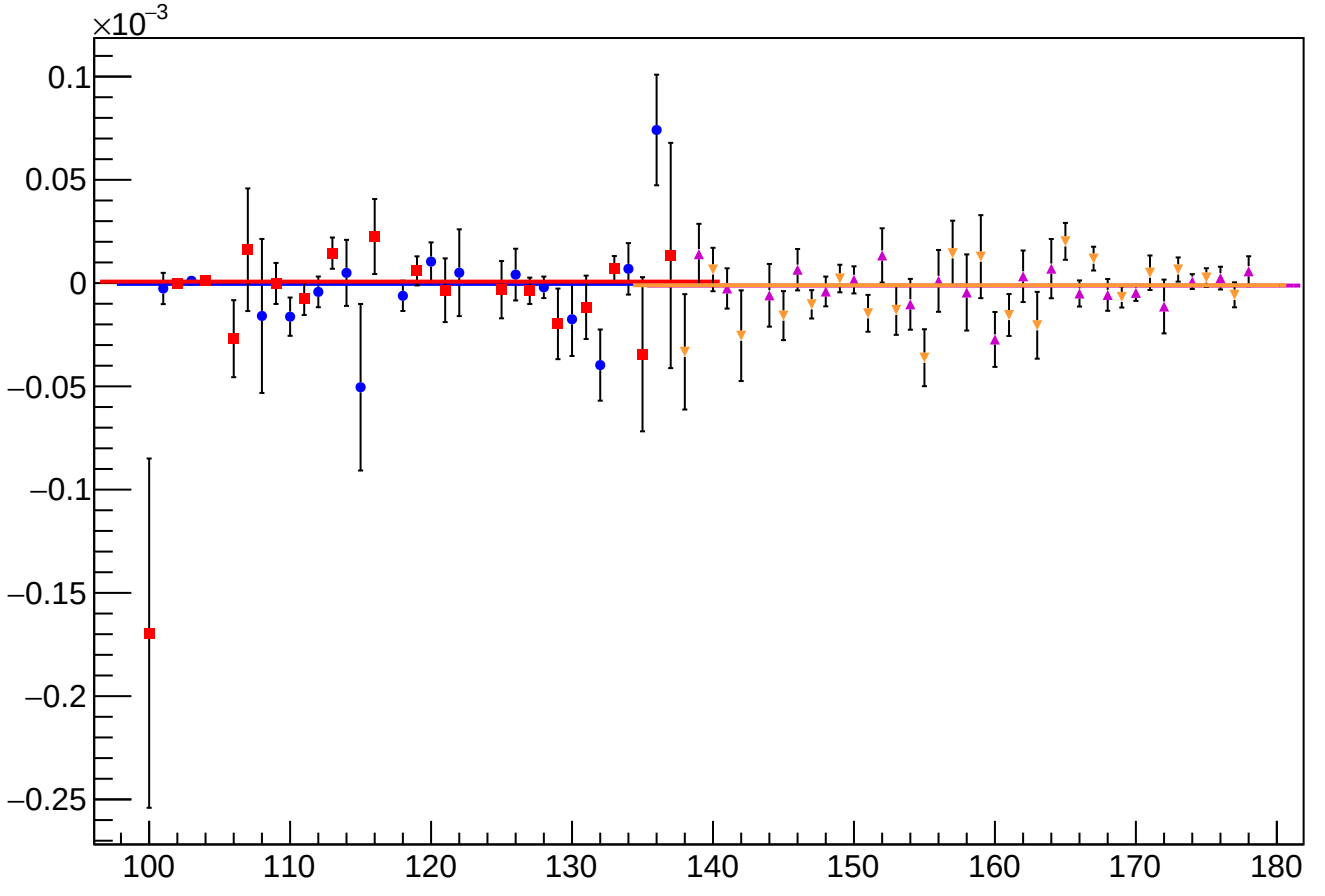
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 49.461+/-0.011 χ^2/NDF:9003123.3/19

+ sign 51.289+/-0.009 χ^2/NDF: 9546032.3/35

All: 50.348+/-0.006 χ^2/NDF: 21587816.1/73

- sign 49.448+/-0.009 χ^2/NDF: 12020847.2/37



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:36.7/19

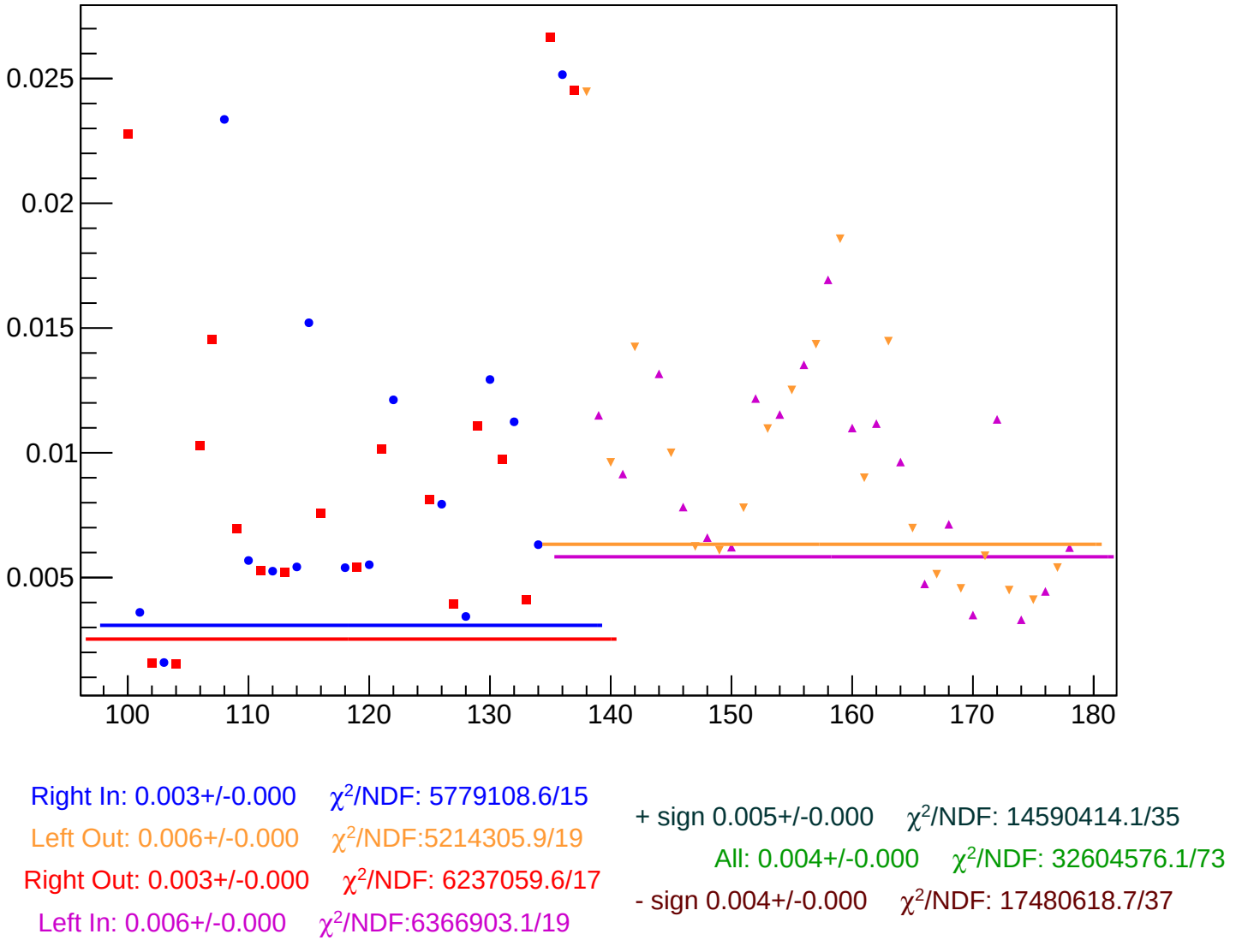
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/17

Left In: -0.000+/-0.000 χ^2/NDF:12.0/19

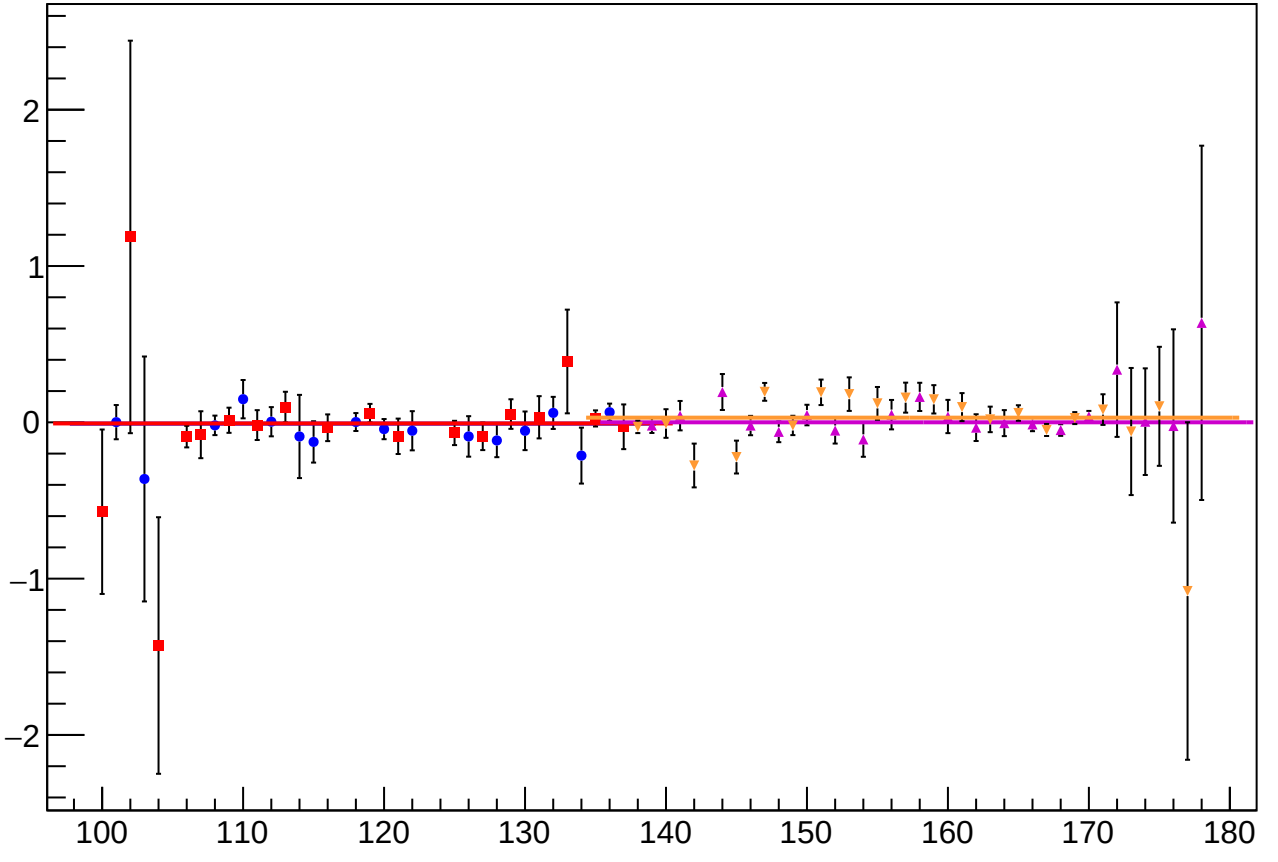
+ sign -0.000+/-0.000 χ^2/NDF: 58.9/35

All: -0.000+/-0.000 χ^2/NDF: 89.8/73

- sign 0.000+/-0.000 χ^2/NDF: 30.7/37


asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
Right In: 0.003+/-0.000 χ²/NDF: 5779108.6/15
Left Out: 0.006+/-0.000 χ²/NDF:5214305.9/19
Right Out: 0.003+/-0.000 χ²/NDF: 6237059.6/17
Left In: 0.006+/-0.000 χ²/NDF:6366903.1/19
+ sign 0.005+/-0.000 χ²/NDF: 14590414.1/35
All: 0.004+/-0.000 χ²/NDF: 32604576.1/73
- sign 0.004+/-0.000 χ²/NDF: 17480618.7/37

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:38.6/19

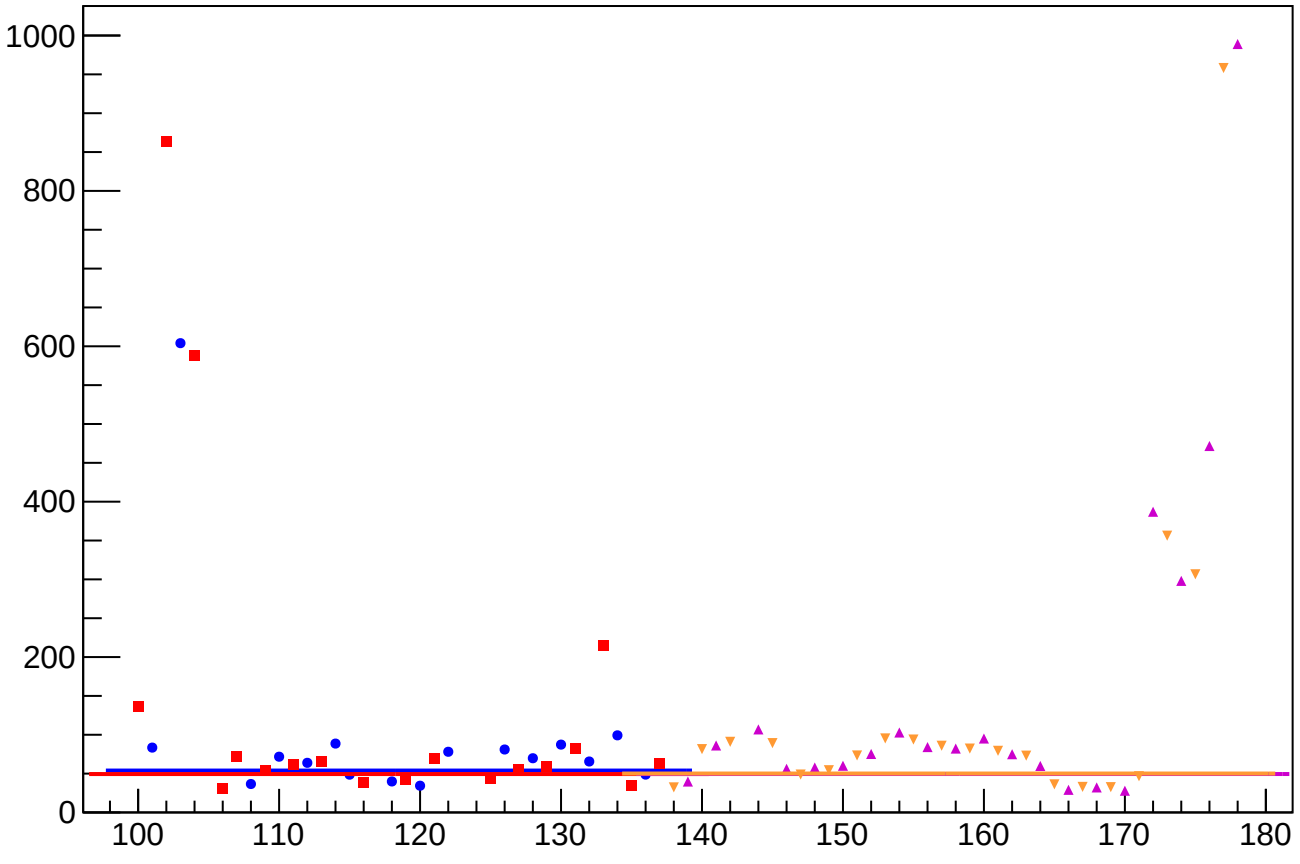
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.015 χ^2/NDF:13.9/19

+ sign 0.018+/-0.013 χ^2/NDF: 48.8/35

All: 0.008+/-0.009 χ^2/NDF: 77.7/73

- sign -0.002+/-0.013 χ^2/NDF: 27.6/37



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 50.107+/-0.011 χ^2/NDF:7293150.0/19

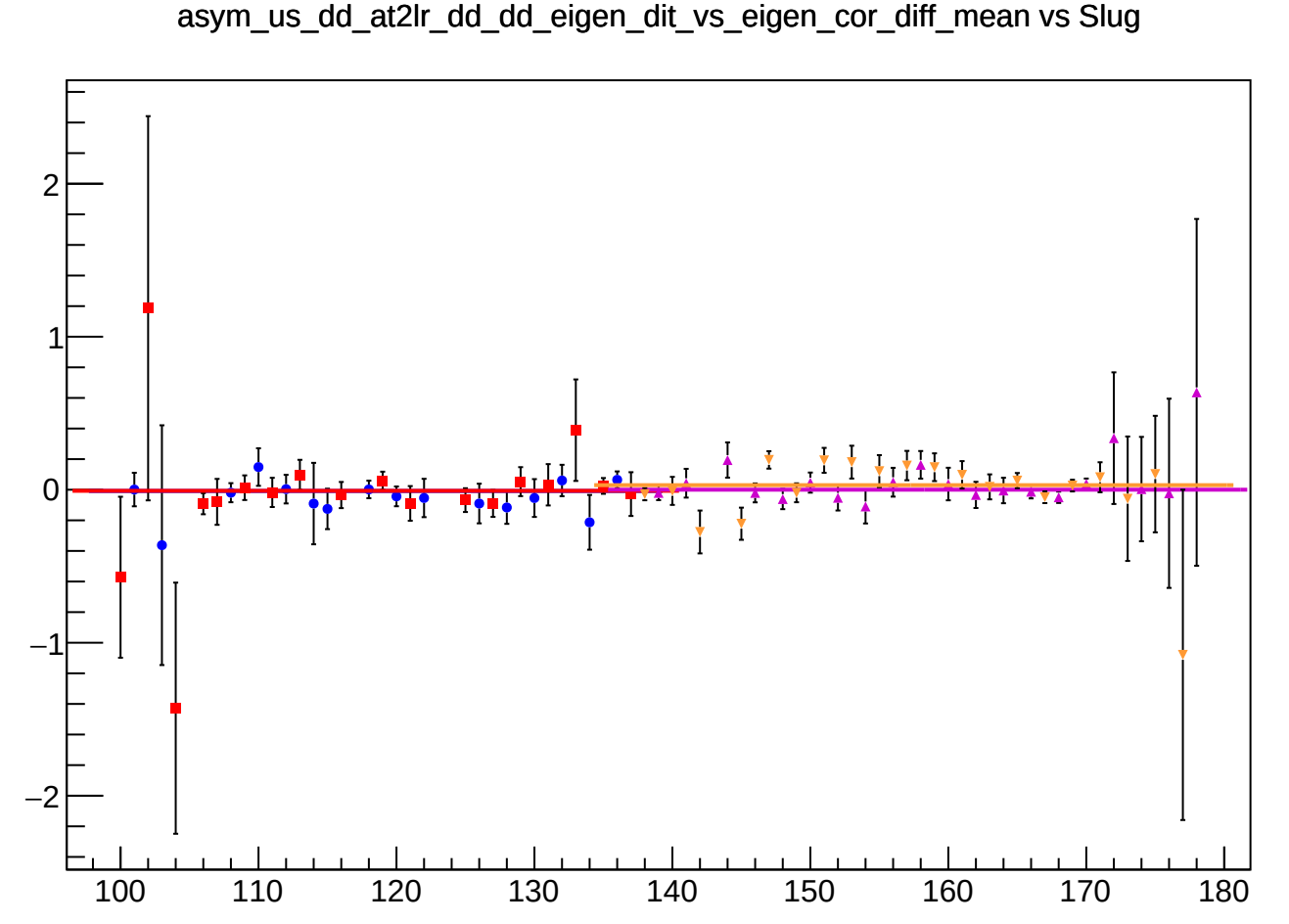
Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 49.461+/-0.011 χ^2/NDF:9003064.3/19

\+ sign 51.292+/-0.009 χ^2/NDF: 9544857.7/35

All: 50.350+/-0.006 χ^2/NDF: 21586346.6/73

\- sign 49.448+/-0.009 χ^2/NDF: 12020508.8/37



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:38.6/19

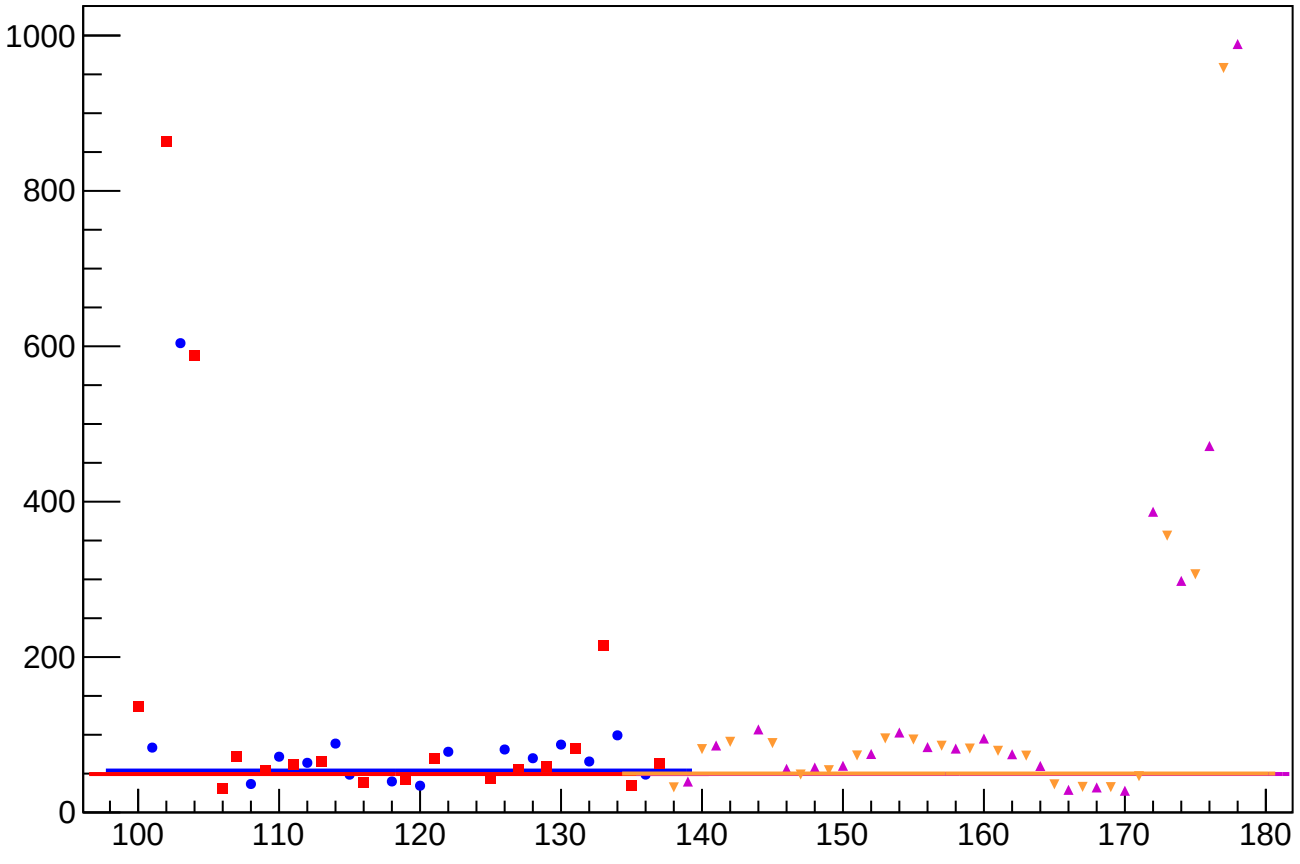
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.015 χ^2/NDF:13.9/19

+ sign 0.018+/-0.013 χ^2/NDF: 48.8/35

All: 0.008+/-0.009 χ^2/NDF: 77.7/73

- sign -0.002+/-0.013 χ^2/NDF: 27.6/37



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 50.107+/-0.011 χ^2/NDF:7293150.0/19

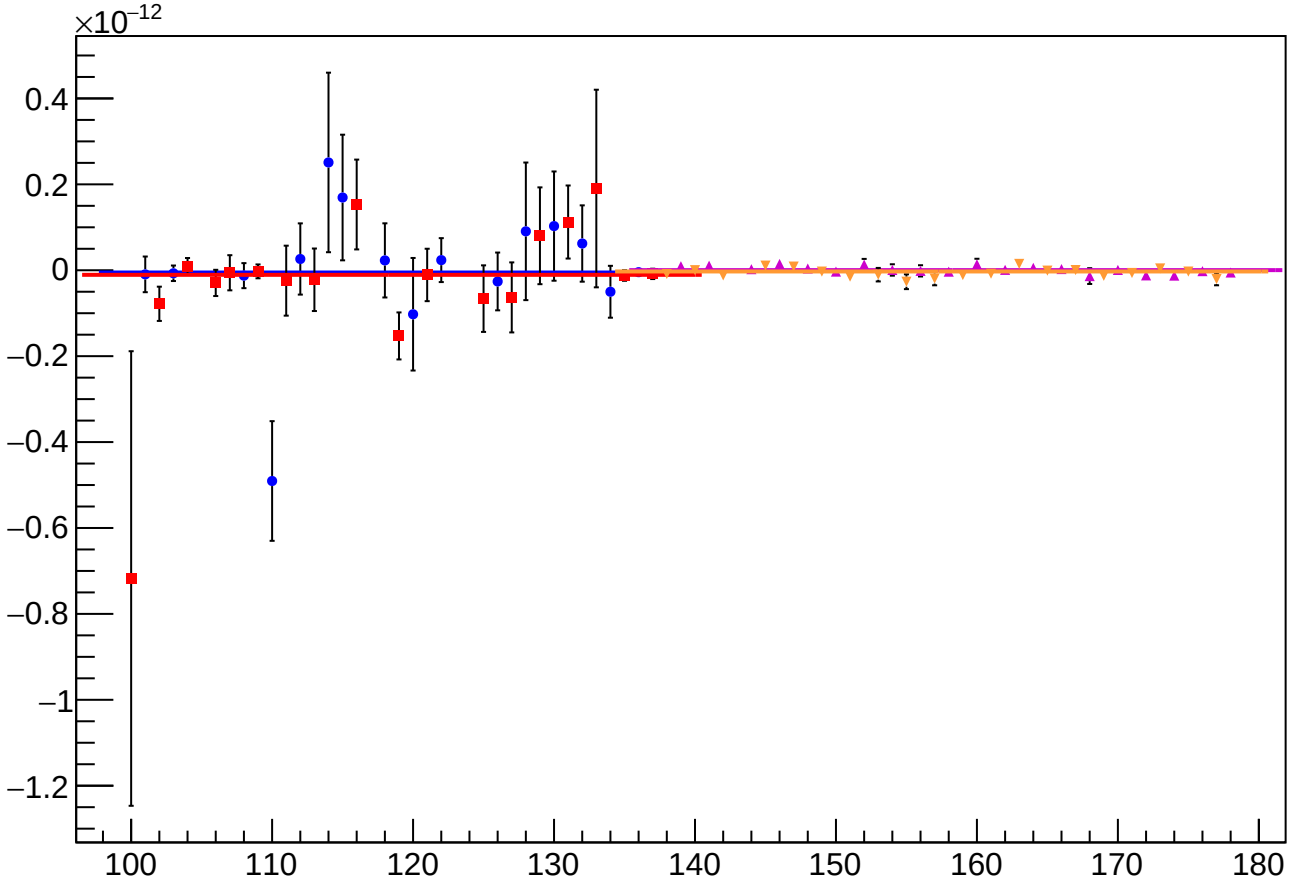
Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 49.461+/-0.011 χ^2/NDF:9003064.3/19

+ sign 51.292+/-0.009 χ^2/NDF: 9544857.7/35

All: 50.350+/-0.006 χ^2/NDF: 21586346.6/73

- sign 49.448+/-0.009 χ^2/NDF: 12020508.8/37



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.3/19

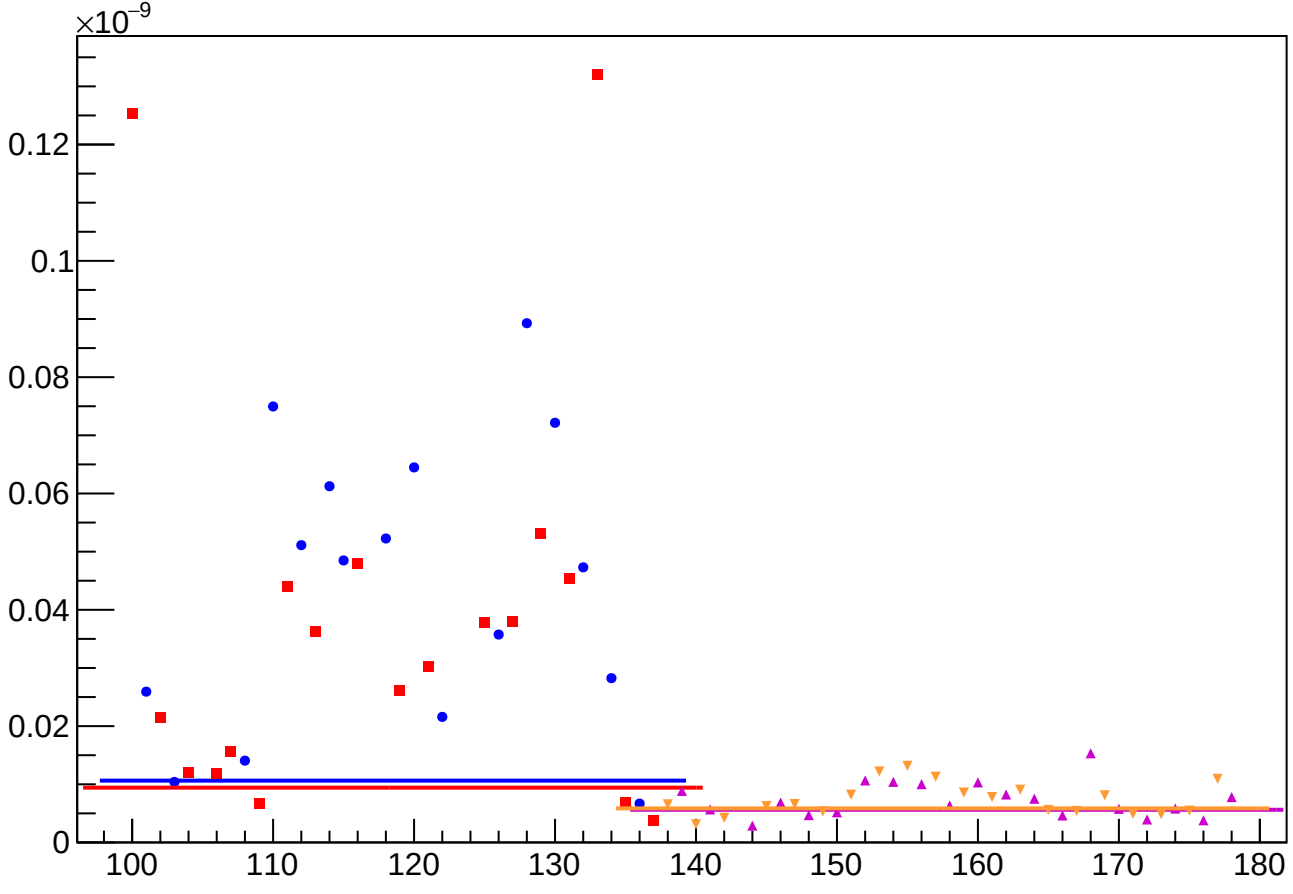
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: 0.000+/-0.000 χ^2/NDF:17.4/19

+ sign -0.000+/-0.000 χ^2/NDF: 37.0/35

All: -0.000+/-0.000 χ^2/NDF: 78.1/73

- sign -0.000+/-0.000 χ^2/NDF: 40.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 4557309.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2642047.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

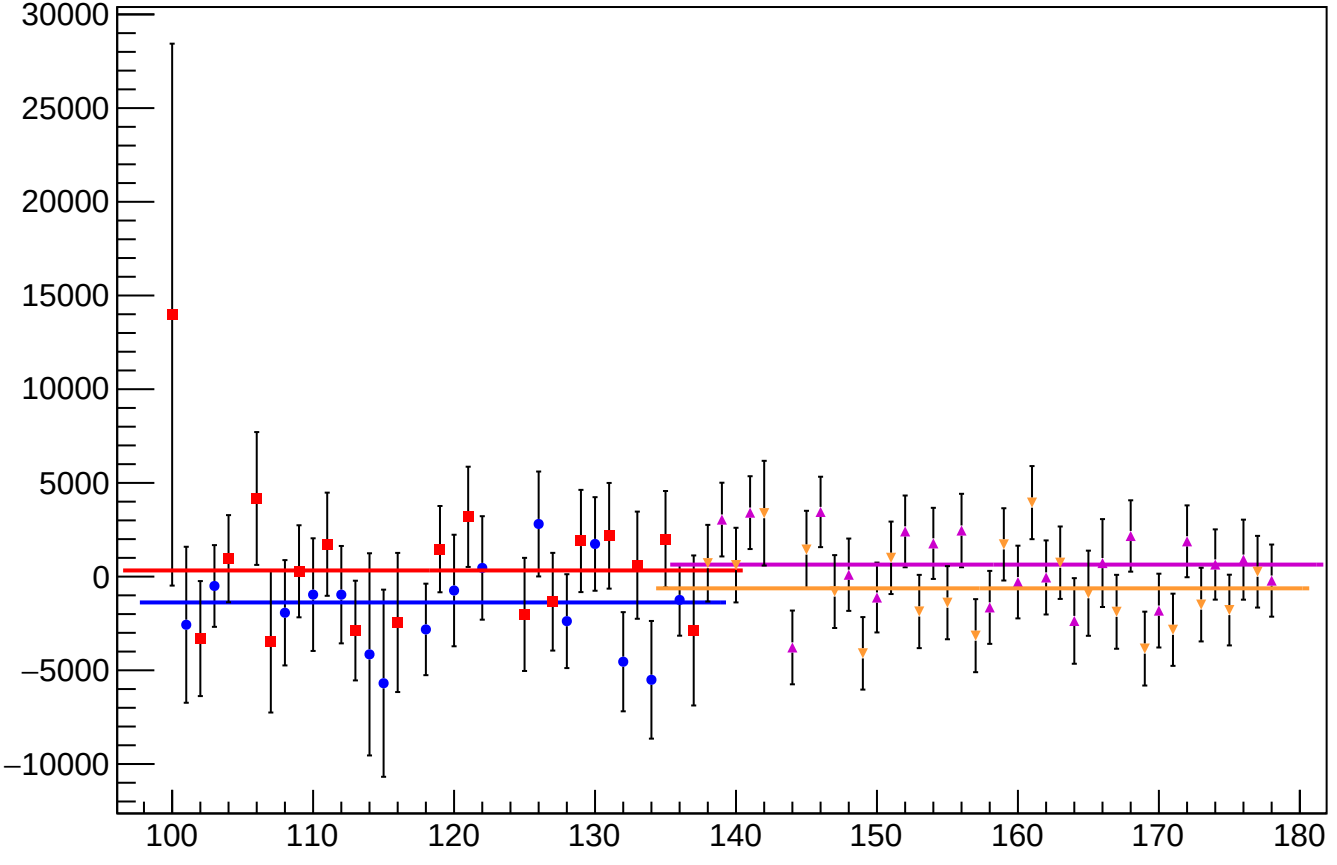
Left In: 0.000+/-0.000 χ^2/NDF:3131953.1/19

+ sign 0.000+/-0.000 χ^2/NDF: 8102869.5/35

All: 0.000+/-0.000 χ^2/NDF: 15936130.7/73

- sign 0.000+/-0.000 χ^2/NDF: 7804633.2/37

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.758+/-689.030 χ^2/NDF: 9.3/15

Left Out: -625.950+/-445.879 χ^2/NDF:22.7/19

Right Out: 328.770+/-683.888 χ^2/NDF: 11.0/17

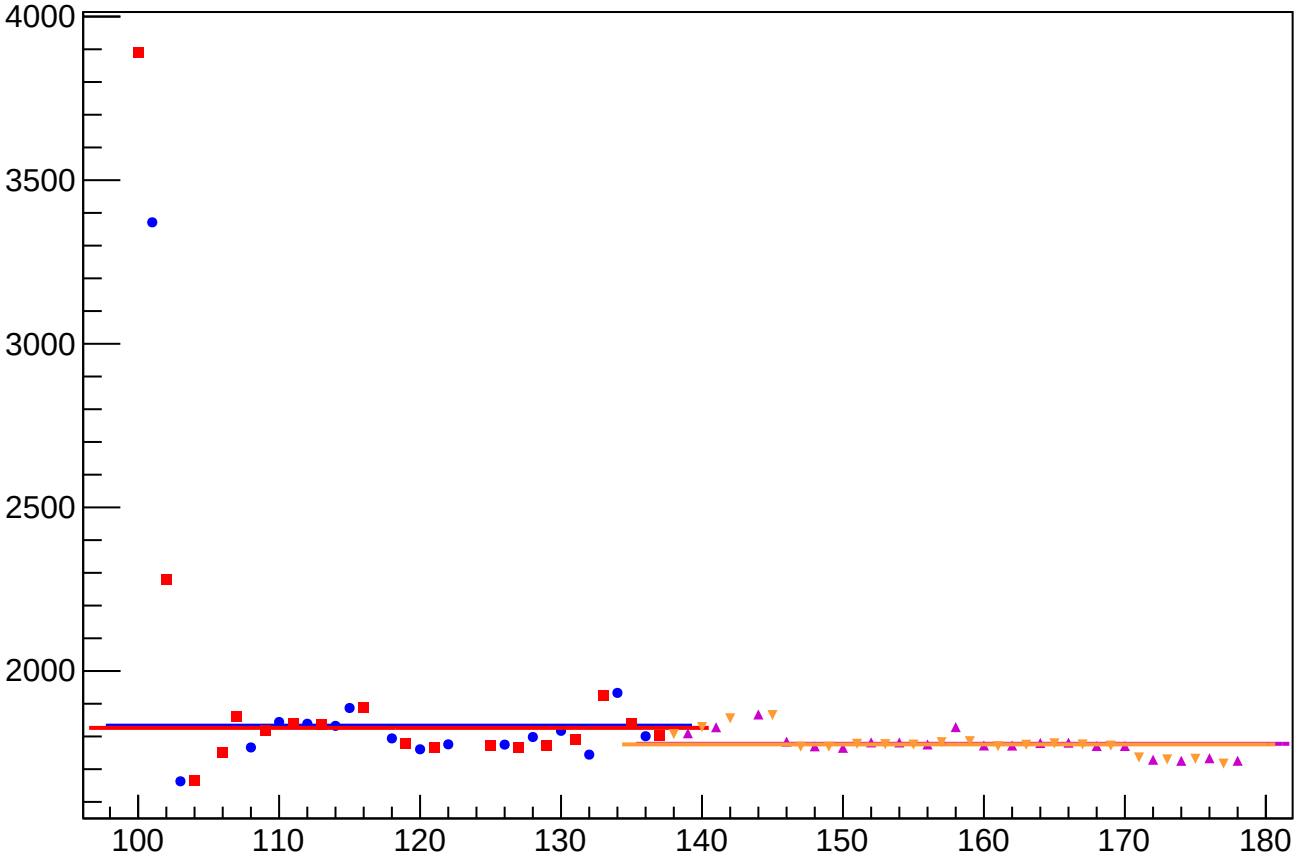
Left In: 640.594+/-439.746 χ^2/NDF:20.1/19

+ sign -848.145+/-374.337 χ^2/NDF: 32.8/35

All: -141.012+/-263.106 χ^2/NDF: 71.2/73

- sign 549.380+/-369.880 χ^2/NDF: 31.3/37

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1775.712+/-0.315 χ^2/NDF:12348.9/19

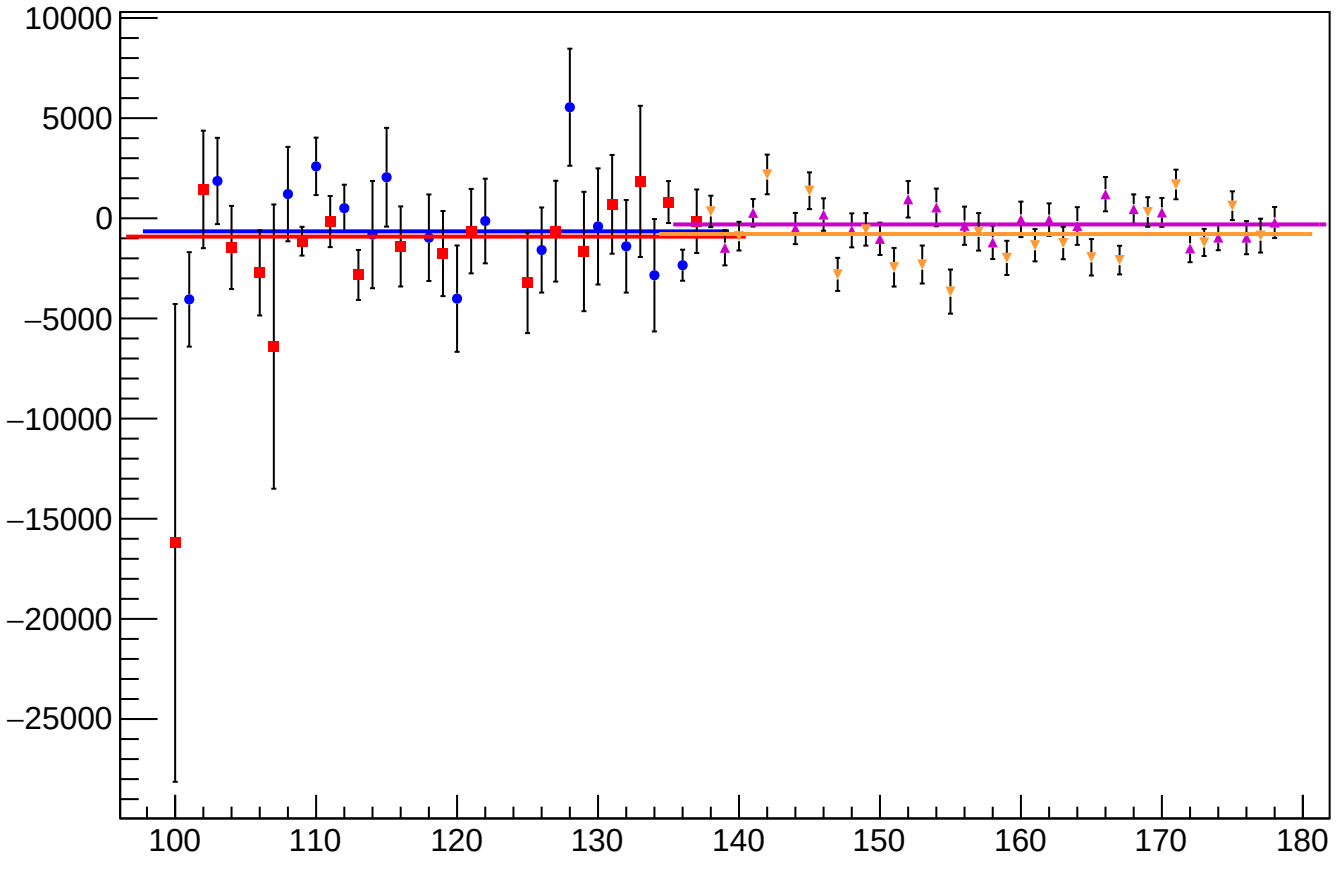
Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1777.556+/-0.311 χ^2/NDF:12793.7/19

\+ sign 1792.605+/-0.265 χ^2/NDF: 317514.9/35

All: 1792.192+/-0.186 χ^2/NDF: 440481.0/73

\- sign 1791.788+/-0.262 χ^2/NDF: 122961.2/37



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: -784.475+/-183.441 χ^2/NDF:60.4/19

Right Out: -914.717+/-393.421 χ^2/NDF: 11.5/17

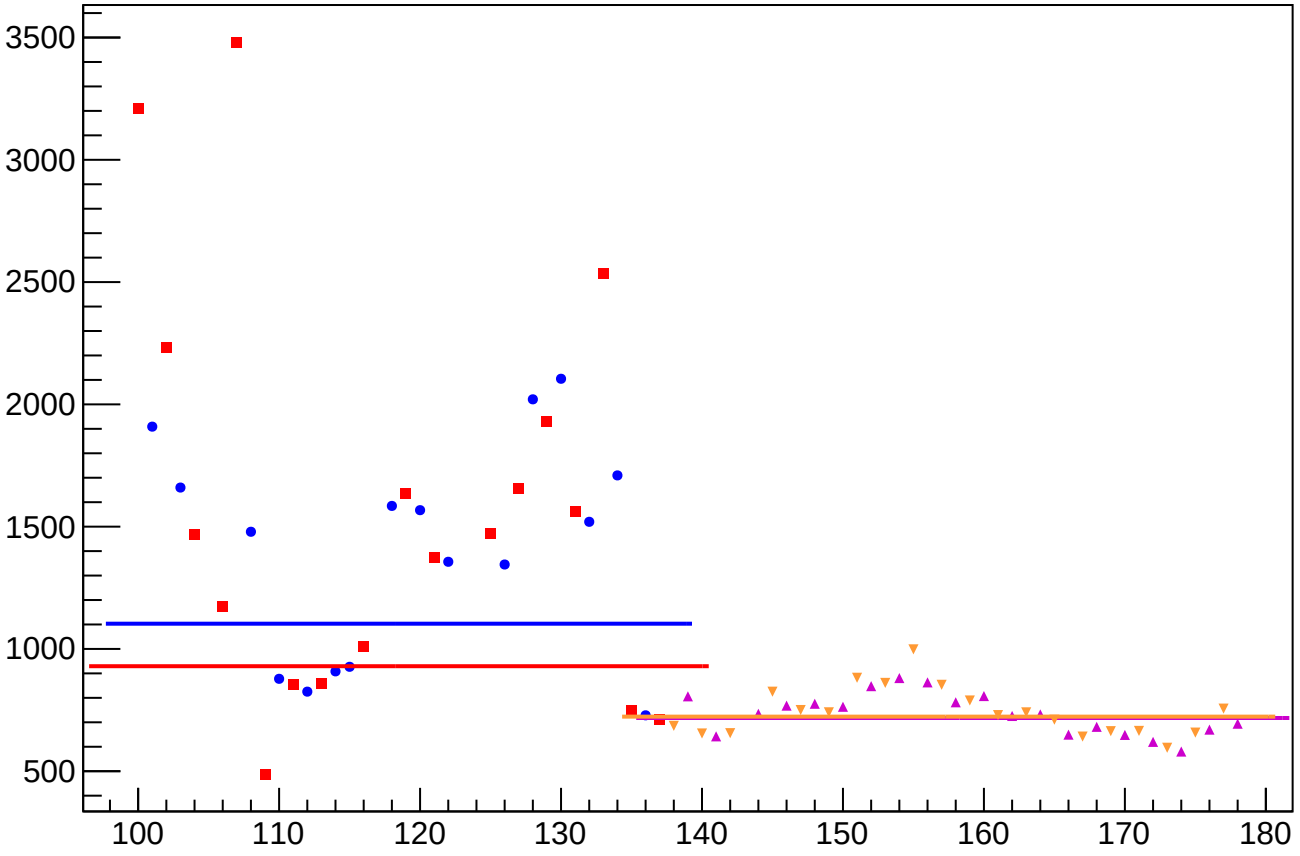
Left In: -305.958+/-179.091 χ^2/NDF:17.5/19

\+ sign -765.012+/-169.436 χ^2/NDF: 83.7/35

All: -580.868+/-117.467 χ^2/NDF: 117.1/73

\- sign -410.452+/-162.998 χ^2/NDF: 31.0/37

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: 723.192+/-0.130 χ^2/NDF:474945.8/19

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

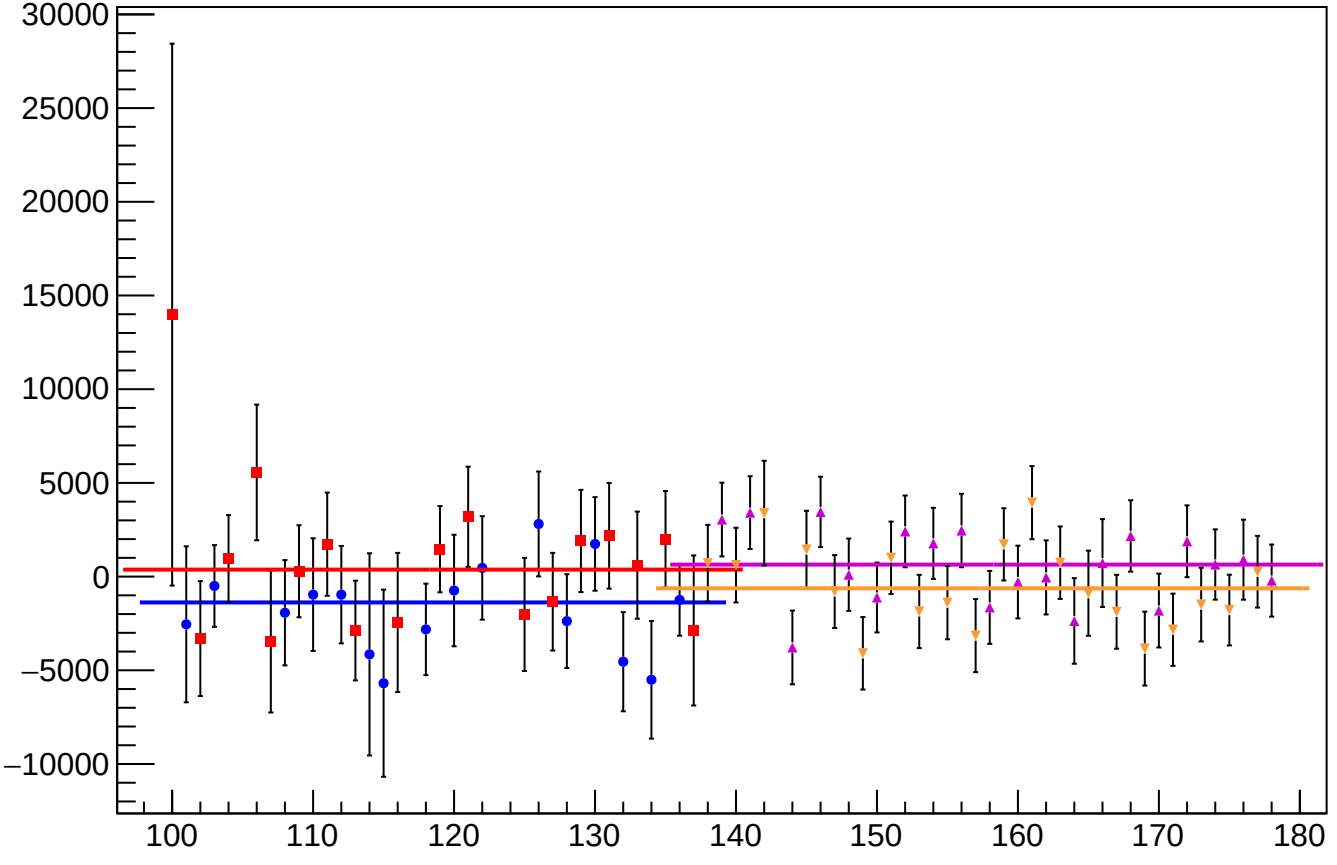
Left In: 717.602+/-0.127 χ^2/NDF:428063.8/19

+ sign 778.998+/-0.120 χ^2/NDF: 3613461.3/35

All: 765.989+/-0.083 χ^2/NDF: 7598263.3/73

- sign 753.950+/-0.115 χ^2/NDF: 3962102.1/37

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: -625.901+/-445.879 χ^2/NDF:22.7/19

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

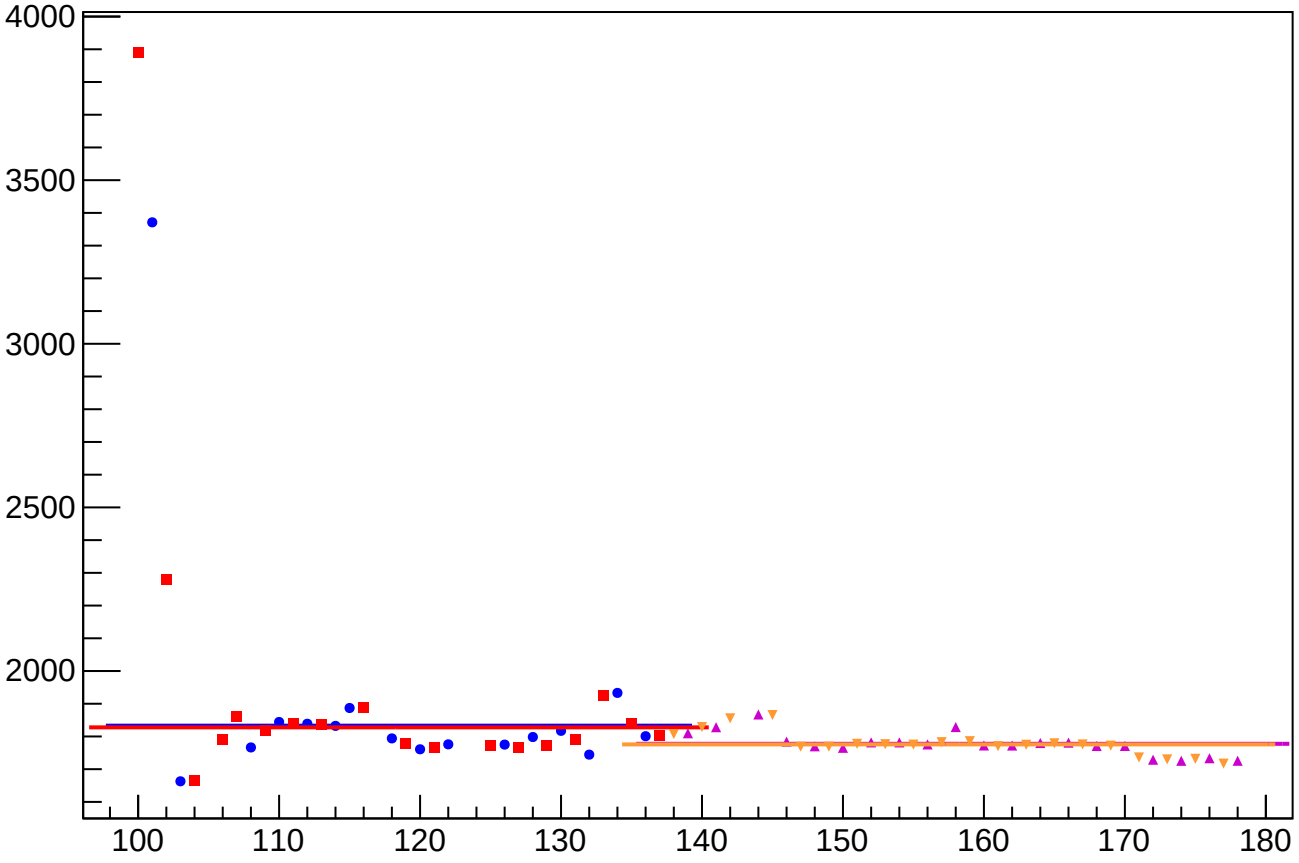
Left In: 640.533+/-439.746 χ^2/NDF:20.1/19

+ sign -847.926+/-374.337 χ^2/NDF: 32.8/35

All: -134.562+/-263.136 χ^2/NDF: 72.2/73

- sign 562.223+/-369.962 χ^2/NDF: 32.2/37

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1775.712+/-0.315 χ^2/NDF:12348.8/19

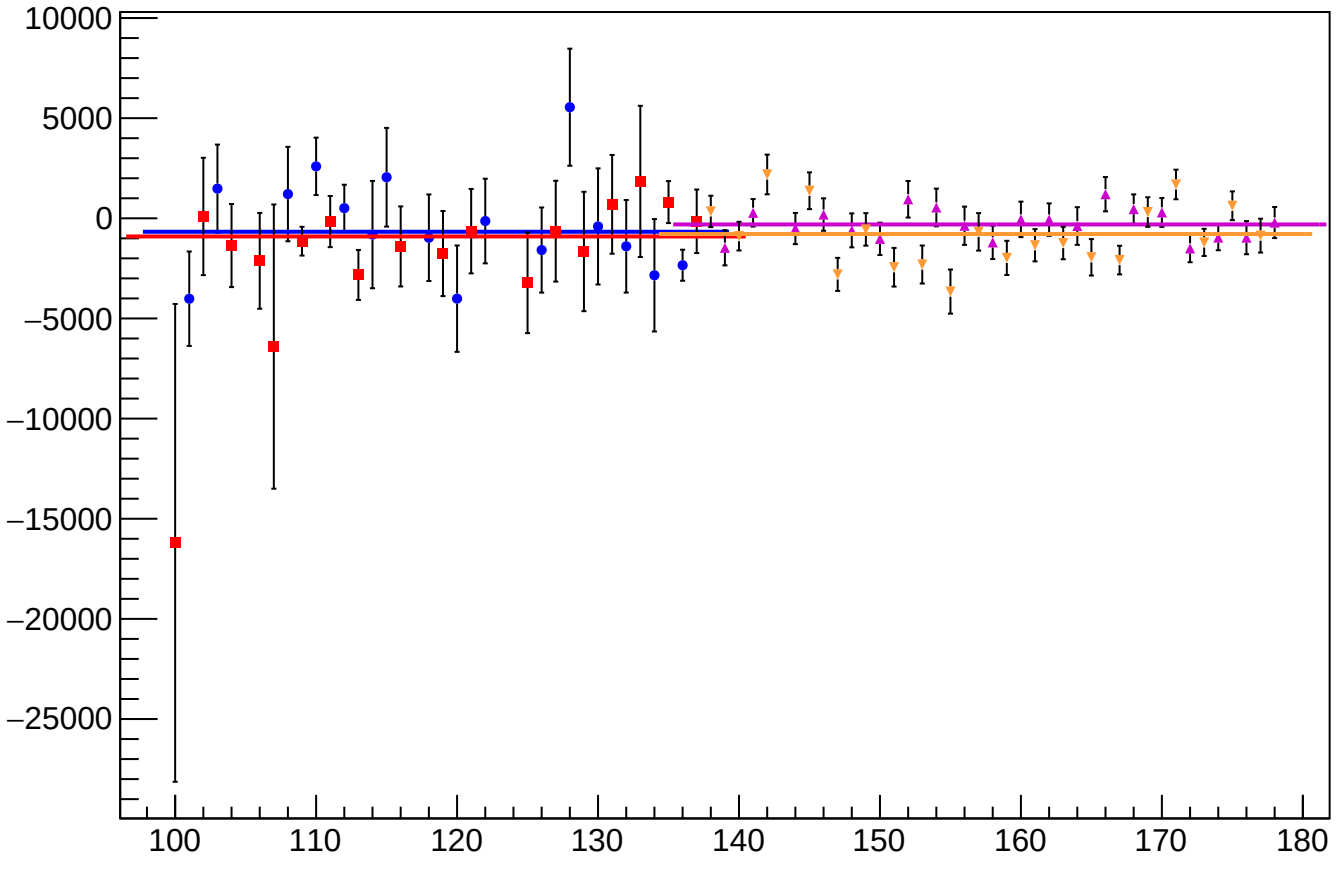
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1777.556+/-0.311 χ^2/NDF:12793.7/19

+ sign 1792.605+/-0.265 χ^2/NDF: 317516.7/35

All: 1792.417+/-0.186 χ^2/NDF: 440206.3/73

- sign 1792.233+/-0.262 χ^2/NDF: 122688.5/37



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -784.505+/-183.442 χ^2/NDF:60.4/19

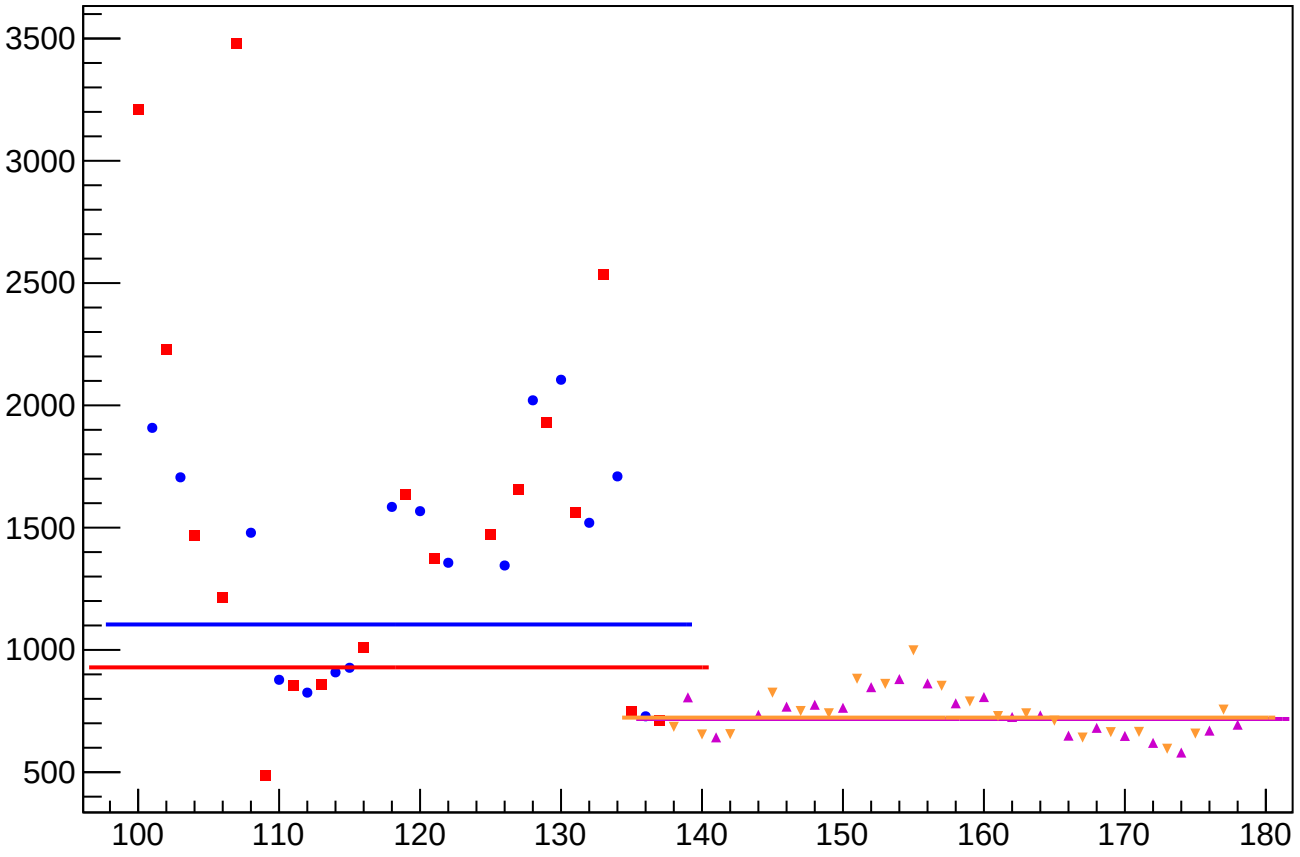
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -305.902+/-179.092 χ^2/NDF:17.5/19

+ sign -767.792+/-169.458 χ^2/NDF: 83.3/35

All: -581.166+/-117.511 χ^2/NDF: 115.5/73

- sign -408.288+/-163.097 χ^2/NDF: 29.9/37



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 723.198+/-0.130 χ^2/NDF:474886.3/19

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

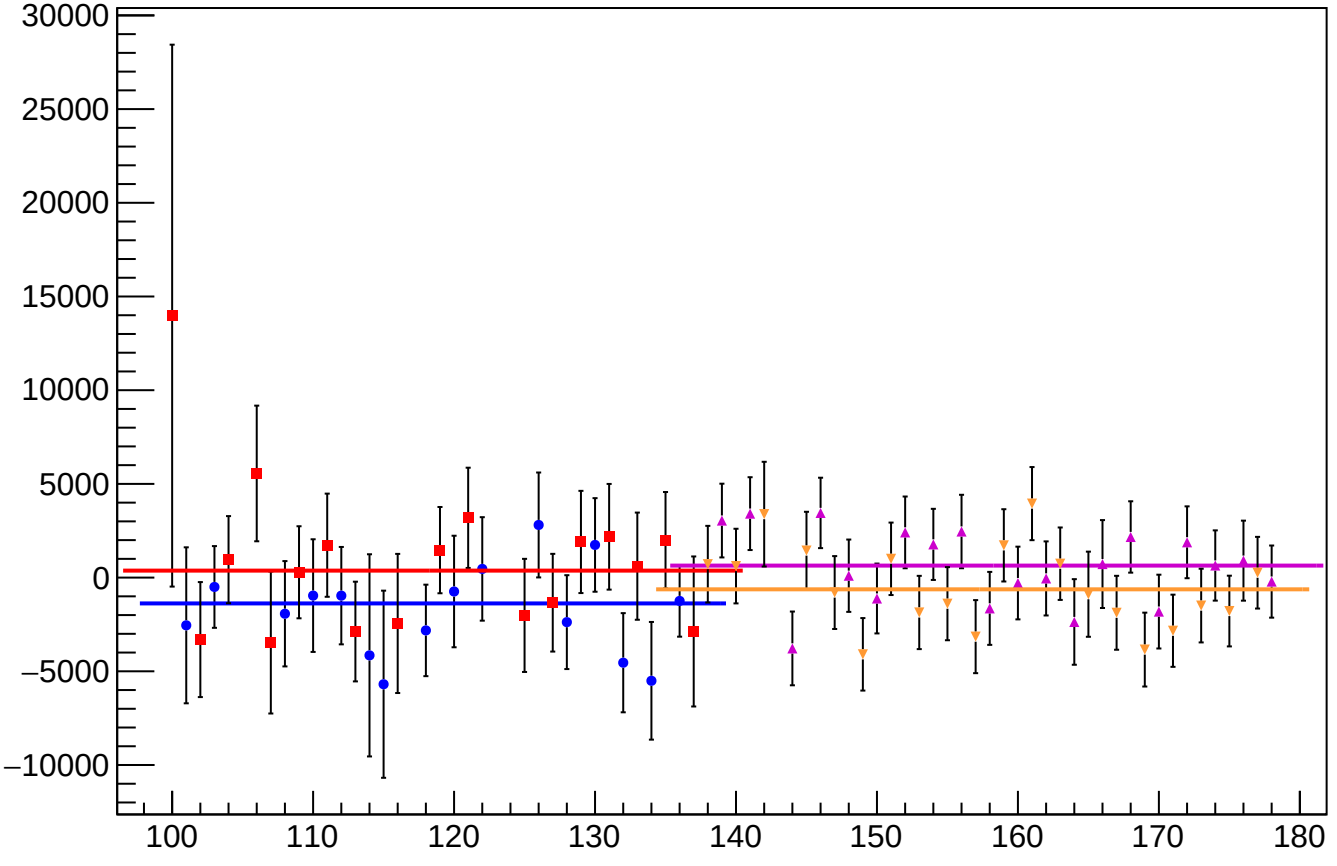
Left In: 717.607+/-0.127 χ^2/NDF:428088.6/19

+ sign 779.058+/-0.120 χ^2/NDF: 3633968.4/35

All: 765.851+/-0.083 χ^2/NDF: 7613685.5/73

- sign 753.618+/-0.115 χ^2/NDF: 3956317.1/37

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: -625.901+/-445.879 χ^2/NDF:22.7/19

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

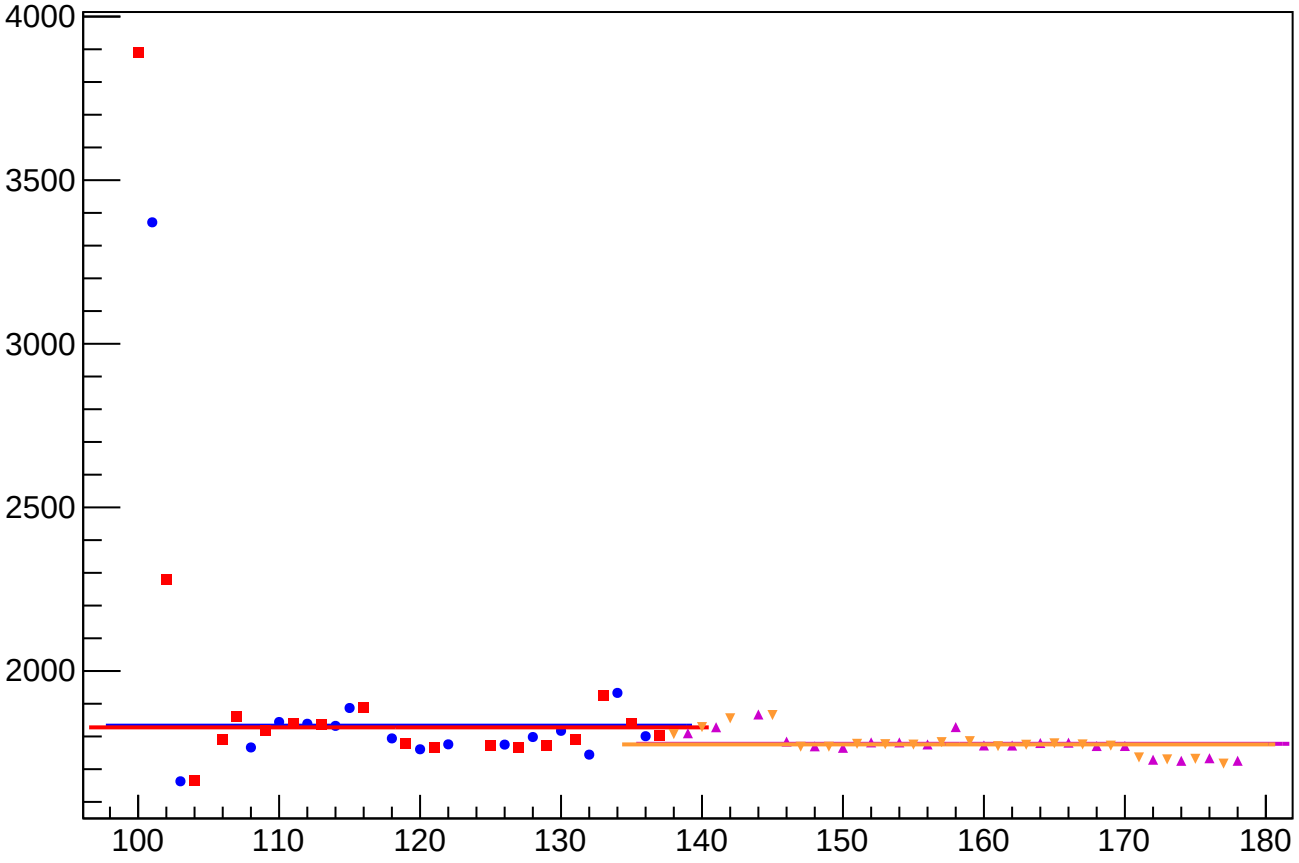
Left In: 640.533+/-439.746 χ^2/NDF:20.1/19

+ sign -847.926+/-374.337 χ^2/NDF: 32.8/35

All: -134.562+/-263.136 χ^2/NDF: 72.2/73

- sign 562.223+/-369.962 χ^2/NDF: 32.2/37

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: 1775.712+/-0.315 χ^2/NDF:12348.8/19

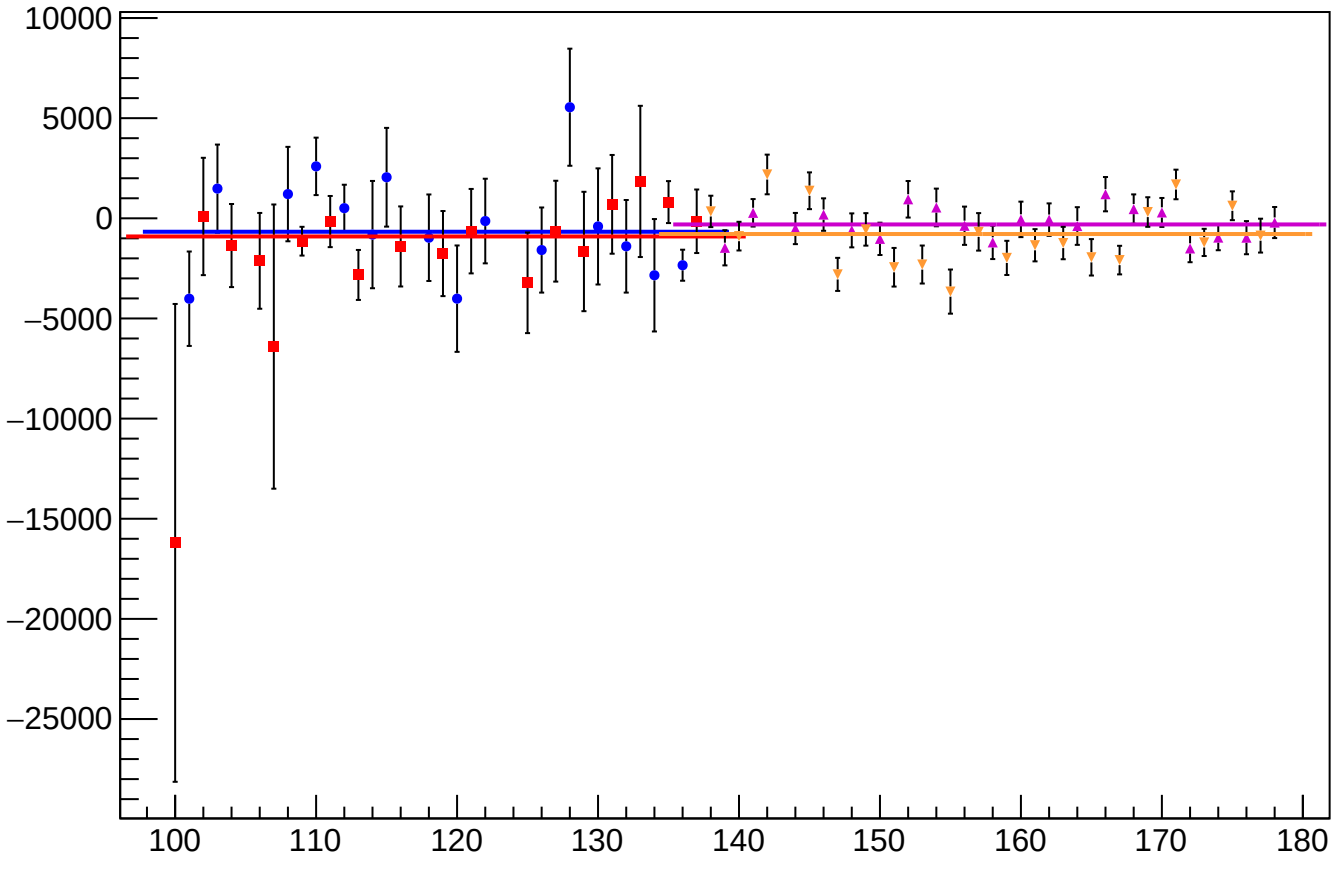
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1777.556+/-0.311 χ^2/NDF:12793.7/19

+ sign 1792.605+/-0.265 χ^2/NDF: 317516.7/35

All: 1792.417+/-0.186 χ^2/NDF: 440206.3/73

- sign 1792.233+/-0.262 χ^2/NDF: 122688.5/37



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -784.505+/-183.442 χ^2/NDF:60.4/19

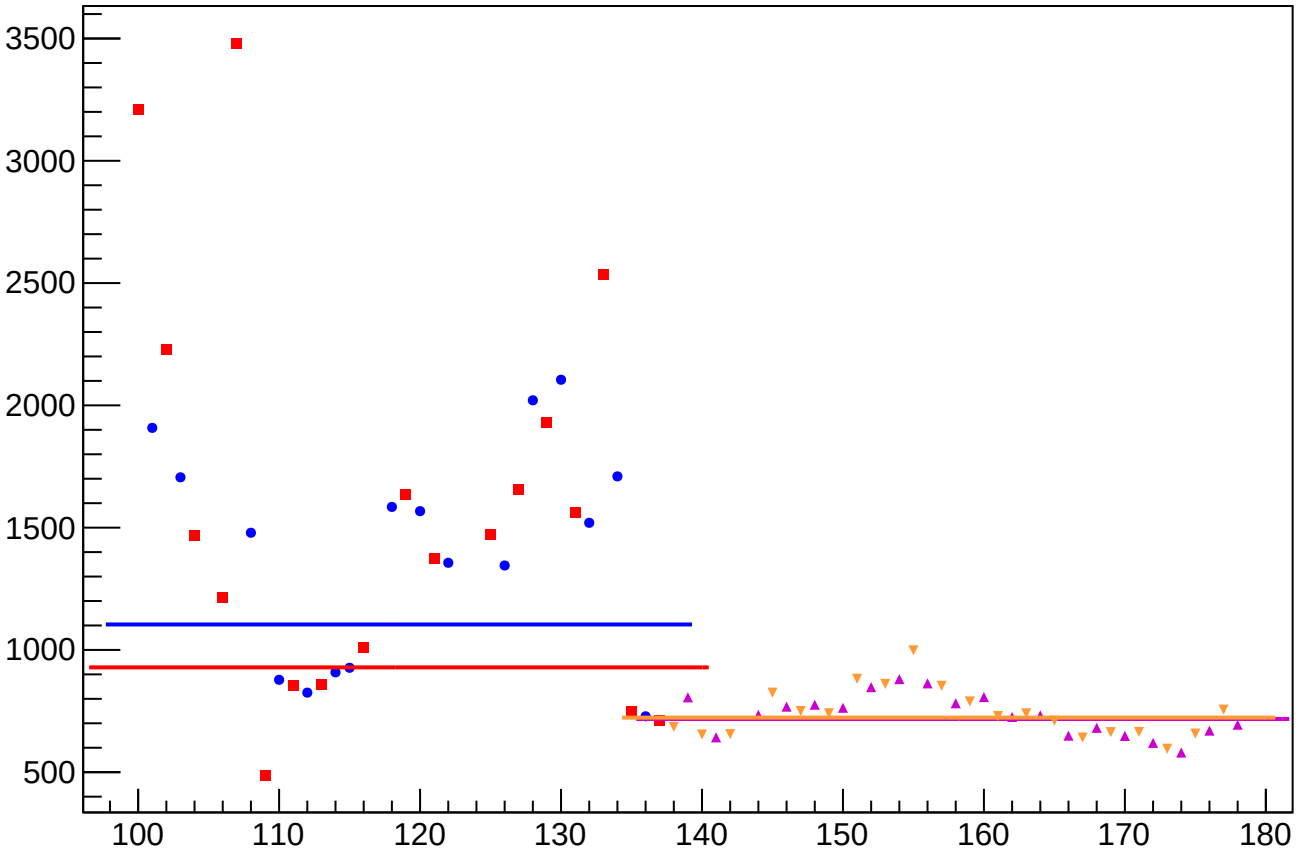
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -305.902+/-179.092 χ^2/NDF:17.5/19

+ sign -767.792+/-169.458 χ^2/NDF: 83.3/35

All: -581.166+/-117.511 χ^2/NDF: 115.5/73

- sign -408.288+/-163.097 χ^2/NDF: 29.9/37



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 723.198+/-0.130 χ^2/NDF:474886.3/19

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

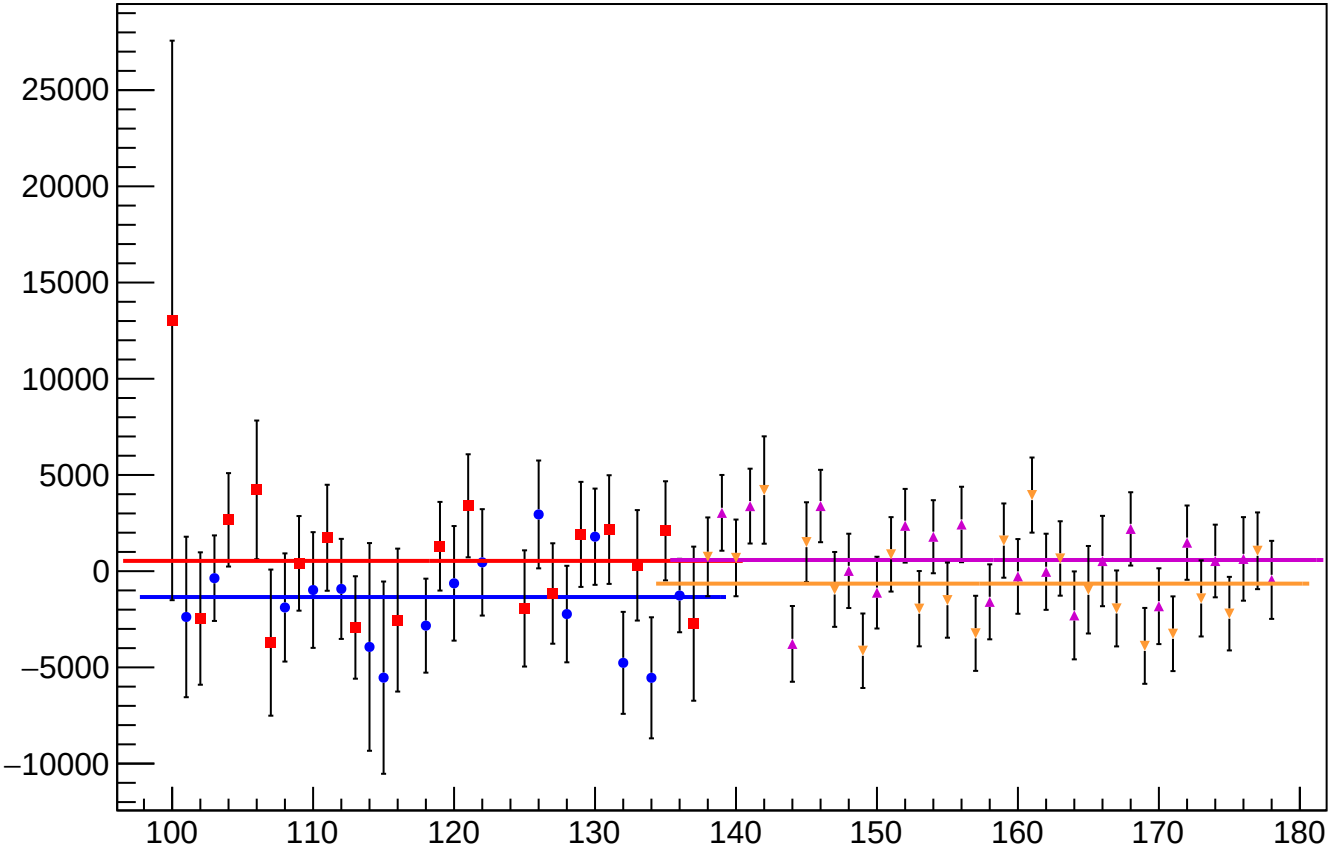
Left In: 717.607+/-0.127 χ^2/NDF:428088.6/19

+ sign 779.058+/-0.120 χ^2/NDF: 3633968.4/35

All: 765.851+/-0.083 χ^2/NDF: 7613685.5/73

- sign 753.618+/-0.115 χ^2/NDF: 3956317.1/37

dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1343.952+/-690.940 χ^2/NDF: 9.6/15

Left Out: -647.581+/-447.729 χ^2/NDF:25.2/19

Right Out: 534.194+/-690.970 χ^2/NDF: 11.1/17

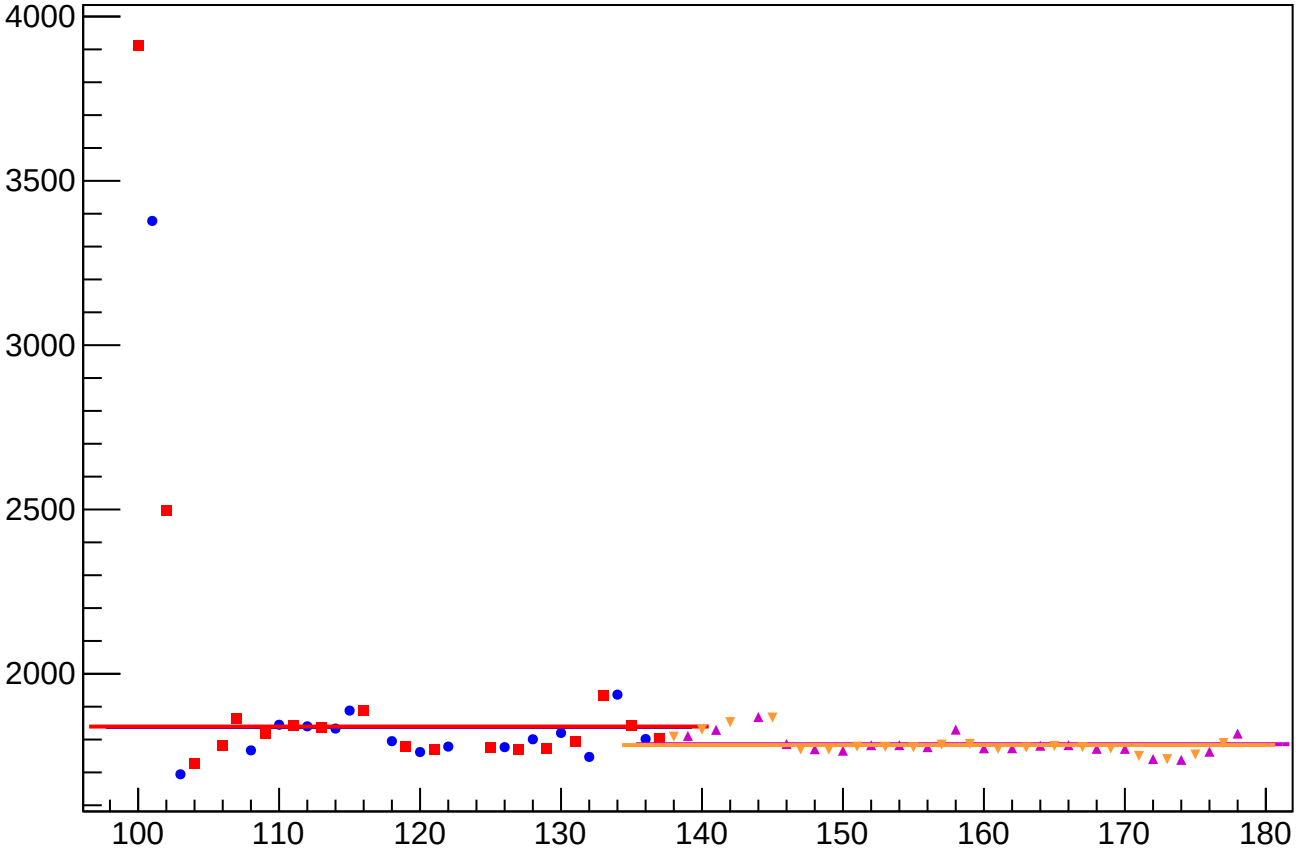
Left In: 581.119+/-441.782 χ^2/NDF:19.6/19

+ sign -853.517+/-375.738 χ^2/NDF: 35.5/35

All: -136.299+/-264.430 χ^2/NDF: 73.4/73

- sign 567.503+/-372.208 χ^2/NDF: 30.7/37

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1783.175+/-0.317 χ^2/NDF:8349.8/19

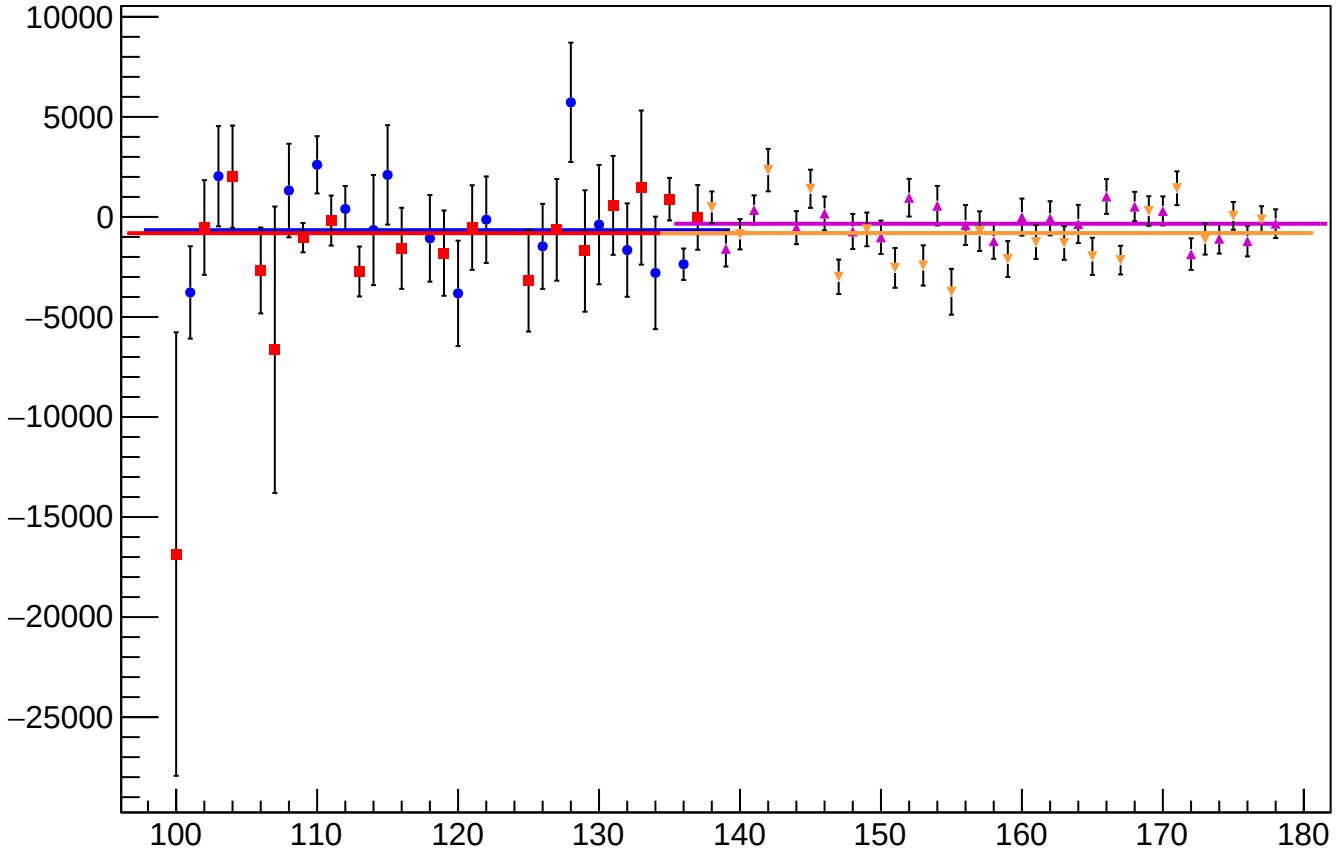
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1785.850+/-0.312 χ^2/NDF:9759.0/19

+ sign 1799.436+/-0.266 χ^2/NDF: 309253.8/35

All: 1800.438+/-0.187 χ^2/NDF: 455858.9/73

- sign 1801.422+/-0.263 χ^2/NDF: 146576.9/37



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: -805.831+/-188.157 χ^2/NDF:55.4/19

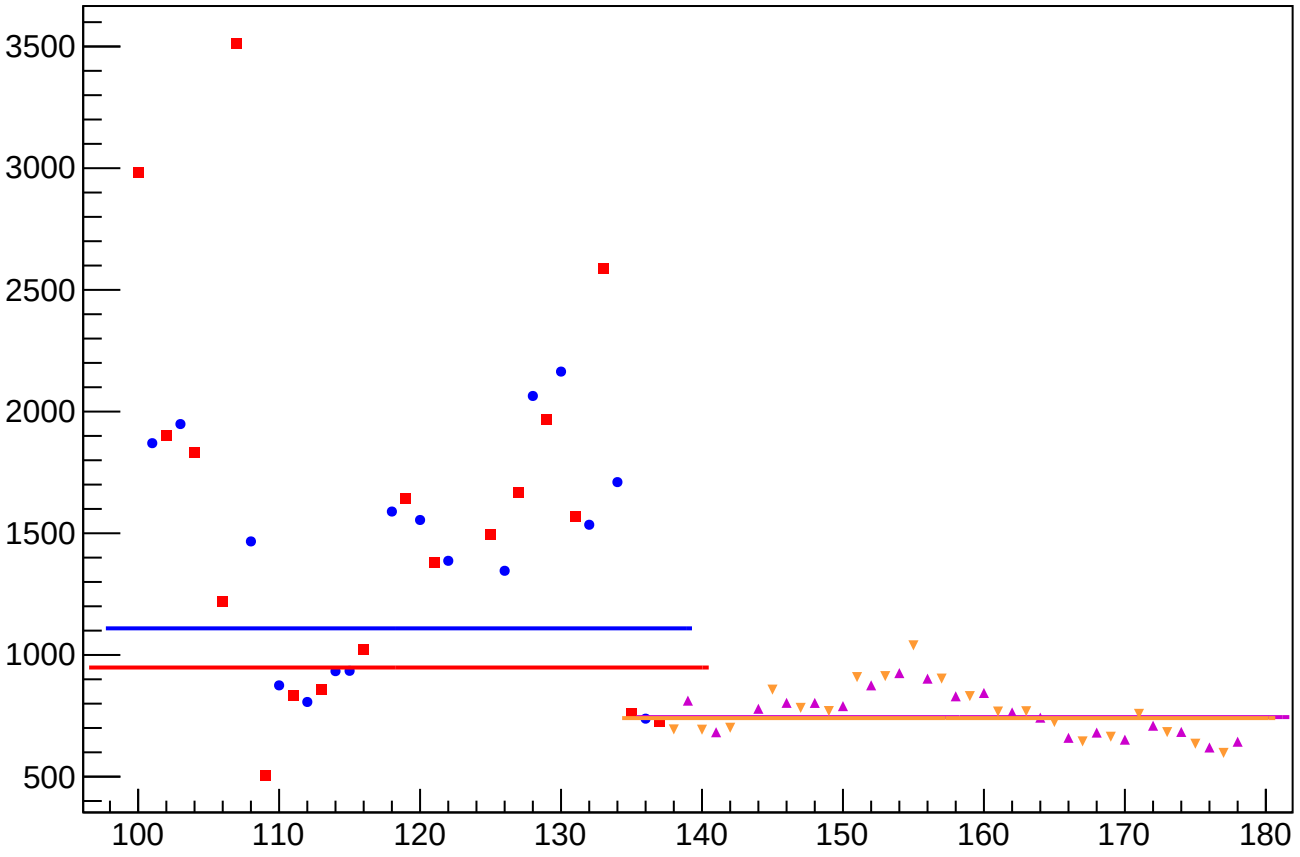
Right Out: -812.187+/-397.187 χ^2/NDF: 12.2/17

Left In: -340.645+/-185.782 χ^2/NDF:18.7/19

\+ sign -784.317+/-173.355 χ^2/NDF: 78.2/35

All: -599.475+/-120.747 χ^2/NDF: 112.6/73

\- sign -425.292+/-168.283 χ^2/NDF: 32.1/37



Right In: 1109.362+/-0.315 χ^2/NDF: 1973363.9/15

Left Out: 740.576+/-0.133 χ^2/NDF:592825.0/19

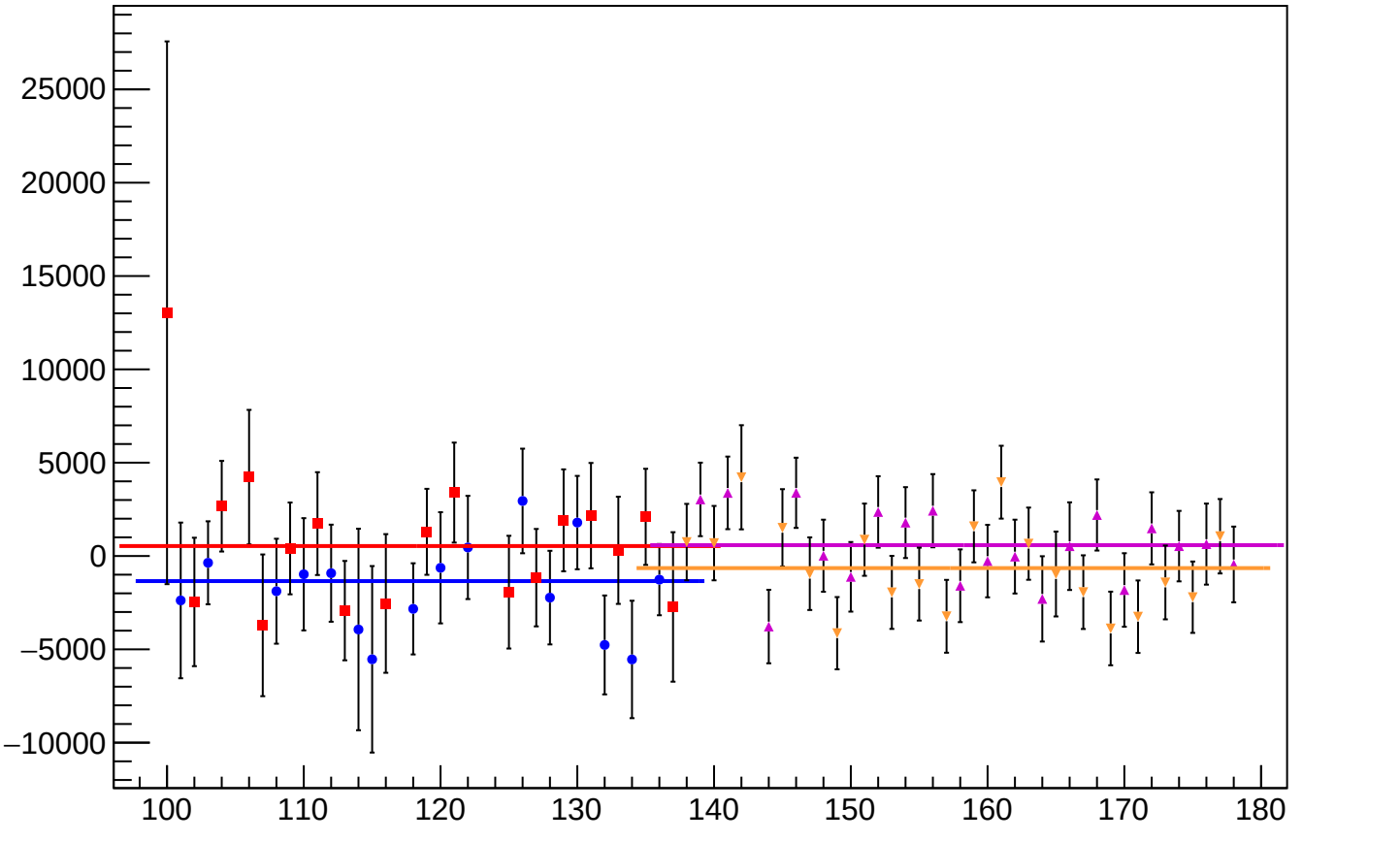
Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 744.712+/-0.131 χ^2/NDF:429140.3/19

+ sign 796.316+/-0.123 χ^2/NDF: 3727451.7/35

All: 788.576+/-0.085 χ^2/NDF: 7649732.5/73

- sign 781.283+/-0.119 χ^2/NDF: 3914537.3/37



Right In: -1343.955+/-690.940 χ^2/NDF: 9.6/15

Left Out: -647.580+/-447.729 χ^2/NDF:25.2/19

Right Out: 534.199+/-690.970 χ^2/NDF: 11.1/17

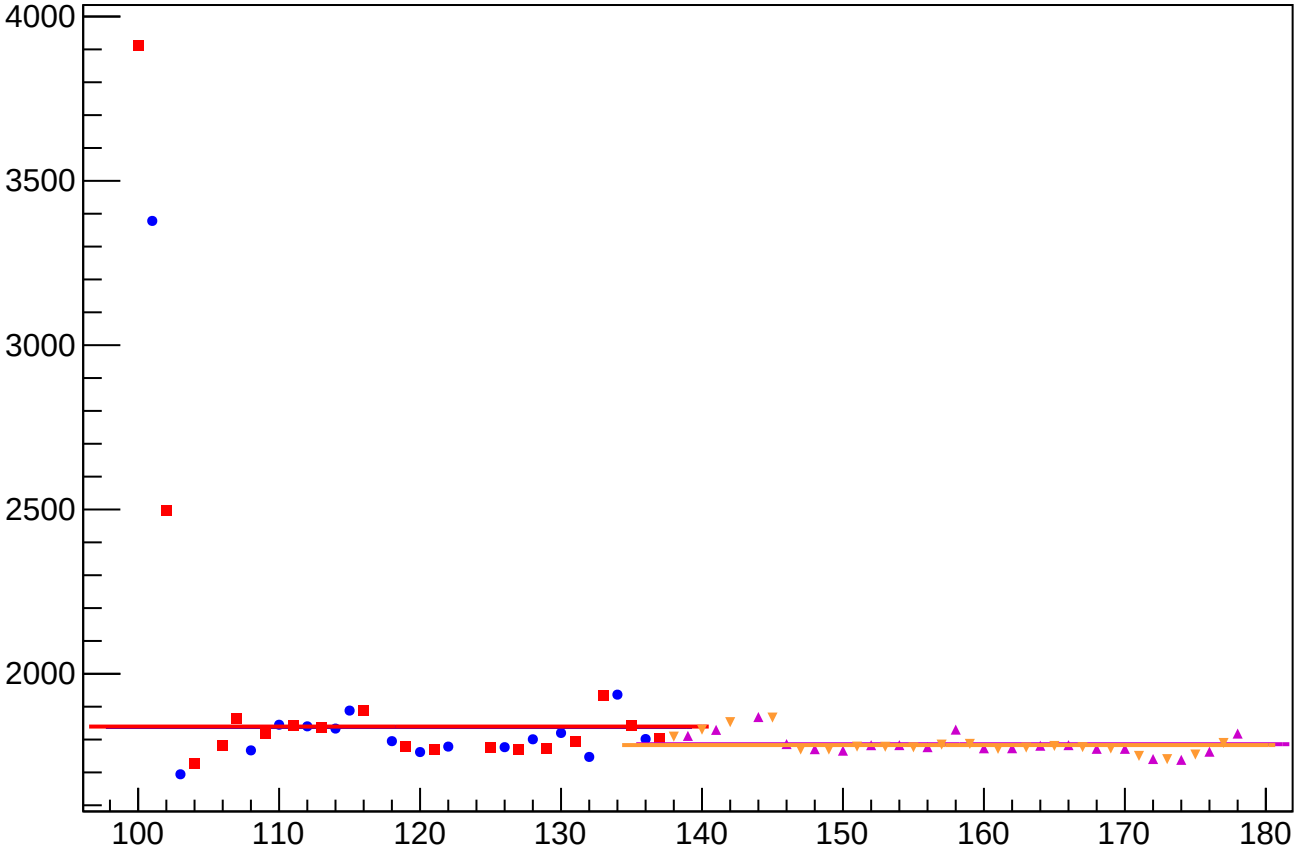
Left In: 581.119+/-441.782 χ^2/NDF:19.6/19

+ sign -853.517+/-375.738 χ^2/NDF: 35.5/35

All: -136.298+/-264.430 χ^2/NDF: 73.4/73

- sign 567.504+/-372.208 χ^2/NDF: 30.7/37

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: 1783.175+/-0.317 χ^2/NDF:8349.9/19

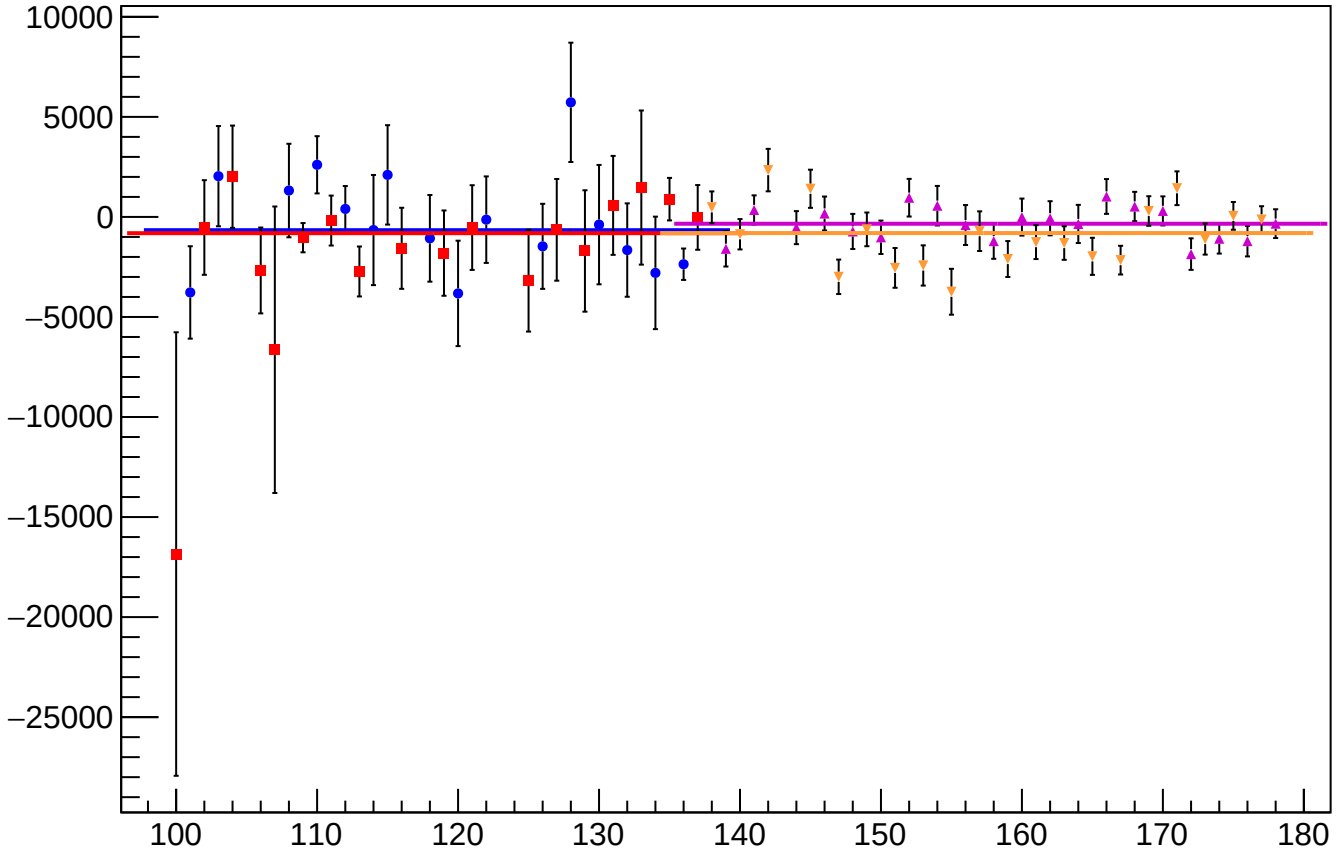
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1785.850+/-0.312 χ^2/NDF:9759.0/19

+ sign 1799.436+/-0.266 χ^2/NDF: 309253.8/35

All: 1800.438+/-0.187 χ^2/NDF: 455859.0/73

- sign 1801.422+/-0.263 χ^2/NDF: 146577.0/37



Right In: -663.476+/-445.904 χ^2/NDF: 22.8/15

Left Out: -805.833+/-188.157 χ^2/NDF:55.4/19

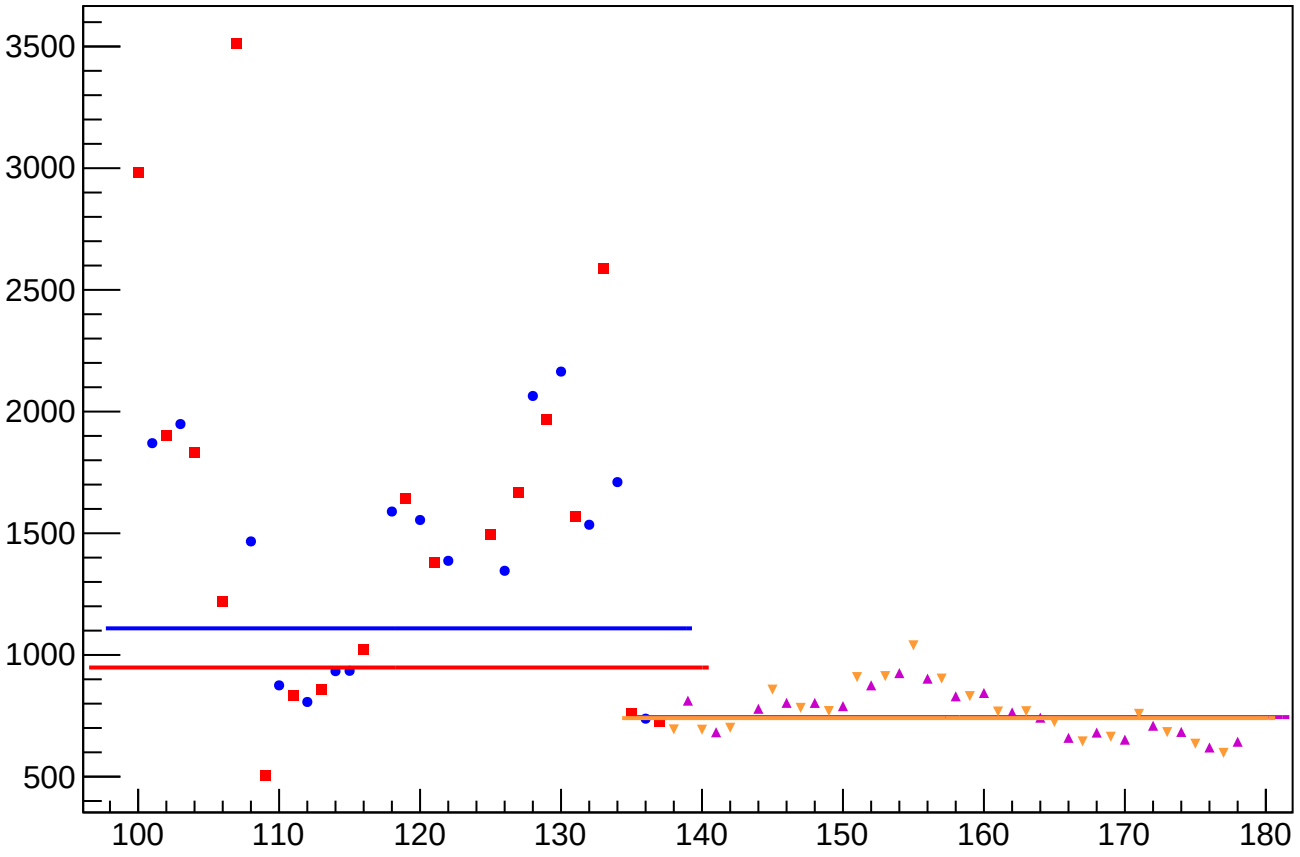
Right Out: -812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: -340.643+/-185.782 χ^2/NDF:18.7/19

\+ sign -784.317+/-173.355 χ^2/NDF: 78.2/35

All: -599.475+/-120.747 χ^2/NDF: 112.6/73

\- sign -425.291+/-168.283 χ^2/NDF: 32.1/37



Right In: 1109.365+/-0.315 χ^2/NDF: 1973324.5/15

Left Out: 740.576+/-0.133 χ^2/NDF:592818.7/19

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

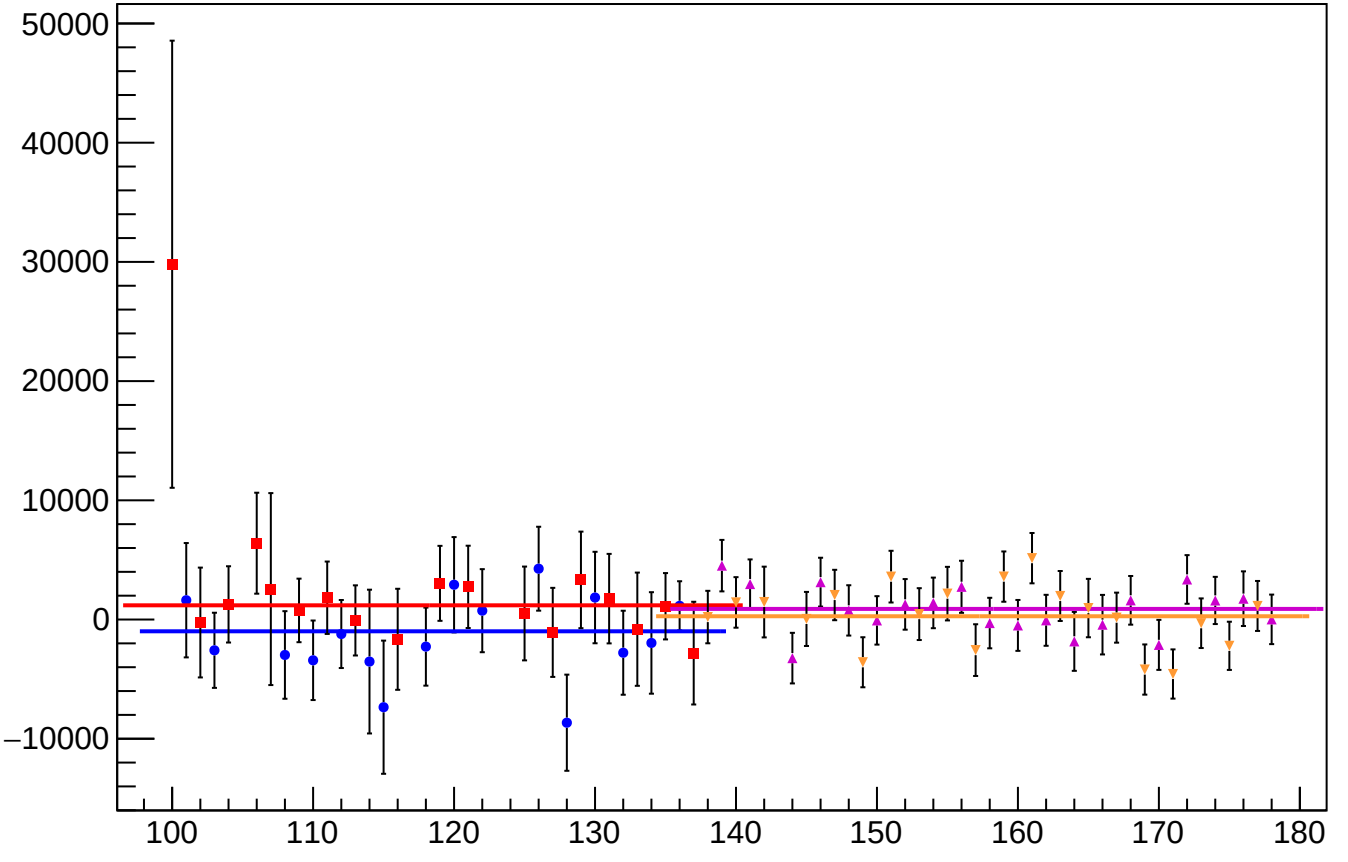
Left In: 744.711+/-0.131 χ^2/NDF:429150.2/19

+ sign 796.317+/-0.123 χ^2/NDF: 3727418.6/35

All: 788.577+/-0.085 χ^2/NDF: 7649695.0/73

- sign 781.283+/-0.119 χ^2/NDF: 3914532.0/37

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: 274.827+/-484.738 χ^2/NDF:29.7/19

Right Out: 1192.173+/-870.432 χ^2/NDF: 7.0/17

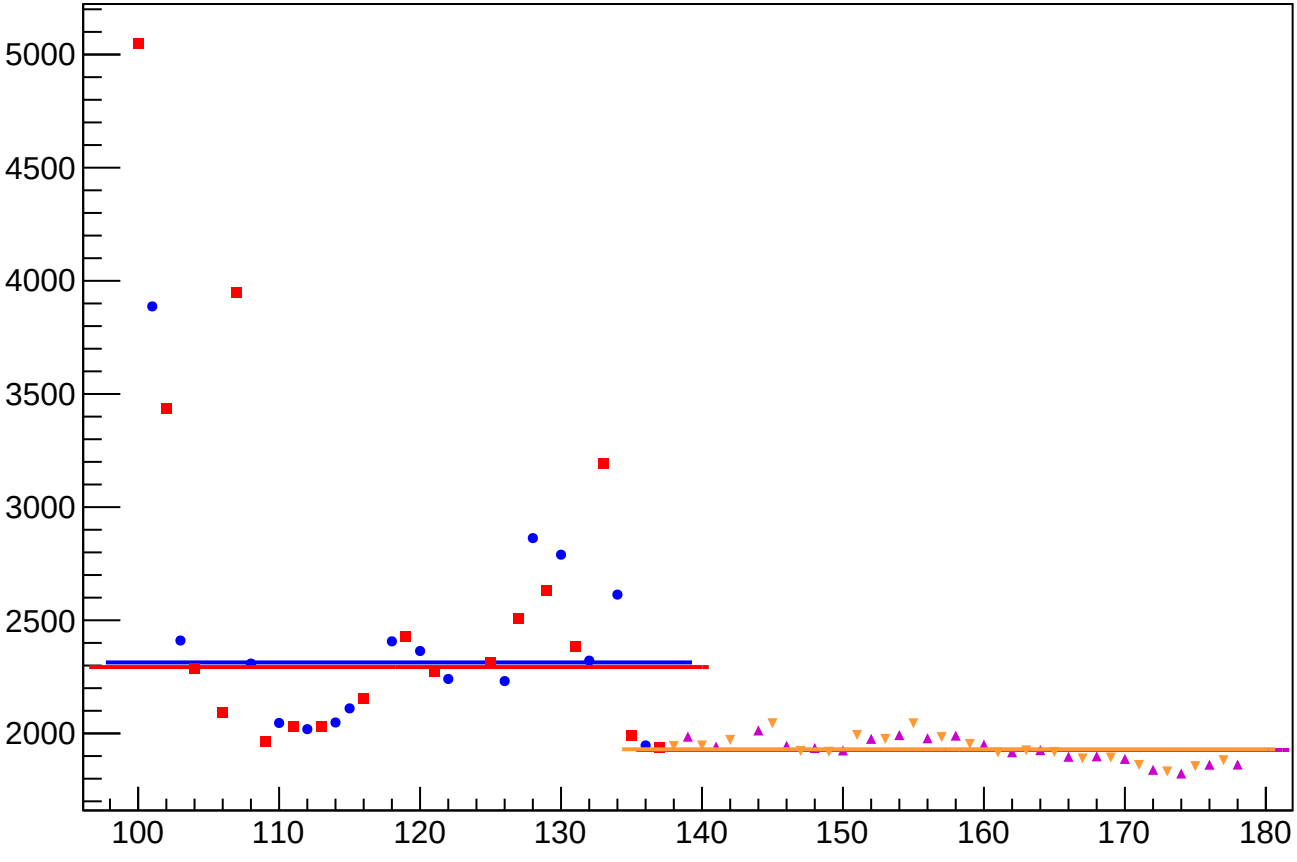
Left In: 890.268+/-476.787 χ^2/NDF:16.4/19

+ sign -22.217+/-423.887 χ^2/NDF: 43.2/35

All: 475.540+/-297.689 χ^2/NDF: 69.4/73

- sign 959.945+/-418.164 χ^2/NDF: 23.5/37

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2313.740+/-0.618 χ^2/NDF: 402756.6/15

Left Out: 1929.930+/-0.343 χ^2/NDF:27068.7/19

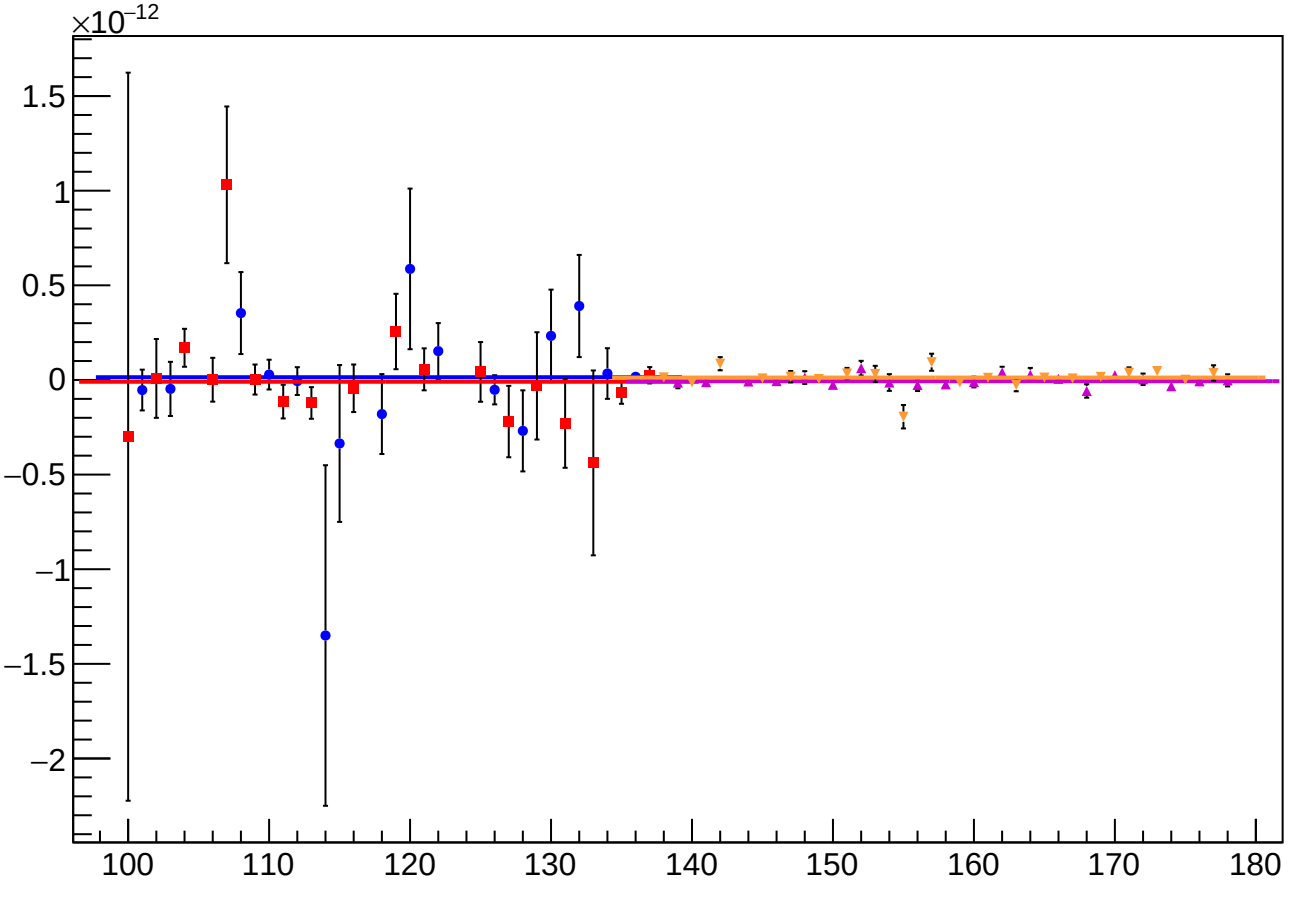
Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1926.814+/-0.337 χ^2/NDF:25410.8/19

+ sign 2020.244+/-0.300 χ^2/NDF: 724870.8/35

All: 2015.758+/-0.210 χ^2/NDF: 1476610.5/73

- sign 2011.391+/-0.296 χ^2/NDF: 751297.5/37



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

Left Out: 0.000+/-0.000 χ^2/NDF:29.2/19

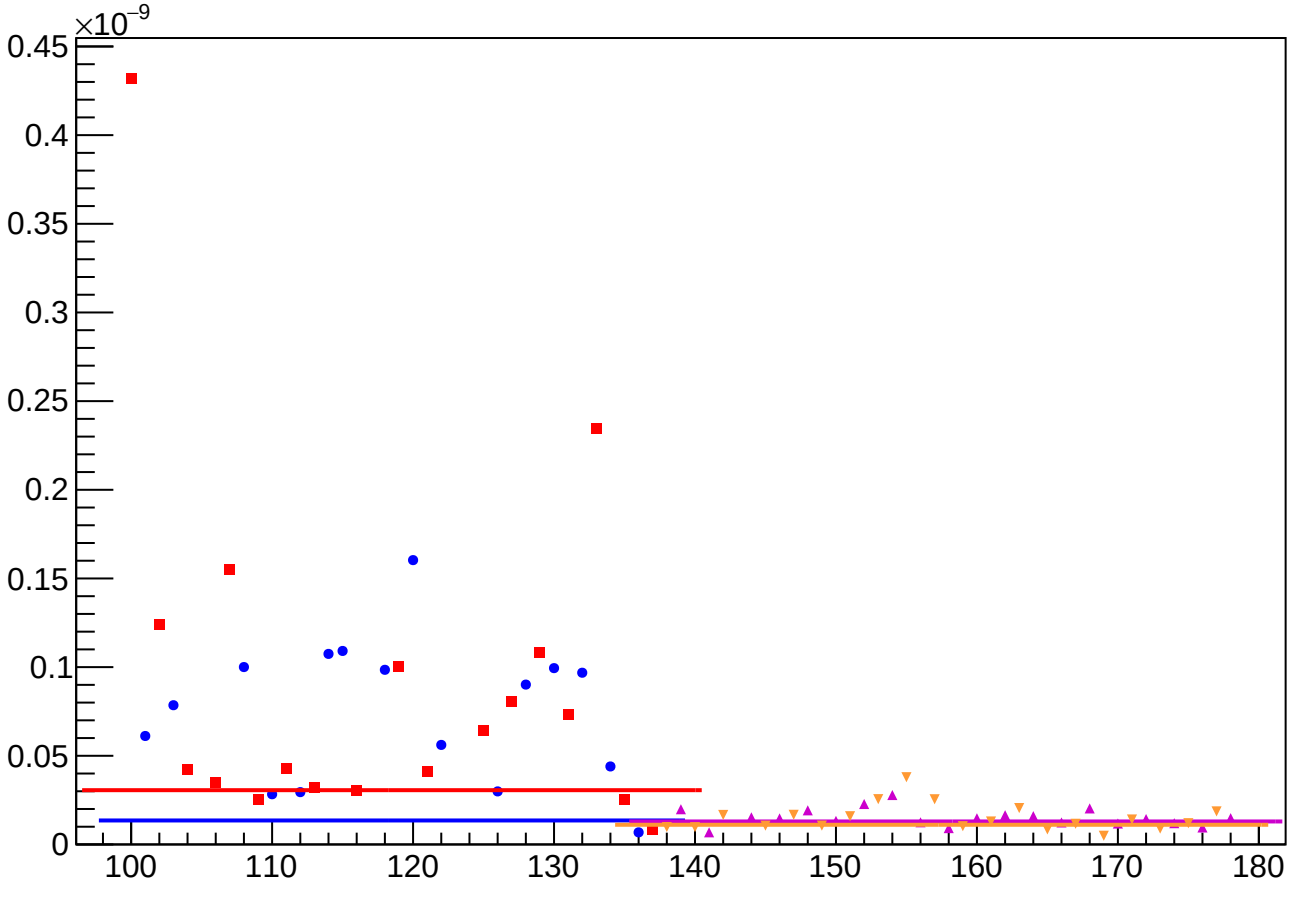
Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:14.7/19

+ sign 0.000+/-0.000 χ^2/NDF: 44.2/35

All: 0.000+/-0.000 χ^2/NDF: 85.6/73

- sign -0.000+/-0.000 χ^2/NDF: 34.3/37



Right In: 0.000+/-0.000 χ^2/NDF: 3416094.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1797158.2/19

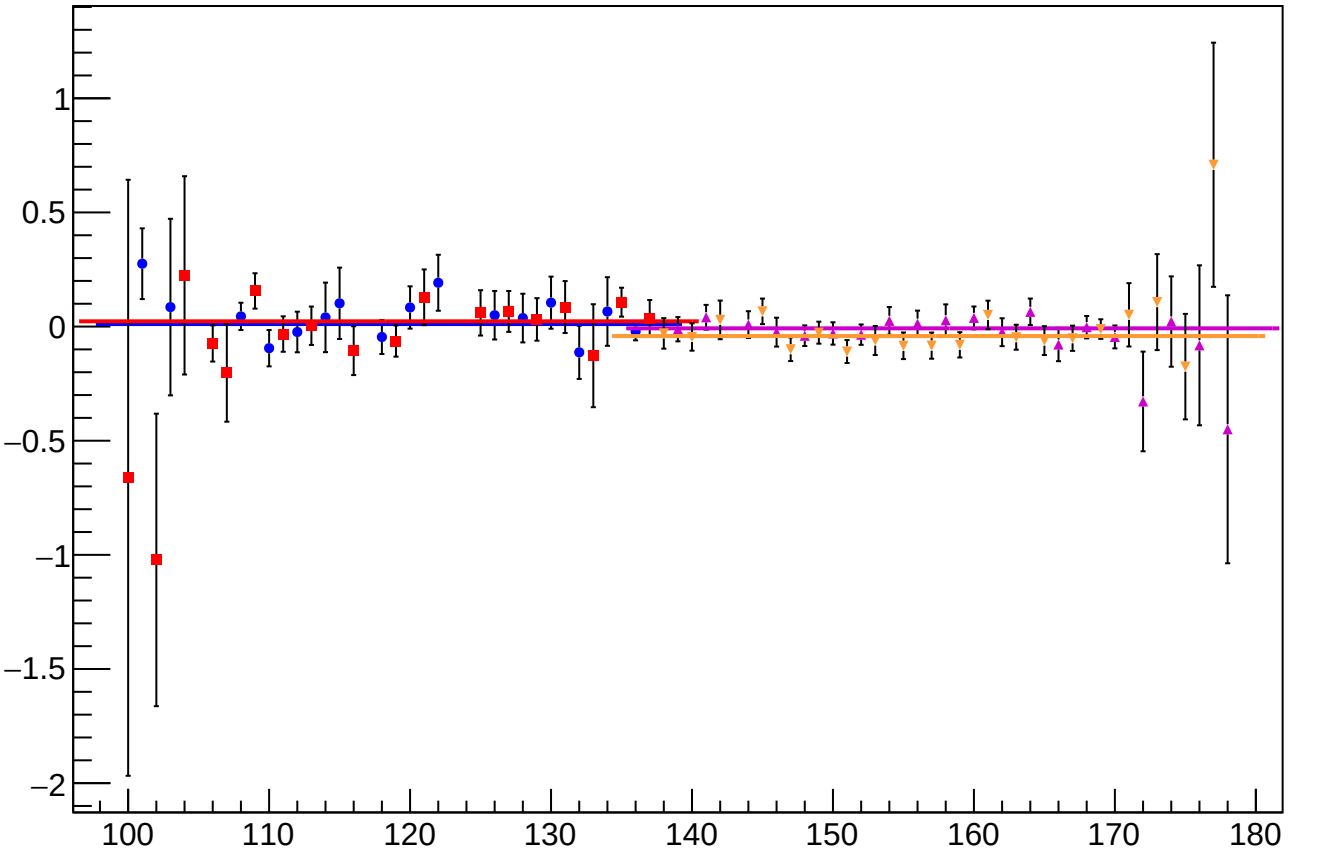
Right Out: 0.000+/-0.000 χ^2/NDF: 2349183.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1207769.1/19

+ sign 0.000+/-0.000 χ^2/NDF: 5266145.0/35

All: 0.000+/-0.000 χ^2/NDF: 10070877.8/73

- sign 0.000+/-0.000 χ^2/NDF: 4571714.5/37



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:15.4/19

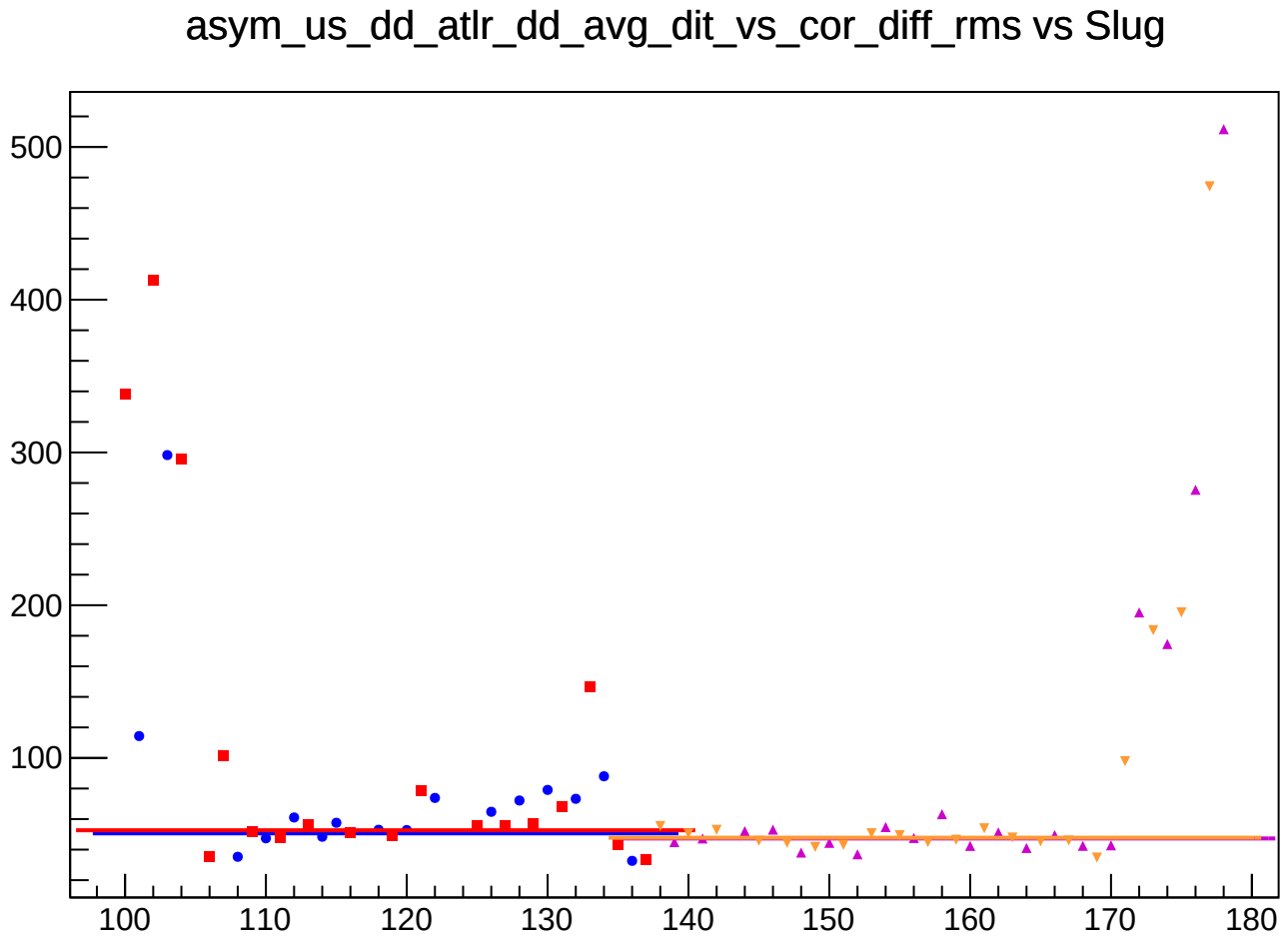
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.008+/-0.014 χ^2/NDF:9.5/19

+ sign -0.026+/-0.012 χ^2/NDF: 31.2/35

All: -0.013+/-0.008 χ^2/NDF: 60.5/73

- sign 0.000+/-0.012 χ^2/NDF: 26.8/37



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 47.794+/-0.010 χ^2/NDF:3500704.6/19

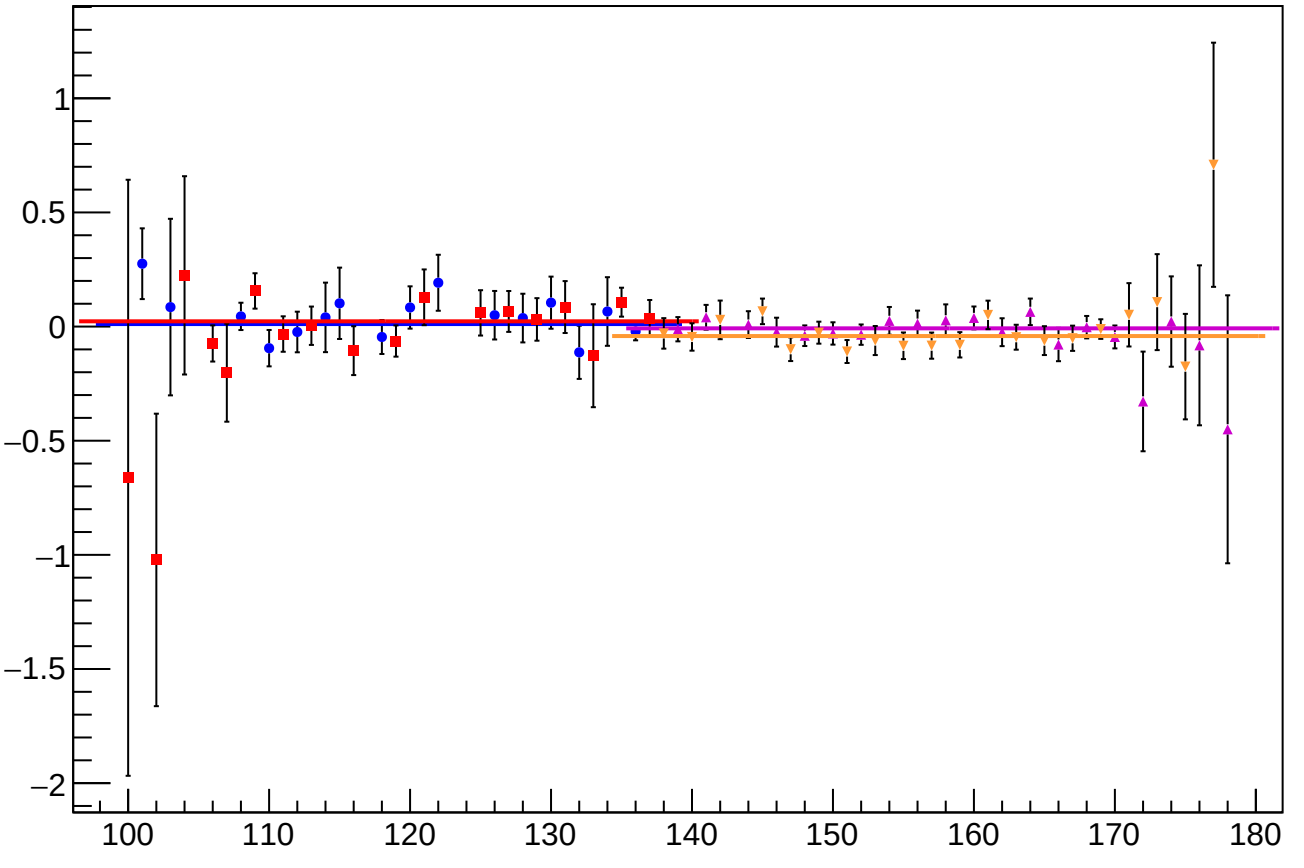
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 47.301+/-0.010 χ^2/NDF:4300721.1/19

\+ sign 48.618+/-0.008 χ^2/NDF: 5791318.1/35

All: 48.646+/-0.006 χ^2/NDF: 12384203.0/73

\- sign 48.674+/-0.008 χ^2/NDF: 6592862.4/37



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:15.4/19

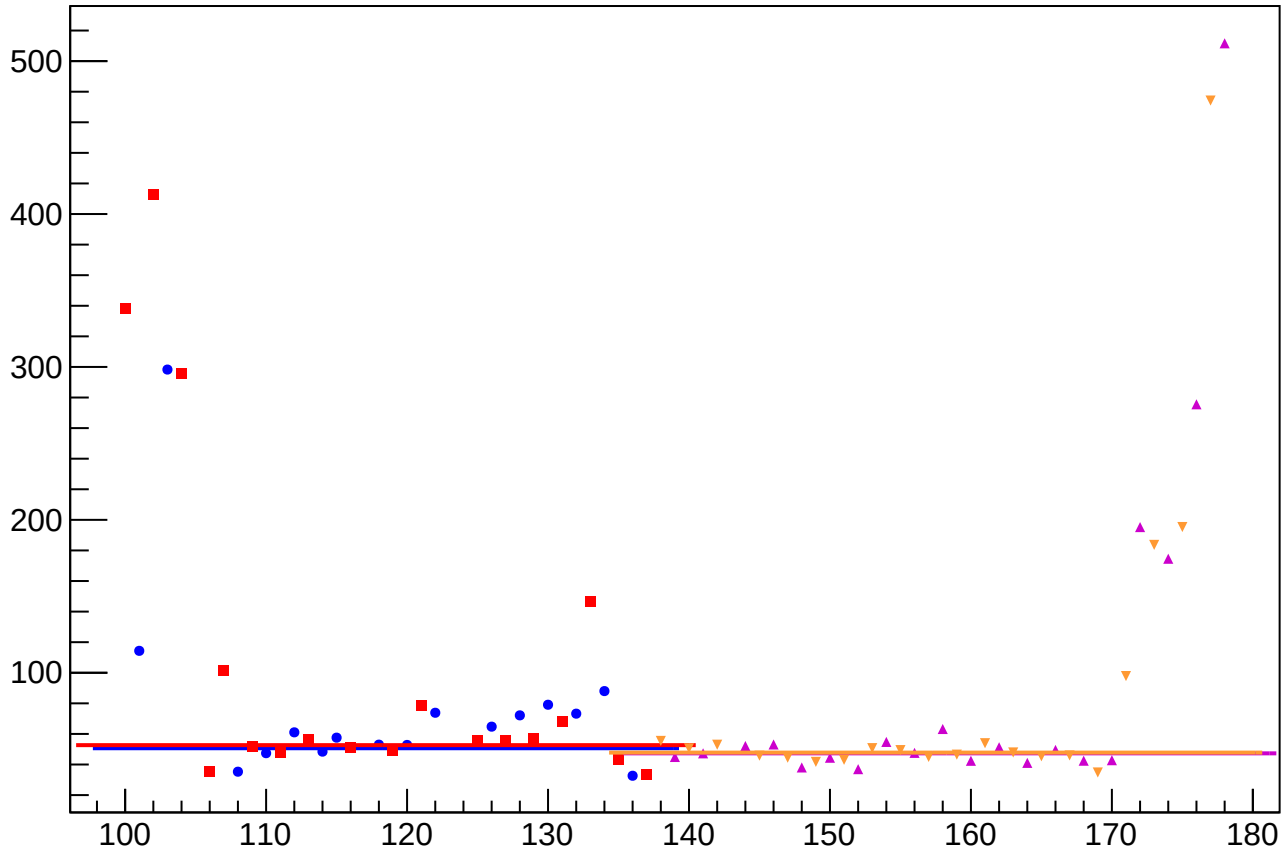
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.008+/-0.014 χ^2/NDF:9.5/19

+ sign -0.026+/-0.012 χ^2/NDF: 31.2/35

All: -0.013+/-0.008 χ^2/NDF: 60.5/73

- sign 0.000+/-0.012 χ^2/NDF: 26.8/37



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 47.794+/-0.010 χ^2/NDF:3500704.6/19

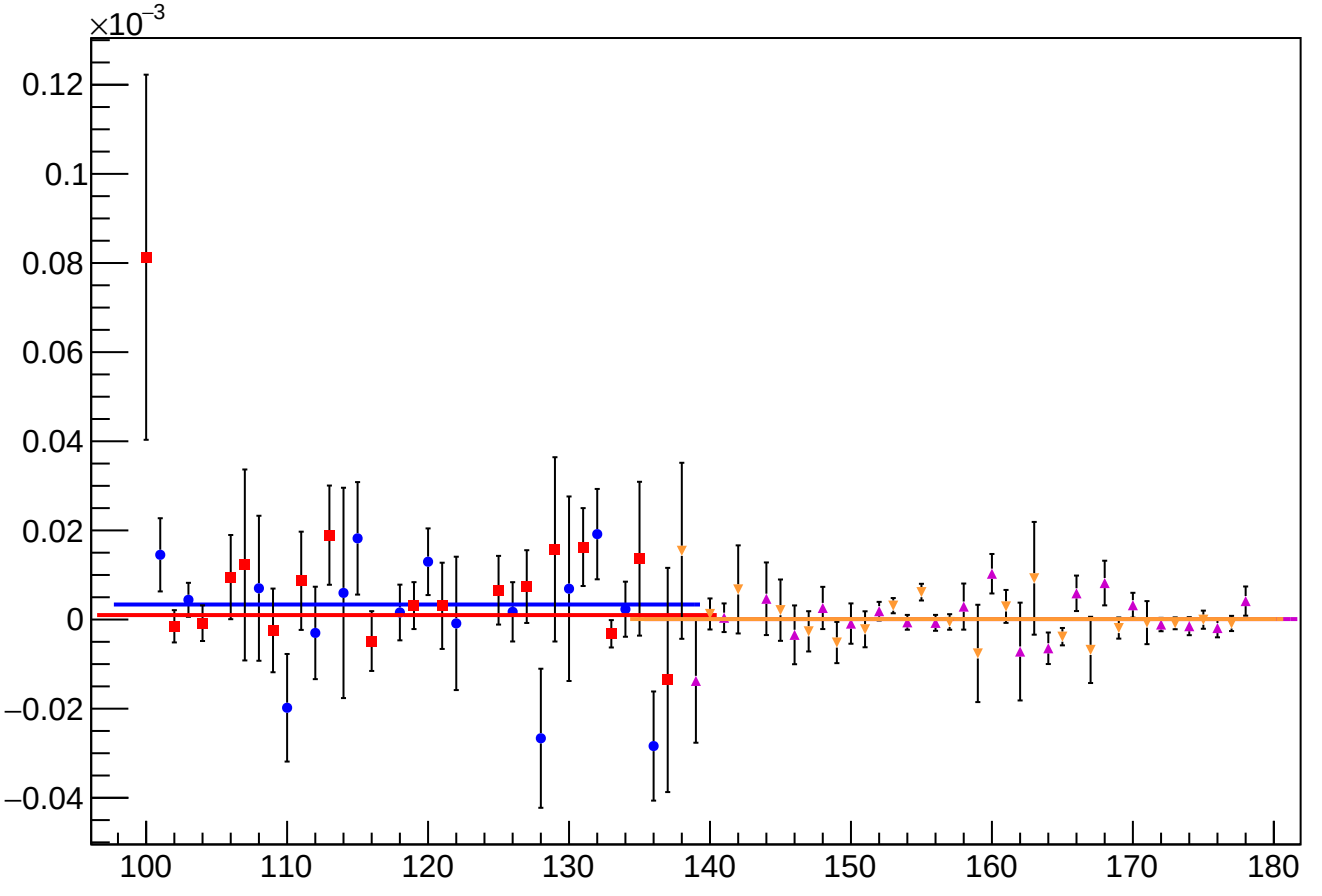
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 47.301+/-0.010 χ^2/NDF:4300721.1/19

\+ sign 48.618+/-0.008 χ^2/NDF: 5791318.1/35

All: 48.646+/-0.006 χ^2/NDF: 12384203.0/73

\- sign 48.674+/-0.008 χ^2/NDF: 6592862.4/37



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.1/19

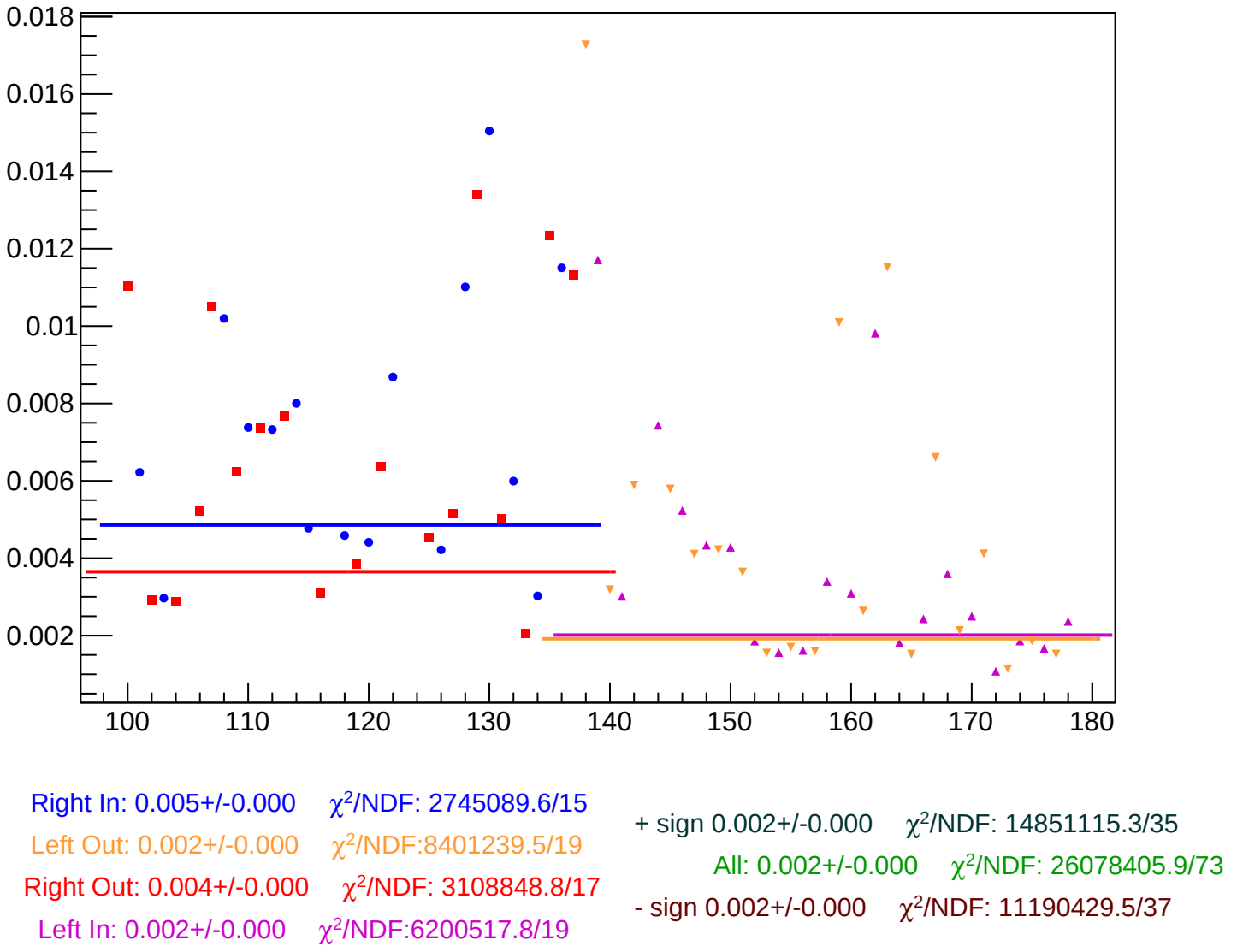
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:22.2/19

+ sign 0.000+/-0.000 χ^2/NDF: 49.6/35

All: 0.000+/-0.000 χ^2/NDF: 89.3/73

- sign 0.000+/-0.000 χ^2/NDF: 39.7/37


asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
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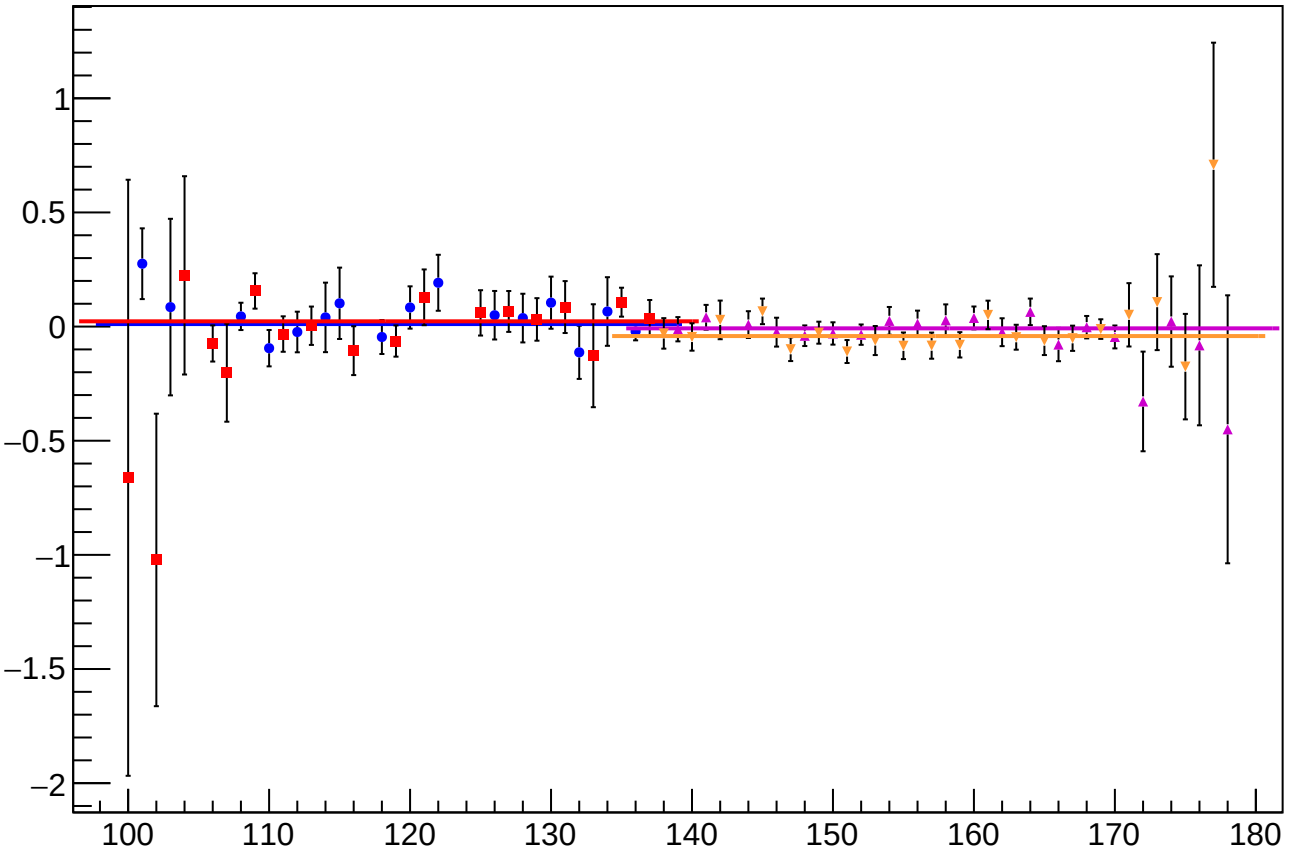
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
Right In: 0.005+/-0.000 χ²/NDF: 2745089.6/15
Left Out: 0.002+/-0.000 χ²/NDF:8401239.5/19
Right Out: 0.004+/-0.000 χ²/NDF: 3108848.8/17
Left In: 0.002+/-0.000 χ²/NDF:6200517.8/19
+ sign 0.002+/-0.000 χ²/NDF: 14851115.3/35
All: 0.002+/-0.000 χ²/NDF: 26078405.9/73
- sign 0.002+/-0.000 χ²/NDF: 11190429.5/37



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:15.4/19

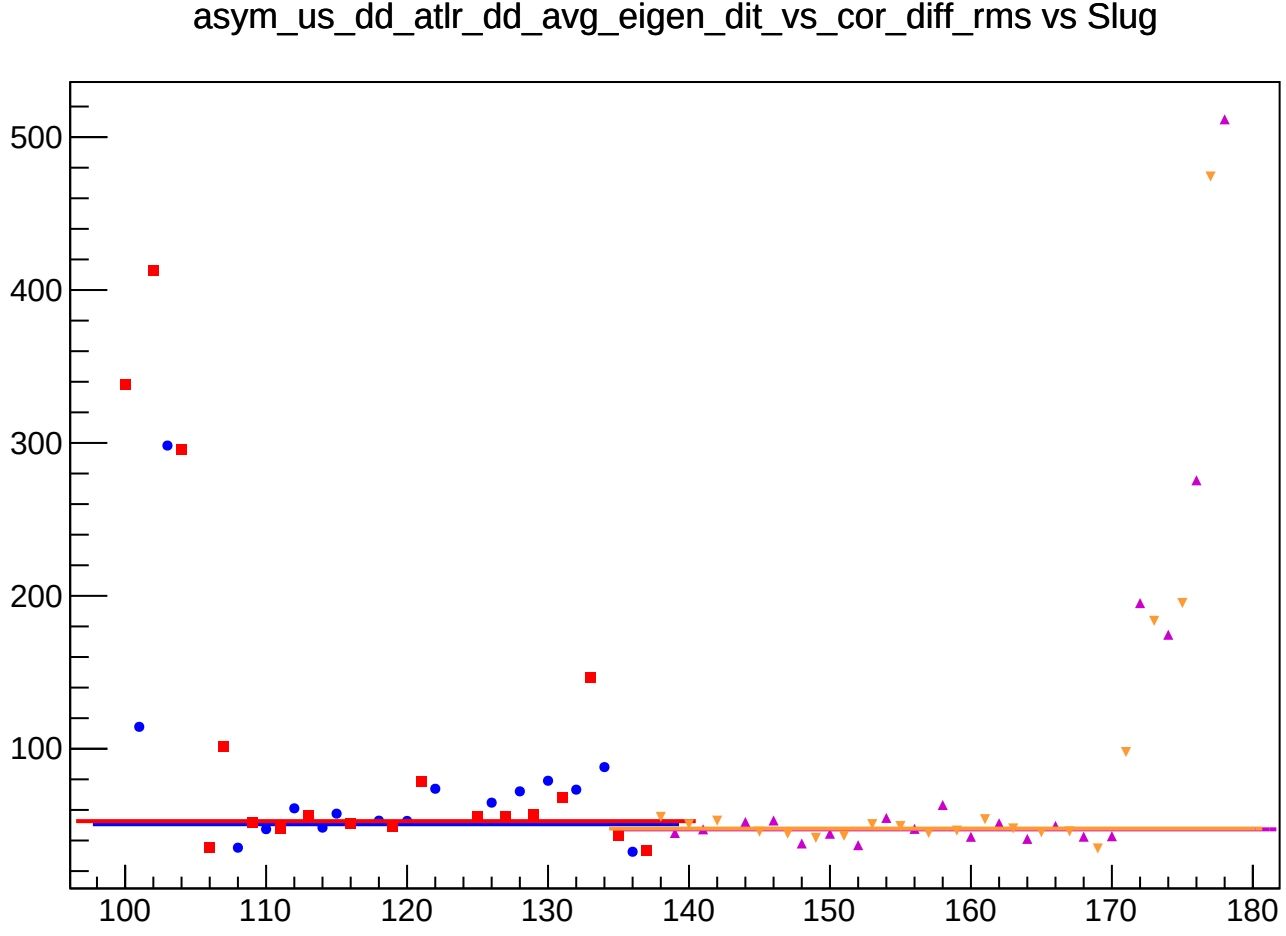
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: -0.008+/-0.014 χ^2/NDF:9.5/19

+ sign -0.026+/-0.012 χ^2/NDF: 31.2/35

All: -0.013+/-0.008 χ^2/NDF: 60.5/73

- sign 0.000+/-0.012 χ^2/NDF: 26.7/37



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 47.793+/-0.010 χ^2/NDF:3500723.8/19

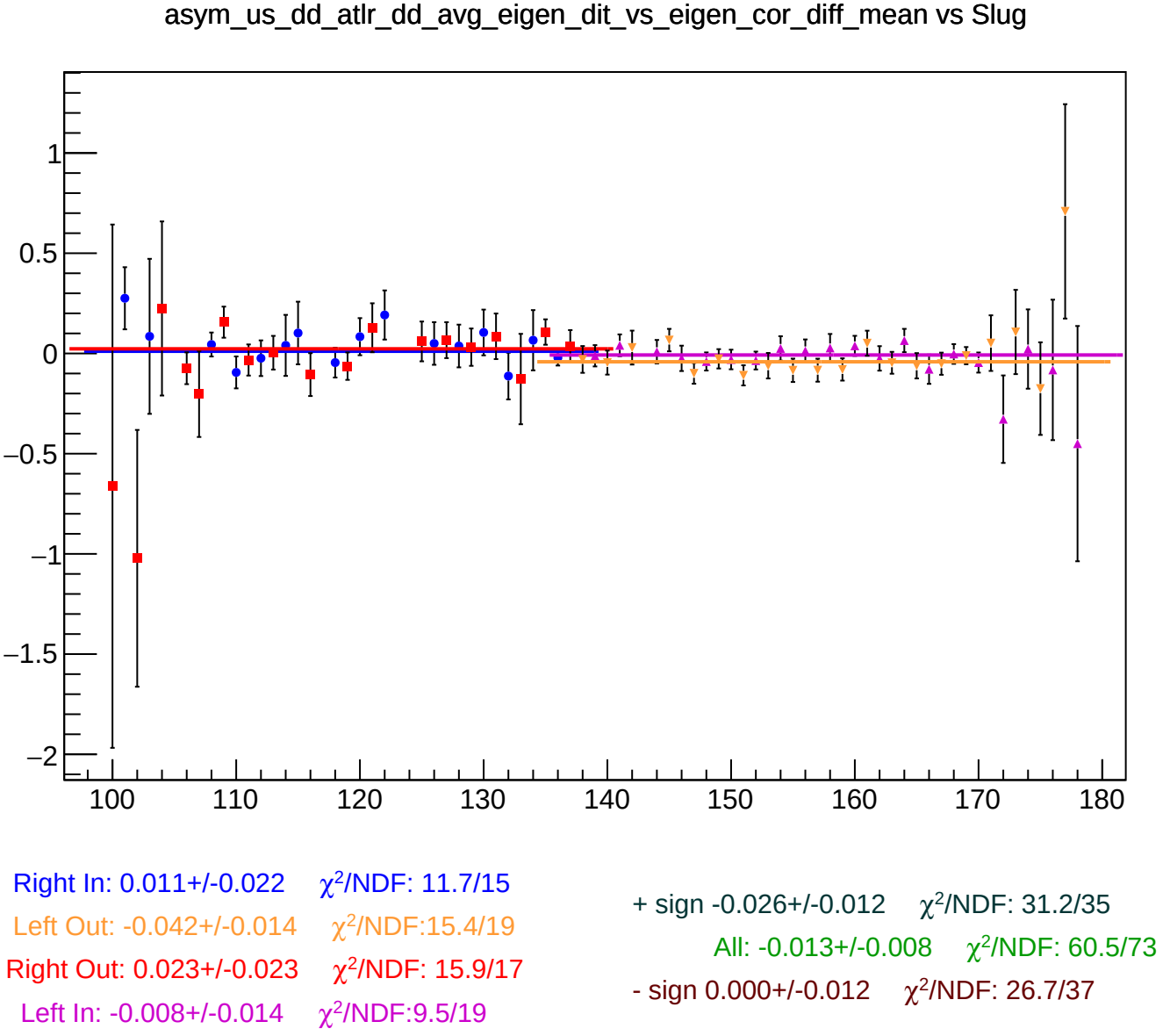
Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

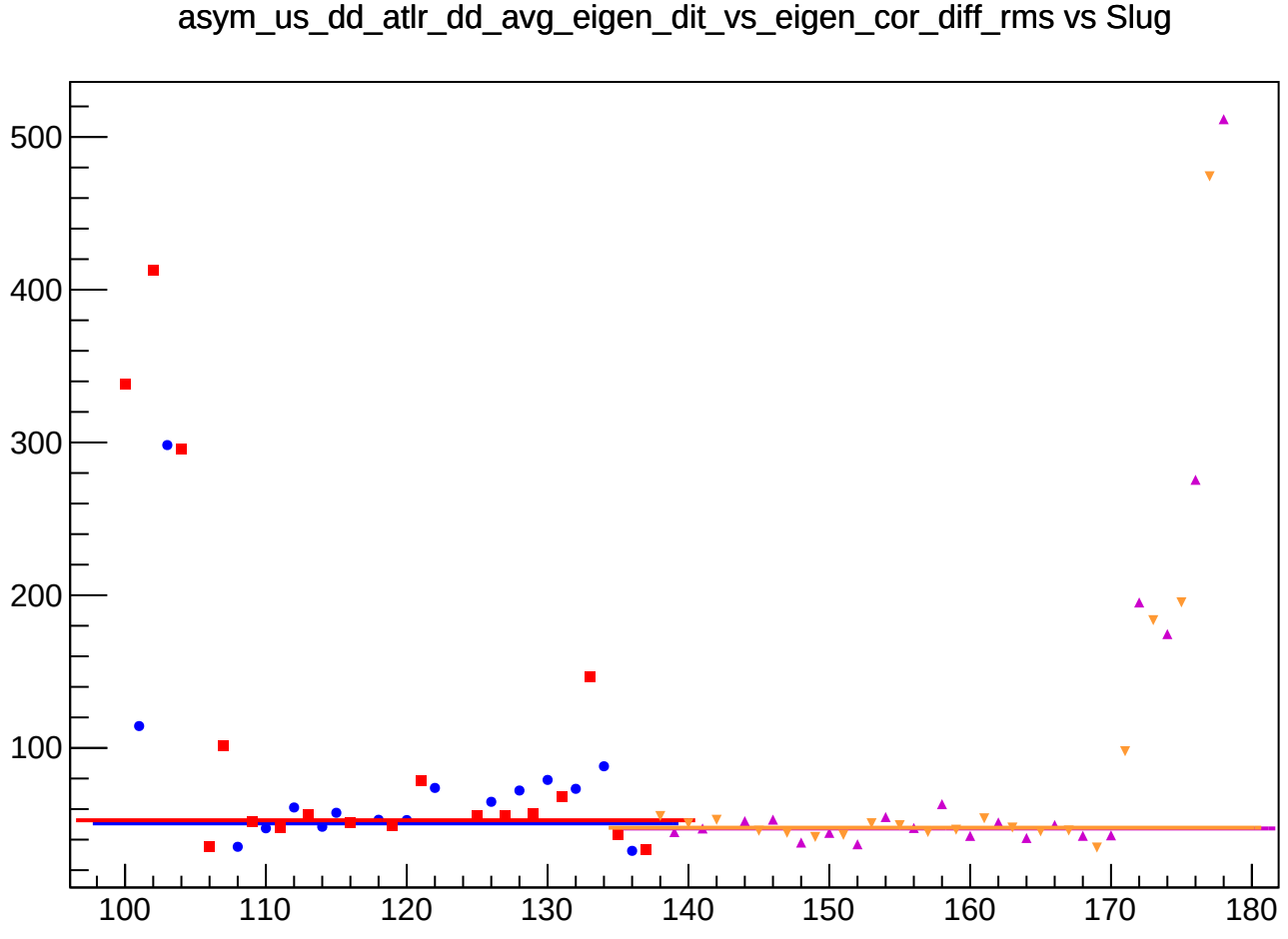
Left In: 47.301+/-0.010 χ^2/NDF:4300659.7/19

\+ sign 48.618+/-0.008 χ^2/NDF: 5791253.5/35

All: 48.646+/-0.006 χ^2/NDF: 12383976.6/73

\- sign 48.674+/-0.008 χ^2/NDF: 6592700.2/37


asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
1
0.5
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
160
170
180
Right In: 0.011+/-0.022 χ²/NDF: 11.7/15
Left Out: -0.042+/-0.014 χ²/NDF:15.4/19
Right Out: 0.023+/-0.023 χ²/NDF: 15.9/17
Left In: -0.008+/-0.014 χ²/NDF:9.5/19
+ sign -0.026+/-0.012 χ²/NDF: 31.2/35
All: -0.013+/-0.008 χ²/NDF: 60.5/73
- sign 0.000+/-0.012 χ²/NDF: 26.7/37



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 47.793+/-0.010 χ^2/NDF:3500723.8/19

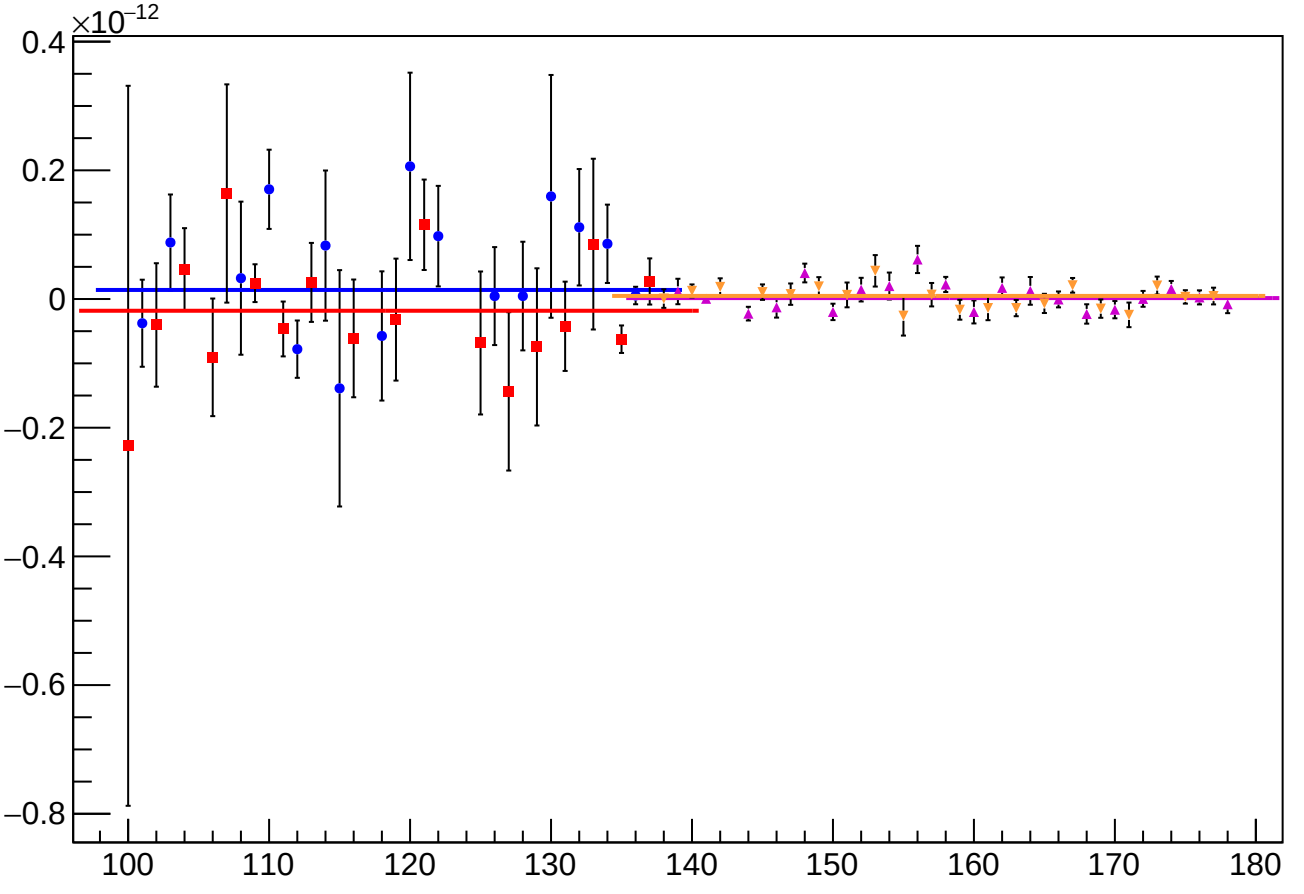
Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 47.301+/-0.010 χ^2/NDF:4300659.7/19

\+ sign 48.618+/-0.008 χ^2/NDF: 5791253.5/35

All: 48.646+/-0.006 χ^2/NDF: 12383976.6/73

\- sign 48.674+/-0.008 χ^2/NDF: 6592700.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.2/19

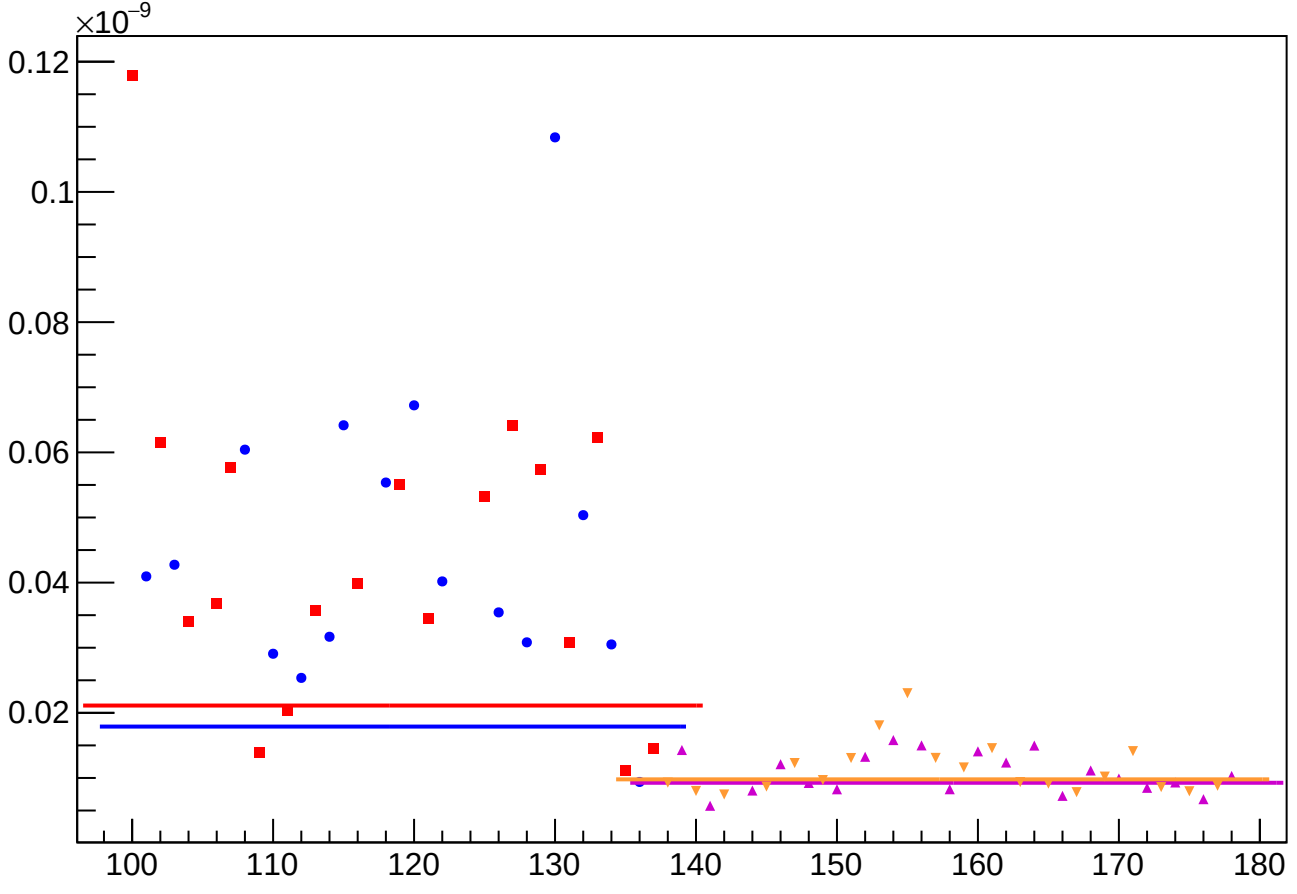
Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: 0.000+/-0.000 χ^2/NDF:37.8/19

+ sign 0.000+/-0.000 χ^2/NDF: 41.1/35

All: 0.000+/-0.000 χ^2/NDF: 100.8/73

- sign 0.000+/-0.000 χ^2/NDF: 58.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1323173.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

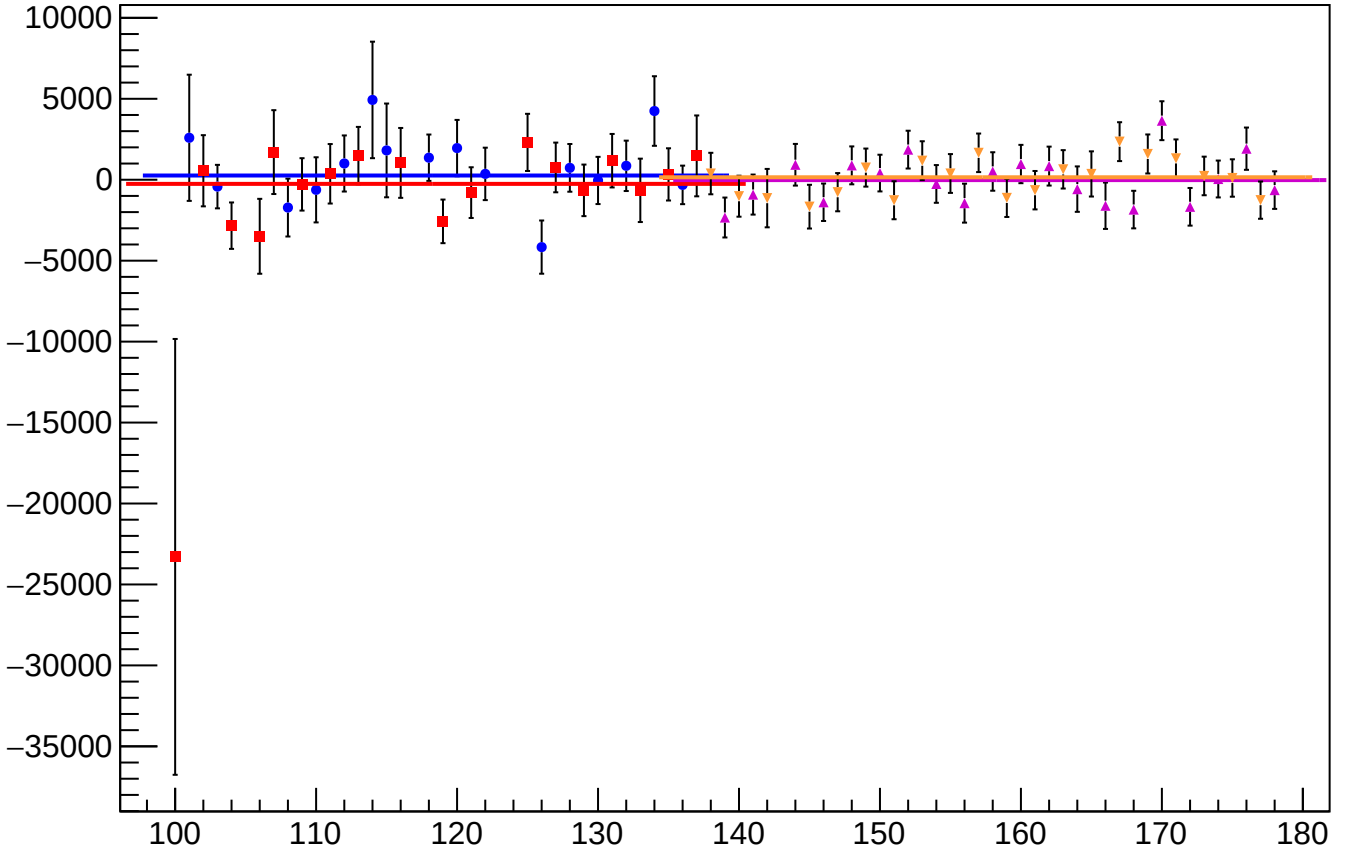
Left In: 0.000+/-0.000 χ^2/NDF:1662137.9/19

+ sign 0.000+/-0.000 χ^2/NDF: 5670557.7/35

All: 0.000+/-0.000 χ^2/NDF: 11671017.2/73

- sign 0.000+/-0.000 χ^2/NDF: 5975770.1/37

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: 151.649+/-273.918 χ^2/NDF:17.0/19

Right Out: -255.934+/-425.784 χ^2/NDF: 17.4/17

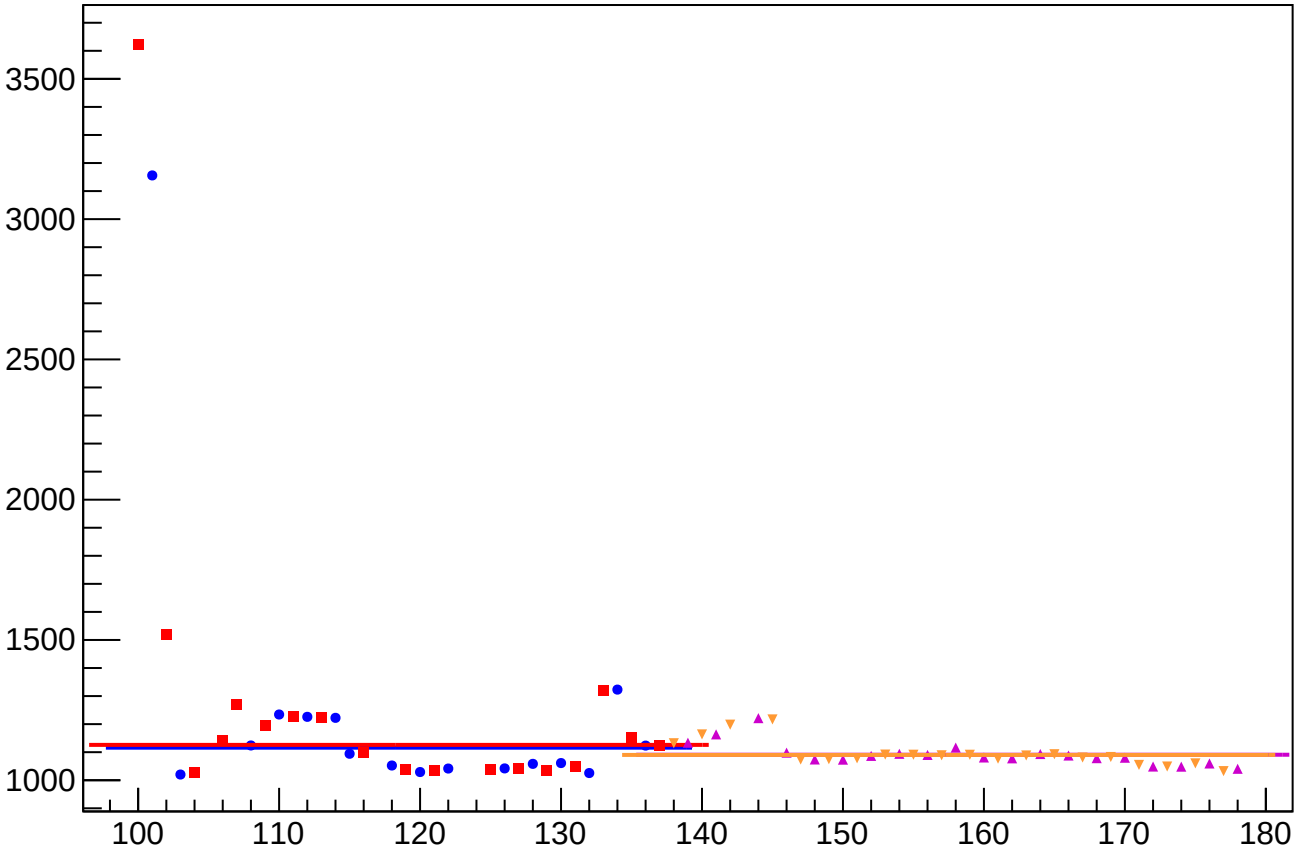
Left In: -22.577+/-270.011 χ^2/NDF:29.9/19

+ sign 183.719+/-230.186 χ^2/NDF: 34.0/35

All: 45.819+/-161.997 χ^2/NDF: 82.2/73

- sign -89.505+/-228.027 χ^2/NDF: 47.5/37

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1090.237+/-0.194 χ^2/NDF:45537.4/19

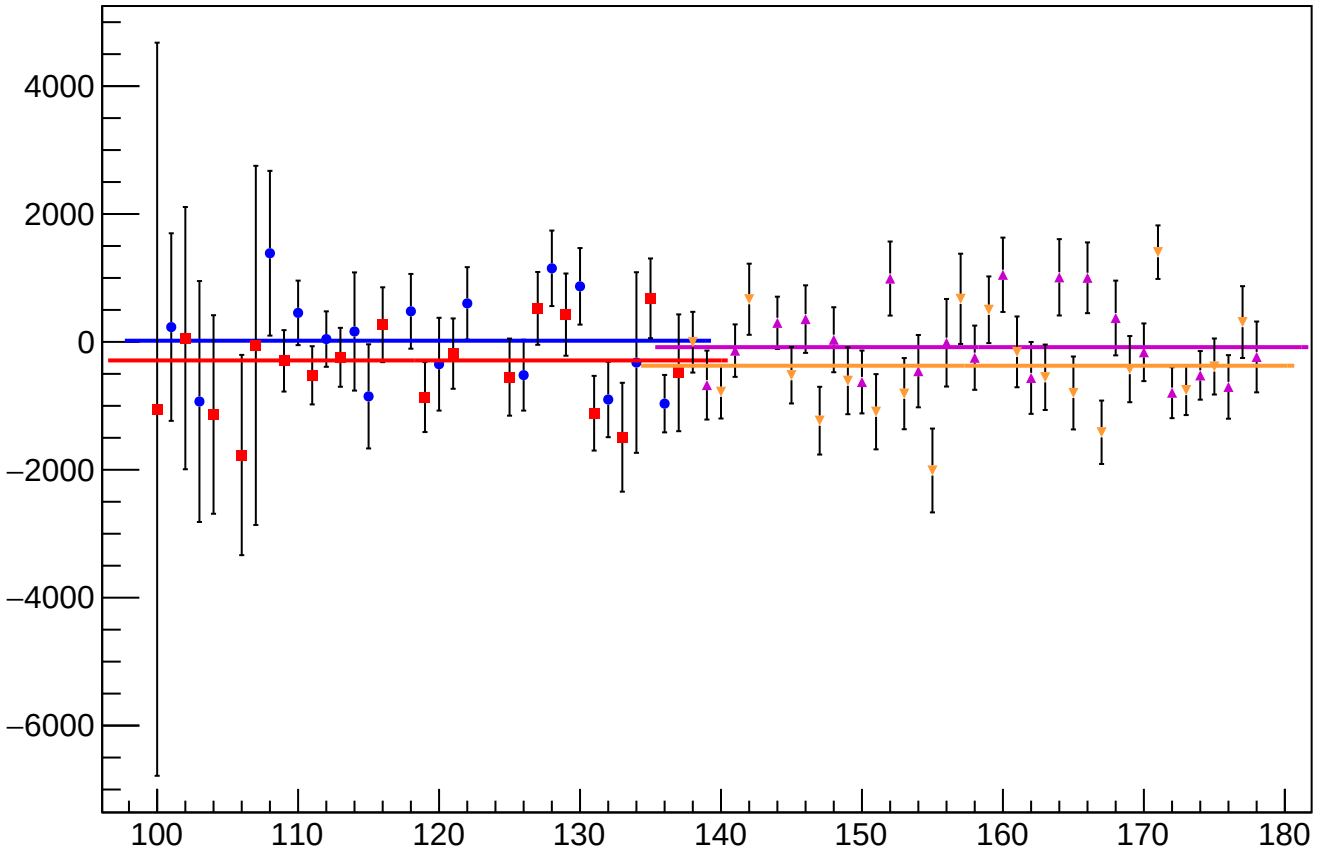
Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1090.887+/-0.191 χ^2/NDF:42787.0/19

+ sign 1097.833+/-0.163 χ^2/NDF: 674162.7/35

All: 1099.412+/-0.115 χ^2/NDF: 948951.5/73

- sign 1100.962+/-0.161 χ^2/NDF: 274602.3/37



Right In: 18.468+/-161.237 χ^2/NDF: 19.2/15

Left Out: -372.630+/-112.906 χ^2/NDF:47.0/19

Right Out: -289.946+/-156.189 χ^2/NDF: 13.5/17

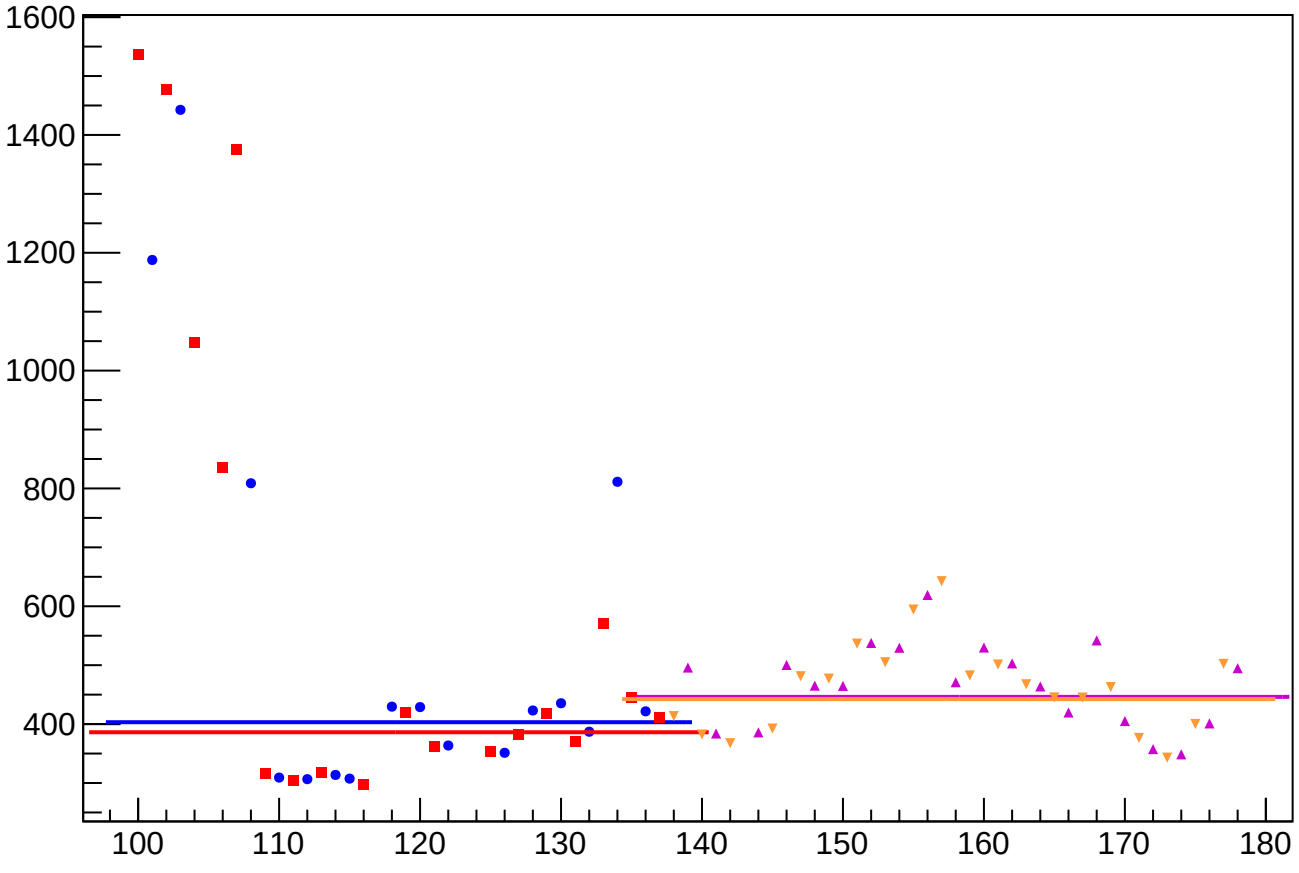
Left In: -82.083+/-111.983 χ^2/NDF:26.6/19

+ sign -243.953+/-92.485 χ^2/NDF: 70.2/35

All: -197.570+/-64.869 χ^2/NDF: 111.9/73

- sign -152.656+/-91.008 χ^2/NDF: 41.3/37

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: 442.397+/-0.080 χ^2/NDF:737502.1/19

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

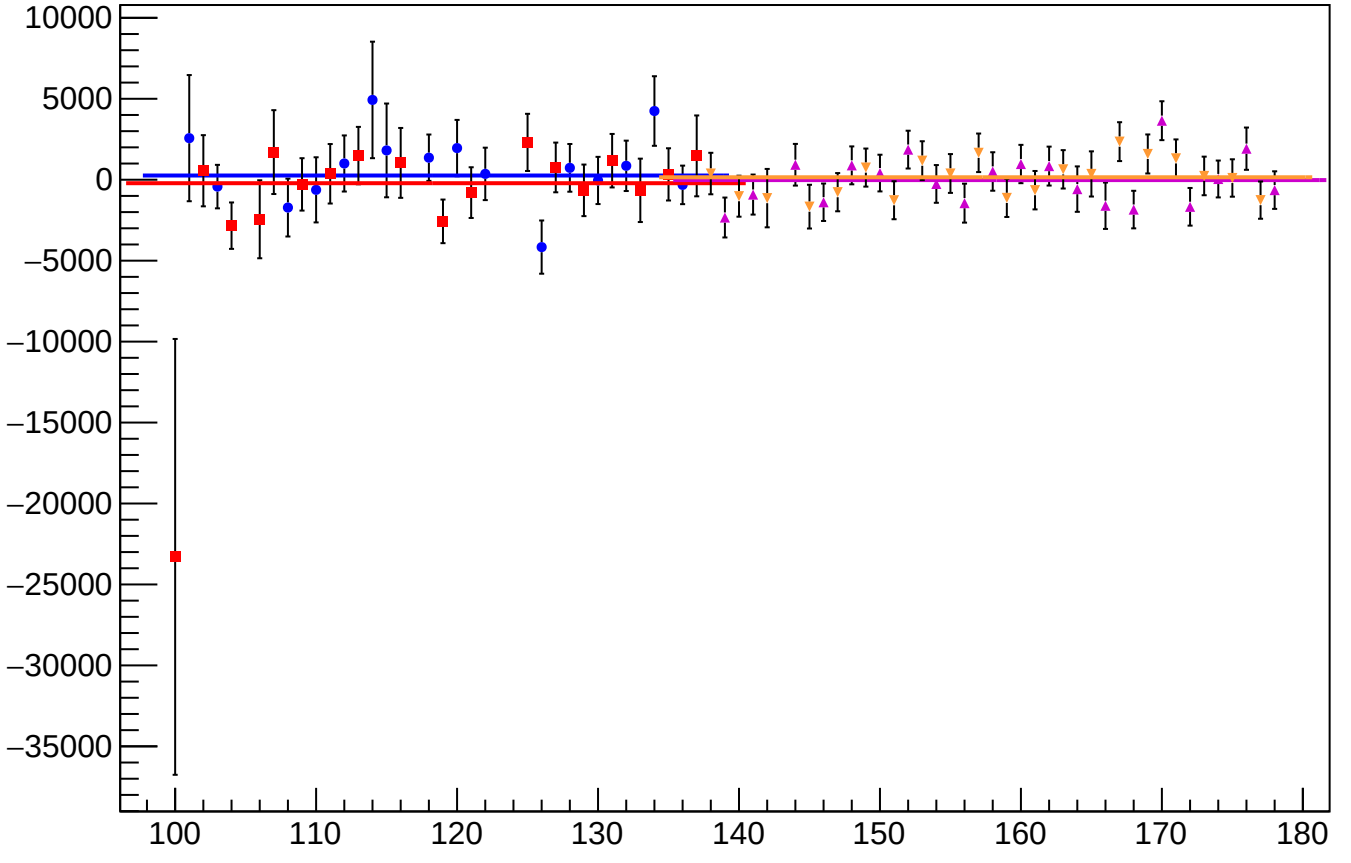
Left In: 446.205+/-0.079 χ^2/NDF:760456.7/19

+ sign 429.499+/-0.065 χ^2/NDF: 2625265.6/35

All: 427.627+/-0.046 χ^2/NDF: 5341768.6/73

- sign 425.814+/-0.064 χ^2/NDF: 2714890.2/37

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: 151.673+/-273.918 χ^2/NDF:17.0/19

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

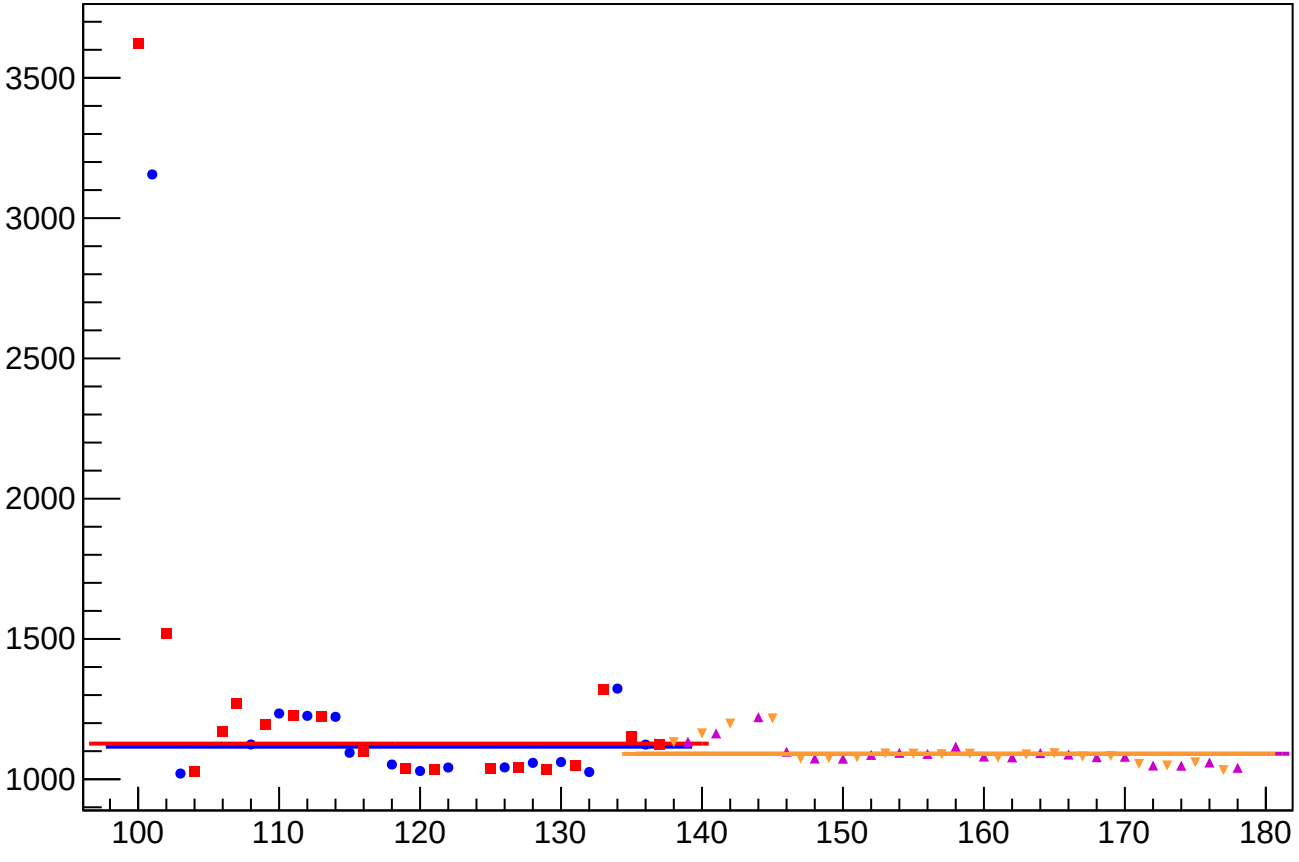
Left In: -22.578+/-270.011 χ^2/NDF:29.9/19

+ sign 183.623+/-230.186 χ^2/NDF: 34.0/35

All: 51.870+/-162.028 χ^2/NDF: 80.9/73

- sign -77.520+/-228.112 χ^2/NDF: 46.3/37

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1090.237+/-0.194 χ^2/NDF:45537.4/19

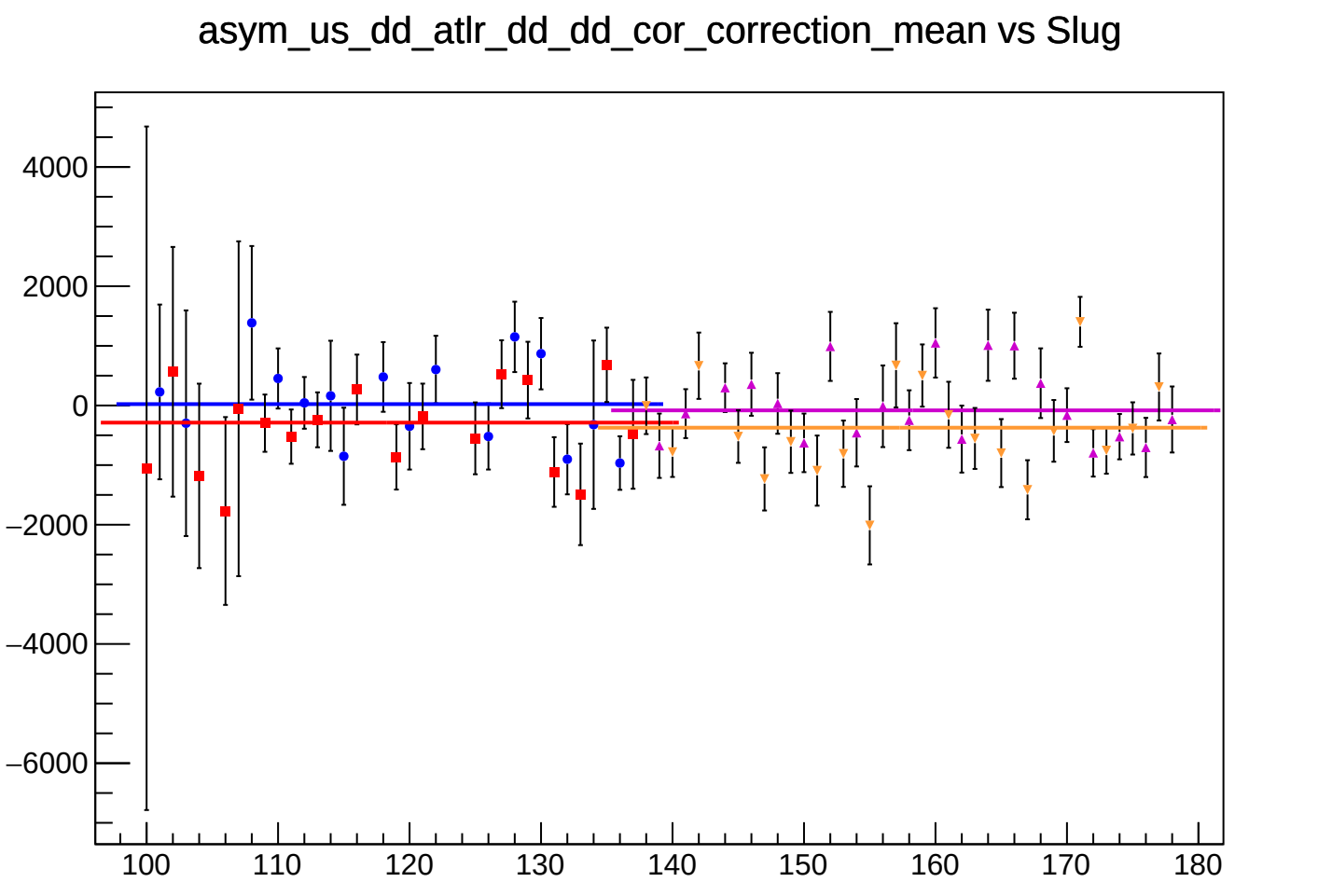
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1090.887+/-0.191 χ^2/NDF:42787.0/19

+ sign 1097.833+/-0.163 χ^2/NDF: 674163.6/35

All: 1099.538+/-0.115 χ^2/NDF: 950127.9/73

- sign 1101.214+/-0.161 χ^2/NDF: 275746.6/37



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -372.654+/-112.905 χ^2/NDF:47.0/19

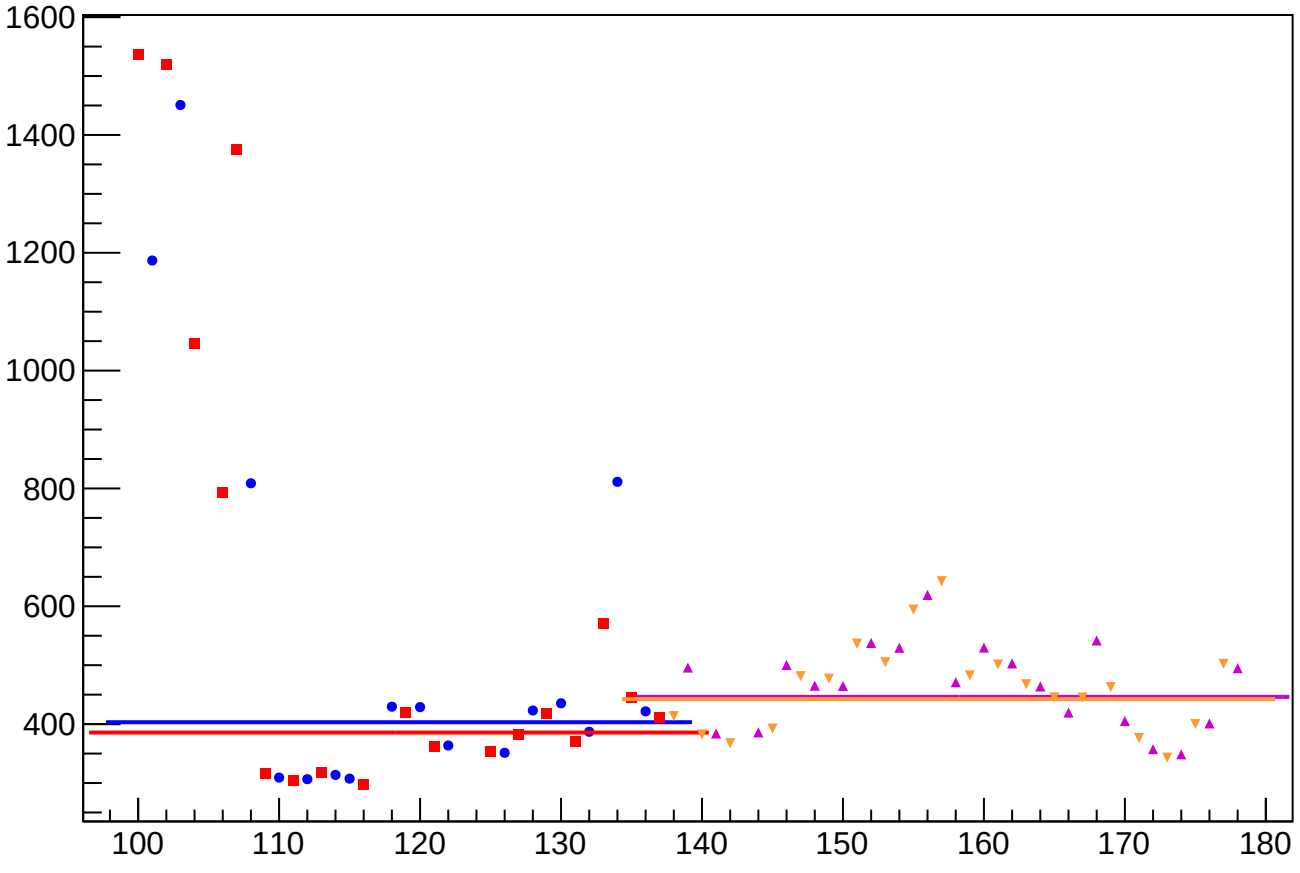
Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: -82.061+/-111.983 χ^2/NDF:26.6/19

+ sign -242.505+/-92.485 χ^2/NDF: 70.0/35

All: -196.444+/-64.870 χ^2/NDF: 111.9/73

- sign -151.836+/-91.013 χ^2/NDF: 41.4/37



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 442.393+/-0.080 χ^2/NDF:737583.8/19

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

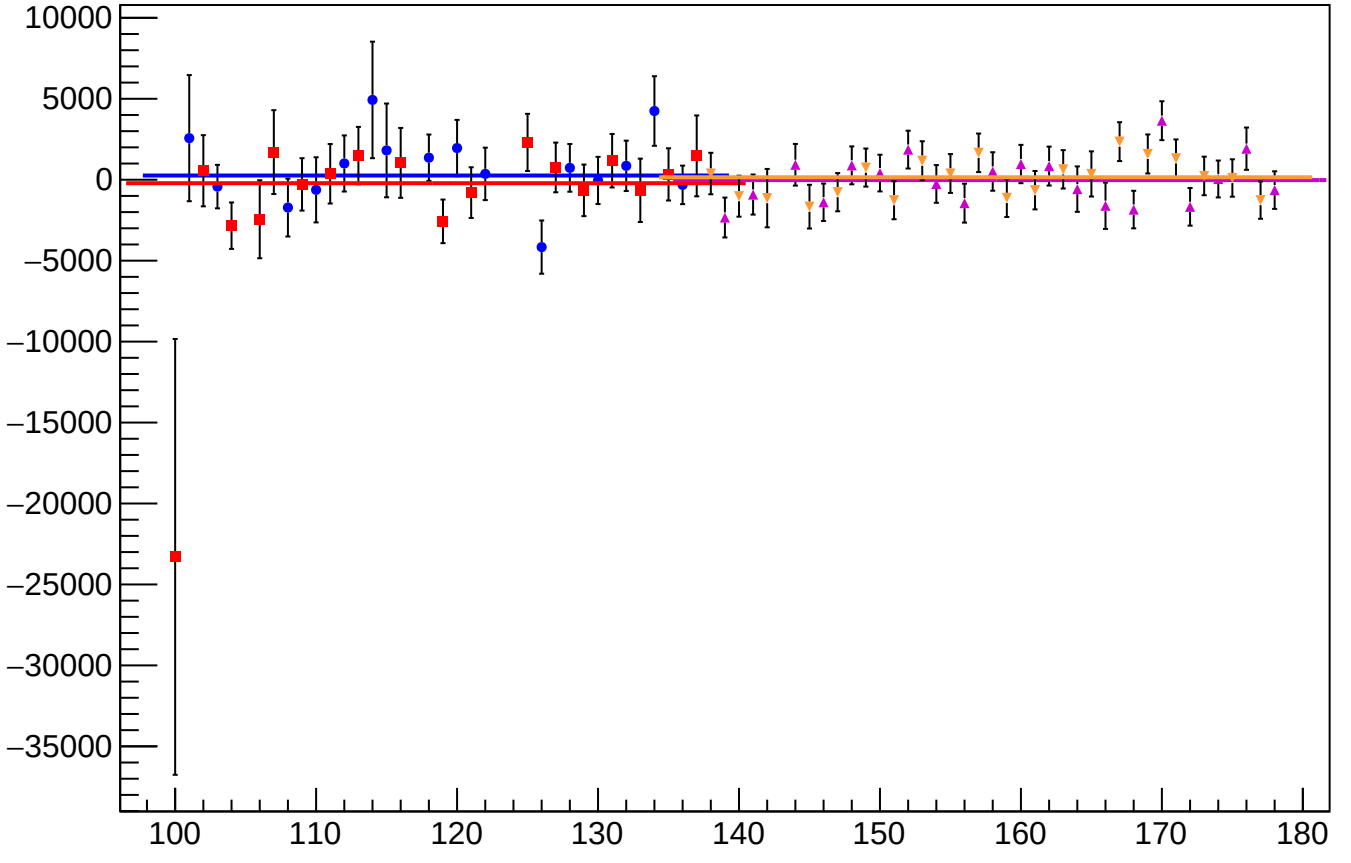
Left In: 446.206+/-0.079 χ^2/NDF:760332.6/19

+ sign 429.492+/-0.065 χ^2/NDF: 2629059.8/35

All: 427.546+/-0.046 χ^2/NDF: 5336609.3/73

- sign 425.661+/-0.064 χ^2/NDF: 2705805.5/37

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: 151.673+/-273.918 χ^2/NDF:17.0/19

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

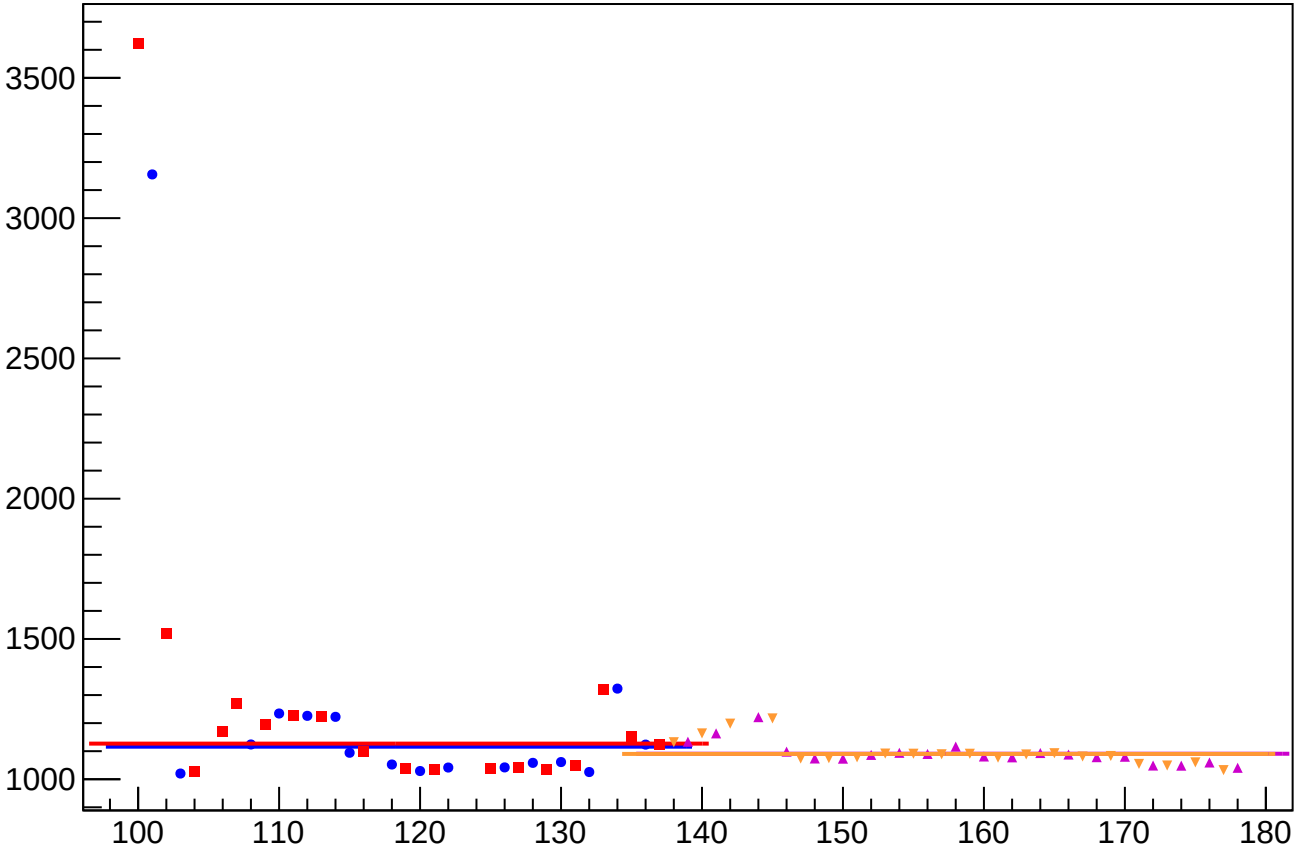
Left In: -22.578+/-270.011 χ^2/NDF:29.9/19

+ sign 183.623+/-230.186 χ^2/NDF: 34.0/35

All: 51.870+/-162.028 χ^2/NDF: 80.9/73

- sign -77.520+/-228.112 χ^2/NDF: 46.3/37

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: 1090.237+/-0.194 χ^2/NDF:45537.4/19

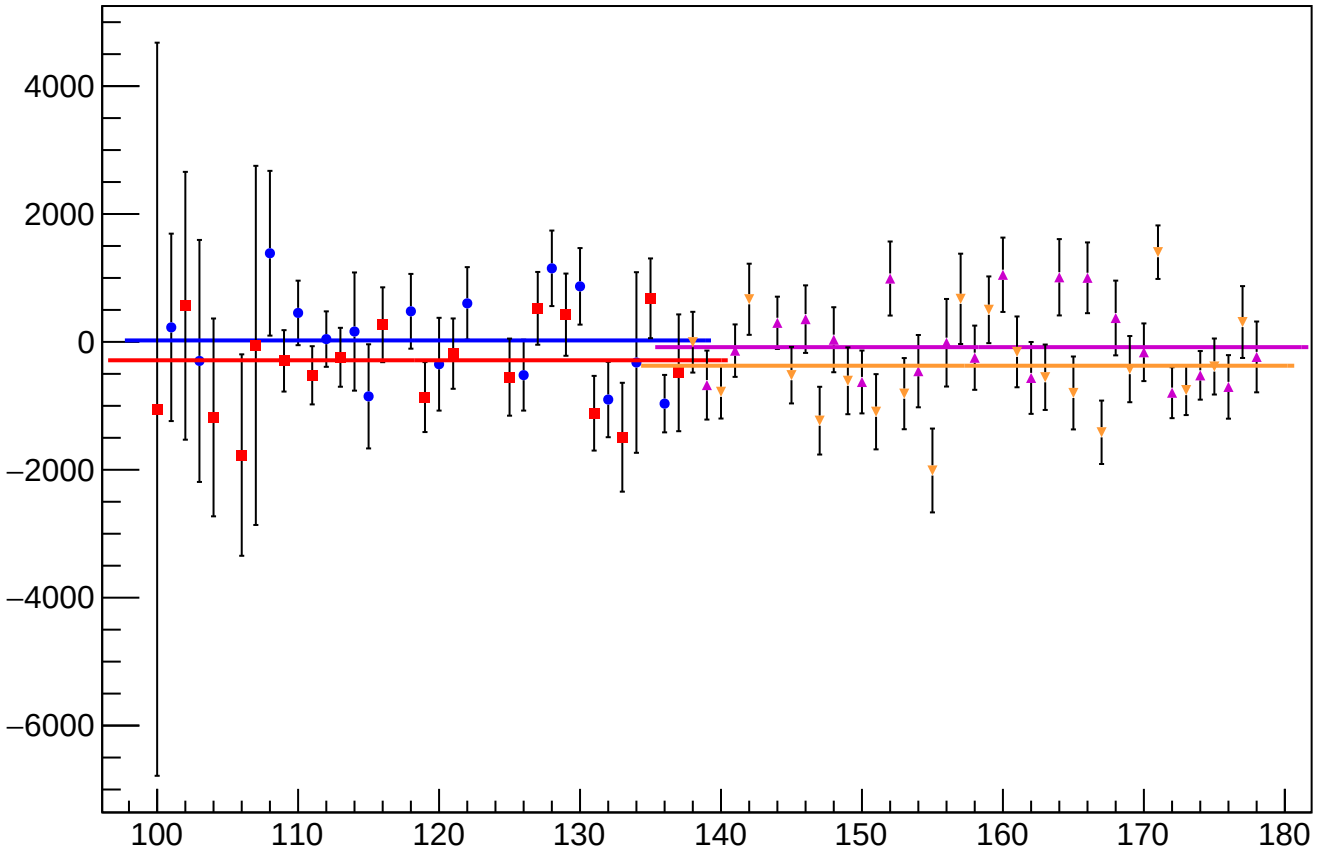
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1090.887+/-0.191 χ^2/NDF:42787.0/19

+ sign 1097.833+/-0.163 χ^2/NDF: 674163.6/35

All: 1099.538+/-0.115 χ^2/NDF: 950127.9/73

- sign 1101.214+/-0.161 χ^2/NDF: 275746.6/37



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -372.654+/-112.905 χ^2/NDF:47.0/19

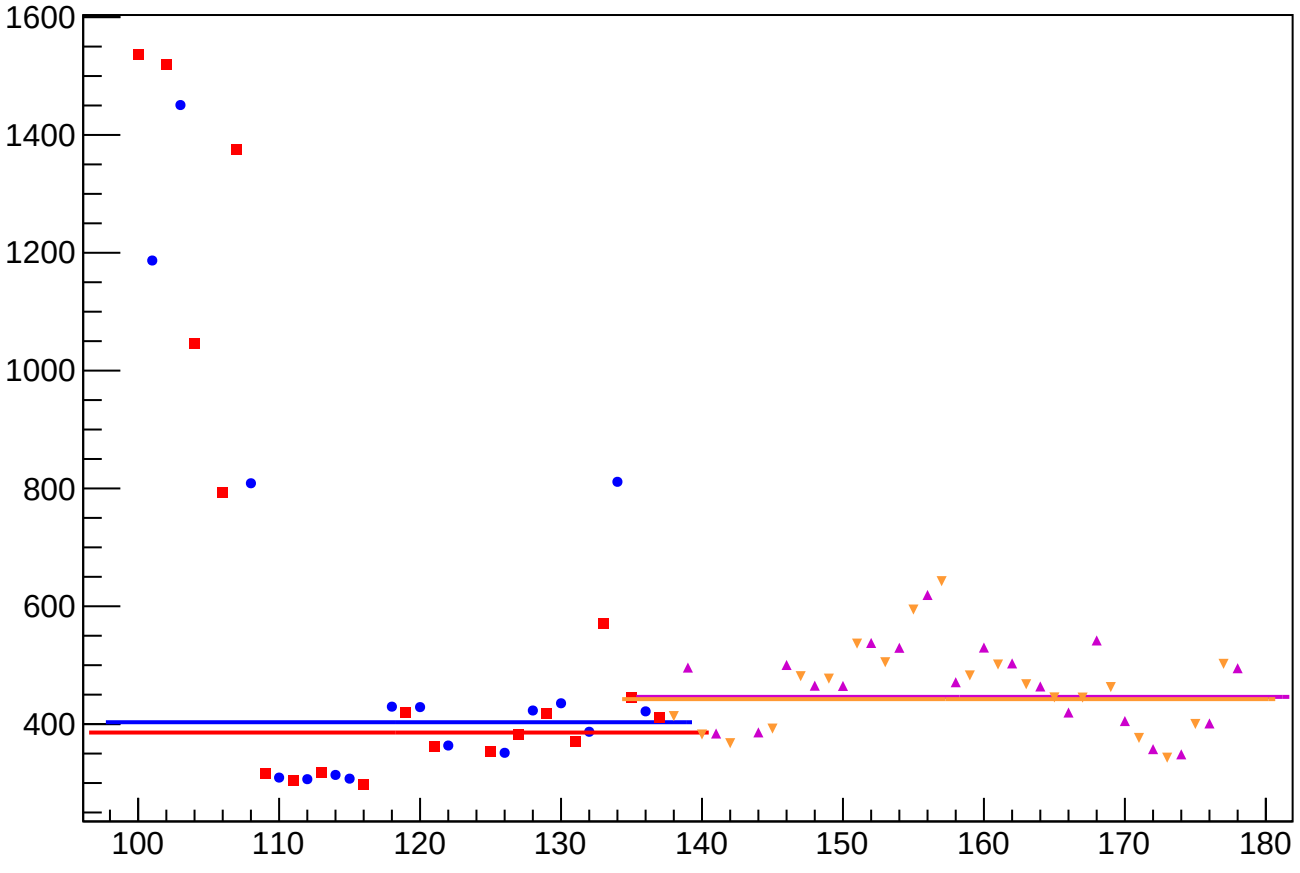
Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: -82.061+/-111.983 χ^2/NDF:26.6/19

\+ sign -242.505+/-92.485 χ^2/NDF: 70.0/35

All: -196.444+/-64.870 χ^2/NDF: 111.9/73

\- sign -151.836+/-91.013 χ^2/NDF: 41.4/37



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 442.393+/-0.080 χ^2/NDF:737583.8/19

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

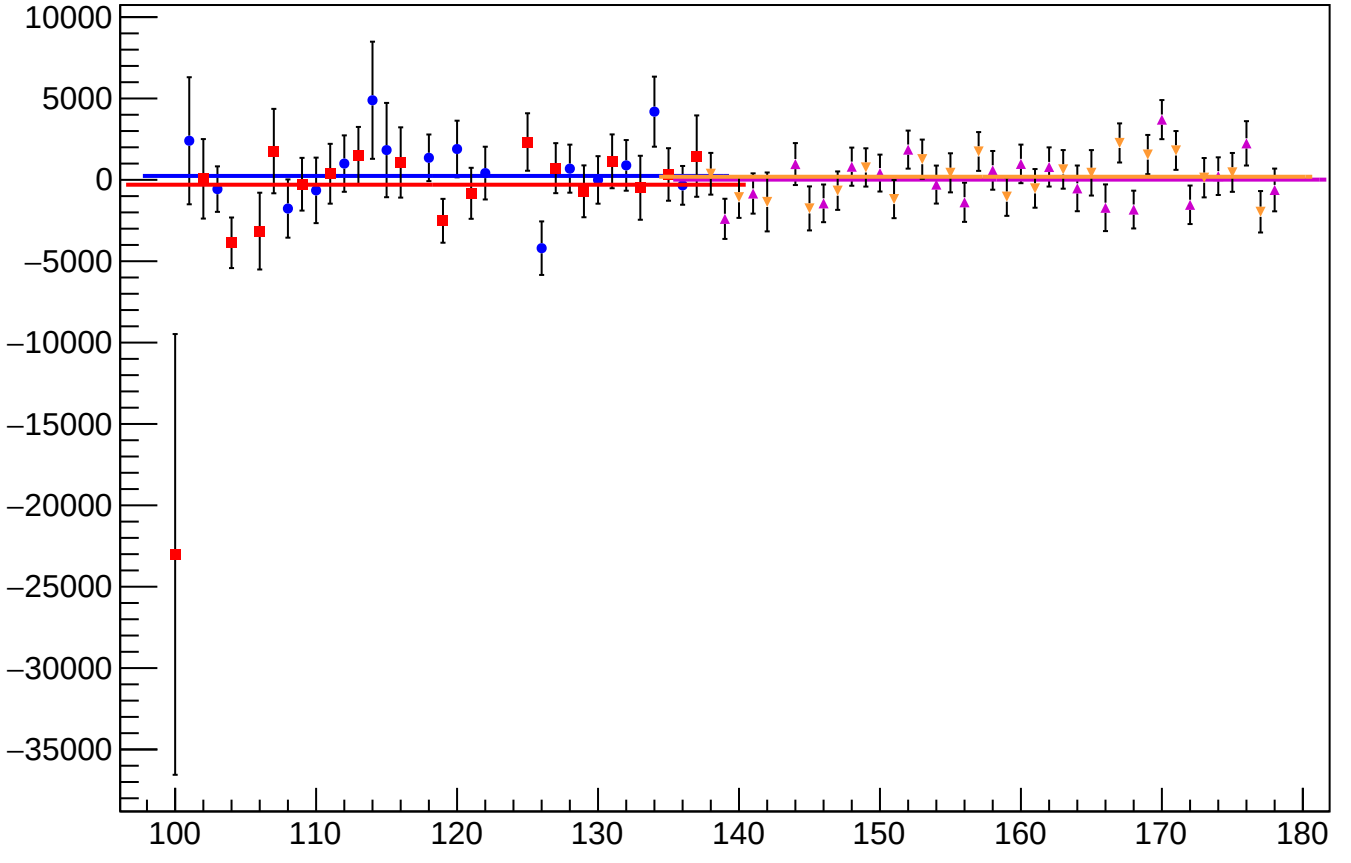
Left In: 446.206+/-0.079 χ^2/NDF:760332.6/19

+ sign 429.492+/-0.065 χ^2/NDF: 2629059.8/35

All: 427.546+/-0.046 χ^2/NDF: 5336609.3/73

- sign 425.661+/-0.064 χ^2/NDF: 2705805.5/37

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: 190.590+/-276.594 χ^2/NDF:19.1/19

Right Out: -298.921+/-430.767 χ^2/NDF: 18.7/17

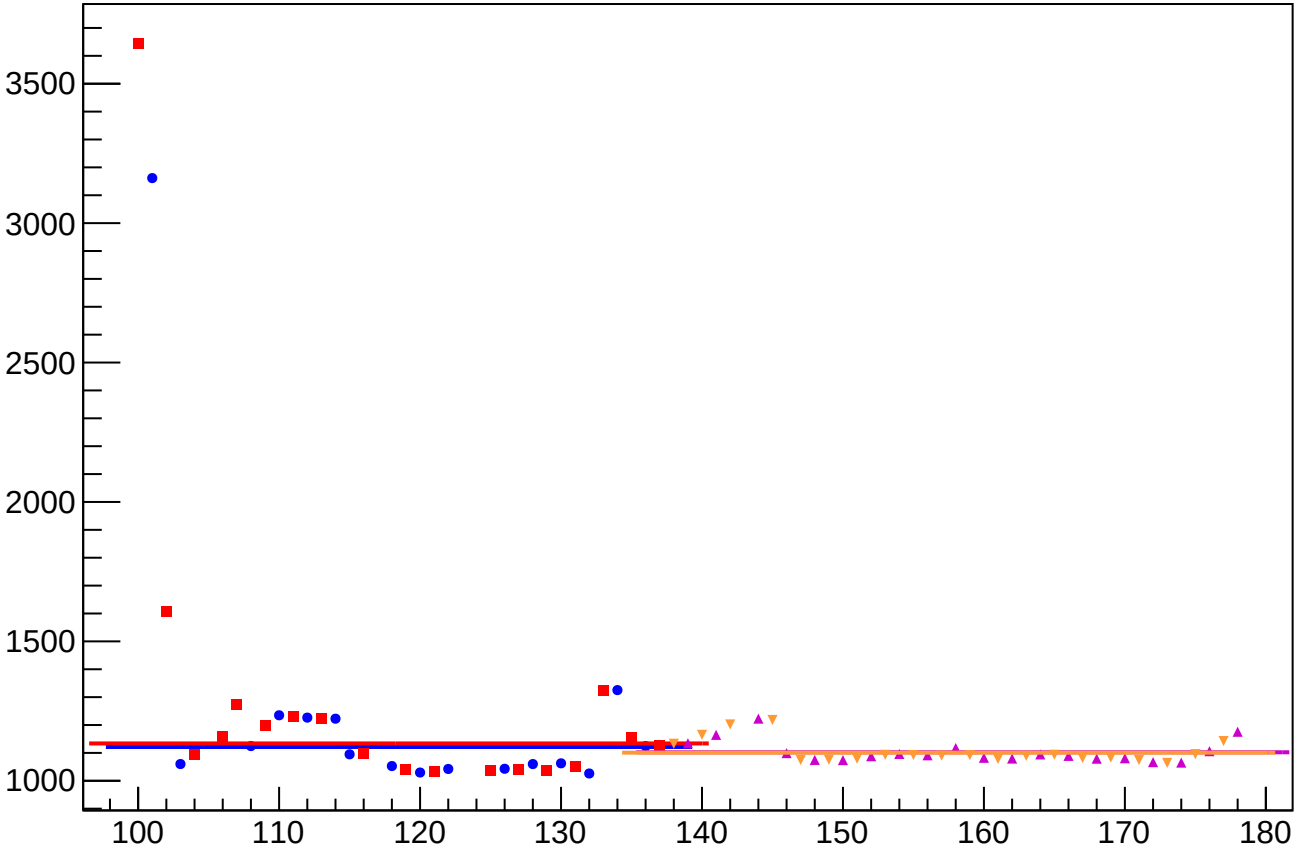
Left In: 13.746+/-272.834 χ^2/NDF:30.4/19

+ sign 205.459+/-232.080 χ^2/NDF: 36.1/35

All: 63.878+/-163.541 χ^2/NDF: 86.3/73

- sign -75.771+/-230.492 χ^2/NDF: 49.5/37

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1100.977+/-0.196 χ^2/NDF:37561.6/19

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

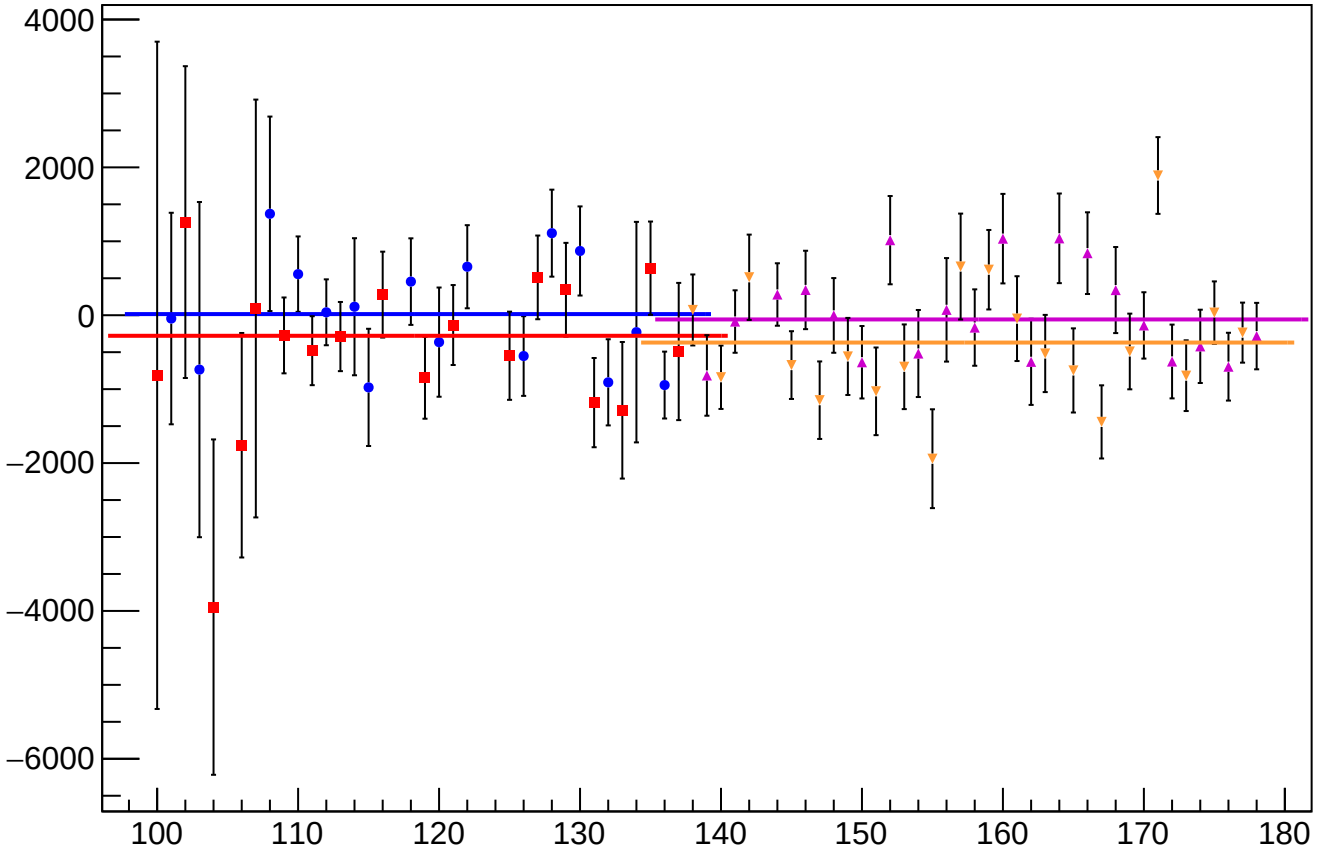
Left In: 1102.264+/-0.193 χ^2/NDF:40195.5/19

+ sign 1106.990+/-0.164 χ^2/NDF: 657783.9/35

All: 1109.175+/-0.116 χ^2/NDF: 933501.6/73

- sign 1111.330+/-0.163 χ^2/NDF: 275365.7/37

asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug



Right In: 15.291+/-161.845 χ^2/NDF: 19.6/15

Left Out: -369.712+/-114.832 χ^2/NDF:46.1/19

Right Out: -278.251+/-158.828 χ^2/NDF: 15.1/17

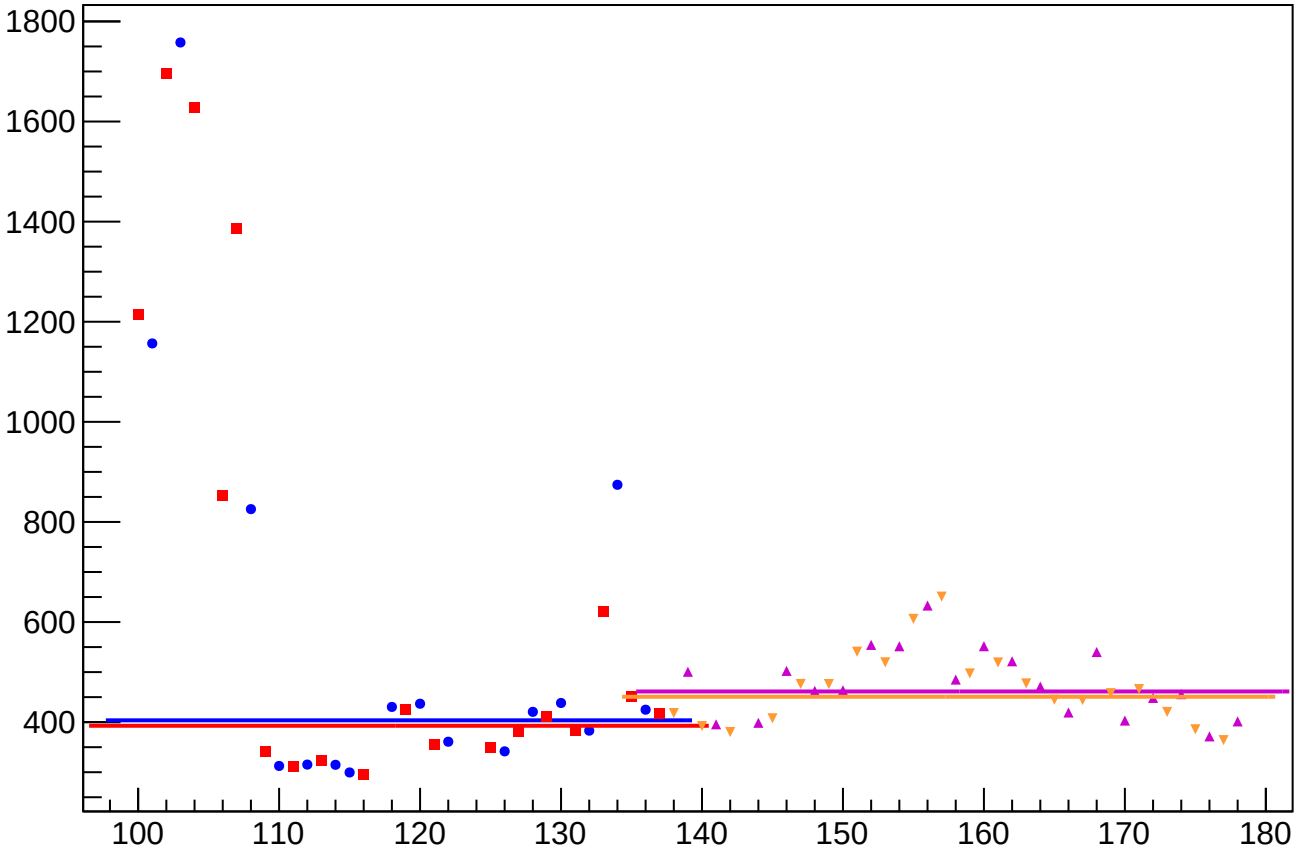
Left In: -57.087+/-115.420 χ^2/NDF:23.1/19

\+ sign -240.794+/-93.654 χ^2/NDF: 69.5/35

All: -186.994+/-66.122 χ^2/NDF: 109.6/73

\- sign -133.519+/-93.370 χ^2/NDF: 39.5/37

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: 450.731+/-0.081 χ^2/NDF:640685.1/19

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

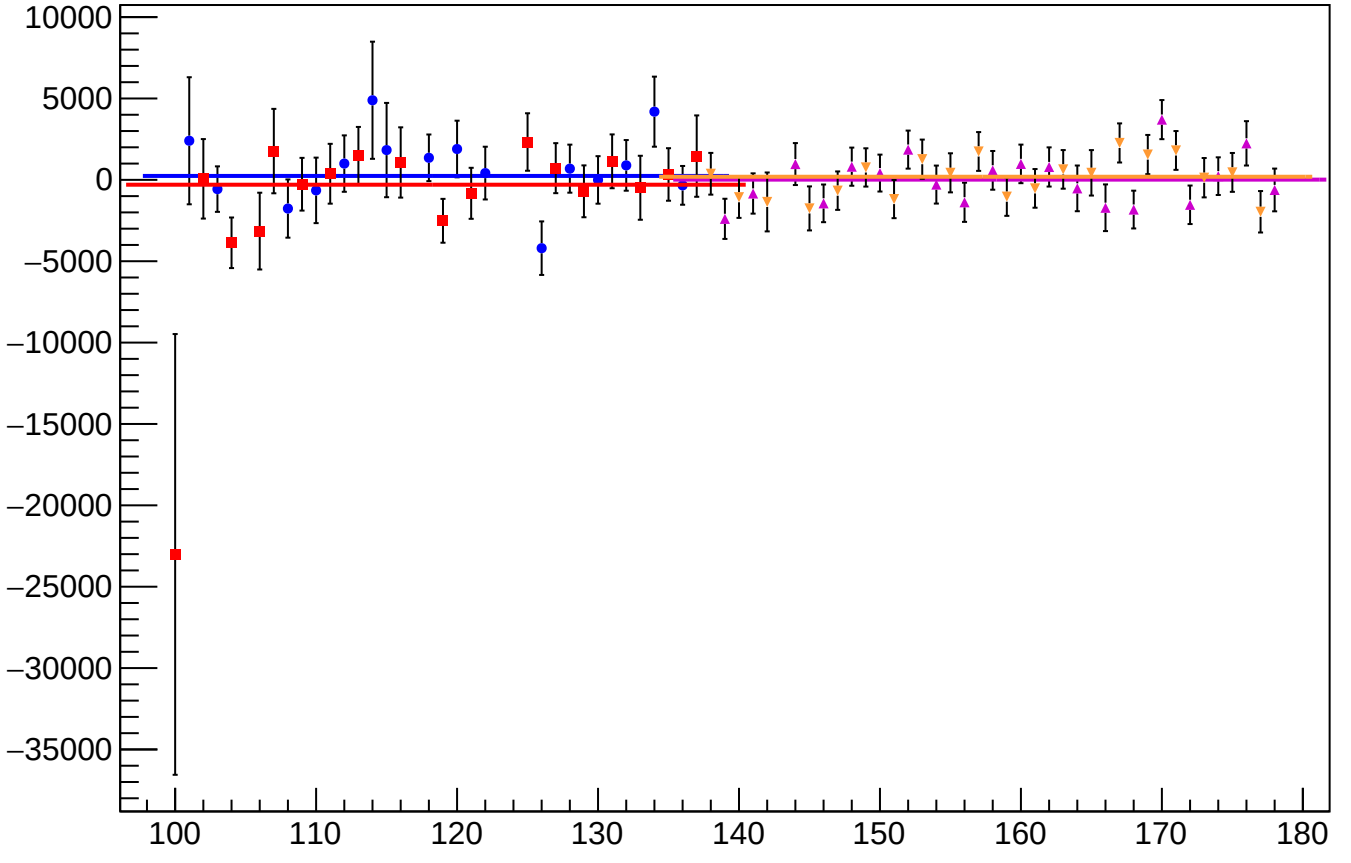
Left In: 461.302+/-0.082 χ^2/NDF:596716.7/19

+ sign 434.968+/-0.066 χ^2/NDF: 2682829.1/35

All: 436.306+/-0.047 χ^2/NDF: 5727136.5/73

- sign 437.636+/-0.066 χ^2/NDF: 3043493.5/37

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: 190.587+/-276.594 χ^2/NDF:19.1/19

Right Out: -298.922+/-430.767 χ^2/NDF: 18.7/17

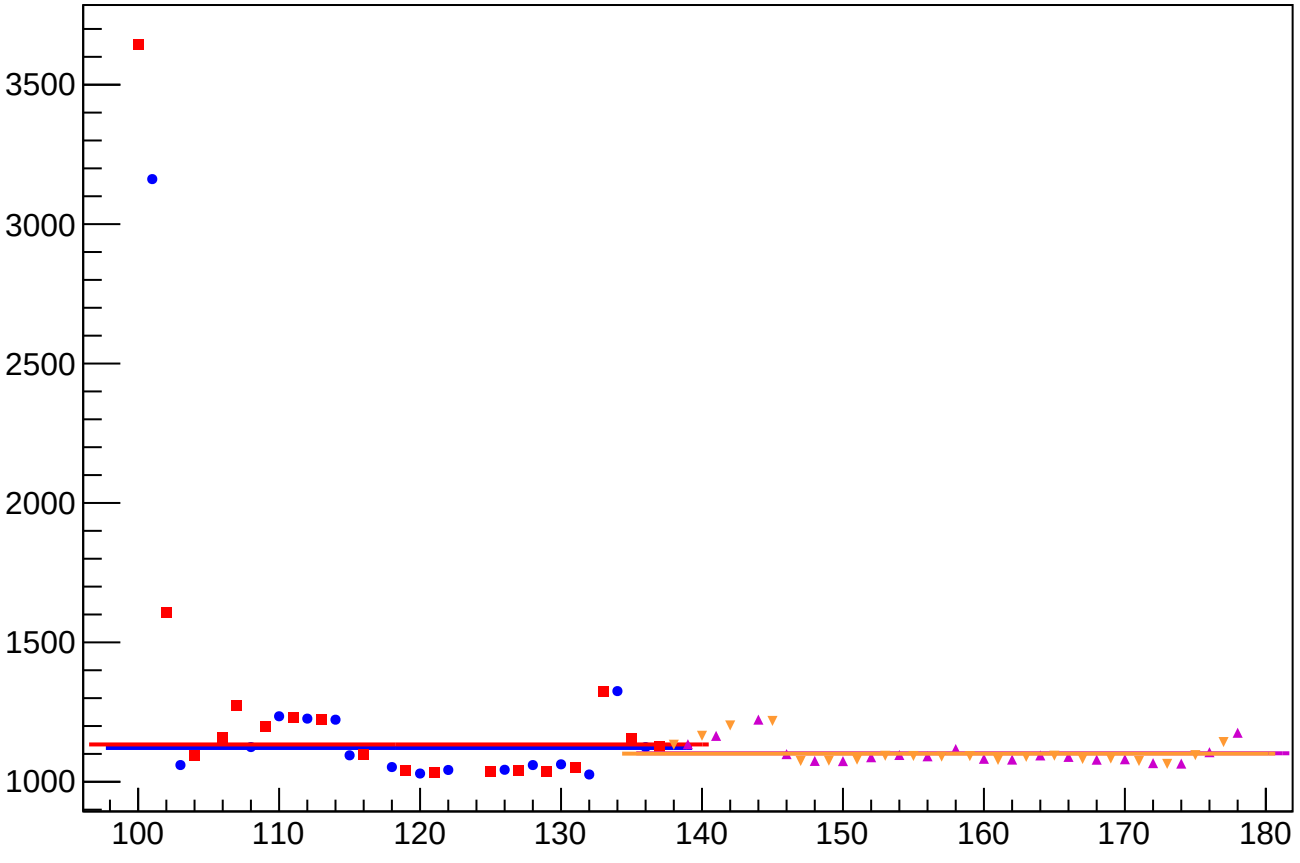
Left In: 13.745+/-272.834 χ^2/NDF:30.4/19

+ sign 205.458+/-232.080 χ^2/NDF: 36.1/35

All: 63.877+/-163.541 χ^2/NDF: 86.3/73

- sign -75.773+/-230.492 χ^2/NDF: 49.5/37

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: 1100.977+/-0.196 χ^2/NDF:37562.1/19

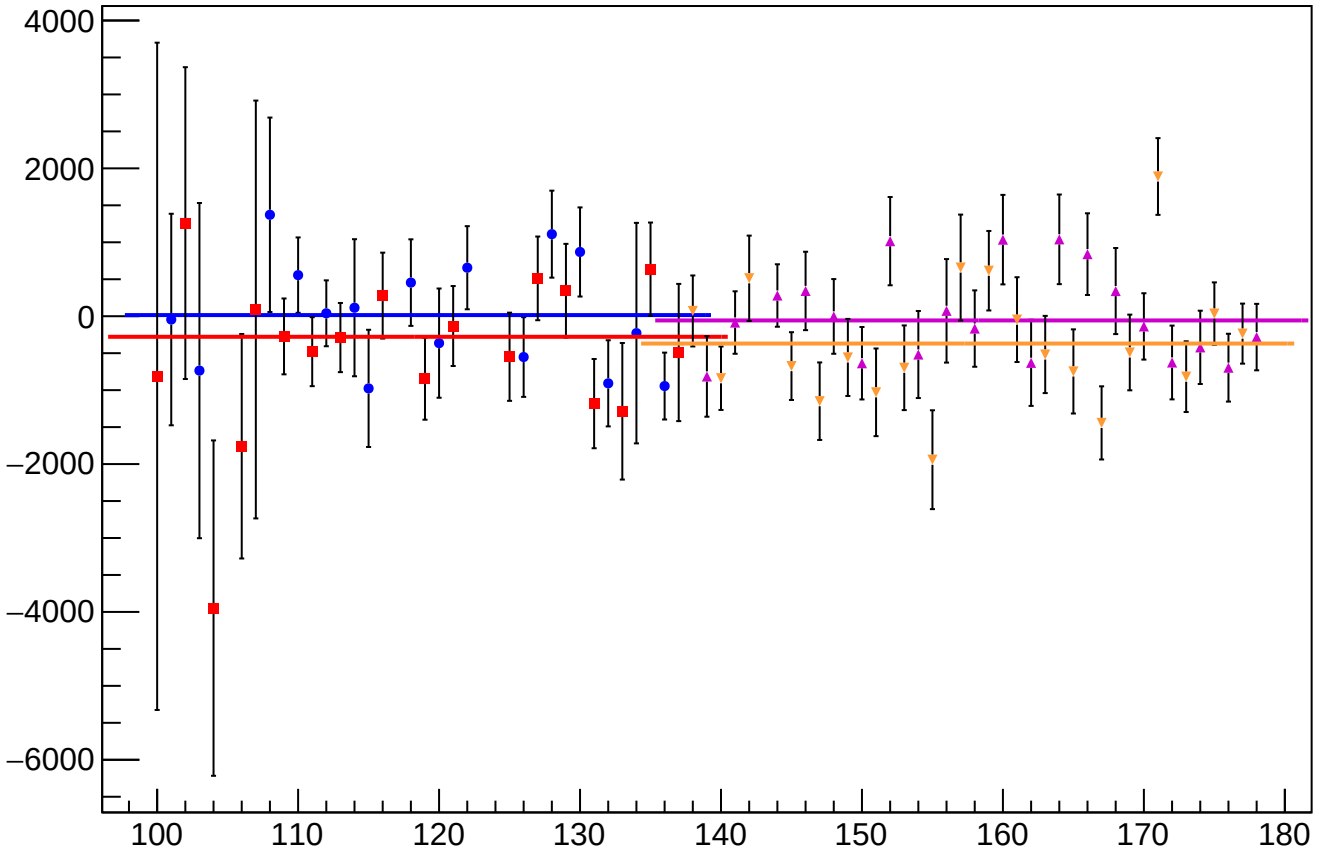
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1102.264+/-0.193 χ^2/NDF:40195.7/19

+ sign 1106.990+/-0.164 χ^2/NDF: 657784.3/35

All: 1109.175+/-0.116 χ^2/NDF: 933502.4/73

- sign 1111.330+/-0.163 χ^2/NDF: 275366.0/37



Right In: 15.288+/-161.844 χ^2/NDF: 19.6/15

Left Out: -369.714+/-114.832 χ^2/NDF:46.1/19

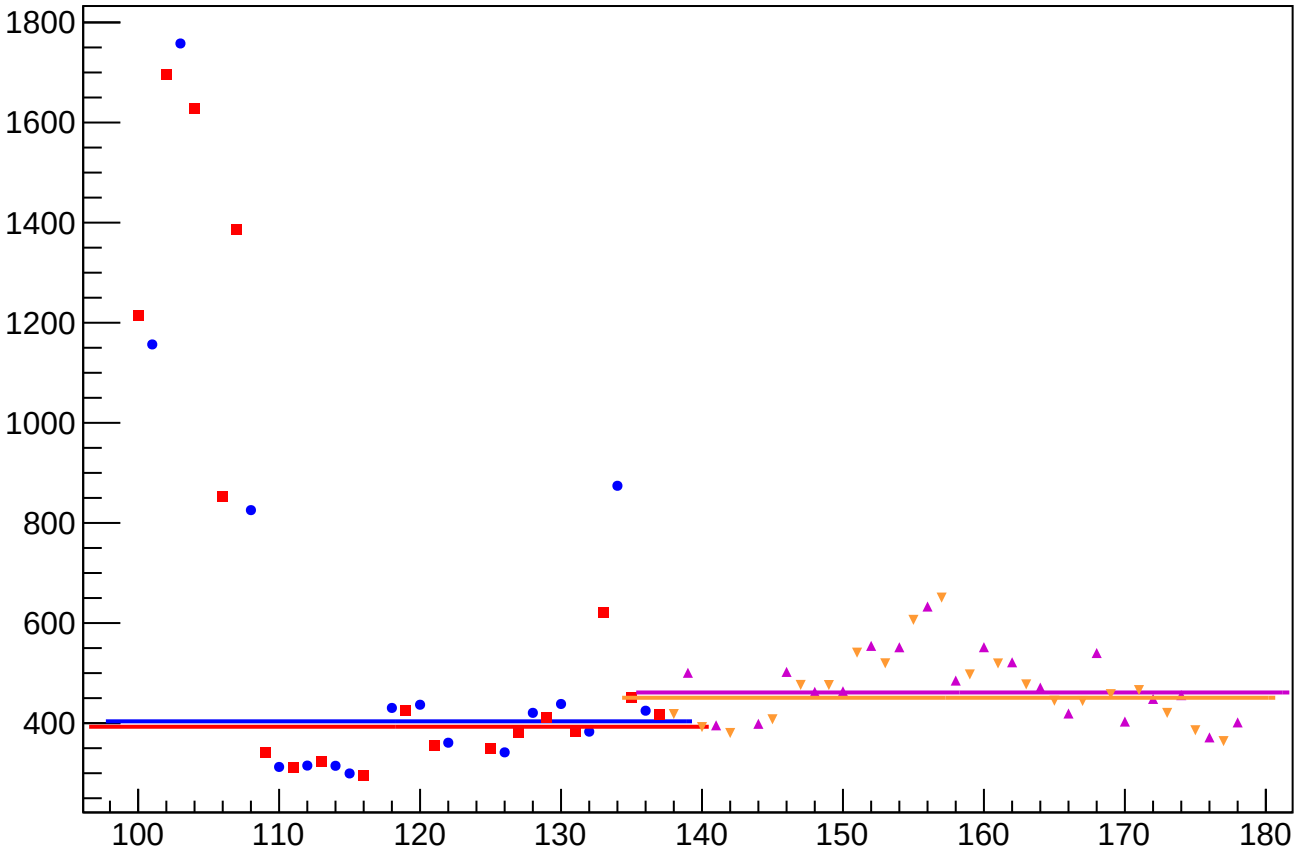
Right Out: -278.249+/-158.826 χ^2/NDF: 15.1/17

Left In: -57.088+/-115.420 χ^2/NDF:23.1/19

+ sign -240.796+/-93.653 χ^2/NDF: 69.5/35

All: -186.995+/-66.122 χ^2/NDF: 109.6/73

- sign -133.520+/-93.369 χ^2/NDF: 39.5/37



Right In: 403.653+/-0.114 χ^2/NDF: 1929594.3/15

Left Out: 450.731+/-0.081 χ^2/NDF:640704.2/19

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

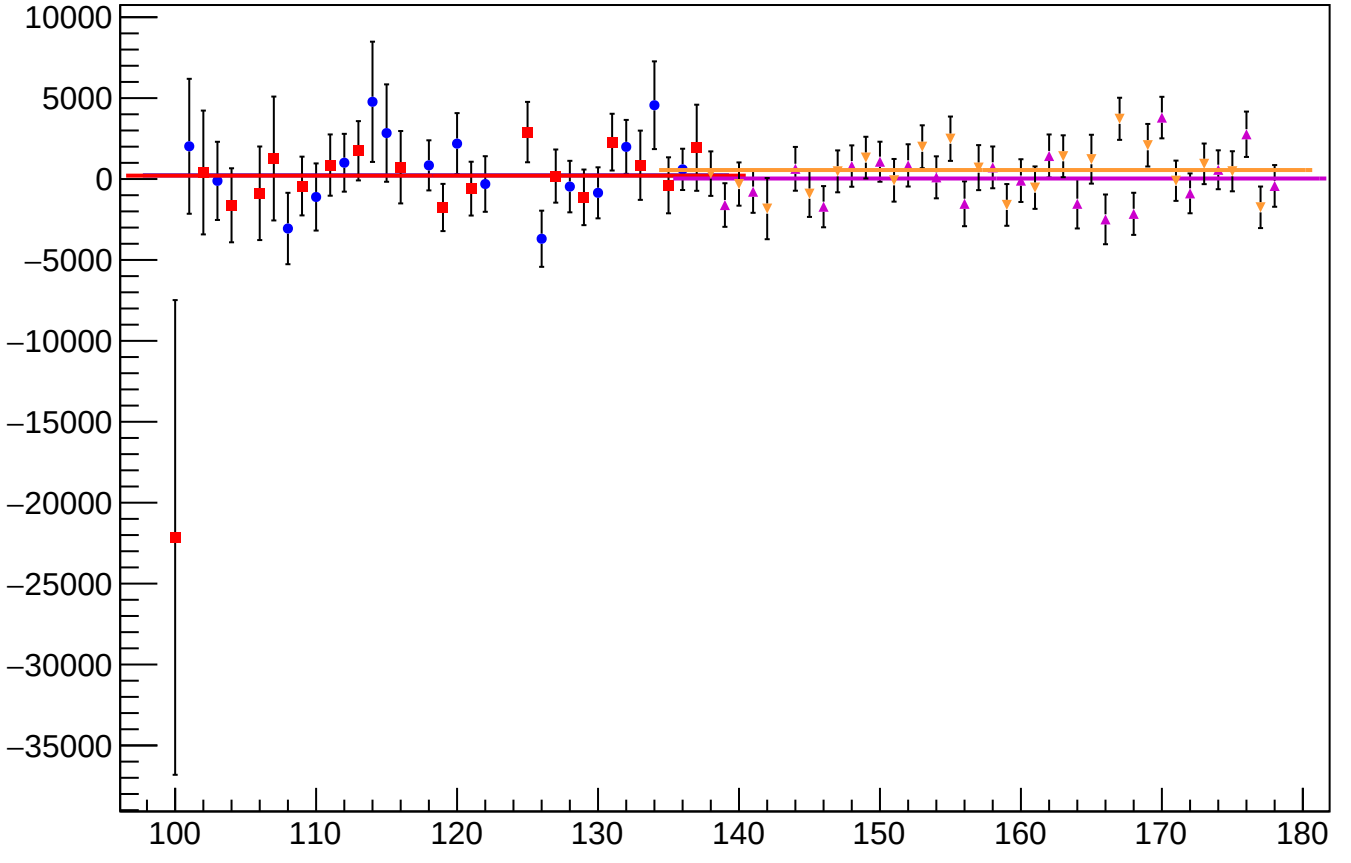
Left In: 461.303+/-0.082 χ^2/NDF:596727.7/19

+ sign 434.967+/-0.066 χ^2/NDF: 2682860.6/35

All: 436.305+/-0.047 χ^2/NDF: 5727213.2/73

- sign 437.635+/-0.066 χ^2/NDF: 3043538.6/37

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: 555.578+/-299.134 χ^2/NDF:21.8/19

Right Out: 209.751+/-477.820 χ^2/NDF: 11.0/17

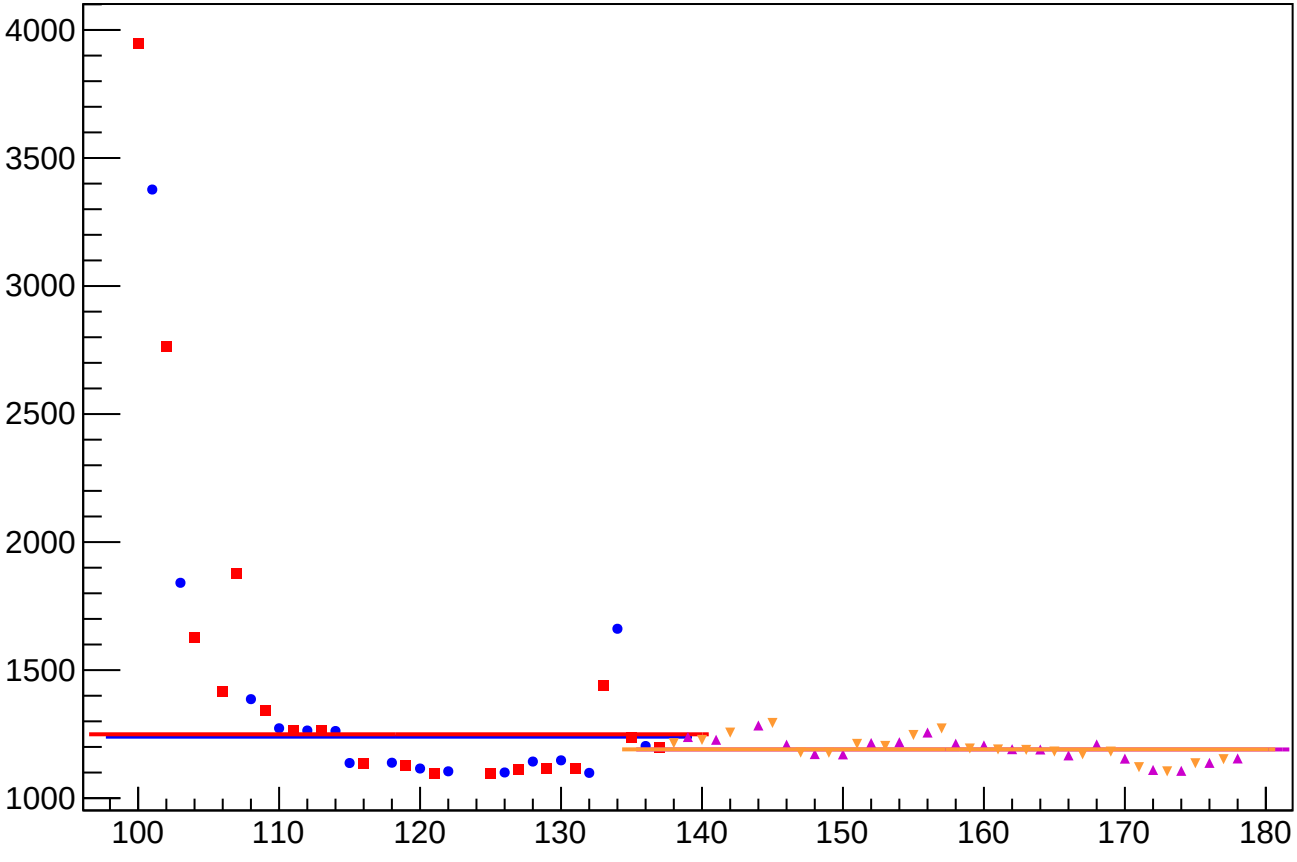
Left In: 31.949+/-294.618 χ^2/NDF:27.9/19

+ sign 461.526+/-253.056 χ^2/NDF: 38.3/35

All: 269.506+/-178.127 χ^2/NDF: 78.4/73

- sign 80.926+/-250.779 χ^2/NDF: 39.0/37

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1190.520+/-0.212 χ^2/NDF:48112.4/19

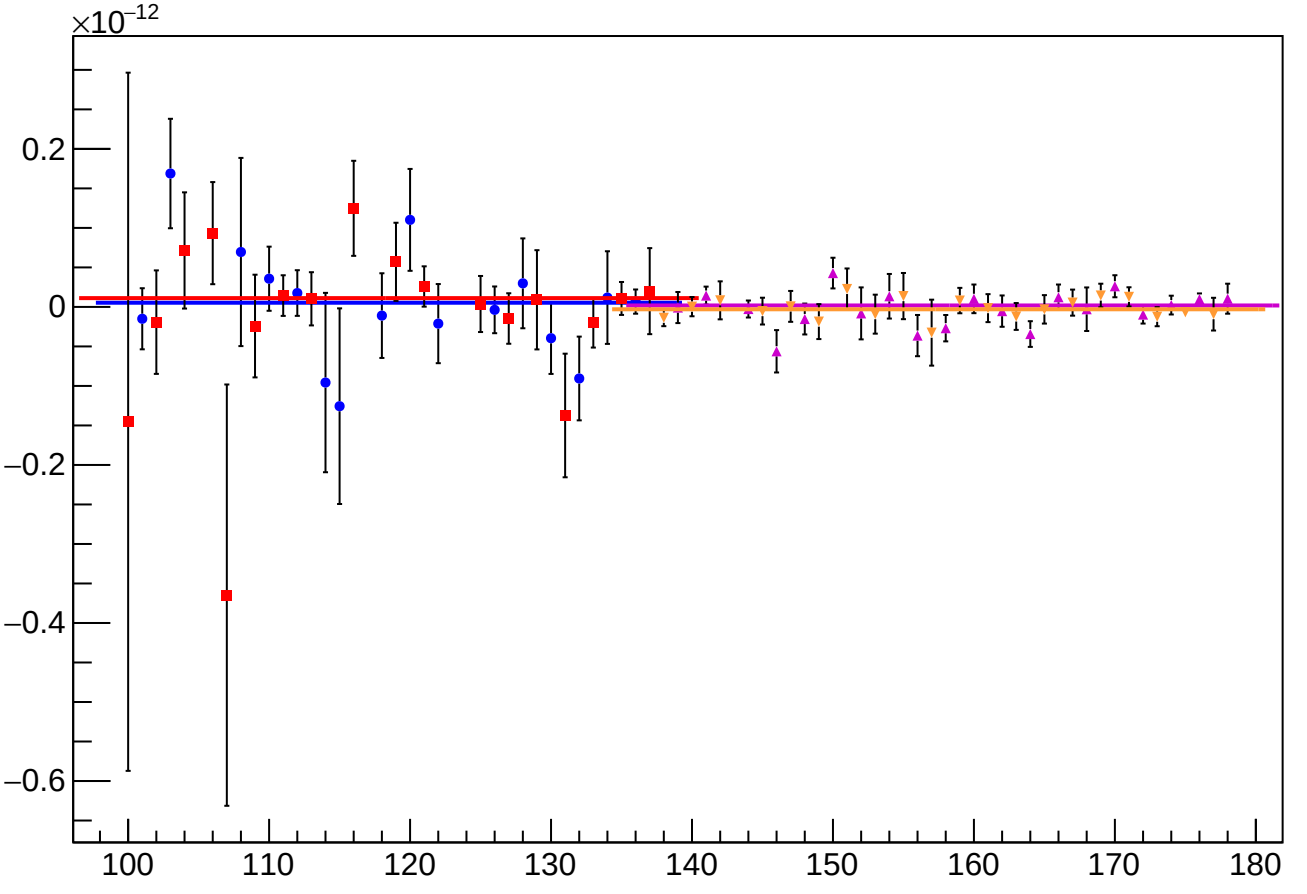
Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1190.169+/-0.208 χ^2/NDF:47125.1/19

+ sign 1204.630+/-0.179 χ^2/NDF: 846439.9/35

All: 1205.567+/-0.126 χ^2/NDF: 1521993.5/73

- sign 1206.488+/-0.177 χ^2/NDF: 675499.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.9/19

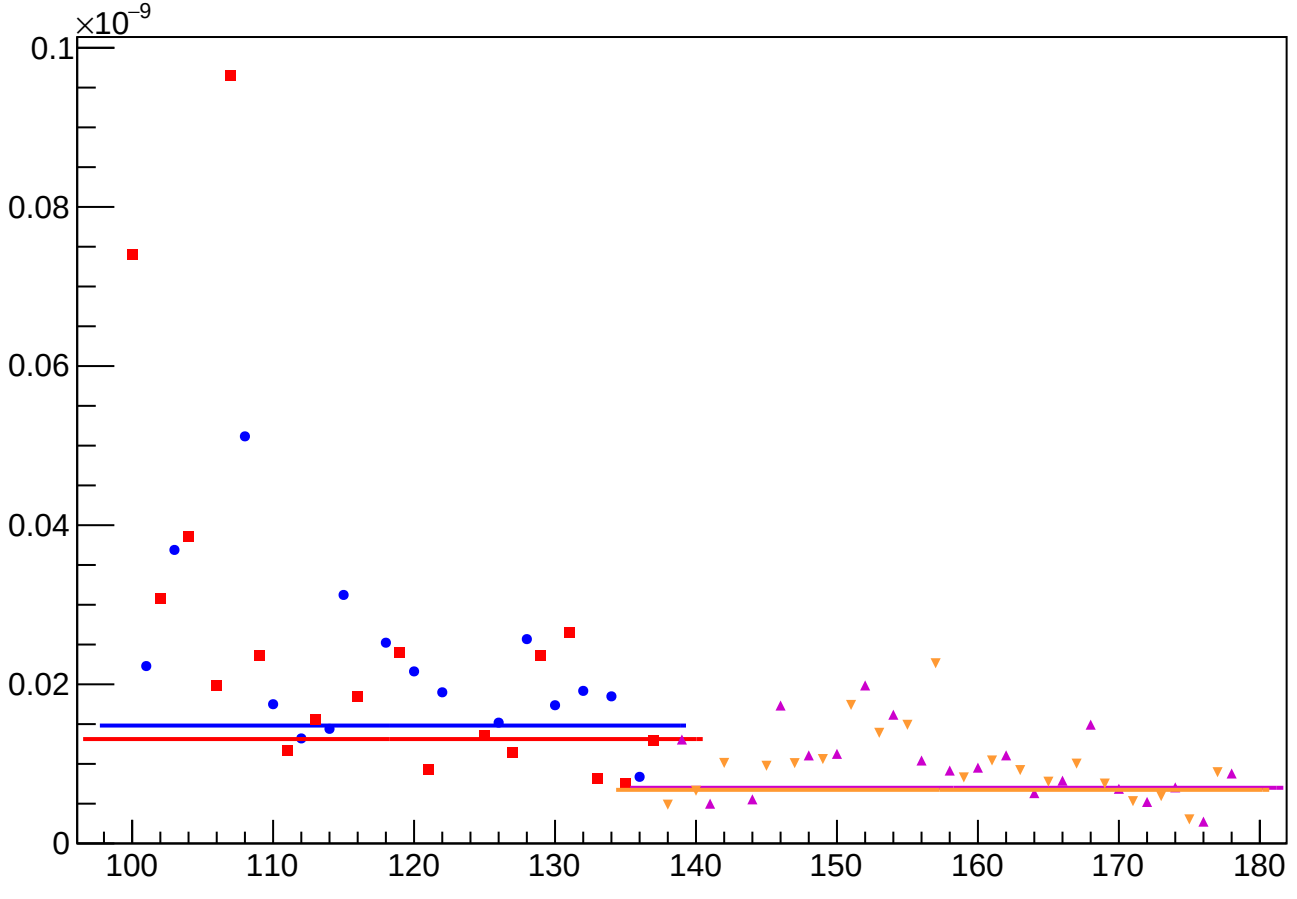
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/17

Left In: 0.000+/-0.000 χ^2/NDF:27.9/19

+ sign -0.000+/-0.000 χ^2/NDF: 25.9/35

All: 0.000+/-0.000 χ^2/NDF: 71.0/73

- sign 0.000+/-0.000 χ^2/NDF: 43.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 1081472.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2259374.4/19

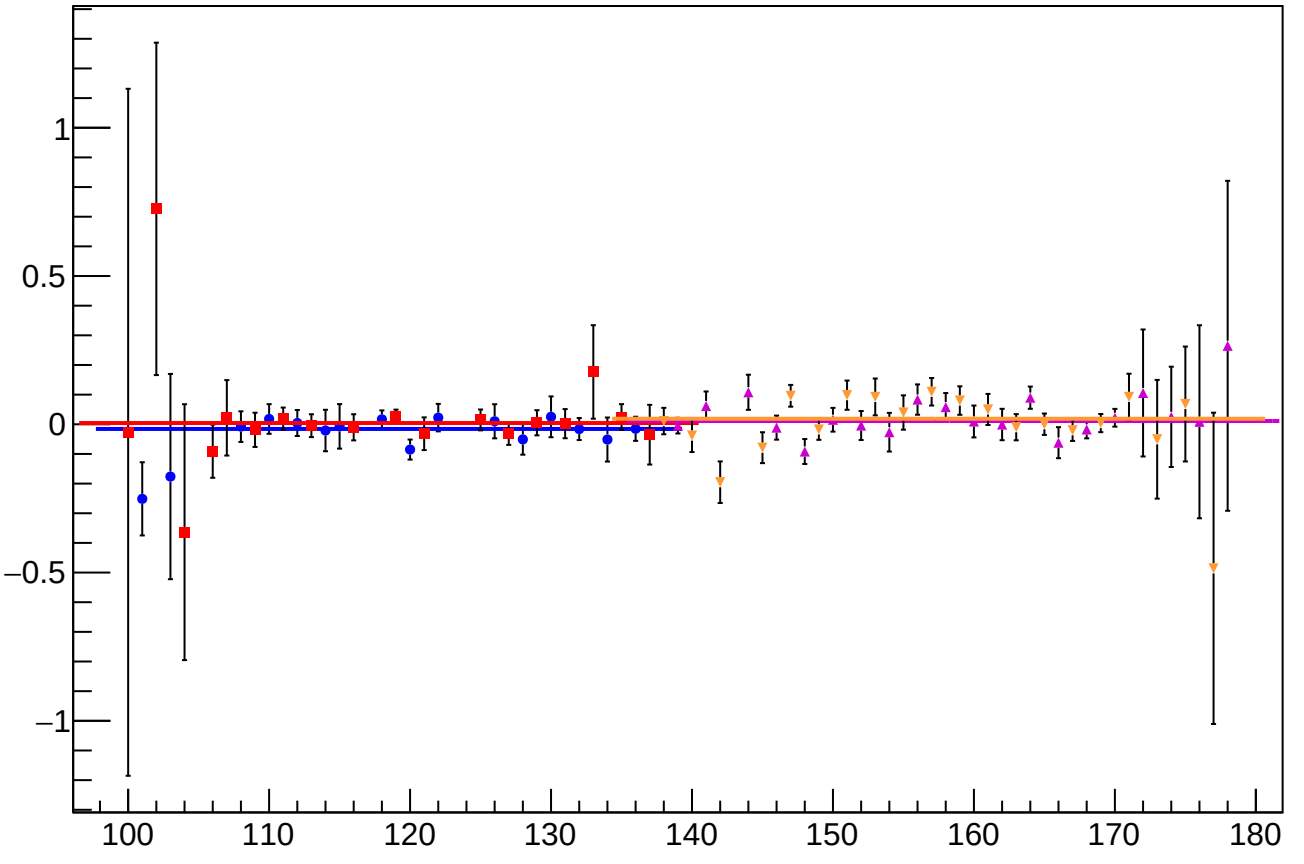
Right Out: 0.000+/-0.000 χ^2/NDF: 1181949.6/17

Left In: 0.000+/-0.000 χ^2/NDF:2407581.1/19

+ sign 0.000+/-0.000 χ^2/NDF: 4598959.0/35

All: 0.000+/-0.000 χ^2/NDF: 8947469.8/73

- sign 0.000+/-0.000 χ^2/NDF: 4346908.3/37



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:33.4/19

Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

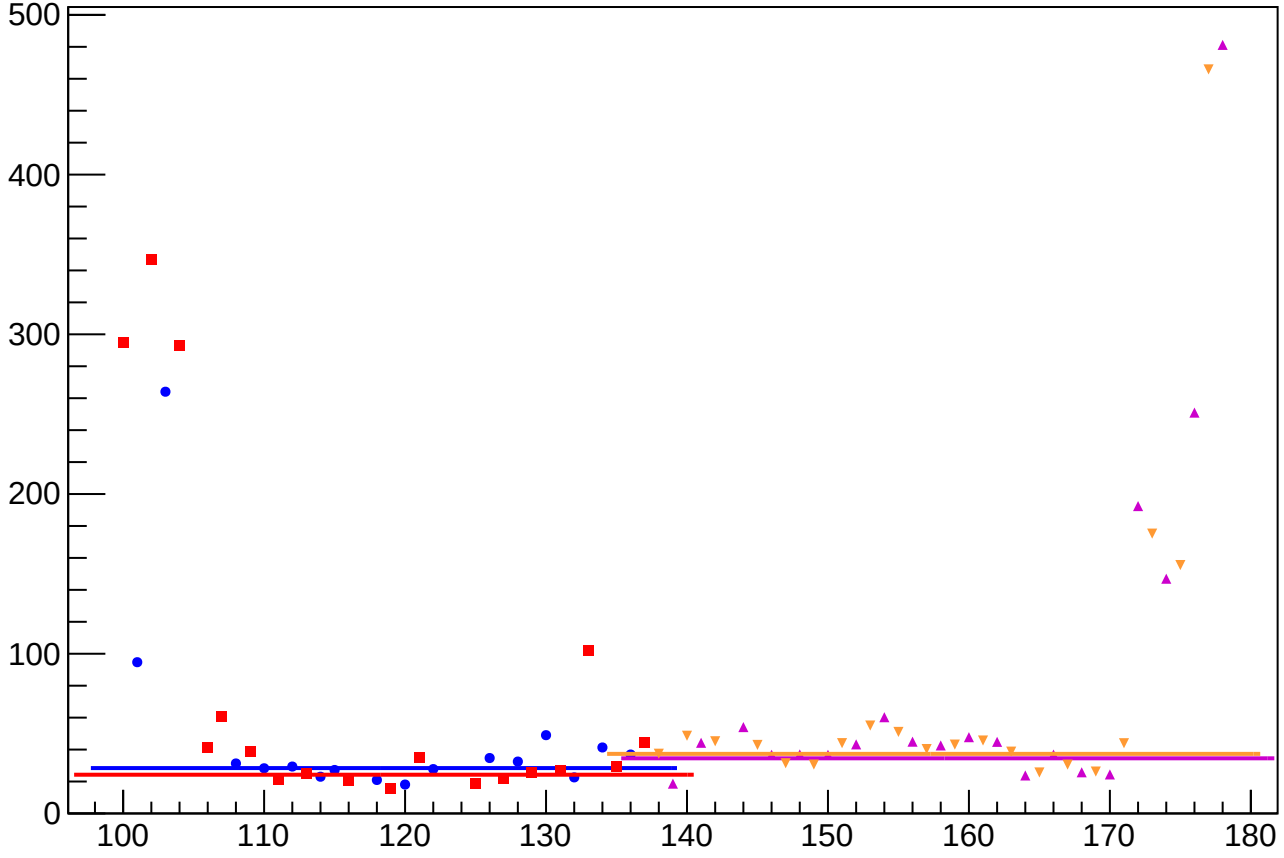
Left In: 0.011+/-0.010 χ^2/NDF:21.6/19

+ sign 0.004+/-0.008 χ^2/NDF: 49.8/35

All: 0.006+/-0.006 χ^2/NDF: 79.6/73

- sign 0.008+/-0.008 χ^2/NDF: 29.7/37

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: 37.310+/-0.008 χ^2/NDF:4241595.0/19

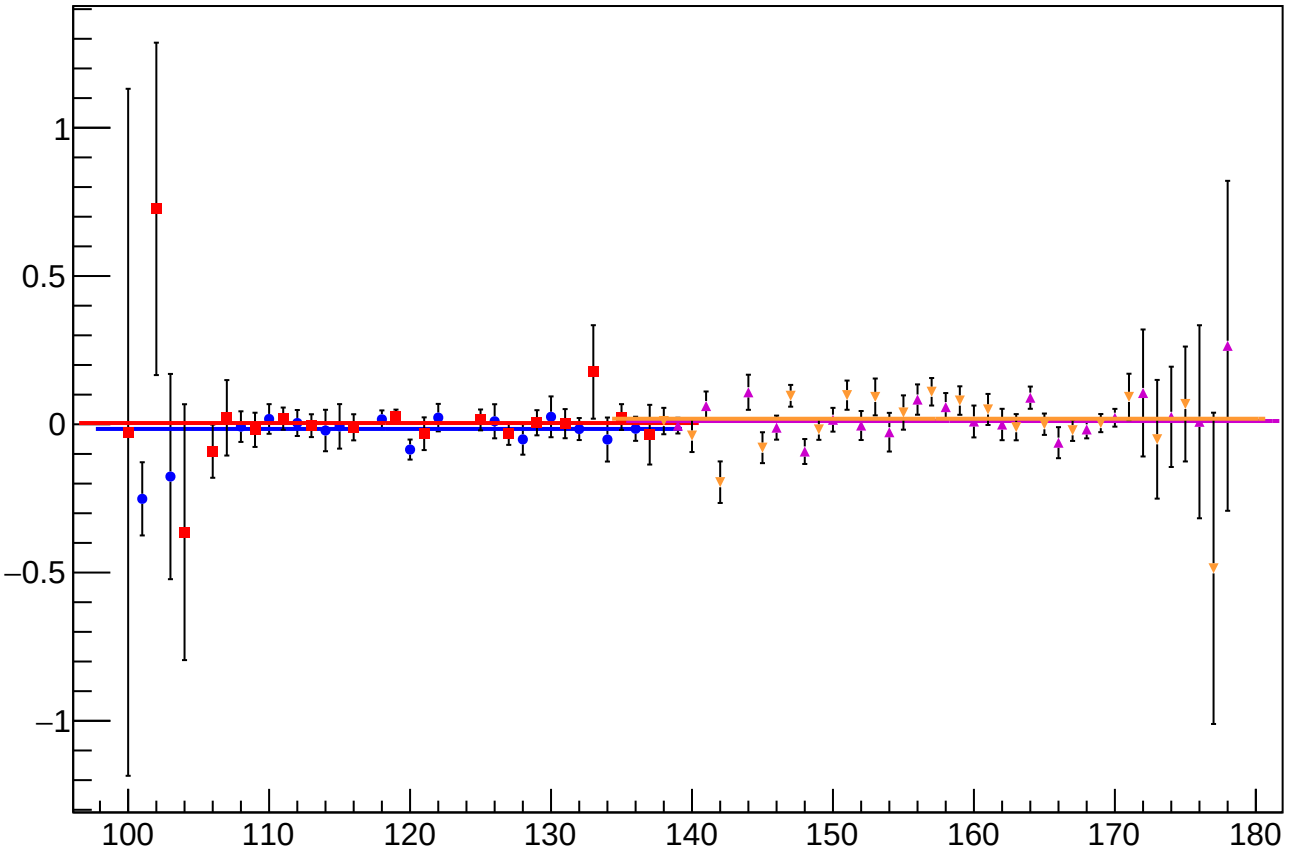
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 34.521+/-0.007 χ^2/NDF:6454900.1/19

+ sign 33.427+/-0.006 χ^2/NDF: 7076687.7/35

All: 31.574+/-0.004 χ^2/NDF: 17532228.5/73

- sign 29.935+/-0.005 χ^2/NDF: 10259654.0/37



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:33.4/19

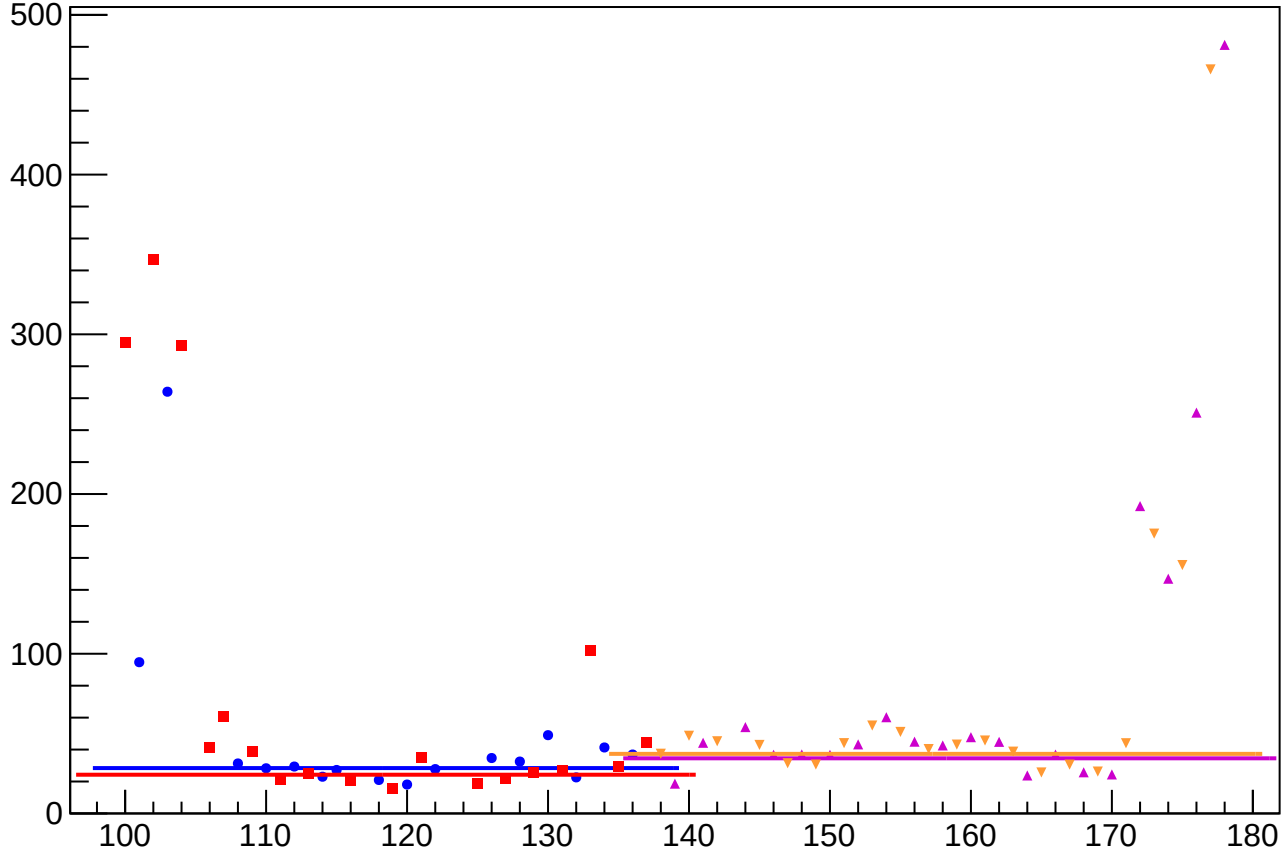
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.011+/-0.010 χ^2/NDF:21.6/19

+ sign 0.004+/-0.008 χ^2/NDF: 49.8/35

All: 0.006+/-0.006 χ^2/NDF: 79.6/73

- sign 0.008+/-0.008 χ^2/NDF: 29.7/37



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 37.310+/-0.008 χ^2/NDF:4241595.0/19

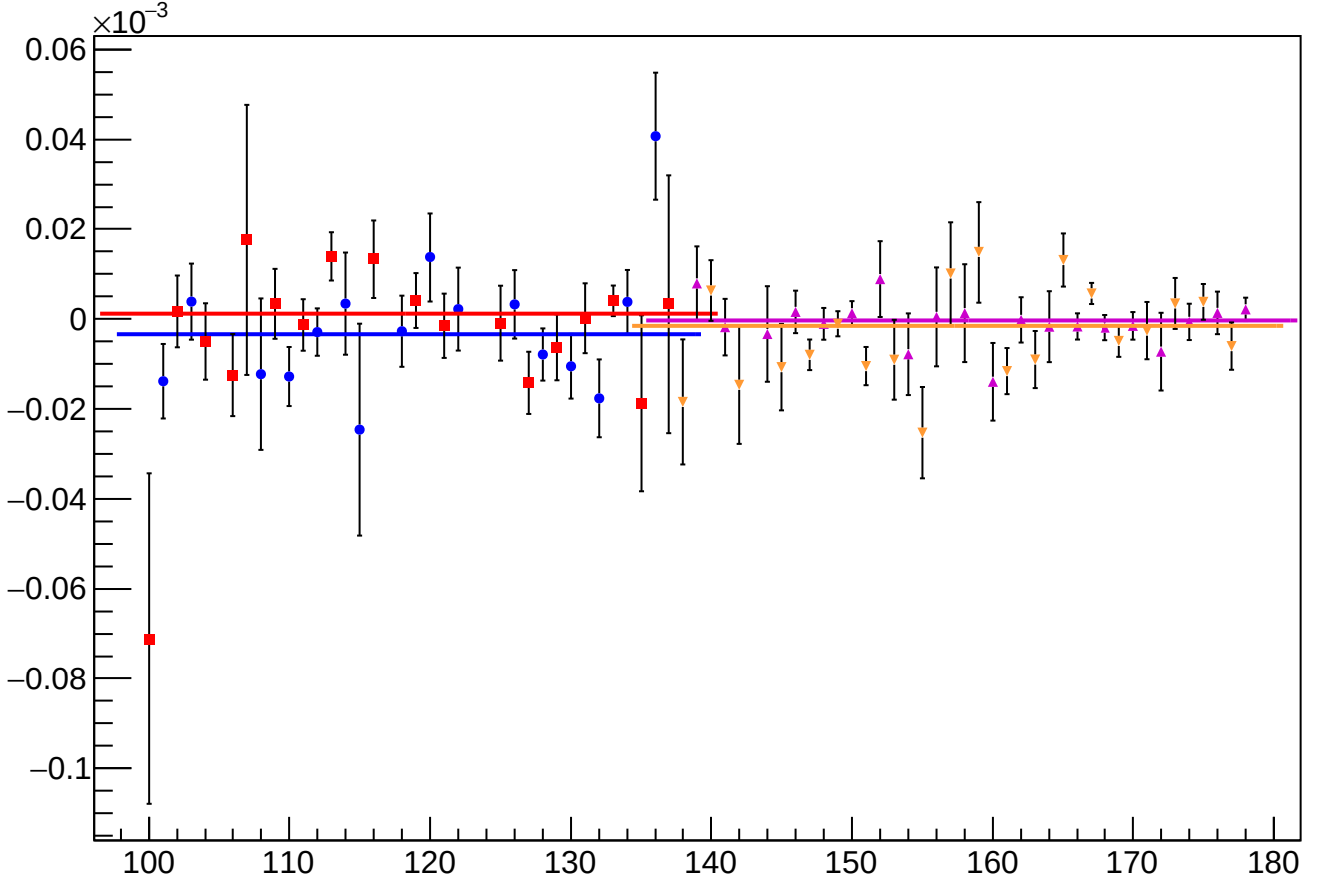
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 34.521+/-0.007 χ^2/NDF:6454900.1/19

+ sign 33.427+/-0.006 χ^2/NDF: 7076687.7/35

All: 31.574+/-0.004 χ^2/NDF: 17532228.5/73

- sign 29.935+/-0.005 χ^2/NDF: 10259654.0/37



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:47.1/19

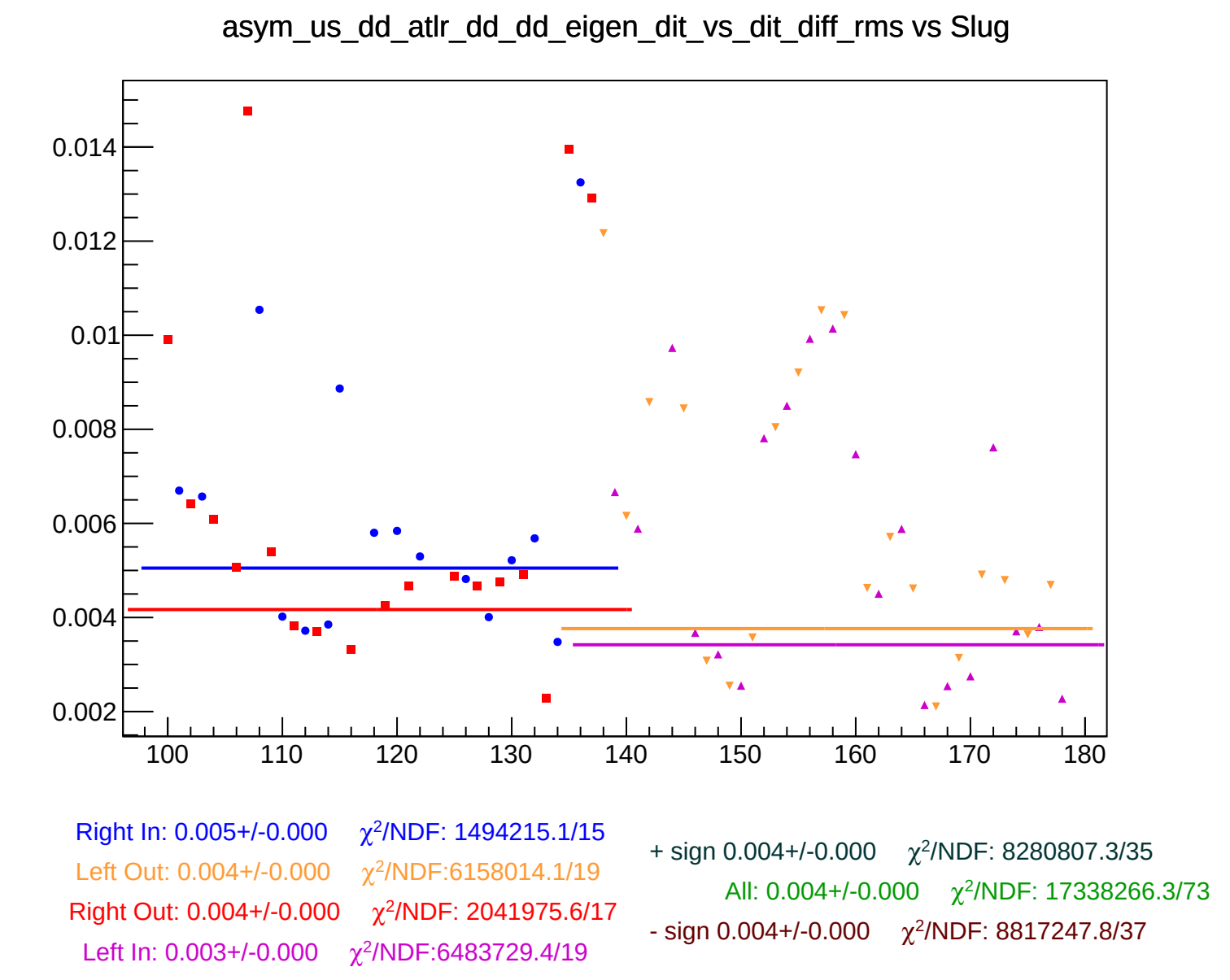
Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/17

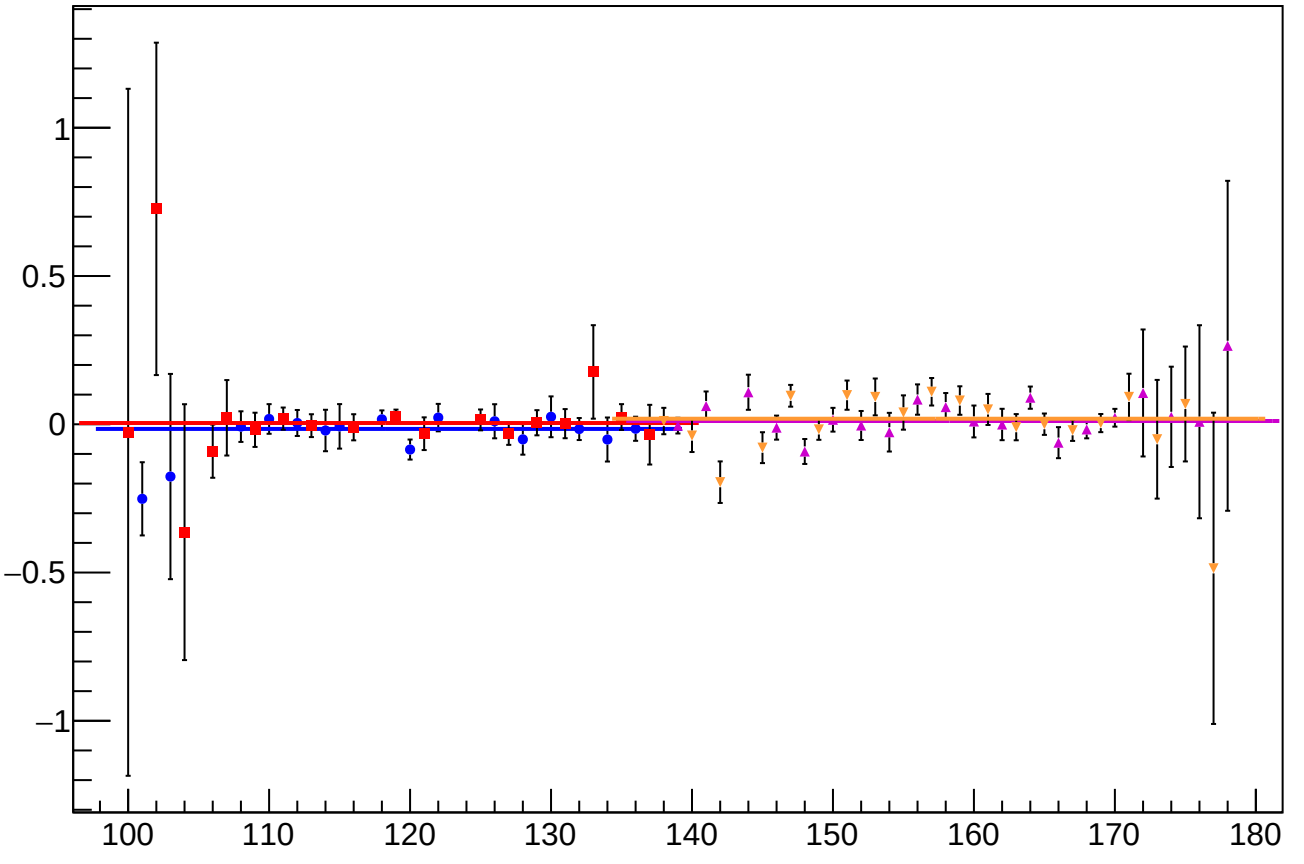
Left In: -0.000+/-0.000 χ^2/NDF:8.5/19

+ sign -0.000+/-0.000 χ^2/NDF: 72.9/35

All: -0.000+/-0.000 χ^2/NDF: 107.4/73

- sign 0.000+/-0.000 χ^2/NDF: 32.1/37


asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
Right In: 0.005+/-0.000 χ²/NDF: 1494215.1/15
Left Out: 0.004+/-0.000 χ²/NDF:6158014.1/19
Right Out: 0.004+/-0.000 χ²/NDF: 2041975.6/17
Left In: 0.003+/-0.000 χ²/NDF:6483729.4/19
+ sign 0.004+/-0.000 χ²/NDF: 8280807.3/35
All: 0.004+/-0.000 χ²/NDF: 17338266.3/73
- sign 0.004+/-0.000 χ²/NDF: 8817247.8/37



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:33.4/19

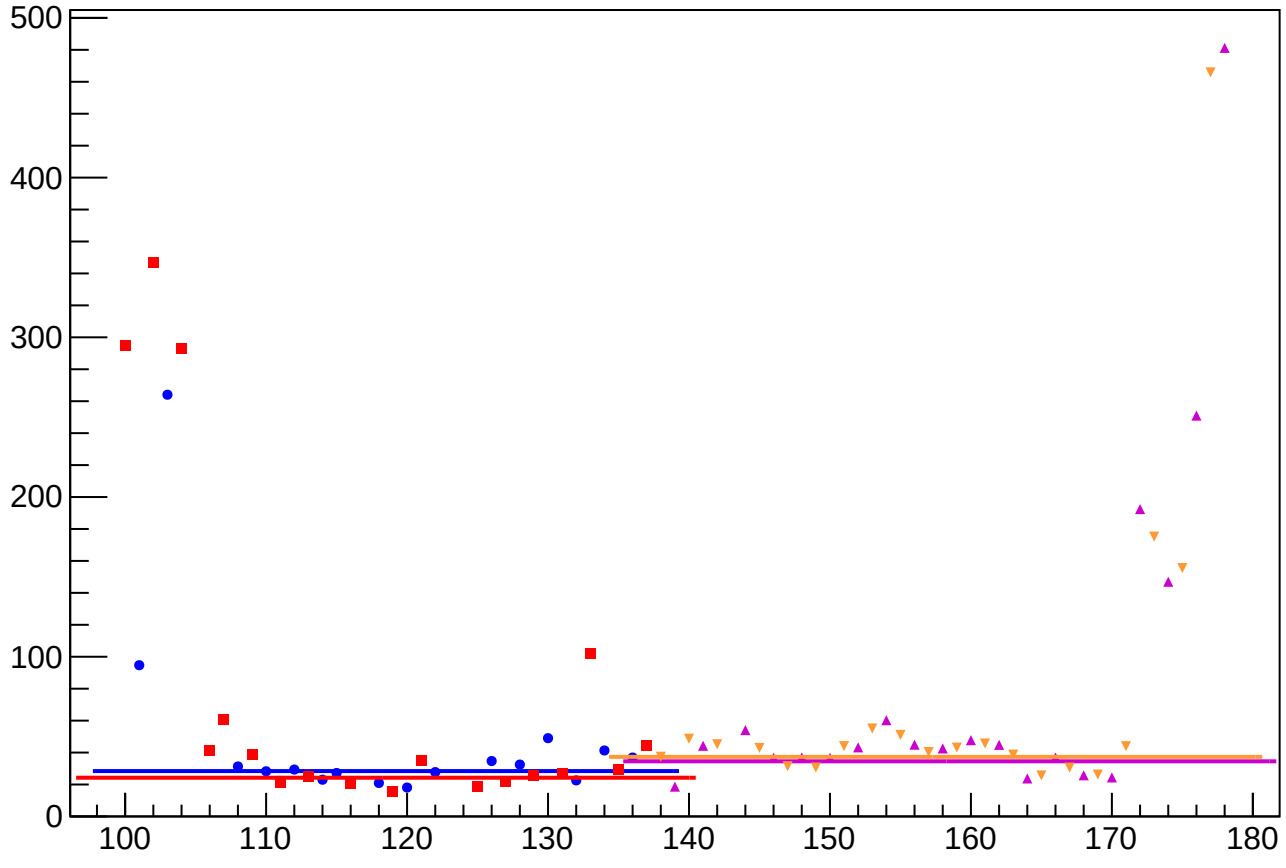
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.011+/-0.010 χ^2/NDF:21.6/19

+ sign 0.004+/-0.008 χ^2/NDF: 49.7/35

All: 0.006+/-0.006 χ^2/NDF: 79.6/73

- sign 0.008+/-0.008 χ^2/NDF: 29.7/37



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 37.310+/-0.008 χ^2/NDF:4241752.5/19

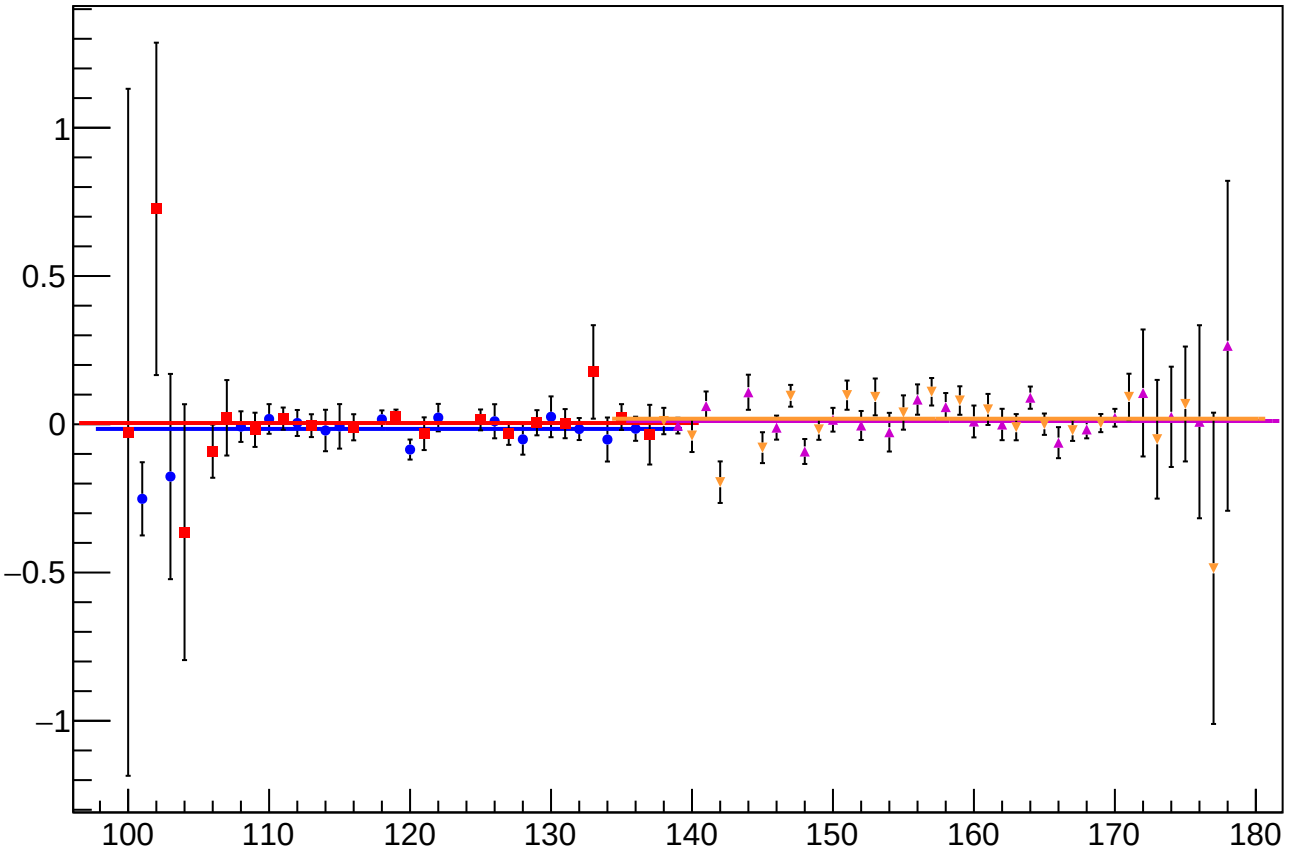
Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 34.521+/-0.007 χ^2/NDF:6455321.3/19

+ sign 33.427+/-0.006 χ^2/NDF: 7076826.5/35

All: 31.573+/-0.004 χ^2/NDF: 17533396.6/73

- sign 29.934+/-0.005 χ^2/NDF: 10260579.2/37



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:33.4/19

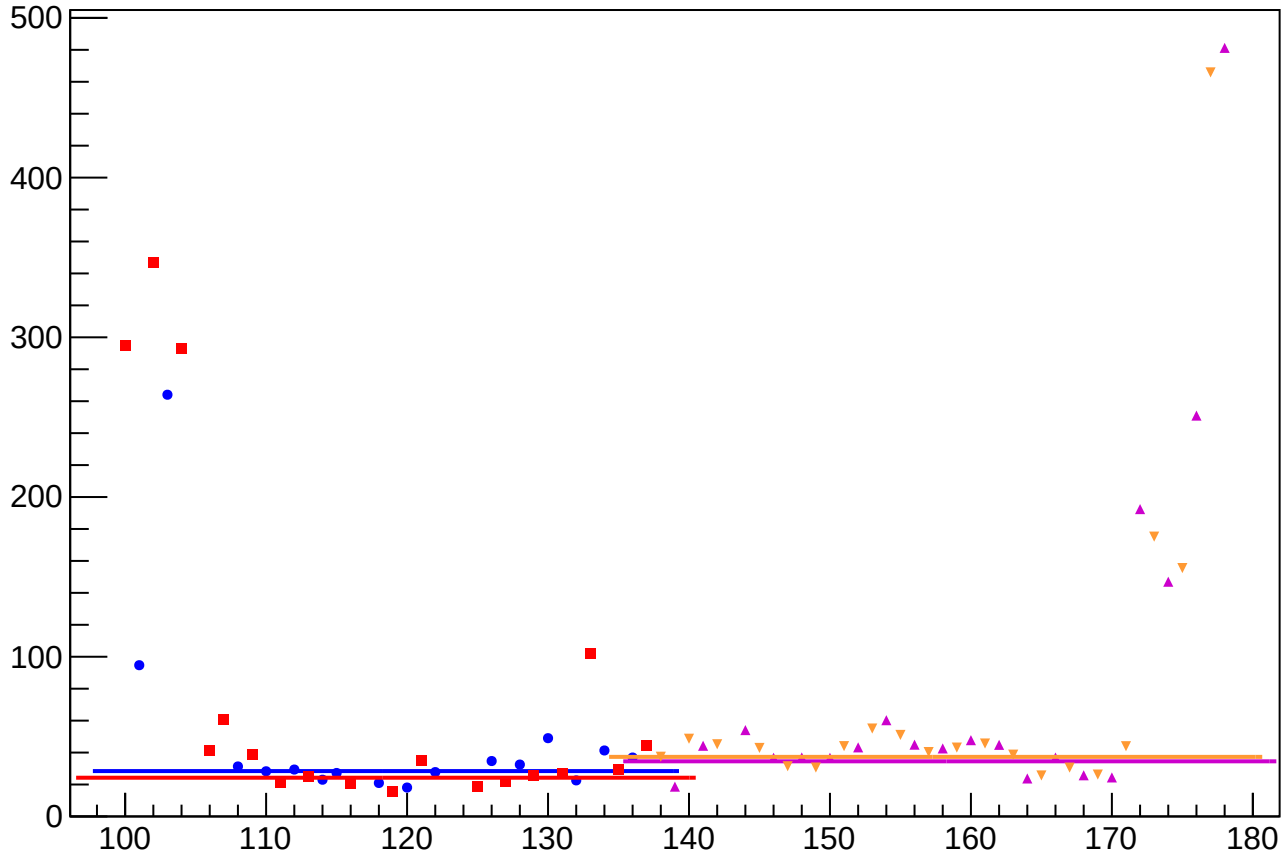
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.011+/-0.010 χ^2/NDF:21.6/19

+ sign 0.004+/-0.008 χ^2/NDF: 49.7/35

All: 0.006+/-0.006 χ^2/NDF: 79.6/73

- sign 0.008+/-0.008 χ^2/NDF: 29.7/37



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 37.310+/-0.008 χ^2/NDF:4241752.5/19

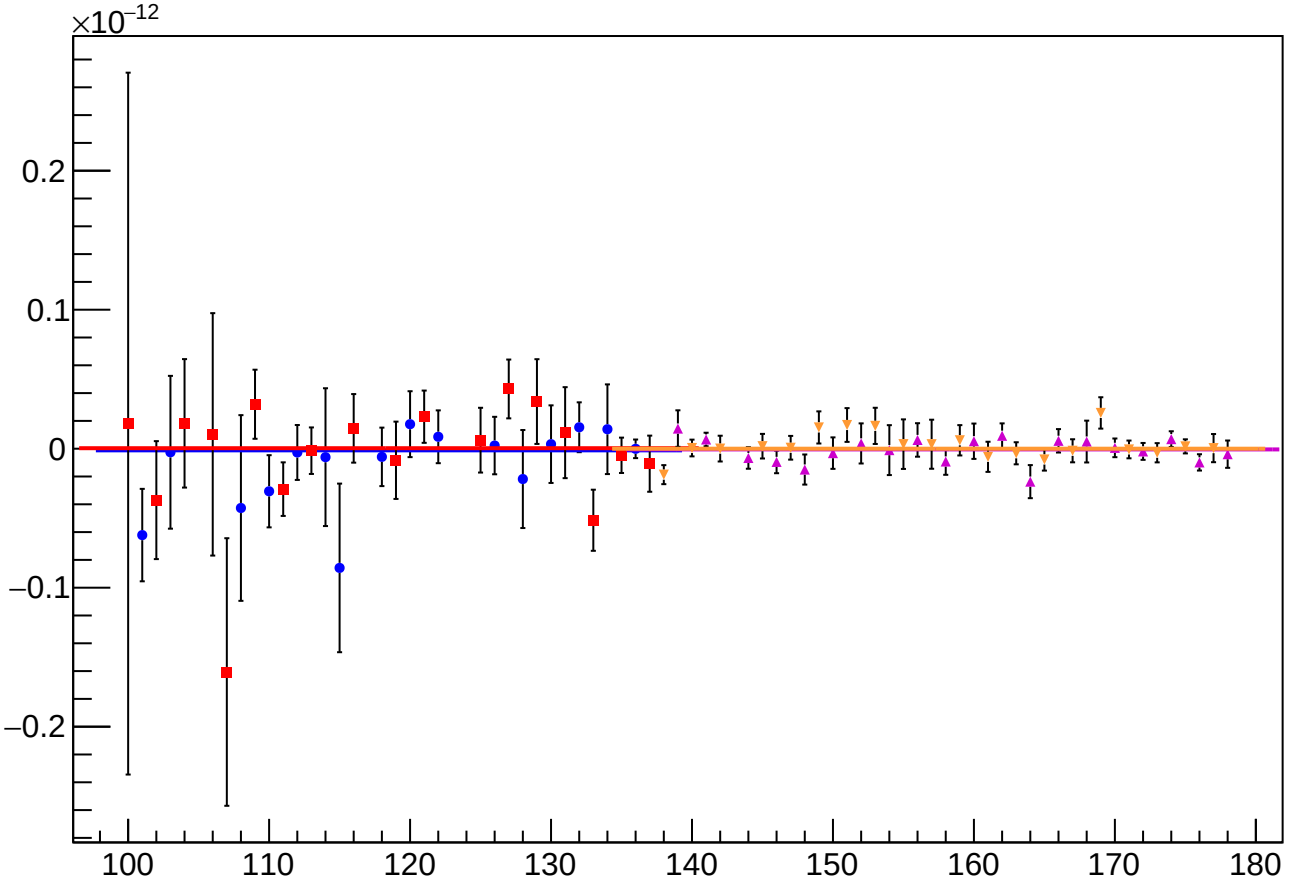
Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 34.521+/-0.007 χ^2/NDF:6455321.3/19

+ sign 33.427+/-0.006 χ^2/NDF: 7076826.5/35

All: 31.573+/-0.004 χ^2/NDF: 17533396.6/73

- sign 29.934+/-0.005 χ^2/NDF: 10260579.2/37



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.1/19

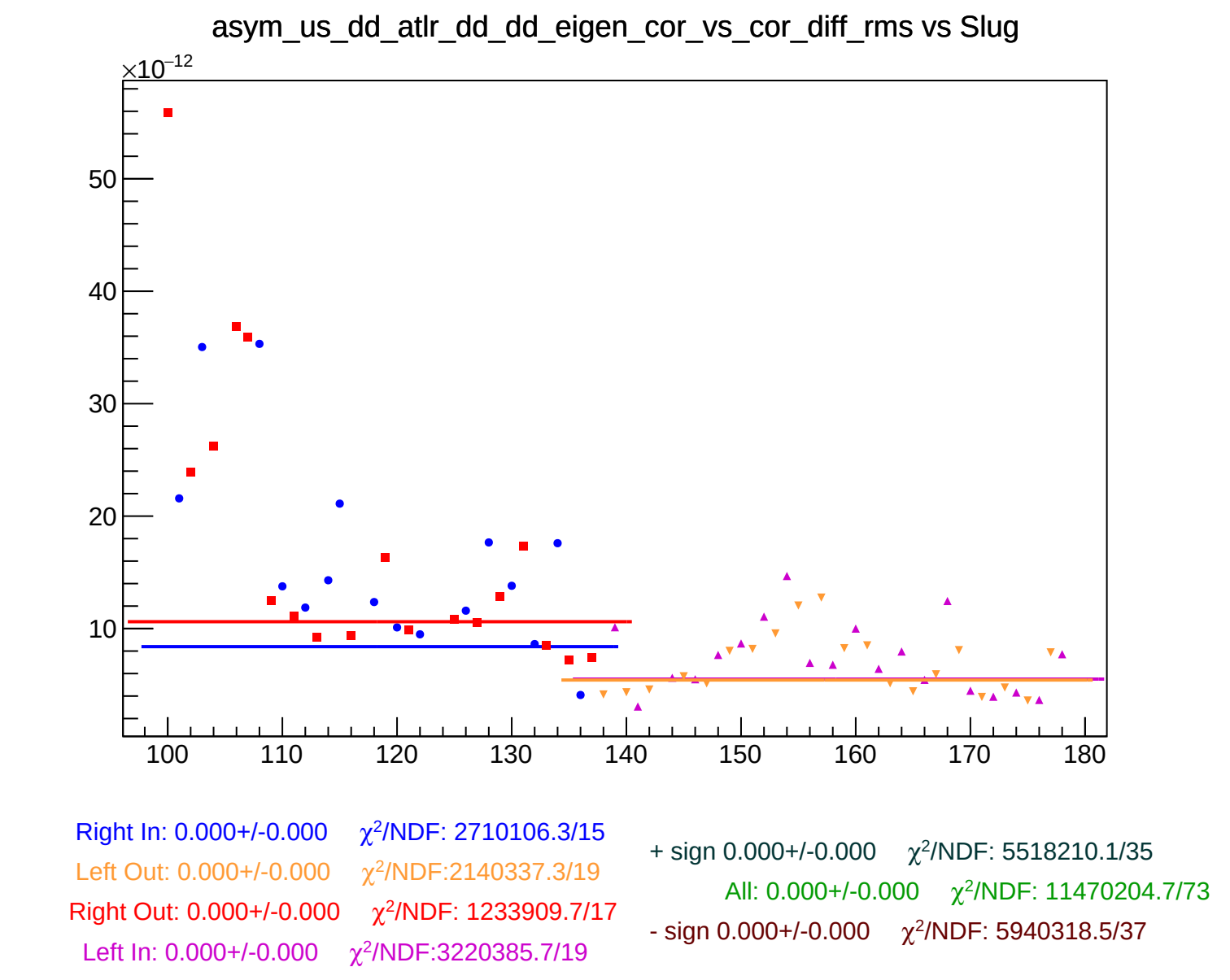
Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: -0.000+/-0.000 χ^2/NDF:18.7/19

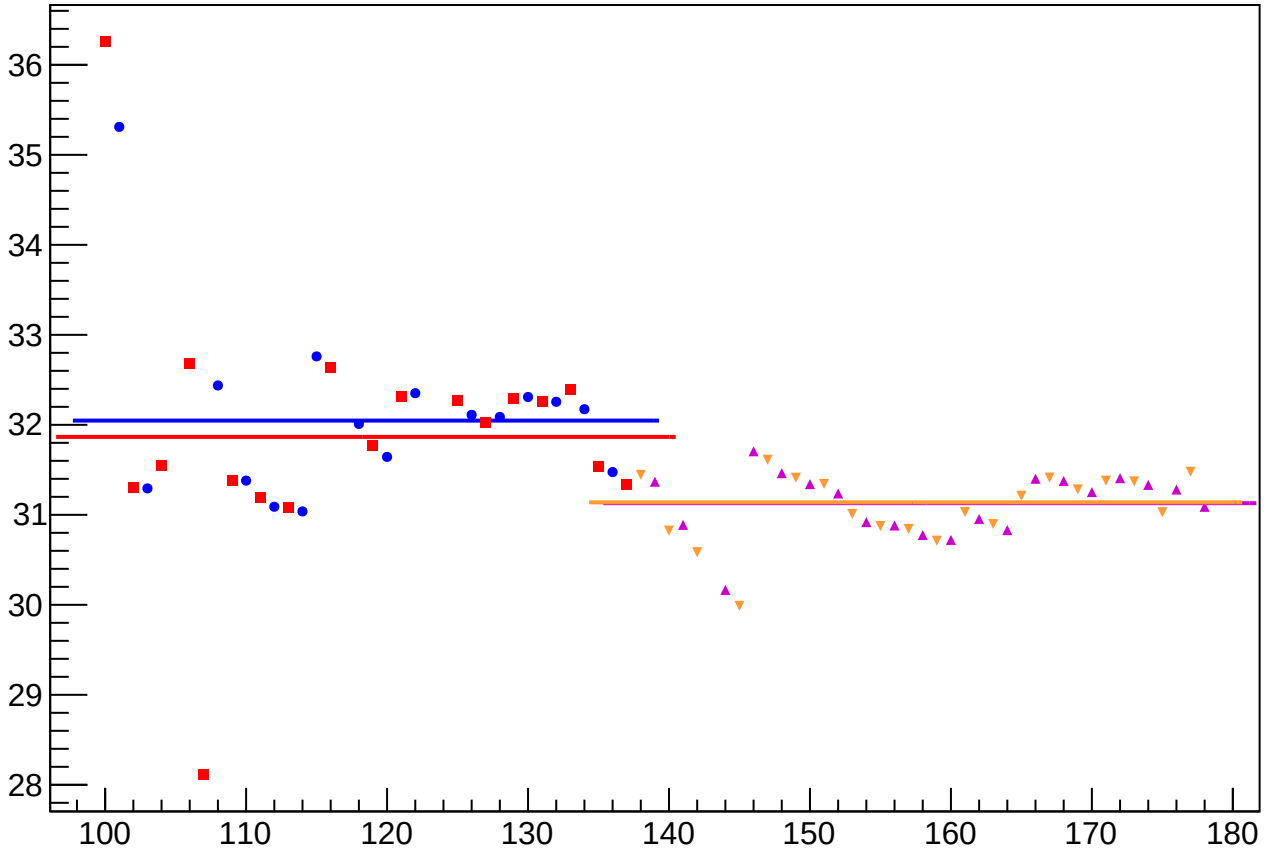
+ sign -0.000+/-0.000 χ^2/NDF: 29.6/35

All: -0.000+/-0.000 χ^2/NDF: 69.4/73

- sign -0.000+/-0.000 χ^2/NDF: 39.8/37


asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2710106.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2140337.3/19
Right Out: 0.000+/-0.000 χ²/NDF: 1233909.7/17
Left In: 0.000+/-0.000 χ²/NDF:3220385.7/19
+ sign 0.000+/-0.000 χ²/NDF: 5518210.1/35
All: 0.000+/-0.000 χ²/NDF: 11470204.7/73
- sign 0.000+/-0.000 χ²/NDF: 5940318.5/37

yield_usl_mean vs Slug



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 31.139+/-0.000 χ^2/NDF:284409163.3/19

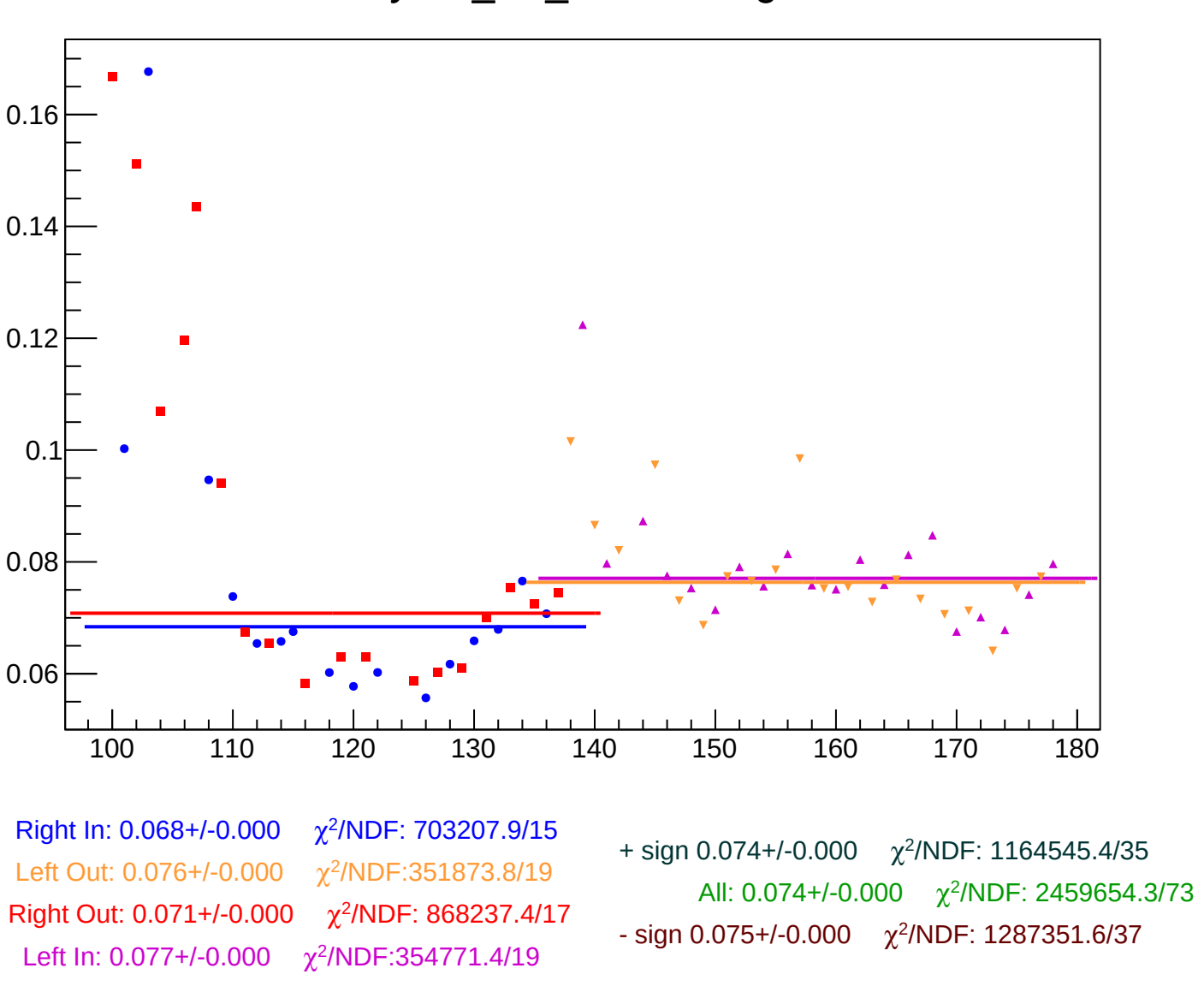
Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

Left In: 31.129+/-0.000 χ^2/NDF:276695731.6/19

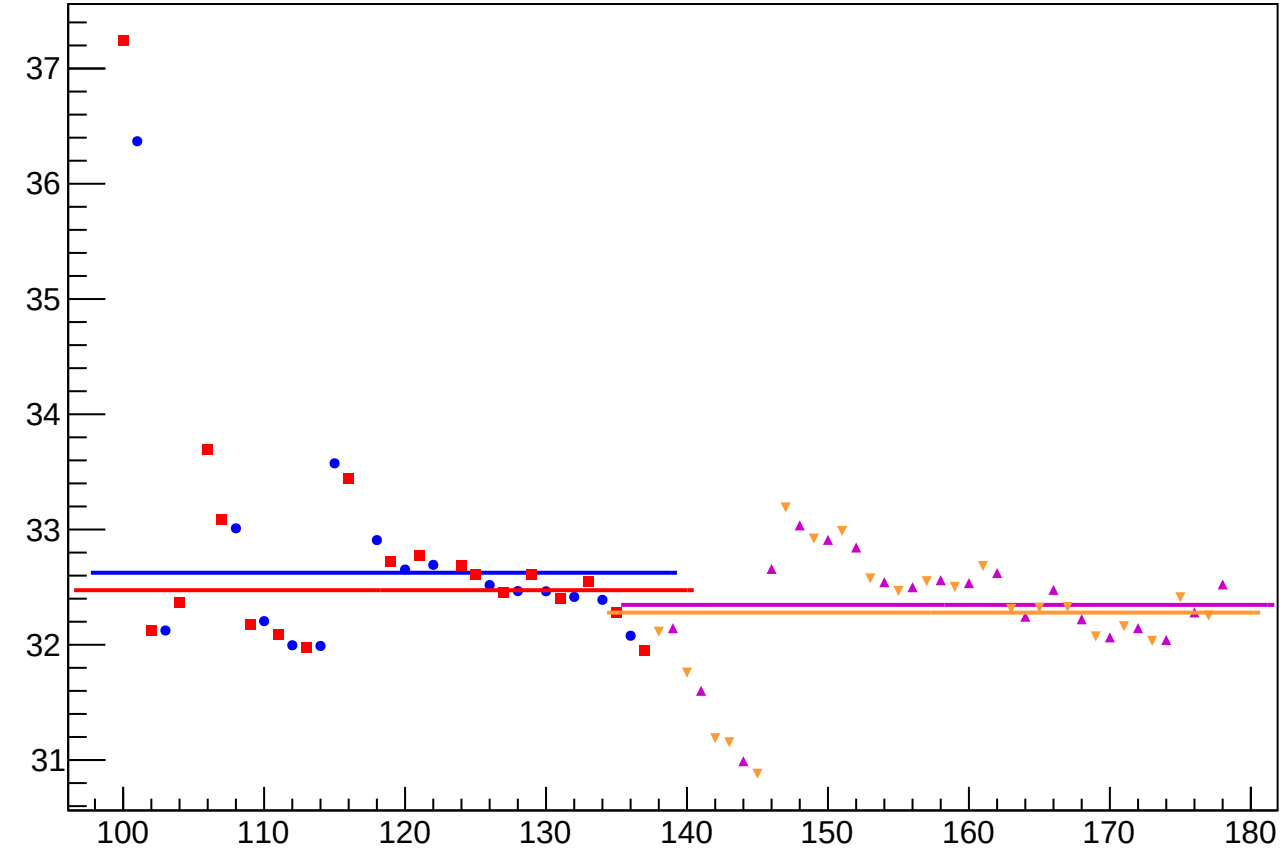
+ sign 31.460+/-0.000 χ^2/NDF: 1895772117.7/35

All: 31.418+/-0.000 χ^2/NDF: 3120358257.6/7

- sign 31.375+/-0.000 χ^2/NDF: 1211106012.5/37


yield_usl_rms vs Slug
0.16
0.14
0.12
0.1
0.08
0.06
100
110
120
130
140
150
160
170
180
Right In: 0.068+/-0.000 χ²/NDF: 703207.9/15
Left Out: 0.076+/-0.000 χ²/NDF:351873.8/19
Right Out: 0.071+/-0.000 χ²/NDF: 868237.4/17
Left In: 0.077+/-0.000 χ²/NDF:354771.4/19
+ sign 0.074+/-0.000 χ²/NDF: 1164545.4/35
All: 0.074+/-0.000 χ²/NDF: 2459654.3/73
- sign 0.075+/-0.000 χ²/NDF: 1287351.6/37

yield_usr_mean vs Slug



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 32.279+/-0.000 χ^2/NDF:794948323.6/20

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

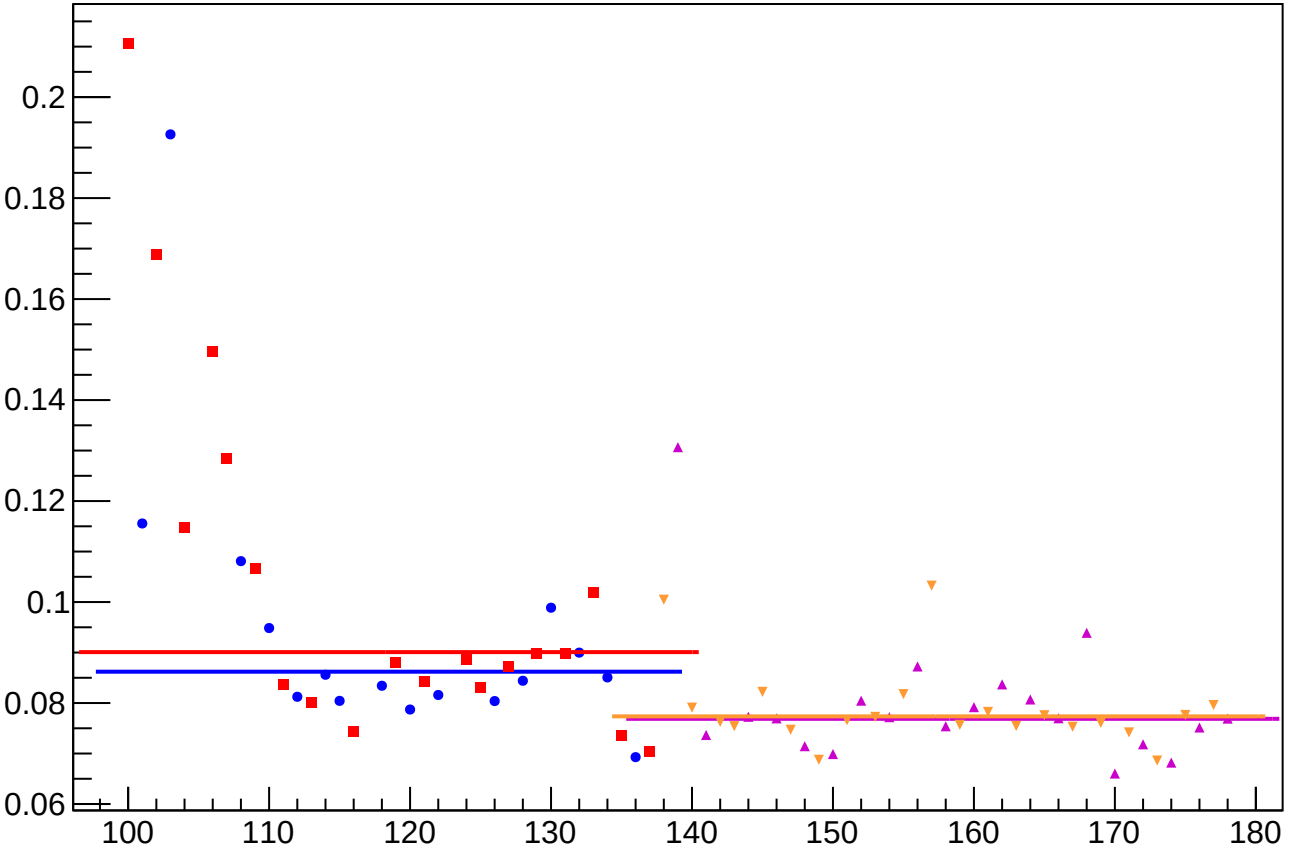
Left In: 32.346+/-0.000 χ^2/NDF:579563832.6/19

+ sign 32.366+/-0.000 χ^2/NDF: 1609863157.0/36

All: 32.371+/-0.000 χ^2/NDF: 2356236387.9/7

- sign 32.377+/-0.000 χ^2/NDF: 746174010.8/38

yield_usr_rms vs Slug



Right In: 0.086+/-0.000 χ^2/NDF: 598718.4/15

Left Out: 0.077+/-0.000 χ^2/NDF:231158.5/20

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

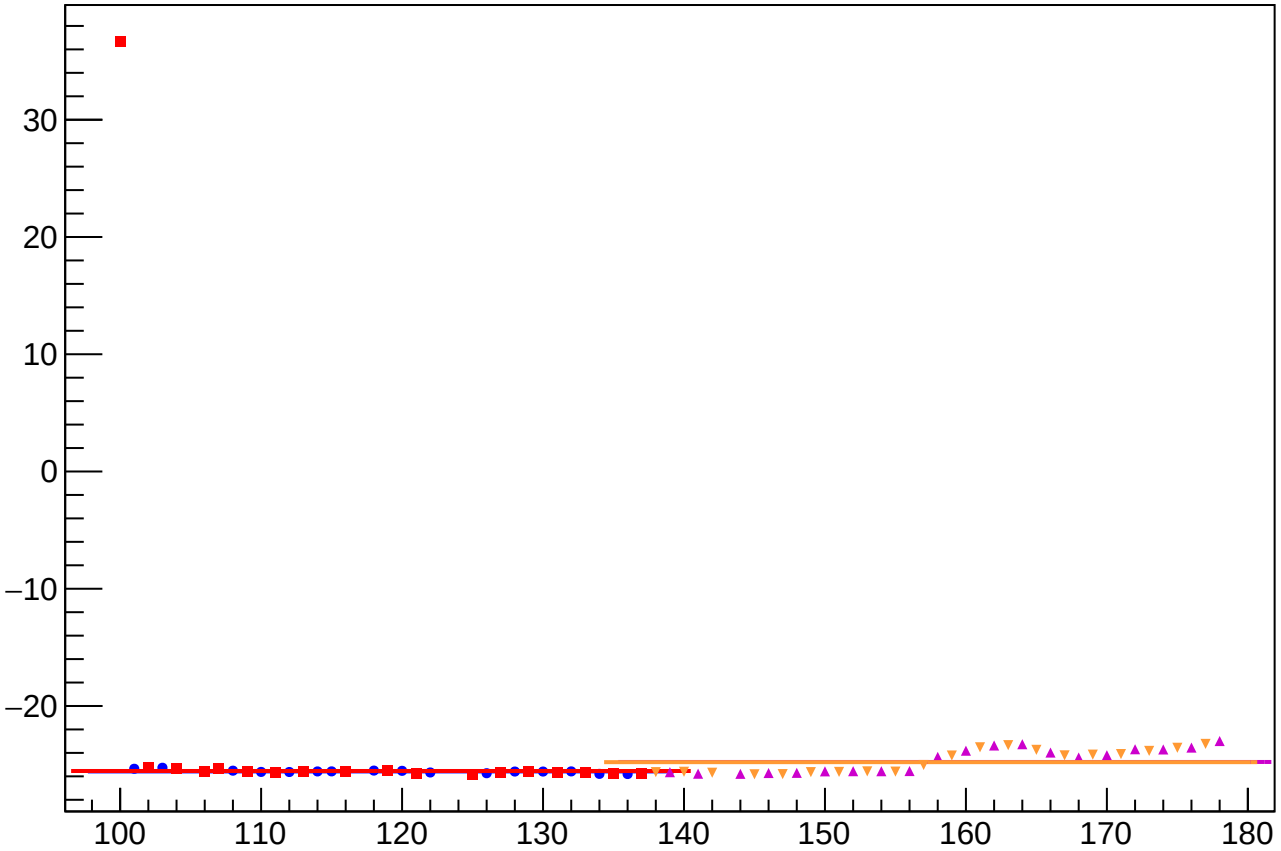
Left In: 0.077+/-0.000 χ^2/NDF:472768.3/19

+ sign 0.080+/-0.000 χ^2/NDF: 928979.0/36

All: 0.080+/-0.000 χ^2/NDF: 2235168.7/75

- sign 0.080+/-0.000 χ^2/NDF: 1305490.4/38

yield_dsl_mean vs Slug



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -24.789+/-0.000 χ^2/NDF:6870963314.1/19

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

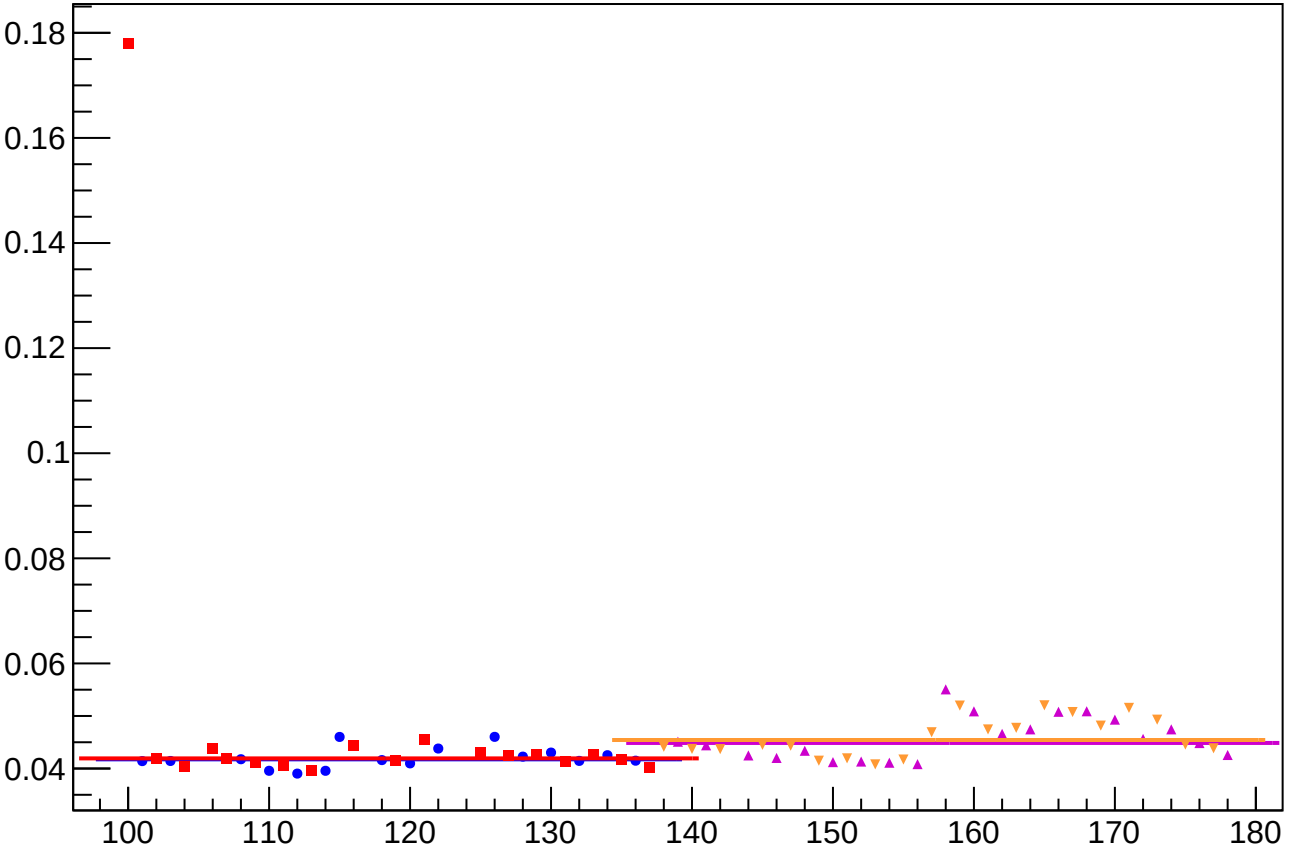
Left In: -24.774+/-0.000 χ^2/NDF:8013335082.7/19

+ sign -25.070+/-0.000 χ^2/NDF: 8621099784.3/35

All: -25.054+/-0.000 χ^2/NDF: 27151031298.3

- sign -25.038+/-0.000 χ^2/NDF: 18523880388.9/37

yield_dsl_rms vs Slug



Right In: 0.042+/-0.000 χ^2/NDF: 20733.3/15

Left Out: 0.045+/-0.000 χ^2/NDF:177049.1/19

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

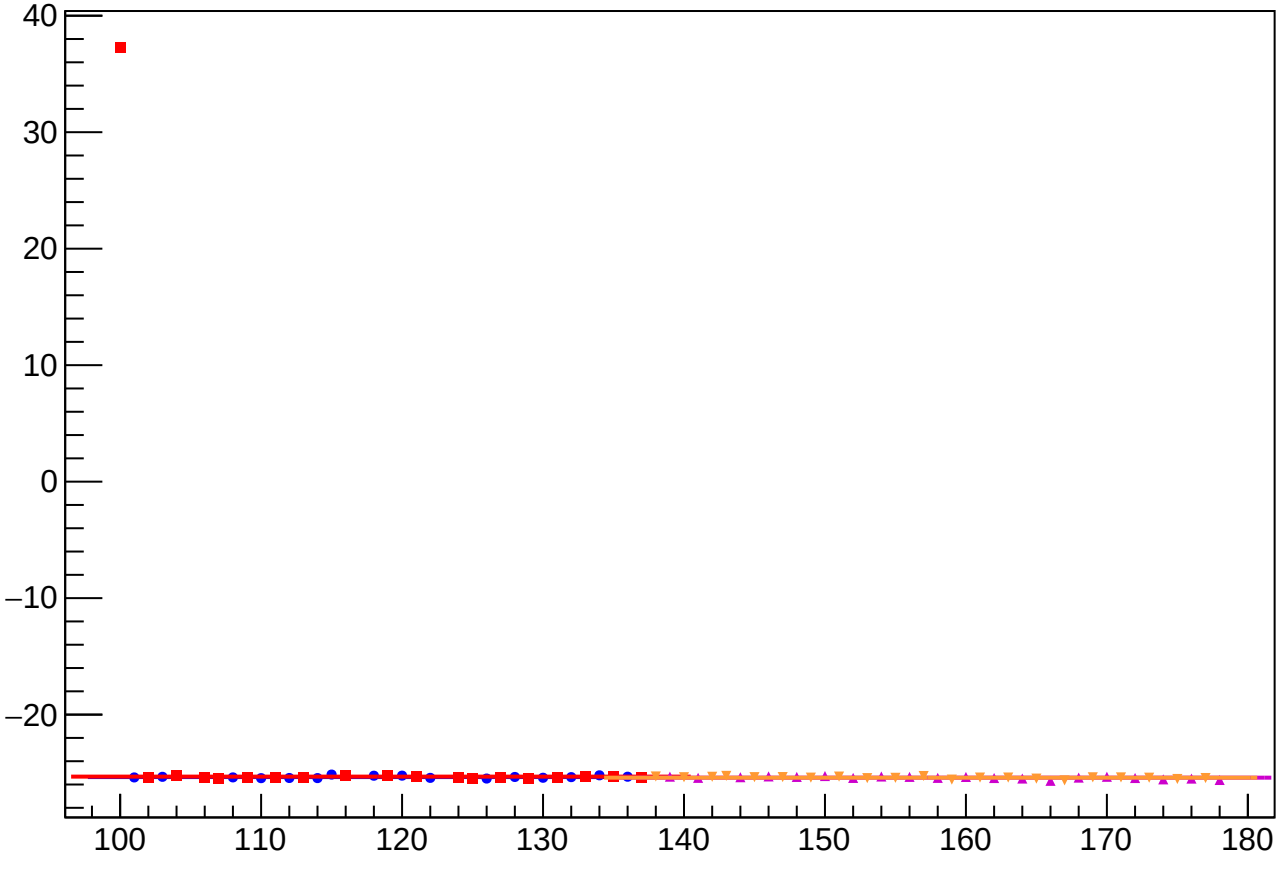
Left In: 0.045+/-0.000 χ^2/NDF:220812.5/19

+ sign 0.044+/-0.000 χ^2/NDF: 269528.7/35

All: 0.044+/-0.000 χ^2/NDF: 638036.9/73

- sign 0.044+/-0.000 χ^2/NDF: 367709.7/37

yield_dsr_mean vs Slug



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.412+/-0.000 χ^2/NDF:46360830.7/20

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

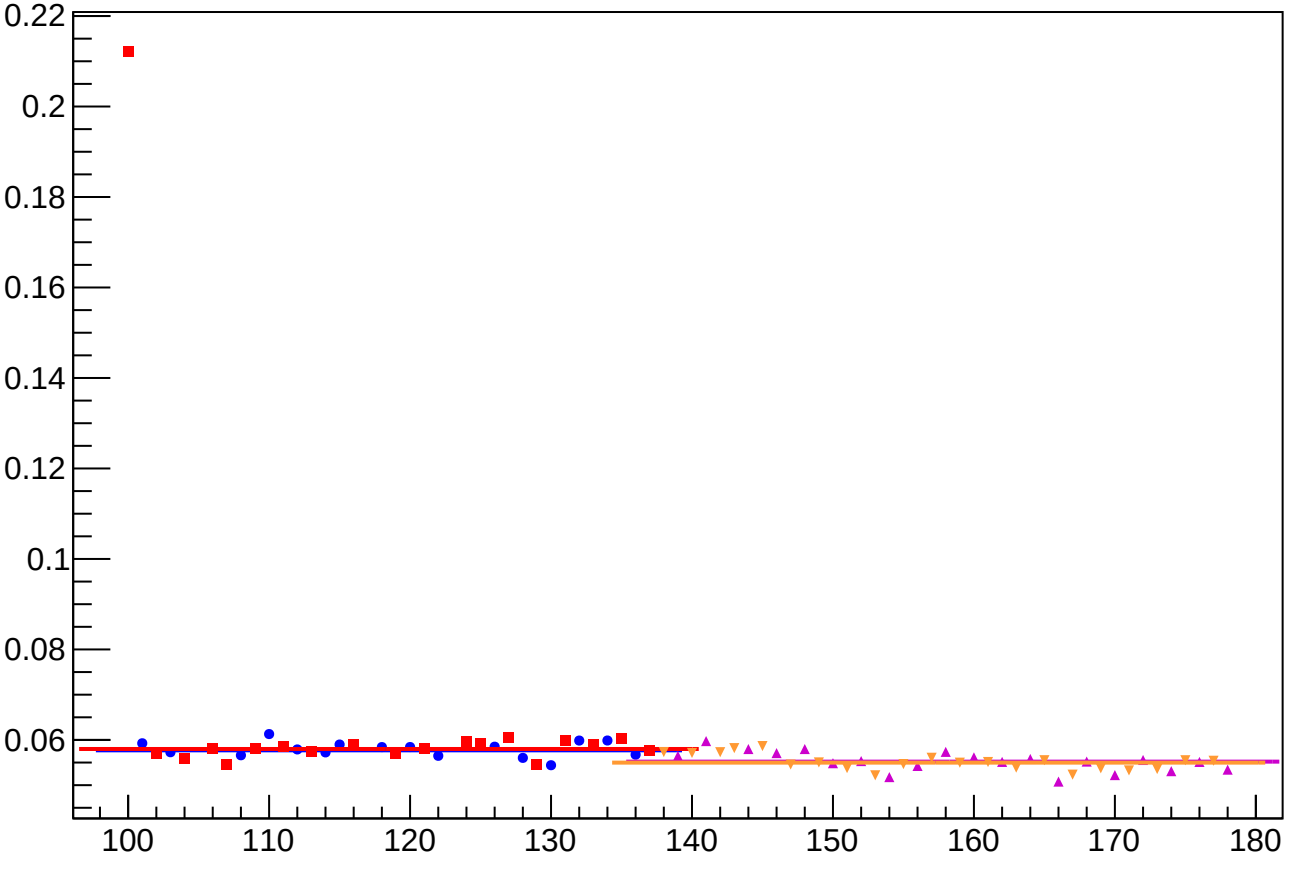
Left In: -25.413+/-0.000 χ^2/NDF:54572356.8/19

+ sign -25.398+/-0.000 χ^2/NDF: 63715488.7/36

All: -25.392+/-0.000 χ^2/NDF: 6446140921.6/

- sign -25.386+/-0.000 χ^2/NDF: 6381943286.6/38

yield_dsr_rms vs Slug



Right In: 0.058+/-0.000 χ^2/NDF: 11763.6/15

Left Out: 0.055+/-0.000 χ^2/NDF:31757.0/20

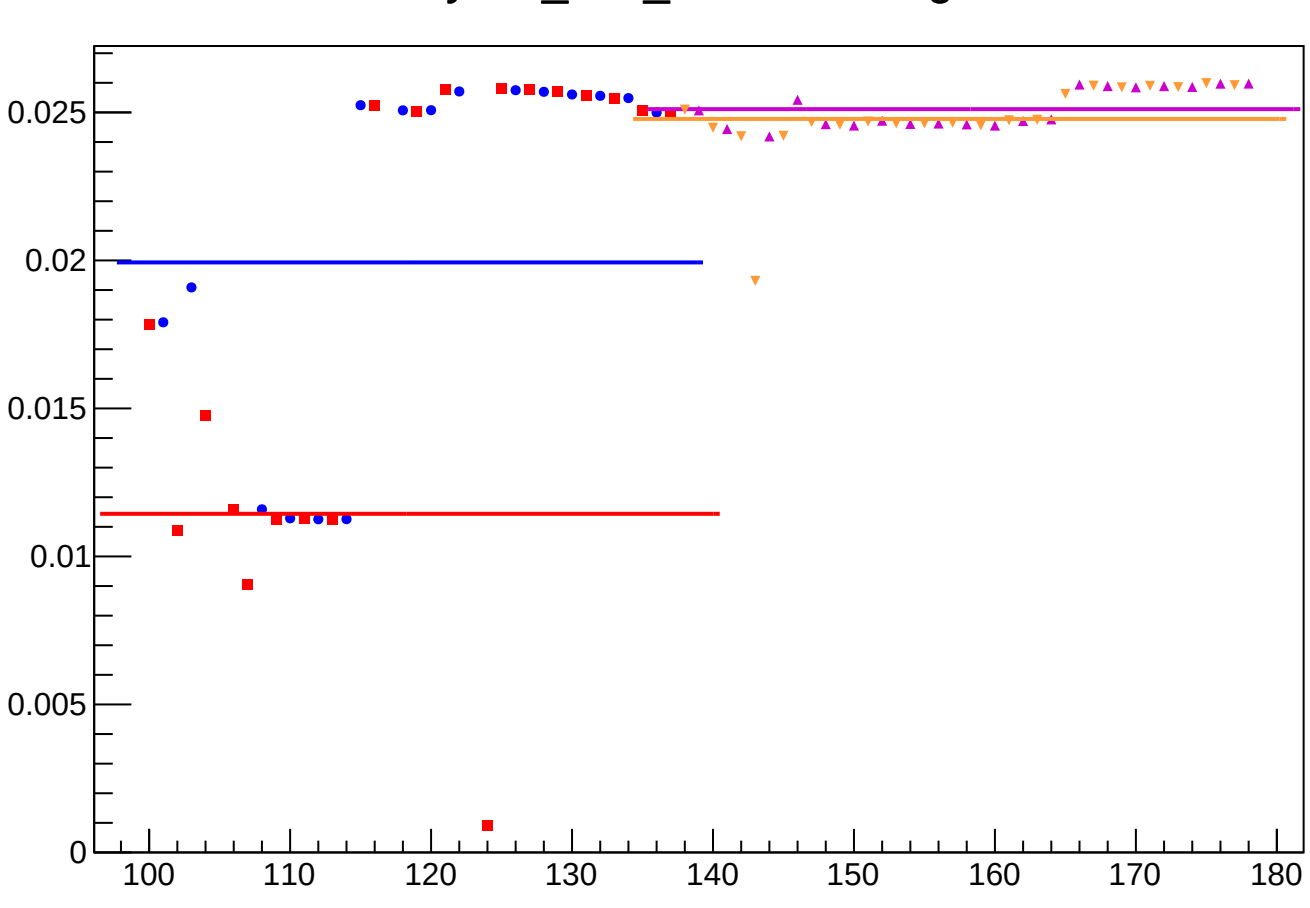
Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.055+/-0.000 χ^2/NDF:49057.8/19

+ sign 0.056+/-0.000 χ^2/NDF: 65739.1/36

All: 0.056+/-0.000 χ^2/NDF: 227723.6/75

- sign 0.056+/-0.000 χ^2/NDF: 161447.4/38



Right In: 0.020+/-0.000 χ^2/NDF: 62465154056.0/15

Left Out: 0.025+/-0.000 χ^2/NDF:6860974129.3/20

Right Out: 0.011+/-0.000 χ^2/NDF: 253880264851.8/18

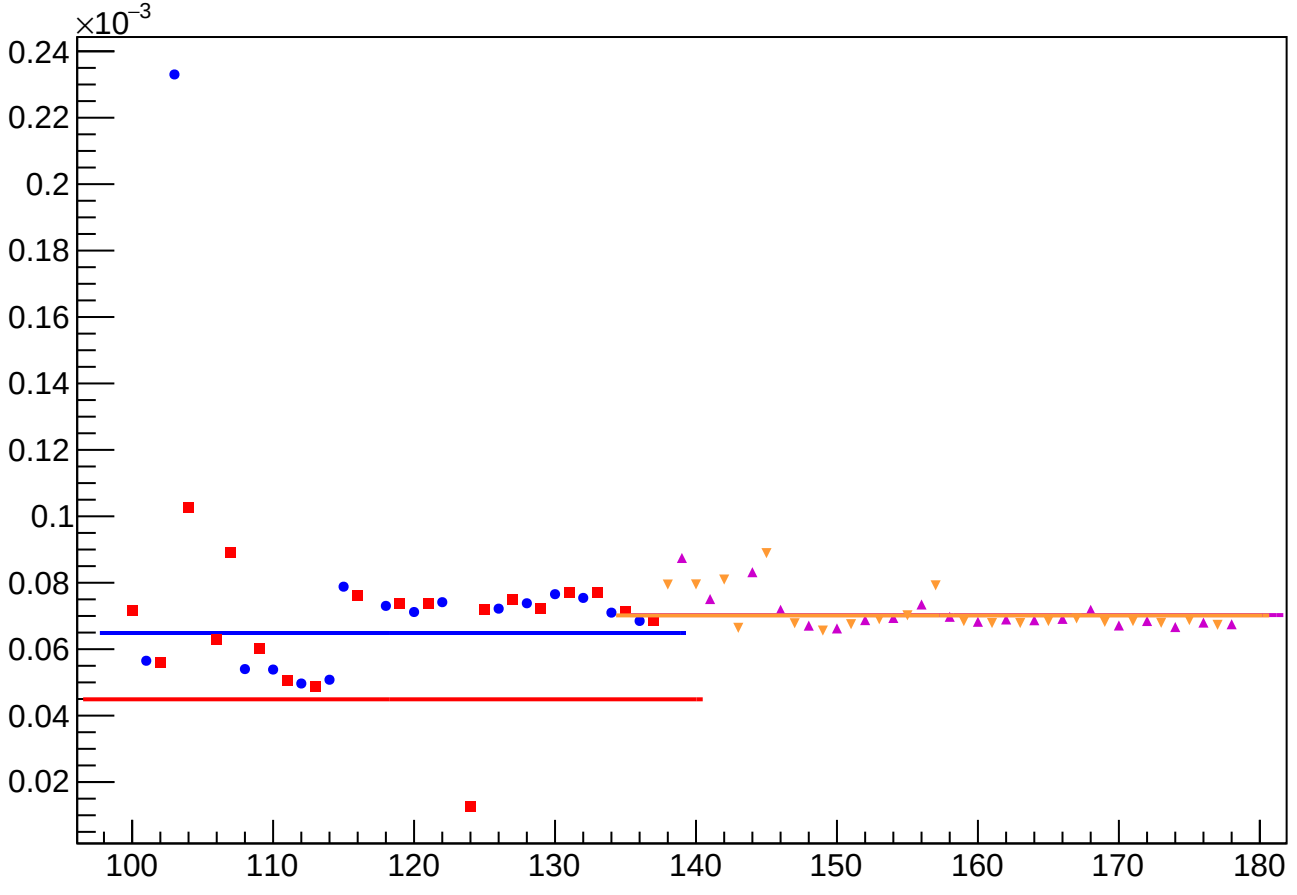
Left In: 0.025+/-0.000 χ^2/NDF:1279324263.4/19

+ sign 0.023+/-0.000 χ^2/NDF: 94185849458.2/36

All: 0.021+/-0.000 χ^2/NDF: 658605963091.3

- sign 0.019+/-0.000 χ^2/NDF: 520150971743.2/38

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:178374.3/20

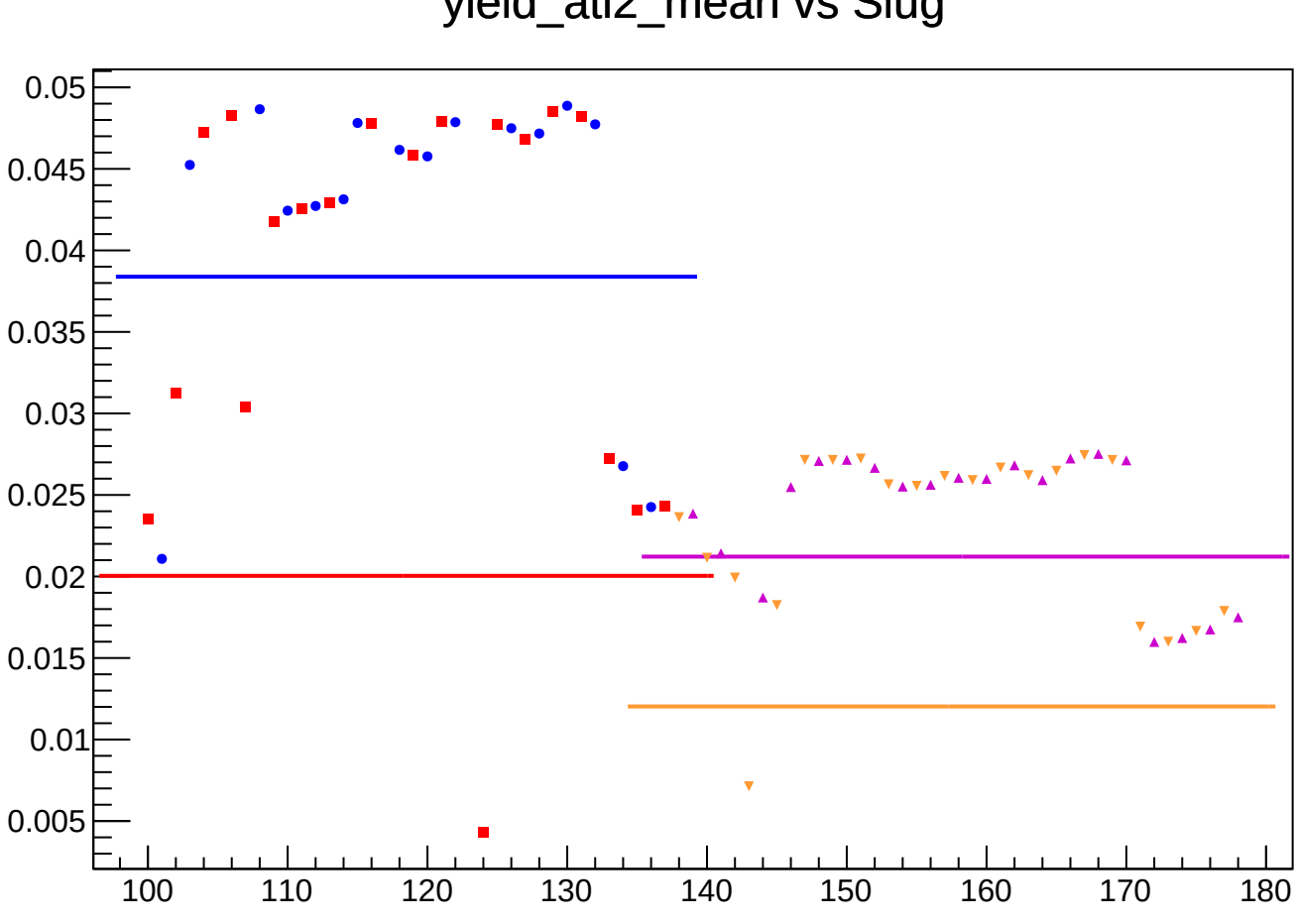
Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

Left In: 0.000+/-0.000 χ^2/NDF:143885.7/19

+ sign 0.000+/-0.000 χ^2/NDF: 1054571.7/36

All: 0.000+/-0.000 χ^2/NDF: 7248685.0/75

- sign 0.000+/-0.000 χ^2/NDF: 5737869.3/38



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.012+/-0.000 χ^2/NDF:35186192353.4/20

Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

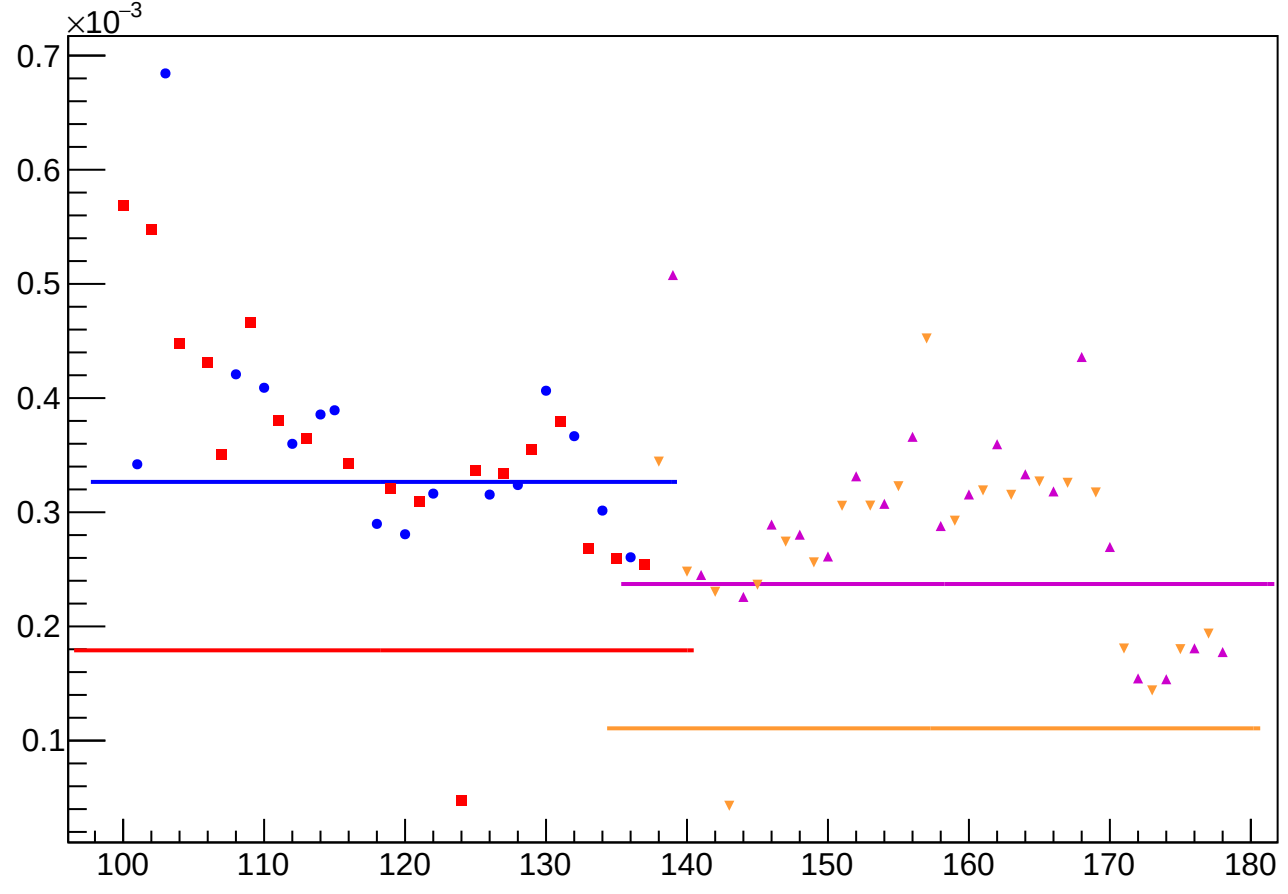
Left In: 0.021+/-0.000 χ^2/NDF:5347763263.6/19

+ sign 0.014+/-0.000 χ^2/NDF: 80037211024.8/36

All: 0.016+/-0.000 χ^2/NDF: 138316103313.0

- sign 0.021+/-0.000 χ^2/NDF: 47644880764.8/38

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 581428.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:13828572.2/20

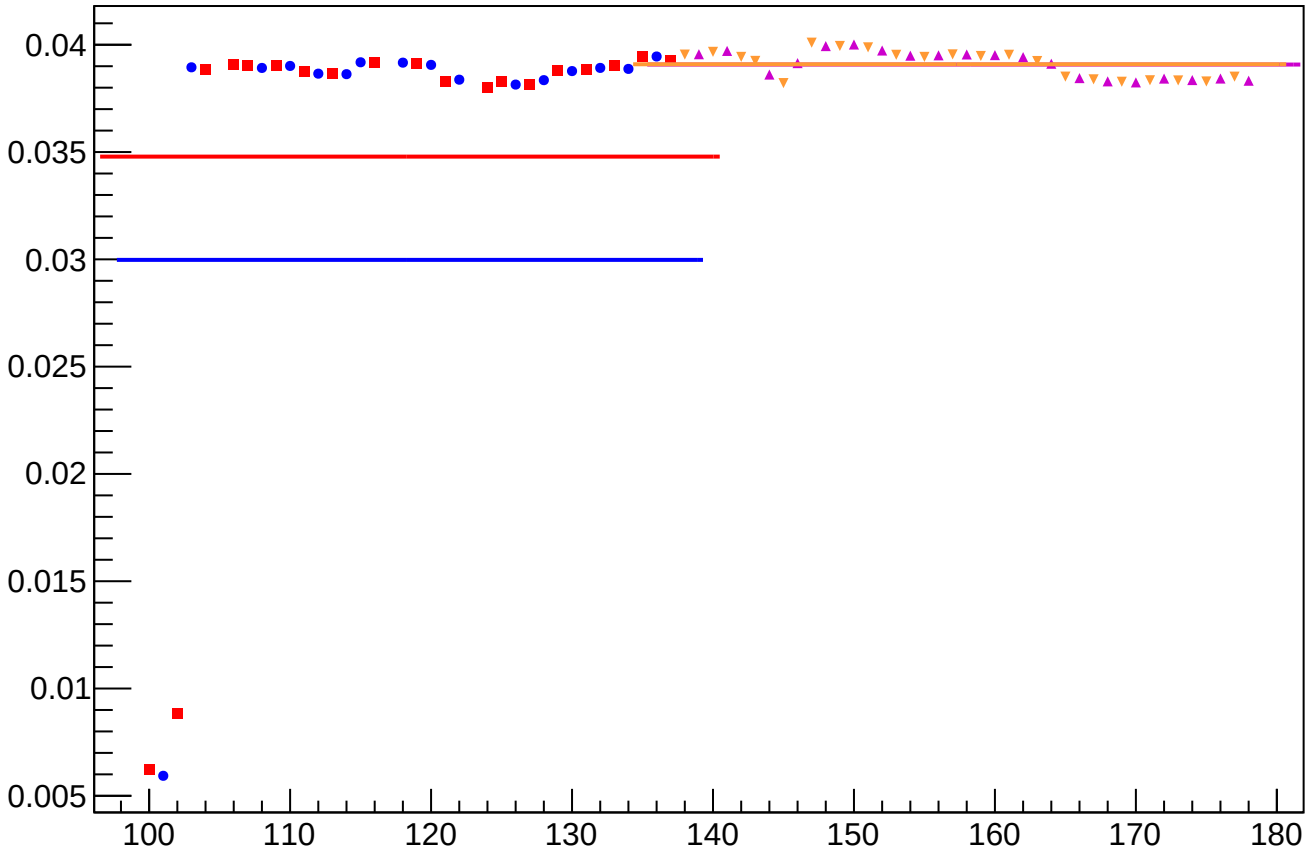
Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2974056.7/19

\+ sign 0.000+/-0.000 χ^2/NDF: 19476243.2/36

All: 0.000+/-0.000 χ^2/NDF: 32491778.5/75

\- sign 0.000+/-0.000 χ^2/NDF: 9180444.1/38



Right In: 0.030+/-0.000 χ^2/NDF: 108275706275.7/15

Left Out: 0.039+/-0.000 χ^2/NDF:389943839.3/20

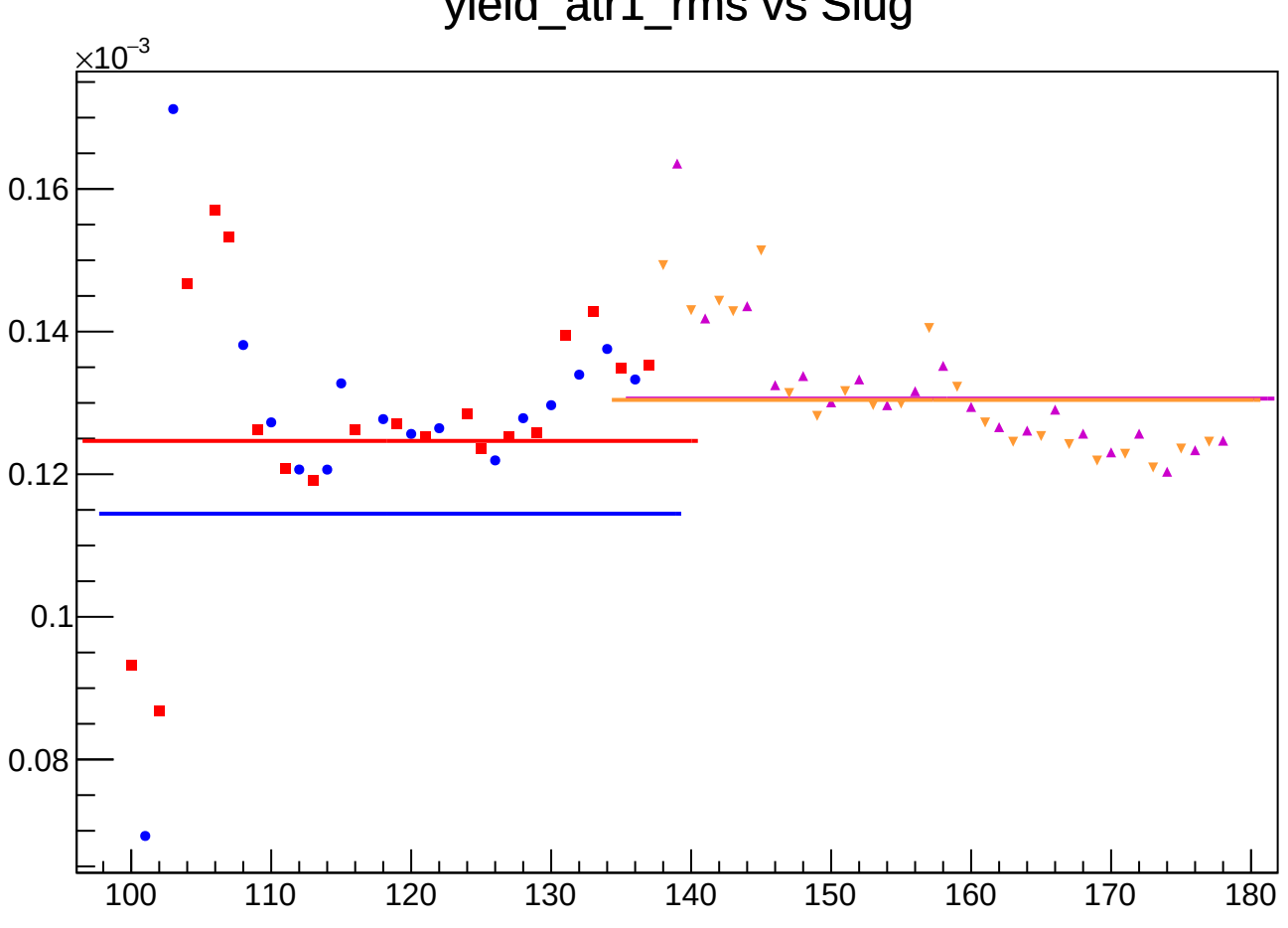
Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.039+/-0.000 χ^2/NDF:357800244.1/19

+ sign 0.036+/-0.000 χ^2/NDF: 136170491392.6/36

All: 0.037+/-0.000 χ^2/NDF: 191558905858.0

- sign 0.038+/-0.000 χ^2/NDF: 53174282336.2/38



Right In: 0.000+/-0.000 χ^2/NDF: 853142.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:137458.9/20

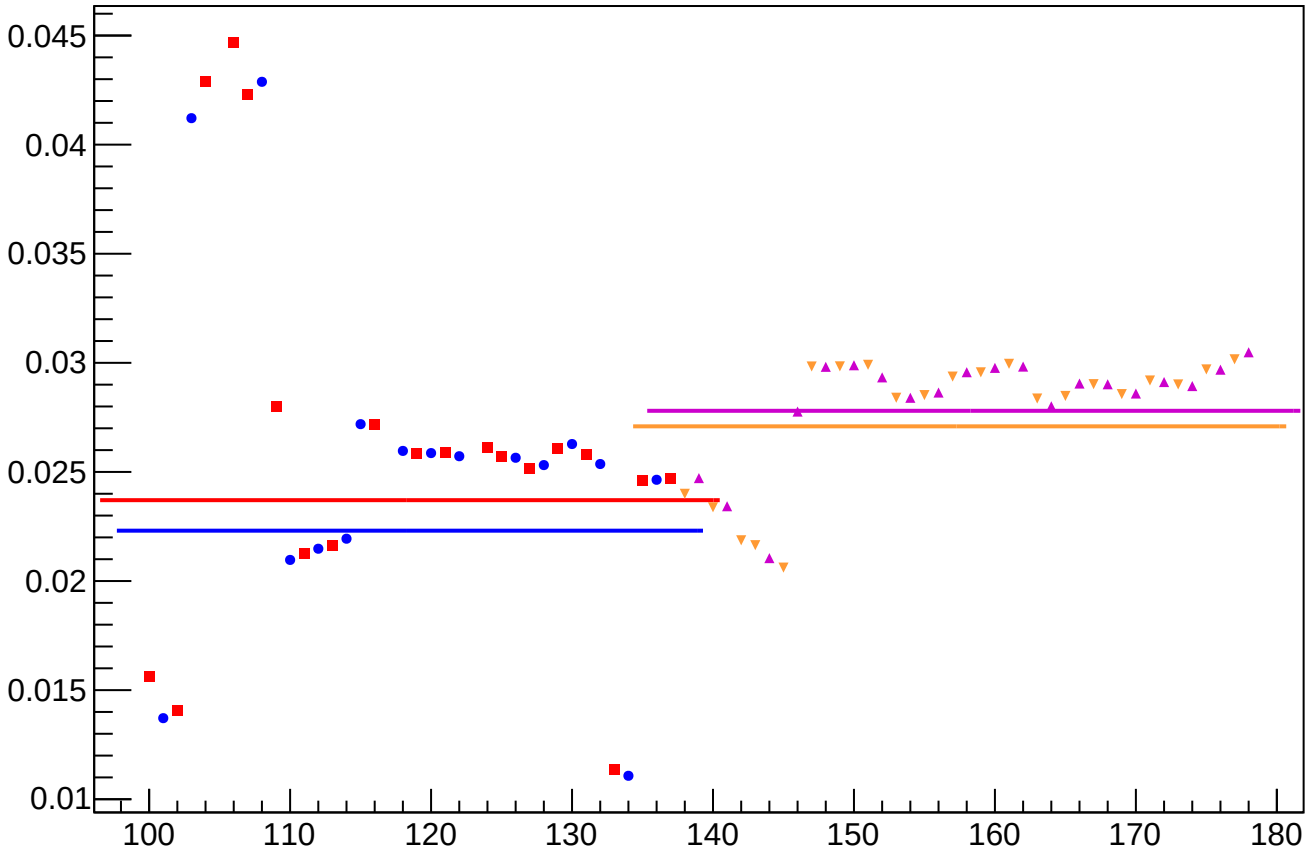
Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

Left In: 0.000+/-0.000 χ^2/NDF:130412.9/19

+ sign 0.000+/-0.000 χ^2/NDF: 1159284.8/36

All: 0.000+/-0.000 χ^2/NDF: 1591908.0/75

- sign 0.000+/-0.000 χ^2/NDF: 412030.9/38



Right In: 0.022+/-0.000 χ^2/NDF: 5012486114.6/15

Left Out: 0.027+/-0.000 χ^2/NDF:2080788369.0/20

Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

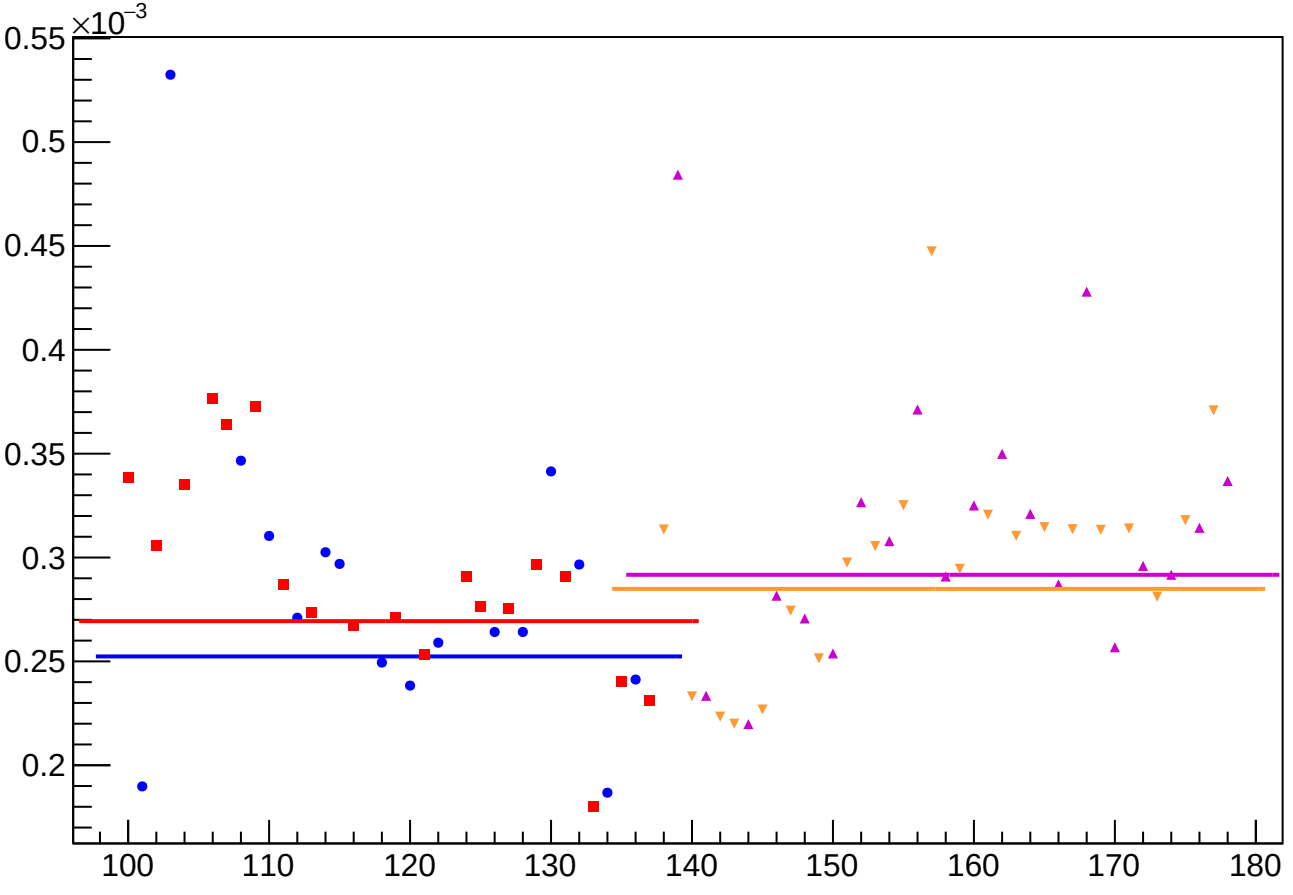
Left In: 0.028+/-0.000 χ^2/NDF:1407135140.2/19

+ sign 0.025+/-0.000 χ^2/NDF: 8545749297.2/36

All: 0.026+/-0.000 χ^2/NDF: 16653202529.4/7

- sign 0.026+/-0.000 χ^2/NDF: 7973405228.1/38

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:758304.1/20

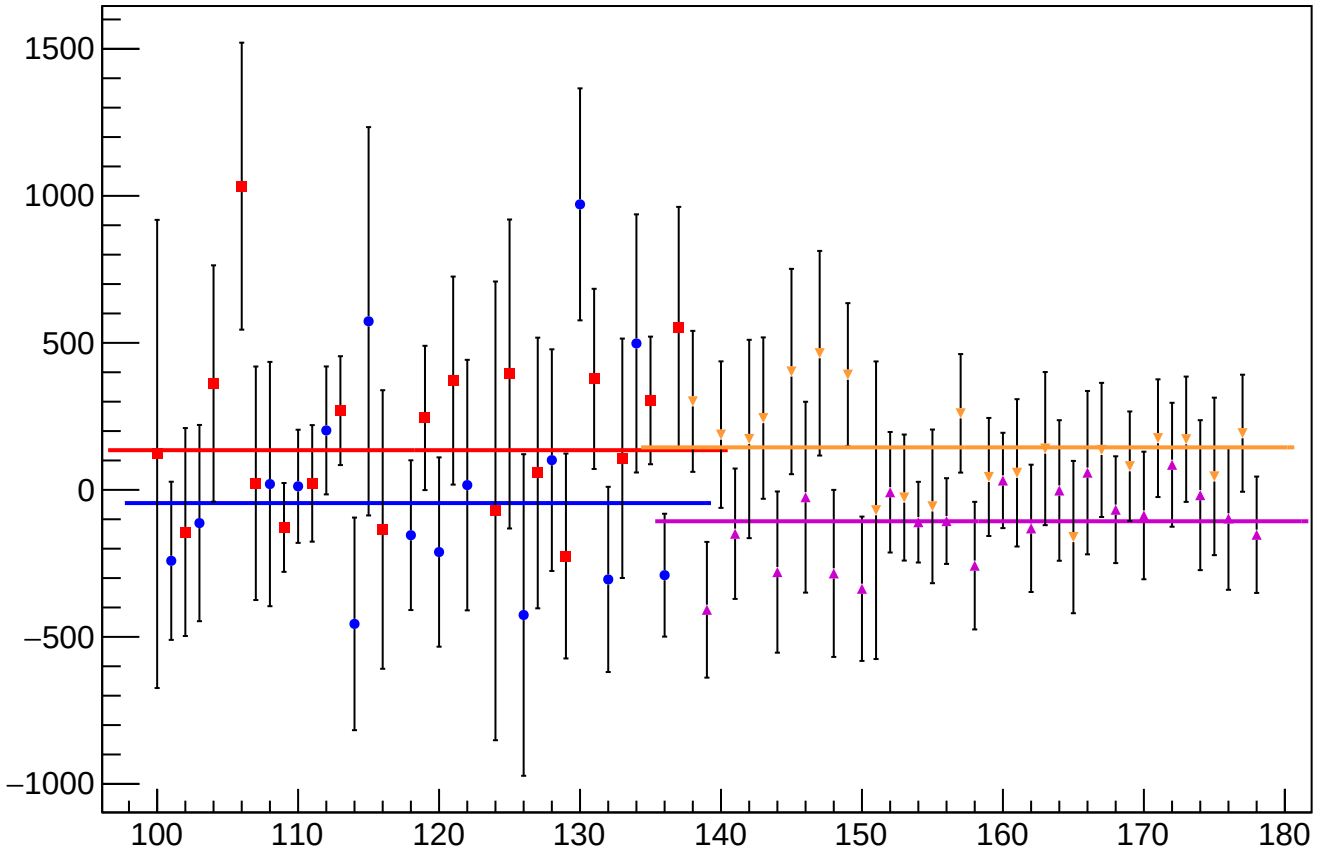
Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:958283.0/19

+ sign 0.000+/-0.000 χ^2/NDF: 1600612.9/36

All: 0.000+/-0.000 χ^2/NDF: 3094076.5/75

- sign 0.000+/-0.000 χ^2/NDF: 1463113.6/38



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 144.599+/-52.822 χ^2/NDF:6.9/20

Right Out: 134.996+/-68.062 χ^2/NDF: 12.9/18

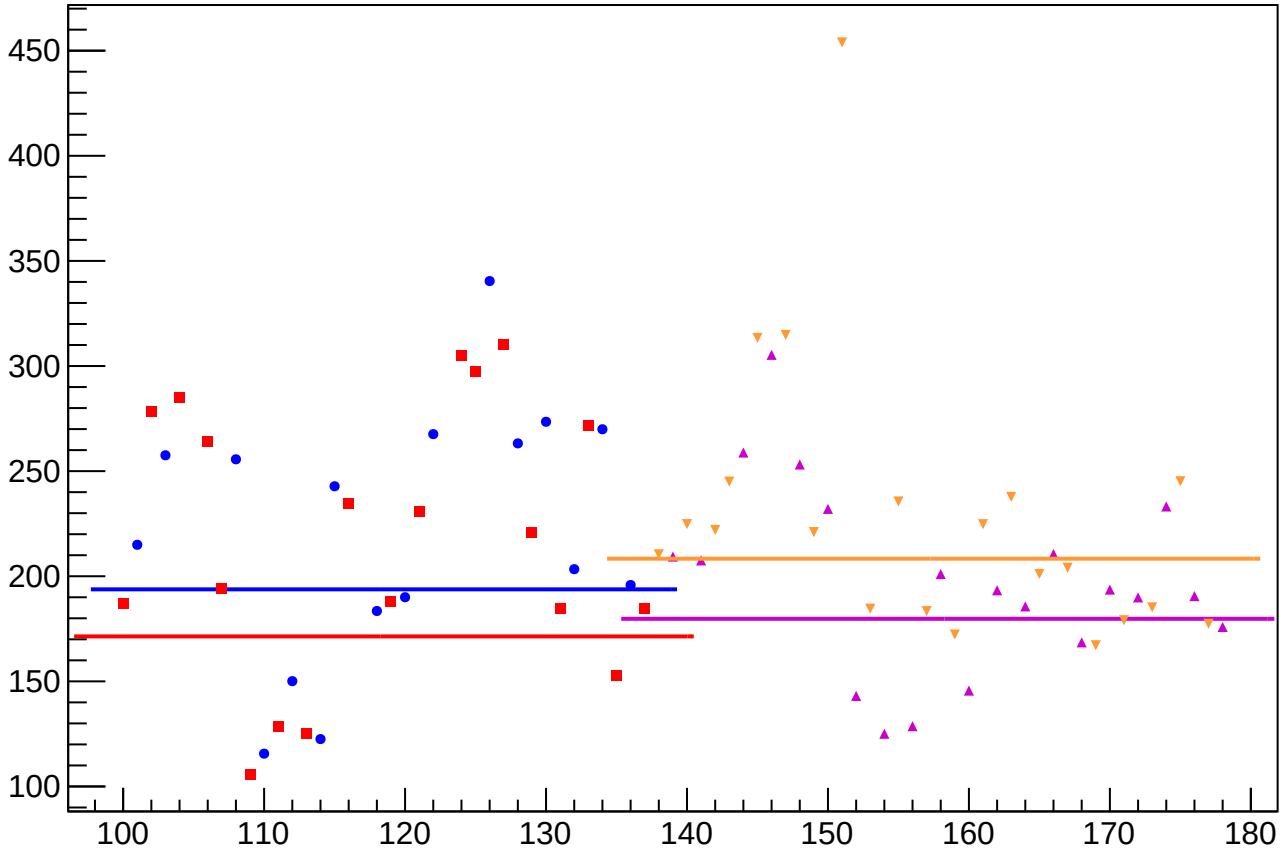
Left In: -106.754+/-46.732 χ^2/NDF:6.5/19

+ sign 83.086+/-43.411 χ^2/NDF: 26.5/36

All: 20.214+/-28.815 χ^2/NDF: 58.3/75

- sign -29.301+/-38.525 χ^2/NDF: 28.0/38

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: 208.358+/-0.037 χ^2/NDF:1320292.9/20

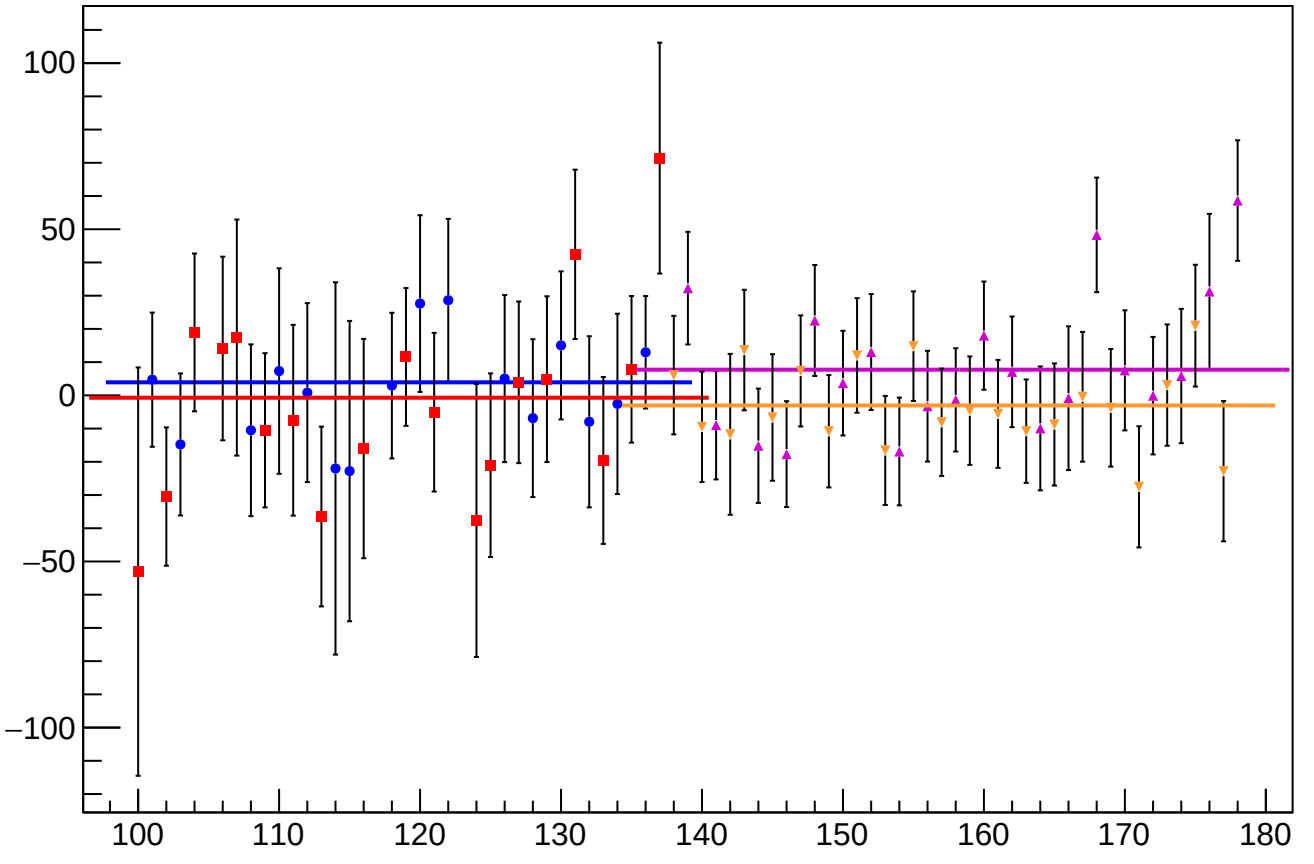
Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 179.756+/-0.033 χ^2/NDF:1636308.6/19

+ sign 203.622+/-0.031 χ^2/NDF: 2417915.7/36

All: 188.770+/-0.020 χ^2/NDF: 6151364.5/75

- sign 177.073+/-0.027 χ^2/NDF: 3314962.4/38



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

Left Out: -3.040+/-3.847 χ^2/NDF:9.6/20

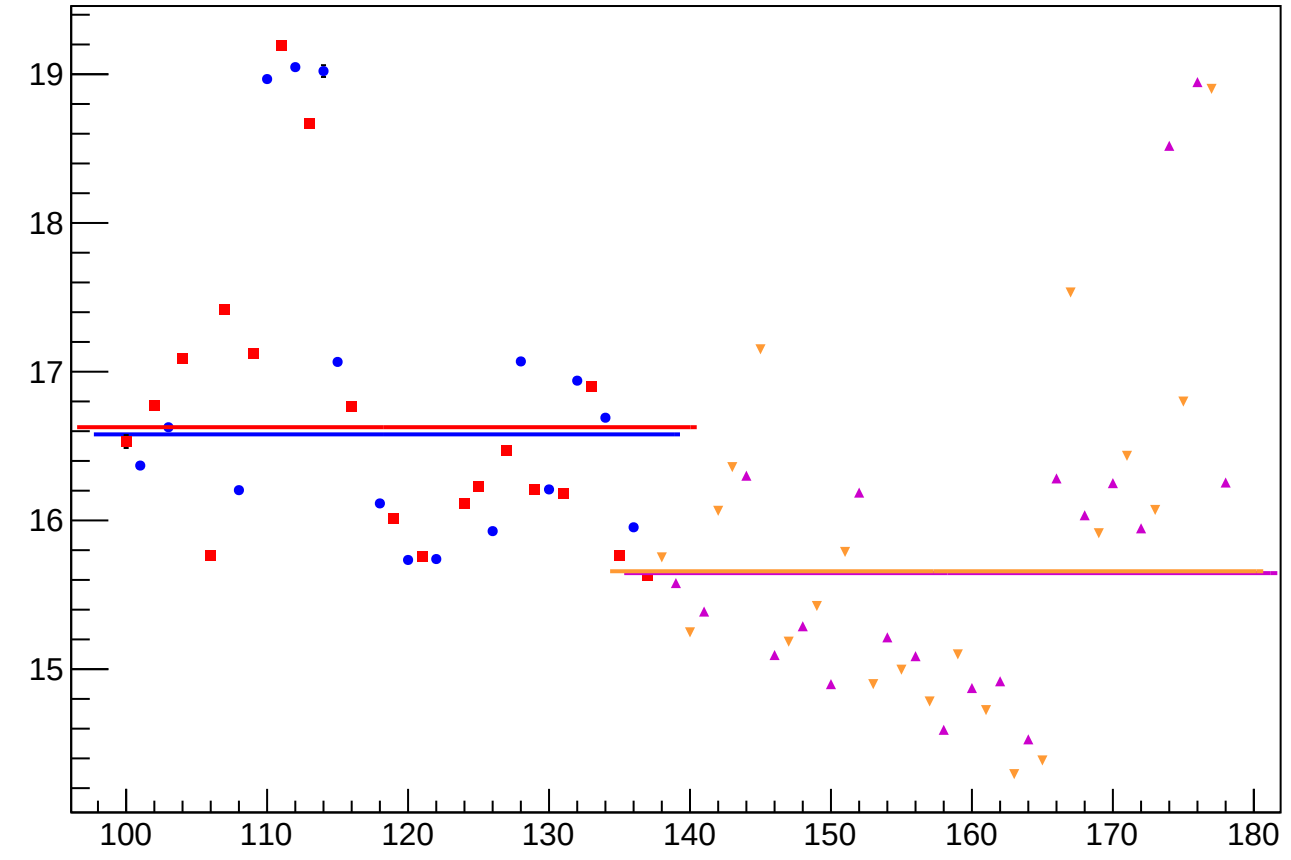
Right Out: -0.714+/-6.077 χ^2/NDF: 15.9/18

Left In: 7.732+/-3.884 χ^2/NDF:27.6/19

+ sign -1.092+/-3.264 χ^2/NDF: 15.1/36

All: 2.088+/-2.311 χ^2/NDF: 61.8/75

- sign 5.283+/-3.272 χ^2/NDF: 44.8/38



Right In: 16.579+/-0.004 χ^2/NDF: 44575.6/15

Left Out: 15.658+/-0.003 χ^2/NDF:144911.4/20

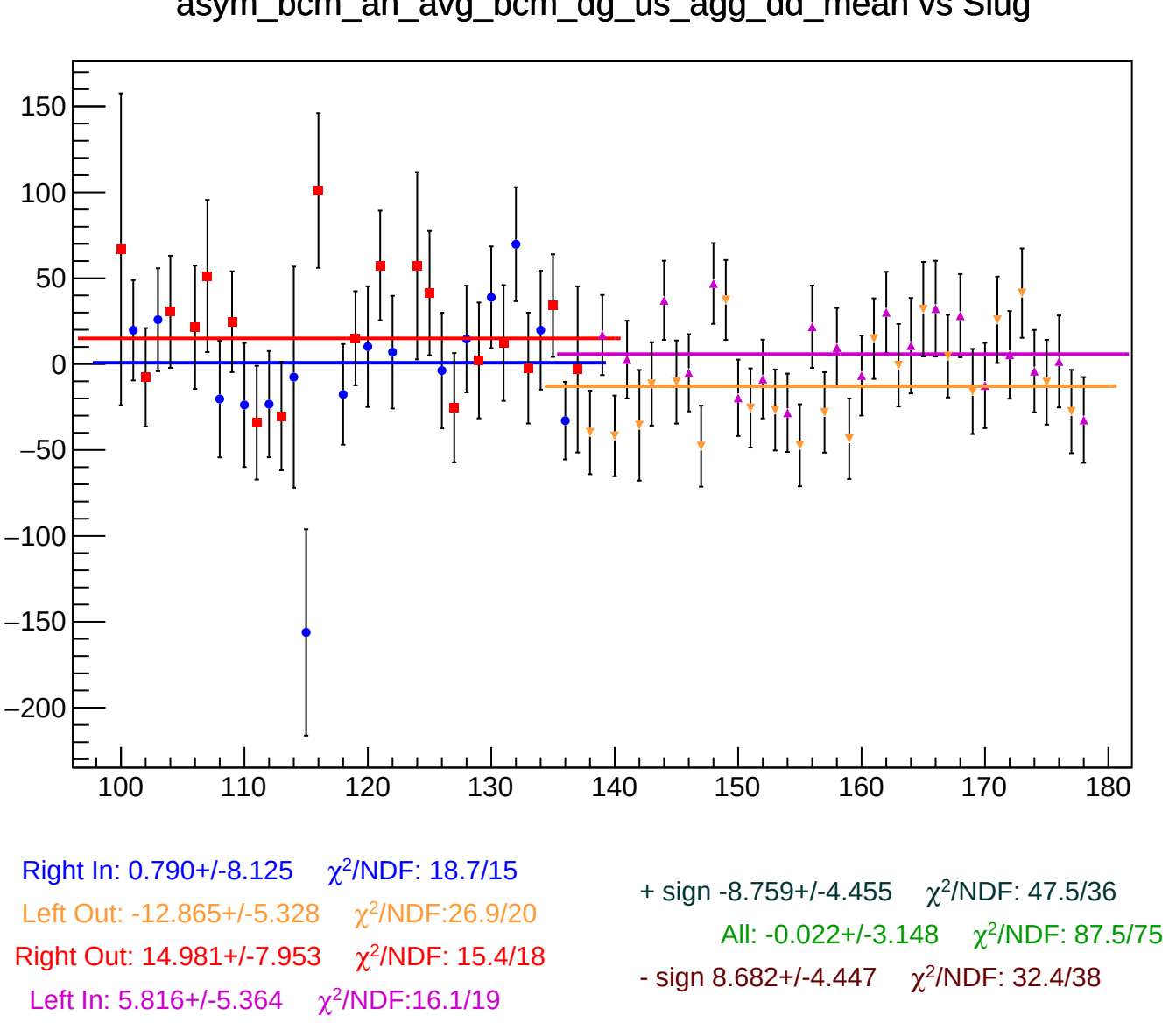
Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.646+/-0.003 χ^2/NDF:129704.9/19

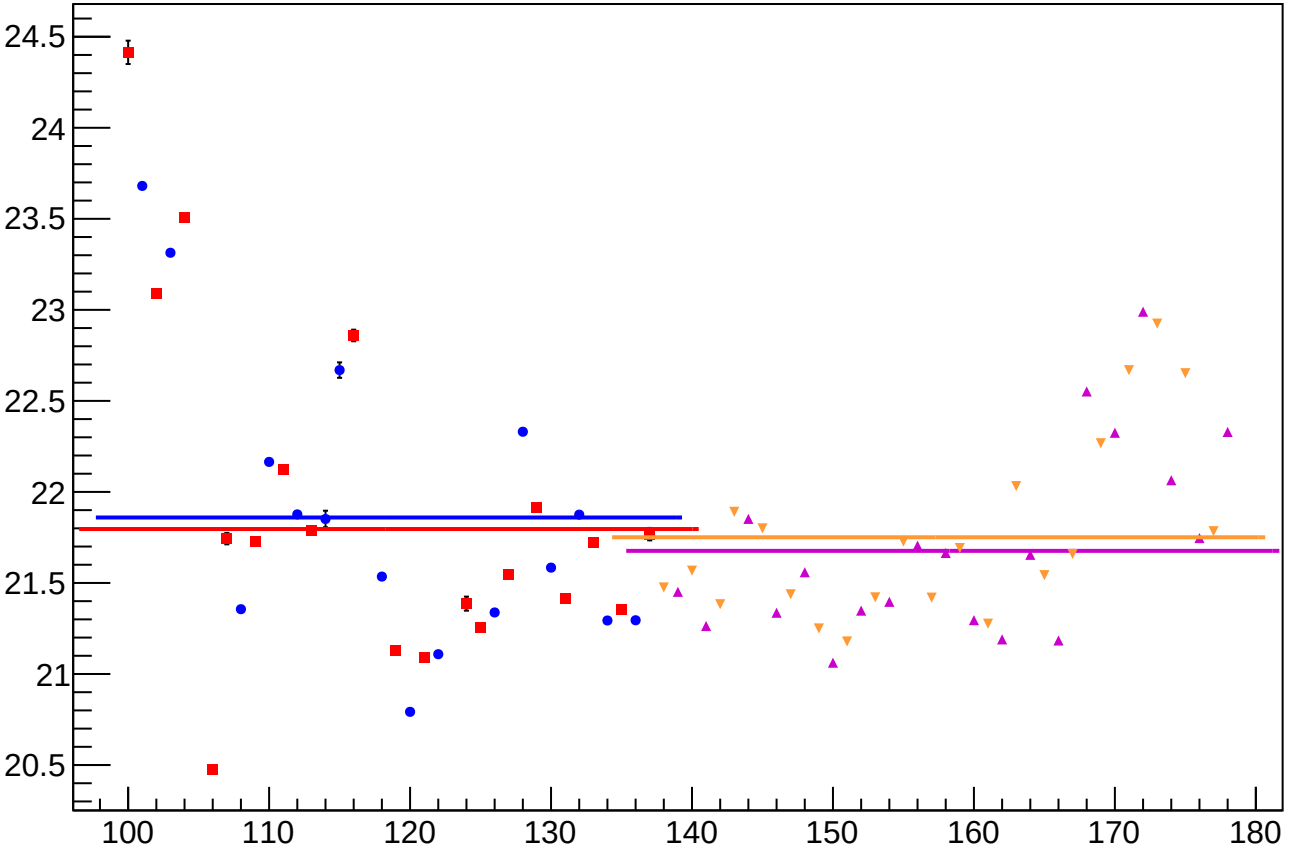
\+ sign 15.916+/-0.002 χ^2/NDF: 221517.4/36

All: 15.923+/-0.002 χ^2/NDF: 431724.7/75

\- sign 15.930+/-0.002 χ^2/NDF: 210187.7/38


asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug
150
100
50
0
−50
−100
−150
−200
100
110
120
130
140
150
160
170
180
Right In: 0.790+/-8.125 χ²/NDF: 18.7/15
Left Out: -12.865+/-5.328 χ²/NDF:26.9/20
Right Out: 14.981+/-7.953 χ²/NDF: 15.4/18
Left In: 5.816+/-5.364 χ²/NDF:16.1/19
+ sign -8.759+/-4.455 χ²/NDF: 47.5/36
All: -0.022+/-3.148 χ²/NDF: 87.5/75
- sign 8.682+/-4.447 χ²/NDF: 32.4/38

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: 21.751+/-0.004 χ^2/NDF:15526.2/20

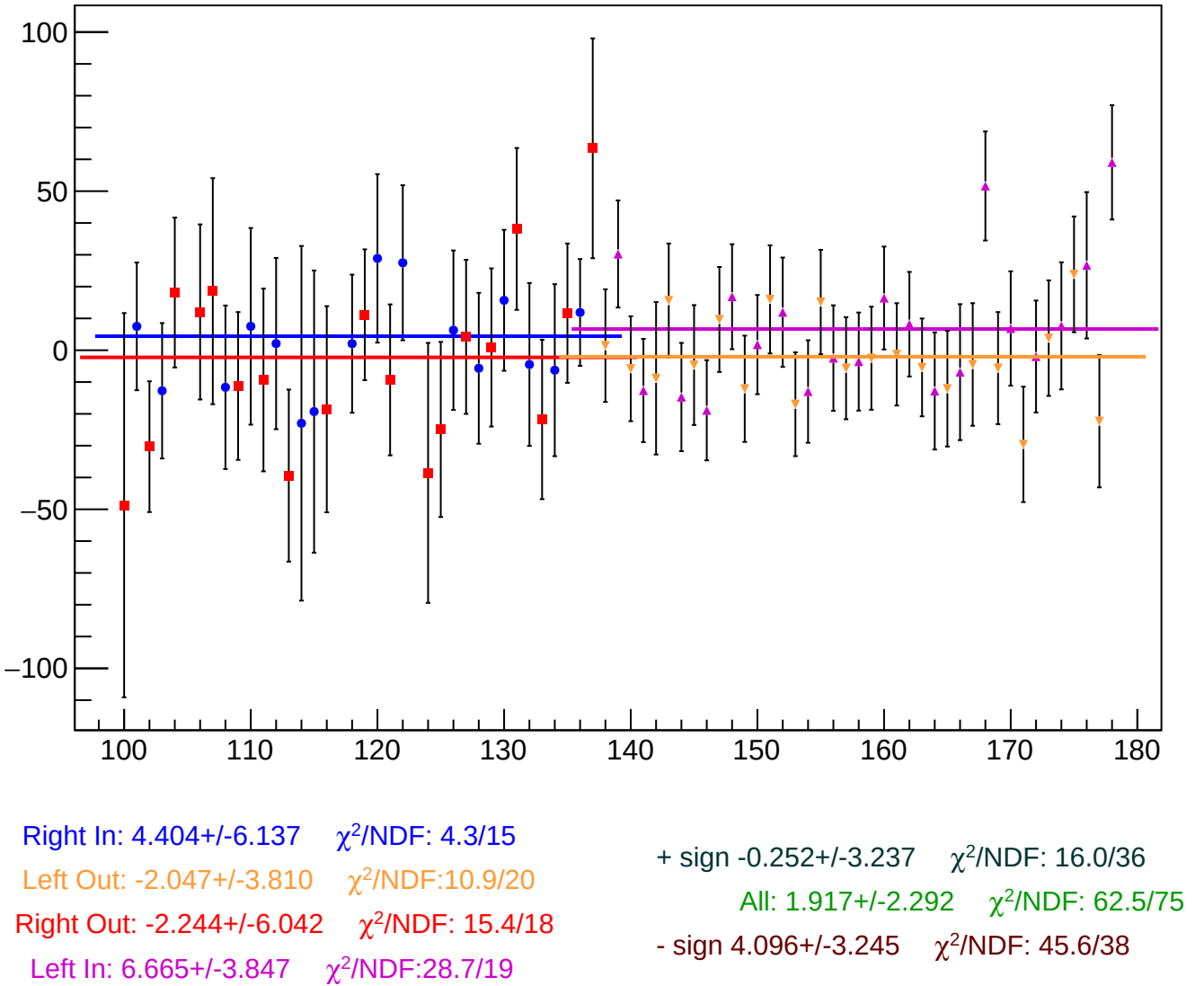
Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

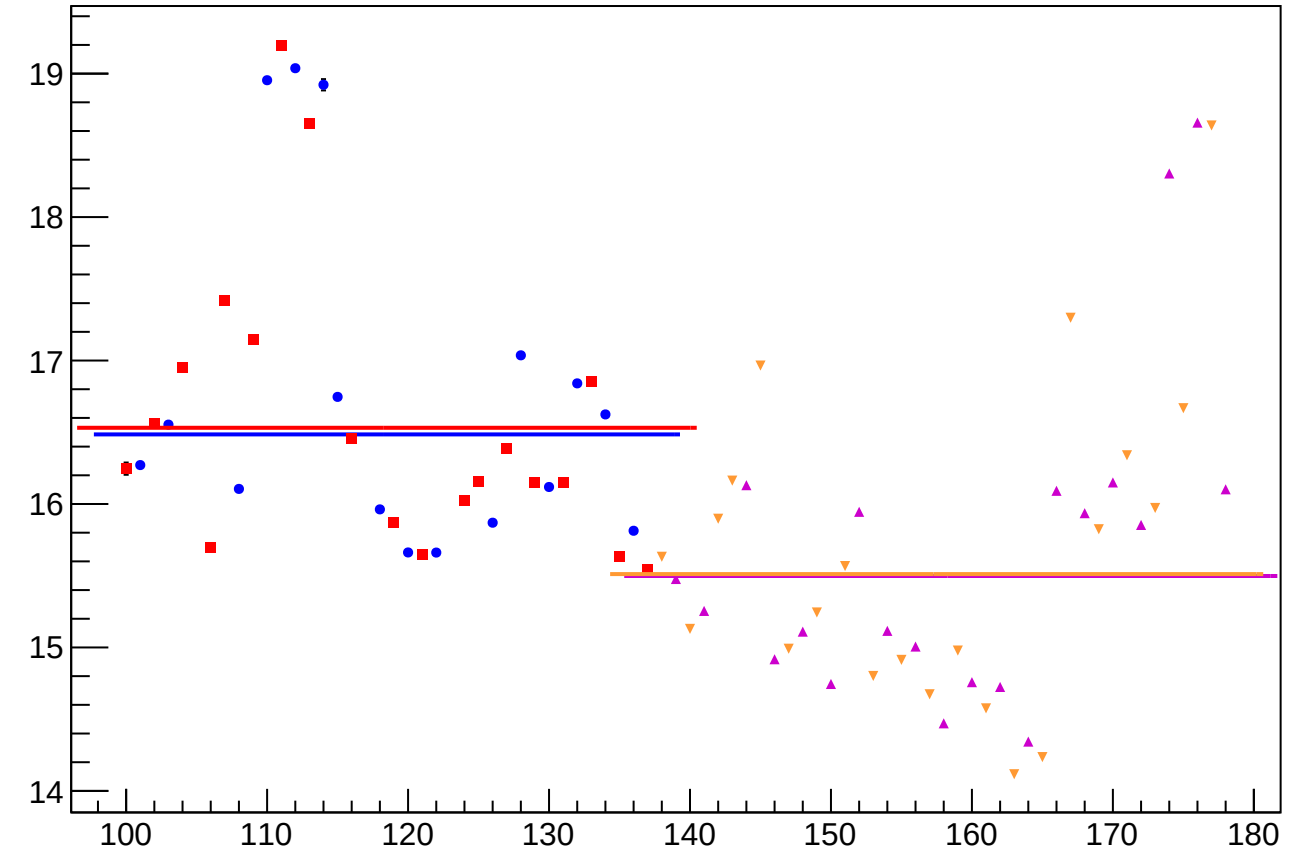
Left In: 21.676+/-0.004 χ^2/NDF:16909.3/19

+ sign 21.784+/-0.003 χ^2/NDF: 35244.6/36

All: 21.749+/-0.002 χ^2/NDF: 71573.2/75

- sign 21.714+/-0.003 χ^2/NDF: 36083.1/38


asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug
100
50
0
−50
−100
100
110
120
130
140
150
160
170
180
Right In: 4.404+/-6.137 χ²/NDF: 4.3/15
Left Out: -2.047+/-3.810 χ²/NDF:10.9/20
Right Out: -2.244+/-6.042 χ²/NDF: 15.4/18
Left In: 6.665+/-3.847 χ²/NDF:28.7/19
+ sign -0.252+/-3.237 χ²/NDF: 16.0/36
All: 1.917+/-2.292 χ²/NDF: 62.5/75
- sign 4.096+/-3.245 χ²/NDF: 45.6/38



Right In: 16.485+/-0.004 χ^2/NDF: 47186.1/15

Left Out: 15.511+/-0.003 χ^2/NDF:142483.6/20

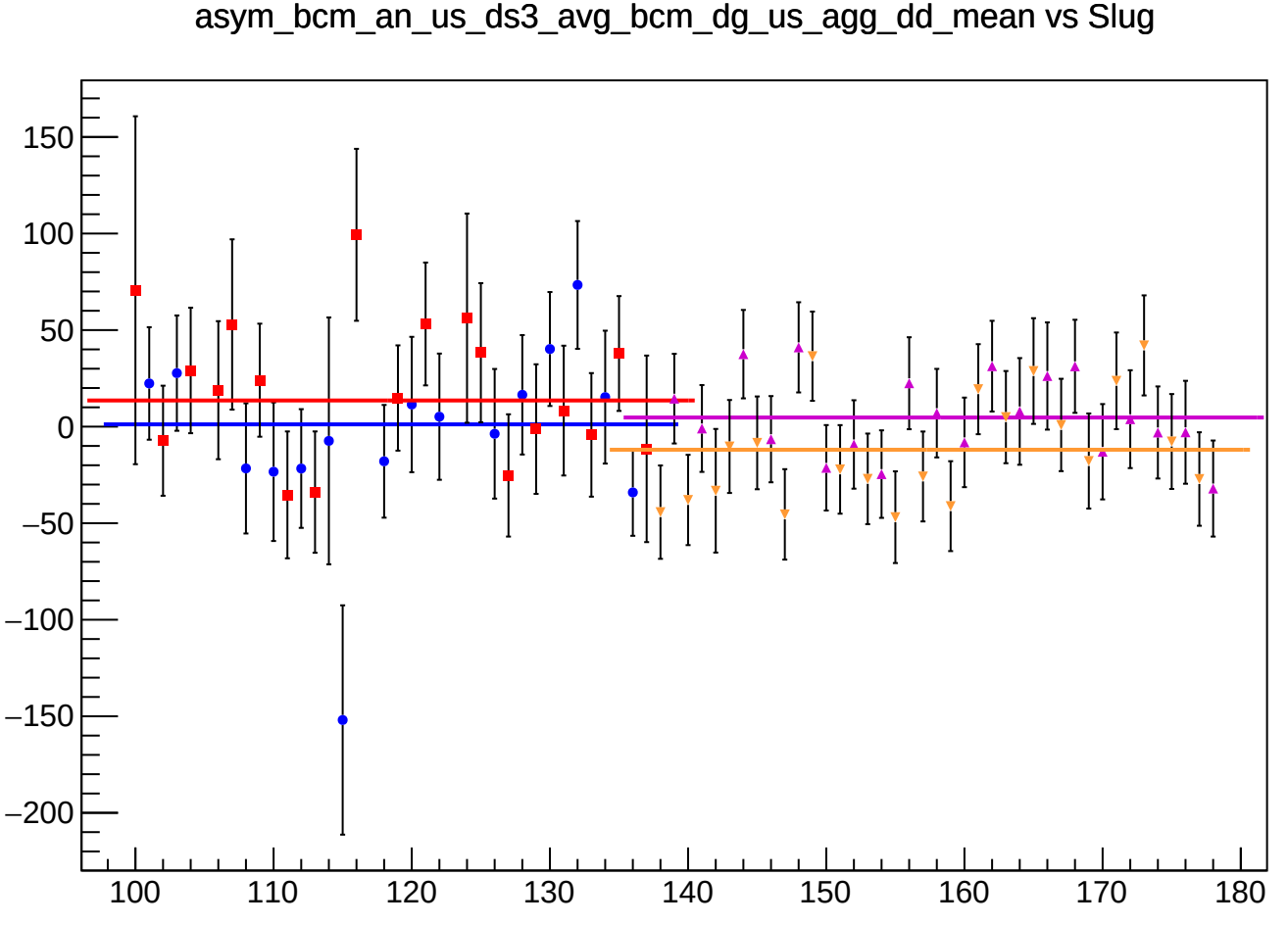
Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.498+/-0.003 χ^2/NDF:127116.8/19

+ sign 15.782+/-0.002 χ^2/NDF: 226004.9/36

All: 15.789+/-0.002 χ^2/NDF: 441225.4/75

- sign 15.796+/-0.002 χ^2/NDF: 215202.5/38



Right In: 1.185+/-8.088 χ^2/NDF: 19.4/15

Left Out: -11.967+/-5.298 χ^2/NDF:26.3/20

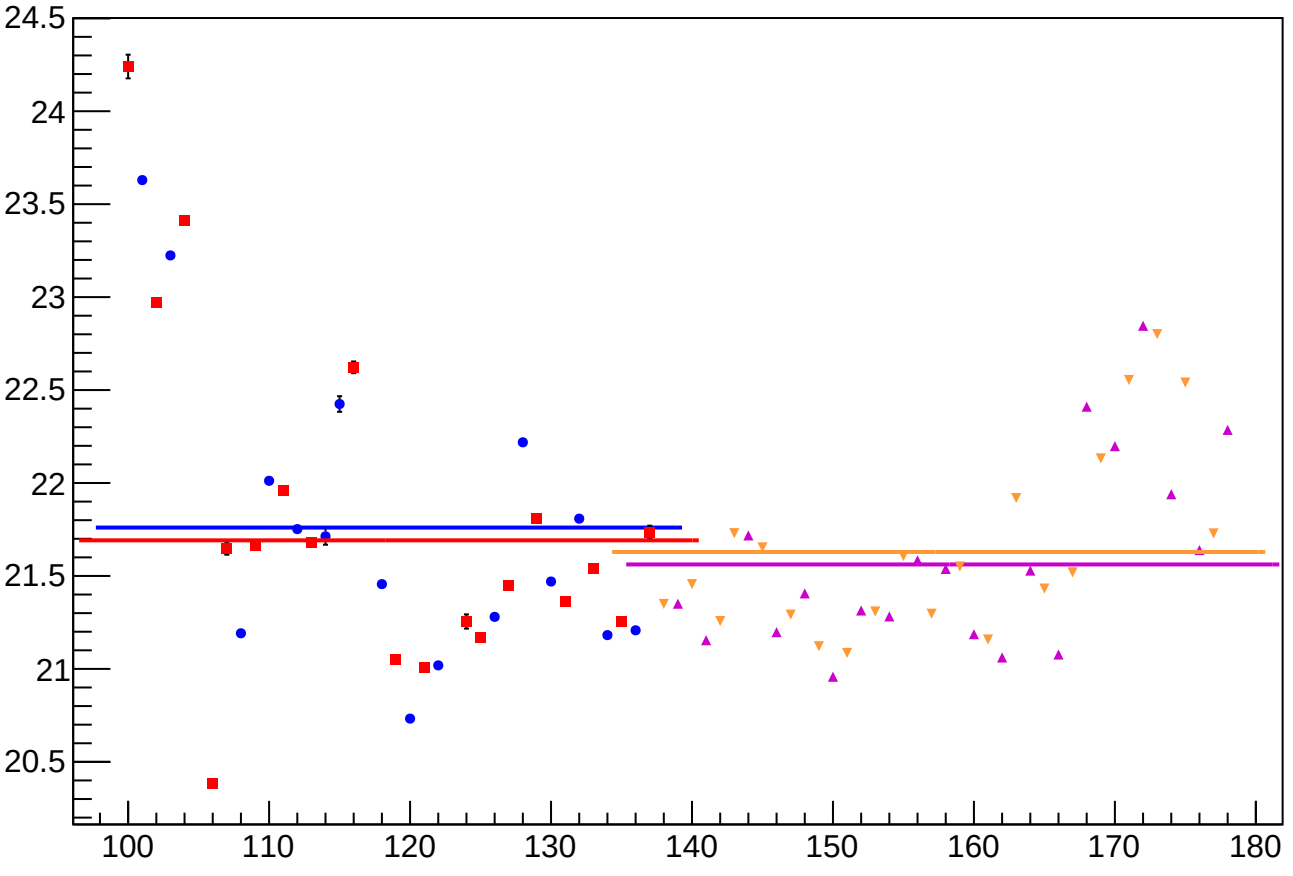
Right Out: 13.549+/-7.915 χ^2/NDF: 15.9/18

Left In: 4.722+/-5.336 χ^2/NDF:15.3/19

\+ sign -8.018+/-4.432 χ^2/NDF: 47.5/36

All: -0.256+/-3.131 χ^2/NDF: 85.7/75

\- sign 7.480+/-4.424 χ^2/NDF: 32.1/38



Right In: 21.760+/-0.006 χ^2/NDF: 19745.7/15

Left Out: 21.629+/-0.004 χ^2/NDF:15682.4/20

Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

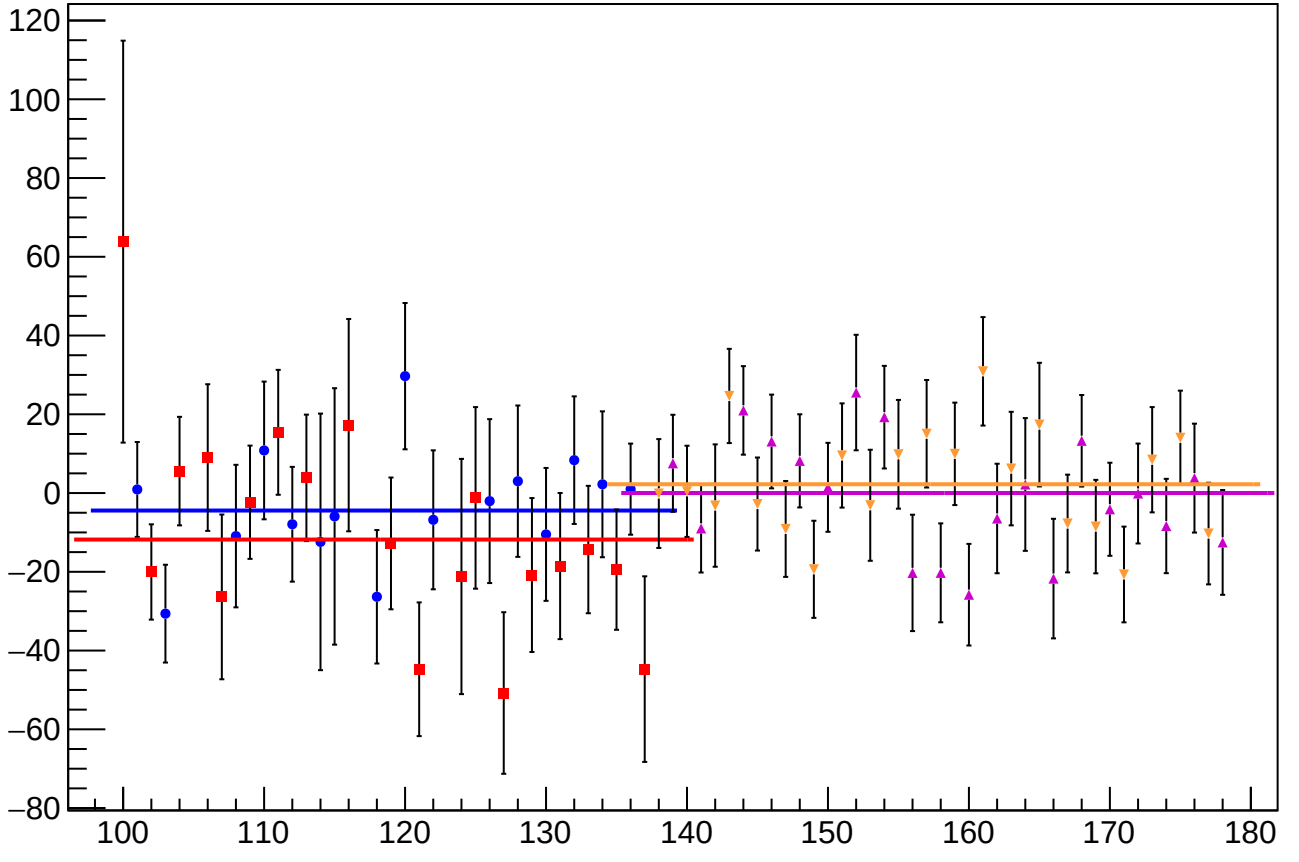
Left In: 21.562+/-0.004 χ^2/NDF:16766.4/19

+ sign 21.669+/-0.003 χ^2/NDF: 35796.0/36

All: 21.635+/-0.002 χ^2/NDF: 71485.3/75

- sign 21.602+/-0.003 χ^2/NDF: 35466.4/38

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 2.240+/-2.832 χ^2/NDF:22.3/20

Right Out: -11.807+/-4.097 χ^2/NDF: 21.7/18

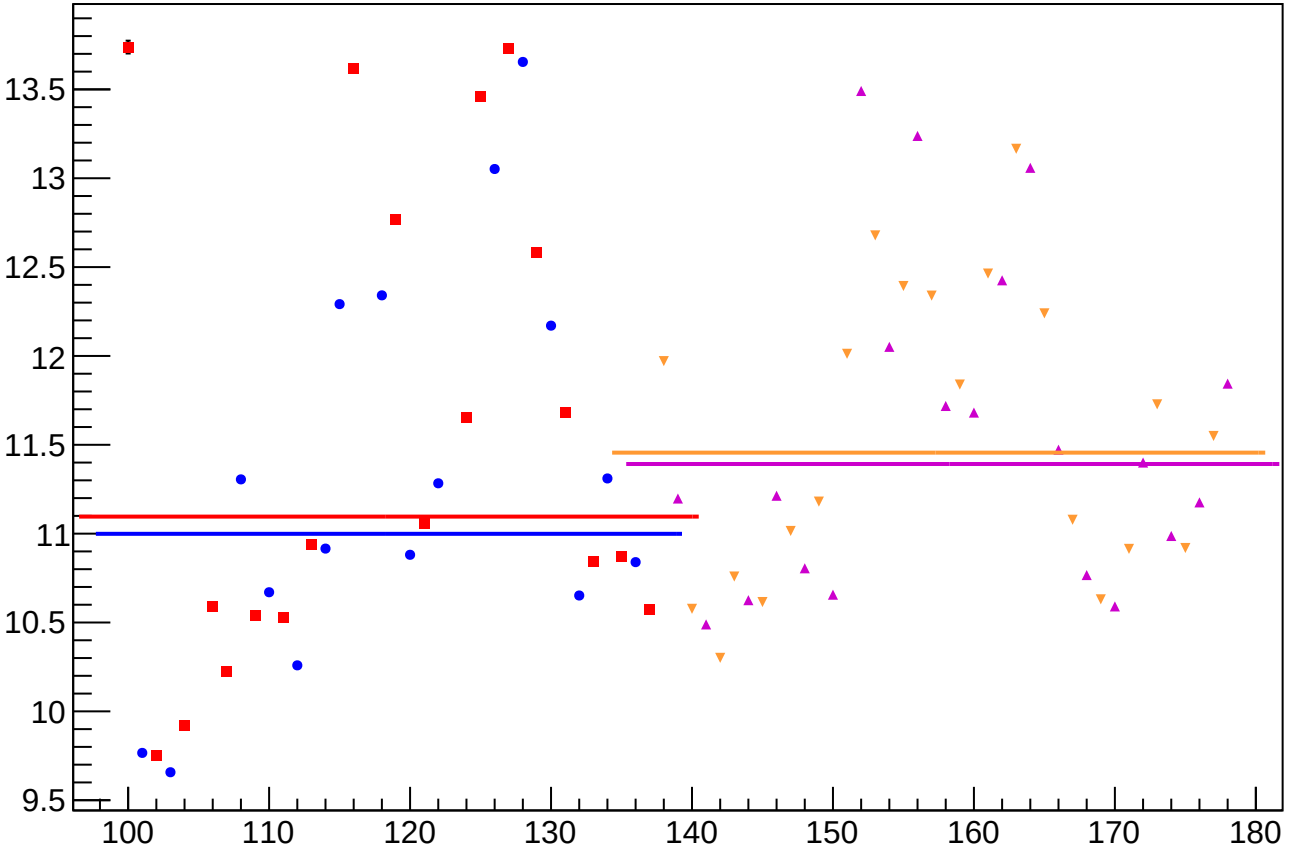
Left In: 0.009+/-2.844 χ^2/NDF:25.1/19

+ sign 0.104+/-2.336 χ^2/NDF: 36.0/36

All: -1.864+/-1.652 χ^2/NDF: 89.9/75

- sign -3.832+/-2.336 χ^2/NDF: 52.4/38

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.456+/-0.002 χ^2/NDF:148074.7/20

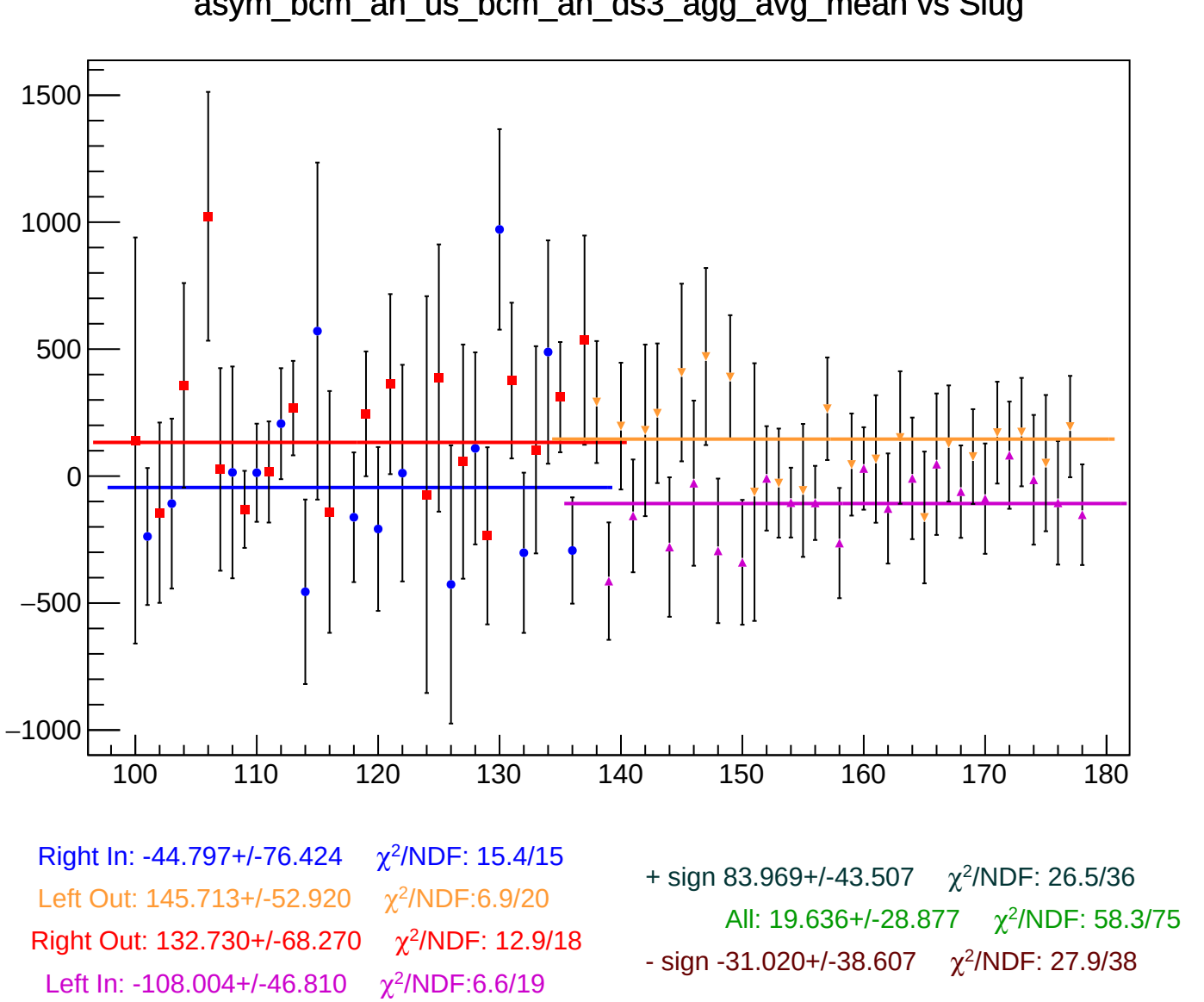
Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

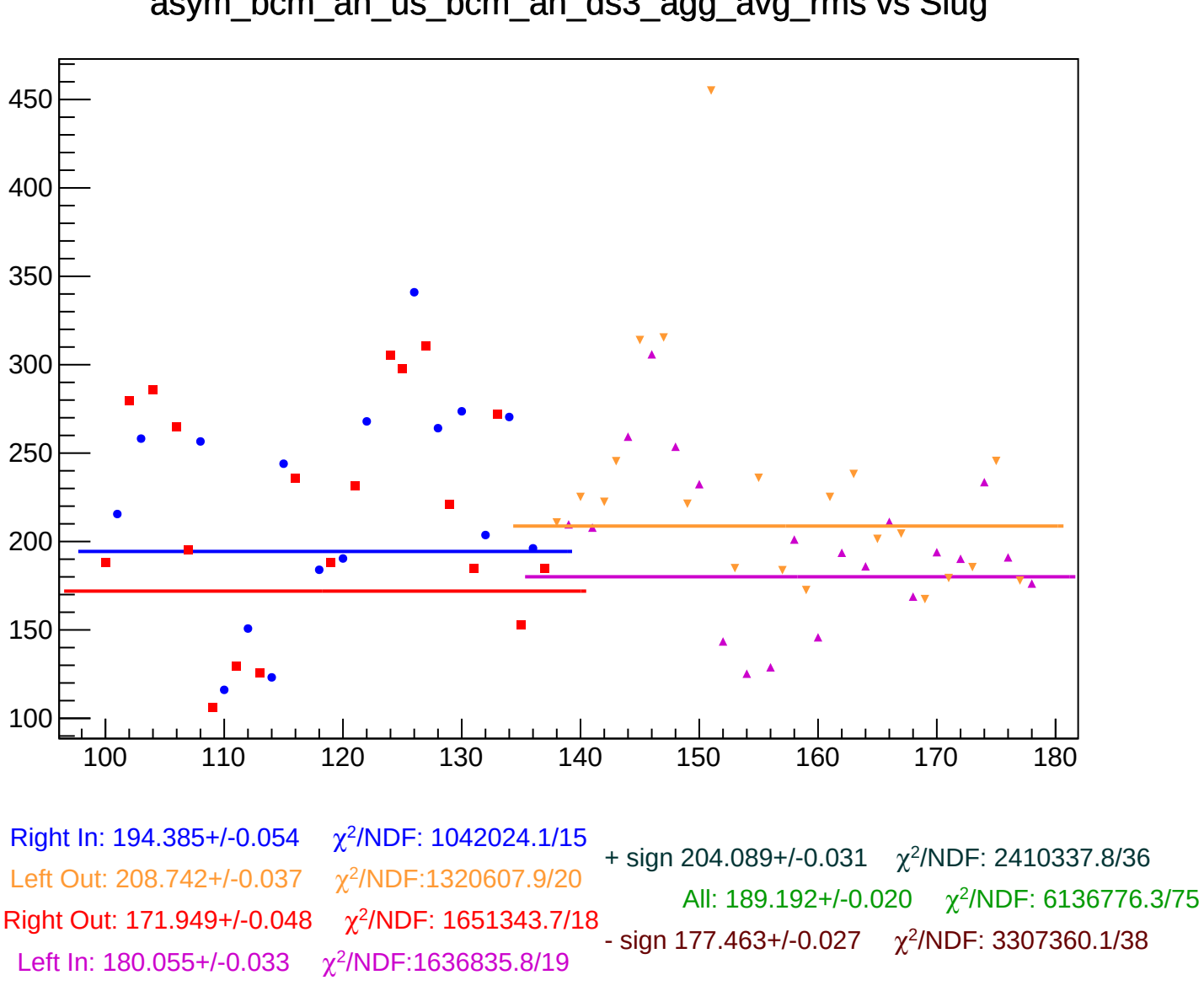
Left In: 11.392+/-0.002 χ^2/NDF:167034.3/19

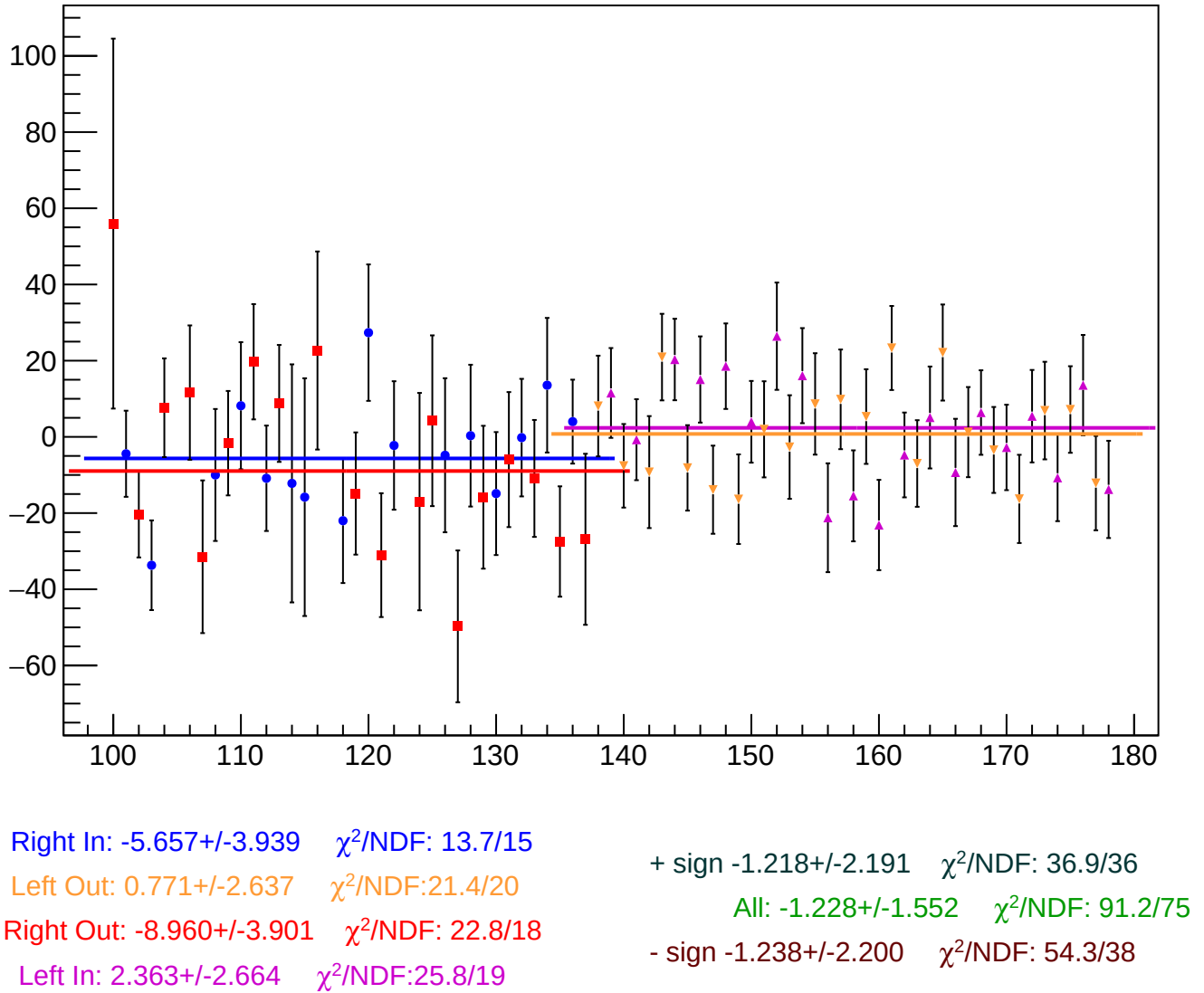
+ sign 11.310+/-0.002 χ^2/NDF: 300874.4/36

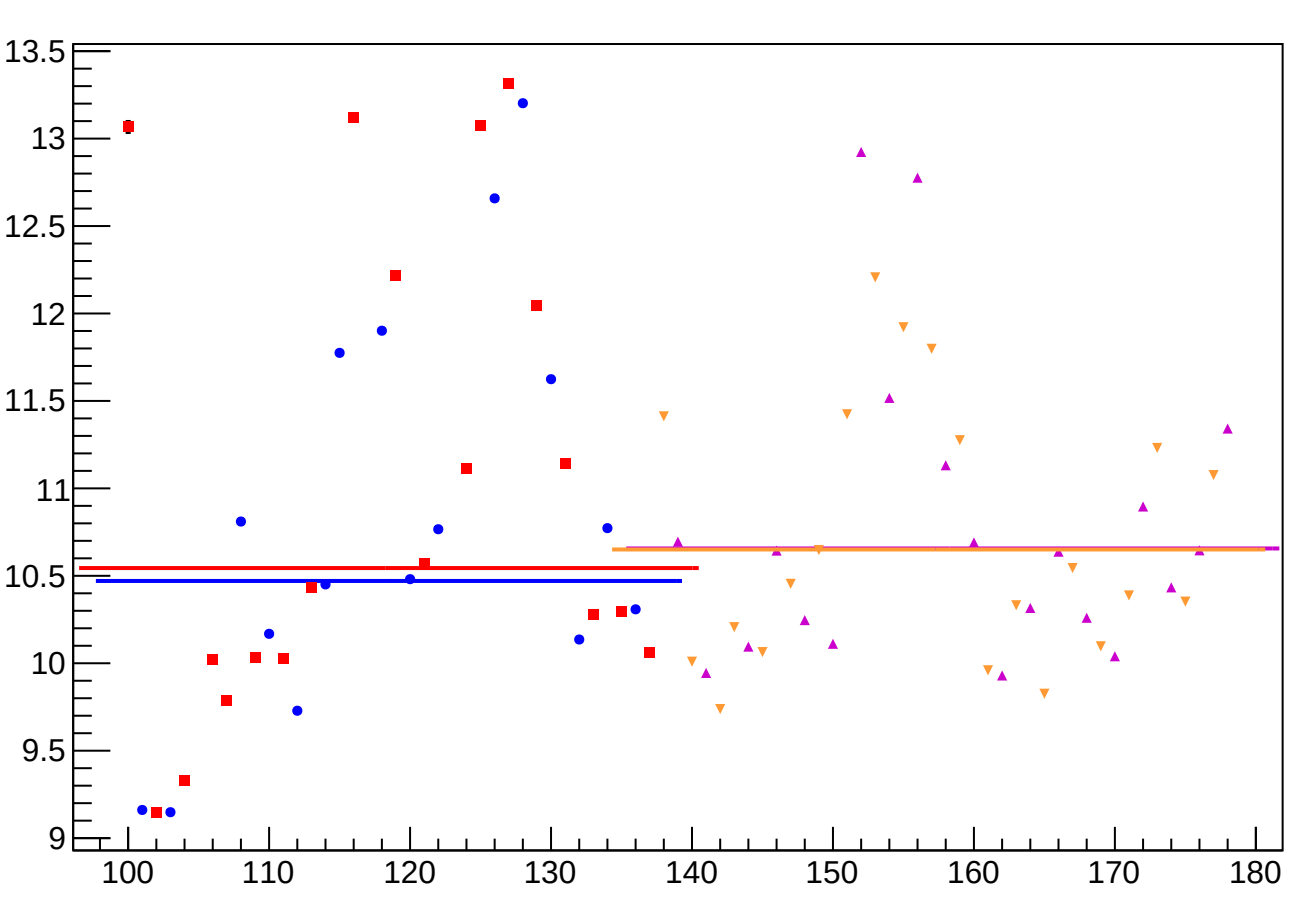
All: 11.303+/-0.001 χ^2/NDF: 637897.5/75

- sign 11.296+/-0.002 χ^2/NDF: 336986.8/38


asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
180
Right In: -44.797+/-76.424 χ²/NDF: 15.4/15
Left Out: 145.713+/-52.920 χ²/NDF:6.9/20
Right Out: 132.730+/-68.270 χ²/NDF: 12.9/18
Left In: -108.004+/-46.810 χ²/NDF:6.6/19
+ sign 83.969+/-43.507 χ²/NDF: 26.5/36
All: 19.636+/-28.877 χ²/NDF: 58.3/75
- sign -31.020+/-38.607 χ²/NDF: 27.9/38


asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug
450
400
350
300
250
200
150
100
100
110
120
130
140
150
160
170
180
Right In: 194.385+/-0.054 χ²/NDF: 1042024.1/15
Left Out: 208.742+/-0.037 χ²/NDF:1320607.9/20
Right Out: 171.949+/-0.048 χ²/NDF: 1651343.7/18
Left In: 180.055+/-0.033 χ²/NDF:1636835.8/19
+ sign 204.089+/-0.031 χ²/NDF: 2410337.8/36
All: 189.192+/-0.020 χ²/NDF: 6136776.3/75
- sign 177.463+/-0.027 χ²/NDF: 3307360.1/38


asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug
100
80
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
170
180
Right In: -5.657+/-3.939 χ²/NDF: 13.7/15
Left Out: 0.771+/-2.637 χ²/NDF:21.4/20
Right Out: -8.960+/-3.901 χ²/NDF: 22.8/18
Left In: 2.363+/-2.664 χ²/NDF:25.8/19
+ sign -1.218+/-2.191 χ²/NDF: 36.9/36
All: -1.228+/-1.552 χ²/NDF: 91.2/75
- sign -1.238+/-2.200 χ²/NDF: 54.3/38



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.651+/-0.002 χ^2/NDF:134533.3/20

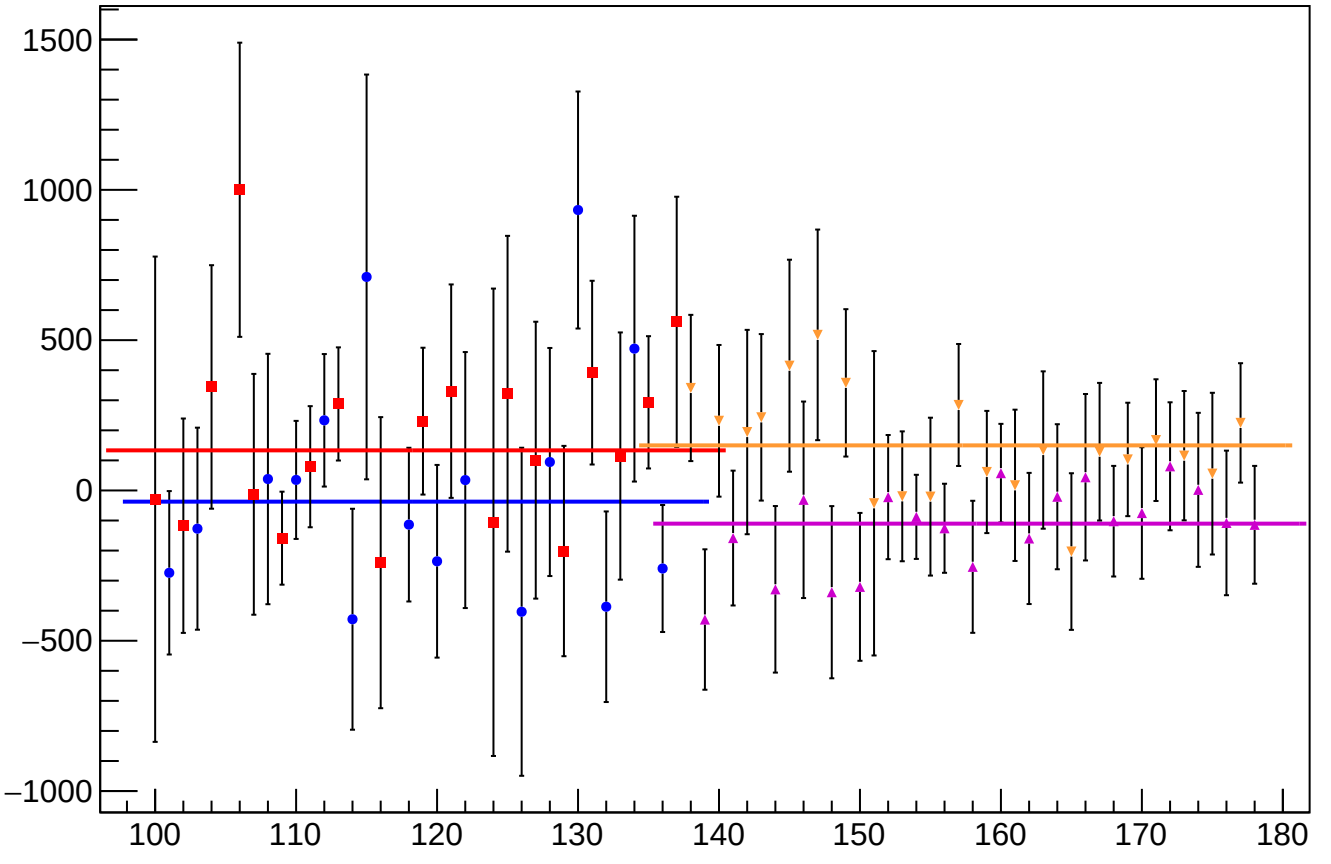
Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.656+/-0.002 χ^2/NDF:156706.1/19

+ sign 10.595+/-0.002 χ^2/NDF: 294783.2/36

All: 10.608+/-0.001 χ^2/NDF: 639534.6/75

- sign 10.621+/-0.002 χ^2/NDF: 344612.4/38



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 149.957+/-53.230 χ^2/NDF:7.5/20

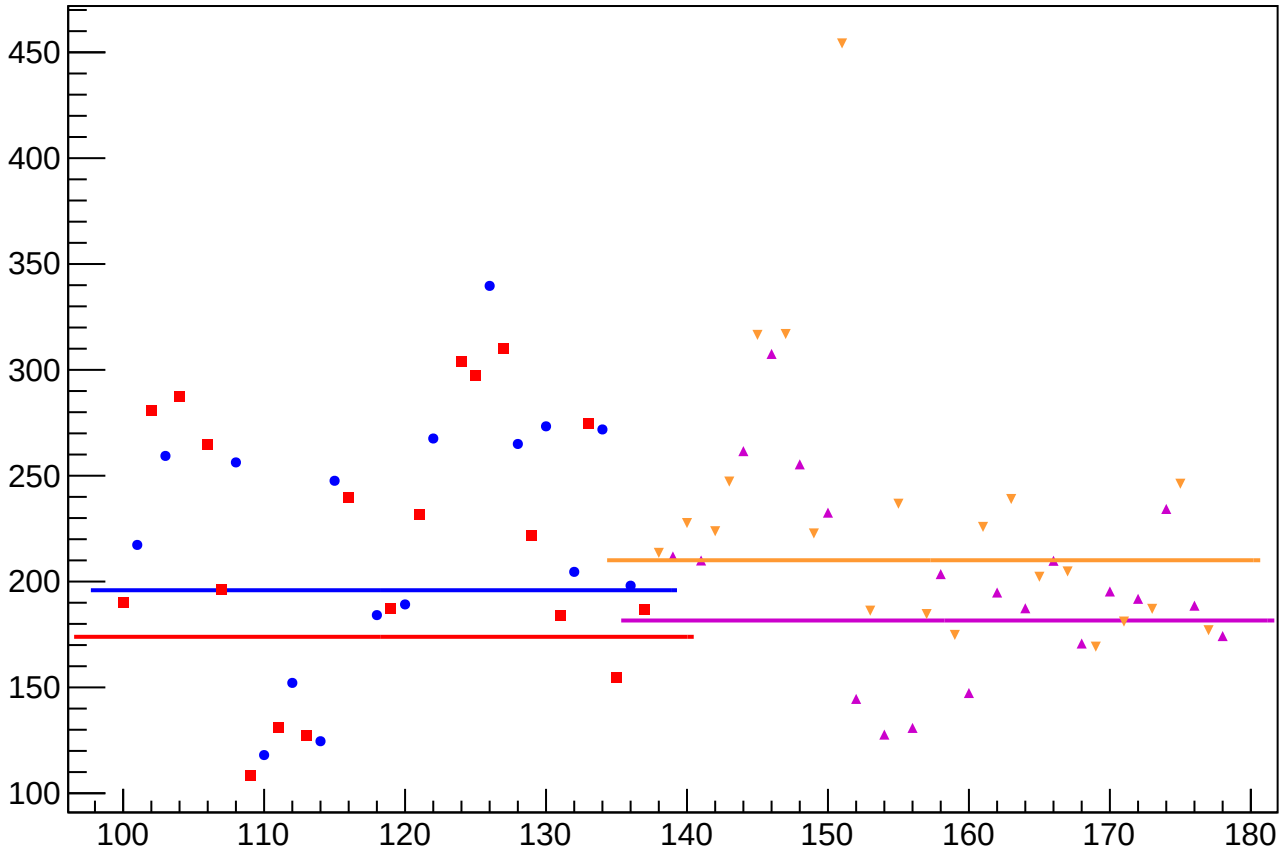
Right Out: 133.386+/-68.885 χ^2/NDF: 12.9/18

Left In: -110.432+/-47.161 χ^2/NDF:7.2/19

+ sign 89.334+/-43.770 χ^2/NDF: 27.2/36

All: 21.219+/-29.083 χ^2/NDF: 60.1/75

- sign -32.622+/-38.915 χ^2/NDF: 28.6/38



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 210.066+/-0.038 χ^2/NDF:1308764.9/20

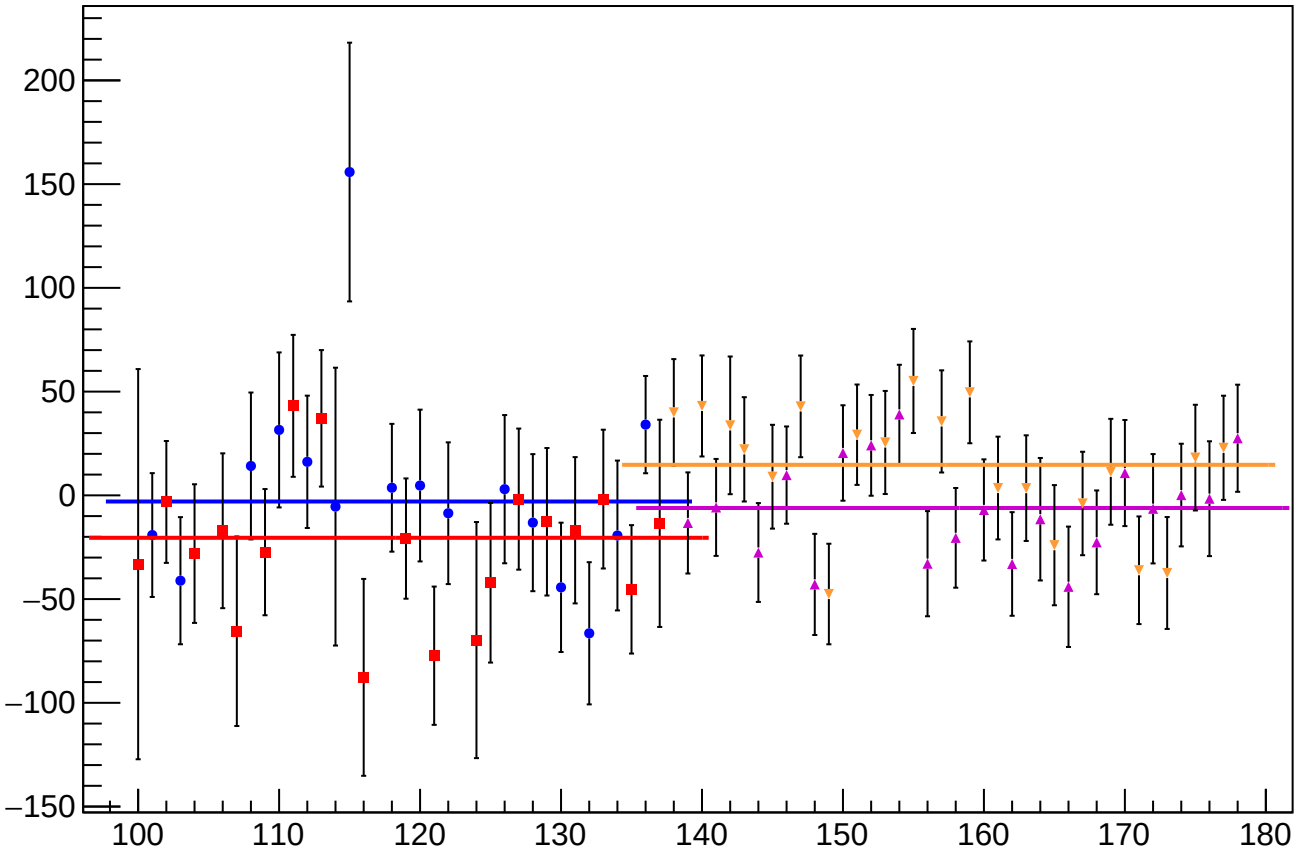
Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 181.606+/-0.033 χ^2/NDF:1588250.9/19

+ sign 205.478+/-0.031 χ^2/NDF: 2365653.1/36

All: 190.772+/-0.021 χ^2/NDF: 5974798.2/75

- sign 179.147+/-0.028 χ^2/NDF: 3204895.3/38



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 14.719+/-5.557 χ^2/NDF:27.1/20

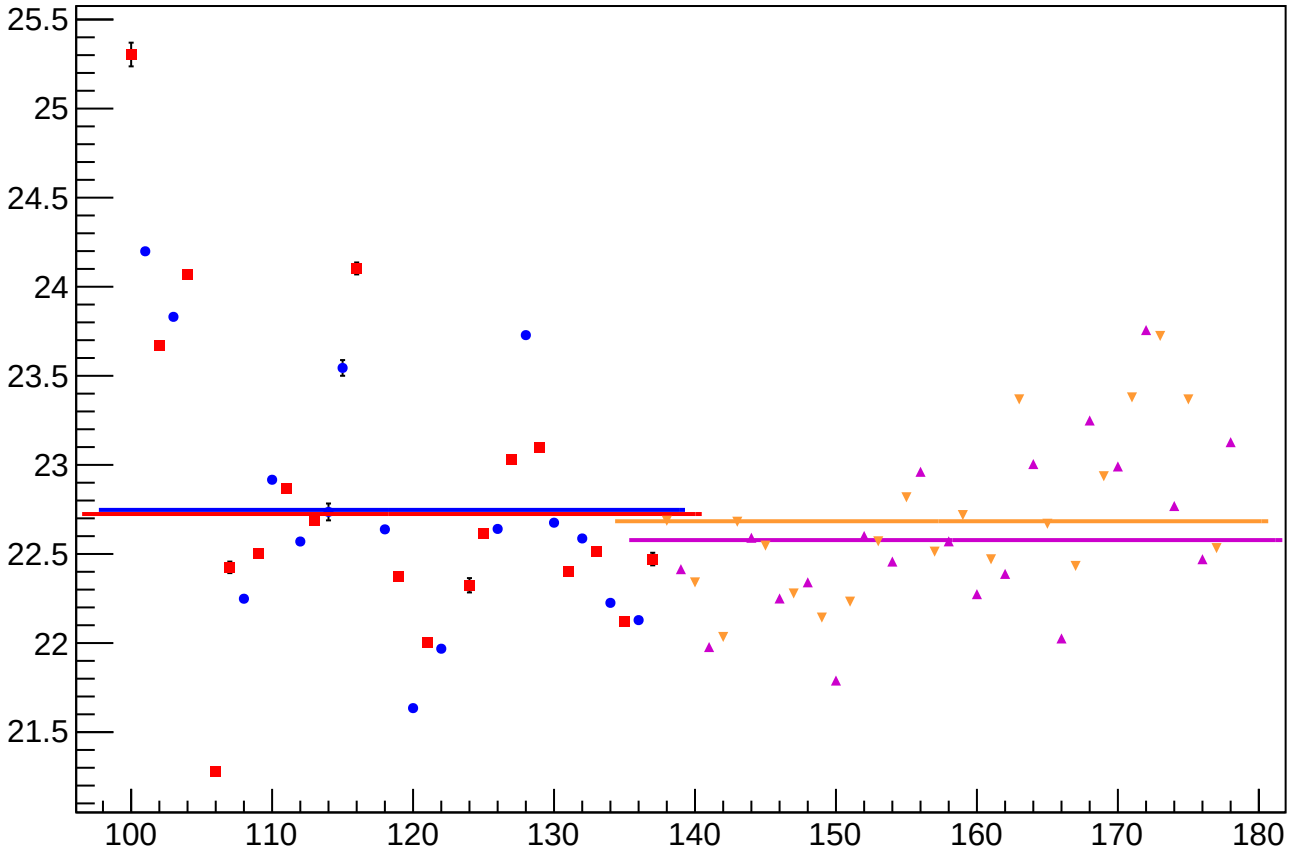
Right Out: -20.457+/-8.292 χ^2/NDF: 15.3/18

Left In: -6.098+/-5.587 χ^2/NDF:17.1/19

+ sign 9.383+/-4.644 χ^2/NDF: 48.1/36

All: -0.621+/-3.280 χ^2/NDF: 91.8/75

- sign -10.582+/-4.634 χ^2/NDF: 34.5/38



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.684+/-0.004 χ^2/NDF:11577.8/20

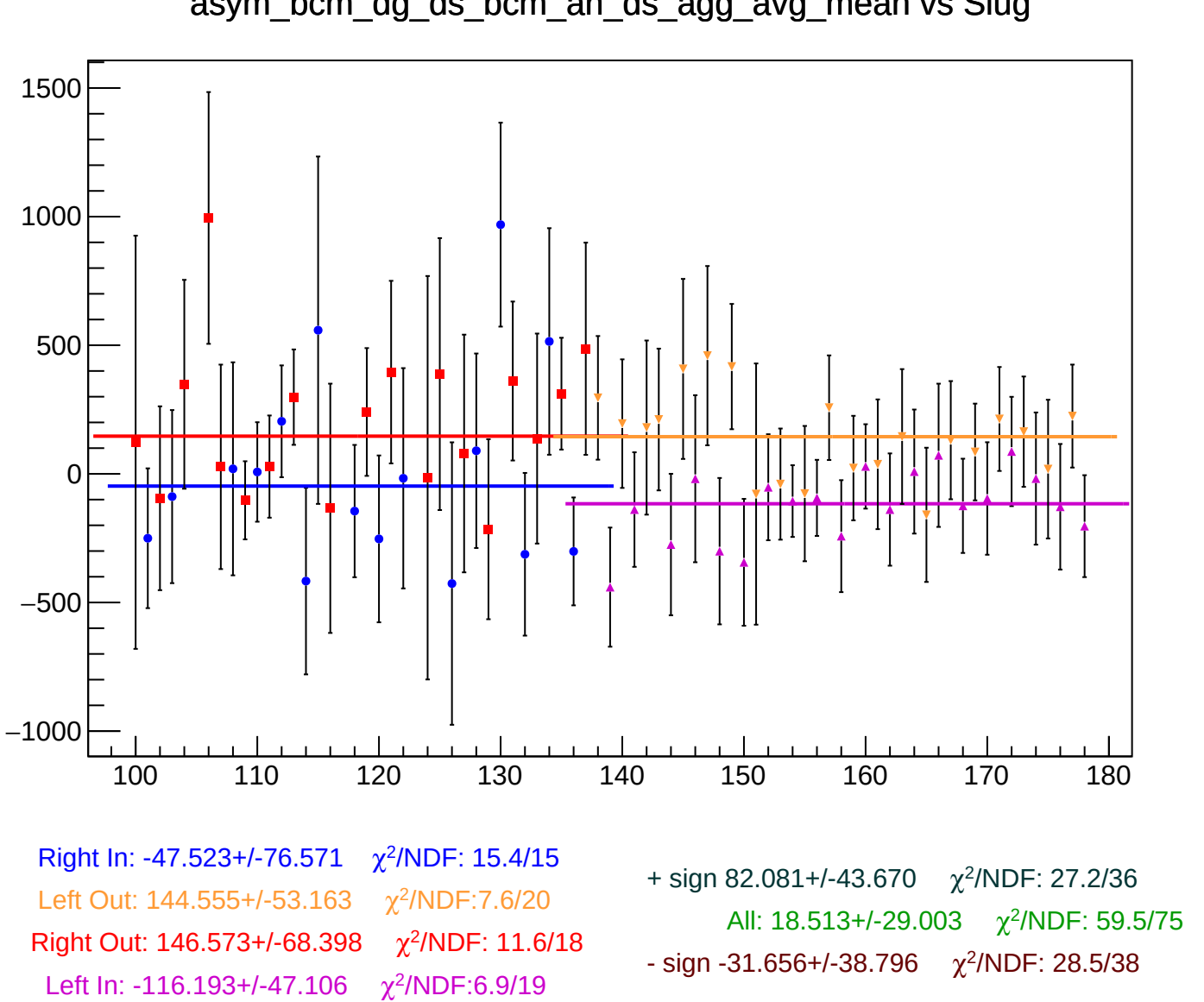
Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

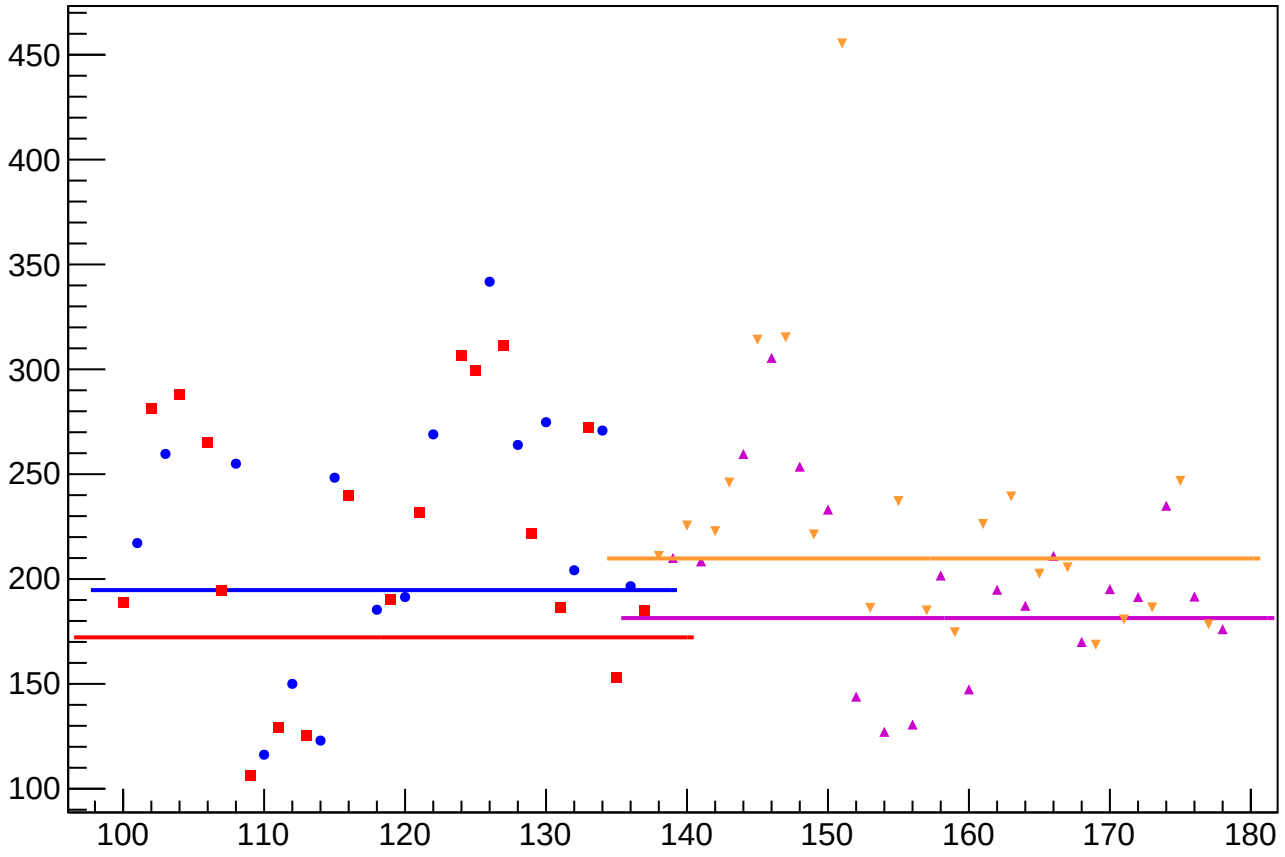
Left In: 22.578+/-0.004 χ^2/NDF:13440.5/19

+ sign 22.703+/-0.003 χ^2/NDF: 26279.9/36

All: 22.663+/-0.002 χ^2/NDF: 54932.1/75

- sign 22.624+/-0.003 χ^2/NDF: 28359.5/38


asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
180
Right In: -47.523+/-76.571 χ²/NDF: 15.4/15
Left Out: 144.555+/-53.163 χ²/NDF:7.6/20
Right Out: 146.573+/-68.398 χ²/NDF: 11.6/18
Left In: -116.193+/-47.106 χ²/NDF:6.9/19
+ sign 82.081+/-43.670 χ²/NDF: 27.2/36
All: 18.513+/-29.003 χ²/NDF: 59.5/75
- sign -31.656+/-38.796 χ²/NDF: 28.5/38



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 209.814+/-0.038 χ^2/NDF:1297728.4/20

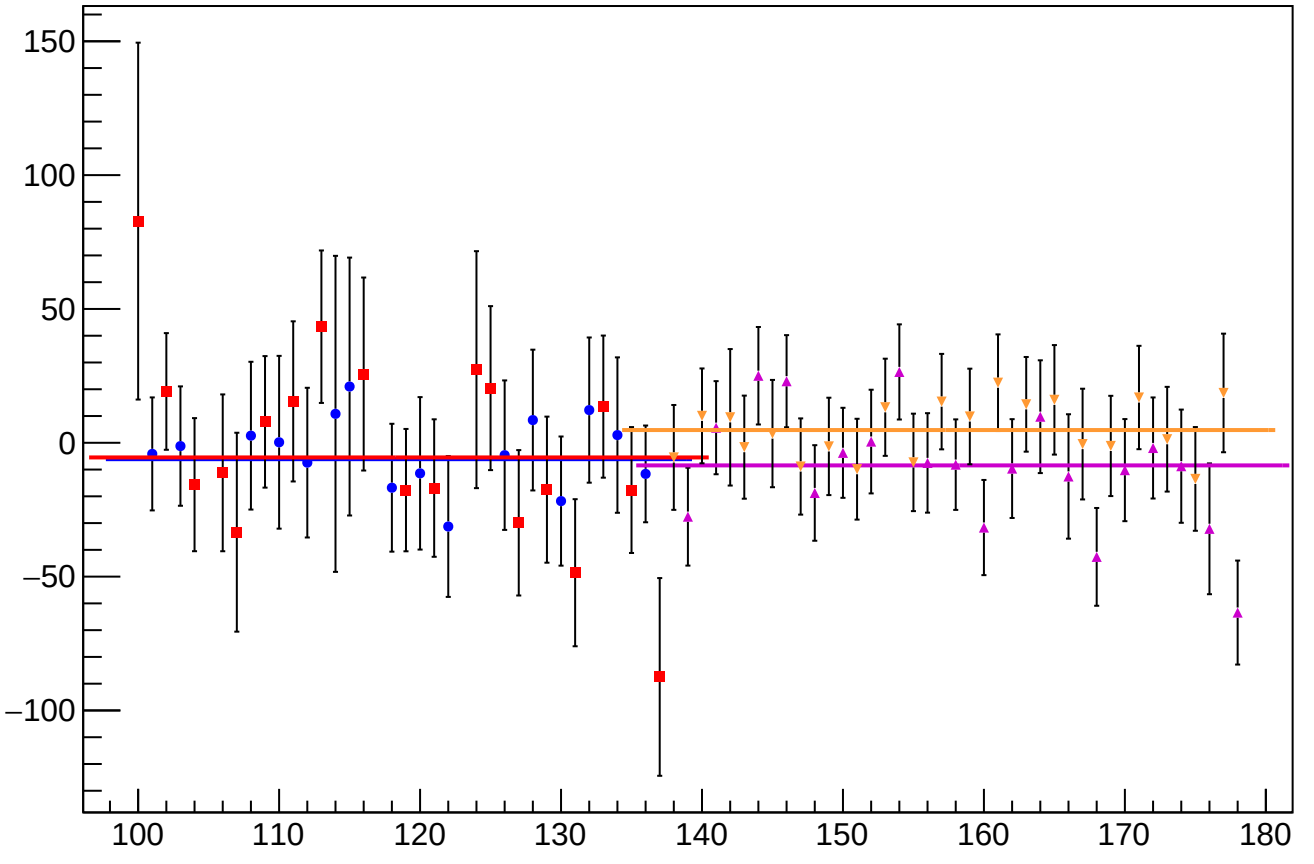
Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 181.382+/-0.033 χ^2/NDF:1582248.5/19

+ sign 204.901+/-0.031 χ^2/NDF: 2402539.9/36

All: 190.103+/-0.021 χ^2/NDF: 6091295.9/75

- sign 178.423+/-0.027 χ^2/NDF: 3277837.0/38



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 4.758+/-4.166 χ^2/NDF:6.3/20

Right Out: -5.470+/-6.509 χ^2/NDF: 19.2/18

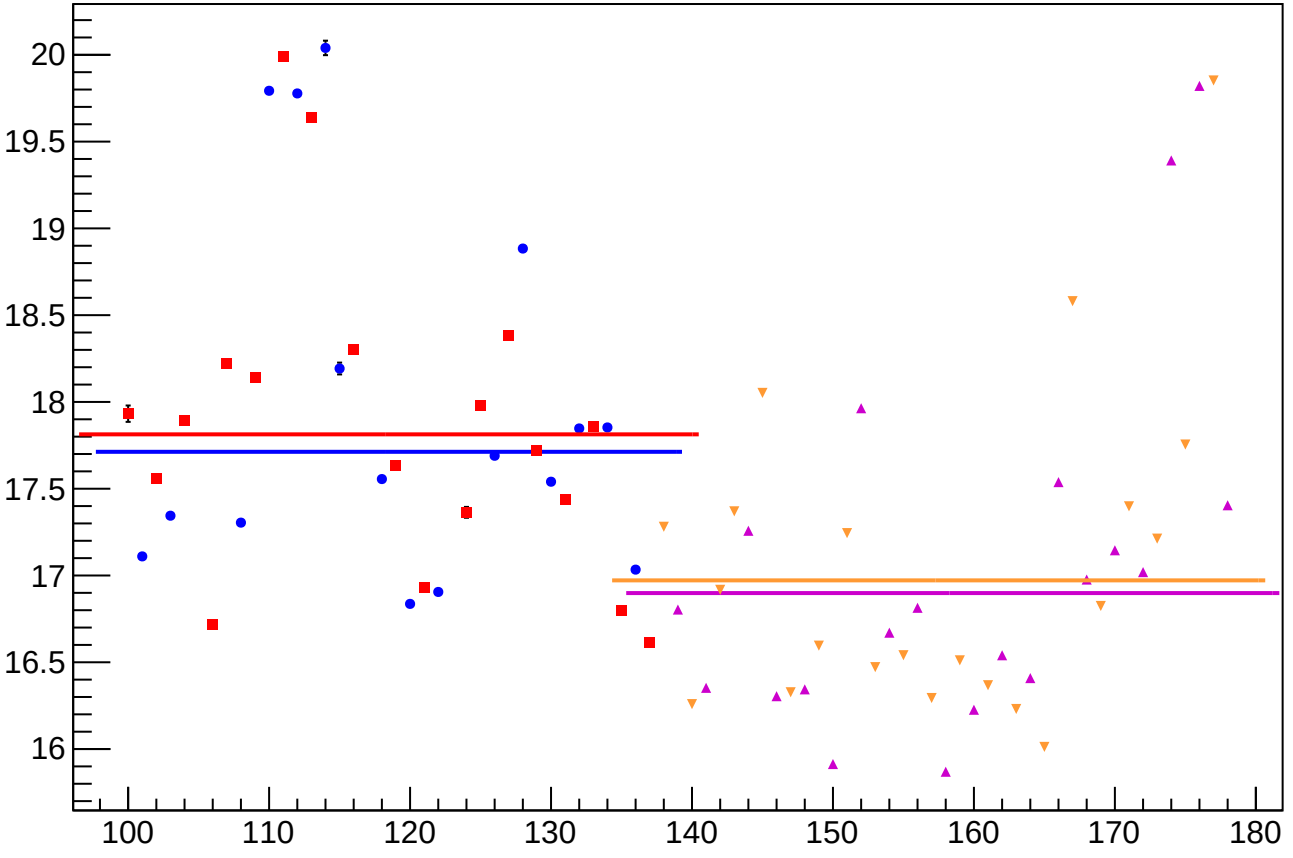
Left In: -8.446+/-4.192 χ^2/NDF:28.0/19

+ sign 1.654+/-3.522 χ^2/NDF: 11.4/36

All: -2.956+/-2.491 χ^2/NDF: 62.2/75

- sign -7.573+/-3.524 χ^2/NDF: 47.4/38

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.972+/-0.003 χ^2/NDF:81836.7/20

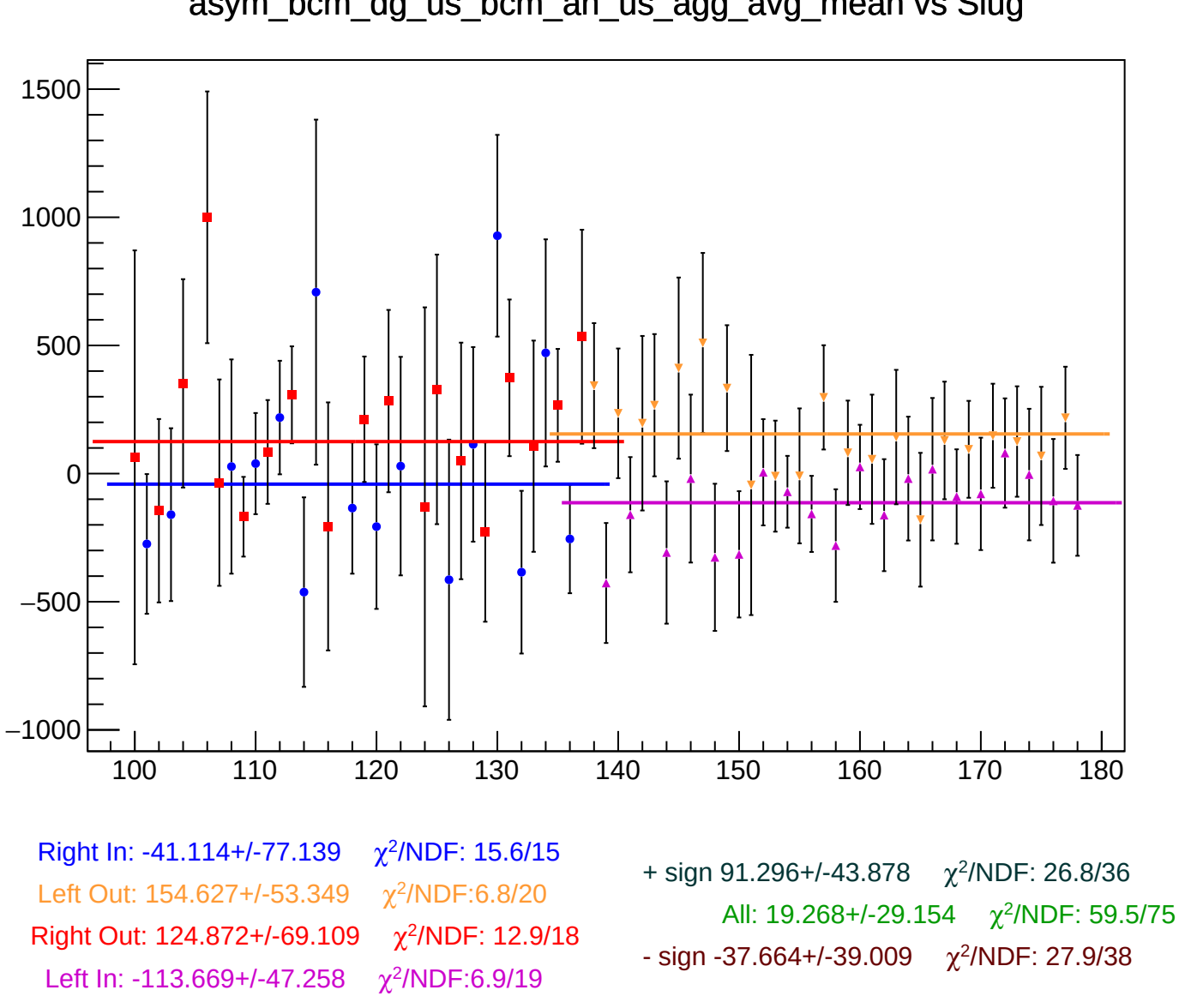
Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

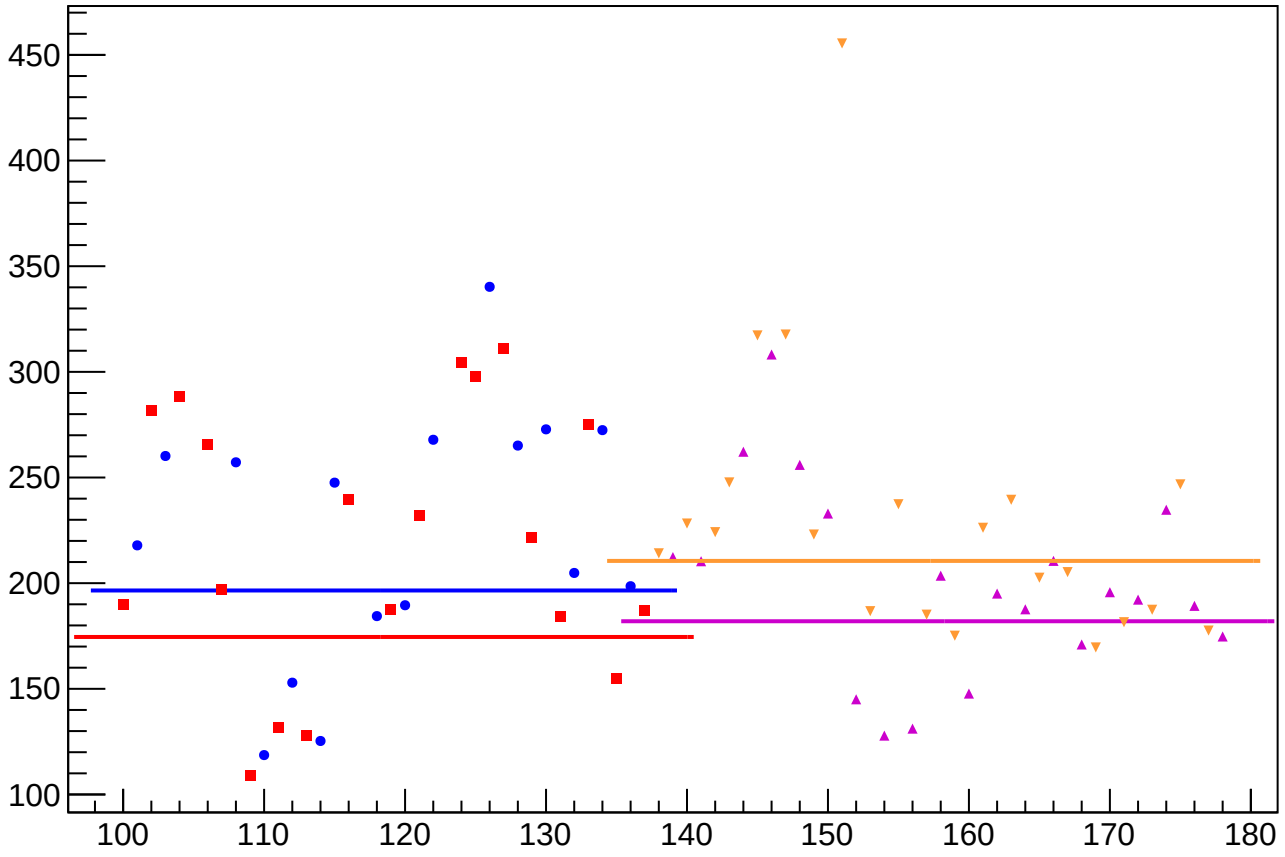
Left In: 16.899+/-0.003 χ^2/NDF:92225.0/19

+ sign 17.183+/-0.002 χ^2/NDF: 135865.9/36

All: 17.175+/-0.002 χ^2/NDF: 288734.7/75

- sign 17.167+/-0.002 χ^2/NDF: 152847.0/38


asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
180
Right In: -41.114+/-77.139 χ²/NDF: 15.6/15
Left Out: 154.627+/-53.349 χ²/NDF:6.8/20
Right Out: 124.872+/-69.109 χ²/NDF: 12.9/18
Left In: -113.669+/-47.258 χ²/NDF:6.9/19
+ sign 91.296+/-43.878 χ²/NDF: 26.8/36
All: 19.268+/-29.154 χ²/NDF: 59.5/75
- sign -37.664+/-39.009 χ²/NDF: 27.9/38



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 210.536+/-0.038 χ^2/NDF:1308473.5/20

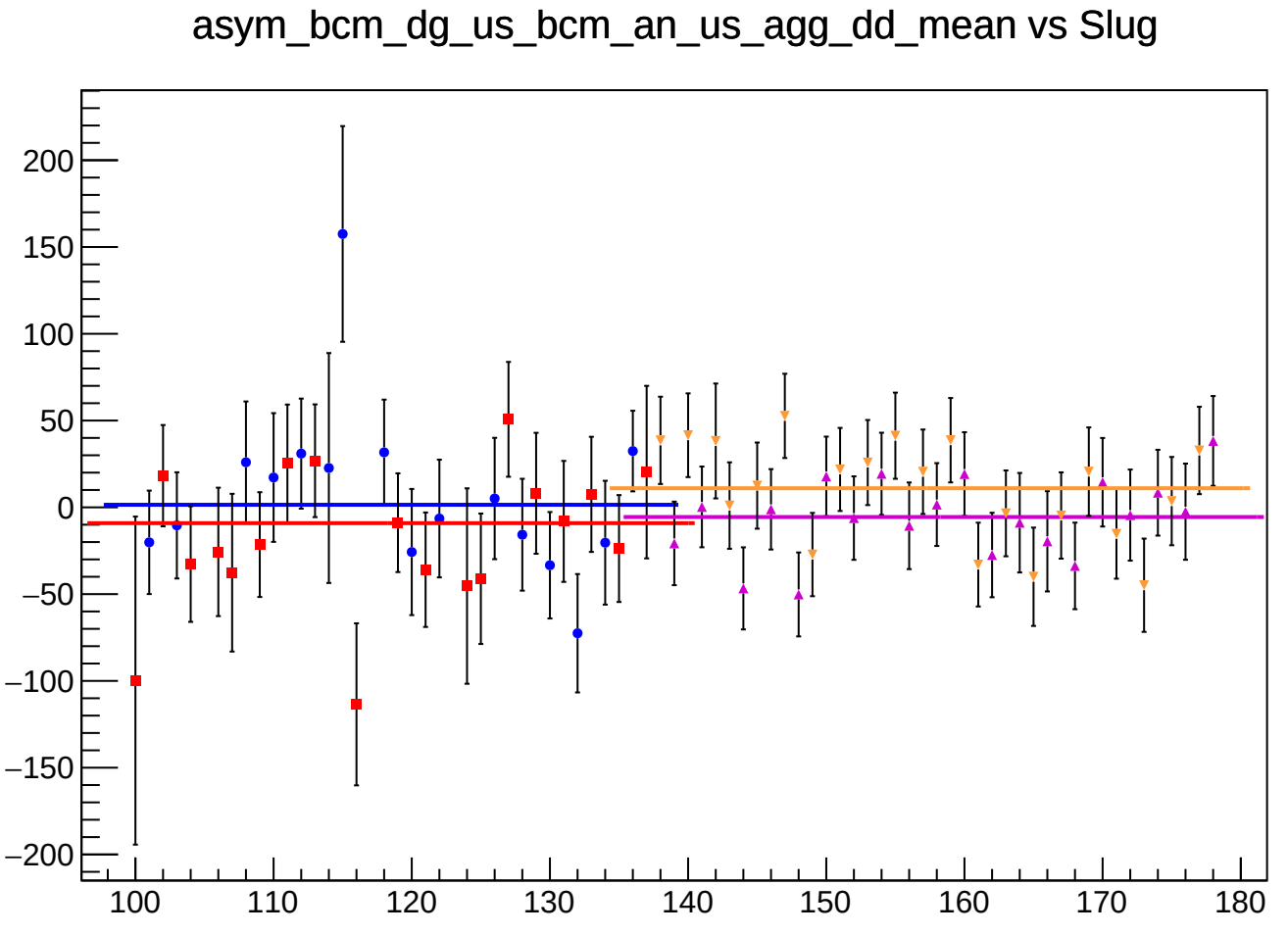
Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 181.980+/-0.033 χ^2/NDF:1588259.1/19

+ sign 206.008+/-0.031 χ^2/NDF: 2353765.7/36

All: 191.264+/-0.021 χ^2/NDF: 5950890.1/75

- sign 179.610+/-0.028 χ^2/NDF: 3192779.9/38



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 11.011+/-5.500 χ^2/NDF:26.3/20

Right Out: -9.113+/-8.198 χ^2/NDF: 16.5/18

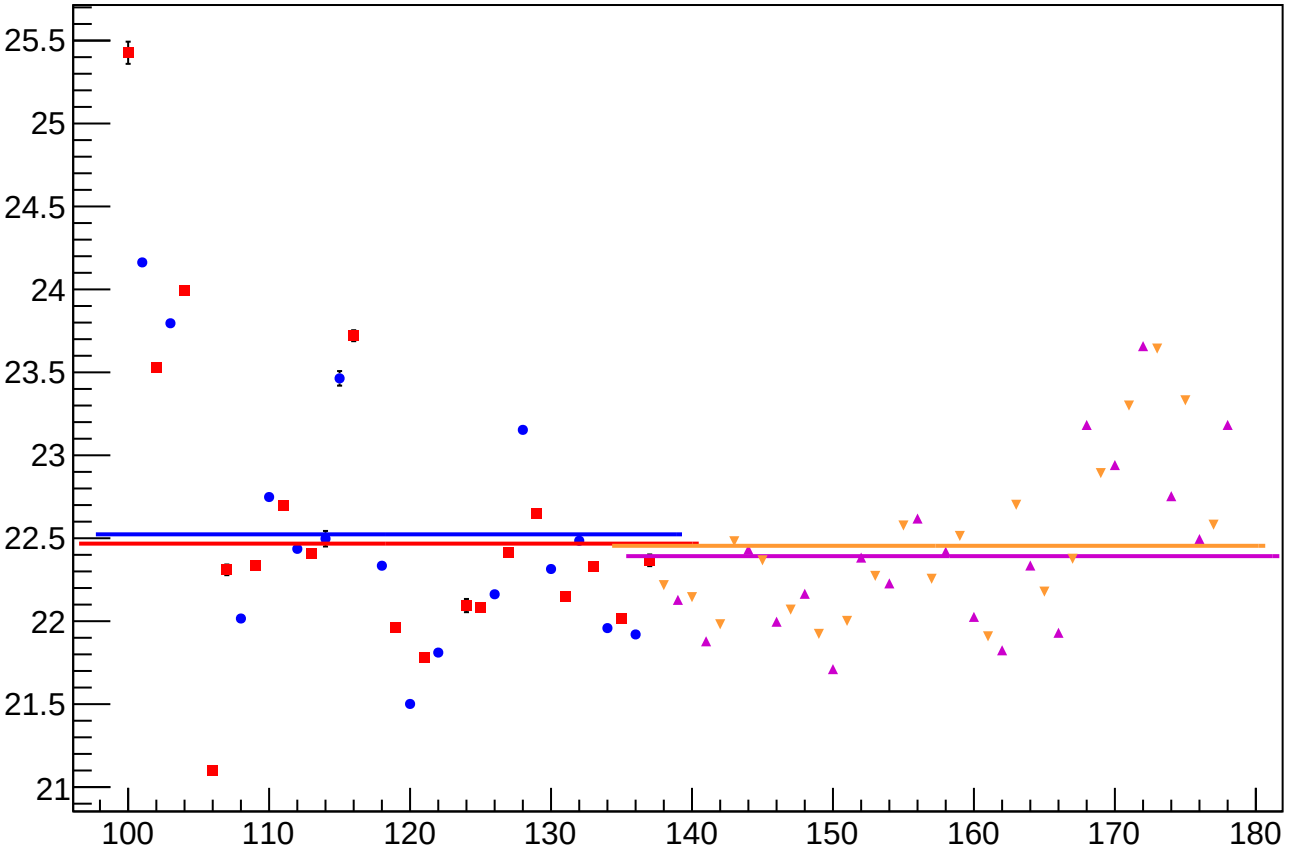
Left In: -5.583+/-5.541 χ^2/NDF:16.4/19

+ sign 8.135+/-4.597 χ^2/NDF: 45.9/36

All: 0.713+/-3.248 χ^2/NDF: 84.1/75

- sign -6.690+/-4.591 χ^2/NDF: 33.0/38

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: 22.454+/-0.004 χ^2/NDF:13948.5/20

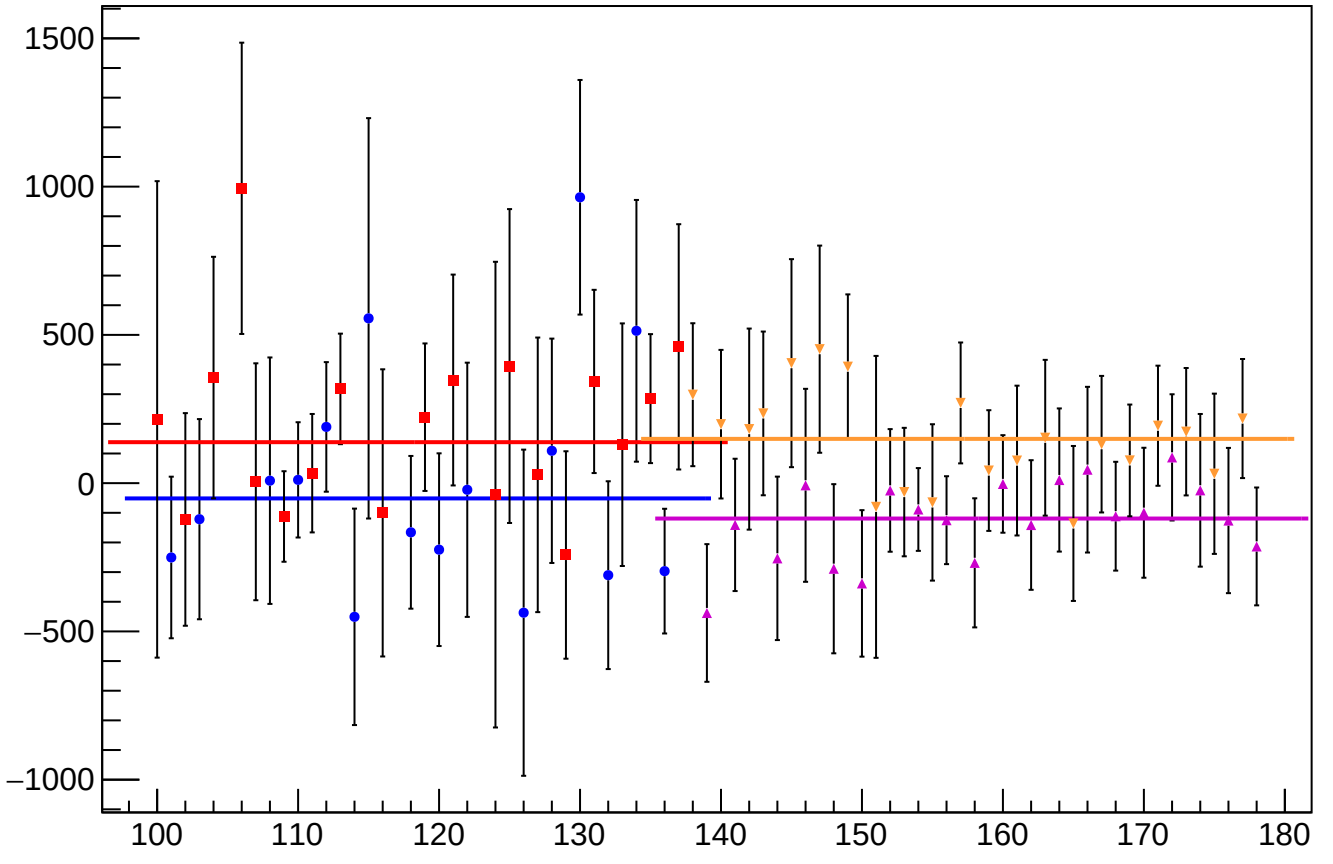
Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.392+/-0.004 χ^2/NDF:15991.4/19

+ sign 22.475+/-0.003 χ^2/NDF: 29991.6/36

All: 22.446+/-0.002 χ^2/NDF: 61893.4/75

- sign 22.416+/-0.003 χ^2/NDF: 31734.1/38



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 149.317+/-53.282 χ^2/NDF:6.8/20

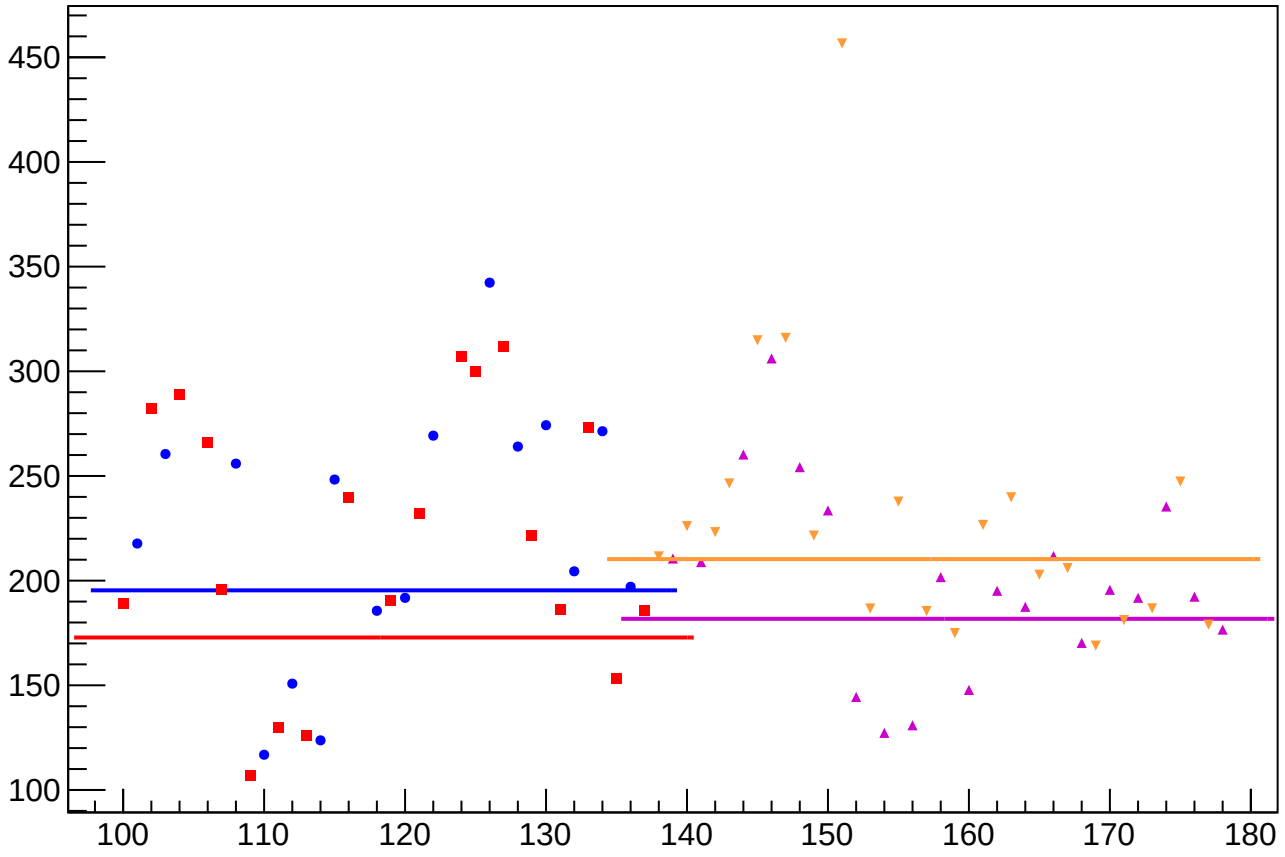
Right Out: 138.184+/-68.625 χ^2/NDF: 11.6/18

Left In: -119.348+/-47.203 χ^2/NDF:6.6/19

+ sign 84.066+/-43.778 χ^2/NDF: 26.7/36

All: 16.605+/-29.075 χ^2/NDF: 58.7/75

- sign -36.636+/-38.891 χ^2/NDF: 27.7/38



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 210.284+/-0.038 χ^2/NDF:1297456.2/20

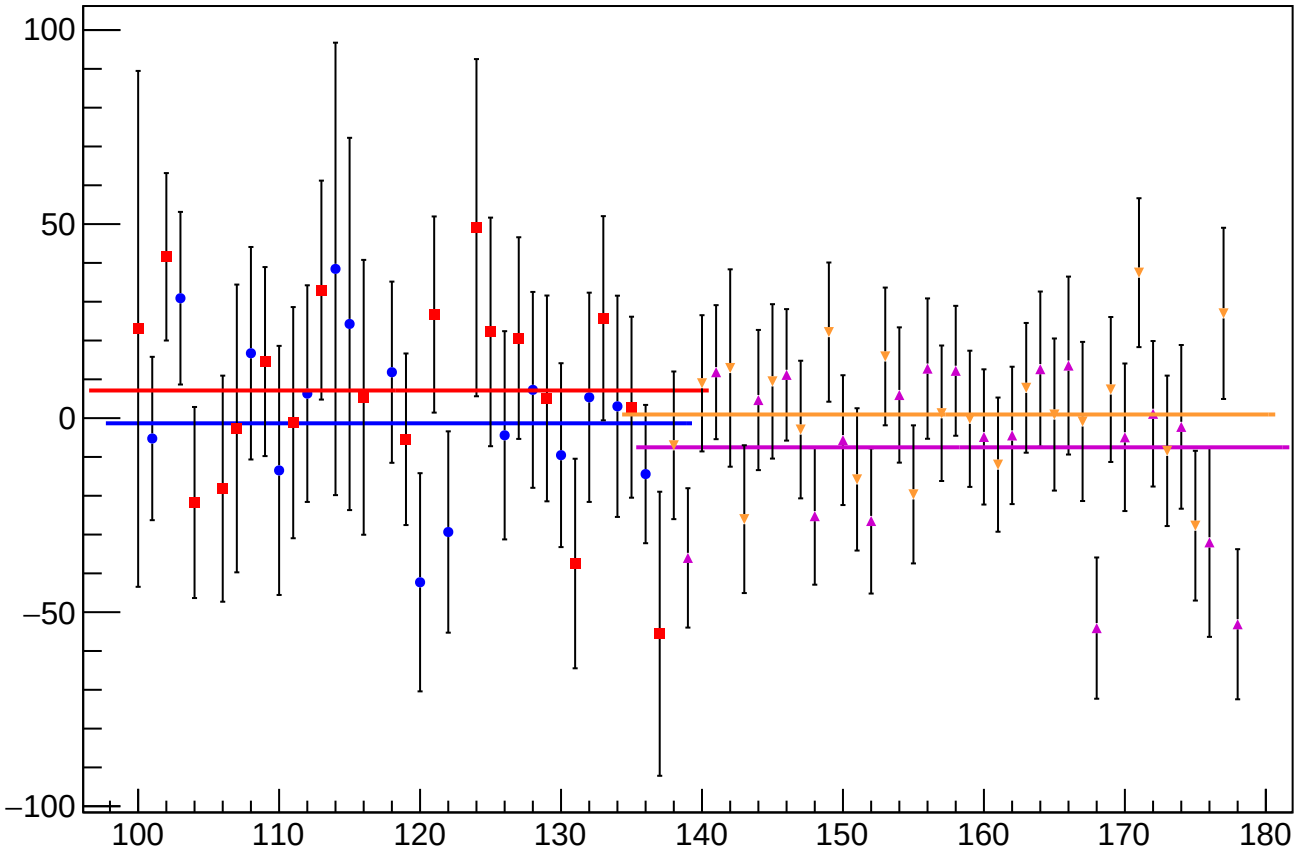
Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 181.753+/-0.033 χ^2/NDF:1582483.6/19

+ sign 205.435+/-0.031 χ^2/NDF: 2389864.1/36

All: 190.598+/-0.021 χ^2/NDF: 6065696.3/75

- sign 178.889+/-0.028 χ^2/NDF: 3264829.5/38



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 0.942+/-4.087 χ^2/NDF:15.4/20

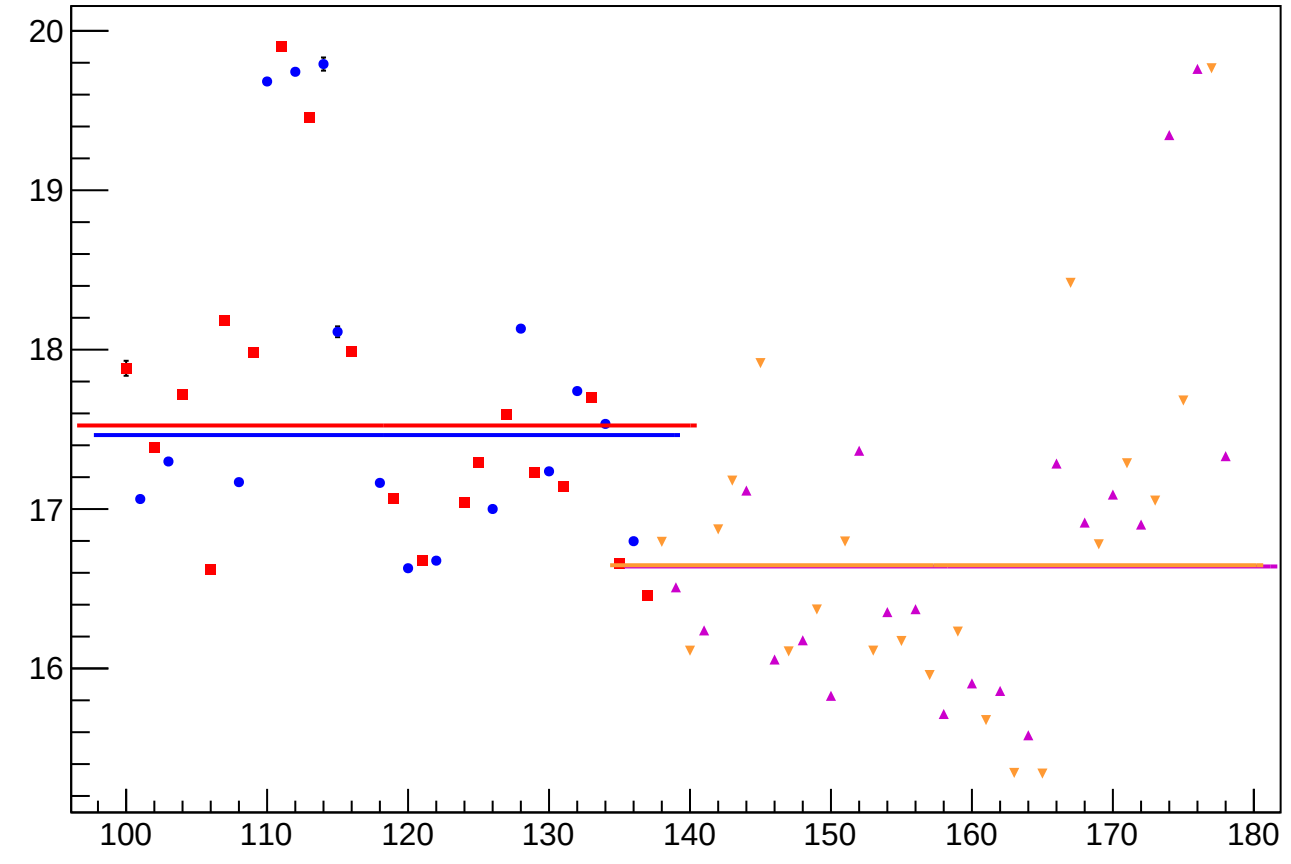
Right Out: 7.126+/-6.402 χ^2/NDF: 14.4/18

Left In: -7.516+/-4.128 χ^2/NDF:26.1/19

+ sign 0.298+/-3.460 χ^2/NDF: 23.6/36

All: -1.454+/-2.450 χ^2/NDF: 68.2/75

- sign -3.216+/-3.469 χ^2/NDF: 44.2/38



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.648+/-0.003 χ^2/NDF:112977.0/20

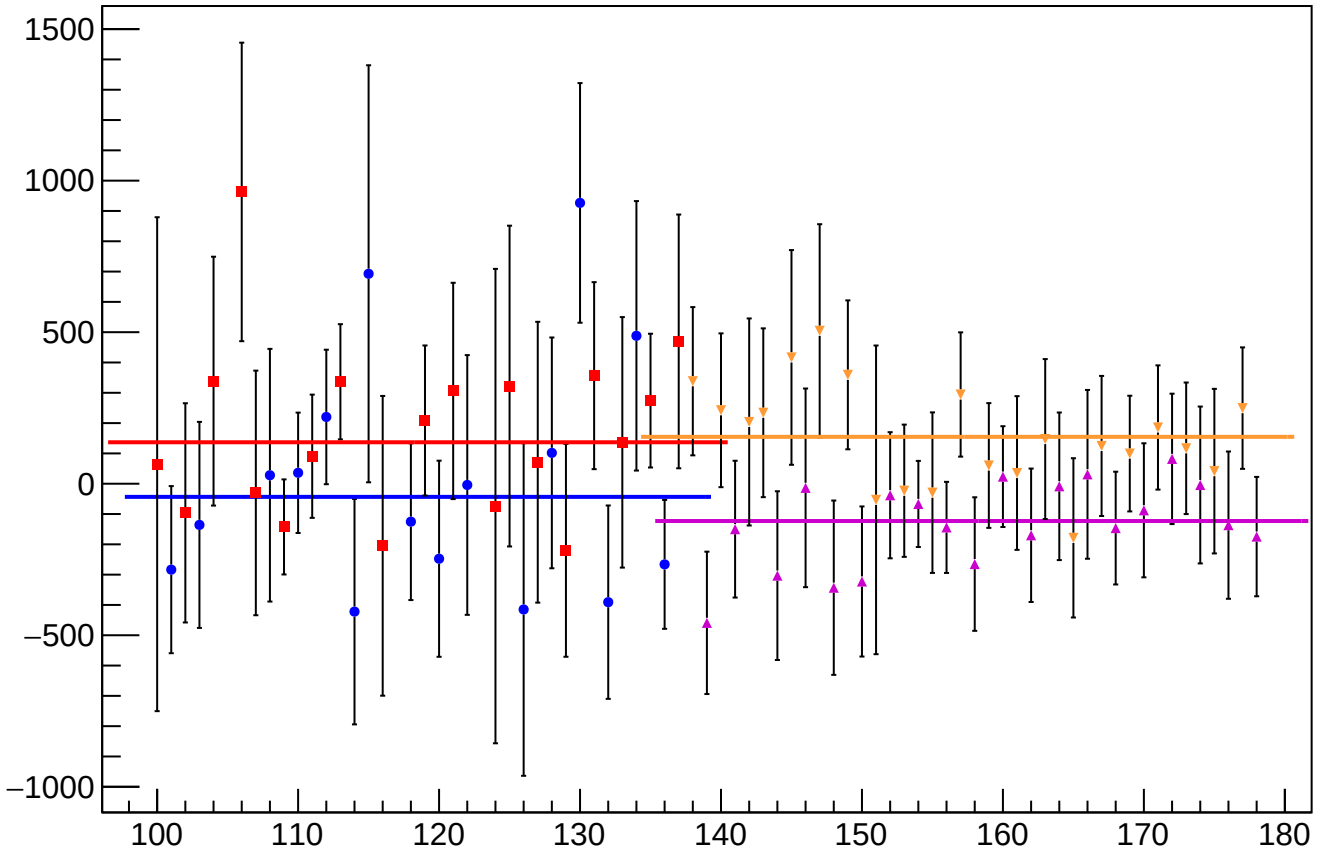
Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.640+/-0.003 χ^2/NDF:106070.4/19

\+ sign 16.879+/-0.002 χ^2/NDF: 172258.3/36

All: 16.889+/-0.002 χ^2/NDF: 340059.3/75

\- sign 16.900+/-0.002 χ^2/NDF: 167765.9/38



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 154.678+/-53.691 χ^2/NDF:7.4/20

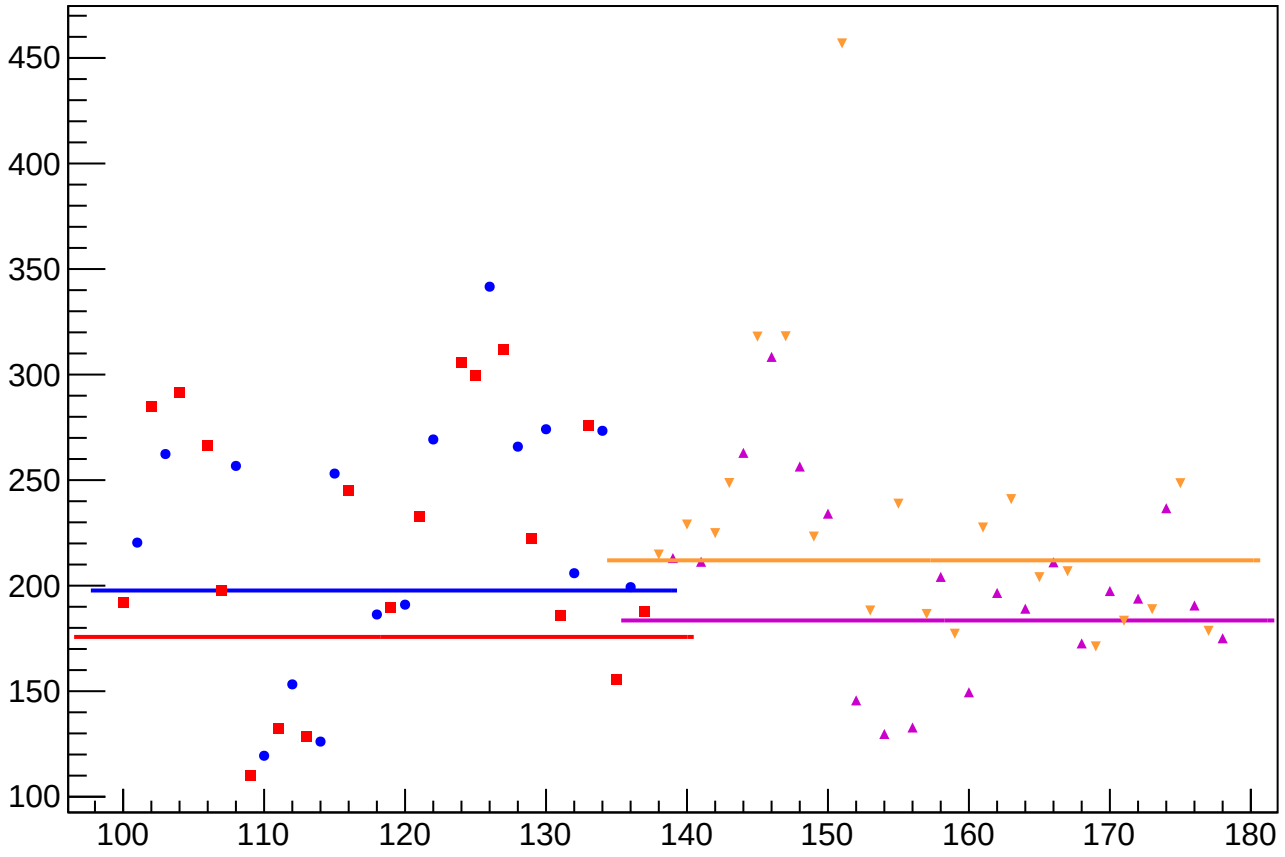
Right Out: 136.778+/-69.557 χ^2/NDF: 11.5/18

Left In: -123.077+/-47.618 χ^2/NDF:7.2/19

+ sign 90.540+/-44.150 χ^2/NDF: 27.2/36

All: 17.611+/-29.352 χ^2/NDF: 60.3/75

- sign -40.153+/-39.293 χ^2/NDF: 28.2/38



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 211.994+/-0.038 χ^2/NDF:1285821.7/20

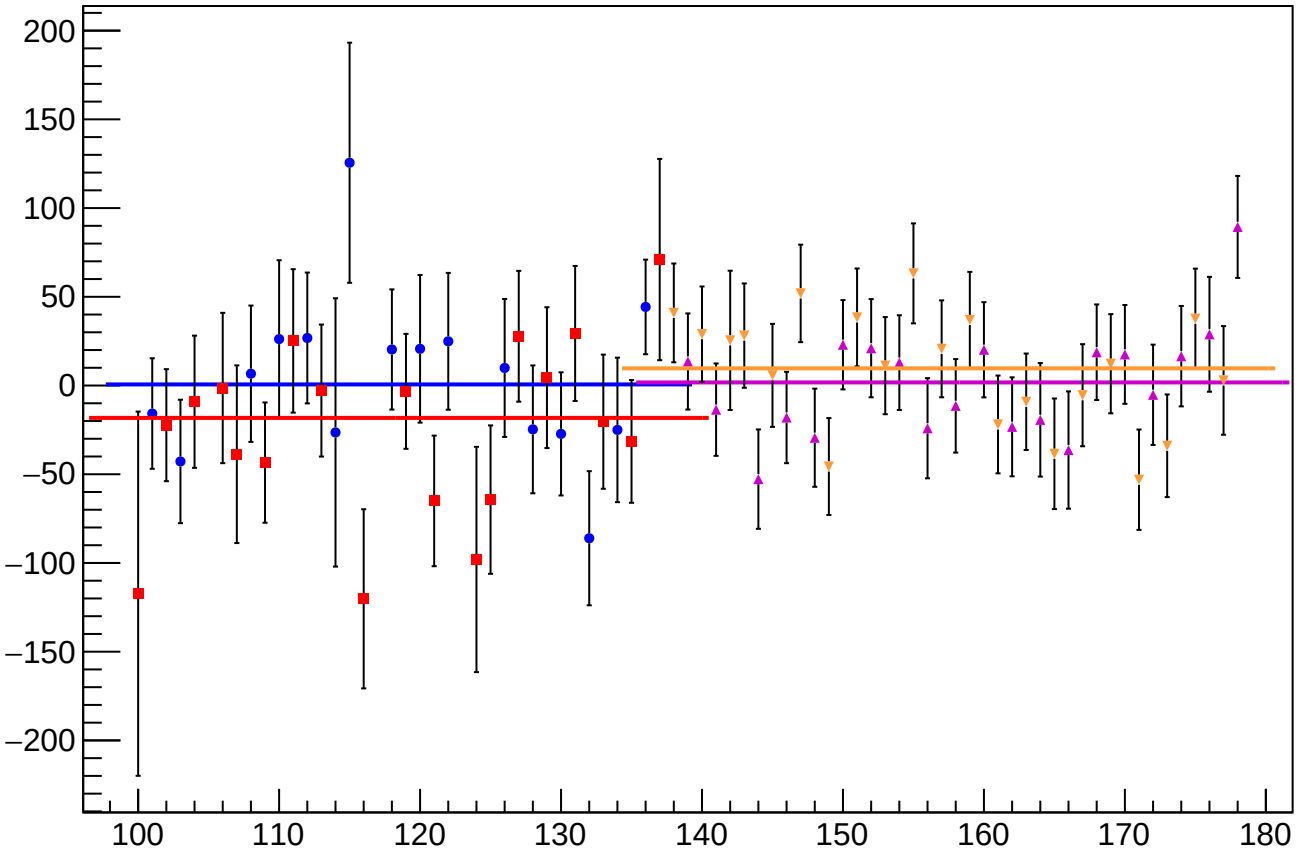
Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 183.516+/-0.034 χ^2/NDF:1545520.3/19

+ sign 207.368+/-0.031 χ^2/NDF: 2332005.3/36

All: 192.669+/-0.021 χ^2/NDF: 5882479.2/75

- sign 181.027+/-0.028 χ^2/NDF: 3153204.9/38



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 9.690+/-6.213 χ^2/NDF:27.4/20

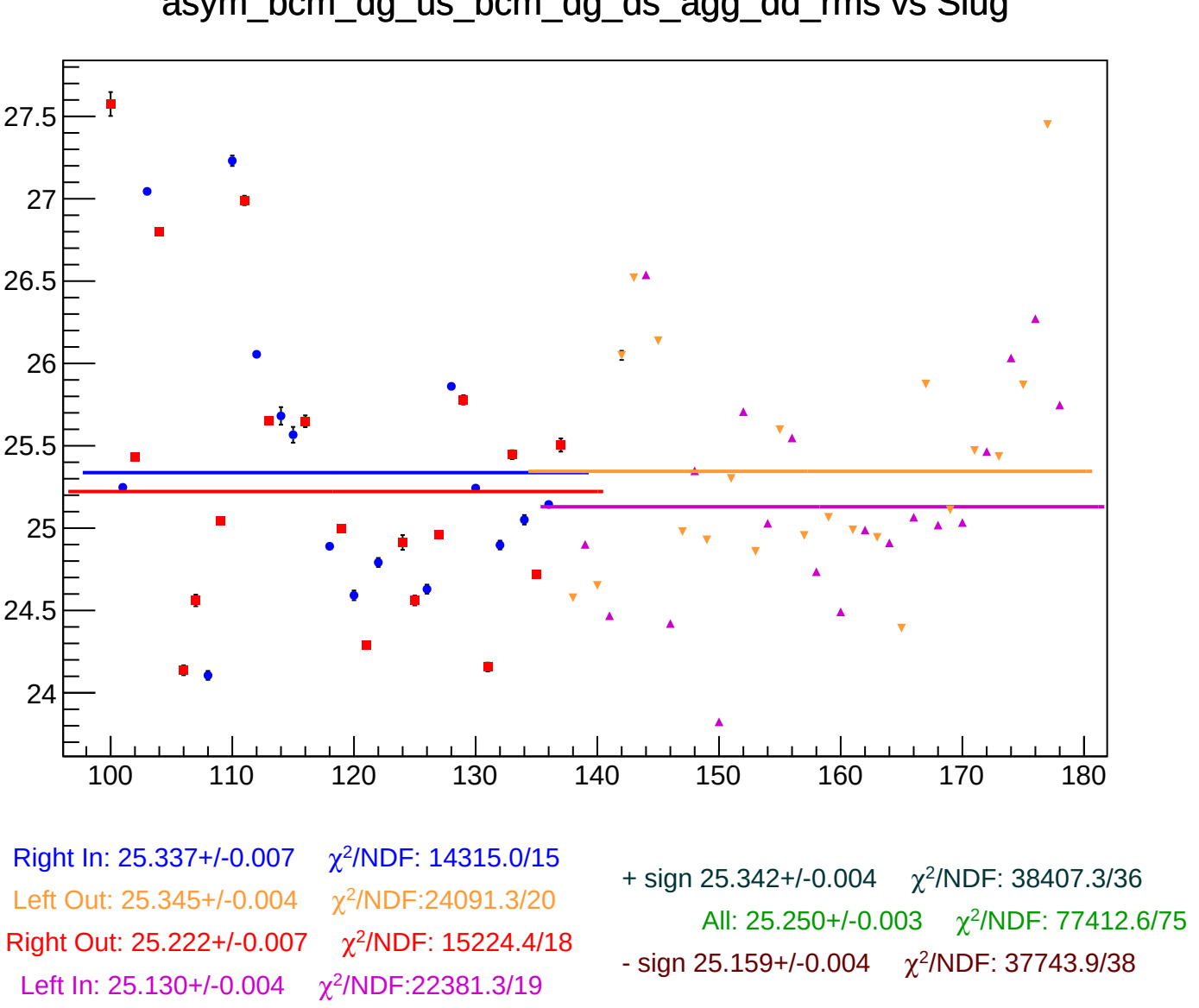
Right Out: -18.248+/-9.208 χ^2/NDF: 18.0/18

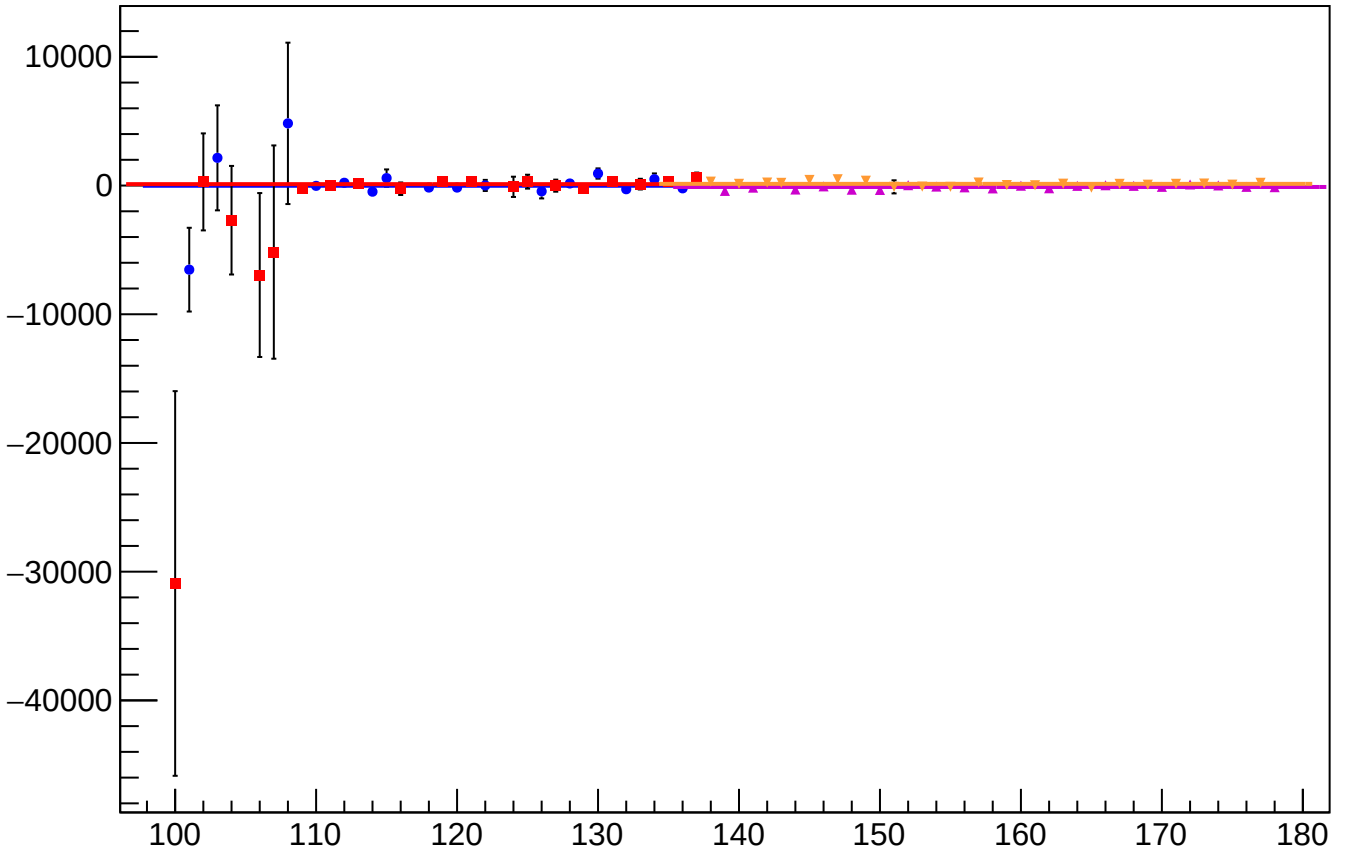
Left In: 1.747+/-6.224 χ^2/NDF:22.7/19

+ sign 6.941+/-5.187 χ^2/NDF: 44.8/36

All: 1.175+/-3.657 χ^2/NDF: 91.2/75

- sign -4.523+/-5.157 χ^2/NDF: 44.0/38


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
160
170
180
Right In: 25.337+/-0.007 χ²/NDF: 14315.0/15
Left Out: 25.345+/-0.004 χ²/NDF:24091.3/20
Right Out: 25.222+/-0.007 χ²/NDF: 15224.4/18
Left In: 25.130+/-0.004 χ²/NDF:22381.3/19
+ sign 25.342+/-0.004 χ²/NDF: 38407.3/36
All: 25.250+/-0.003 χ²/NDF: 77412.6/75
- sign 25.159+/-0.004 χ²/NDF: 37743.9/38



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 130.231+/-53.928 χ^2/NDF:7.4/20

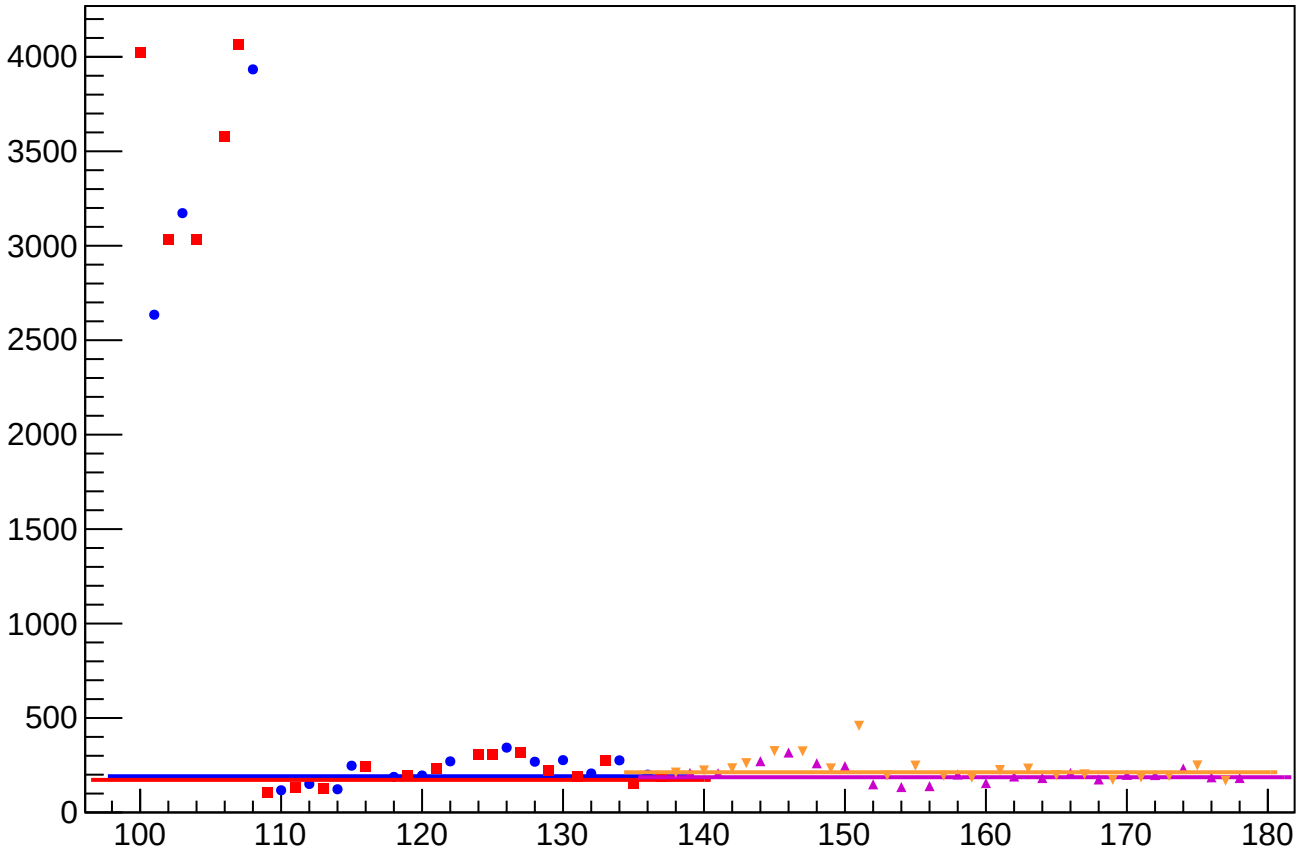
Right Out: 108.825+/-78.099 χ^2/NDF: 14.0/18

Left In: -111.064+/-48.266 χ^2/NDF:6.5/19

+ sign 88.210+/-45.490 χ^2/NDF: 27.8/36

All: 11.884+/-30.479 χ^2/NDF: 59.2/75

- sign -50.292+/-41.058 χ^2/NDF: 26.3/38



Right In: 191.736+/-0.060 χ^2/NDF: 3821804.2/15

Left Out: 212.845+/-0.038 χ^2/NDF:1336283.1/20

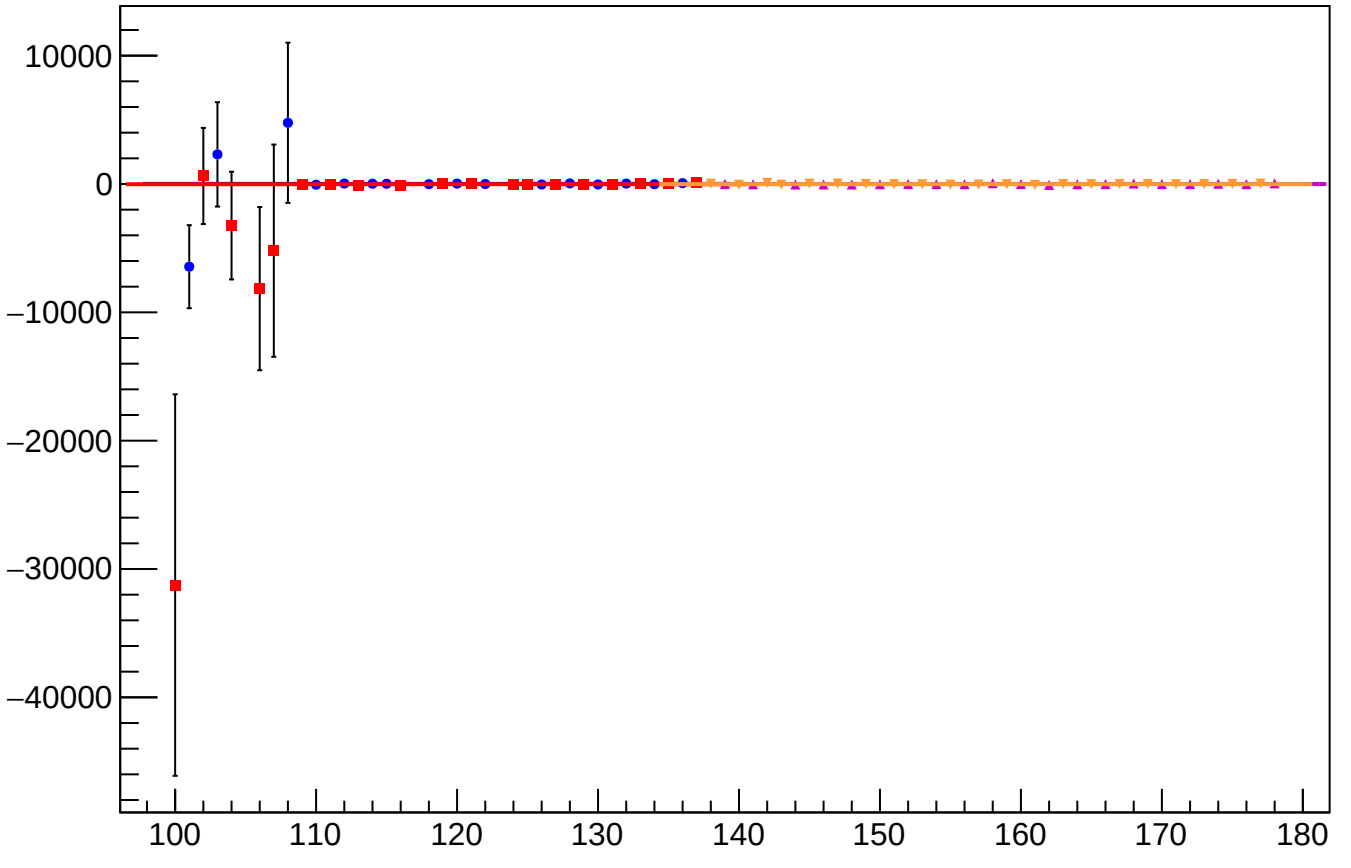
Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

Left In: 186.495+/-0.034 χ^2/NDF:1406241.6/19

+ sign 206.756+/-0.032 χ^2/NDF: 5246476.9/36

All: 193.453+/-0.022 χ^2/NDF: 11312926.1/75

- sign 182.616+/-0.029 χ^2/NDF: 5756092.4/38



Right In: 9.576+/-11.685 χ^2/NDF: 16.0/15

Left Out: -10.855+/-7.046 χ^2/NDF:19.7/20

Right Out: -18.105+/-11.805 χ^2/NDF: 24.8/18

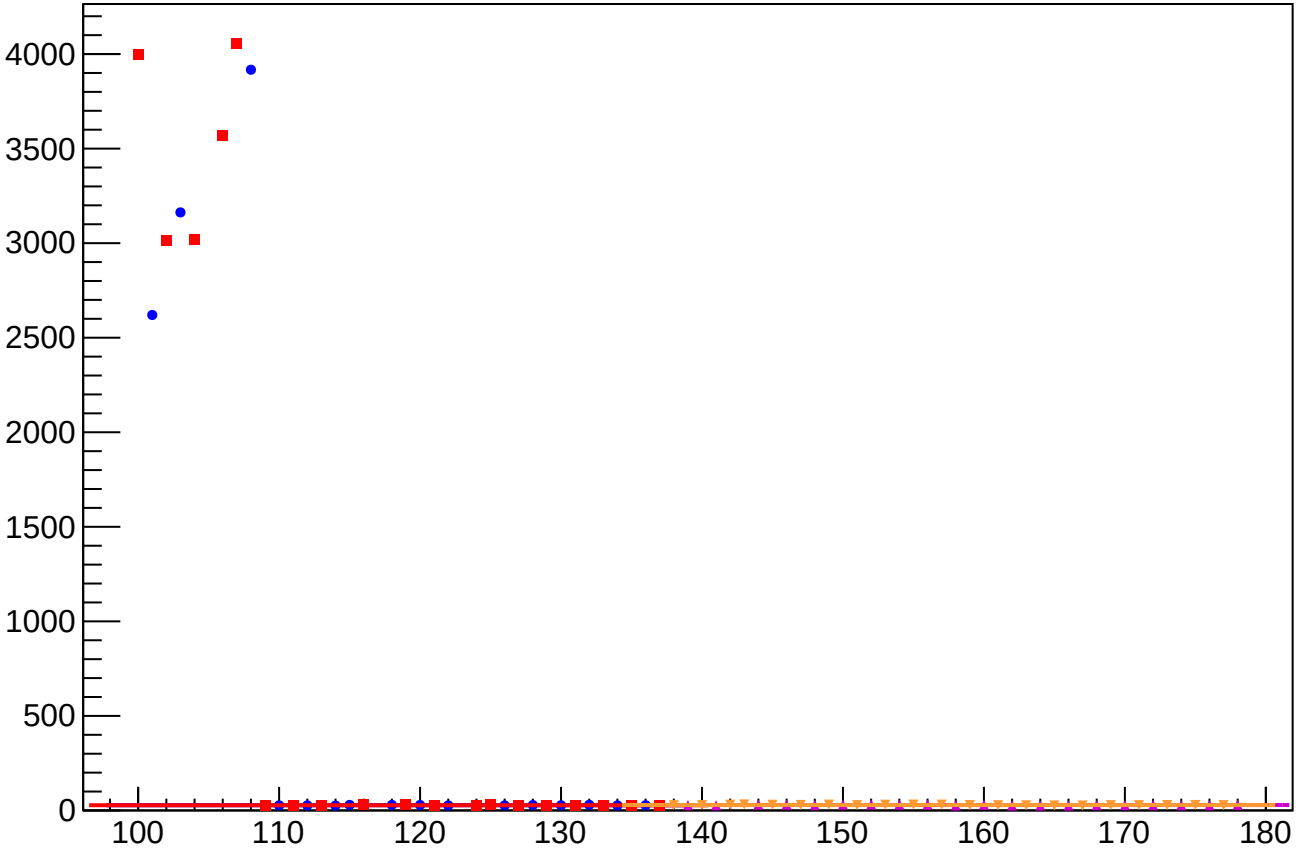
Left In: -2.797+/-7.114 χ^2/NDF:20.3/19

+ sign -5.406+/-6.034 χ^2/NDF: 38.0/36

All: -6.134+/-4.287 χ^2/NDF: 84.3/75

- sign -6.875+/-6.093 χ^2/NDF: 46.3/38

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: 28.691+/-0.005 χ^2/NDF:83533.4/20

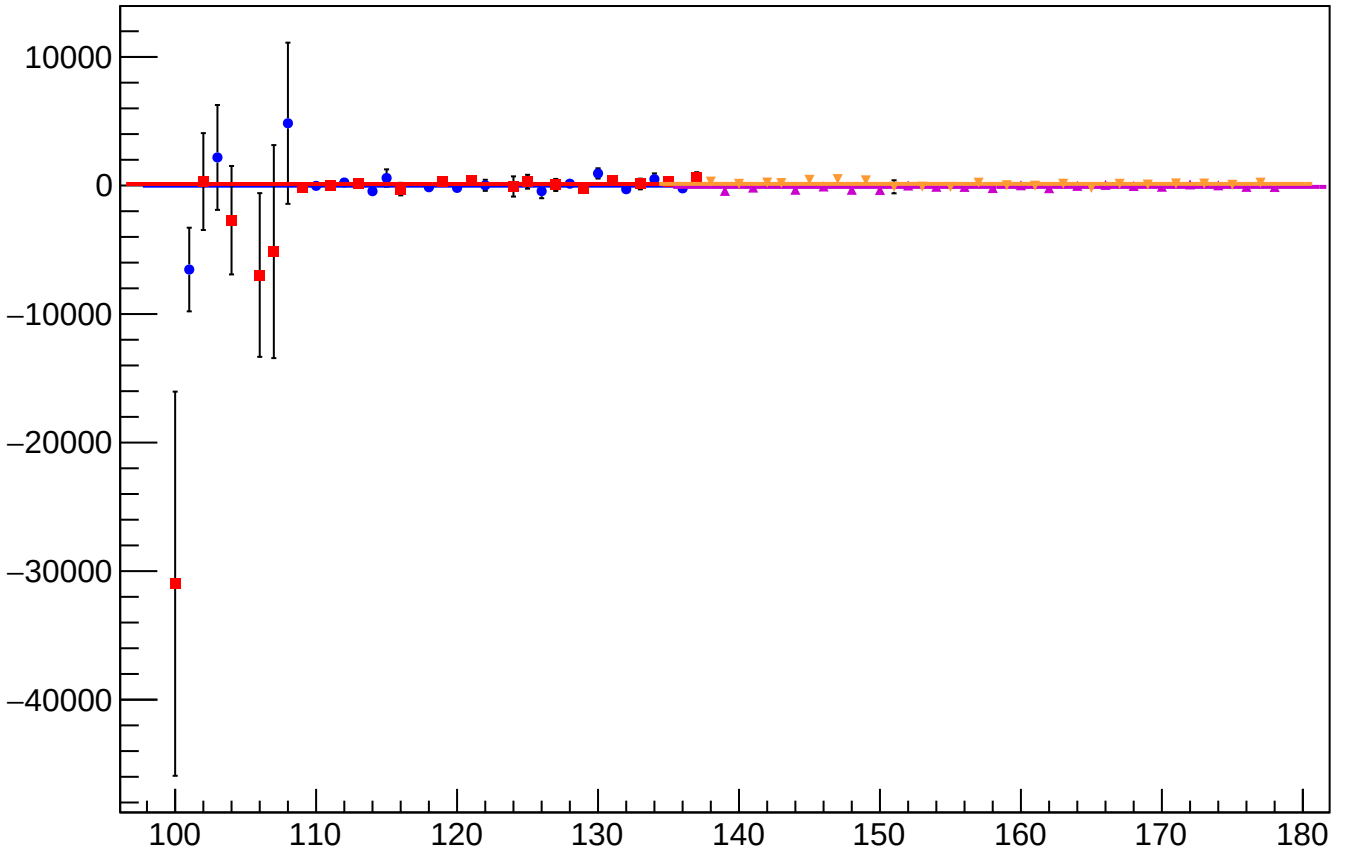
Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 28.649+/-0.005 χ^2/NDF:119964.6/19

+ sign 28.411+/-0.004 χ^2/NDF: 3360863.0/36

All: 28.382+/-0.003 χ^2/NDF: 7049230.7/75

- sign 28.352+/-0.004 χ^2/NDF: 3688273.2/38



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 125.429+/-53.809 χ^2/NDF:8.2/20

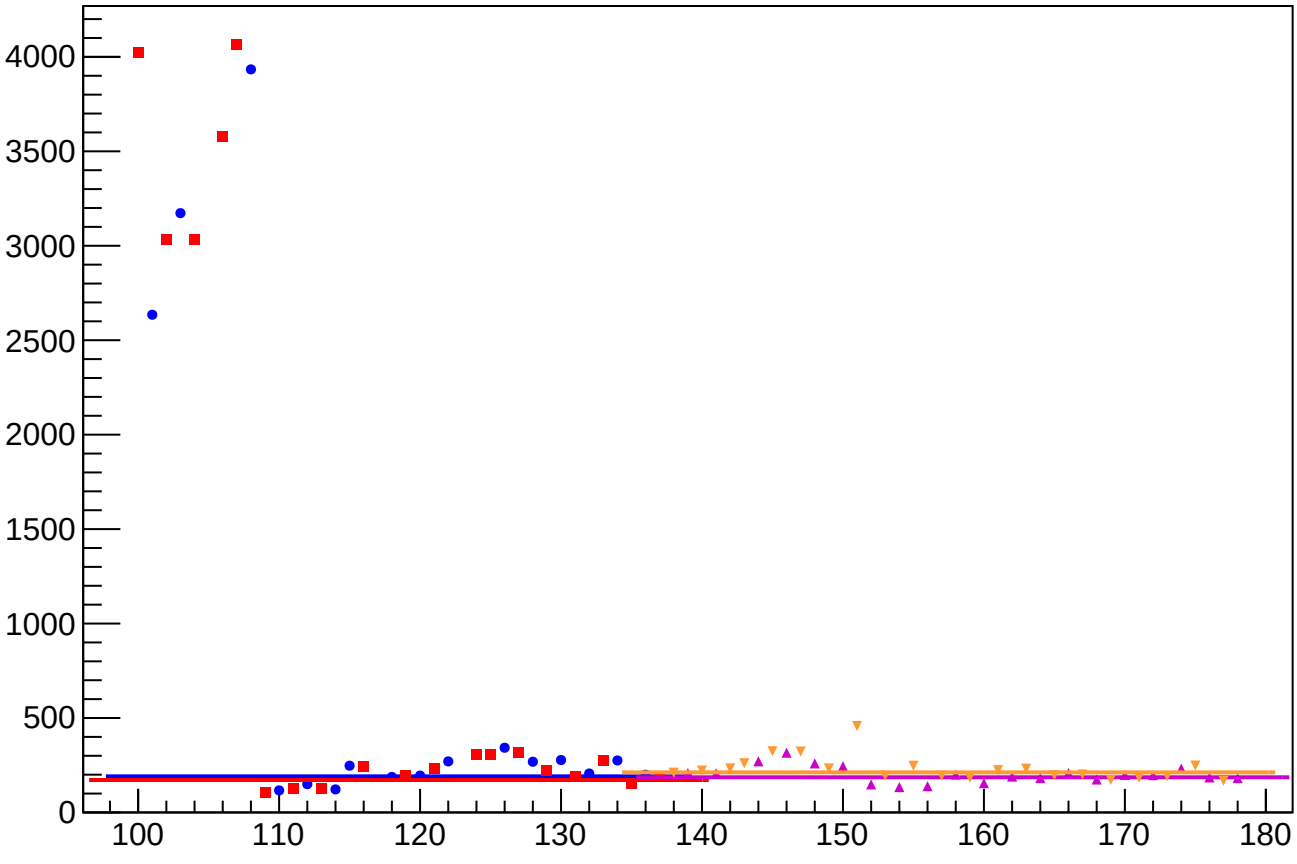
Right Out: 118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: -108.033+/-48.170 χ^2/NDF:6.7/19

\+ sign 85.413+/-45.381 χ^2/NDF: 28.5/36

All: 13.305+/-30.408 χ^2/NDF: 60.3/75

\- sign -45.452+/-40.964 χ^2/NDF: 27.3/38



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 212.374+/-0.038 χ^2/NDF:1337150.5/20

Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

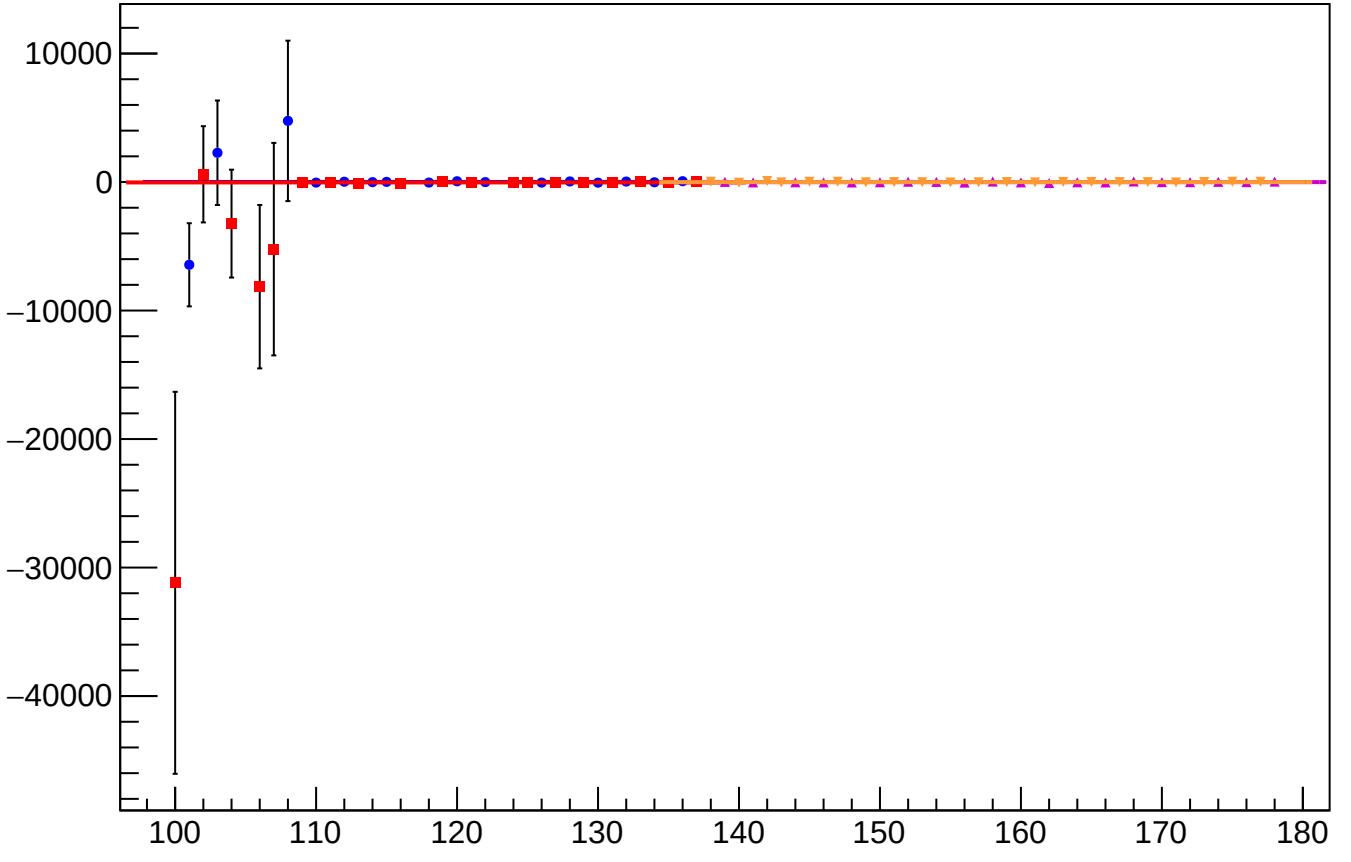
Left In: 186.125+/-0.034 χ^2/NDF:1405794.8/19

+ sign 206.223+/-0.032 χ^2/NDF: 5261626.2/36

All: 192.969+/-0.022 χ^2/NDF: 11340457.8/75

- sign 182.170+/-0.029 χ^2/NDF: 5769237.0/38

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -6.751+/-7.087 χ^2/NDF:13.6/20

Right Out: -30.962+/-11.902 χ^2/NDF: 19.9/18

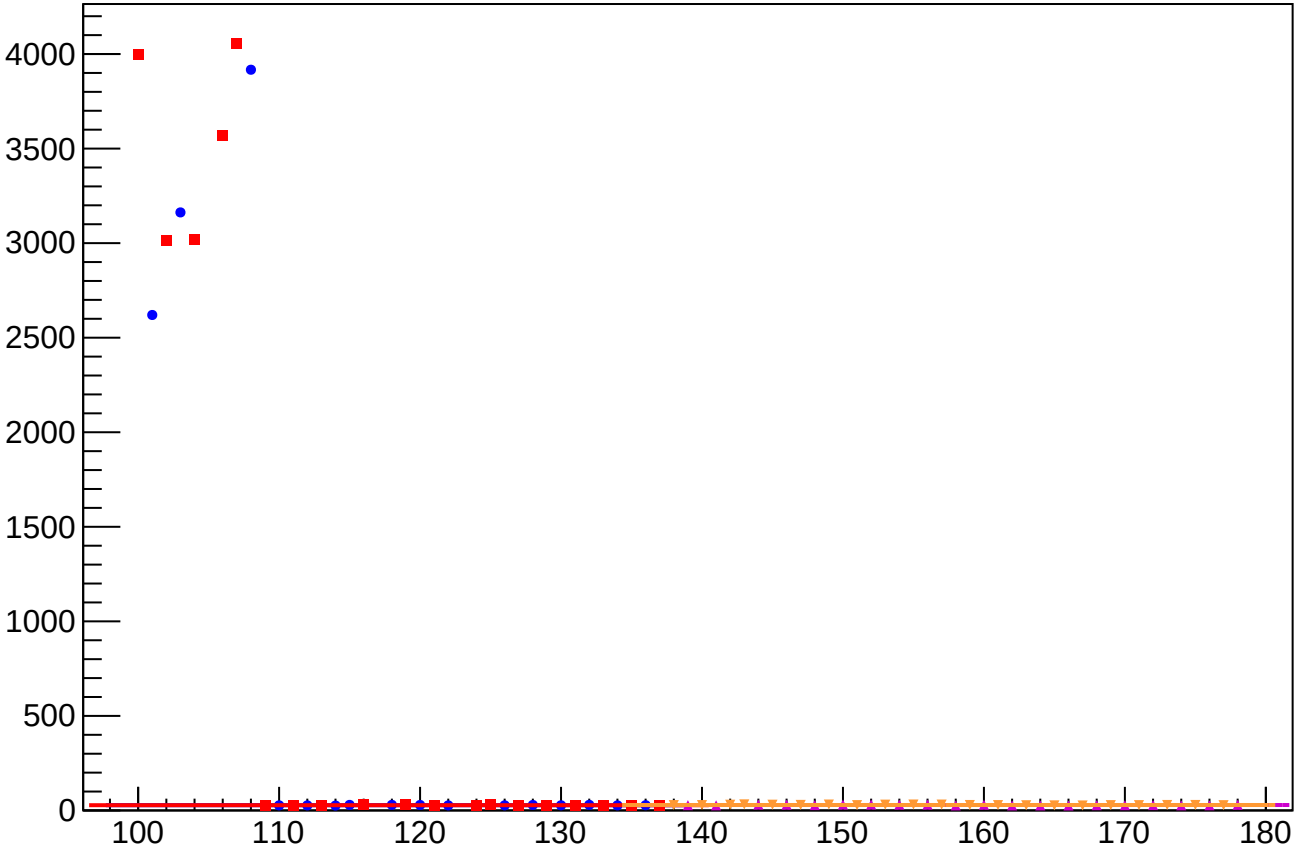
Left In: -4.735+/-7.148 χ^2/NDF:18.3/19

+ sign -3.225+/-6.071 χ^2/NDF: 32.9/36

All: -7.417+/-4.313 χ^2/NDF: 75.6/75

- sign -11.688+/-6.128 χ^2/NDF: 41.8/38

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: 28.852+/-0.005 χ^2/NDF:91262.3/20

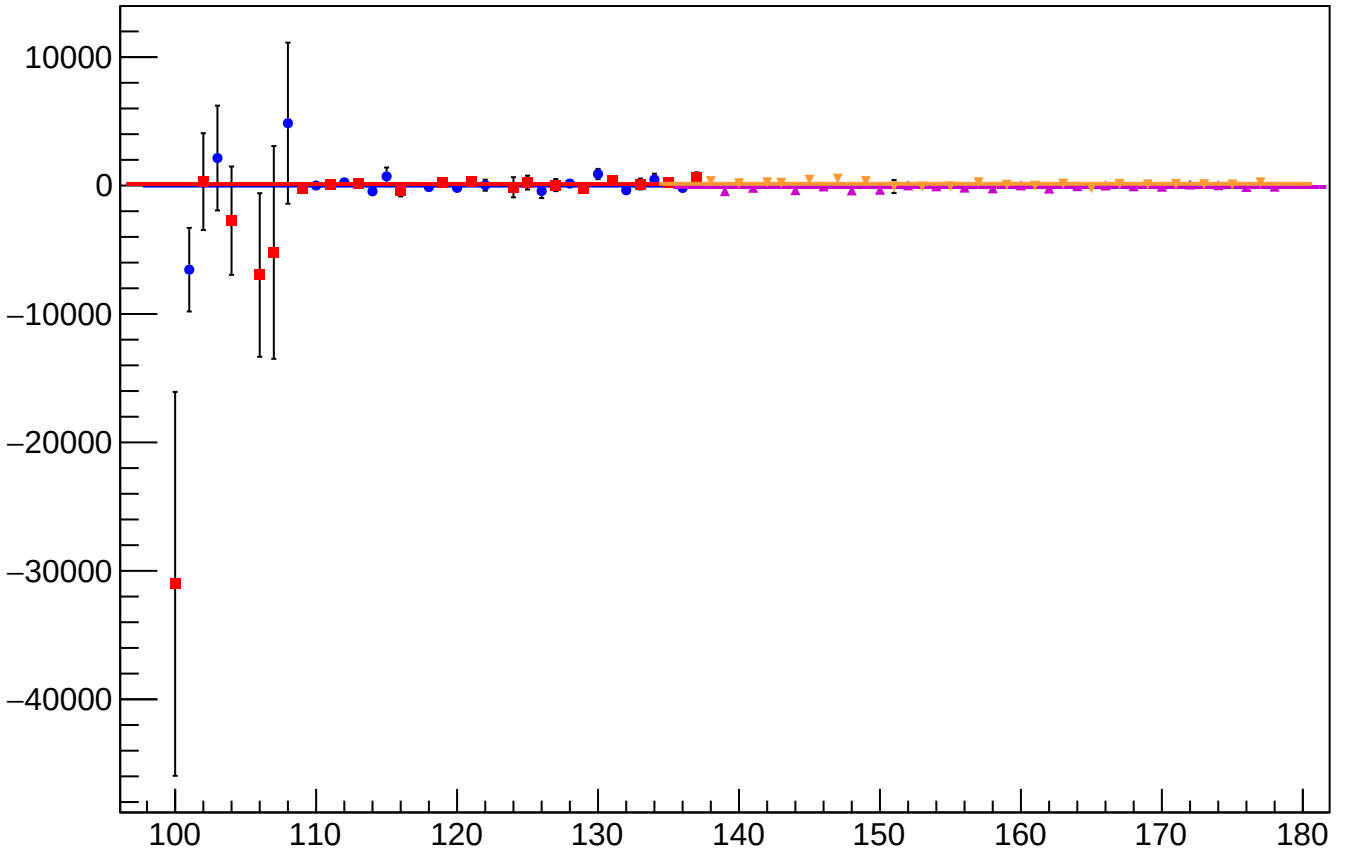
Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 28.787+/-0.005 χ^2/NDF:123668.3/19

+ sign 28.579+/-0.004 χ^2/NDF: 3368348.6/36

All: 28.546+/-0.003 χ^2/NDF: 7061901.7/75

- sign 28.513+/-0.004 χ^2/NDF: 3693438.8/38



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 135.892+/-54.311 χ^2/NDF:8.2/20

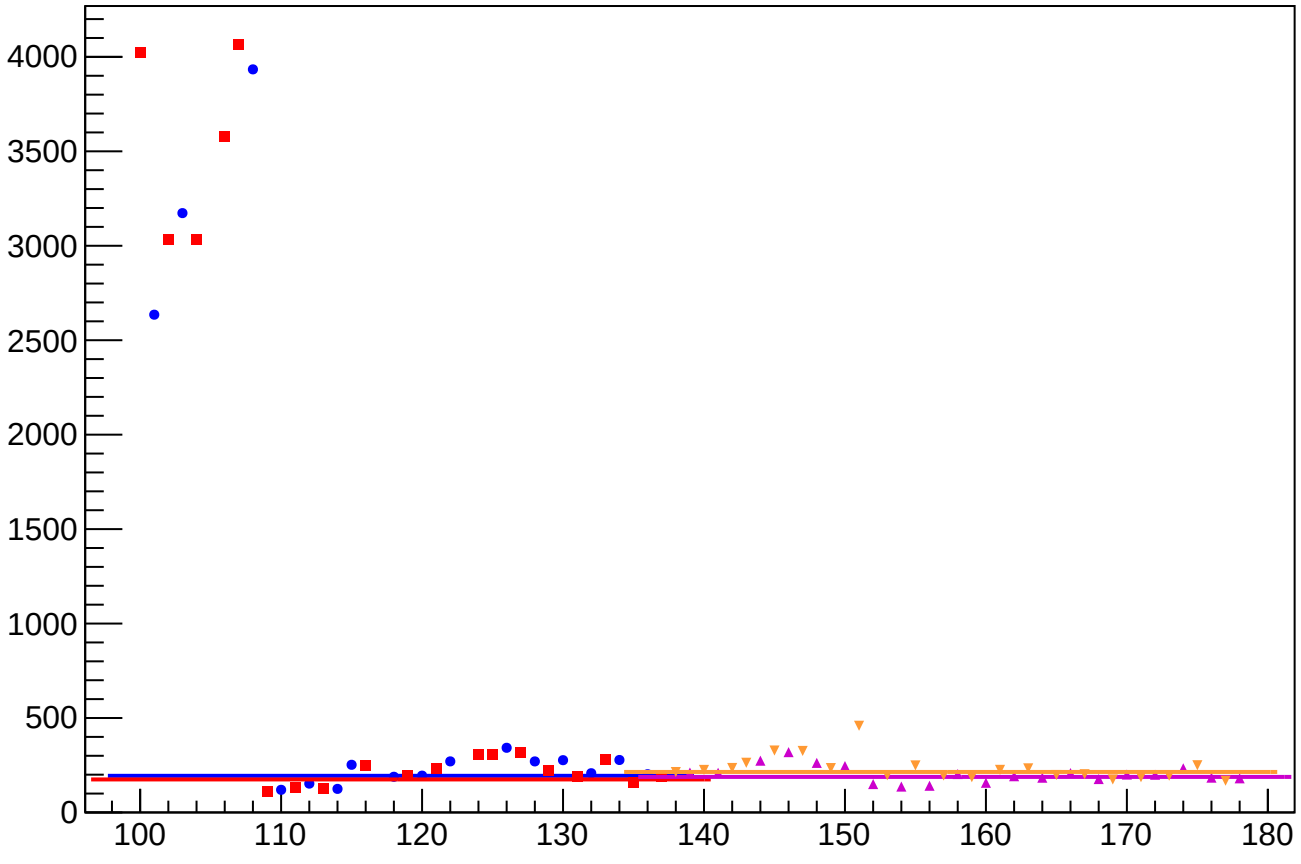
Right Out: 115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: -115.136+/-48.659 χ^2/NDF:7.3/19

+ sign 96.026+/-45.845 χ^2/NDF: 28.3/36

All: 14.766+/-30.736 χ^2/NDF: 61.3/75

- sign -51.577+/-41.424 χ^2/NDF: 27.3/38



Right In: 193.946+/-0.060 χ^2/NDF: 3784467.5/15

Left Out: 214.421+/-0.038 χ^2/NDF:1332441.1/20

Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

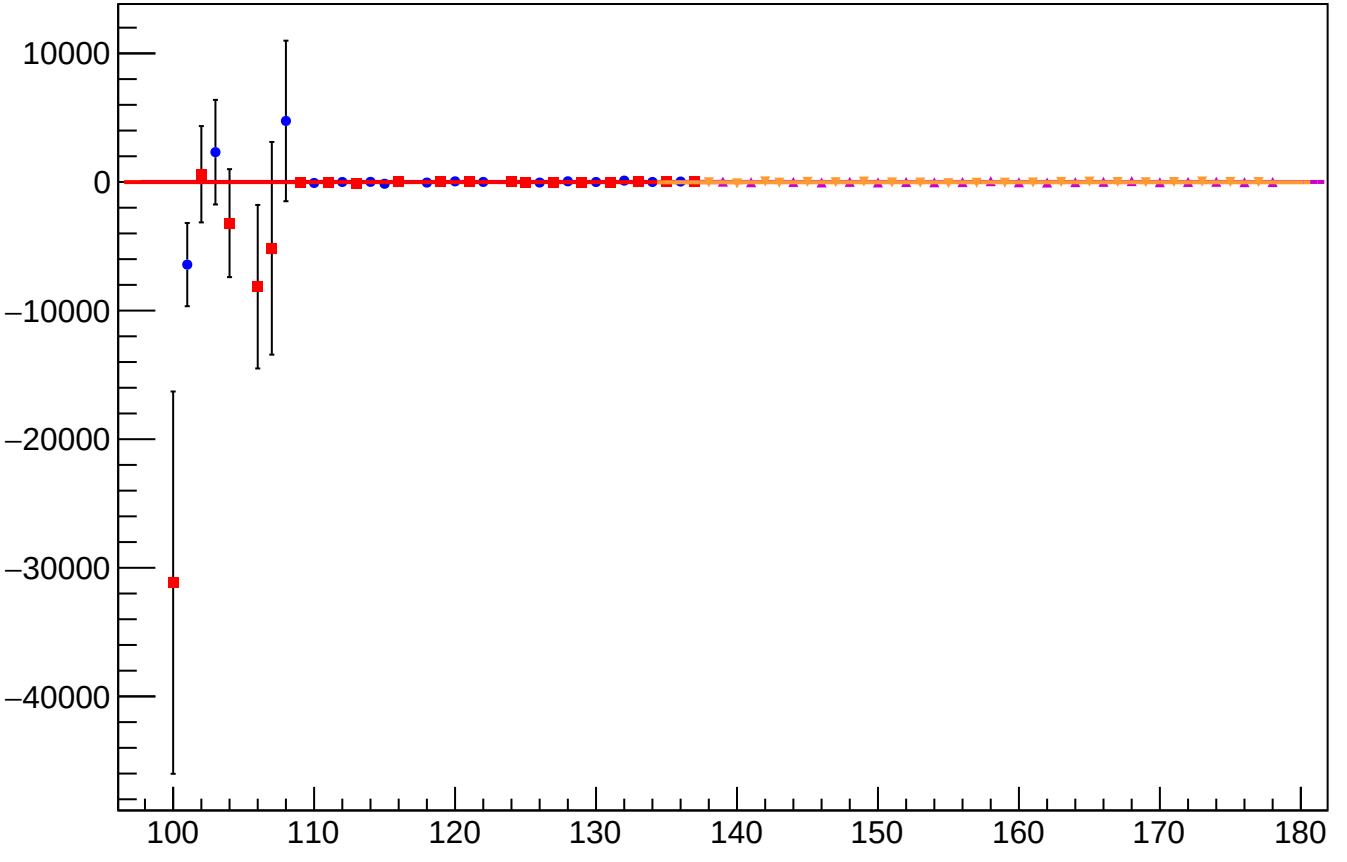
Left In: 188.159+/-0.034 χ^2/NDF:1376449.8/19

+ sign 208.536+/-0.032 χ^2/NDF: 5198618.4/36

All: 195.290+/-0.022 χ^2/NDF: 11179272.9/75

- sign 184.476+/-0.029 χ^2/NDF: 5677398.0/38

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: -22.056+/-8.463 χ^2/NDF:20.7/20

Right Out: -10.003+/-14.433 χ^2/NDF: 23.4/18

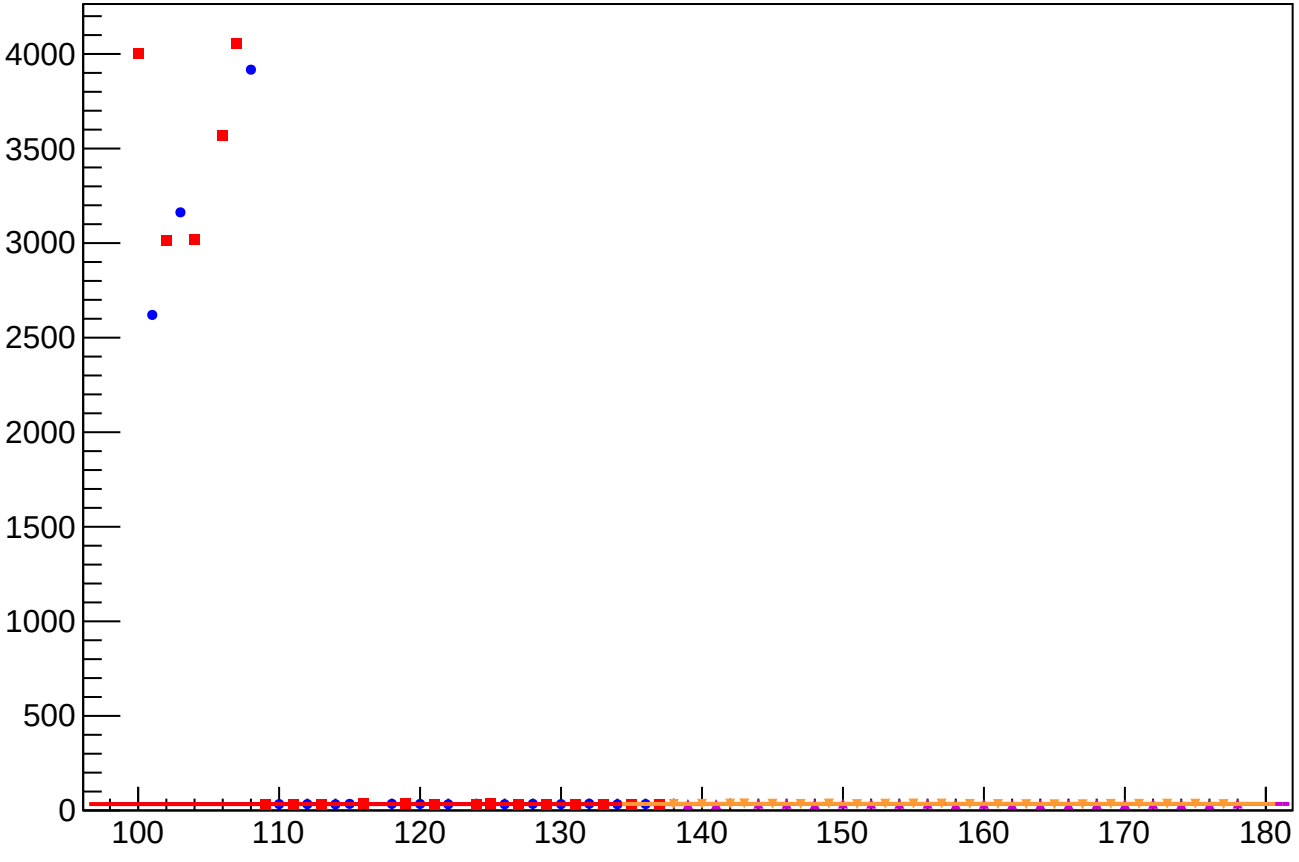
Left In: 2.708+/-8.560 χ^2/NDF:12.2/19

+ sign -14.871+/-7.284 χ^2/NDF: 40.9/36

All: -7.812+/-5.178 χ^2/NDF: 79.0/75

- sign -0.600+/-7.362 χ^2/NDF: 36.2/38

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: 34.506+/-0.006 χ^2/NDF:40610.2/20

Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

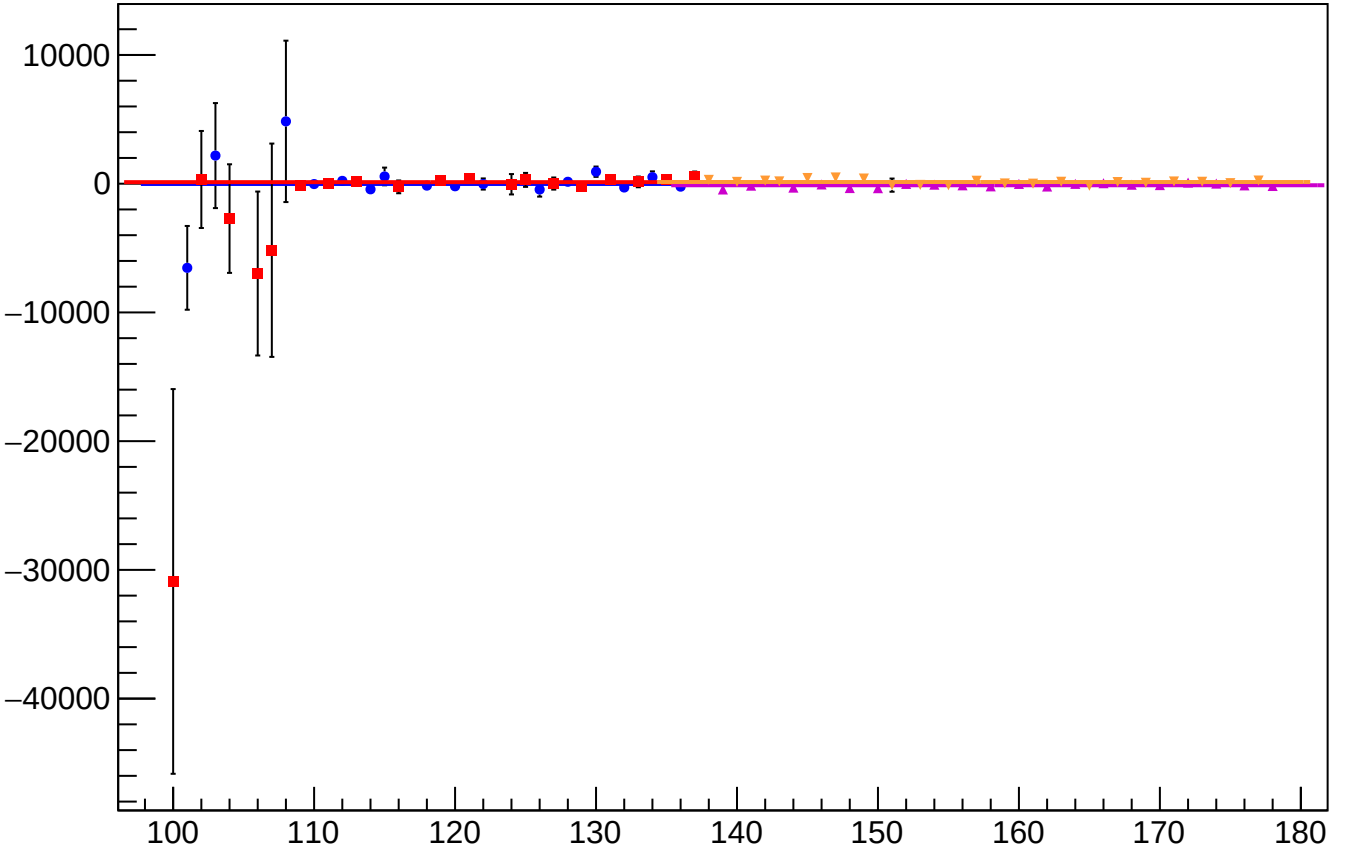
Left In: 34.535+/-0.006 χ^2/NDF:57683.9/19

+ sign 34.349+/-0.005 χ^2/NDF: 3287656.1/36

All: 34.337+/-0.004 χ^2/NDF: 6876463.1/75

- sign 34.325+/-0.005 χ^2/NDF: 3588796.0/38

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 130.654+/-54.253 χ^2/NDF:8.1/20

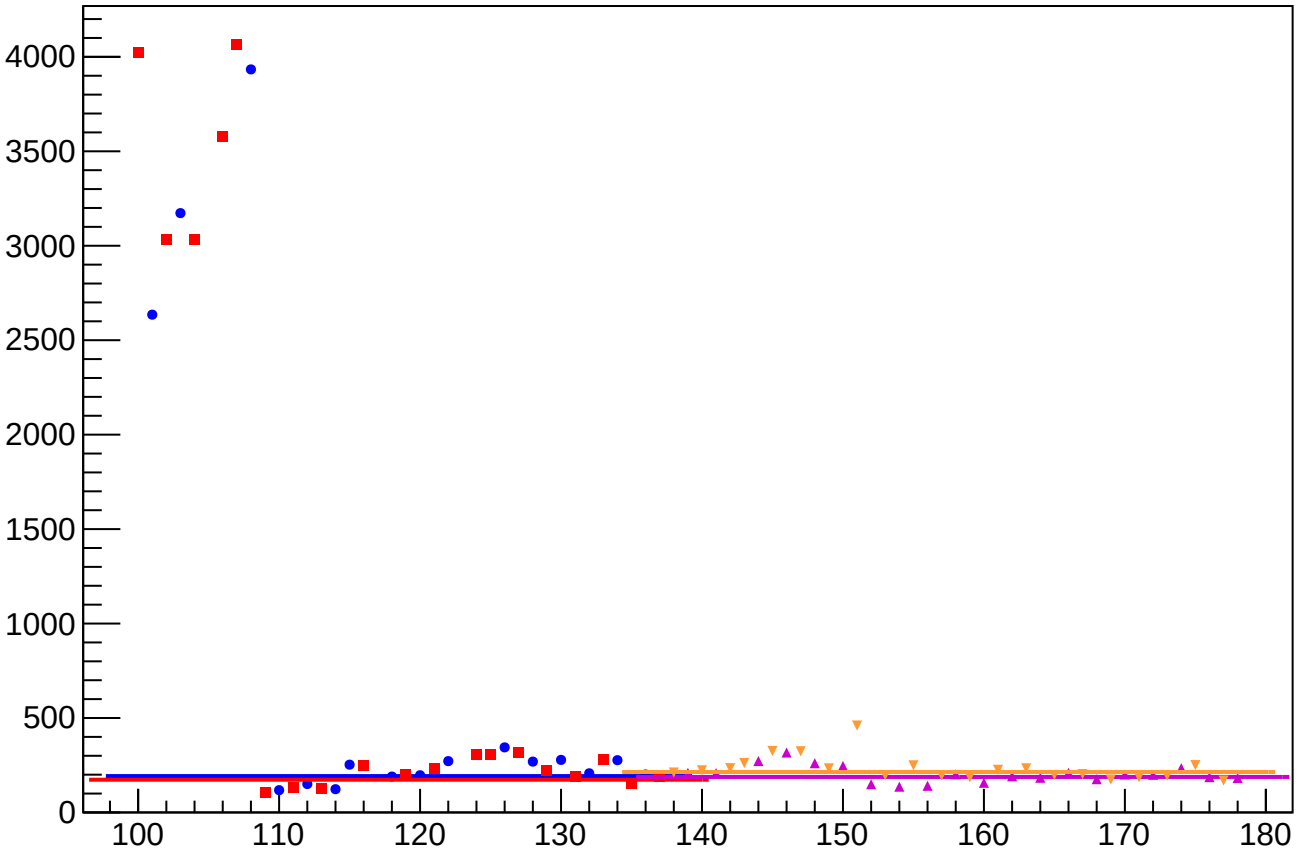
Right Out: 119.922+/-78.455 χ^2/NDF: 13.3/18

Left In: -120.701+/-48.611 χ^2/NDF:6.6/19

+ sign 87.229+/-45.741 χ^2/NDF: 28.5/36

All: 9.493+/-30.663 χ^2/NDF: 60.4/75

- sign -53.949+/-41.322 χ^2/NDF: 26.7/38



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 214.220+/-0.038 χ^2/NDF:1317367.2/20

Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

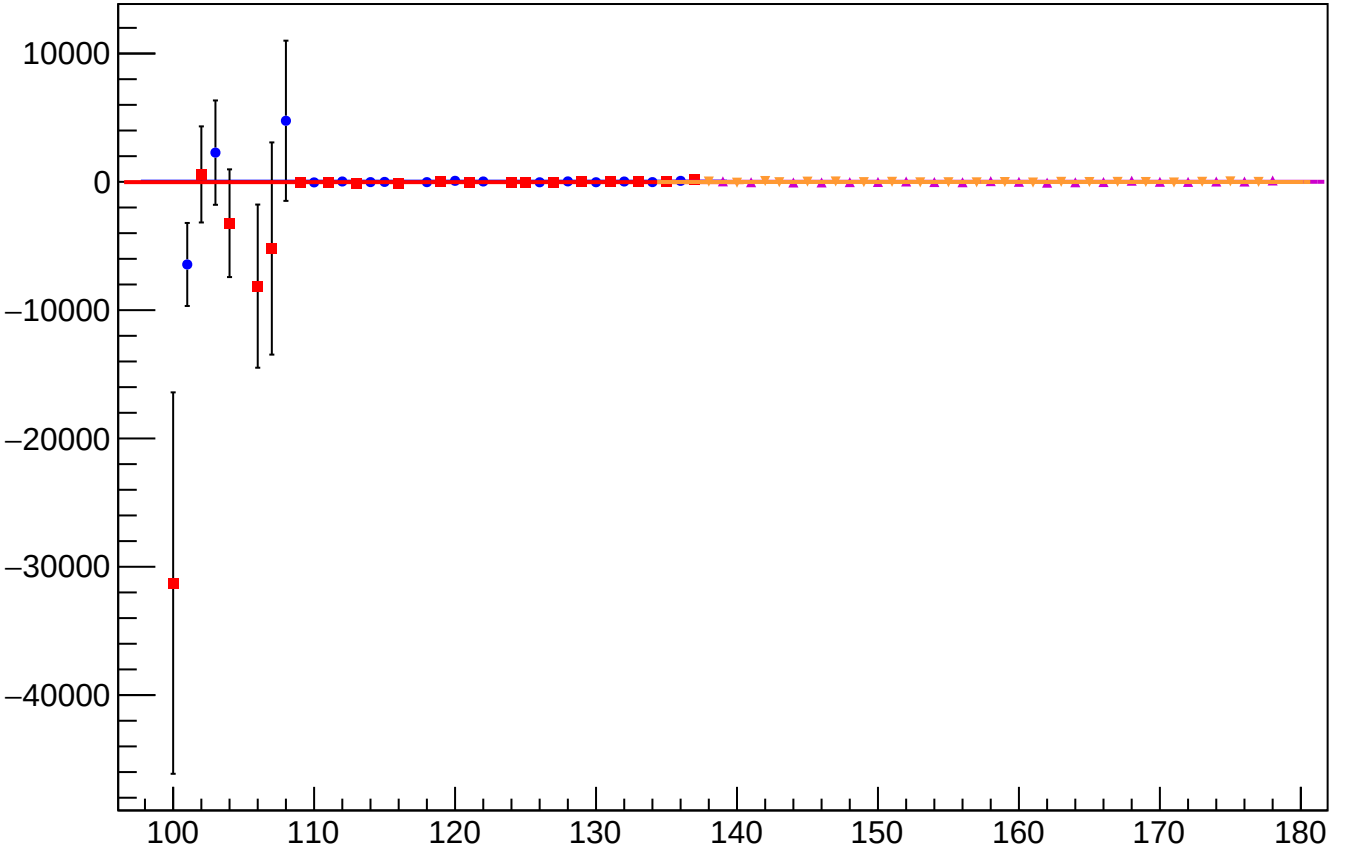
Left In: 187.973+/-0.034 χ^2/NDF:1365707.7/19

+ sign 207.957+/-0.032 χ^2/NDF: 5232334.8/36

All: 194.704+/-0.022 χ^2/NDF: 11261264.4/75

- sign 183.889+/-0.029 χ^2/NDF: 5724033.6/38

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: -13.219+/-7.695 χ^2/NDF:15.2/20

Right Out: -23.230+/-13.181 χ^2/NDF: 28.7/18

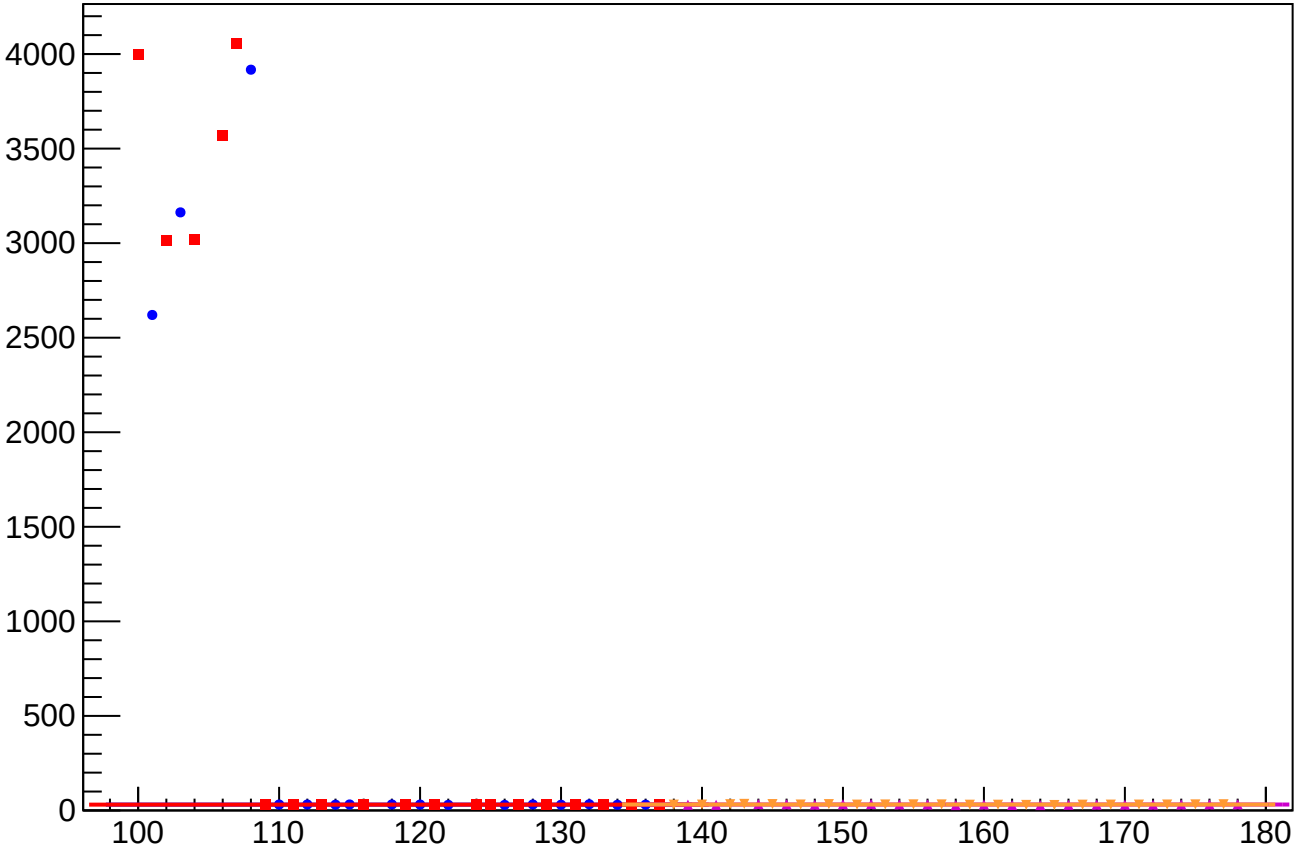
Left In: 4.689+/-7.777 χ^2/NDF:32.0/19

+ sign -6.281+/-6.630 χ^2/NDF: 33.8/36

All: -4.420+/-4.712 χ^2/NDF: 97.9/75

- sign -2.521+/-6.698 χ^2/NDF: 64.0/38

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: 31.350+/-0.005 χ^2/NDF:62489.4/20

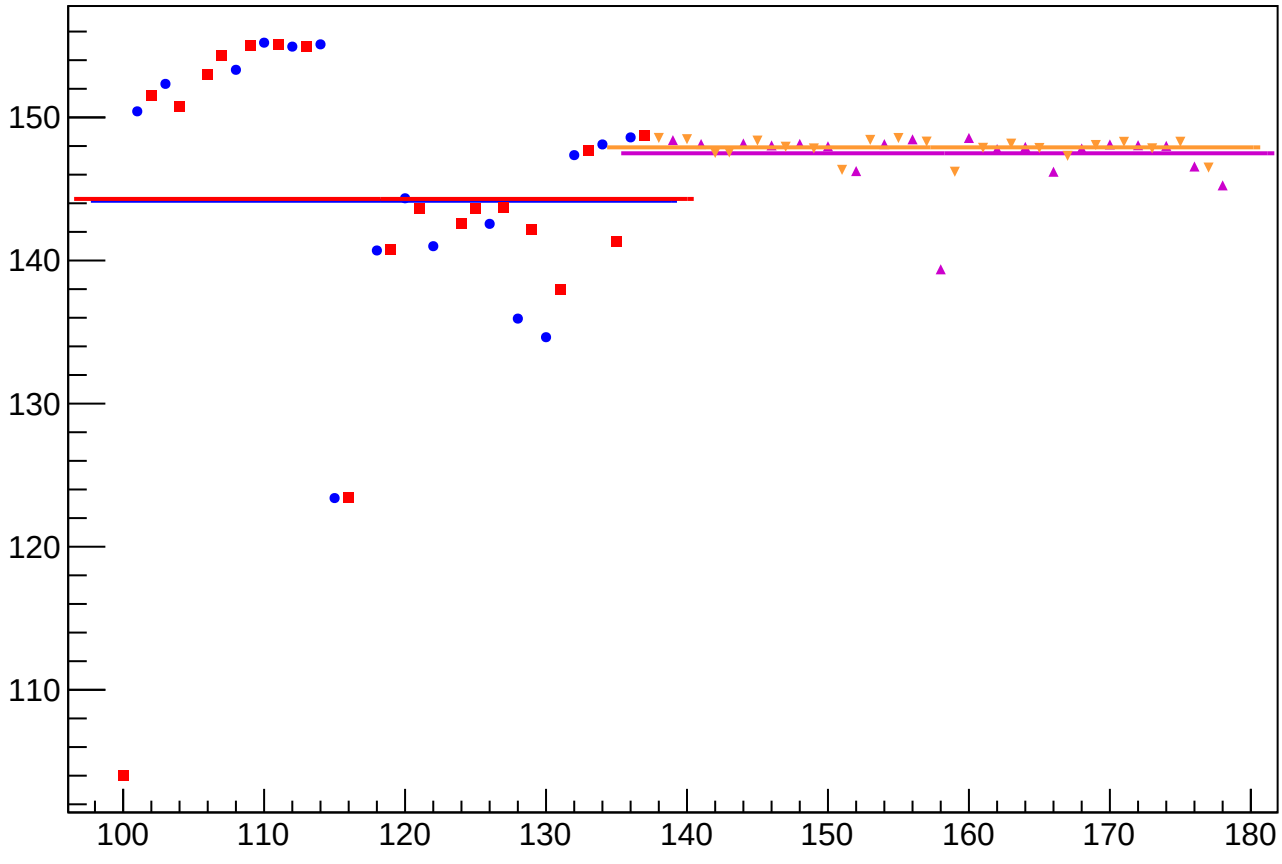
Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 31.346+/-0.005 χ^2/NDF:83916.4/19

+ sign 31.241+/-0.005 χ^2/NDF: 3316642.2/36

All: 31.220+/-0.003 χ^2/NDF: 6939596.6/75

- sign 31.199+/-0.005 χ^2/NDF: 3622914.1/38



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.909+/-0.000 χ^2/NDF:40200883.5/20

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

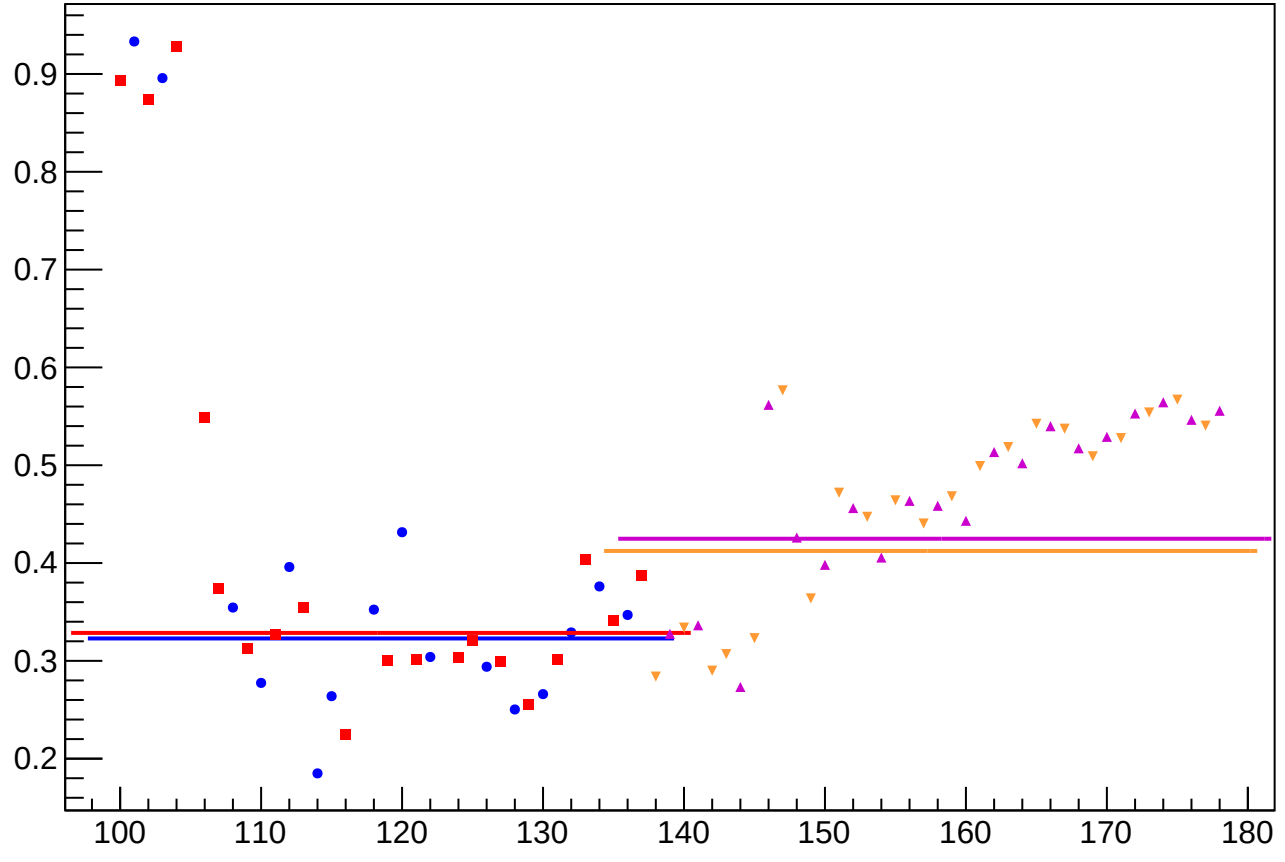
Left In: 147.493+/-0.000 χ^2/NDF:306018280.1/19

+ sign 146.454+/-0.000 χ^2/NDF: 4250153028.5/36

All: 146.332+/-0.000 χ^2/NDF: 9167154865.0

- sign 146.204+/-0.000 χ^2/NDF: 4912537533.9/38

yield_bcm_target_rms vs Slug



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.412+/-0.000 χ^2/NDF:1803272.2/20

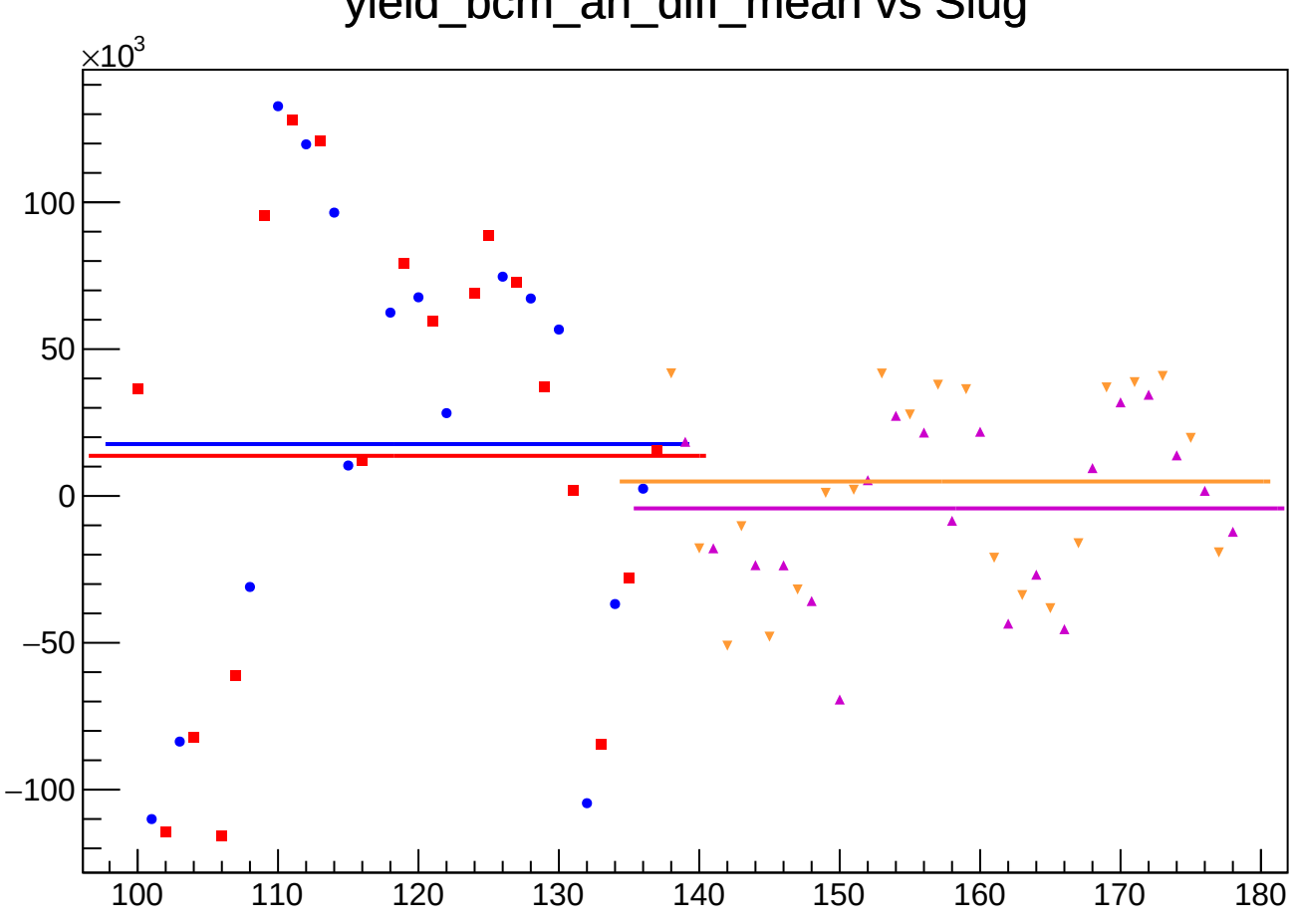
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.425+/-0.000 χ^2/NDF:1519236.7/19

+ sign 0.377+/-0.000 χ^2/NDF: 3756763.4/36

All: 0.382+/-0.000 χ^2/NDF: 7213840.4/75

- sign 0.386+/-0.000 χ^2/NDF: 3446901.8/38



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: 4933.891+/-1.189 χ^2/NDF:696062897.2/20

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

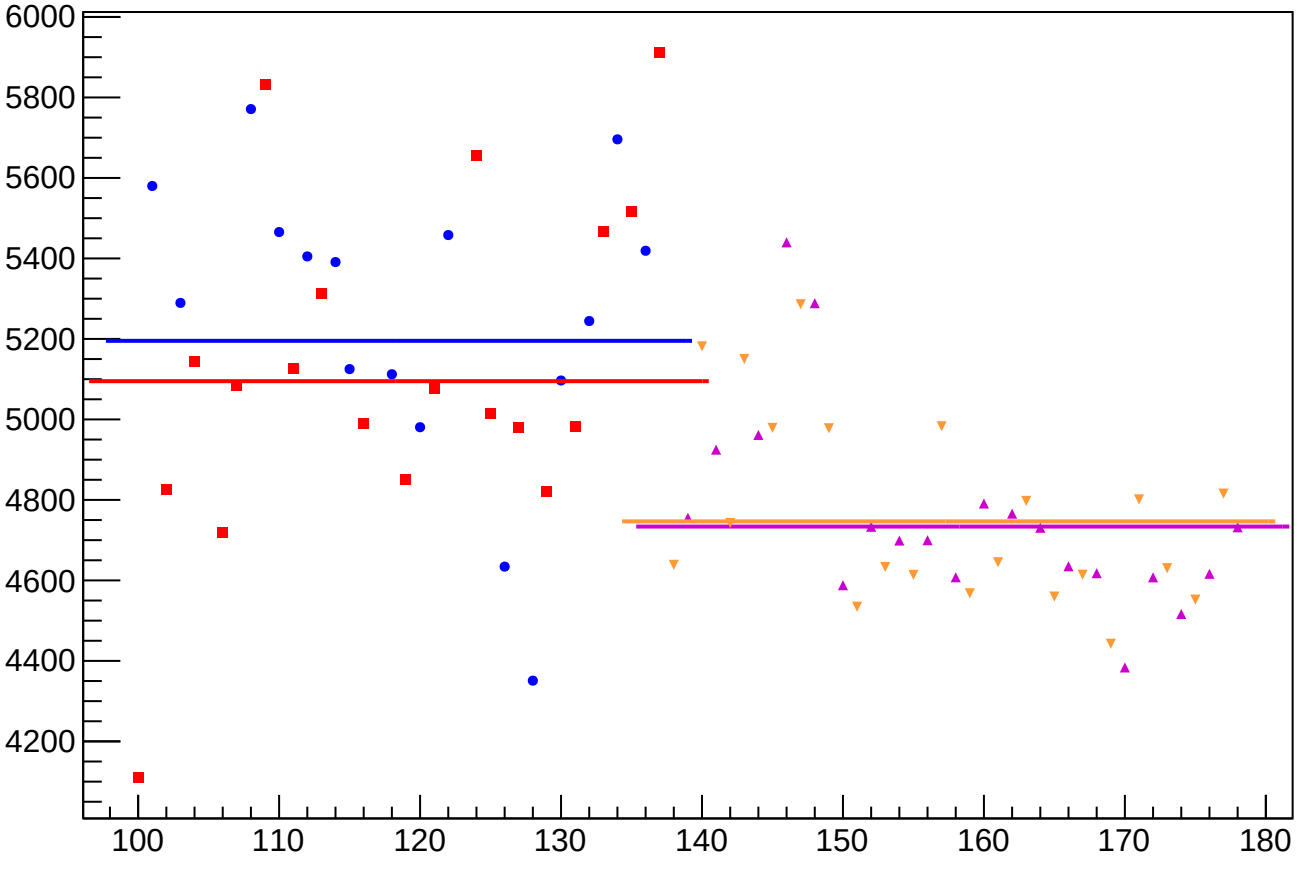
Left In: -4231.583+/-1.198 χ^2/NDF:583983959.3/19

+ sign 8242.542+/-1.022 χ^2/NDF: 2124619502.9/36

All: 4484.792+/-0.721 χ^2/NDF: 4654755204.

- sign 765.875+/-1.017 χ^2/NDF: 2503260385.6/38

yield_bcm_an_diff_rms vs Slug



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4746.662+/-0.840 χ^2/NDF:71506.6/20

Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

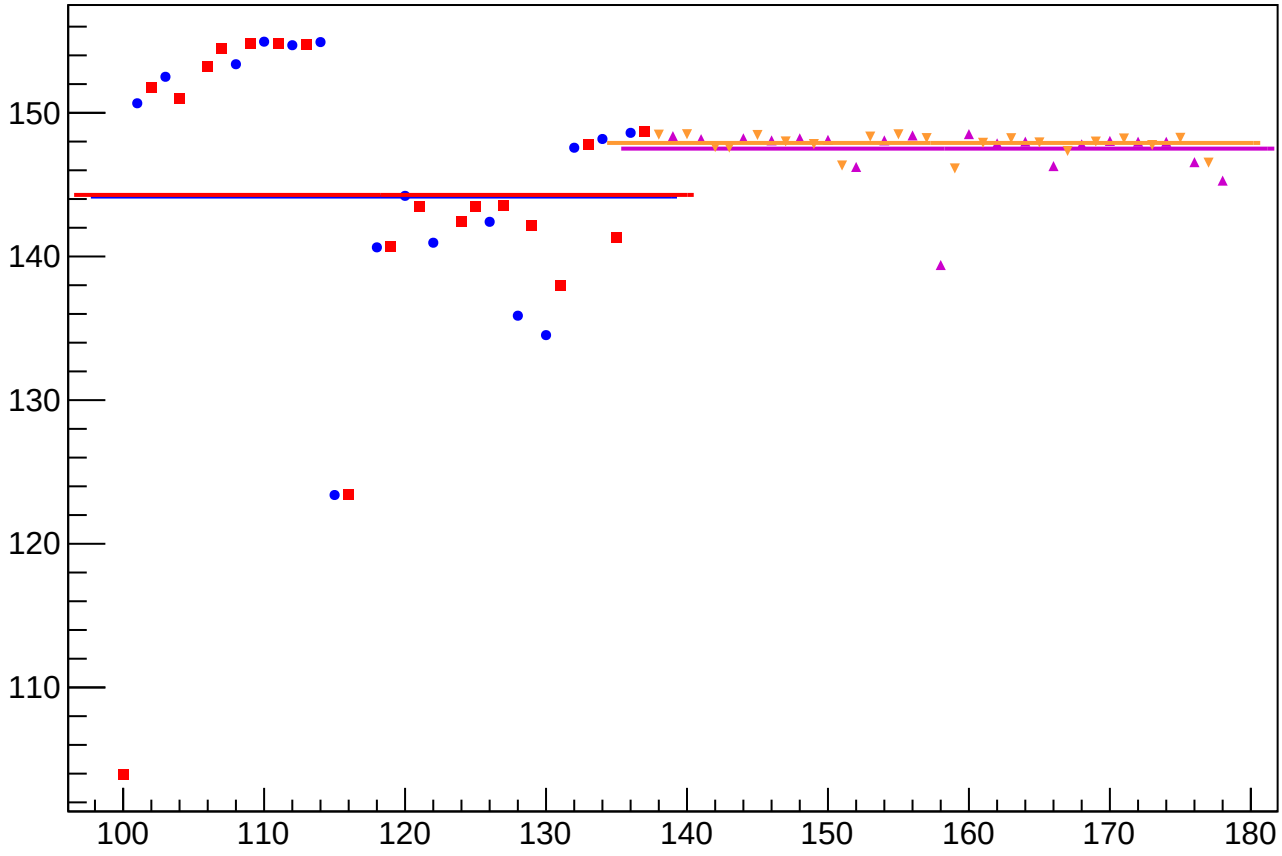
Left In: 4733.758+/-0.847 χ^2/NDF:71094.2/19

\+ sign 4863.268+/-0.723 χ^2/NDF: 222743.4/36

All: 4848.878+/-0.510 χ^2/NDF: 404520.7/75

\- sign 4834.638+/-0.719 χ^2/NDF: 180989.2/38

yield_bcm_an_ds_mean vs Slug



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 147.905+/-0.000 χ^2/NDF:39749553.8/20

Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

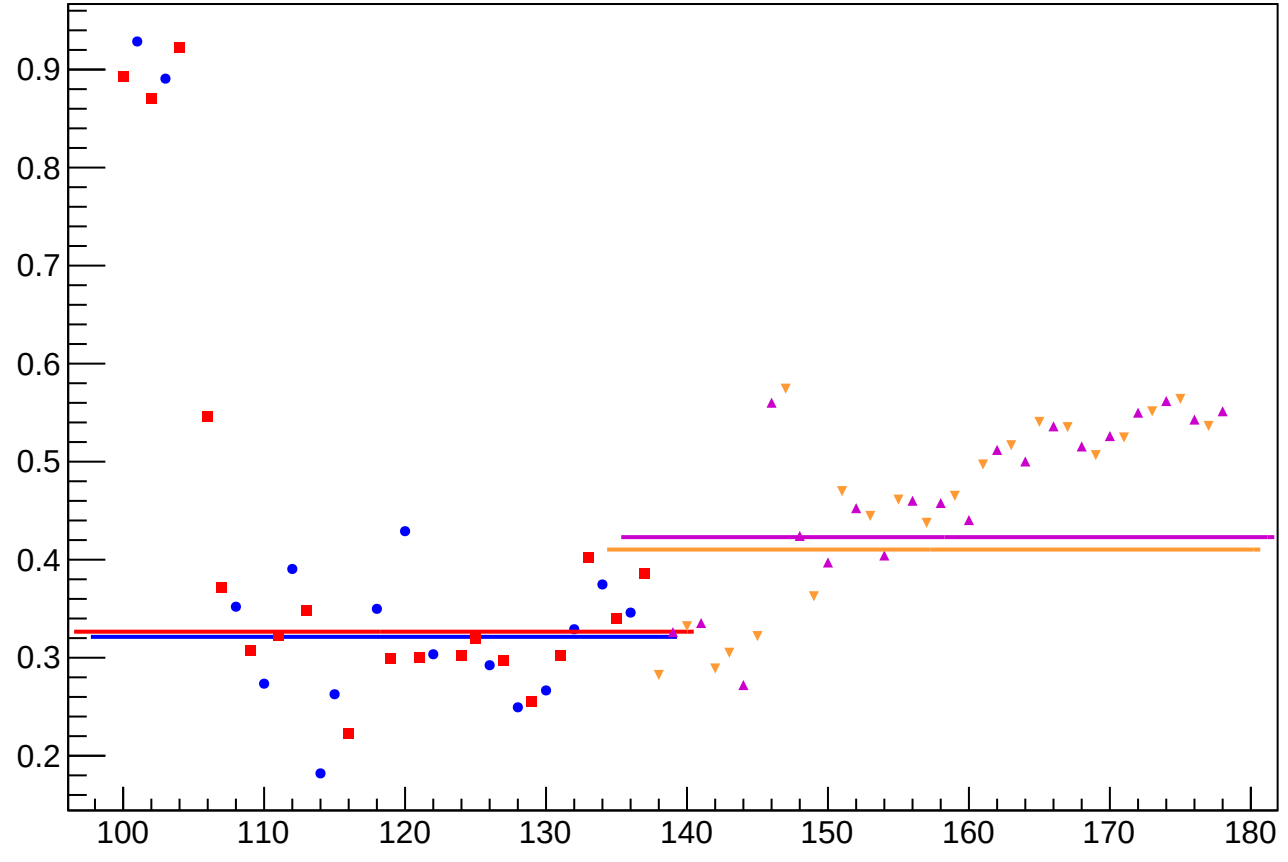
Left In: 147.508+/-0.000 χ^2/NDF:306420969.8/19

+ sign 146.450+/-0.000 χ^2/NDF: 4294805177.1/36

All: 146.330+/-0.000 χ^2/NDF: 9248761199.5

- sign 146.203+/-0.000 χ^2/NDF: 4949572093.0/38

yield_bcm_an_ds_rms vs Slug



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.410+/-0.000 χ^2/NDF:1801678.5/20

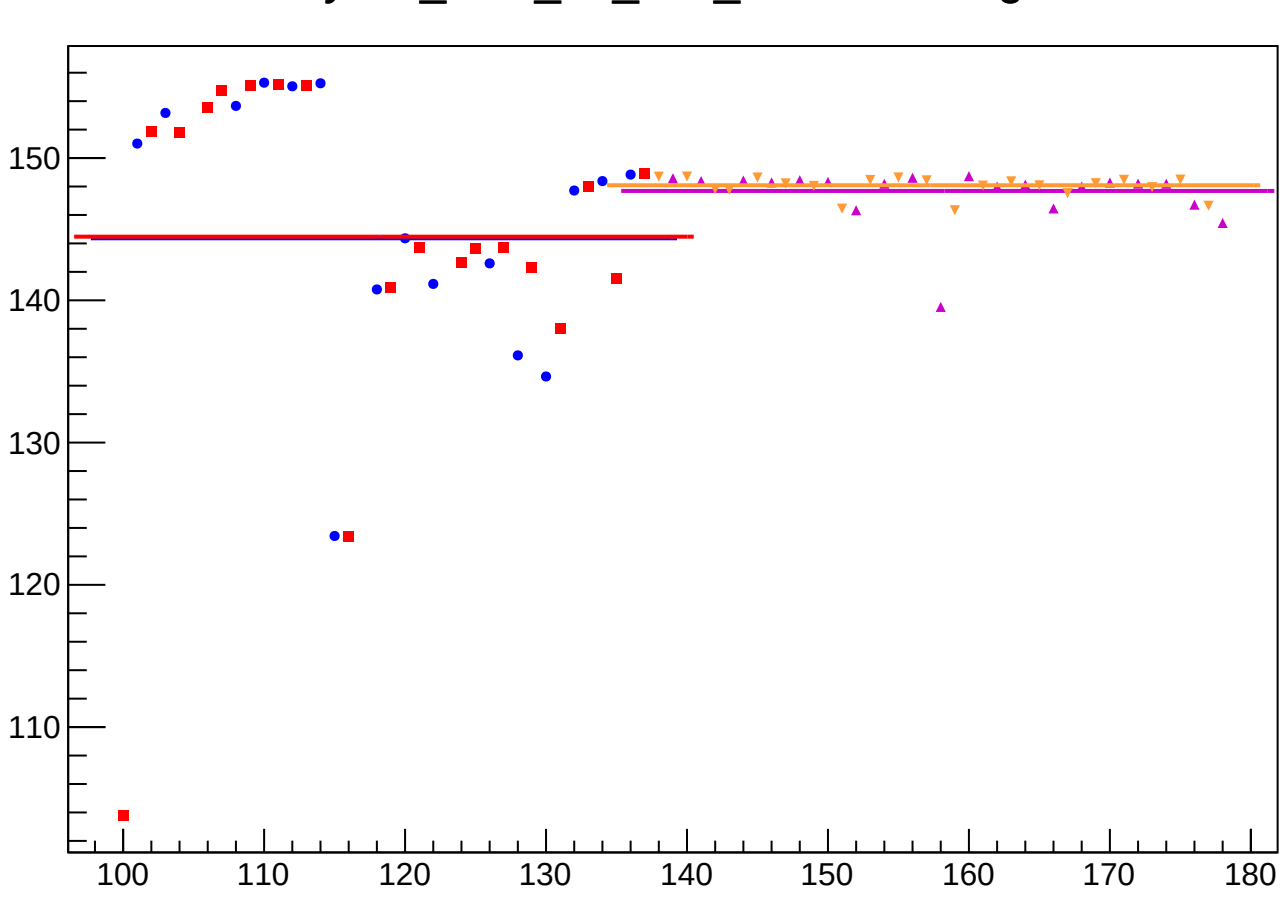
Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.423+/-0.000 χ^2/NDF:1512596.5/19

+ sign 0.376+/-0.000 χ^2/NDF: 3755666.3/36

All: 0.380+/-0.000 χ^2/NDF: 7213571.9/75

- sign 0.384+/-0.000 χ^2/NDF: 3447905.7/38



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.088+/-0.000 χ^2/NDF:40371894.1/20

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

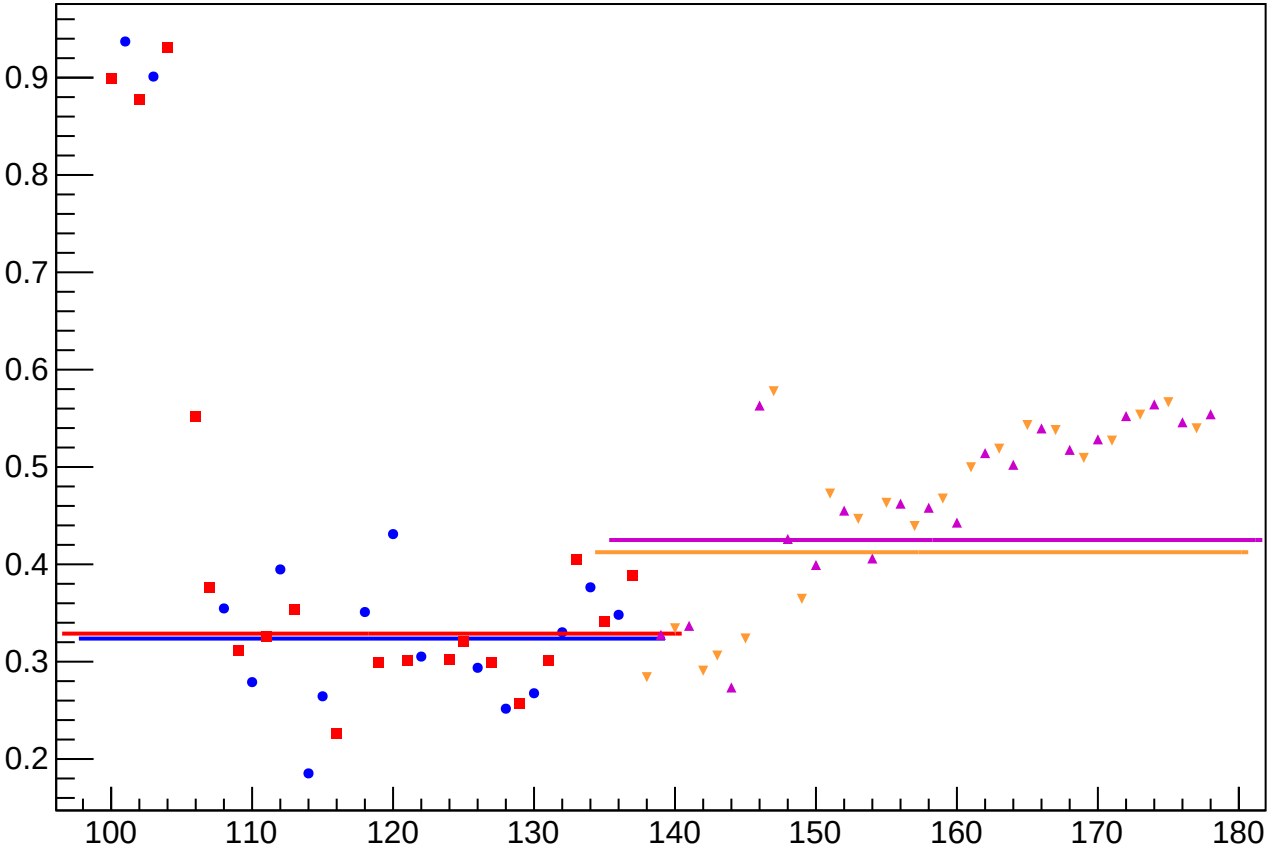
Left In: 147.688+/-0.000 χ^2/NDF:311204950.9/19

+ sign 146.639+/-0.000 χ^2/NDF: 4281430811.0/36

All: 146.518+/-0.000 χ^2/NDF: 9226048307.4

- sign 146.390+/-0.000 χ^2/NDF: 4940193918.8/38

yield_bcm_an_ds3_rms vs Slug



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.412+/-0.000 χ^2/NDF:1798750.5/20

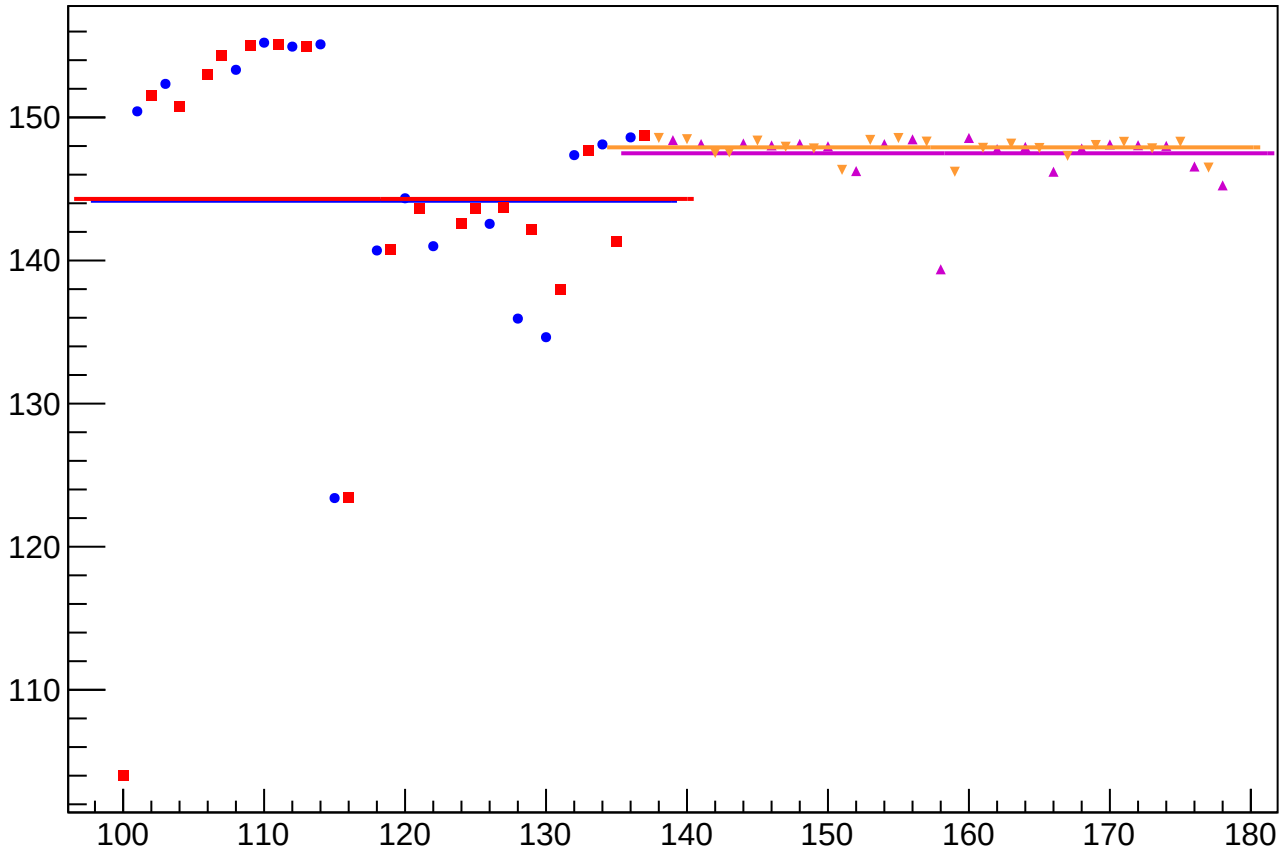
Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.425+/-0.000 χ^2/NDF:1511808.3/19

+ sign 0.378+/-0.000 χ^2/NDF: 3738049.3/36

All: 0.382+/-0.000 χ^2/NDF: 7183912.3/75

- sign 0.386+/-0.000 χ^2/NDF: 3436316.2/38



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.909+/-0.000 χ^2/NDF:40200883.5/20

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

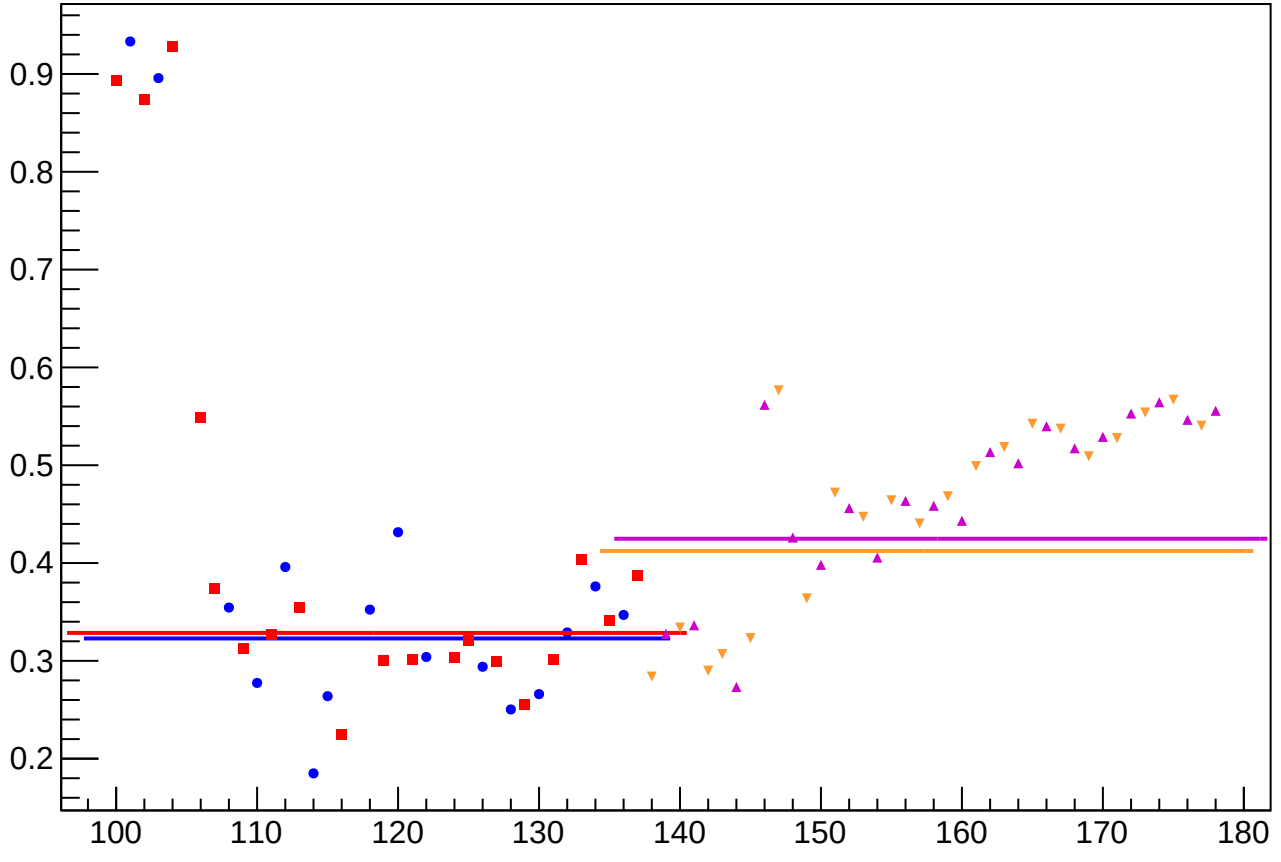
Left In: 147.493+/-0.000 χ^2/NDF:306018280.1/19

+ sign 146.454+/-0.000 χ^2/NDF: 4250153028.5/36

All: 146.332+/-0.000 χ^2/NDF: 9167154865.0

- sign 146.204+/-0.000 χ^2/NDF: 4912537533.9/38

yield_bcm_an_us_rms vs Slug



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.412+/-0.000 χ^2/NDF:1803272.2/20

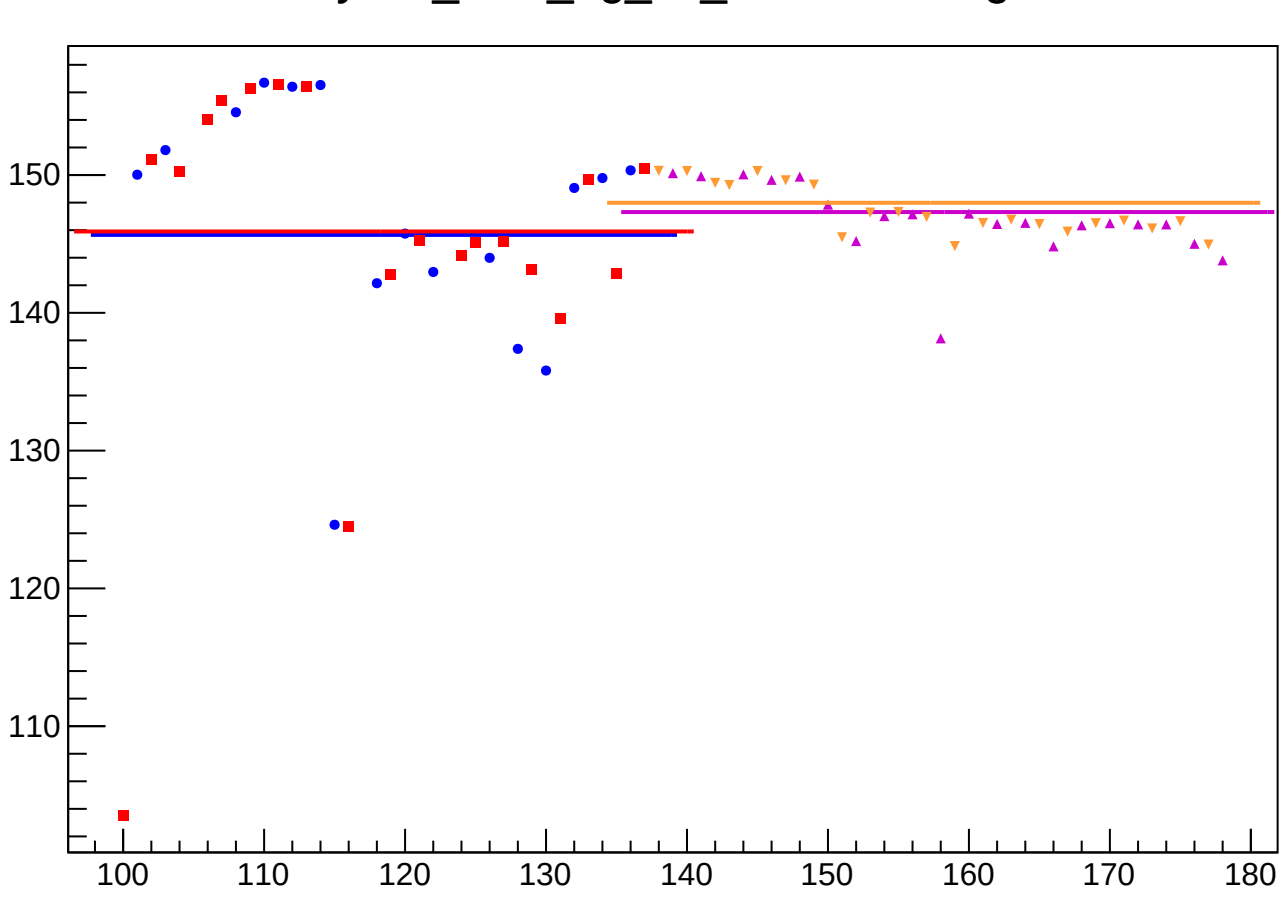
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.425+/-0.000 χ^2/NDF:1519236.7/19

+ sign 0.377+/-0.000 χ^2/NDF: 3756763.4/36

All: 0.382+/-0.000 χ^2/NDF: 7213840.4/75

- sign 0.386+/-0.000 χ^2/NDF: 3446901.8/38



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 147.986+/-0.000 χ^2/NDF:291448276.0/20

Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

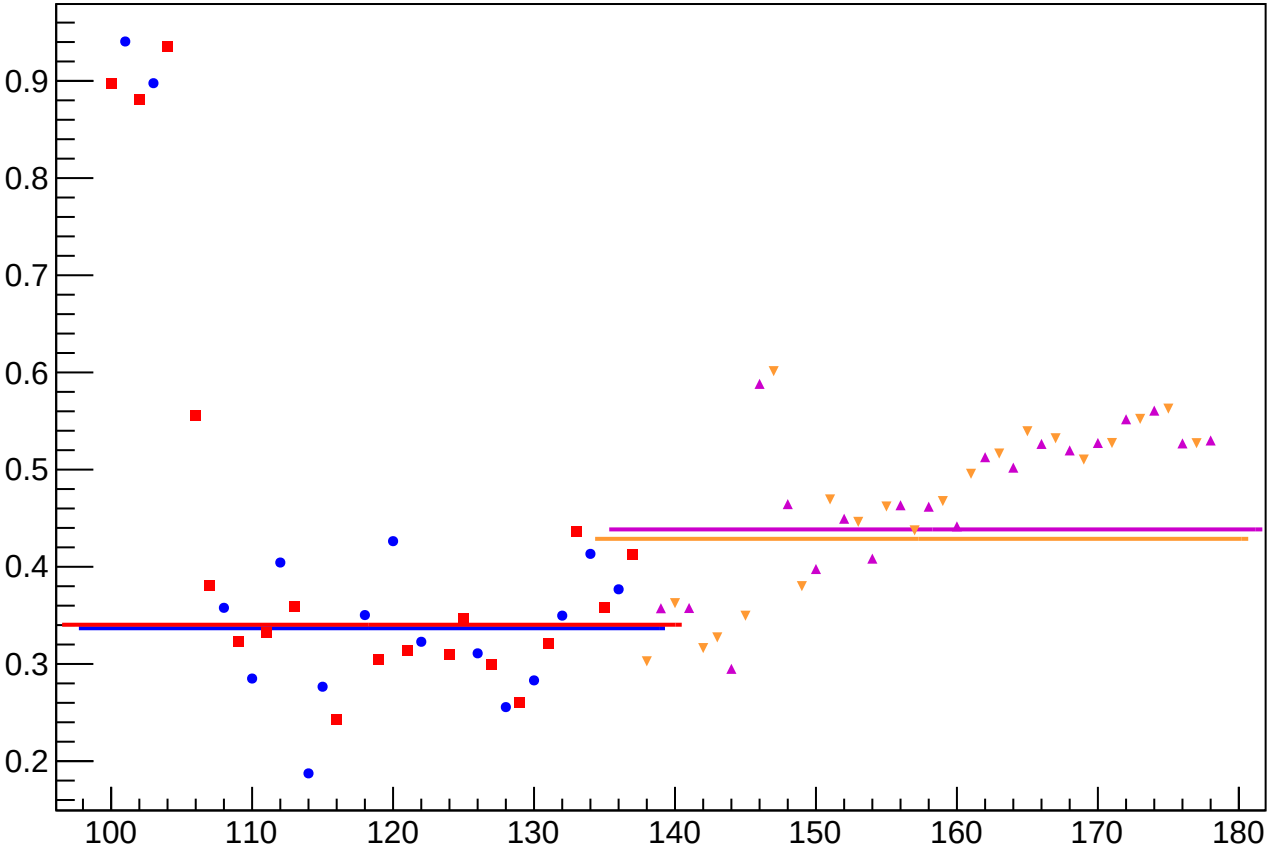
Left In: 147.314+/-0.000 χ^2/NDF:612569975.3/19

+ sign 147.089+/-0.000 χ^2/NDF: 3947906678.9/36

All: 146.923+/-0.000 χ^2/NDF: 8493880418.9

- sign 146.751+/-0.000 χ^2/NDF: 4538341749.2/38

yield_bcm_dg_us_rms vs Slug



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.429+/-0.000 χ^2/NDF:1337002.9/20

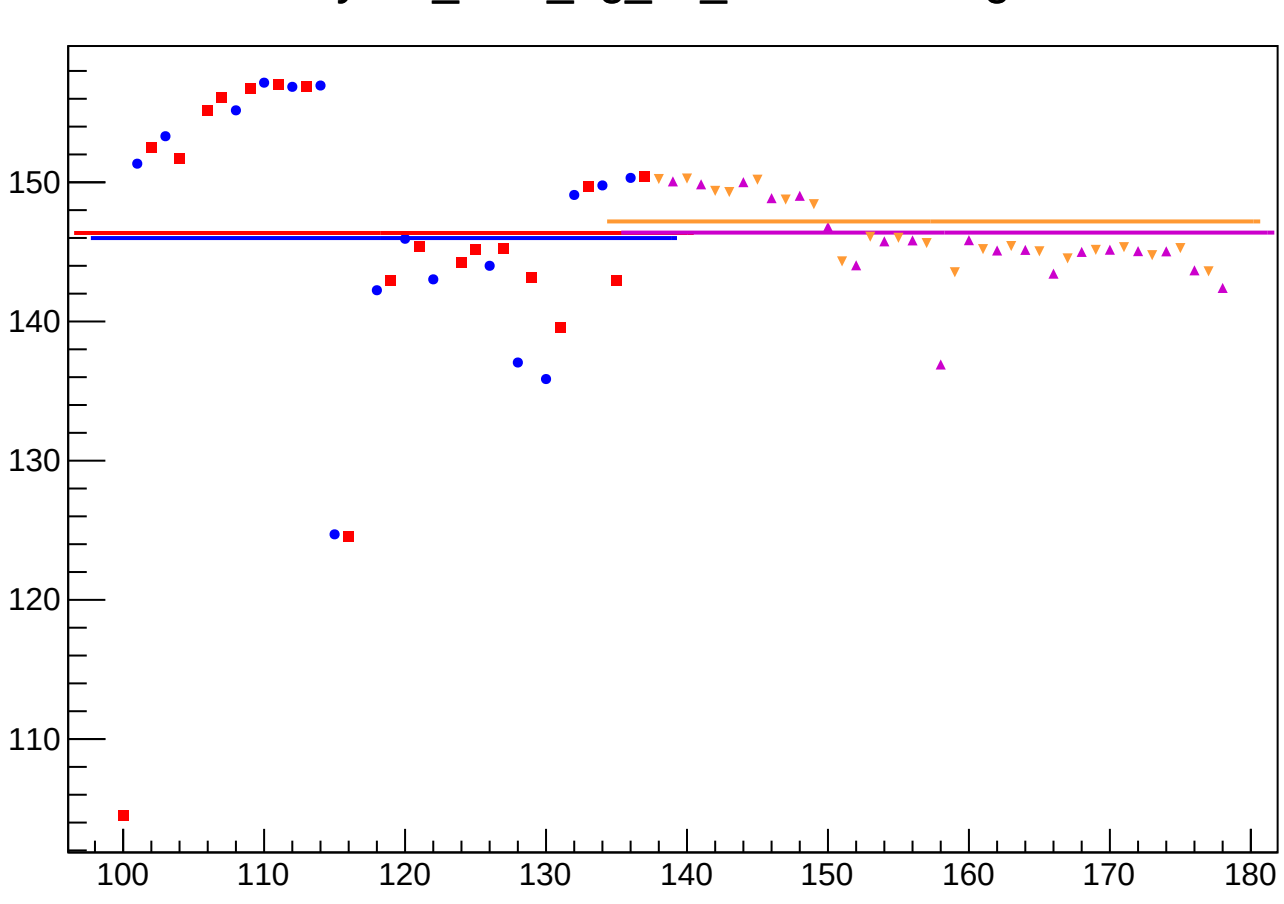
Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.438+/-0.000 χ^2/NDF:1130236.6/19

+ sign 0.393+/-0.000 χ^2/NDF: 3253540.1/36

All: 0.396+/-0.000 χ^2/NDF: 6271018.6/75

- sign 0.399+/-0.000 χ^2/NDF: 3012679.1/38



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 147.187+/-0.000 χ^2/NDF:488034059.9/20

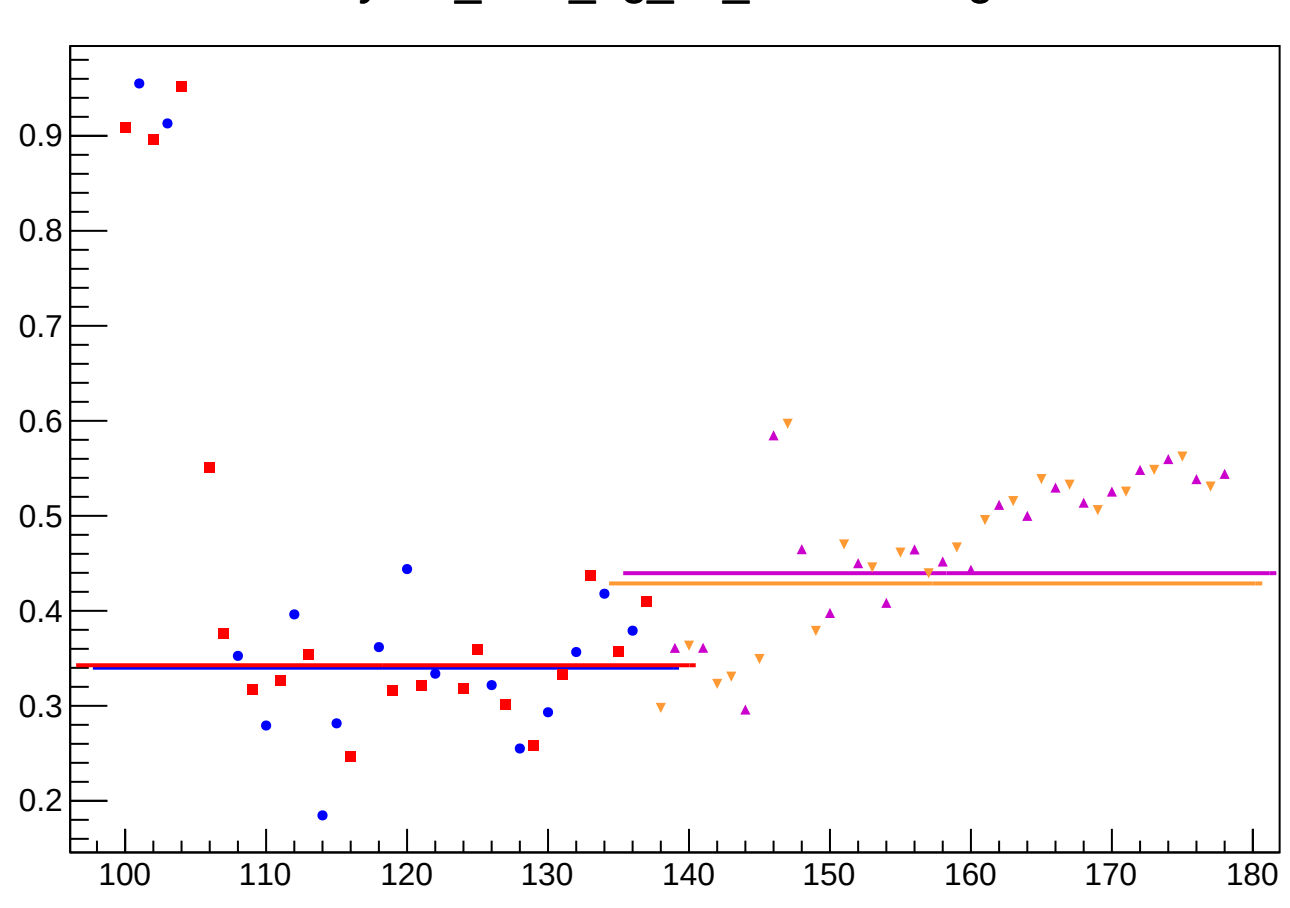
Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

Left In: 146.385+/-0.000 χ^2/NDF:812477040.9/19

+ sign 146.733+/-0.000 χ^2/NDF: 4154989737.1/36

All: 146.557+/-0.000 χ^2/NDF: 8939140548.2

- sign 146.375+/-0.000 χ^2/NDF: 4775622061.7/38



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.429+/-0.000 χ^2/NDF:1323188.1/20

Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

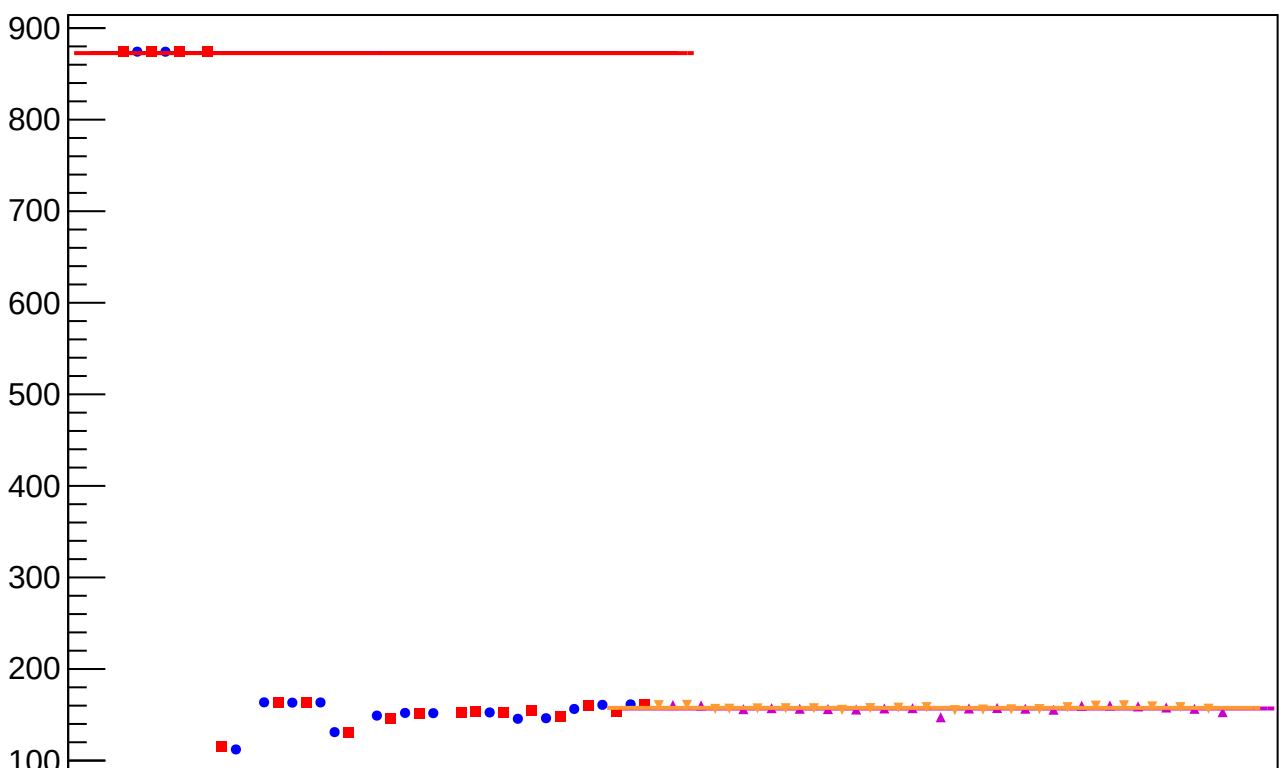
Left In: 0.440+/-0.000 χ^2/NDF:1104460.7/19

+ sign 0.395+/-0.000 χ^2/NDF: 3215987.9/36

All: 0.398+/-0.000 χ^2/NDF: 6182394.2/75

- sign 0.401+/-0.000 χ^2/NDF: 2961555.7/38

yield_cav4bQ_mean vs Slug



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 157.569+/-0.000 χ^2/NDF:92469403.6/20

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

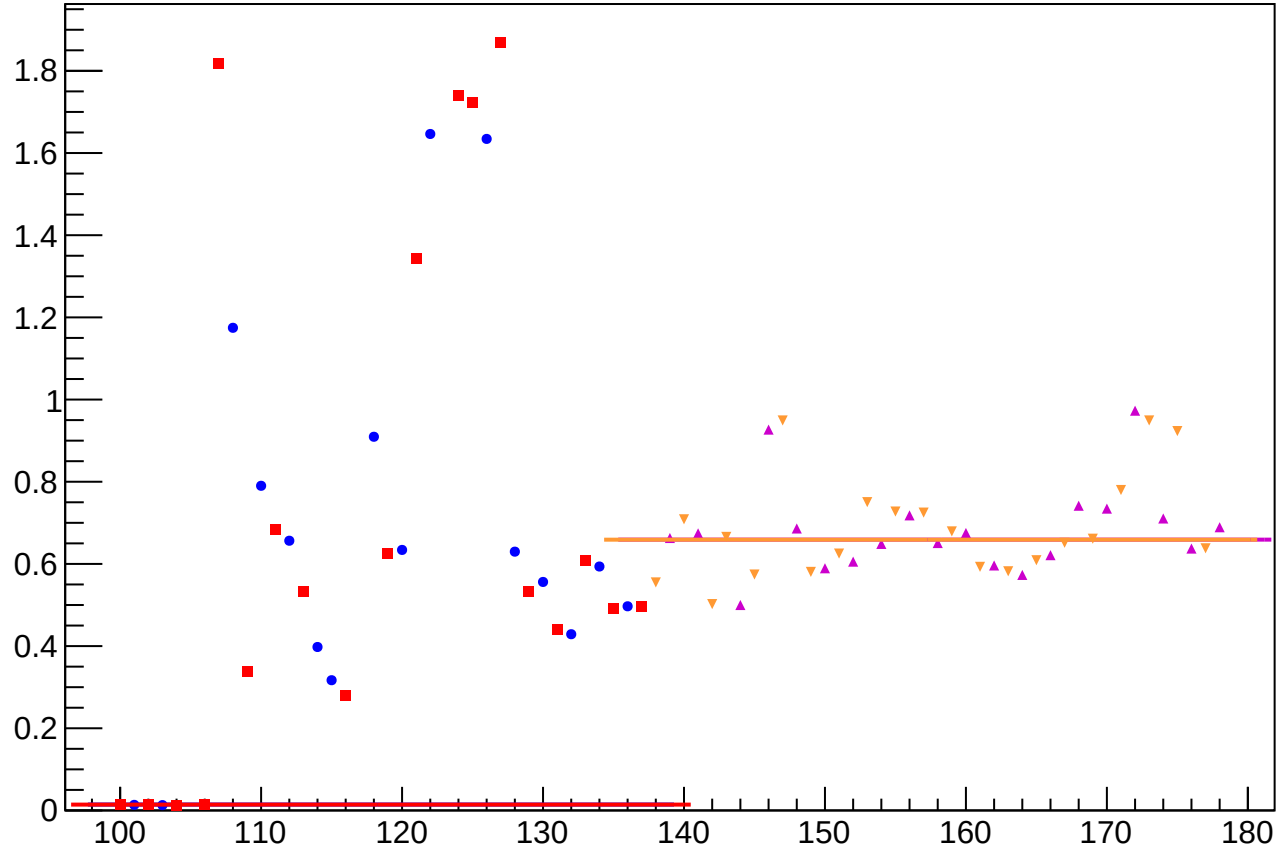
Left In: 156.882+/-0.000 χ^2/NDF:227209094.8/19

+ sign 869.924+/-0.000 χ^2/NDF: 21959245454413.

All: 870.056+/-0.000 χ^2/NDF: 45842891753

- sign 870.171+/-0.000 χ^2/NDF: 23883412054191.

yield_cav4bQ_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.659+/-0.000 χ^2/NDF:606740.0/20

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

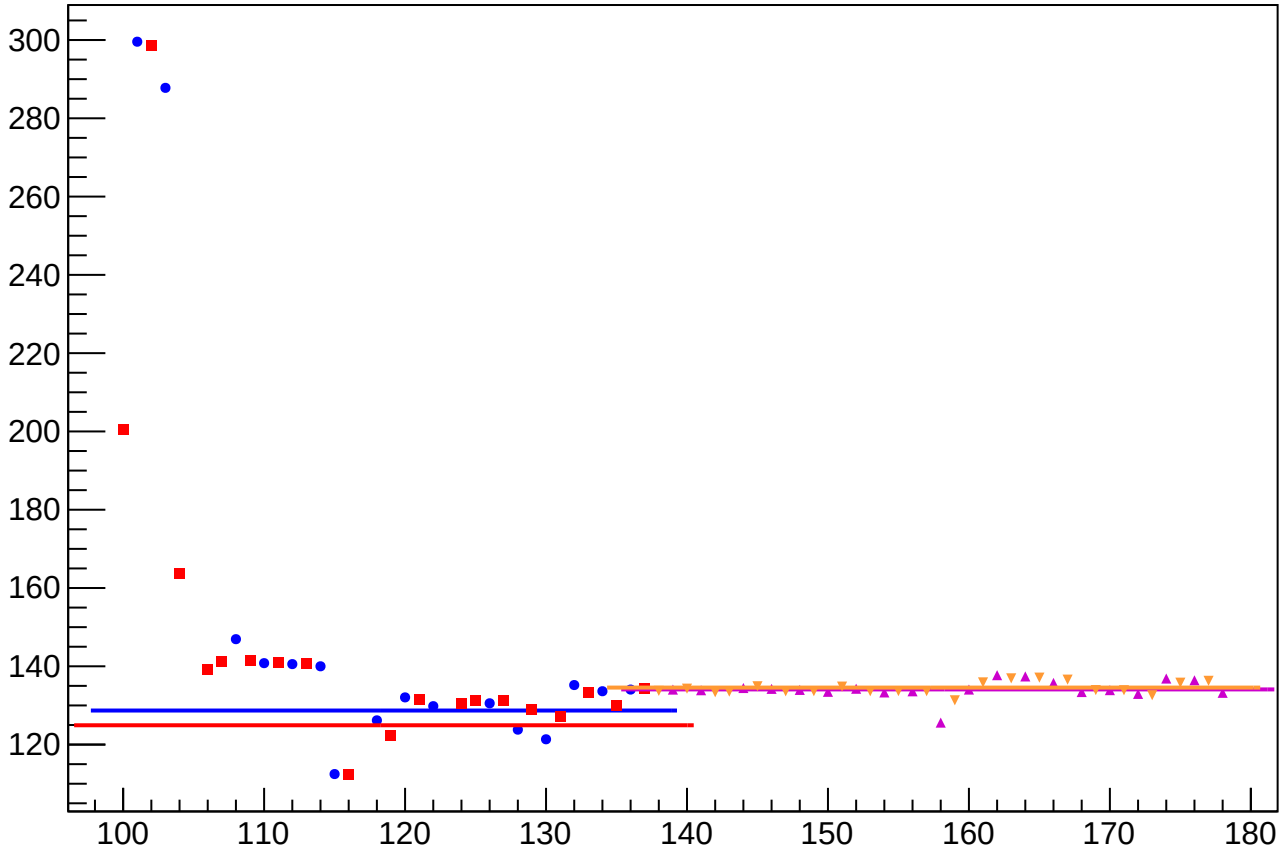
Left In: 0.659+/-0.000 χ^2/NDF:464583.5/19

+ sign 0.017+/-0.000 χ^2/NDF: 34219248.0/36

All: 0.017+/-0.000 χ^2/NDF: 67982107.2/75

- sign 0.016+/-0.000 χ^2/NDF: 33760971.3/38

yield_cav4cQ_mean vs Slug



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 134.562+/-0.000 χ^2/NDF:136818368.6/20

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

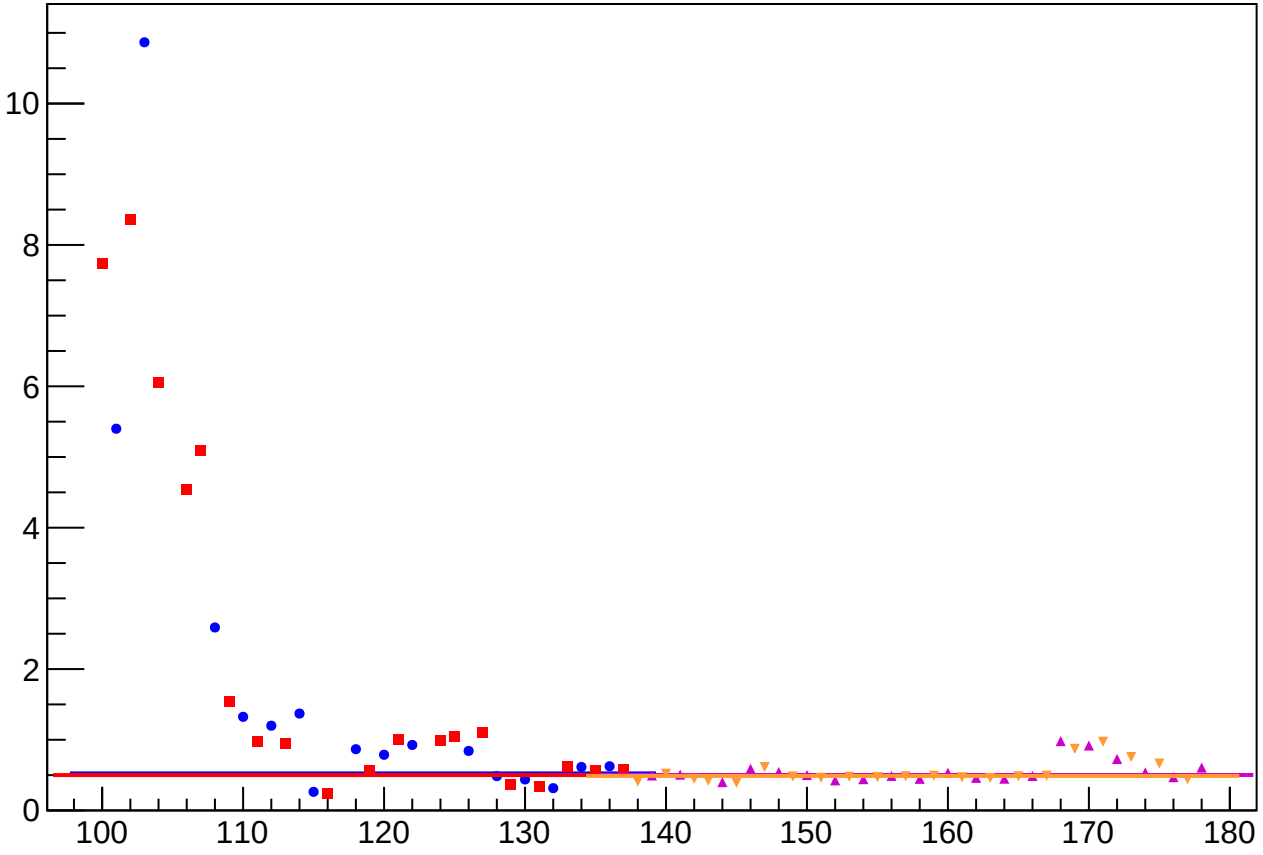
Left In: 134.094+/-0.000 χ^2/NDF:410349083.9/19

+ sign 133.491+/-0.000 χ^2/NDF: 2168271082.2/36

All: 132.887+/-0.000 χ^2/NDF: 4971664839.8

- sign 132.254+/-0.000 χ^2/NDF: 2748752915.9/38

yield_cav4cQ_rms vs Slug



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.488+/-0.000 χ^2/NDF:1164170.0/20

Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

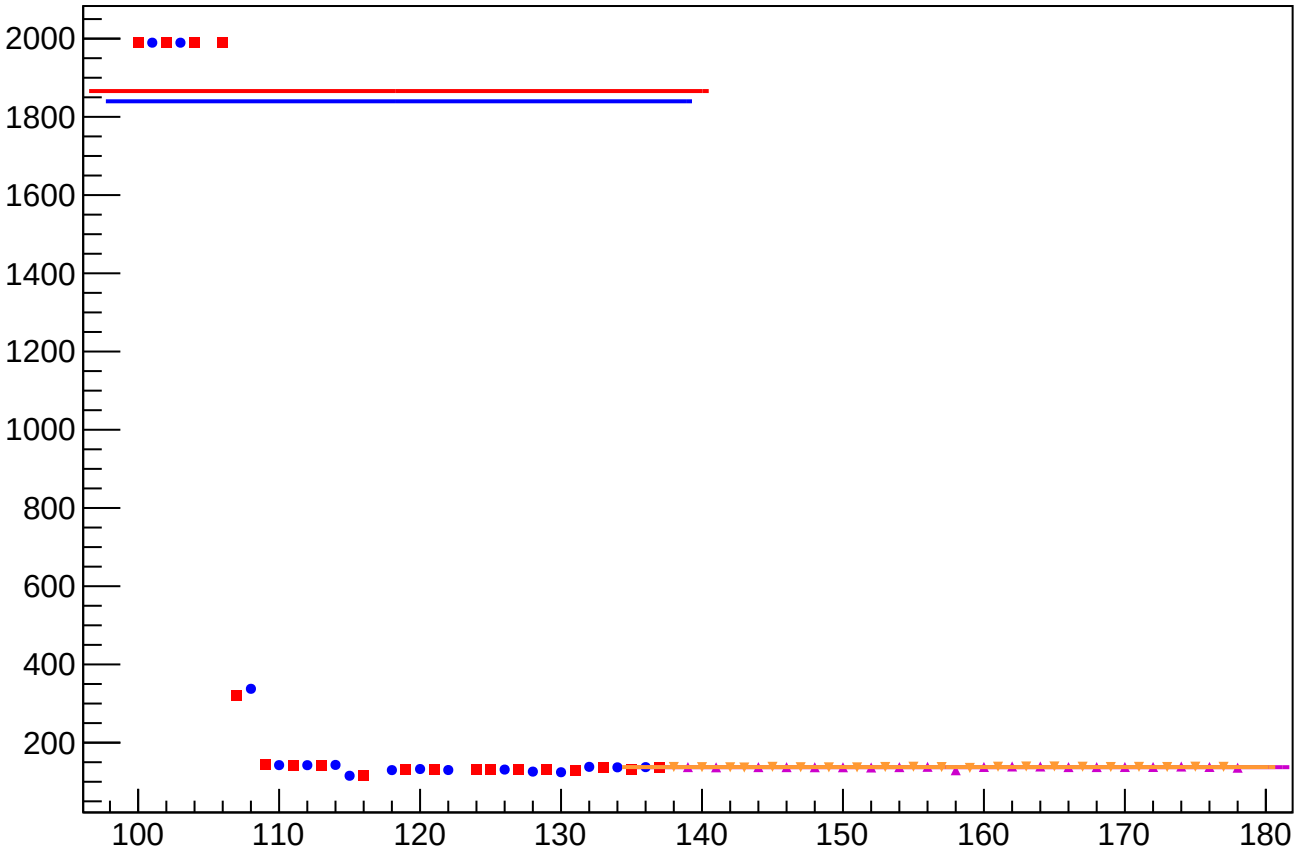
Left In: 0.502+/-0.000 χ^2/NDF:1135855.0/19

+ sign 0.495+/-0.000 χ^2/NDF: 5330318.4/36

All: 0.498+/-0.000 χ^2/NDF: 11353530.8/75

- sign 0.502+/-0.000 χ^2/NDF: 6020032.2/38

yield_cav4dQ_mean vs Slug



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.555+/-0.000 χ^2/NDF:62943090.3/20

Right Out: 1865.968+/-0.000 χ^2/NDF: 1427691222760 45.8/18

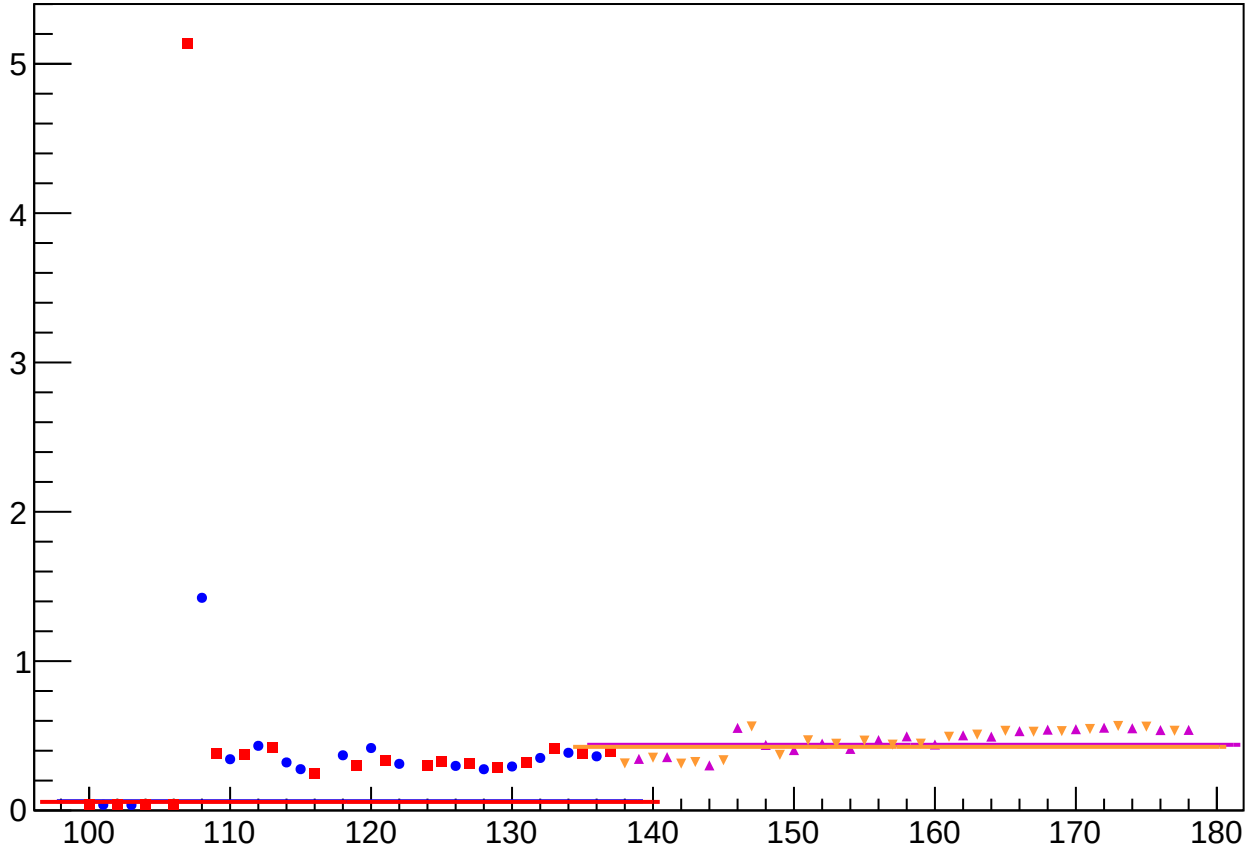
Left In: 137.292+/-0.000 χ^2/NDF:242918033.8/19

+ sign 1618.445+/-0.000 χ^2/NDF: 3607954405968 3

All: 1652.617+/-0.000 χ^2/NDF: 7159887626 8

- sign 1682.690+/-0.000 χ^2/NDF: 35375410614080

yield_cav4dQ_rms vs Slug



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.426+/-0.000 χ^2/NDF:1363432.7/20

Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

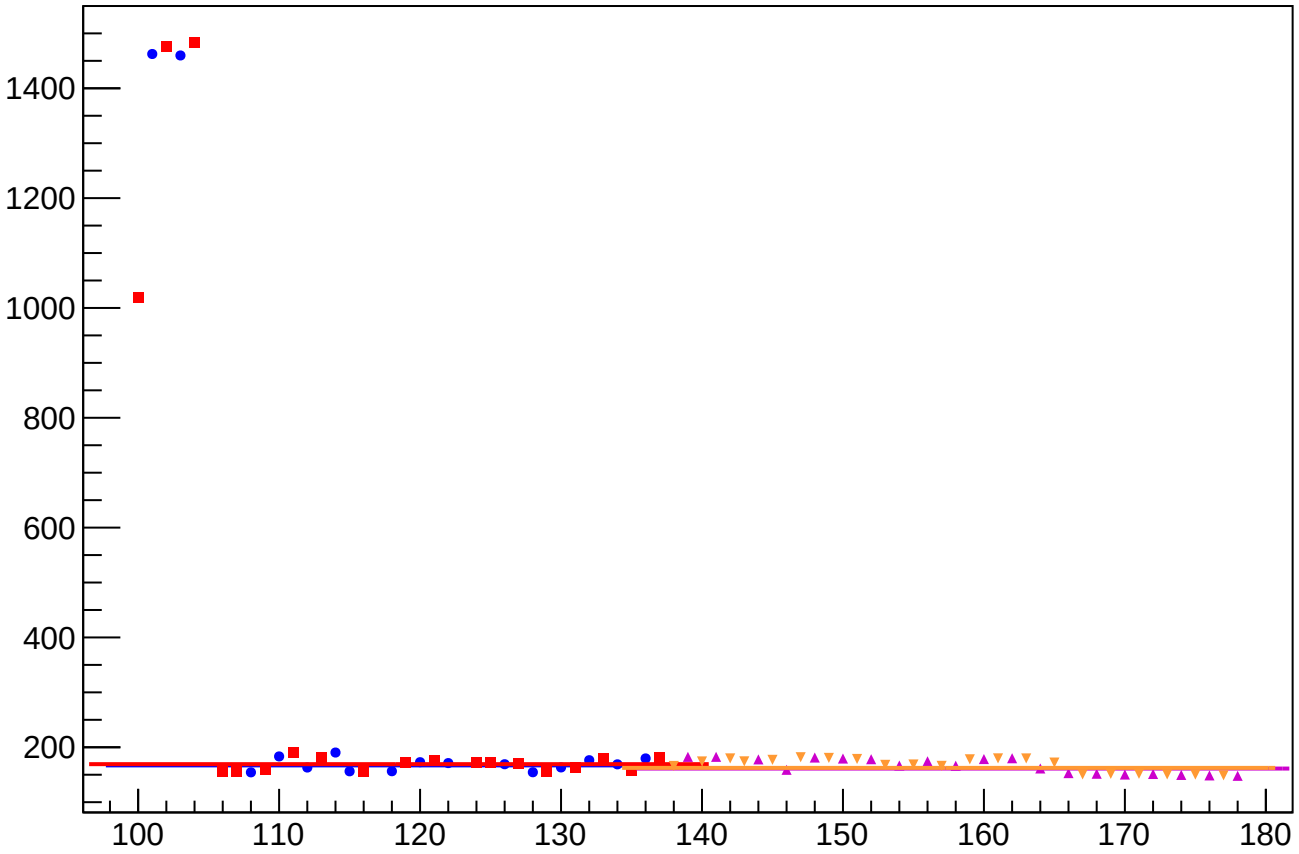
Left In: 0.440+/-0.000 χ^2/NDF:1123167.3/19

+ sign 0.109+/-0.000 χ^2/NDF: 29207517.9/36

All: 0.103+/-0.000 χ^2/NDF: 58808921.8/75

- sign 0.098+/-0.000 χ^2/NDF: 29512406.8/38

yield_bcm0l02_mean vs Slug



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 162.462+/-0.000 χ^2/NDF:3218277202.8/20

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

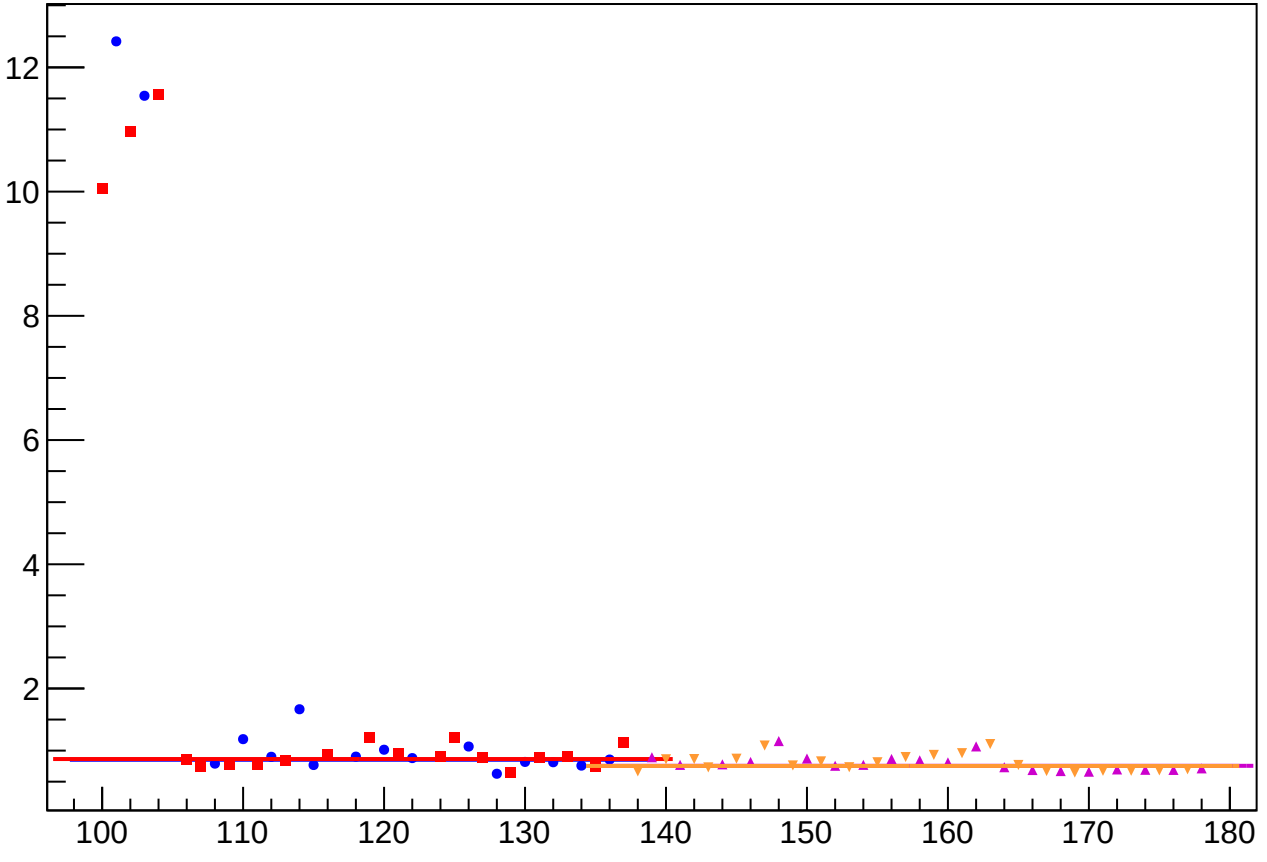
Left In: 161.229+/-0.000 χ^2/NDF:3437292498.1/19

+ sign 163.383+/-0.000 χ^2/NDF: 17920887319.9/36

All: 163.142+/-0.000 χ^2/NDF: 37956827062.

- sign 162.901+/-0.000 χ^2/NDF: 20032894785.2/38

yield_bcm0l02_rms vs Slug



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.753+/-0.000 χ^2/NDF:533027.3/20

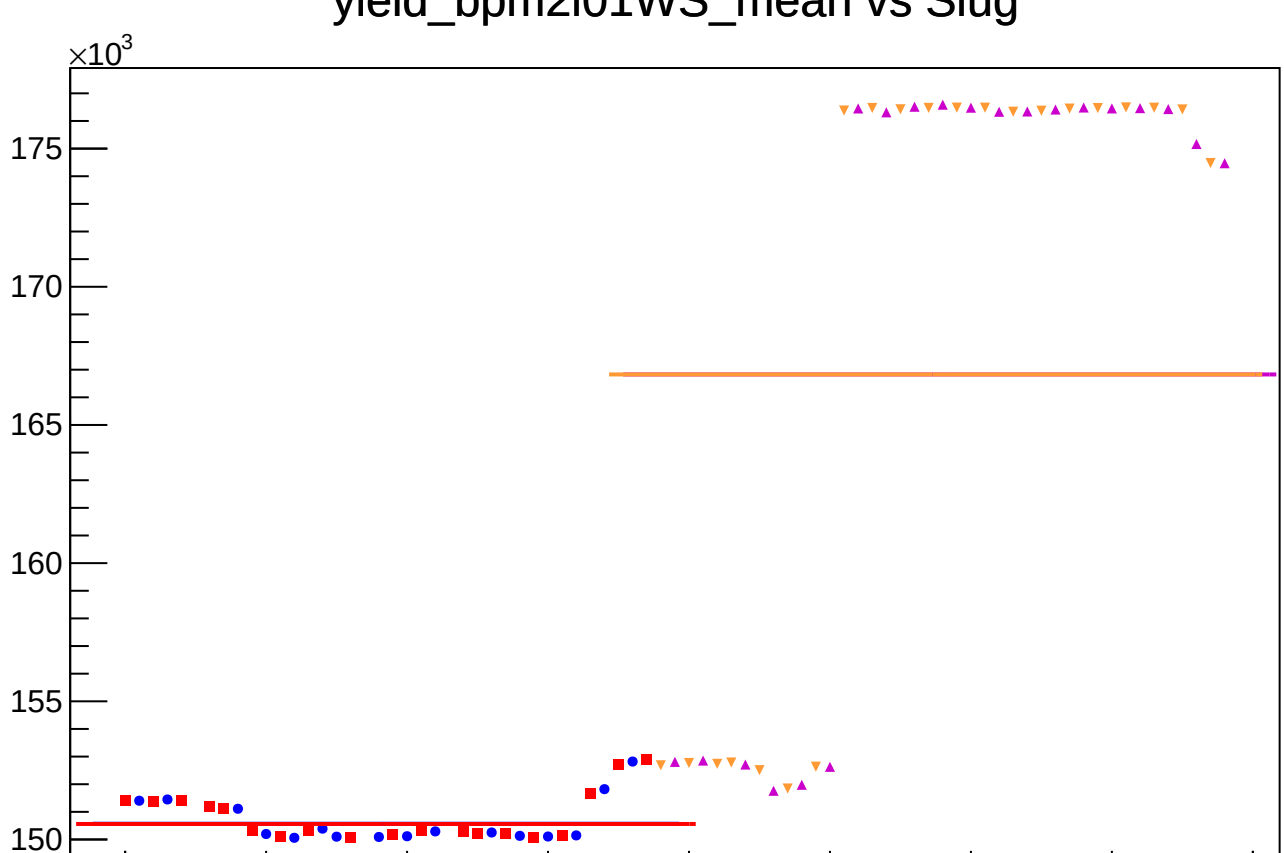
Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.755+/-0.000 χ^2/NDF:426036.6/19

+ sign 0.773+/-0.000 χ^2/NDF: 2919665.8/36

All: 0.776+/-0.000 χ^2/NDF: 5658306.3/75

- sign 0.778+/-0.000 χ^2/NDF: 2738084.4/38



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 166828.368+/-0.049 χ^2/NDF:57777467241.4/20

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

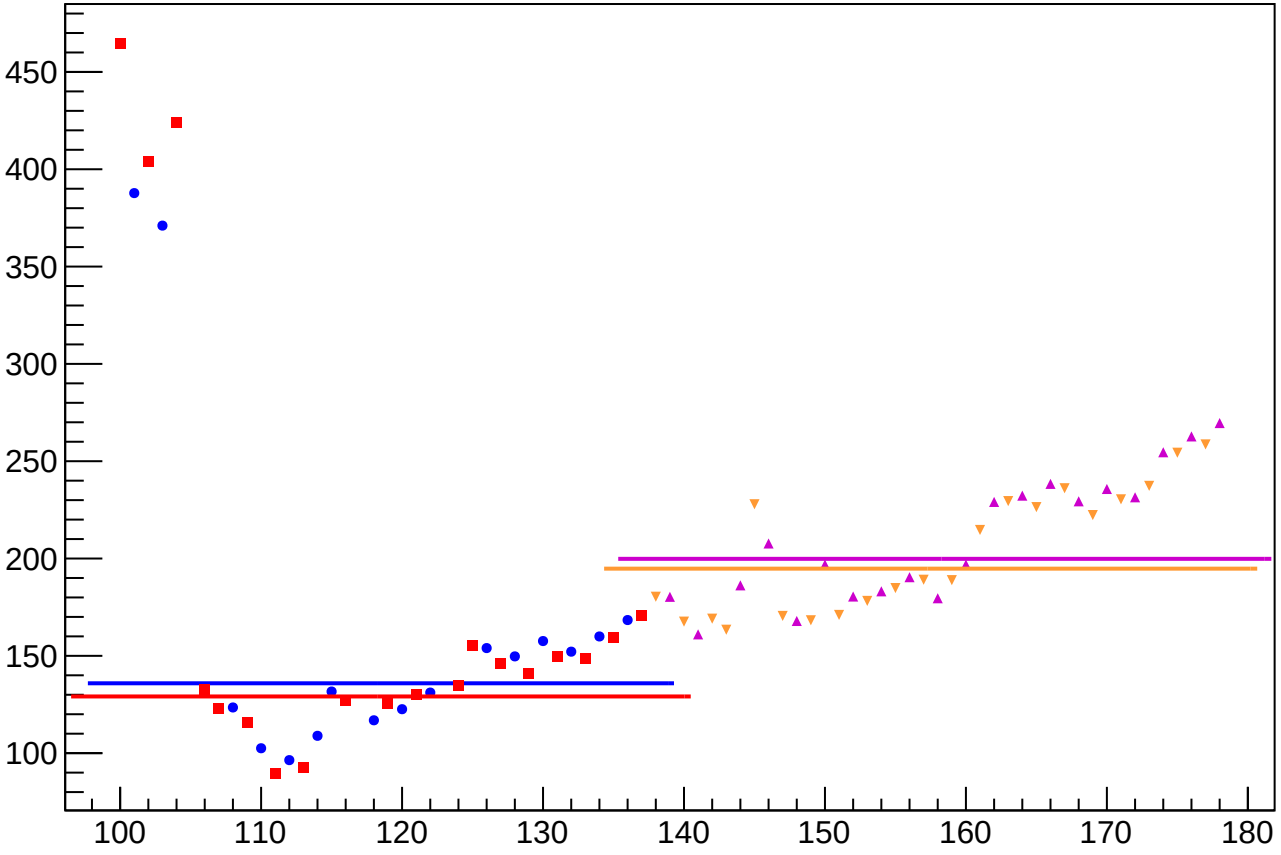
Left In: 166827.644+/-0.050 χ^2/NDF:53895361223.5/19

+ sign 159655.767+/-0.036 χ^2/NDF: 10755805946

All: 159227.872+/-0.025 χ^2/NDF: 2135532

- sign 158811.241+/-0.036 χ^2/NDF: 105720510534

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 194.797+/-0.034 χ^2/NDF:722699.5/20

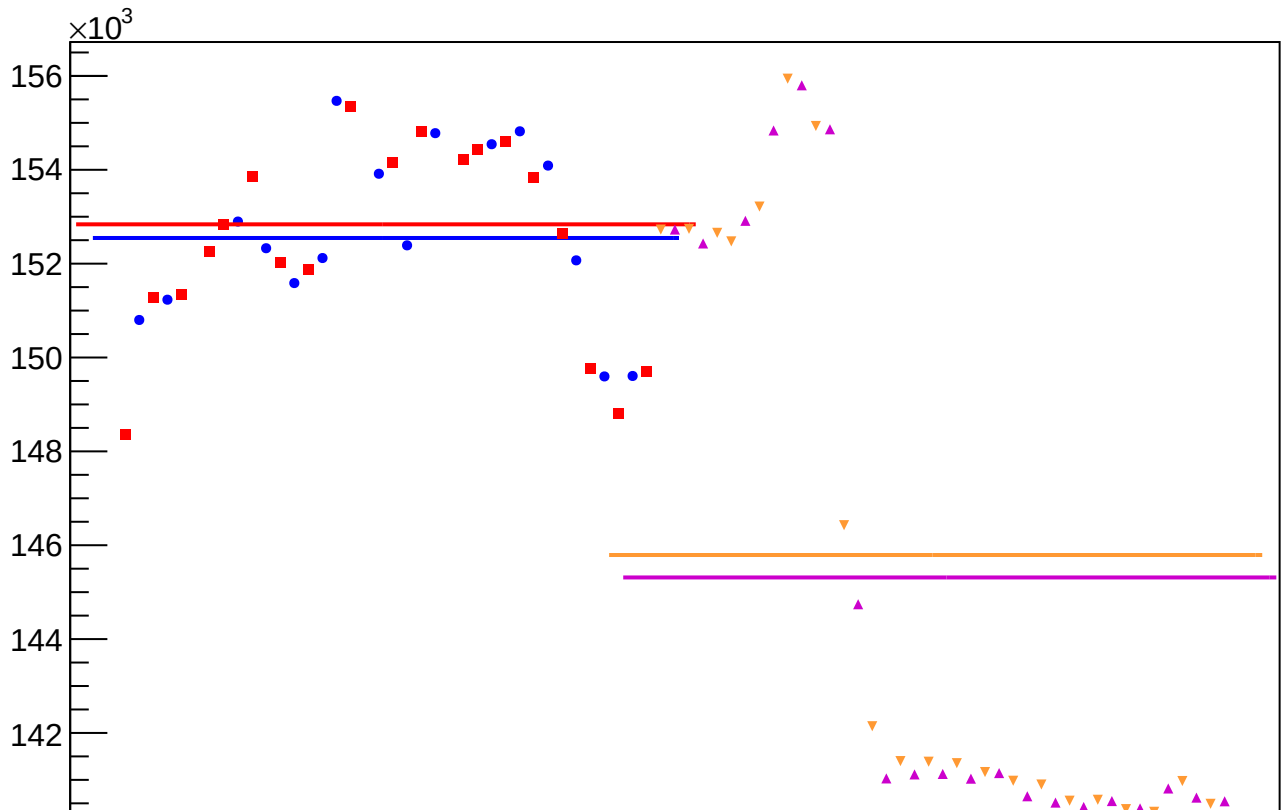
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 199.839+/-0.036 χ^2/NDF:690653.8/19

+ sign 168.814+/-0.026 χ^2/NDF: 3439300.1/36

All: 166.877+/-0.018 χ^2/NDF: 7706663.1/75

- sign 164.991+/-0.025 χ^2/NDF: 4256105.9/38



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 145791.682+/-0.052 χ^2/NDF:12657988662.5/20

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

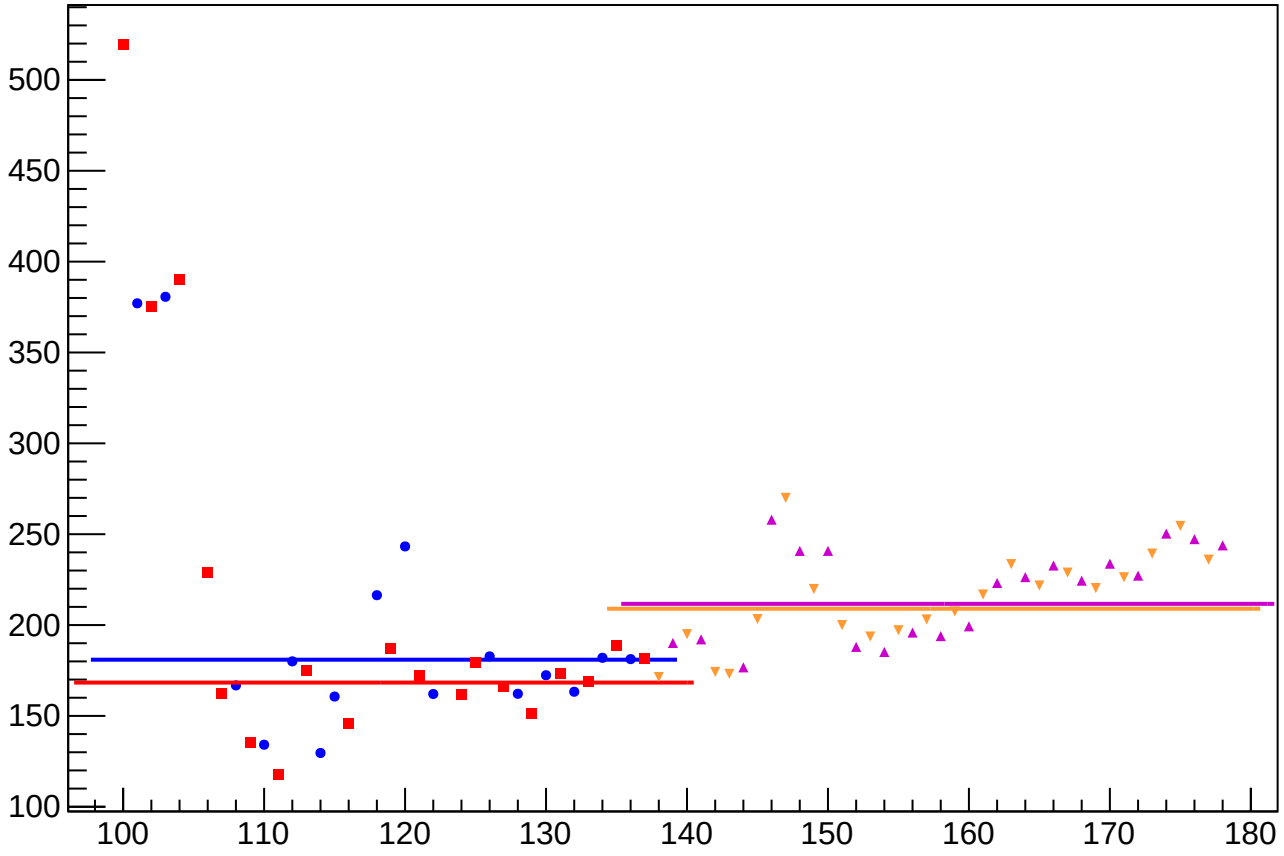
Left In: 145313.275+/-0.053 χ^2/NDF:12553646841.3/19

+ sign 148078.828+/-0.042 χ^2/NDF: 19036578927.

All: 148159.127+/-0.030 χ^2/NDF: 40125649

- sign 148236.778+/-0.042 χ^2/NDF: 21081965872.6

yield_bpm0i07WS_rms vs Slug



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 208.978+/-0.037 χ^2/NDF:442478.0/20

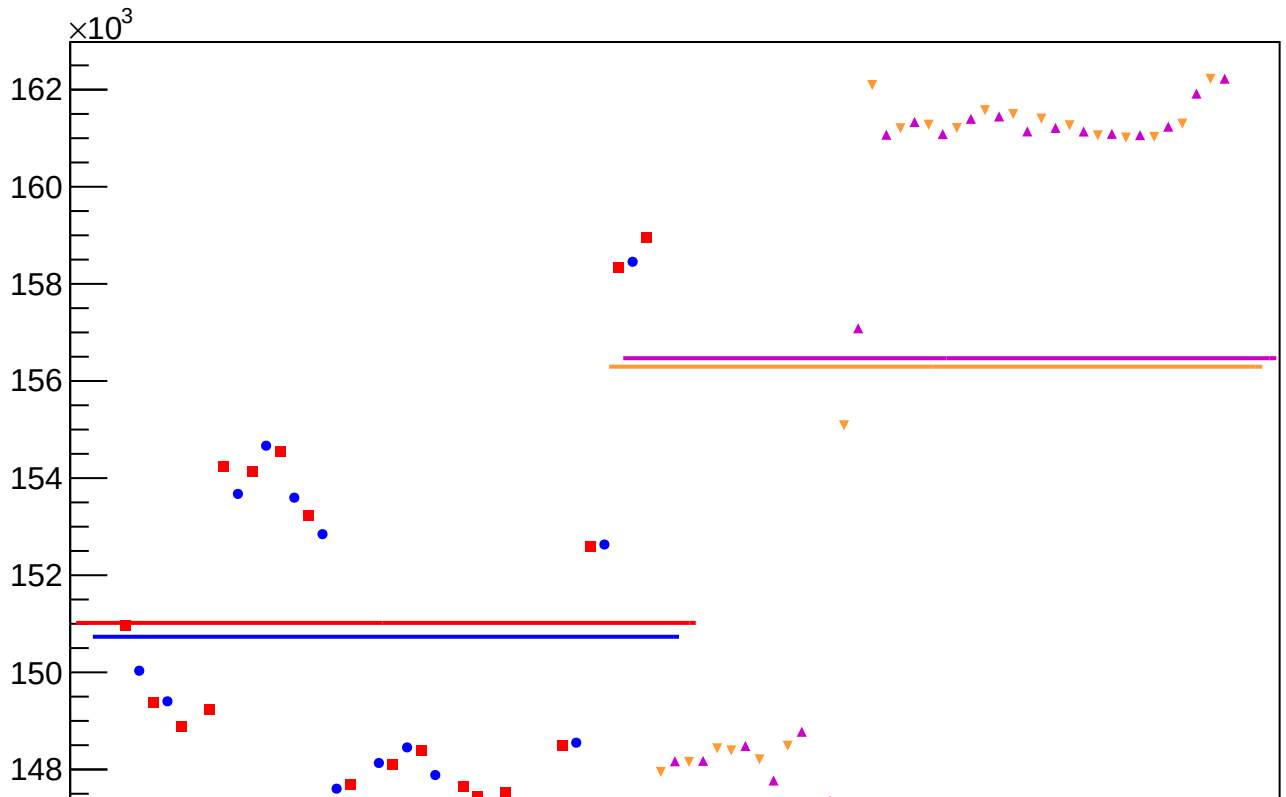
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 211.674+/-0.038 χ^2/NDF:449316.1/19

+ sign 199.484+/-0.030 χ^2/NDF: 1547471.7/36

All: 197.124+/-0.021 χ^2/NDF: 3614750.8/75

- sign 194.841+/-0.029 χ^2/NDF: 2055000.8/38



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 156294.785+/-0.051 χ^2/NDF:15298944685.8/20

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

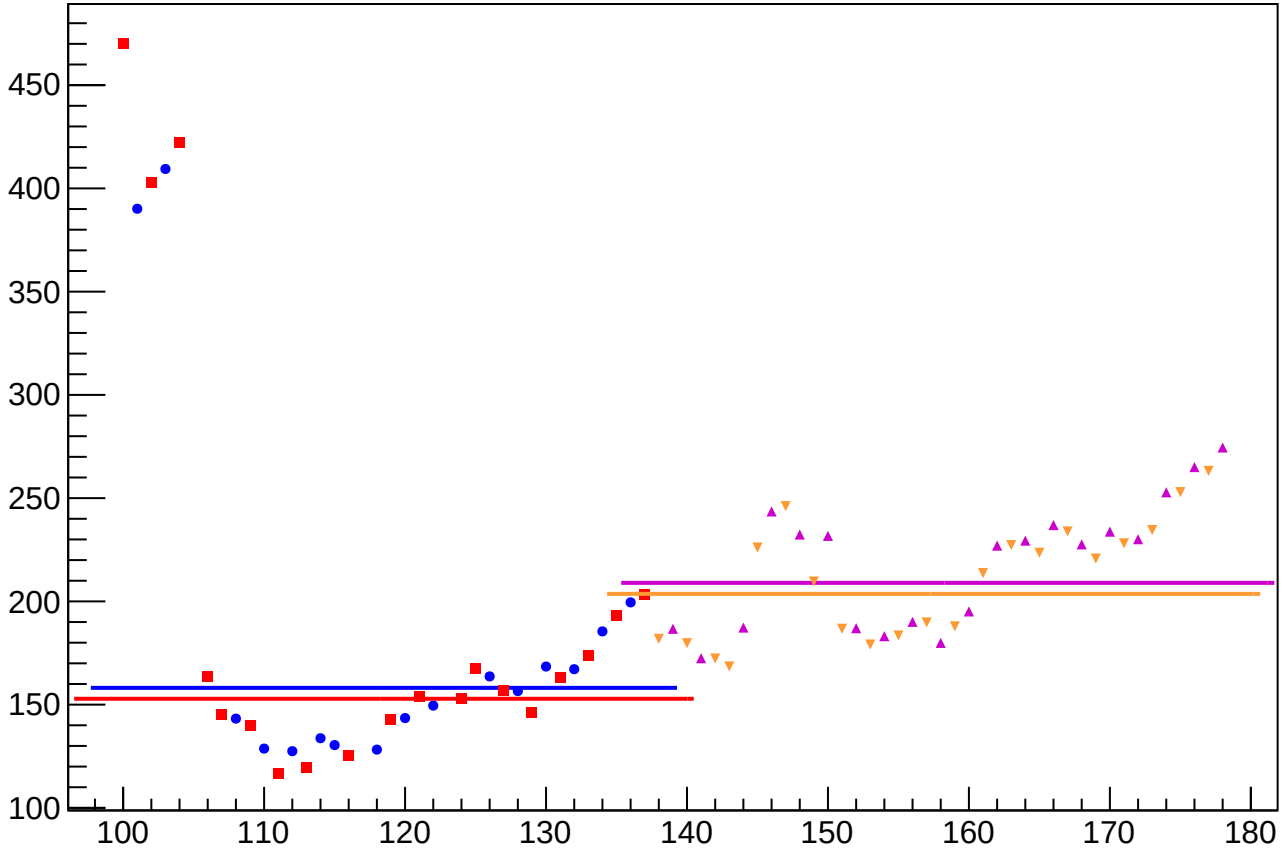
Left In: 156469.431+/-0.052 χ^2/NDF:13662342464.2/19

+ sign 154109.396+/-0.039 χ^2/NDF: 23328733000.

All: 154109.223+/-0.028 χ^2/NDF: 44948082

- sign 154109.050+/-0.040 χ^2/NDF: 21619349721.8

yield_bpm0i01WS_rms vs Slug



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 203.641+/-0.036 χ^2/NDF:557975.2/20

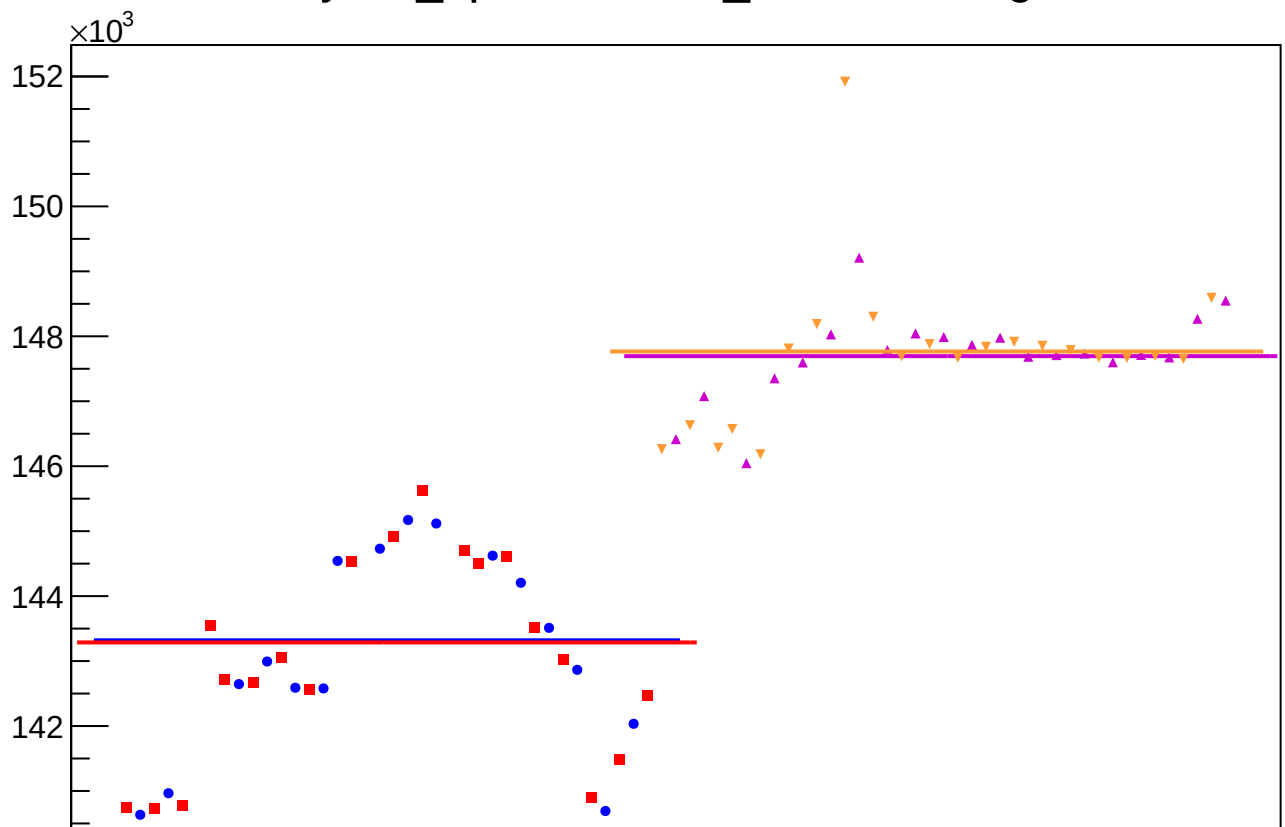
Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 208.976+/-0.037 χ^2/NDF:602643.9/19

+ sign 185.760+/-0.028 χ^2/NDF: 2389087.6/36

All: 185.216+/-0.020 χ^2/NDF: 5247447.9/75

- sign 184.668+/-0.028 χ^2/NDF: 2857594.4/38



Right In: 143319.651+/-0.053 χ^2/NDF: 559301530.7/15

Left Out: 147766.595+/-0.047 χ^2/NDF:681146419.8/20

Right Out: 143286.960+/-0.050 χ^2/NDF: 620521577.8/18

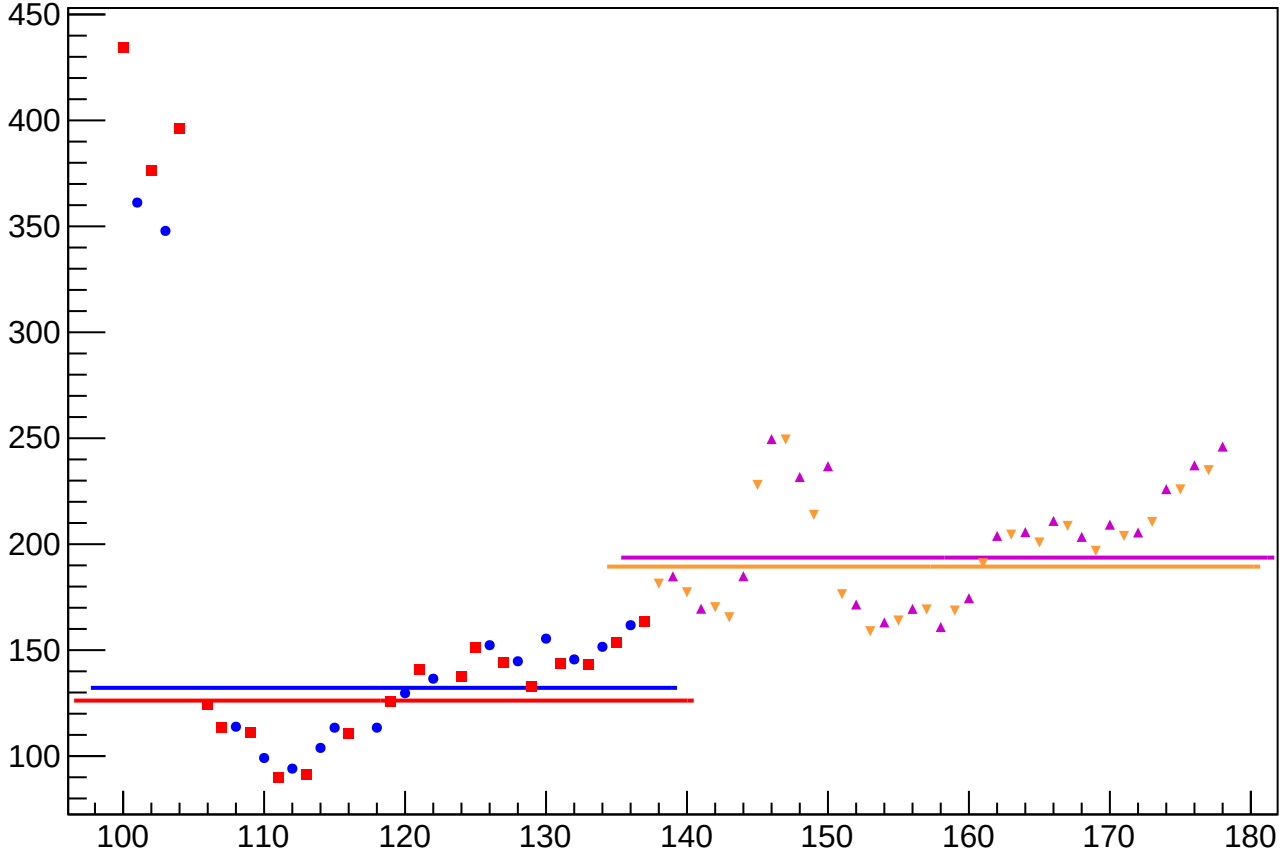
Left In: 147694.391+/-0.049 χ^2/NDF:213996250.5/19

+ sign 145810.651+/-0.035 χ^2/NDF: 5165533520.9

All: 145671.629+/-0.025 χ^2/NDF: 10042922

- sign 145536.124+/-0.035 χ^2/NDF: 4846643207.7/

yield_bpm0i01aWS_rms vs Slug



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 189.417+/-0.033 χ^2/NDF:529980.1/20

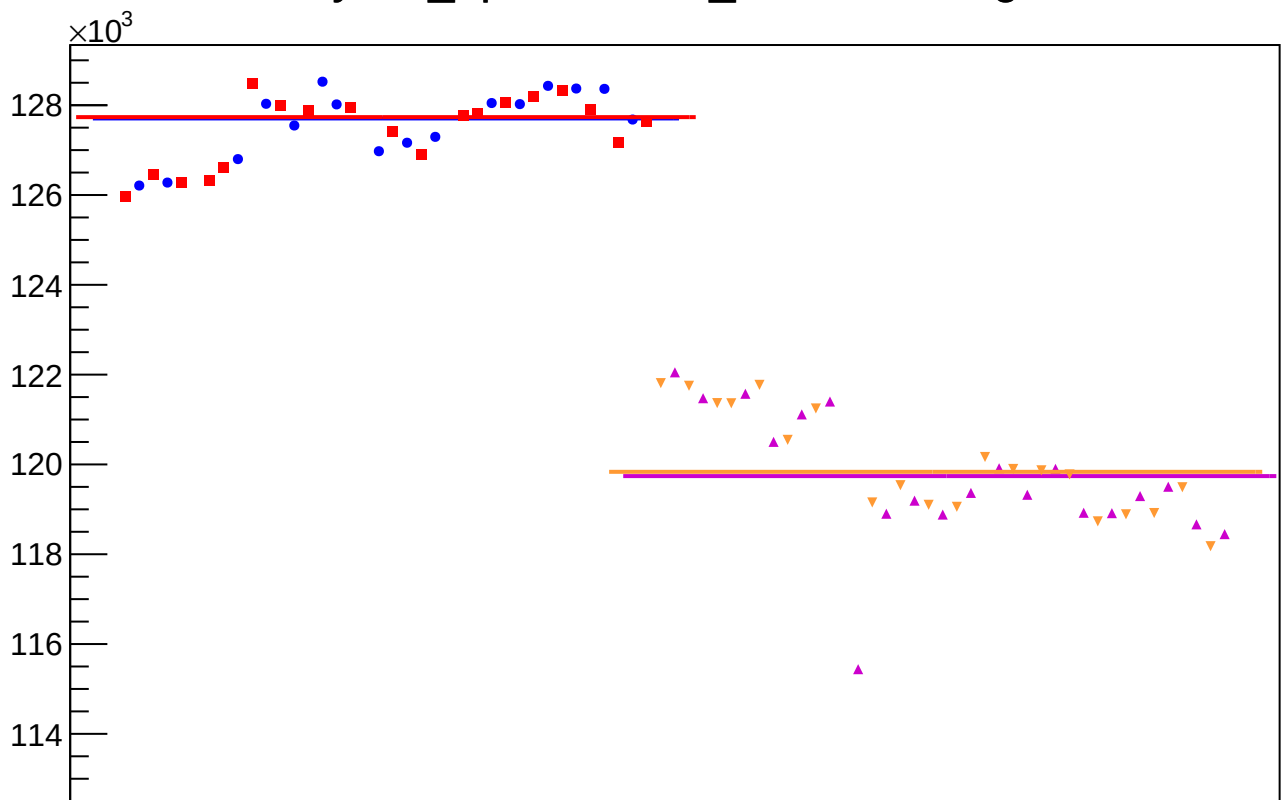
Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 193.666+/-0.034 χ^2/NDF:633390.4/19

+ sign 164.252+/-0.025 χ^2/NDF: 3208543.0/36

All: 162.415+/-0.018 χ^2/NDF: 7278421.8/75

- sign 160.625+/-0.025 χ^2/NDF: 4059140.1/38



Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 119835.554+/-0.047 χ^2/NDF:1878555978.5/20

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

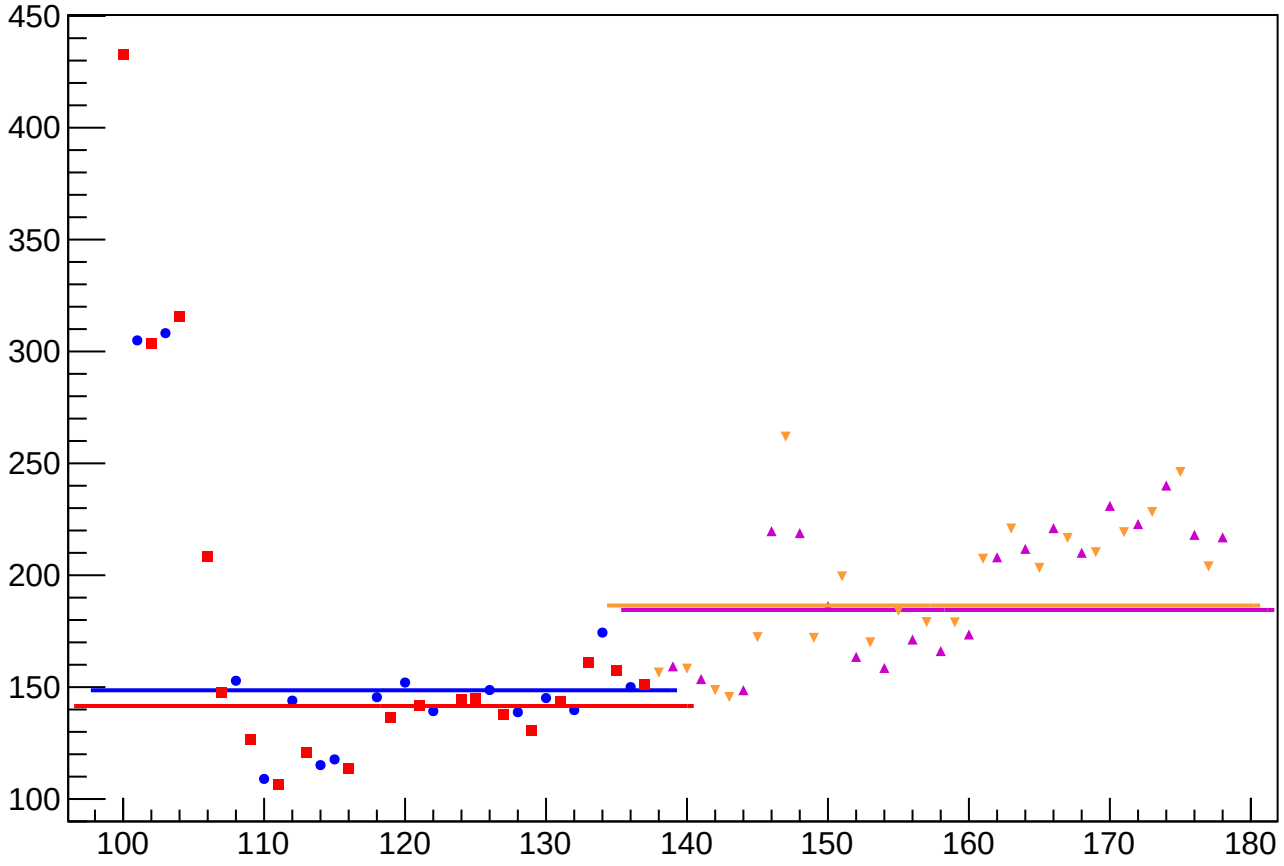
Left In: 119740.143+/-0.047 χ^2/NDF:1236813060.6/19

+ sign 122911.905+/-0.037 χ^2/NDF: 13037191598.

All: 123005.821+/-0.025 χ^2/NDF: 26696663

- sign 123094.910+/-0.036 χ^2/NDF: 13646587435.

yield_bpm0l01WS_rms vs Slug



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 186.479+/-0.033 χ^2/NDF:781871.2/20

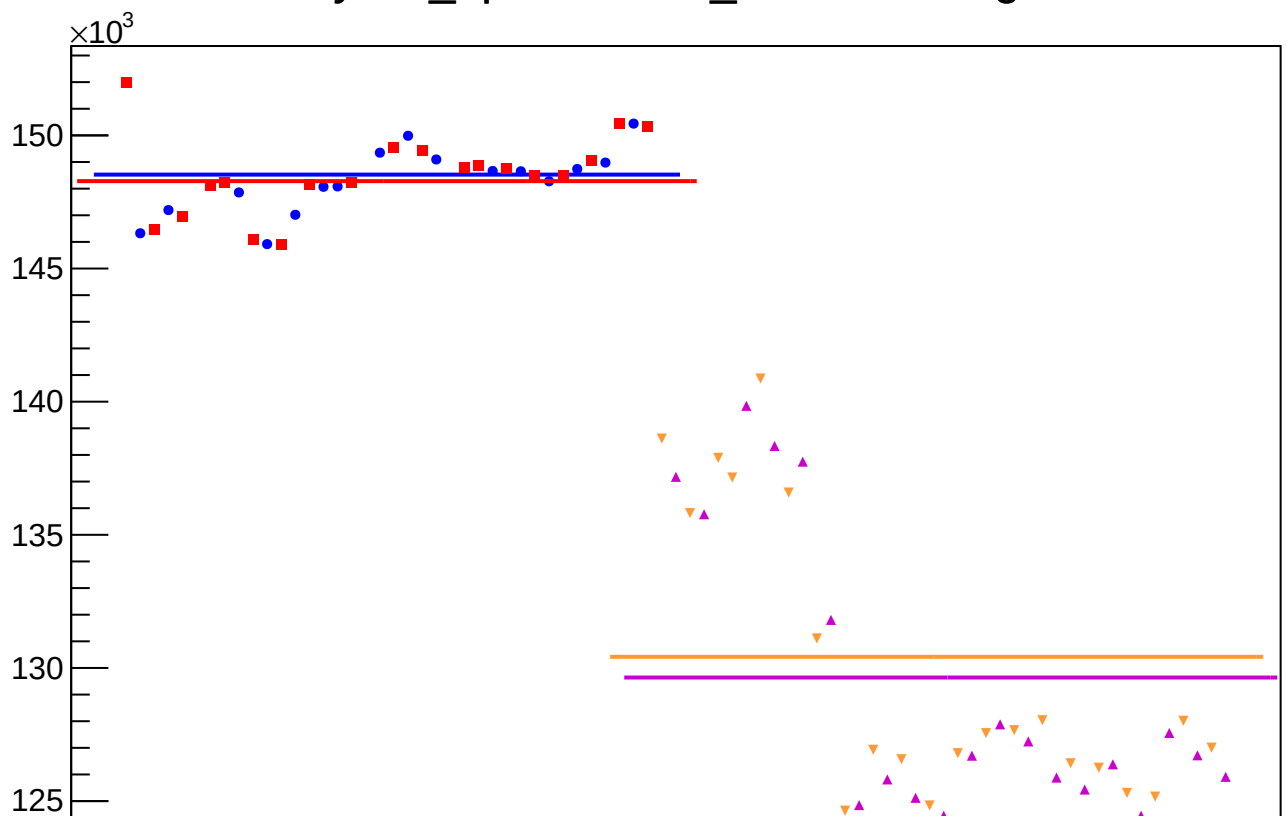
Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 184.486+/-0.033 χ^2/NDF:774724.3/19

\+ sign 171.669+/-0.026 χ^2/NDF: 2121955.7/36

All: 169.003+/-0.018 χ^2/NDF: 4627858.3/75

\- sign 166.474+/-0.025 χ^2/NDF: 2485140.5/38



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 130418.272+/-0.068 χ^2/NDF:6094813821.9/20

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

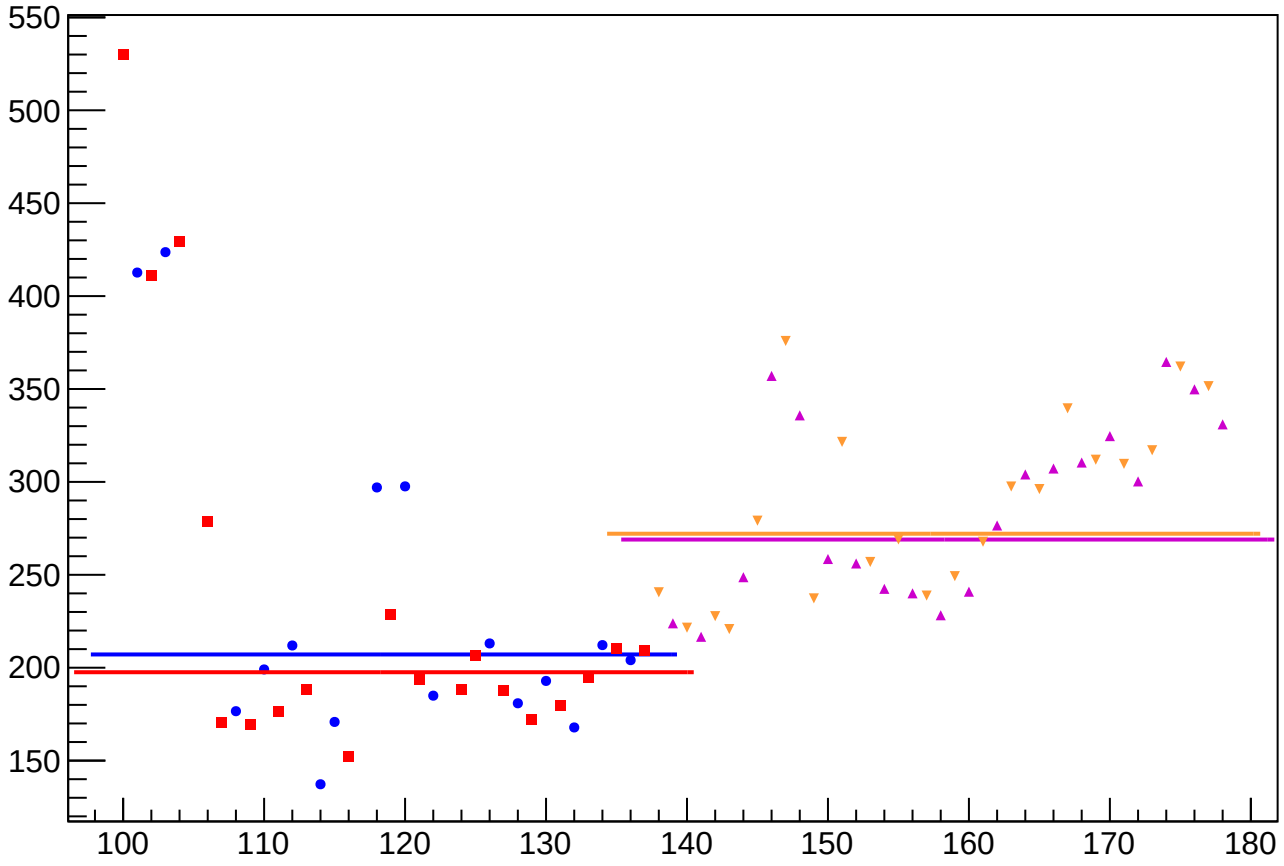
Left In: 129640.916+/-0.068 χ^2/NDF:6366081119.8/19

+ sign 137811.455+/-0.052 χ^2/NDF: 35207624297.

All: 137827.746+/-0.036 χ^2/NDF: 75028150

- sign 137843.092+/-0.051 χ^2/NDF: 39820337922.6

yield_bpm0l02WS_rms vs Slug



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 272.111+/-0.048 χ^2/NDF:831349.7/20

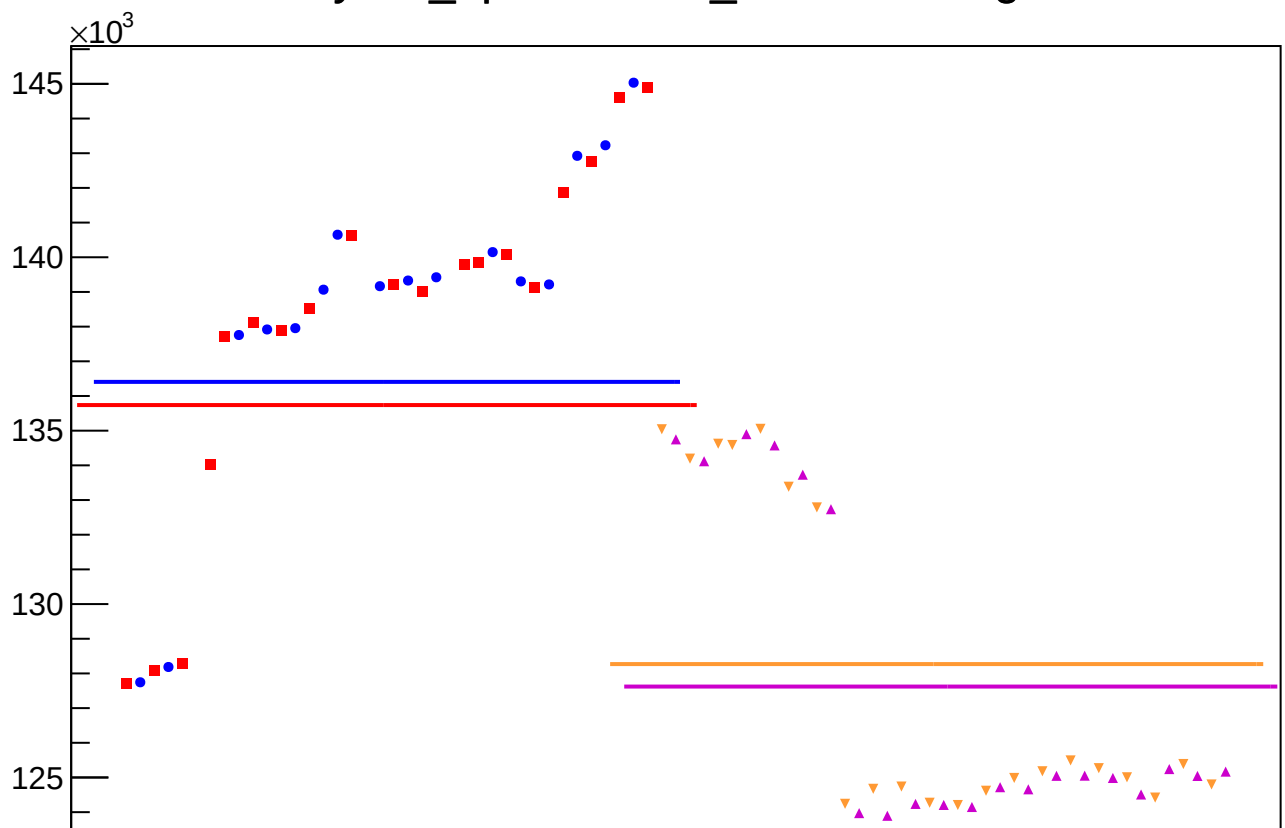
Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 268.974+/-0.048 χ^2/NDF:853678.9/19

+ sign 245.584+/-0.037 χ^2/NDF: 2547746.8/36

All: 241.450+/-0.026 χ^2/NDF: 5302674.0/75

- sign 237.556+/-0.036 χ^2/NDF: 2730712.2/38



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 128269.742+/-0.146 χ^2/NDF:1000238473.3/20

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

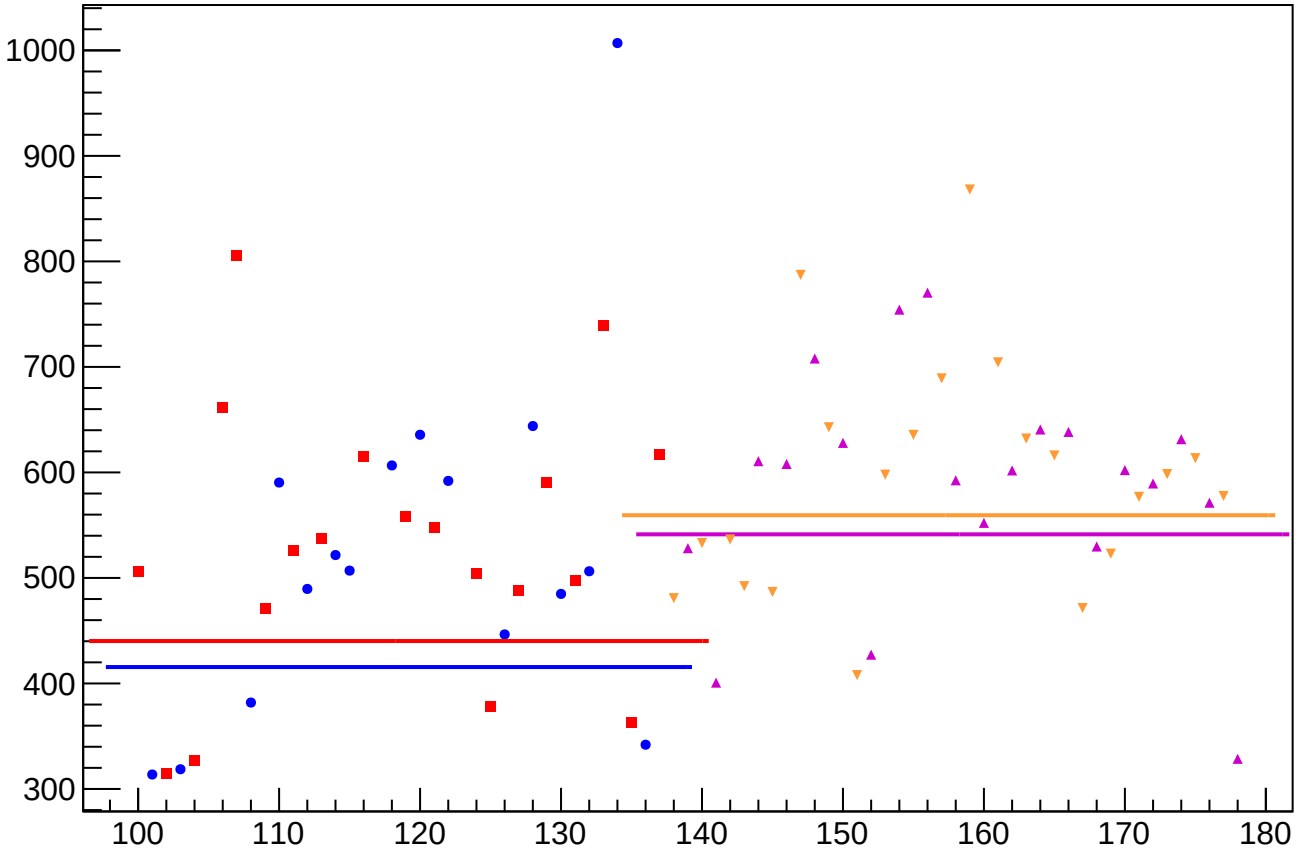
Left In: 127621.508+/-0.147 χ^2/NDF:915183388.9/19

+ sign 131768.239+/-0.111 χ^2/NDF: 3905552772.8/

All: 131361.749+/-0.079 χ^2/NDF: 72709710

- sign 130937.512+/-0.113 χ^2/NDF: 3337780096.9/

yield_bpm0l03WS_rms vs Slug



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 559.434+/-0.104 χ^2/NDF:879065.4/20

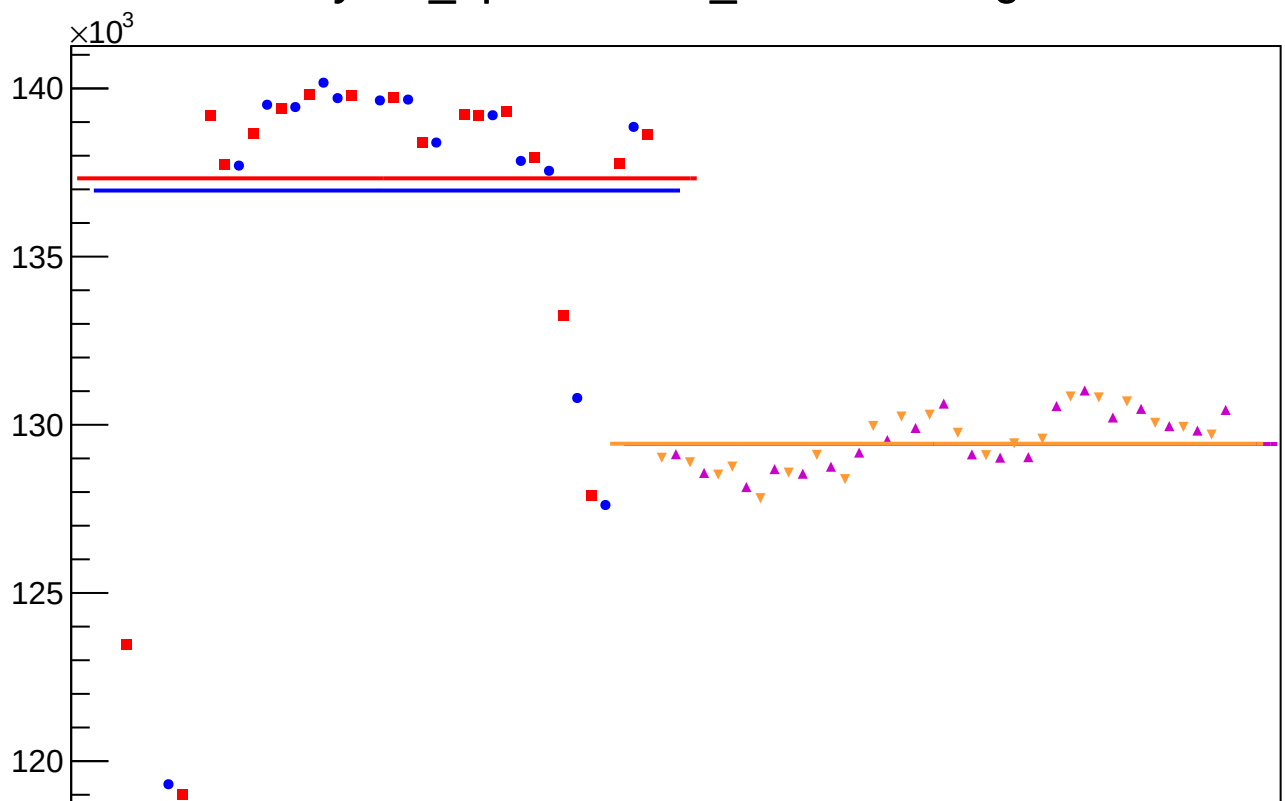
Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 541.323+/-0.104 χ^2/NDF:1314797.7/19

+ sign 497.571+/-0.078 χ^2/NDF: 2741279.3/36

All: 498.769+/-0.056 χ^2/NDF: 5354760.9/75

- sign 500.018+/-0.080 χ^2/NDF: 2613002.0/38



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 129437.916+/-0.049 χ^2/NDF:277914570.9/20

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

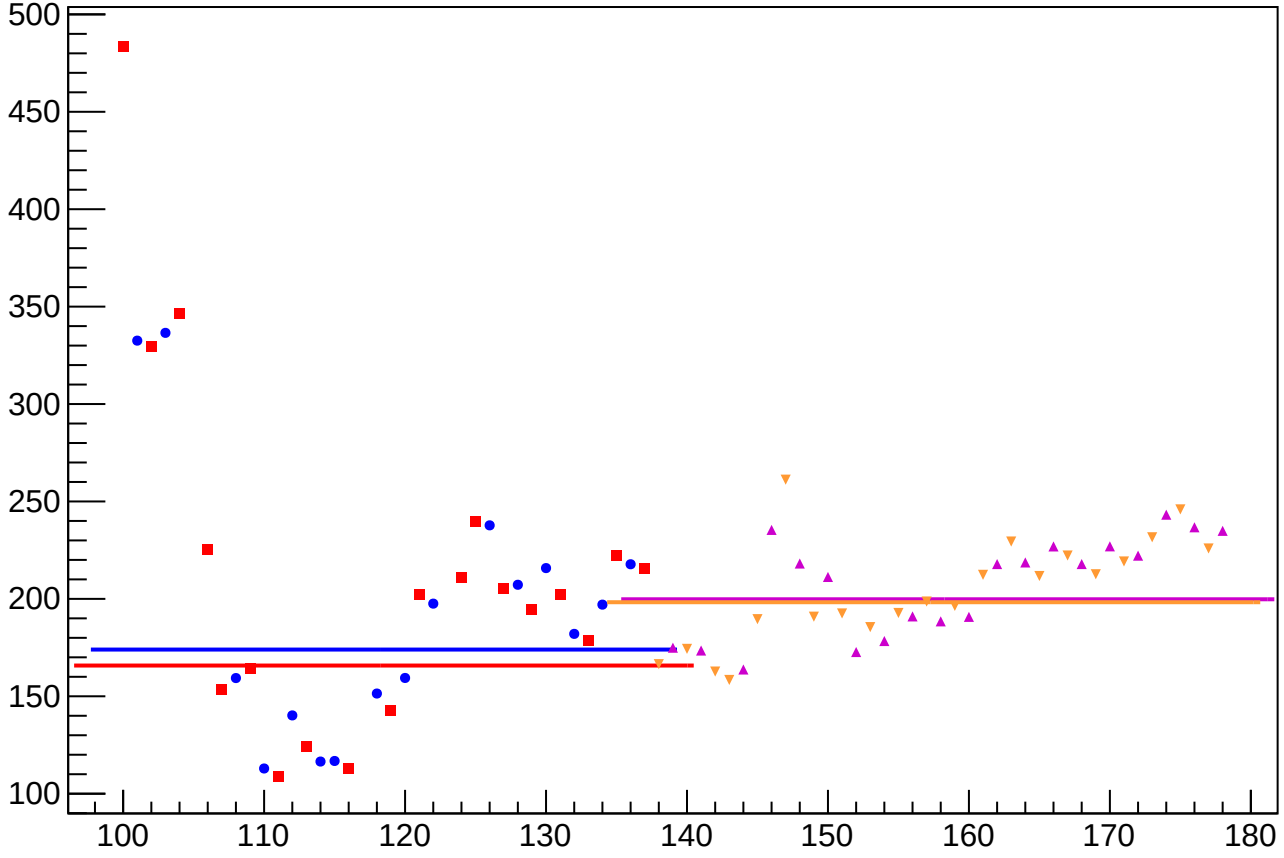
Left In: 129428.246+/-0.050 χ^2/NDF:266767261.3/19

+ sign 131954.526+/-0.040 χ^2/NDF: 13842679052.

All: 132152.524+/-0.028 χ^2/NDF: 29030383

- sign 132346.327+/-0.040 χ^2/NDF: 15139981509.

yield_bpm0l04WS_rms vs Slug



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 198.280+/-0.035 χ^2/NDF:540295.4/20

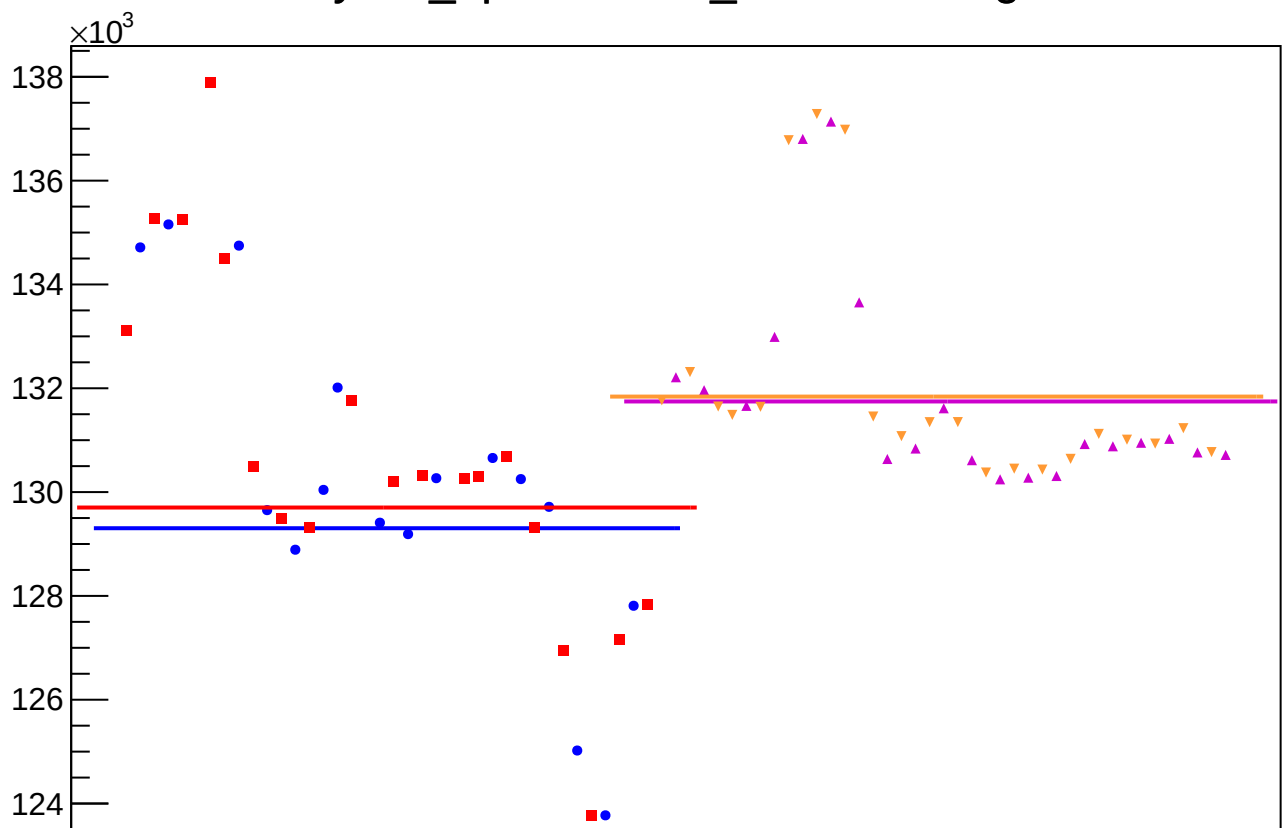
Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 199.791+/-0.036 χ^2/NDF:504454.1/19

+ sign 190.156+/-0.029 χ^2/NDF: 1890463.6/36

All: 188.676+/-0.020 χ^2/NDF: 4172112.8/75

- sign 187.227+/-0.028 χ^2/NDF: 2276312.7/38



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 131839.873+/-0.049 χ^2/NDF:1369551888.9/20

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

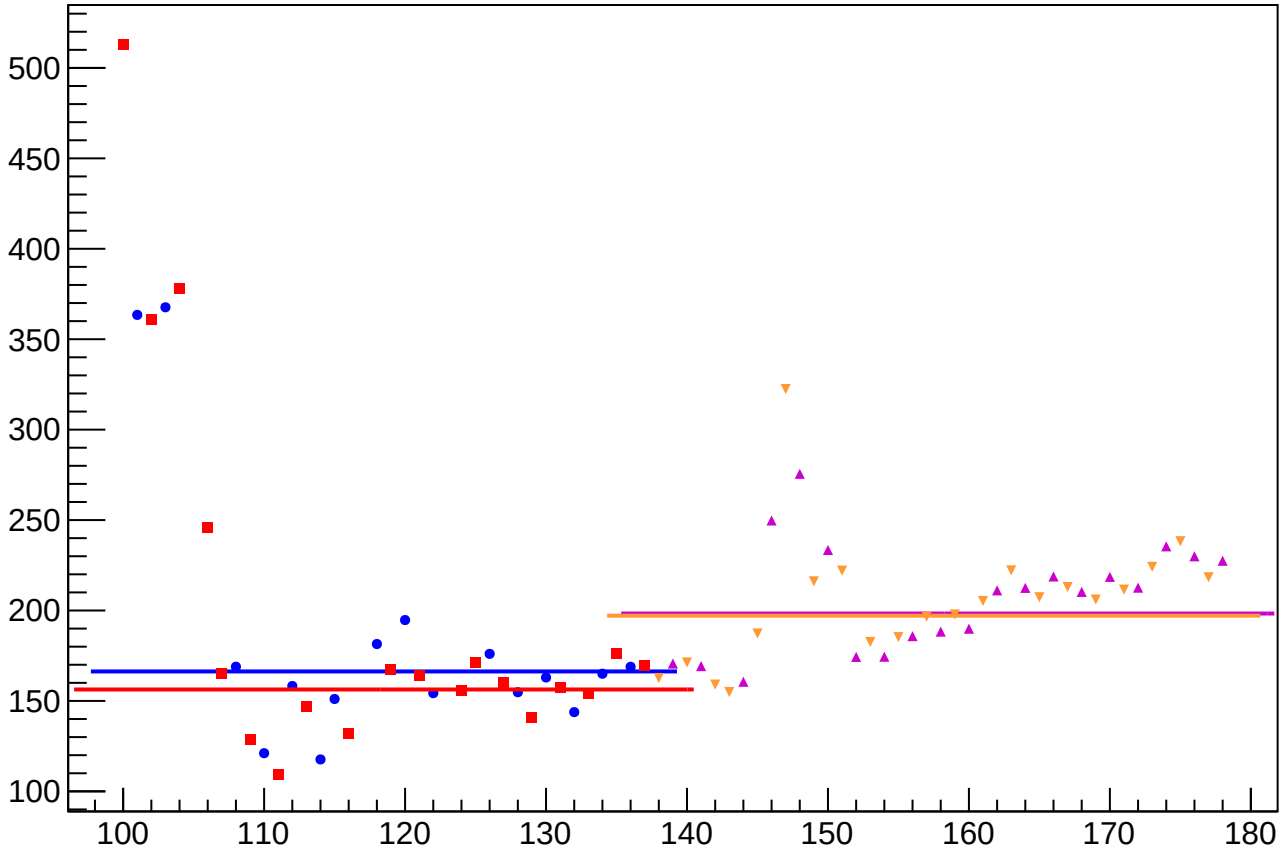
Left In: 131745.950+/-0.050 χ^2/NDF:1121119684.0/19

+ sign 130934.485+/-0.040 χ^2/NDF: 3963330344.9

All: 130933.850+/-0.028 χ^2/NDF: 75261303

- sign 130933.238+/-0.039 χ^2/NDF: 3562799534.5/

yield_bpm0l05WS_rms vs Slug



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 197.138+/-0.035 χ^2/NDF:703949.1/20

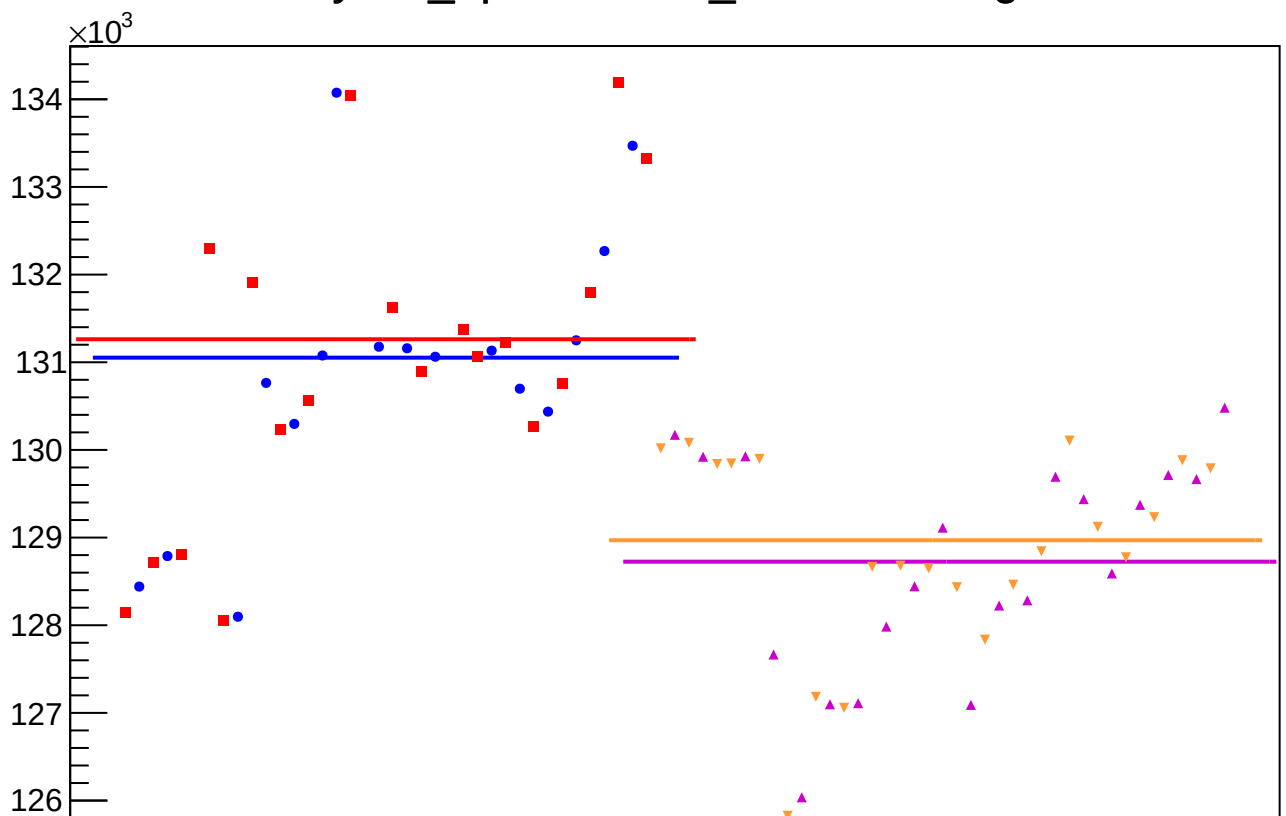
Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 198.323+/-0.035 χ^2/NDF:653431.5/19

+ sign 186.129+/-0.028 χ^2/NDF: 1920890.3/36

All: 183.833+/-0.020 χ^2/NDF: 4321088.3/75

- sign 181.623+/-0.027 χ^2/NDF: 2386974.1/38



Right In: 131052.422+/-0.061 χ^2/NDF: 523713045.8/15

Left Out: 128969.843+/-0.048 χ^2/NDF:490247399.2/20

Right Out: 131262.232+/-0.057 χ^2/NDF: 604278186.1/18

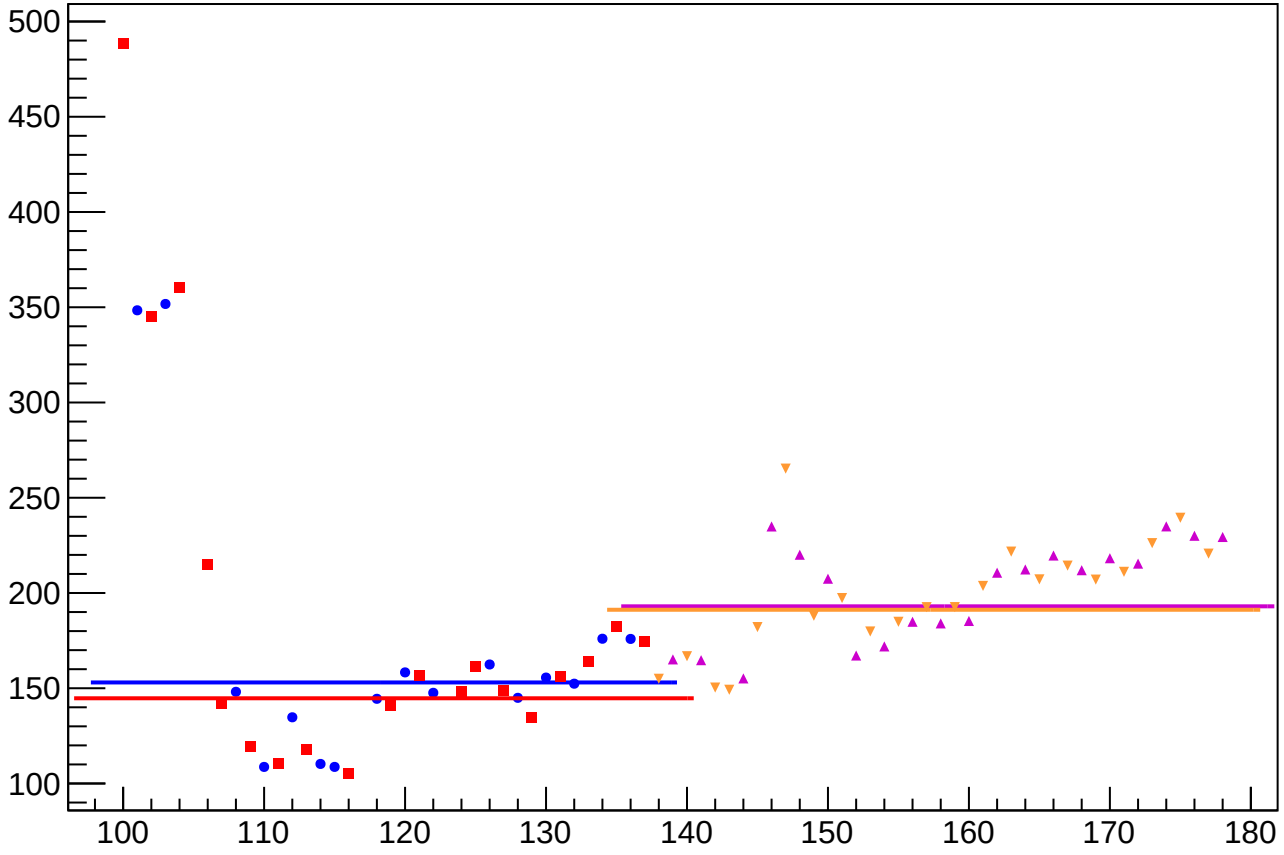
Left In: 128724.946+/-0.049 χ^2/NDF:627995536.4/19

+ sign 129766.767+/-0.038 χ^2/NDF: 1742078979.4

All: 129783.570+/-0.026 χ^2/NDF: 41303933

- sign 129799.812+/-0.037 χ^2/NDF: 2387919774.5/

yield_bpm0l06WS_rms vs Slug



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 191.199+/-0.034 χ^2/NDF:669326.0/20

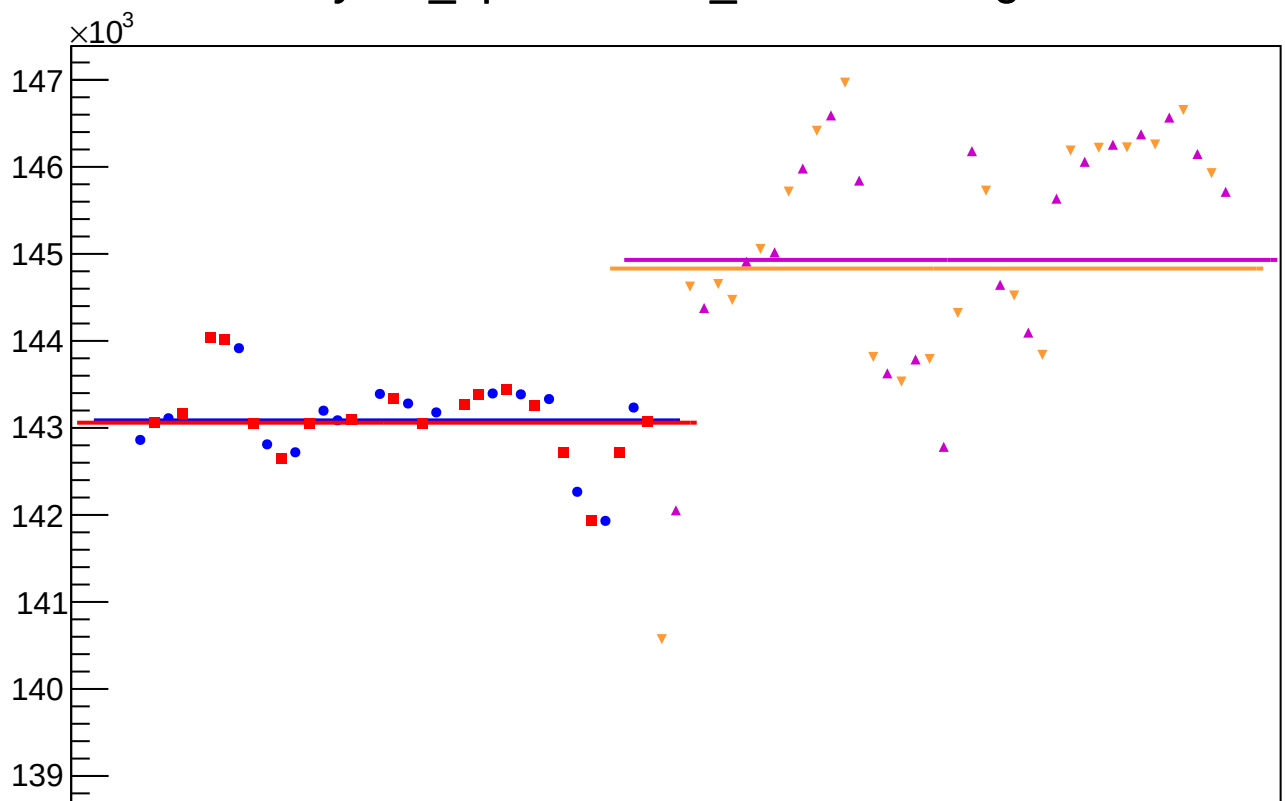
Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 193.007+/-0.034 χ^2/NDF:587797.9/19

+ sign 176.598+/-0.027 χ^2/NDF: 2217641.4/36

All: 174.543+/-0.019 χ^2/NDF: 4917396.0/75

- sign 172.556+/-0.026 χ^2/NDF: 2687944.0/38



Right In: 143086.477+/-0.065 χ^2/NDF: 46726277.8/15

Left Out: 144831.631+/-0.055 χ^2/NDF:808437998.8/20

Right Out: 143060.268+/-0.061 χ^2/NDF: 51715744.7/18

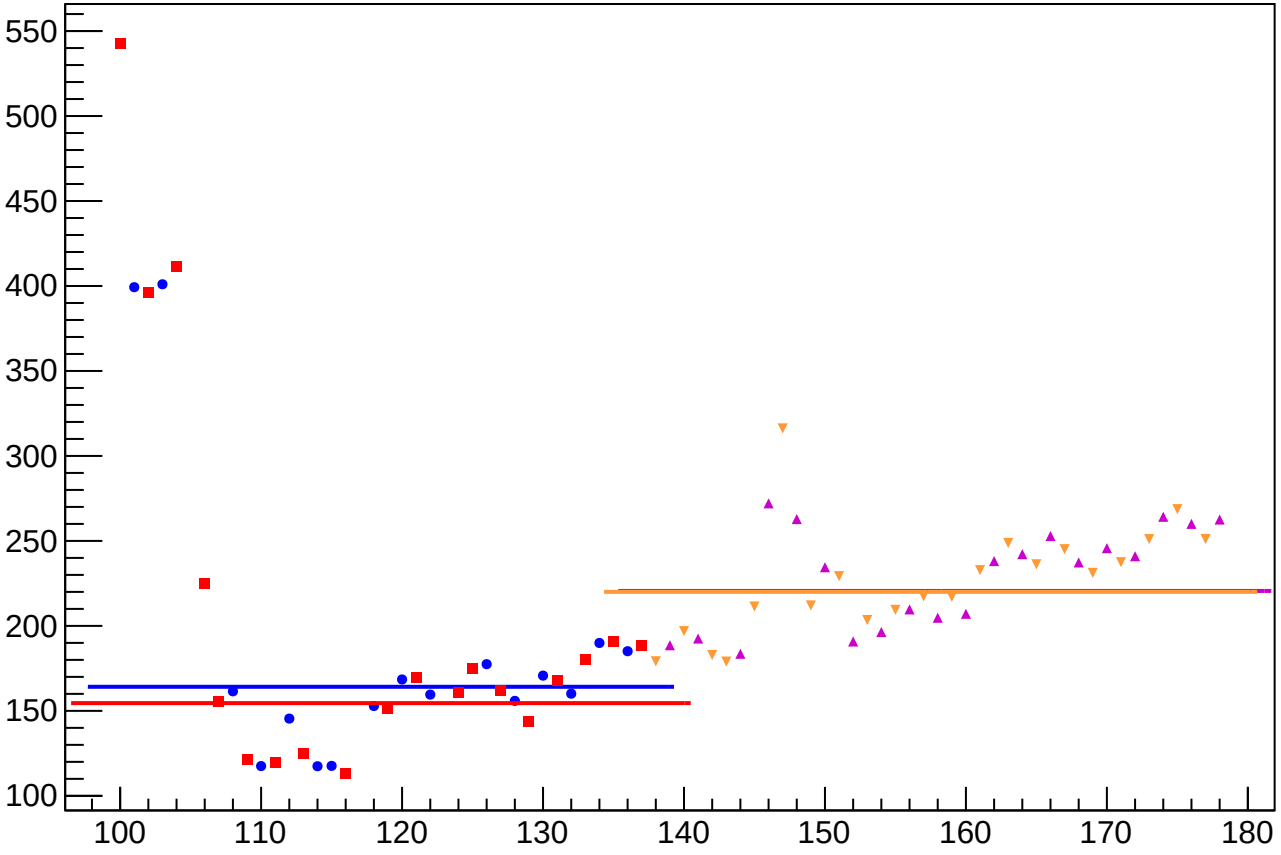
Left In: 144930.923+/-0.056 χ^2/NDF:603071481.9/19

+ sign 144105.938+/-0.042 χ^2/NDF: 1275179696.6

All: 144091.744+/-0.029 χ^2/NDF: 24477811

- sign 144078.230+/-0.041 χ^2/NDF: 1172378215.3/

yield_bpm0l07WS_rms vs Slug



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 220.021+/-0.039 χ^2/NDF:556540.3/20

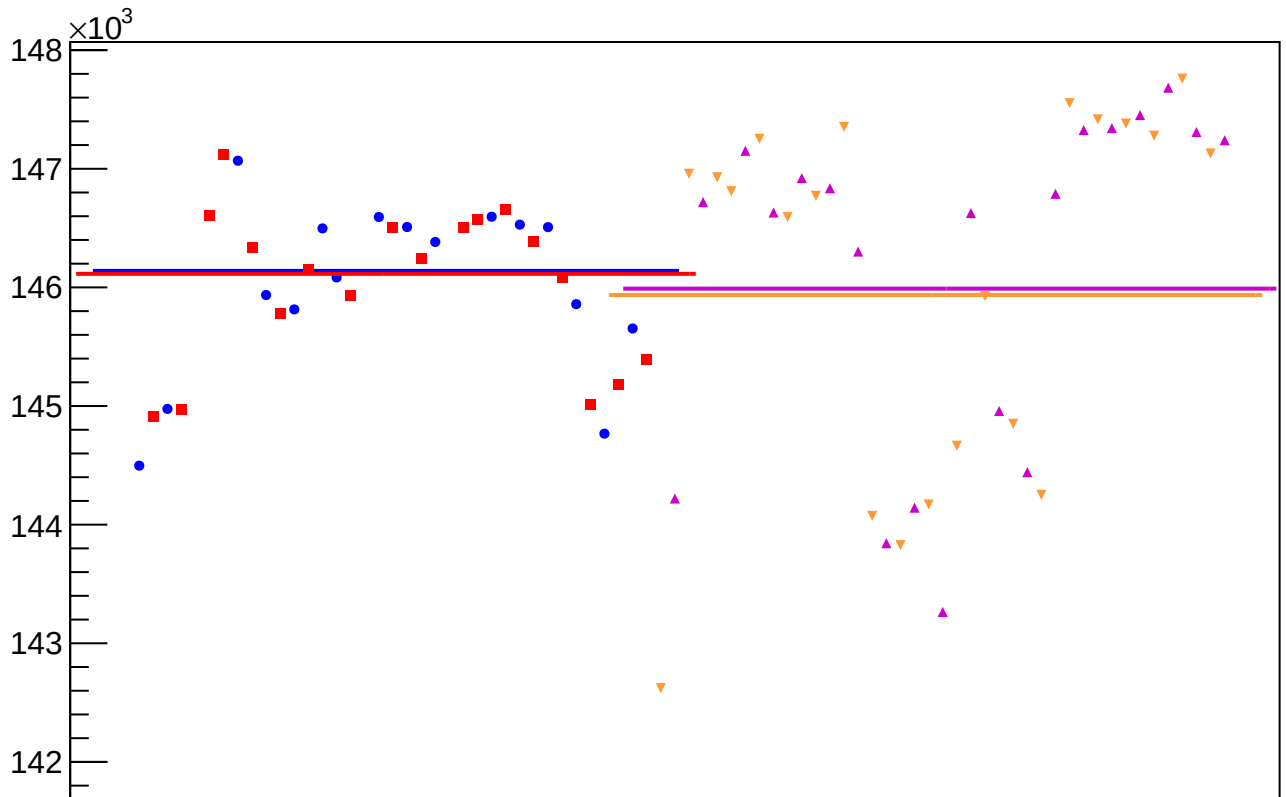
Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 220.564+/-0.039 χ^2/NDF:545523.0/19

+ sign 196.795+/-0.030 χ^2/NDF: 2546780.5/36

All: 193.558+/-0.021 χ^2/NDF: 5771183.7/75

- sign 190.477+/-0.029 χ^2/NDF: 3201184.1/38



Right In: 146139.237+/-0.067 χ^2/NDF: 71721843.8/15

Left Out: 145936.089+/-0.055 χ^2/NDF:841937569.2/20

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

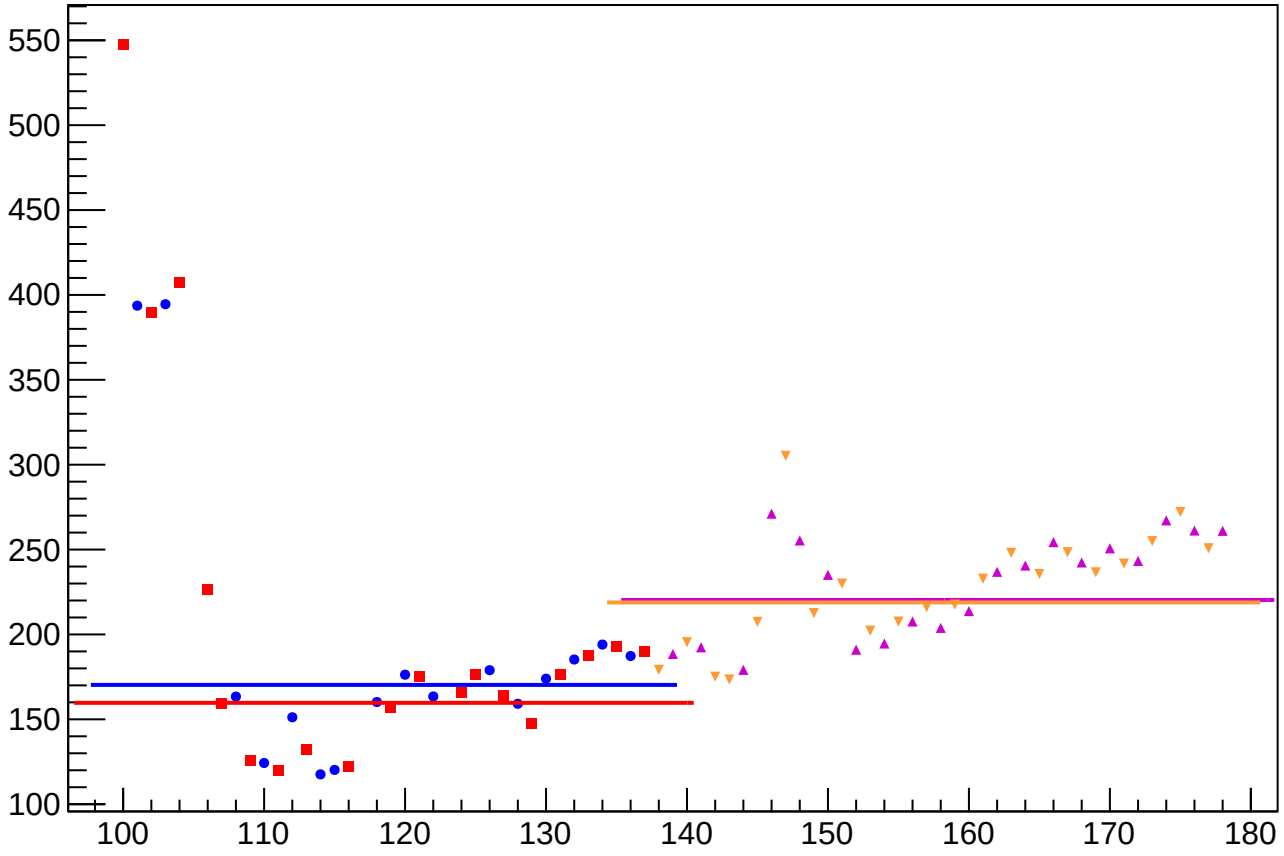
Left In: 145989.603+/-0.055 χ^2/NDF:675230190.4/19

+ sign 146016.664+/-0.042 χ^2/NDF: 919142172.5/3

All: 146030.980+/-0.030 χ^2/NDF: 16699293

- sign 146044.661+/-0.041 χ^2/NDF: 750564629.8/38

yield_bpm0l08WS_rms vs Slug



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 218.847+/-0.039 χ^2/NDF:616774.5/20

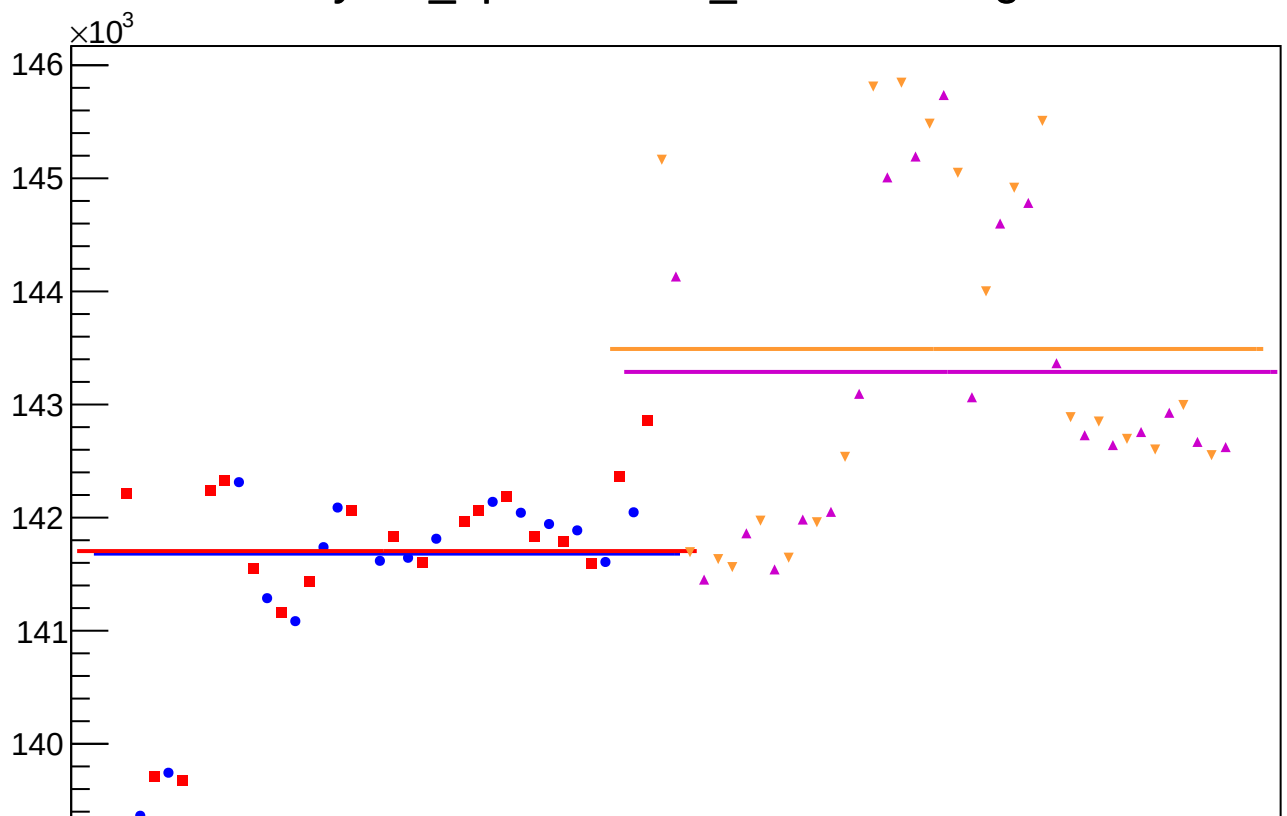
Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 220.319+/-0.039 χ^2/NDF:575160.5/19

+ sign 199.583+/-0.030 χ^2/NDF: 2301177.2/36

All: 196.523+/-0.021 χ^2/NDF: 5239579.0/75

- sign 193.598+/-0.029 χ^2/NDF: 2918063.7/38



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 143491.279+/-0.057 χ^2/NDF:751084433.8/20

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

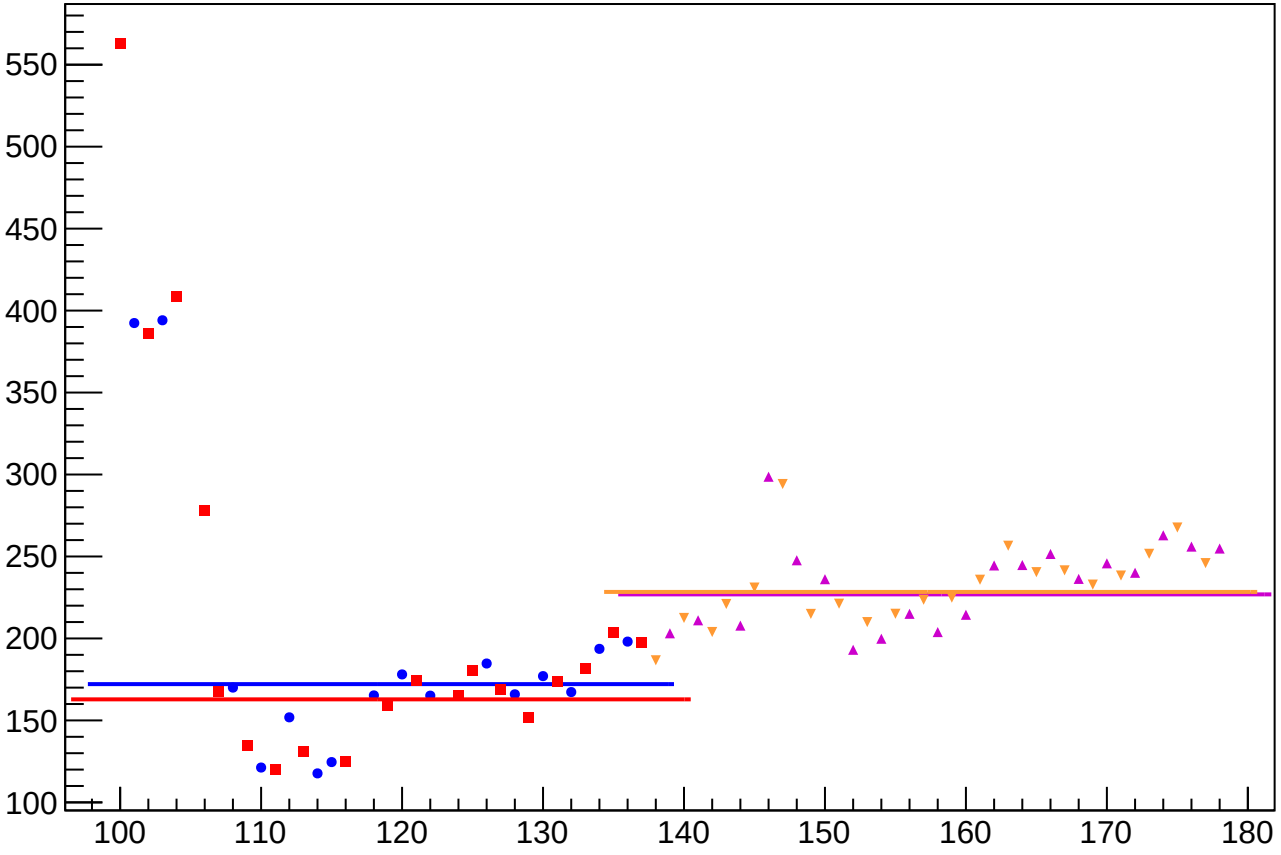
Left In: 143288.298+/-0.057 χ^2/NDF:519920321.1/19

+ sign 142752.611+/-0.044 χ^2/NDF: 1231076438.6

All: 142666.685+/-0.030 χ^2/NDF: 21669878

- sign 142585.102+/-0.043 χ^2/NDF: 928346566.5/3

yield_bpm0l09WS_rms vs Slug



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 228.381+/-0.040 χ^2/NDF:299805.1/20

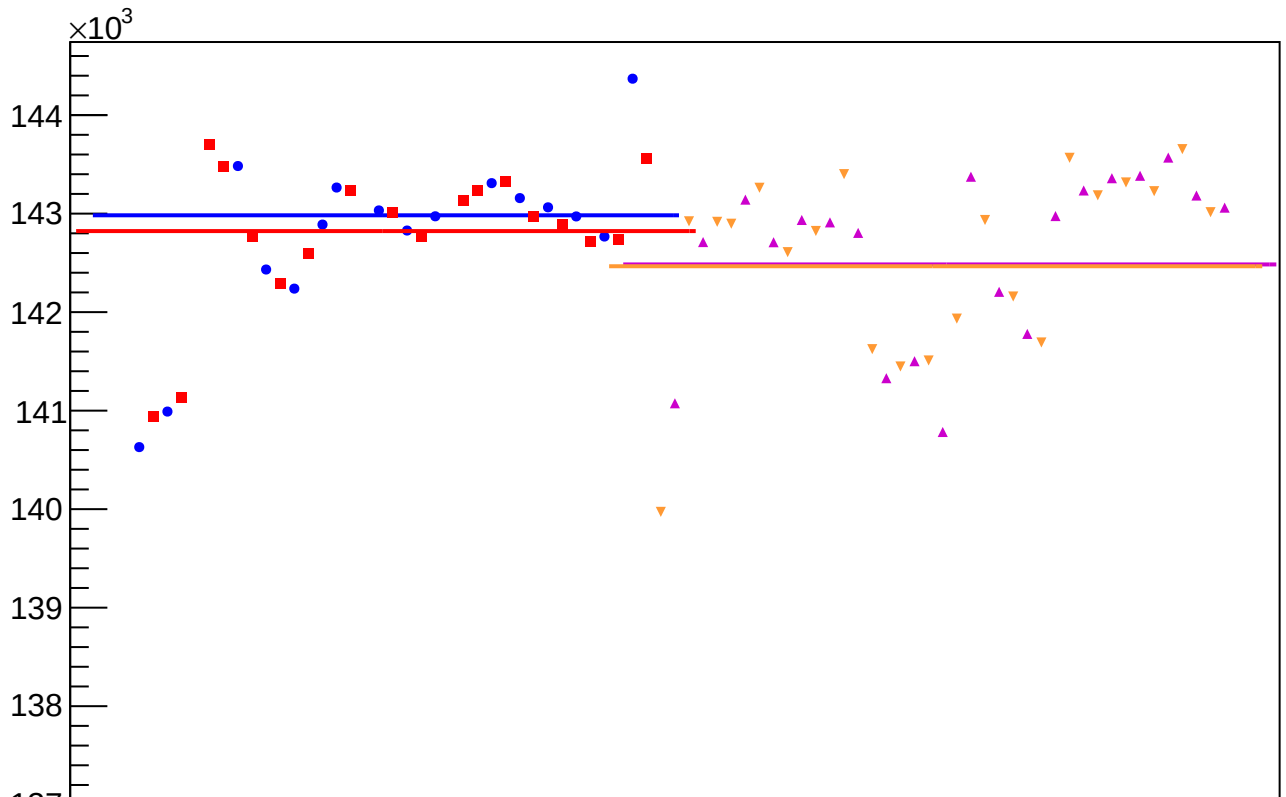
Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 226.878+/-0.040 χ^2/NDF:387436.8/19

+ sign 205.421+/-0.031 χ^2/NDF: 2171627.7/36

All: 201.847+/-0.022 χ^2/NDF: 5011652.0/75

- sign 198.453+/-0.030 χ^2/NDF: 2813845.0/38



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 142465.759+/-0.054 χ^2/NDF:330133168.5/20

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

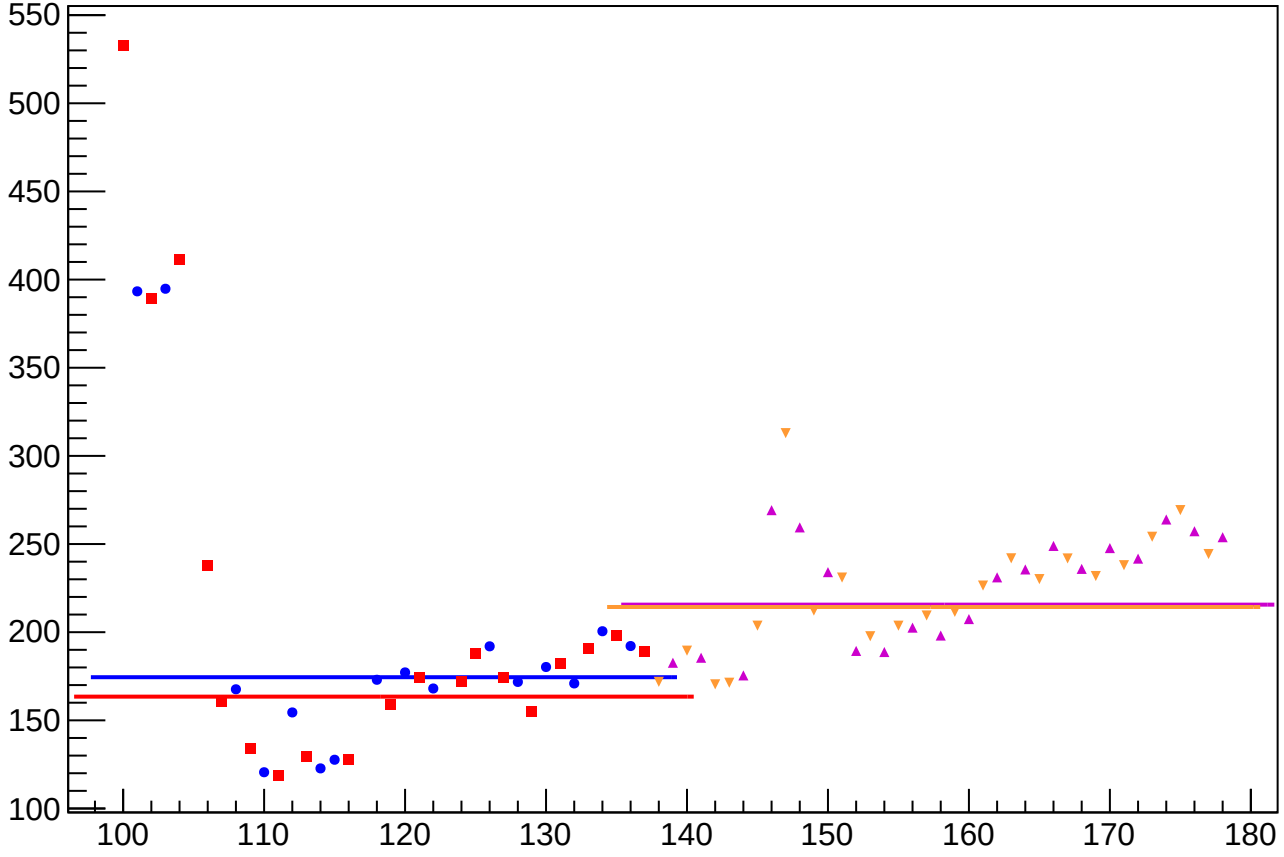
Left In: 142484.137+/-0.054 χ^2/NDF:263959770.9/19

+ sign 142659.625+/-0.042 χ^2/NDF: 472850037.4/3

All: 142642.361+/-0.030 χ^2/NDF: 81697810

- sign 142625.816+/-0.041 χ^2/NDF: 343802017.9/38

yield_bpm0l10WS_rms vs Slug



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 214.290+/-0.038 χ^2/NDF:678089.5/20

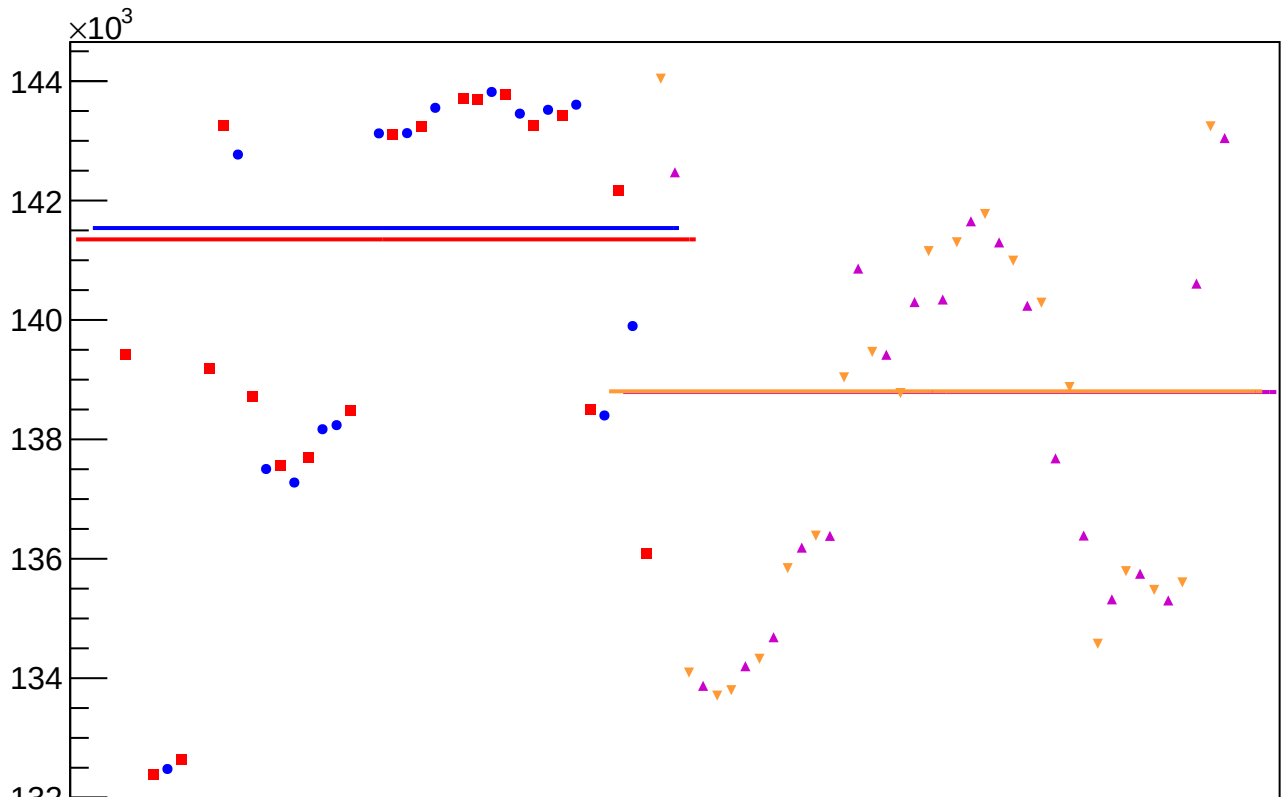
Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 215.627+/-0.038 χ^2/NDF:630337.1/19

+ sign 199.364+/-0.030 χ^2/NDF: 2142392.4/36

All: 196.520+/-0.021 χ^2/NDF: 4845284.1/75

- sign 193.793+/-0.029 χ^2/NDF: 2685186.8/38



Right In: 141539.467+/-0.101 χ^2/NDF: 947743743.7/15

Left Out: 138804.667+/-0.077 χ^2/NDF:1998862591.3/20

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

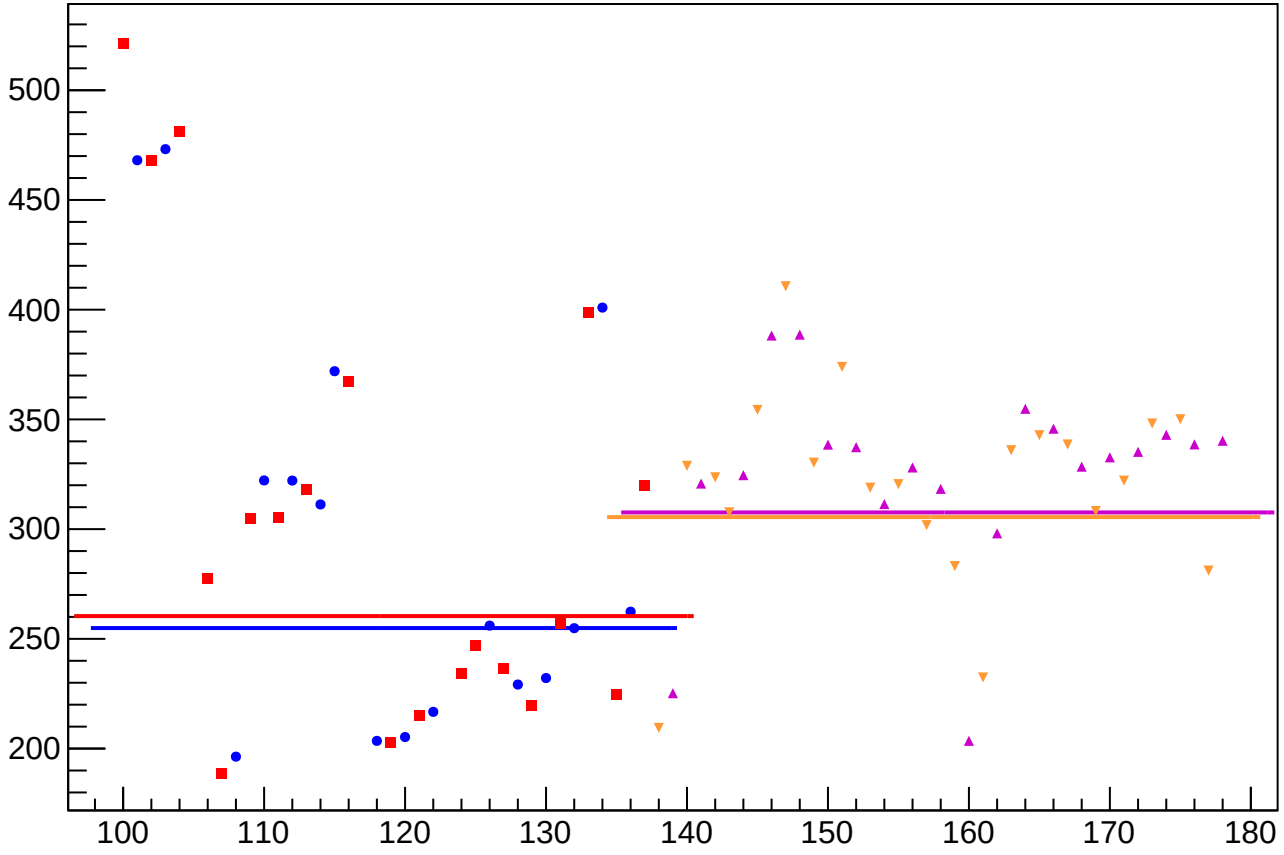
Left In: 138792.642+/-0.078 χ^2/NDF:1495702416.2/19

+ sign 139808.865+/-0.061 χ^2/NDF: 3412310873.0/

All: 139780.558+/-0.043 χ^2/NDF: 62352086

- sign 139751.507+/-0.062 χ^2/NDF: 2822462714.2/

yield_bpm0r03WS_rms vs Slug



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 305.484+/-0.054 χ^2/NDF:815040.6/20

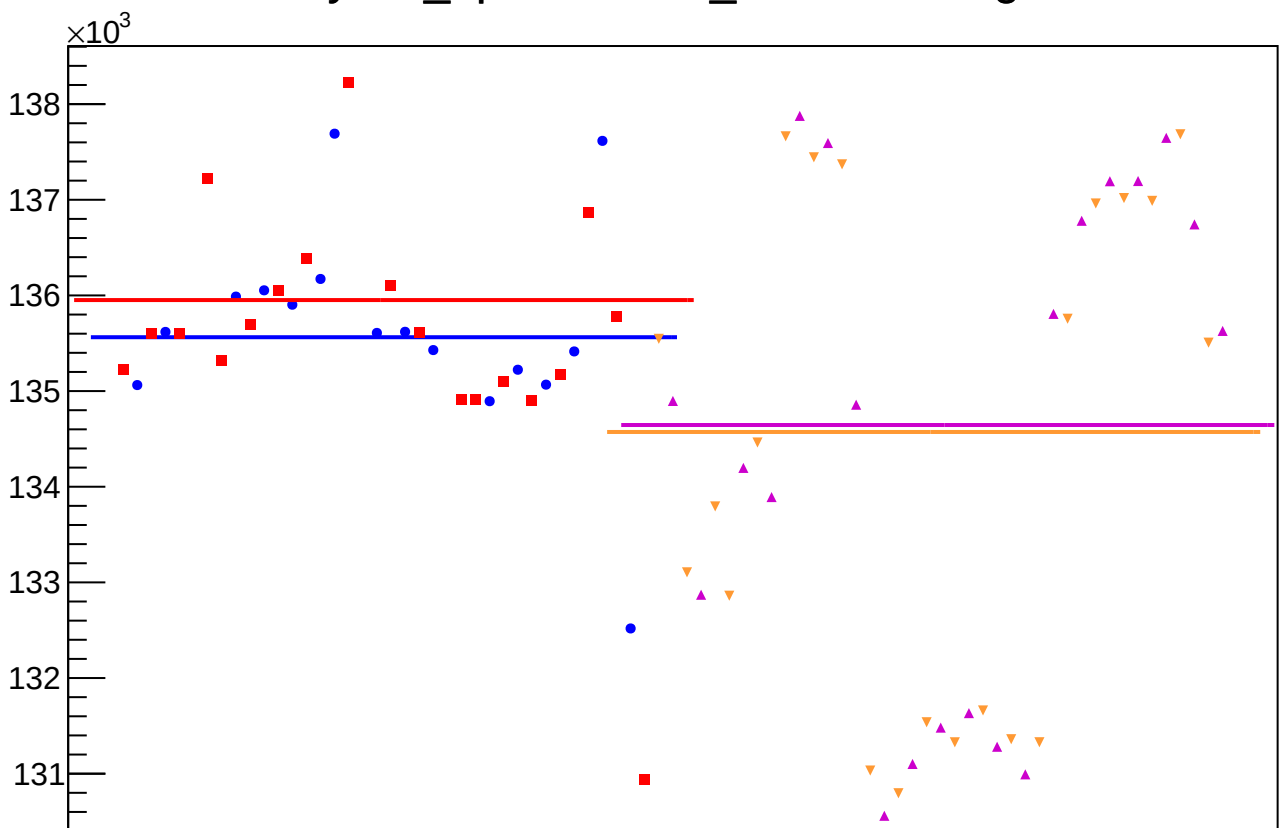
Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 307.607+/-0.055 χ^2/NDF:937387.6/19

\+ sign 286.917+/-0.043 χ^2/NDF: 2083402.4/36

All: 288.385+/-0.031 χ^2/NDF: 4289563.5/75

\- sign 289.892+/-0.044 χ^2/NDF: 2203820.5/38



Right In: 135563.062+/-0.118 χ^2/NDF: 94169293.7/15

Left Out: 134572.446+/-0.066 χ^2/NDF:1193080040.0/20

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

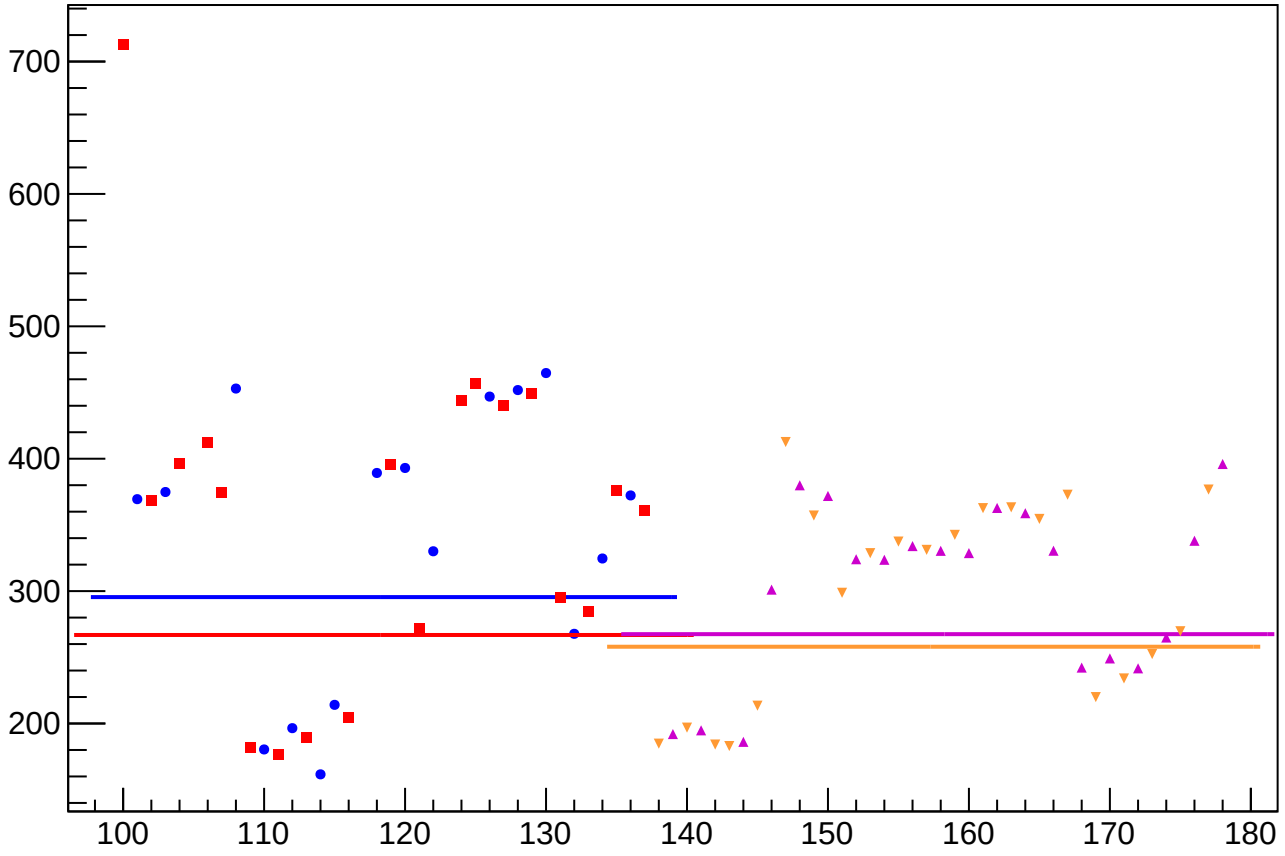
Left In: 134645.243+/-0.069 χ^2/NDF:1090382389.0/19

+ sign 134809.038+/-0.058 χ^2/NDF: 1340573664.5

All: 134920.506+/-0.041 χ^2/NDF: 26361364

- sign 135032.128+/-0.058 χ^2/NDF: 1288129659.6/

yield_bpm0r05WS_rms vs Slug



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 257.989+/-0.047 χ^2/NDF:2332143.3/20

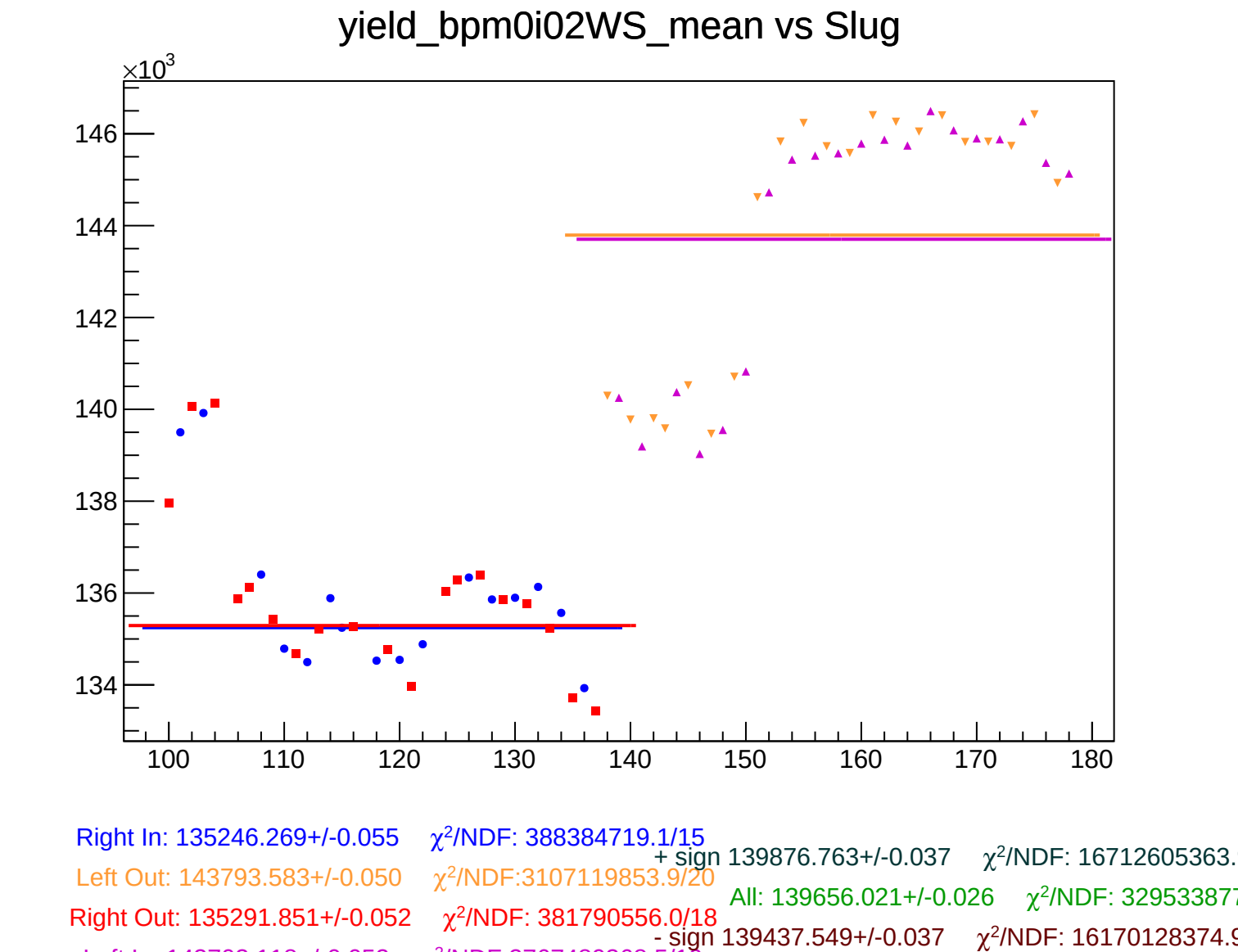
Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 267.487+/-0.049 χ^2/NDF:1919734.9/19

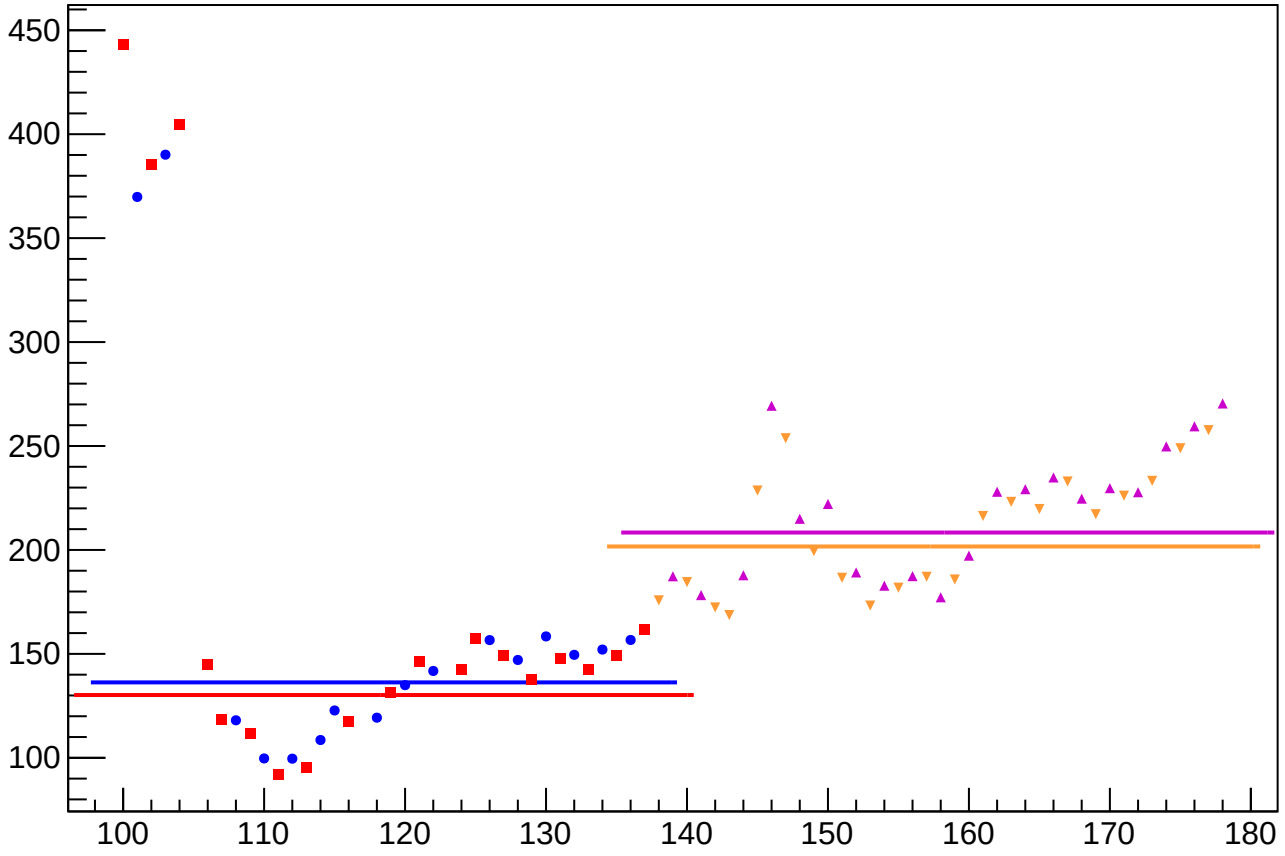
+ sign 266.943+/-0.041 χ^2/NDF: 3927443.0/36

All: 267.123+/-0.029 χ^2/NDF: 7525338.3/75

- sign 267.302+/-0.041 χ^2/NDF: 3597856.8/38


yield_bpm0i02WS_mean vs Slug
×10^3
146
144
142
140
138
136
134
100
110
120
130
140
150
160
170
180
Right In: 135246.269+/-0.055 χ²/NDF: 388384719.1/15
Left Out: 143793.583+/-0.050 χ²/NDF:3107119853.9/20
Right Out: 135291.851+/-0.052 χ²/NDF: 381790556.0/18
Left In: 143703.118+/-0.052 χ²/NDF:2767489368.5/19
+ sign 139876.763+/-0.037 χ²/NDF: 16712605363.
All: 139656.021+/-0.026 χ²/NDF: 32953387
- sign 139437.549+/-0.037 χ²/NDF: 16170128374.9

yield_bpm0i02WS_rms vs Slug



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 201.668+/-0.036 χ^2/NDF:567988.9/20

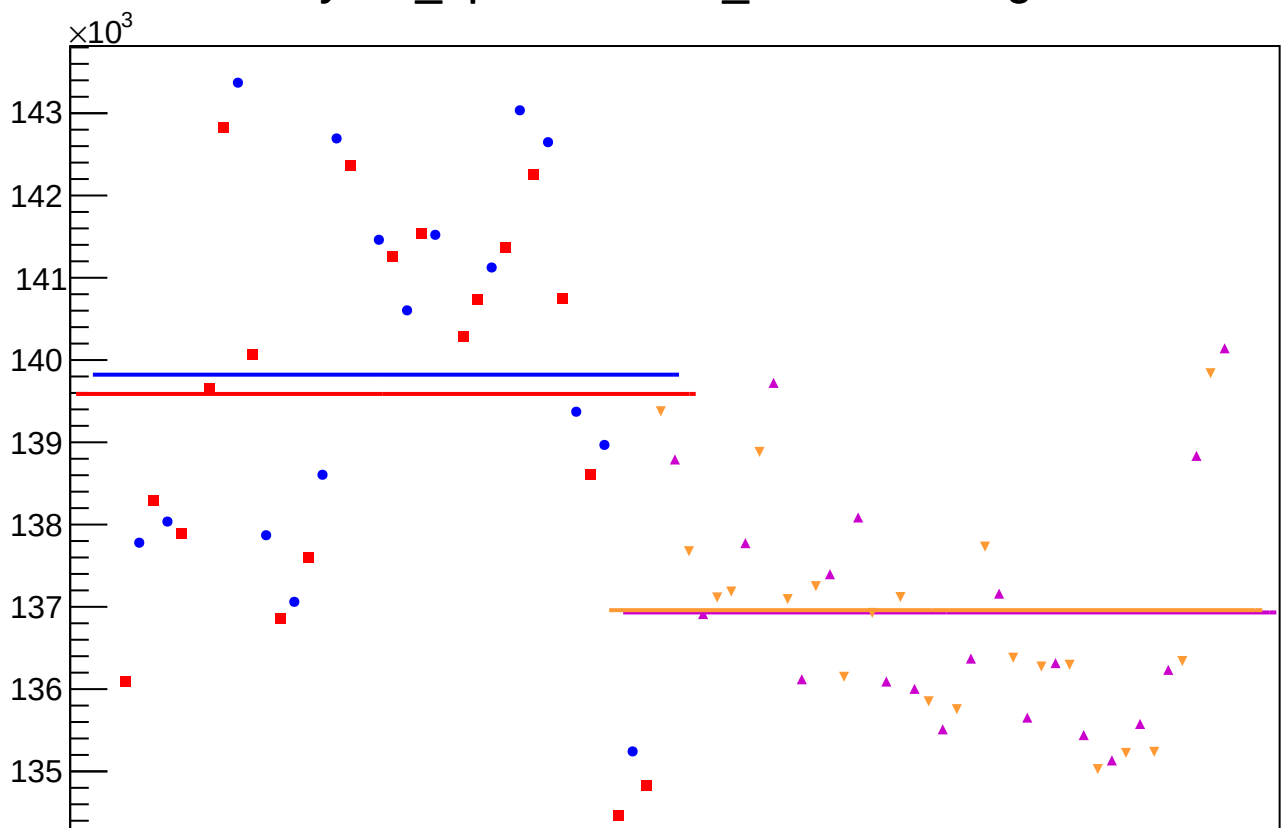
Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 208.381+/-0.037 χ^2/NDF:569256.6/19

+ sign 171.706+/-0.026 χ^2/NDF: 3498855.8/36

All: 170.214+/-0.018 χ^2/NDF: 7844891.1/75

- sign 168.736+/-0.026 χ^2/NDF: 4339574.3/38



Right In: 139822.122+/-0.063 χ^2/NDF: 1663381581.4/15

Left Out: 136959.560+/-0.051 χ^2/NDF:604882622.6/20

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

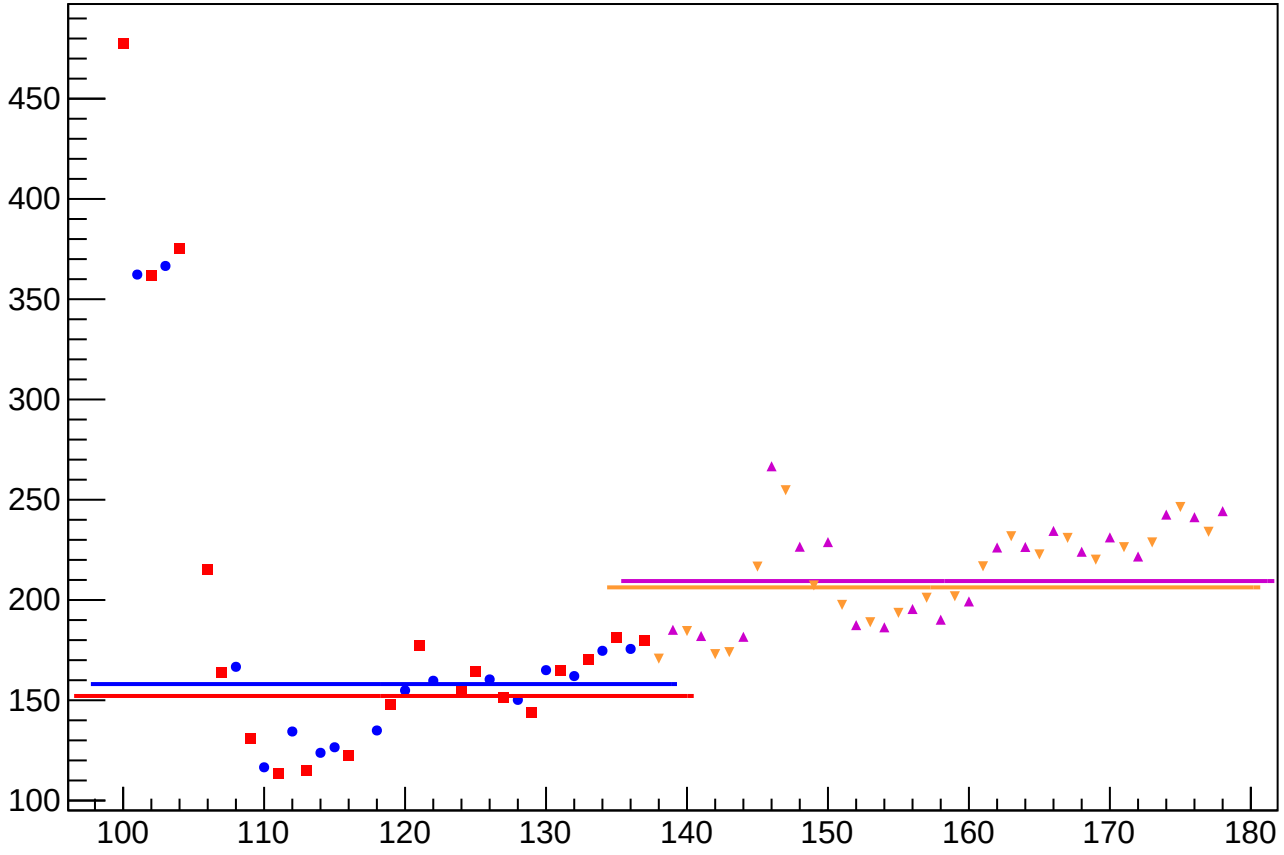
Left In: 136931.768+/-0.053 χ^2/NDF:660363597.0/19

+ sign 138113.835+/-0.040 χ^2/NDF: 3516456817.6

All: 138104.408+/-0.028 χ^2/NDF: 67713748

- sign 138095.085+/-0.040 χ^2/NDF: 3254806103.5/

yield_bpm0i02aWS_rms vs Slug



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 206.299+/-0.036 χ^2/NDF:410380.9/20

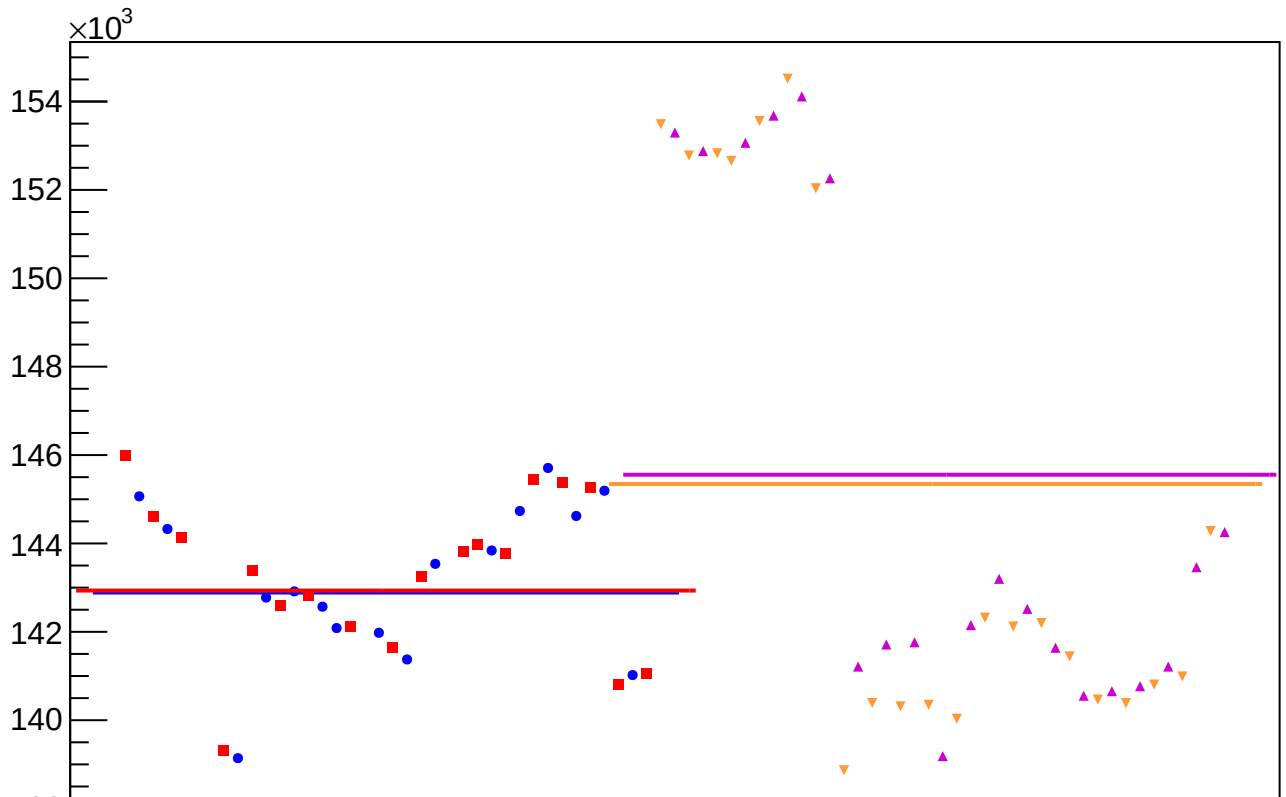
Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 209.453+/-0.037 χ^2/NDF:431255.9/19

+ sign 186.855+/-0.028 χ^2/NDF: 2136662.1/36

All: 185.596+/-0.020 χ^2/NDF: 4836038.7/75

- sign 184.351+/-0.028 χ^2/NDF: 2695383.5/38



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 145344.786+/-0.052 χ^2/NDF:12987539928.5/20

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

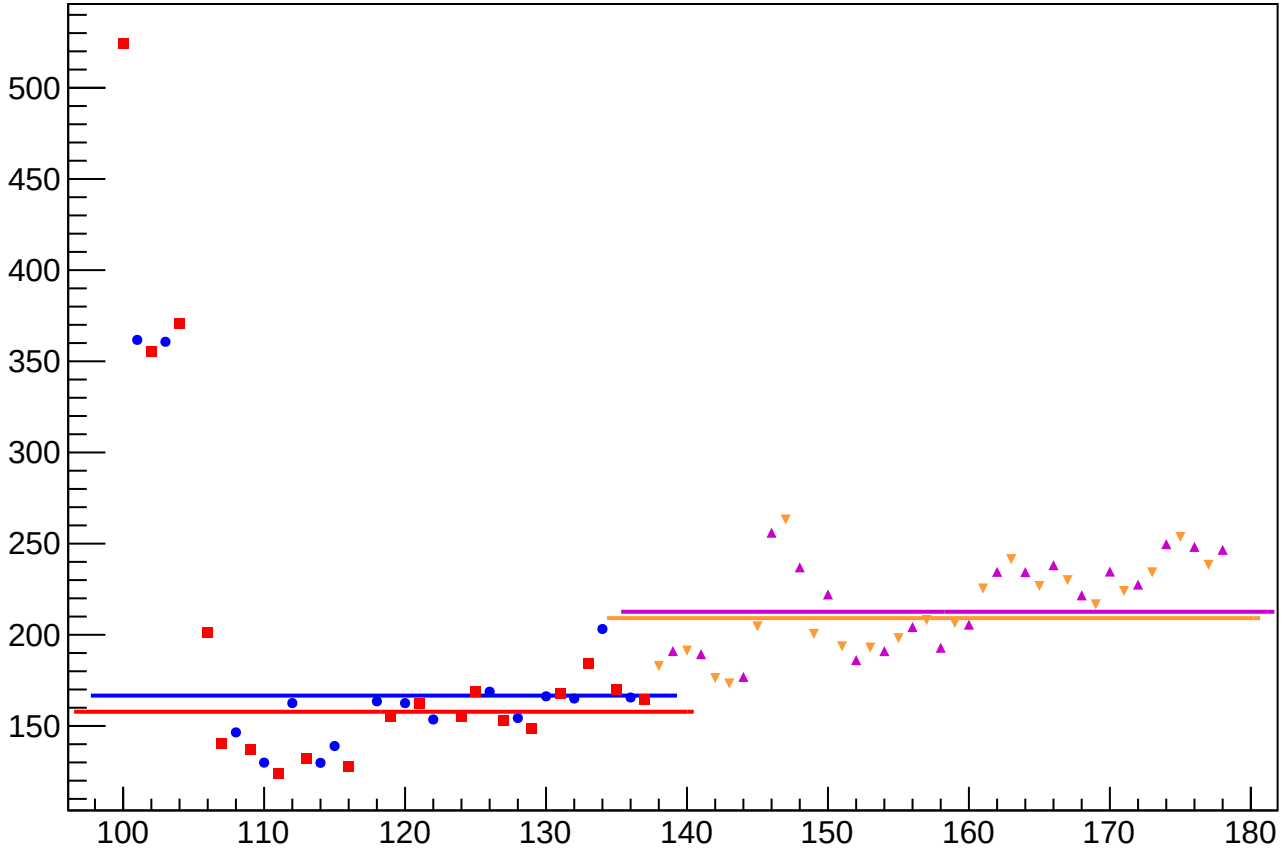
Left In: 145554.797+/-0.053 χ^2/NDF:11022399321.6/19

+ sign 144396.132+/-0.041 χ^2/NDF: 14608341958.4

All: 144411.667+/-0.029 χ^2/NDF: 27451726

- sign 144426.854+/-0.040 χ^2/NDF: 12843098238.4

yield_bpm0i05WS_rms vs Slug



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 209.136+/-0.037 χ^2/NDF:402040.1/20

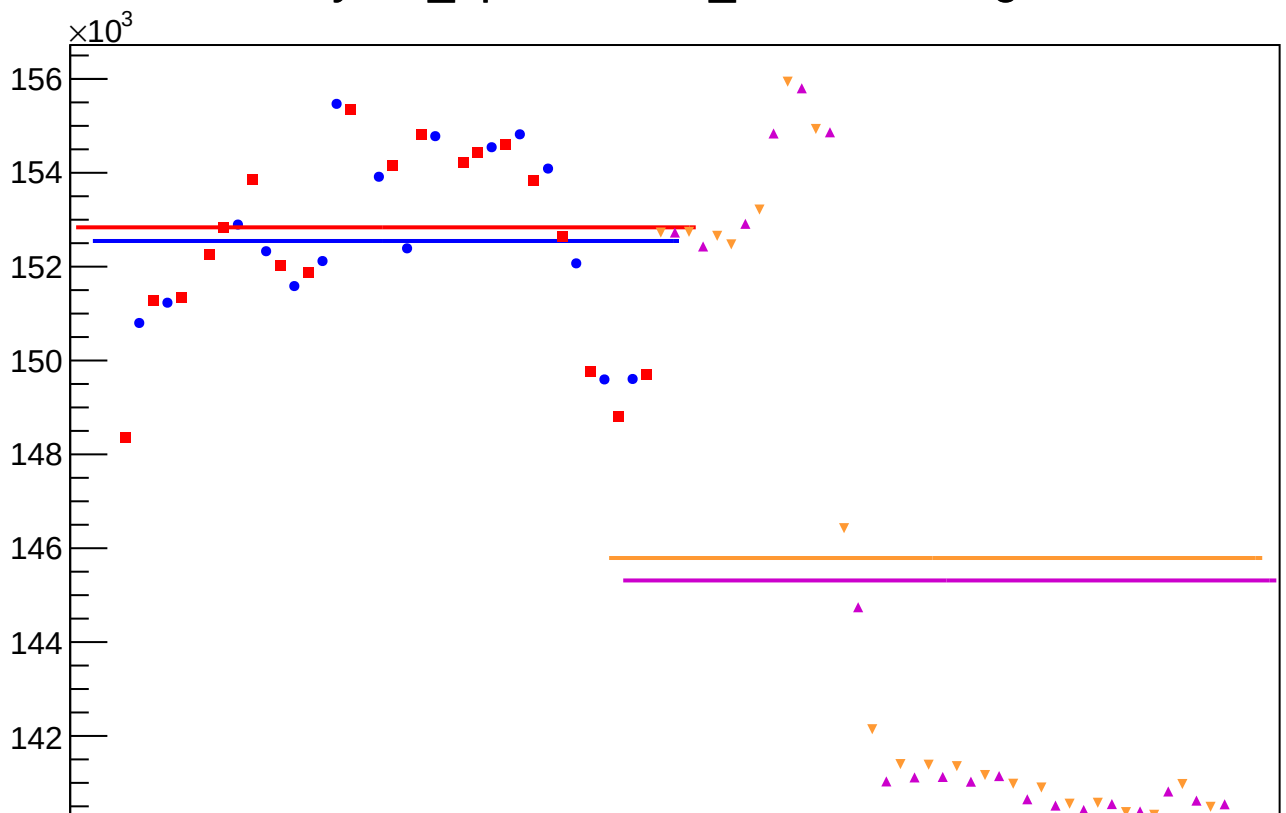
Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 212.644+/-0.038 χ^2/NDF:423147.6/19

+ sign 192.724+/-0.029 χ^2/NDF: 1778921.1/36

All: 190.863+/-0.020 χ^2/NDF: 4137235.5/75

- sign 189.045+/-0.029 χ^2/NDF: 2350102.9/38



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 145791.682+/-0.052 χ^2/NDF:12657988662.5/20

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

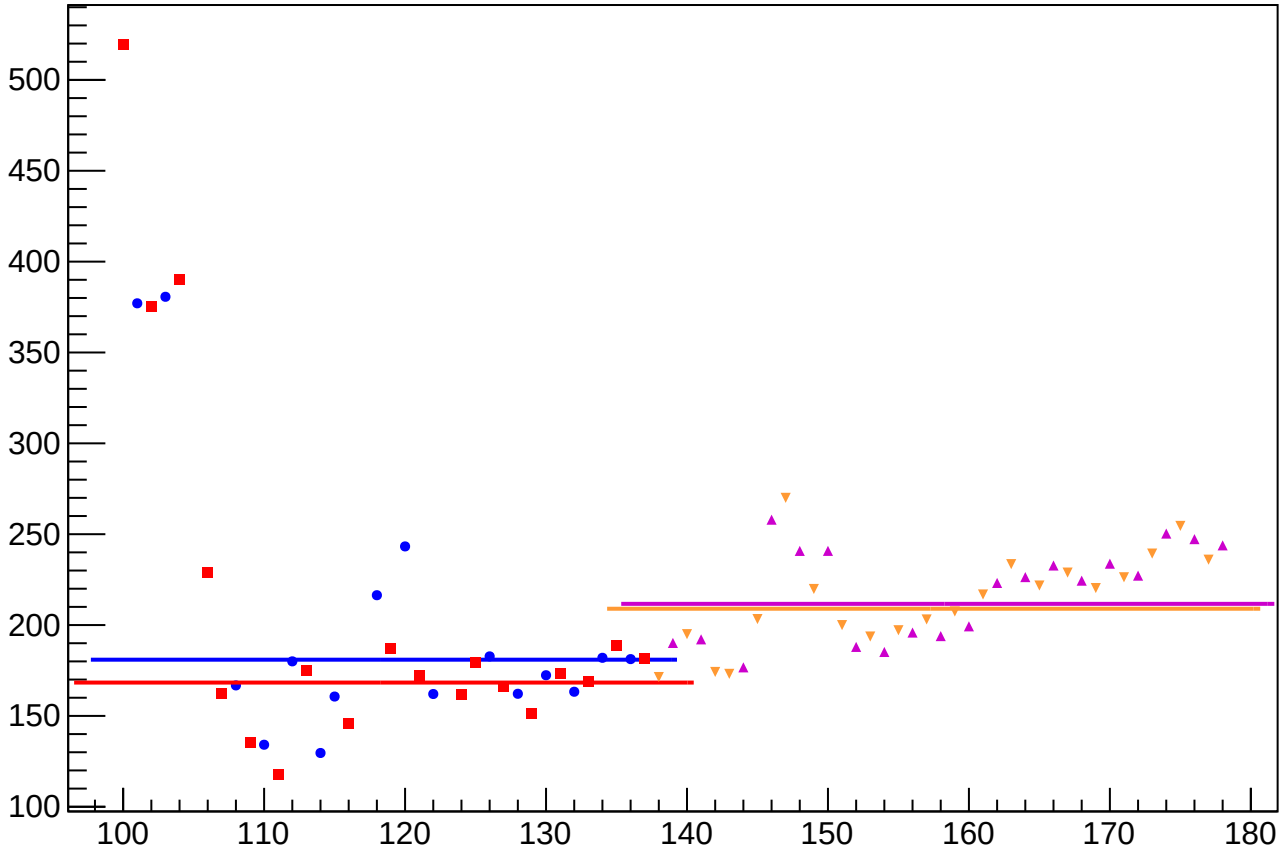
Left In: 145313.275+/-0.053 χ^2/NDF:12553646841.3/19

+ sign 148078.828+/-0.042 χ^2/NDF: 19036578927.

All: 148159.127+/-0.030 χ^2/NDF: 40125649

- sign 148236.778+/-0.042 χ^2/NDF: 21081965872.6

yield_bpm0i07WS_rms vs Slug



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 208.978+/-0.037 χ^2/NDF:442478.0/20

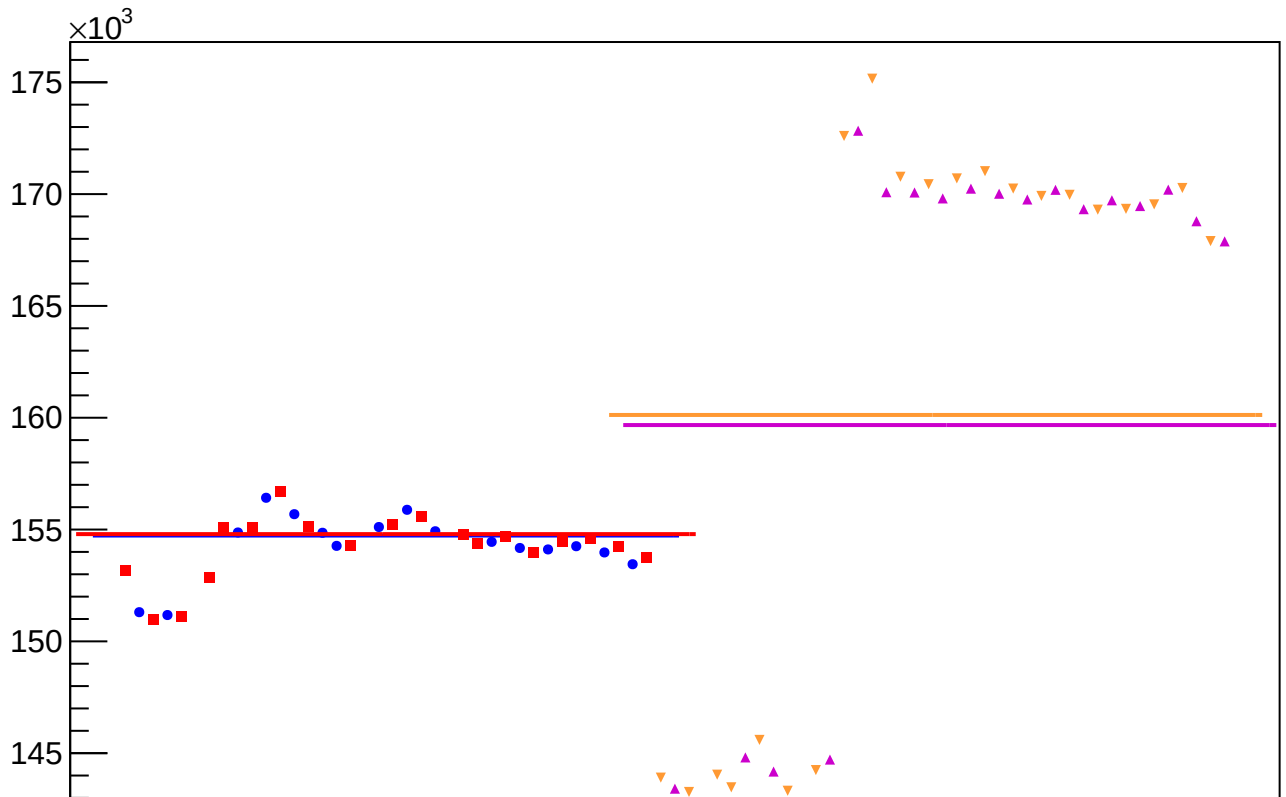
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 211.674+/-0.038 χ^2/NDF:449316.1/19

+ sign 199.484+/-0.030 χ^2/NDF: 1547471.7/36

All: 197.124+/-0.021 χ^2/NDF: 3614750.8/75

- sign 194.841+/-0.029 χ^2/NDF: 2055000.8/38



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 160124.220+/-0.049 χ^2/NDF:72501743391.8/20

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

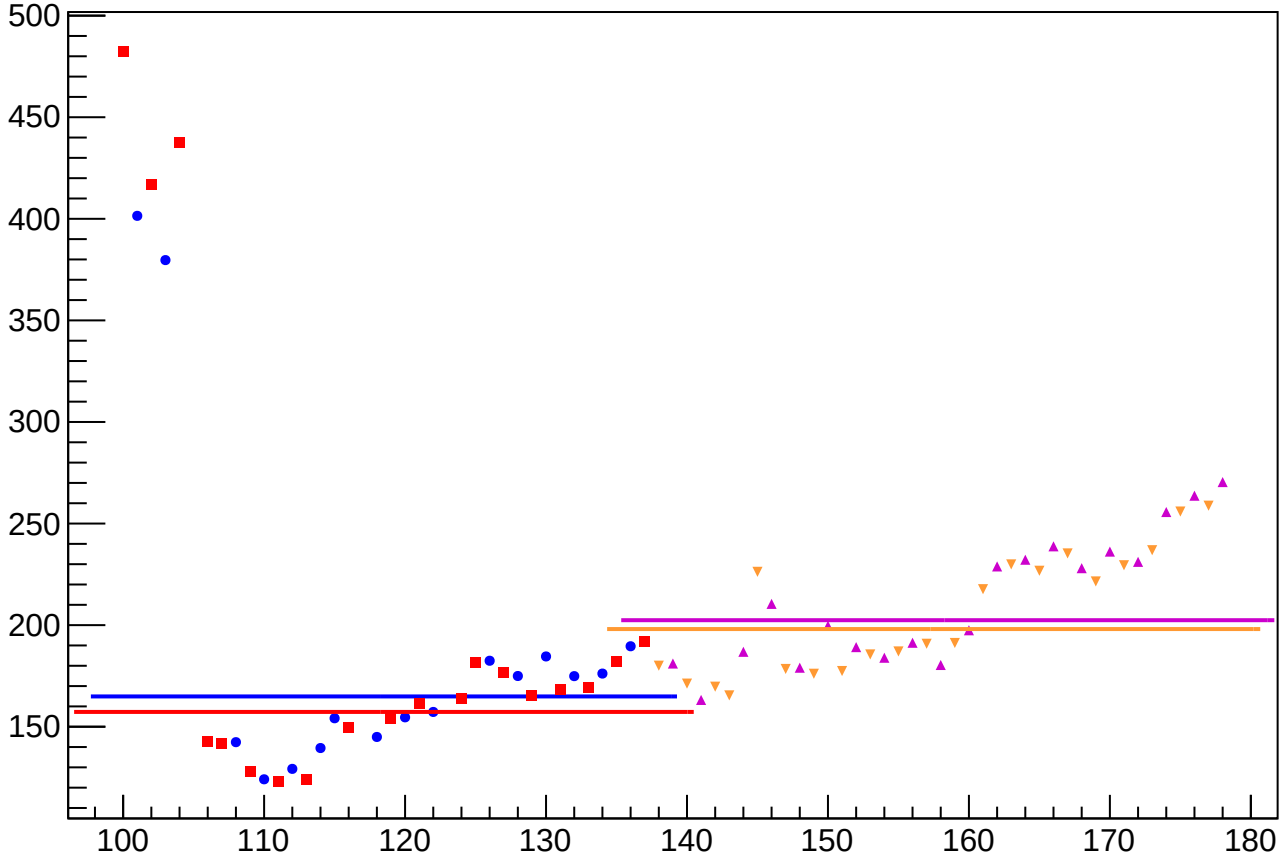
Left In: 159672.515+/-0.051 χ^2/NDF:65178820139.5/19

+ sign 158163.465+/-0.039 χ^2/NDF: 77127083104.

All: 157918.261+/-0.028 χ^2/NDF: 14645404

- sign 157676.127+/-0.039 χ^2/NDF: 69249660462.2

yield_bpm1i02WS_rms vs Slug



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 198.072+/-0.035 χ^2/NDF:621431.5/20

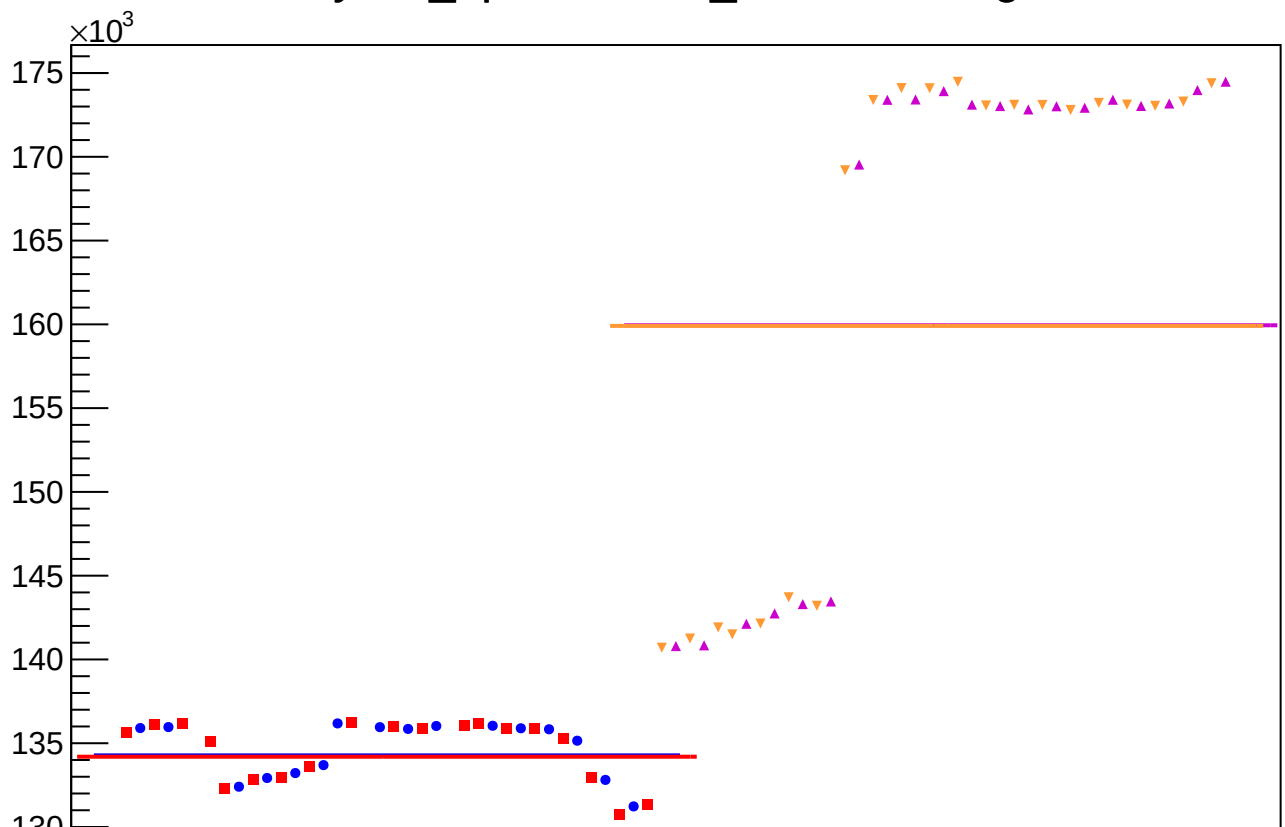
Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 202.432+/-0.036 χ^2/NDF:619292.5/19

\+ sign 186.009+/-0.028 χ^2/NDF: 2023485.3/36

All: 184.973+/-0.020 χ^2/NDF: 4546107.9/75

\- sign 183.949+/-0.028 χ^2/NDF: 2519859.7/38



Right In: 134276.096+/-0.051 χ^2/NDF: 1142867100.2/15

Left Out: 159909.280+/-0.050 χ^2/NDF:93905876757.5/20

Right Out: 134195.257+/-0.048 χ^2/NDF: 1205537499.7/18

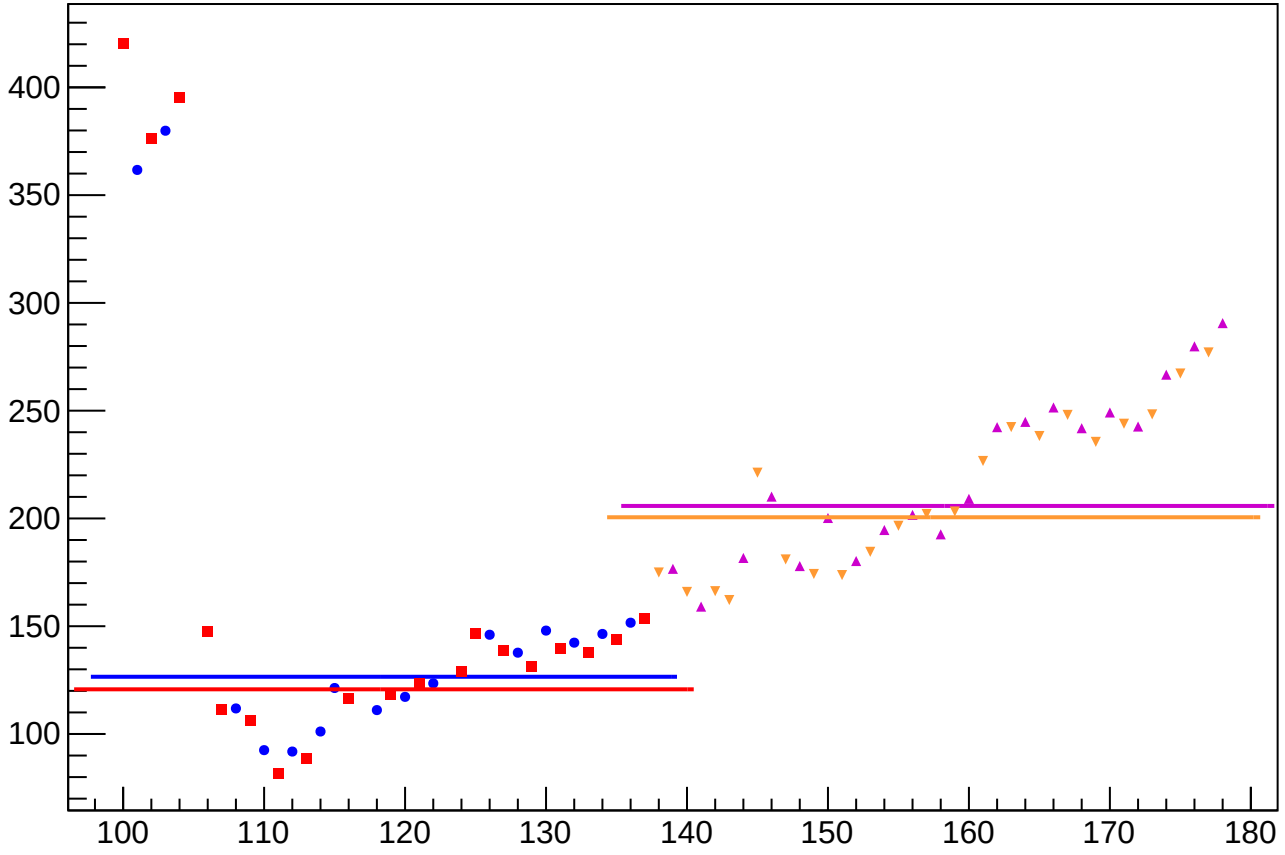
Left In: 159944.979+/-0.052 χ^2/NDF:86421627595.3/19

+ sign 147269.539+/-0.036 χ^2/NDF: 223982436582

All: 146653.872+/-0.025 χ^2/NDF: 44487128

- sign 146053.757+/-0.035 χ^2/NDF: 220301217417

yield_bpm1i04WS_rms vs Slug



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 200.548+/-0.035 χ^2/NDF:885240.1/20

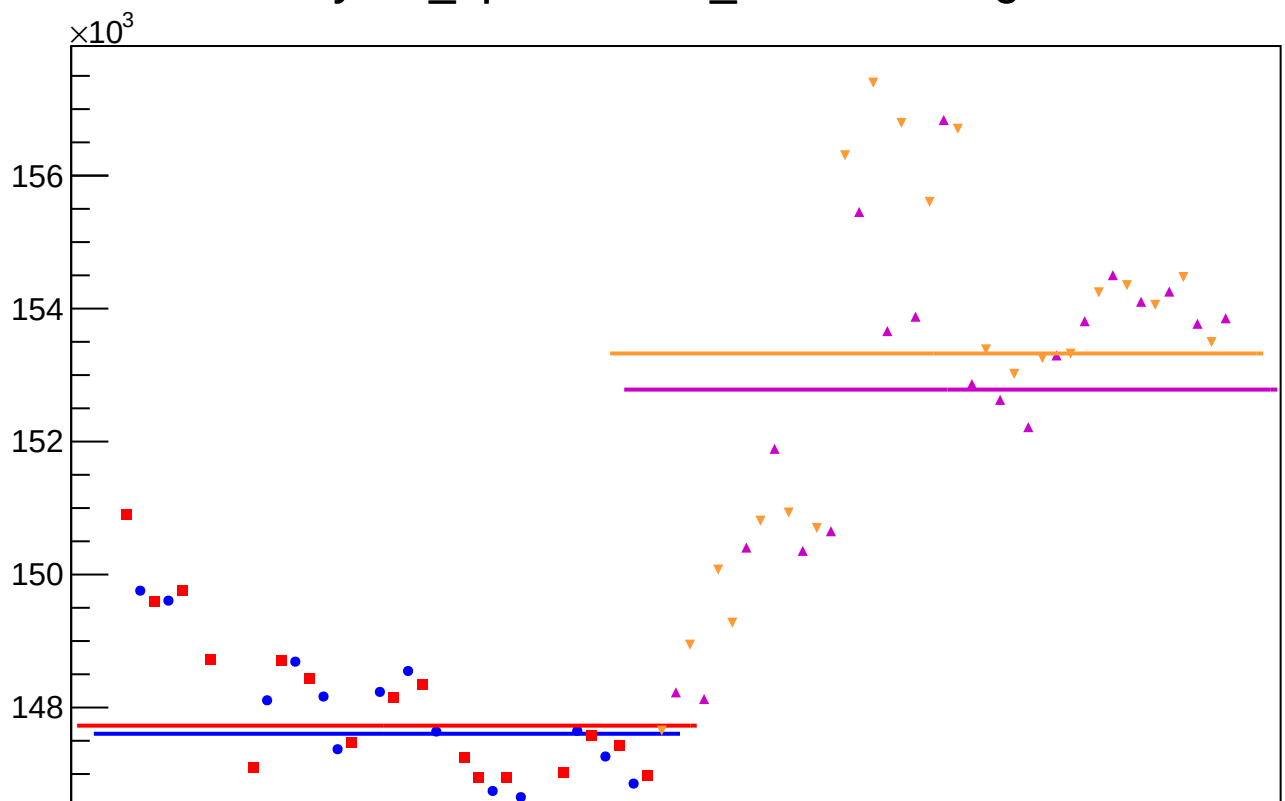
Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 205.803+/-0.037 χ^2/NDF:865161.3/19

+ sign 164.060+/-0.025 χ^2/NDF: 4511576.5/36

All: 161.956+/-0.018 χ^2/NDF: 9920023.0/75

- sign 159.905+/-0.025 χ^2/NDF: 5394719.5/38



Right In: 147605.604+/-0.062 χ^2/NDF: 200513366.5/15

Left Out: 153324.684+/-0.053 χ^2/NDF:2976422784.0/20

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

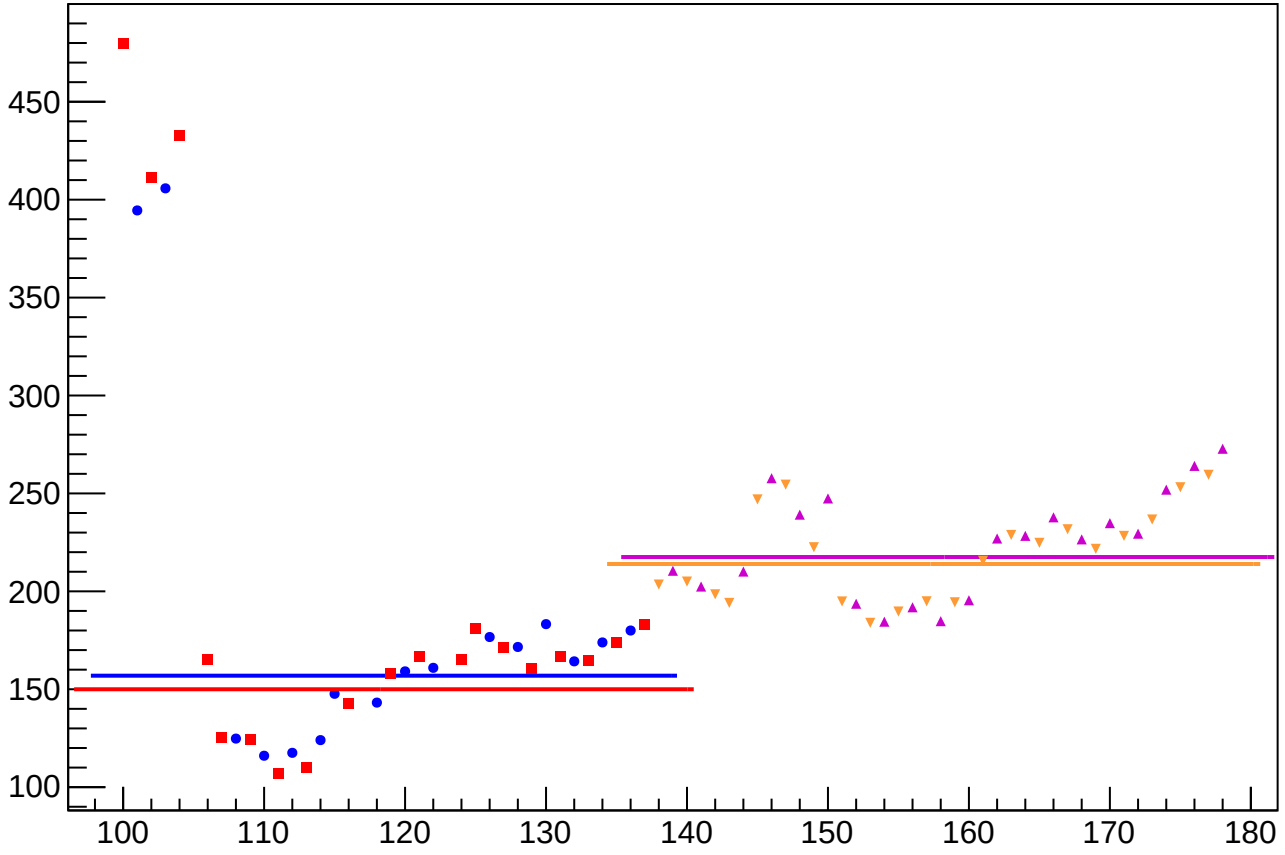
Left In: 152781.844+/-0.055 χ^2/NDF:1899070116.6/19

+ sign 150927.697+/-0.040 χ^2/NDF: 8044794636.3

All: 150686.828+/-0.028 χ^2/NDF: 14172181

- sign 150450.994+/-0.040 χ^2/NDF: 6057194759.2/

yield_bpm1i06WS_rms vs Slug



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 213.960+/-0.038 χ^2/NDF:351629.2/20

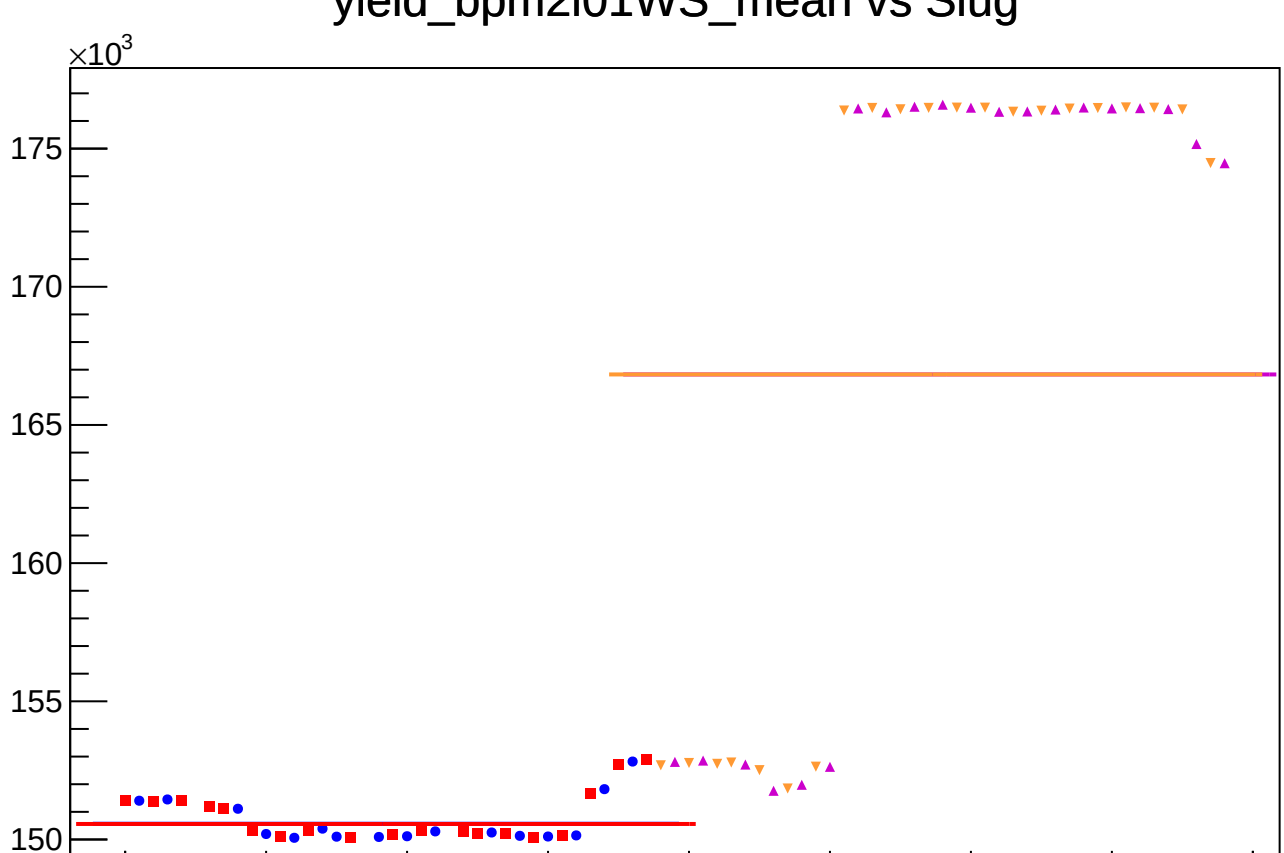
Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 217.517+/-0.039 χ^2/NDF:449032.1/19

+ sign 190.056+/-0.029 χ^2/NDF: 2585610.4/36

All: 188.198+/-0.020 χ^2/NDF: 5911695.2/75

- sign 186.378+/-0.028 χ^2/NDF: 3317724.9/38



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 166828.368+/-0.049 χ^2/NDF:57777467241.4/20

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

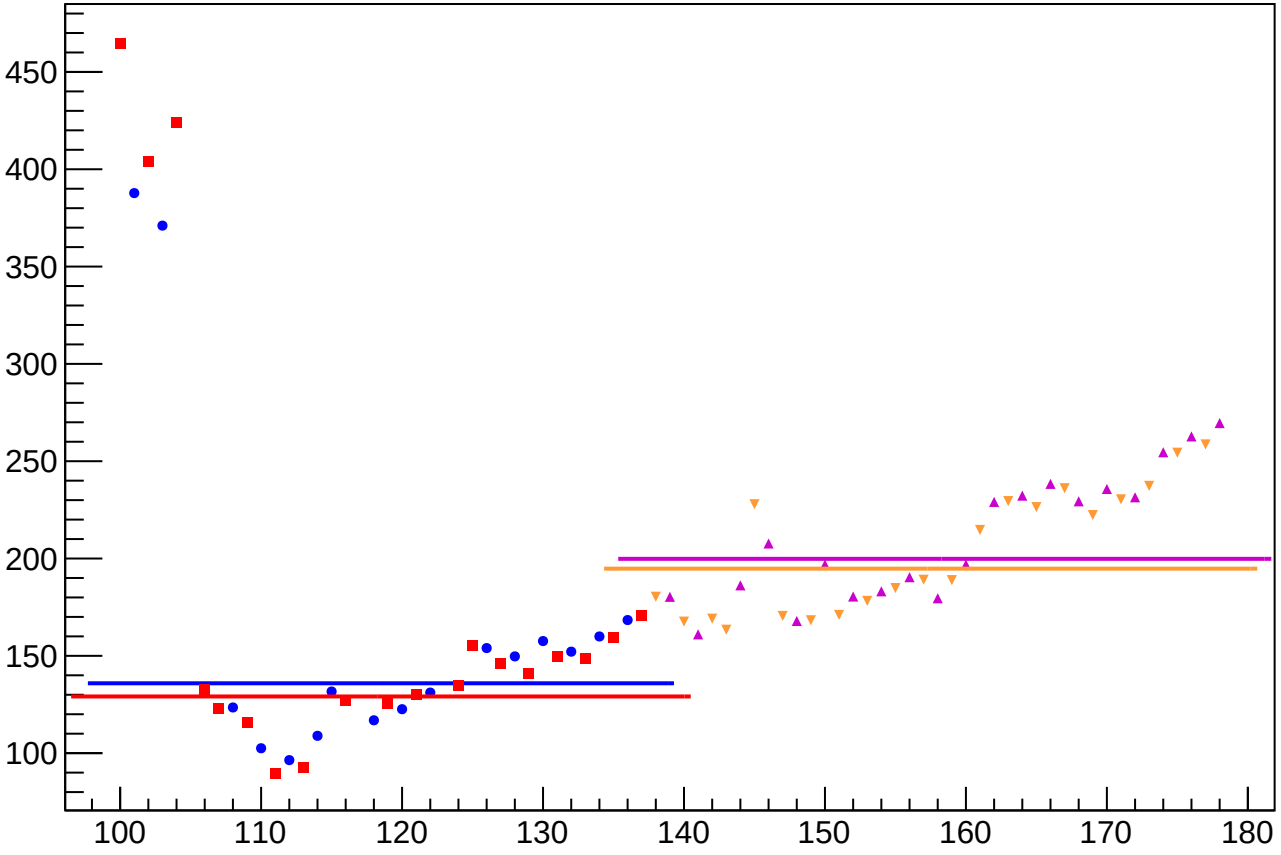
Left In: 166827.644+/-0.050 χ^2/NDF:53895361223.5/19

+ sign 159655.767+/-0.036 χ^2/NDF: 10755805946

All: 159227.872+/-0.025 χ^2/NDF: 2135532

- sign 158811.241+/-0.036 χ^2/NDF: 105720510534

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 194.797+/-0.034 χ^2/NDF:722699.5/20

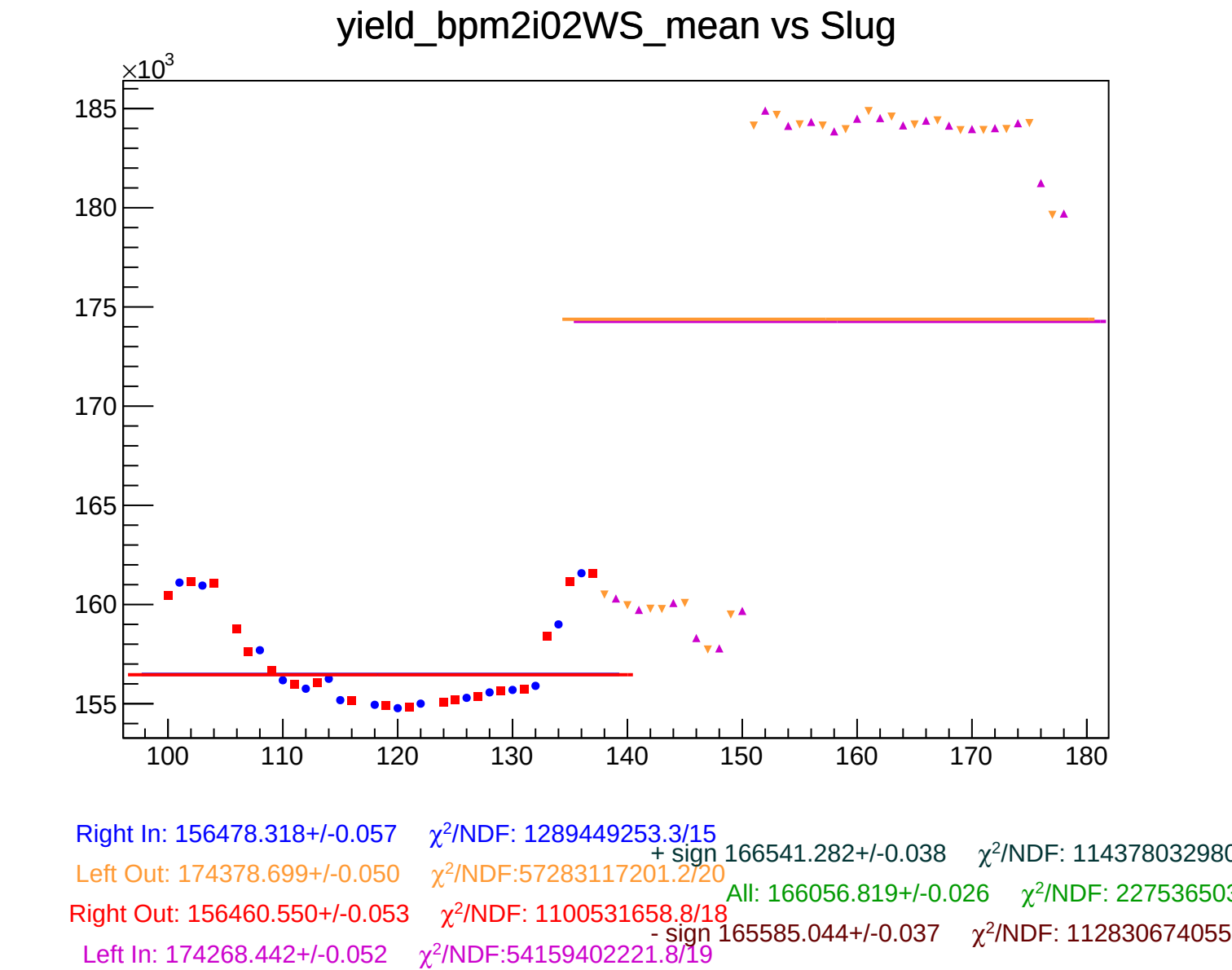
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 199.839+/-0.036 χ^2/NDF:690653.8/19

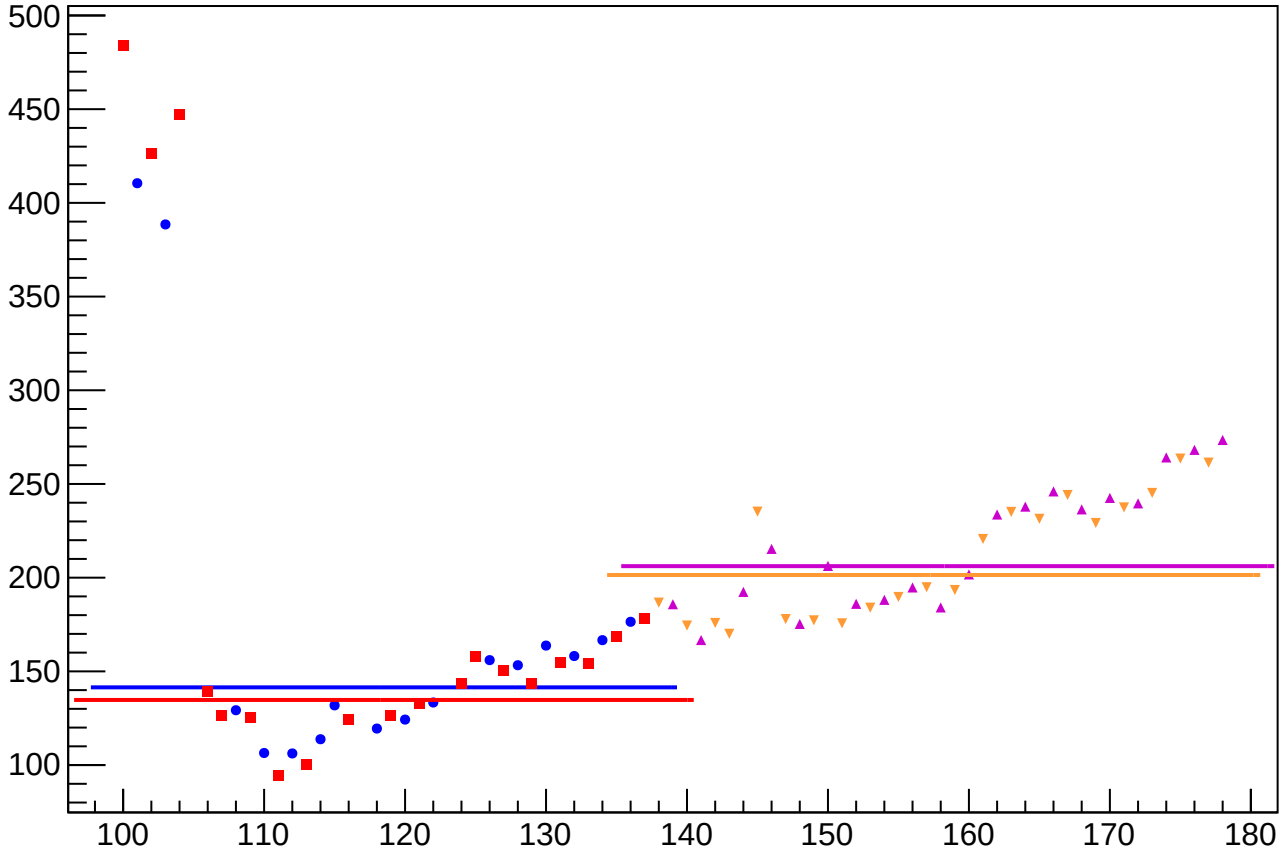
+ sign 168.814+/-0.026 χ^2/NDF: 3439300.1/36

All: 166.877+/-0.018 χ^2/NDF: 7706663.1/75

- sign 164.991+/-0.025 χ^2/NDF: 4256105.9/38


yield_bpm2i02WS_mean vs Slug
×10^3
185
180
175
170
165
160
155
100
110
120
130
140
150
160
170
180
Right In: 156478.318+/-0.057 χ²/NDF: 1289449253.3/15
Left Out: 174378.699+/-0.050 χ²/NDF:57283117201.2/20
Right Out: 156460.550+/-0.053 χ²/NDF: 1100531658.8/18
Left In: 174268.442+/-0.052 χ²/NDF:54159402221.8/19
+ sign 166541.282+/-0.038 χ²/NDF: 11437803298
All: 166056.819+/-0.026 χ²/NDF: 2275365
- sign 165585.044+/-0.037 χ²/NDF: 112830674055

yield_bpm2i02WS_rms vs Slug



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 201.428+/-0.035 χ^2/NDF:680407.4/20

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

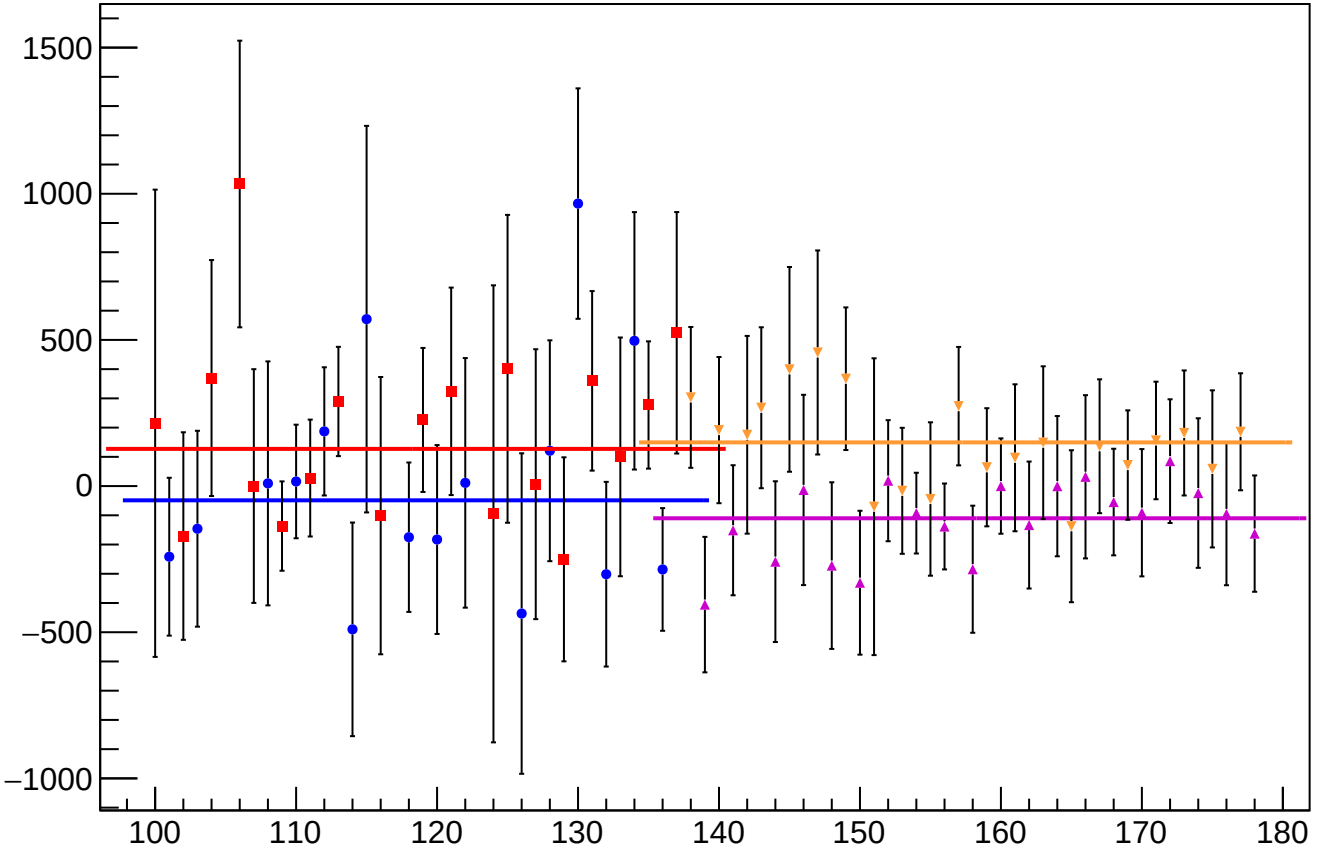
Left In: 206.150+/-0.037 χ^2/NDF:667393.2/19

+ sign 175.176+/-0.027 χ^2/NDF: 3324528.2/36

All: 173.229+/-0.019 χ^2/NDF: 7432754.2/75

- sign 171.332+/-0.026 χ^2/NDF: 4097632.0/38

asym_bcm_target_mean vs Slug



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 149.444+/-53.043 χ^2/NDF:6.2/20

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

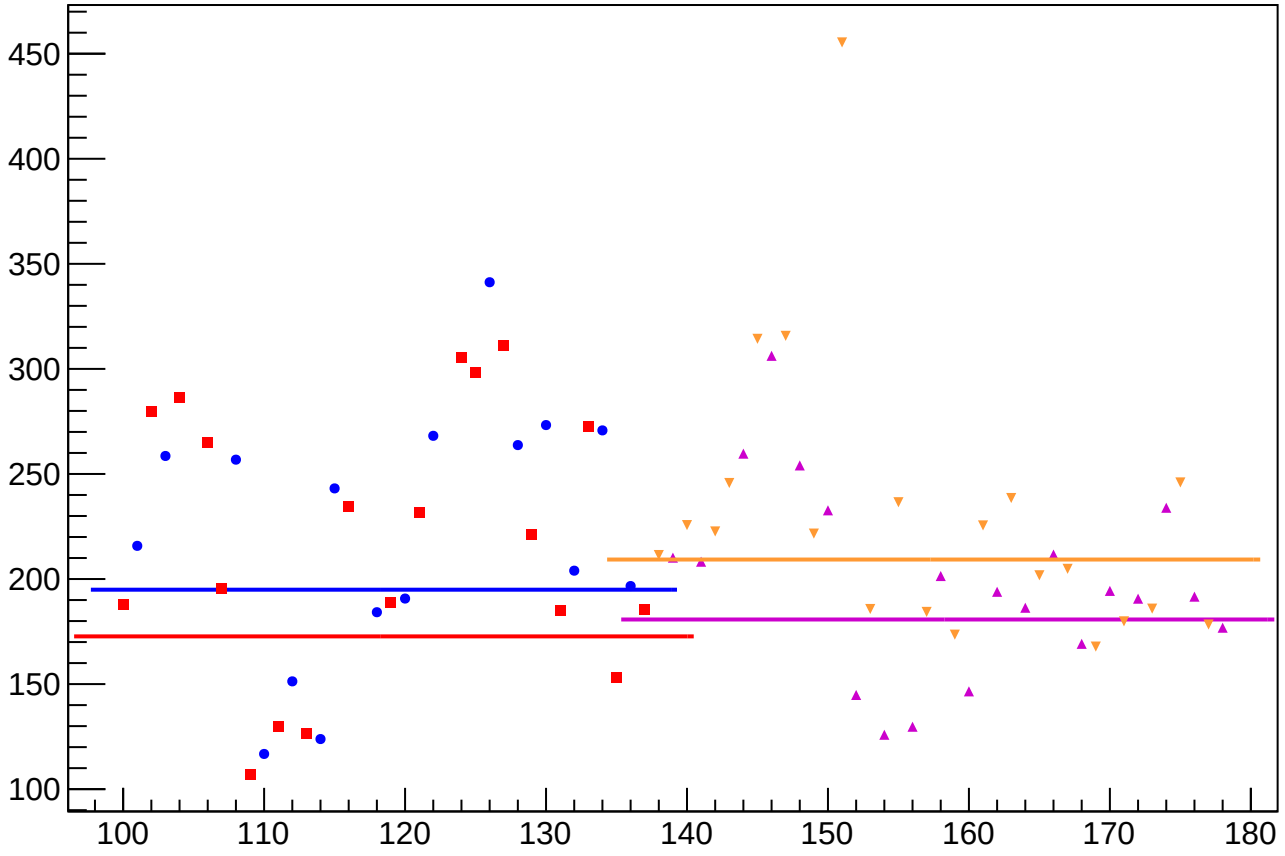
Left In: -110.191+/-46.965 χ^2/NDF:6.3/19

+ sign 85.199+/-43.607 χ^2/NDF: 26.2/36

All: 18.419+/-28.960 χ^2/NDF: 57.7/75

- sign -34.276+/-38.736 χ^2/NDF: 27.3/38

asym_bcm_target_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 209.279+/-0.038 χ^2/NDF:1311816.0/20

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

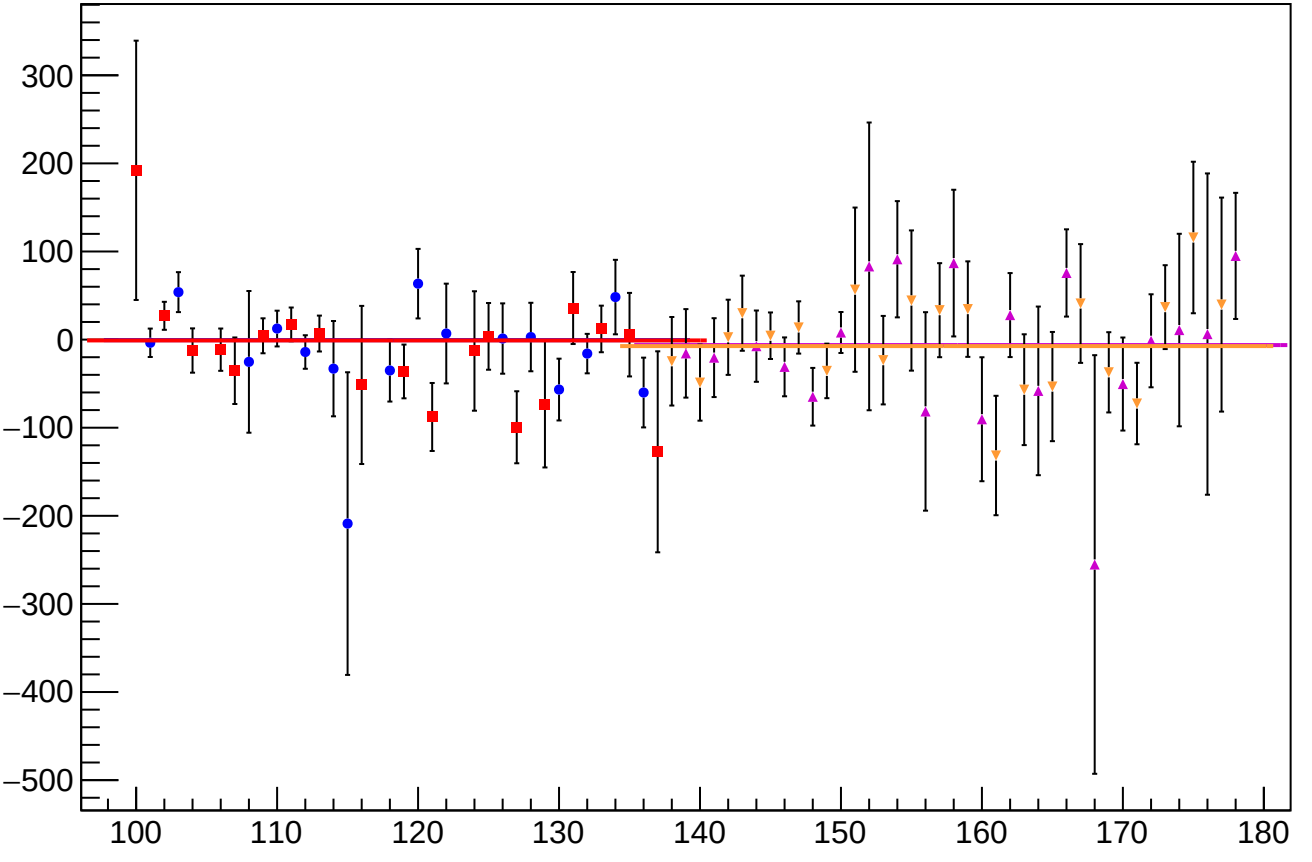
Left In: 180.744+/-0.033 χ^2/NDF:1613376.5/19

+ sign 204.625+/-0.031 χ^2/NDF: 2388207.8/36

All: 189.840+/-0.020 χ^2/NDF: 6063016.5/75

- sign 178.173+/-0.027 χ^2/NDF: 3263468.2/38

asym_bcm_an_diff_mean vs Slug



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: -7.376+/-10.231 χ^2/NDF:16.1/20

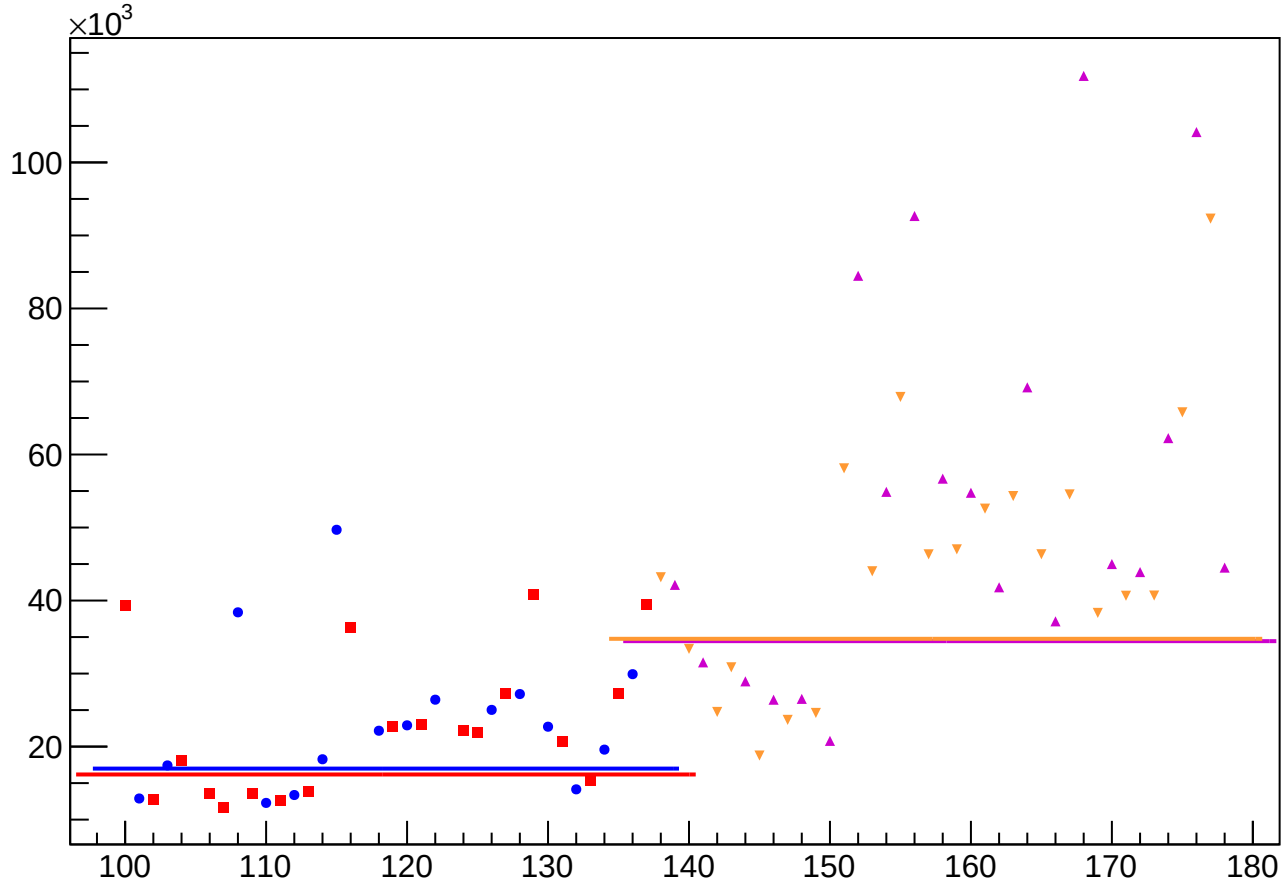
Right Out: -0.938+/-6.767 χ^2/NDF: 23.1/18

Left In: -6.235+/-11.266 χ^2/NDF:17.3/19

+ sign -2.918+/-5.964 χ^2/NDF: 35.3/36

All: -2.622+/-4.158 χ^2/NDF: 75.7/75

- sign -2.342+/-5.801 χ^2/NDF: 40.5/38



Right In: 16986.402+/-5.190 χ^2/NDF: 1194096.1/15

Left Out: 34760.379+/-7.235 χ^2/NDF:3507493.5/20

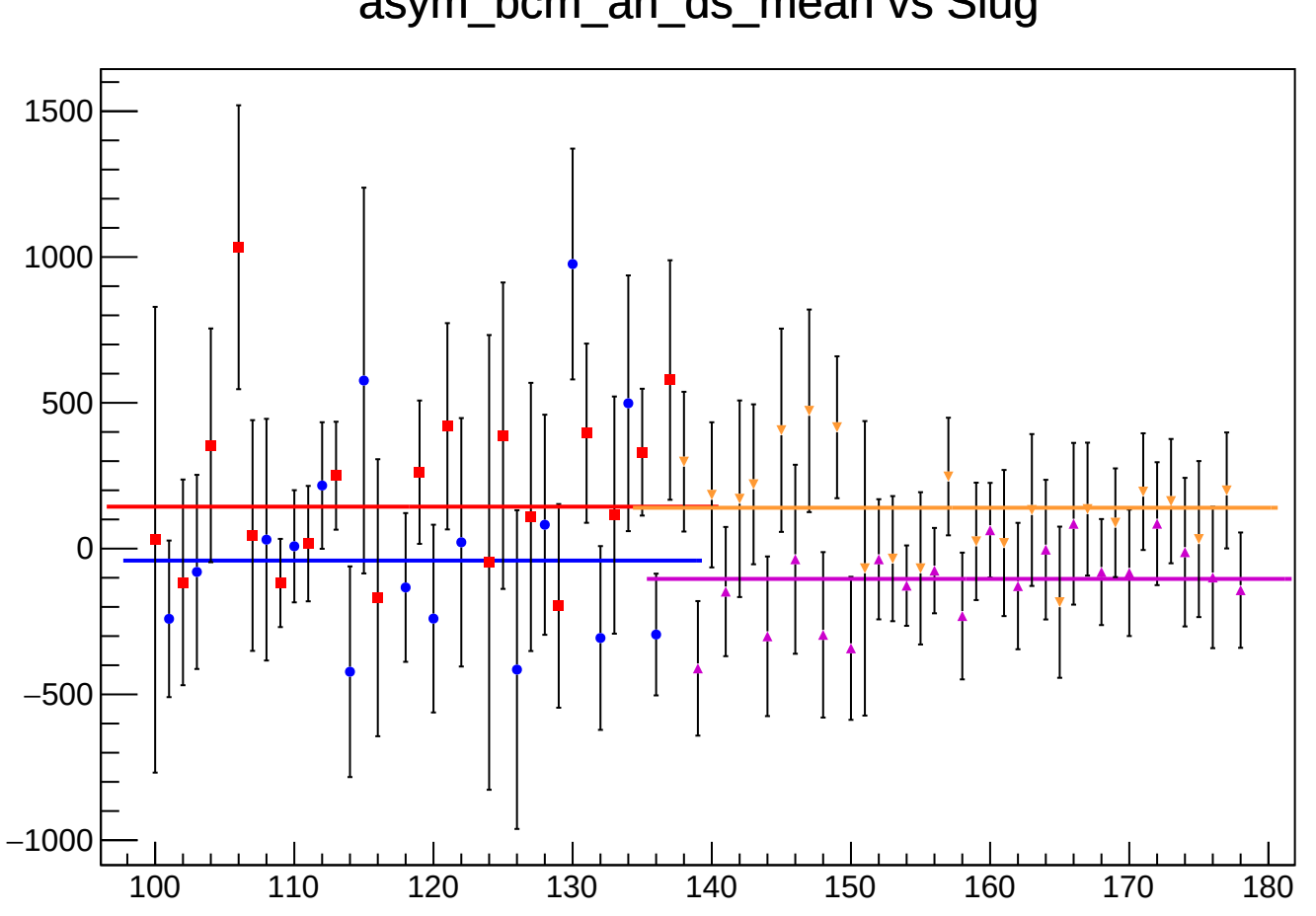
Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

Left In: 34440.343+/-7.966 χ^2/NDF:3373155.7/19

+ sign 23026.027+/-4.217 χ^2/NDF: 8686322.4/36

All: 21996.657+/-2.940 χ^2/NDF: 17287248.5

- sign 21022.844+/-4.102 χ^2/NDF: 8484989.0/38



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 140.100+/-52.818 χ^2/NDF:7.6/20

Right Out: 143.821+/-68.080 χ^2/NDF: 13.0/18

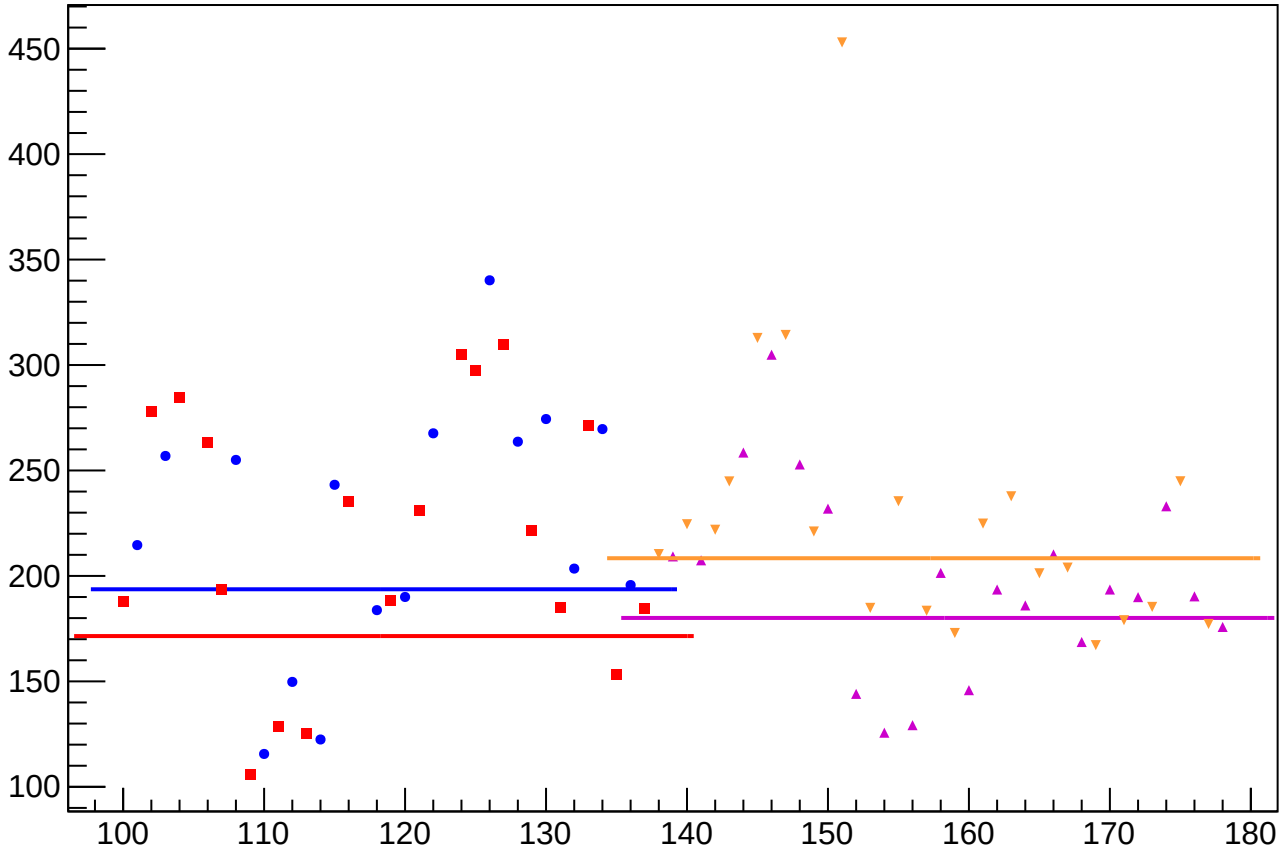
Left In: -103.936+/-46.788 χ^2/NDF:7.0/19

+ sign 81.267+/-43.401 χ^2/NDF: 26.9/36

All: 22.182+/-28.826 χ^2/NDF: 59.2/75

- sign -24.456+/-38.560 χ^2/NDF: 29.0/38

asym_bcm_an_ds_rms vs Slug



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 208.394+/-0.037 χ^2/NDF:1311892.9/20

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

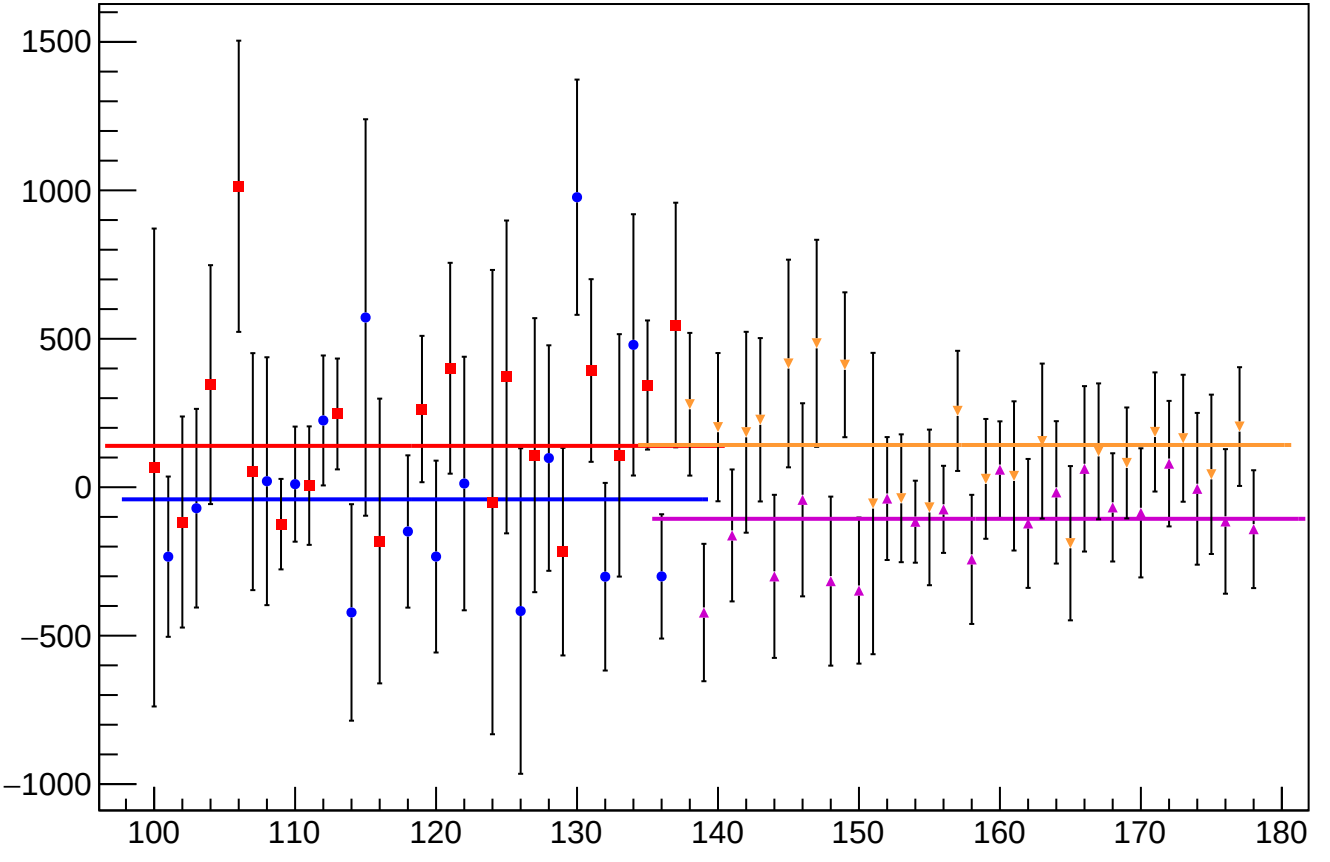
Left In: 180.079+/-0.033 χ^2/NDF:1609658.3/19

+ sign 203.612+/-0.031 χ^2/NDF: 2412143.3/36

All: 188.919+/-0.020 χ^2/NDF: 6106582.2/75

- sign 177.322+/-0.027 χ^2/NDF: 3284300.0/38

asym_bcm_an_ds3_mean vs Slug



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 142.289+/-52.991 χ^2/NDF:7.6/20

Right Out: 139.292+/-68.459 χ^2/NDF: 12.9/18

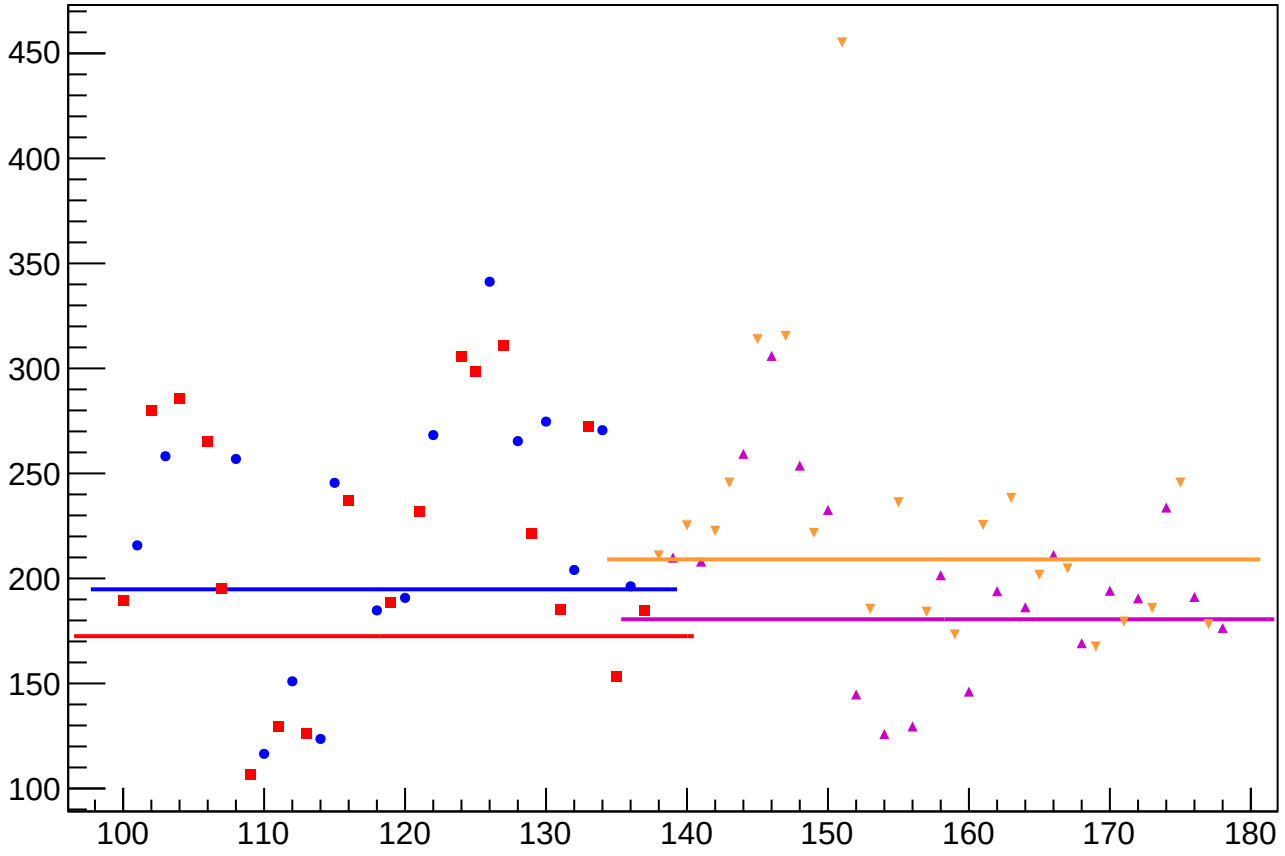
Left In: -106.399+/-46.919 χ^2/NDF:7.1/19

+ sign 83.007+/-43.576 χ^2/NDF: 26.9/36

All: 21.018+/-28.937 χ^2/NDF: 59.2/75

- sign -27.878+/-38.702 χ^2/NDF: 28.7/38

asym_bcm_an_ds3_rms vs Slug



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 209.068+/-0.037 χ^2/NDF:1313214.1/20

Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

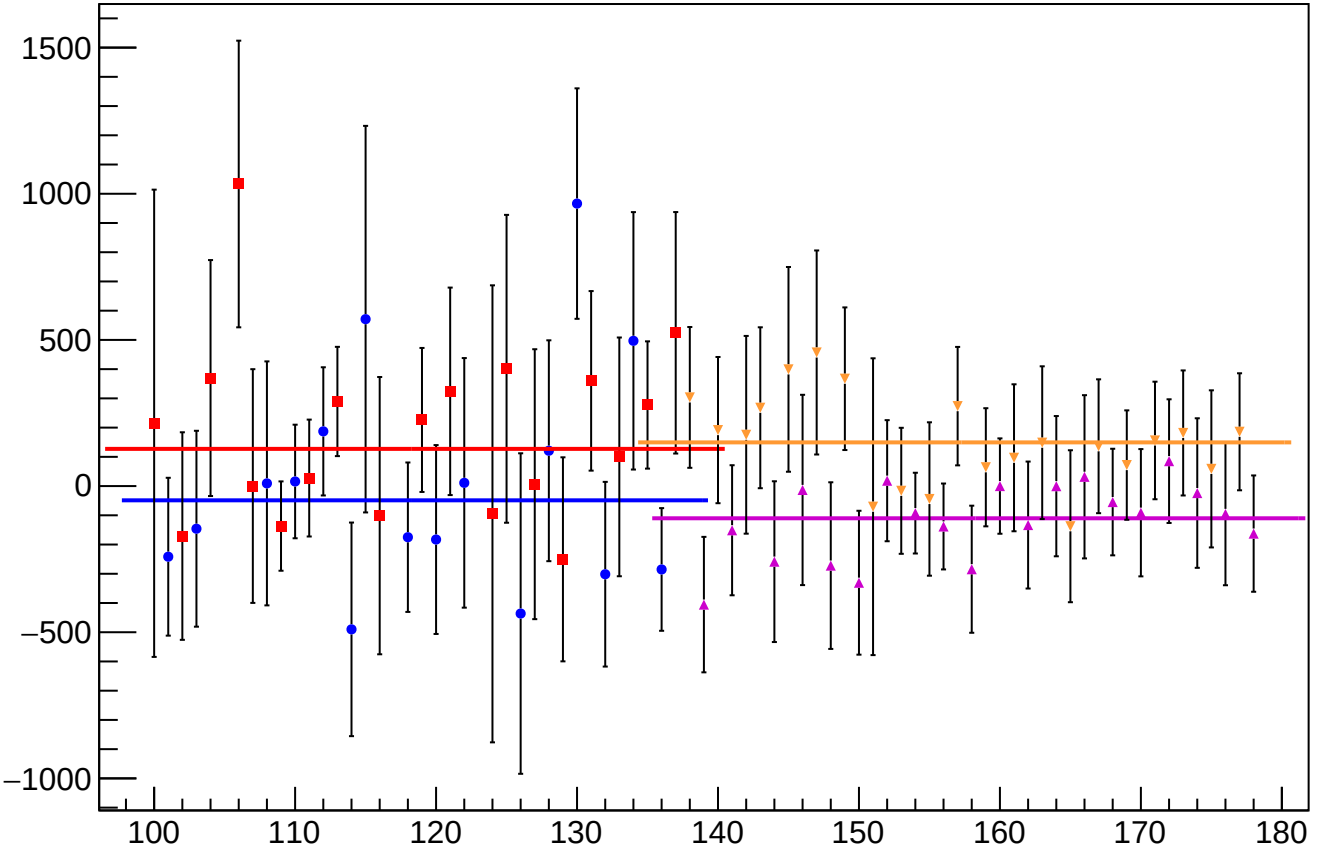
Left In: 180.562+/-0.033 χ^2/NDF:1613616.3/19

+ sign 204.454+/-0.031 χ^2/NDF: 2399130.4/36

All: 189.659+/-0.020 χ^2/NDF: 6086097.1/75

- sign 177.988+/-0.027 χ^2/NDF: 3274518.3/38

asym_bcm_an_us_mean vs Slug



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 149.444+/-53.043 χ^2/NDF:6.2/20

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

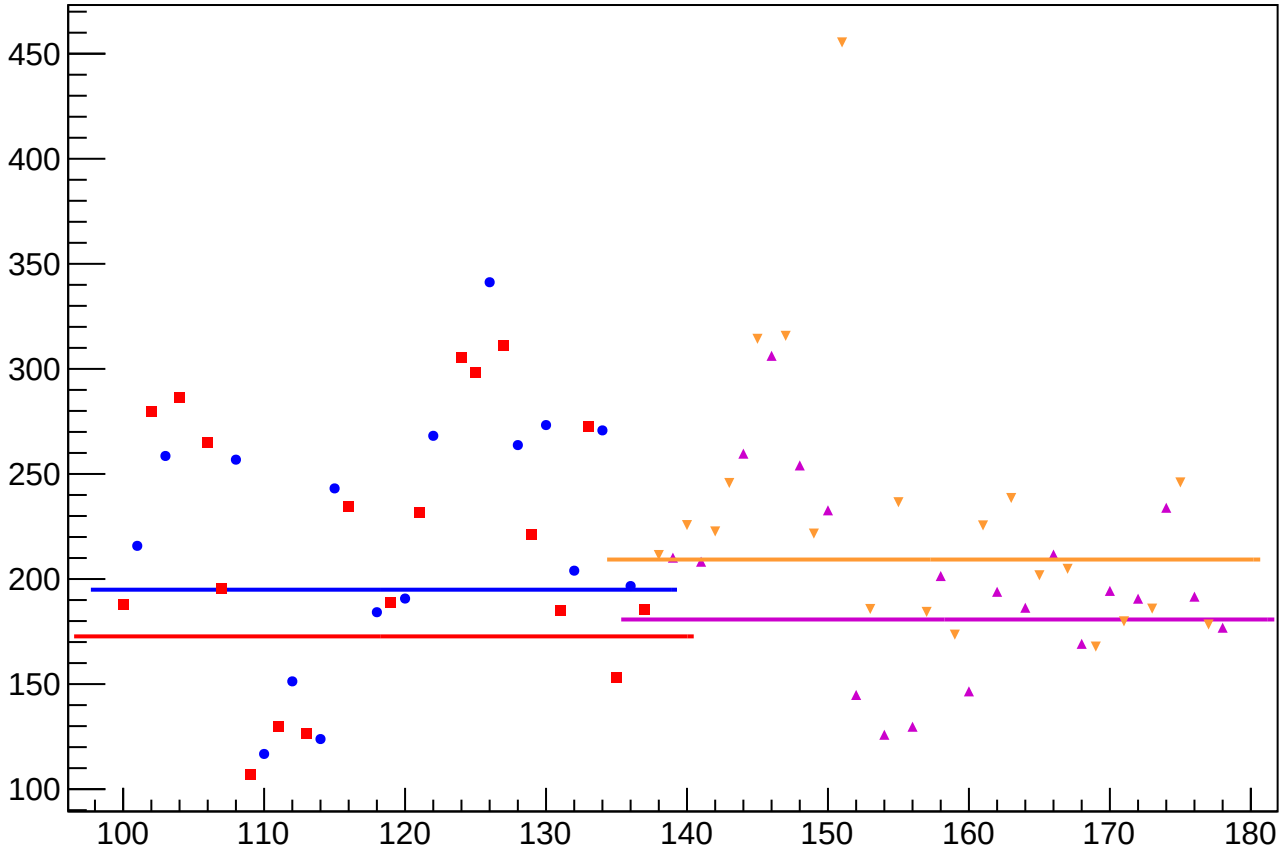
Left In: -110.191+/-46.965 χ^2/NDF:6.3/19

+ sign 85.199+/-43.607 χ^2/NDF: 26.2/36

All: 18.419+/-28.960 χ^2/NDF: 57.7/75

- sign -34.276+/-38.736 χ^2/NDF: 27.3/38

asym_bcm_an_us_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 209.279+/-0.038 χ^2/NDF:1311816.0/20

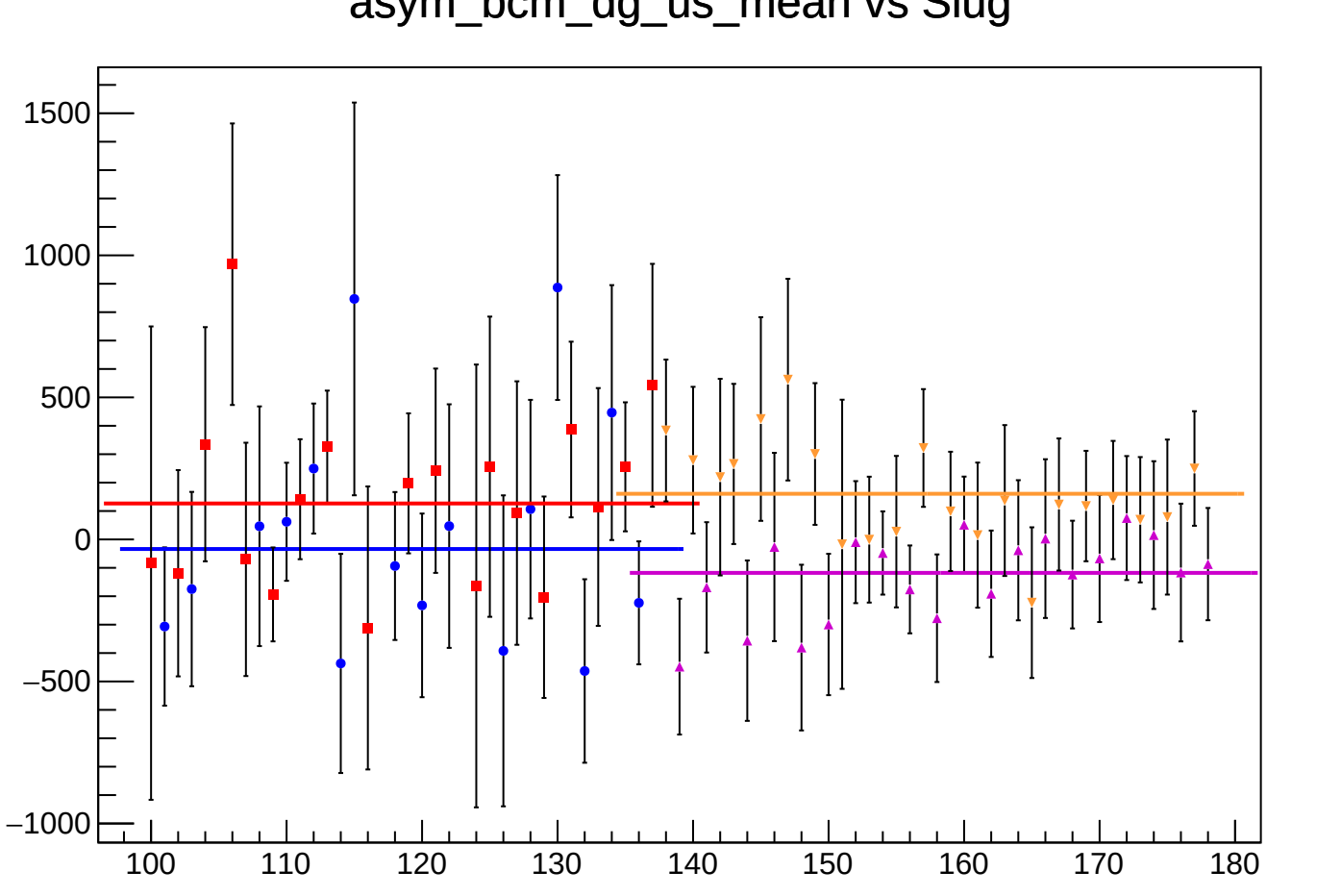
Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 180.744+/-0.033 χ^2/NDF:1613376.5/19

+ sign 204.625+/-0.031 χ^2/NDF: 2388207.8/36

All: 189.840+/-0.020 χ^2/NDF: 6063016.5/75

- sign 178.173+/-0.027 χ^2/NDF: 3263468.2/38



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 160.664+/-54.360 χ^2/NDF:7.9/20

Right Out: 126.563+/-71.309 χ^2/NDF: 12.7/18

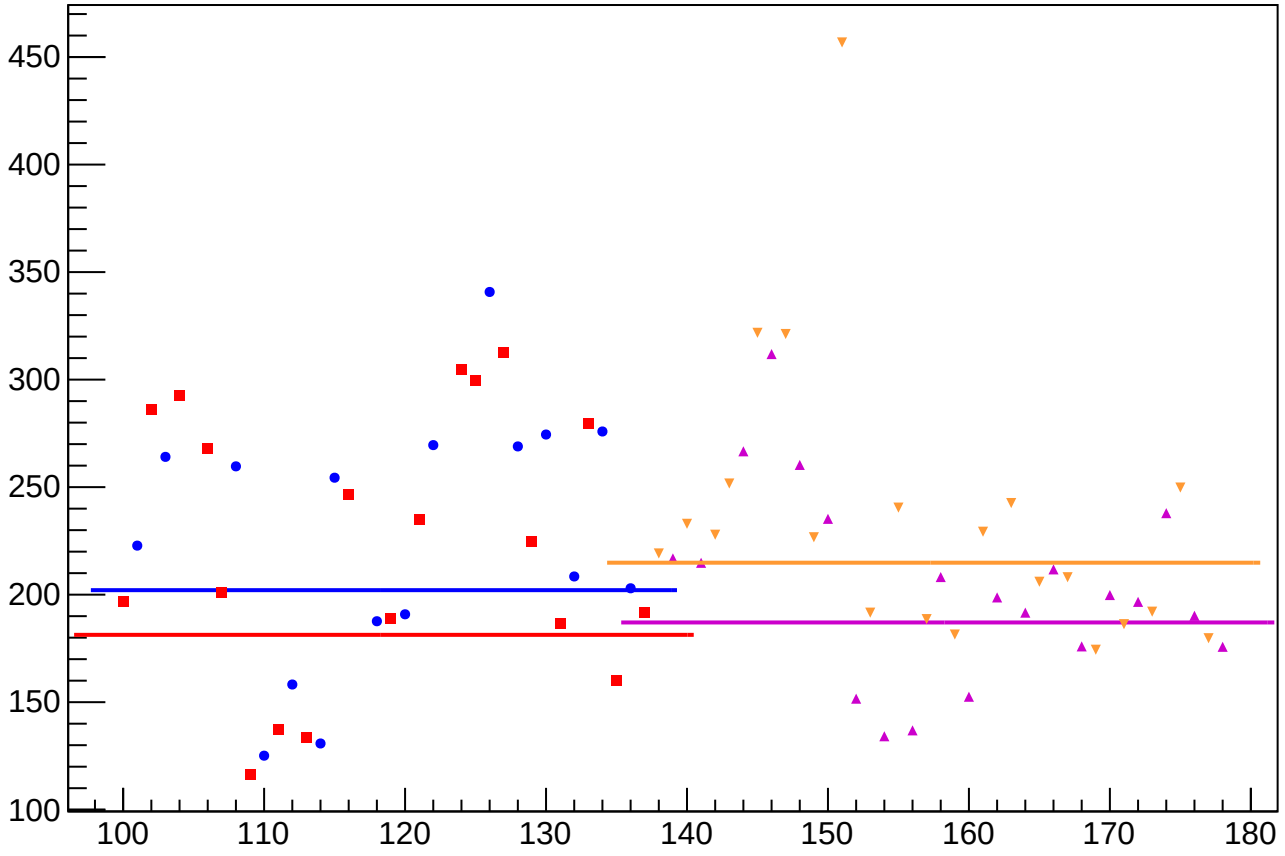
Left In: -117.742+/-48.428 χ^2/NDF:7.7/19

+ sign 98.193+/-44.782 χ^2/NDF: 27.7/36

All: 21.083+/-29.858 χ^2/NDF: 61.5/75

- sign -40.630+/-40.063 χ^2/NDF: 28.5/38

asym_bcm_dg_us_rms vs Slug



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 214.865+/-0.038 χ^2/NDF:1255663.5/20

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

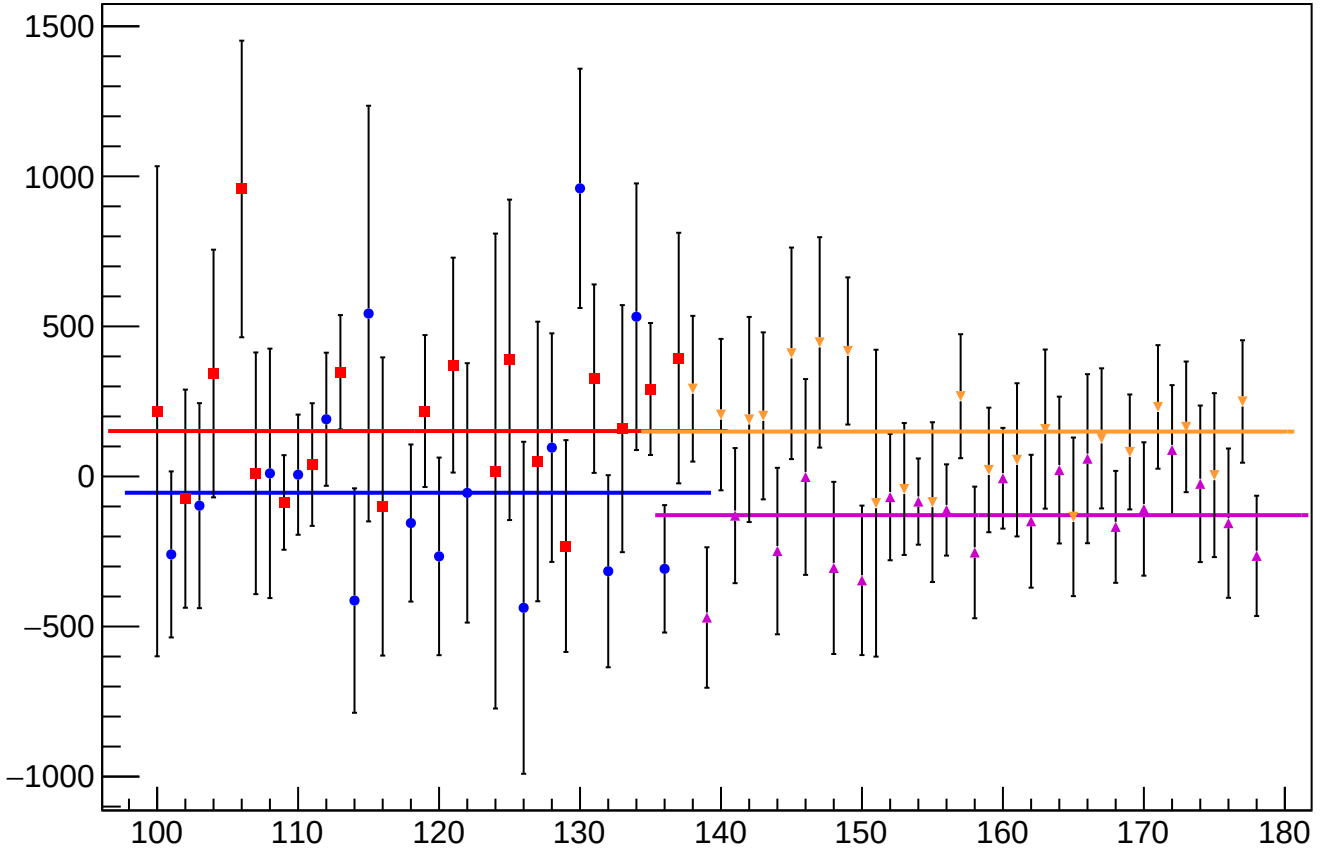
Left In: 187.071+/-0.034 χ^2/NDF:1453021.0/19

+ sign 210.760+/-0.032 χ^2/NDF: 2201417.8/36

All: 196.592+/-0.021 χ^2/NDF: 5464747.1/75

- sign 185.253+/-0.028 χ^2/NDF: 2902935.8/38

asym_bcm_dg_ds_mean vs Slug



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 149.526+/-53.923 χ^2/NDF:7.5/20

Right Out: 151.358+/-69.902 χ^2/NDF: 10.2/18

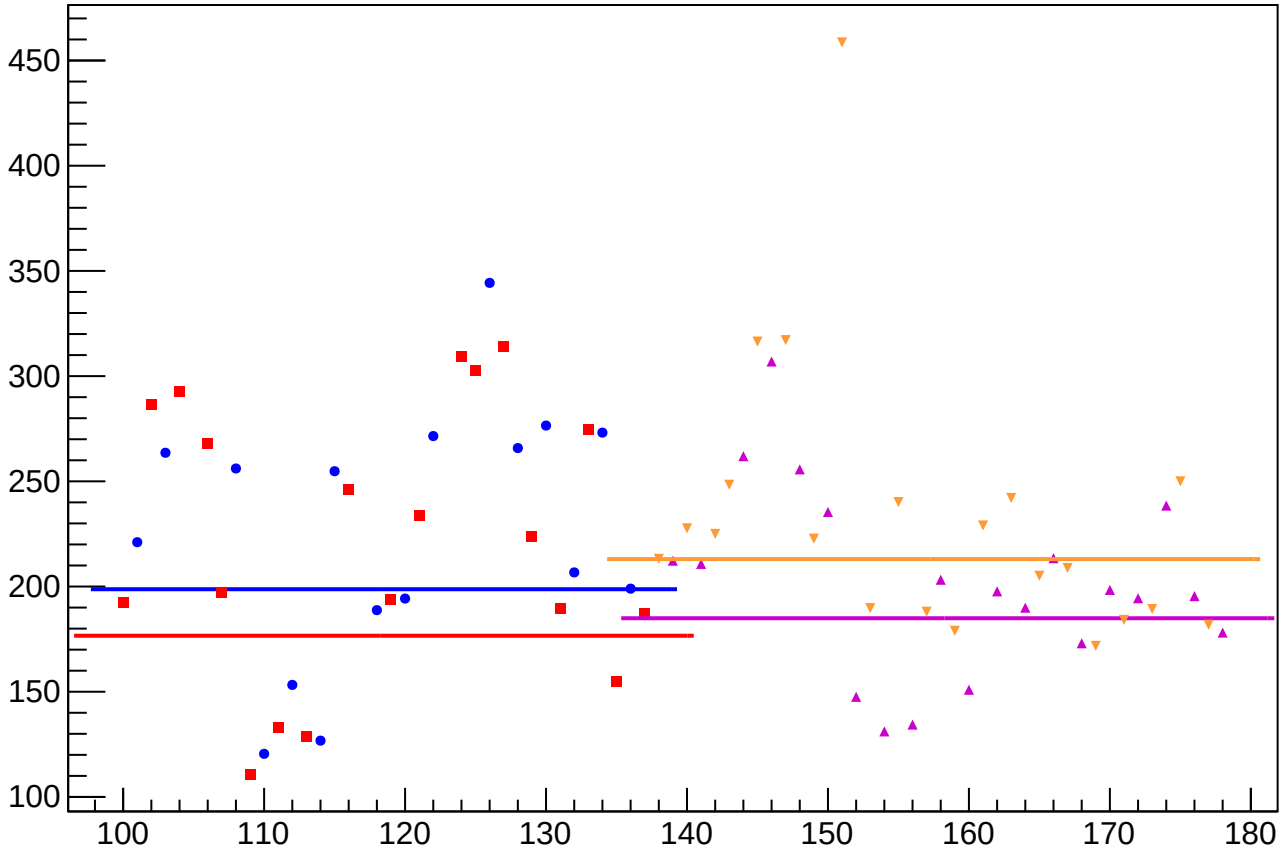
Left In: -128.937+/-47.933 χ^2/NDF:7.2/19

+ sign 83.567+/-44.346 χ^2/NDF: 27.2/36

All: 15.110+/-29.509 χ^2/NDF: 59.8/75

- sign -39.292+/-39.532 χ^2/NDF: 28.4/38

asym_bcm_dg_ds_rms vs Slug



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 213.040+/-0.038 χ^2/NDF:1254069.6/20

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

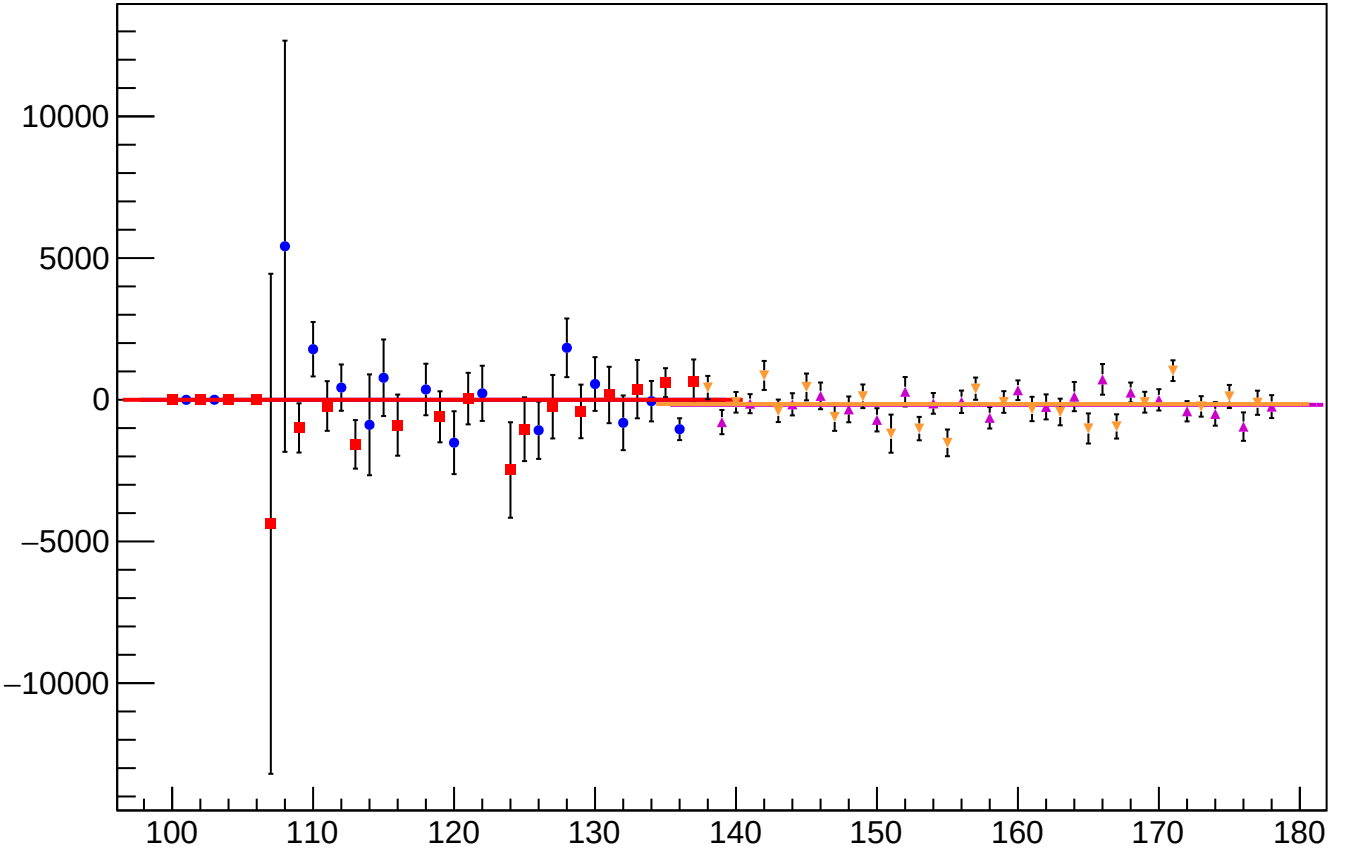
Left In: 184.926+/-0.034 χ^2/NDF:1489669.9/19

+ sign 208.405+/-0.031 χ^2/NDF: 2293805.0/36

All: 193.842+/-0.021 χ^2/NDF: 5785447.8/75

- sign 182.270+/-0.028 χ^2/NDF: 3104579.6/38

asym_cav4bQ_mean vs Slug



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: -151.439+/-92.491 χ^2/NDF:43.8/20

Right Out: -1.377+/-2.022 χ^2/NDF: 16.8/18

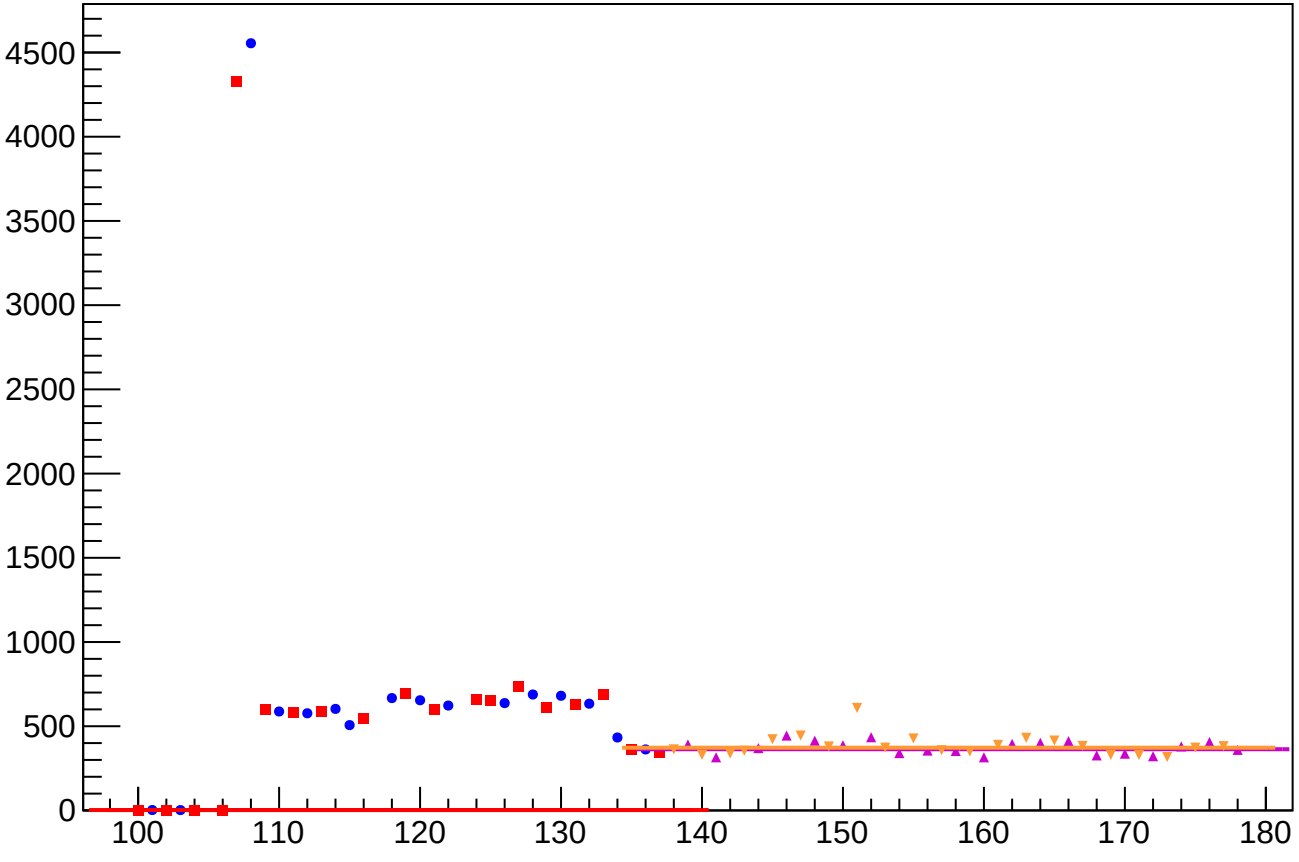
Left In: -178.992+/-91.243 χ^2/NDF:17.0/19

+ sign -1.322+/-2.170 χ^2/NDF: 66.4/36

All: -1.398+/-1.479 χ^2/NDF: 104.1/75

- sign -1.465+/-2.022 χ^2/NDF: 37.7/38

asym_cav4bQ_rms vs Slug



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 372.598+/-0.065 χ^2/NDF:543309.4/20

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

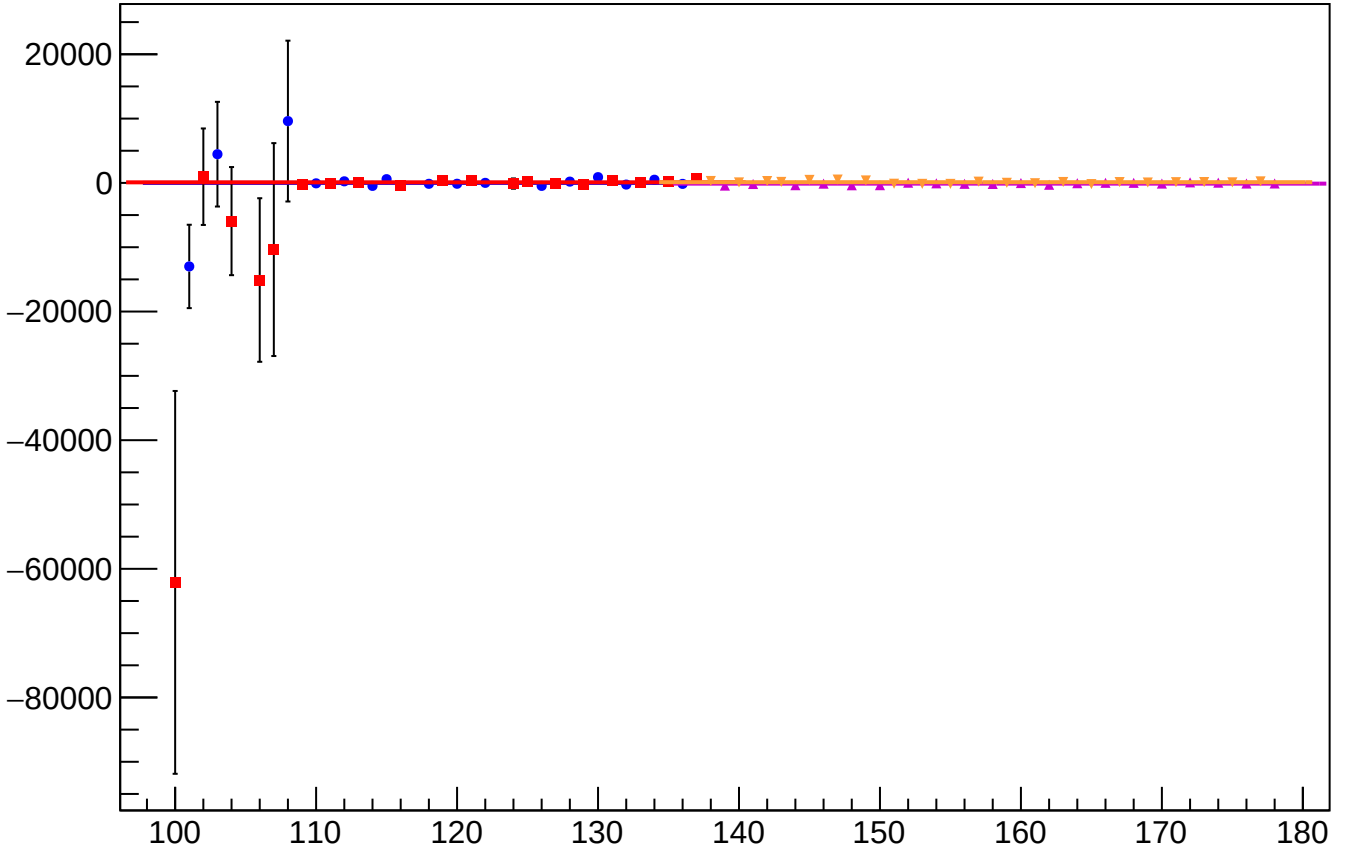
Left In: 363.537+/-0.065 χ^2/NDF:340393.8/19

\+ sign 2.681+/-0.002 χ^2/NDF: 44179339.6/36

All: 2.659+/-0.001 χ^2/NDF: 87370344.4/75

\- sign 2.639+/-0.001 χ^2/NDF: 43190622.4/38

asym_cav4cQ_mean vs Slug



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 112.900+/-55.593 χ^2/NDF:8.8/20

Right Out: 88.089+/-81.605 χ^2/NDF: 14.9/18

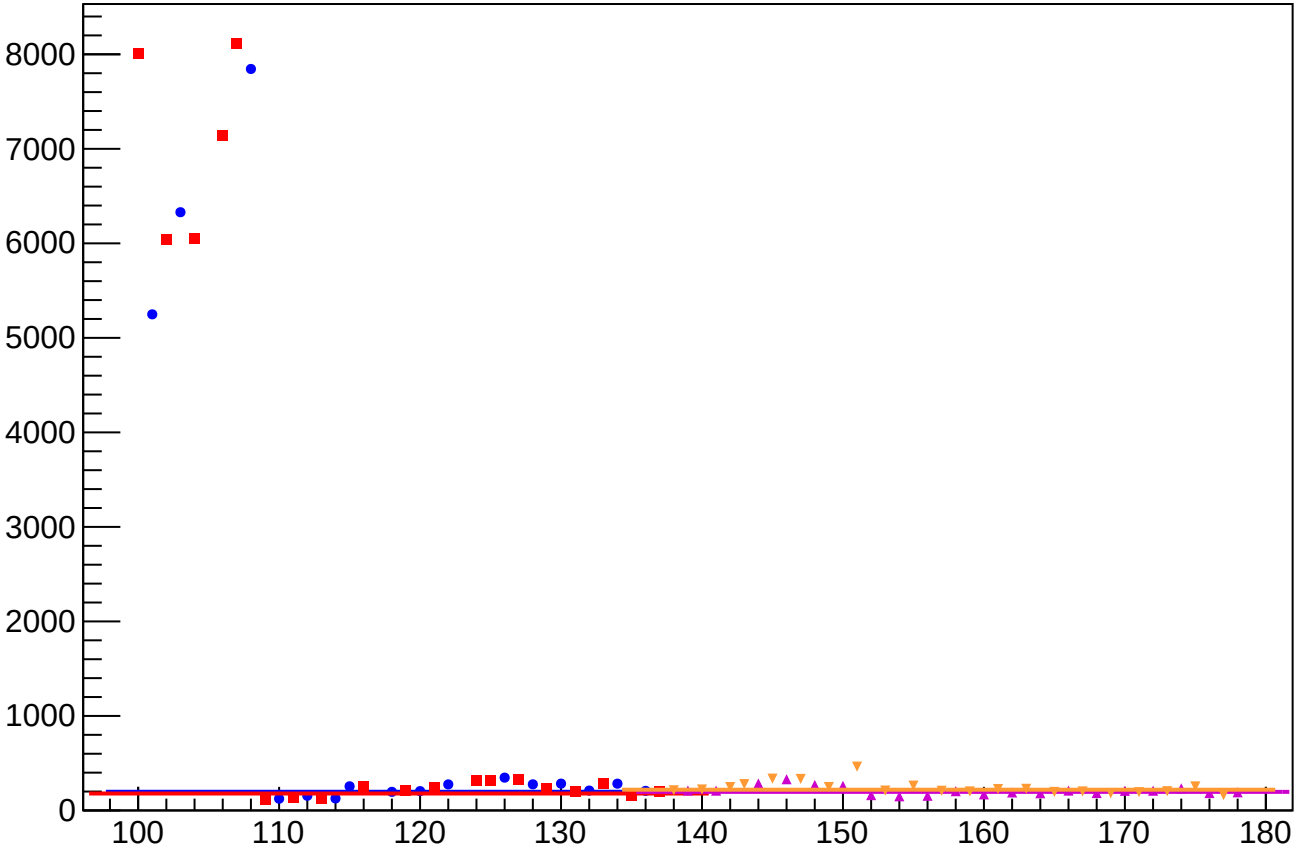
Left In: -113.270+/-50.634 χ^2/NDF:7.2/19

+ sign 80.767+/-46.973 χ^2/NDF: 26.8/36

All: 5.690+/-31.727 χ^2/NDF: 58.0/75

- sign -57.297+/-43.025 χ^2/NDF: 26.4/38

asym_cav4cQ_rms vs Slug



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 219.500+/-0.039 χ^2/NDF:1377635.8/20

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

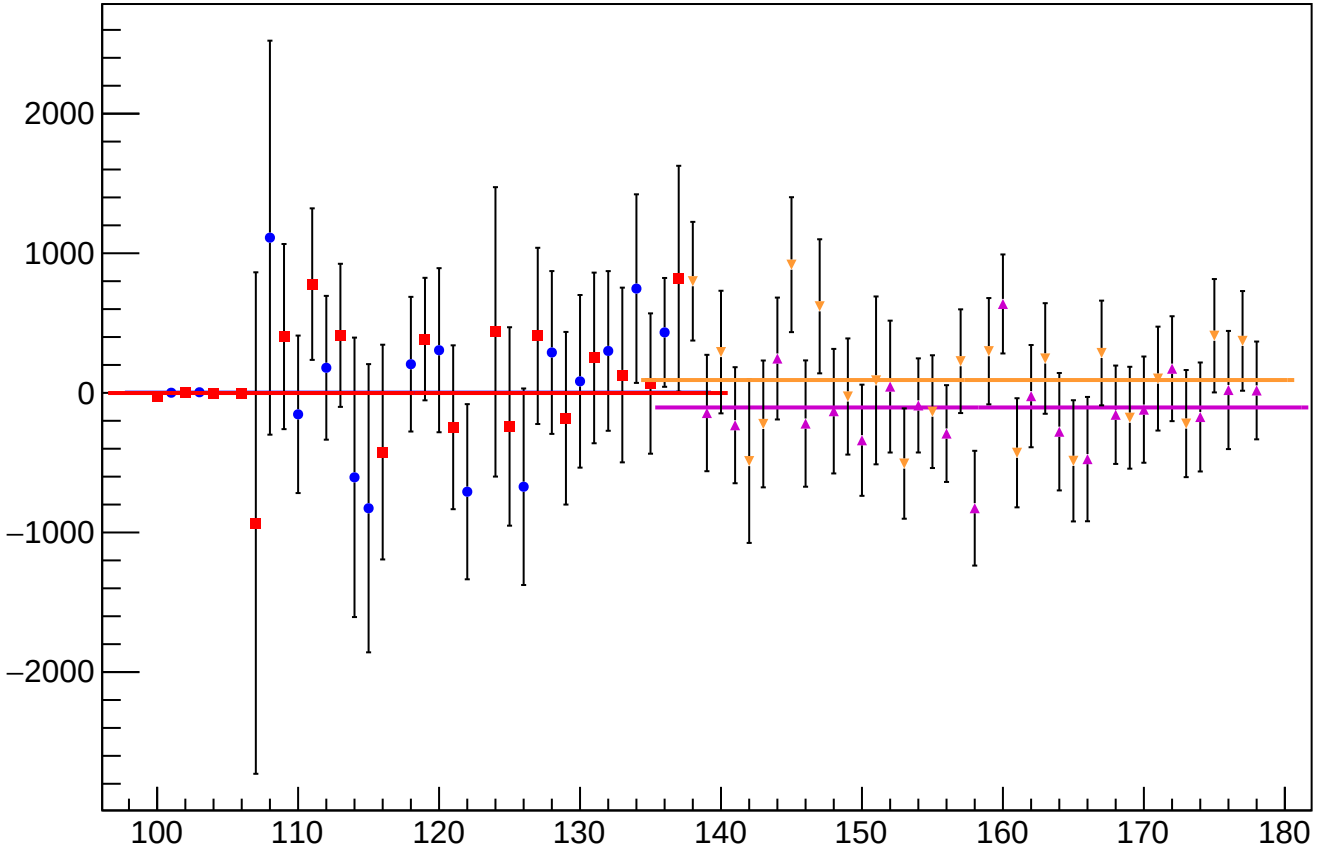
Left In: 196.721+/-0.036 χ^2/NDF:1144001.3/19

+ sign 213.241+/-0.033 χ^2/NDF: 5423460.2/36

All: 201.617+/-0.022 χ^2/NDF: 11277309.0/75

- sign 191.864+/-0.030 χ^2/NDF: 5628615.2/38

asym_cav4dQ_mean vs Slug



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 91.935+/-90.132 χ^2/NDF:18.1/20

Right Out: -1.094+/-1.528 χ^2/NDF: 9.2/18

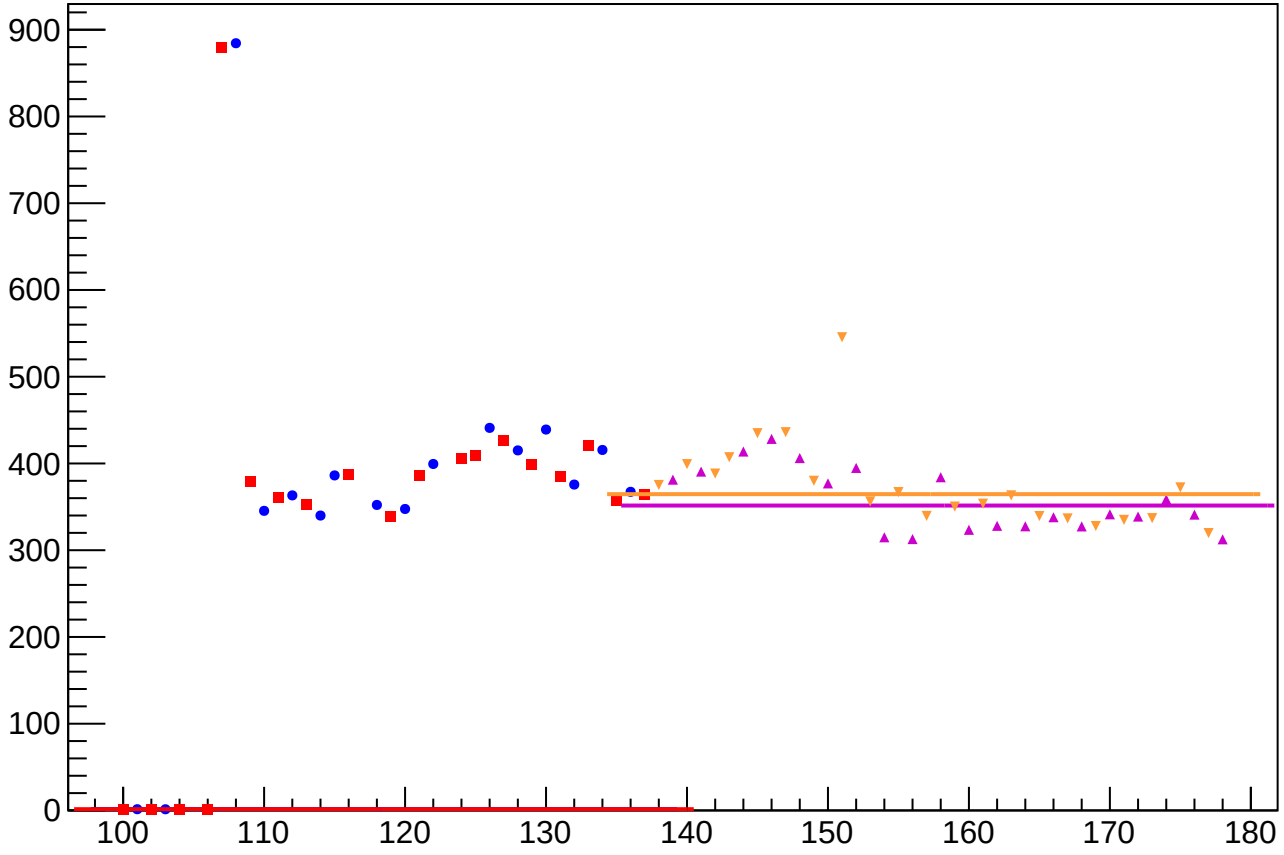
Left In: -104.448+/-88.053 χ^2/NDF:10.7/19

+ sign 1.486+/-1.660 χ^2/NDF: 27.0/36

All: 0.073+/-1.124 χ^2/NDF: 49.6/75

- sign -1.125+/-1.528 χ^2/NDF: 21.3/38

asym_cav4dQ_rms vs Slug



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 364.625+/-0.064 χ^2/NDF:412826.0/20

Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

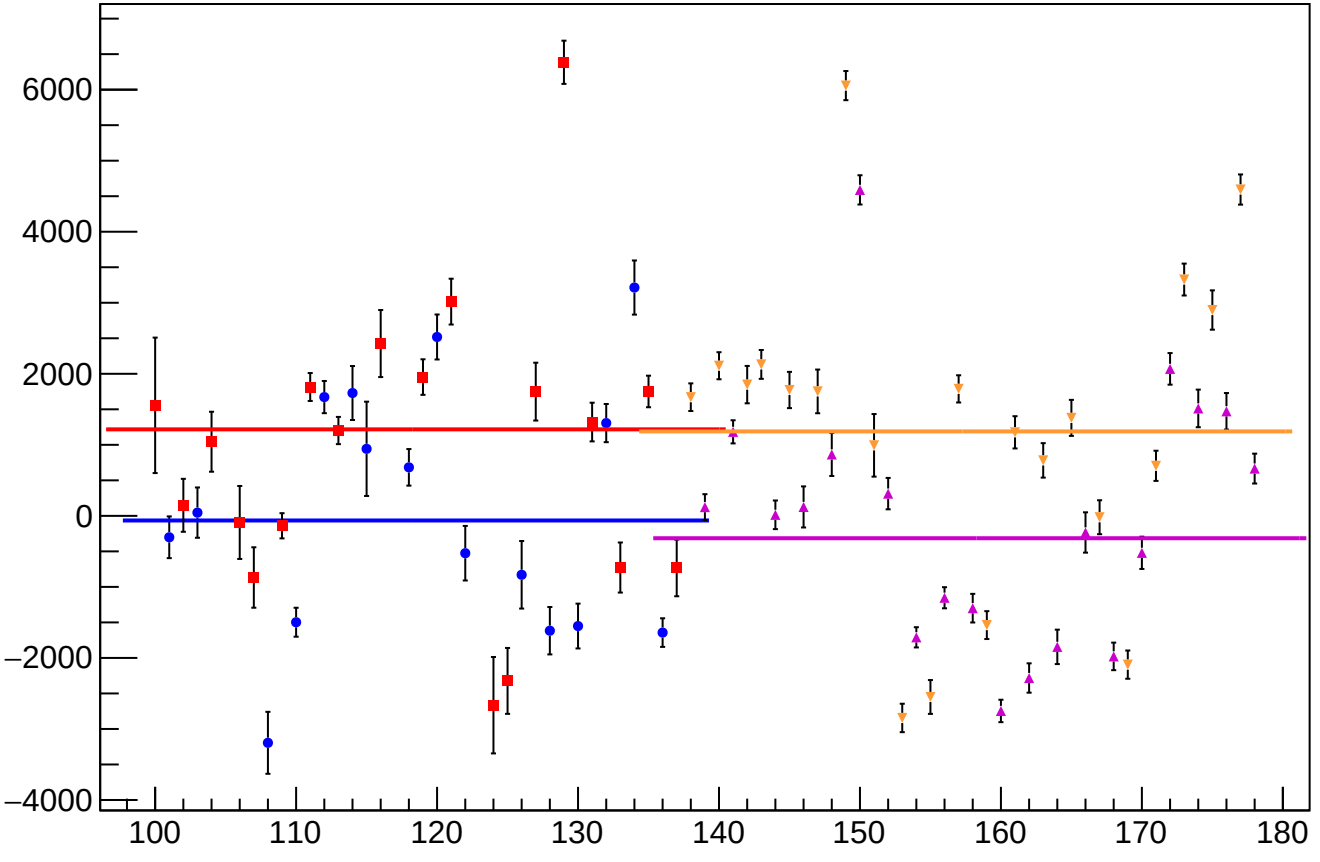
Left In: 351.493+/-0.062 χ^2/NDF:311121.4/19

+ sign 1.593+/-0.001 χ^2/NDF: 44605336.2/36

All: 1.582+/-0.001 χ^2/NDF: 87781193.4/75

- sign 1.572+/-0.001 χ^2/NDF: 43175686.2/38

asym_bcm0l02_mean vs Slug



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 1188.792+/-49.071 χ^2/NDF:2177.7/20

Right Out: 1217.846+/-69.022 χ^2/NDF: 594.6/18

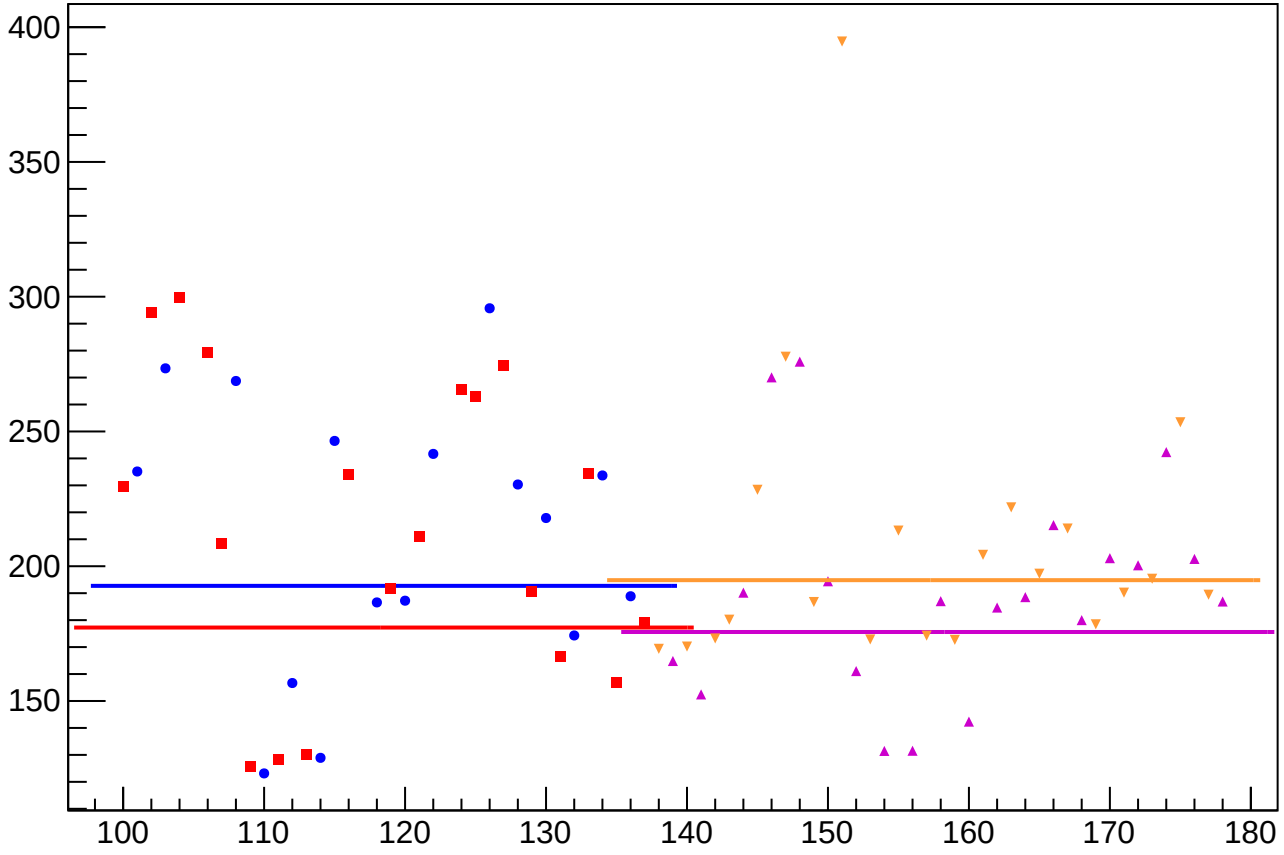
Left In: -314.999+/-45.180 χ^2/NDF:1512.3/19

\+ sign 812.214+/-41.046 χ^2/NDF: 2843.2/36

All: 451.085+/-27.806 χ^2/NDF: 5438.4/75

\- sign 144.780+/-37.802 χ^2/NDF: 2452.1/38

asym_bcm0l02_rms vs Slug



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 194.829+/-0.035 χ^2/NDF:917521.7/20

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

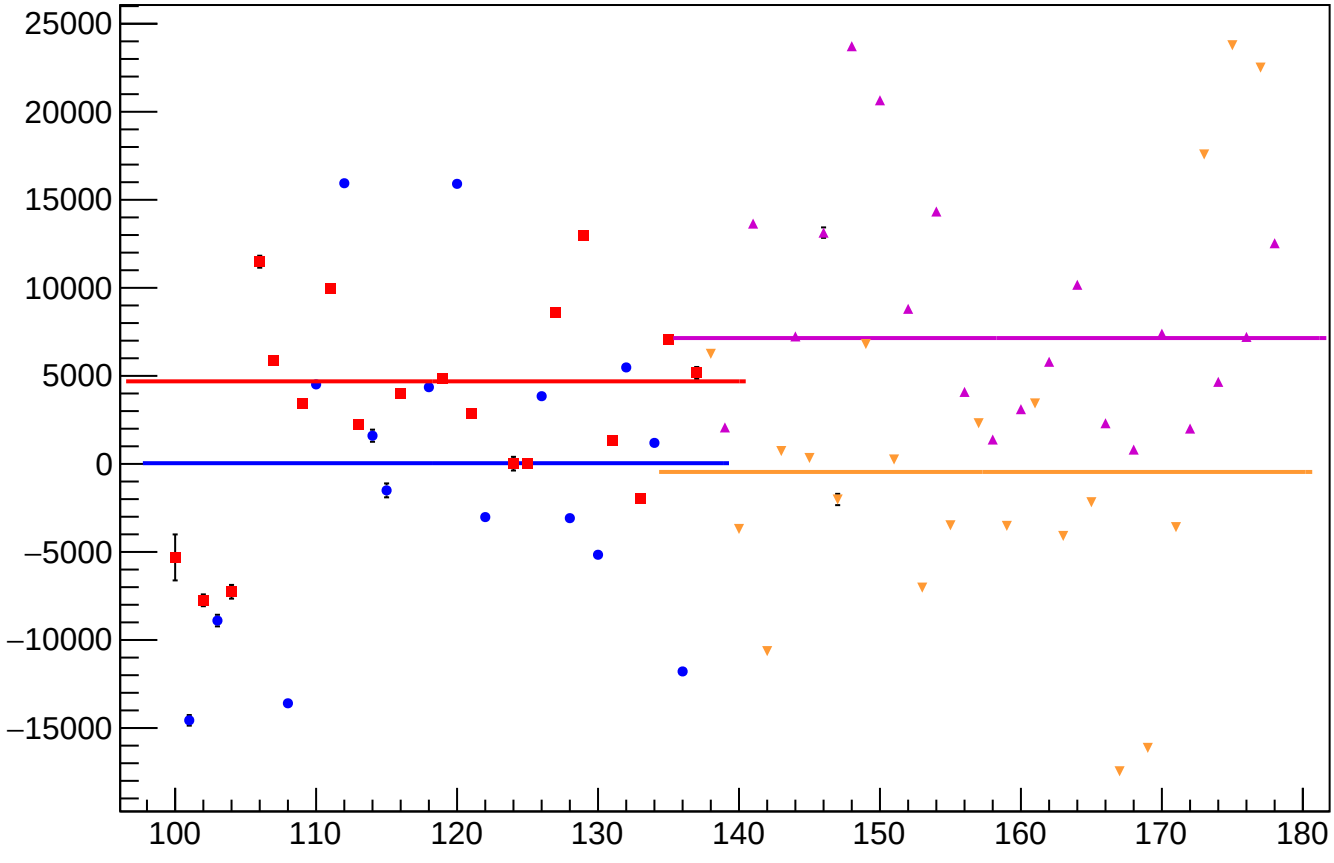
Left In: 175.601+/-0.032 χ^2/NDF:1237163.6/19

+ sign 194.195+/-0.029 χ^2/NDF: 1677778.3/36

All: 184.402+/-0.020 χ^2/NDF: 4352337.7/75

- sign 176.096+/-0.027 χ^2/NDF: 2464144.5/38

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -455.975+/-42.755 χ^2/NDF:54171.5/20

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

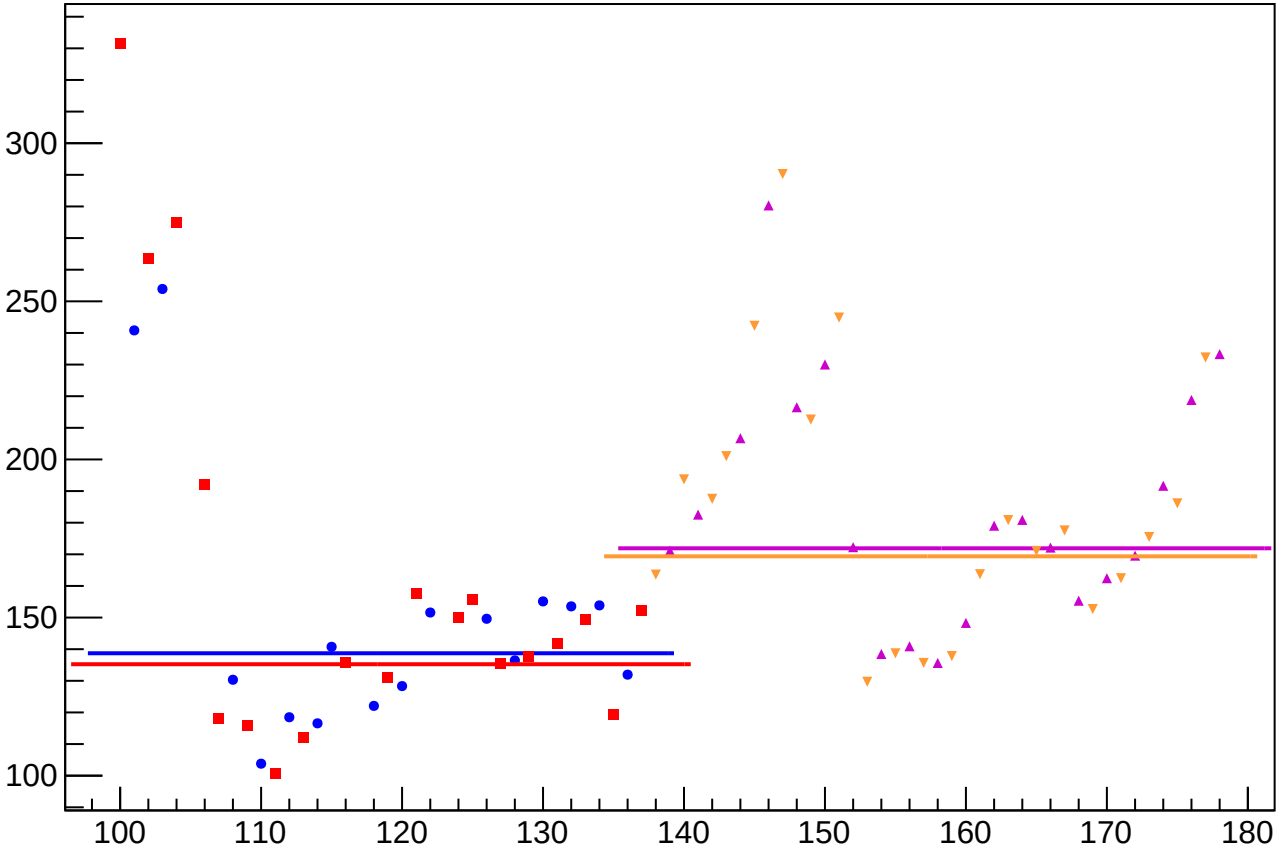
Left In: 7148.113+/-43.962 χ^2/NDF:18173.8/19

+ sign -265.372+/-33.568 χ^2/NDF: 85009.6/36

All: 2927.254+/-23.747 χ^2/NDF: 130387.7/75

- sign 6125.574+/-33.598 χ^2/NDF: 27270.2/38

asym_bpm0i02WS_rms vs Slug



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 169.364+/-0.030 χ^2/NDF:1299869.0/20

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

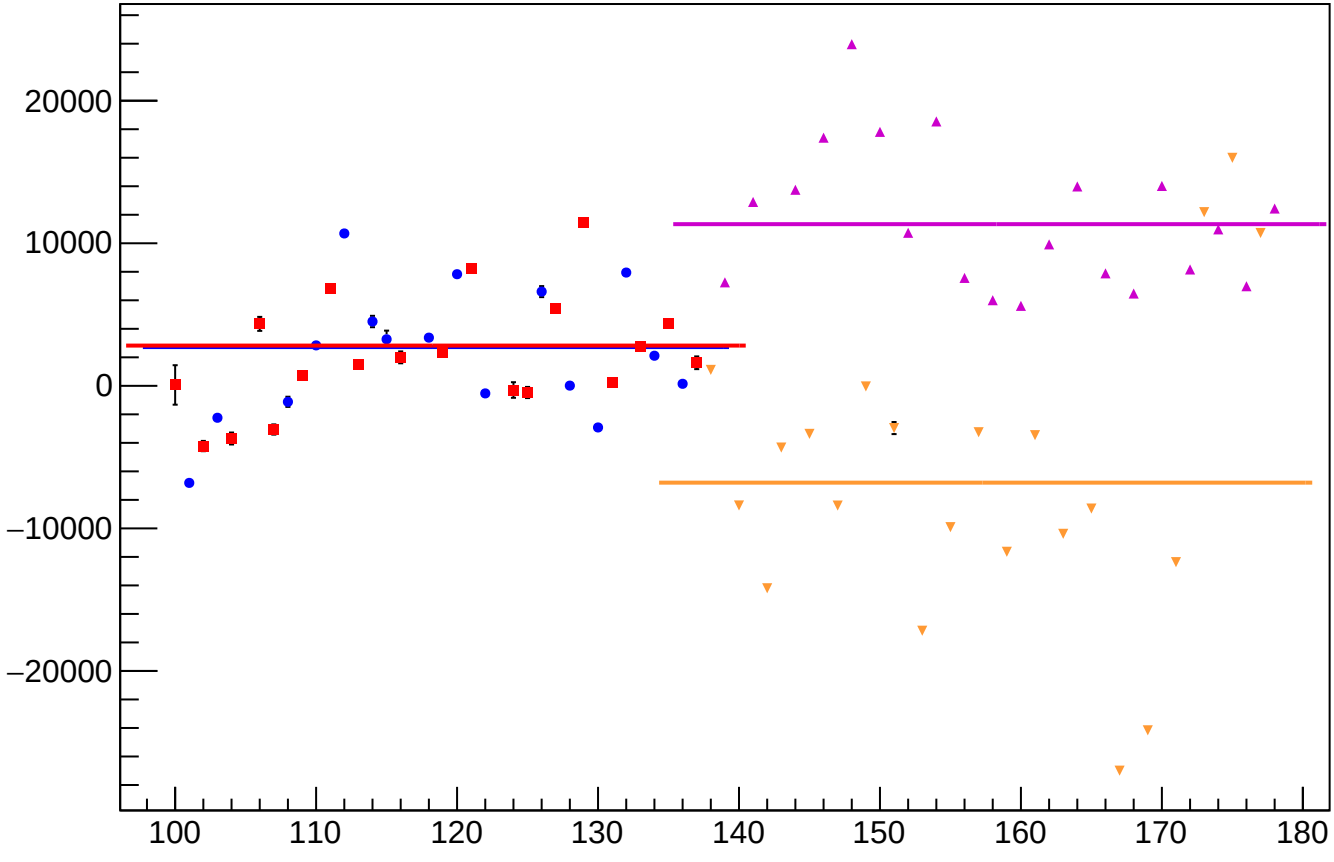
Left In: 171.902+/-0.031 χ^2/NDF:1064963.4/19

+ sign 157.606+/-0.024 χ^2/NDF: 2351967.8/36

All: 157.131+/-0.017 χ^2/NDF: 4886130.7/75

- sign 156.655+/-0.024 χ^2/NDF: 2533361.1/38

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -6790.881+/-49.614 χ^2/NDF:45703.1/20

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

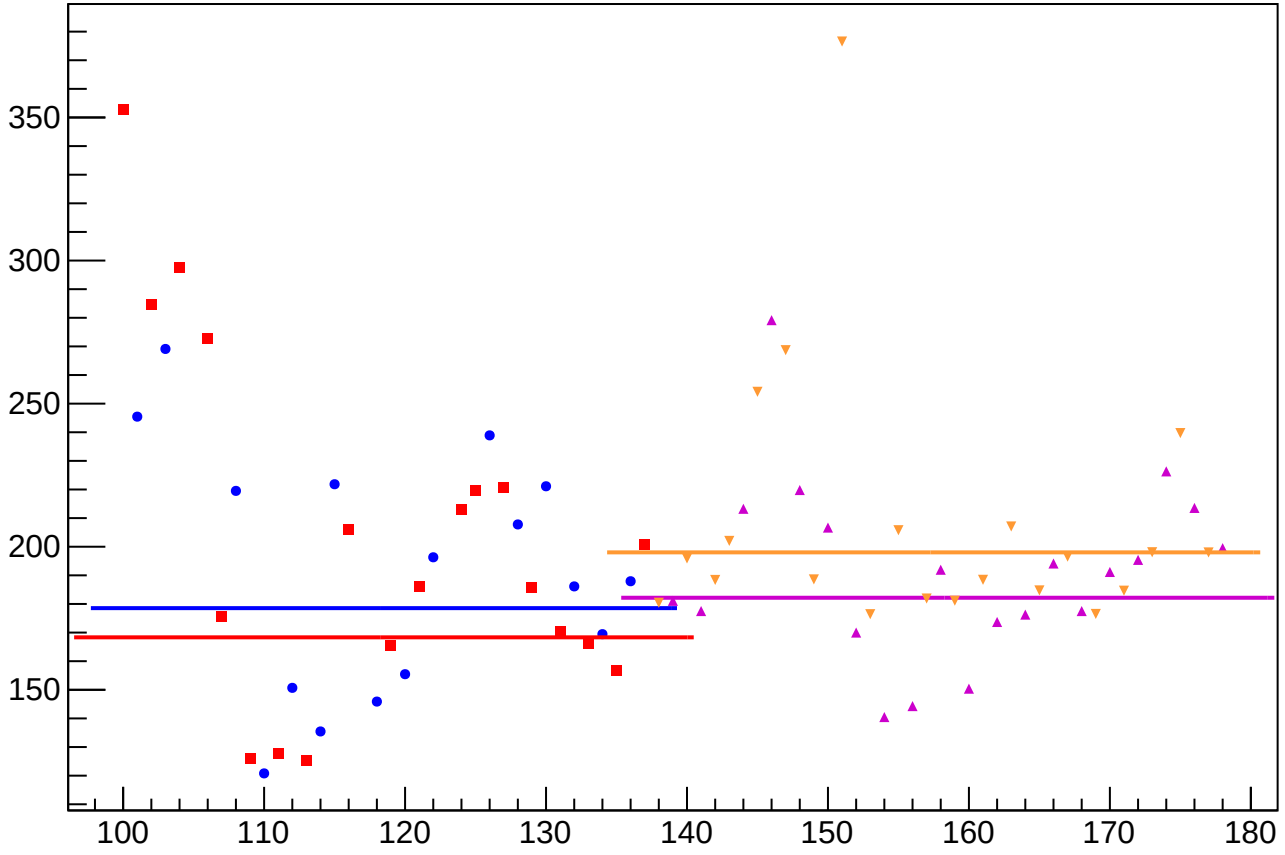
Left In: 11341.064+/-46.468 χ^2/NDF:10866.7/19

+ sign -3564.738+/-40.331 χ^2/NDF: 62297.5/36

All: 2836.580+/-27.569 χ^2/NDF: 134915.1/75

- sign 8451.522+/-37.772 χ^2/NDF: 25327.5/38

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 198.027+/-0.035 χ^2/NDF:716878.9/20

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

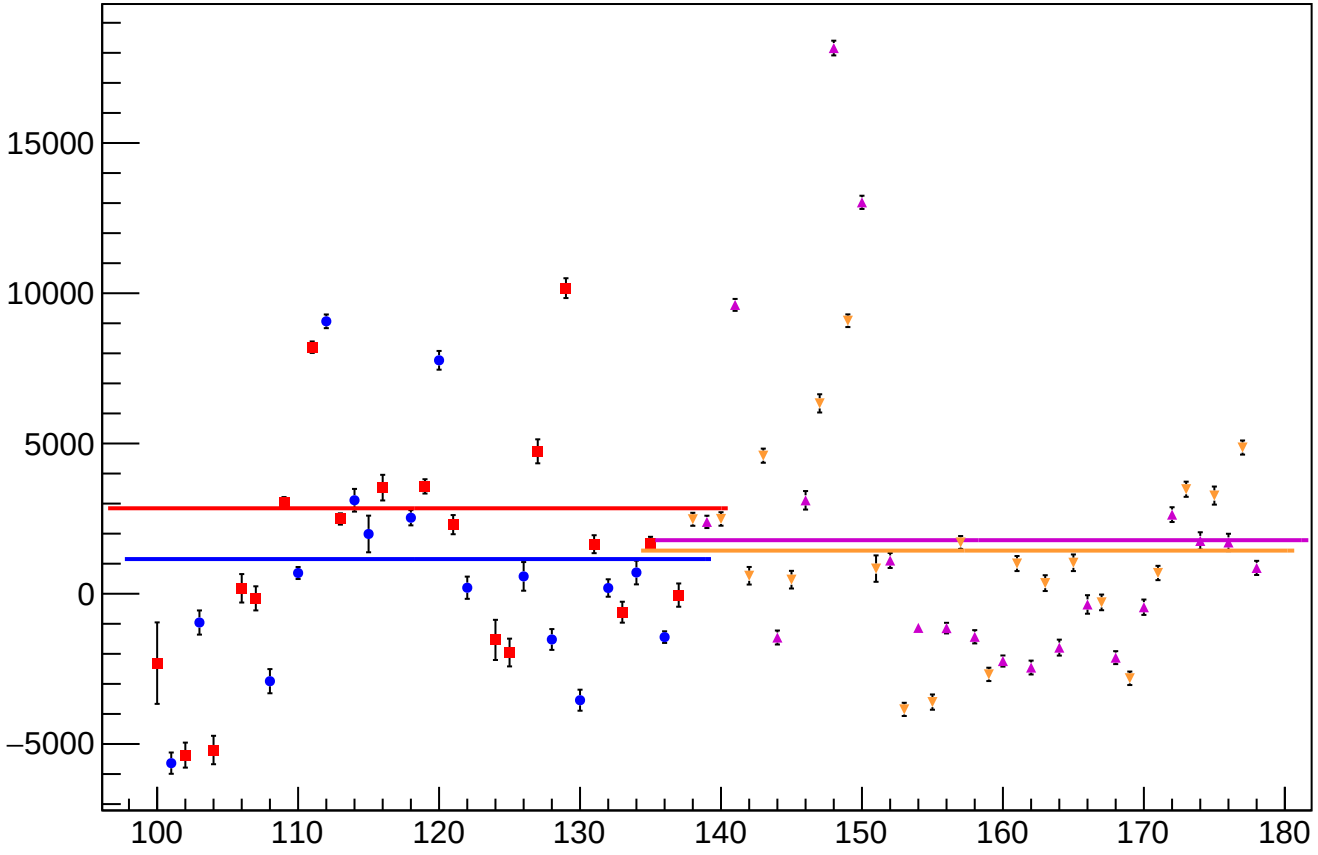
Left In: 182.169+/-0.033 χ^2/NDF:793023.9/19

+ sign 191.417+/-0.029 χ^2/NDF: 1496100.0/36

All: 183.991+/-0.019 χ^2/NDF: 3456069.1/75

- sign 177.476+/-0.027 χ^2/NDF: 1832653.6/38

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1435.579+/-54.270 χ^2/NDF:3887.2/20

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

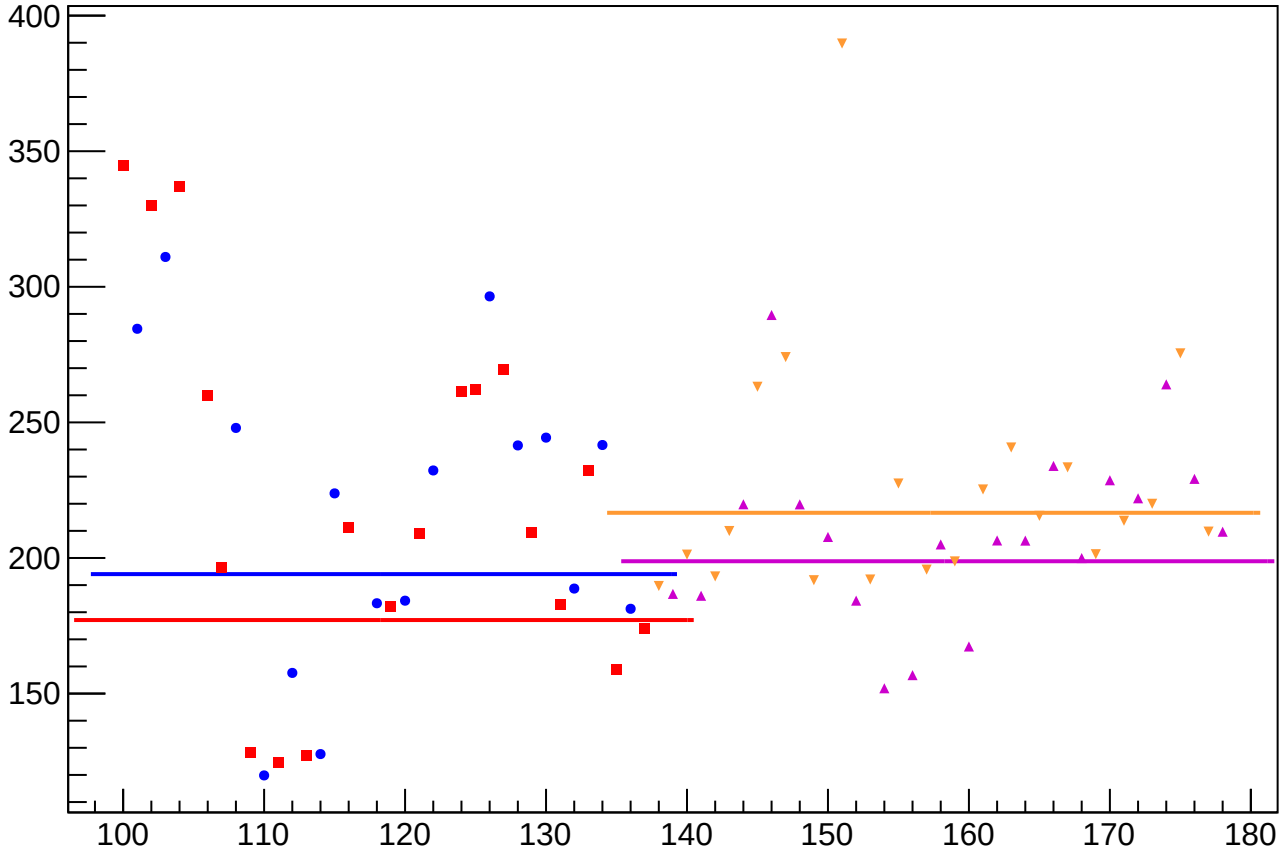
Left In: 1782.231+/-50.723 χ^2/NDF:11109.4/19

+ sign 1340.355+/-44.157 χ^2/NDF: 6551.6/36

All: 1778.160+/-30.005 χ^2/NDF: 20450.1/75

- sign 2153.706+/-40.897 χ^2/NDF: 13715.8/38

asym_bpm0i05WS_rms vs Slug



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 216.667+/-0.038 χ^2/NDF:690691.6/20

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

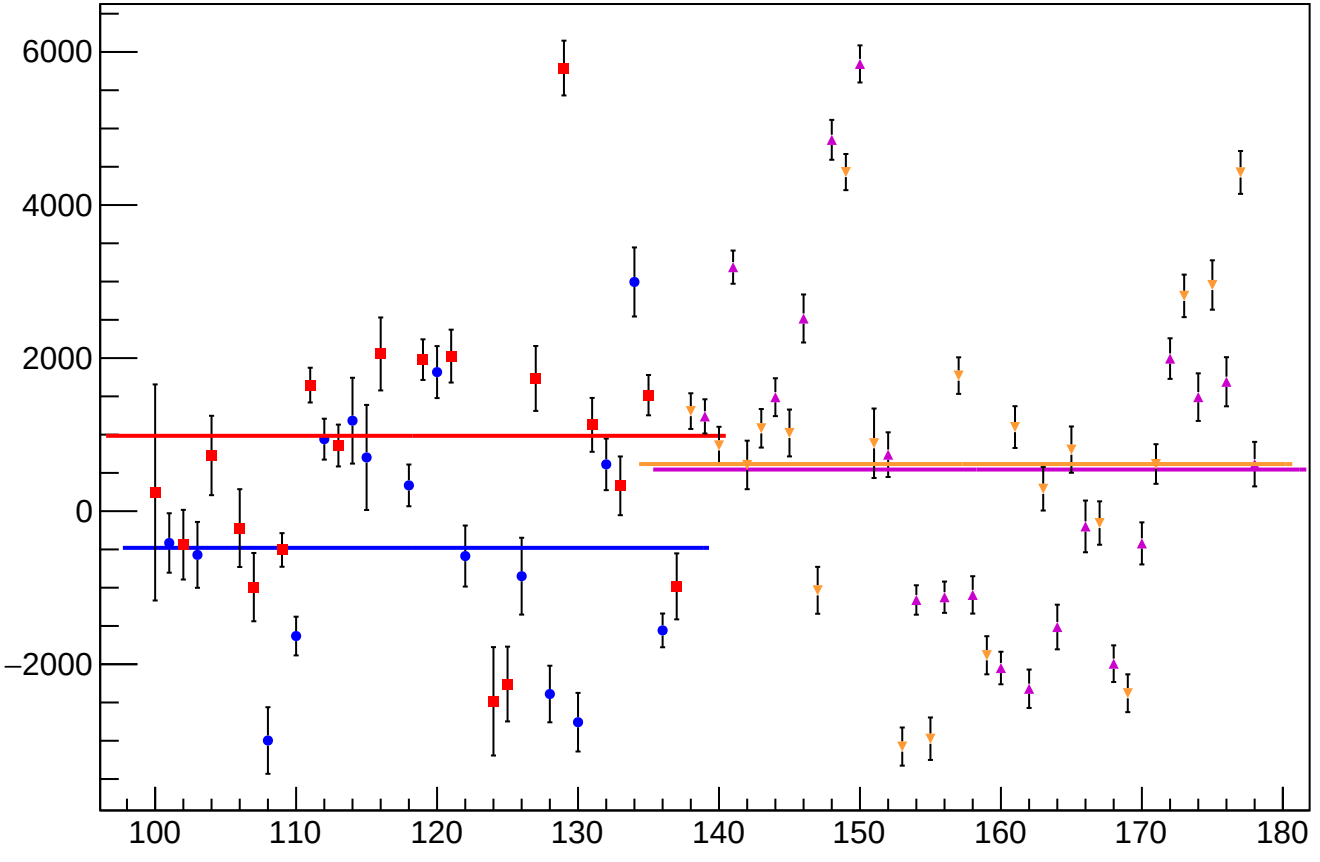
Left In: 198.799+/-0.036 χ^2/NDF:767631.5/19

+ sign 209.024+/-0.031 χ^2/NDF: 1773837.4/36

All: 199.436+/-0.021 χ^2/NDF: 4203875.1/75

- sign 191.212+/-0.029 χ^2/NDF: 2254872.4/38

asym_bpm0i07WS_mean vs Slug



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 615.556+/-59.376 χ^2/NDF:1275.6/20

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

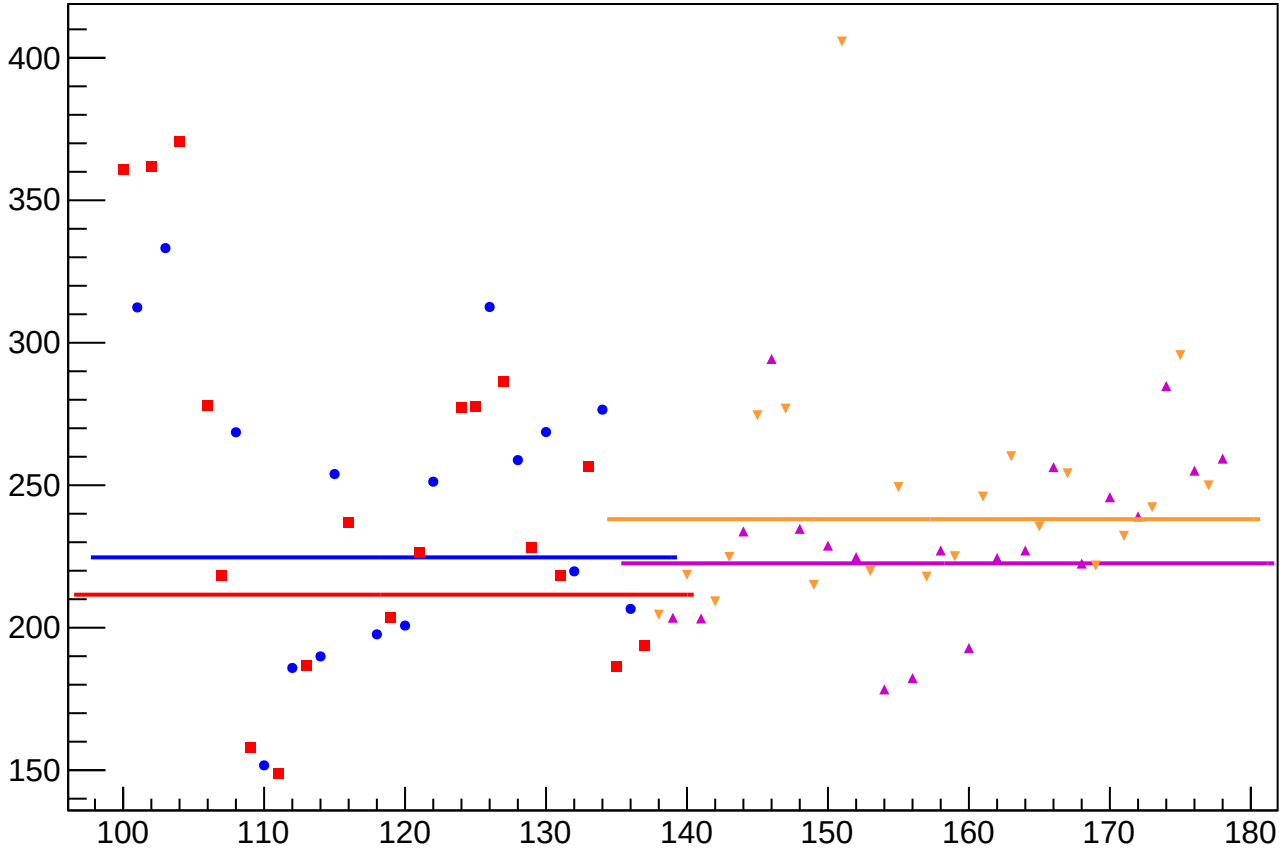
Left In: 543.714+/-56.411 χ^2/NDF:1665.1/19

+ sign 265.918+/-48.986 χ^2/NDF: 1689.6/36

All: 488.834+/-33.641 χ^2/NDF: 3811.9/75

- sign 687.808+/-46.281 χ^2/NDF: 2083.2/38

asym_bpm0i07WS_rms vs Slug



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 238.098+/-0.042 χ^2/NDF:560092.5/20

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

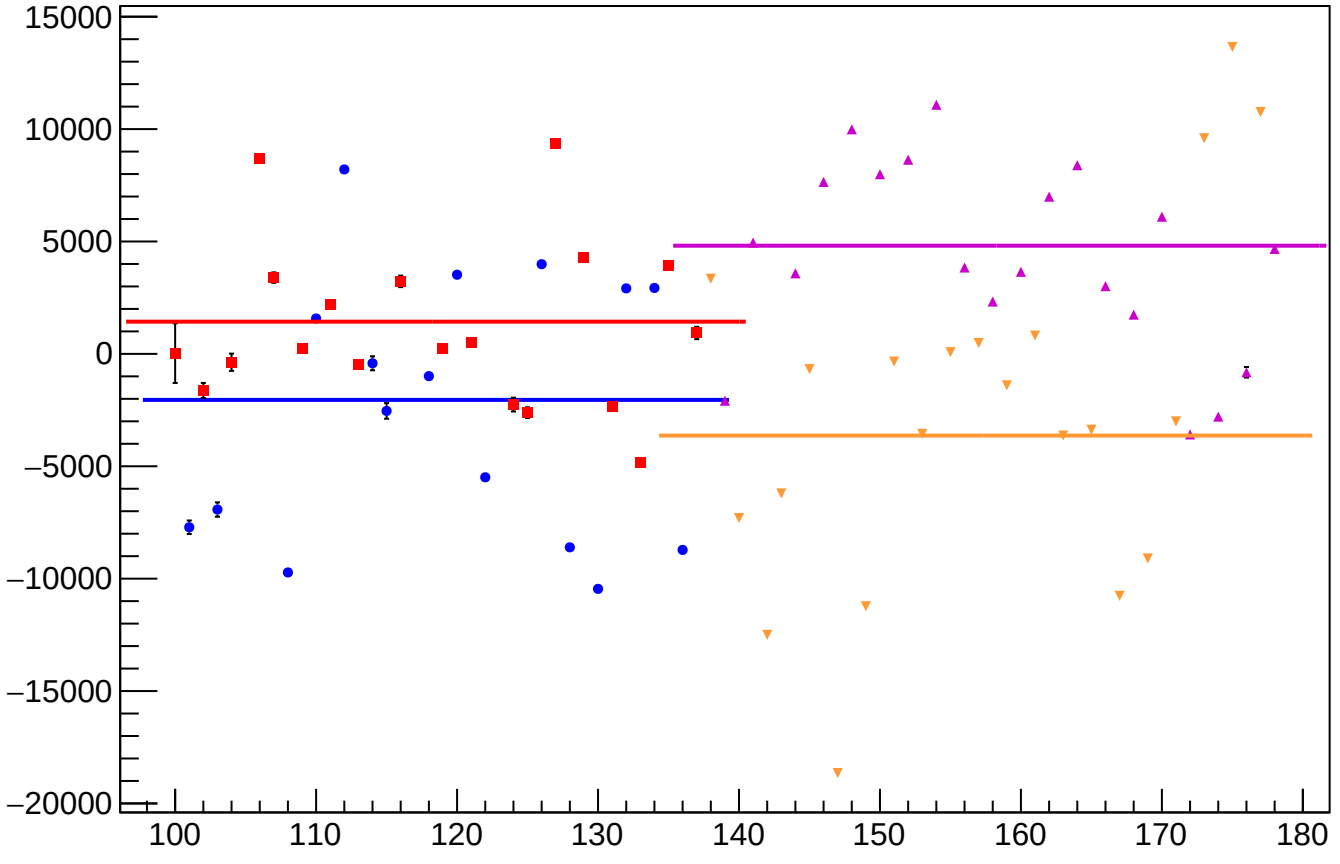
Left In: 222.594+/-0.040 χ^2/NDF:543257.1/19

+ sign 233.814+/-0.035 χ^2/NDF: 1245887.7/36

All: 225.986+/-0.024 χ^2/NDF: 2843561.4/75

- sign 218.998+/-0.033 χ^2/NDF: 1501015.9/38

asym_bpm1i02WS_mean vs Slug



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -3633.758+/-31.893 χ^2/NDF:51612.4/20

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

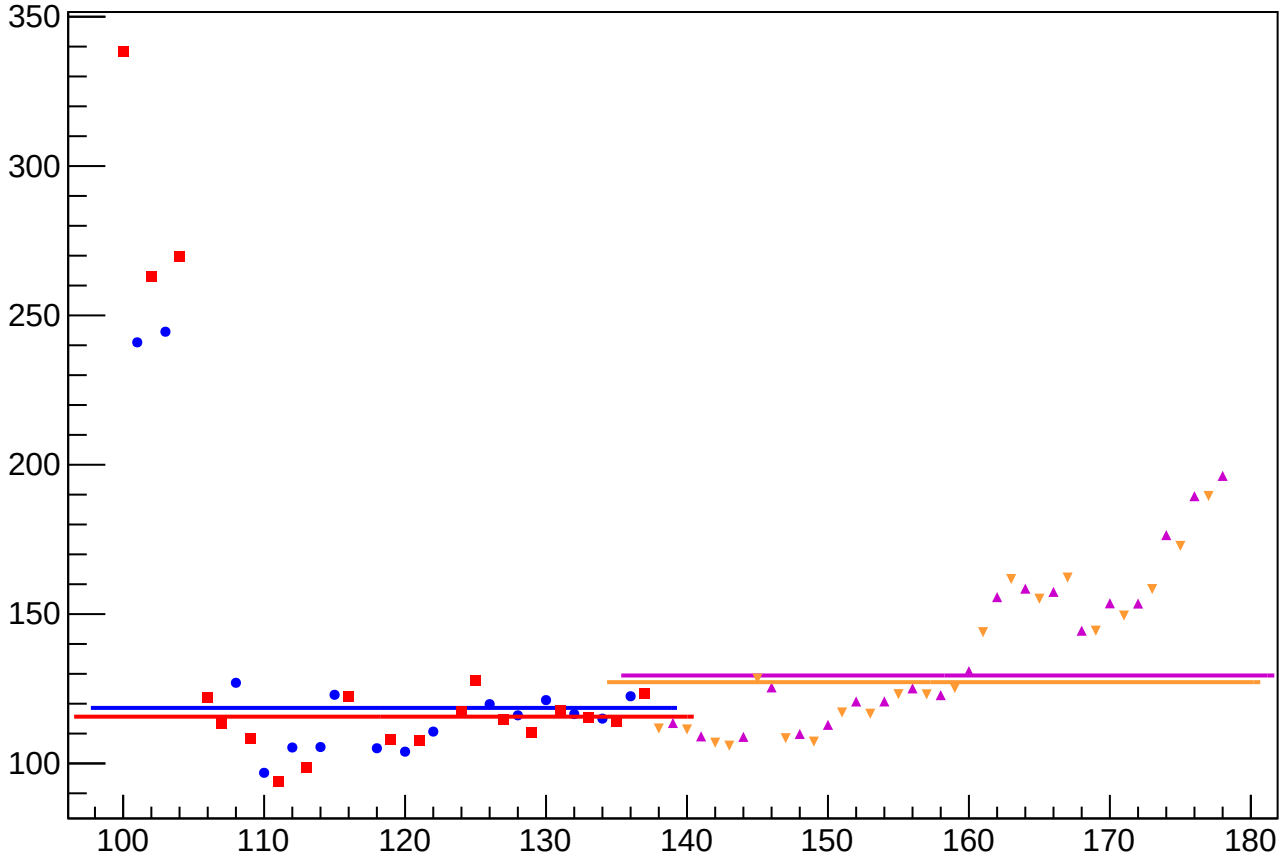
Left In: 4812.873+/-32.787 χ^2/NDF:15228.2/19

+ sign -3129.483+/-26.341 χ^2/NDF: 69108.1/36

All: 237.862+/-18.662 χ^2/NDF: 127250.1/75

- sign 3631.512+/-26.444 χ^2/NDF: 25330.3/38

asym_bpm1i02WS_rms vs Slug



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 127.212+/-0.023 χ^2/NDF:908470.2/20

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

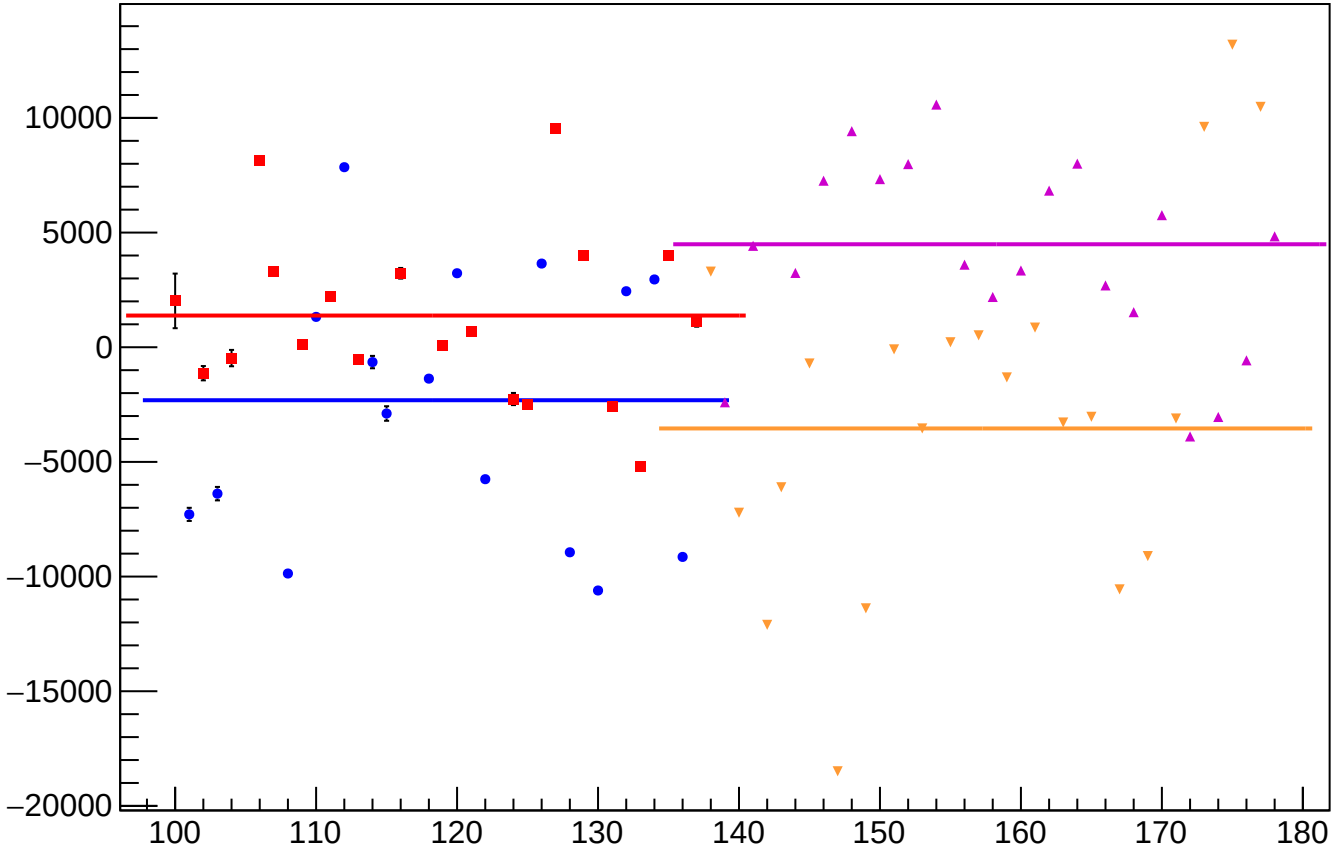
Left In: 129.447+/-0.023 χ^2/NDF:923521.6/19

+ sign 124.473+/-0.019 χ^2/NDF: 1689029.0/36

All: 124.551+/-0.013 χ^2/NDF: 3600409.3/75

- sign 124.628+/-0.019 χ^2/NDF: 1911345.9/38

asym_bpm2i01WS_mean vs Slug



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -3541.277+/-28.715 χ^2/NDF:60174.2/20

Right Out: 1382.178+/-39.342 χ^2/NDF: 8578.9/18

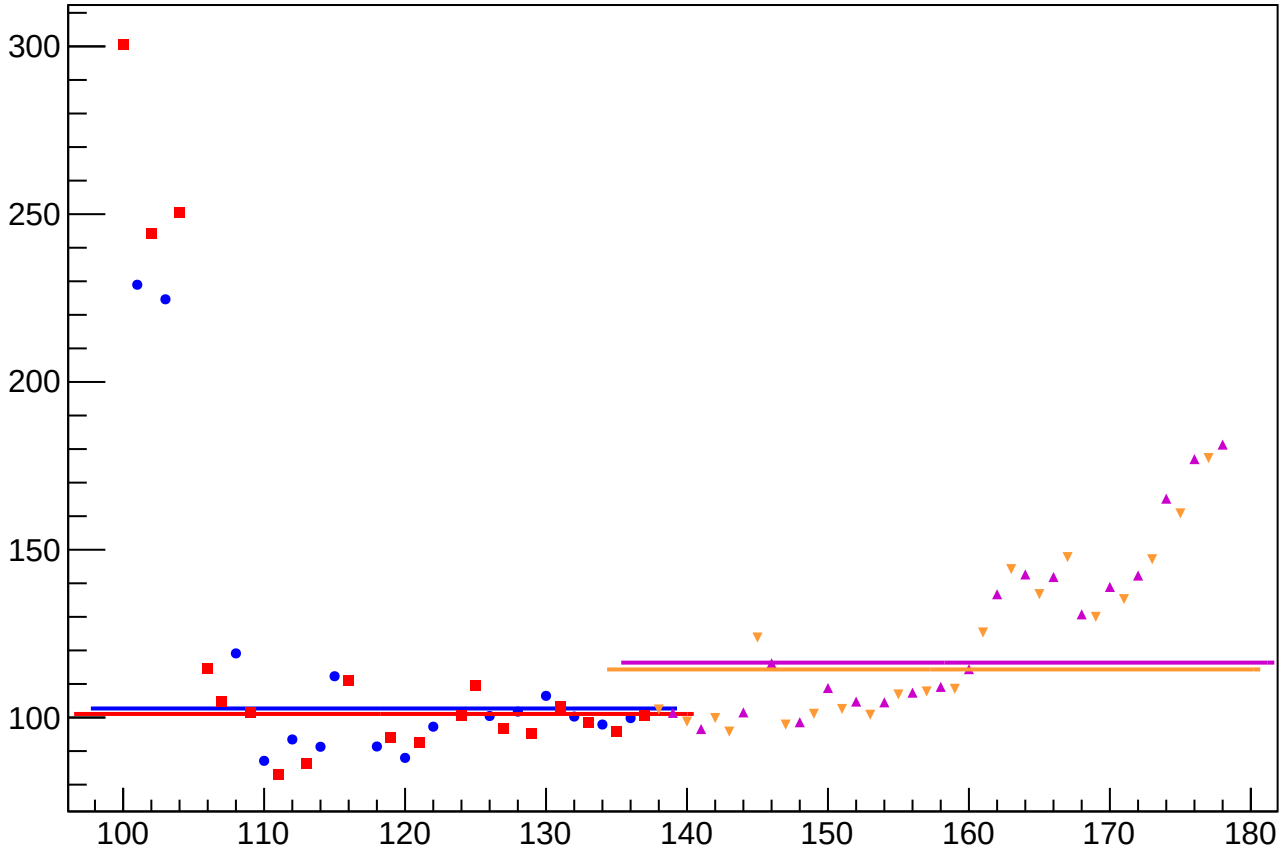
Left In: 4490.626+/-29.536 χ^2/NDF:17627.4/19

+ sign -3132.723+/-23.470 χ^2/NDF: 82463.4/36

All: 97.983+/-16.649 χ^2/NDF: 150802.5/75

- sign 3370.167+/-23.620 χ^2/NDF: 30198.8/38

asym_bpm2i01WS_rms vs Slug



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 114.327+/-0.020 χ^2/NDF:965591.0/20

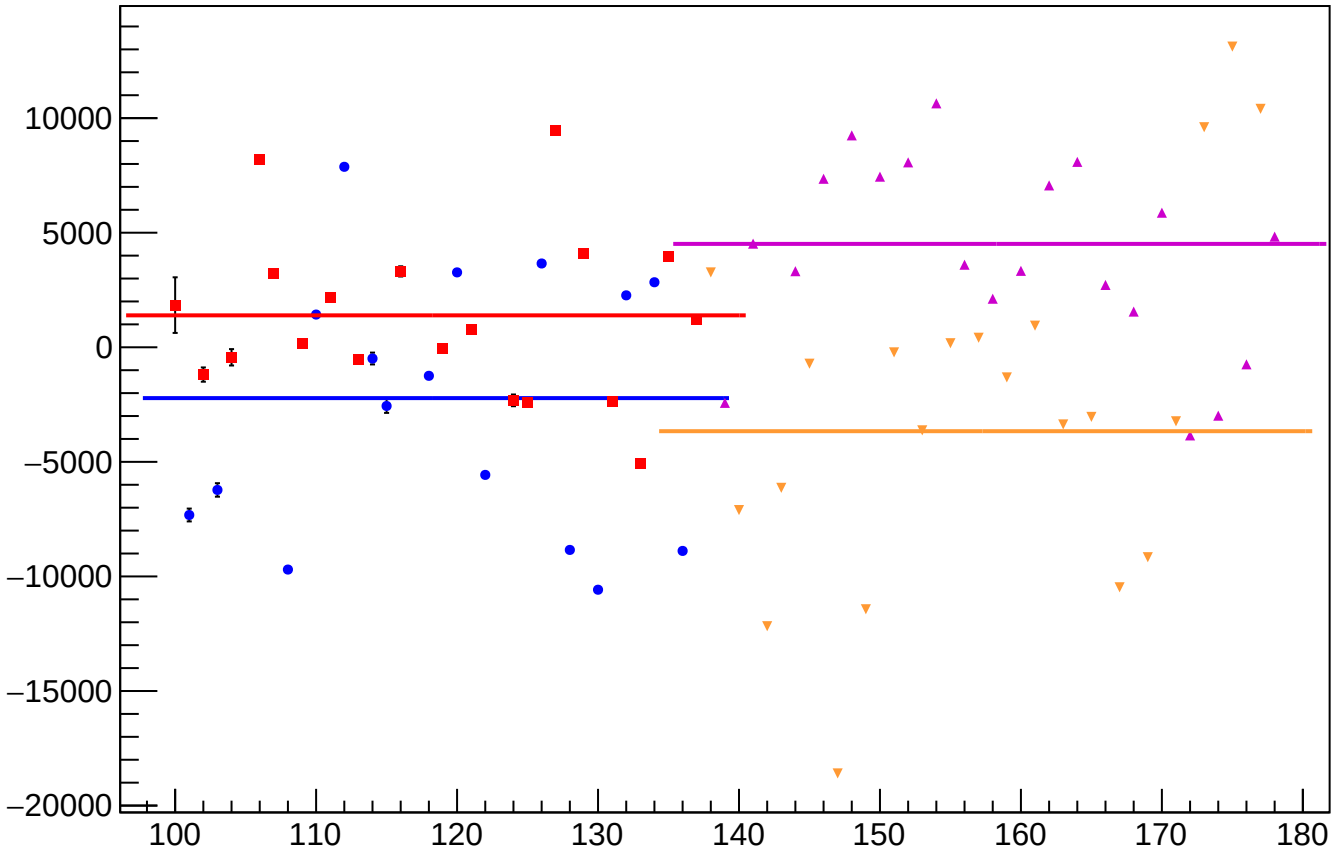
Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

Left In: 116.361+/-0.021 χ^2/NDF:1000186.3/19

+ sign 110.465+/-0.017 χ^2/NDF: 1900361.9/36

All: 110.655+/-0.012 χ^2/NDF: 4024655.8/75

- sign 110.847+/-0.017 χ^2/NDF: 2124031.3/38



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -3661.728+/-28.103 χ^2/NDF:64336.5/20

Right Out: 1393.557+/-37.580 χ^2/NDF: 9152.1/18

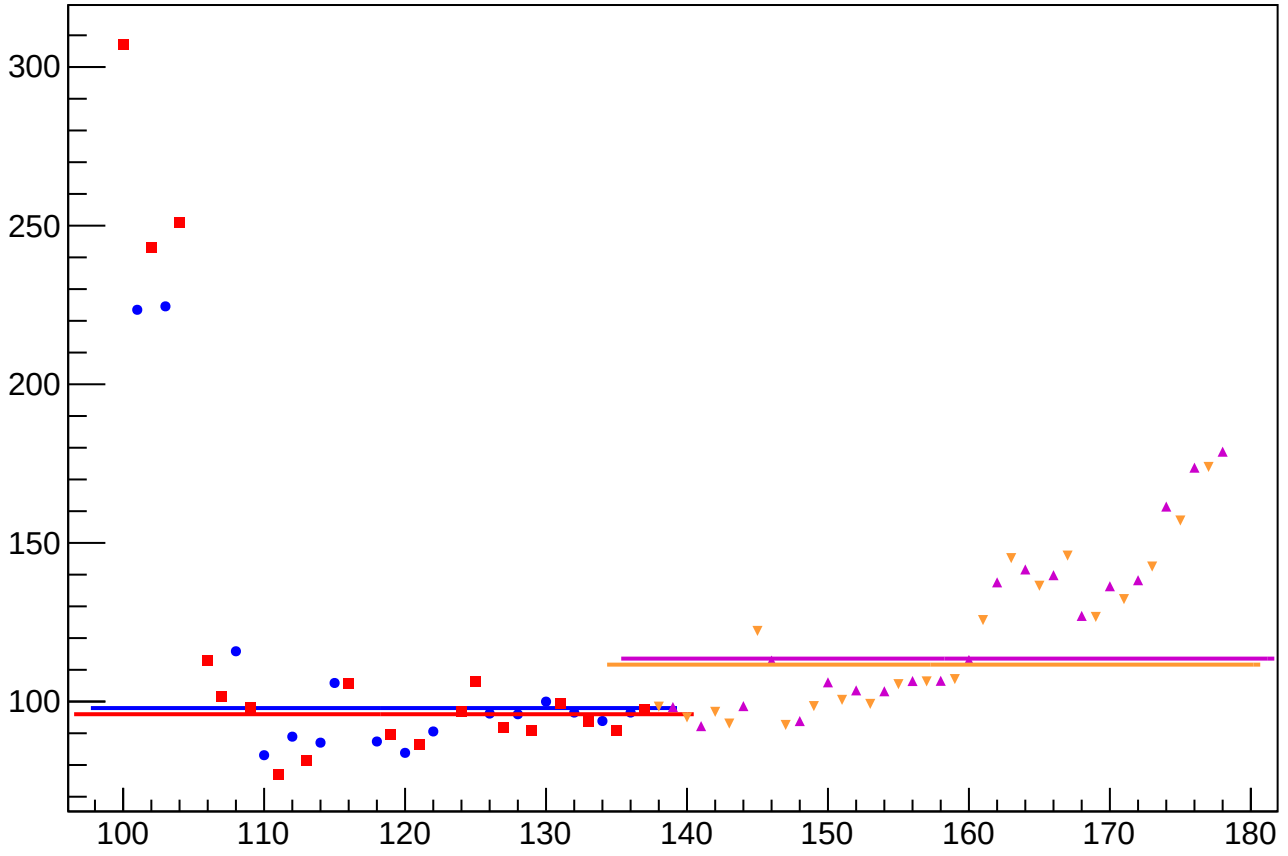
Left In: 4511.770+/-28.881 χ^2/NDF:18654.5/19

+ sign -3168.960+/-22.808 χ^2/NDF: 88278.0/36

All: 79.321+/-16.160 χ^2/NDF: 161144.2/75

- sign 3353.892+/-22.900 χ^2/NDF: 32135.0/38

asym_bpm2i02WS_rms vs Slug



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 111.635+/-0.020 χ^2/NDF:1038481.3/20

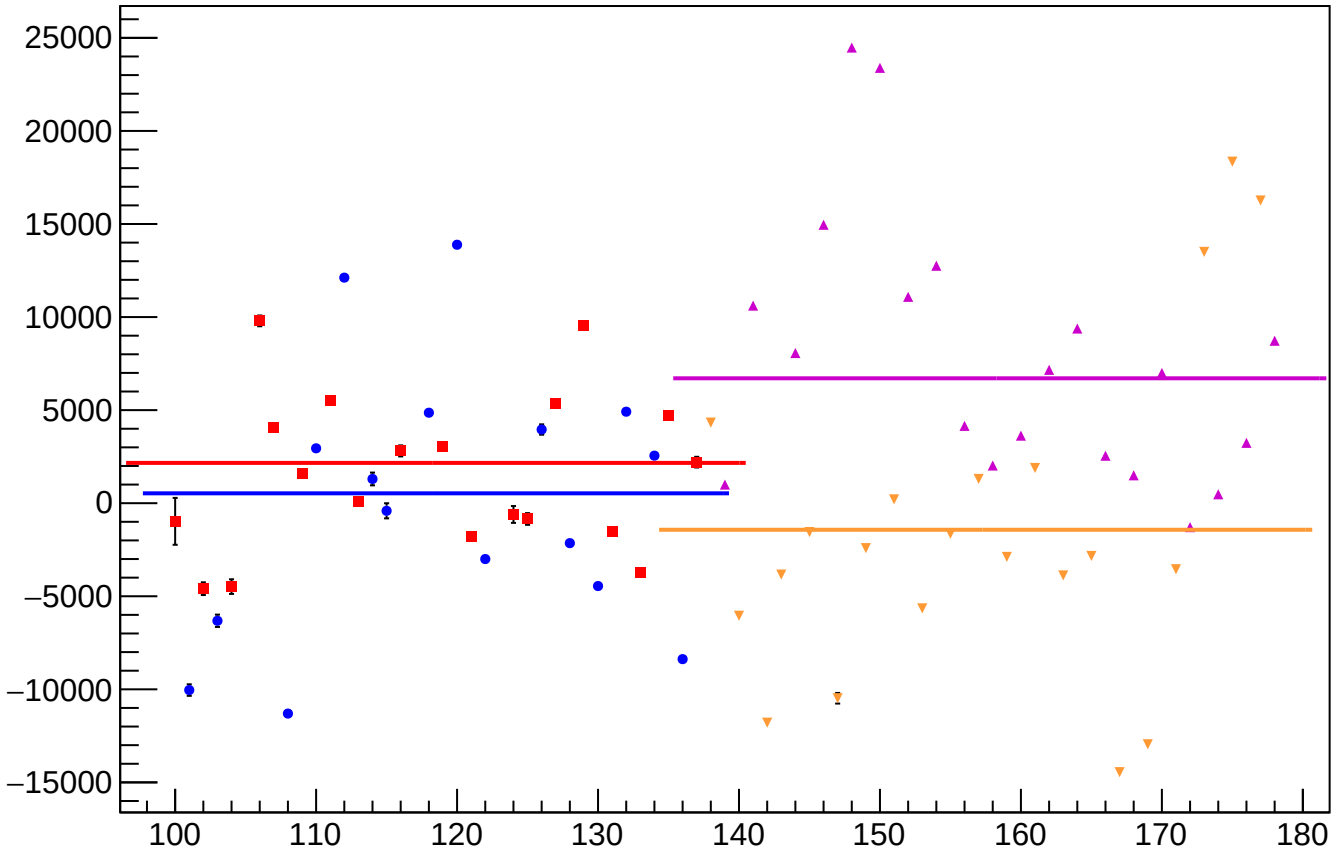
Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

Left In: 113.532+/-0.020 χ^2/NDF:1062735.6/19

+ sign 106.962+/-0.016 χ^2/NDF: 2068662.3/36

All: 106.993+/-0.011 χ^2/NDF: 4417218.7/75

- sign 107.024+/-0.016 χ^2/NDF: 2348548.9/38



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -1427.576+/-39.426 χ^2/NDF:38062.0/20

Right Out: 2164.994+/-53.458 χ^2/NDF: 4967.1/18

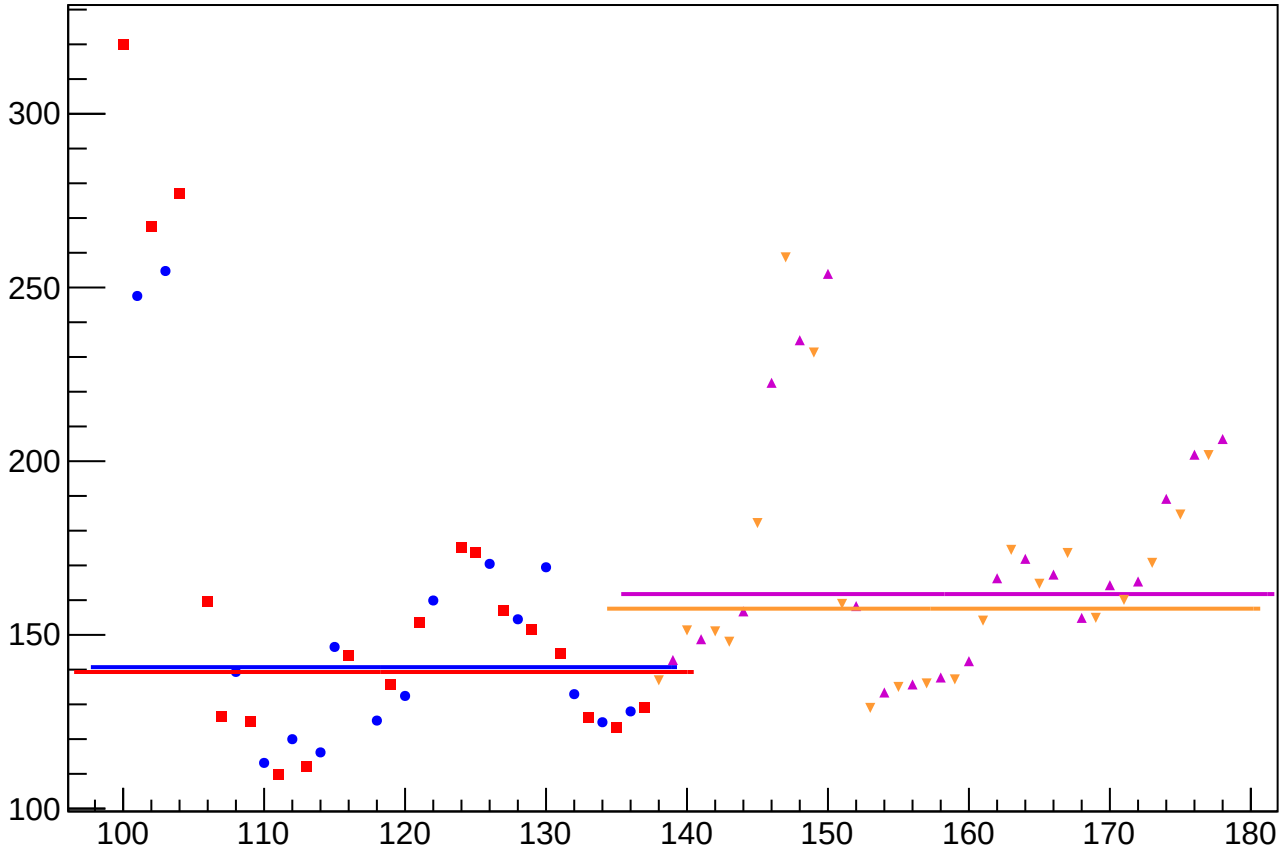
Left In: 6709.871+/-40.997 χ^2/NDF:20251.5/19

+ sign -760.596+/-32.015 χ^2/NDF: 57489.8/36

All: 2086.700+/-22.818 χ^2/NDF: 103337.1/75

- sign 5026.756+/-32.532 χ^2/NDF: 29769.9/38

asym_bpm0i01WS_rms vs Slug



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 157.550+/-0.028 χ^2/NDF:854227.6/20

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

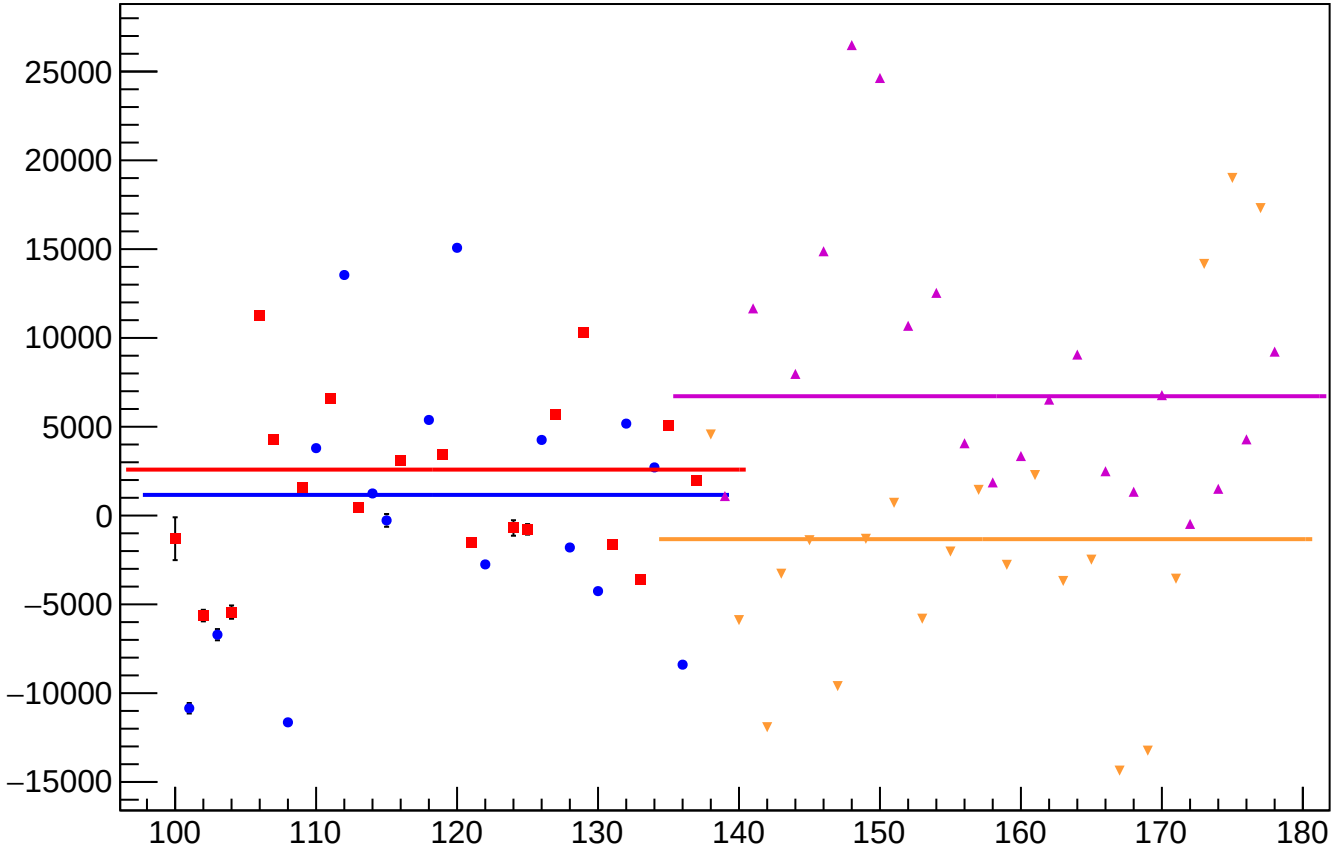
Left In: 161.750+/-0.029 χ^2/NDF:961000.6/19

\+ sign 151.816+/-0.023 χ^2/NDF: 1654052.8/36

All: 152.616+/-0.016 χ^2/NDF: 3641668.3/75

\- sign 153.442+/-0.023 χ^2/NDF: 1985075.6/38

asym_bpm0i01aWS_mean vs Slug



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -1329.101+/-35.100 χ^2/NDF:47607.3/20

Right Out: 2586.755+/-44.256 χ^2/NDF: 8099.7/18

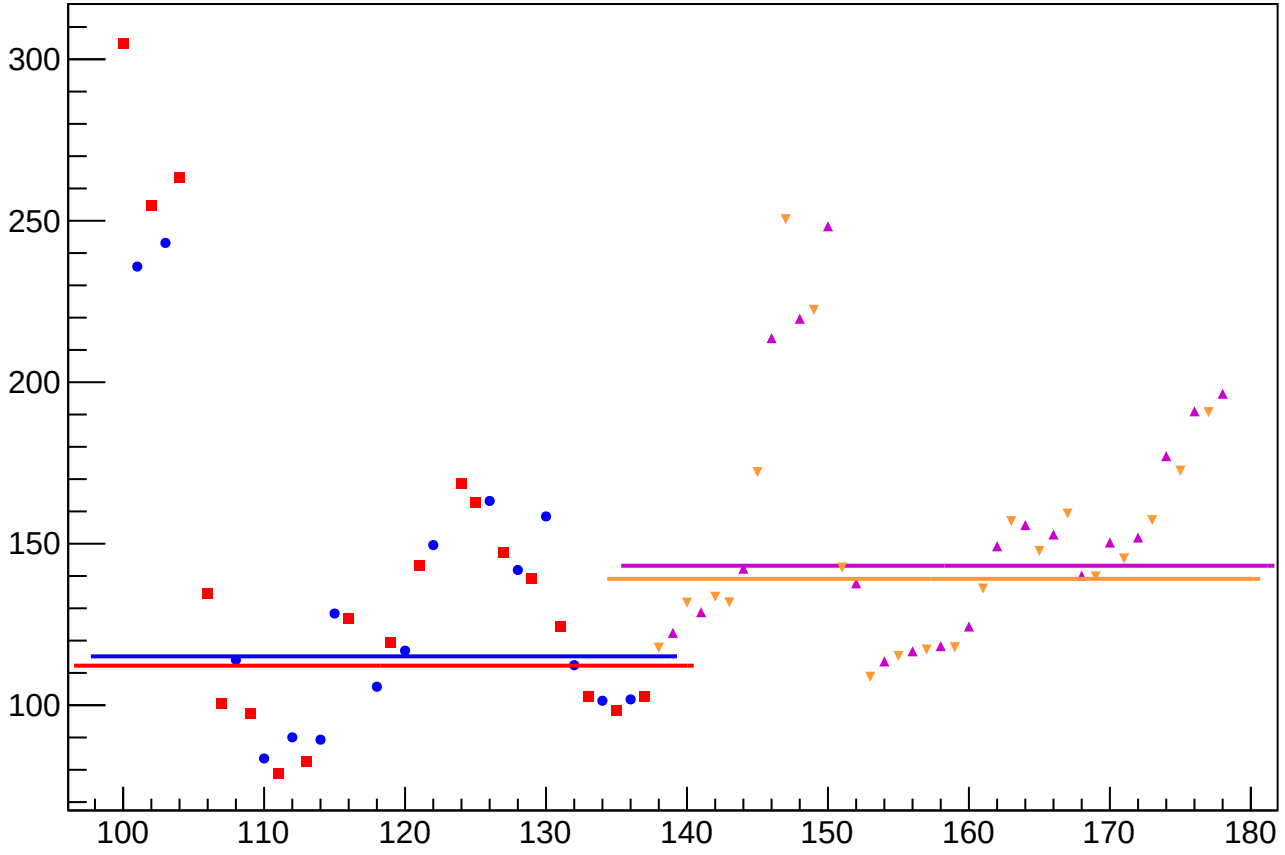
Left In: 6718.740+/-36.641 χ^2/NDF:25328.0/19

+ sign -410.311+/-27.888 χ^2/NDF: 80220.2/36

All: 2281.452+/-19.838 χ^2/NDF: 137676.6/75

- sign 5038.277+/-28.224 χ^2/NDF: 38599.5/38

asym_bpm0i01aWS_rms vs Slug



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 139.123+/-0.025 χ^2/NDF:1240793.5/20

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

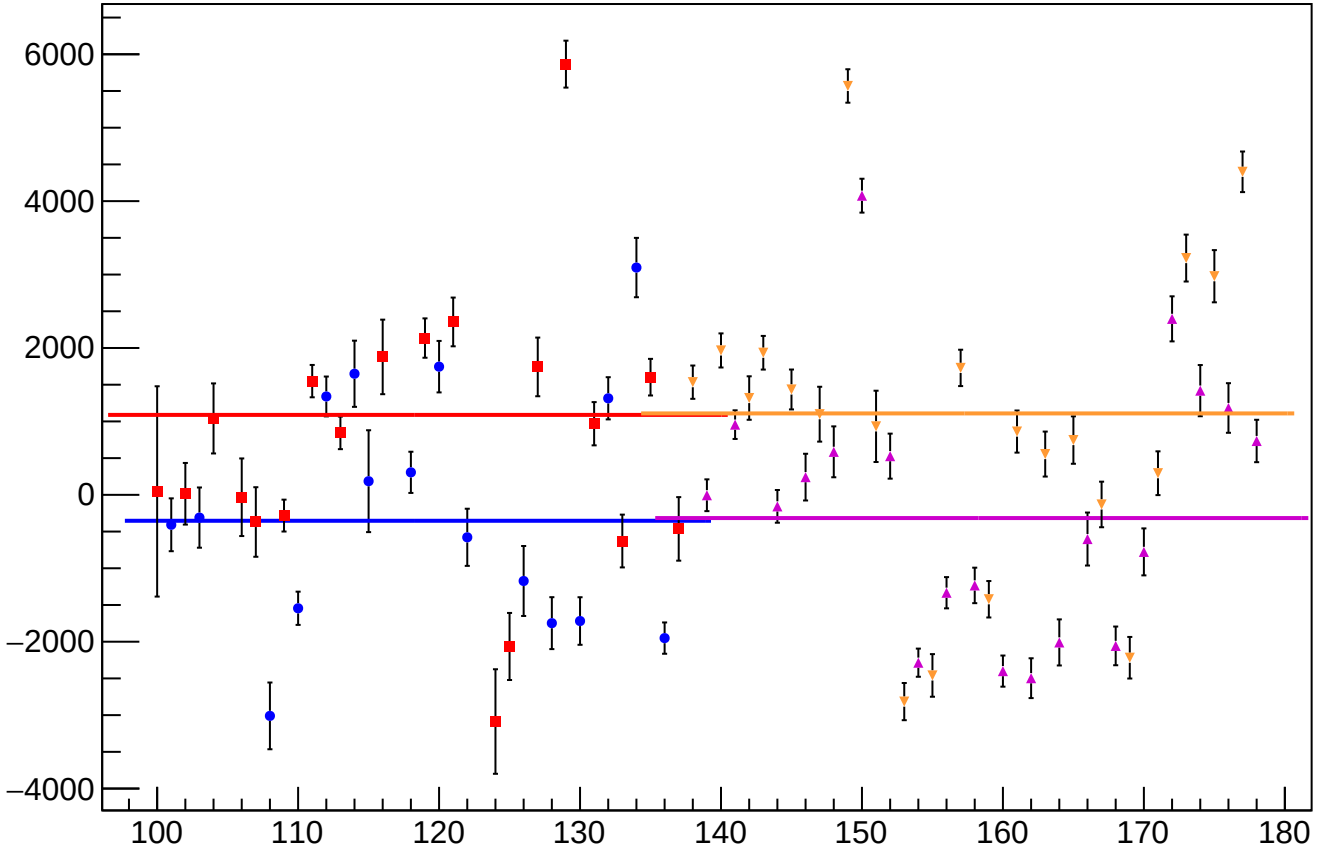
Left In: 143.185+/-0.026 χ^2/NDF:1373326.8/19

+ sign 130.276+/-0.020 χ^2/NDF: 2698462.5/36

All: 130.436+/-0.014 χ^2/NDF: 5980180.9/75

- sign 130.600+/-0.020 χ^2/NDF: 3281584.4/38

asym_bpm0l01WS_mean vs Slug



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 1108.903+/-60.858 χ^2/NDF:1297.0/20

Right Out: 1088.752+/-76.444 χ^2/NDF: 447.2/18

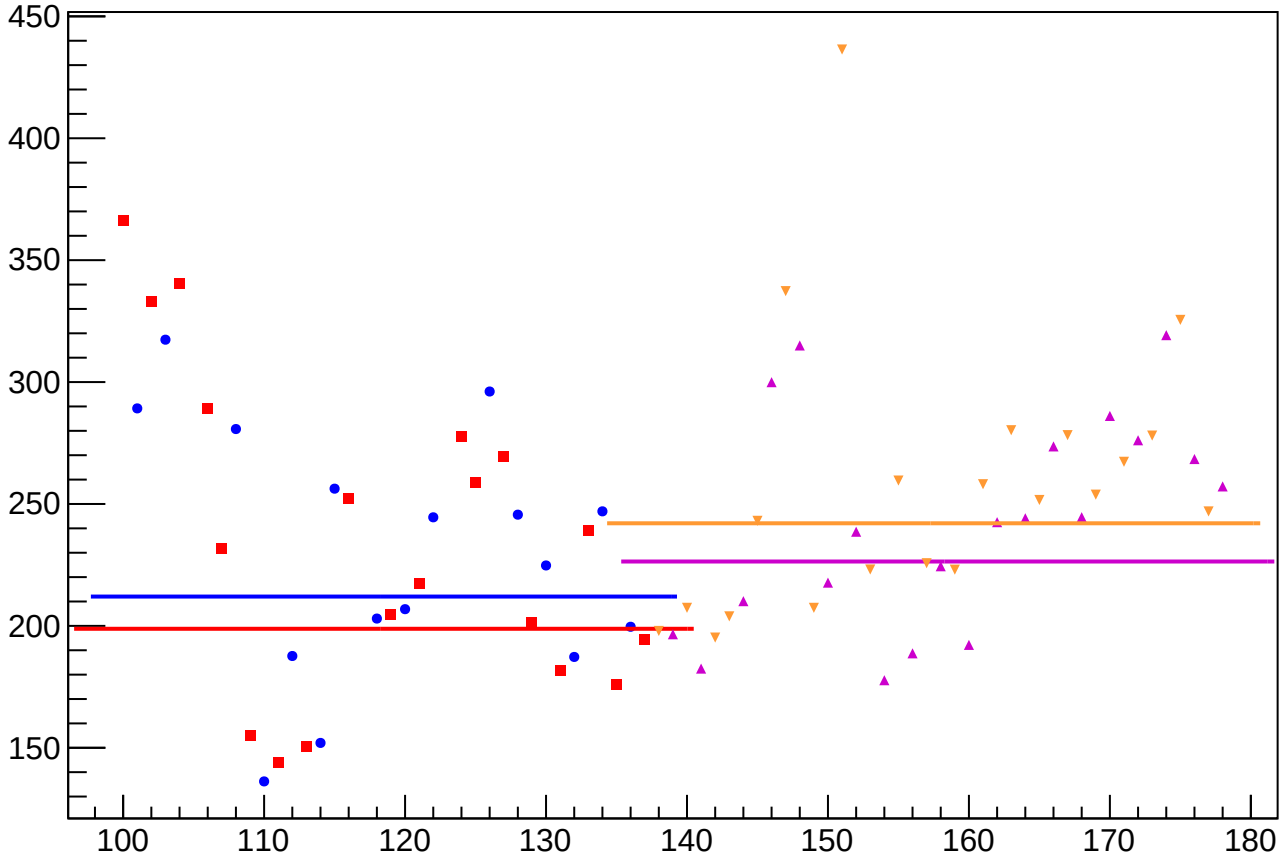
Left In: -316.167+/-57.804 χ^2/NDF:940.3/19

+ sign 590.723+/-48.898 χ^2/NDF: 1863.4/36

All: 381.196+/-33.546 χ^2/NDF: 3500.4/75

- sign 194.912+/-46.106 χ^2/NDF: 1602.3/38

asym_bpm0l01WS_rms vs Slug



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 242.080+/-0.043 χ^2/NDF:981895.3/20

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

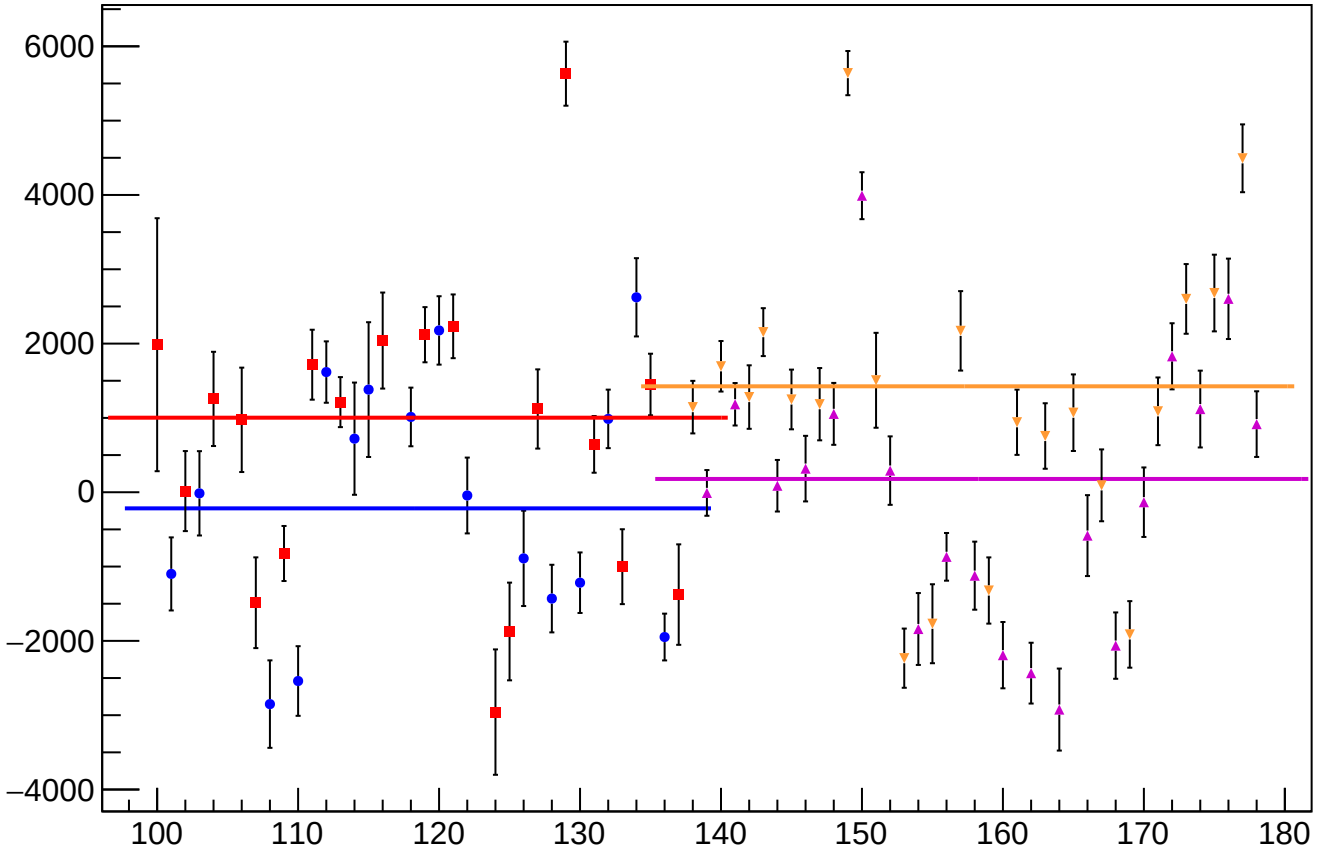
Left In: 226.403+/-0.041 χ^2/NDF:1012468.4/19

+ sign 231.429+/-0.035 χ^2/NDF: 1845109.0/36

All: 223.455+/-0.024 χ^2/NDF: 4098777.3/75

- sign 216.365+/-0.033 χ^2/NDF: 2153192.0/38

asym_bpm0l02WS_mean vs Slug



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1425.259+/-92.999 χ^2/NDF:493.4/20

Right Out: 1003.049+/-113.111 χ^2/NDF: 254.3/18

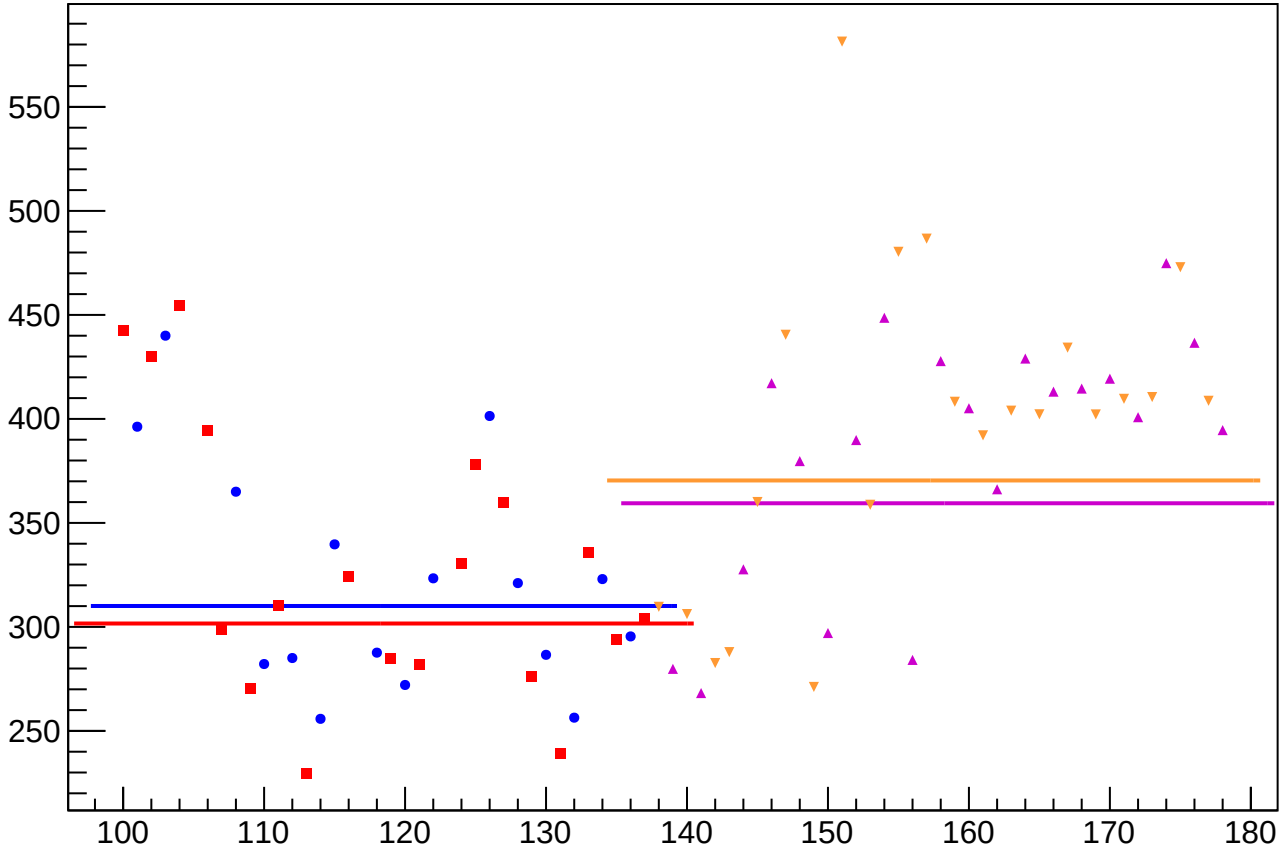
Left In: 178.721+/-91.247 χ^2/NDF:367.5/19

+ sign 795.304+/-73.014 χ^2/NDF: 805.2/36

All: 645.457+/-50.909 χ^2/NDF: 1467.4/75

- sign 503.688+/-71.019 χ^2/NDF: 654.0/38

asym_bpm0l02WS_rms vs Slug



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 370.409+/-0.066 χ^2/NDF:1217993.3/20

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

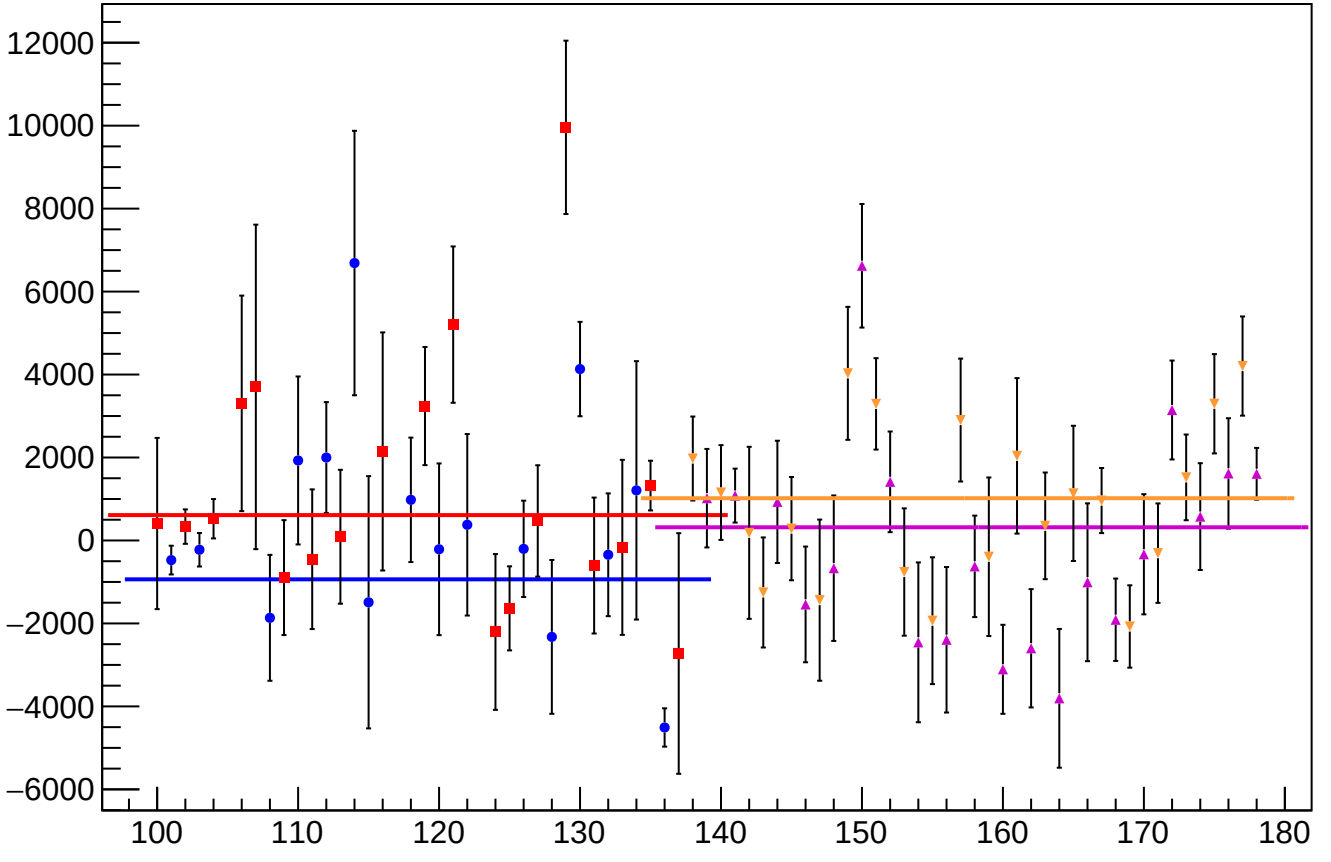
Left In: 359.446+/-0.065 χ^2/NDF:1009584.1/19

+ sign 347.260+/-0.052 χ^2/NDF: 1864331.4/36

All: 341.811+/-0.036 χ^2/NDF: 3731942.7/75

- sign 336.656+/-0.050 χ^2/NDF: 1845936.0/38

asym_bpm0l03WS_mean vs Slug



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 1018.510+/-275.405 χ^2/NDF:43.4/20

Right Out: 611.668+/-233.144 χ^2/NDF: 44.1/18

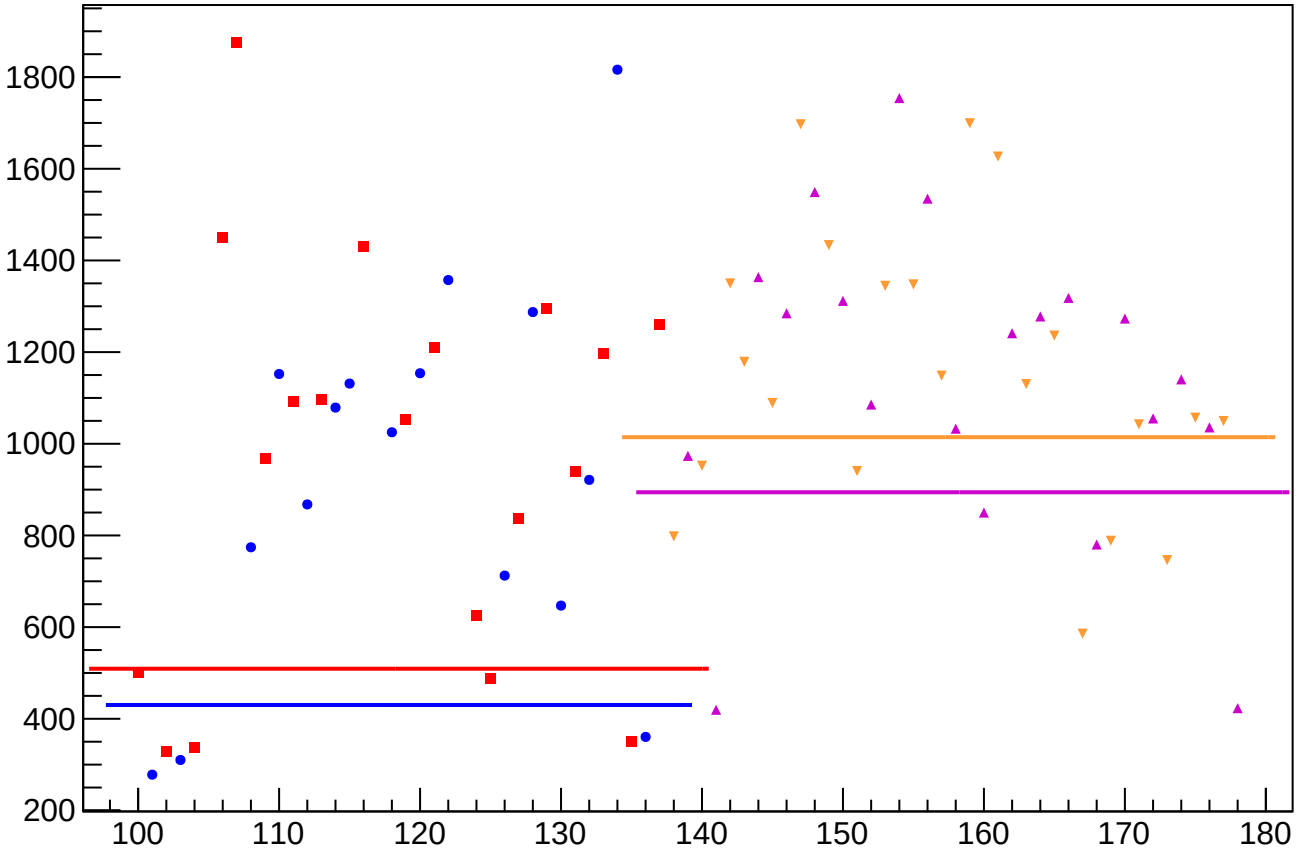
Left In: 317.945+/-260.918 χ^2/NDF:64.8/19

+ sign -241.014+/-164.298 χ^2/NDF: 177.1/36

All: 99.737+/-119.411 χ^2/NDF: 295.9/75

- sign 481.266+/-173.851 χ^2/NDF: 109.7/38

asym_bpm0l03WS_rms vs Slug



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 1014.406+/-0.195 χ^2/NDF:2148375.4/20

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

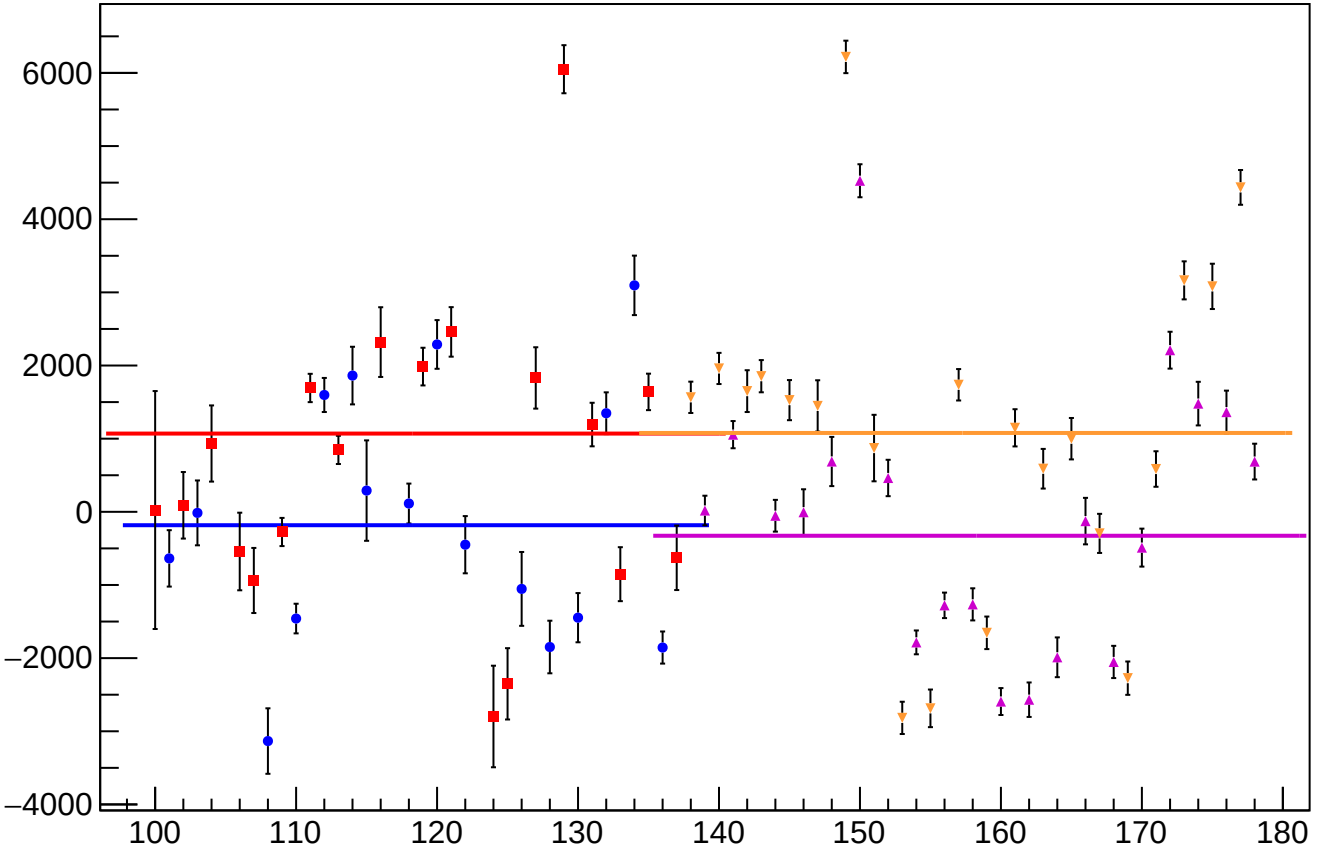
Left In: 894.235+/-0.184 χ^2/NDF:4371225.9/19

+ sign 638.057+/-0.116 χ^2/NDF: 11468650.4/36

All: 657.921+/-0.084 χ^2/NDF: 21996552.1/75

- sign 680.161+/-0.123 χ^2/NDF: 10465937.8/38

asym_bpm0l04WS_mean vs Slug



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 1078.199+/-54.593 χ^2/NDF:1821.7/20

Right Out: 1069.729+/-73.060 χ^2/NDF: 492.3/18

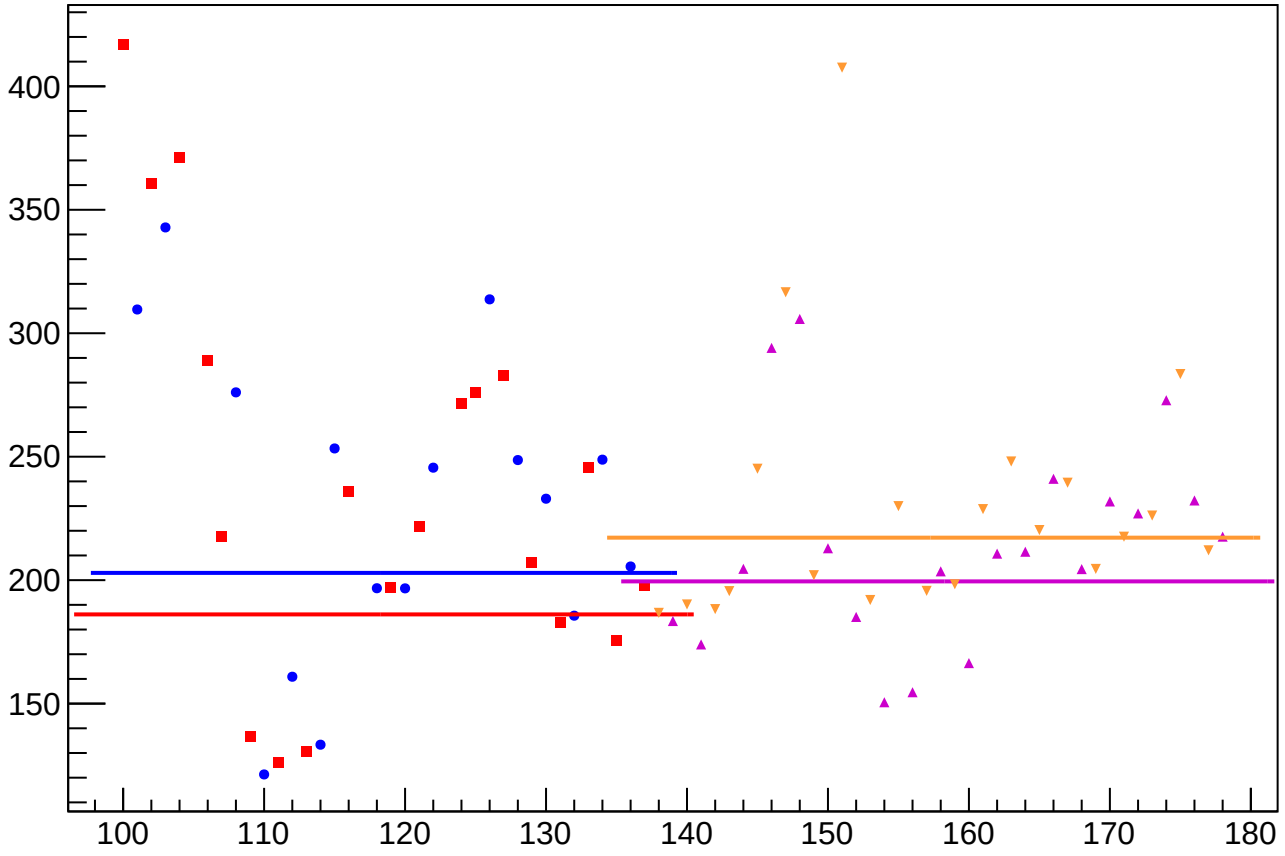
Left In: -327.164+/-51.127 χ^2/NDF:1200.9/19

\+ sign 676.545+/-45.069 χ^2/NDF: 2409.3/36

All: 384.401+/-30.683 χ^2/NDF: 4426.2/75

\- sign 132.029+/-41.889 χ^2/NDF: 1938.5/38

asym_bpm0l04WS_rms vs Slug



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 217.210+/-0.039 χ^2/NDF:865009.1/20

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

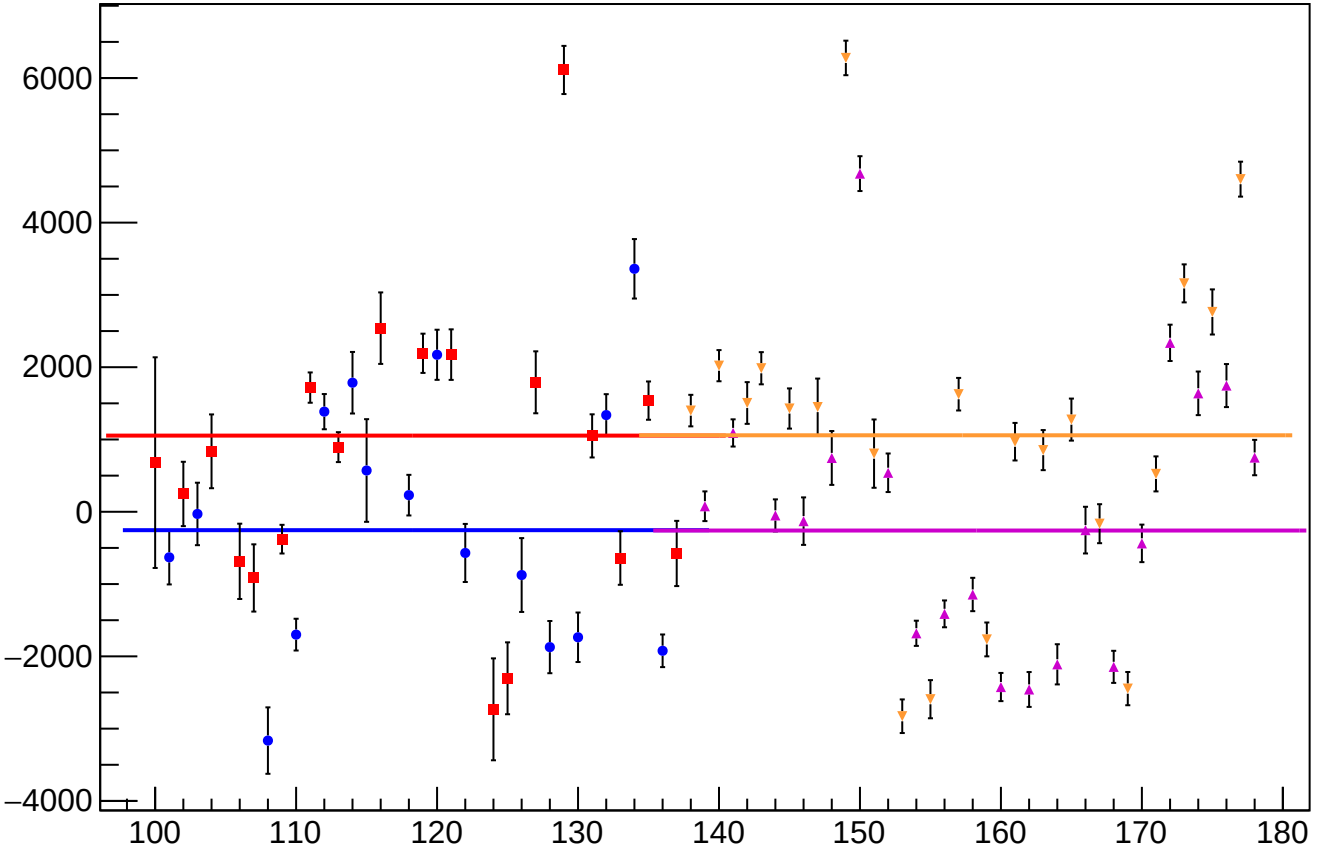
Left In: 199.501+/-0.036 χ^2/NDF:1081415.7/19

+ sign 212.666+/-0.032 χ^2/NDF: 1980381.5/36

All: 203.244+/-0.022 χ^2/NDF: 4751351.9/75

- sign 195.105+/-0.030 χ^2/NDF: 2608051.4/38

asym_bpm0l05WS_mean vs Slug



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 1058.155+/-56.071 χ^2/NDF:1712.8/20

Right Out: 1053.731+/-75.969 χ^2/NDF: 477.7/18

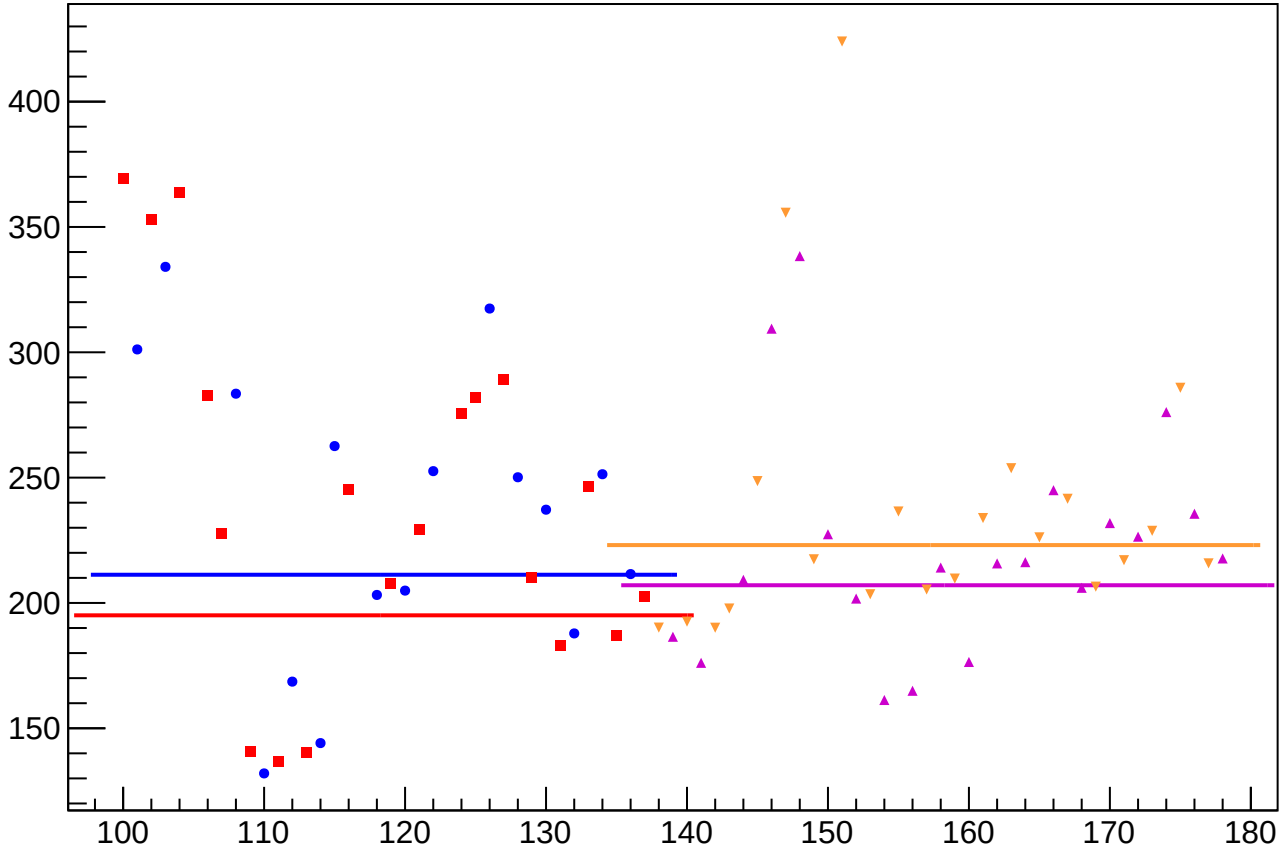
Left In: -259.385+/-52.946 χ^2/NDF:1143.4/19

+ sign 643.331+/-46.373 χ^2/NDF: 2295.3/36

All: 391.161+/-31.702 χ^2/NDF: 4173.0/75

- sign 169.906+/-43.437 χ^2/NDF: 1822.2/38

asym_bpm0l05WS_rms vs Slug



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 223.083+/-0.040 χ^2/NDF:914612.4/20

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

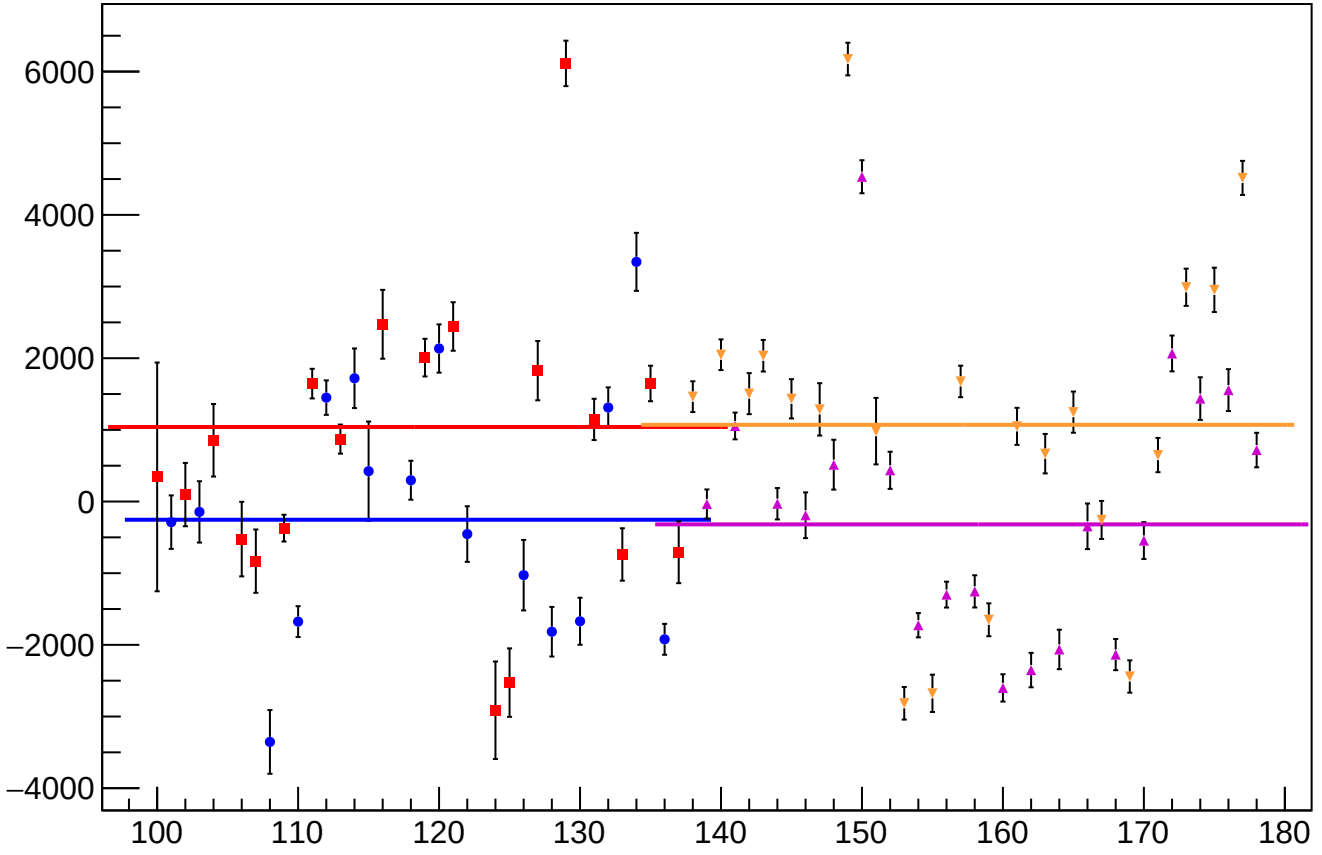
Left In: 207.063+/-0.037 χ^2/NDF:1013710.5/19

+ sign 219.345+/-0.033 χ^2/NDF: 1827110.1/36

All: 210.713+/-0.022 χ^2/NDF: 4289399.5/75

- sign 203.139+/-0.031 χ^2/NDF: 2332187.4/38

asym_bpm0l06WS_mean vs Slug



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 1070.397+/-55.104 χ^2/NDF:1771.9/20

Right Out: 1040.361+/-73.363 χ^2/NDF: 533.4/18

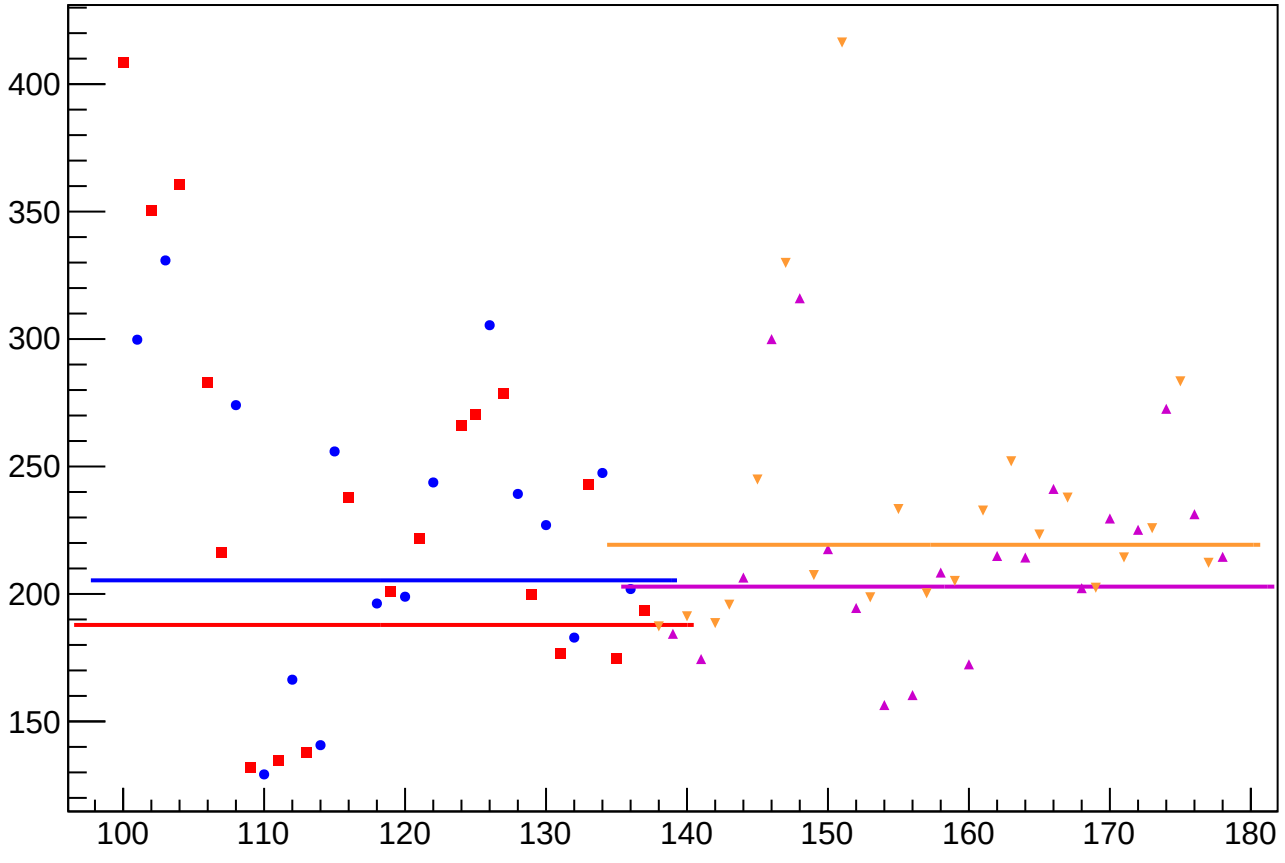
Left In: -319.082+/-51.888 χ^2/NDF:1141.9/19

+ sign 645.827+/-45.421 χ^2/NDF: 2389.1/36

All: 372.219+/-30.980 χ^2/NDF: 4361.1/75

- sign 134.210+/-42.363 χ^2/NDF: 1904.2/38

asym_bpm0l06WS_rms vs Slug



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 219.292+/-0.039 χ^2/NDF:880547.1/20

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

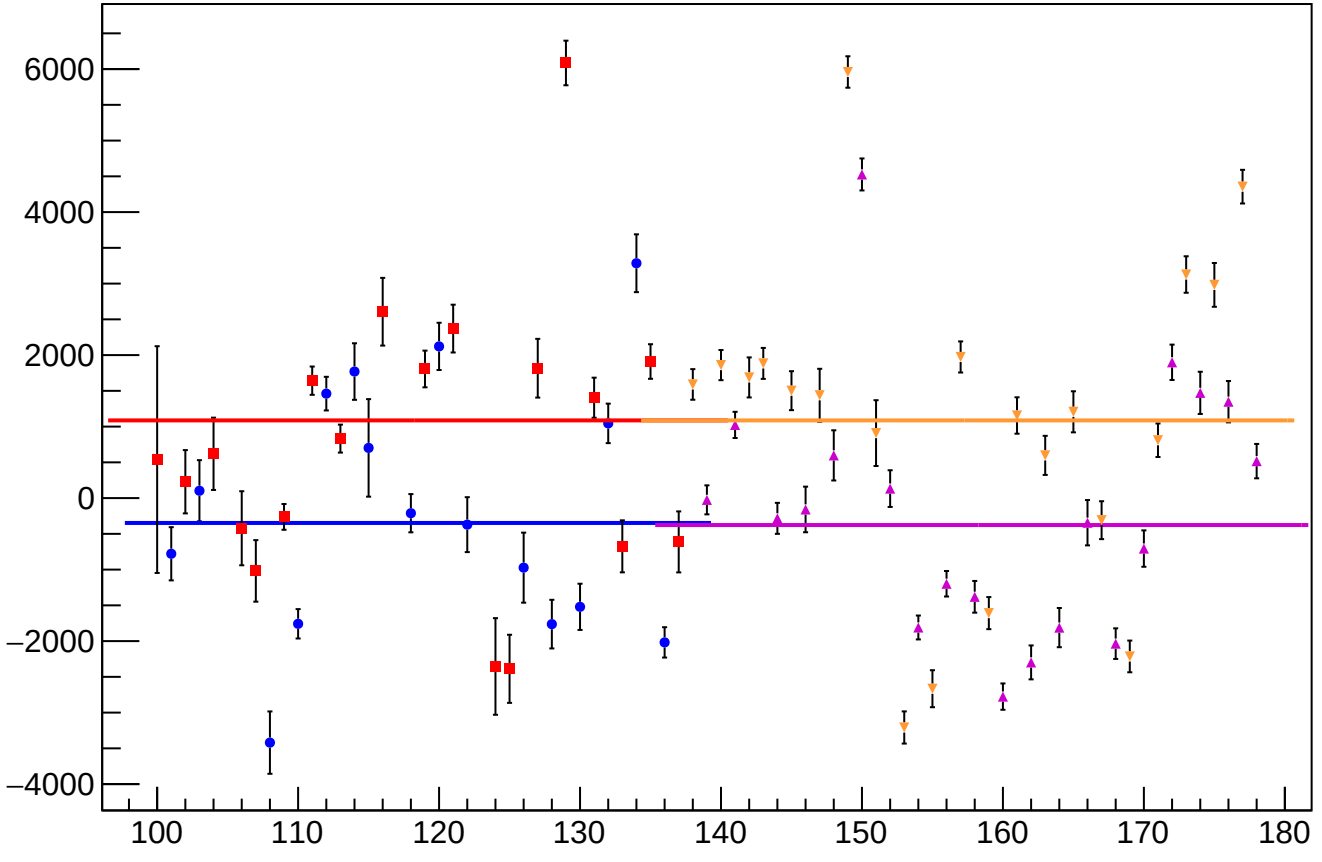
Left In: 202.876+/-0.037 χ^2/NDF:993049.2/19

+ sign 214.820+/-0.032 χ^2/NDF: 1799042.6/36

All: 205.753+/-0.022 χ^2/NDF: 4334117.3/75

- sign 197.865+/-0.030 χ^2/NDF: 2386037.6/38

asym_bpm0l07WS_mean vs Slug



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 1086.526+/-54.394 χ^2/NDF:1816.2/20

Right Out: 1086.638+/-71.539 χ^2/NDF: 527.2/18

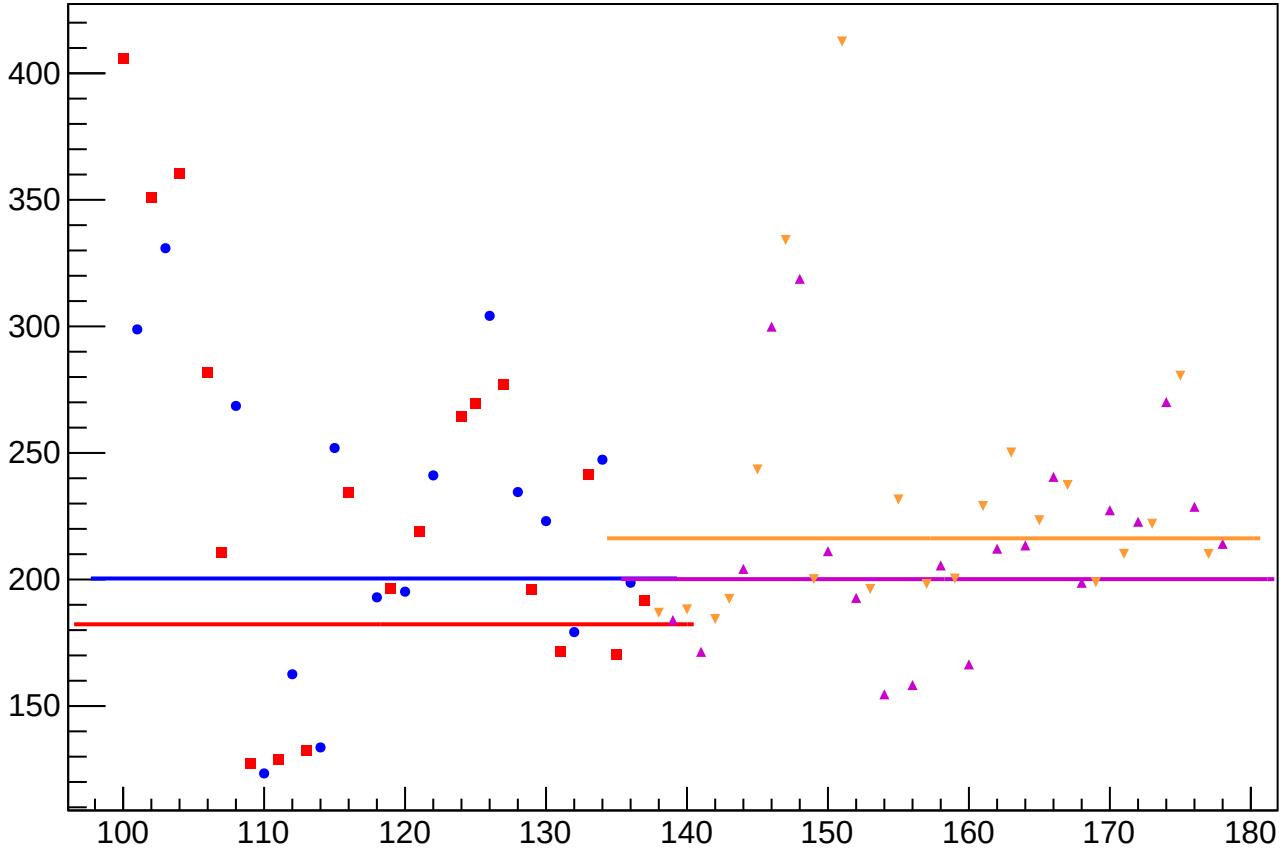
Left In: -376.776+/-51.238 χ^2/NDF:1166.8/19

+ sign 621.834+/-44.722 χ^2/NDF: 2487.3/36

All: 352.804+/-30.481 χ^2/NDF: 4525.4/75

- sign 119.398+/-41.656 χ^2/NDF: 1970.5/38

asym_bpm0l07WS_rms vs Slug



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 216.263+/-0.038 χ^2/NDF:921106.7/20

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

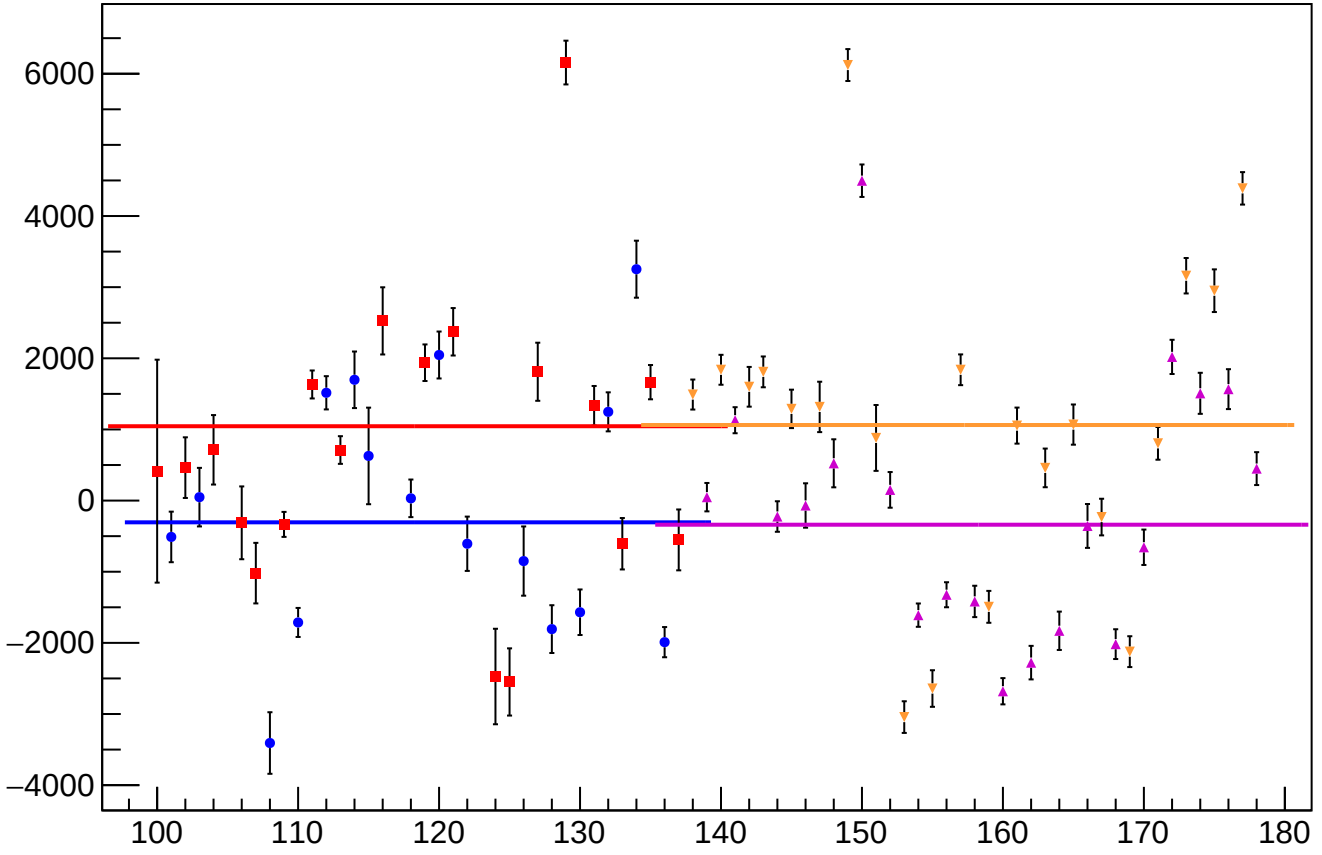
Left In: 200.149+/-0.036 χ^2/NDF:1040564.9/19

+ sign 211.123+/-0.032 χ^2/NDF: 1935232.5/36

All: 202.007+/-0.022 χ^2/NDF: 4660472.0/75

- sign 194.098+/-0.029 χ^2/NDF: 2570035.9/38

asym_bpm0l08WS_mean vs Slug



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 1062.265+/-53.802 χ^2/NDF:1805.1/20

Right Out: 1045.144+/-70.824 χ^2/NDF: 552.2/18

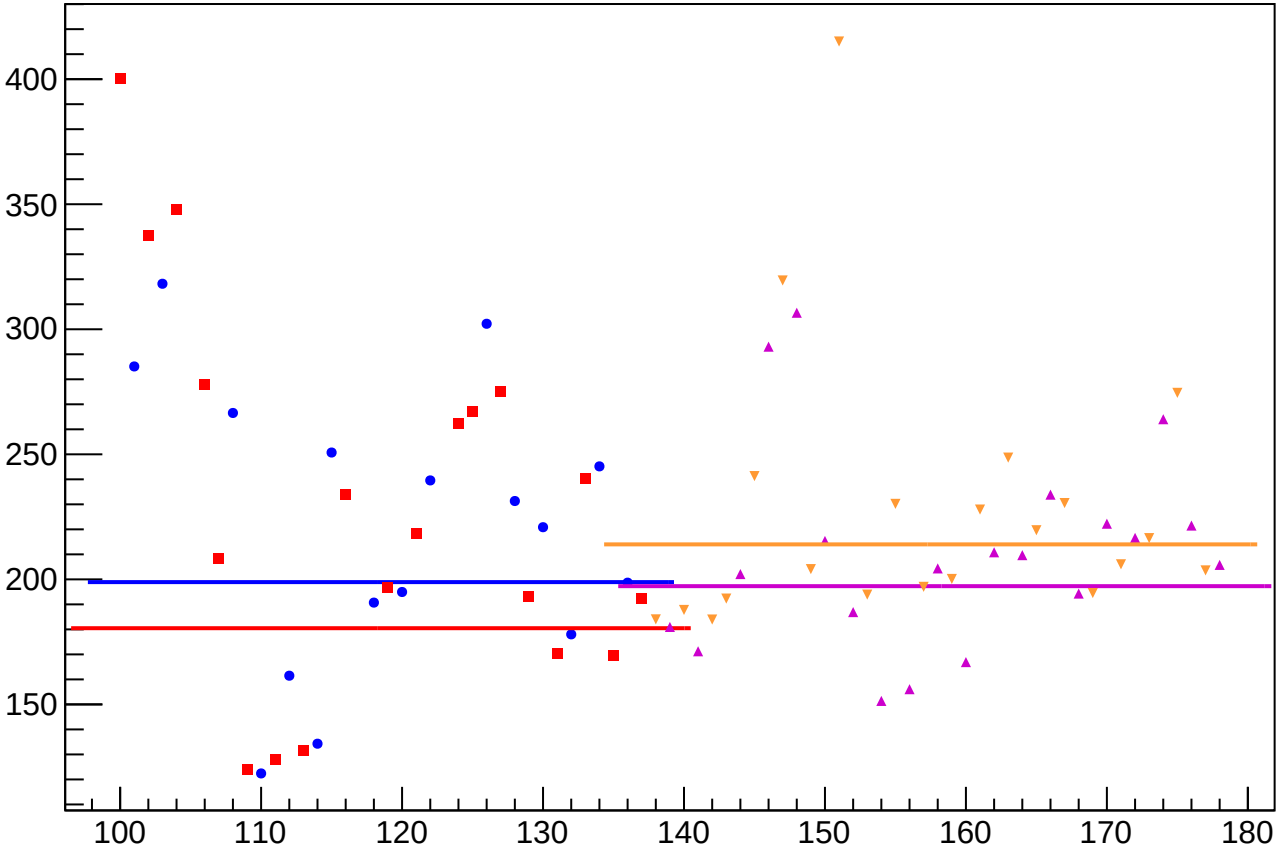
Left In: -339.122+/-50.491 χ^2/NDF:1164.0/19

+ sign 620.244+/-44.264 χ^2/NDF: 2465.8/36

All: 355.623+/-30.124 χ^2/NDF: 4501.9/75

- sign 127.341+/-41.113 χ^2/NDF: 1969.5/38

asym_bpm0l08WS_rms vs Slug



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 213.991+/-0.038 χ^2/NDF:890303.9/20

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

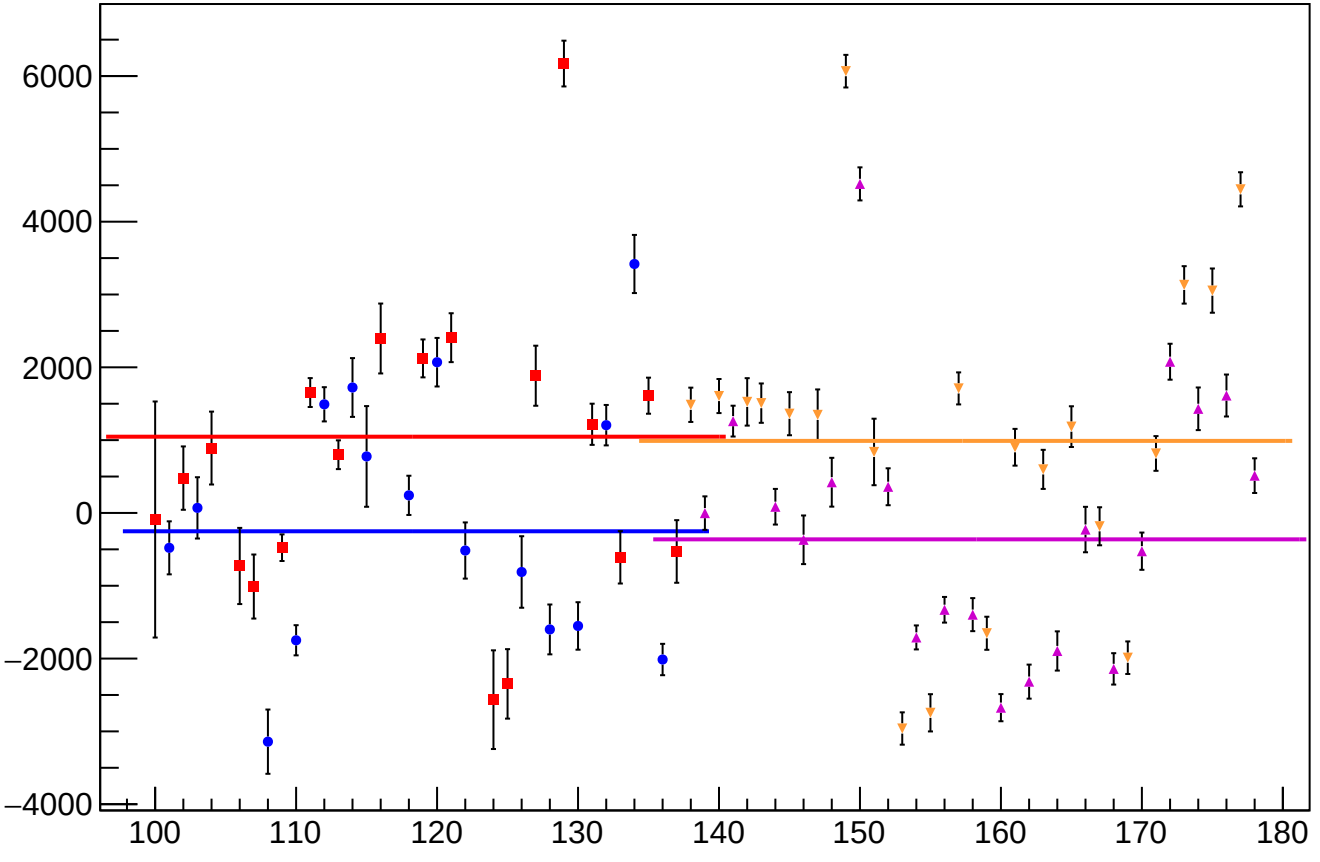
Left In: 197.284+/-0.036 χ^2/NDF:988650.2/19

+ sign 209.116+/-0.031 χ^2/NDF: 1853899.3/36

All: 199.723+/-0.021 χ^2/NDF: 4519462.5/75

- sign 191.619+/-0.029 χ^2/NDF: 2497804.2/38

asym_bpm0l09WS_mean vs Slug



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 989.516+/-56.065 χ^2/NDF:1744.0/20

Right Out: 1047.132+/-72.190 χ^2/NDF: 546.7/18

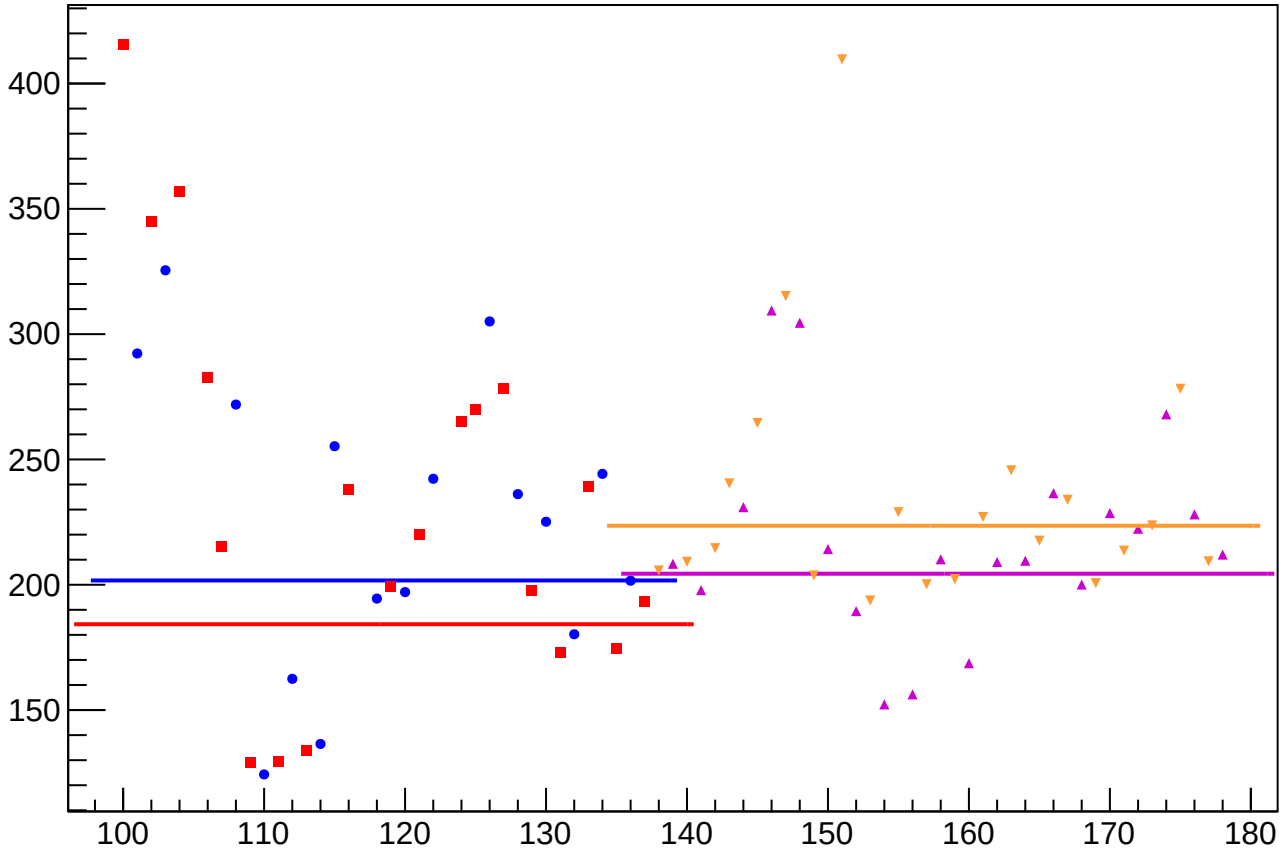
Left In: -362.706+/-52.352 χ^2/NDF:1178.5/19

+ sign 573.552+/-45.716 χ^2/NDF: 2349.5/36

All: 331.346+/-31.080 χ^2/NDF: 4376.9/75

- sign 123.197+/-42.381 χ^2/NDF: 1975.2/38

asym_bpm0l09WS_rms vs Slug



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 223.549+/-0.040 χ^2/NDF:743940.7/20

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

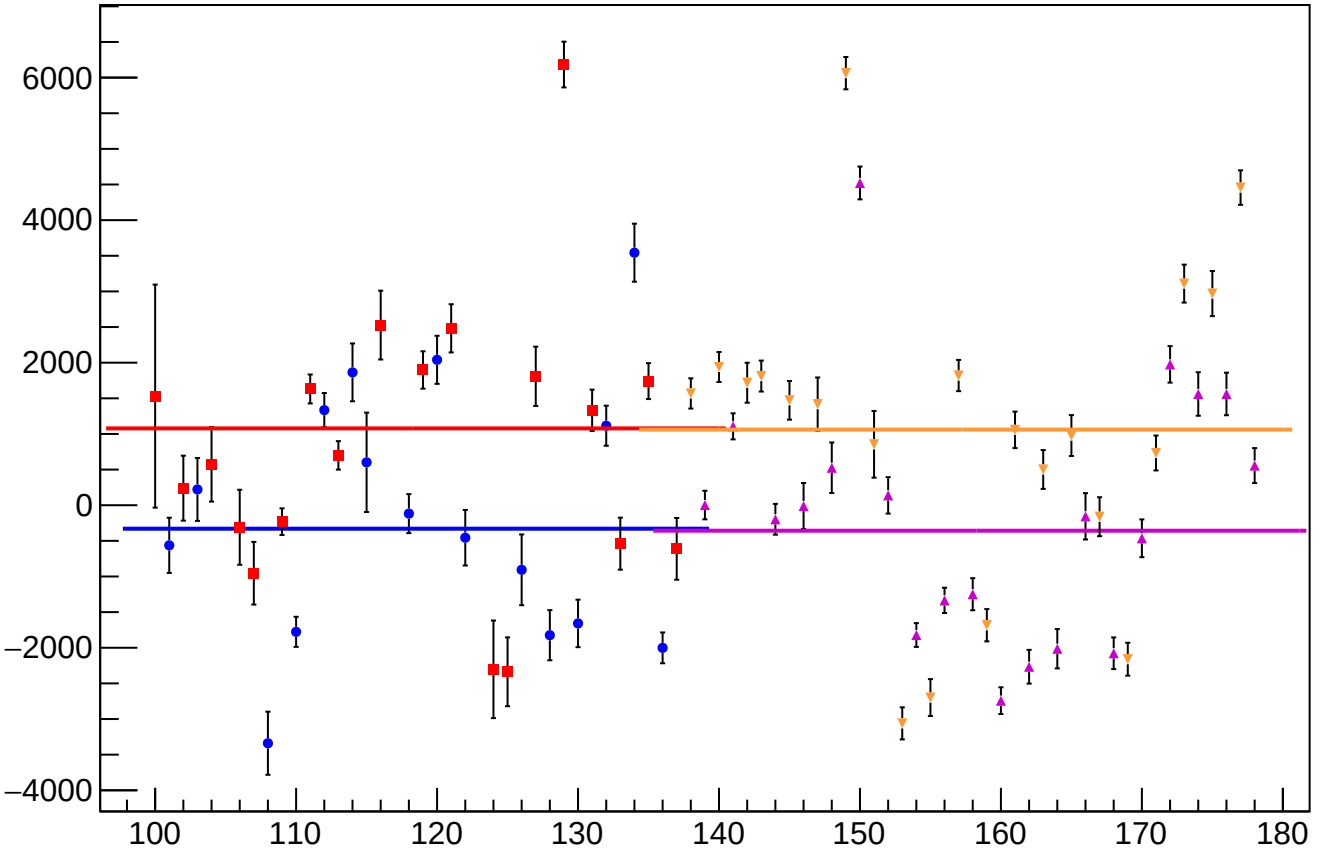
Left In: 204.403+/-0.037 χ^2/NDF:999260.2/19

+ sign 216.232+/-0.032 χ^2/NDF: 1769806.0/36

All: 206.134+/-0.022 χ^2/NDF: 4456483.5/75

- sign 197.455+/-0.030 χ^2/NDF: 2505236.7/38

asym_bpm0l10WS_mean vs Slug



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 1060.877+/-55.095 χ^2/NDF:1750.1/20

Right Out: 1077.876+/-73.404 χ^2/NDF: 502.0/18

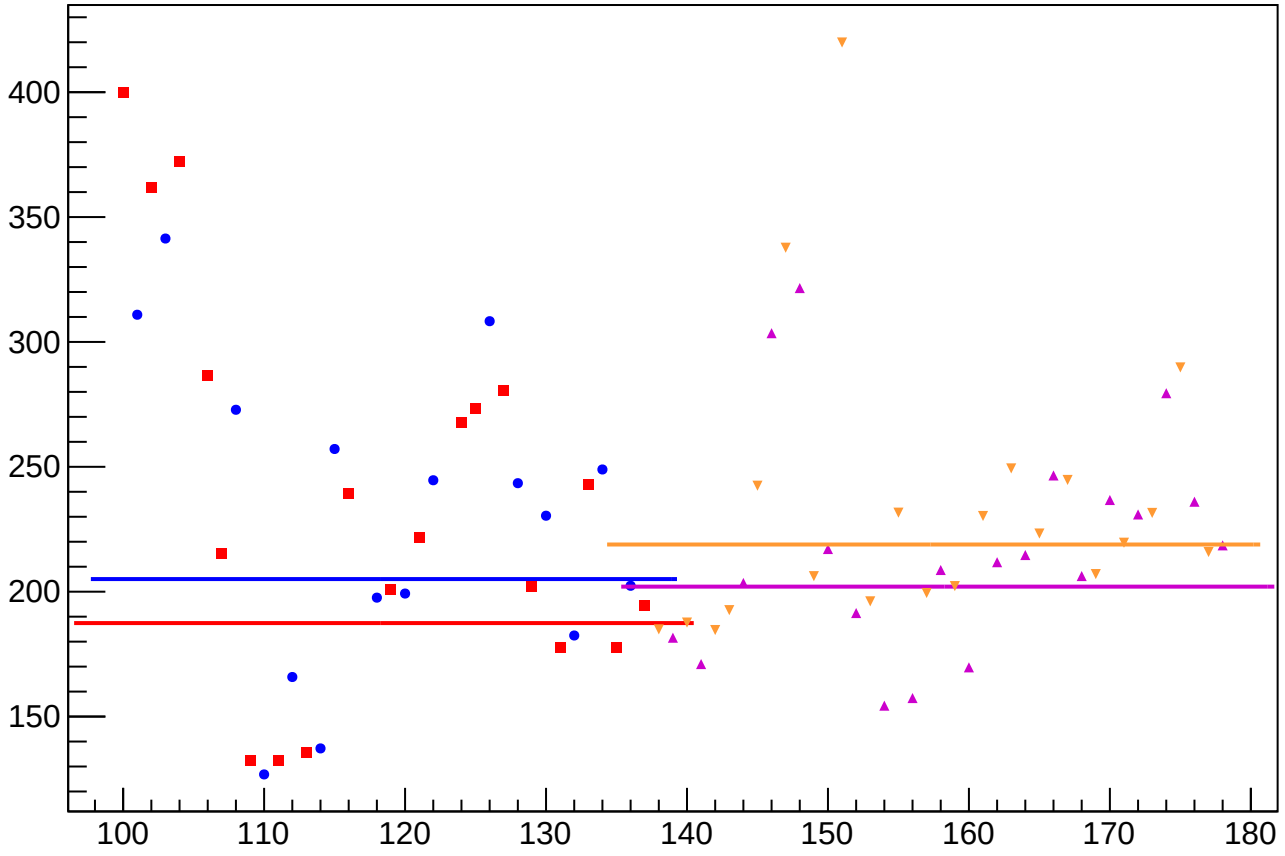
Left In: -357.493+/-51.812 χ^2/NDF:1152.4/19

+ sign 616.398+/-45.442 χ^2/NDF: 2390.1/36

All: 350.520+/-30.973 χ^2/NDF: 4363.6/75

- sign 119.819+/-42.329 χ^2/NDF: 1909.6/38

asym_bpm0l10WS_rms vs Slug



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 218.893+/-0.039 χ^2/NDF:956087.1/20

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

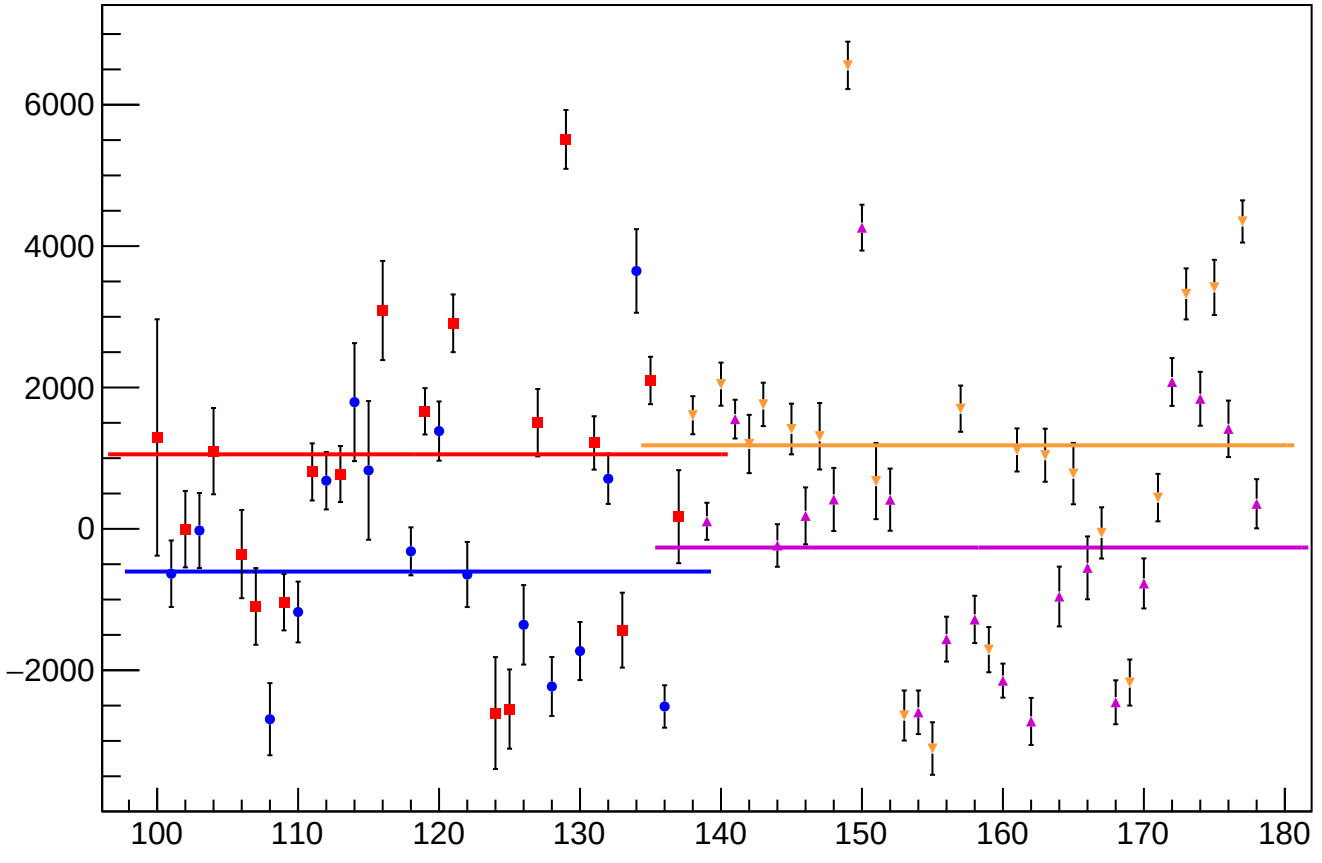
Left In: 202.025+/-0.037 χ^2/NDF:1135508.3/19

+ sign 214.468+/-0.032 χ^2/NDF: 1959490.9/36

All: 205.208+/-0.022 χ^2/NDF: 4713704.5/75

- sign 197.172+/-0.030 χ^2/NDF: 2599074.8/38

asym_bpm0r03WS_mean vs Slug



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 1182.309+/-75.692 χ^2/NDF:910.2/20

Right Out: 1054.556+/-108.264 χ^2/NDF: 297.7/18

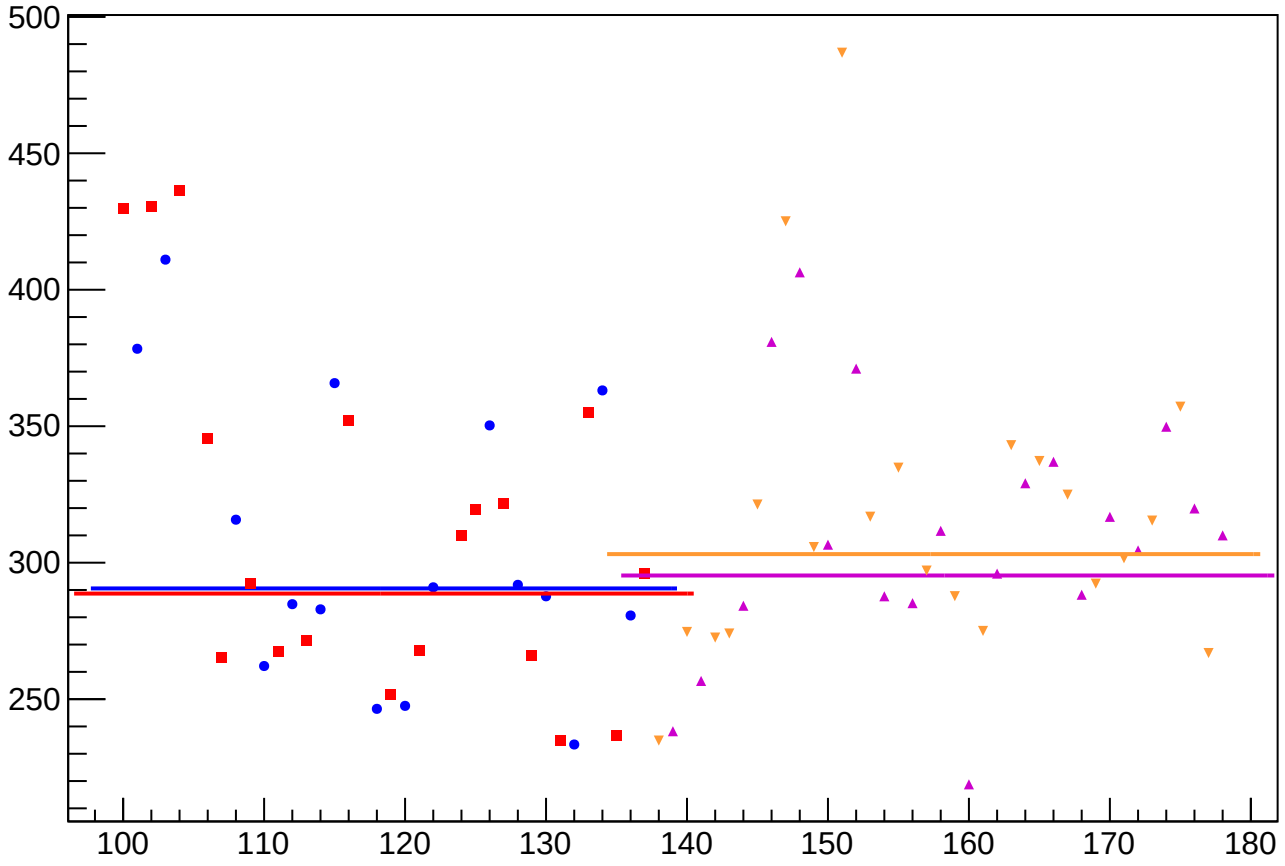
Left In: -264.164+/-74.631 χ^2/NDF:599.2/19

+ sign 613.224+/-62.481 χ^2/NDF: 1281.1/36

All: 383.146+/-43.810 χ^2/NDF: 2305.3/75

- sign 160.625+/-61.446 χ^2/NDF: 997.5/38

asym_bpm0r03WS_rms vs Slug



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 303.144+/-0.054 χ^2/NDF:702414.2/20

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

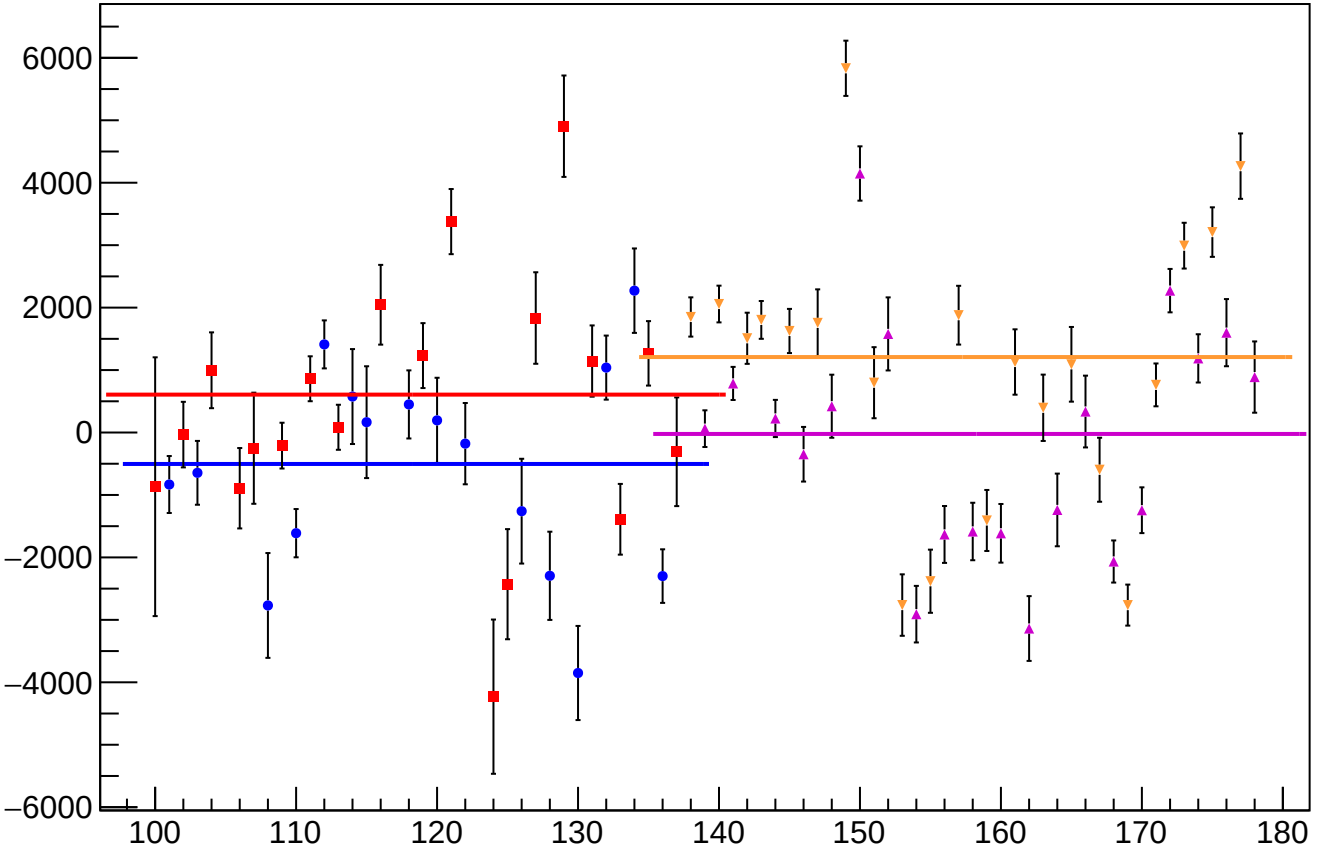
Left In: 295.308+/-0.053 χ^2/NDF:715511.1/19

+ sign 299.137+/-0.044 χ^2/NDF: 1079816.1/36

All: 296.106+/-0.031 χ^2/NDF: 2298750.2/75

- sign 293.175+/-0.043 χ^2/NDF: 1209678.8/38

asym_bpm0r05WS_mean vs Slug



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 1208.297+/-89.815 χ^2/NDF:521.4/20

Right Out: 606.880+/-129.609 χ^2/NDF: 125.1/18

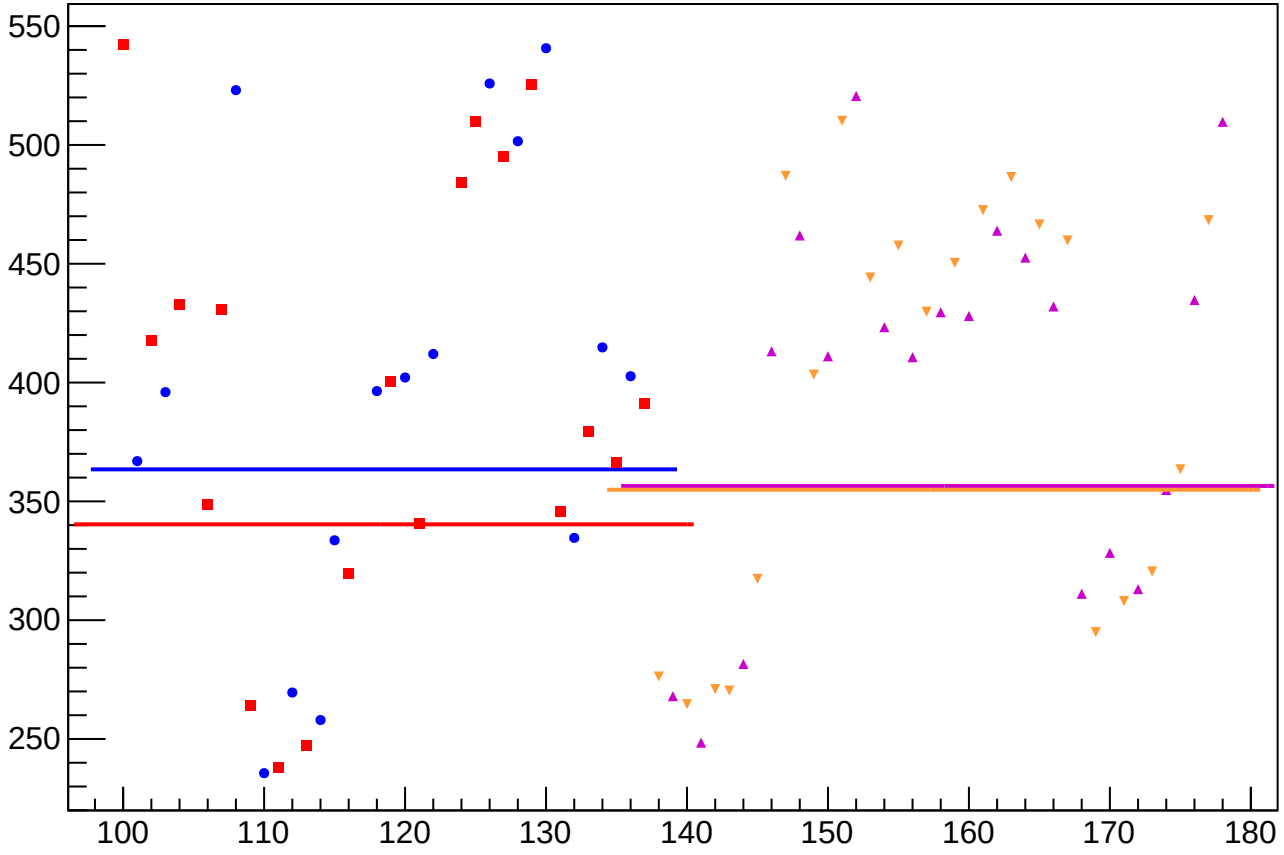
Left In: -23.048+/-90.970 χ^2/NDF:340.6/19

+ sign 709.432+/-75.605 χ^2/NDF: 745.5/36

All: 443.140+/-53.051 χ^2/NDF: 1251.5/75

- sign 184.857+/-74.460 χ^2/NDF: 481.6/38

asym_bpm0r05WS_rms vs Slug



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 354.878+/-0.064 χ^2/NDF:1738795.0/20

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

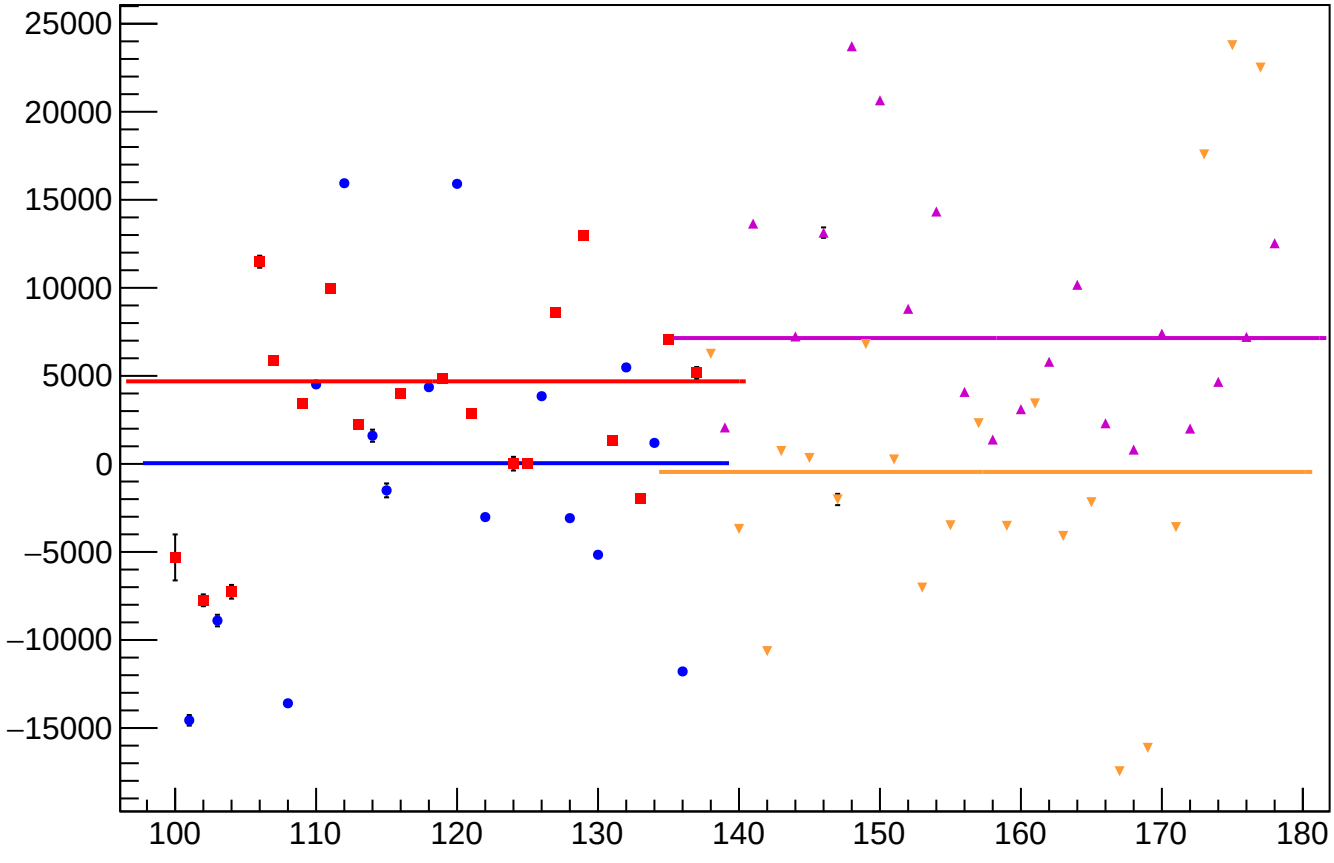
Left In: 356.488+/-0.064 χ^2/NDF:1559224.6/19

+ sign 357.382+/-0.053 χ^2/NDF: 2525023.0/36

All: 354.221+/-0.038 χ^2/NDF: 4968182.4/75

- sign 351.156+/-0.053 χ^2/NDF: 2436274.0/38

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -455.975+/-42.755 χ^2/NDF:54171.5/20

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

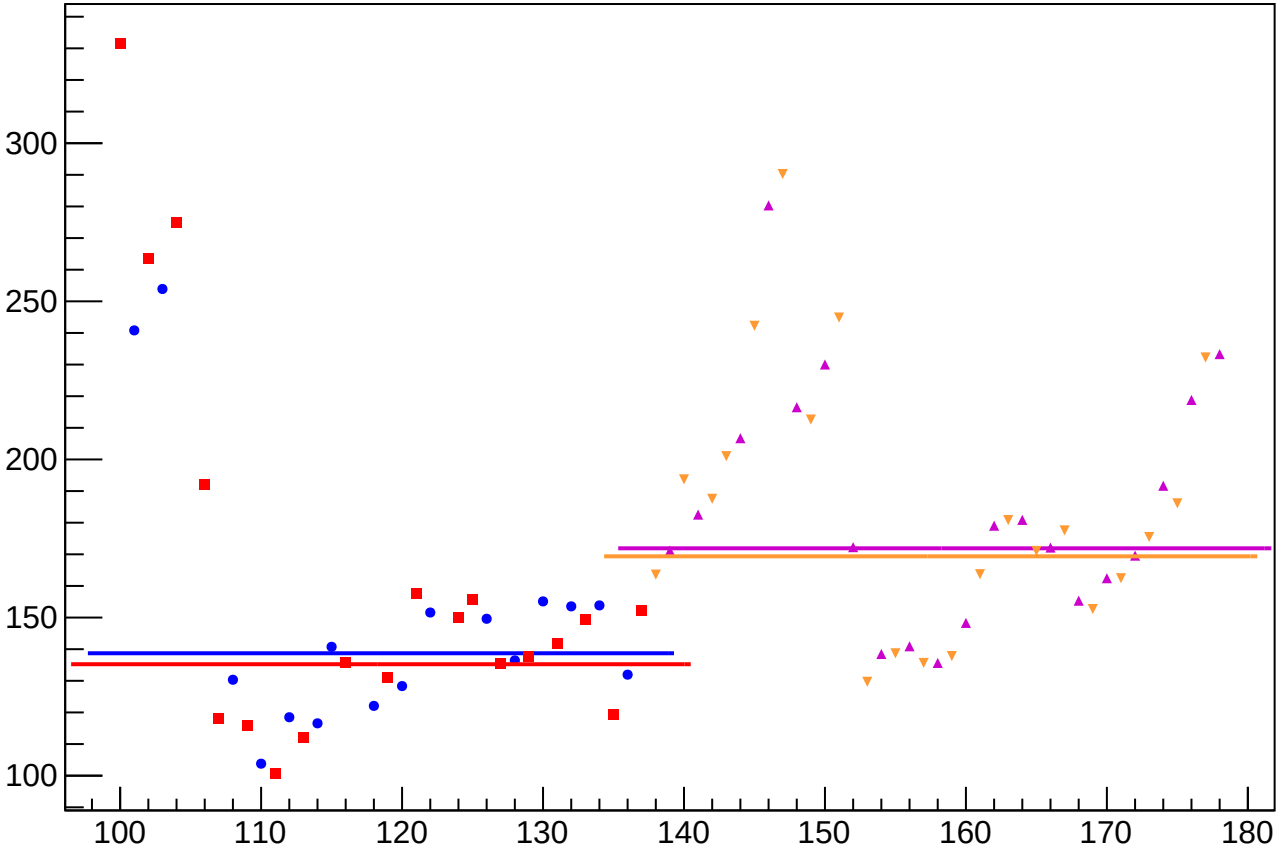
Left In: 7148.113+/-43.962 χ^2/NDF:18173.8/19

+ sign -265.372+/-33.568 χ^2/NDF: 85009.6/36

All: 2927.254+/-23.747 χ^2/NDF: 130387.7/75

- sign 6125.574+/-33.598 χ^2/NDF: 27270.2/38

asym_bpm0i02WS_rms vs Slug



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 169.364+/-0.030 χ^2/NDF:1299869.0/20

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

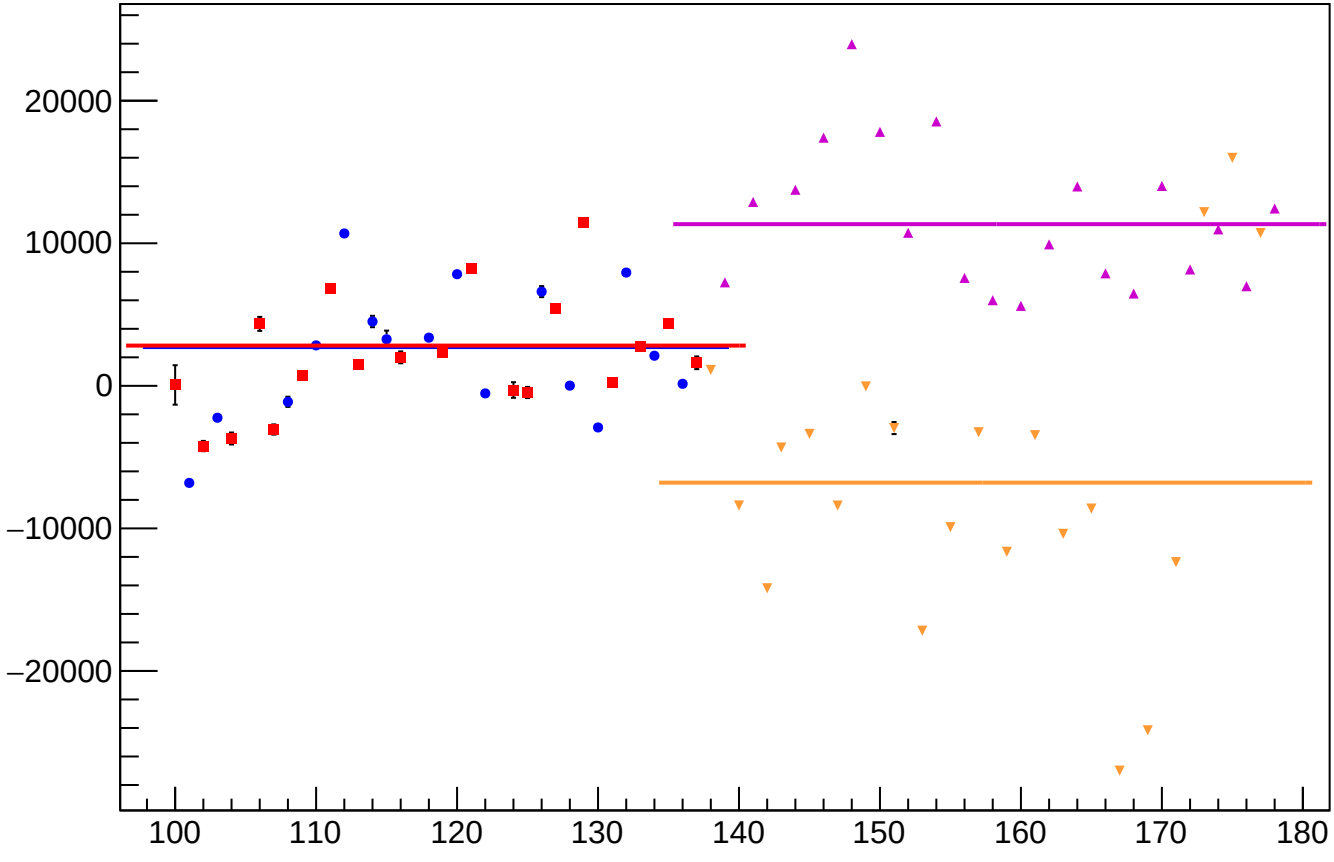
Left In: 171.902+/-0.031 χ^2/NDF:1064963.4/19

+ sign 157.606+/-0.024 χ^2/NDF: 2351967.8/36

All: 157.131+/-0.017 χ^2/NDF: 4886130.7/75

- sign 156.655+/-0.024 χ^2/NDF: 2533361.1/38

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -6790.881+/-49.614 χ^2/NDF:45703.1/20

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

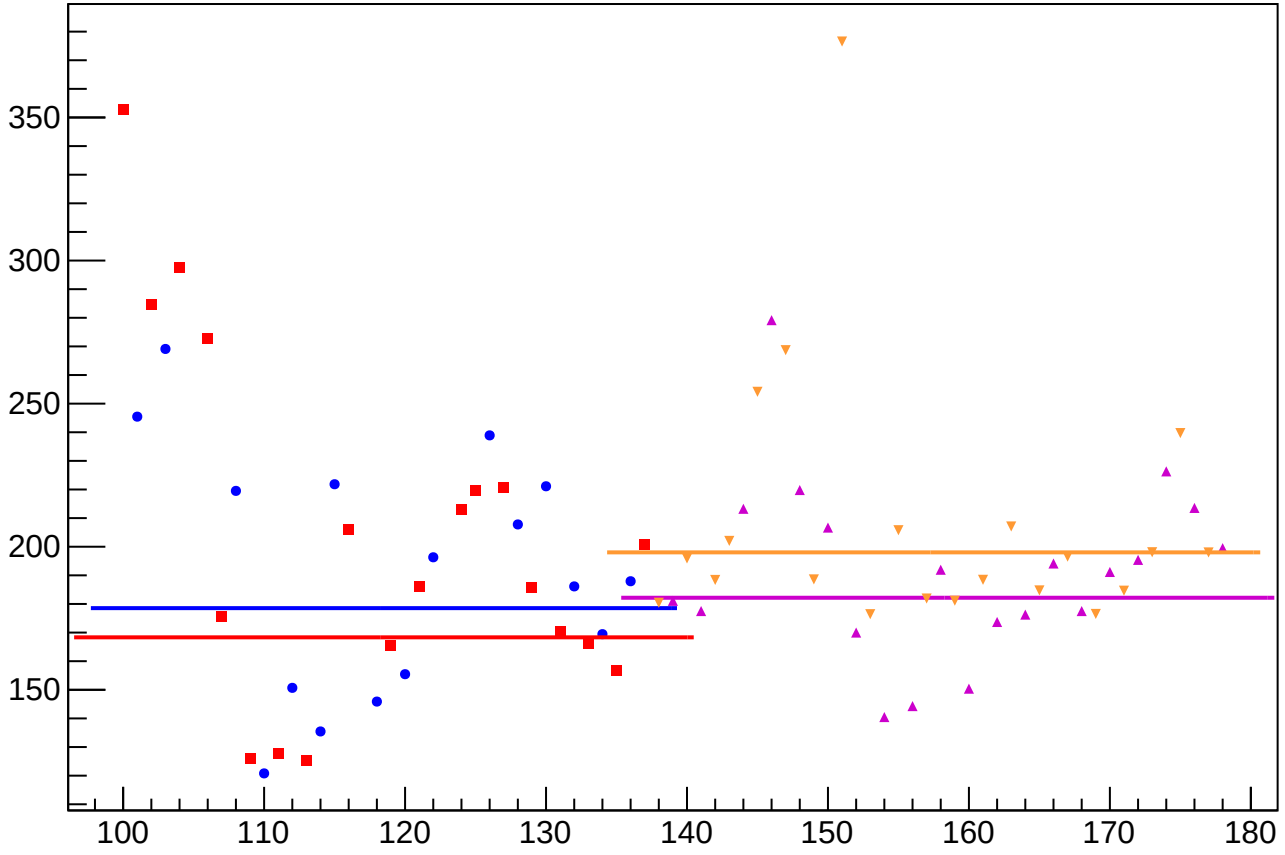
Left In: 11341.064+/-46.468 χ^2/NDF:10866.7/19

+ sign -3564.738+/-40.331 χ^2/NDF: 62297.5/36

All: 2836.580+/-27.569 χ^2/NDF: 134915.1/75

- sign 8451.522+/-37.772 χ^2/NDF: 25327.5/38

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 198.027+/-0.035 χ^2/NDF:716878.9/20

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

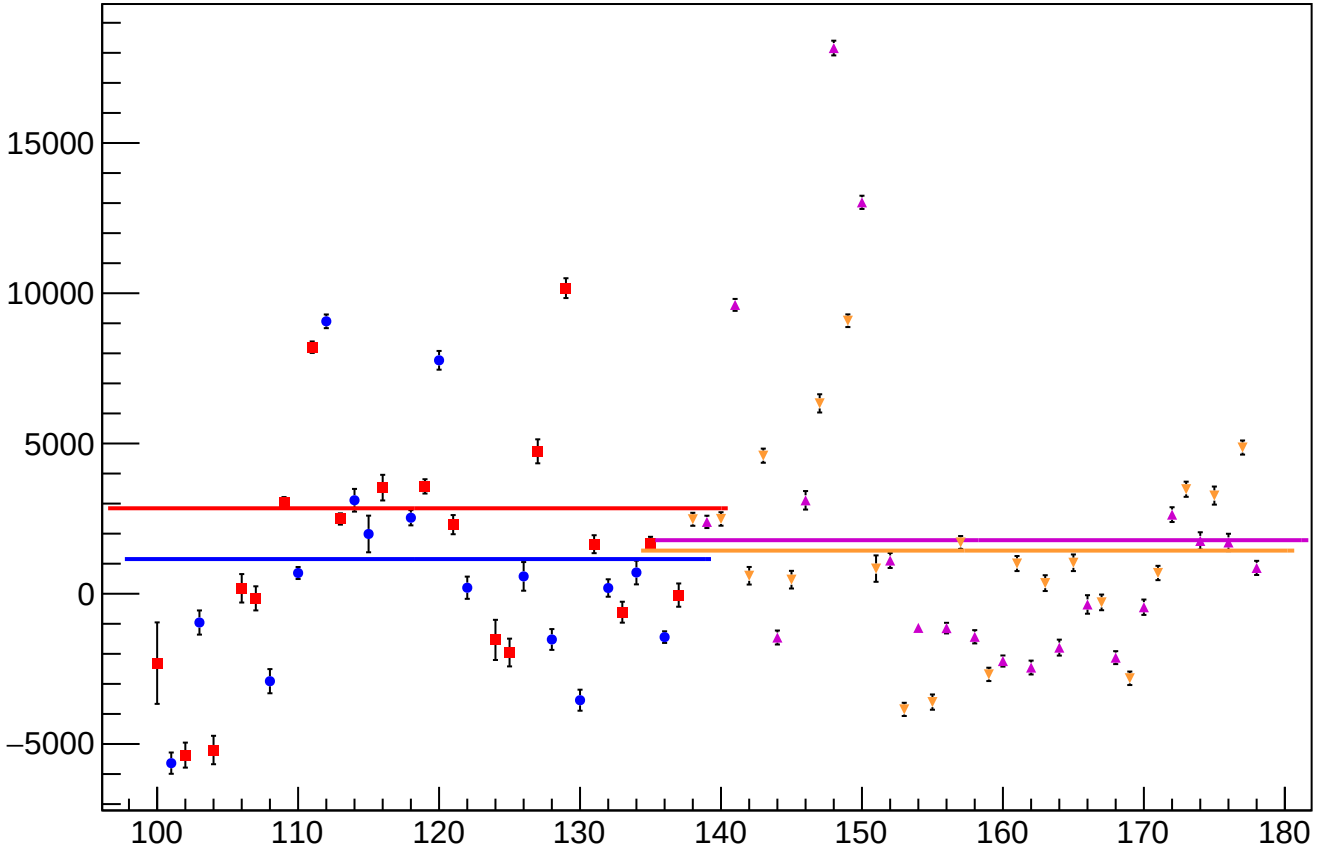
Left In: 182.169+/-0.033 χ^2/NDF:793023.9/19

+ sign 191.417+/-0.029 χ^2/NDF: 1496100.0/36

All: 183.991+/-0.019 χ^2/NDF: 3456069.1/75

- sign 177.476+/-0.027 χ^2/NDF: 1832653.6/38

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1435.579+/-54.270 χ^2/NDF:3887.2/20

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

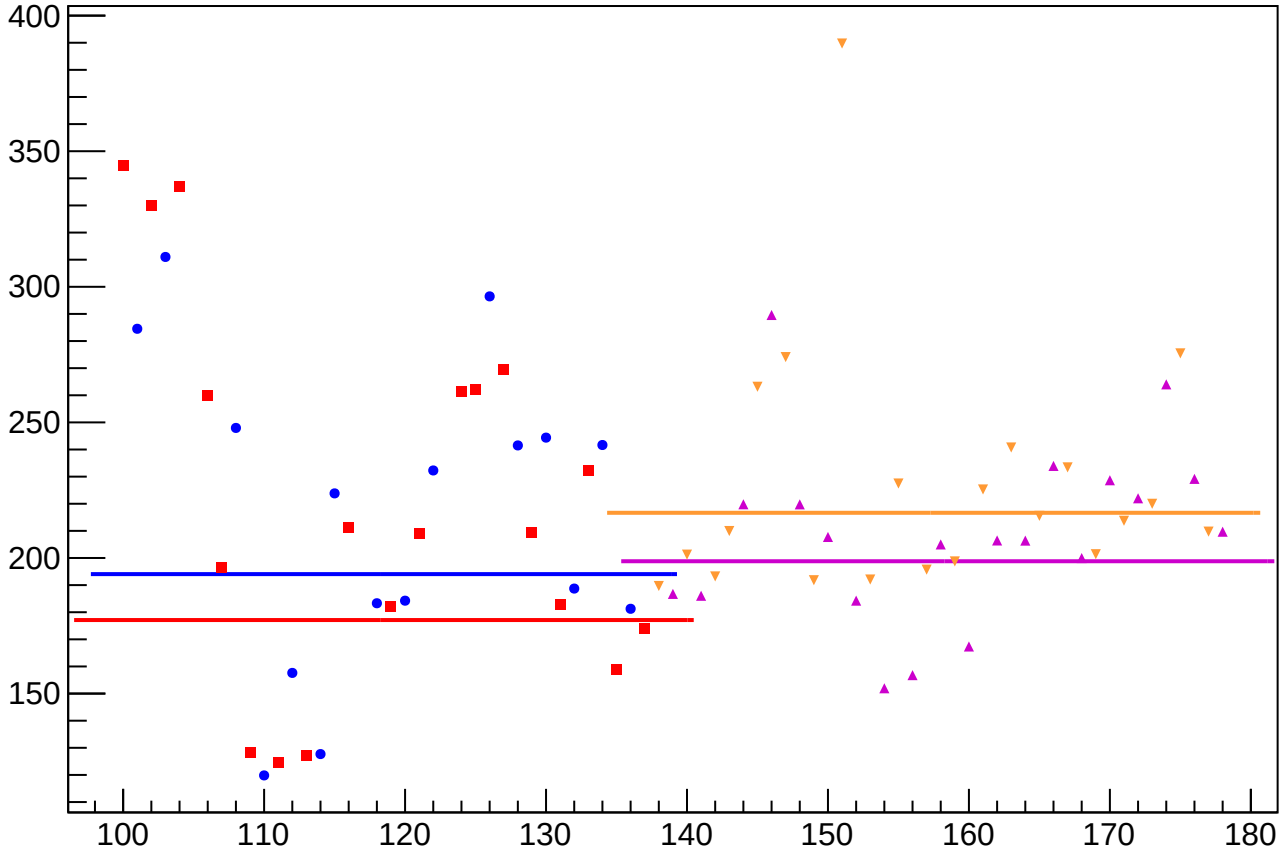
Left In: 1782.231+/-50.723 χ^2/NDF:11109.4/19

+ sign 1340.355+/-44.157 χ^2/NDF: 6551.6/36

All: 1778.160+/-30.005 χ^2/NDF: 20450.1/75

- sign 2153.706+/-40.897 χ^2/NDF: 13715.8/38

asym_bpm0i05WS_rms vs Slug



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 216.667+/-0.038 χ^2/NDF:690691.6/20

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

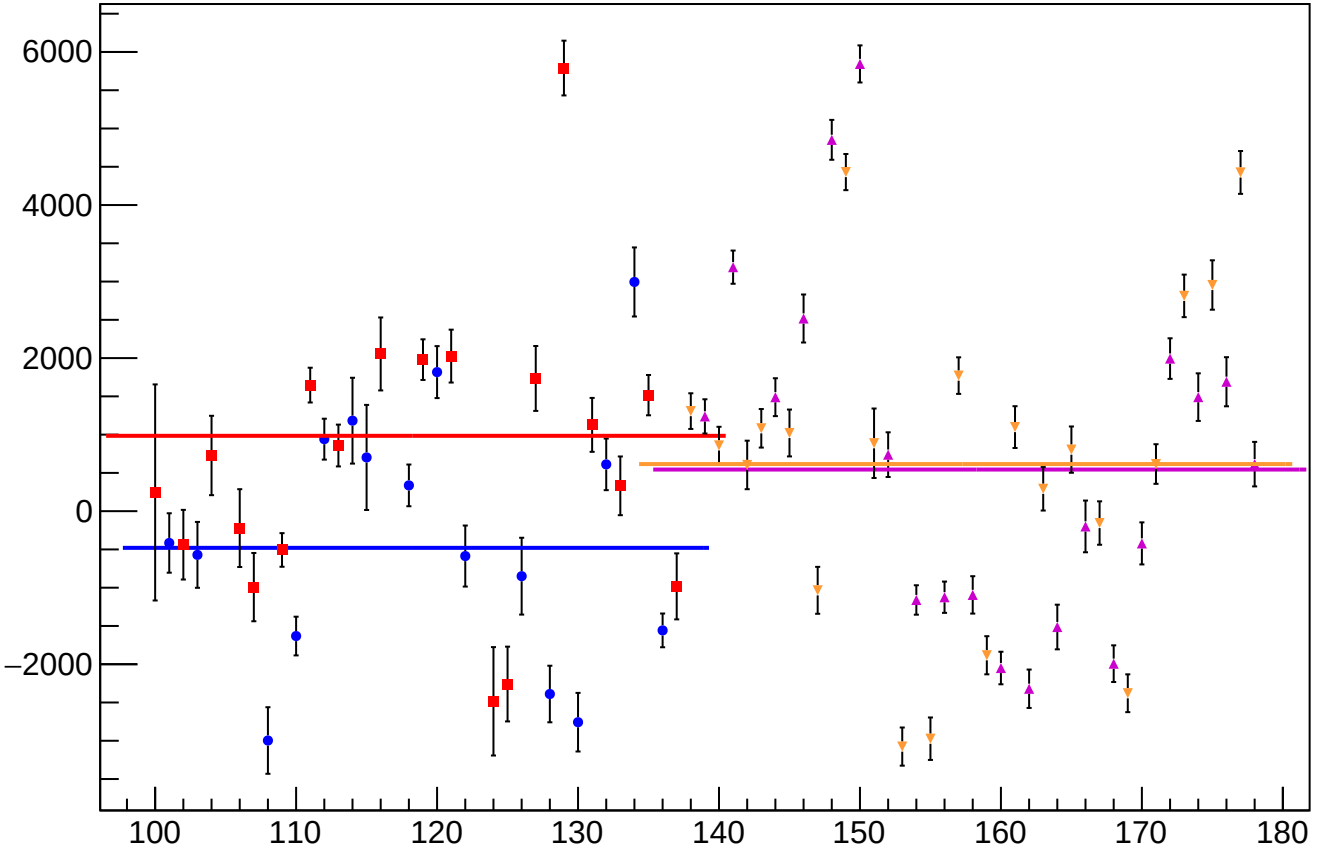
Left In: 198.799+/-0.036 χ^2/NDF:767631.5/19

+ sign 209.024+/-0.031 χ^2/NDF: 1773837.4/36

All: 199.436+/-0.021 χ^2/NDF: 4203875.1/75

- sign 191.212+/-0.029 χ^2/NDF: 2254872.4/38

asym_bpm0i07WS_mean vs Slug



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 615.556+/-59.376 χ^2/NDF:1275.6/20

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

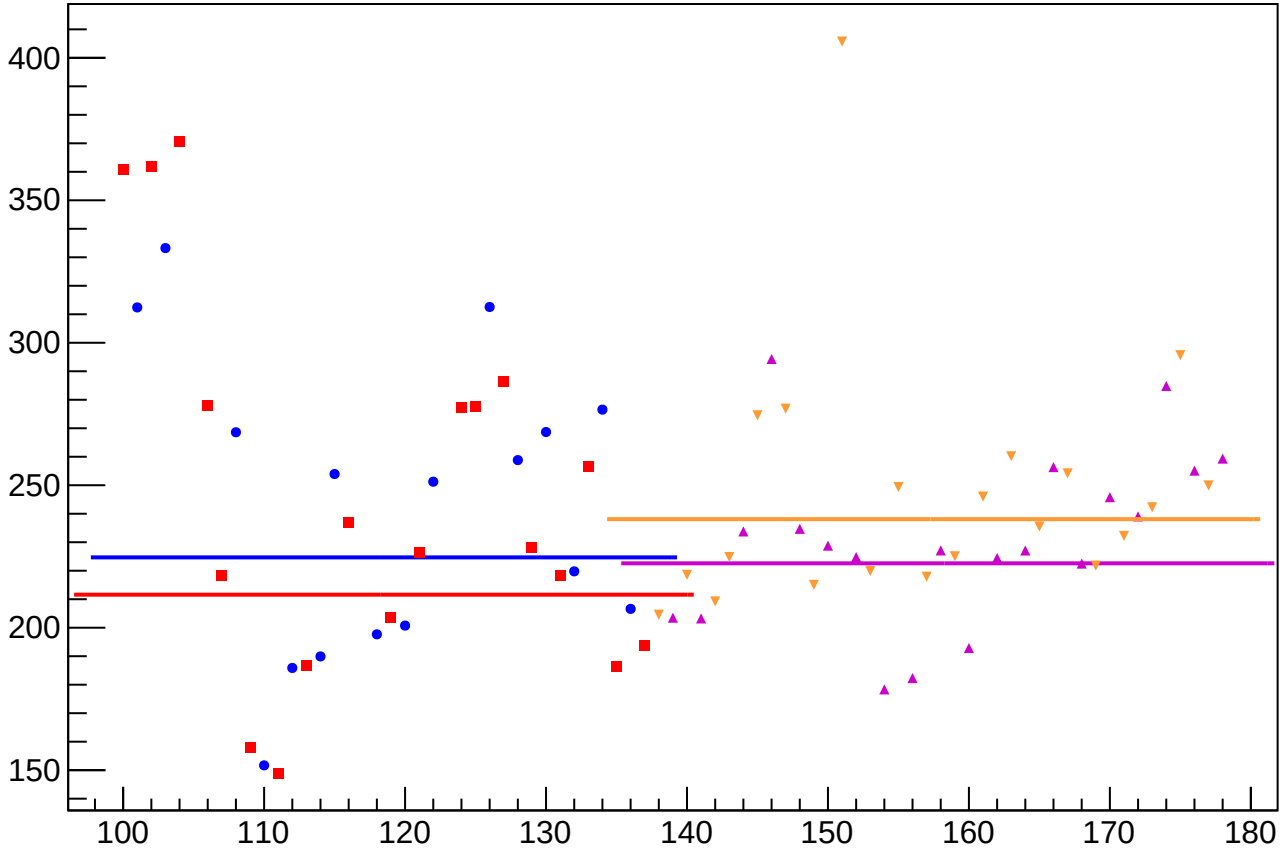
Left In: 543.714+/-56.411 χ^2/NDF:1665.1/19

+ sign 265.918+/-48.986 χ^2/NDF: 1689.6/36

All: 488.834+/-33.641 χ^2/NDF: 3811.9/75

- sign 687.808+/-46.281 χ^2/NDF: 2083.2/38

asym_bpm0i07WS_rms vs Slug



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 238.098+/-0.042 χ^2/NDF:560092.5/20

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

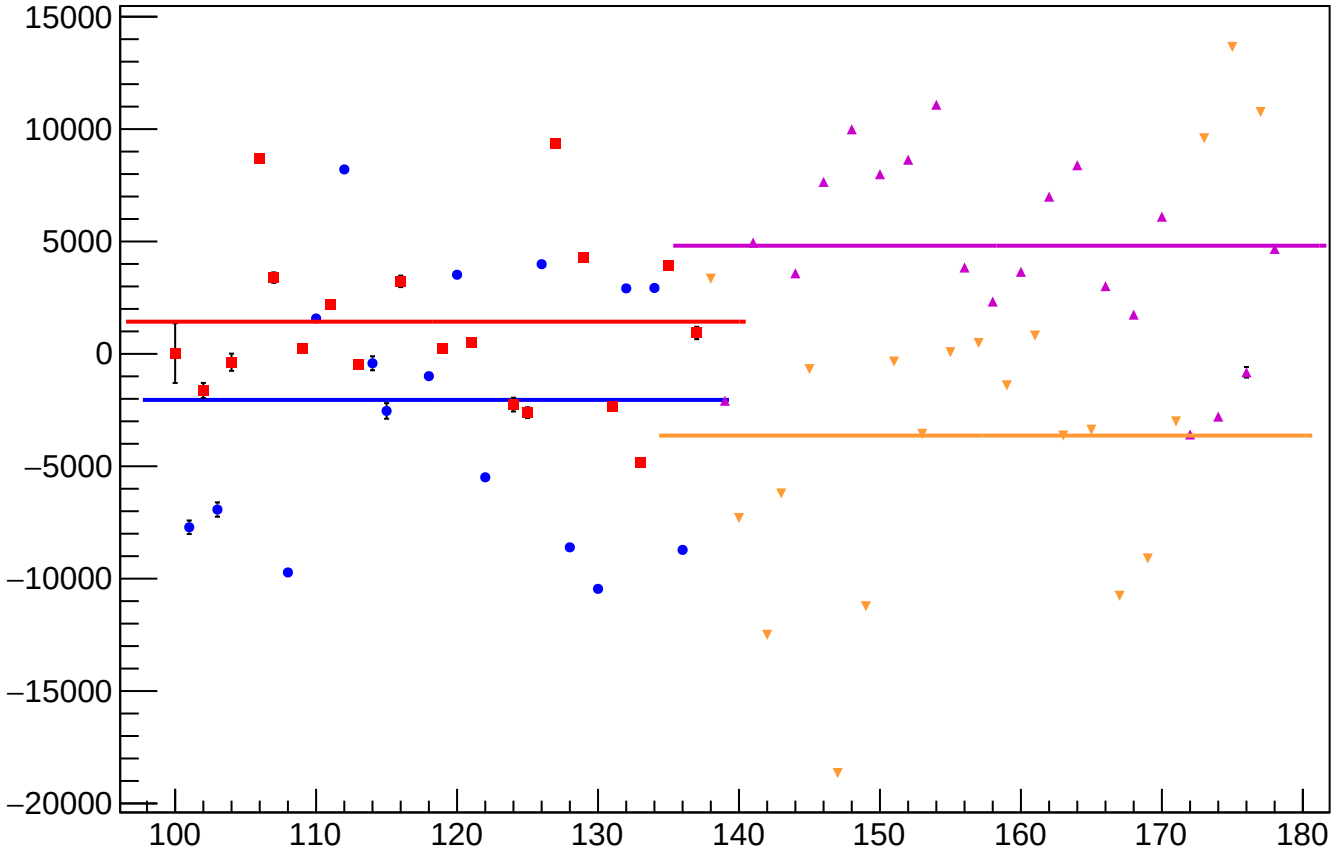
Left In: 222.594+/-0.040 χ^2/NDF:543257.1/19

+ sign 233.814+/-0.035 χ^2/NDF: 1245887.7/36

All: 225.986+/-0.024 χ^2/NDF: 2843561.4/75

- sign 218.998+/-0.033 χ^2/NDF: 1501015.9/38

asym_bpm1i02WS_mean vs Slug



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -3633.758+/-31.893 χ^2/NDF:51612.4/20

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

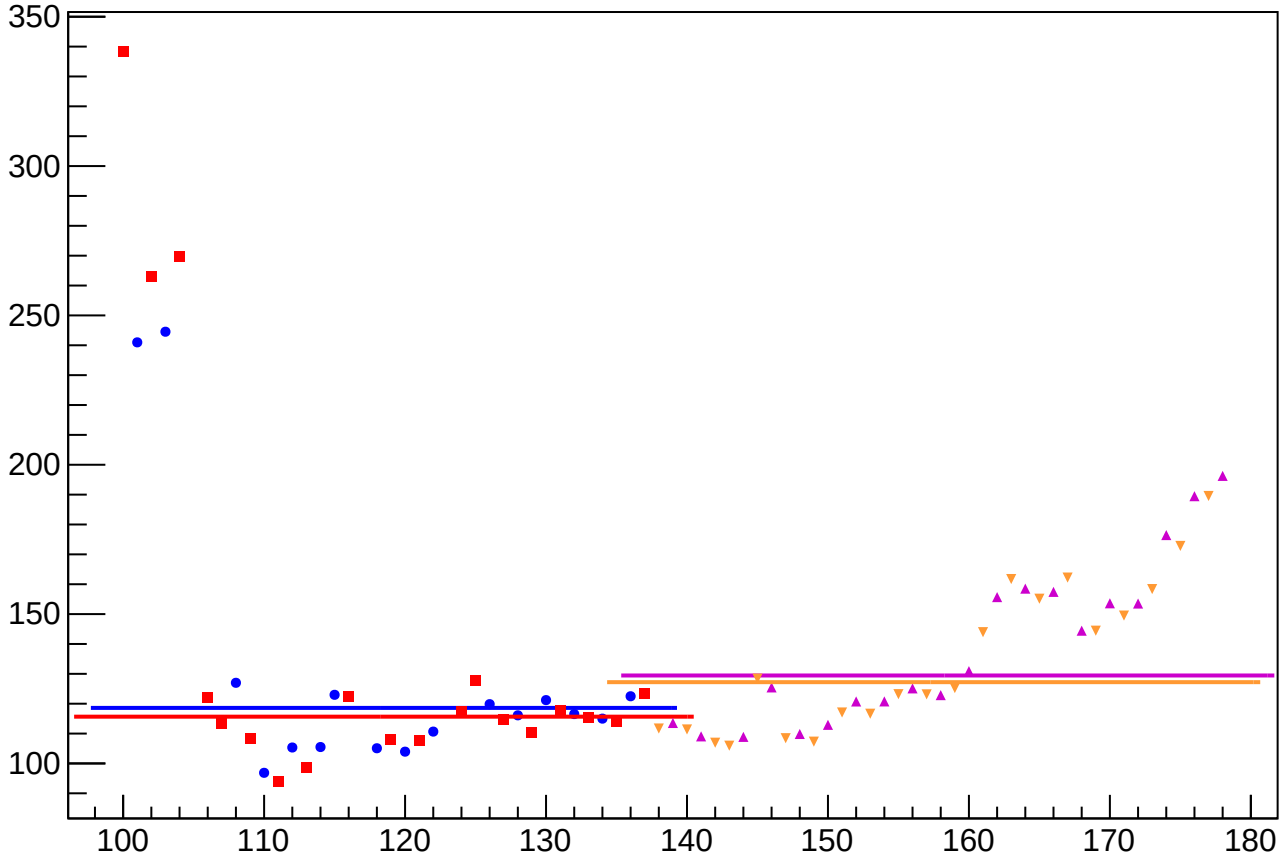
Left In: 4812.873+/-32.787 χ^2/NDF:15228.2/19

+ sign -3129.483+/-26.341 χ^2/NDF: 69108.1/36

All: 237.862+/-18.662 χ^2/NDF: 127250.1/75

- sign 3631.512+/-26.444 χ^2/NDF: 25330.3/38

asym_bpm1i02WS_rms vs Slug



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 127.212+/-0.023 χ^2/NDF:908470.2/20

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

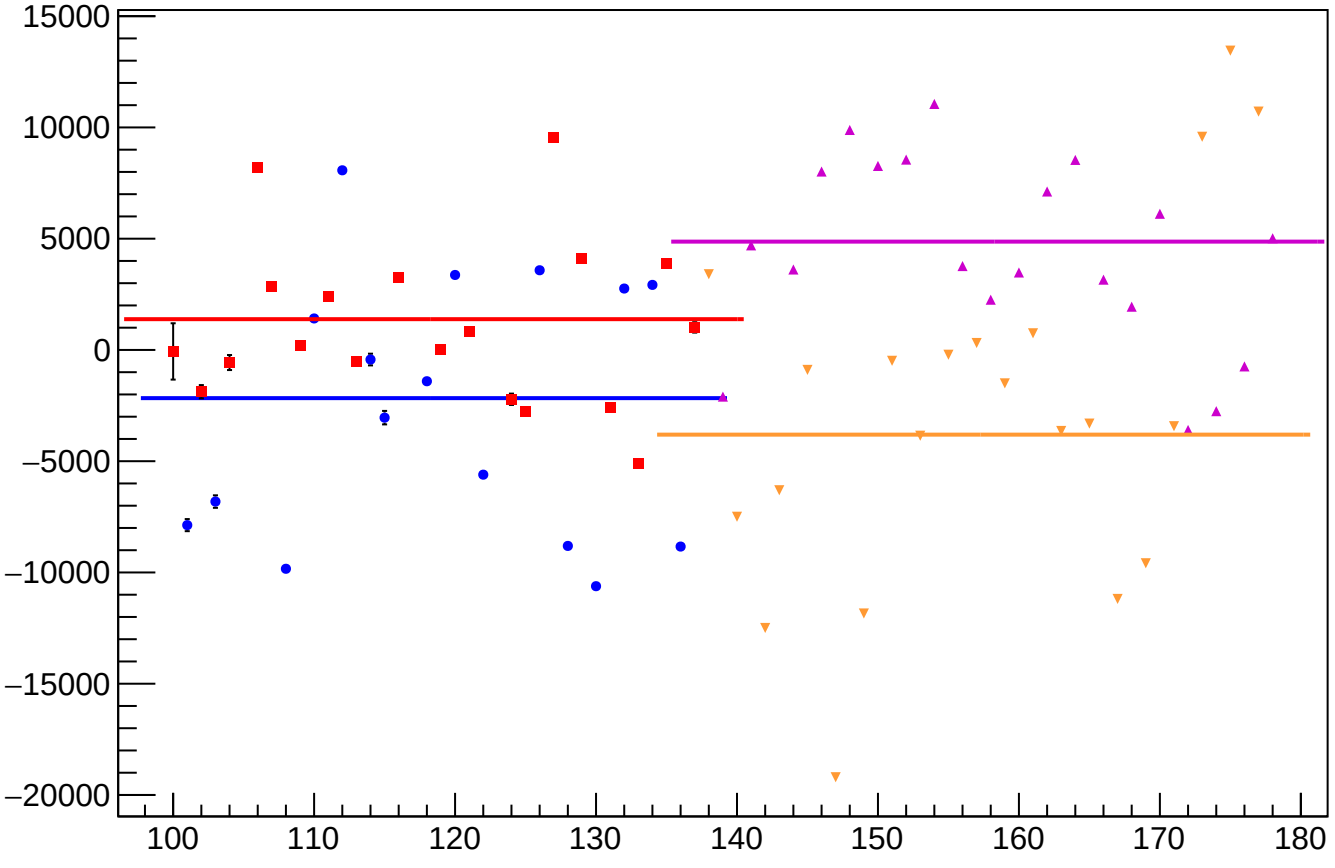
Left In: 129.447+/-0.023 χ^2/NDF:923521.6/19

+ sign 124.473+/-0.019 χ^2/NDF: 1689029.0/36

All: 124.551+/-0.013 χ^2/NDF: 3600409.3/75

- sign 124.628+/-0.019 χ^2/NDF: 1911345.9/38

asym_bpm1i04WS_mean vs Slug



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -3806.235+/-28.875 χ^2/NDF:60848.3/20

Right Out: 1383.103+/-37.976 χ^2/NDF: 9148.6/18

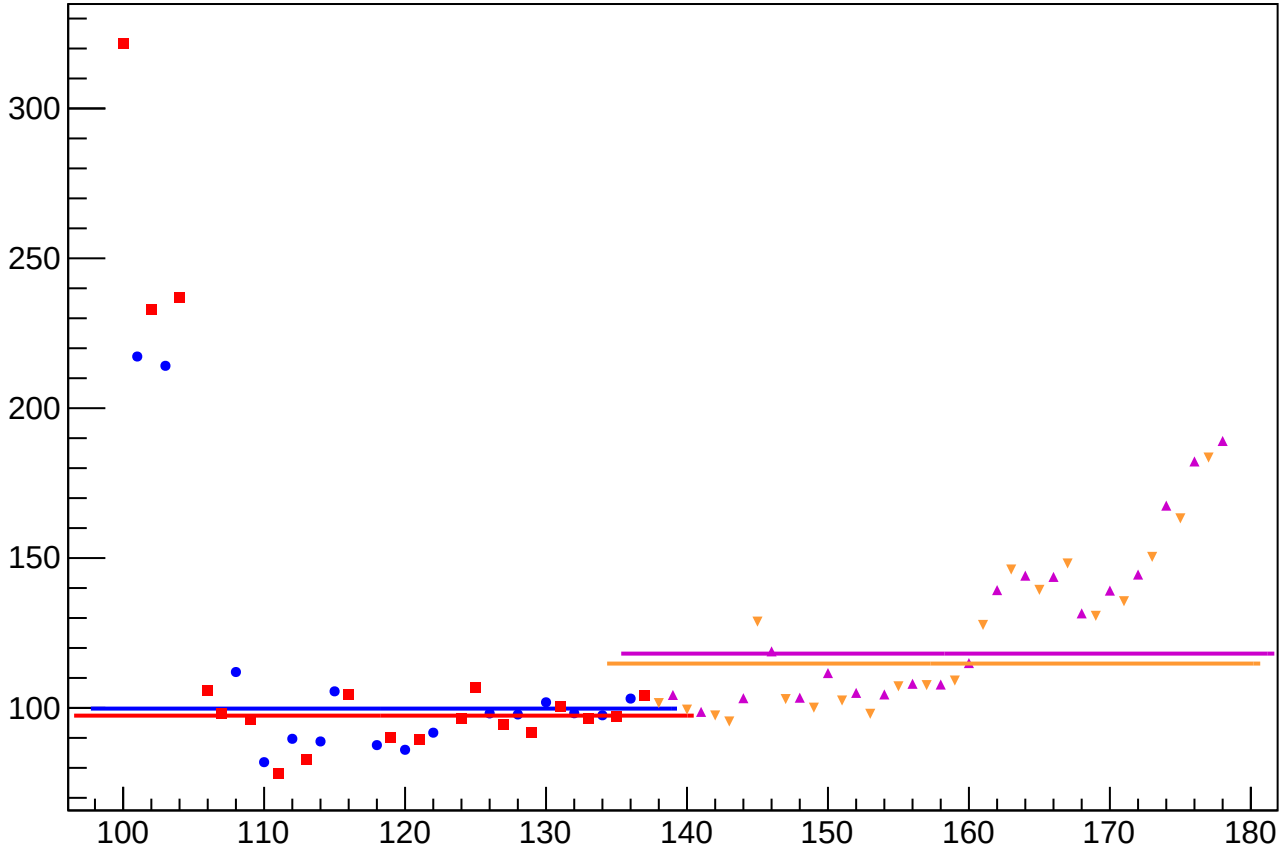
Left In: 4868.055+/-29.982 χ^2/NDF:18124.4/19

+ sign -3237.431+/-23.338 χ^2/NDF: 84842.2/36

All: 118.180+/-16.570 χ^2/NDF: 158997.2/75

- sign 3529.913+/-23.532 χ^2/NDF: 32460.8/38

asym_bpm1i04WS_rms vs Slug



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 114.798+/-0.020 χ^2/NDF:1050662.3/20

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

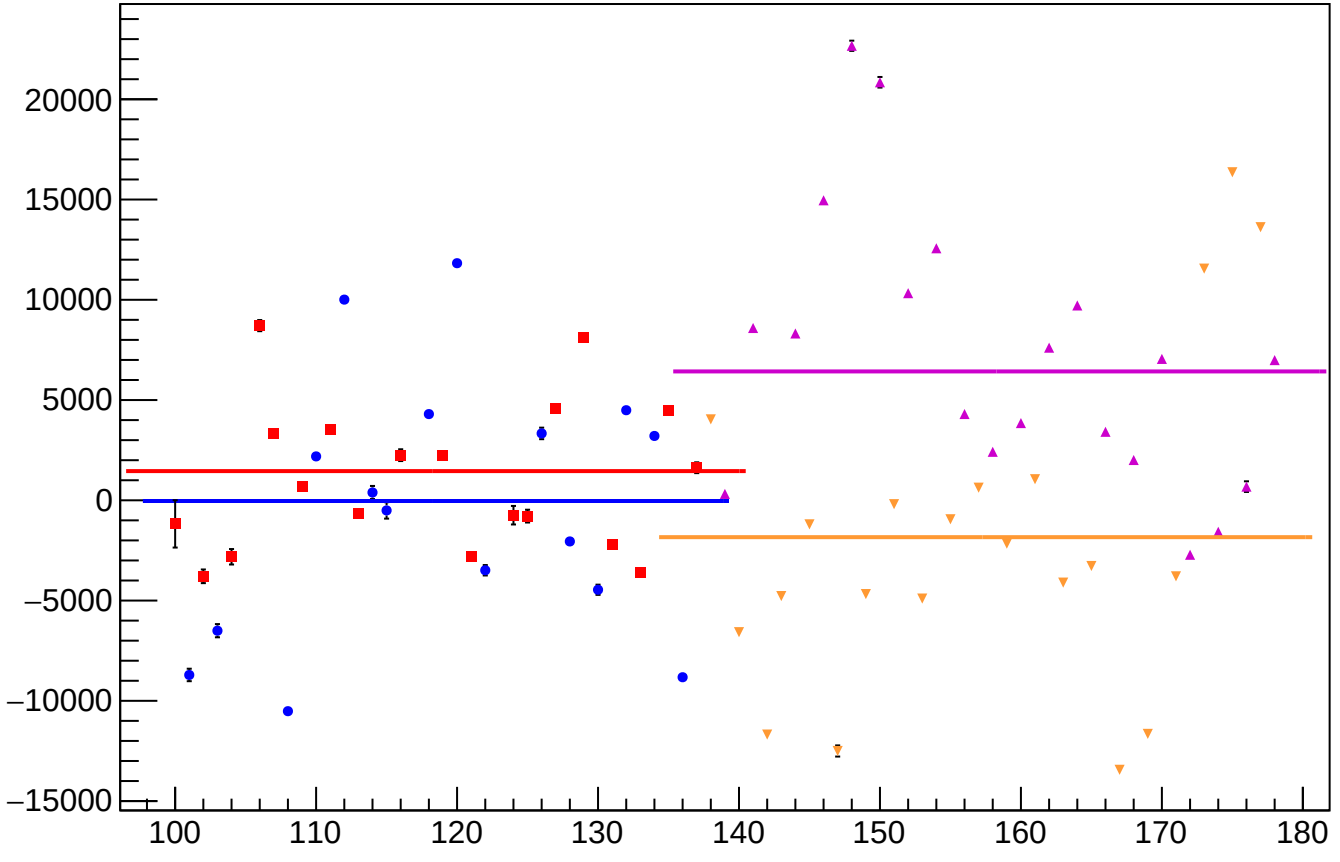
Left In: 118.120+/-0.021 χ^2/NDF:1006853.9/19

+ sign 109.588+/-0.017 χ^2/NDF: 2047543.2/36

All: 109.879+/-0.012 χ^2/NDF: 4346858.5/75

- sign 110.174+/-0.017 χ^2/NDF: 2298689.6/38

asym_bpm1i06WS_mean vs Slug



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -1838.182+/-39.941 χ^2/NDF:29324.6/20

Right Out: 1456.665+/-51.946 χ^2/NDF: 4117.0/18

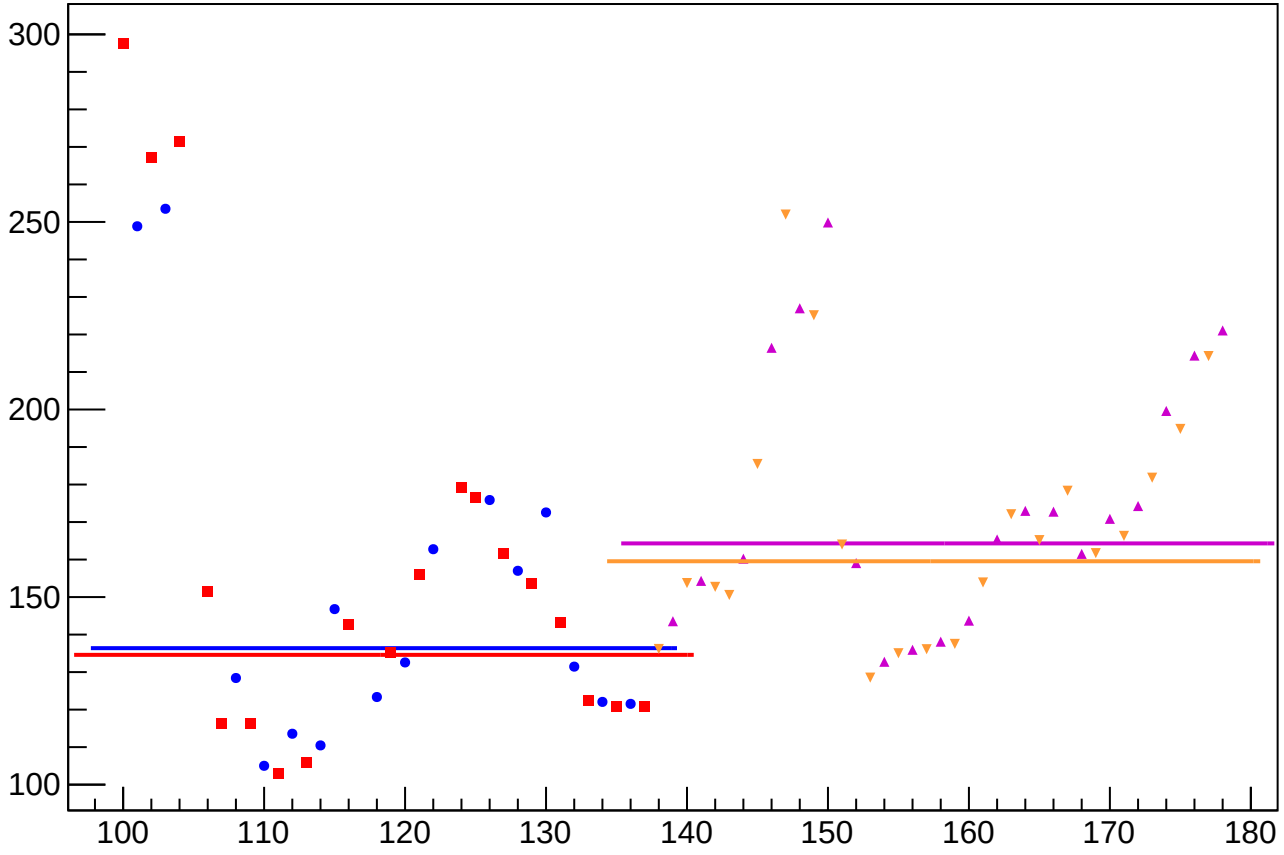
Left In: 6427.267+/-41.661 χ^2/NDF:18864.1/19

+ sign -1192.190+/-31.998 χ^2/NDF: 46857.7/36

All: 1600.586+/-22.801 χ^2/NDF: 90887.0/75

- sign 4481.599+/-32.500 χ^2/NDF: 28553.3/38

asym_bpm1i06WS_rms vs Slug



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 159.549+/-0.028 χ^2/NDF:906165.8/20

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

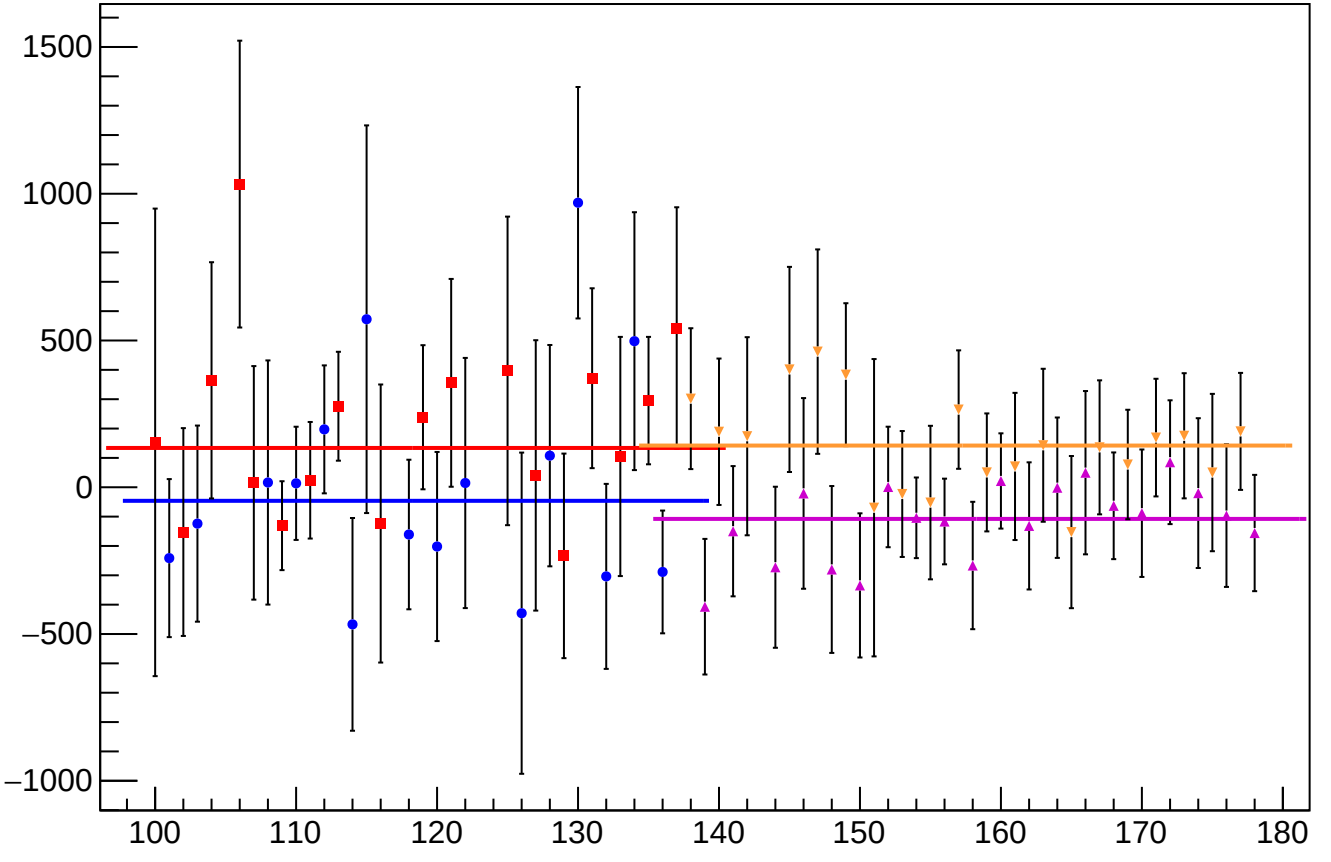
Left In: 164.307+/-0.029 χ^2/NDF:985233.0/19

+ sign 151.252+/-0.023 χ^2/NDF: 1944009.2/36

All: 151.954+/-0.016 χ^2/NDF: 4248923.7/75

- sign 152.678+/-0.023 χ^2/NDF: 2302957.5/38

asym_bcm_2an_us_an_ds_avg_mean vs Slug



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 142.097+/-53.874 χ^2/NDF:6.5/19

Right Out: 133.913+/-68.414 χ^2/NDF: 12.8/17

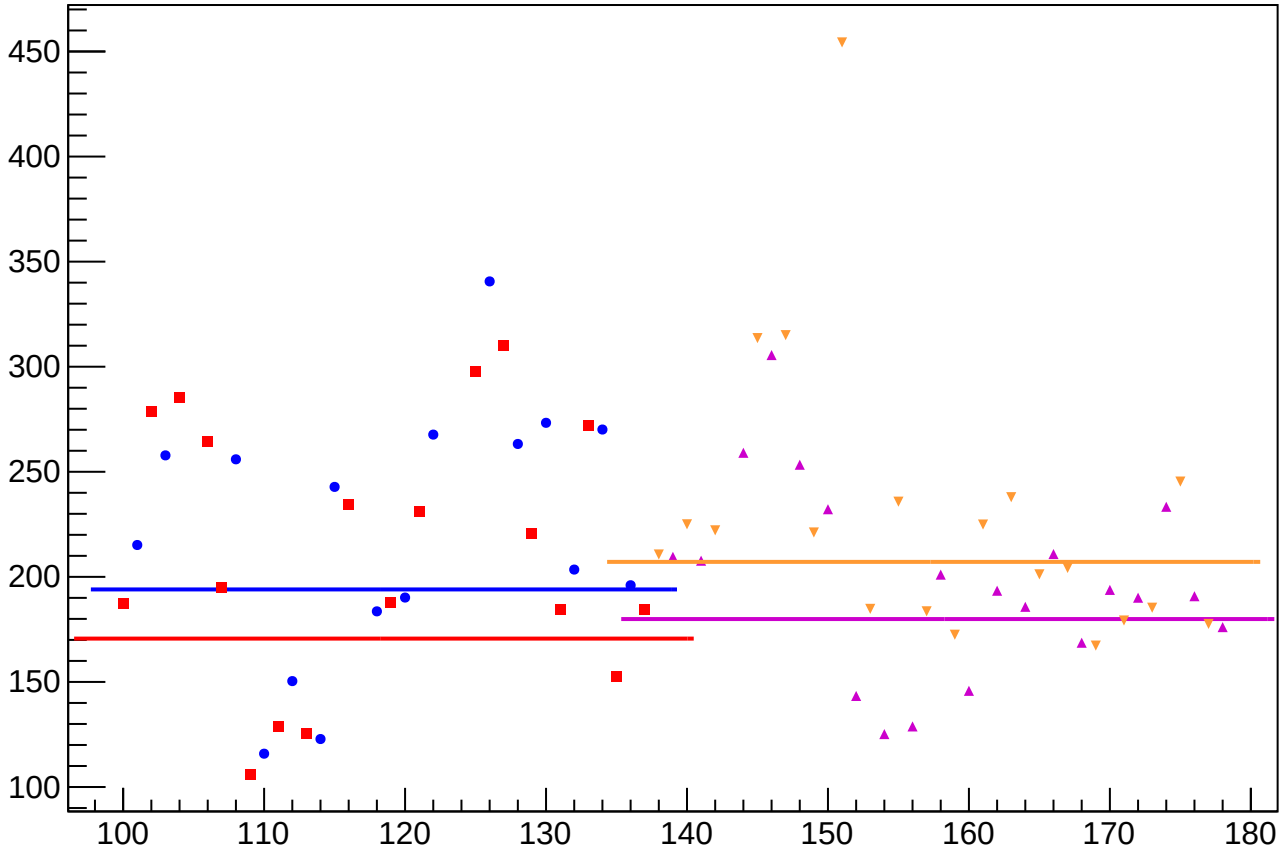
Left In: -107.826+/-46.773 χ^2/NDF:6.4/19

+ sign 79.434+/-44.006 χ^2/NDF: 26.0/35

All: 17.136+/-29.023 χ^2/NDF: 57.3/73

- sign -30.825+/-38.611 χ^2/NDF: 27.8/37

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 207.129+/-0.038 χ^2/NDF:1282408.4/19

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

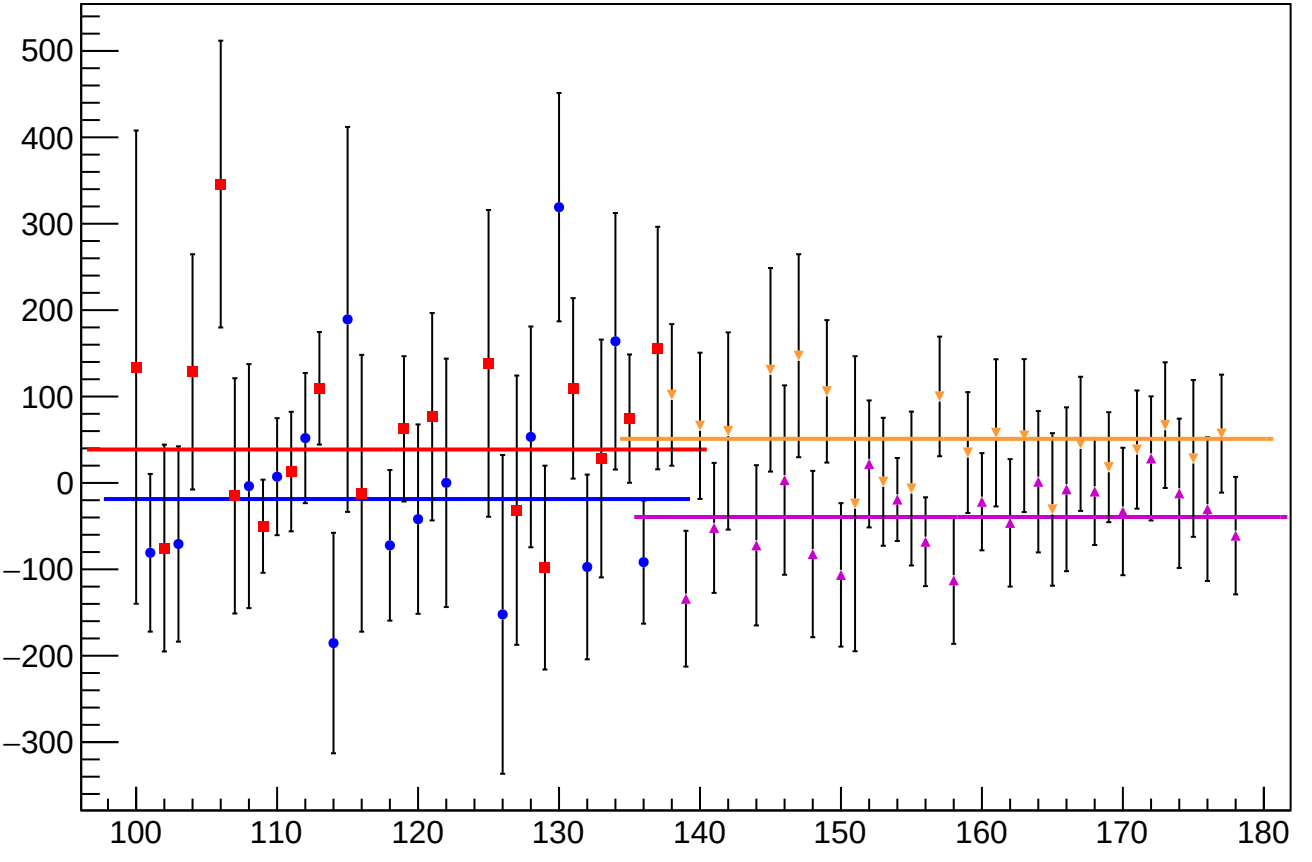
Left In: 179.922+/-0.033 χ^2/NDF:1634122.8/19

+ sign 202.766+/-0.031 χ^2/NDF: 2365425.0/35

All: 188.185+/-0.021 χ^2/NDF: 6007050.9/73

- sign 176.960+/-0.027 χ^2/NDF: 3253035.2/37

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 51.056+/-18.386 χ^2/NDF:4.9/19

Right Out: 38.716+/-23.652 χ^2/NDF: 12.6/17

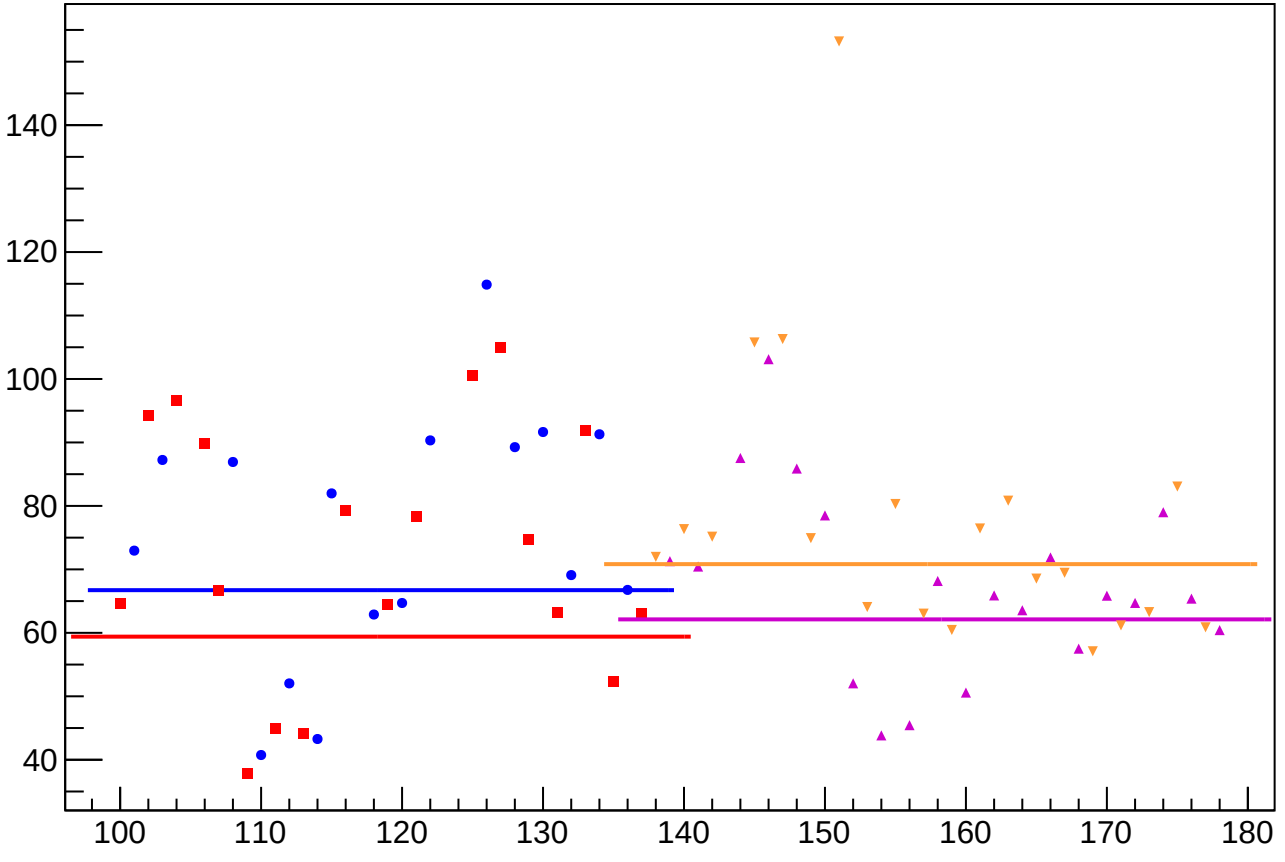
Left In: -39.428+/-16.082 χ^2/NDF:6.6/19

+ sign 27.966+/-15.035 χ^2/NDF: 24.9/35

All: 4.015+/-9.961 χ^2/NDF: 56.1/73

- sign -14.723+/-13.299 χ^2/NDF: 26.7/37

asym_bcm_2an_us_an_ds_dd_rms vs Slug



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 70.826+/-0.013 χ^2/NDF:1218473.3/19

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

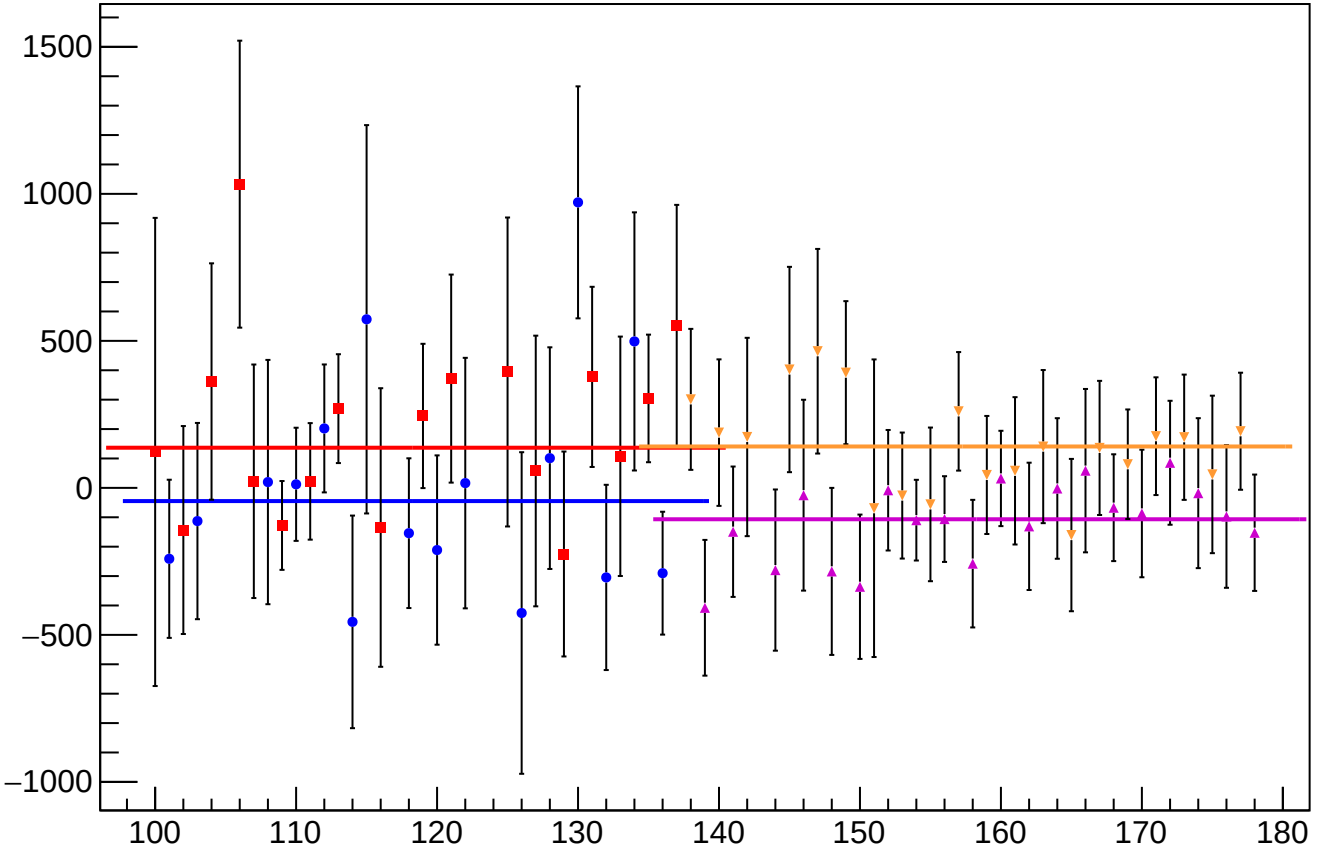
Left In: 62.120+/-0.011 χ^2/NDF:1443704.1/19

+ sign 69.467+/-0.011 χ^2/NDF: 2198481.6/35

All: 64.863+/-0.007 χ^2/NDF: 5439950.2/73

- sign 61.260+/-0.009 χ^2/NDF: 2907159.9/37

asym_bcm_an_us_an_ds_avg_mean vs Slug



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 140.770+/-53.828 χ^2/NDF:6.7/19

Right Out: 136.579+/-68.322 χ^2/NDF: 12.9/17

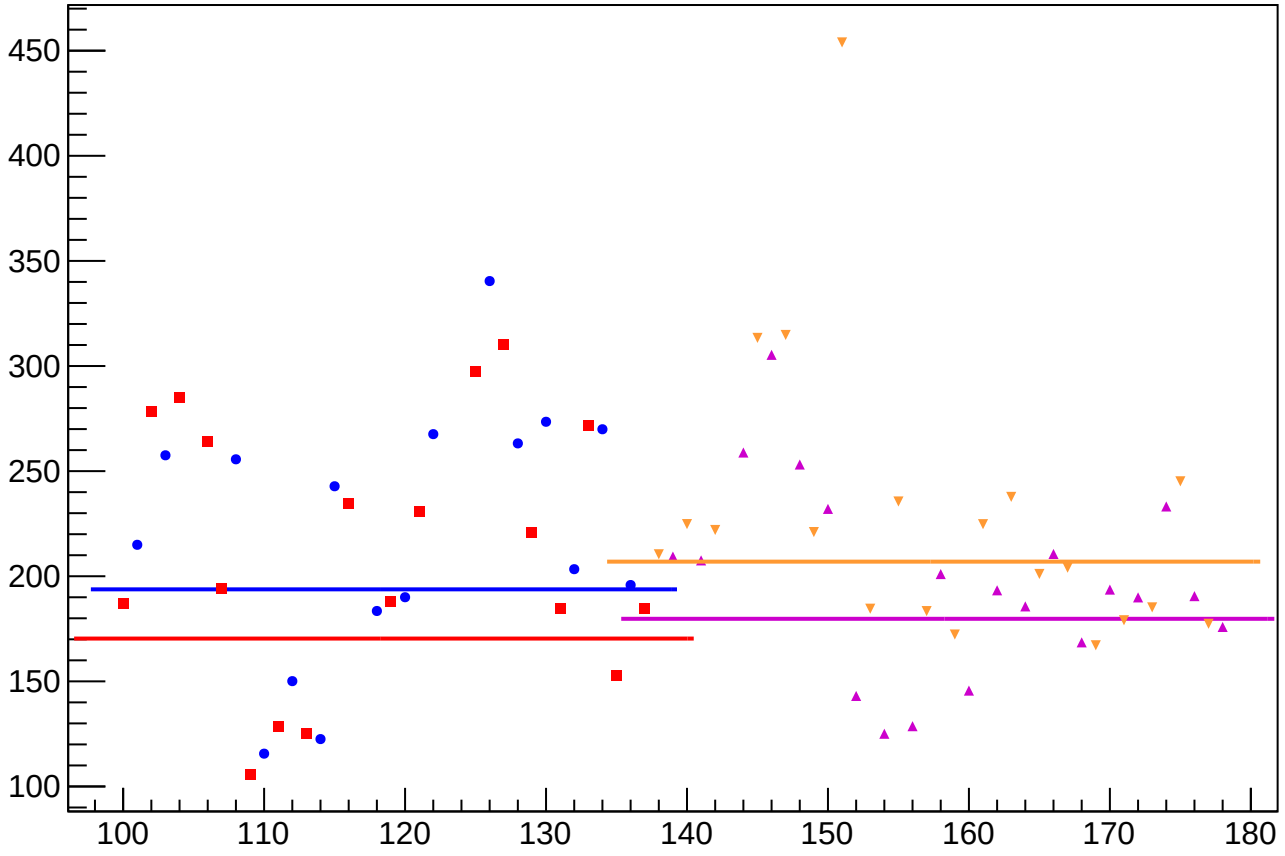
Left In: -106.754+/-46.732 χ^2/NDF:6.5/19

+ sign 78.954+/-43.965 χ^2/NDF: 26.2/35

All: 17.842+/-28.995 χ^2/NDF: 57.6/73

- sign -29.198+/-38.572 χ^2/NDF: 28.0/37

asym_bcm_an_us_an_ds_avg_rms vs Slug



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 206.949+/-0.038 χ^2/NDF:1283275.9/19

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

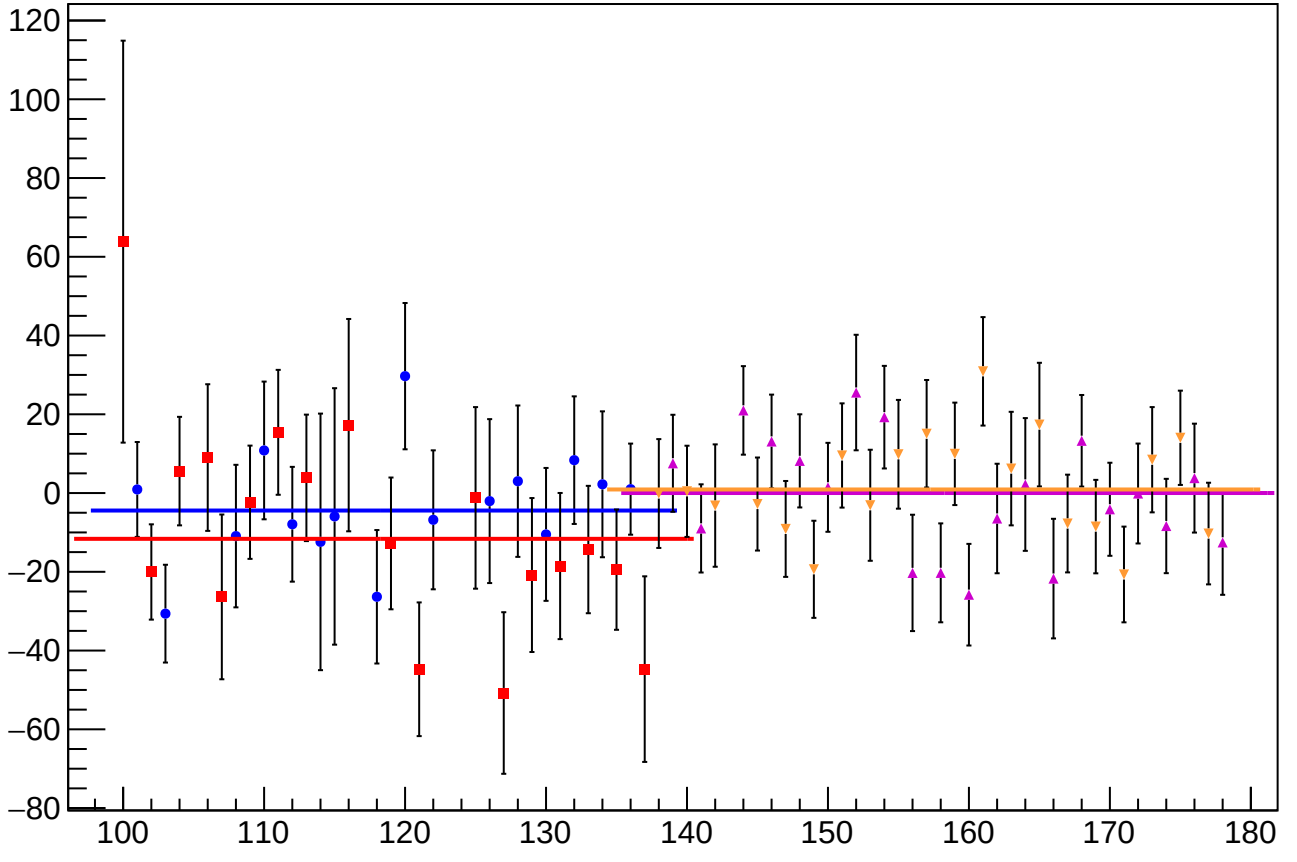
Left In: 179.756+/-0.033 χ^2/NDF:1636308.6/19

+ sign 202.561+/-0.031 χ^2/NDF: 2371294.3/35

All: 187.982+/-0.021 χ^2/NDF: 6021606.9/73

- sign 176.760+/-0.027 χ^2/NDF: 3261114.8/37

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 0.909+/-2.915 χ^2/NDF:18.6/19

Right Out: -11.627+/-4.137 χ^2/NDF: 21.6/17

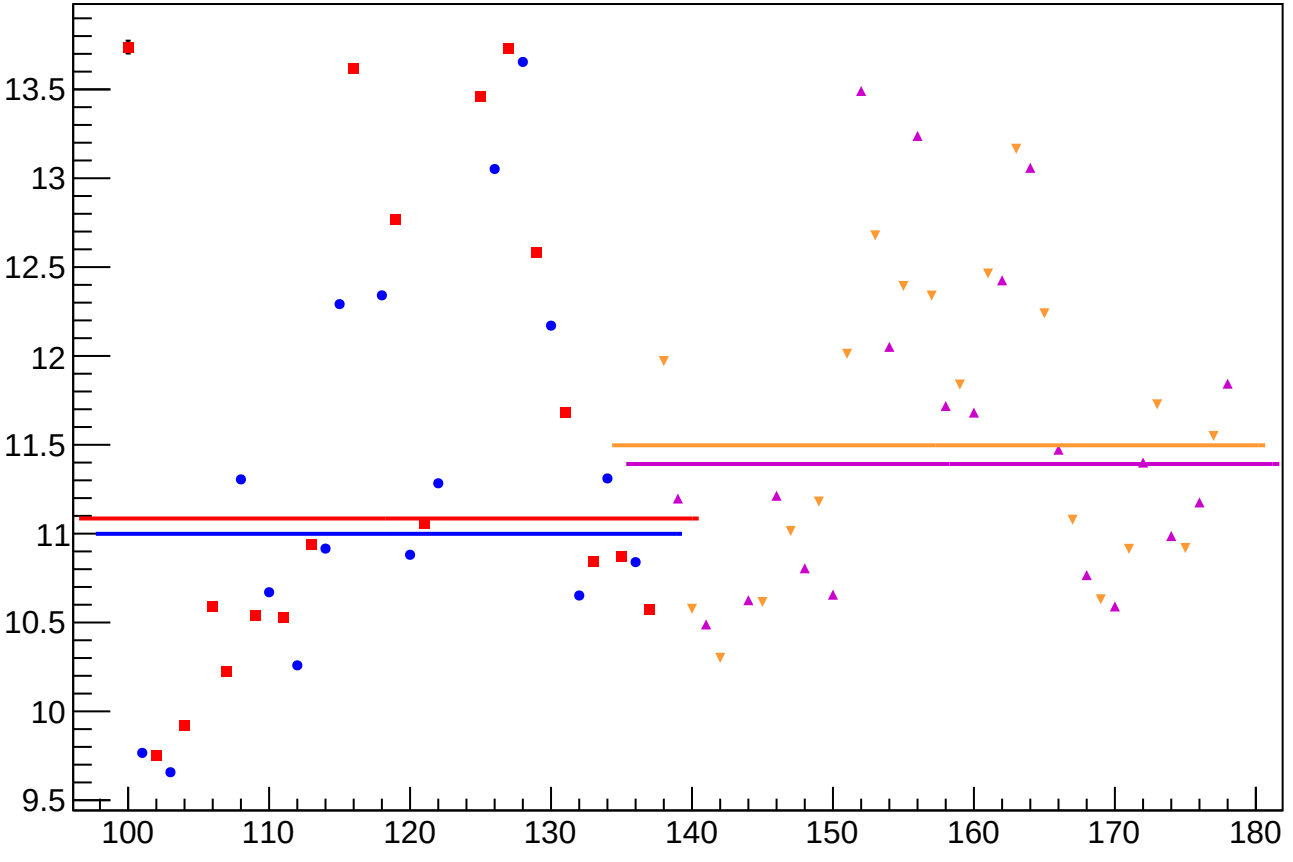
Left In: 0.009+/-2.844 χ^2/NDF:25.1/19

+ sign -0.869+/-2.382 χ^2/NDF: 31.7/35

All: -2.321+/-1.671 χ^2/NDF: 84.5/73

- sign -3.726+/-2.344 χ^2/NDF: 52.1/37

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.497+/-0.002 χ^2/NDF:140881.0/19

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

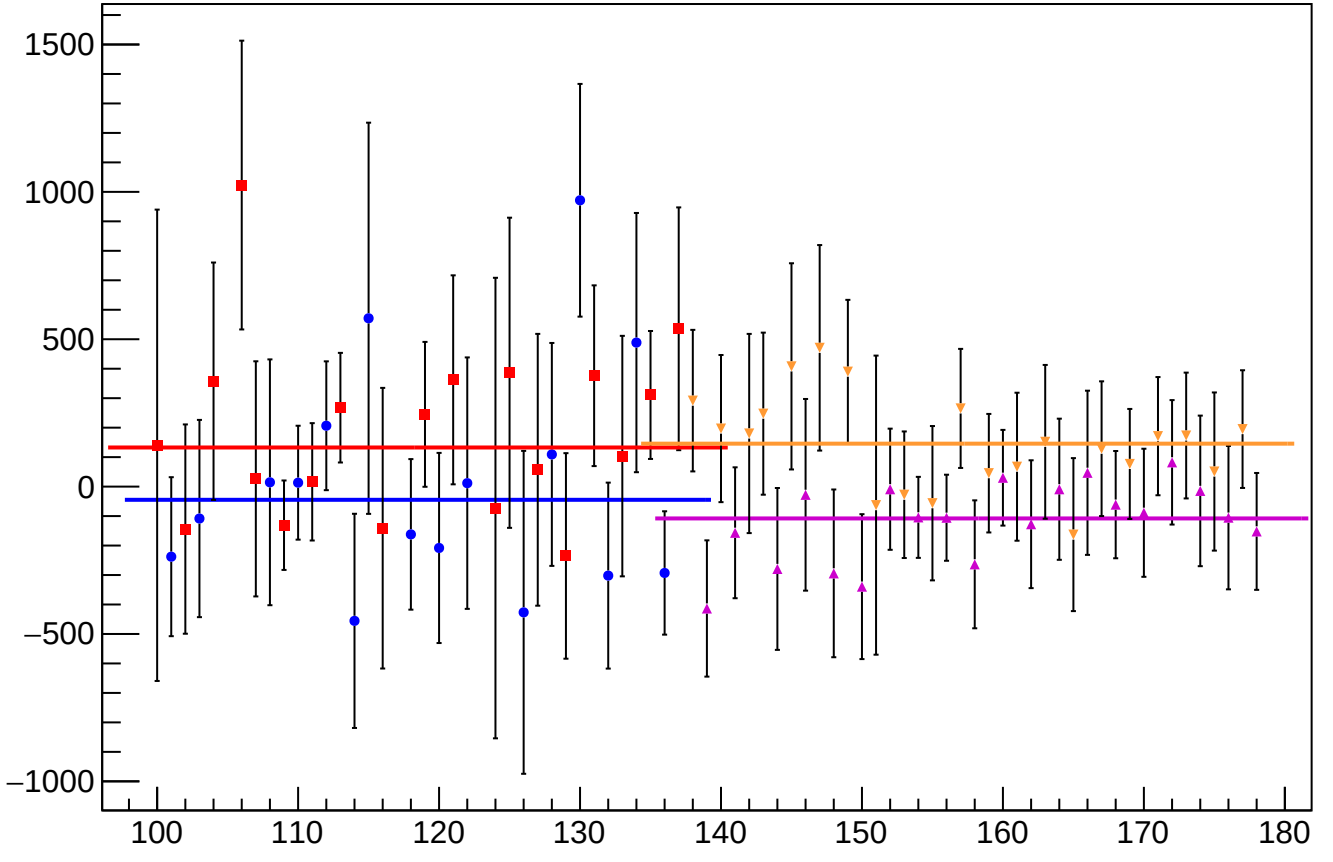
Left In: 11.392+/-0.002 χ^2/NDF:167034.3/19

+ sign 11.332+/-0.002 χ^2/NDF: 296463.5/35

All: 11.312+/-0.001 χ^2/NDF: 633425.3/73

- sign 11.294+/-0.002 χ^2/NDF: 336701.6/37

asym_bcm_an_us_an_ds3_avg_mean vs Slug



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 145.713+/-52.920 χ^2/NDF:6.9/20

Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

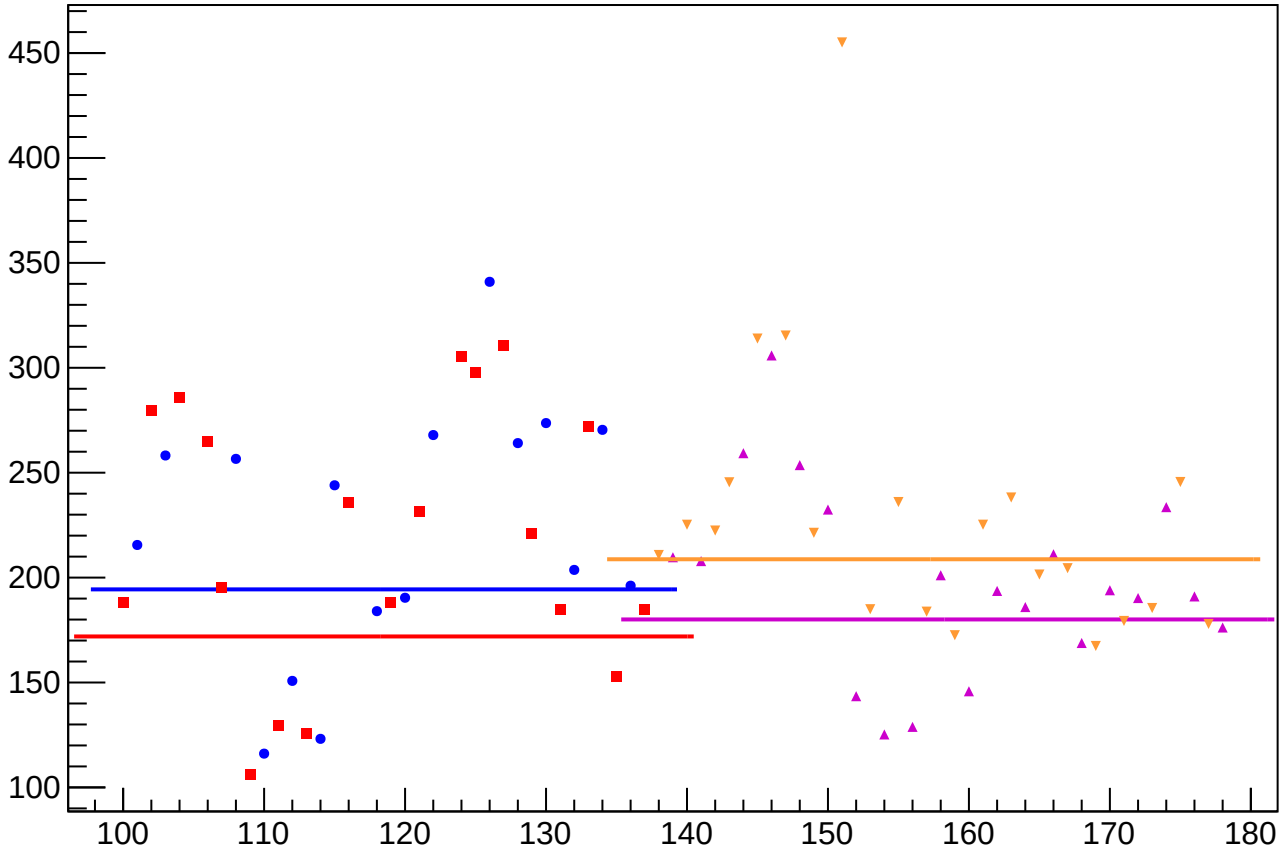
Left In: -108.004+/-46.810 χ^2/NDF:6.6/19

+ sign 83.969+/-43.507 χ^2/NDF: 26.5/36

All: 19.636+/-28.877 χ^2/NDF: 58.3/75

- sign -31.020+/-38.607 χ^2/NDF: 27.9/38

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 208.742+/-0.037 χ^2/NDF:1320607.9/20

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

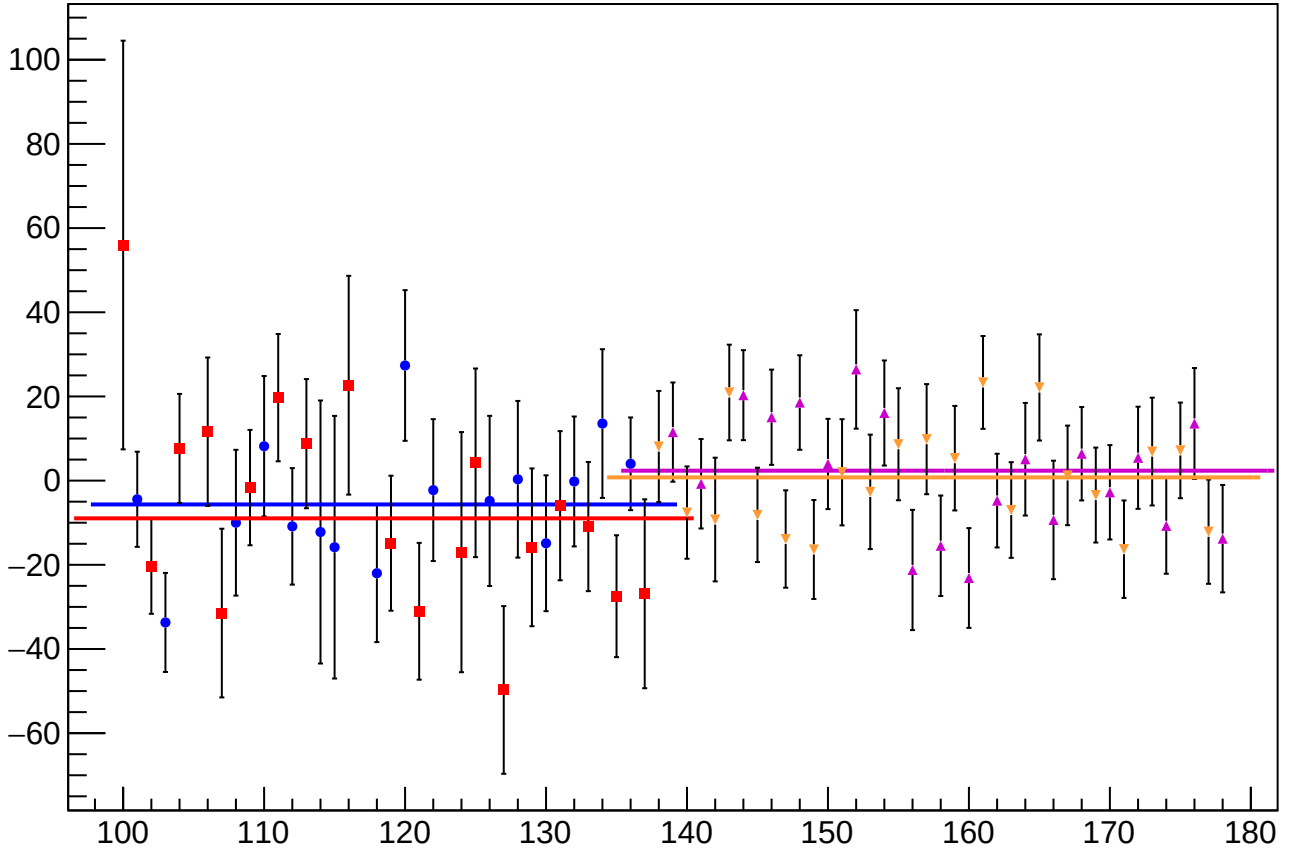
Left In: 180.055+/-0.033 χ^2/NDF:1636835.8/19

+ sign 204.089+/-0.031 χ^2/NDF: 2410337.8/36

All: 189.192+/-0.020 χ^2/NDF: 6136776.3/75

- sign 177.463+/-0.027 χ^2/NDF: 3307360.1/38

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 0.771+/-2.637 χ^2/NDF:21.4/20

Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

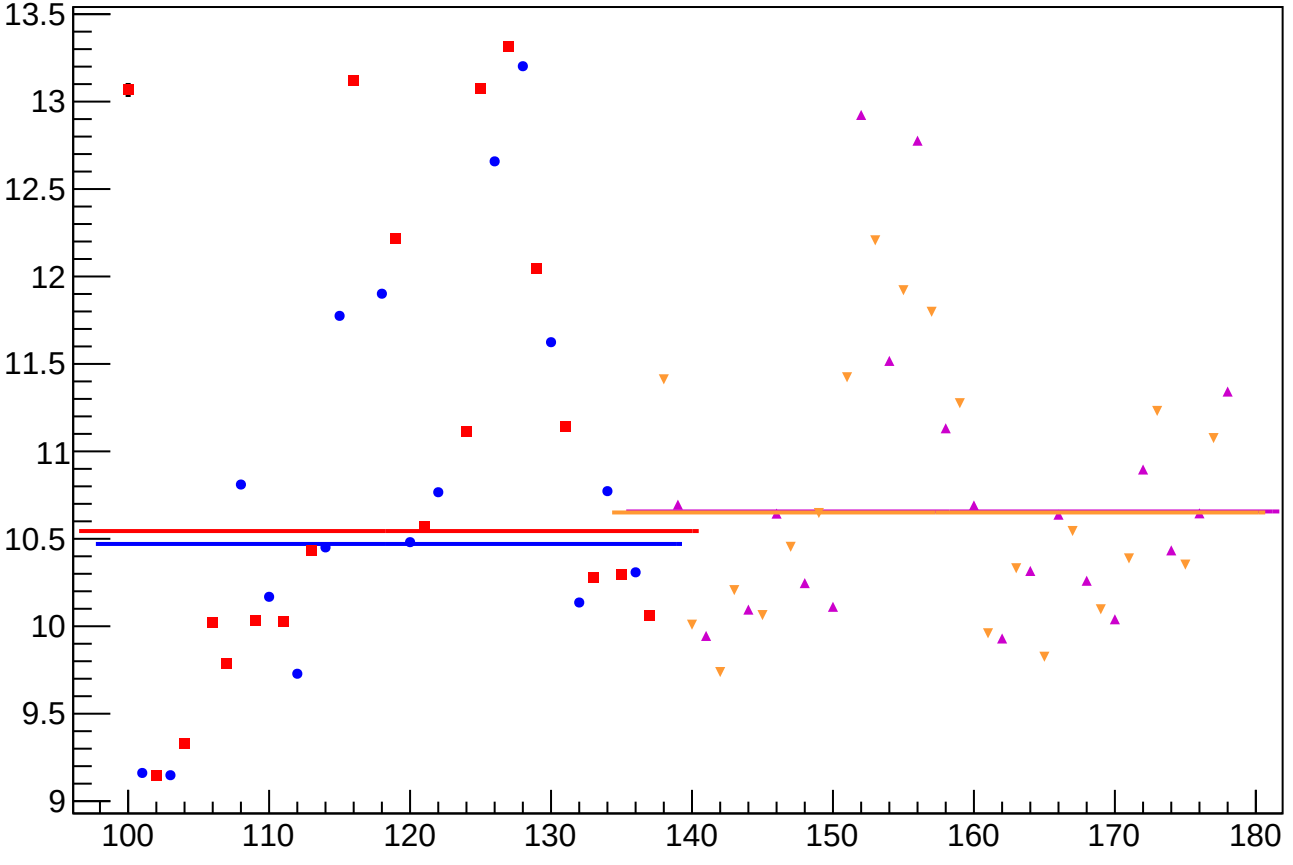
Left In: 2.363+/-2.664 χ^2/NDF:25.8/19

+ sign -1.218+/-2.191 χ^2/NDF: 36.9/36

All: -1.228+/-1.552 χ^2/NDF: 91.2/75

- sign -1.238+/-2.200 χ^2/NDF: 54.3/38

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.651+/-0.002 χ^2/NDF:134533.3/20

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

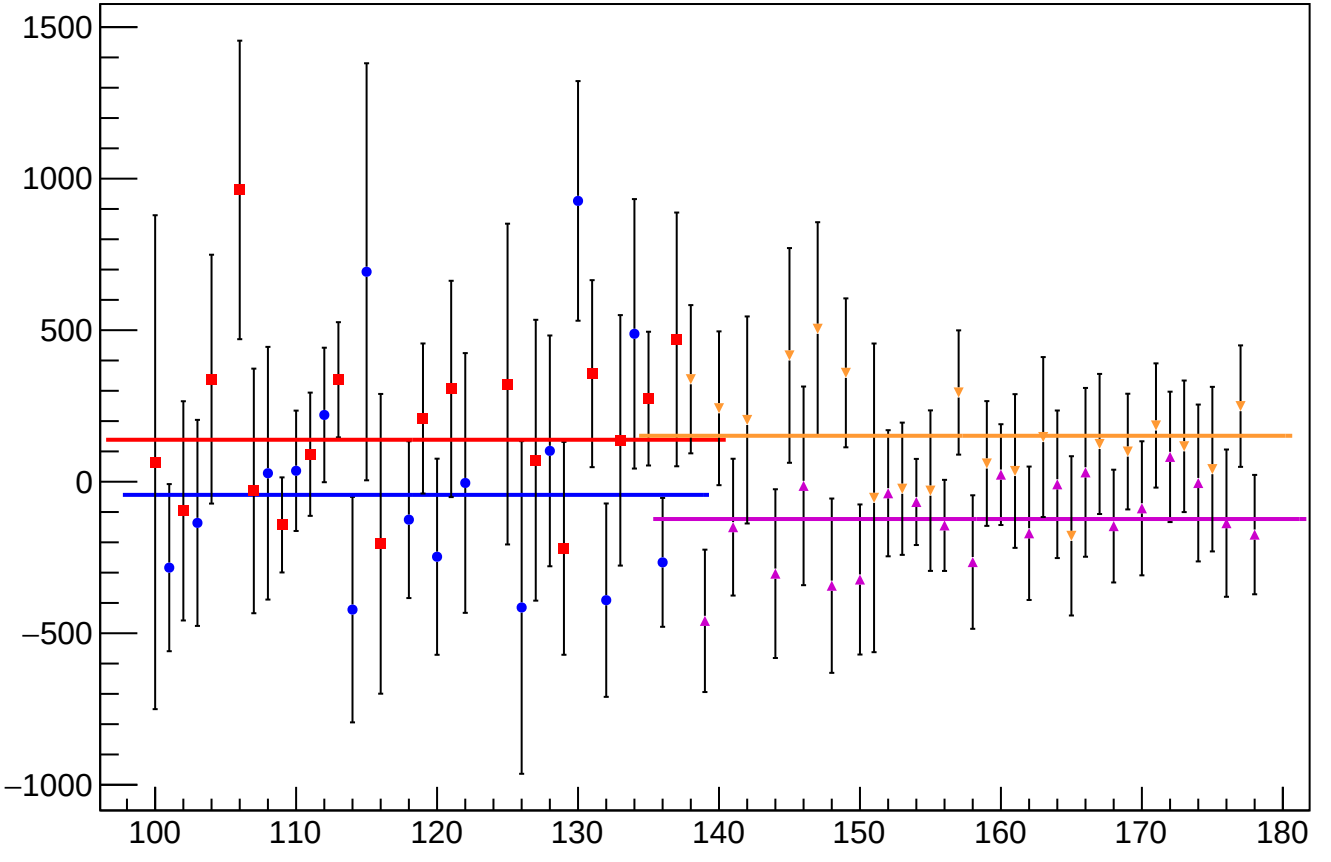
Left In: 10.656+/-0.002 χ^2/NDF:156706.1/19

+ sign 10.595+/-0.002 χ^2/NDF: 294783.2/36

All: 10.608+/-0.001 χ^2/NDF: 639534.6/75

- sign 10.621+/-0.002 χ^2/NDF: 344612.4/38

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 151.611+/-54.717 χ^2/NDF:7.3/19

Right Out: 138.455+/-69.833 χ^2/NDF: 11.5/17

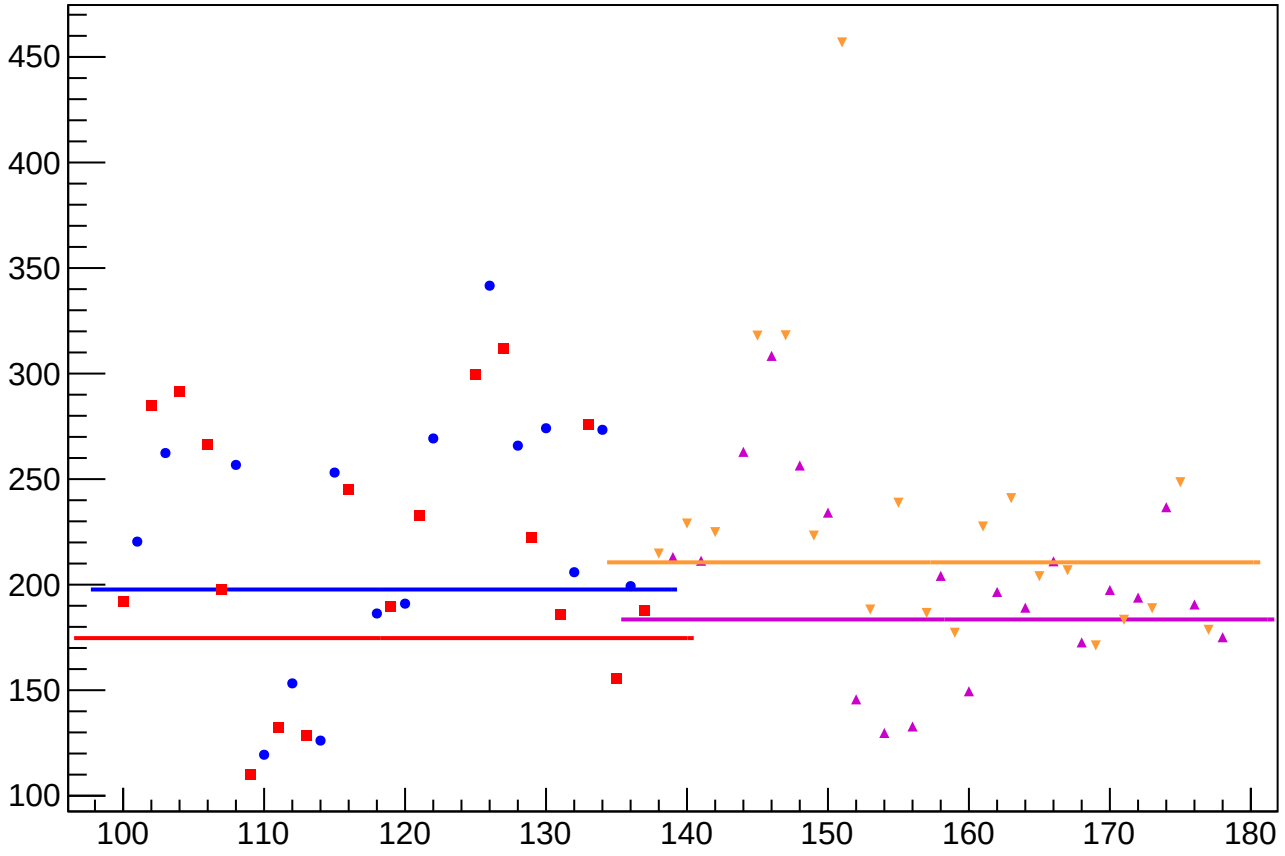
Left In: -123.077+/-47.618 χ^2/NDF:7.2/19

+ sign 86.838+/-44.715 χ^2/NDF: 27.0/35

All: 15.306+/-29.537 χ^2/NDF: 59.7/73

- sign -40.068+/-39.342 χ^2/NDF: 28.2/37

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 210.581+/-0.039 χ^2/NDF:1249921.4/19

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

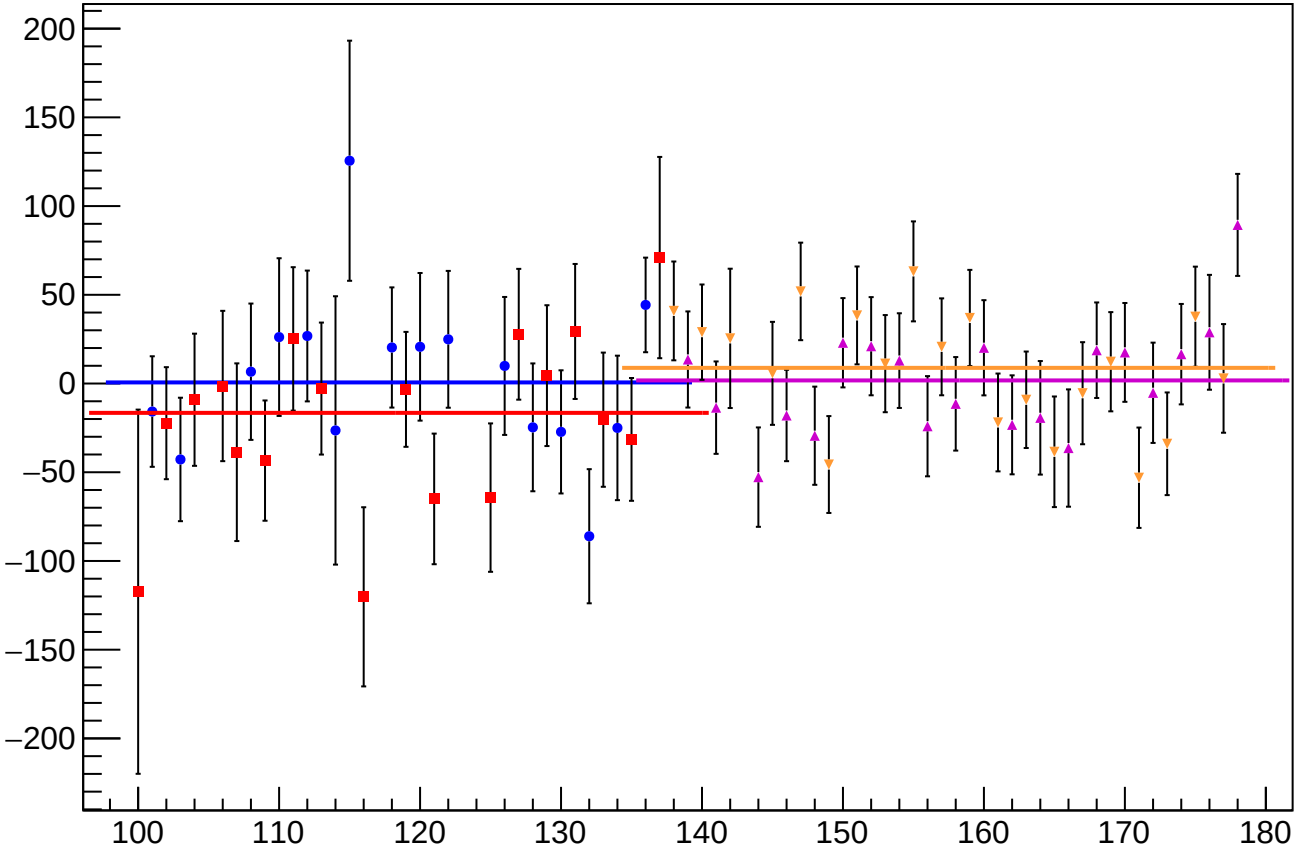
Left In: 183.516+/-0.034 χ^2/NDF:1545520.3/19

+ sign 206.305+/-0.032 χ^2/NDF: 2287021.2/35

All: 191.879+/-0.021 χ^2/NDF: 5758470.8/73

- sign 180.711+/-0.028 χ^2/NDF: 3102132.1/37

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 8.828+/-6.357 χ^2/NDF:27.0/19

Right Out: -16.534+/-9.307 χ^2/NDF: 16.4/17

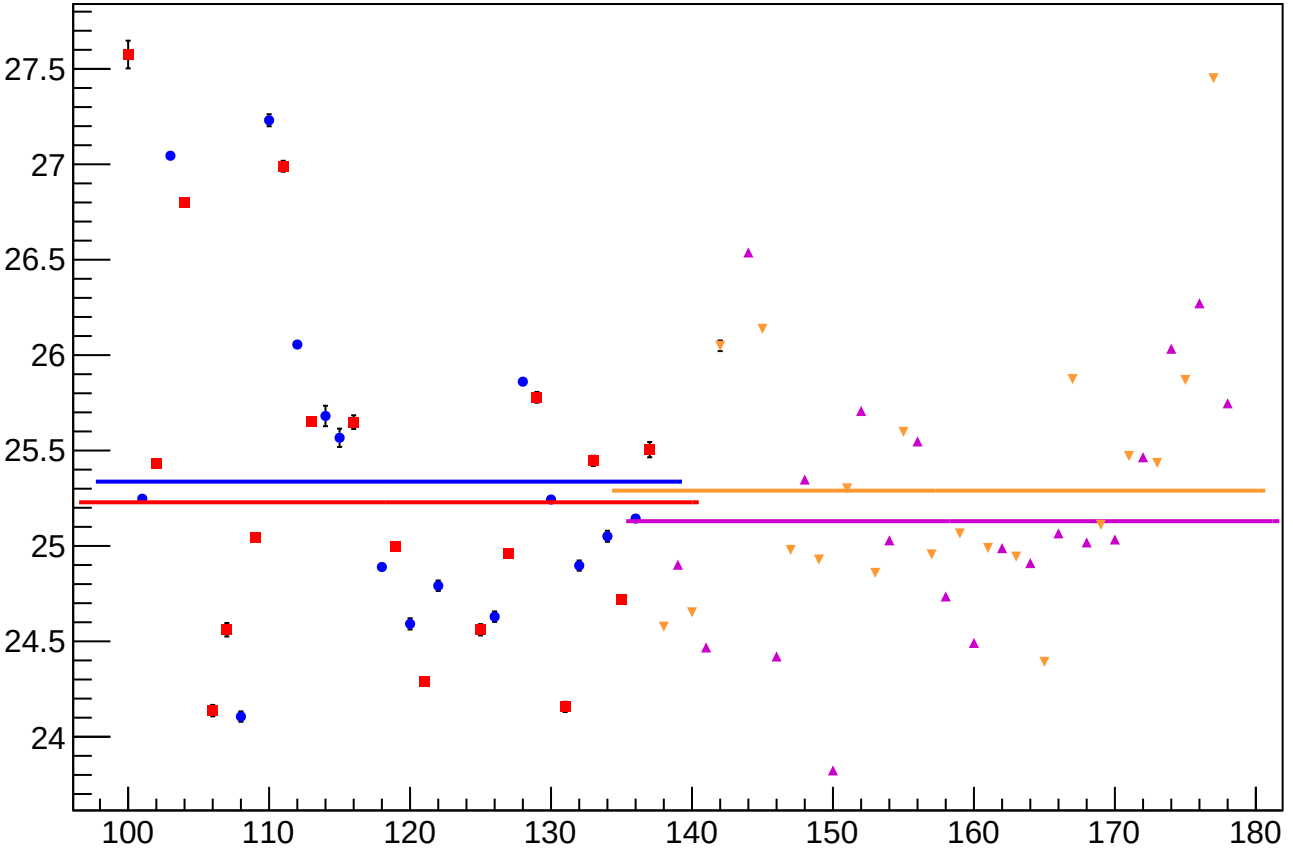
Left In: 1.747+/-6.224 χ^2/NDF:22.7/19

+ sign 6.260+/-5.270 χ^2/NDF: 44.2/35

All: 1.086+/-3.692 χ^2/NDF: 87.9/73

- sign -3.902+/-5.174 χ^2/NDF: 41.8/37

asym_bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.290+/-0.004 χ^2/NDF:20743.5/19

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

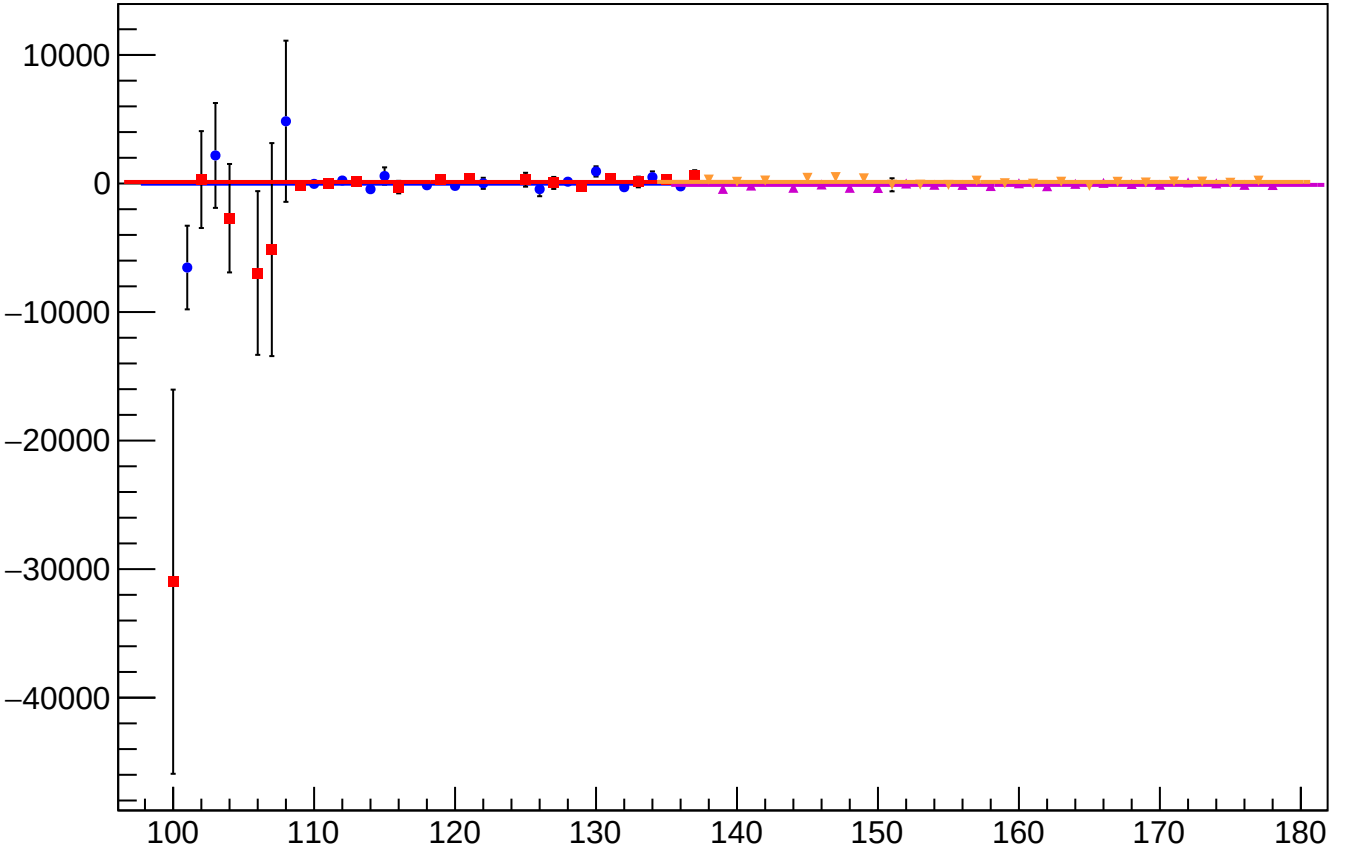
Left In: 25.130+/-0.004 χ^2/NDF:22381.3/19

+ sign 25.305+/-0.004 χ^2/NDF: 35093.0/35

All: 25.231+/-0.003 χ^2/NDF: 73569.4/73

- sign 25.160+/-0.004 χ^2/NDF: 37713.8/37

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 123.296+/-54.749 χ^2/NDF:8.2/19

Right Out: 119.984+/-78.247 χ^2/NDF: 14.4/17

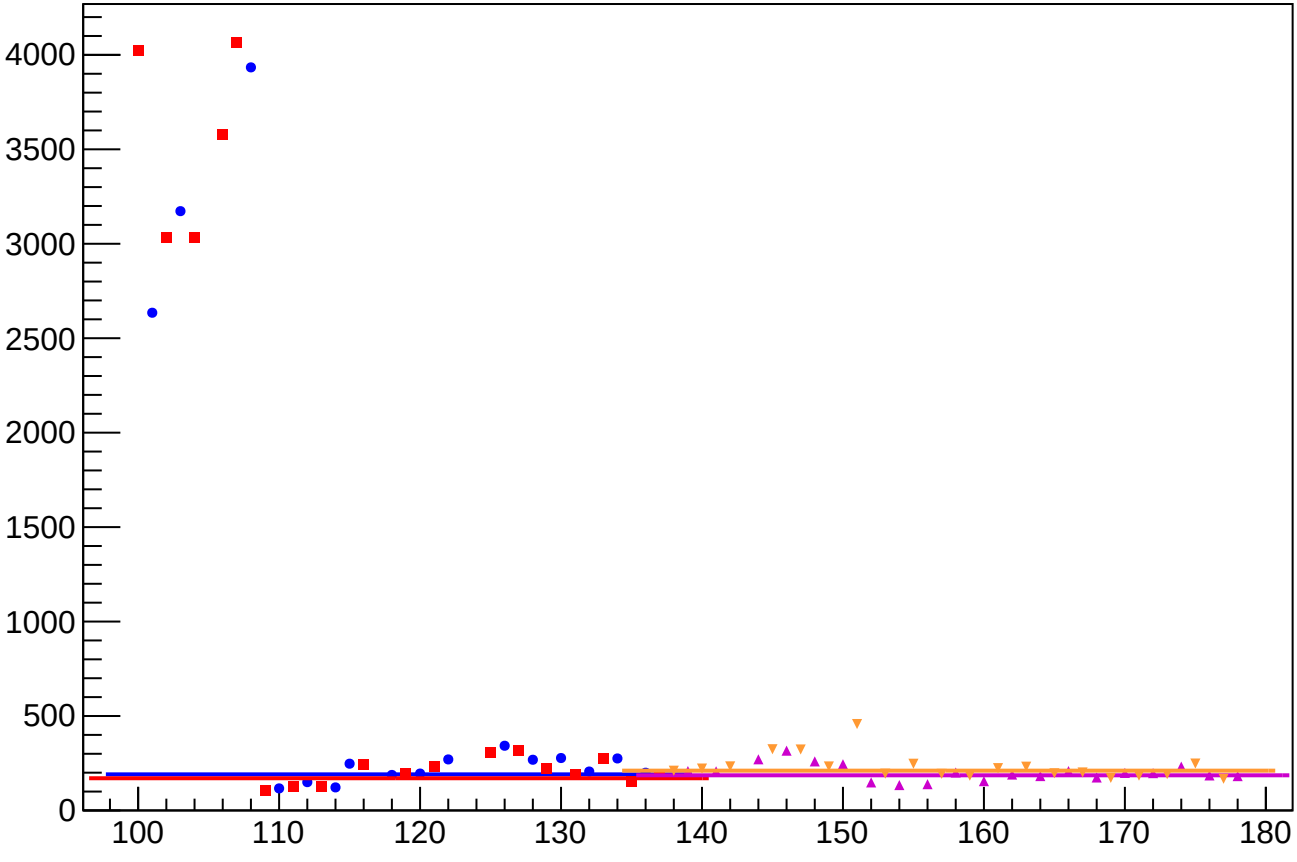
Left In: -108.033+/-48.170 χ^2/NDF:6.7/19

+ sign 82.919+/-45.940 χ^2/NDF: 28.3/35

All: 11.540+/-30.598 χ^2/NDF: 60.0/73

- sign -45.369+/-41.020 χ^2/NDF: 27.3/37

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 210.682+/-0.039 χ^2/NDF:1281024.1/19

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

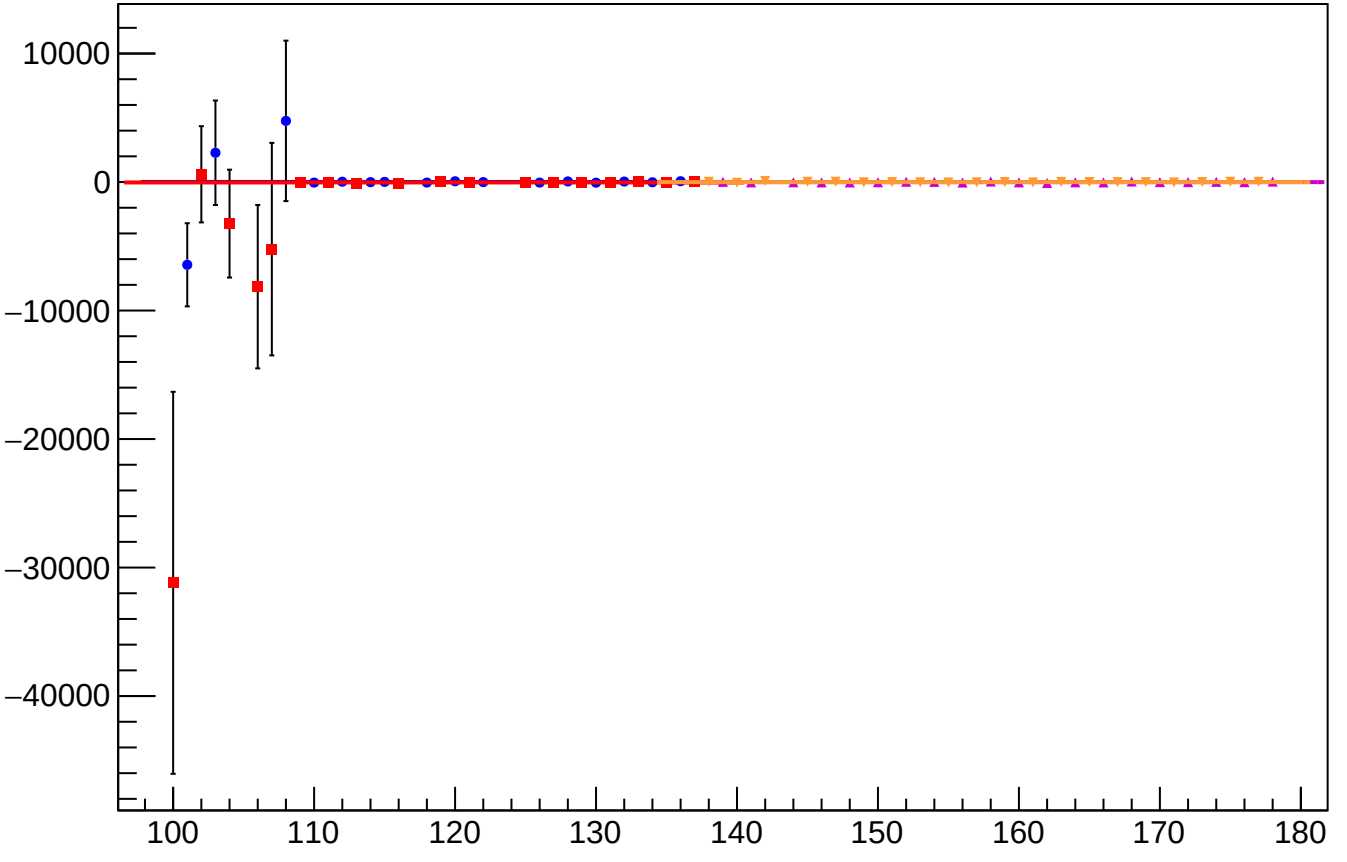
Left In: 186.125+/-0.034 χ^2/NDF:1405794.8/19

+ sign 204.879+/-0.032 χ^2/NDF: 5190920.7/35

All: 192.054+/-0.022 χ^2/NDF: 11189552.2/73

- sign 181.829+/-0.029 χ^2/NDF: 5718497.4/37

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -5.654+/-7.231 χ^2/NDF:13.1/19

Right Out: -30.740+/-12.084 χ^2/NDF: 19.9/17

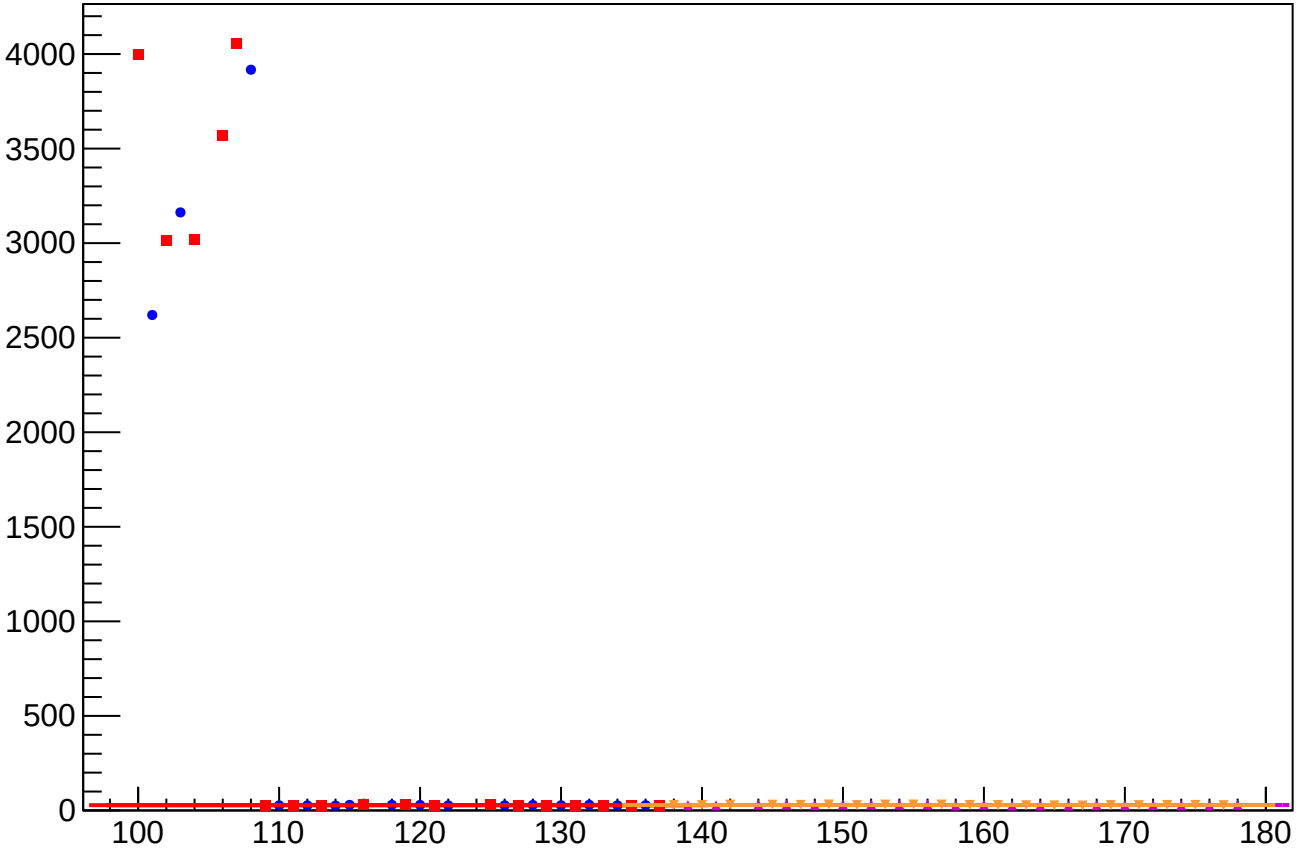
Left In: -4.735+/-7.148 χ^2/NDF:18.3/19

+ sign -2.324+/-6.160 χ^2/NDF: 32.1/35

All: -6.906+/-4.353 χ^2/NDF: 74.9/73

- sign -11.476+/-6.152 χ^2/NDF: 41.6/37

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 28.722+/-0.005 χ^2/NDF:74819.3/19

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

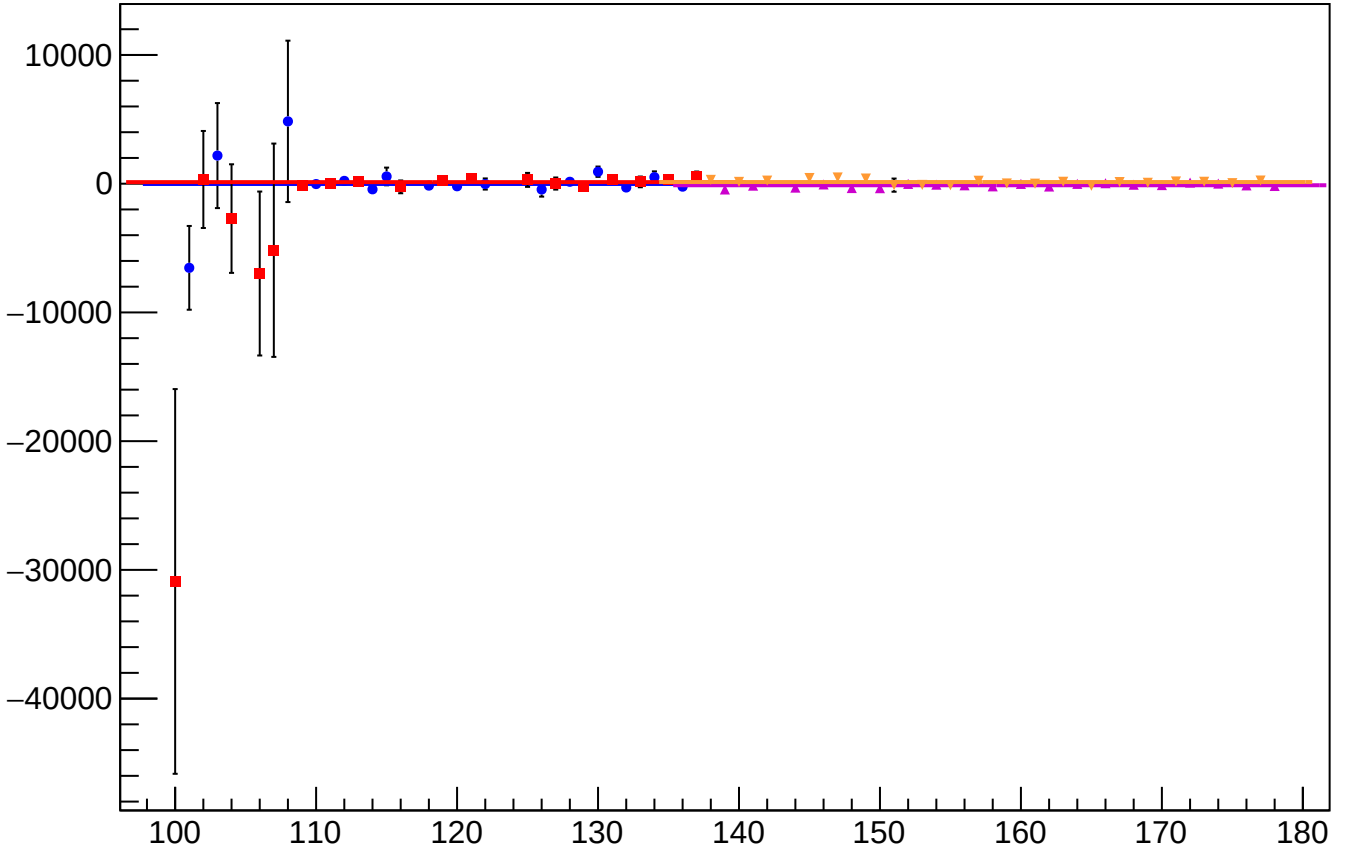
Left In: 28.787+/-0.005 χ^2/NDF:123668.3/19

+ sign 28.476+/-0.004 χ^2/NDF: 3349159.6/35

All: 28.501+/-0.003 χ^2/NDF: 7041627.5/73

- sign 28.526+/-0.004 χ^2/NDF: 3692402.6/37

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 129.008+/-55.205 χ^2/NDF:8.1/19

Right Out: 121.544+/-78.844 χ^2/NDF: 13.2/17

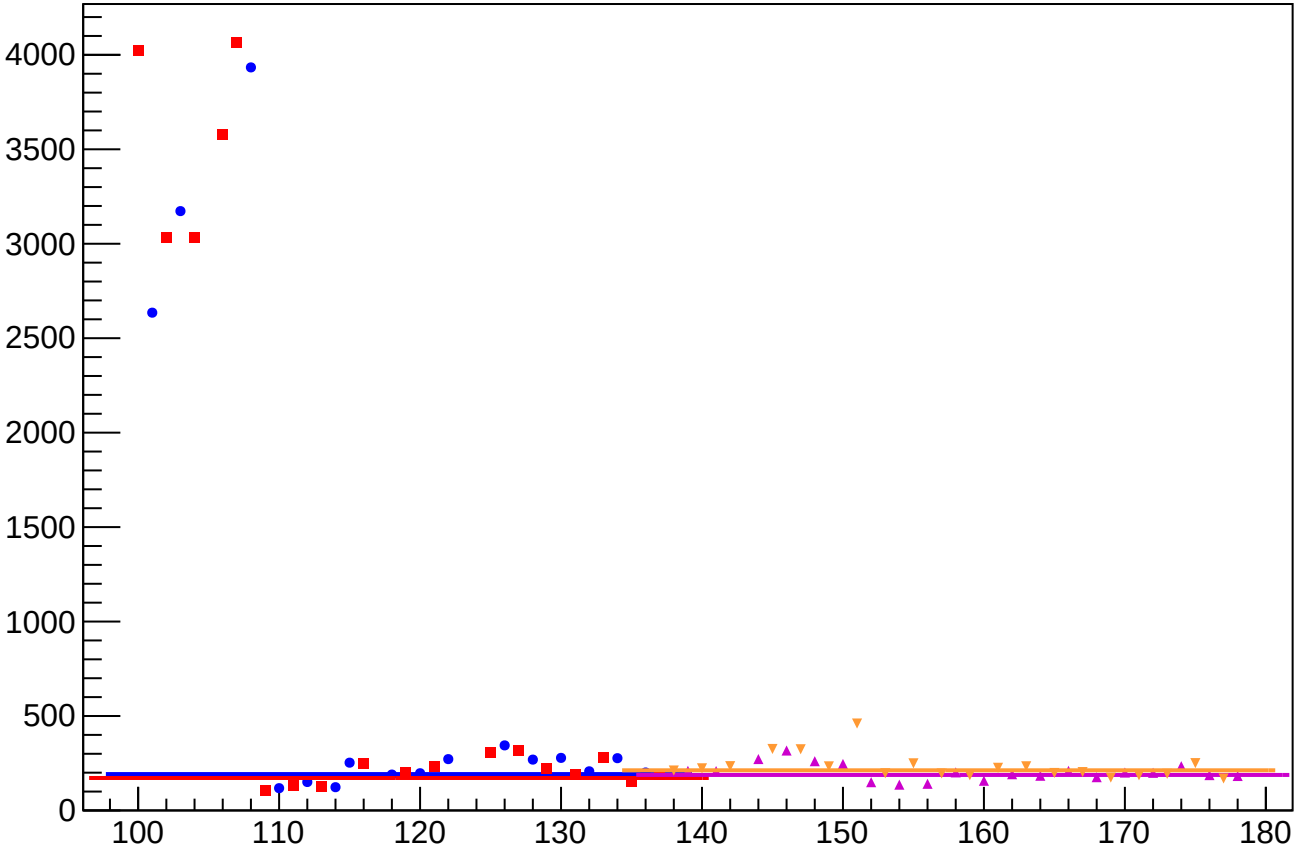
Left In: -120.701+/-48.611 χ^2/NDF:6.6/19

+ sign 84.989+/-46.308 χ^2/NDF: 28.4/35

All: 7.718+/-30.855 χ^2/NDF: 60.1/73

- sign -53.979+/-41.379 χ^2/NDF: 26.7/37

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 212.533+/-0.039 χ^2/NDF:1262823.1/19

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

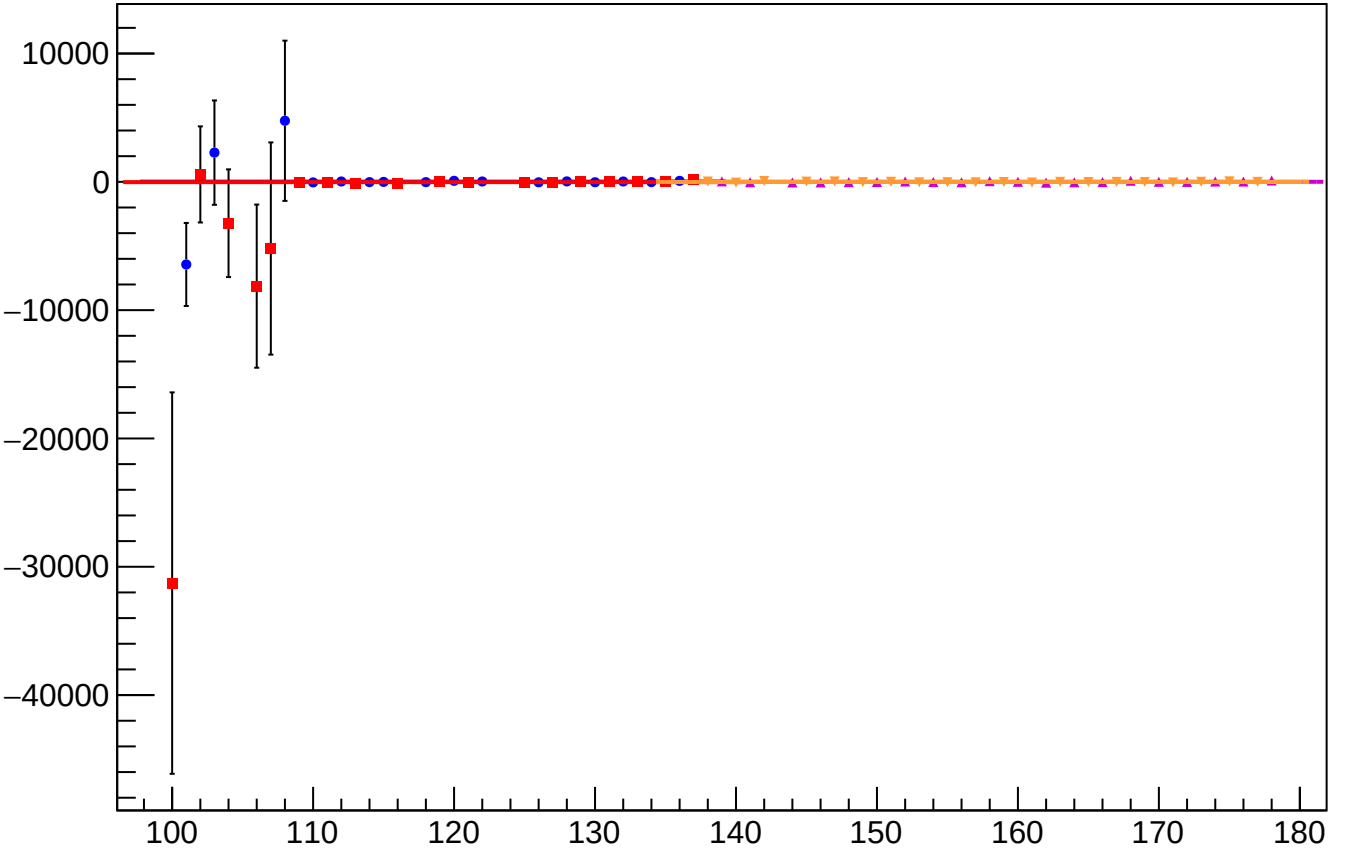
Left In: 187.973+/-0.034 χ^2/NDF:1365707.7/19

+ sign 206.614+/-0.033 χ^2/NDF: 5163199.7/35

All: 193.787+/-0.022 χ^2/NDF: 11112901.0/73

- sign 183.546+/-0.029 χ^2/NDF: 5673745.2/37

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -12.537+/-7.852 χ^2/NDF:15.0/19

Right Out: -21.906+/-13.382 χ^2/NDF: 28.4/17

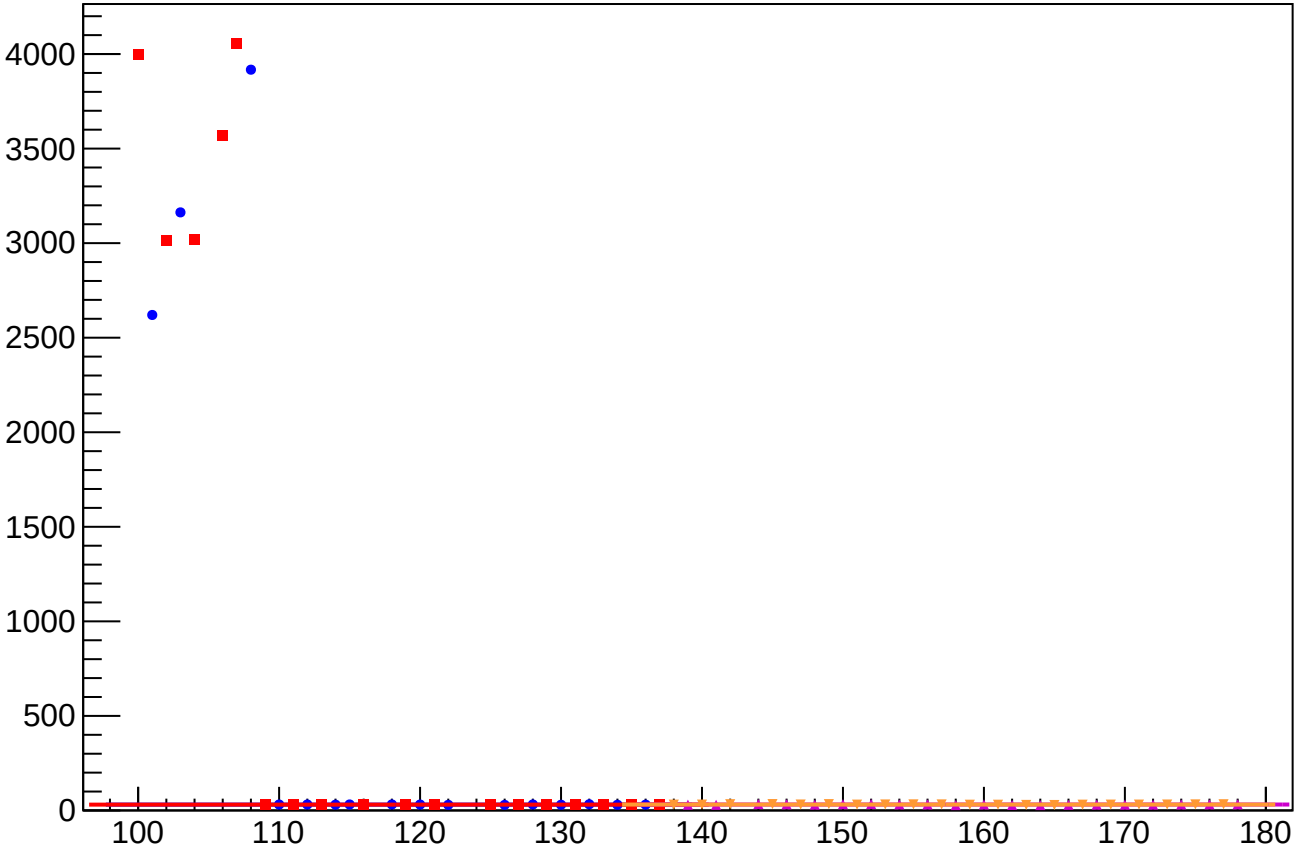
Left In: 4.689+/-7.777 χ^2/NDF:32.0/19

+ sign -5.569+/-6.730 χ^2/NDF: 33.4/35

All: -3.796+/-4.757 χ^2/NDF: 96.8/73

- sign -2.026+/-6.724 χ^2/NDF: 63.3/37

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.212+/-0.006 χ^2/NDF:46896.7/19

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

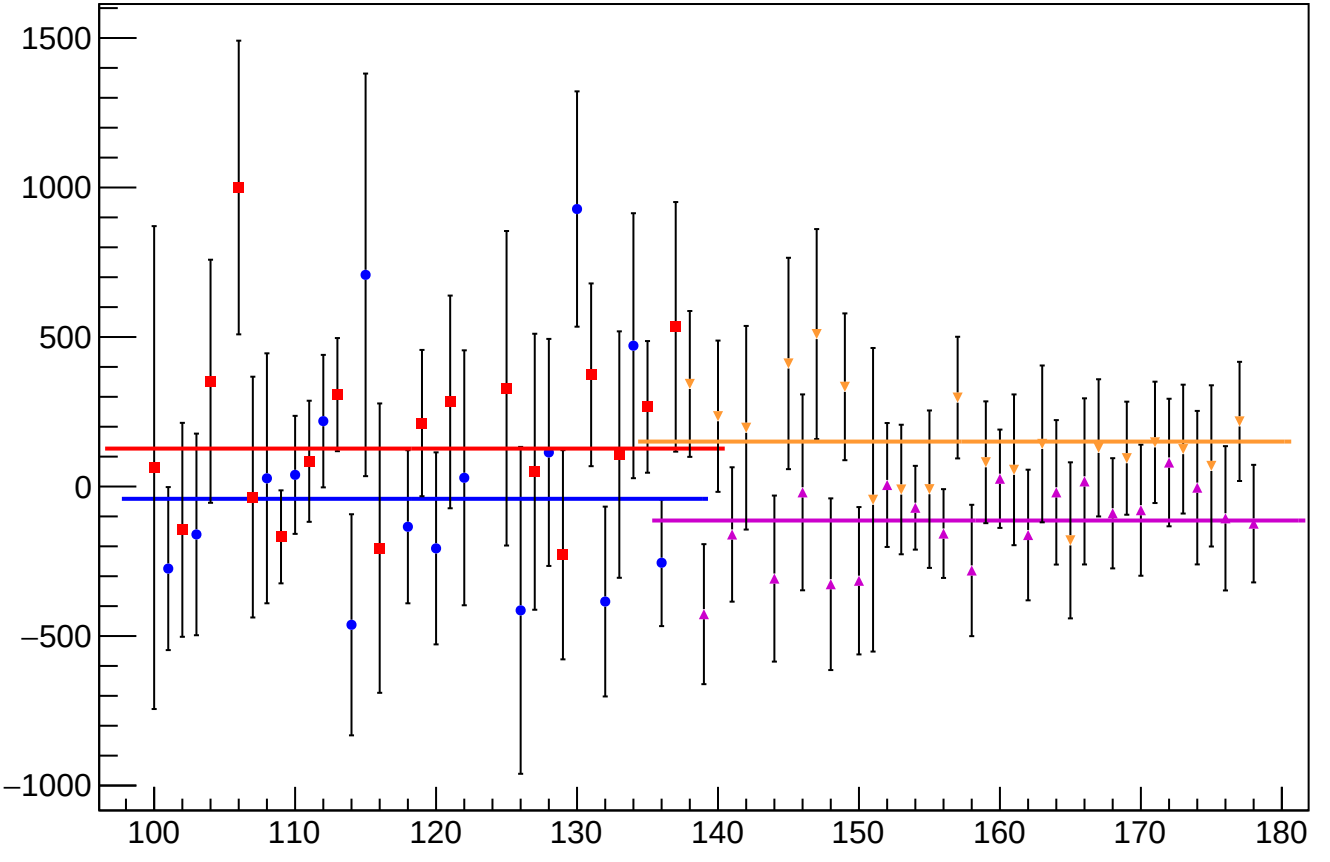
Left In: 31.346+/-0.005 χ^2/NDF:83916.4/19

+ sign 31.136+/-0.005 χ^2/NDF: 3300195.6/35

All: 31.173+/-0.003 χ^2/NDF: 6922637.9/73

- sign 31.209+/-0.005 χ^2/NDF: 3622326.1/37

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 150.321+/-54.363 χ^2/NDF:6.7/19

Right Out: 126.896+/-69.382 χ^2/NDF: 12.8/17

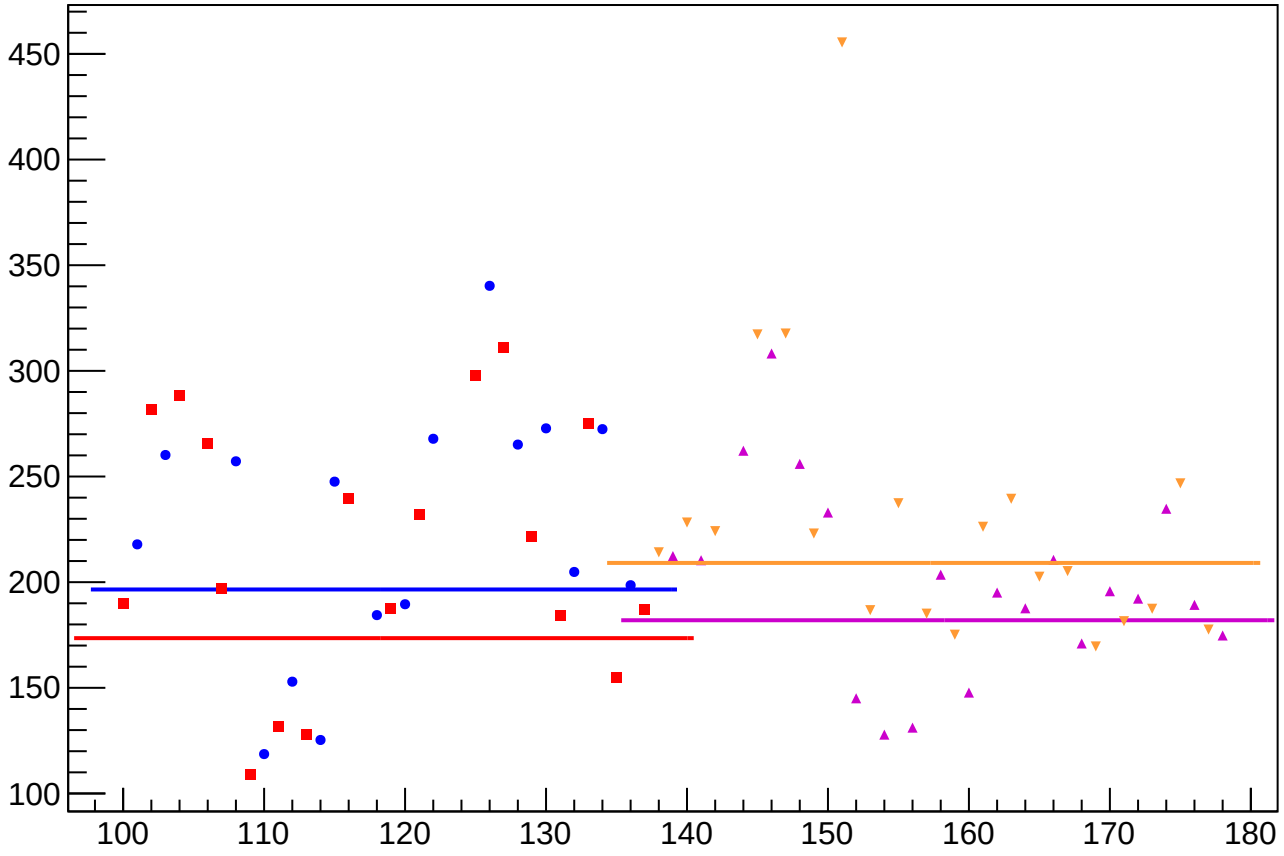
Left In: -113.669+/-47.258 χ^2/NDF:6.9/19

+ sign 86.794+/-44.437 χ^2/NDF: 26.4/35

All: 16.712+/-29.337 χ^2/NDF: 58.7/73

- sign -37.432+/-39.059 χ^2/NDF: 27.9/37

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 209.110+/-0.038 χ^2/NDF:1271244.1/19

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

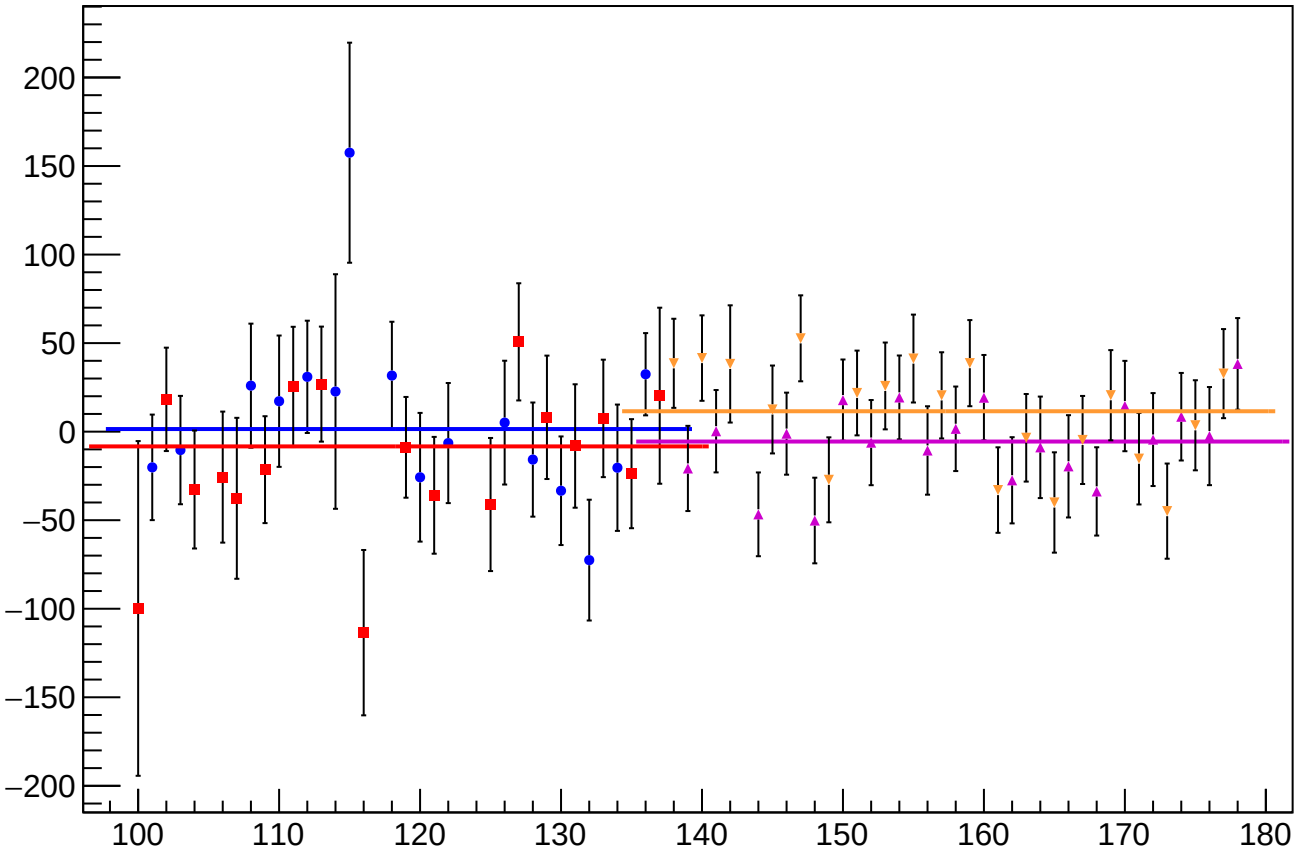
Left In: 181.980+/-0.033 χ^2/NDF:1588259.1/19

+ sign 204.939+/-0.031 χ^2/NDF: 2307483.7/35

All: 190.472+/-0.021 χ^2/NDF: 5824572.0/73

- sign 179.296+/-0.028 χ^2/NDF: 3141344.3/37

asym_bcm_dg_us_an_us_dd_mean vs Slug



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 11.523+/-5.639 χ^2/NDF:26.1/19

Right Out: -8.329+/-8.286 χ^2/NDF: 16.0/17

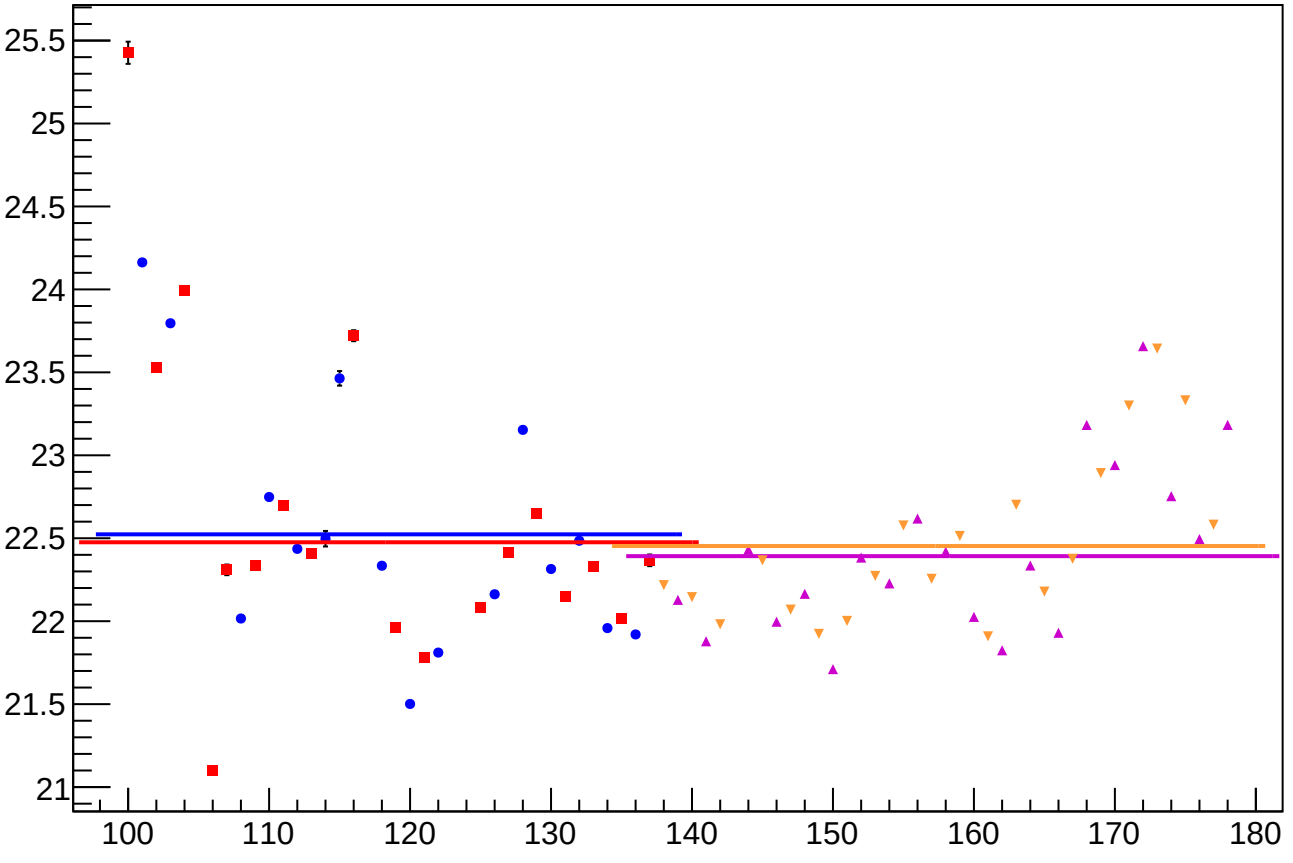
Left In: -5.583+/-5.541 χ^2/NDF:16.4/19

+ sign 8.386+/-4.677 χ^2/NDF: 45.8/35

All: 0.864+/-3.282 χ^2/NDF: 83.4/73

- sign -6.432+/-4.606 χ^2/NDF: 32.5/37

asym_bcm_dg_us_an_us_dd_rms vs Slug



Right In: 22.524+/-0.006 χ^2/NDF: 15947.8/15

Left Out: 22.453+/-0.004 χ^2/NDF:13946.0/19

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

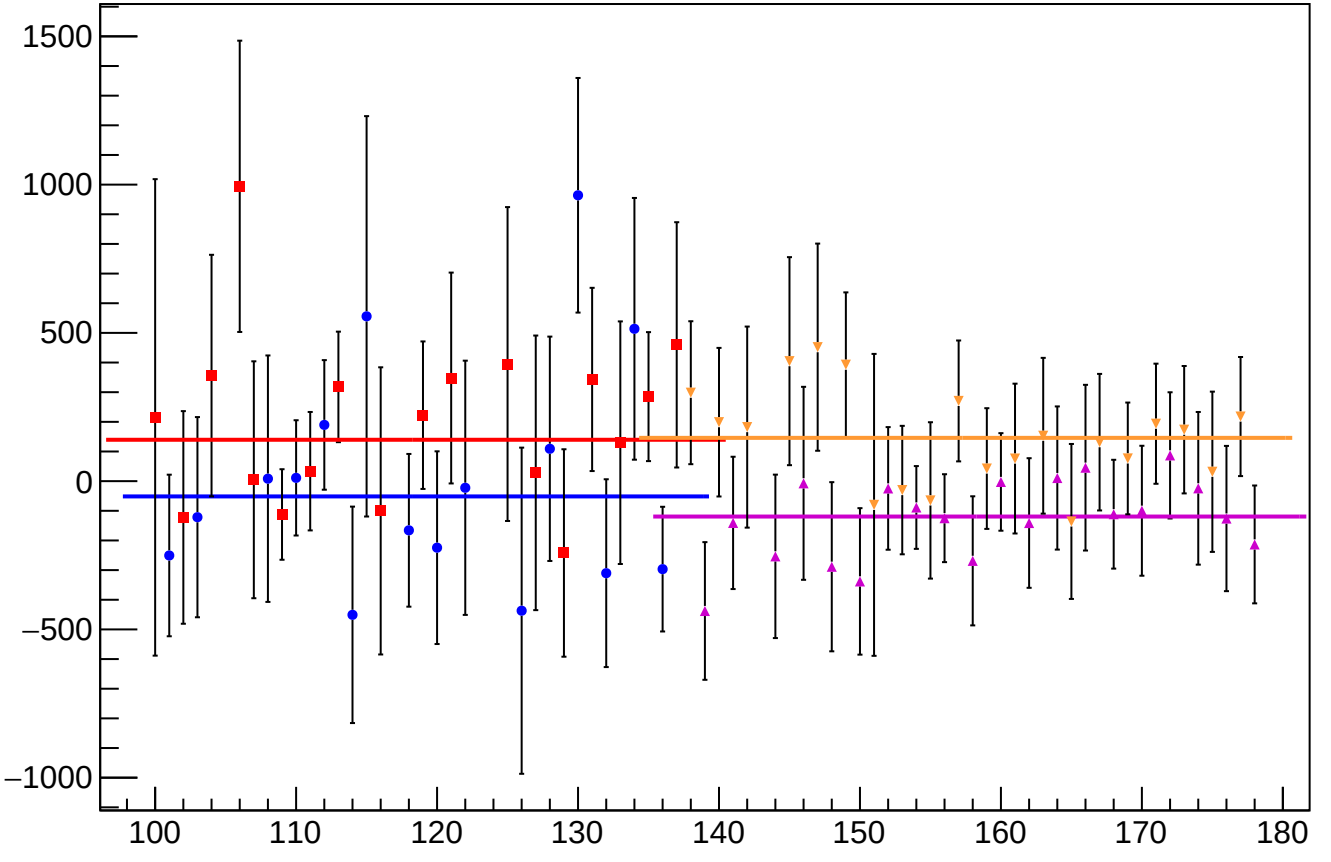
Left In: 22.392+/-0.004 χ^2/NDF:15991.4/19

+ sign 22.475+/-0.003 χ^2/NDF: 29991.5/35

All: 22.446+/-0.002 χ^2/NDF: 61811.2/73

- sign 22.418+/-0.003 χ^2/NDF: 31668.4/37

asym_bcm_dg_ds_an_us_avg_mean vs Slug



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 145.995+/-54.303 χ^2/NDF:6.7/19

Right Out: 139.546+/-68.888 χ^2/NDF: 11.6/17

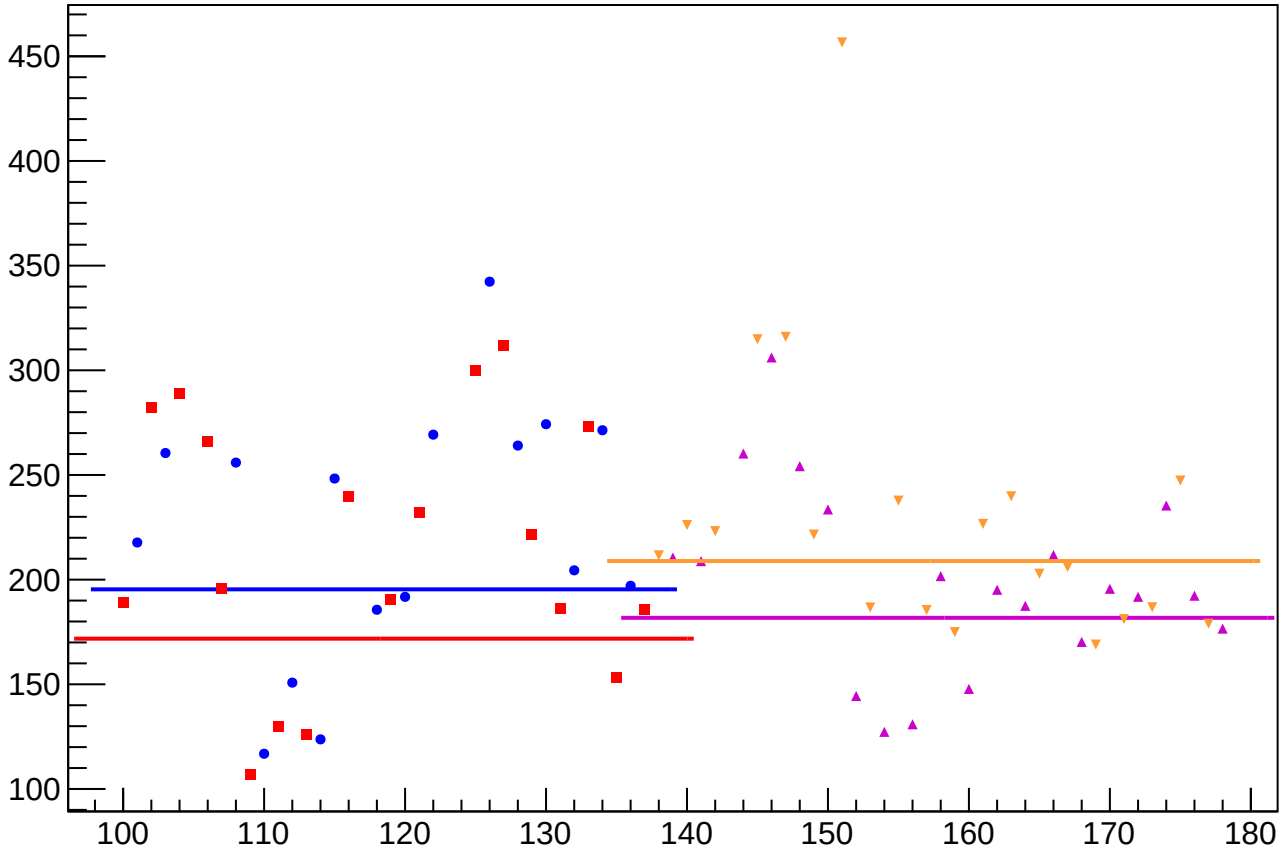
Left In: -119.348+/-47.203 χ^2/NDF:6.6/19

+ sign 80.168+/-44.339 χ^2/NDF: 26.4/35

All: 14.227+/-29.258 χ^2/NDF: 58.1/73

- sign -36.631+/-38.939 χ^2/NDF: 27.7/37

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 208.885+/-0.038 χ^2/NDF:1261845.4/19

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

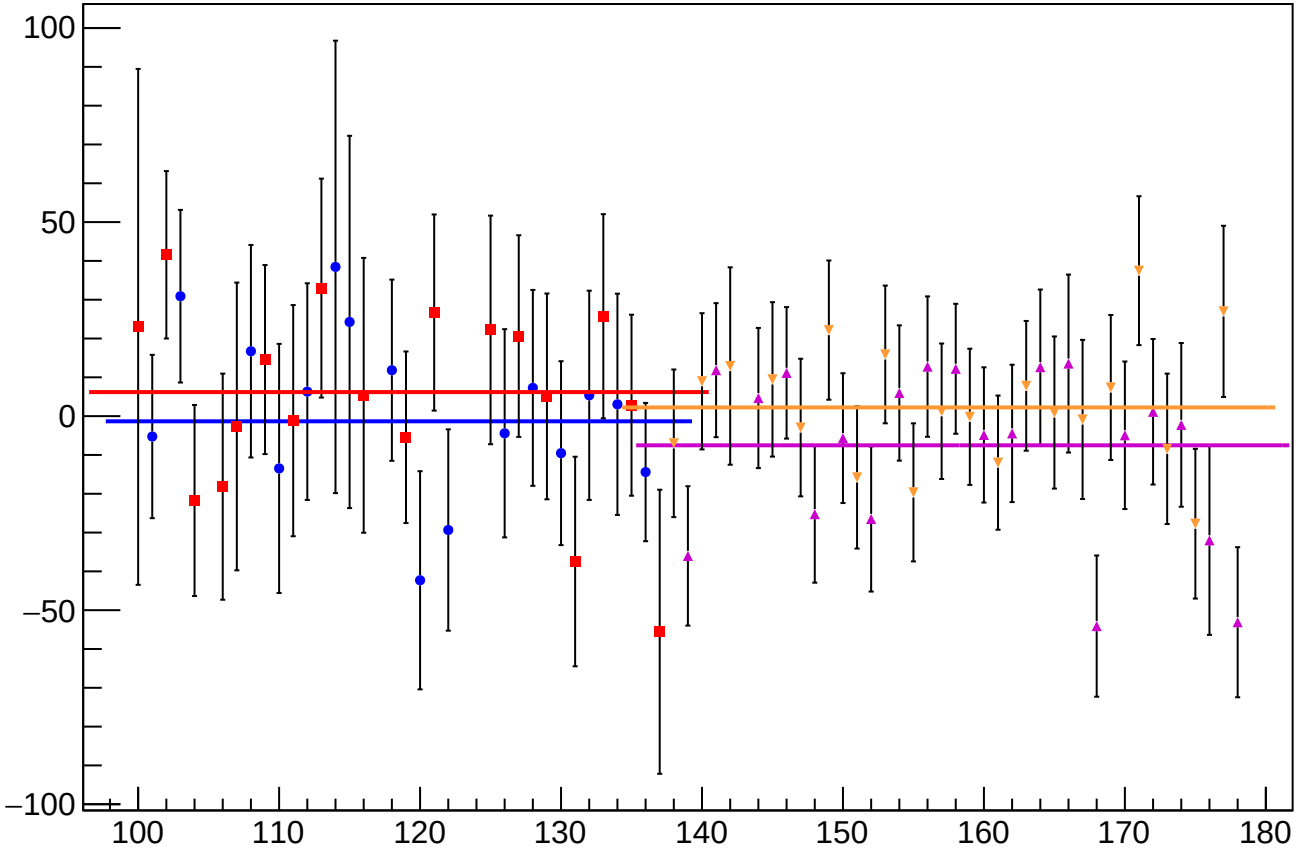
Left In: 181.753+/-0.033 χ^2/NDF:1582483.6/19

+ sign 204.377+/-0.031 χ^2/NDF: 2344626.6/35

All: 189.810+/-0.021 χ^2/NDF: 5938555.1/73

- sign 178.574+/-0.028 χ^2/NDF: 3211526.7/37

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 2.245+/-4.185 χ^2/NDF:13.3/19

Right Out: 6.195+/-6.473 χ^2/NDF: 13.5/17

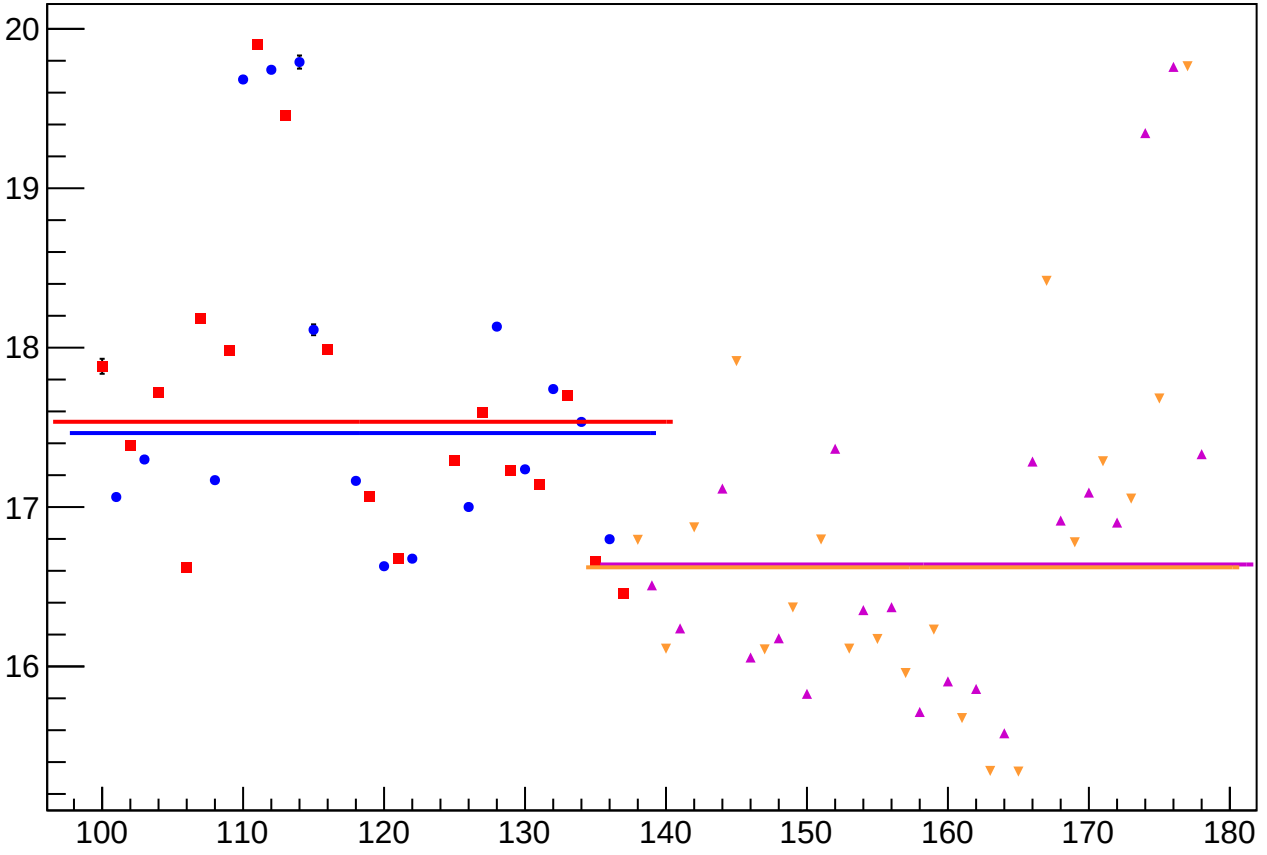
Left In: -7.516+/-4.128 χ^2/NDF:26.1/19

+ sign 1.197+/-3.518 χ^2/NDF: 21.6/35

All: -1.203+/-2.474 χ^2/NDF: 65.2/73

- sign -3.551+/-3.480 χ^2/NDF: 42.7/37

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.622+/-0.003 χ^2/NDF:111348.0/19

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

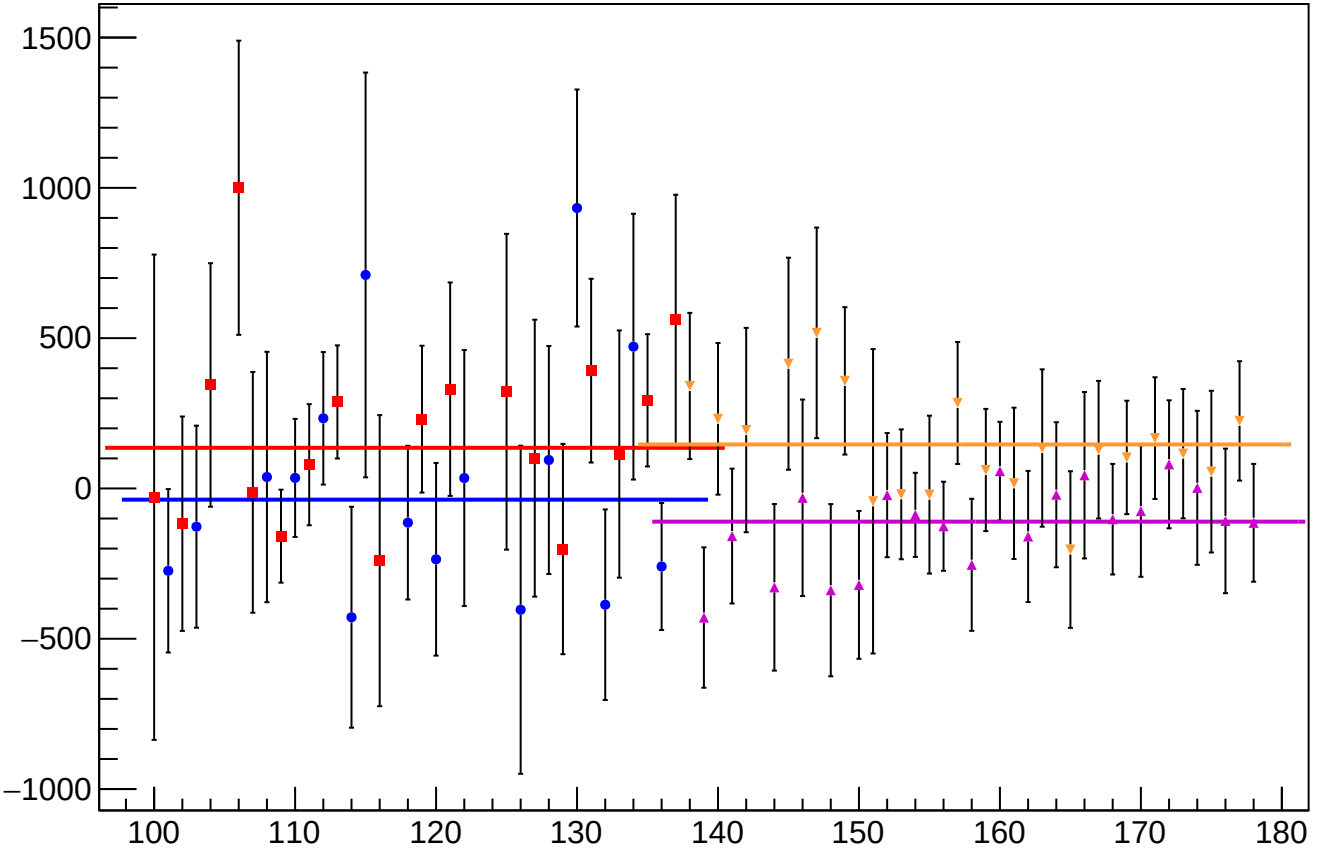
Left In: 16.640+/-0.003 χ^2/NDF:106070.4/19

+ sign 16.869+/-0.002 χ^2/NDF: 171747.2/35

All: 16.884+/-0.002 χ^2/NDF: 339563.7/73

- sign 16.899+/-0.002 χ^2/NDF: 167743.9/37

asym_bcm_dg_us_an_ds_avg_mean vs Slug



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 146.378+/-54.241 χ^2/NDF:7.4/19

Right Out: 135.279+/-69.157 χ^2/NDF: 12.8/17

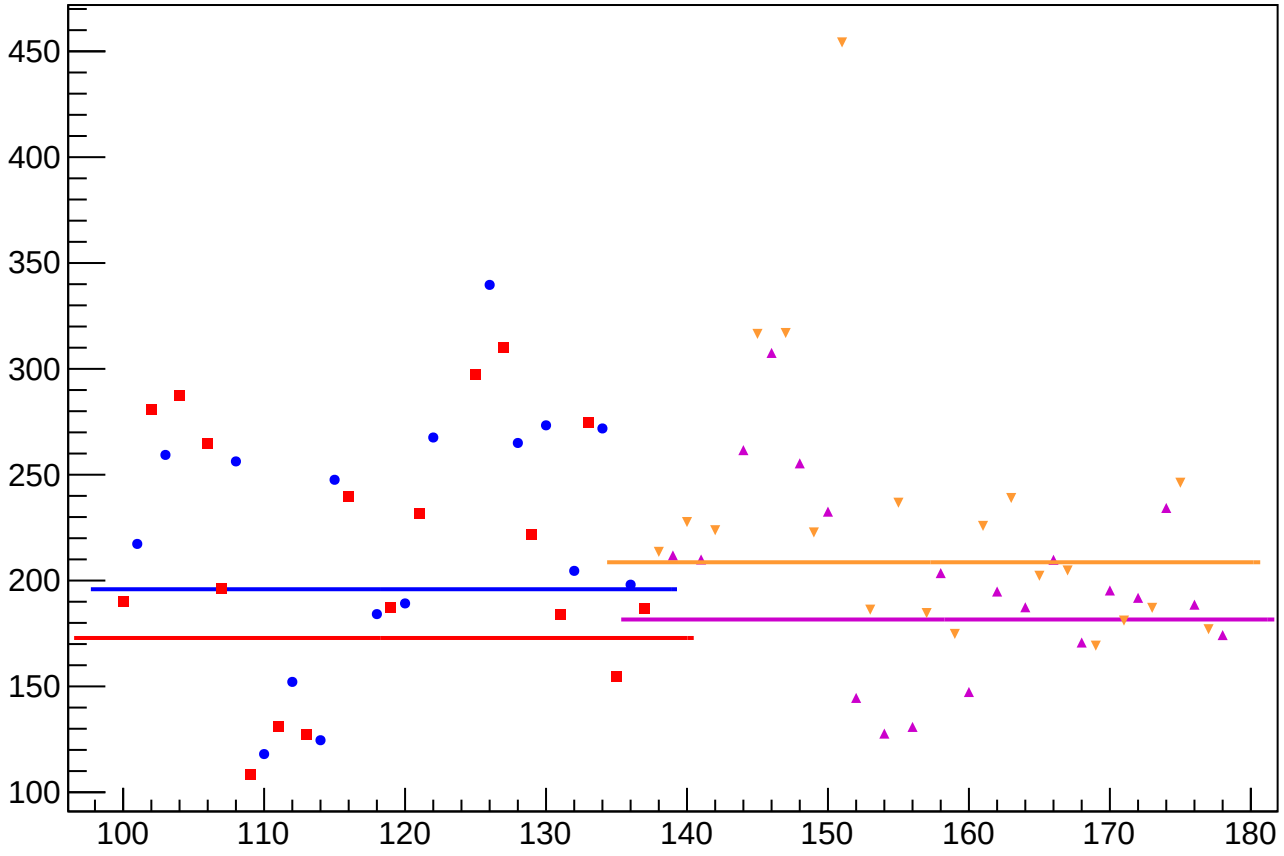
Left In: -110.432+/-47.161 χ^2/NDF:7.2/19

+ sign 85.391+/-44.327 χ^2/NDF: 26.9/35

All: 18.920+/-29.265 χ^2/NDF: 59.5/73

- sign -32.438+/-38.963 χ^2/NDF: 28.6/37

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 208.641+/-0.038 χ^2/NDF:1271375.5/19

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

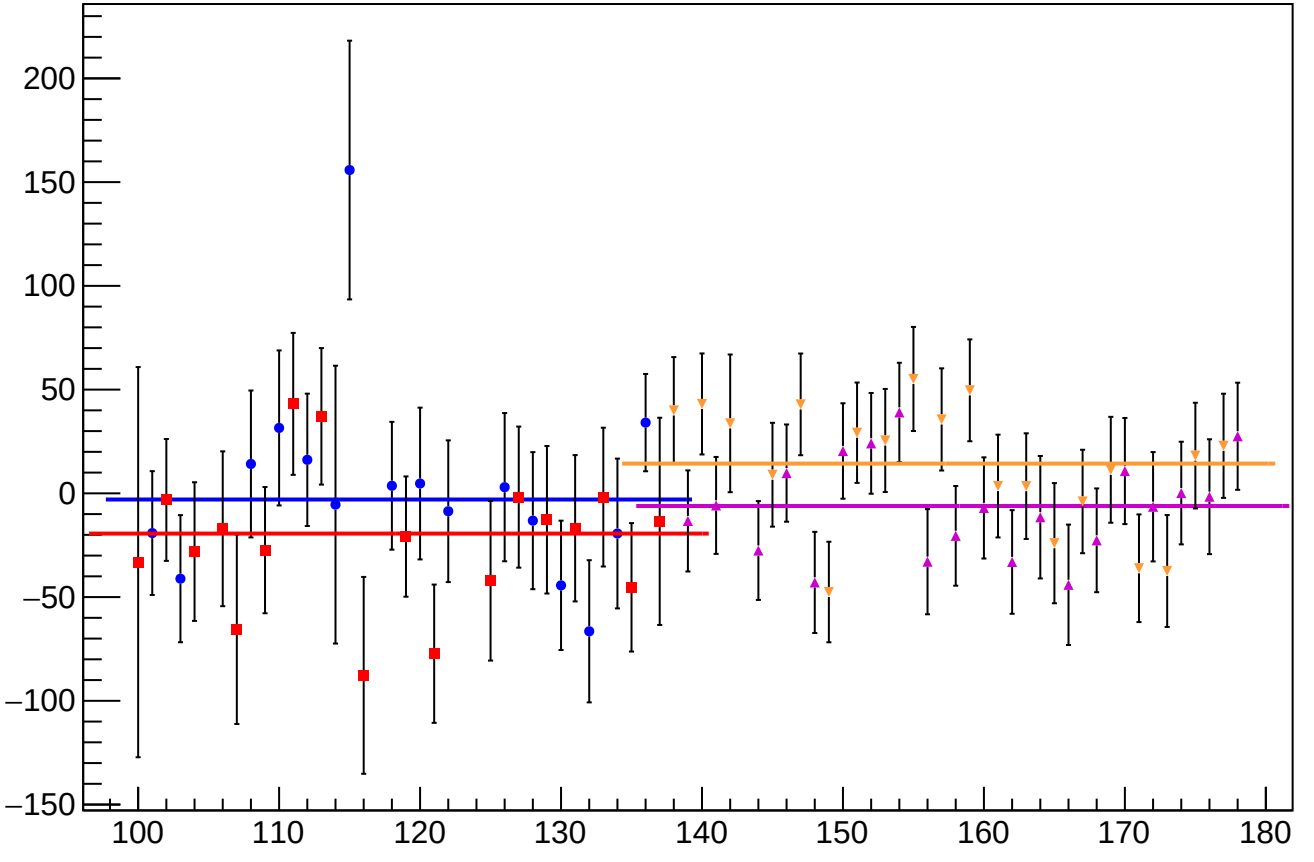
Left In: 181.606+/-0.033 χ^2/NDF:1588250.9/19

+ sign 204.409+/-0.031 χ^2/NDF: 2319041.3/35

All: 189.981+/-0.021 χ^2/NDF: 5847896.4/73

- sign 178.834+/-0.028 χ^2/NDF: 3153280.2/37

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 14.336+/-5.698 χ^2/NDF:27.0/19

Right Out: -19.387+/-8.381 χ^2/NDF: 14.5/17

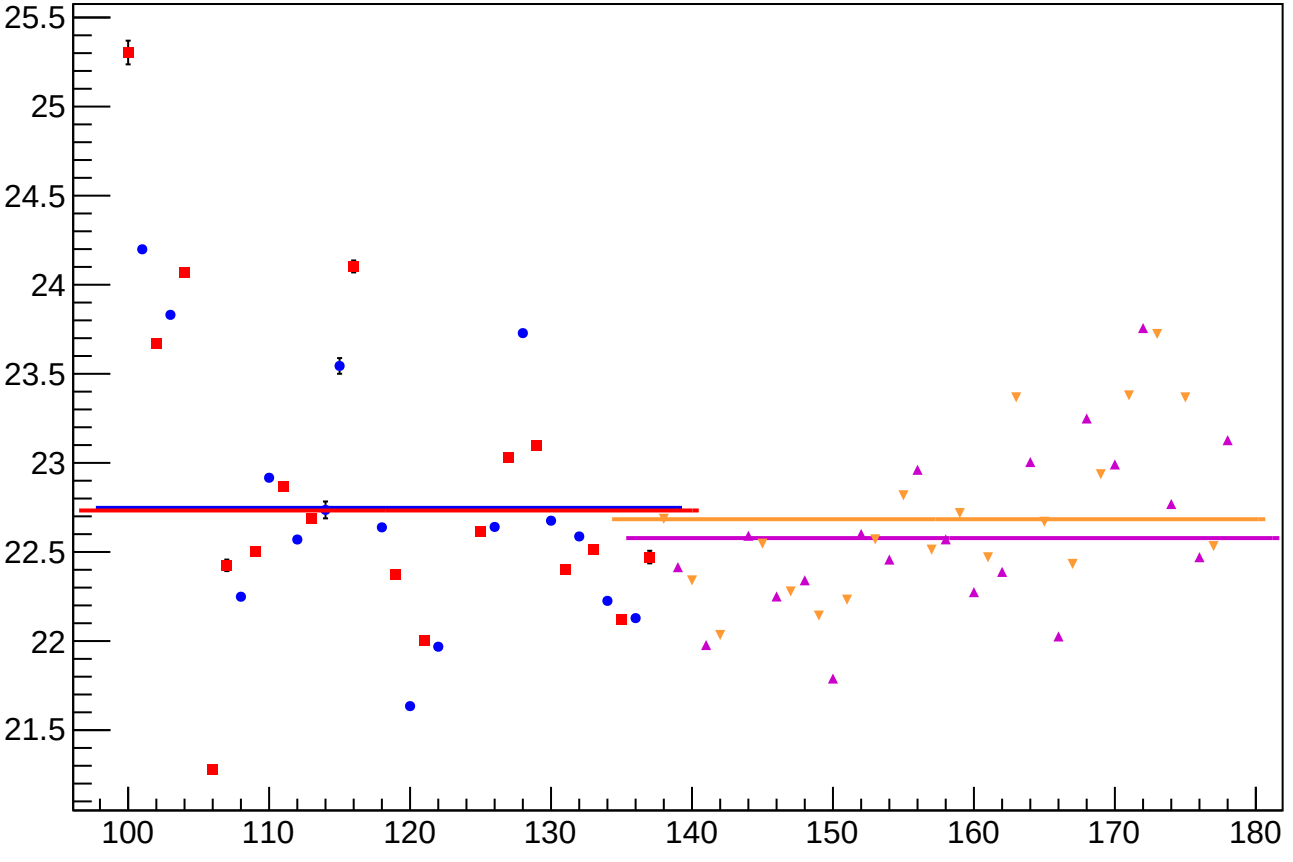
Left In: -6.098+/-5.587 χ^2/NDF:17.1/19

+ sign 8.931+/-4.725 χ^2/NDF: 47.8/35

All: -0.783+/-3.314 χ^2/NDF: 89.5/73

- sign -10.187+/-4.649 χ^2/NDF: 33.4/37

asym_bcm_dg_us_an_ds_dd_rms vs Slug



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.684+/-0.004 χ^2/NDF:11577.7/19

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

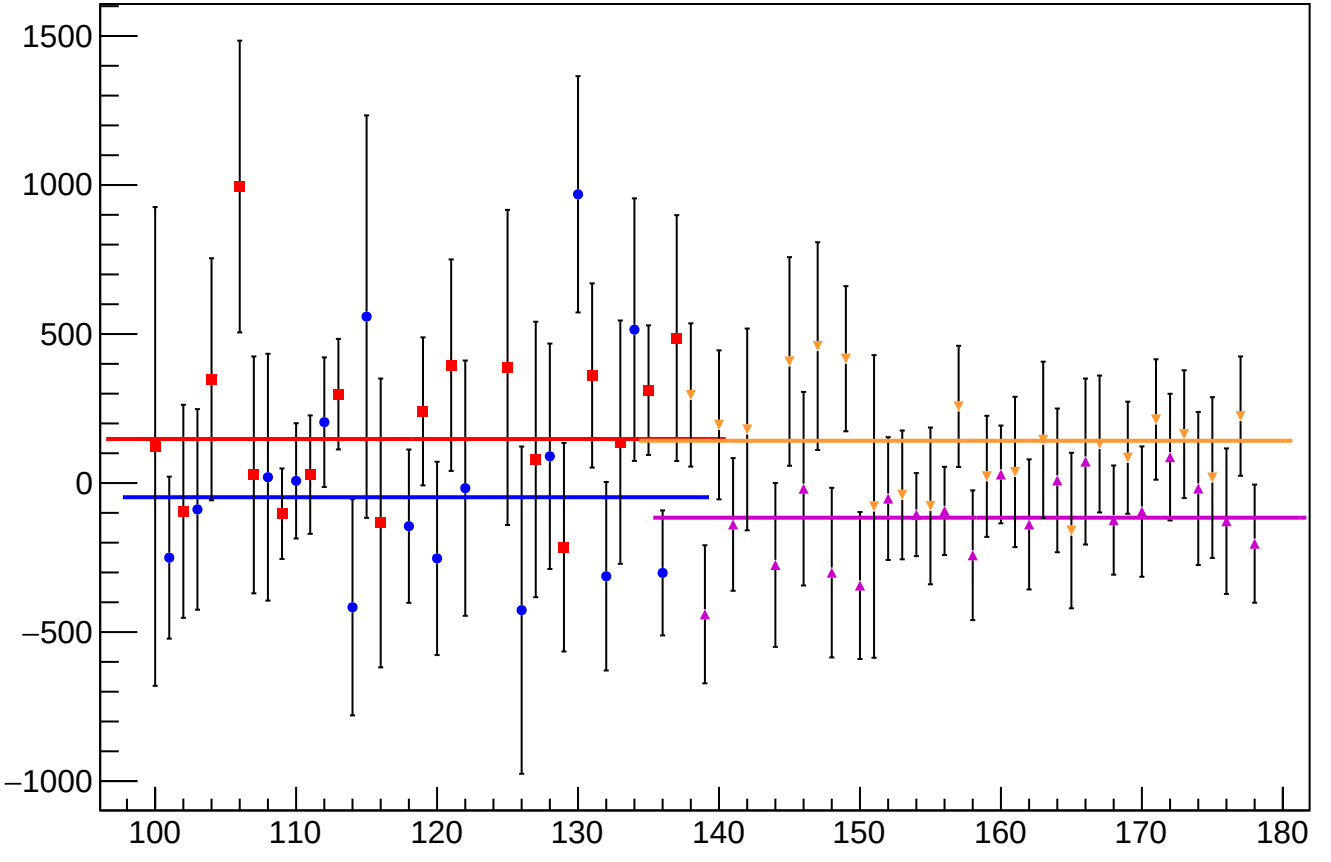
Left In: 22.578+/-0.004 χ^2/NDF:13440.5/19

+ sign 22.704+/-0.003 χ^2/NDF: 26278.3/35

All: 22.664+/-0.002 χ^2/NDF: 54860.0/73

- sign 22.626+/-0.003 χ^2/NDF: 28303.8/37

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 141.974+/-54.181 χ^2/NDF:7.5/19

Right Out: 147.812+/-68.660 χ^2/NDF: 11.5/17

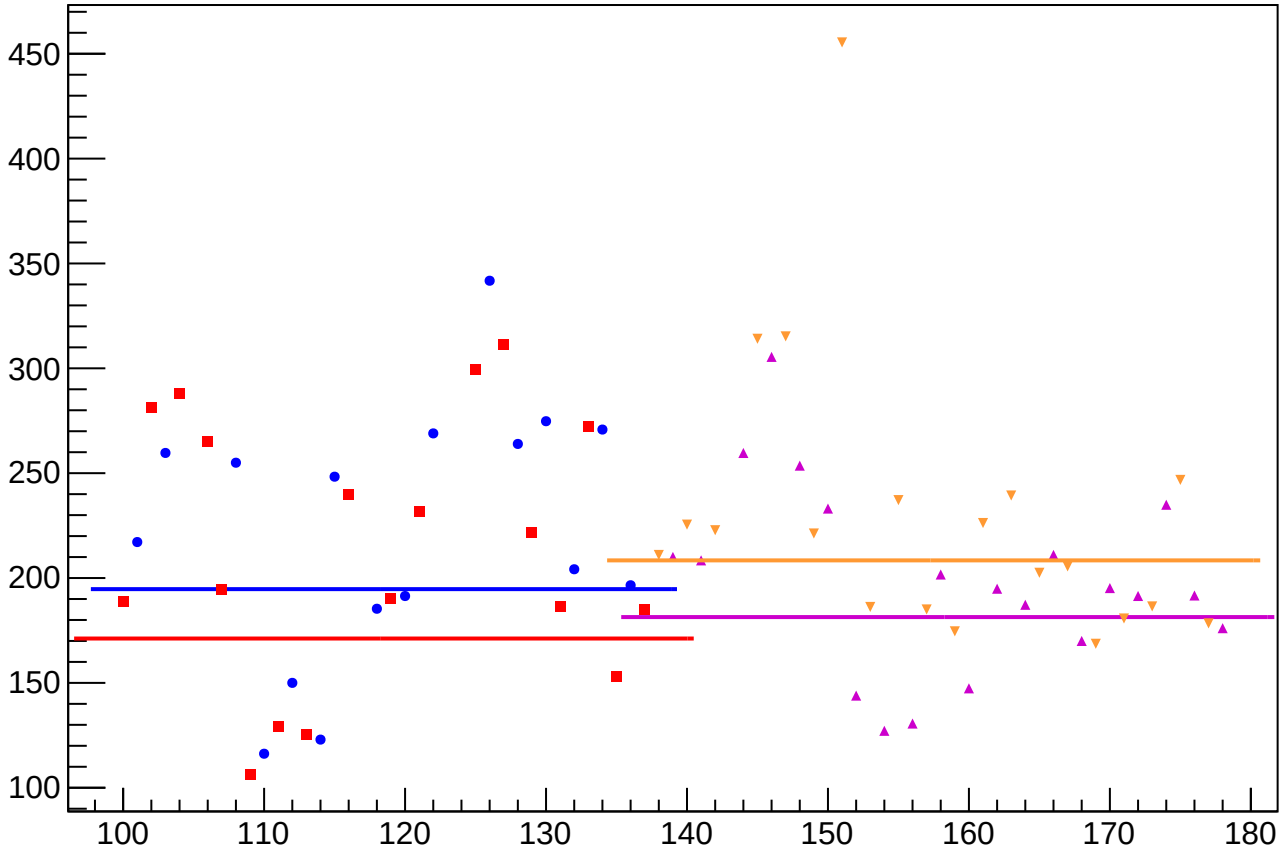
Left In: -116.193+/-47.106 χ^2/NDF:6.9/19

+ sign 78.751+/-44.228 χ^2/NDF: 27.0/35

All: 16.397+/-29.186 χ^2/NDF: 59.0/73

- sign -31.697+/-38.843 χ^2/NDF: 28.5/37

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 208.416+/-0.038 χ^2/NDF:1261966.1/19

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

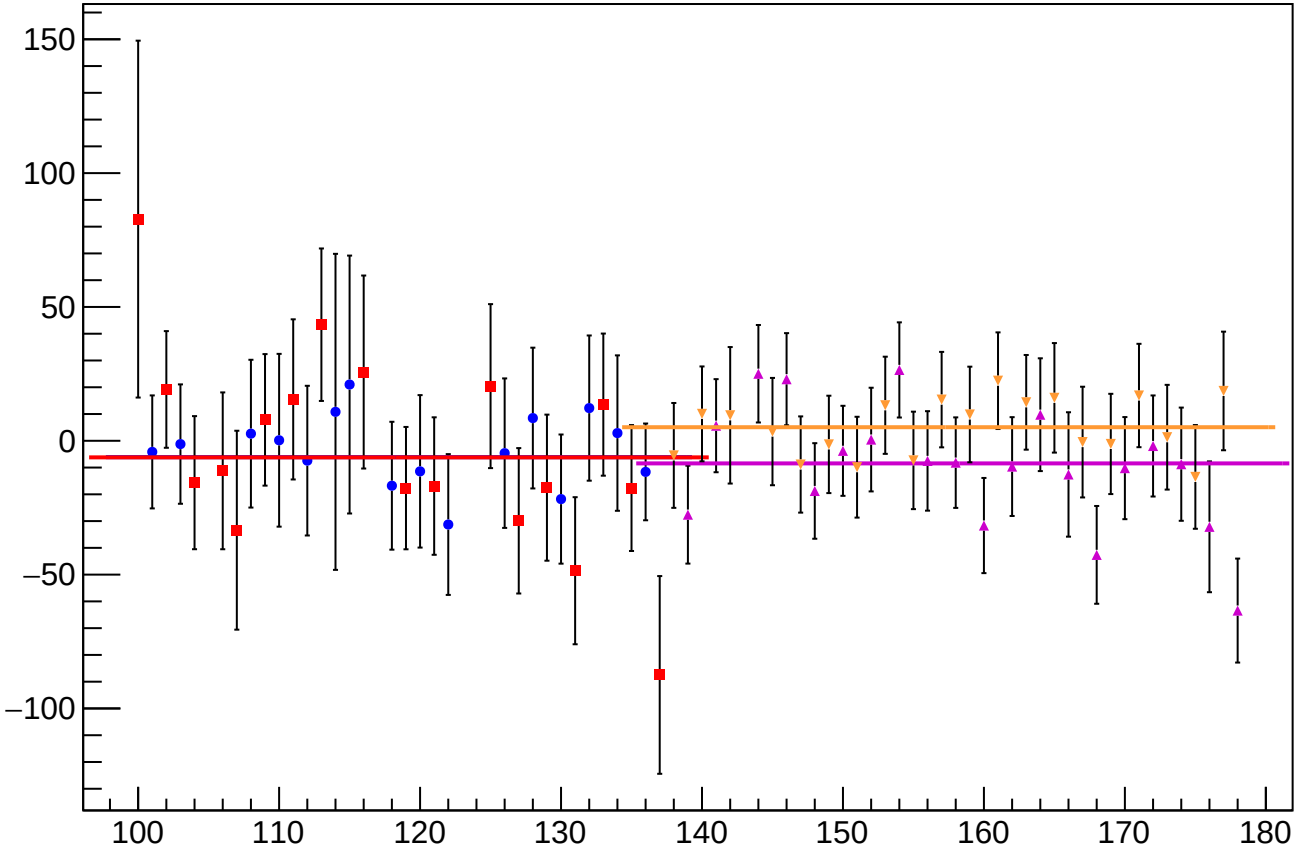
Left In: 181.382+/-0.033 χ^2/NDF:1582248.5/19

+ sign 203.843+/-0.031 χ^2/NDF: 2356970.2/35

All: 189.315+/-0.021 χ^2/NDF: 5963557.0/73

- sign 178.109+/-0.027 χ^2/NDF: 3224346.5/37

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 5.072+/-4.267 χ^2/NDF:6.2/19

Right Out: -6.195+/-6.580 χ^2/NDF: 18.6/17

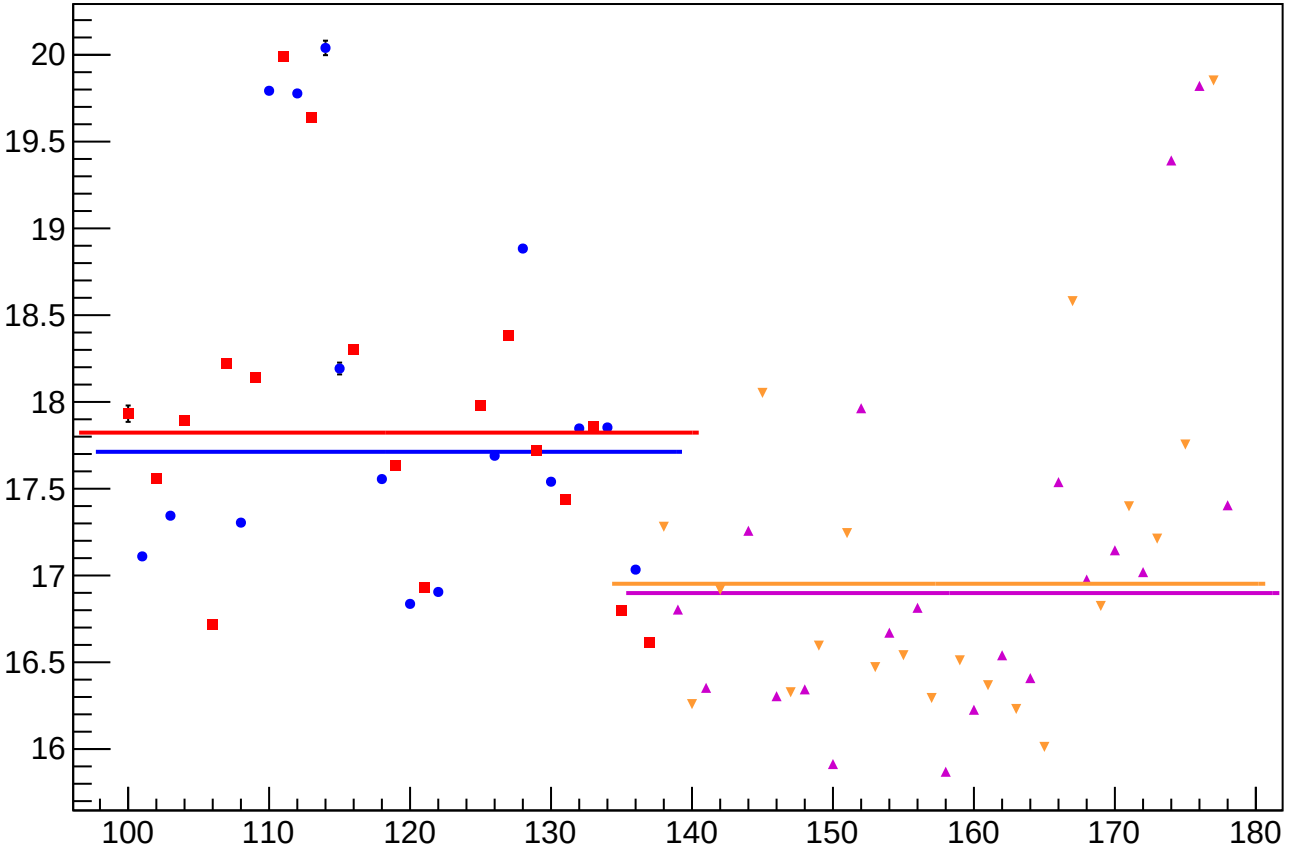
Left In: -8.446+/-4.192 χ^2/NDF:28.0/19

+ sign 1.768+/-3.582 χ^2/NDF: 11.4/35

All: -3.077+/-2.516 χ^2/NDF: 61.7/73

- sign -7.796+/-3.536 χ^2/NDF: 46.7/37

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.952+/-0.003 χ^2/NDF:80941.7/19

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

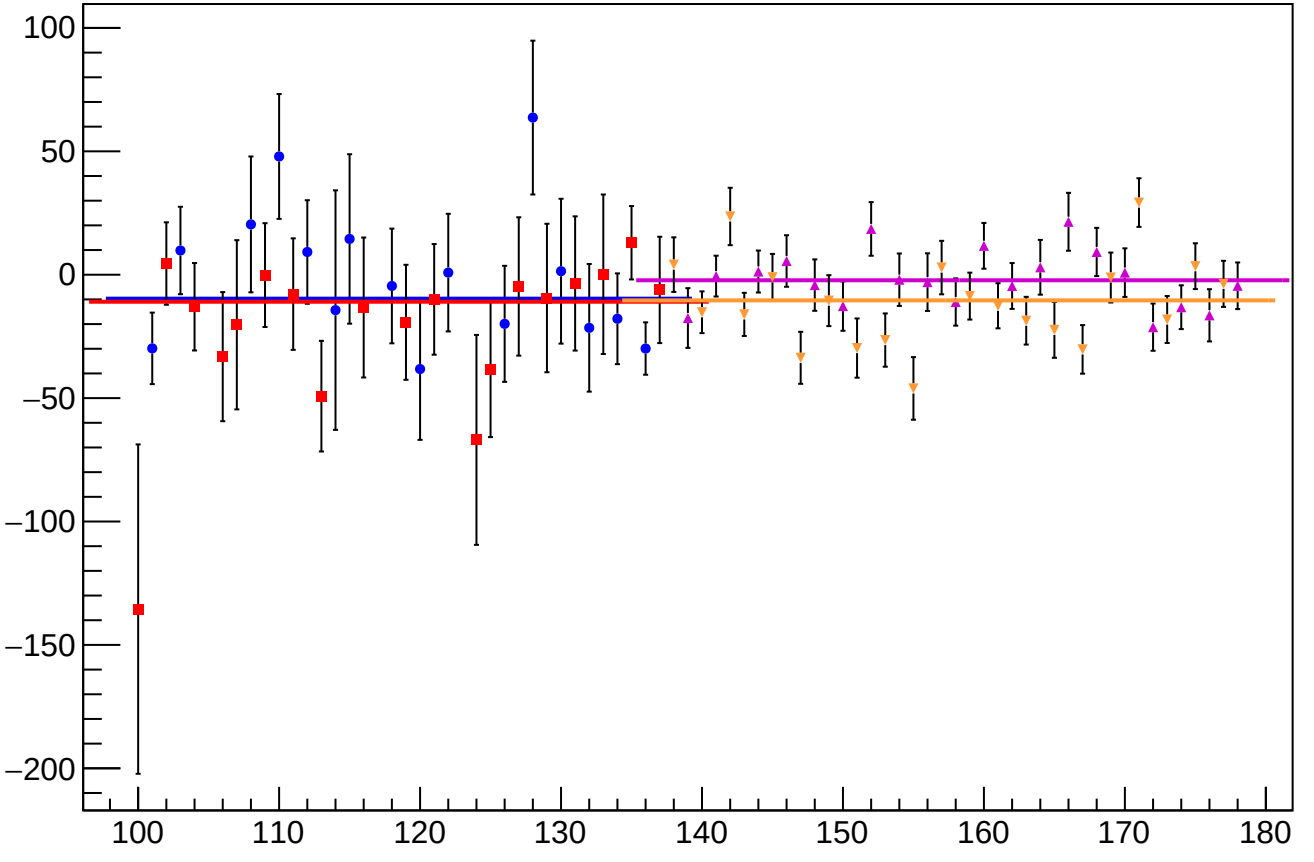
Left In: 16.899+/-0.003 χ^2/NDF:92225.0/19

+ sign 17.177+/-0.003 χ^2/NDF: 135672.1/35

All: 17.171+/-0.002 χ^2/NDF: 288489.3/73

- sign 17.166+/-0.003 χ^2/NDF: 152807.2/37

diff_bpm_4aX_4acX_avg_mean vs Slug



Right In: -9.702+/-5.231 χ^2/NDF: 22.0/15

Left Out: -10.399+/-2.190 χ^2/NDF:57.5/20

Right Out: -10.938+/-5.436 χ^2/NDF: 14.1/18

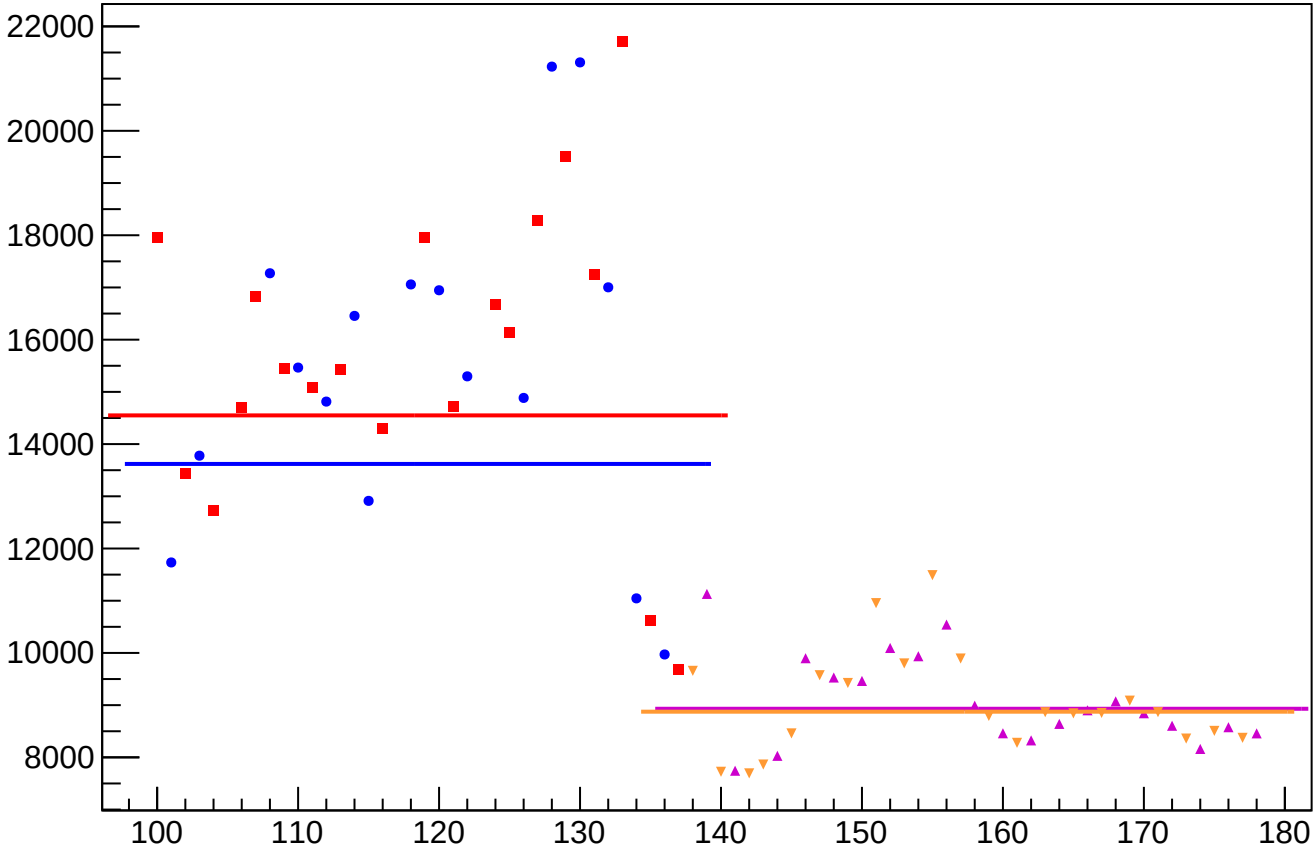
Left In: -2.250+/-2.223 χ^2/NDF:23.4/19

+ sign -10.295+/-2.020 χ^2/NDF: 79.6/36

All: -6.958+/-1.441 χ^2/NDF: 124.8/75

- sign -3.495+/-2.057 χ^2/NDF: 39.7/38

diff_bpm_4aX_4acX_avg_rms vs Slug



Right In: 13619.845+/-3.699 χ^2/NDF: 746985.9/15

Left Out: 8874.730+/-1.548 χ^2/NDF:314496.3/20

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

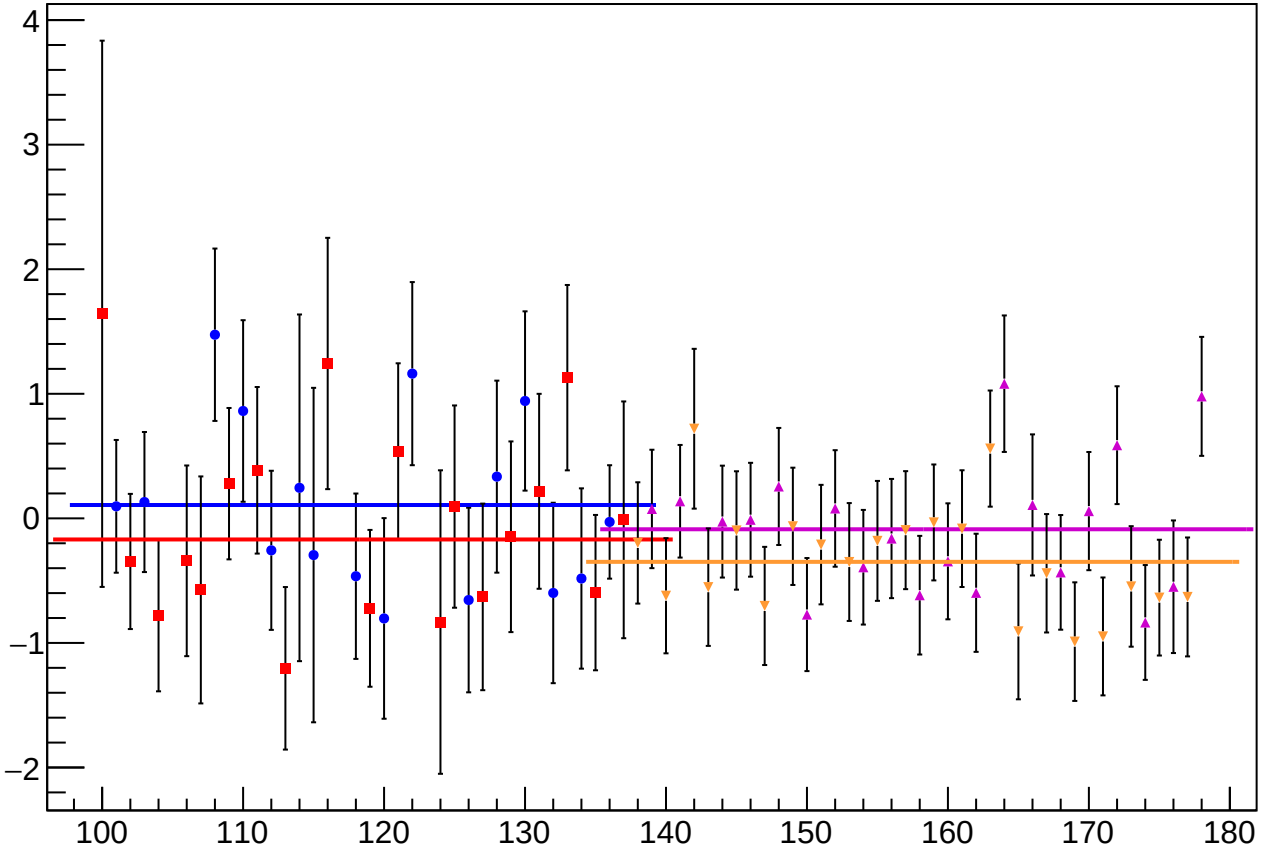
Left In: 8930.647+/-1.572 χ^2/NDF:278513.2/19

+ sign 9582.050+/-1.428 χ^2/NDF: 2461668.1/36

All: 9657.346+/-1.019 χ^2/NDF: 5132469.2/75

- sign 9735.473+/-1.455 χ^2/NDF: 2665137.6/38

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.349+/-0.105 χ^2/NDF:15.1/20

Right Out: -0.169+/-0.169 χ^2/NDF: 14.1/18

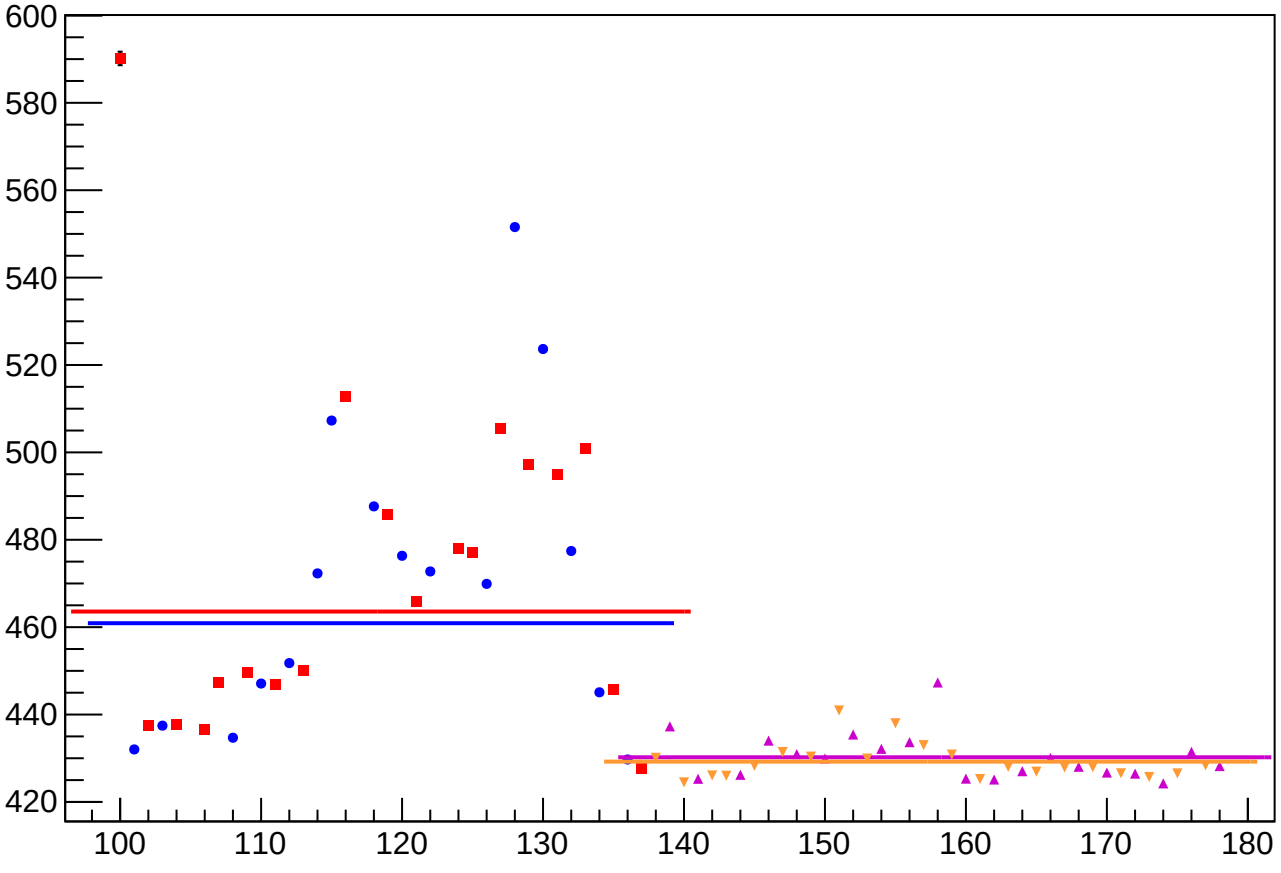
Left In: -0.088+/-0.106 χ^2/NDF:22.3/19

+ sign -0.225+/-0.090 χ^2/NDF: 33.9/36

All: -0.168+/-0.064 χ^2/NDF: 71.2/75

- sign -0.111+/-0.090 χ^2/NDF: 36.5/38

diff_bpm_4aX_4acX_dd_rms vs Slug



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 429.227+/-0.074 χ^2/NDF:2902.0/20

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

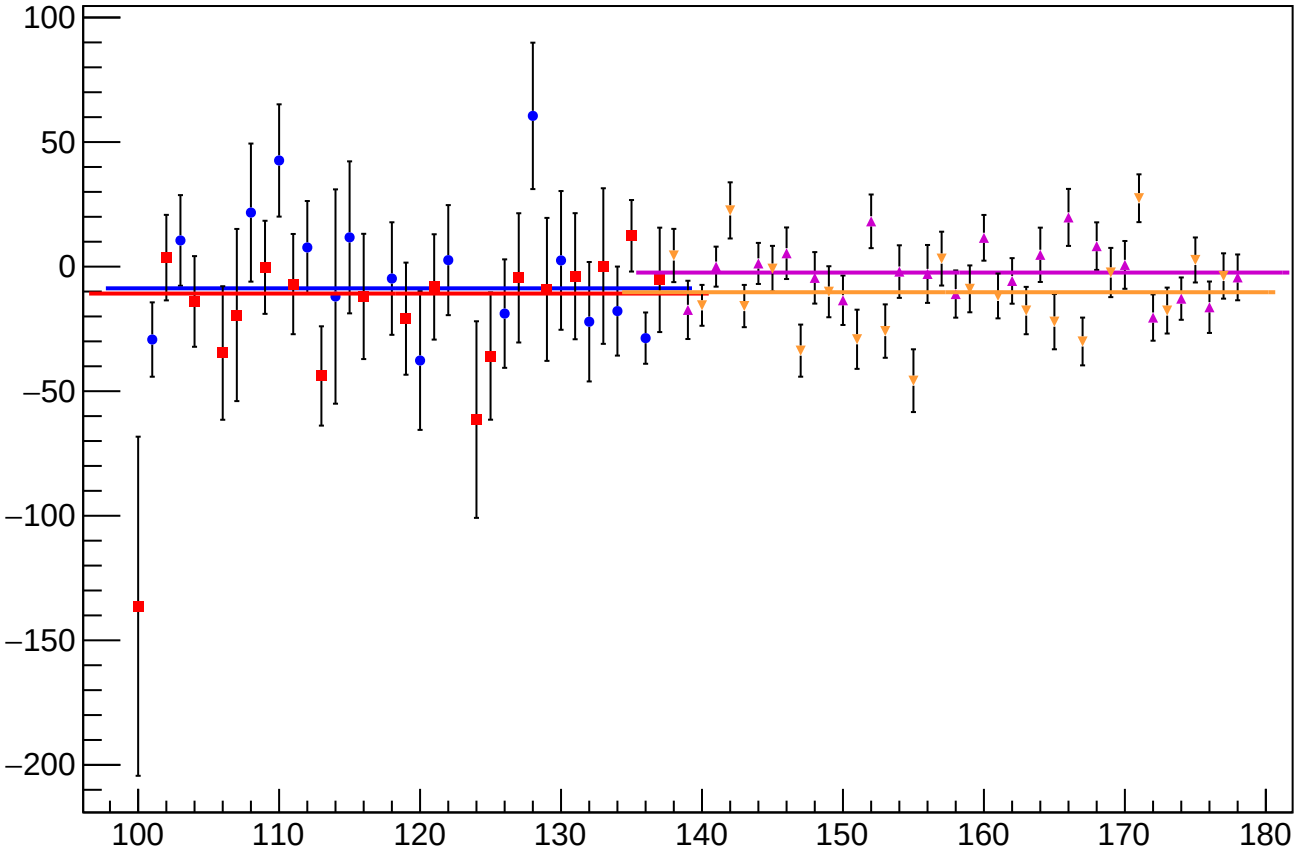
Left In: 430.223+/-0.075 χ^2/NDF:5132.9/19

+ sign 437.860+/-0.063 χ^2/NDF: 127357.7/36

All: 438.754+/-0.045 χ^2/NDF: 240629.4/75

- sign 439.658+/-0.064 χ^2/NDF: 112871.5/38

diff_bpm_4aX_4eX_avg_mean vs Slug



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -10.273+/-2.144 χ^2/NDF:56.8/20

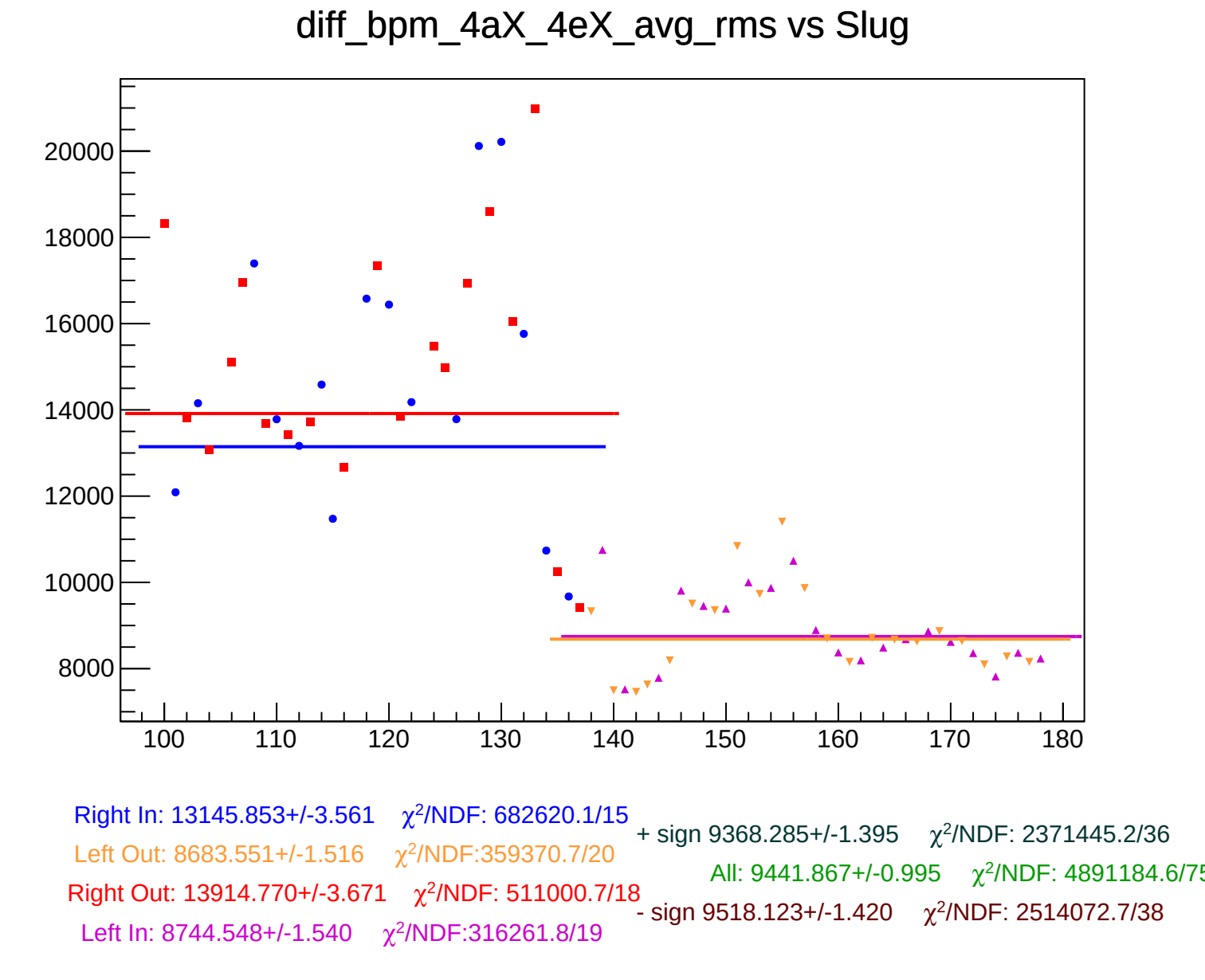
Right Out: -10.807+/-5.192 χ^2/NDF: 13.9/18

Left In: -2.386+/-2.178 χ^2/NDF:23.4/19

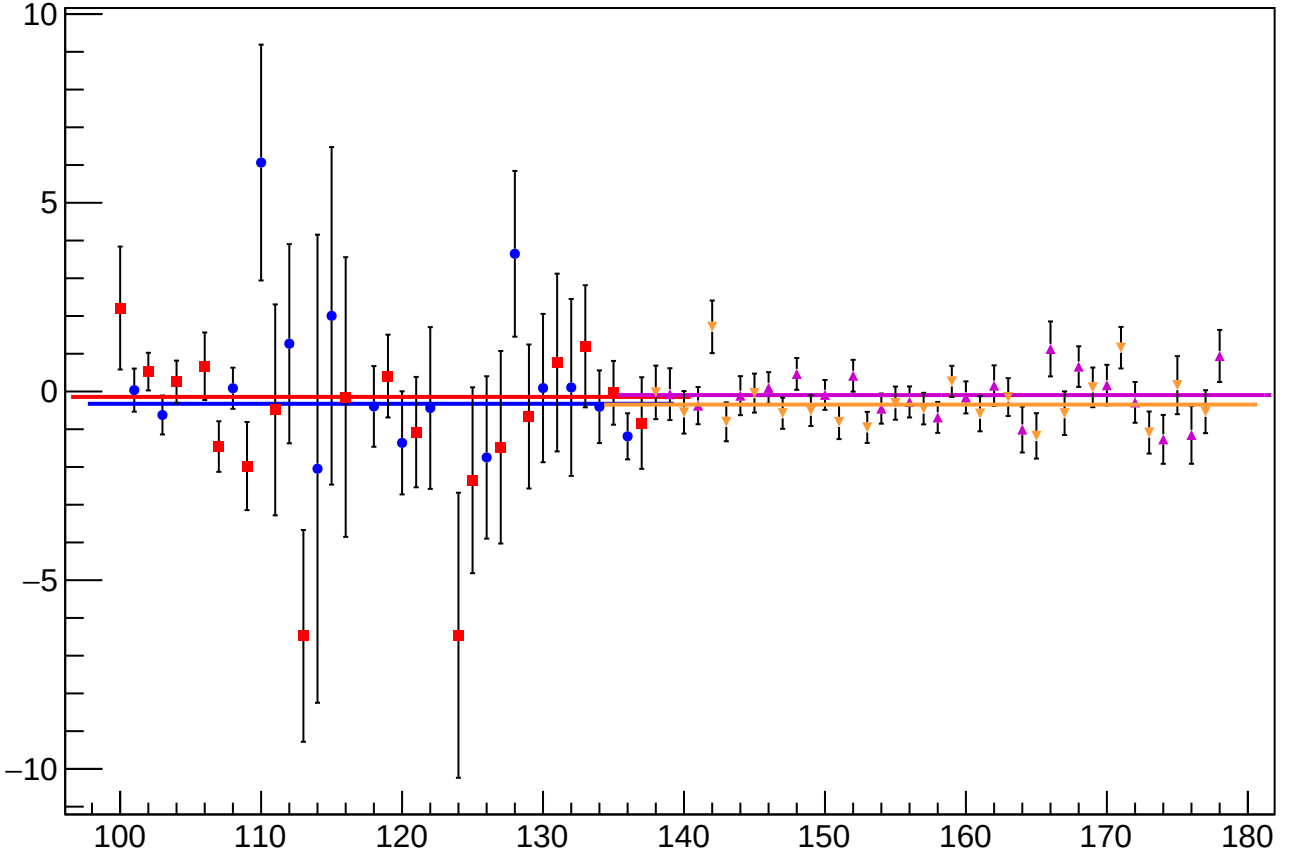
+ sign -10.033+/-1.973 χ^2/NDF: 79.2/36

All: -6.896+/-1.407 χ^2/NDF: 123.8/75

- sign -3.646+/-2.008 χ^2/NDF: 39.5/38


diff_bpm_4aX_4eX_avg_rms vs Slug
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
180
Right In: 13145.853+/-3.561 χ²/NDF: 682620.1/15
Left Out: 8683.551+/-1.516 χ²/NDF:359370.7/20
Right Out: 13914.770+/-3.671 χ²/NDF: 511000.7/18
Left In: 8744.548+/-1.540 χ²/NDF:316261.8/19
+ sign 9368.285+/-1.395 χ²/NDF: 2371445.2/36
All: 9441.867+/-0.995 χ²/NDF: 4891184.6/75
- sign 9518.123+/-1.420 χ²/NDF: 2514072.7/38

diff_bpm_4aX_4eX_dd_mean vs Slug



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.347+/-0.110 χ^2/NDF:29.2/20

Right Out: -0.144+/-0.244 χ^2/NDF: 22.5/18

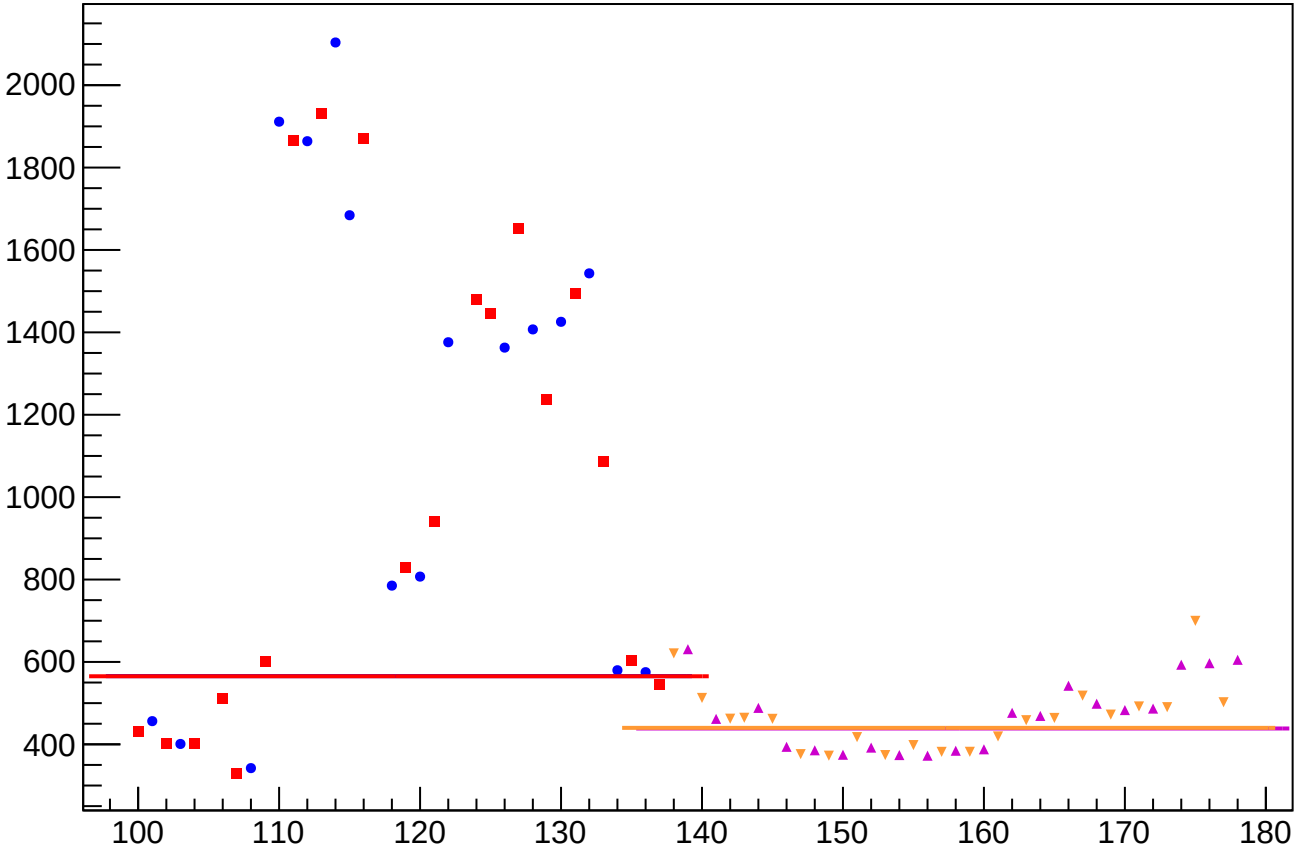
Left In: -0.096+/-0.111 χ^2/NDF:22.0/19

+ sign -0.343+/-0.100 χ^2/NDF: 41.8/36

All: -0.225+/-0.071 χ^2/NDF: 89.1/75

- sign -0.104+/-0.101 χ^2/NDF: 44.5/38

diff_bpm_4aX_4eX_dd_rms vs Slug



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 439.978+/-0.077 χ^2/NDF:769142.0/20

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

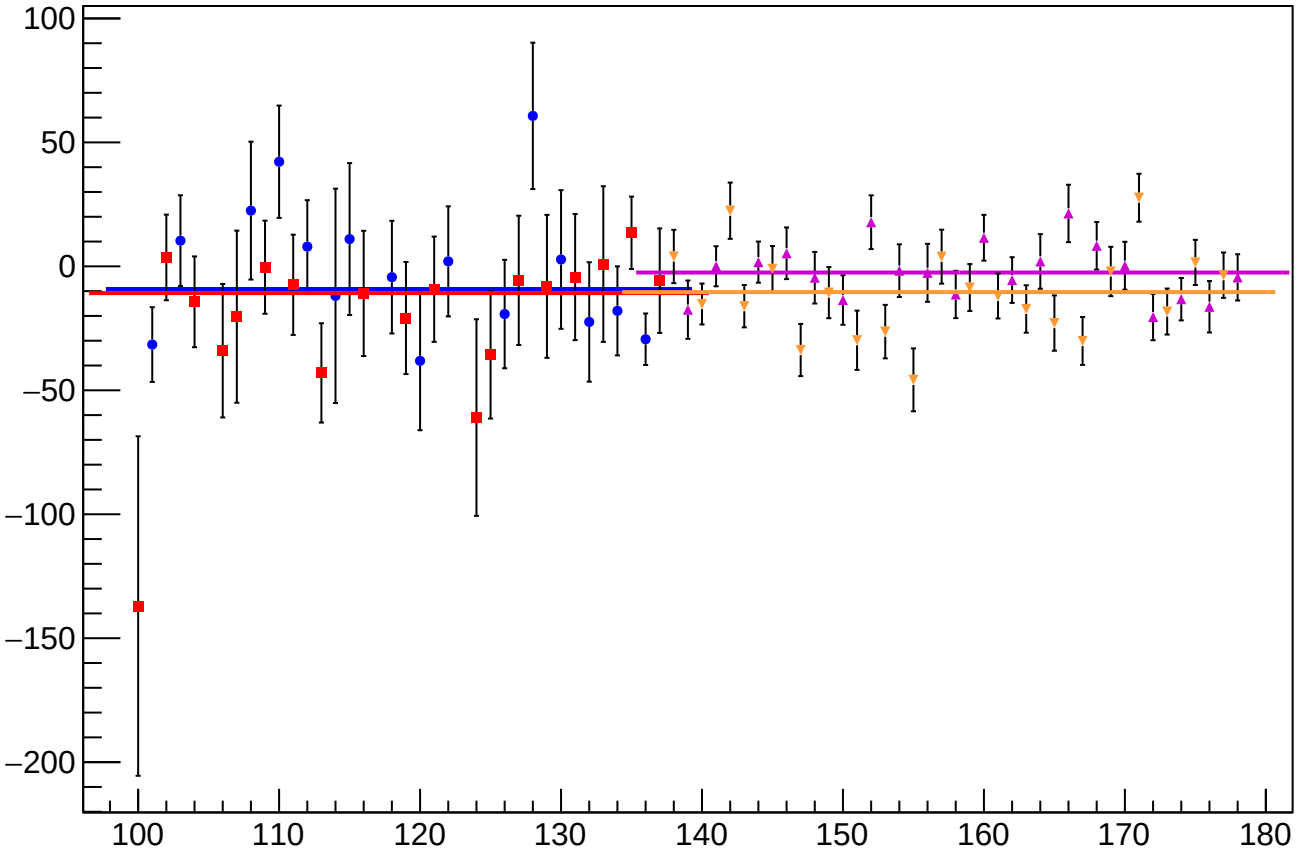
Left In: 438.466+/-0.078 χ^2/NDF:905406.6/19

+ sign 461.012+/-0.071 χ^2/NDF: 4660053.2/36

All: 460.522+/-0.050 χ^2/NDF: 9583790.2/75

- sign 460.023+/-0.071 χ^2/NDF: 4923639.9/38

diff_bpm_4aX_4ecX_avg_mean vs Slug



Right In: -9.130+/-5.069 χ^2/NDF: 22.7/15

Left Out: -10.398+/-2.158 χ^2/NDF:56.5/20

Right Out: -10.788+/-5.227 χ^2/NDF: 13.7/18

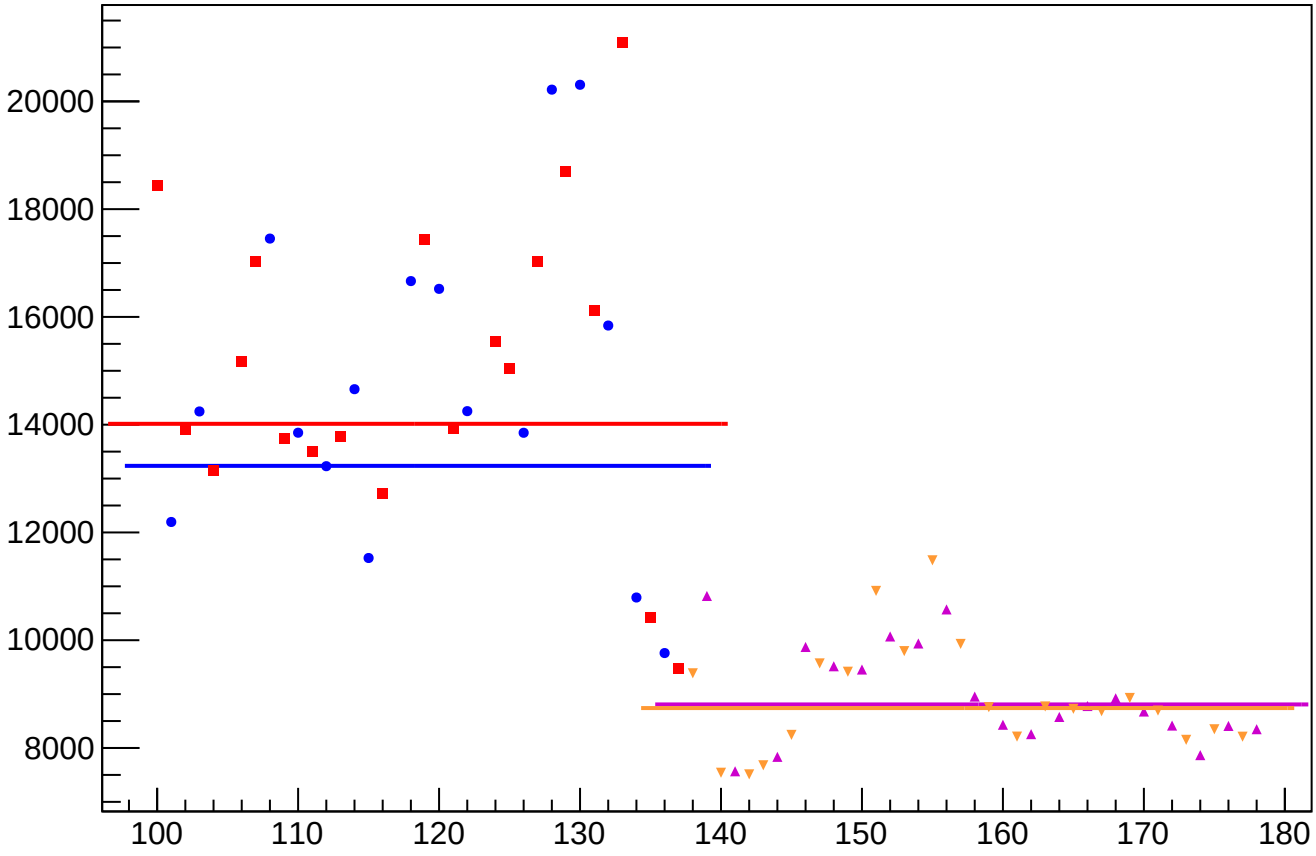
Left In: -2.491+/-2.194 χ^2/NDF:23.4/19

+ sign -10.204+/-1.986 χ^2/NDF: 79.3/36

All: -7.028+/-1.417 χ^2/NDF: 123.7/75

- sign -3.733+/-2.023 χ^2/NDF: 39.2/38

diff_bpm_4aX_4ecX_avg_rms vs Slug



Right In: 13235.828+/-3.585 χ^2/NDF: 673887.0/15

Left Out: 8740.612+/-1.526 χ^2/NDF:359746.9/20

Right Out: 14016.035+/-3.696 χ^2/NDF: 498592.9/18

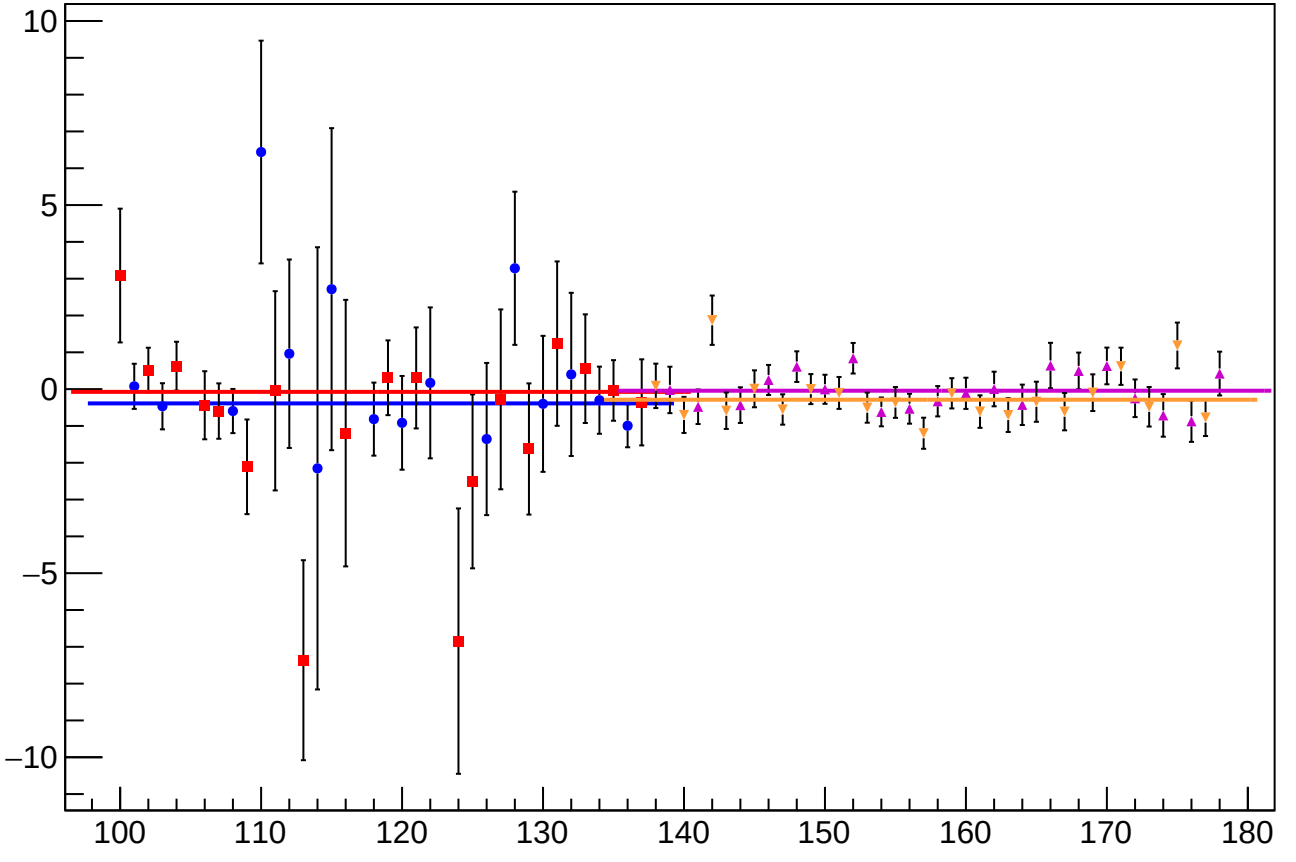
Left In: 8808.115+/-1.551 χ^2/NDF:315016.2/19

+ sign 9430.311+/-1.404 χ^2/NDF: 2365025.9/36

All: 9507.619+/-1.002 χ^2/NDF: 4872712.6/75

- sign 9587.838+/-1.430 χ^2/NDF: 2501509.2/38

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.288+/-0.104 χ^2/NDF:30.3/20

Right Out: -0.075+/-0.265 χ^2/NDF: 21.7/18

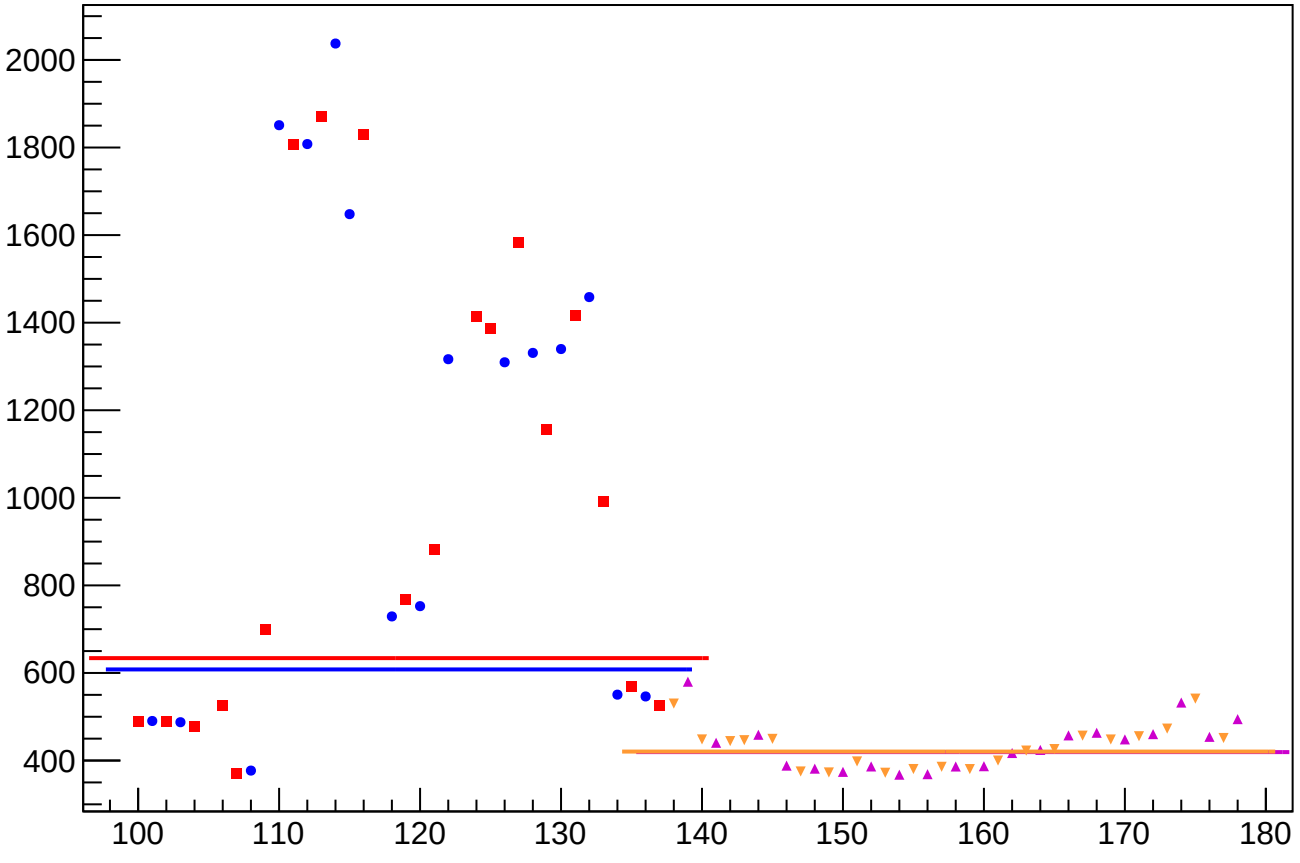
Left In: -0.043+/-0.105 χ^2/NDF:22.1/19

+ sign -0.302+/-0.096 χ^2/NDF: 42.1/36

All: -0.177+/-0.069 χ^2/NDF: 89.3/75

- sign -0.048+/-0.098 χ^2/NDF: 43.8/38

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 420.468+/-0.073 χ^2/NDF:355607.0/20

Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

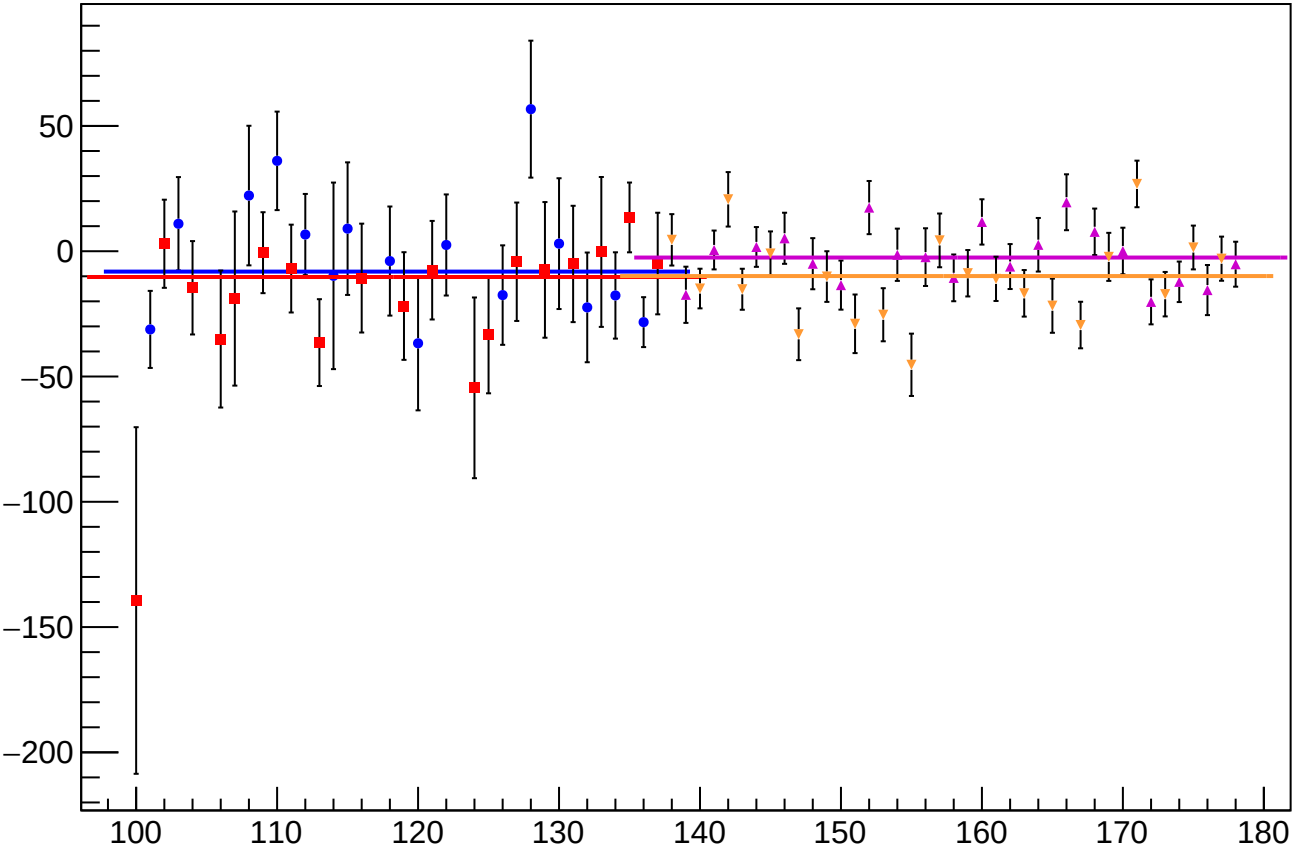
Left In: 419.250+/-0.074 χ^2/NDF:463163.4/19

+ sign 447.045+/-0.068 χ^2/NDF: 4132296.4/36

All: 447.754+/-0.048 χ^2/NDF: 8521541.9/75

- sign 448.482+/-0.069 χ^2/NDF: 4389025.7/38

diff_bpm_4eX_4ecX_avg_mean vs Slug



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -9.913+/-2.087 χ^2/NDF:57.0/20

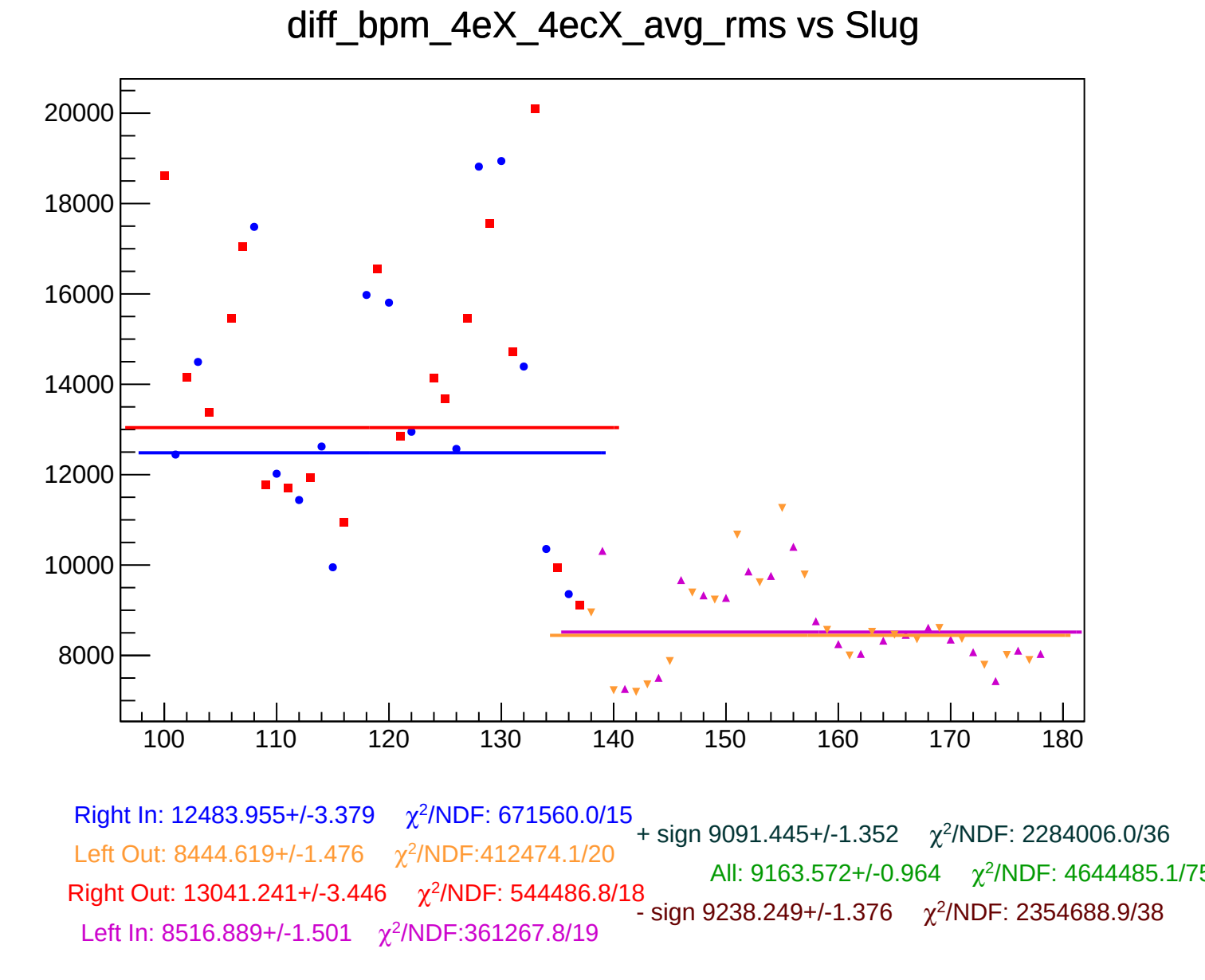
Right Out: -10.288+/-4.873 χ^2/NDF: 13.7/18

Left In: -2.521+/-2.122 χ^2/NDF:23.5/19

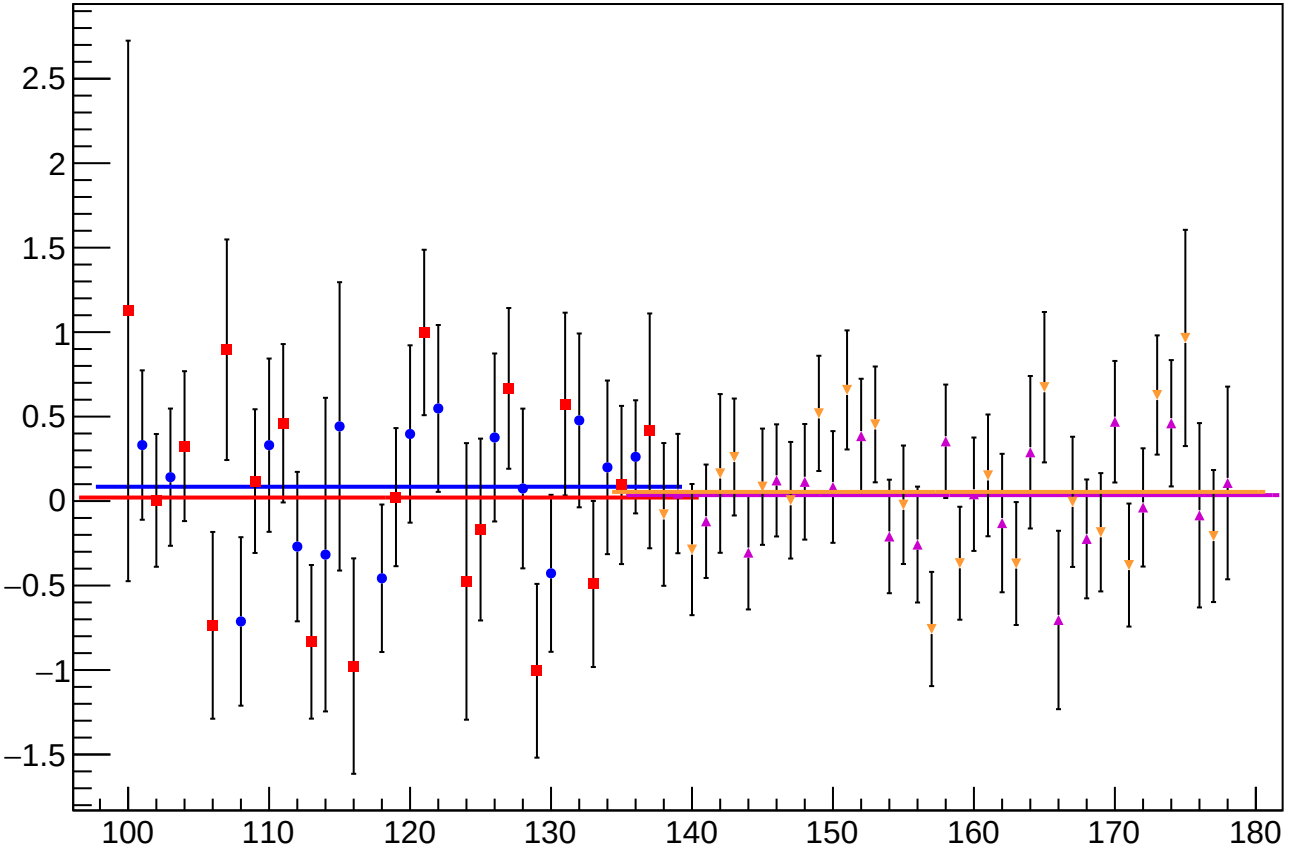
+ sign -9.628+/-1.912 χ^2/NDF: 80.2/36

All: -6.744+/-1.364 χ^2/NDF: 124.2/75

- sign -3.759+/-1.946 χ^2/NDF: 39.4/38


diff_bpm_4eX_4ecX_avg_rms vs Slug
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
180
Right In: 12483.955+/-3.379 χ²/NDF: 671560.0/15
Left Out: 8444.619+/-1.476 χ²/NDF:412474.1/20
Right Out: 13041.241+/-3.446 χ²/NDF: 544486.8/18
Left In: 8516.889+/-1.501 χ²/NDF:361267.8/19
+ sign 9091.445+/-1.352 χ²/NDF: 2284006.0/36
All: 9163.572+/-0.964 χ²/NDF: 4644485.1/75
- sign 9238.249+/-1.376 χ²/NDF: 2354688.9/38

diff_bpm_4eX_4ecX_dd_mean vs Slug



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.054+/-0.081 χ^2/NDF:25.3/20

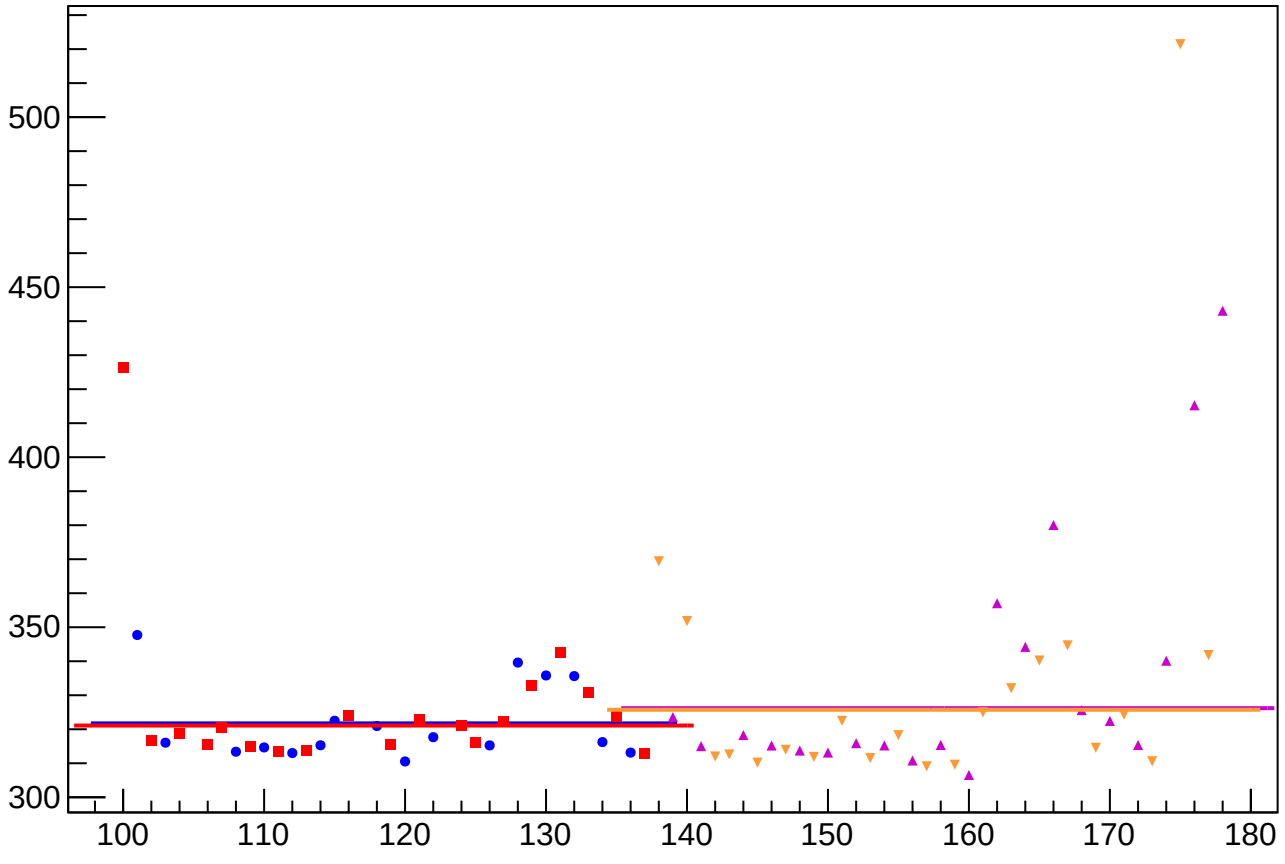
Right Out: 0.021+/-0.117 χ^2/NDF: 24.3/18

Left In: 0.035+/-0.082 χ^2/NDF:10.4/19

+ sign 0.064+/-0.067 χ^2/NDF: 34.7/36

All: 0.047+/-0.048 χ^2/NDF: 69.5/75

- sign 0.031+/-0.067 χ^2/NDF: 34.7/38



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 325.734+/-0.057 χ^2/NDF:262465.1/20

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

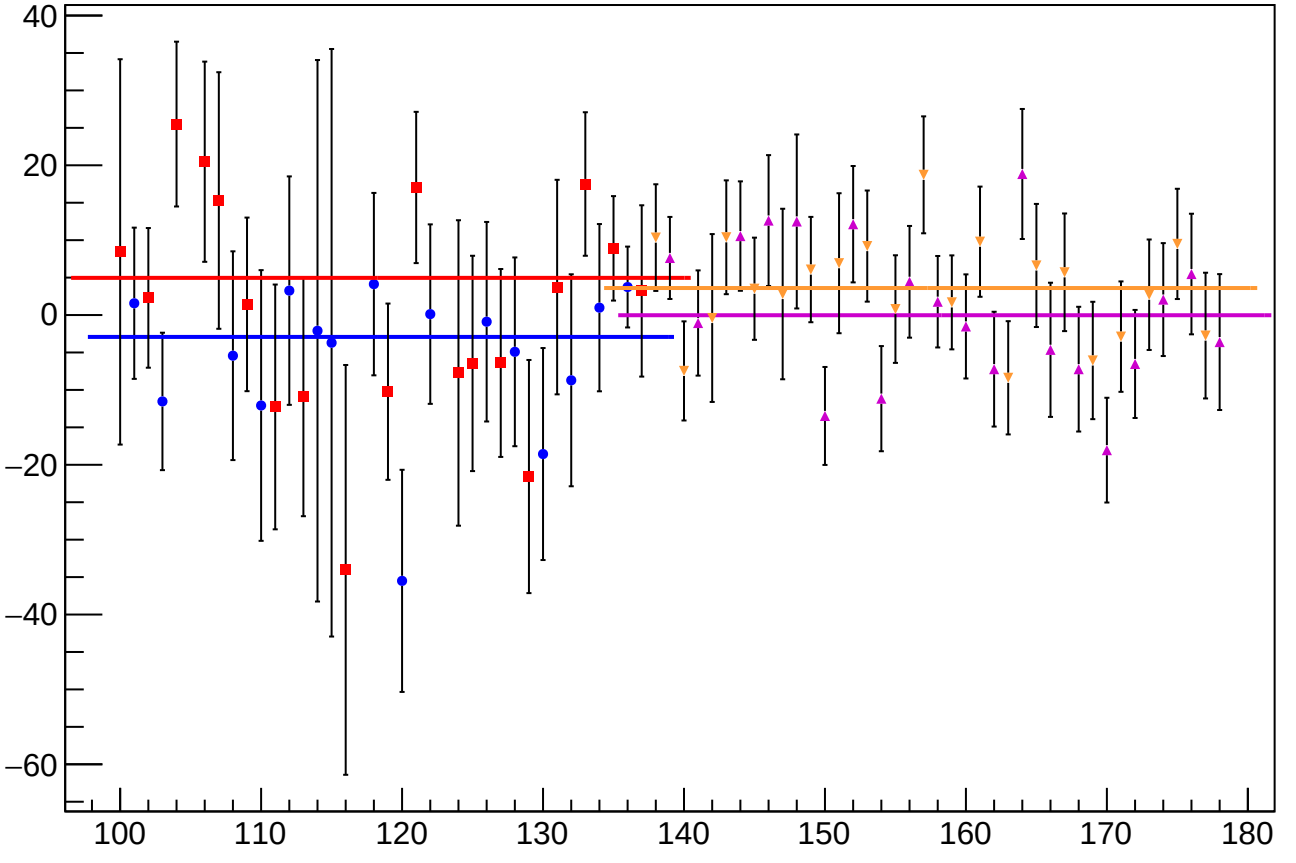
Left In: 326.194+/-0.058 χ^2/NDF:205861.9/19

+ sign 324.484+/-0.047 χ^2/NDF: 282210.0/36

All: 324.502+/-0.034 χ^2/NDF: 507184.5/75

- sign 324.520+/-0.048 χ^2/NDF: 224974.2/38

diff_bpm_4aY_4acY_avg_mean vs Slug



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

Left Out: 3.608+/-1.665 χ^2/NDF:16.4/20

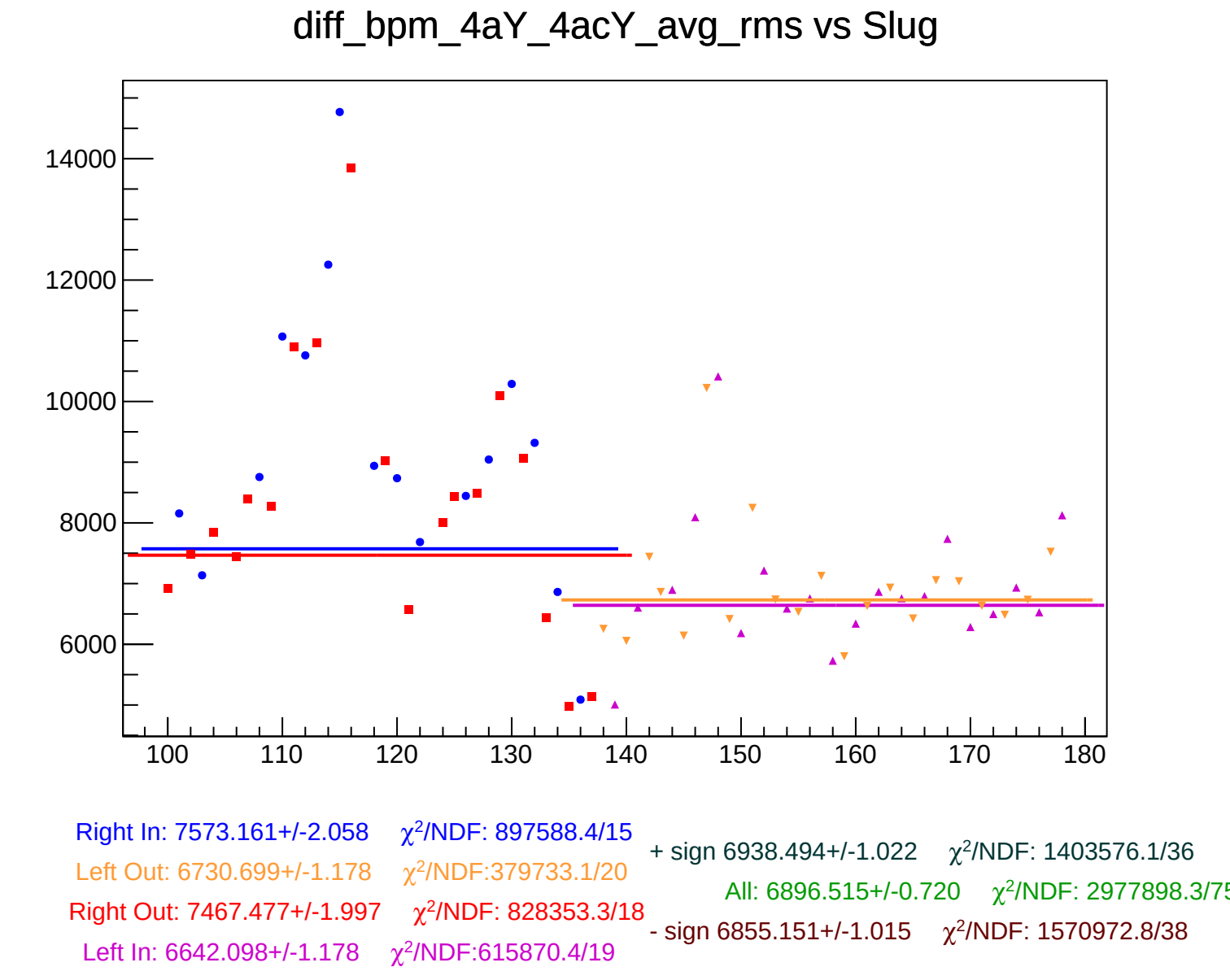
Right Out: 4.965+/-2.824 χ^2/NDF: 19.4/18

Left In: -0.026+/-1.666 χ^2/NDF:31.8/19

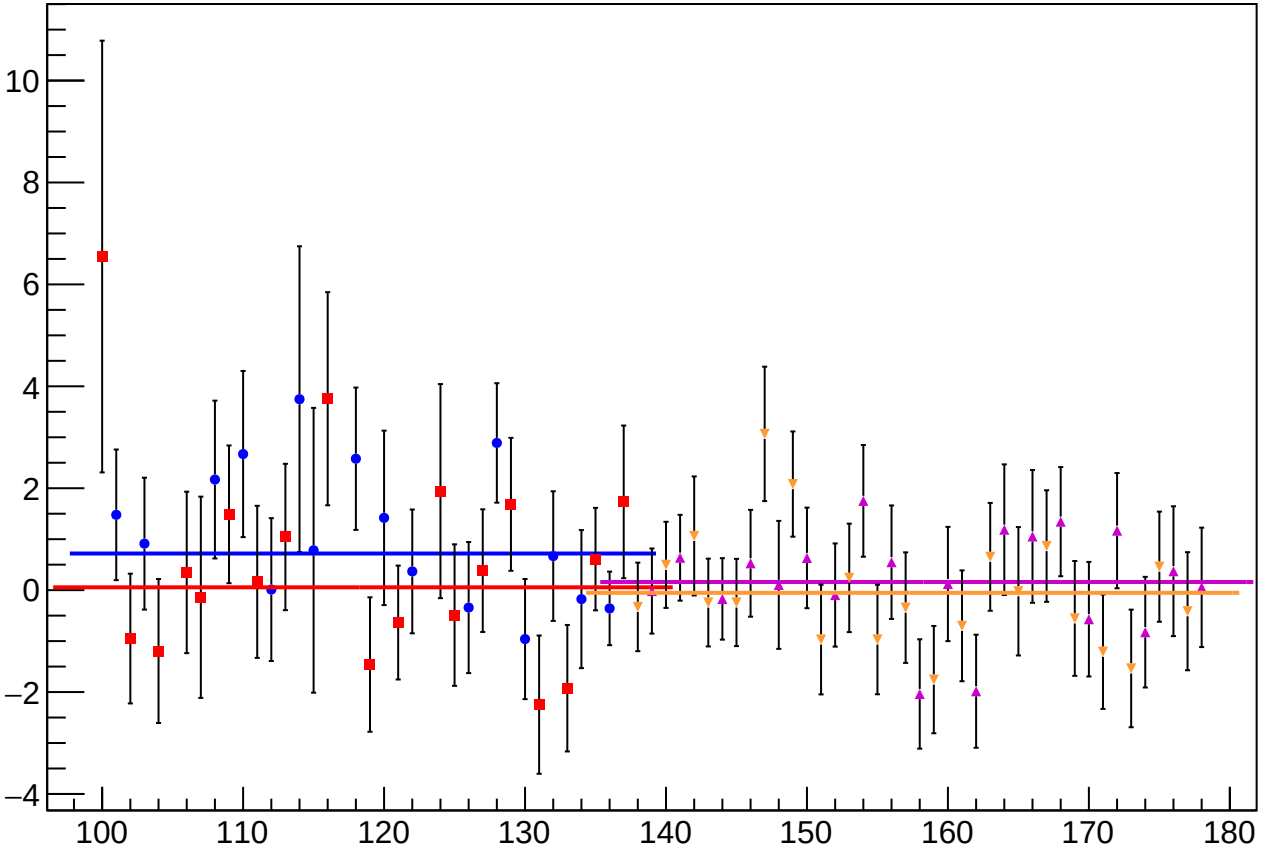
+ sign 1.998+/-1.445 χ^2/NDF: 30.0/36

All: 1.627+/-1.018 χ^2/NDF: 83.7/75

- sign 1.263+/-1.435 χ^2/NDF: 53.5/38


diff_bpm_4aY_4acY_avg_rms vs Slug
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
180
Right In: 7573.161+/-2.058 χ²/NDF: 897588.4/15
Left Out: 6730.699+/-1.178 χ²/NDF:379733.1/20
Right Out: 7467.477+/-1.997 χ²/NDF: 828353.3/18
Left In: 6642.098+/-1.178 χ²/NDF:615870.4/19
+ sign 6938.494+/-1.022 χ²/NDF: 1403576.1/36
All: 6896.515+/-0.720 χ²/NDF: 2977898.3/75
- sign 6855.151+/-1.015 χ²/NDF: 1570972.8/38

diff_bpm_4aY_4acY_dd_mean vs Slug



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: -0.052+/-0.228 χ^2/NDF:20.4/20

Right Out: 0.056+/-0.323 χ^2/NDF: 19.8/18

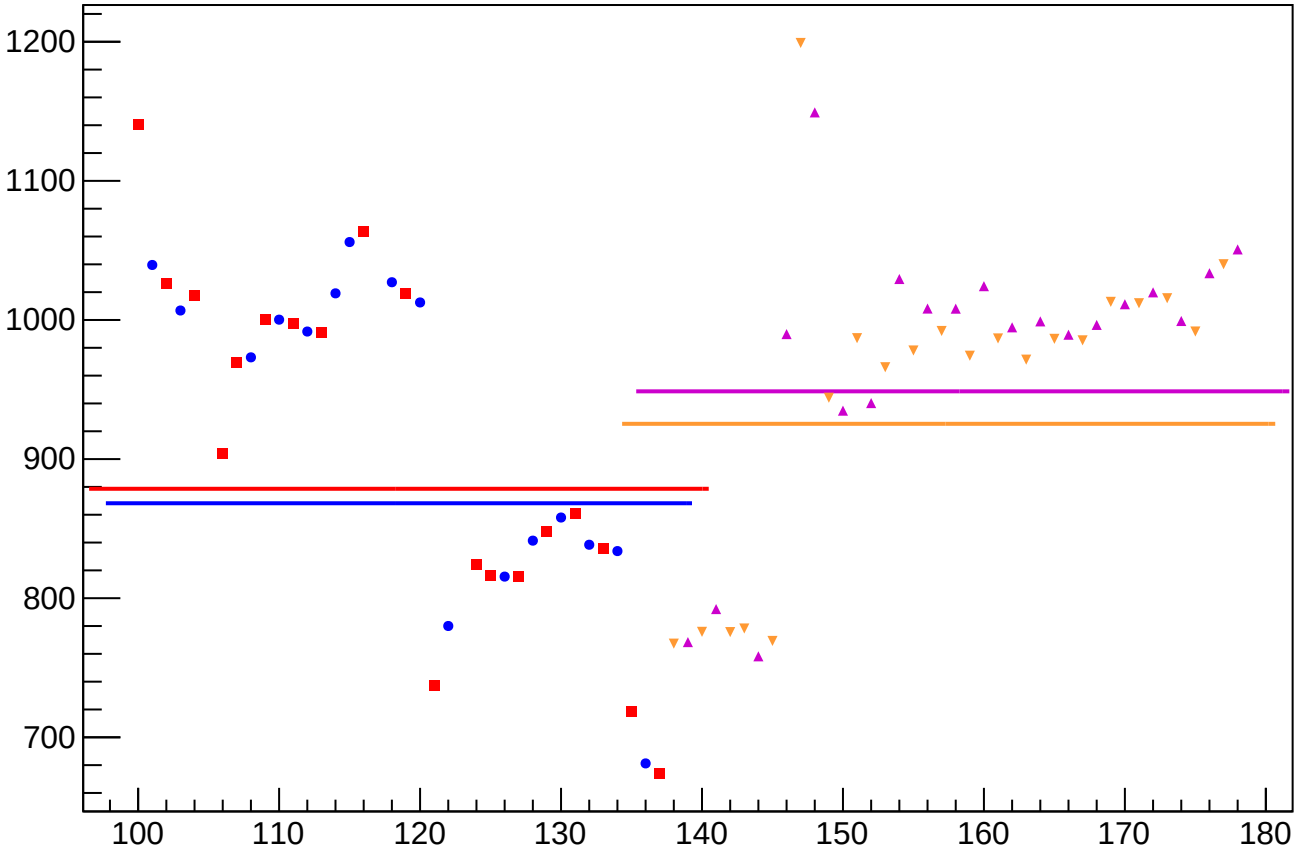
Left In: 0.160+/-0.236 χ^2/NDF:15.5/19

+ sign 0.201+/-0.187 χ^2/NDF: 38.9/36

All: 0.163+/-0.134 χ^2/NDF: 74.4/75

- sign 0.124+/-0.191 χ^2/NDF: 35.4/38

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 925.355+/-0.161 χ^2/NDF:483859.1/20

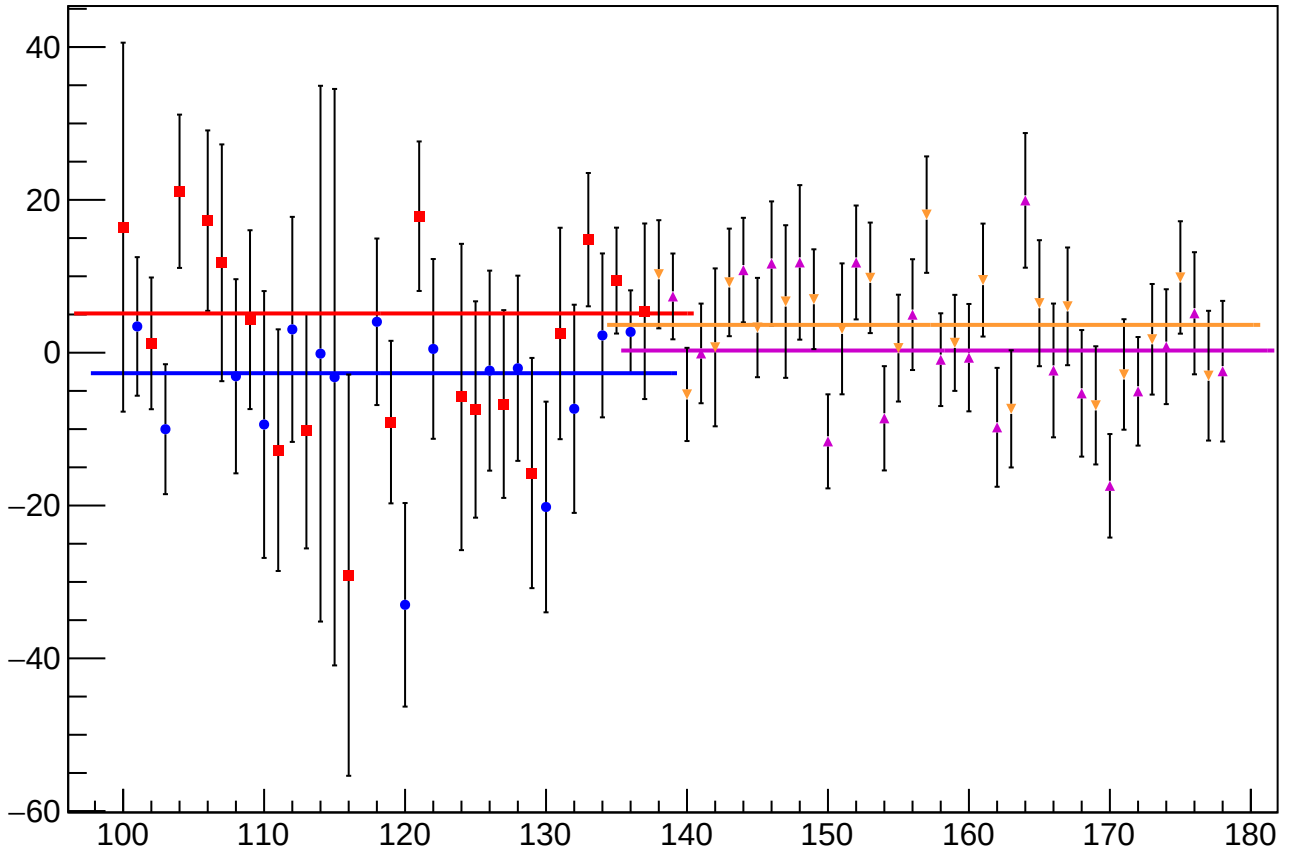
Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

Left In: 948.702+/-0.167 χ^2/NDF:417295.7/19

\+ sign 906.558+/-0.132 χ^2/NDF: 827451.1/36

All: 915.259+/-0.094 χ^2/NDF: 1587288.2/75

\- sign 924.317+/-0.135 χ^2/NDF: 750998.8/38



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 3.641+/-1.615 χ^2/NDF:15.8/20

Right Out: 5.136+/-2.692 χ^2/NDF: 17.3/18

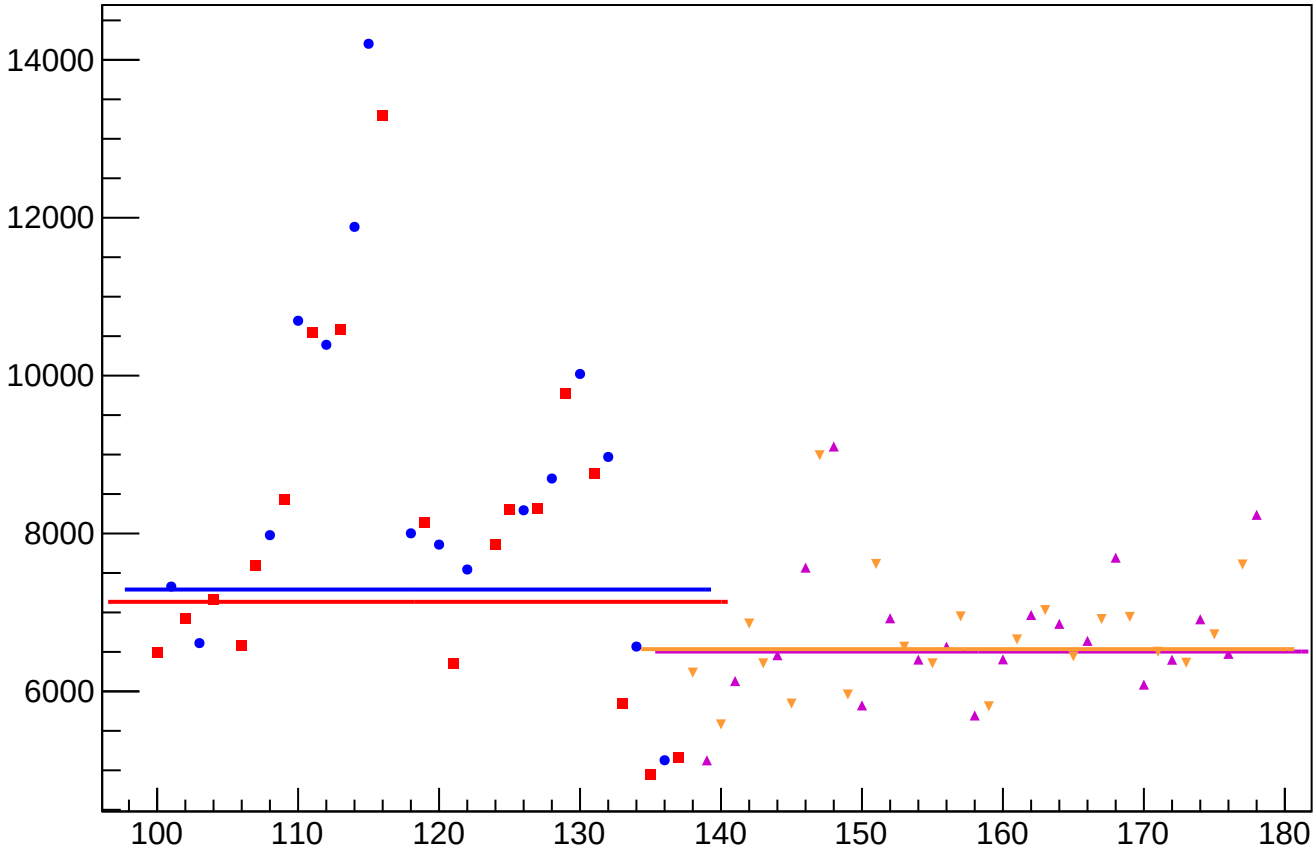
Left In: 0.285+/-1.627 χ^2/NDF:30.6/19

+ sign 2.052+/-1.397 χ^2/NDF: 29.7/36

All: 1.817+/-0.986 χ^2/NDF: 79.9/75

- sign 1.583+/-1.393 χ^2/NDF: 50.2/38

diff_bpm_4aY_4eY_avg_rms vs Slug



Right In: 7290.246+/-1.972 χ^2/NDF: 770518.2/15

Left Out: 6535.101+/-1.142 χ^2/NDF:334265.5/20

Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

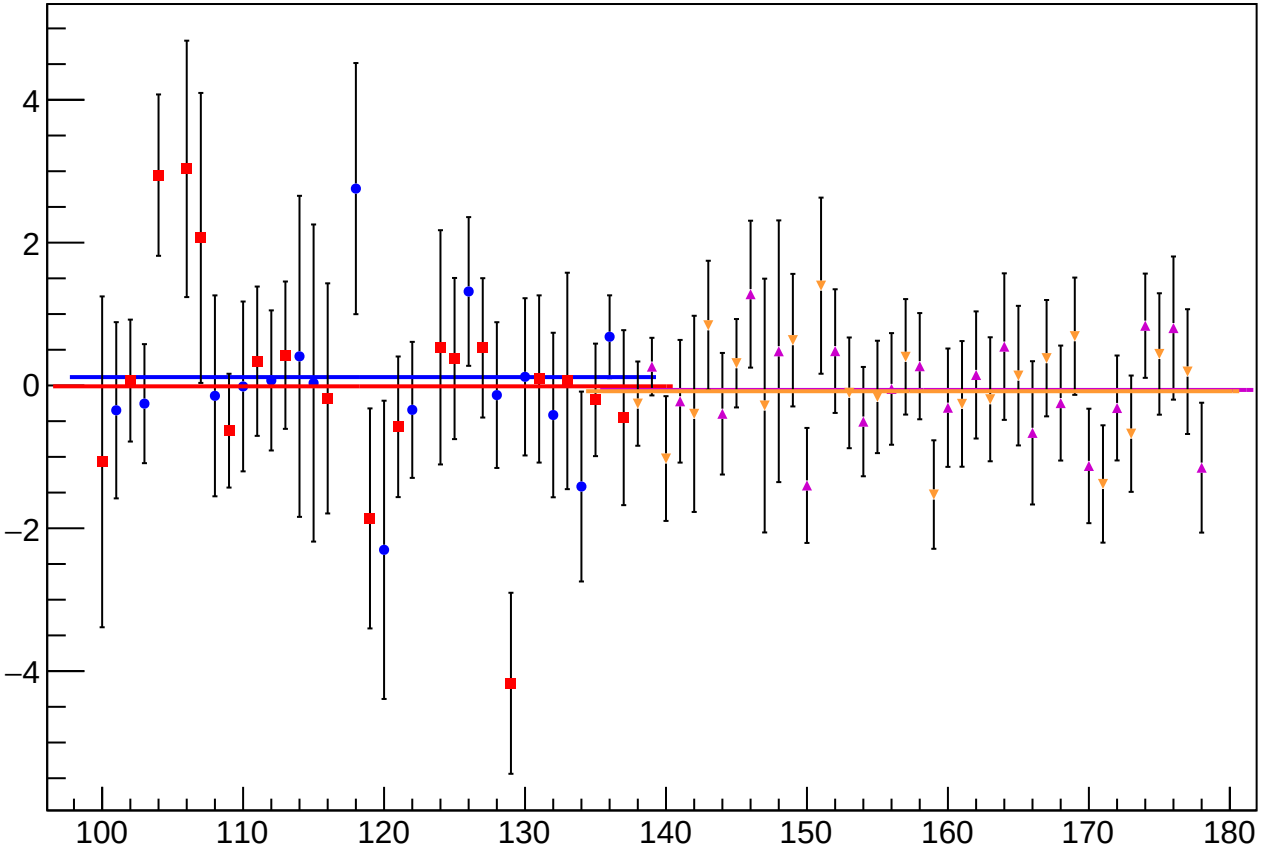
Left In: 6504.569+/-1.151 χ^2/NDF:497804.3/19

+ sign 6724.775+/-0.988 χ^2/NDF: 1214640.5/36

All: 6698.863+/-0.697 χ^2/NDF: 2586791.0/75

- sign 6673.128+/-0.985 χ^2/NDF: 1370779.8/38

diff_bpm_4aY_4eY_dd_mean vs Slug



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: -0.081+/-0.184 χ^2/NDF:13.6/20

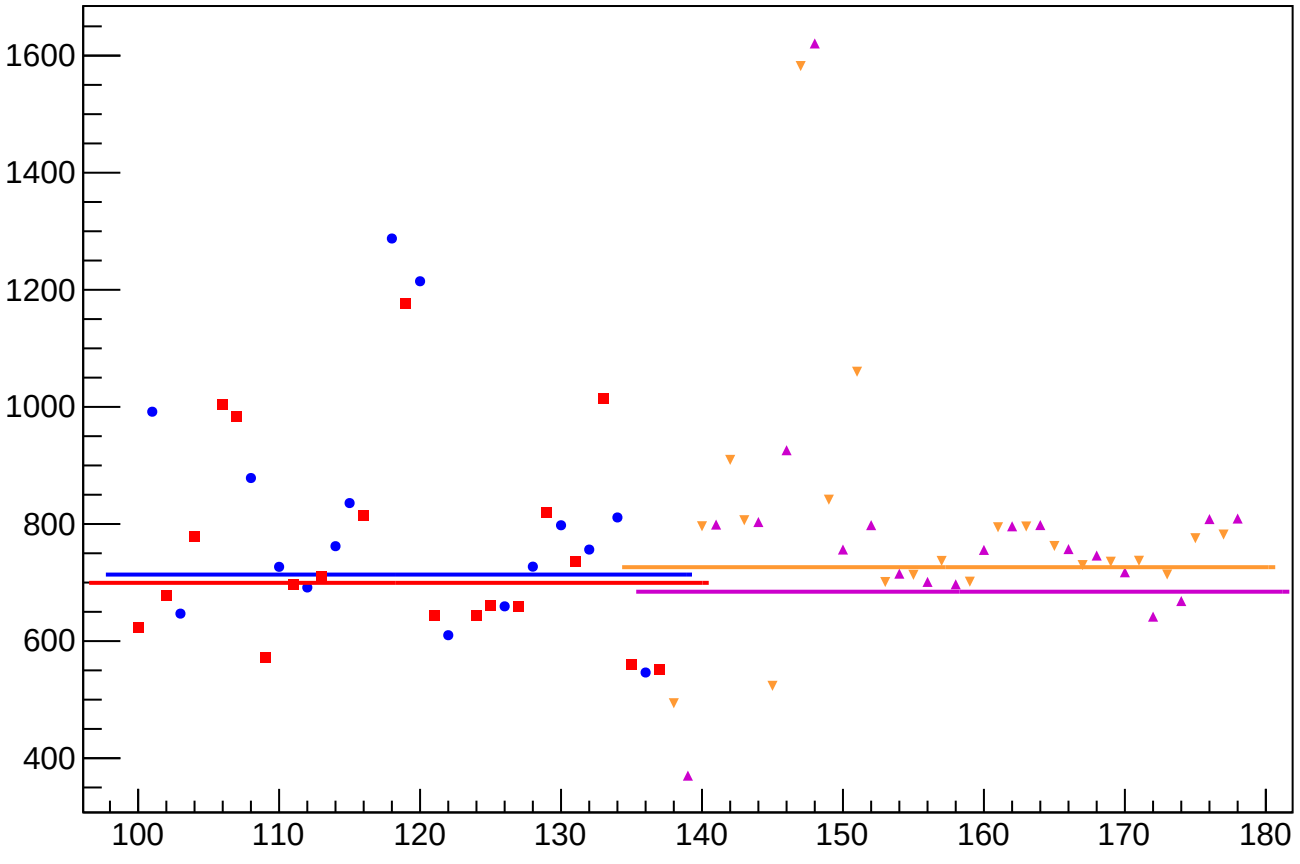
Right Out: -0.012+/-0.263 χ^2/NDF: 25.2/18

Left In: -0.063+/-0.177 χ^2/NDF:12.8/19

+ sign -0.019+/-0.153 χ^2/NDF: 22.1/36

All: -0.033+/-0.106 χ^2/NDF: 60.1/75

- sign -0.047+/-0.147 χ^2/NDF: 38.0/38



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 726.262+/-0.130 χ^2/NDF:1279075.5/20

Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

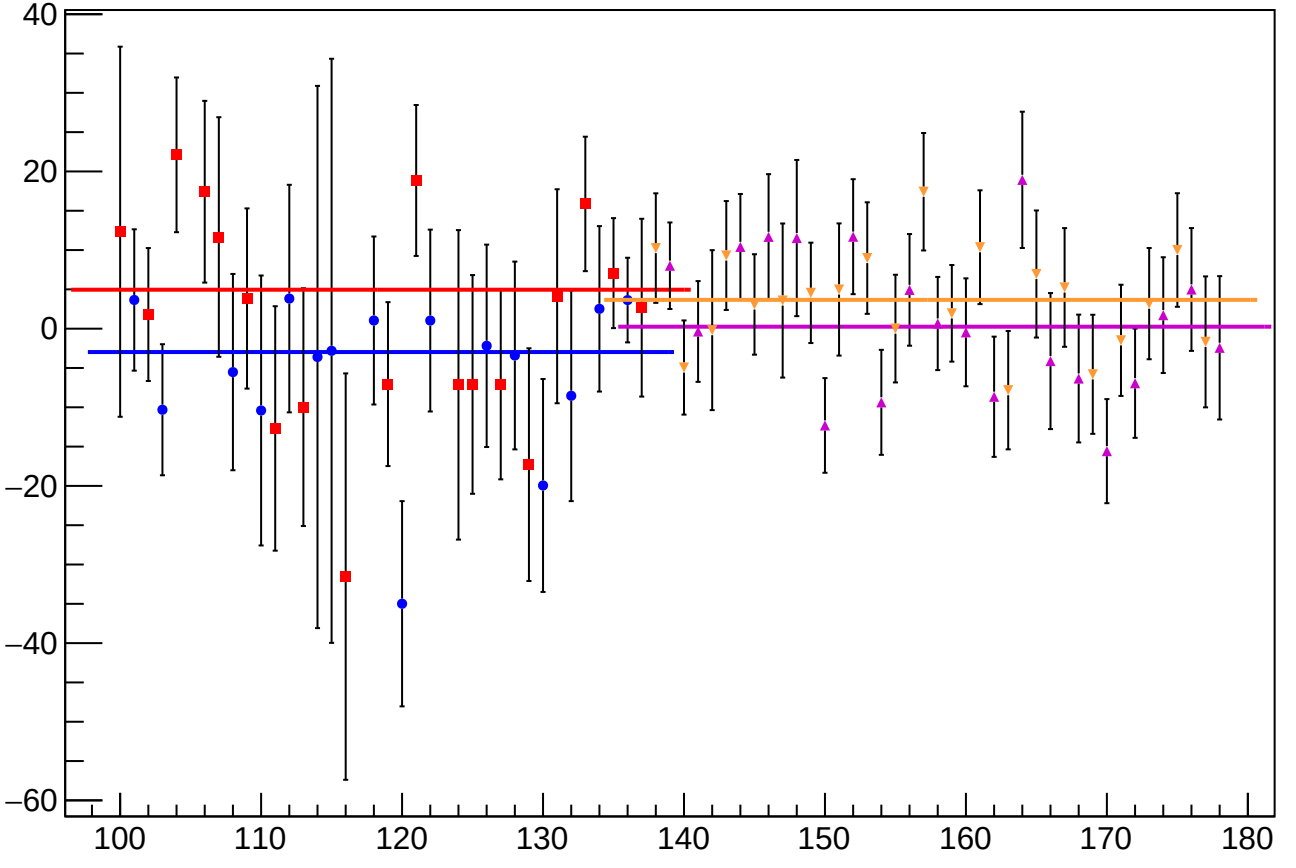
Left In: 684.357+/-0.125 χ^2/NDF:2149237.2/19

+ sign 722.321+/-0.108 χ^2/NDF: 1981323.5/36

All: 705.082+/-0.075 χ^2/NDF: 4760113.1/75

- sign 689.081+/-0.104 χ^2/NDF: 2729553.8/38

diff_bpm_4aY_4ecY_avg_mean vs Slug



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 3.666+/-1.584 χ^2/NDF:14.8/20

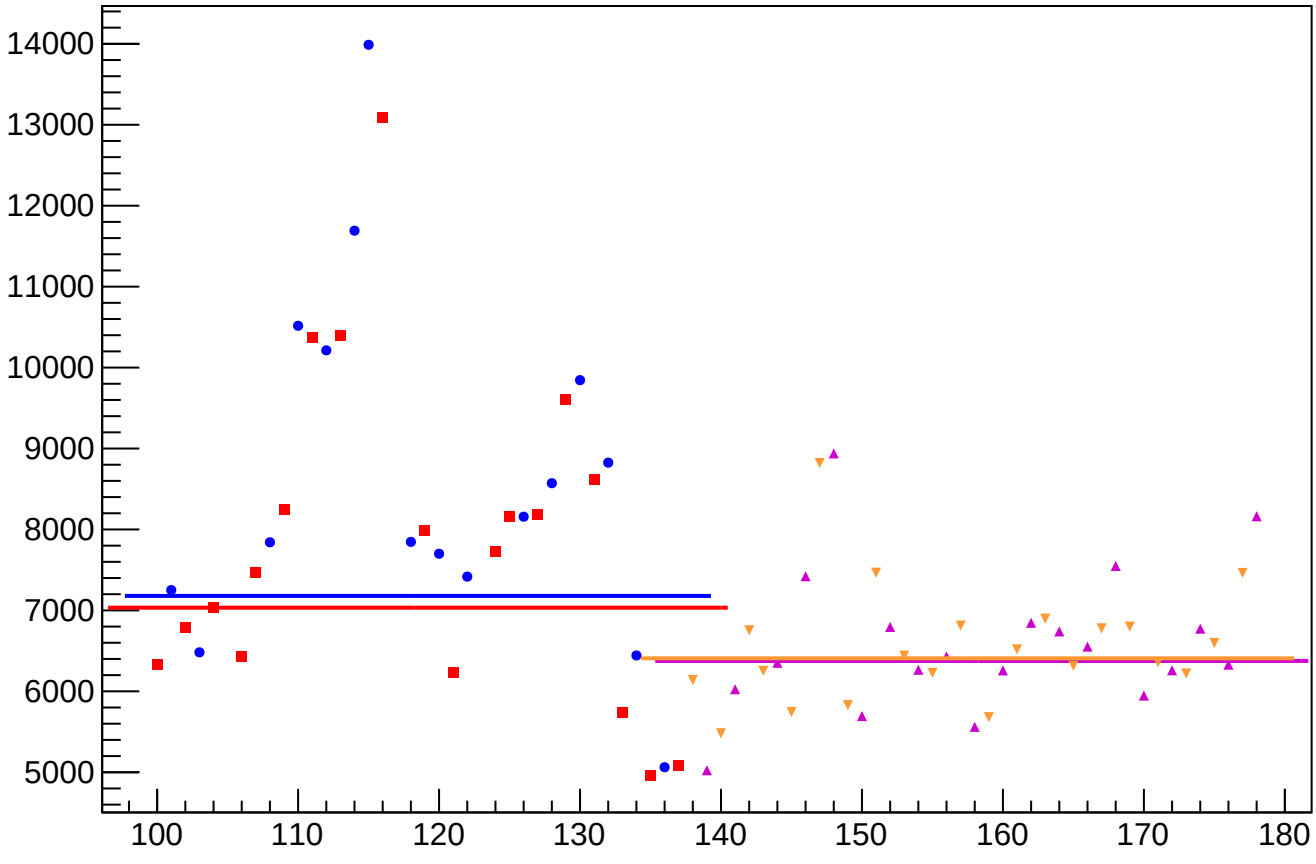
Right Out: 4.955+/-2.653 χ^2/NDF: 18.5/18

Left In: 0.252+/-1.596 χ^2/NDF:31.1/19

+ sign 2.009+/-1.372 χ^2/NDF: 30.8/36

All: 1.754+/-0.968 χ^2/NDF: 82.7/75

- sign 1.501+/-1.367 χ^2/NDF: 51.9/38



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6407.957+/-1.120 χ^2/NDF:334664.8/20

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

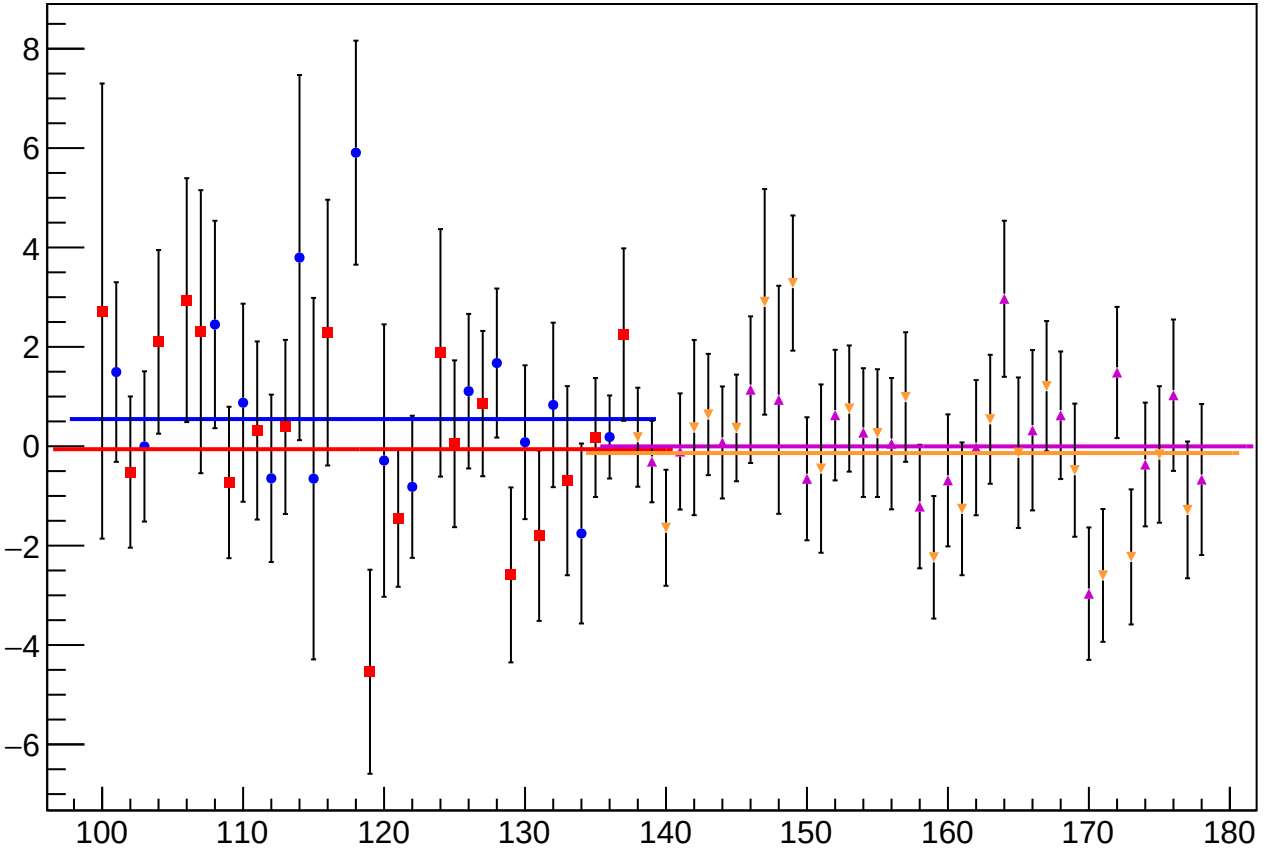
Left In: 6375.423+/-1.128 χ^2/NDF:510647.8/19

+ sign 6600.370+/-0.970 χ^2/NDF: 1214903.6/36

All: 6575.212+/-0.685 χ^2/NDF: 2583652.0/75

- sign 6550.219+/-0.967 χ^2/NDF: 1367407.6/38

diff_bpm_4aY_4ecY_dd_mean vs Slug



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: -0.137+/-0.288 χ^2/NDF:23.4/20

Right Out: -0.059+/-0.409 χ^2/NDF: 16.9/18

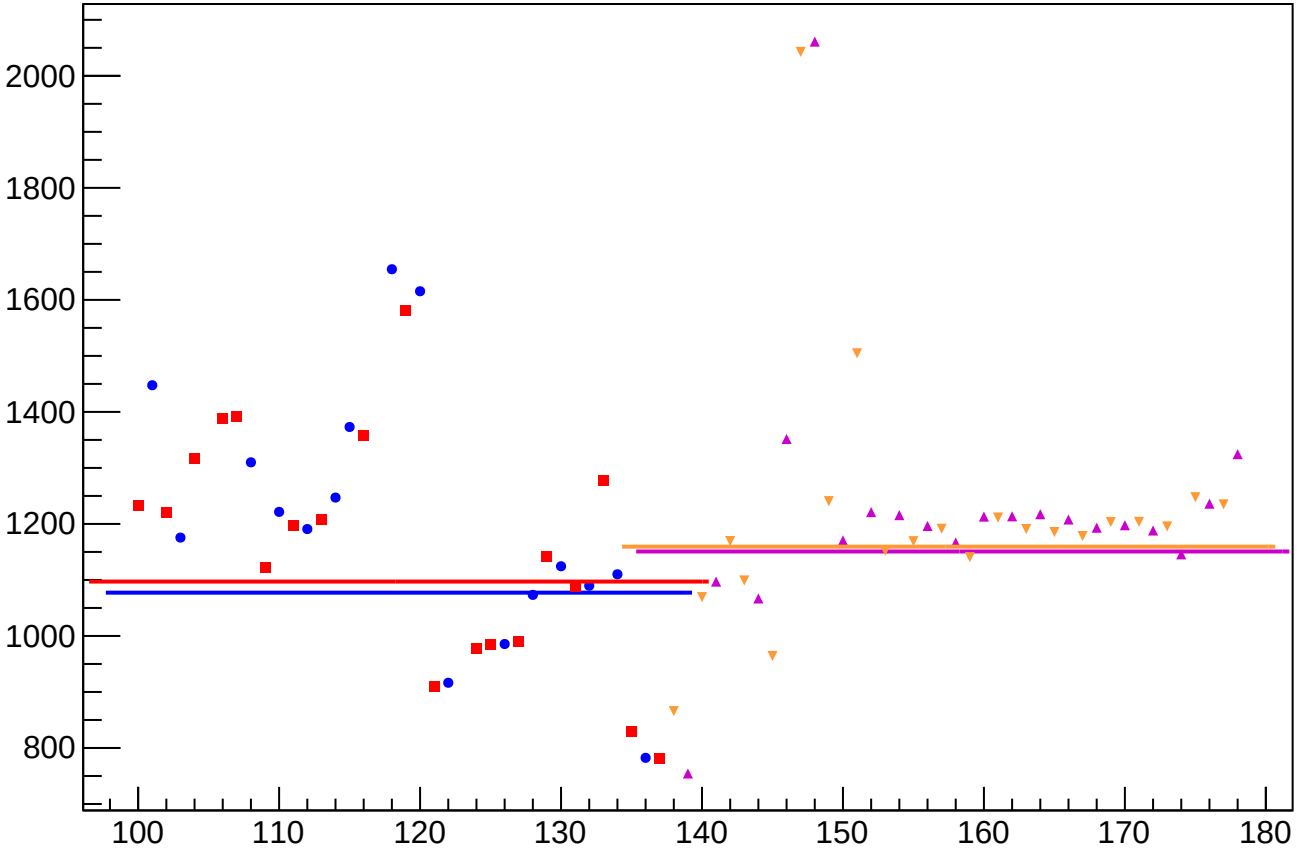
Left In: -0.003+/-0.290 χ^2/NDF:13.5/19

+ sign 0.088+/-0.236 χ^2/NDF: 37.2/36

All: 0.034+/-0.167 χ^2/NDF: 67.7/75

- sign -0.022+/-0.237 χ^2/NDF: 30.4/38

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1159.441+/-0.204 χ^2/NDF:676838.8/20

Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

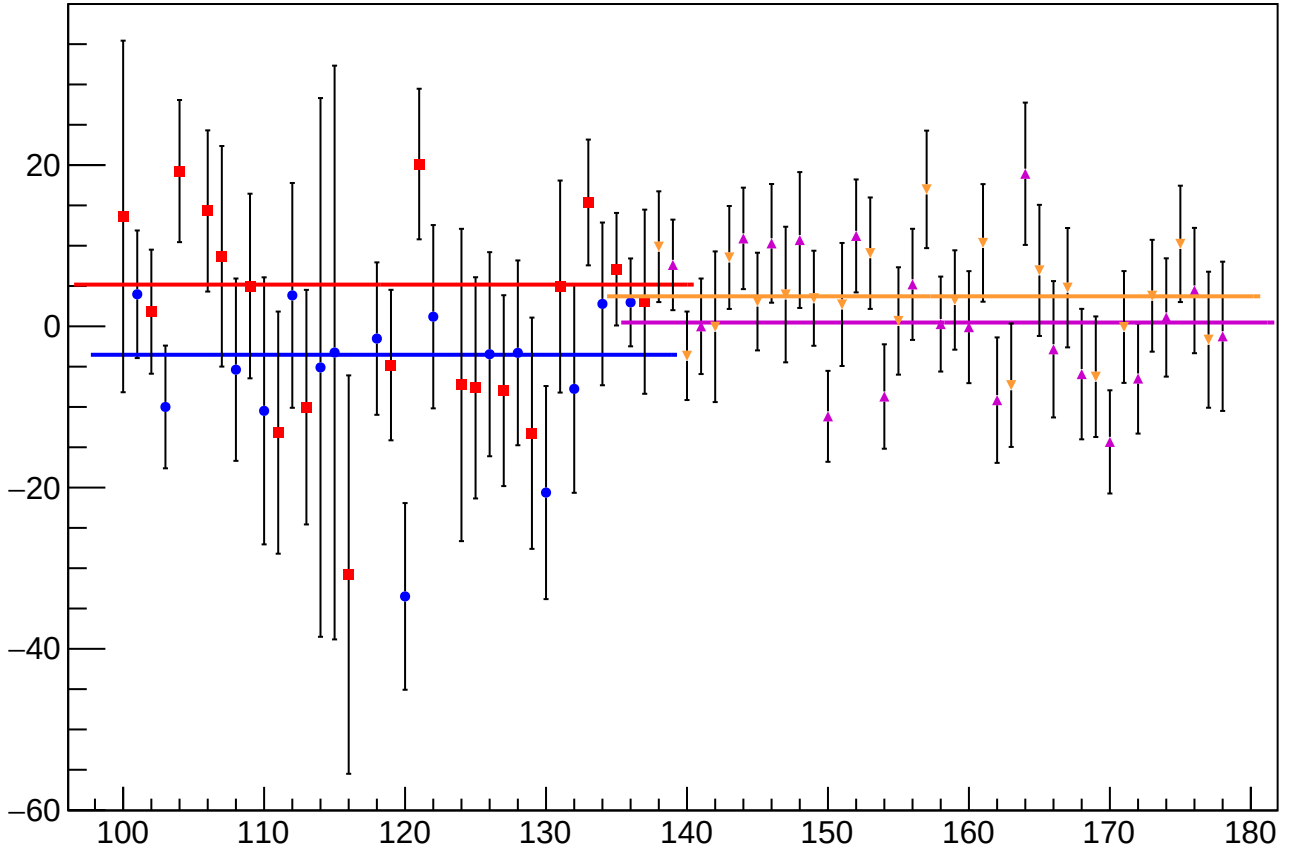
Left In: 1150.799+/-0.205 χ^2/NDF:901714.7/19

+ sign 1132.366+/-0.167 χ^2/NDF: 1376937.8/36

All: 1132.576+/-0.118 χ^2/NDF: 2785947.7/75

- sign 1132.788+/-0.167 χ^2/NDF: 1409006.7/38

diff_bpm_4eY_4ecY_avg_mean vs Slug



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 3.724+/-1.528 χ^2/NDF:13.9/20

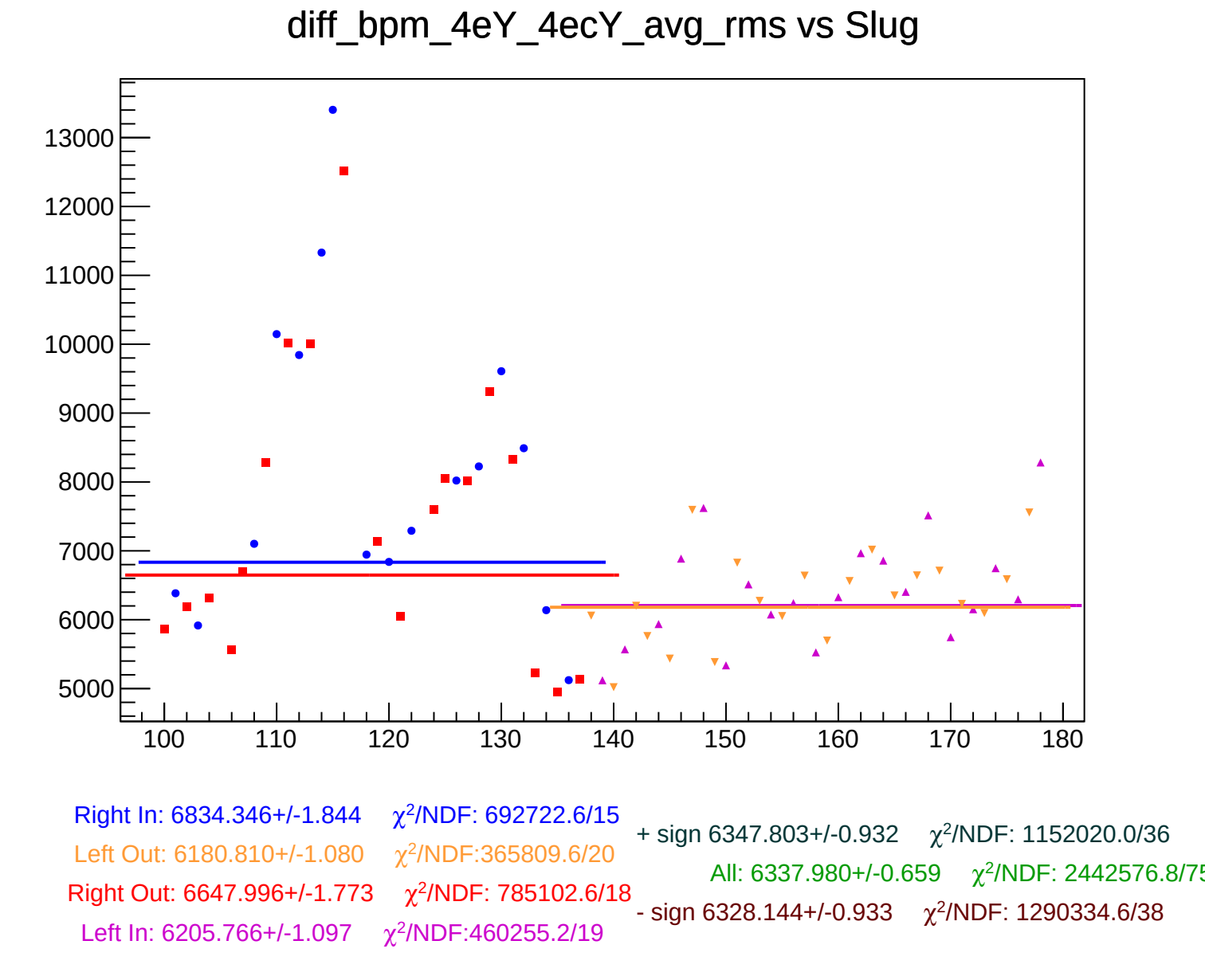
Right Out: 5.176+/-2.508 χ^2/NDF: 18.2/18

Left In: 0.472+/-1.551 χ^2/NDF:30.1/19

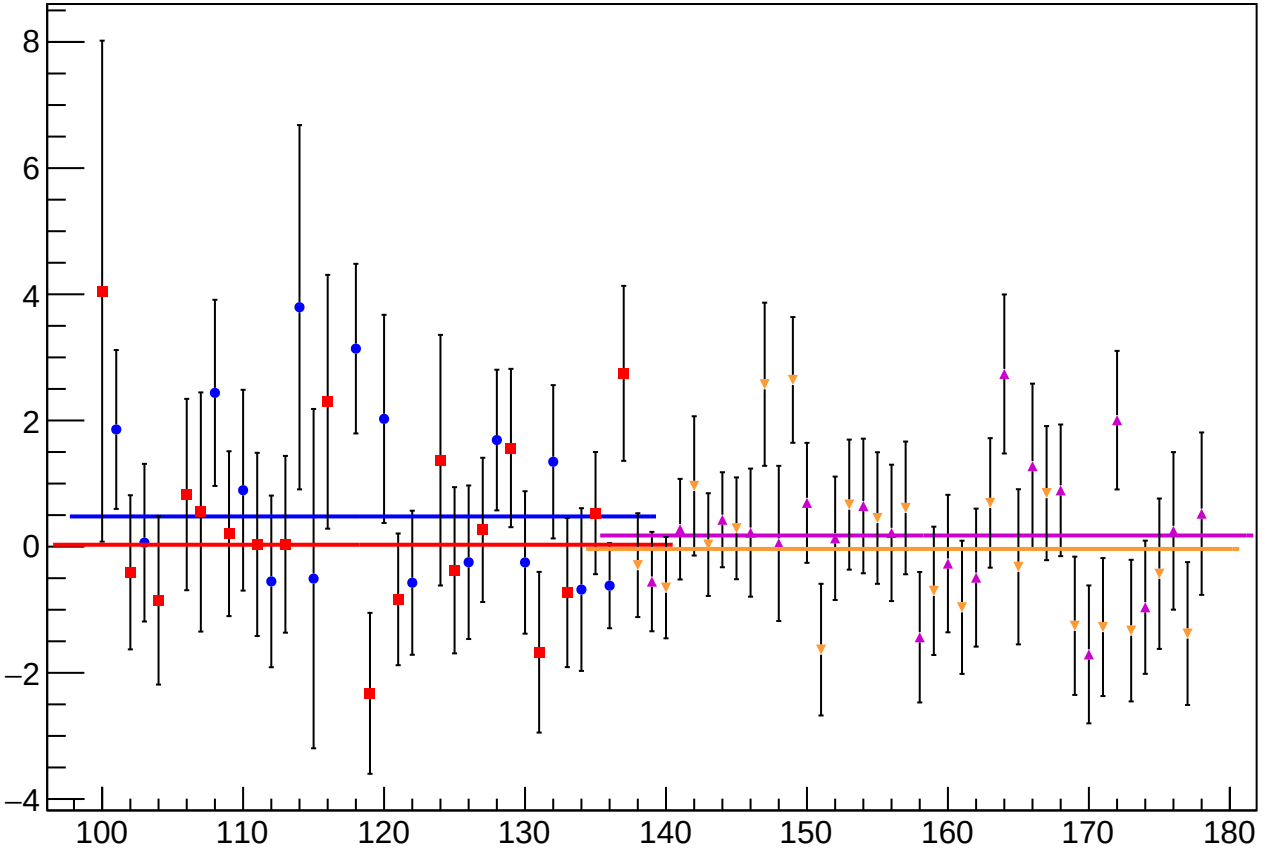
+ sign 1.871+/-1.318 χ^2/NDF: 32.2/36

All: 1.823+/-0.933 χ^2/NDF: 83.1/75

- sign 1.774+/-1.319 χ^2/NDF: 50.8/38


diff_bpm_4eY_4ecY_avg_rms vs Slug
13000
12000
11000
10000
9000
8000
7000
6000
5000
100
110
120
130
140
150
160
170
180
Right In: 6834.346+/-1.844 χ²/NDF: 692722.6/15
Left Out: 6180.810+/-1.080 χ²/NDF:365809.6/20
Right Out: 6647.996+/-1.773 χ²/NDF: 785102.6/18
Left In: 6205.766+/-1.097 χ²/NDF:460255.2/19
+ sign 6347.803+/-0.932 χ²/NDF: 1152020.0/36
All: 6337.980+/-0.659 χ²/NDF: 2442576.8/75
- sign 6328.144+/-0.933 χ²/NDF: 1290334.6/38

diff_bpm_4eY_4ecY_dd_mean vs Slug



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: -0.036+/-0.221 χ^2/NDF:24.2/20

Right Out: 0.030+/-0.309 χ^2/NDF: 15.7/18

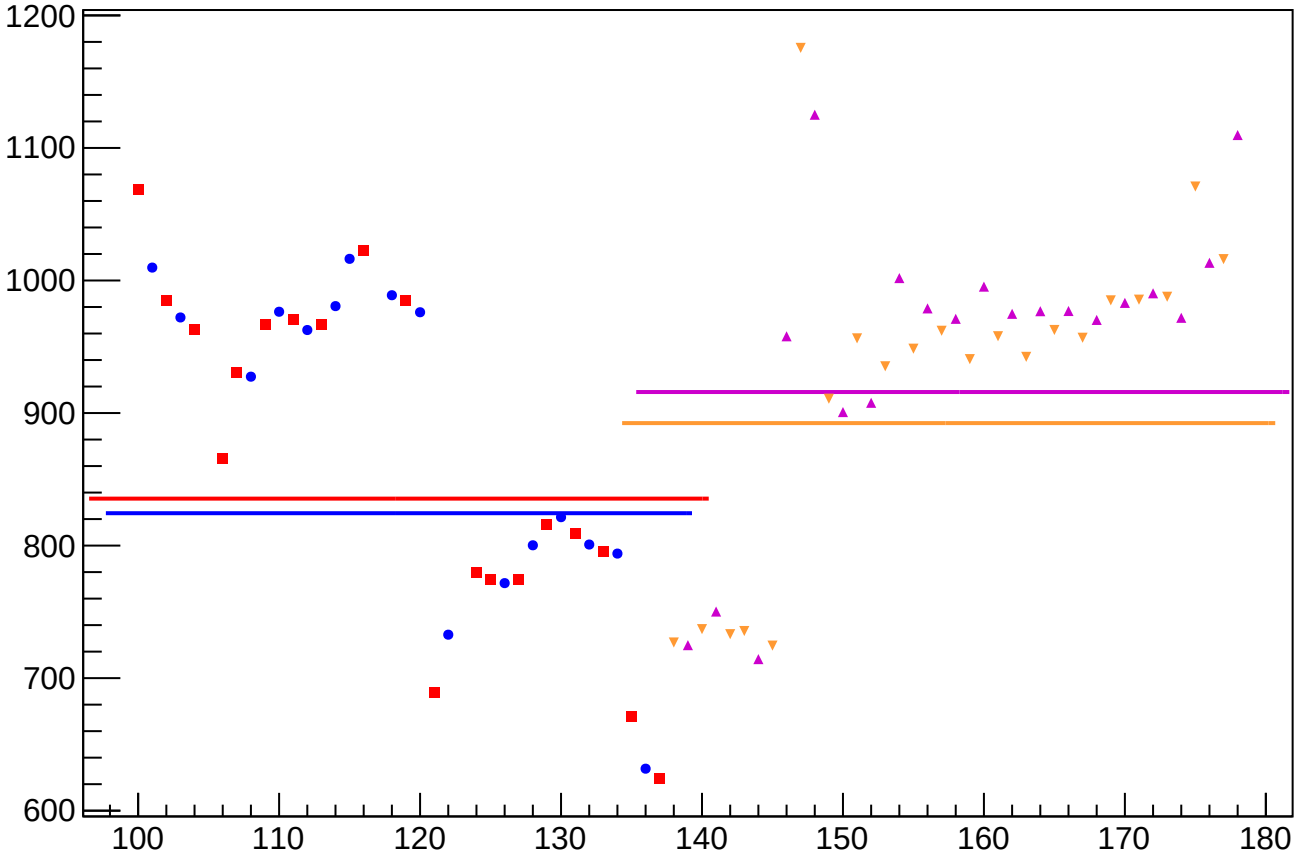
Left In: 0.177+/-0.229 χ^2/NDF:16.7/19

+ sign 0.137+/-0.180 χ^2/NDF: 42.7/36

All: 0.131+/-0.129 χ^2/NDF: 75.3/75

- sign 0.125+/-0.184 χ^2/NDF: 32.6/38

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 892.411+/-0.156 χ^2/NDF:623172.3/20

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

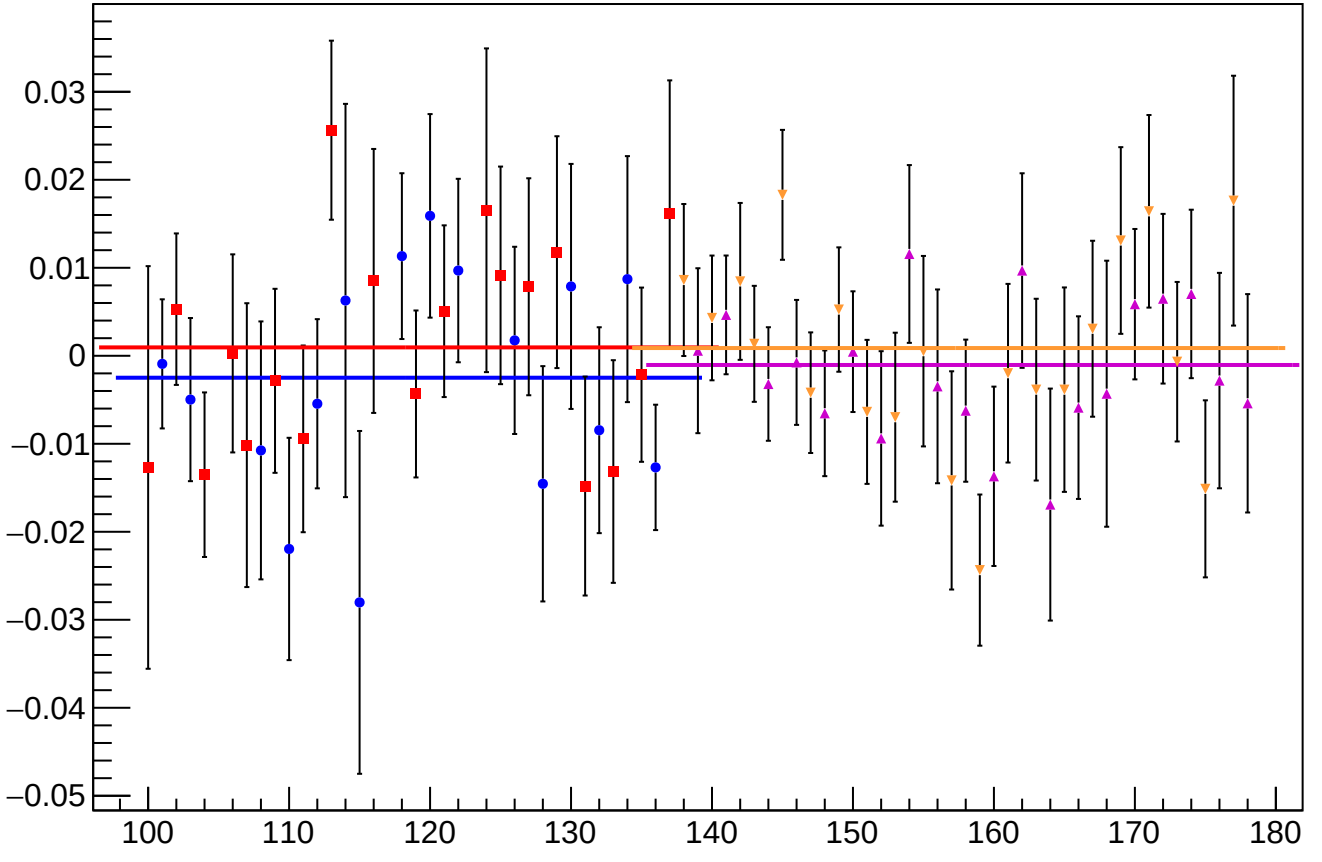
Left In: 915.857+/-0.162 χ^2/NDF:545495.6/19

+ sign 869.592+/-0.127 χ^2/NDF: 1052201.3/36

All: 878.226+/-0.091 χ^2/NDF: 2013933.4/75

- sign 887.246+/-0.130 χ^2/NDF: 952329.7/38

diff_dispE_bpm12X_mean vs Slug



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.001+/-0.002 χ^2/NDF:27.6/20

Right Out: 0.001+/-0.003 χ^2/NDF: 17.3/18

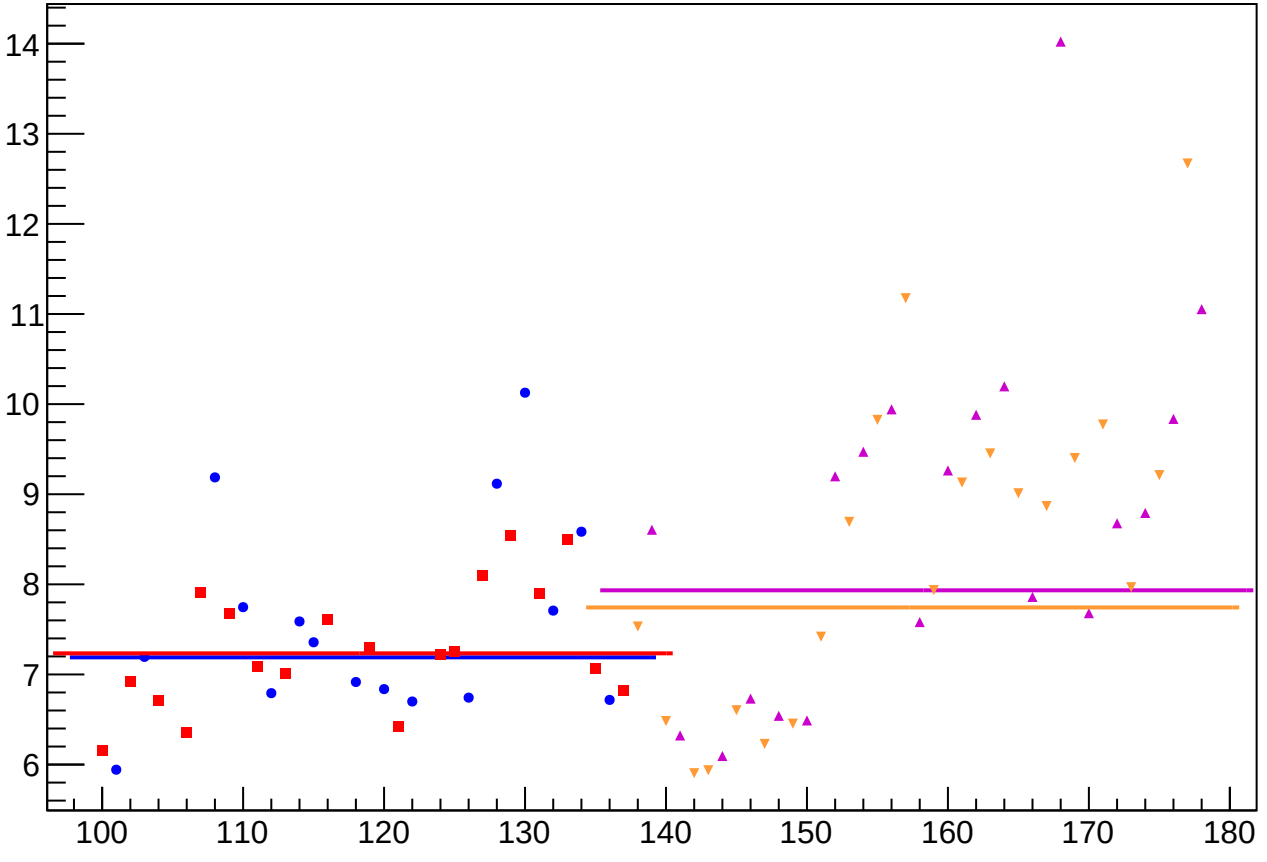
Left In: -0.001+/-0.002 χ^2/NDF:10.5/19

+ sign -0.000+/-0.002 χ^2/NDF: 43.9/36

All: -0.000+/-0.001 χ^2/NDF: 72.1/75

- sign -0.000+/-0.002 χ^2/NDF: 28.2/38

diff_dispE_bpm12X_rms vs Slug



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 7.743+/-0.001 χ^2/NDF:1306427.9/20

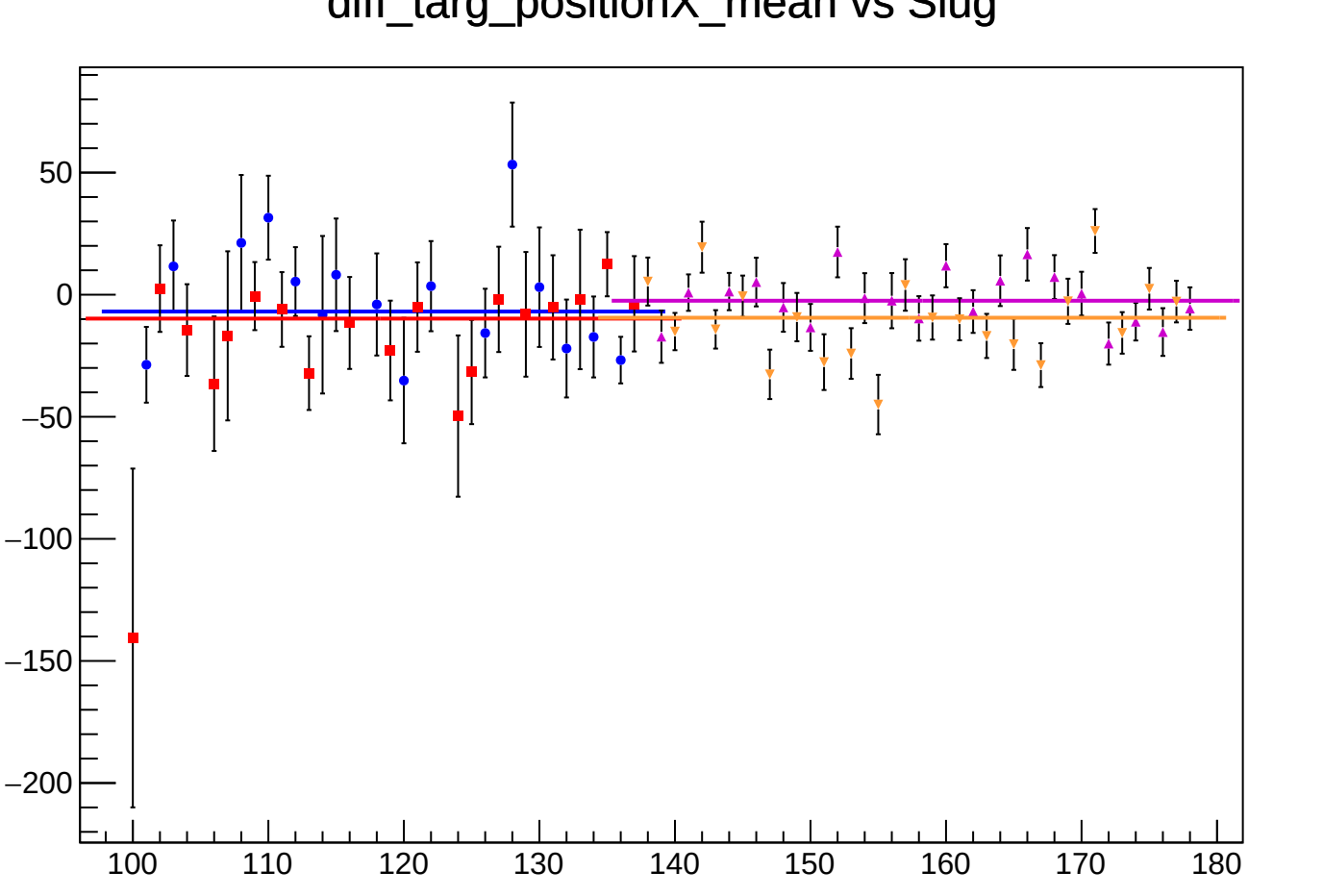
Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 7.934+/-0.001 χ^2/NDF:1342229.7/19

+ sign 7.555+/-0.001 χ^2/NDF: 1639156.8/36

All: 7.616+/-0.001 χ^2/NDF: 3181787.5/75

- sign 7.679+/-0.001 χ^2/NDF: 1536517.0/38



Right In: -6.891+/-4.488 χ^2/NDF: 23.0/15

Left Out: -9.439+/-2.023 χ^2/NDF:57.6/20

Right Out: -9.790+/-4.517 χ^2/NDF: 14.0/18

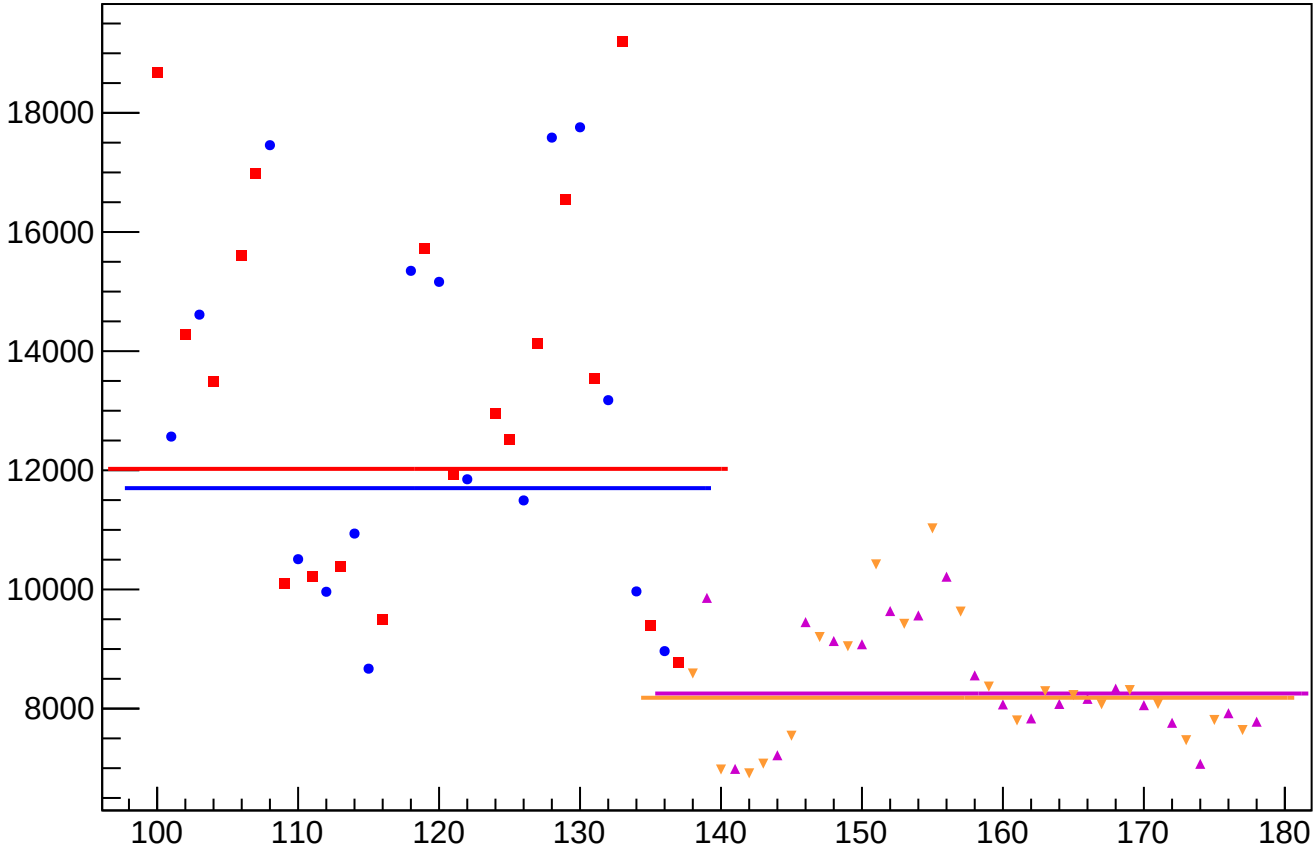
Left In: -2.470+/-2.058 χ^2/NDF:23.8/19

+ sign -9.009+/-1.845 χ^2/NDF: 80.9/36

All: -6.409+/-1.314 χ^2/NDF: 124.8/75

- sign -3.728+/-1.873 χ^2/NDF: 39.9/38

diff_targ_positionX_rms vs Slug



Right In: 11700.622+/-3.174 χ^2/NDF: 740185.3/15

Left Out: 8182.148+/-1.431 χ^2/NDF:453316.3/20

Right Out: 12024.262+/-3.194 χ^2/NDF: 684788.9/18

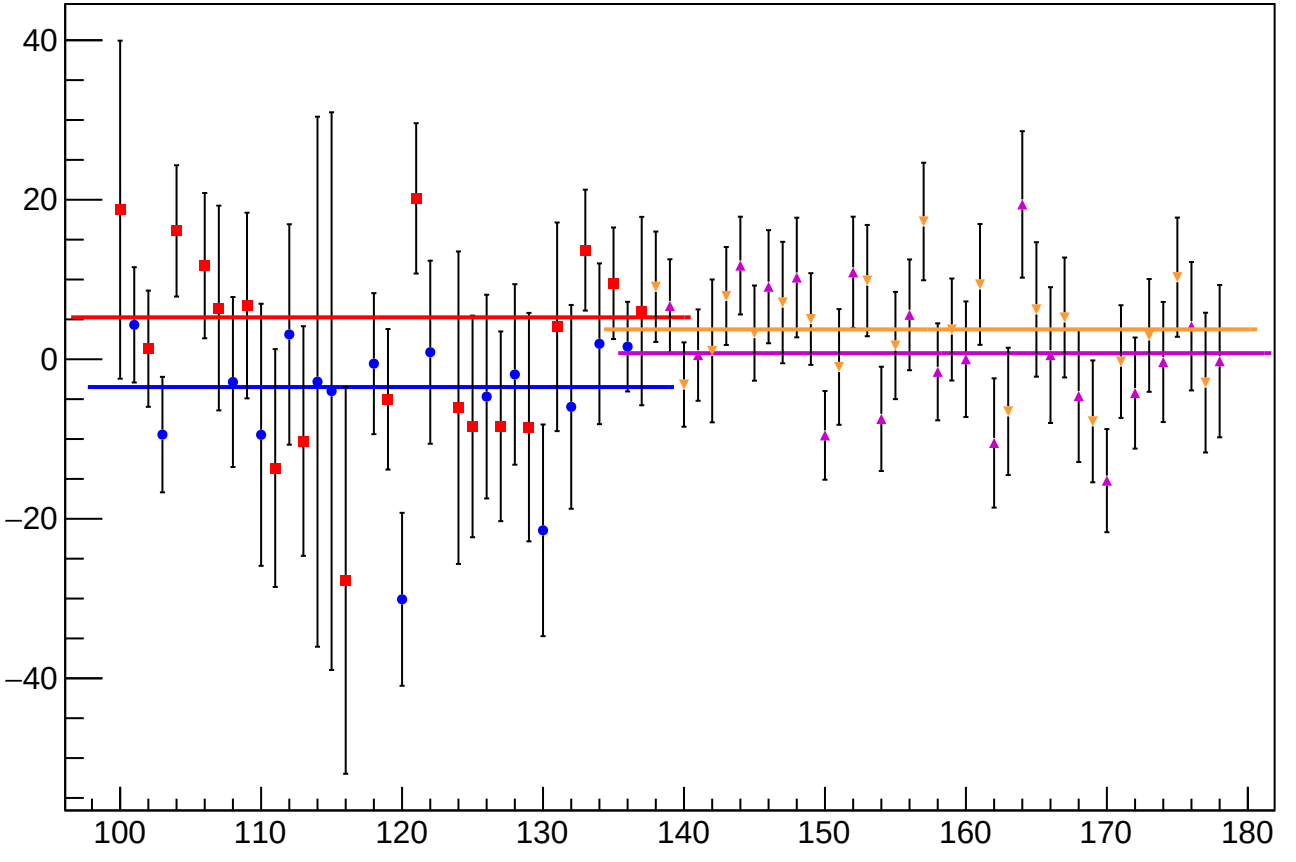
Left In: 8253.177+/-1.455 χ^2/NDF:398415.7/19

+ sign 8776.363+/-1.304 χ^2/NDF: 2214977.3/36

All: 8837.858+/-0.929 χ^2/NDF: 4456949.1/75

- sign 8901.244+/-1.324 χ^2/NDF: 2237457.3/38

diff_targ_positionY_mean vs Slug



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 3.750+/-1.527 χ^2/NDF:14.1/20

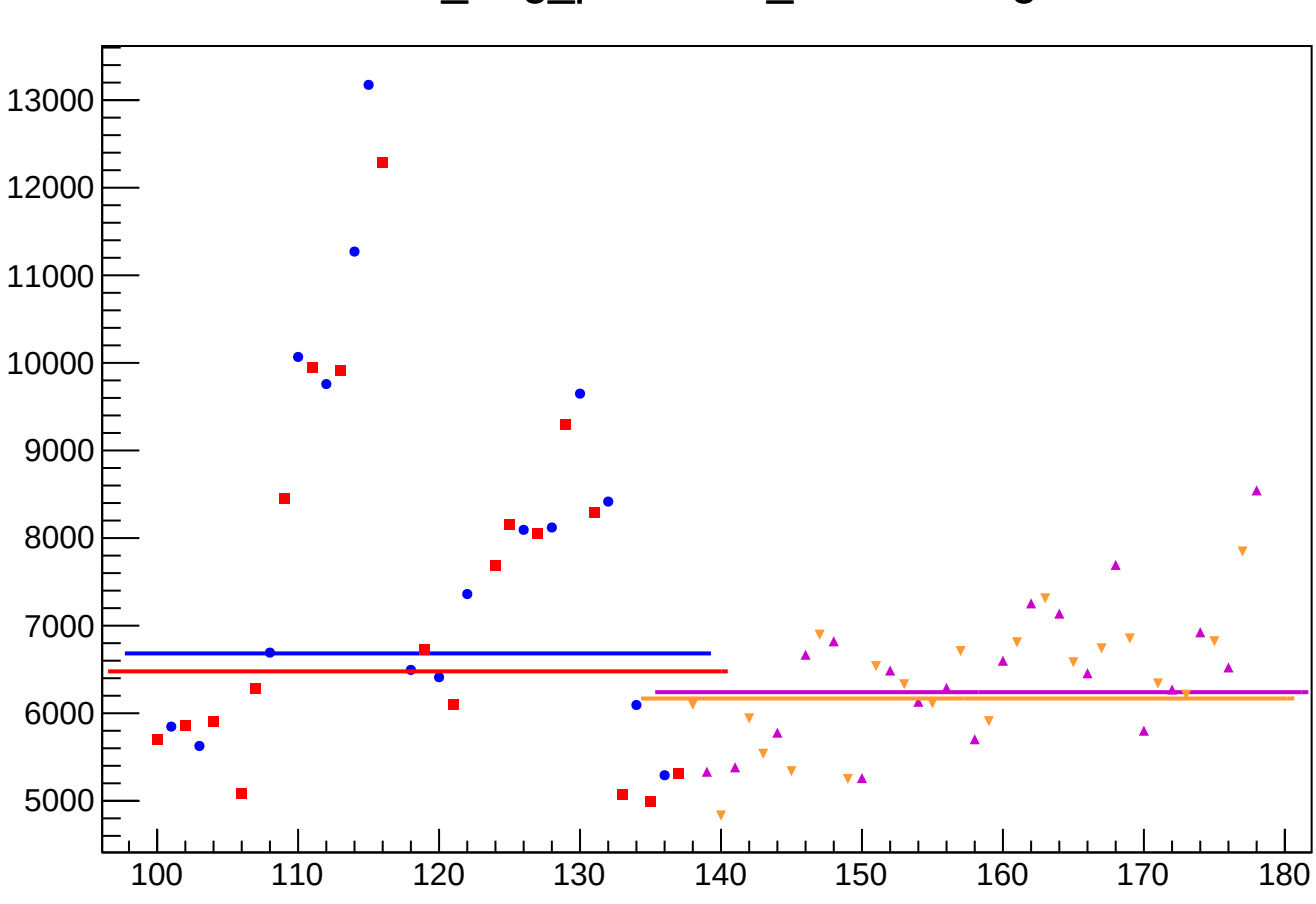
Right Out: 5.259+/-2.446 χ^2/NDF: 16.6/18

Left In: 0.766+/-1.560 χ^2/NDF:28.3/19

+ sign 1.840+/-1.310 χ^2/NDF: 31.5/36

All: 1.952+/-0.928 χ^2/NDF: 78.8/75

- sign 2.065+/-1.315 χ^2/NDF: 47.3/38



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 6168.414+/-1.080 χ^2/NDF:456708.4/20

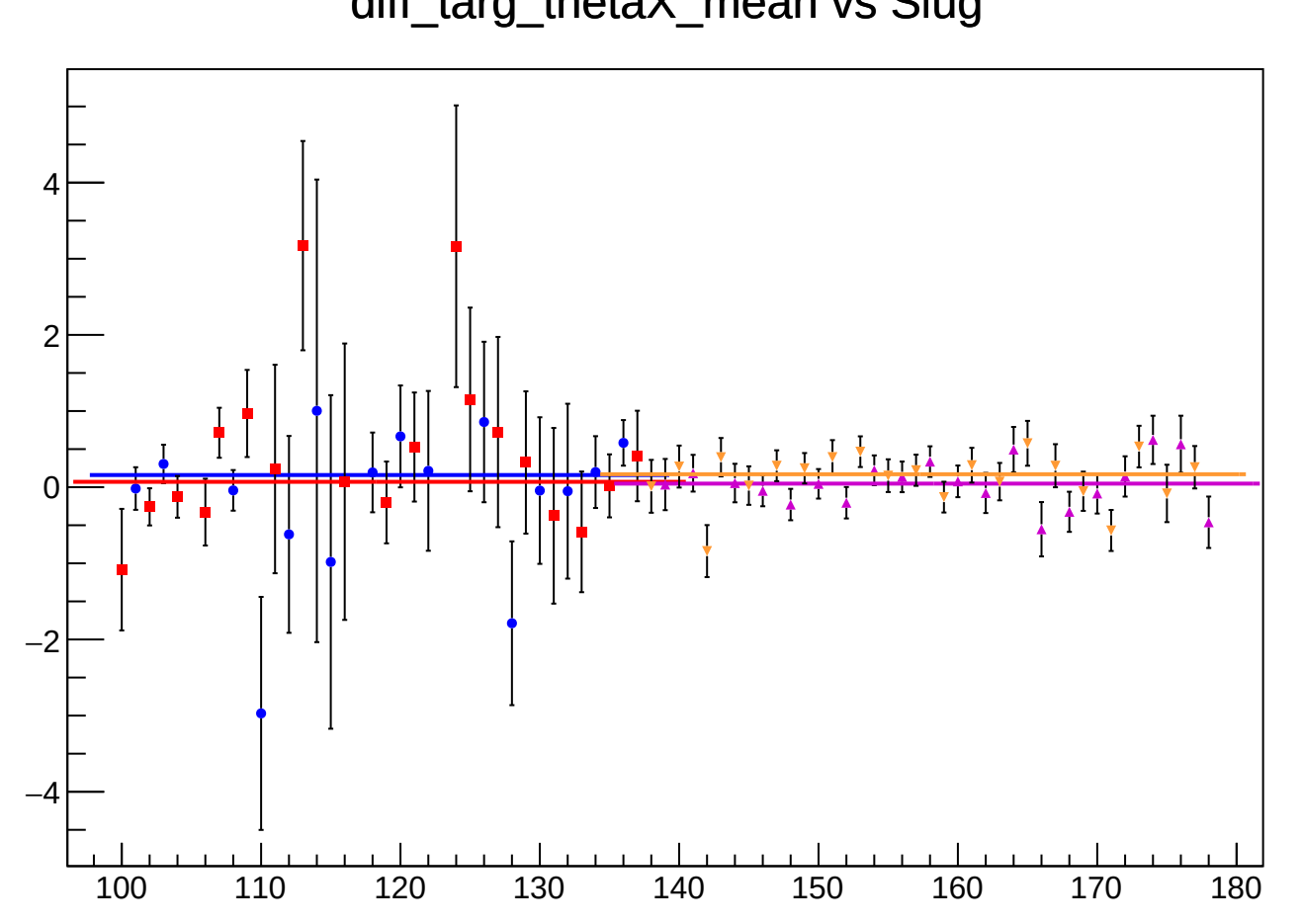
Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

Left In: 6240.711+/-1.103 χ^2/NDF:467537.6/19

+ sign 6304.256+/-0.926 χ^2/NDF: 1208867.5/36

All: 6306.777+/-0.656 χ^2/NDF: 2529040.5/75

- sign 6309.318+/-0.930 χ^2/NDF: 1320158.1/38



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.170+/-0.054 χ^2/NDF:29.2/20

Right Out: 0.070+/-0.120 χ^2/NDF: 22.5/18

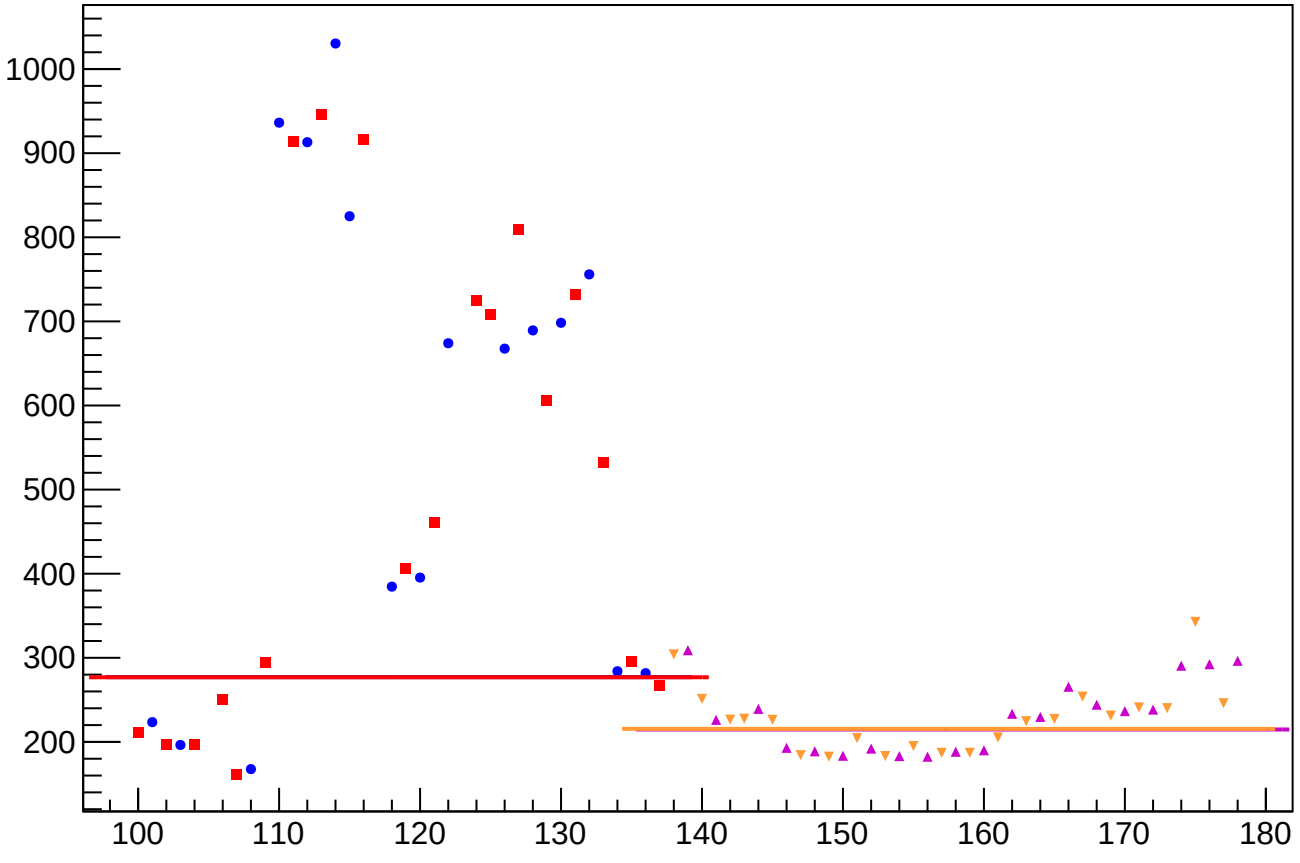
Left In: 0.047+/-0.054 χ^2/NDF:22.0/19

+ sign 0.168+/-0.049 χ^2/NDF: 41.8/36

All: 0.110+/-0.035 χ^2/NDF: 89.1/75

- sign 0.051+/-0.049 χ^2/NDF: 44.5/38

diff_targ_thetaX_rms vs Slug



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 215.517+/-0.038 χ^2/NDF:769142.0/20

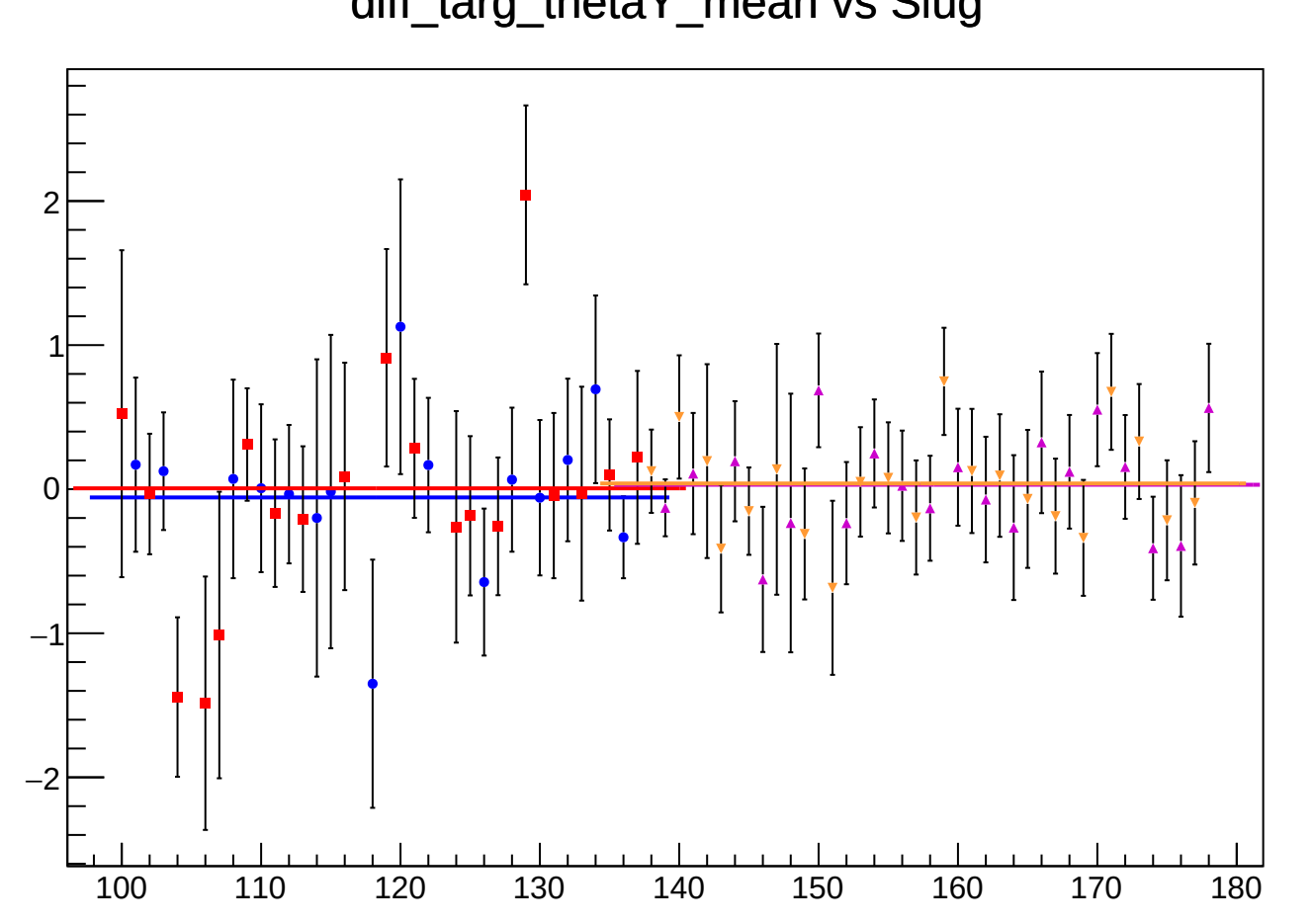
Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

Left In: 214.776+/-0.038 χ^2/NDF:905406.6/19

+ sign 225.820+/-0.035 χ^2/NDF: 4660053.2/36

All: 225.580+/-0.025 χ^2/NDF: 9583790.2/75

- sign 225.336+/-0.035 χ^2/NDF: 4923639.9/38



Right In: -0.057+/-0.134 χ^2/NDF: 8.1/15

Left Out: 0.039+/-0.090 χ^2/NDF:13.6/20

Right Out: 0.006+/-0.129 χ^2/NDF: 25.2/18

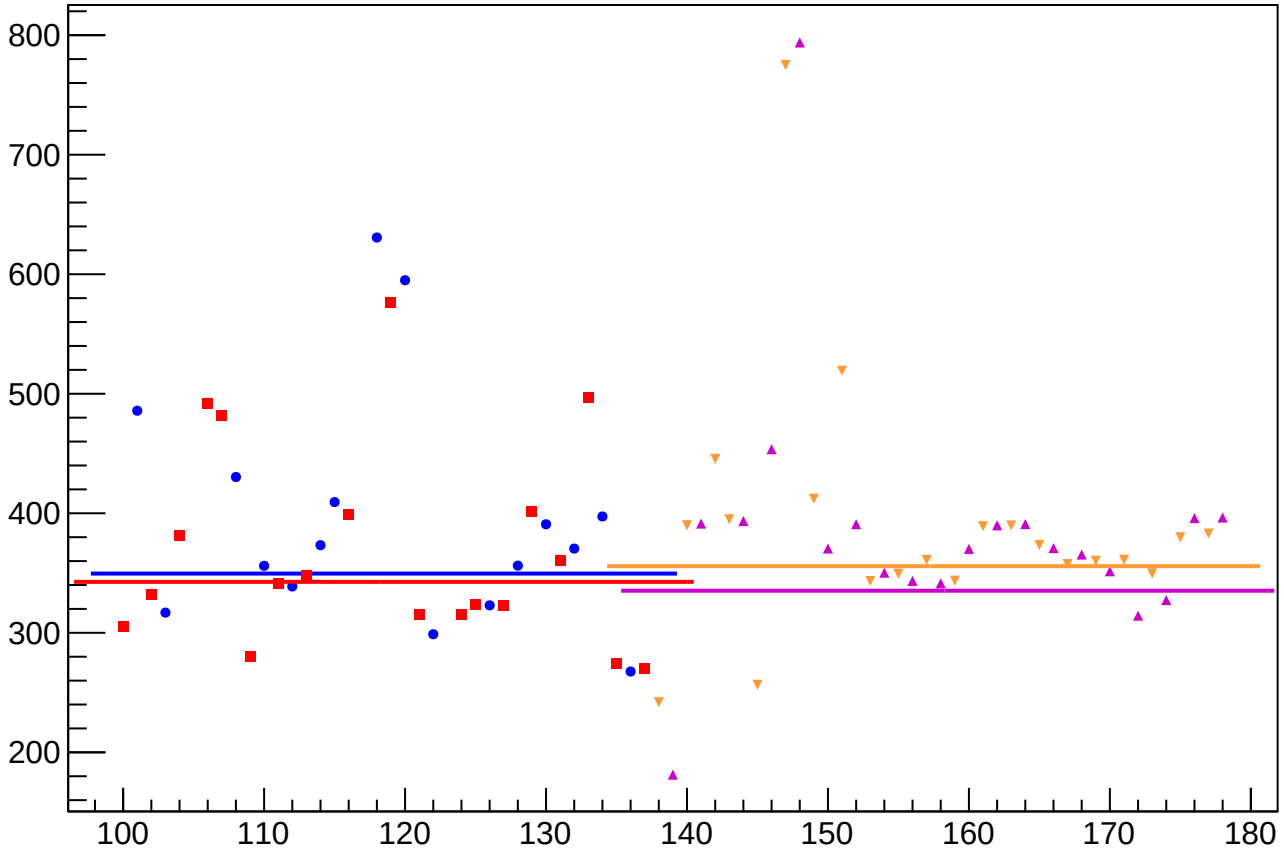
Left In: 0.031+/-0.087 χ^2/NDF:12.8/19

+ sign 0.009+/-0.075 χ^2/NDF: 22.1/36

All: 0.016+/-0.052 χ^2/NDF: 60.1/75

- sign 0.023+/-0.072 χ^2/NDF: 38.0/38

diff_targ_thetaY_rms vs Slug



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 355.749+/-0.064 χ^2/NDF:1279075.5/20

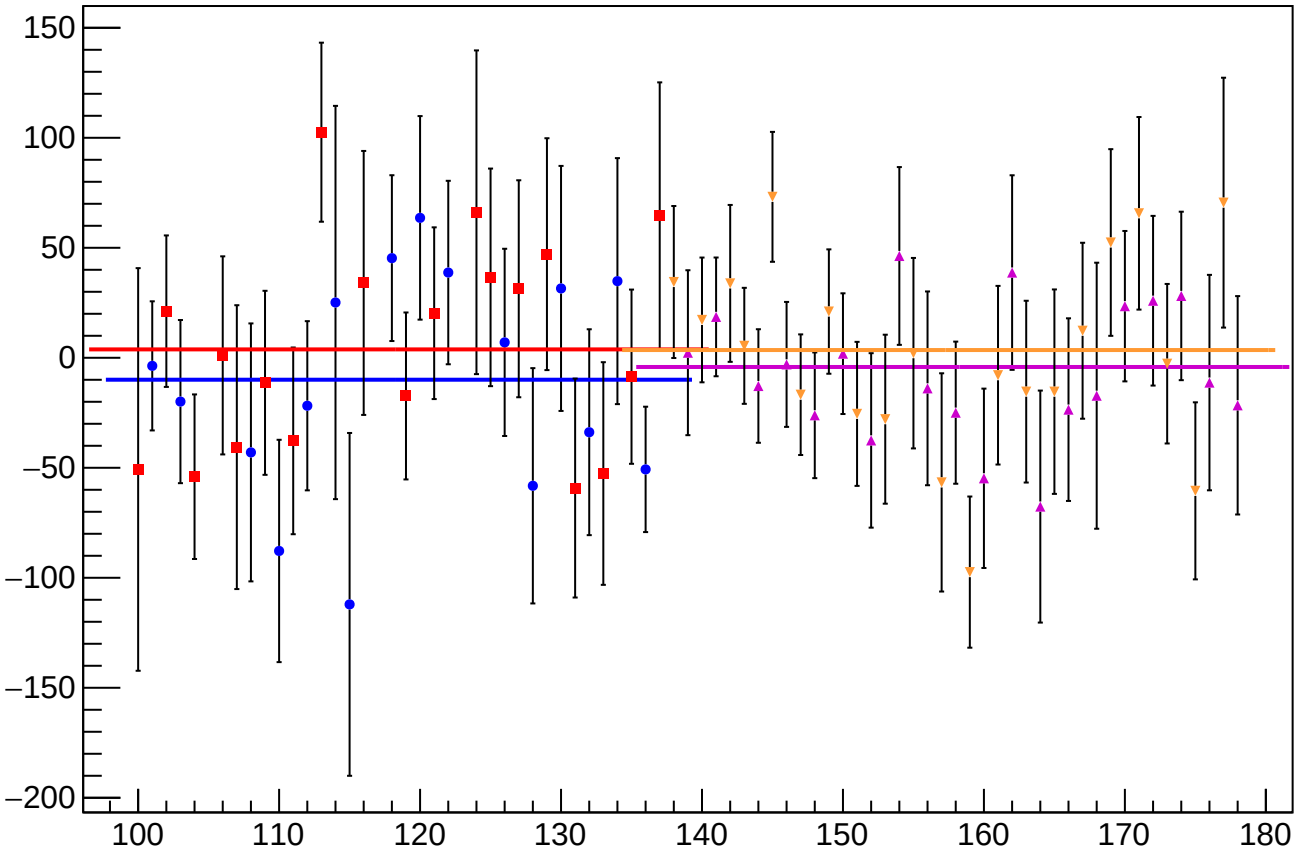
Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 335.223+/-0.061 χ^2/NDF:2149237.2/19

\+ sign 353.819+/-0.053 χ^2/NDF: 1981323.5/36

All: 345.375+/-0.037 χ^2/NDF: 4760113.1/75

\- sign 337.536+/-0.051 χ^2/NDF: 2729553.8/38



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 3.518+/-7.790 χ^2/NDF:27.6/20

Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

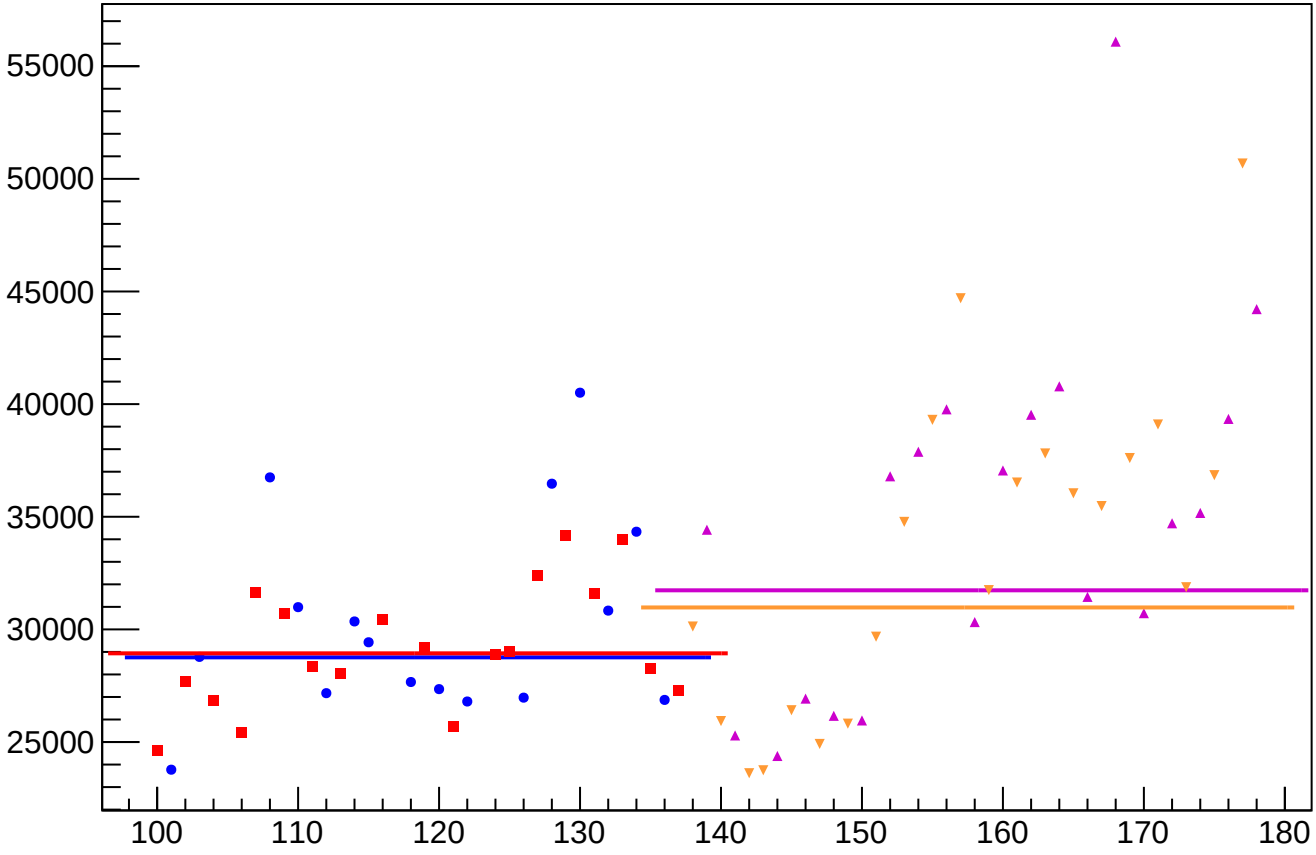
Left In: -4.179+/-8.042 χ^2/NDF:10.5/19

+ sign -1.077+/-6.325 χ^2/NDF: 43.9/36

All: -1.173+/-4.504 χ^2/NDF: 72.1/75

- sign -1.272+/-6.415 χ^2/NDF: 28.2/38

diff_bpmE_rms vs Slug



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 30973.975+/-5.508 χ^2/NDF:1306427.9/20

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

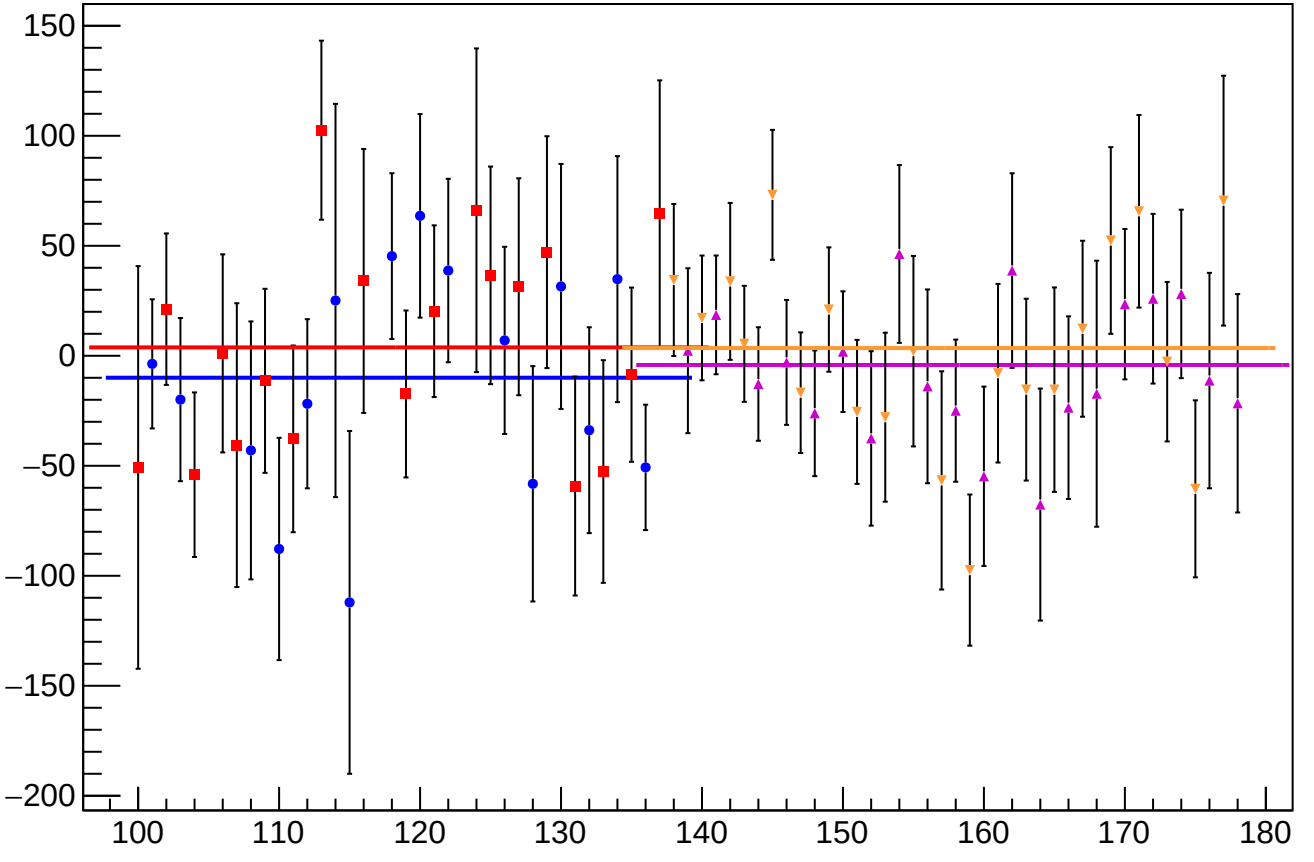
Left In: 31735.016+/-5.687 χ^2/NDF:1342229.7/19

+ sign 30219.395+/-4.472 χ^2/NDF: 1639156.8/36

All: 30464.918+/-3.185 χ^2/NDF: 3181787.5/7

- sign 30717.472+/-4.536 χ^2/NDF: 1536517.0/38

diff_bpmEX_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 3.518+/-7.790 χ^2/NDF:27.6/20

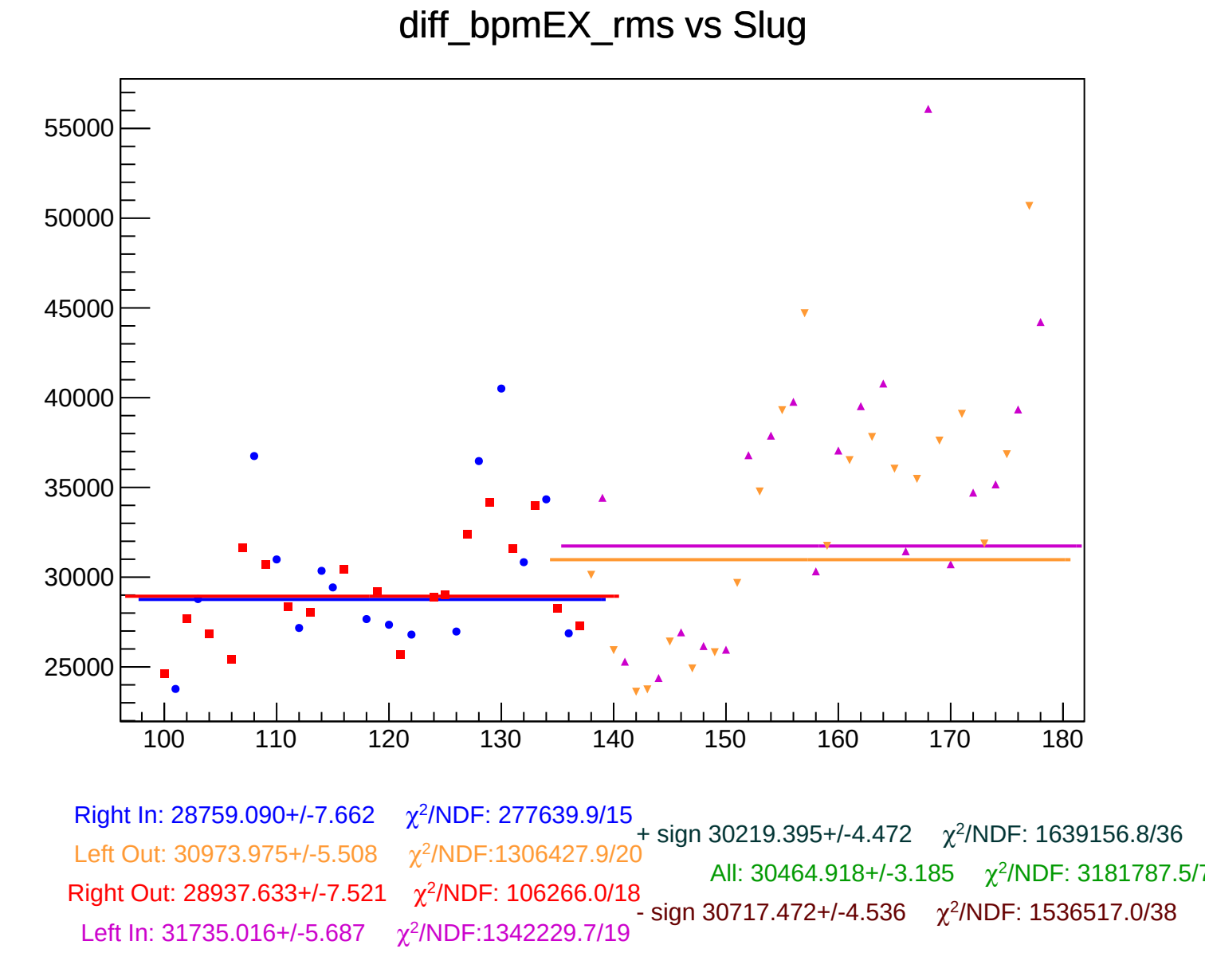
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -4.179+/-8.042 χ^2/NDF:10.5/19

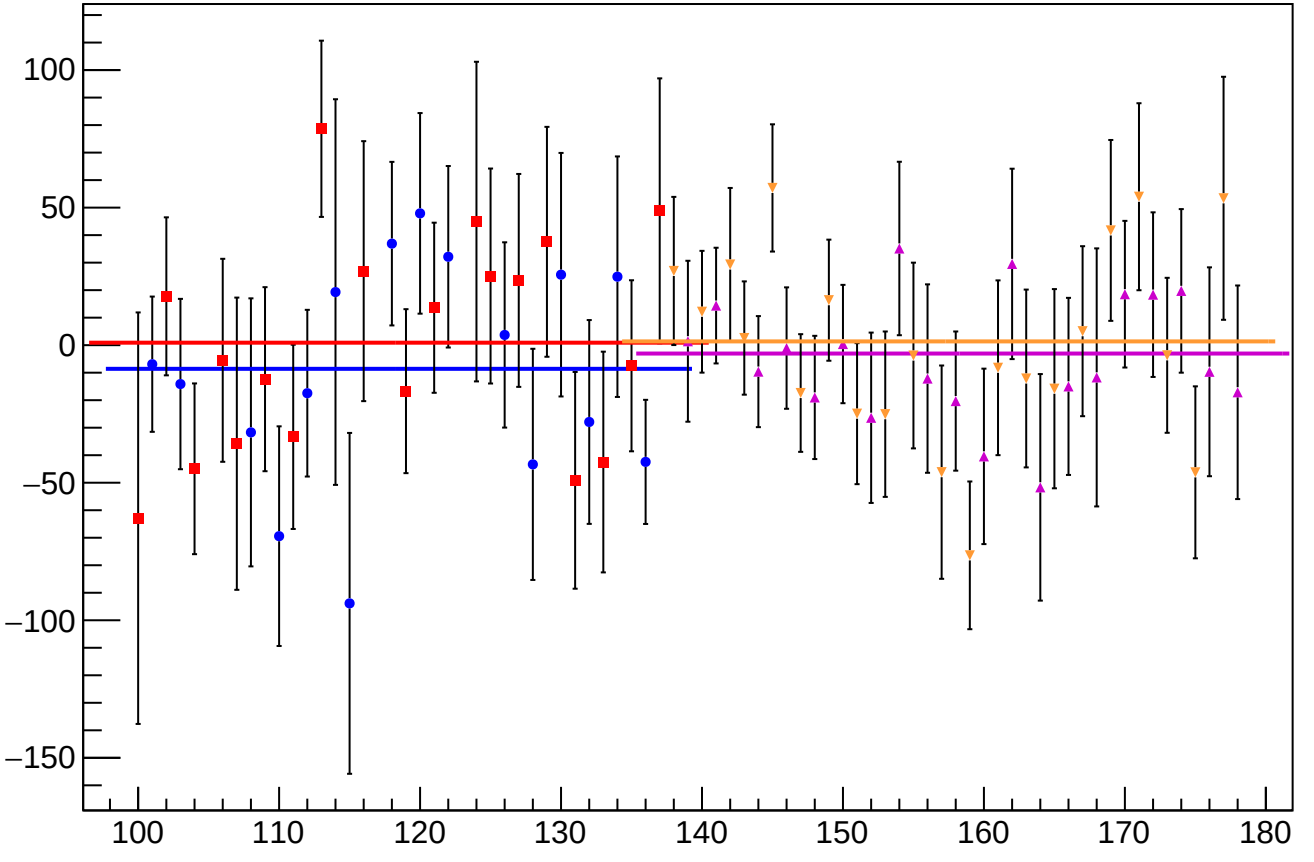
+ sign -1.077+/-6.325 χ^2/NDF: 43.9/36

All: -1.173+/-4.504 χ^2/NDF: 72.1/75

- sign -1.272+/-6.415 χ^2/NDF: 28.2/38


diff_bpmEX_rms vs Slug
55000
50000
45000
40000
35000
30000
25000
100
110
120
130
140
150
160
170
180
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 30973.975+/-5.508 χ²/NDF:1306427.9/20
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 31735.016+/-5.687 χ²/NDF:1342229.7/19
+ sign 30219.395+/-4.472 χ²/NDF: 1639156.8/36
All: 30464.918+/-3.185 χ²/NDF: 3181787.5/7
- sign 30717.472+/-4.536 χ²/NDF: 1536517.0/38

diff_bpmE_11X12X_mean vs Slug



Right In: -8.599+/-8.678 χ^2/NDF: 15.5/15

Left Out: 1.371+/-6.075 χ^2/NDF:29.1/20

Right Out: 0.904+/-8.506 χ^2/NDF: 17.6/18

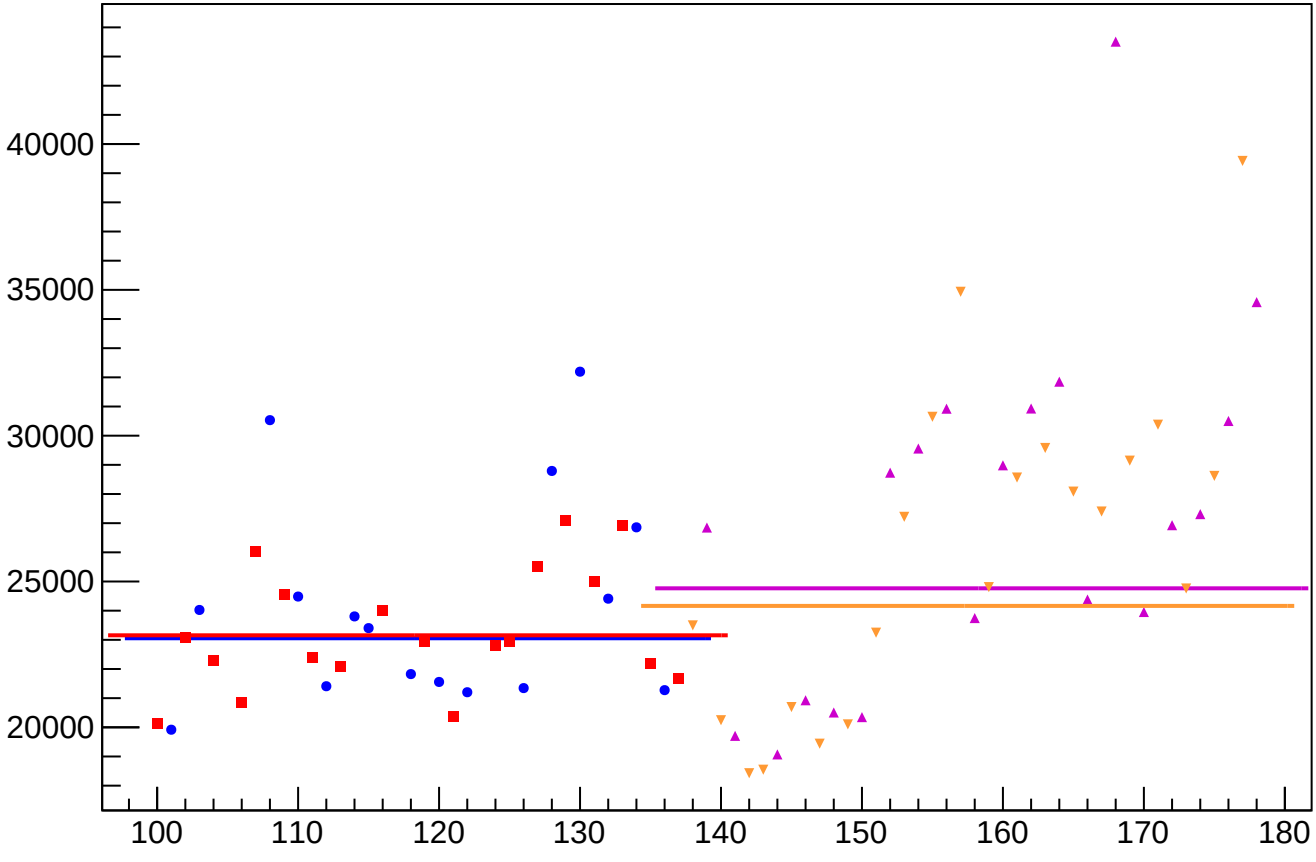
Left In: -3.045+/-6.275 χ^2/NDF:9.7/19

+ sign -1.908+/-4.977 χ^2/NDF: 45.5/36

All: -1.783+/-3.545 χ^2/NDF: 72.9/75

- sign -1.653+/-5.049 χ^2/NDF: 27.4/38

diff_bpmE_11X12X_rms vs Slug



Right In: 23053.910+/-6.137 χ^2/NDF: 261444.9/15

Left Out: 24163.344+/-4.296 χ^2/NDF:1293848.9/20

Right Out: 23155.251+/-6.015 χ^2/NDF: 93894.1/18

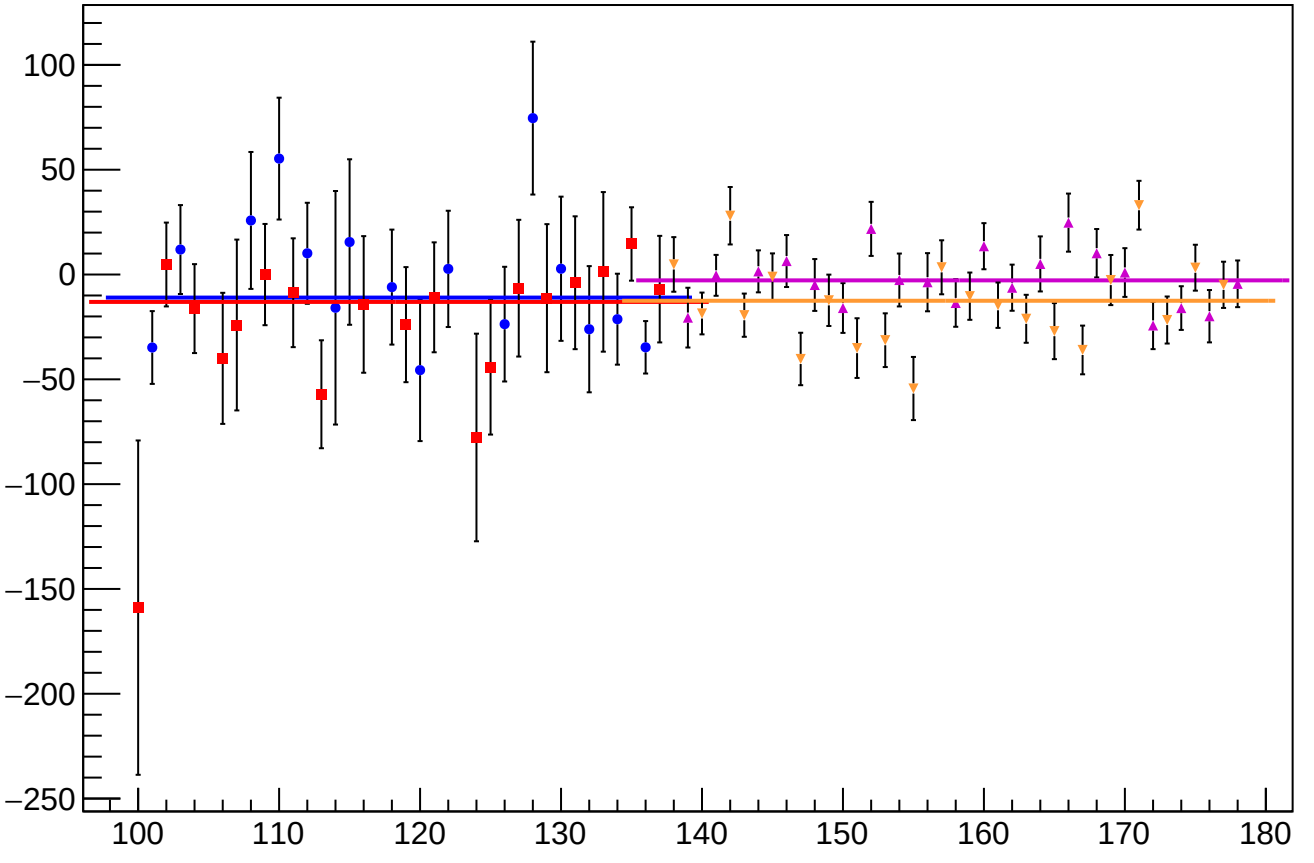
Left In: 24766.228+/-4.437 χ^2/NDF:1326986.2/19

+ sign 23798.473+/-3.519 χ^2/NDF: 1577229.4/36

All: 23995.591+/-2.506 χ^2/NDF: 3050935.6/7

- sign 24198.497+/-3.571 χ^2/NDF: 1467339.4/38

diff_bpm4aesumX_mean vs Slug



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -12.517+/-2.589 χ^2/NDF:56.4/20

Right Out: -13.071+/-6.382 χ^2/NDF: 13.9/18

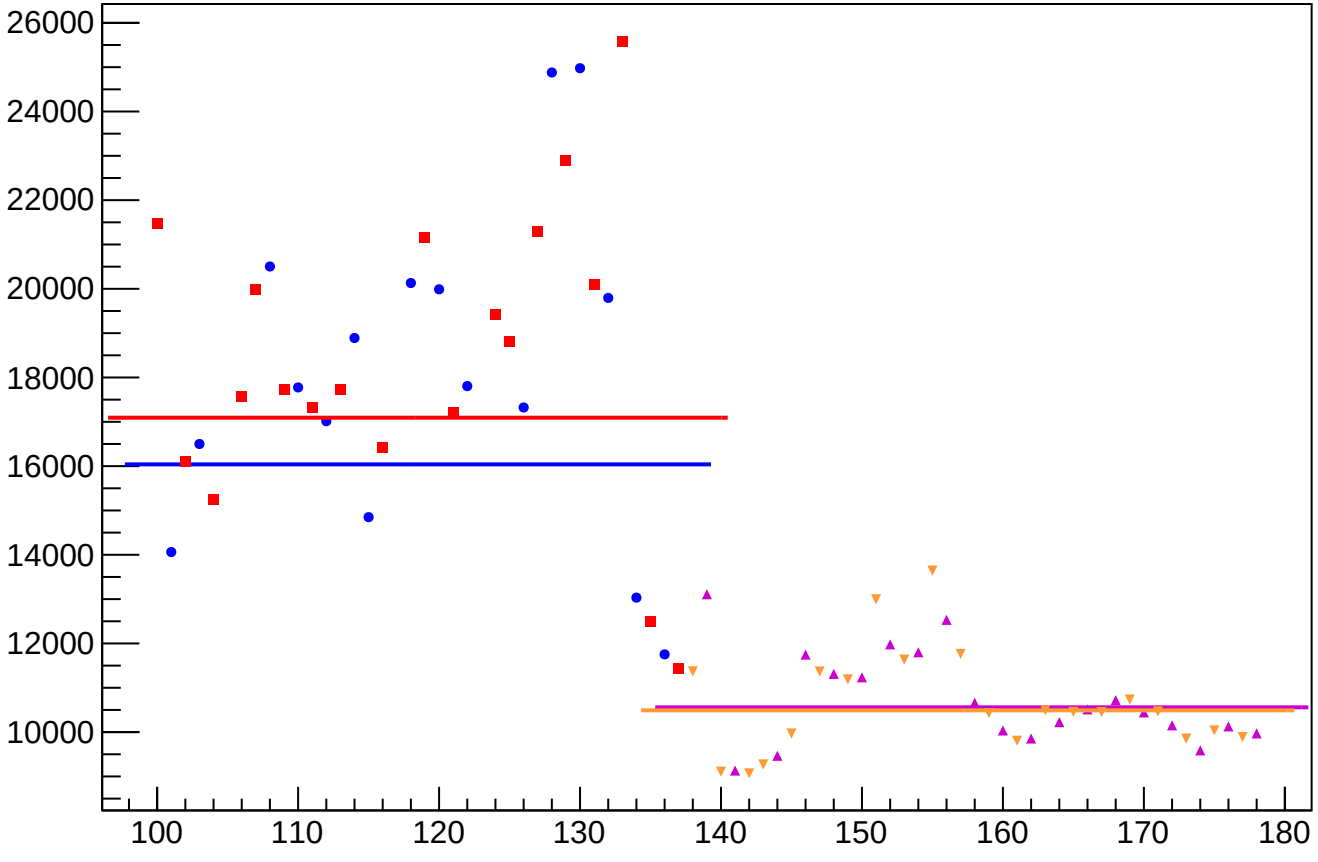
Left In: -2.790+/-2.628 χ^2/NDF:23.3/19

+ sign -12.289+/-2.386 χ^2/NDF: 78.5/36

All: -8.359+/-1.703 χ^2/NDF: 123.4/75

- sign -4.281+/-2.430 χ^2/NDF: 39.3/38

diff_bpm4aesumX_rms vs Slug



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 10491.431+/-1.831 χ^2/NDF:327703.2/20

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

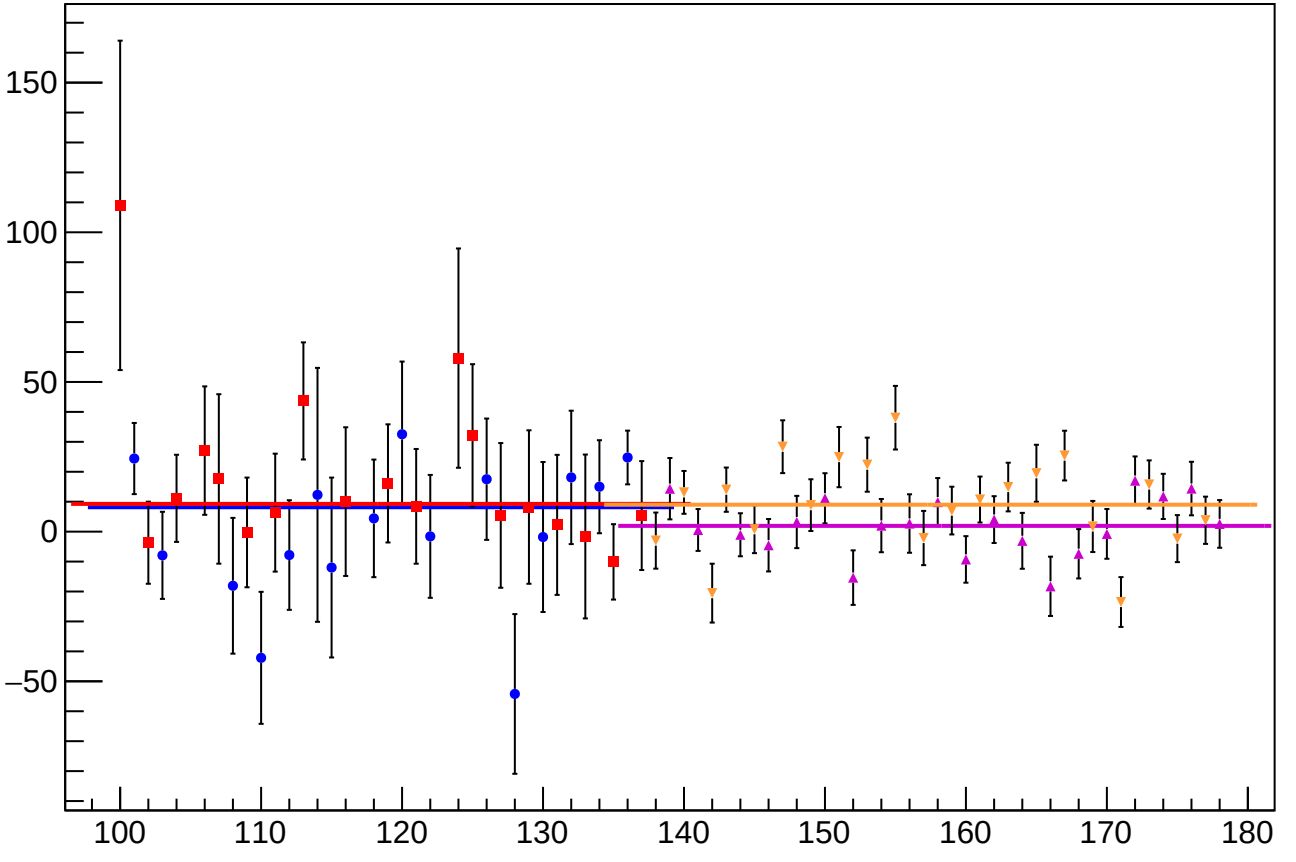
Left In: 10559.152+/-1.859 χ^2/NDF:289793.3/19

+ sign 11325.594+/-1.687 χ^2/NDF: 2431418.3/36

All: 11414.503+/-1.204 χ^2/NDF: 5054472.3/7

- sign 11506.718+/-1.719 χ^2/NDF: 2617398.9/38

diff_bpm4aediffX_mean vs Slug



Right In: 8.150+/-4.423 χ^2/NDF: 21.8/15

Left Out: 8.997+/-1.845 χ^2/NDF:56.0/20

Right Out: 9.270+/-4.607 χ^2/NDF: 13.9/18

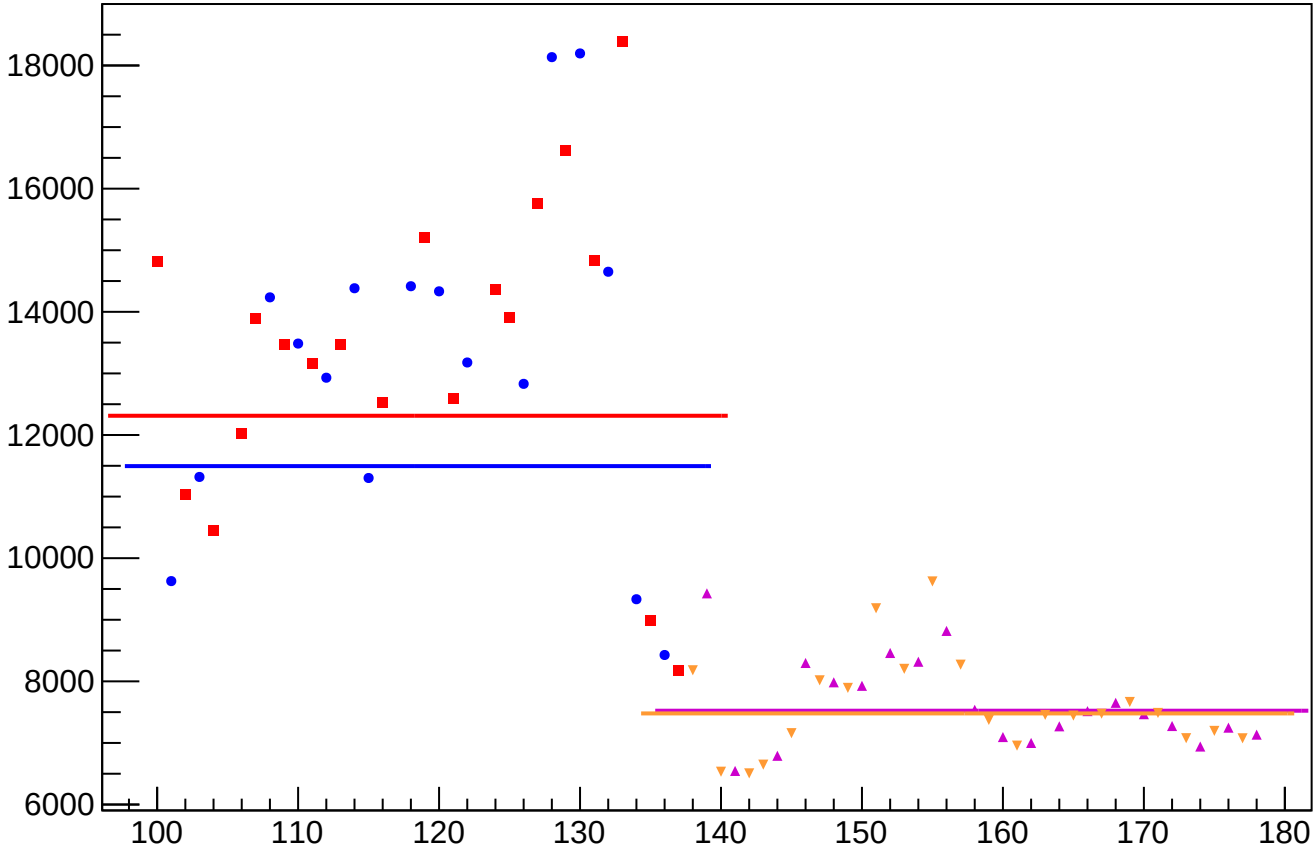
Left In: 1.928+/-1.872 χ^2/NDF:23.2/19

+ sign 8.871+/-1.703 χ^2/NDF: 77.8/36

All: 5.974+/-1.215 χ^2/NDF: 122.9/75

- sign 2.968+/-1.734 χ^2/NDF: 39.2/38

diff_bpm4aediffX_rms vs Slug



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 7479.179+/-1.304 χ^2/NDF:296880.3/20

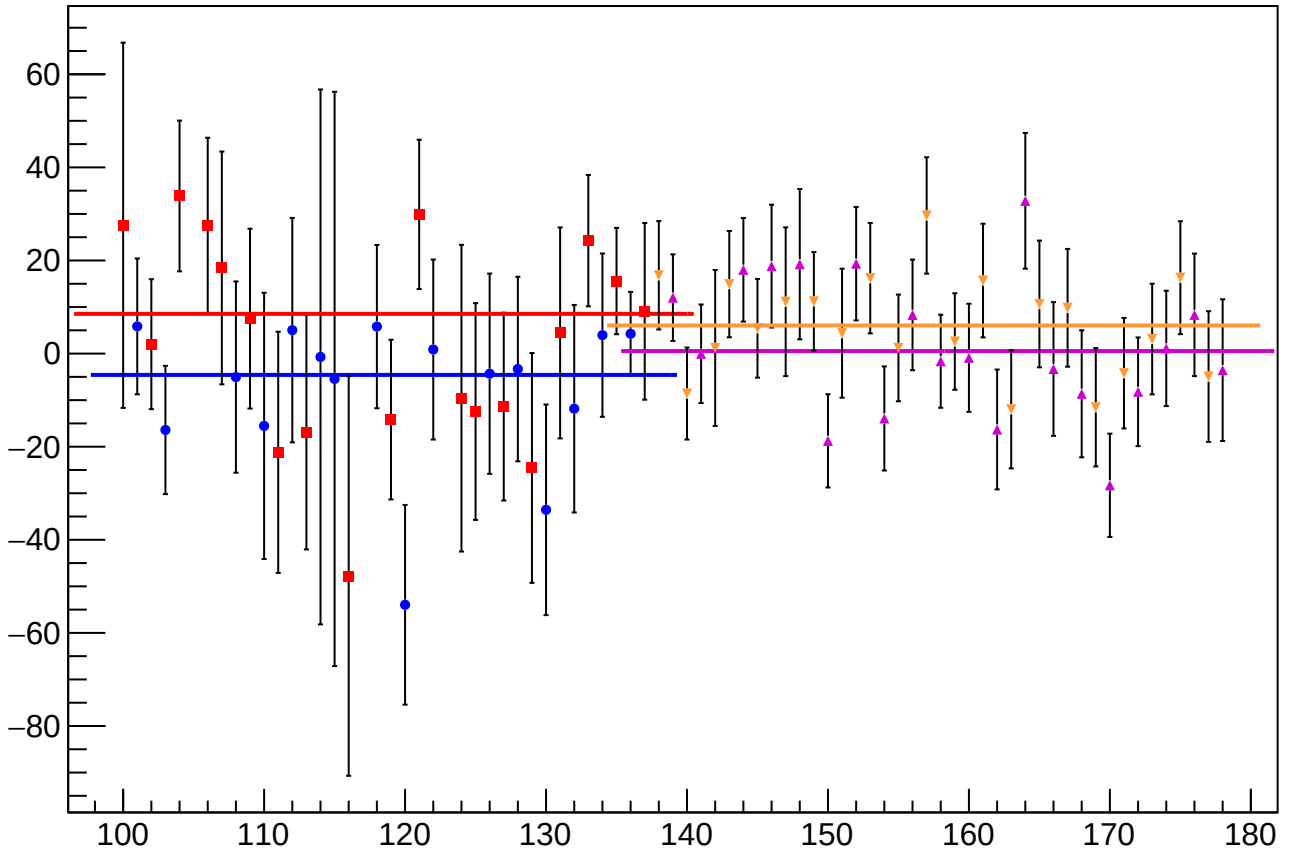
Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

Left In: 7523.227+/-1.324 χ^2/NDF:264764.1/19

+ sign 8074.257+/-1.204 χ^2/NDF: 2491355.4/36

All: 8136.907+/-0.859 χ^2/NDF: 5215383.1/75

- sign 8201.919+/-1.226 χ^2/NDF: 2718509.4/38



Right In: -4.578+/-4.554 χ^2/NDF: 10.2/15

Left Out: 6.047+/-2.644 χ^2/NDF:15.6/20

Right Out: 8.537+/-4.392 χ^2/NDF: 17.2/18

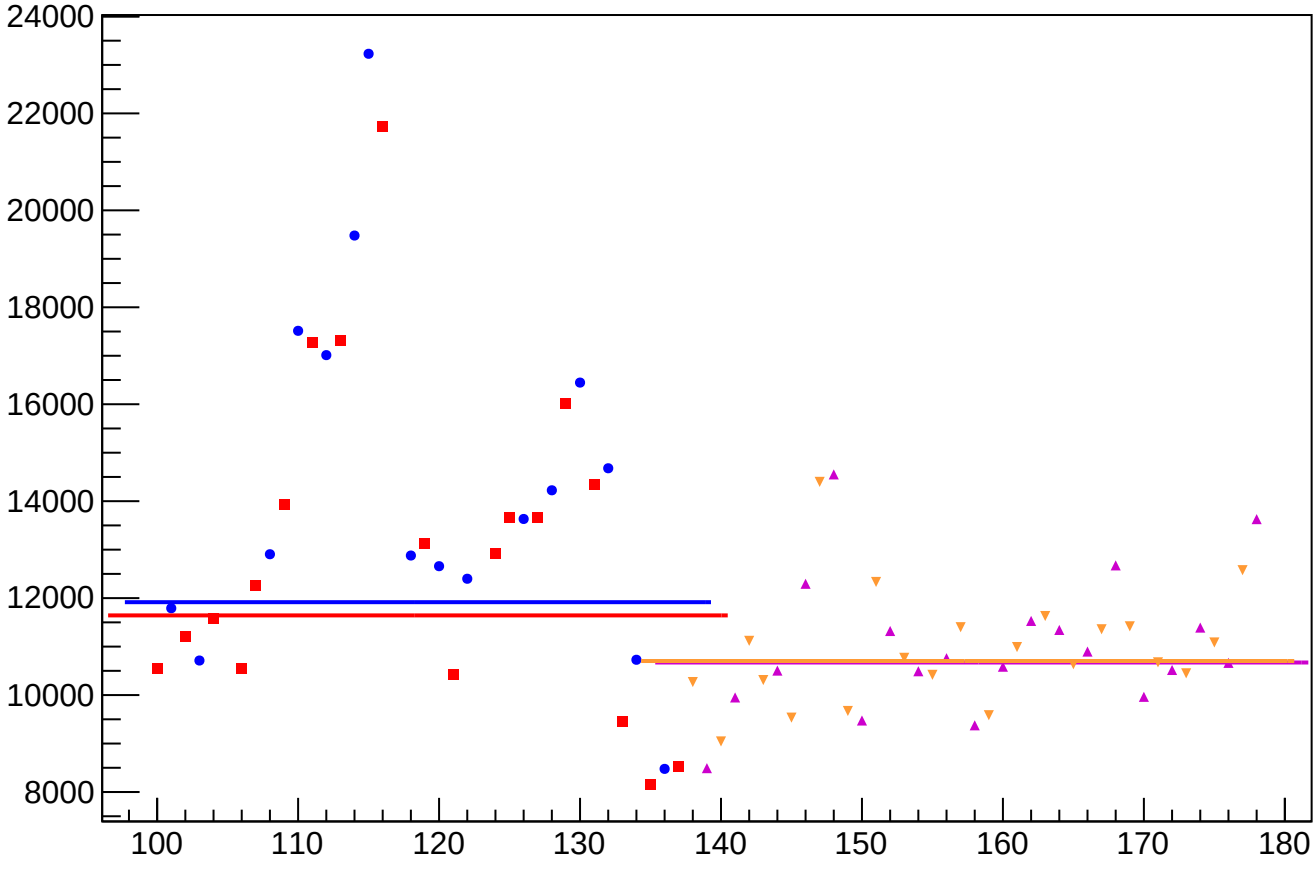
Left In: 0.546+/-2.669 χ^2/NDF:30.4/19

+ sign 3.368+/-2.287 χ^2/NDF: 29.9/36

All: 3.033+/-1.615 χ^2/NDF: 79.9/75

- sign 2.701+/-2.281 χ^2/NDF: 50.0/38

diff_bpm4aesumY_rms vs Slug



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 10702.605+/-1.870 χ^2/NDF:333524.5/20

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

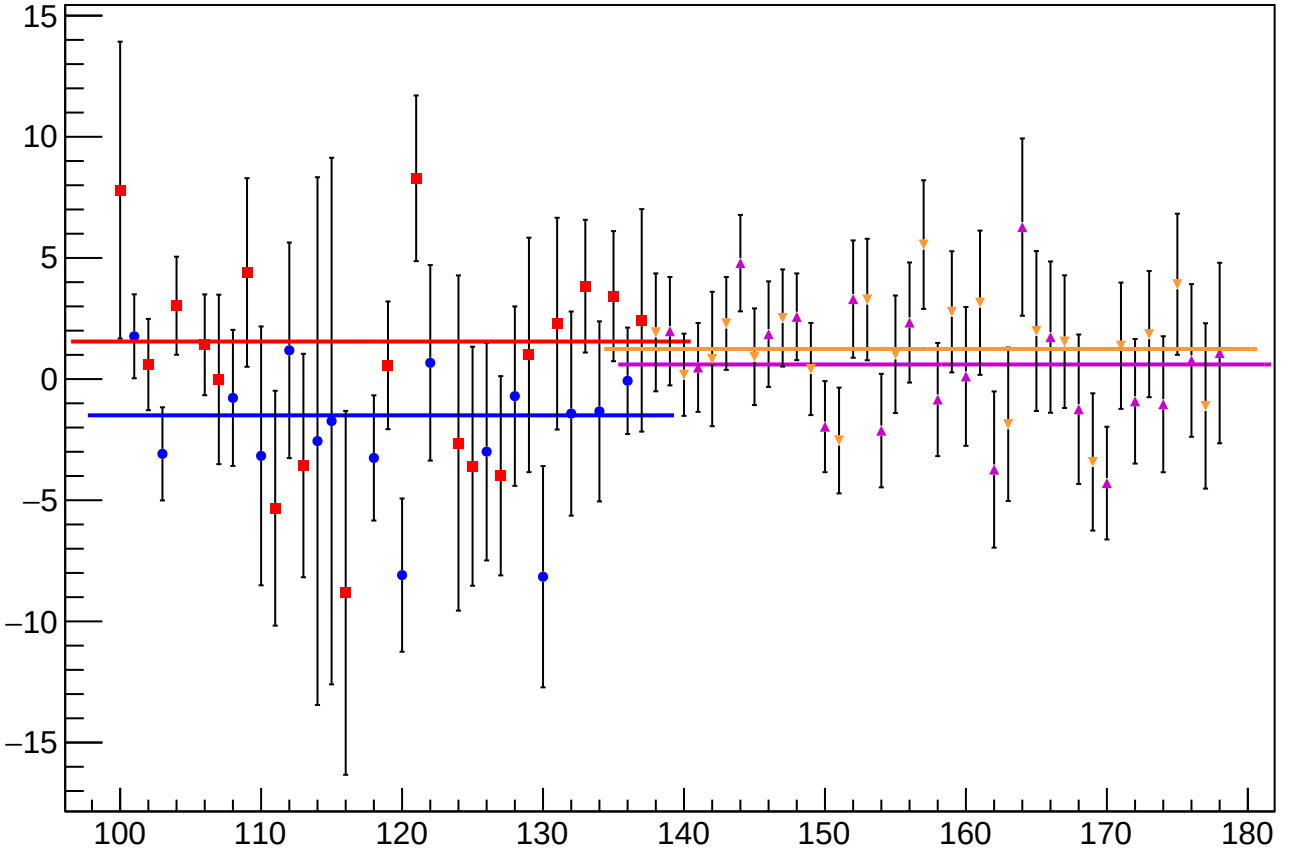
Left In: 10671.875+/-1.887 χ^2/NDF:481471.5/19

+ sign 11008.658+/-1.617 χ^2/NDF: 1189543.5/36

All: 10971.183+/-1.142 χ^2/NDF: 2533942.7/7

- sign 10933.905+/-1.613 χ^2/NDF: 1343327.9/38

diff_bpm4aediffY_mean vs Slug



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 1.242+/-0.527 χ^2/NDF:13.6/20

Right Out: 1.551+/-0.745 χ^2/NDF: 16.3/18

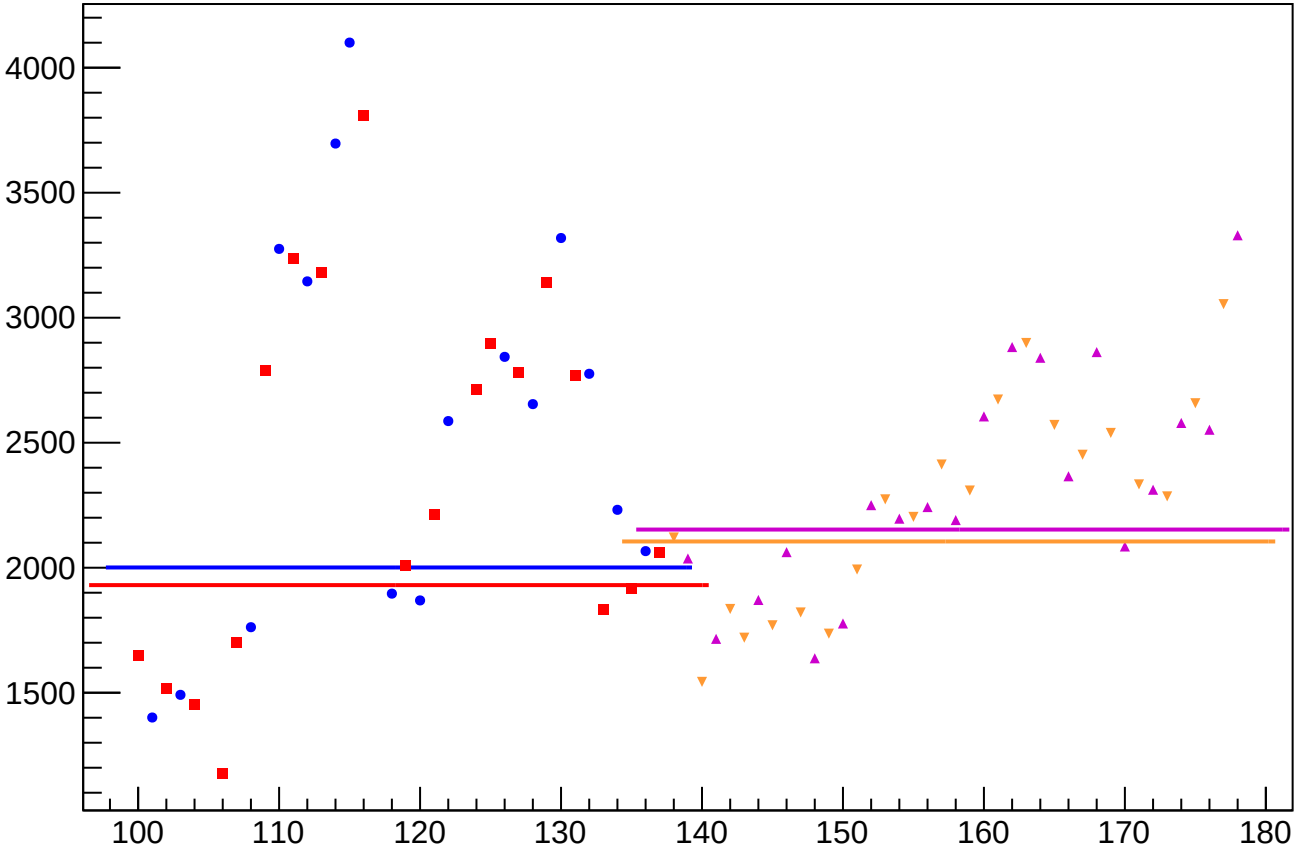
Left In: 0.603+/-0.543 χ^2/NDF:21.5/19

+ sign 0.381+/-0.436 χ^2/NDF: 34.7/36

All: 0.655+/-0.309 χ^2/NDF: 74.3/75

- sign 0.932+/-0.439 χ^2/NDF: 38.9/38

diff_bpm4aediffY_rms vs Slug



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 2105.040+/-0.373 χ^2/NDF:1118214.9/20

Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

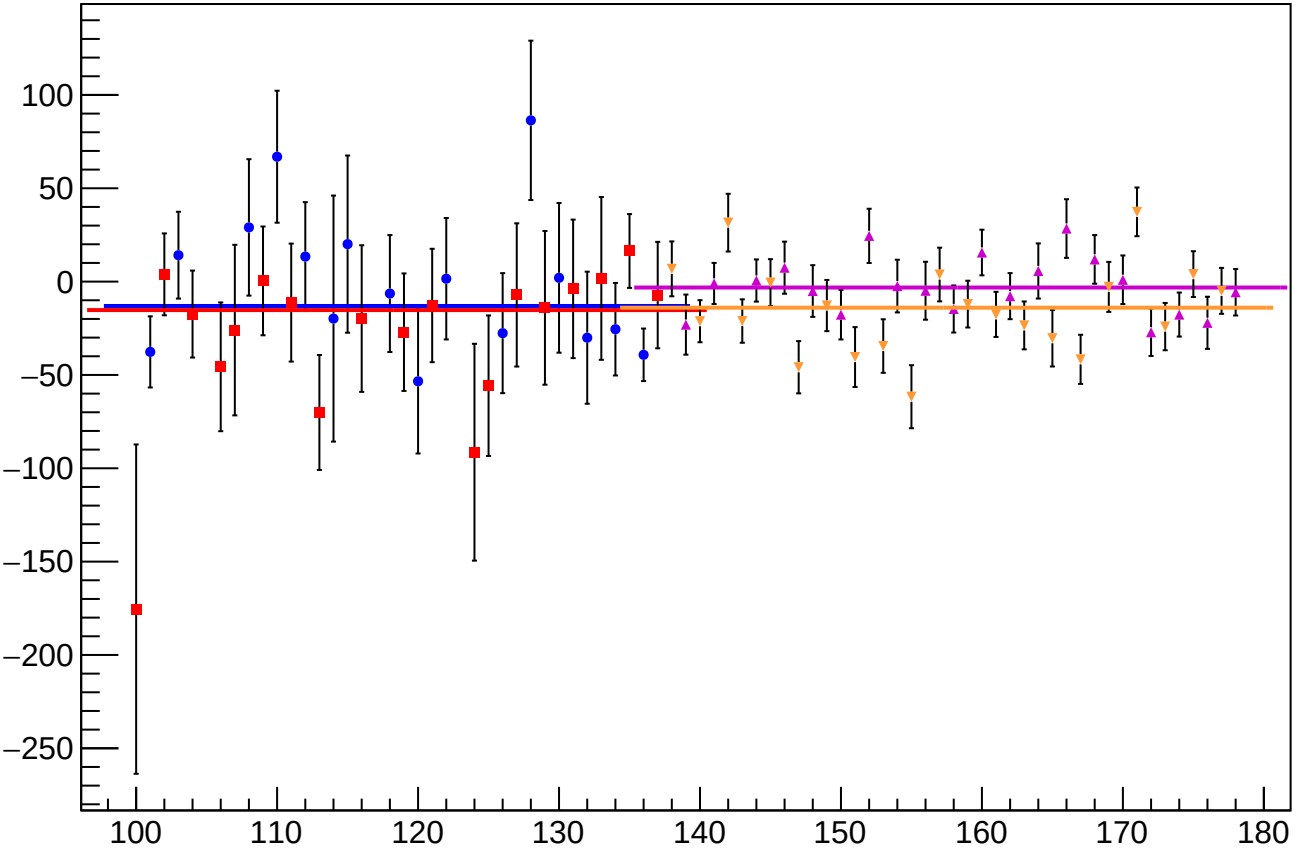
Left In: 2152.663+/-0.384 χ^2/NDF:1040680.6/19

+ sign 2072.313+/-0.309 χ^2/NDF: 2332498.8/36

All: 2073.894+/-0.219 χ^2/NDF: 4893094.9/75

- sign 2075.492+/-0.310 χ^2/NDF: 2560543.3/38

diff_bpmtargetsumX_mean vs Slug



Right In: -13.066+/-7.026 χ^2/NDF: 21.9/15

Left Out: -13.975+/-2.908 χ^2/NDF:57.8/20

Right Out: -15.253+/-7.321 χ^2/NDF: 14.3/18

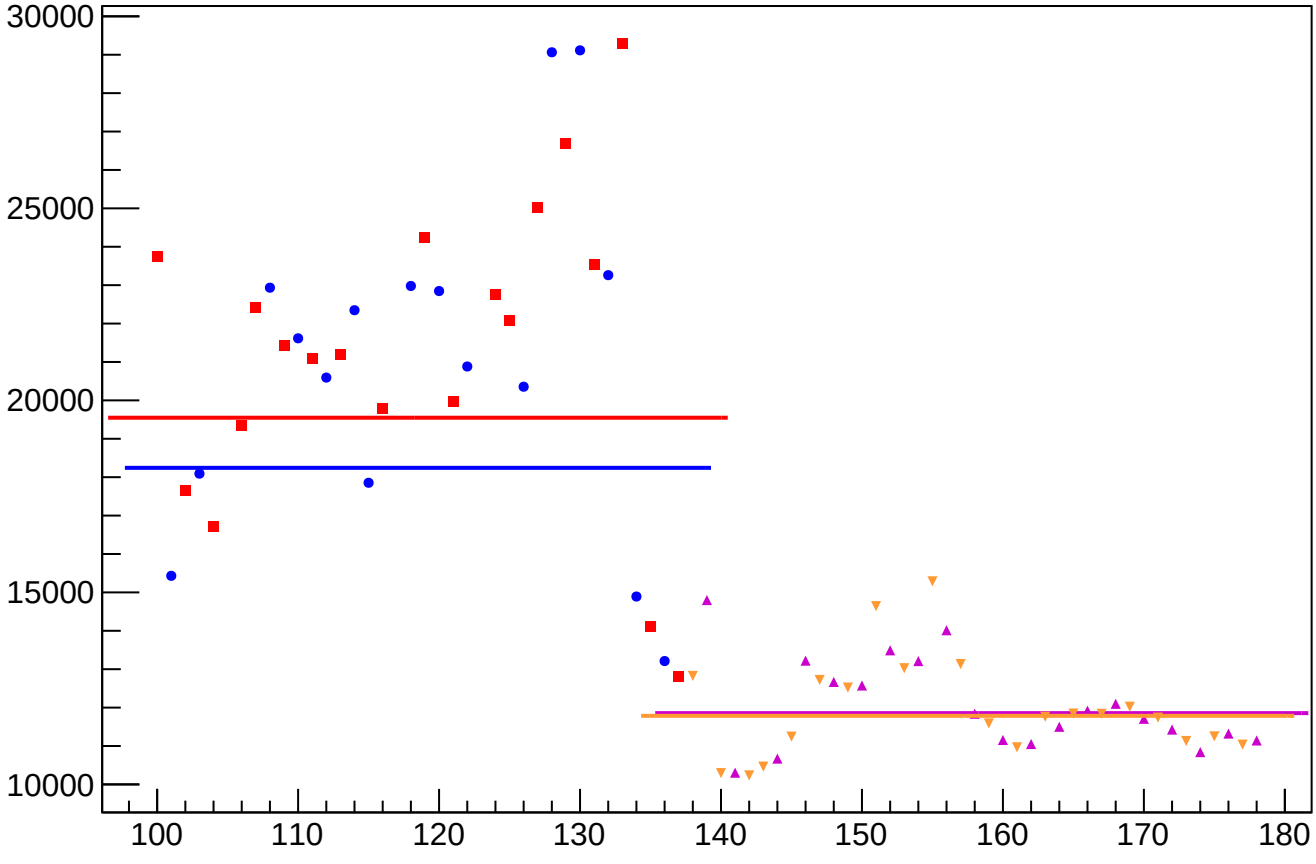
Left In: -3.174+/-2.951 χ^2/NDF:23.2/19

+ sign -13.842+/-2.687 χ^2/NDF: 79.7/36

All: -9.435+/-1.917 χ^2/NDF: 125.1/75

- sign -4.862+/-2.737 χ^2/NDF: 39.9/38

diff_bpmtargetsumX_rms vs Slug



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 11785.931+/-2.056 χ^2/NDF:318300.2/20

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

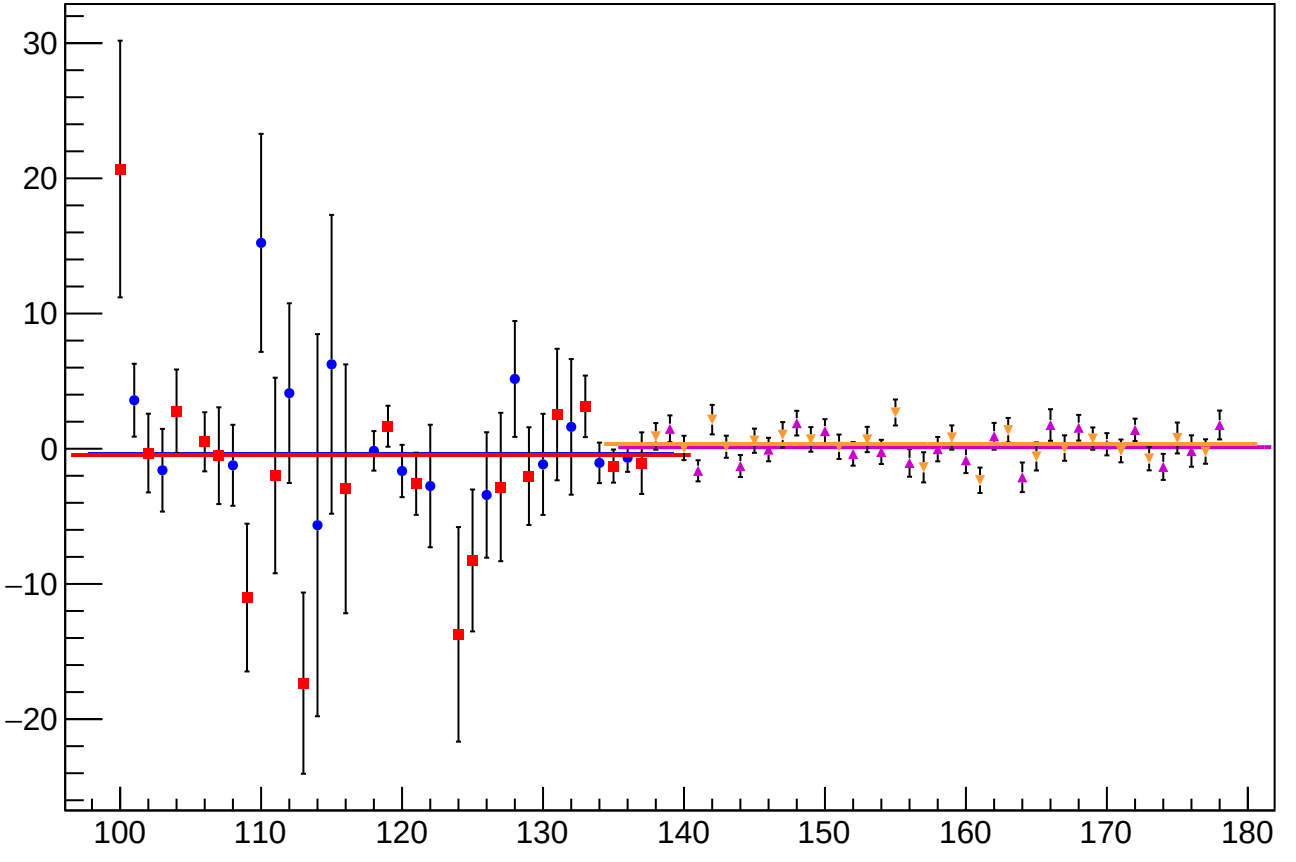
Left In: 11855.985+/-2.087 χ^2/NDF:286749.3/19

+ sign 12730.234+/-1.900 χ^2/NDF: 2580314.5/36

All: 12828.942+/-1.356 χ^2/NDF: 5393854.2/7

- sign 12931.374+/-1.935 χ^2/NDF: 2808039.7/38

diff_bpmtargetdiffX_mean vs Slug



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.347+/-0.203 χ^2/NDF:25.6/20

Right Out: -0.464+/-0.634 χ^2/NDF: 28.0/18

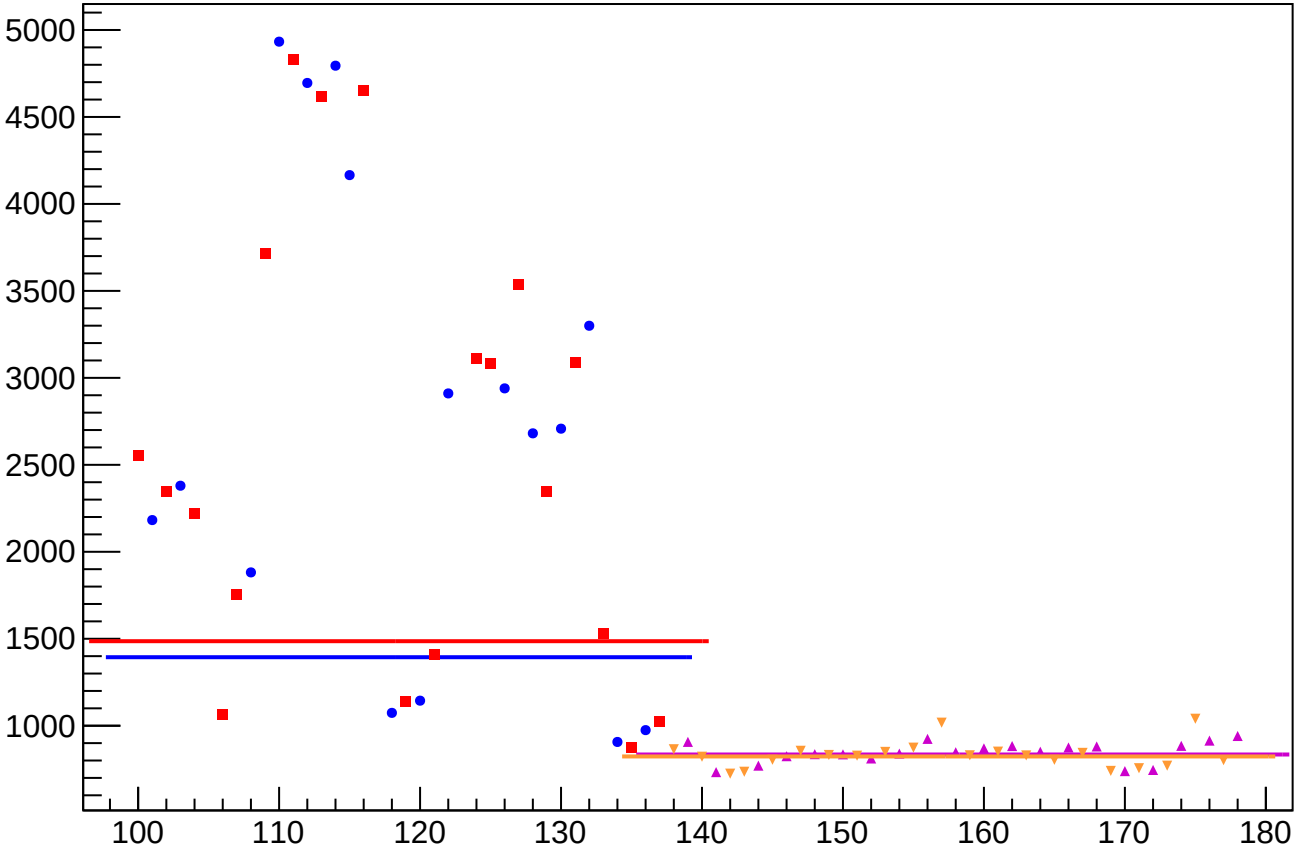
Left In: 0.117+/-0.208 χ^2/NDF:34.5/19

+ sign 0.271+/-0.192 χ^2/NDF: 37.4/36

All: 0.168+/-0.138 χ^2/NDF: 101.4/75

- sign 0.060+/-0.198 χ^2/NDF: 63.4/38

diff_bpmtargetdiffX_rms vs Slug



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 823.356+/-0.144 χ^2/NDF:231597.3/20

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

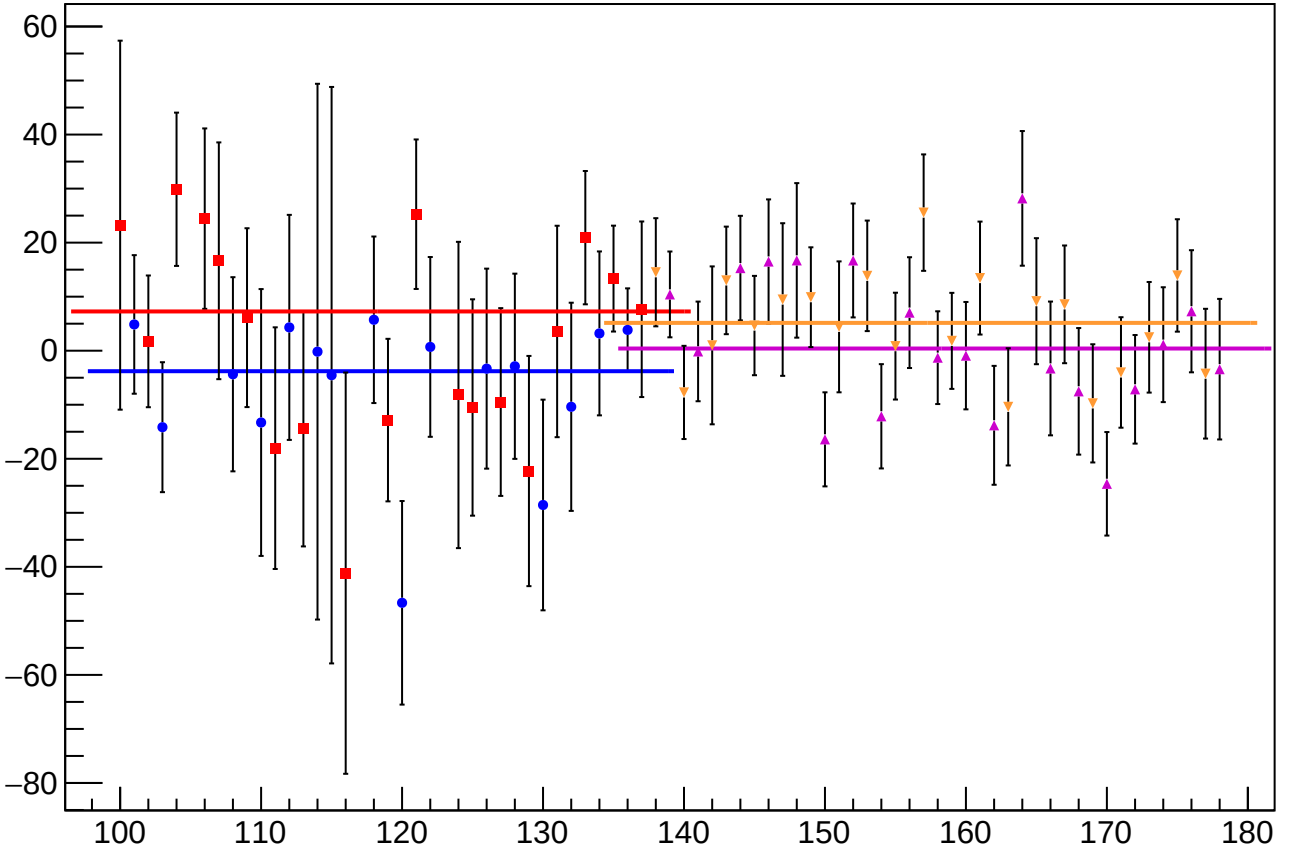
Left In: 834.574+/-0.147 χ^2/NDF:174122.7/19

+ sign 881.932+/-0.136 χ^2/NDF: 5234737.8/36

All: 889.662+/-0.097 χ^2/NDF: 10721353.6/75

- sign 897.817+/-0.140 χ^2/NDF: 5479974.1/38

diff_bpmtargetsumY_mean vs Slug



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

Left Out: 5.149+/-2.284 χ^2/NDF:15.8/20

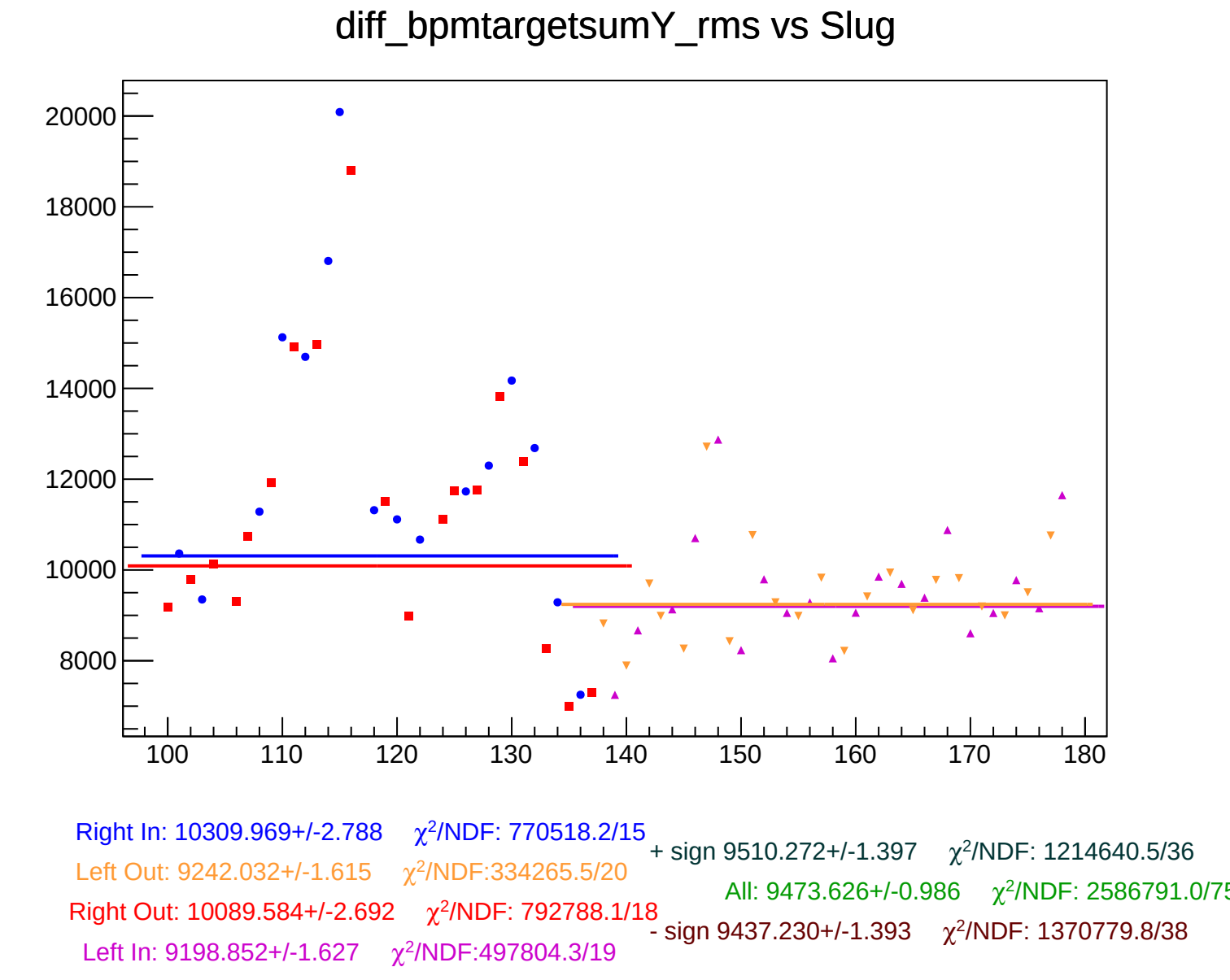
Right Out: 7.264+/-3.807 χ^2/NDF: 17.3/18

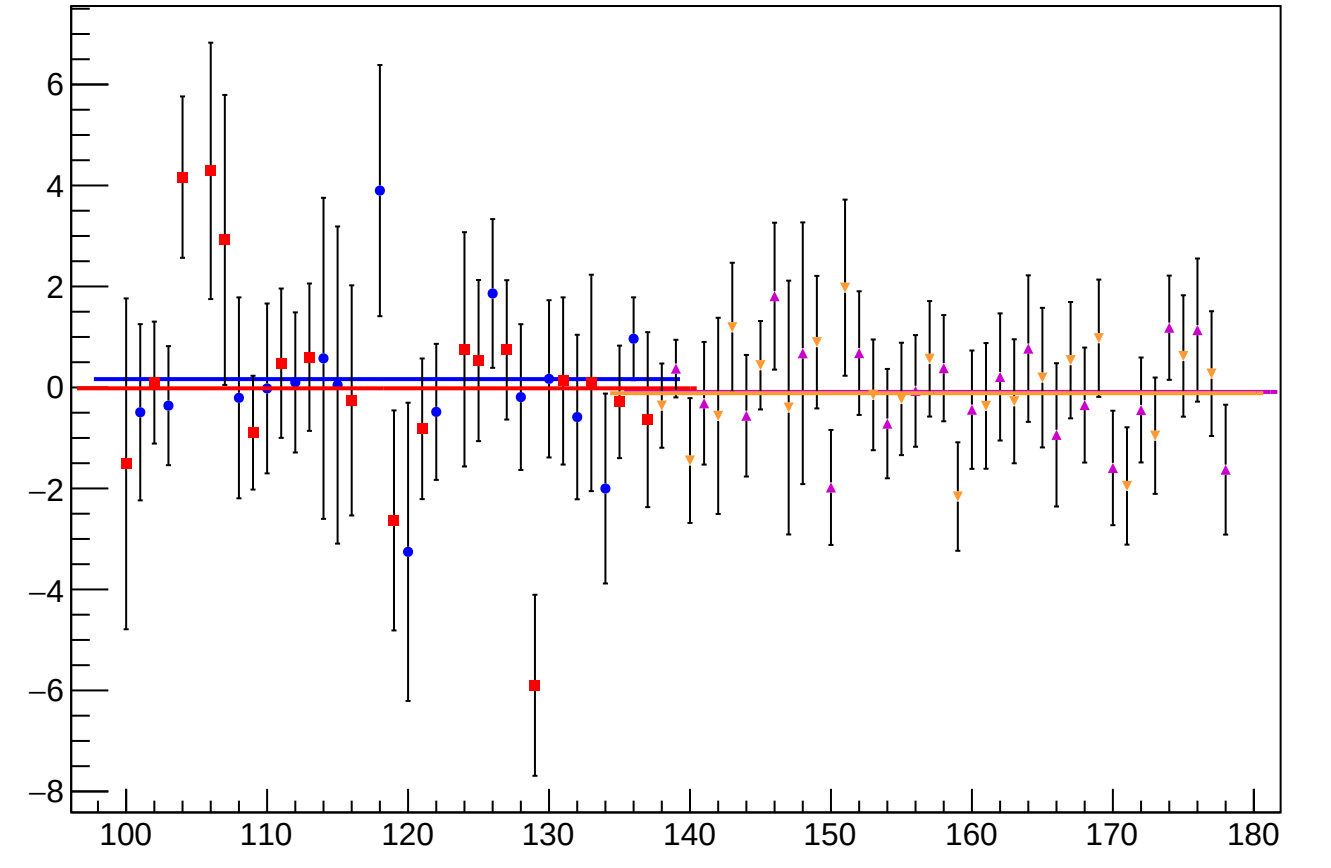
Left In: 0.403+/-2.301 χ^2/NDF:30.6/19

+ sign 2.902+/-1.976 χ^2/NDF: 29.7/36

All: 2.570+/-1.395 χ^2/NDF: 79.9/75

- sign 2.239+/-1.969 χ^2/NDF: 50.2/38


diff_bpmtargetsumY_rms vs Slug
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
180
Right In: 10309.969+/-2.788 χ²/NDF: 770518.2/15
Left Out: 9242.032+/-1.615 χ²/NDF:334265.5/20
Right Out: 10089.584+/-2.692 χ²/NDF: 792788.1/18
Left In: 9198.852+/-1.627 χ²/NDF:497804.3/19
+ sign 9510.272+/-1.397 χ²/NDF: 1214640.5/36
All: 9473.626+/-0.986 χ²/NDF: 2586791.0/75
- sign 9437.230+/-1.393 χ²/NDF: 1370779.8/38



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: -0.114+/-0.260 χ^2/NDF:13.6/20

Right Out: -0.017+/-0.372 χ^2/NDF: 25.2/18

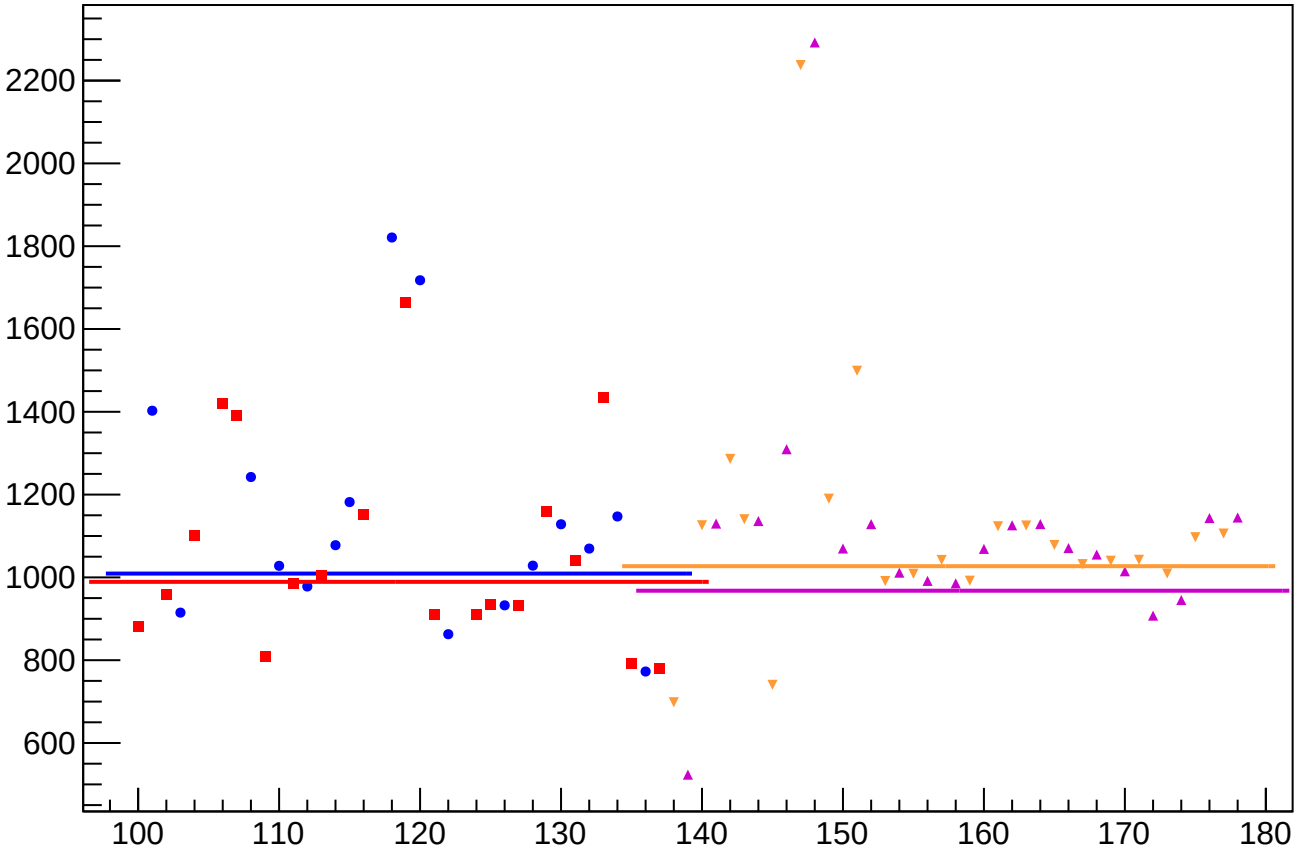
Left In: -0.089+/-0.251 χ^2/NDF:12.8/19

+ sign -0.027+/-0.216 χ^2/NDF: 22.1/36

All: -0.047+/-0.150 χ^2/NDF: 60.1/75

- sign -0.066+/-0.208 χ^2/NDF: 38.0/38

diff_bpmtargetdiffY_rms vs Slug



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 1027.090+/-0.184 χ^2/NDF:1279075.5/20

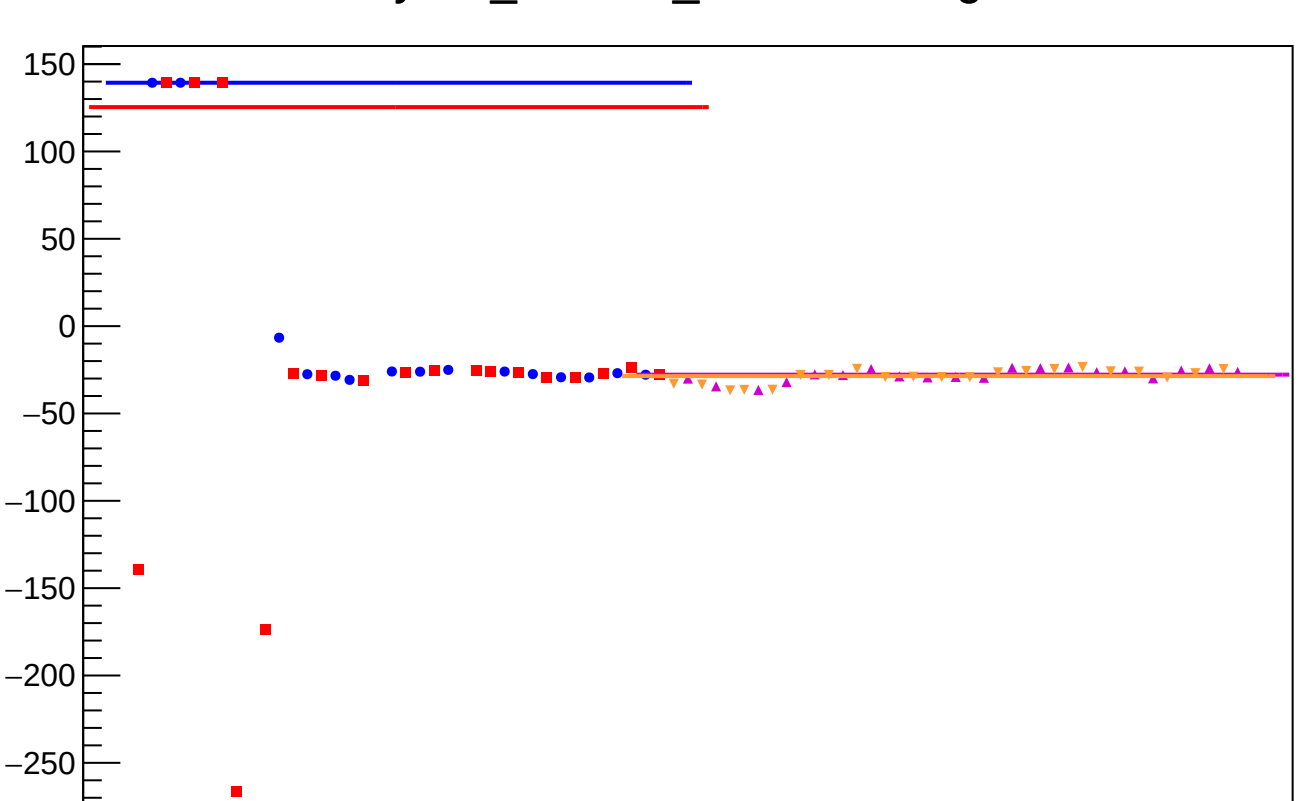
Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 967.828+/-0.177 χ^2/NDF:2149237.2/19

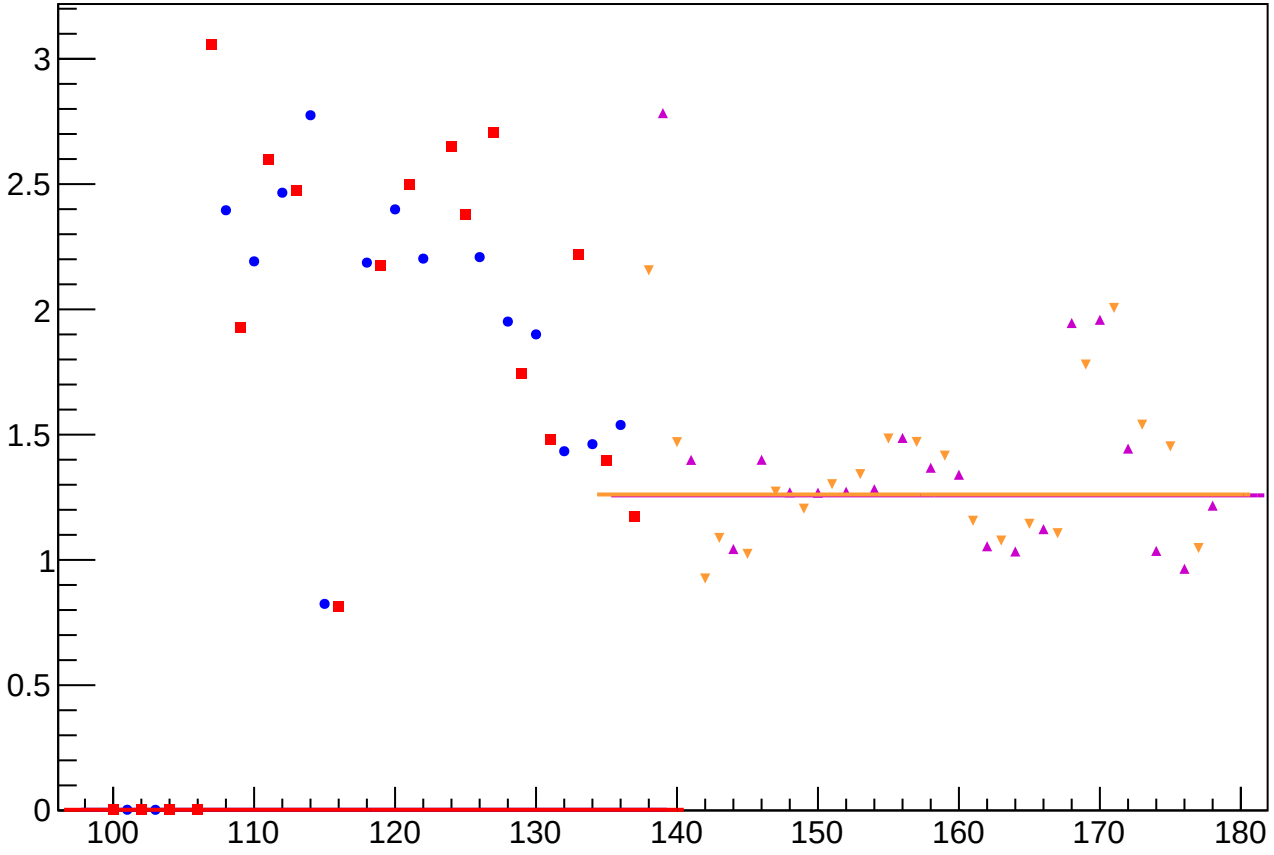
+ sign 1021.516+/-0.153 χ^2/NDF: 1981323.5/36

All: 997.137+/-0.106 χ^2/NDF: 4760113.1/75

- sign 974.508+/-0.147 χ^2/NDF: 2729553.8/38


yield_cav4bX_mean vs Slug
150
100
50
0
−50
−100
−150
−200
−250
−300
100
110
120
130
140
150
160
170
180
Right In: 139.337+/-0.000 χ²/NDF: 47088045550.1/15
Left Out: -28.623+/-0.000 χ²/NDF:148215539.4/20
Right Out: 125.392+/-0.000 χ²/NDF: 774173119844052.5/18
Left In: -27.774+/-0.000 χ²/NDF:113577669.7/19
+ sign 139.329+/-0.000 χ²/NDF: 277835805797.4/3
All: 131.812+/-0.000 χ²/NDF: 79342068578
- sign 125.386+/-0.000 χ²/NDF: 774362063238581

yield_cav4bX_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.261+/-0.000 χ^2/NDF:1015563.1/20

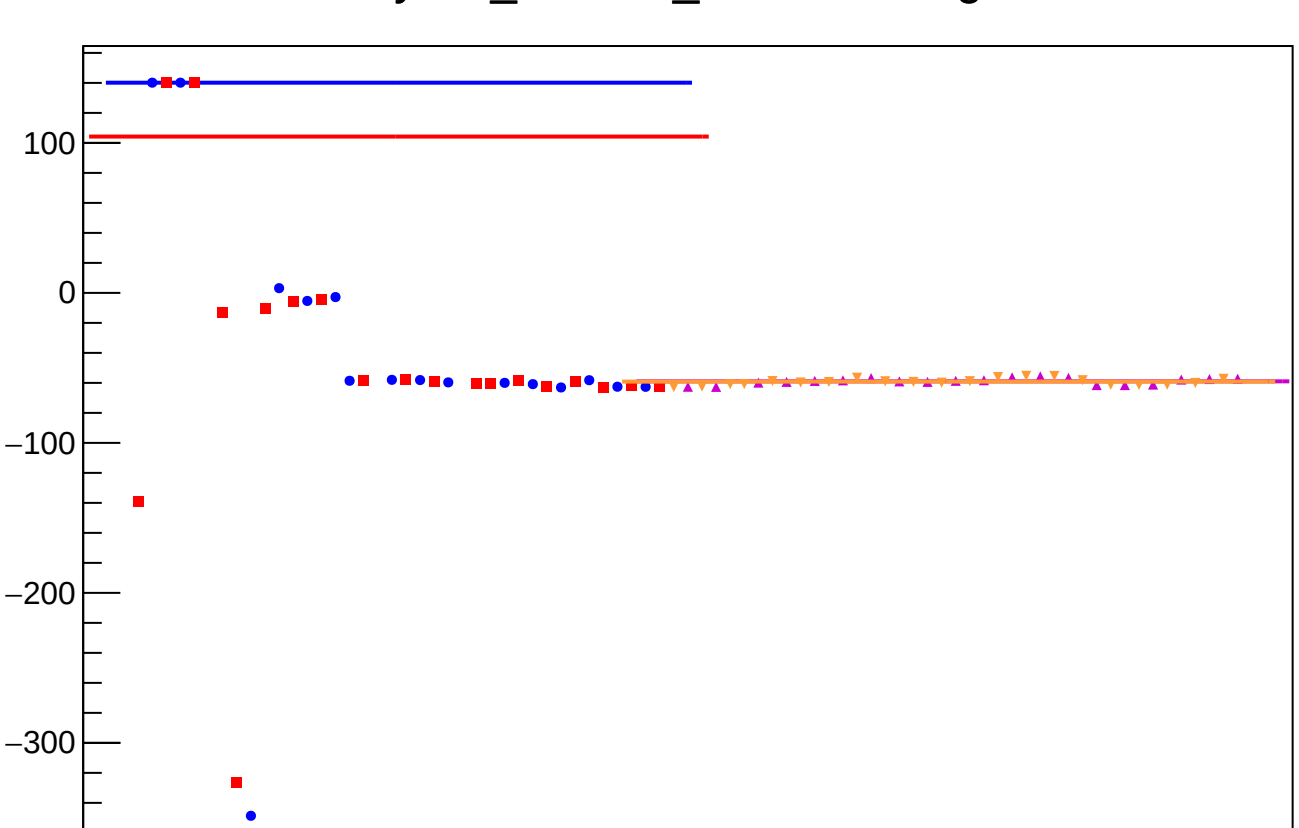
Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.258+/-0.000 χ^2/NDF:1271323.9/19

+ sign 0.003+/-0.000 χ^2/NDF: 36473946.3/36

All: 0.003+/-0.000 χ^2/NDF: 72833688.9/75

- sign 0.003+/-0.000 χ^2/NDF: 36359432.9/38



Right In: 140.143+/-0.000 χ^2/NDF: 187461723281.9/15

Left Out: -59.124+/-0.000 χ^2/NDF:158123882.8/20

Right Out: 104.224+/-0.000 χ^2/NDF: 1257401882577977.0/18

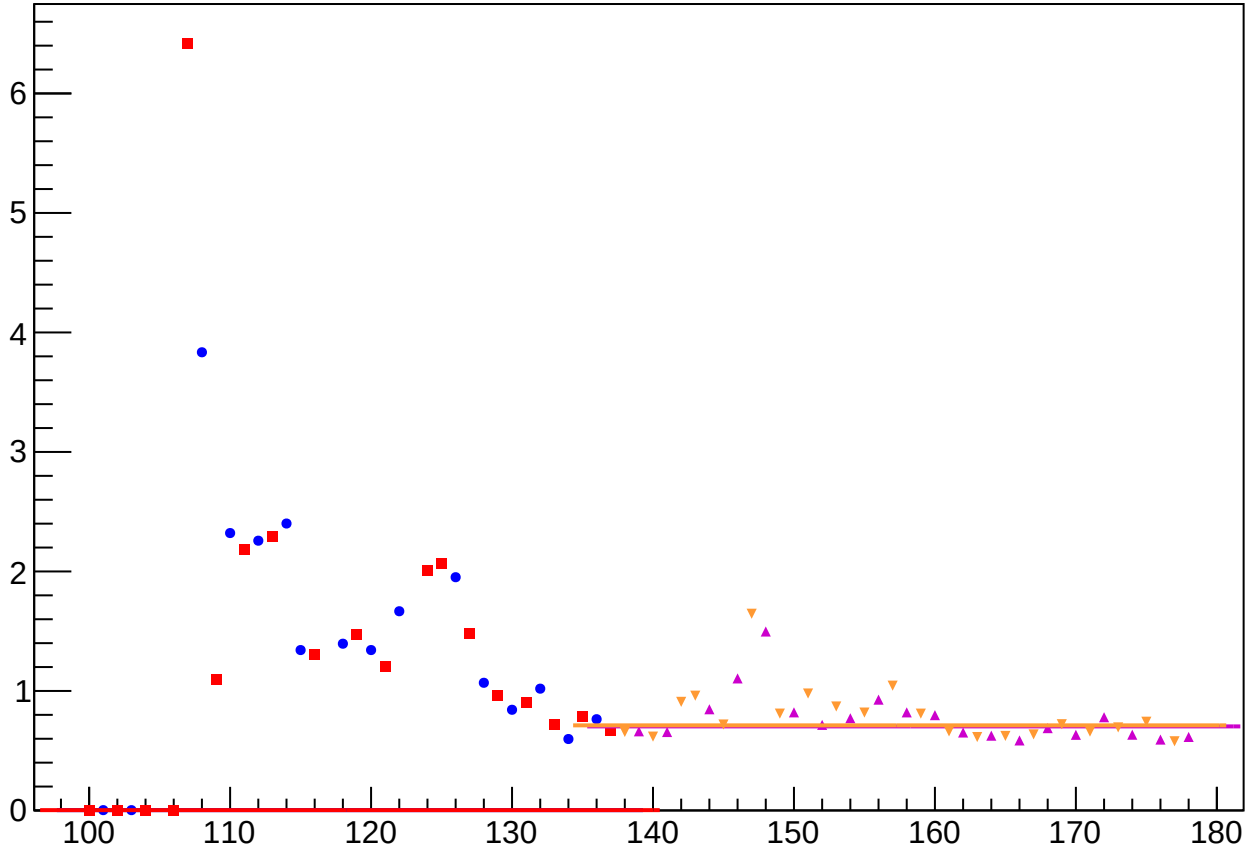
Left In: -58.971+/-0.000 χ^2/NDF:139213099.3/19

+ sign 140.113+/-0.000 χ^2/NDF: 1252417315488.6

All: 120.806+/-0.000 χ^2/NDF: 13826399972

- sign 104.203+/-0.000 χ^2/NDF: 125812333030874

yield_cav4bY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.712+/-0.000 χ^2/NDF:1122603.6/20

Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

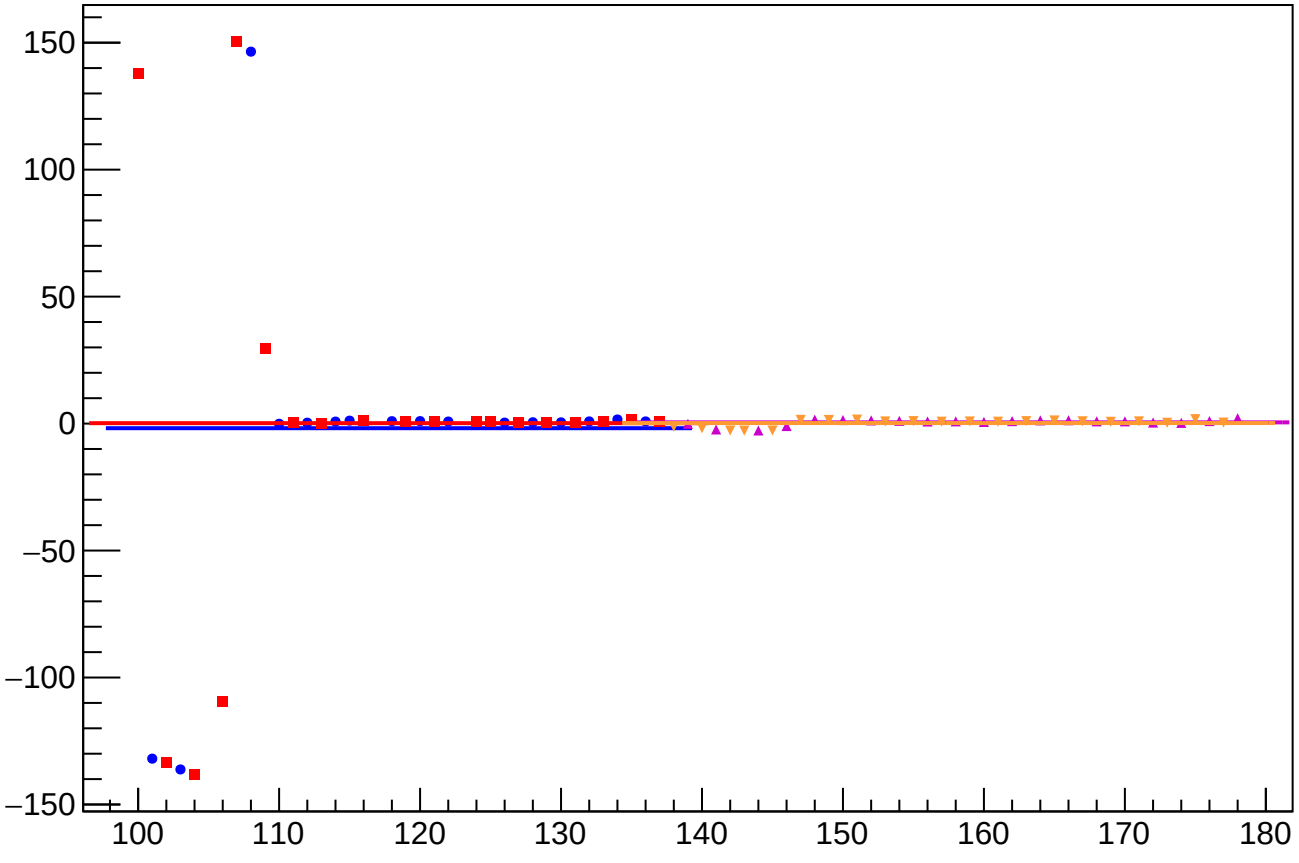
Left In: 0.703+/-0.000 χ^2/NDF:961666.0/19

+ sign 0.003+/-0.000 χ^2/NDF: 38695773.8/36

All: 0.003+/-0.000 χ^2/NDF: 76518586.9/75

- sign 0.003+/-0.000 χ^2/NDF: 37822370.6/38

yield_cav4cX_mean vs Slug



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: 0.207+/-0.000 χ^2/NDF:107318277.2/20

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

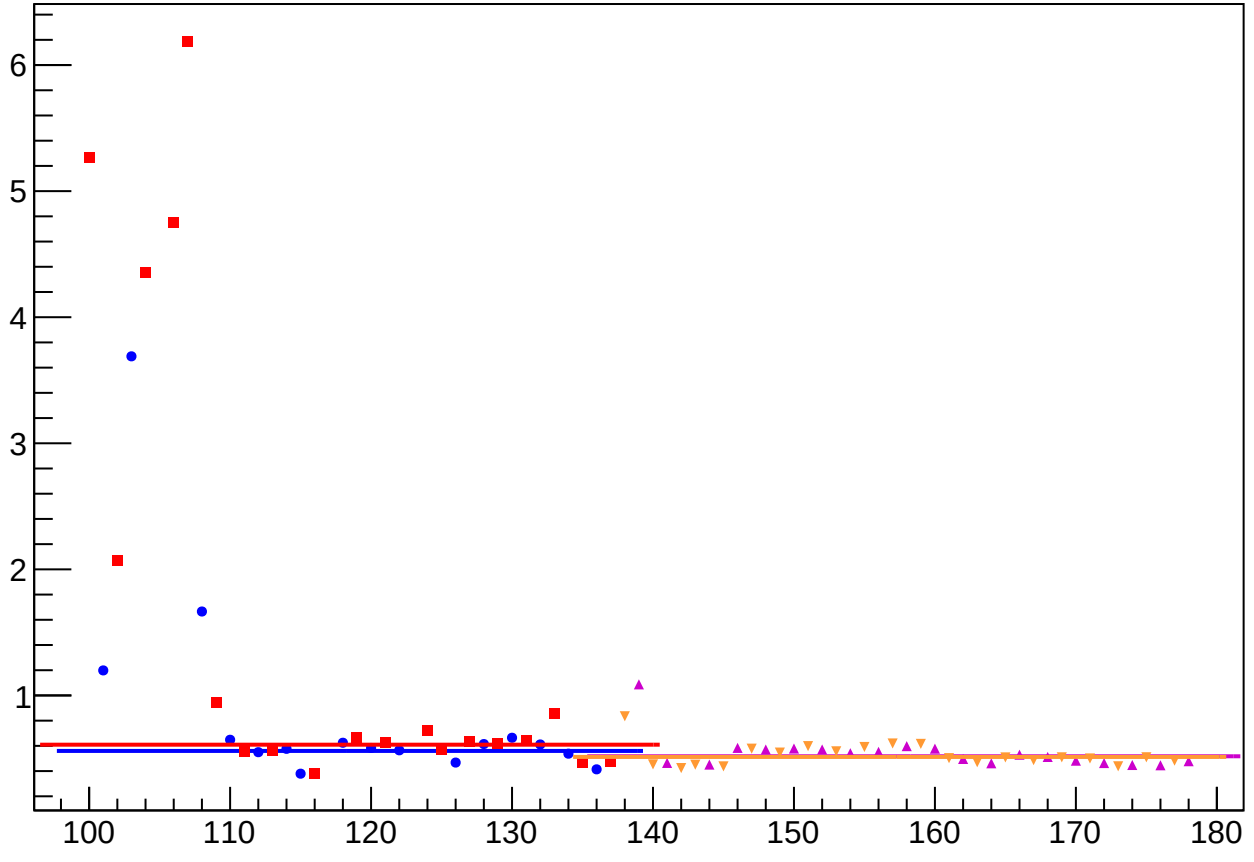
Left In: 0.485+/-0.000 χ^2/NDF:79648059.1/19

+ sign -0.281+/-0.000 χ^2/NDF: 10044705523.1/36

All: 0.055+/-0.000 χ^2/NDF: 13752353736.0/7

- sign 0.416+/-0.000 χ^2/NDF: 3691974069.8/38

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:524139.6/20

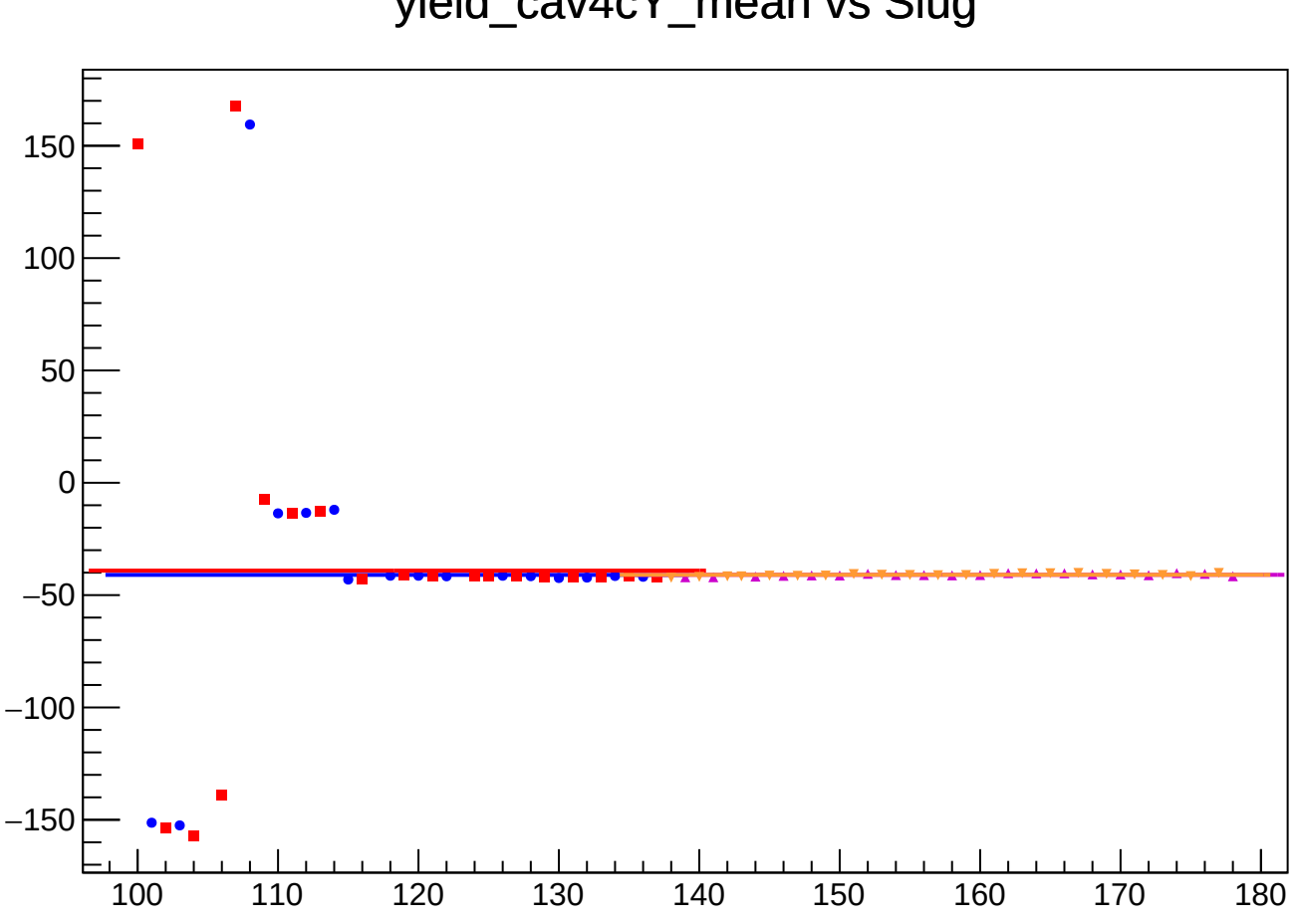
Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.517+/-0.000 χ^2/NDF:728305.4/19

+ sign 0.524+/-0.000 χ^2/NDF: 2177611.7/36

All: 0.530+/-0.000 χ^2/NDF: 5570958.4/75

- sign 0.537+/-0.000 χ^2/NDF: 3381859.7/38



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

Left Out: -40.956+/-0.000 χ^2/NDF:40836777.9/20

Right Out: -39.101+/-0.000 χ^2/NDF: 2480133442.0/18

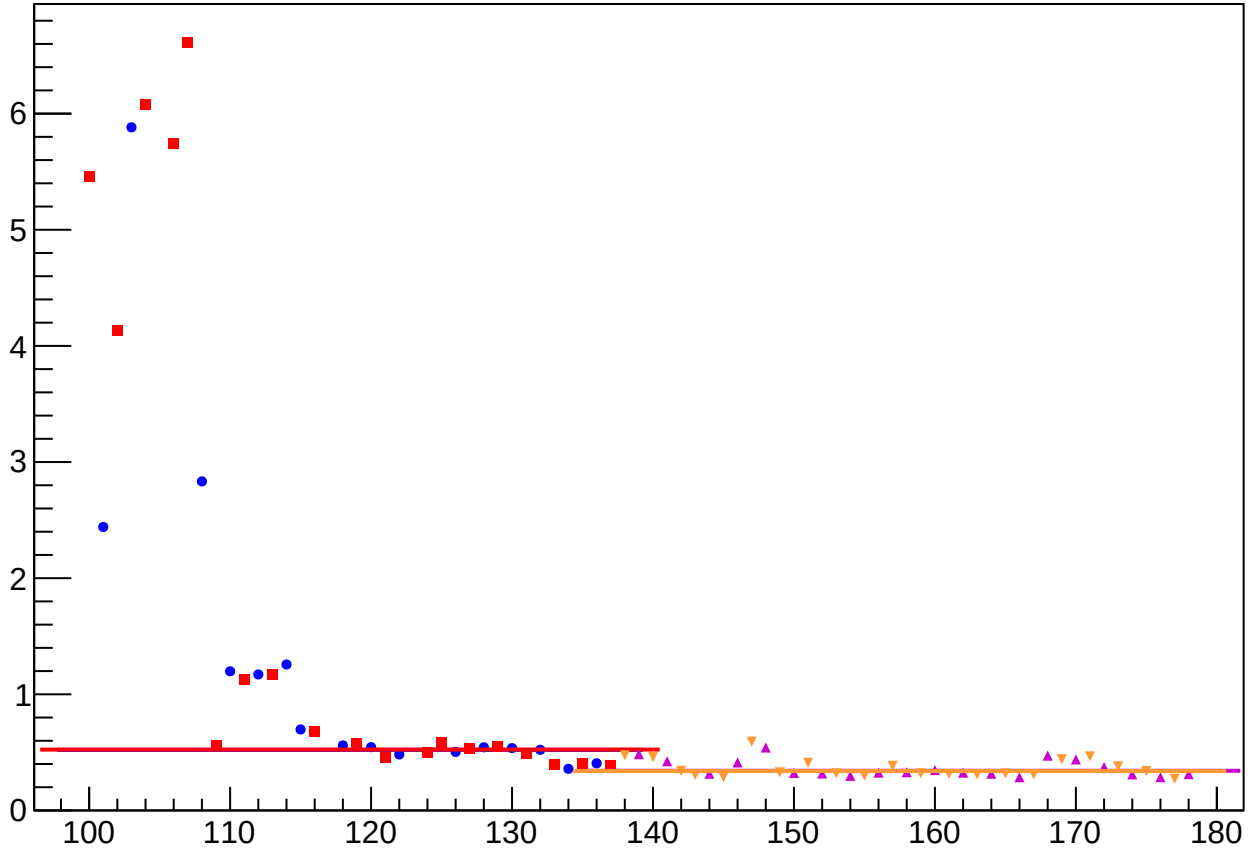
Left In: -40.964+/-0.000 χ^2/NDF:37262081.1/19

+ sign -40.960+/-0.000 χ^2/NDF: 3490474096.7/36

All: -40.850+/-0.000 χ^2/NDF: 6066162909.5/

- sign -40.737+/-0.000 χ^2/NDF: 2571982129.8/38

yield_cav4cY_rms vs Slug



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.339+/-0.000 χ^2/NDF:1023421.9/20

Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

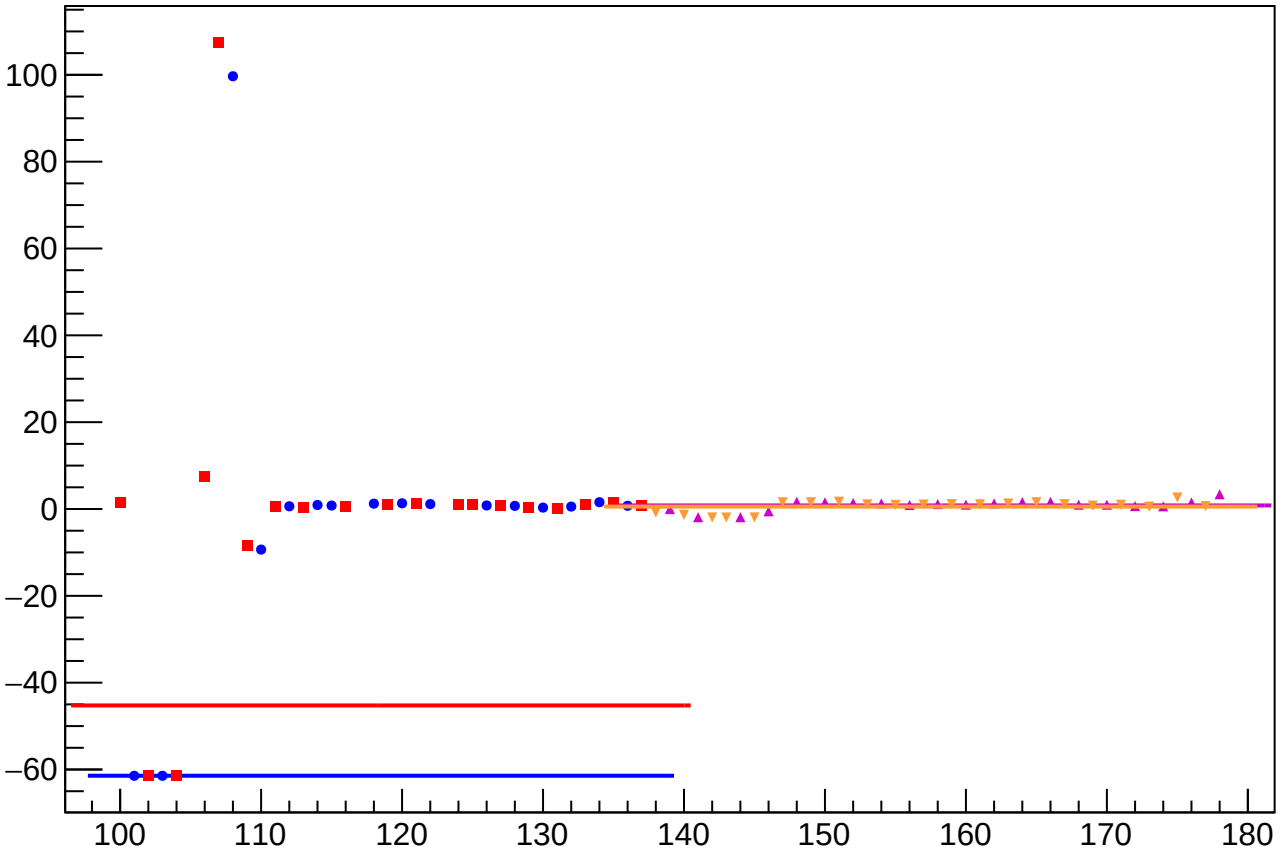
Left In: 0.342+/-0.000 χ^2/NDF:857017.0/19

+ sign 0.361+/-0.000 χ^2/NDF: 5056309.6/36

All: 0.363+/-0.000 χ^2/NDF: 10224774.2/75

- sign 0.364+/-0.000 χ^2/NDF: 5167614.3/38

yield_cav4dX_mean vs Slug



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: 0.554+/-0.000 χ^2/NDF:119208008.0/20

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

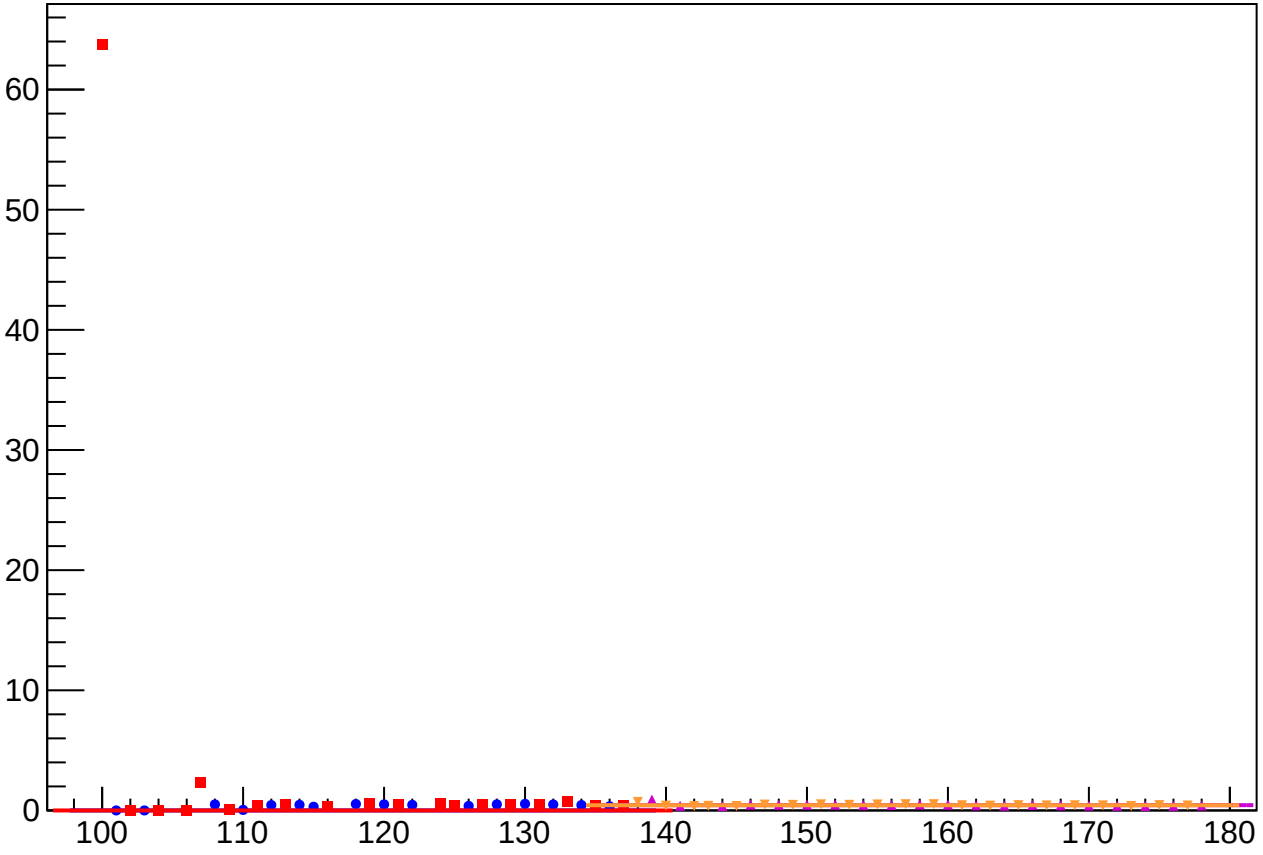
Left In: 0.822+/-0.000 χ^2/NDF:107415416.3/19

+ sign -61.424+/-0.000 χ^2/NDF: 546408245568.0/3

All: -52.740+/-0.000 χ^2/NDF: 409518346200

- sign -45.238+/-0.000 χ^2/NDF: 358014266686263.

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:512309.2/20

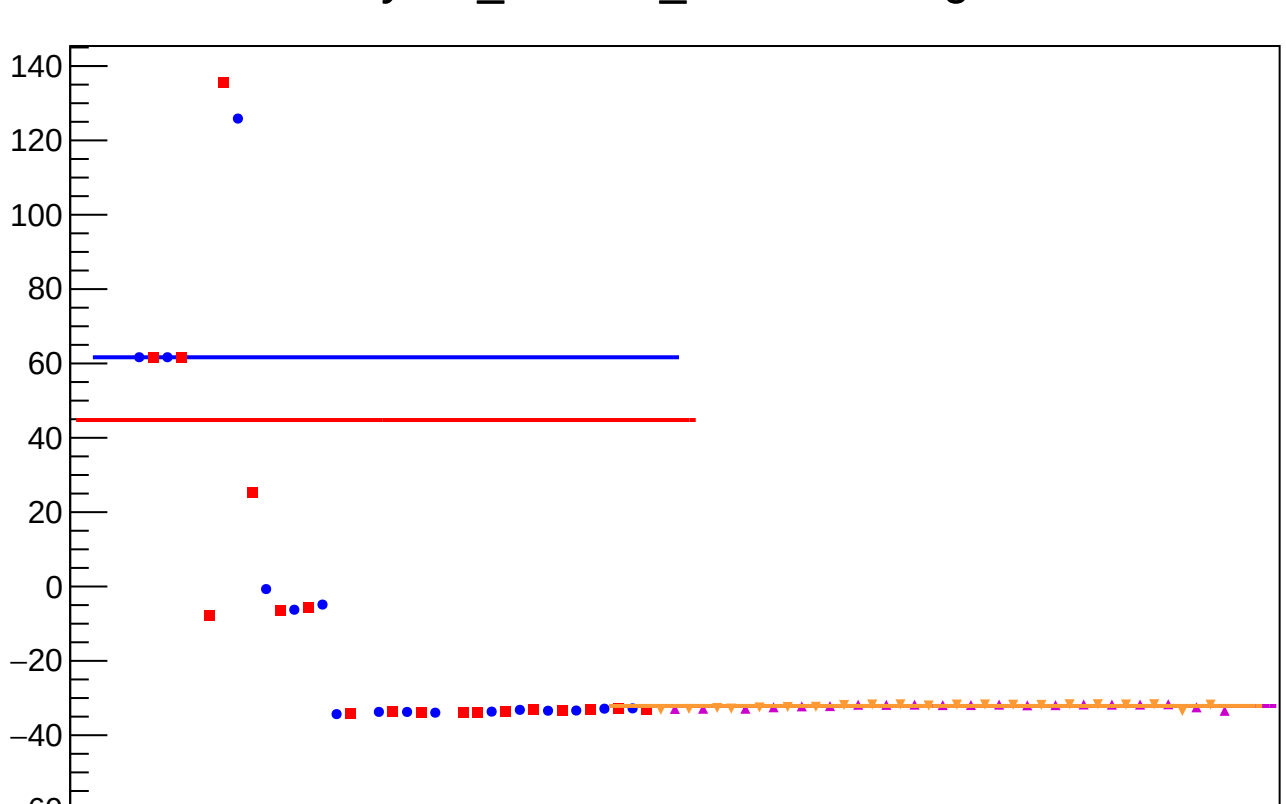
Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

Left In: 0.440+/-0.000 χ^2/NDF:688759.8/19

+ sign 0.002+/-0.000 χ^2/NDF: 36237179.1/36

All: 0.002+/-0.000 χ^2/NDF: 72352013.0/75

- sign 0.002+/-0.000 χ^2/NDF: 36114731.0/38



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.126+/-0.000 χ^2/NDF:58324202.1/20

Right Out: 44.786+/-0.000 χ^2/NDF: 366094778229951.8/18

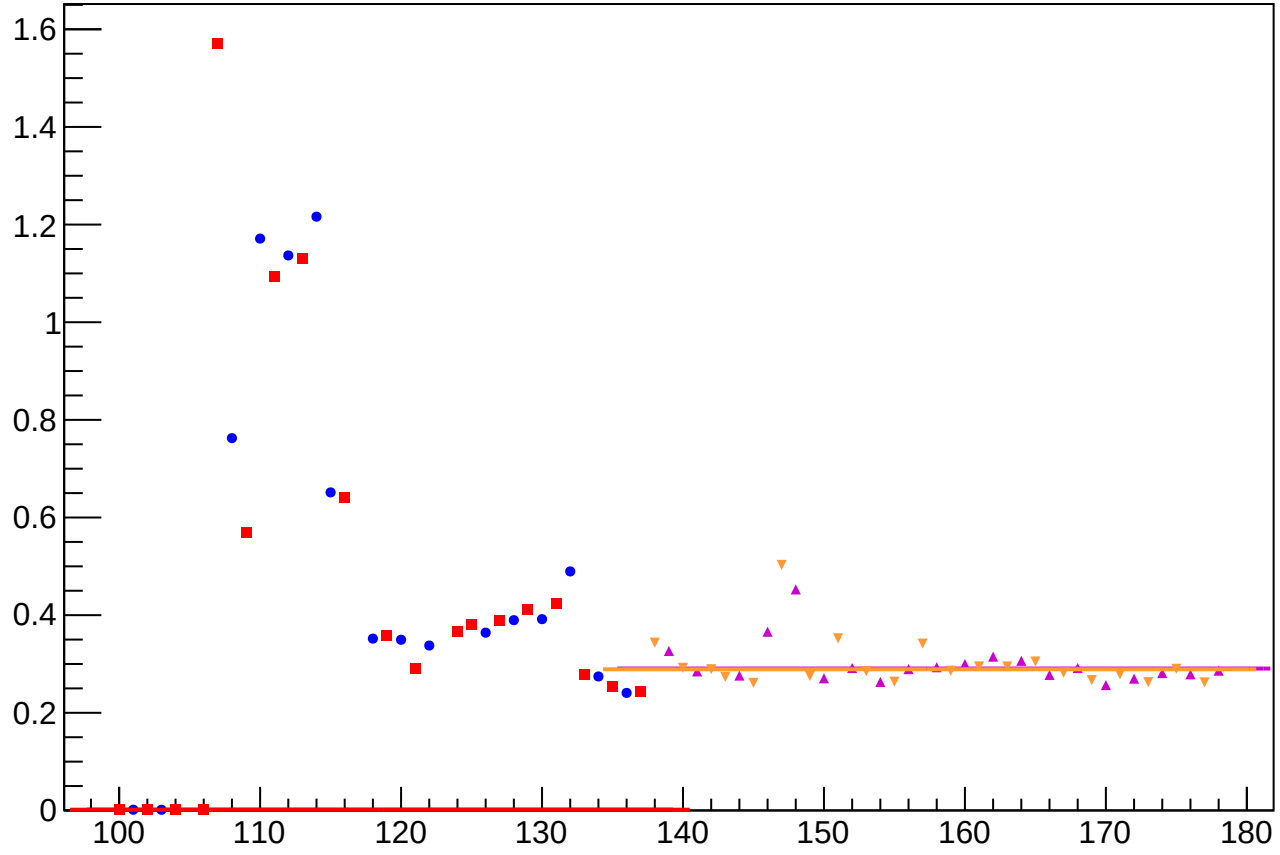
Left In: -32.140+/-0.000 χ^2/NDF:47748285.7/19

+ sign 61.609+/-0.000 χ^2/NDF: 2033919967390.9/3

All: 52.645+/-0.000 χ^2/NDF: 420253184980

- sign 44.749+/-0.000 χ^2/NDF: 367183491463281.6

yield_cav4dY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.289+/-0.000 χ^2/NDF:506839.2/20

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

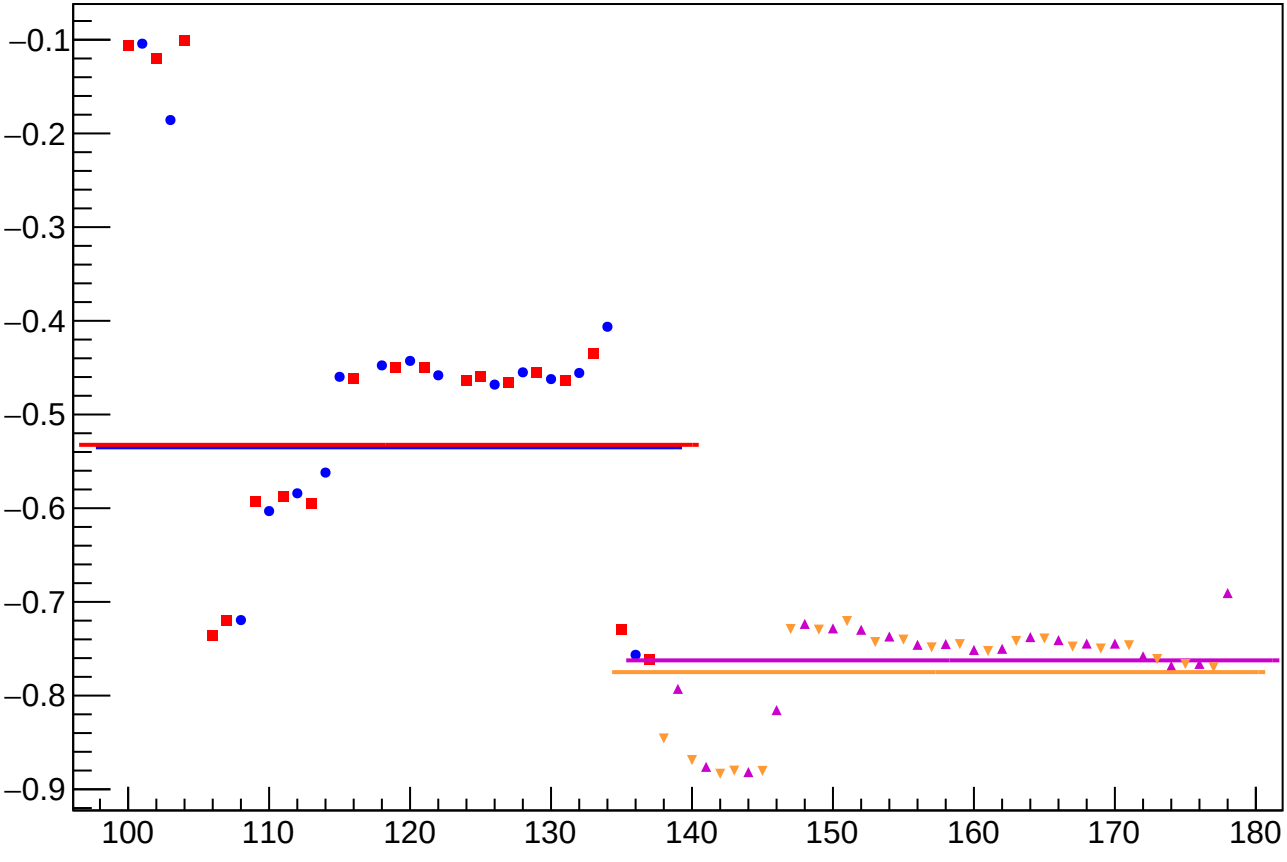
Left In: 0.291+/-0.000 χ^2/NDF:383936.3/19

+ sign 0.002+/-0.000 χ^2/NDF: 42832530.2/36

All: 0.002+/-0.000 χ^2/NDF: 84530630.5/75

- sign 0.002+/-0.000 χ^2/NDF: 41698095.7/38

yield_bpm4aX_mean vs Slug



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.775+/-0.000 χ^2/NDF:112077852.9/20

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

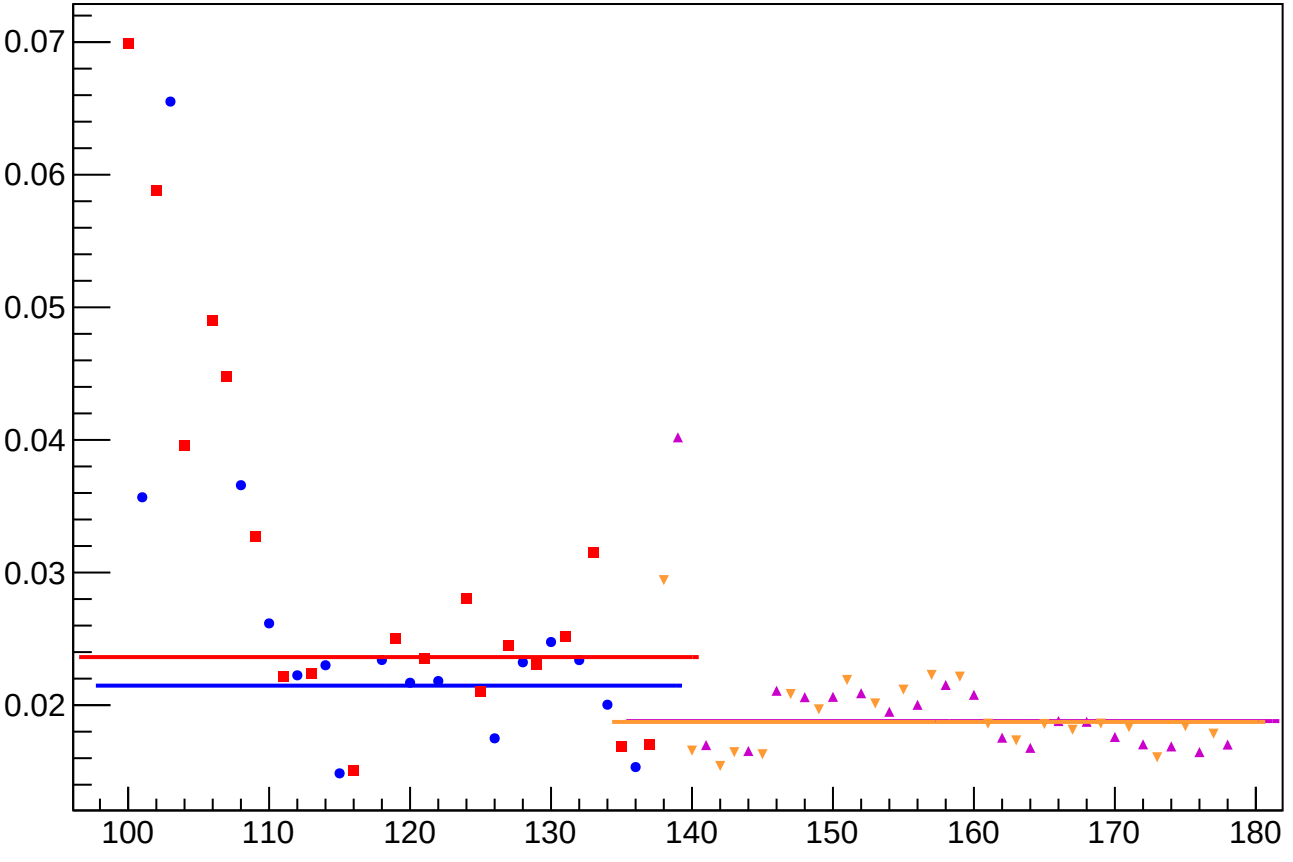
Left In: -0.762+/-0.000 χ^2/NDF:90287022.6/19

+ sign -0.719+/-0.000 χ^2/NDF: 925387044.4/36

All: -0.716+/-0.000 χ^2/NDF: 1646687295.8/7

- sign -0.713+/-0.000 χ^2/NDF: 720615563.9/38

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:455590.8/20

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

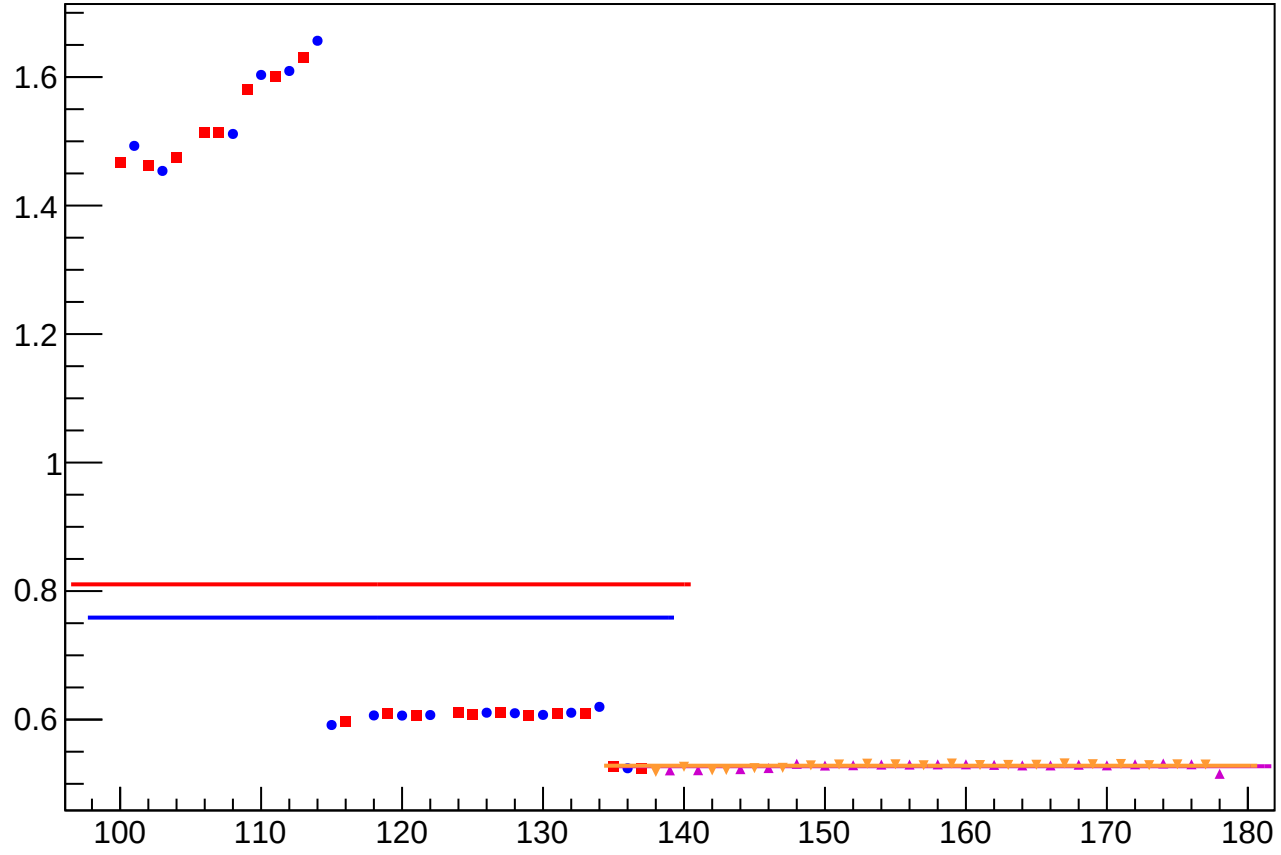
Left In: 0.019+/-0.000 χ^2/NDF:706536.5/19

+ sign 0.019+/-0.000 χ^2/NDF: 1742929.8/36

All: 0.020+/-0.000 χ^2/NDF: 4102918.8/75

- sign 0.020+/-0.000 χ^2/NDF: 2350164.4/38

yield_bpm4aY_mean vs Slug



Right In: 0.759+/-0.000 χ^2/NDF: 4304169889.2/15

Left Out: 0.528+/-0.000 χ^2/NDF:1462540.2/20

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

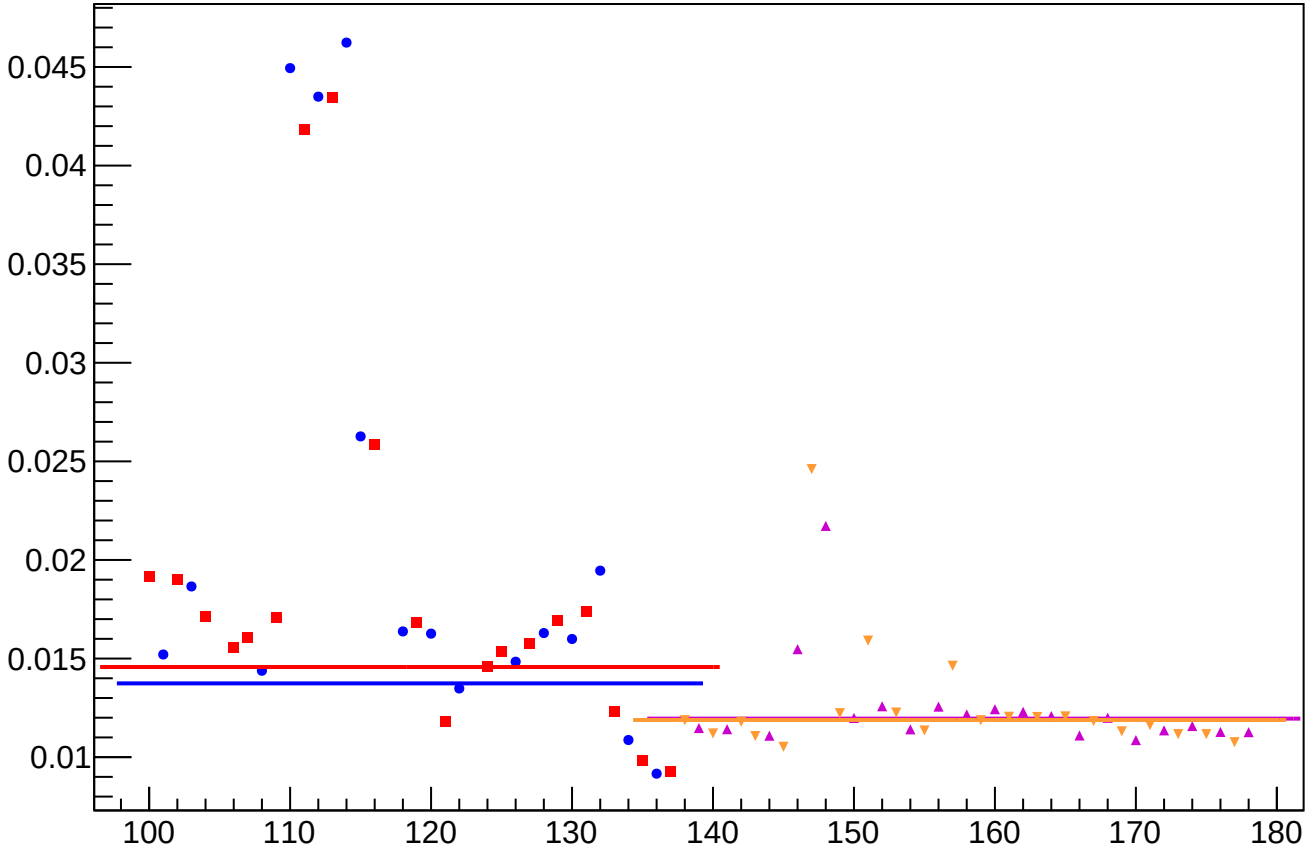
Left In: 0.527+/-0.000 χ^2/NDF:2060821.9/19

+ sign 0.579+/-0.000 χ^2/NDF: 5613608422.4/36

All: 0.583+/-0.000 χ^2/NDF: 12245915145.2/7

- sign 0.587+/-0.000 χ^2/NDF: 6627076021.8/38

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:663171.4/20

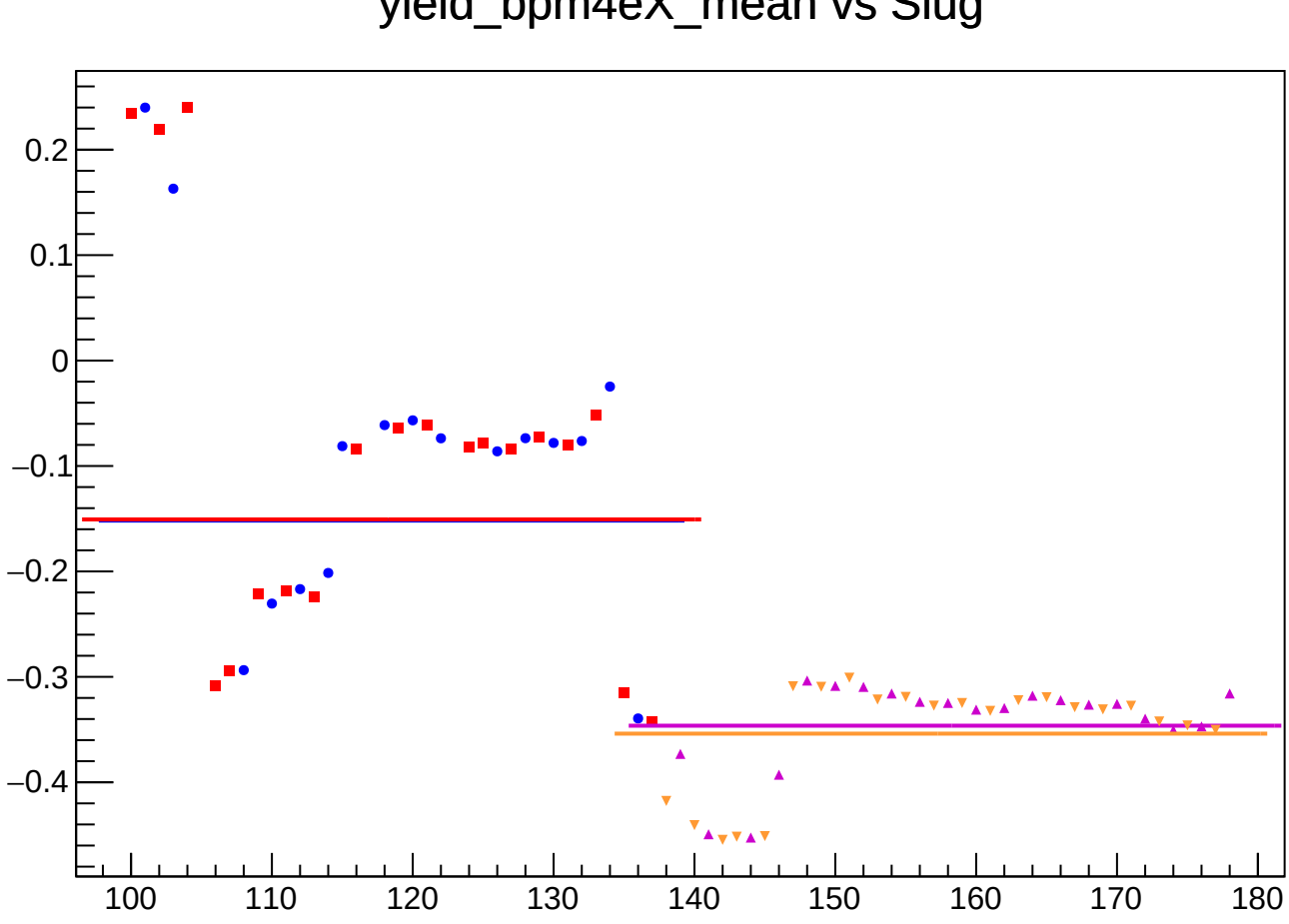
Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

Left In: 0.012+/-0.000 χ^2/NDF:473956.1/19

+ sign 0.012+/-0.000 χ^2/NDF: 2482437.0/36

All: 0.012+/-0.000 χ^2/NDF: 4735394.8/75

- sign 0.013+/-0.000 χ^2/NDF: 2246348.4/38



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.354+/-0.000 χ^2/NDF:107965395.6/20

Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

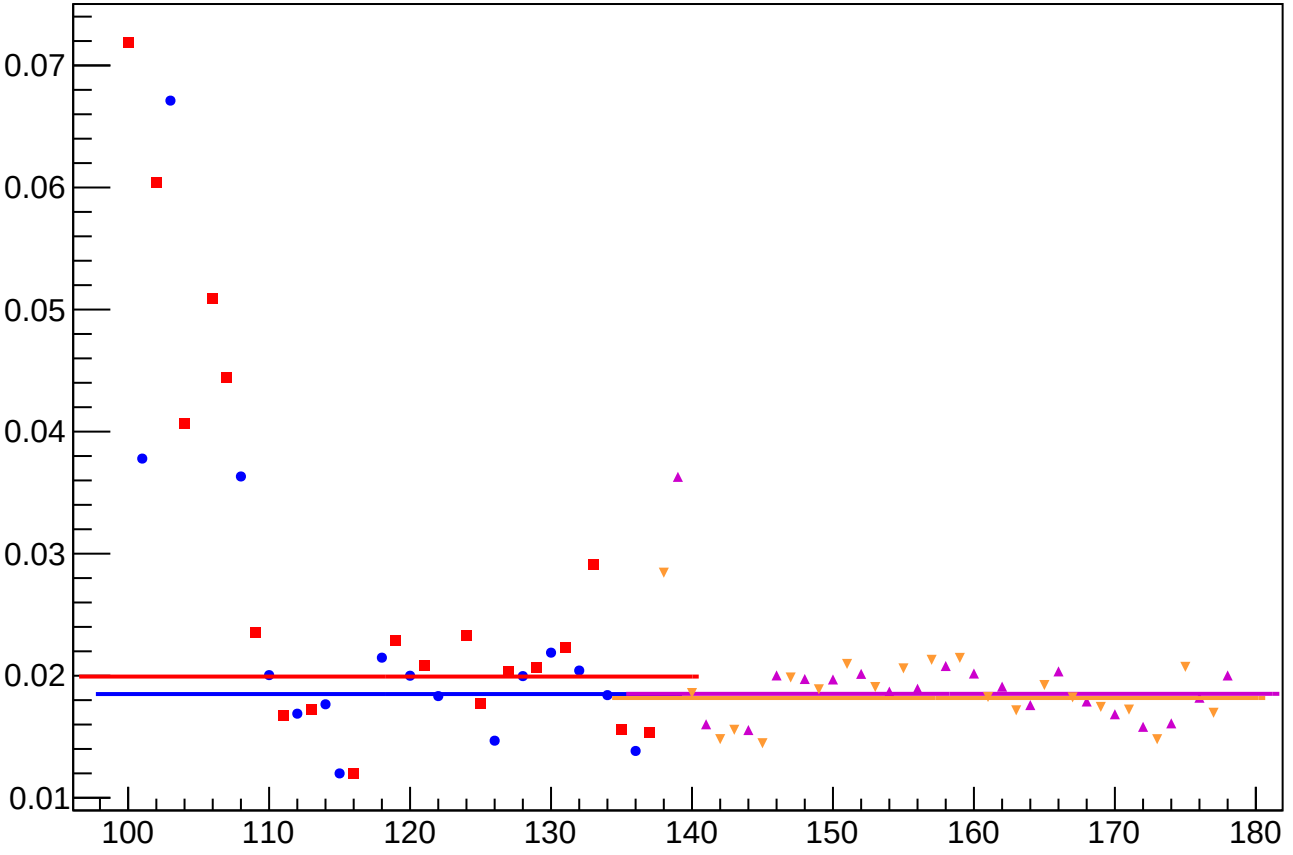
Left In: -0.346+/-0.000 χ^2/NDF:79854888.0/19

+ sign -0.298+/-0.000 χ^2/NDF: 841489439.5/36

All: -0.297+/-0.000 χ^2/NDF: 1508308001.2/7

- sign -0.295+/-0.000 χ^2/NDF: 666514022.4/38

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:545971.4/20

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

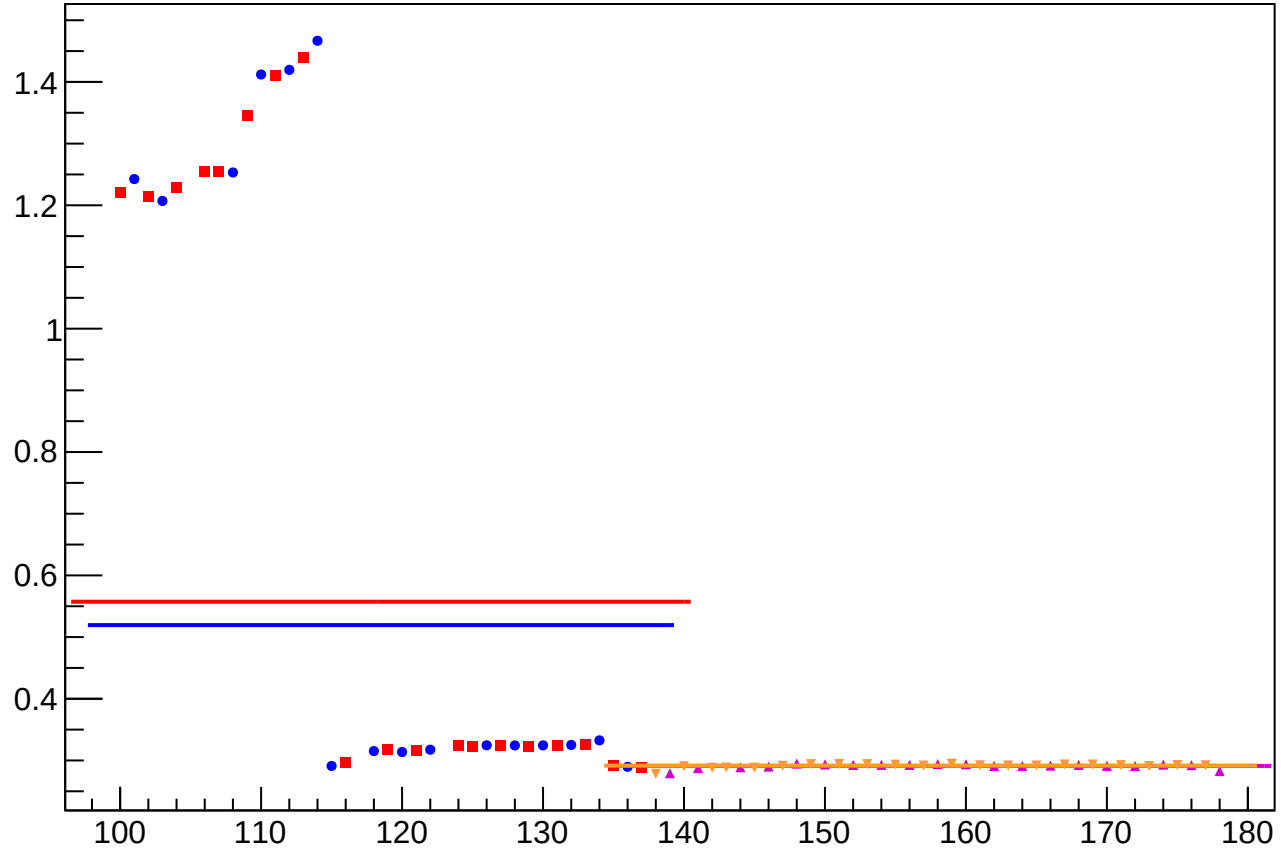
Left In: 0.019+/-0.000 χ^2/NDF:643426.4/19

+ sign 0.018+/-0.000 χ^2/NDF: 1920706.0/36

All: 0.019+/-0.000 χ^2/NDF: 4173387.3/75

- sign 0.019+/-0.000 χ^2/NDF: 2231487.8/38

yield_bpm4eY_mean vs Slug



Right In: 0.519+/-0.000 χ^2/NDF: 6319132275.3/15

Left Out: 0.292+/-0.000 χ^2/NDF:1211692.8/20

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

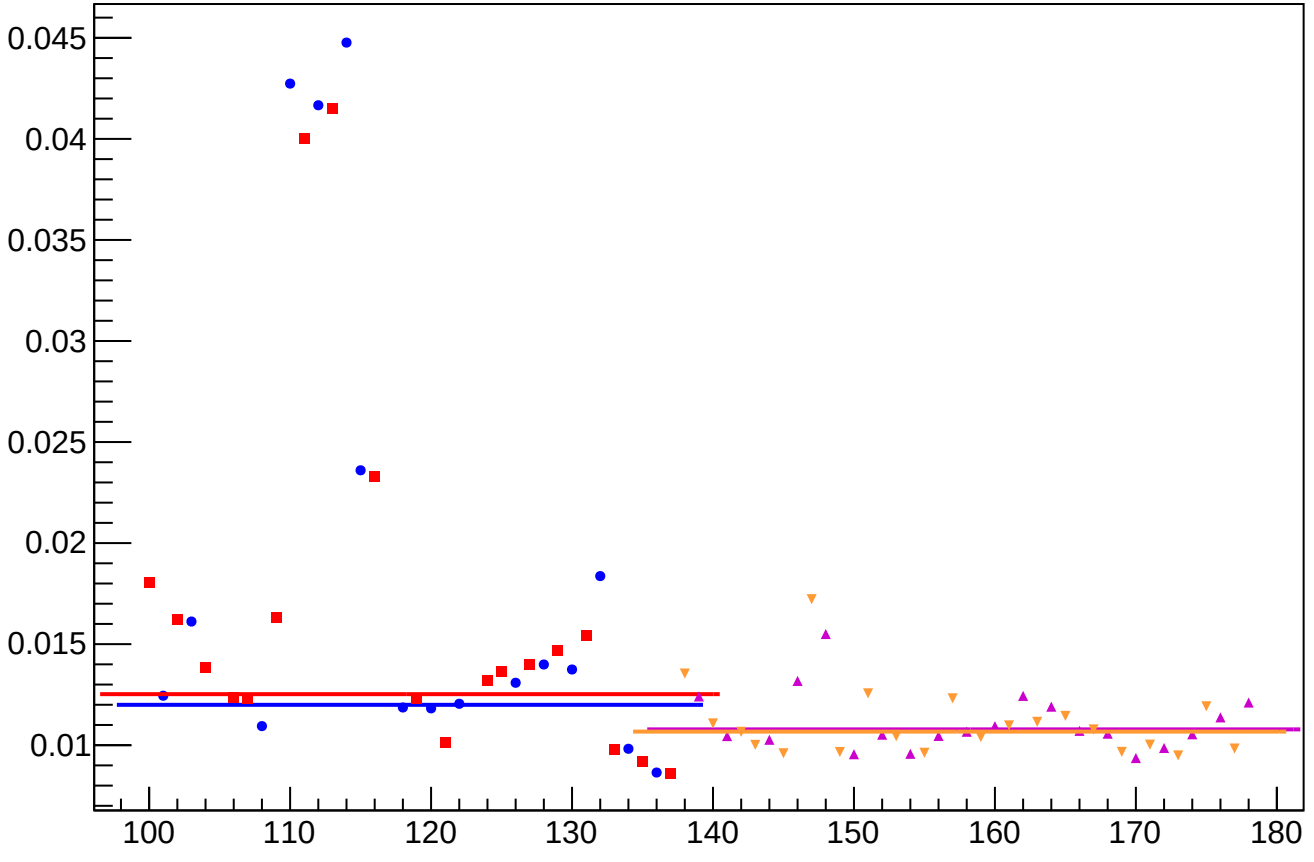
Left In: 0.291+/-0.000 χ^2/NDF:1600447.4/19

+ sign 0.344+/-0.000 χ^2/NDF: 7974977939.2/36

All: 0.348+/-0.000 χ^2/NDF: 16866830720.6/7

- sign 0.351+/-0.000 χ^2/NDF: 8887027403.2/38

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:515310.1/20

Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

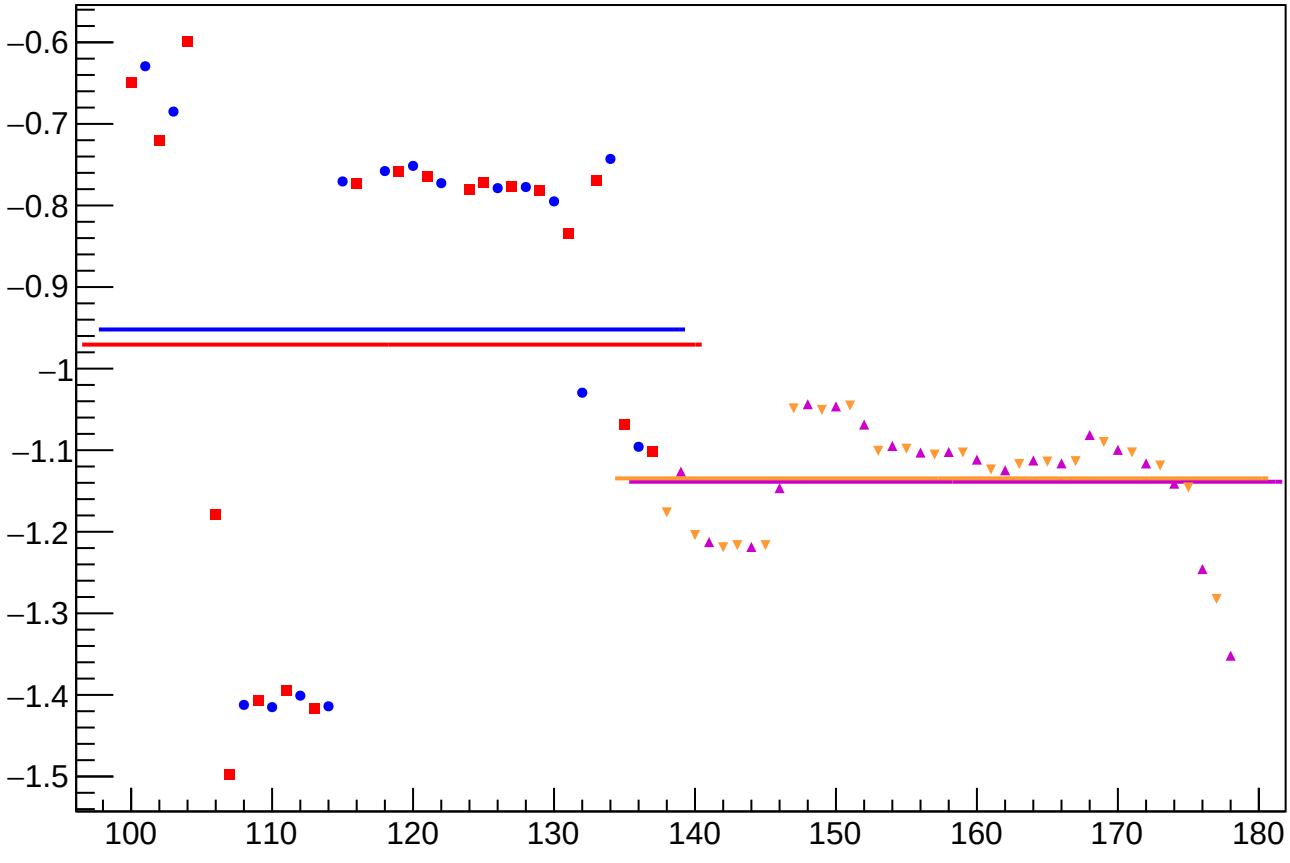
Left In: 0.011+/-0.000 χ^2/NDF:407438.6/19

+ sign 0.011+/-0.000 χ^2/NDF: 2118833.8/36

All: 0.011+/-0.000 χ^2/NDF: 4150991.0/75

- sign 0.011+/-0.000 χ^2/NDF: 2025126.6/38

yield_bpm4acX_mean vs Slug



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.135+/-0.000 χ^2/NDF:152619539.1/20

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

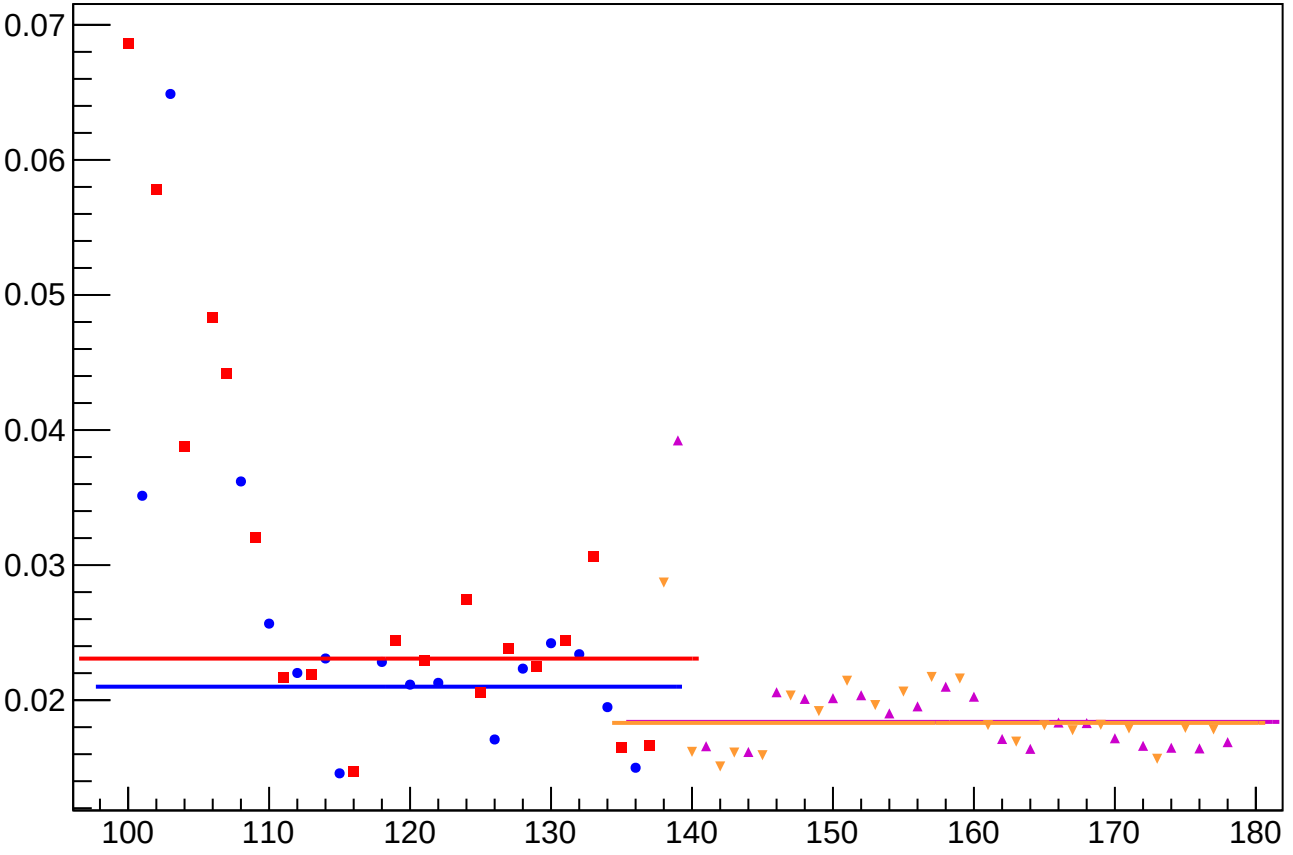
Left In: -1.139+/-0.000 χ^2/NDF:220476419.8/19

+ sign -1.092+/-0.000 χ^2/NDF: 1161914579.0/36

All: -1.097+/-0.000 χ^2/NDF: 2332047595.9/7

- sign -1.103+/-0.000 χ^2/NDF: 1167061509.3/38

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:450390.4/20

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

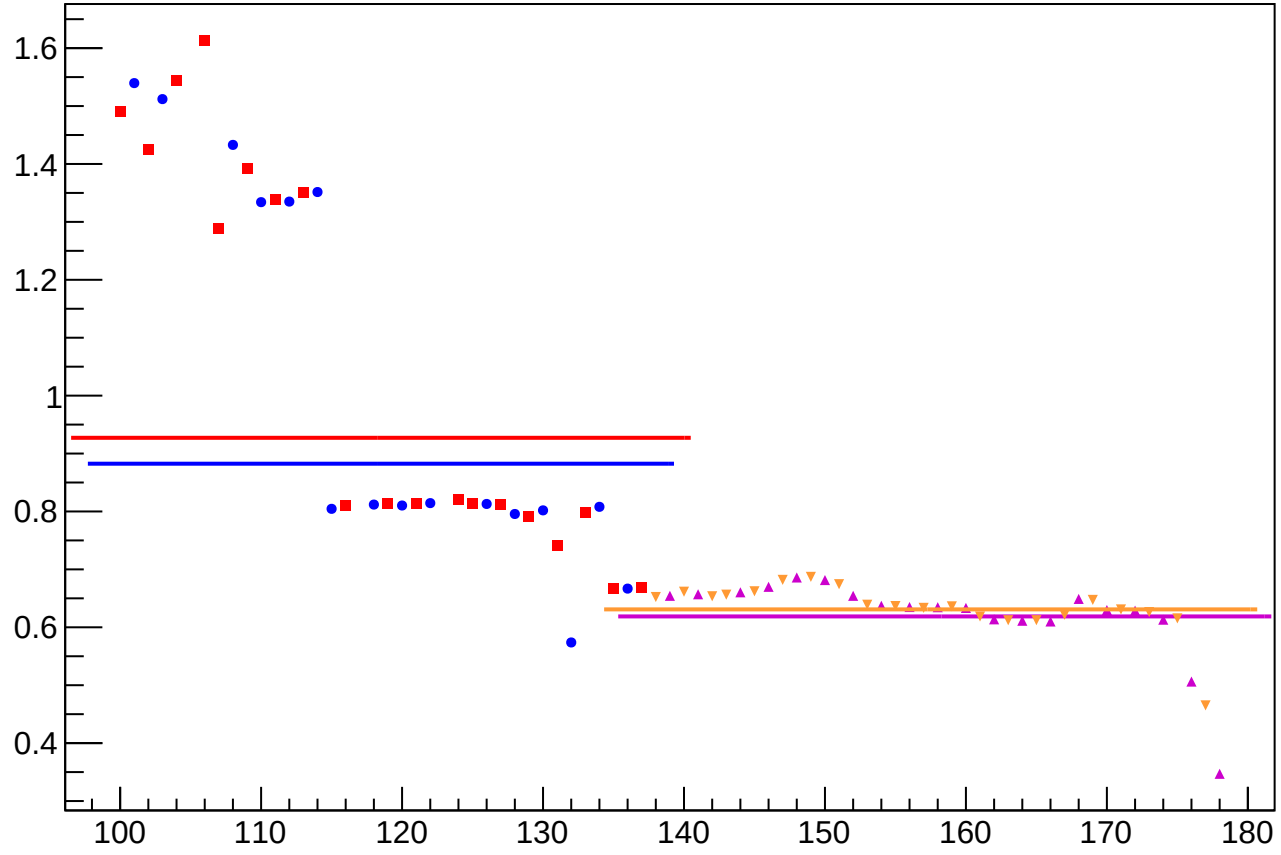
Left In: 0.018+/-0.000 χ^2/NDF:693608.0/19

+ sign 0.019+/-0.000 χ^2/NDF: 1750991.4/36

All: 0.019+/-0.000 χ^2/NDF: 4096710.5/75

- sign 0.019+/-0.000 χ^2/NDF: 2335748.4/38

yield_bpm4acY_mean vs Slug



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.631+/-0.000 χ^2/NDF:230012843.7/20

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

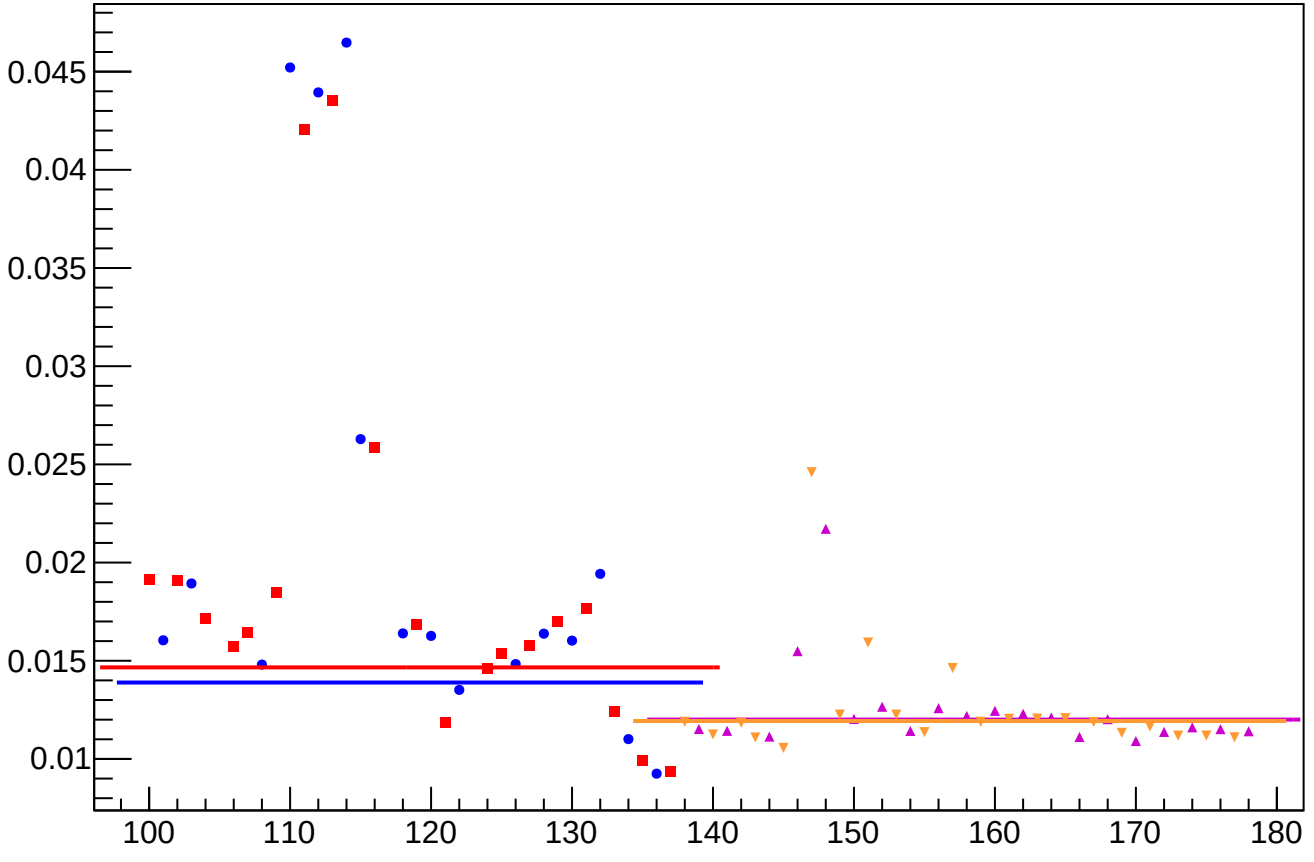
Left In: 0.619+/-0.000 χ^2/NDF:595194735.4/19

+ sign 0.685+/-0.000 χ^2/NDF: 4537397709.9/36

All: 0.684+/-0.000 χ^2/NDF: 10063286334.9/7

- sign 0.684+/-0.000 χ^2/NDF: 5525706143.9/38

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:648358.6/20

Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

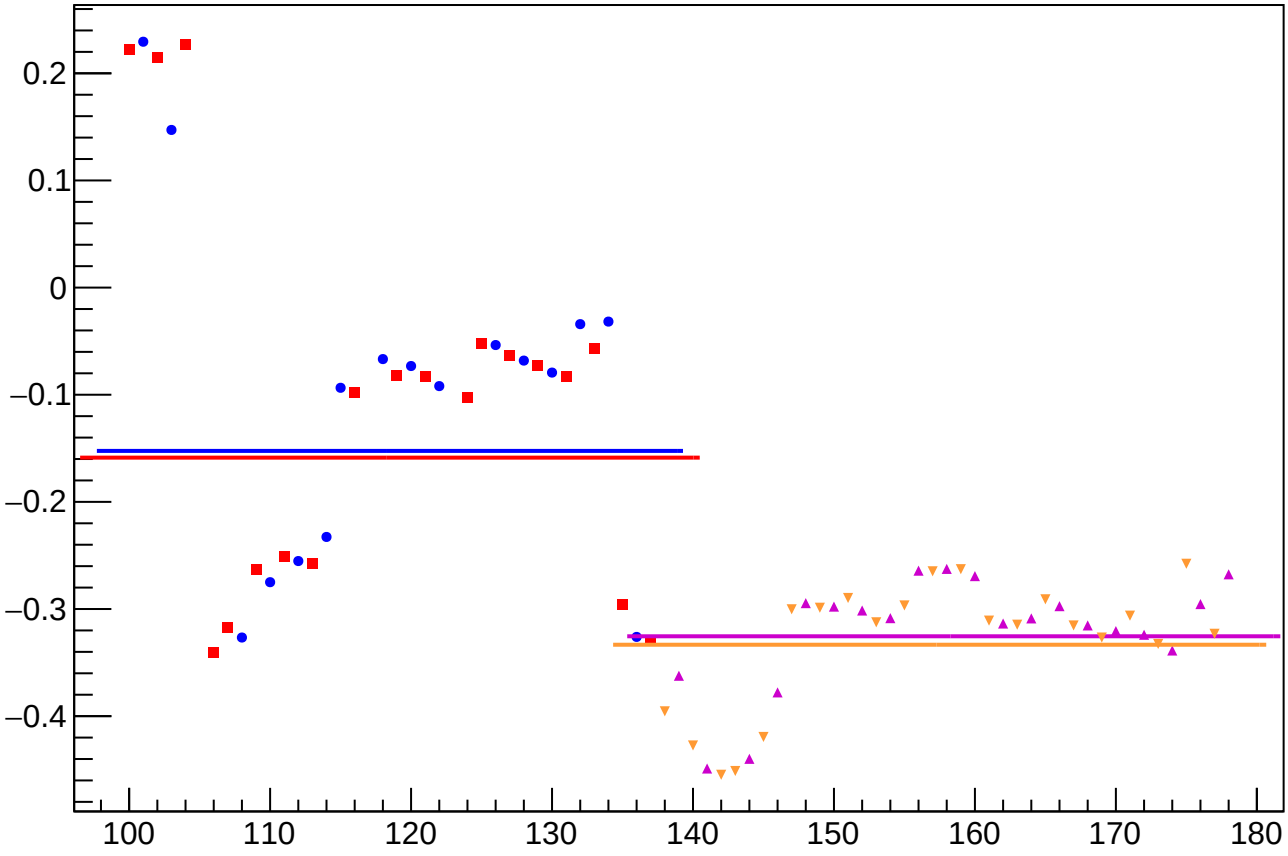
Left In: 0.012+/-0.000 χ^2/NDF:465579.1/19

+ sign 0.012+/-0.000 χ^2/NDF: 2479831.1/36

All: 0.012+/-0.000 χ^2/NDF: 4740614.4/75

- sign 0.013+/-0.000 χ^2/NDF: 2254780.9/38

yield_bpm4ecX_mean vs Slug



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.333+/-0.000 χ^2/NDF:136569588.3/20

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

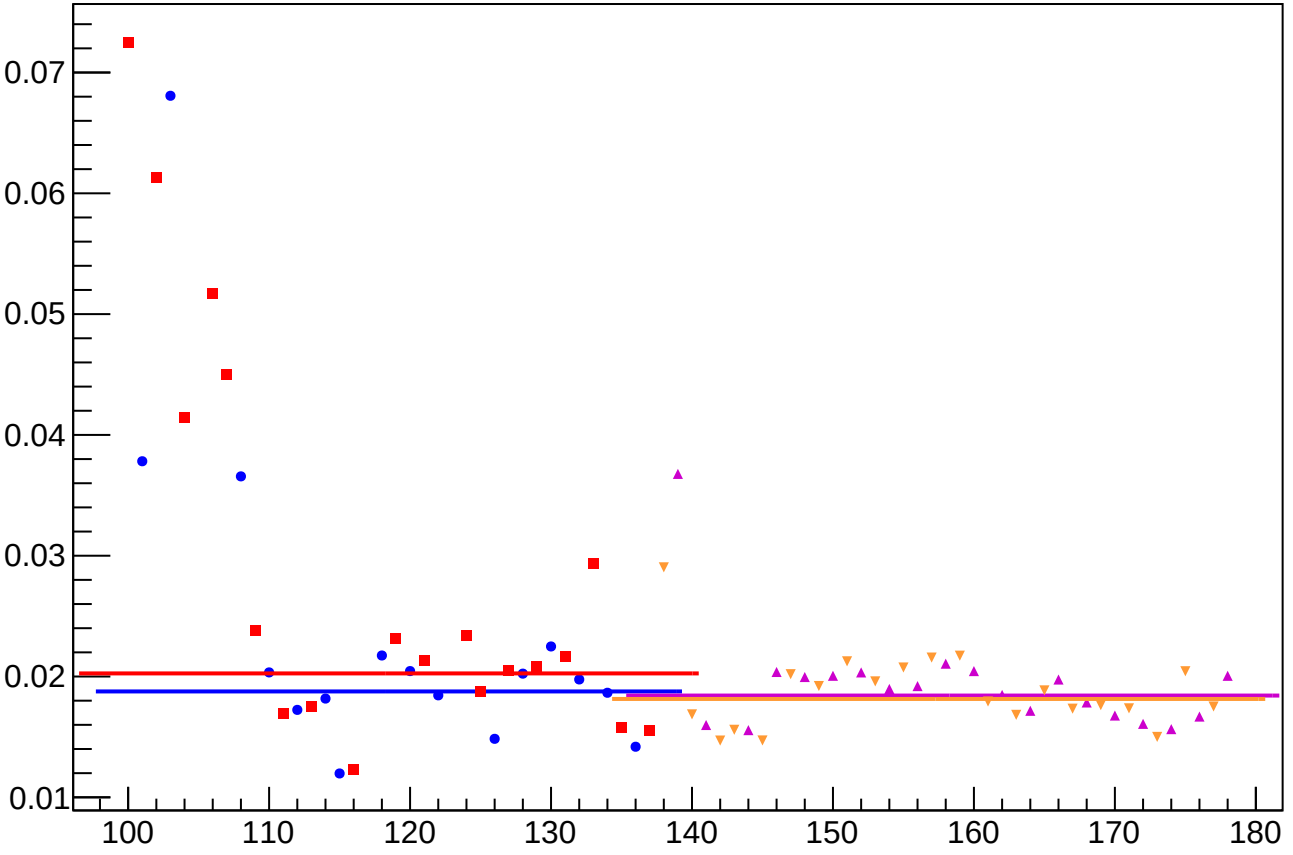
Left In: -0.325+/-0.000 χ^2/NDF:111451856.4/19

+ sign -0.285+/-0.000 χ^2/NDF: 769304887.0/36

All: -0.284+/-0.000 χ^2/NDF: 1350800804.9/7

- sign -0.283+/-0.000 χ^2/NDF: 581405410.2/38

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:567774.1/20

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

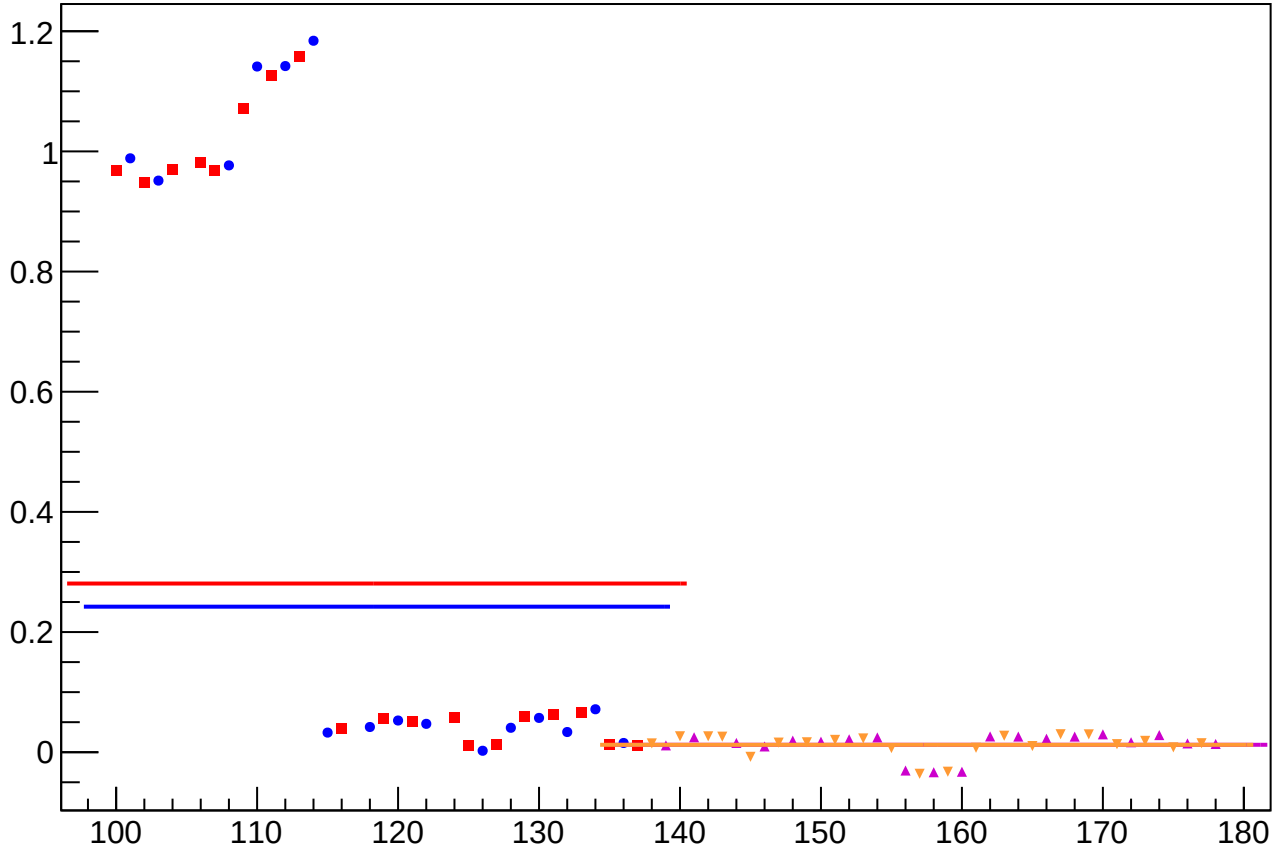
Left In: 0.018+/-0.000 χ^2/NDF:692969.3/19

+ sign 0.018+/-0.000 χ^2/NDF: 1925665.9/36

All: 0.019+/-0.000 χ^2/NDF: 4232817.3/75

- sign 0.019+/-0.000 χ^2/NDF: 2288912.7/38

yield_bpm4ecY_mean vs Slug



Right In: 0.242+/-0.000 χ^2/NDF: 6507444426.7/15

Left Out: 0.012+/-0.000 χ^2/NDF:44770613.3/20

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

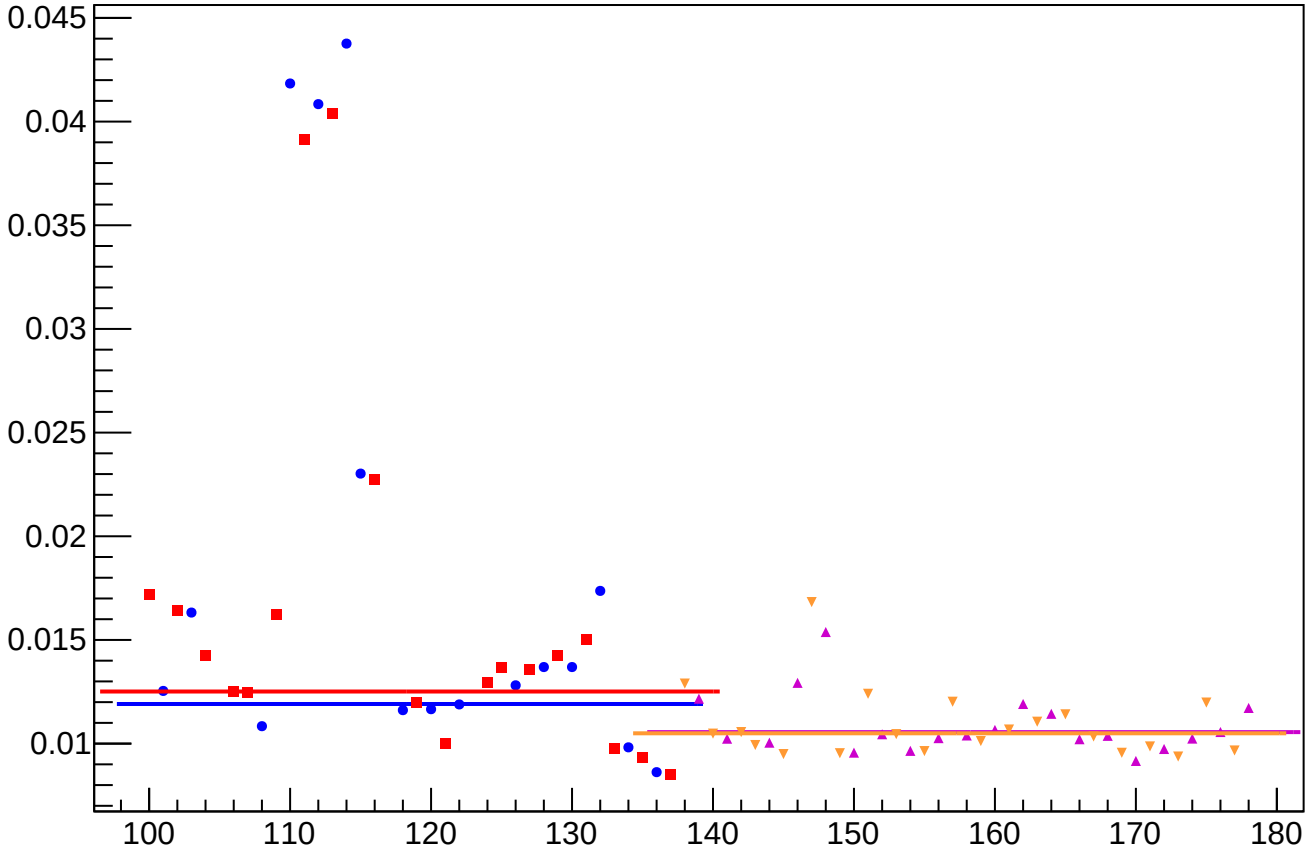
Left In: 0.012+/-0.000 χ^2/NDF:57595236.5/19

+ sign 0.065+/-0.000 χ^2/NDF: 8271253251.0/36

All: 0.068+/-0.000 χ^2/NDF: 17289865841.6/7

- sign 0.072+/-0.000 χ^2/NDF: 9014218377.0/38

yield_bpm4ecY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 1459428.8/15

Left Out: 0.010+/-0.000 χ^2/NDF:484774.2/20

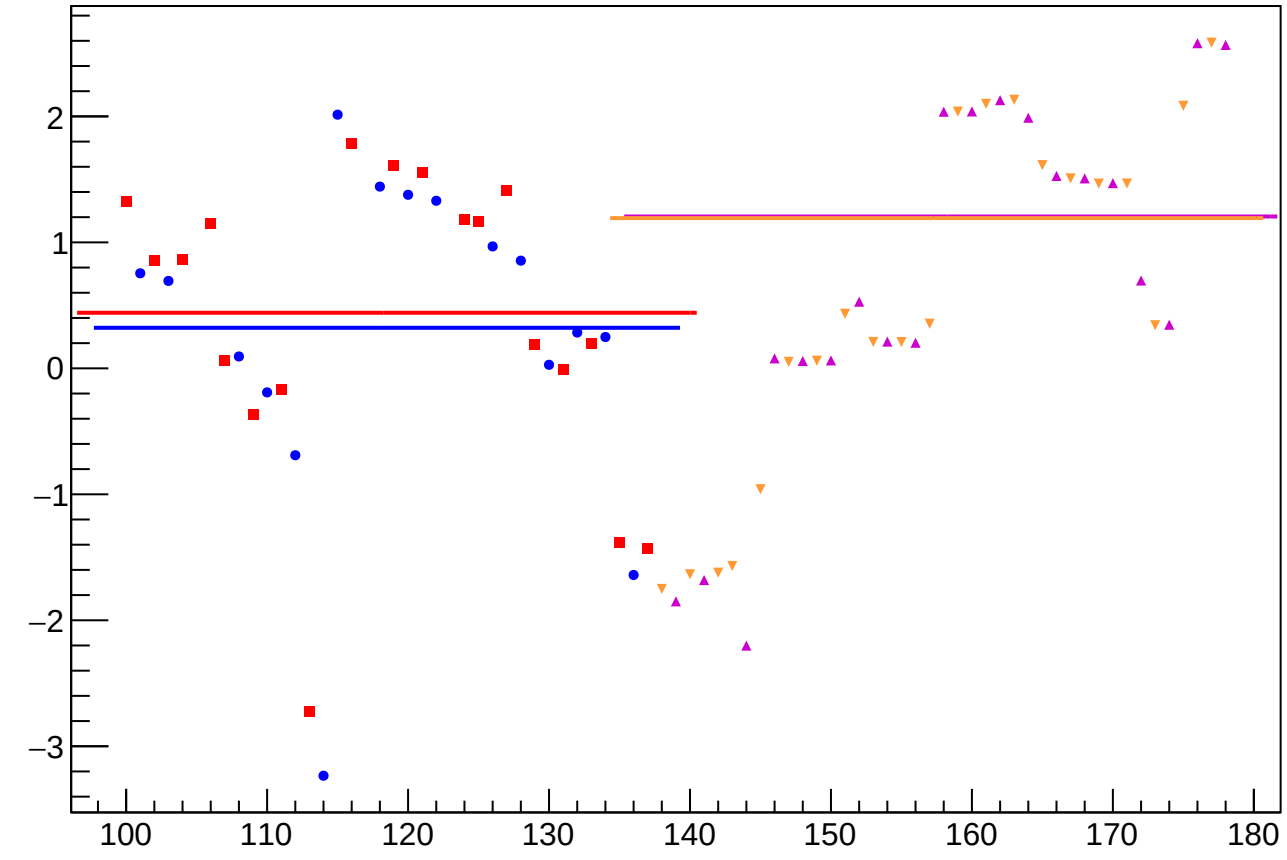
Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:374463.2/19

+ sign 0.011+/-0.000 χ^2/NDF: 2074168.6/36

All: 0.011+/-0.000 χ^2/NDF: 4080349.9/75

- sign 0.011+/-0.000 χ^2/NDF: 2001050.6/38



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: 1.193+/-0.000 χ^2/NDF:40318462255.0/20

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

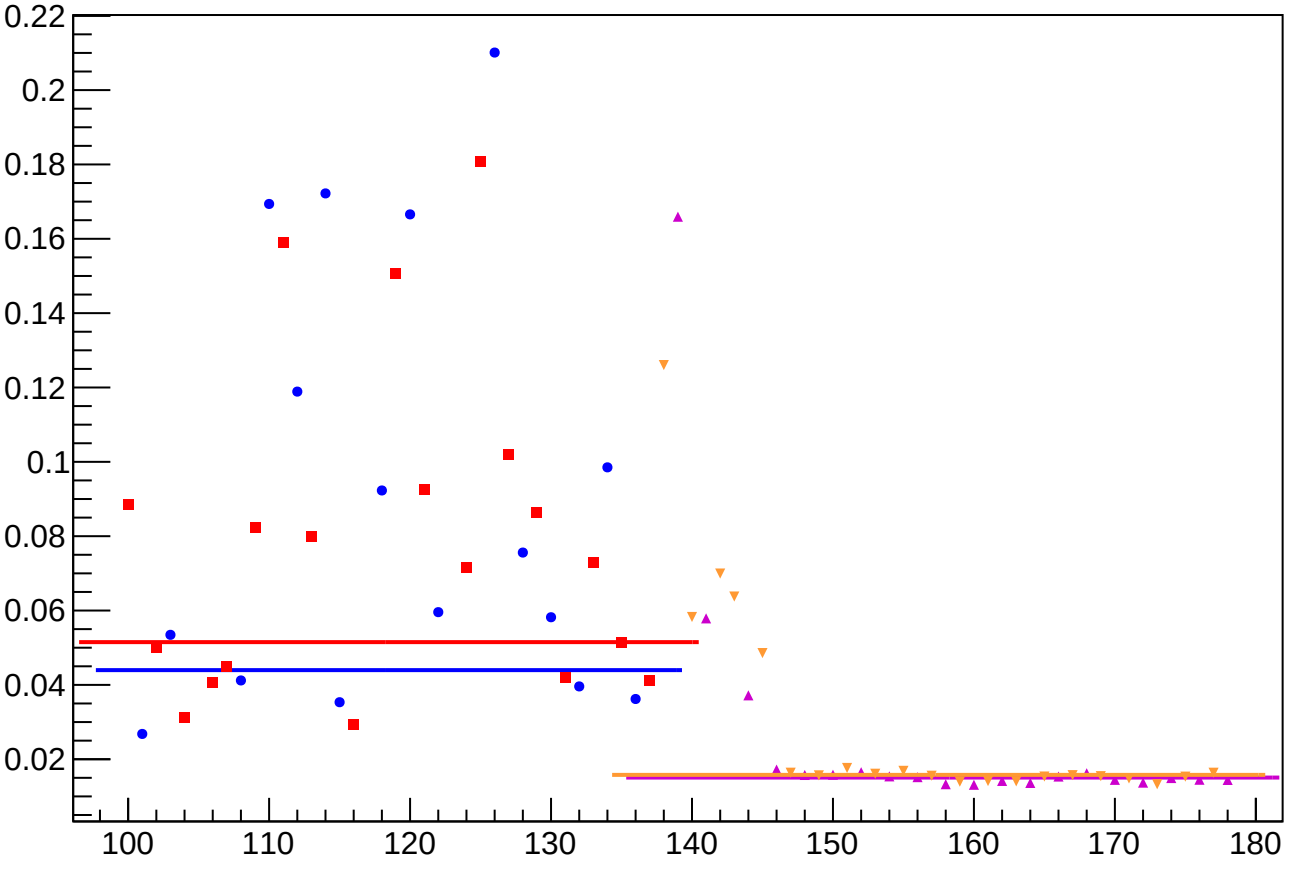
Left In: 1.205+/-0.000 χ^2/NDF:48495730687.7/19

+ sign 1.159+/-0.000 χ^2/NDF: 43429297134.5/36

All: 1.171+/-0.000 χ^2/NDF: 94670141295.2/7

- sign 1.183+/-0.000 χ^2/NDF: 51225466320.6/38

yield_bpm1X_rms vs Slug



Right In: 0.044+/-0.000 χ^2/NDF: 2787474.8/15

Left Out: 0.016+/-0.000 χ^2/NDF:2944862.1/20

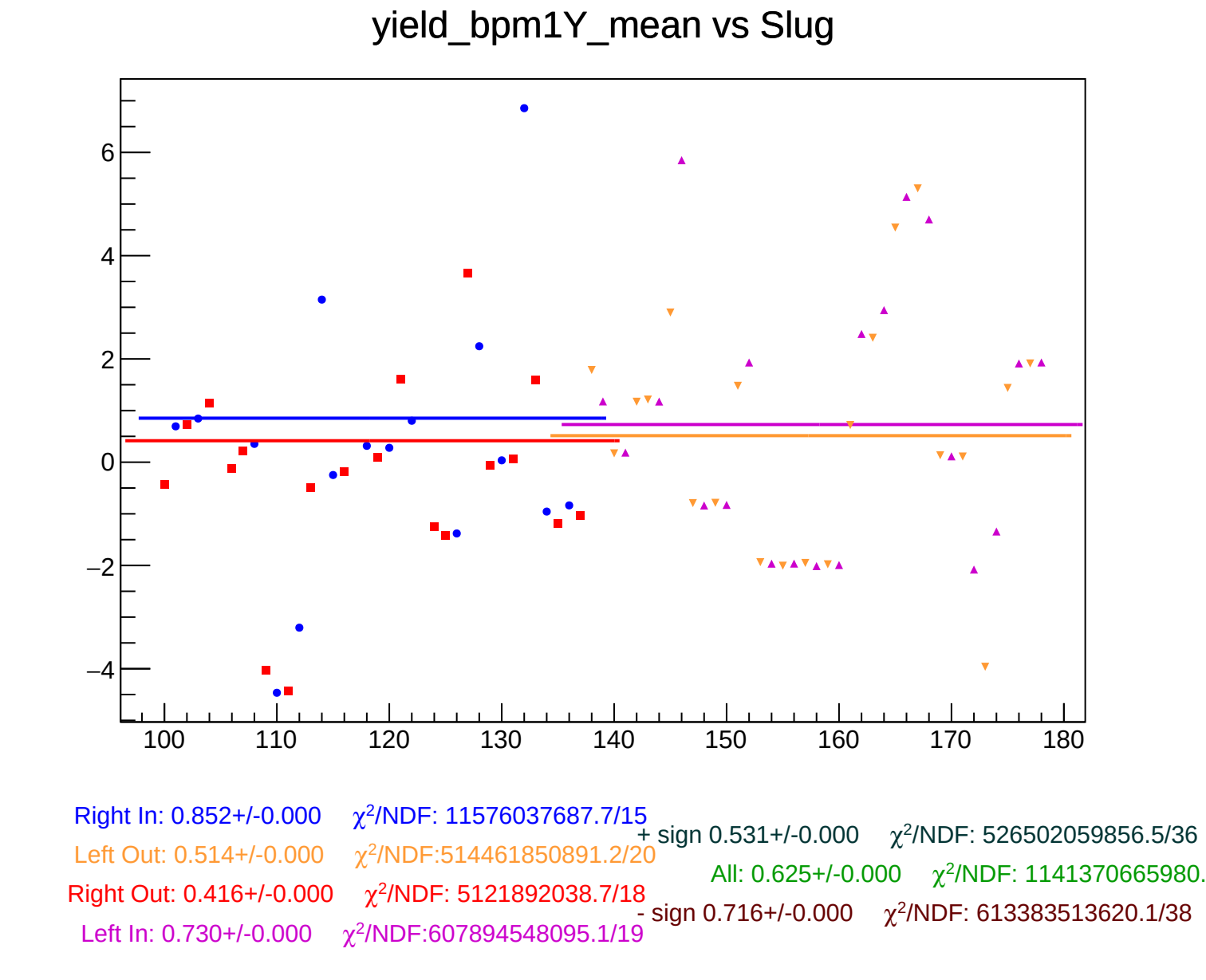
Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.015+/-0.000 χ^2/NDF:2174399.6/19

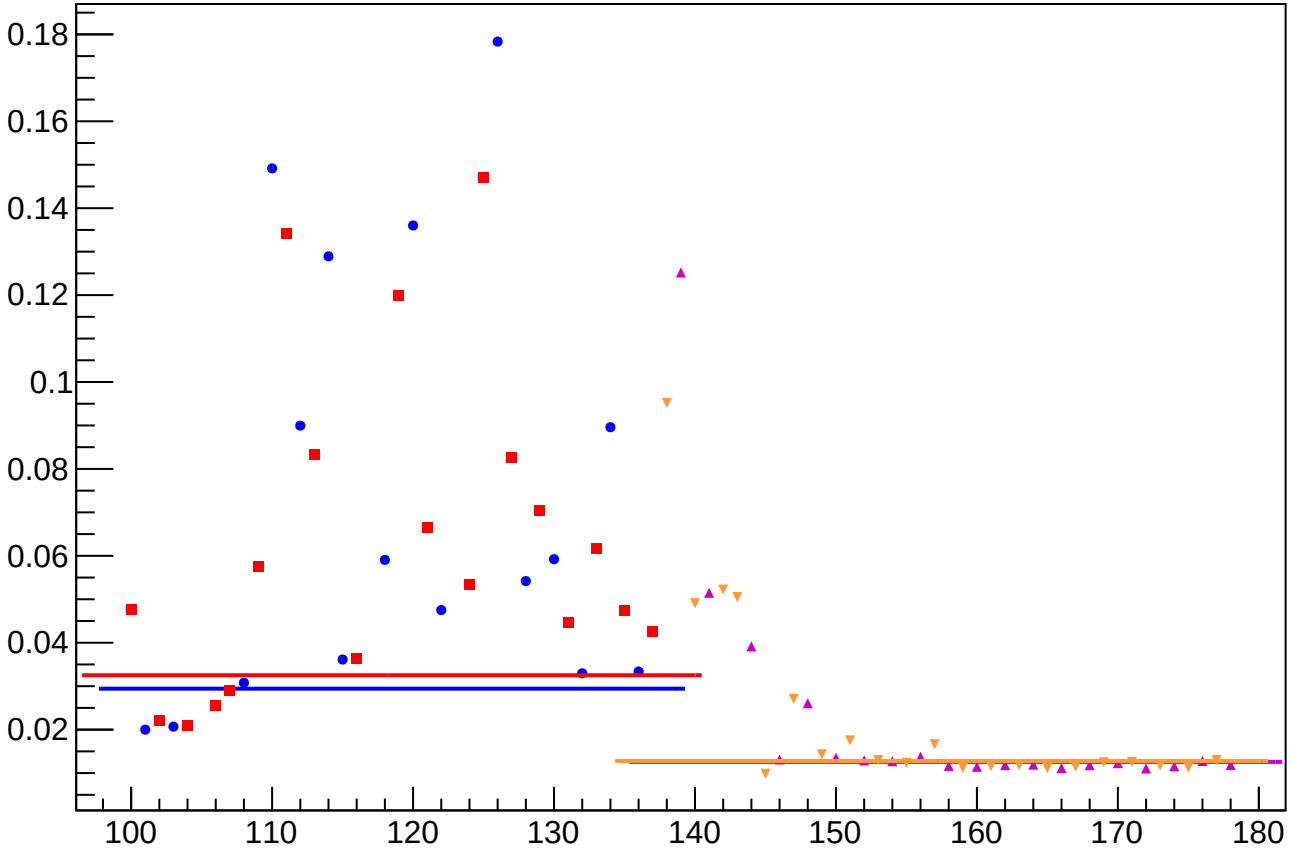
+ sign 0.017+/-0.000 χ^2/NDF: 8761597.7/36

All: 0.017+/-0.000 χ^2/NDF: 17572517.0/75

- sign 0.016+/-0.000 χ^2/NDF: 8782058.3/38


yield_bpm1Y_mean vs Slug
6
4
2
0
−2
−4
100
110
120
130
140
150
160
170
180
Right In: 0.852+/-0.000 χ²/NDF: 11576037687.7/15
Left Out: 0.514+/-0.000 χ²/NDF:514461850891.2/20
Right Out: 0.416+/-0.000 χ²/NDF: 5121892038.7/18
Left In: 0.730+/-0.000 χ²/NDF:607894548095.1/19
+ sign 0.531+/-0.000 χ²/NDF: 526502059856.5/36
All: 0.625+/-0.000 χ²/NDF: 1141370665980.
- sign 0.716+/-0.000 χ²/NDF: 613383513620.1/38

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF: 3192424.8/15

Left Out: 0.013+/-0.000 χ^2/NDF:3162164.9/20

Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

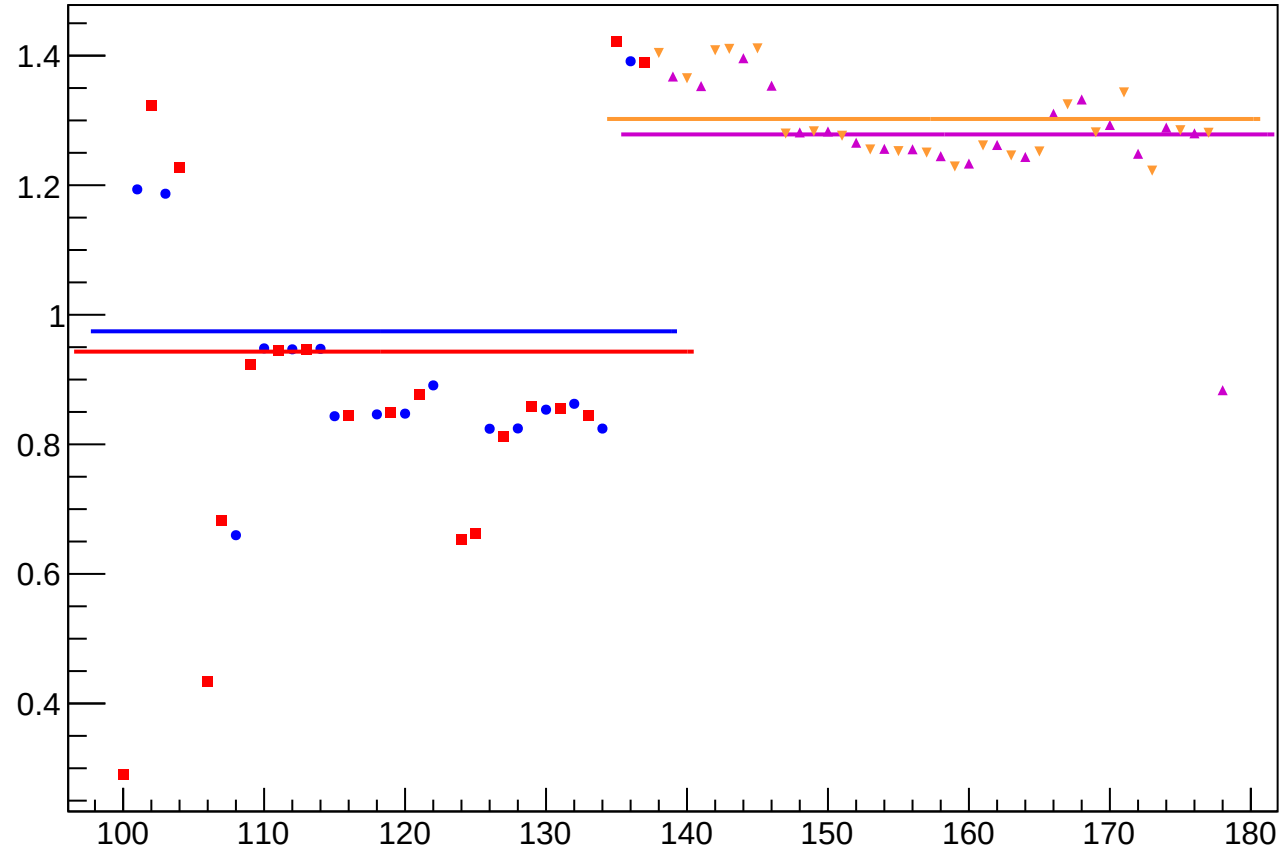
Left In: 0.013+/-0.000 χ^2/NDF:2739942.8/19

+ sign 0.014+/-0.000 χ^2/NDF: 8593383.0/36

All: 0.014+/-0.000 χ^2/NDF: 17617910.7/75

- sign 0.013+/-0.000 χ^2/NDF: 9021802.2/38

yield_bpm11X_mean vs Slug



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.302+/-0.000 χ^2/NDF:300024574.0/20

Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

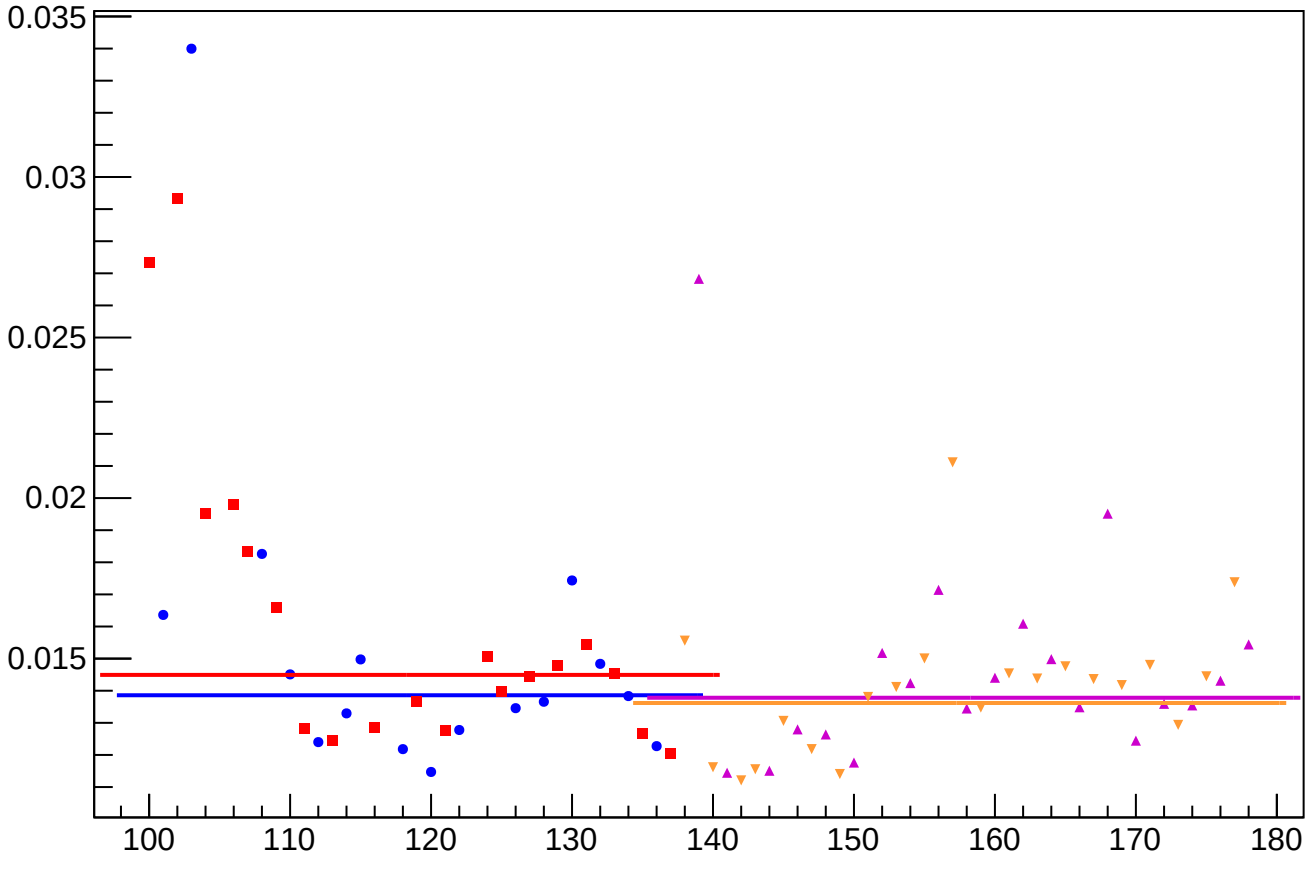
Left In: 1.278+/-0.000 χ^2/NDF:662794639.4/19

+ sign 1.206+/-0.000 χ^2/NDF: 4216582089.8/36

All: 1.194+/-0.000 χ^2/NDF: 9027180602.9/75

- sign 1.182+/-0.000 χ^2/NDF: 4779208348.8/38

yield_bpm11X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 599979.5/15

Left Out: 0.014+/-0.000 χ^2/NDF:504917.0/20

Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

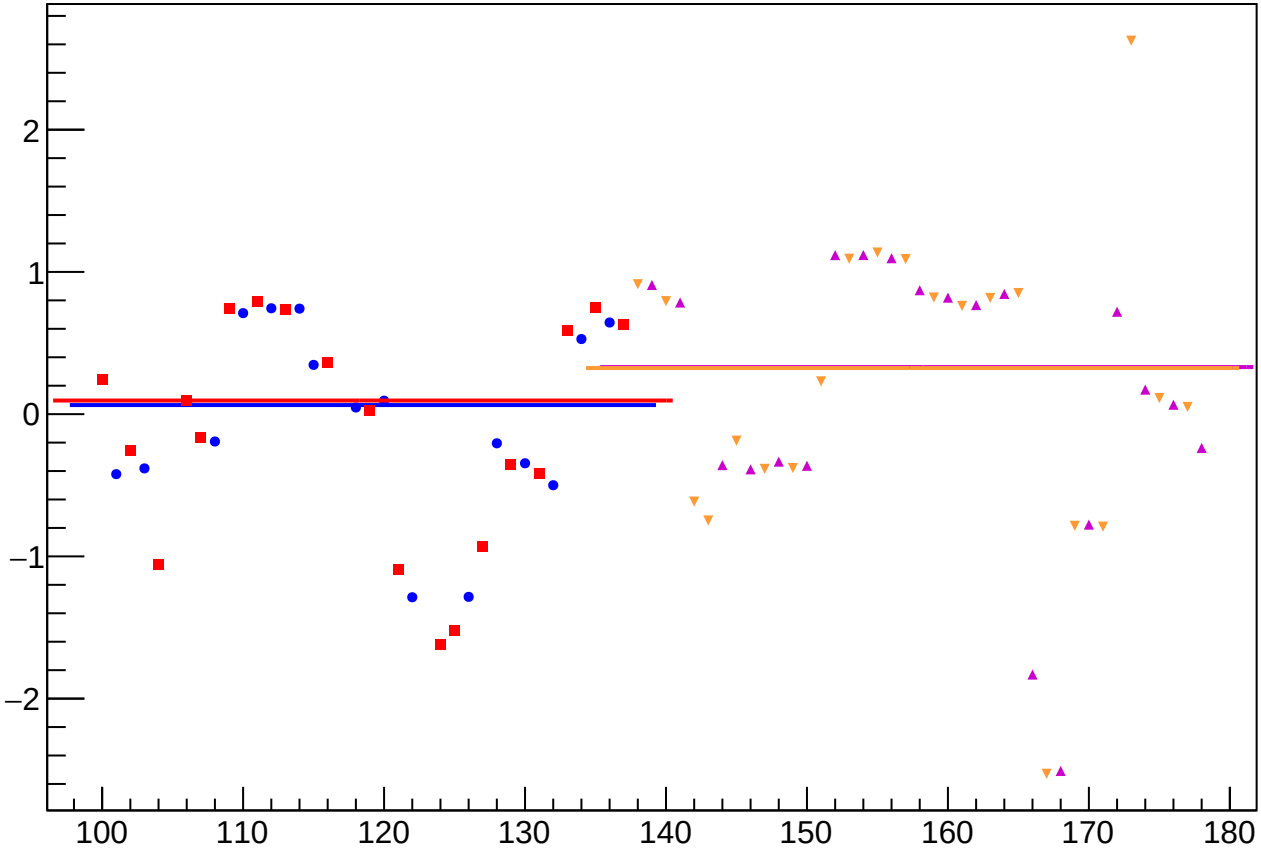
Left In: 0.014+/-0.000 χ^2/NDF:862336.0/19

+ sign 0.014+/-0.000 χ^2/NDF: 1107555.0/36

All: 0.014+/-0.000 χ^2/NDF: 2545823.5/75

- sign 0.014+/-0.000 χ^2/NDF: 1428713.1/38

yield_bpm11Y_mean vs Slug



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.324+/-0.000 χ^2/NDF:100490687130.6/20

Right Out: 0.096+/-0.000 χ^2/NDF: 17784850774.3/18

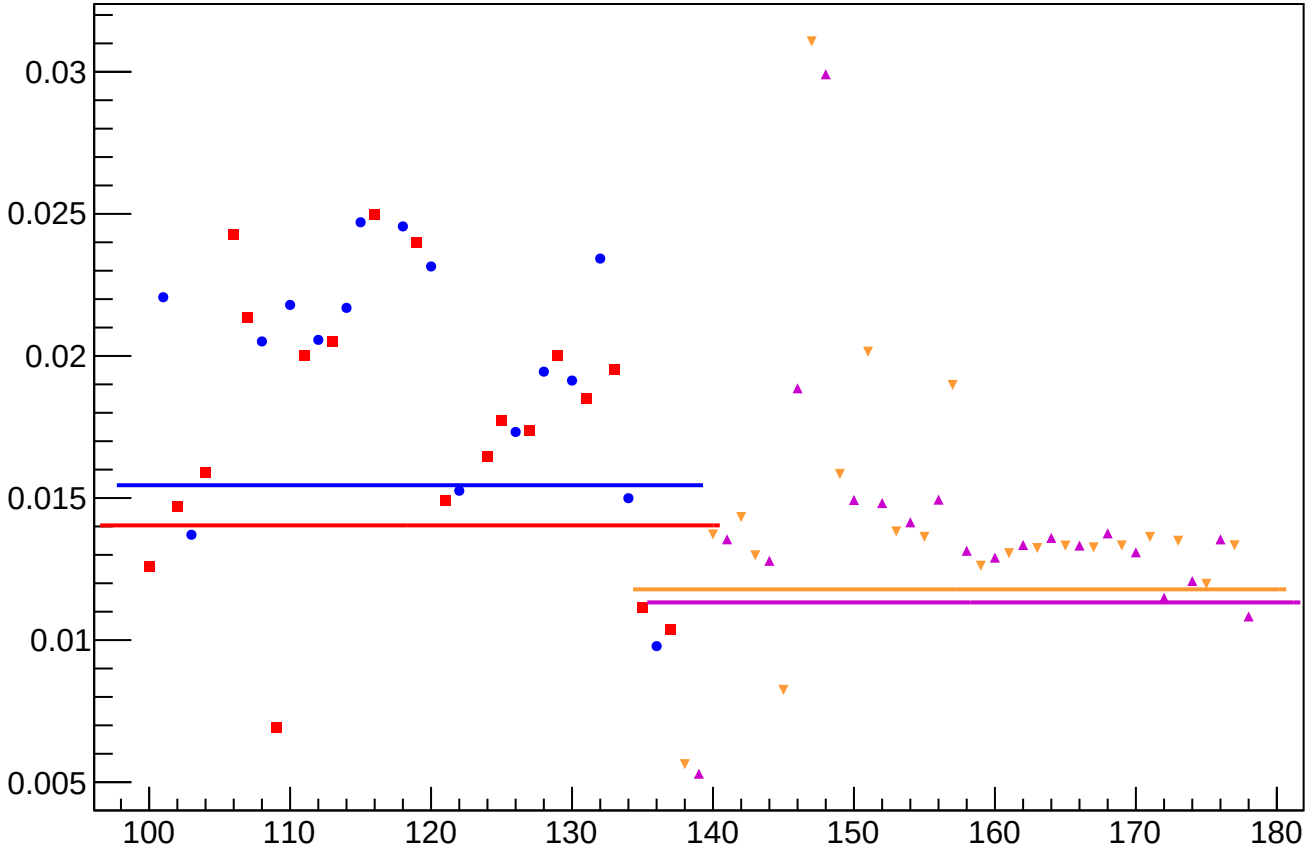
Left In: 0.331+/-0.000 χ^2/NDF:86623506025.0/19

+ sign 0.273+/-0.000 χ^2/NDF: 112894427936.7/36

All: 0.276+/-0.000 χ^2/NDF: 218594259341.7

- sign 0.279+/-0.000 χ^2/NDF: 105696805232.0/38

yield_bpm11Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 1293711.1/15

Left Out: 0.012+/-0.000 χ^2/NDF:3222251.1/20

Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

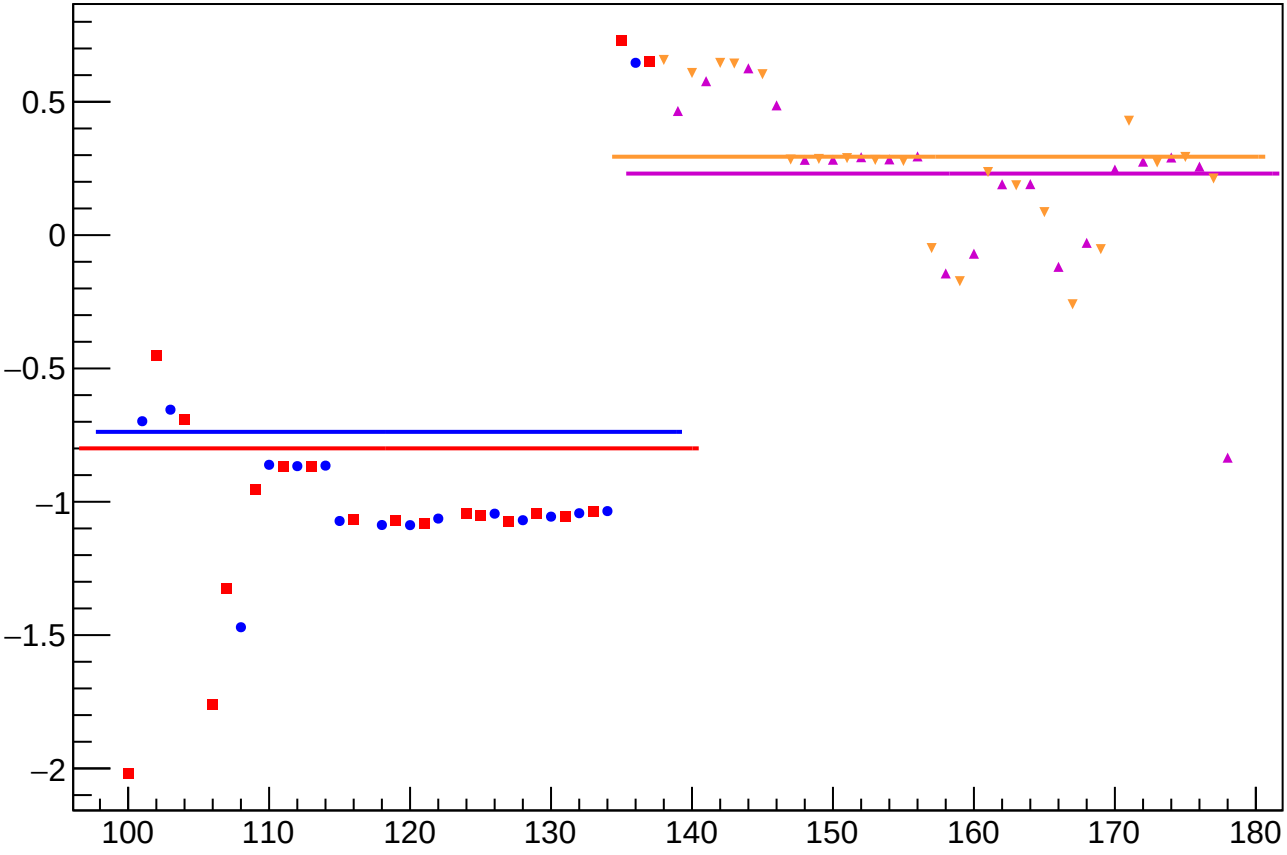
Left In: 0.011+/-0.000 χ^2/NDF:3612713.2/19

+ sign 0.013+/-0.000 χ^2/NDF: 5058123.6/36

All: 0.012+/-0.000 χ^2/NDF: 10746038.3/75

- sign 0.012+/-0.000 χ^2/NDF: 5641913.8/38

yield_bpm12X_mean vs Slug



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.294+/-0.000 χ^2/NDF:750015630.4/20

Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

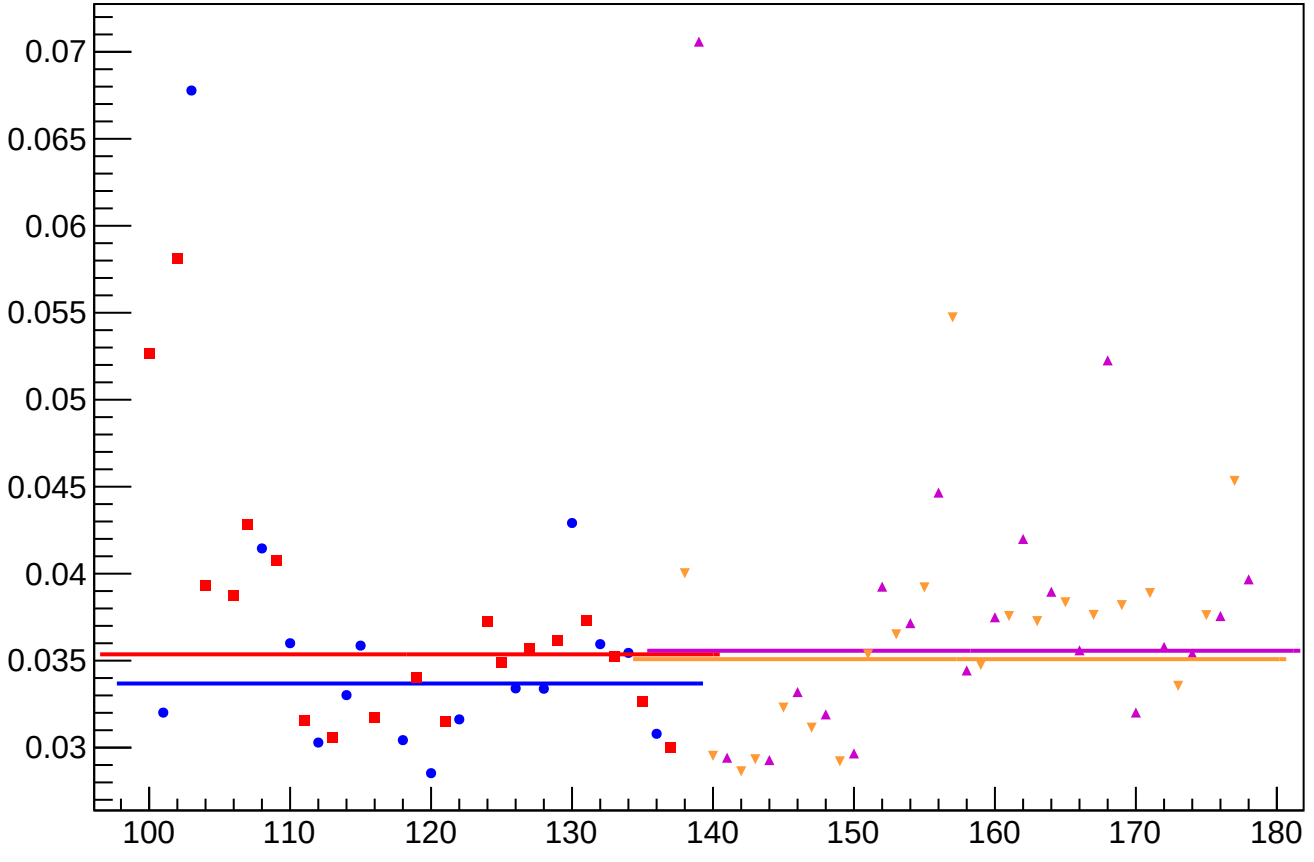
Left In: 0.231+/-0.000 χ^2/NDF:1049282119.8/19

+ sign -0.039+/-0.000 χ^2/NDF: 6827828229.8/36

All: -0.066+/-0.000 χ^2/NDF: 13548604318.6/

- sign -0.094+/-0.000 χ^2/NDF: 6695779810.8/38

yield_bpm12X_rms vs Slug



Right In: 0.034+/-0.000 χ^2/NDF: 420227.2/15

Left Out: 0.035+/-0.000 χ^2/NDF:568031.9/20

Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

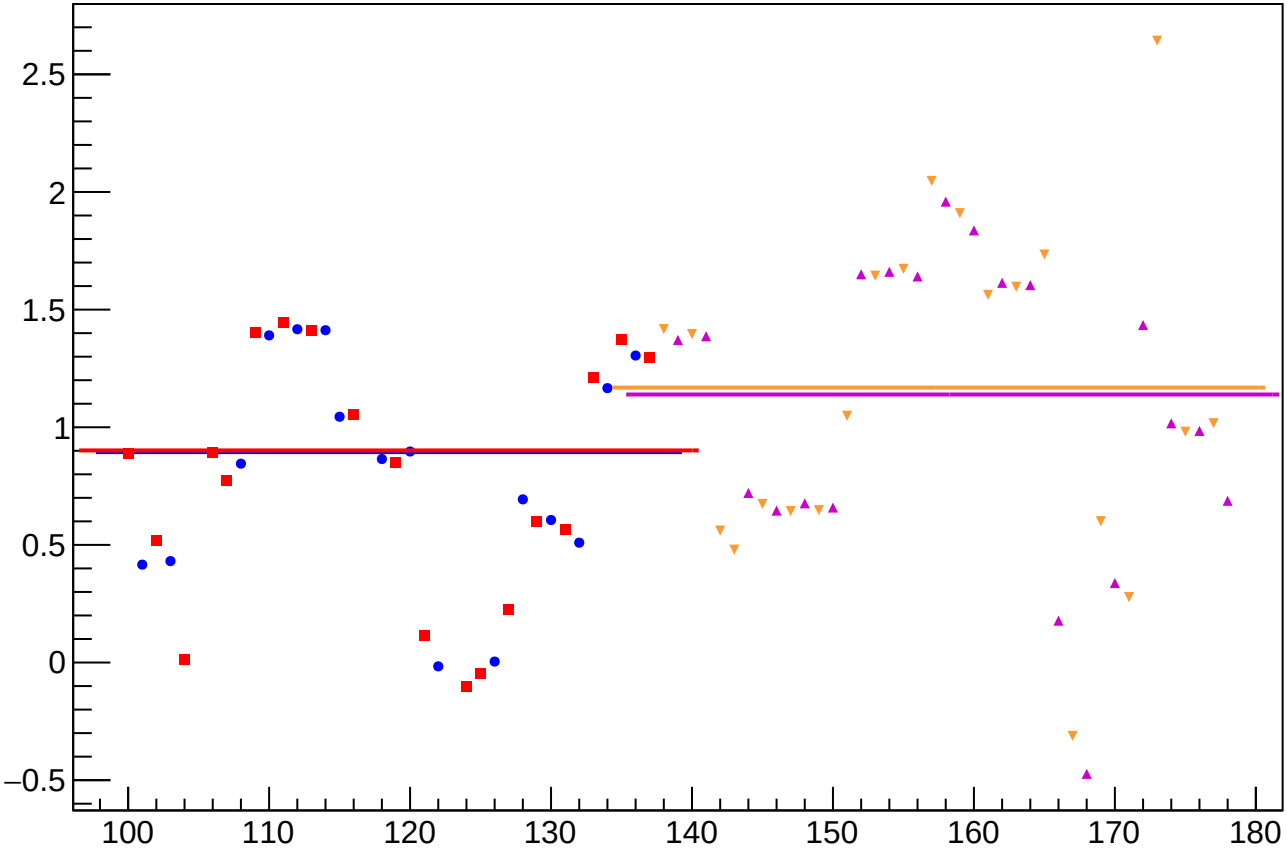
Left In: 0.036+/-0.000 χ^2/NDF:949743.6/19

+ sign 0.035+/-0.000 χ^2/NDF: 1003021.3/36

All: 0.035+/-0.000 χ^2/NDF: 2262140.1/75

- sign 0.036+/-0.000 χ^2/NDF: 1246399.8/38

yield_bpm12Y_mean vs Slug



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 1.169+/-0.000 χ^2/NDF:85985129170.1/20

Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

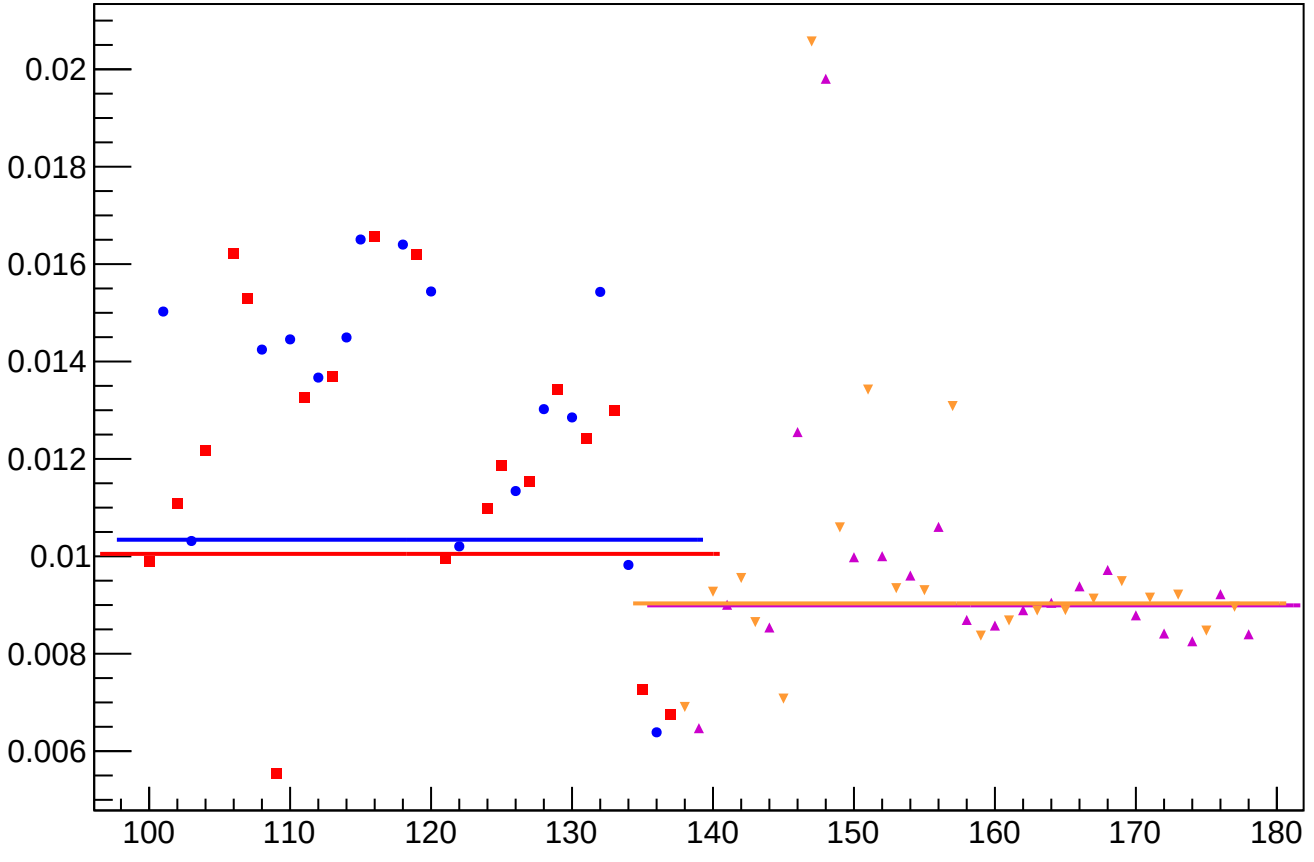
Left In: 1.139+/-0.000 χ^2/NDF:68563501970.8/19

+ sign 1.106+/-0.000 χ^2/NDF: 101975275856.9/36

All: 1.094+/-0.000 χ^2/NDF: 191080387600.3

- sign 1.081+/-0.000 χ^2/NDF: 89027987363.9/38

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:1135611.5/20

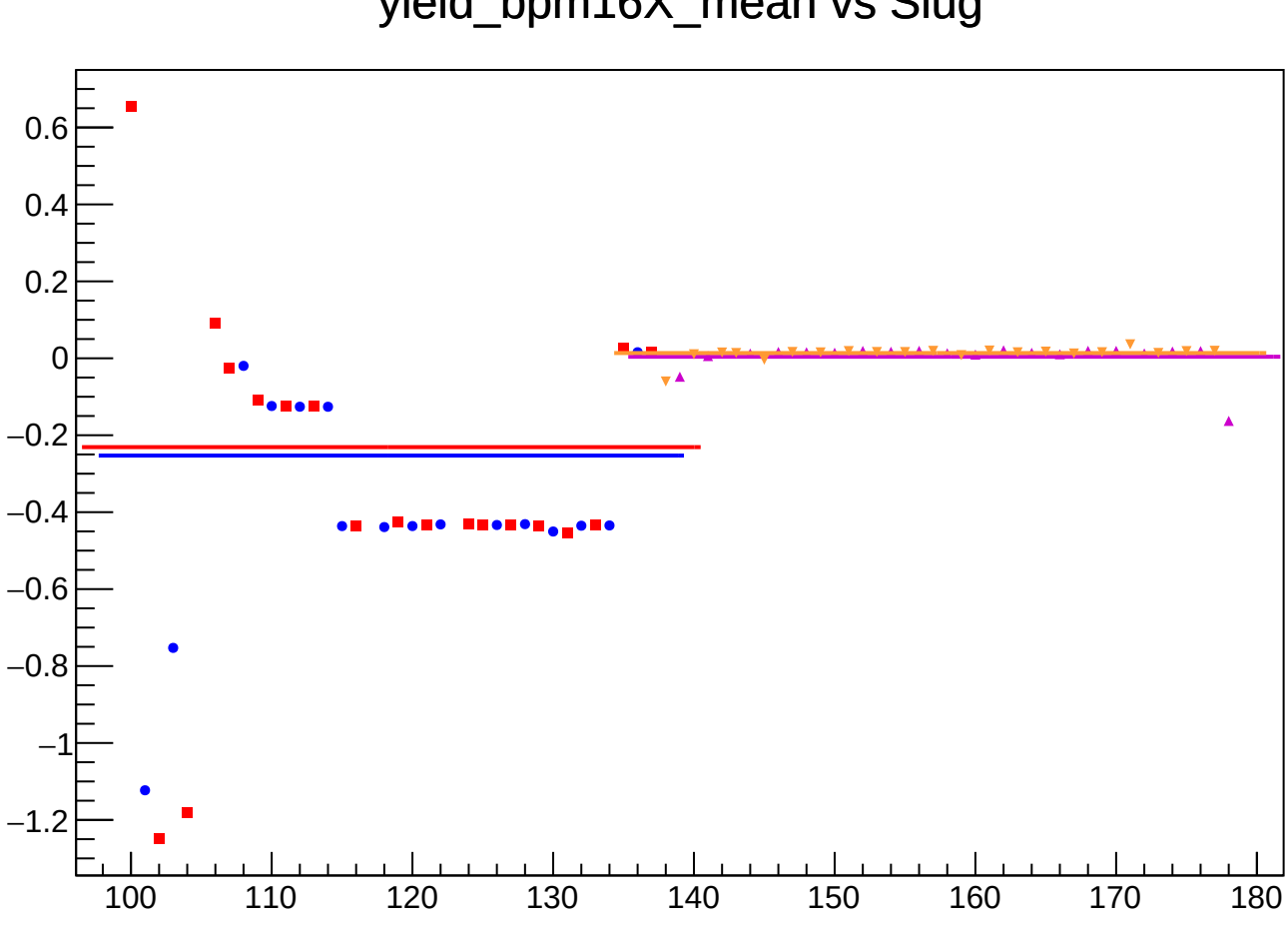
Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

Left In: 0.009+/-0.000 χ^2/NDF:960498.5/19

+ sign 0.009+/-0.000 χ^2/NDF: 2633306.1/36

All: 0.009+/-0.000 χ^2/NDF: 5033920.5/75

- sign 0.009+/-0.000 χ^2/NDF: 2399072.3/38



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

Left Out: 0.014+/-0.000 χ^2/NDF:27876073.9/20

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

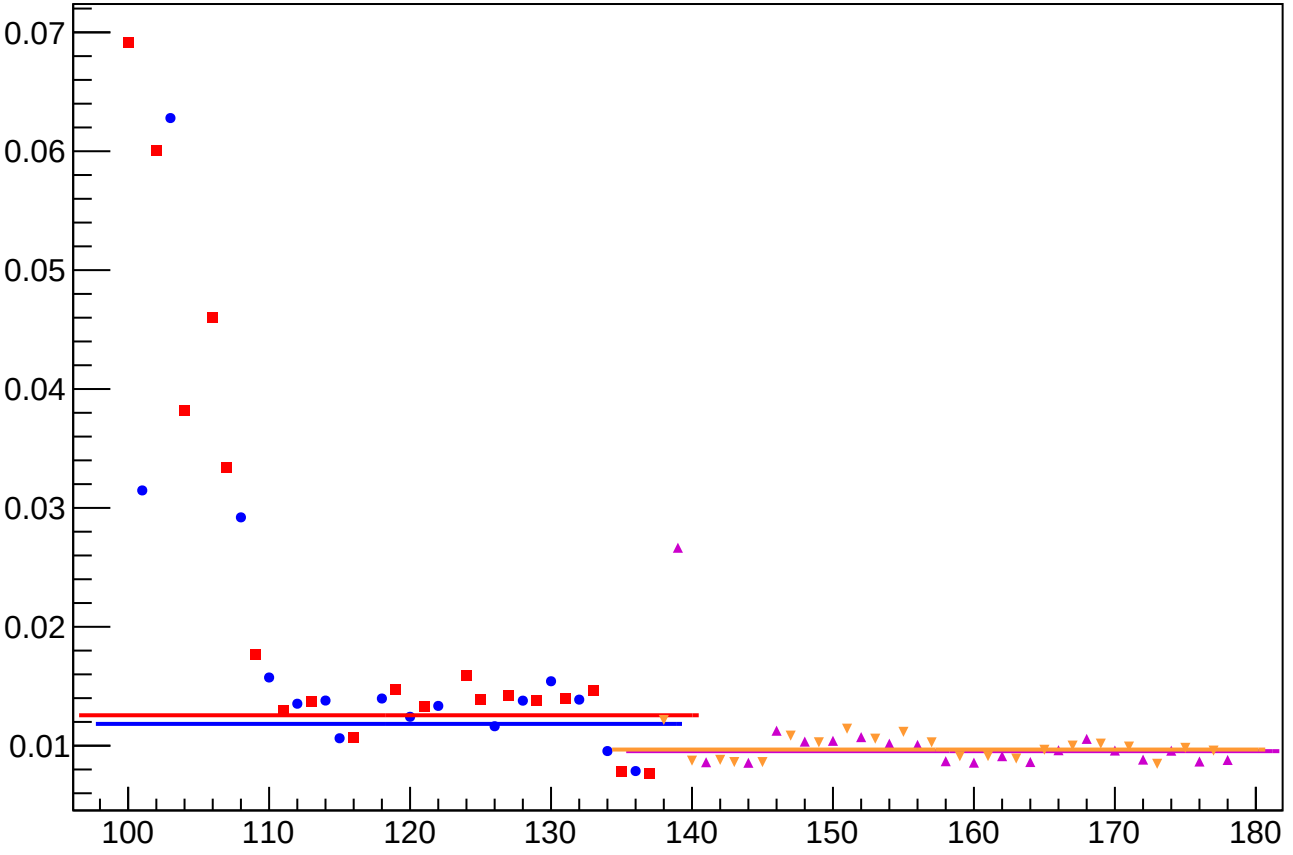
Left In: 0.004+/-0.000 χ^2/NDF:269604998.6/19

+ sign -0.038+/-0.000 χ^2/NDF: 4092025122.4/36

All: -0.037+/-0.000 χ^2/NDF: 7614160595.9/7

- sign -0.037+/-0.000 χ^2/NDF: 3522133463.2/38

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:254370.5/20

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

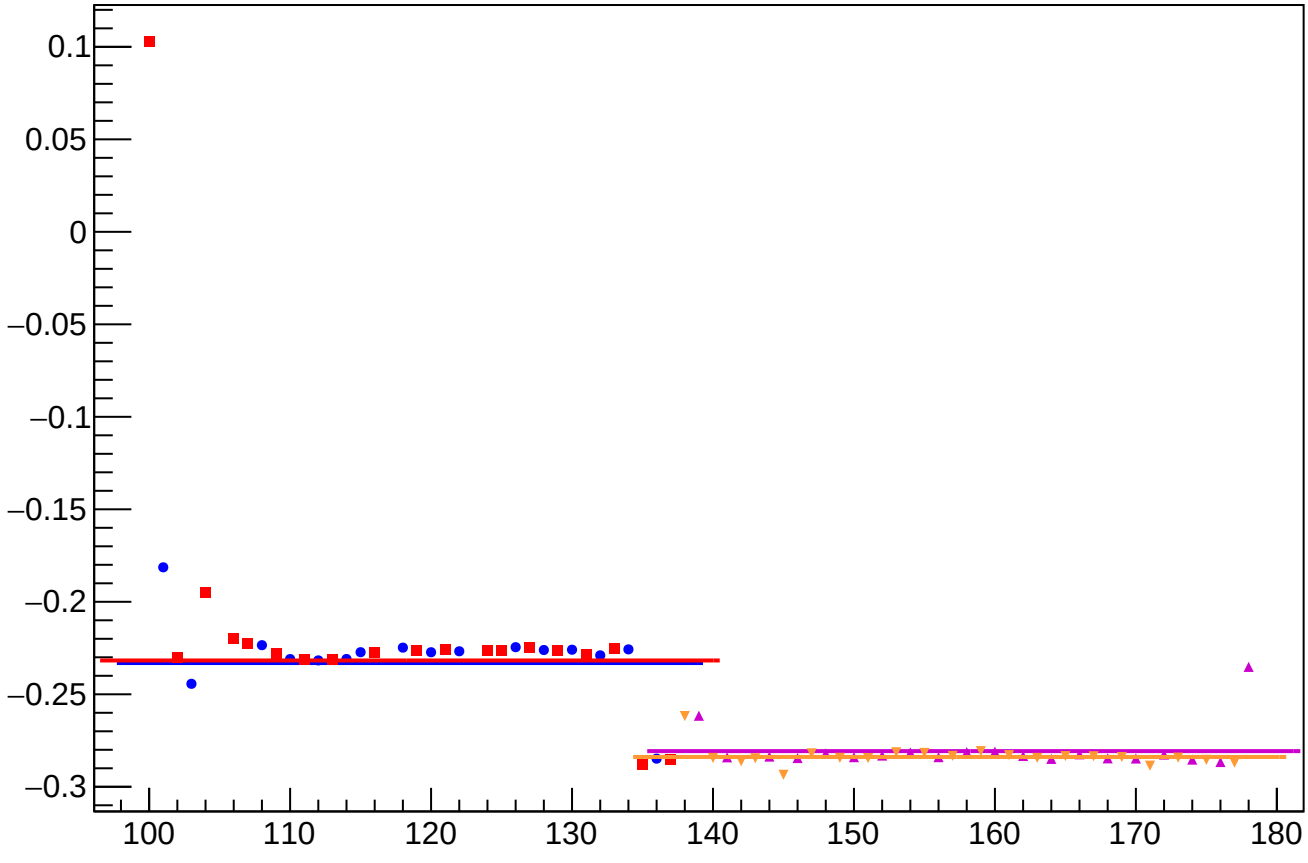
Left In: 0.010+/-0.000 χ^2/NDF:892152.2/19

+ sign 0.010+/-0.000 χ^2/NDF: 2464094.0/36

All: 0.010+/-0.000 χ^2/NDF: 6050488.1/75

- sign 0.010+/-0.000 χ^2/NDF: 3586335.9/38

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:16220706.5/20

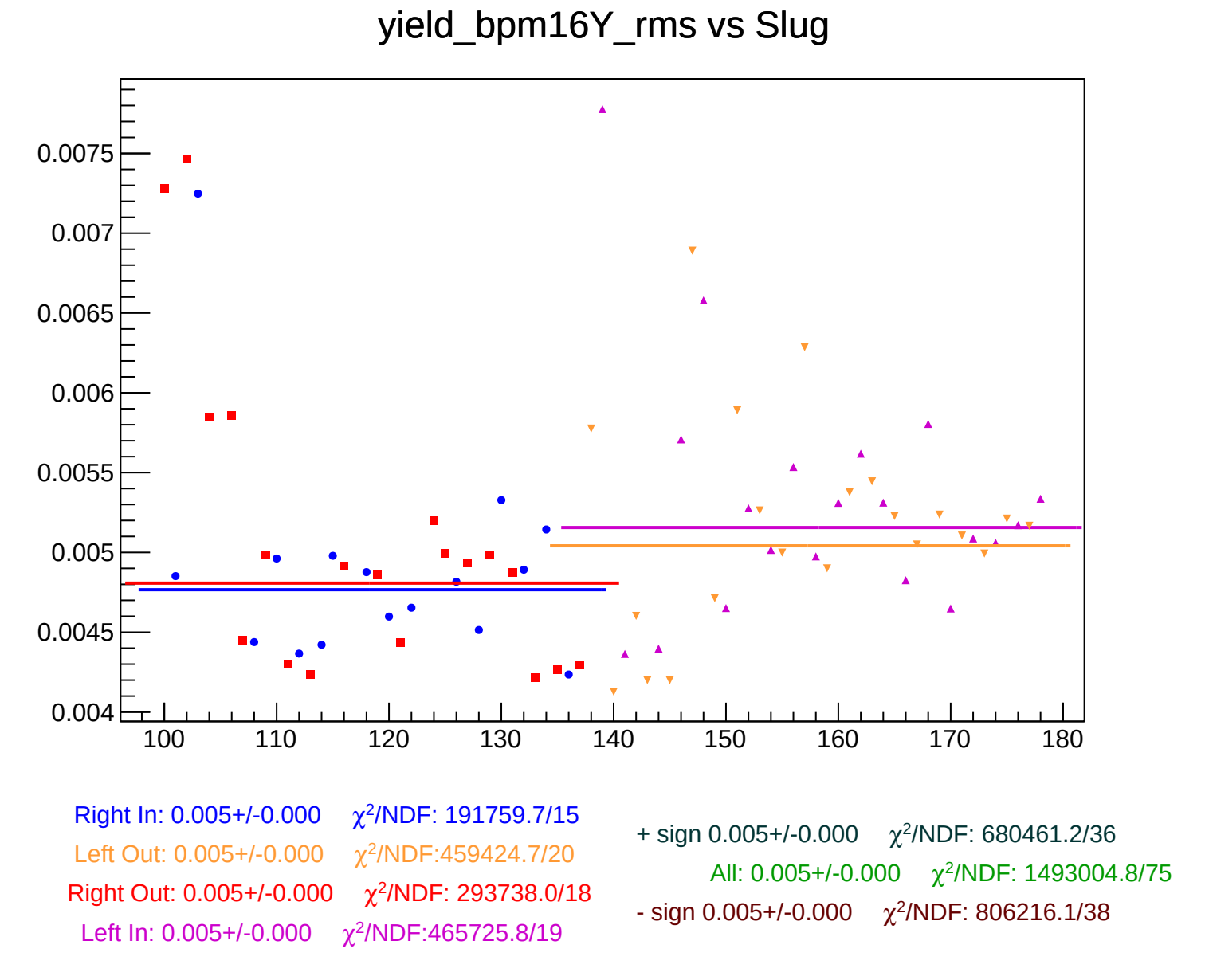
Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

Left In: -0.281+/-0.000 χ^2/NDF:66392150.7/19

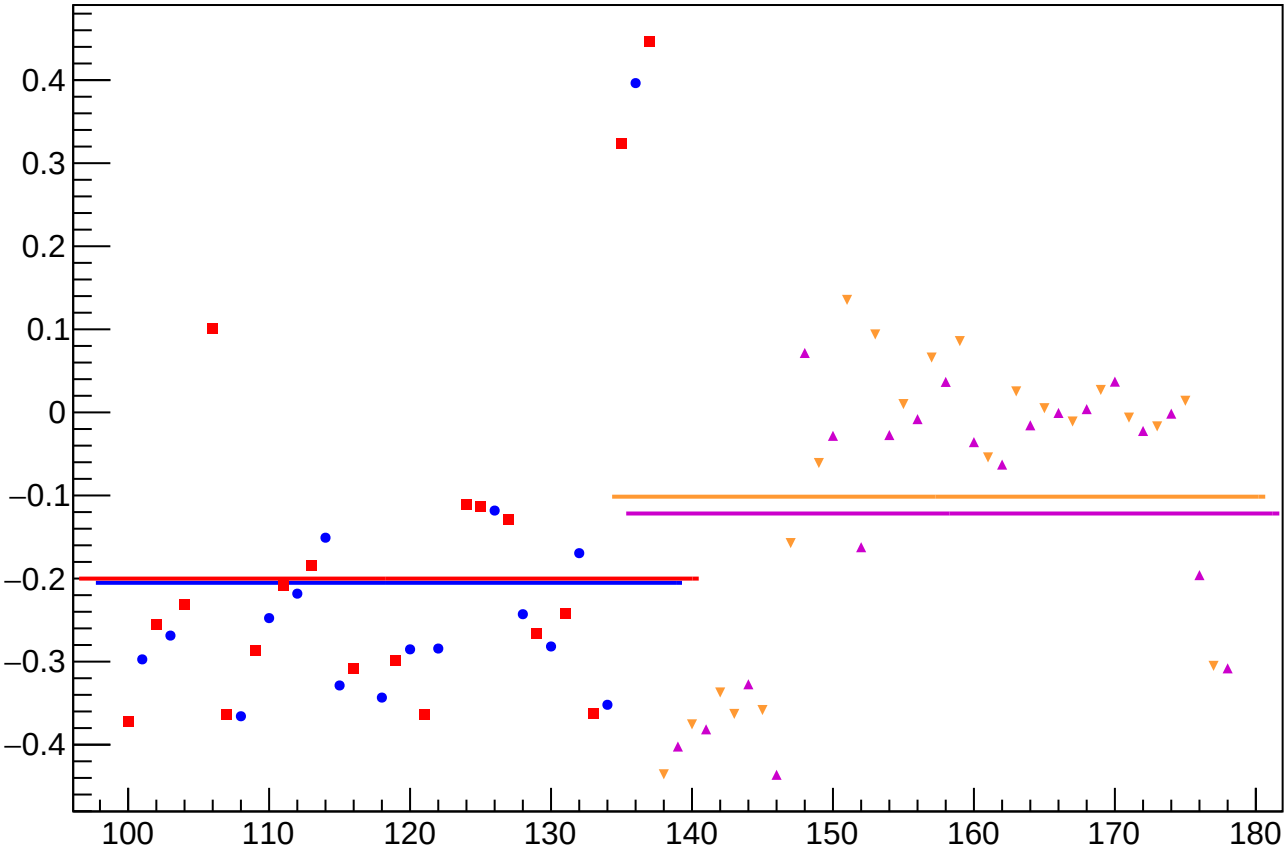
+ sign -0.268+/-0.000 χ^2/NDF: 714213075.7/36

All: -0.266+/-0.000 χ^2/NDF: 1536086710.2/7

- sign -0.264+/-0.000 χ^2/NDF: 816484793.9/38


yield_bpm16Y_rms vs Slug
0.0075
0.007
0.0065
0.006
0.0055
0.005
0.0045
0.004
100
110
120
130
140
150
160
170
180
Right In: 0.005+/-0.000 χ²/NDF: 191759.7/15
Left Out: 0.005+/-0.000 χ²/NDF:459424.7/20
Right Out: 0.005+/-0.000 χ²/NDF: 293738.0/18
Left In: 0.005+/-0.000 χ²/NDF:465725.8/19
+ sign 0.005+/-0.000 χ²/NDF: 680461.2/36
All: 0.005+/-0.000 χ²/NDF: 1493004.8/75
- sign 0.005+/-0.000 χ²/NDF: 806216.1/38

yield_bpm0i02X_mean vs Slug



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.101+/-0.000 χ^2/NDF:17714147336.3/20

Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

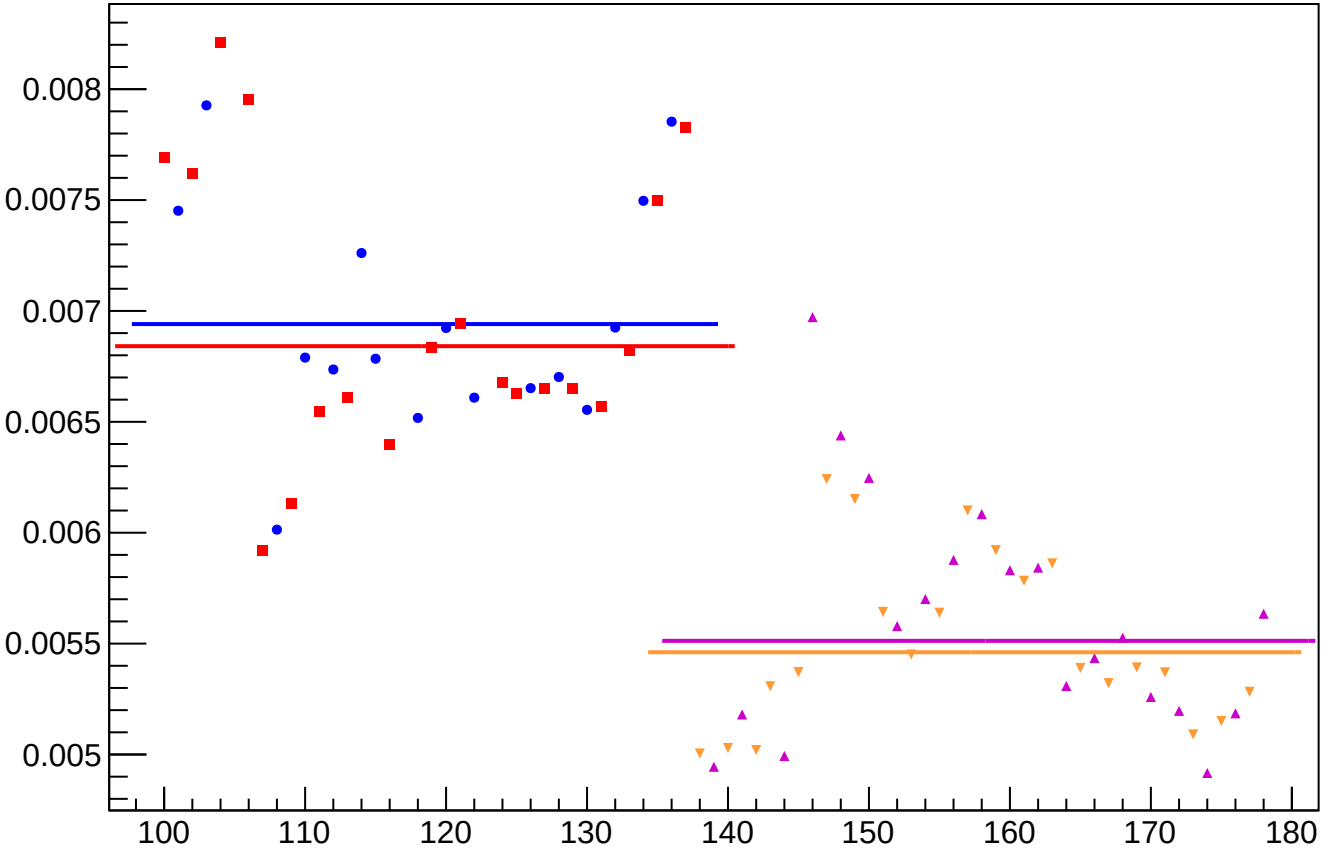
Left In: -0.122+/-0.000 χ^2/NDF:13371101251.4/19

+ sign -0.124+/-0.000 χ^2/NDF: 25132840651.3/36

All: -0.132+/-0.000 χ^2/NDF: 44565437920.9/

- sign -0.140+/-0.000 χ^2/NDF: 19345999570.9/38

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:133920.5/20

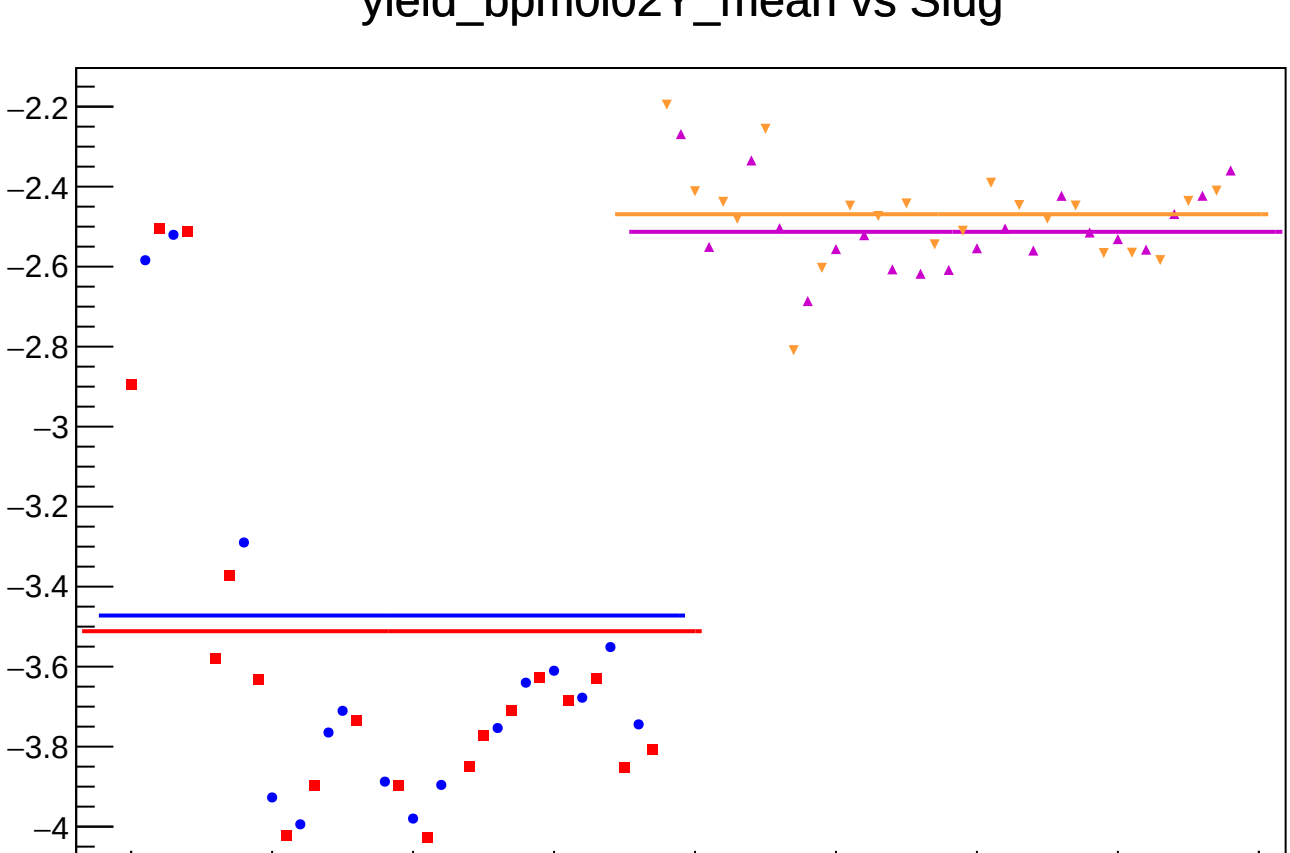
Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.006+/-0.000 χ^2/NDF:235991.1/19

+ sign 0.006+/-0.000 χ^2/NDF: 720021.8/36

All: 0.006+/-0.000 χ^2/NDF: 1473953.3/75

- sign 0.006+/-0.000 χ^2/NDF: 752774.6/38



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.469+/-0.000 χ^2/NDF:2101361259.9/20

Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

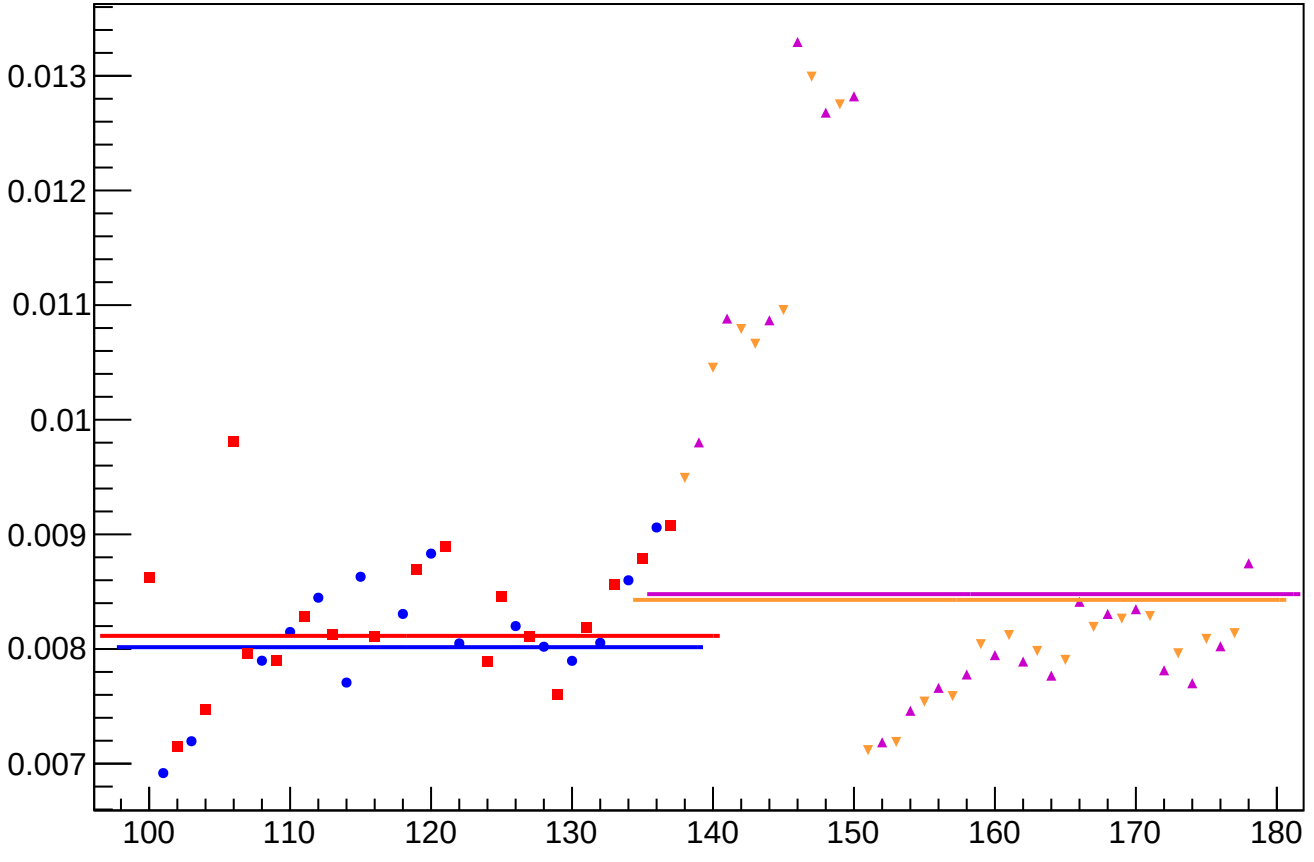
Left In: -2.513+/-0.000 χ^2/NDF:1811486815.6/19

+ sign -2.803+/-0.000 χ^2/NDF: 104661250231.6/36

All: -2.827+/-0.000 χ^2/NDF: 207738466898.0

- sign -2.852+/-0.000 χ^2/NDF: 102701344496.5/38

yield_bpm0i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 86232.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:761156.8/20

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

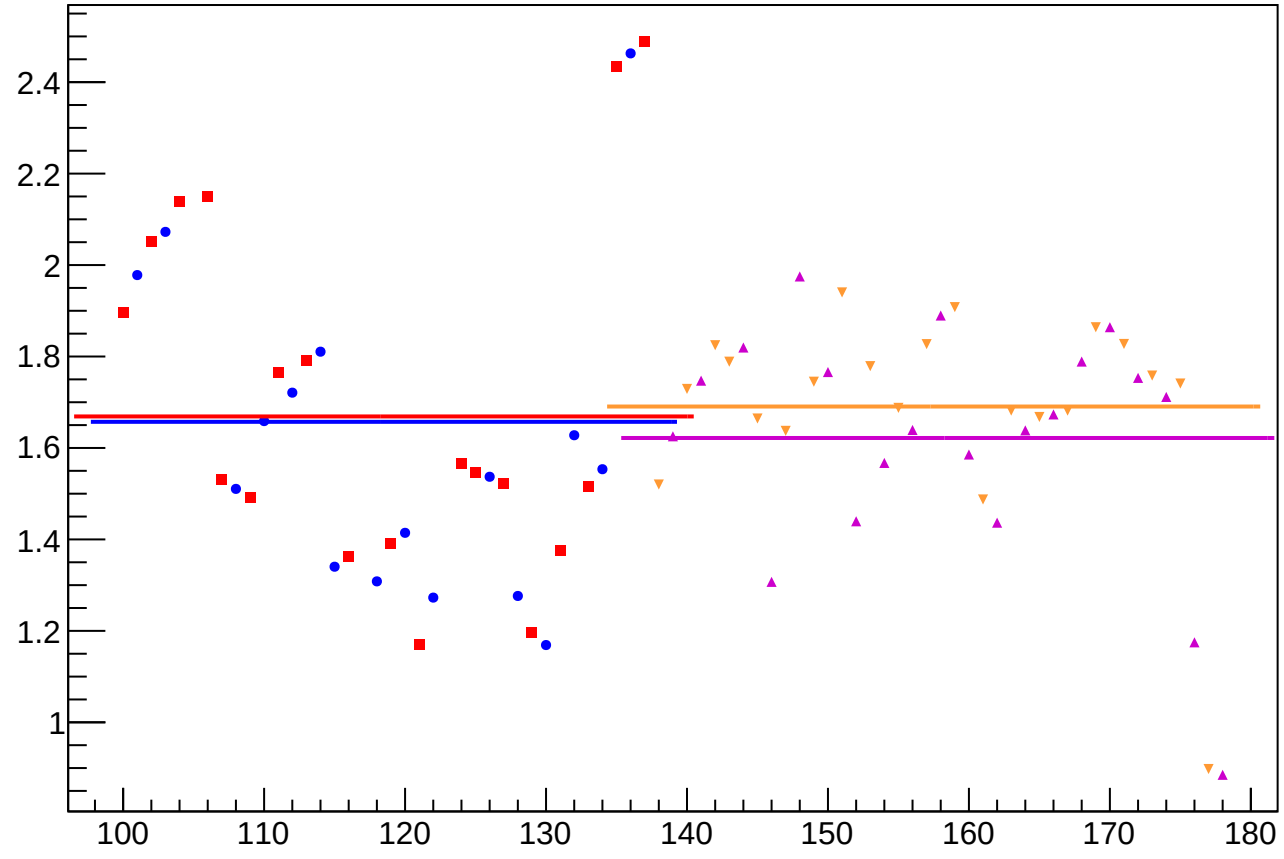
Left In: 0.008+/-0.000 χ^2/NDF:890162.0/19

+ sign 0.008+/-0.000 χ^2/NDF: 872068.0/36

All: 0.008+/-0.000 χ^2/NDF: 1853551.2/75

- sign 0.008+/-0.000 χ^2/NDF: 980158.4/38

yield_bpm0i02aX_mean vs Slug



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.691+/-0.000 χ^2/NDF:6610220719.3/20

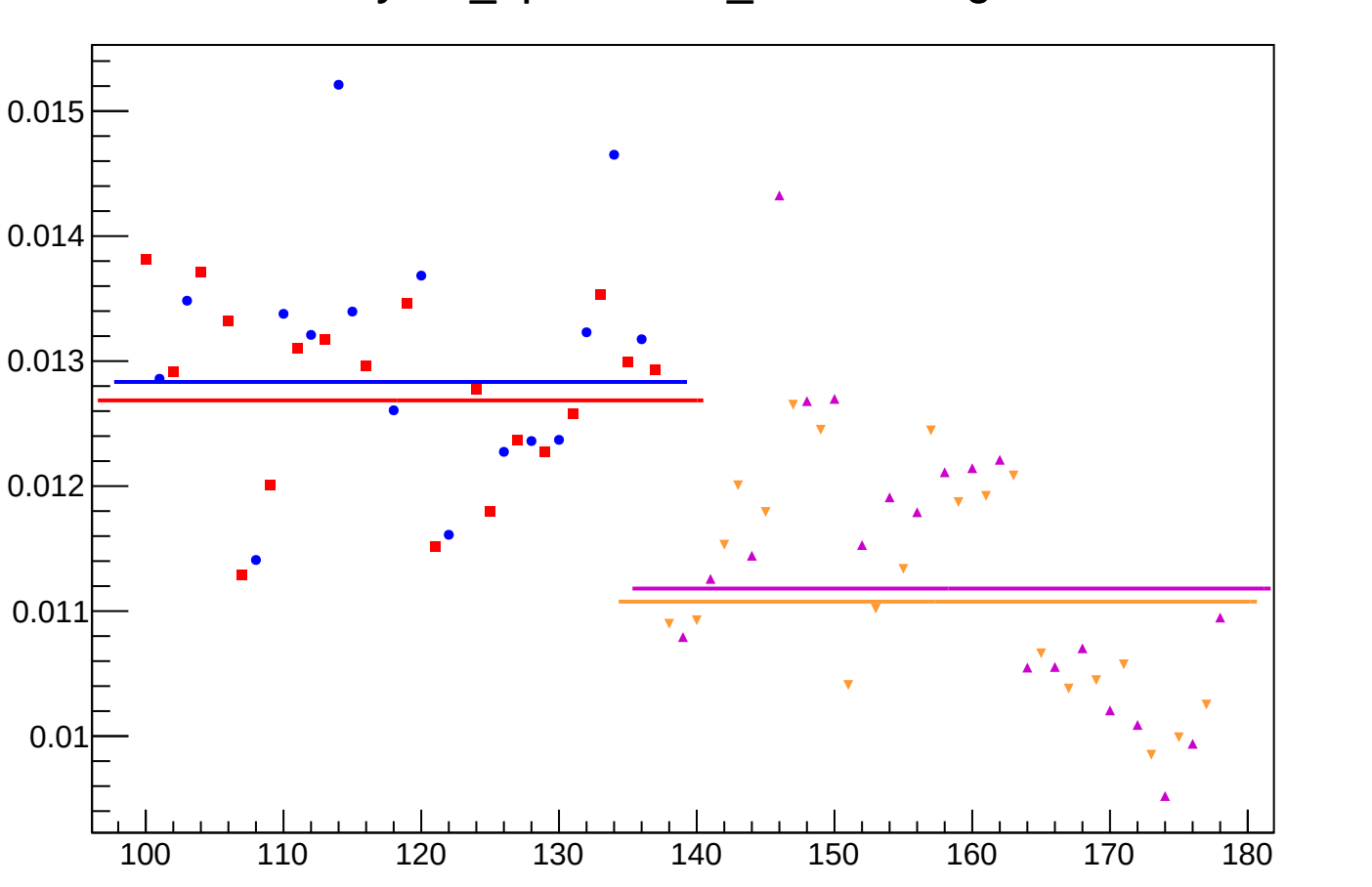
Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

Left In: 1.622+/-0.000 χ^2/NDF:8004624900.0/19

+ sign 1.682+/-0.000 χ^2/NDF: 13312226363.0/36

All: 1.659+/-0.000 χ^2/NDF: 27942595245.3/7

- sign 1.634+/-0.000 χ^2/NDF: 14435169448.2/38



Right In: 0.013+/-0.000 χ^2/NDF: 52516.5/15

Left Out: 0.011+/-0.000 χ^2/NDF:183462.2/20

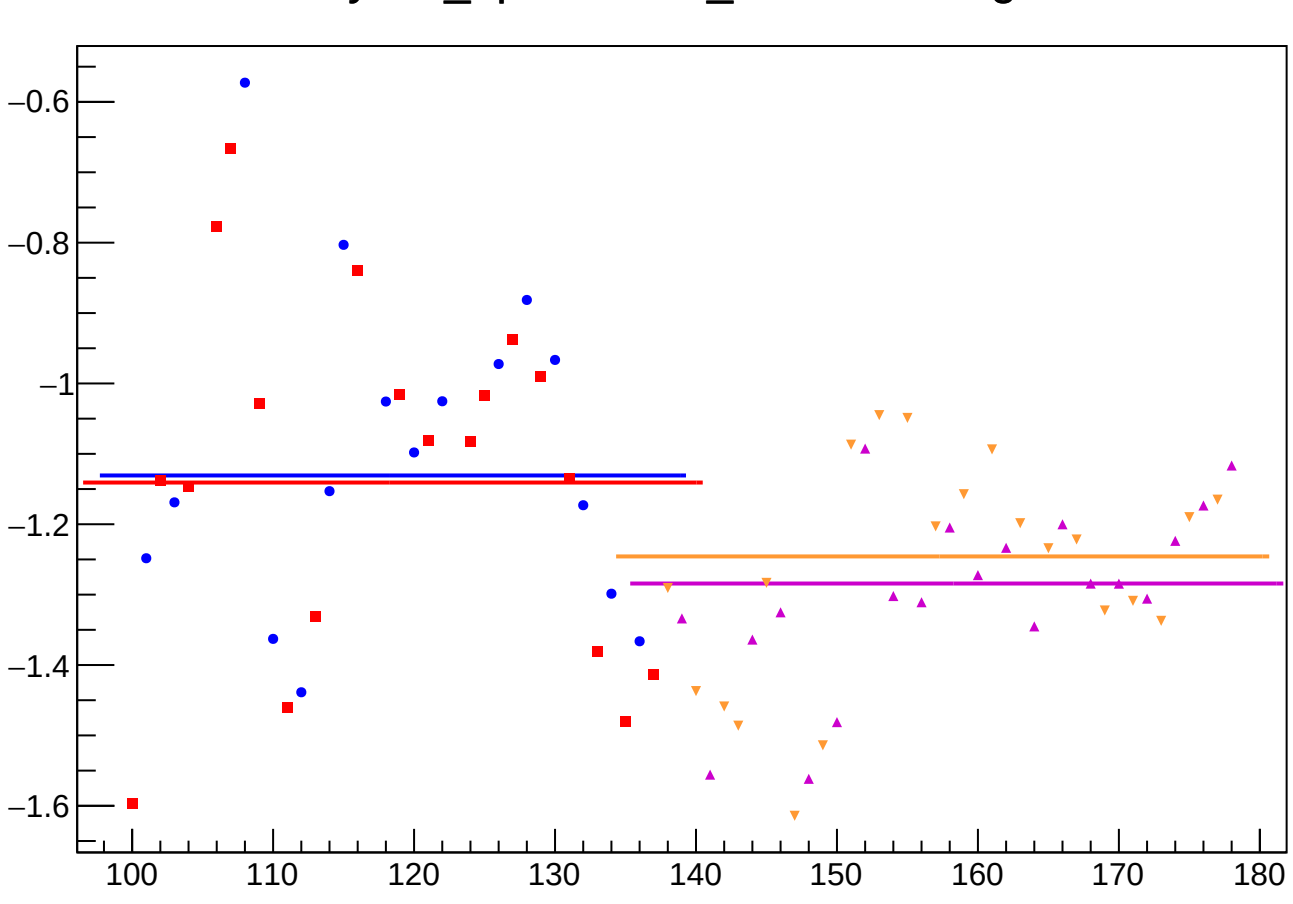
Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.011+/-0.000 χ^2/NDF:283109.5/19

+ sign 0.012+/-0.000 χ^2/NDF: 433924.7/36

All: 0.012+/-0.000 χ^2/NDF: 910083.7/75

- sign 0.012+/-0.000 χ^2/NDF: 475314.1/38



Right In: -1.131+/-0.000 χ^2/NDF: 3790121991.7/15

Left Out: -1.246+/-0.000 χ^2/NDF:4777467880.3/20

Right Out: -1.141+/-0.000 χ^2/NDF: 3544012262.4/18

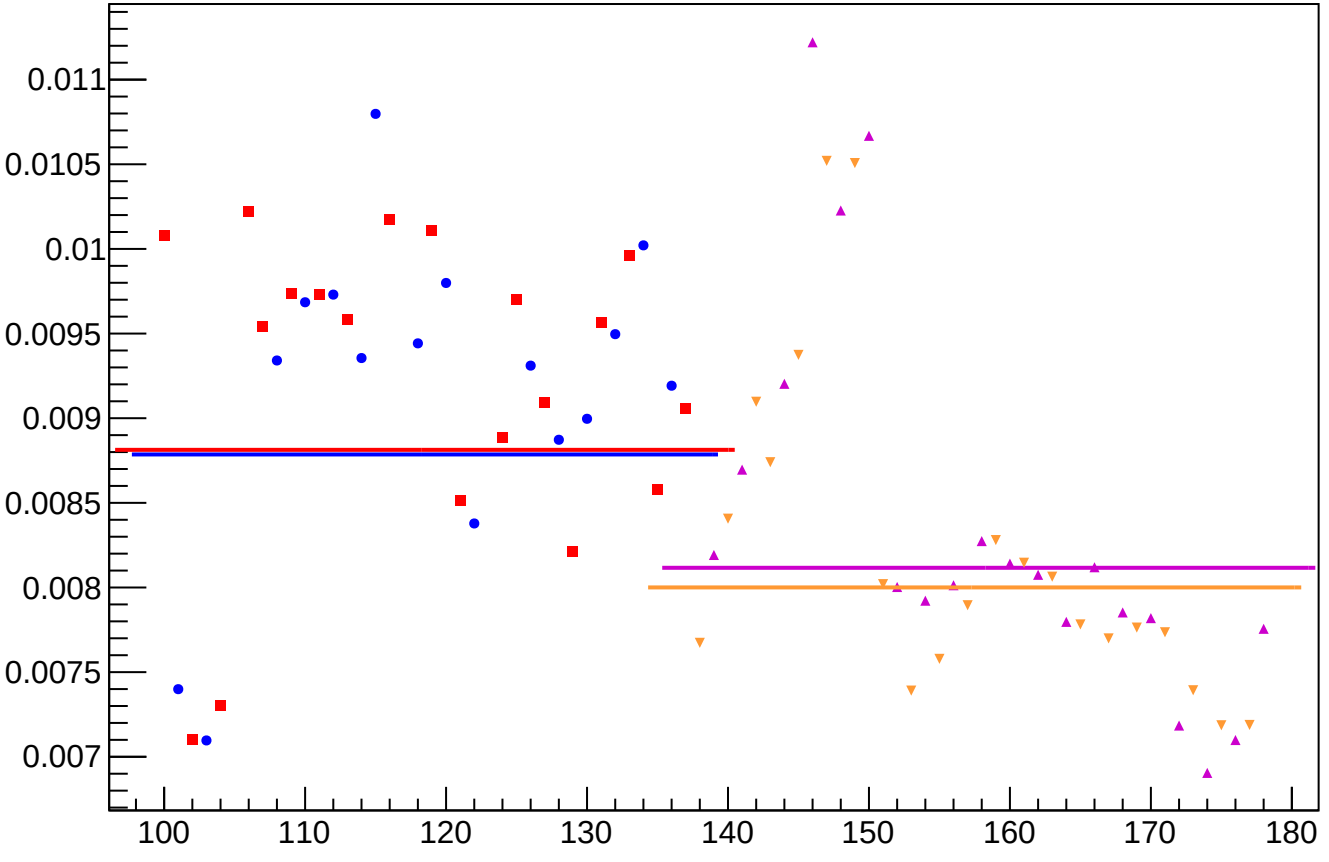
Left In: -1.284+/-0.000 χ^2/NDF:2982140503.4/19

+ sign -1.215+/-0.000 χ^2/NDF: 9425909214.9/36

All: -1.229+/-0.000 χ^2/NDF: 17416528995.0/

- sign -1.244+/-0.000 χ^2/NDF: 7851035607.4/38

yield_bpm0i02aY_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 173477.6/15

Left Out: 0.008+/-0.000 χ^2/NDF:293971.9/20

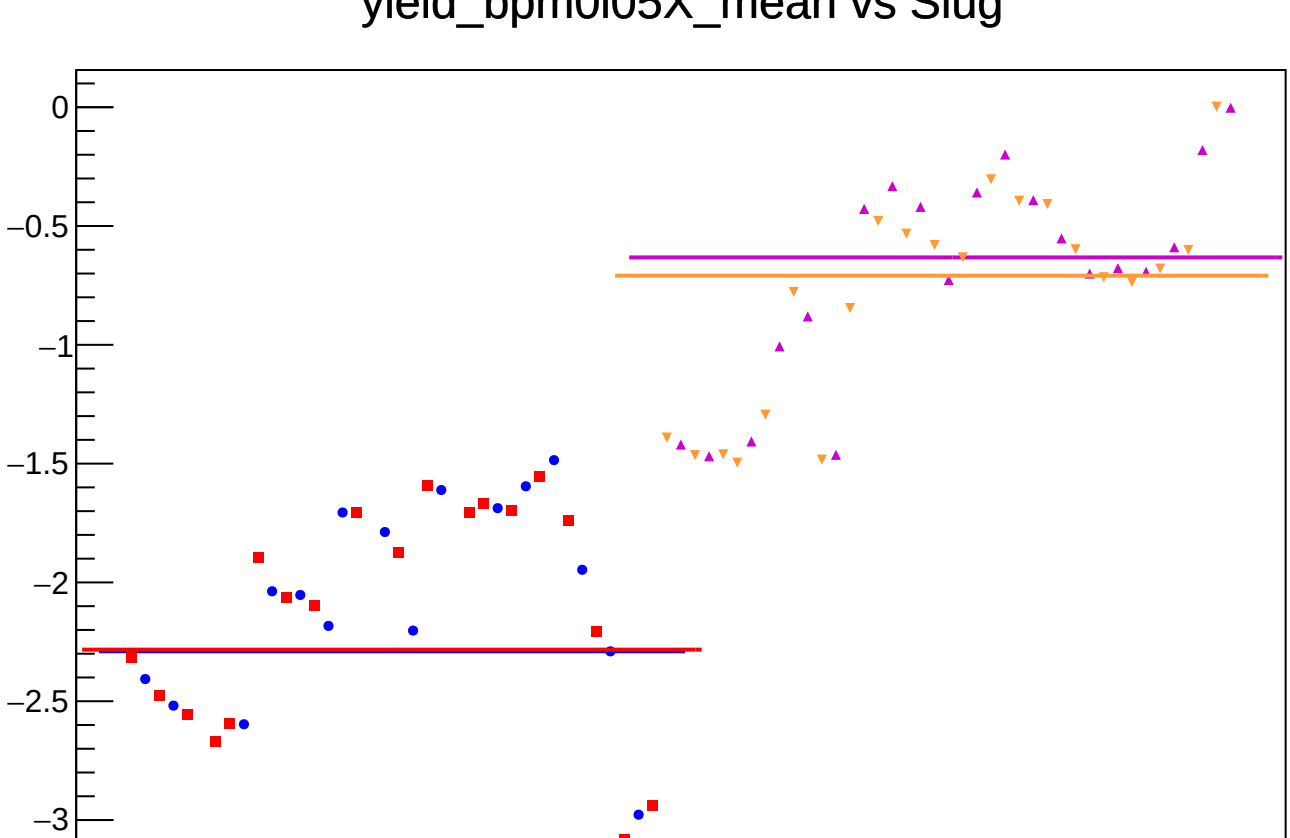
Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.008+/-0.000 χ^2/NDF:402296.7/19

+ sign 0.008+/-0.000 χ^2/NDF: 547500.6/36

All: 0.008+/-0.000 χ^2/NDF: 1219971.4/75

- sign 0.008+/-0.000 χ^2/NDF: 669251.3/38



Right In: -2.290+/-0.000 χ^2/NDF: 15222817978.4/15

Left Out: -0.709+/-0.000 χ^2/NDF:46427331879.0/20

Right Out: -2.283+/-0.000 χ^2/NDF: 17032219519.1/18

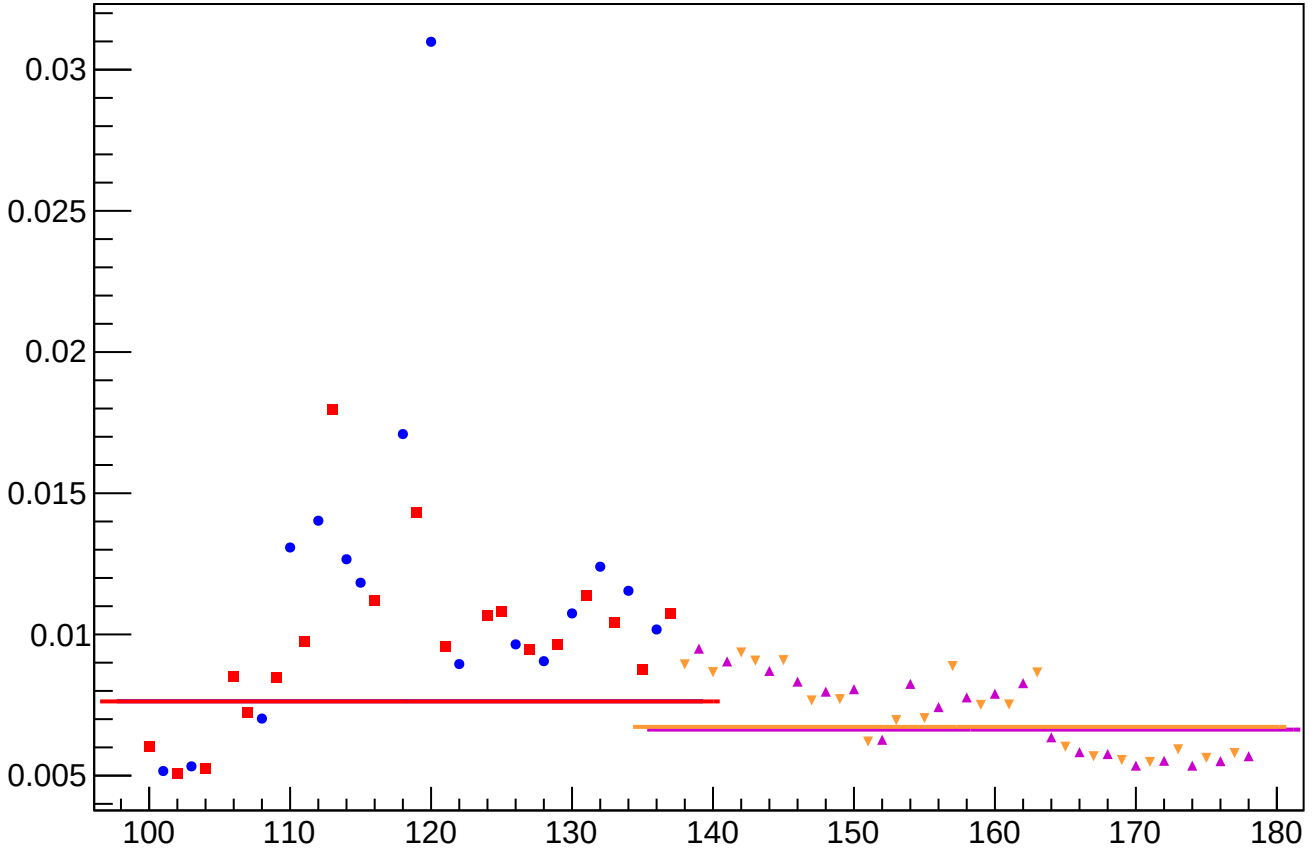
Left In: -0.632+/-0.000 χ^2/NDF:49380484262.1/19

+ sign -1.051+/-0.000 χ^2/NDF: 232442352015.4/36

All: -1.031+/-0.000 χ^2/NDF: 499087833334.3

- sign -1.012+/-0.000 χ^2/NDF: 266326560612.9/38

yield_bpm0i05X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 1710797.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:988890.4/20

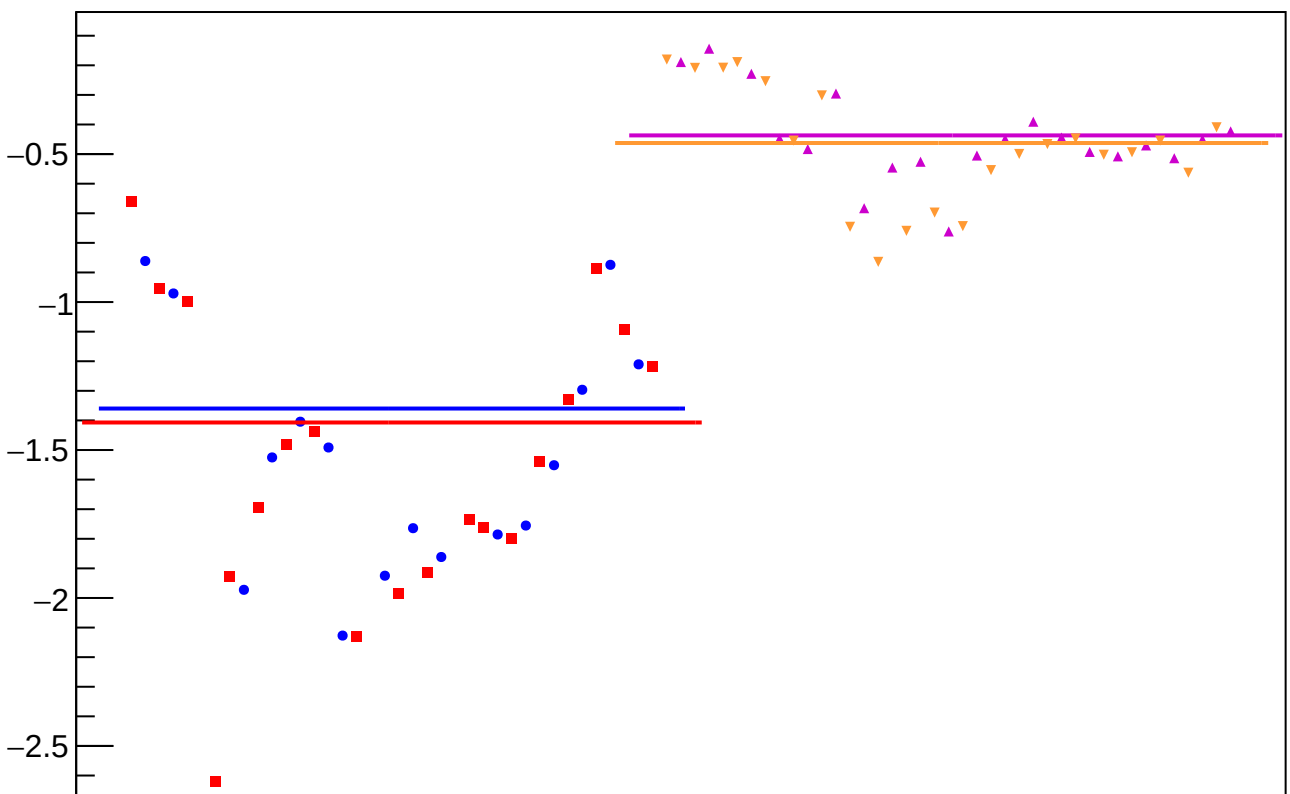
Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.007+/-0.000 χ^2/NDF:1094315.4/19

+ sign 0.007+/-0.000 χ^2/NDF: 2812115.0/36

All: 0.007+/-0.000 χ^2/NDF: 5371922.7/75

- sign 0.007+/-0.000 χ^2/NDF: 2558172.2/38



Right In: -1.360+/-0.000 χ^2/NDF: 21491965614.5/15

Left Out: -0.463+/-0.000 χ^2/NDF:28555942824.4/20

Right Out: -1.407+/-0.000 χ^2/NDF: 29835610413.0/18

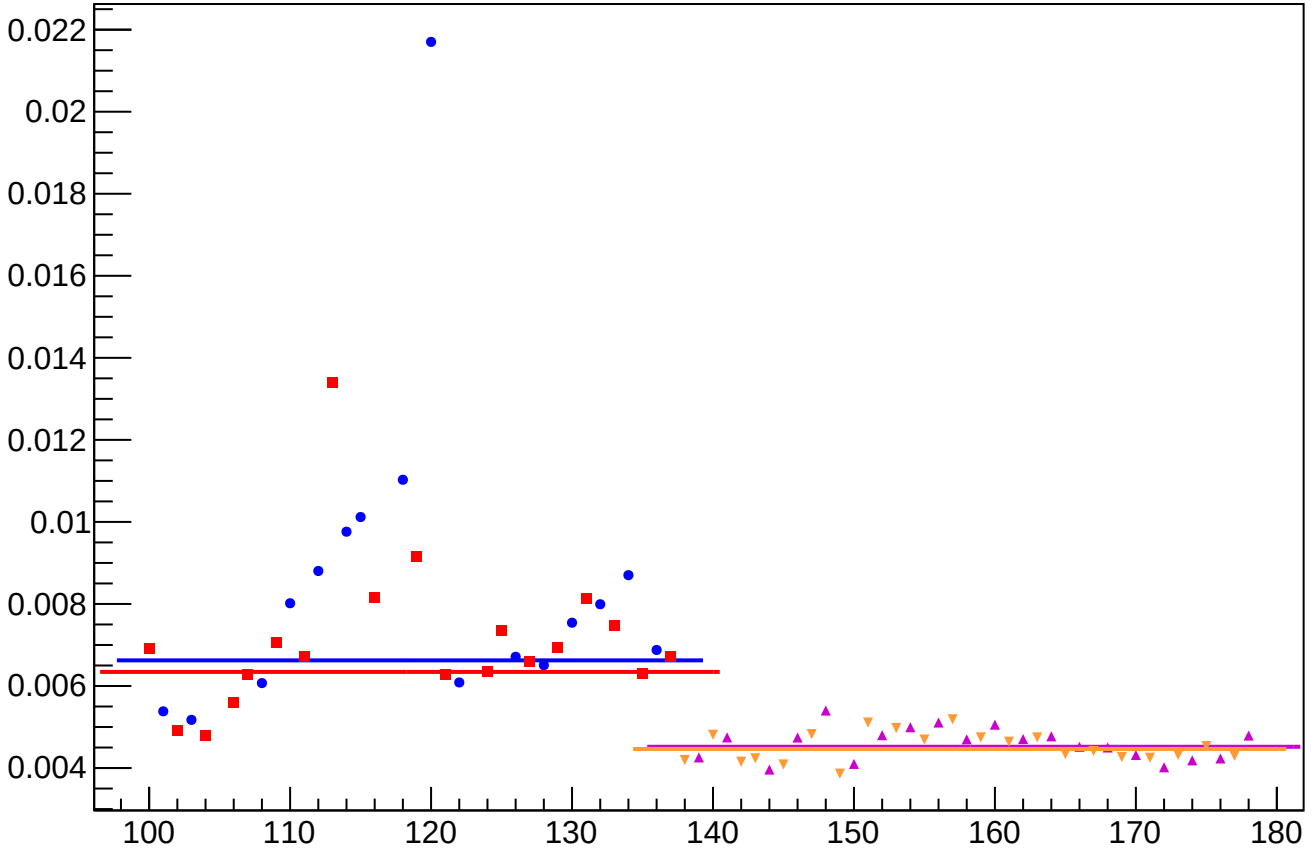
Left In: -0.437+/-0.000 χ^2/NDF:16433936746.2/19

+ sign -0.595+/-0.000 χ^2/NDF: 140512397225.0/36

All: -0.600+/-0.000 χ^2/NDF: 305120465744.

- sign -0.605+/-0.000 χ^2/NDF: 164566771220.2/38

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:172504.3/20

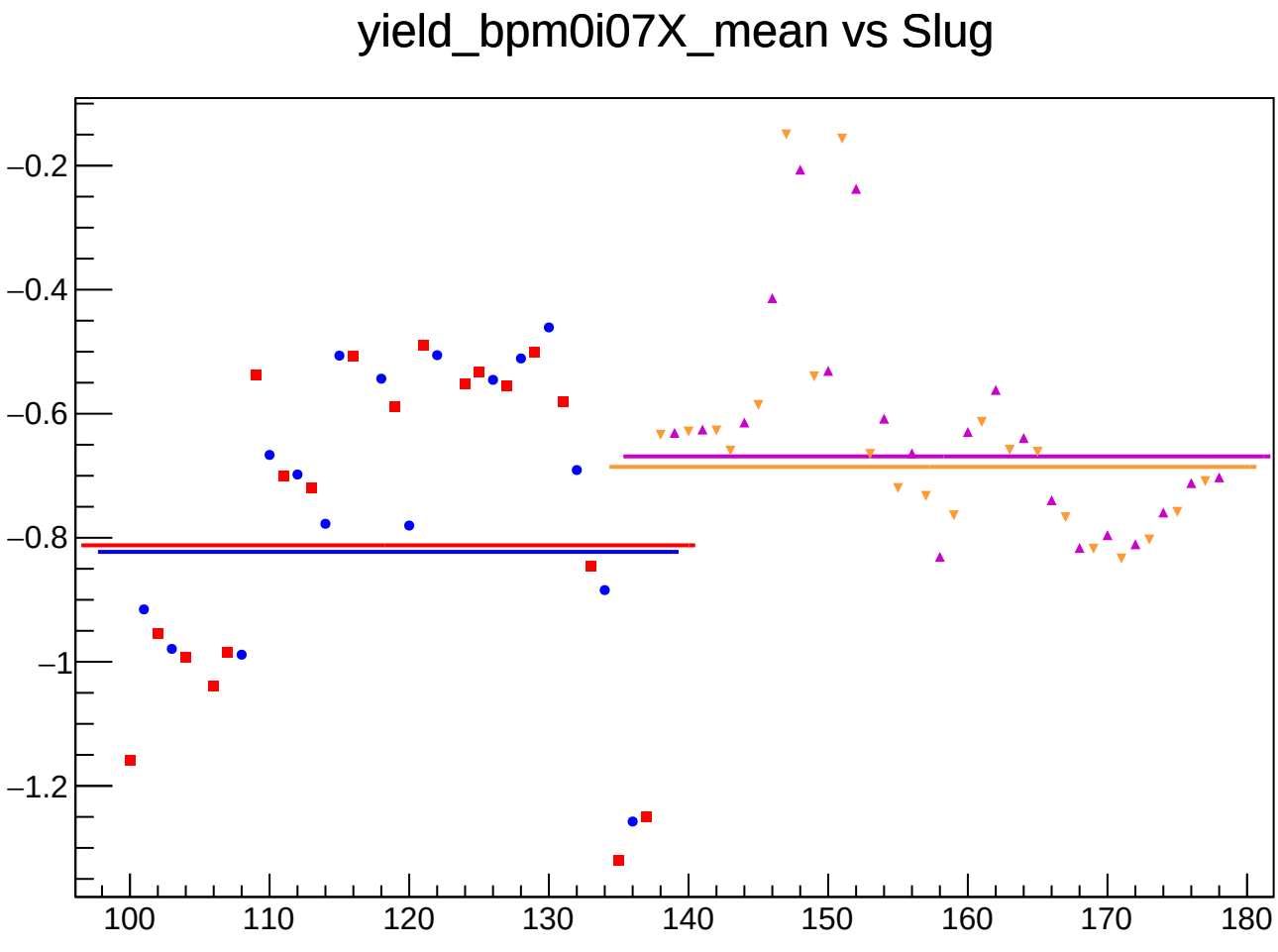
Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.005+/-0.000 χ^2/NDF:208498.6/19

+ sign 0.005+/-0.000 χ^2/NDF: 1914552.6/36

All: 0.005+/-0.000 χ^2/NDF: 3491669.3/75

- sign 0.005+/-0.000 χ^2/NDF: 1574908.3/38



Right In: -0.823+/-0.000 χ^2/NDF: 12226599844.5/15

Left Out: -0.686+/-0.000 χ^2/NDF:22328081692.5/20

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

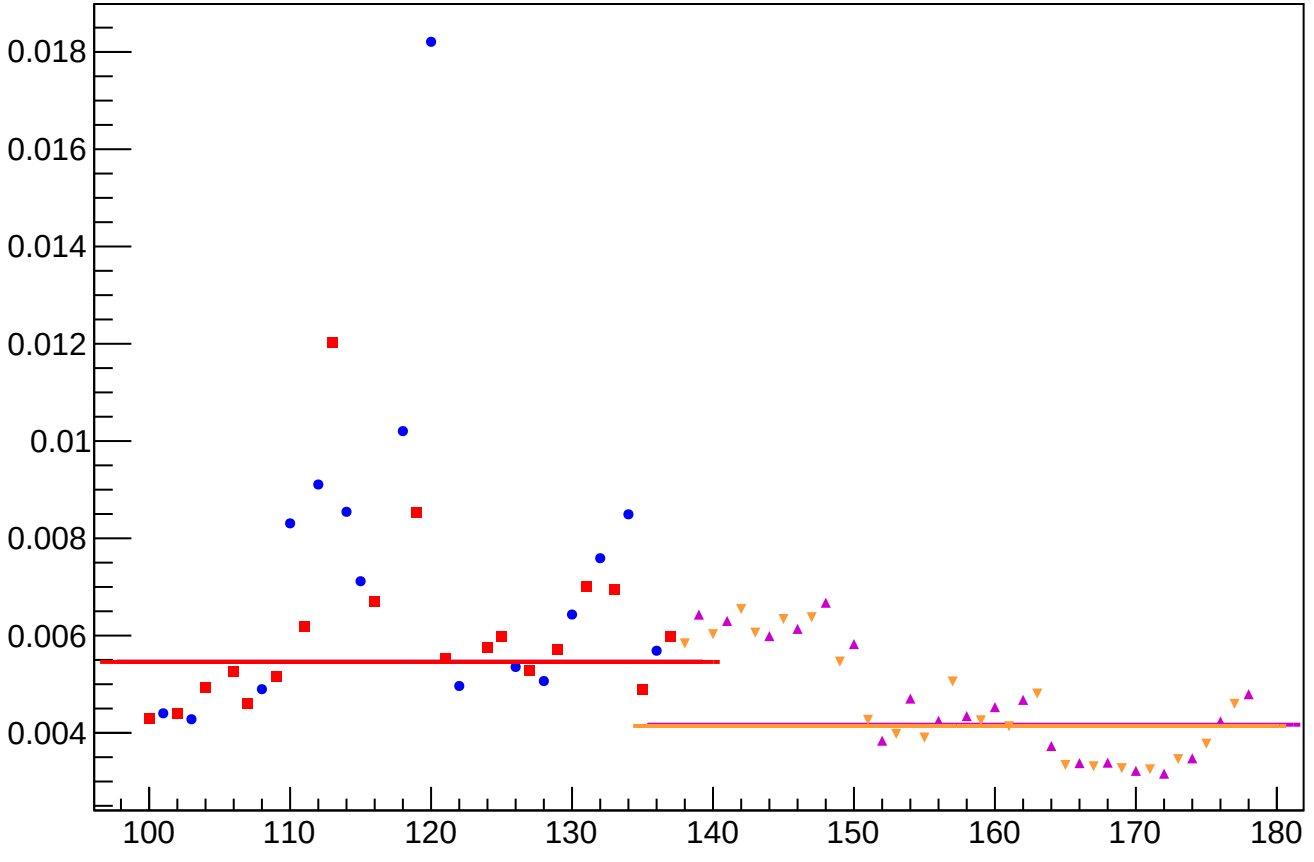
Left In: -0.669+/-0.000 χ^2/NDF:22493280525.0/19

+ sign -0.711+/-0.000 χ^2/NDF: 37391789459.1/36

All: -0.704+/-0.000 χ^2/NDF: 78108280928.5/

- sign -0.698+/-0.000 χ^2/NDF: 40630325448.4/38

yield_bpm0i07X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 961483.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:1502793.5/20

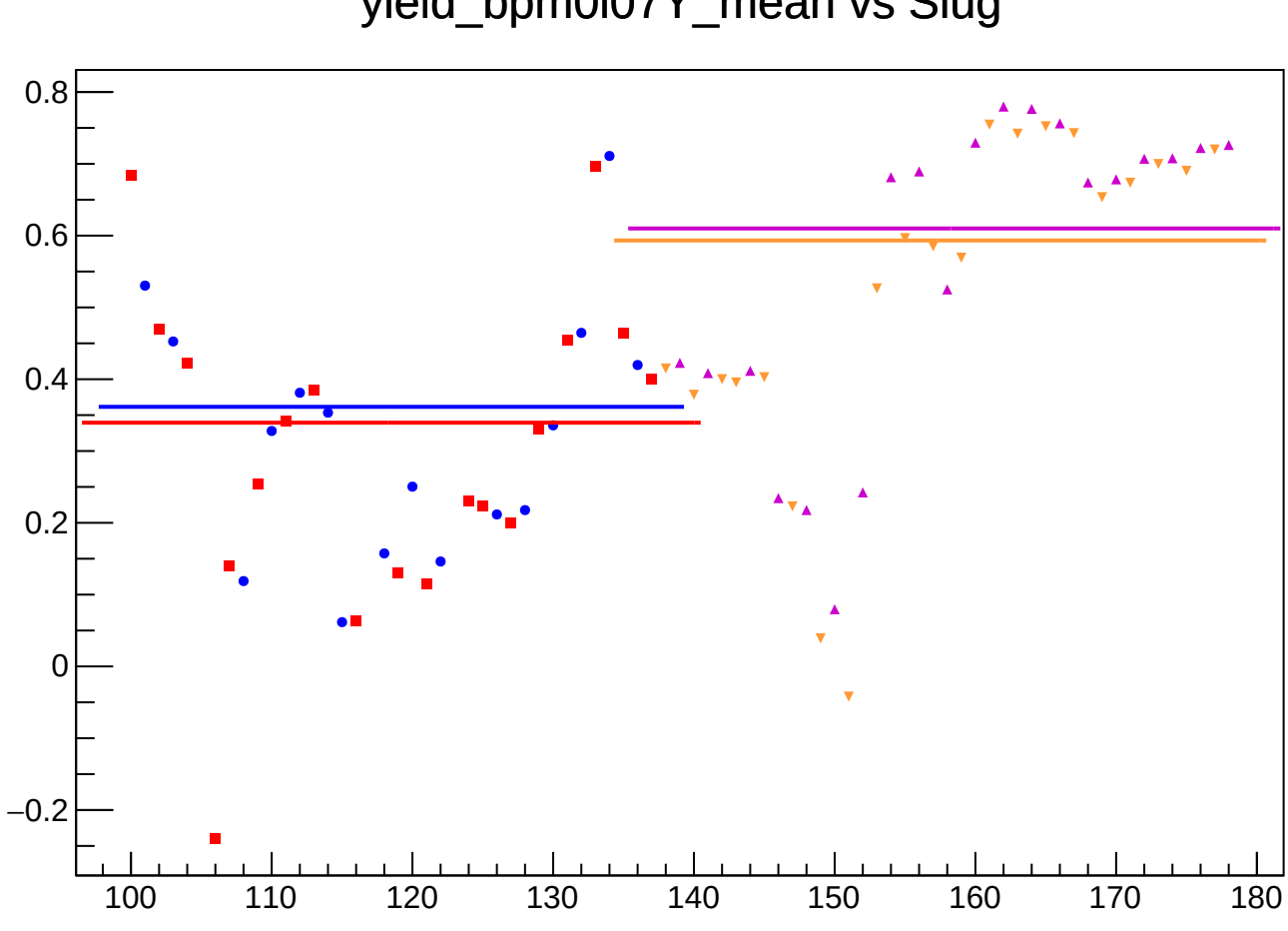
Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.004+/-0.000 χ^2/NDF:1631207.8/19

+ sign 0.004+/-0.000 χ^2/NDF: 2991468.1/36

All: 0.004+/-0.000 χ^2/NDF: 5669175.9/75

- sign 0.004+/-0.000 χ^2/NDF: 2675766.7/38



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.593+/-0.000 χ^2/NDF:42727114644.4/20

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

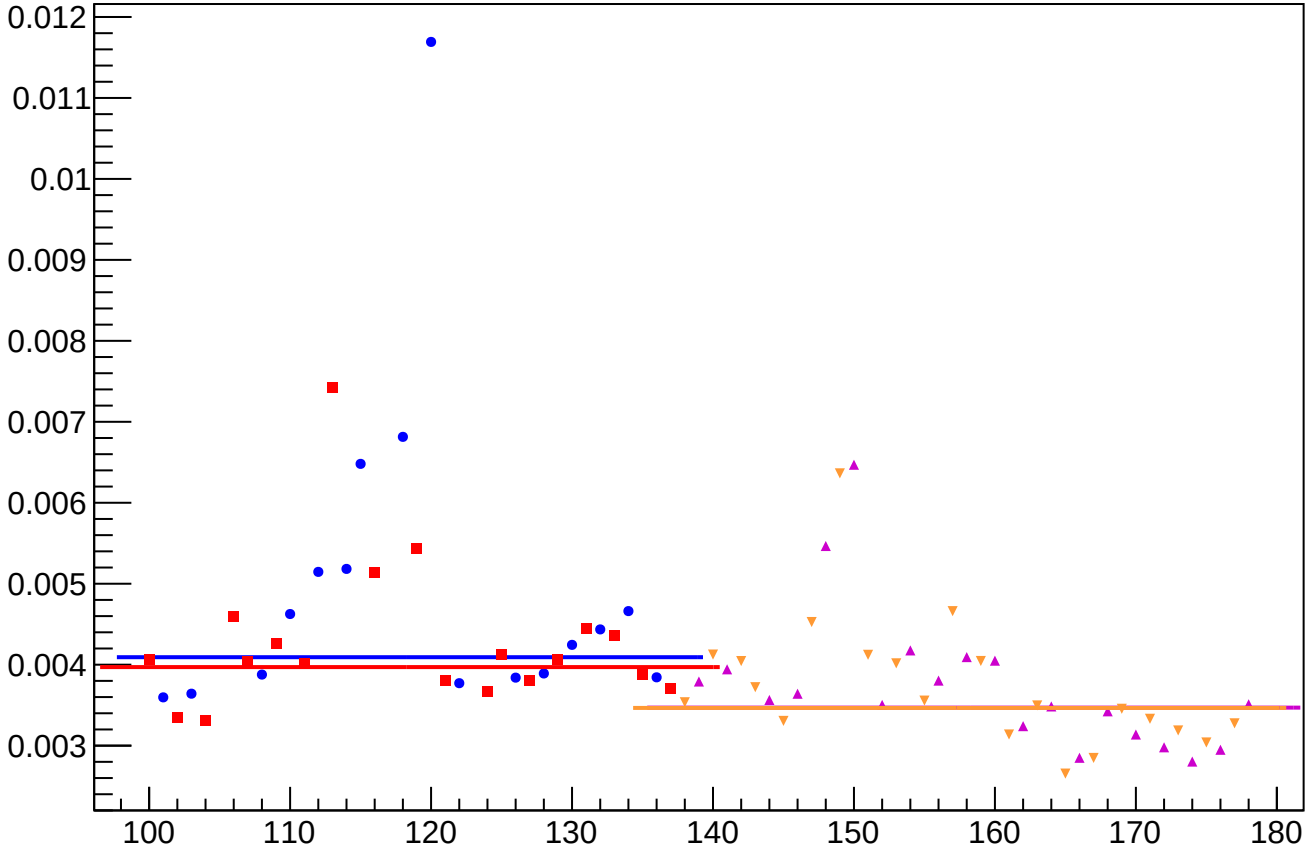
Left In: 0.610+/-0.000 χ^2/NDF:38364584673.2/19

+ sign 0.537+/-0.000 χ^2/NDF: 66361885295.7/36

All: 0.537+/-0.000 χ^2/NDF: 138609062578.2

- sign 0.538+/-0.000 χ^2/NDF: 72246601349.0/38

yield_bpm0i07Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 491748.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:807119.2/20

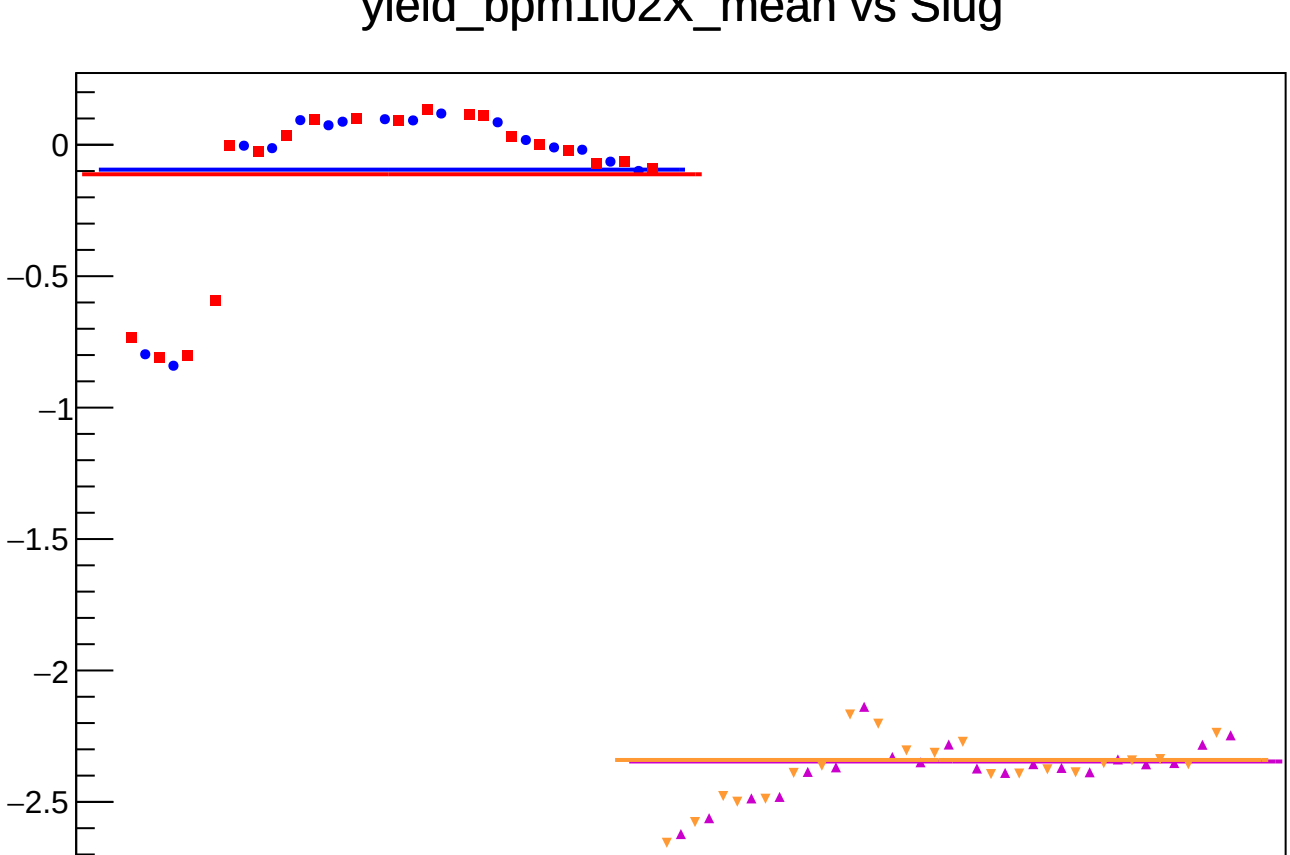
Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.003+/-0.000 χ^2/NDF:862822.9/19

+ sign 0.004+/-0.000 χ^2/NDF: 1516143.9/36

All: 0.004+/-0.000 χ^2/NDF: 2842511.2/75

- sign 0.004+/-0.000 χ^2/NDF: 1326021.3/38



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.340+/-0.000 χ^2/NDF:1832062510.6/20

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

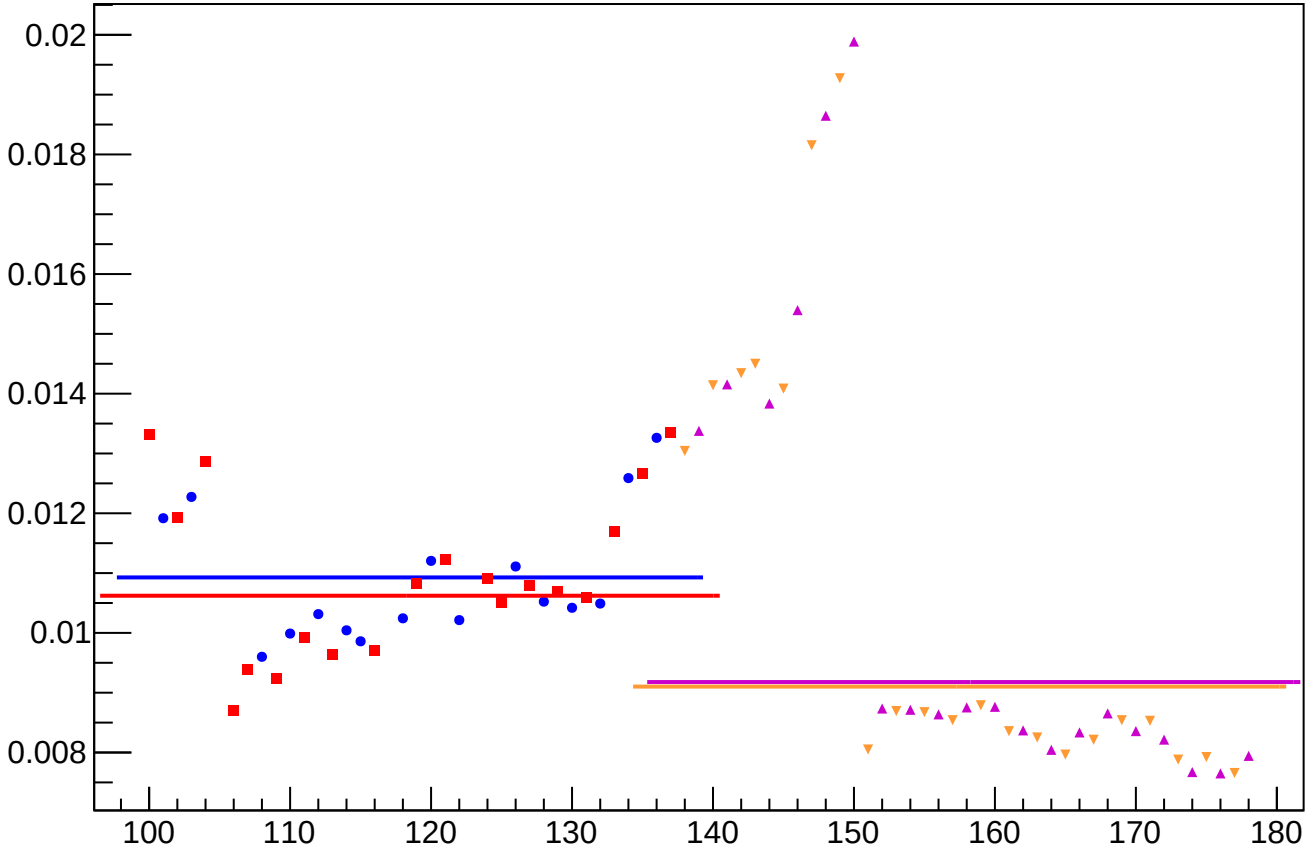
Left In: -2.346+/-0.000 χ^2/NDF:1494534552.2/19

+ sign -1.798+/-0.000 χ^2/NDF: 235486715603.8/36

All: -1.775+/-0.000 χ^2/NDF: 482785466310.3

- sign -1.752+/-0.000 χ^2/NDF: 247038783145.6/38

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 136478.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:2030431.3/20

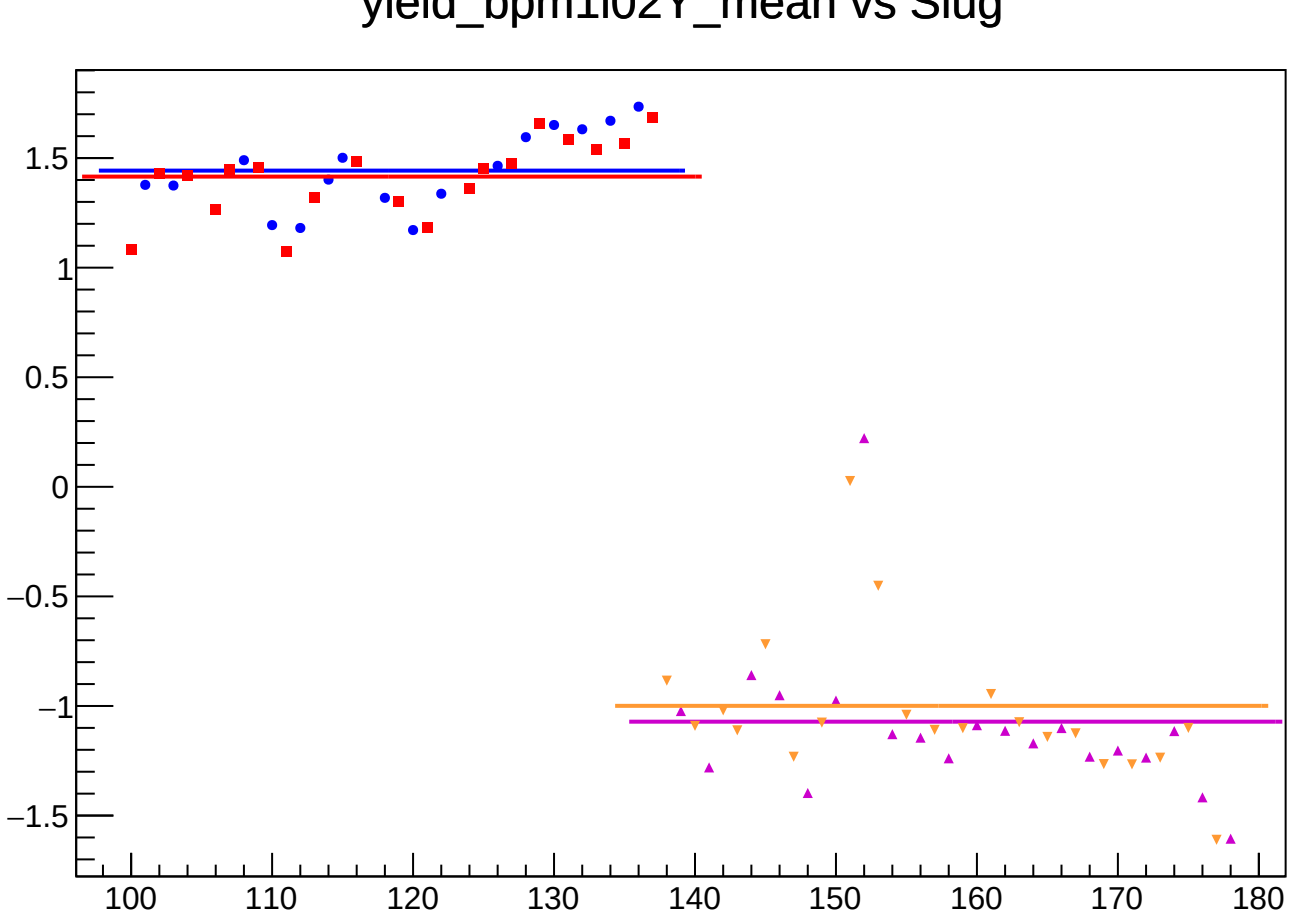
Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

Left In: 0.009+/-0.000 χ^2/NDF:2099825.4/19

+ sign 0.010+/-0.000 χ^2/NDF: 2468369.5/36

All: 0.010+/-0.000 χ^2/NDF: 4958674.9/75

- sign 0.010+/-0.000 χ^2/NDF: 2490218.2/38



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -0.999+/-0.000 χ^2/NDF:43274570071.6/20

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

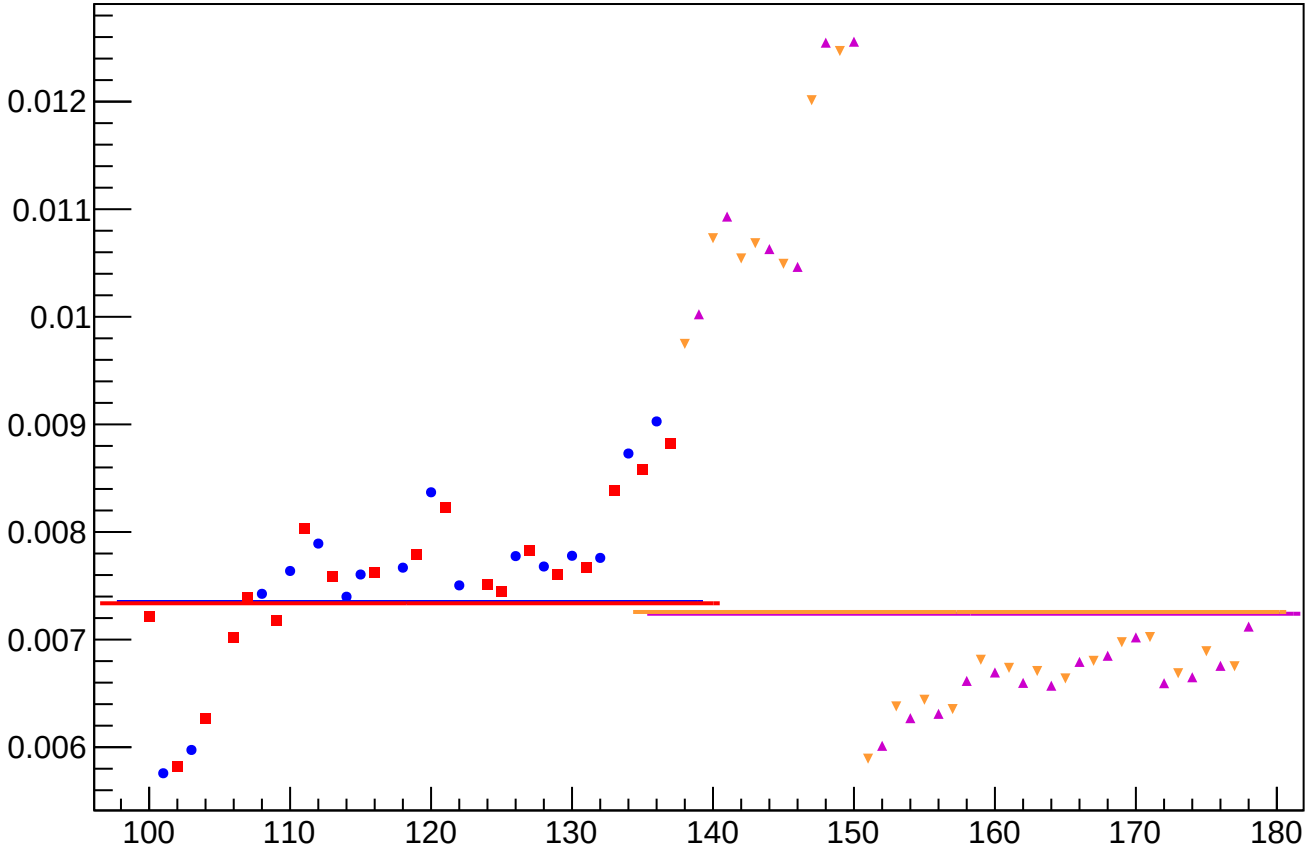
Left In: -1.072+/-0.000 χ^2/NDF:49813141581.9/19

+ sign -0.258+/-0.000 χ^2/NDF: 590352666383.1/36

All: -0.271+/-0.000 χ^2/NDF: 1221817685640

- sign -0.284+/-0.000 χ^2/NDF: 631319922924.2/38

yield_bpm1i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 270864.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:1487108.0/20

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

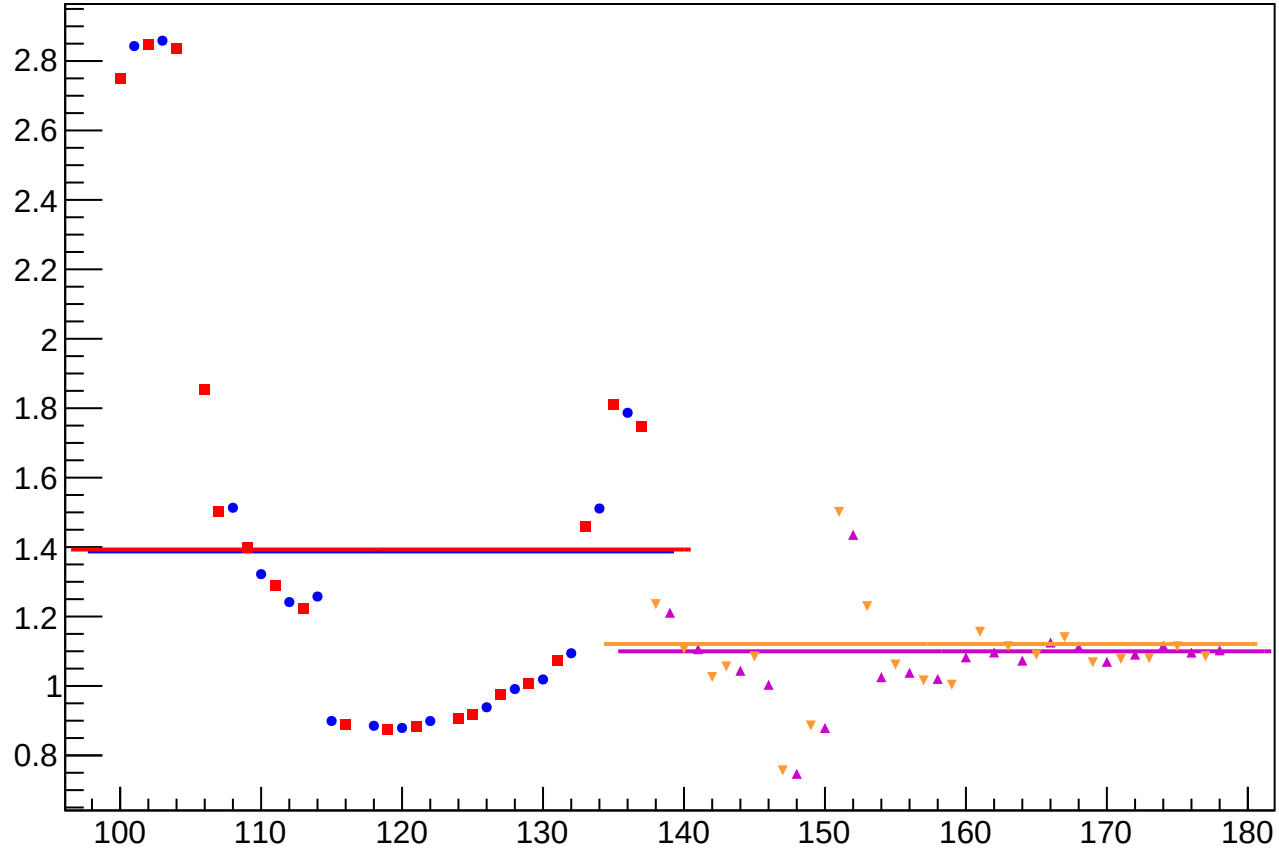
Left In: 0.007+/-0.000 χ^2/NDF:1553791.7/19

+ sign 0.007+/-0.000 χ^2/NDF: 1759536.8/36

All: 0.007+/-0.000 χ^2/NDF: 3510552.7/75

- sign 0.007+/-0.000 χ^2/NDF: 1750934.1/38

yield_bpm1i04X_mean vs Slug



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.121+/-0.000 χ^2/NDF:5510092851.6/20

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

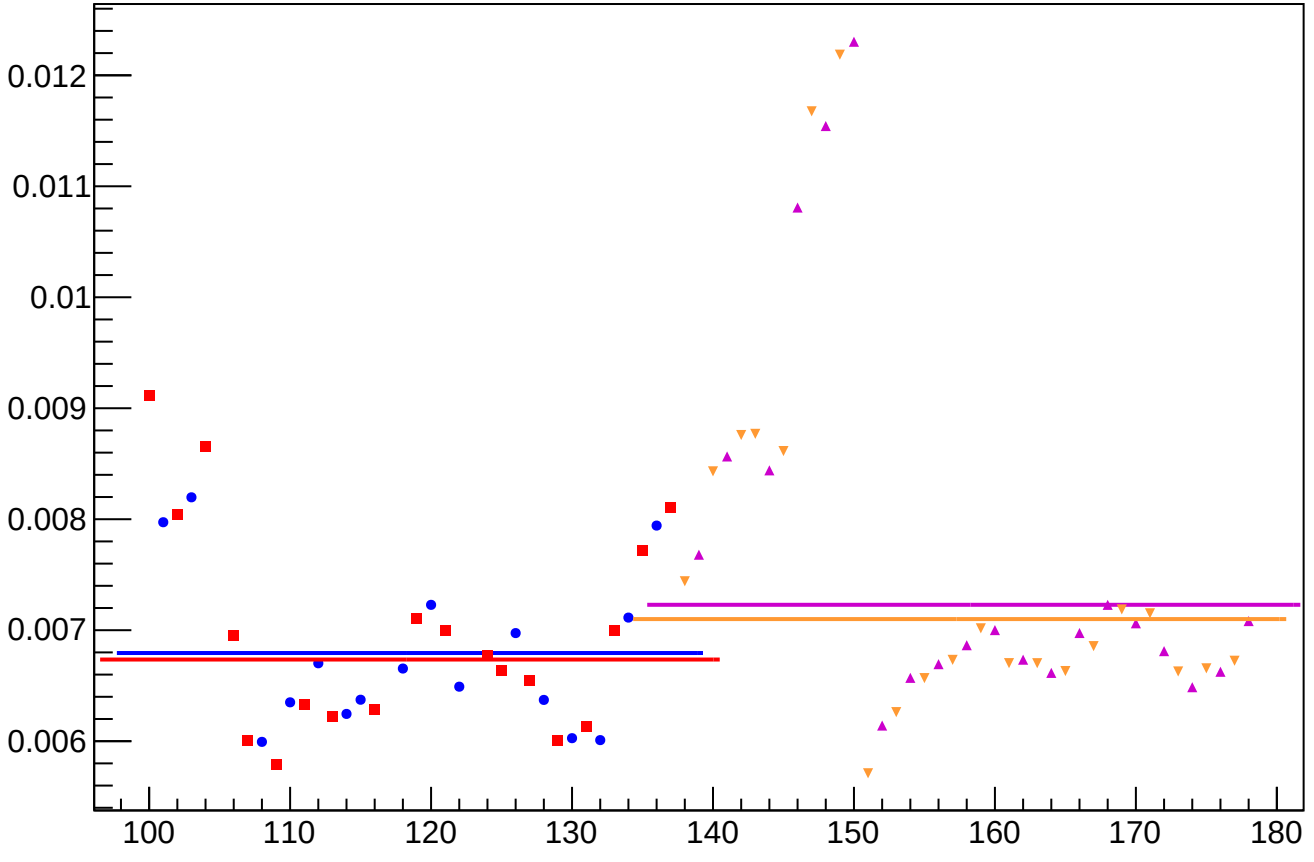
Left In: 1.100+/-0.000 χ^2/NDF:4185860210.7/19

+ sign 1.209+/-0.000 χ^2/NDF: 71469310742.4/36

All: 1.206+/-0.000 χ^2/NDF: 140049253840.0

- sign 1.203+/-0.000 χ^2/NDF: 68573290005.2/38

yield_bpm1i04X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 164456.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:849458.3/20

Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

Left In: 0.007+/-0.000 χ^2/NDF:909403.0/19

+ sign 0.007+/-0.000 χ^2/NDF: 1033211.7/36

All: 0.007+/-0.000 χ^2/NDF: 2193565.4/75

- sign 0.007+/-0.000 χ^2/NDF: 1158935.6/38

yield_bpm1i04Y_mean vs Slug

Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 0.640+/-0.000 χ^2/NDF:247791537804.1/20

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

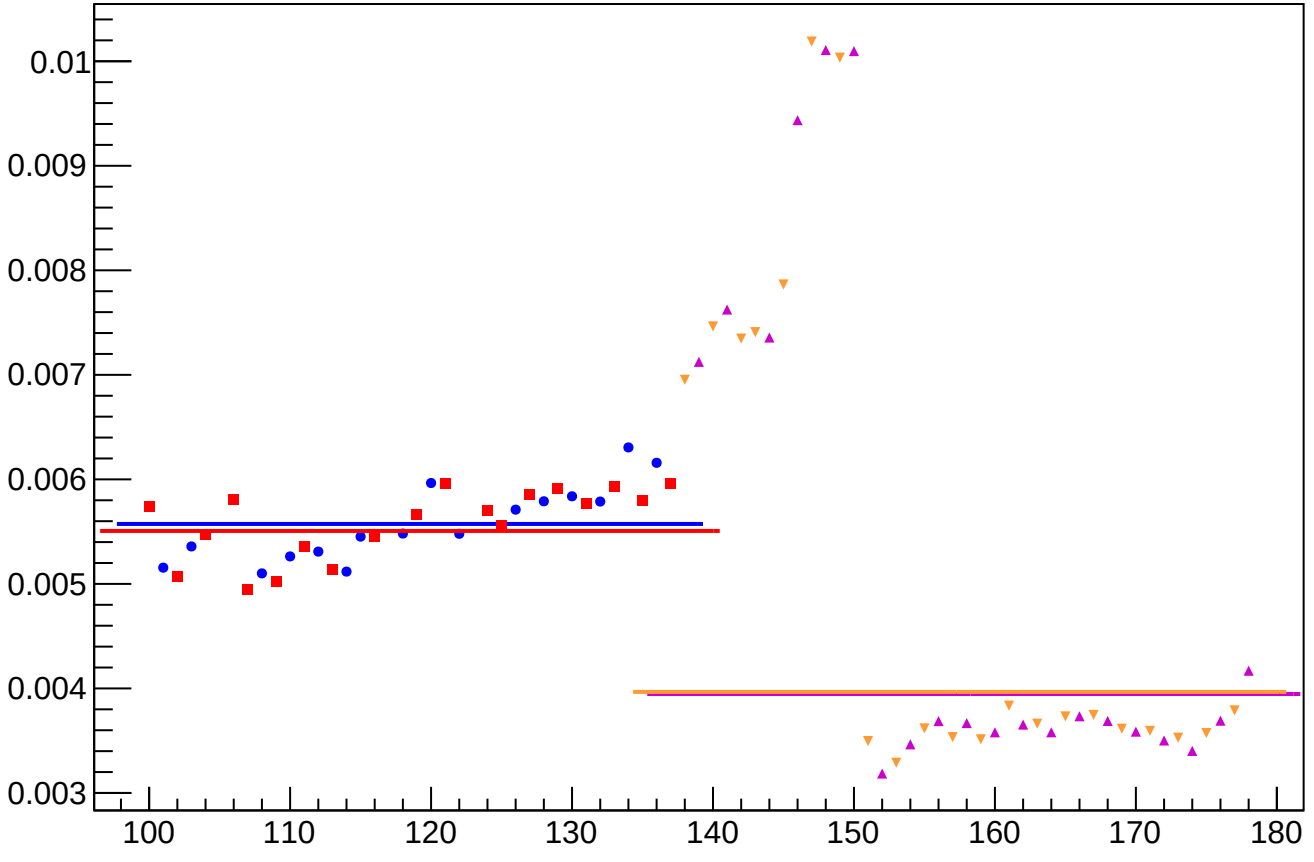
Left In: 0.644+/-0.000 χ^2/NDF:248487631001.6/19

+ sign 1.229+/-0.000 χ^2/NDF: 2058156784353.7/36

All: 1.247+/-0.000 χ^2/NDF: 4220314743285.

- sign 1.266+/-0.000 χ^2/NDF: 2161378991546.3/38

yield_bpm1i04Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 59130.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:2897838.8/20

Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

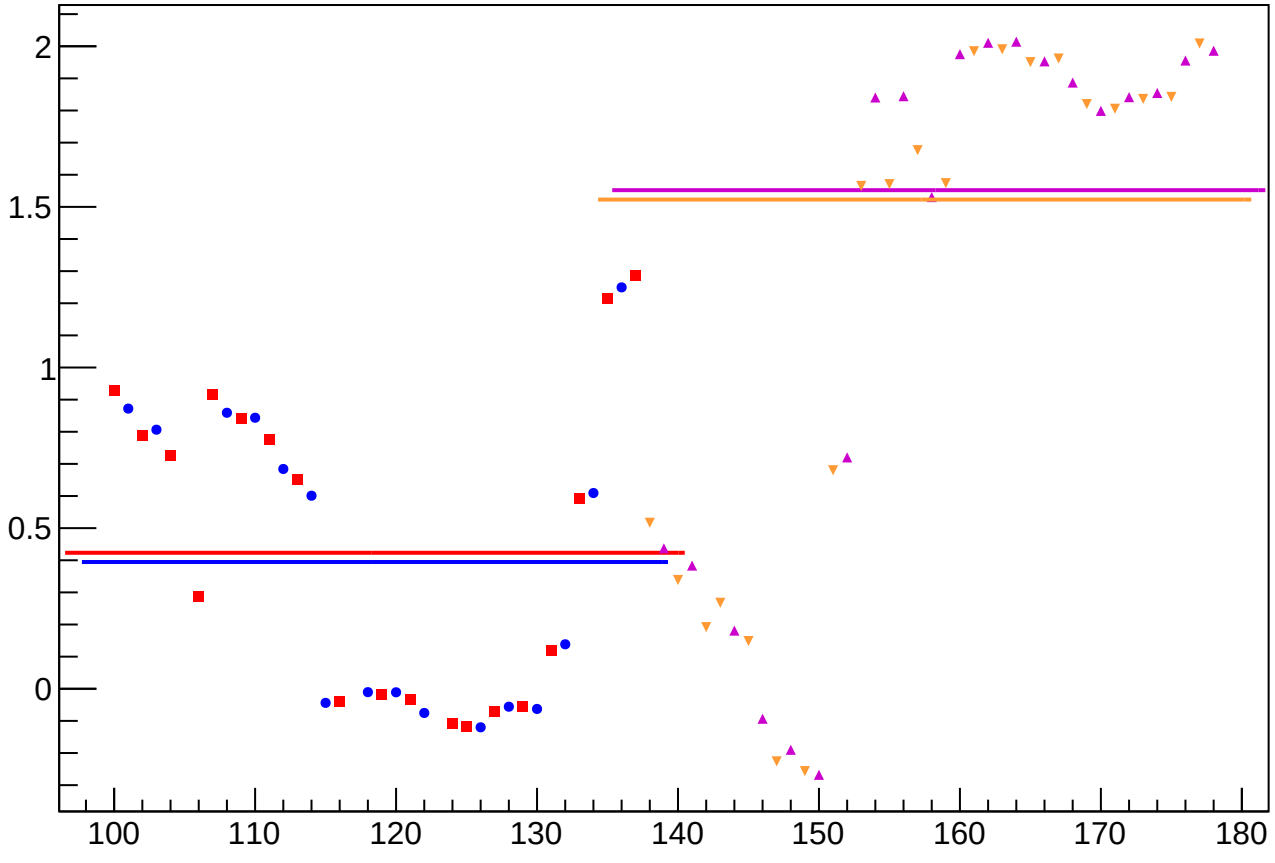
Left In: 0.004+/-0.000 χ^2/NDF:3108271.2/19

+ sign 0.004+/-0.000 χ^2/NDF: 3910227.7/36

All: 0.004+/-0.000 χ^2/NDF: 8004220.3/75

- sign 0.004+/-0.000 χ^2/NDF: 4093684.9/38

yield_bpm1i06X_mean vs Slug



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 1.523+/-0.000 χ^2/NDF:57508288034.6/20

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

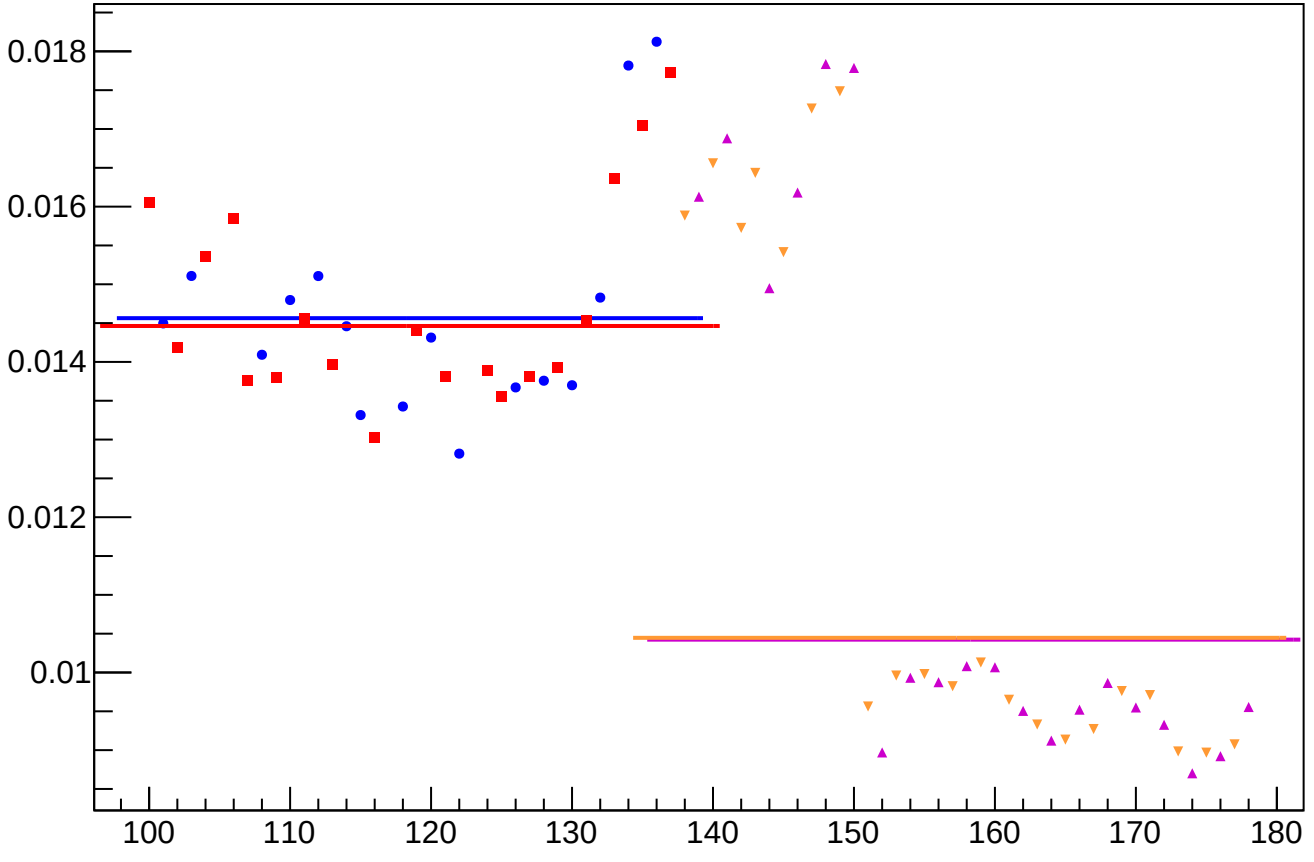
Left In: 1.552+/-0.000 χ^2/NDF:62781431325.1/19

+ sign 1.309+/-0.000 χ^2/NDF: 99428427385.9/36

All: 1.319+/-0.000 χ^2/NDF: 204729671728.7

- sign 1.329+/-0.000 χ^2/NDF: 105267091888.5/38

yield_bpm1i06X_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 133134.7/15

Left Out: 0.010+/-0.000 χ^2/NDF:1658249.8/20

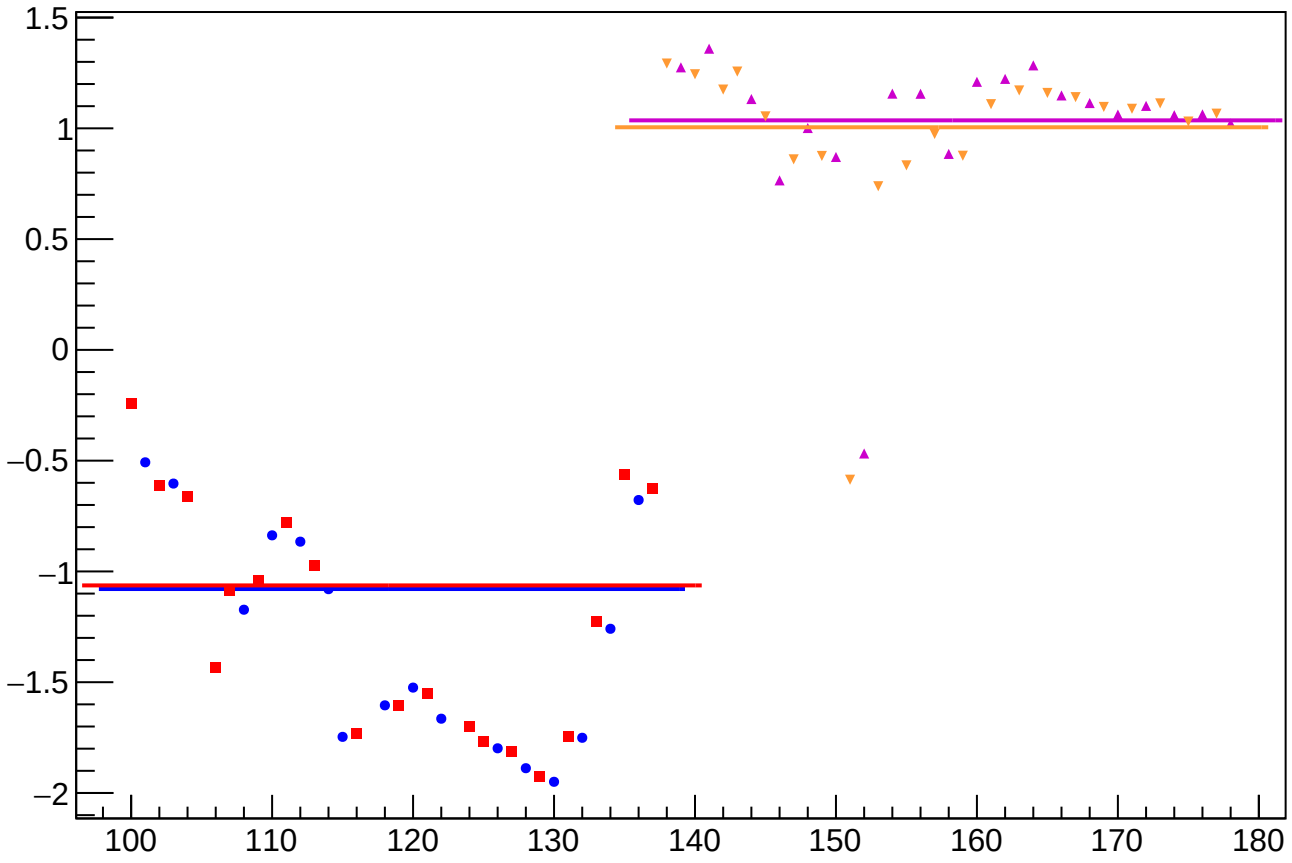
Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.010+/-0.000 χ^2/NDF:1704172.2/19

+ sign 0.011+/-0.000 χ^2/NDF: 2710545.6/36

All: 0.011+/-0.000 χ^2/NDF: 5403688.1/75

- sign 0.011+/-0.000 χ^2/NDF: 2693139.7/38



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 1.005+/-0.000 χ^2/NDF:110817290251.9/20

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

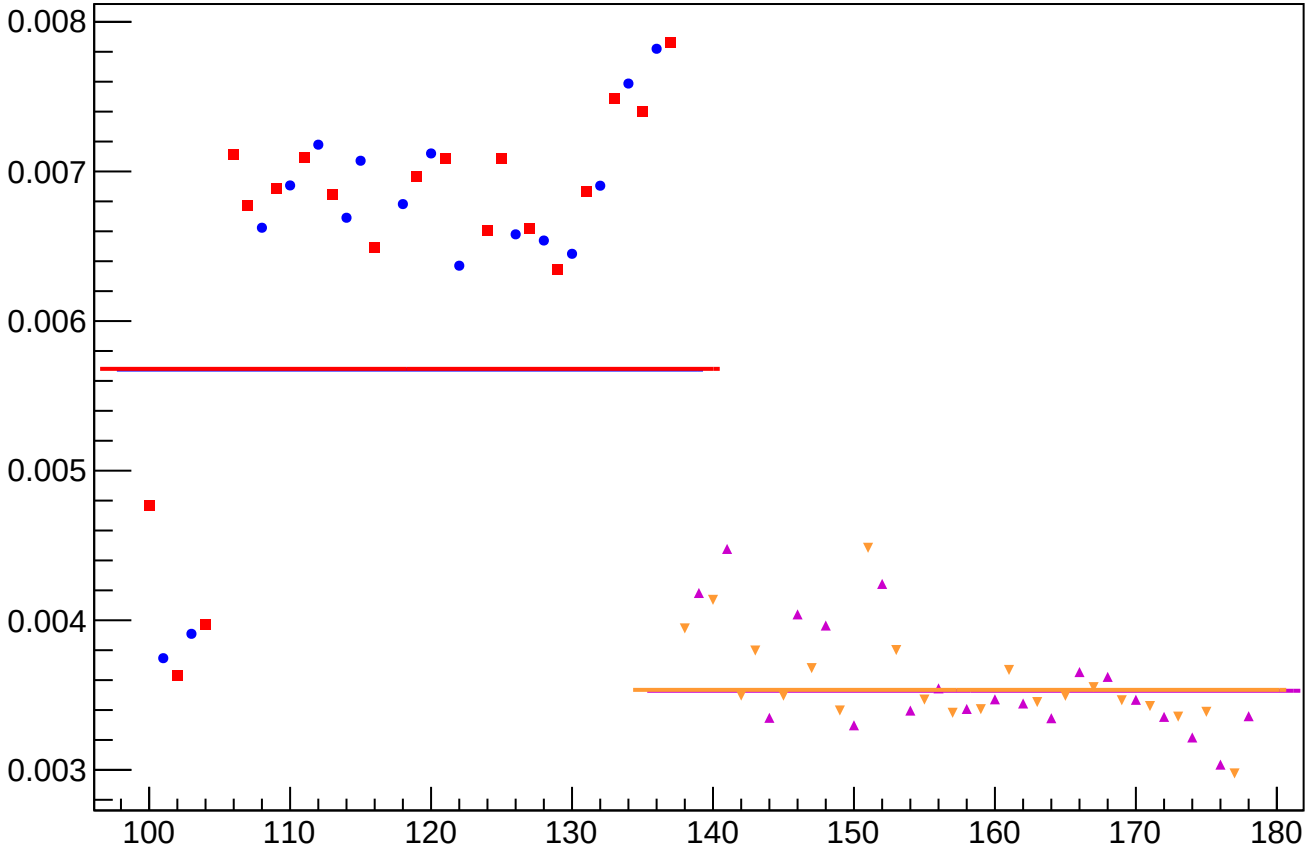
Left In: 1.036+/-0.000 χ^2/NDF:125274608213.4/19

+ sign 0.712+/-0.000 χ^2/NDF: 908442870788.7/36

All: 0.722+/-0.000 χ^2/NDF: 1837188788312.

- sign 0.733+/-0.000 χ^2/NDF: 928446445508.1/38

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:201084.6/20

Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

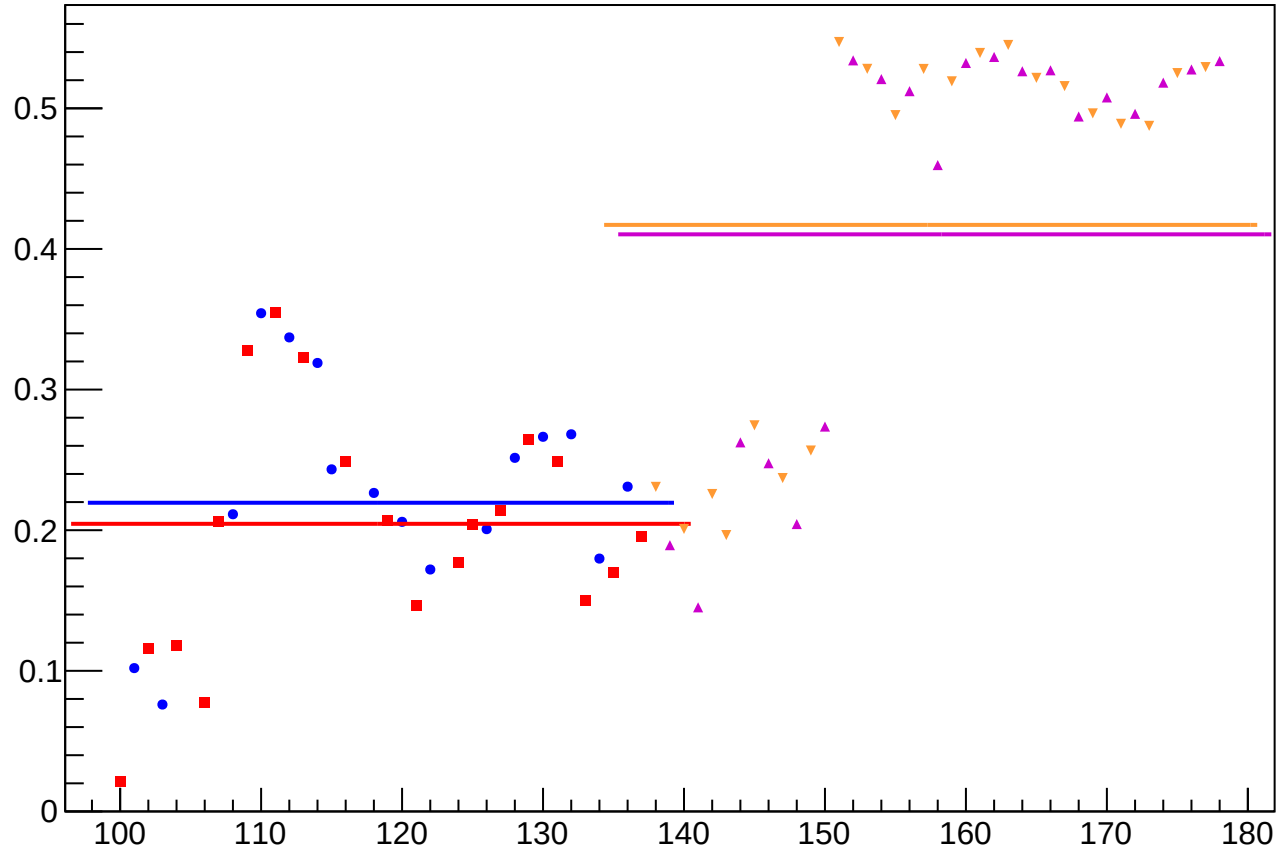
Left In: 0.004+/-0.000 χ^2/NDF:276181.8/19

+ sign 0.004+/-0.000 χ^2/NDF: 2703397.5/36

All: 0.004+/-0.000 χ^2/NDF: 5543177.1/75

- sign 0.004+/-0.000 χ^2/NDF: 2839756.4/38

yield_bpm2i01X_mean vs Slug



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.417+/-0.000 χ^2/NDF:145897235558.3/20

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

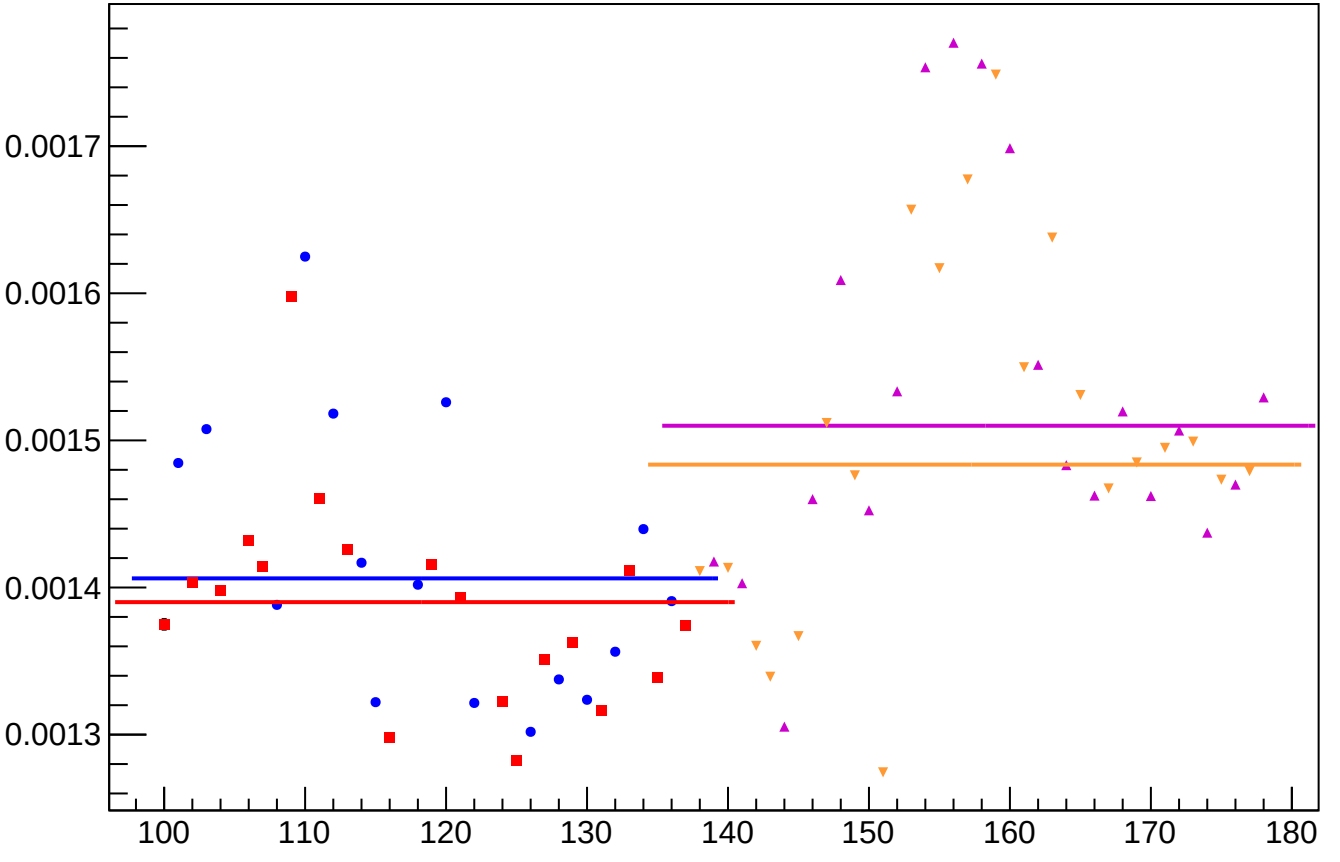
Left In: 0.410+/-0.000 χ^2/NDF:146938491322.8/19

+ sign 0.354+/-0.000 χ^2/NDF: 255777076880.6/36

All: 0.346+/-0.000 χ^2/NDF: 530717665759.8

- sign 0.338+/-0.000 χ^2/NDF: 273590629409.8/38

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:201165.3/20

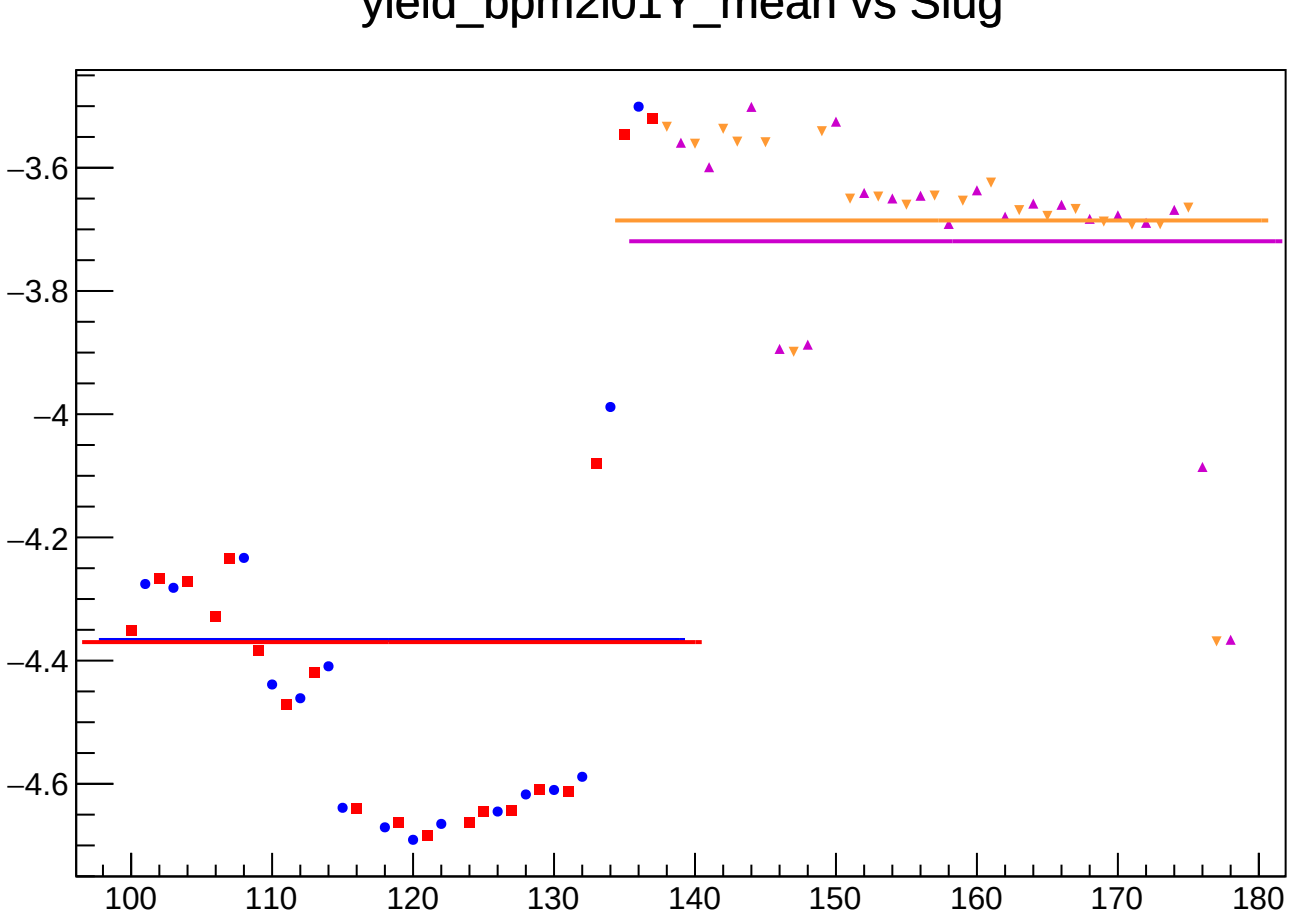
Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.002+/-0.000 χ^2/NDF:204781.4/19

+ sign 0.001+/-0.000 χ^2/NDF: 277898.6/36

All: 0.001+/-0.000 χ^2/NDF: 589165.6/75

- sign 0.001+/-0.000 χ^2/NDF: 310369.8/38



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.686+/-0.000 χ^2/NDF:182072722081.7/20

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

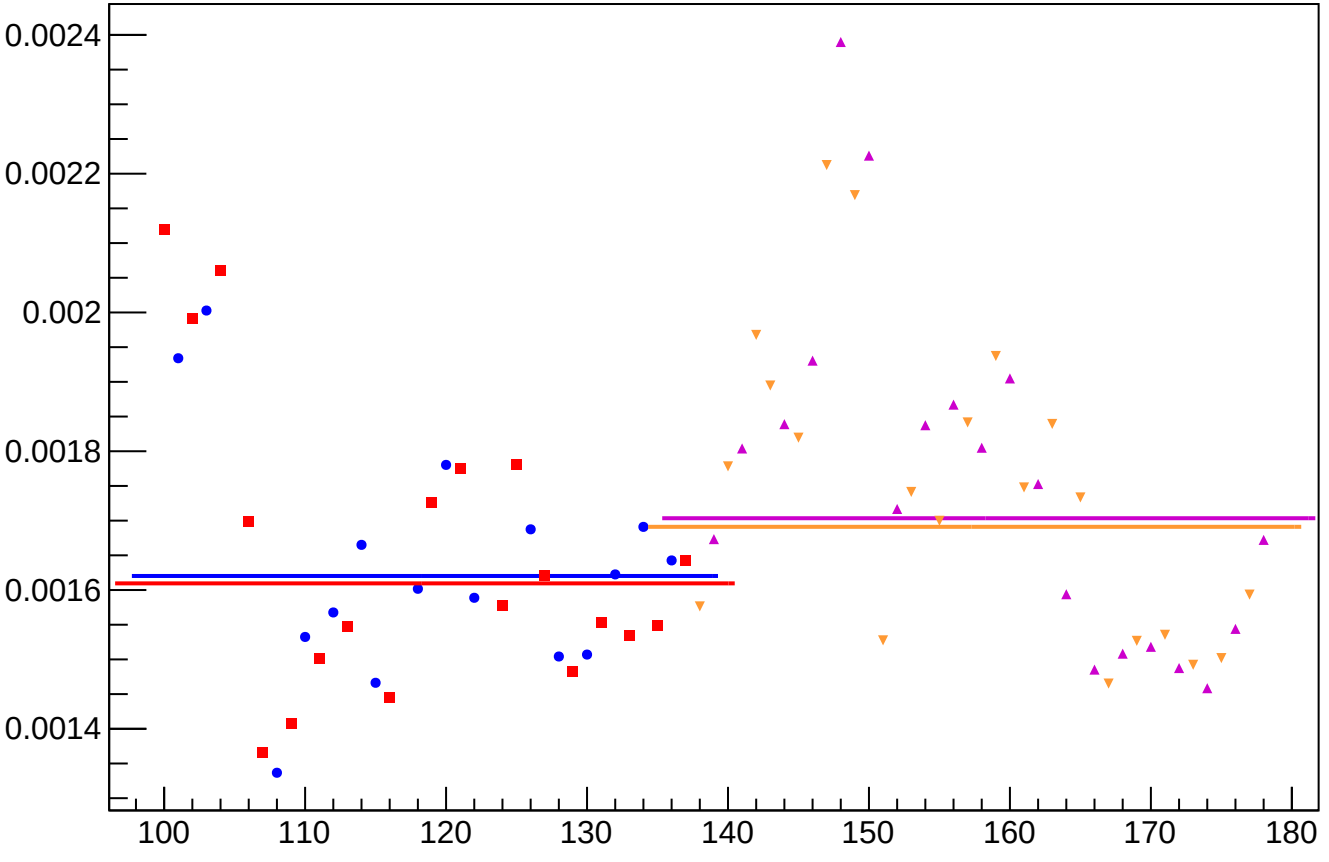
Left In: -3.719+/-0.000 χ^2/NDF:207626035223.9/19

+ sign -3.903+/-0.000 χ^2/NDF: 1361877870645.8/3

All: -3.921+/-0.000 χ^2/NDF: 2641849430270

- sign -3.939+/-0.000 χ^2/NDF: 1274711278184.8/38

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:424177.2/20

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

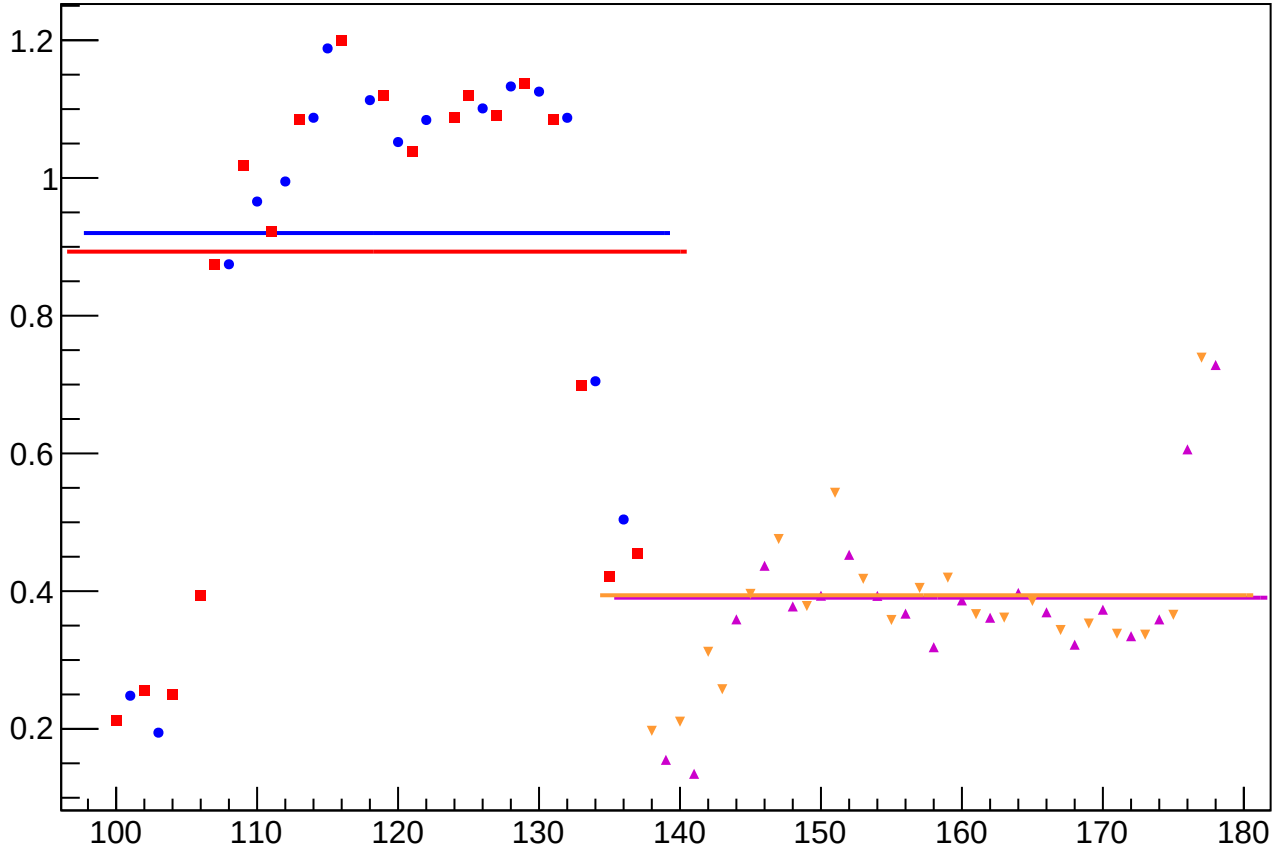
Left In: 0.002+/-0.000 χ^2/NDF:492017.8/19

+ sign 0.002+/-0.000 χ^2/NDF: 582284.7/36

All: 0.002+/-0.000 χ^2/NDF: 1291464.5/75

- sign 0.002+/-0.000 χ^2/NDF: 709089.0/38

yield_bpm2i02X_mean vs Slug



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.394+/-0.000 χ^2/NDF:4490566214.9/20

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

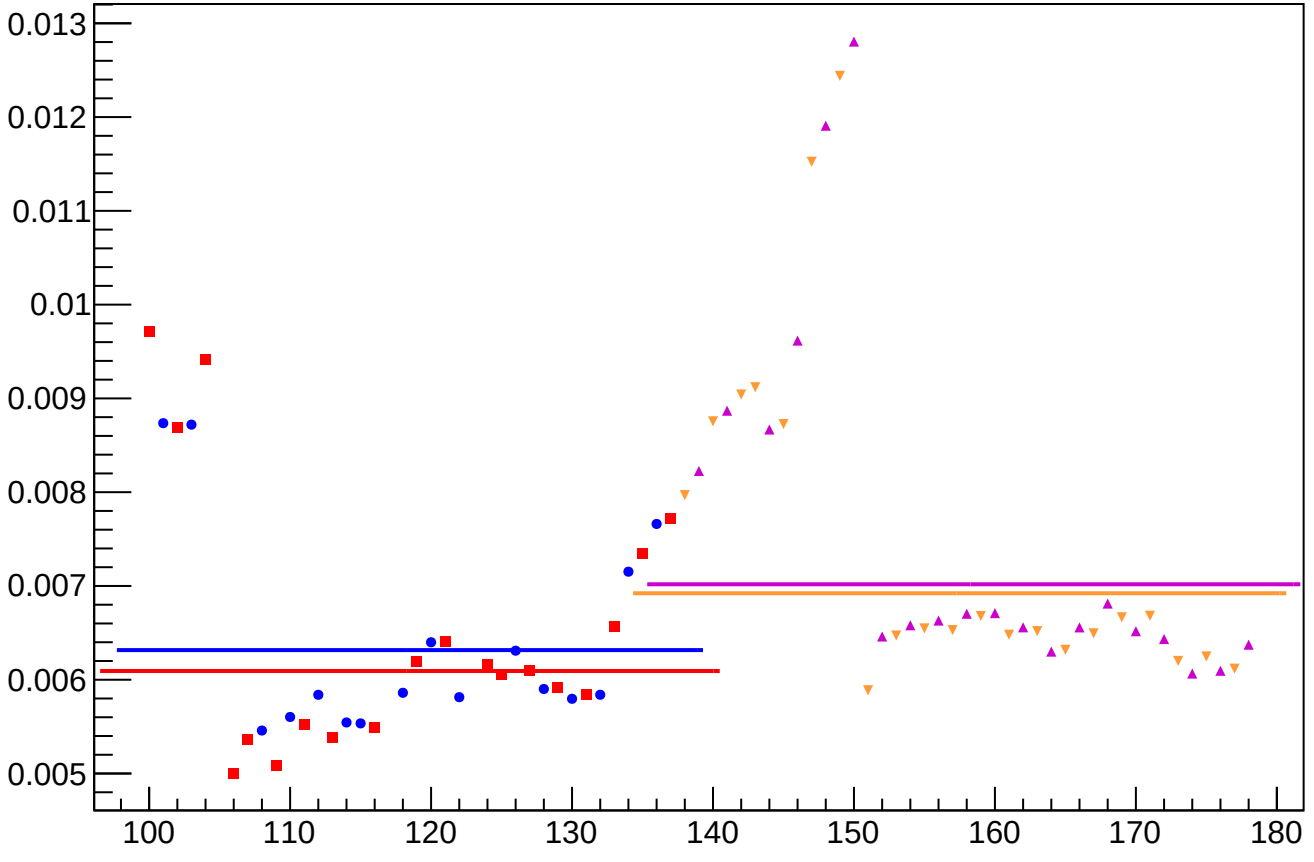
Left In: 0.391+/-0.000 χ^2/NDF:4921038610.0/19

+ sign 0.575+/-0.000 χ^2/NDF: 50923697073.2/36

All: 0.578+/-0.000 χ^2/NDF: 104074834745.2

- sign 0.582+/-0.000 χ^2/NDF: 53141139813.6/38

yield_bpm2i02X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 335709.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:1076960.4/20

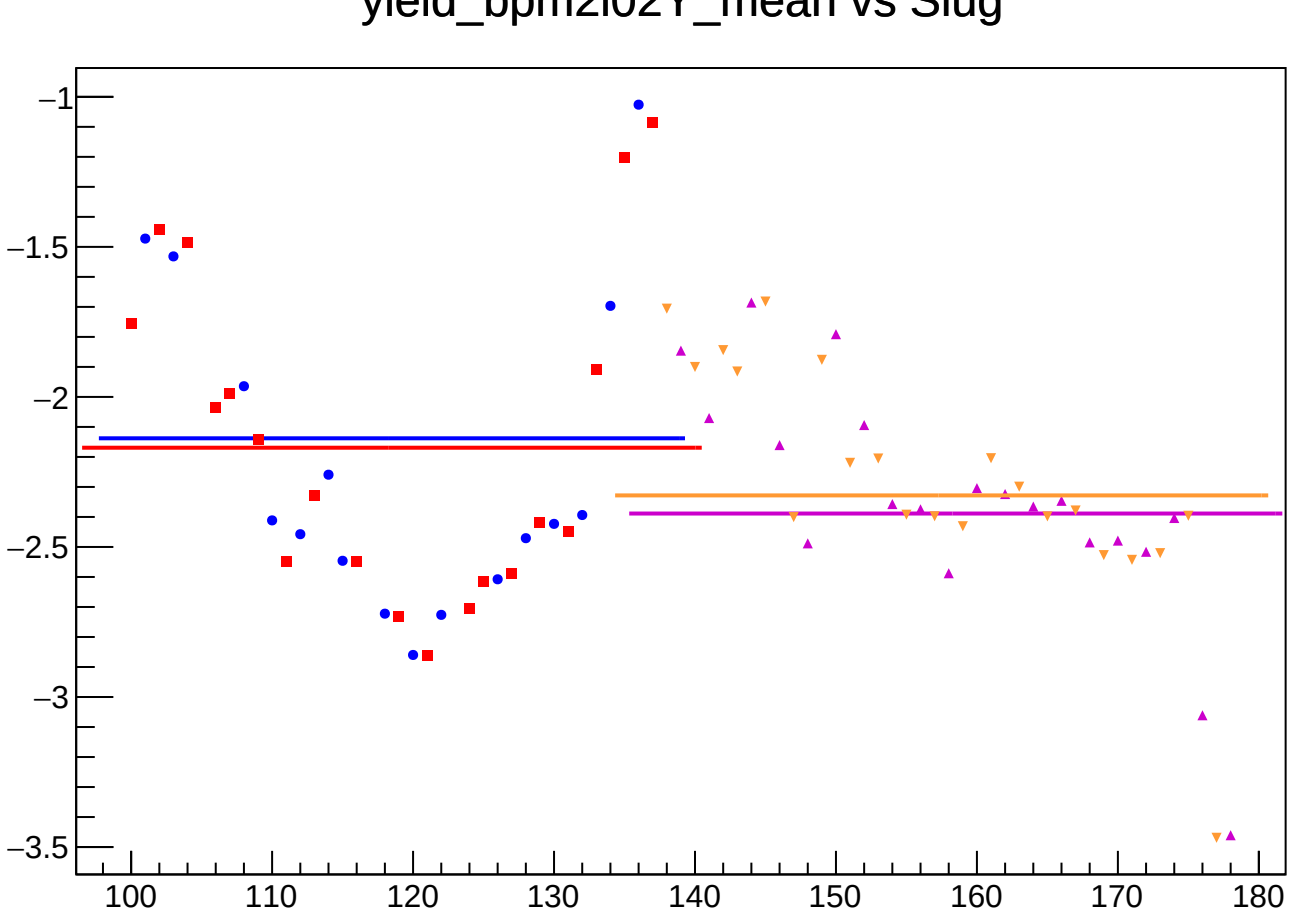
Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.007+/-0.000 χ^2/NDF:1127513.4/19

+ sign 0.007+/-0.000 χ^2/NDF: 1497310.7/36

All: 0.007+/-0.000 χ^2/NDF: 3268966.3/75

- sign 0.007+/-0.000 χ^2/NDF: 1770523.8/38



Right In: -2.138+/-0.000 χ^2/NDF: 65666622158.4/15

Left Out: -2.328+/-0.000 χ^2/NDF:53357658997.7/20

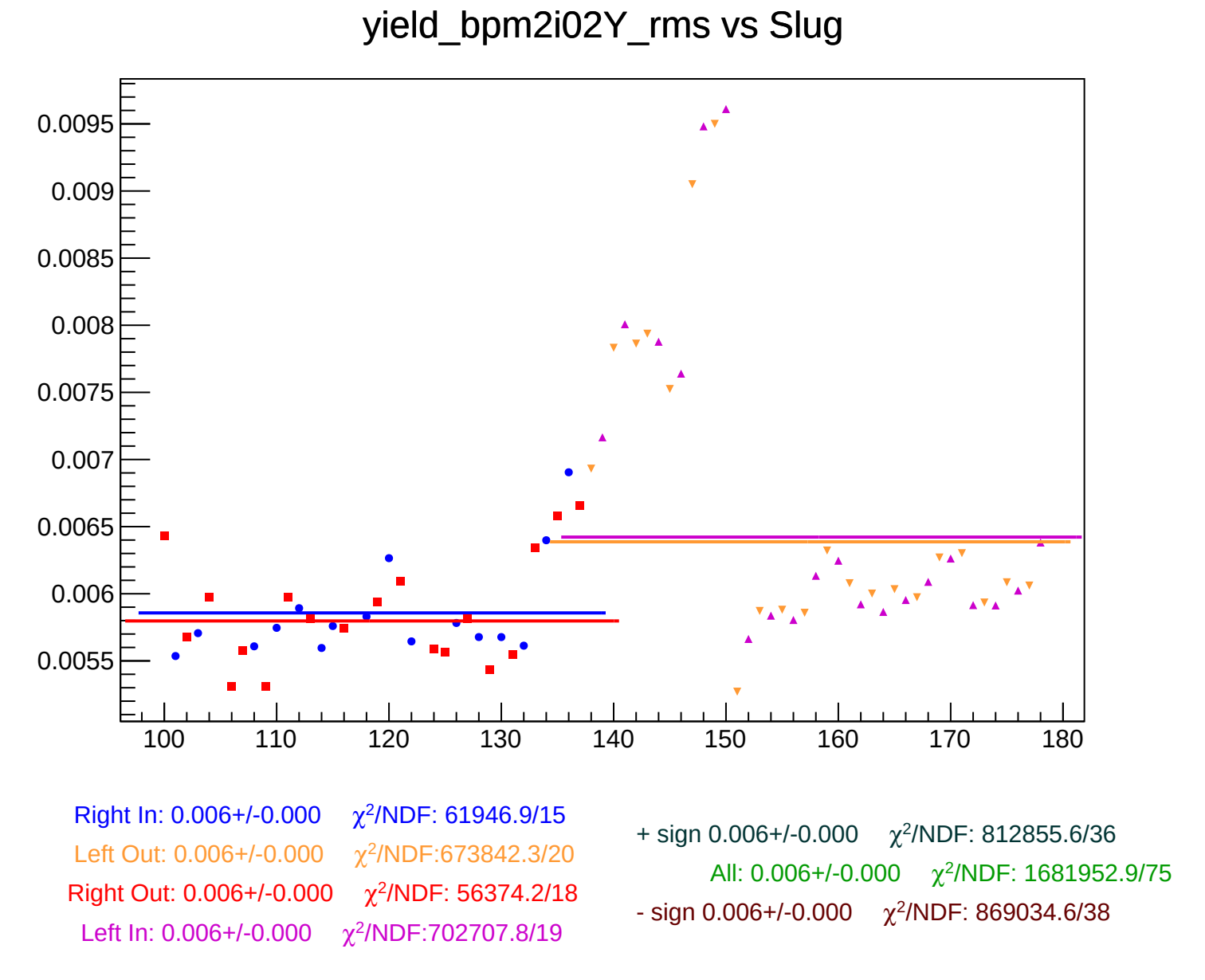
Right Out: -2.169+/-0.000 χ^2/NDF: 57409196879.6/18

Left In: -2.389+/-0.000 χ^2/NDF:52939427082.7/19

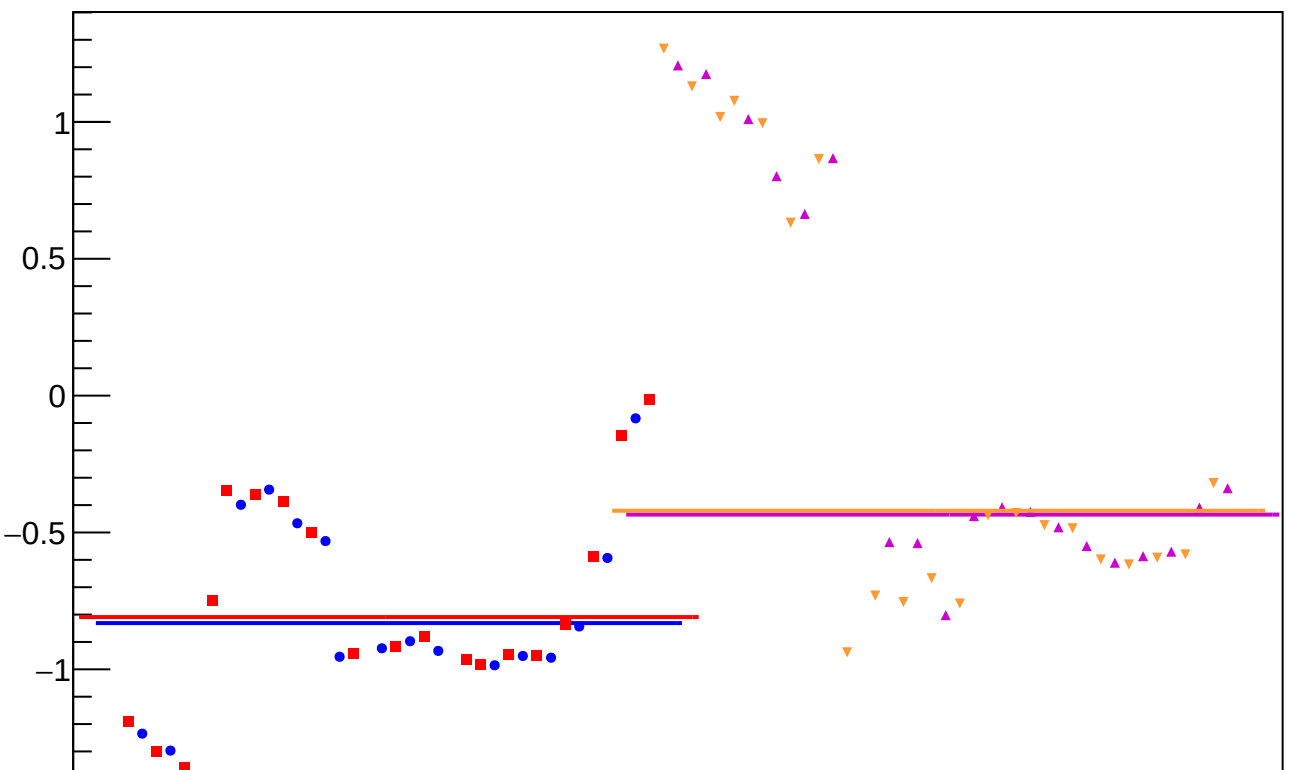
+ sign -2.263+/-0.000 χ^2/NDF: 123998639376.7/36

All: -2.286+/-0.000 χ^2/NDF: 241771279261.0

- sign -2.309+/-0.000 χ^2/NDF: 117128544784.0/38


yield_bpm2i02Y_rms vs Slug
0.0095
0.009
0.0085
0.008
0.0075
0.007
0.0065
0.006
0.0055
100
110
120
130
140
150
160
170
180
Right In: 0.006+/-0.000 χ²/NDF: 61946.9/15
Left Out: 0.006+/-0.000 χ²/NDF:673842.3/20
Right Out: 0.006+/-0.000 χ²/NDF: 56374.2/18
Left In: 0.006+/-0.000 χ²/NDF:702707.8/19
+ sign 0.006+/-0.000 χ²/NDF: 812855.6/36
All: 0.006+/-0.000 χ²/NDF: 1681952.9/75
- sign 0.006+/-0.000 χ²/NDF: 869034.6/38

yield_bpm0i01X_mean vs Slug



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: -0.421+/-0.000 χ^2/NDF:81206131510.3/20

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

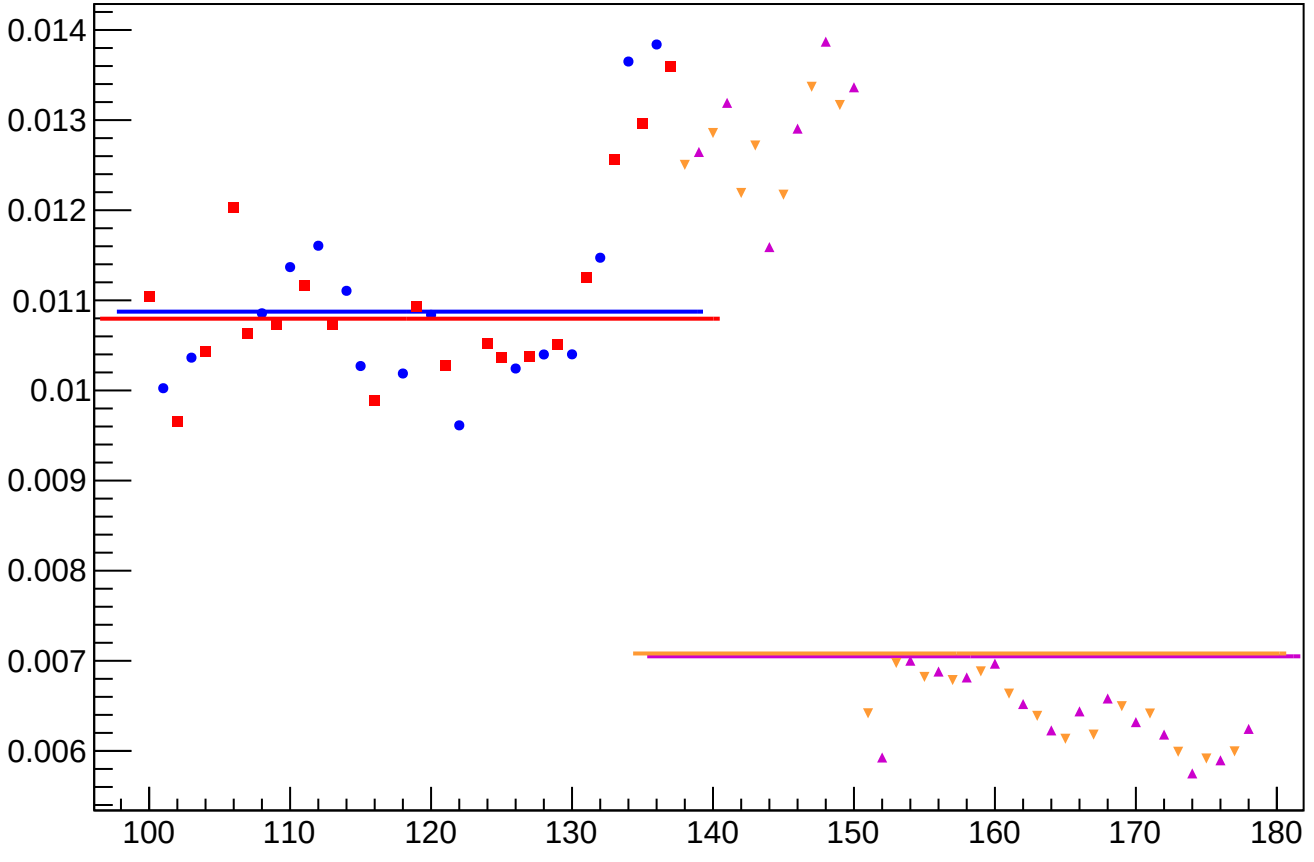
Left In: -0.435+/-0.000 χ^2/NDF:89808386377.3/19

+ sign -0.488+/-0.000 χ^2/NDF: 96691319416.0/36

All: -0.494+/-0.000 χ^2/NDF: 201863360641.8

- sign -0.499+/-0.000 χ^2/NDF: 105150767273.8/38

yield_bpm0i01X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 157612.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:2379501.9/20

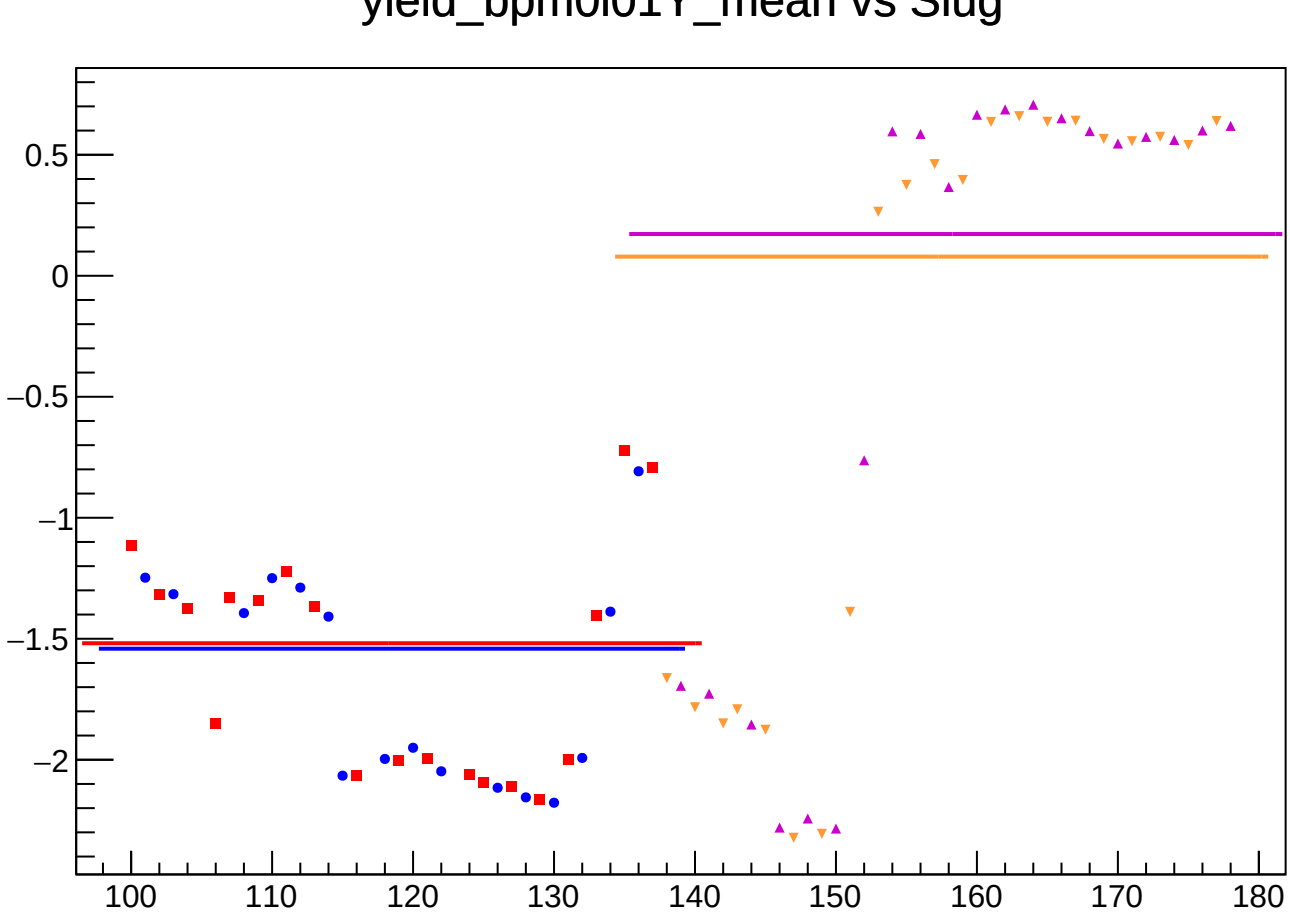
Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.007+/-0.000 χ^2/NDF:2443711.8/19

+ sign 0.008+/-0.000 χ^2/NDF: 3967102.0/36

All: 0.008+/-0.000 χ^2/NDF: 7951002.5/75

- sign 0.008+/-0.000 χ^2/NDF: 3983850.1/38



Right In: -1.541+/-0.000 χ^2/NDF: 162409397922.2/15

Left Out: 0.079+/-0.000 χ^2/NDF:2299509952107.1/20

Right Out: -1.519+/-0.000 χ^2/NDF: 145077318641.2/18

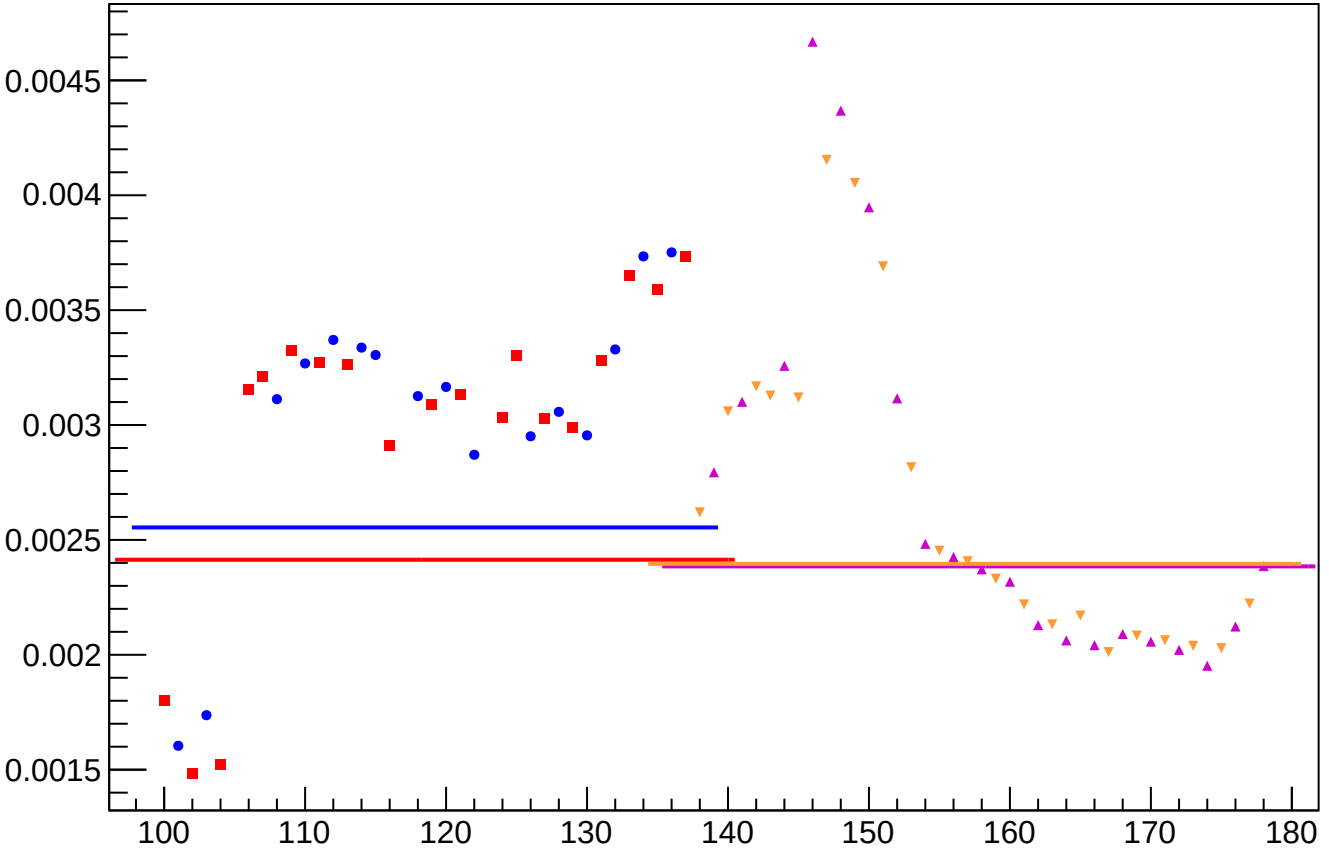
Left In: 0.173+/-0.000 χ^2/NDF:2071106756801.6/19

+ sign -0.356+/-0.000 χ^2/NDF: 4244685058536.2/3

All: -0.338+/-0.000 χ^2/NDF: 8525612480012

- sign -0.319+/-0.000 χ^2/NDF: 4278590371745.1/38

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 1172434.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1205669.3/20

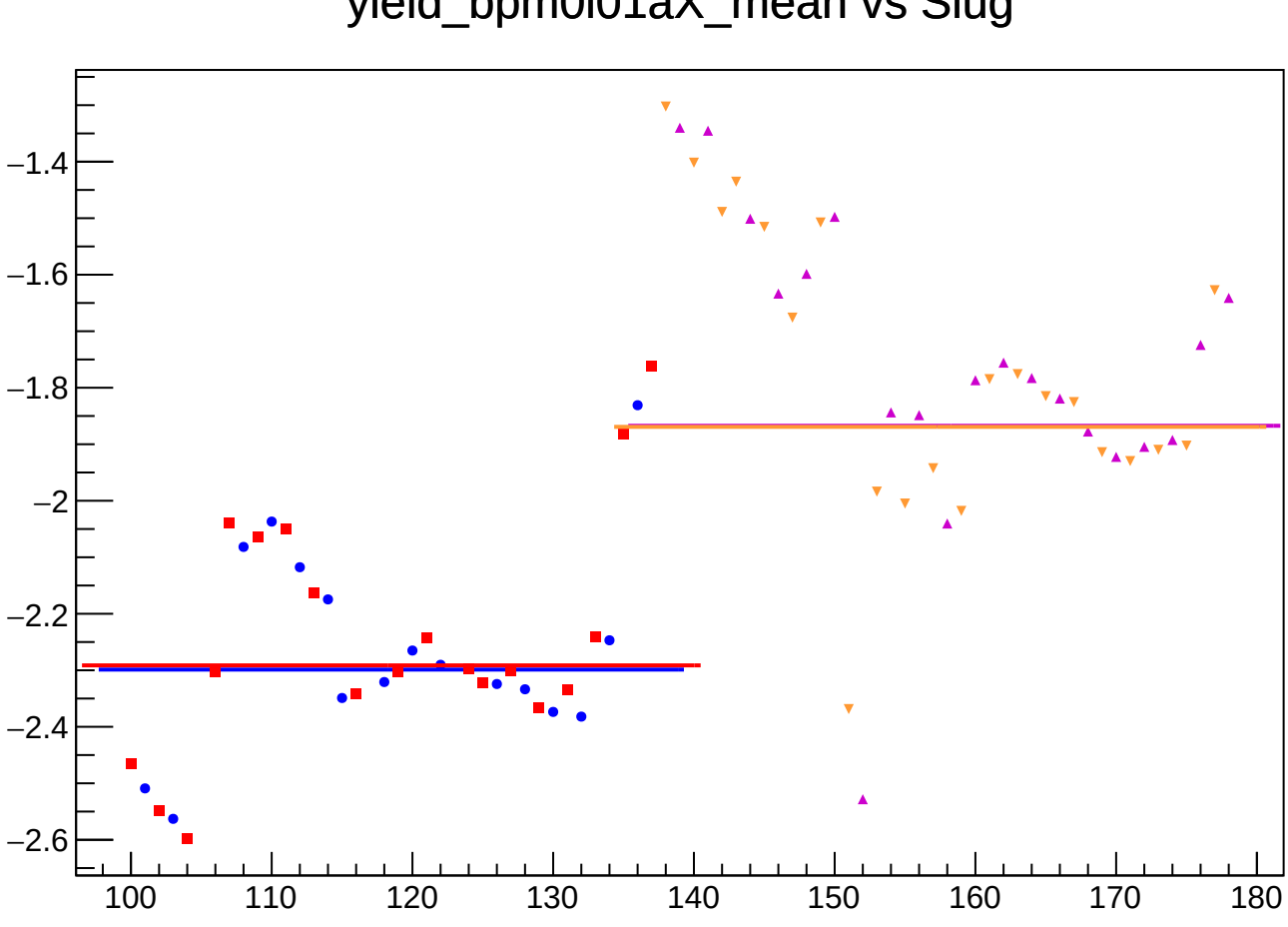
Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.002+/-0.000 χ^2/NDF:1399533.1/19

+ sign 0.002+/-0.000 χ^2/NDF: 2412142.4/36

All: 0.002+/-0.000 χ^2/NDF: 5366838.1/75

- sign 0.002+/-0.000 χ^2/NDF: 2947575.9/38



Right In: -2.299+/-0.000 χ^2/NDF: 6129071089.8/15

Left Out: -1.869+/-0.000 χ^2/NDF:31393855533.5/20

Right Out: -2.291+/-0.000 χ^2/NDF: 6831007568.9/18

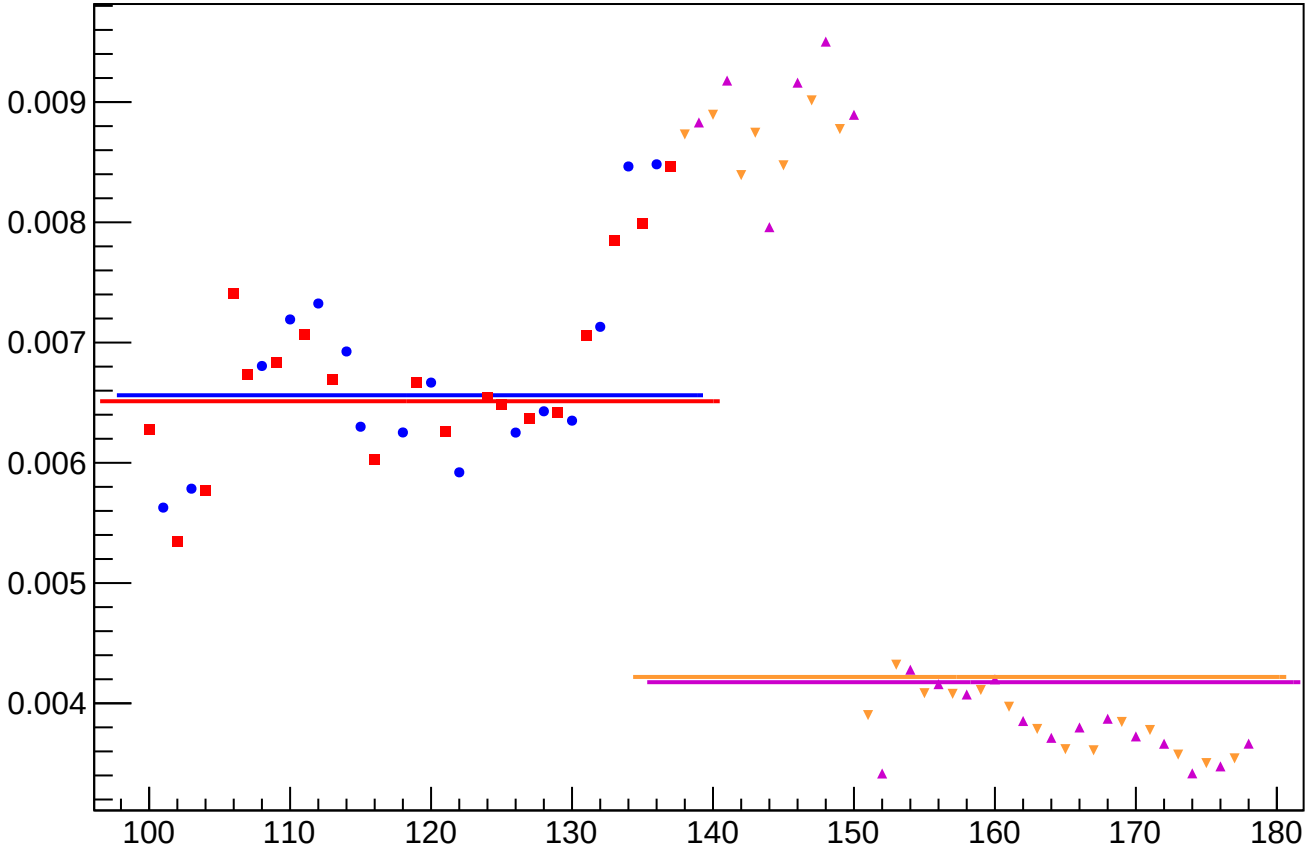
Left In: -1.867+/-0.000 χ^2/NDF:48059330129.2/19

+ sign -1.940+/-0.000 χ^2/NDF: 62301192268.7/36

All: -1.940+/-0.000 χ^2/NDF: 142162460860.9

- sign -1.940+/-0.000 χ^2/NDF: 79861213661.2/38

yield_bpm0i01aX_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 221890.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:3083007.9/20

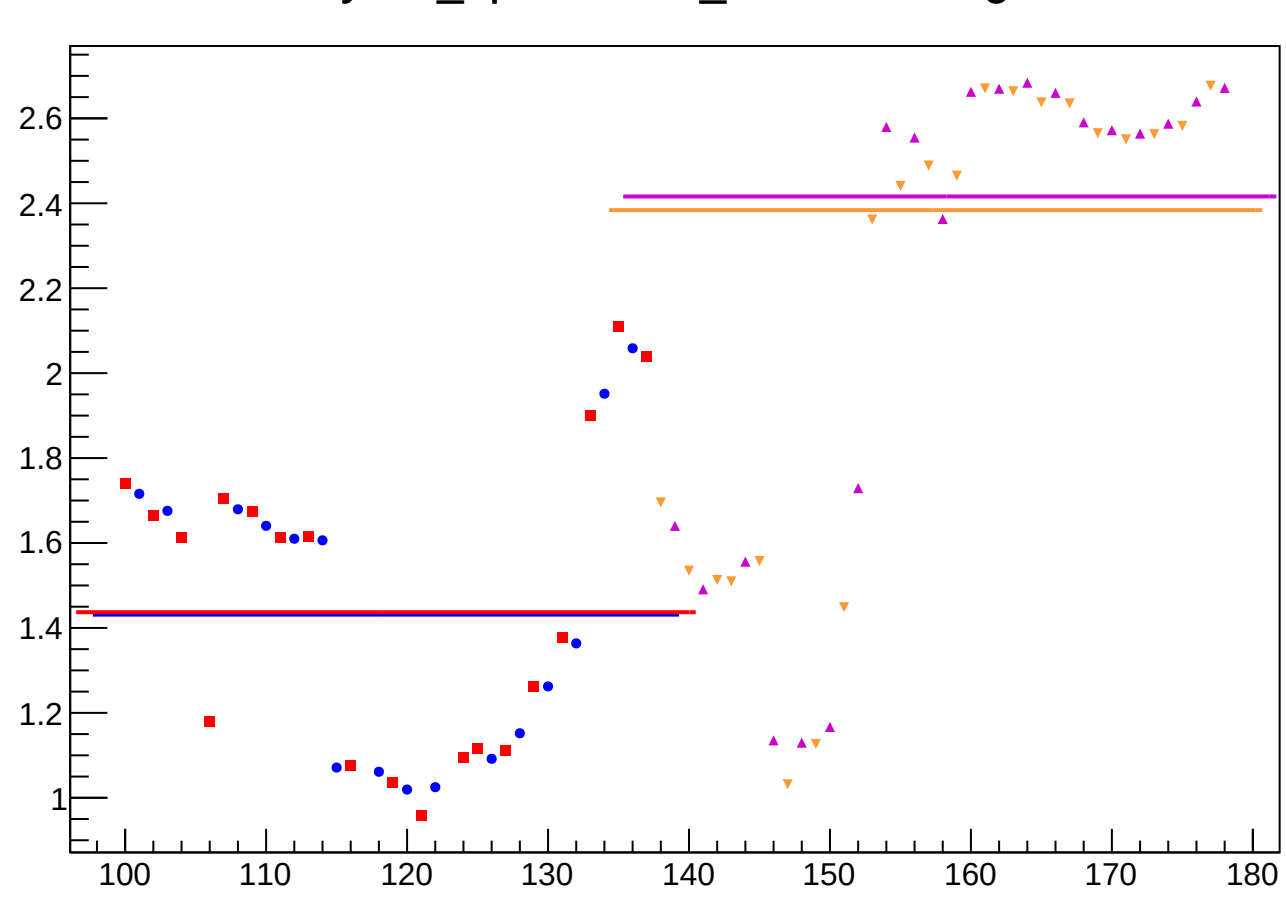
Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

Left In: 0.004+/-0.000 χ^2/NDF:3174500.3/19

+ sign 0.005+/-0.000 χ^2/NDF: 4778852.0/36

All: 0.005+/-0.000 χ^2/NDF: 9655658.2/75

- sign 0.005+/-0.000 χ^2/NDF: 4875875.9/38



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 2.384+/-0.000 χ^2/NDF:231968982330.4/20

Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

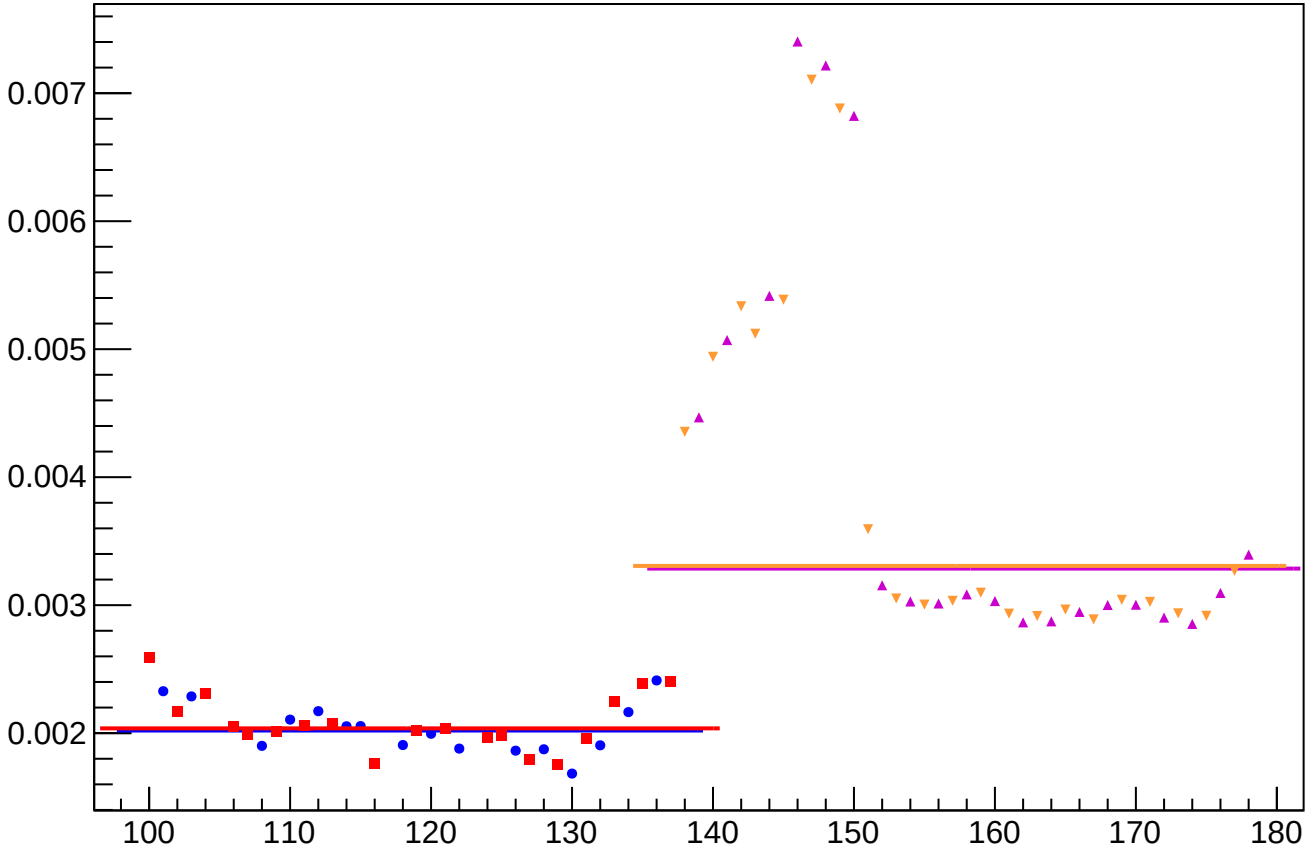
Left In: 2.416+/-0.000 χ^2/NDF:223684772361.3/19

+ sign 1.864+/-0.000 χ^2/NDF: 1091697063217.9/36

All: 1.871+/-0.000 χ^2/NDF: 2200828684221.

- sign 1.877+/-0.000 χ^2/NDF: 1108882267357.0/38

yield_bpm0i01aY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 154923.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:1767673.9/20

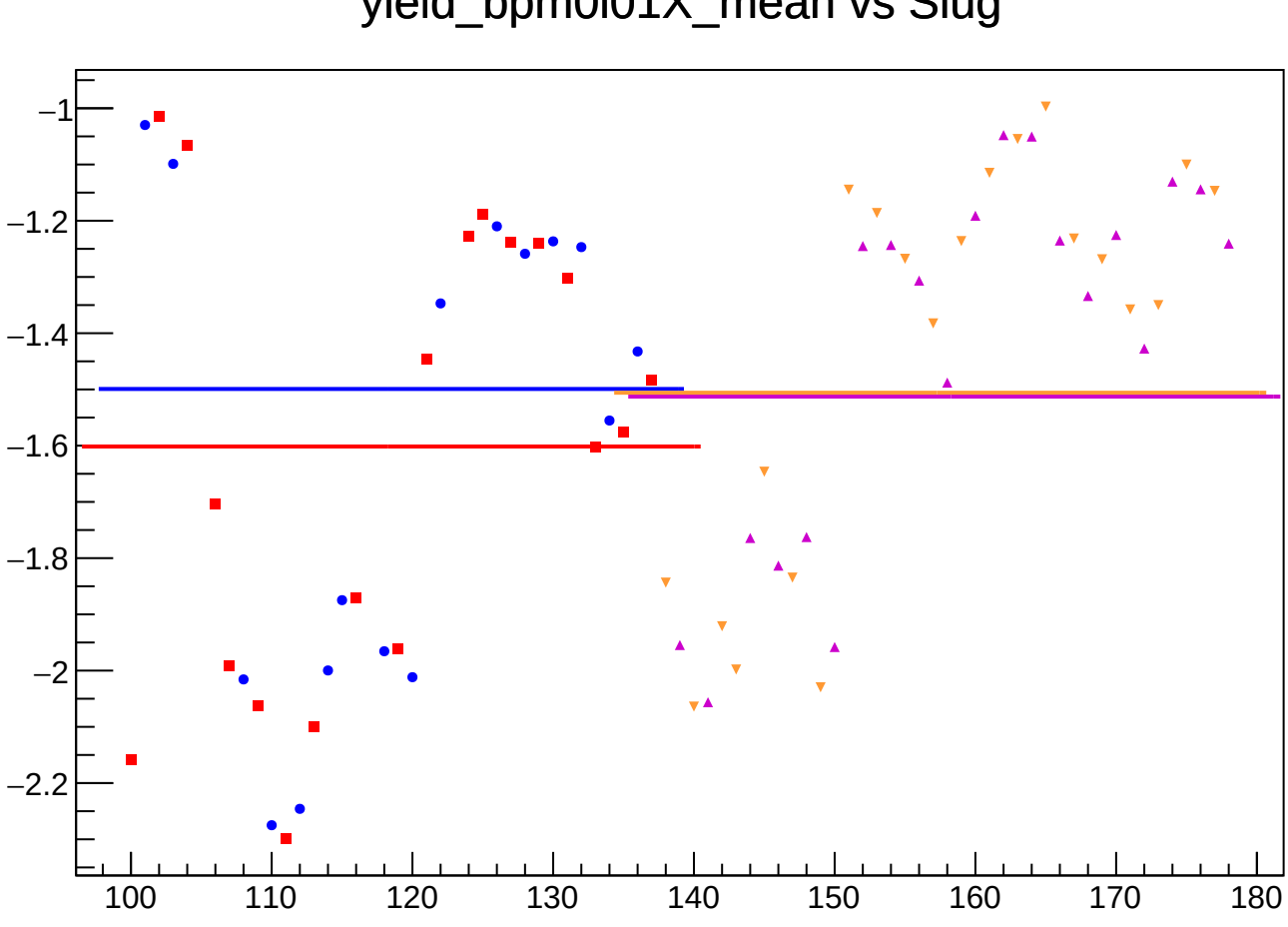
Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.003+/-0.000 χ^2/NDF:2019482.8/19

+ sign 0.003+/-0.000 χ^2/NDF: 4367022.0/36

All: 0.003+/-0.000 χ^2/NDF: 8786664.2/75

- sign 0.003+/-0.000 χ^2/NDF: 4419522.8/38



Right In: -1.499+/-0.000 χ^2/NDF: 22930357522.2/15

Left Out: -1.506+/-0.000 χ^2/NDF:46596828947.1/20

Right Out: -1.601+/-0.000 χ^2/NDF: 28324914147.6/18

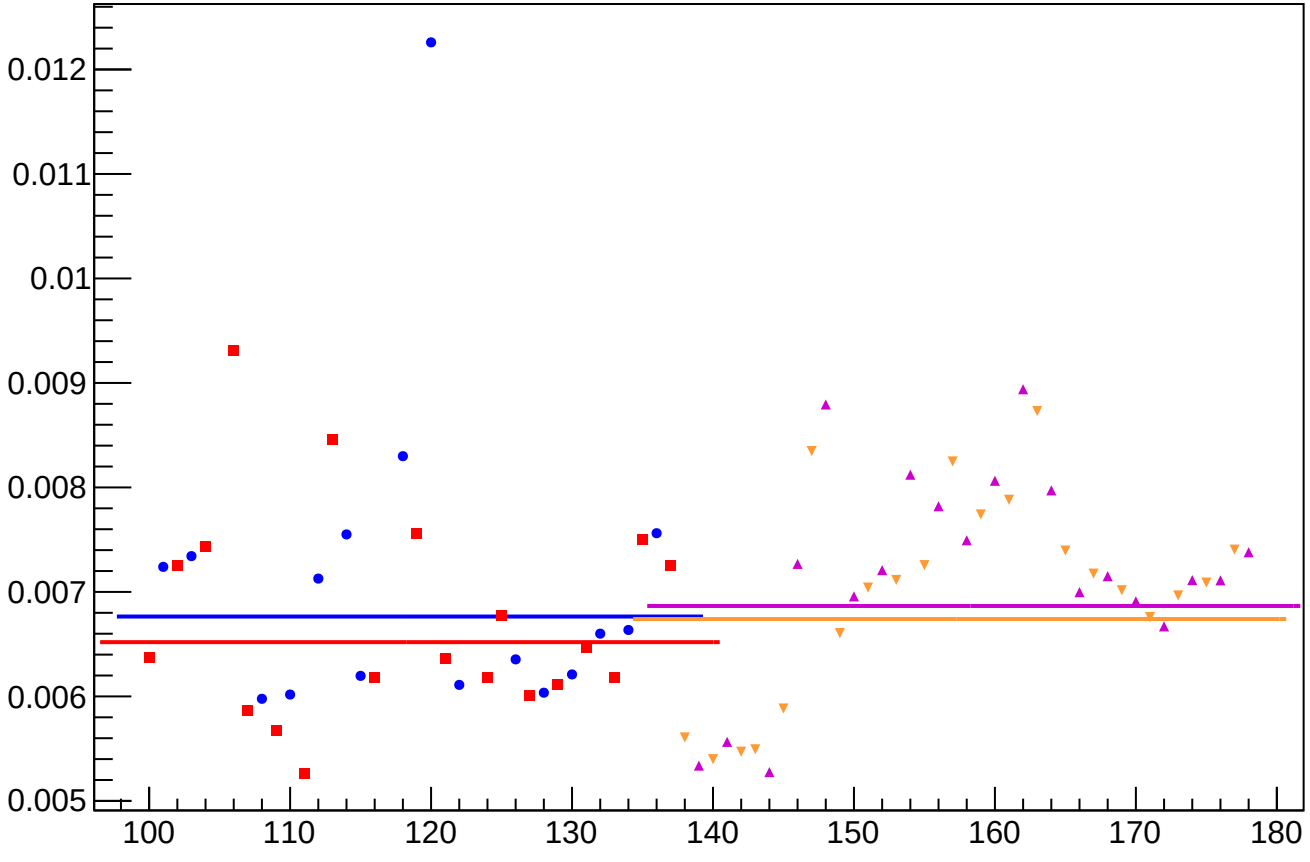
Left In: -1.513+/-0.000 χ^2/NDF:37009998321.2/19

+ sign -1.504+/-0.000 χ^2/NDF: 69531635602.2/36

All: -1.523+/-0.000 χ^2/NDF: 136076837109.9

- sign -1.543+/-0.000 χ^2/NDF: 66184235592.9/38

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 238566.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:619466.3/20

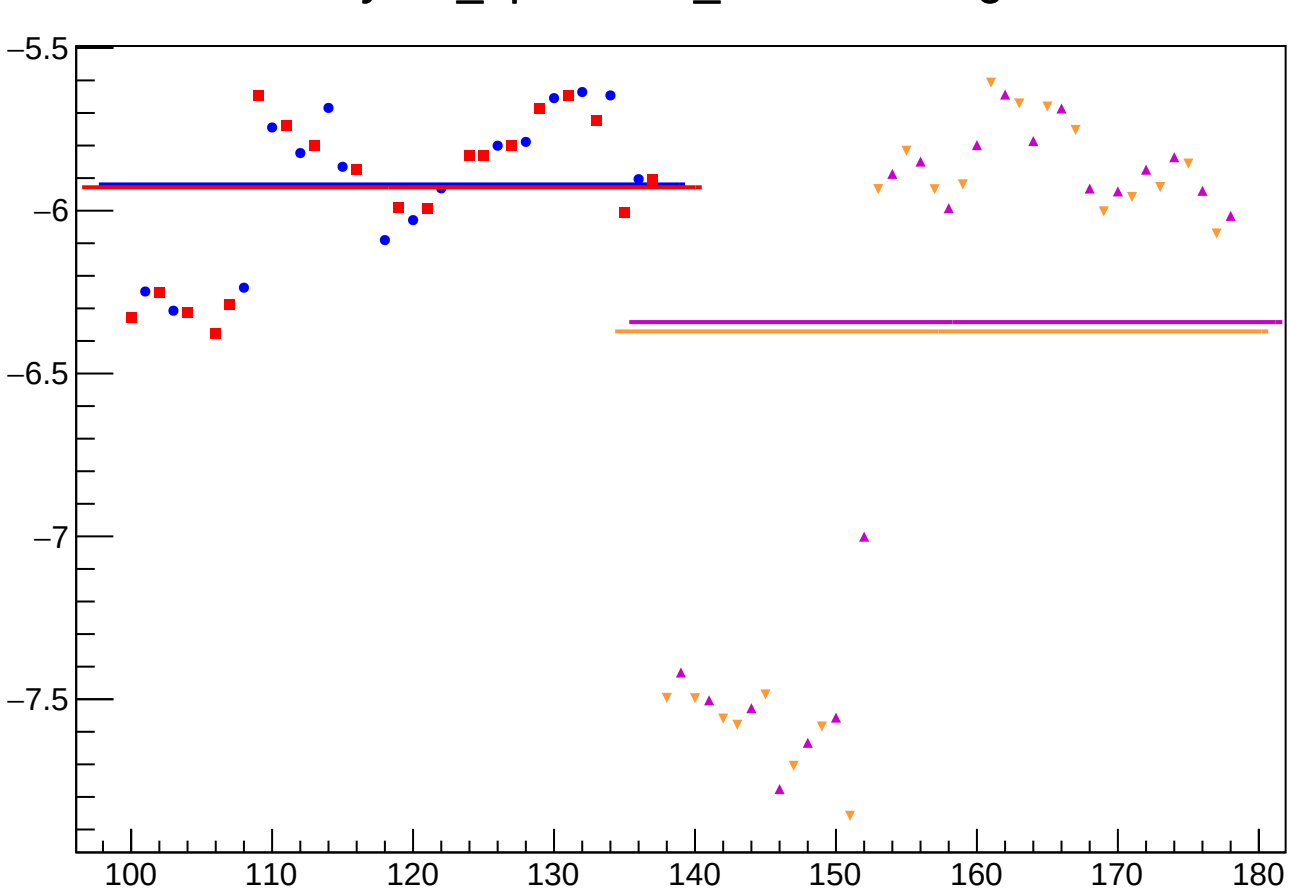
Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.007+/-0.000 χ^2/NDF:692208.7/19

+ sign 0.007+/-0.000 χ^2/NDF: 858146.5/36

All: 0.007+/-0.000 χ^2/NDF: 1821630.5/75

- sign 0.007+/-0.000 χ^2/NDF: 963482.8/38



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -6.371+/-0.000 χ^2/NDF:107861305876.3/20

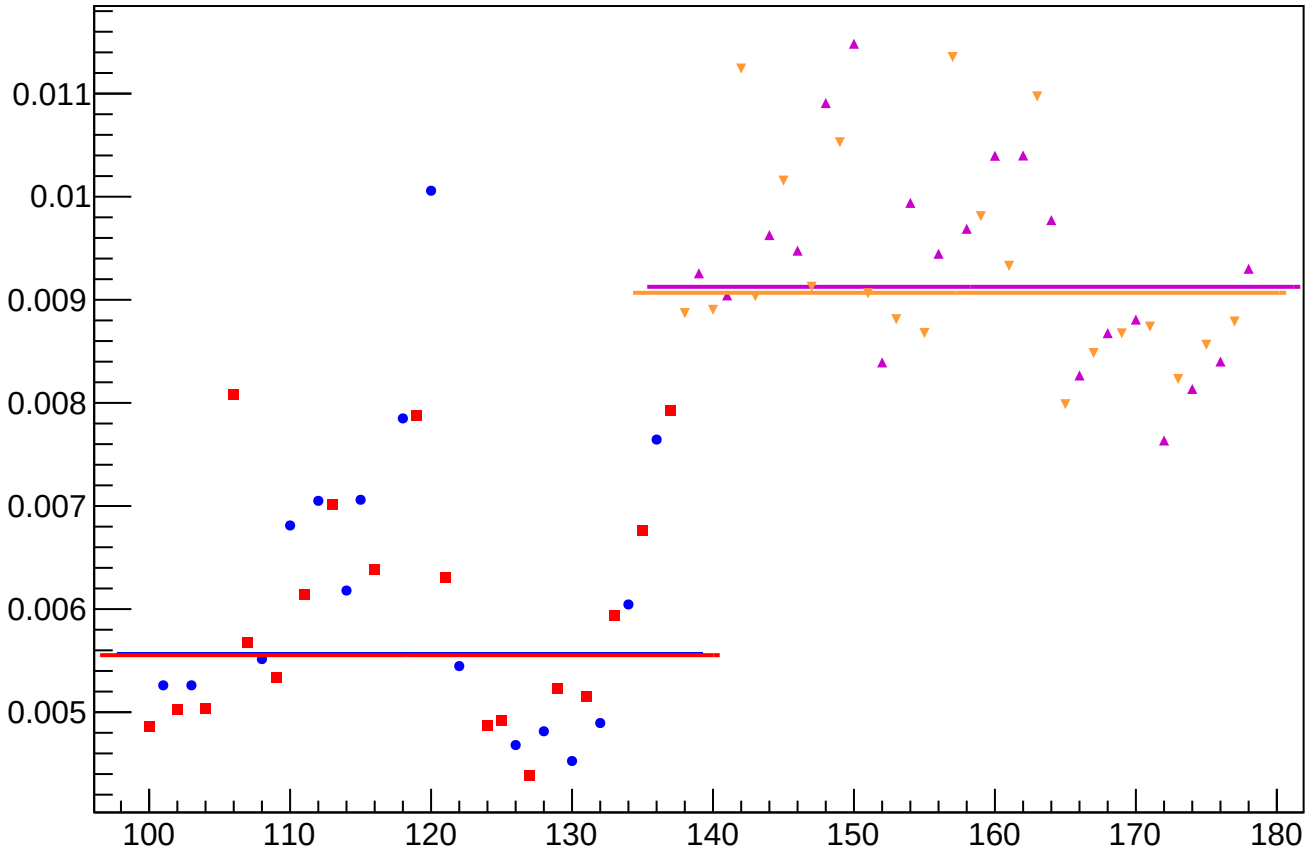
Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

Left In: -6.342+/-0.000 χ^2/NDF:90093453455.0/19

+ sign -6.126+/-0.000 χ^2/NDF: 138102117327.3/36

All: -6.117+/-0.000 χ^2/NDF: 256662633883.8

- sign -6.109+/-0.000 χ^2/NDF: 118505636915.0/38



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:228006.5/20

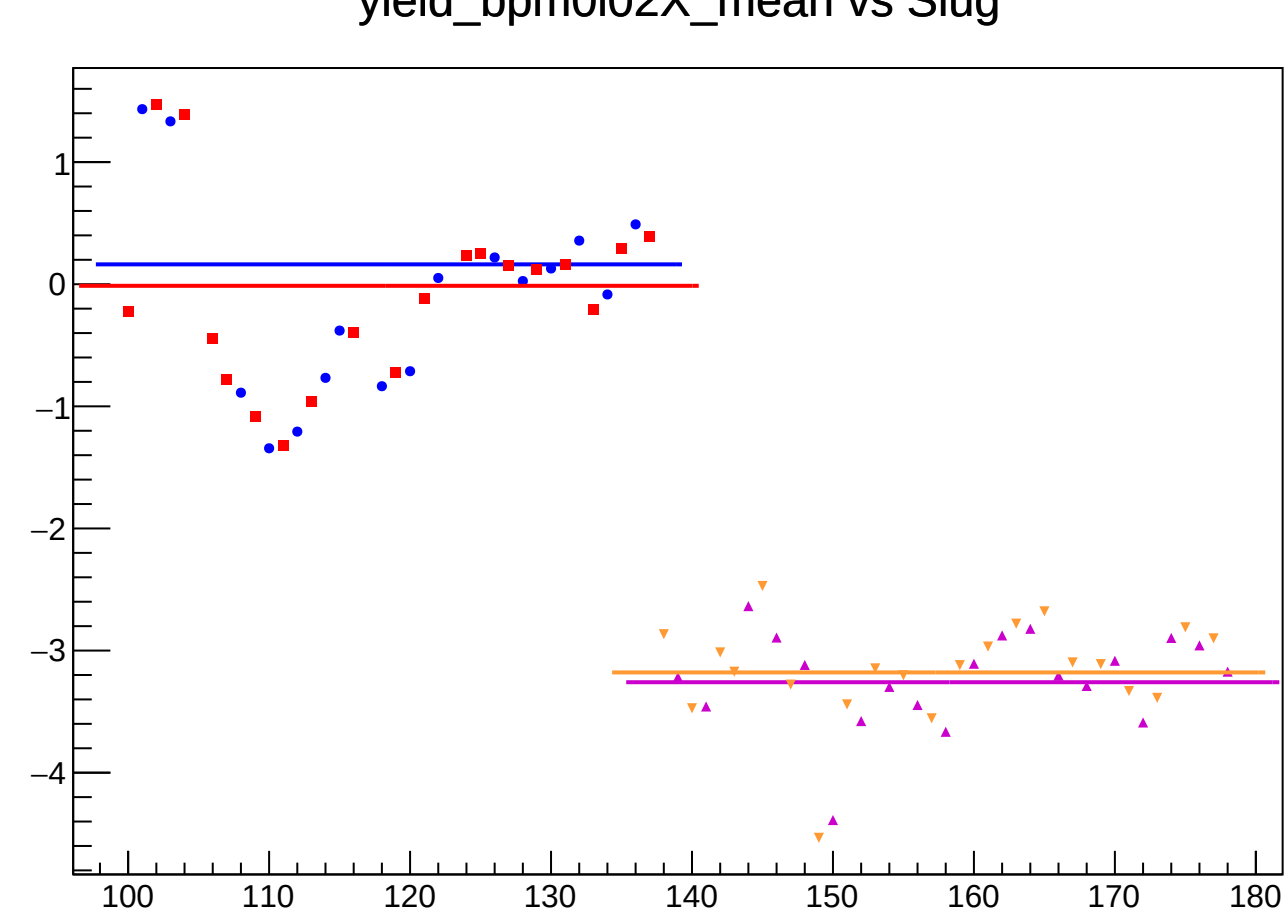
Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.009+/-0.000 χ^2/NDF:284258.9/19

+ sign 0.007+/-0.000 χ^2/NDF: 2952516.7/36

All: 0.007+/-0.000 χ^2/NDF: 5952622.9/75

- sign 0.007+/-0.000 χ^2/NDF: 2998980.6/38



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.179+/-0.000 χ^2/NDF:8940036594.2/20

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

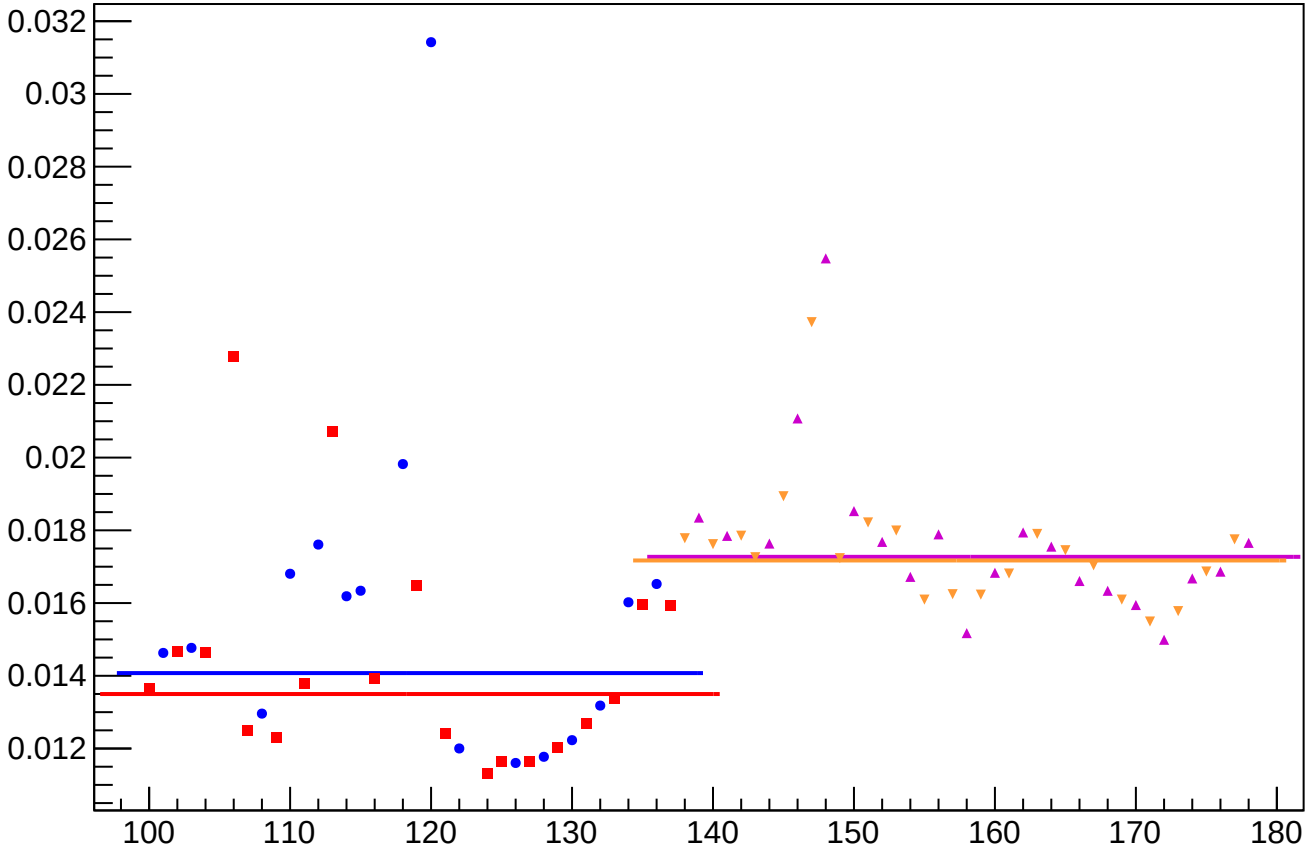
Left In: -3.259+/-0.000 χ^2/NDF:7441288620.4/19

+ sign -1.940+/-0.000 χ^2/NDF: 250514909129.0/36

All: -1.924+/-0.000 χ^2/NDF: 509244928272.0

- sign -1.908+/-0.000 χ^2/NDF: 258687161507.6/38

yield_bpm0l02X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 465421.6/15

Left Out: 0.017+/-0.000 χ^2/NDF:201867.9/20

Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

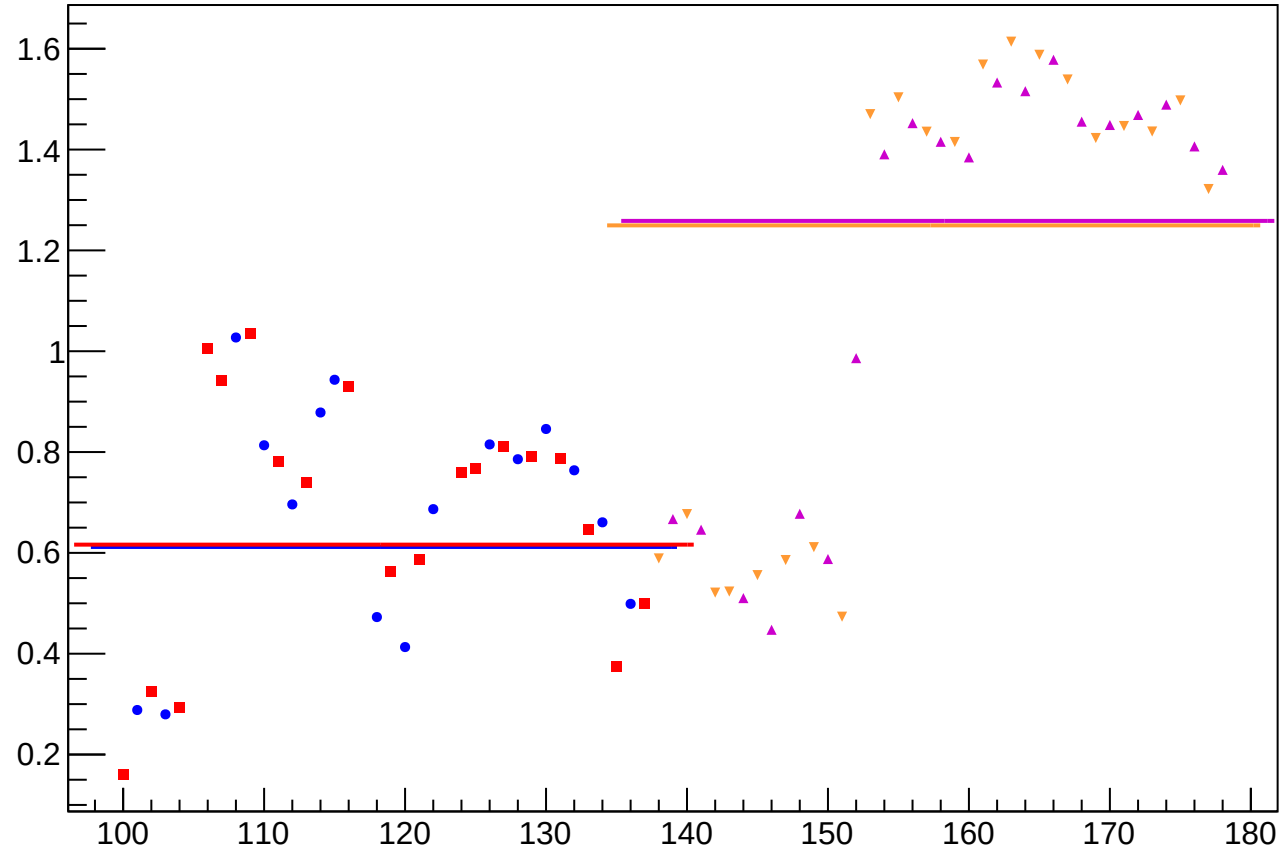
Left In: 0.017+/-0.000 χ^2/NDF:323724.2/19

+ sign 0.016+/-0.000 χ^2/NDF: 1051457.3/36

All: 0.016+/-0.000 χ^2/NDF: 2316968.0/75

- sign 0.016+/-0.000 χ^2/NDF: 1256462.3/38

yield_bpm0l02Y_mean vs Slug



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 1.250+/-0.000 χ^2/NDF:45054945336.2/20

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

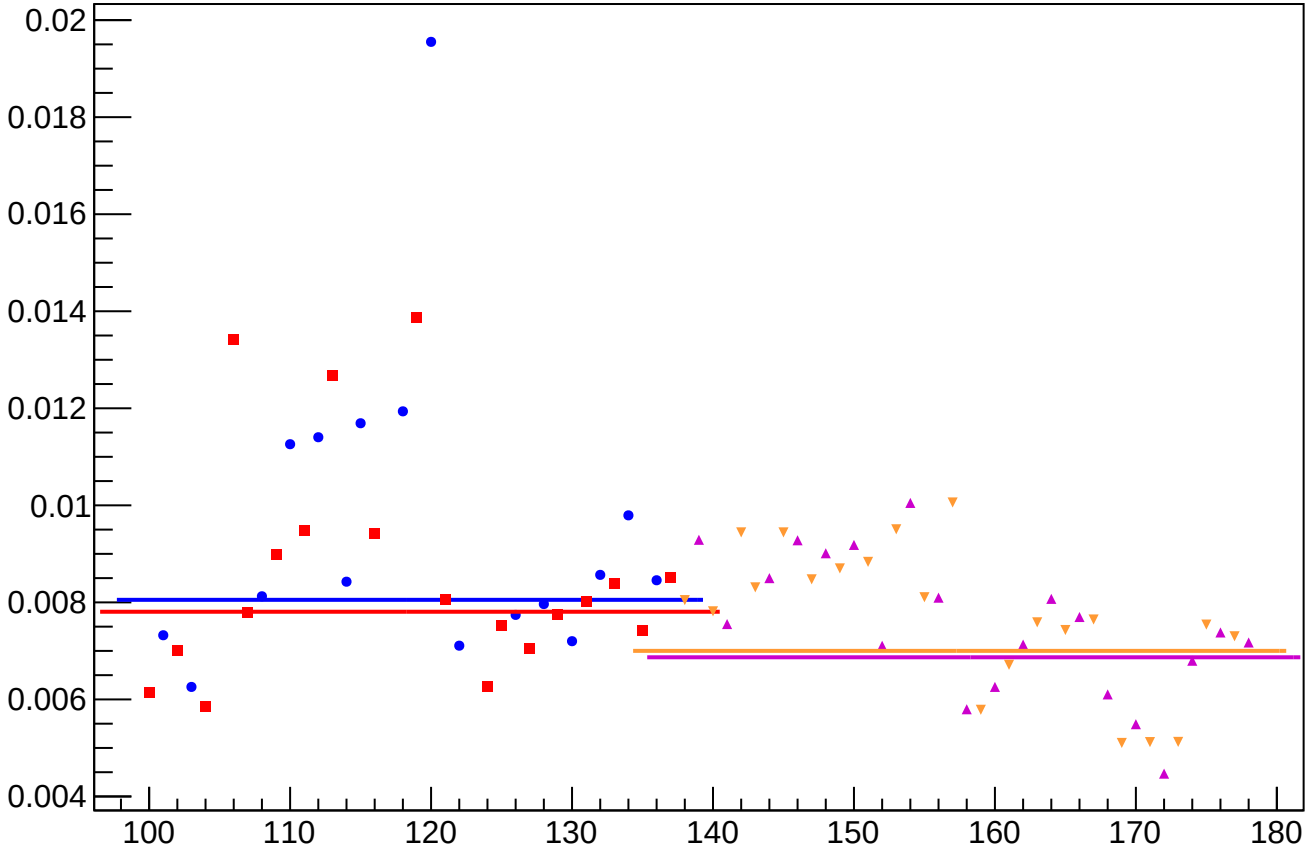
Left In: 1.259+/-0.000 χ^2/NDF:37361309402.9/19

+ sign 1.095+/-0.000 χ^2/NDF: 79823526760.8/36

All: 1.094+/-0.000 χ^2/NDF: 155861524609.5

- sign 1.094+/-0.000 χ^2/NDF: 76037614273.1/38

yield_bpm0l02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 598309.5/15

Left Out: 0.007+/-0.000 χ^2/NDF:1400515.0/20

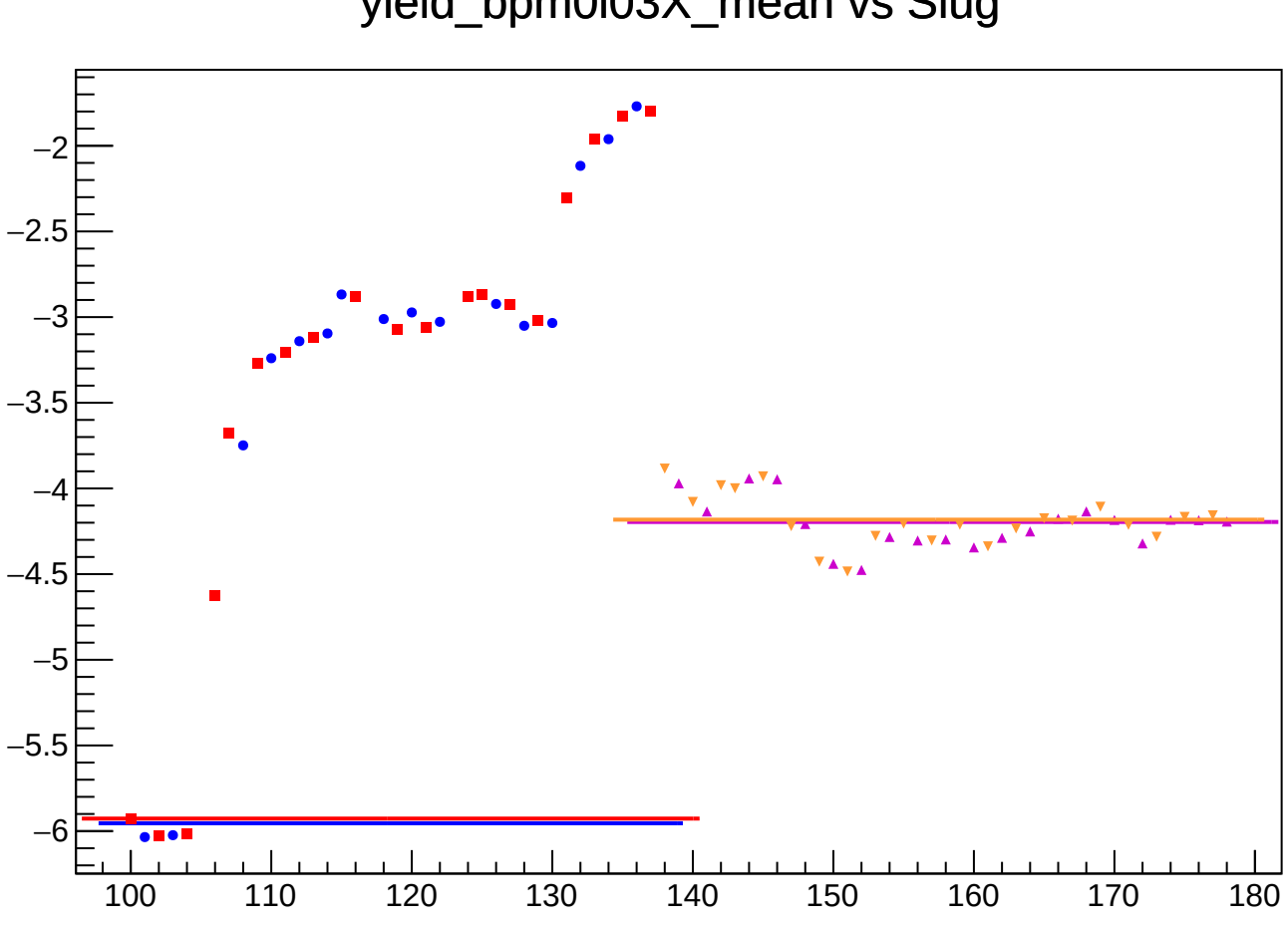
Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.007+/-0.000 χ^2/NDF:1372900.8/19

+ sign 0.007+/-0.000 χ^2/NDF: 2157237.9/36

All: 0.007+/-0.000 χ^2/NDF: 4263696.1/75

- sign 0.007+/-0.000 χ^2/NDF: 2097896.5/38



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

Left Out: -4.182+/-0.000 χ^2/NDF:53918033.3/20

Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

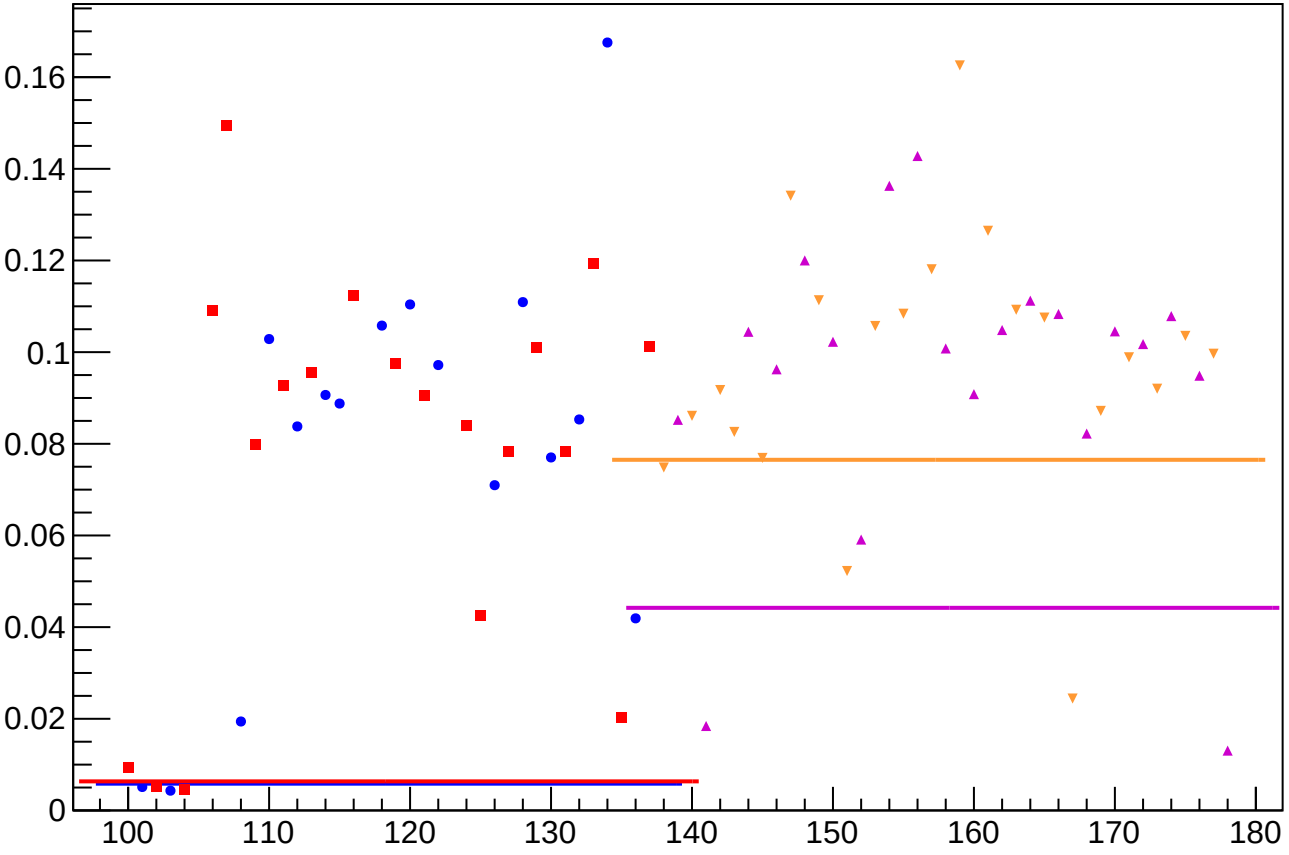
Left In: -4.196+/-0.000 χ^2/NDF:41541487.1/19

+ sign -5.888+/-0.000 χ^2/NDF: 19212659545.3/36

All: -5.844+/-0.000 χ^2/NDF: 43255617942.8/

- sign -5.792+/-0.000 χ^2/NDF: 23818251570.3/38

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 8700553.3/15

Left Out: 0.077+/-0.000 χ^2/NDF:4597254.0/20

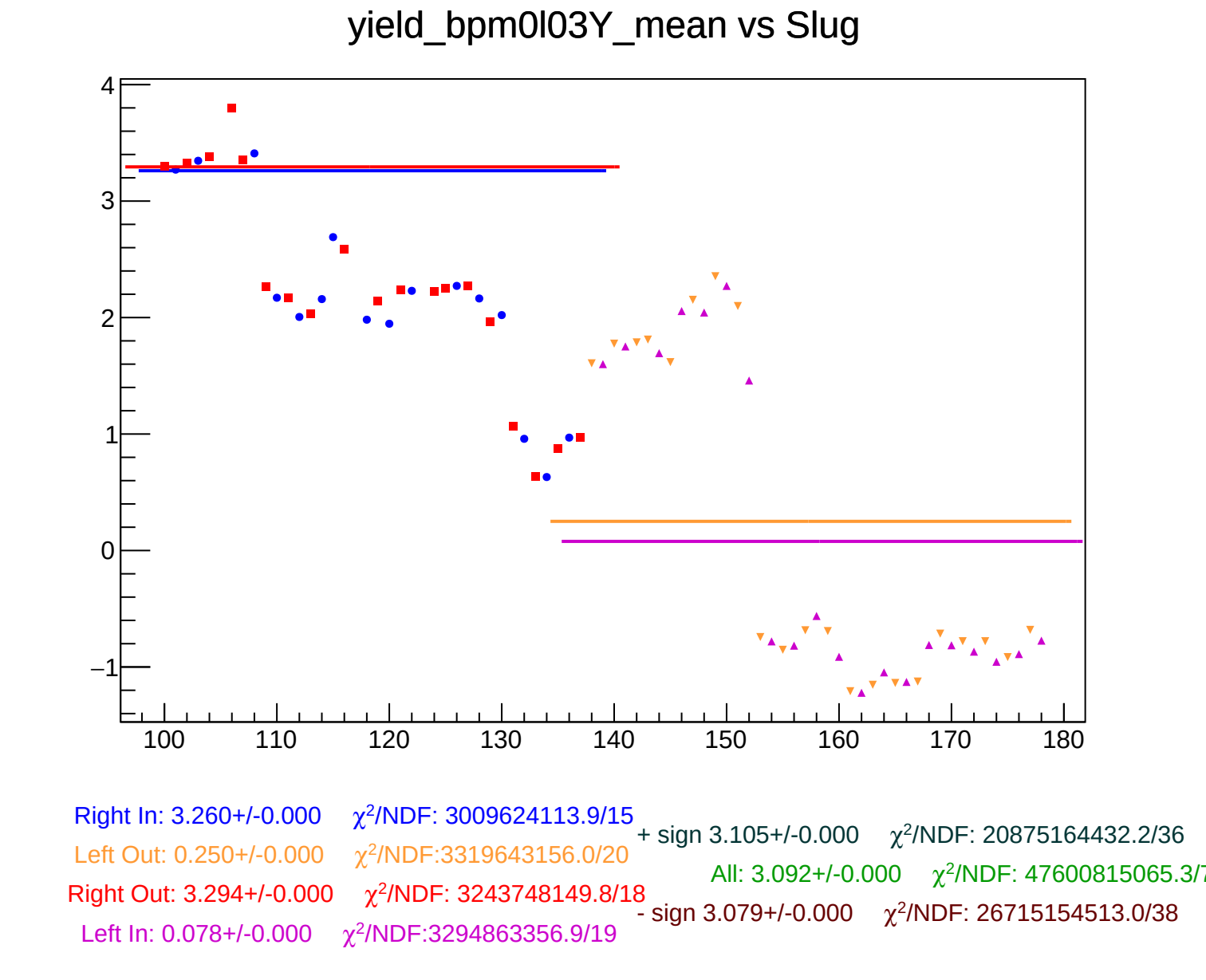
Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

Left In: 0.044+/-0.000 χ^2/NDF:11928848.8/19

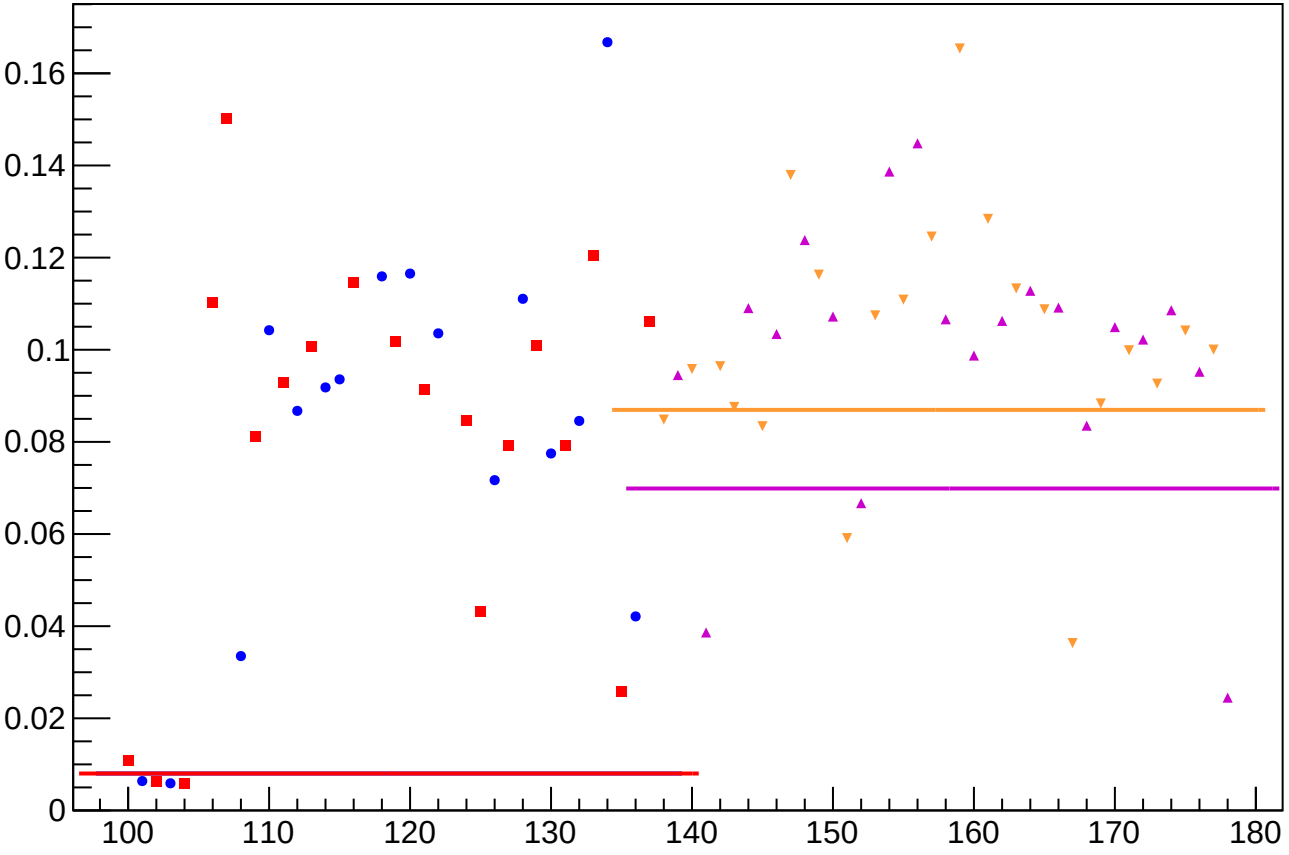
+ sign 0.008+/-0.000 χ^2/NDF: 32574483.0/36

All: 0.009+/-0.000 χ^2/NDF: 62715322.3/75

- sign 0.009+/-0.000 χ^2/NDF: 30109361.1/38


yield_bpm0l03Y_mean vs Slug
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
180
Right In: 3.260+/-0.000 χ²/NDF: 3009624113.9/15
Left Out: 0.250+/-0.000 χ²/NDF:3319643156.0/20
Right Out: 3.294+/-0.000 χ²/NDF: 3243748149.8/18
Left In: 0.078+/-0.000 χ²/NDF:3294863356.9/19
+ sign 3.105+/-0.000 χ²/NDF: 20875164432.2/36
All: 3.092+/-0.000 χ²/NDF: 47600815065.3/7
- sign 3.079+/-0.000 χ²/NDF: 26715154513.0/38

yield_bpm0l03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 8415681.1/15

Left Out: 0.087+/-0.000 χ^2/NDF:2867608.1/20

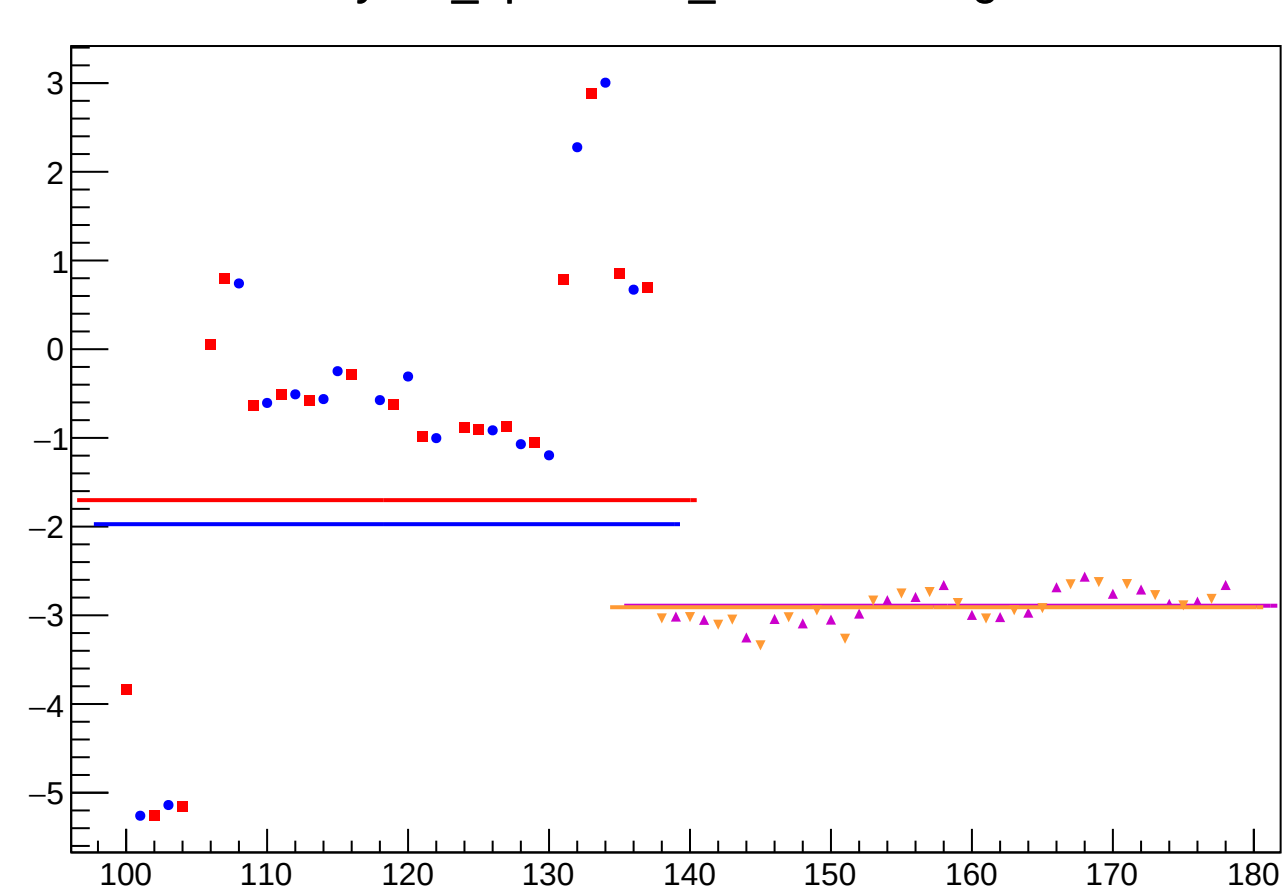
Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

Left In: 0.070+/-0.000 χ^2/NDF:6190946.2/19

+ sign 0.012+/-0.000 χ^2/NDF: 31285400.8/36

All: 0.012+/-0.000 χ^2/NDF: 60957058.1/75

- sign 0.012+/-0.000 χ^2/NDF: 29671607.3/38



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -2.909+/-0.000 χ^2/NDF:8970541625.7/20

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

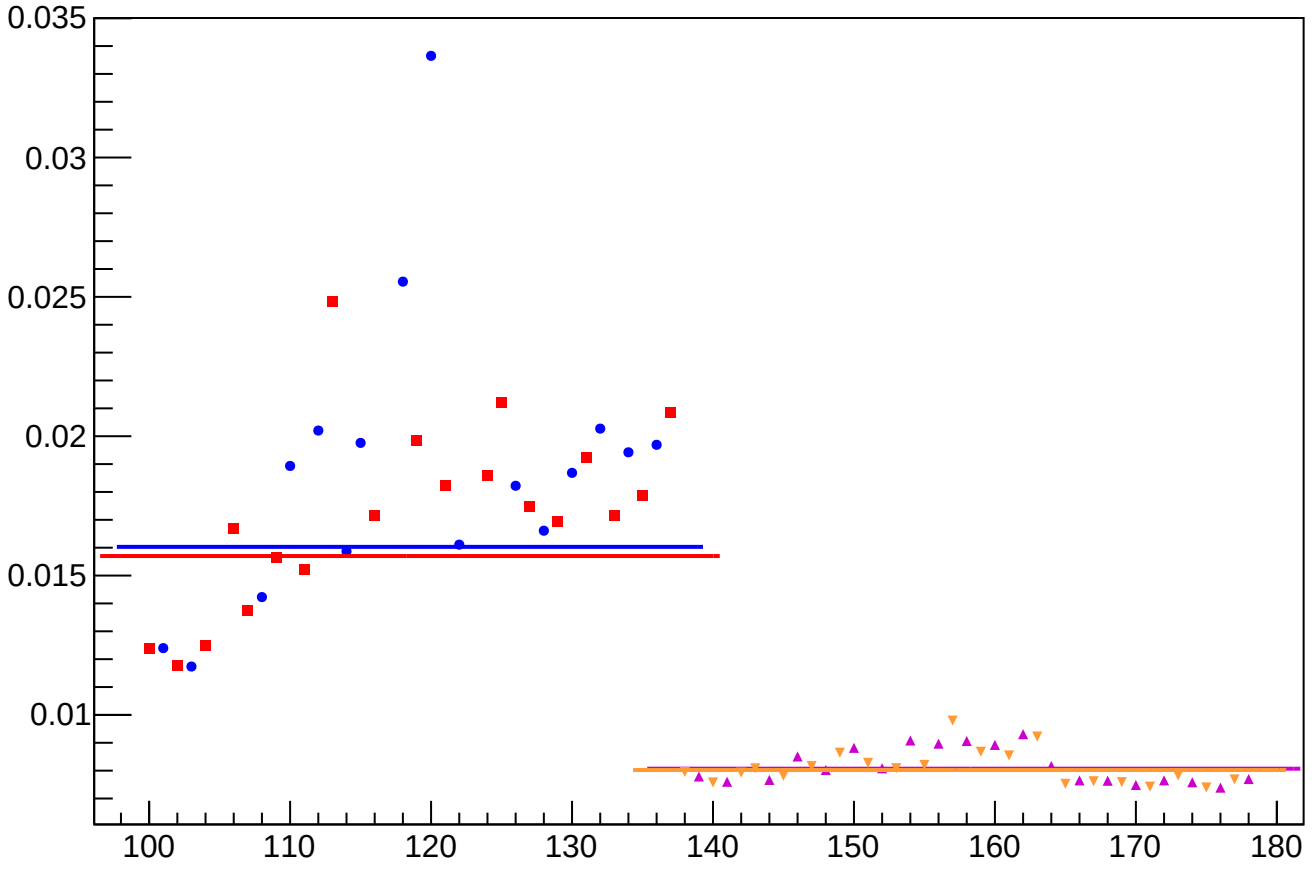
Left In: -2.892+/-0.000 χ^2/NDF:8017280971.8/19

+ sign -2.830+/-0.000 χ^2/NDF: 189134038790.6/36

All: -2.803+/-0.000 χ^2/NDF: 398725320591.9

- sign -2.776+/-0.000 χ^2/NDF: 209194660426.0/38

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:149803.7/20

Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

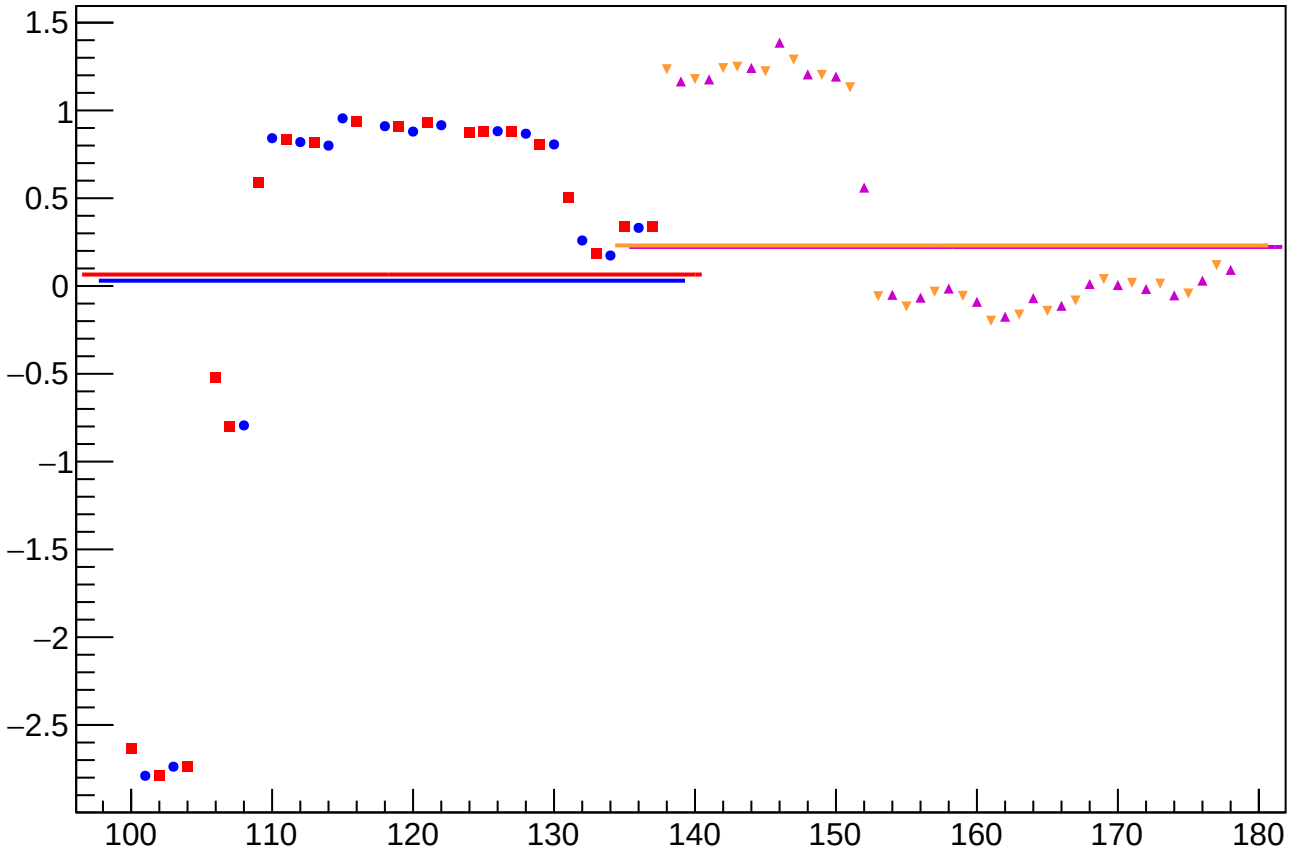
Left In: 0.008+/-0.000 χ^2/NDF:171265.6/19

+ sign 0.009+/-0.000 χ^2/NDF: 3546244.8/36

All: 0.009+/-0.000 χ^2/NDF: 6940493.1/75

- sign 0.009+/-0.000 χ^2/NDF: 3390489.8/38

yield_bpm0l04Y_mean vs Slug



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 0.231+/-0.000 χ^2/NDF:101766272594.6/20

Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

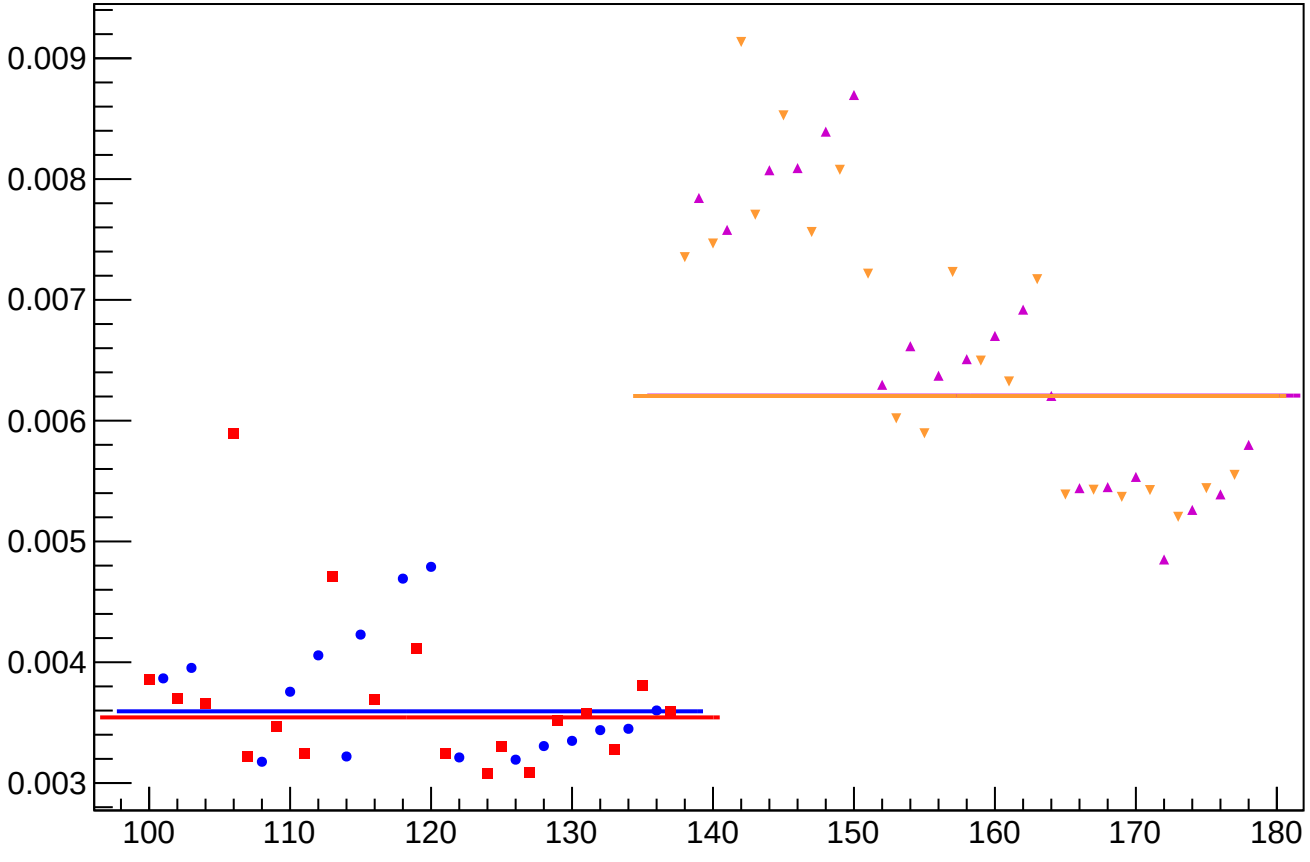
Left In: 0.222+/-0.000 χ^2/NDF:86387866688.2/19

+ sign 0.114+/-0.000 χ^2/NDF: 962160823446.4/36

All: 0.121+/-0.000 χ^2/NDF: 1989557165693.

- sign 0.127+/-0.000 χ^2/NDF: 1027311633195.1/38

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 180415.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:727102.7/20

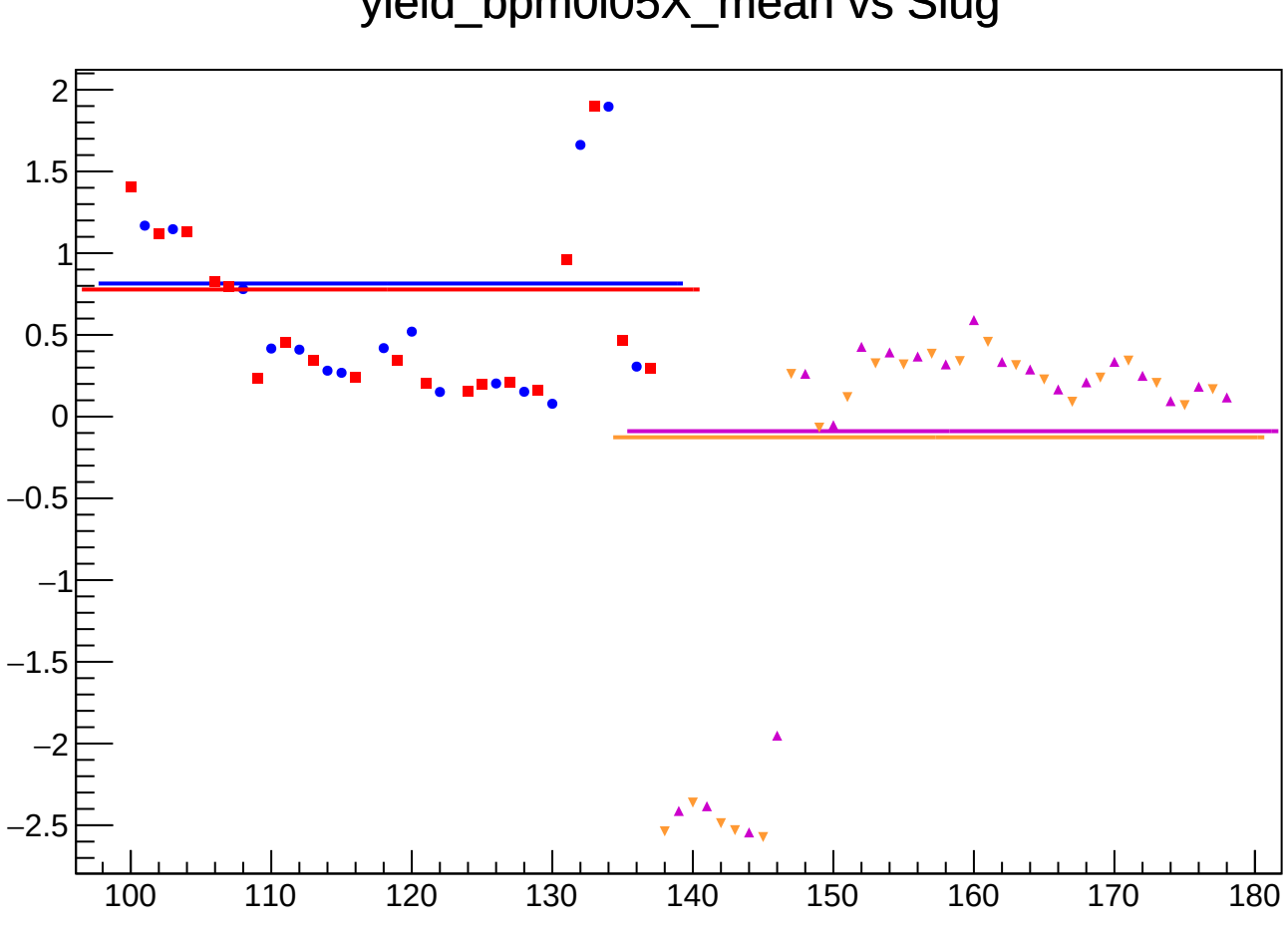
Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.006+/-0.000 χ^2/NDF:800273.6/19

+ sign 0.005+/-0.000 χ^2/NDF: 3854349.3/36

All: 0.005+/-0.000 χ^2/NDF: 8015793.2/75

- sign 0.005+/-0.000 χ^2/NDF: 4155058.3/38



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -0.126+/-0.000 χ^2/NDF:381205918213.0/20

Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

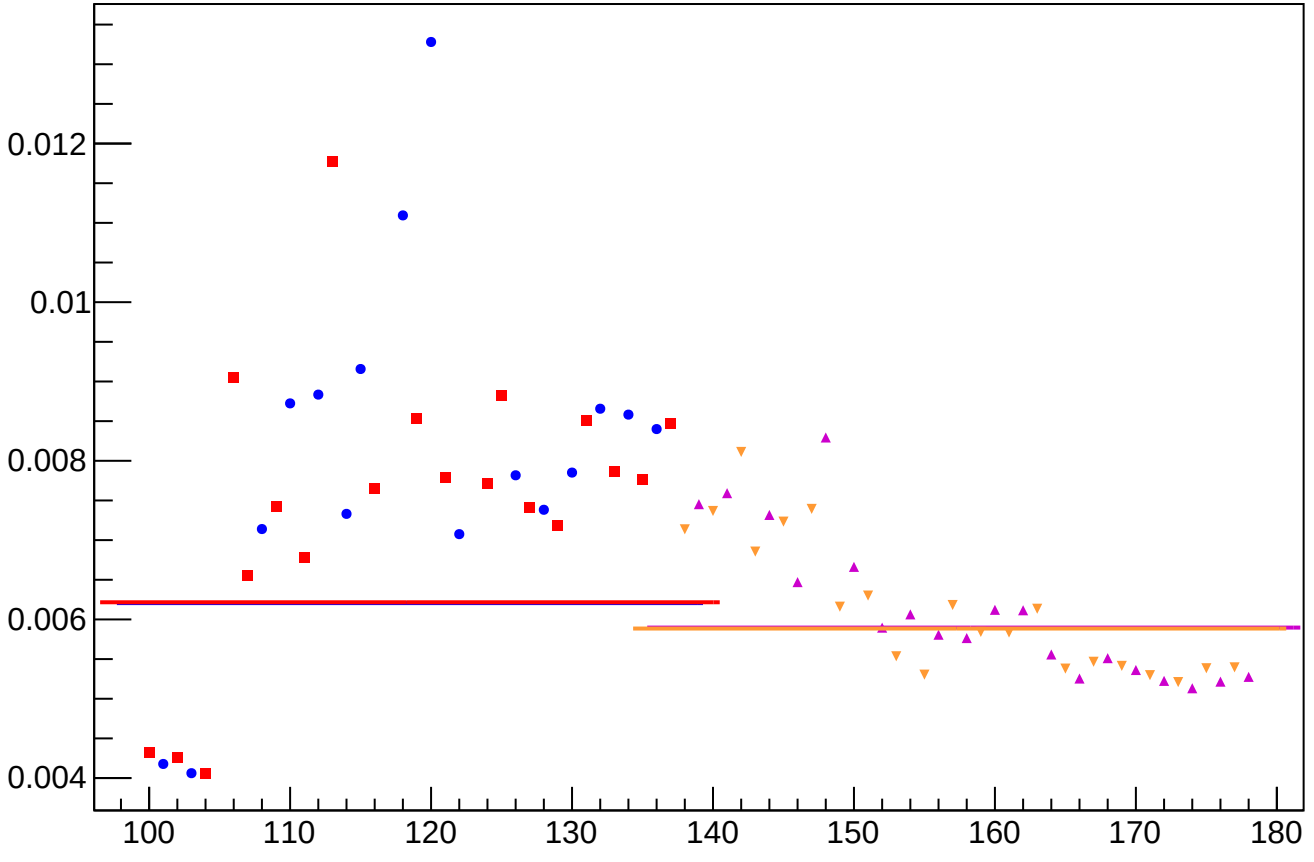
Left In: -0.089+/-0.000 χ^2/NDF:342678848938.8/19

+ sign 0.108+/-0.000 χ^2/NDF: 512448044531.1/36

All: 0.125+/-0.000 χ^2/NDF: 975692779740.7

- sign 0.142+/-0.000 χ^2/NDF: 462911108122.0/38

yield_bpm0l05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 1423886.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:429674.6/20

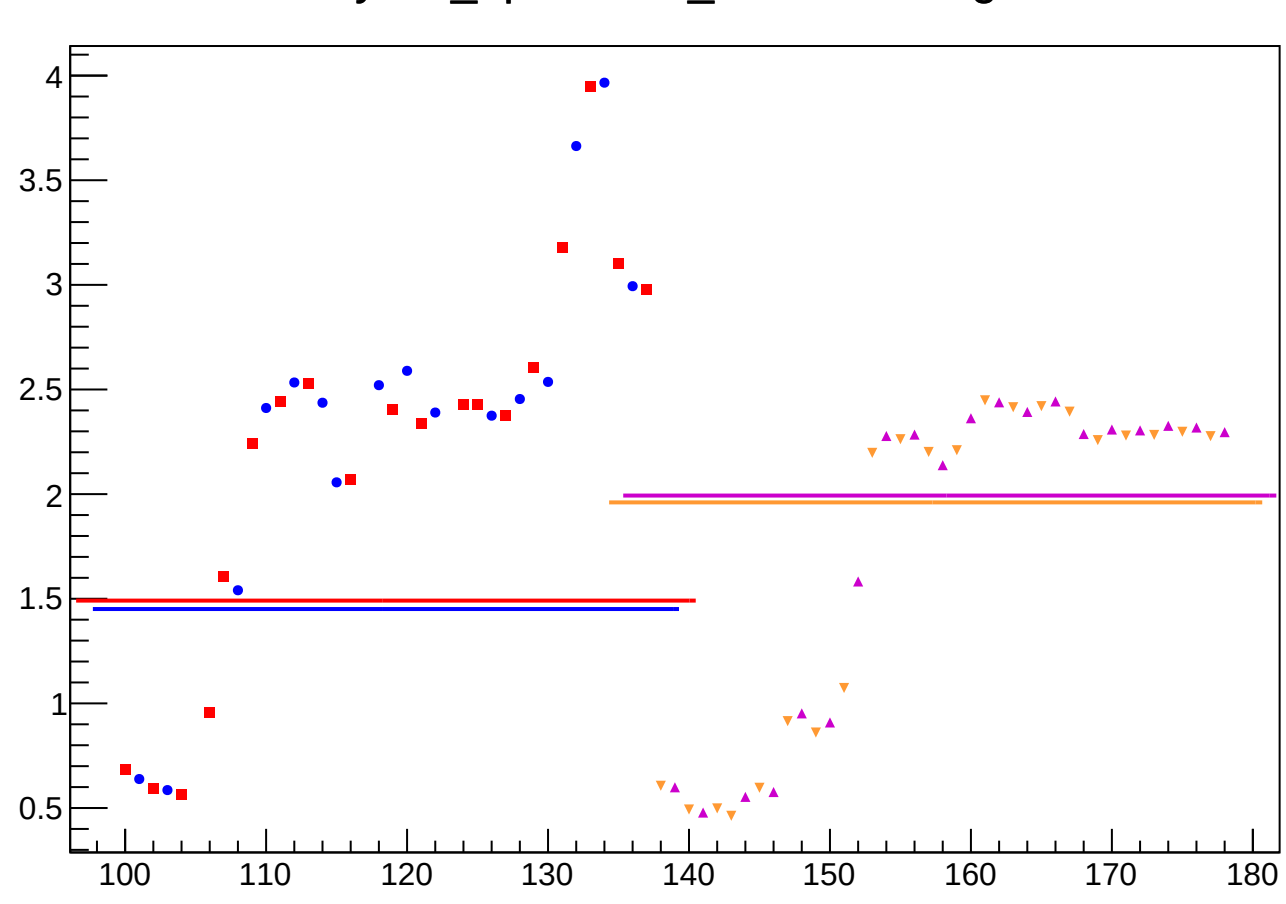
Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.006+/-0.000 χ^2/NDF:513152.4/19

+ sign 0.006+/-0.000 χ^2/NDF: 1875858.0/36

All: 0.006+/-0.000 χ^2/NDF: 3573525.7/75

- sign 0.006+/-0.000 χ^2/NDF: 1697498.8/38



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 1.960+/-0.000 χ^2/NDF:212780399145.2/20

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

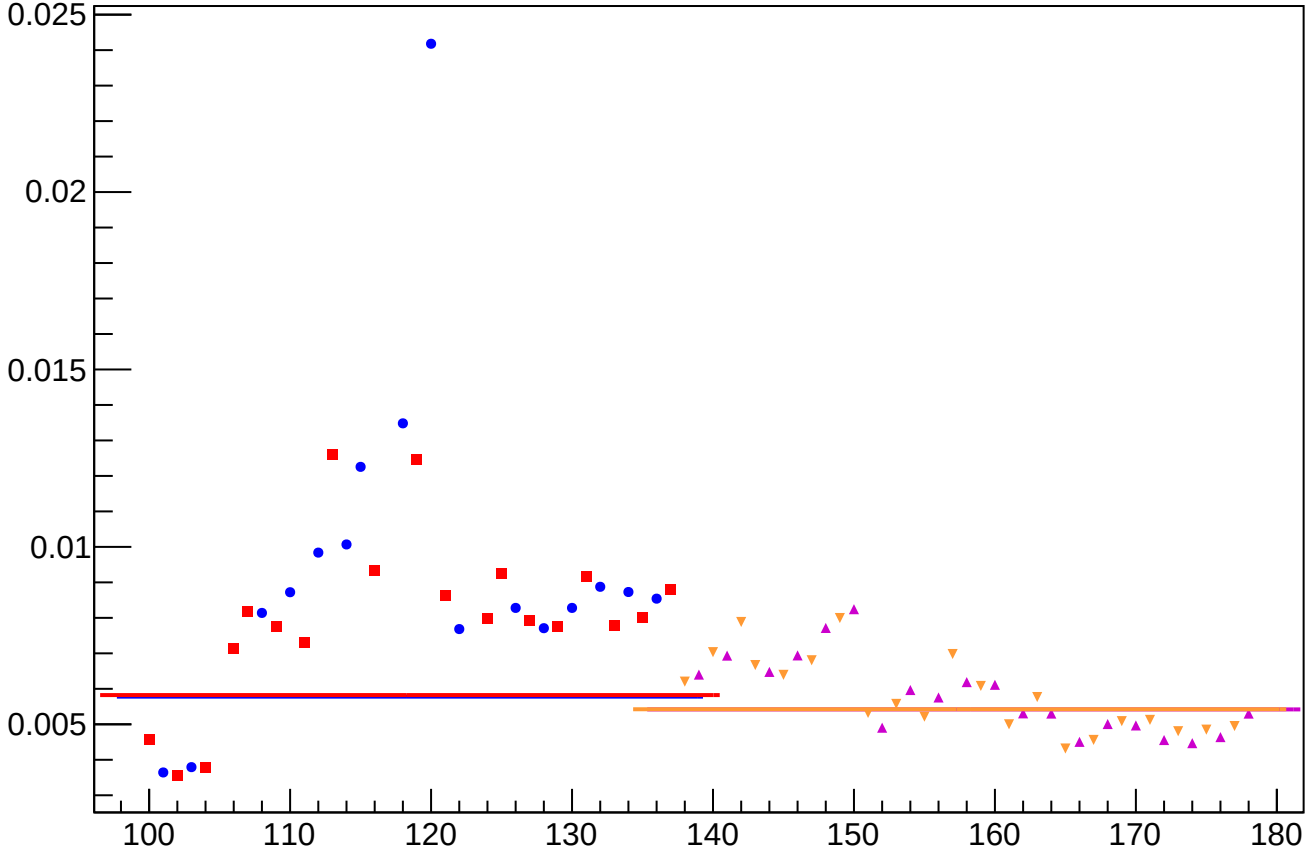
Left In: 1.993+/-0.000 χ^2/NDF:189979901795.6/19

+ sign 1.838+/-0.000 χ^2/NDF: 411979650553.5/36

All: 1.851+/-0.000 χ^2/NDF: 819344684712.7

- sign 1.864+/-0.000 χ^2/NDF: 407151532441.1/38

yield_bpm0l05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 2213885.3/15

Left Out: 0.005+/-0.000 χ^2/NDF:702618.9/20

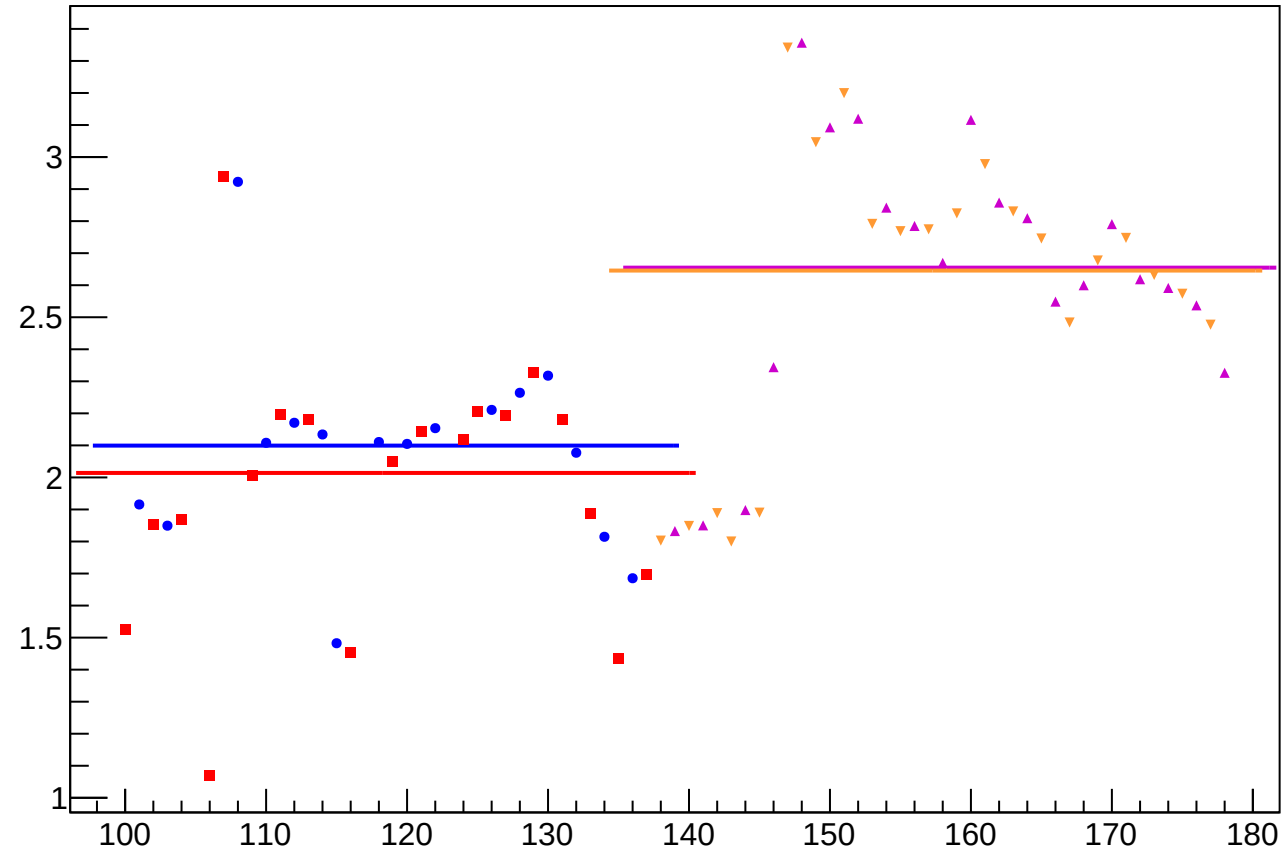
Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.005+/-0.000 χ^2/NDF:781914.1/19

+ sign 0.006+/-0.000 χ^2/NDF: 2945413.0/36

All: 0.006+/-0.000 χ^2/NDF: 5722327.0/75

- sign 0.006+/-0.000 χ^2/NDF: 2776793.0/38



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 2.646+/-0.000 χ^2/NDF:44189549850.7/20

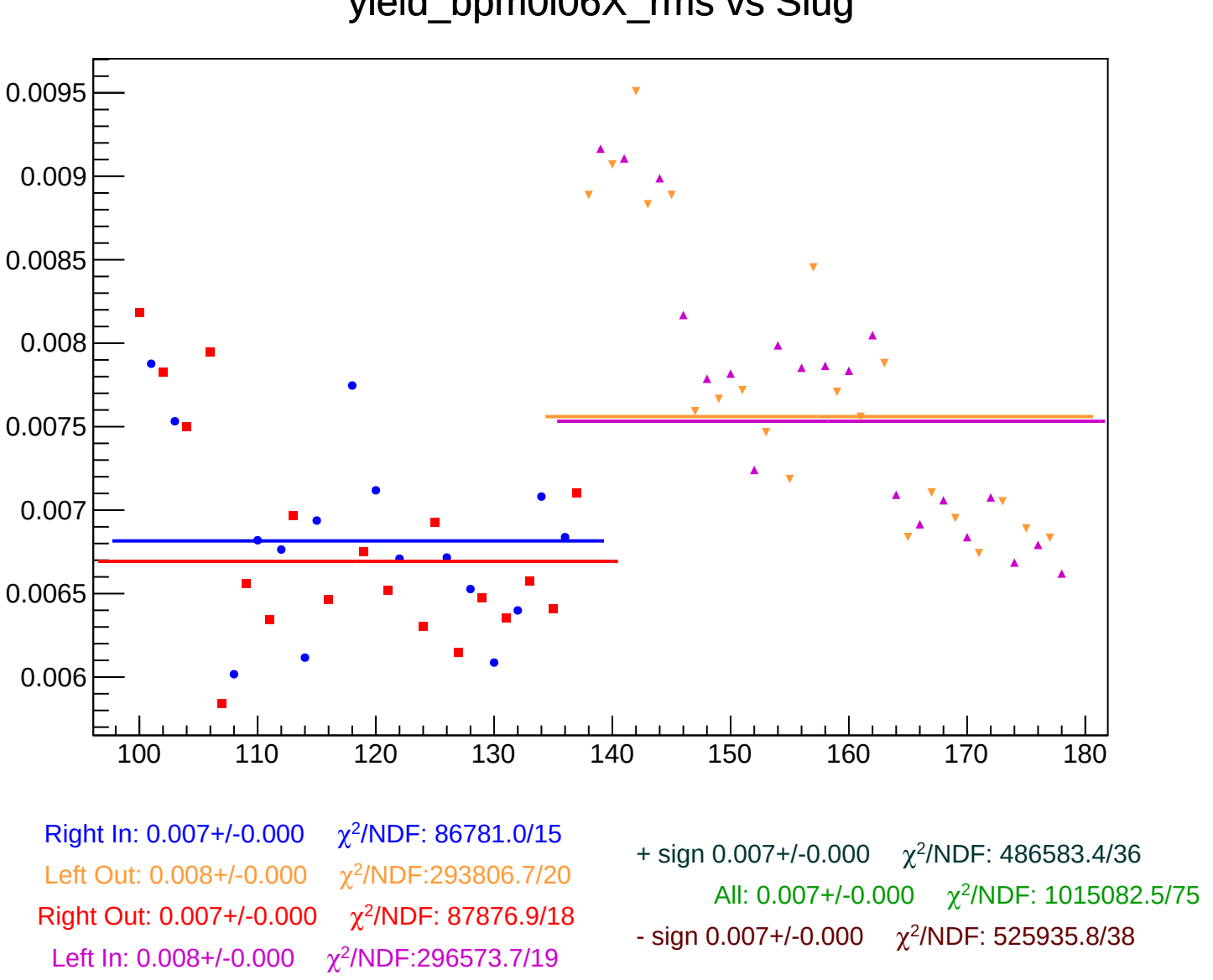
Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

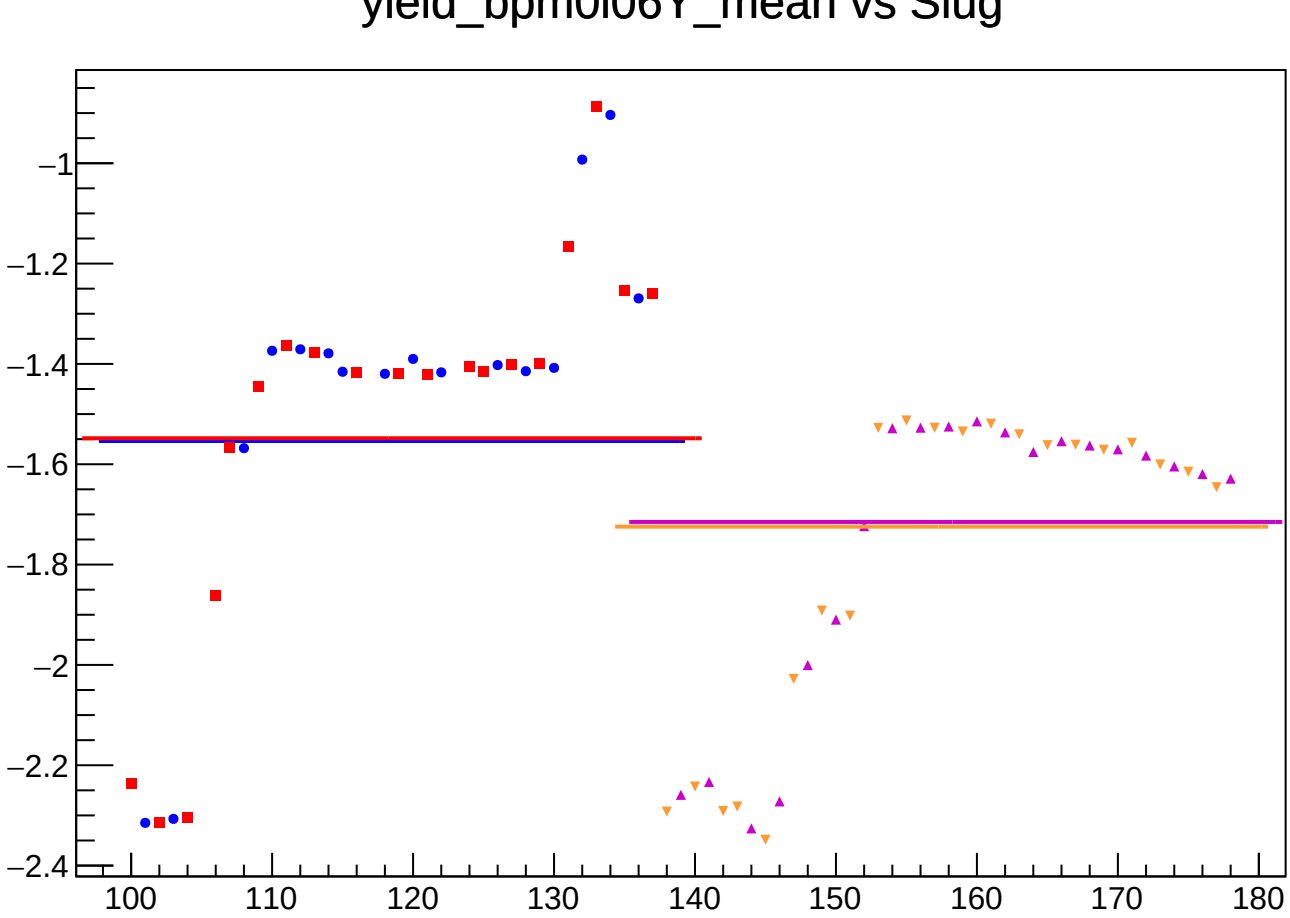
Left In: 2.655+/-0.000 χ^2/NDF:39393962879.1/19

+ sign 2.454+/-0.000 χ^2/NDF: 86639376652.3/36

All: 2.436+/-0.000 χ^2/NDF: 187188231180.0

- sign 2.418+/-0.000 χ^2/NDF: 100263330243.4/38


yield_bpm0l06X_rms vs Slug
0.0095
0.009
0.0085
0.008
0.0075
0.007
0.0065
0.006
100
110
120
130
140
150
160
170
180
Right In: 0.007+/-0.000 χ²/NDF: 86781.0/15
Left Out: 0.008+/-0.000 χ²/NDF:293806.7/20
Right Out: 0.007+/-0.000 χ²/NDF: 87876.9/18
Left In: 0.008+/-0.000 χ²/NDF:296573.7/19
+ sign 0.007+/-0.000 χ²/NDF: 486583.4/36
All: 0.007+/-0.000 χ²/NDF: 1015082.5/75
- sign 0.007+/-0.000 χ²/NDF: 525935.8/38



Right In: -1.554+/-0.000 χ^2/NDF: 175176621986.0/15

Left Out: -1.724+/-0.000 χ^2/NDF:148280043858.3/20

Right Out: -1.548+/-0.000 χ^2/NDF: 174743666302.8/18

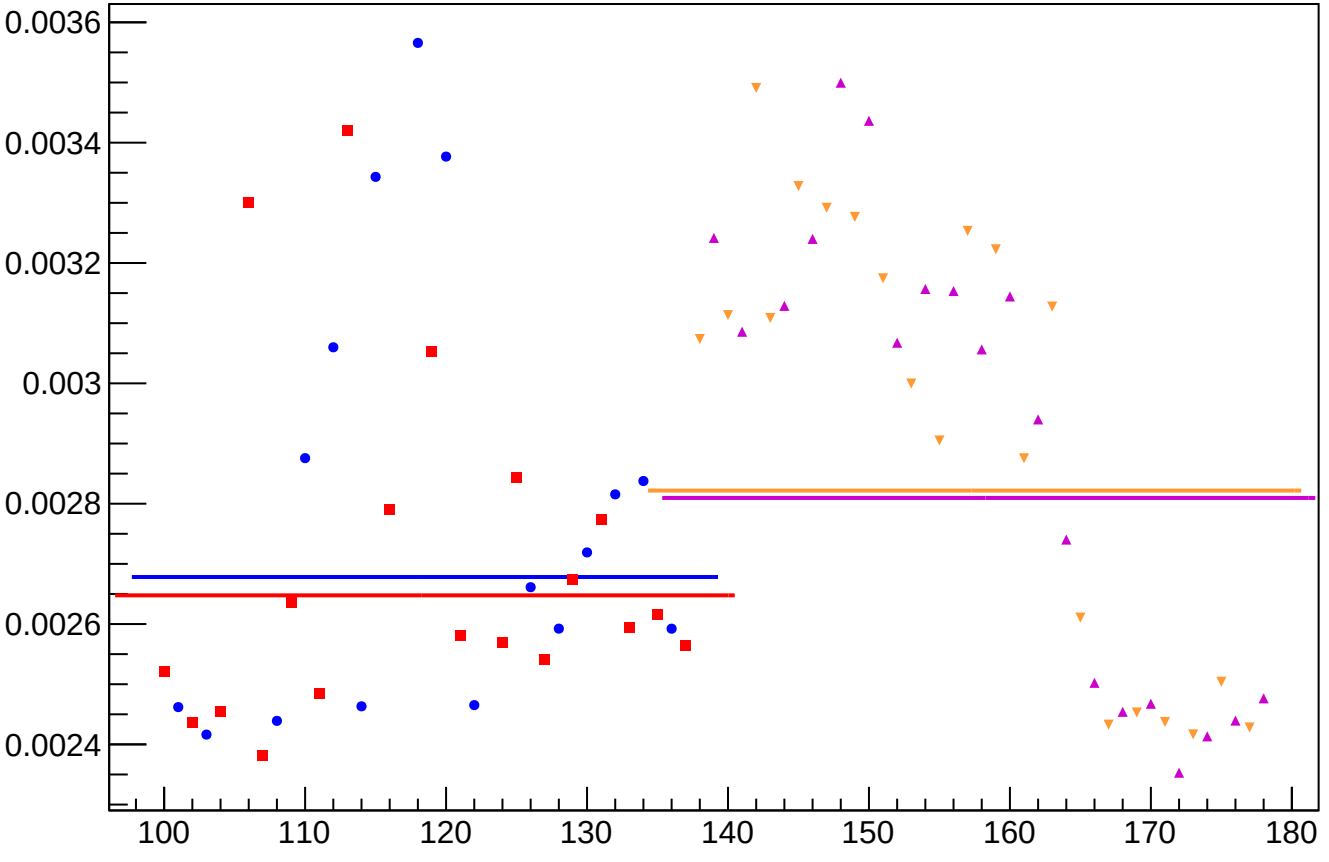
Left In: -1.715+/-0.000 χ^2/NDF:135023403349.9/19

+ sign -1.669+/-0.000 χ^2/NDF: 341832211797.3/36

All: -1.663+/-0.000 χ^2/NDF: 670080957893.8

- sign -1.658+/-0.000 χ^2/NDF: 328083499581.6/38

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 157881.5/15

Left Out: 0.003+/-0.000 χ^2/NDF:484267.3/20

Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

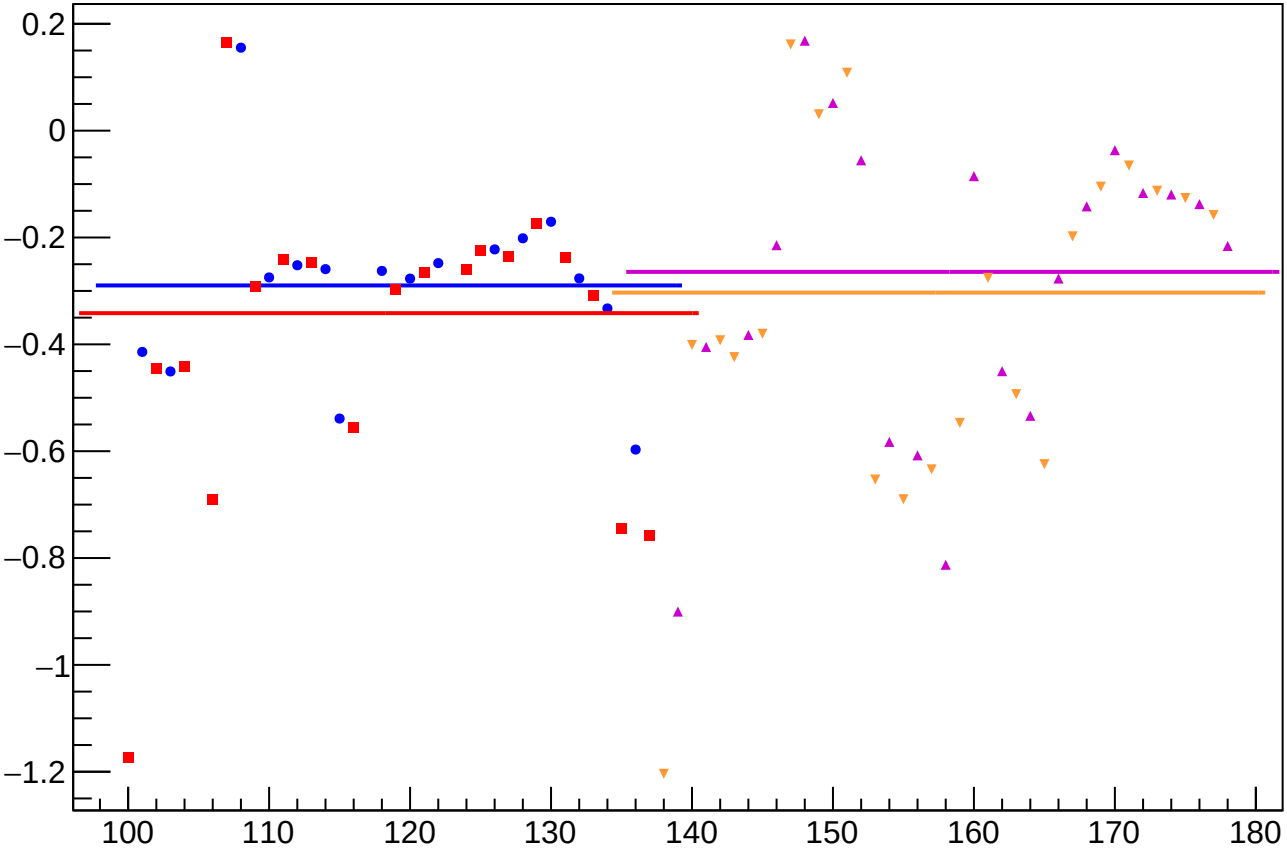
Left In: 0.003+/-0.000 χ^2/NDF:528564.7/19

+ sign 0.003+/-0.000 χ^2/NDF: 668158.7/36

All: 0.003+/-0.000 χ^2/NDF: 1348606.4/75

- sign 0.003+/-0.000 χ^2/NDF: 679201.2/38

yield_bpm0l07X_mean vs Slug



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.303+/-0.000 χ^2/NDF:9071821594.2/20

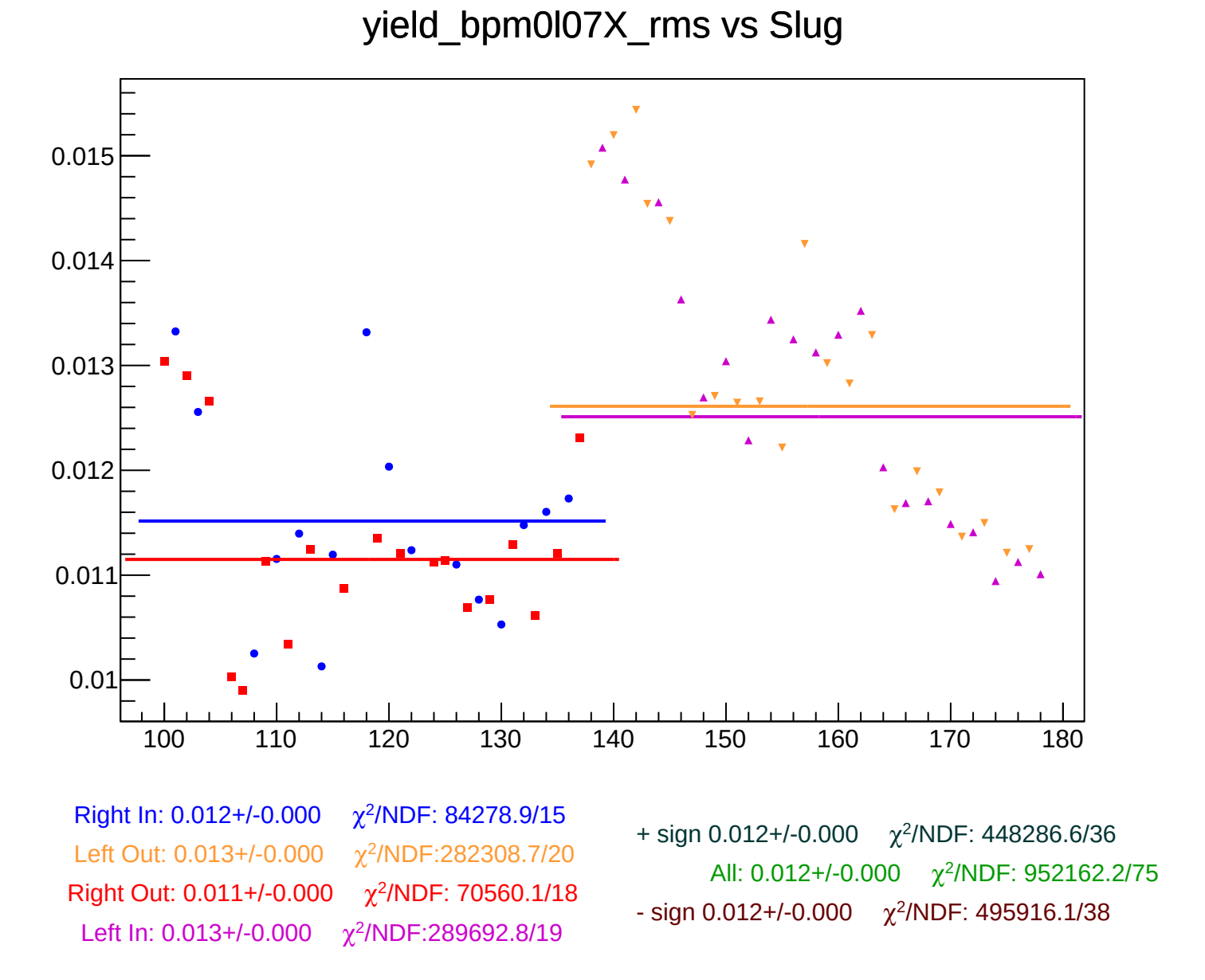
Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

Left In: -0.264+/-0.000 χ^2/NDF:7039162867.6/19

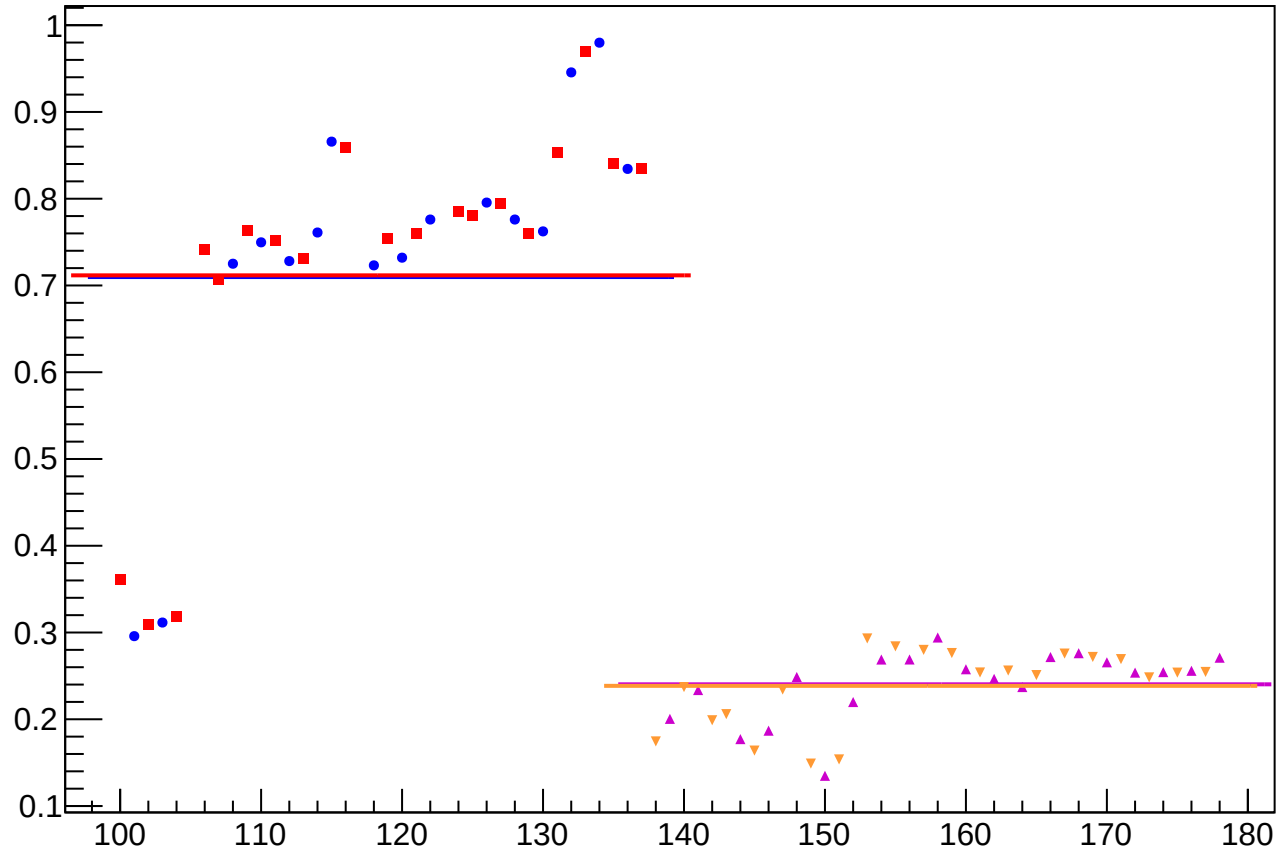
+ sign -0.299+/-0.000 χ^2/NDF: 10723135255.3/36

All: -0.296+/-0.000 χ^2/NDF: 20592280798.8/

- sign -0.293+/-0.000 χ^2/NDF: 9866878784.9/38


yield_bpm0l07X_rms vs Slug
0.015
0.014
0.013
0.012
0.011
0.01
100
110
120
130
140
150
160
170
180
Right In: 0.012+/-0.000 χ²/NDF: 84278.9/15
Left Out: 0.013+/-0.000 χ²/NDF:282308.7/20
Right Out: 0.011+/-0.000 χ²/NDF: 70560.1/18
Left In: 0.013+/-0.000 χ²/NDF:289692.8/19
+ sign 0.012+/-0.000 χ²/NDF: 448286.6/36
All: 0.012+/-0.000 χ²/NDF: 952162.2/75
- sign 0.012+/-0.000 χ²/NDF: 495916.1/38

yield_bpm0l07Y_mean vs Slug



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.239+/-0.000 χ^2/NDF:6866260714.6/20

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

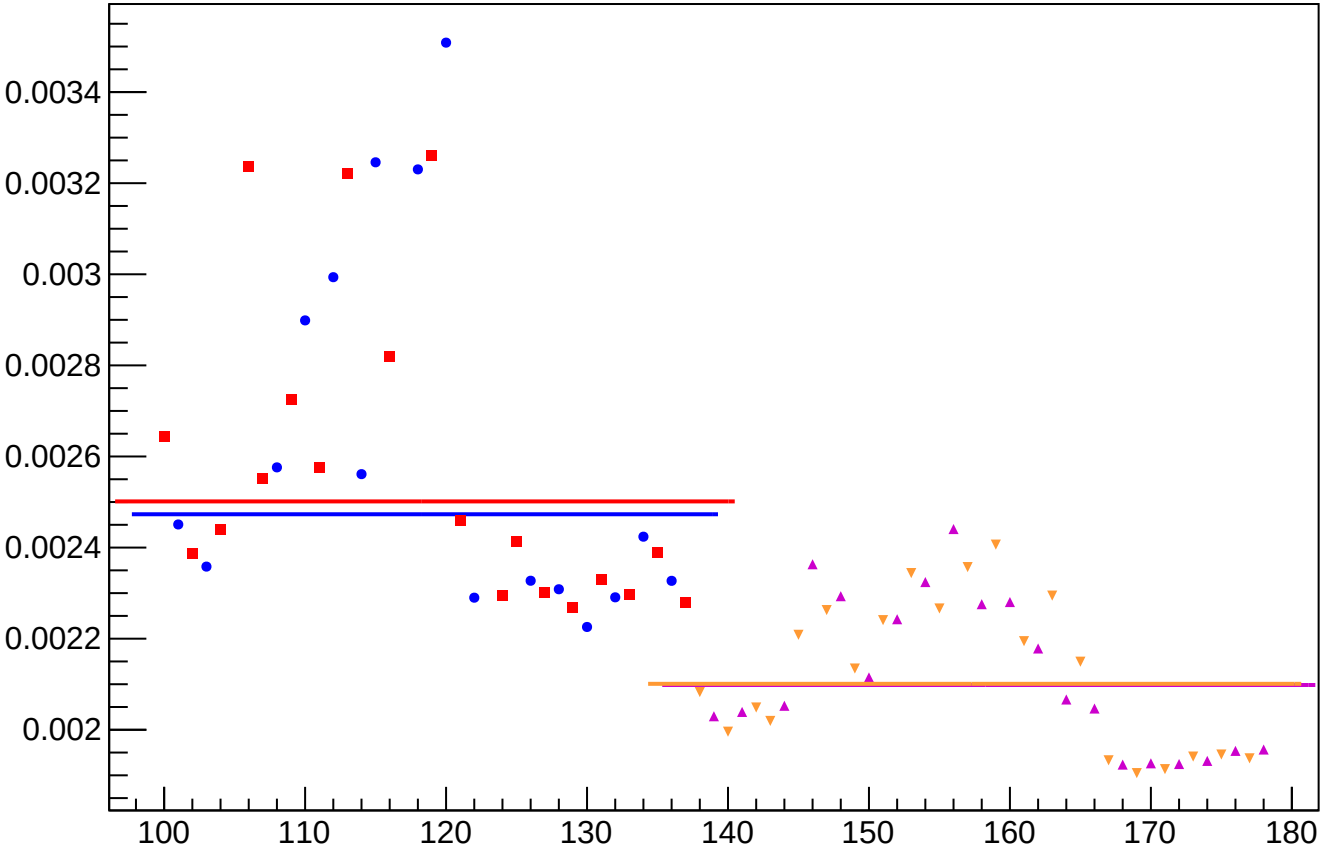
Left In: 0.240+/-0.000 χ^2/NDF:5617556011.5/19

+ sign 0.347+/-0.000 χ^2/NDF: 246229472388.7/36

All: 0.349+/-0.000 χ^2/NDF: 487161110872.6

- sign 0.351+/-0.000 χ^2/NDF: 240895093079.4/38

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:192789.0/20

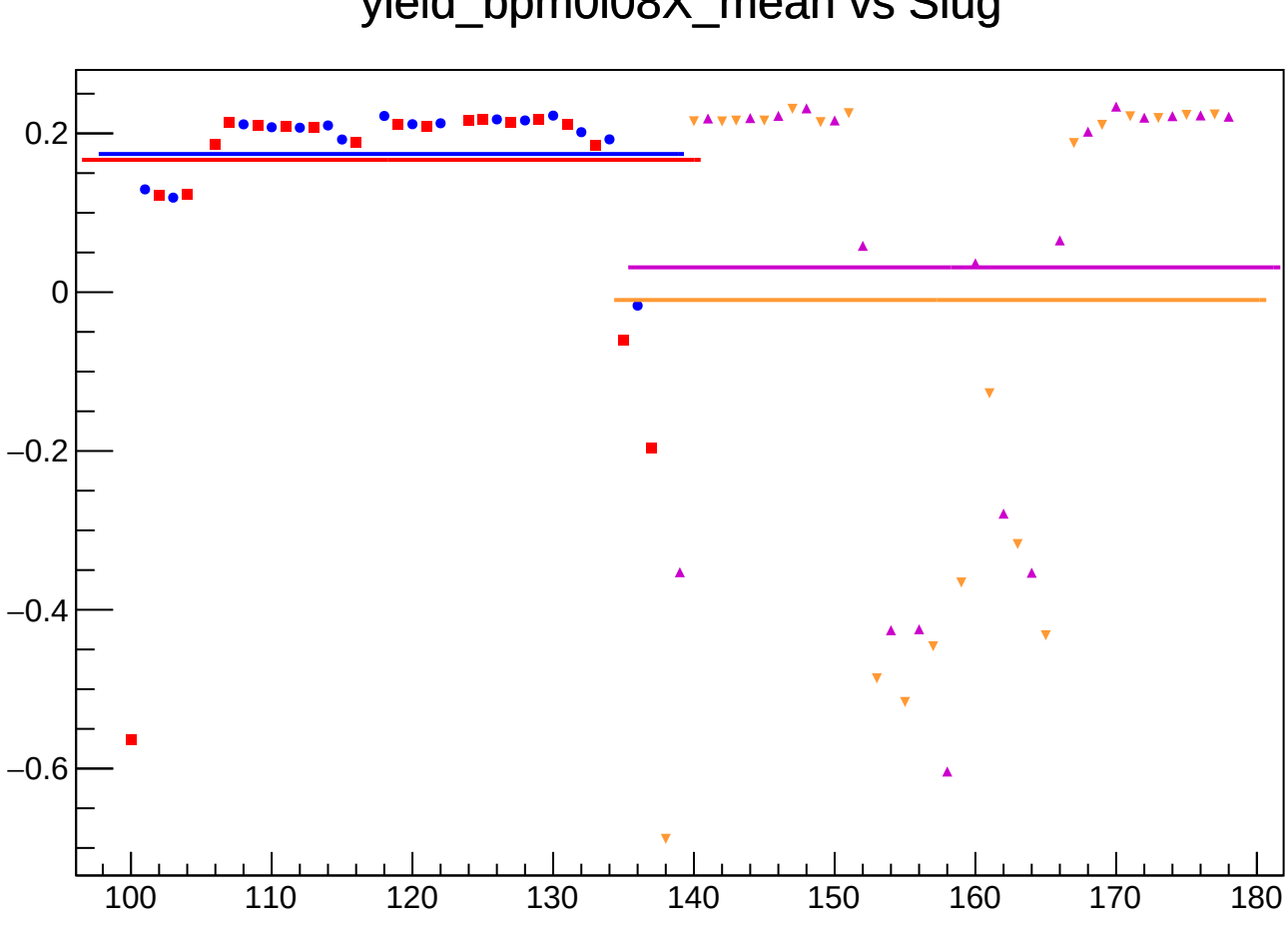
Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

Left In: 0.002+/-0.000 χ^2/NDF:186894.0/19

+ sign 0.002+/-0.000 χ^2/NDF: 638573.7/36

All: 0.002+/-0.000 χ^2/NDF: 1282523.4/75

- sign 0.002+/-0.000 χ^2/NDF: 643757.6/38



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: -0.010+/-0.000 χ^2/NDF:11959541293.9/20

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

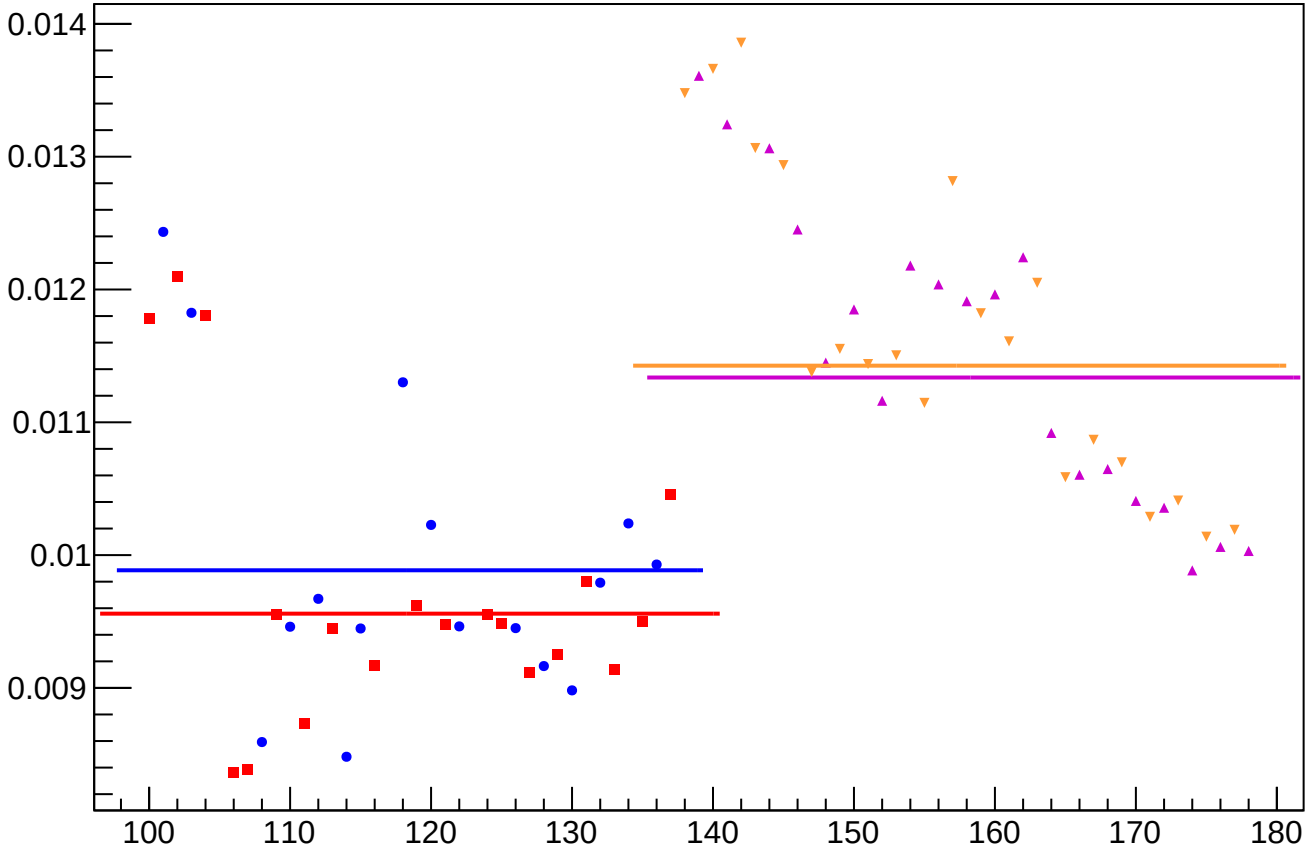
Left In: 0.031+/-0.000 χ^2/NDF:9177211249.9/19

+ sign 0.058+/-0.000 χ^2/NDF: 13860883623.9/36

All: 0.072+/-0.000 χ^2/NDF: 24876648451.5/7

- sign 0.085+/-0.000 χ^2/NDF: 10944486622.4/38

yield_bpm0l08X_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 148562.0/15

Left Out: 0.011+/-0.000 χ^2/NDF:270861.5/20

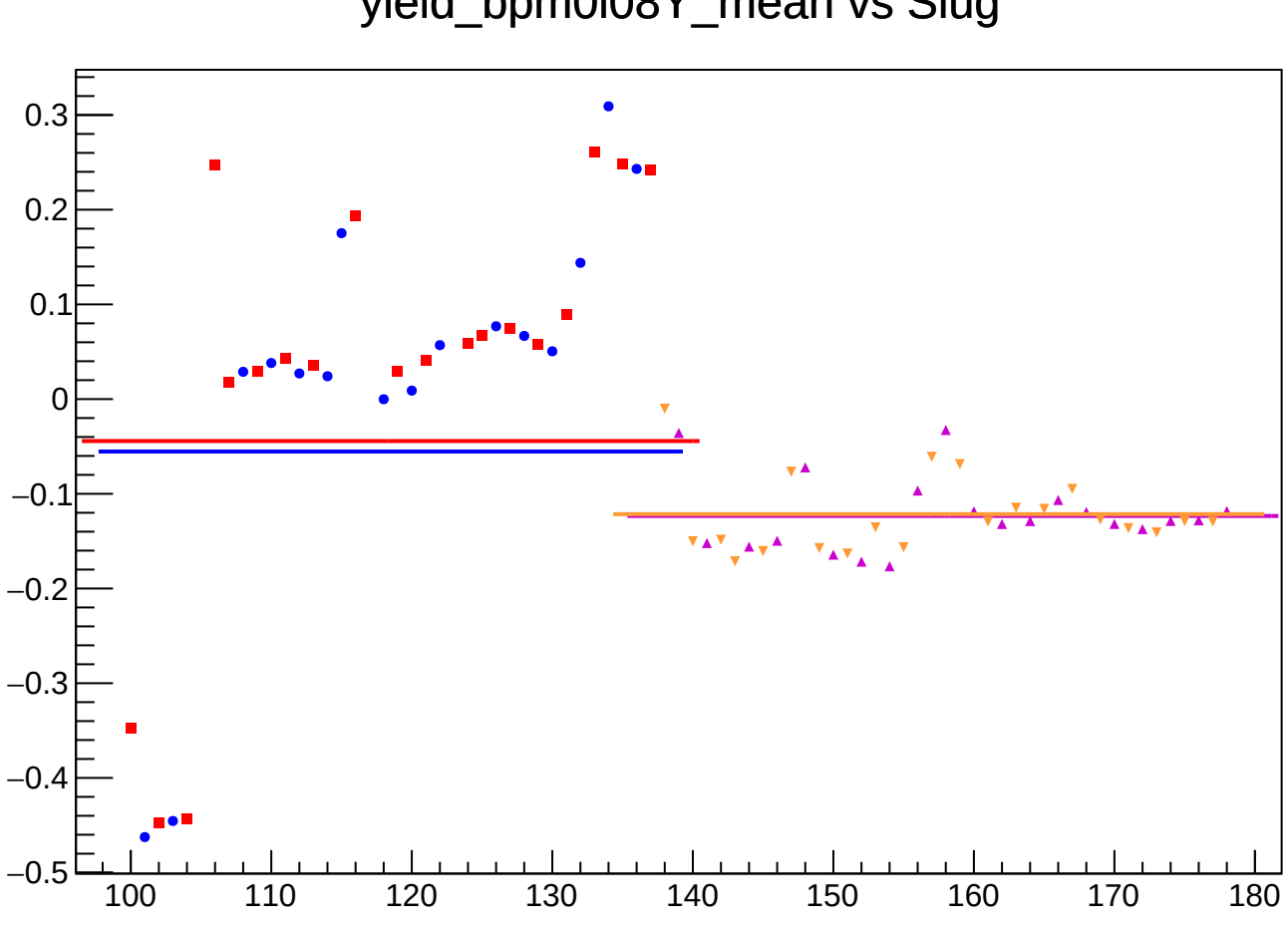
Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.011+/-0.000 χ^2/NDF:279912.0/19

+ sign 0.011+/-0.000 χ^2/NDF: 629975.5/36

All: 0.011+/-0.000 χ^2/NDF: 1357035.9/75

- sign 0.011+/-0.000 χ^2/NDF: 717106.6/38



Right In: -0.055+/-0.000 χ^2/NDF: 24081939190.6/15

Left Out: -0.121+/-0.000 χ^2/NDF:2916631766.0/20

Right Out: -0.044+/-0.000 χ^2/NDF: 22136167141.7/18

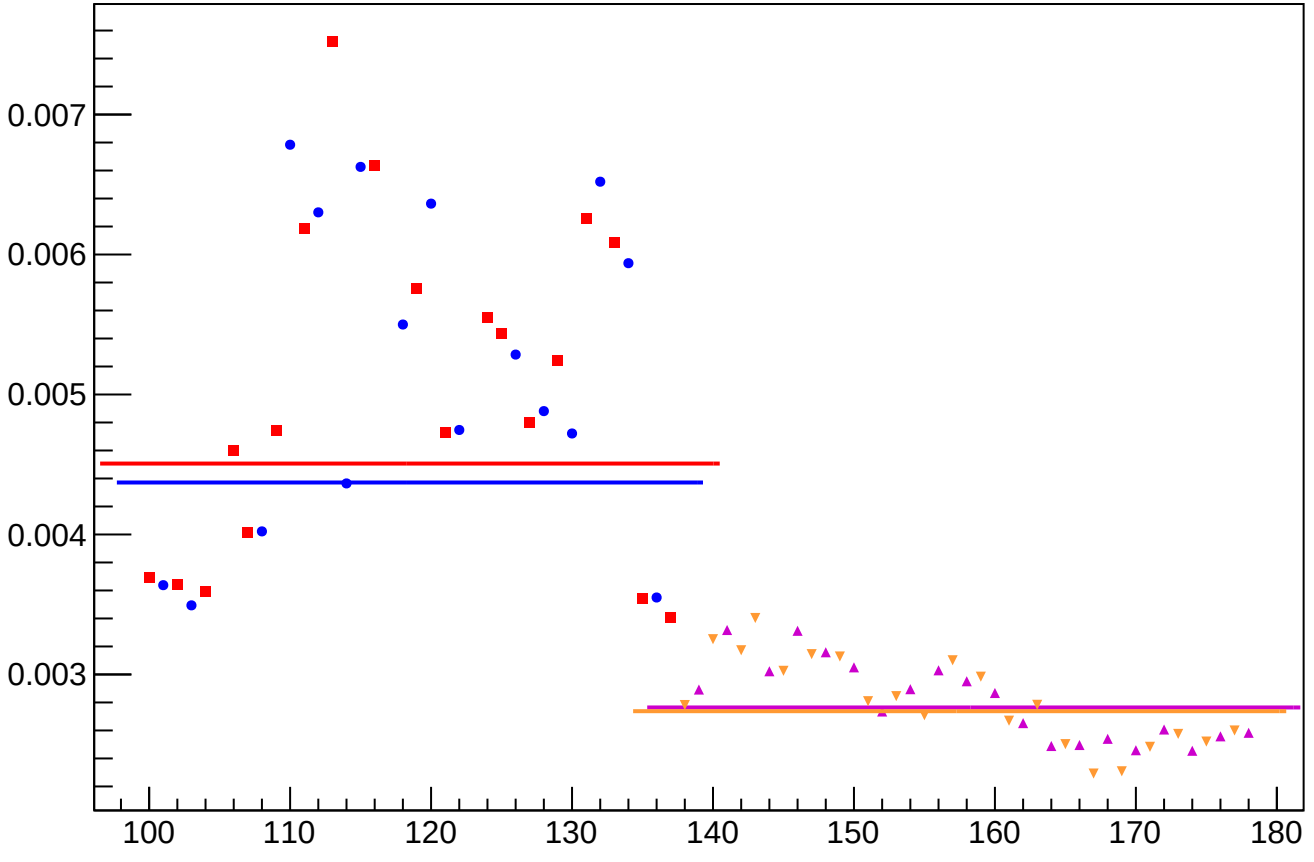
Left In: -0.123+/-0.000 χ^2/NDF:2807342155.8/19

+ sign -0.113+/-0.000 χ^2/NDF: 28212268414.4/36

All: -0.113+/-0.000 χ^2/NDF: 54859905633.0/

- sign -0.113+/-0.000 χ^2/NDF: 26647636160.4/38

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:377056.3/20

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

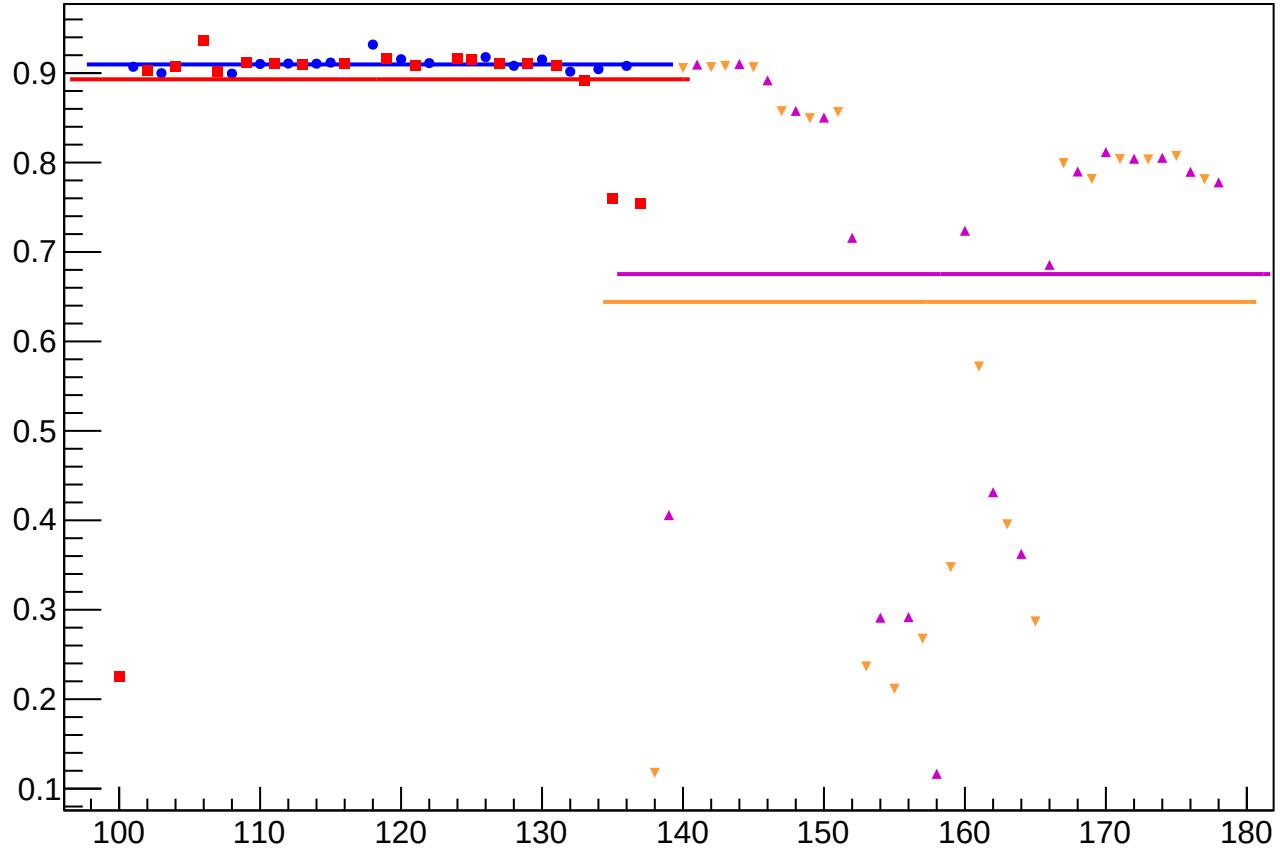
Left In: 0.003+/-0.000 χ^2/NDF:283499.5/19

+ sign 0.003+/-0.000 χ^2/NDF: 2517553.7/36

All: 0.003+/-0.000 χ^2/NDF: 5164448.7/75

- sign 0.003+/-0.000 χ^2/NDF: 2641903.7/38

yield_bpm0l09X_mean vs Slug



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.644+/-0.000 χ^2/NDF:8855893961.6/20

Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

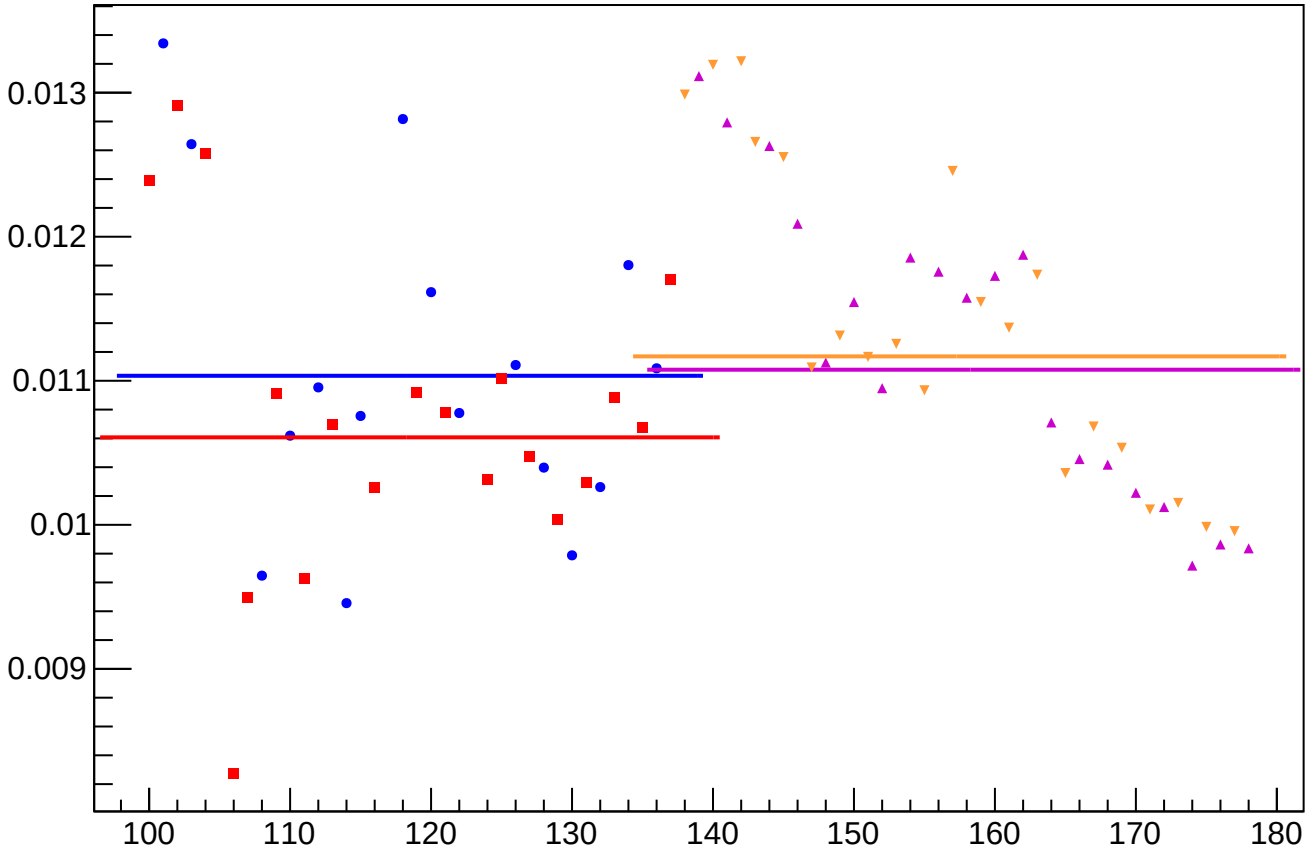
Left In: 0.675+/-0.000 χ^2/NDF:6845072209.5/19

+ sign 0.726+/-0.000 χ^2/NDF: 11611687230.6/36

All: 0.737+/-0.000 χ^2/NDF: 20849715353.0/7

- sign 0.748+/-0.000 χ^2/NDF: 9190538688.2/38

yield_bpm0l09X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 130353.1/15

Left Out: 0.011+/-0.000 χ^2/NDF:242916.8/20

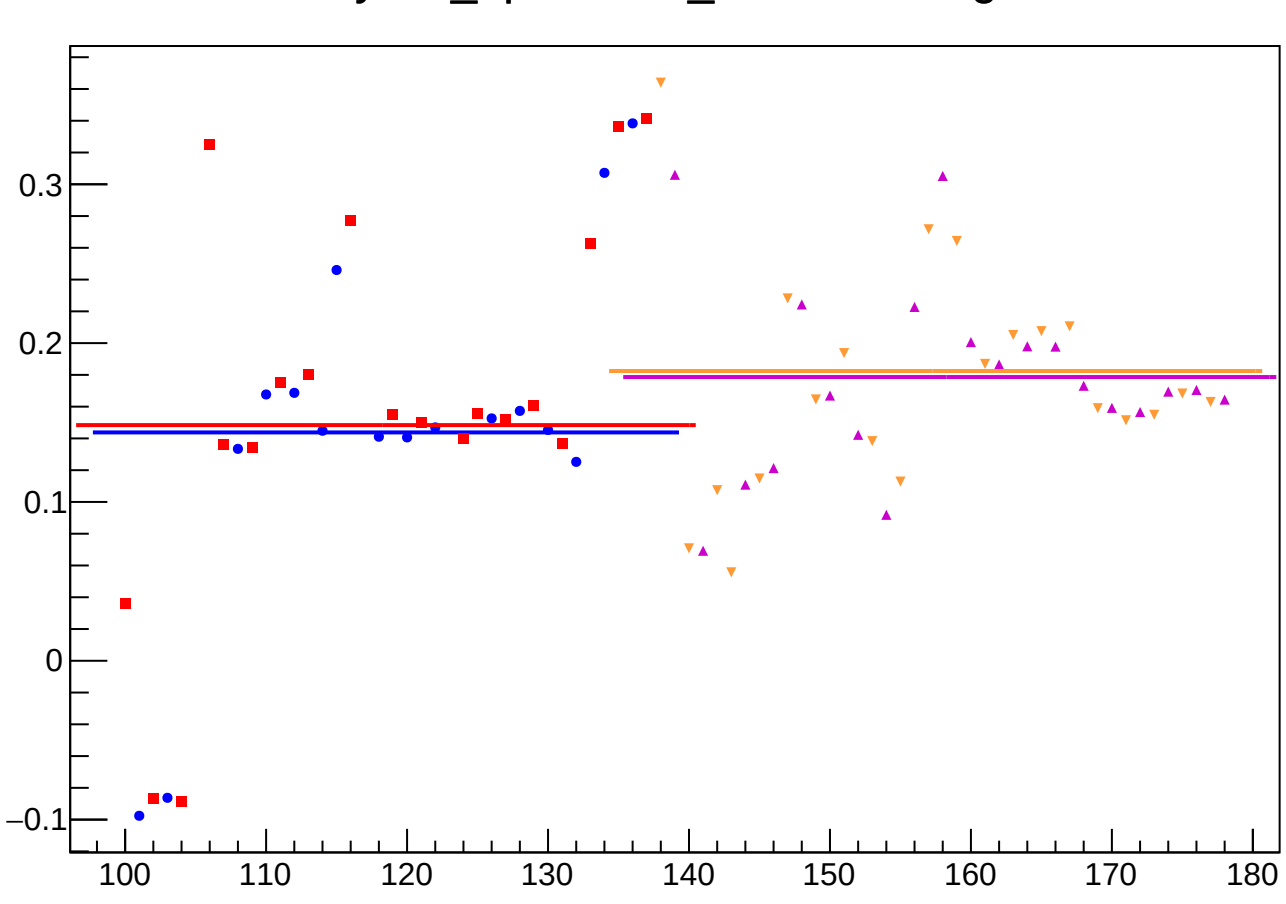
Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.011+/-0.000 χ^2/NDF:252133.2/19

+ sign 0.011+/-0.000 χ^2/NDF: 374687.8/36

All: 0.011+/-0.000 χ^2/NDF: 797669.4/75

- sign 0.011+/-0.000 χ^2/NDF: 414839.0/38



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.182+/-0.000 χ^2/NDF:6373262649.6/20

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

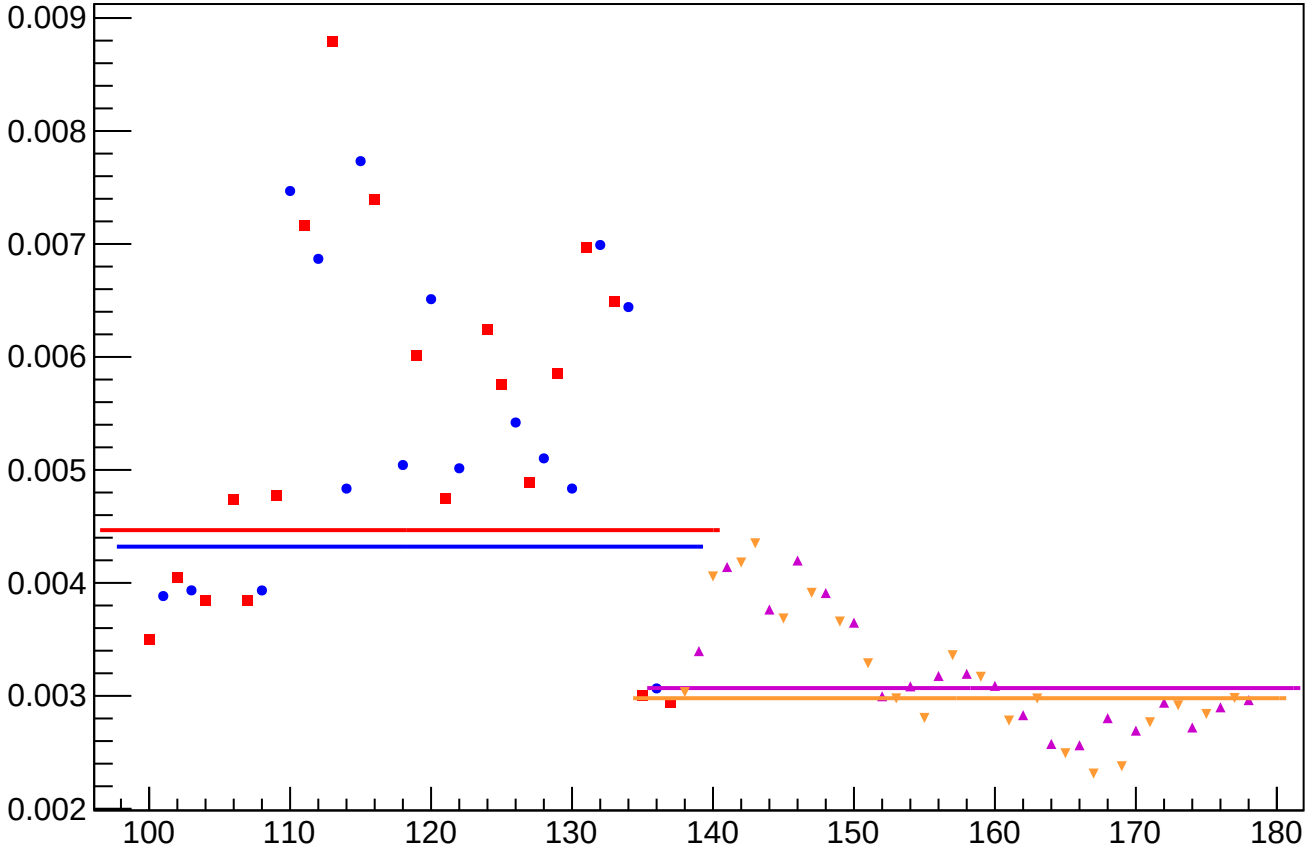
Left In: 0.179+/-0.000 χ^2/NDF:4590768294.1/19

+ sign 0.177+/-0.000 χ^2/NDF: 14629064278.7/36

All: 0.175+/-0.000 χ^2/NDF: 26584762627.2/7

- sign 0.174+/-0.000 χ^2/NDF: 11948579951.1/38

yield_bpm0l09Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 878343.4/15

Left Out: 0.003+/-0.000 χ^2/NDF:843821.7/20

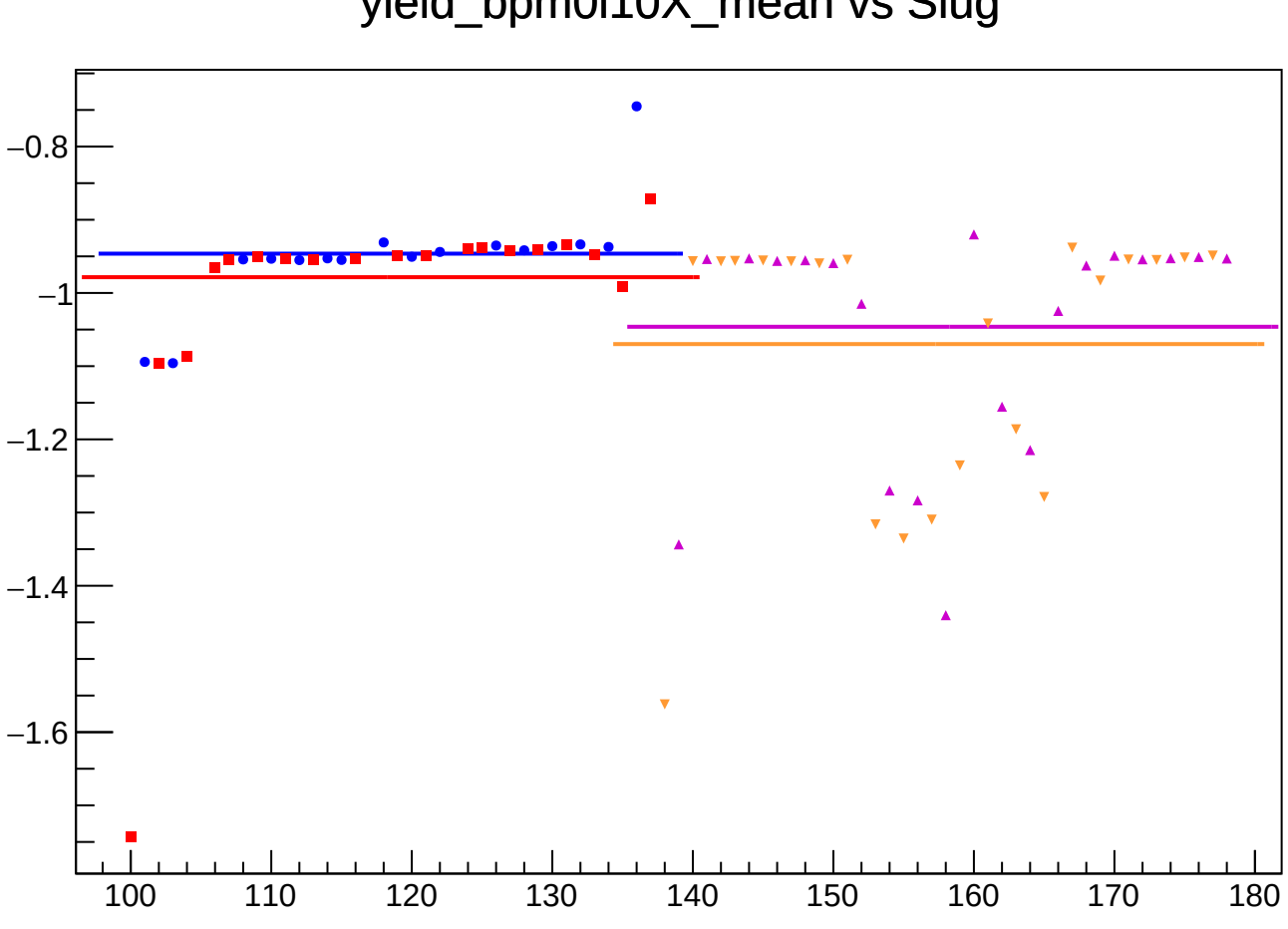
Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.003+/-0.000 χ^2/NDF:575441.9/19

+ sign 0.003+/-0.000 χ^2/NDF: 2658329.7/36

All: 0.003+/-0.000 χ^2/NDF: 5320701.7/75

- sign 0.003+/-0.000 χ^2/NDF: 2640185.9/38



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.070+/-0.000 χ^2/NDF:4726517778.1/20

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

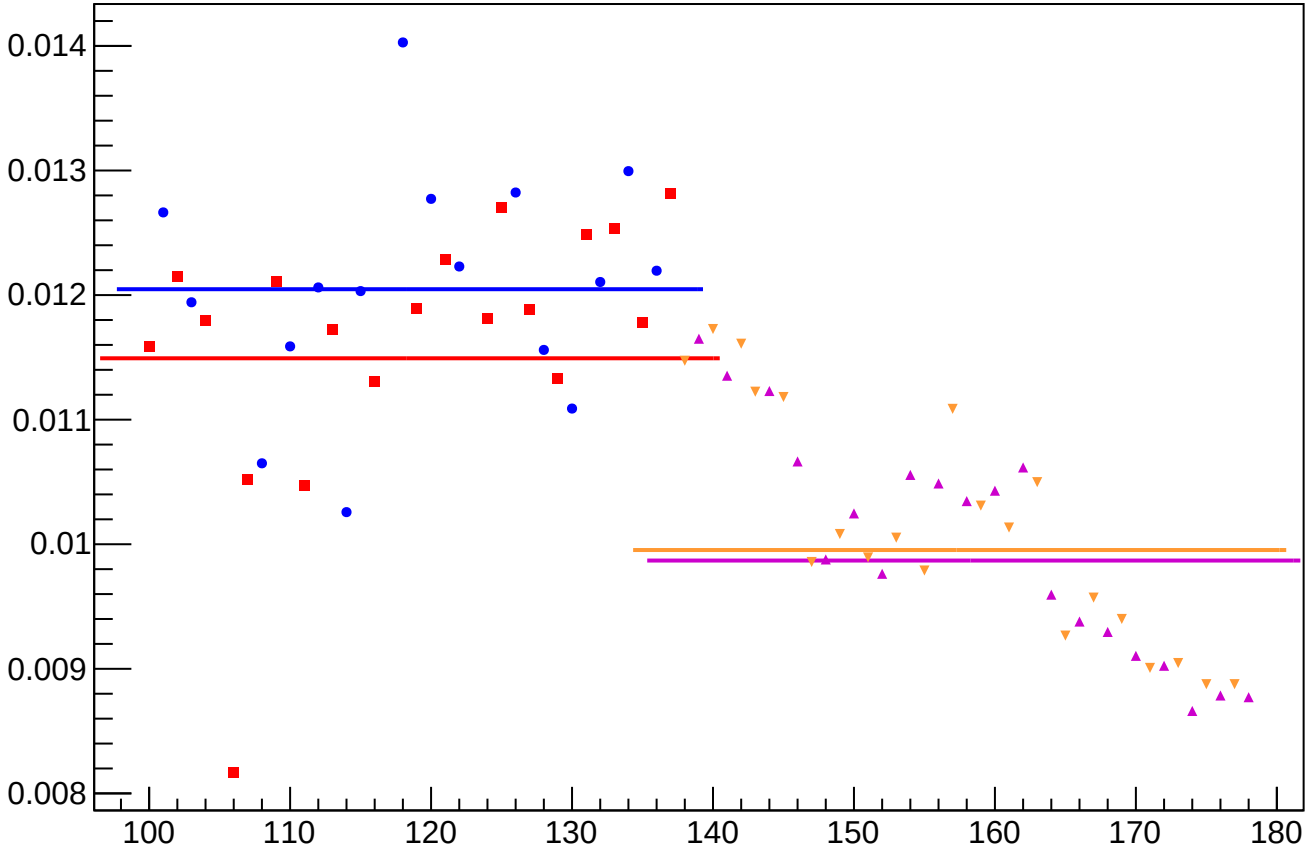
Left In: -1.046+/-0.000 χ^2/NDF:3753922833.7/19

+ sign -1.042+/-0.000 χ^2/NDF: 5688919420.6/36

All: -1.035+/-0.000 χ^2/NDF: 10106688253.6/

- sign -1.029+/-0.000 χ^2/NDF: 4400931722.9/38

yield_bpm0l10X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 62476.3/15

Left Out: 0.010+/-0.000 χ^2/NDF:235395.3/20

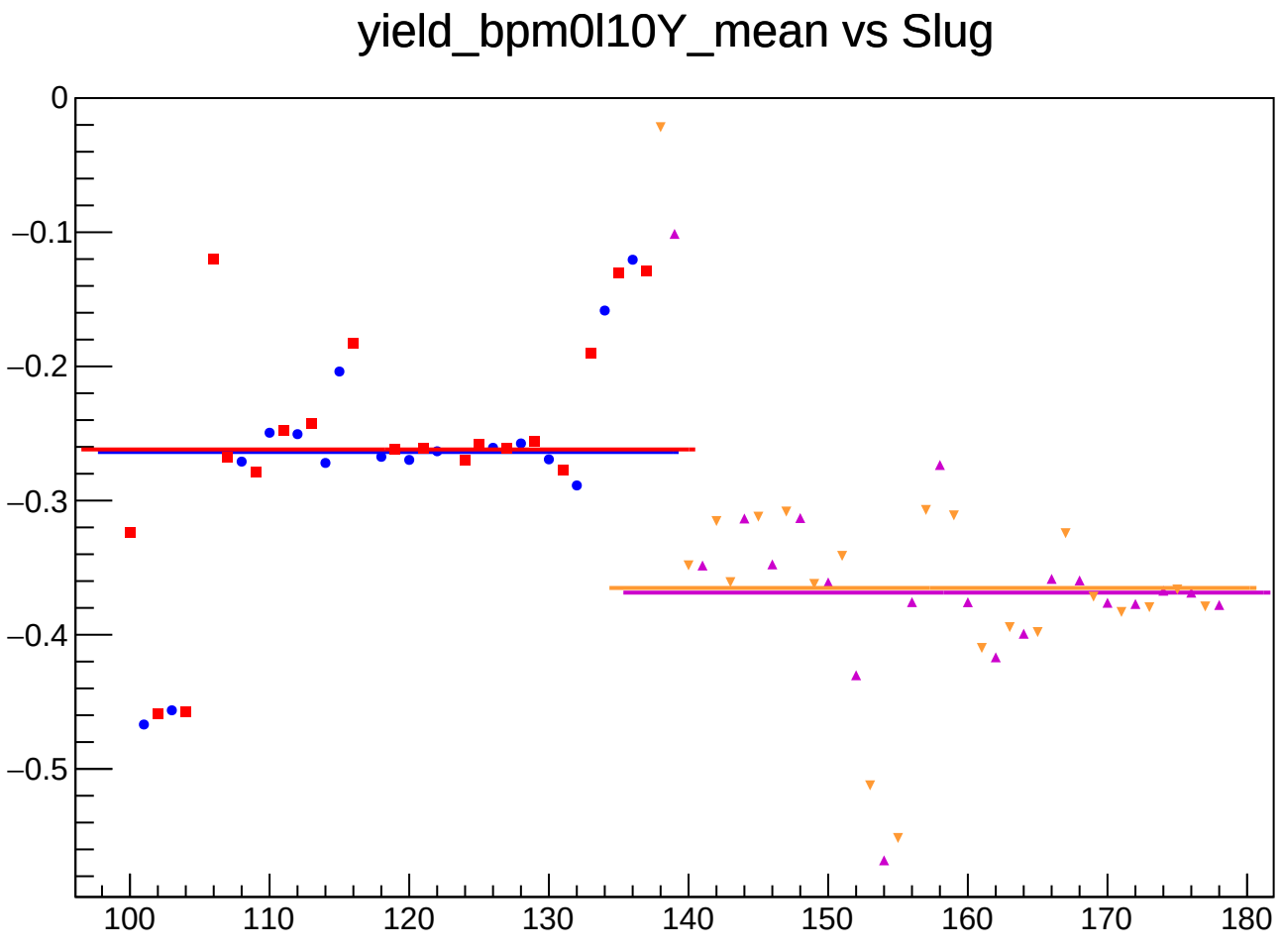
Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.010+/-0.000 χ^2/NDF:245483.0/19

+ sign 0.010+/-0.000 χ^2/NDF: 618361.1/36

All: 0.010+/-0.000 χ^2/NDF: 1233629.1/75

- sign 0.010+/-0.000 χ^2/NDF: 610428.0/38



Right In: -0.264+/-0.000 χ^2/NDF: 6106171444.3/15

Left Out: -0.365+/-0.000 χ^2/NDF:11916026130.6/20

Right Out: -0.262+/-0.000 χ^2/NDF: 5250043427.3/18

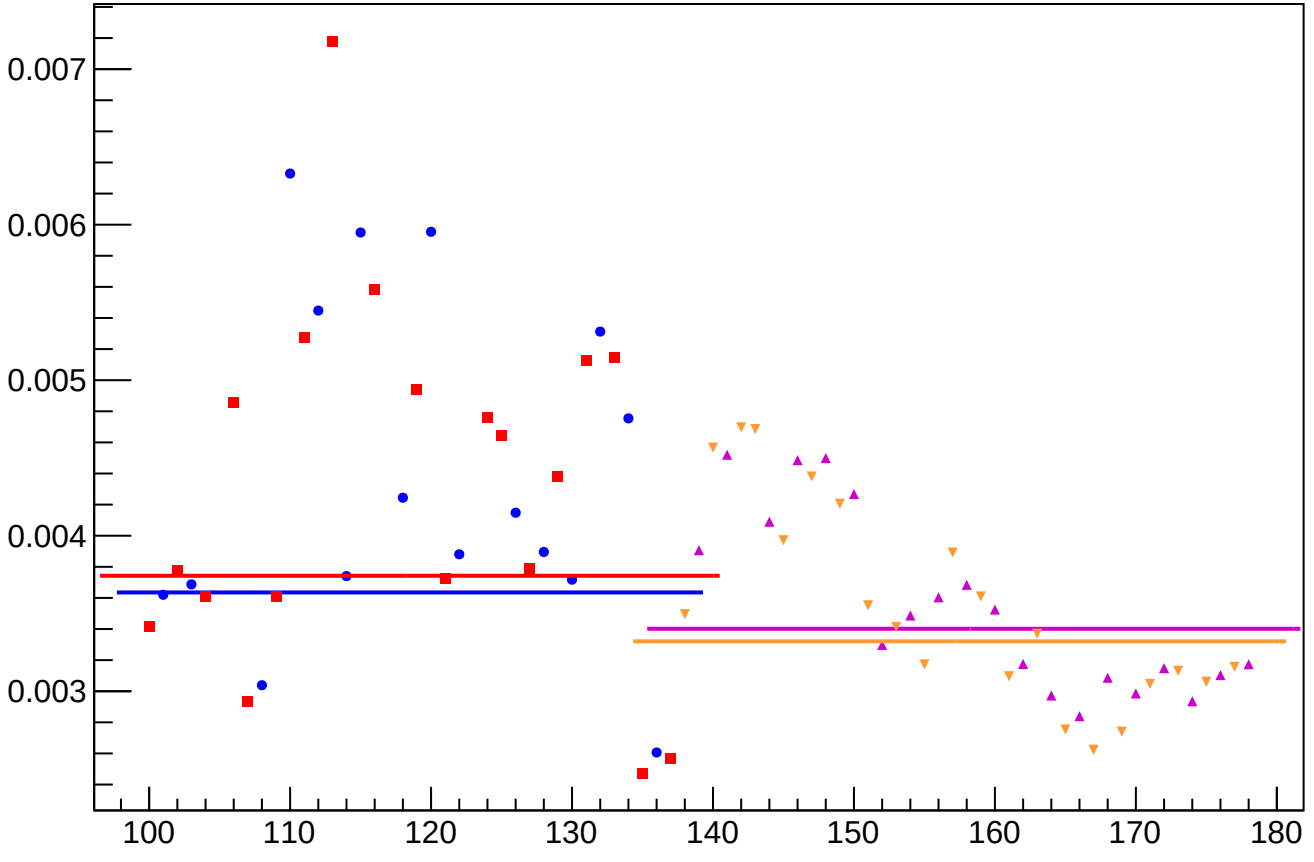
Left In: -0.369+/-0.000 χ^2/NDF:7575215493.1/19

+ sign -0.341+/-0.000 χ^2/NDF: 21418358851.2/36

All: -0.341+/-0.000 χ^2/NDF: 37906873922.4/

- sign -0.342+/-0.000 χ^2/NDF: 16487376815.4/38

yield_bpm0l10Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 728598.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:807700.7/20

Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

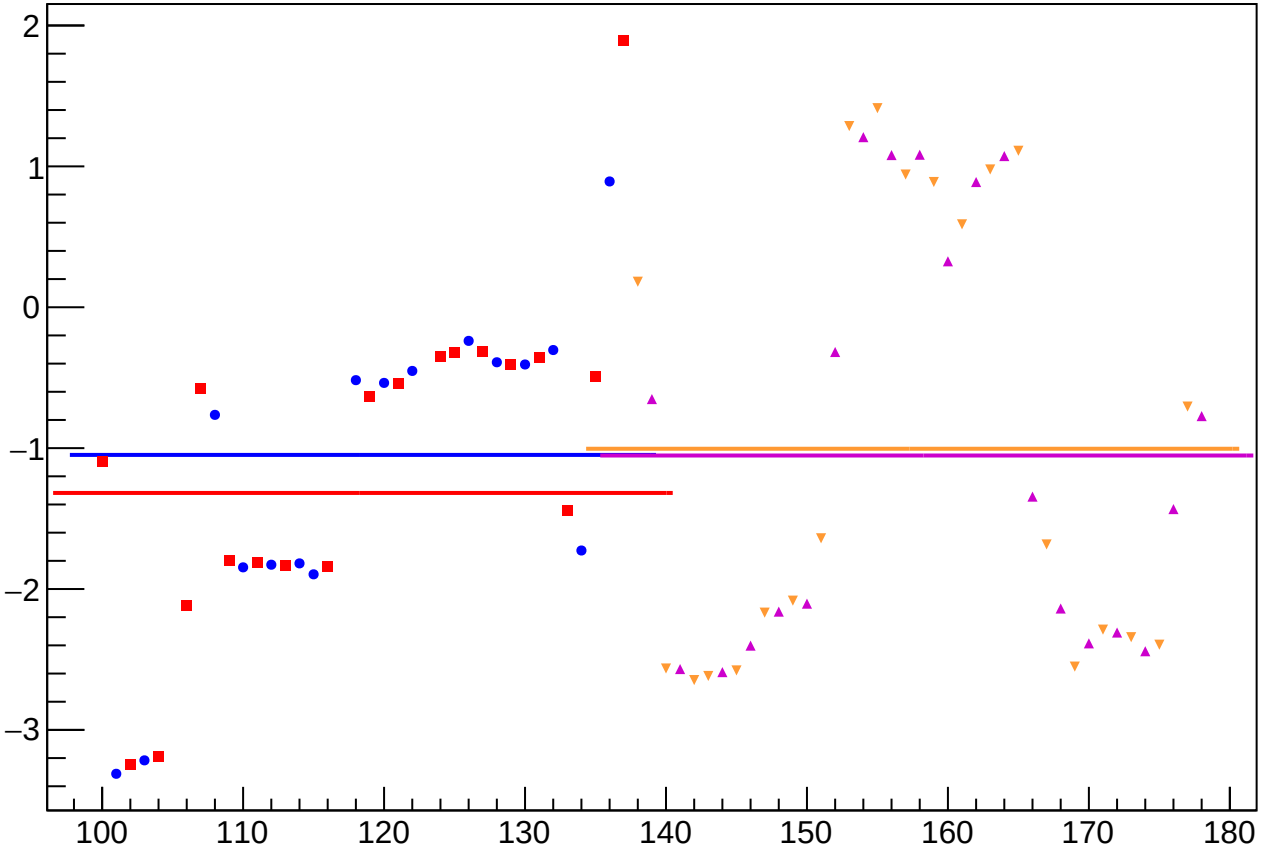
Left In: 0.003+/-0.000 χ^2/NDF:613009.5/19

+ sign 0.003+/-0.000 χ^2/NDF: 1601637.9/36

All: 0.003+/-0.000 χ^2/NDF: 3197882.0/75

- sign 0.003+/-0.000 χ^2/NDF: 1581929.9/38

yield_bpm0r03X_mean vs Slug



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -1.004+/-0.000 χ^2/NDF:7151267583.5/20

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

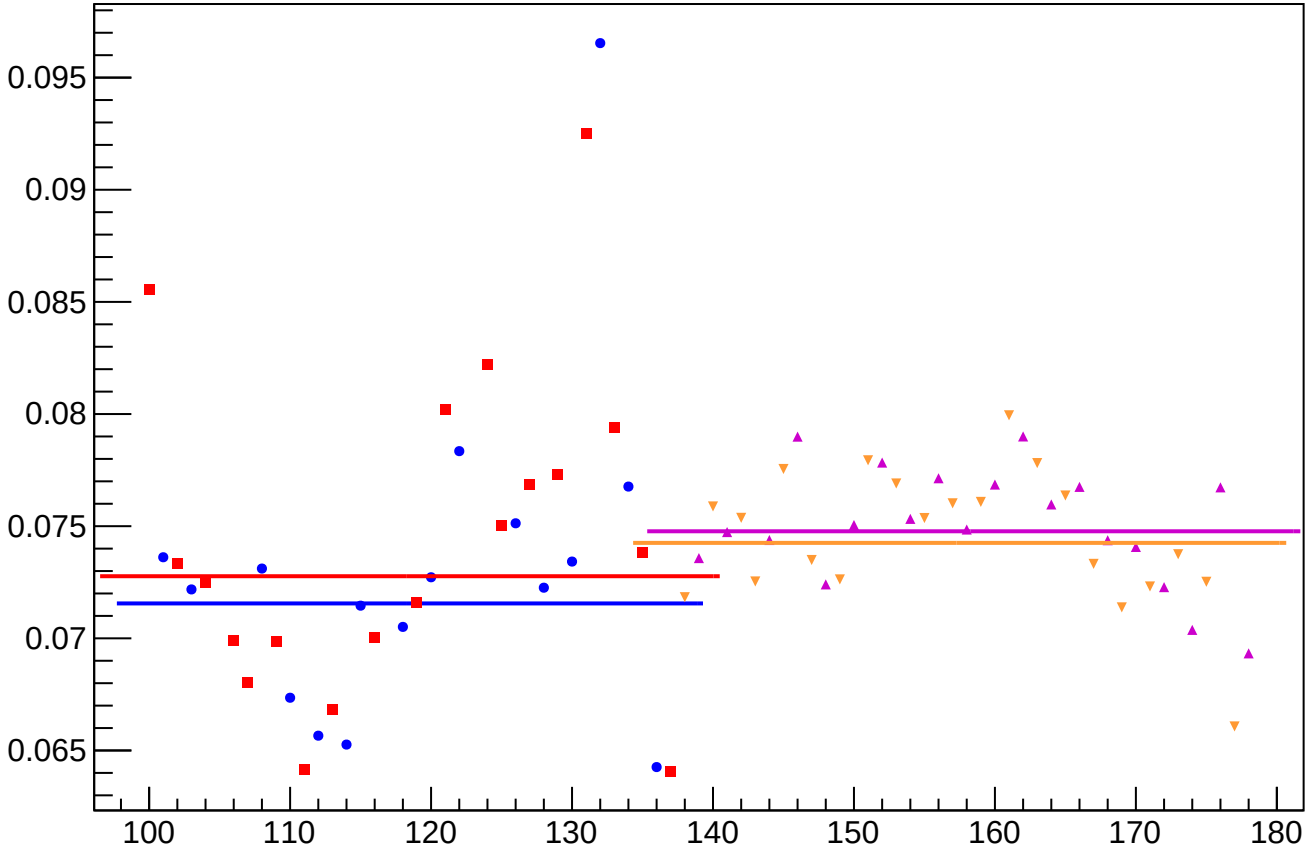
Left In: -1.052+/-0.000 χ^2/NDF:5827600925.6/19

+ sign -1.018+/-0.000 χ^2/NDF: 9500082358.5/36

All: -1.077+/-0.000 χ^2/NDF: 17272174329.9/

- sign -1.138+/-0.000 χ^2/NDF: 7741107692.2/38

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:57706.9/20

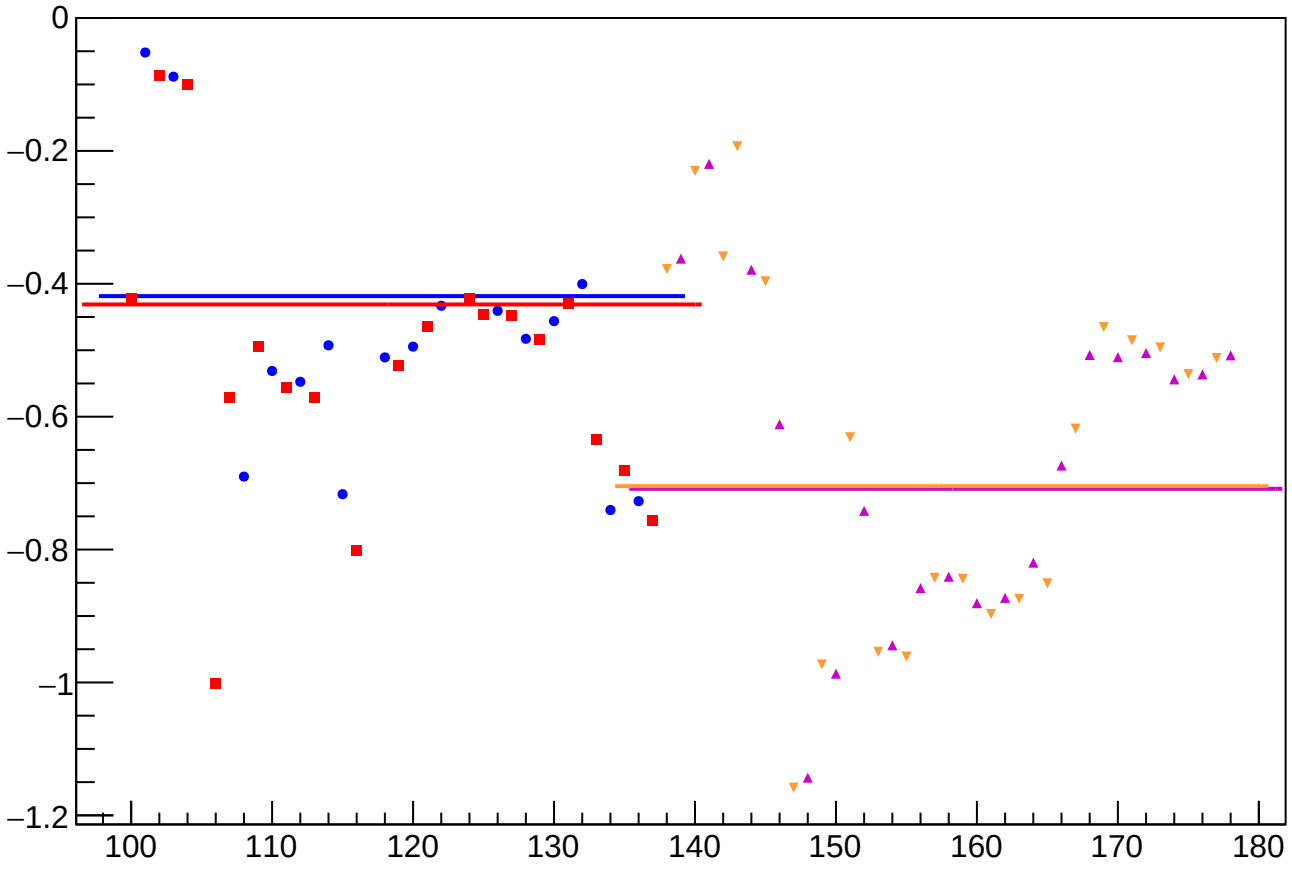
Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.075+/-0.000 χ^2/NDF:37423.3/19

+ sign 0.073+/-0.000 χ^2/NDF: 172610.9/36

All: 0.074+/-0.000 χ^2/NDF: 316581.1/75

- sign 0.074+/-0.000 χ^2/NDF: 141746.6/38



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.705+/-0.000 χ^2/NDF:20082155502.0/20

Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

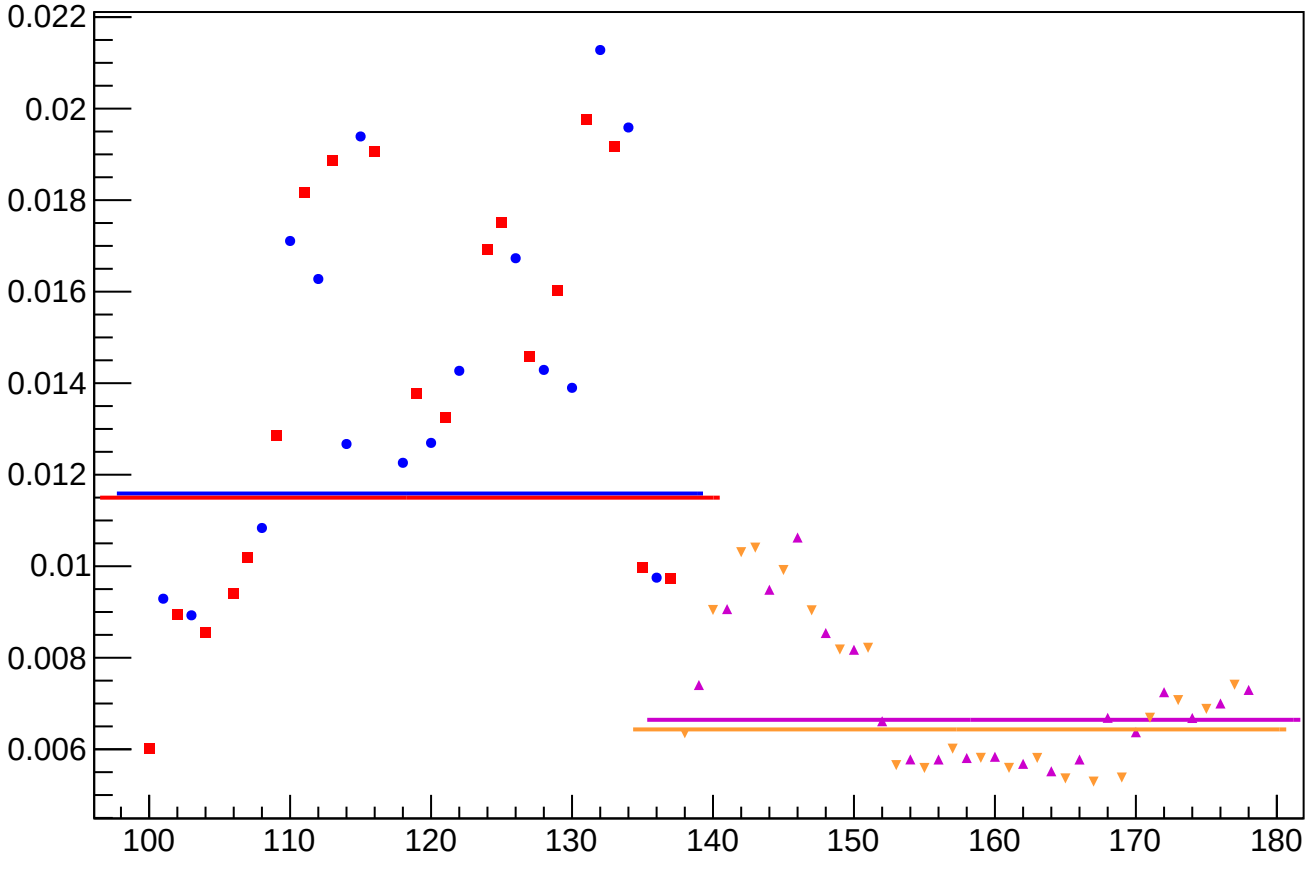
Left In: -0.709+/-0.000 χ^2/NDF:15610724388.4/19

+ sign -0.674+/-0.000 χ^2/NDF: 26391236280.0/36

All: -0.675+/-0.000 χ^2/NDF: 48280782789.7/

- sign -0.676+/-0.000 χ^2/NDF: 21888733359.6/38

yield_bpm0r03Y_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 786260.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:1268882.8/20

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

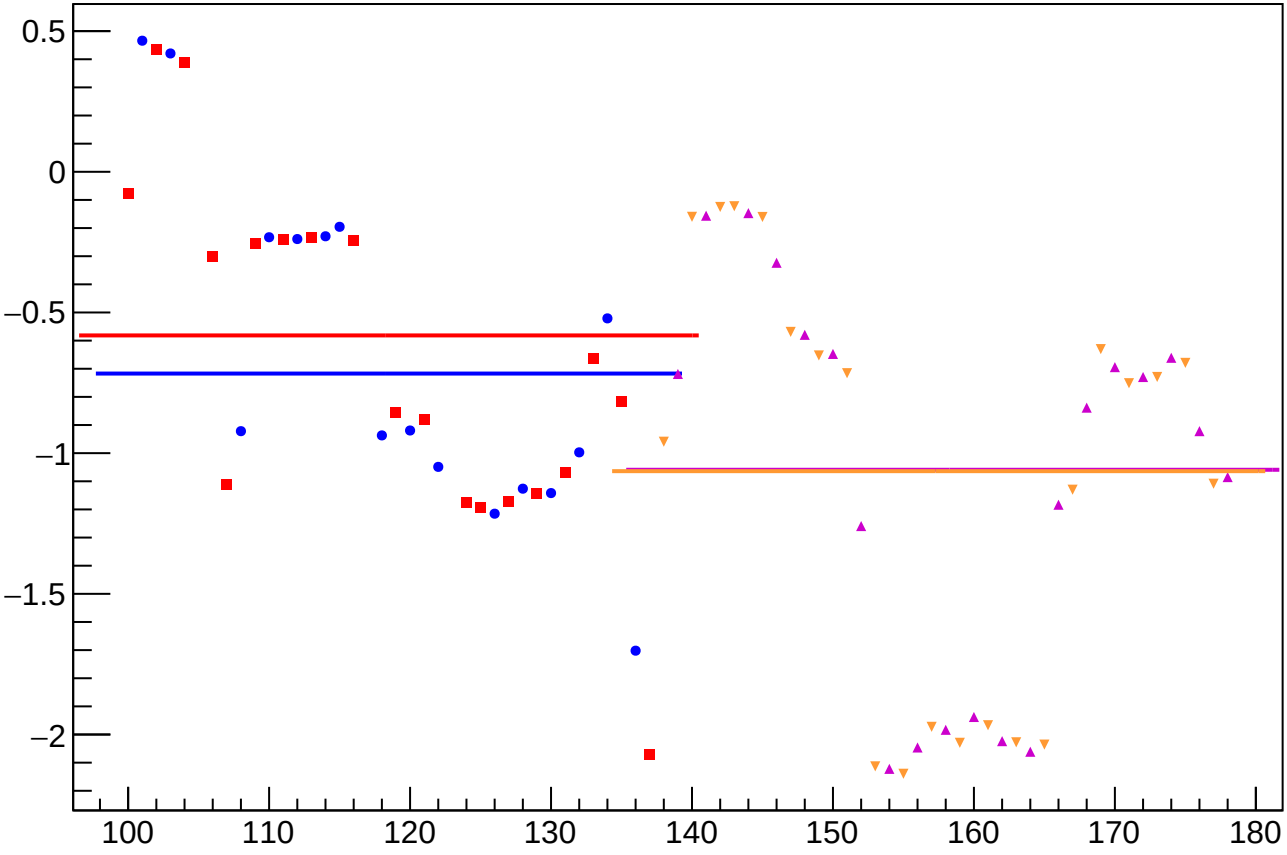
Left In: 0.007+/-0.000 χ^2/NDF:906566.6/19

+ sign 0.007+/-0.000 χ^2/NDF: 4158368.7/36

All: 0.007+/-0.000 χ^2/NDF: 8137530.9/75

- sign 0.007+/-0.000 χ^2/NDF: 3958663.0/38

yield_bpm0r05X_mean vs Slug



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -1.064+/-0.000 χ^2/NDF:1147977822.3/20

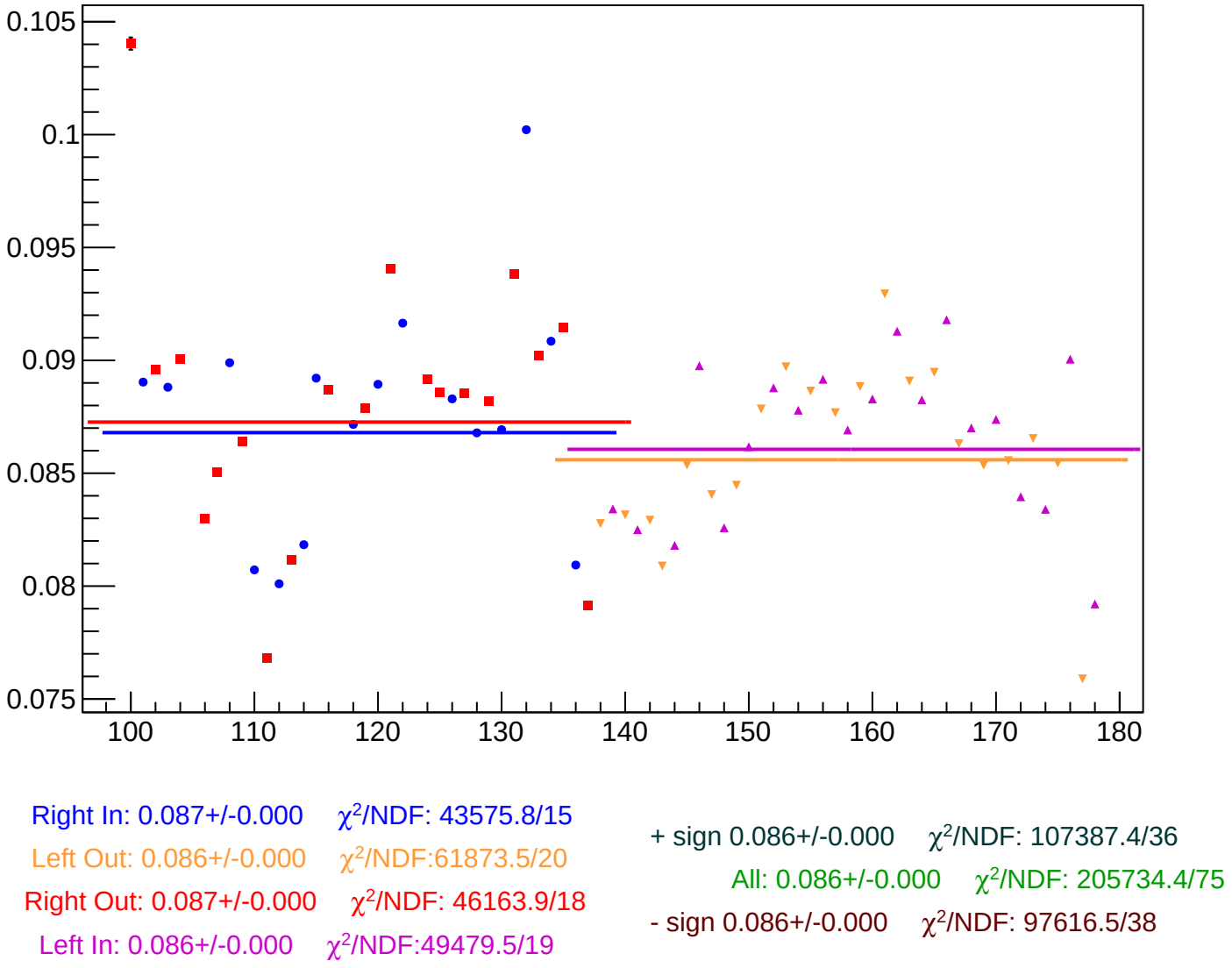
Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

Left In: -1.059+/-0.000 χ^2/NDF:973003210.7/19

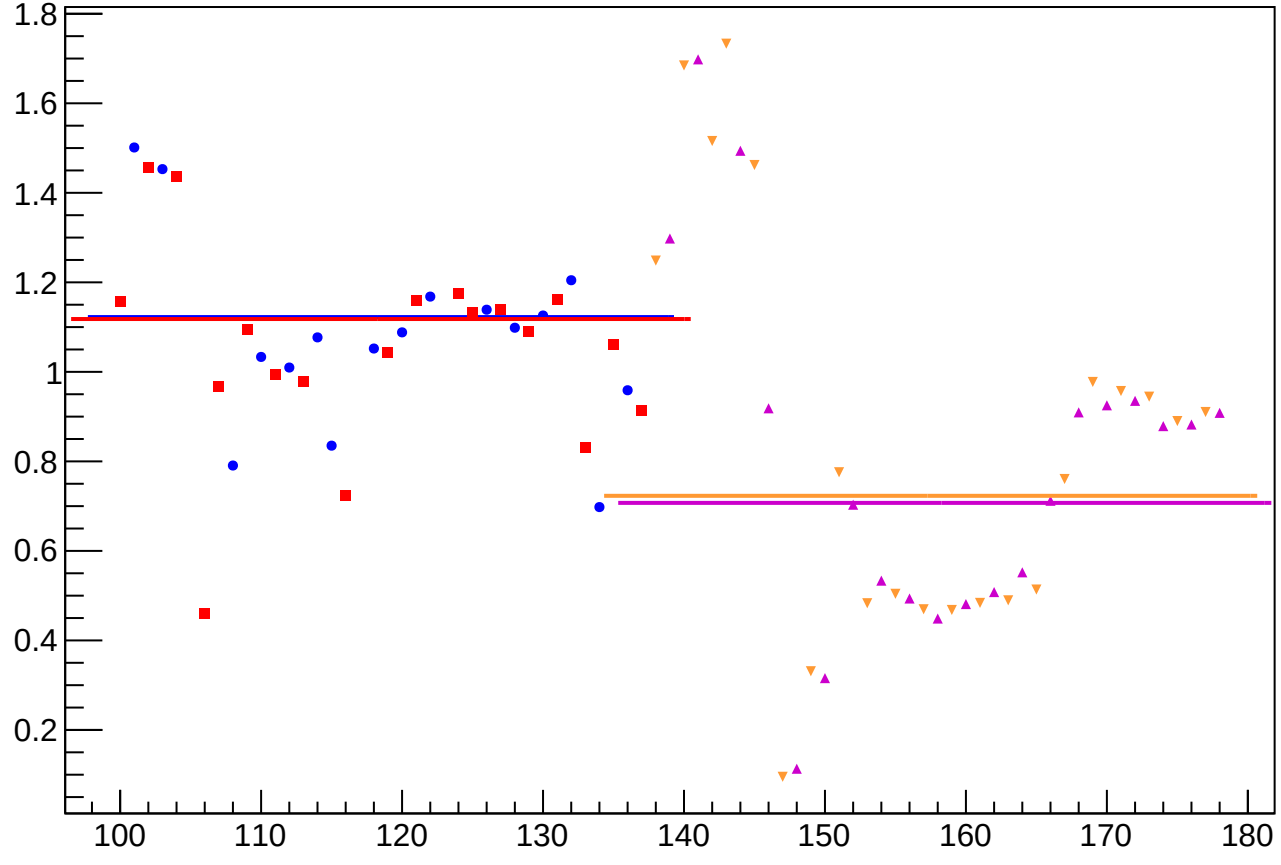
+ sign -0.961+/-0.000 χ^2/NDF: 1666001552.2/36

All: -0.937+/-0.000 χ^2/NDF: 3139021079.0/7

- sign -0.912+/-0.000 χ^2/NDF: 1469100543.9/38


yield_bpm0r05X_rms vs Slug
0.105
0.1
0.095
0.09
0.085
0.08
0.075
100
110
120
130
140
150
160
170
180
Right In: 0.087+/-0.000 χ²/NDF: 43575.8/15
Left Out: 0.086+/-0.000 χ²/NDF:61873.5/20
Right Out: 0.087+/-0.000 χ²/NDF: 46163.9/18
Left In: 0.086+/-0.000 χ²/NDF:49479.5/19
+ sign 0.086+/-0.000 χ²/NDF: 107387.4/36
All: 0.086+/-0.000 χ²/NDF: 205734.4/75
- sign 0.086+/-0.000 χ²/NDF: 97616.5/38

yield_bpm0r05Y_mean vs Slug



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 0.723+/-0.000 χ^2/NDF:31590914489.7/20

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

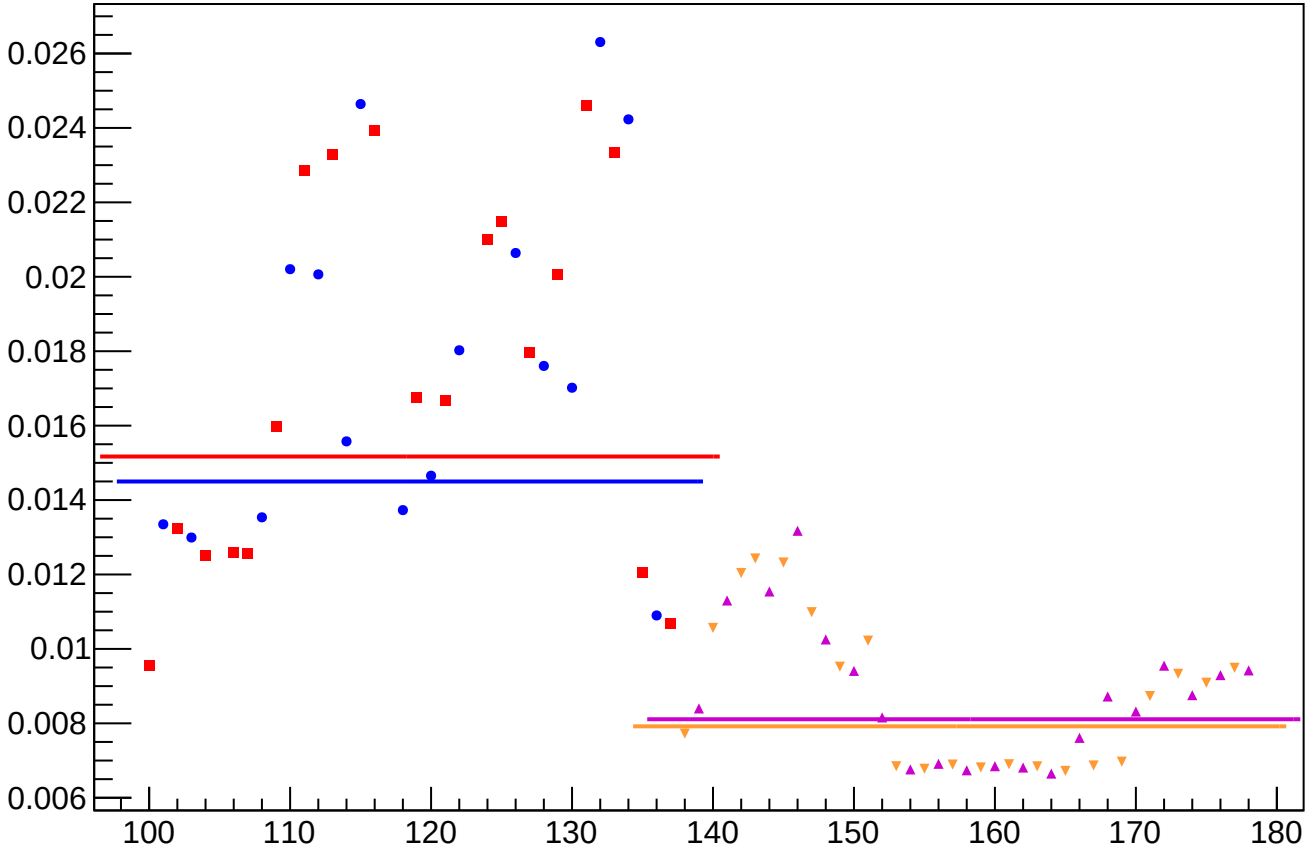
Left In: 0.707+/-0.000 χ^2/NDF:24867417490.5/19

+ sign 0.765+/-0.000 χ^2/NDF: 37101673246.0/36

All: 0.758+/-0.000 χ^2/NDF: 67591608407.3/7

- sign 0.750+/-0.000 χ^2/NDF: 30463090703.7/38

yield_bpm0r05Y_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 710345.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:1267641.9/20

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

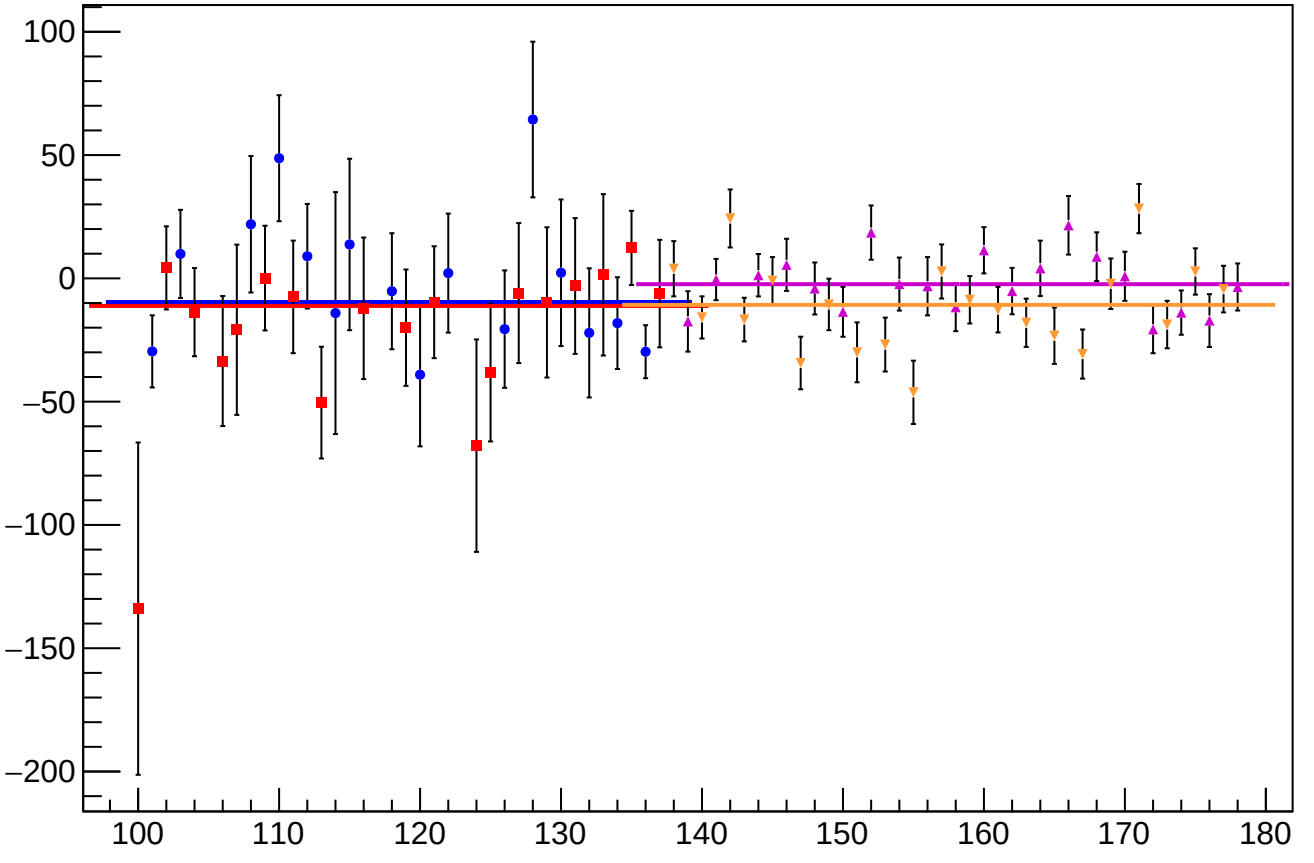
Left In: 0.008+/-0.000 χ^2/NDF:1061507.0/19

+ sign 0.009+/-0.000 χ^2/NDF: 4180615.0/36

All: 0.009+/-0.000 χ^2/NDF: 8500627.4/75

- sign 0.009+/-0.000 χ^2/NDF: 4304126.2/38

diff_bpm4aX_mean vs Slug



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -10.757+/-2.217 χ^2/NDF:56.2/20

Right Out: -11.177+/-5.497 χ^2/NDF: 13.9/18

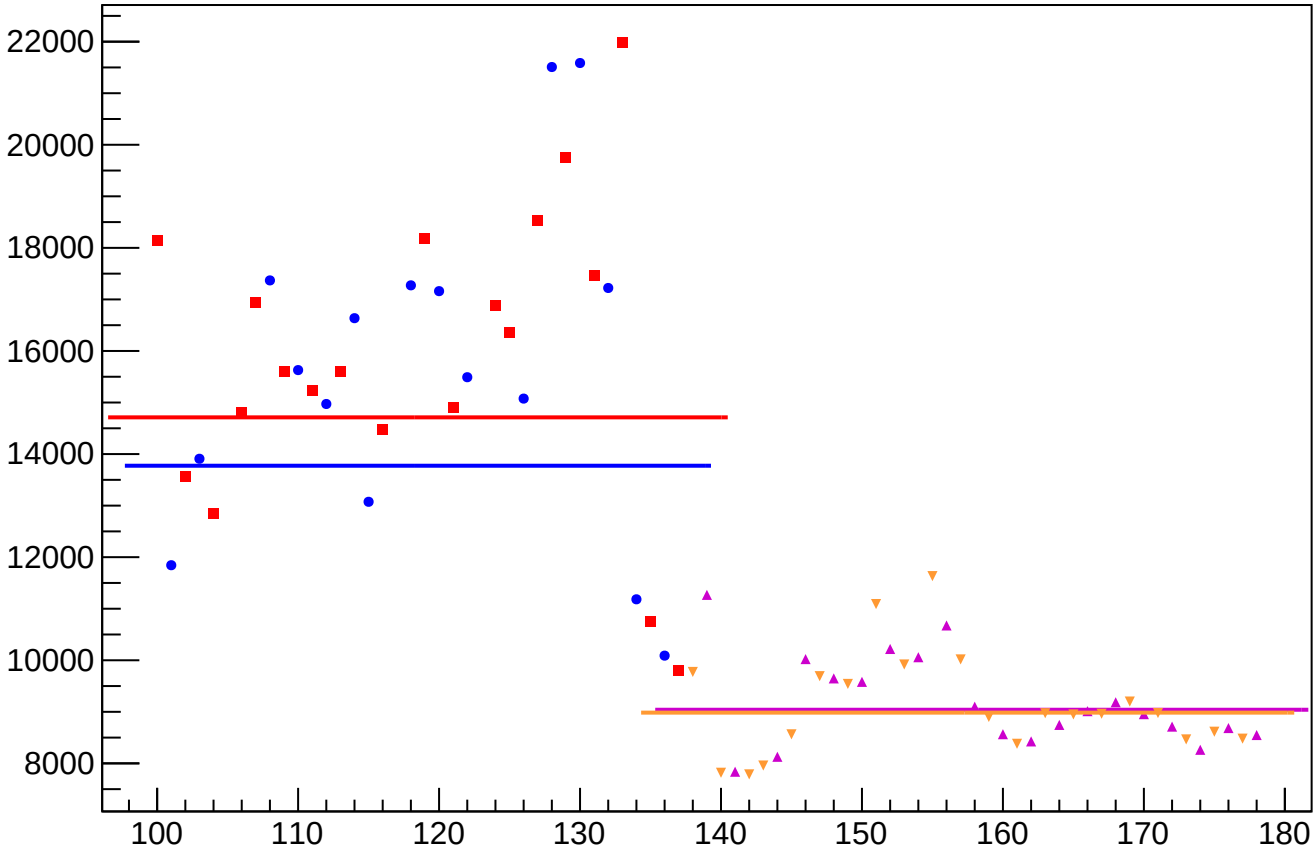
Left In: -2.358+/-2.250 χ^2/NDF:23.2/19

+ sign -10.581+/-2.044 χ^2/NDF: 78.2/36

All: -7.166+/-1.459 χ^2/NDF: 123.2/75

- sign -3.624+/-2.082 χ^2/NDF: 39.3/38

diff_bpm4aX_rms vs Slug



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 8984.383+/-1.567 χ^2/NDF:314670.0/20

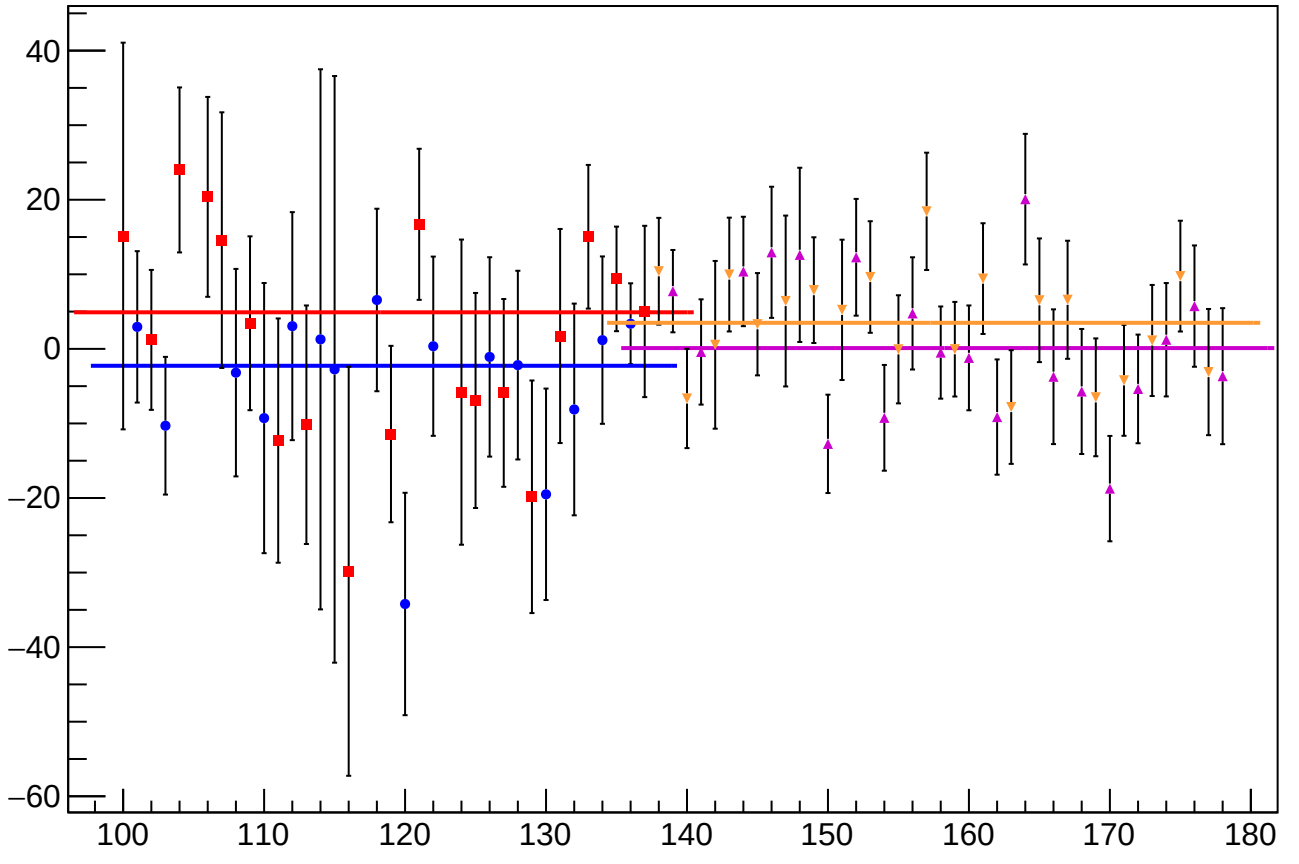
Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

Left In: 9040.245+/-1.591 χ^2/NDF:279112.5/19

+ sign 9699.561+/-1.446 χ^2/NDF: 2456543.2/36

All: 9775.425+/-1.032 χ^2/NDF: 5122254.2/75

- sign 9854.128+/-1.472 χ^2/NDF: 2660100.1/38



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 3.494+/-1.678 χ^2/NDF:16.6/20

Right Out: 4.904+/-2.836 χ^2/NDF: 17.6/18

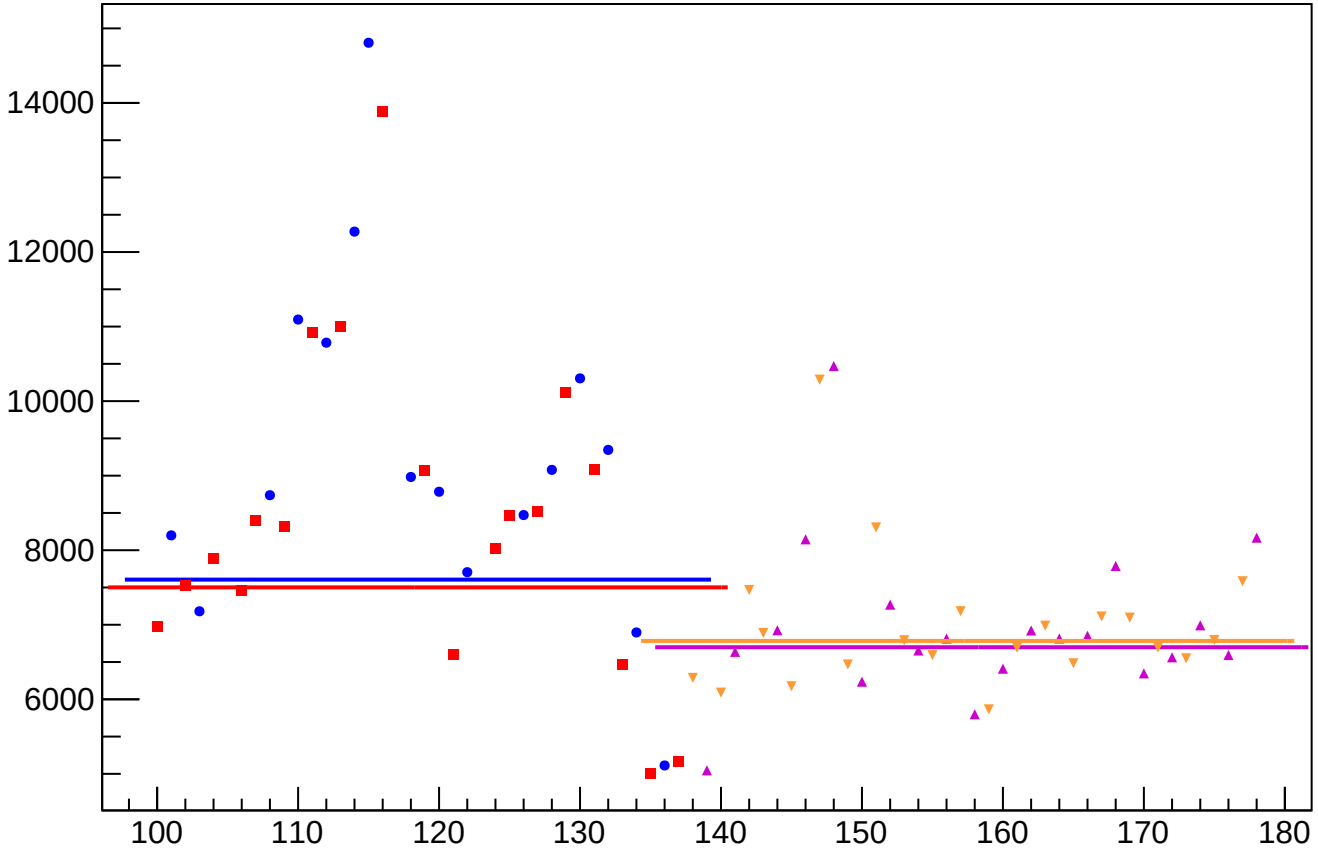
Left In: 0.107+/-1.680 χ^2/NDF:31.2/19

+ sign 2.065+/-1.455 χ^2/NDF: 28.8/36

All: 1.707+/-1.025 χ^2/NDF: 79.8/75

- sign 1.352+/-1.445 χ^2/NDF: 50.9/38

diff_bpm4aY_rms vs Slug



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6783.312+/-1.187 χ^2/NDF:377795.2/20

Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

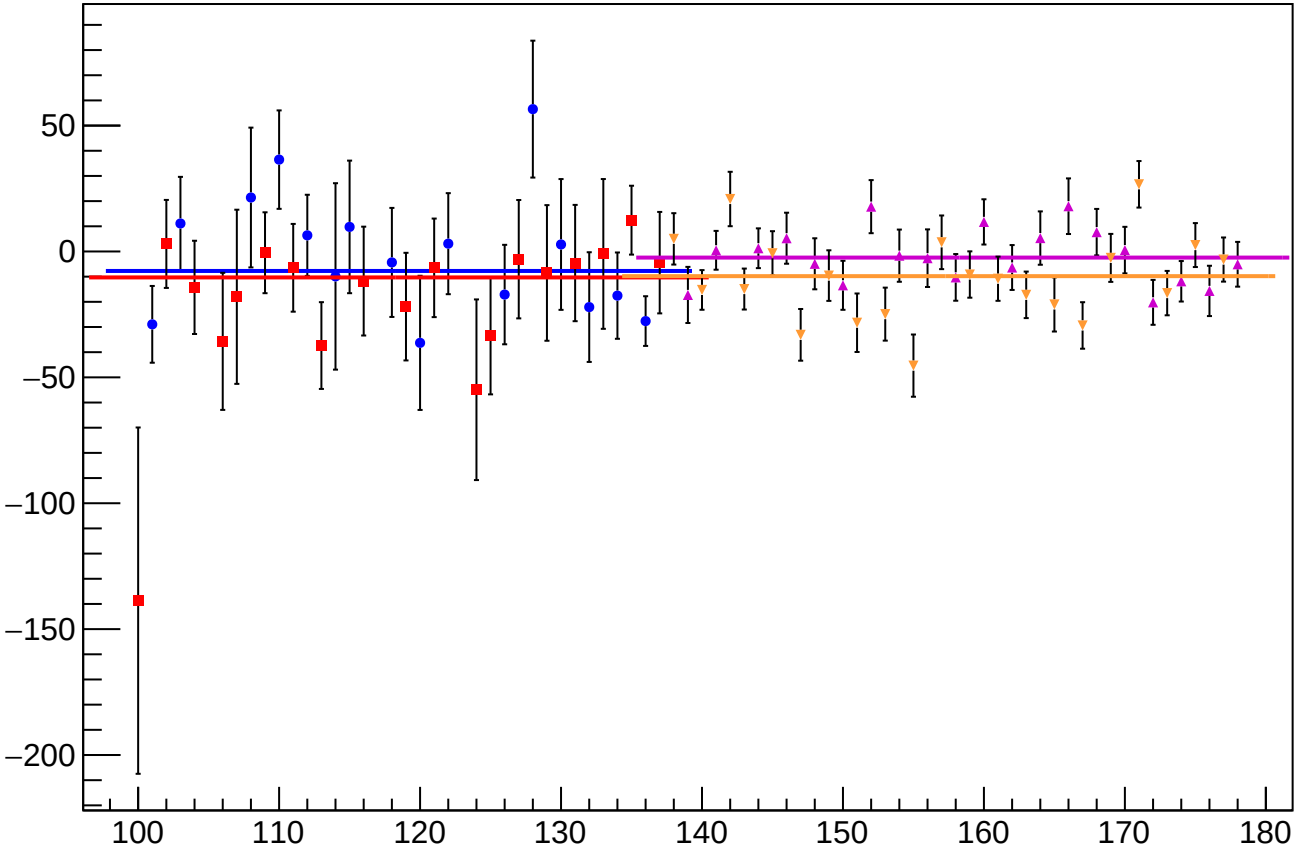
Left In: 6698.608+/-1.188 χ^2/NDF:607711.6/19

+ sign 6987.268+/-1.029 χ^2/NDF: 1388420.9/36

All: 6946.910+/-0.725 χ^2/NDF: 2941431.3/75

- sign 6907.105+/-1.022 χ^2/NDF: 1549954.8/38

diff_bpm4eX_mean vs Slug



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -9.803+/-2.075 χ^2/NDF:57.3/20

Right Out: -10.307+/-4.840 χ^2/NDF: 13.9/18

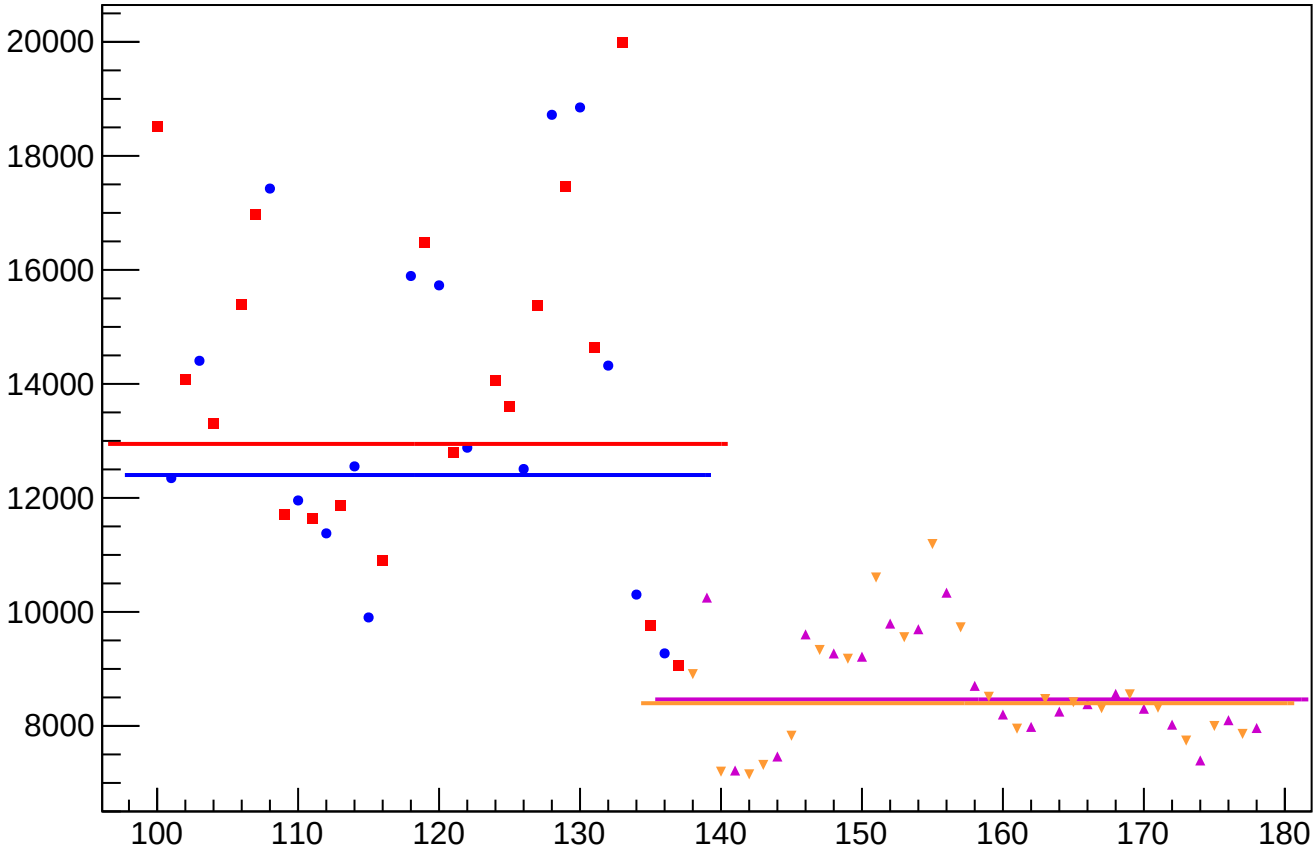
Left In: -2.428+/-2.109 χ^2/NDF:23.6/19

+ sign -9.472+/-1.902 χ^2/NDF: 80.1/36

All: -6.628+/-1.356 χ^2/NDF: 124.4/75

- sign -3.686+/-1.934 χ^2/NDF: 39.7/38

diff_bpm4eX_rms vs Slug



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 8398.569+/-1.467 χ^2/NDF:409477.7/20

Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

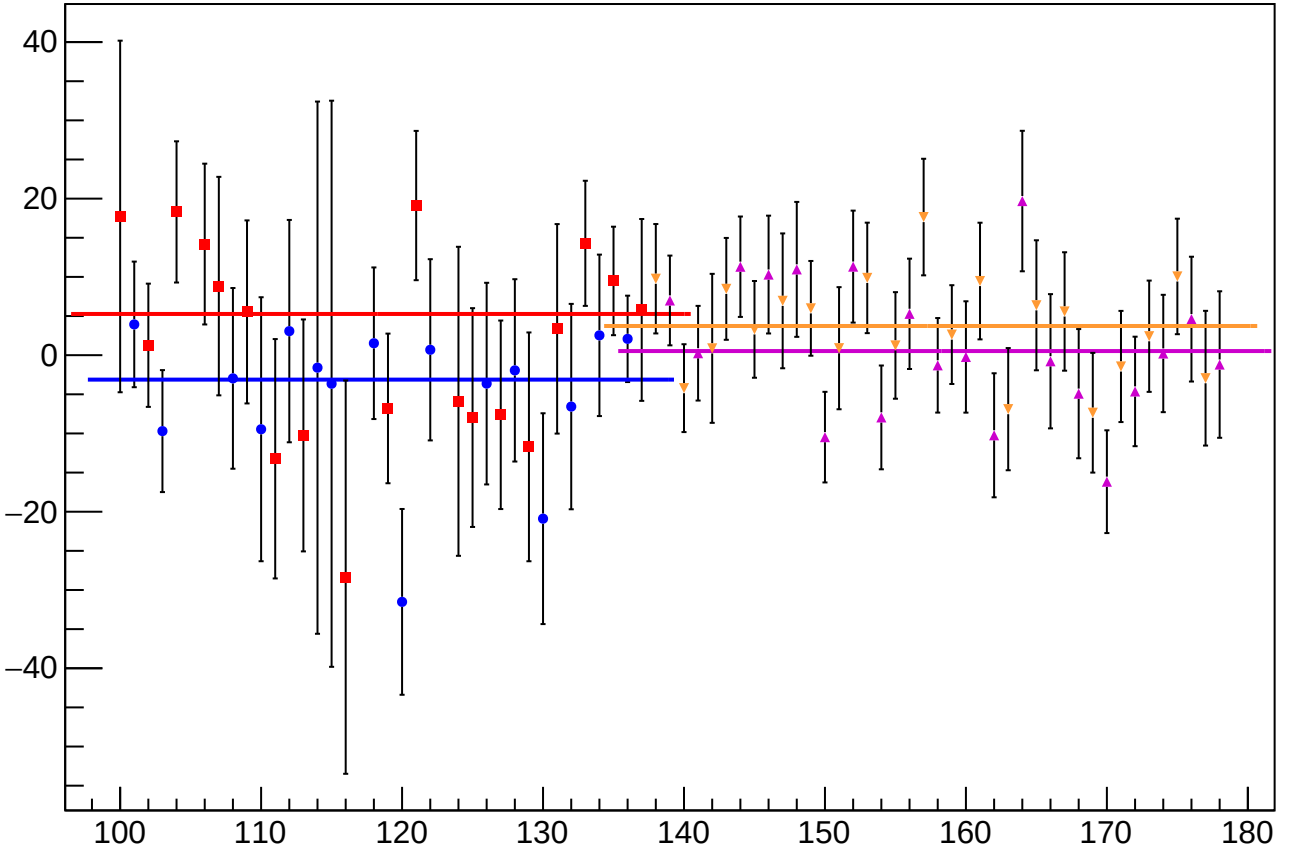
Left In: 8465.033+/-1.492 χ^2/NDF:359444.2/19

+ sign 9040.652+/-1.345 χ^2/NDF: 2281418.7/36

All: 9109.444+/-0.959 χ^2/NDF: 4642976.6/75

- sign 9180.581+/-1.367 χ^2/NDF: 2356233.8/38

diff_bpm4eY_mean vs Slug



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 3.728+/-1.562 χ^2/NDF:14.8/20

Right Out: 5.265+/-2.553 χ^2/NDF: 16.9/18

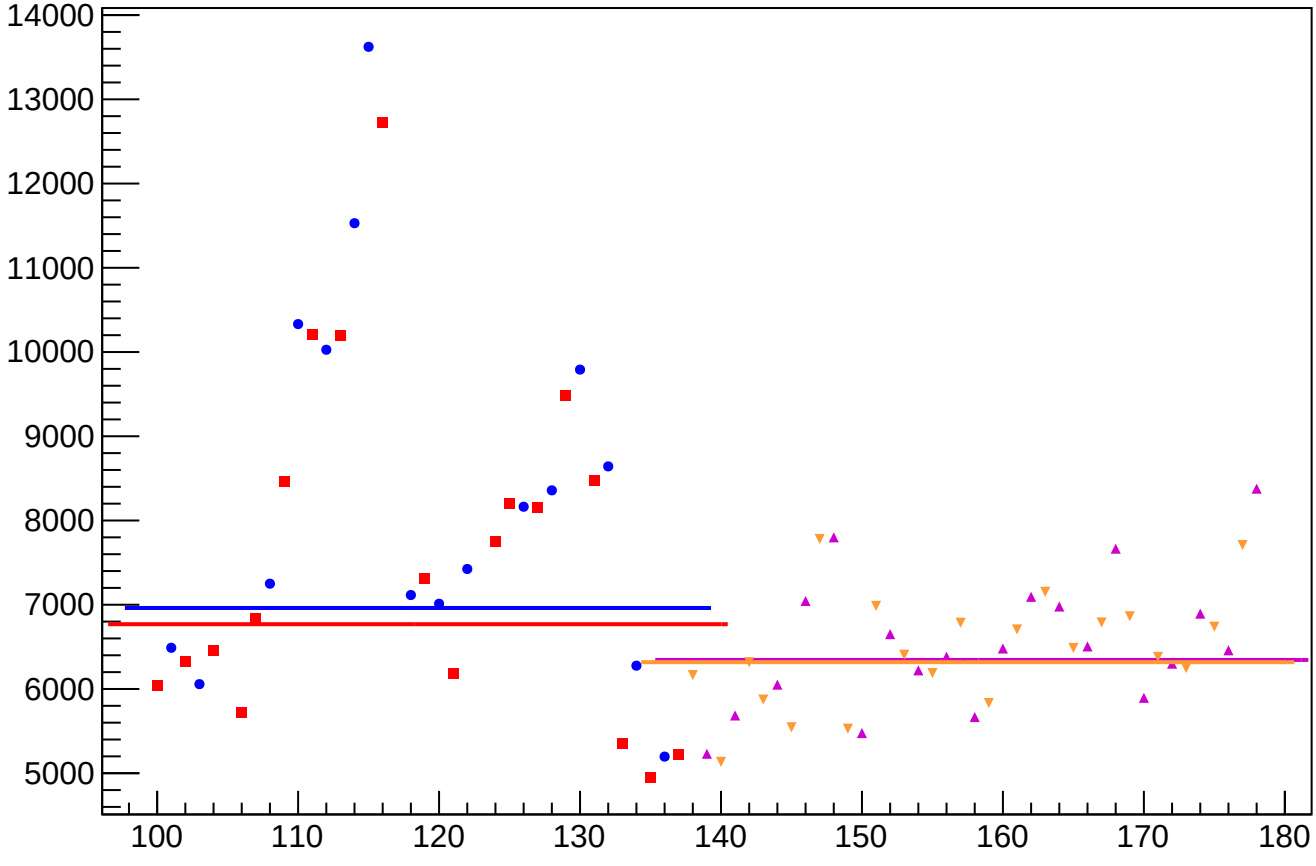
Left In: 0.526+/-1.585 χ^2/NDF:29.5/19

+ sign 1.968+/-1.346 χ^2/NDF: 30.6/36

All: 1.906+/-0.952 χ^2/NDF: 79.5/75

- sign 1.845+/-1.347 χ^2/NDF: 48.9/38

diff_bpm4eY_rms vs Slug



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 6318.090+/-1.104 χ^2/NDF:363866.8/20

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

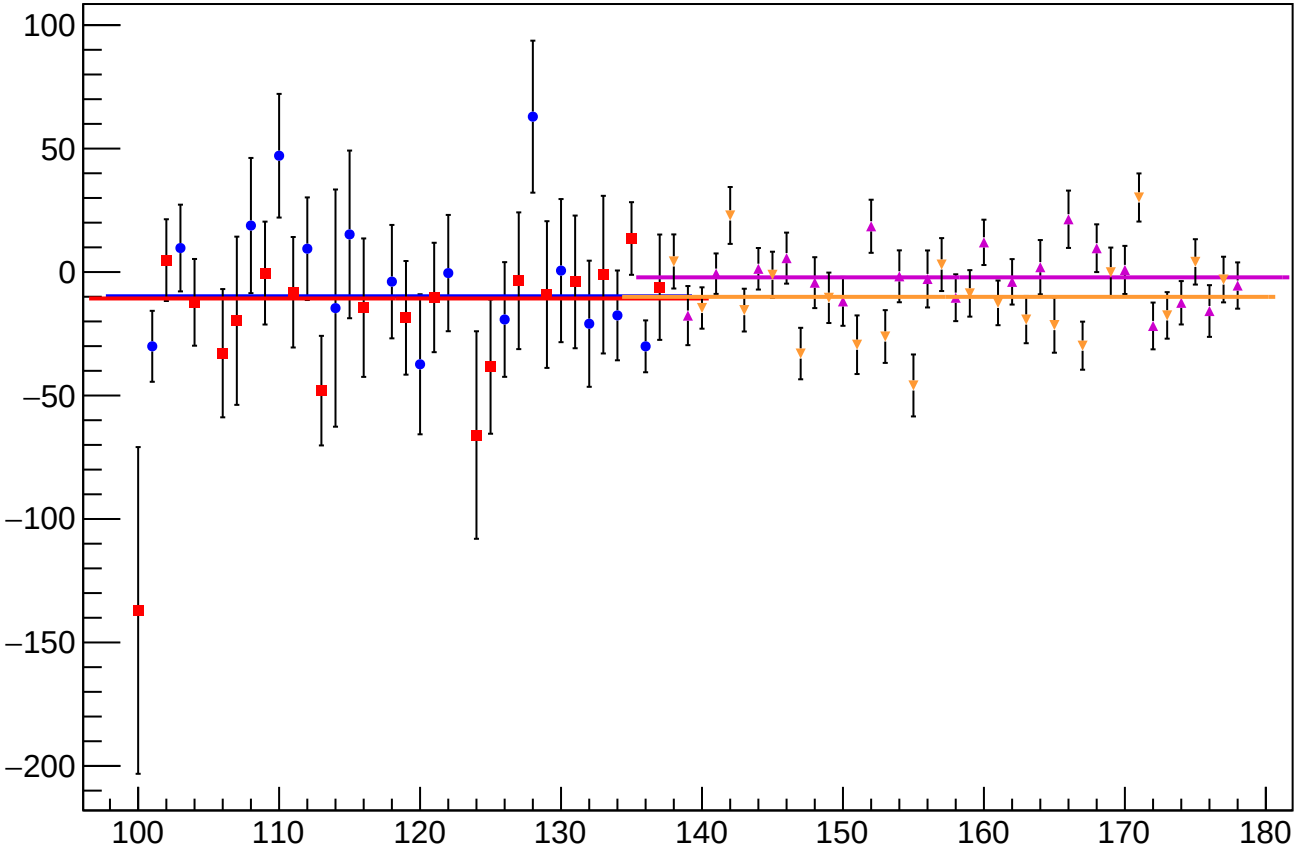
Left In: 6344.712+/-1.121 χ^2/NDF:447845.7/19

+ sign 6483.437+/-0.952 χ^2/NDF: 1147538.8/36

All: 6473.119+/-0.673 χ^2/NDF: 2433588.0/75

- sign 6462.790+/-0.952 χ^2/NDF: 1285814.1/38

diff_bpm4acX_mean vs Slug



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -10.045+/-2.167 χ^2/NDF:58.7/20

Right Out: -10.703+/-5.381 χ^2/NDF: 14.3/18

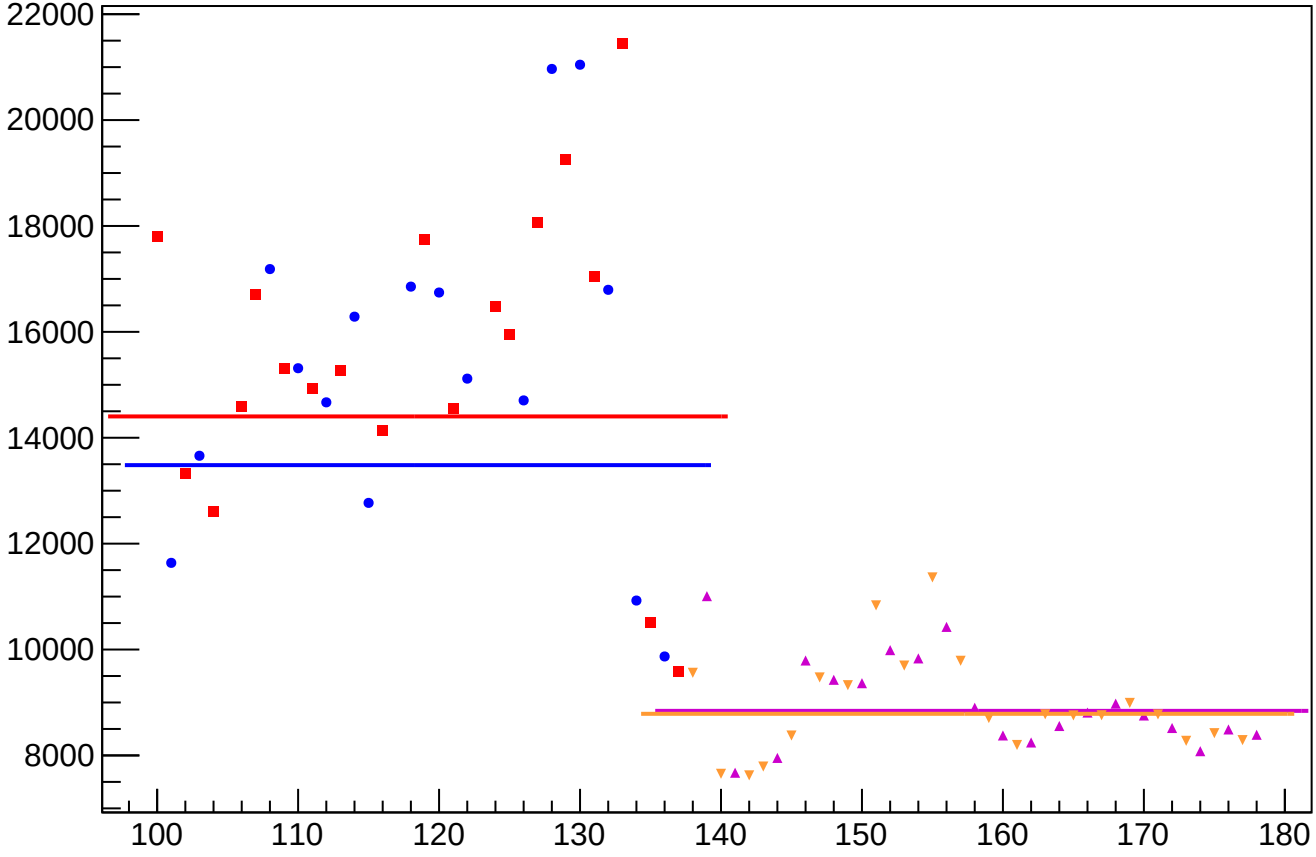
Left In: -2.142+/-2.200 χ^2/NDF:23.7/19

+ sign -10.010+/-1.999 χ^2/NDF: 80.8/36

All: -6.751+/-1.427 χ^2/NDF: 126.4/75

- sign -3.368+/-2.037 χ^2/NDF: 40.2/38

diff_bpm4acX_rms vs Slug



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8786.006+/-1.533 χ^2/NDF:311751.3/20

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

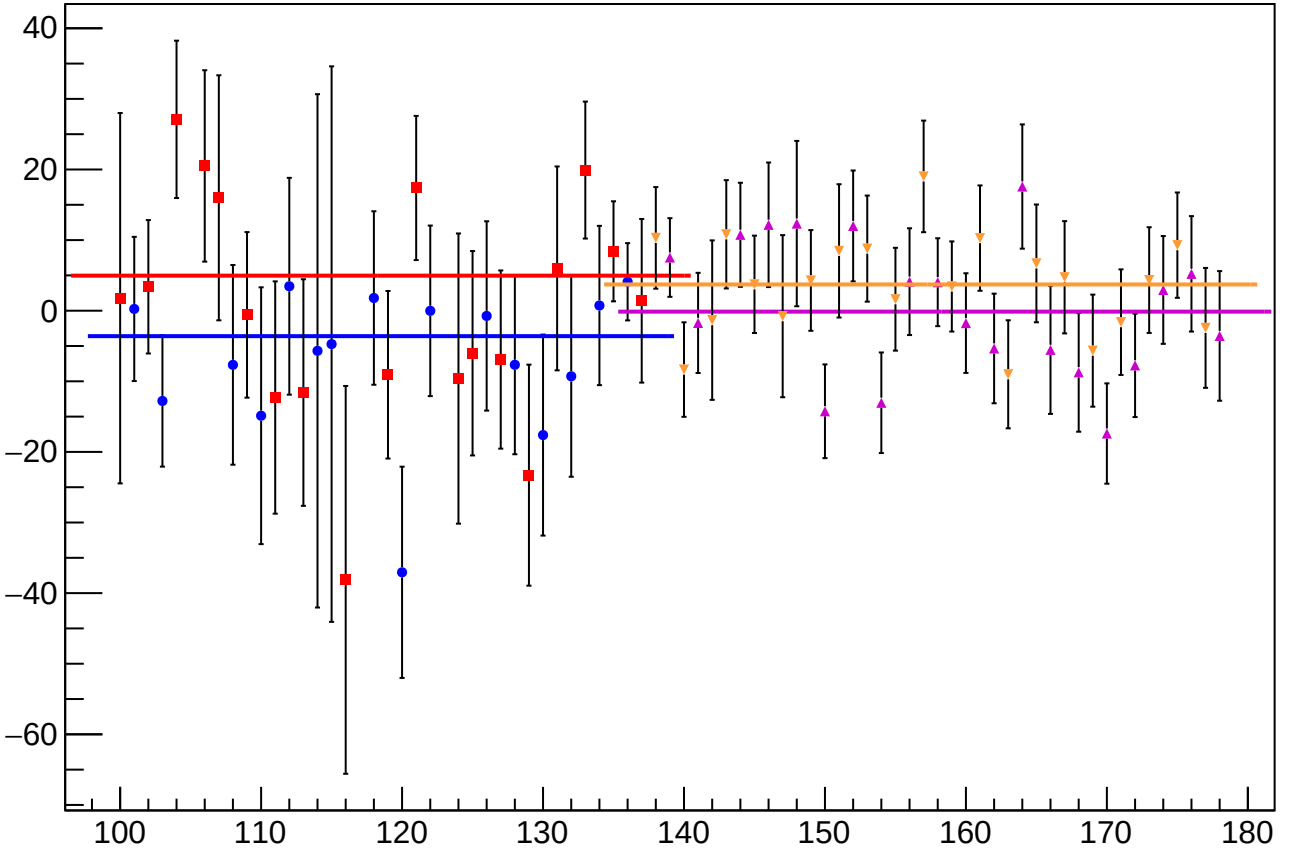
Left In: 8841.734+/-1.556 χ^2/NDF:275569.7/19

+ sign 9486.283+/-1.414 χ^2/NDF: 2455671.3/36

All: 9560.998+/-1.009 χ^2/NDF: 5119583.5/75

- sign 9638.529+/-1.440 χ^2/NDF: 2658221.1/38

diff_bpm4acY_mean vs Slug



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 3.717+/-1.686 χ^2/NDF:16.5/20

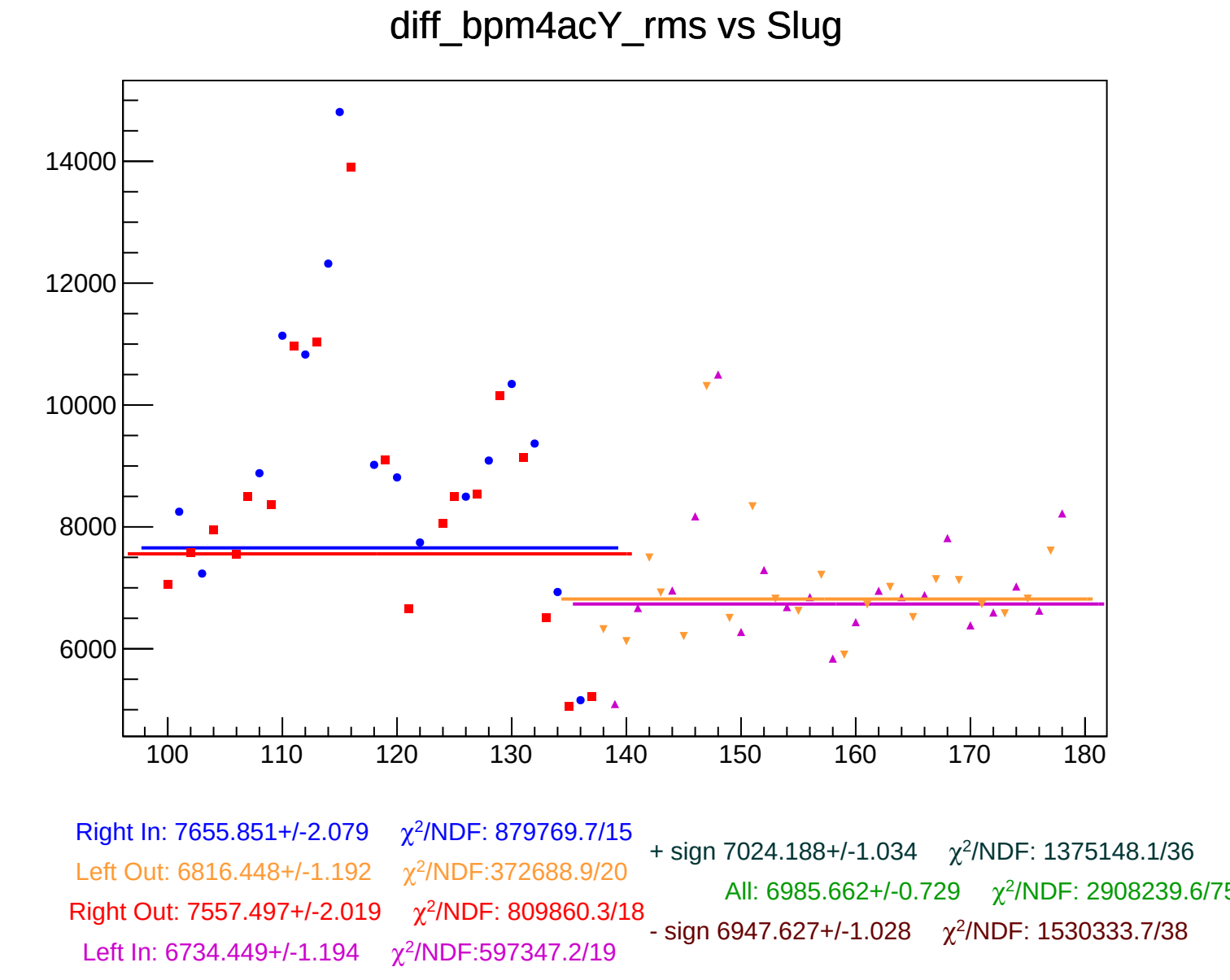
Right Out: 4.965+/-2.855 χ^2/NDF: 21.4/18

Left In: -0.134+/-1.688 χ^2/NDF:31.8/19

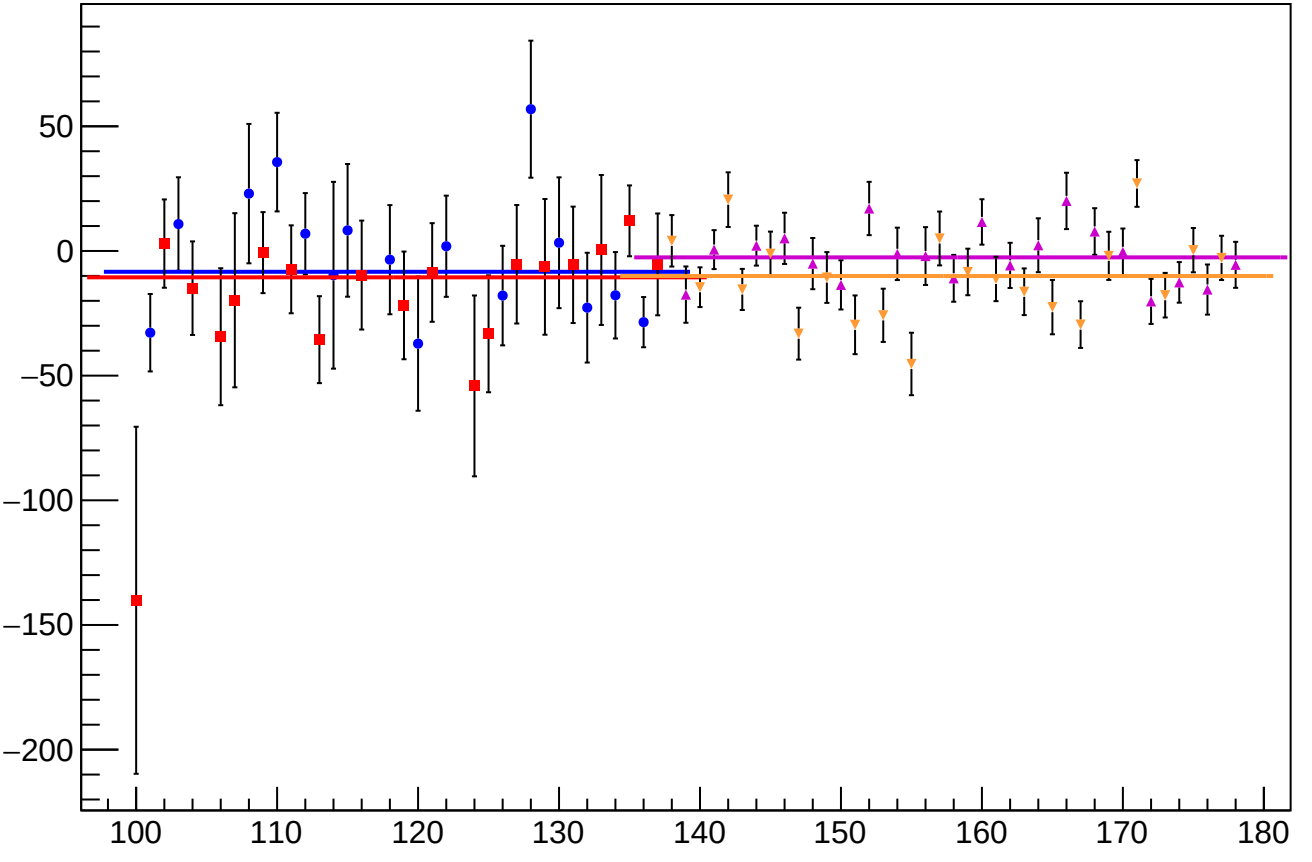
+ sign 1.905+/-1.463 χ^2/NDF: 31.7/36

All: 1.544+/-1.031 χ^2/NDF: 87.4/75

- sign 1.187+/-1.453 χ^2/NDF: 55.6/38


diff_bpm4acY_rms vs Slug
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
180
Right In: 7655.851+/-2.079 χ²/NDF: 879769.7/15
Left Out: 6816.448+/-1.192 χ²/NDF:372688.9/20
Right Out: 7557.497+/-2.019 χ²/NDF: 809860.3/18
Left In: 6734.449+/-1.194 χ²/NDF:597347.2/19
+ sign 7024.188+/-1.034 χ²/NDF: 1375148.1/36
All: 6985.662+/-0.729 χ²/NDF: 2908239.6/75
- sign 6947.627+/-1.028 χ²/NDF: 1530333.7/38

diff_bpm4ecX_mean vs Slug



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -10.053+/-2.103 χ^2/NDF:56.5/20

Right Out: -10.573+/-4.911 χ^2/NDF: 12.9/18

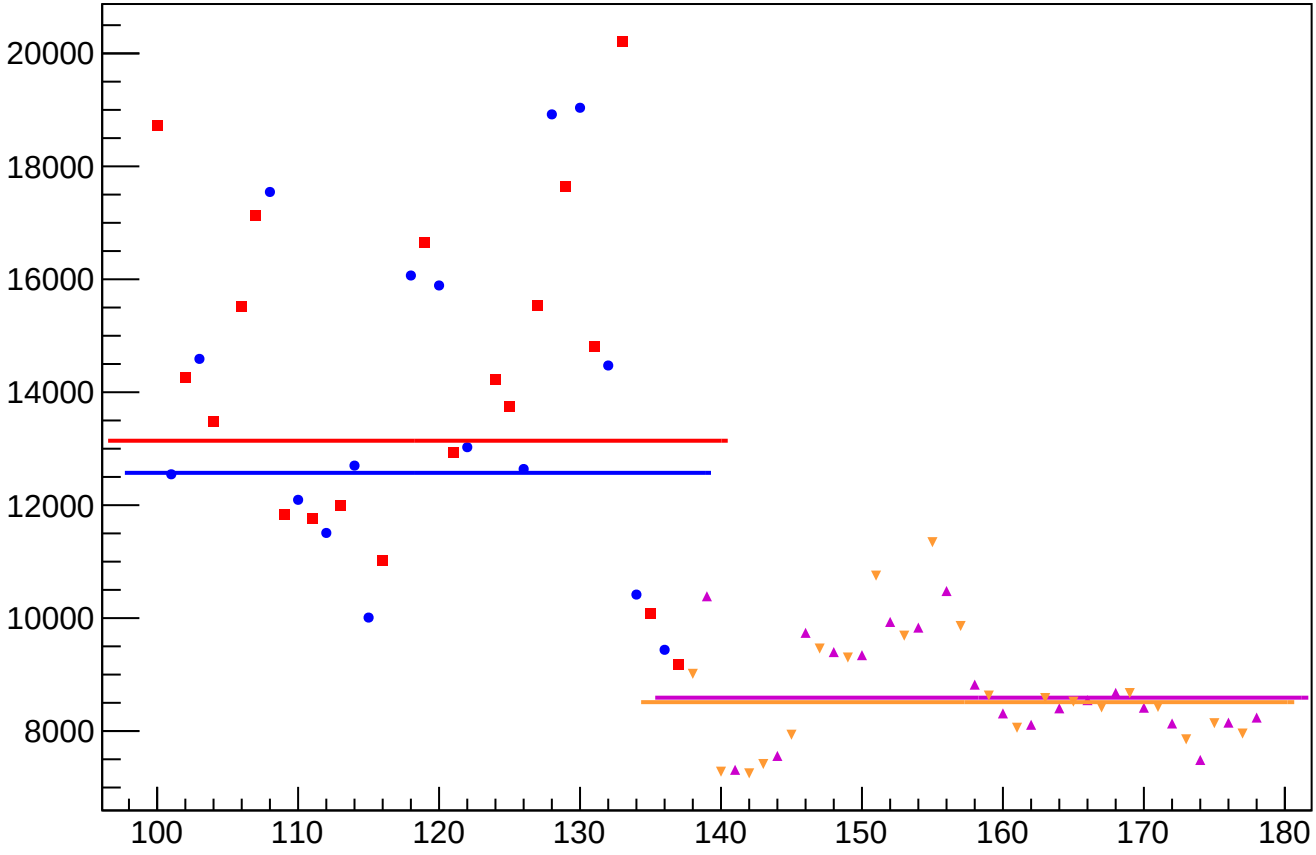
Left In: -2.565+/-2.141 χ^2/NDF:23.4/19

\+ sign -9.780+/-1.927 χ^2/NDF: 79.9/36

All: -6.866+/-1.375 χ^2/NDF: 123.1/75

\- sign -3.844+/-1.963 χ^2/NDF: 38.6/38

diff_bpm4ecX_rms vs Slug



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 8511.760+/-1.487 χ^2/NDF:410321.7/20

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

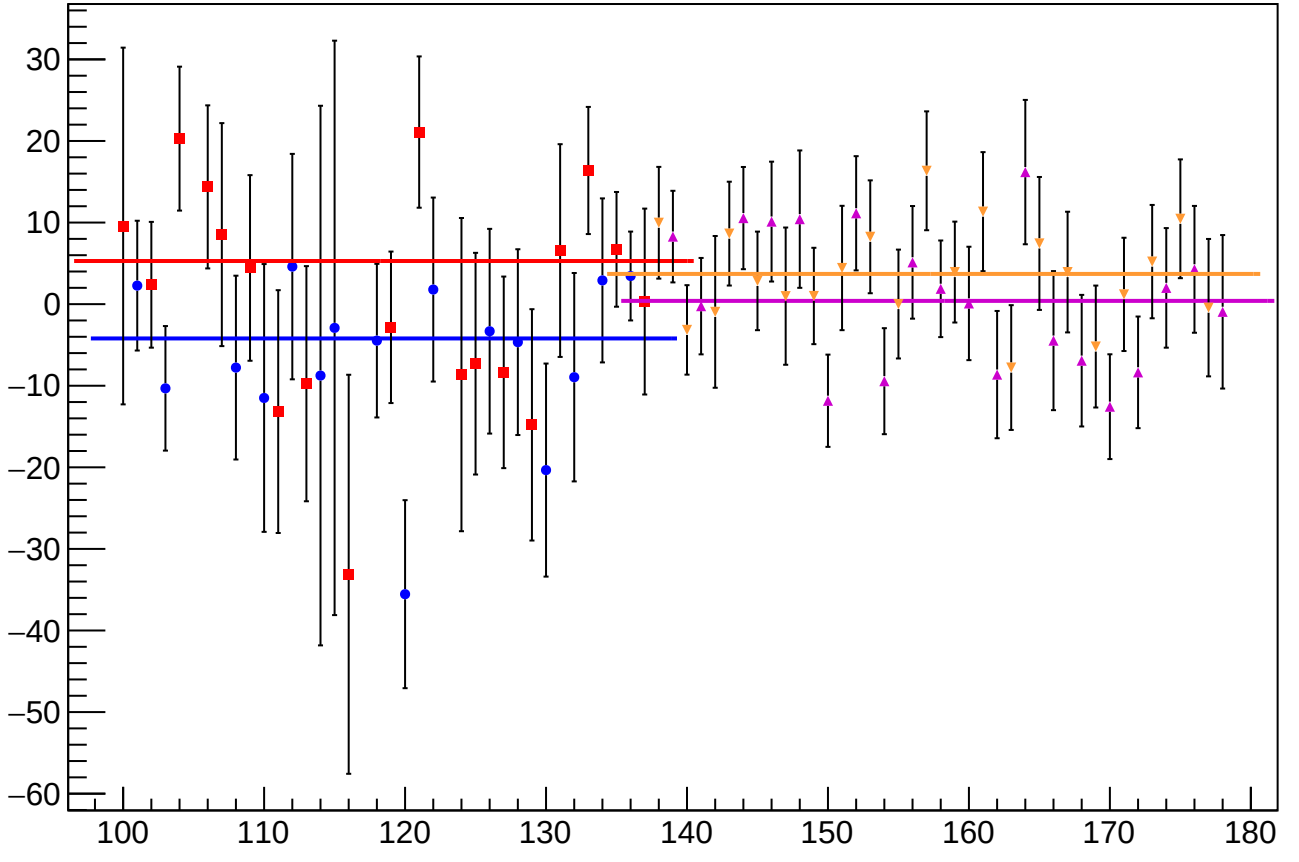
Left In: 8591.090+/-1.514 χ^2/NDF:357450.7/19

+ sign 9162.767+/-1.363 χ^2/NDF: 2270462.8/36

All: 9238.984+/-0.972 χ^2/NDF: 4611654.1/75

- sign 9318.035+/-1.388 χ^2/NDF: 2334820.1/38

diff_bpm4ecY_mean vs Slug



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 3.704+/-1.528 χ^2/NDF:13.6/20

Right Out: 5.288+/-2.502 χ^2/NDF: 19.7/18

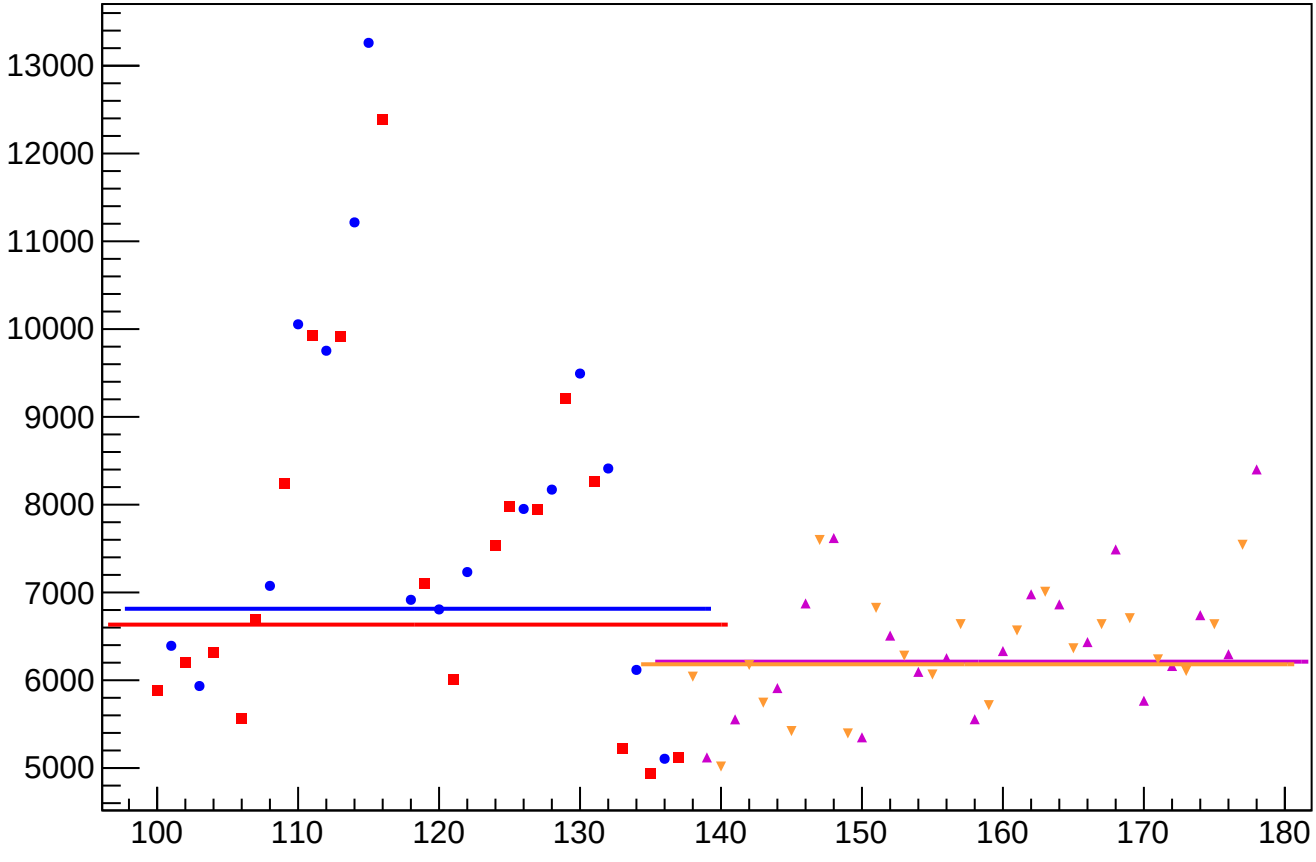
Left In: 0.400+/-1.553 χ^2/NDF:29.4/19

+ sign 1.674+/-1.318 χ^2/NDF: 34.3/36

All: 1.717+/-0.932 χ^2/NDF: 86.2/75

- sign 1.760+/-1.320 χ^2/NDF: 51.8/38

diff_bpm4ecY_rms vs Slug



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 6181.988+/-1.081 χ^2/NDF:366837.7/20

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

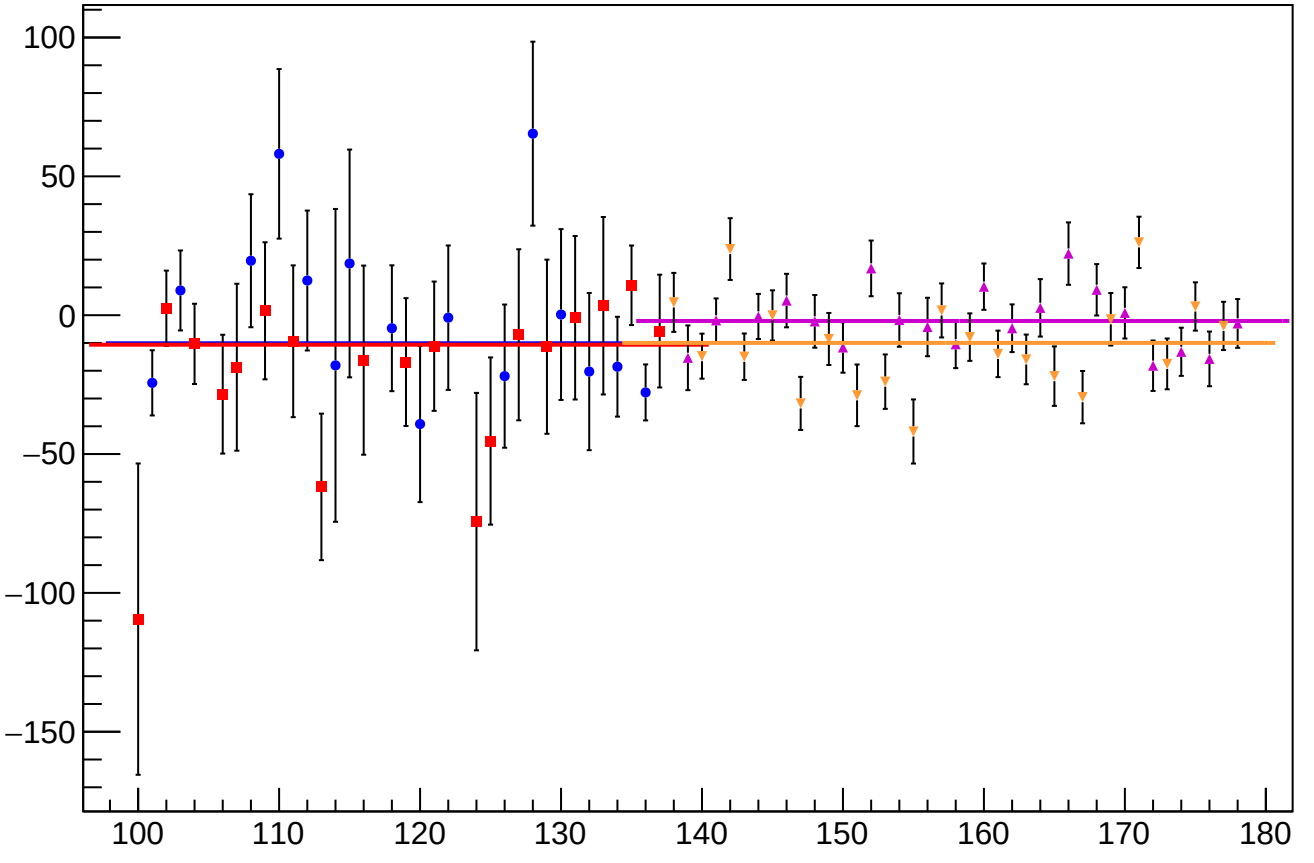
Left In: 6211.603+/-1.098 χ^2/NDF:463632.1/19

+ sign 6344.303+/-0.932 χ^2/NDF: 1128825.9/36

All: 6336.671+/-0.659 χ^2/NDF: 2397027.1/75

- sign 6329.014+/-0.933 χ^2/NDF: 1268066.7/38

diff_bpm1X_mean vs Slug



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -9.977+/-2.044 χ^2/NDF:58.1/20

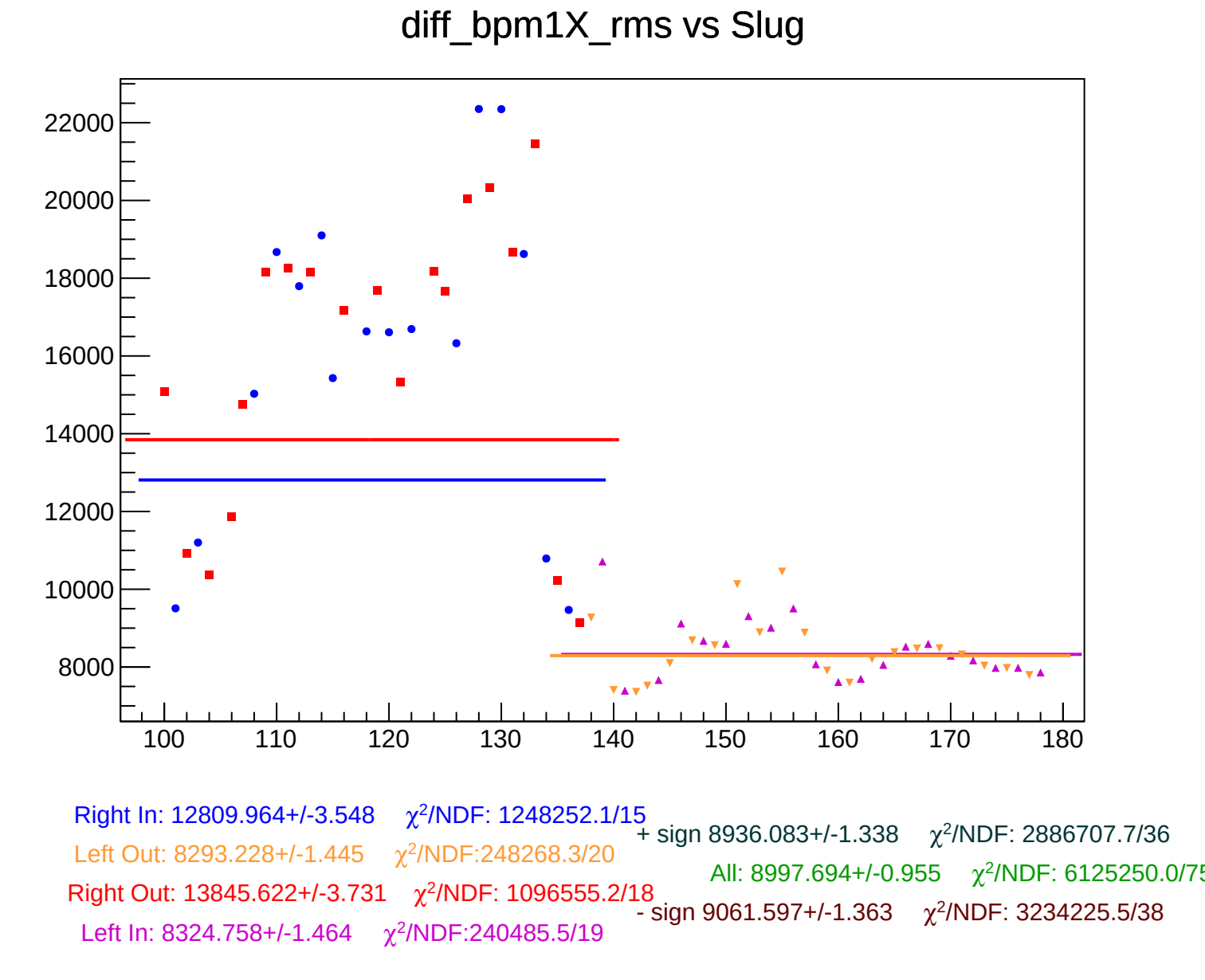
Right Out: -10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: -2.076+/-2.071 χ^2/NDF:23.0/19

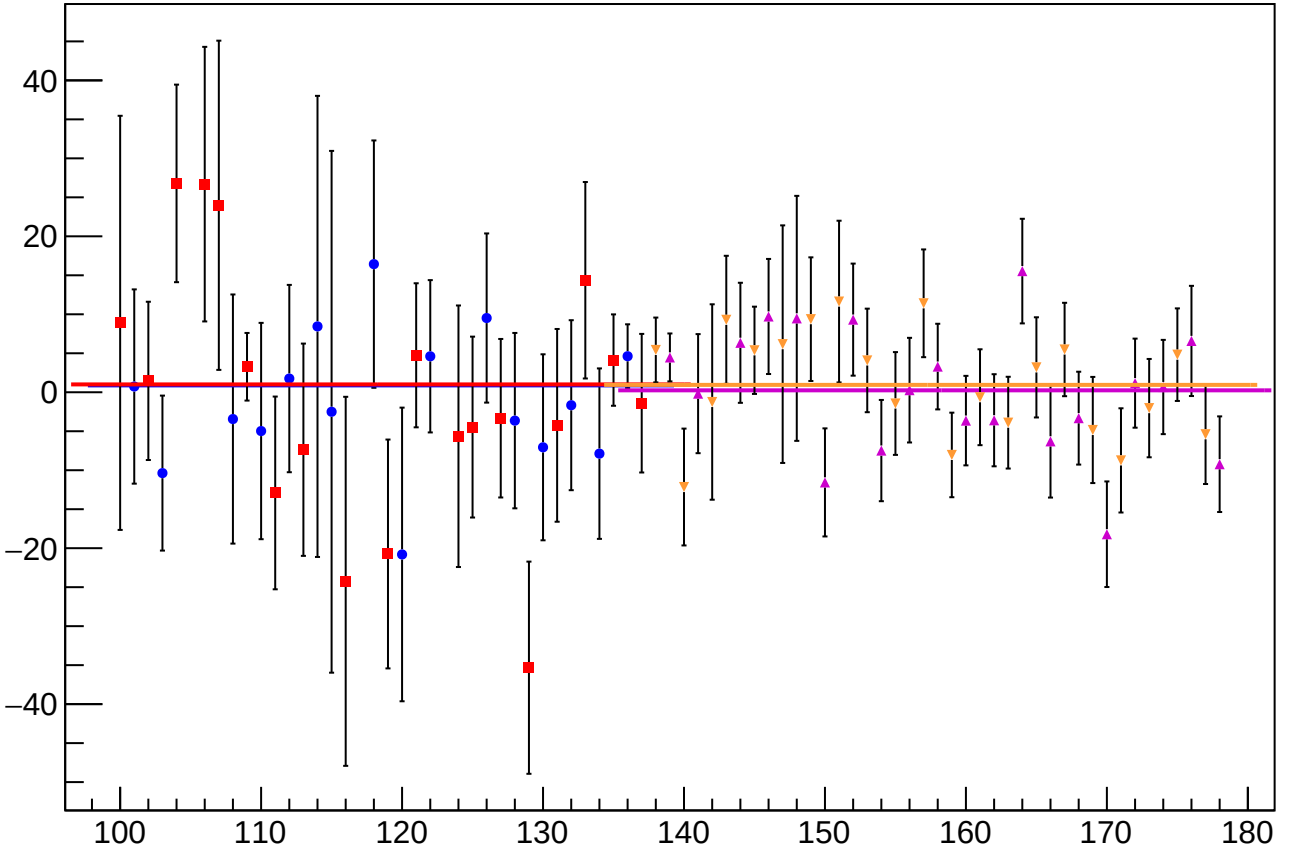
+ sign -9.996+/-1.893 χ^2/NDF: 79.4/36

All: -6.668+/-1.351 χ^2/NDF: 125.7/75

- sign -3.217+/-1.928 χ^2/NDF: 40.0/38


diff_bpm1X_rms vs Slug
22000
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
180
Right In: 12809.964+/-3.548 χ²/NDF: 1248252.1/15
Left Out: 8293.228+/-1.445 χ²/NDF:248268.3/20
Right Out: 13845.622+/-3.731 χ²/NDF: 1096555.2/18
Left In: 8324.758+/-1.464 χ²/NDF:240485.5/19
+ sign 8936.083+/-1.338 χ²/NDF: 2886707.7/36
All: 8997.694+/-0.955 χ²/NDF: 6125250.0/75
- sign 9061.597+/-1.363 χ²/NDF: 3234225.5/38

diff_bpm1Y_mean vs Slug



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 0.946+/-1.431 χ^2/NDF:19.5/20

Right Out: 1.006+/-2.314 χ^2/NDF: 22.3/18

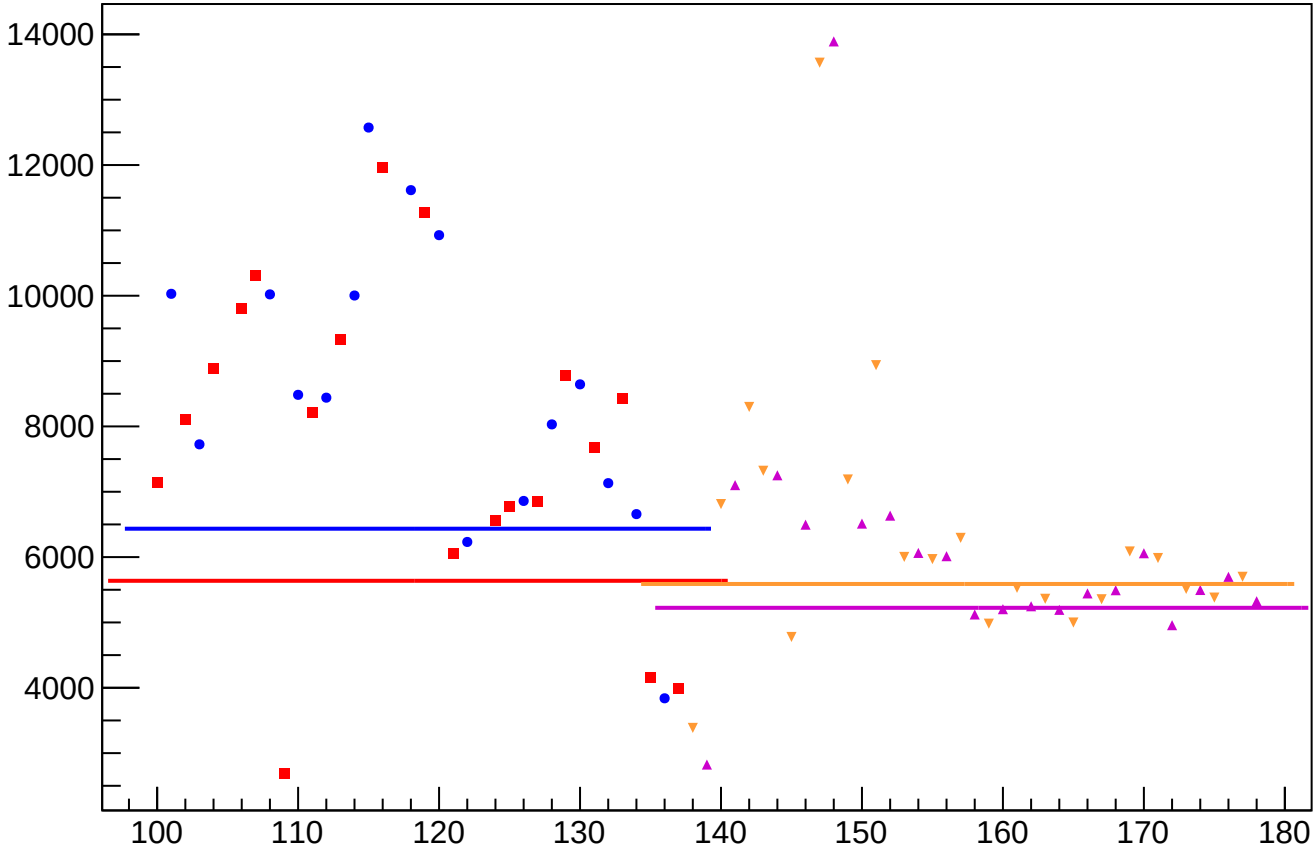
Left In: 0.246+/-1.365 χ^2/NDF:28.6/19

+ sign 0.931+/-1.250 χ^2/NDF: 26.3/36

All: 0.672+/-0.856 χ^2/NDF: 77.4/75

- sign 0.442+/-1.176 χ^2/NDF: 51.0/38

diff_bpm1Y_rms vs Slug



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 5588.785+/-1.012 χ^2/NDF:1782733.1/20

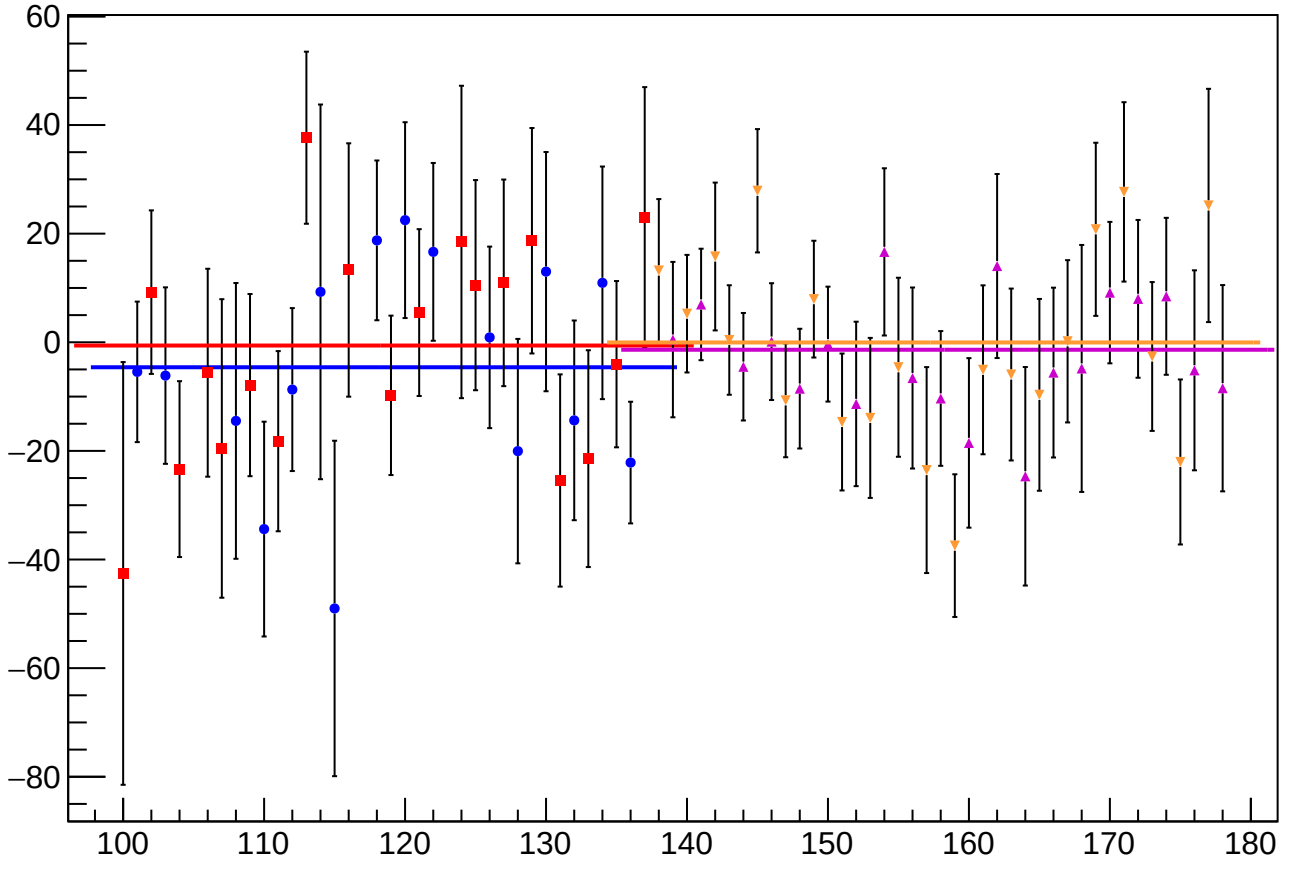
Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 5223.912+/-0.965 χ^2/NDF:2409428.4/19

+ sign 5789.371+/-0.884 χ^2/NDF: 3699084.6/36

All: 5546.016+/-0.605 χ^2/NDF: 8878863.7/75

- sign 5330.637+/-0.831 χ^2/NDF: 5036808.6/38



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: -0.035+/-2.969 χ^2/NDF:30.8/20

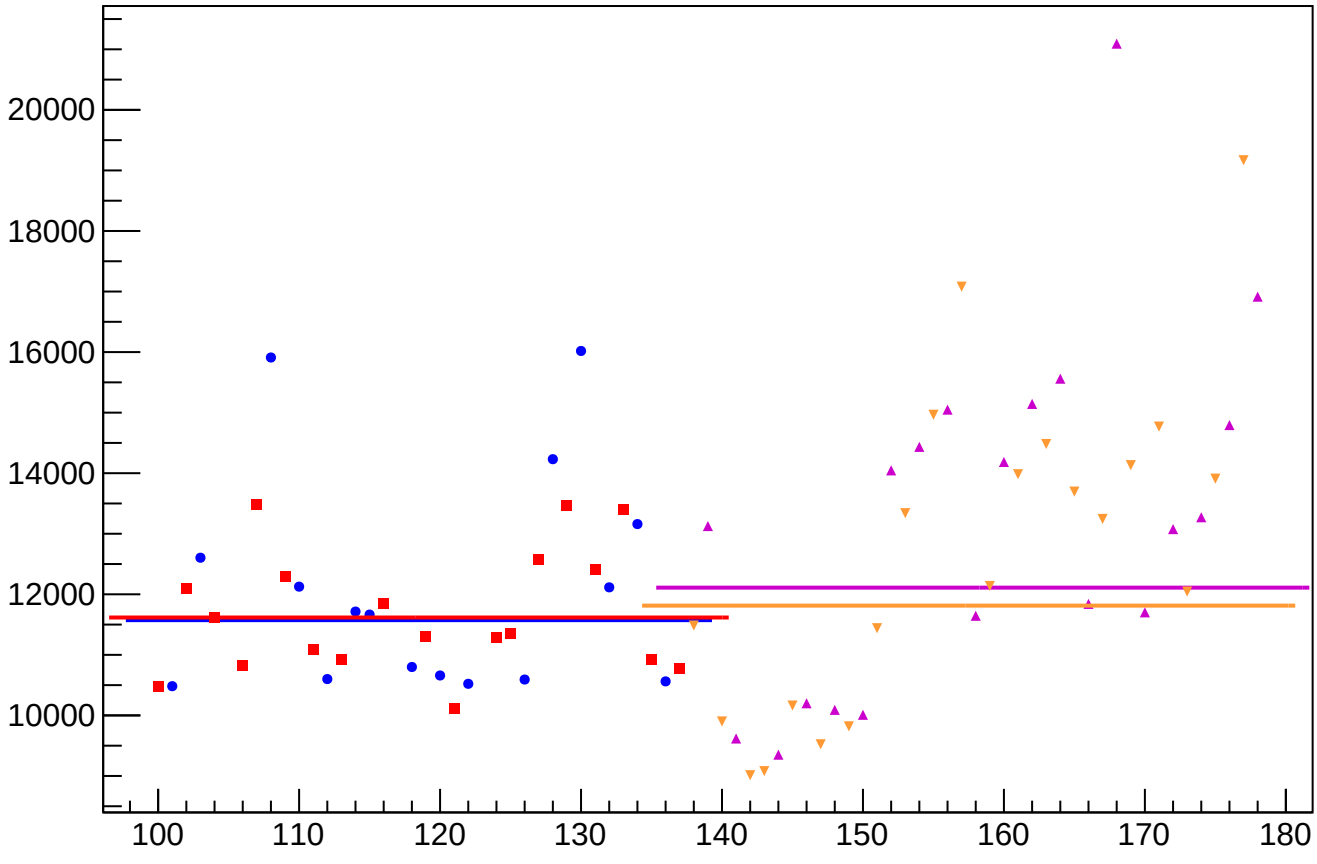
Right Out: -0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: -1.378+/-3.067 χ^2/NDF:8.8/19

+ sign -1.484+/-2.453 χ^2/NDF: 47.3/36

All: -1.302+/-1.748 χ^2/NDF: 74.1/75

- sign -1.113+/-2.490 χ^2/NDF: 26.8/38



Right In: 11573.073+/-3.079 χ^2/NDF: 260067.0/15

Left Out: 11813.011+/-2.099 χ^2/NDF:1270529.1/20

Right Out: 11616.773+/-3.017 χ^2/NDF: 93165.6/18

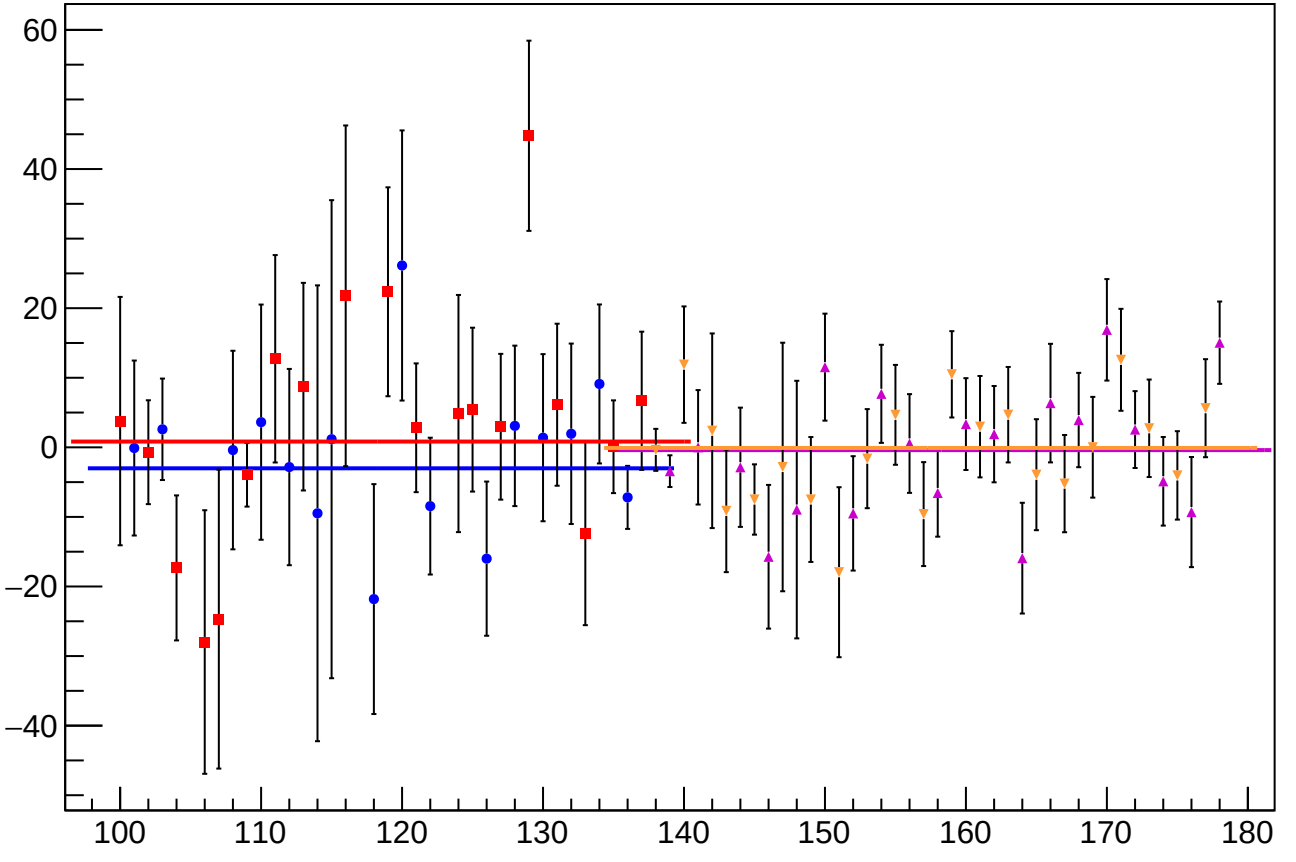
Left In: 12109.955+/-2.169 χ^2/NDF:1301114.7/19

+ sign 11736.883+/-1.734 χ^2/NDF: 1534741.3/36

All: 11837.859+/-1.236 χ^2/NDF: 2953523.7/7

- sign 11941.935+/-1.761 χ^2/NDF: 1411899.9/38

diff_bpm11Y_mean vs Slug



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: -0.088+/-1.465 χ^2/NDF:18.8/20

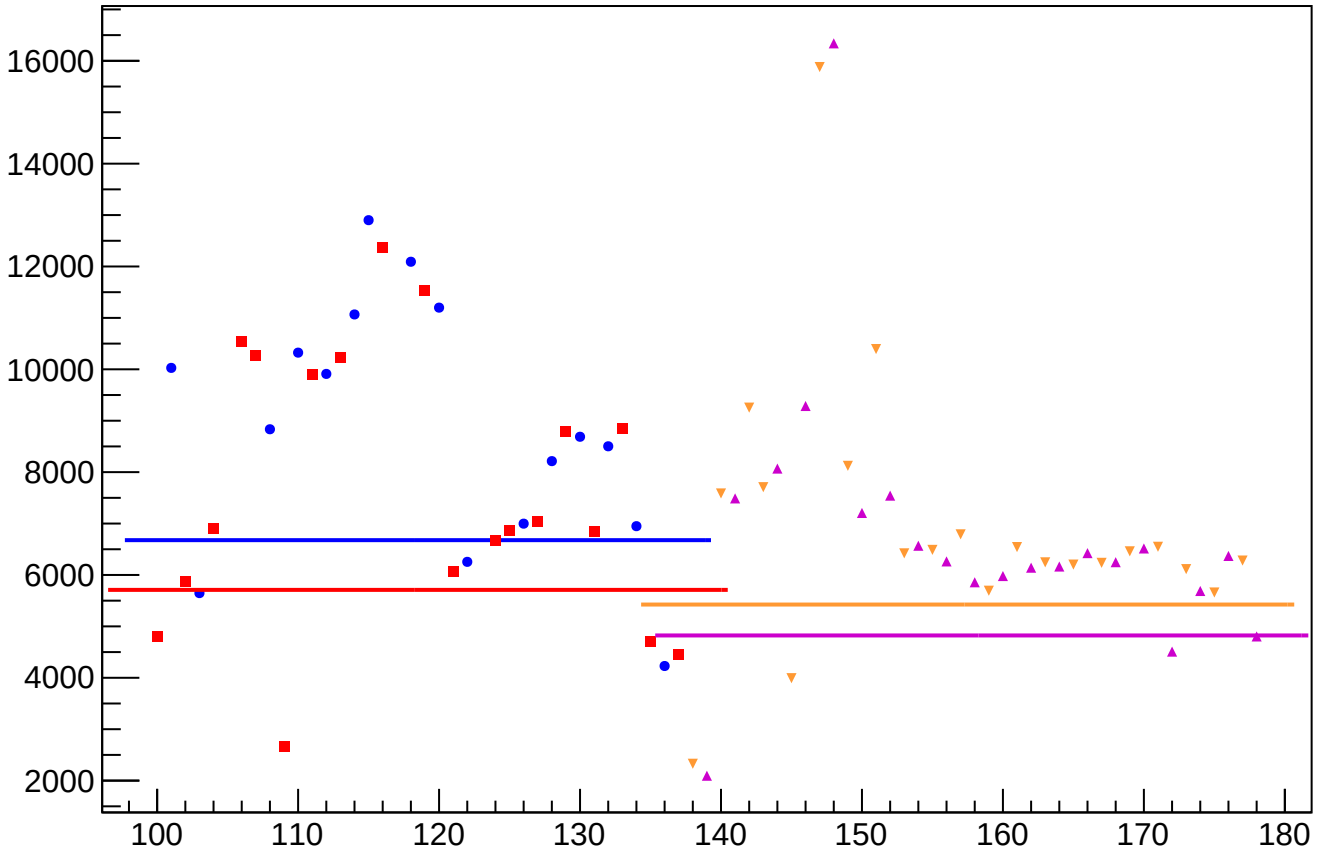
Right Out: 0.831+/-2.352 χ^2/NDF: 23.8/18

Left In: -0.398+/-1.353 χ^2/NDF:29.9/19

+ sign -0.771+/-1.283 χ^2/NDF: 28.4/36

All: -0.401+/-0.866 χ^2/NDF: 82.5/75

- sign -0.092+/-1.173 χ^2/NDF: 54.0/38



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 5424.598+/-1.036 χ^2/NDF:4296283.4/20

Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

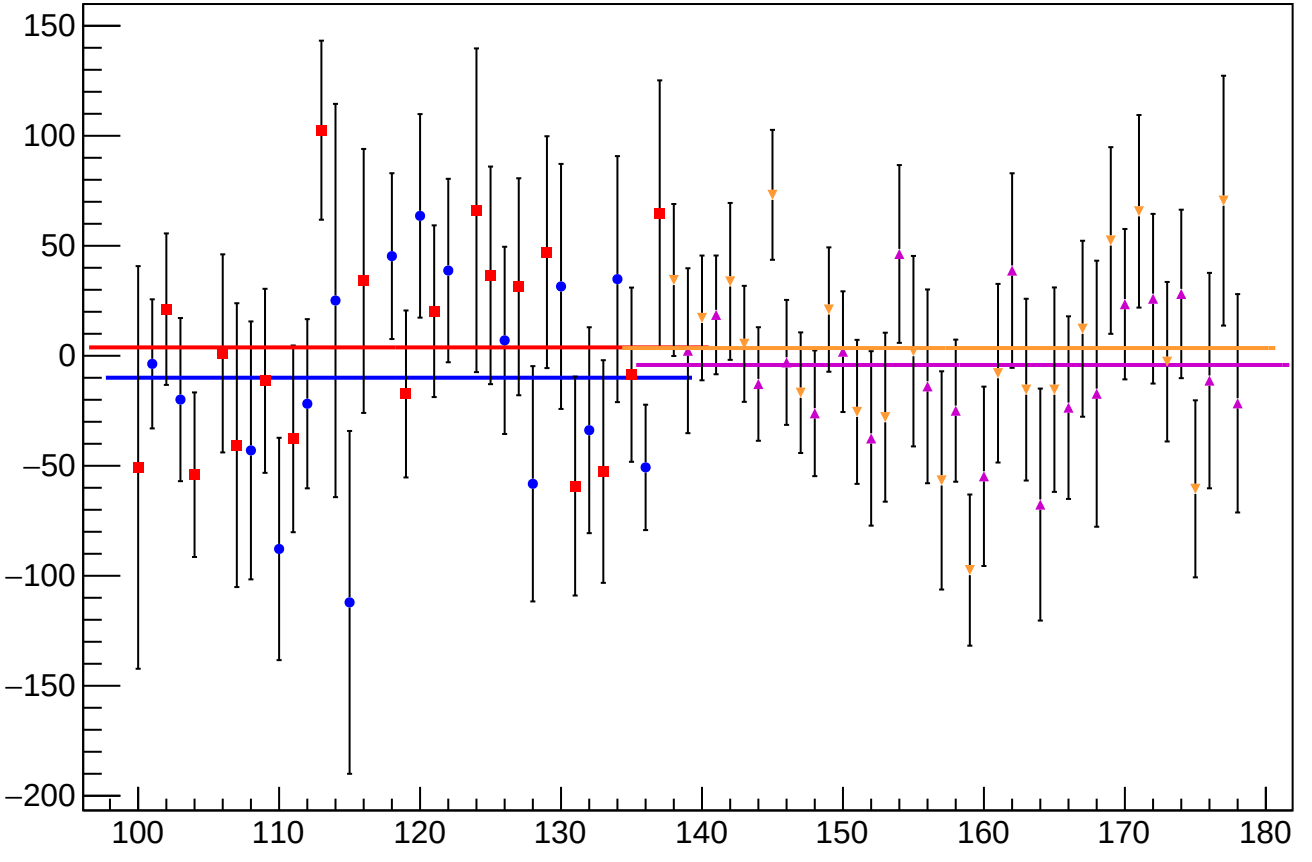
Left In: 4823.500+/-0.957 χ^2/NDF:5755085.5/19

+ sign 5717.129+/-0.907 χ^2/NDF: 6210444.2/36

All: 5350.552+/-0.612 χ^2/NDF: 14779935.1/7

- sign 5044.011+/-0.829 χ^2/NDF: 8269547.7/38

diff_bpm12X_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 3.518+/-7.790 χ^2/NDF:27.6/20

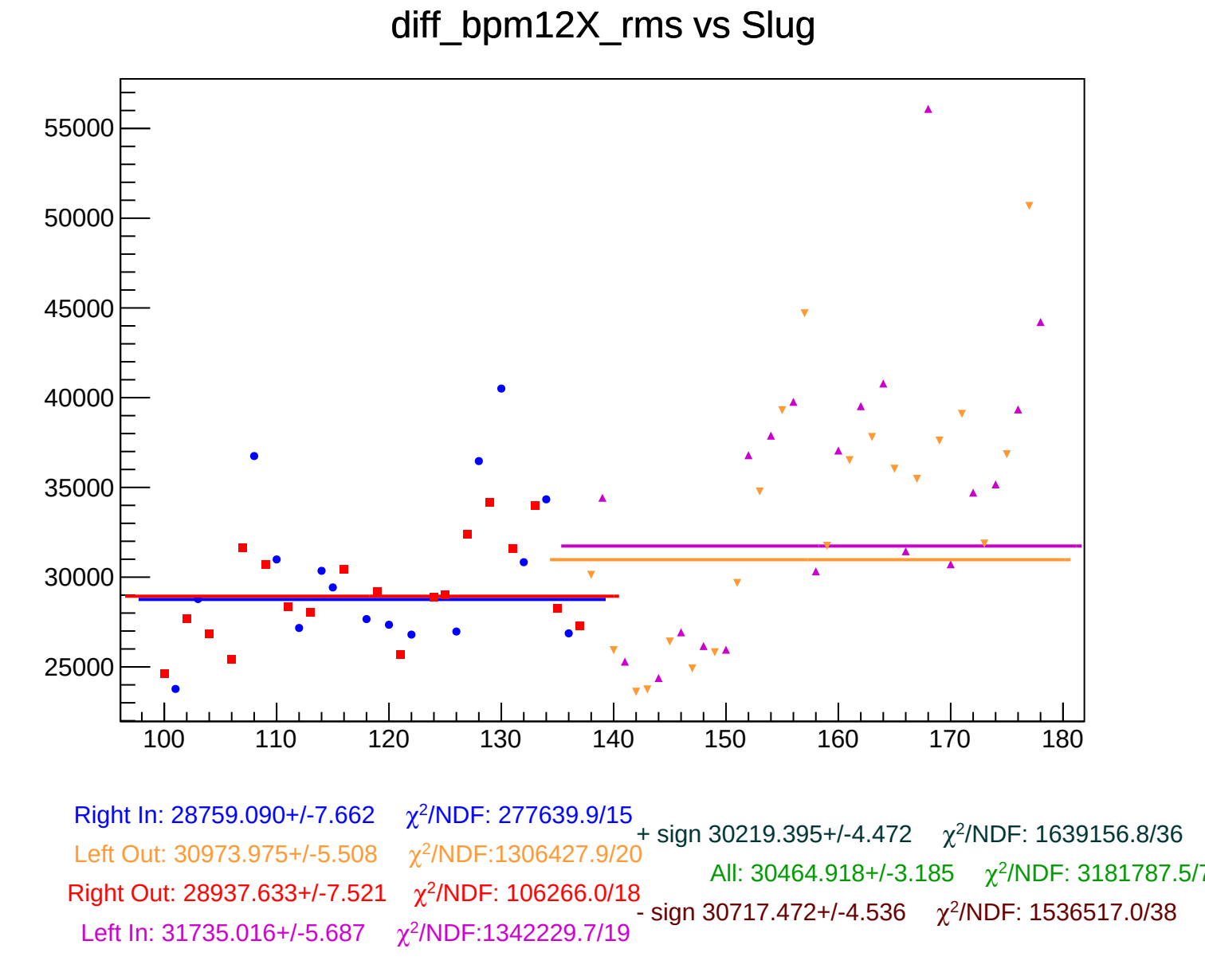
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

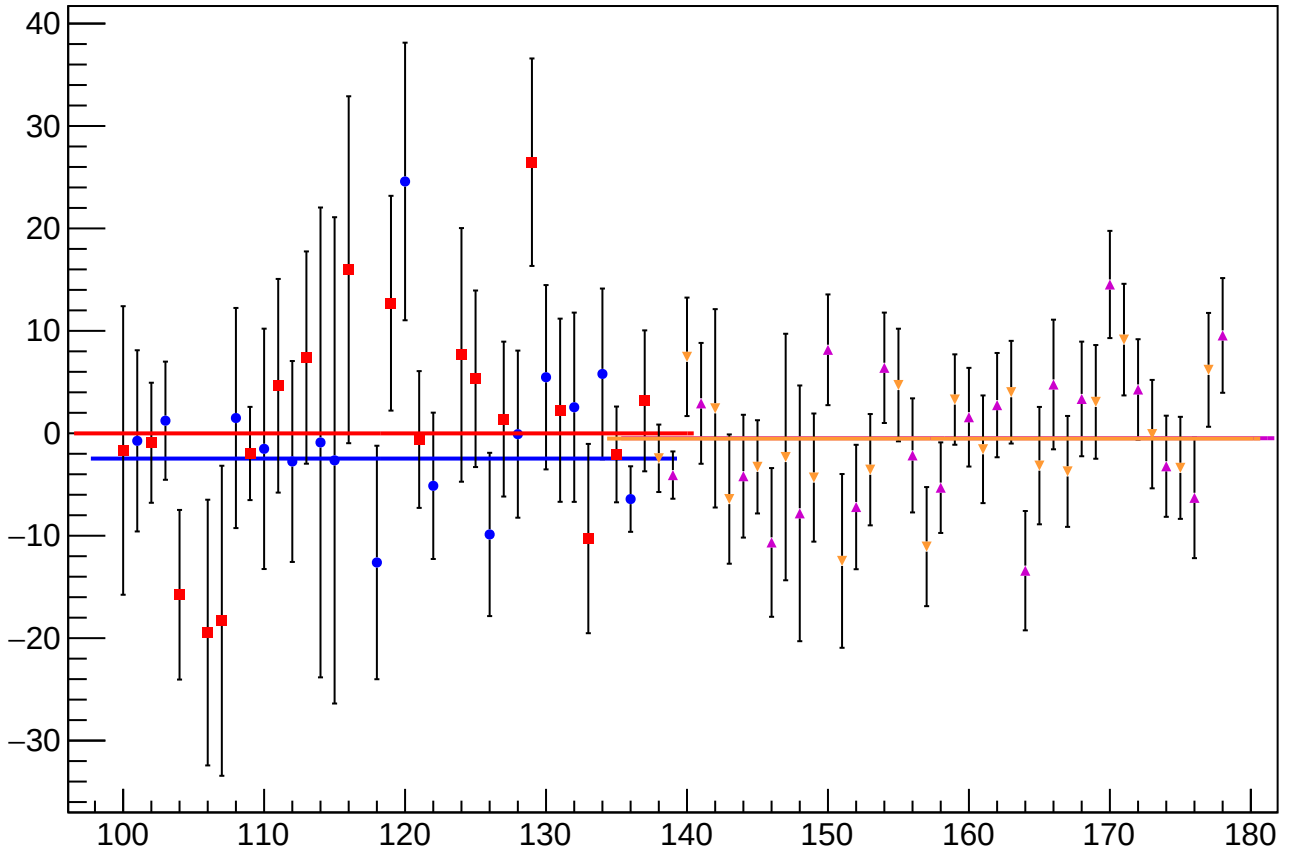
Left In: -4.179+/-8.042 χ^2/NDF:10.5/19

\+ sign -1.077+/-6.325 χ^2/NDF: 43.9/36

All: -1.173+/-4.504 χ^2/NDF: 72.1/75

\- sign -1.272+/-6.415 χ^2/NDF: 28.2/38


diff_bpm12X_rms vs Slug
55000
50000
45000
40000
35000
30000
25000
100
110
120
130
140
150
160
170
180
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 30973.975+/-5.508 χ²/NDF:1306427.9/20
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 31735.016+/-5.687 χ²/NDF:1342229.7/19
+ sign 30219.395+/-4.472 χ²/NDF: 1639156.8/36
All: 30464.918+/-3.185 χ²/NDF: 3181787.5/7
- sign 30717.472+/-4.536 χ²/NDF: 1536517.0/38



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -0.515+/-1.182 χ^2/NDF:18.0/20

Right Out: -0.009+/-1.828 χ^2/NDF: 20.0/18

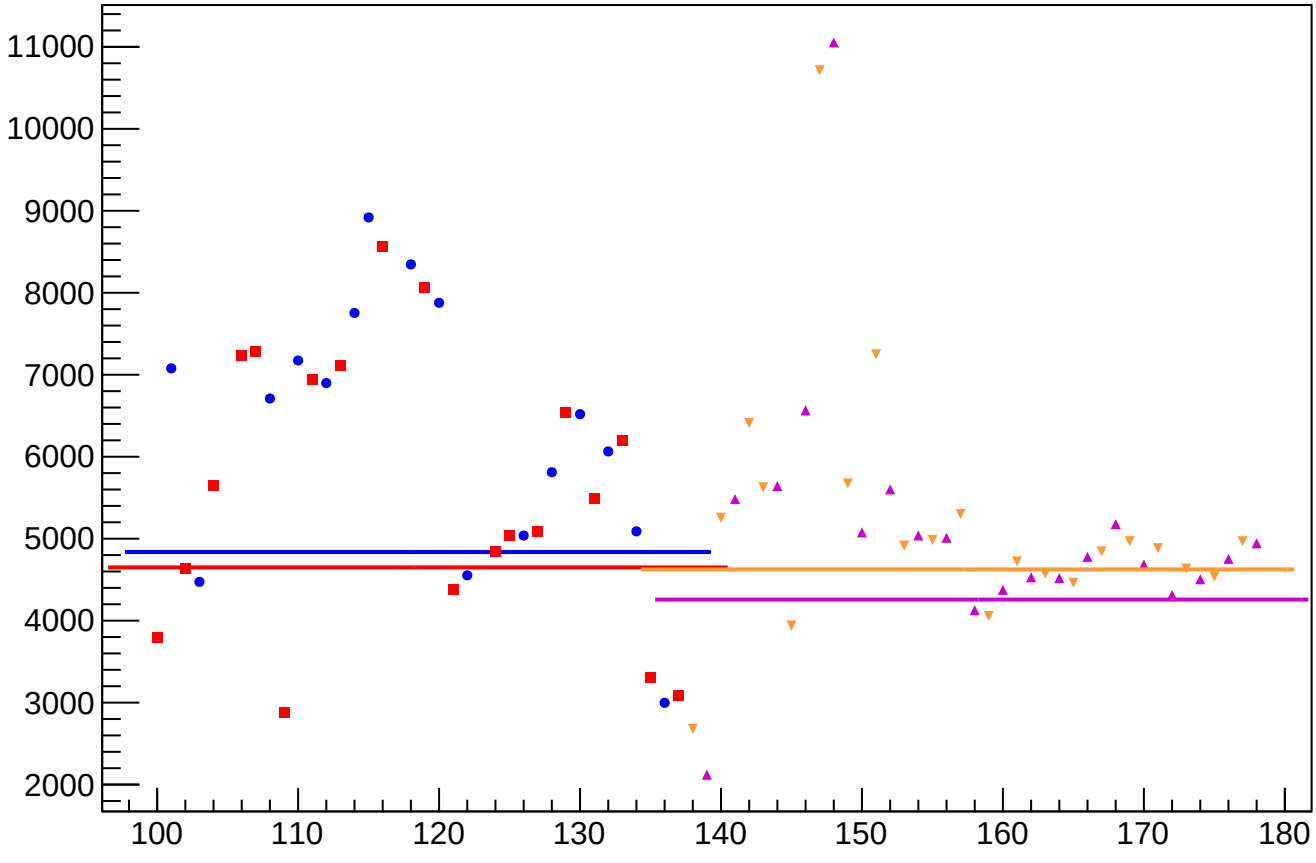
Left In: -0.481+/-1.120 χ^2/NDF:32.5/19

+ sign -1.053+/-1.006 χ^2/NDF: 28.8/36

All: -0.685+/-0.693 χ^2/NDF: 81.5/75

- sign -0.352+/-0.955 χ^2/NDF: 52.5/38

diff_bpm12Y_rms vs Slug



Right In: 4837.176+/-1.355 χ^2/NDF: 1547766.9/15

Left Out: 4625.169+/-0.836 χ^2/NDF:1746006.5/20

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

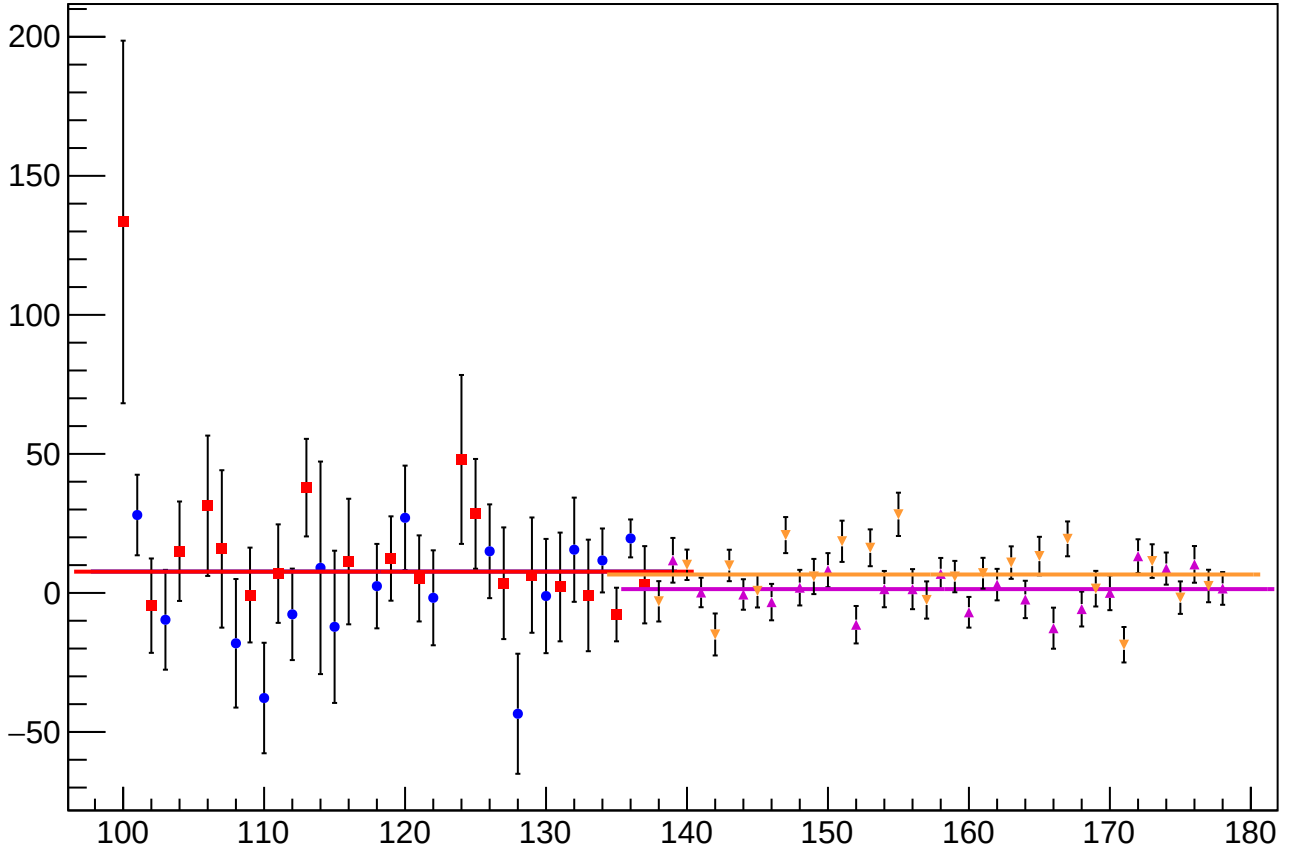
Left In: 4256.935+/-0.792 χ^2/NDF:3066800.2/19

+ sign 4683.638+/-0.711 χ^2/NDF: 3311513.9/36

All: 4515.643+/-0.490 χ^2/NDF: 7986005.5/75

- sign 4364.159+/-0.675 χ^2/NDF: 4568427.7/38

diff_bpm16X_mean vs Slug



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 6.631+/-1.371 χ^2/NDF:55.9/20

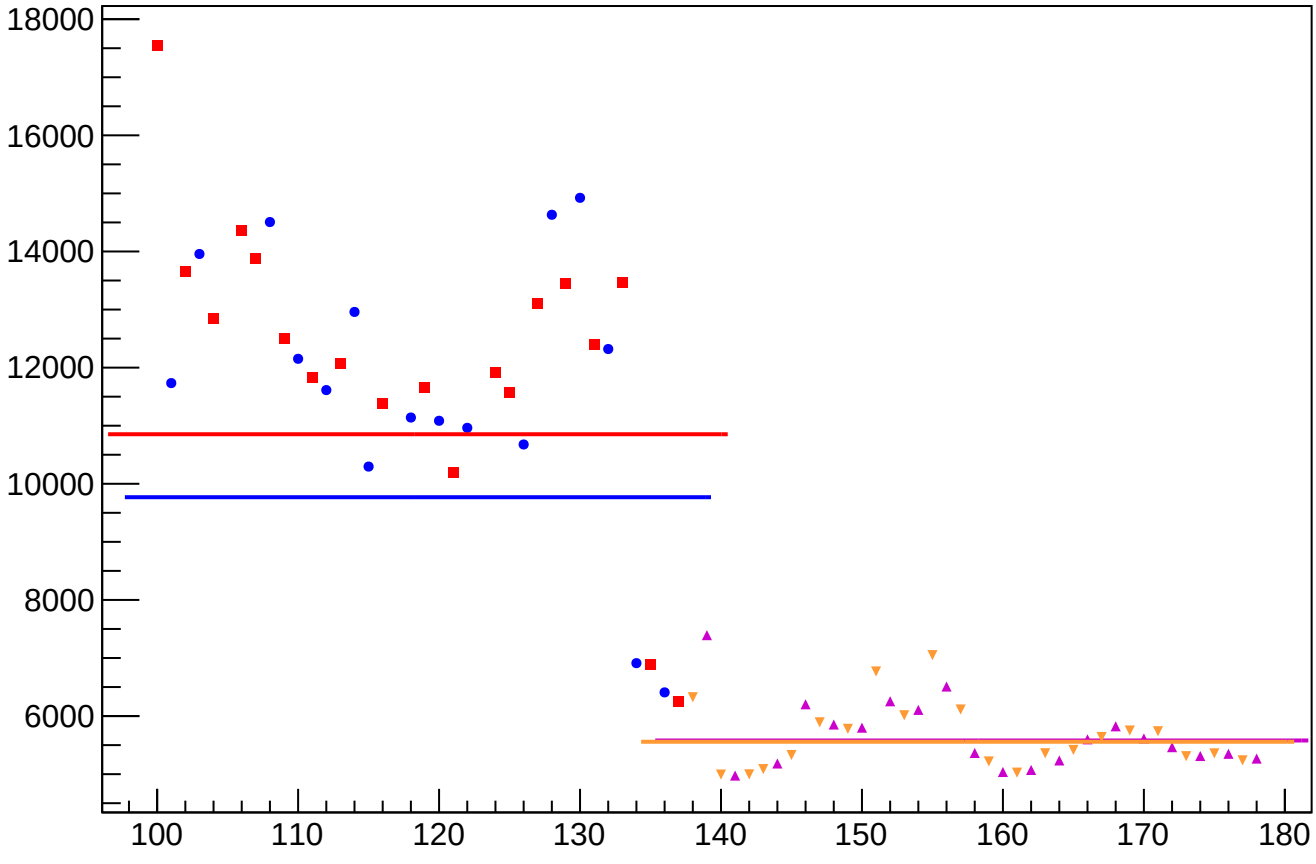
Right Out: 7.650+/-4.099 χ^2/NDF: 14.6/18

Left In: 1.373+/-1.389 χ^2/NDF:23.0/19

+ sign 6.752+/-1.290 χ^2/NDF: 77.6/36

All: 4.432+/-0.921 χ^2/NDF: 123.9/75

- sign 2.019+/-1.316 χ^2/NDF: 39.7/38



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5558.024+/-0.969 χ^2/NDF:273529.4/20

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

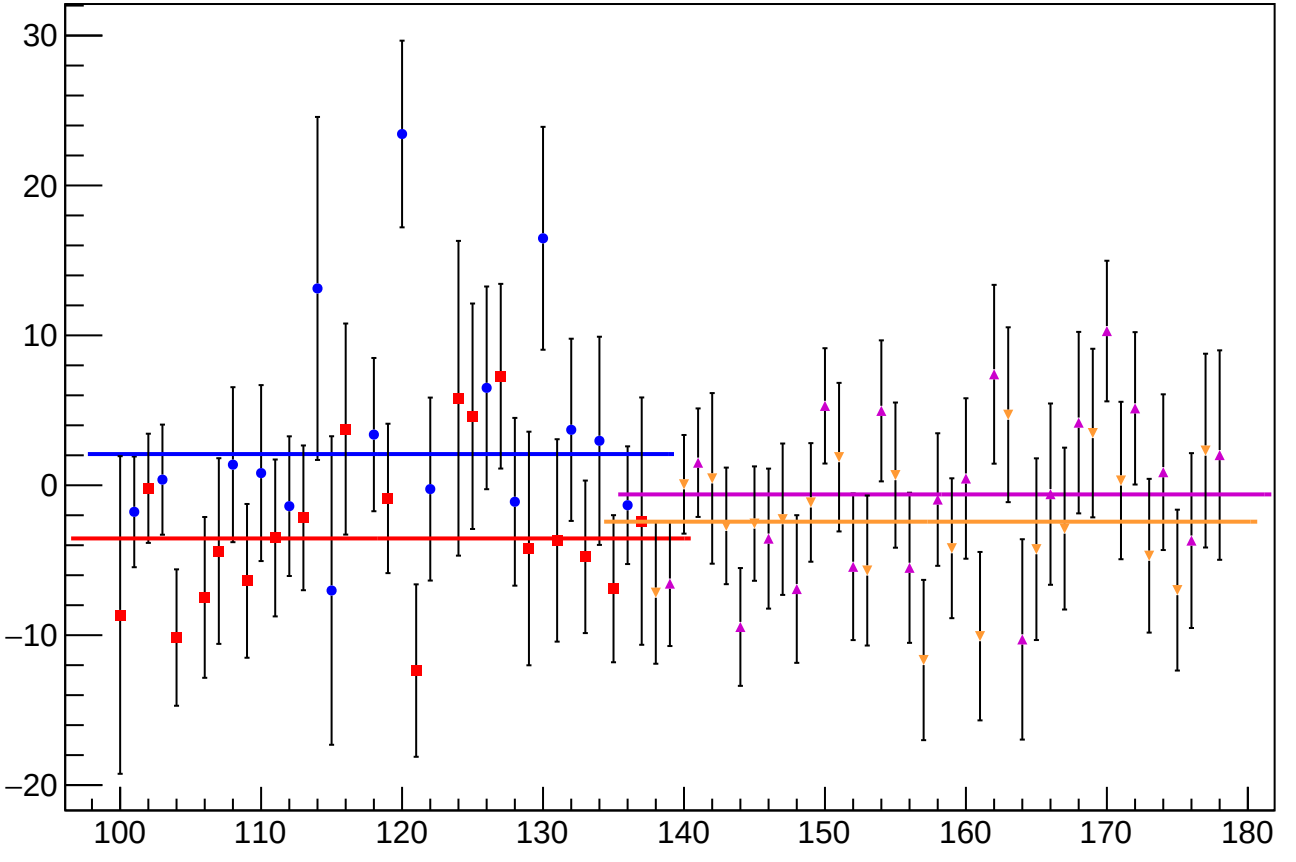
Left In: 5580.027+/-0.982 χ^2/NDF:288445.2/19

+ sign 6038.271+/-0.912 χ^2/NDF: 3640412.5/36

All: 6079.872+/-0.651 χ^2/NDF: 7776046.7/75

- sign 6123.141+/-0.930 χ^2/NDF: 4131390.8/38

diff_bpm16Y_mean vs Slug



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -2.428+/-1.056 χ^2/NDF:12.9/20

Right Out: -3.546+/-1.304 χ^2/NDF: 13.4/18

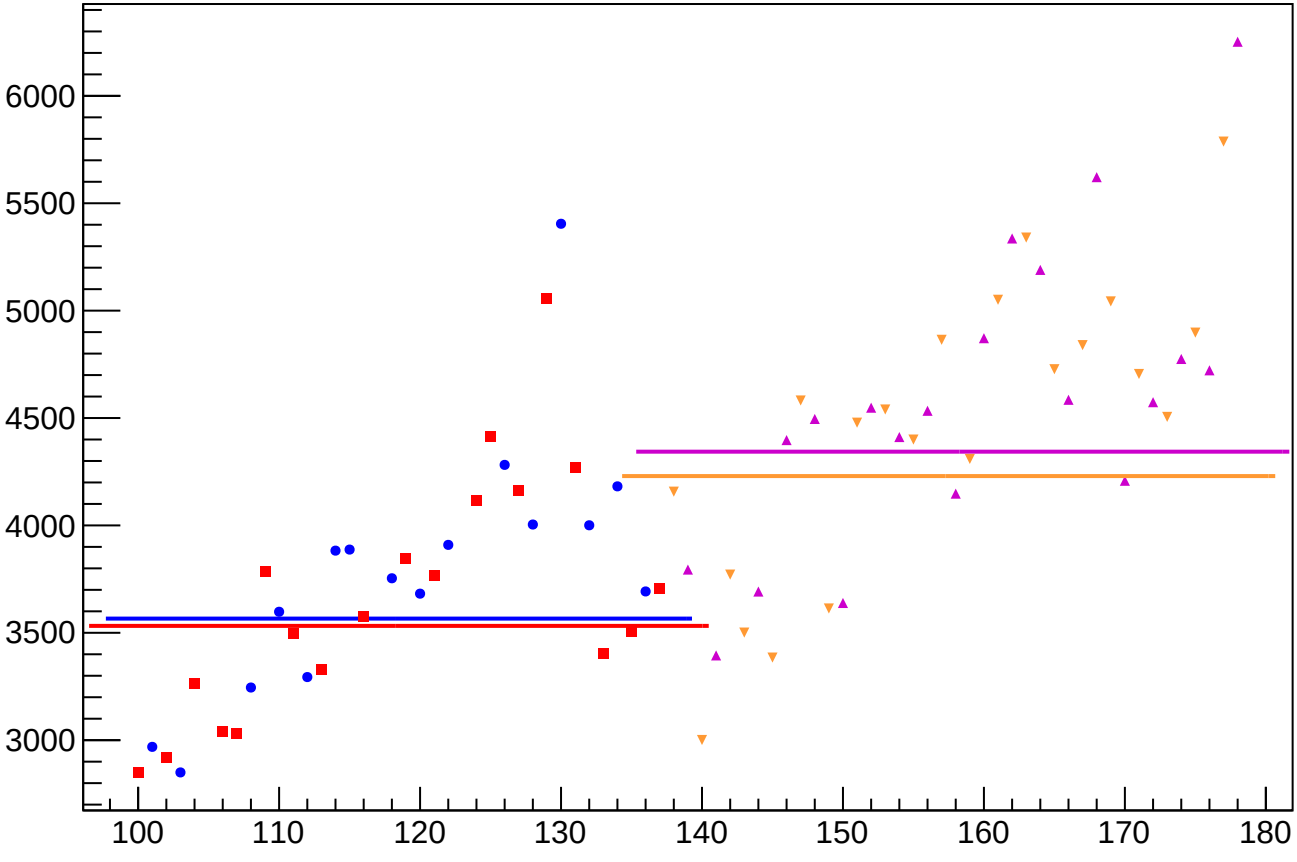
Left In: -0.609+/-1.089 χ^2/NDF:26.9/19

+ sign -0.709+/-0.831 χ^2/NDF: 40.8/36

All: -1.259+/-0.589 χ^2/NDF: 85.1/75

- sign -1.816+/-0.836 χ^2/NDF: 43.4/38

diff_bpm16Y_rms vs Slug



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 4229.700+/-0.747 χ^2/NDF:928197.6/20

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

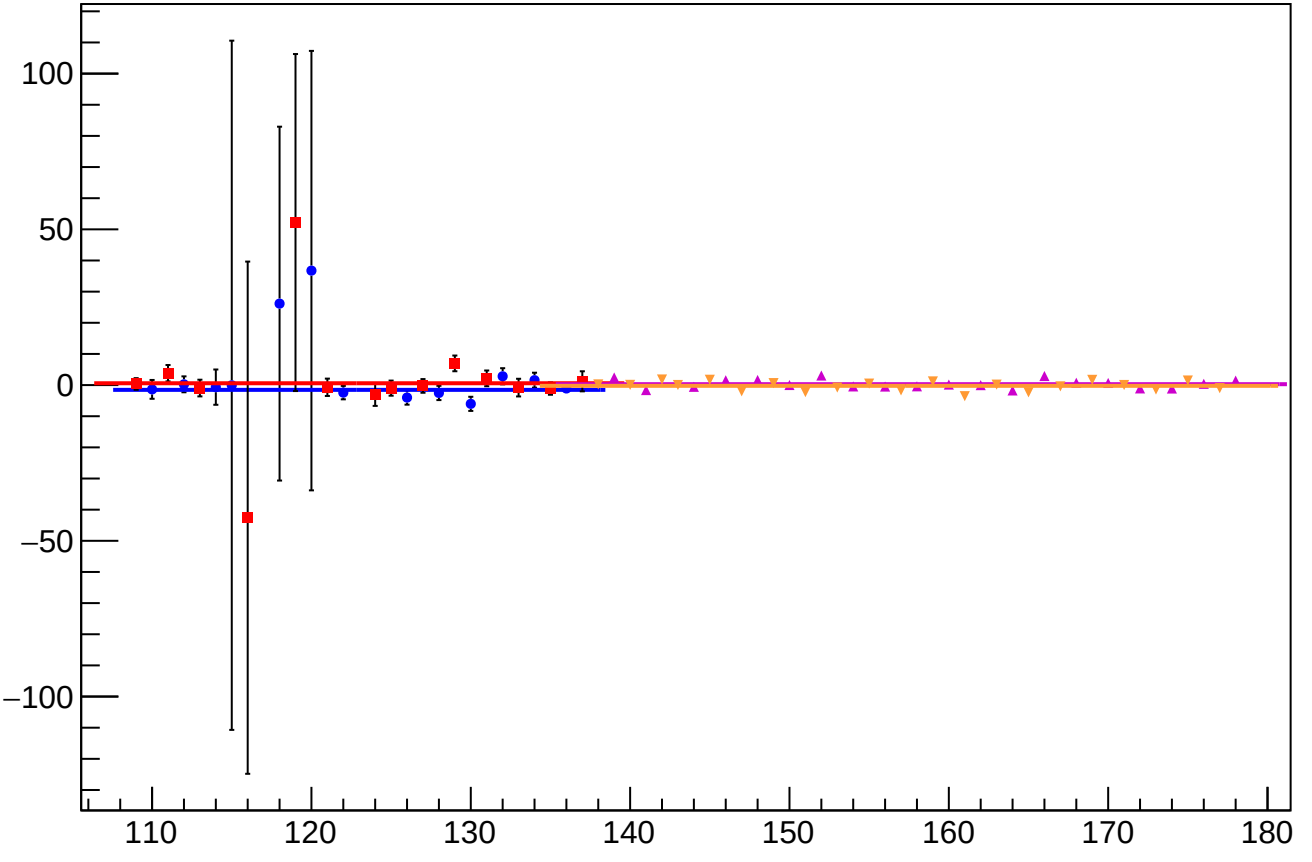
Left In: 4343.346+/-0.770 χ^2/NDF:683630.4/19

+ sign 3976.791+/-0.587 χ^2/NDF: 1570409.5/36

All: 3993.266+/-0.417 χ^2/NDF: 2990019.2/75

- sign 4009.961+/-0.591 χ^2/NDF: 1418025.5/38

diff_bpm1p02bX_mean vs Slug



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: -0.238+/-0.251 χ^2/NDF:33.2/20

Right Out: 0.588+/-0.717 χ^2/NDF: 12.7/13

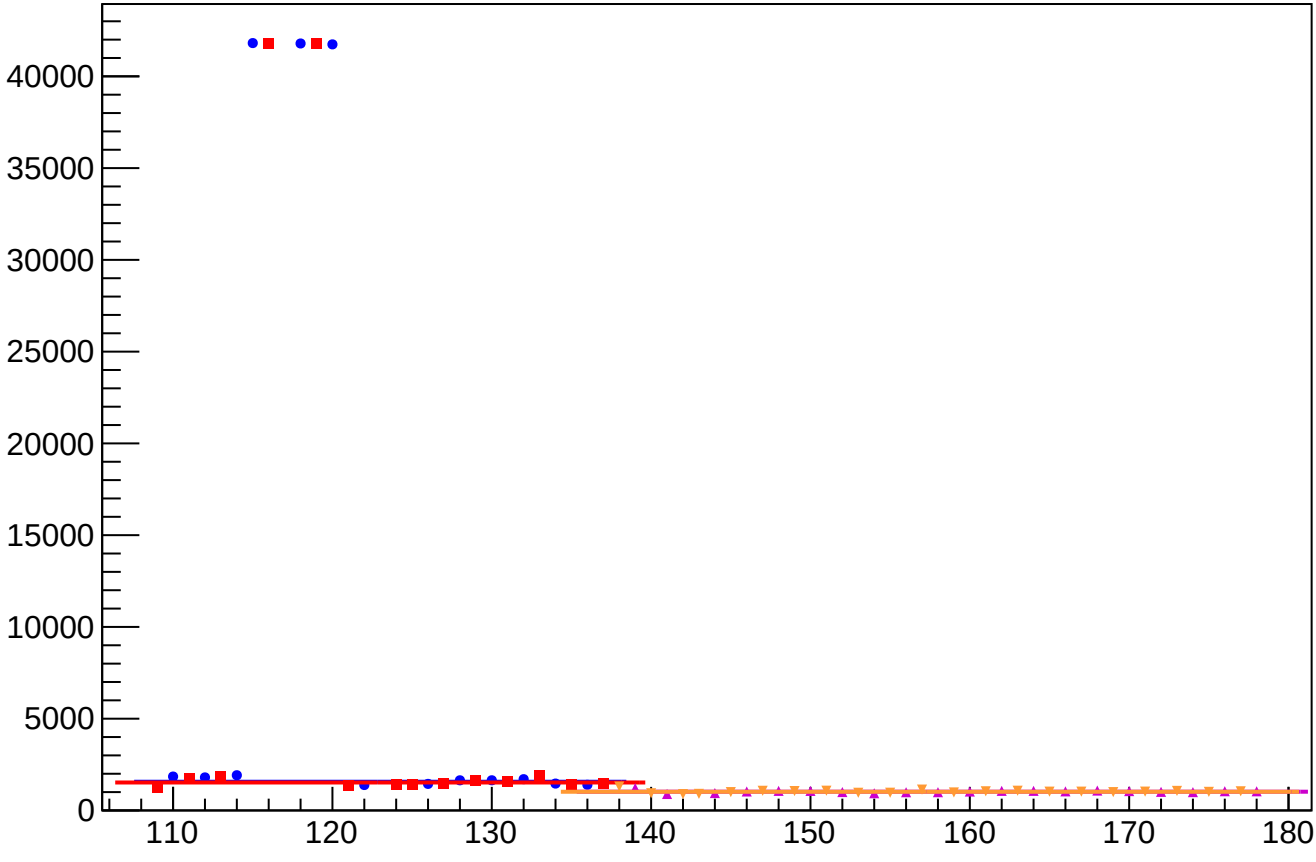
Left In: 0.285+/-0.254 χ^2/NDF:28.2/19

+ sign -0.374+/-0.237 χ^2/NDF: 47.0/33

All: -0.030+/-0.168 χ^2/NDF: 92.3/67

- sign 0.319+/-0.239 χ^2/NDF: 41.1/33

diff_bpm1p02bX_rms vs Slug



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 1019.057+/-0.177 χ^2/NDF:182303.5/20

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

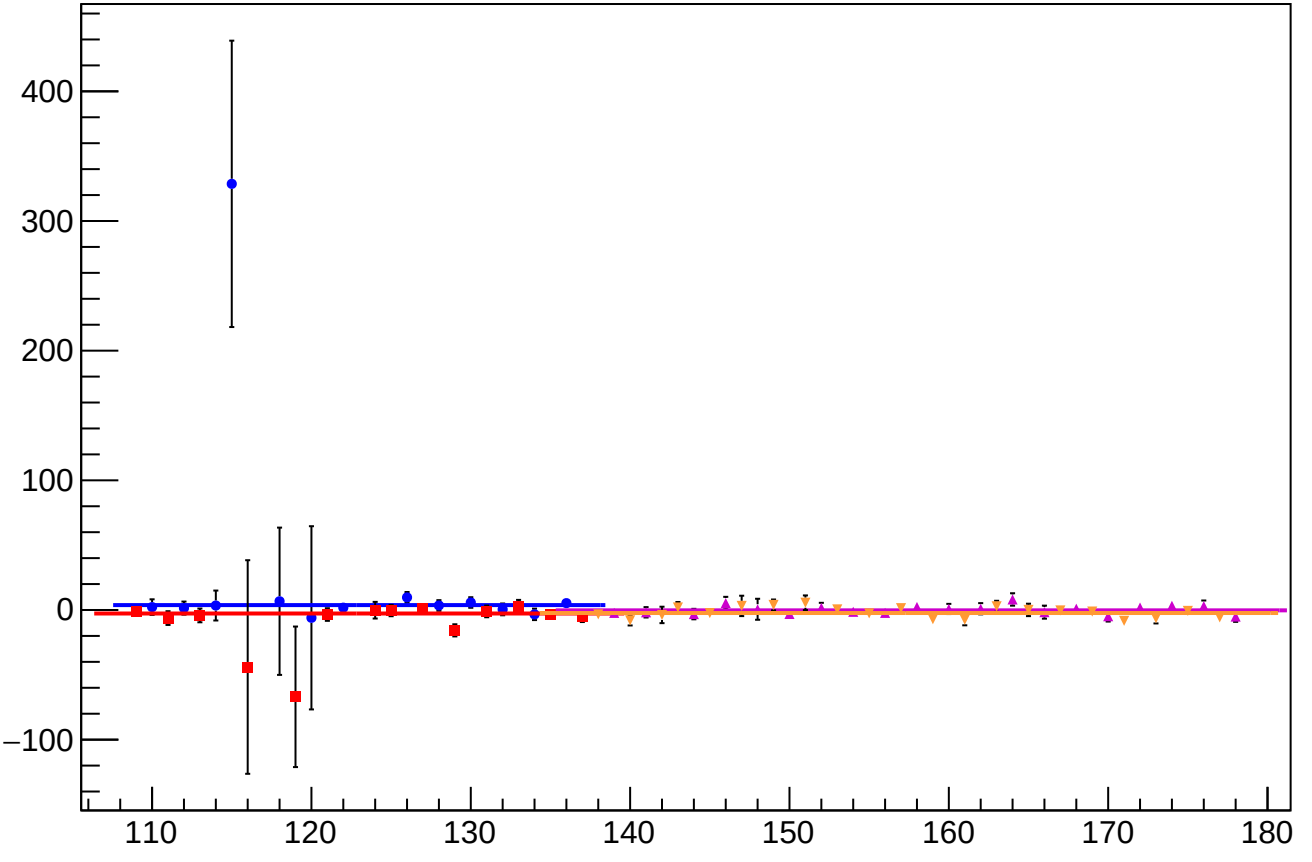
Left In: 1021.260+/-0.179 χ^2/NDF:126501.9/19

+ sign 1076.202+/-0.168 χ^2/NDF: 3190742.9/33

All: 1076.646+/-0.119 χ^2/NDF: 5929569.1/67

- sign 1077.096+/-0.169 χ^2/NDF: 2738812.1/33

diff_bpm1p02bY_mean vs Slug



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -2.331+/-0.839 χ^2/NDF:19.2/20

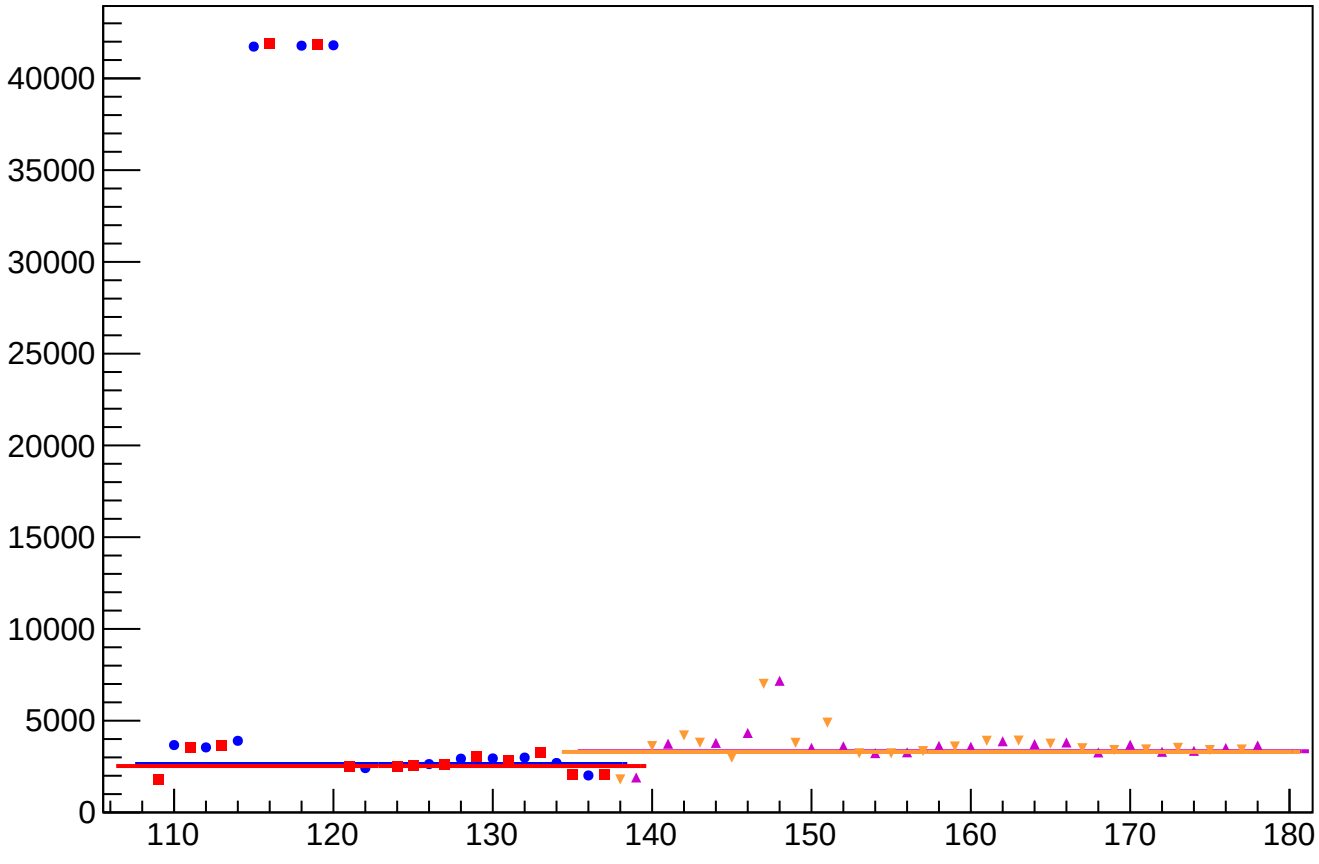
Right Out: -2.709+/-1.211 χ^2/NDF: 13.6/13

Left In: -0.277+/-0.854 χ^2/NDF:12.4/19

+ sign -0.430+/-0.697 χ^2/NDF: 50.8/33

All: -0.756+/-0.493 χ^2/NDF: 80.0/67

- sign -1.085+/-0.698 χ^2/NDF: 28.7/33



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 3297.394+/-0.593 χ^2/NDF:1885112.3/20

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

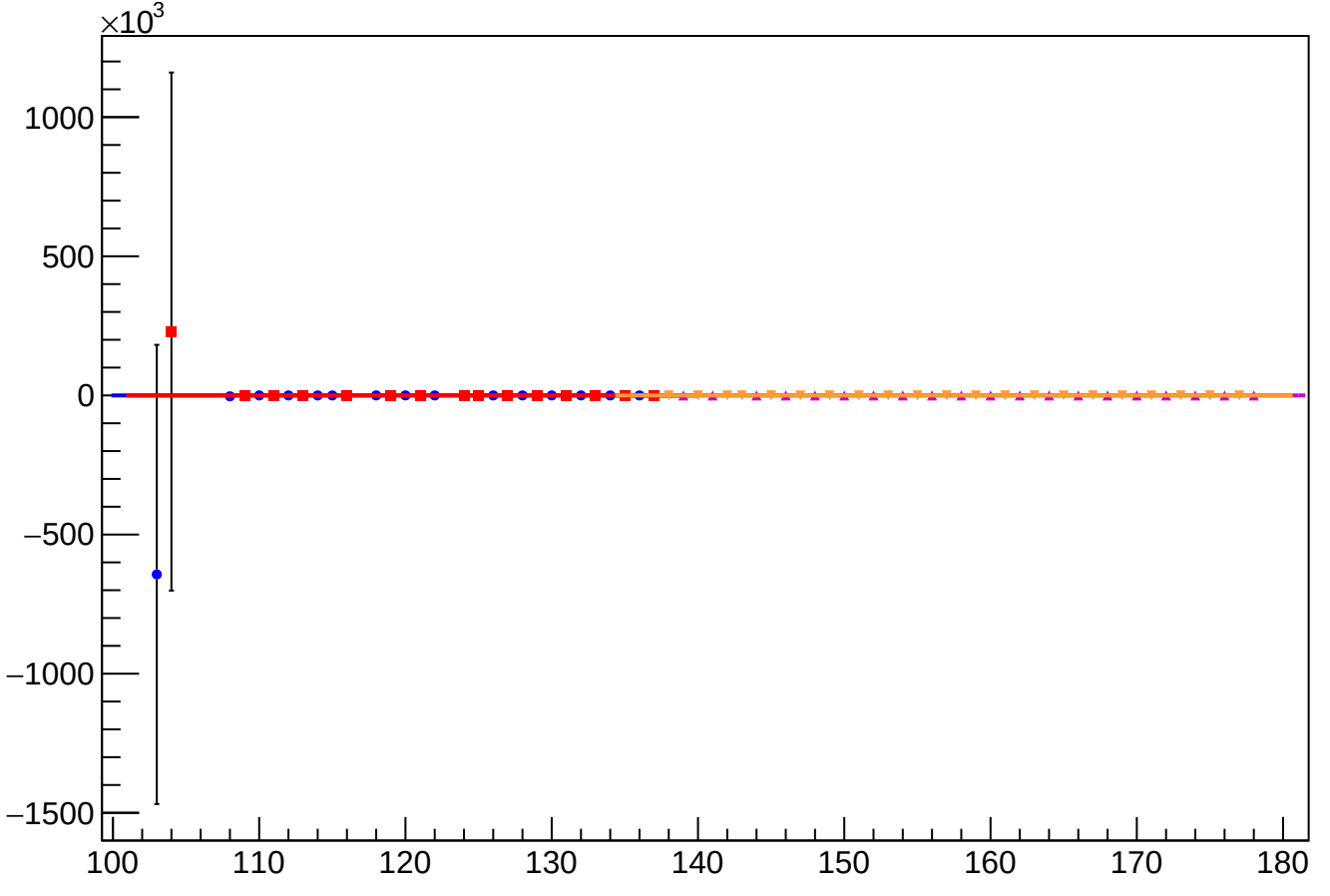
Left In: 3334.992+/-0.604 χ^2/NDF:1625309.6/19

+ sign 3092.727+/-0.493 χ^2/NDF: 4440561.9/33

All: 3080.034+/-0.349 χ^2/NDF: 8608852.6/67

- sign 3067.290+/-0.493 χ^2/NDF: 4166959.4/33

diff_bpm1p03aX_mean vs Slug



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -1.718+/-0.391 χ^2/NDF:46.6/20

Right Out: -2.670+/-1.211 χ^2/NDF: 14.4/14

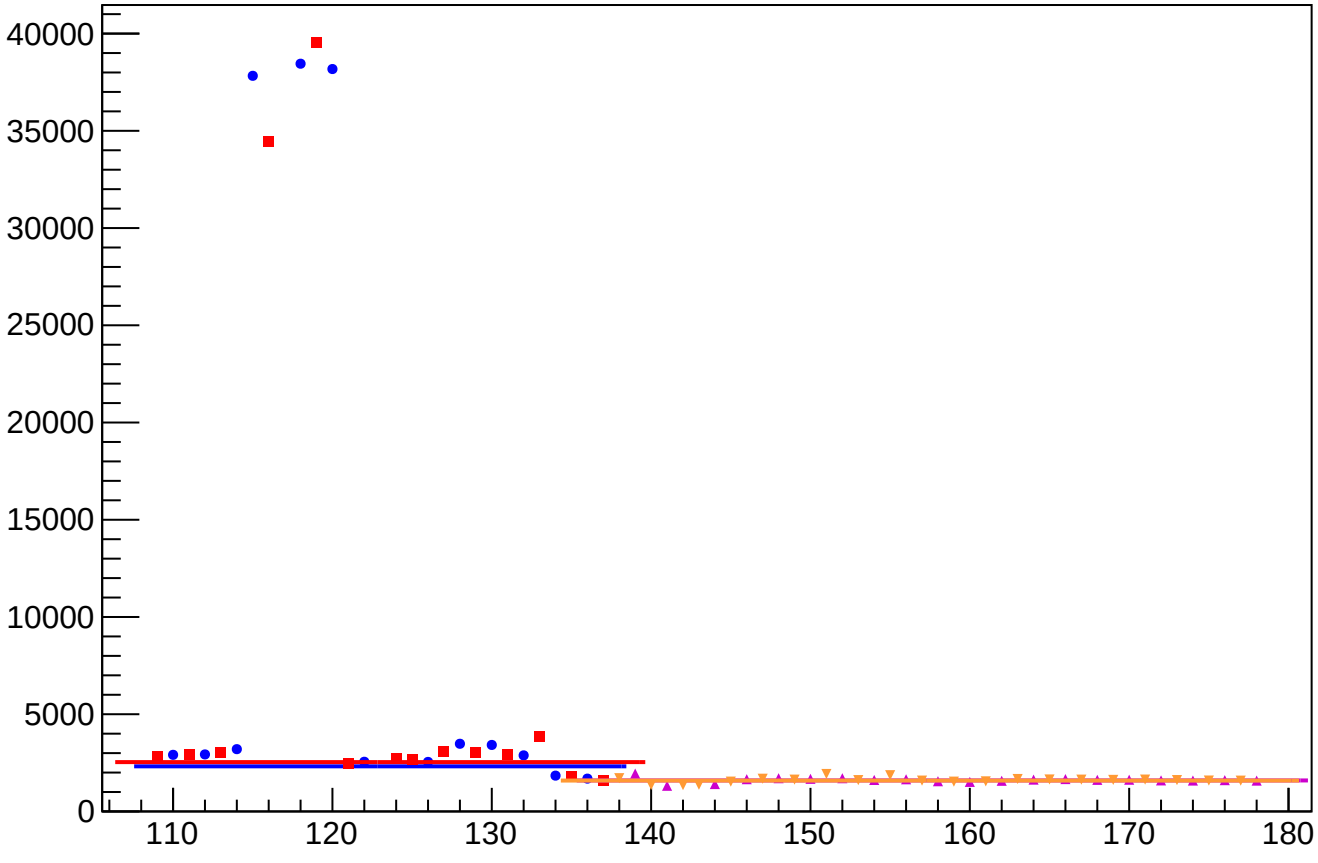
Left In: -0.228+/-0.397 χ^2/NDF:23.2/19

+ sign -1.664+/-0.369 χ^2/NDF: 65.5/35

All: -1.076+/-0.264 χ^2/NDF: 112.0/70

- sign -0.465+/-0.377 χ^2/NDF: 41.3/34

diff_bpm1p03aX_rms vs Slug



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1588.448+/-0.277 χ^2/NDF:230434.8/20

Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

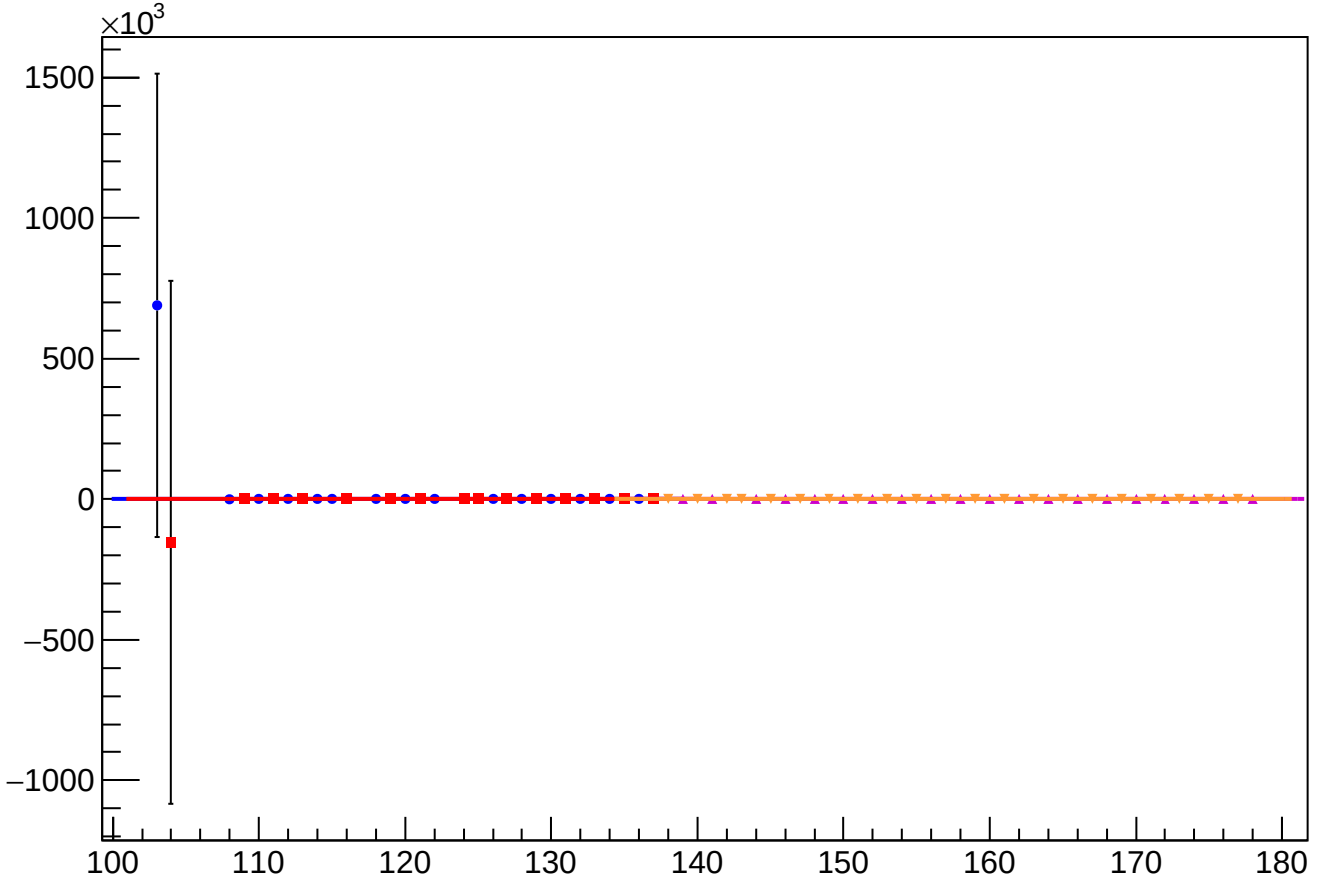
Left In: 1594.796+/-0.280 χ^2/NDF:196226.0/19

+ sign 1667.364+/-0.261 χ^2/NDF: 3446957.8/33

All: 1676.534+/-0.187 χ^2/NDF: 6778520.2/67

- sign 1686.072+/-0.266 χ^2/NDF: 3329049.1/33

diff_bpm1p03aY_mean vs Slug



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -1.123+/-0.541 χ^2/NDF:21.6/20

Right Out: -1.893+/-1.052 χ^2/NDF: 15.3/14

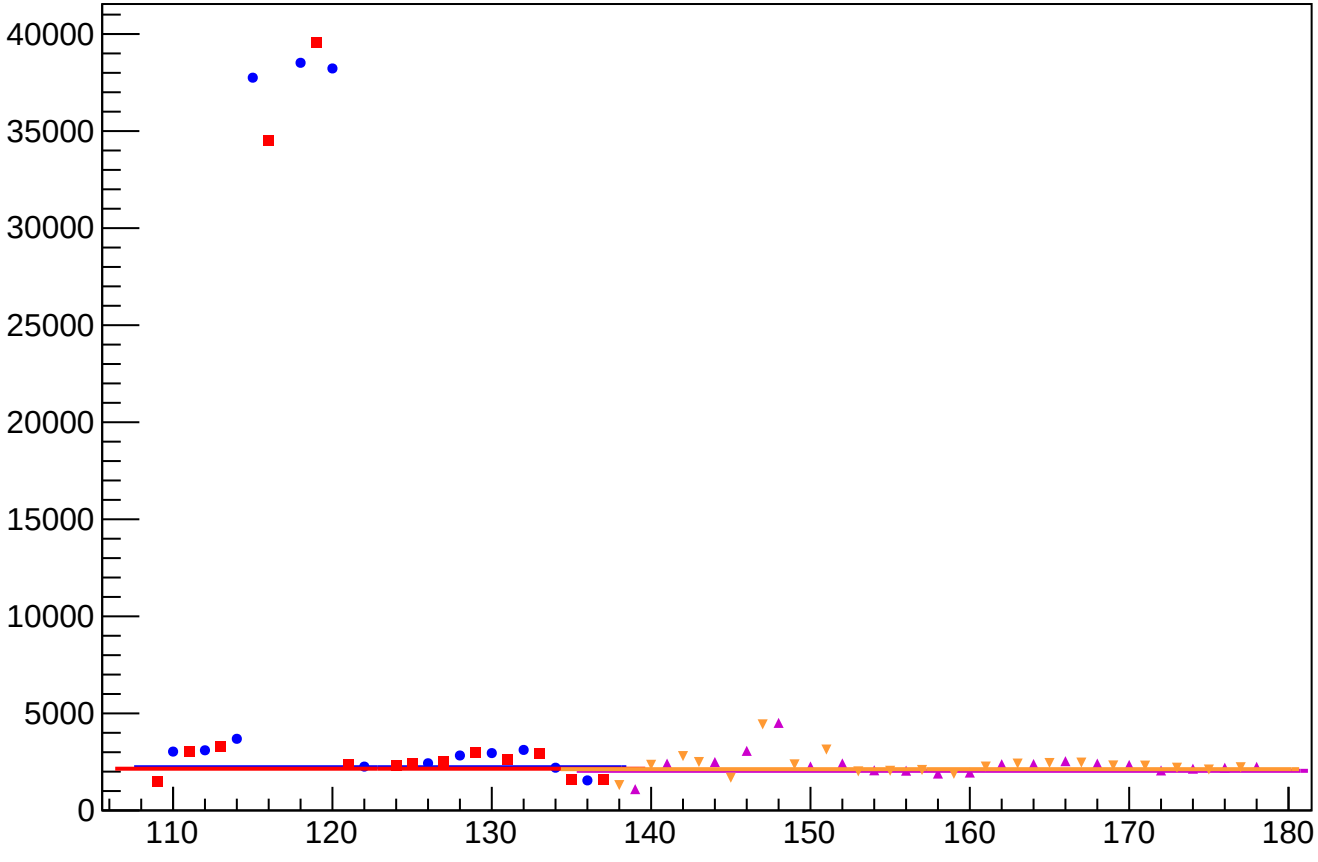
Left In: 0.039+/-0.529 χ^2/NDF:16.1/19

+ sign -0.552+/-0.484 χ^2/NDF: 32.2/35

All: -0.449+/-0.338 χ^2/NDF: 66.3/70

- sign -0.352+/-0.473 χ^2/NDF: 34.1/34

diff_bpm1p03aY_rms vs Slug



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 2127.383+/-0.383 χ^2/NDF:1471040.5/20

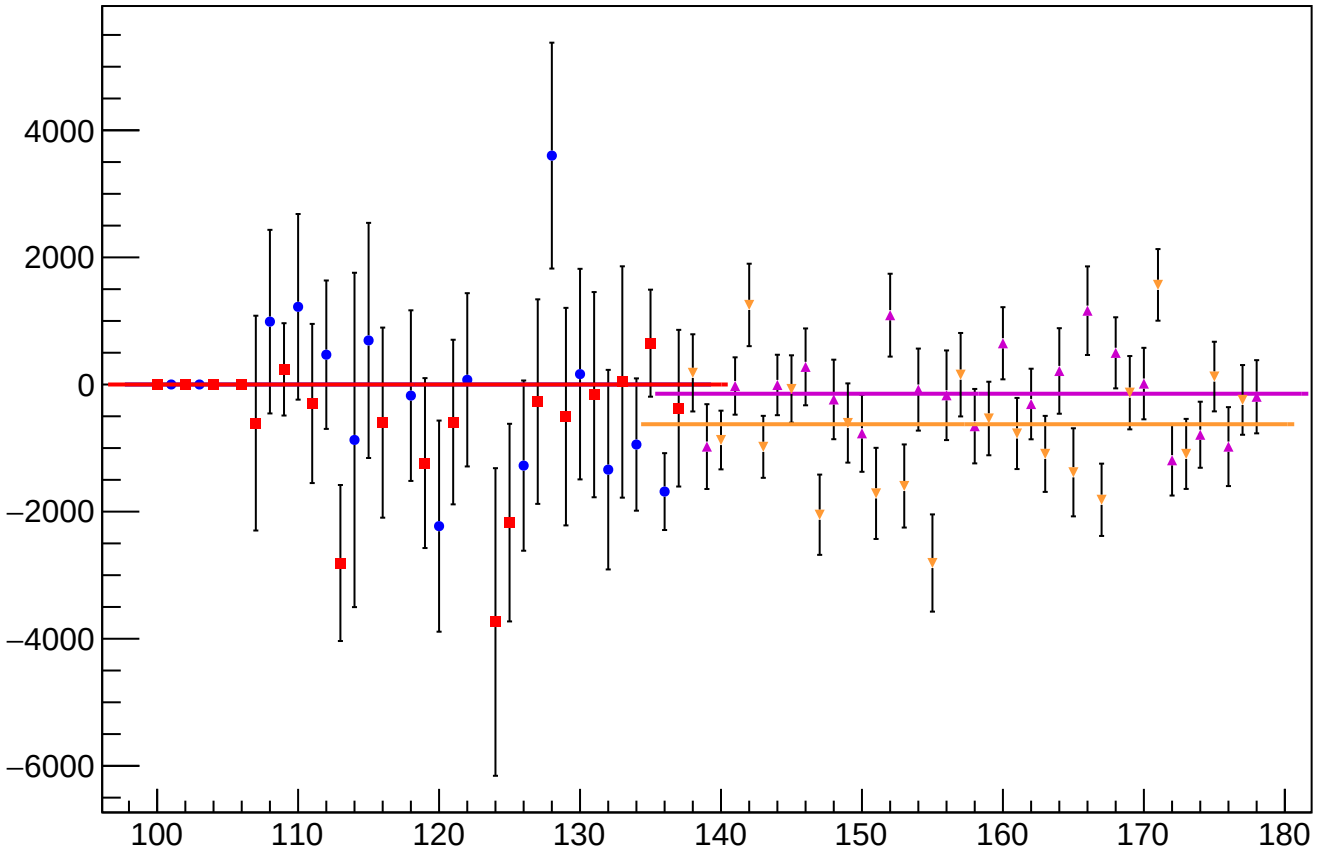
Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

Left In: 2041.354+/-0.374 χ^2/NDF:2272645.2/19

+ sign 2147.478+/-0.342 χ^2/NDF: 4006984.3/33

All: 2104.515+/-0.239 χ^2/NDF: 8559117.7/67

- sign 2063.468+/-0.334 χ^2/NDF: 4521264.0/33



Right In: 0.255+/-0.356 χ^2/NDF: 17.7/15

Left Out: -624.782+/-127.837 χ^2/NDF:56.4/20

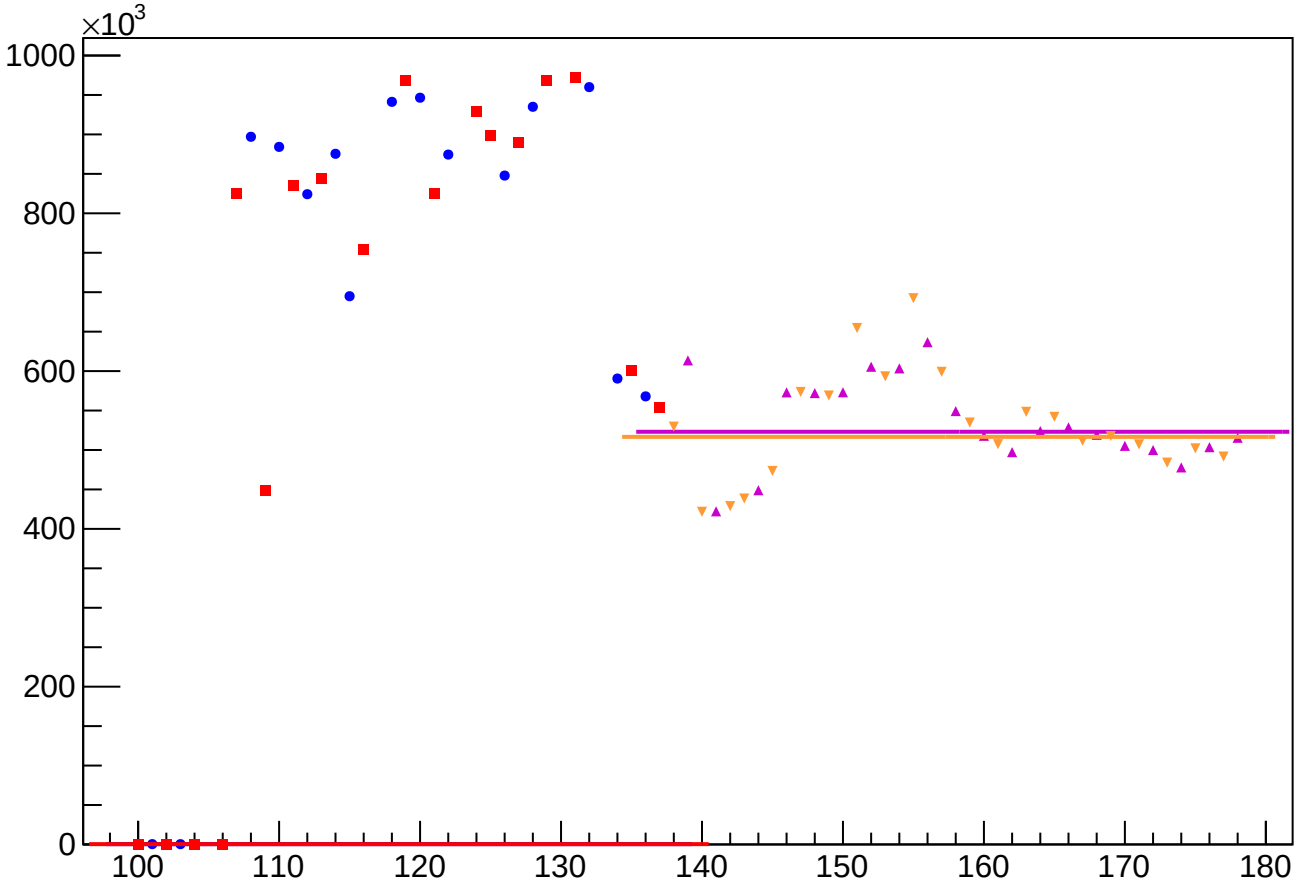
Right Out: 0.096+/-0.328 χ^2/NDF: 15.4/18

Left In: -145.131+/-130.407 χ^2/NDF:21.8/19

\+ sign 0.251+/-0.356 χ^2/NDF: 98.1/36

All: 0.166+/-0.241 χ^2/NDF: 136.6/75

\- sign 0.095+/-0.328 χ^2/NDF: 38.4/38



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 516646.422+/-90.395 χ^2/NDF:480139.2/20

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

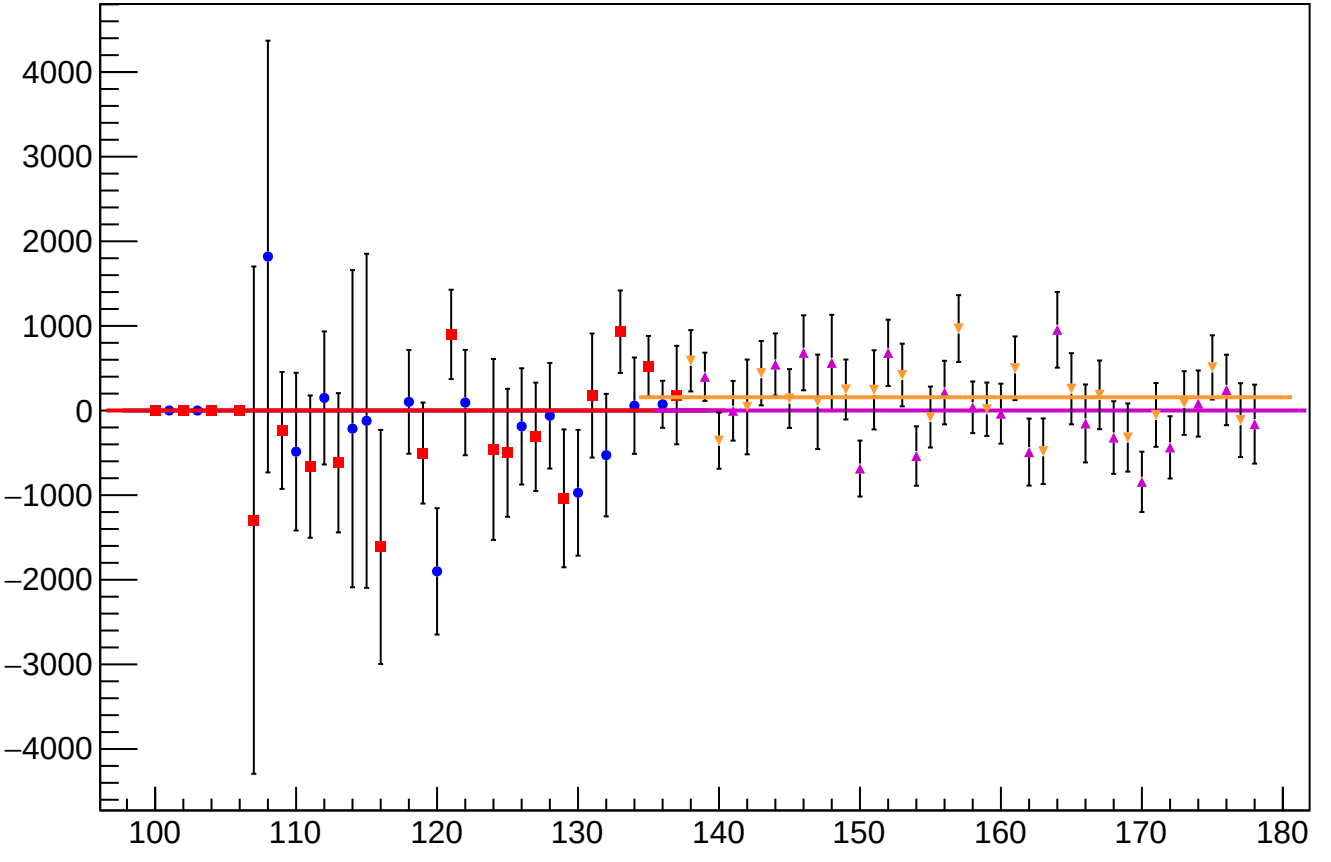
Left In: 523097.097+/-92.212 χ^2/NDF:371323.0/19

+ sign 402.877+/-0.251 χ^2/NDF: 41587655.8/35

All: 399.451+/-0.170 χ^2/NDF: 81739633.5/73

- sign 396.542+/-0.232 χ^2/NDF: 40151634.6/37

diff_cav4bY_mean vs Slug



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 157.170+/-84.467 χ^2/NDF:16.5/20

Right Out: 0.599+/-0.324 χ^2/NDF: 15.0/18

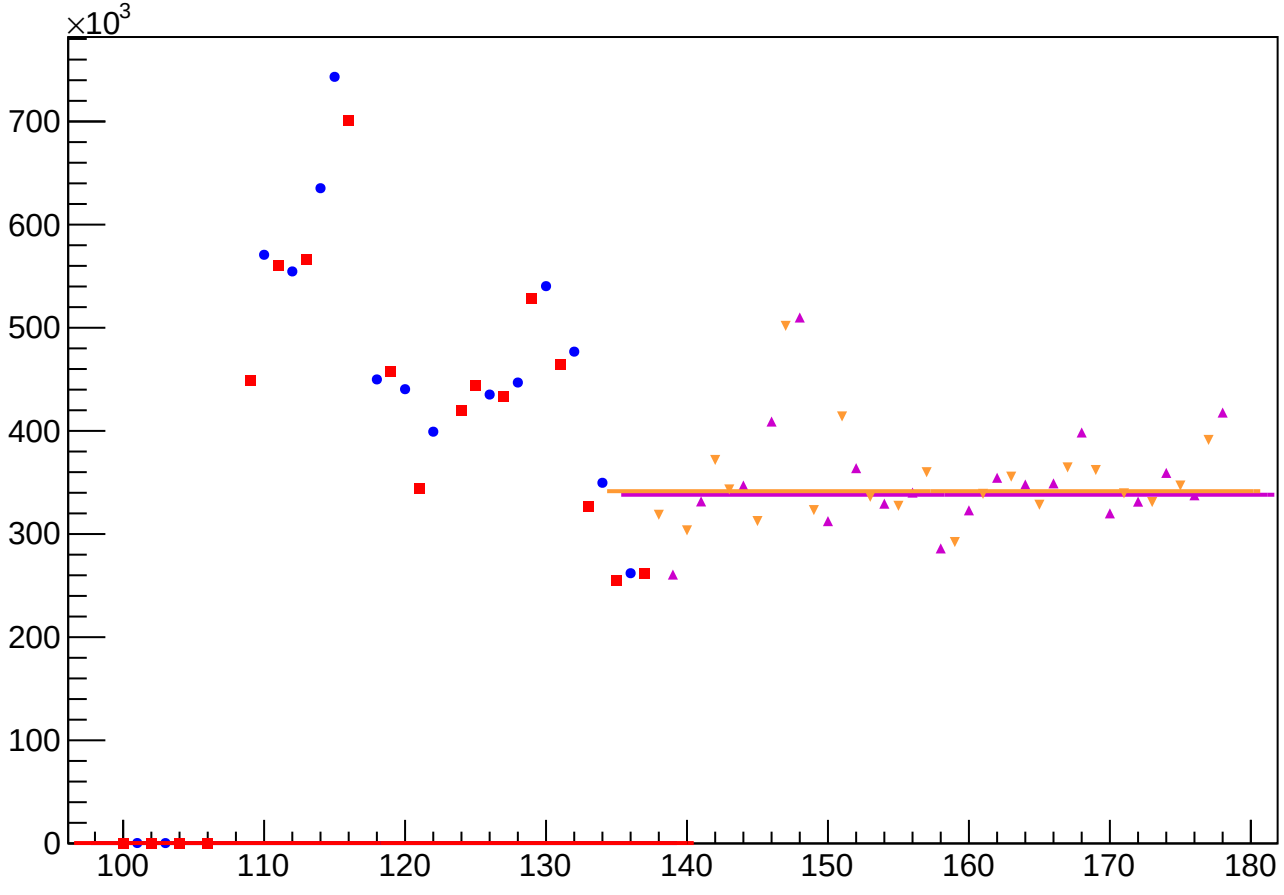
Left In: 0.566+/-84.740 χ^2/NDF:31.8/19

+ sign -0.018+/-0.347 χ^2/NDF: 30.4/36

All: 0.312+/-0.237 χ^2/NDF: 78.9/75

- sign 0.599+/-0.324 χ^2/NDF: 46.8/38

diff_cav4bY_rms vs Slug



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 341538.424+/-59.727 χ^2/NDF:373077.3/20

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

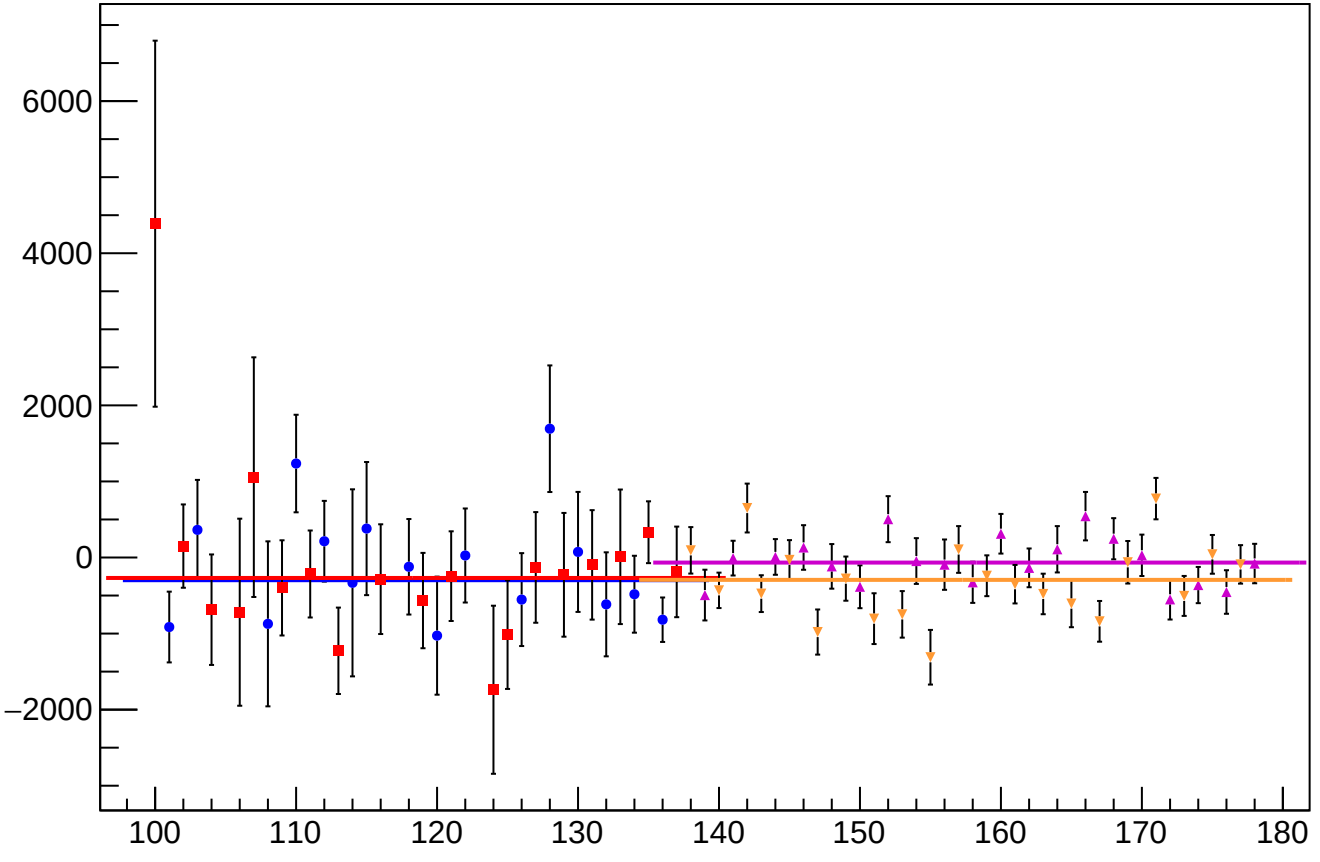
Left In: 338093.670+/-59.924 χ^2/NDF:582775.5/19

+ sign 396.037+/-0.245 χ^2/NDF: 44129102.8/35

All: 394.367+/-0.167 χ^2/NDF: 87545710.9/73

- sign 392.914+/-0.229 χ^2/NDF: 43416521.6/37

diff_cav4cX_mean vs Slug



Right In: -298.263+/-147.367 χ^2/NDF: 21.2/15

Left Out: -294.081+/-60.671 χ^2/NDF:56.6/20

Right Out: -268.892+/-156.582 χ^2/NDF: 13.9/18

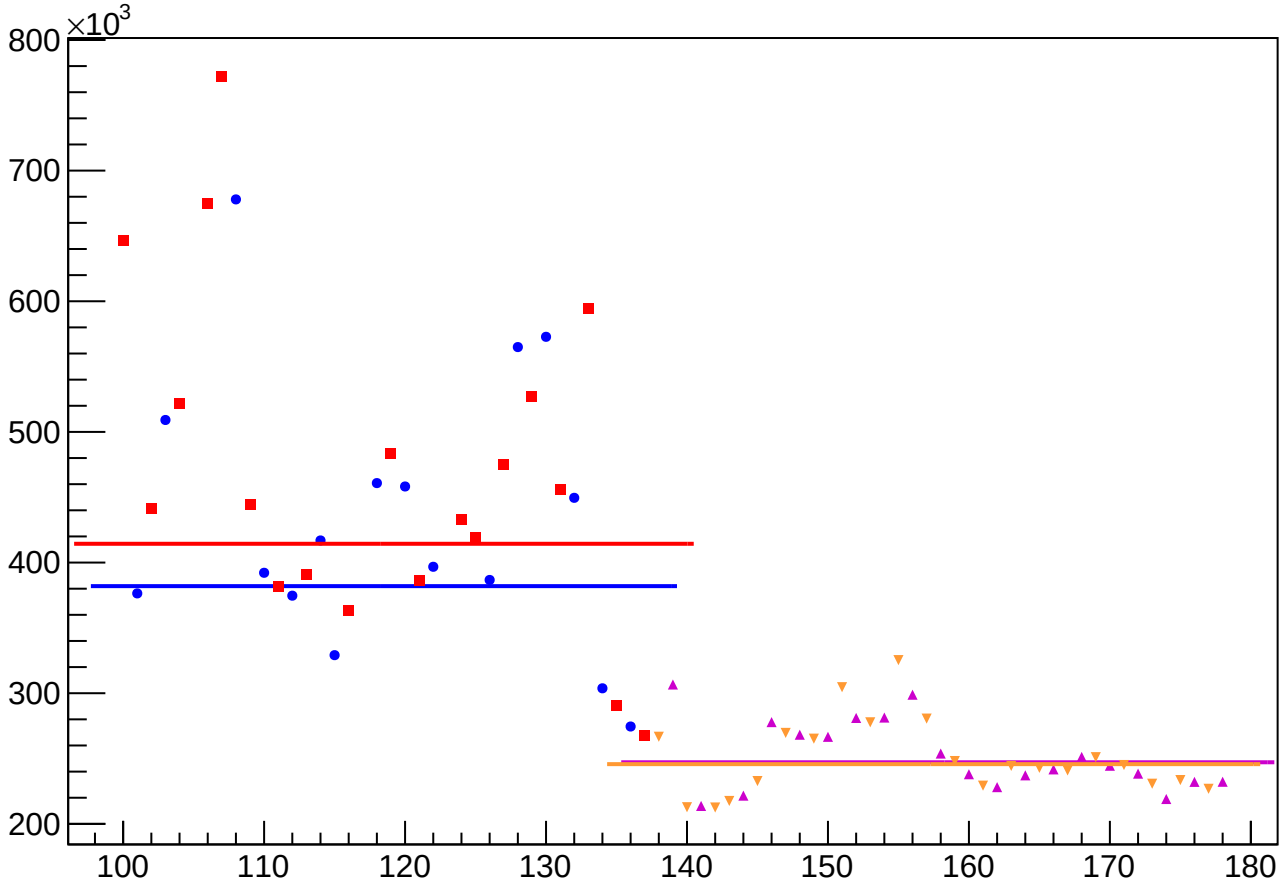
Left In: -66.698+/-61.561 χ^2/NDF:22.4/19

+ sign -294.687+/-56.103 χ^2/NDF: 77.8/36

All: -196.335+/-40.085 χ^2/NDF: 121.8/75

- sign -93.768+/-57.292 χ^2/NDF: 37.7/38

diff_cav4cX_rms vs Slug



Right In: 381960.471+/-104.223 χ^2/NDF: 836441.6/15

Left Out: 245714.509+/-42.901 χ^2/NDF:365532.2/20

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

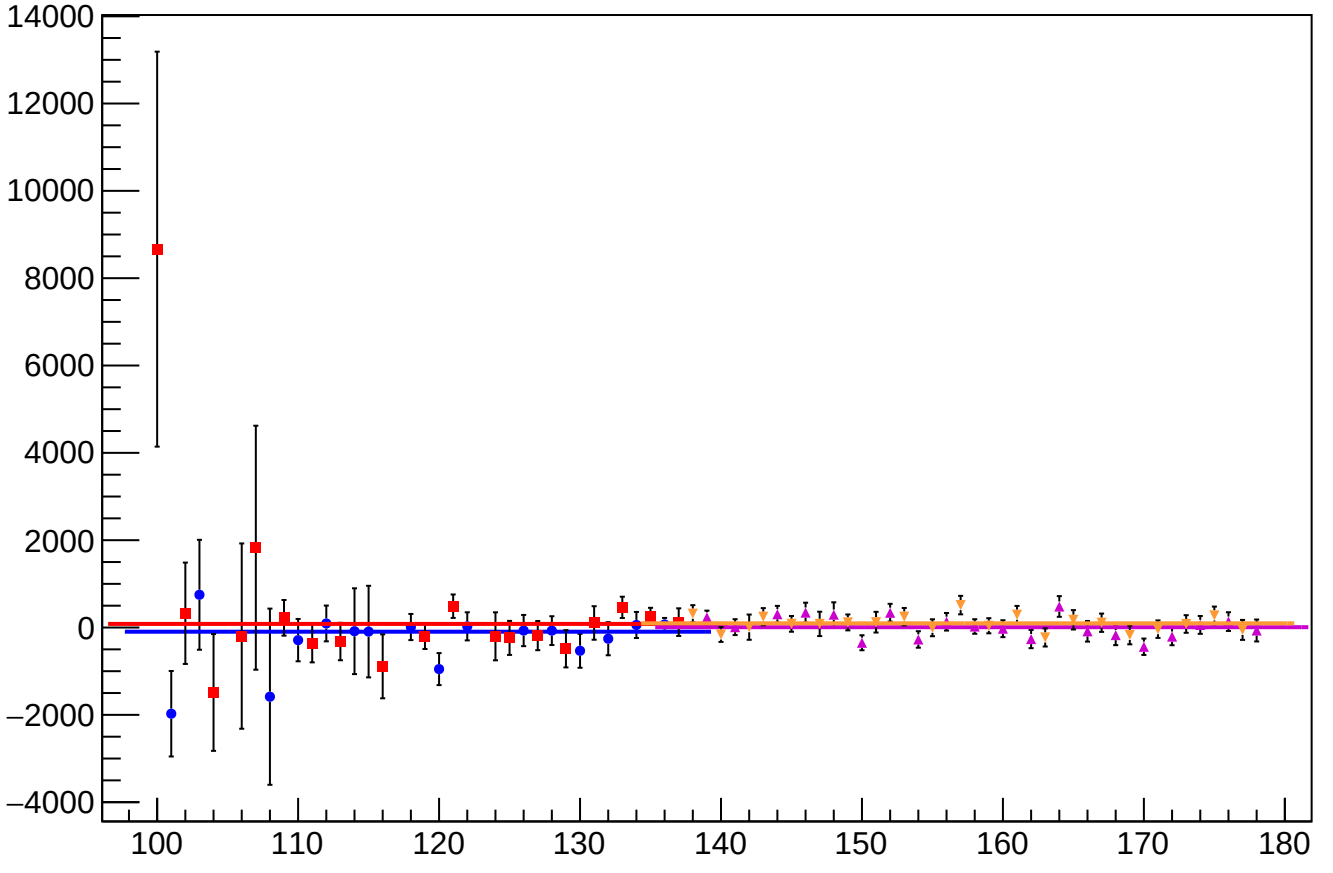
Left In: 247145.425+/-43.530 χ^2/NDF:332475.6/19

+ sign 265454.941+/-39.672 χ^2/NDF: 2663282.8/36

All: 267446.915+/-28.345 χ^2/NDF: 5736033.

- sign 269524.285+/-40.513 χ^2/NDF: 3067600.2/38

diff_cav4cY_mean vs Slug



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 96.452+/-44.570 χ^2/NDF:15.9/20

Right Out: 82.750+/-87.316 χ^2/NDF: 19.1/18

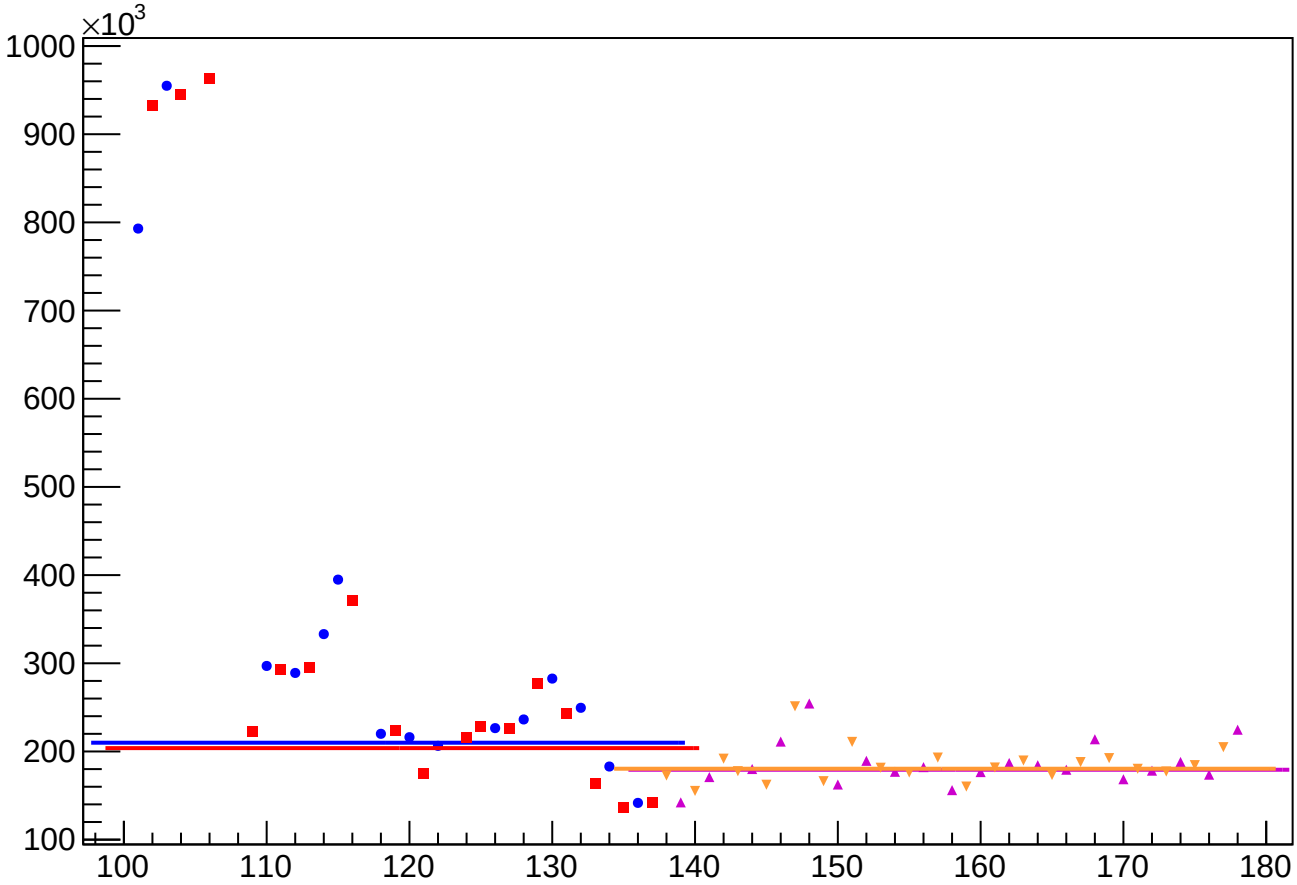
Left In: 7.611+/-44.840 χ^2/NDF:31.1/19

+ sign 57.382+/-39.786 χ^2/NDF: 33.4/36

All: 40.380+/-28.169 χ^2/NDF: 84.5/75

- sign 23.291+/-39.888 χ^2/NDF: 50.8/38

diff_cav4cY_rms vs Slug



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 180426.683+/-31.516 χ^2/NDF:319424.3/20

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

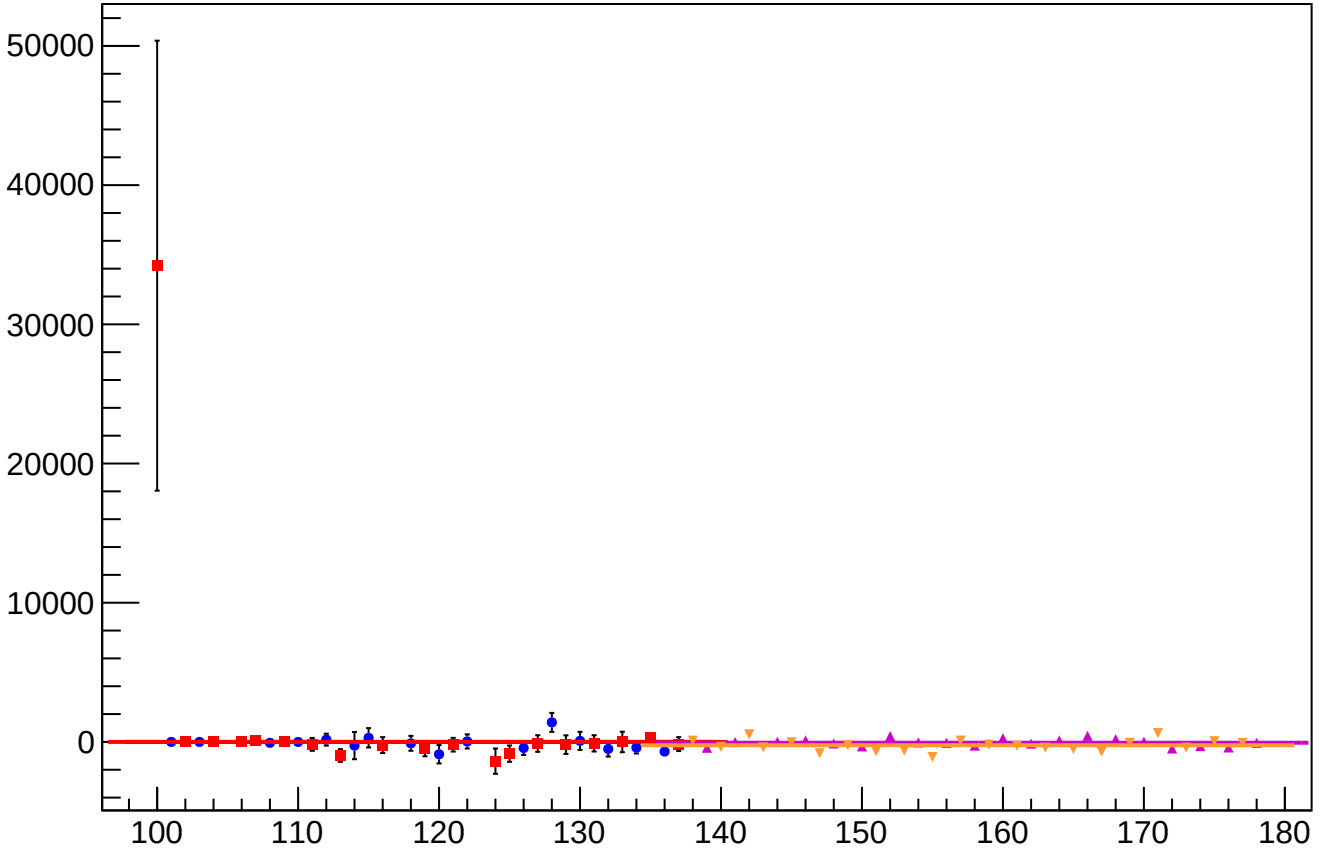
Left In: 179261.588+/-31.707 χ^2/NDF:487430.9/19

+ sign 186404.151+/-28.143 χ^2/NDF: 2456868.6/35

All: 185385.335+/-19.927 χ^2/NDF: 5141842.

- sign 184360.968+/-28.219 χ^2/NDF: 2682346.1/36

diff_cav4dX_mean vs Slug



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -242.165+/-50.709 χ^2/NDF:56.5/20

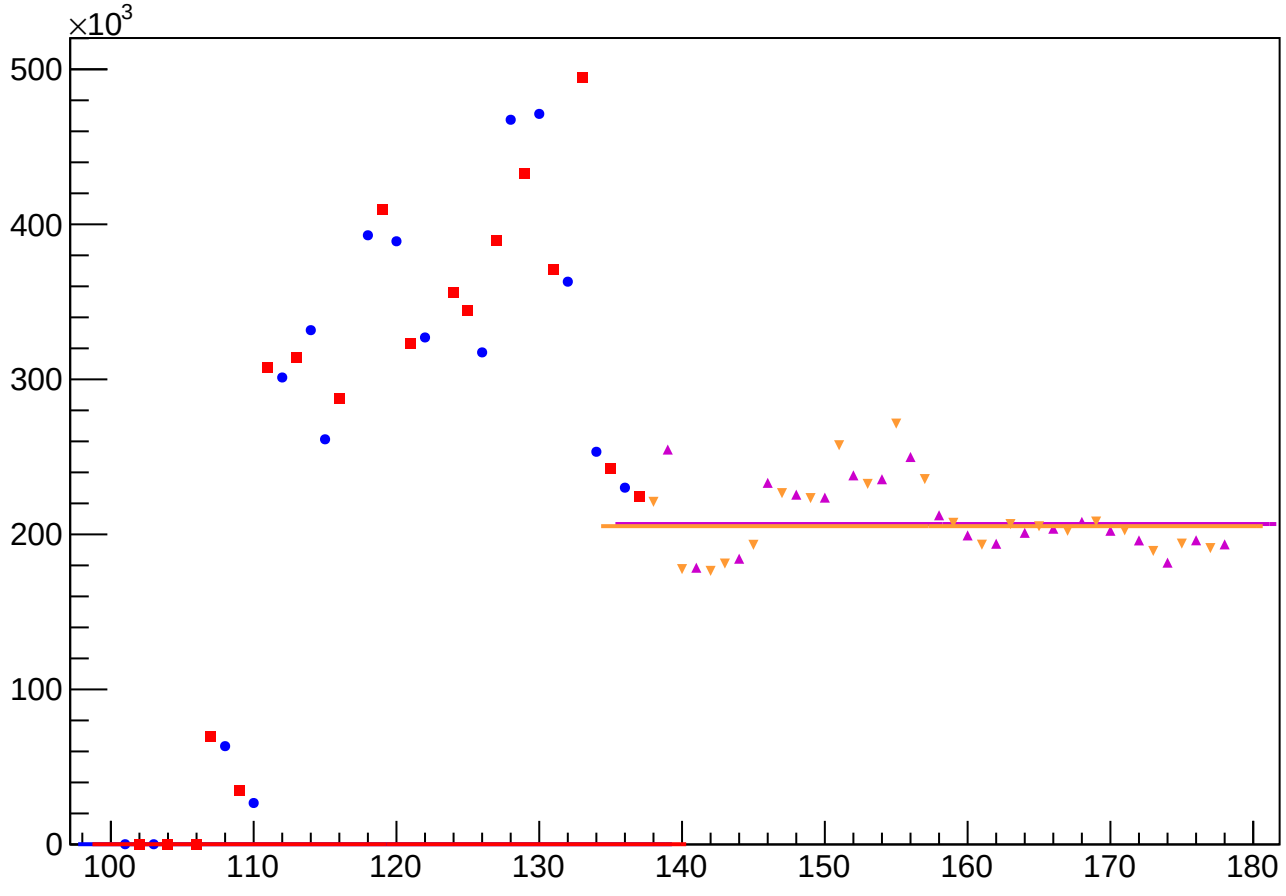
Right Out: -0.355+/-0.160 χ^2/NDF: 16.5/18

Left In: -59.017+/-51.491 χ^2/NDF:22.6/19

+ sign -0.038+/-0.172 χ^2/NDF: 97.5/36

All: -0.208+/-0.117 χ^2/NDF: 139.7/75

- sign -0.356+/-0.160 χ^2/NDF: 40.4/38



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 205310.920+/-35.857 χ^2/NDF:381276.0/20

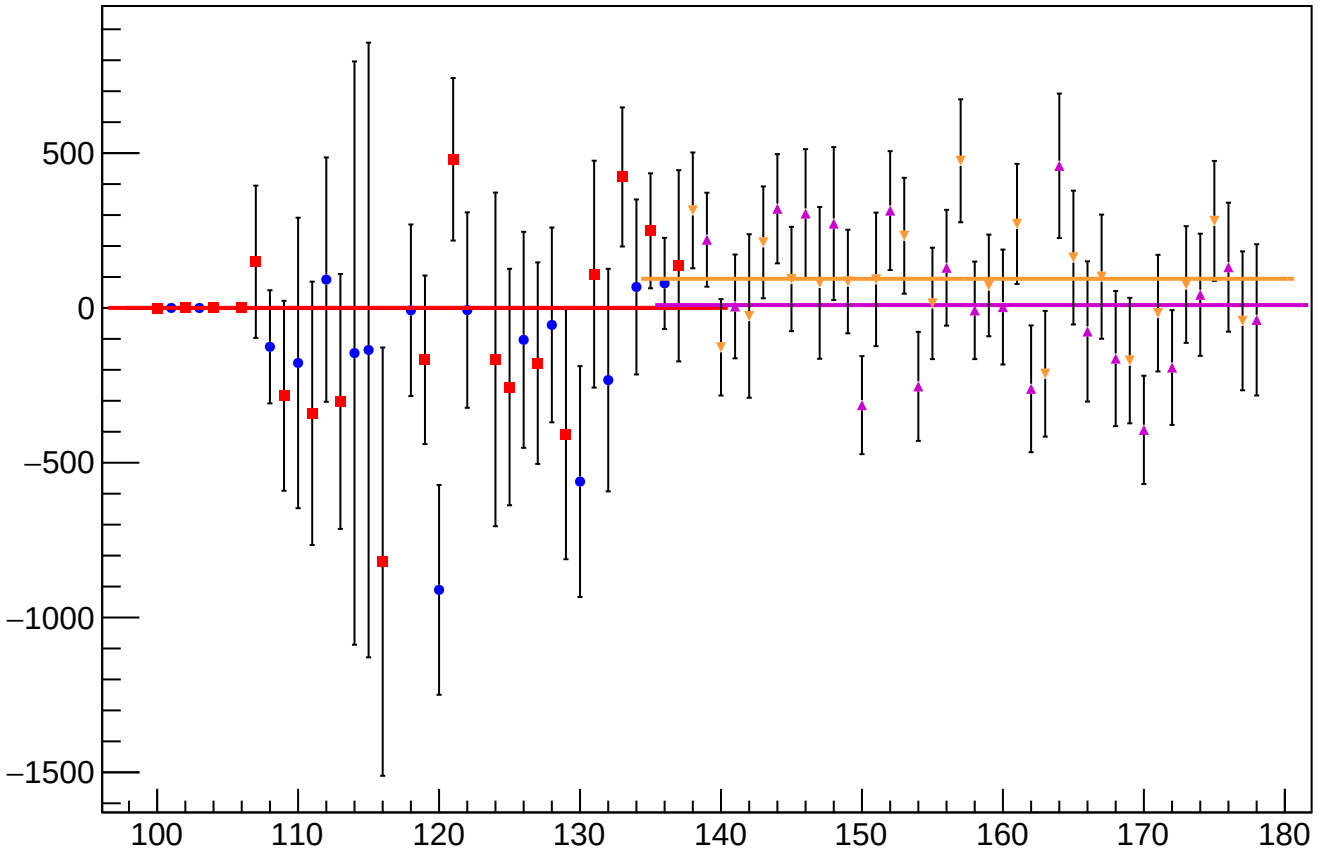
Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

Left In: 206688.769+/-36.409 χ^2/NDF:340877.1/19

+ sign 151.460+/-0.122 χ^2/NDF: 44420550.4/36

All: 151.415+/-0.083 χ^2/NDF: 88229175.5/74

- sign 151.376+/-0.113 χ^2/NDF: 43808624.9/37



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 94.057+/-41.878 χ^2/NDF:15.1/20

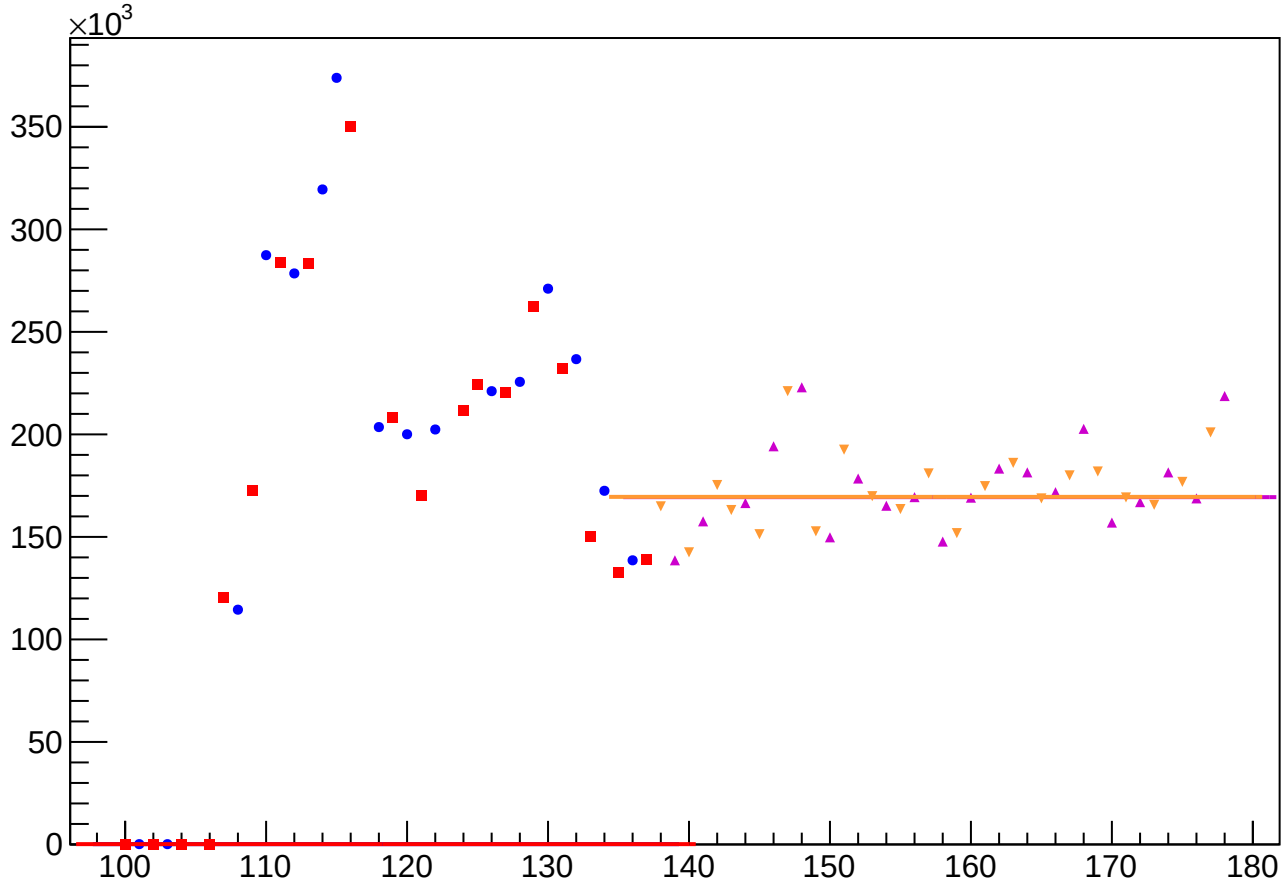
Right Out: 0.126+/-0.166 χ^2/NDF: 15.2/18

Left In: 9.164+/-42.337 χ^2/NDF:30.7/19

+ sign -0.066+/-0.177 χ^2/NDF: 31.3/36

All: 0.036+/-0.121 χ^2/NDF: 77.9/75

- sign 0.126+/-0.166 χ^2/NDF: 46.0/38



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 169525.379+/-29.612 χ^2/NDF:322571.5/20

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

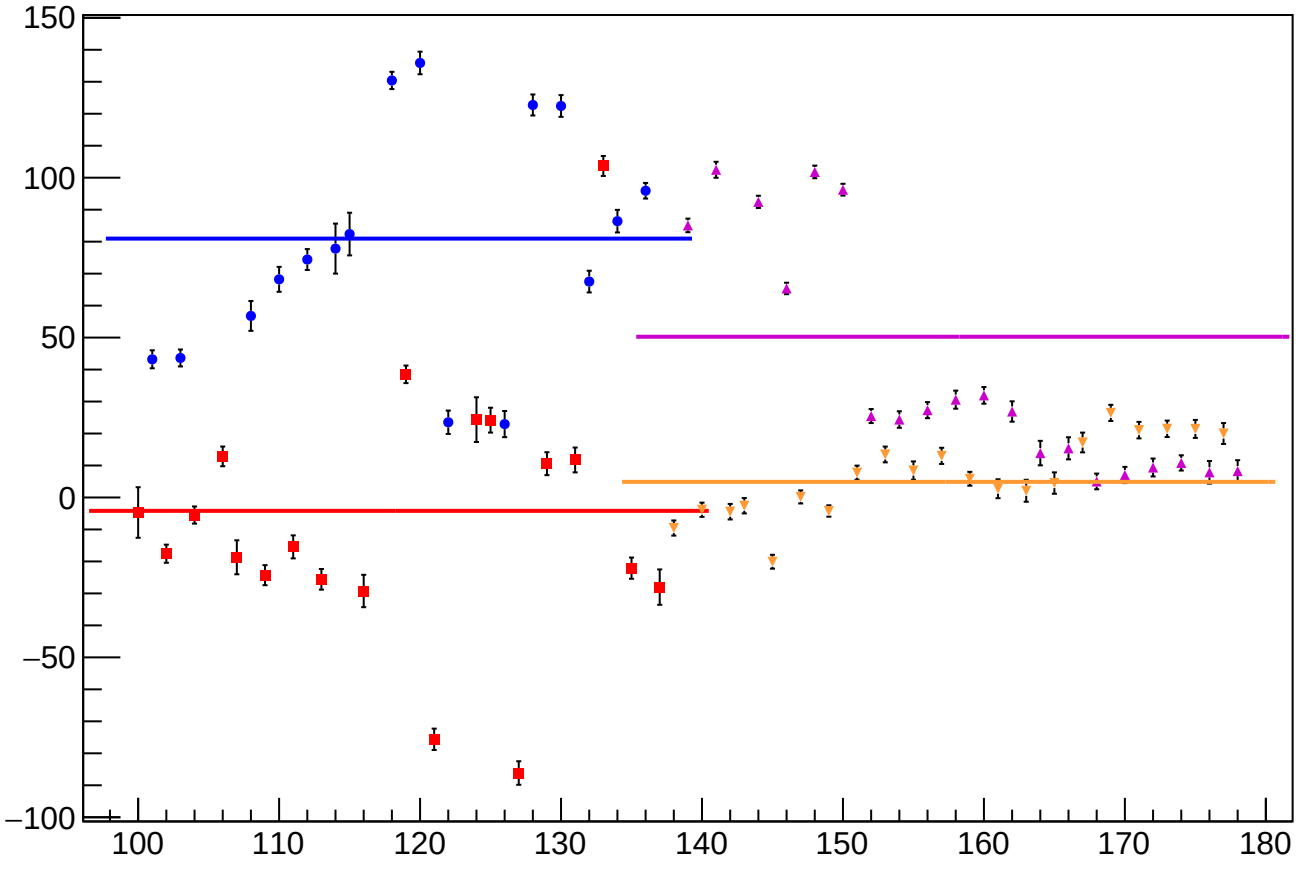
Left In: 169391.575+/-29.937 χ^2/NDF:450370.0/19

+ sign 156.494+/-0.125 χ^2/NDF: 44941623.6/36

All: 157.705+/-0.086 χ^2/NDF: 88679676.2/75

- sign 158.775+/-0.118 χ^2/NDF: 43737876.6/38

diff_bpm0i01X_mean vs Slug



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: 4.886+/-0.541 χ^2/NDF:493.3/20

Right Out: -4.183+/-0.820 χ^2/NDF: 2719.7/18

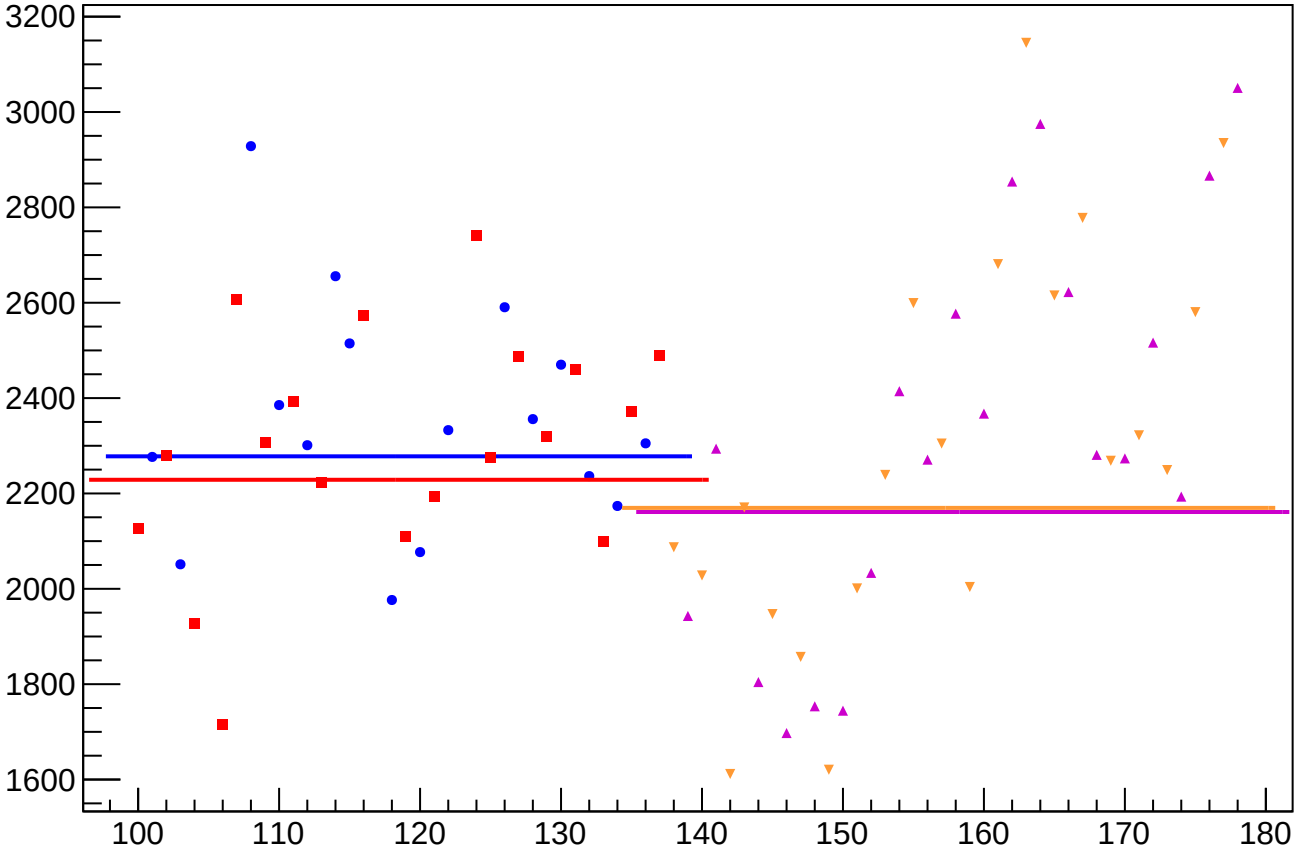
Left In: 50.264+/-0.547 χ^2/NDF:4631.7/19

+ sign 26.742+/-0.456 χ^2/NDF: 7995.6/36

All: 30.139+/-0.322 χ^2/NDF: 18509.1/75

- sign 33.513+/-0.455 χ^2/NDF: 10403.1/38

diff_bpm0i01X_rms vs Slug



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 2169.743+/-0.382 χ^2/NDF:948086.3/20

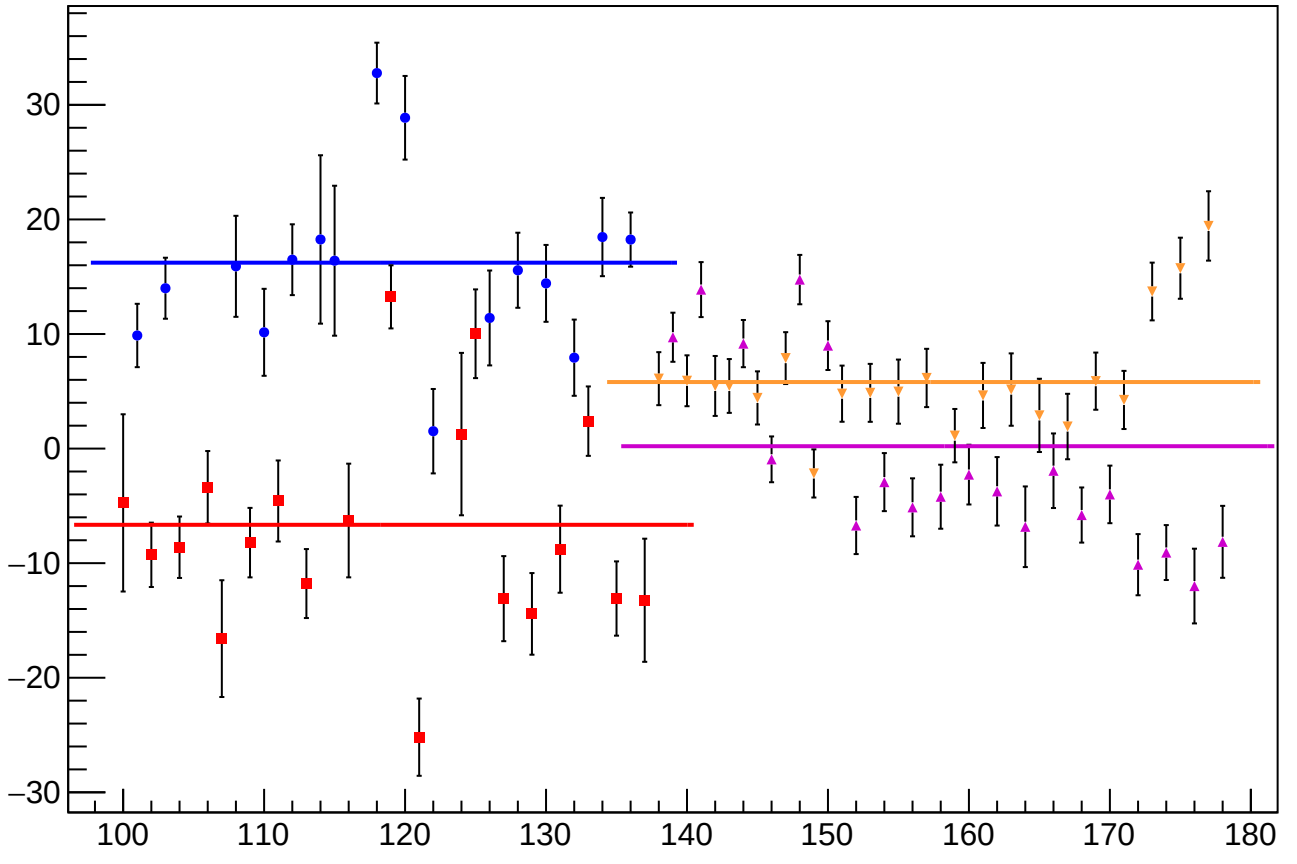
Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

Left In: 2161.102+/-0.387 χ^2/NDF:981080.3/19

+ sign 2200.809+/-0.323 χ^2/NDF: 1086842.9/36

All: 2191.320+/-0.228 χ^2/NDF: 2230187.0/75

- sign 2181.895+/-0.322 χ^2/NDF: 1141620.8/38



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 5.809+/-0.552 χ^2/NDF:67.4/20

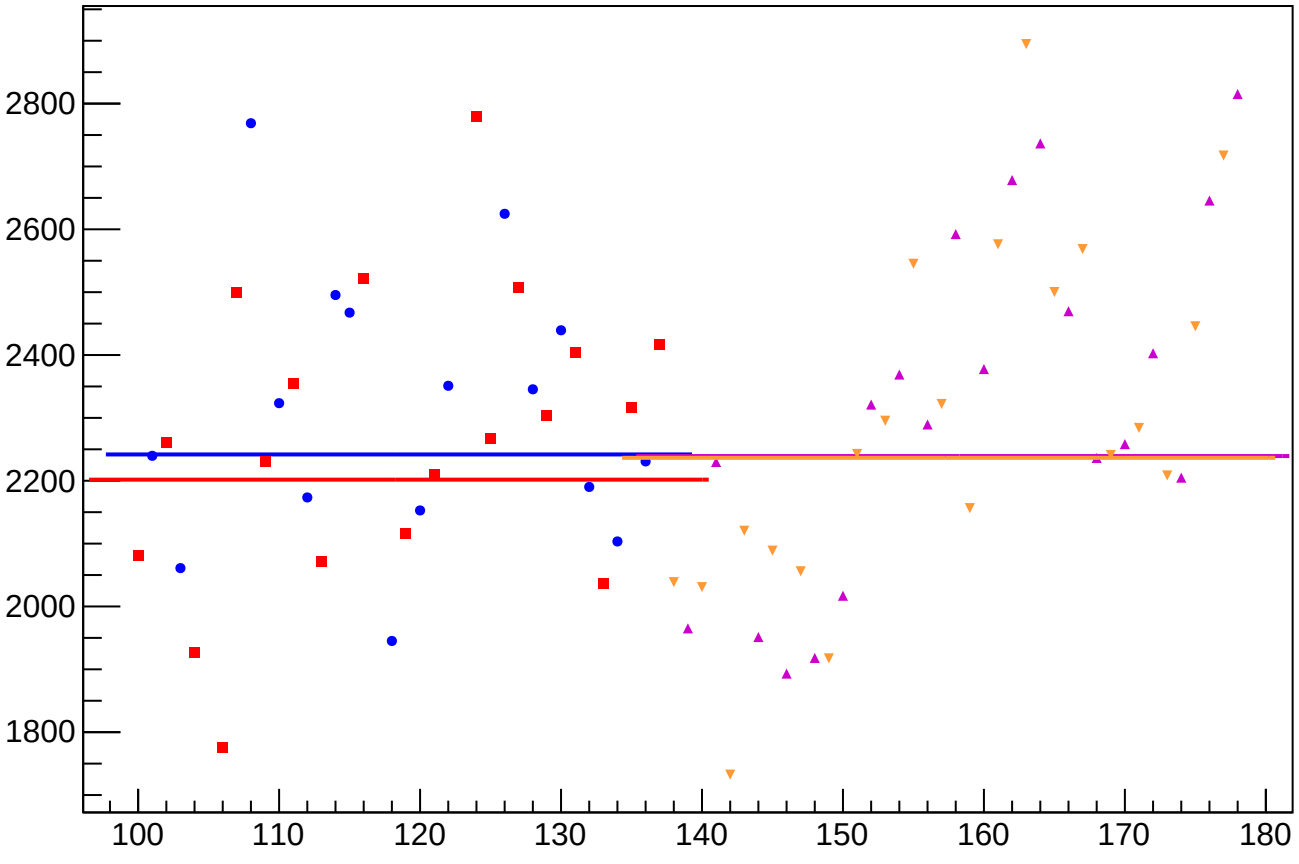
Right Out: -6.652+/-0.809 χ^2/NDF: 134.6/18

Left In: 0.207+/-0.560 χ^2/NDF:217.2/19

+ sign 8.963+/-0.461 χ^2/NDF: 259.8/36

All: 3.470+/-0.326 χ^2/NDF: 944.0/75

- sign -2.014+/-0.461 χ^2/NDF: 400.4/38



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2236.469+/-0.390 χ^2/NDF:427734.7/20

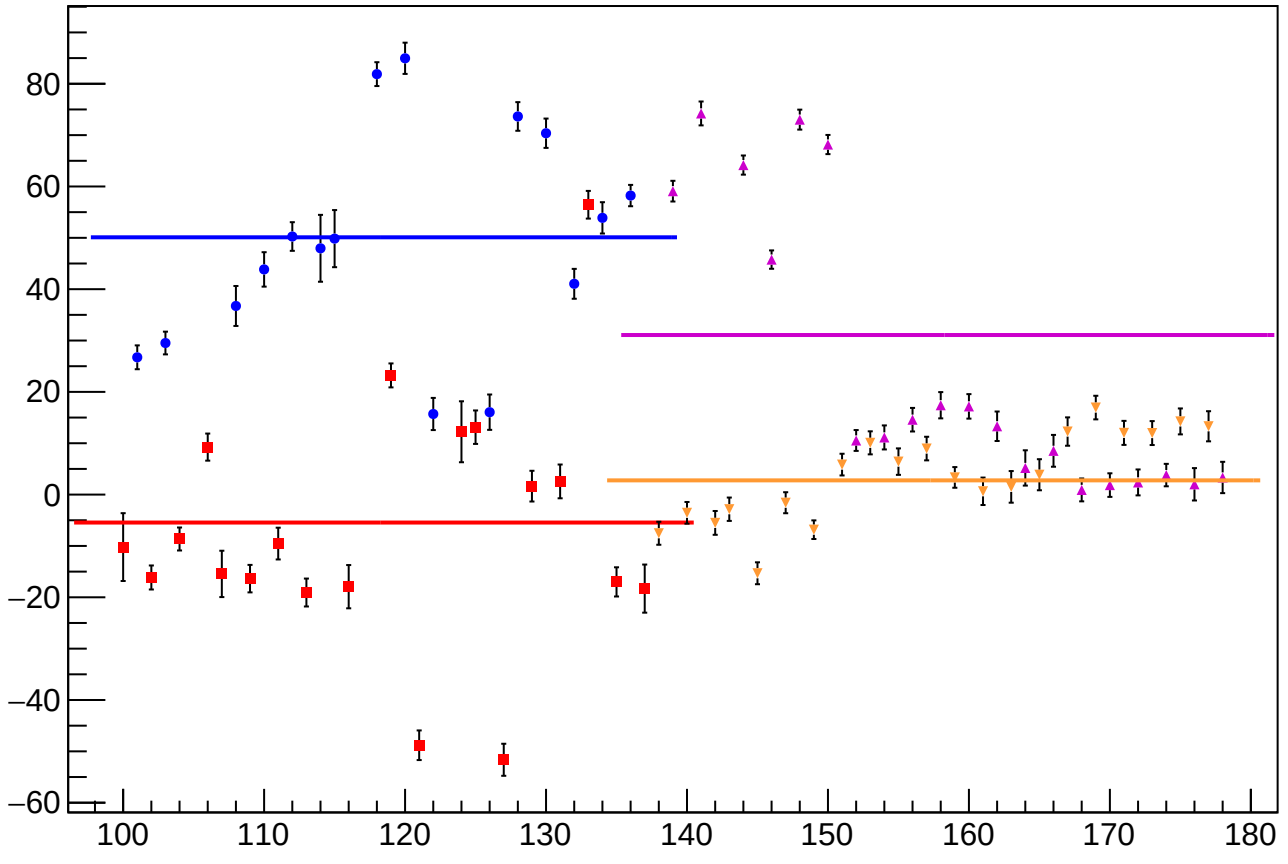
Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

Left In: 2239.291+/-0.396 χ^2/NDF:443227.9/19

+ sign 2238.099+/-0.326 χ^2/NDF: 530053.0/36

All: 2232.611+/-0.230 χ^2/NDF: 1106642.0/75

- sign 2227.132+/-0.326 χ^2/NDF: 576022.4/38



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: 2.769+/-0.507 χ^2/NDF:291.3/20

Right Out: -5.444+/-0.694 χ^2/NDF: 1311.6/18

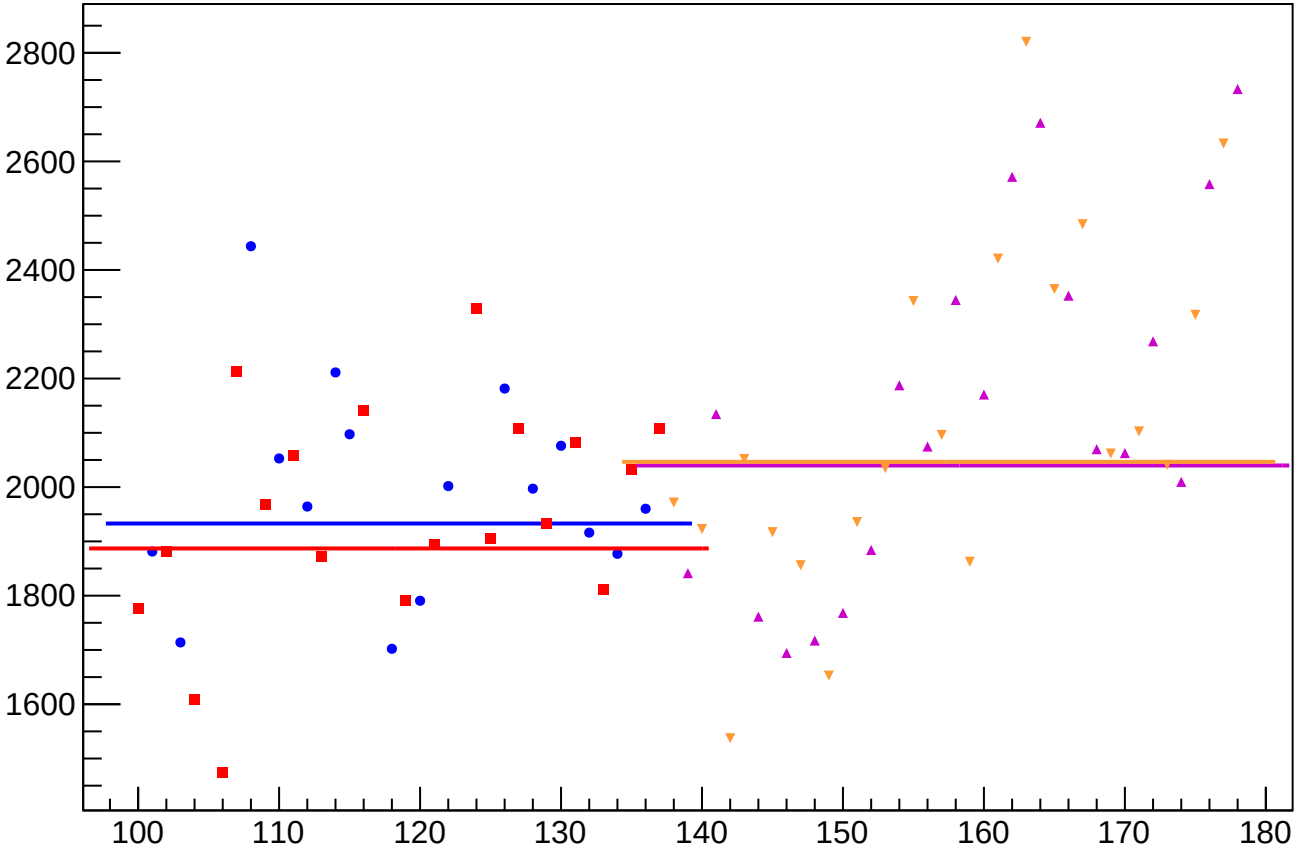
Left In: 31.074+/-0.513 χ^2/NDF:3015.6/19

\+ sign 18.396+/-0.415 χ^2/NDF: 4057.8/36

All: 18.289+/-0.293 χ^2/NDF: 10175.1/75

\- sign 18.183+/-0.412 χ^2/NDF: 6117.2/38

diff_bpm0i01aX_rms vs Slug



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 2046.539+/-0.358 χ^2/NDF:616249.0/20

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

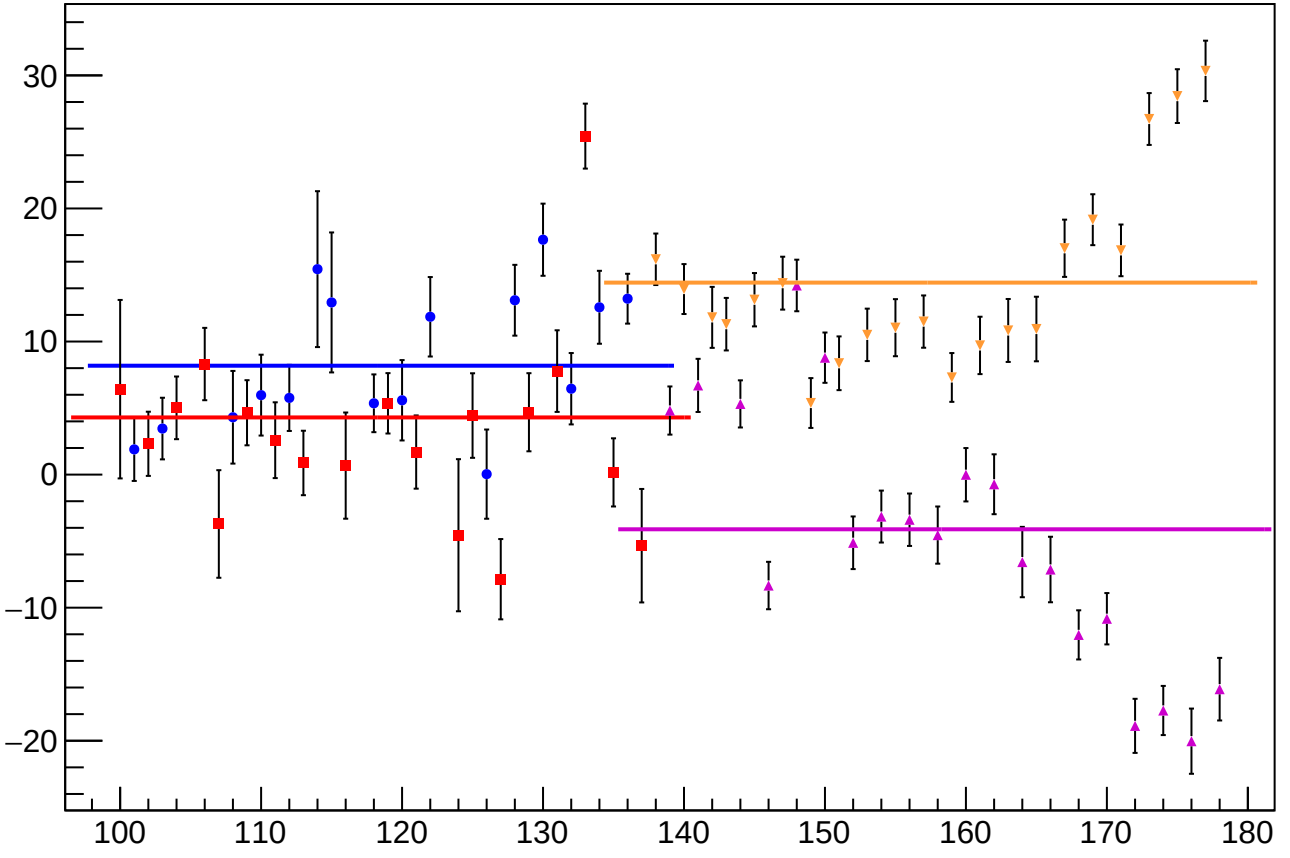
Left In: 2039.849+/-0.363 χ^2/NDF:625184.0/19

+ sign 2009.023+/-0.293 χ^2/NDF: 755391.1/36

All: 1997.391+/-0.207 χ^2/NDF: 1596161.4/75

- sign 1985.894+/-0.292 χ^2/NDF: 837644.7/38

diff_bpm0i01aY_mean vs Slug



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 14.428+/-0.444 χ^2/NDF:216.5/20

Right Out: 4.297+/-0.665 χ^2/NDF: 114.0/18

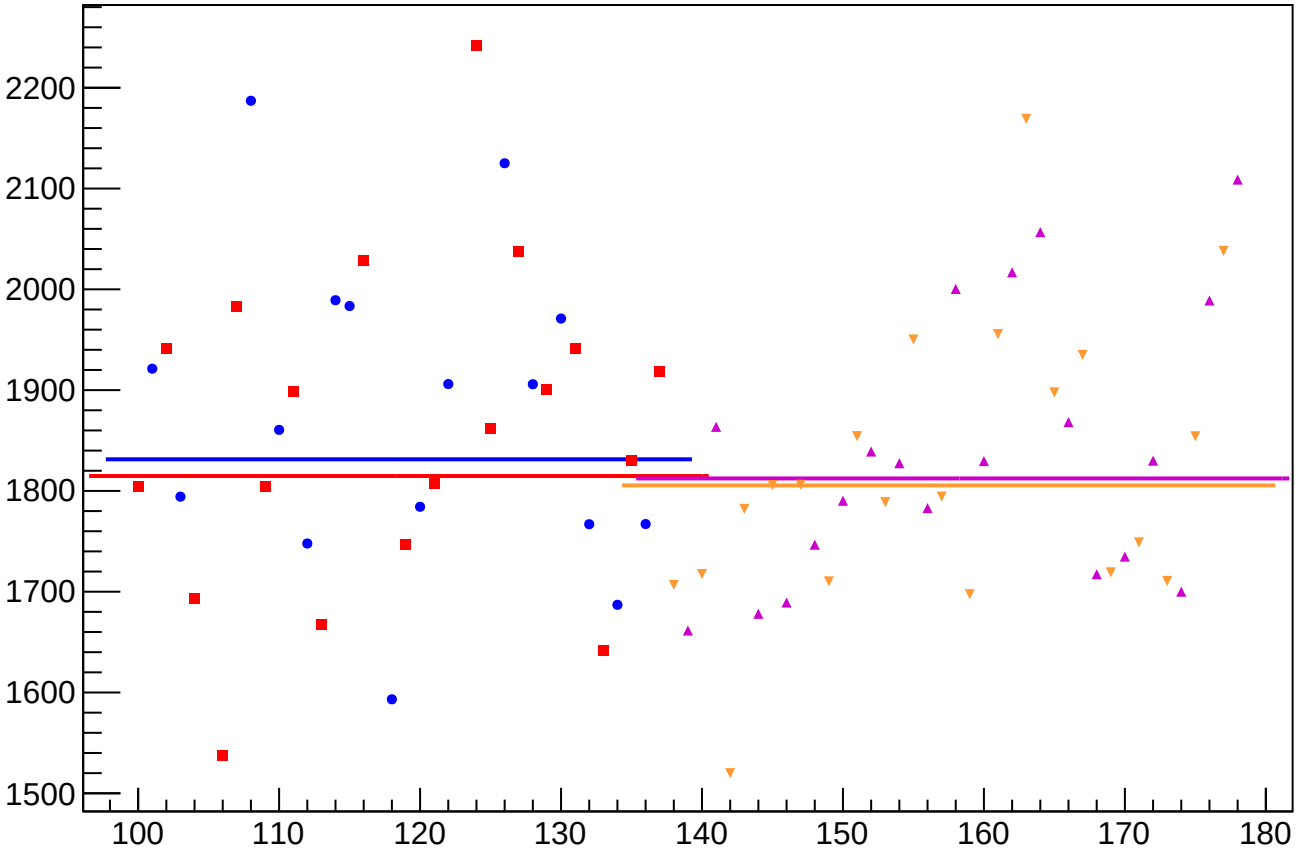
Left In: -4.109+/-0.451 χ^2/NDF:439.1/19

+ sign 12.578+/-0.372 χ^2/NDF: 327.2/36

All: 5.574+/-0.263 χ^2/NDF: 1700.3/75

- sign -1.468+/-0.373 χ^2/NDF: 662.4/38

diff_bpm0i01aY_rms vs Slug



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1805.459+/-0.314 χ^2/NDF:163278.7/20

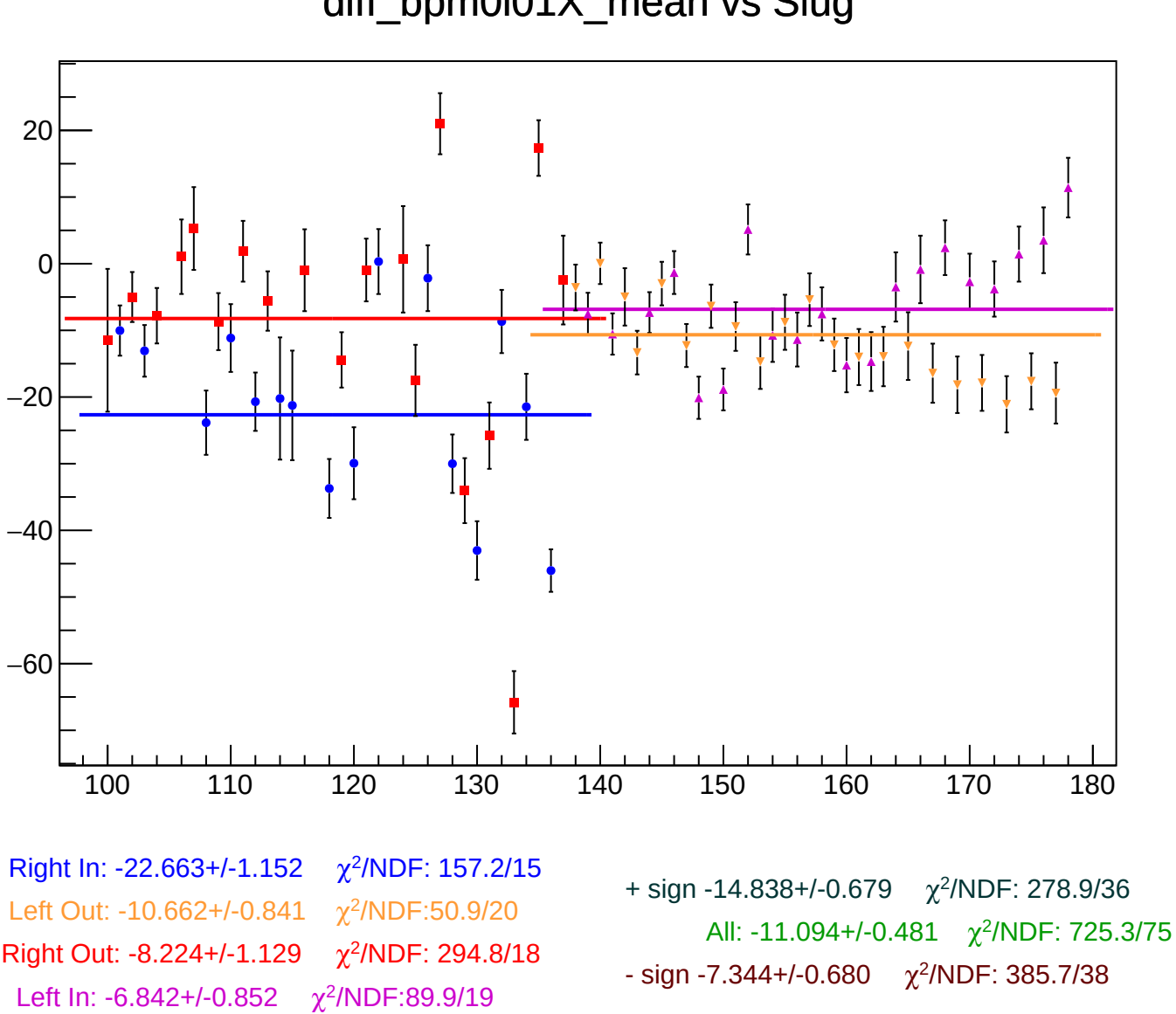
Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

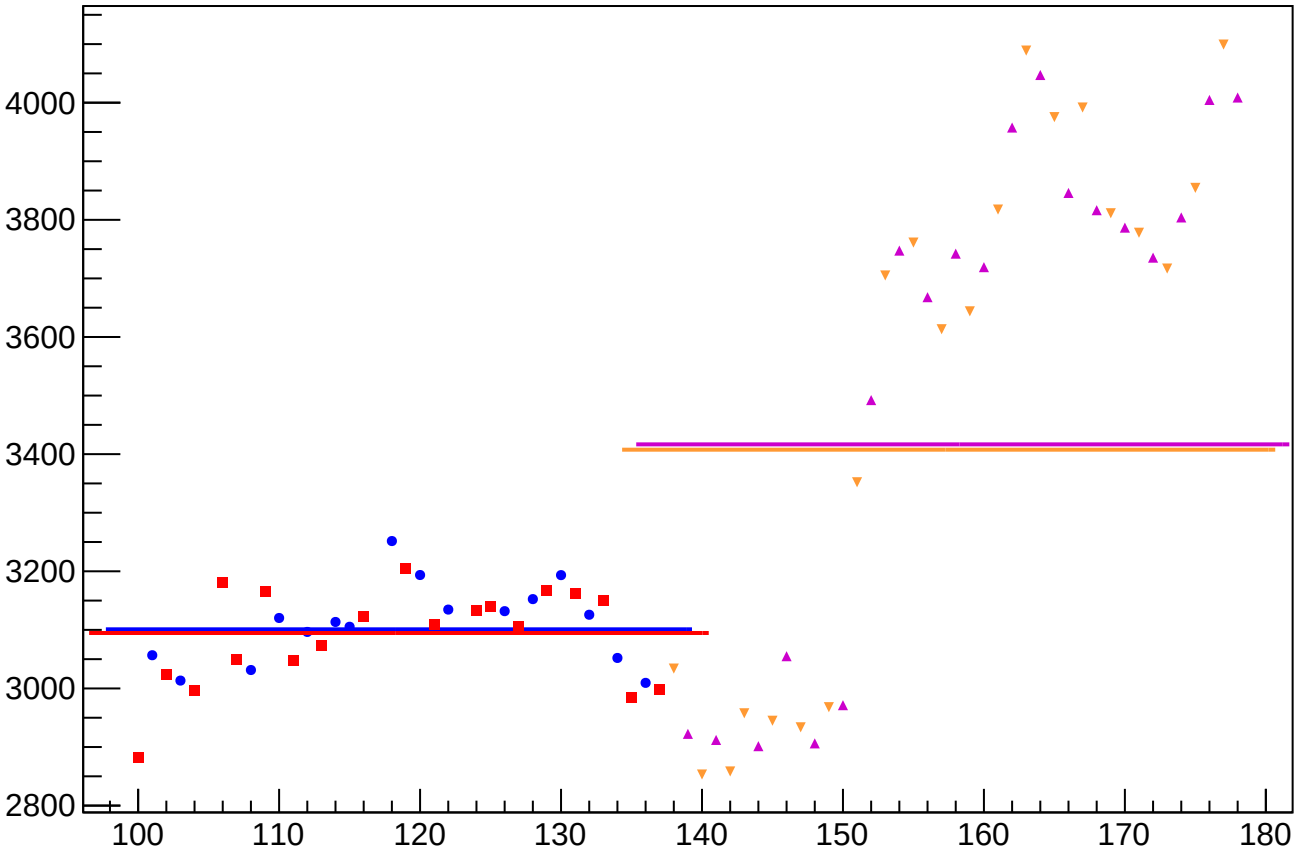
Left In: 1812.369+/-0.319 χ^2/NDF:148071.3/19

+ sign 1813.133+/-0.263 χ^2/NDF: 252218.4/36

All: 1813.129+/-0.186 χ^2/NDF: 491046.3/75

- sign 1813.125+/-0.264 χ^2/NDF: 238827.9/38


diff_bpm0l01X_mean vs Slug
20
0
−20
−40
−60
100
110
120
130
140
150
160
170
180
Right In: -22.663+/-1.152 χ²/NDF: 157.2/15
Left Out: -10.662+/-0.841 χ²/NDF:50.9/20
Right Out: -8.224+/-1.129 χ²/NDF: 294.8/18
Left In: -6.842+/-0.852 χ²/NDF:89.9/19
+ sign -14.838+/-0.679 χ²/NDF: 278.9/36
All: -11.094+/-0.481 χ²/NDF: 725.3/75
- sign -7.344+/-0.680 χ²/NDF: 385.7/38



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 3407.609+/-0.595 χ^2/NDF:554421.6/20

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

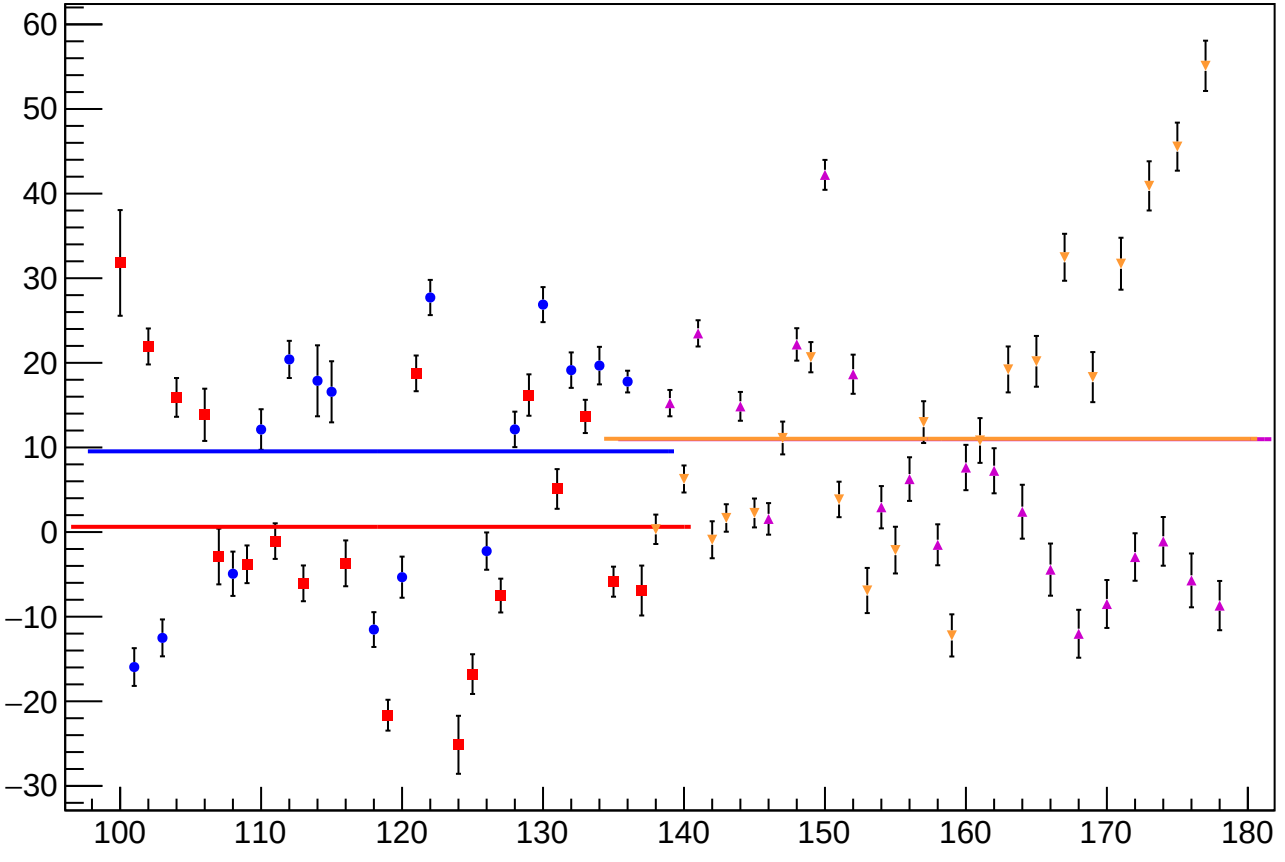
Left In: 3416.698+/-0.603 χ^2/NDF:523574.5/19

+ sign 3300.905+/-0.480 χ^2/NDF: 654742.0/36

All: 3300.357+/-0.340 χ^2/NDF: 1290577.3/75

- sign 3299.807+/-0.481 χ^2/NDF: 635832.7/38

diff_bpm0l01Y_mean vs Slug



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 11.025+/-0.491 χ^2/NDF:935.6/20

Right Out: 0.620+/-0.534 χ^2/NDF: 665.8/18

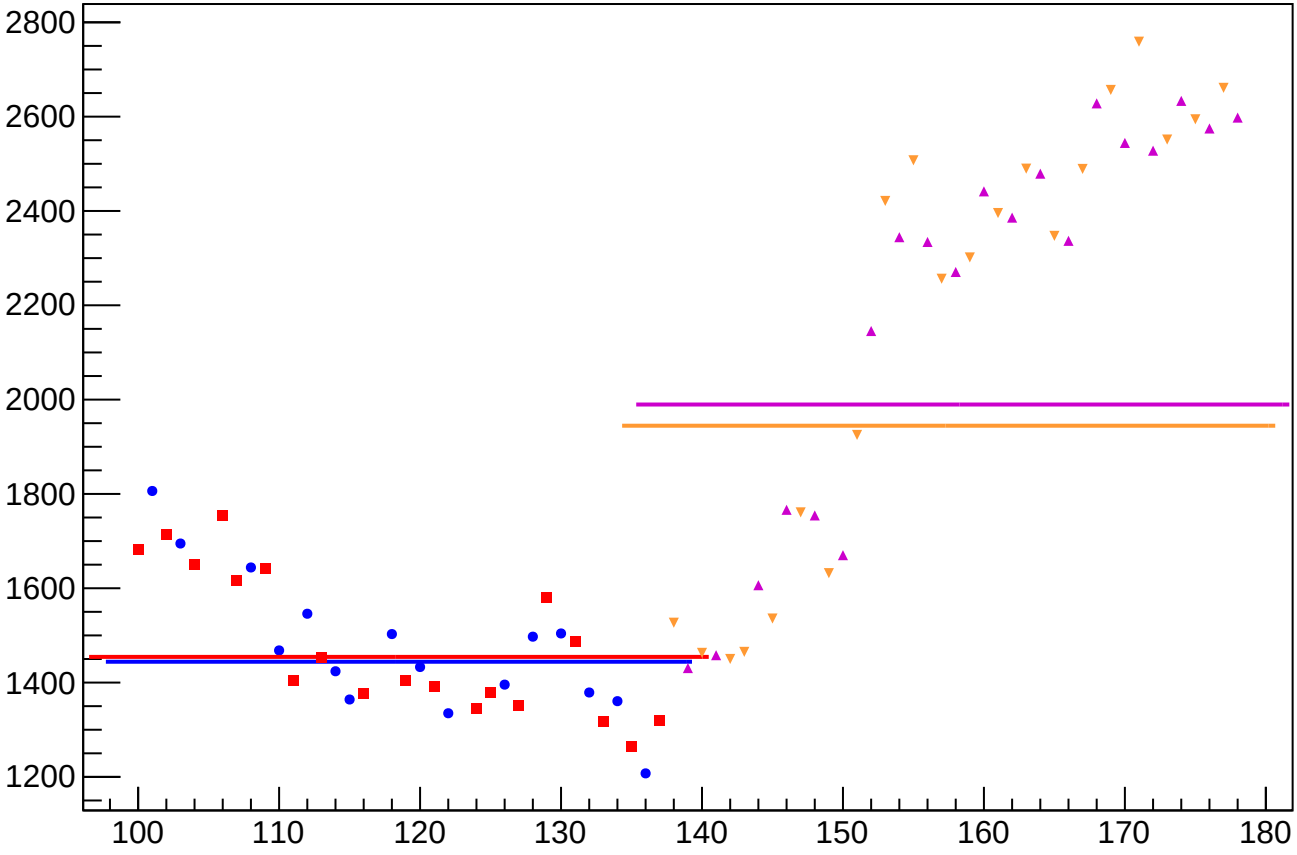
Left In: 10.975+/-0.505 χ^2/NDF:765.3/19

+ sign 10.356+/-0.364 χ^2/NDF: 1638.4/36

All: 8.241+/-0.258 χ^2/NDF: 3336.3/75

- sign 6.085+/-0.367 χ^2/NDF: 1629.5/38

diff_bpm0l01Y_rms vs Slug



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1944.645+/-0.347 χ^2/NDF:1804626.4/20

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

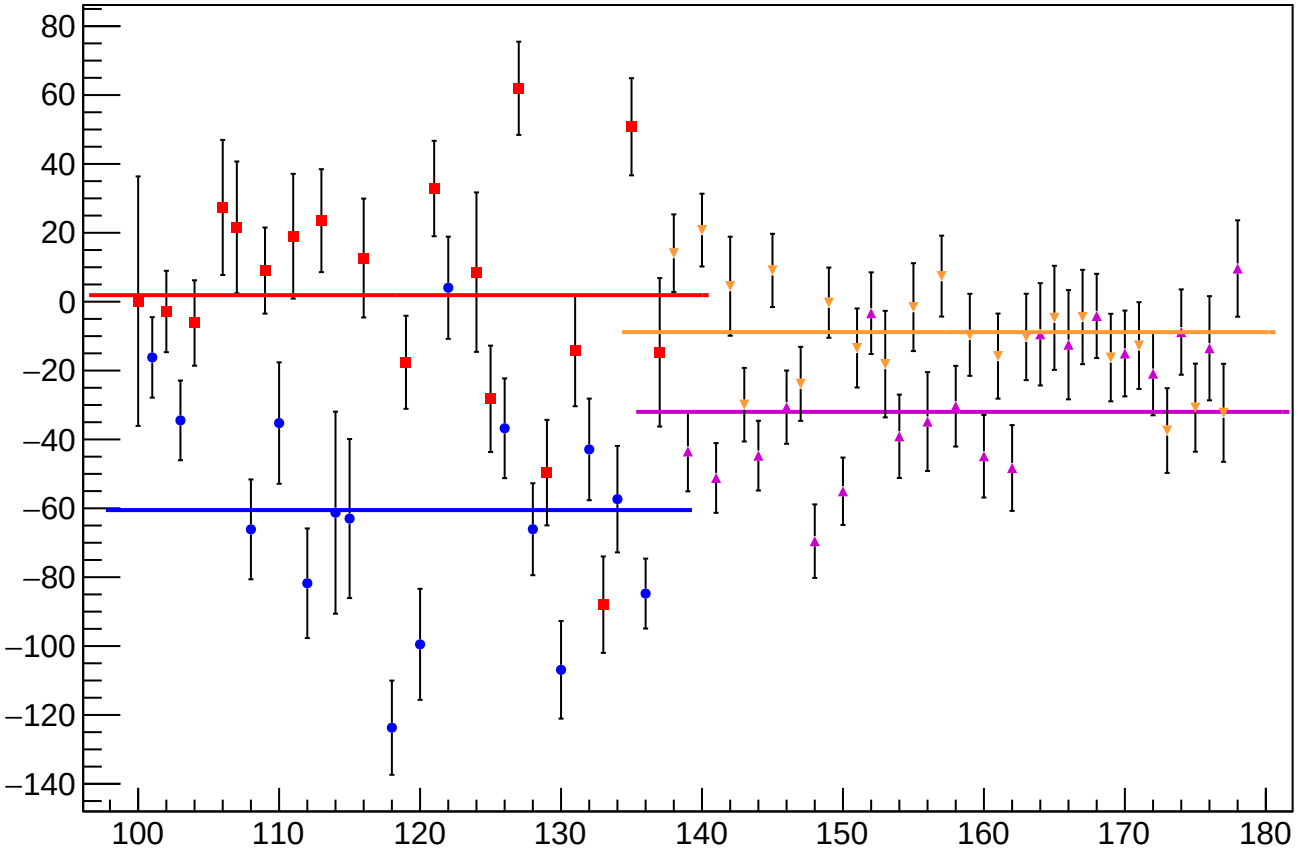
Left In: 1989.595+/-0.357 χ^2/NDF:1510704.6/19

+ sign 1718.938+/-0.257 χ^2/NDF: 2923321.3/36

All: 1727.839+/-0.183 χ^2/NDF: 5638849.5/75

- sign 1736.911+/-0.260 χ^2/NDF: 2713107.0/38

diff_bpm0l02X_mean vs Slug



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: -8.858+/-2.649 χ^2/NDF:37.0/20

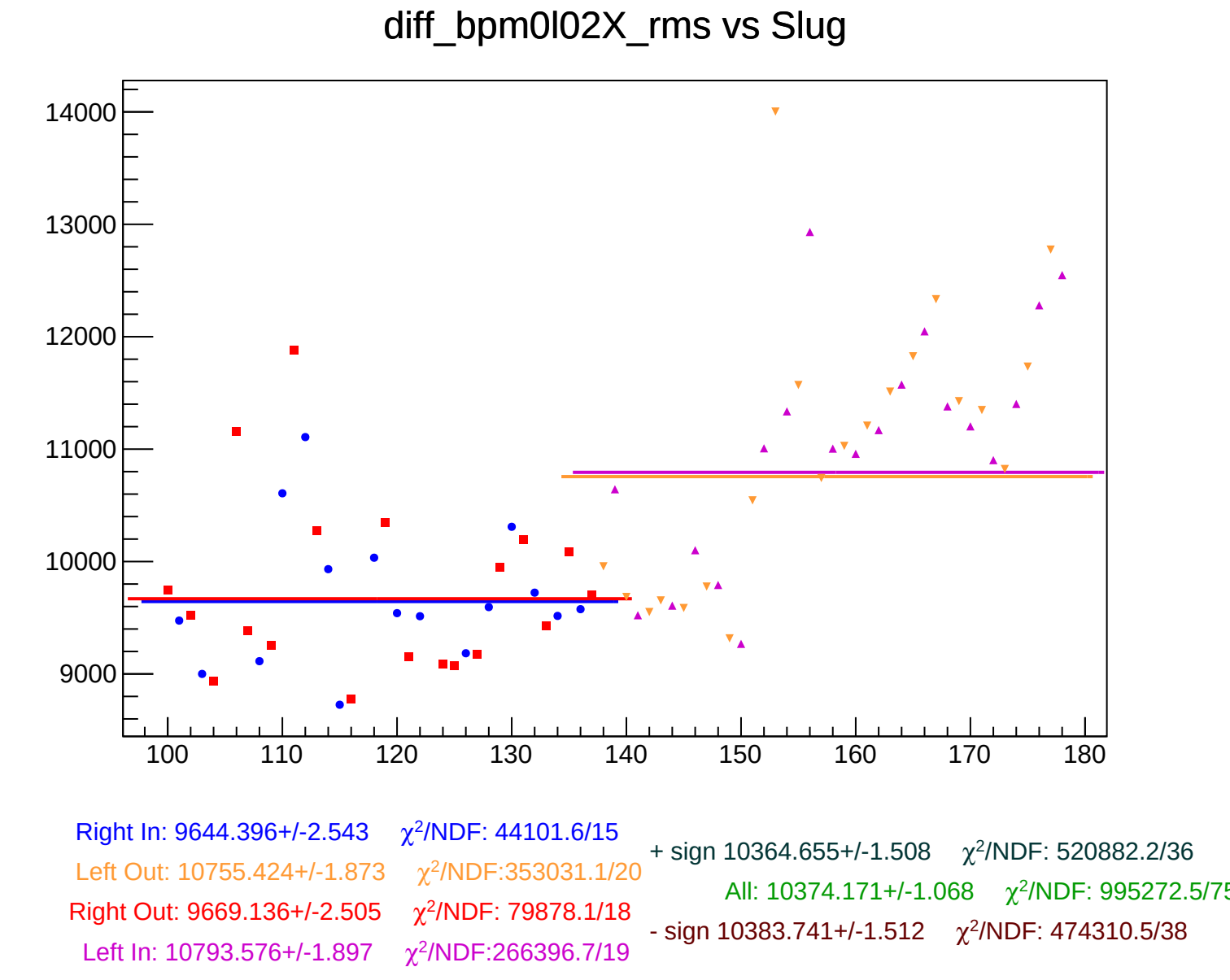
Right Out: 1.894+/-3.543 χ^2/NDF: 103.8/18

Left In: -31.995+/-2.683 χ^2/NDF:58.7/19

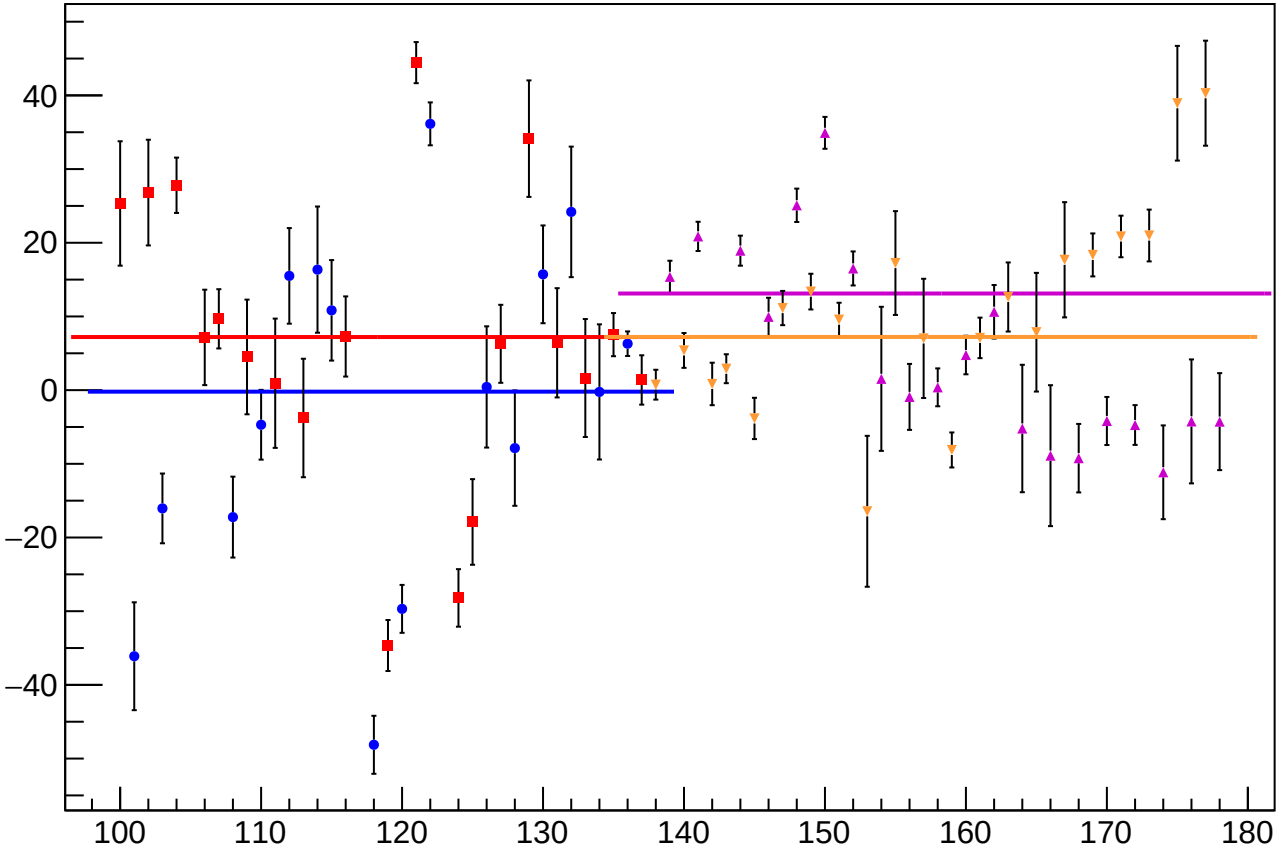
+ sign -27.027+/-2.133 χ^2/NDF: 261.1/36

All: -23.346+/-1.510 χ^2/NDF: 487.8/75

- sign -19.643+/-2.139 χ^2/NDF: 220.7/38


diff_bpm0l02X_rms vs Slug
14000
13000
12000
11000
10000
9000
100
110
120
130
140
150
160
170
180
Right In: 9644.396+/-2.543 χ²/NDF: 44101.6/15
Left Out: 10755.424+/-1.873 χ²/NDF:353031.1/20
Right Out: 9669.136+/-2.505 χ²/NDF: 79878.1/18
Left In: 10793.576+/-1.897 χ²/NDF:266396.7/19
+ sign 10364.655+/-1.508 χ²/NDF: 520882.2/36
All: 10374.171+/-1.068 χ²/NDF: 995272.5/75
- sign 10383.741+/-1.512 χ²/NDF: 474310.5/38

diff_bpm0l02Y_mean vs Slug



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 7.218+/-0.664 χ^2/NDF:190.1/20

Right Out: 7.206+/-1.074 χ^2/NDF: 485.6/18

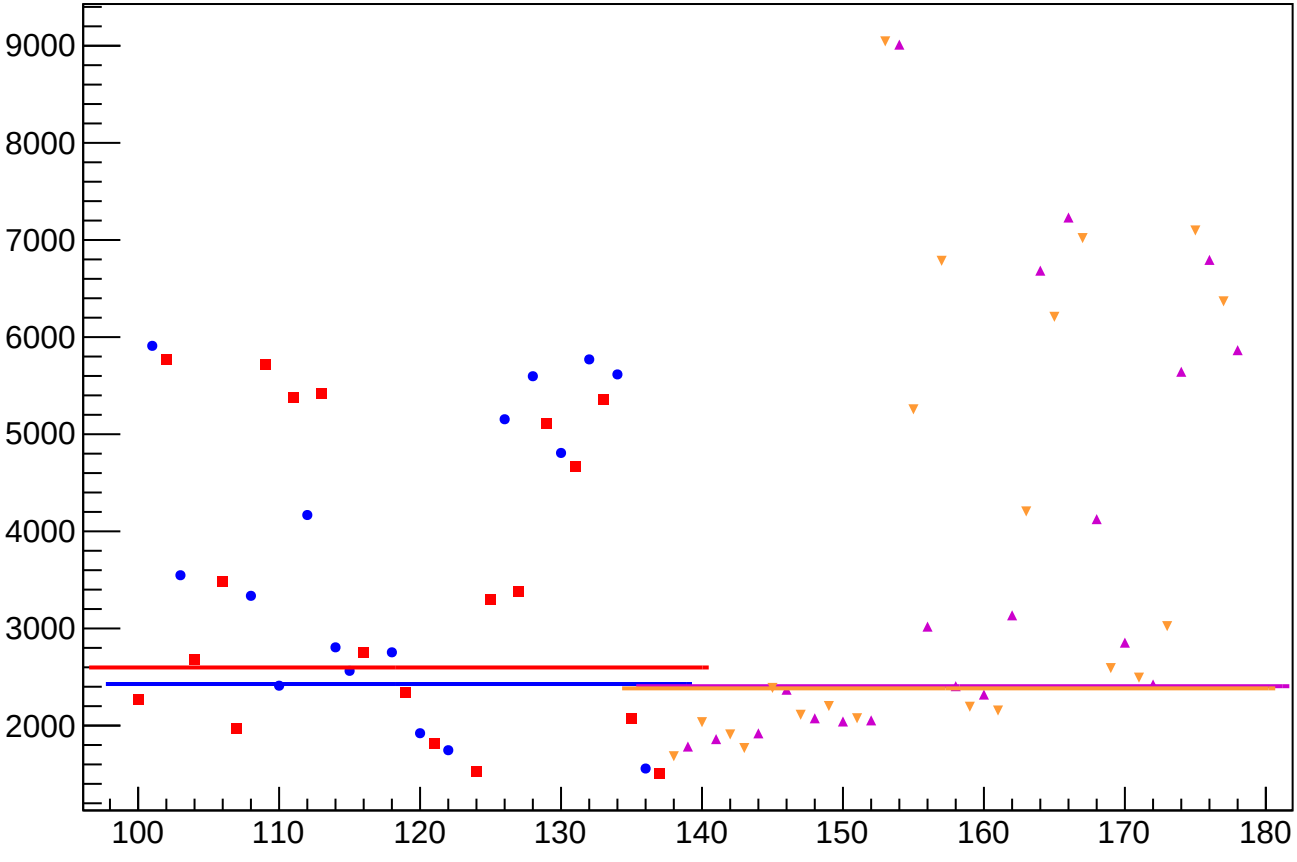
Left In: 13.114+/-0.667 χ^2/NDF:334.5/19

+ sign 5.084+/-0.560 χ^2/NDF: 699.7/36

All: 8.241+/-0.398 χ^2/NDF: 1605.9/75

- sign 11.468+/-0.567 χ^2/NDF: 842.0/38

diff_bpm0l02Y_rms vs Slug



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 2383.244+/-0.469 χ^2/NDF:5299579.3/20

Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

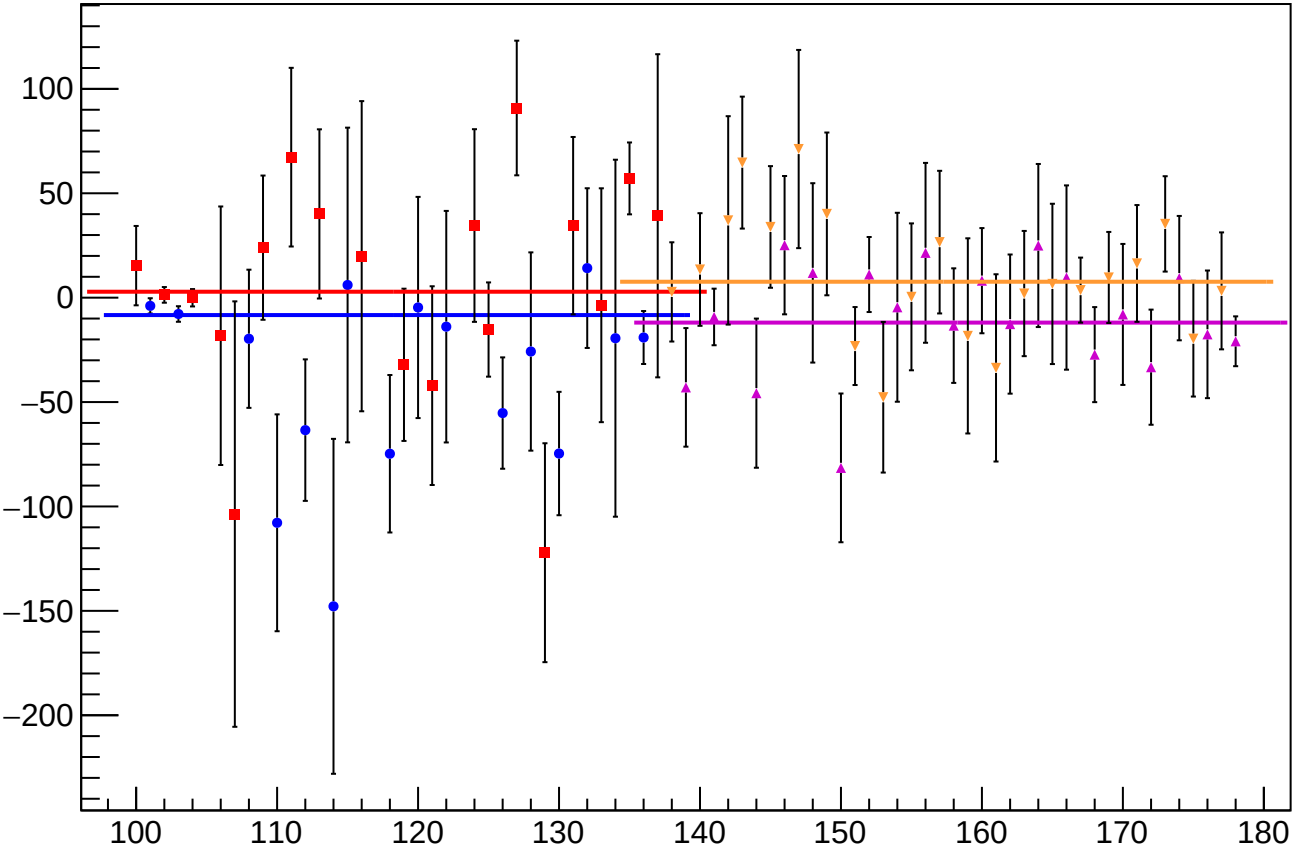
Left In: 2405.466+/-0.472 χ^2/NDF:4531551.6/19

+ sign 2396.132+/-0.396 χ^2/NDF: 8117536.1/36

All: 2427.314+/-0.282 χ^2/NDF: 15223096.5/7

- sign 2459.193+/-0.401 χ^2/NDF: 7093039.9/38

diff_bpm0l03X_mean vs Slug



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 7.633+/-6.100 χ^2/NDF:16.2/20

Right Out: 2.848+/-2.640 χ^2/NDF: 32.6/18

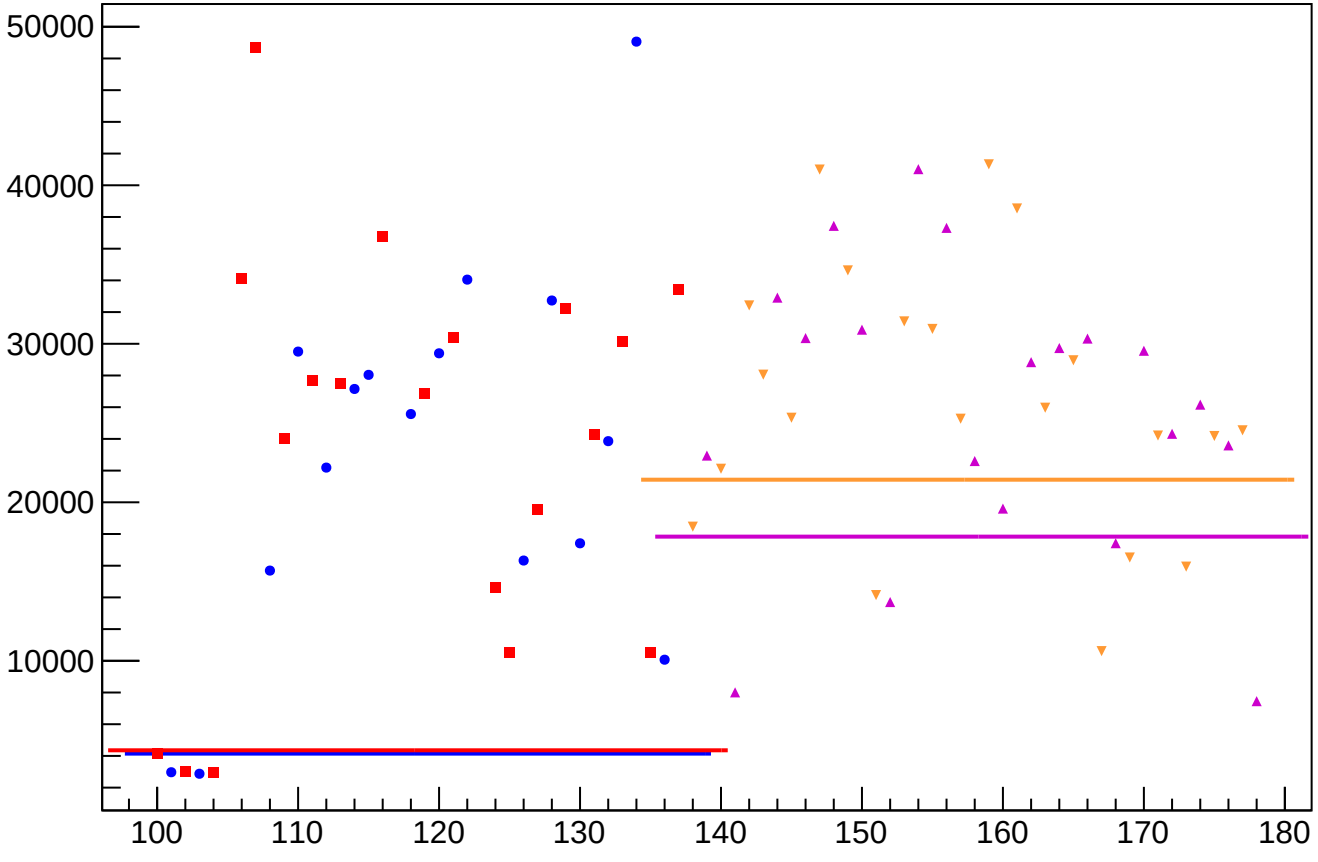
Left In: -11.942+/-5.577 χ^2/NDF:13.7/19

+ sign -6.038+/-2.313 χ^2/NDF: 45.5/36

All: -3.044+/-1.661 χ^2/NDF: 101.1/75

- sign 0.141+/-2.386 χ^2/NDF: 52.1/38

diff_bpm0l03X_rms vs Slug



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 21426.032+/-4.314 χ^2/NDF:3473381.9/20

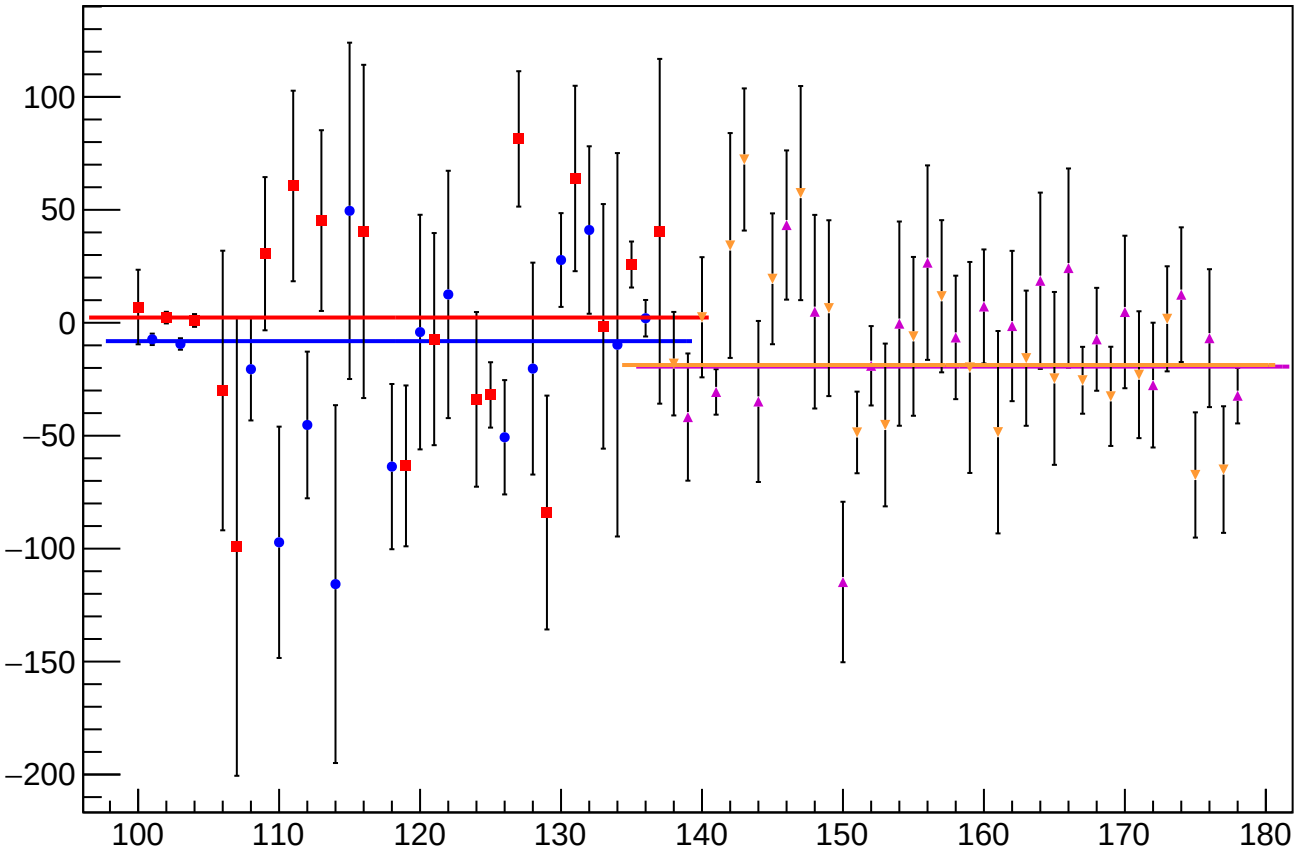
Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

Left In: 17834.177+/-3.944 χ^2/NDF:6210380.6/19

+ sign 6629.606+/-1.635 χ^2/NDF: 24051899.1/36

All: 6722.432+/-1.174 χ^2/NDF: 47438724.3/7

- sign 6821.216+/-1.687 χ^2/NDF: 23380174.7/38



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -18.705+/-6.016 χ^2/NDF:26.8/20

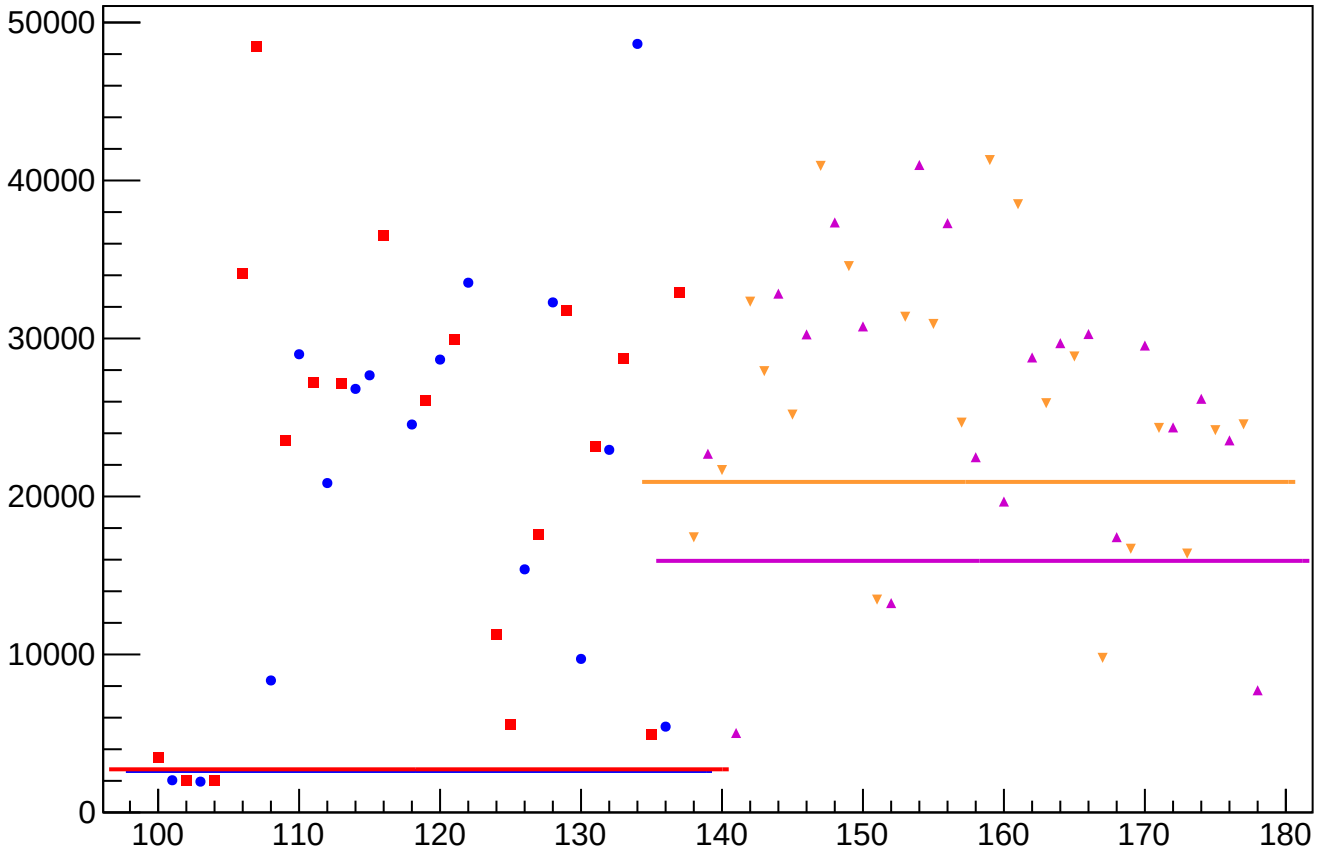
Right Out: 2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: -19.415+/-5.243 χ^2/NDF:21.4/19

+ sign -8.932+/-1.654 χ^2/NDF: 48.7/36

All: -4.650+/-1.192 χ^2/NDF: 132.4/75

- sign -0.017+/-1.721 χ^2/NDF: 69.8/38



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 20921.769+/-4.254 χ^2/NDF:3796020.9/20

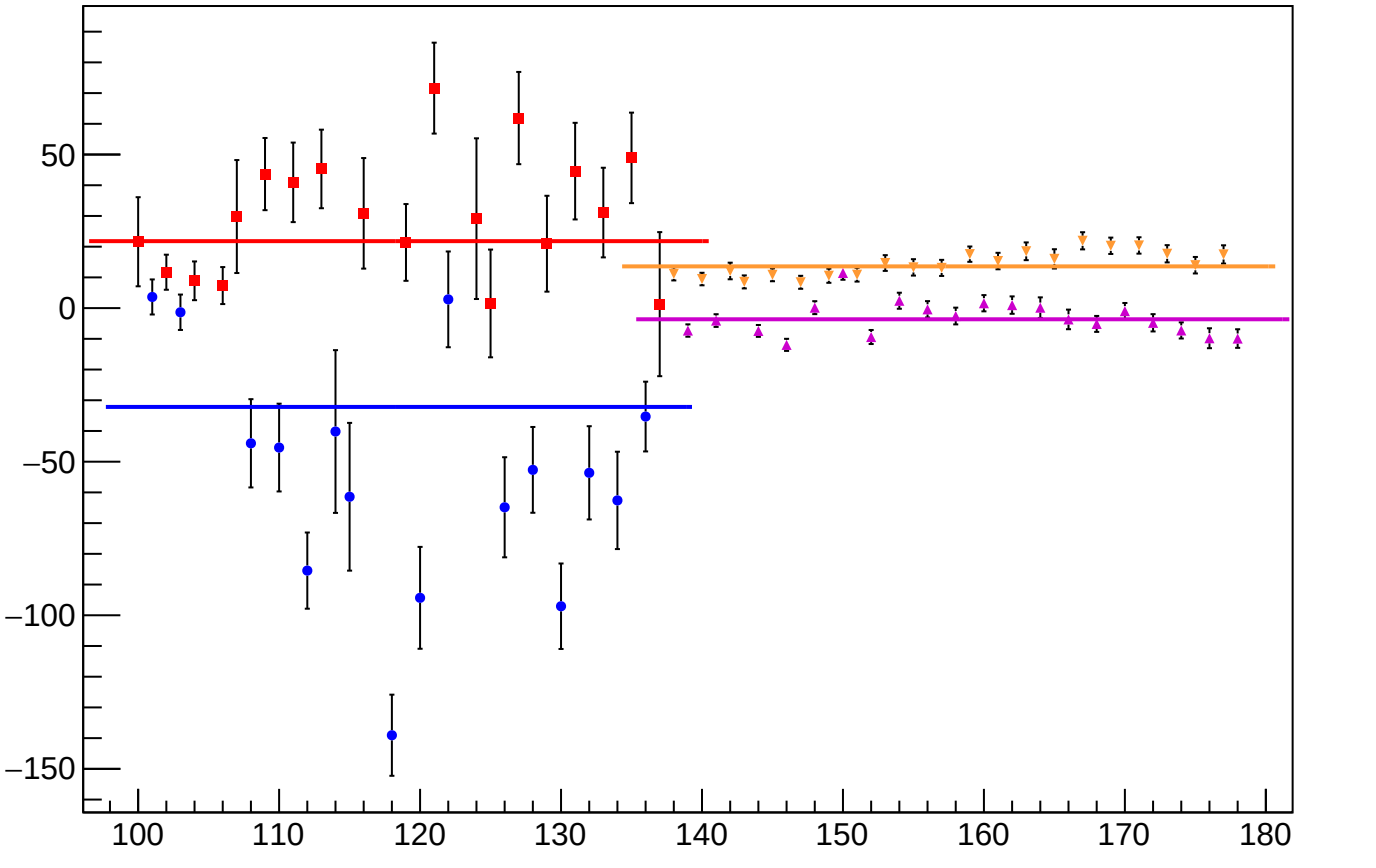
Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

Left In: 15924.509+/-3.707 χ^2/NDF:7983423.3/19

+ sign 4009.564+/-1.170 χ^2/NDF: 27676296.4/36

All: 4077.755+/-0.843 χ^2/NDF: 54955235.3/7

- sign 4151.555+/-1.217 χ^2/NDF: 27271861.0/38



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 13.585+/-0.542 χ^2/NDF:54.6/20

Right Out: 21.801+/-2.557 χ^2/NDF: 49.1/18

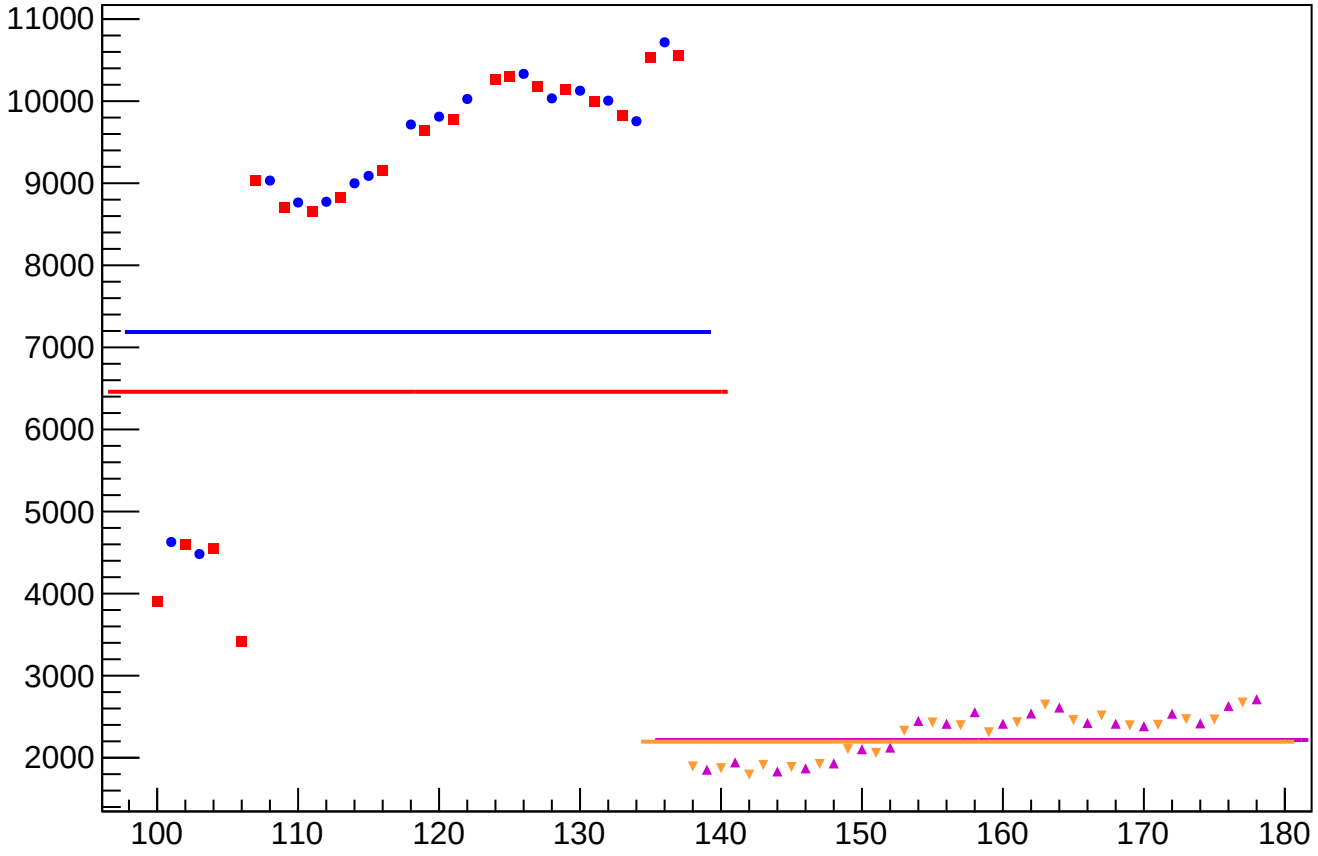
Left In: -3.637+/-0.553 χ^2/NDF:106.9/19

+ sign 11.978+/-0.532 χ^2/NDF: 512.5/36

All: 4.853+/-0.379 χ^2/NDF: 1126.8/75

- sign -2.499+/-0.541 χ^2/NDF: 250.5/38

diff_bpm0l04X_rms vs Slug



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 2195.838+/-0.383 χ^2/NDF:511007.7/20

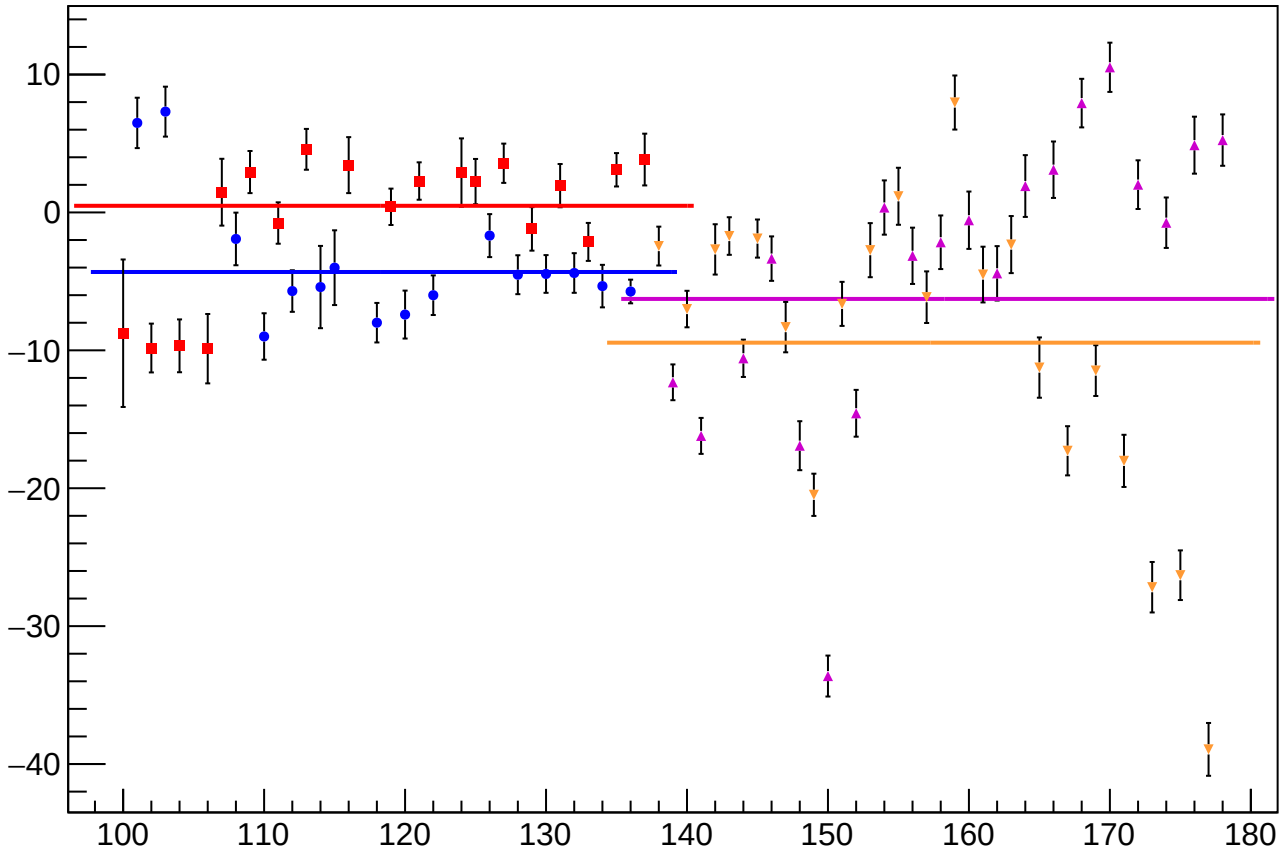
Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

Left In: 2216.312+/-0.391 χ^2/NDF:559545.3/19

+ sign 2371.100+/-0.377 χ^2/NDF: 8170941.1/36

All: 2388.329+/-0.268 χ^2/NDF: 16270421.7/7

- sign 2406.104+/-0.382 χ^2/NDF: 8095226.9/38



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -9.445+/-0.377 χ^2/NDF:757.6/20

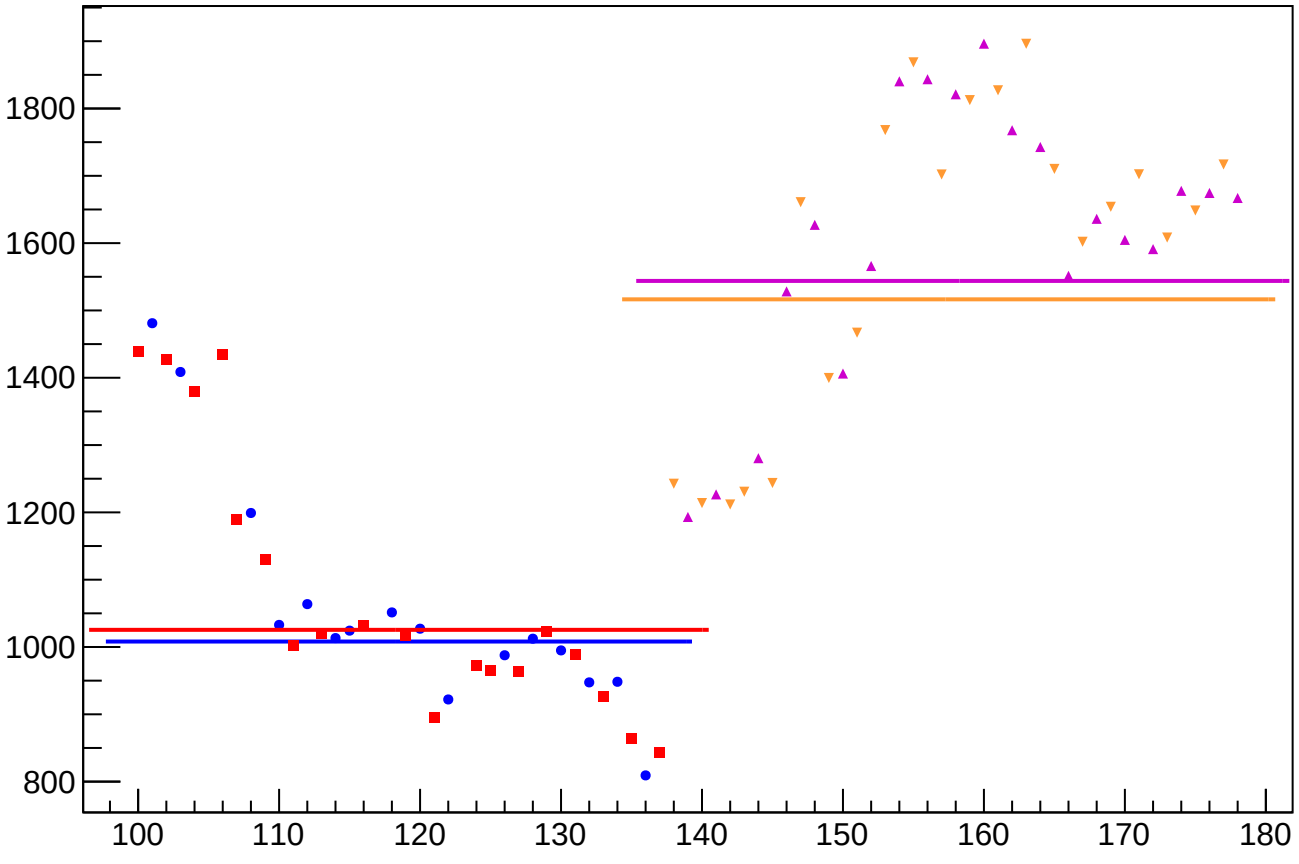
Right Out: 0.481+/-0.379 χ^2/NDF: 117.2/18

Left In: -6.273+/-0.386 χ^2/NDF:804.8/19

+ sign -6.903+/-0.267 χ^2/NDF: 953.1/36

All: -4.888+/-0.190 χ^2/NDF: 2145.7/75

- sign -2.827+/-0.270 χ^2/NDF: 1077.8/38



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1516.499+/-0.266 χ^2/NDF:787020.6/20

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

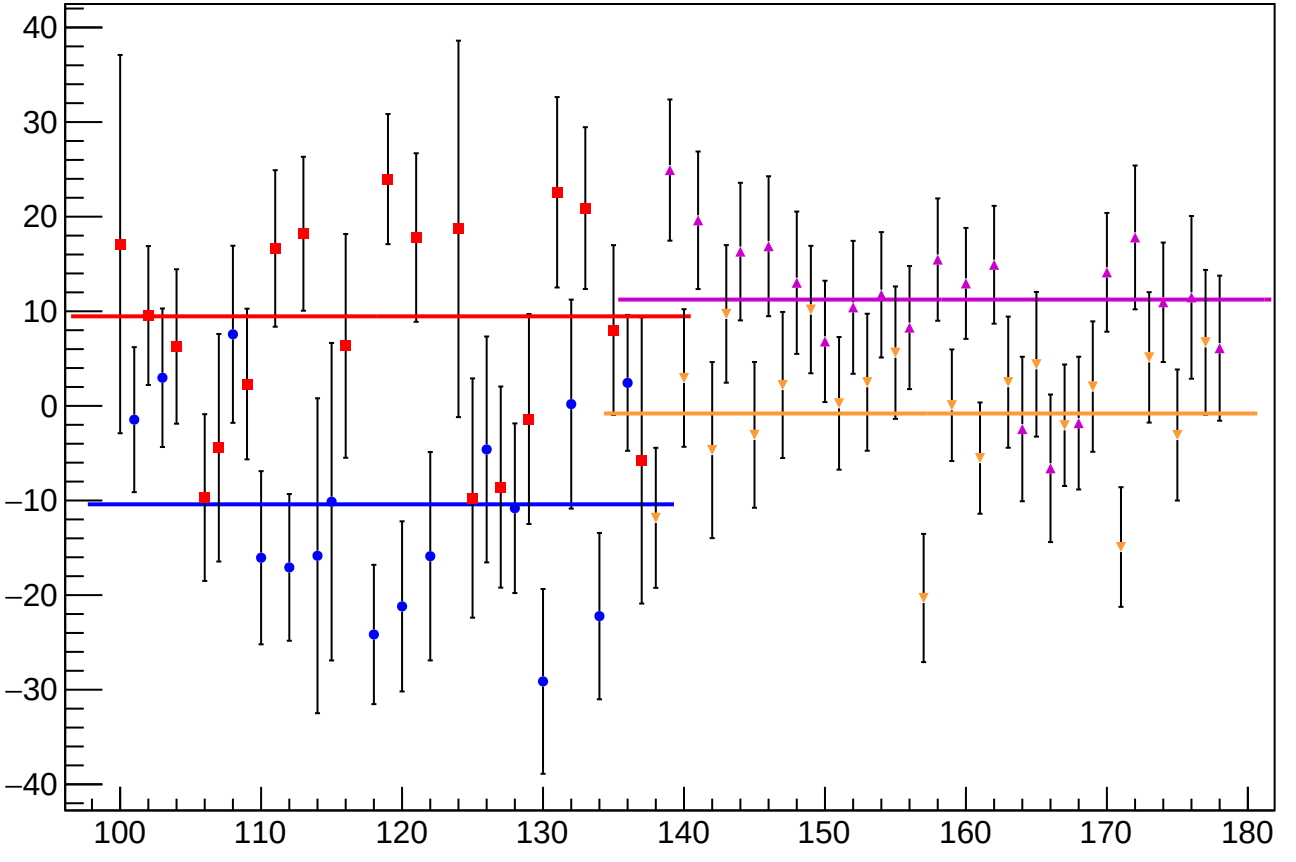
Left In: 1543.857+/-0.273 χ^2/NDF:627119.7/19

+ sign 1264.417+/-0.189 χ^2/NDF: 2973000.5/36

All: 1271.837+/-0.134 χ^2/NDF: 5785399.7/75

- sign 1279.427+/-0.191 χ^2/NDF: 2809283.9/38

diff_bpm0l05X_mean vs Slug



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: -0.805+/-1.525 χ^2/NDF:25.4/20

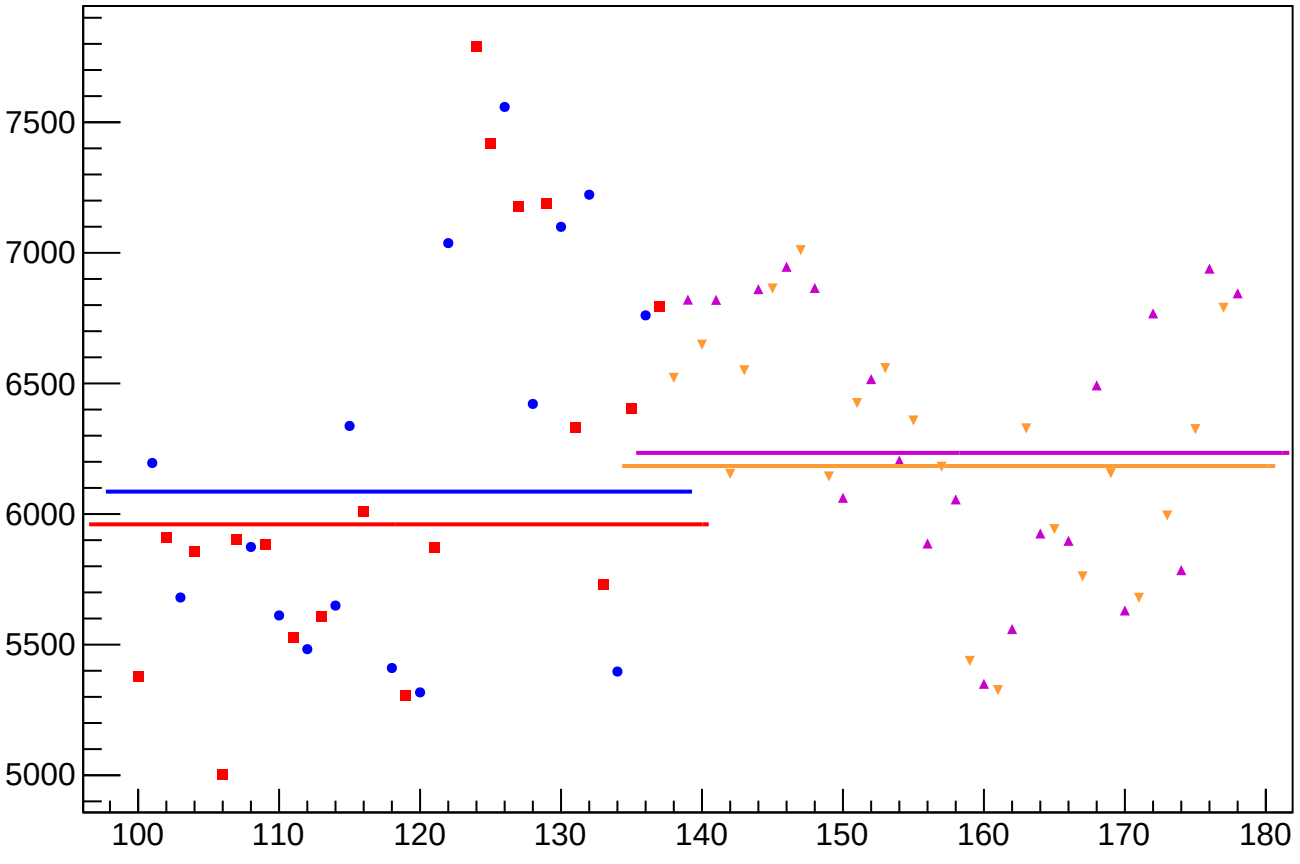
Right Out: 9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: 11.238+/-1.555 χ^2/NDF:20.7/19

+ sign -3.773+/-1.268 χ^2/NDF: 62.3/36

All: 3.435+/-0.897 χ^2/NDF: 173.4/75

- sign 10.645+/-1.268 χ^2/NDF: 46.5/38



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6183.793+/-1.079 χ^2/NDF:178681.8/20

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

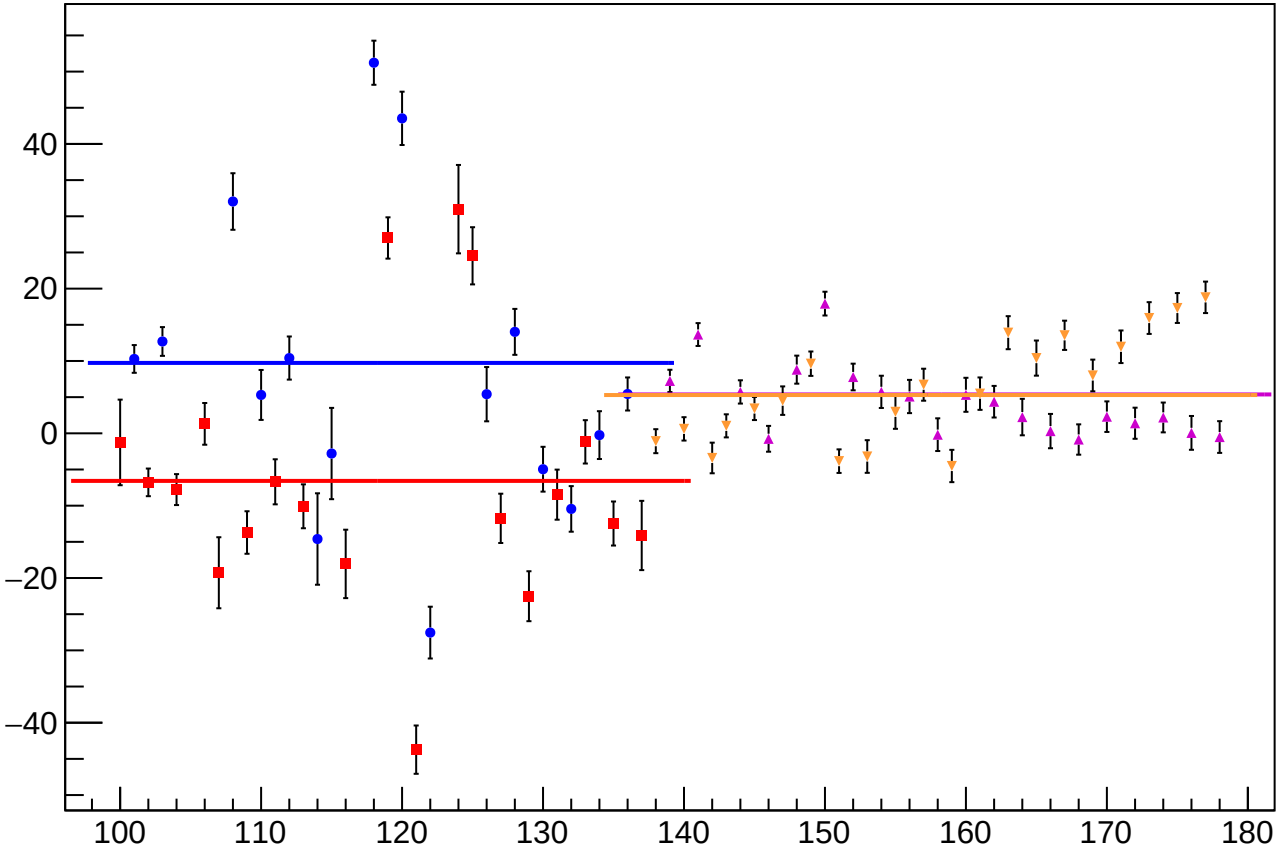
Left In: 6234.122+/-1.099 χ^2/NDF:227999.3/19

+ sign 6153.518+/-0.896 χ^2/NDF: 360349.0/36

All: 6148.018+/-0.634 χ^2/NDF: 771926.3/75

- sign 6142.518+/-0.897 χ^2/NDF: 411502.0/38

diff_bpm0l05Y_mean vs Slug



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: 5.292+/-0.431 χ^2/NDF:263.3/20

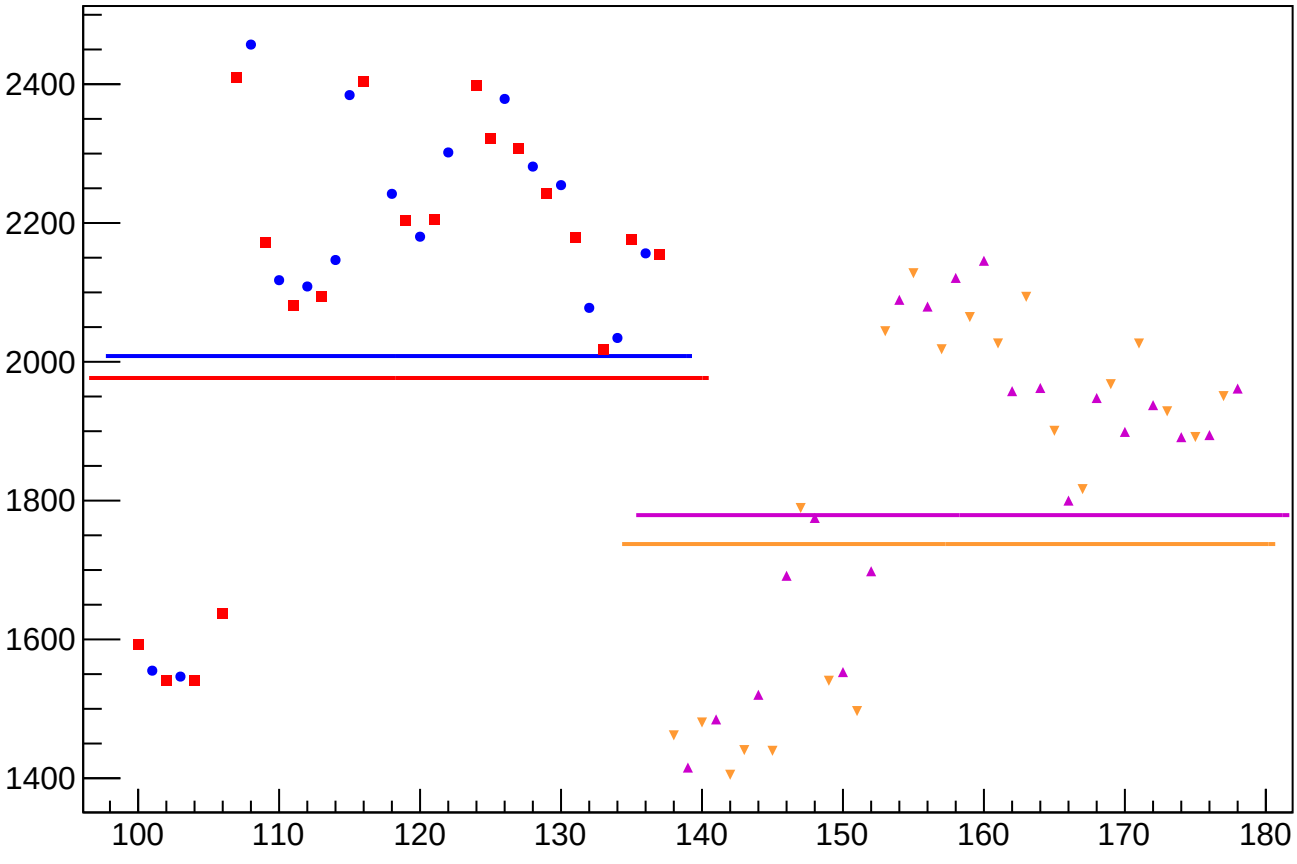
Right Out: -6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: 5.375+/-0.444 χ^2/NDF:145.6/19

+ sign 6.383+/-0.374 χ^2/NDF: 801.7/36

All: 4.295+/-0.267 χ^2/NDF: 1629.7/75

- sign 2.144+/-0.380 χ^2/NDF: 764.7/38



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1737.426+/-0.305 χ^2/NDF:728318.1/20

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

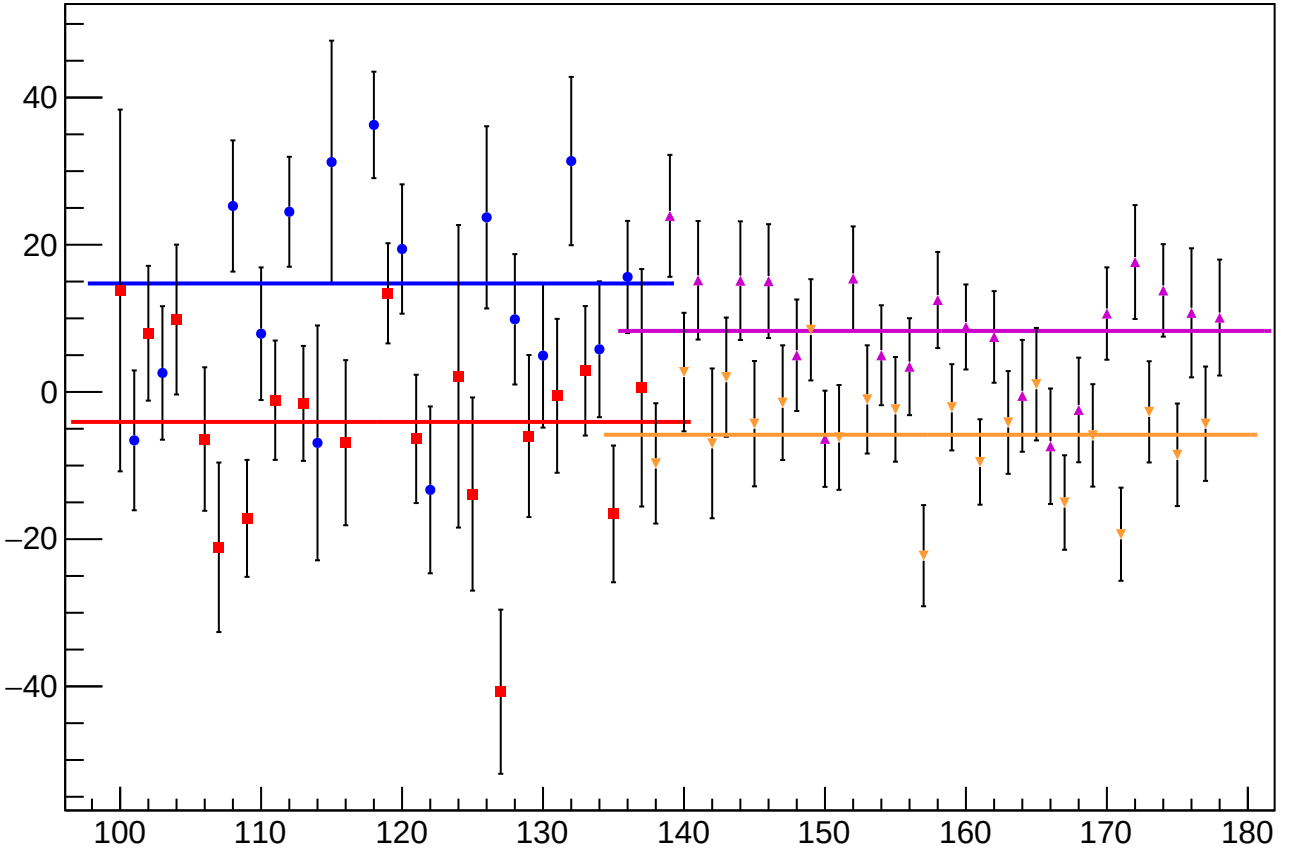
Left In: 1779.092+/-0.314 χ^2/NDF:525769.3/19

+ sign 1803.964+/-0.265 χ^2/NDF: 1266936.9/36

All: 1818.022+/-0.188 χ^2/NDF: 2270630.2/75

- sign 1832.499+/-0.268 χ^2/NDF: 997962.6/38

diff_bpm0l06X_mean vs Slug



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -5.816+/-1.561 χ^2/NDF:22.0/20

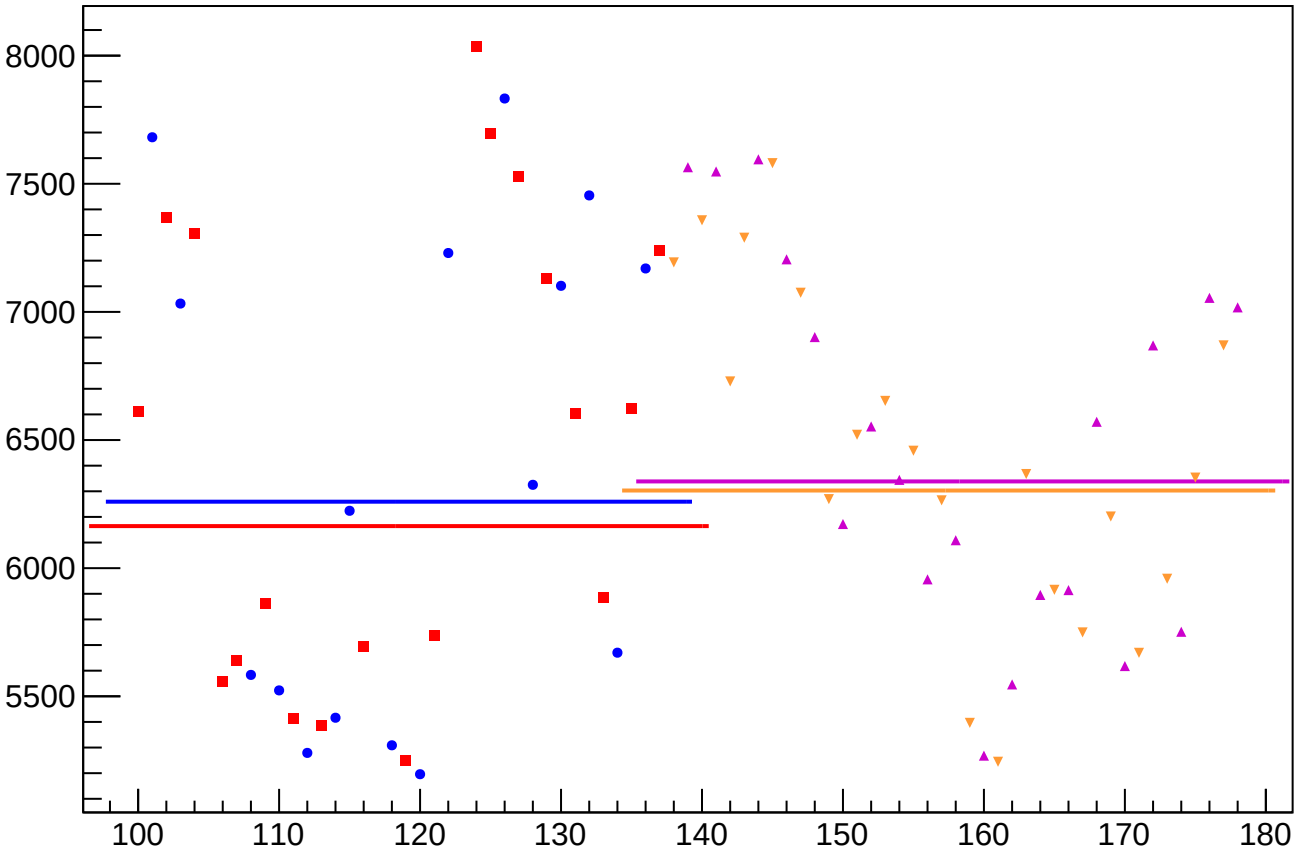
Right Out: -4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: 8.293+/-1.587 χ^2/NDF:23.4/19

+ sign 0.446+/-1.301 χ^2/NDF: 108.4/36

All: 2.344+/-0.920 χ^2/NDF: 186.0/75

- sign 4.242+/-1.302 χ^2/NDF: 73.4/38



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 6303.040+/-1.103 χ^2/NDF:334211.3/20

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

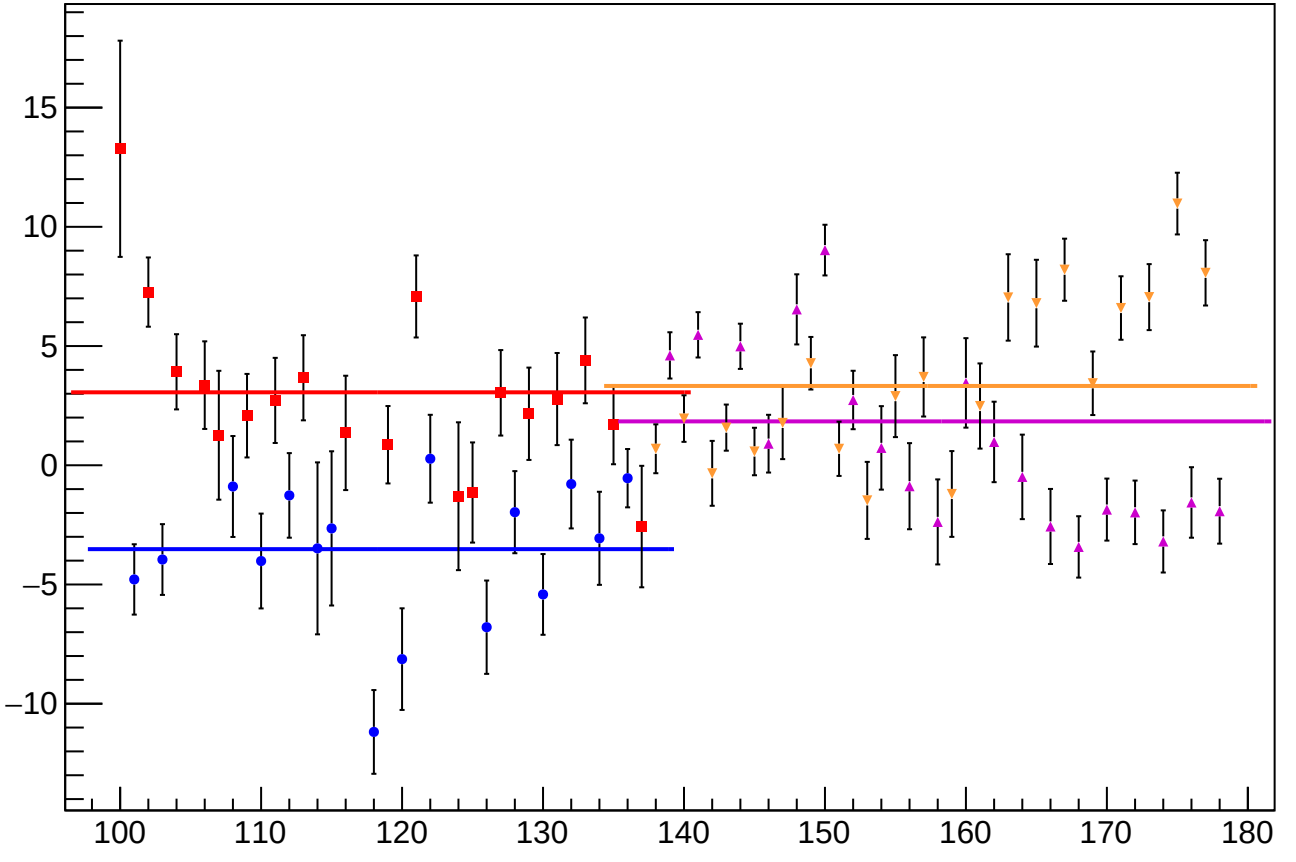
Left In: 6338.480+/-1.122 χ^2/NDF:383363.8/19

+ sign 6289.750+/-0.920 χ^2/NDF: 643294.2/36

All: 6285.555+/-0.651 χ^2/NDF: 1299663.8/75

- sign 6281.358+/-0.920 χ^2/NDF: 656328.0/38

diff_bpm0l06Y_mean vs Slug



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 3.326+/-0.285 χ^2/NDF:131.5/20

Right Out: 3.059+/-0.438 χ^2/NDF: 34.8/18

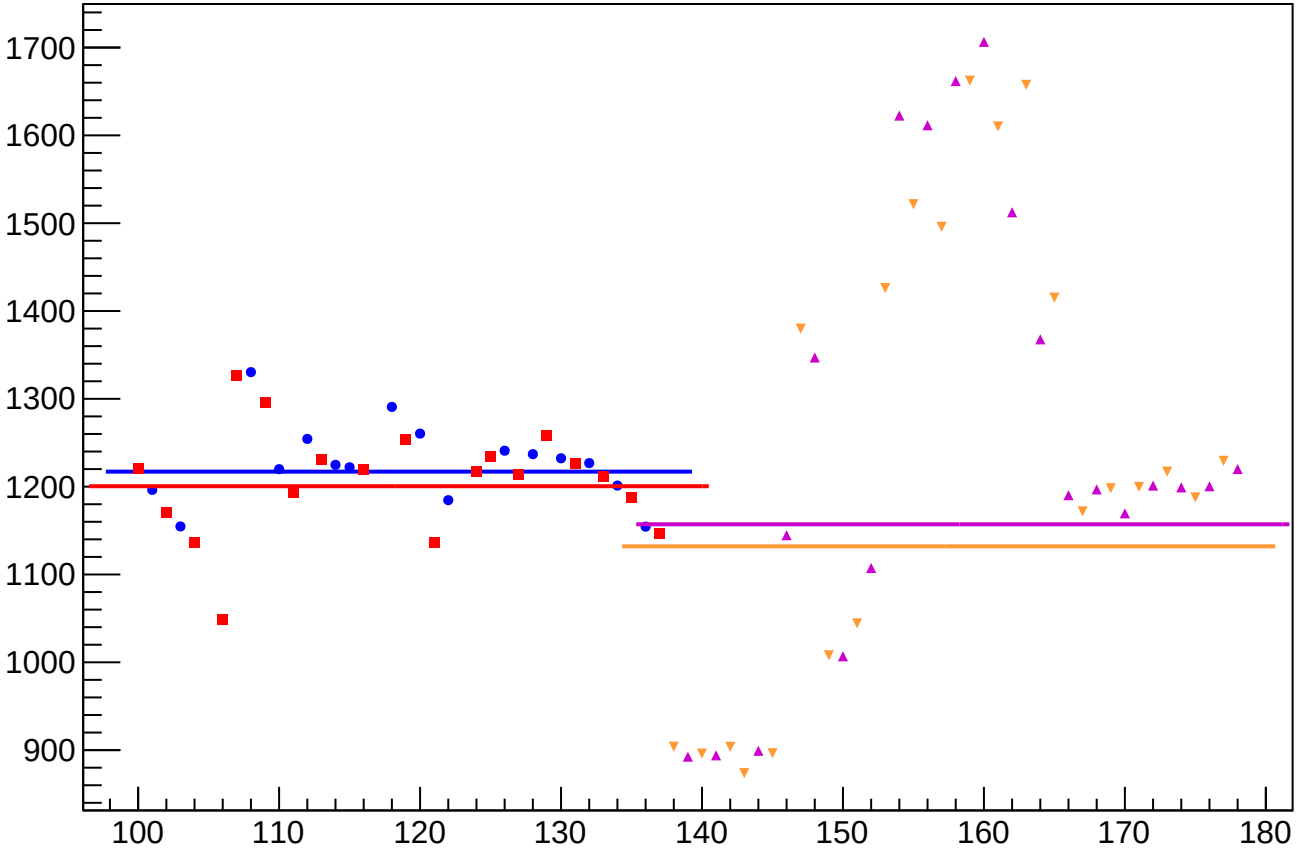
Left In: 1.840+/-0.293 χ^2/NDF:170.5/19

+ sign 1.384+/-0.241 χ^2/NDF: 340.4/36

All: 1.796+/-0.171 χ^2/NDF: 557.0/75

- sign 2.217+/-0.244 χ^2/NDF: 210.6/38

diff_bpm0l06Y_rms vs Slug



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 1132.045+/-0.201 χ^2/NDF:1449773.3/20

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

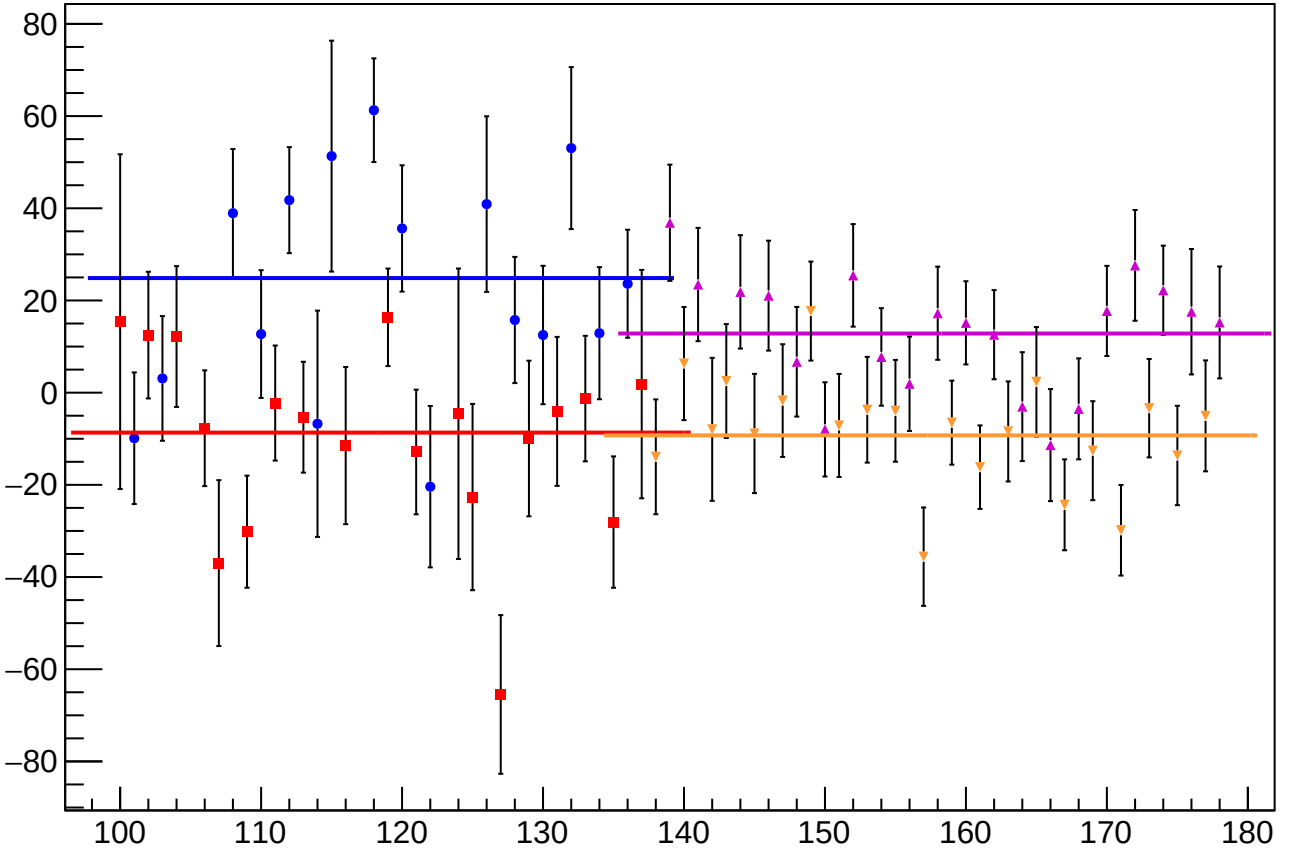
Left In: 1157.139+/-0.207 χ^2/NDF:1256452.0/19

+ sign 1156.179+/-0.170 χ^2/NDF: 1522084.3/36

All: 1163.281+/-0.121 χ^2/NDF: 2833221.1/75

- sign 1170.546+/-0.172 χ^2/NDF: 1307623.2/38

diff_bpm0l07X_mean vs Slug



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -9.261+/-2.418 χ^2/NDF:25.0/20

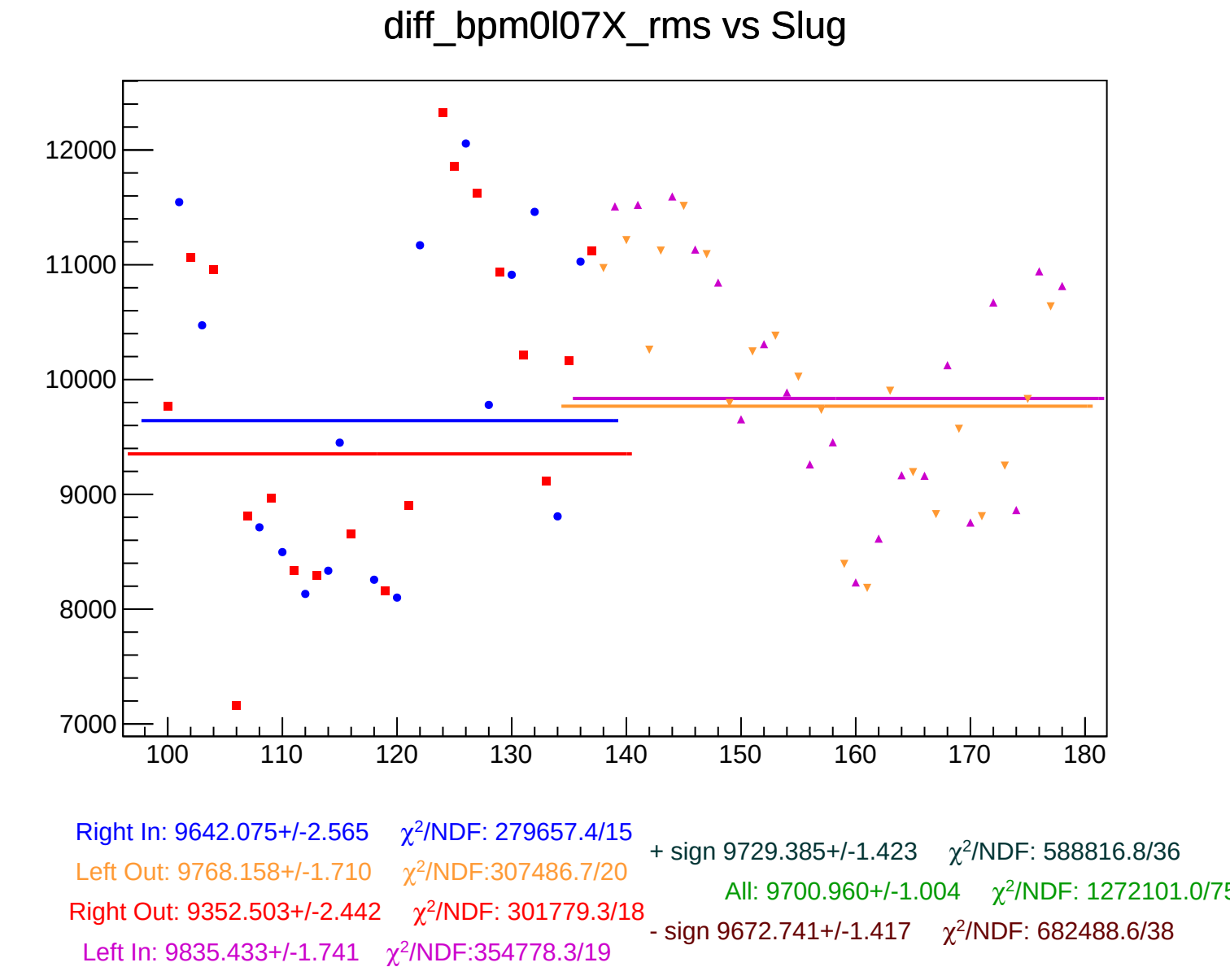
Right Out: -8.658+/-3.454 χ^2/NDF: 30.1/18

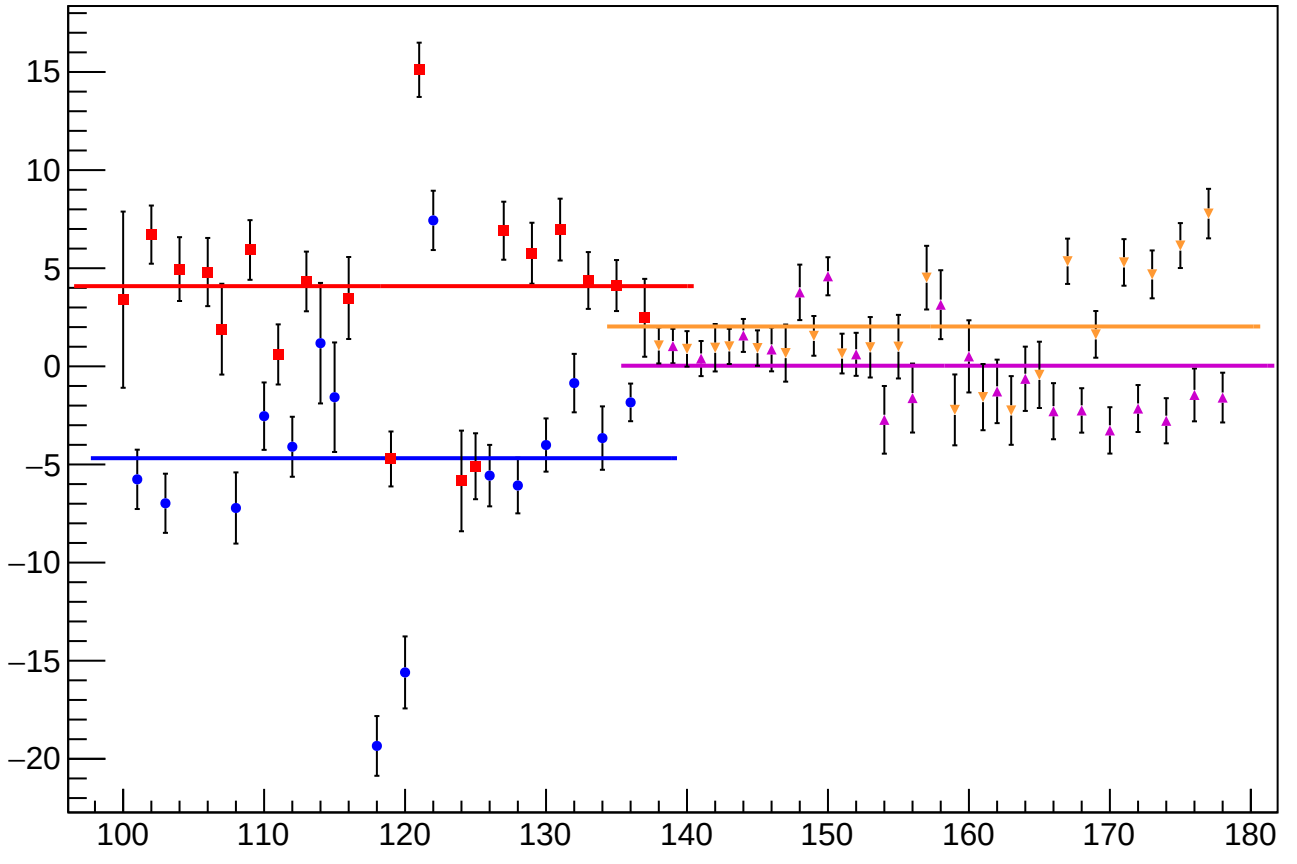
Left In: 12.830+/-2.462 χ^2/NDF:23.6/19

+ sign 1.232+/-2.012 χ^2/NDF: 124.4/36

All: 3.419+/-1.420 χ^2/NDF: 206.1/75

- sign 5.591+/-2.005 χ^2/NDF: 79.4/38


diff_bpm0l07X_rms vs Slug
12000
11000
10000
9000
8000
7000
100
110
120
130
140
150
160
170
180
Right In: 9642.075+/-2.565 χ²/NDF: 279657.4/15
Left Out: 9768.158+/-1.710 χ²/NDF:307486.7/20
Right Out: 9352.503+/-2.442 χ²/NDF: 301779.3/18
Left In: 9835.433+/-1.741 χ²/NDF:354778.3/19
+ sign 9729.385+/-1.423 χ²/NDF: 588816.8/36
All: 9700.960+/-1.004 χ²/NDF: 1272101.0/75
- sign 9672.741+/-1.417 χ²/NDF: 682488.6/38



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 2.031+/-0.260 χ^2/NDF:85.1/20

Right Out: 4.087+/-0.376 χ^2/NDF: 168.1/18

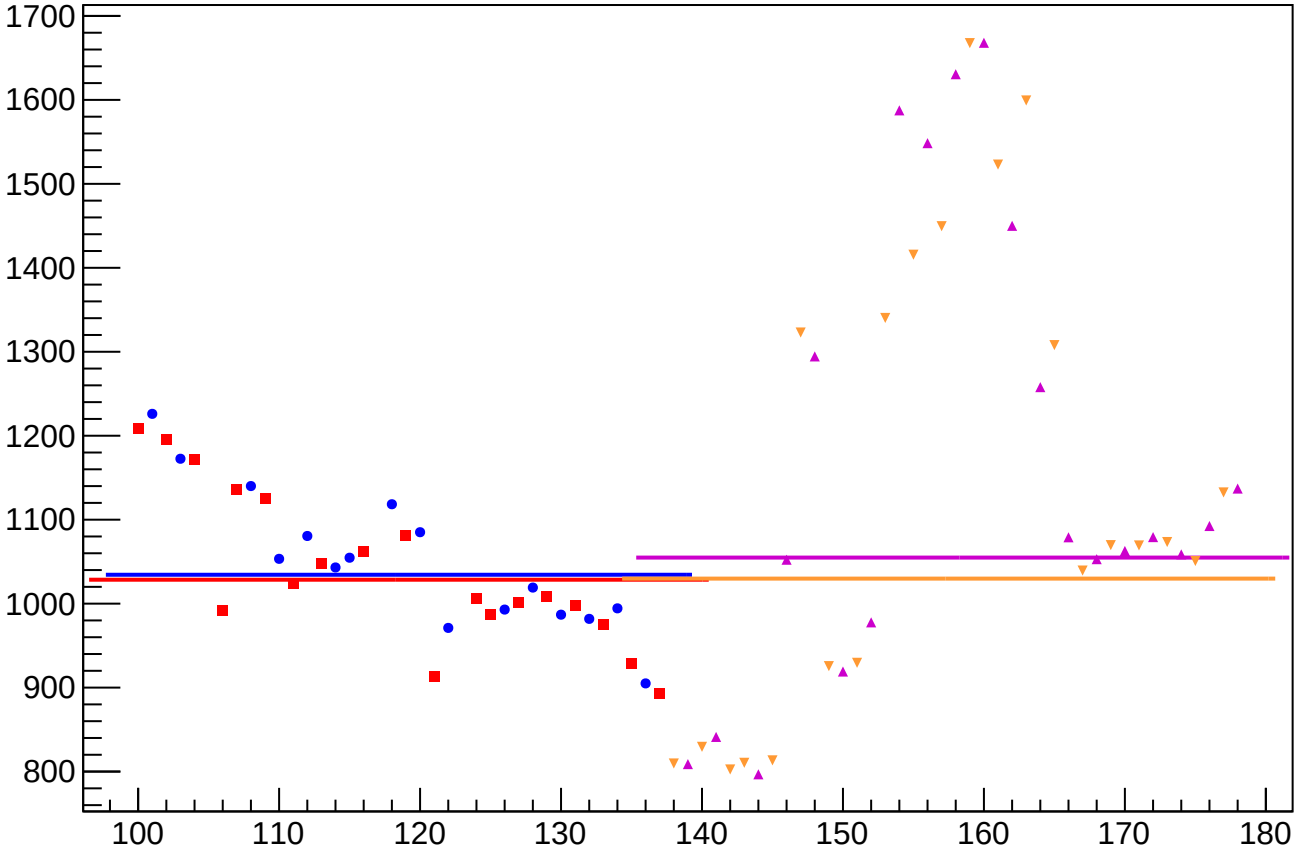
Left In: 0.032+/-0.269 χ^2/NDF:68.8/19

+ sign -0.070+/-0.216 χ^2/NDF: 514.2/36

All: 0.656+/-0.154 χ^2/NDF: 850.8/75

- sign 1.404+/-0.219 χ^2/NDF: 313.6/38

diff_bpm0l07Y_rms vs Slug



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 1029.818+/-0.184 χ^2/NDF:1676715.7/20

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

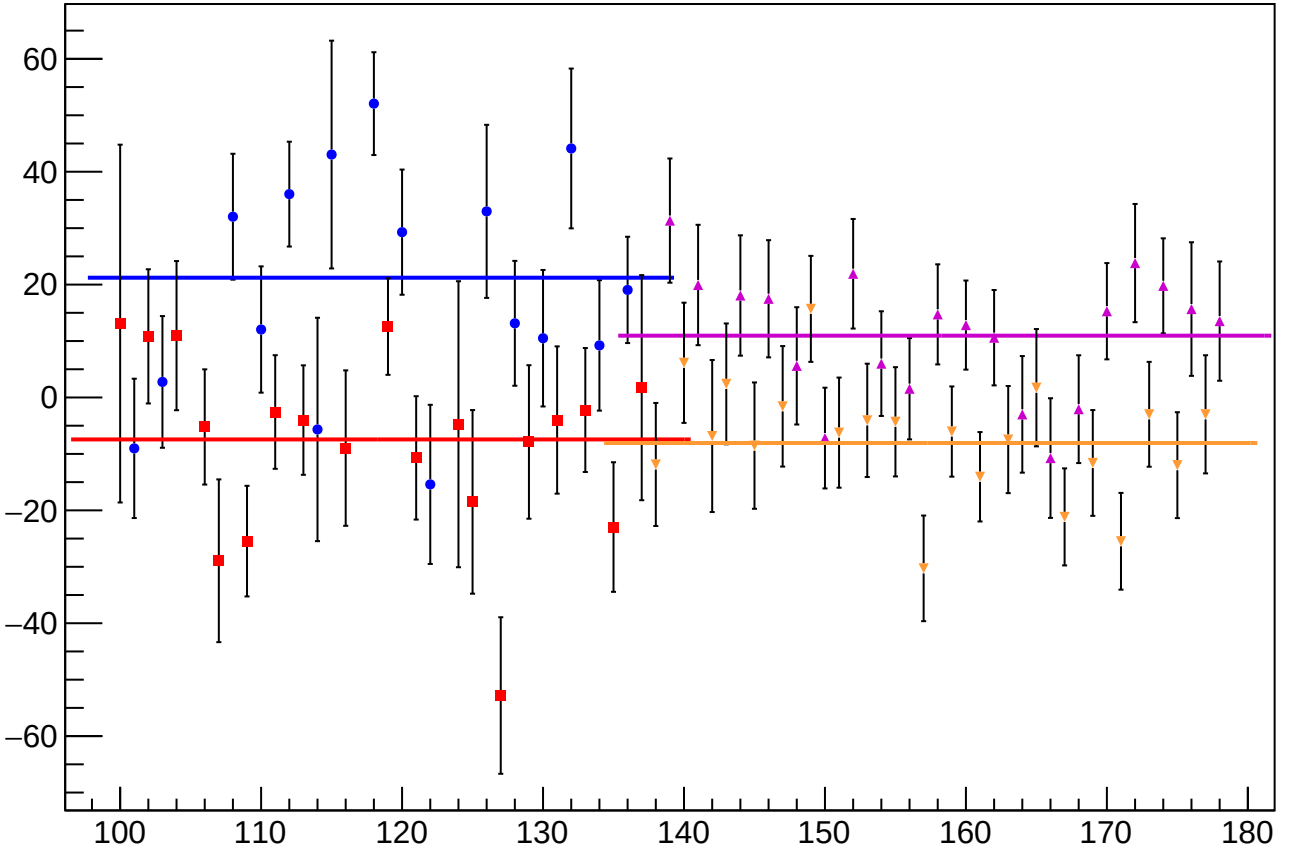
Left In: 1054.855+/-0.190 χ^2/NDF:1513669.1/19

+ sign 1031.254+/-0.153 χ^2/NDF: 1790188.3/36

All: 1038.494+/-0.109 χ^2/NDF: 3416533.8/75

- sign 1045.940+/-0.155 χ^2/NDF: 1621782.2/38

diff_bpm0l08X_mean vs Slug



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -8.066+/-2.110 χ^2/NDF:24.5/20

Right Out: -7.435+/-2.810 χ^2/NDF: 29.8/18

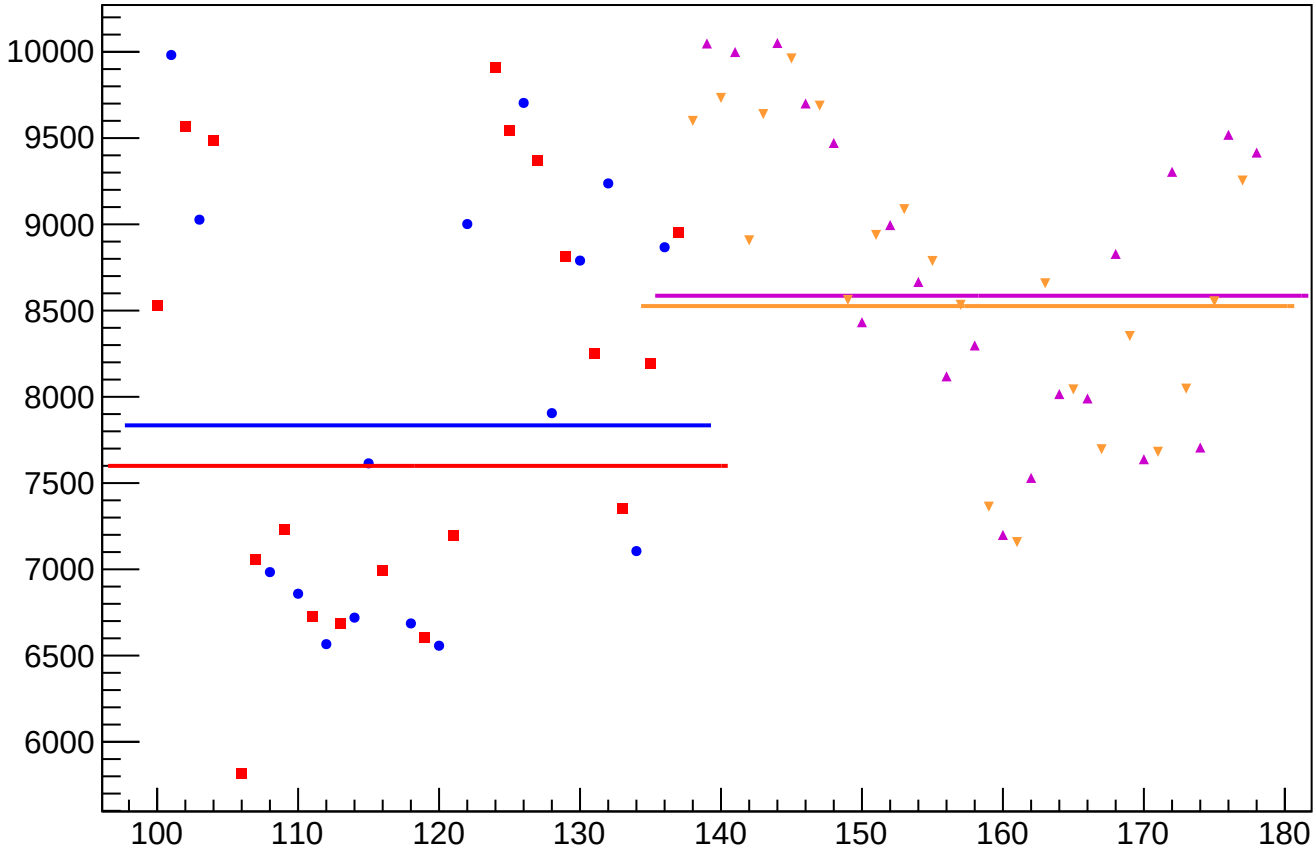
Left In: 10.952+/-2.148 χ^2/NDF:23.2/19

+ sign 1.837+/-1.716 χ^2/NDF: 129.7/36

All: 3.010+/-1.210 χ^2/NDF: 210.7/75

- sign 4.169+/-1.707 χ^2/NDF: 80.0/38

diff_bpm0l08X_rms vs Slug



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 8526.117+/-1.492 χ^2/NDF:296702.0/20

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

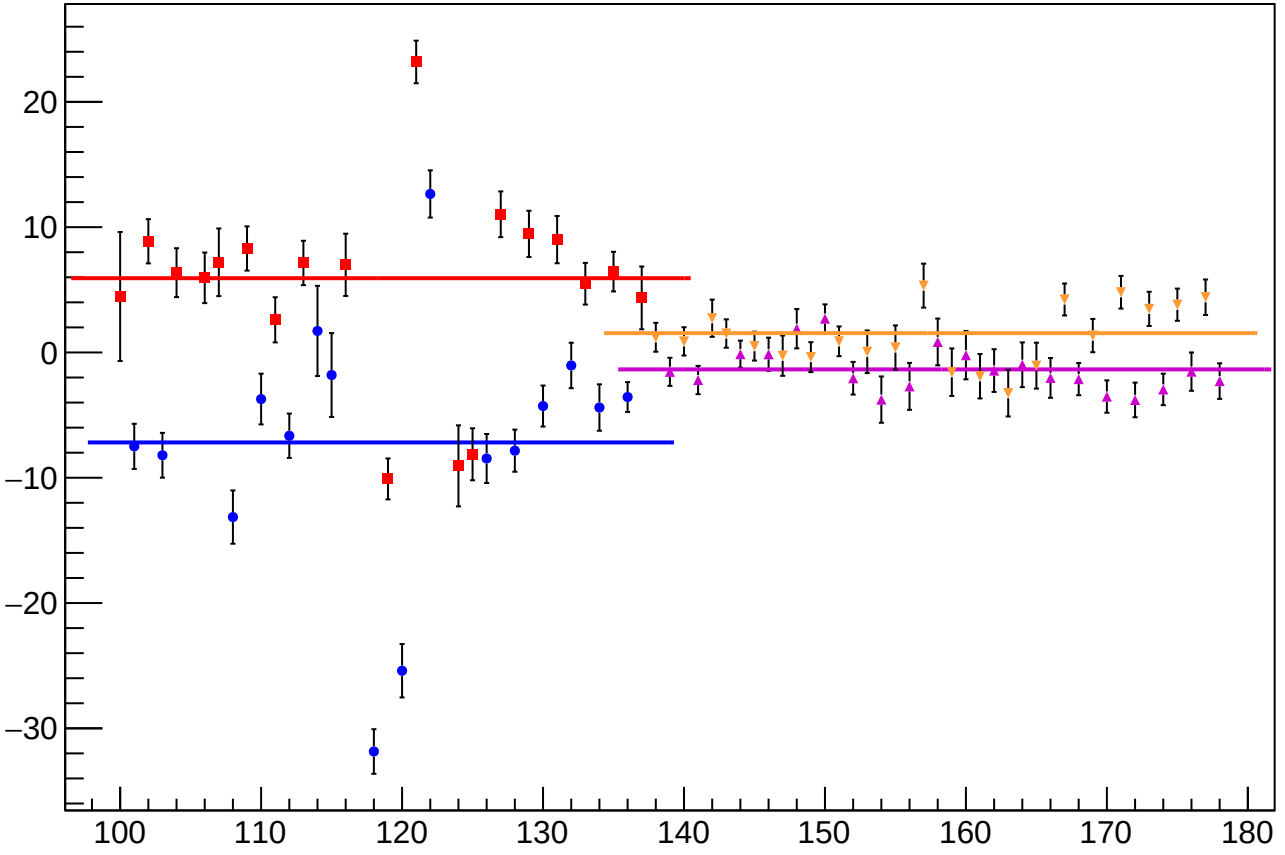
Left In: 8586.084+/-1.519 χ^2/NDF:344969.4/19

+ sign 8292.298+/-1.214 χ^2/NDF: 687437.5/36

All: 8257.082+/-0.856 χ^2/NDF: 1533865.3/75

- sign 8222.259+/-1.207 χ^2/NDF: 844753.4/38

diff_bpm0l08Y_mean vs Slug



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 1.543+/-0.303 χ^2/NDF:46.9/20

Right Out: 5.927+/-0.449 χ^2/NDF: 290.4/18

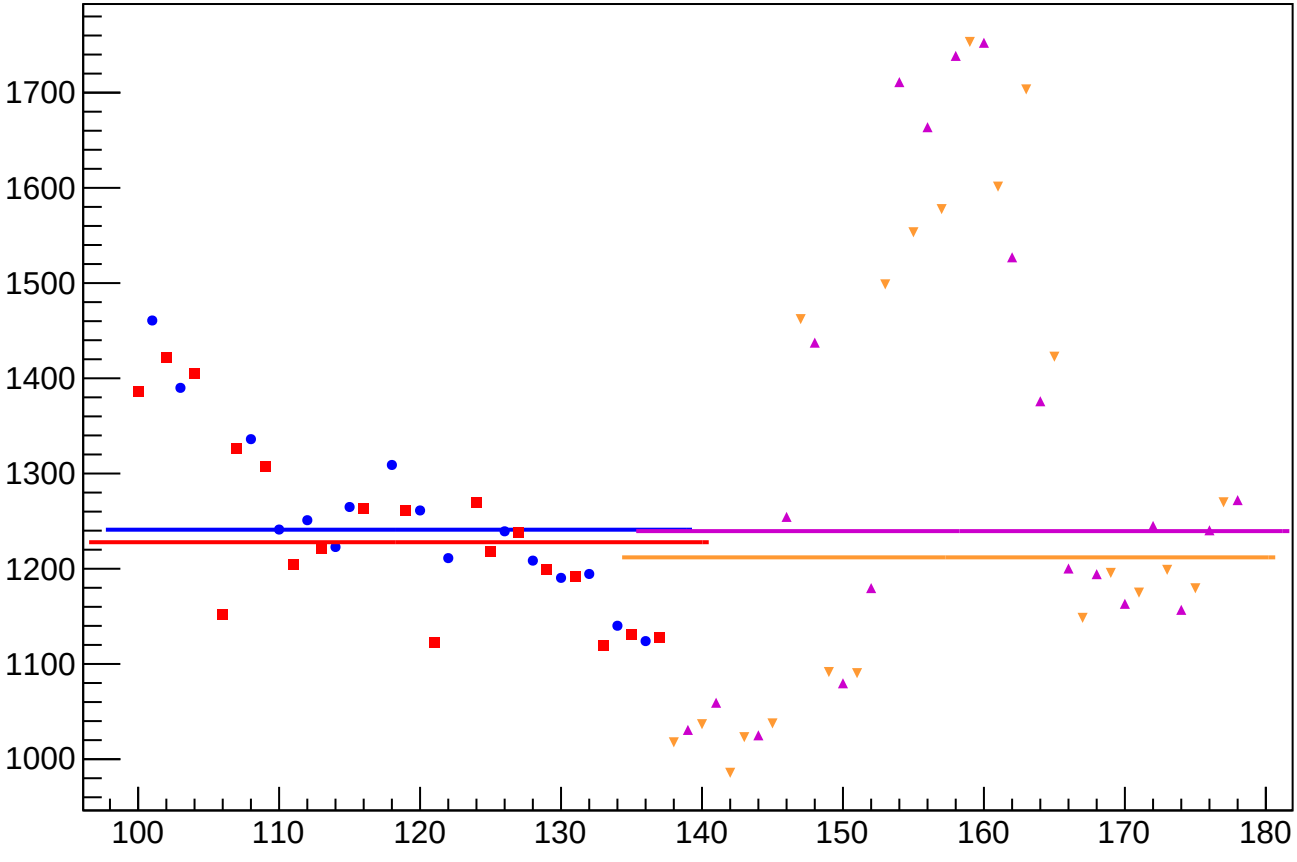
Left In: -1.352+/-0.312 χ^2/NDF:32.4/19

+ sign -1.077+/-0.253 χ^2/NDF: 718.4/36

All: -0.041+/-0.180 χ^2/NDF: 1252.1/75

- sign 1.022+/-0.256 χ^2/NDF: 499.8/38

diff_bpm0l08Y_rms vs Slug



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1211.955+/-0.214 χ^2/NDF:997945.3/20

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

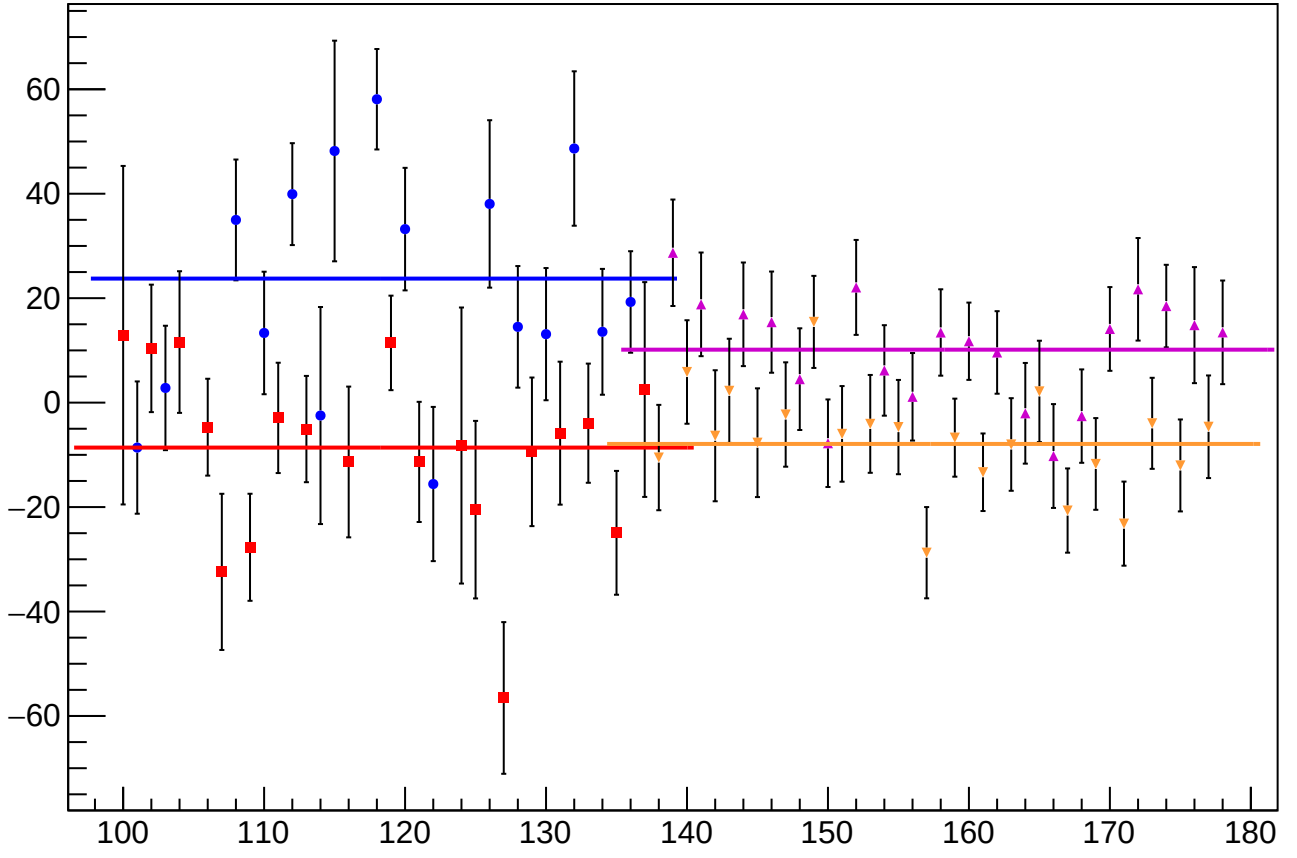
Left In: 1239.517+/-0.221 χ^2/NDF:880928.3/19

+ sign 1220.678+/-0.179 χ^2/NDF: 1084124.6/36

All: 1228.104+/-0.127 χ^2/NDF: 2051779.9/75

- sign 1235.717+/-0.181 χ^2/NDF: 964174.7/38

diff_bpm0l09X_mean vs Slug



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -7.911+/-1.973 χ^2/NDF:24.9/20

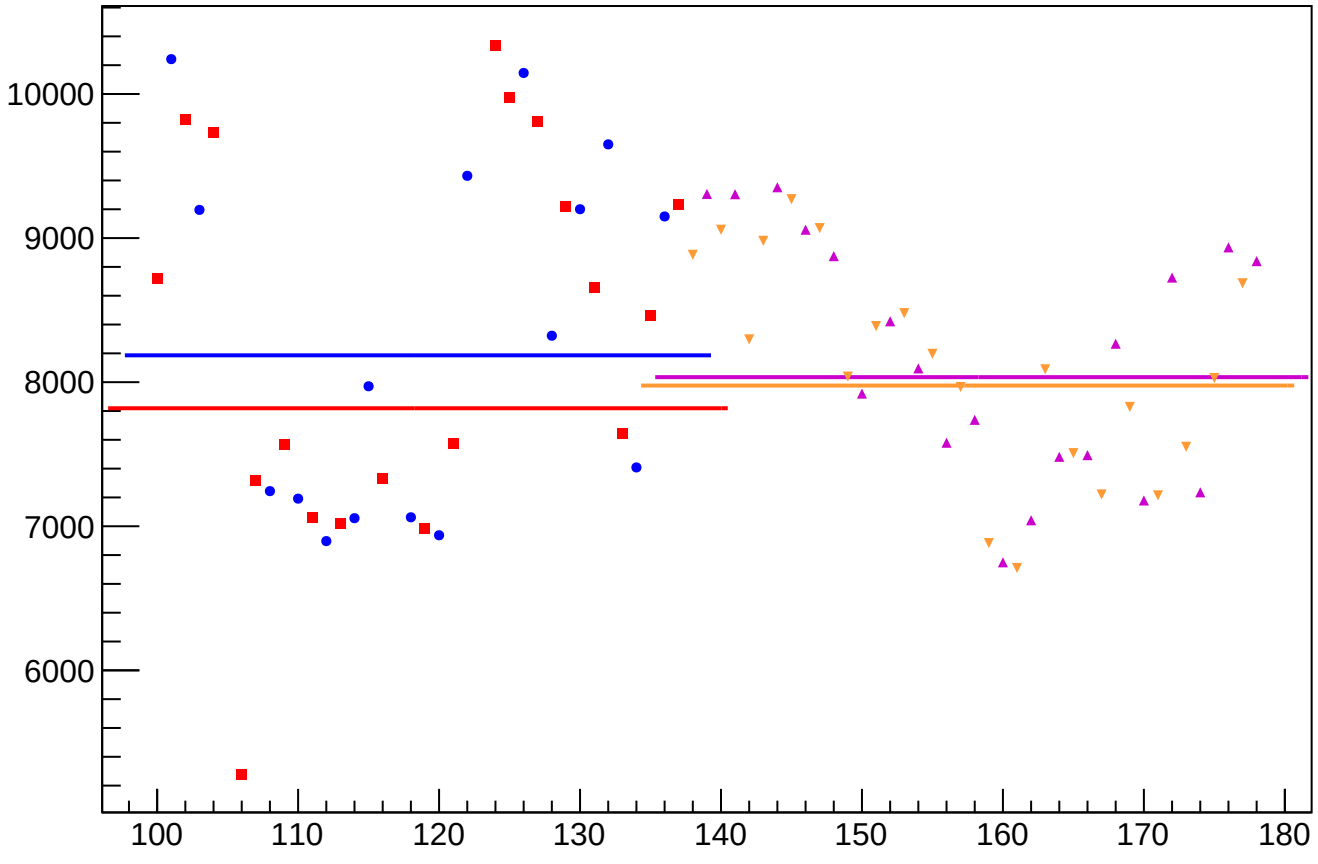
Right Out: -8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: 10.139+/-2.010 χ^2/NDF:23.9/19

+ sign 1.297+/-1.662 χ^2/NDF: 143.2/36

All: 2.683+/-1.172 χ^2/NDF: 227.1/75

- sign 4.053+/-1.652 χ^2/NDF: 82.6/38



Right In: 8186.361+/-2.179 χ^2/NDF: 290628.8/15

Left Out: 7976.480+/-1.395 χ^2/NDF:284748.8/20

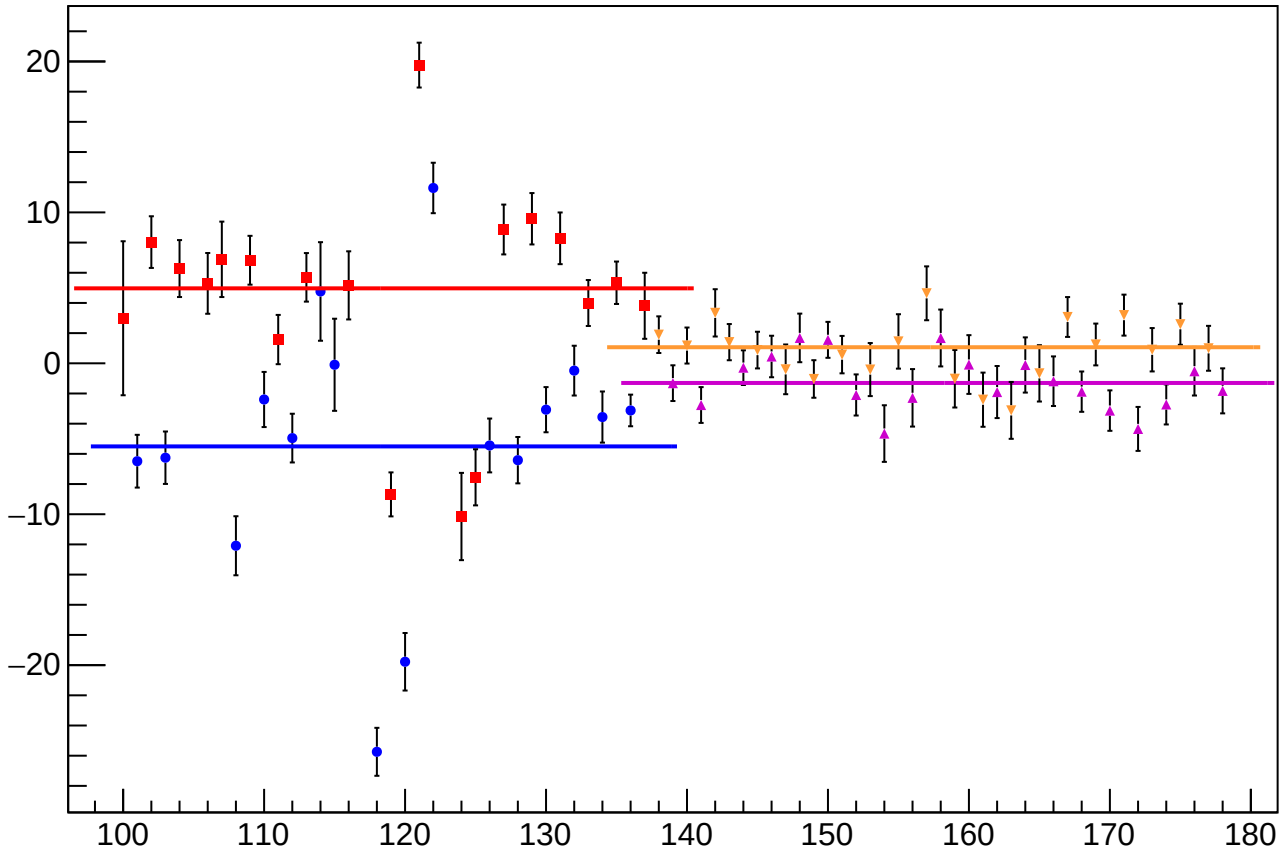
Right Out: 7818.965+/-2.050 χ^2/NDF: 422998.1/18

Left In: 8034.901+/-1.421 χ^2/NDF:334185.5/19

+ sign 8037.520+/-1.175 χ^2/NDF: 581957.6/36

All: 8000.939+/-0.828 χ^2/NDF: 1348561.7/75

- sign 7964.795+/-1.168 χ^2/NDF: 764677.4/38



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 1.065+/-0.316 χ^2/NDF:28.0/20

Right Out: 4.967+/-0.410 χ^2/NDF: 287.3/18

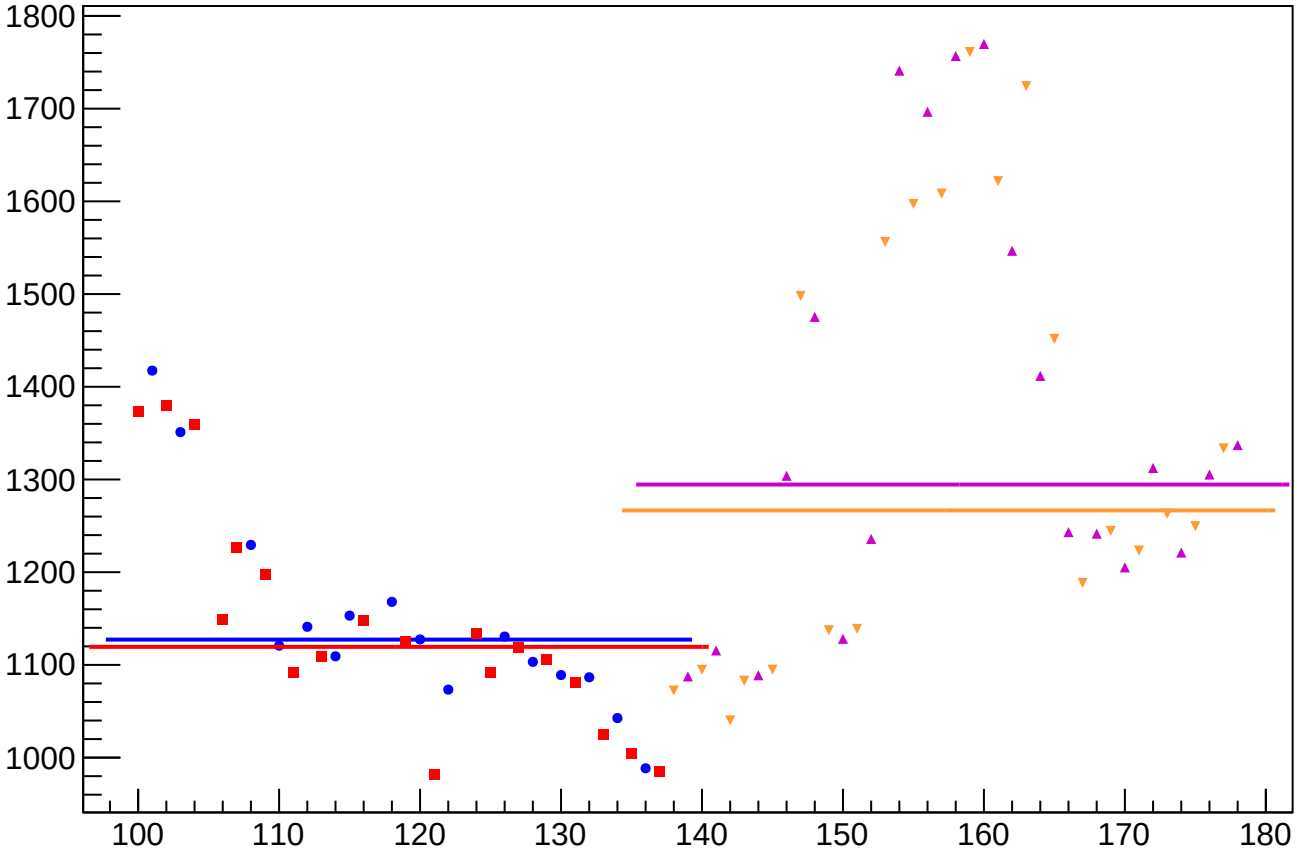
Left In: -1.302+/-0.325 χ^2/NDF:28.3/19

+ sign -1.300+/-0.253 χ^2/NDF: 553.9/36

All: -0.103+/-0.179 χ^2/NDF: 1058.2/75

- sign 1.118+/-0.255 χ^2/NDF: 458.9/38

diff_bpm0l09Y_rms vs Slug



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1266.652+/-0.223 χ^2/NDF:862954.6/20

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

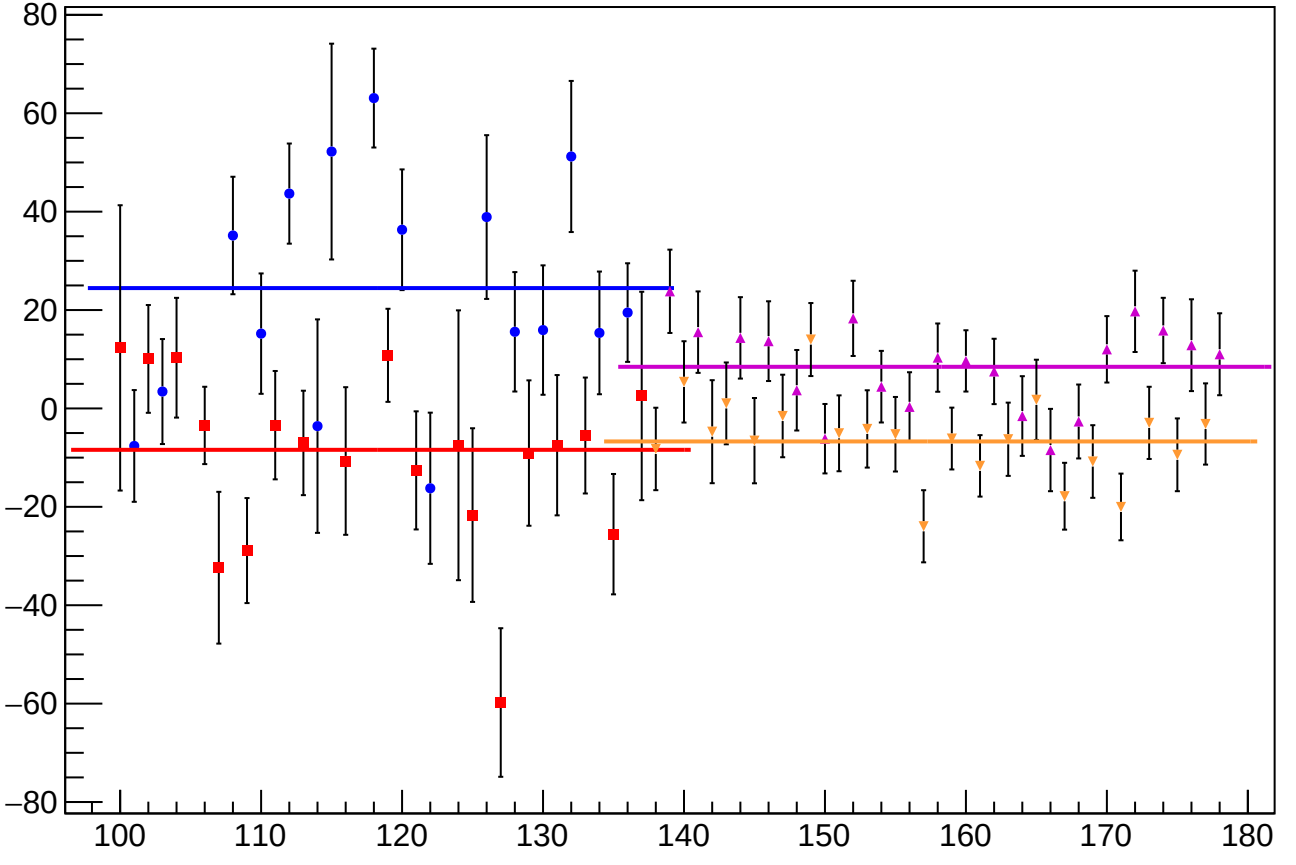
Left In: 1294.536+/-0.230 χ^2/NDF:754030.3/19

+ sign 1216.485+/-0.179 χ^2/NDF: 1143920.0/36

All: 1221.664+/-0.127 χ^2/NDF: 2263860.9/75

- sign 1226.944+/-0.180 χ^2/NDF: 1118241.9/38

diff_bpm0l10X_mean vs Slug



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -6.708+/-1.656 χ^2/NDF:26.1/20

Right Out: -8.413+/-2.891 χ^2/NDF: 31.1/18

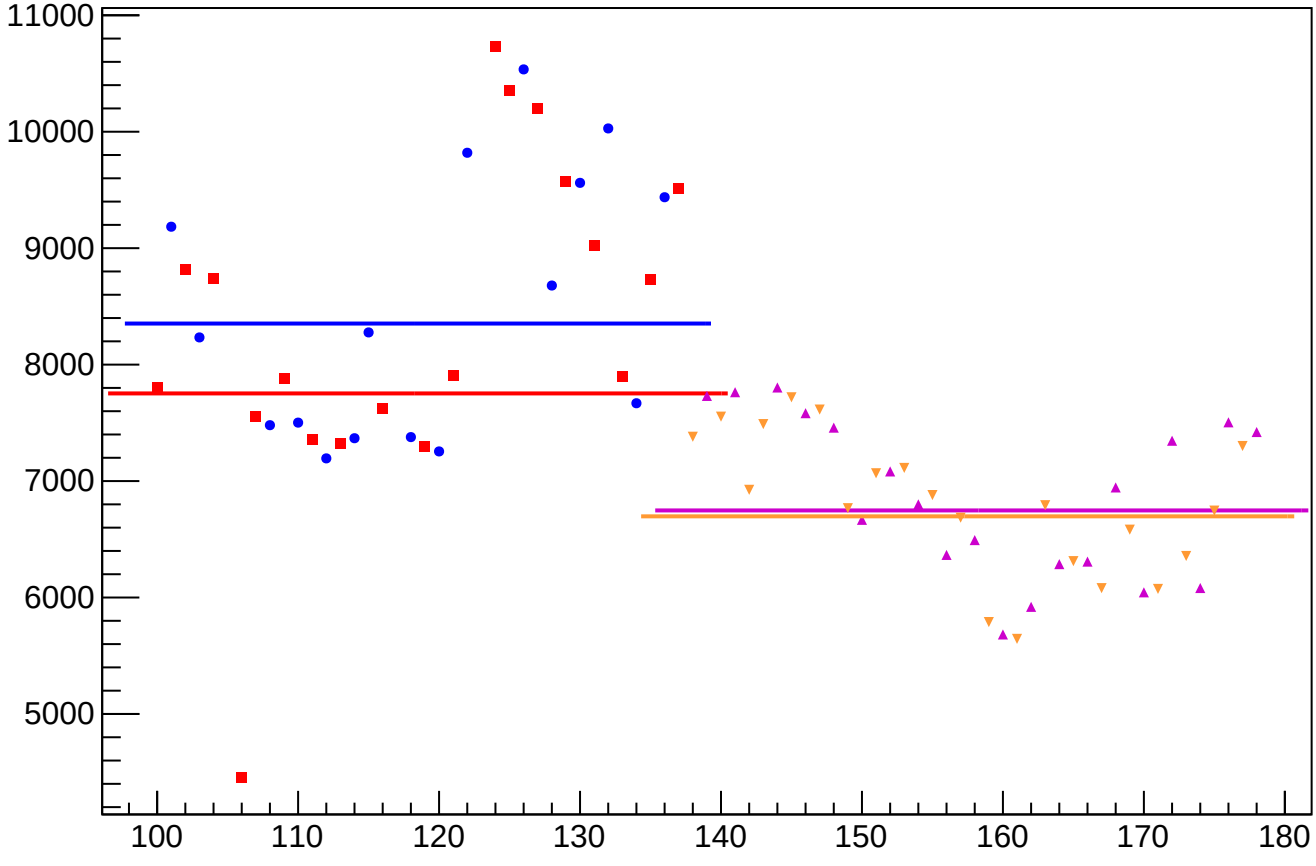
Left In: 8.462+/-1.688 χ^2/NDF:24.5/19

+ sign 0.090+/-1.465 χ^2/NDF: 151.7/36

All: 2.142+/-1.033 χ^2/NDF: 236.6/75

- sign 4.174+/-1.457 χ^2/NDF: 81.0/38

diff_bpm0l10X_rms vs Slug



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 6697.079+/-1.171 χ^2/NDF:269382.0/20

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

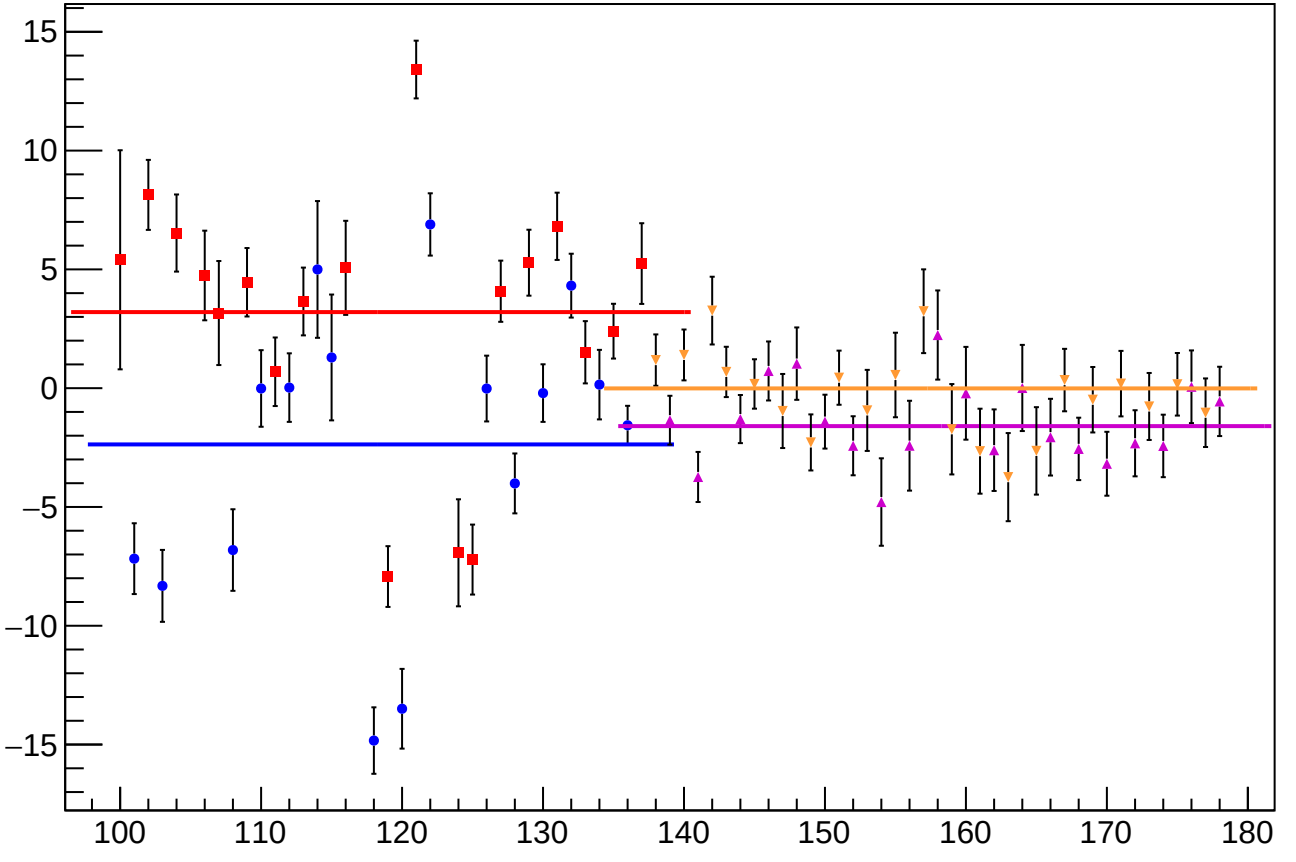
Left In: 6747.919+/-1.193 χ^2/NDF:320126.0/19

+ sign 7058.166+/-1.036 χ^2/NDF: 925654.5/36

All: 7030.586+/-0.730 χ^2/NDF: 2015450.7/75

- sign 7003.275+/-1.031 χ^2/NDF: 1088384.7/38

diff_bpm0l10Y_mean vs Slug



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: -0.010+/-0.298 χ^2/NDF:26.8/20

Right Out: 3.203+/-0.346 χ^2/NDF: 250.5/18

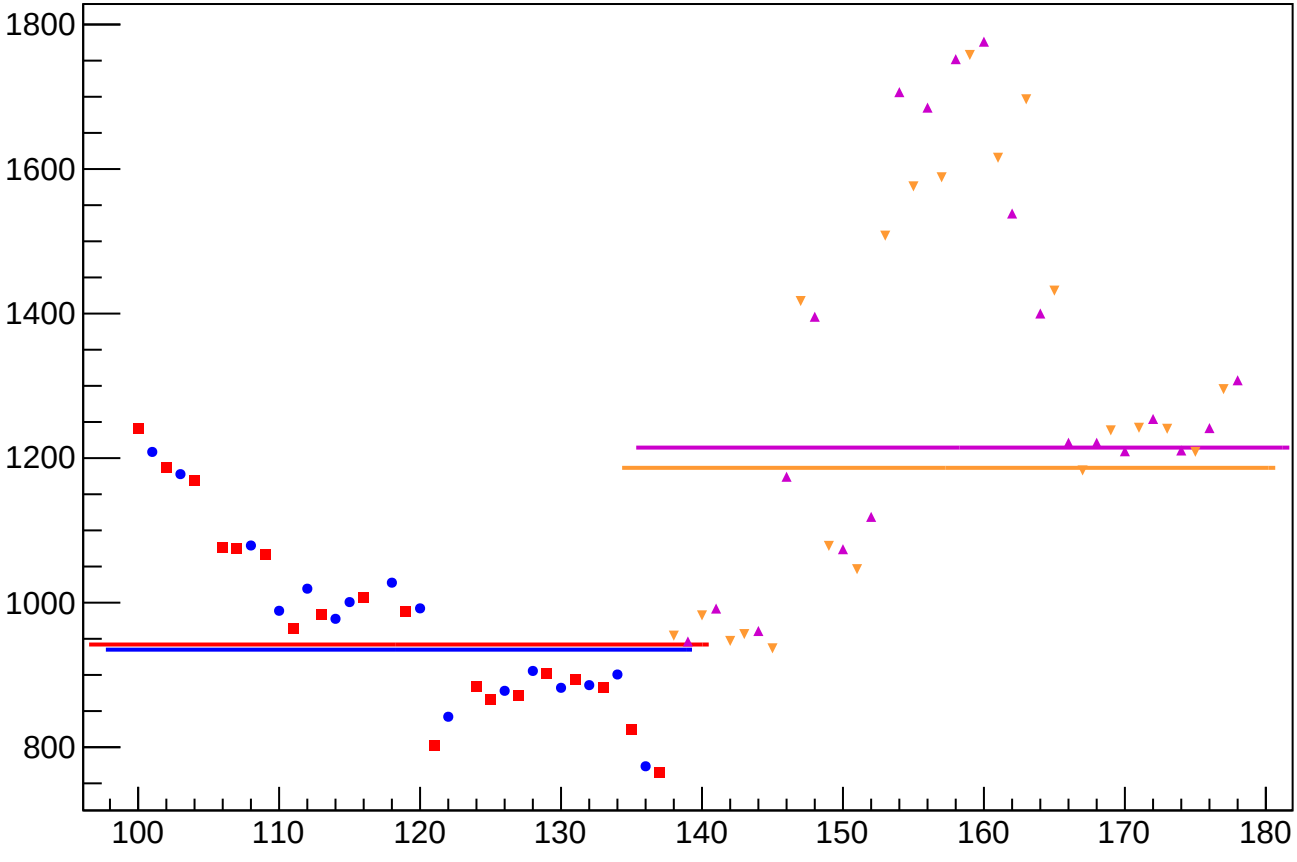
Left In: -1.597+/-0.307 χ^2/NDF:24.6/19

+ sign -0.998+/-0.227 χ^2/NDF: 308.7/36

All: -0.251+/-0.161 χ^2/NDF: 713.3/75

- sign 0.516+/-0.230 χ^2/NDF: 382.6/38

diff_bpm0l10Y_rms vs Slug



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 1186.563+/-0.210 χ^2/NDF:1296115.5/20

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

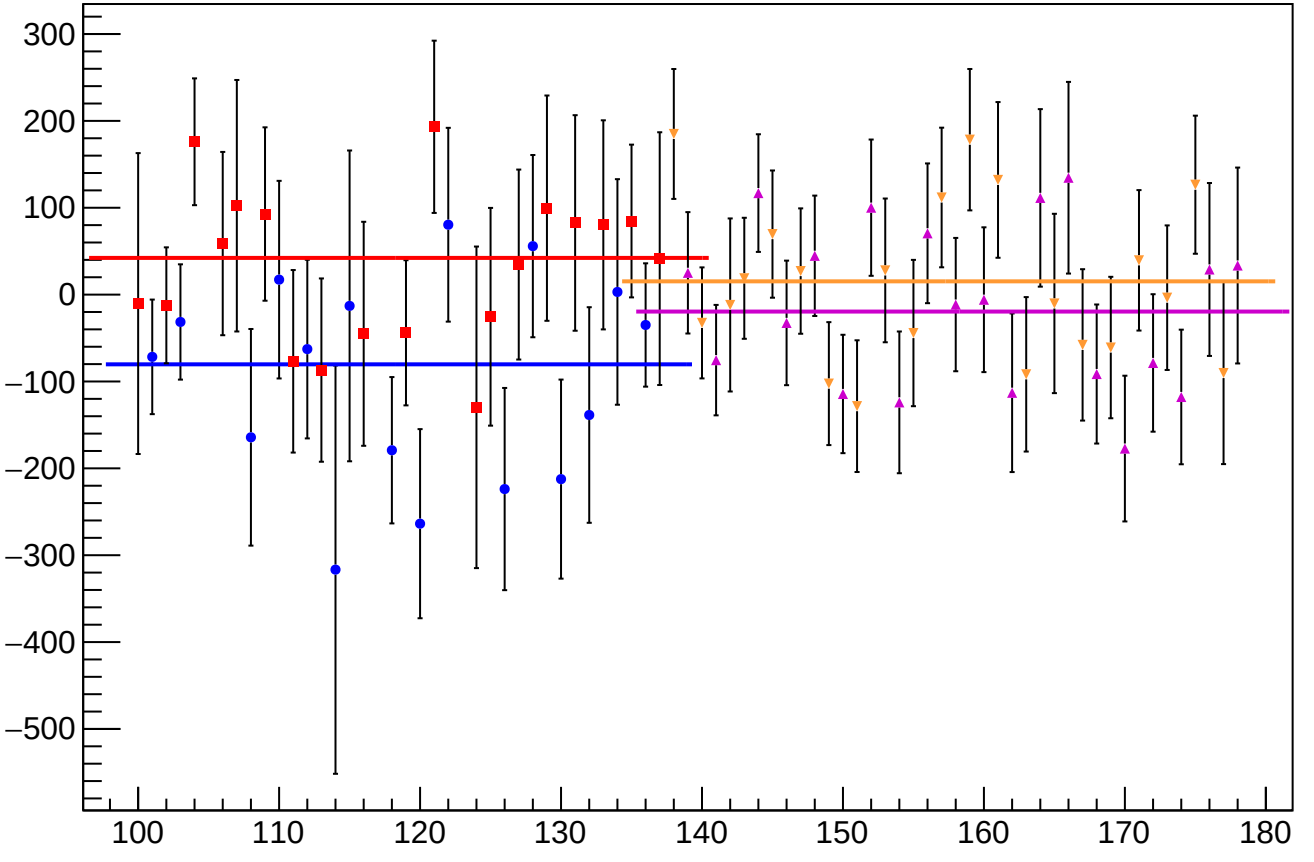
Left In: 1214.560+/-0.217 χ^2/NDF:1122496.3/19

+ sign 1081.124+/-0.160 χ^2/NDF: 2149255.2/36

All: 1087.772+/-0.114 χ^2/NDF: 4200360.8/75

- sign 1094.594+/-0.163 χ^2/NDF: 2047626.3/38

diff_bpm0r03X_mean vs Slug



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 15.285+/-17.542 χ^2/NDF:26.6/20

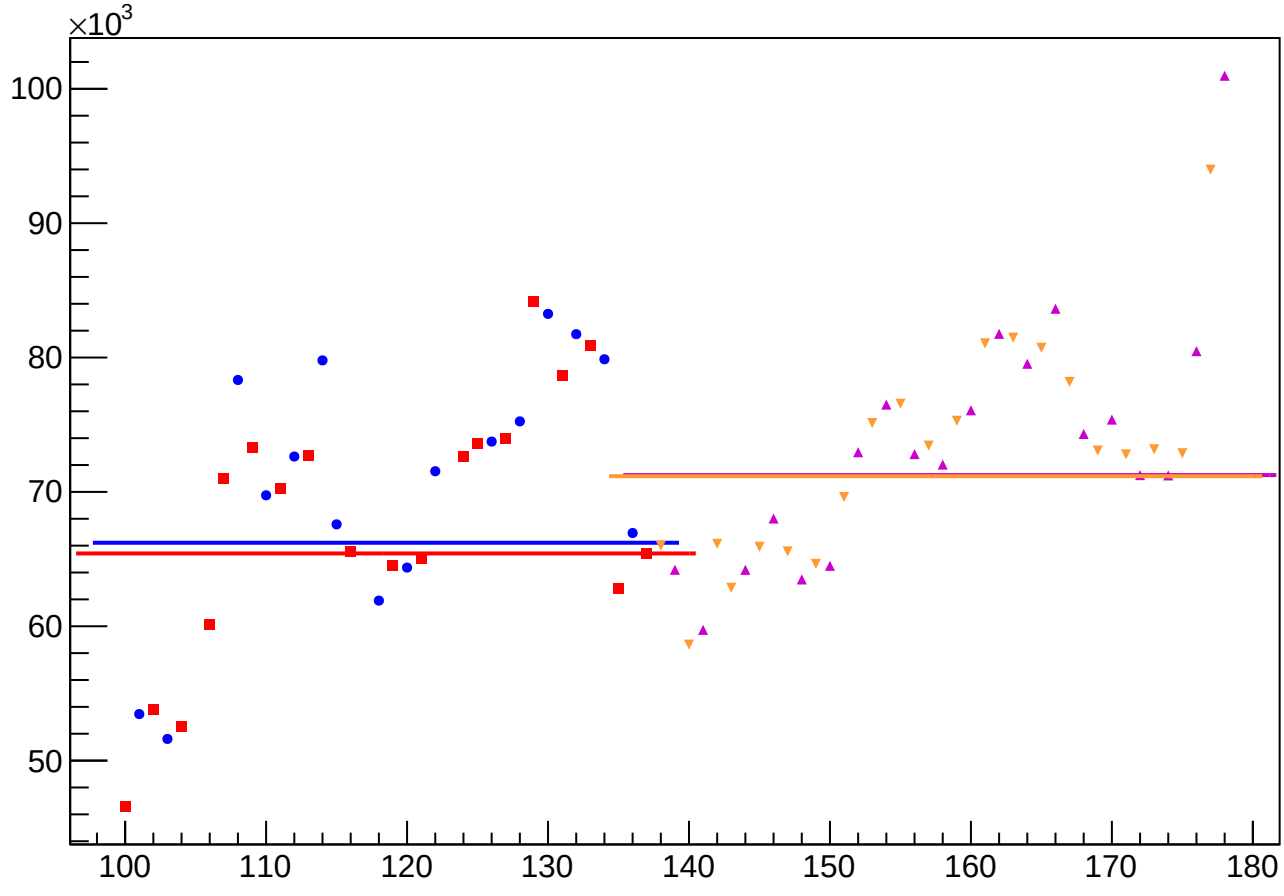
Right Out: 42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: -19.506+/-17.757 χ^2/NDF:24.9/19

+ sign -16.389+/-14.342 χ^2/NDF: 51.2/36

All: -7.082+/-10.128 χ^2/NDF: 94.2/75

- sign 2.176+/-14.305 χ^2/NDF: 42.2/38



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 71168.320+/-12.404 χ^2/NDF:359802.6/20

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

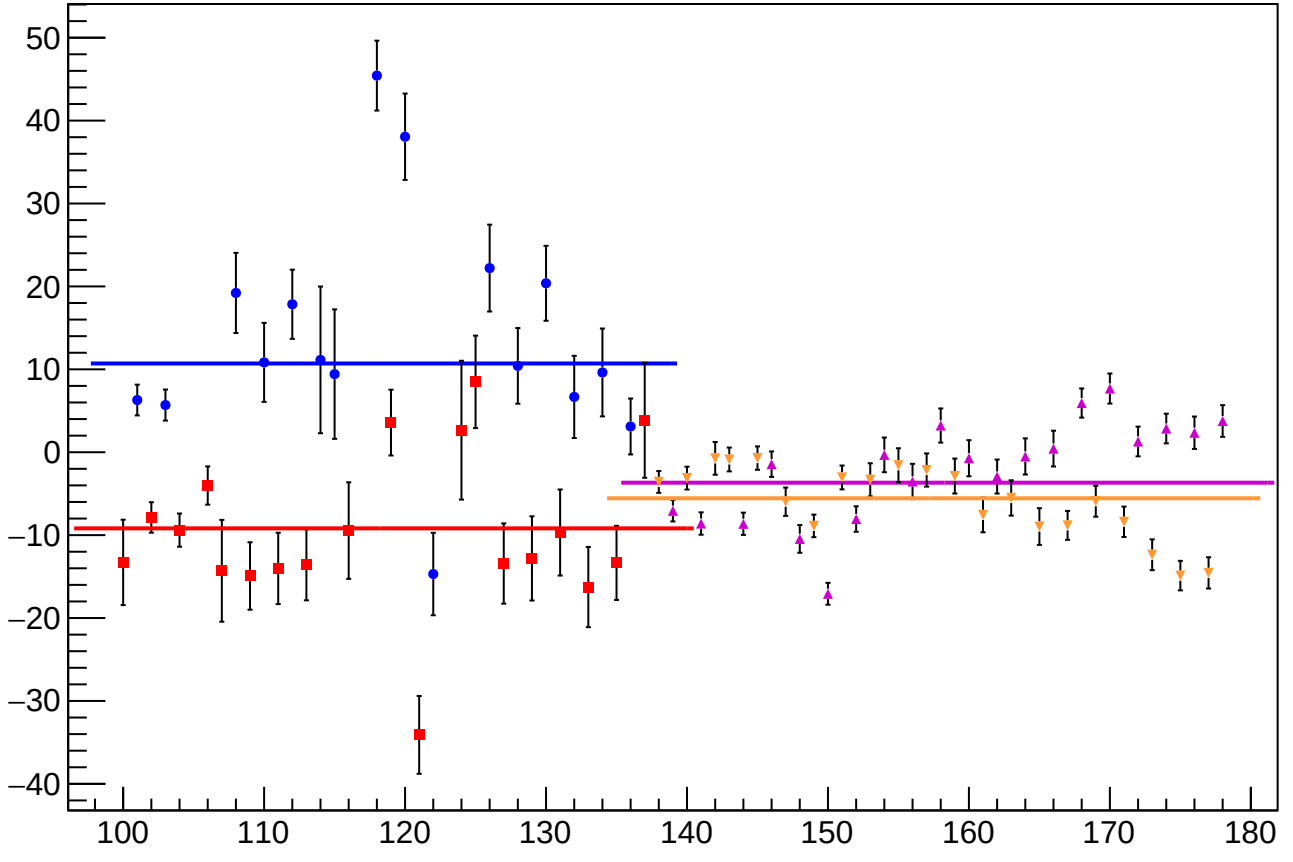
Left In: 71253.262+/-12.556 χ^2/NDF:402188.5/19

+ sign 69526.459+/-10.142 χ^2/NDF: 751023.6/36

All: 69365.375+/-7.162 χ^2/NDF: 1534070.5/7

- sign 69205.134+/-10.115 χ^2/NDF: 782543.6/38

diff_bpm0r03Y_mean vs Slug



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -5.555+/-0.374 χ^2/NDF:125.3/20

Right Out: -9.182+/-0.850 χ^2/NDF: 69.6/18

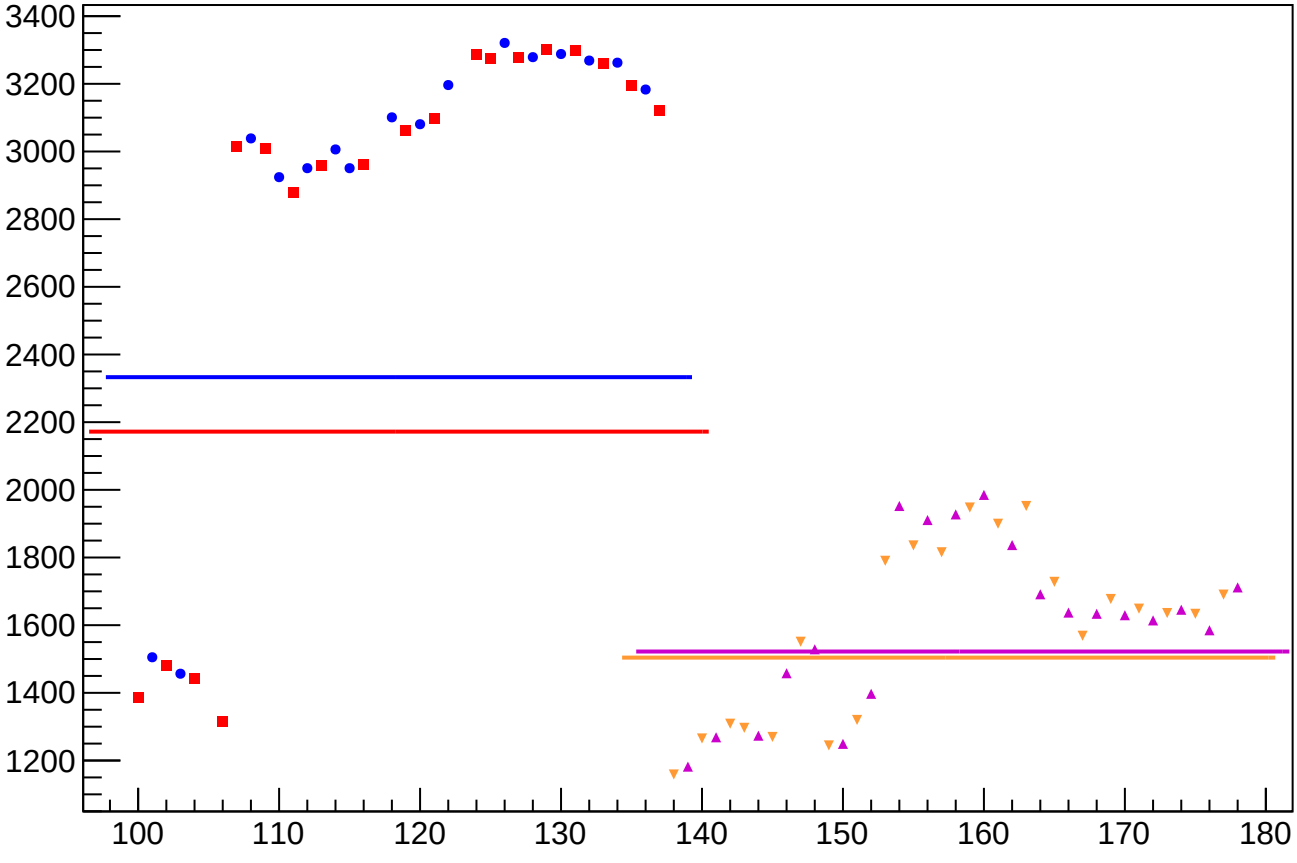
Left In: -3.674+/-0.382 χ^2/NDF:300.2/19

+ sign -3.248+/-0.347 χ^2/NDF: 548.6/36

All: -3.920+/-0.246 χ^2/NDF: 960.8/75

- sign -4.601+/-0.349 χ^2/NDF: 404.7/38

diff_bpm0r03Y_rms vs Slug



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1504.122+/-0.265 χ^2/NDF:905499.7/20

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

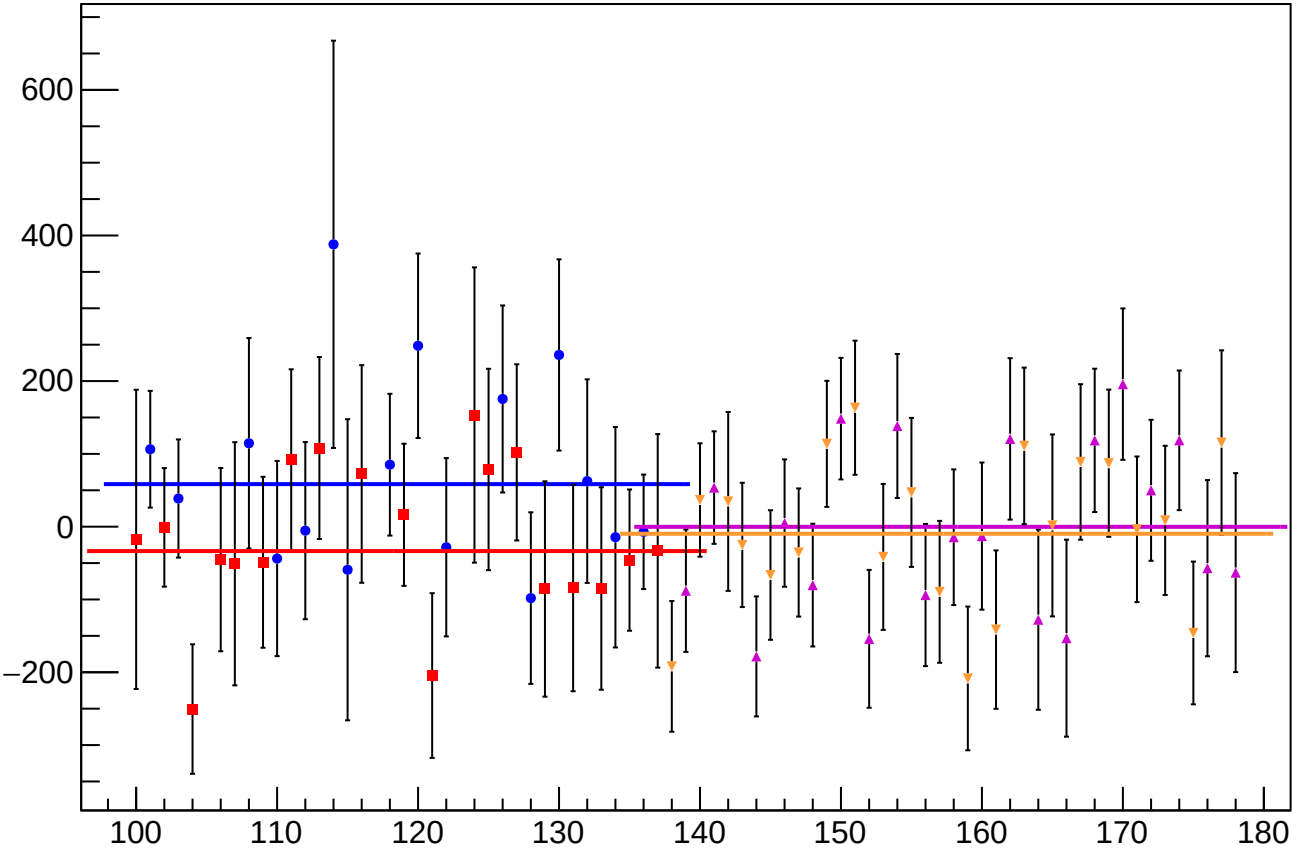
Left In: 1522.137+/-0.270 χ^2/NDF:816852.1/19

+ sign 1621.760+/-0.245 χ^2/NDF: 3948351.8/36

All: 1626.621+/-0.174 χ^2/NDF: 7722272.9/75

- sign 1631.538+/-0.247 χ^2/NDF: 3773130.8/38

diff_bpm0r05X_mean vs Slug



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -9.742+/-21.399 χ^2/NDF:23.3/20

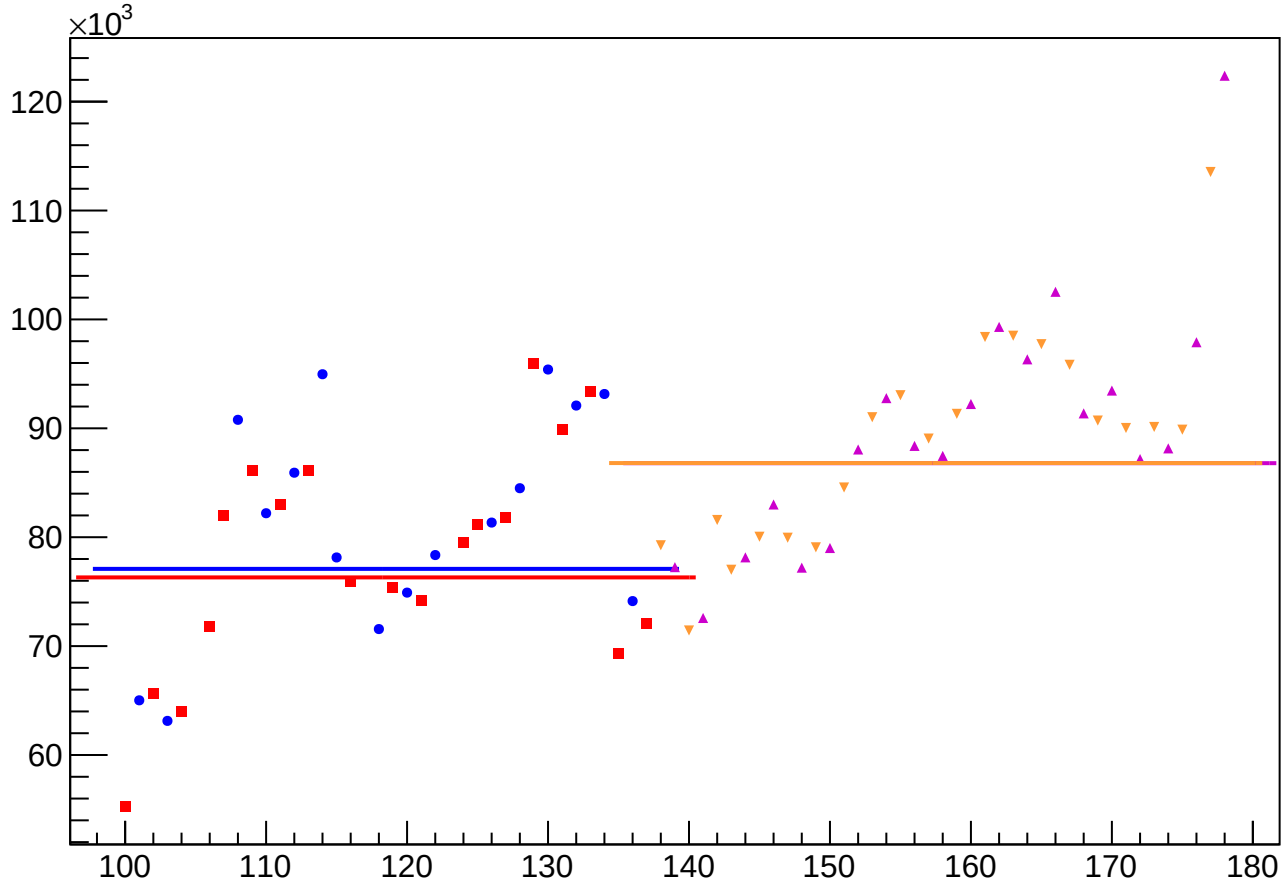
Right Out: -33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: -0.215+/-21.635 χ^2/NDF:26.6/19

+ sign 14.385+/-17.201 χ^2/NDF: 38.2/36

All: 0.844+/-12.143 χ^2/NDF: 81.6/75

- sign -12.607+/-17.144 χ^2/NDF: 42.2/38



Right In: 77093.125+/-20.448 χ^2/NDF: 248542.7/15

Left Out: 86809.198+/-15.131 χ^2/NDF:353087.8/20

Right Out: 76308.708+/-19.874 χ^2/NDF: 234433.2/18

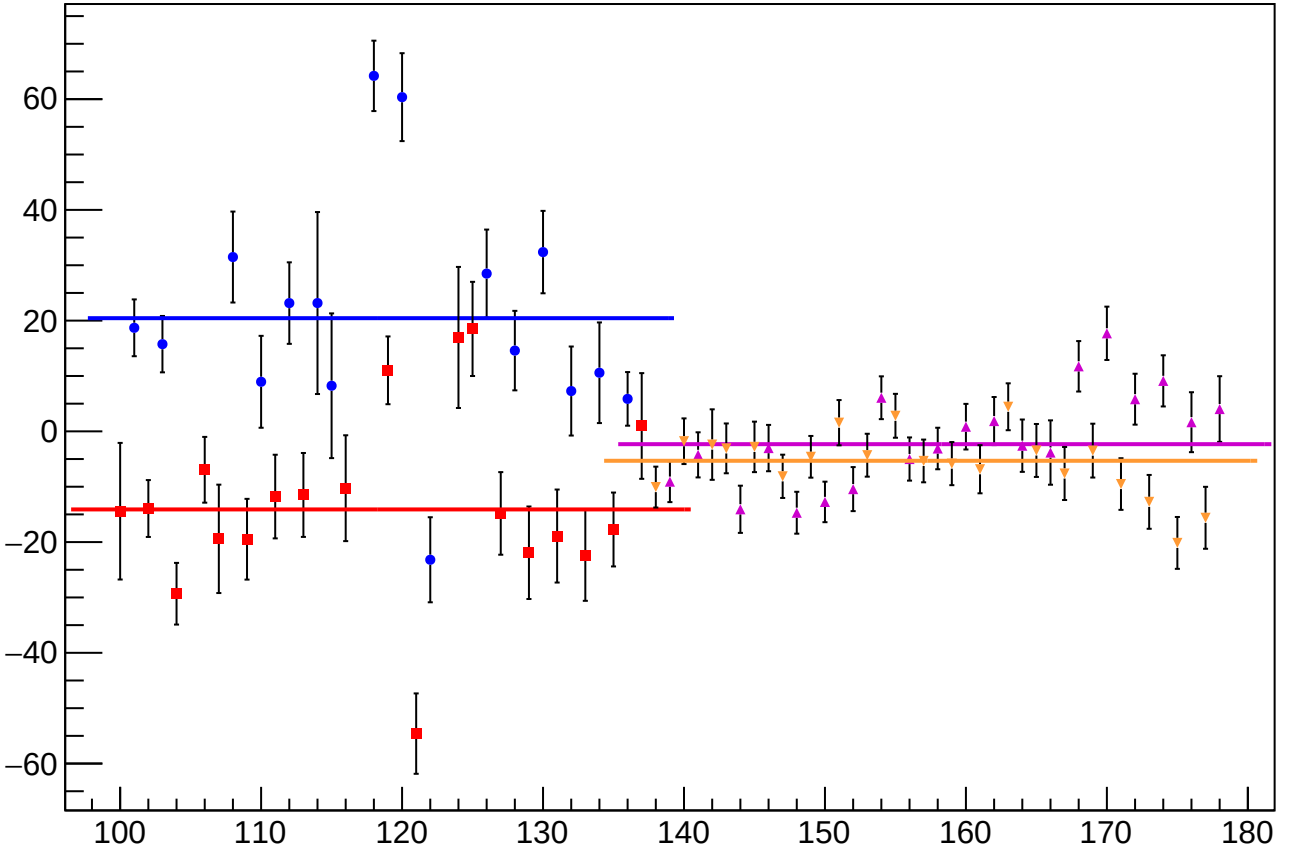
Left In: 86798.630+/-15.298 χ^2/NDF:406364.1/19

+ sign 83371.383+/-12.163 χ^2/NDF: 747523.9/36

All: 83132.678+/-8.586 χ^2/NDF: 1564031.2/7

- sign 82895.559+/-12.123 χ^2/NDF: 815739.6/38

diff_bpm0r05Y_mean vs Slug



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -5.316+/-0.946 χ^2/NDF:33.3/20

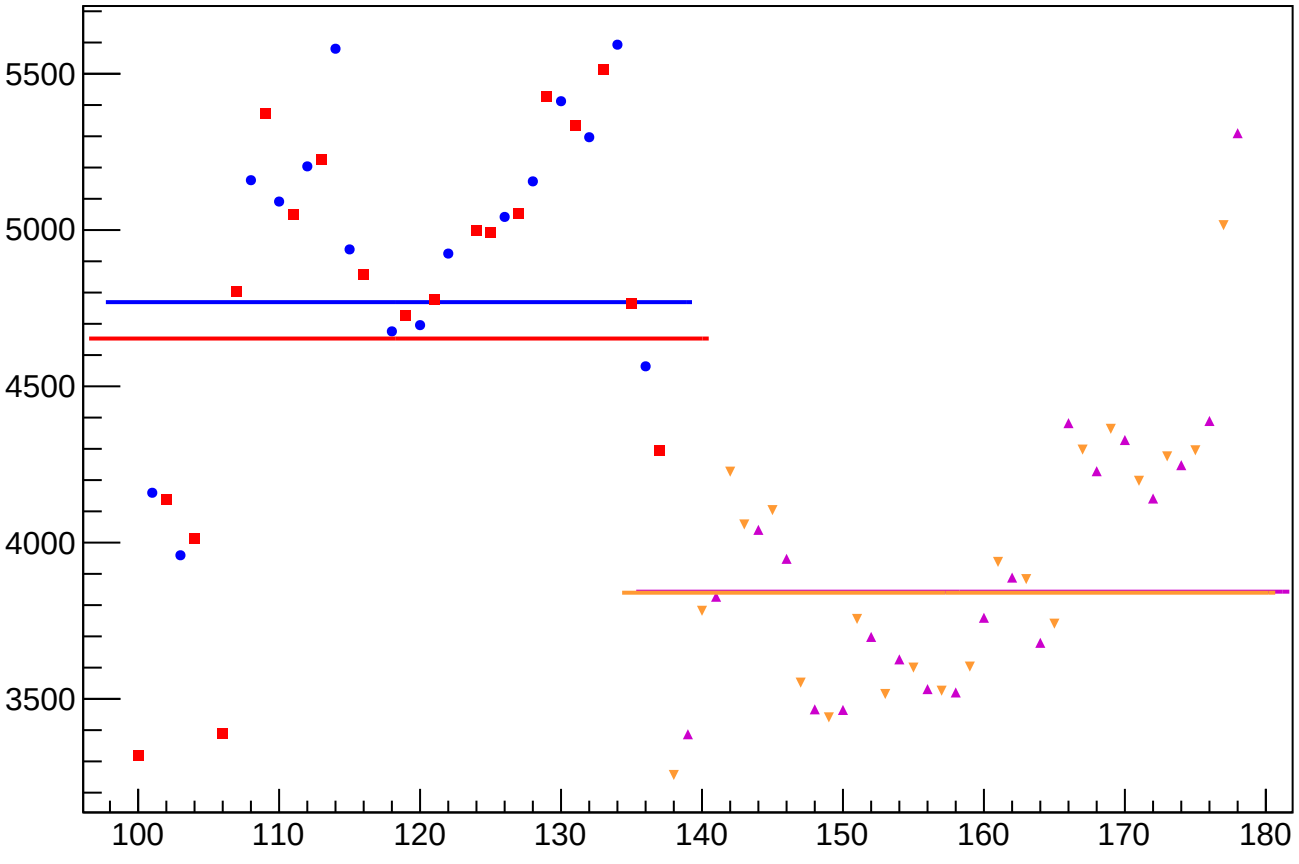
Right Out: -14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: -2.315+/-0.957 χ^2/NDF:78.8/19

+ sign 0.347+/-0.835 χ^2/NDF: 324.2/36

All: -2.385+/-0.591 χ^2/NDF: 544.1/75

- sign -5.119+/-0.836 χ^2/NDF: 198.6/38



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3839.726+/-0.669 χ^2/NDF:323943.4/20

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

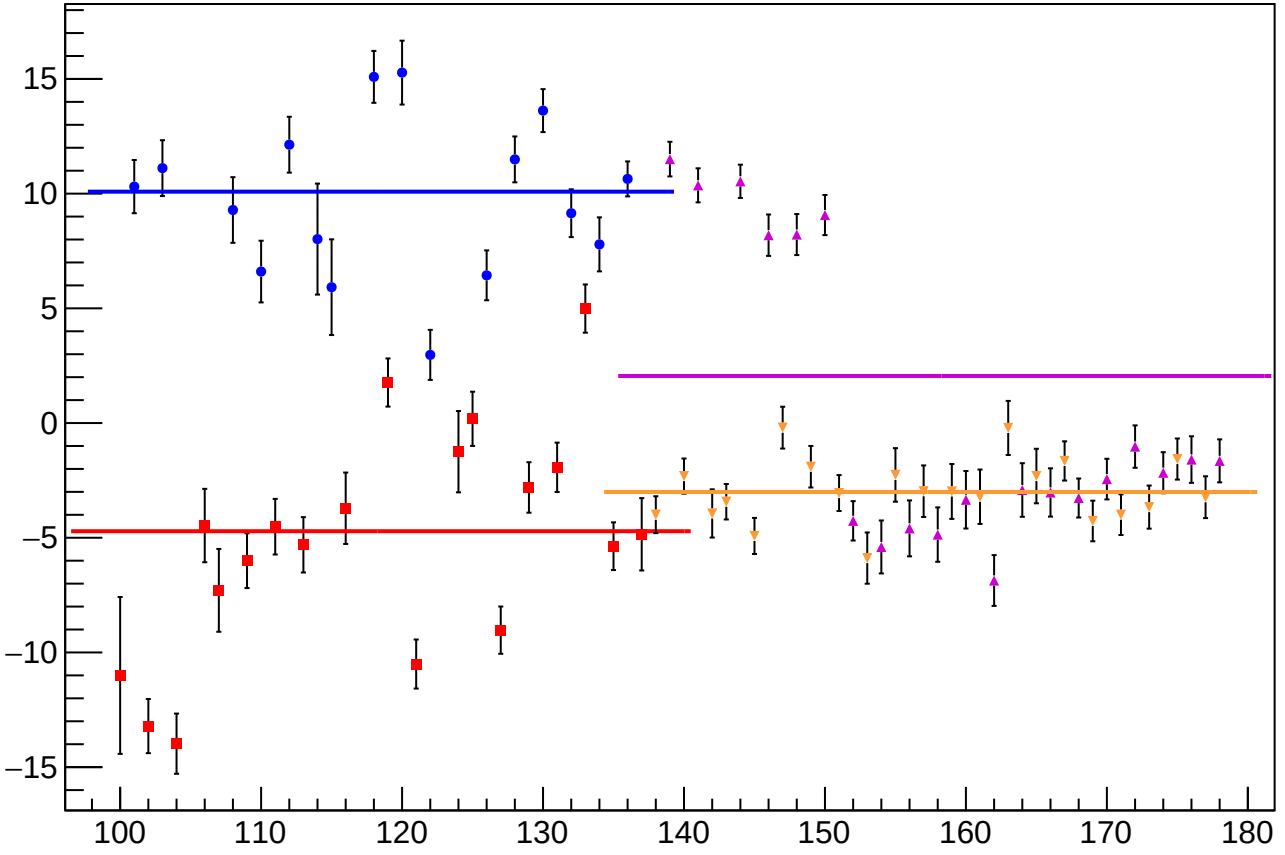
Left In: 3843.019+/-0.677 χ^2/NDF:335437.9/19

+ sign 4044.090+/-0.591 χ^2/NDF: 900300.9/36

All: 4039.874+/-0.418 χ^2/NDF: 1841467.6/75

- sign 4035.656+/-0.591 χ^2/NDF: 941064.8/38

diff_bpm2i01X_mean vs Slug



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -3.005+/-0.203 χ^2/NDF:42.3/20

Right Out: -4.715+/-0.286 χ^2/NDF: 310.2/18

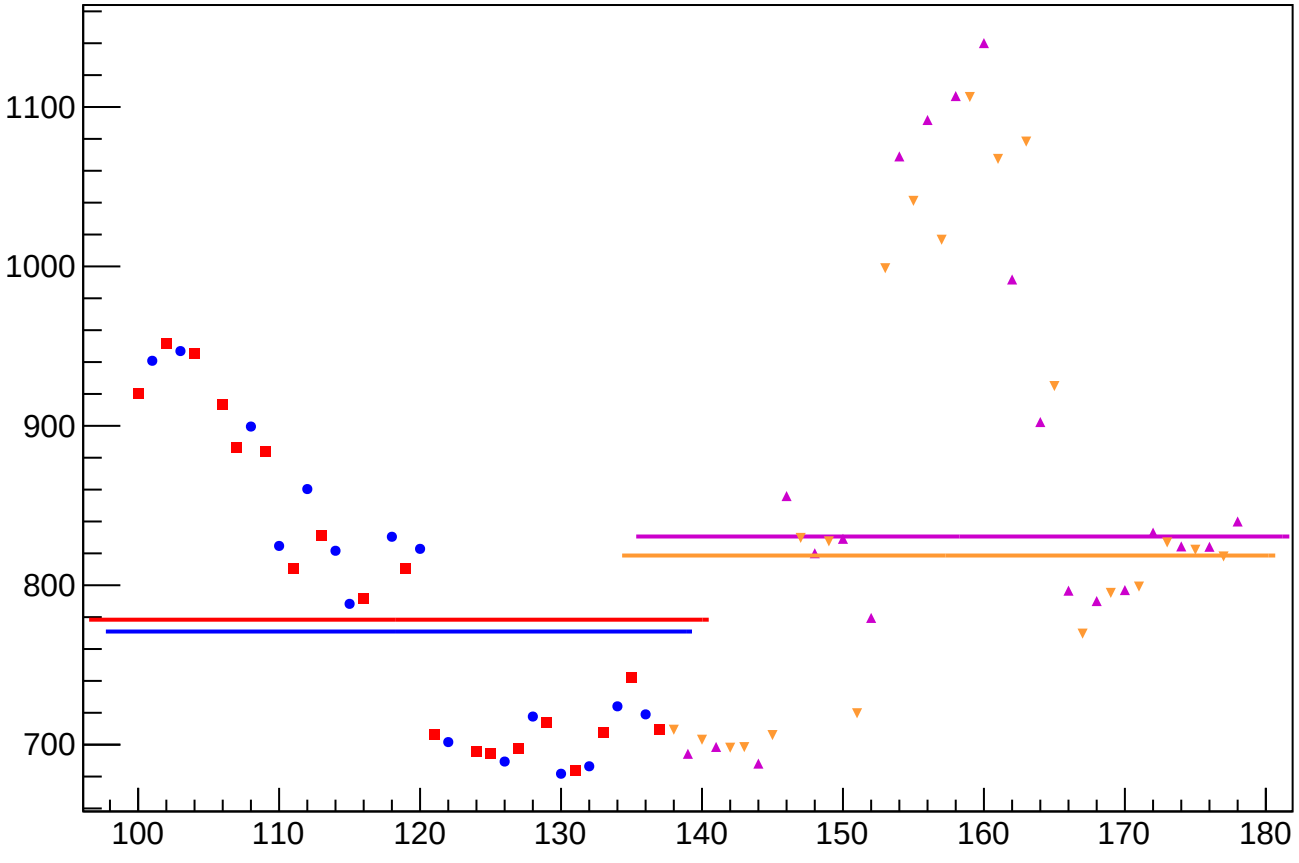
Left In: 2.052+/-0.208 χ^2/NDF:988.2/19

+ sign 1.345+/-0.166 χ^2/NDF: 1542.3/36

All: 0.534+/-0.118 χ^2/NDF: 3255.0/75

- sign -0.298+/-0.168 χ^2/NDF: 1664.5/38

diff_bpm2i01X_rms vs Slug



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 818.648+/-0.144 χ^2/NDF:743391.6/20

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

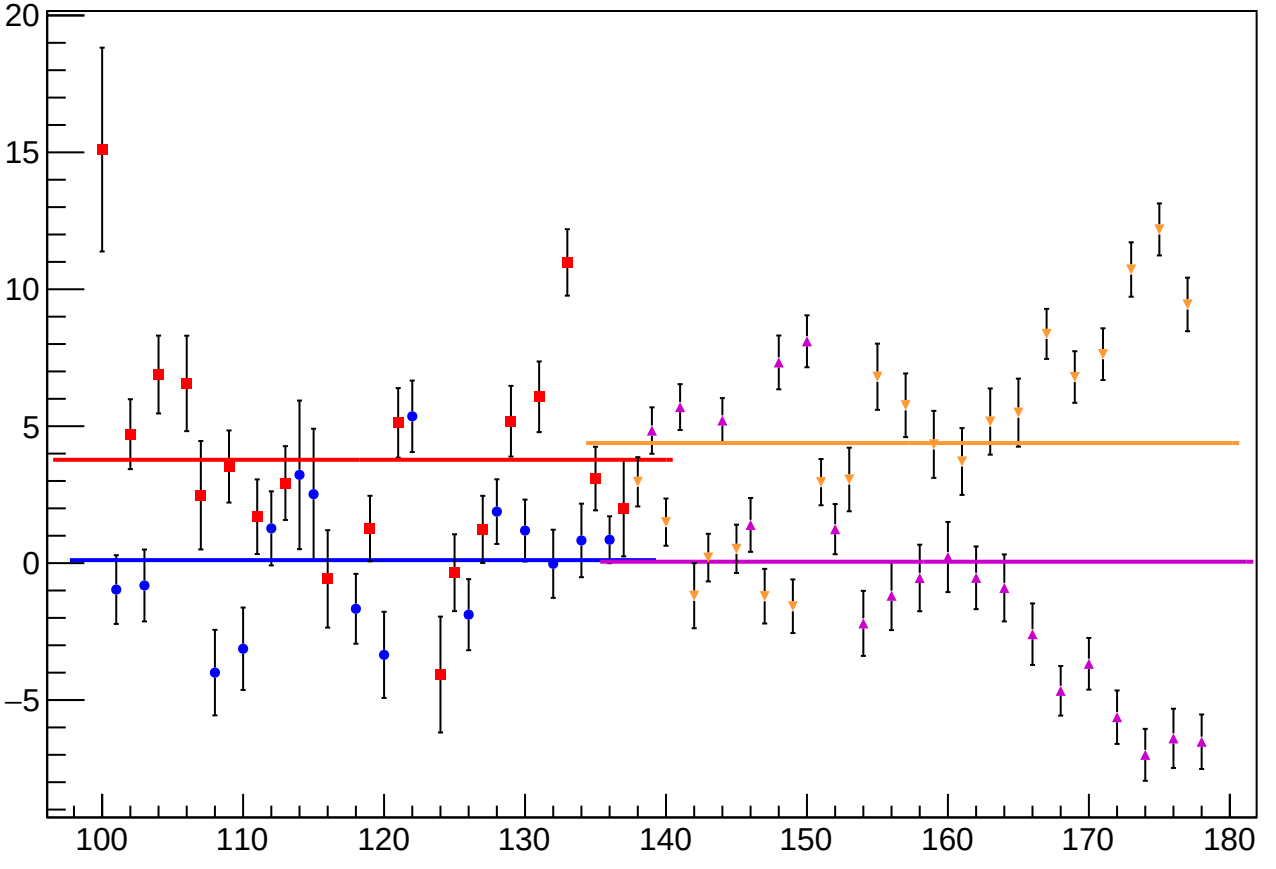
Left In: 830.578+/-0.147 χ^2/NDF:682294.8/19

\+ sign 802.809+/-0.118 χ^2/NDF: 972804.9/36

All: 807.572+/-0.084 χ^2/NDF: 1898510.2/75

\- sign 812.460+/-0.119 χ^2/NDF: 922377.6/38

diff_bpm2i01Y_mean vs Slug



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 4.385+/-0.219 χ^2/NDF:330.1/20

Right Out: 3.774+/-0.326 χ^2/NDF: 99.6/18

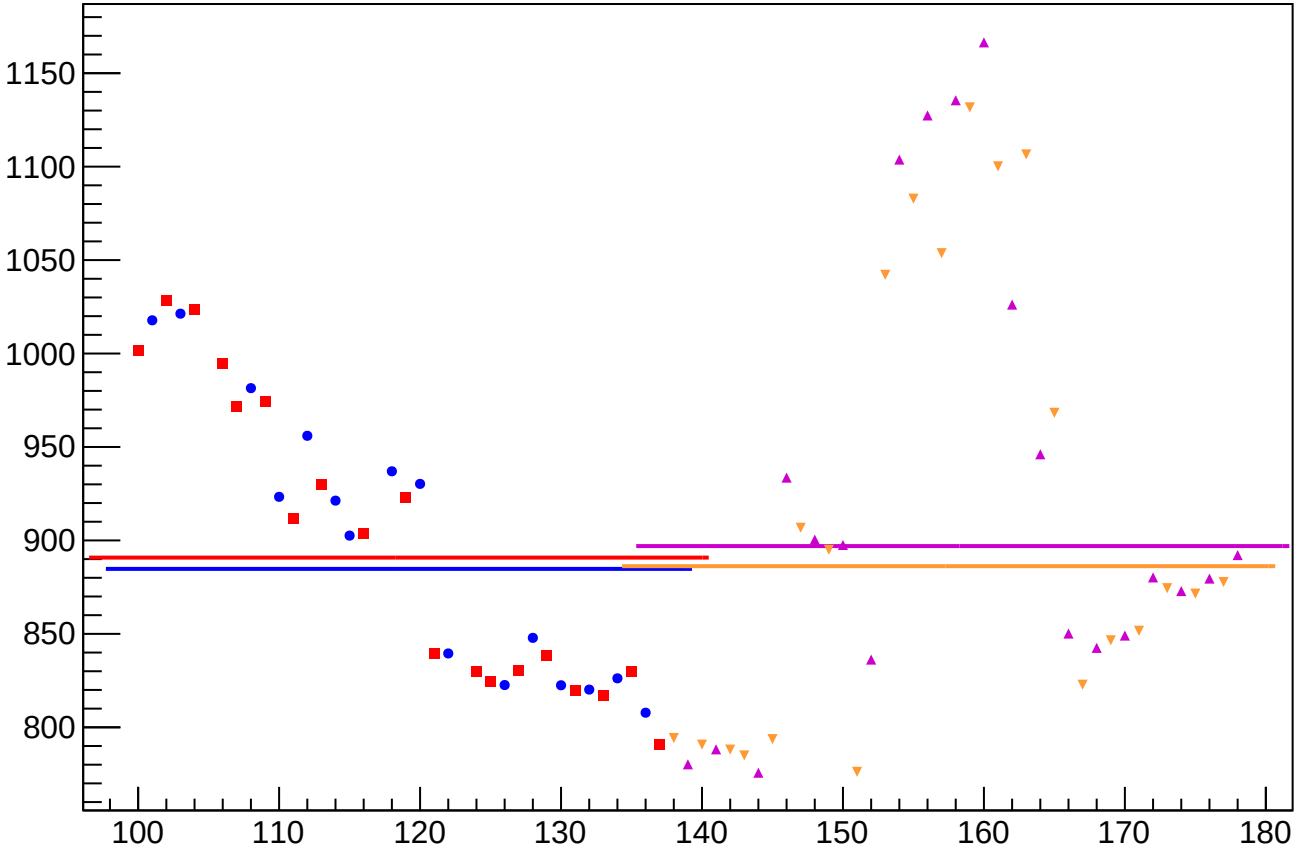
Left In: 0.052+/-0.224 χ^2/NDF:469.9/19

+ sign 3.075+/-0.183 χ^2/NDF: 491.9/36

All: 2.171+/-0.130 χ^2/NDF: 1199.5/75

- sign 1.246+/-0.185 χ^2/NDF: 657.9/38

diff_bpm2i01Y_rms vs Slug



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 886.221+/-0.155 χ^2/NDF:507700.6/20

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

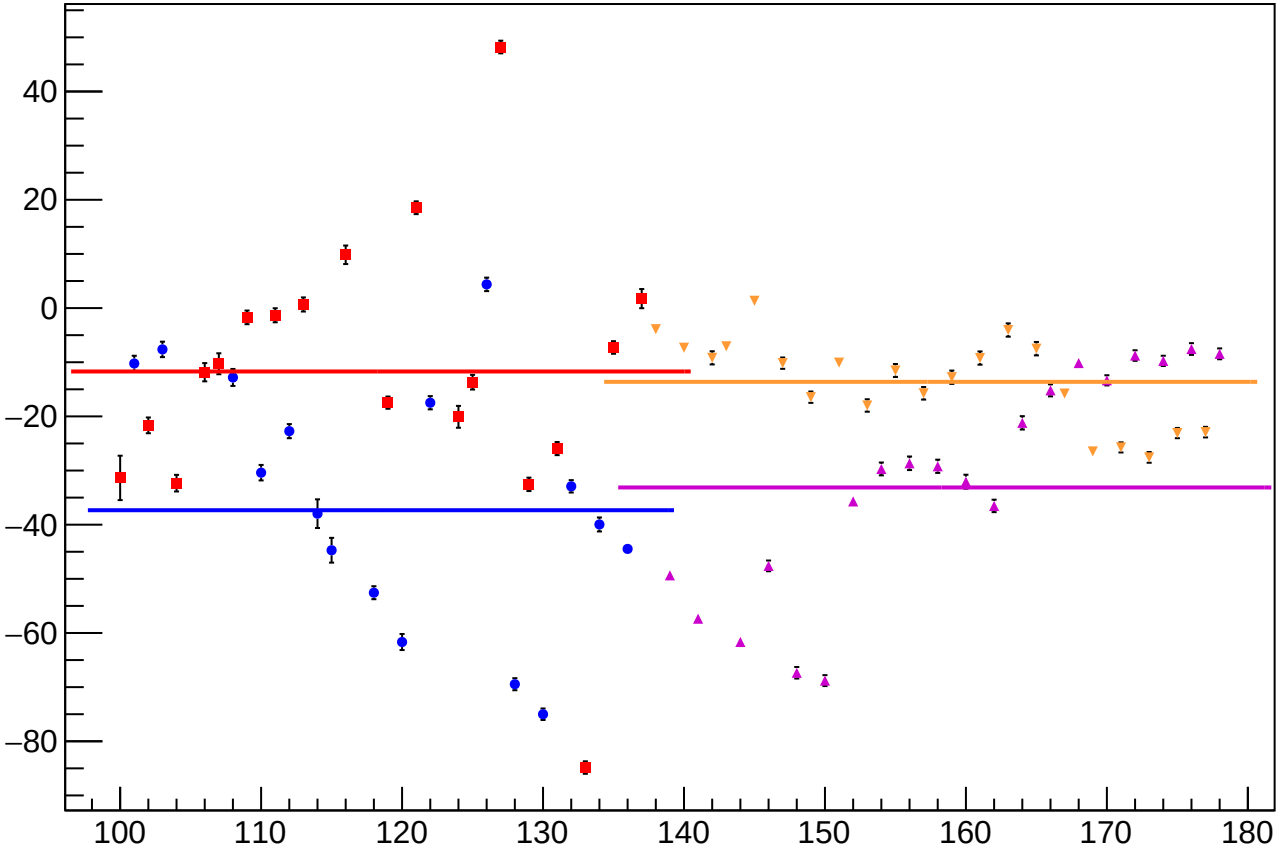
Left In: 896.975+/-0.158 χ^2/NDF:467812.0/19

+ sign 885.777+/-0.129 χ^2/NDF: 612221.5/36

All: 890.335+/-0.092 χ^2/NDF: 1190802.4/75

- sign 894.998+/-0.131 χ^2/NDF: 576060.2/38

diff_bpm2i02X_mean vs Slug



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -13.619+/-0.221 χ^2/NDF:1414.9/20

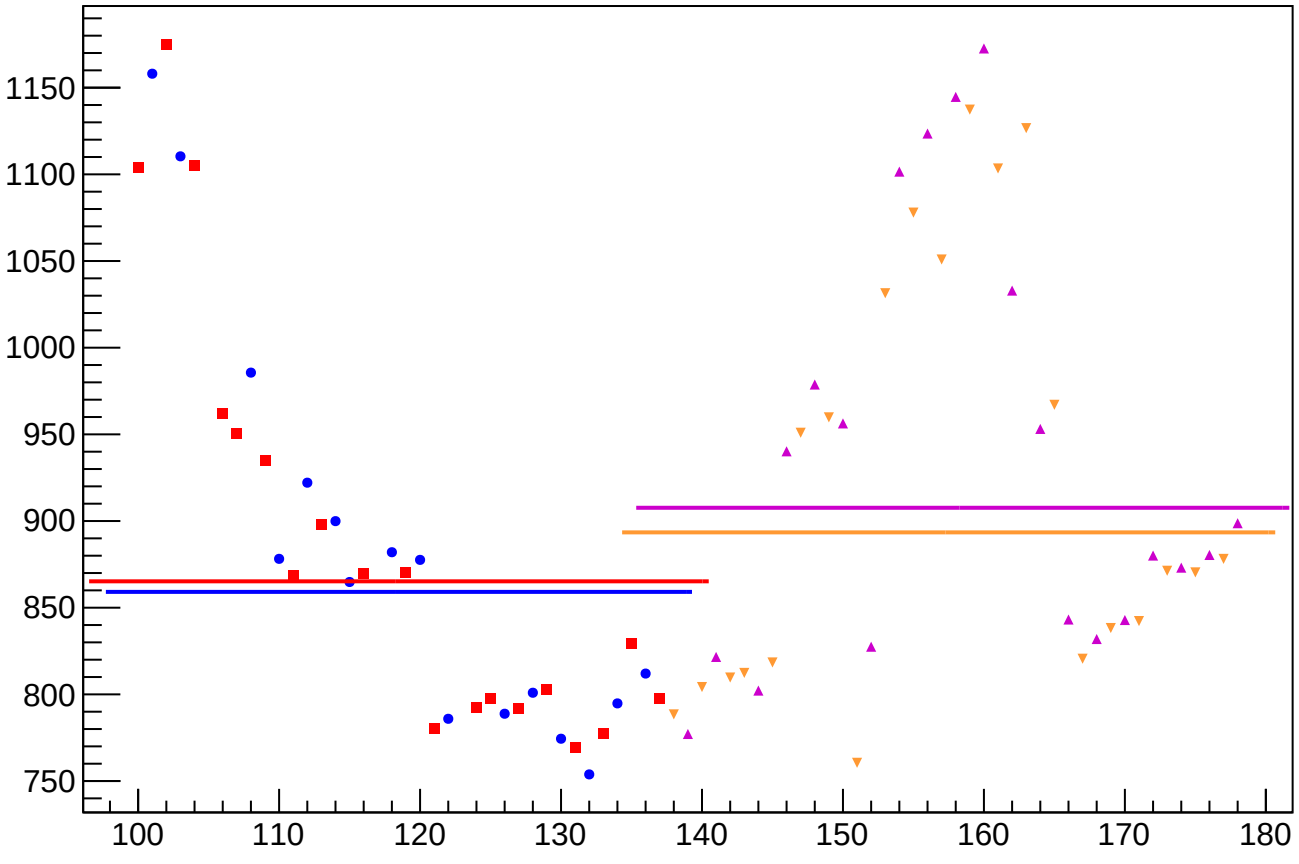
Right Out: -11.706+/-0.318 χ^2/NDF: 8463.6/18

Left In: -33.126+/-0.227 χ^2/NDF:8667.1/19

+ sign -21.224+/-0.182 χ^2/NDF: 10288.8/36

All: -23.531+/-0.130 χ^2/NDF: 30752.1/75

- sign -25.899+/-0.185 χ^2/NDF: 20138.7/38



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 893.454+/-0.156 χ^2/NDF:510489.1/20

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

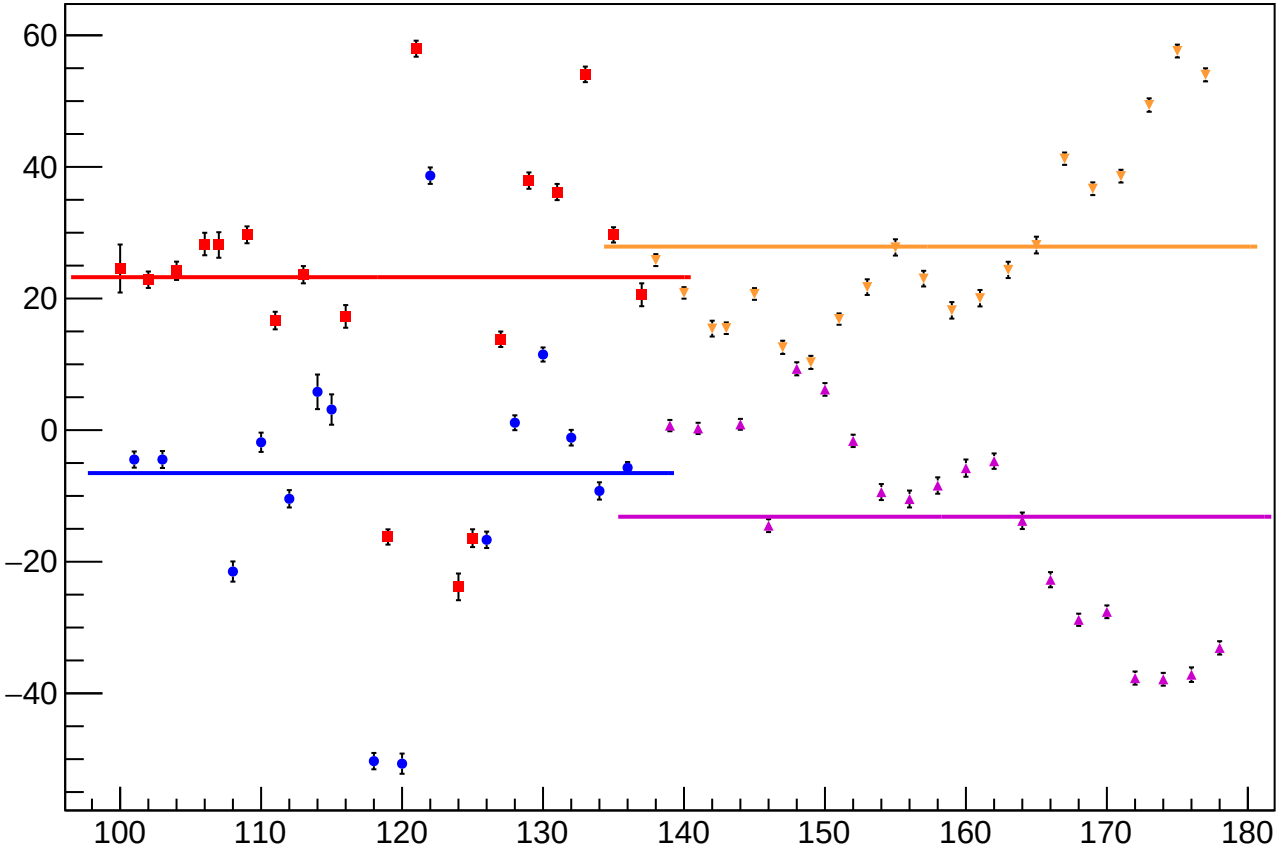
Left In: 907.647+/-0.160 χ^2/NDF:464354.6/19

+ sign 882.443+/-0.129 χ^2/NDF: 754664.2/36

All: 887.814+/-0.092 χ^2/NDF: 1469820.4/75

- sign 893.330+/-0.131 χ^2/NDF: 711633.8/38

diff_bpm2i02Y_mean vs Slug



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 27.888+/-0.224 χ^2/NDF:3758.0/20

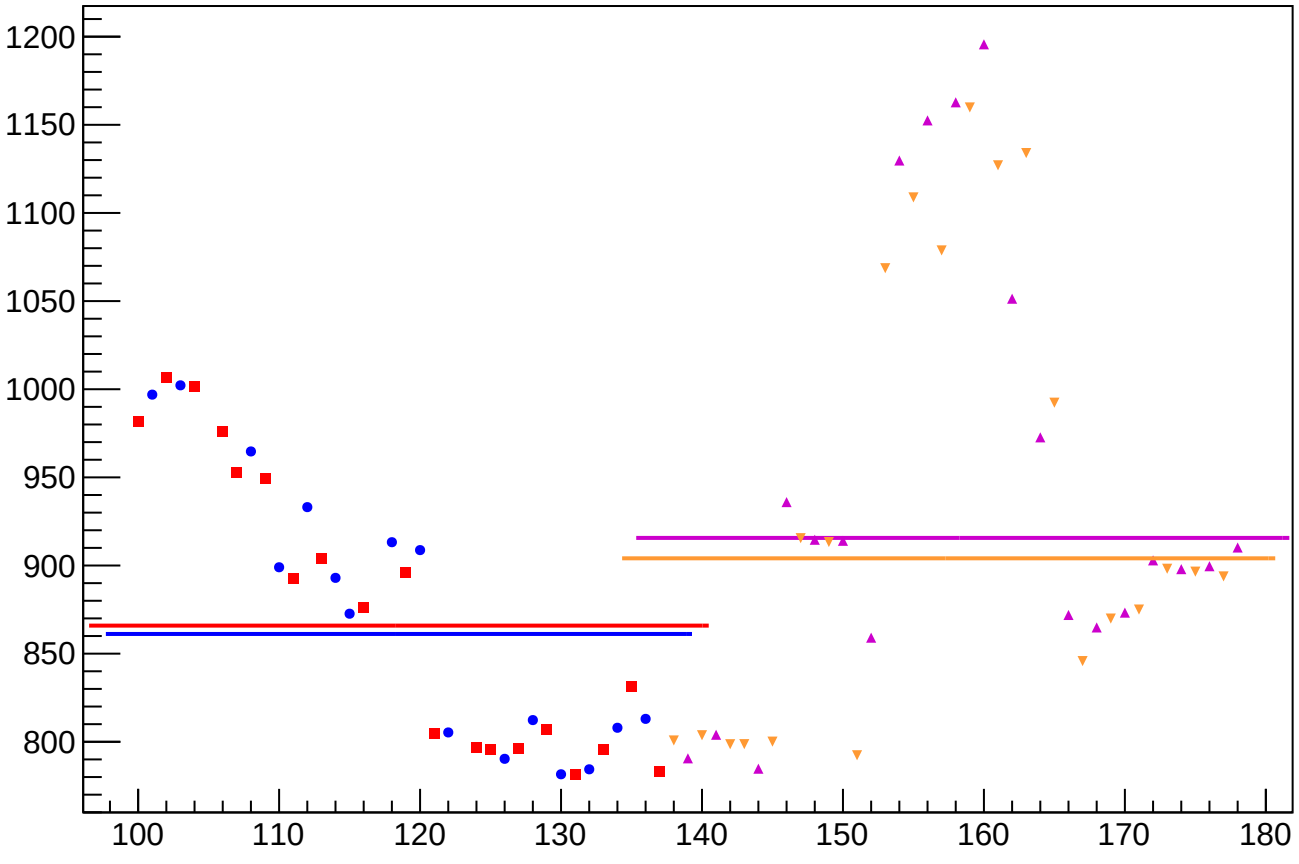
Right Out: 23.244+/-0.317 χ^2/NDF: 4470.0/18

Left In: -13.161+/-0.229 χ^2/NDF:4638.6/19

+ sign 16.645+/-0.184 χ^2/NDF: 15435.1/36

All: 8.069+/-0.130 χ^2/NDF: 37624.7/75

- sign -0.691+/-0.186 χ^2/NDF: 17778.3/38



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 904.081+/-0.158 χ^2/NDF:531266.7/20

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

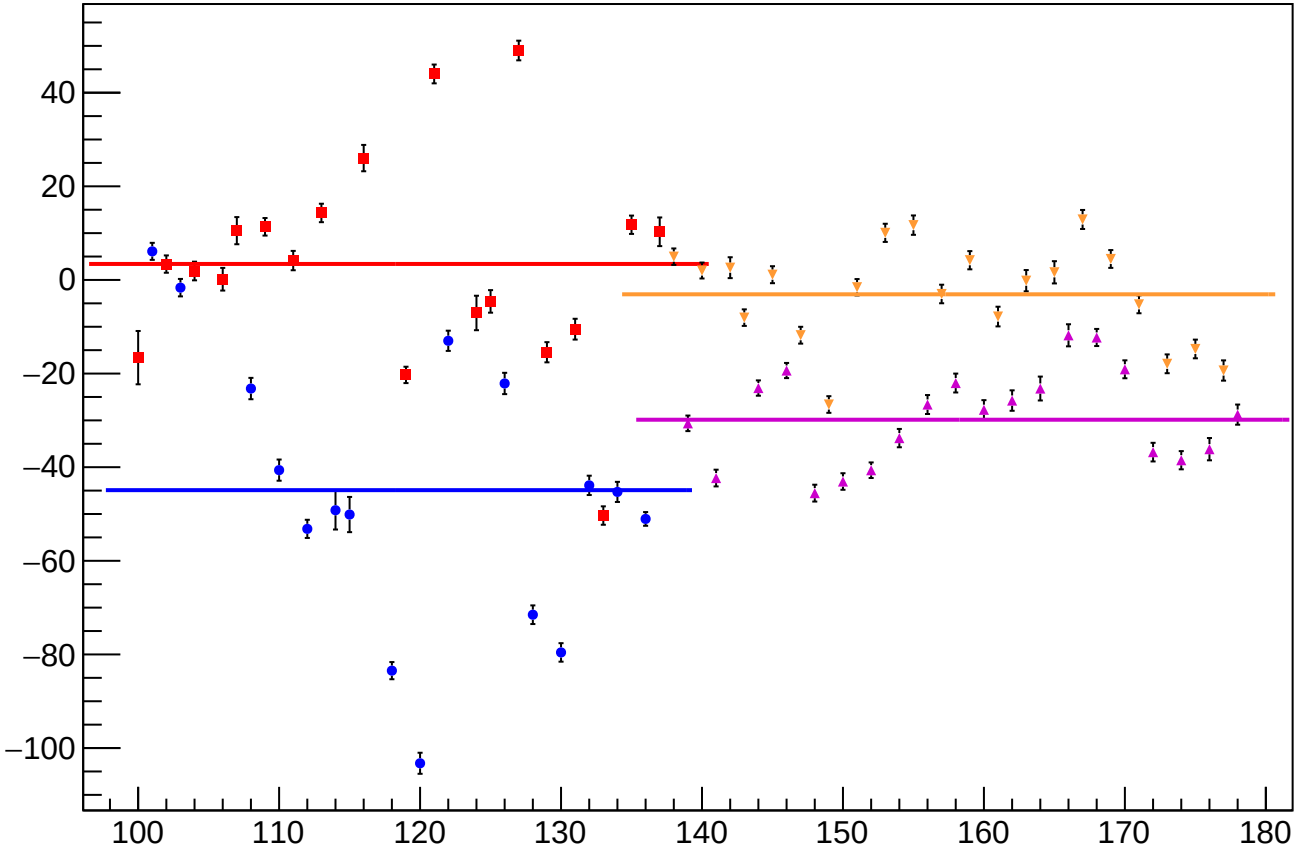
Left In: 915.659+/-0.162 χ^2/NDF:479832.7/19

+ sign 890.063+/-0.130 χ^2/NDF: 668833.0/36

All: 894.294+/-0.092 χ^2/NDF: 1301617.9/75

- sign 898.617+/-0.131 χ^2/NDF: 630636.4/38

diff_bpm0i02X_mean vs Slug



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: -3.068+/-0.424 χ^2/NDF:595.1/20

Right Out: 3.416+/-0.509 χ^2/NDF: 2102.1/18

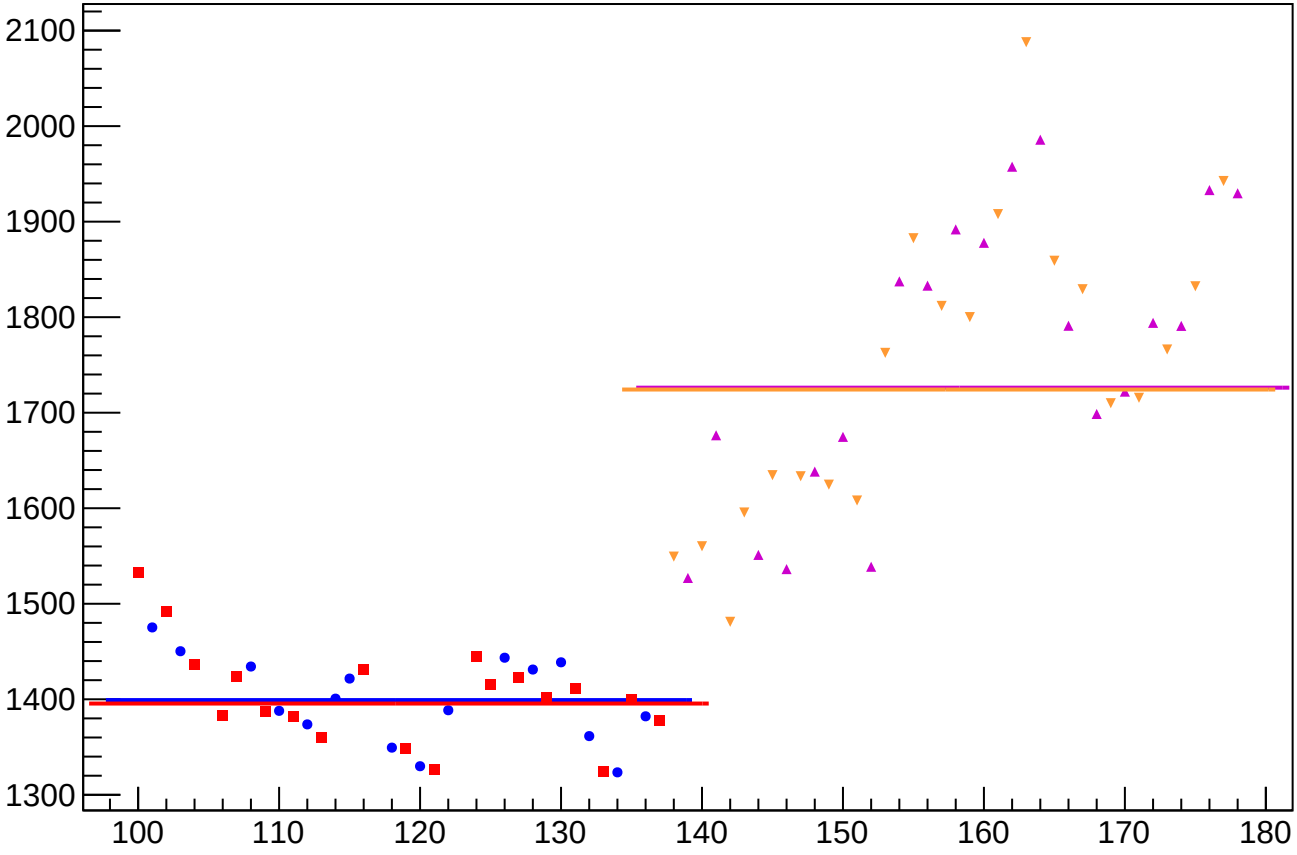
Left In: -29.860+/-0.429 χ^2/NDF:536.5/19

+ sign -19.769+/-0.328 χ^2/NDF: 7863.2/36

All: -17.904+/-0.232 χ^2/NDF: 13064.0/75

- sign -16.042+/-0.328 χ^2/NDF: 5136.3/38

diff_bpm0i02X_rms vs Slug



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1724.265+/-0.300 χ^2/NDF:222681.0/20

Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

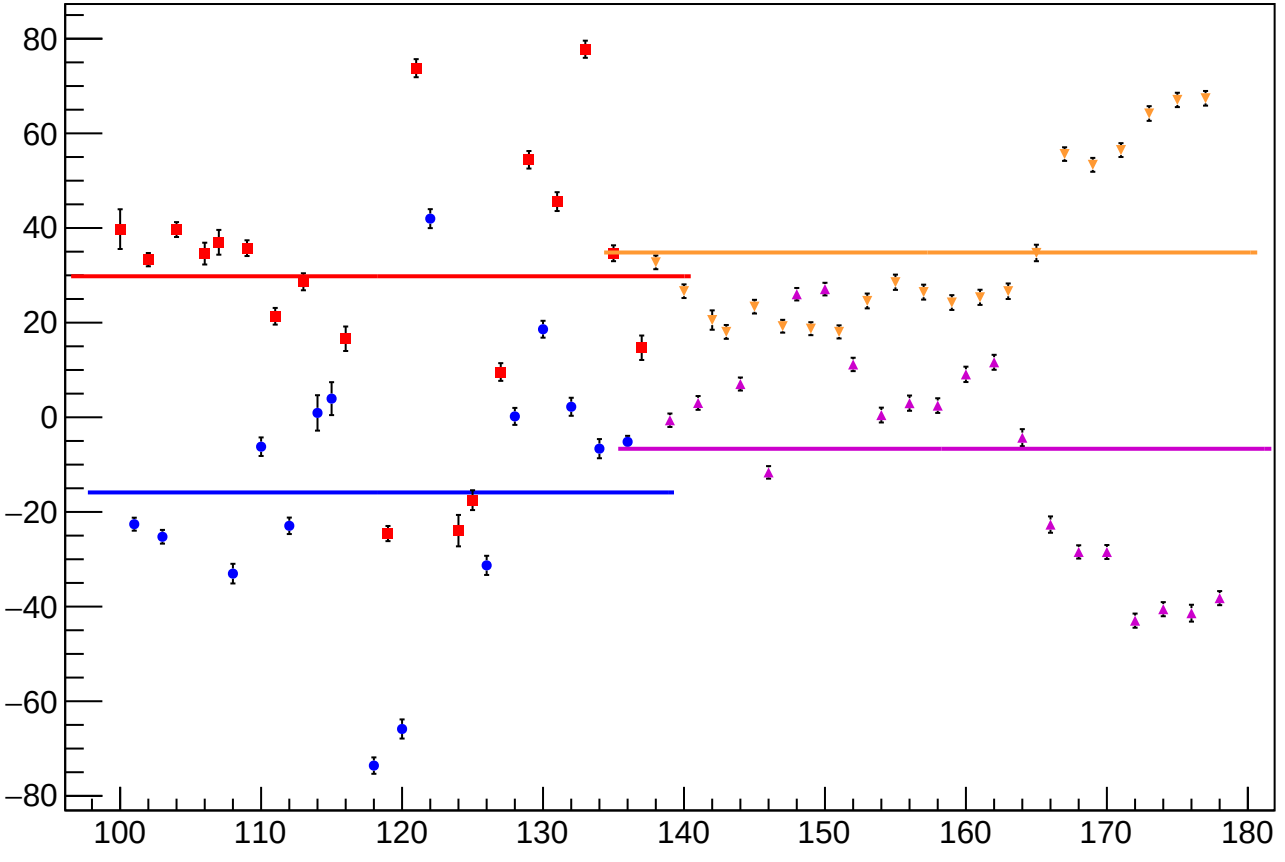
Left In: 1726.214+/-0.303 χ^2/NDF:231614.1/19

+ sign 1594.489+/-0.232 χ^2/NDF: 707356.5/36

All: 1591.693+/-0.164 χ^2/NDF: 1448764.7/75

- sign 1588.902+/-0.232 χ^2/NDF: 741118.6/38

diff_bpm0i02Y_mean vs Slug



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 34.826+/-0.332 χ^2/NDF:2720.9/20

Right Out: 29.801+/-0.444 χ^2/NDF: 3681.2/18

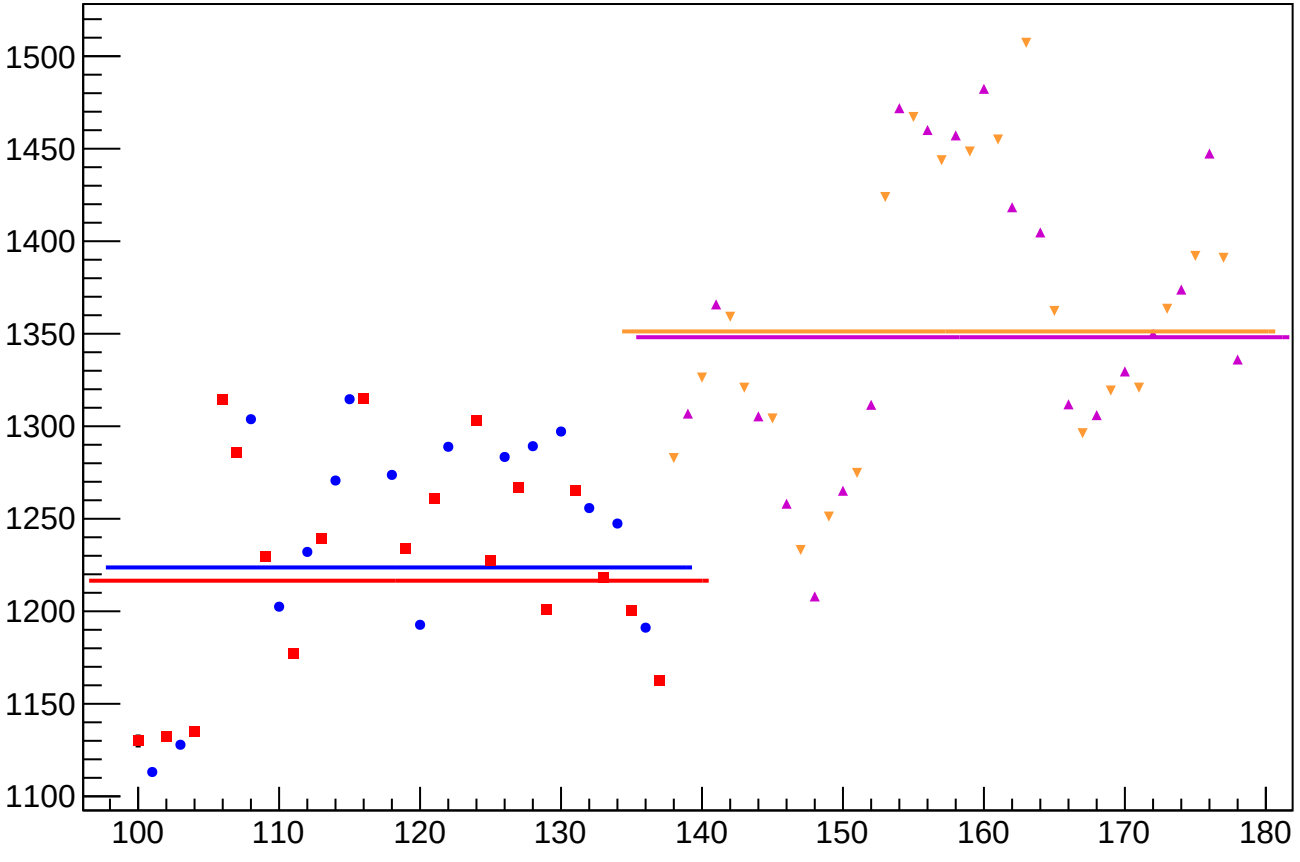
Left In: -6.653+/-0.334 χ^2/NDF:4384.0/19

+ sign 17.254+/-0.268 χ^2/NDF: 14304.6/36

All: 11.869+/-0.189 χ^2/NDF: 27472.8/75

- sign 6.519+/-0.267 χ^2/NDF: 12363.4/38

diff_bpm0i02Y_rms vs Slug



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1351.251+/-0.234 χ^2/NDF:103275.2/20

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

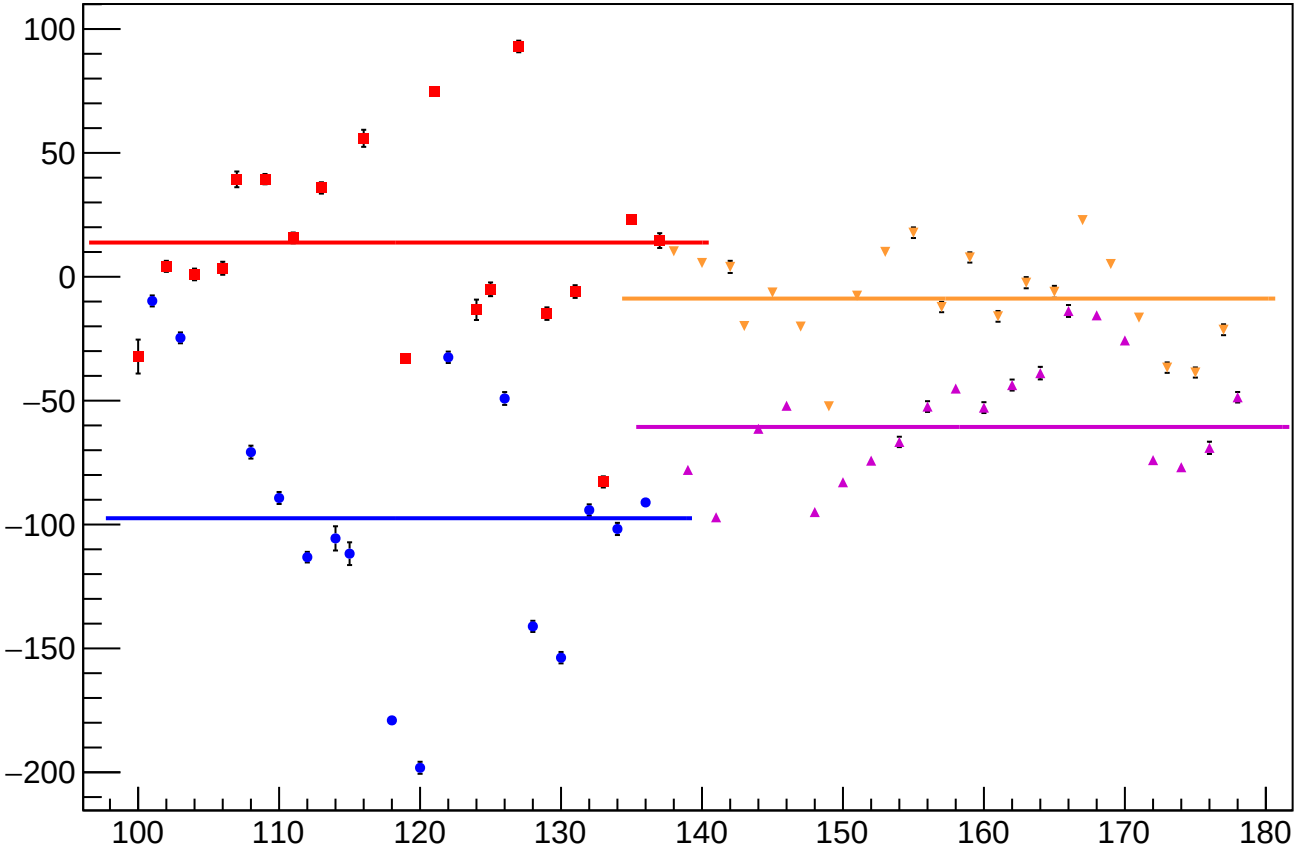
Left In: 1348.120+/-0.236 χ^2/NDF:106292.6/19

\+ sign 1307.047+/-0.190 χ^2/NDF: 246748.5/36

All: 1303.799+/-0.134 χ^2/NDF: 495017.7/75

\- sign 1300.572+/-0.189 χ^2/NDF: 247683.6/38

diff_bpm0i02aX_mean vs Slug



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -8.797+/-0.435 χ^2/NDF:1930.9/20

Right Out: 13.816+/-0.566 χ^2/NDF: 5352.2/18

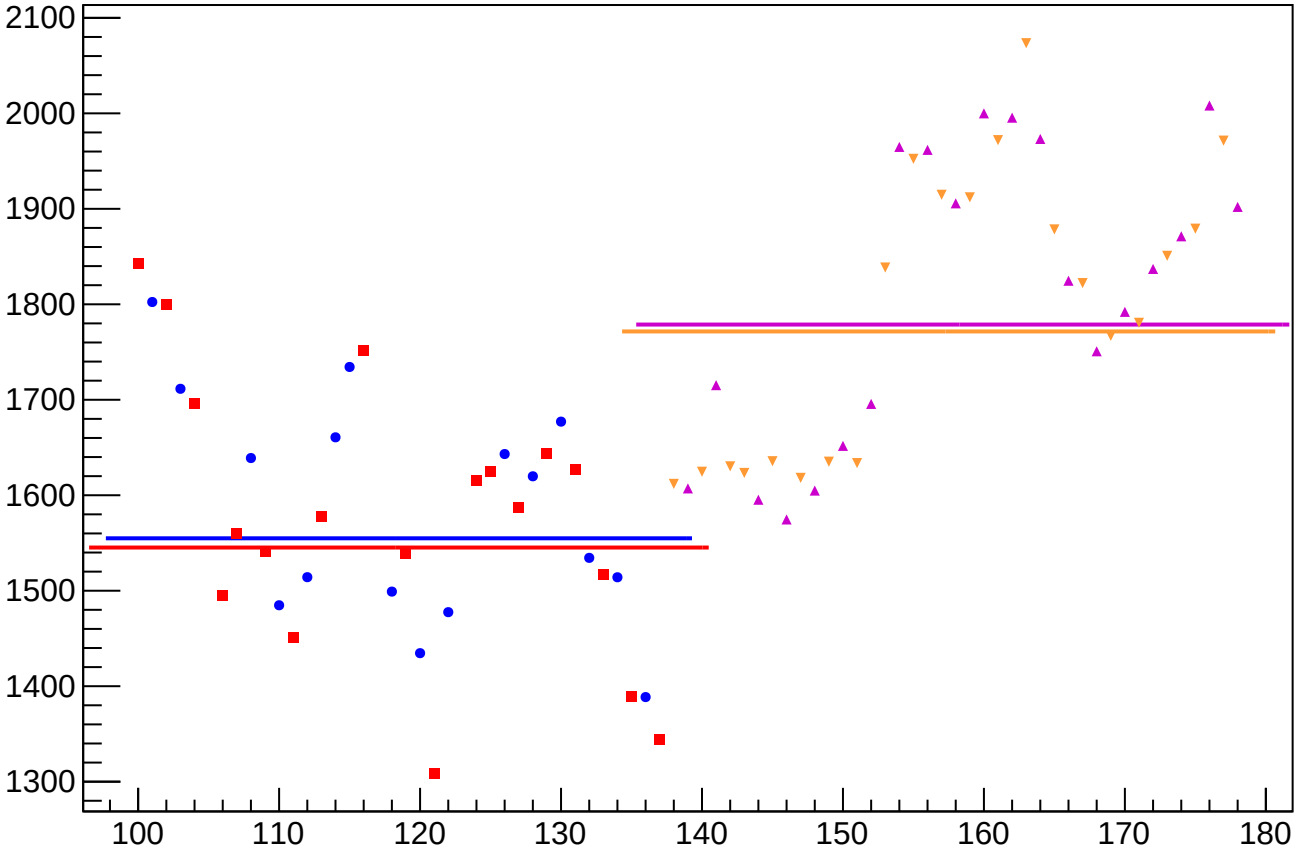
Left In: -60.609+/-0.442 χ^2/NDF:2759.7/19

\+ sign -40.801+/-0.348 χ^2/NDF: 25192.1/36

All: -36.603+/-0.246 χ^2/NDF: 44344.8/75

\- sign -32.402+/-0.348 χ^2/NDF: 18861.8/38

diff_bpm0i02aX_rms vs Slug



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1771.566+/-0.308 χ^2/NDF:216731.2/20

Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

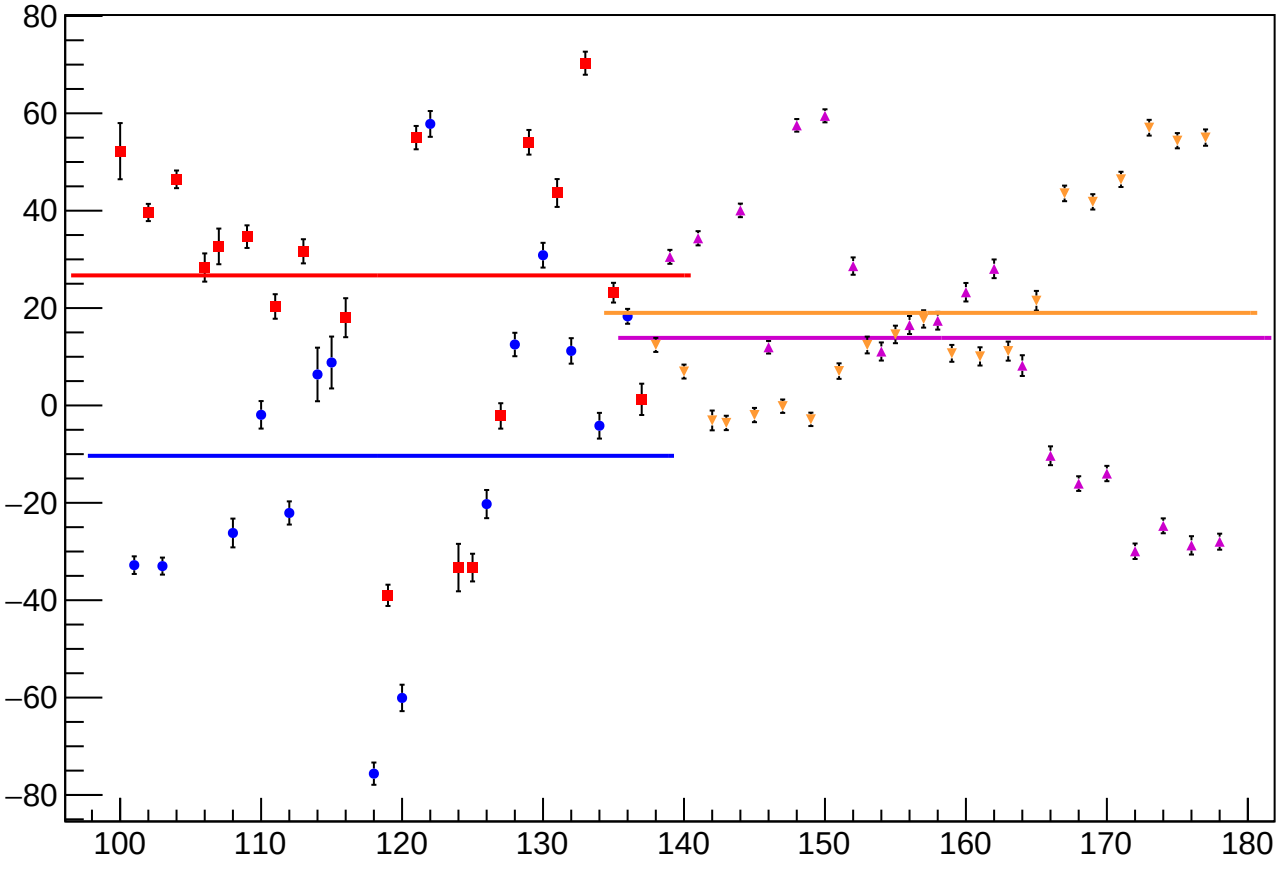
Left In: 1778.780+/-0.312 χ^2/NDF:230093.9/19

+ sign 1693.356+/-0.246 χ^2/NDF: 483340.4/36

All: 1691.812+/-0.174 χ^2/NDF: 1034003.2/75

- sign 1690.268+/-0.246 χ^2/NDF: 550584.1/38

diff_bpm0i02aY_mean vs Slug



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 19.013+/-0.353 χ^2/NDF:3511.2/20

Right Out: 26.709+/-0.586 χ^2/NDF: 2540.7/18

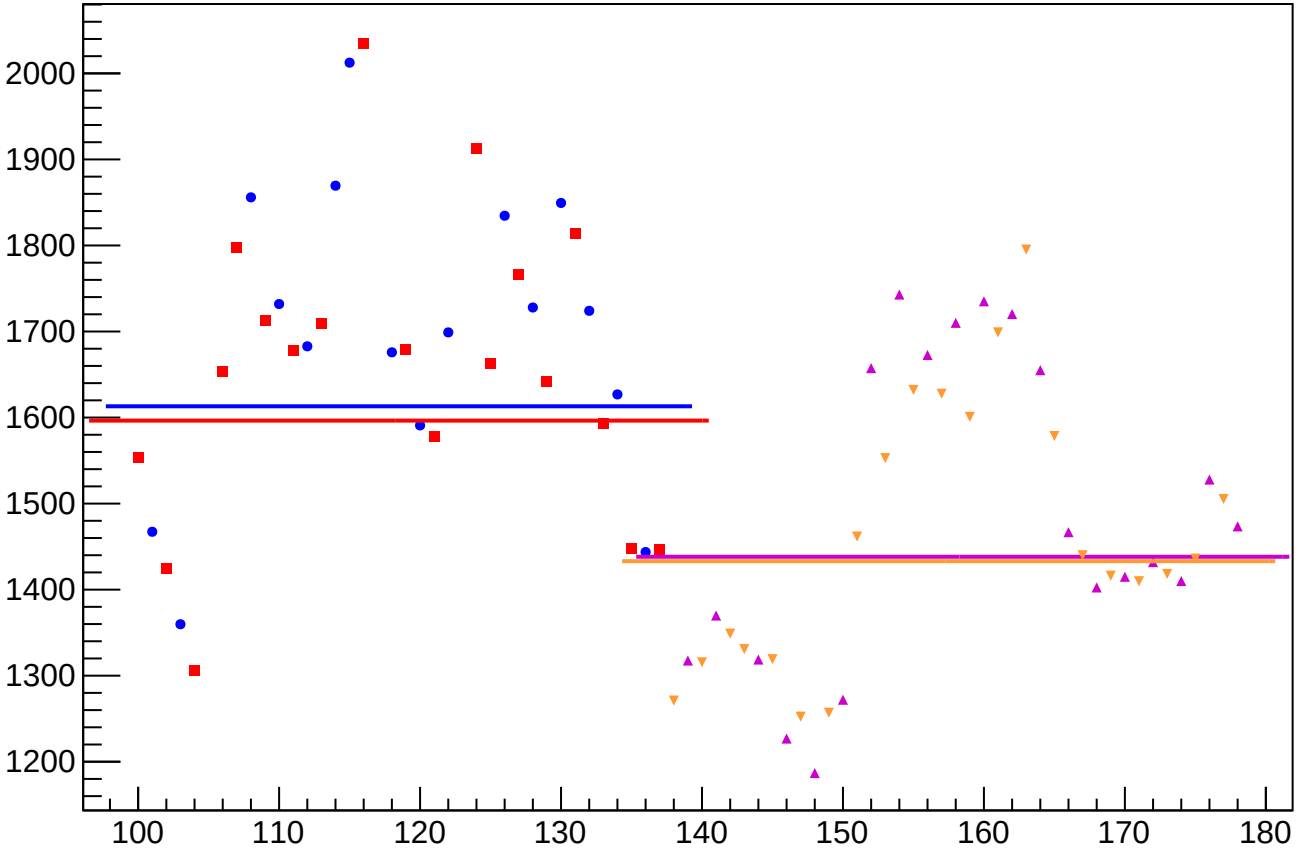
Left In: 13.875+/-0.359 χ^2/NDF:6555.8/19

+ sign 11.517+/-0.305 χ^2/NDF: 8282.5/36

All: 14.432+/-0.216 χ^2/NDF: 17911.4/75

- sign 17.372+/-0.306 χ^2/NDF: 9445.1/38

diff_bpm0i02aY_rms vs Slug



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1433.074+/-0.250 χ^2/NDF:332276.6/20

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

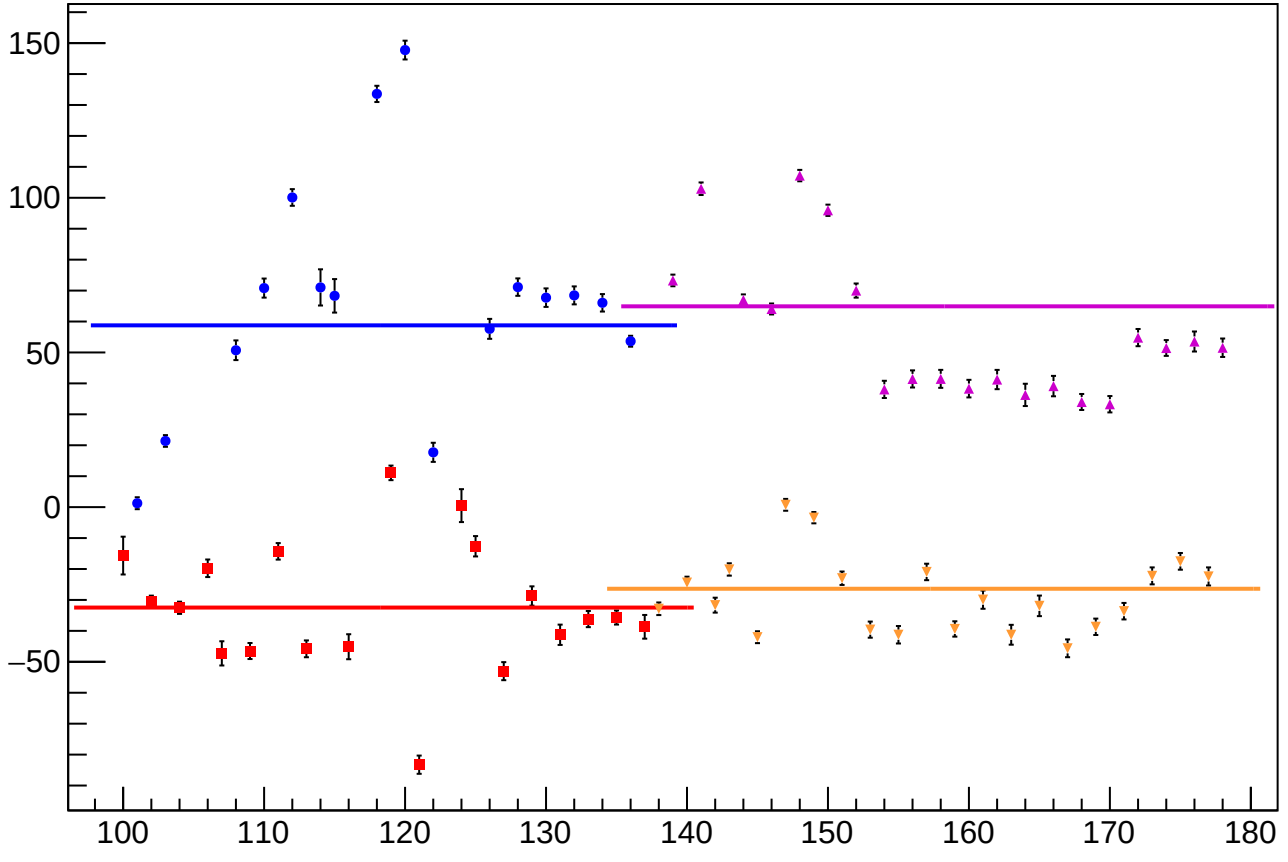
Left In: 1438.200+/-0.254 χ^2/NDF:473599.4/19

+ sign 1479.041+/-0.216 χ^2/NDF: 619665.0/36

All: 1480.174+/-0.153 χ^2/NDF: 1360007.8/75

- sign 1481.317+/-0.216 χ^2/NDF: 740287.3/38

diff_bpm0i05X_mean vs Slug



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -26.387+/-0.523 χ^2/NDF:652.3/20

Right Out: -32.467+/-0.648 χ^2/NDF: 930.8/18

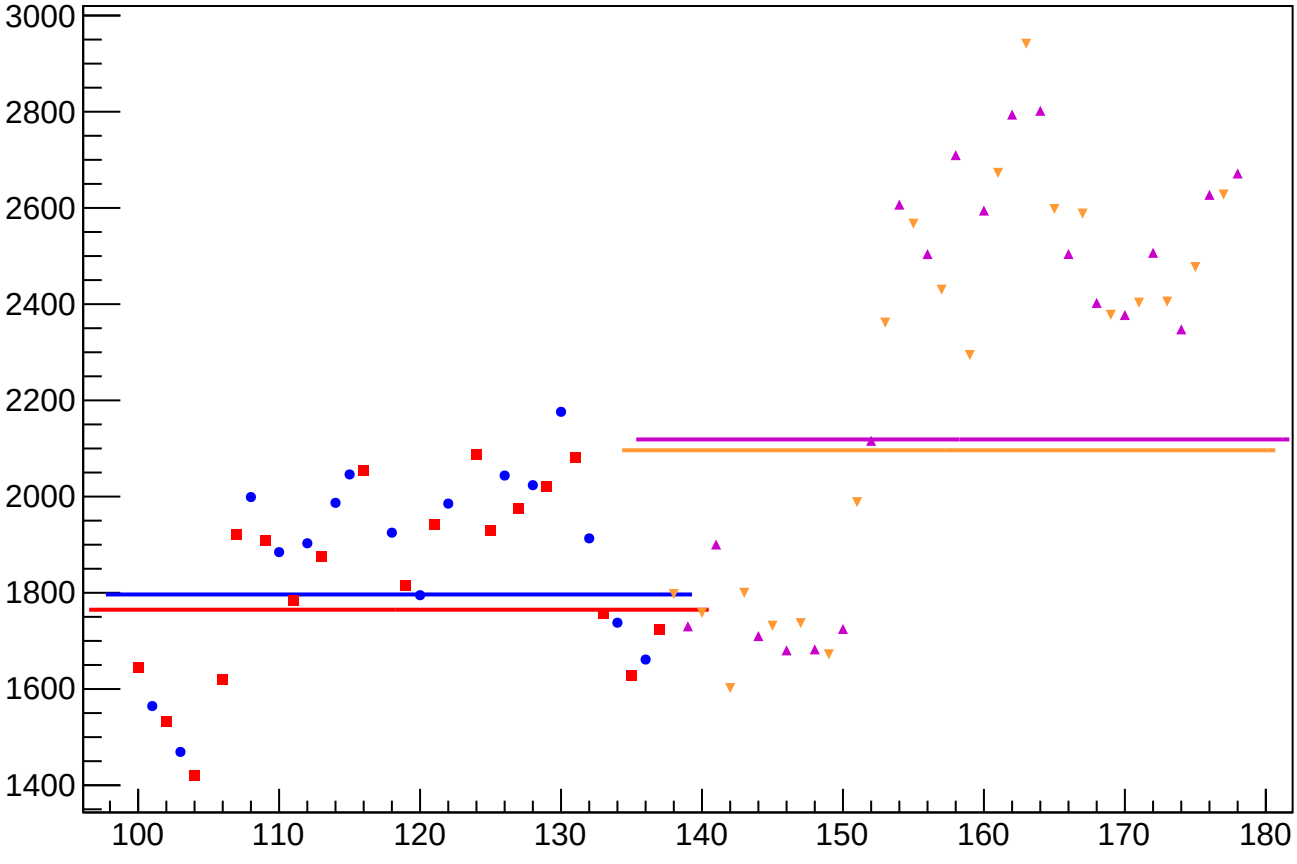
Left In: 64.911+/-0.535 χ^2/NDF:2053.1/19

+ sign 5.693+/-0.413 χ^2/NDF: 14088.5/36

All: 15.586+/-0.292 χ^2/NDF: 31639.6/75

- sign 25.474+/-0.413 χ^2/NDF: 16402.5/38

diff_bpm0i05X_rms vs Slug



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 2096.318+/-0.370 χ^2/NDF:1107532.3/20

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

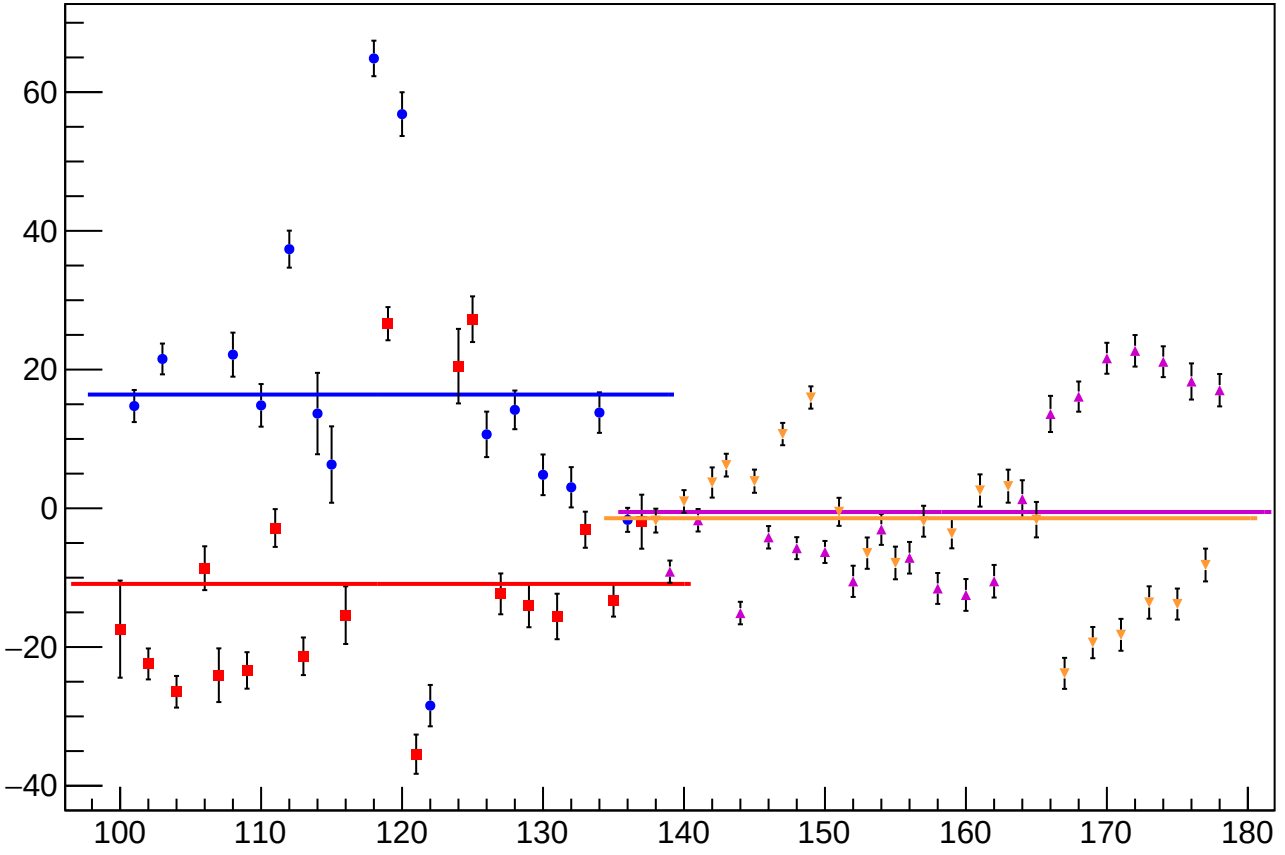
Left In: 2118.772+/-0.378 χ^2/NDF:1187520.9/19

+ sign 1983.381+/-0.292 χ^2/NDF: 1548403.6/36

All: 1979.410+/-0.206 χ^2/NDF: 3280774.7/75

- sign 1975.441+/-0.292 χ^2/NDF: 1732001.0/38

diff_bpm0i05Y_mean vs Slug



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: -1.429+/-0.441 χ^2/NDF:517.6/20

Right Out: -10.899+/-0.676 χ^2/NDF: 641.7/18

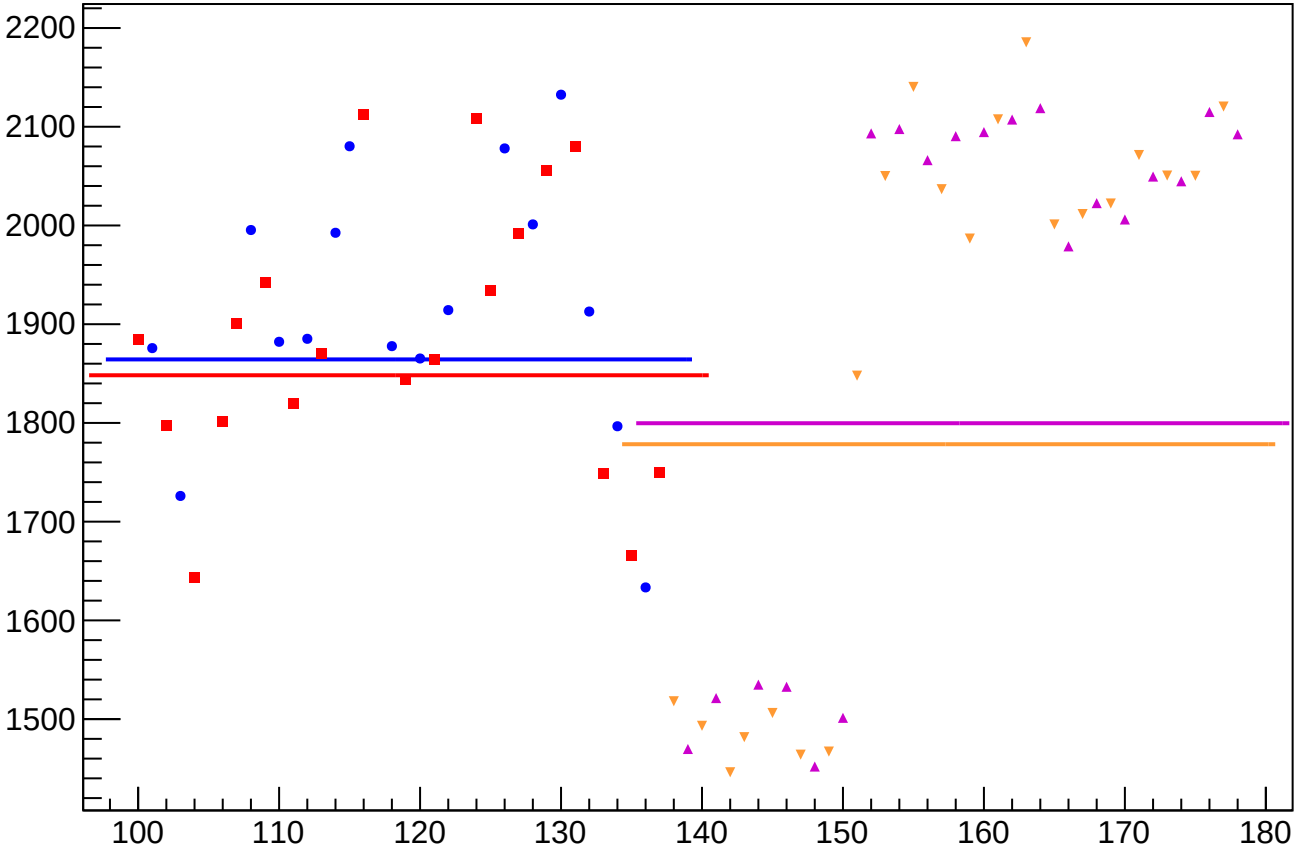
Left In: -0.534+/-0.451 χ^2/NDF:733.6/19

+ sign 3.695+/-0.373 χ^2/NDF: 1959.5/36

All: 0.011+/-0.264 χ^2/NDF: 3694.3/75

- sign -3.725+/-0.375 χ^2/NDF: 1537.9/38

diff_bpm0i05Y_rms vs Slug



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1778.437+/-0.312 χ^2/NDF:838209.2/20

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

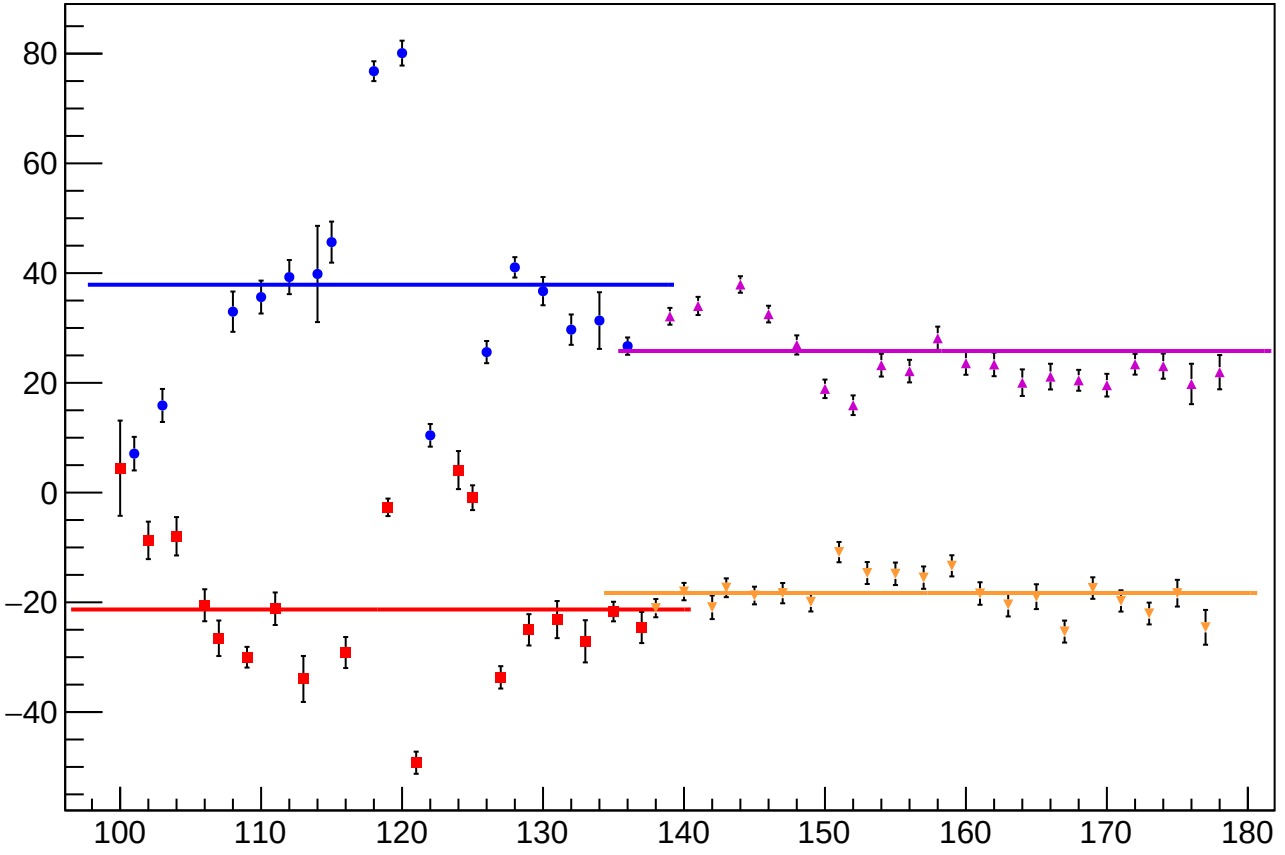
Left In: 1799.697+/-0.319 χ^2/NDF:801897.5/19

+ sign 1803.125+/-0.263 χ^2/NDF: 943292.9/36

All: 1808.849+/-0.187 χ^2/NDF: 1828243.9/75

- sign 1814.656+/-0.265 χ^2/NDF: 884000.0/38

diff_bpm0i07X_mean vs Slug



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -18.298+/-0.425 χ^2/NDF:57.9/20

Right Out: -21.306+/-0.593 χ^2/NDF: 582.6/18

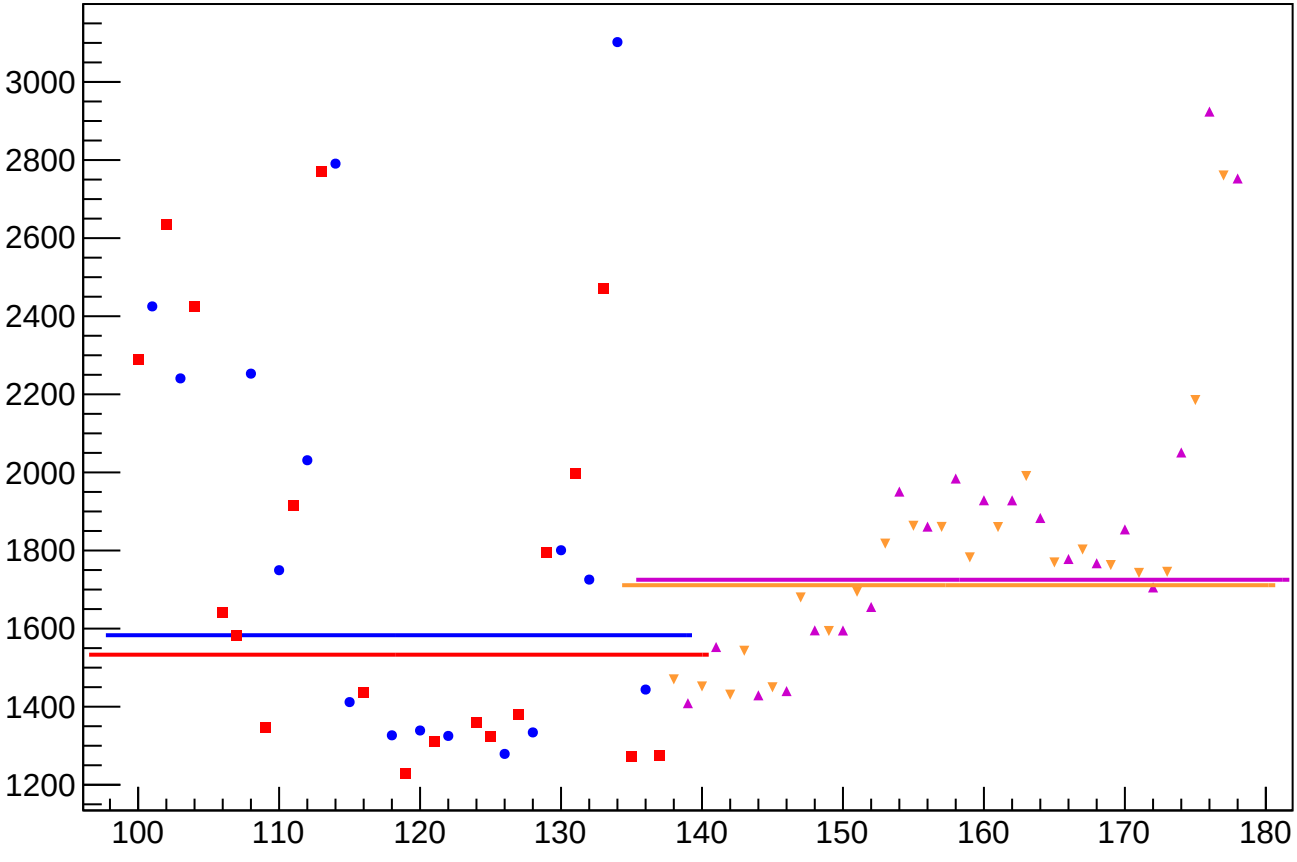
Left In: 25.805+/-0.435 χ^2/NDF:215.5/19

\+ sign -0.459+/-0.351 χ^2/NDF: 6868.4/36

All: 4.438+/-0.248 χ^2/NDF: 12161.6/75

\- sign 9.331+/-0.351 χ^2/NDF: 4903.6/38

diff_bpm0i07X_rms vs Slug



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1711.131+/-0.300 χ^2/NDF:587389.7/20

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

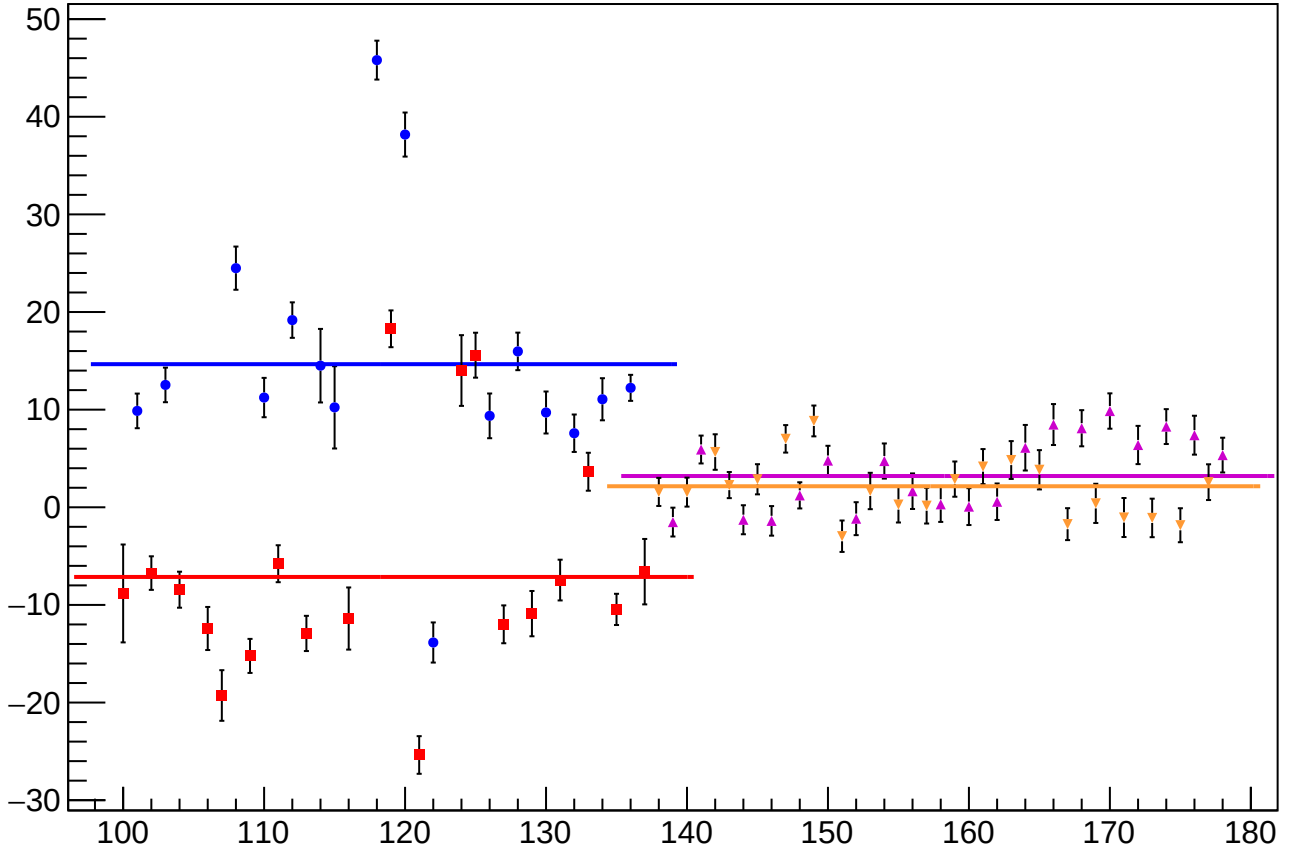
Left In: 1725.099+/-0.307 χ^2/NDF:865872.5/19

+ sign 1670.458+/-0.248 χ^2/NDF: 1432869.0/36

All: 1664.223+/-0.175 χ^2/NDF: 3387032.3/75

- sign 1657.992+/-0.248 χ^2/NDF: 1952899.5/38

diff_bpm0i07Y_mean vs Slug



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 2.154+/-0.371 χ^2/NDF:67.5/20

Right Out: -7.135+/-0.483 χ^2/NDF: 509.4/18

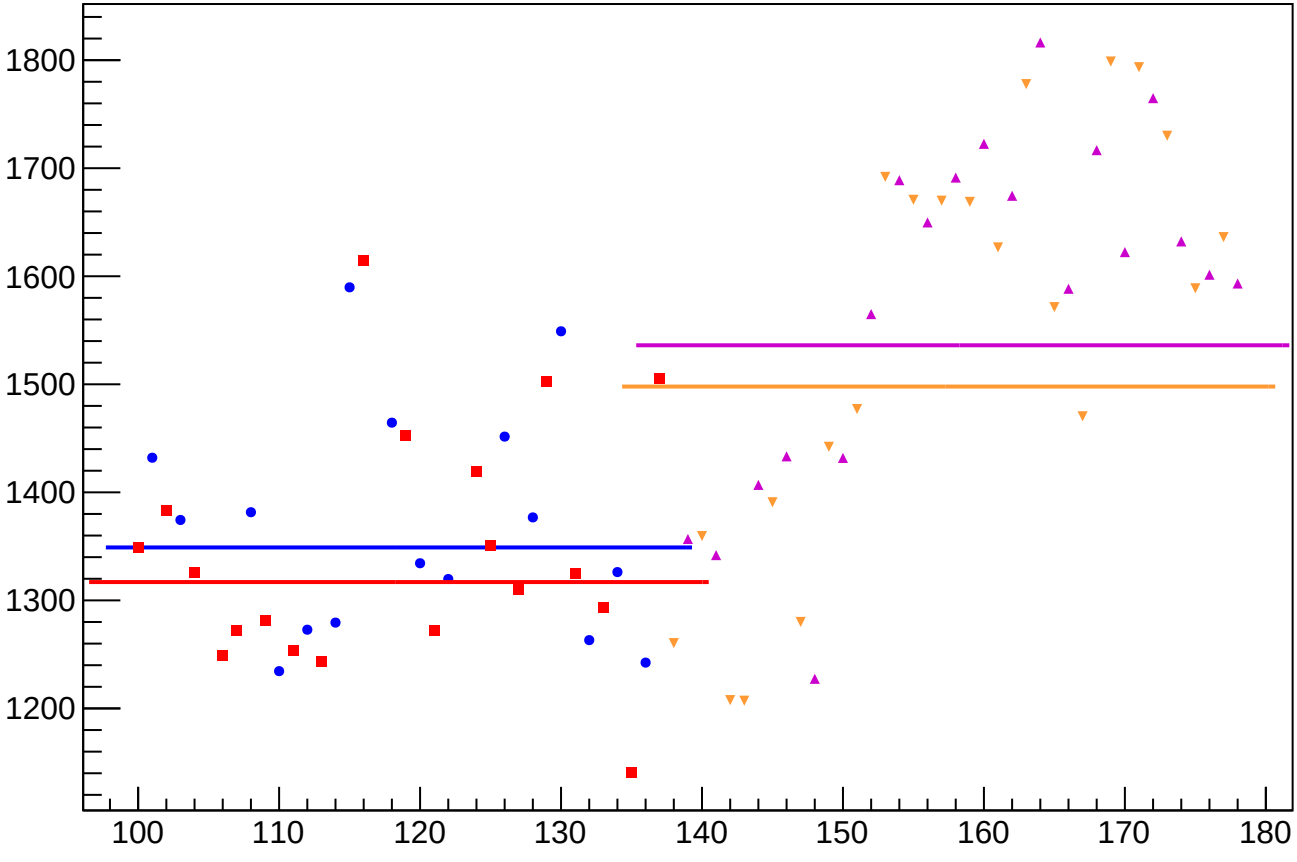
Left In: 3.203+/-0.383 χ^2/NDF:95.8/19

+ sign 6.537+/-0.299 χ^2/NDF: 1081.3/36

All: 2.893+/-0.212 χ^2/NDF: 2266.7/75

- sign -0.786+/-0.300 χ^2/NDF: 886.3/38

diff_bpm0i07Y_rms vs Slug



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1497.898+/-0.262 χ^2/NDF:541071.6/20

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

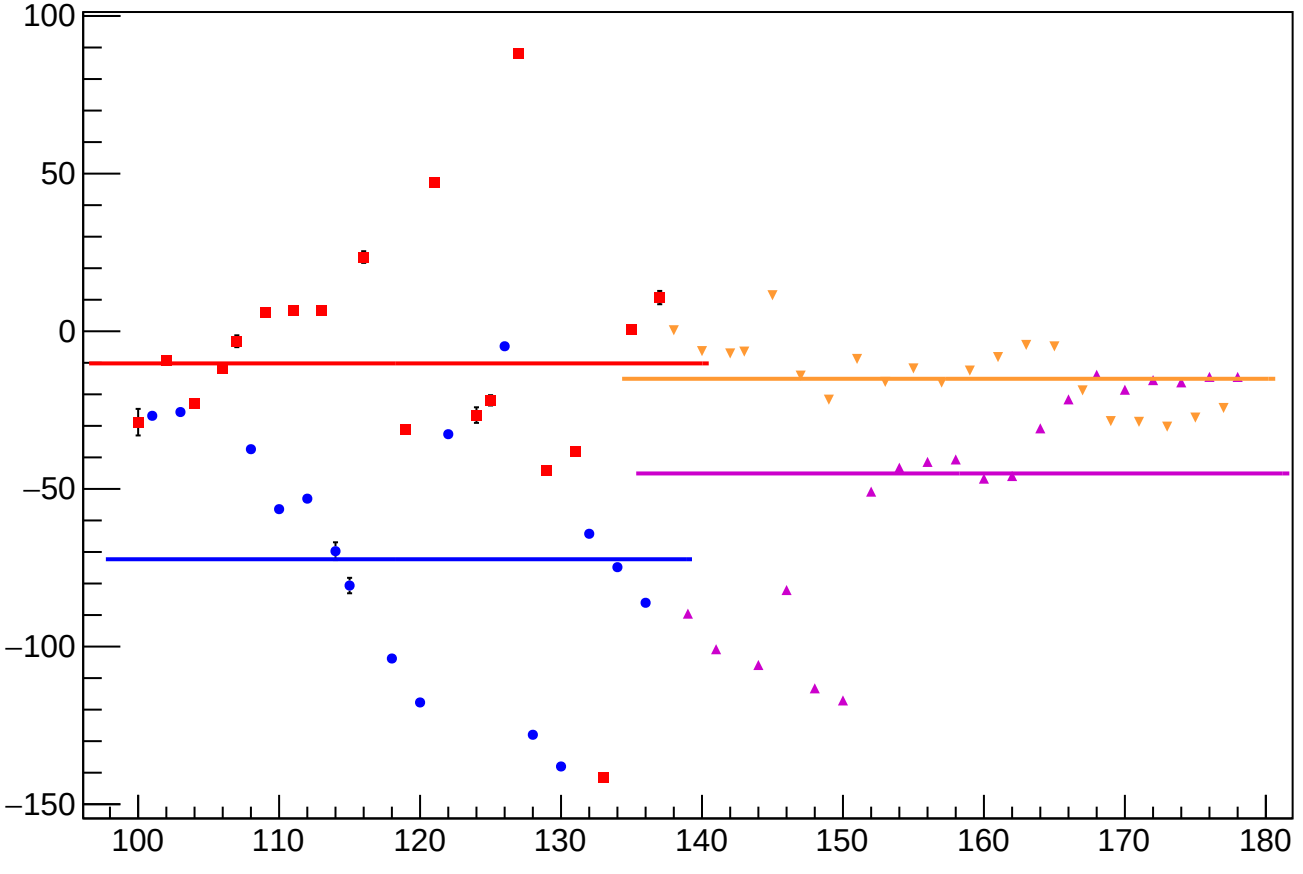
Left In: 1536.102+/-0.271 χ^2/NDF:365401.9/19

+ sign 1445.711+/-0.211 χ^2/NDF: 722611.7/36

All: 1448.611+/-0.150 χ^2/NDF: 1427913.5/75

- sign 1451.539+/-0.212 χ^2/NDF: 704922.8/38

diff_bpm1i02X_mean vs Slug



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -15.067+/-0.199 χ^2/NDF:2781.1/20

Right Out: -10.188+/-0.345 χ^2/NDF: 19045.9/18

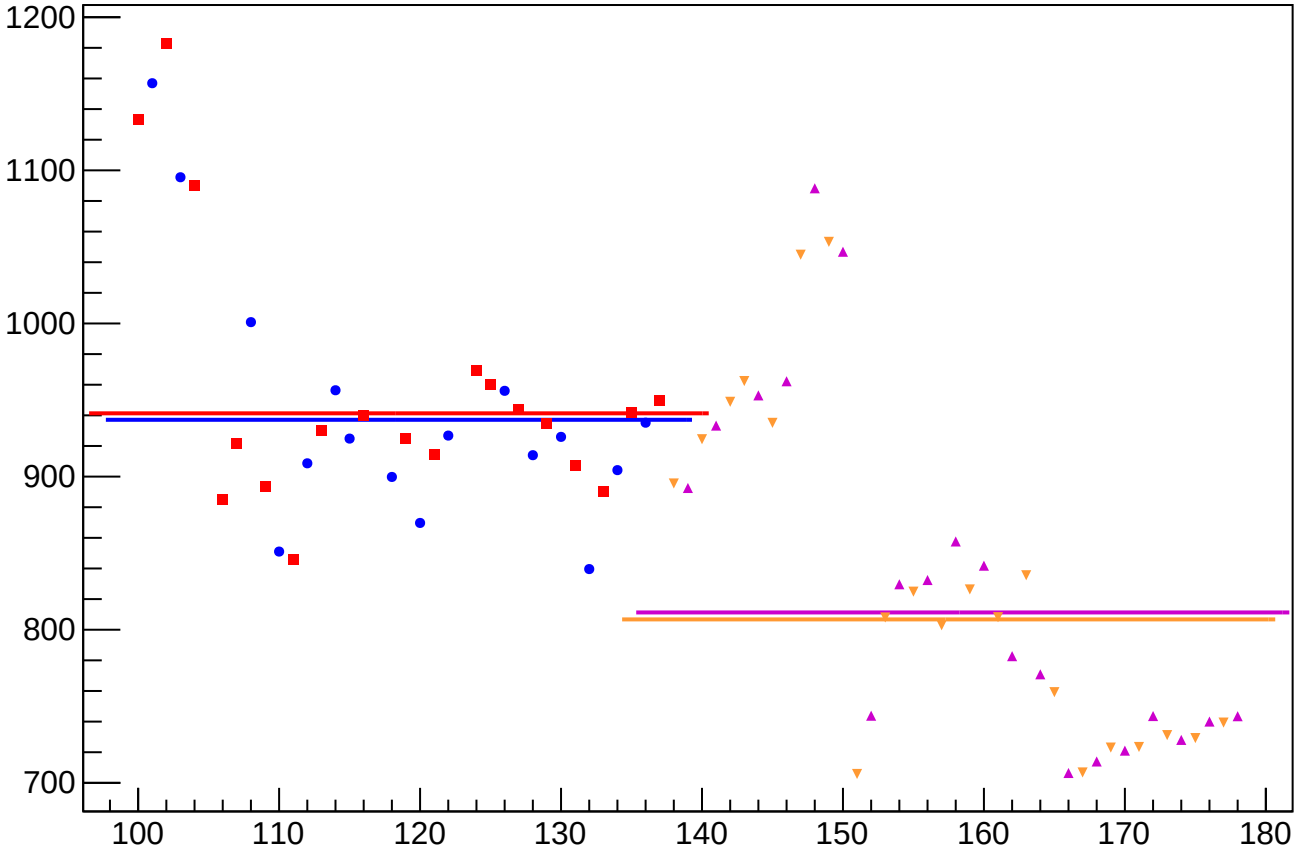
Left In: -45.093+/-0.202 χ^2/NDF:26598.5/19

+ sign -29.096+/-0.173 χ^2/NDF: 35186.7/36

All: -32.586+/-0.123 χ^2/NDF: 89282.2/75

- sign -36.137+/-0.175 χ^2/NDF: 53274.4/38

diff_bpm1i02X_rms vs Slug



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 806.738+/-0.141 χ^2/NDF:480867.8/20

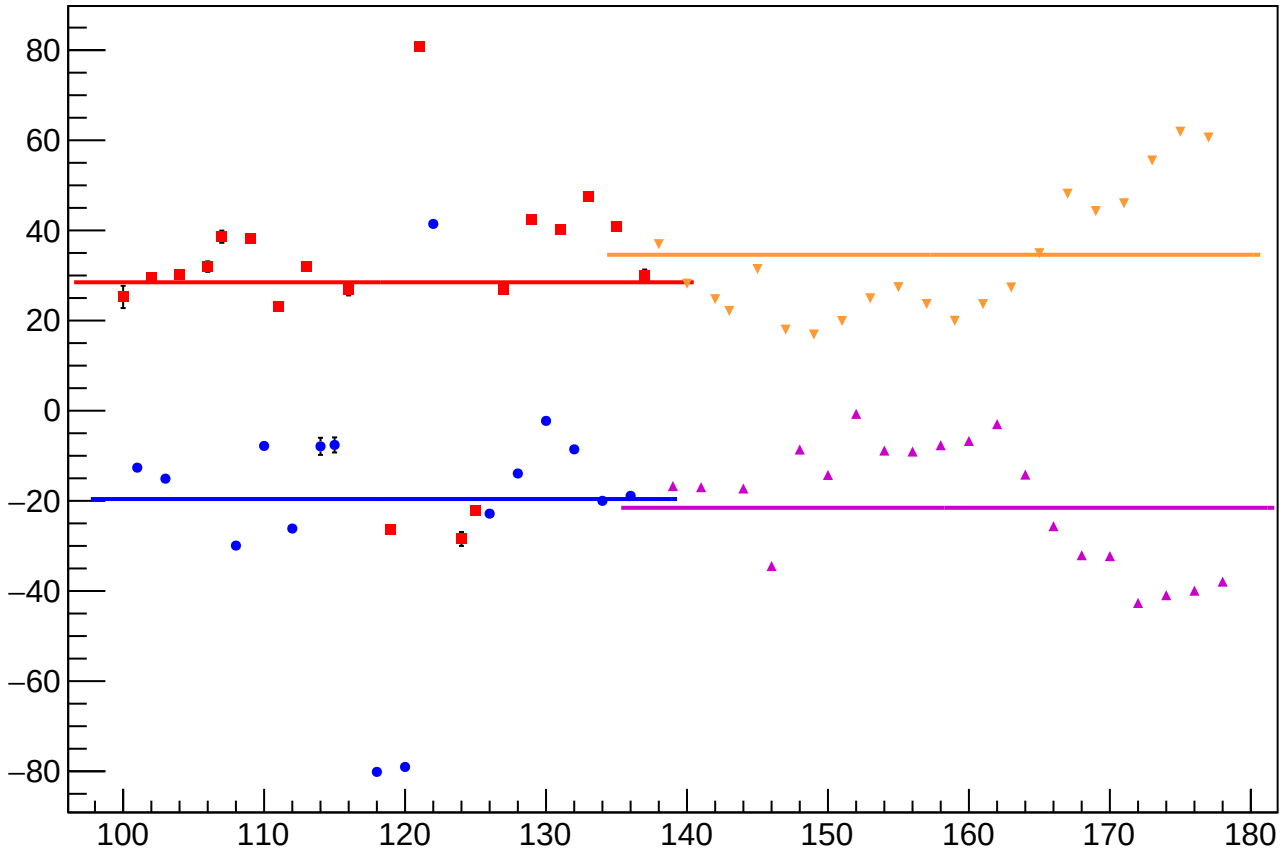
Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

Left In: 811.289+/-0.143 χ^2/NDF:500967.5/19

\+ sign 838.688+/-0.122 χ^2/NDF: 795627.1/36

All: 841.644+/-0.087 χ^2/NDF: 1610596.9/75

\- sign 844.652+/-0.123 χ^2/NDF: 813791.9/38



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 34.604+/-0.157 χ^2/NDF:8366.6/20

Right Out: 28.496+/-0.230 χ^2/NDF: 12971.2/18

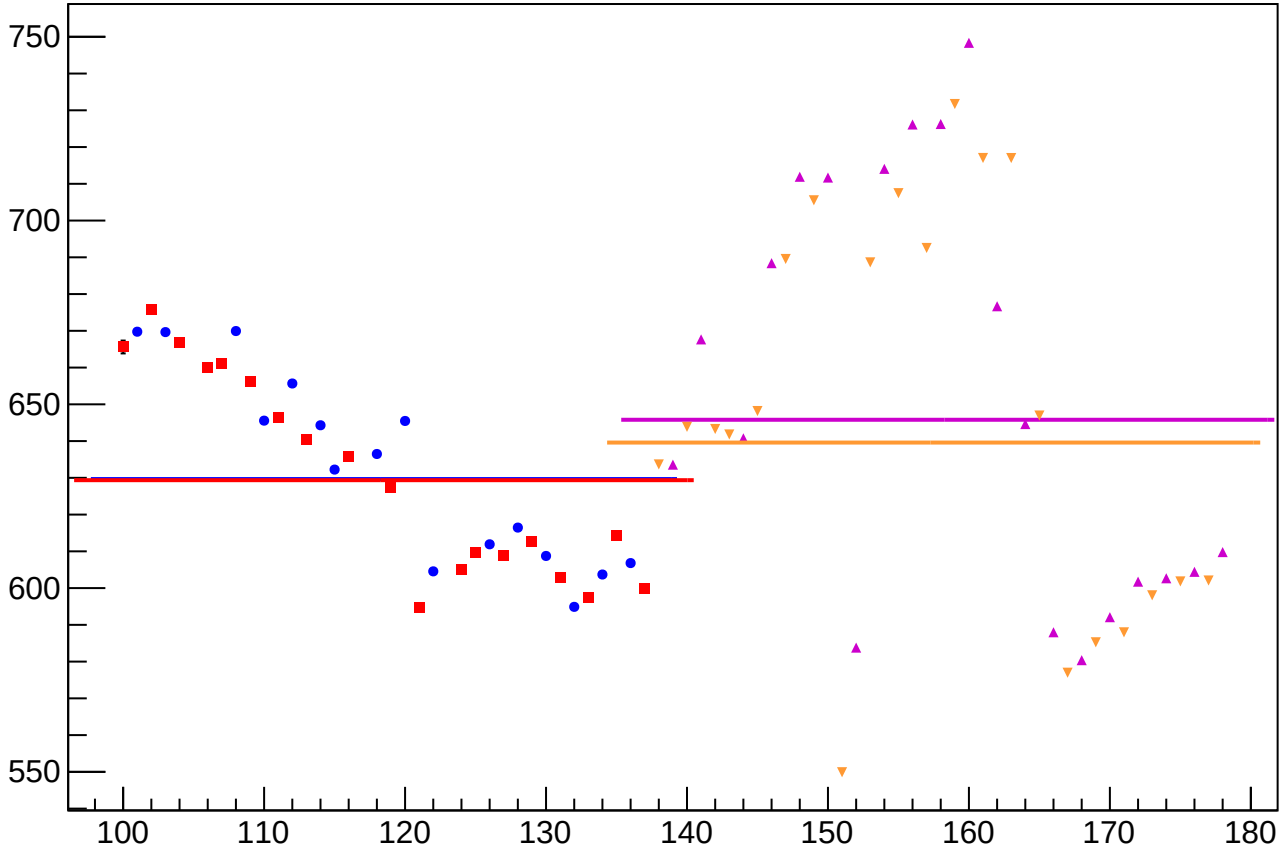
Left In: -21.537+/-0.161 χ^2/NDF:7395.5/19

+ sign 17.734+/-0.131 χ^2/NDF: 58471.3/36

All: 6.394+/-0.093 χ^2/NDF: 125917.7/75

- sign -5.118+/-0.132 χ^2/NDF: 52248.9/38

diff_bpm1i02Y_rms vs Slug



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 639.597+/-0.111 χ^2/NDF:233680.9/20

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

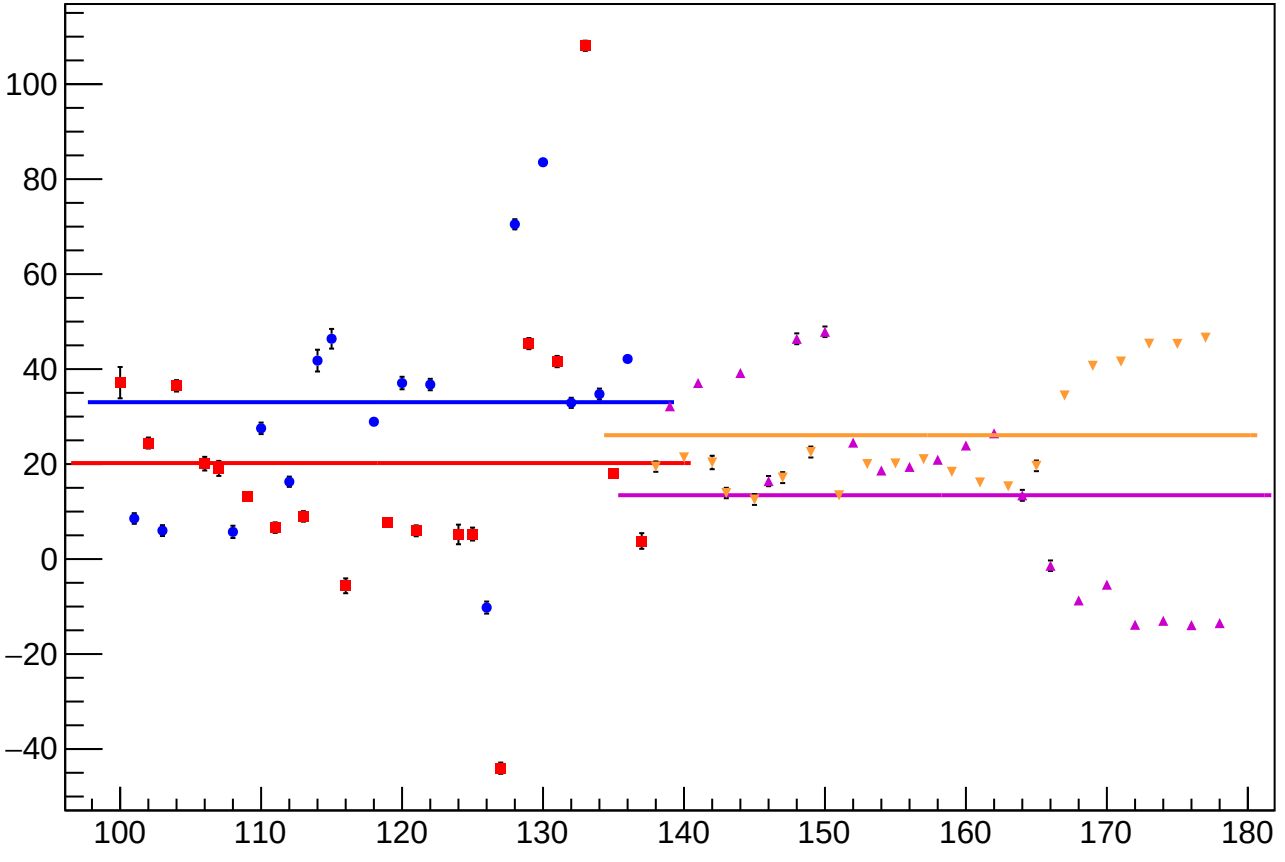
Left In: 645.799+/-0.114 χ^2/NDF:226255.8/19

+ sign 636.504+/-0.092 χ^2/NDF: 261479.5/36

All: 638.440+/-0.066 χ^2/NDF: 522294.4/75

- sign 640.405+/-0.093 χ^2/NDF: 259929.5/38

diff_bpm1i04X_mean vs Slug



Right In: 33.033+/-0.289 χ^2/NDF: 6700.1/15

Left Out: 26.082+/-0.224 χ^2/NDF:2866.3/20

Right Out: 20.215+/-0.286 χ^2/NDF: 11869.7/18

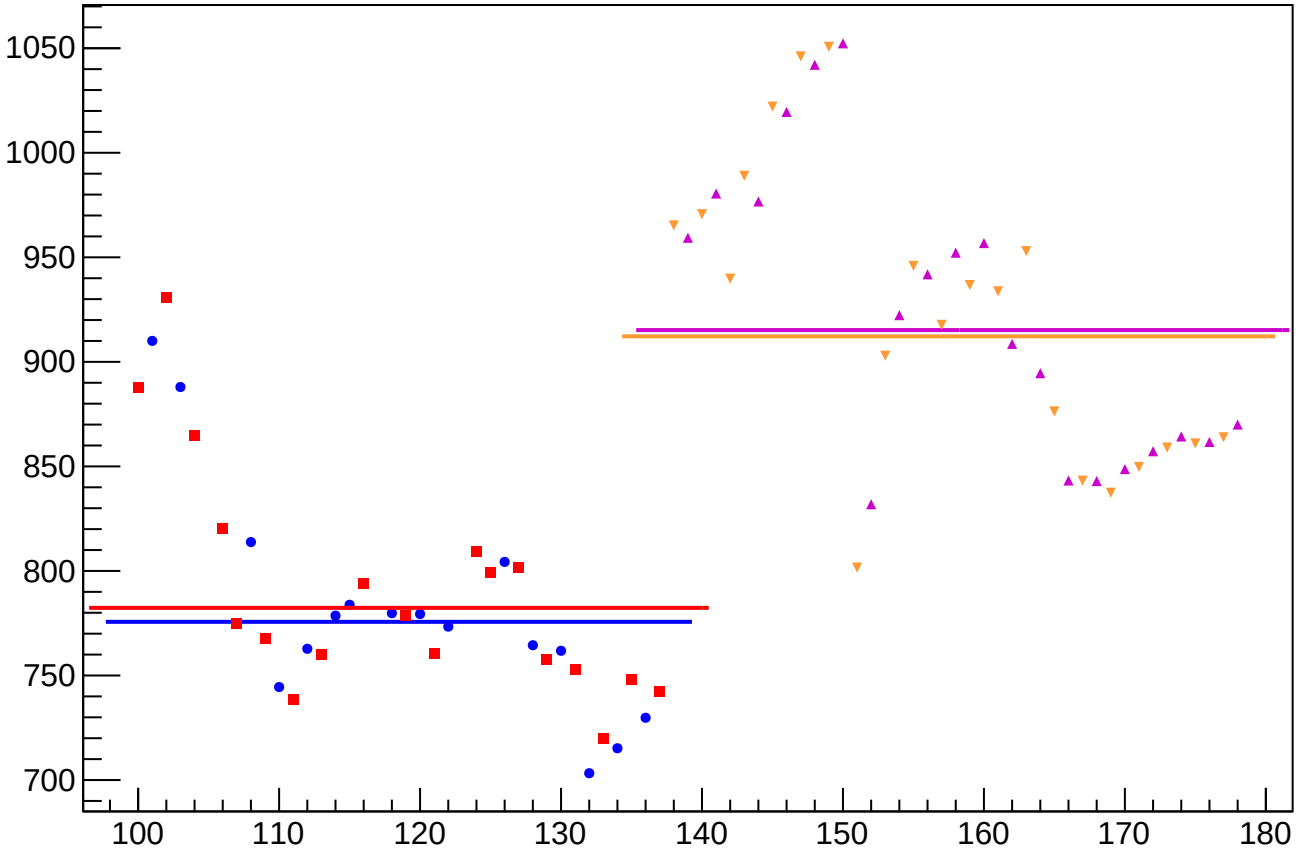
Left In: 13.445+/-0.227 χ^2/NDF:8020.0/19

\+ sign 28.694+/-0.177 χ^2/NDF: 9927.8/36

All: 22.407+/-0.125 χ^2/NDF: 32693.2/75

\- sign 16.064+/-0.178 χ^2/NDF: 20233.4/38

diff_bpm1i04X_rms vs Slug



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 912.205+/-0.158 χ^2/NDF:187393.9/20

Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

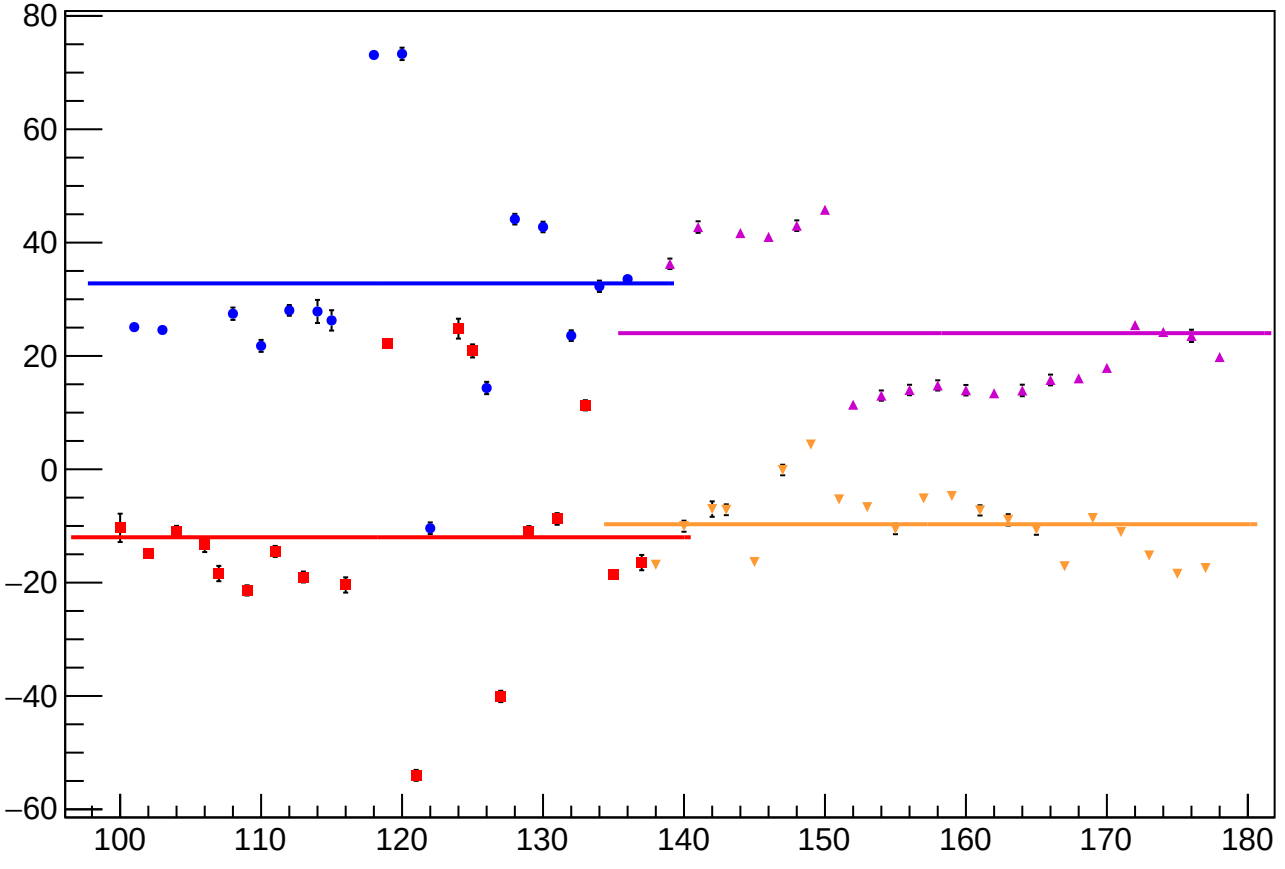
Left In: 915.196+/-0.161 χ^2/NDF:171643.6/19

+ sign 860.912+/-0.125 χ^2/NDF: 540962.3/36

All: 862.350+/-0.089 χ^2/NDF: 1042046.1/75

- sign 863.801+/-0.126 χ^2/NDF: 500818.7/38

diff_bpm1i04Y_mean vs Slug



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -9.696+/-0.192 χ^2/NDF:924.8/20

Right Out: -11.994+/-0.241 χ^2/NDF: 6559.7/18

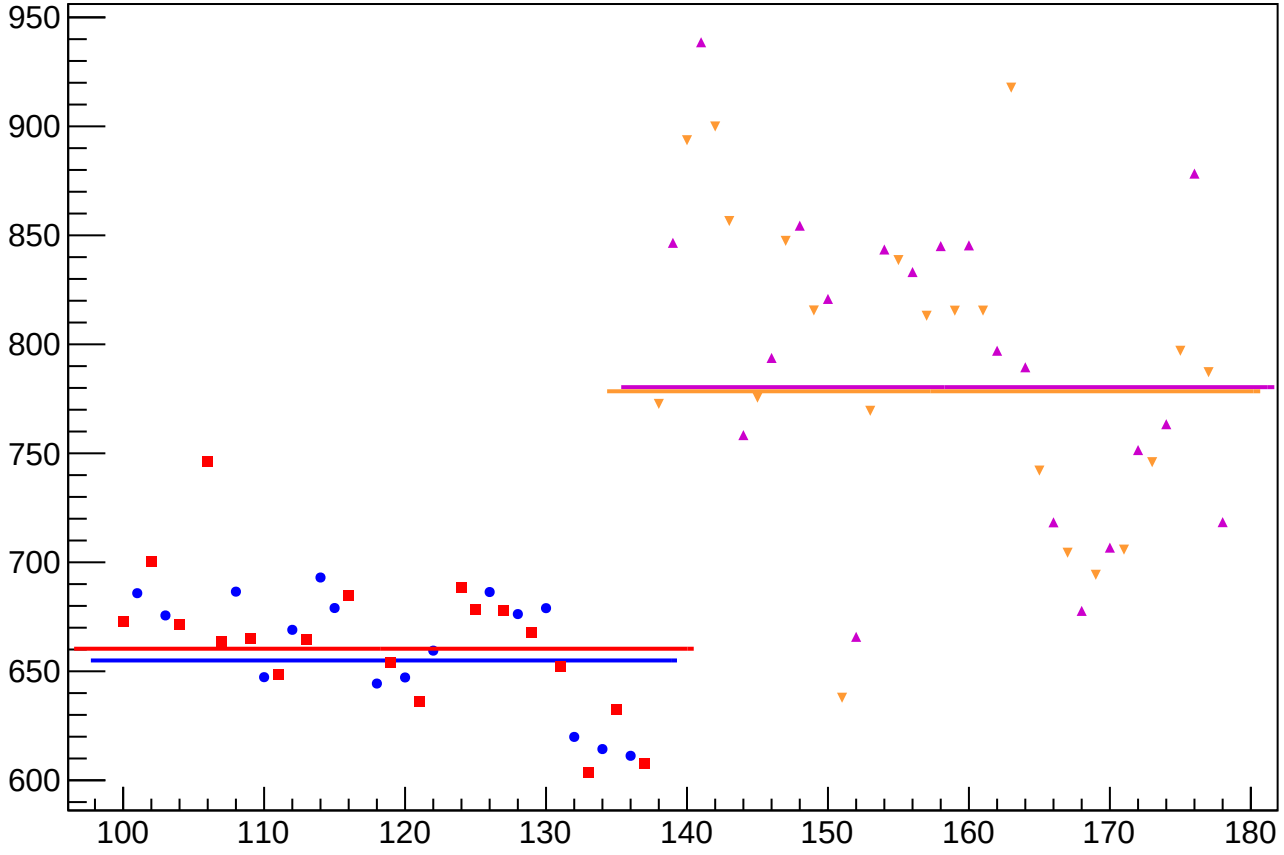
Left In: 24.022+/-0.194 χ^2/NDF:3771.4/19

+ sign 6.589+/-0.151 χ^2/NDF: 25971.3/36

All: 8.203+/-0.107 χ^2/NDF: 50050.8/75

- sign 9.829+/-0.151 χ^2/NDF: 23849.5/38

diff_bpm1i04Y_rms vs Slug



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 778.462+/-0.136 χ^2/NDF:276890.5/20

Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

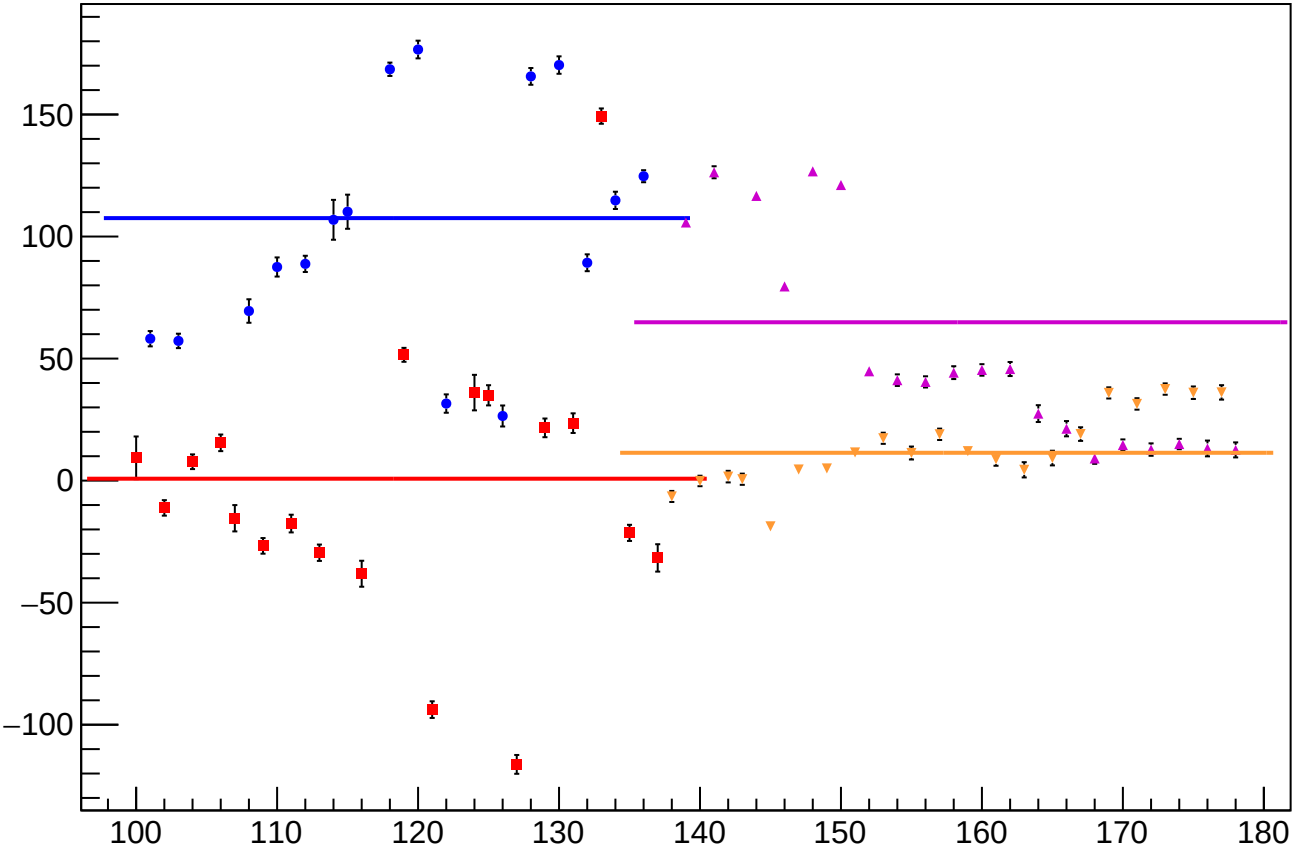
Left In: 780.352+/-0.138 χ^2/NDF:262587.5/19

+ sign 731.142+/-0.107 χ^2/NDF: 620886.6/36

All: 732.099+/-0.076 χ^2/NDF: 1214179.3/75

- sign 733.064+/-0.107 χ^2/NDF: 593130.6/38

diff_bpm1i06X_mean vs Slug



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: 11.407+/-0.497 χ^2/NDF:902.4/20

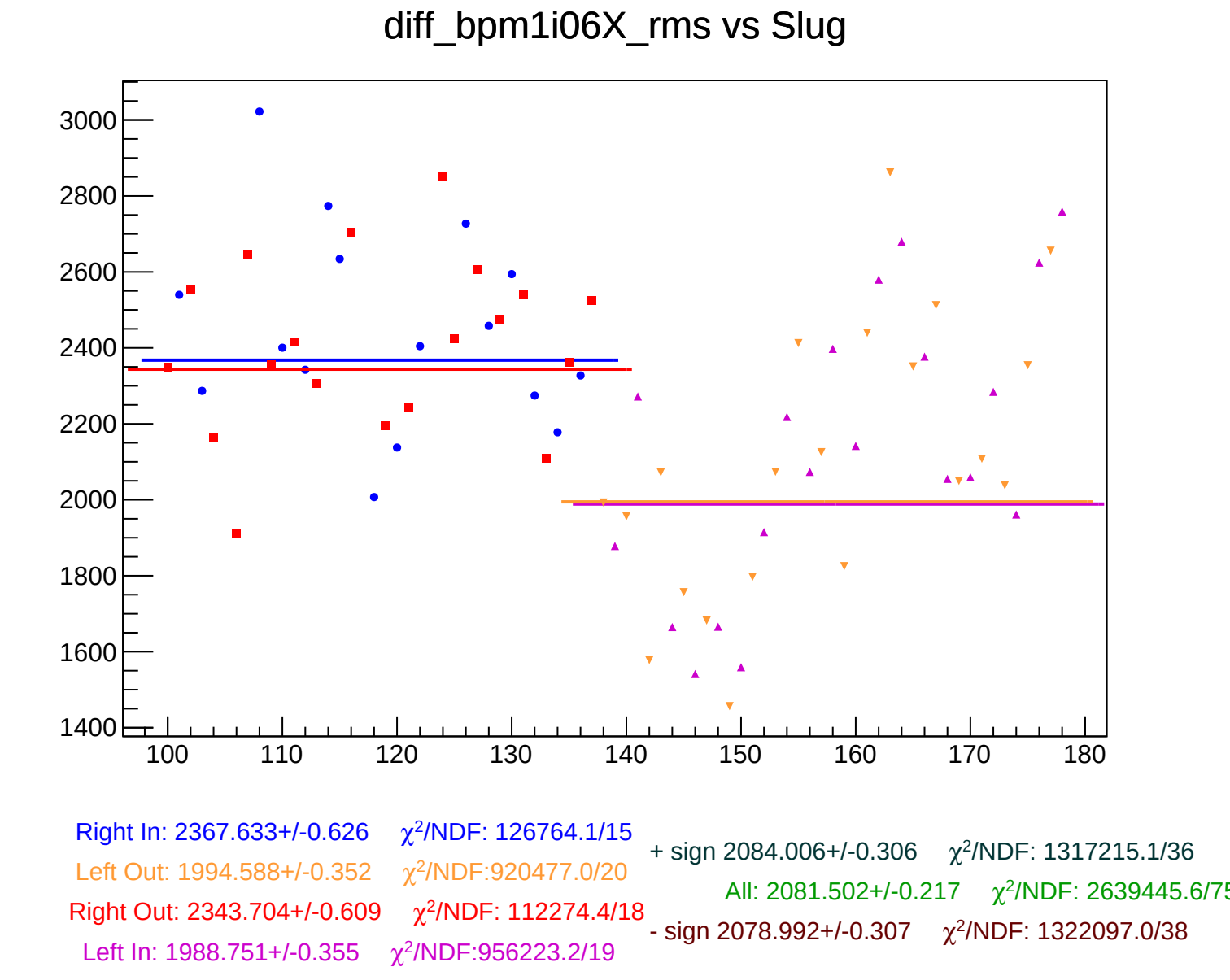
Right Out: 0.788+/-0.861 χ^2/NDF: 4763.9/18

Left In: 64.879+/-0.503 χ^2/NDF:7644.7/19

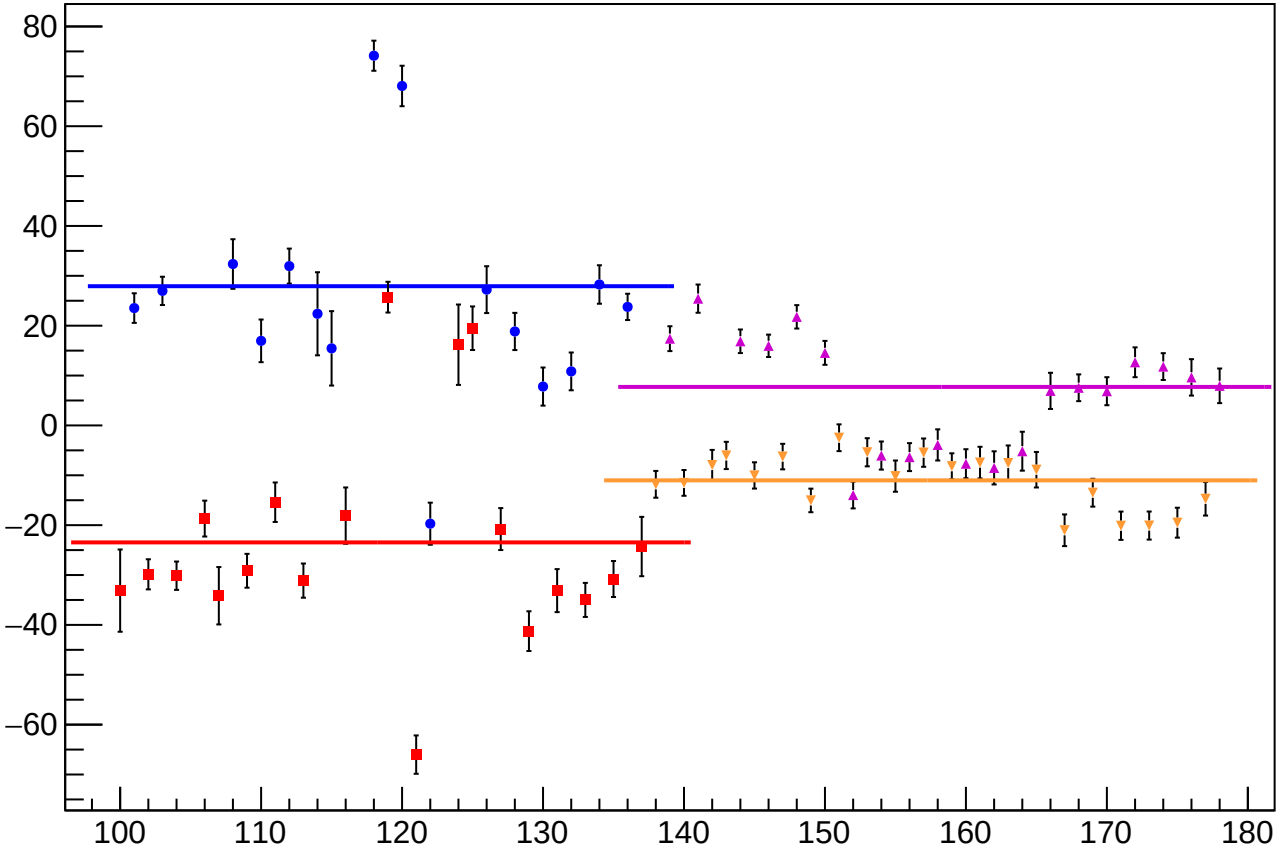
+ sign 34.452+/-0.433 χ^2/NDF: 12824.0/36

All: 41.509+/-0.307 χ^2/NDF: 29897.6/75

- sign 48.585+/-0.434 χ^2/NDF: 16542.8/38


diff_bpm1i06X_rms vs Slug
3000
2800
2600
2400
2200
2000
1800
1600
1400
100
110
120
130
140
150
160
170
180
Right In: 2367.633+/-0.626 χ²/NDF: 126764.1/15
Left Out: 1994.588+/-0.352 χ²/NDF:920477.0/20
Right Out: 2343.704+/-0.609 χ²/NDF: 112274.4/18
Left In: 1988.751+/-0.355 χ²/NDF:956223.2/19
+ sign 2084.006+/-0.306 χ²/NDF: 1317215.1/36
All: 2081.502+/-0.217 χ²/NDF: 2639445.6/75
- sign 2078.992+/-0.307 χ²/NDF: 1322097.0/38

diff_bpm1i06Y_mean vs Slug



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -11.014+/-0.622 χ^2/NDF:73.4/20

Right Out: -23.457+/-0.903 χ^2/NDF: 567.9/18

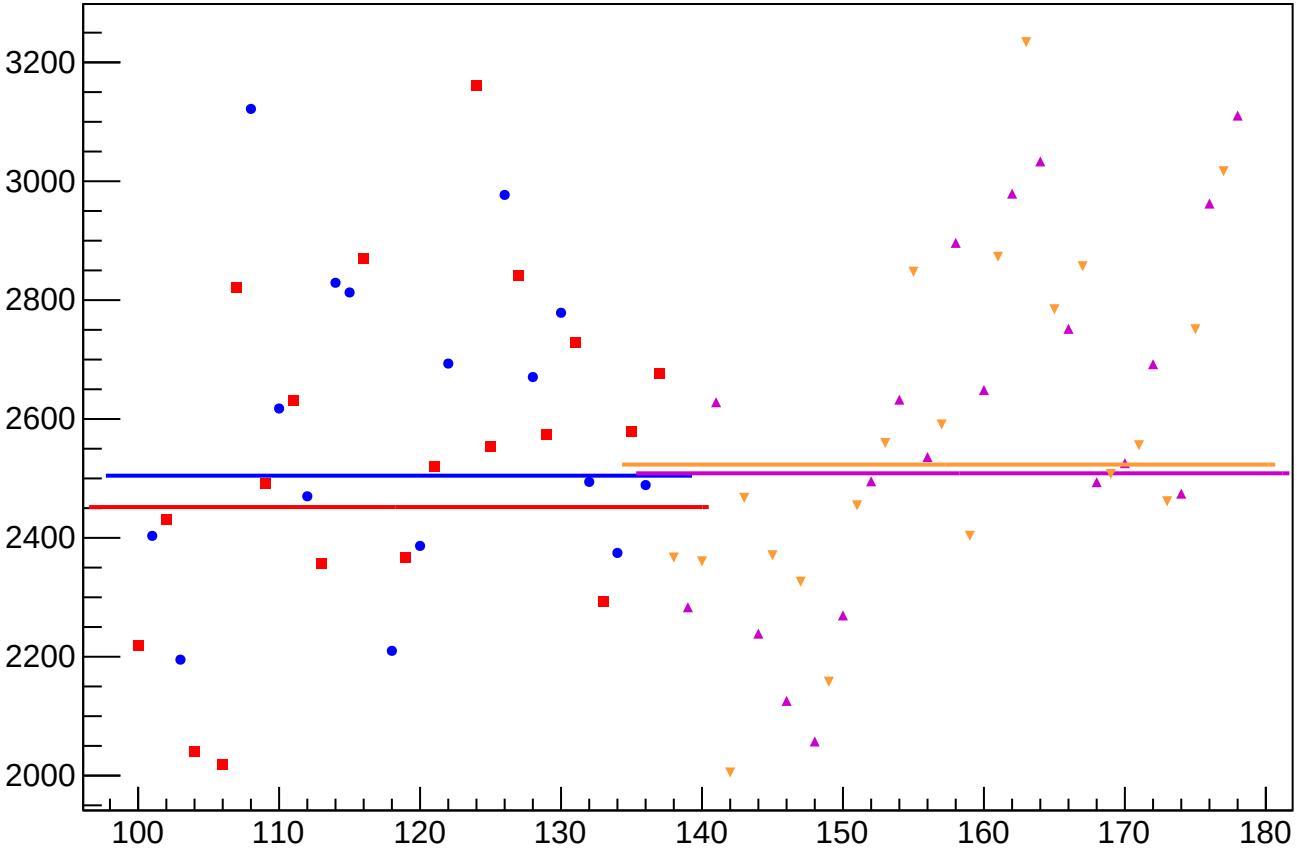
Left In: 7.721+/-0.628 χ^2/NDF:323.2/19

+ sign 0.908+/-0.518 χ^2/NDF: 1802.2/36

All: -0.778+/-0.365 χ^2/NDF: 3518.5/75

- sign -2.444+/-0.515 χ^2/NDF: 1695.2/38

diff_bpm1i06Y_rms vs Slug



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2523.312+/-0.440 χ^2/NDF:363057.8/20

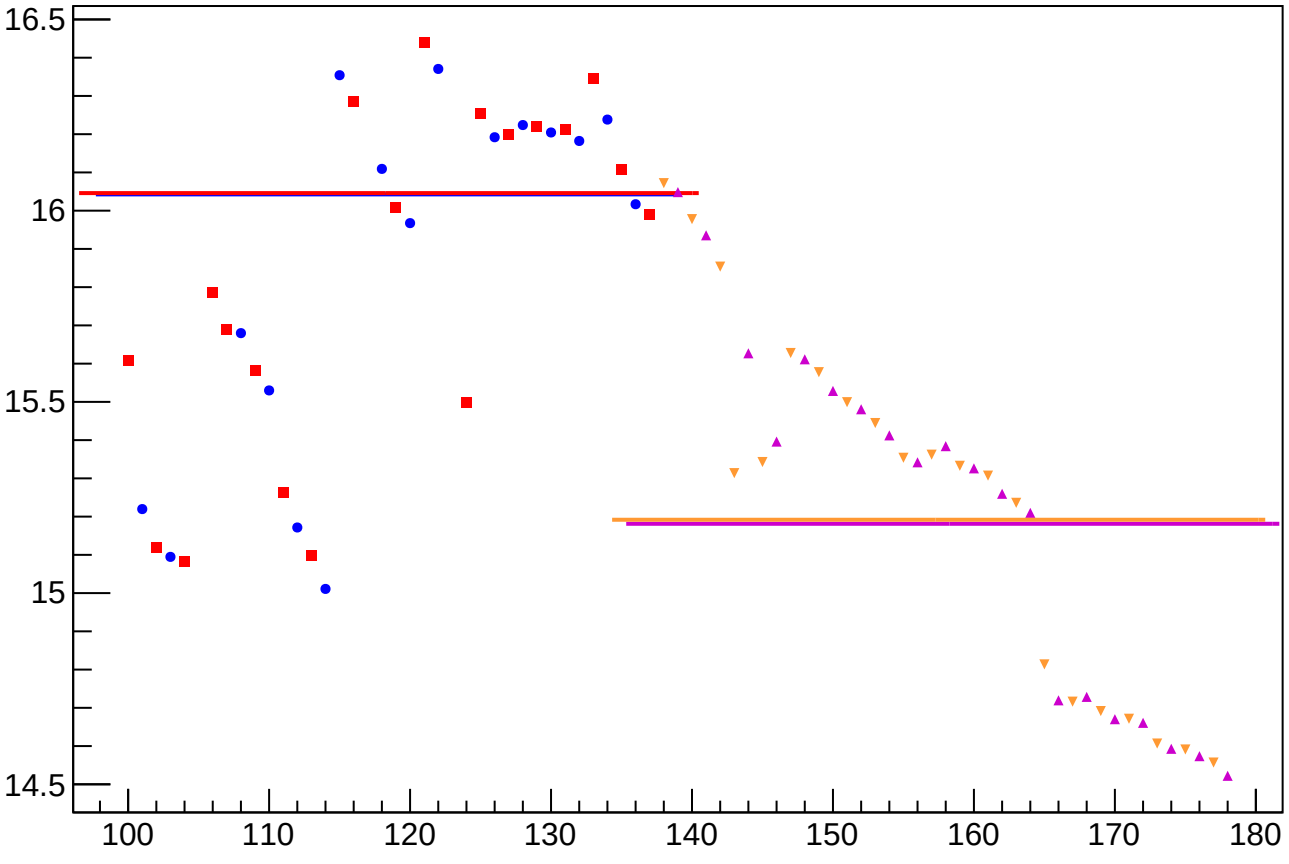
Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2508.607+/-0.444 χ^2/NDF:421788.7/19

+ sign 2517.598+/-0.367 χ^2/NDF: 490207.3/36

All: 2503.775+/-0.258 χ^2/NDF: 1073384.8/75

- sign 2490.113+/-0.364 χ^2/NDF: 580350.0/38



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.192+/-0.000 χ^2/NDF:31572656051.6/20

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

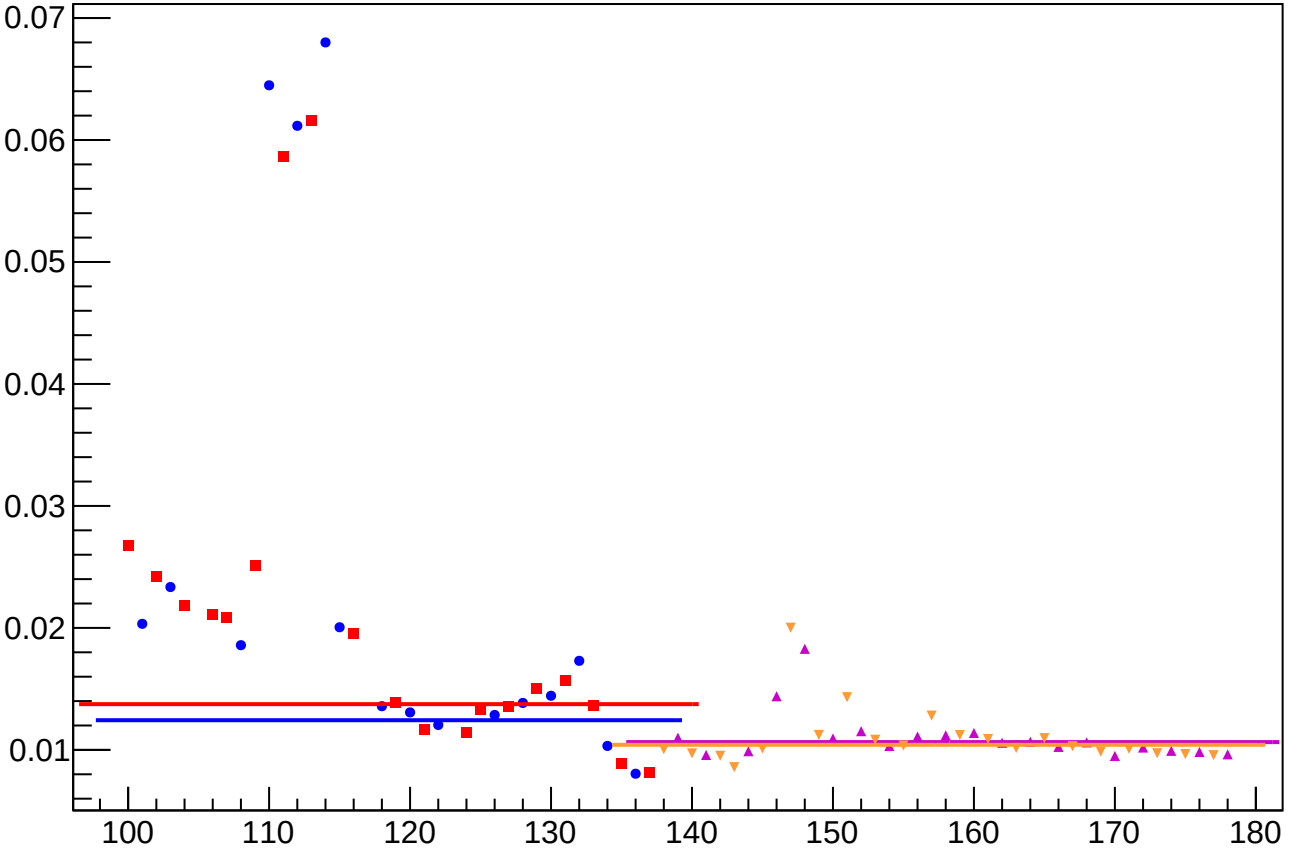
Left In: 15.181+/-0.000 χ^2/NDF:30862693908.9/19

+ sign 15.361+/-0.000 χ^2/NDF: 55066139885.3/36

All: 15.350+/-0.000 χ^2/NDF: 107927765346.

- sign 15.339+/-0.000 χ^2/NDF: 52818471779.2/38

yield_sam1_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 2316842.7/15

Left Out: 0.010+/-0.000 χ^2/NDF:688498.9/20

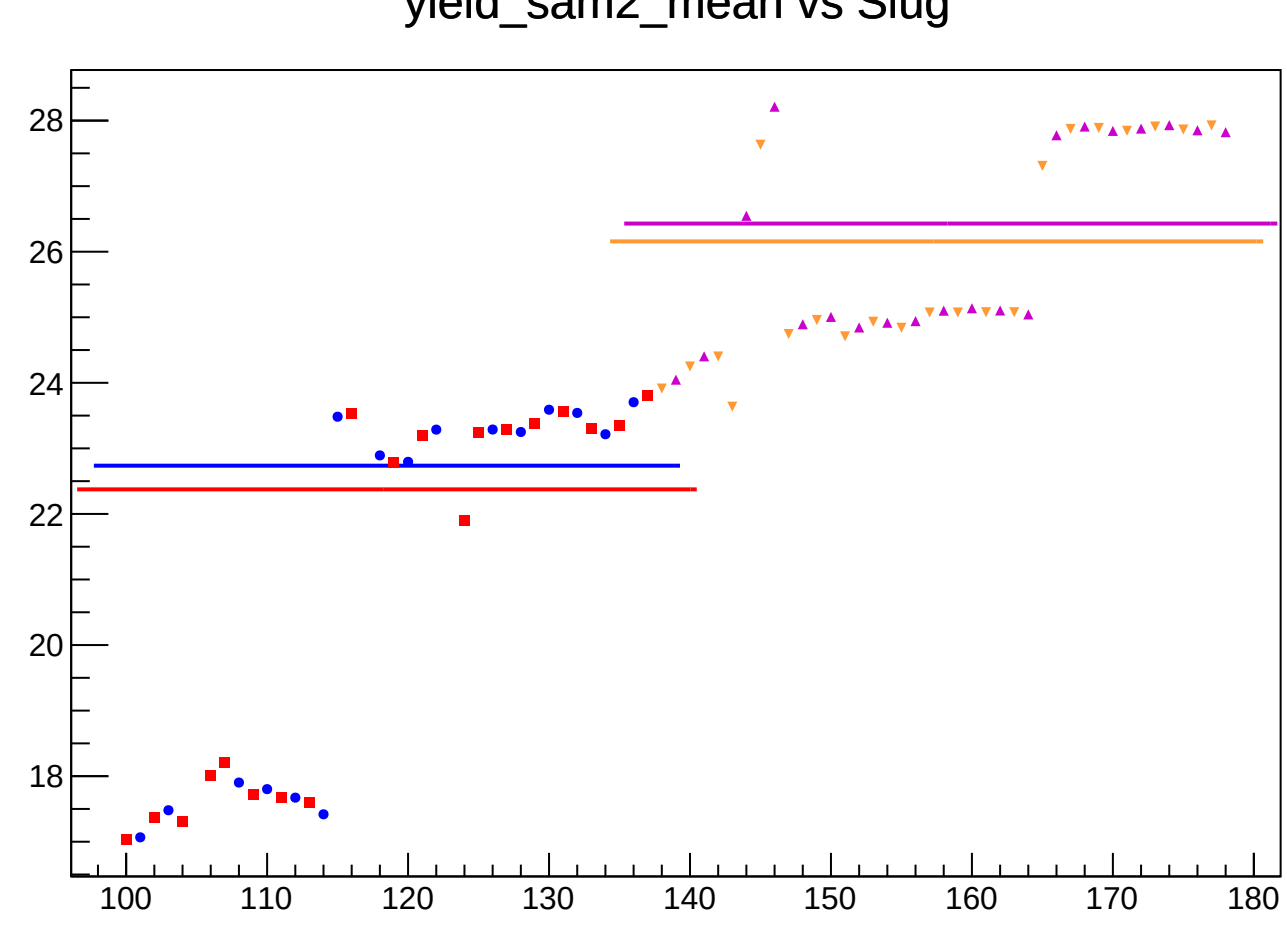
Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.011+/-0.000 χ^2/NDF:505211.8/19

+ sign 0.011+/-0.000 χ^2/NDF: 3236789.1/36

All: 0.011+/-0.000 χ^2/NDF: 6474936.1/75

- sign 0.011+/-0.000 χ^2/NDF: 3212619.6/38



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 26.157+/-0.000 χ^2/NDF:3159548138.8/20

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

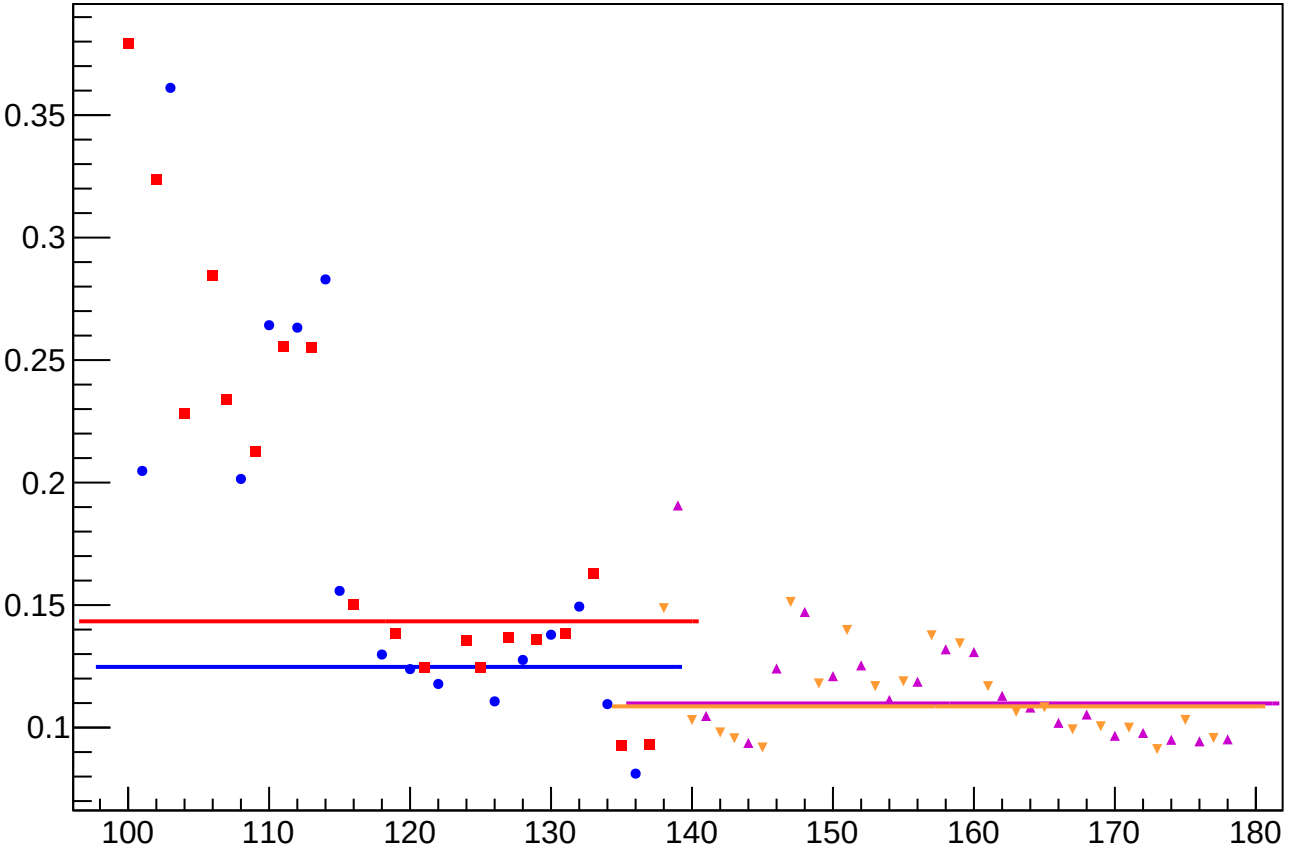
Left In: 26.429+/-0.000 χ^2/NDF:2478112643.5/19

+ sign 25.398+/-0.000 χ^2/NDF: 7509600403.2/36

All: 25.515+/-0.000 χ^2/NDF: 14947414166.5

- sign 25.640+/-0.000 χ^2/NDF: 7394354706.7/38

yield_sam2_rms vs Slug



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.109+/-0.000 χ^2/NDF:643706.9/20

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

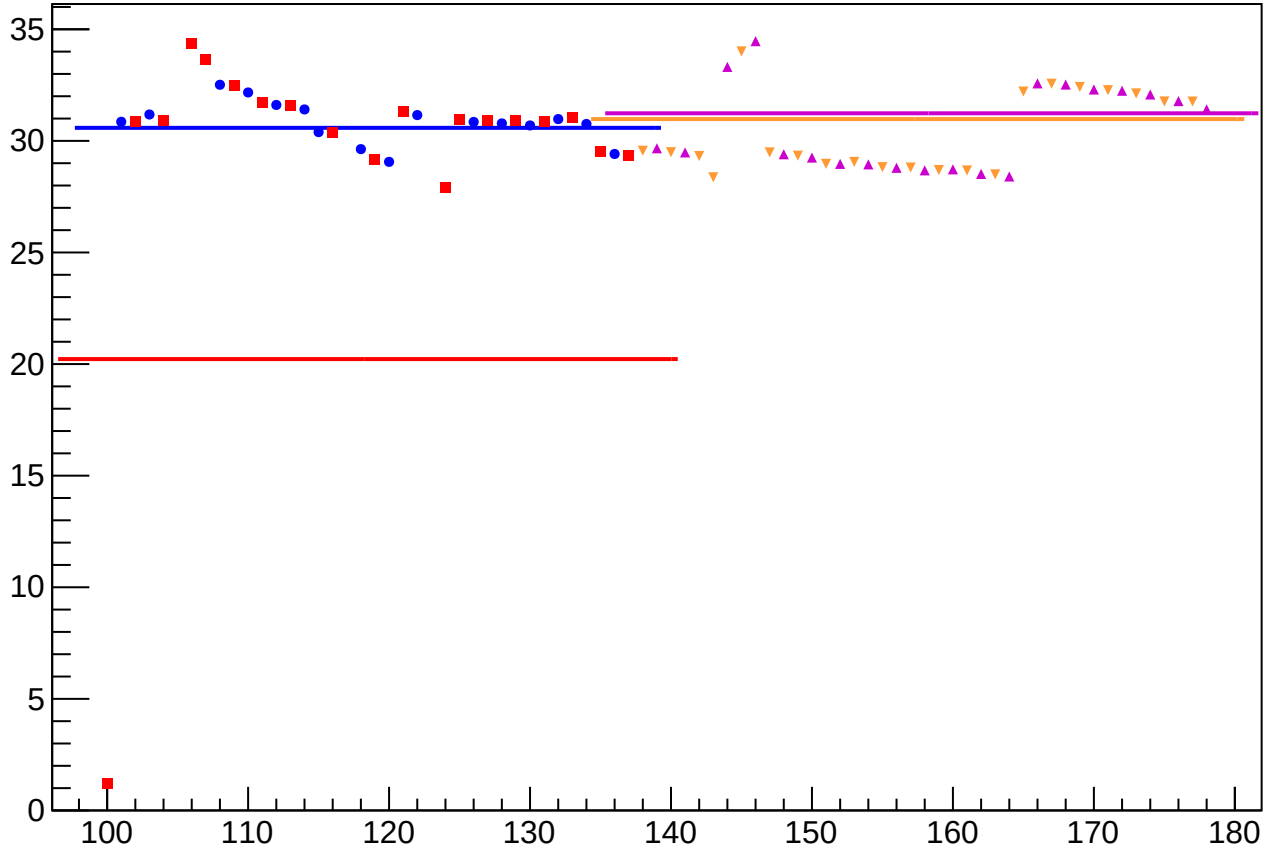
Left In: 0.110+/-0.000 χ^2/NDF:750506.3/19

+ sign 0.112+/-0.000 χ^2/NDF: 2532194.4/36

All: 0.114+/-0.000 χ^2/NDF: 5384219.4/75

- sign 0.116+/-0.000 χ^2/NDF: 2826440.3/38

yield_sam3_mean vs Slug



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 30.977+/-0.000 χ^2/NDF:11786637181.5/20

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

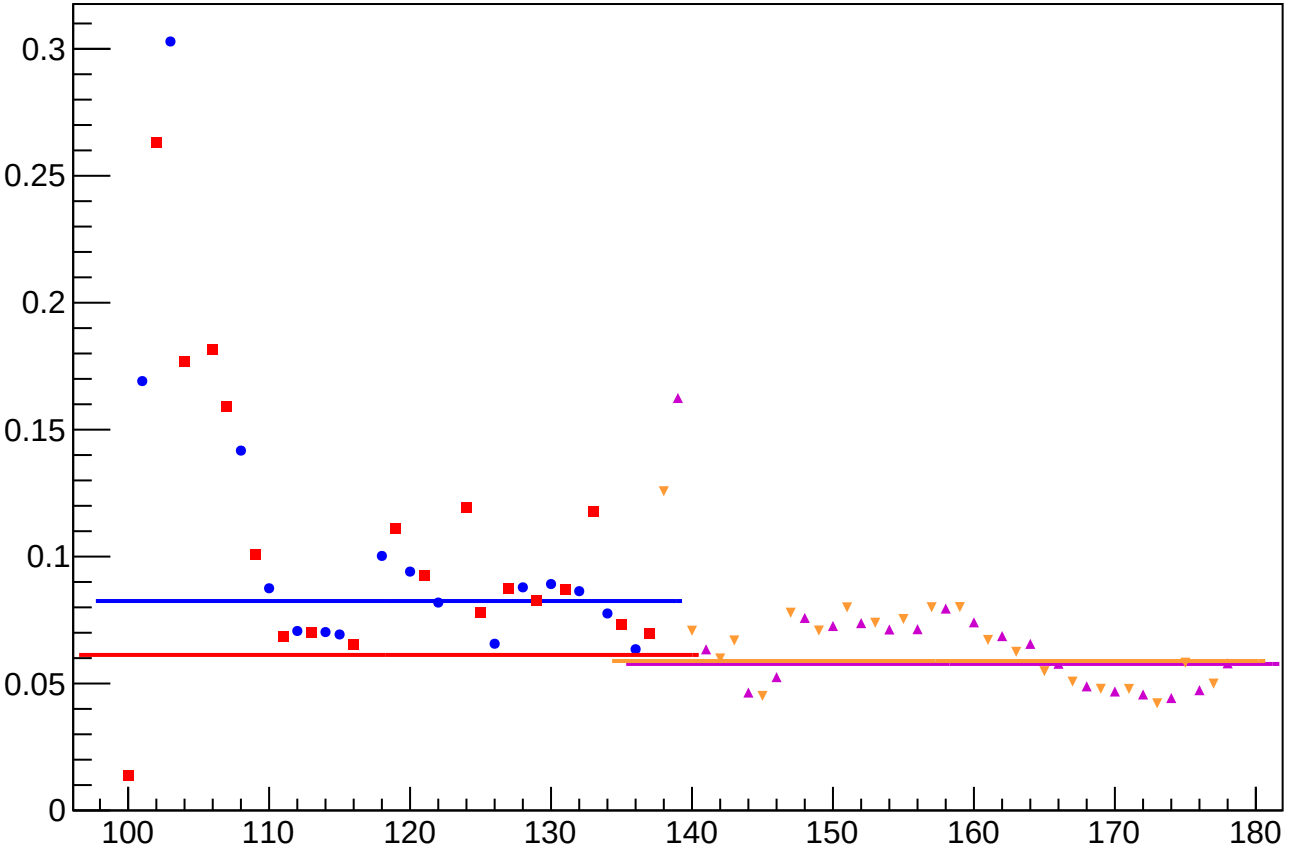
Left In: 31.236+/-0.000 χ^2/NDF:12563020025.3/19

+ sign 30.908+/-0.000 χ^2/NDF: 12537242429.1/36

All: 29.769+/-0.000 χ^2/NDF: 359099161973.

- sign 28.716+/-0.000 χ^2/NDF: 335583031057.4/38

yield_sam3_rms vs Slug



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

Left Out: 0.059+/-0.000 χ^2/NDF:1496137.8/20

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

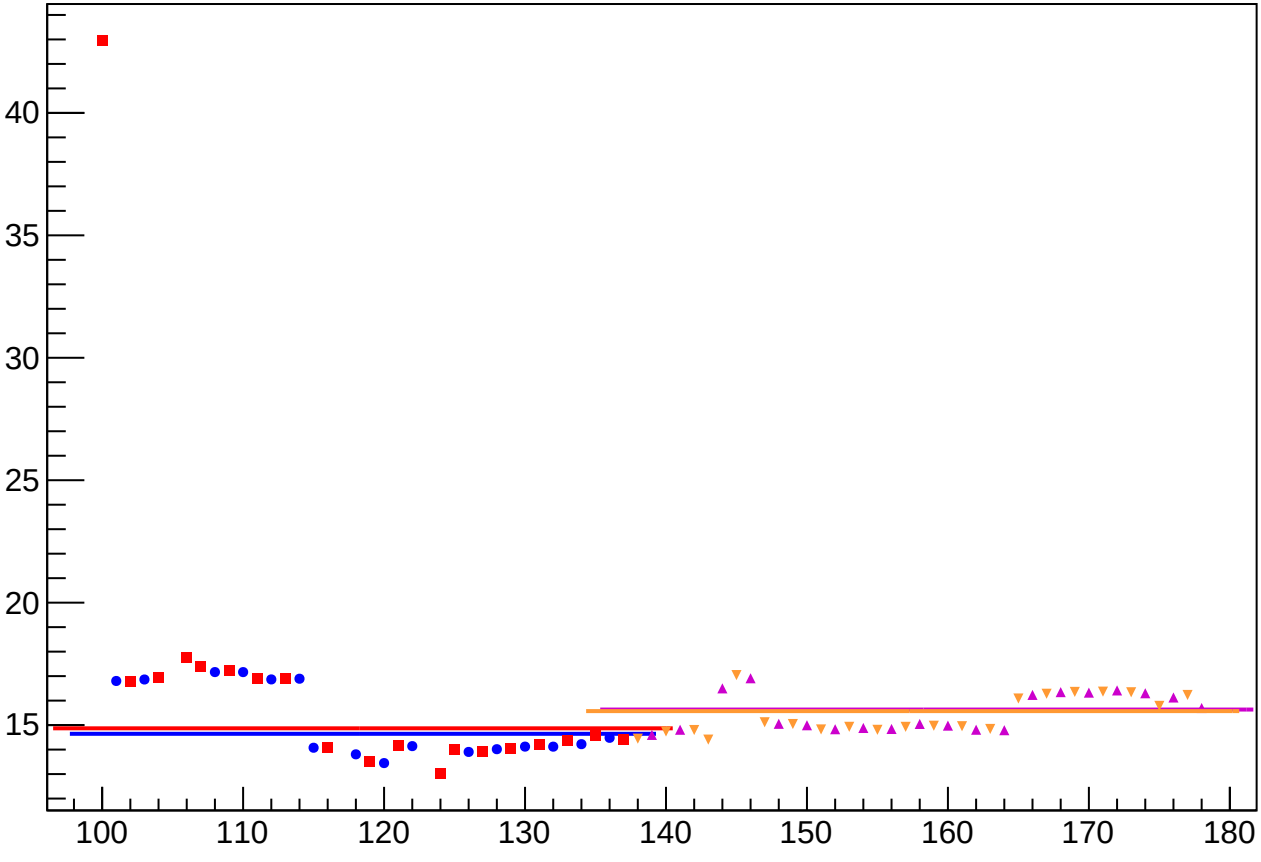
Left In: 0.058+/-0.000 χ^2/NDF:1695059.8/19

+ sign 0.063+/-0.000 χ^2/NDF: 3469941.3/36

All: 0.061+/-0.000 χ^2/NDF: 9292940.1/75

- sign 0.059+/-0.000 χ^2/NDF: 5730525.4/38

yield_sam4_mean vs Slug



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 15.571+/-0.000 χ^2/NDF:2141950663.9/20

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

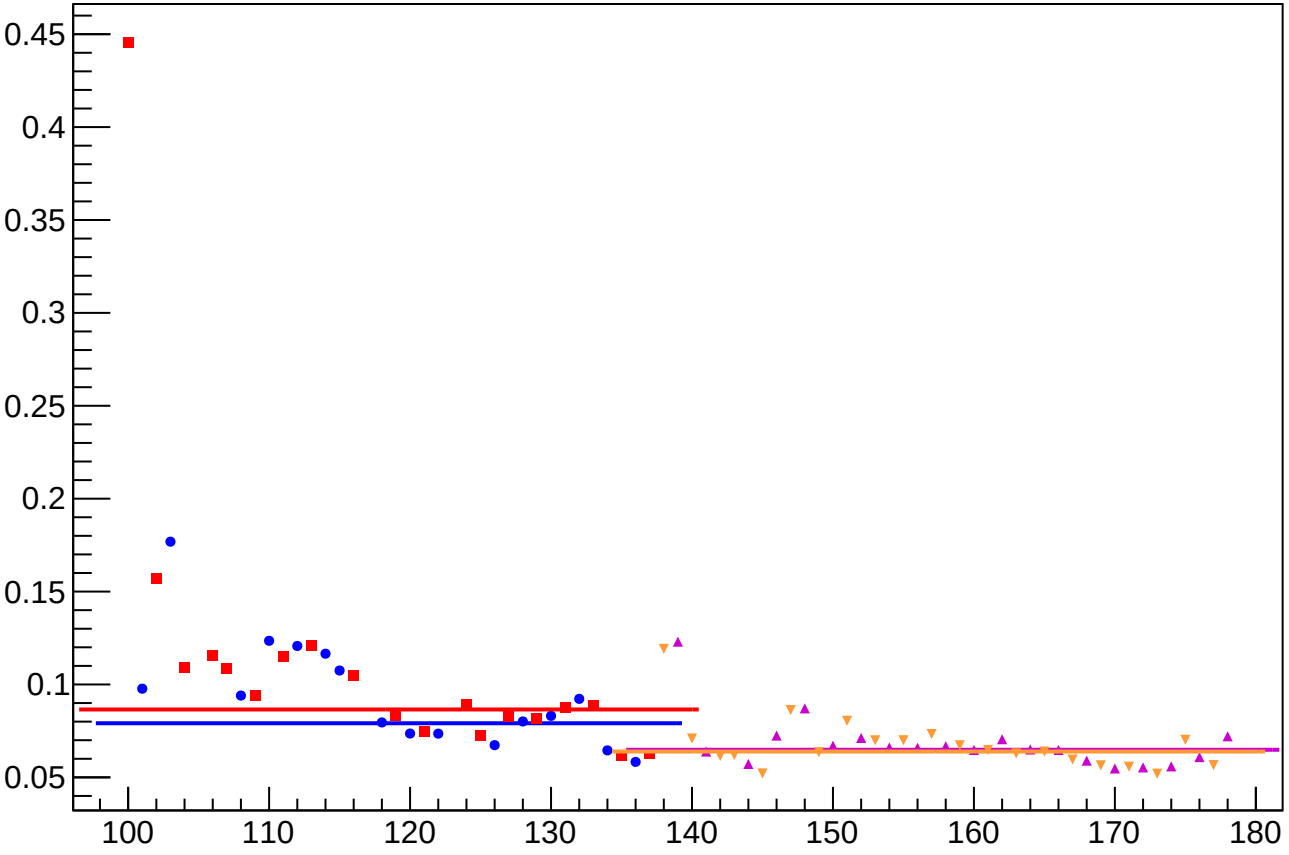
Left In: 15.635+/-0.000 χ^2/NDF:1830771570.0/19

+ sign 15.372+/-0.000 χ^2/NDF: 3968867669.8/36

All: 15.425+/-0.000 χ^2/NDF: 7940855264.1/7

- sign 15.482+/-0.000 χ^2/NDF: 3946639359.4/38

yield_sam4_rms vs Slug



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

Left Out: 0.064+/-0.000 χ^2/NDF:770210.8/20

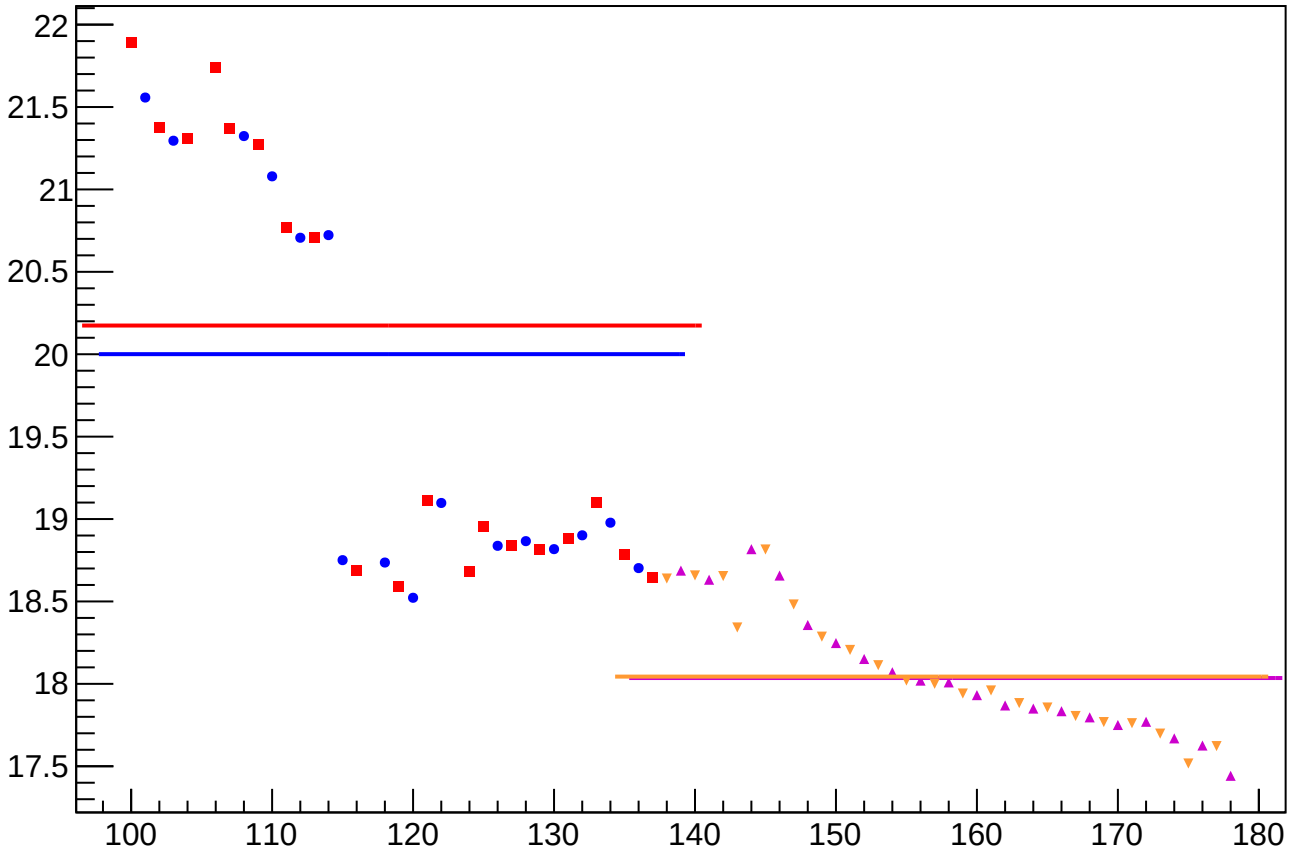
Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

Left In: 0.065+/-0.000 χ^2/NDF:694163.3/19

+ sign 0.067+/-0.000 χ^2/NDF: 2029412.9/36

All: 0.068+/-0.000 χ^2/NDF: 4151612.5/75

- sign 0.069+/-0.000 χ^2/NDF: 2105100.0/38



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 18.044+/-0.000 χ^2/NDF:2180075493.4/20

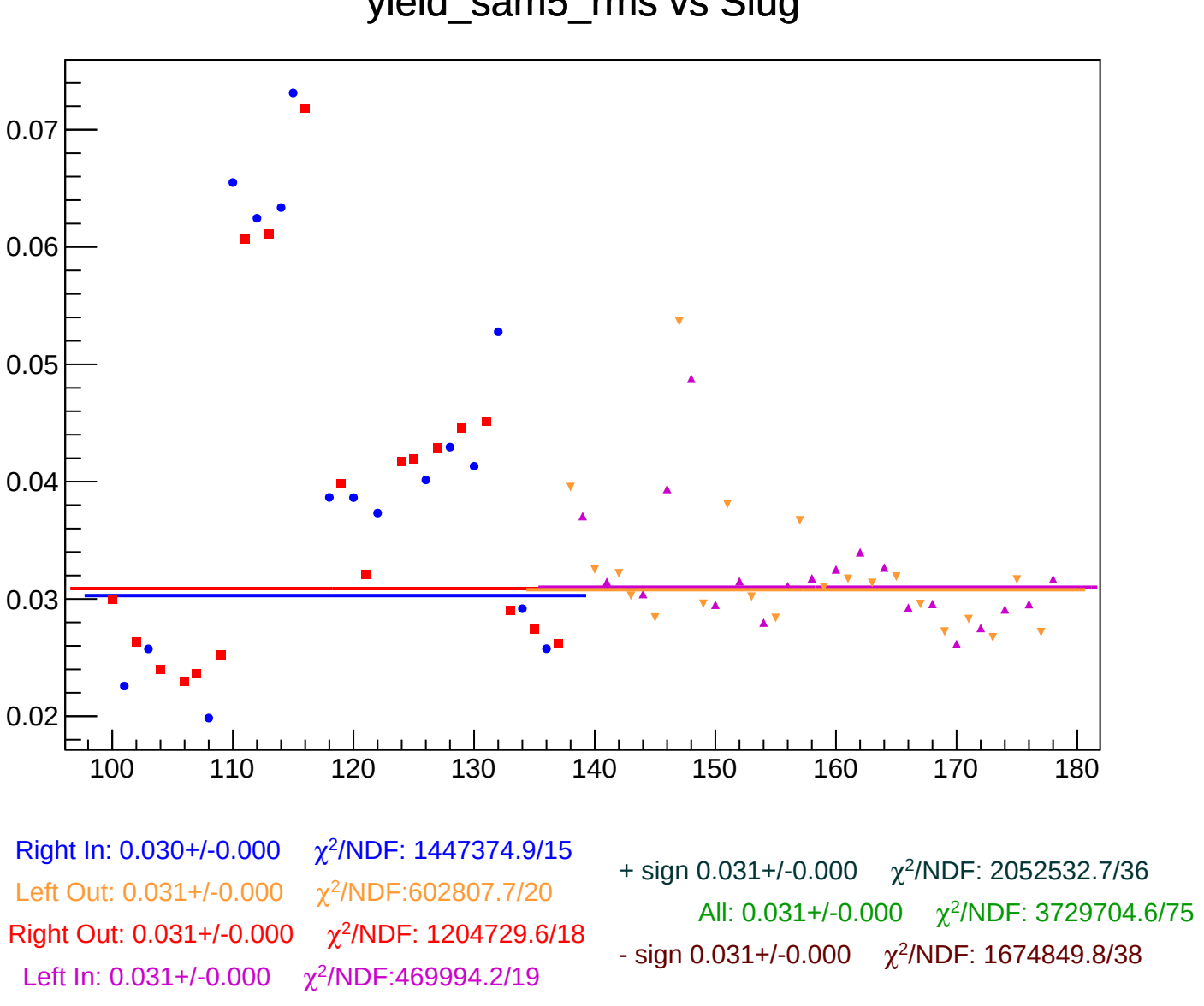
Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

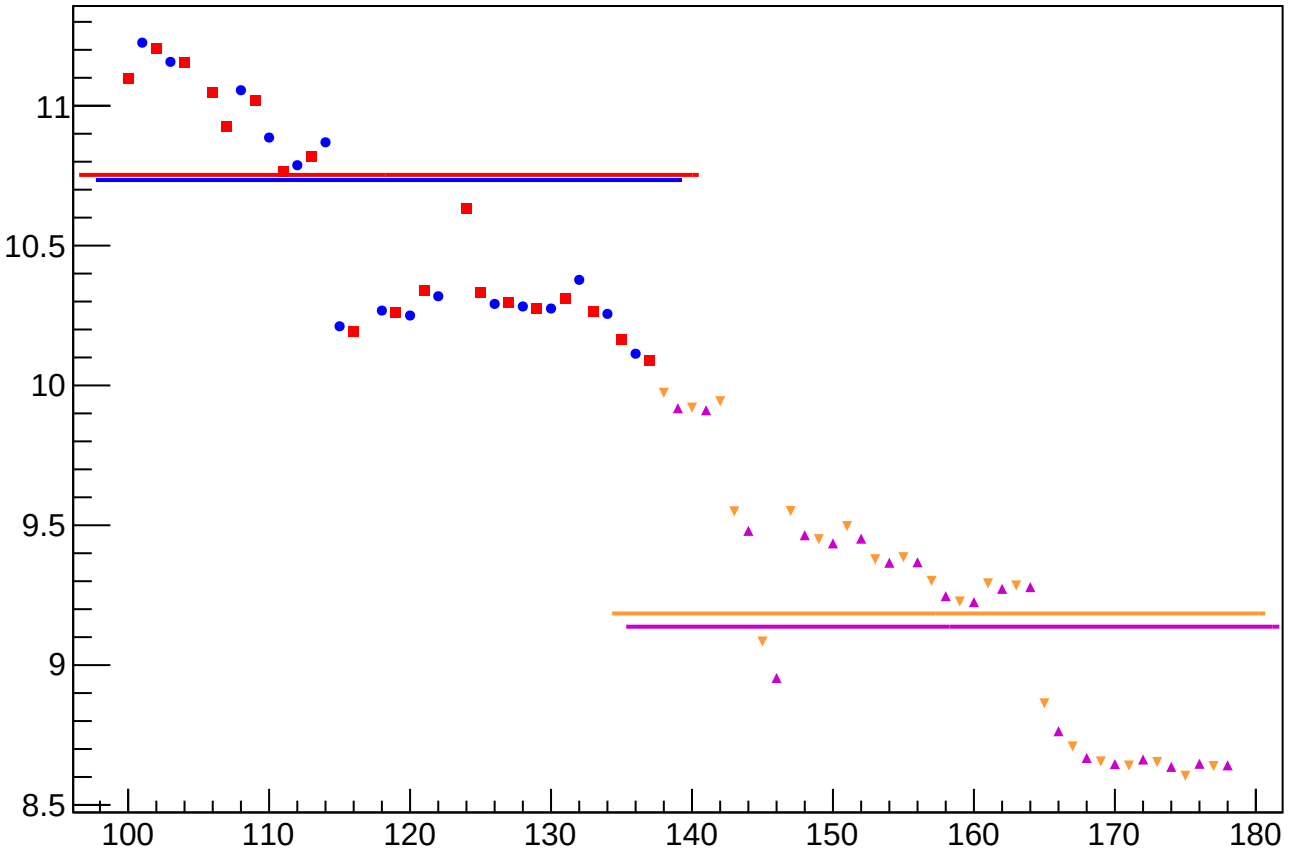
Left In: 18.035+/-0.000 χ^2/NDF:2228459939.1/19

+ sign 18.595+/-0.000 χ^2/NDF: 30935910661.0/36

All: 18.623+/-0.000 χ^2/NDF: 64844297325.0

- sign 18.653+/-0.000 χ^2/NDF: 33869894172.6/38


yield_sam5_rms vs Slug
0.07
0.06
0.05
0.04
0.03
0.02
100
110
120
130
140
150
160
170
180
Right In: 0.030+/-0.000 χ²/NDF: 1447374.9/15
Left Out: 0.031+/-0.000 χ²/NDF:602807.7/20
Right Out: 0.031+/-0.000 χ²/NDF: 1204729.6/18
Left In: 0.031+/-0.000 χ²/NDF:469994.2/19
+ sign 0.031+/-0.000 χ²/NDF: 2052532.7/36
All: 0.031+/-0.000 χ²/NDF: 3729704.6/75
- sign 0.031+/-0.000 χ²/NDF: 1674849.8/38



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.185+/-0.000 χ^2/NDF:7886112785.2/20

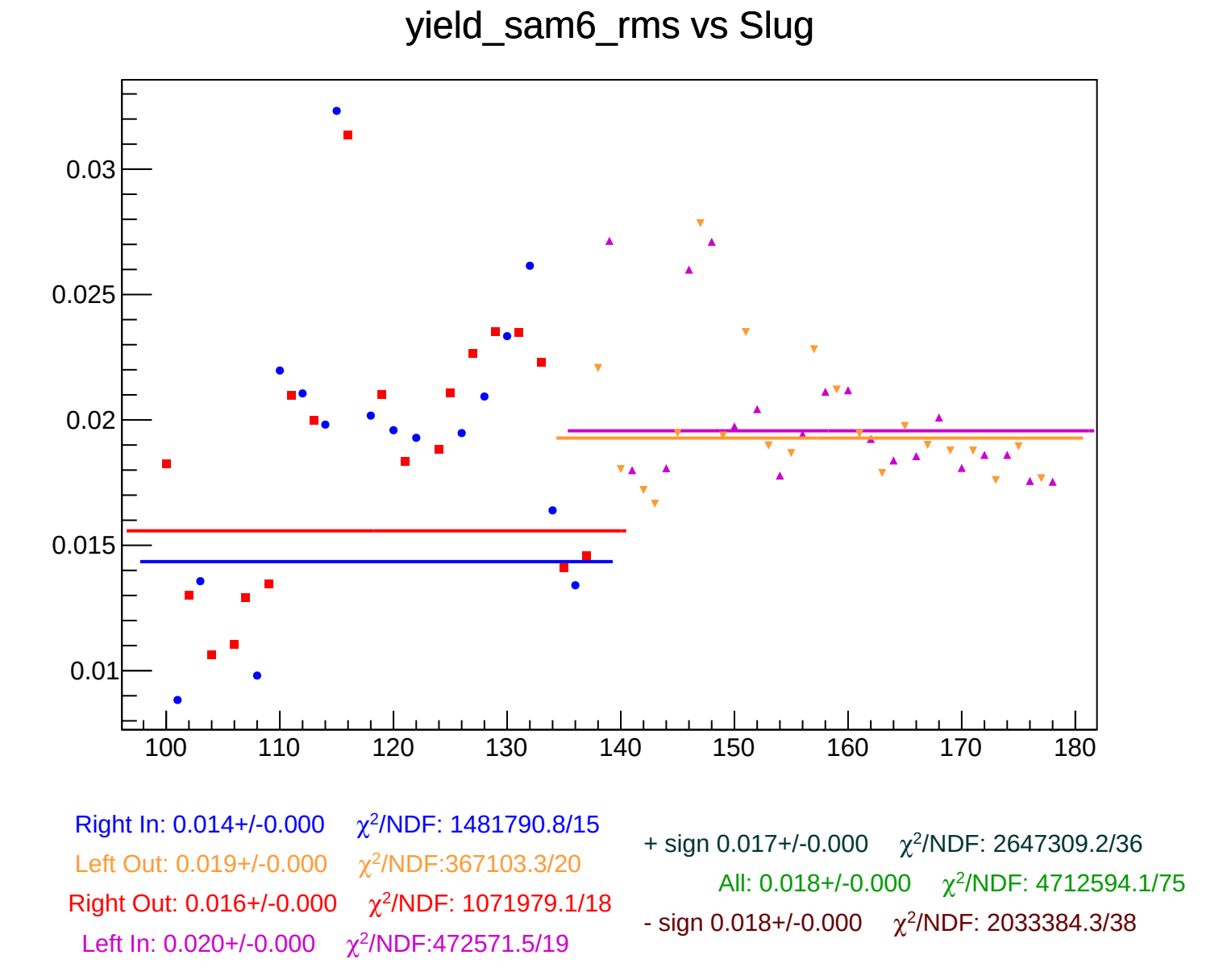
Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

Left In: 9.137+/-0.000 χ^2/NDF:6631081545.6/19

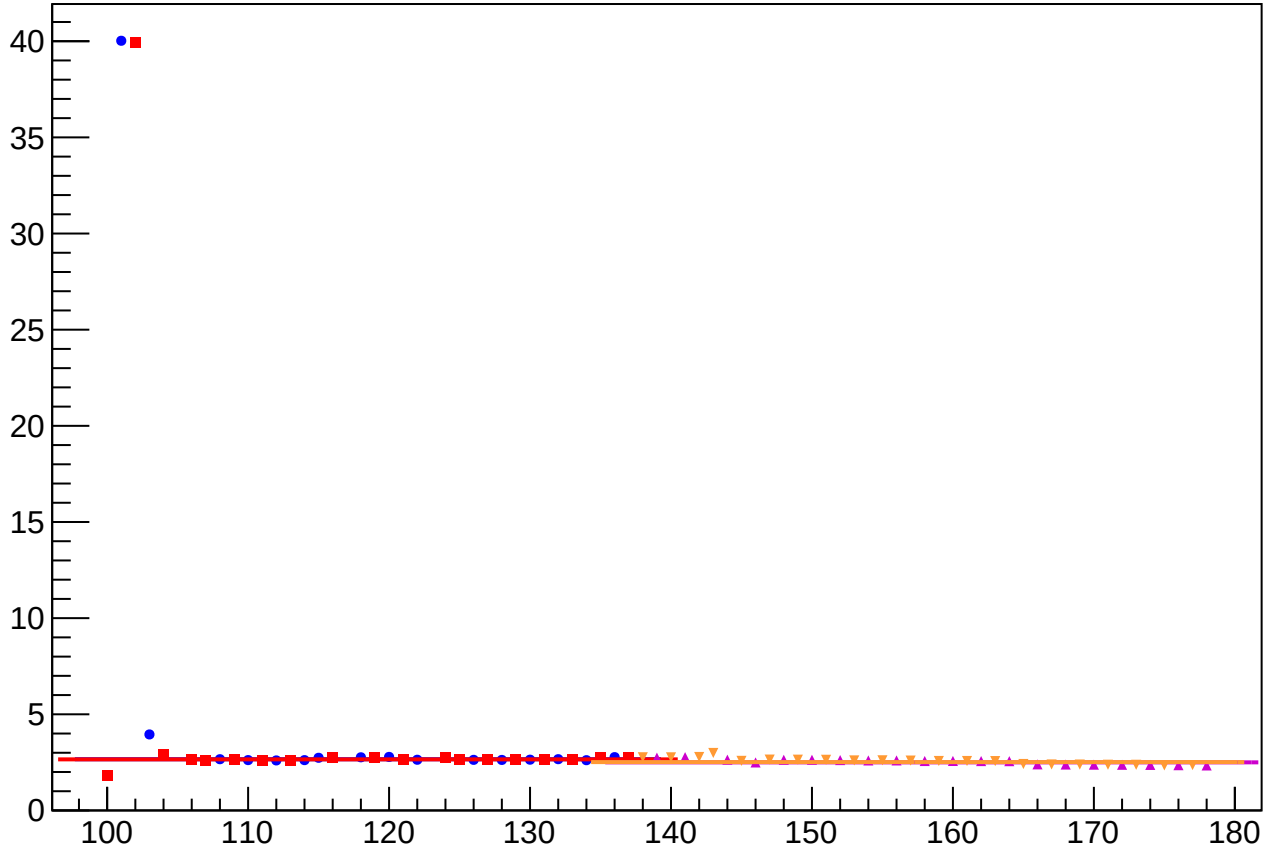
+ sign 9.811+/-0.000 χ^2/NDF: 53265866414.1/36

All: 9.796+/-0.000 χ^2/NDF: 104345733860.4

- sign 9.780+/-0.000 χ^2/NDF: 51048064431.8/38


yield_sam6_rms vs Slug
0.03
0.025
0.02
0.015
0.01
100
110
120
130
140
150
160
170
180
Right In: 0.014+/-0.000 χ²/NDF: 1481790.8/15
Left Out: 0.019+/-0.000 χ²/NDF:367103.3/20
Right Out: 0.016+/-0.000 χ²/NDF: 1071979.1/18
Left In: 0.020+/-0.000 χ²/NDF:472571.5/19
+ sign 0.017+/-0.000 χ²/NDF: 2647309.2/36
All: 0.018+/-0.000 χ²/NDF: 4712594.1/75
- sign 0.018+/-0.000 χ²/NDF: 2033384.3/38

yield_sam7_mean vs Slug



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.514+/-0.000 χ^2/NDF:79035197407.8/20

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

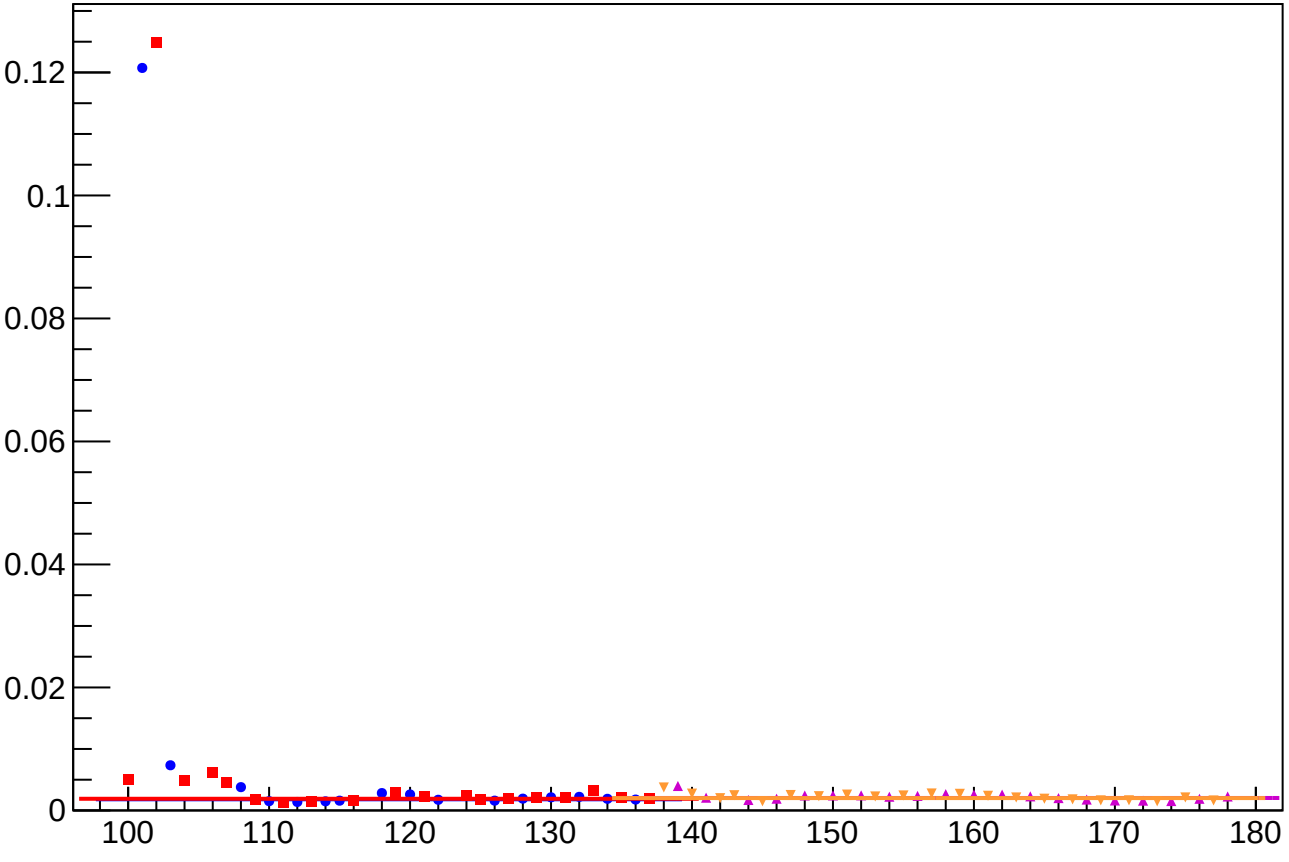
Left In: 2.501+/-0.000 χ^2/NDF:54653279870.9/19

+ sign 2.560+/-0.000 χ^2/NDF: 169273320042.0/36

All: 2.554+/-0.000 χ^2/NDF: 312746921166.8

- sign 2.549+/-0.000 χ^2/NDF: 143181955830.7/38

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:1454228.5/20

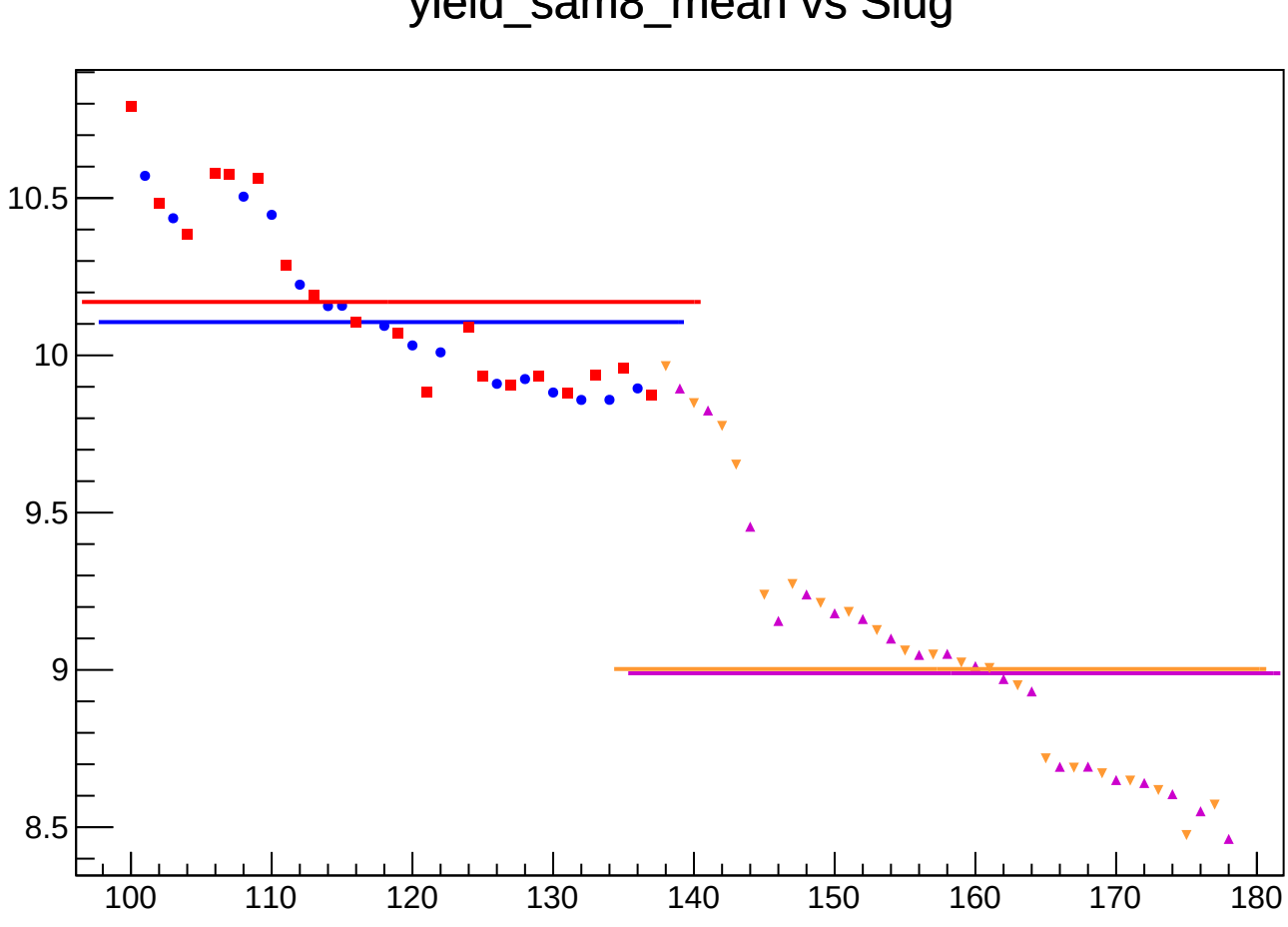
Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

Left In: 0.002+/-0.000 χ^2/NDF:1229864.9/19

+ sign 0.002+/-0.000 χ^2/NDF: 3354708.0/36

All: 0.002+/-0.000 χ^2/NDF: 7149234.0/75

- sign 0.002+/-0.000 χ^2/NDF: 3787916.2/38



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 9.003+/-0.000 χ^2/NDF:52275460759.5/20

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

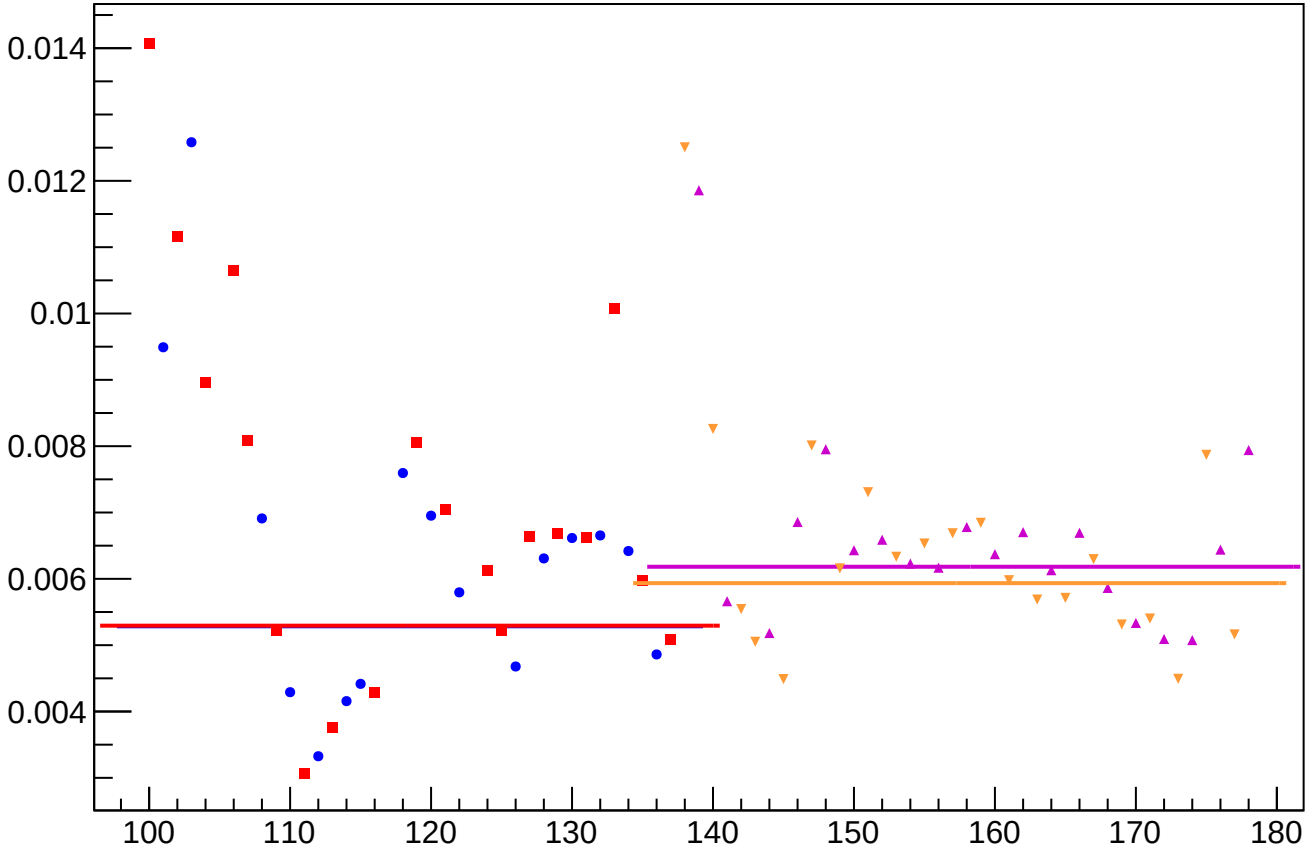
Left In: 8.989+/-0.000 χ^2/NDF:44330870774.5/19

+ sign 9.378+/-0.000 χ^2/NDF: 216672658818.9/36

All: 9.399+/-0.000 χ^2/NDF: 444831054092.1

- sign 9.420+/-0.000 χ^2/NDF: 227661762851.3/38

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:1143476.3/20

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

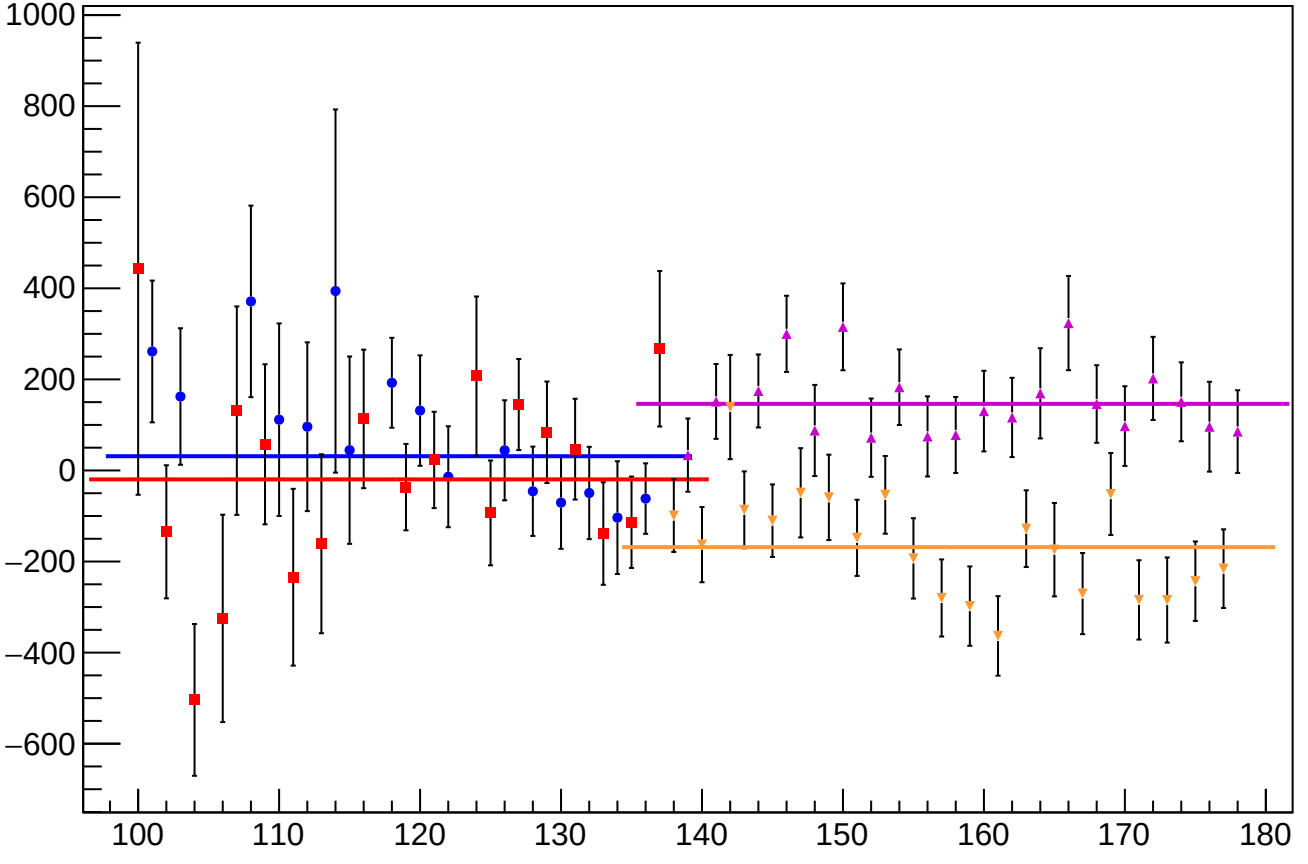
Left In: 0.006+/-0.000 χ^2/NDF:774497.6/19

+ sign 0.006+/-0.000 χ^2/NDF: 2525707.9/36

All: 0.006+/-0.000 χ^2/NDF: 5301217.9/75

- sign 0.006+/-0.000 χ^2/NDF: 2764016.4/38

reg_asym_sam1_mean vs Slug



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -168.392+/-19.230 χ^2/NDF:30.8/20

Right Out: -19.573+/-31.059 χ^2/NDF: 25.9/18

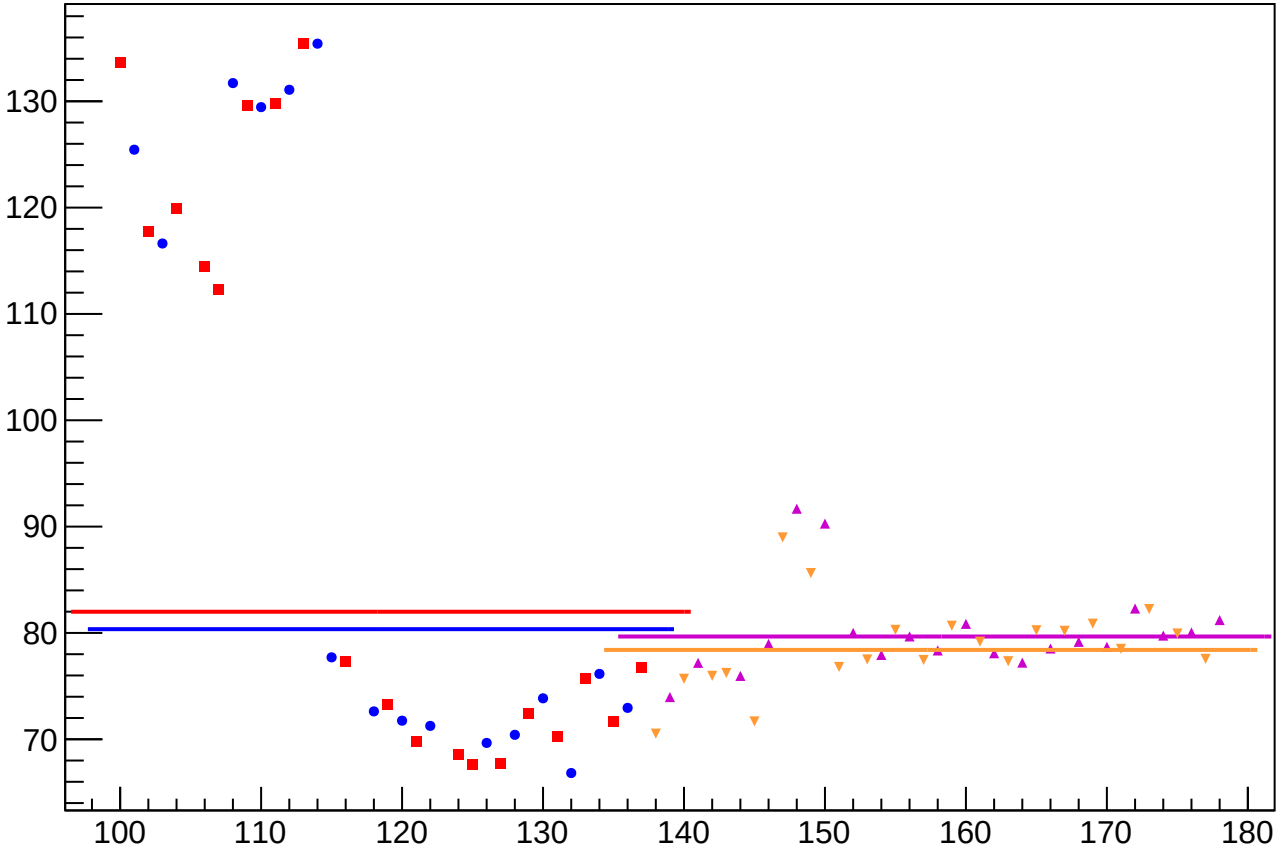
Left In: 146.276+/-19.744 χ^2/NDF:15.8/19

+ sign -112.361+/-16.310 χ^2/NDF: 76.1/36

All: -9.164+/-11.655 χ^2/NDF: 219.9/75

- sign 98.543+/-16.662 χ^2/NDF: 62.0/38

reg_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 78.404+/-0.014 χ^2/NDF:84437.0/20

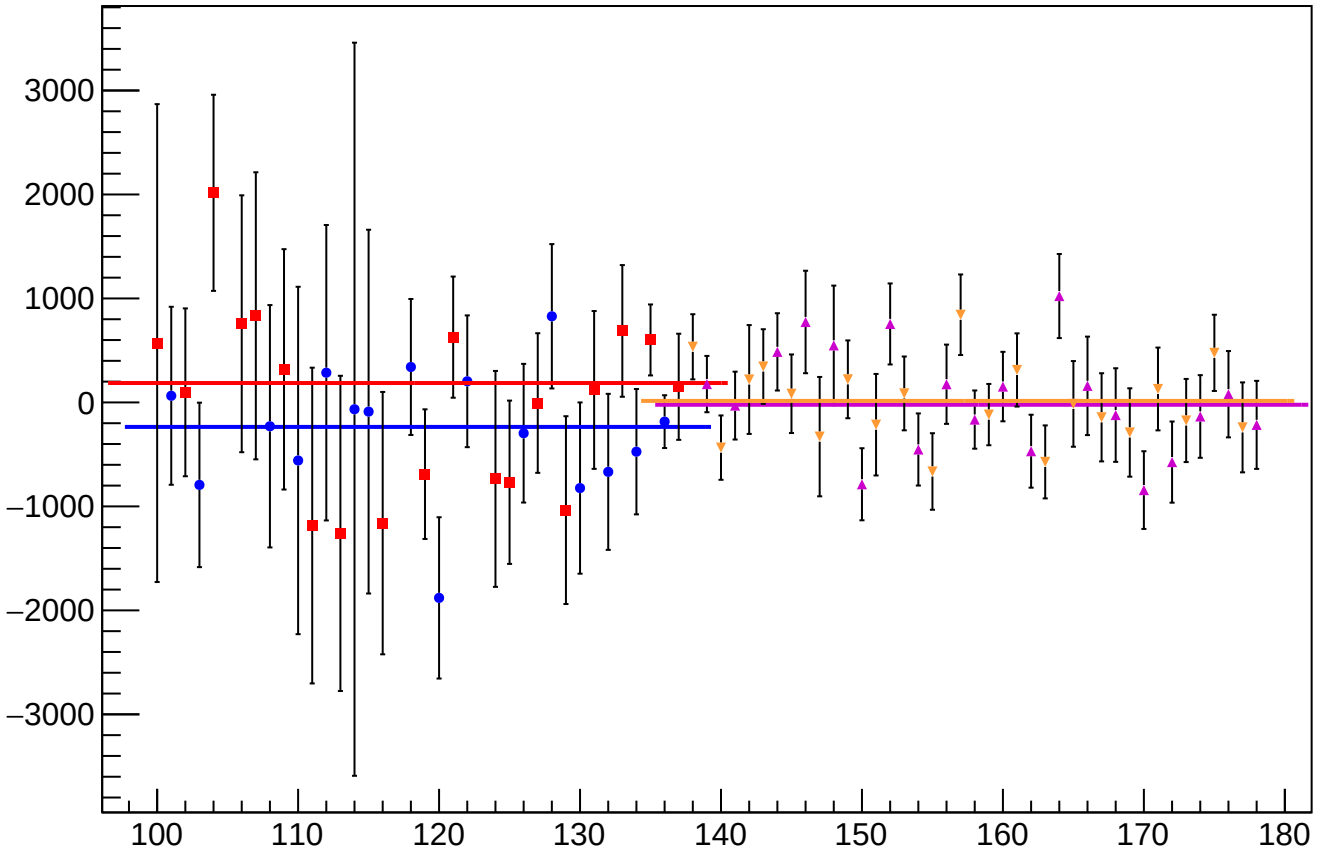
Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

Left In: 79.664+/-0.014 χ^2/NDF:76379.4/19

+ sign 78.951+/-0.012 χ^2/NDF: 930247.9/36

All: 79.628+/-0.008 χ^2/NDF: 1954010.3/75

- sign 80.334+/-0.012 χ^2/NDF: 1016727.1/38



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 14.572+/-82.918 χ^2/NDF:21.4/20

Right Out: 186.618+/-170.394 χ^2/NDF: 16.0/18

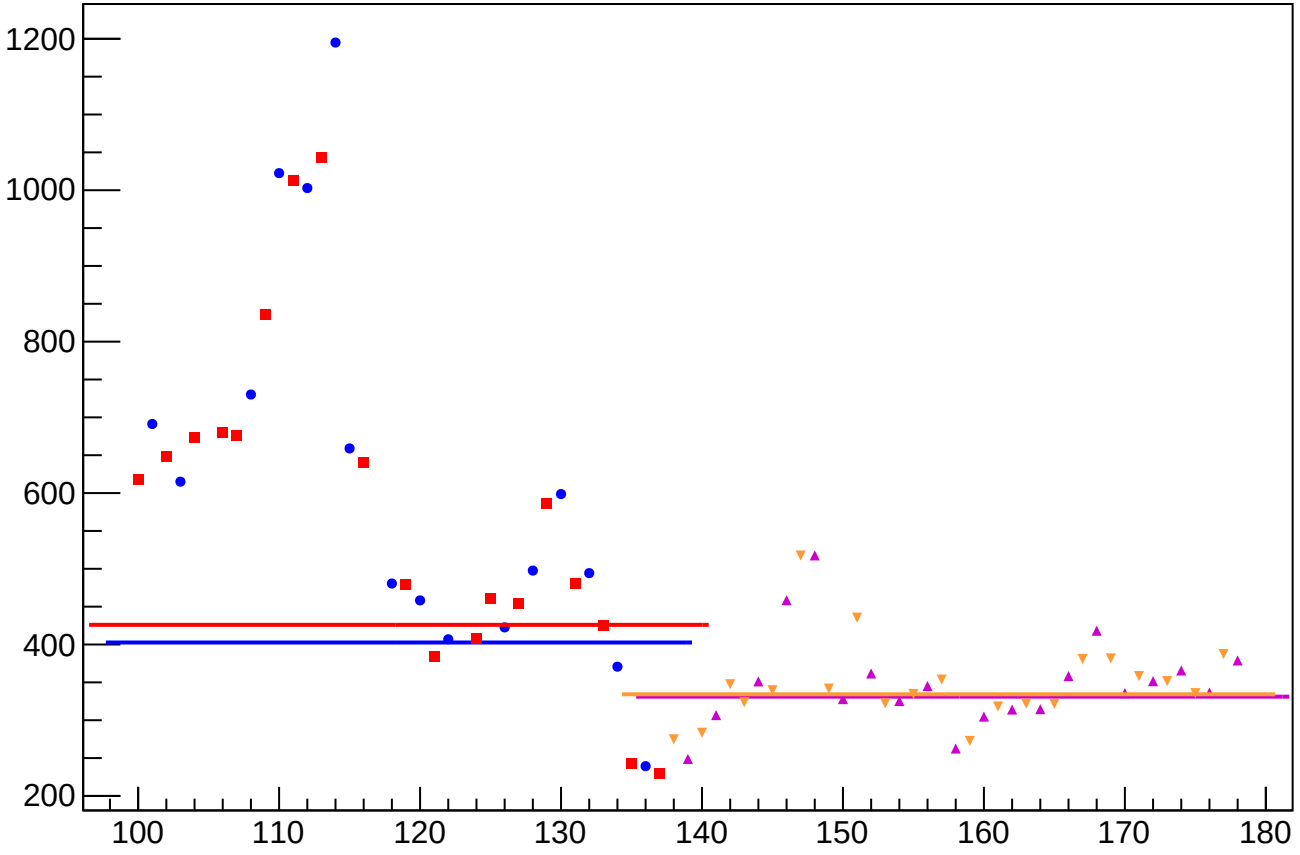
Left In: -22.492+/-83.241 χ^2/NDF:32.9/19

+ sign -36.460+/-73.976 χ^2/NDF: 33.2/36

All: -9.630+/-52.595 χ^2/NDF: 83.5/75

- sign 17.797+/-74.793 χ^2/NDF: 50.0/38

asym_sam1_reg_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 334.270+/-0.059 χ^2/NDF:613369.8/20

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

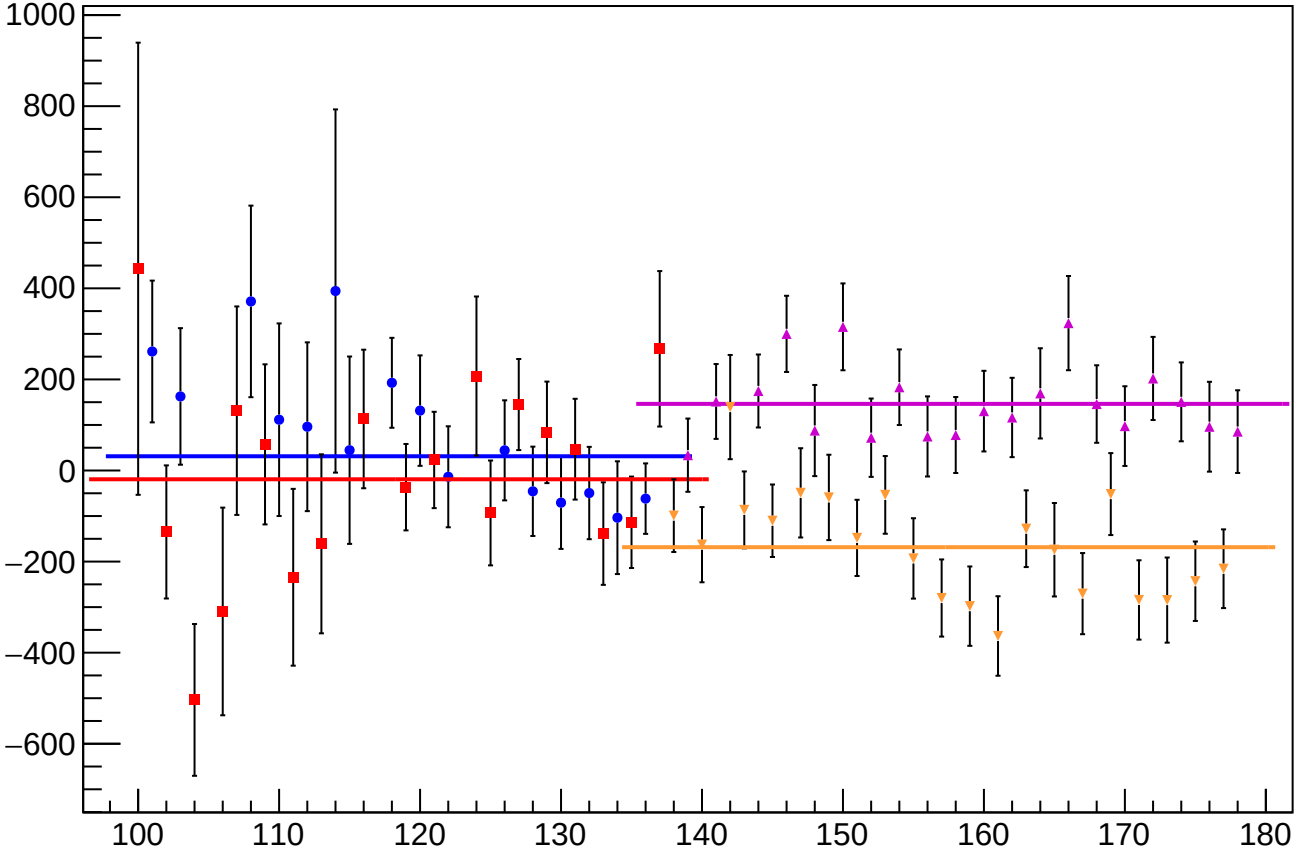
Left In: 331.116+/-0.059 χ^2/NDF:829951.1/19

+ sign 348.224+/-0.052 χ^2/NDF: 3251071.3/36

All: 348.802+/-0.037 χ^2/NDF: 6950529.2/75

- sign 349.393+/-0.053 χ^2/NDF: 3699211.0/38

cor_asym_sam1_mean vs Slug



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -168.391+/-19.230 χ^2/NDF:30.8/20

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

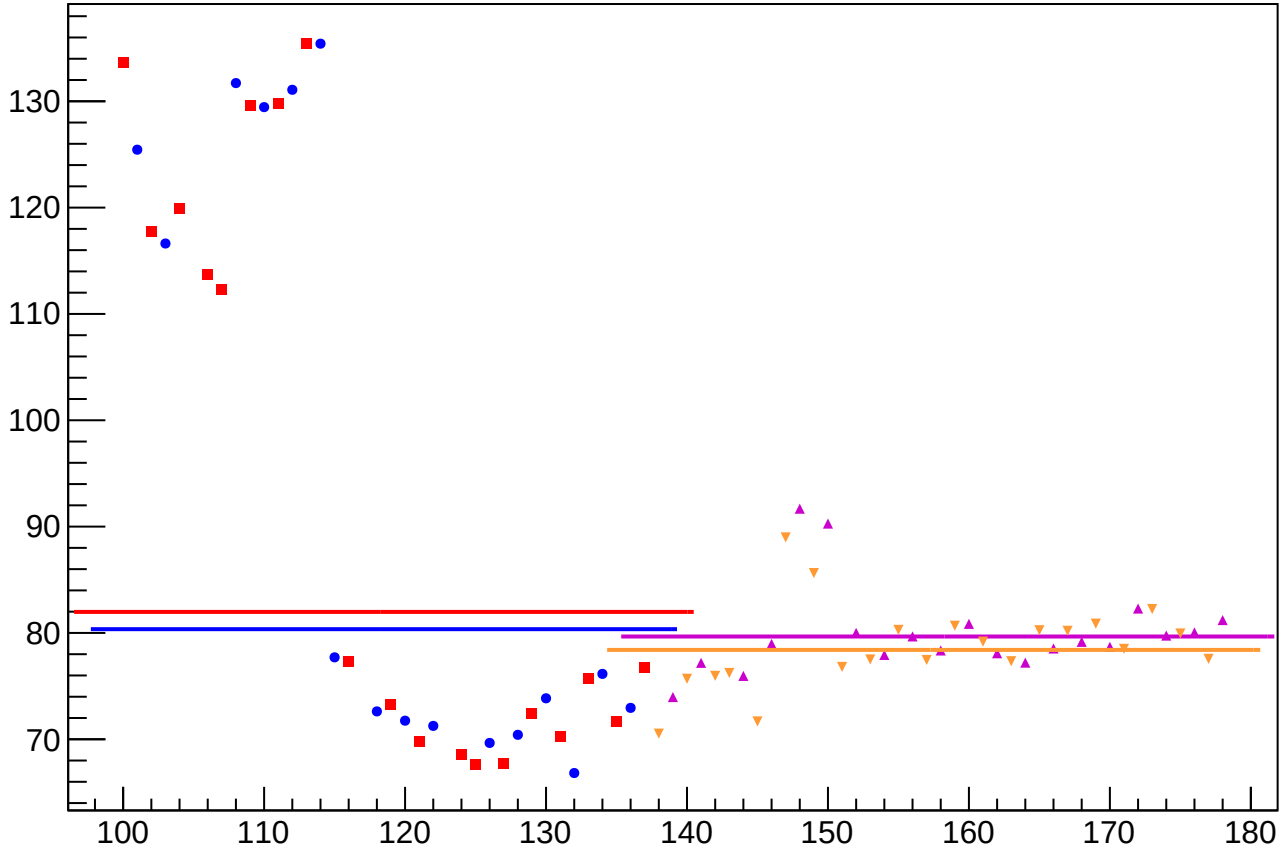
Left In: 146.279+/-19.744 χ^2/NDF:15.8/19

+ sign -112.358+/-16.310 χ^2/NDF: 76.1/36

All: -9.119+/-11.655 χ^2/NDF: 219.7/75

- sign 98.632+/-16.662 χ^2/NDF: 61.7/38

cor_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 78.404+/-0.014 χ^2/NDF:84437.1/20

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

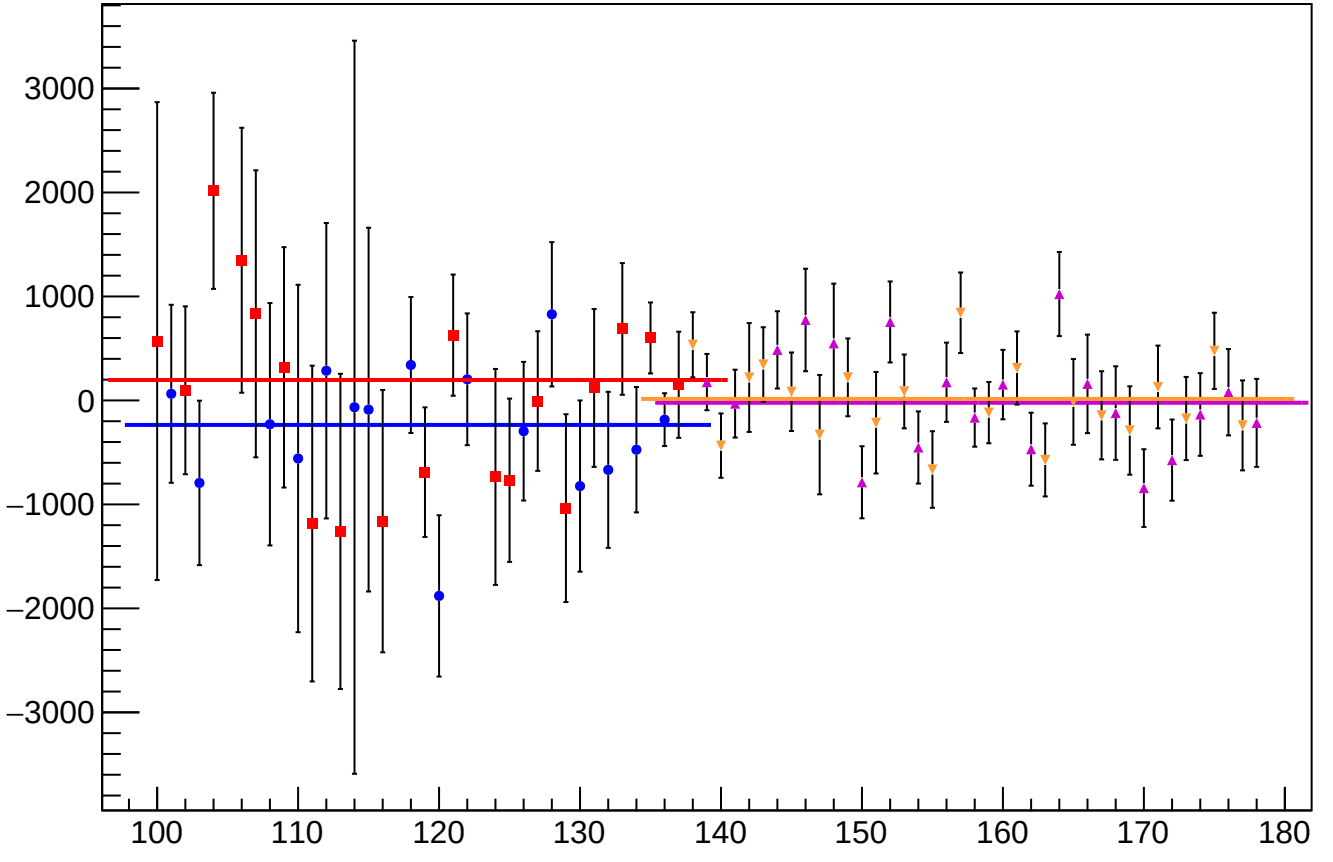
Left In: 79.664+/-0.014 χ^2/NDF:76379.4/19

+ sign 78.951+/-0.012 χ^2/NDF: 930248.1/36

All: 79.626+/-0.008 χ^2/NDF: 1951991.5/75

- sign 80.330+/-0.012 χ^2/NDF: 1014752.5/38

asym_sam1_cor_correction_mean vs Slug



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 14.570+/-82.918 χ^2/NDF:21.4/20

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

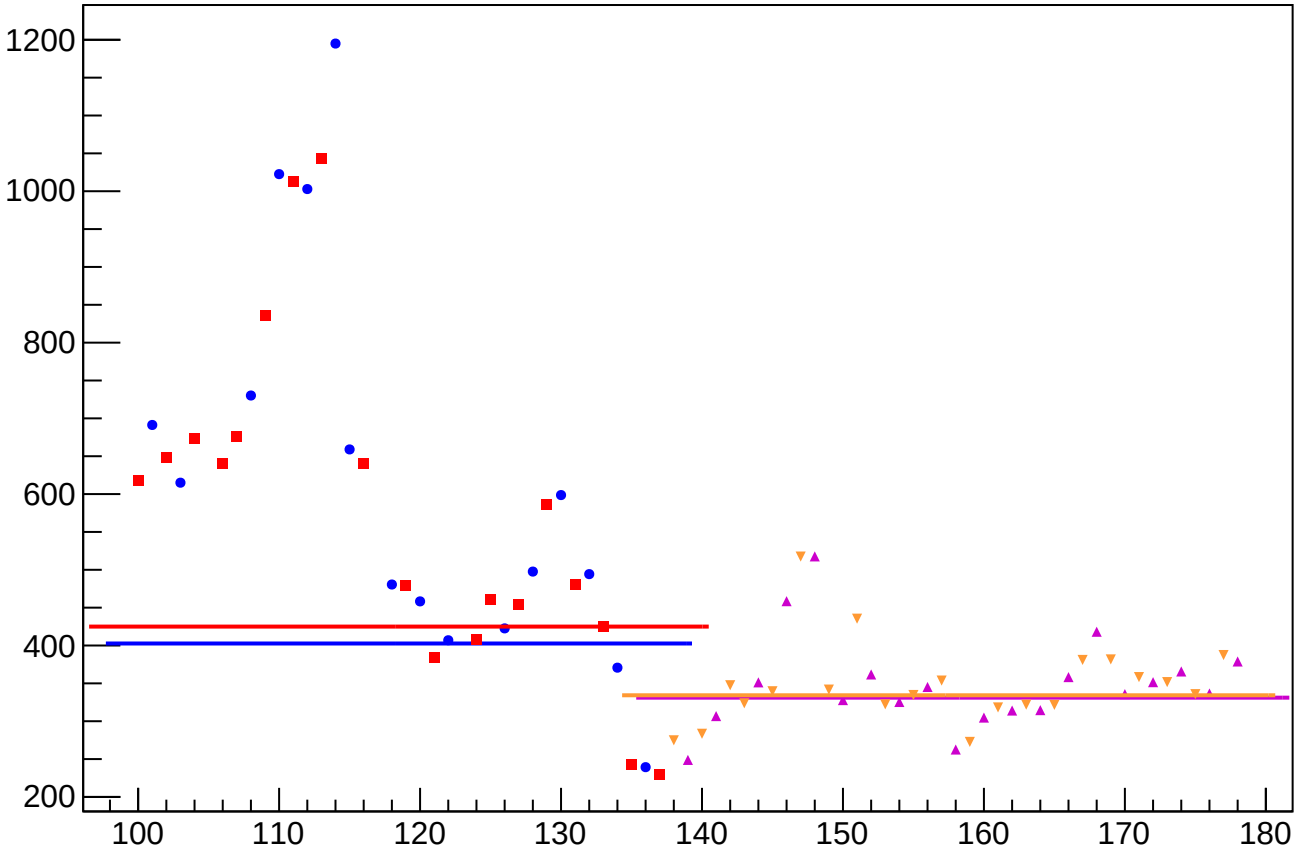
Left In: -22.488+/-83.241 χ^2/NDF:32.9/19

+ sign -36.461+/-73.976 χ^2/NDF: 33.2/36

All: -8.702+/-52.598 χ^2/NDF: 84.3/75

- sign 19.681+/-74.802 χ^2/NDF: 50.8/38

asym_sam1_cor_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 334.270+/-0.059 χ^2/NDF:613378.3/20

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

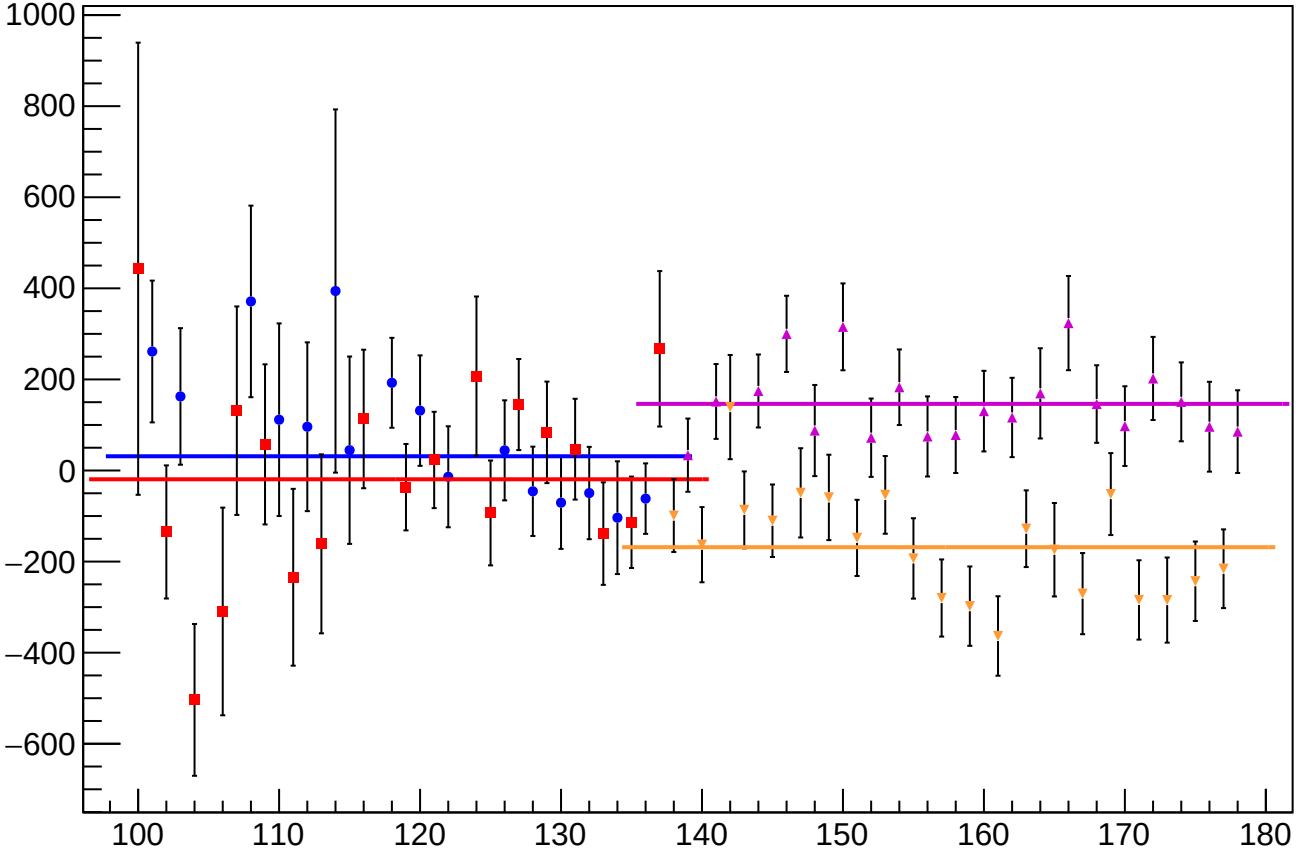
Left In: 331.116+/-0.059 χ^2/NDF:829951.5/19

+ sign 348.224+/-0.052 χ^2/NDF: 3251077.7/36

All: 348.699+/-0.037 χ^2/NDF: 6911823.6/75

- sign 349.185+/-0.053 χ^2/NDF: 3660579.0/38

eigen_cor_asym_sam1_mean vs Slug



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -168.391+/-19.230 χ^2/NDF:30.8/20

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

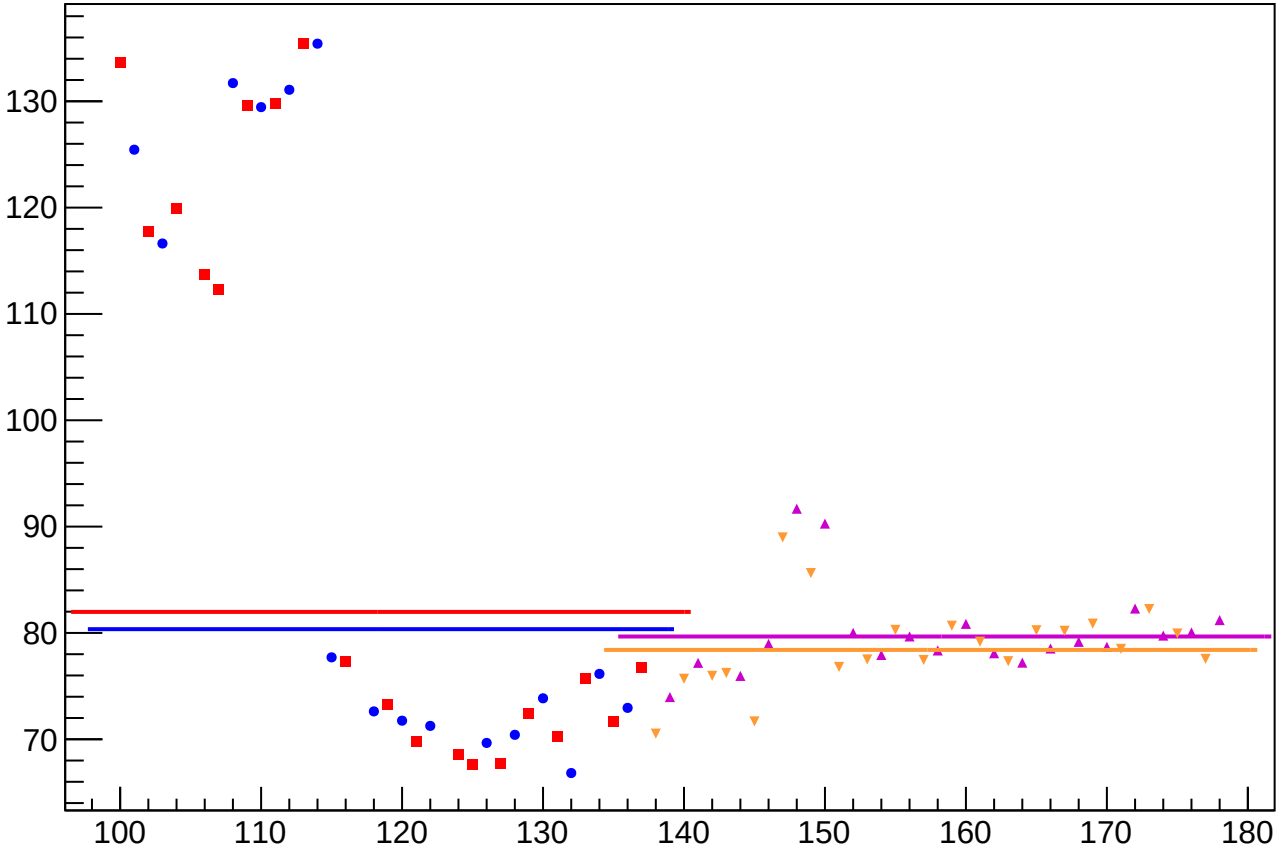
Left In: 146.279+/-19.744 χ^2/NDF:15.8/19

+ sign -112.358+/-16.310 χ^2/NDF: 76.1/36

All: -9.119+/-11.655 χ^2/NDF: 219.7/75

- sign 98.632+/-16.662 χ^2/NDF: 61.7/38

eigen_cor_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 78.404+/-0.014 χ^2/NDF:84437.1/20

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

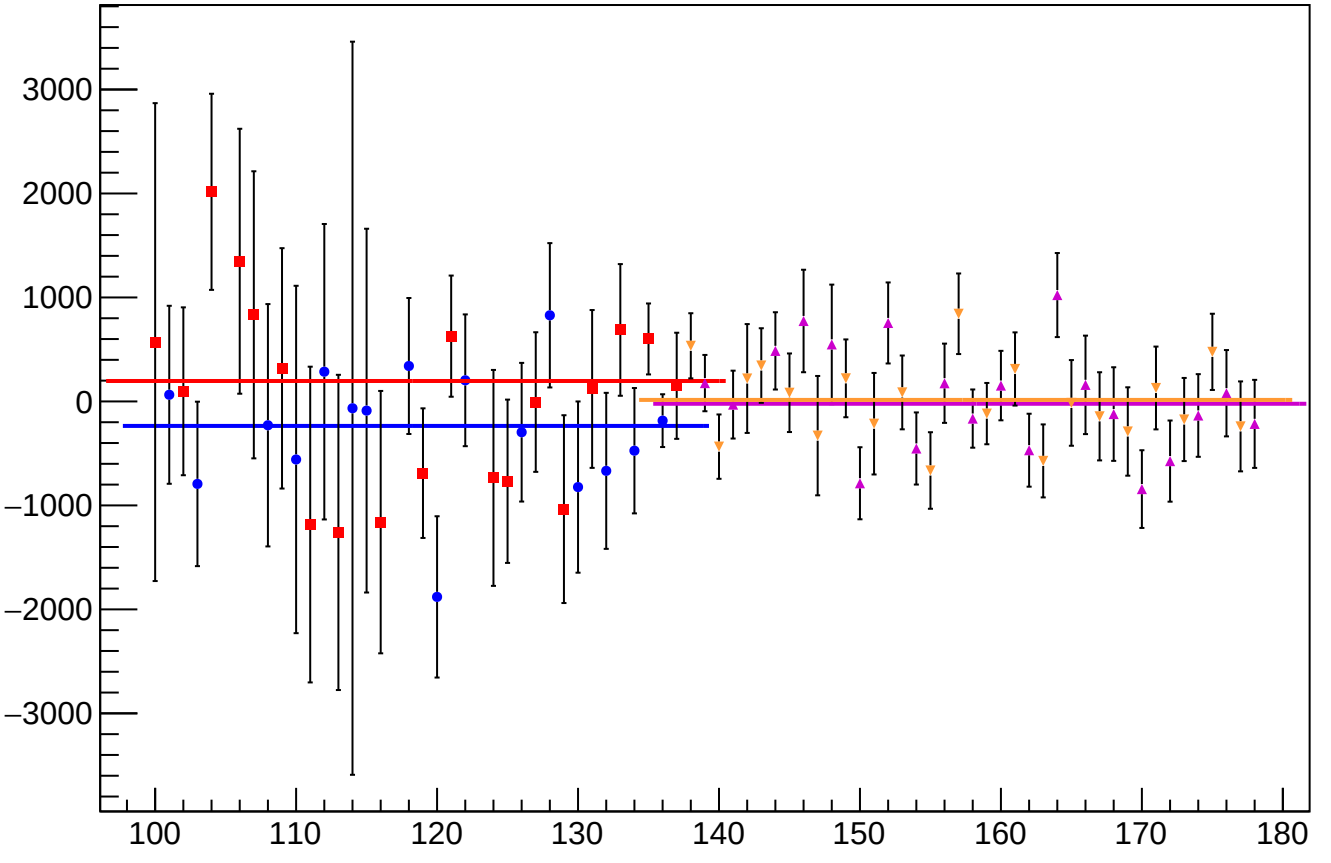
Left In: 79.664+/-0.014 χ^2/NDF:76379.4/19

+ sign 78.951+/-0.012 χ^2/NDF: 930248.1/36

All: 79.626+/-0.008 χ^2/NDF: 1951991.5/75

- sign 80.330+/-0.012 χ^2/NDF: 1014752.5/38

asym_sam1_eigen_cor_correction_mean vs Slug



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 14.570+/-82.918 χ^2/NDF:21.4/20

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

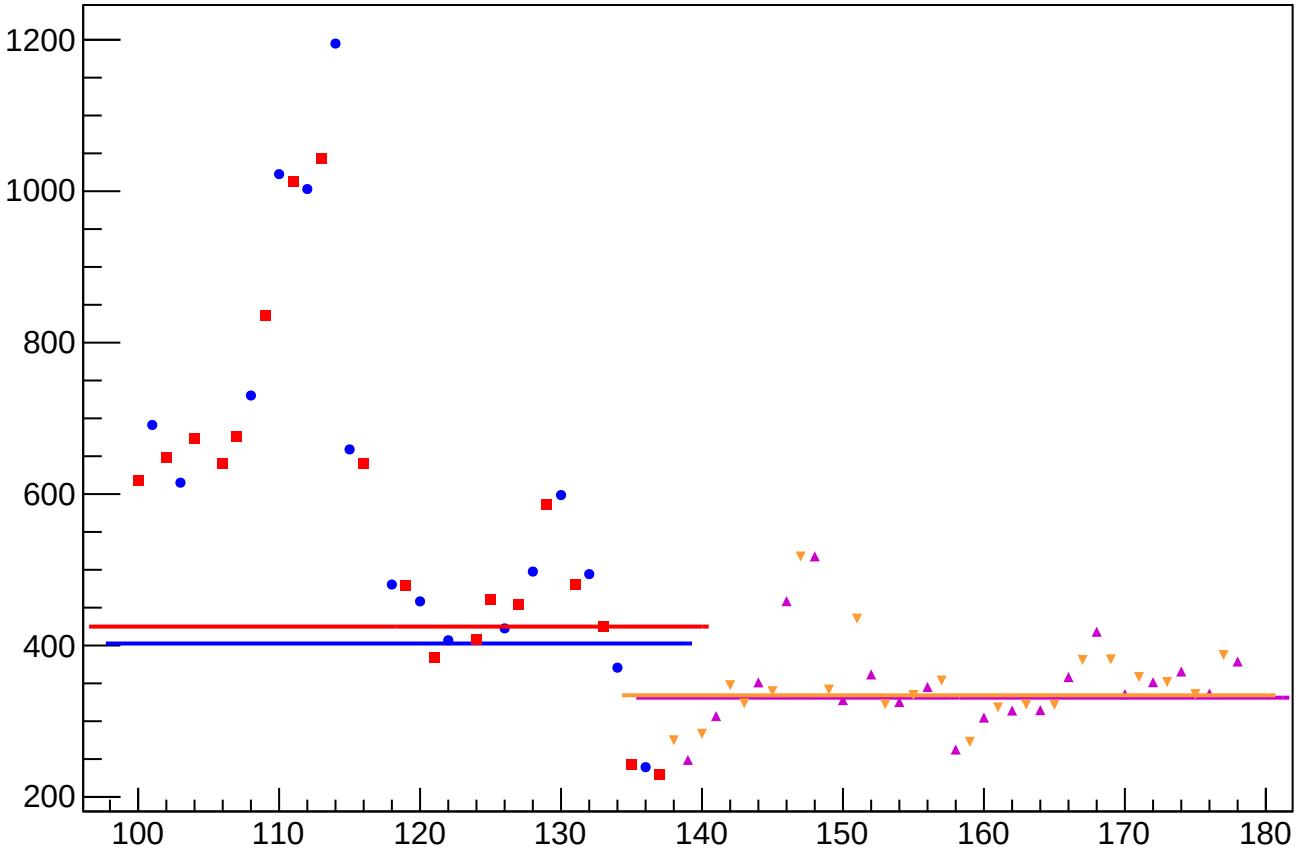
Left In: -22.488+/-83.241 χ^2/NDF:32.9/19

+ sign -36.461+/-73.976 χ^2/NDF: 33.2/36

All: -8.702+/-52.598 χ^2/NDF: 84.3/75

- sign 19.681+/-74.802 χ^2/NDF: 50.8/38

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 334.270+/-0.059 χ^2/NDF:613378.3/20

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

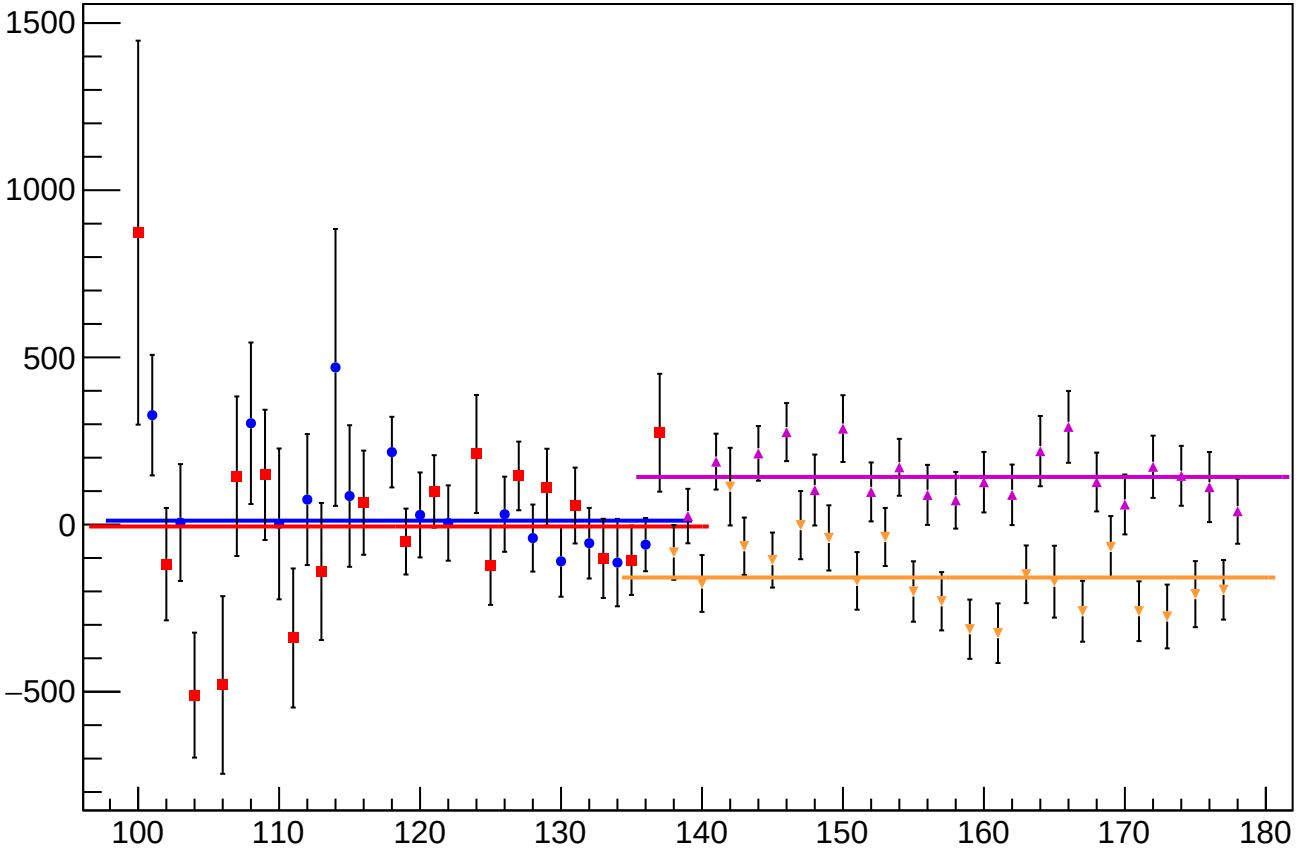
Left In: 331.116+/-0.059 χ^2/NDF:829951.5/19

+ sign 348.224+/-0.052 χ^2/NDF: 3251077.7/36

All: 348.699+/-0.037 χ^2/NDF: 6911823.6/75

- sign 349.185+/-0.053 χ^2/NDF: 3660579.0/38

dit_asym_sam1_mean vs Slug



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -158.378+/-19.826 χ^2/NDF:26.6/20

Right Out: -5.817+/-32.444 χ^2/NDF: 28.8/18

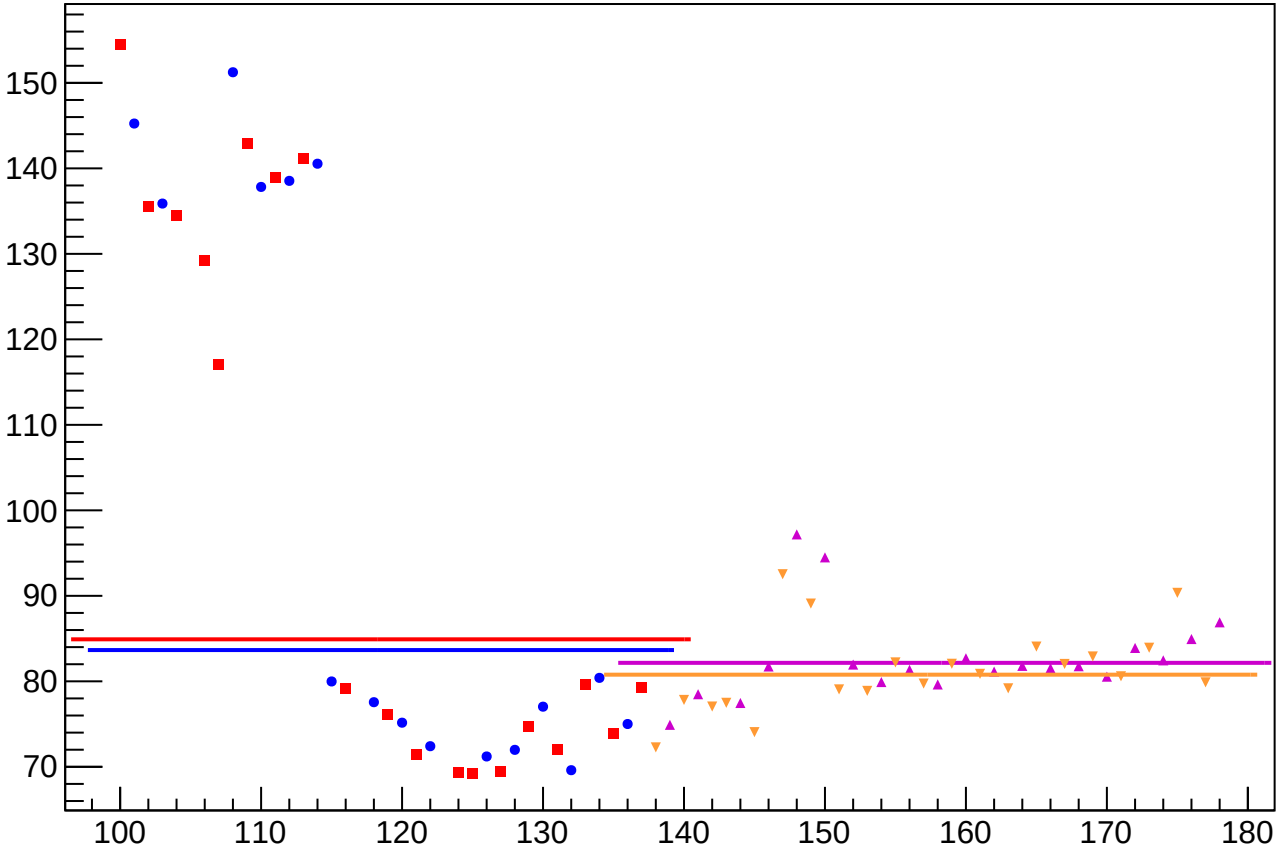
Left In: 142.342+/-20.382 χ^2/NDF:14.2/19

+ sign -111.843+/-16.896 χ^2/NDF: 60.2/36

All: -7.966+/-12.074 χ^2/NDF: 195.4/75

- sign 100.416+/-17.259 χ^2/NDF: 57.9/38

dit_asym_sam1_rms vs Slug



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 80.778+/-0.014 χ^2/NDF:111605.7/20

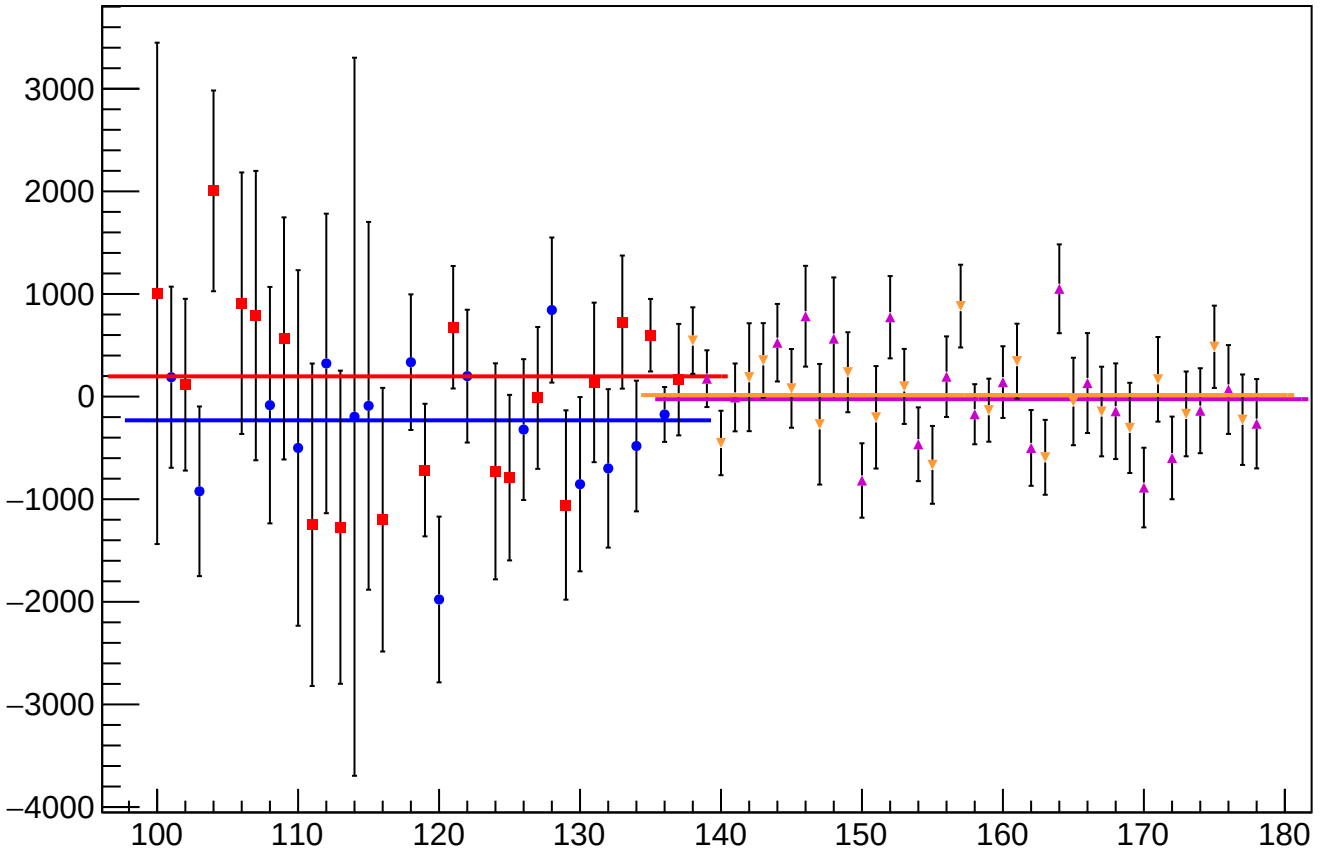
Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

Left In: 82.162+/-0.014 χ^2/NDF:108340.7/19

+ sign 81.566+/-0.012 χ^2/NDF: 1157943.0/36

All: 82.239+/-0.009 χ^2/NDF: 2404740.9/75

- sign 82.940+/-0.012 χ^2/NDF: 1240322.5/38



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 14.977+/-85.631 χ^2/NDF:21.1/20

Right Out: 197.206+/-176.091 χ^2/NDF: 15.9/18

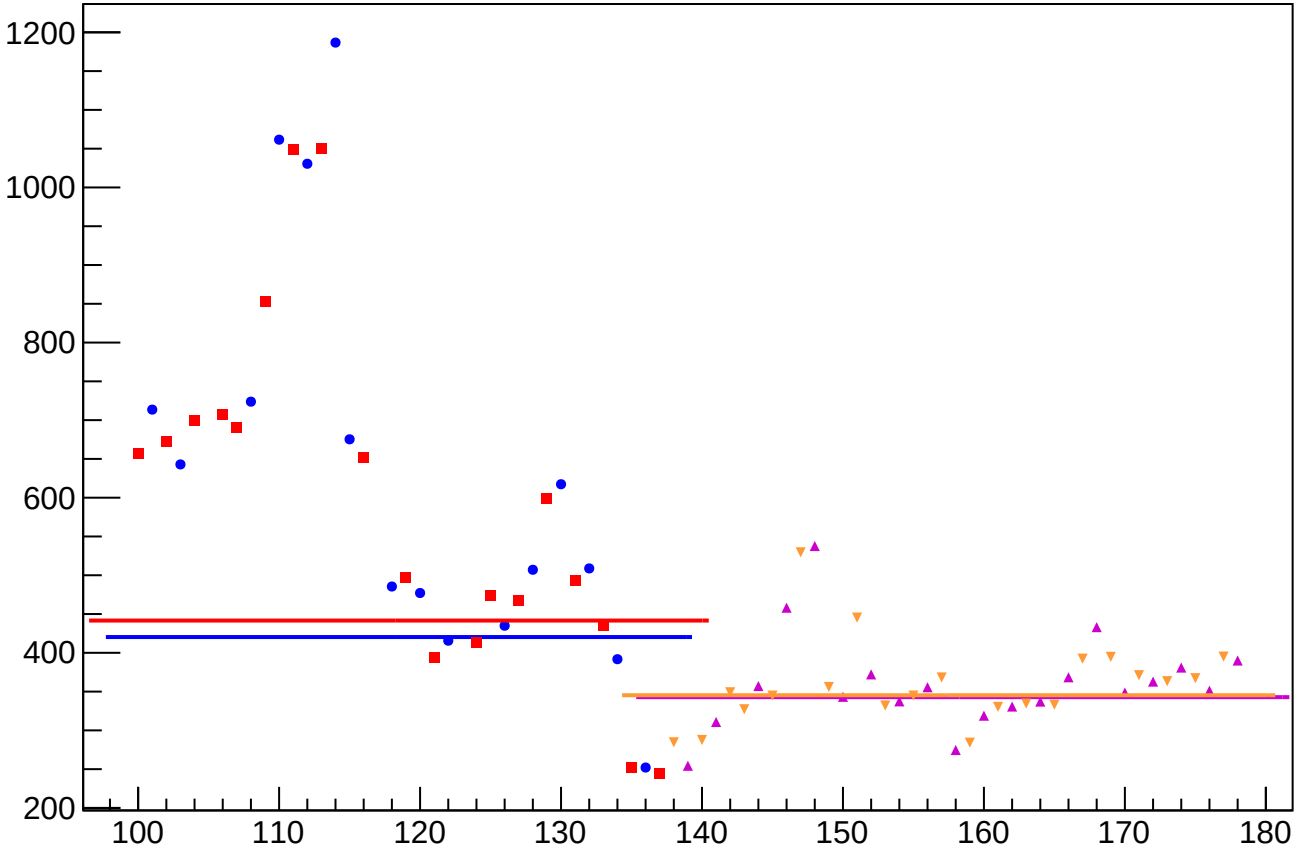
Left In: -25.406+/-86.130 χ^2/NDF:32.7/19

\+ sign -34.824+/-76.489 χ^2/NDF: 33.1/36

All: -8.927+/-54.395 χ^2/NDF: 83.3/75

\- sign 17.570+/-77.371 χ^2/NDF: 49.9/38

asym_sam1_dit_correction_rms vs Slug



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 345.304+/-0.061 χ^2/NDF:608217.9/20

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

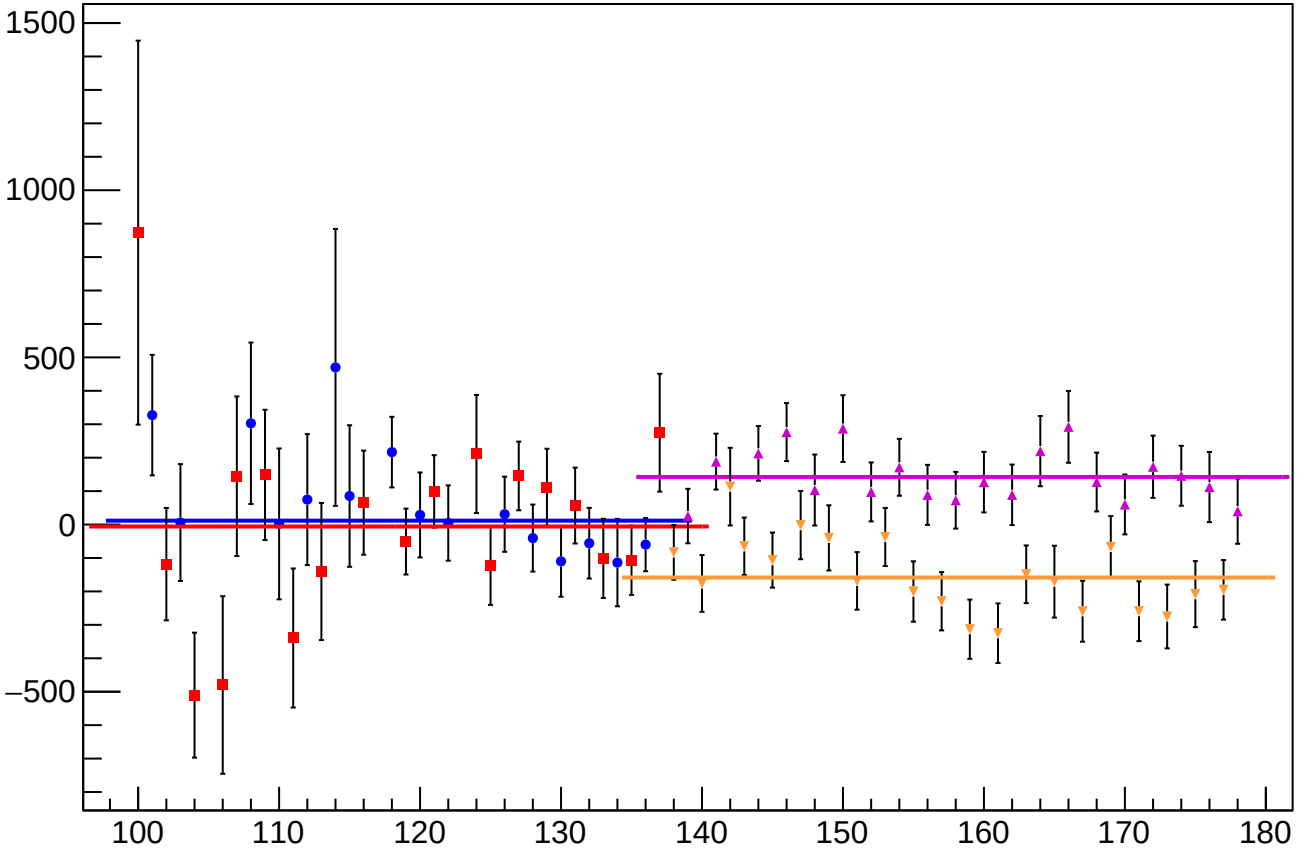
Left In: 342.828+/-0.061 χ^2/NDF:810157.1/19

+ sign 360.469+/-0.054 χ^2/NDF: 3173142.7/36

All: 361.174+/-0.038 χ^2/NDF: 6798976.8/75

- sign 361.896+/-0.055 χ^2/NDF: 3625489.7/38

eigen_dit_asym_sam1_mean vs Slug



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -158.378+/-19.826 χ^2/NDF:26.6/20

Right Out: -5.816+/-32.444 χ^2/NDF: 28.8/18

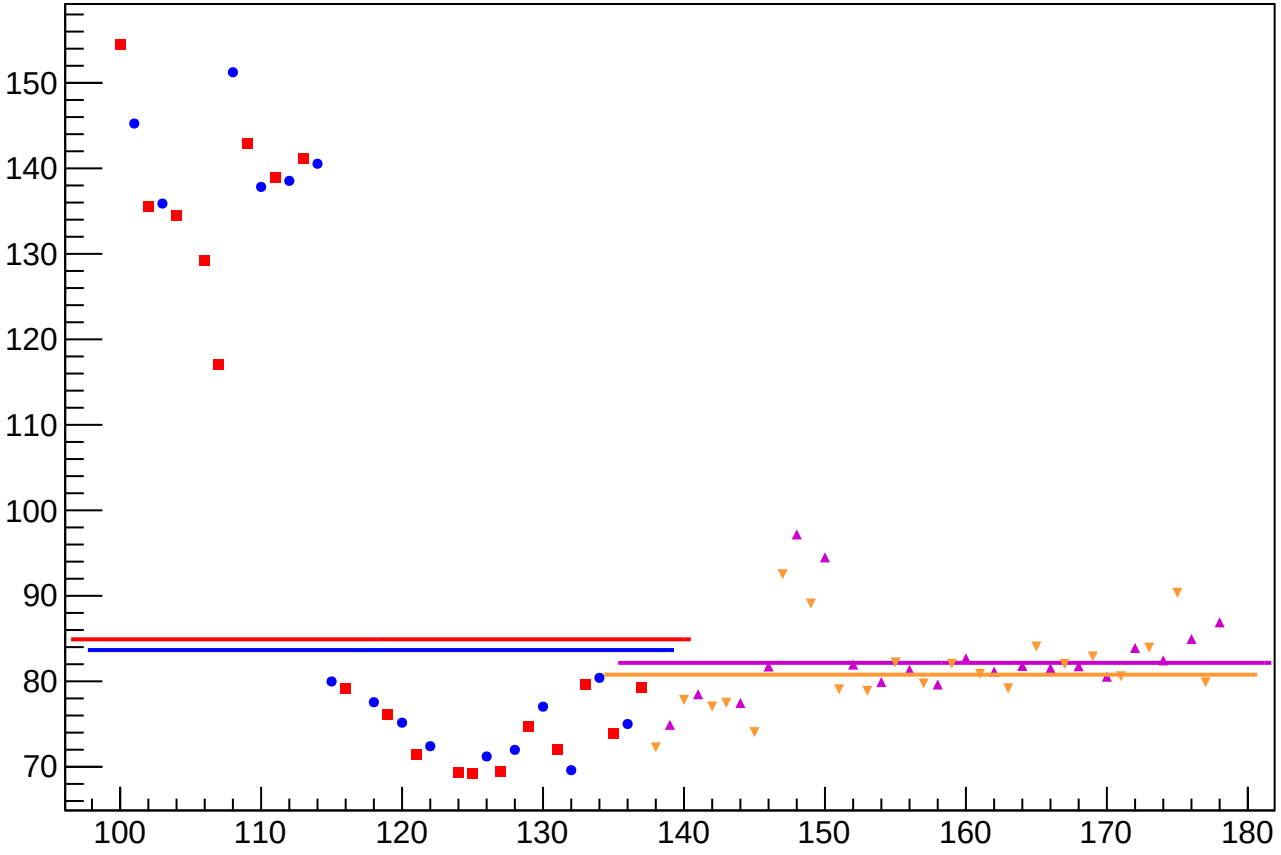
Left In: 142.342+/-20.382 χ^2/NDF:14.2/19

+ sign -111.843+/-16.896 χ^2/NDF: 60.2/36

All: -7.965+/-12.074 χ^2/NDF: 195.4/75

- sign 100.416+/-17.259 χ^2/NDF: 57.9/38

eigen_dit_asym_sam1_rms vs Slug



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 80.778+/-0.014 χ^2/NDF:111605.1/20

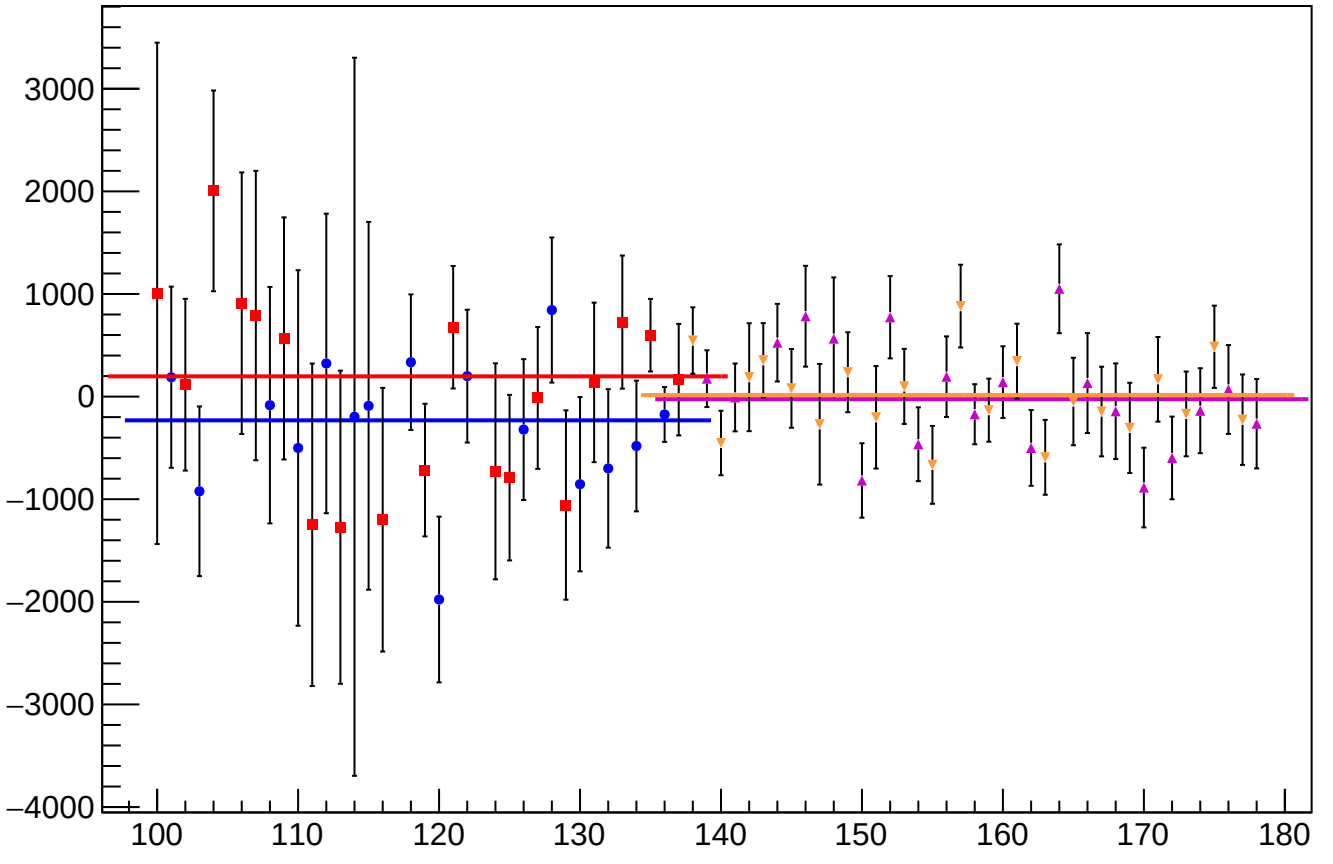
Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

Left In: 82.162+/-0.014 χ^2/NDF:108339.7/19

+ sign 81.566+/-0.012 χ^2/NDF: 1157941.5/36

All: 82.239+/-0.009 χ^2/NDF: 2404736.9/75

- sign 82.940+/-0.012 χ^2/NDF: 1240320.1/38



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 14.977+/-85.631 χ^2/NDF:21.1/20

Right Out: 197.207+/-176.091 χ^2/NDF: 15.9/18

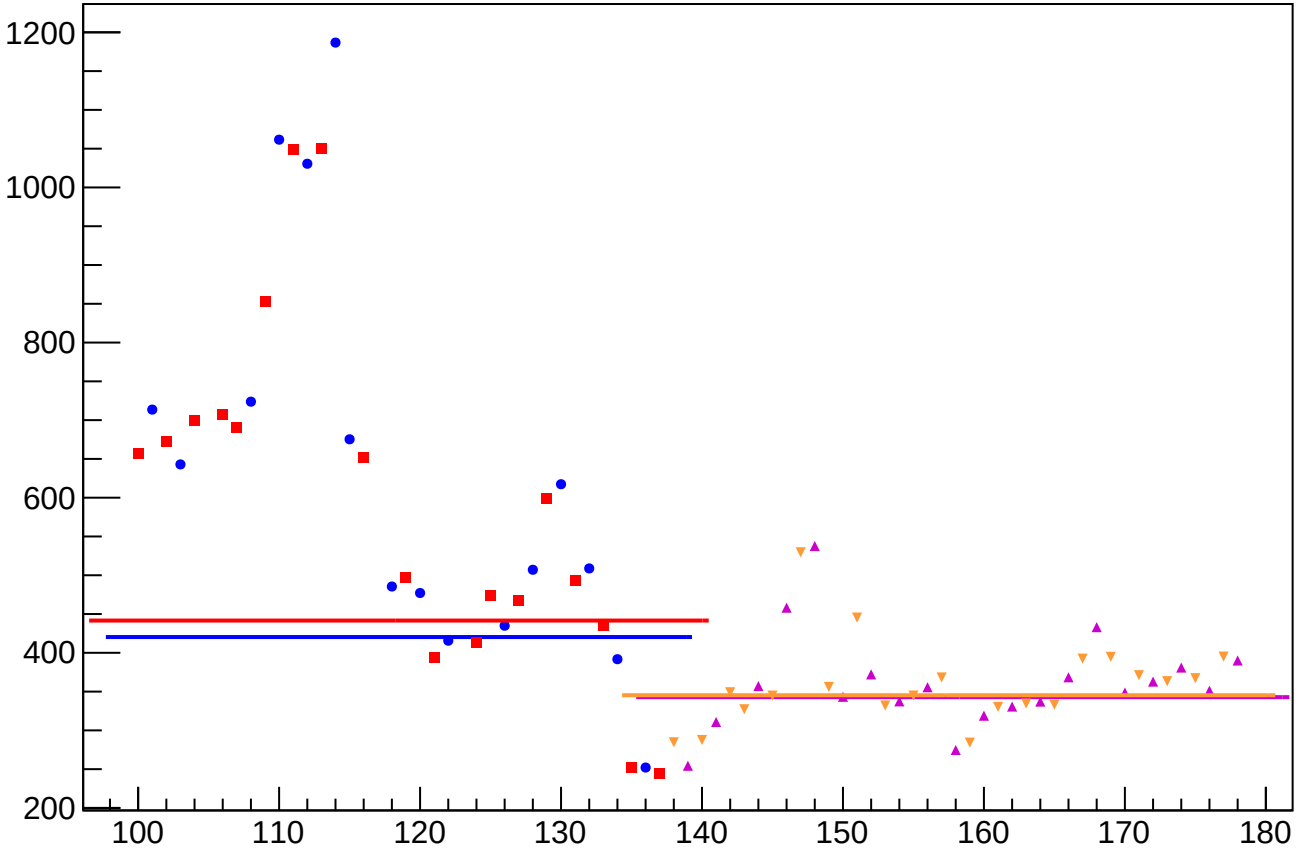
Left In: -25.406+/-86.130 χ^2/NDF:32.7/19

+ sign -34.824+/-76.489 χ^2/NDF: 33.1/36

All: -8.927+/-54.395 χ^2/NDF: 83.3/75

- sign 17.571+/-77.371 χ^2/NDF: 49.9/38

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 345.304+/-0.061 χ^2/NDF:608219.1/20

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

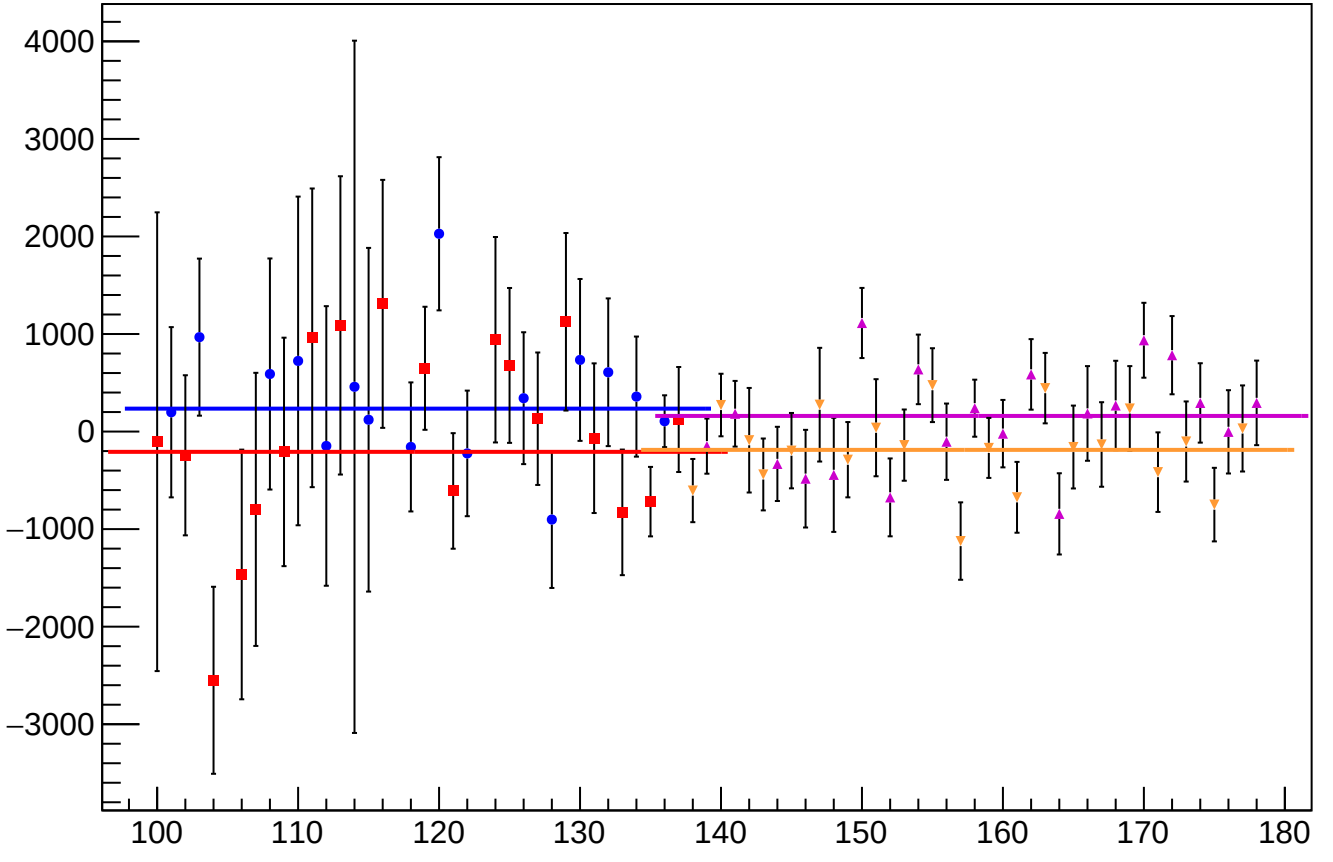
Left In: 342.828+/-0.061 χ^2/NDF:810160.0/19

+ sign 360.468+/-0.054 χ^2/NDF: 3173144.8/36

All: 361.174+/-0.038 χ^2/NDF: 6798982.4/75

- sign 361.896+/-0.055 χ^2/NDF: 3625493.3/38

asym_sam1_mean vs Slug



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -187.742+/-85.299 χ^2/NDF:22.4/20

Right Out: -207.936+/-174.716 χ^2/NDF: 20.4/18

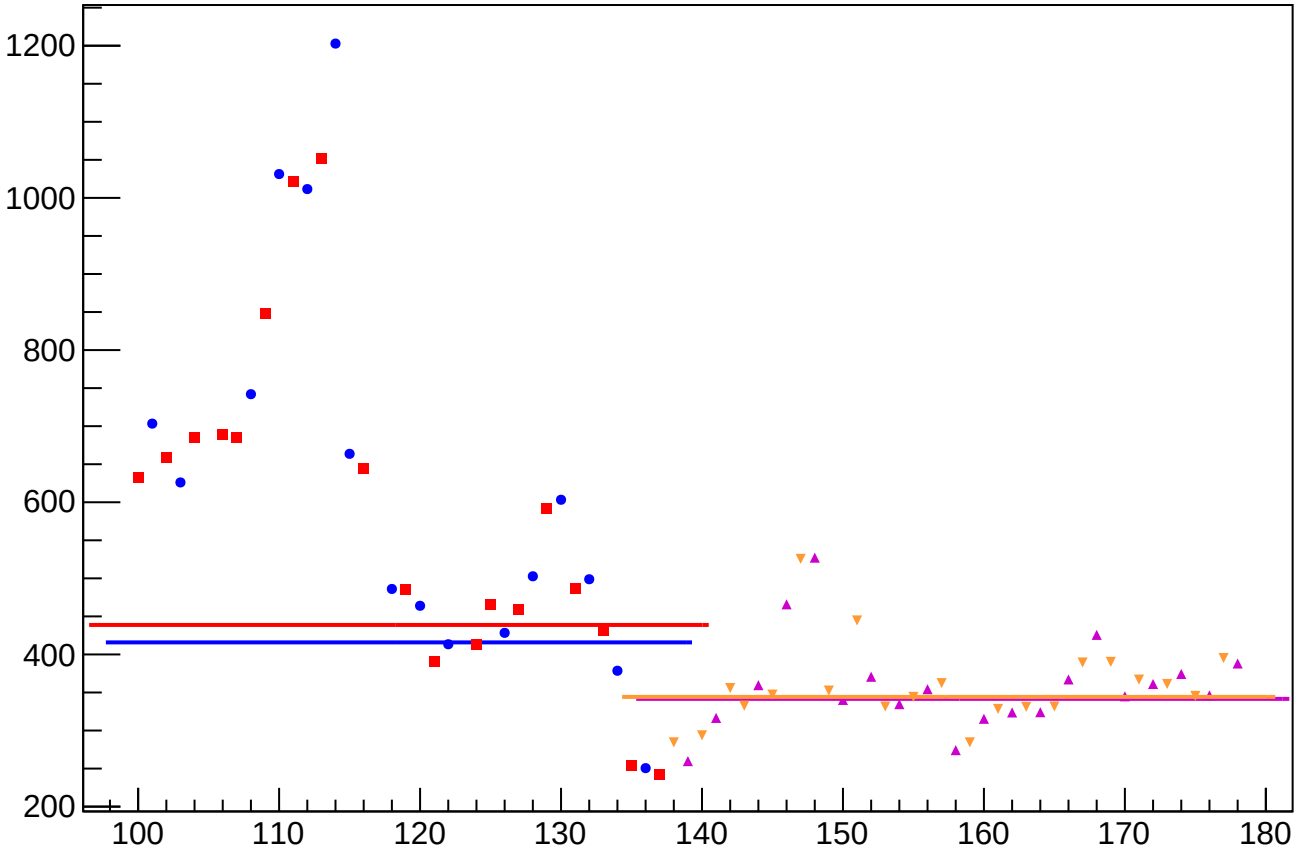
Left In: 160.225+/-85.768 χ^2/NDF:33.7/19

+ sign -101.249+/-76.076 χ^2/NDF: 38.1/36

All: -7.395+/-54.115 χ^2/NDF: 98.9/75

- sign 88.733+/-76.992 χ^2/NDF: 57.6/38

asym_sam1_rms vs Slug



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 344.220+/-0.060 χ^2/NDF:567790.6/20

Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

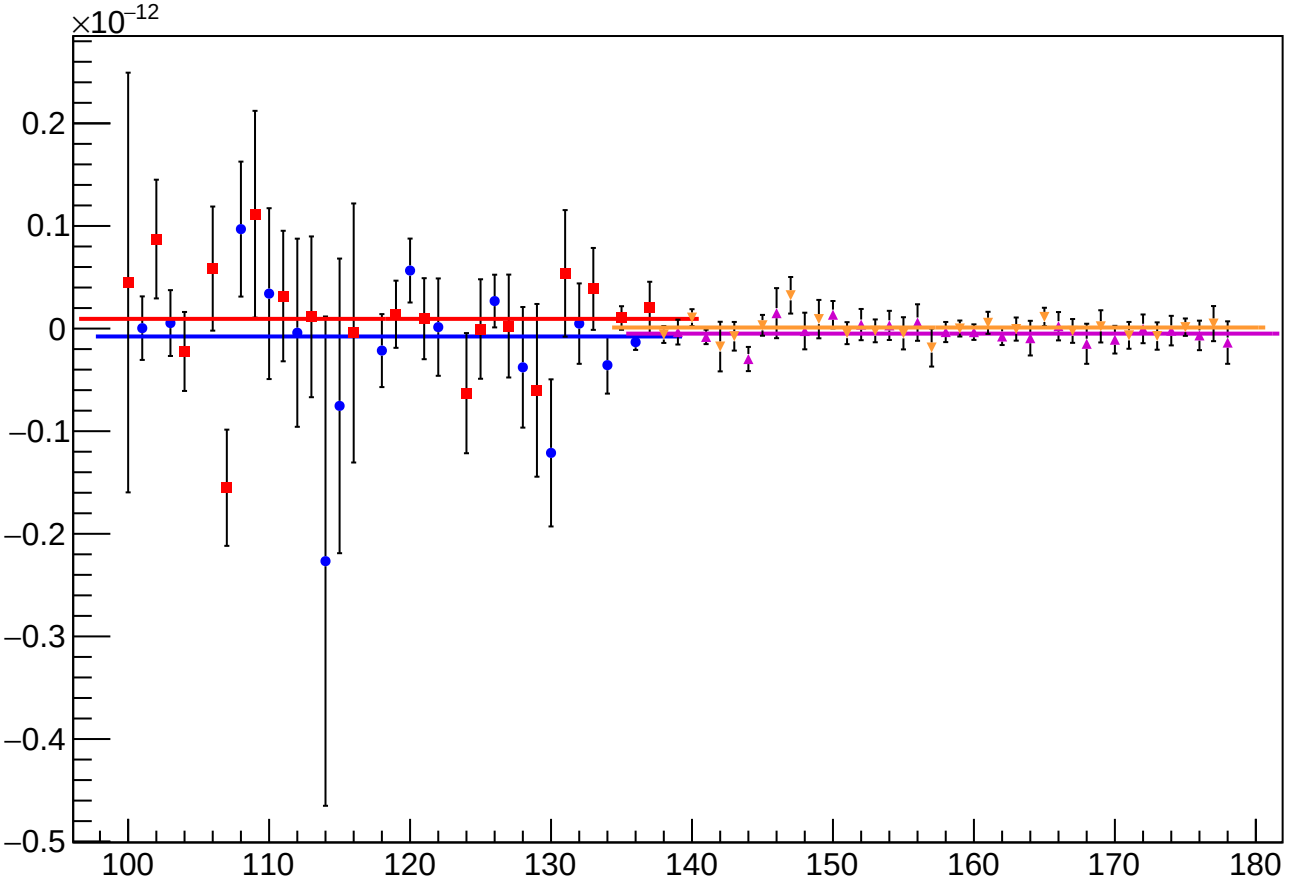
Left In: 341.612+/-0.061 χ^2/NDF:761609.1/19

+ sign 358.871+/-0.054 χ^2/NDF: 3080176.5/36

All: 359.666+/-0.038 χ^2/NDF: 6575411.1/75

- sign 360.479+/-0.054 χ^2/NDF: 3494793.1/38

asym_sam1_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:10.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

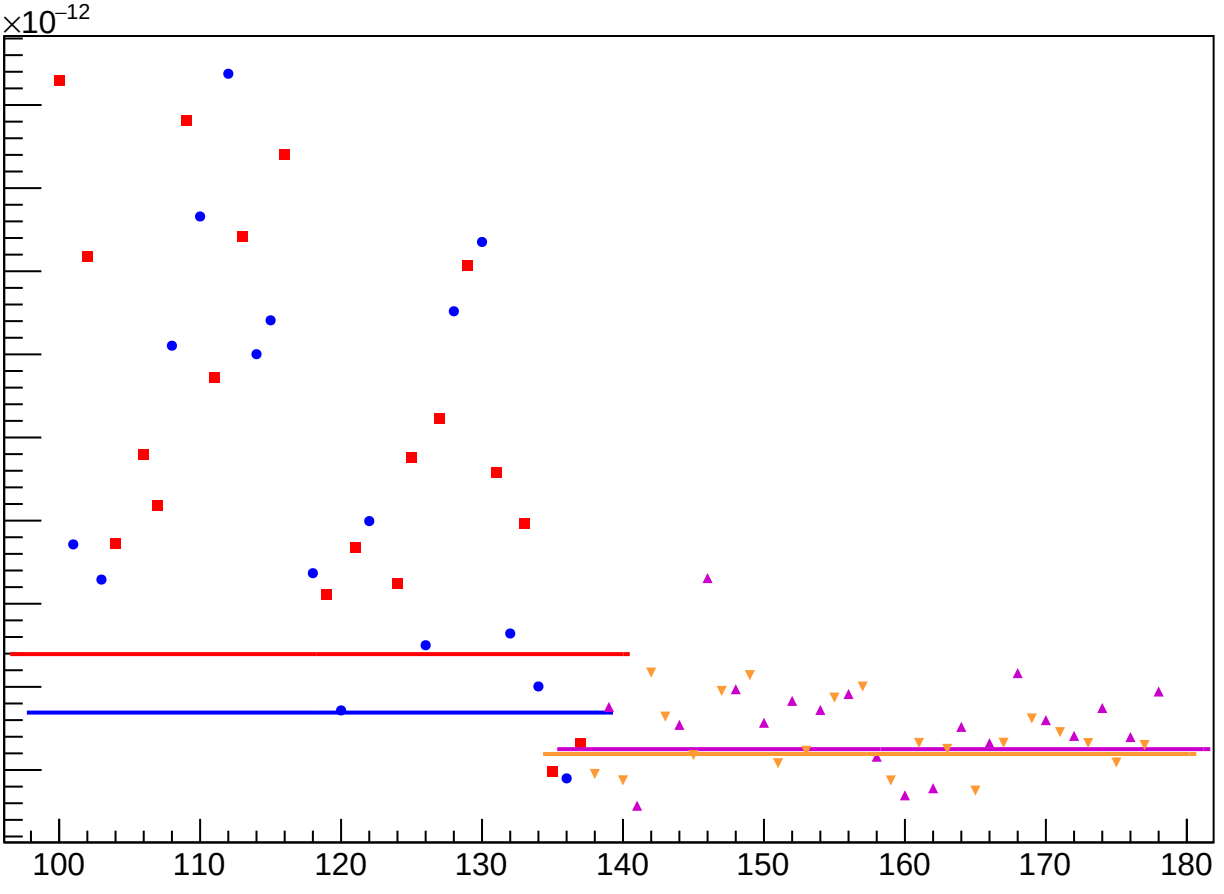
Left In: -0.000+/-0.000 χ^2/NDF:9.6/19

+ sign -0.000+/-0.000 χ^2/NDF: 26.8/36

All: -0.000+/-0.000 χ^2/NDF: 56.4/75

- sign -0.000+/-0.000 χ^2/NDF: 28.7/38

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:956754.0/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2760154.9/18

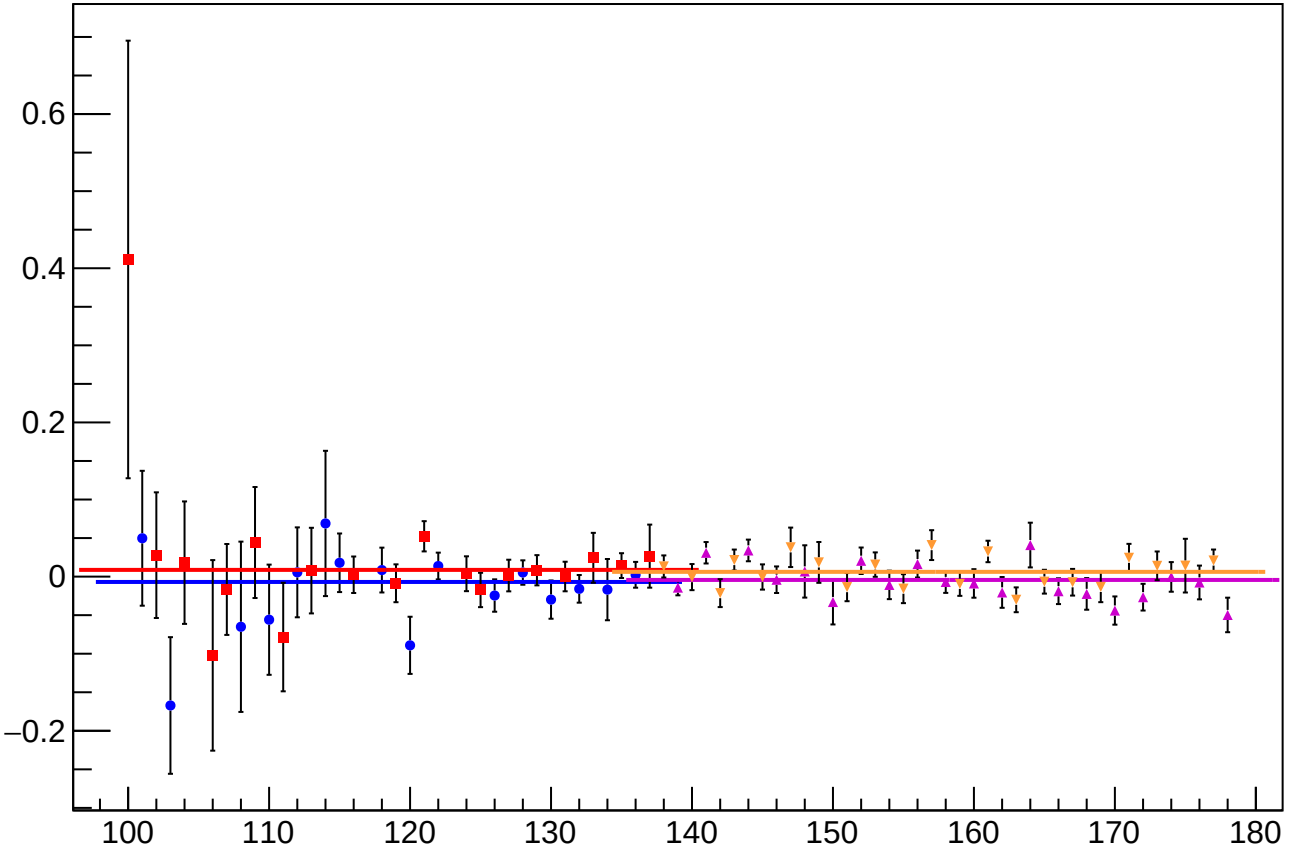
Left In: 0.000+/-0.000 χ^2/NDF:1967635.2/19

+ sign 0.000+/-0.000 χ^2/NDF: 3993875.2/36

All: 0.000+/-0.000 χ^2/NDF: 9650155.8/75

- sign 0.000+/-0.000 χ^2/NDF: 5610976.1/38

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+/-0.004 χ^2/NDF:26.3/20

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

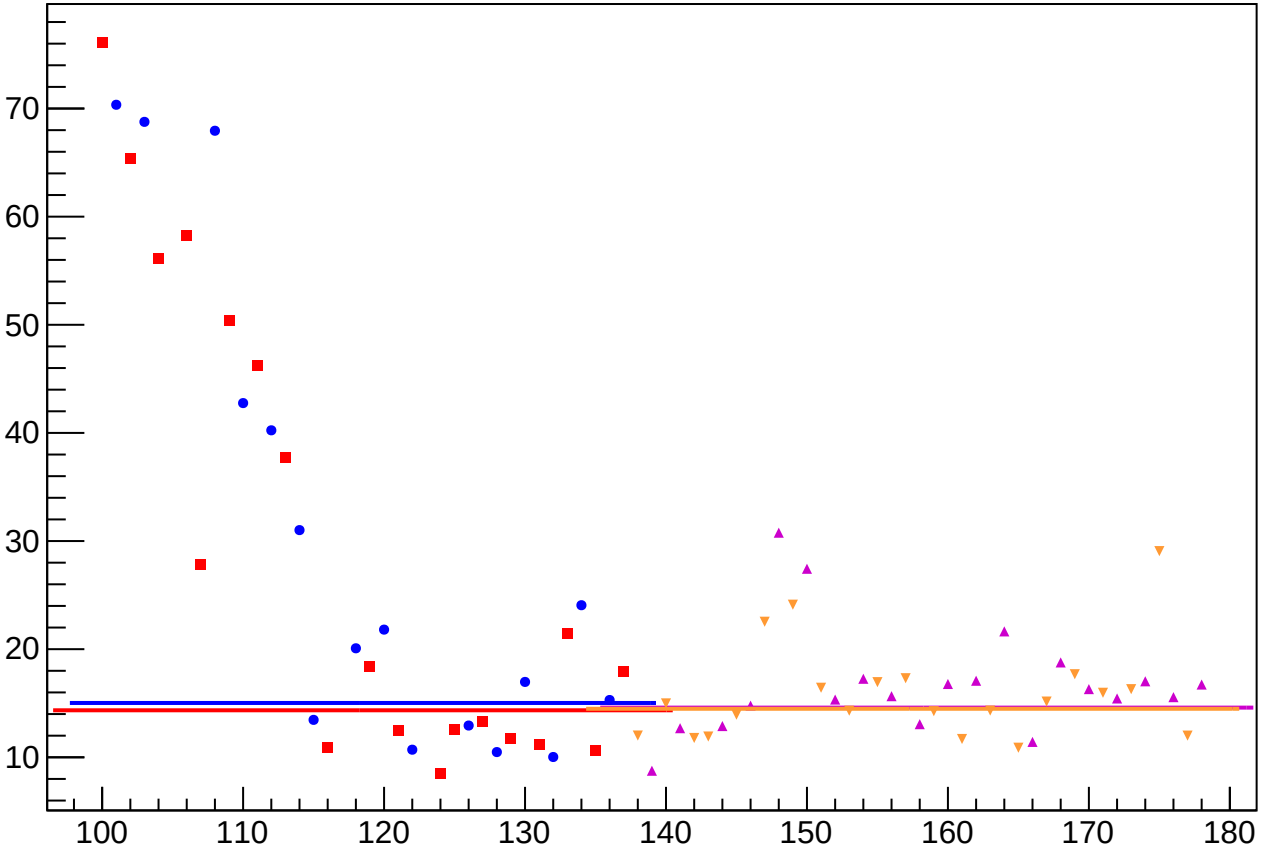
Left In: -0.004+/-0.004 χ^2/NDF:34.8/19

+ sign 0.003+/-0.003 χ^2/NDF: 44.1/36

All: 0.001+/-0.002 χ^2/NDF: 95.2/75

- sign -0.001+/-0.003 χ^2/NDF: 50.5/38

asym_sam1_dit_vs_cor_diff_rms vs Slug



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.489+/-0.003 χ^2/NDF:1429707.0/20

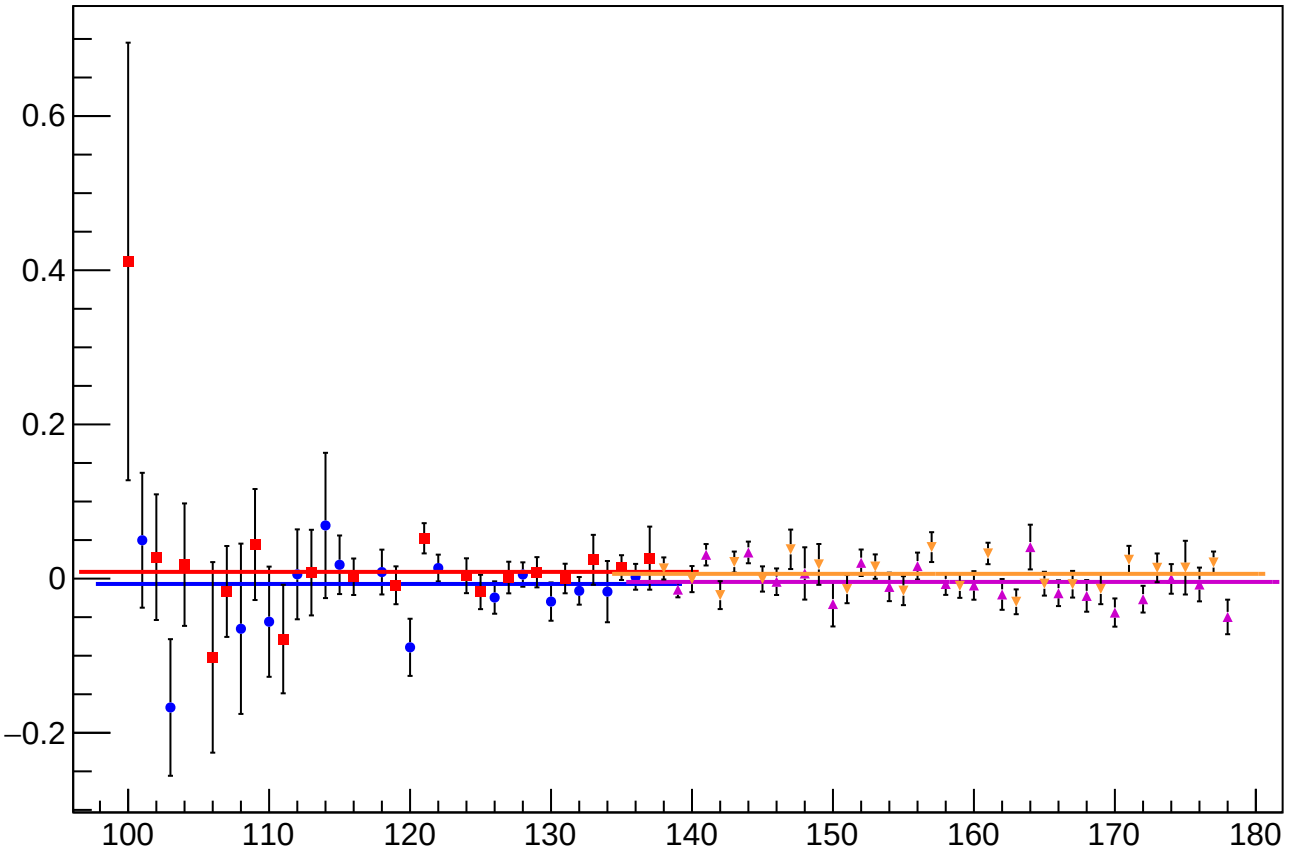
Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 14.595+/-0.003 χ^2/NDF:2070942.9/19

+ sign 14.616+/-0.002 χ^2/NDF: 4877669.5/36

All: 14.573+/-0.002 χ^2/NDF: 10580515.5/75

- sign 14.528+/-0.002 χ^2/NDF: 5702138.0/38



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.004 χ^2/NDF:26.3/20

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

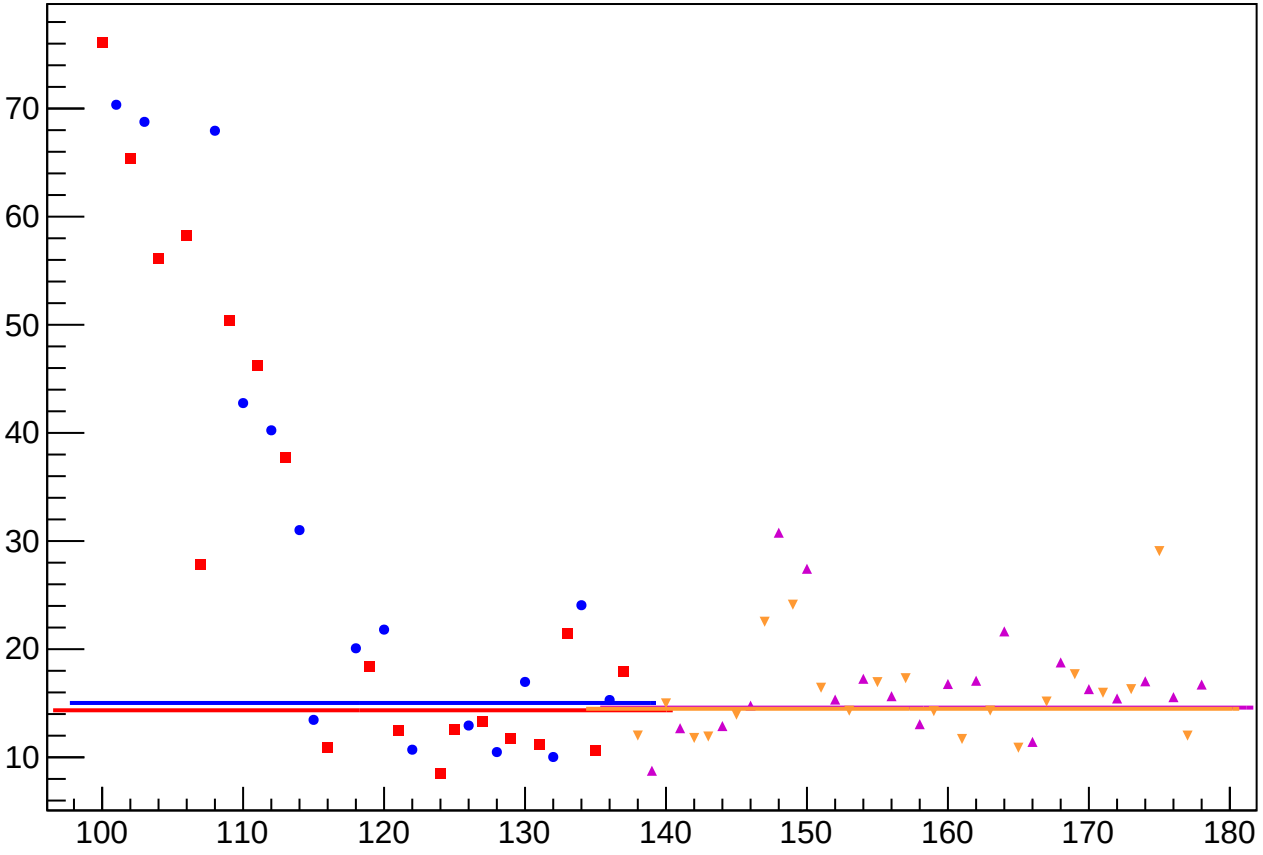
Left In: -0.004+/-0.004 χ^2/NDF:34.8/19

+ sign 0.003+/-0.003 χ^2/NDF: 44.1/36

All: 0.001+/-0.002 χ^2/NDF: 95.2/75

- sign -0.001+/-0.003 χ^2/NDF: 50.5/38

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.489+/-0.003 χ^2/NDF:1429707.0/20

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

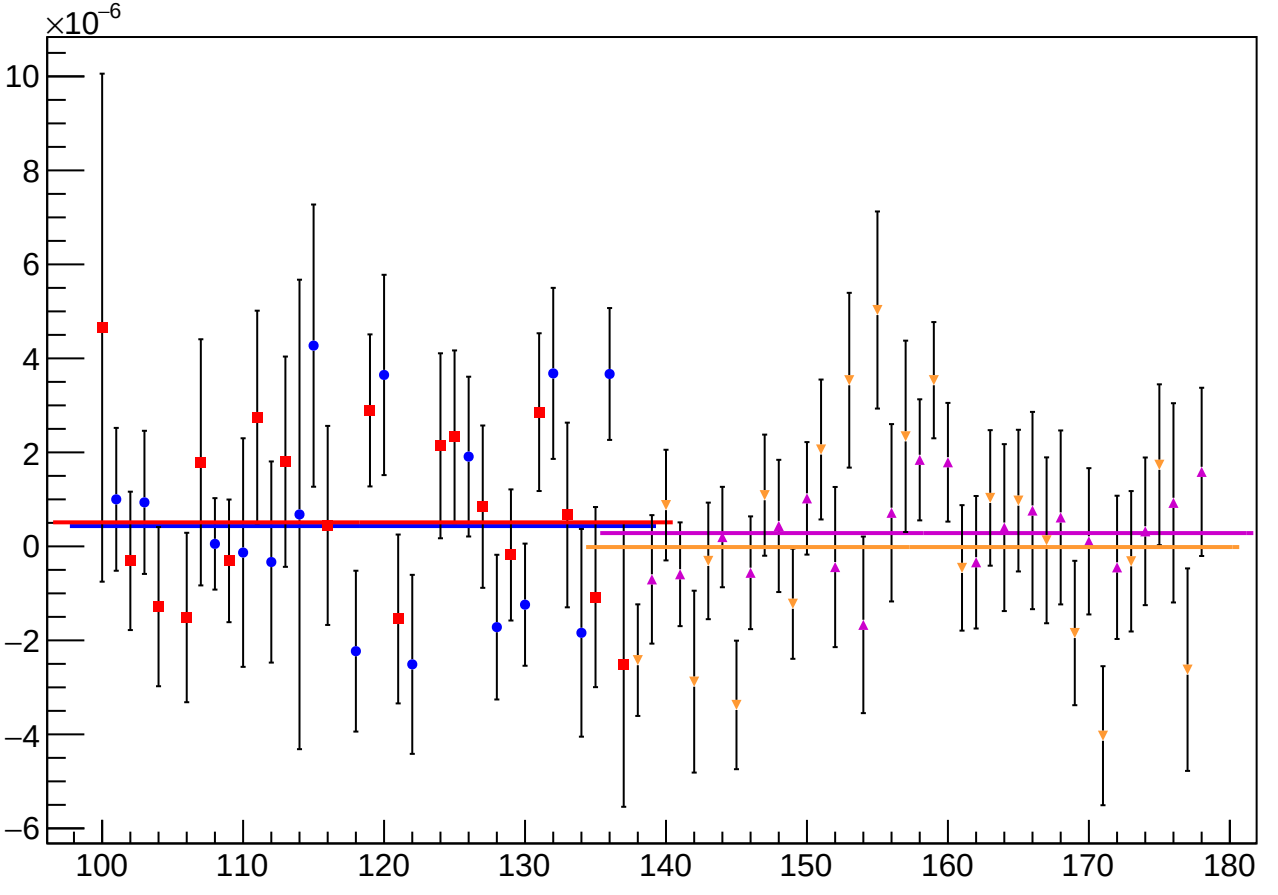
Left In: 14.595+/-0.003 χ^2/NDF:2070942.9/19

+ sign 14.616+/-0.002 χ^2/NDF: 4877669.5/36

All: 14.573+/-0.002 χ^2/NDF: 10580515.5/75

- sign 14.528+/-0.002 χ^2/NDF: 5702138.0/38

asym_sam1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:48.1/20

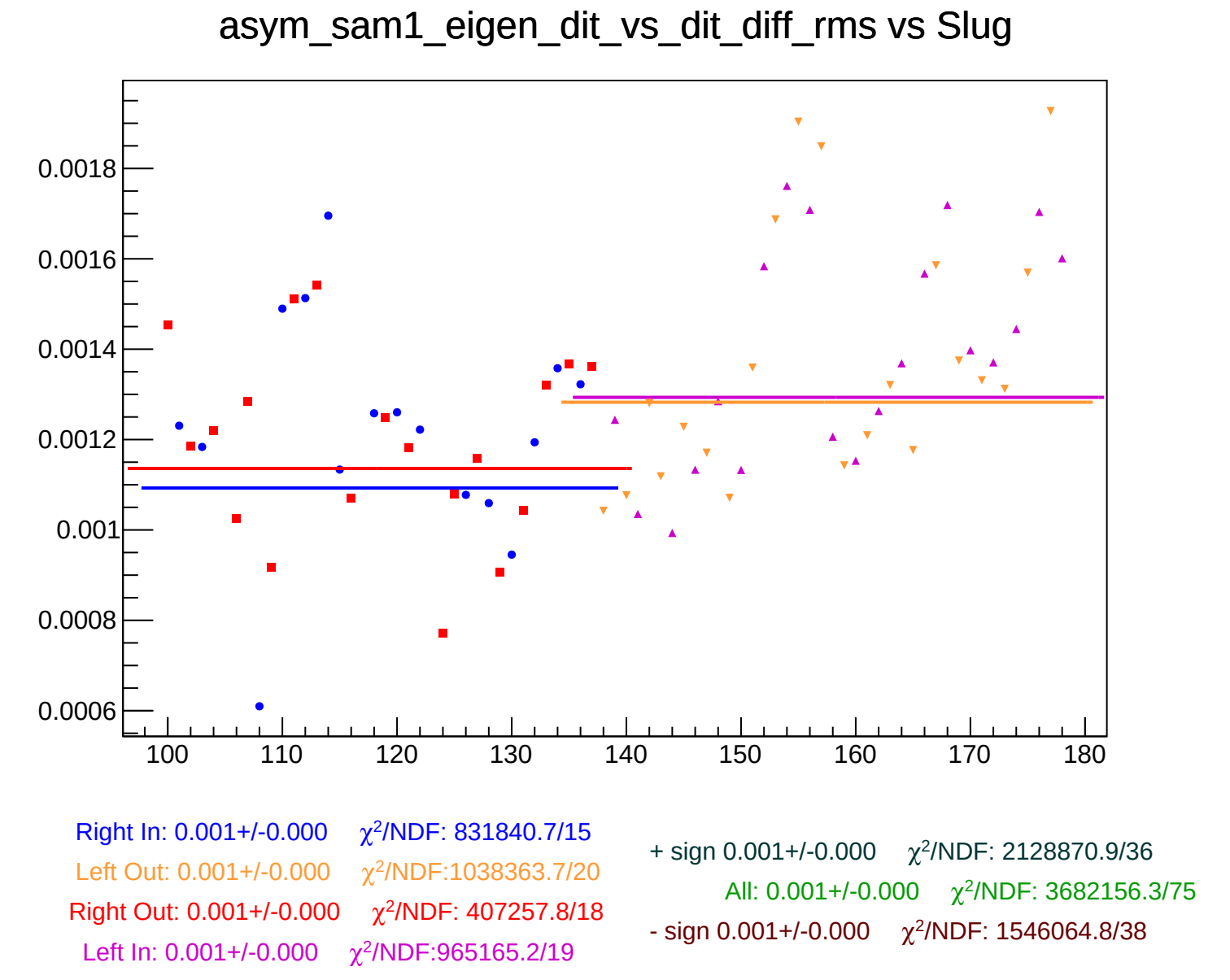
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:7.4/19

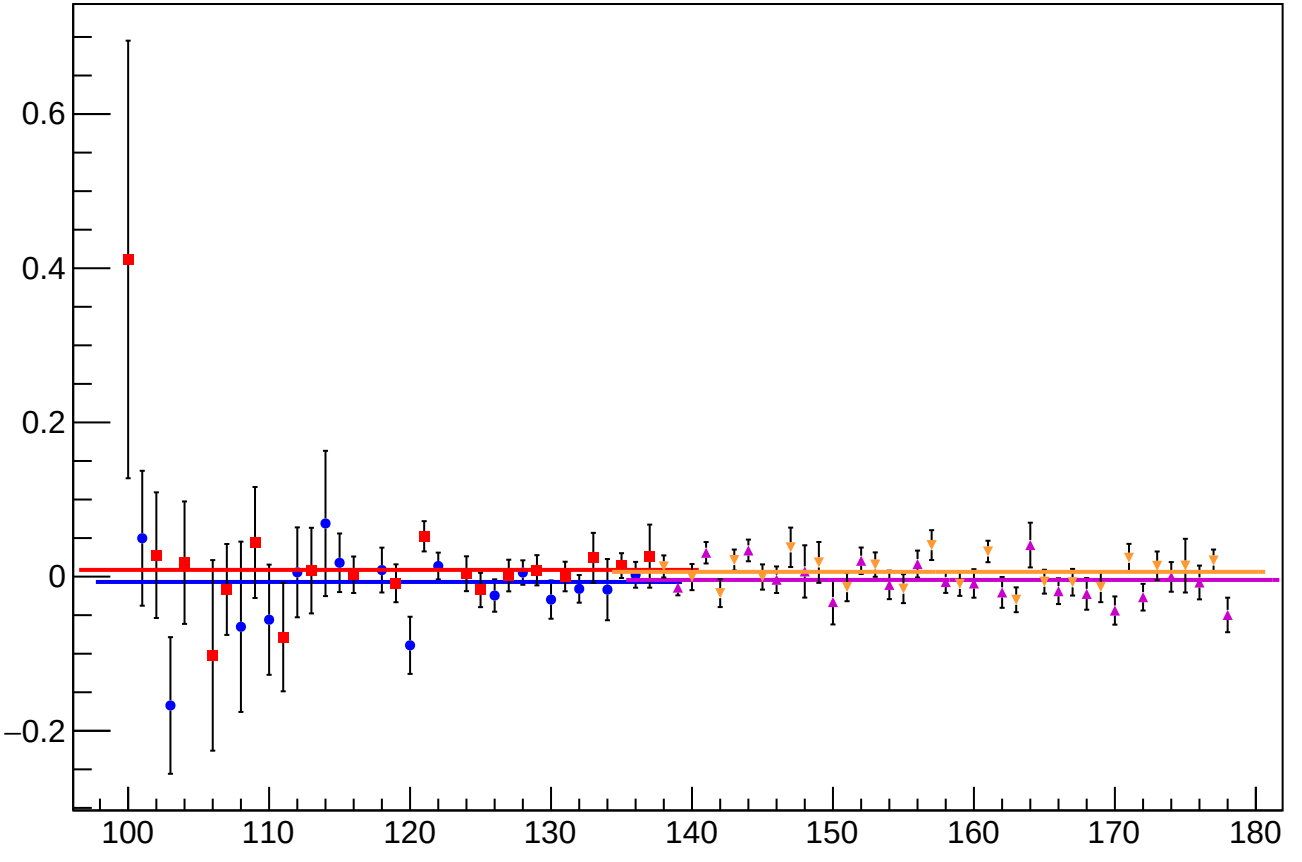
+ sign 0.000+/-0.000 χ^2/NDF: 72.1/36

All: 0.000+/-0.000 χ^2/NDF: 94.3/75

- sign 0.000+/-0.000 χ^2/NDF: 21.9/38


asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 831840.7/15
Left Out: 0.001+/-0.000 χ²/NDF:1038363.7/20
Right Out: 0.001+/-0.000 χ²/NDF: 407257.8/18
Left In: 0.001+/-0.000 χ²/NDF:965165.2/19
+ sign 0.001+/-0.000 χ²/NDF: 2128870.9/36
All: 0.001+/-0.000 χ²/NDF: 3682156.3/75
- sign 0.001+/-0.000 χ²/NDF: 1546064.8/38

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+/-0.004 χ^2/NDF:26.3/20

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

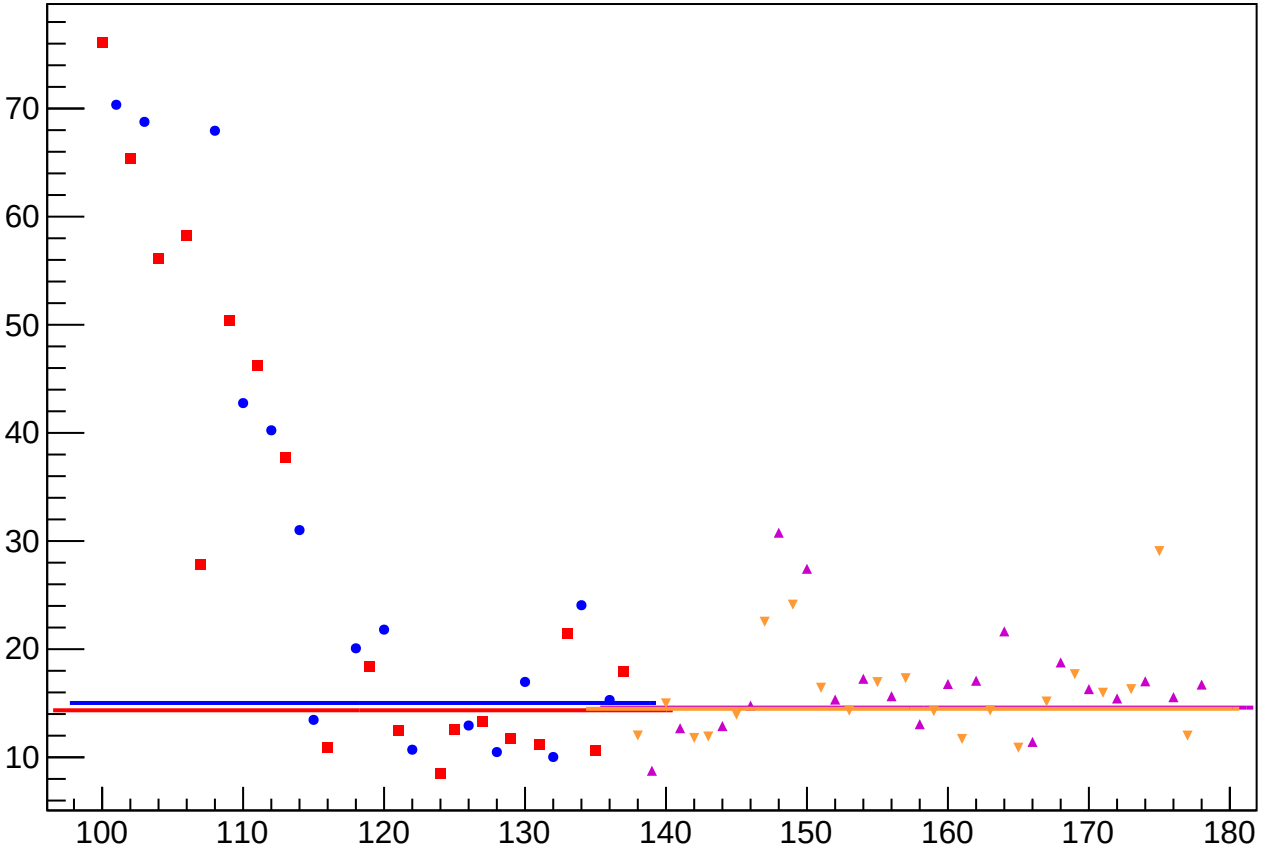
Left In: -0.004+/-0.004 χ^2/NDF:34.8/19

+ sign 0.003+/-0.003 χ^2/NDF: 44.1/36

All: 0.001+/-0.002 χ^2/NDF: 95.2/75

- sign -0.001+/-0.003 χ^2/NDF: 50.5/38

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.488+/-0.003 χ^2/NDF:1429854.7/20

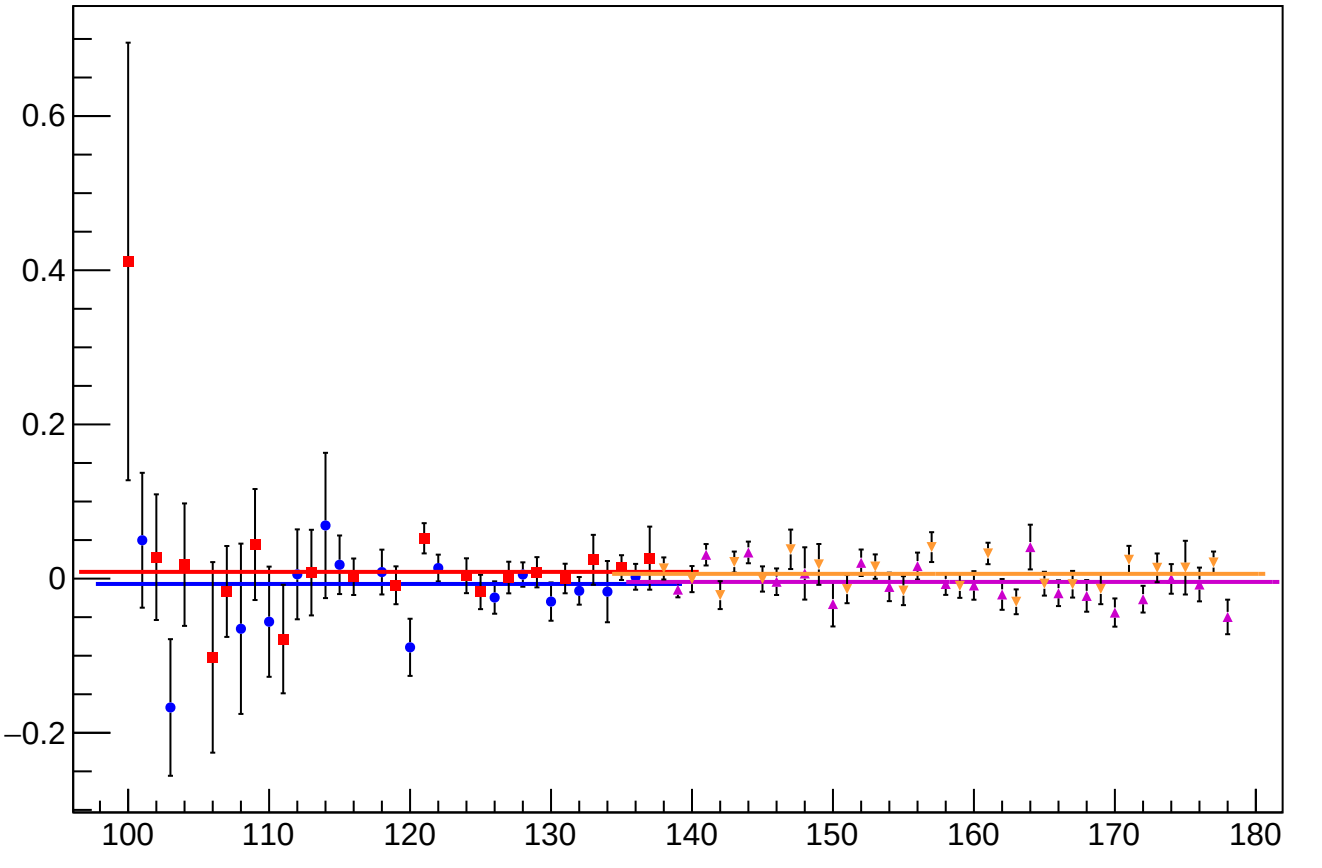
Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 14.595+/-0.003 χ^2/NDF:2070978.6/19

\+ sign 14.616+/-0.002 χ^2/NDF: 4877837.6/36

All: 14.572+/-0.002 χ^2/NDF: 10580706.9/75

\- sign 14.528+/-0.002 χ^2/NDF: 5702162.5/38



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.004 χ^2/NDF:26.3/20

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

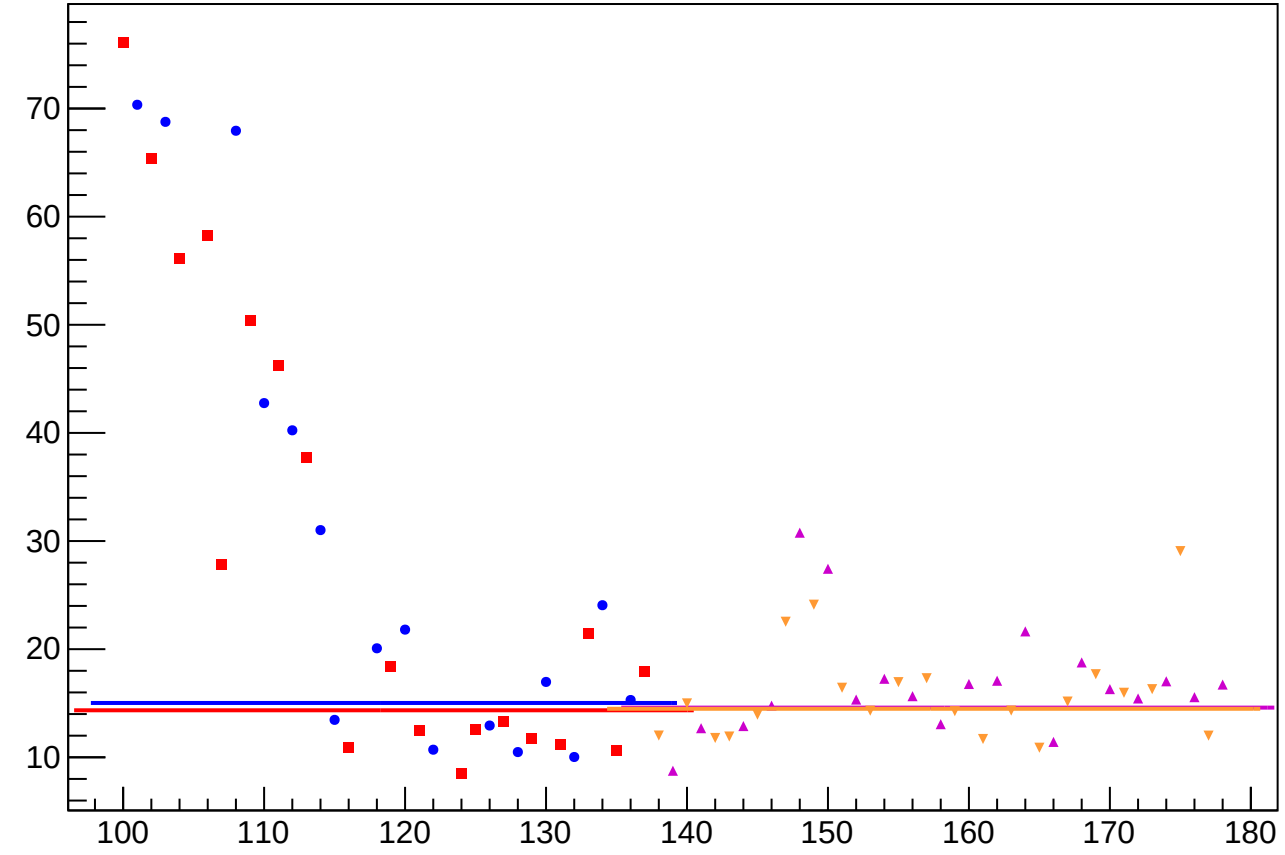
Left In: -0.004+/-0.004 χ^2/NDF:34.8/19

+ sign 0.003+/-0.003 χ^2/NDF: 44.1/36

All: 0.001+/-0.002 χ^2/NDF: 95.2/75

- sign -0.001+/-0.003 χ^2/NDF: 50.5/38

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.488+/-0.003 χ^2/NDF:1429854.7/20

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

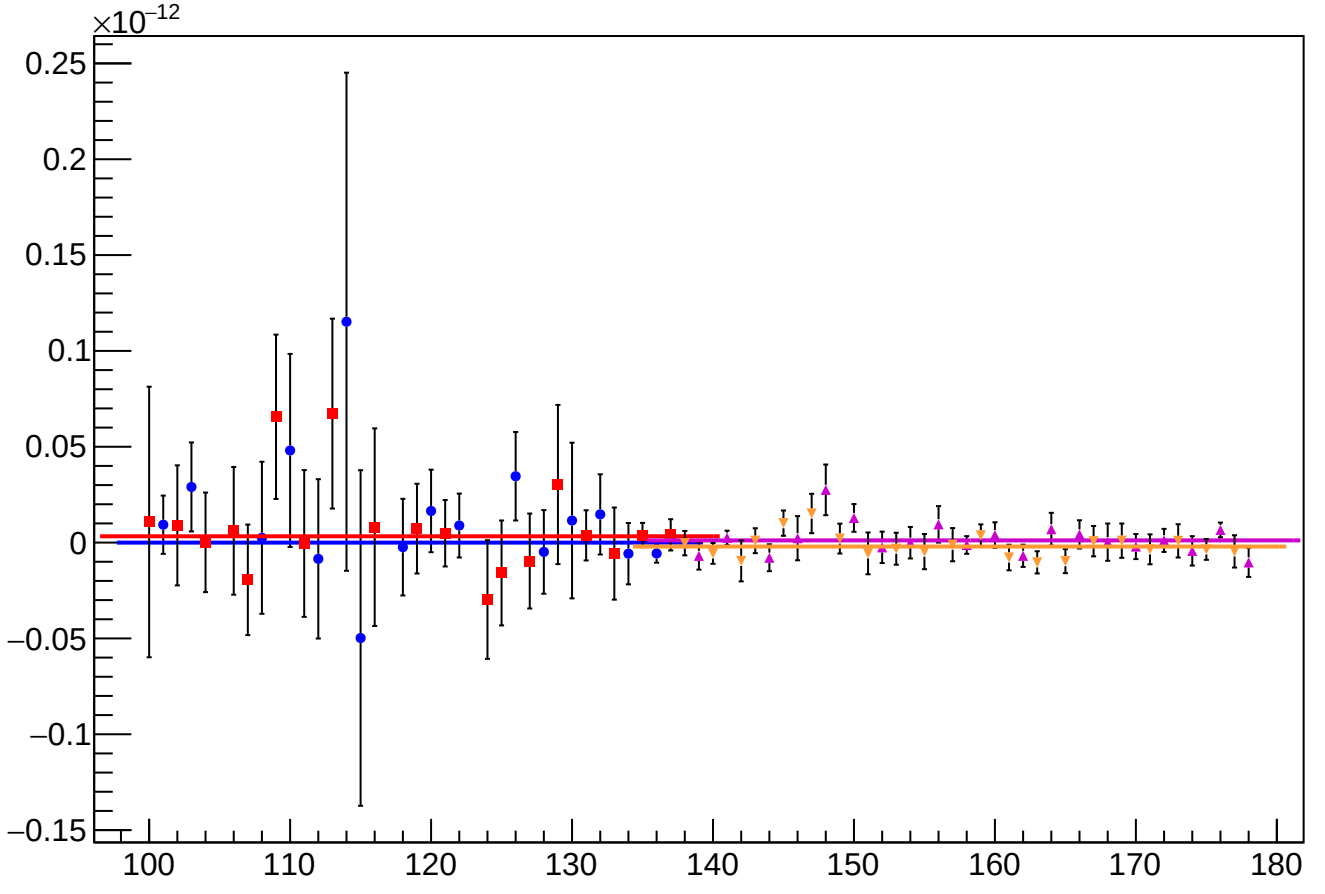
Left In: 14.595+/-0.003 χ^2/NDF:2070978.6/19

\+ sign 14.616+/-0.002 χ^2/NDF: 4877837.6/36

All: 14.572+/-0.002 χ^2/NDF: 10580706.9/75

\- sign 14.528+/-0.002 χ^2/NDF: 5702162.5/38

asym_sam1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.8/20

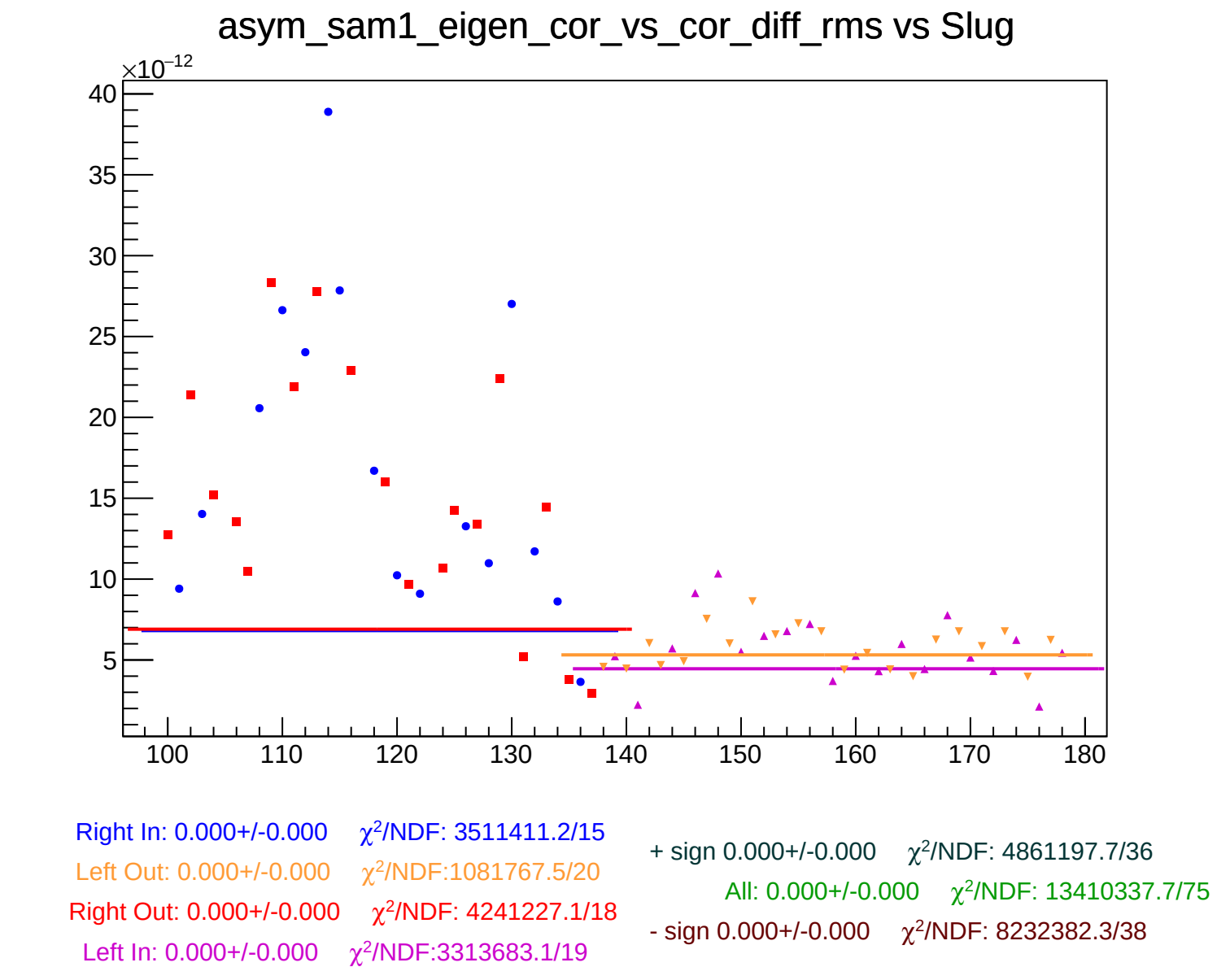
Right Out: 0.000+/-0.000 χ^2/NDF: 7.0/18

Left In: 0.000+/-0.000 χ^2/NDF:18.7/19

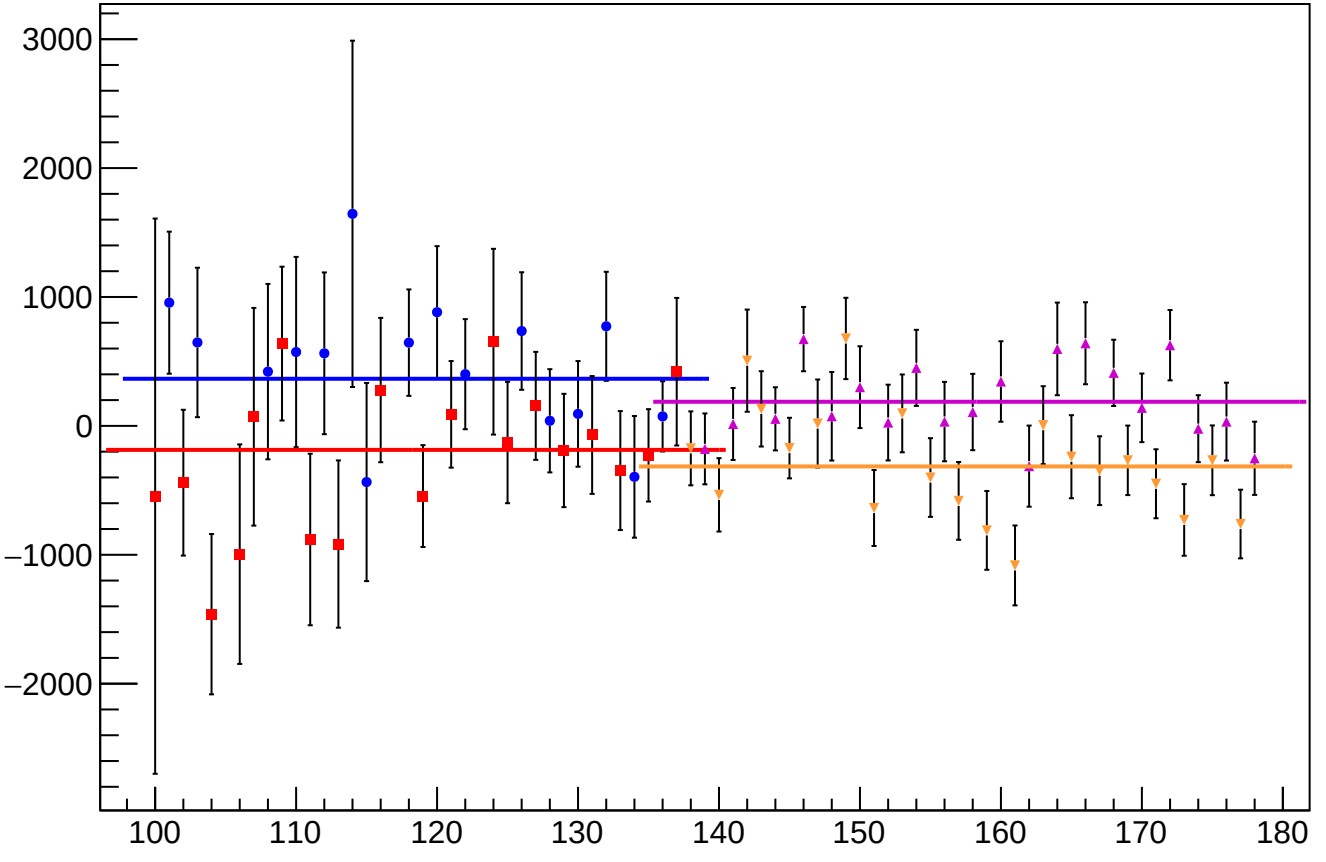
+ sign -0.000+/-0.000 χ^2/NDF: 23.4/36

All: -0.000+/-0.000 χ^2/NDF: 51.9/75

- sign 0.000+/-0.000 χ^2/NDF: 26.0/38


asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
40
35
30
25
20
15
10
5
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3511411.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1081767.5/20
Right Out: 0.000+/-0.000 χ²/NDF: 4241227.1/18
Left In: 0.000+/-0.000 χ²/NDF:3313683.1/19
+ sign 0.000+/-0.000 χ²/NDF: 4861197.7/36
All: 0.000+/-0.000 χ²/NDF: 13410337.7/75
- sign 0.000+/-0.000 χ²/NDF: 8232382.3/38

reg_asym_sam2_mean vs Slug



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -314.673+/-63.539 χ^2/NDF:37.9/20

Right Out: -186.141+/-120.188 χ^2/NDF: 15.0/18

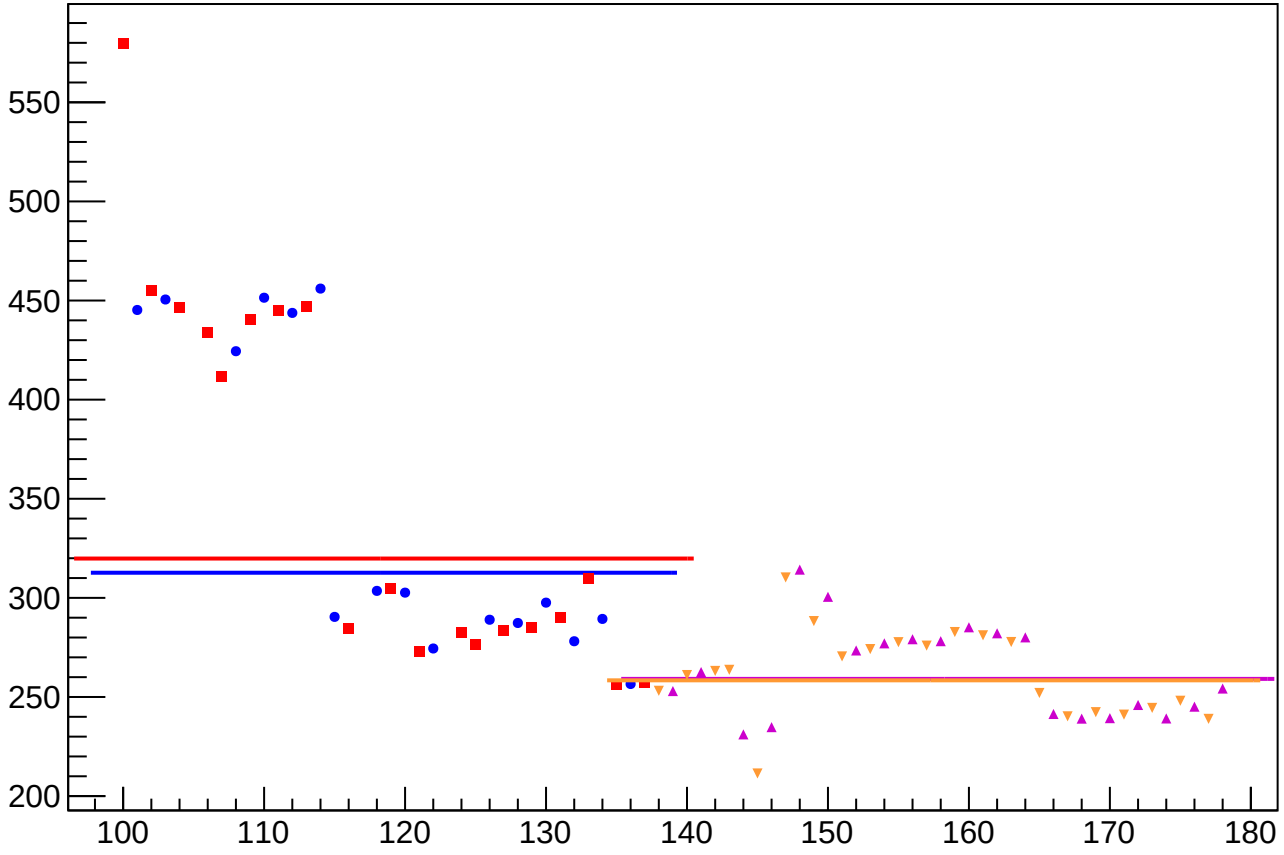
Left In: 187.141+/-64.412 χ^2/NDF:20.7/19

+ sign -163.520+/-56.036 χ^2/NDF: 74.9/36

All: -31.582+/-39.881 χ^2/NDF: 129.3/75

- sign 103.849+/-56.773 χ^2/NDF: 43.2/38

reg_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 258.403+/-0.045 χ^2/NDF:245192.8/20

Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

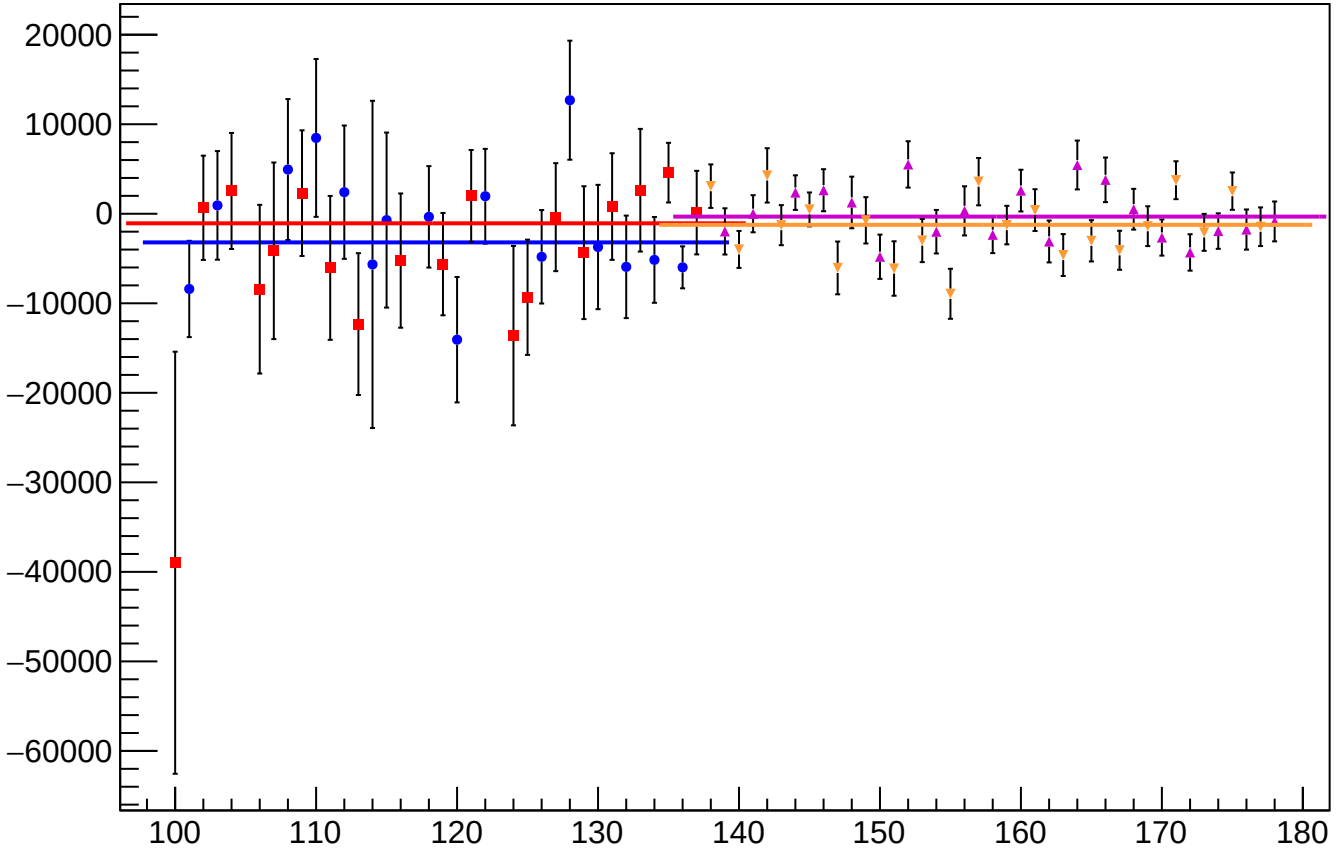
Left In: 259.130+/-0.046 χ^2/NDF:243030.8/19

+ sign 270.465+/-0.040 χ^2/NDF: 1171737.6/36

All: 271.556+/-0.028 χ^2/NDF: 2510634.1/75

- sign 272.676+/-0.040 χ^2/NDF: 1337359.1/38

asym_sam2_reg_correction_mean vs Slug



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: -1235.405+/-506.915 χ^2/NDF:39.6/20

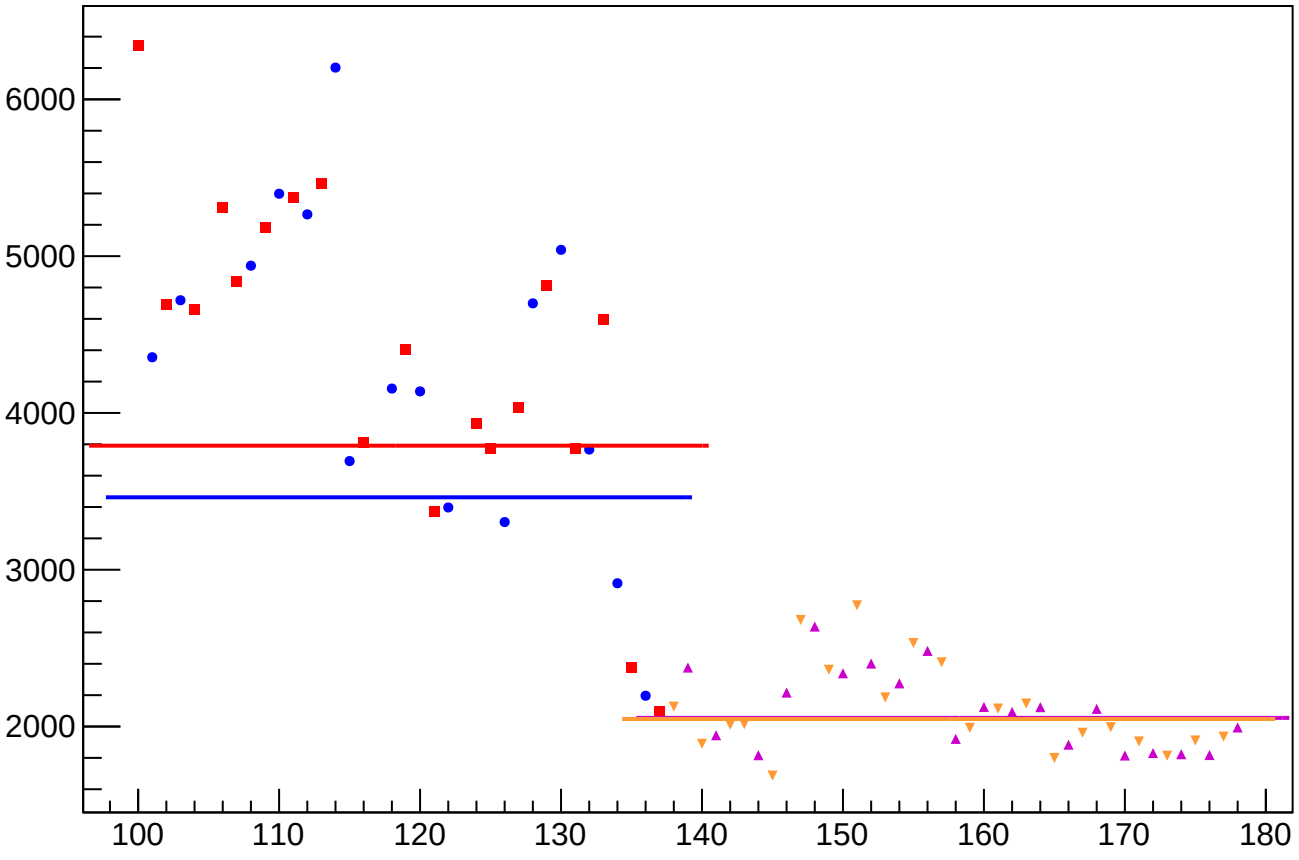
Right Out: -1065.939+/-1443.326 χ^2/NDF: 14.4/18

Left In: -317.924+/-512.803 χ^2/NDF:30.8/19

+ sign -1476.821+/-474.728 χ^2/NDF: 57.6/36

All: -948.812+/-338.643 χ^2/NDF: 105.5/75

- sign -401.764+/-483.211 χ^2/NDF: 45.4/38



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 2048.025+/-0.358 χ^2/NDF:509403.2/20

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

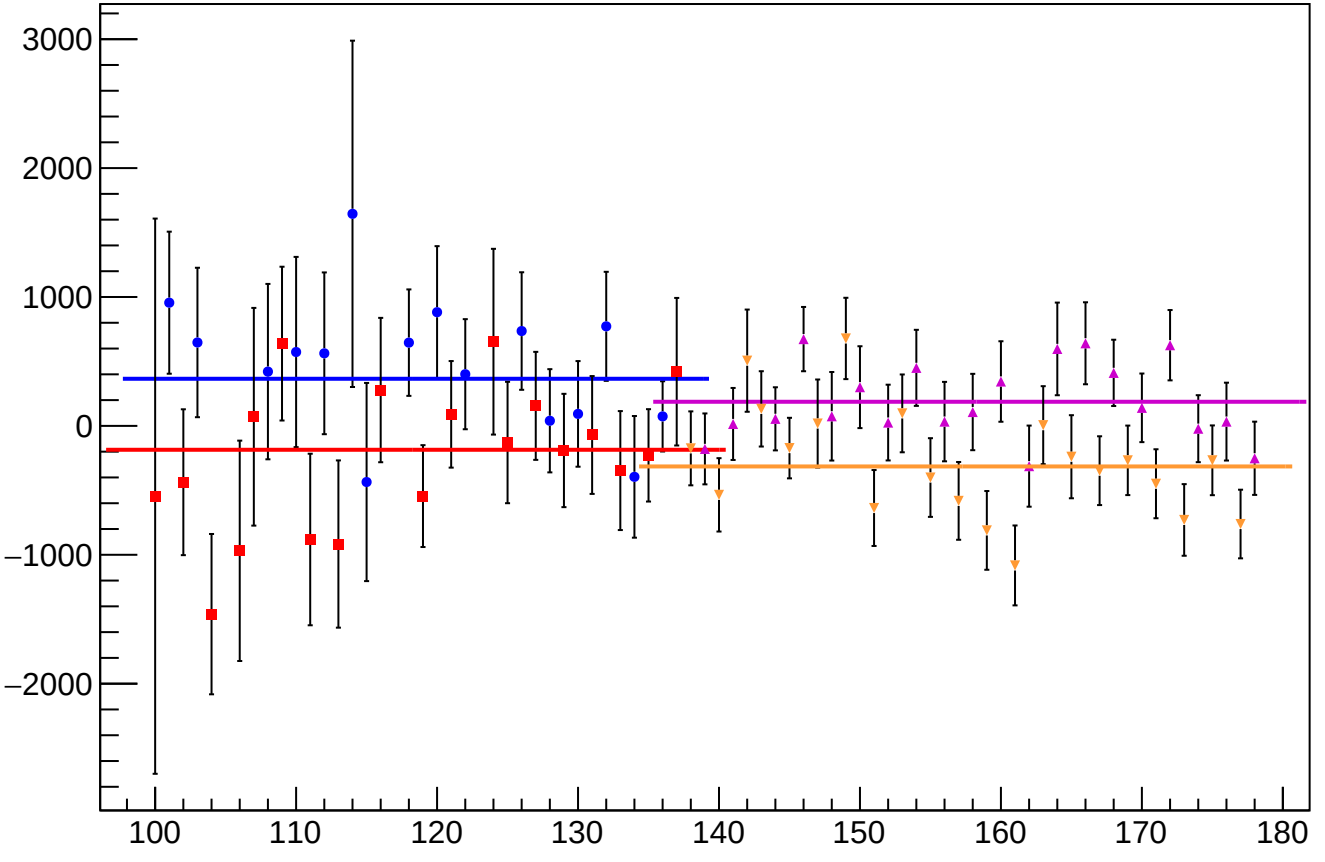
Left In: 2055.077+/-0.363 χ^2/NDF:411702.2/19

+ sign 2221.881+/-0.336 χ^2/NDF: 3732223.4/36

All: 2235.530+/-0.239 χ^2/NDF: 7872481.3/75

- sign 2249.670+/-0.342 χ^2/NDF: 4136892.2/38

cor_asym_sam2_mean vs Slug



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -314.672+/-63.539 χ^2/NDF:37.9/20

Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

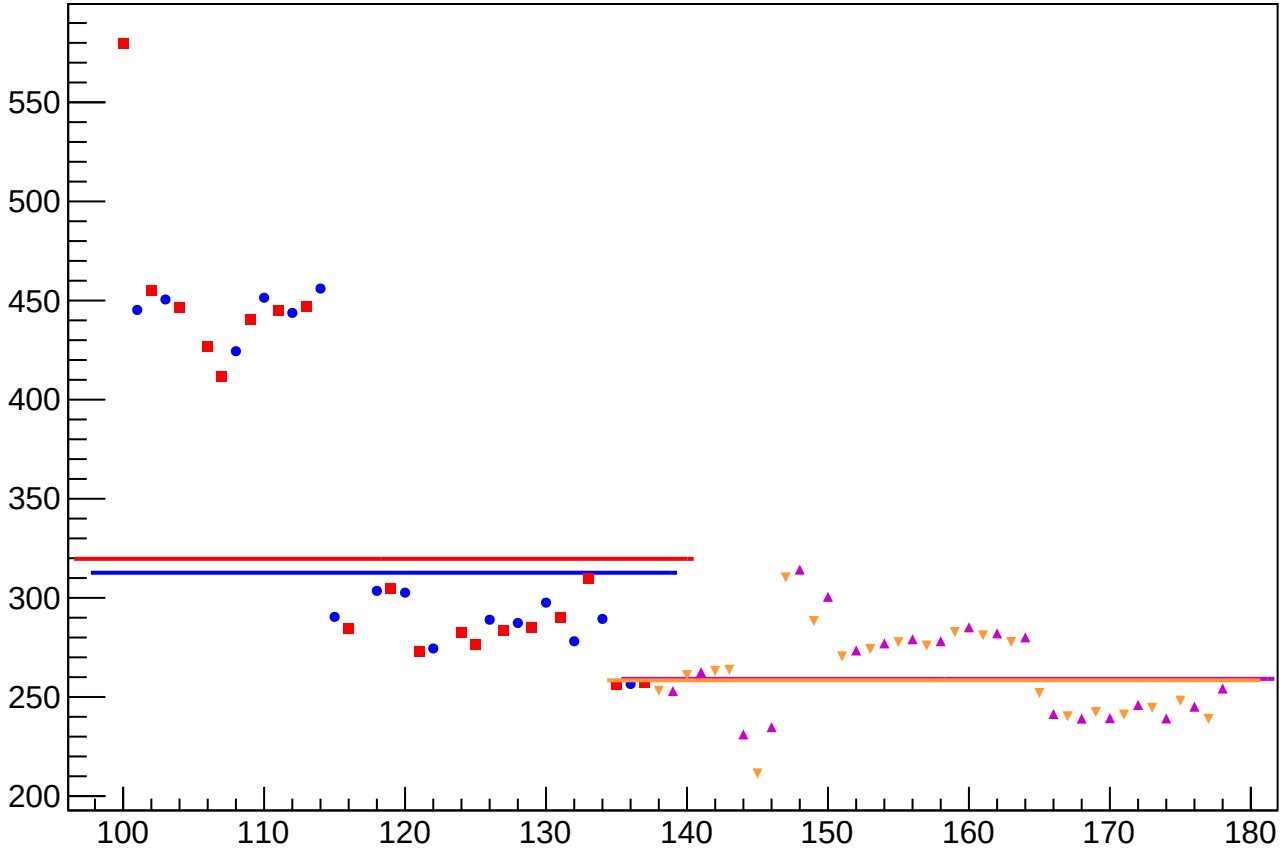
Left In: 187.148+/-64.412 χ^2/NDF:20.7/19

+ sign -163.524+/-56.036 χ^2/NDF: 74.9/36

All: -31.488+/-39.882 χ^2/NDF: 129.2/75

- sign 104.048+/-56.774 χ^2/NDF: 43.1/38

cor_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 258.403+/-0.045 χ^2/NDF:245192.8/20

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

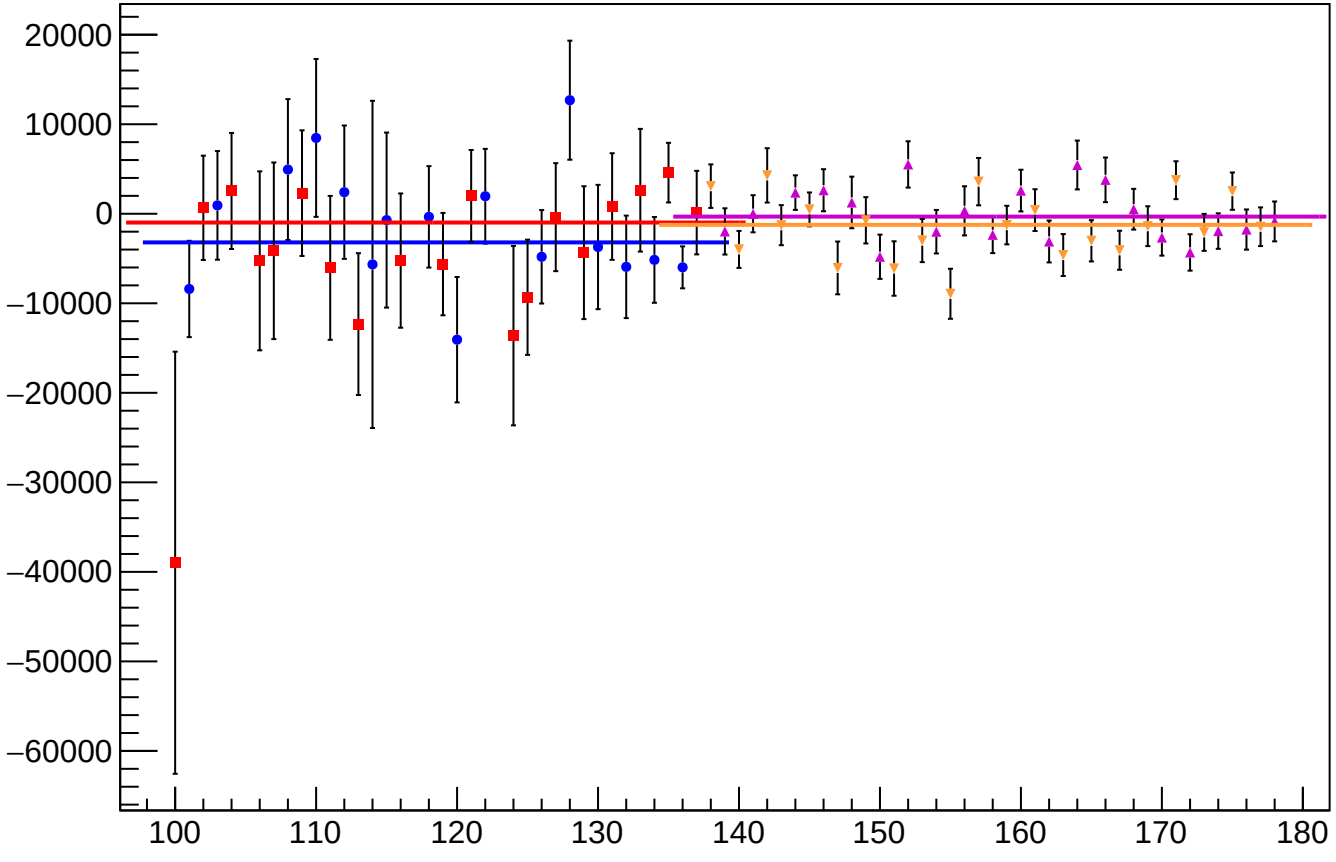
Left In: 259.130+/-0.046 χ^2/NDF:243030.8/19

+ sign 270.465+/-0.040 χ^2/NDF: 1171739.2/36

All: 271.539+/-0.028 χ^2/NDF: 2504434.2/75

- sign 272.641+/-0.040 χ^2/NDF: 1331206.0/38

asym_sam2_cor_correction_mean vs Slug



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1235.403+/-506.915 χ^2/NDF:39.6/20

Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

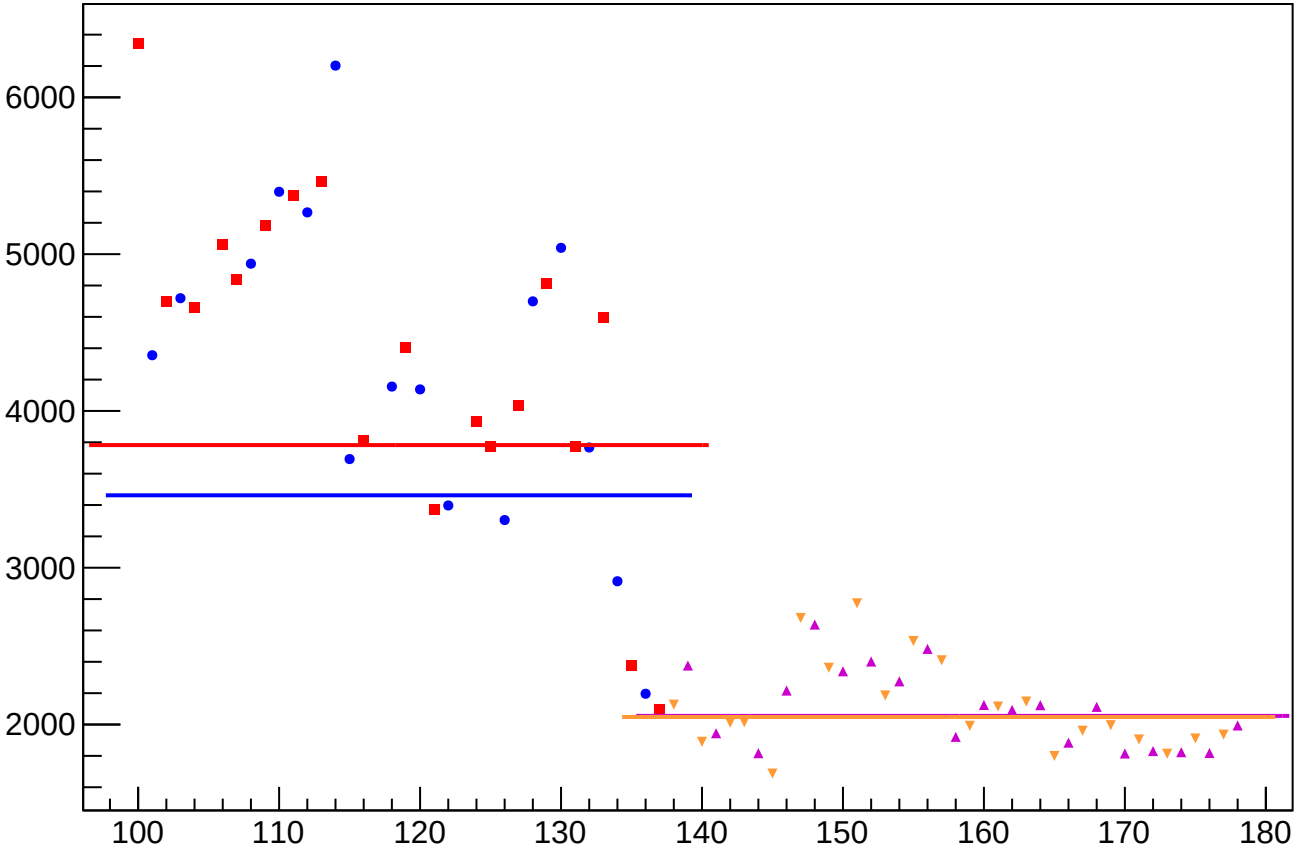
Left In: -317.926+/-512.803 χ^2/NDF:30.7/19

+ sign -1476.811+/-474.728 χ^2/NDF: 57.6/36

All: -944.123+/-338.668 χ^2/NDF: 105.0/75

- sign -392.062+/-483.283 χ^2/NDF: 44.9/38

asym_sam2_cor_correction_rms vs Slug



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2048.025+/-0.358 χ^2/NDF:509404.0/20

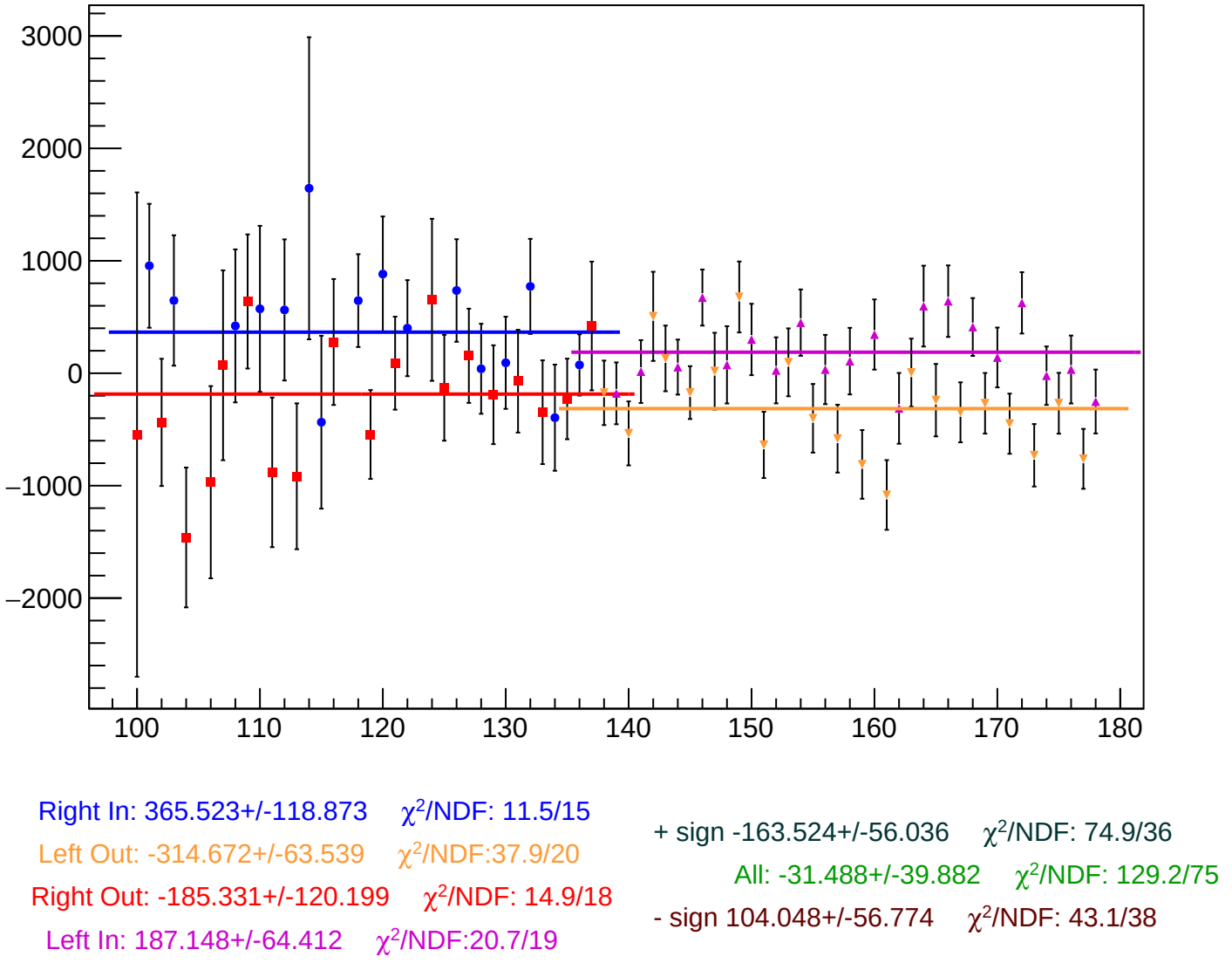
Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2055.077+/-0.363 χ^2/NDF:411705.6/19

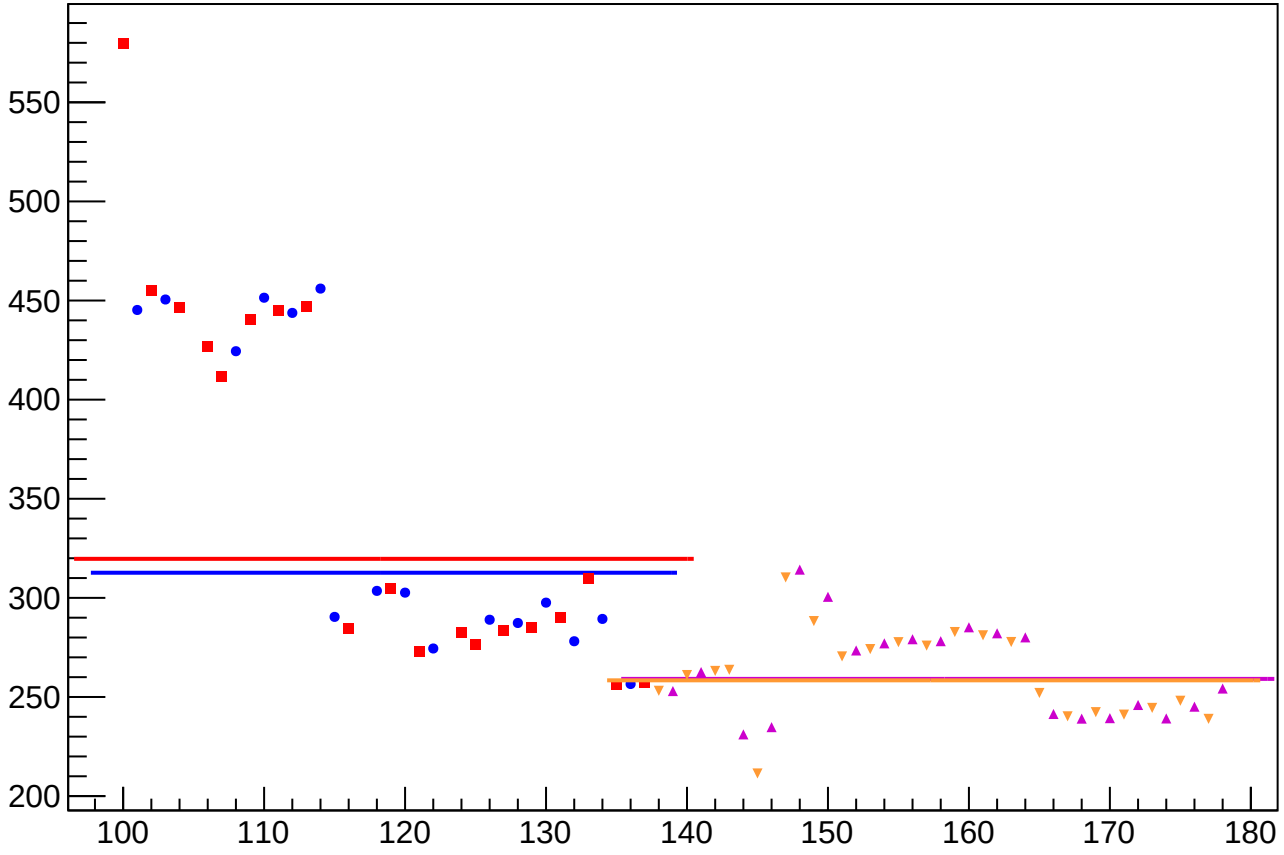
+ sign 2221.881+/-0.336 χ^2/NDF: 3732245.1/36

All: 2234.804+/-0.239 χ^2/NDF: 7820028.2/75

- sign 2248.197+/-0.342 χ^2/NDF: 4084765.3/38


eigen_cor_asym_sam2_mean vs Slug
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
160
170
180
Right In: 365.523+/-118.873 χ²/NDF: 11.5/15
Left Out: -314.672+/-63.539 χ²/NDF:37.9/20
Right Out: -185.331+/-120.199 χ²/NDF: 14.9/18
Left In: 187.148+/-64.412 χ²/NDF:20.7/19
+ sign -163.524+/-56.036 χ²/NDF: 74.9/36
All: -31.488+/-39.882 χ²/NDF: 129.2/75
- sign 104.048+/-56.774 χ²/NDF: 43.1/38

eigen_cor_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 258.403+/-0.045 χ^2/NDF:245192.8/20

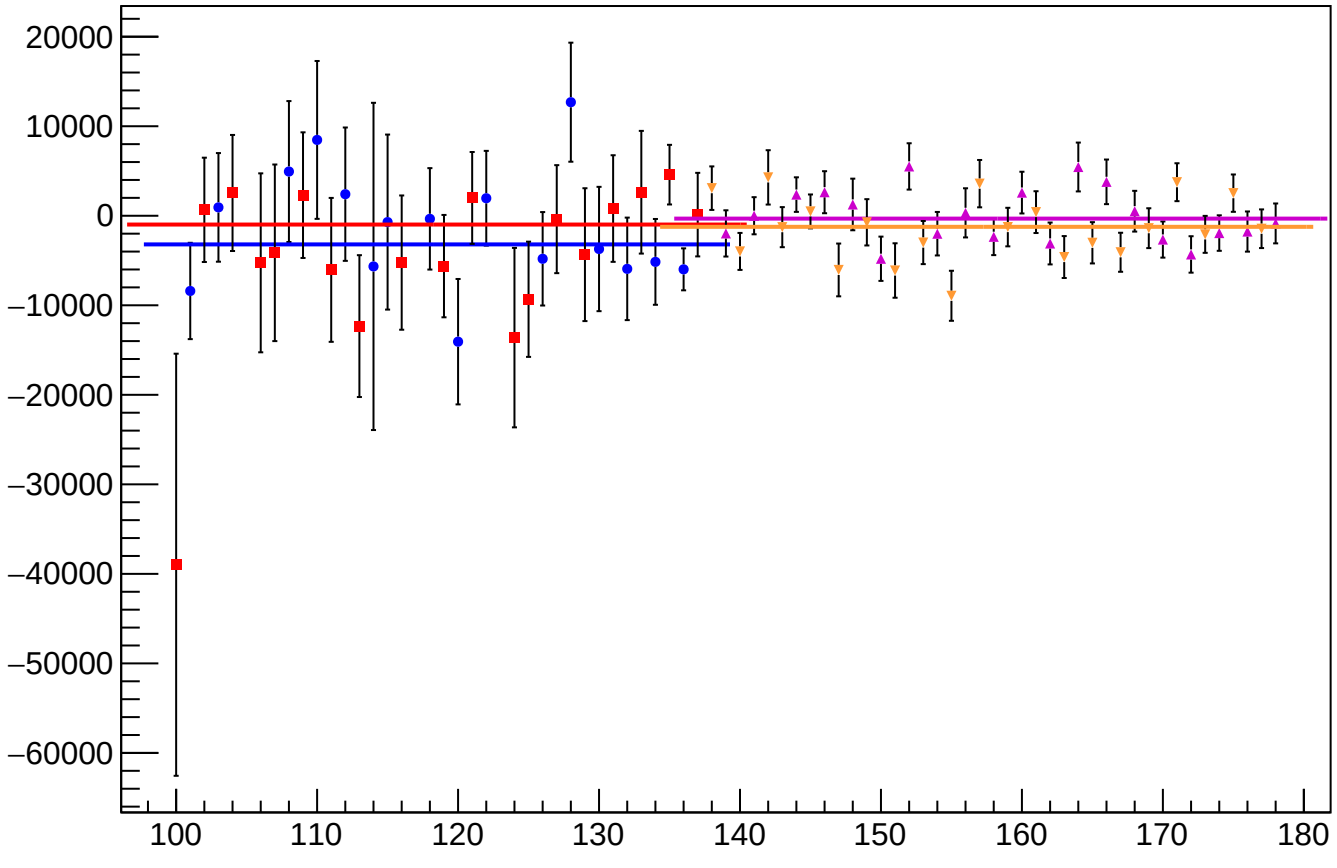
Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 259.130+/-0.046 χ^2/NDF:243030.8/19

+ sign 270.465+/-0.040 χ^2/NDF: 1171739.2/36

All: 271.539+/-0.028 χ^2/NDF: 2504434.2/75

- sign 272.641+/-0.040 χ^2/NDF: 1331206.0/38



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1235.403+/-506.915 χ^2/NDF:39.6/20

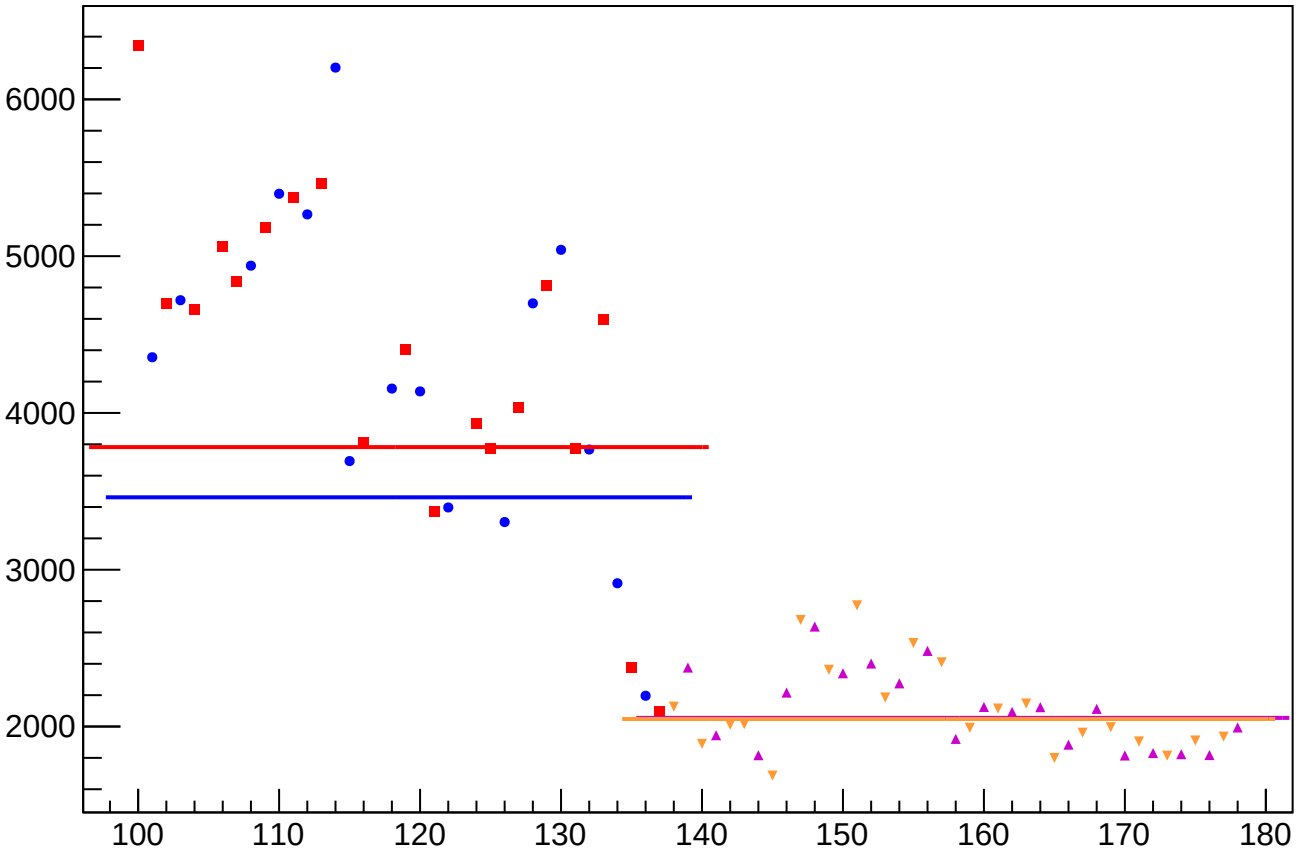
Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: -317.926+/-512.803 χ^2/NDF:30.7/19

+ sign -1476.811+/-474.728 χ^2/NDF: 57.6/36

All: -944.123+/-338.668 χ^2/NDF: 105.0/75

- sign -392.062+/-483.283 χ^2/NDF: 44.9/38



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2048.025+/-0.358 χ^2/NDF:509404.0/20

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

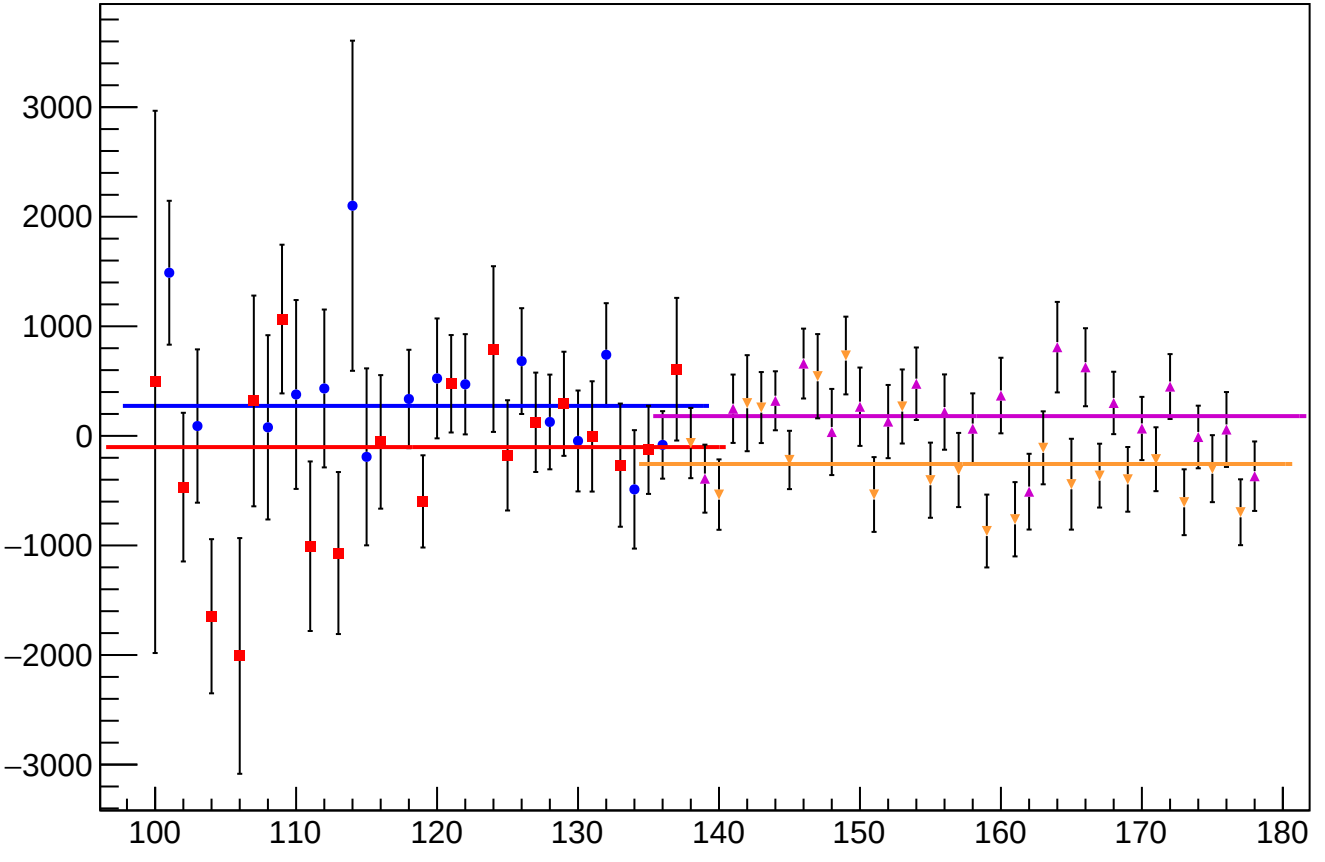
Left In: 2055.077+/-0.363 χ^2/NDF:411705.6/19

+ sign 2221.881+/-0.336 χ^2/NDF: 3732245.1/36

All: 2234.804+/-0.239 χ^2/NDF: 7820028.2/75

- sign 2248.197+/-0.342 χ^2/NDF: 4084765.3/38

dit_asym_sam2_mean vs Slug



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: -256.613+/-71.062 χ^2/NDF:30.6/20

Right Out: -102.369+/-133.606 χ^2/NDF: 21.3/18

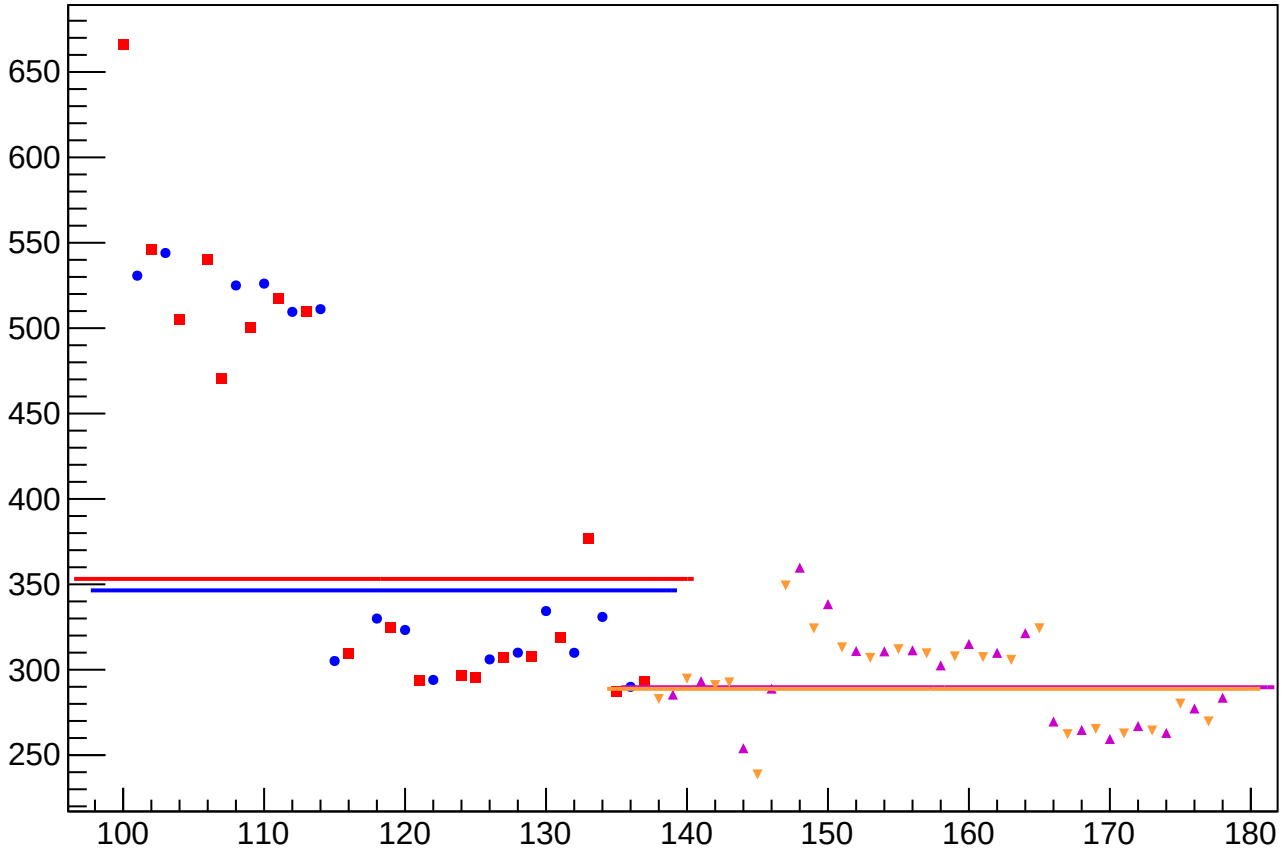
Left In: 180.286+/-72.207 χ^2/NDF:20.0/19

+ sign -138.229+/-62.628 χ^2/NDF: 54.4/36

All: -12.728+/-44.598 χ^2/NDF: 107.4/75

- sign 116.390+/-63.524 χ^2/NDF: 44.8/38

dit_asym_sam2_rms vs Slug



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 288.814+/-0.050 χ^2/NDF:275166.4/20

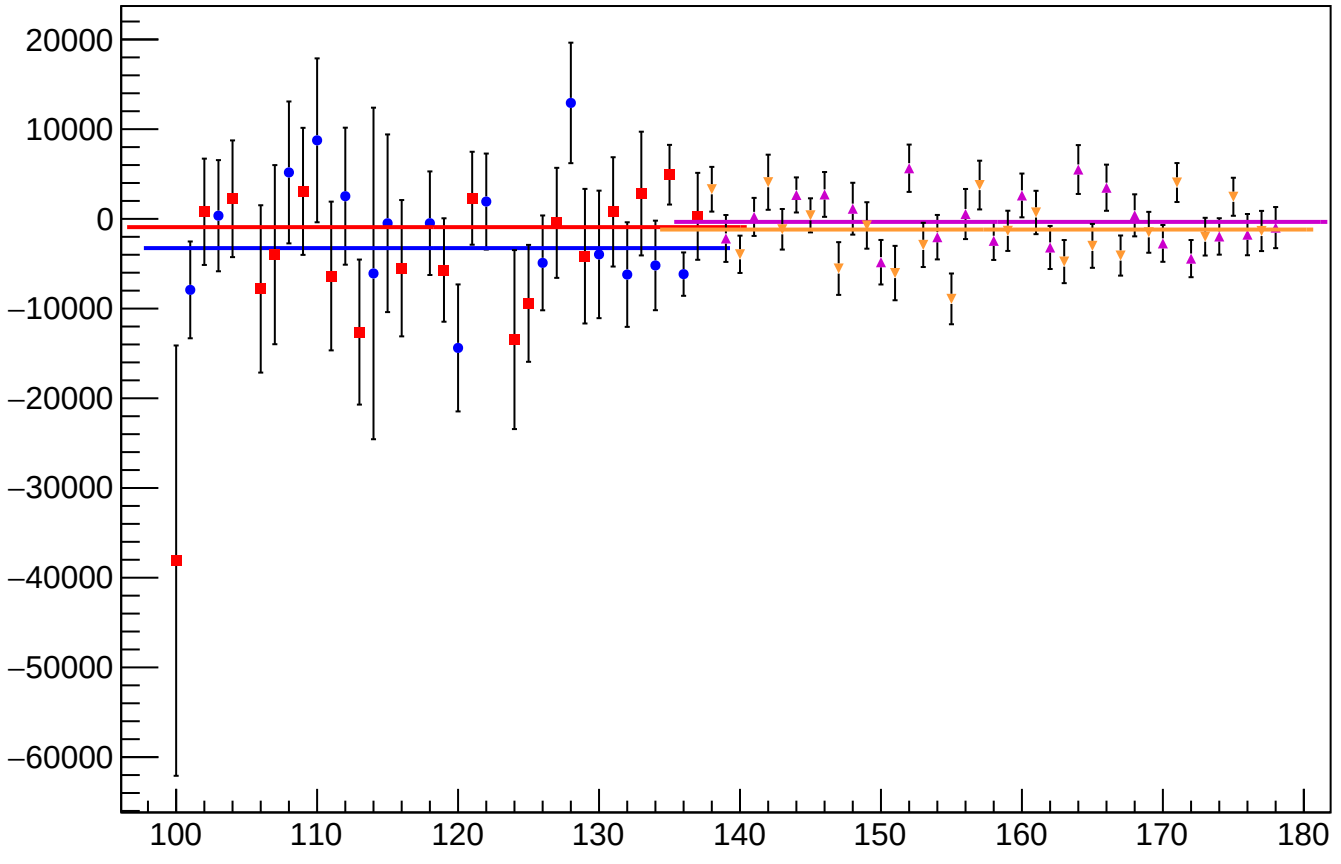
Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

Left In: 289.735+/-0.051 χ^2/NDF:269330.0/19

+ sign 301.684+/-0.044 χ^2/NDF: 1337748.5/36

All: 302.864+/-0.032 χ^2/NDF: 2823895.8/75

- sign 304.077+/-0.045 χ^2/NDF: 1484708.2/38



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -1189.600+/-517.616 χ^2/NDF:38.7/20

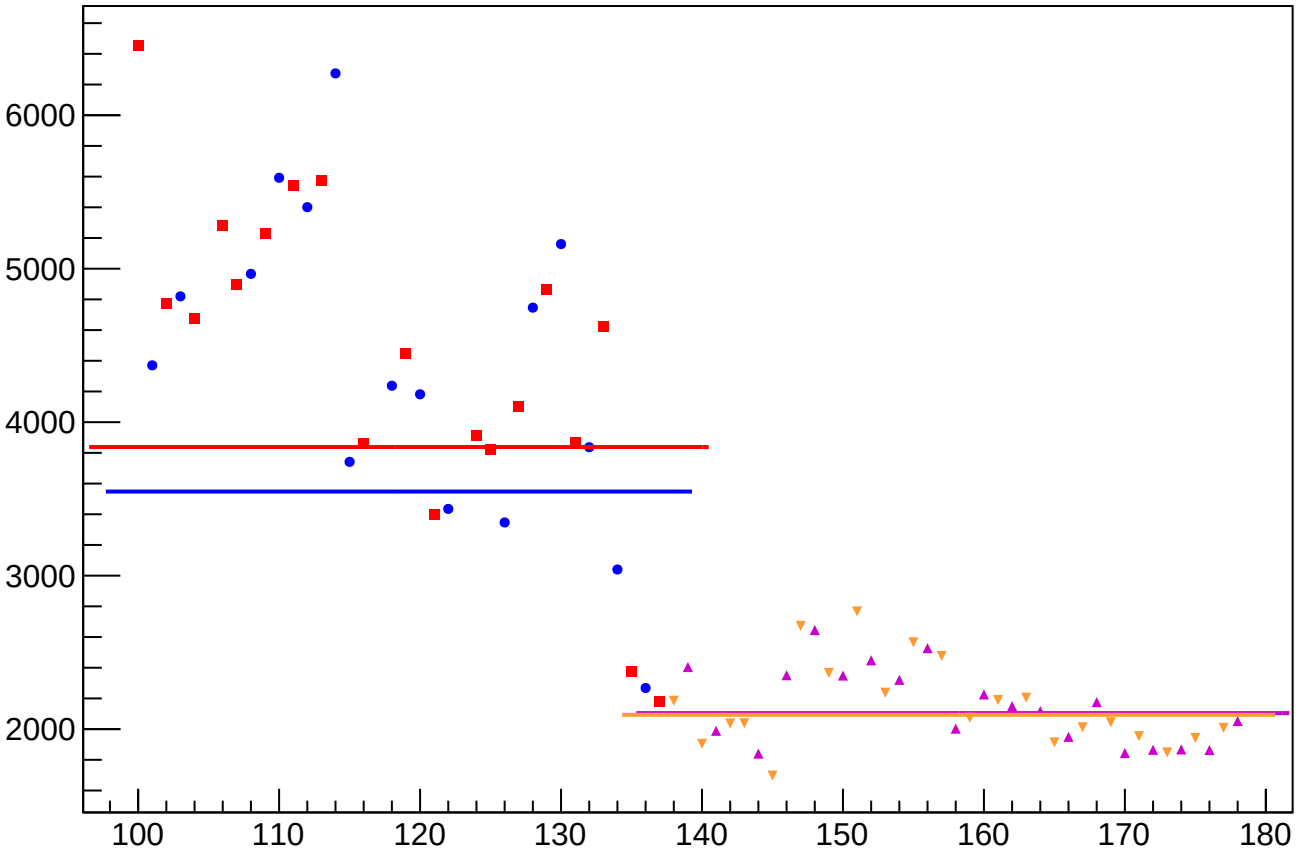
Right Out: -921.196+/-1460.727 χ^2/NDF: 14.6/18

Left In: -336.792+/-524.962 χ^2/NDF:30.8/19

+ sign -1443.474+/-484.824 χ^2/NDF: 56.7/36

All: -933.332+/-346.030 χ^2/NDF: 104.5/75

- sign -403.638+/-494.027 χ^2/NDF: 45.5/38



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 2093.438+/-0.366 χ^2/NDF:479282.1/20

Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

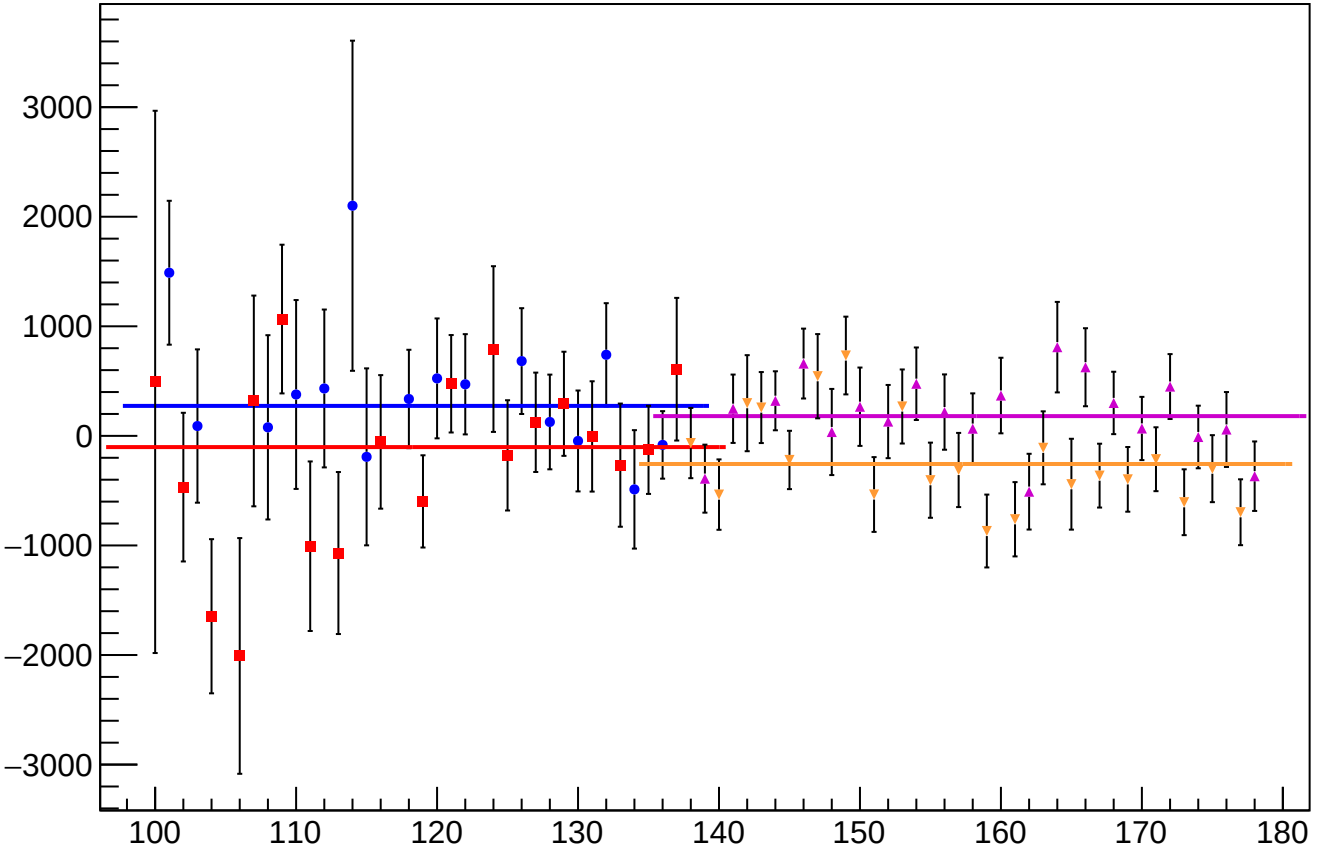
Left In: 2104.417+/-0.371 χ^2/NDF:401182.5/19

+ sign 2271.895+/-0.343 χ^2/NDF: 3675392.3/36

All: 2287.011+/-0.245 χ^2/NDF: 7731029.9/75

- sign 2302.707+/-0.349 χ^2/NDF: 4051674.4/38

eigen_dit_asym_sam2_mean vs Slug



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -256.617+/-71.062 χ^2/NDF:30.6/20

Right Out: -102.368+/-133.606 χ^2/NDF: 21.3/18

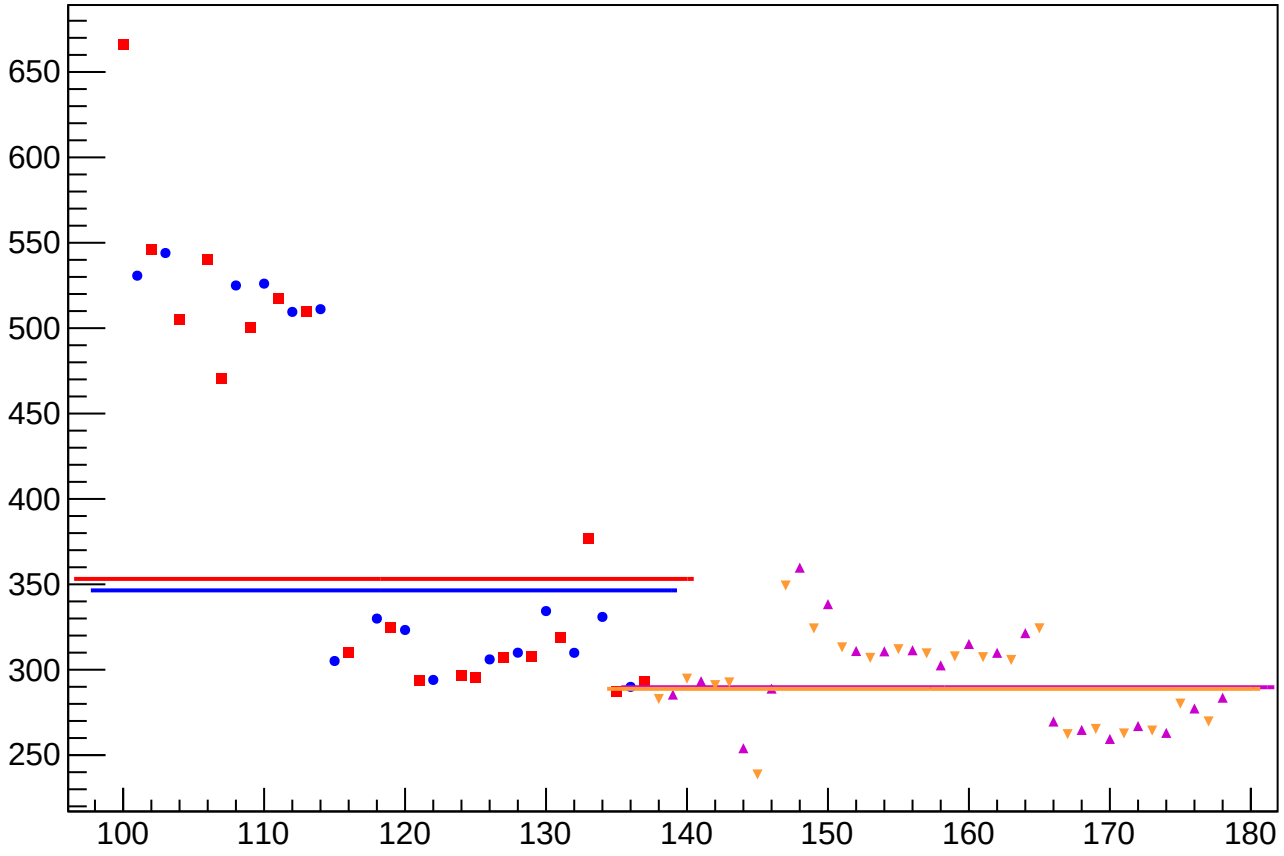
Left In: 180.289+/-72.207 χ^2/NDF:20.0/19

+ sign -138.231+/-62.628 χ^2/NDF: 54.4/36

All: -12.728+/-44.598 χ^2/NDF: 107.4/75

- sign 116.392+/-63.524 χ^2/NDF: 44.8/38

eigen_dit_asym_sam2_rms vs Slug



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 288.814+/-0.050 χ^2/NDF:275171.6/20

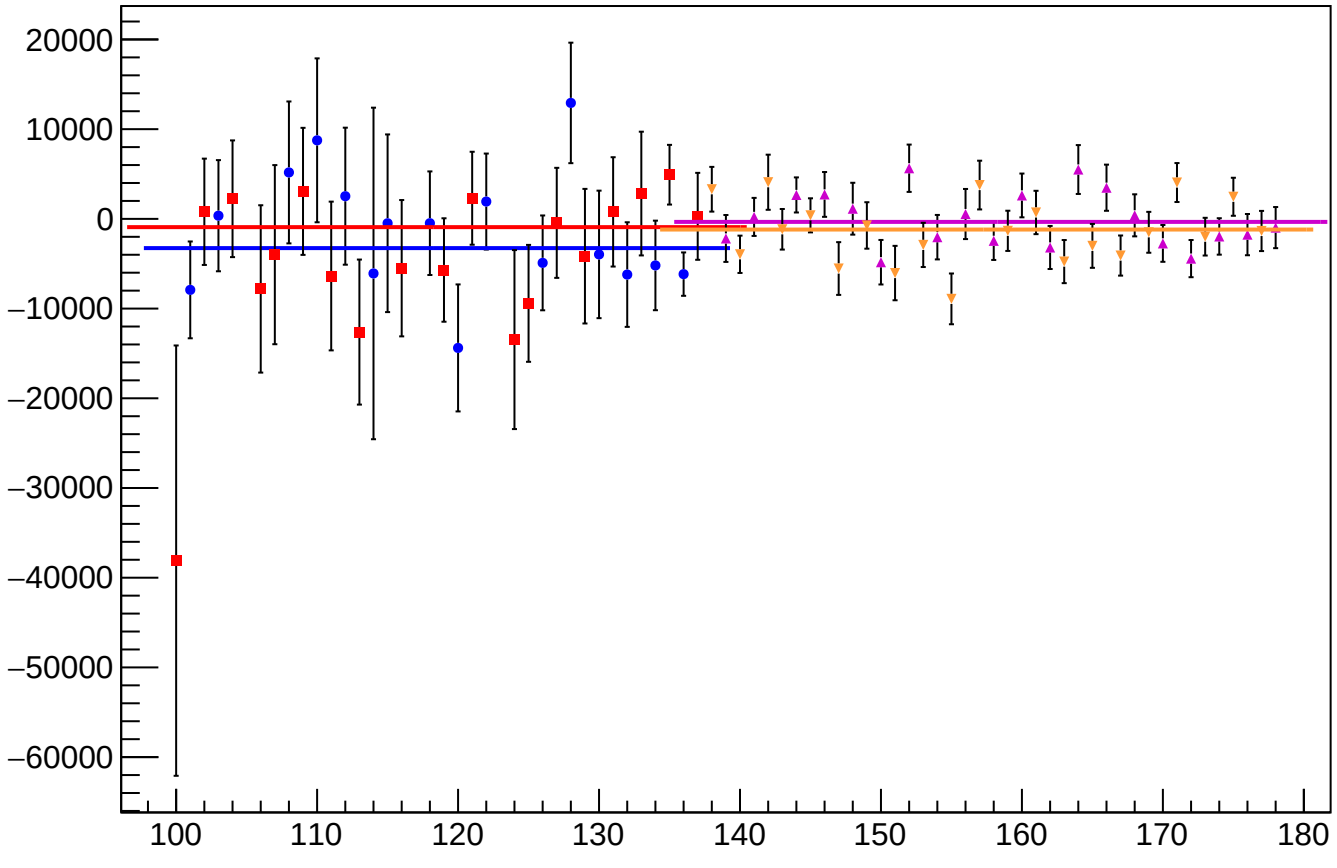
Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

Left In: 289.735+/-0.051 χ^2/NDF:269332.3/19

+ sign 301.684+/-0.044 χ^2/NDF: 1337726.7/36

All: 302.863+/-0.032 χ^2/NDF: 2823853.8/75

- sign 304.077+/-0.045 χ^2/NDF: 1484687.9/38



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -1189.601+/-517.616 χ^2/NDF:38.7/20

Right Out: -921.200+/-1460.725 χ^2/NDF: 14.6/18

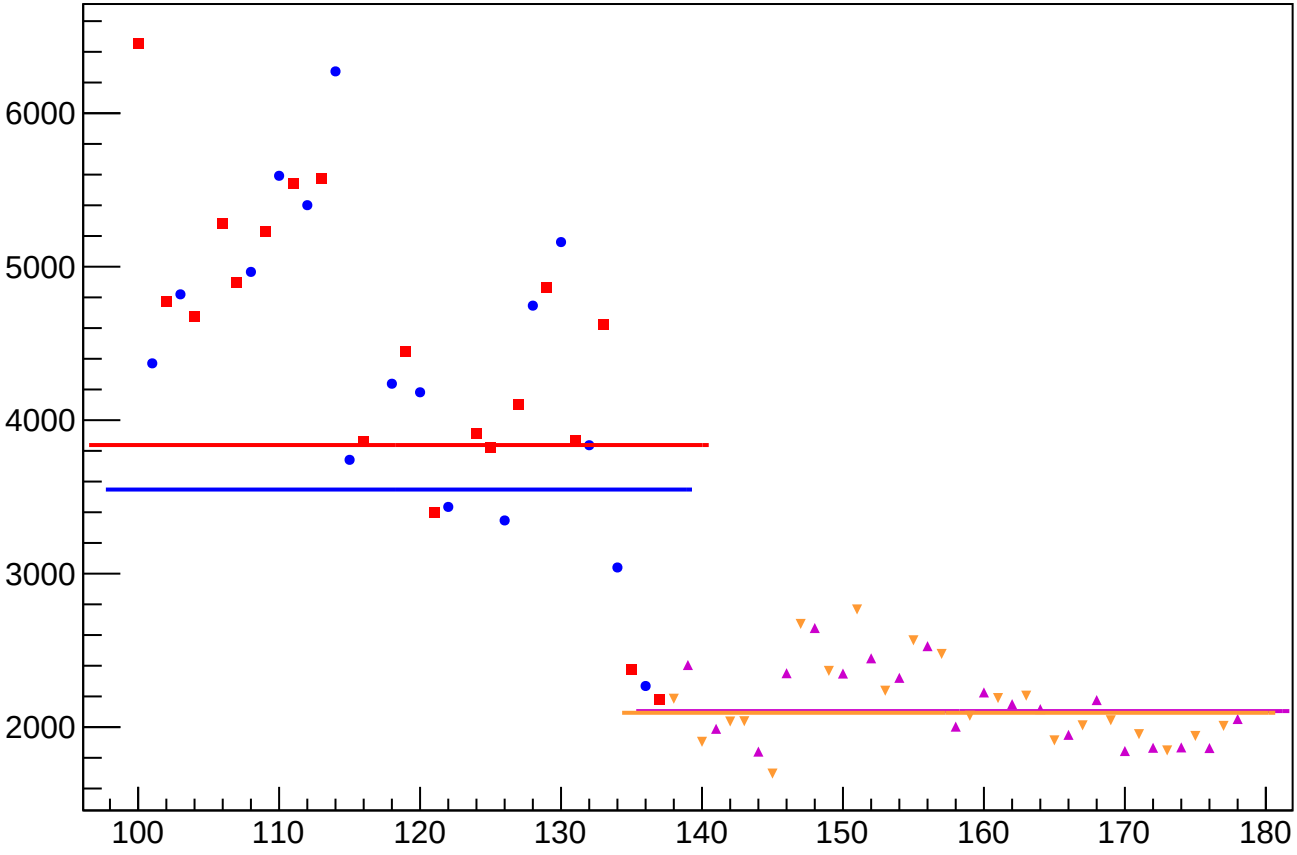
Left In: -336.792+/-524.963 χ^2/NDF:30.8/19

+ sign -1443.475+/-484.824 χ^2/NDF: 56.7/36

All: -933.333+/-346.030 χ^2/NDF: 104.5/75

- sign -403.639+/-494.027 χ^2/NDF: 45.5/38

asym_sam2_eigen_dit_correction_rms vs Slug



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2093.438+/-0.366 χ^2/NDF:479286.1/20

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

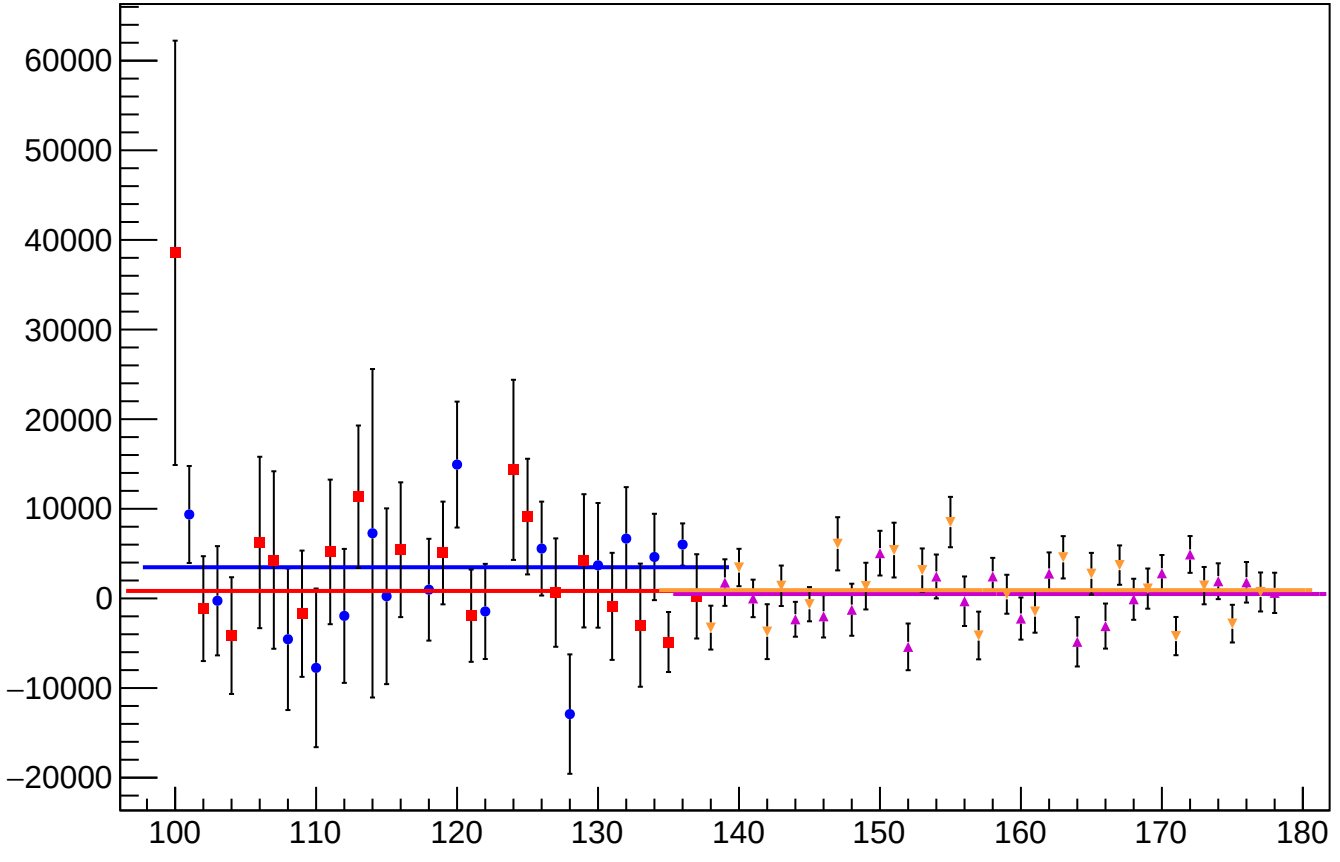
Left In: 2104.418+/-0.371 χ^2/NDF:401182.6/19

\+ sign 2271.895+/-0.343 χ^2/NDF: 3675378.0/36

All: 2287.012+/-0.245 χ^2/NDF: 7730998.1/75

\- sign 2302.708+/-0.349 χ^2/NDF: 4051656.8/38

asym_sam2_mean vs Slug



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 921.953+/-511.042 χ^2/NDF:39.1/20

Right Out: 832.583+/-1449.649 χ^2/NDF: 14.0/18

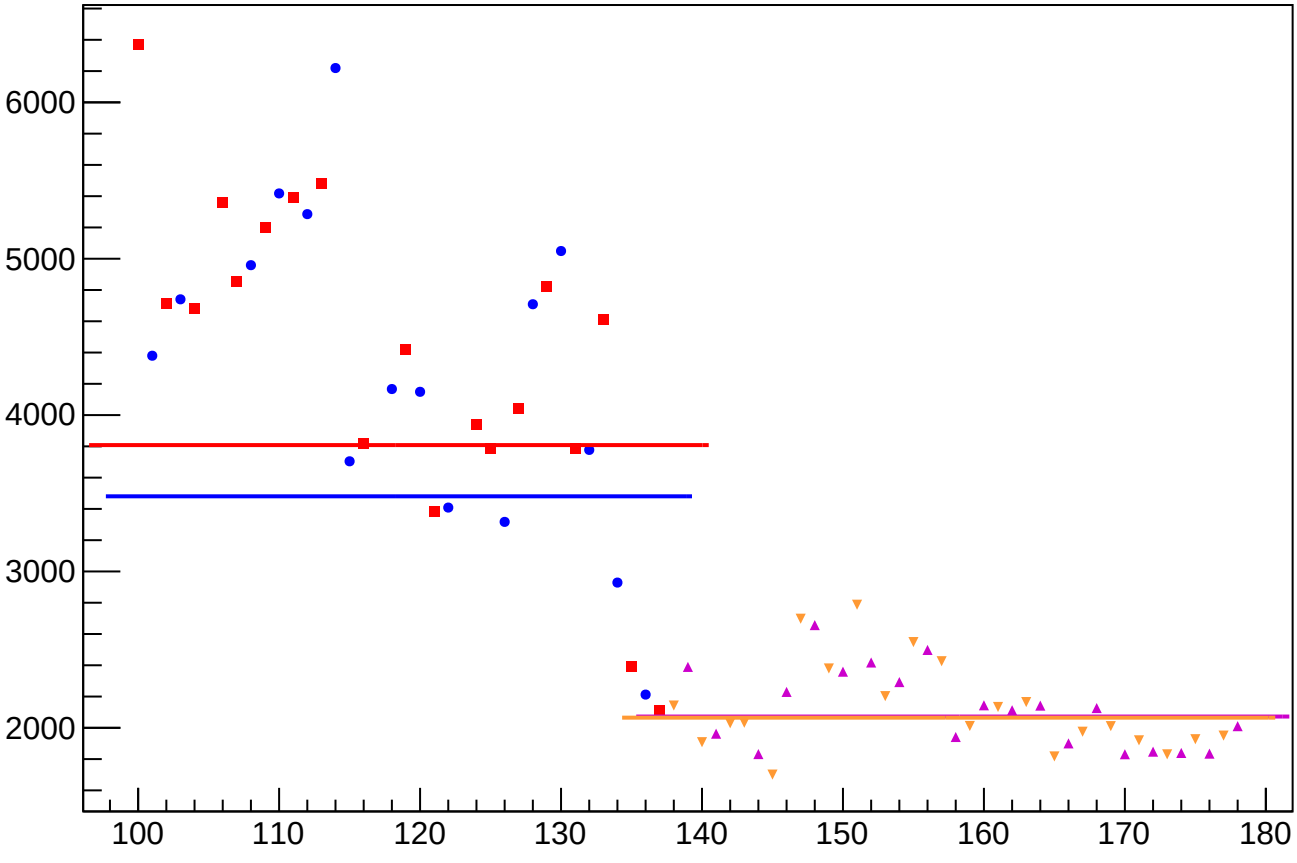
Left In: 490.886+/-516.999 χ^2/NDF:28.9/19

+ sign 1238.112+/-478.398 χ^2/NDF: 58.5/36

All: 890.061+/-341.265 χ^2/NDF: 102.5/75

- sign 529.443+/-486.958 χ^2/NDF: 42.9/38

asym_sam2_rms vs Slug



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2065.031+/-0.361 χ^2/NDF:503302.9/20

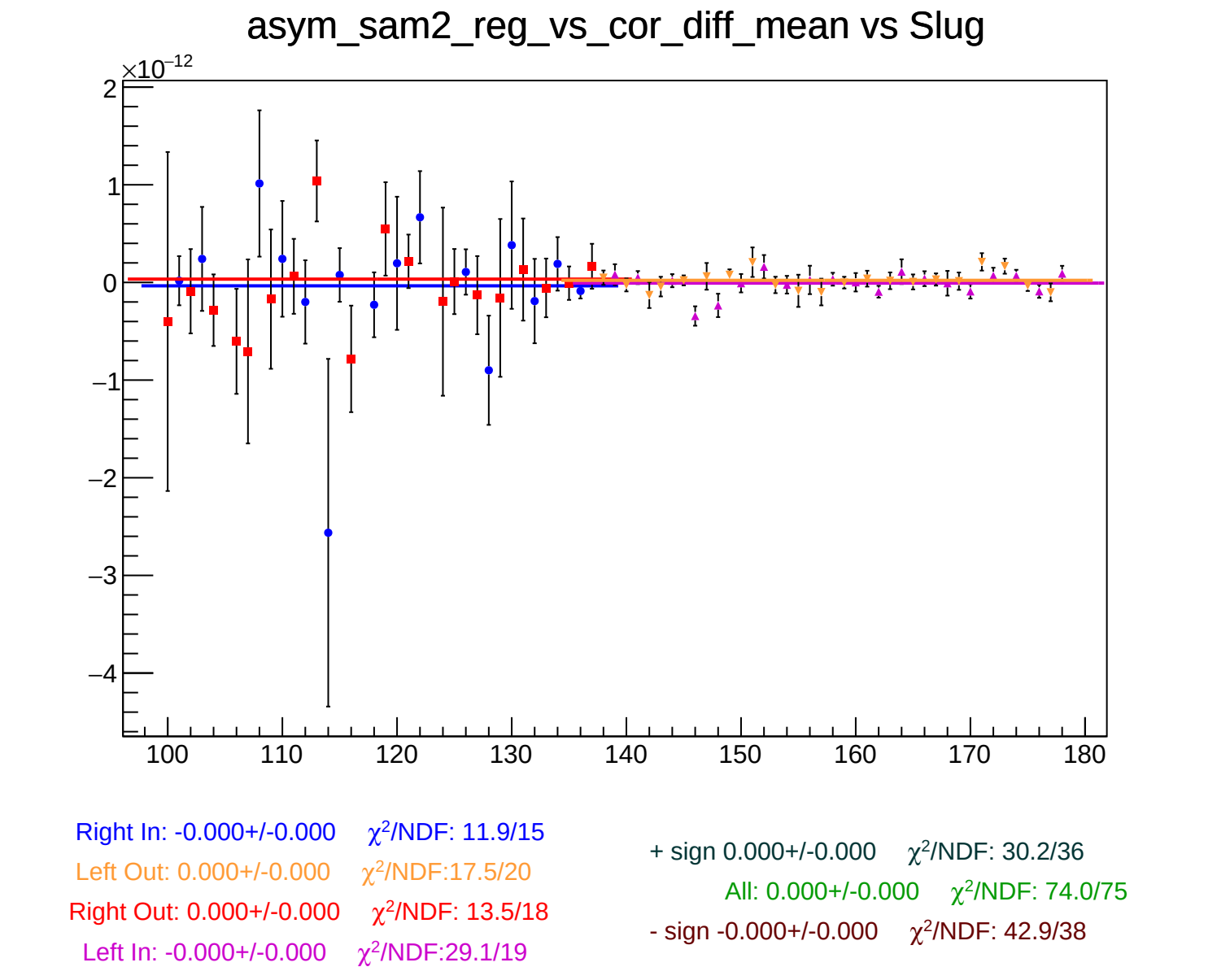
Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

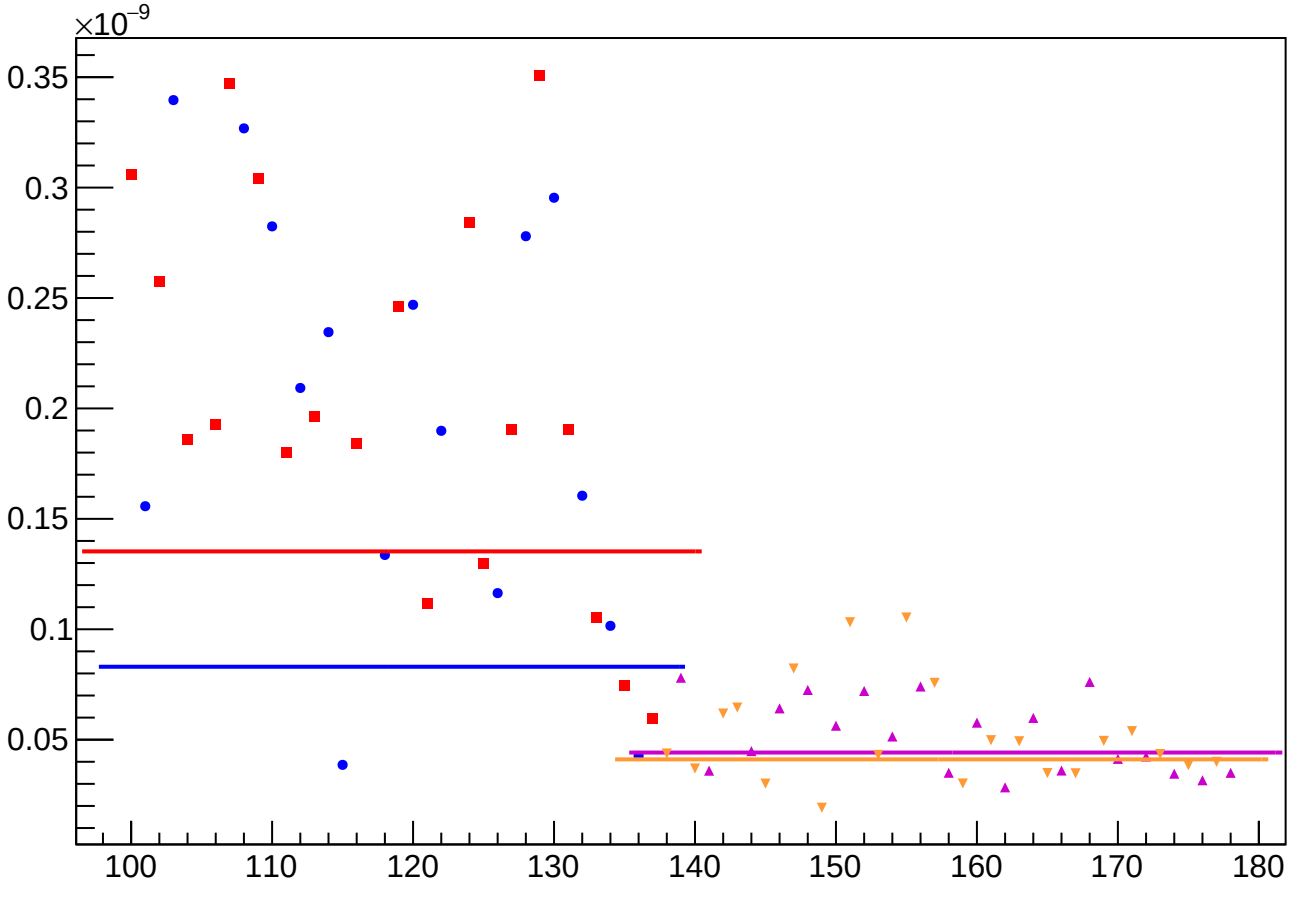
Left In: 2072.176+/-0.366 χ^2/NDF:405974.4/19

+ sign 2240.093+/-0.338 χ^2/NDF: 3697647.4/36

All: 2253.829+/-0.241 χ^2/NDF: 7798993.4/75

- sign 2268.061+/-0.344 χ^2/NDF: 4097988.9/38


asym_sam2_reg_vs_cor_diff_mean vs Slug
×10^−12
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 11.9/15
Left Out: 0.000+/-0.000 χ²/NDF:17.5/20
Right Out: 0.000+/-0.000 χ²/NDF: 13.5/18
Left In: -0.000+/-0.000 χ²/NDF:29.1/19
+ sign 0.000+/-0.000 χ²/NDF: 30.2/36
All: 0.000+/-0.000 χ²/NDF: 74.0/75
- sign -0.000+/-0.000 χ²/NDF: 42.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1726118.1/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1401659.7/18

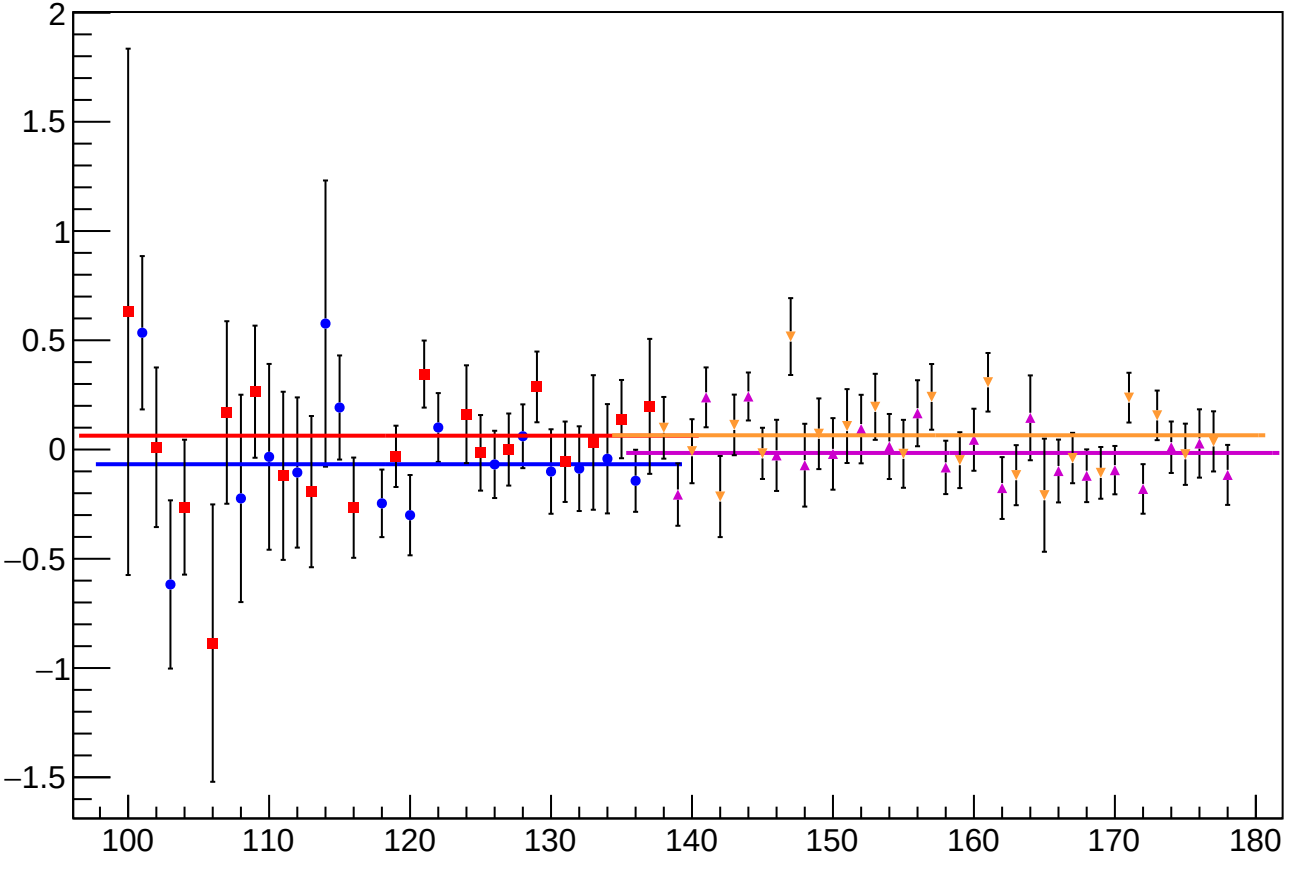
Left In: 0.000+/-0.000 χ^2/NDF:1207761.6/19

+ sign 0.000+/-0.000 χ^2/NDF: 5316462.3/36

All: 0.000+/-0.000 χ^2/NDF: 10184557.2/75

- sign 0.000+/-0.000 χ^2/NDF: 4810539.7/38

asym_sam2_dit_vs_cor_diff_mean vs Slug



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.065+/-0.030 χ^2/NDF:25.5/20

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

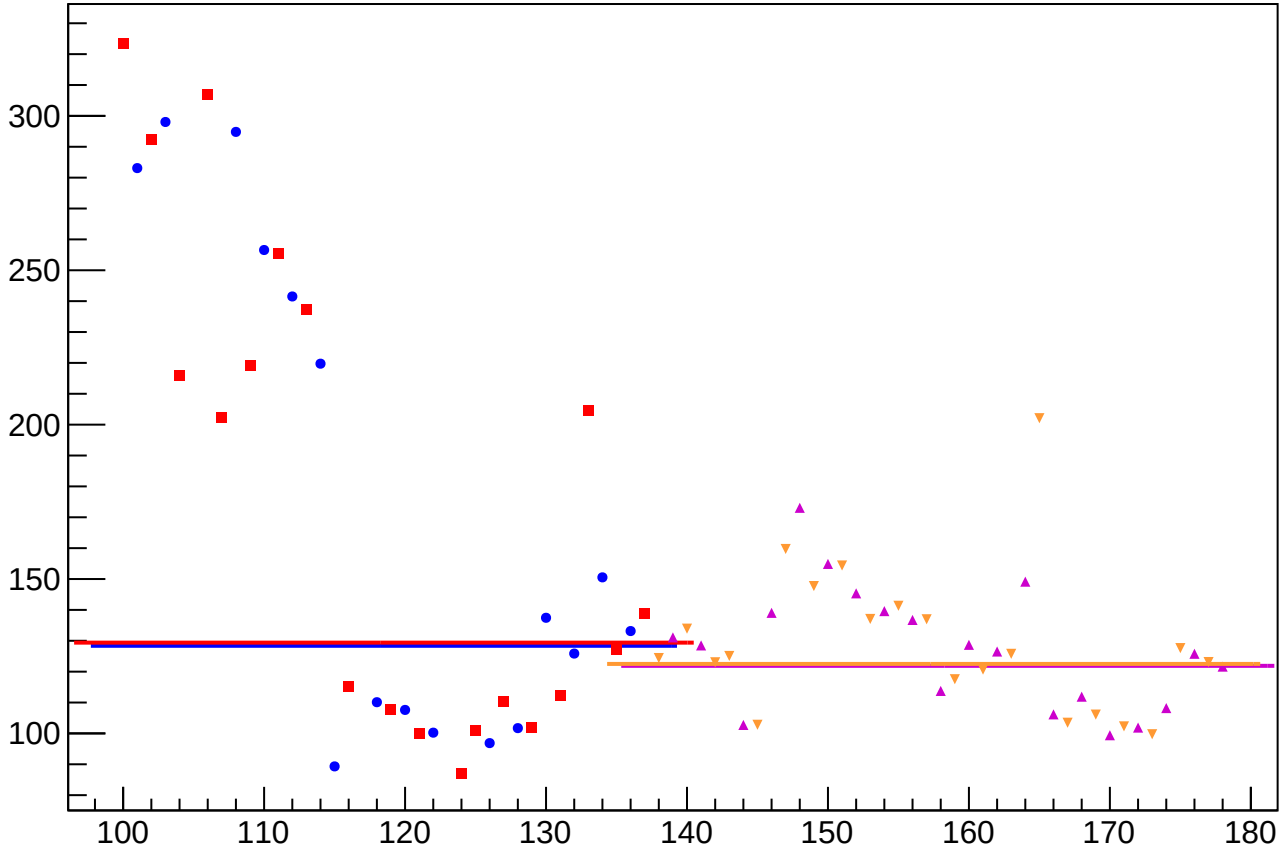
Left In: -0.016+/-0.031 χ^2/NDF:19.6/19

+ sign 0.031+/-0.026 χ^2/NDF: 42.8/36

All: 0.018+/-0.019 χ^2/NDF: 78.7/75

- sign 0.005+/-0.026 χ^2/NDF: 35.4/38

asym_sam2_dit_vs_cor_diff_rms vs Slug



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 122.502+/-0.022 χ^2/NDF:778424.2/20

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

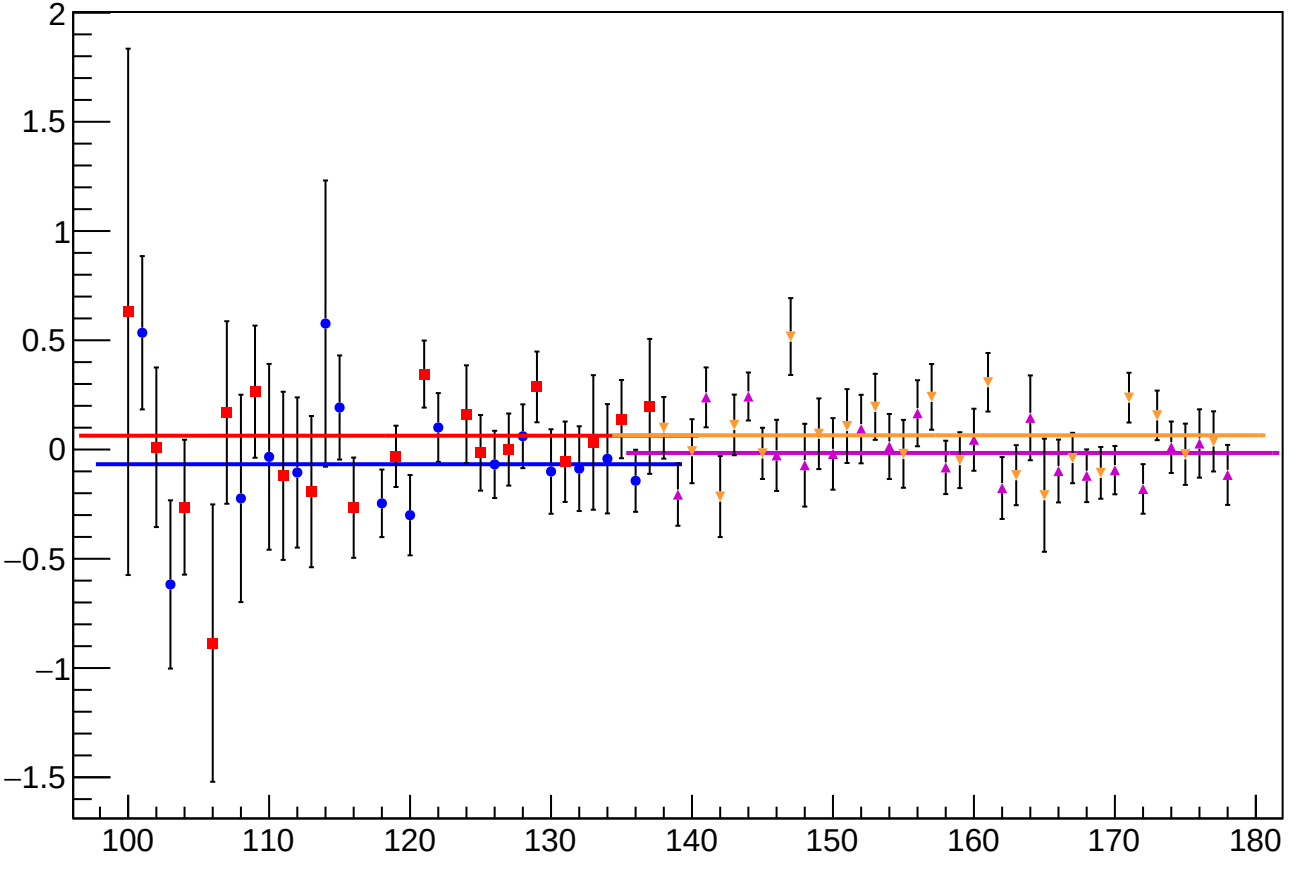
Left In: 121.883+/-0.022 χ^2/NDF:681220.8/19

+ sign 124.016+/-0.019 χ^2/NDF: 2602644.0/36

All: 123.937+/-0.013 χ^2/NDF: 5203430.8/75

- sign 123.858+/-0.019 χ^2/NDF: 2600750.7/38

asym_sam2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.065+/-0.030 χ^2/NDF:25.5/20

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

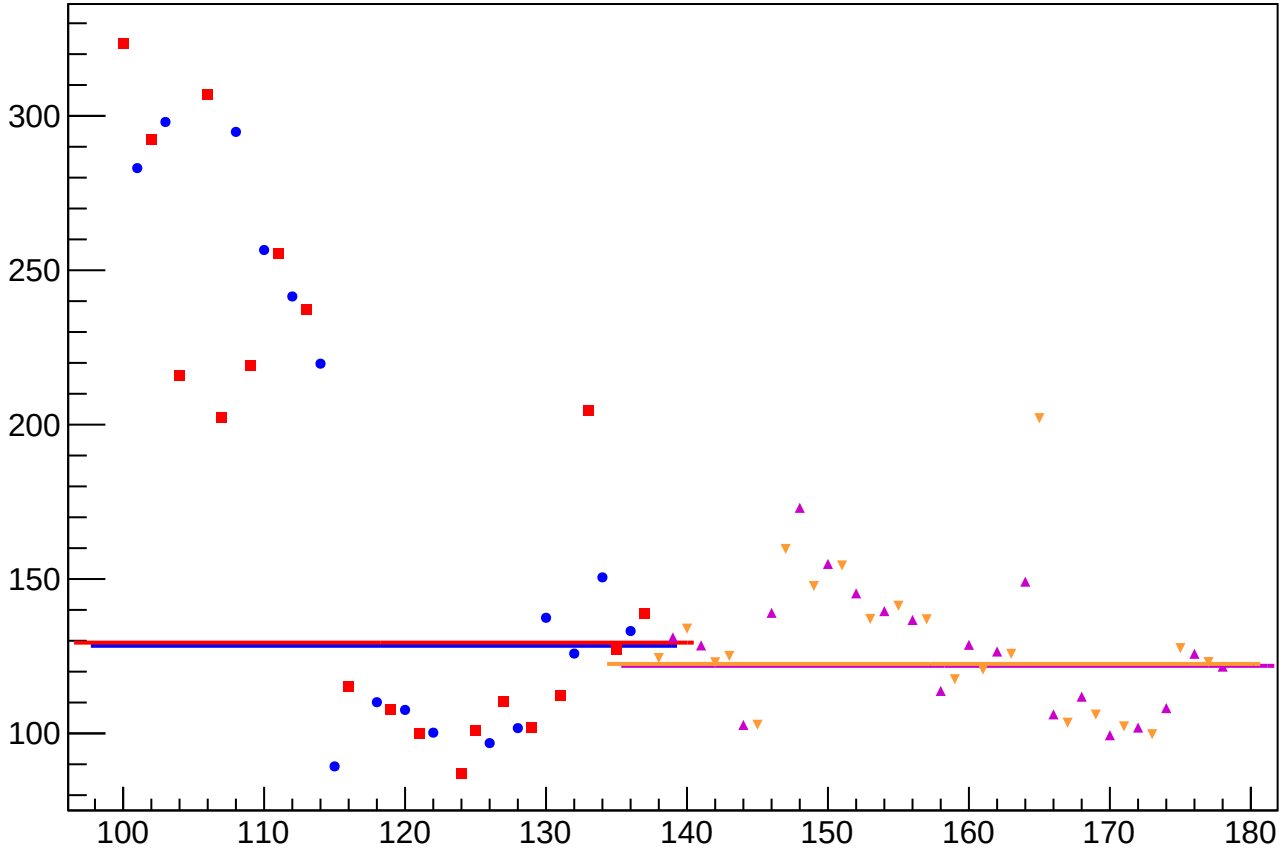
Left In: -0.016+/-0.031 χ^2/NDF:19.6/19

+ sign 0.031+/-0.026 χ^2/NDF: 42.8/36

All: 0.018+/-0.019 χ^2/NDF: 78.7/75

- sign 0.005+/-0.026 χ^2/NDF: 35.4/38

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 122.502+/-0.022 χ^2/NDF:778424.2/20

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

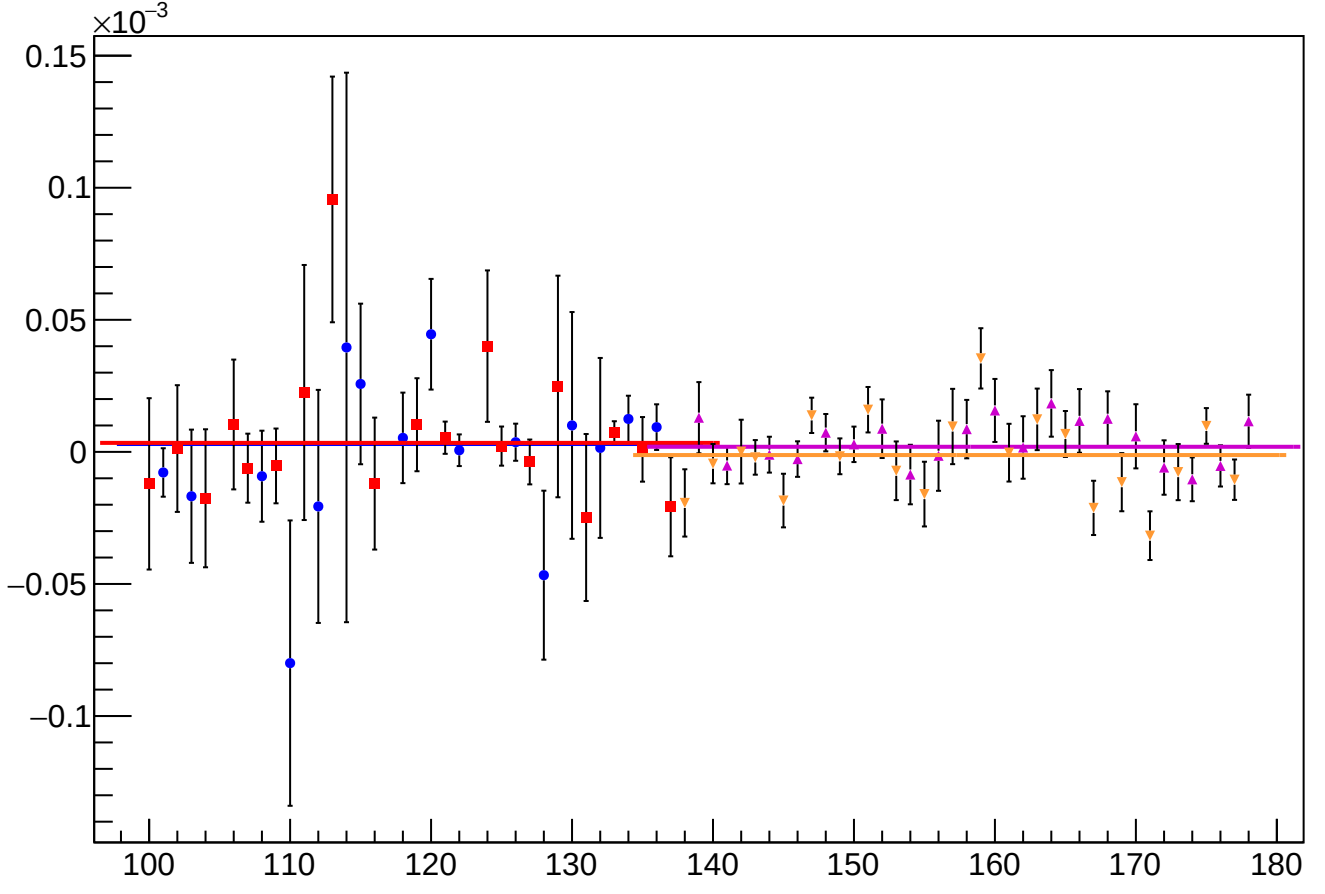
Left In: 121.883+/-0.022 χ^2/NDF:681220.8/19

+ sign 124.016+/-0.019 χ^2/NDF: 2602644.0/36

All: 123.937+/-0.013 χ^2/NDF: 5203430.8/75

- sign 123.858+/-0.019 χ^2/NDF: 2600750.7/38

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:49.1/20

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/18

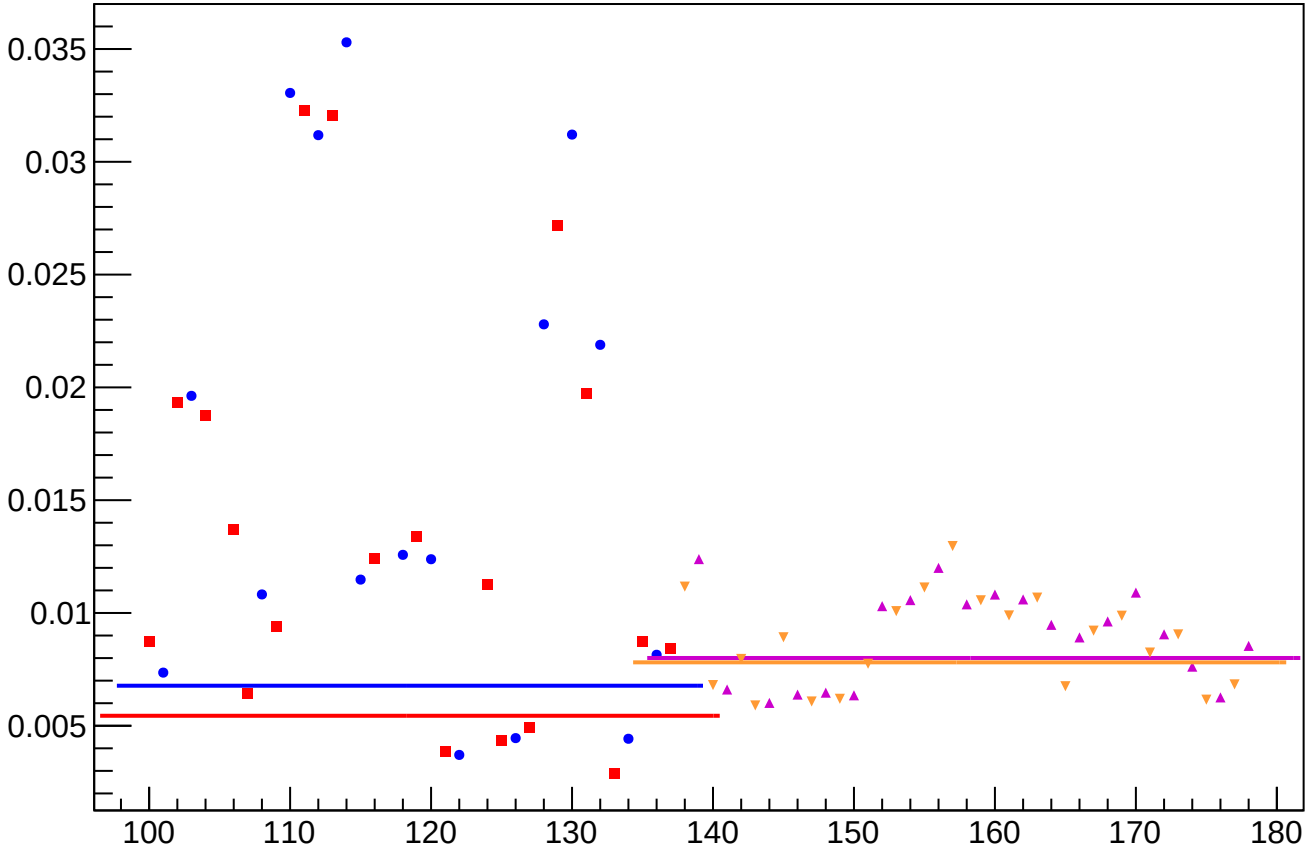
Left In: 0.000+/-0.000 χ^2/NDF:14.0/19

+ sign -0.000+/-0.000 χ^2/NDF: 64.5/36

All: 0.000+/-0.000 χ^2/NDF: 92.5/75

- sign 0.000+/-0.000 χ^2/NDF: 26.8/38

asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 4772275.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:1741851.1/20

Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

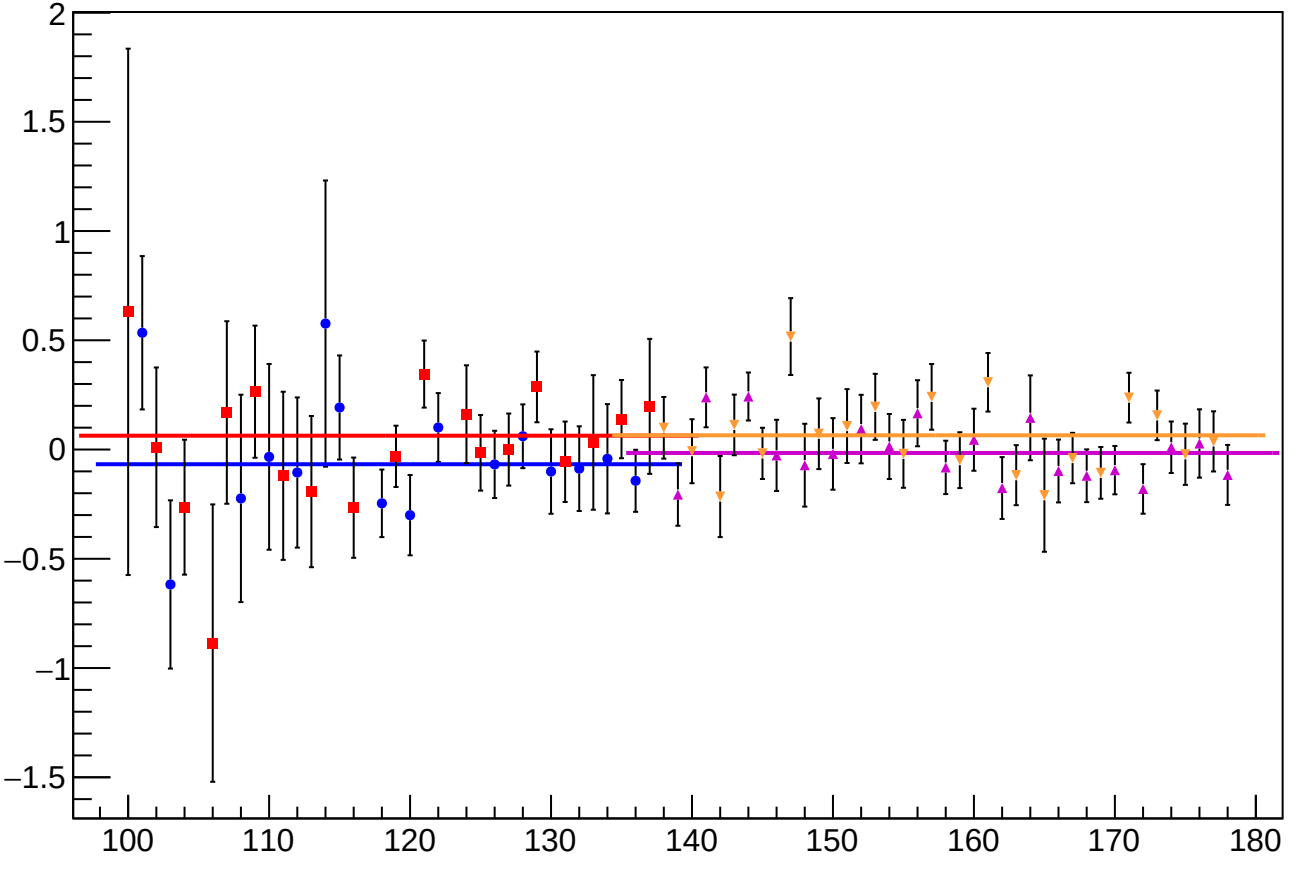
Left In: 0.008+/-0.000 χ^2/NDF:1797661.4/19

+ sign 0.008+/-0.000 χ^2/NDF: 6669833.9/36

All: 0.007+/-0.000 χ^2/NDF: 15328567.3/75

- sign 0.007+/-0.000 χ^2/NDF: 8564737.2/38

asym_sam2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.065+/-0.030 χ^2/NDF:25.5/20

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

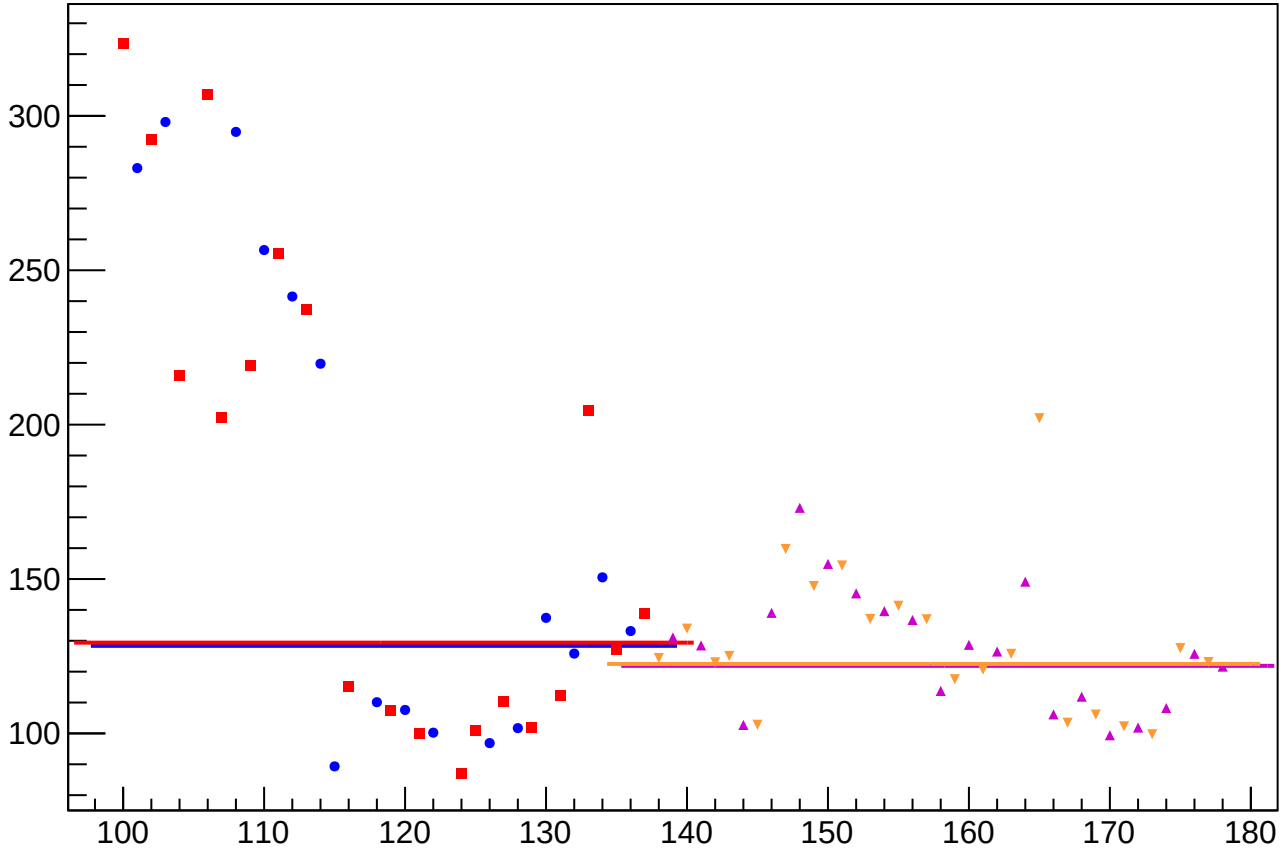
Left In: -0.016+/-0.031 χ^2/NDF:19.6/19

+ sign 0.031+/-0.026 χ^2/NDF: 42.8/36

All: 0.018+/-0.019 χ^2/NDF: 78.7/75

- sign 0.005+/-0.026 χ^2/NDF: 35.4/38

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 122.502+/-0.022 χ^2/NDF:778470.1/20

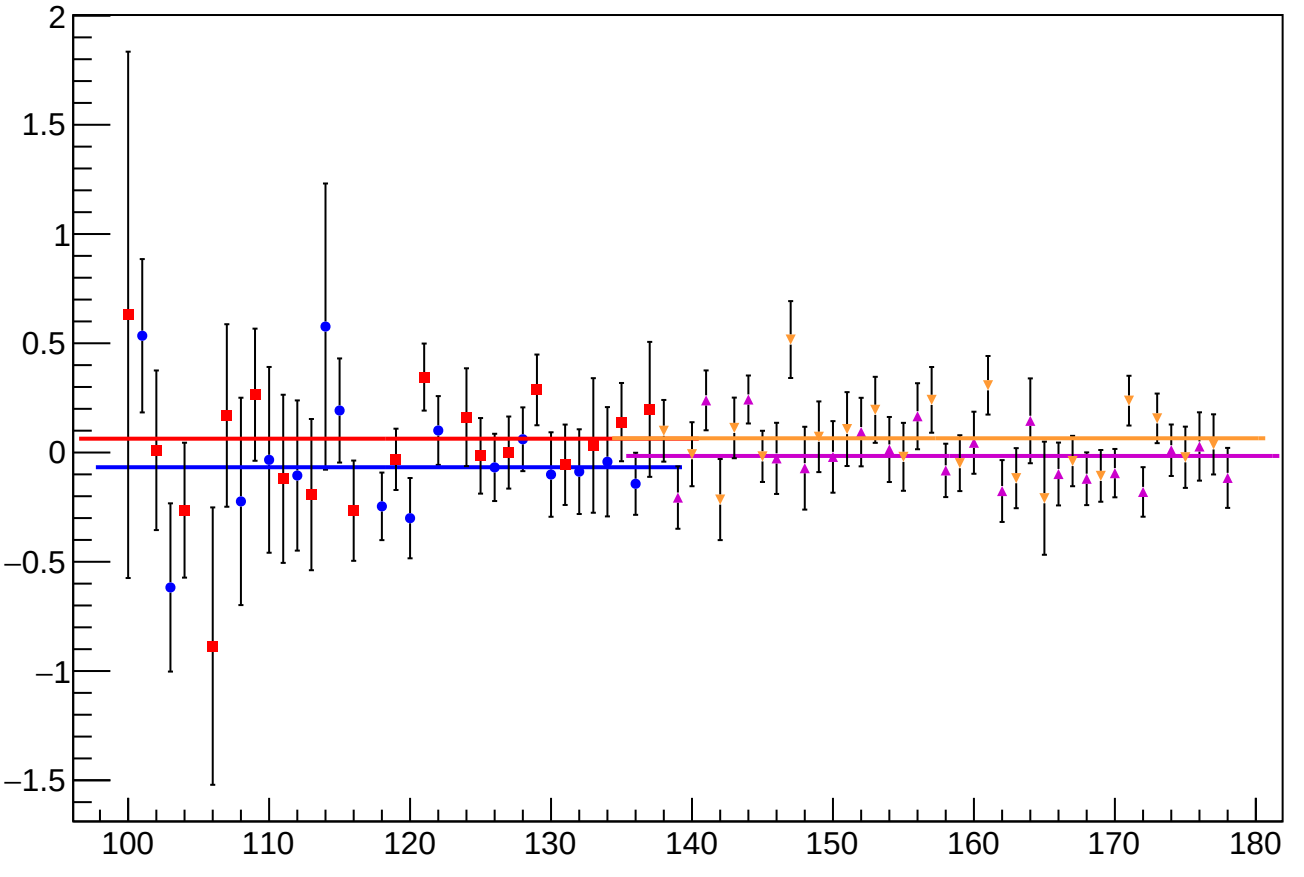
Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 121.883+/-0.022 χ^2/NDF:681246.7/19

+ sign 124.015+/-0.019 χ^2/NDF: 2602620.6/36

All: 123.937+/-0.013 χ^2/NDF: 5203411.3/75

- sign 123.857+/-0.019 χ^2/NDF: 2600754.7/38



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.065+/-0.030 χ^2/NDF:25.5/20

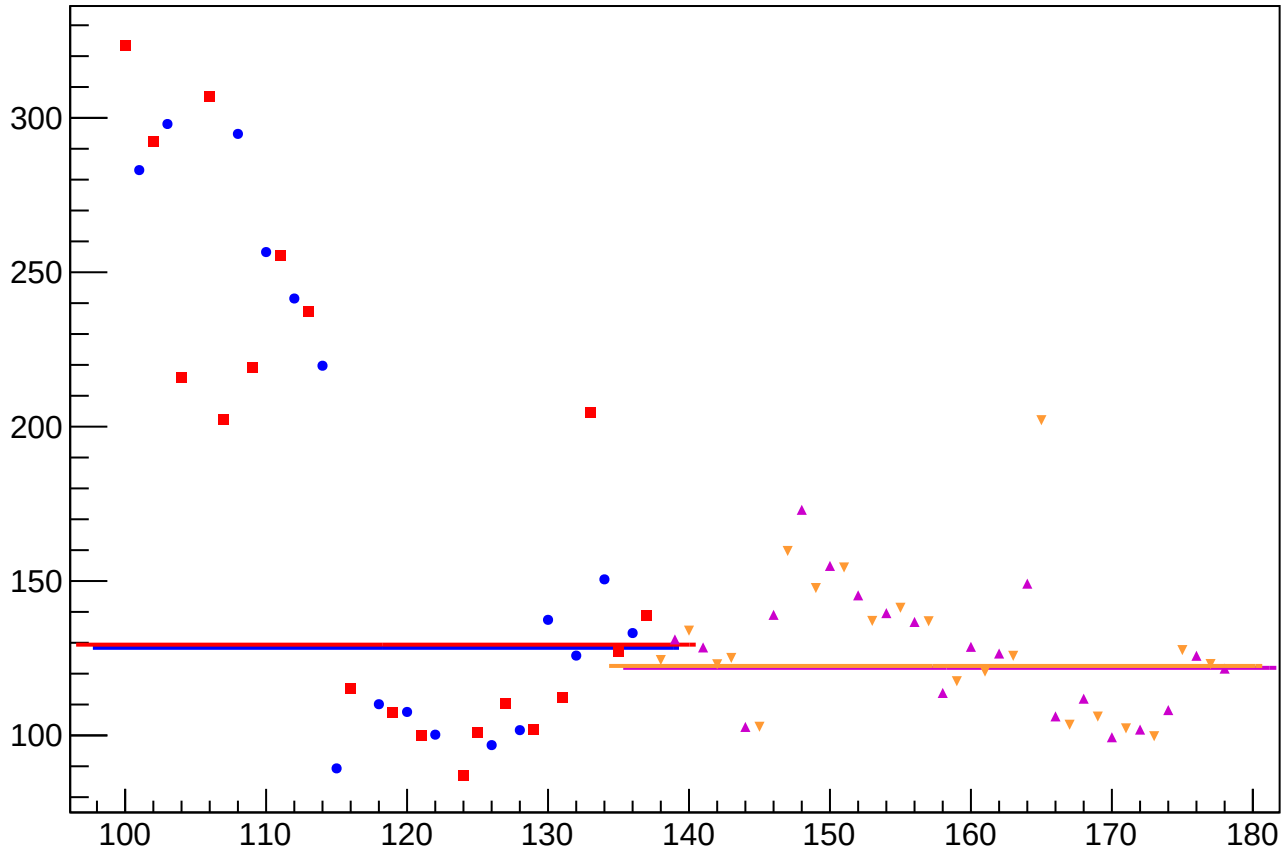
Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.016+/-0.031 χ^2/NDF:19.6/19

+ sign 0.031+/-0.026 χ^2/NDF: 42.8/36

All: 0.018+/-0.019 χ^2/NDF: 78.7/75

- sign 0.005+/-0.026 χ^2/NDF: 35.4/38



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 122.502+/-0.022 χ^2/NDF:778470.1/20

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

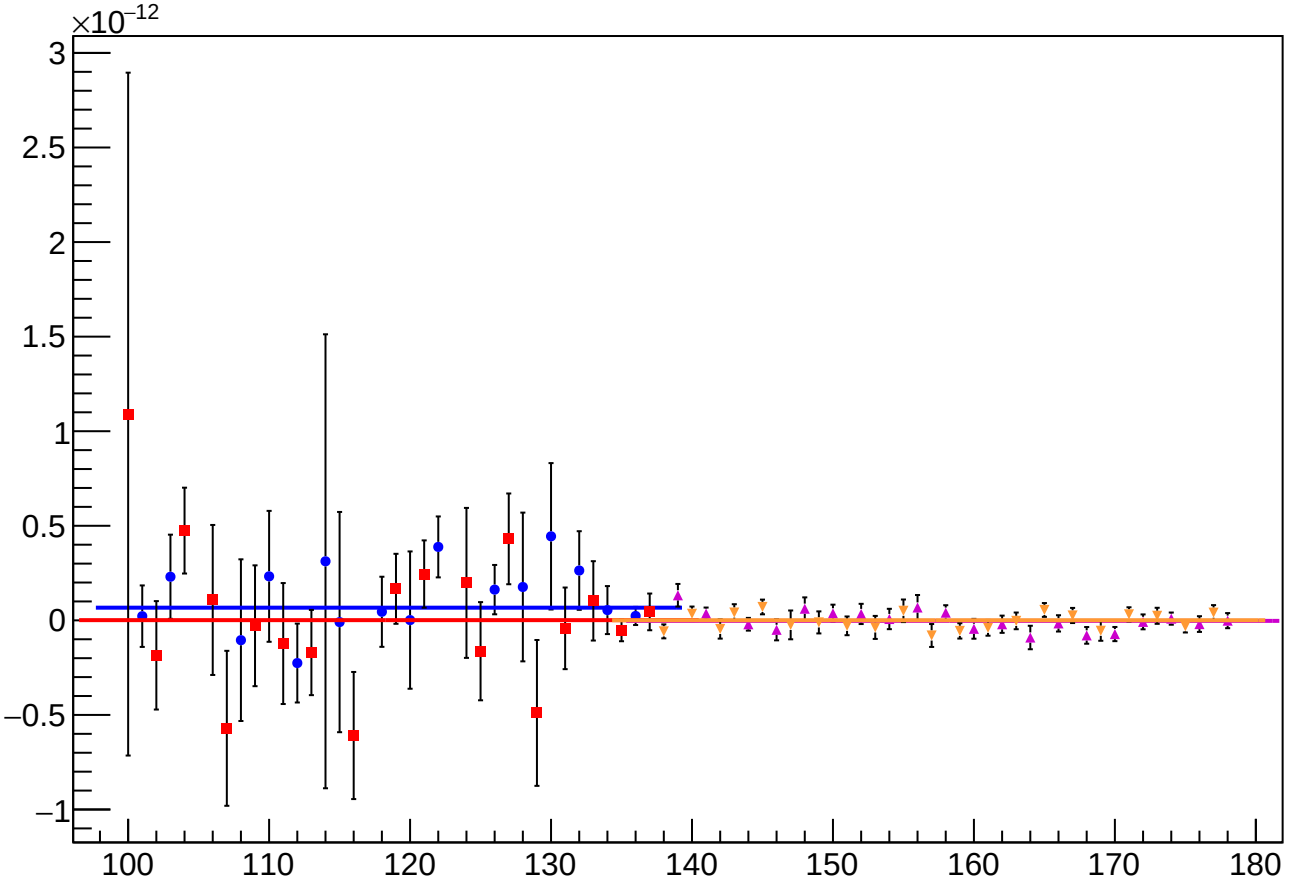
Left In: 121.883+/-0.022 χ^2/NDF:681246.7/19

+ sign 124.015+/-0.019 χ^2/NDF: 2602620.6/36

All: 123.937+/-0.013 χ^2/NDF: 5203411.3/75

- sign 123.857+/-0.019 χ^2/NDF: 2600754.7/38

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:21.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/18

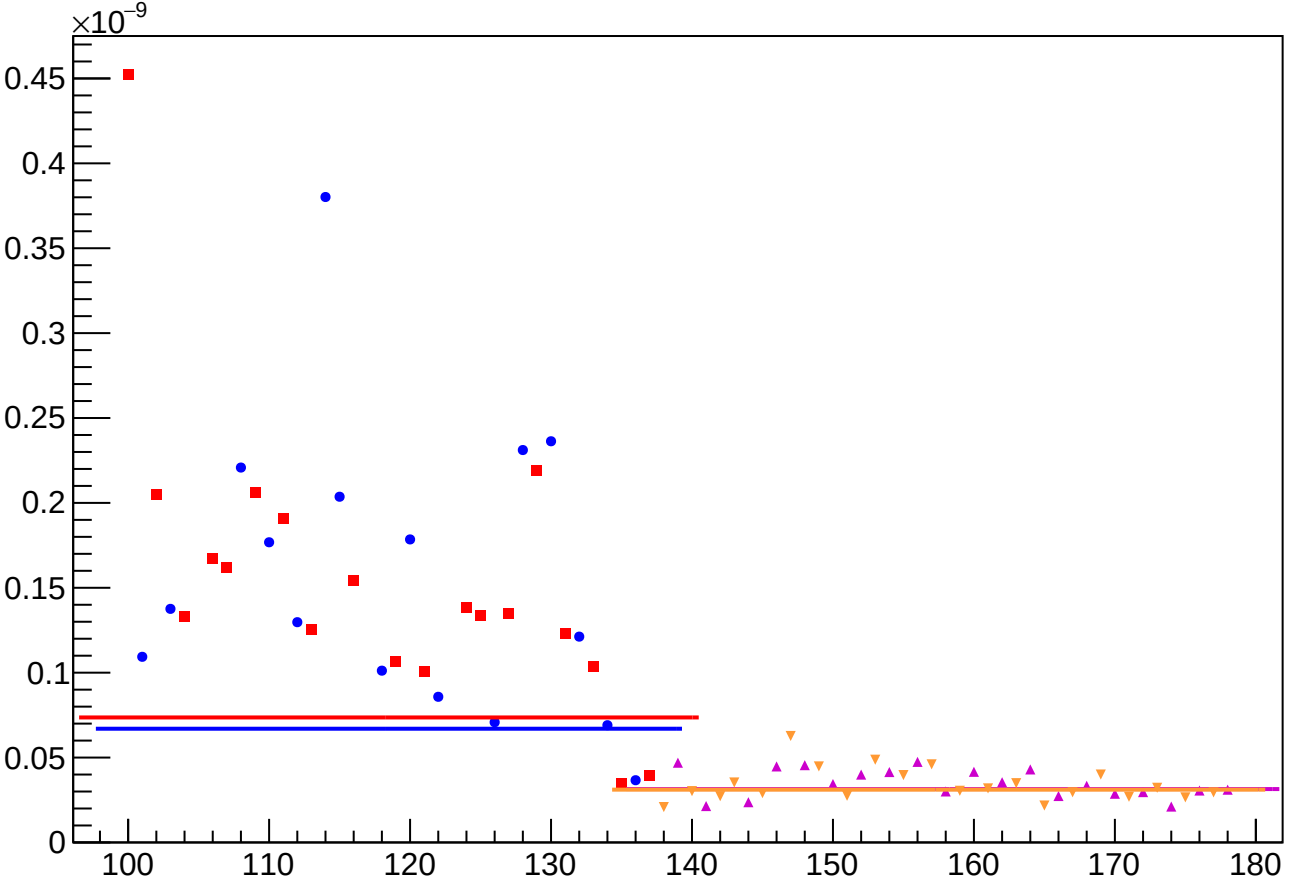
Left In: -0.000+/-0.000 χ^2/NDF:22.1/19

+ sign 0.000+/-0.000 χ^2/NDF: 34.7/36

All: 0.000+/-0.000 χ^2/NDF: 77.8/75

- sign -0.000+/-0.000 χ^2/NDF: 42.8/38

asym_sam2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3180725.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1262027.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 3653663.9/18

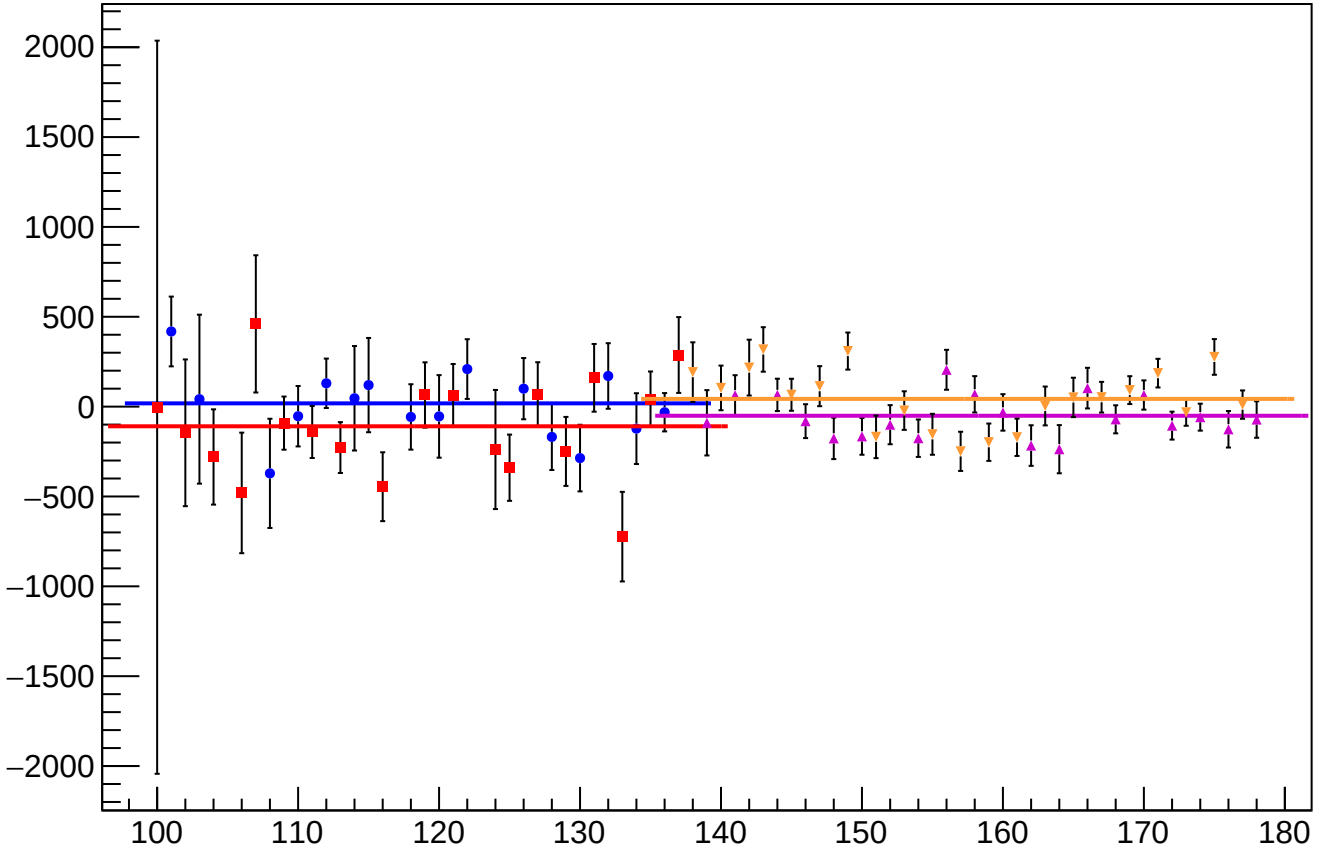
Left In: 0.000+/-0.000 χ^2/NDF:1318112.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 6288144.4/36

All: 0.000+/-0.000 χ^2/NDF: 13423395.8/75

- sign 0.000+/-0.000 χ^2/NDF: 7133107.6/38

reg_asym_sam3_mean vs Slug



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 43.024+/-21.907 χ^2/NDF:48.2/20

Right Out: -109.432+/-45.825 χ^2/NDF: 25.5/18

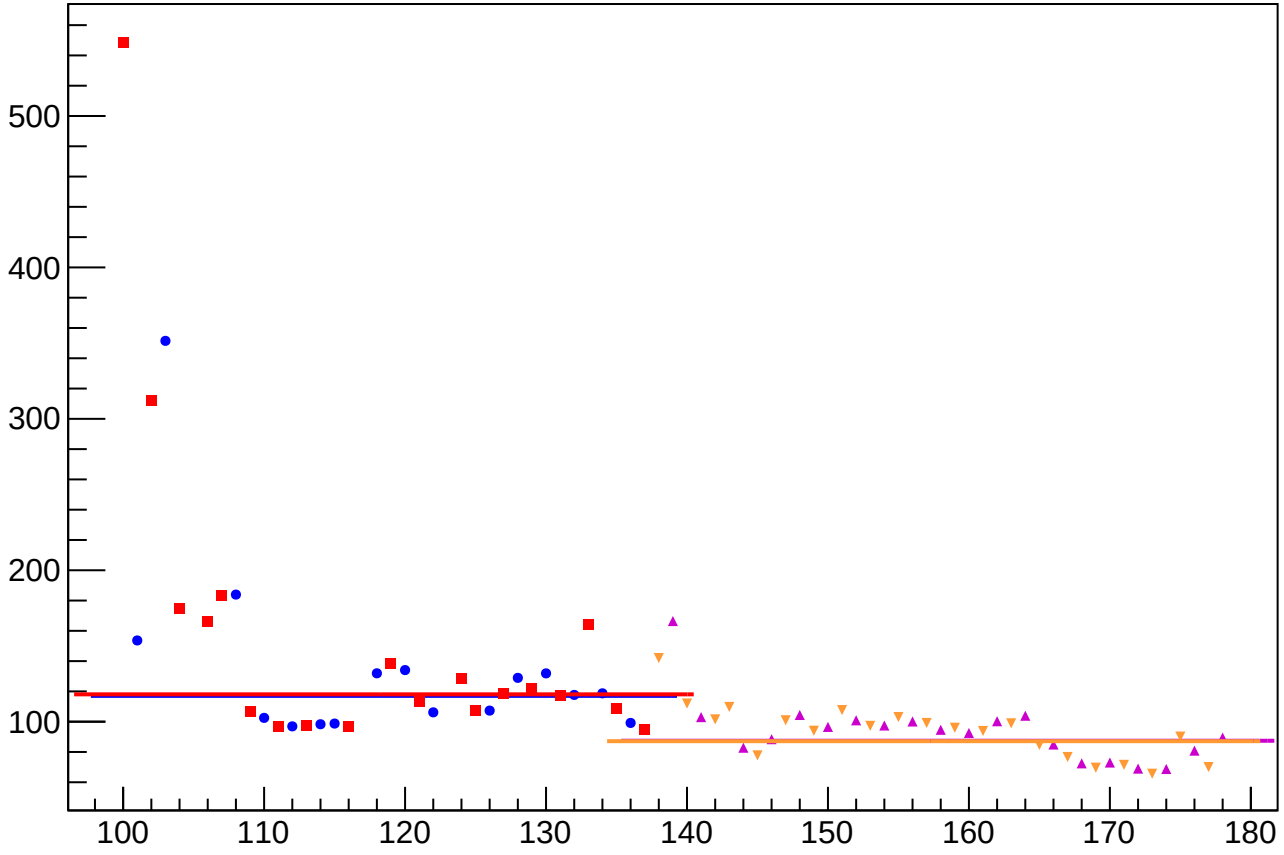
Left In: -50.798+/-22.174 χ^2/NDF:22.8/19

+ sign 38.387+/-19.755 χ^2/NDF: 62.3/36

All: -11.250+/-14.041 χ^2/NDF: 124.6/75

- sign -61.922+/-19.960 χ^2/NDF: 49.6/38

reg_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 87.124+/-0.015 χ^2/NDF:1103261.1/20

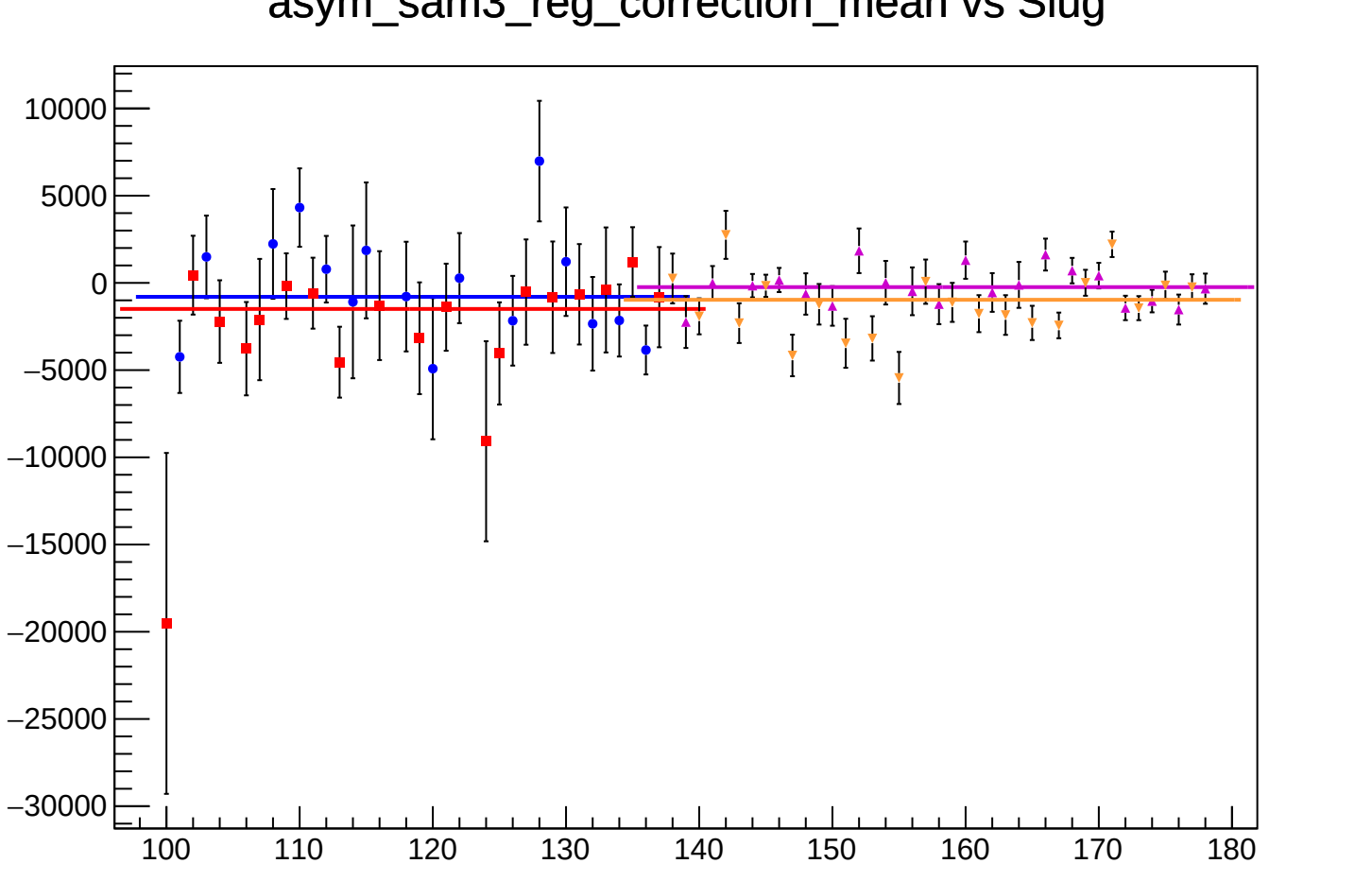
Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

Left In: 87.409+/-0.016 χ^2/NDF:1011287.1/19

+ sign 92.718+/-0.014 χ^2/NDF: 2659504.1/36

All: 92.968+/-0.010 χ^2/NDF: 5387103.0/75

- sign 93.224+/-0.014 χ^2/NDF: 2726949.4/38



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -969.038+/-206.624 χ^2/NDF:65.2/20

Right Out: -1493.897+/-613.097 χ^2/NDF: 12.9/18

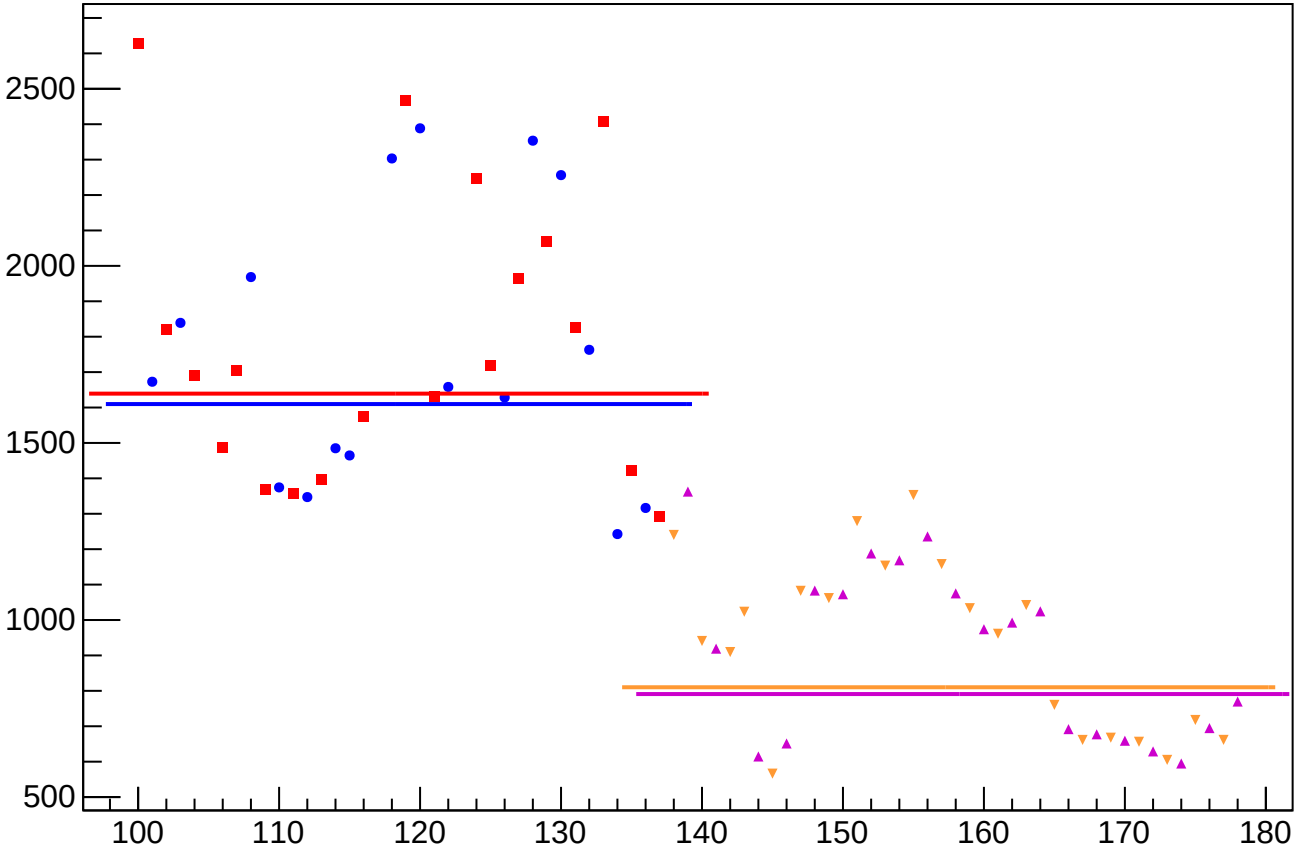
Left In: -241.777+/-203.547 χ^2/NDF:22.2/19

+ sign -951.855+/-195.897 χ^2/NDF: 88.7/36

All: -654.879+/-137.549 χ^2/NDF: 132.1/75

- sign -366.088+/-193.179 χ^2/NDF: 38.9/38

asym_sam3_reg_correction_rms vs Slug



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 810.111+/-0.146 χ^2/NDF:2308698.6/20

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

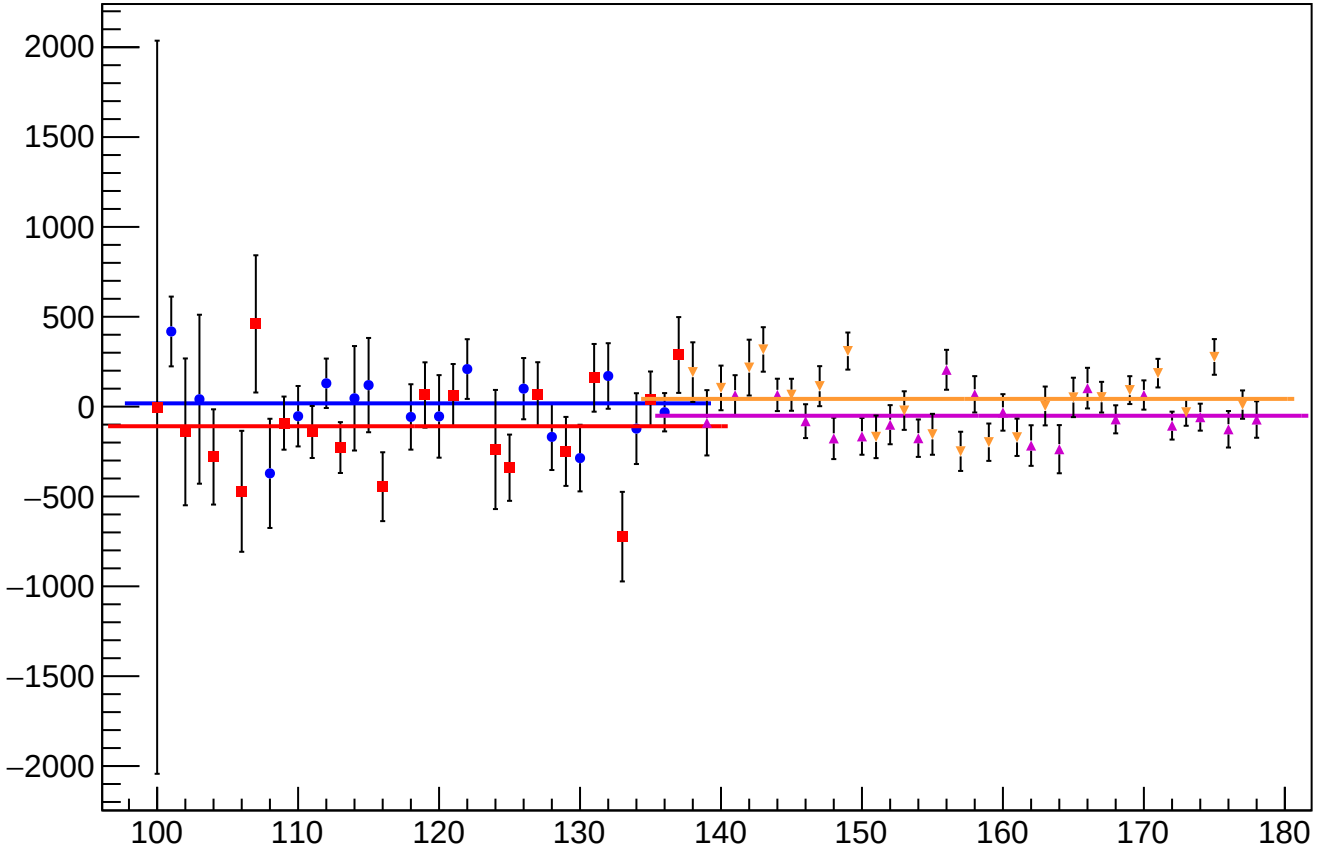
Left In: 790.938+/-0.144 χ^2/NDF:2144169.4/19

+ sign 890.983+/-0.139 χ^2/NDF: 5957349.8/36

All: 882.960+/-0.097 χ^2/NDF: 12077081.2/75

- sign 875.158+/-0.137 χ^2/NDF: 6113114.6/38

cor_asym_sam3_mean vs Slug



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 43.028+/-21.907 χ^2/NDF:48.2/20

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

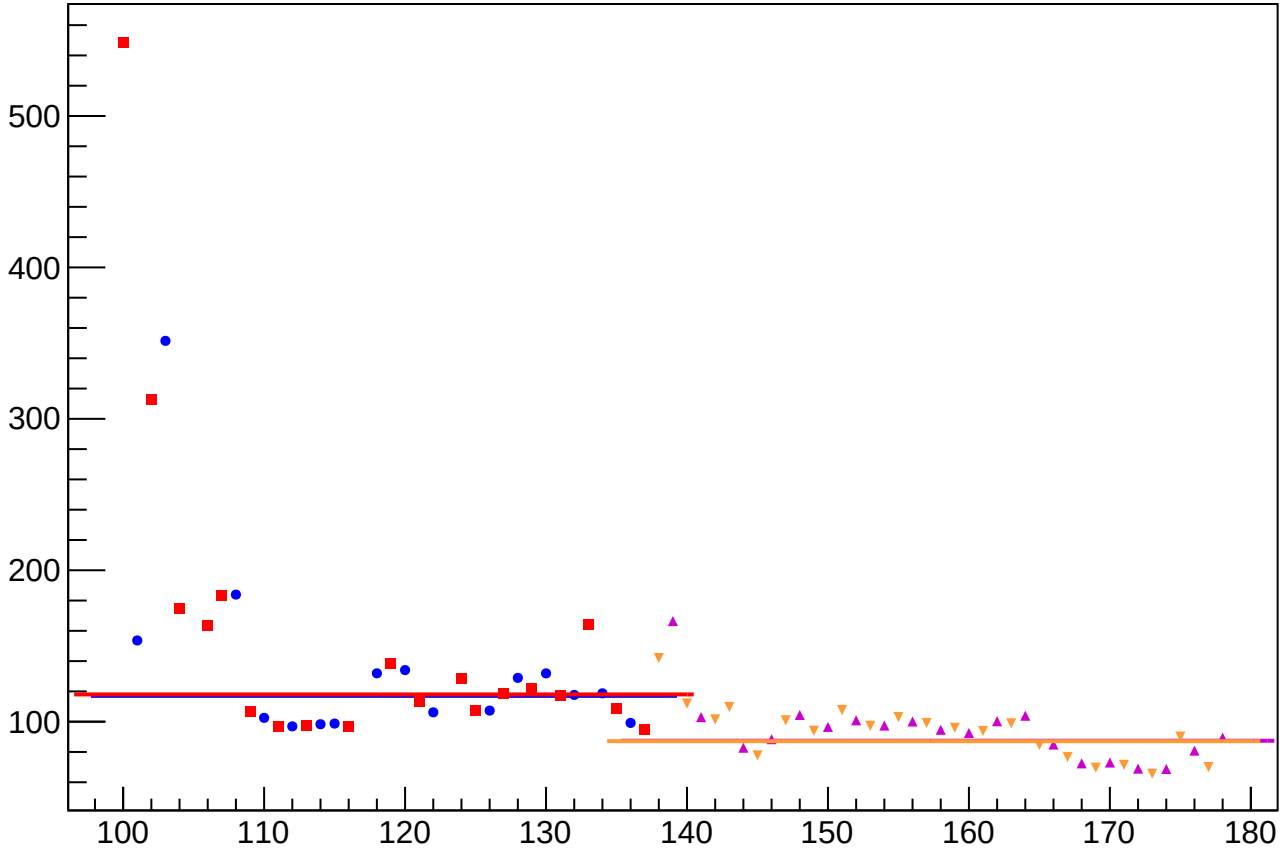
Left In: -50.800+/-22.174 χ^2/NDF:22.8/19

+ sign 38.388+/-19.755 χ^2/NDF: 62.3/36

All: -11.222+/-14.041 χ^2/NDF: 124.5/75

- sign -61.869+/-19.960 χ^2/NDF: 49.5/38

cor_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 87.124+/-0.015 χ^2/NDF:1103261.0/20

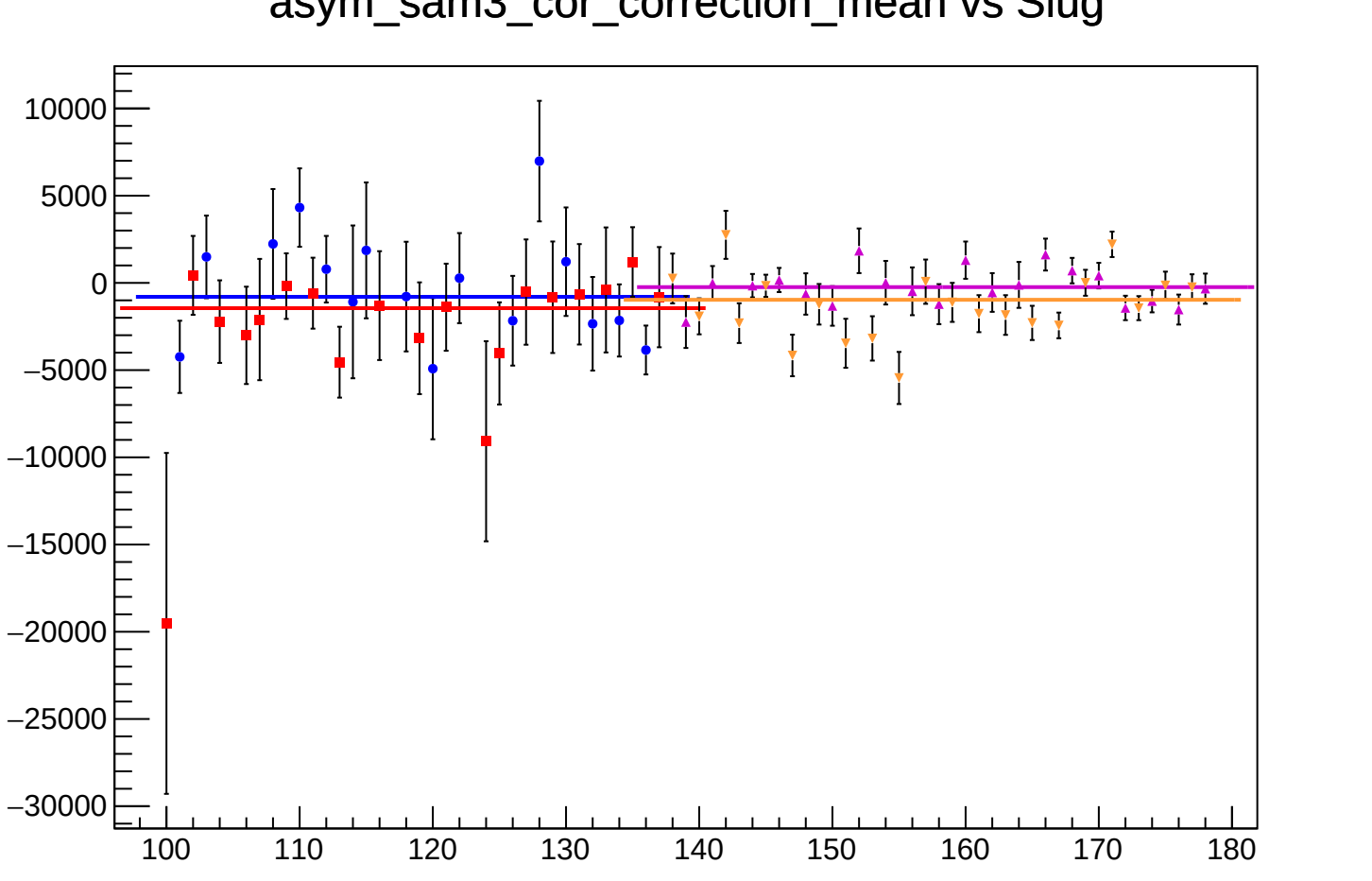
Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 87.409+/-0.016 χ^2/NDF:1011287.1/19

+ sign 92.718+/-0.014 χ^2/NDF: 2659505.6/36

All: 92.963+/-0.010 χ^2/NDF: 5380359.3/75

- sign 93.213+/-0.014 χ^2/NDF: 2720230.7/38



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -969.029+/-206.624 χ^2/NDF:65.2/20

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

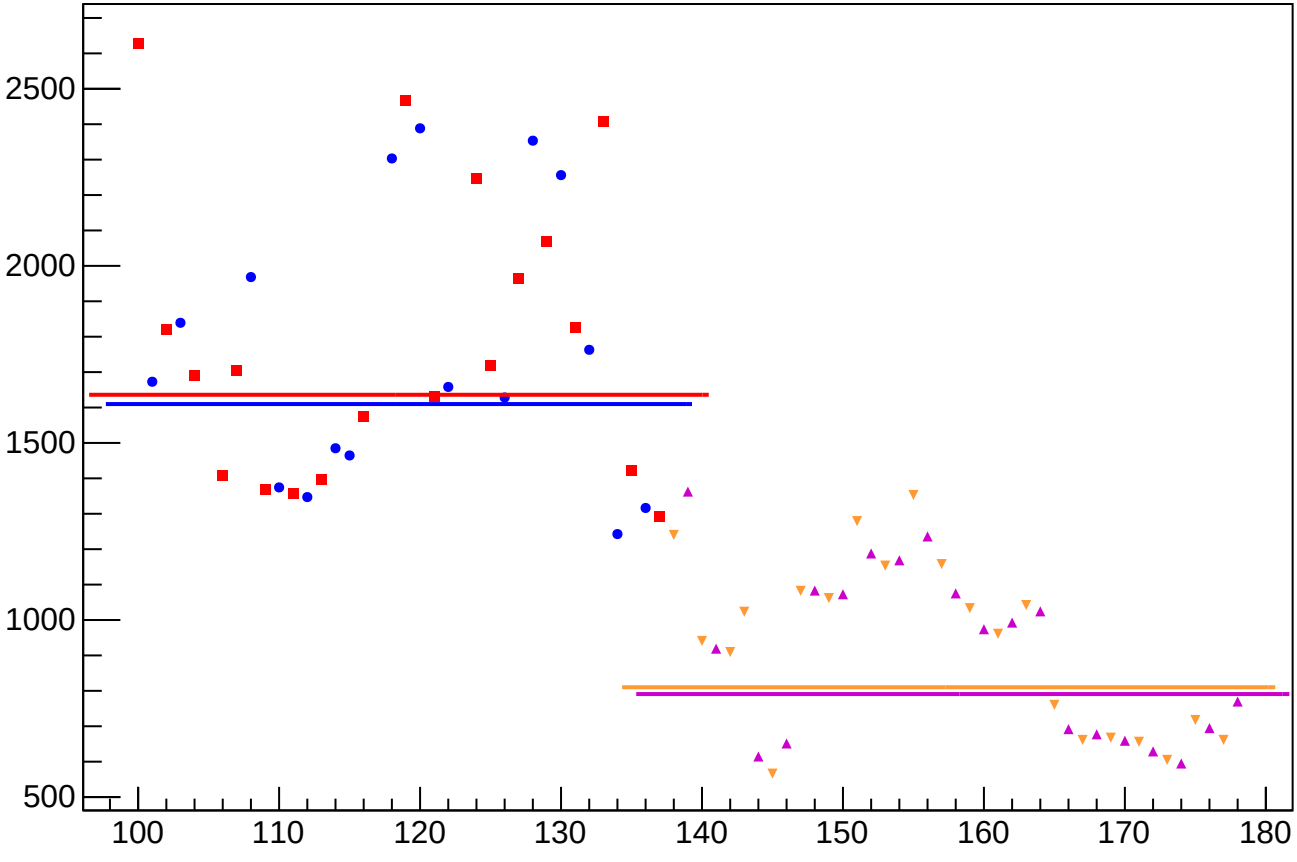
Left In: -241.779+/-203.547 χ^2/NDF:22.2/19

+ sign -951.846+/-195.897 χ^2/NDF: 88.7/36

All: -652.412+/-137.564 χ^2/NDF: 131.5/75

- sign -361.103+/-193.221 χ^2/NDF: 38.1/38

asym_sam3_cor_correction_rms vs Slug



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 810.111+/-0.146 χ^2/NDF:2308701.3/20

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

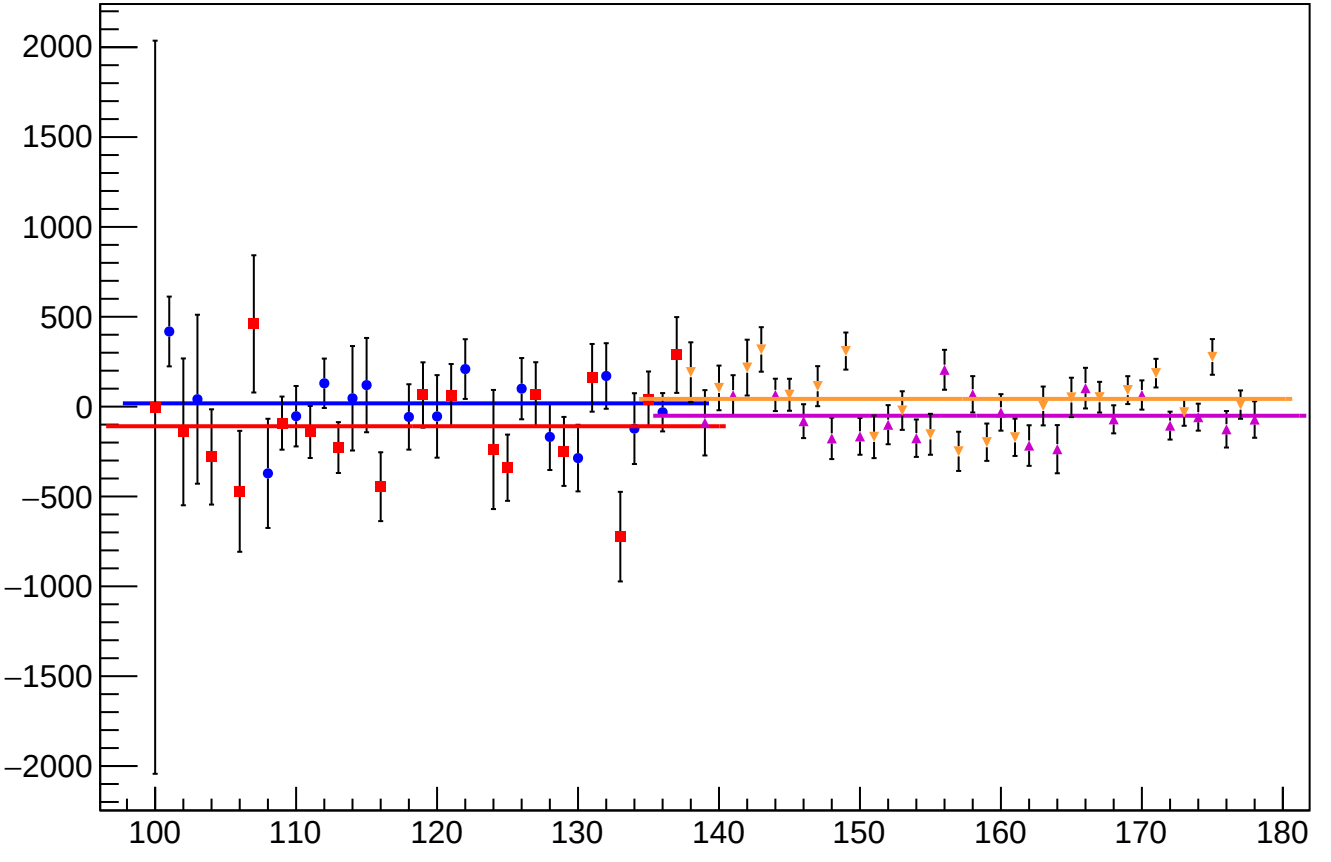
Left In: 790.938+/-0.144 χ^2/NDF:2144168.1/19

+ sign 890.982+/-0.139 χ^2/NDF: 5957416.4/36

All: 882.632+/-0.097 χ^2/NDF: 12045895.4/75

- sign 874.510+/-0.137 χ^2/NDF: 6081311.3/38

eigen_cor_asym_sam3_mean vs Slug



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 43.028+/-21.907 χ^2/NDF:48.2/20

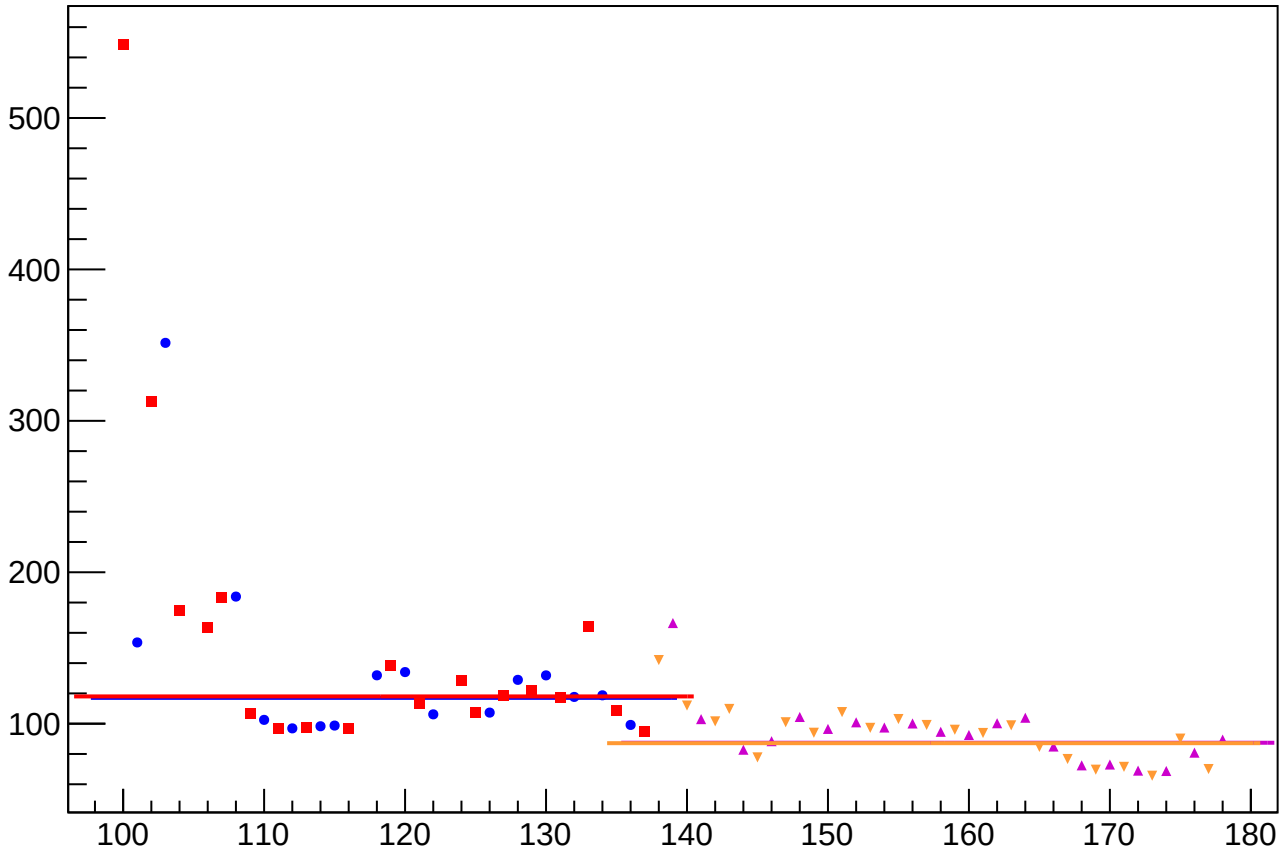
Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: -50.800+/-22.174 χ^2/NDF:22.8/19

+ sign 38.388+/-19.755 χ^2/NDF: 62.3/36

All: -11.222+/-14.041 χ^2/NDF: 124.5/75

- sign -61.869+/-19.960 χ^2/NDF: 49.5/38



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 87.124+/-0.015 χ^2/NDF:1103261.0/20

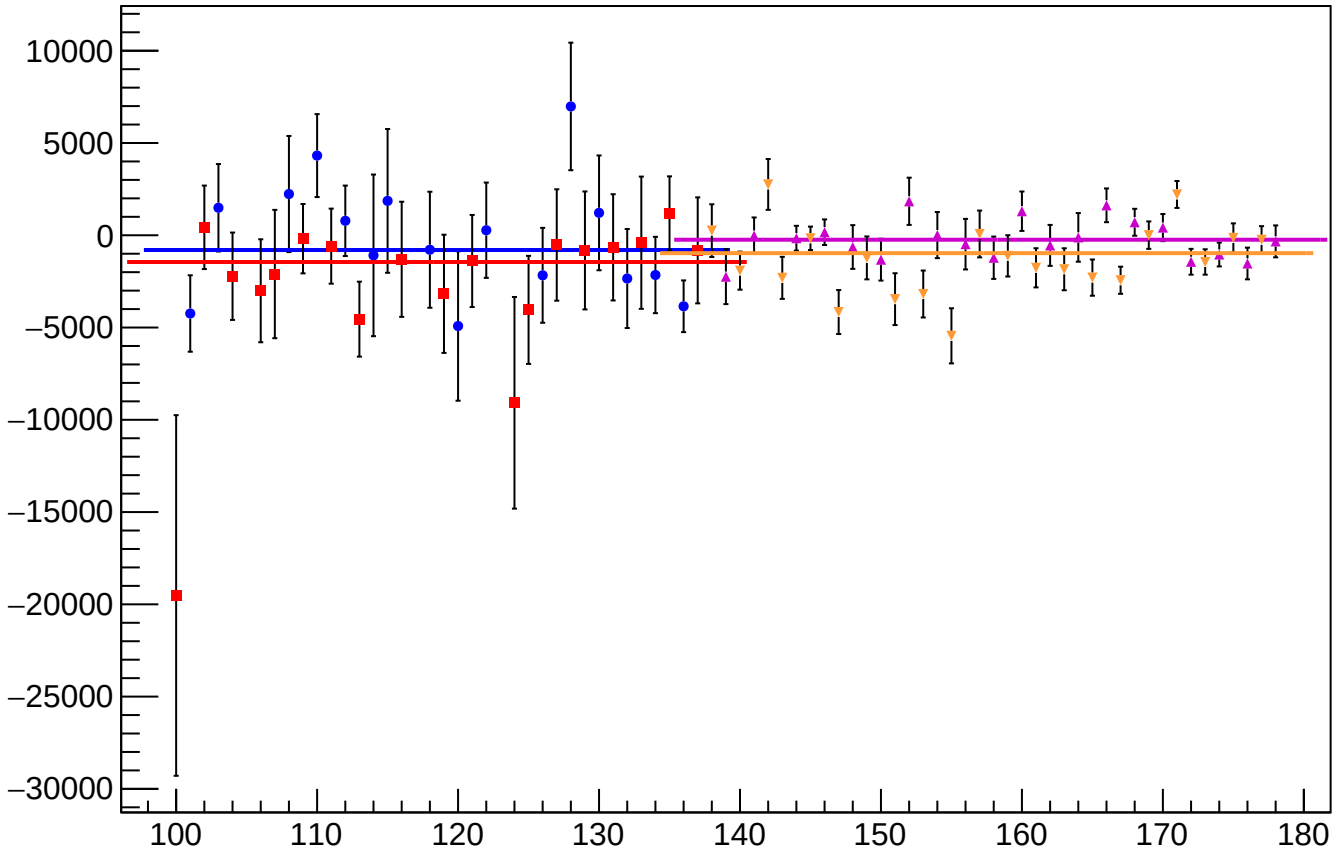
Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 87.409+/-0.016 χ^2/NDF:1011287.1/19

+ sign 92.718+/-0.014 χ^2/NDF: 2659505.6/36

All: 92.963+/-0.010 χ^2/NDF: 5380359.3/75

- sign 93.213+/-0.014 χ^2/NDF: 2720230.7/38



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -969.029+/-206.624 χ^2/NDF:65.2/20

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

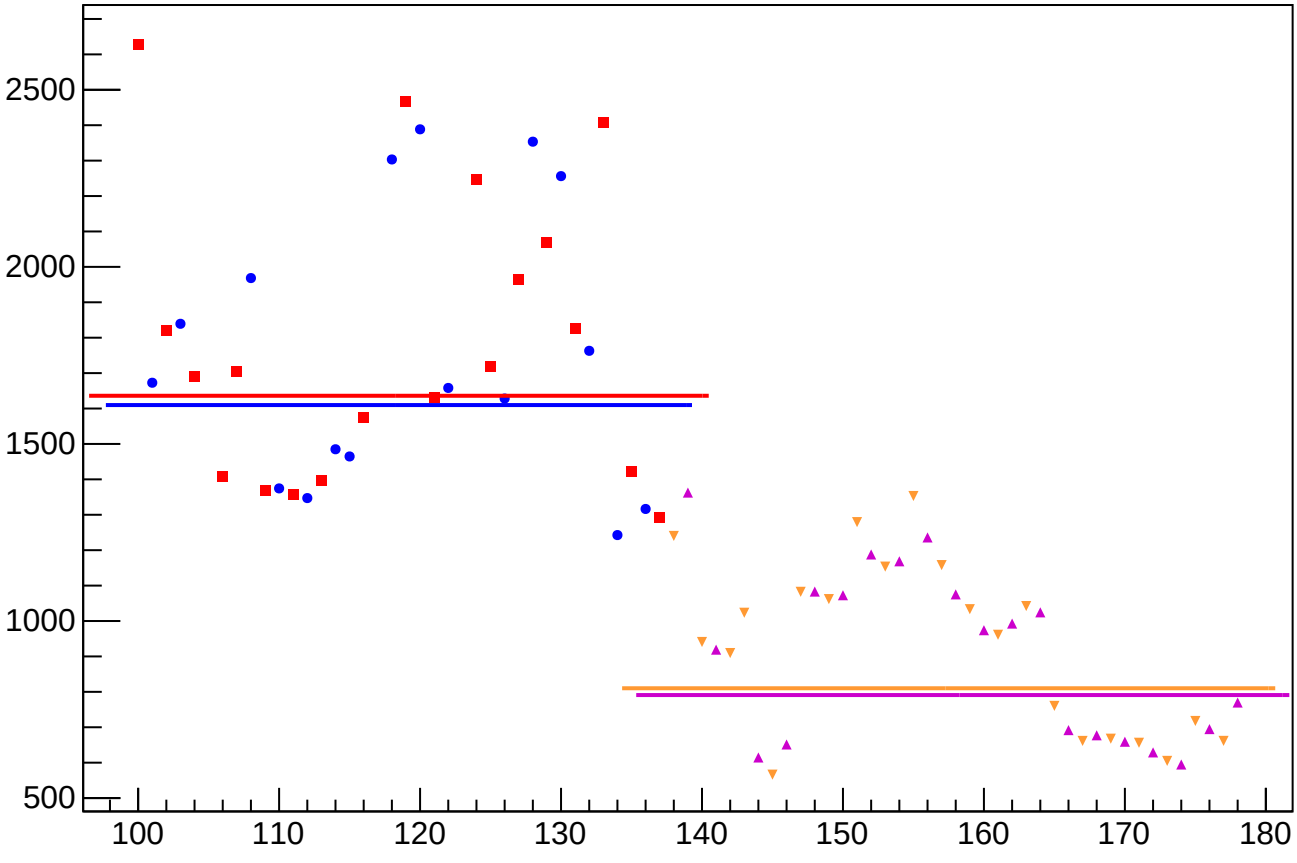
Left In: -241.779+/-203.547 χ^2/NDF:22.2/19

+ sign -951.846+/-195.897 χ^2/NDF: 88.7/36

All: -652.412+/-137.564 χ^2/NDF: 131.5/75

- sign -361.103+/-193.221 χ^2/NDF: 38.1/38

asym_sam3_eigen_cor_correction_rms vs Slug



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 810.111+/-0.146 χ^2/NDF:2308701.3/20

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

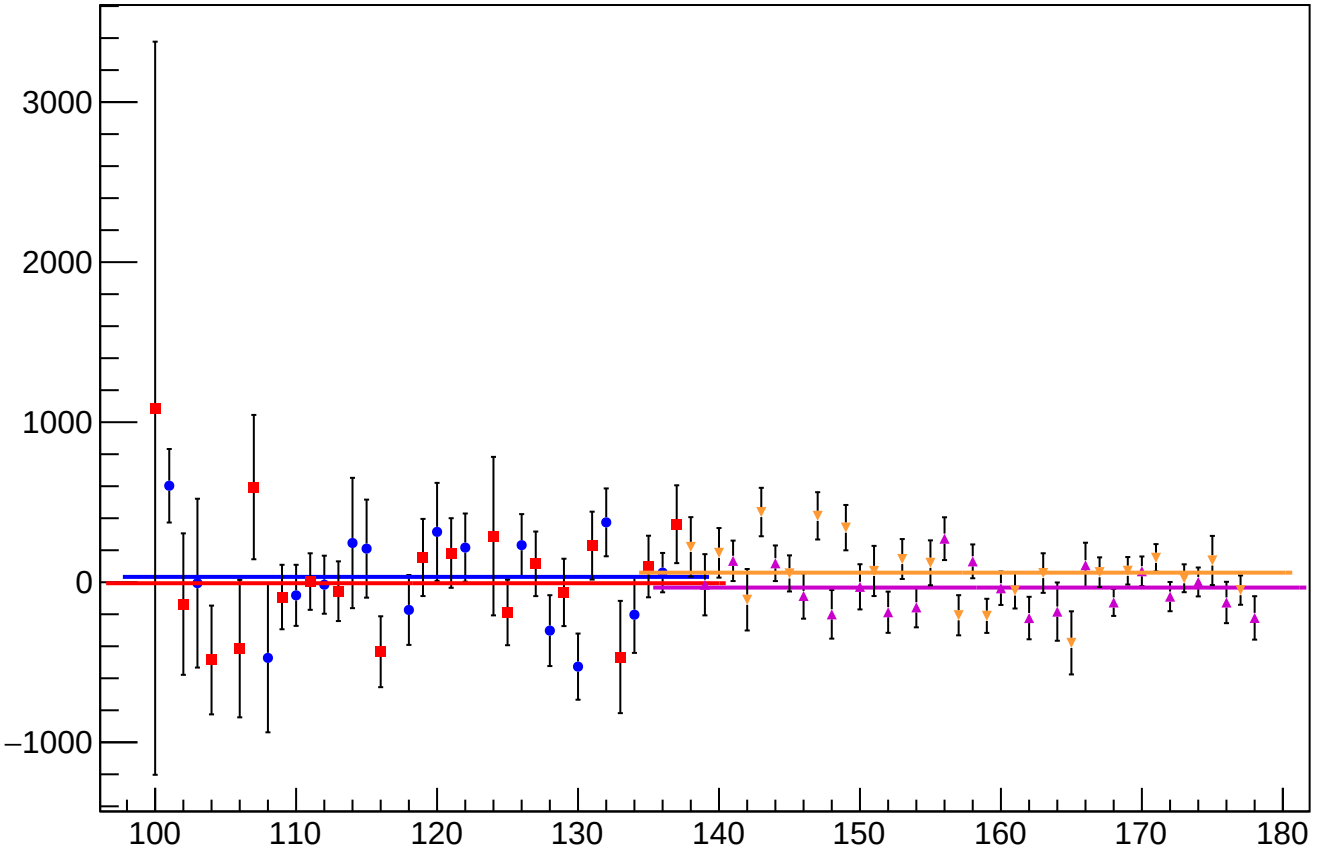
Left In: 790.938+/-0.144 χ^2/NDF:2144168.1/19

+ sign 890.982+/-0.139 χ^2/NDF: 5957416.4/36

All: 882.632+/-0.097 χ^2/NDF: 12045895.4/75

- sign 874.510+/-0.137 χ^2/NDF: 6081311.3/38

dit_asym_sam3_mean vs Slug



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 59.922+/-26.035 χ^2/NDF:38.7/20

Right Out: -6.107+/-56.090 χ^2/NDF: 17.3/18

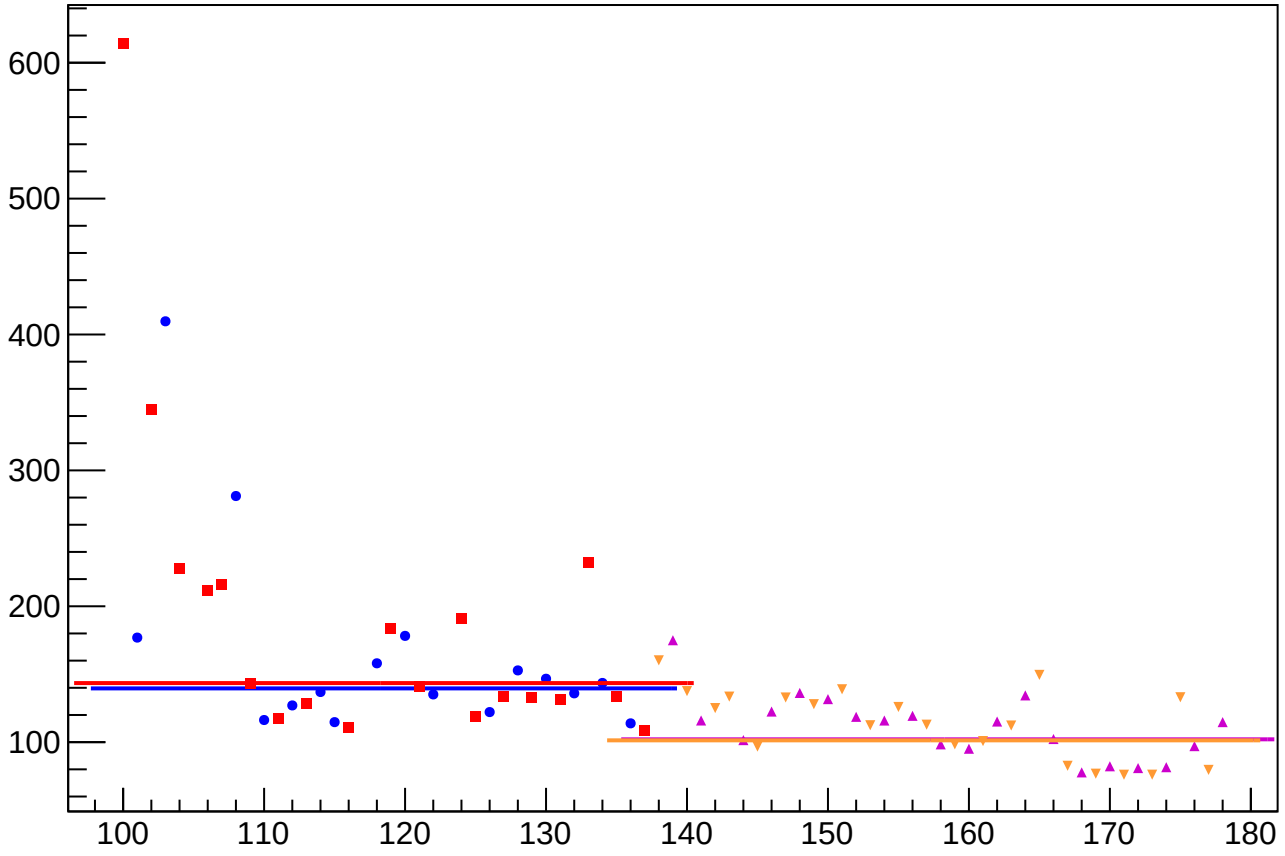
Left In: -33.261+/-26.462 χ^2/NDF:24.2/19

+ sign 55.067+/-23.524 χ^2/NDF: 64.0/36

All: 14.092+/-16.777 χ^2/NDF: 111.9/75

- sign -28.317+/-23.932 χ^2/NDF: 41.7/38

dit_asym_sam3_rms vs Slug



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 101.344+/-0.018 χ^2/NDF:1726983.6/20

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

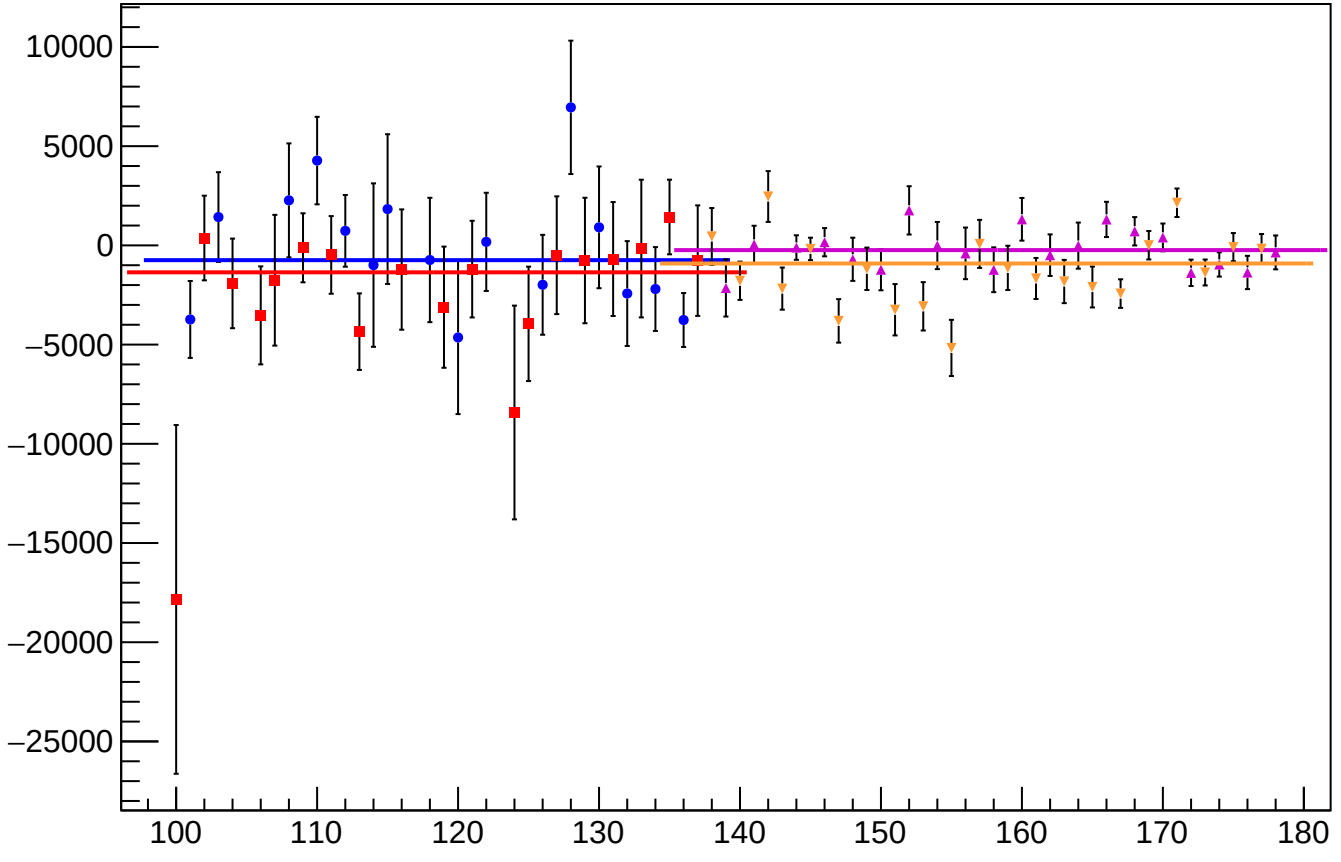
Left In: 102.093+/-0.019 χ^2/NDF:1220345.6/19

+ sign 108.360+/-0.017 χ^2/NDF: 3495003.8/36

All: 108.983+/-0.012 χ^2/NDF: 6725485.3/75

- sign 109.628+/-0.017 χ^2/NDF: 3227625.2/38

asym_sam3_dit_correction_mean vs Slug



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -913.355+/-196.809 χ^2/NDF:64.5/20

Right Out: -1357.874+/-585.808 χ^2/NDF: 13.5/18

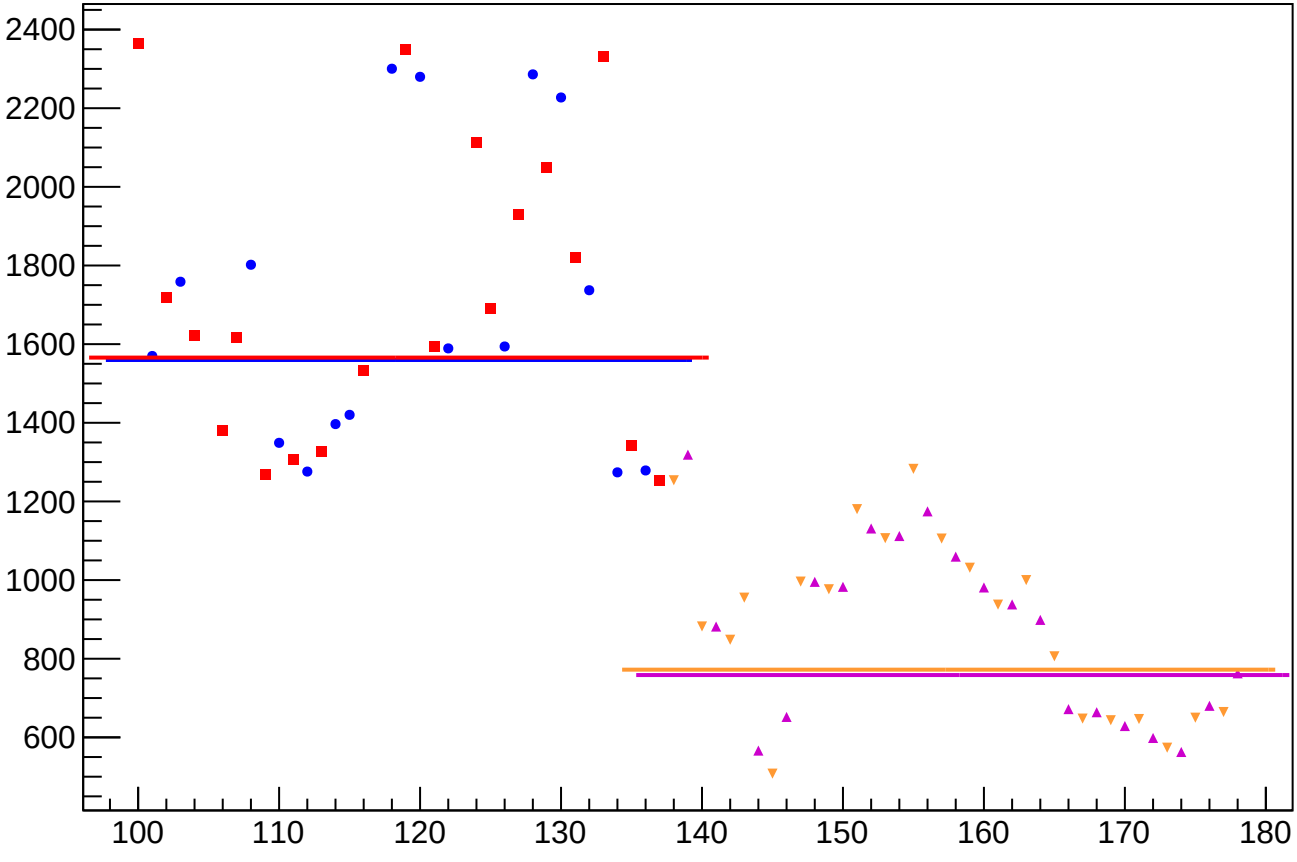
Left In: -238.368+/-195.224 χ^2/NDF:20.8/19

+ sign -896.761+/-186.877 χ^2/NDF: 88.1/36

All: -621.067+/-131.549 χ^2/NDF: 130.0/75

- sign -350.272+/-185.210 χ^2/NDF: 37.6/38

asym_sam3_dit_correction_rms vs Slug



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 772.194+/-0.139 χ^2/NDF:2391822.9/20

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

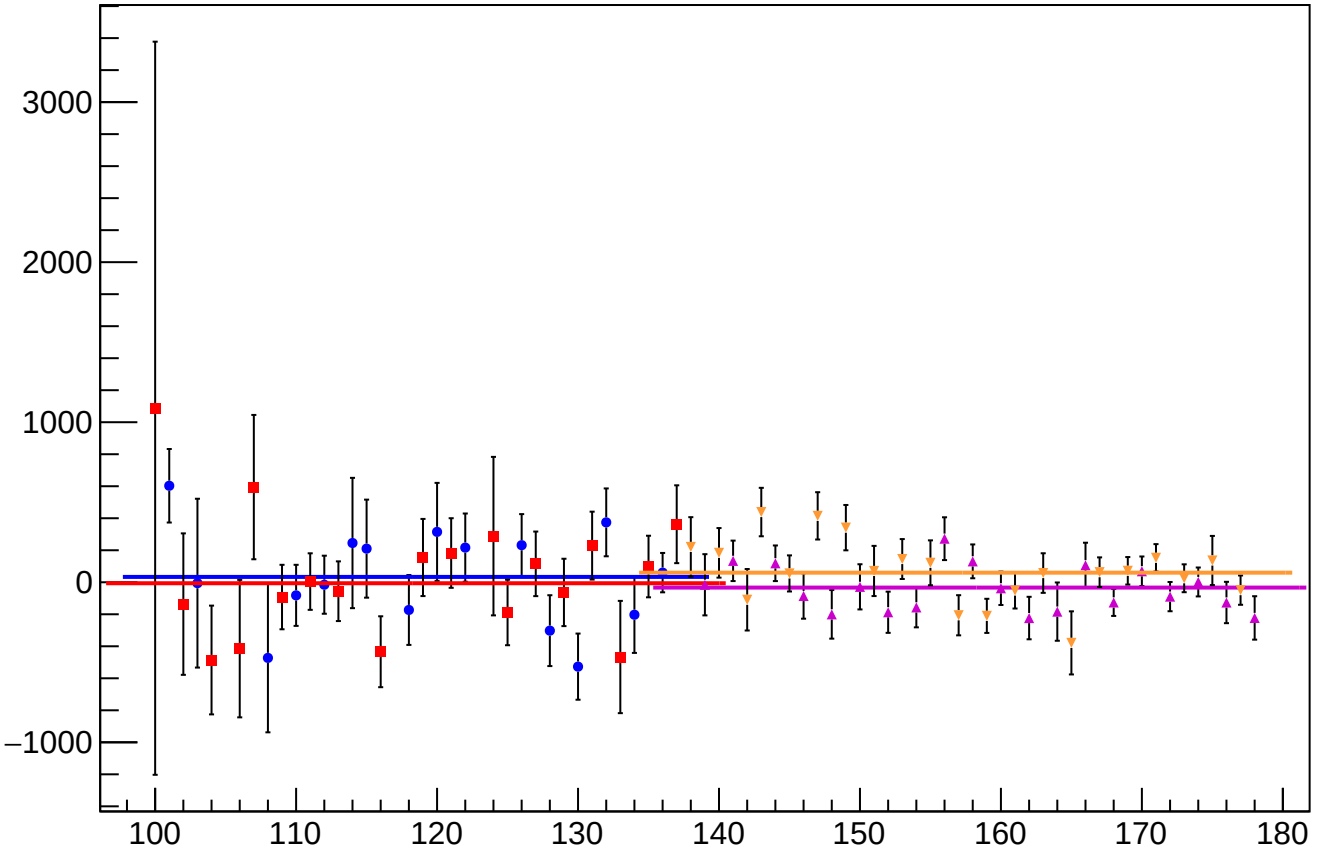
Left In: 758.504+/-0.138 χ^2/NDF:2108309.6/19

+ sign 849.670+/-0.132 χ^2/NDF: 6146582.6/36

All: 844.389+/-0.093 χ^2/NDF: 12240566.3/75

- sign 839.201+/-0.131 χ^2/NDF: 6090817.0/38

eigen_dit_asym_sam3_mean vs Slug



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 59.923+/-26.035 χ^2/NDF:38.7/20

Right Out: -6.103+/-56.090 χ^2/NDF: 17.3/18

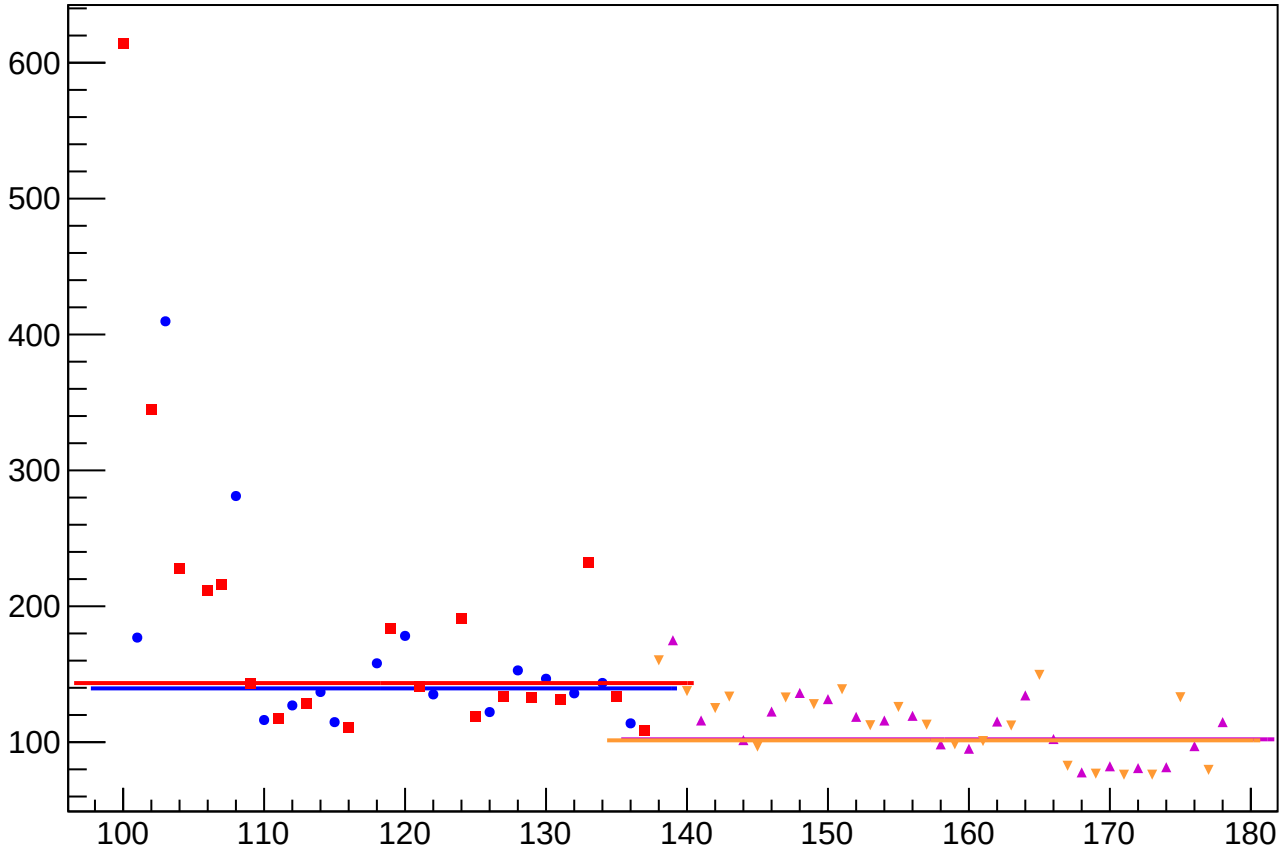
Left In: -33.260+/-26.462 χ^2/NDF:24.2/19

+ sign 55.067+/-23.524 χ^2/NDF: 64.0/36

All: 14.093+/-16.777 χ^2/NDF: 111.9/75

- sign -28.316+/-23.933 χ^2/NDF: 41.7/38

eigen_dit_asym_sam3_rms vs Slug



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 101.344+/-0.018 χ^2/NDF:1727007.7/20

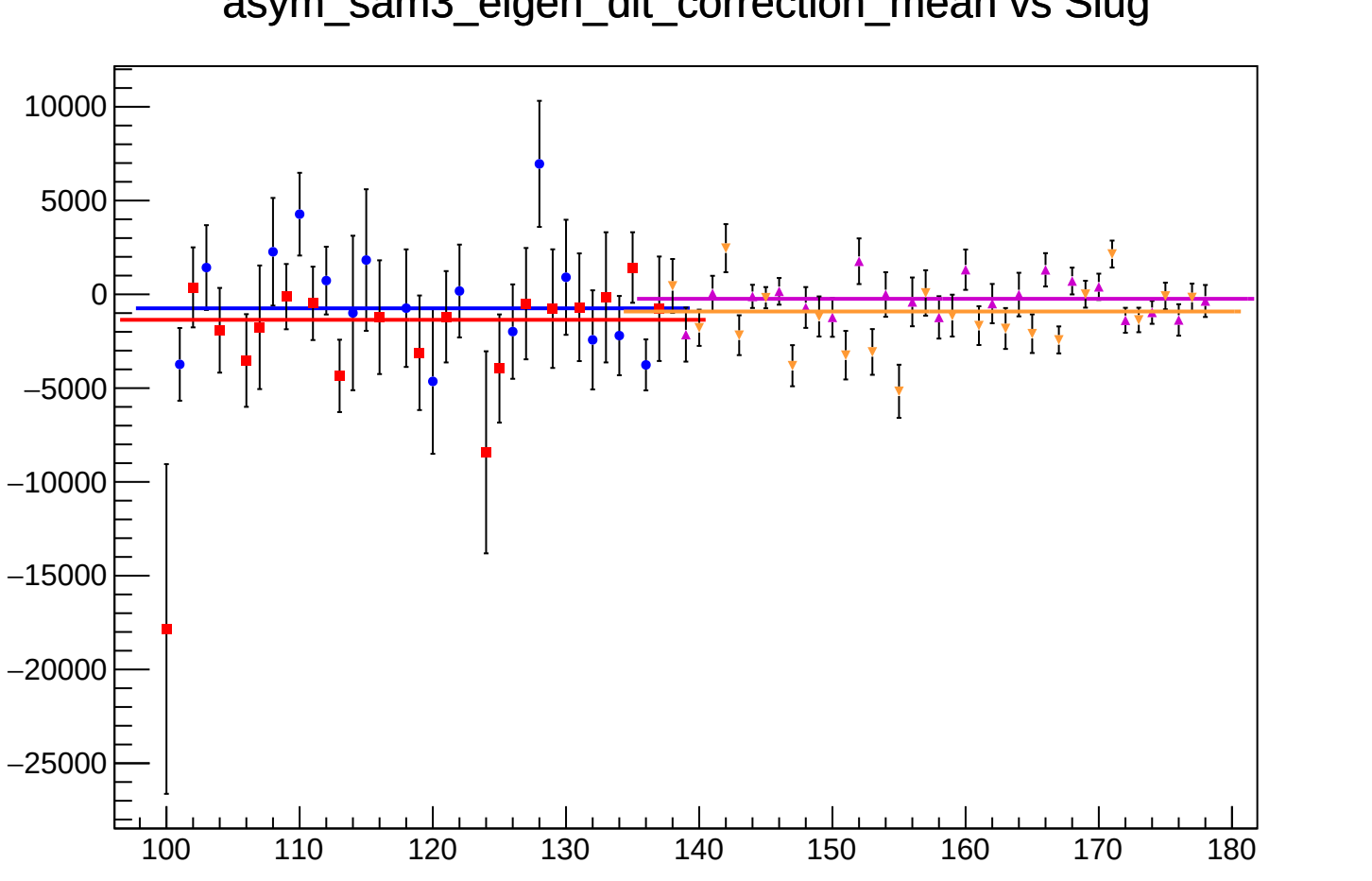
Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 102.094+/-0.019 χ^2/NDF:1220359.7/19

+ sign 108.360+/-0.017 χ^2/NDF: 3495024.8/36

All: 108.983+/-0.012 χ^2/NDF: 6725528.4/75

- sign 109.628+/-0.017 χ^2/NDF: 3227647.3/38



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -913.355+/-196.808 χ^2/NDF:64.5/20

Right Out: -1357.874+/-585.807 χ^2/NDF: 13.5/18

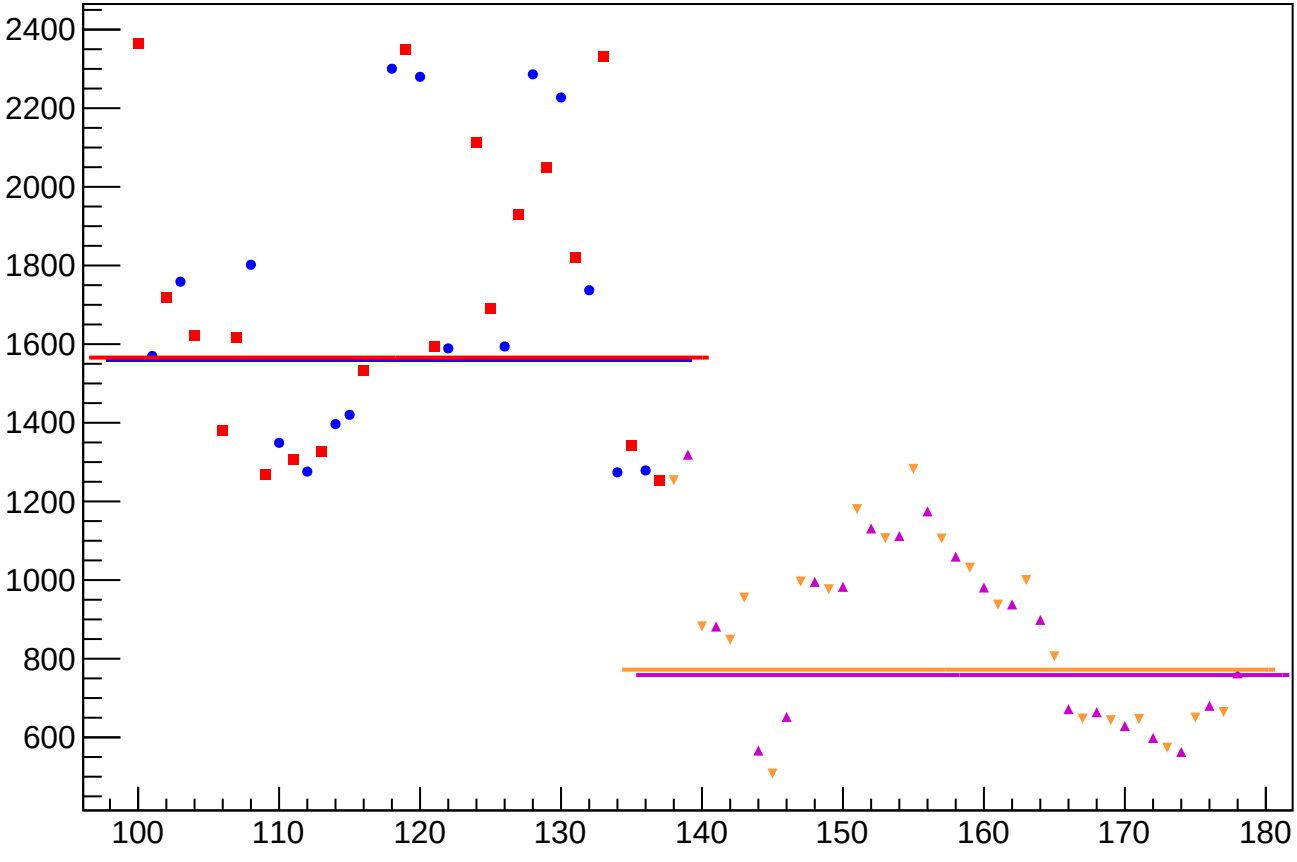
Left In: -238.367+/-195.223 χ^2/NDF:20.8/19

\+ sign -896.761+/-186.877 χ^2/NDF: 88.1/36

All: -621.067+/-131.549 χ^2/NDF: 130.0/75

\- sign -350.271+/-185.210 χ^2/NDF: 37.6/38

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 772.193+/-0.139 χ^2/NDF:2391817.2/20

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

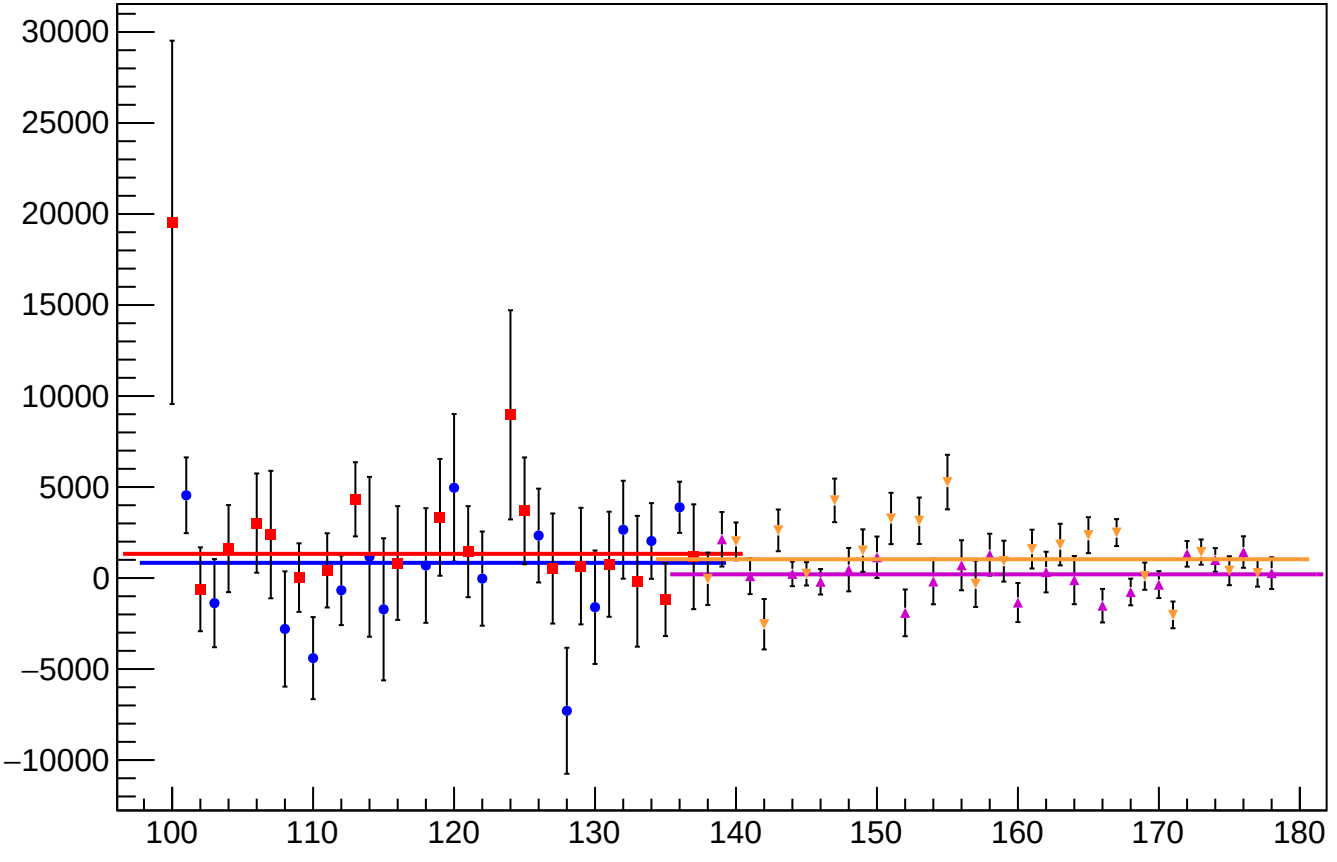
Left In: 758.504+/-0.138 χ^2/NDF:2108304.7/19

\+ sign 849.670+/-0.132 χ^2/NDF: 6146576.4/36

All: 844.388+/-0.093 χ^2/NDF: 12240550.3/75

\- sign 839.200+/-0.131 χ^2/NDF: 6090807.1/38

asym_sam3_mean vs Slug



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 1034.180+/-207.918 χ^2/NDF:60.8/20

Right Out: 1329.538+/-616.428 χ^2/NDF: 12.1/18

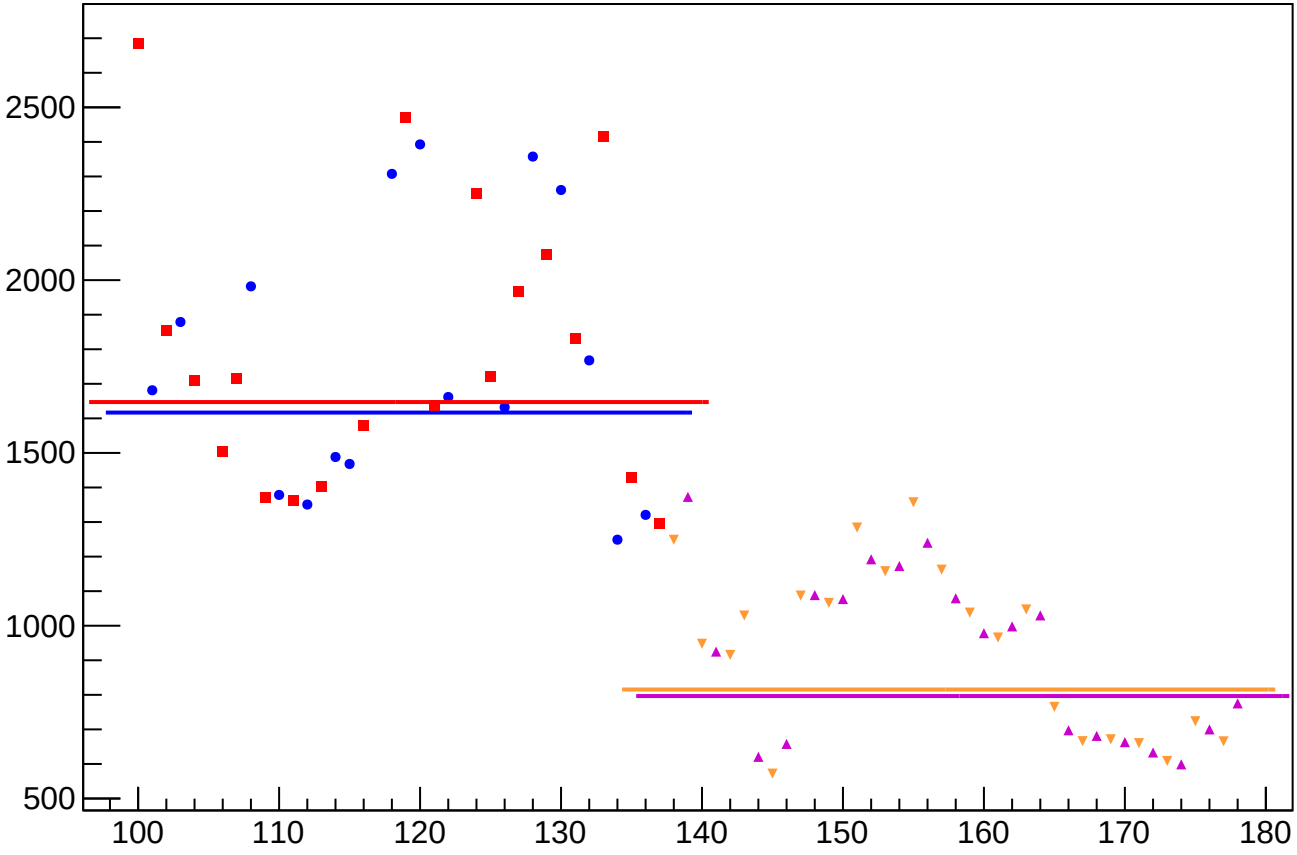
Left In: 203.635+/-204.911 χ^2/NDF:20.6/19

\+ sign 1014.023+/-197.089 χ^2/NDF: 85.8/36

All: 660.138+/-138.420 χ^2/NDF: 127.8/75

\- sign 315.669+/-194.449 χ^2/NDF: 35.7/38

asym_sam3_rms vs Slug



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 815.418+/-0.147 χ^2/NDF:2288635.9/20

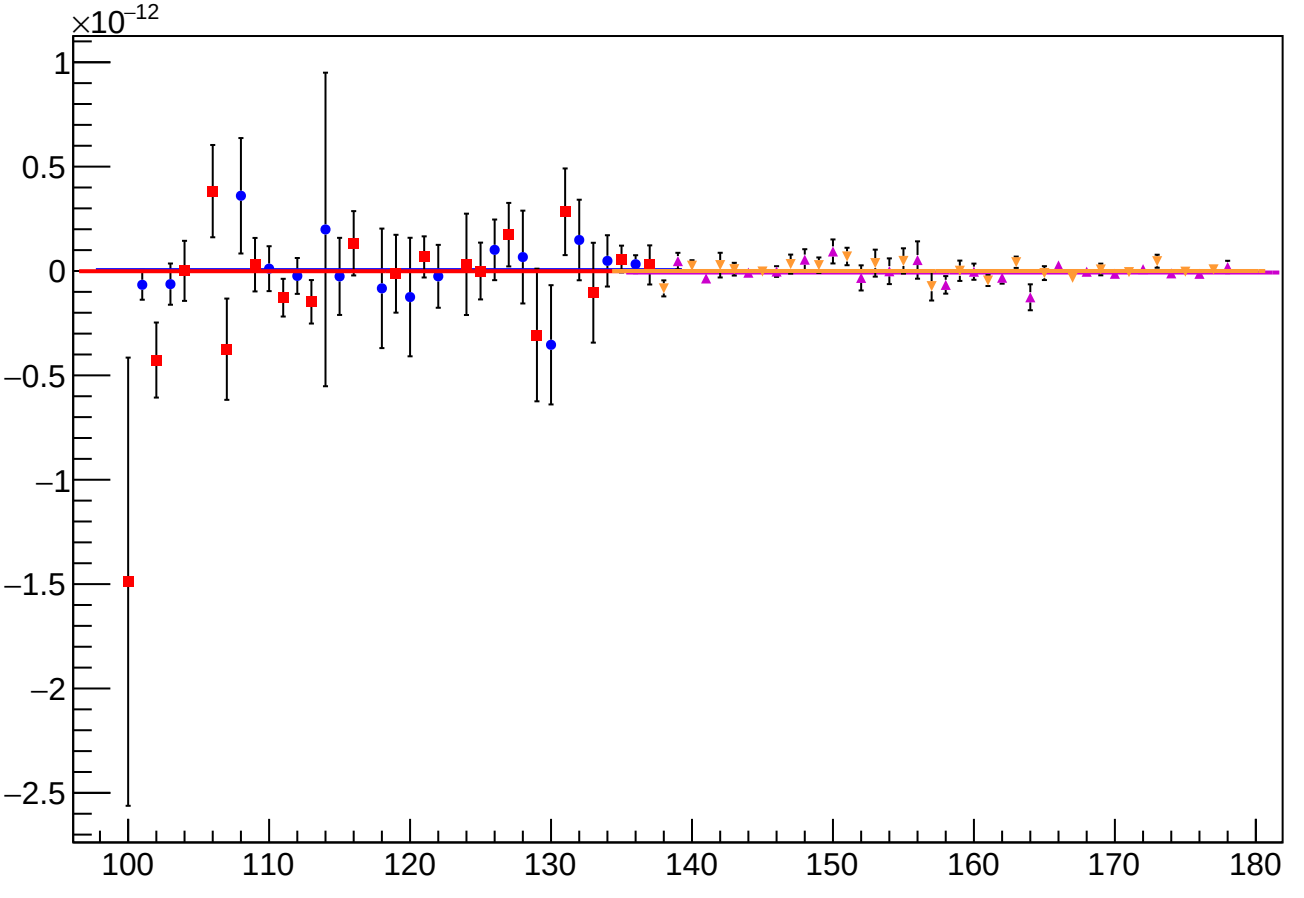
Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 796.502+/-0.145 χ^2/NDF:2123720.9/19

+ sign 896.719+/-0.139 χ^2/NDF: 5925177.3/36

All: 888.832+/-0.098 χ^2/NDF: 12009321.2/75

- sign 881.154+/-0.137 χ^2/NDF: 6077823.0/38



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.8/20

Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/18

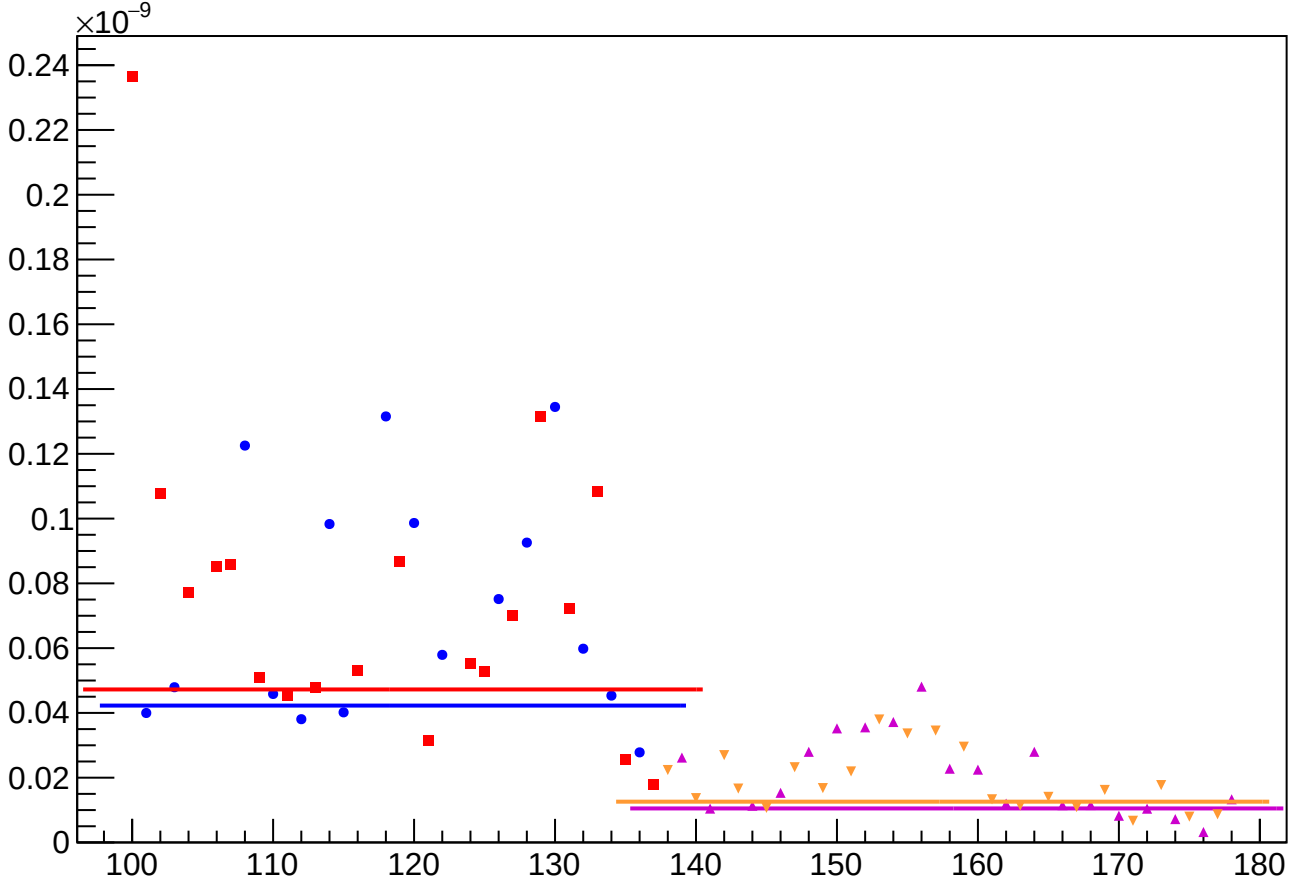
Left In: -0.000+/-0.000 χ^2/NDF:18.9/19

+ sign 0.000+/-0.000 χ^2/NDF: 29.7/36

All: -0.000+/-0.000 χ^2/NDF: 72.9/75

- sign -0.000+/-0.000 χ^2/NDF: 42.4/38

asym_sam3_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2193426.5/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

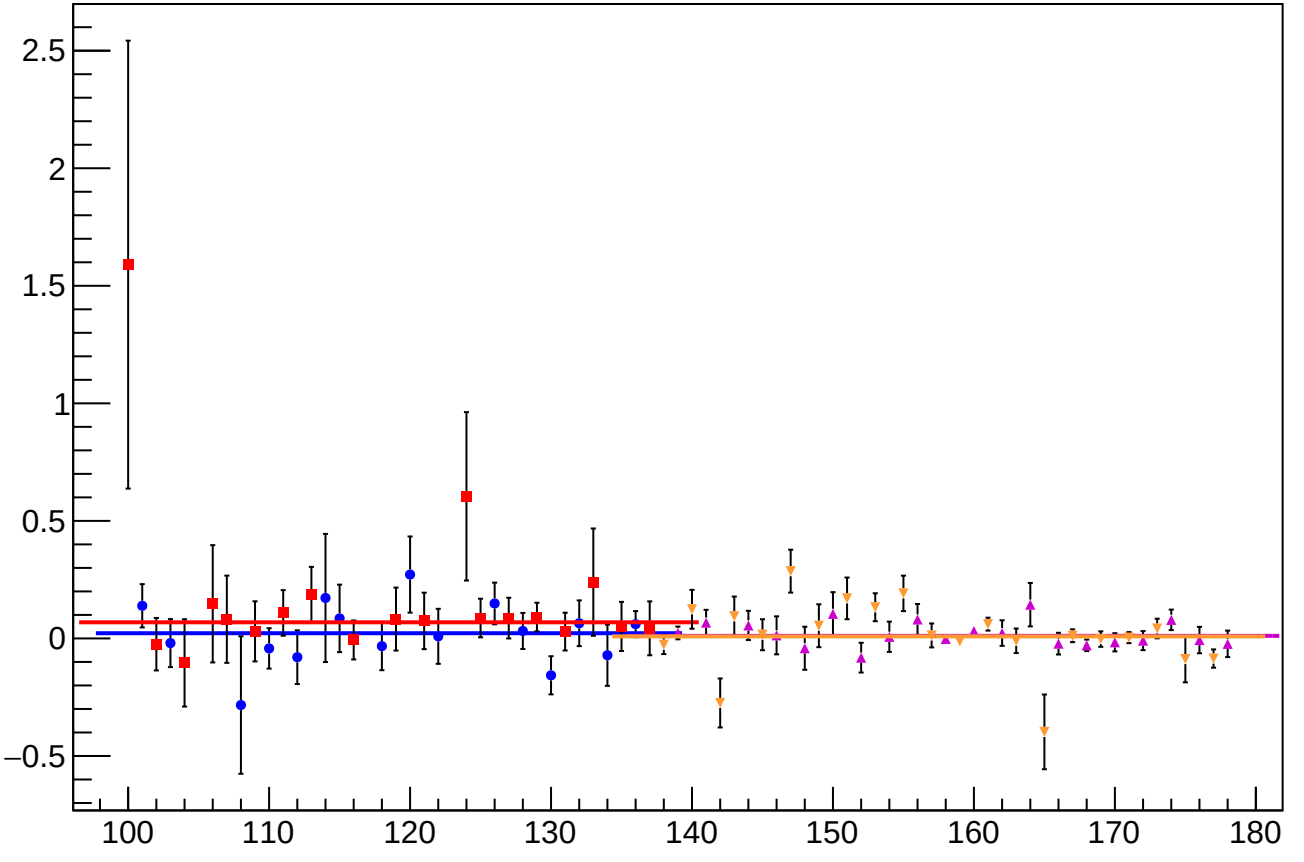
Left In: 0.000+/-0.000 χ^2/NDF:3607843.8/19

+ sign 0.000+/-0.000 χ^2/NDF: 5609078.8/36

All: 0.000+/-0.000 χ^2/NDF: 13647367.0/75

- sign 0.000+/-0.000 χ^2/NDF: 7869487.0/38

asym_sam3_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.009+/-0.009 χ^2/NDF:53.9/20

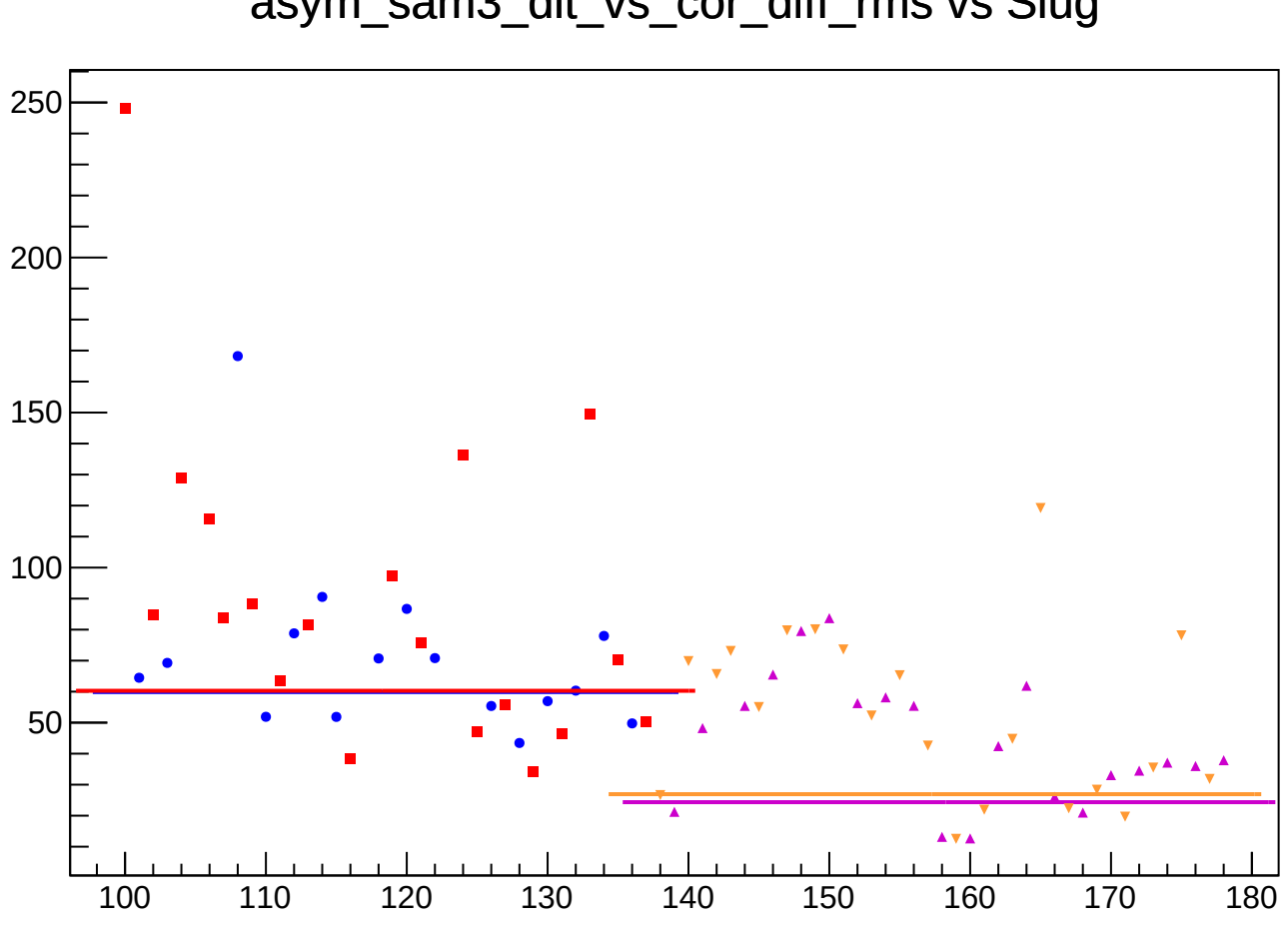
Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: 0.011+/-0.008 χ^2/NDF:17.7/19

+ sign 0.010+/-0.008 χ^2/NDF: 69.6/36

All: 0.013+/-0.006 χ^2/NDF: 102.0/75

- sign 0.016+/-0.008 χ^2/NDF: 32.0/38



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 26.932+/-0.006 χ^2/NDF:8366037.6/20

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

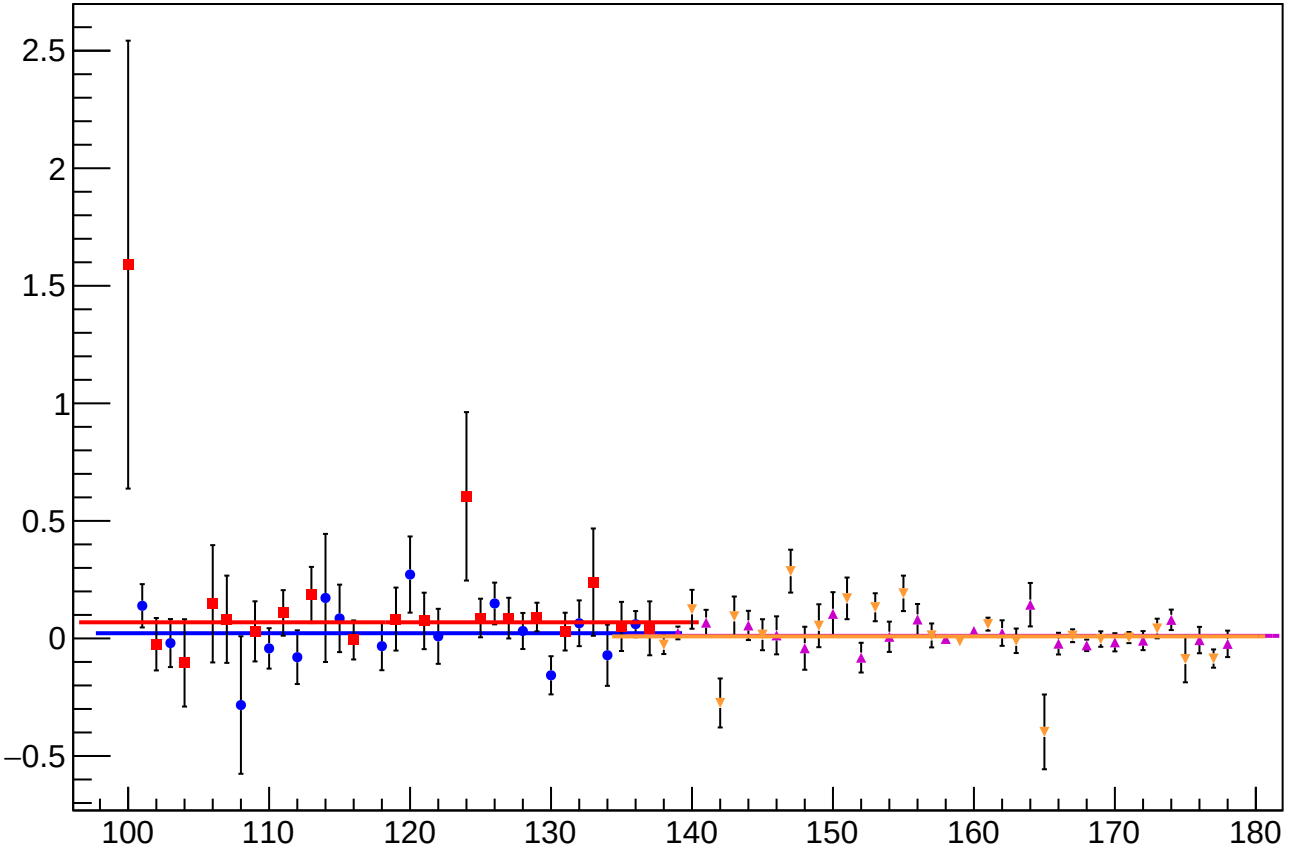
Left In: 24.352+/-0.006 χ^2/NDF:7693560.5/19

+ sign 30.444+/-0.006 χ^2/NDF: 12248418.5/36

All: 28.937+/-0.004 χ^2/NDF: 25726496.0/75

- sign 27.597+/-0.005 χ^2/NDF: 13345857.5/38

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.009+/-0.009 χ^2/NDF:53.9/20

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

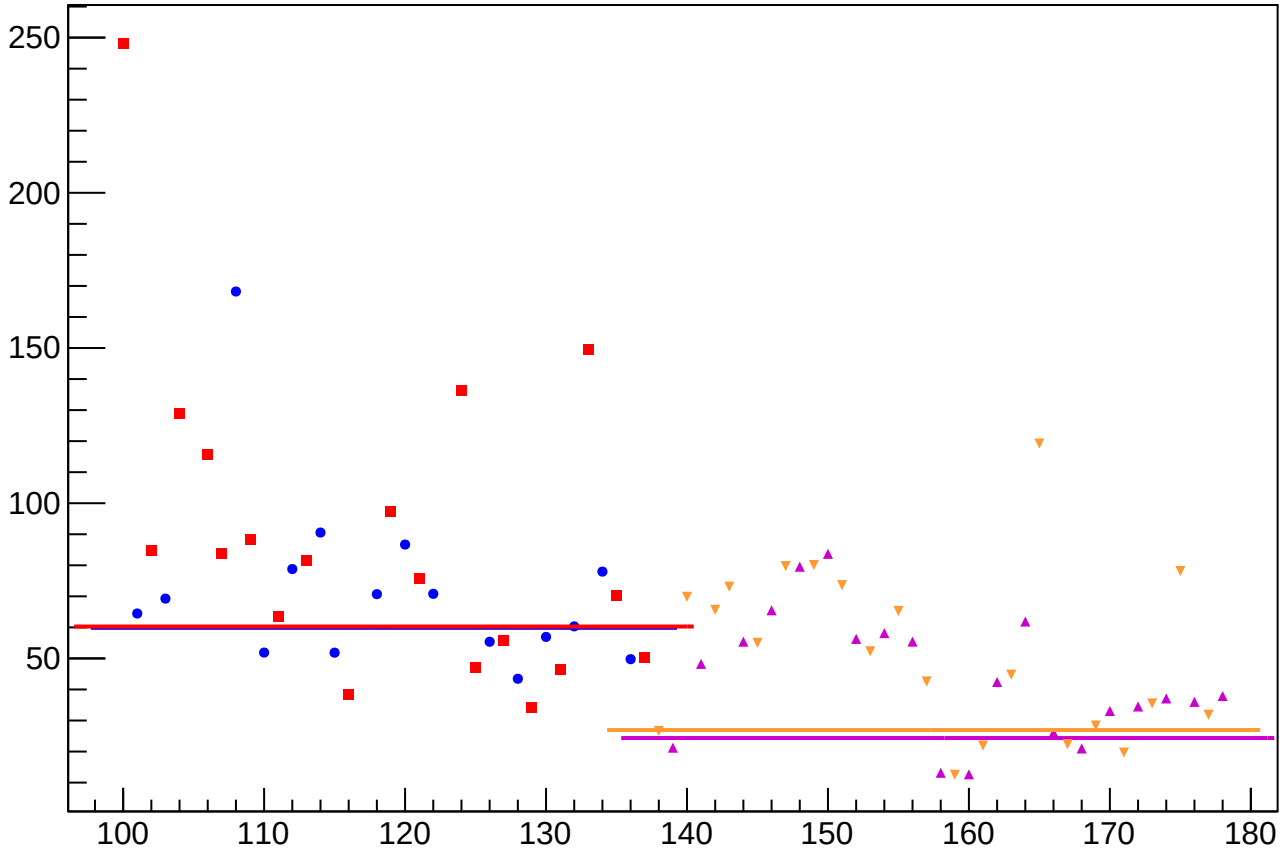
Left In: 0.011+/-0.008 χ^2/NDF:17.7/19

+ sign 0.010+/-0.008 χ^2/NDF: 69.6/36

All: 0.013+/-0.006 χ^2/NDF: 102.0/75

- sign 0.016+/-0.008 χ^2/NDF: 32.0/38

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 26.932+/-0.006 χ^2/NDF:8366037.6/20

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

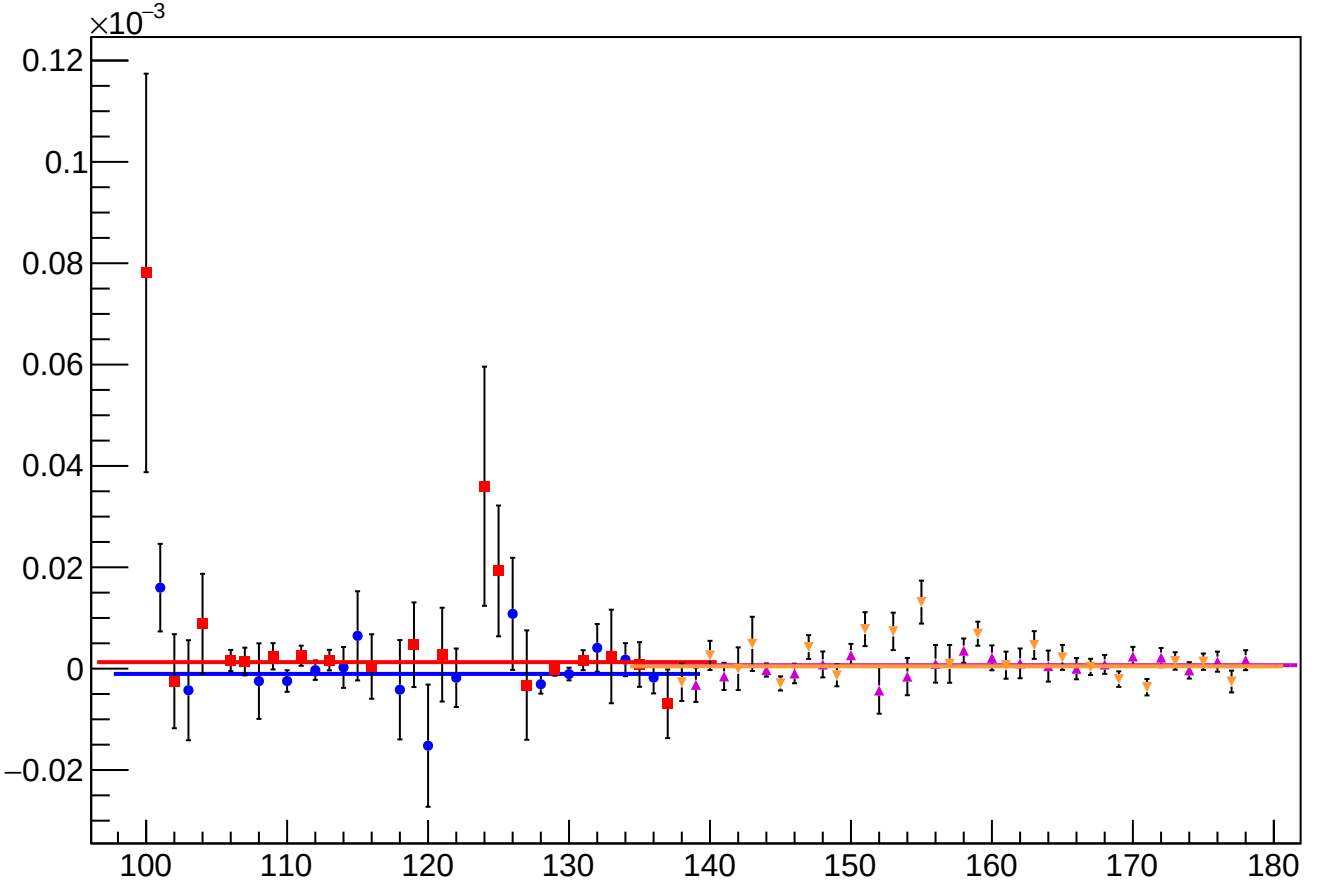
Left In: 24.352+/-0.006 χ^2/NDF:7693560.5/19

+ sign 30.444+/-0.006 χ^2/NDF: 12248418.5/36

All: 28.937+/-0.004 χ^2/NDF: 25726496.0/75

- sign 27.597+/-0.005 χ^2/NDF: 13345857.5/38

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:50.5/20

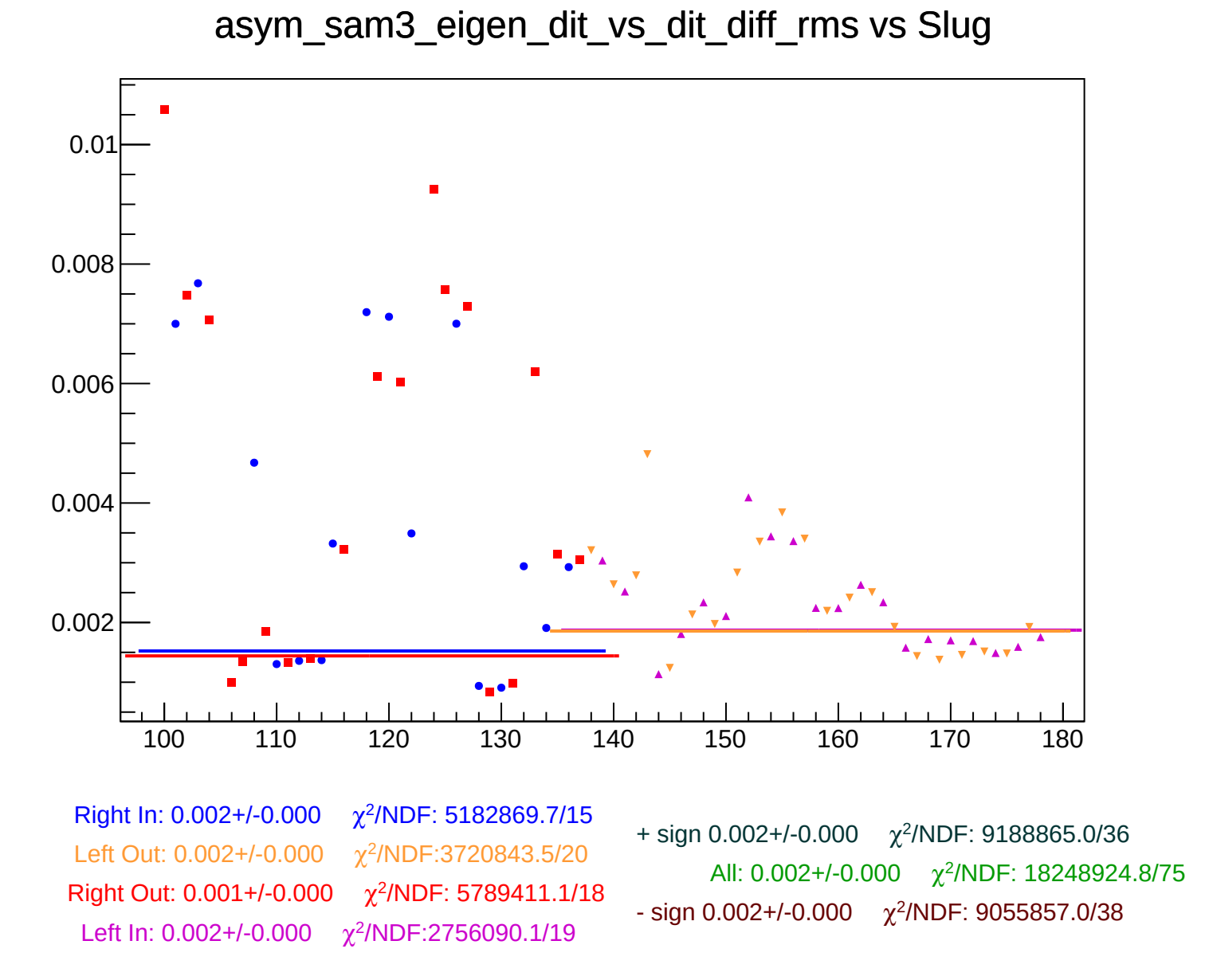
Right Out: 0.000+/-0.000 χ^2/NDF: 12.5/18

Left In: 0.000+/-0.000 χ^2/NDF:9.7/19

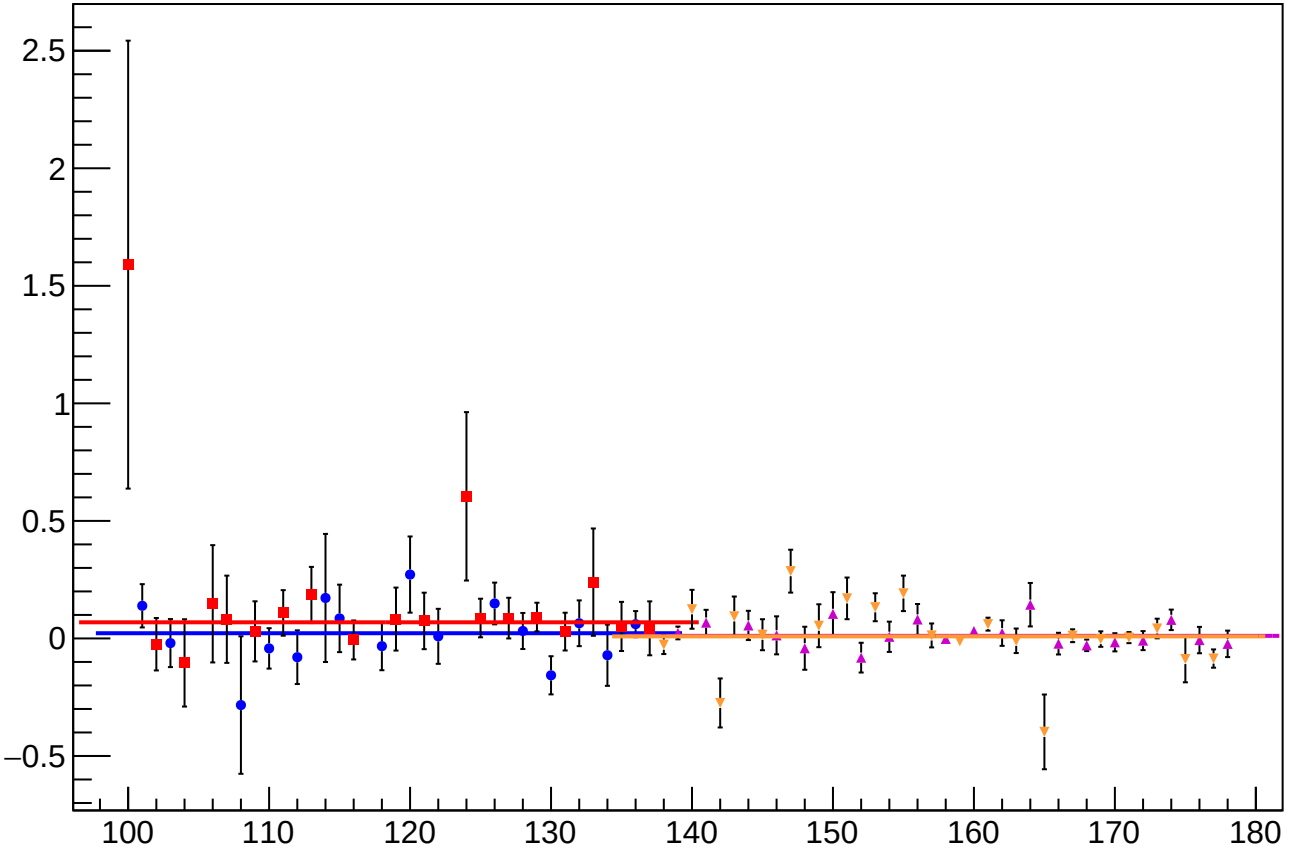
+ sign 0.000+/-0.000 χ^2/NDF: 64.6/36

All: 0.000+/-0.000 χ^2/NDF: 89.6/75

- sign 0.000+/-0.000 χ^2/NDF: 22.7/38


asym_sam3_eigen_dit_vs_dit_diff_rms vs Slug
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
Right In: 0.002+/-0.000 χ²/NDF: 5182869.7/15
Left Out: 0.002+/-0.000 χ²/NDF:3720843.5/20
Right Out: 0.001+/-0.000 χ²/NDF: 5789411.1/18
Left In: 0.002+/-0.000 χ²/NDF:2756090.1/19
+ sign 0.002+/-0.000 χ²/NDF: 9188865.0/36
All: 0.002+/-0.000 χ²/NDF: 18248924.8/75
- sign 0.002+/-0.000 χ²/NDF: 9055857.0/38

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.009+/-0.009 χ^2/NDF:53.9/20

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

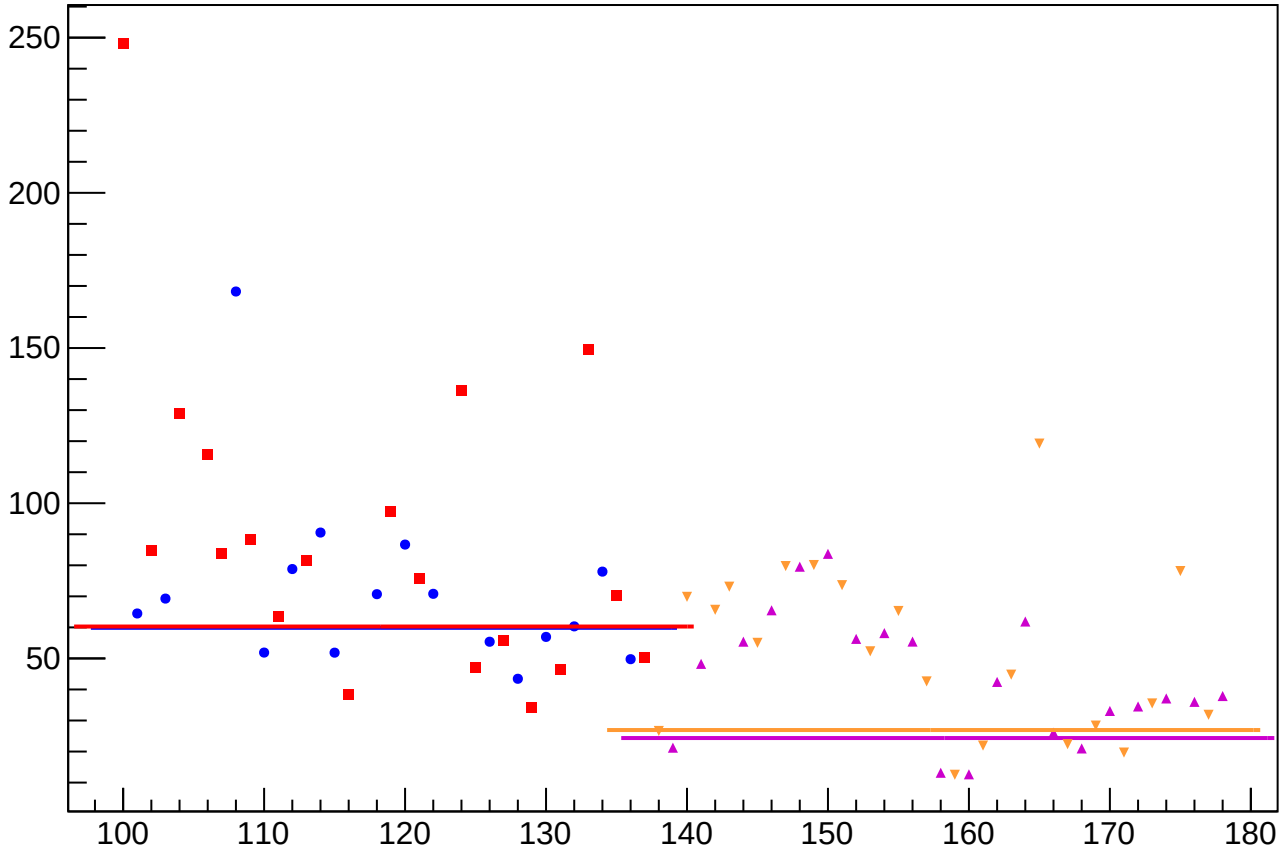
Left In: 0.011+/-0.008 χ^2/NDF:17.7/19

+ sign 0.010+/-0.008 χ^2/NDF: 69.6/36

All: 0.013+/-0.006 χ^2/NDF: 102.0/75

- sign 0.016+/-0.008 χ^2/NDF: 32.0/38

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 26.931+/-0.006 χ^2/NDF:8367010.8/20

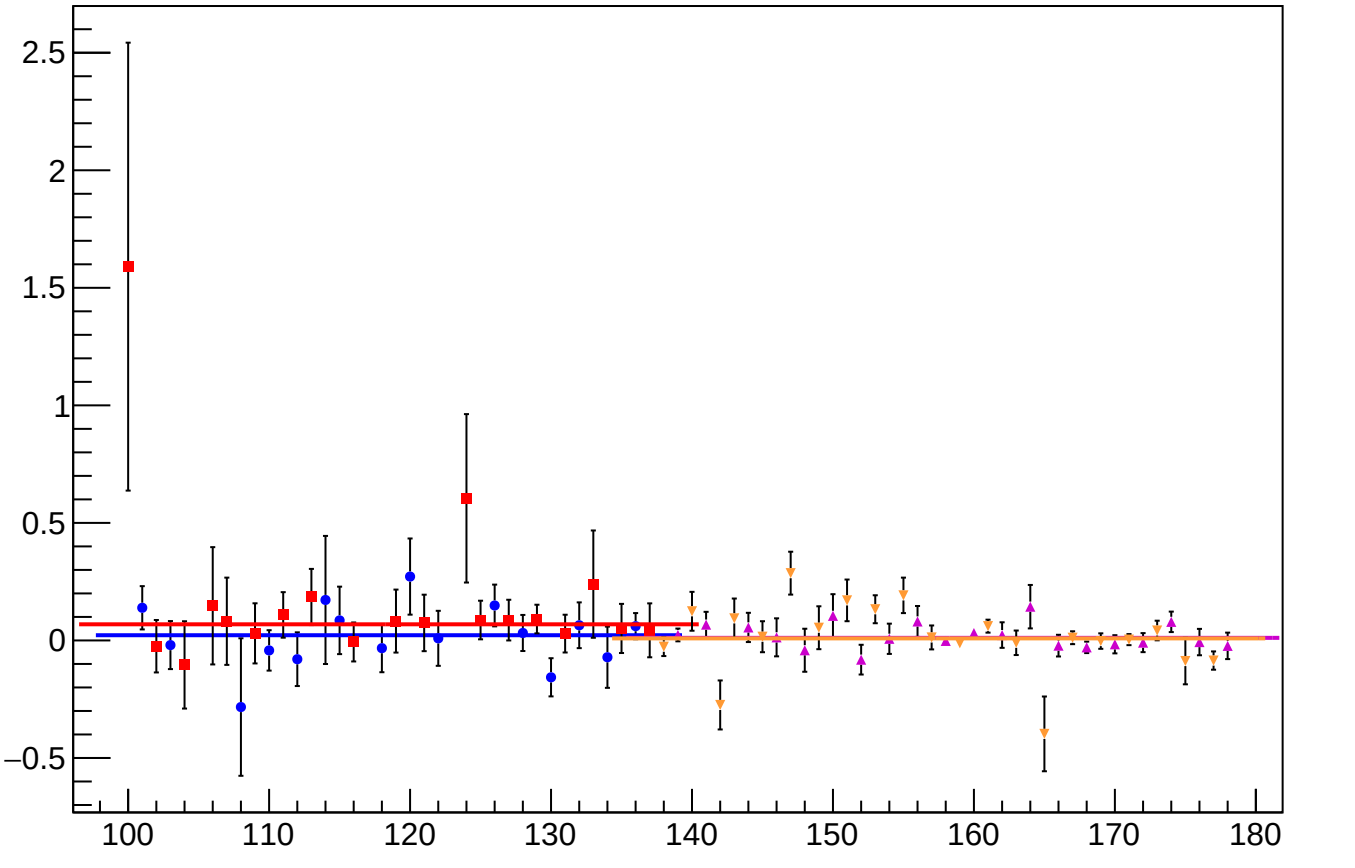
Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 24.351+/-0.006 χ^2/NDF:7694040.5/19

+ sign 30.443+/-0.006 χ^2/NDF: 12249753.7/36

All: 28.936+/-0.004 χ^2/NDF: 25728410.7/75

- sign 27.596+/-0.005 χ^2/NDF: 13346508.6/38



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.009+/-0.009 χ^2/NDF:53.9/20

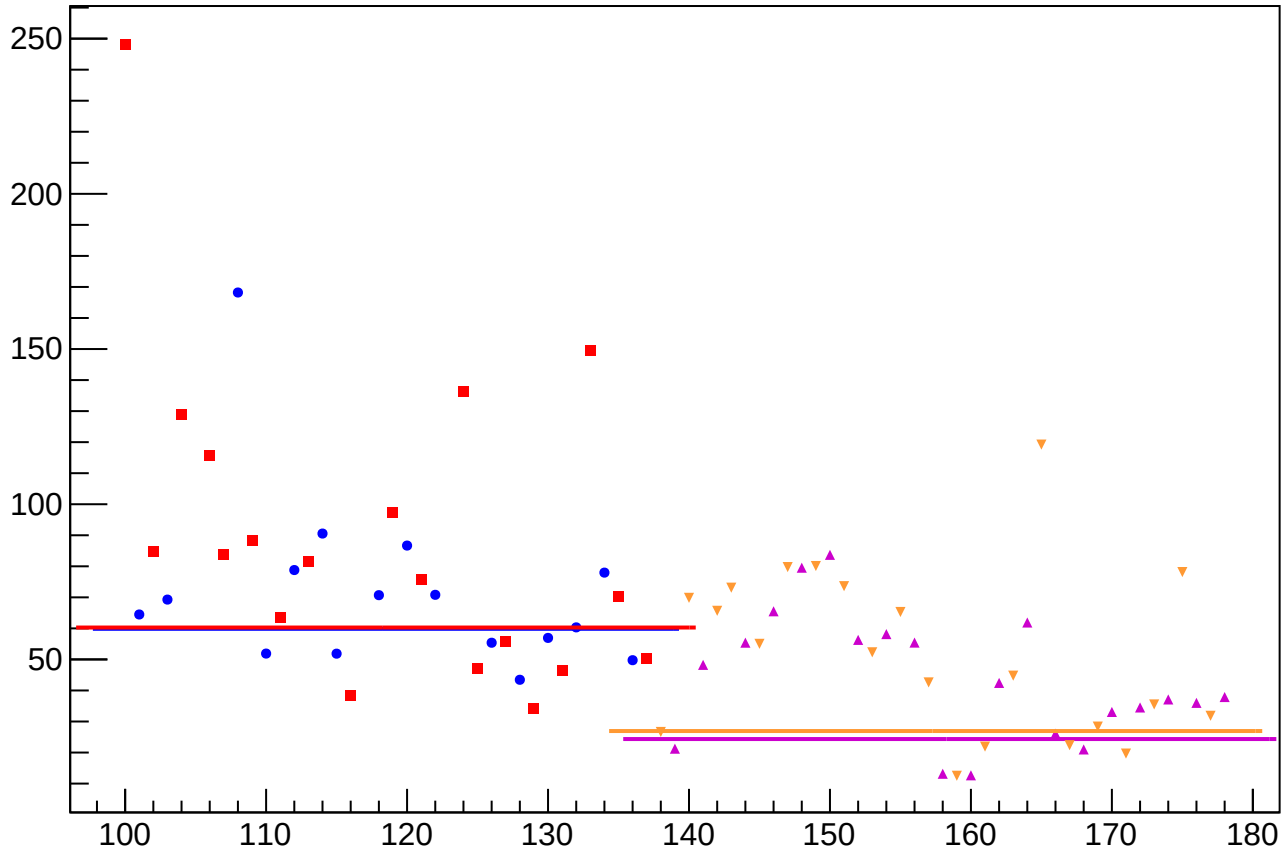
Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: 0.011+/-0.008 χ^2/NDF:17.7/19

+ sign 0.010+/-0.008 χ^2/NDF: 69.6/36

All: 0.013+/-0.006 χ^2/NDF: 102.0/75

- sign 0.016+/-0.008 χ^2/NDF: 32.0/38



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 26.931+/-0.006 χ^2/NDF:8367010.8/20

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

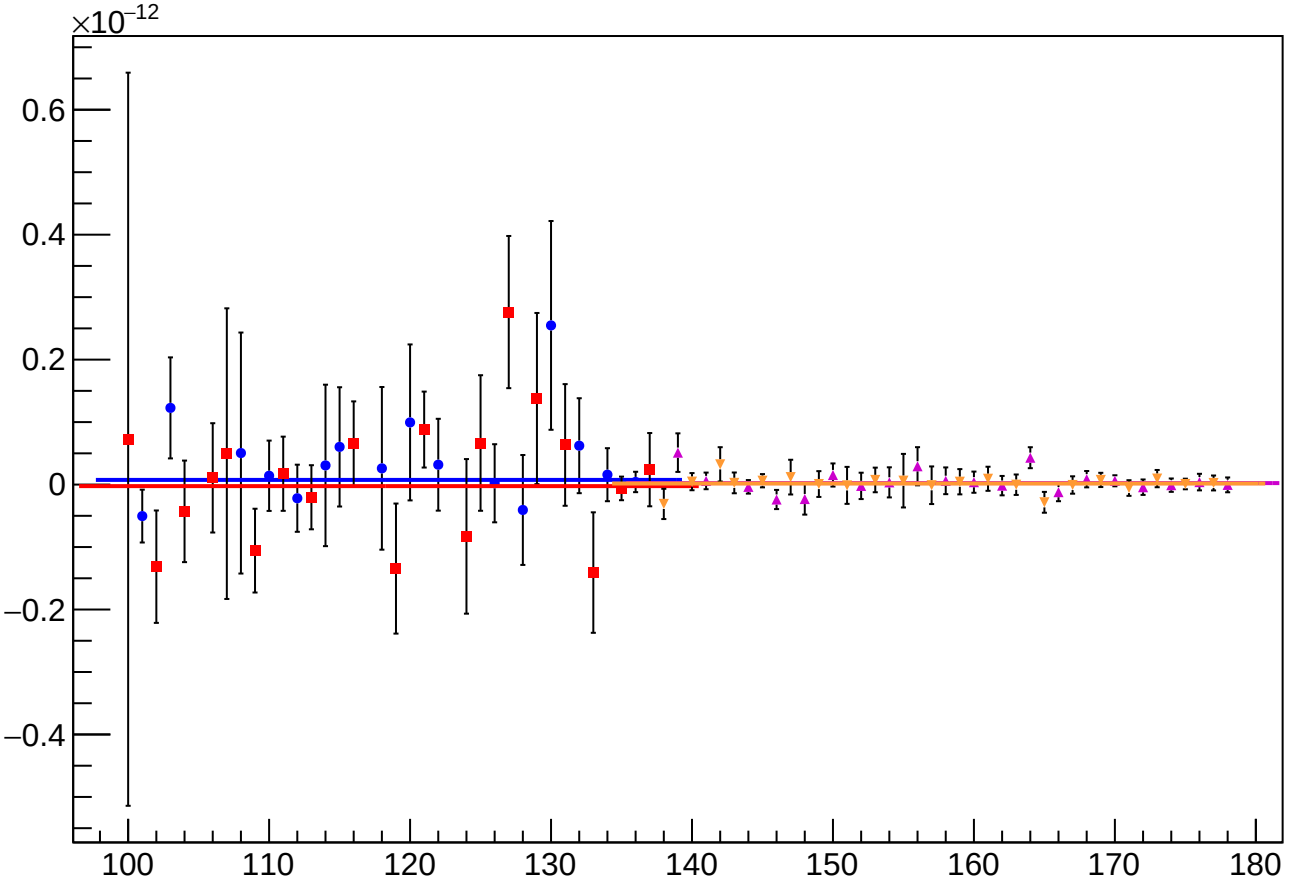
Left In: 24.351+/-0.006 χ^2/NDF:7694040.5/19

+ sign 30.443+/-0.006 χ^2/NDF: 12249753.7/36

All: 28.936+/-0.004 χ^2/NDF: 25728410.7/75

- sign 27.596+/-0.005 χ^2/NDF: 13346508.6/38

asym_sam3_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.9/20

Right Out: -0.000+/-0.000 χ^2/NDF: 19.7/18

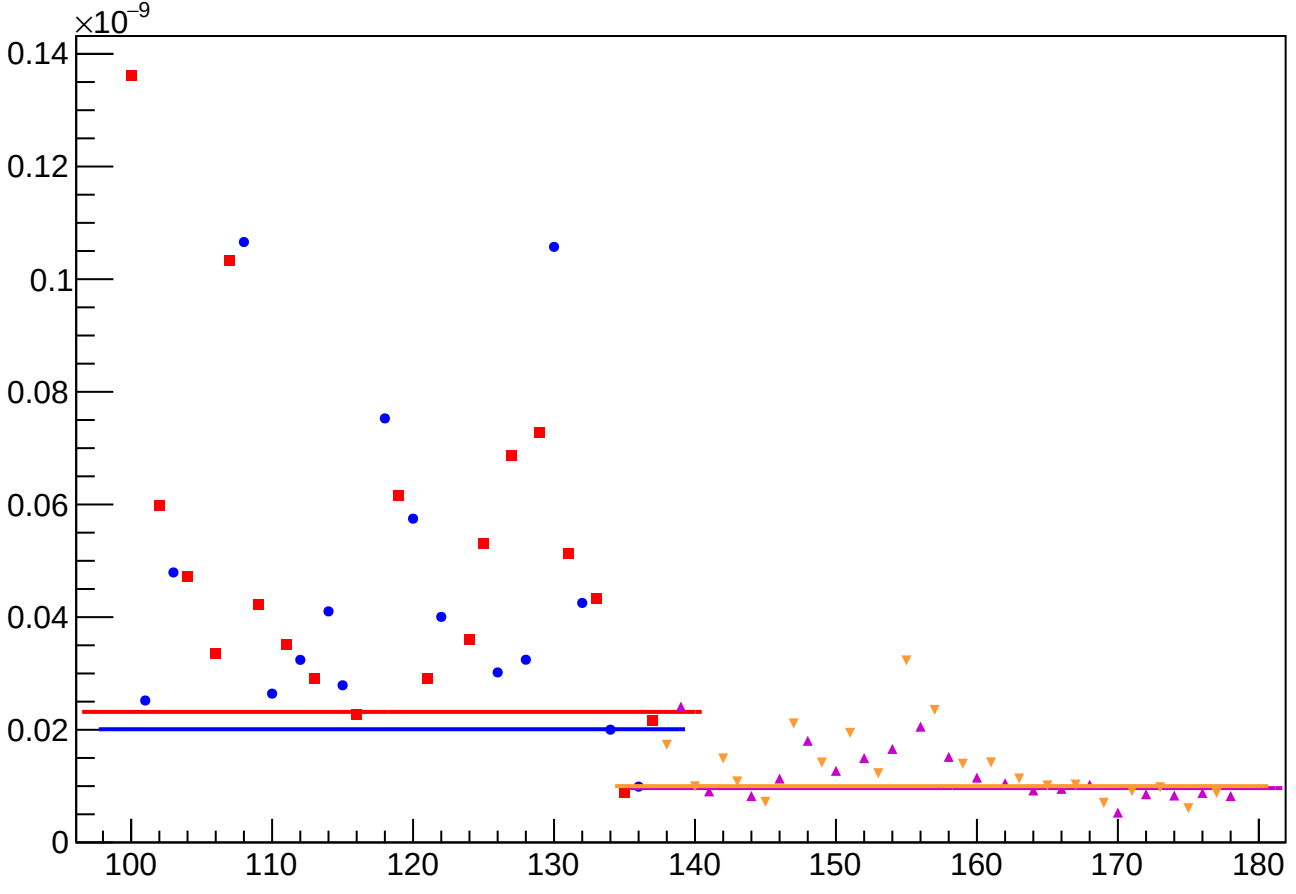
Left In: 0.000+/-0.000 χ^2/NDF:16.0/19

+ sign 0.000+/-0.000 χ^2/NDF: 16.5/36

All: 0.000+/-0.000 χ^2/NDF: 52.3/75

- sign 0.000+/-0.000 χ^2/NDF: 35.8/38

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:2751694.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

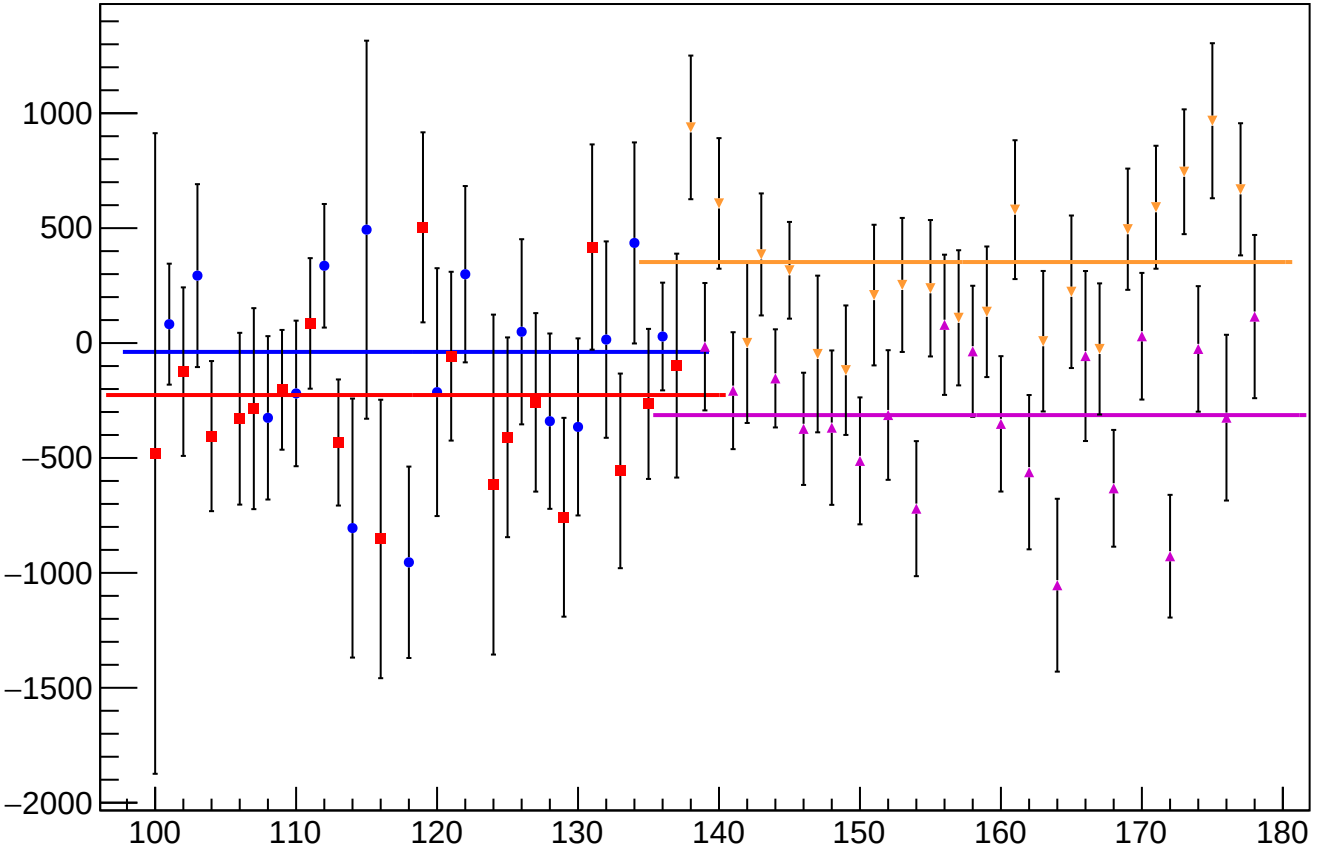
Left In: 0.000+/-0.000 χ^2/NDF:2066618.0/19

+ sign 0.000+/-0.000 χ^2/NDF: 7156145.5/36

All: 0.000+/-0.000 χ^2/NDF: 14654871.2/75

- sign 0.000+/-0.000 χ^2/NDF: 7488126.4/38

reg_asym_sam4_mean vs Slug



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 352.498+/-62.944 χ^2/NDF:22.8/20

Right Out: -226.168+/-87.908 χ^2/NDF: 11.4/18

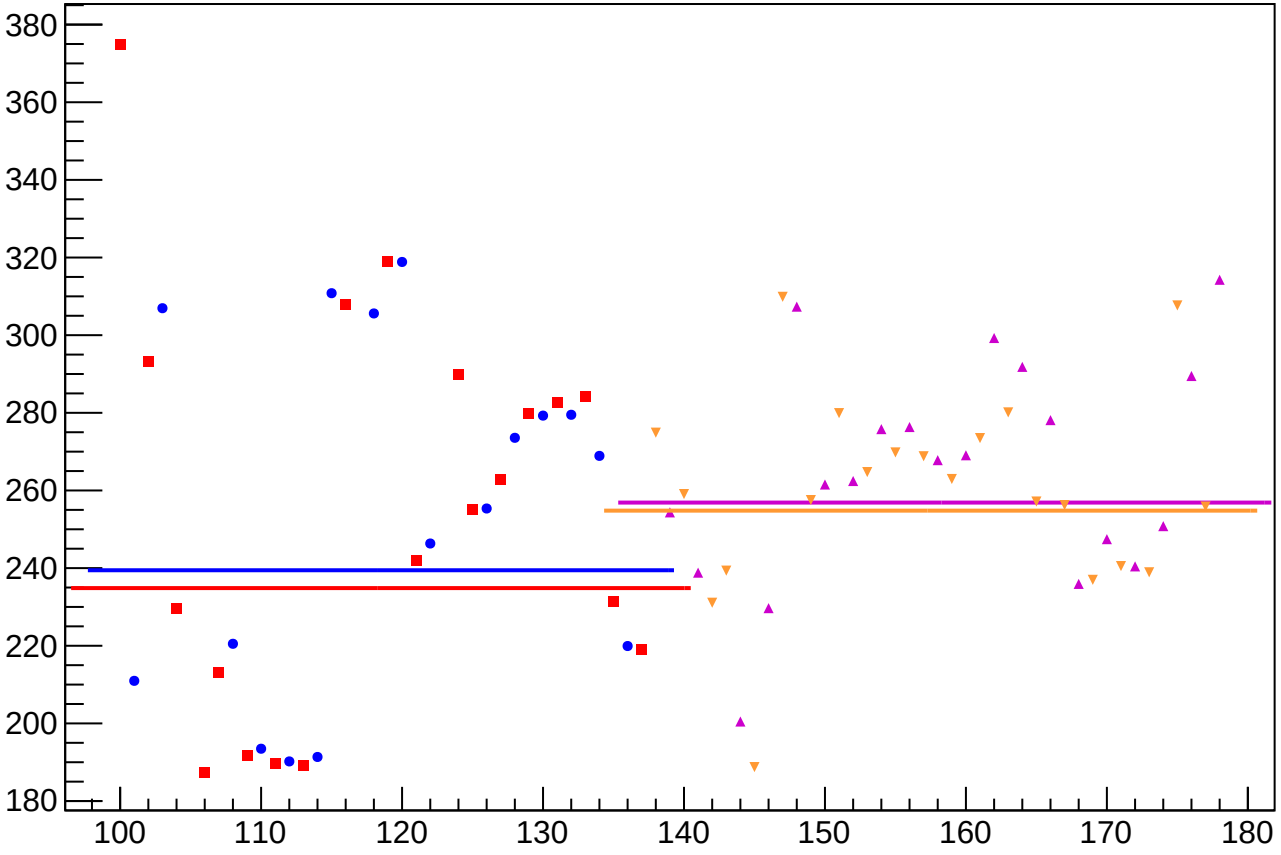
Left In: -313.463+/-64.168 χ^2/NDF:22.9/19

+ sign 225.247+/-51.697 χ^2/NDF: 49.8/36

All: -28.285+/-36.602 χ^2/NDF: 133.0/75

- sign -283.118+/-51.829 χ^2/NDF: 35.0/38

reg_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 254.806+/-0.045 χ^2/NDF:393574.4/20

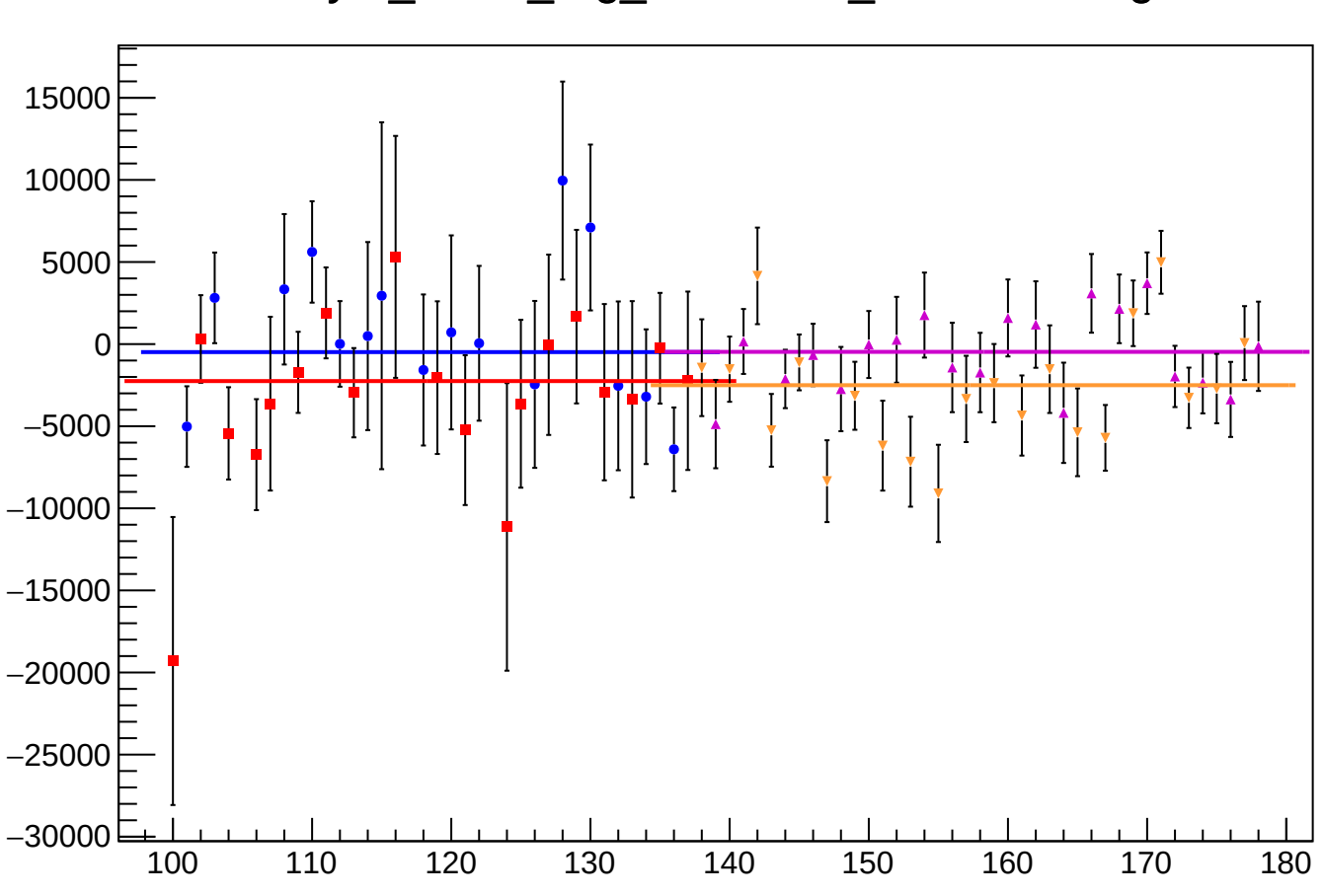
Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

Left In: 256.882+/-0.045 χ^2/NDF:392700.9/19

+ sign 249.808+/-0.037 χ^2/NDF: 833275.0/36

All: 249.517+/-0.026 χ^2/NDF: 1789741.0/75

- sign 249.225+/-0.037 χ^2/NDF: 956339.2/38



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -2502.492+/-495.759 χ^2/NDF:49.1/20

Right Out: -2251.898+/-894.171 χ^2/NDF: 13.9/18

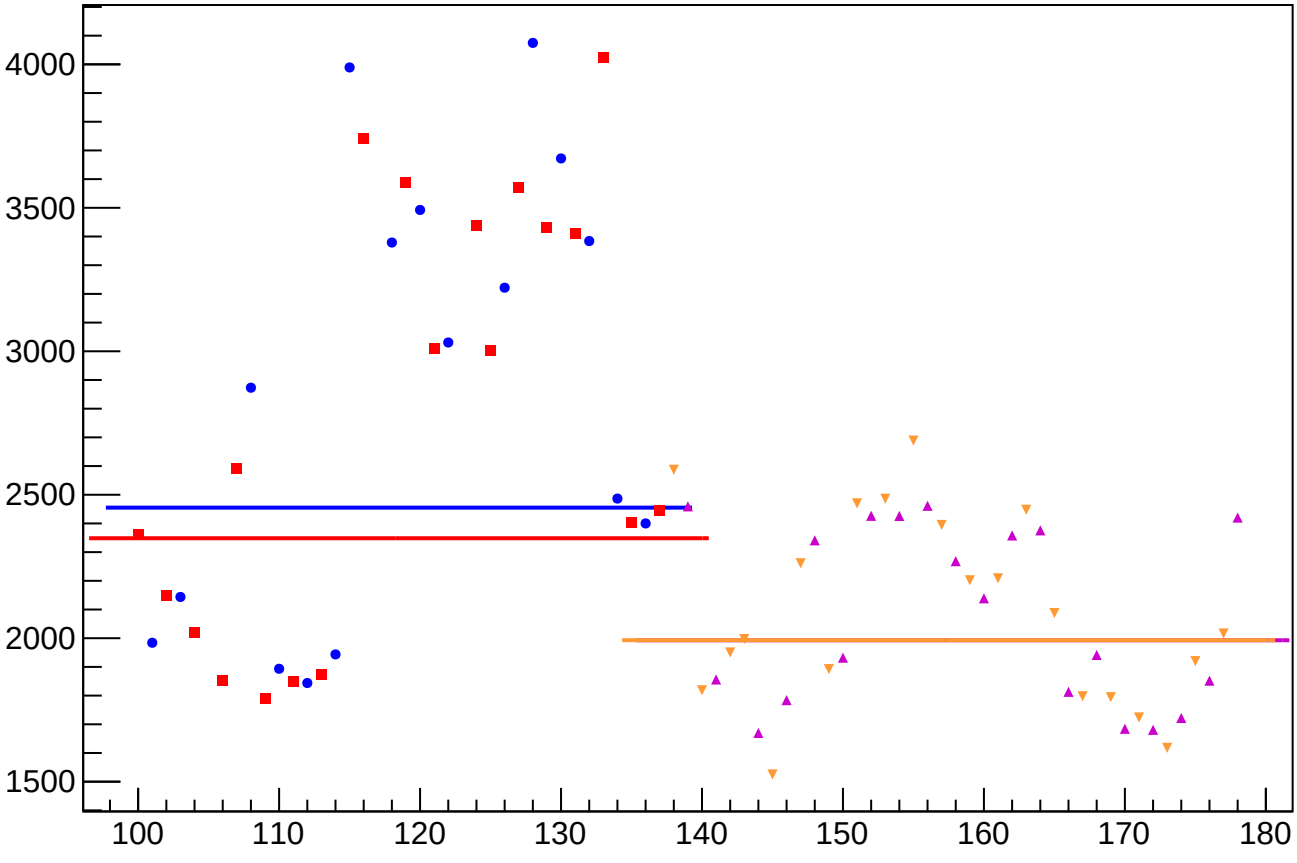
Left In: -472.065+/-499.964 χ^2/NDF:20.4/19

+ sign -2069.048+/-439.260 χ^2/NDF: 73.7/36

All: -1478.656+/-309.581 χ^2/NDF: 114.6/75

- sign -895.974+/-436.382 χ^2/NDF: 37.3/38

asym_sam4_reg_correction_rms vs Slug



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 1993.111+/-0.351 χ^2/NDF:814936.7/20

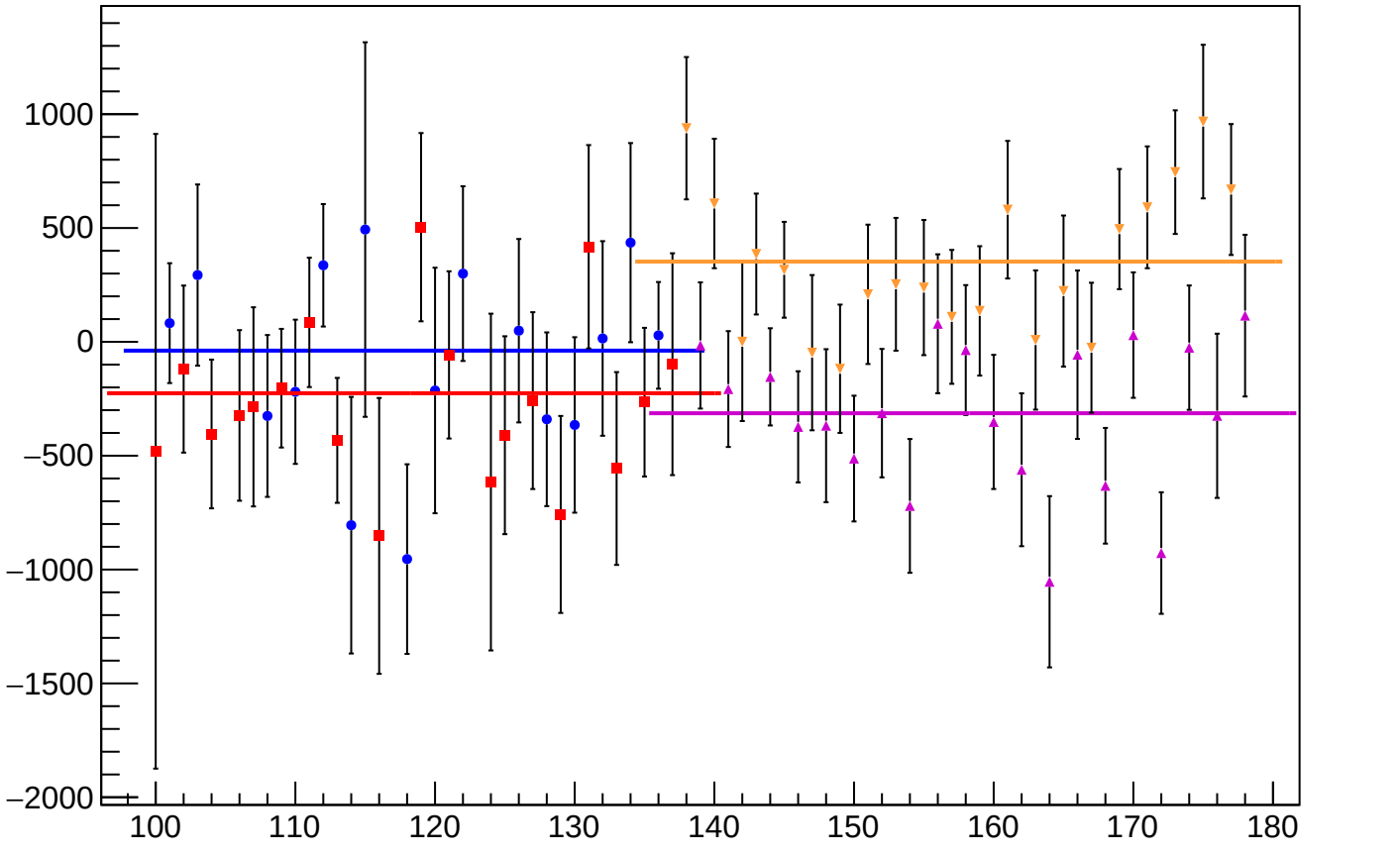
Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

Left In: 1992.831+/-0.354 χ^2/NDF:693870.6/19

+ sign 2092.413+/-0.311 χ^2/NDF: 2082644.9/36

All: 2084.922+/-0.219 χ^2/NDF: 4071086.8/75

- sign 2077.529+/-0.309 χ^2/NDF: 1987286.2/38



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 352.510+/-62.944 χ^2/NDF:22.8/20

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

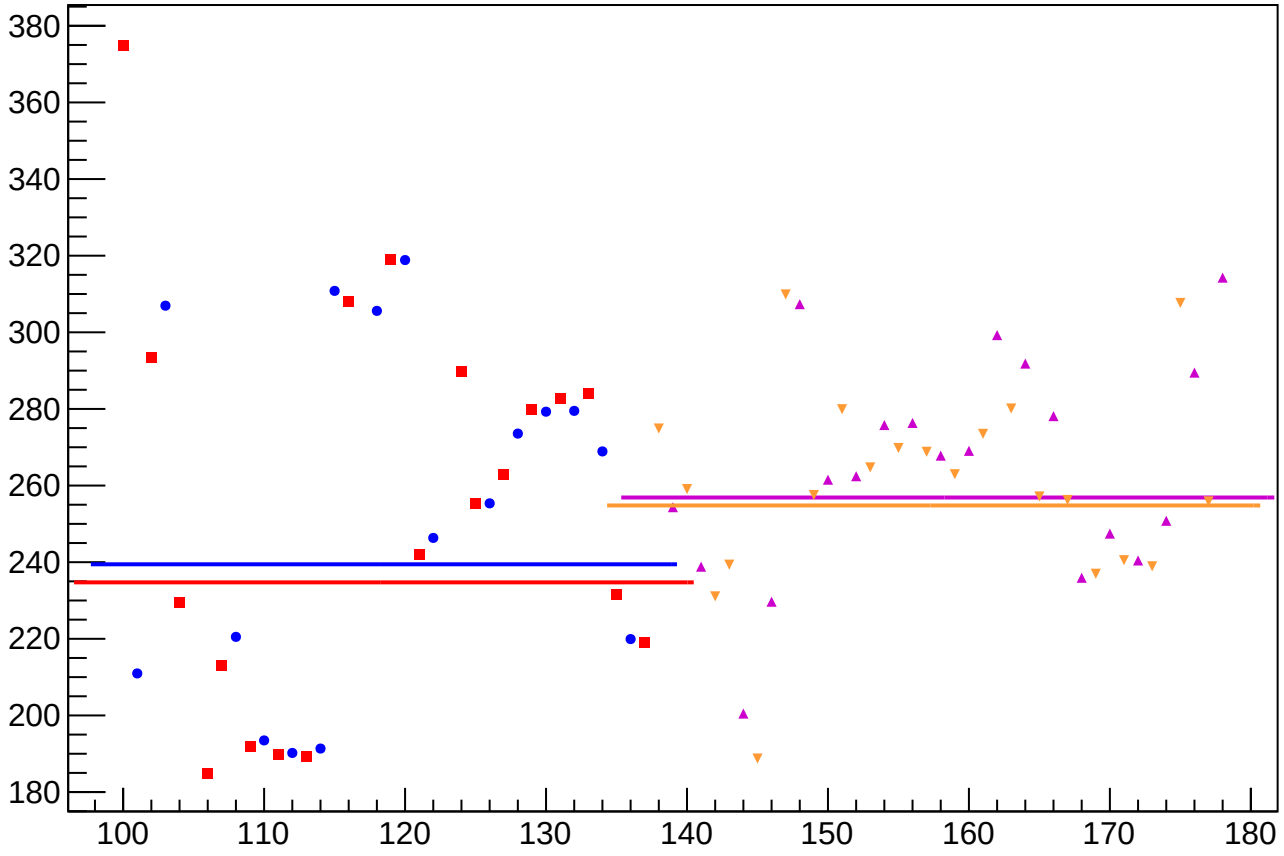
Left In: -313.466+/-64.168 χ^2/NDF:22.9/19

+ sign 225.248+/-51.697 χ^2/NDF: 49.8/36

All: -28.161+/-36.603 χ^2/NDF: 133.0/75

- sign -282.900+/-51.832 χ^2/NDF: 35.0/38

cor_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 254.806+/-0.045 χ^2/NDF:393574.4/20

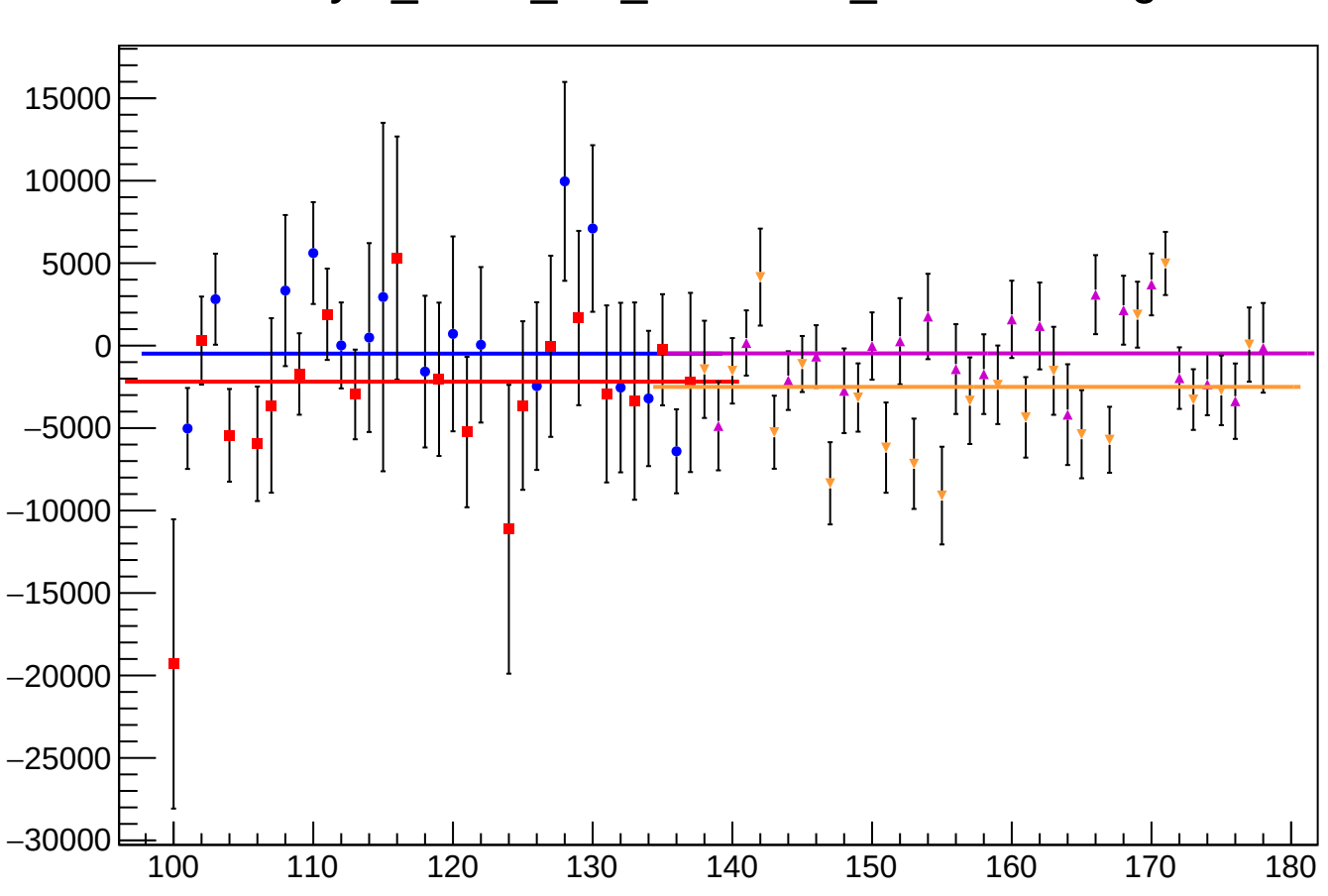
Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 256.882+/-0.045 χ^2/NDF:392700.9/19

+ sign 249.808+/-0.037 χ^2/NDF: 833277.1/36

All: 249.497+/-0.026 χ^2/NDF: 1794175.6/75

- sign 249.184+/-0.037 χ^2/NDF: 960753.4/38



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2502.481+/-495.759 χ^2/NDF:49.1/20

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

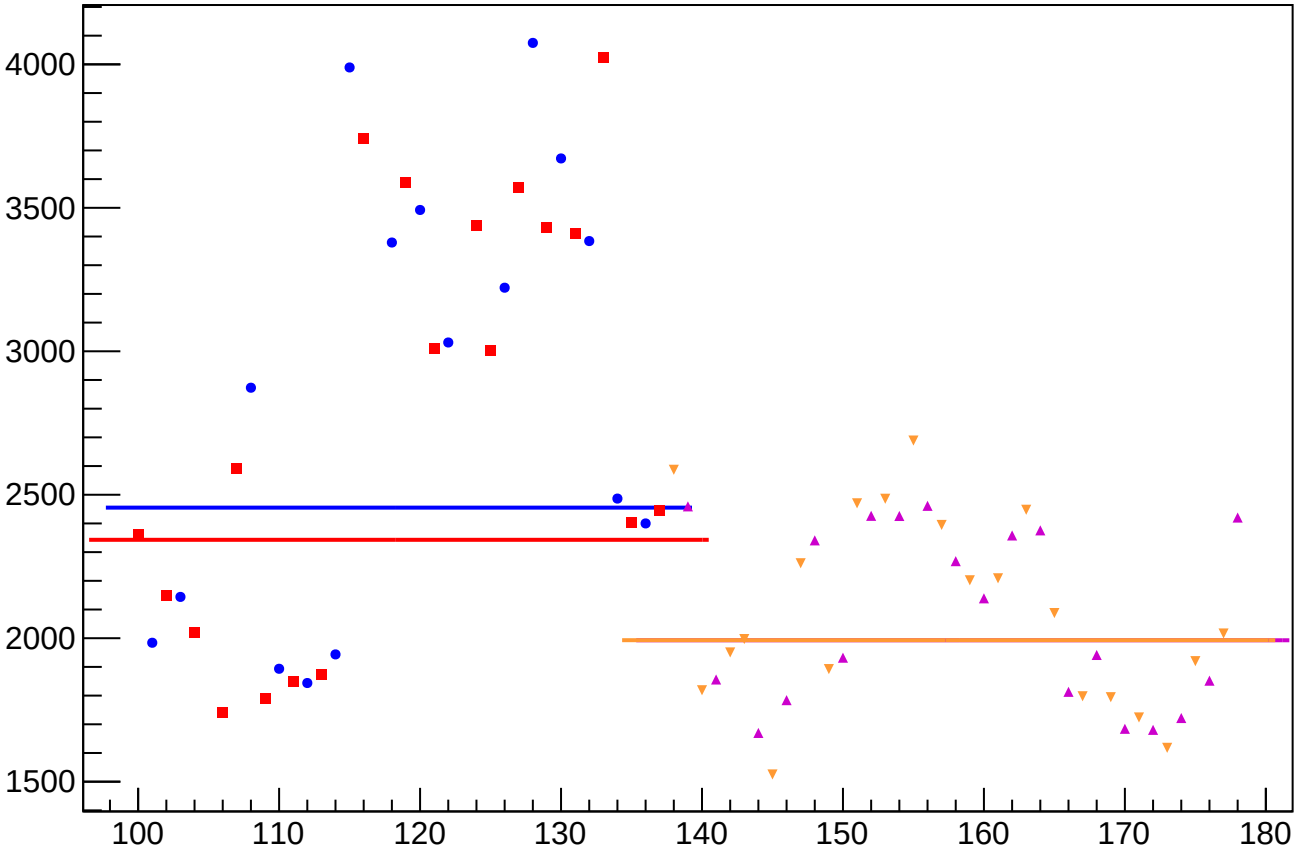
Left In: -472.076+/-499.965 χ^2/NDF:20.4/19

+ sign -2069.082+/-439.261 χ^2/NDF: 73.7/36

All: -1470.314+/-309.652 χ^2/NDF: 113.8/75

- sign -878.836+/-436.579 χ^2/NDF: 36.4/38

asym_sam4_cor_correction_rms vs Slug



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 1993.111+/-0.351 χ^2/NDF:814937.2/20

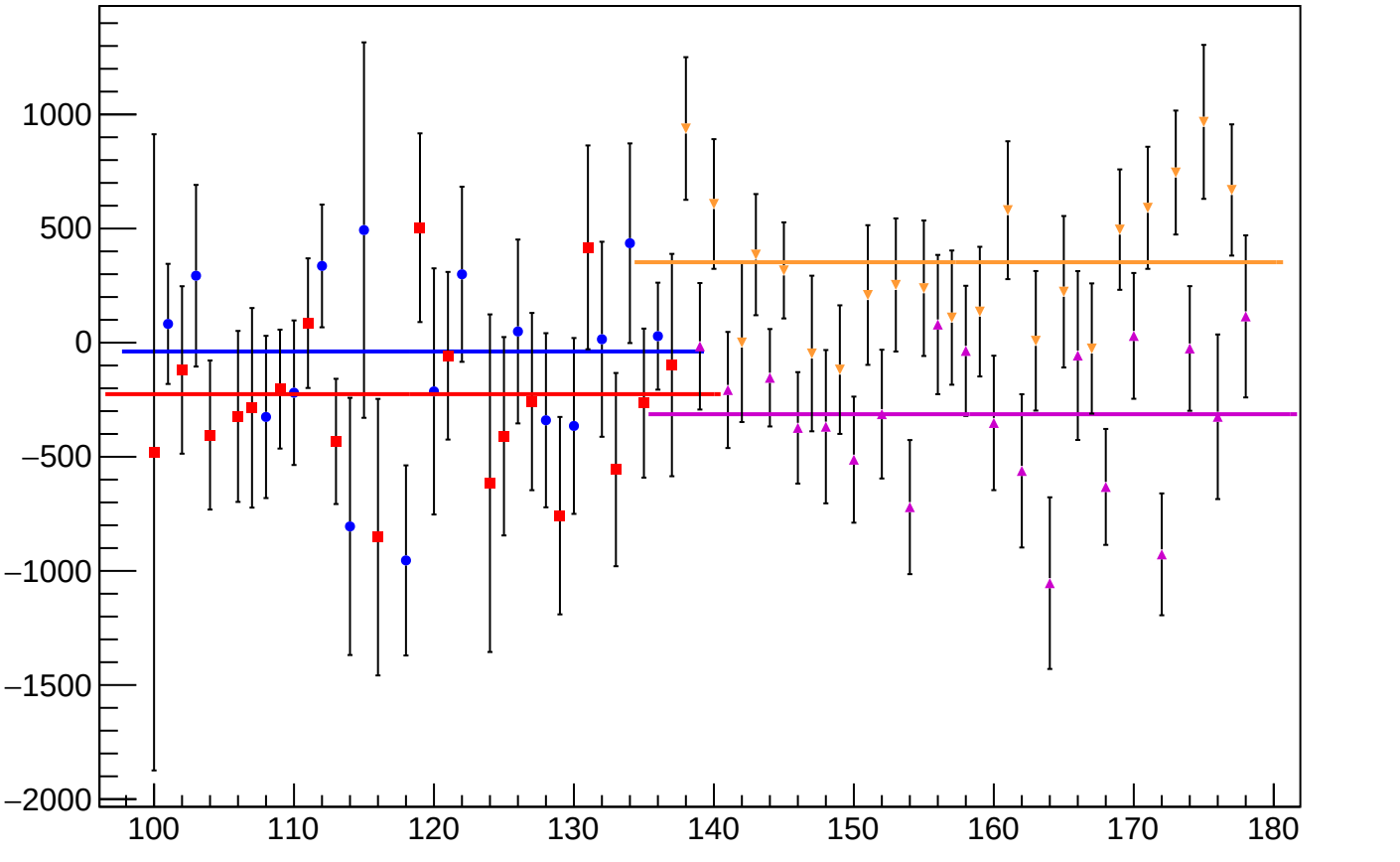
Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 1992.831+/-0.354 χ^2/NDF:693871.3/19

+ sign 2092.416+/-0.311 χ^2/NDF: 2082648.9/36

All: 2084.149+/-0.219 χ^2/NDF: 4081253.0/75

- sign 2075.982+/-0.309 χ^2/NDF: 1997195.7/38



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 352.510+/-62.944 χ^2/NDF:22.8/20

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

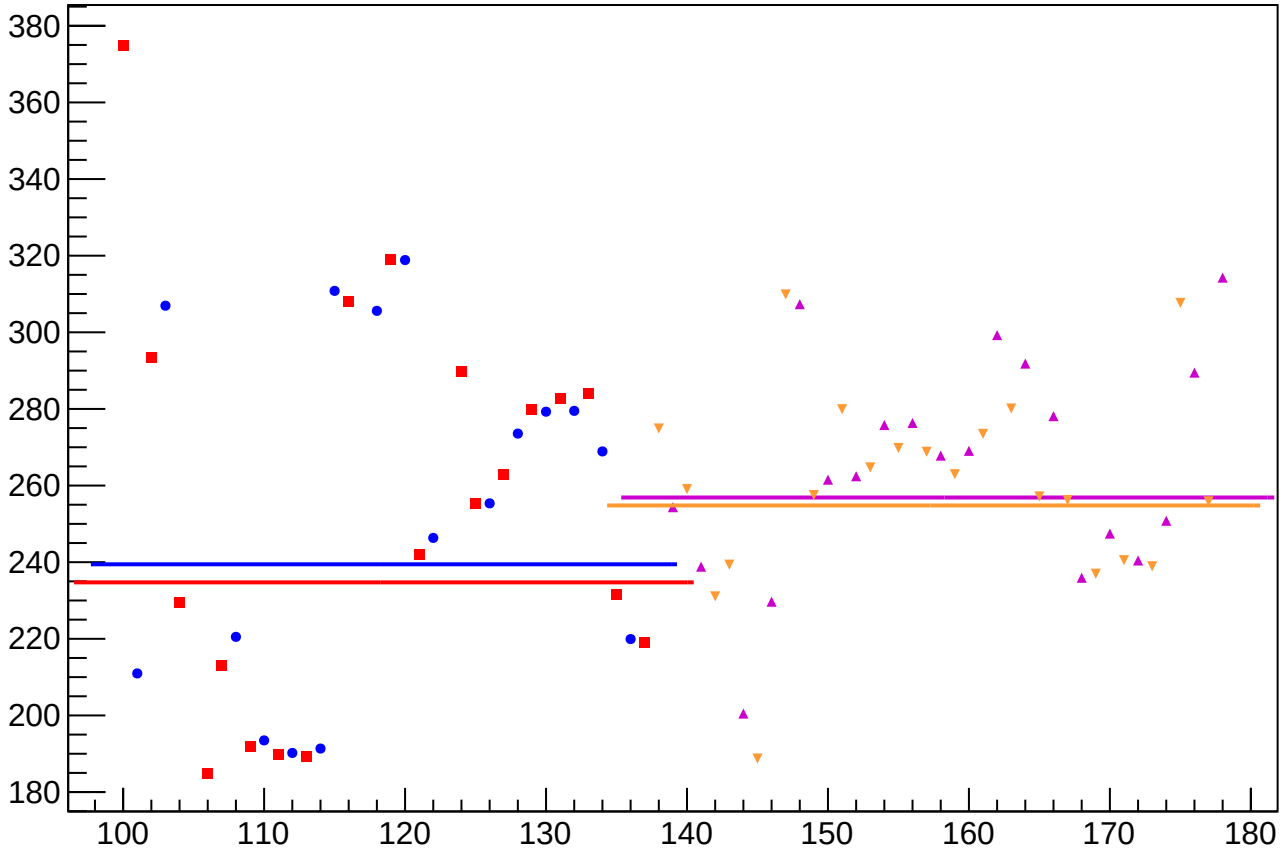
Left In: -313.466+/-64.168 χ^2/NDF:22.9/19

+ sign 225.248+/-51.697 χ^2/NDF: 49.8/36

All: -28.161+/-36.603 χ^2/NDF: 133.0/75

- sign -282.900+/-51.832 χ^2/NDF: 35.0/38

eigen_cor_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 254.806+/-0.045 χ^2/NDF:393574.4/20

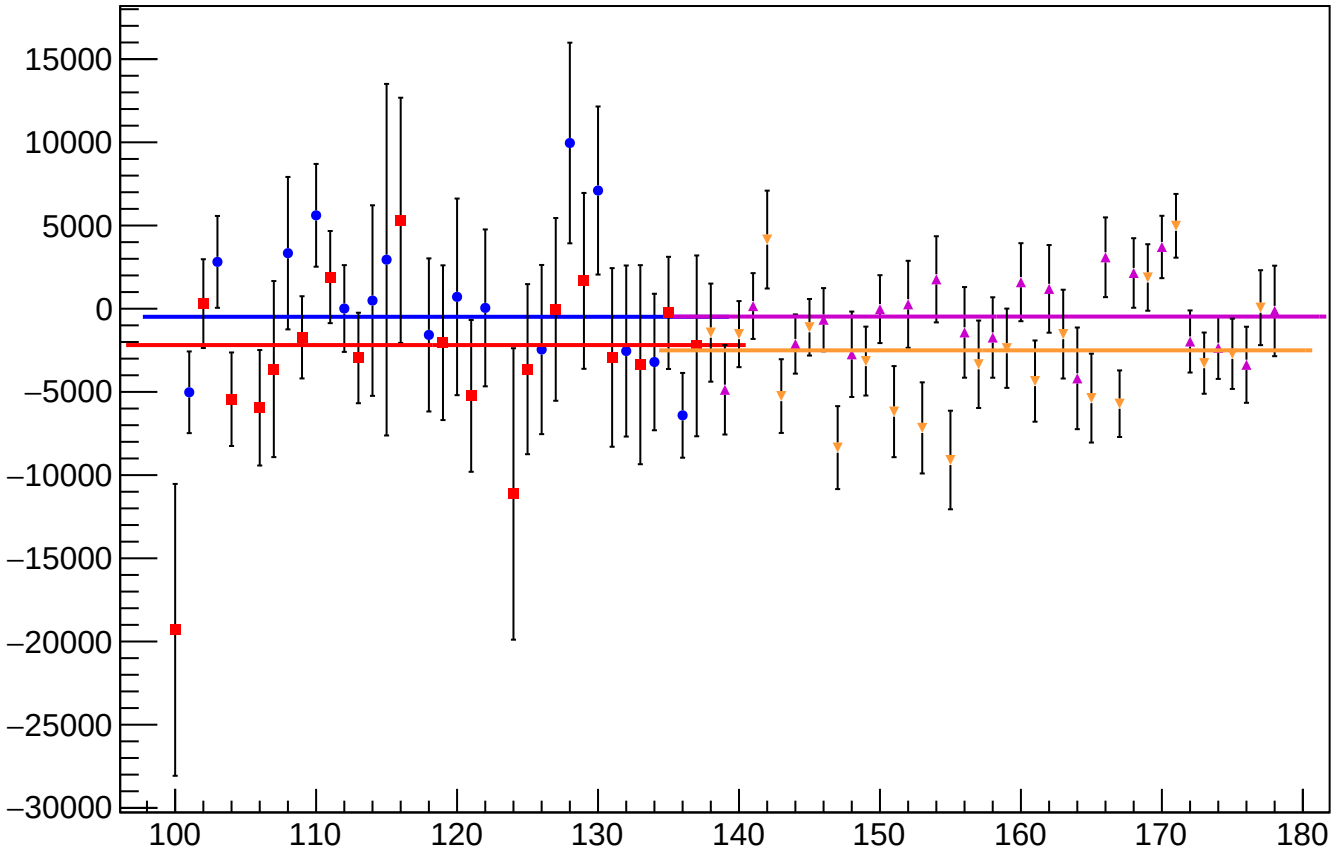
Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 256.882+/-0.045 χ^2/NDF:392700.9/19

+ sign 249.808+/-0.037 χ^2/NDF: 833277.1/36

All: 249.497+/-0.026 χ^2/NDF: 1794175.6/75

- sign 249.184+/-0.037 χ^2/NDF: 960753.4/38



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2502.481+/-495.759 χ^2/NDF:49.1/20

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

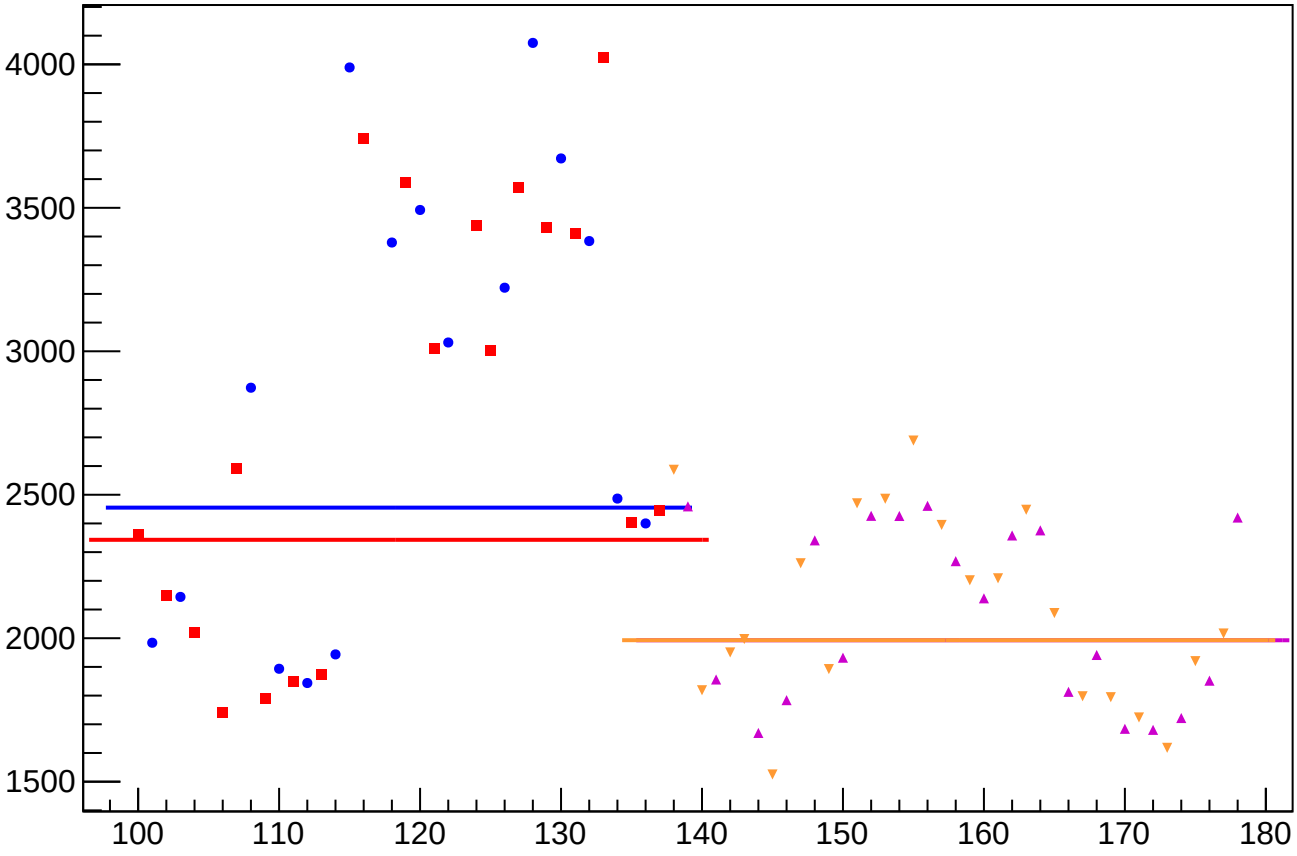
Left In: -472.076+/-499.965 χ^2/NDF:20.4/19

+ sign -2069.082+/-439.261 χ^2/NDF: 73.7/36

All: -1470.314+/-309.652 χ^2/NDF: 113.8/75

- sign -878.836+/-436.579 χ^2/NDF: 36.4/38

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 1993.111+/-0.351 χ^2/NDF:814937.2/20

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

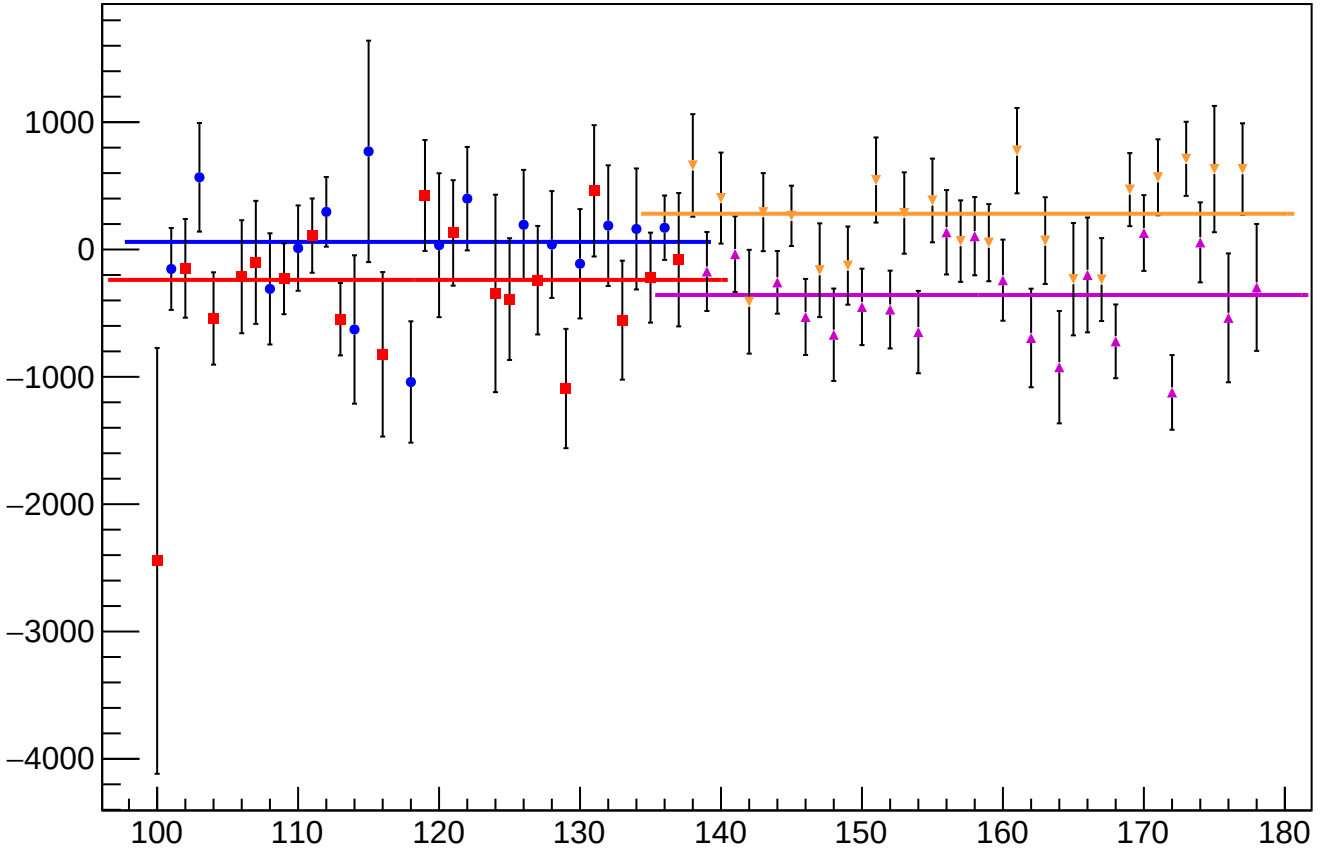
Left In: 1992.831+/-0.354 χ^2/NDF:693871.3/19

+ sign 2092.416+/-0.311 χ^2/NDF: 2082648.9/36

All: 2084.149+/-0.219 χ^2/NDF: 4081253.0/75

- sign 2075.982+/-0.309 χ^2/NDF: 1997195.7/38

dit_asym_sam4_mean vs Slug



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 280.931+/-71.768 χ^2/NDF:20.3/20

Right Out: -238.516+/-95.062 χ^2/NDF: 14.9/18

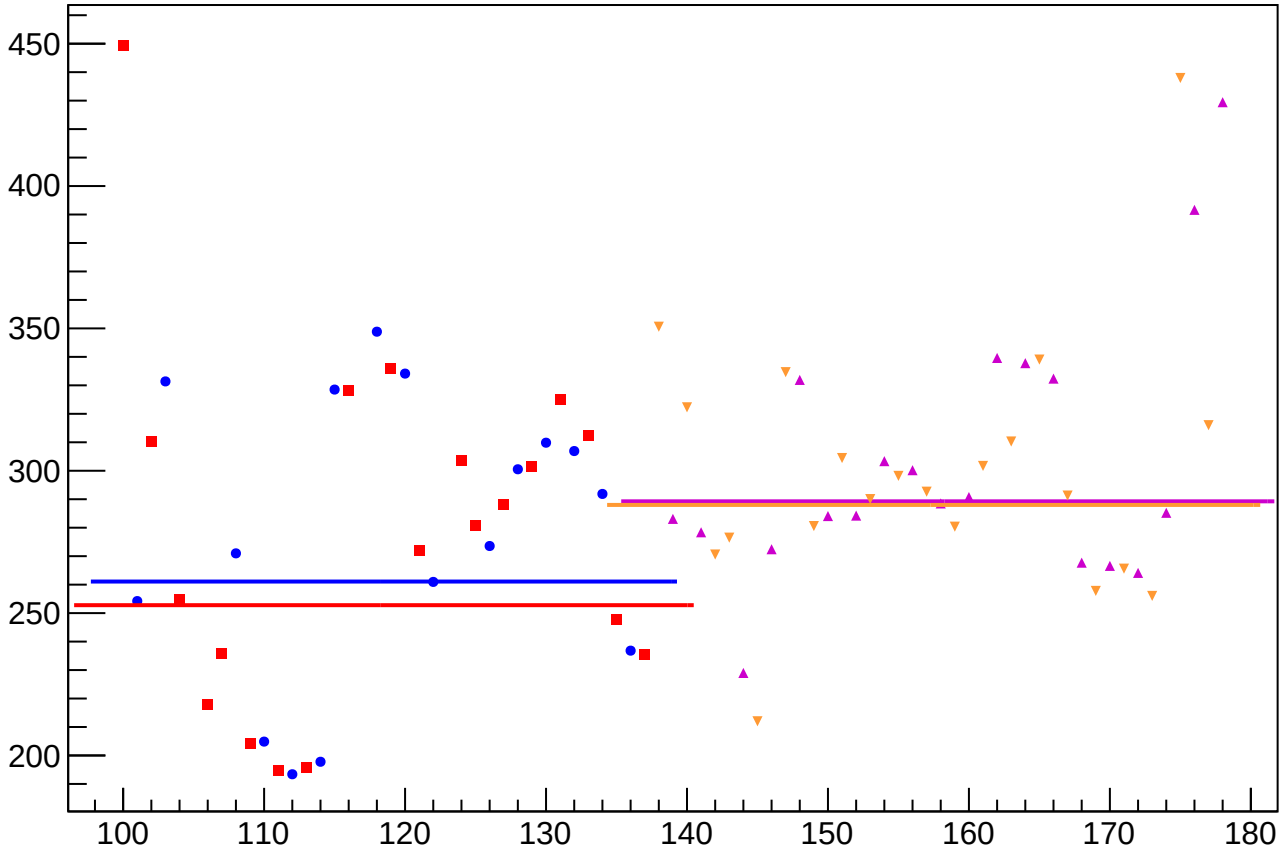
Left In: -357.316+/-73.011 χ^2/NDF:23.9/19

+ sign 204.960+/-58.153 χ^2/NDF: 35.5/36

All: -55.250+/-41.032 χ^2/NDF: 115.2/75

- sign -313.239+/-57.904 χ^2/NDF: 39.8/38

dit_asym_sam4_rms vs Slug



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 288.001+/-0.051 χ^2/NDF:612014.3/20

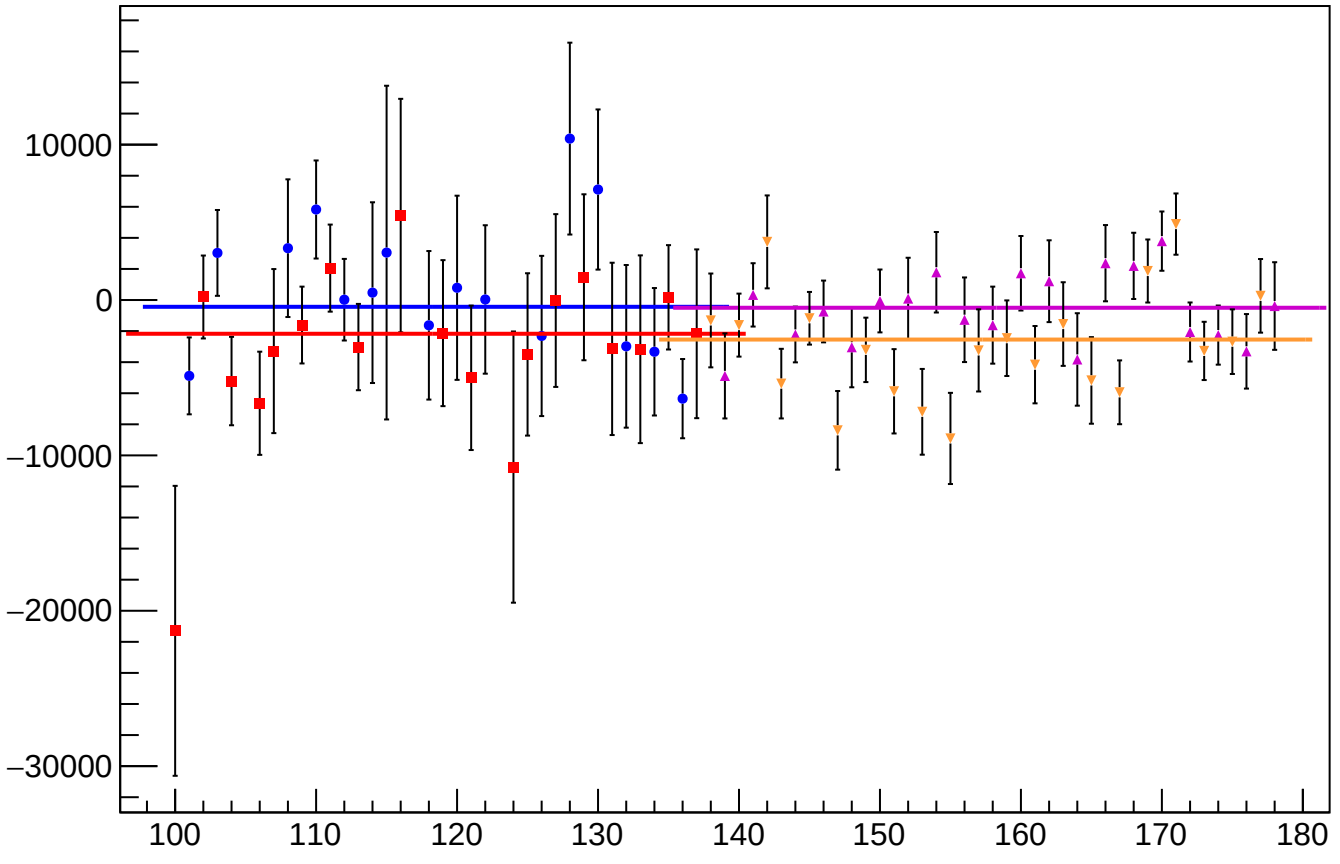
Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

Left In: 289.263+/-0.052 χ^2/NDF:518606.9/19

+ sign 278.758+/-0.041 χ^2/NDF: 1171263.6/36

All: 277.237+/-0.029 χ^2/NDF: 2415095.6/75

- sign 275.730+/-0.041 χ^2/NDF: 1241108.3/38



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -2544.620+/-502.773 χ^2/NDF:46.3/20

Right Out: -2172.091+/-901.102 χ^2/NDF: 14.0/18

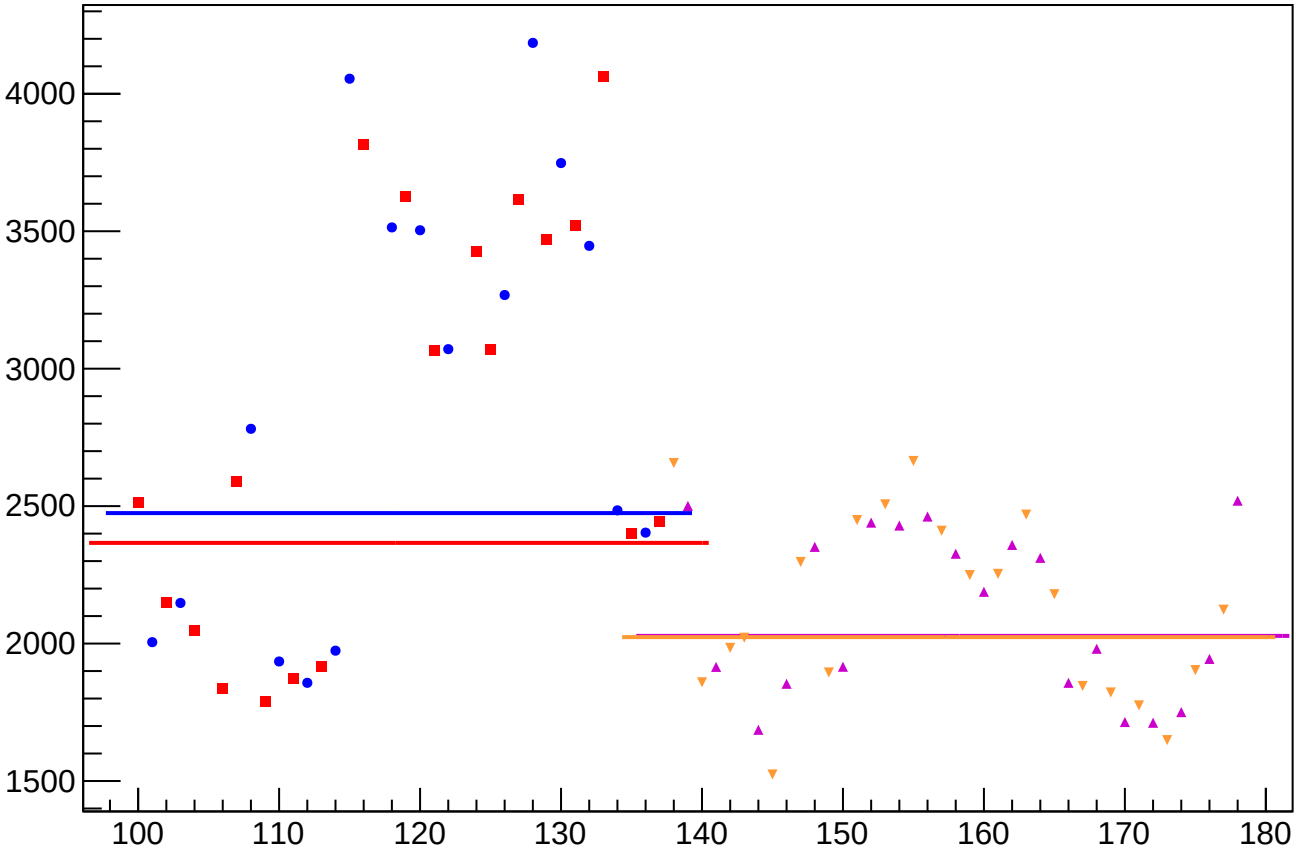
Left In: -498.594+/-508.408 χ^2/NDF:19.2/19

+ sign -2087.276+/-444.900 χ^2/NDF: 71.3/36

All: -1492.169+/-313.844 χ^2/NDF: 110.7/75

- sign -902.684+/-442.793 χ^2/NDF: 35.9/38

asym_sam4_dit_correction_rms vs Slug



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 2023.395+/-0.356 χ^2/NDF:807021.6/20

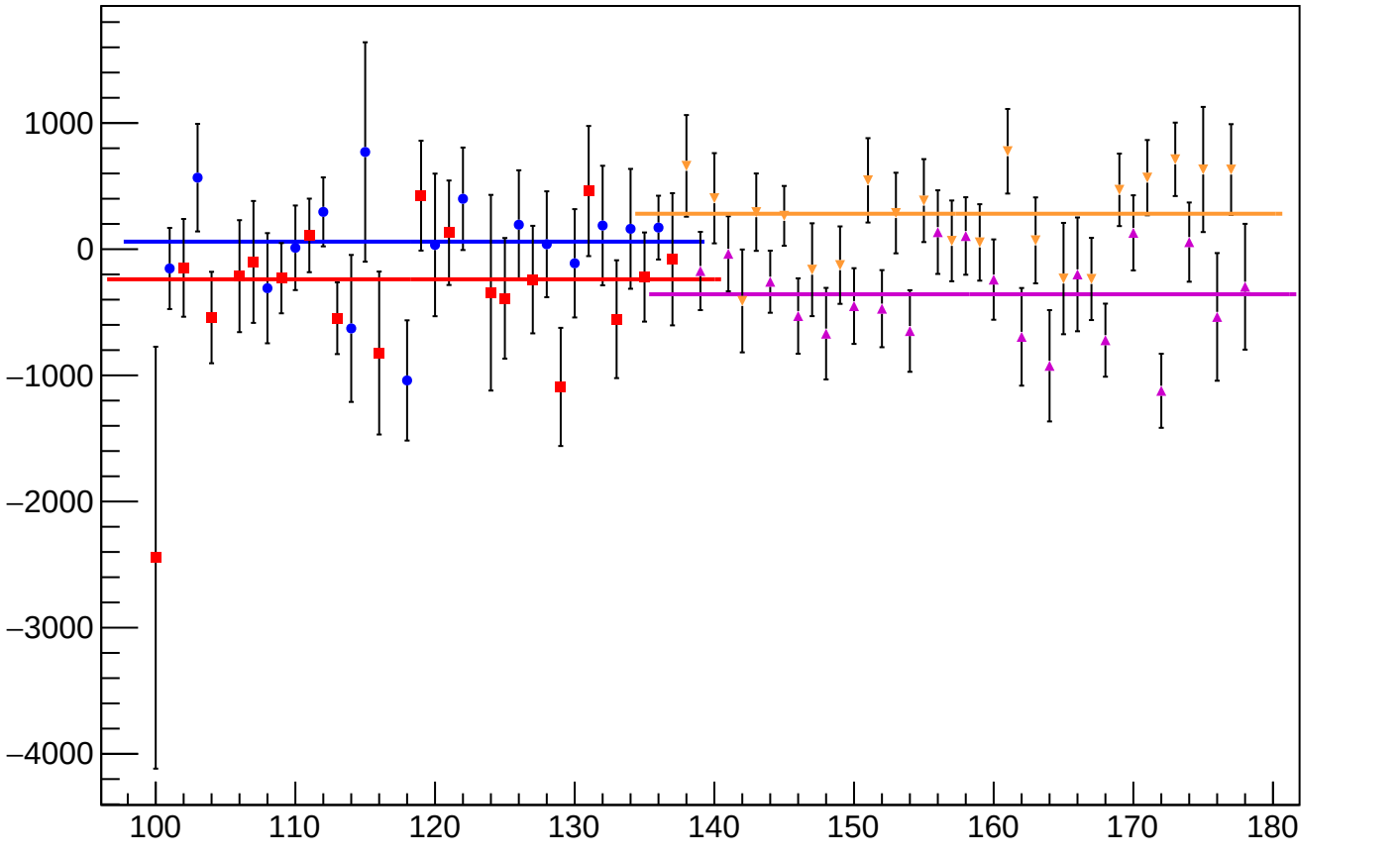
Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

Left In: 2027.918+/-0.359 χ^2/NDF:652913.2/19

+ sign 2121.296+/-0.315 χ^2/NDF: 2072792.3/36

All: 2115.424+/-0.222 χ^2/NDF: 4017405.4/75

- sign 2109.606+/-0.313 χ^2/NDF: 1943919.4/38



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 280.935+/-71.769 χ^2/NDF:20.3/20

Right Out: -238.515+/-95.062 χ^2/NDF: 14.9/18

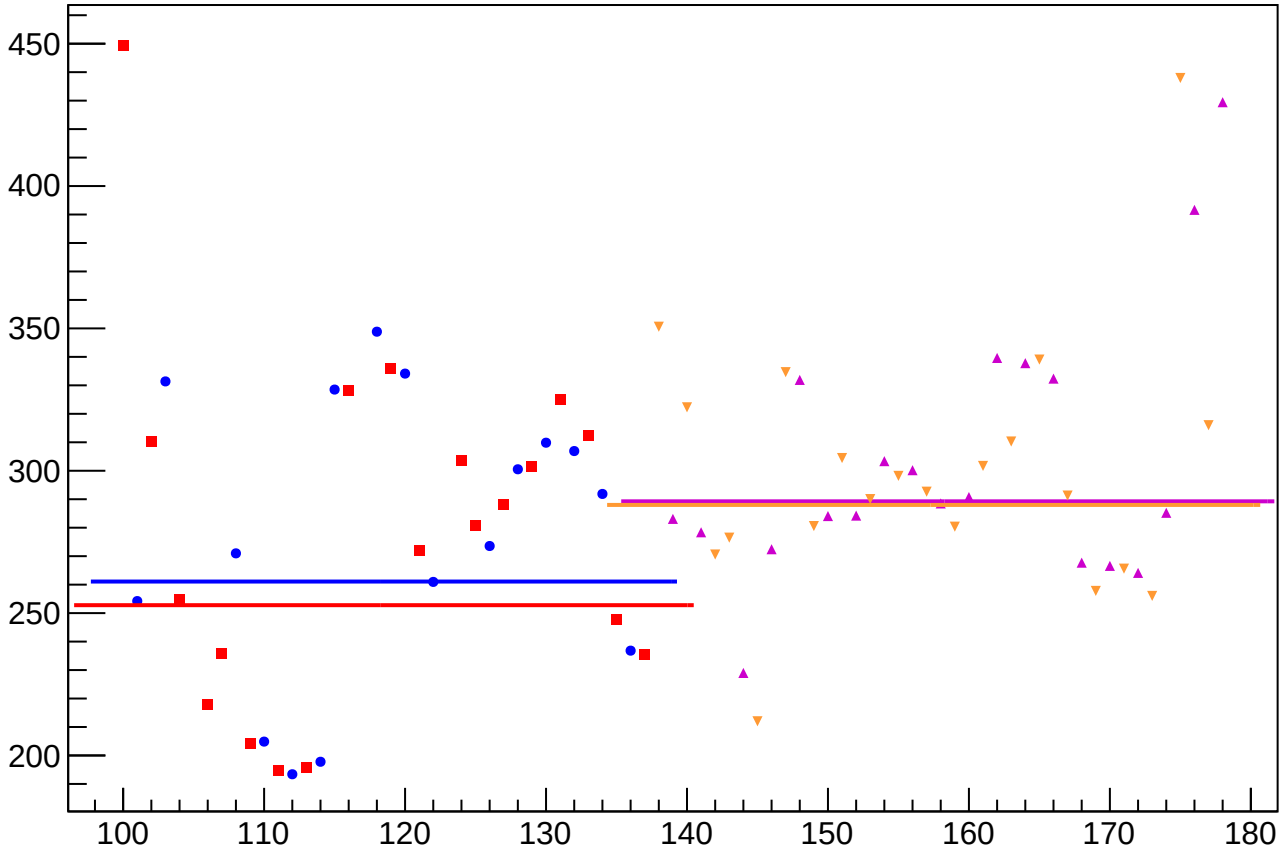
Left In: -357.316+/-73.011 χ^2/NDF:23.9/19

+ sign 204.965+/-58.153 χ^2/NDF: 35.5/36

All: -55.248+/-41.032 χ^2/NDF: 115.2/75

- sign -313.239+/-57.904 χ^2/NDF: 39.8/38

eigen_dit_asym_sam4_rms vs Slug



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 288.001+/-0.051 χ^2/NDF:612008.7/20

Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

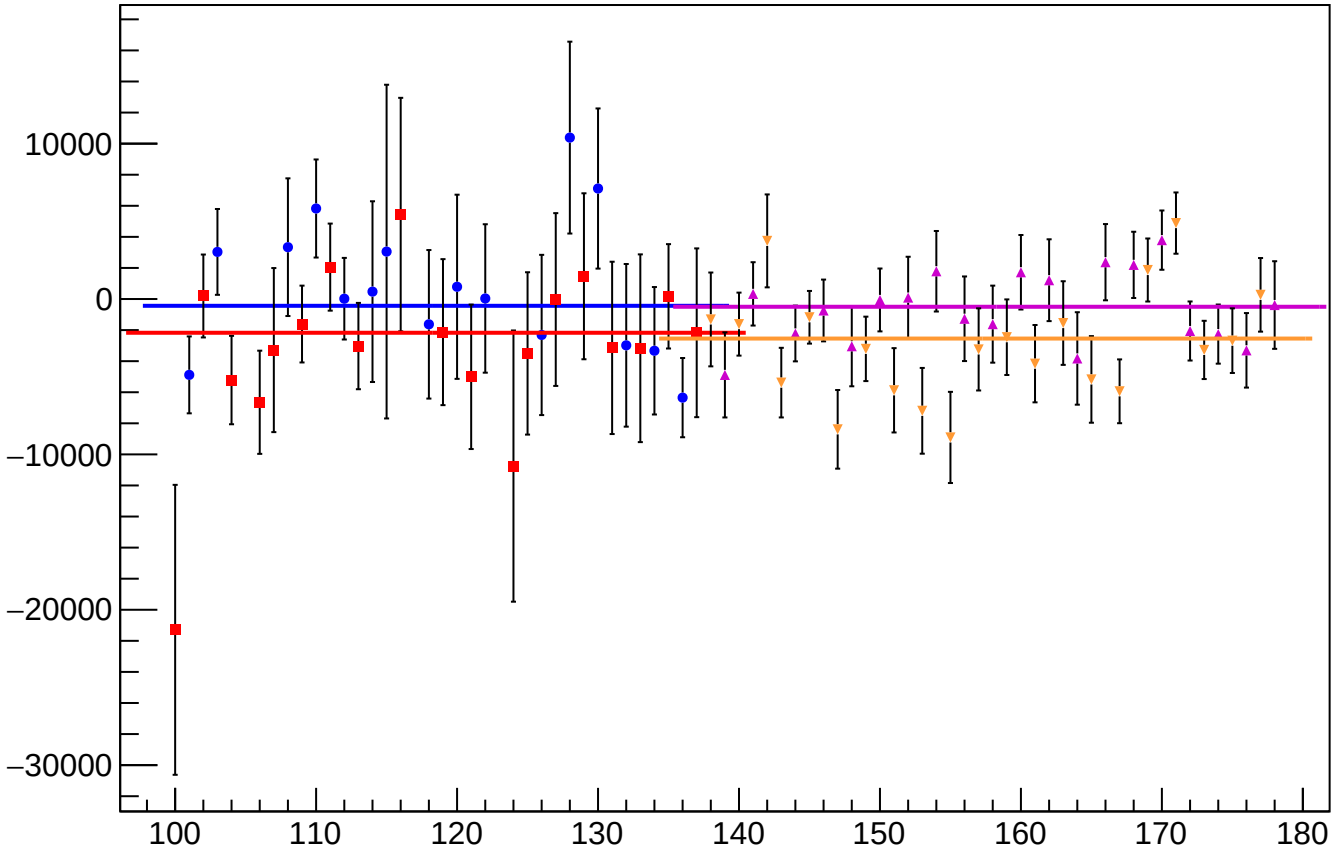
Left In: 289.263+/-0.052 χ^2/NDF:518596.9/19

+ sign 278.758+/-0.041 χ^2/NDF: 1171262.6/36

All: 277.238+/-0.029 χ^2/NDF: 2415090.7/75

- sign 275.730+/-0.041 χ^2/NDF: 1241104.3/38

asym_sam4_eigen_dit_correction_mean vs Slug



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -2544.615+/-502.773 χ^2/NDF:46.3/20

Right Out: -2172.089+/-901.101 χ^2/NDF: 14.0/18

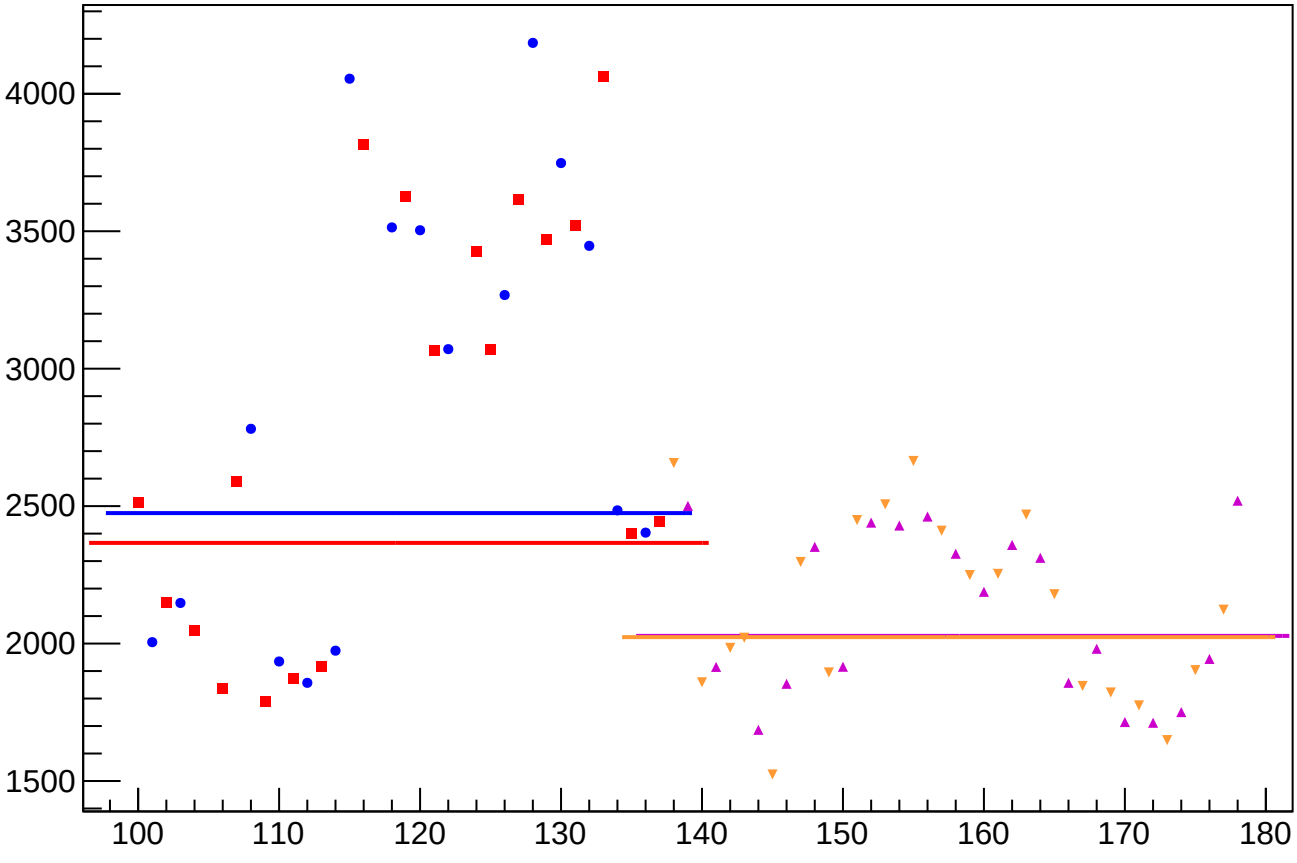
Left In: -498.591+/-508.408 χ^2/NDF:19.2/19

+ sign -2087.272+/-444.899 χ^2/NDF: 71.3/36

All: -1492.166+/-313.844 χ^2/NDF: 110.7/75

- sign -902.681+/-442.792 χ^2/NDF: 35.9/38

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 2023.392+/-0.356 χ^2/NDF:807025.5/20

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

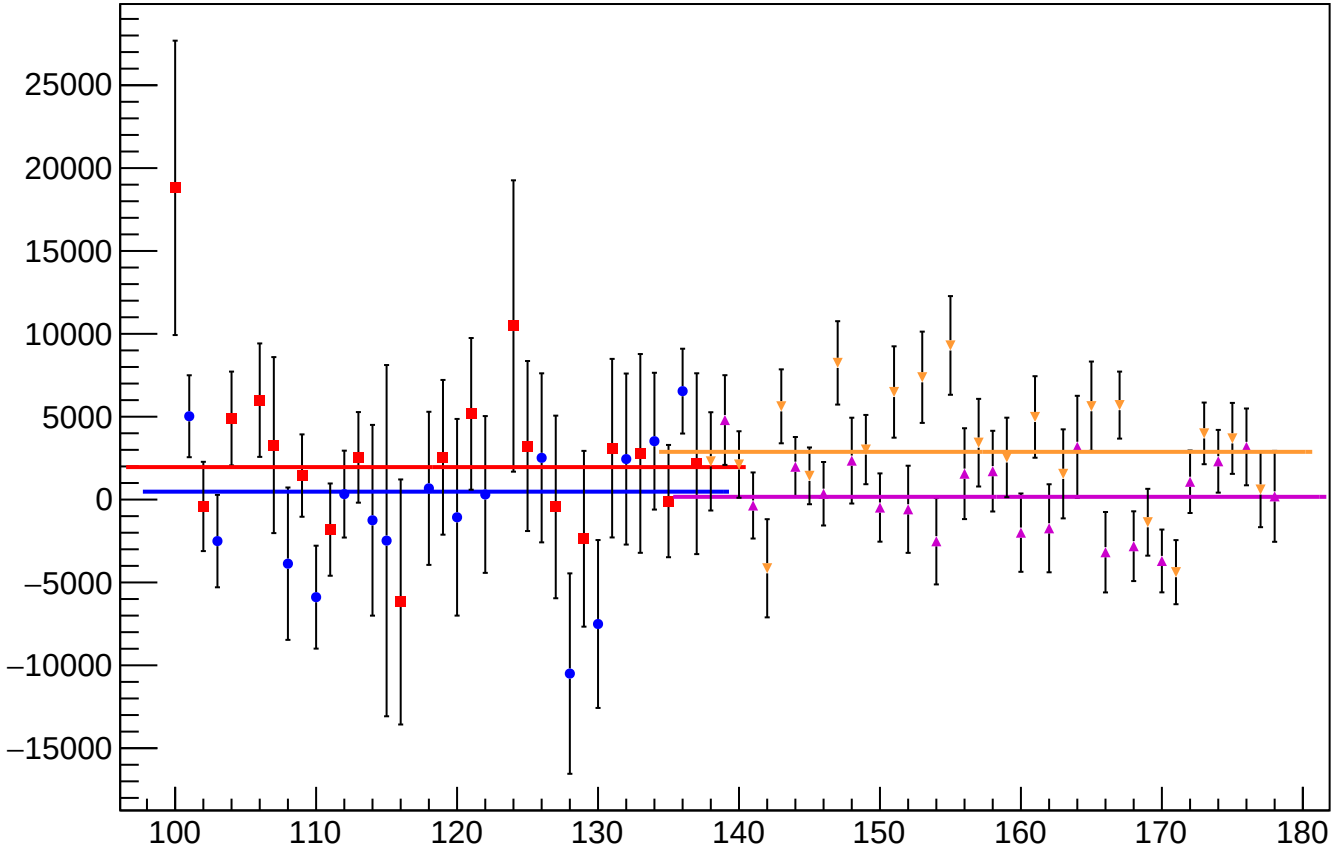
Left In: 2027.915+/-0.359 χ^2/NDF:652912.8/19

+ sign 2121.294+/-0.315 χ^2/NDF: 2072801.7/36

All: 2115.421+/-0.222 χ^2/NDF: 4017418.5/75

- sign 2109.604+/-0.313 χ^2/NDF: 1943923.1/38

asym_sam4_mean vs Slug



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 2879.915+/-500.051 χ^2/NDF:45.7/20

Right Out: 1959.491+/-899.702 χ^2/NDF: 12.8/18

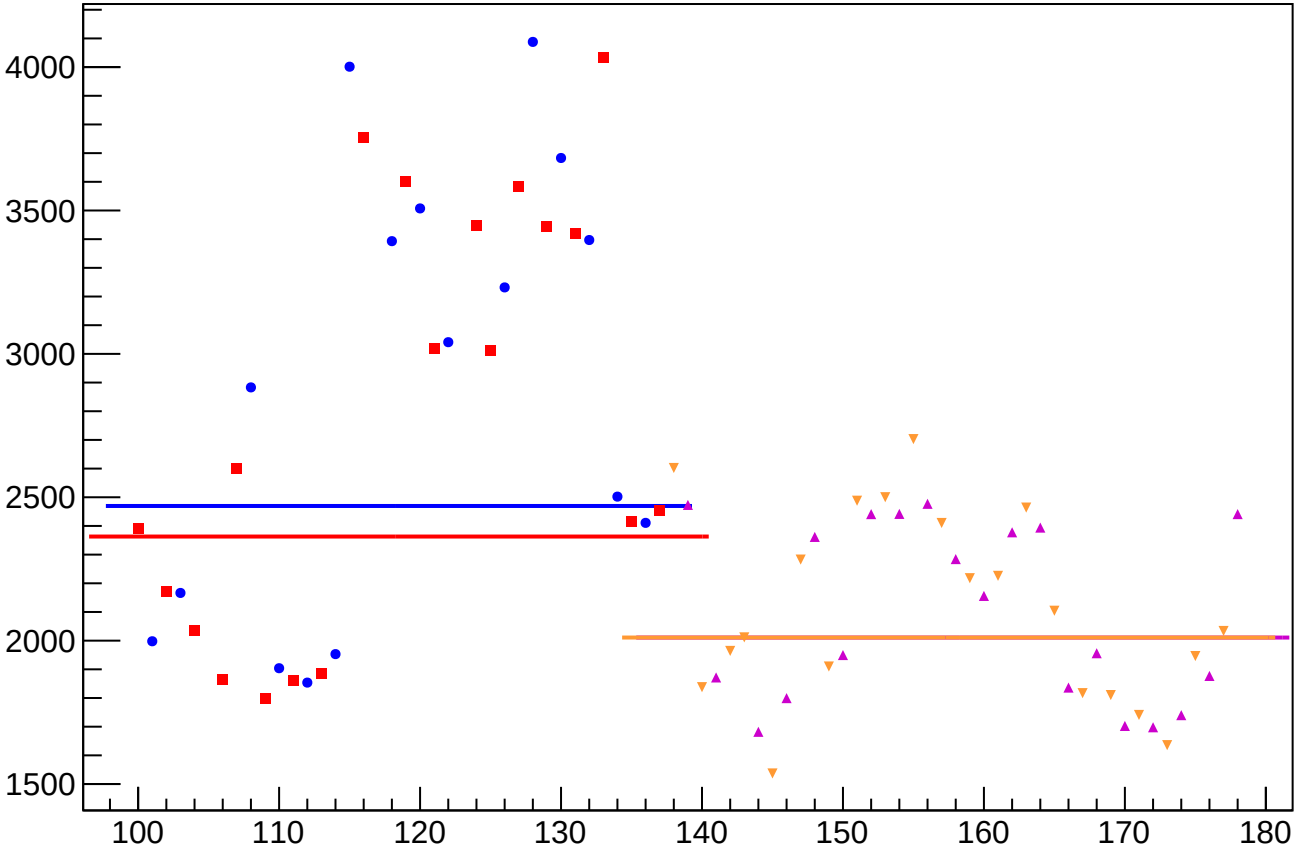
Left In: 165.572+/-504.362 χ^2/NDF:20.2/19

+ sign 2361.011+/-442.772 χ^2/NDF: 72.8/36

All: 1472.119+/-312.084 χ^2/NDF: 116.9/75

- sign 594.525+/-439.949 χ^2/NDF: 36.1/38

asym_sam4_rms vs Slug



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 2010.852+/-0.354 χ^2/NDF:803025.2/20

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

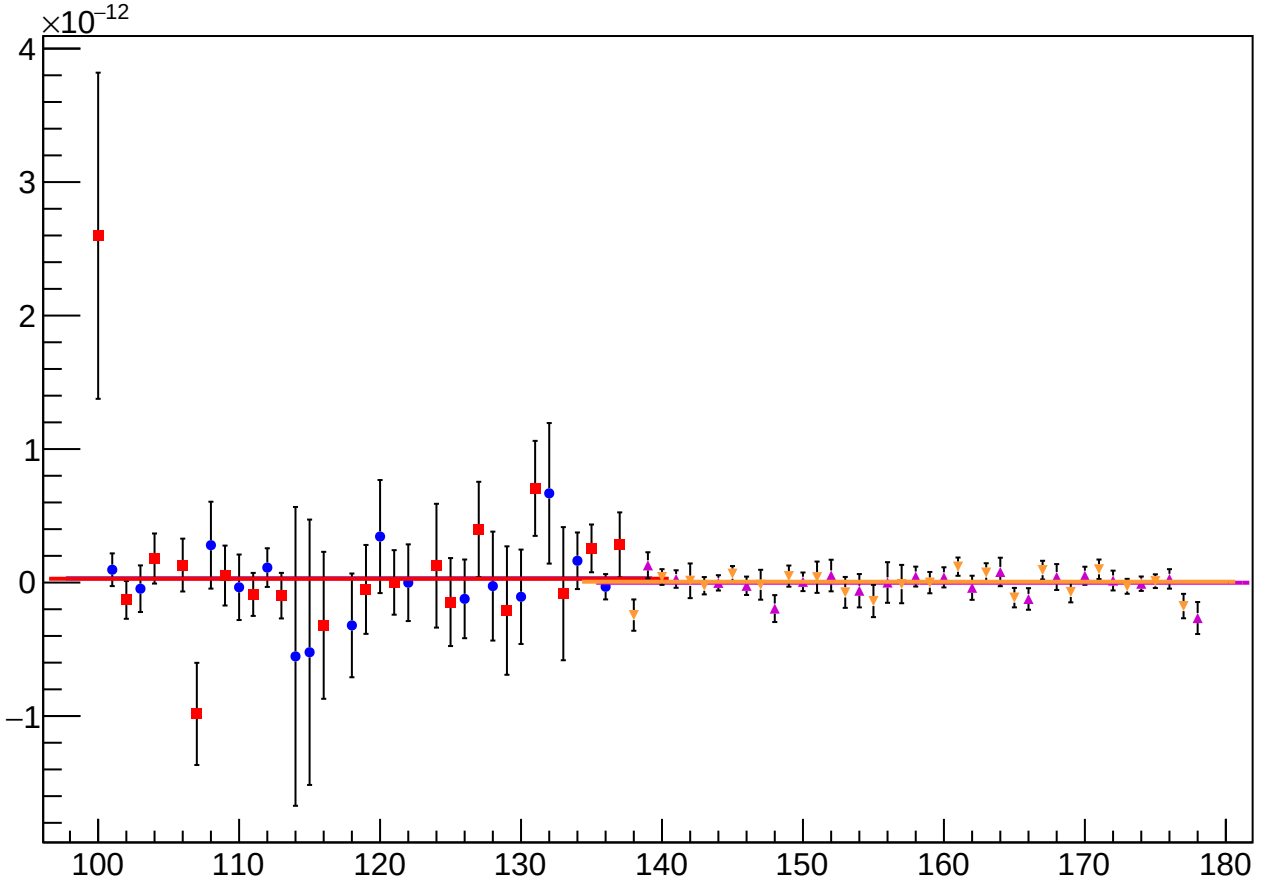
Left In: 2010.767+/-0.357 χ^2/NDF:683152.6/19

+ sign 2109.937+/-0.313 χ^2/NDF: 2052804.0/36

All: 2102.423+/-0.221 χ^2/NDF: 4013759.9/75

- sign 2095.004+/-0.311 χ^2/NDF: 1959811.0/38

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:23.4/20

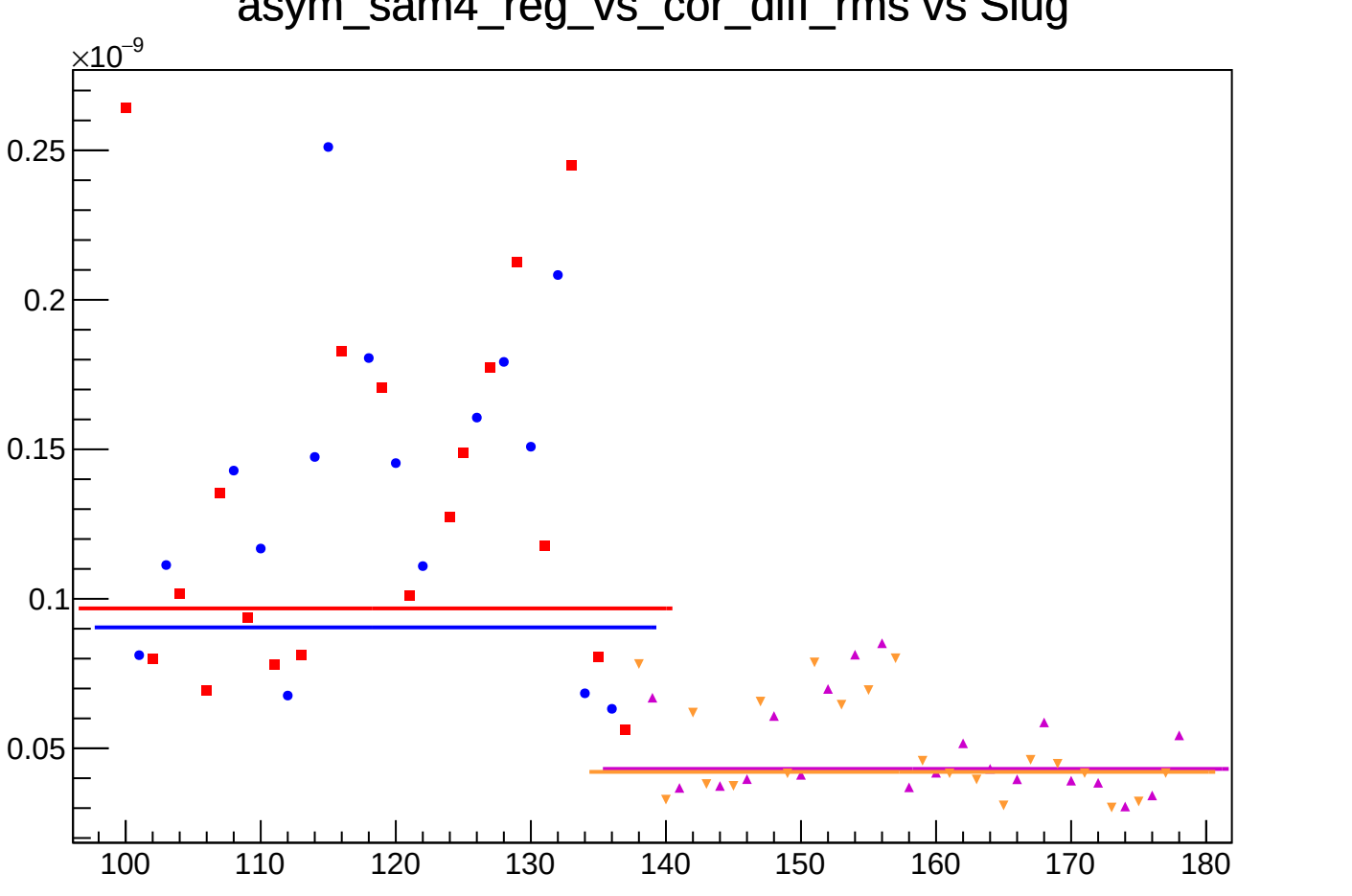
Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:15.7/19

+ sign 0.000+/-0.000 χ^2/NDF: 29.7/36

All: 0.000+/-0.000 χ^2/NDF: 69.0/75

- sign 0.000+/-0.000 χ^2/NDF: 39.2/38



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1136756.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

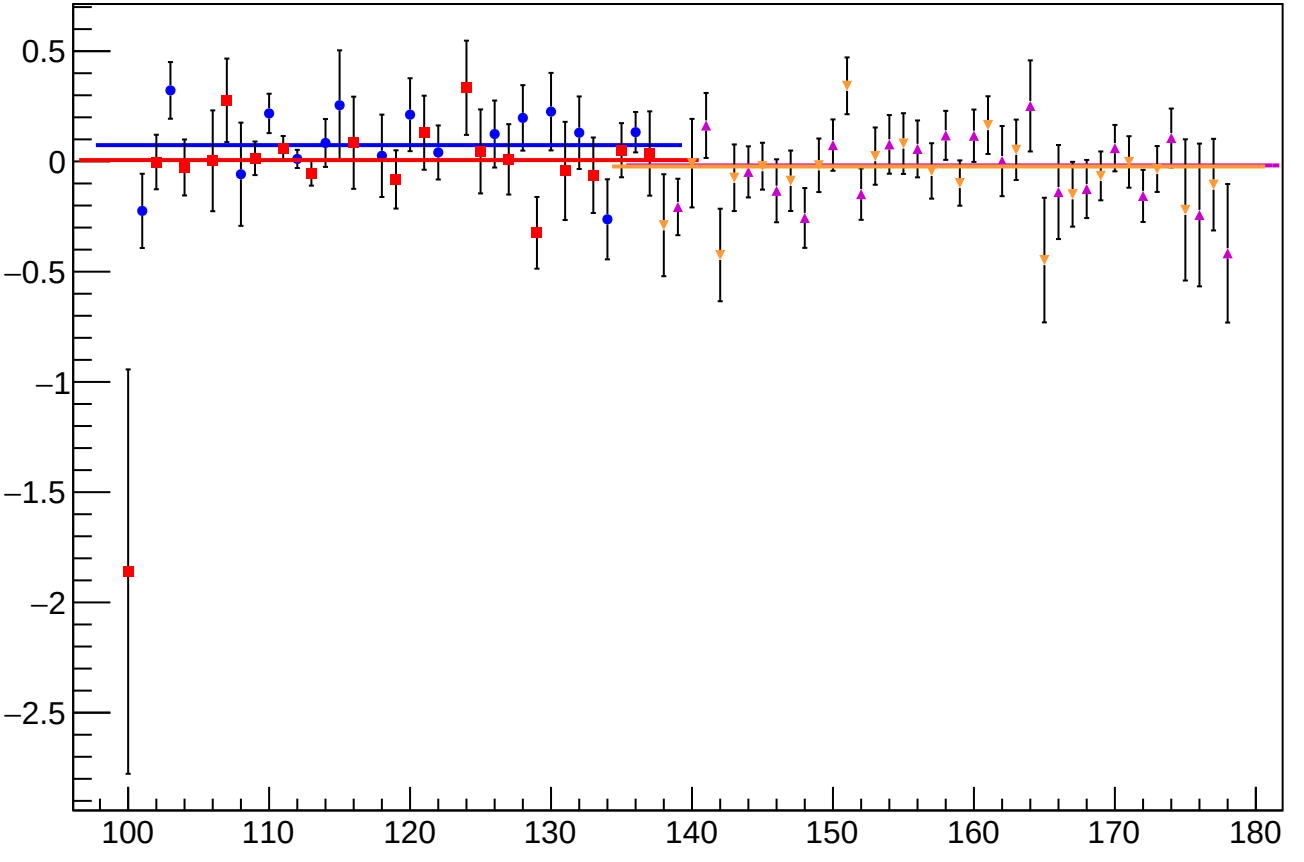
Left In: 0.000+/-0.000 χ^2/NDF:924323.6/19

+ sign 0.000+/-0.000 χ^2/NDF: 3598979.8/36

All: 0.000+/-0.000 χ^2/NDF: 7056353.9/75

- sign 0.000+/-0.000 χ^2/NDF: 3448987.5/38

asym_sam4_dit_vs_cor_diff_mean vs Slug



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.023+/-0.030 χ^2/NDF:20.7/20

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

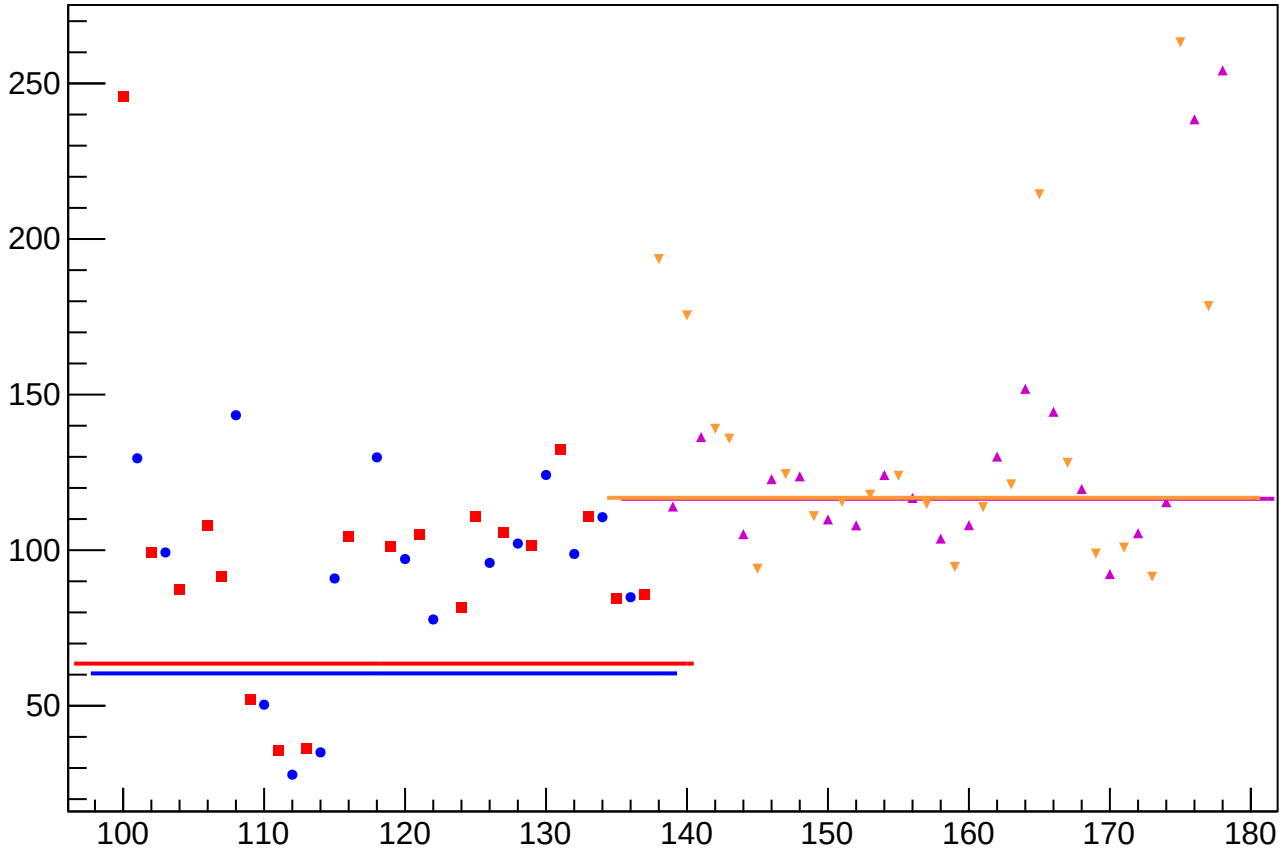
Left In: -0.018+/-0.030 χ^2/NDF:20.6/19

+ sign 0.031+/-0.020 χ^2/NDF: 45.4/36

All: 0.013+/-0.014 χ^2/NDF: 84.3/75

- sign -0.004+/-0.020 χ^2/NDF: 37.3/38

asym_sam4_dit_vs_cor_diff_rms vs Slug



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 116.839+/-0.021 χ^2/NDF:1702296.1/20

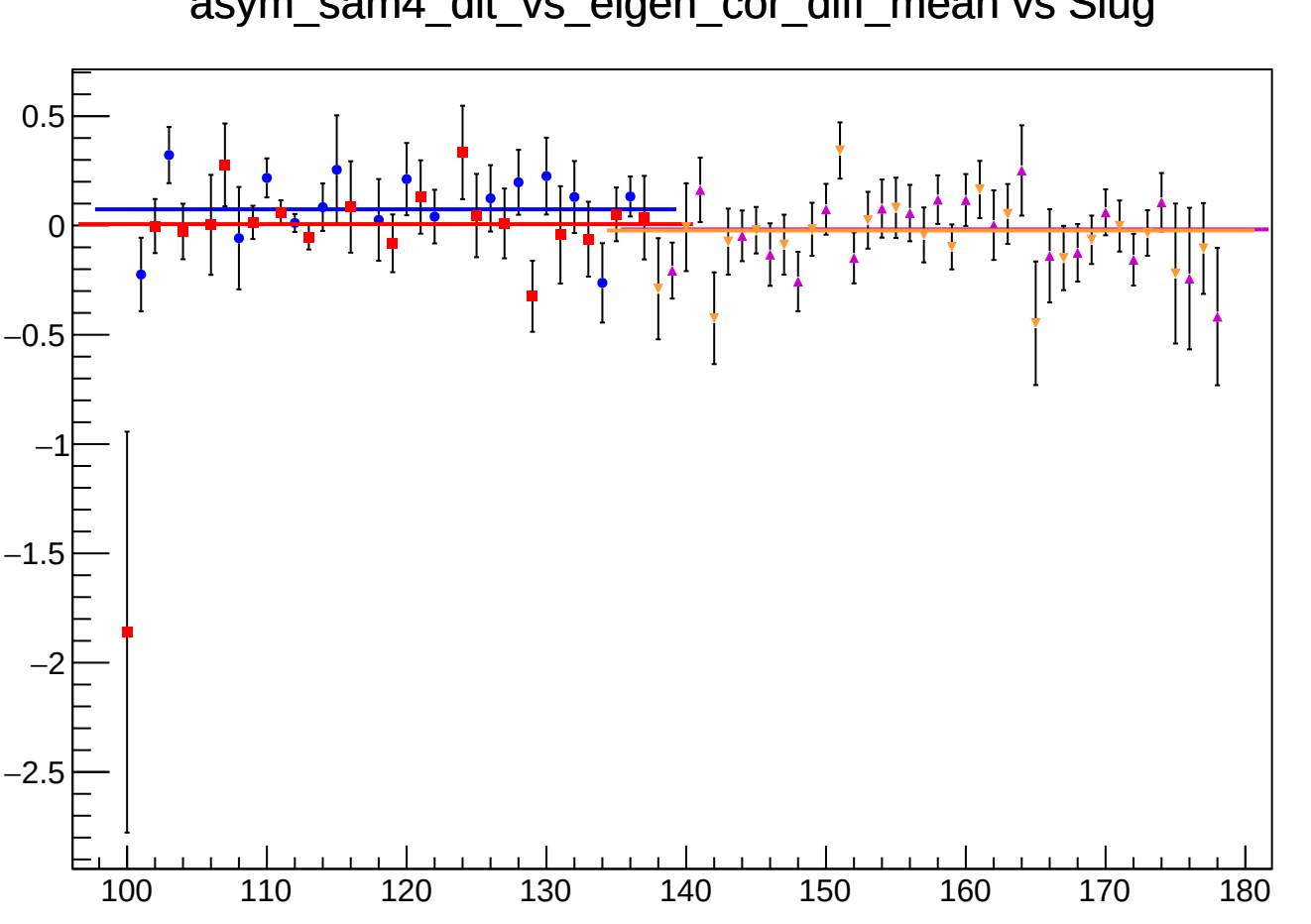
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 116.518+/-0.022 χ^2/NDF:1025865.2/19

+ sign 85.535+/-0.014 χ^2/NDF: 9128601.1/36

All: 86.132+/-0.010 χ^2/NDF: 16222974.8/75

- sign 86.730+/-0.014 χ^2/NDF: 7090845.6/38



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.023+/-0.030 χ^2/NDF:20.7/20

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

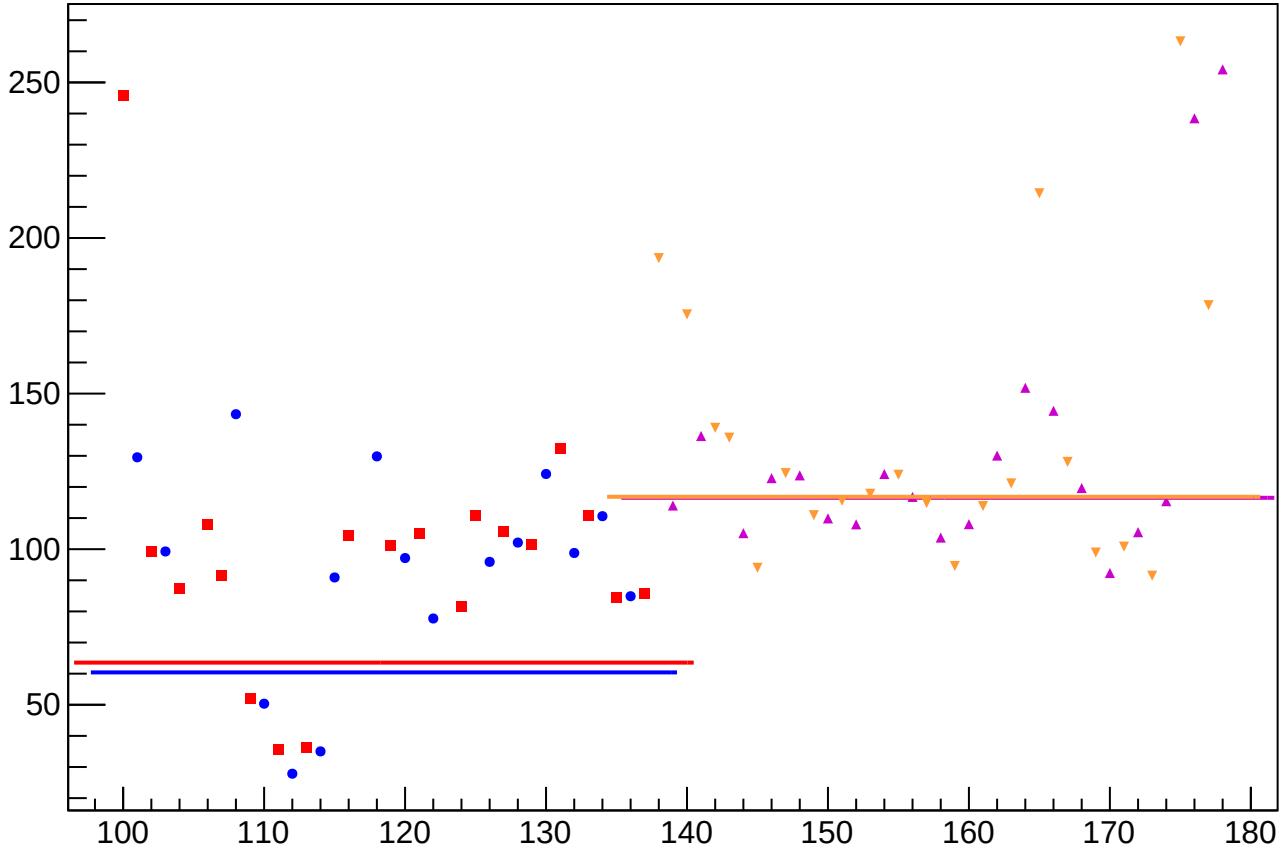
Left In: -0.018+/-0.030 χ^2/NDF:20.6/19

+ sign 0.031+/-0.020 χ^2/NDF: 45.4/36

All: 0.013+/-0.014 χ^2/NDF: 84.3/75

- sign -0.004+/-0.020 χ^2/NDF: 37.3/38

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 116.839+/-0.021 χ^2/NDF:1702296.1/20

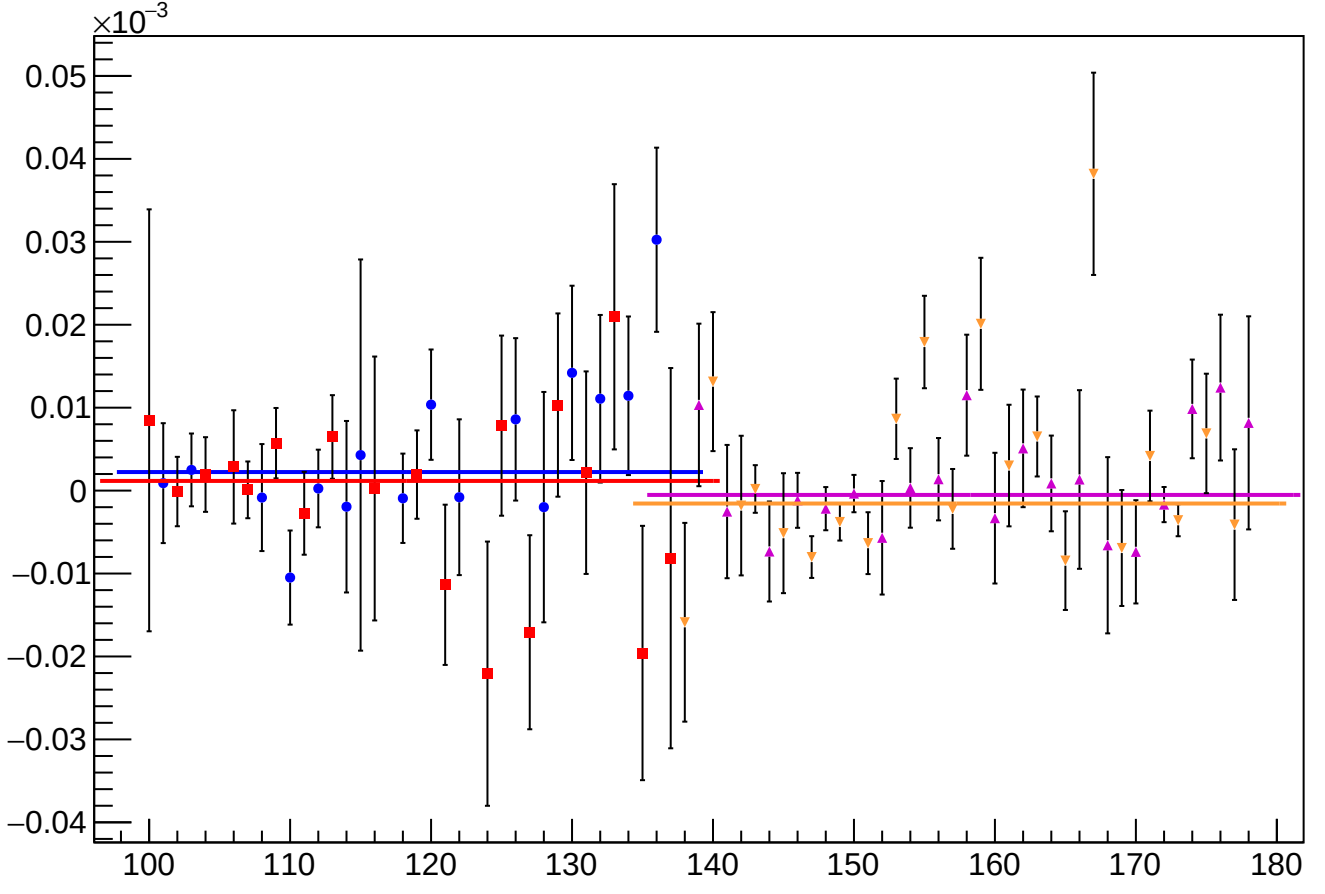
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 116.518+/-0.022 χ^2/NDF:1025865.2/19

+ sign 85.535+/-0.014 χ^2/NDF: 9128601.1/36

All: 86.132+/-0.010 χ^2/NDF: 16222974.8/75

- sign 86.730+/-0.014 χ^2/NDF: 7090845.6/38



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

Left Out: -0.000+/-0.000 χ^2/NDF:57.8/20

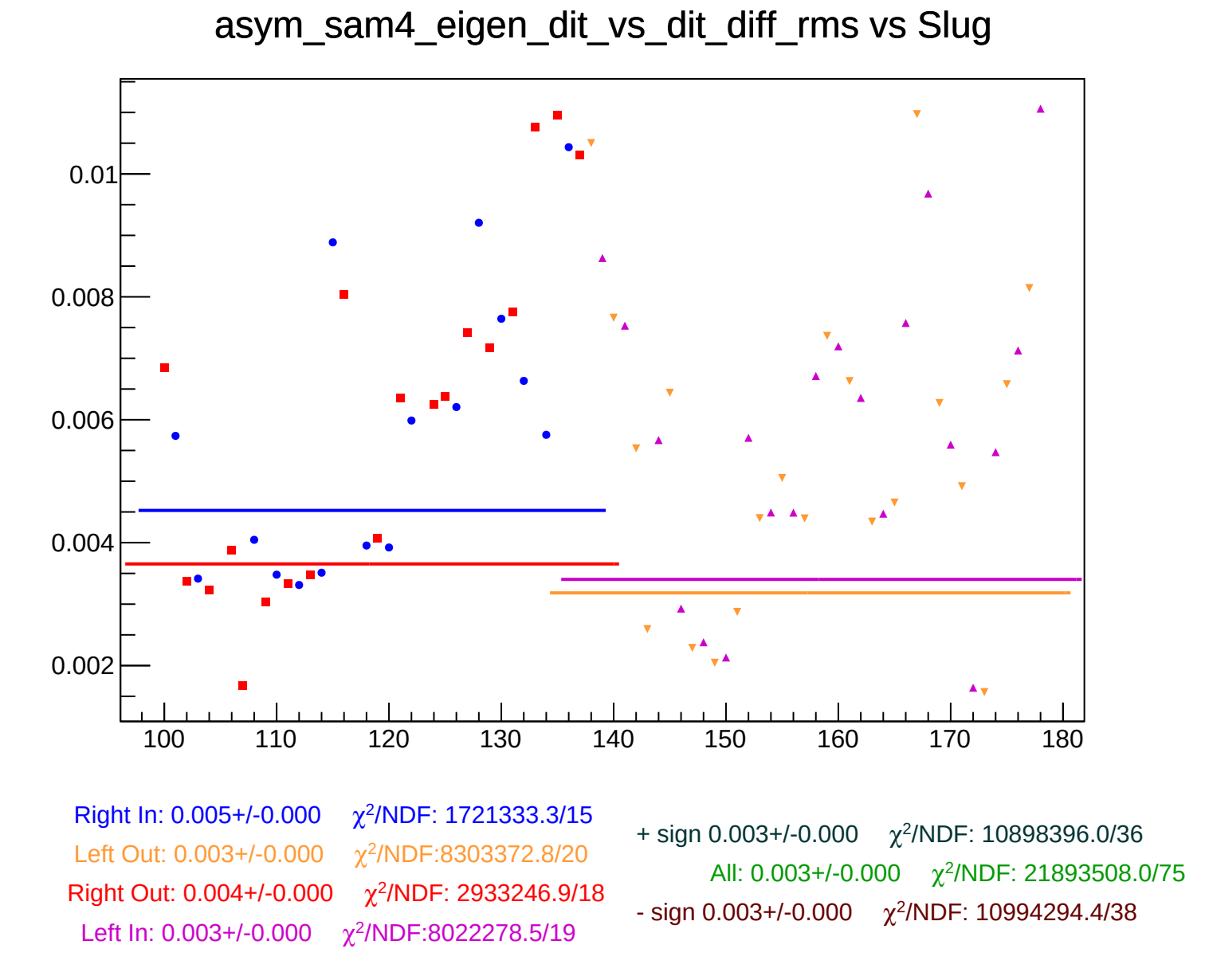
Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

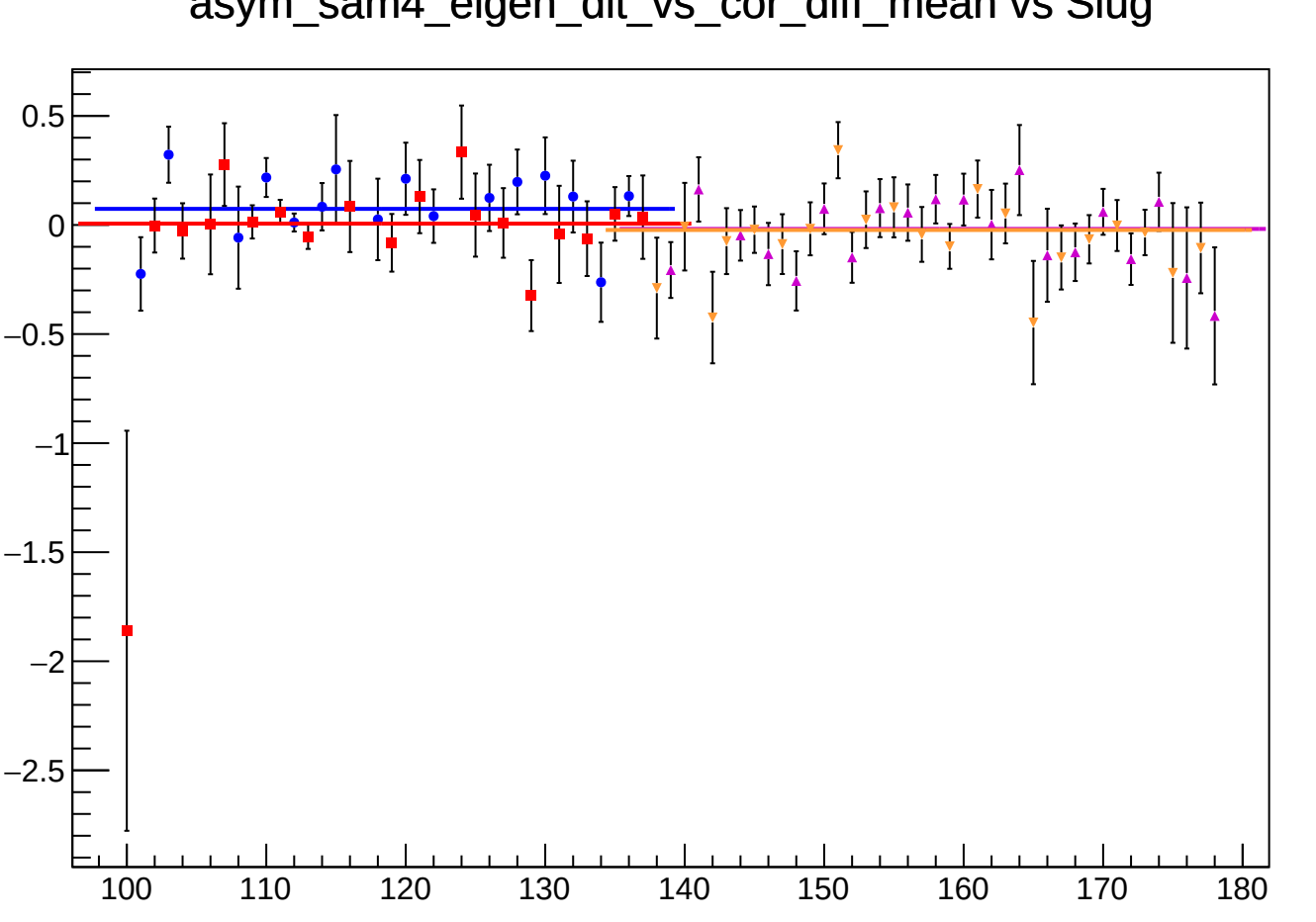
Left In: -0.000+/-0.000 χ^2/NDF:14.8/19

+ sign -0.000+/-0.000 χ^2/NDF: 78.8/36

All: -0.000+/-0.000 χ^2/NDF: 109.0/75

- sign 0.000+/-0.000 χ^2/NDF: 29.8/38


asym_sam4_eigen_dit_vs_dit_diff_rms vs Slug
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
Right In: 0.005+/-0.000 χ²/NDF: 1721333.3/15
Left Out: 0.003+/-0.000 χ²/NDF:8303372.8/20
Right Out: 0.004+/-0.000 χ²/NDF: 2933246.9/18
Left In: 0.003+/-0.000 χ²/NDF:8022278.5/19
+ sign 0.003+/-0.000 χ²/NDF: 10898396.0/36
All: 0.003+/-0.000 χ²/NDF: 21893508.0/75
- sign 0.003+/-0.000 χ²/NDF: 10994294.4/38



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.023+/-0.030 χ^2/NDF:20.7/20

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

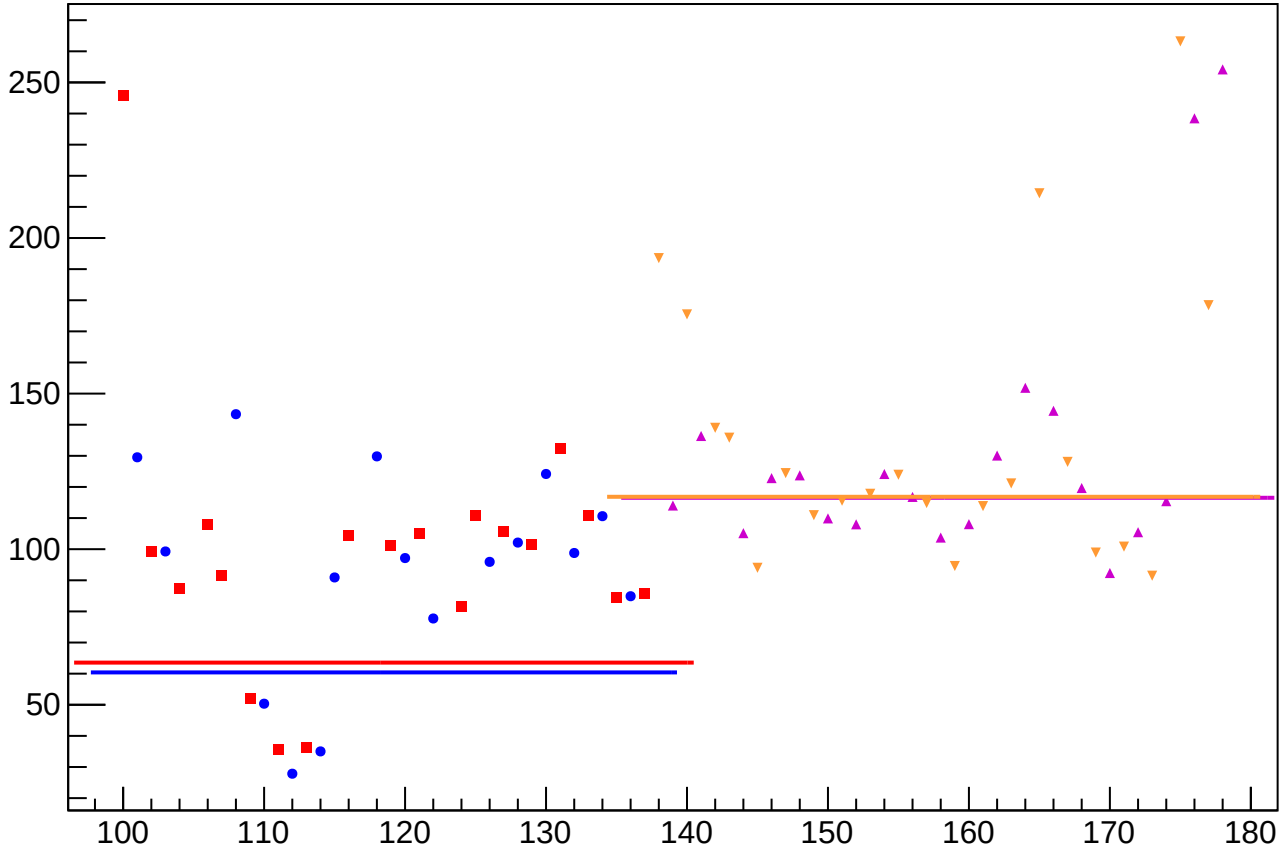
Left In: -0.018+/-0.030 χ^2/NDF:20.6/19

+ sign 0.031+/-0.020 χ^2/NDF: 45.4/36

All: 0.013+/-0.014 χ^2/NDF: 84.3/75

- sign -0.004+/-0.020 χ^2/NDF: 37.3/38

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 116.840+/-0.021 χ^2/NDF:1702243.6/20

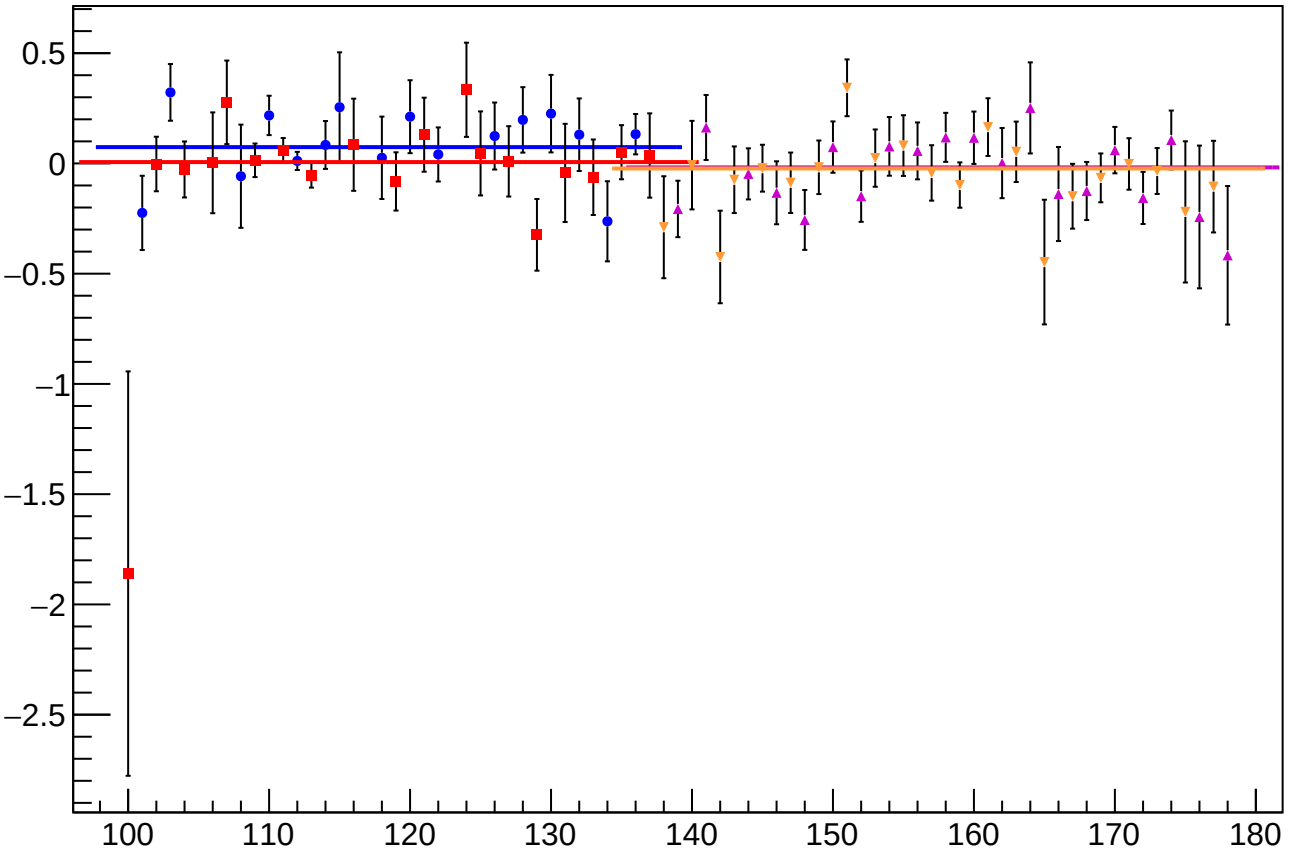
Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 116.519+/-0.022 χ^2/NDF:1025822.2/19

\+ sign 85.533+/-0.014 χ^2/NDF: 9129269.5/36

All: 86.131+/-0.010 χ^2/NDF: 16224243.9/75

\- sign 86.729+/-0.014 χ^2/NDF: 7091444.6/38



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.023+/-0.030 χ^2/NDF:20.7/20

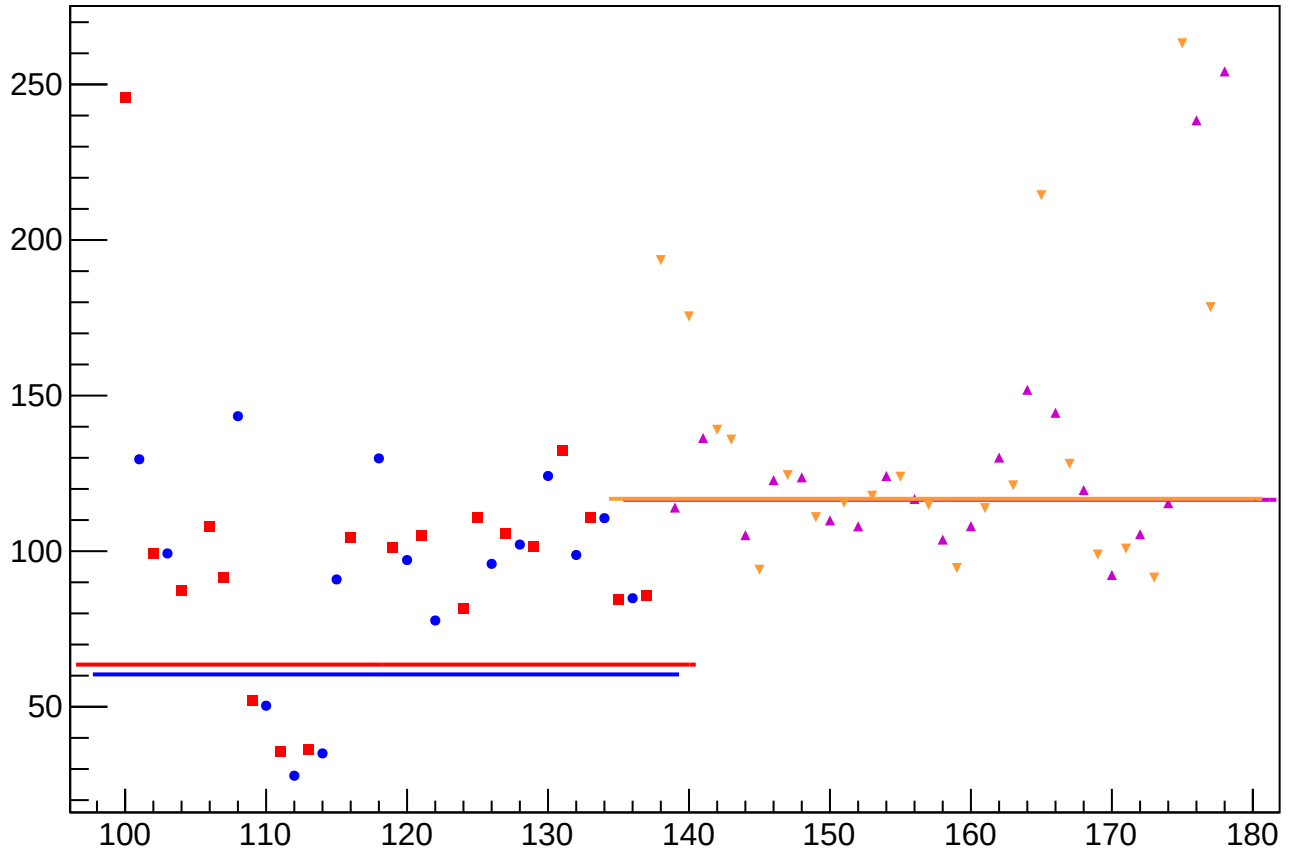
Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: -0.018+/-0.030 χ^2/NDF:20.6/19

+ sign 0.031+/-0.020 χ^2/NDF: 45.4/36

All: 0.013+/-0.014 χ^2/NDF: 84.3/75

- sign -0.004+/-0.020 χ^2/NDF: 37.3/38



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 116.840+/-0.021 χ^2/NDF:1702243.6/20

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

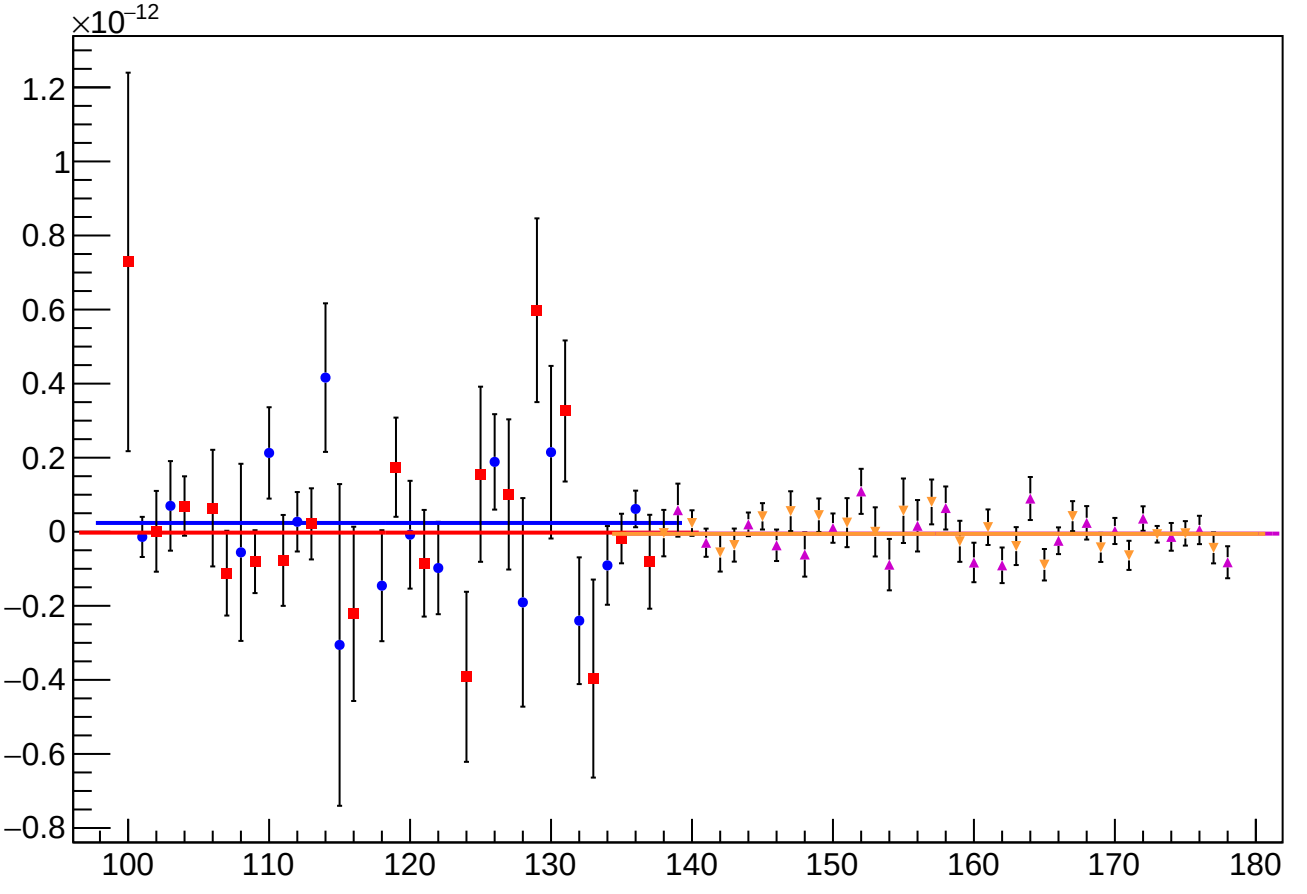
Left In: 116.519+/-0.022 χ^2/NDF:1025822.2/19

+ sign 85.533+/-0.014 χ^2/NDF: 9129269.5/36

All: 86.131+/-0.010 χ^2/NDF: 16224243.9/75

- sign 86.729+/-0.014 χ^2/NDF: 7091444.6/38

asym_sam4_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/20

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

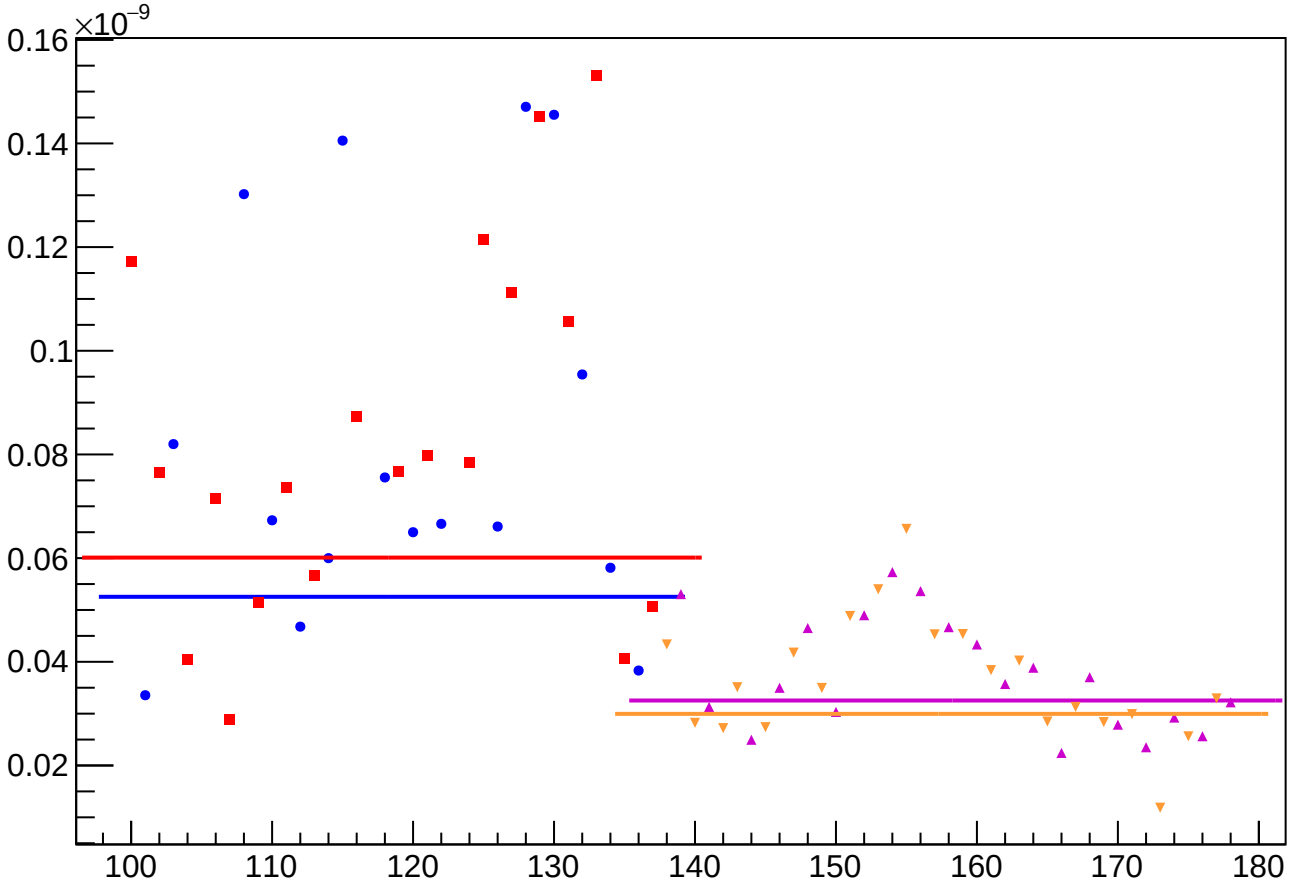
Left In: -0.000+/-0.000 χ^2/NDF:23.4/19

+ sign -0.000+/-0.000 χ^2/NDF: 36.9/36

All: -0.000+/-0.000 χ^2/NDF: 83.6/75

- sign -0.000+/-0.000 χ^2/NDF: 46.6/38

asym_sam4_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2799955.8/20

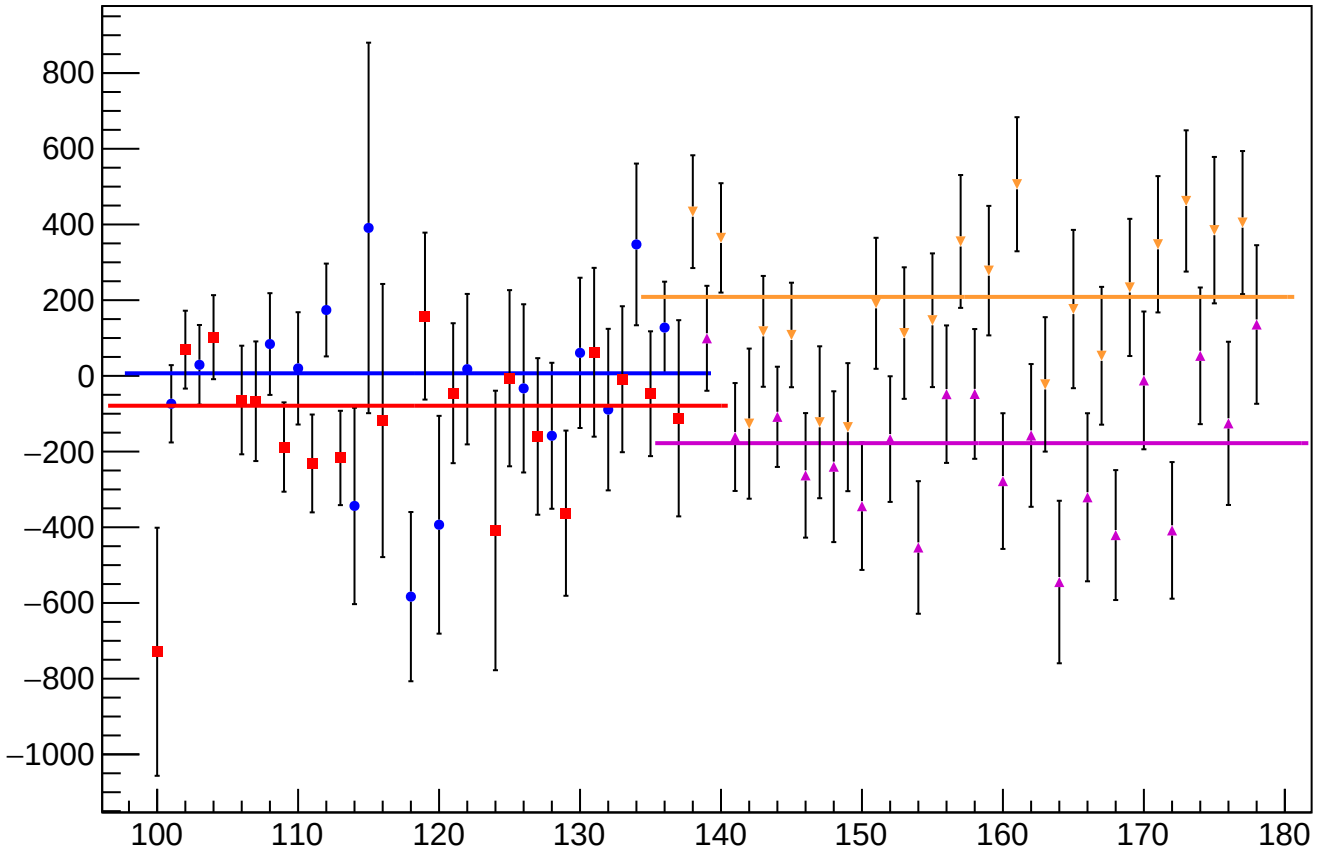
Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1660048.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 5768814.6/36

All: 0.000+/-0.000 χ^2/NDF: 10705562.9/75

- sign 0.000+/-0.000 χ^2/NDF: 4832775.3/38



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 208.663+/-37.696 χ^2/NDF:25.0/20

Right Out: -78.883+/-37.906 χ^2/NDF: 16.7/18

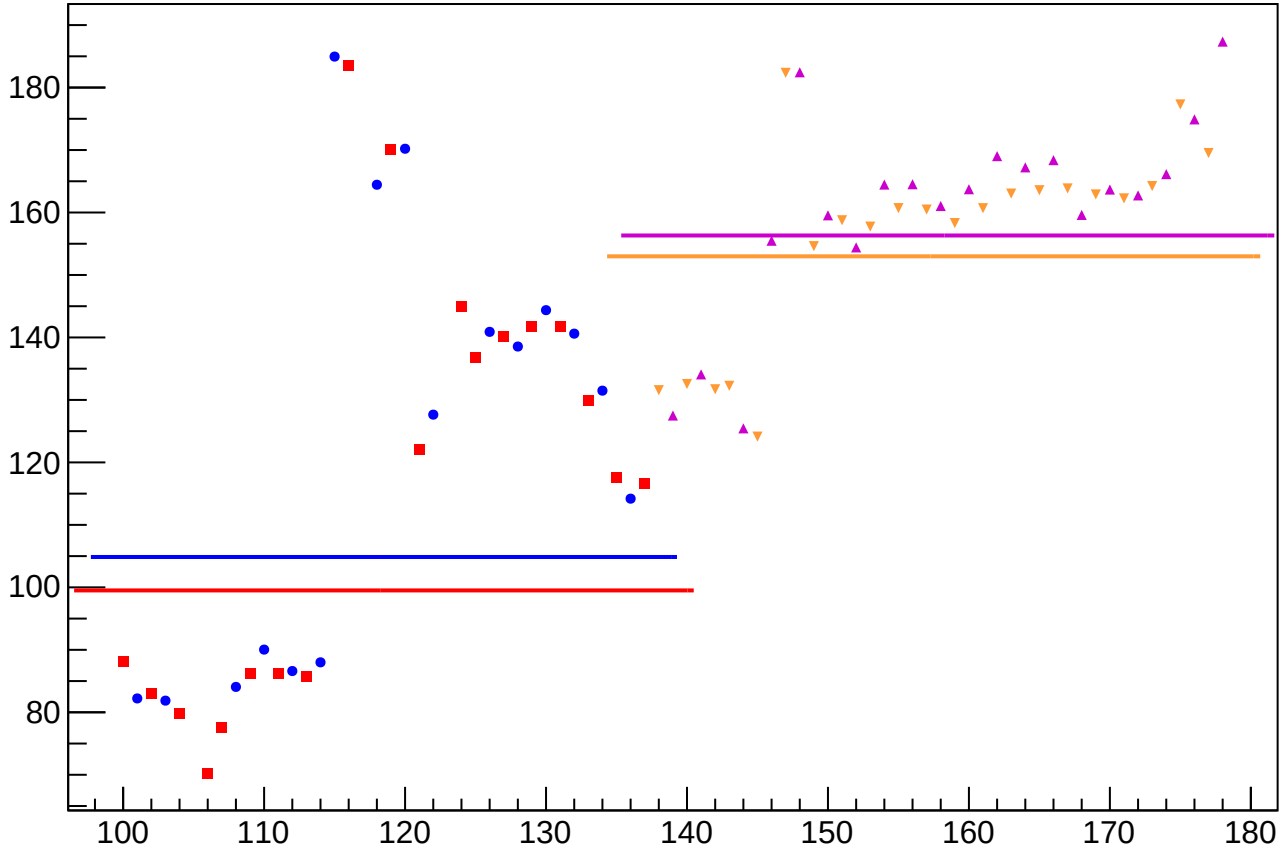
Left In: -177.778+/-38.928 χ^2/NDF:21.2/19

+ sign 114.600+/-27.547 χ^2/NDF: 57.2/36

All: -7.925+/-19.339 χ^2/NDF: 137.4/75

- sign -127.015+/-27.158 χ^2/NDF: 41.2/38

reg_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 152.986+/-0.027 χ^2/NDF:375810.4/20

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

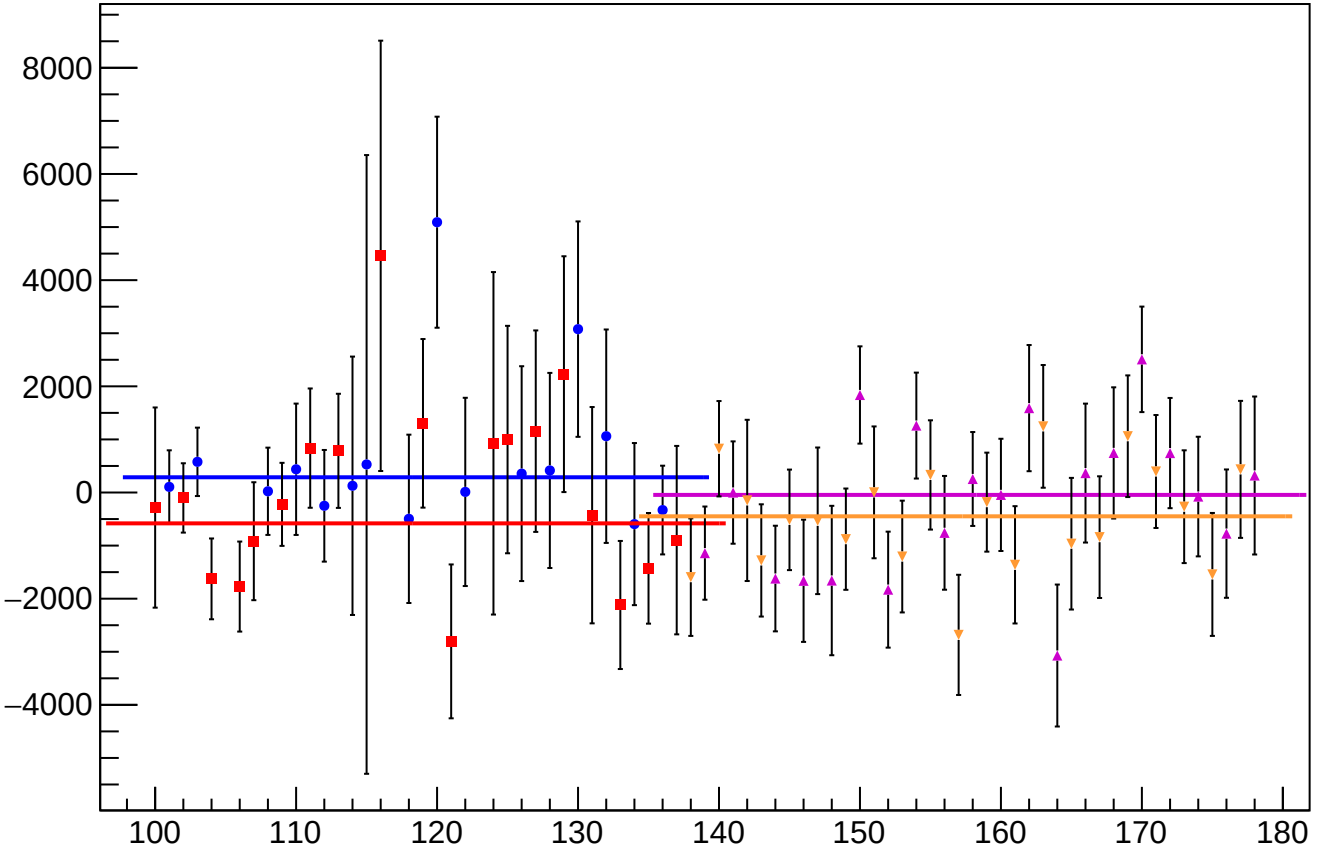
Left In: 156.322+/-0.028 χ^2/NDF:383893.2/19

+ sign 130.559+/-0.019 χ^2/NDF: 2826150.1/36

All: 128.835+/-0.014 χ^2/NDF: 6451254.9/75

- sign 127.159+/-0.019 χ^2/NDF: 3609652.0/38

asym_sam5_reg_correction_mean vs Slug



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -448.397+/-239.689 χ^2/NDF:16.0/20

Right Out: -581.217+/-269.775 χ^2/NDF: 18.8/18

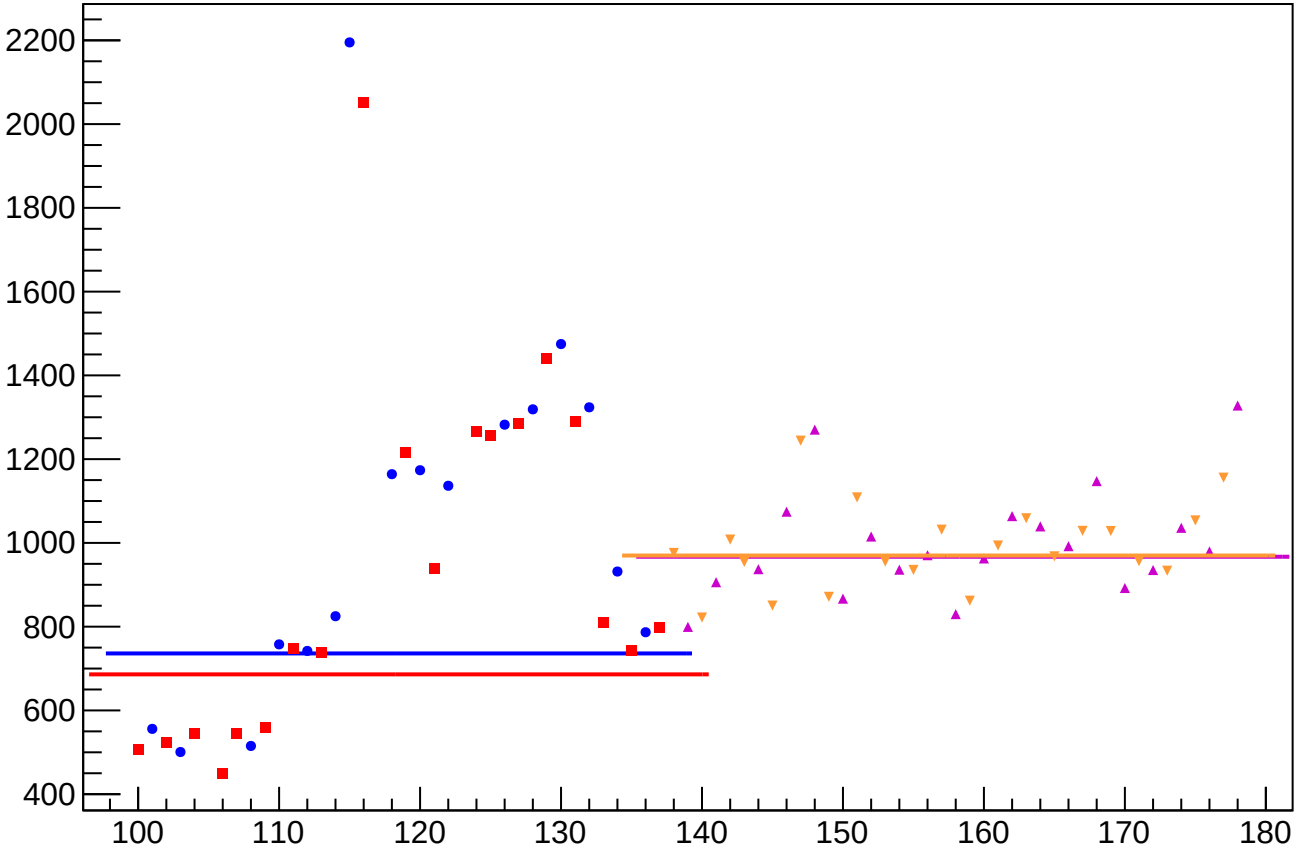
Left In: -45.160+/-241.877 χ^2/NDF:31.6/19

+ sign -154.171+/-185.641 χ^2/NDF: 29.5/36

All: -221.079+/-129.261 χ^2/NDF: 82.3/75

- sign -284.046+/-180.091 χ^2/NDF: 52.6/38

asym_sam5_reg_correction_rms vs Slug



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 969.861+/-0.169 χ^2/NDF:326493.7/20

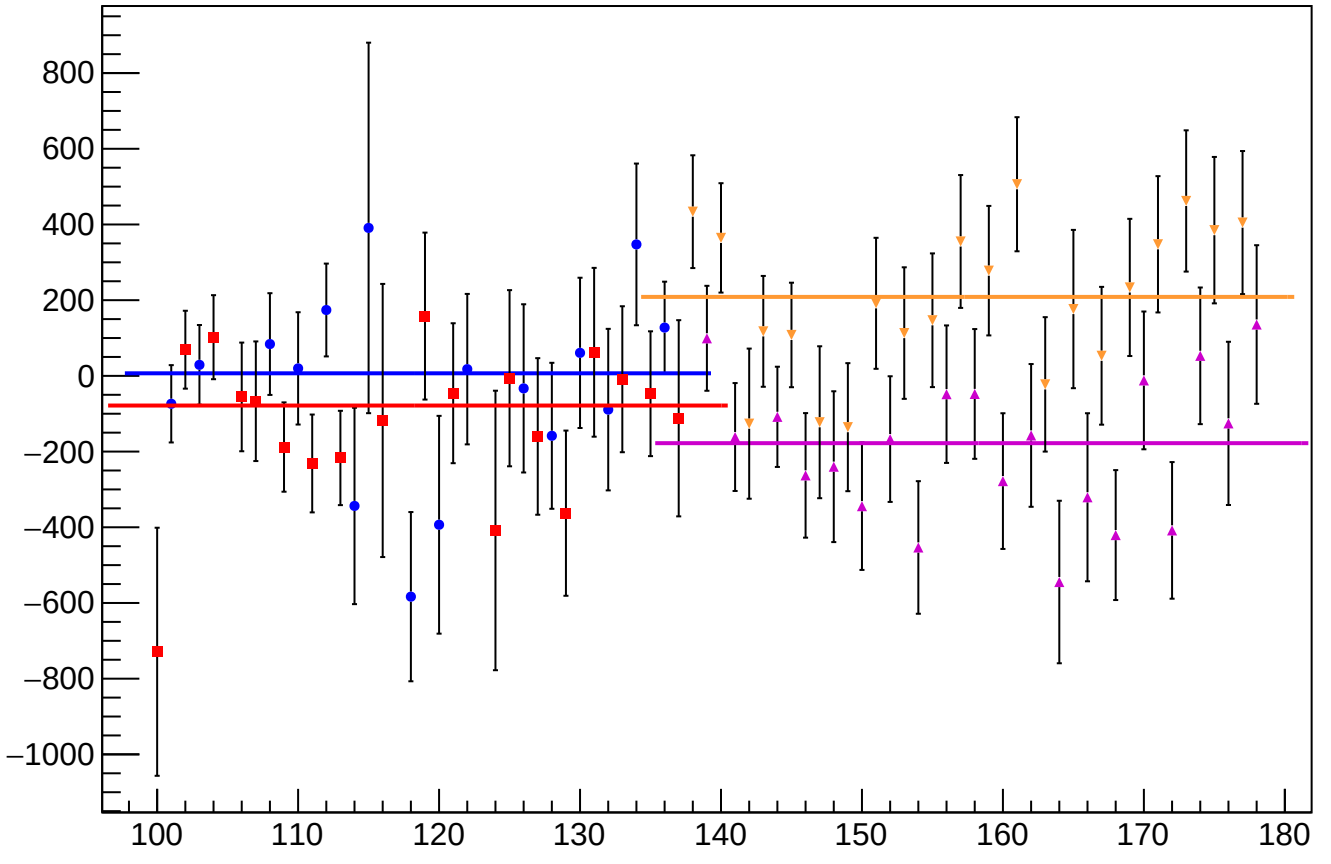
Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

Left In: 966.958+/-0.171 χ^2/NDF:472029.1/19

+ sign 876.318+/-0.131 χ^2/NDF: 2932276.0/36

All: 858.536+/-0.091 χ^2/NDF: 6460729.0/75

- sign 841.801+/-0.127 χ^2/NDF: 3492832.8/38



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 208.663+/-37.696 χ^2/NDF:25.0/20

Right Out: -78.347+/-37.909 χ^2/NDF: 16.7/18

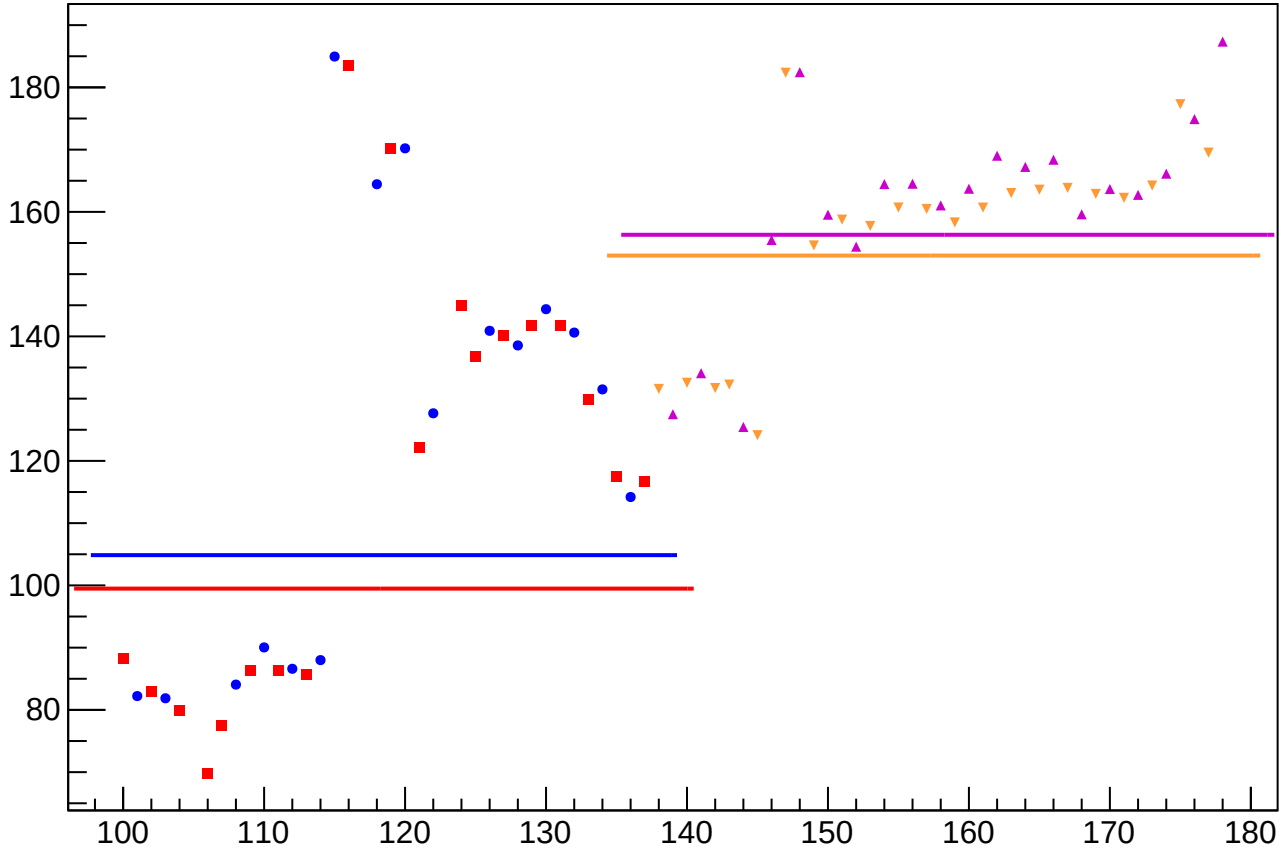
Left In: -177.782+/-38.928 χ^2/NDF:21.2/19

\+ sign 114.595+/-27.547 χ^2/NDF: 57.2/36

All: -7.787+/-19.340 χ^2/NDF: 137.4/75

\- sign -126.746+/-27.159 χ^2/NDF: 41.3/38

cor_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 152.986+/-0.027 χ^2/NDF:375810.4/20

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

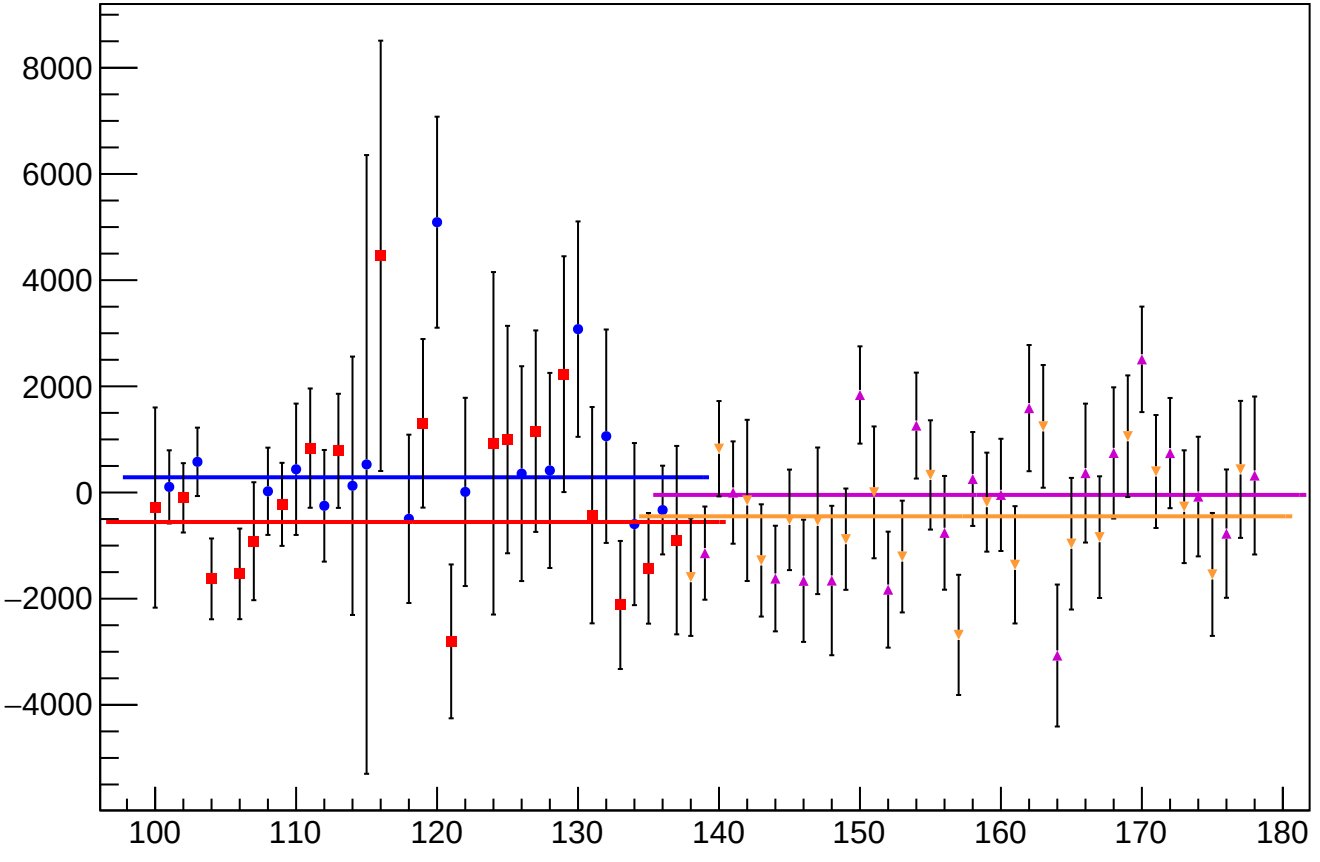
Left In: 156.322+/-0.028 χ^2/NDF:383893.3/19

+ sign 130.559+/-0.019 χ^2/NDF: 2826148.2/36

All: 128.830+/-0.014 χ^2/NDF: 6455221.4/75

- sign 127.149+/-0.019 χ^2/NDF: 3613527.4/38

asym_sam5_cor_correction_mean vs Slug



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -448.393+/-239.689 χ^2/NDF:16.0/20

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

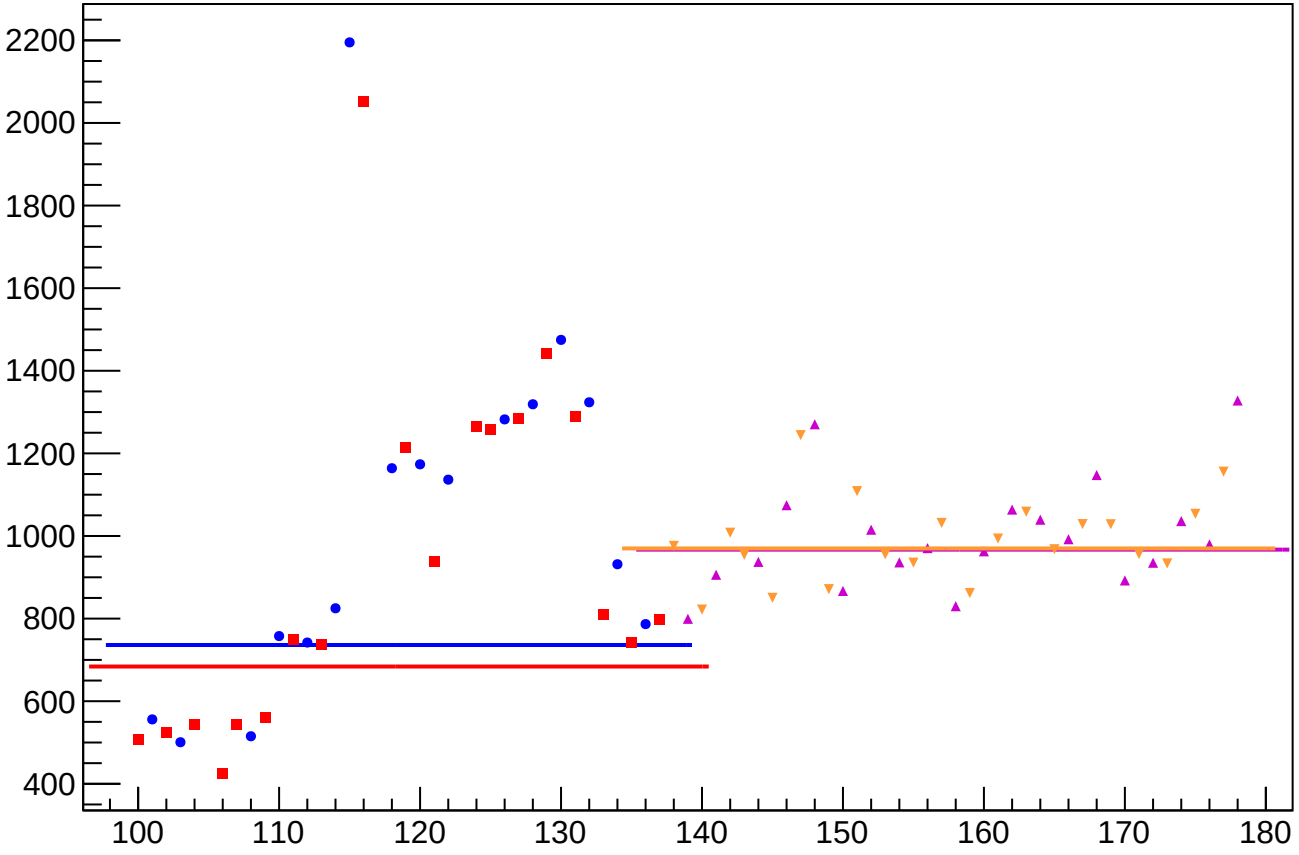
Left In: -45.161+/-241.877 χ^2/NDF:31.6/19

+ sign -154.167+/-185.641 χ^2/NDF: 29.5/36

All: -215.055+/-129.281 χ^2/NDF: 81.4/75

- sign -272.391+/-180.144 χ^2/NDF: 51.7/38

asym_sam5_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 969.862+/-0.169 χ^2/NDF:326491.9/20

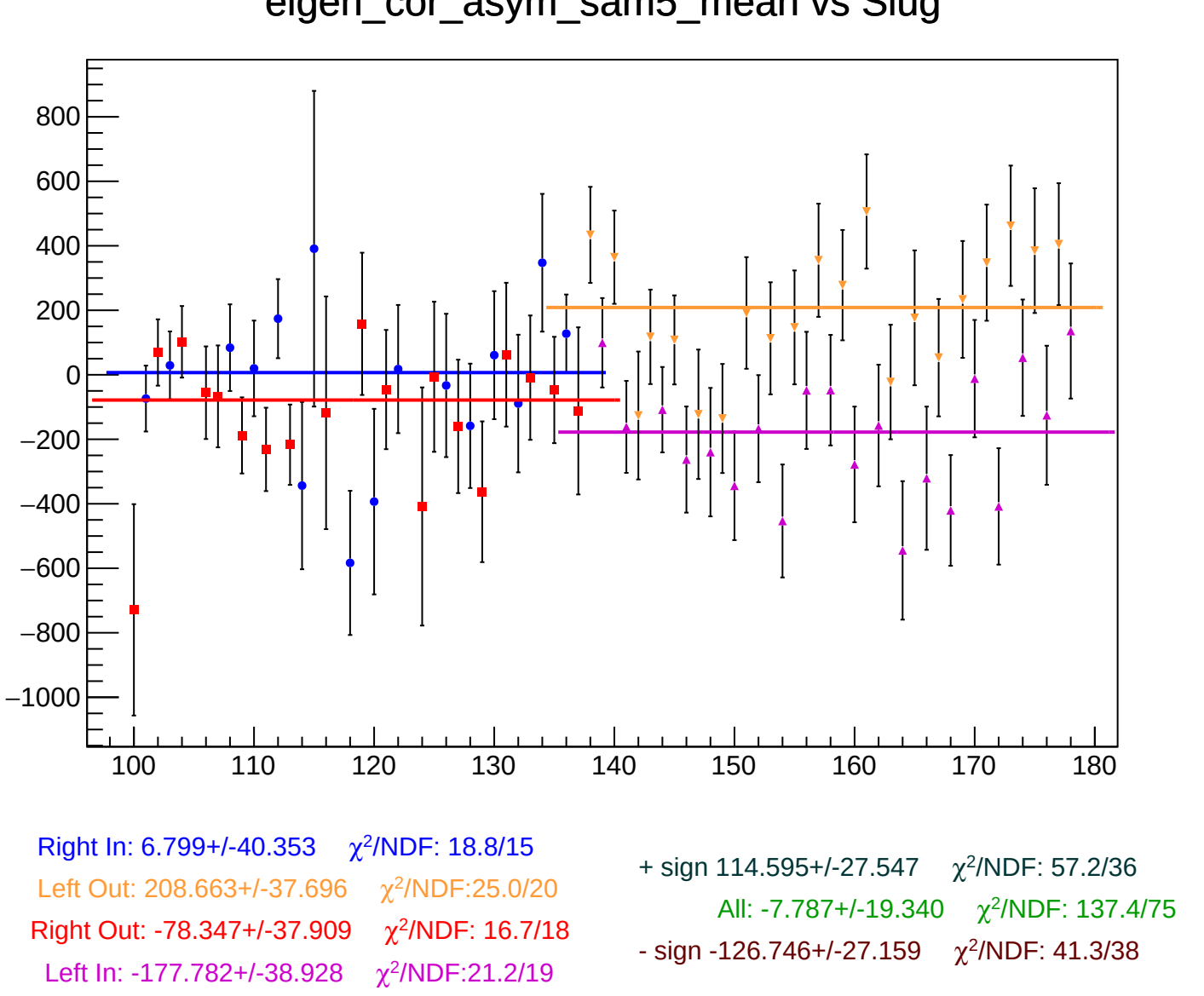
Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 966.958+/-0.171 χ^2/NDF:472032.2/19

+ sign 876.318+/-0.131 χ^2/NDF: 2932282.8/36

All: 858.100+/-0.091 χ^2/NDF: 6511123.4/75

- sign 840.945+/-0.127 χ^2/NDF: 3541443.1/38


eigen_cor_asym_sam5_mean vs Slug
800
600
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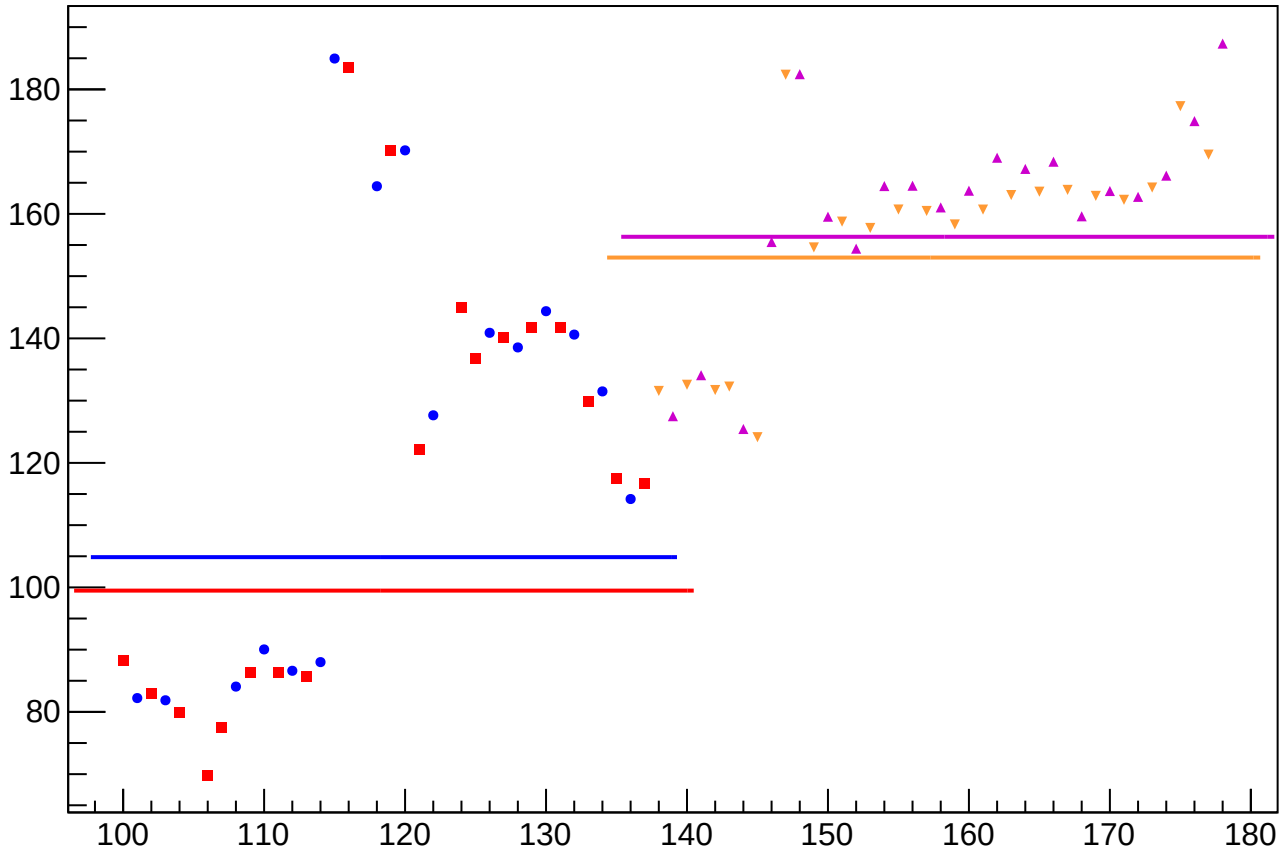
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
160
170
180
Right In: 6.799+/-40.353 χ²/NDF: 18.8/15
Left Out: 208.663+/-37.696 χ²/NDF:25.0/20
Right Out: -78.347+/-37.909 χ²/NDF: 16.7/18
Left In: -177.782+/-38.928 χ²/NDF:21.2/19
+ sign 114.595+/-27.547 χ²/NDF: 57.2/36
All: -7.787+/-19.340 χ²/NDF: 137.4/75
- sign -126.746+/-27.159 χ²/NDF: 41.3/38



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 152.986+/-0.027 χ^2/NDF:375810.4/20

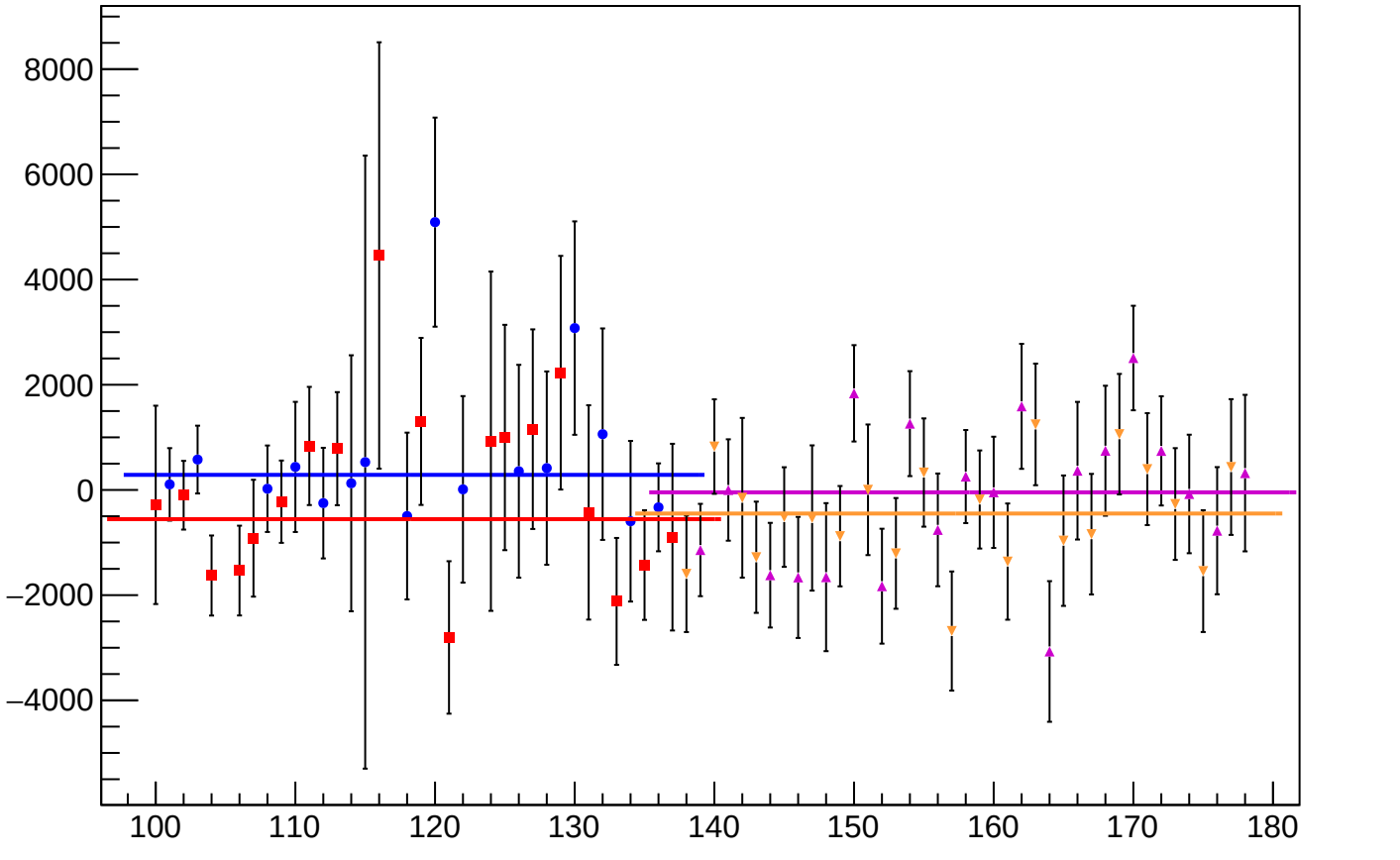
Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 156.322+/-0.028 χ^2/NDF:383893.3/19

+ sign 130.559+/-0.019 χ^2/NDF: 2826148.2/36

All: 128.830+/-0.014 χ^2/NDF: 6455221.4/75

- sign 127.149+/-0.019 χ^2/NDF: 3613527.4/38



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -448.393+/-239.689 χ^2/NDF:16.0/20

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

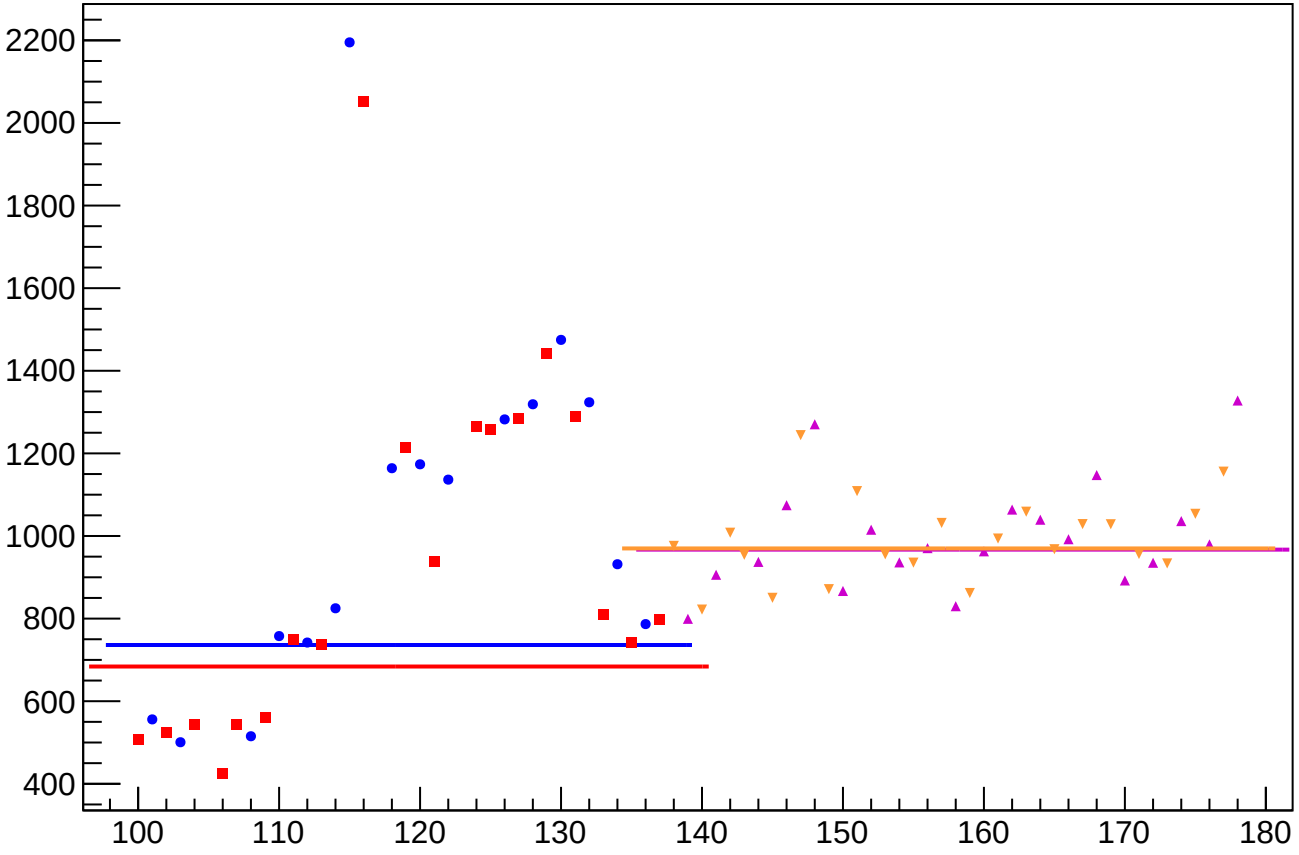
Left In: -45.161+/-241.877 χ^2/NDF:31.6/19

+ sign -154.167+/-185.641 χ^2/NDF: 29.5/36

All: -215.055+/-129.281 χ^2/NDF: 81.4/75

- sign -272.391+/-180.144 χ^2/NDF: 51.7/38

asym_sam5_eigen_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 969.862+/-0.169 χ^2/NDF:326491.9/20

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

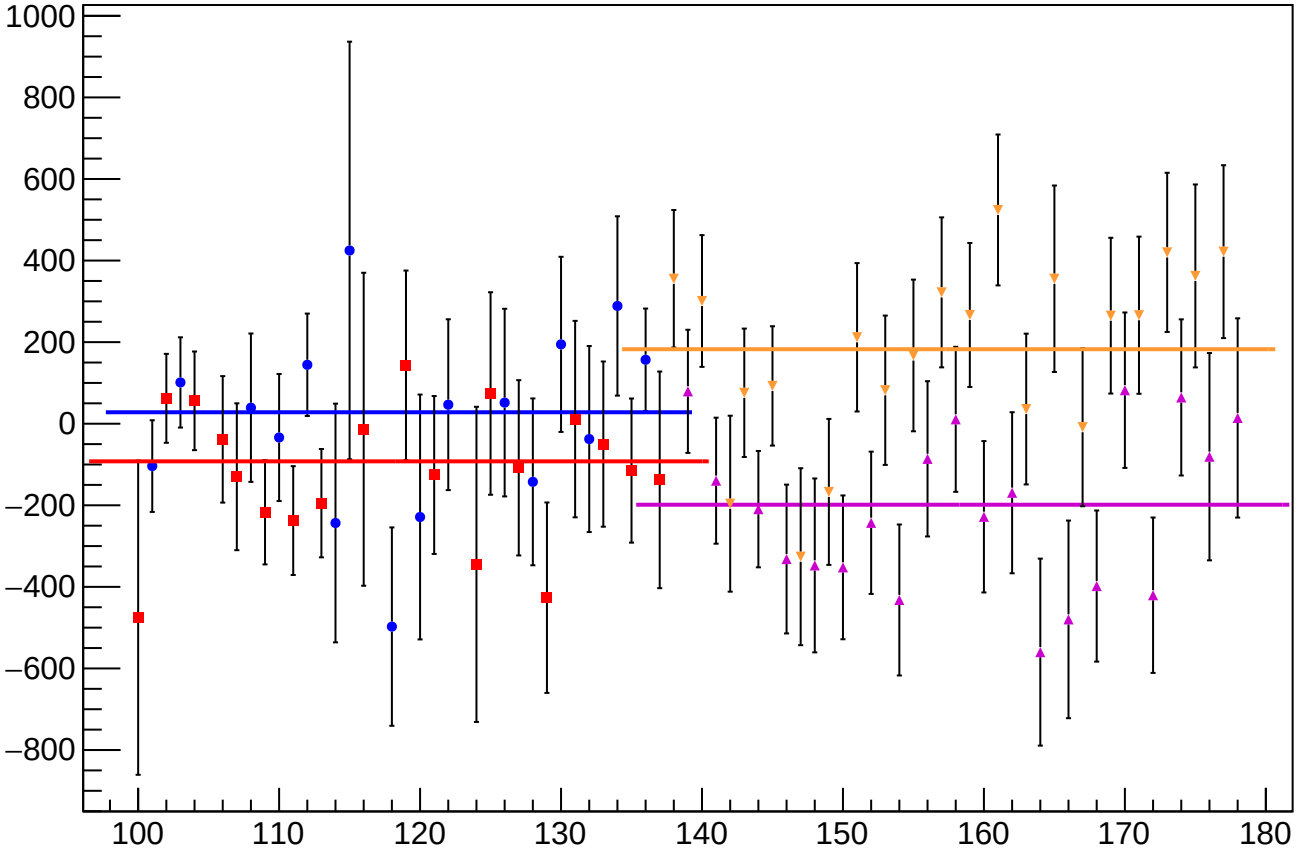
Left In: 966.958+/-0.171 χ^2/NDF:472032.2/19

+ sign 876.318+/-0.131 χ^2/NDF: 2932282.8/36

All: 858.100+/-0.091 χ^2/NDF: 6511123.4/75

- sign 840.945+/-0.127 χ^2/NDF: 3541443.1/38

dit_asym_sam5_mean vs Slug



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 182.672+/-40.415 χ^2/NDF:25.3/20

Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

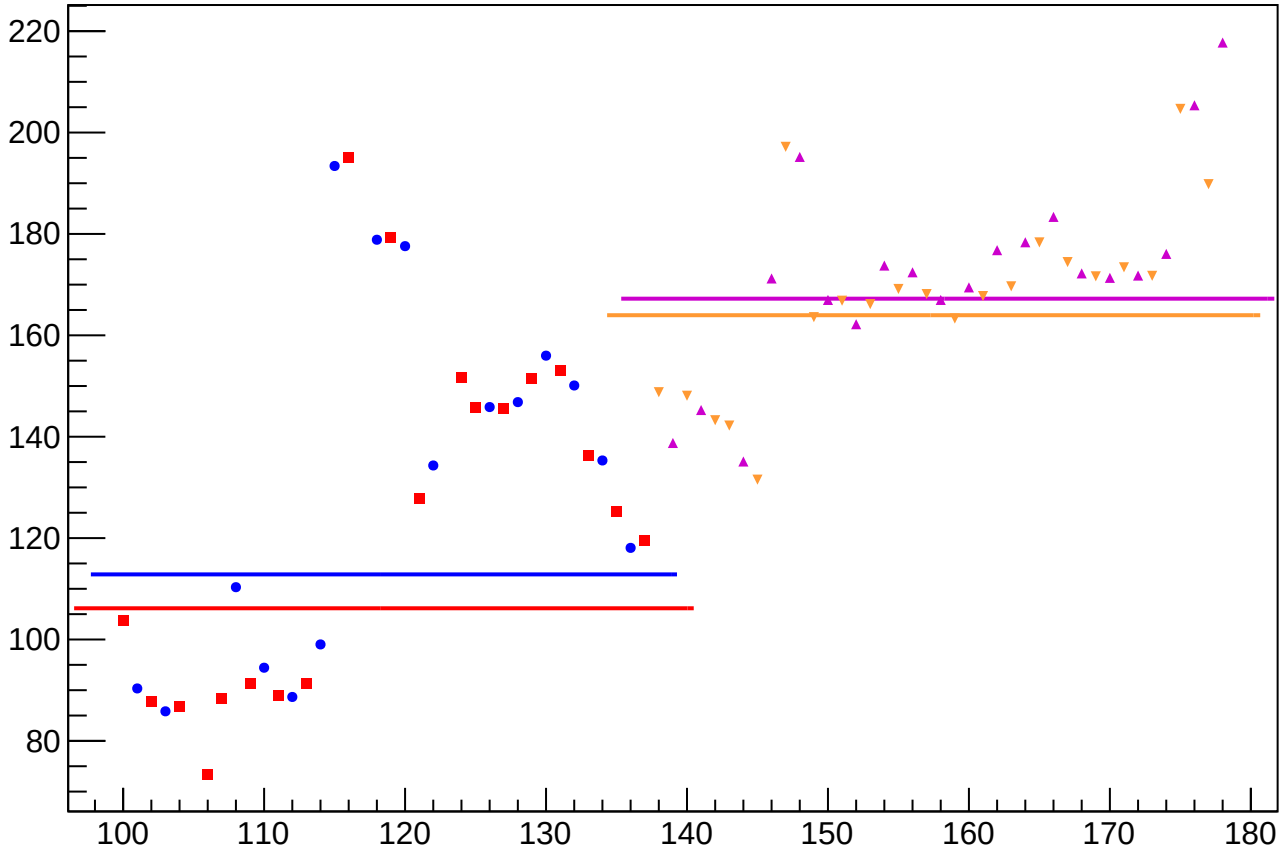
Left In: -198.630+/-41.701 χ^2/NDF:20.1/19

+ sign 110.950+/-29.589 χ^2/NDF: 45.7/36

All: -18.757+/-20.736 χ^2/NDF: 118.6/75

- sign -143.935+/-29.068 χ^2/NDF: 35.2/38

dit_asym_sam5_rms vs Slug



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 163.967+/-0.029 χ^2/NDF:364155.3/20

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

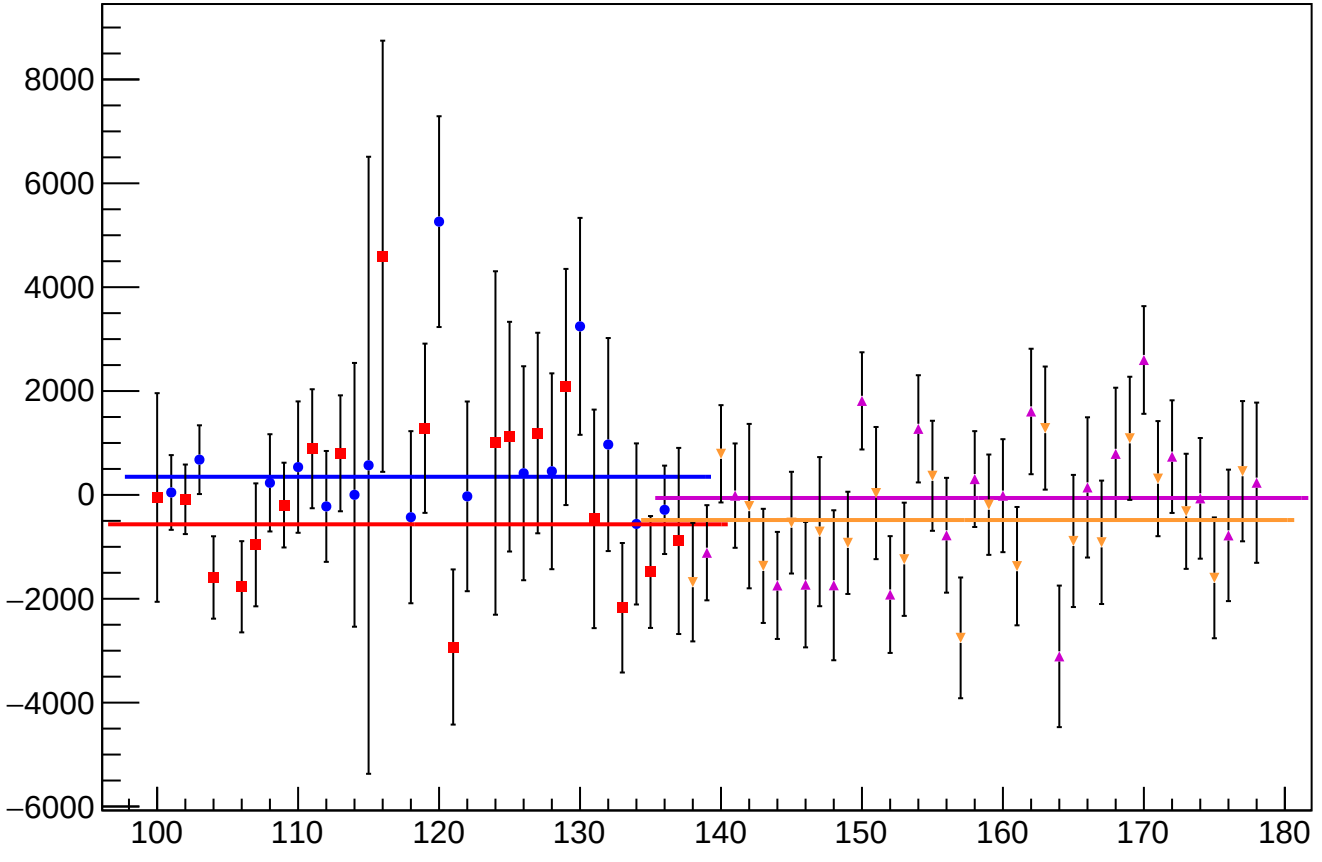
Left In: 167.230+/-0.029 χ^2/NDF:410996.9/19

+ sign 140.246+/-0.021 χ^2/NDF: 2721333.9/36

All: 137.999+/-0.015 χ^2/NDF: 6362487.7/75

- sign 135.831+/-0.021 χ^2/NDF: 3618491.8/38

asym_sam5_dit_correction_mean vs Slug



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -483.887+/-247.762 χ^2/NDF:15.8/20

Right Out: -566.026+/-279.219 χ^2/NDF: 18.3/18

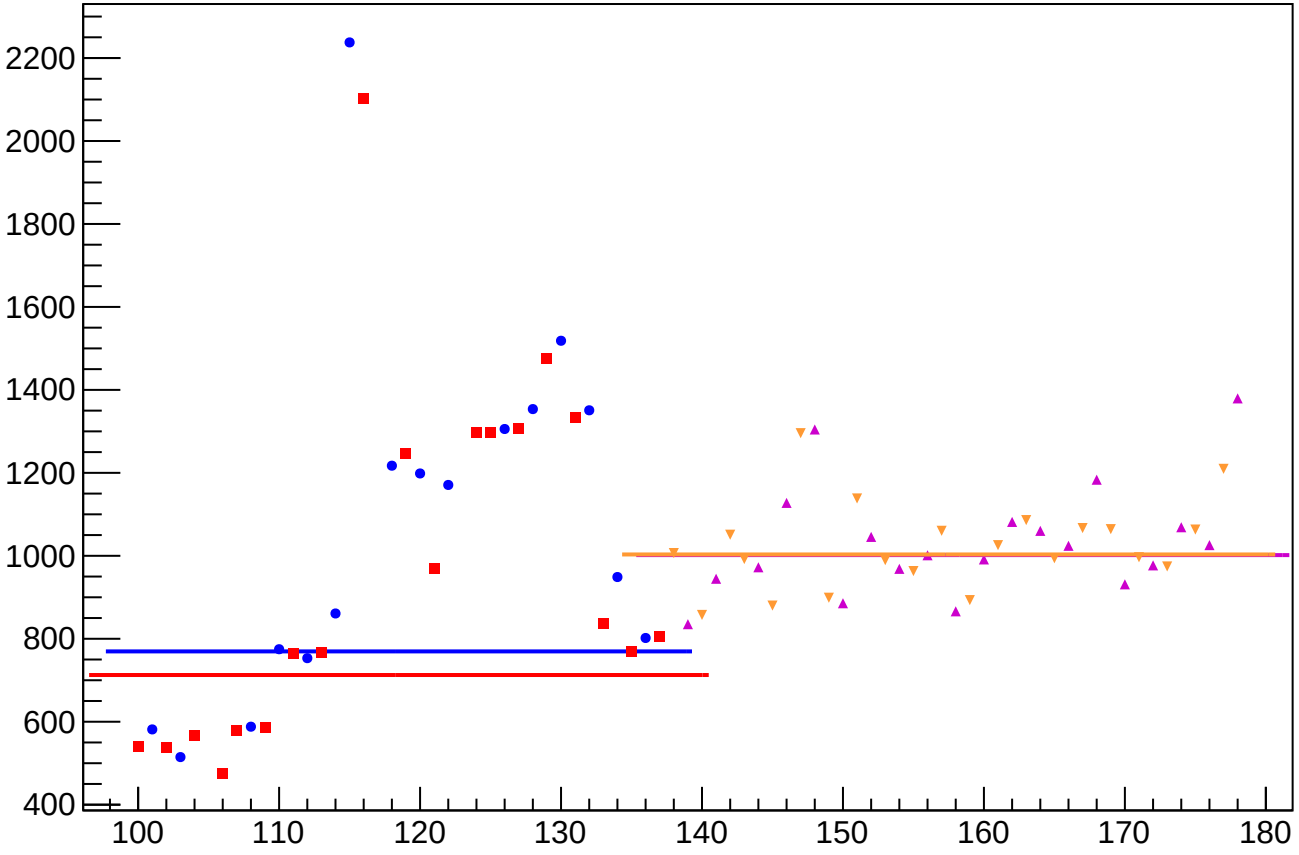
Left In: -59.341+/-250.396 χ^2/NDF:31.1/19

+ sign -153.157+/-192.389 χ^2/NDF: 30.1/36

All: -221.255+/-133.878 χ^2/NDF: 81.6/75

- sign -285.190+/-186.416 χ^2/NDF: 51.2/38

asym_sam5_dit_correction_rms vs Slug



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 1003.257+/-0.175 χ^2/NDF:319142.5/20

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

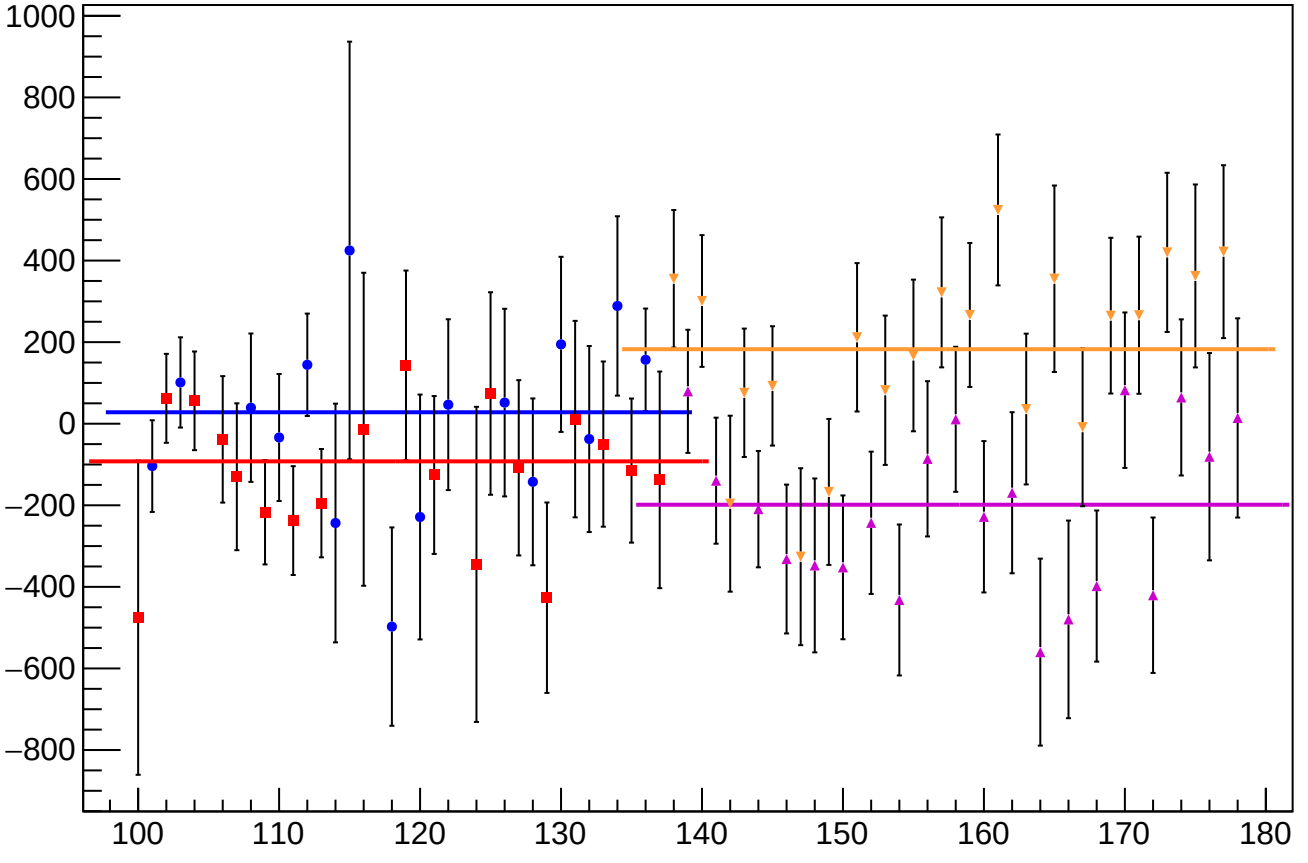
Left In: 1001.699+/-0.177 χ^2/NDF:454343.0/19

+ sign 910.470+/-0.136 χ^2/NDF: 2765570.6/36

All: 891.067+/-0.095 χ^2/NDF: 6214714.5/75

- sign 872.849+/-0.132 χ^2/NDF: 3409699.5/38

eigen_dit_asym_sam5_mean vs Slug



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

Left Out: 182.673+/-40.415 χ^2/NDF:25.3/20

Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

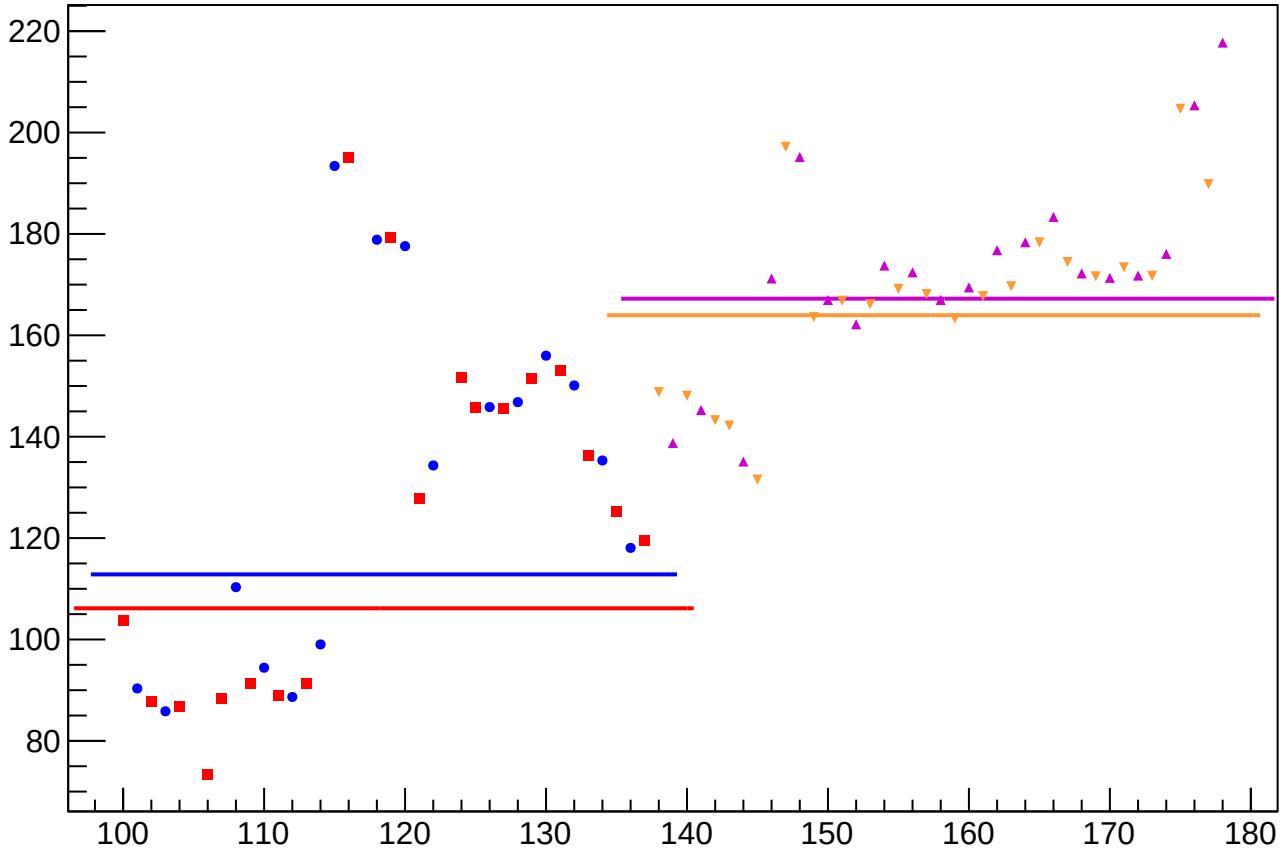
Left In: -198.630+/-41.701 χ^2/NDF:20.1/19

+ sign 110.950+/-29.589 χ^2/NDF: 45.7/36

All: -18.758+/-20.736 χ^2/NDF: 118.6/75

- sign -143.935+/-29.068 χ^2/NDF: 35.2/38

eigen_dit_asym_sam5_rms vs Slug



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 163.967+/-0.029 χ^2/NDF:364151.4/20

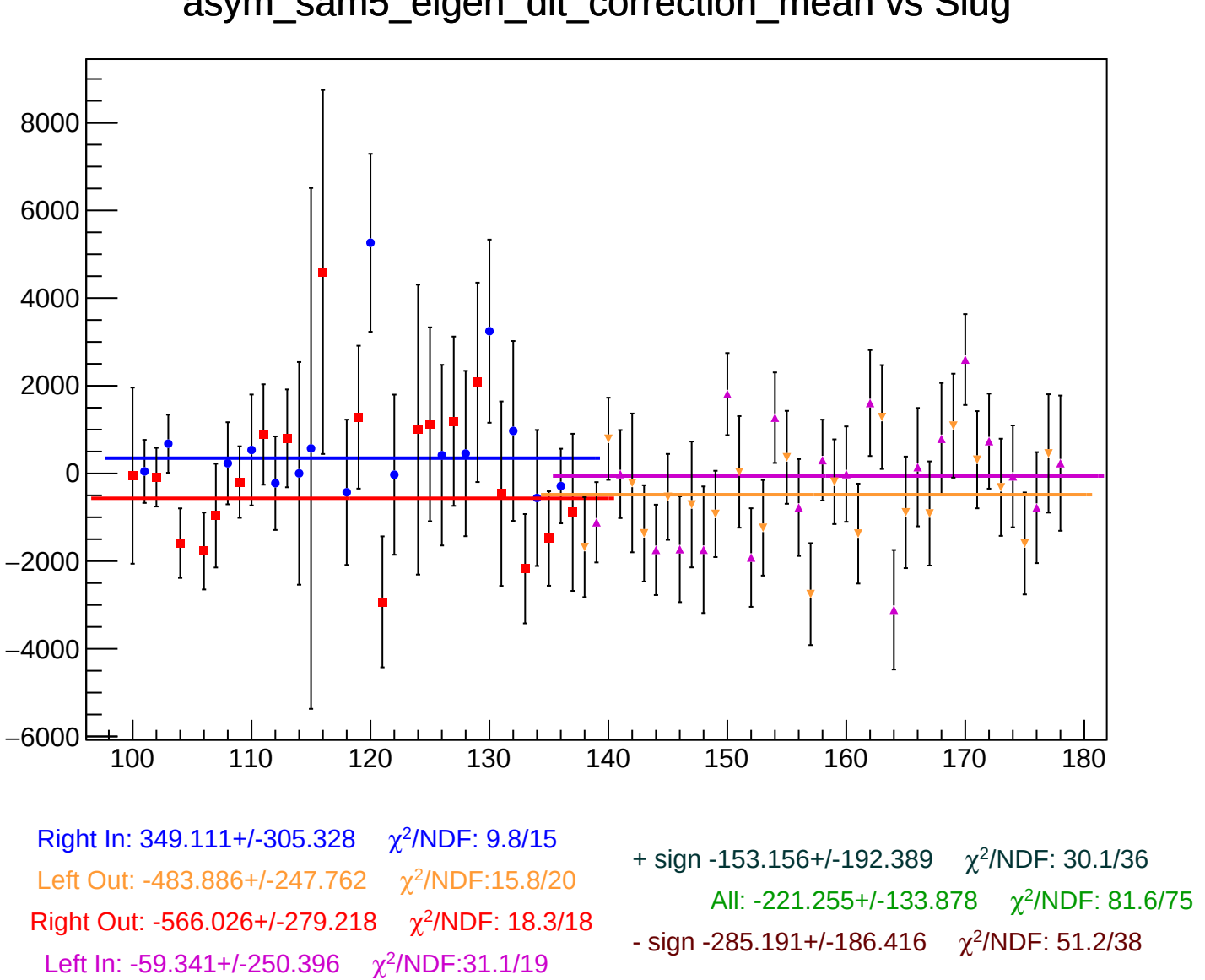
Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

Left In: 167.230+/-0.029 χ^2/NDF:410985.1/19

+ sign 140.246+/-0.021 χ^2/NDF: 2721352.6/36

All: 137.999+/-0.015 χ^2/NDF: 6362518.0/75

- sign 135.831+/-0.021 χ^2/NDF: 3618504.0/38


asym_sam5_eigen_dit_correction_mean vs Slug
8000
6000
4000
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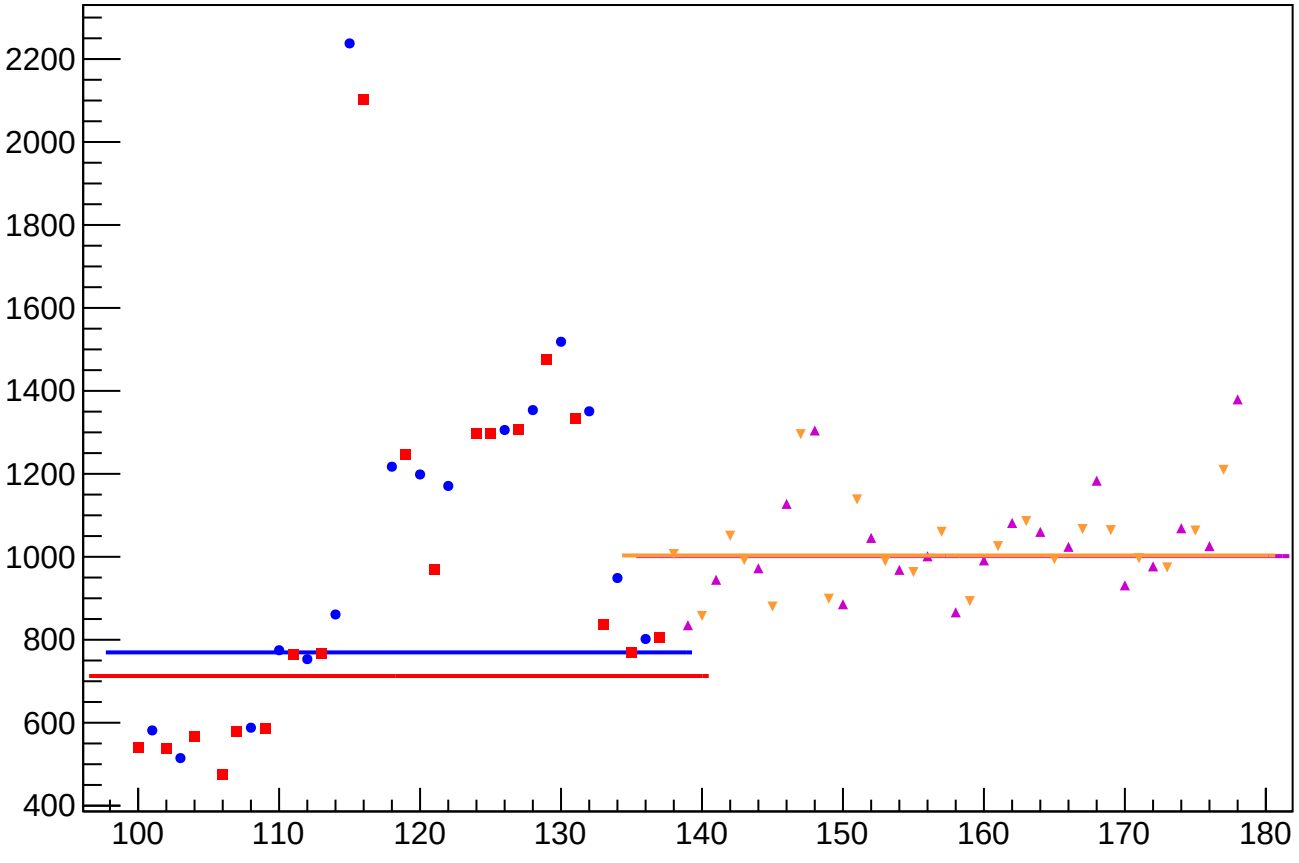
−2000
−4000
−6000
100
110
120
130
140
150
160
170
180
Right In: 349.111+/-305.328 χ²/NDF: 9.8/15
Left Out: -483.886+/-247.762 χ²/NDF:15.8/20
Right Out: -566.026+/-279.218 χ²/NDF: 18.3/18
Left In: -59.341+/-250.396 χ²/NDF:31.1/19
+ sign -153.156+/-192.389 χ²/NDF: 30.1/36
All: -221.255+/-133.878 χ²/NDF: 81.6/75
- sign -285.191+/-186.416 χ²/NDF: 51.2/38

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 1003.259+/-0.175 χ^2/NDF:319139.7/20

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

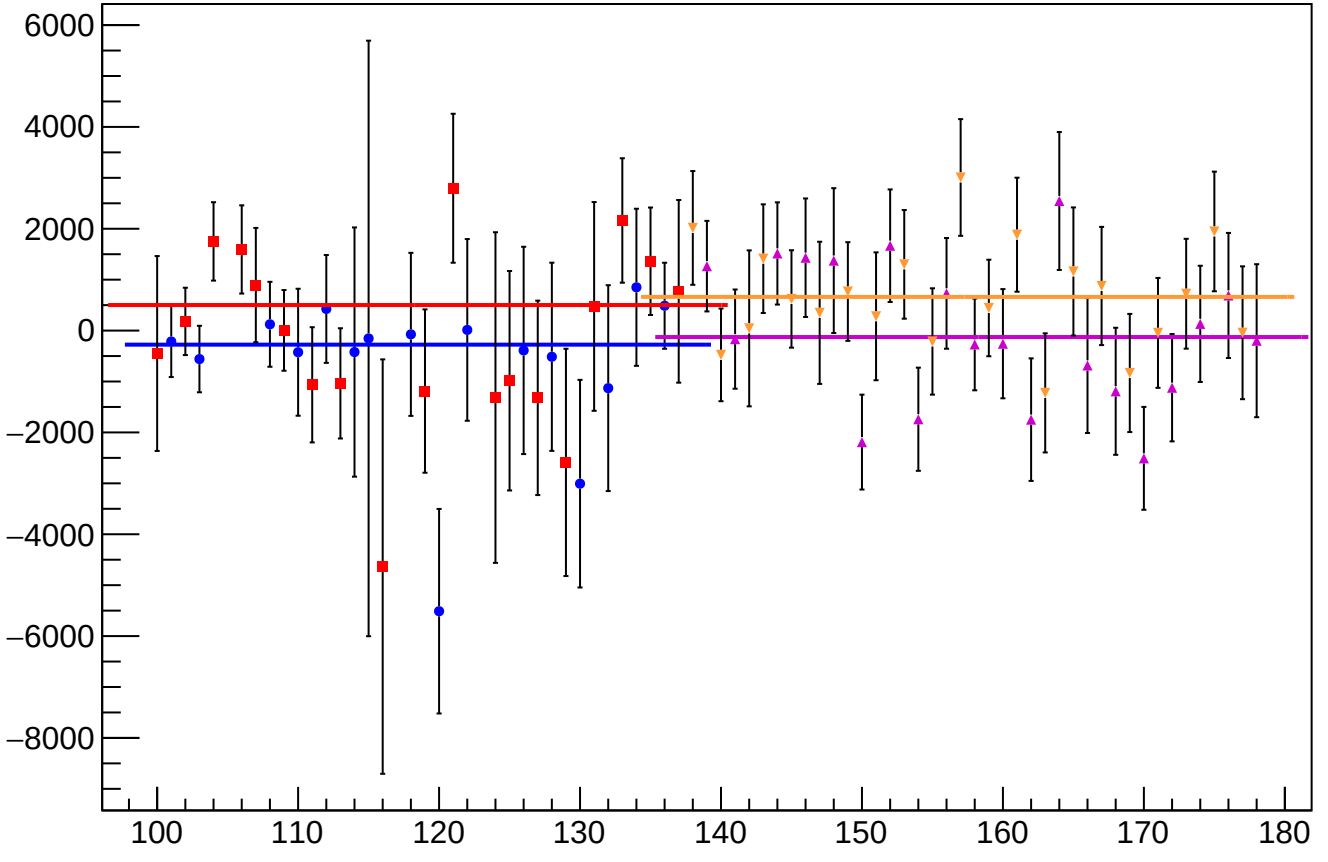
Left In: 1001.700+/-0.177 χ^2/NDF:454342.3/19

+ sign 910.470+/-0.136 χ^2/NDF: 2765580.6/36

All: 891.067+/-0.095 χ^2/NDF: 6214738.1/75

- sign 872.849+/-0.132 χ^2/NDF: 3409712.7/38

asym_sam5_mean vs Slug



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 661.648+/-242.804 χ^2/NDF:16.7/20

Right Out: 501.985+/-272.991 χ^2/NDF: 20.5/18

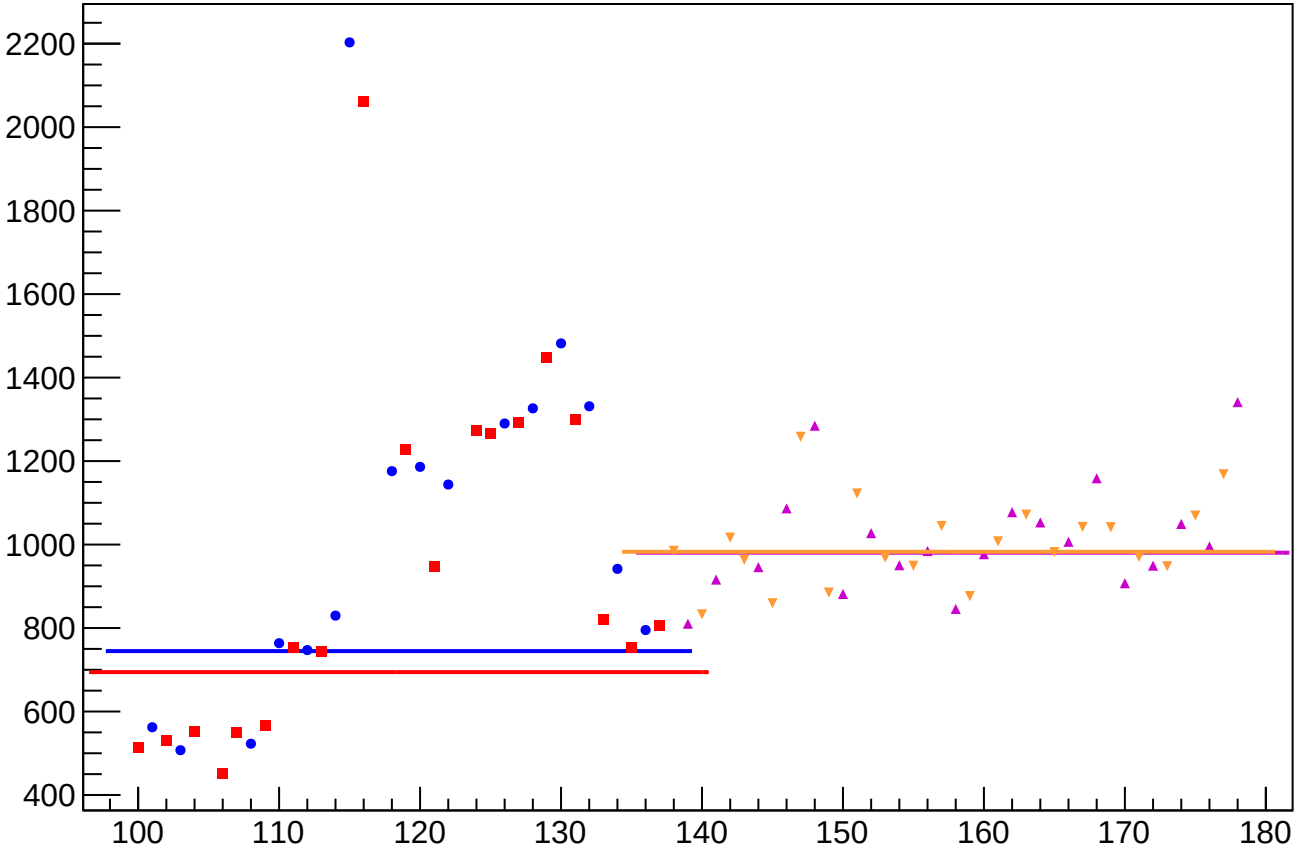
Left In: -126.493+/-245.190 χ^2/NDF:32.3/19

+ sign 285.501+/-187.907 χ^2/NDF: 33.8/36

All: 217.865+/-130.885 χ^2/NDF: 89.8/75

- sign 154.125+/-182.415 χ^2/NDF: 55.7/38

asym_sam5_rms vs Slug



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 982.703+/-0.172 χ^2/NDF:322129.1/20

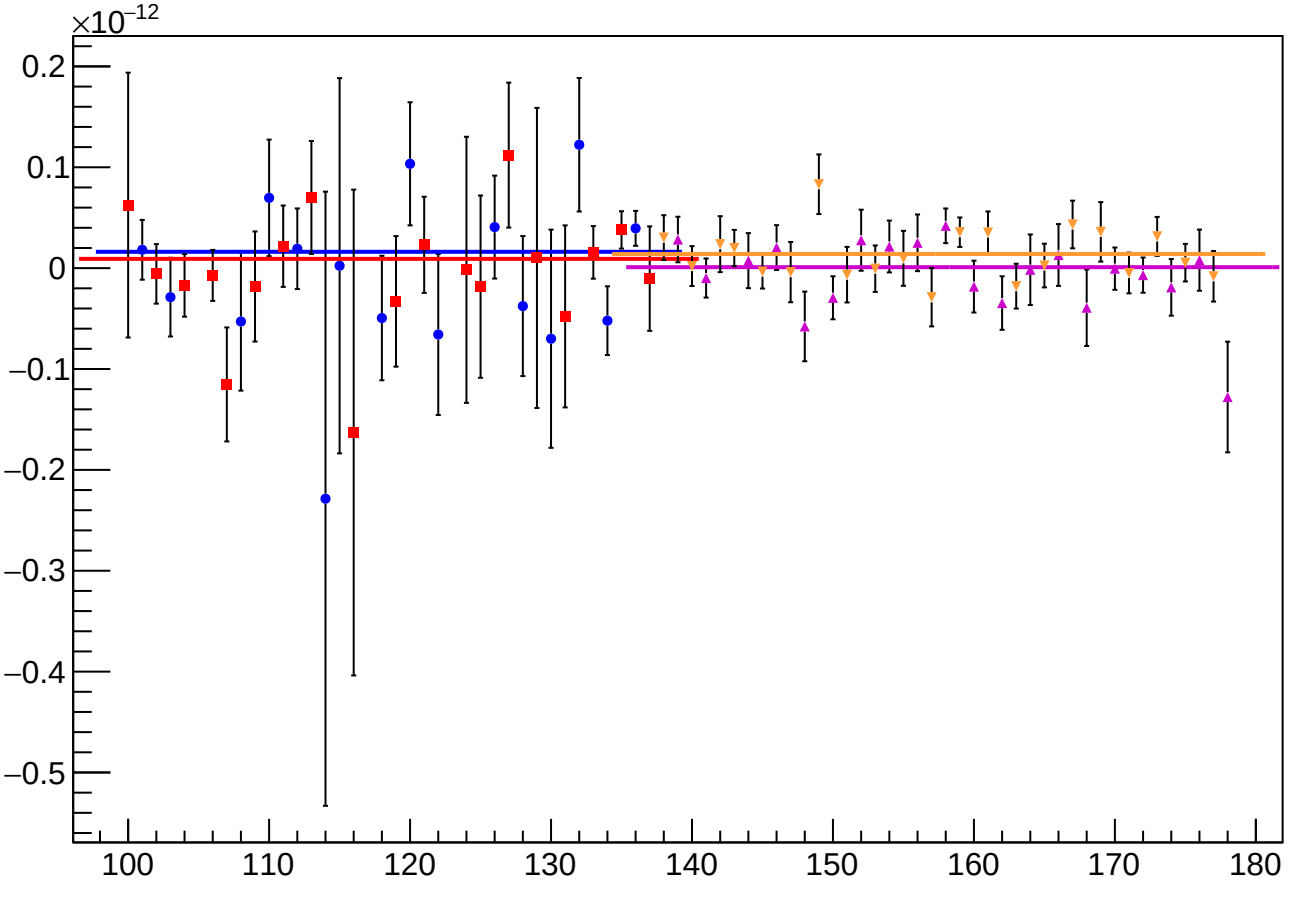
Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 980.507+/-0.173 χ^2/NDF:460604.8/19

+ sign 887.279+/-0.133 χ^2/NDF: 2914889.3/36

All: 869.496+/-0.093 χ^2/NDF: 6430396.2/75

- sign 852.736+/-0.129 χ^2/NDF: 3480710.6/38



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/20

Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

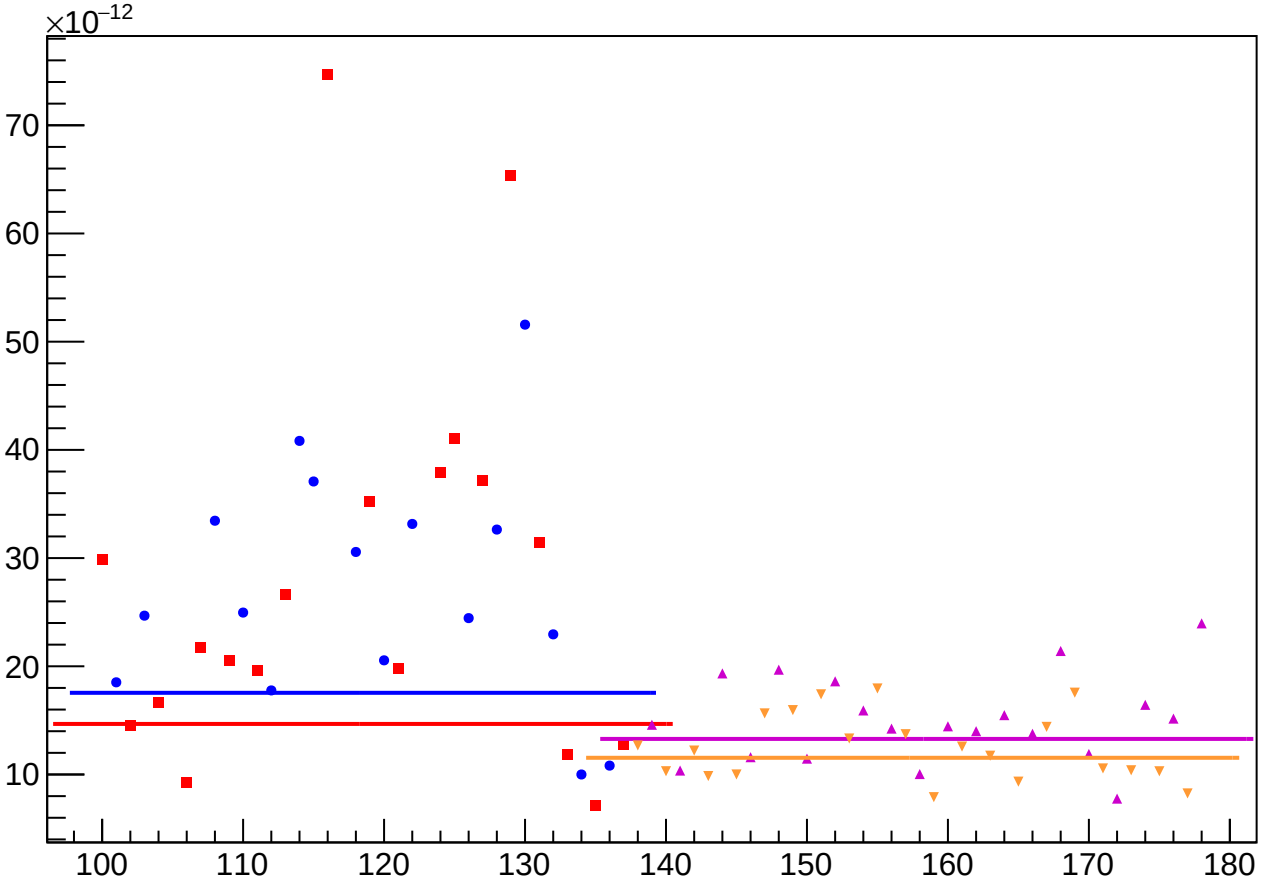
Left In: 0.000+/-0.000 χ^2/NDF:25.3/19

+ sign 0.000+/-0.000 χ^2/NDF: 39.5/36

All: 0.000+/-0.000 χ^2/NDF: 82.5/75

- sign 0.000+/-0.000 χ^2/NDF: 40.0/38

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:673488.1/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1741597.8/18

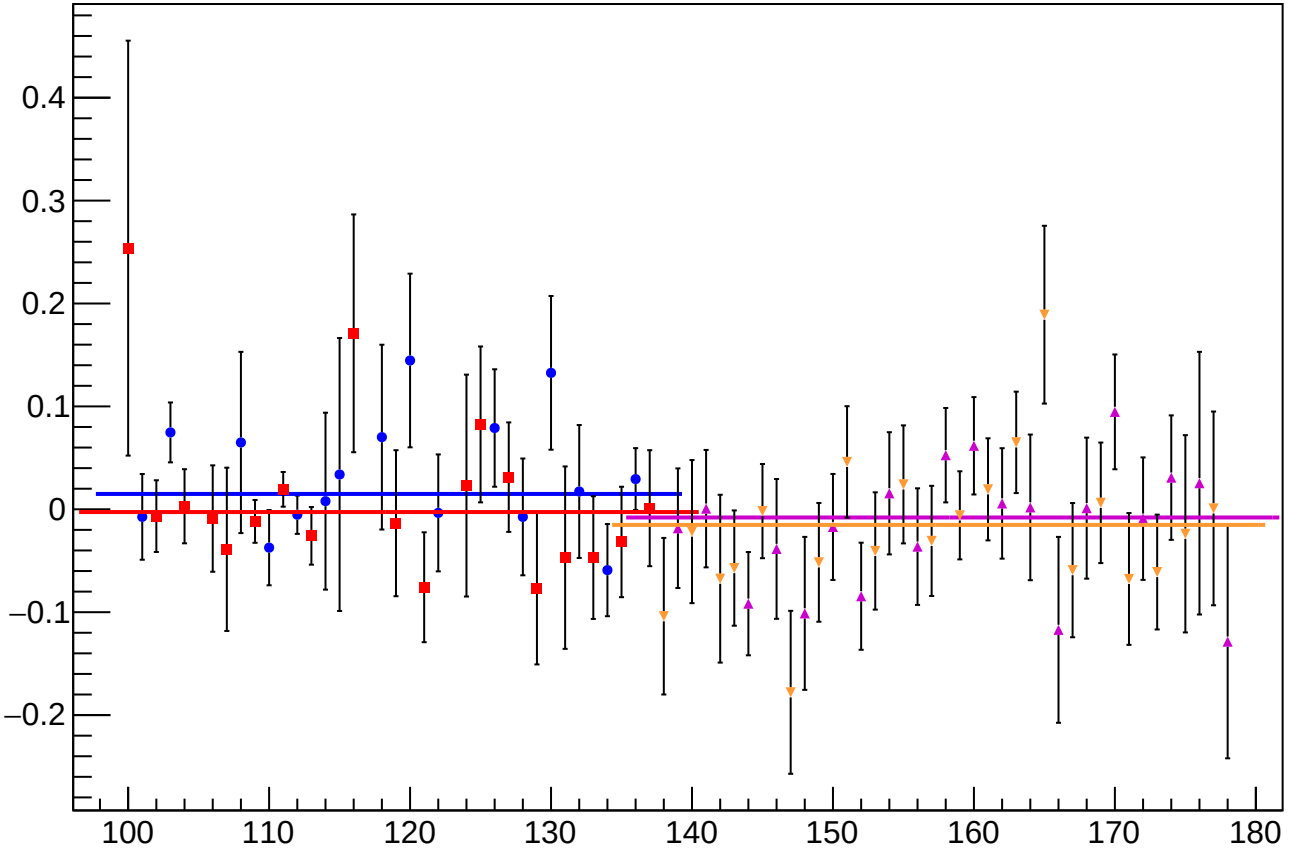
Left In: 0.000+/-0.000 χ^2/NDF:824506.3/19

+ sign 0.000+/-0.000 χ^2/NDF: 2357483.5/36

All: 0.000+/-0.000 χ^2/NDF: 5014906.6/75

- sign 0.000+/-0.000 χ^2/NDF: 2598341.0/38

asym_sam5_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.015+/-0.013 χ^2/NDF:19.8/20

Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

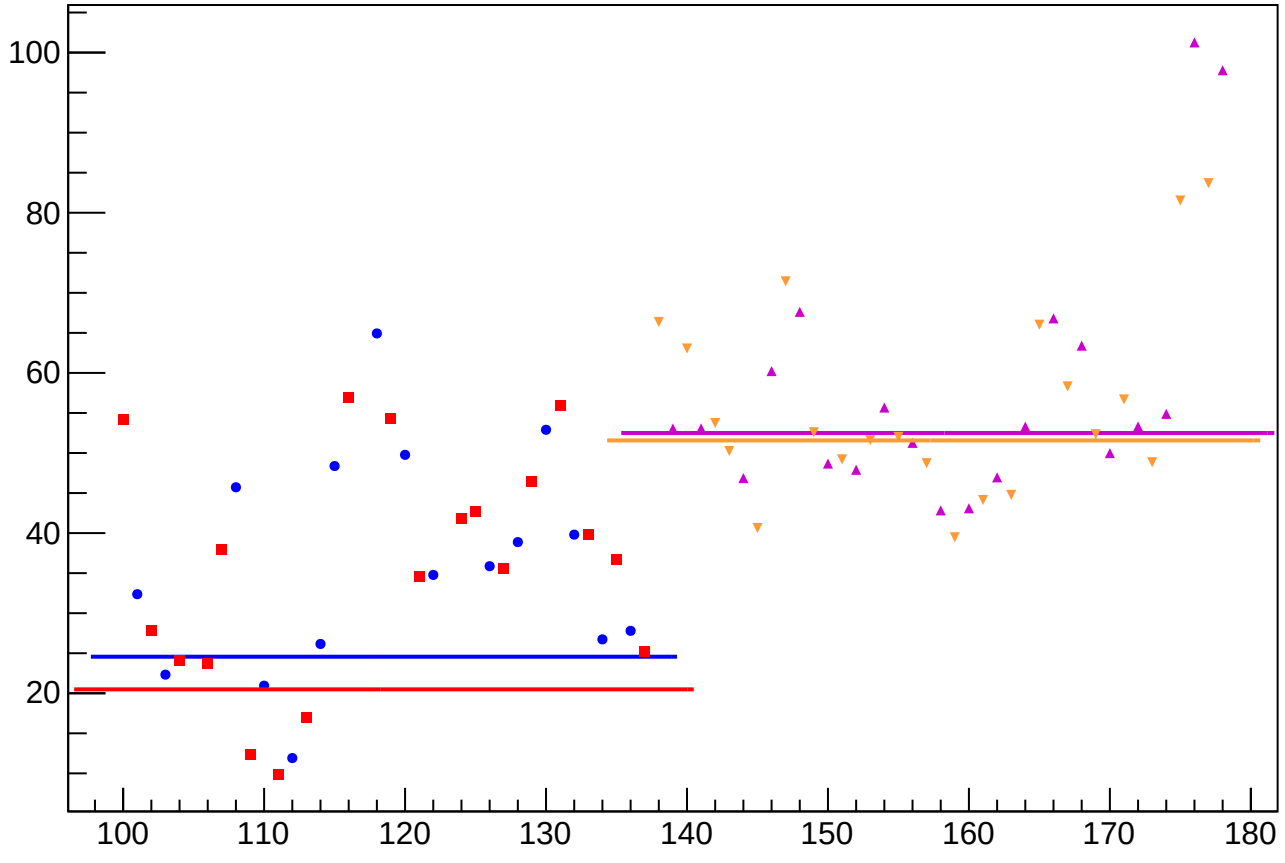
Left In: -0.008+/-0.013 χ^2/NDF:17.7/19

+ sign 0.003+/-0.008 χ^2/NDF: 40.8/36

All: -0.001+/-0.006 χ^2/NDF: 71.5/75

- sign -0.004+/-0.008 χ^2/NDF: 30.2/38

asym_sam5_dit_vs_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 51.572+/-0.009 χ^2/NDF:1148837.1/20

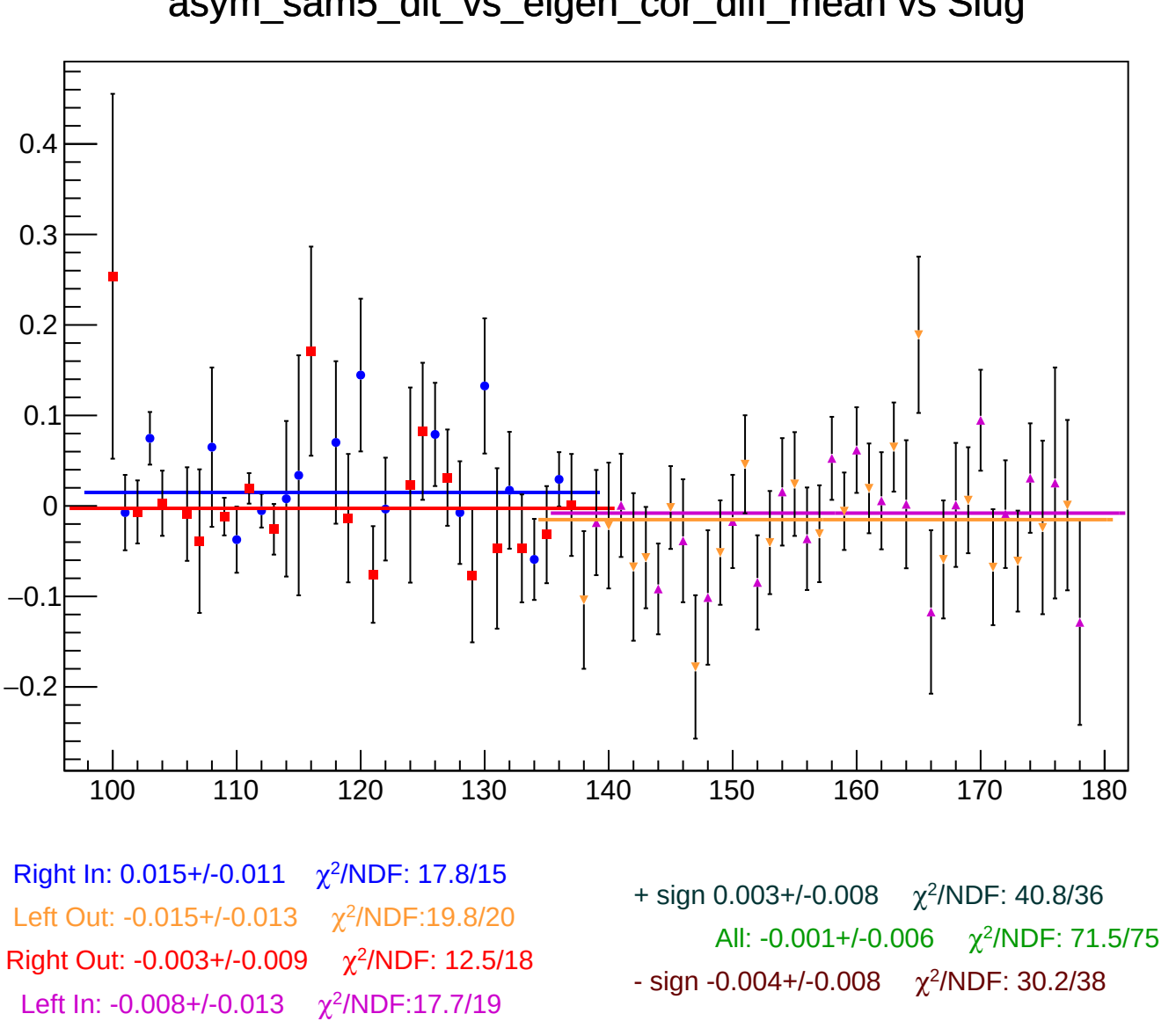
Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 52.504+/-0.009 χ^2/NDF:1076244.8/19

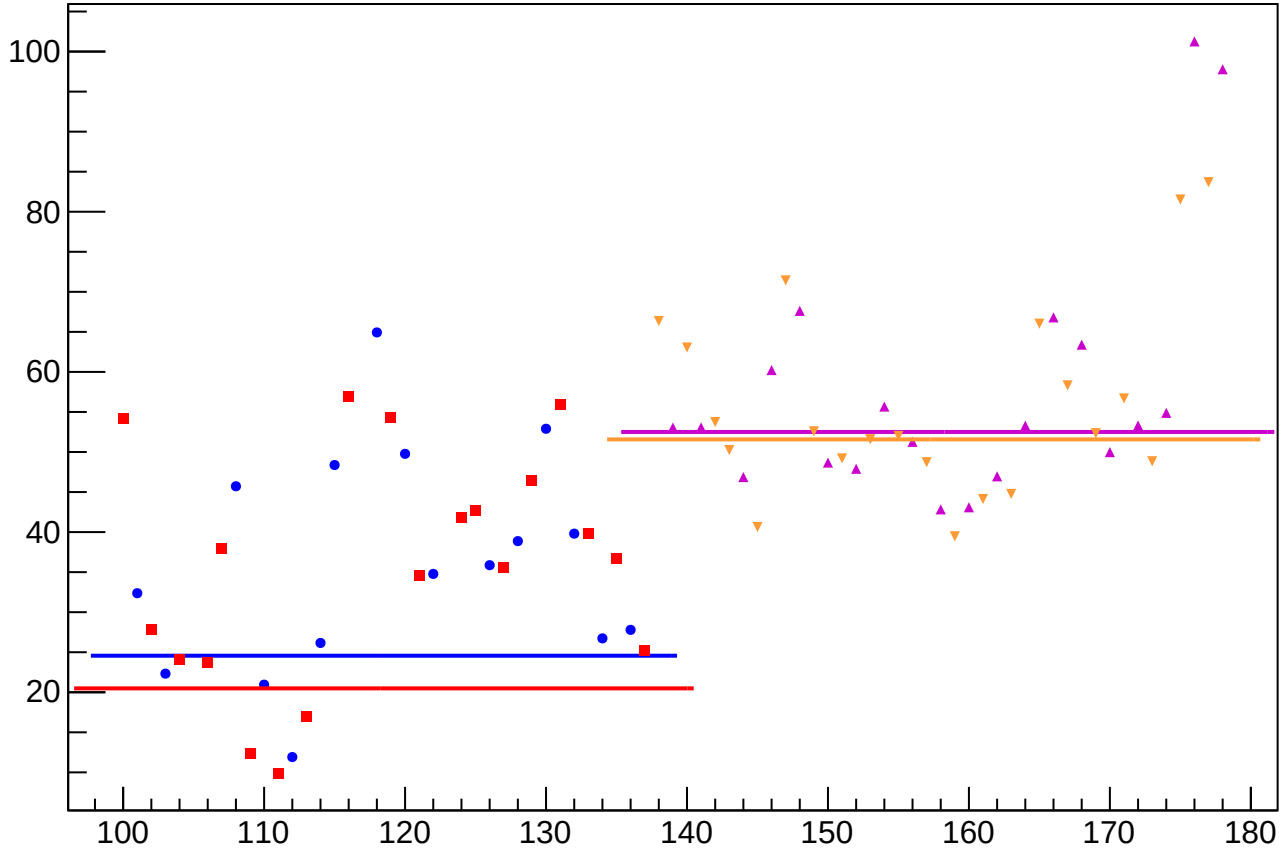
+ sign 35.315+/-0.006 χ^2/NDF: 8812929.9/36

All: 32.867+/-0.004 χ^2/NDF: 21538455.4/75

- sign 30.771+/-0.005 χ^2/NDF: 12395855.4/38


asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
170
180
Right In: 0.015+/-0.011 χ²/NDF: 17.8/15
Left Out: -0.015+/-0.013 χ²/NDF:19.8/20
Right Out: -0.003+/-0.009 χ²/NDF: 12.5/18
Left In: -0.008+/-0.013 χ²/NDF:17.7/19
+ sign 0.003+/-0.008 χ²/NDF: 40.8/36
All: -0.001+/-0.006 χ²/NDF: 71.5/75
- sign -0.004+/-0.008 χ²/NDF: 30.2/38

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 51.572+/-0.009 χ^2/NDF:1148837.1/20

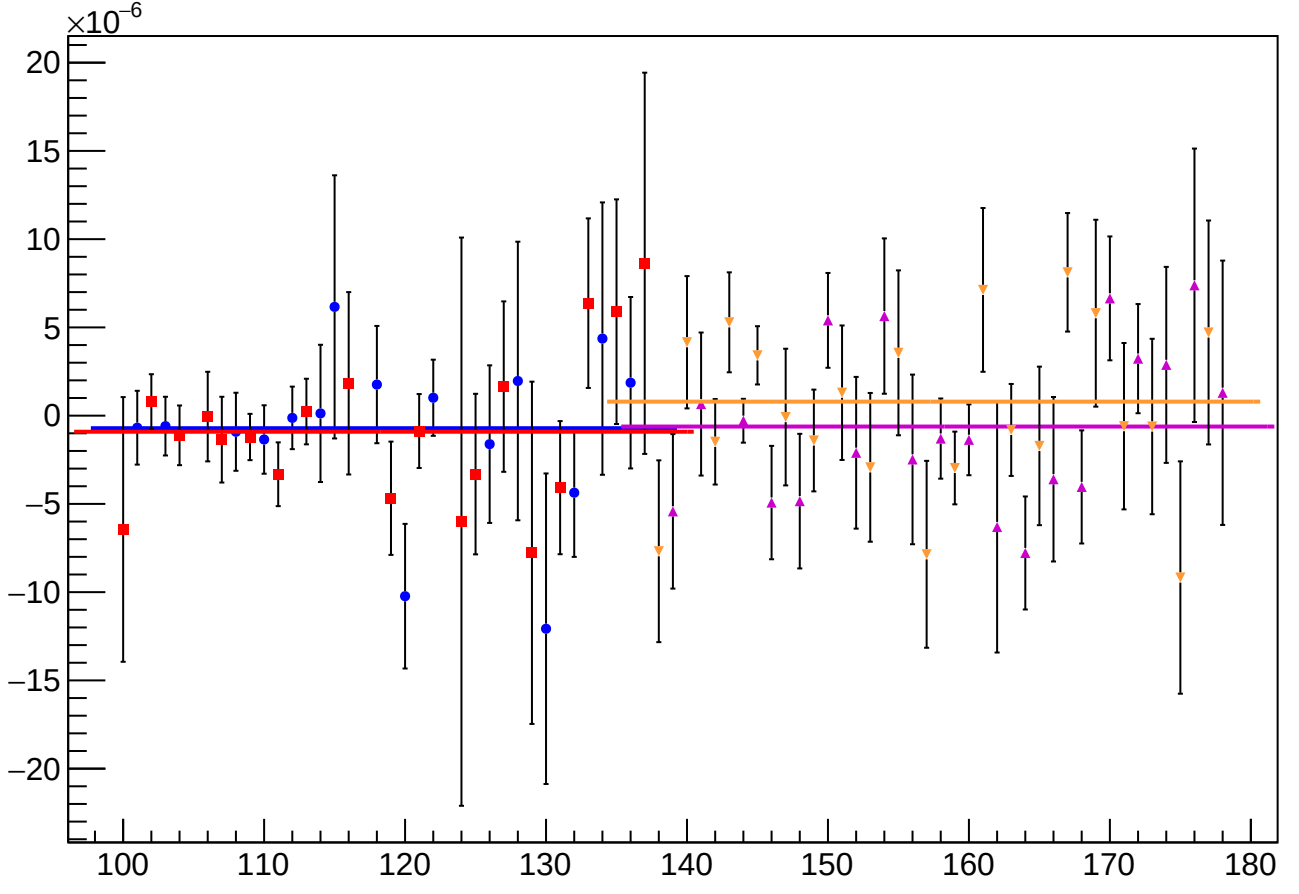
Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 52.504+/-0.009 χ^2/NDF:1076244.8/19

+ sign 35.315+/-0.006 χ^2/NDF: 8812929.9/36

All: 32.867+/-0.004 χ^2/NDF: 21538455.4/75

- sign 30.771+/-0.005 χ^2/NDF: 12395855.4/38



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.3/20

Right Out: -0.000+/-0.000 χ^2/NDF: 11.9/18

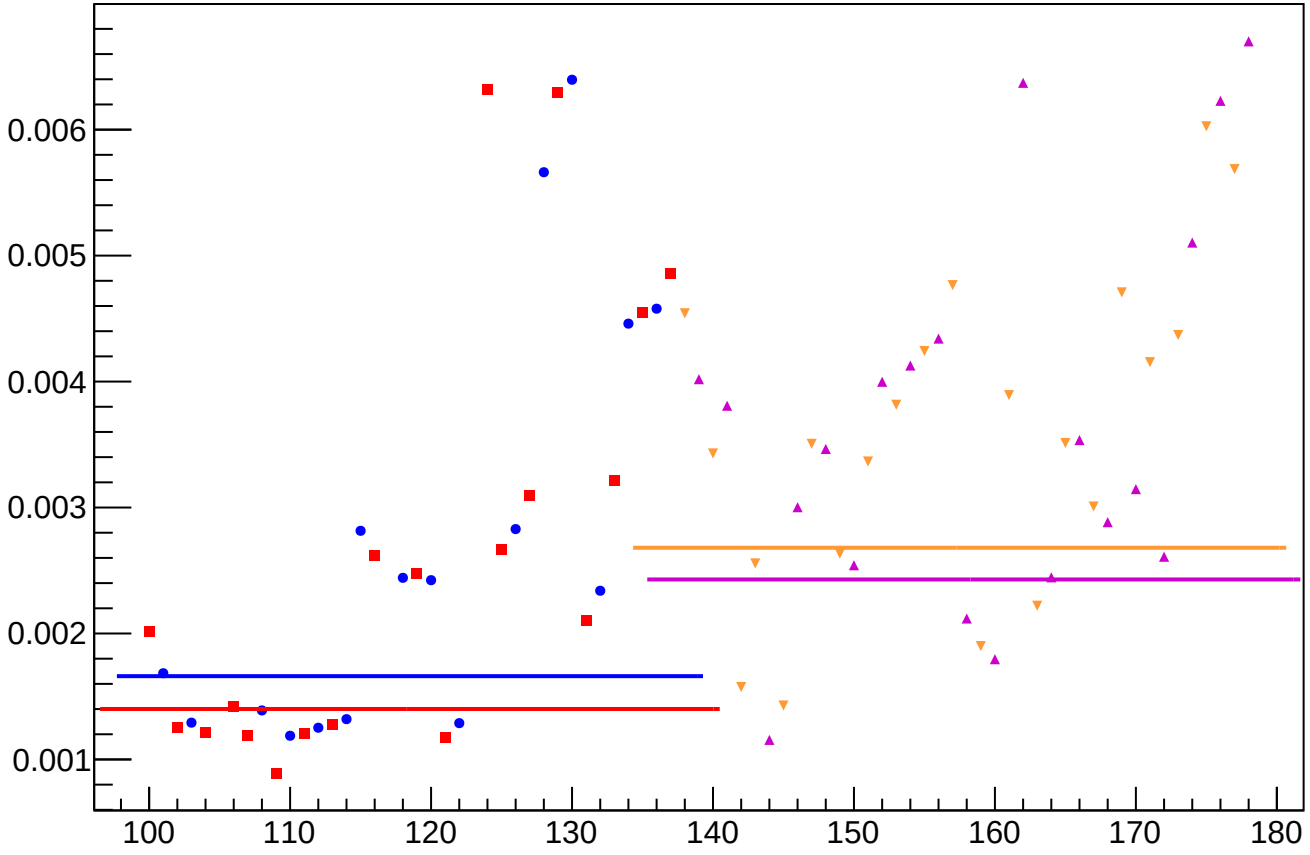
Left In: -0.000+/-0.000 χ^2/NDF:26.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 41.8/36

All: -0.000+/-0.000 χ^2/NDF: 81.7/75

- sign -0.000+/-0.000 χ^2/NDF: 38.5/38

asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 2942035.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:5006708.3/20

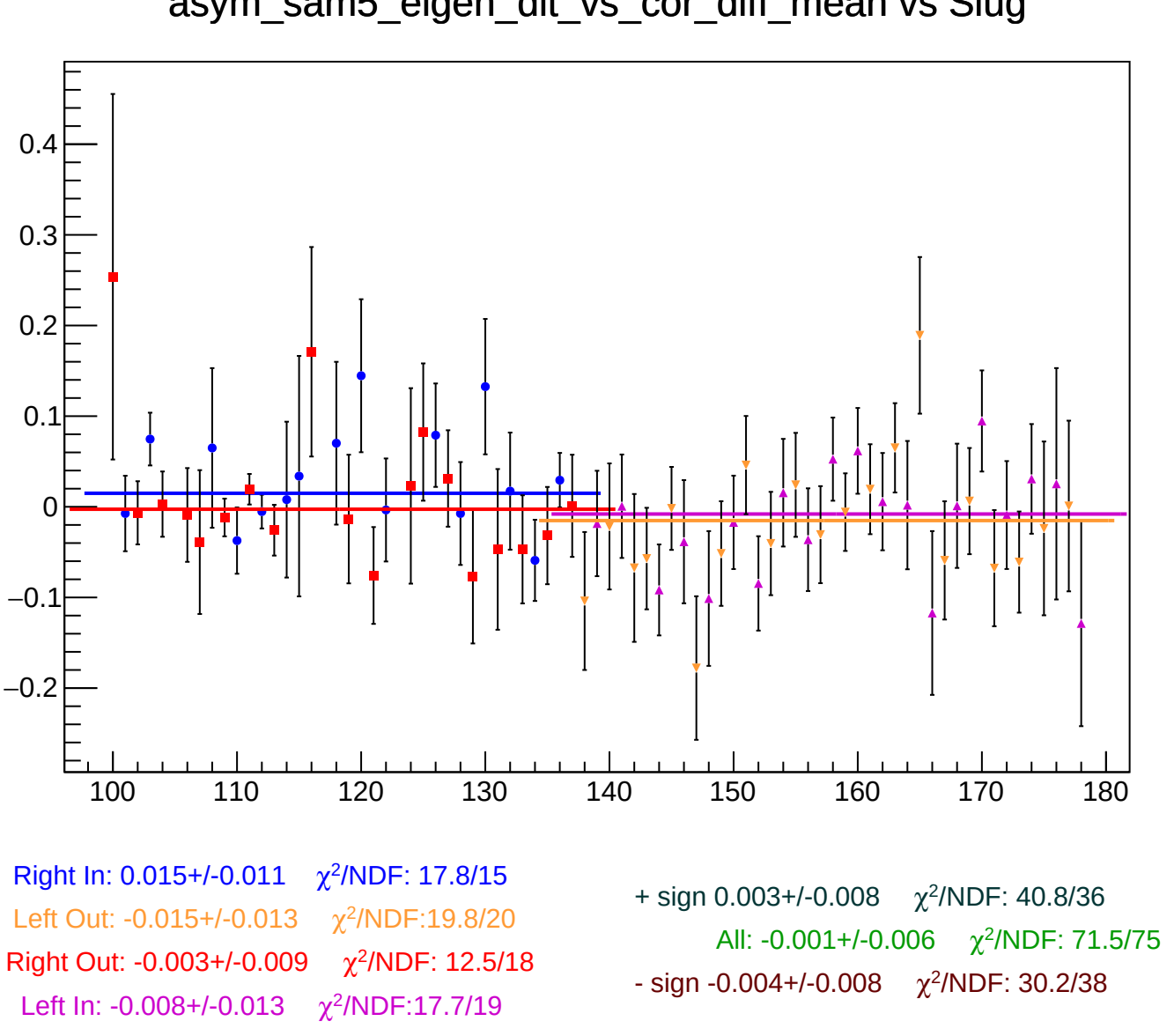
Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

Left In: 0.002+/-0.000 χ^2/NDF:6386097.2/19

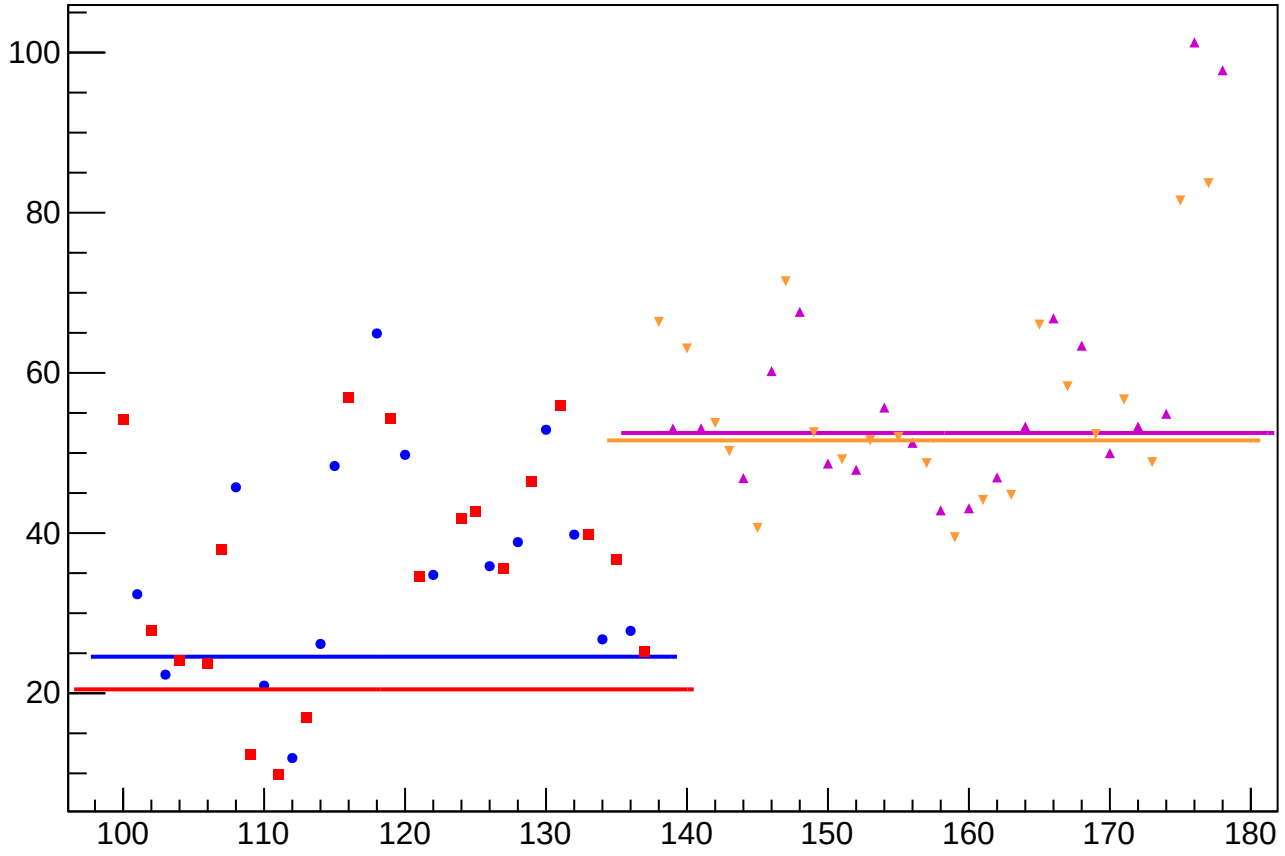
+ sign 0.002+/-0.000 χ^2/NDF: 9996043.8/36

All: 0.002+/-0.000 χ^2/NDF: 22352941.4/75

- sign 0.002+/-0.000 χ^2/NDF: 11926019.6/38


asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
170
180
Right In: 0.015+/-0.011 χ²/NDF: 17.8/15
Left Out: -0.015+/-0.013 χ²/NDF:19.8/20
Right Out: -0.003+/-0.009 χ²/NDF: 12.5/18
Left In: -0.008+/-0.013 χ²/NDF:17.7/19
+ sign 0.003+/-0.008 χ²/NDF: 40.8/36
All: -0.001+/-0.006 χ²/NDF: 71.5/75
- sign -0.004+/-0.008 χ²/NDF: 30.2/38

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 51.572+/-0.009 χ^2/NDF:1148930.3/20

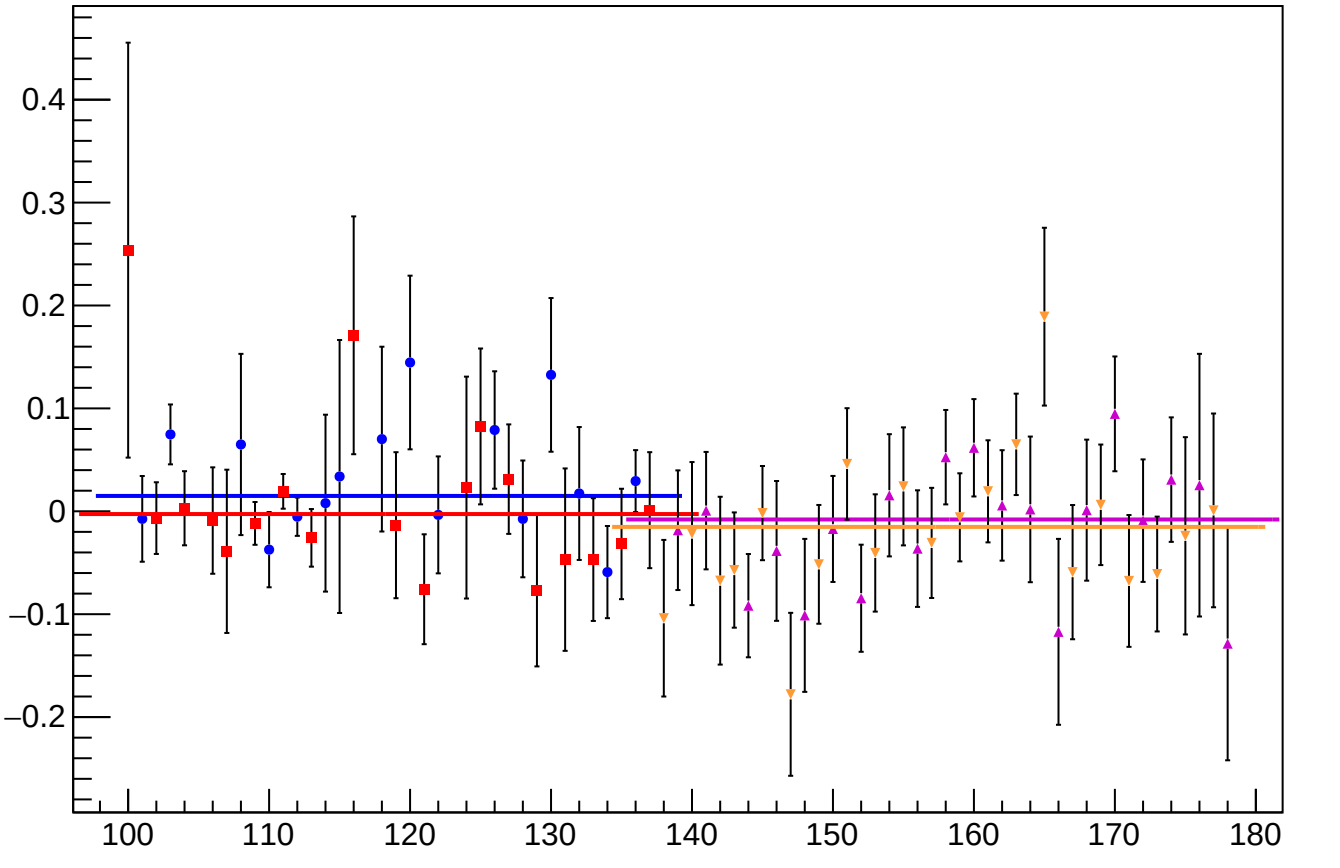
Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 52.504+/-0.009 χ^2/NDF:1076281.9/19

+ sign 35.314+/-0.006 χ^2/NDF: 8813265.0/36

All: 32.867+/-0.004 χ^2/NDF: 21539231.3/75

- sign 30.771+/-0.005 χ^2/NDF: 12396269.7/38



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.015+/-0.013 χ^2/NDF:19.8/20

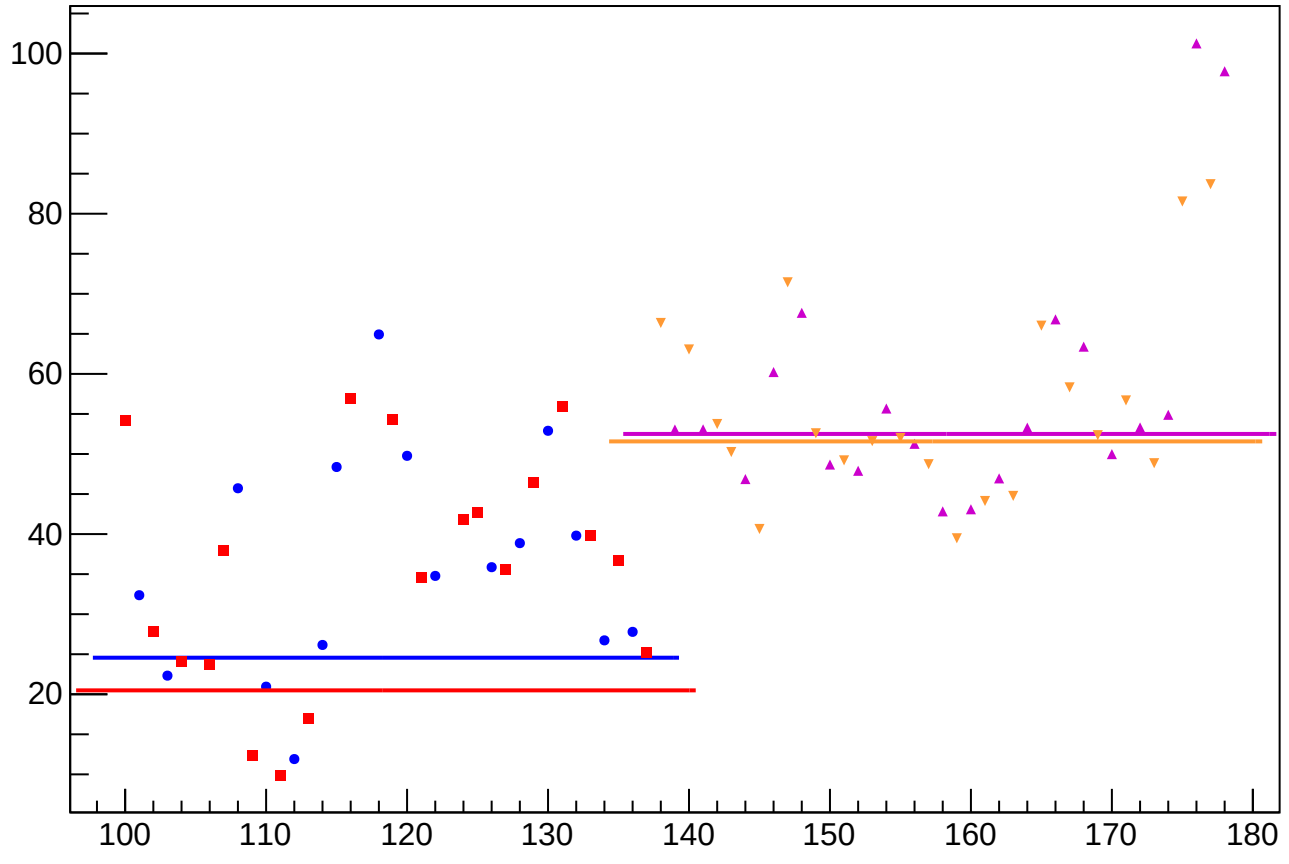
Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: -0.008+/-0.013 χ^2/NDF:17.7/19

+ sign 0.003+/-0.008 χ^2/NDF: 40.8/36

All: -0.001+/-0.006 χ^2/NDF: 71.5/75

- sign -0.004+/-0.008 χ^2/NDF: 30.2/38



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 51.572+/-0.009 χ^2/NDF:1148930.3/20

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

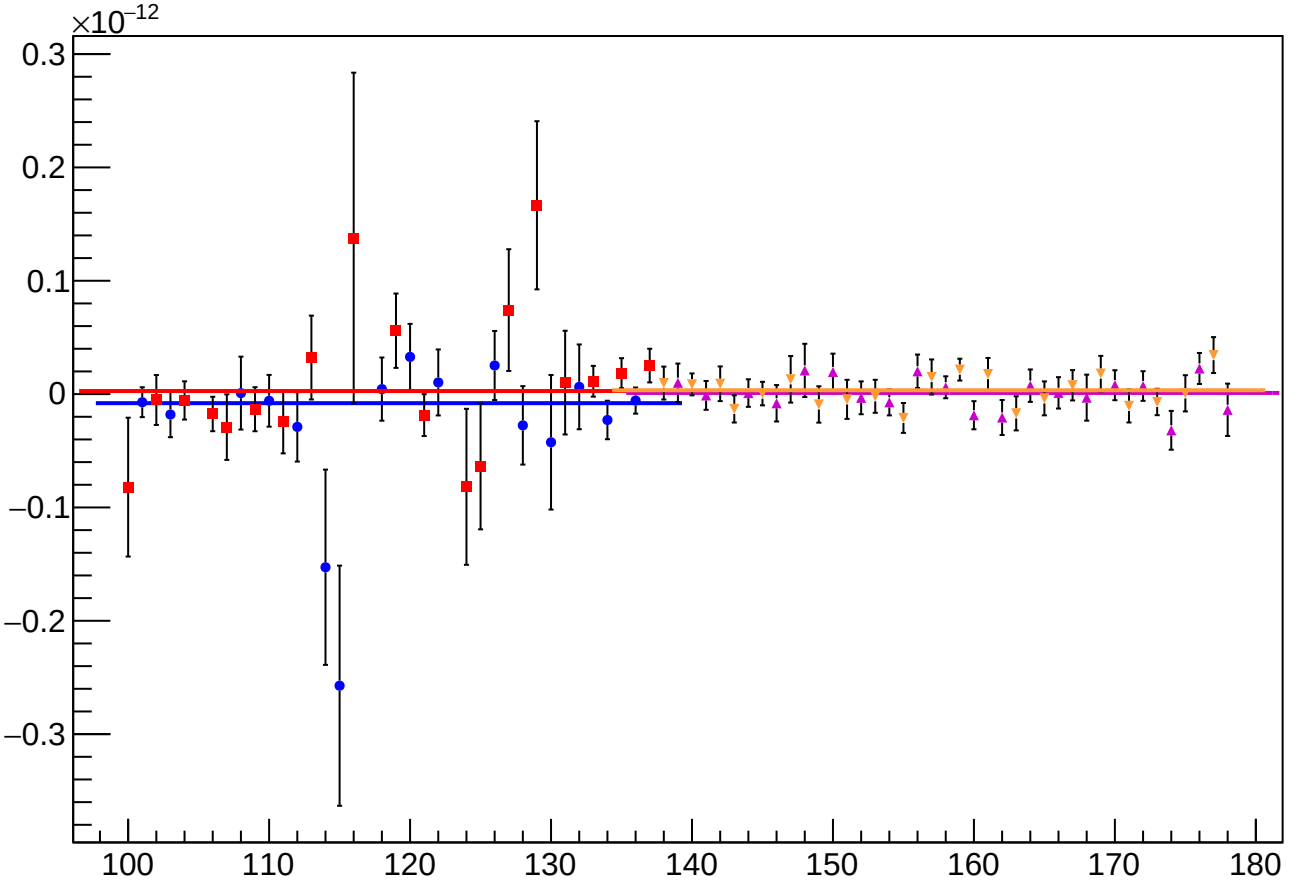
Left In: 52.504+/-0.009 χ^2/NDF:1076281.9/19

+ sign 35.314+/-0.006 χ^2/NDF: 8813265.0/36

All: 32.867+/-0.004 χ^2/NDF: 21539231.3/75

- sign 30.771+/-0.005 χ^2/NDF: 12396269.7/38

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:20.9/20

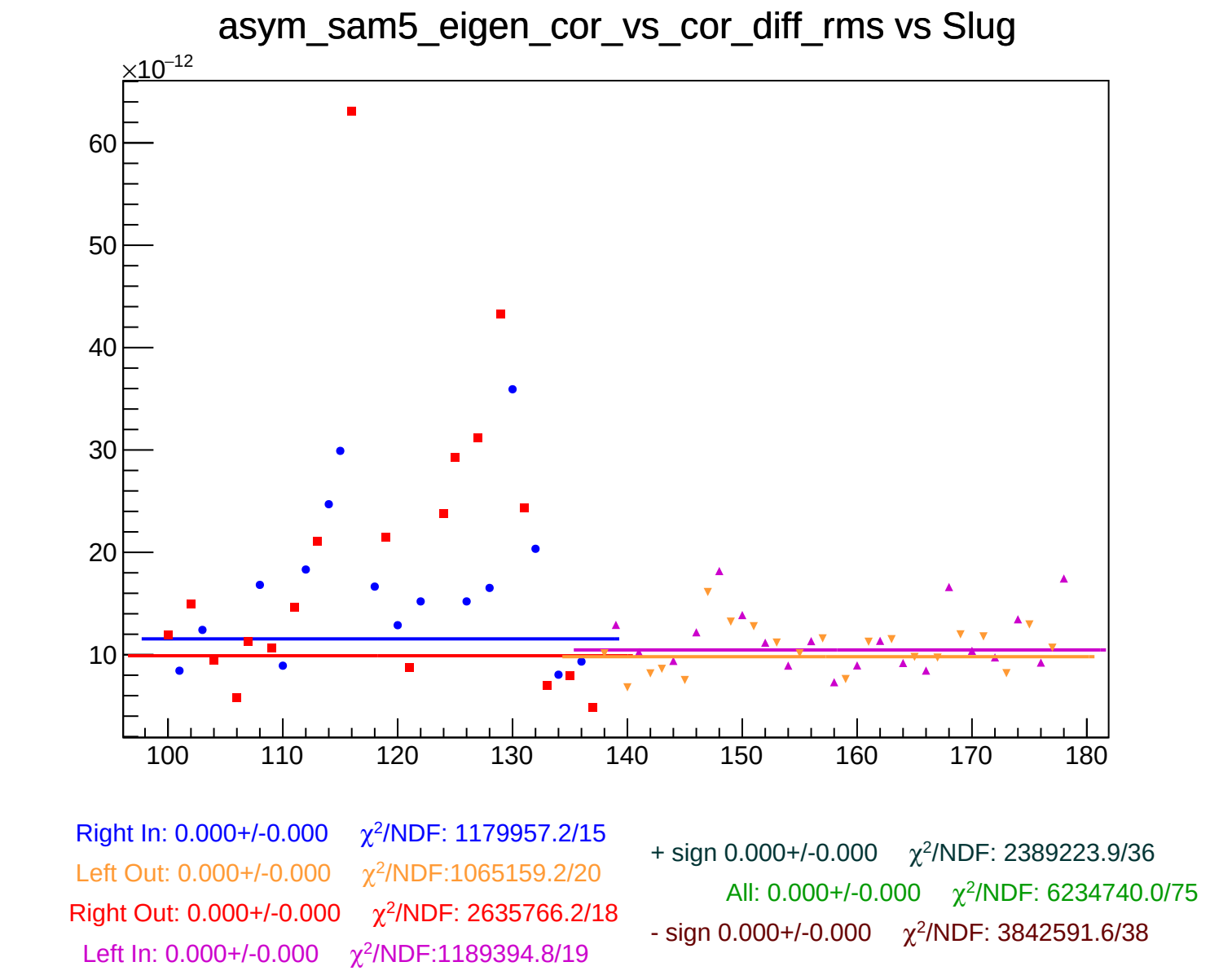
Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/18

Left In: 0.000+/-0.000 χ^2/NDF:17.0/19

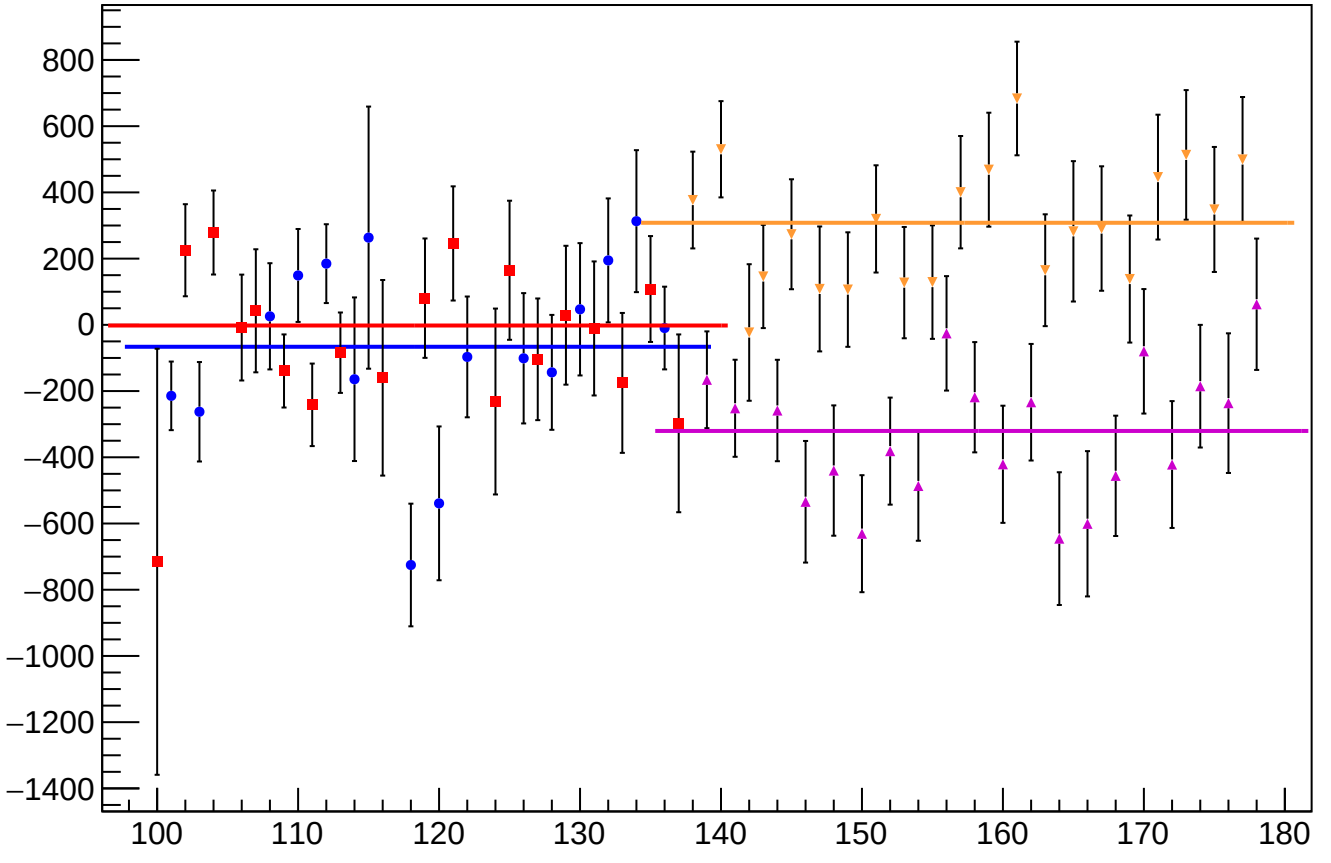
+ sign 0.000+/-0.000 χ^2/NDF: 38.5/36

All: 0.000+/-0.000 χ^2/NDF: 81.8/75

- sign 0.000+/-0.000 χ^2/NDF: 43.2/38


asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1179957.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1065159.2/20
Right Out: 0.000+/-0.000 χ²/NDF: 2635766.2/18
Left In: 0.000+/-0.000 χ²/NDF:1189394.8/19
+ sign 0.000+/-0.000 χ²/NDF: 2389223.9/36
All: 0.000+/-0.000 χ²/NDF: 6234740.0/75
- sign 0.000+/-0.000 χ²/NDF: 3842591.6/38

reg_asym_sam6_mean vs Slug



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 308.240+/-38.075 χ^2/NDF:21.2/20

Right Out: -2.017+/-38.866 χ^2/NDF: 21.1/18

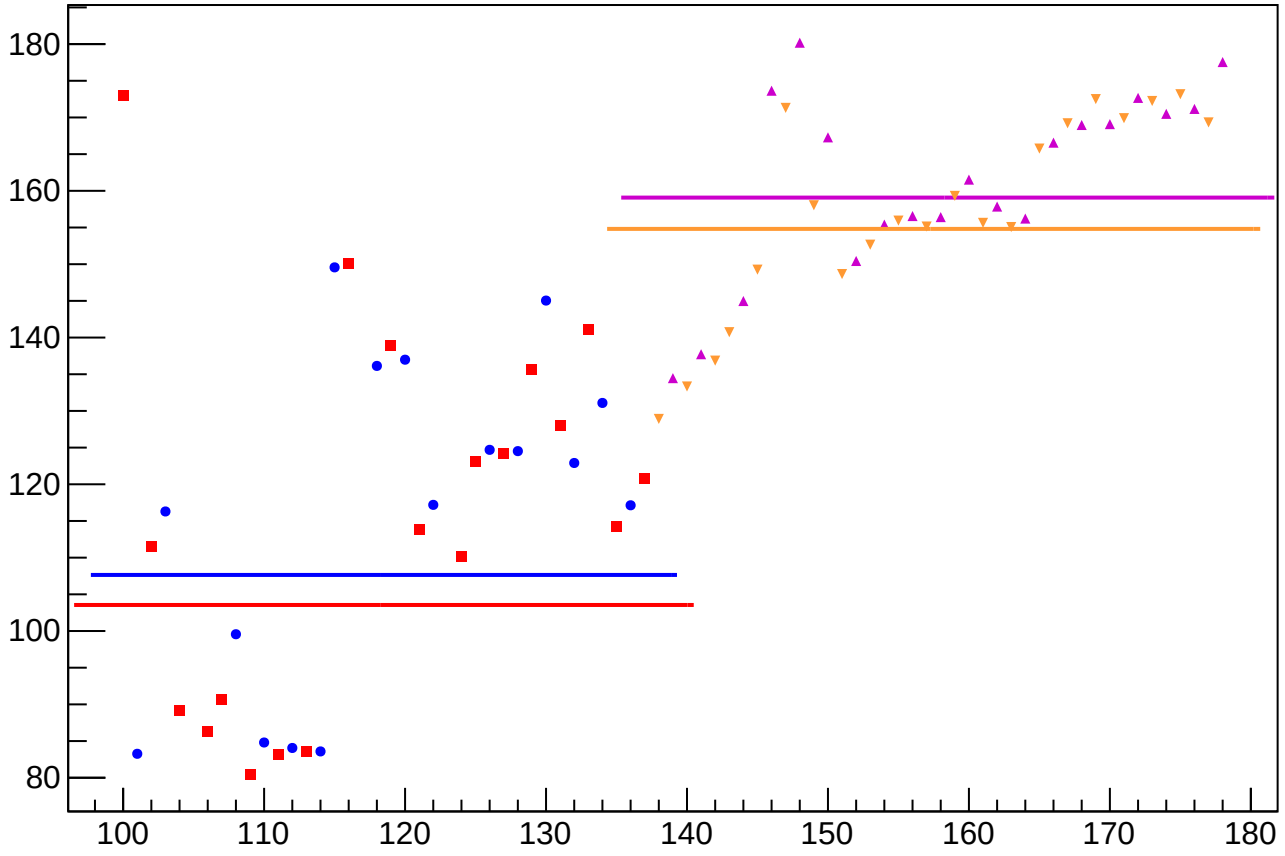
Left In: -320.483+/-39.510 χ^2/NDF:22.5/19

+ sign 134.553+/-27.880 χ^2/NDF: 100.4/36

All: -12.952+/-19.653 χ^2/NDF: 232.7/75

- sign -158.636+/-27.707 χ^2/NDF: 76.6/38

reg_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 154.811+/-0.027 χ^2/NDF:254441.8/20

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

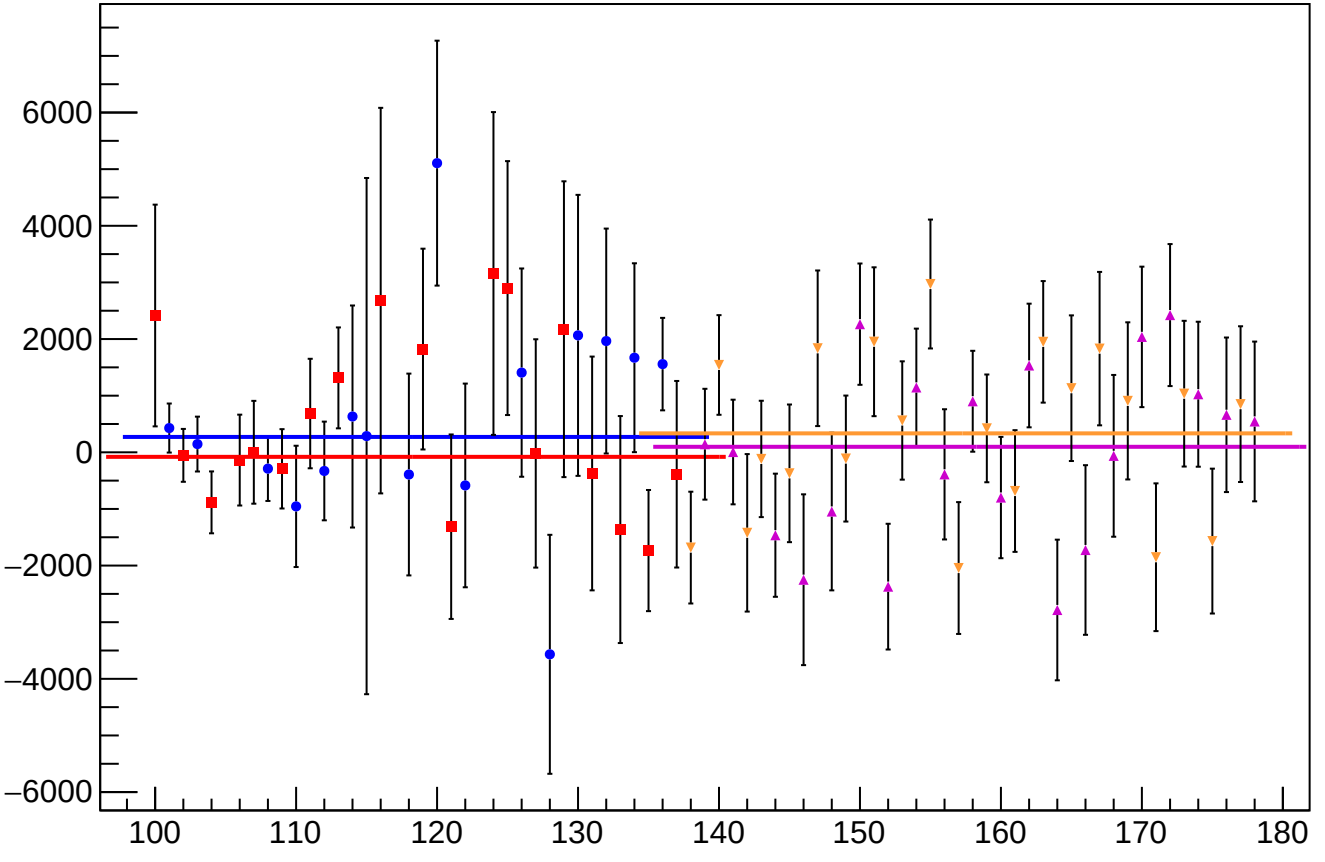
Left In: 159.078+/-0.028 χ^2/NDF:220069.5/19

+ sign 132.934+/-0.020 χ^2/NDF: 2210864.9/36

All: 131.890+/-0.014 χ^2/NDF: 5061517.5/75

- sign 130.858+/-0.020 χ^2/NDF: 2845072.8/38

asym_sam6_reg_correction_mean vs Slug



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: 334.535+/-252.833 χ^2/NDF:31.1/20

Right Out: -80.094+/-232.154 χ^2/NDF: 16.0/18

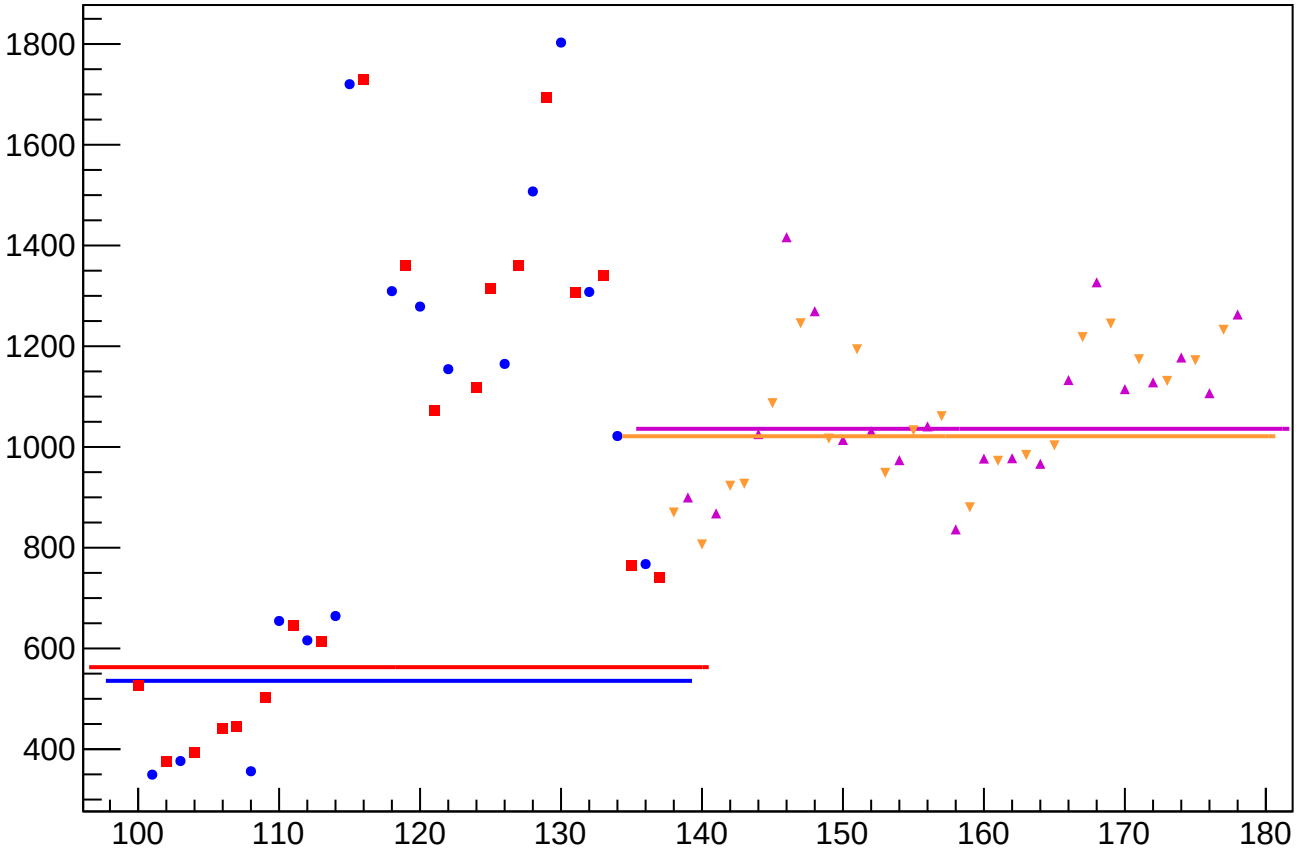
Left In: 97.273+/-259.281 χ^2/NDF:32.2/19

+ sign 300.136+/-170.403 χ^2/NDF: 47.6/36

All: 151.722+/-121.386 χ^2/NDF: 97.6/75

- sign -1.171+/-172.956 χ^2/NDF: 48.5/38

asym_sam6_reg_correction_rms vs Slug



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 1021.287+/-0.179 χ^2/NDF:561235.9/20

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

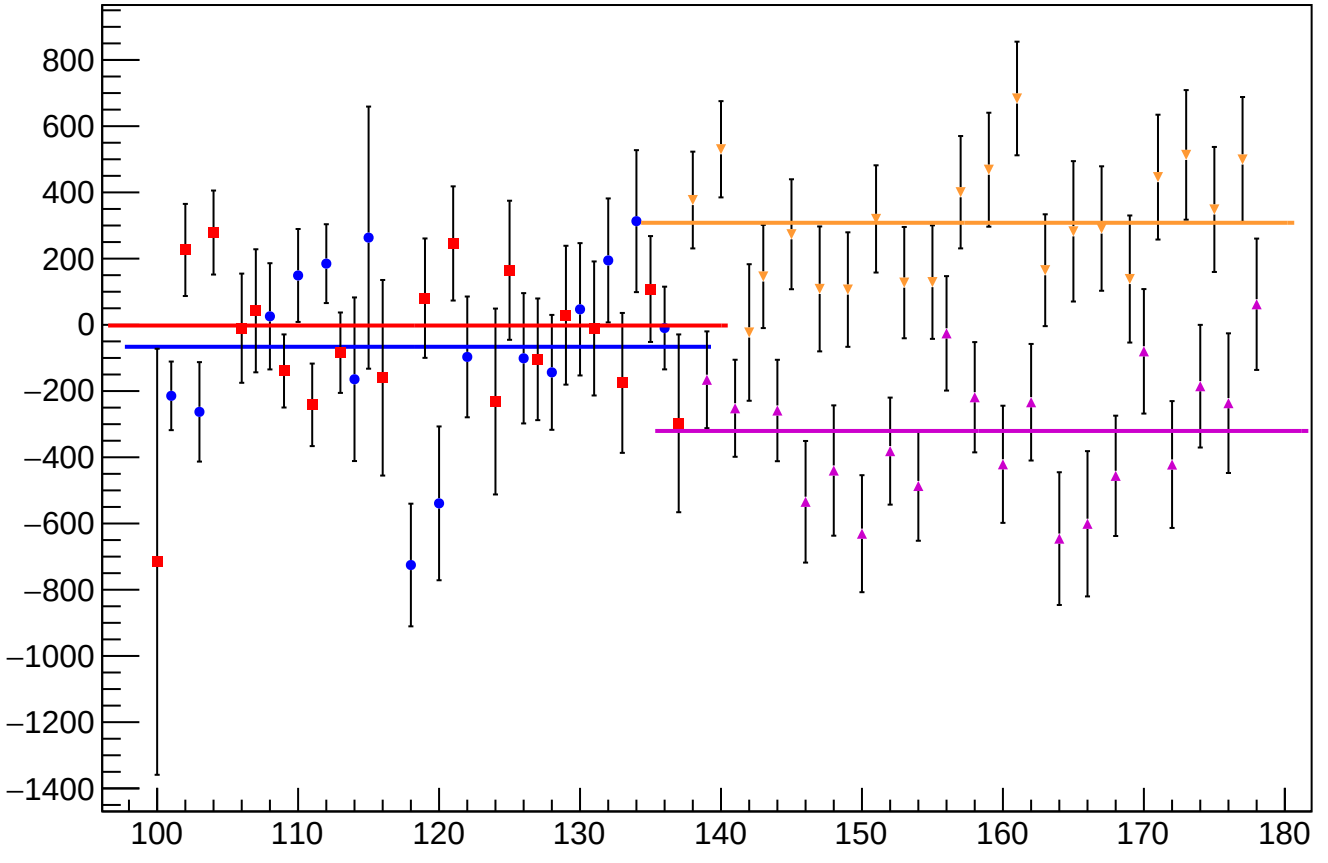
Left In: 1036.057+/-0.183 χ^2/NDF:607036.4/19

+ sign 756.265+/-0.120 χ^2/NDF: 8220121.7/36

All: 764.710+/-0.086 χ^2/NDF: 15645745.7/75

- sign 773.410+/-0.122 χ^2/NDF: 7415651.0/38

cor_asym_sam6_mean vs Slug



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 308.237+/-38.075 χ^2/NDF:21.2/20

Right Out: -2.062+/-38.937 χ^2/NDF: 21.1/18

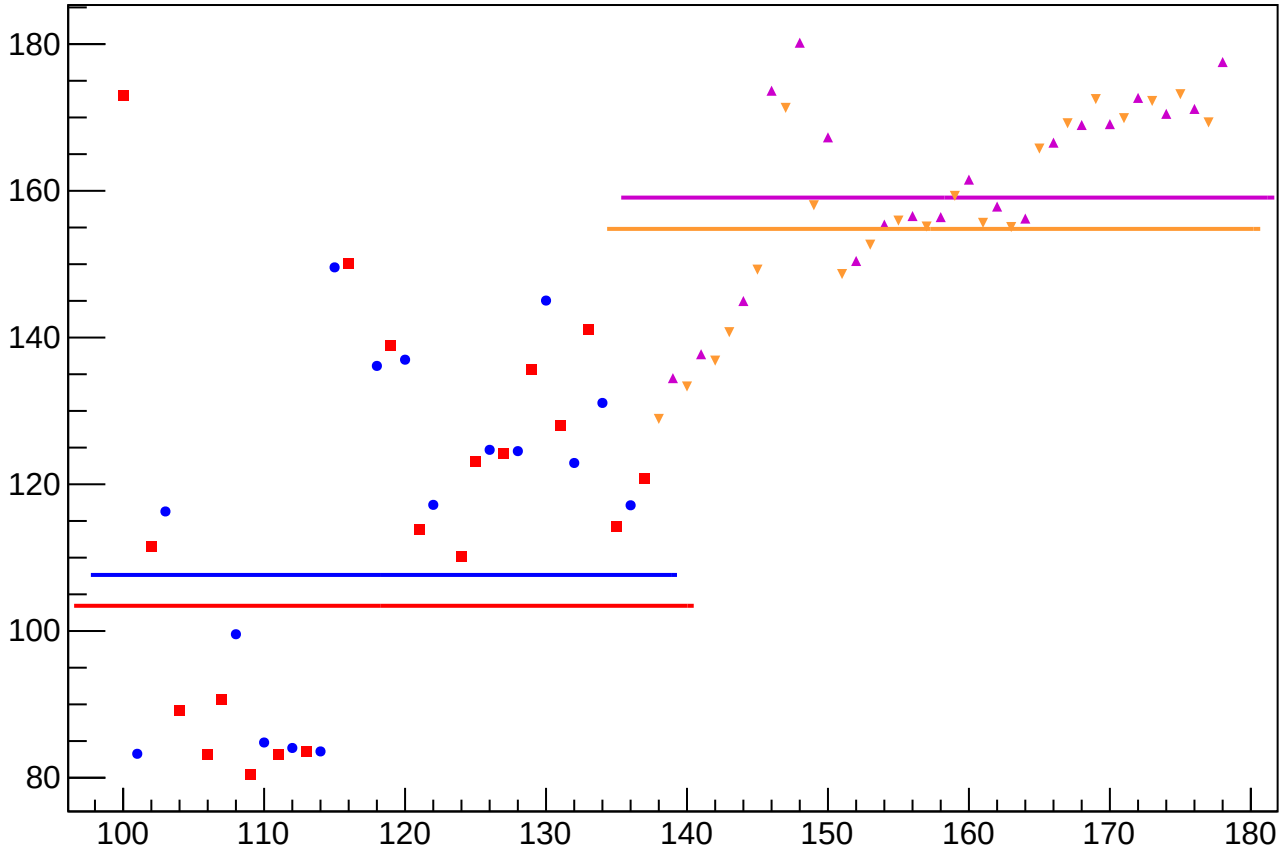
Left In: -320.488+/-39.510 χ^2/NDF:22.5/19

+ sign 134.539+/-27.880 χ^2/NDF: 100.5/36

All: -12.982+/-19.662 χ^2/NDF: 232.7/75

- sign -158.949+/-27.733 χ^2/NDF: 76.5/38

cor_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 154.811+/-0.027 χ^2/NDF:254441.8/20

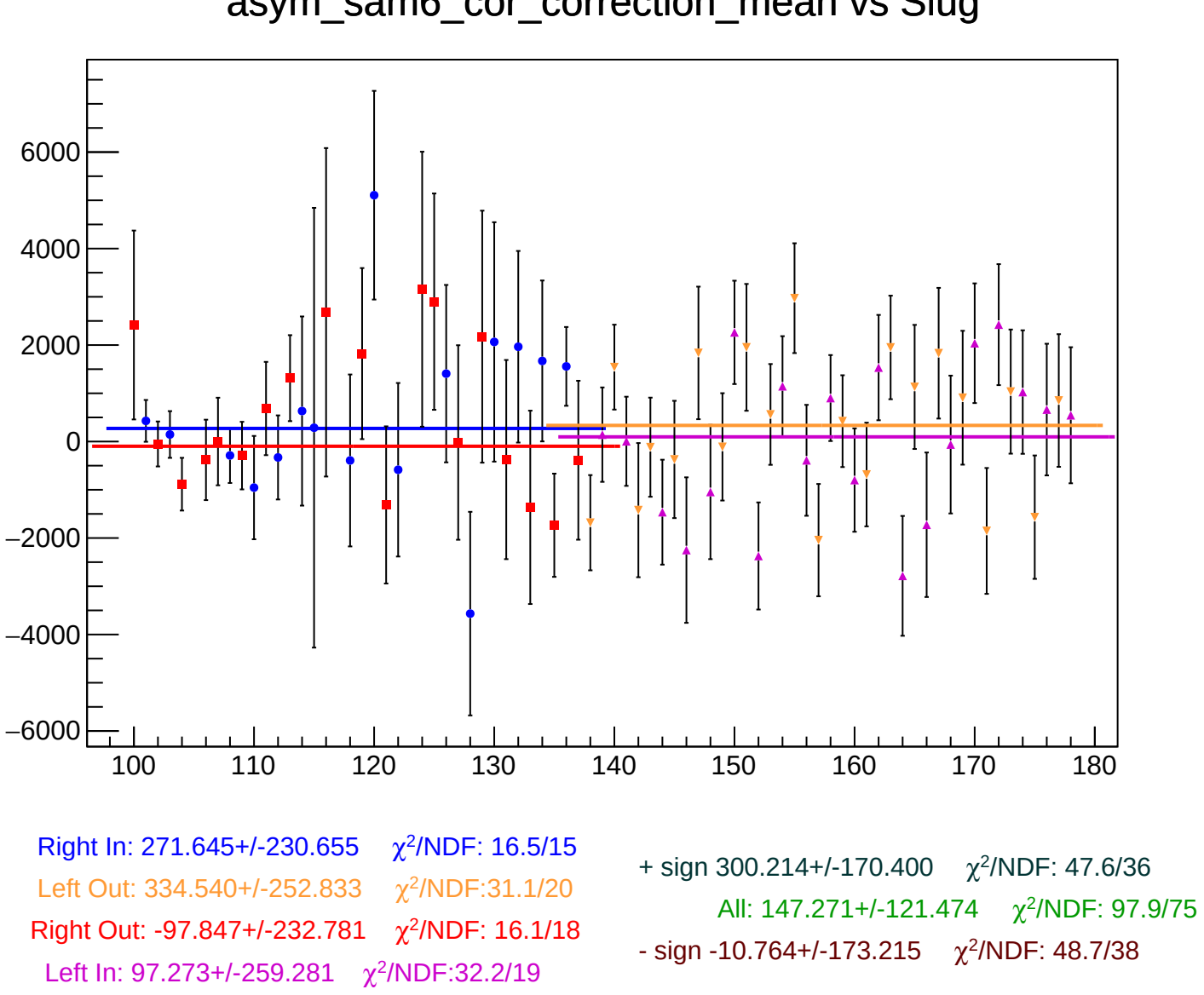
Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 159.078+/-0.028 χ^2/NDF:220069.5/19

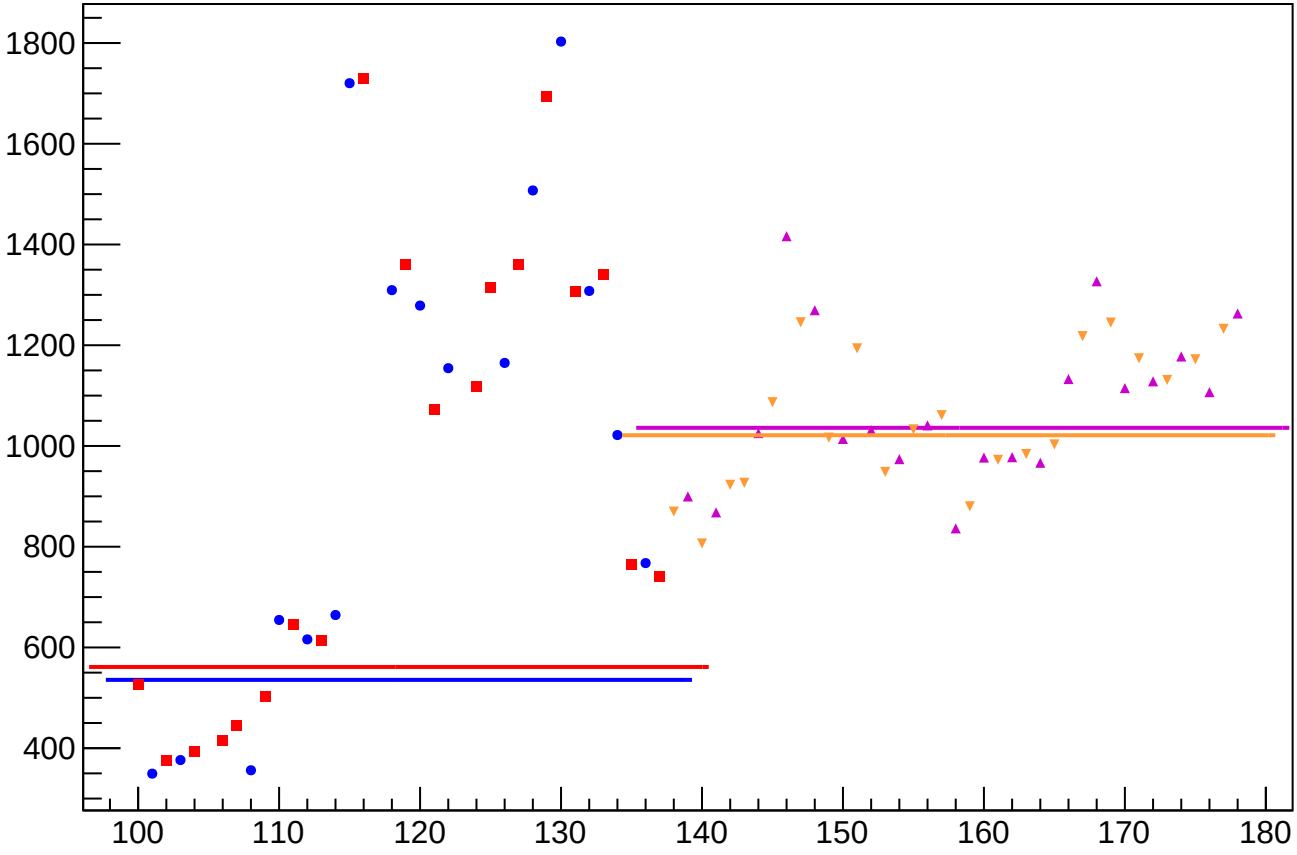
+ sign 132.934+/-0.020 χ^2/NDF: 2210862.4/36

All: 131.887+/-0.014 χ^2/NDF: 5073487.6/75

- sign 130.851+/-0.020 χ^2/NDF: 2857013.8/38


asym_sam6_cor_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
180
Right In: 271.645+/-230.655 χ²/NDF: 16.5/15
Left Out: 334.540+/-252.833 χ²/NDF:31.1/20
Right Out: -97.847+/-232.781 χ²/NDF: 16.1/18
Left In: 97.273+/-259.281 χ²/NDF:32.2/19
+ sign 300.214+/-170.400 χ²/NDF: 47.6/36
All: 147.271+/-121.474 χ²/NDF: 97.9/75
- sign -10.764+/-173.215 χ²/NDF: 48.7/38

asym_sam6_cor_correction_rms vs Slug



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 1021.288+/-0.179 χ^2/NDF:561234.7/20

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

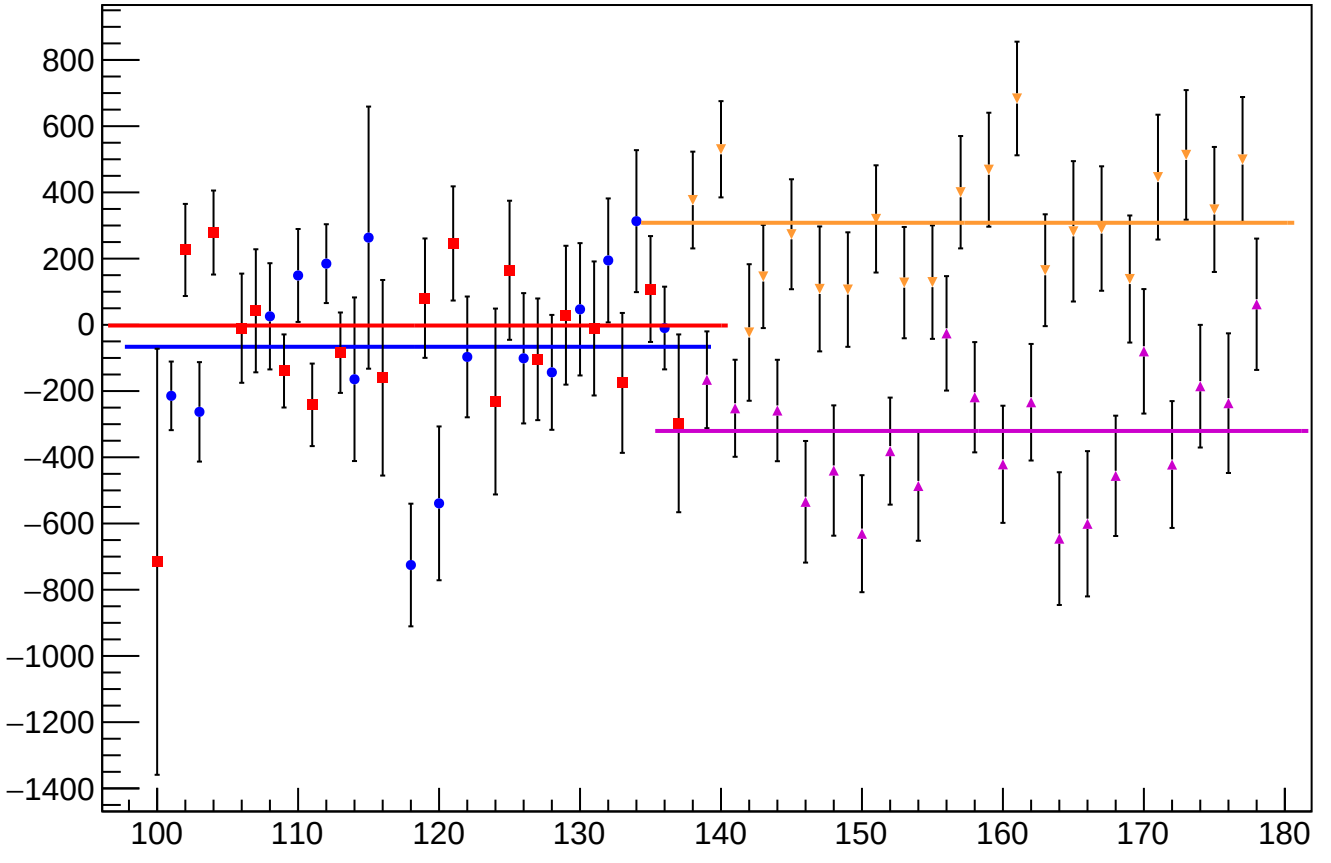
Left In: 1036.057+/-0.183 χ^2/NDF:607034.0/19

+ sign 756.245+/-0.120 χ^2/NDF: 8220797.4/36

All: 764.568+/-0.086 χ^2/NDF: 15681604.5/75

- sign 773.168+/-0.122 χ^2/NDF: 7451106.2/38

eigen_cor_asym_sam6_mean vs Slug



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 308.237+/-38.075 χ^2/NDF:21.2/20

Right Out: -2.062+/-38.937 χ^2/NDF: 21.1/18

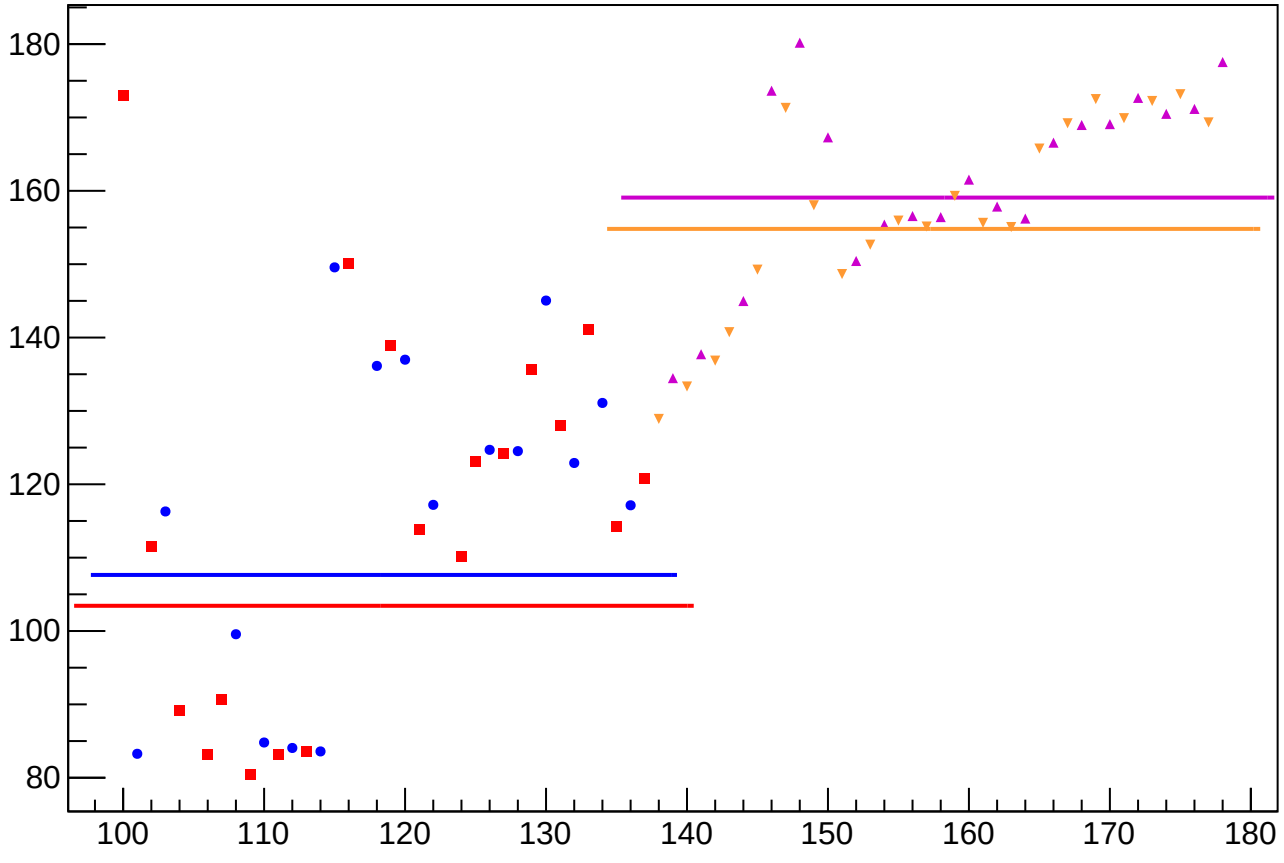
Left In: -320.488+/-39.510 χ^2/NDF:22.5/19

+ sign 134.539+/-27.880 χ^2/NDF: 100.5/36

All: -12.982+/-19.662 χ^2/NDF: 232.7/75

- sign -158.949+/-27.733 χ^2/NDF: 76.5/38

eigen_cor_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 154.811+/-0.027 χ^2/NDF:254441.8/20

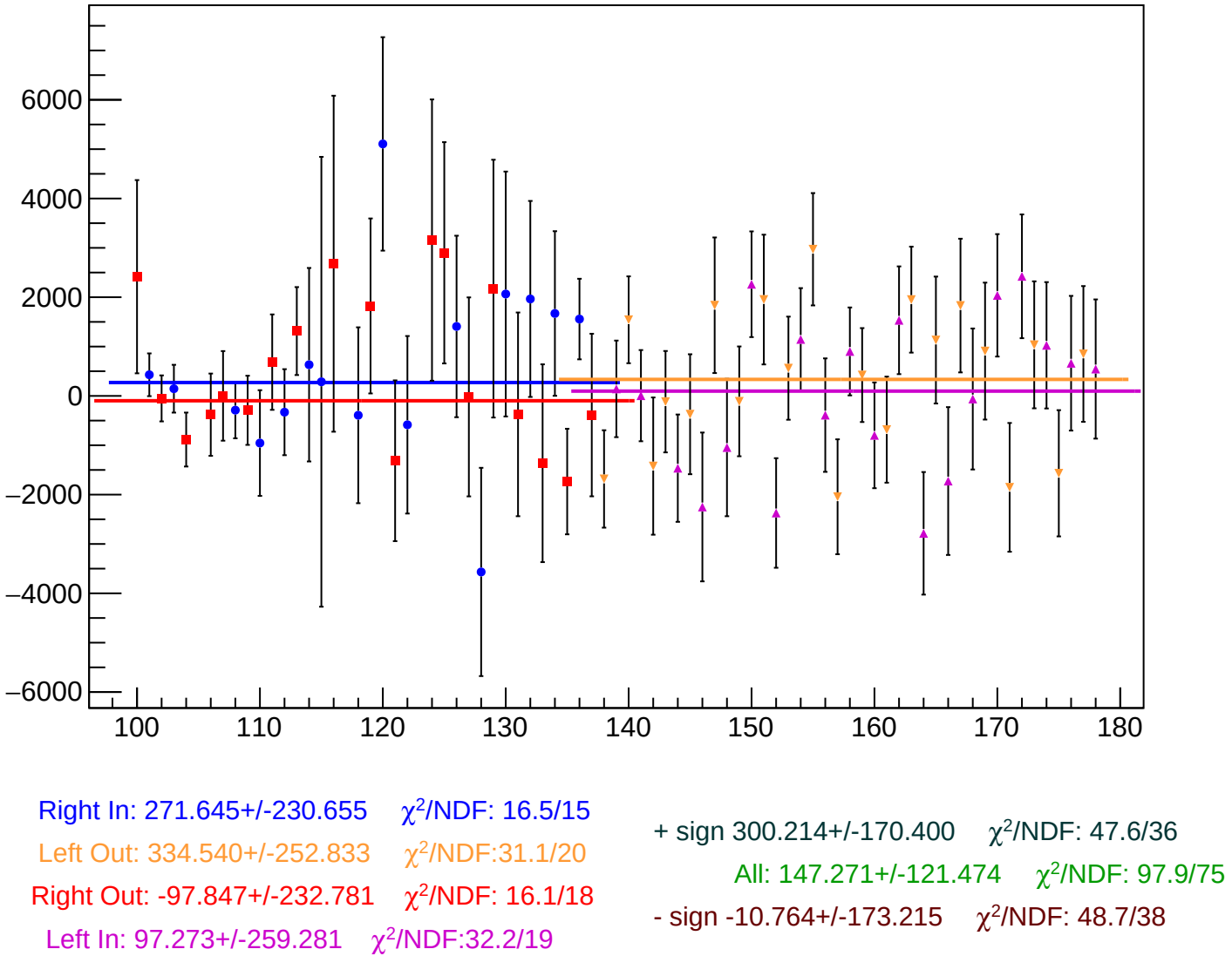
Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 159.078+/-0.028 χ^2/NDF:220069.5/19

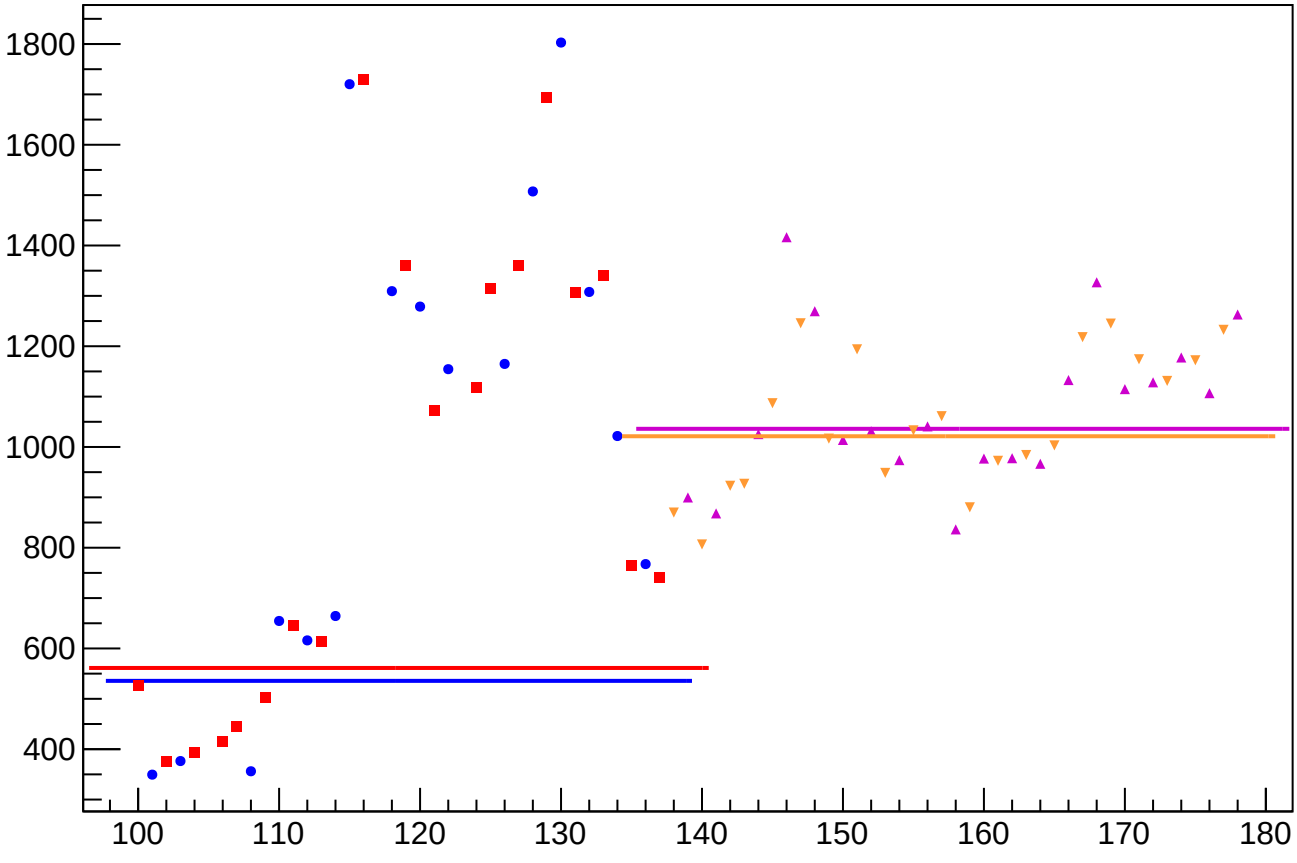
+ sign 132.934+/-0.020 χ^2/NDF: 2210862.4/36

All: 131.887+/-0.014 χ^2/NDF: 5073487.6/75

- sign 130.851+/-0.020 χ^2/NDF: 2857013.8/38


asym_sam6_eigen_cor_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
180
Right In: 271.645+/-230.655 χ²/NDF: 16.5/15
Left Out: 334.540+/-252.833 χ²/NDF:31.1/20
Right Out: -97.847+/-232.781 χ²/NDF: 16.1/18
Left In: 97.273+/-259.281 χ²/NDF:32.2/19
+ sign 300.214+/-170.400 χ²/NDF: 47.6/36
All: 147.271+/-121.474 χ²/NDF: 97.9/75
- sign -10.764+/-173.215 χ²/NDF: 48.7/38

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 1021.288+/-0.179 χ^2/NDF:561234.7/20

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

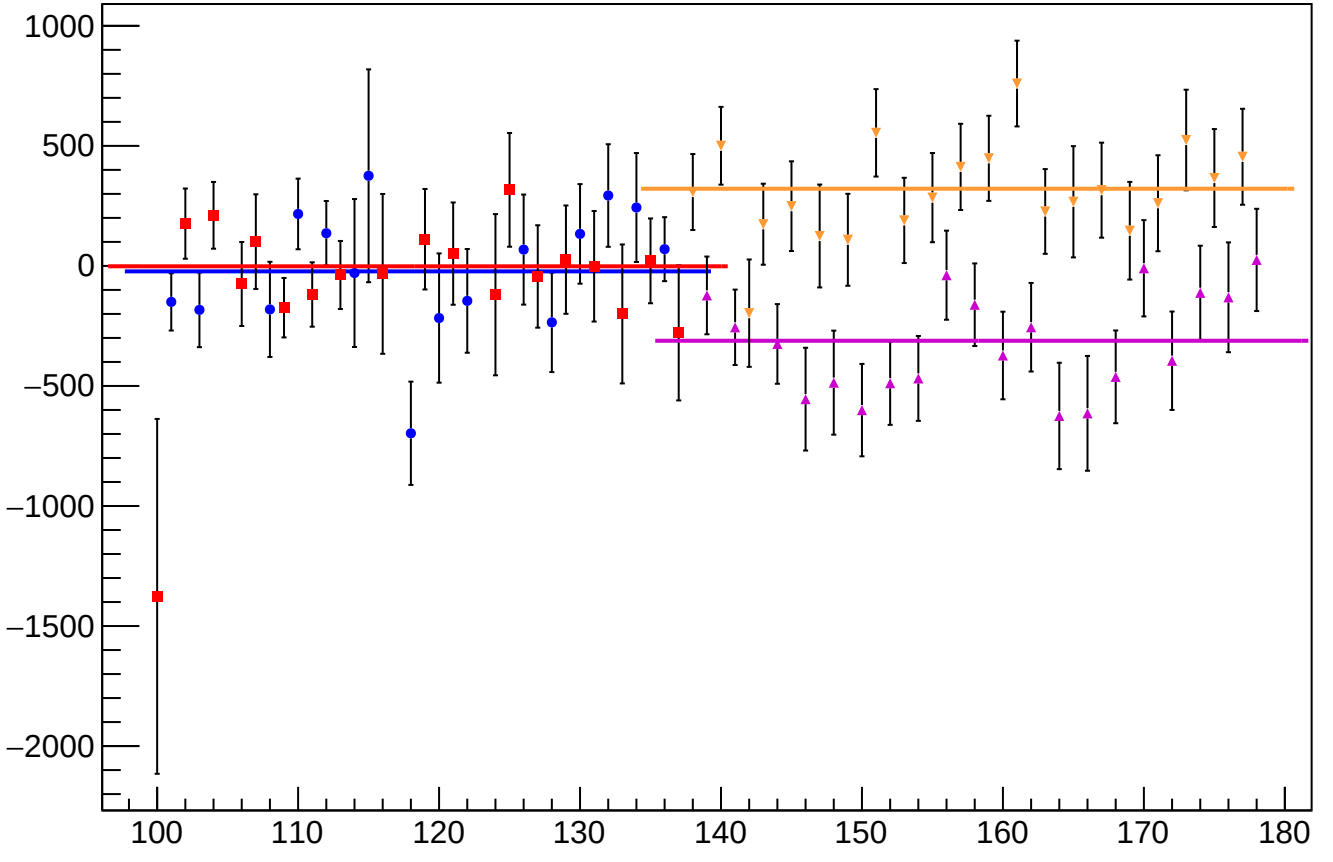
Left In: 1036.057+/-0.183 χ^2/NDF:607034.0/19

+ sign 756.245+/-0.120 χ^2/NDF: 8220797.4/36

All: 764.568+/-0.086 χ^2/NDF: 15681604.5/75

- sign 773.168+/-0.122 χ^2/NDF: 7451106.2/38

dit_asym_sam6_mean vs Slug



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 321.509+/-41.057 χ^2/NDF:21.2/20

Right Out: -1.600+/-43.563 χ^2/NDF: 14.3/18

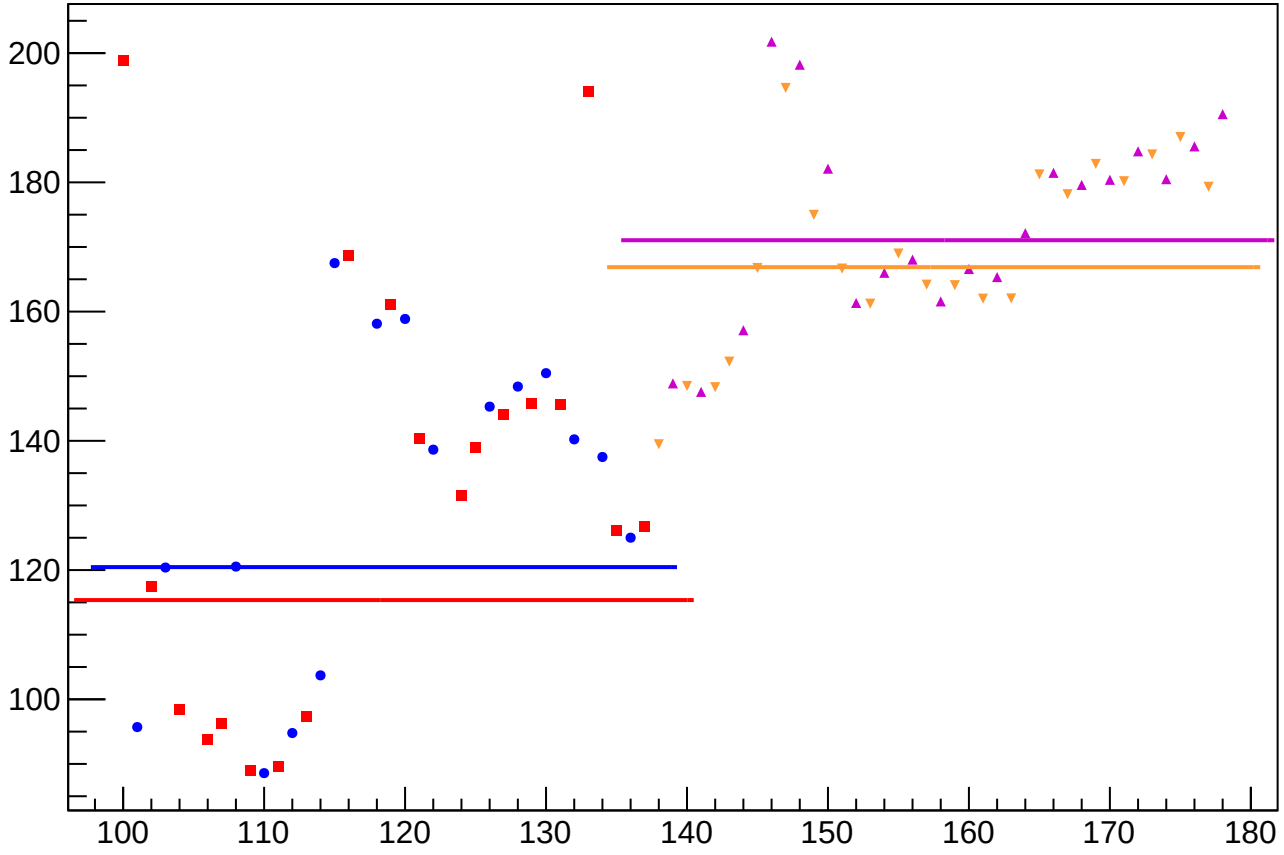
Left In: -311.741+/-42.517 χ^2/NDF:21.4/19

+ sign 168.557+/-30.604 χ^2/NDF: 76.6/36

All: 3.108+/-21.577 χ^2/NDF: 196.4/75

- sign -160.439+/-30.427 χ^2/NDF: 61.7/38

dit_asym_sam6_rms vs Slug



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 166.878+/-0.029 χ^2/NDF:234453.0/20

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

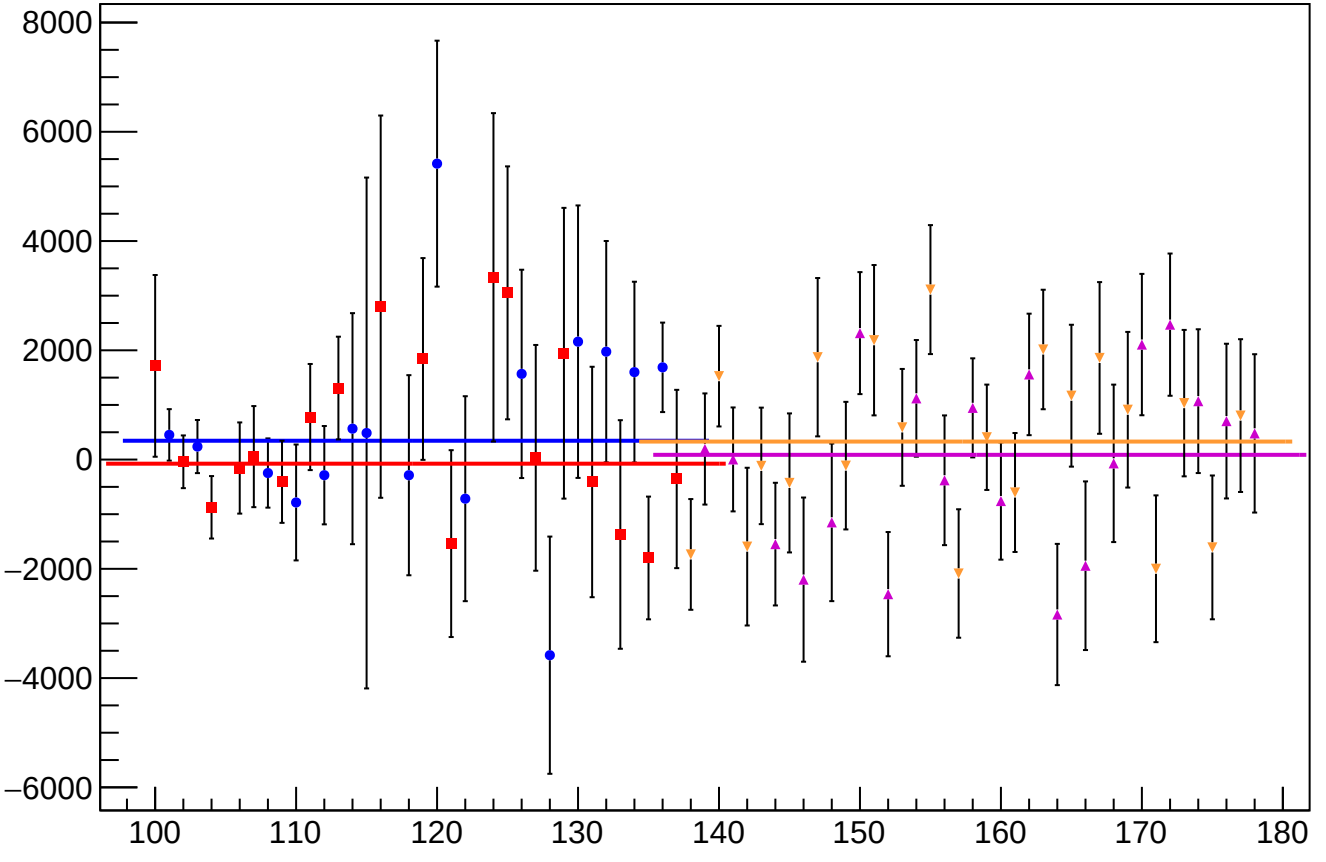
Left In: 171.046+/-0.030 χ^2/NDF:243703.6/19

+ sign 146.250+/-0.022 χ^2/NDF: 1900893.8/36

All: 145.057+/-0.015 χ^2/NDF: 4591802.9/75

- sign 143.878+/-0.022 χ^2/NDF: 2684871.4/38

asym_sam6_dit_correction_mean vs Slug



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: 329.499+/-260.448 χ^2/NDF:31.6/20

Right Out: -75.434+/-240.479 χ^2/NDF: 15.3/18

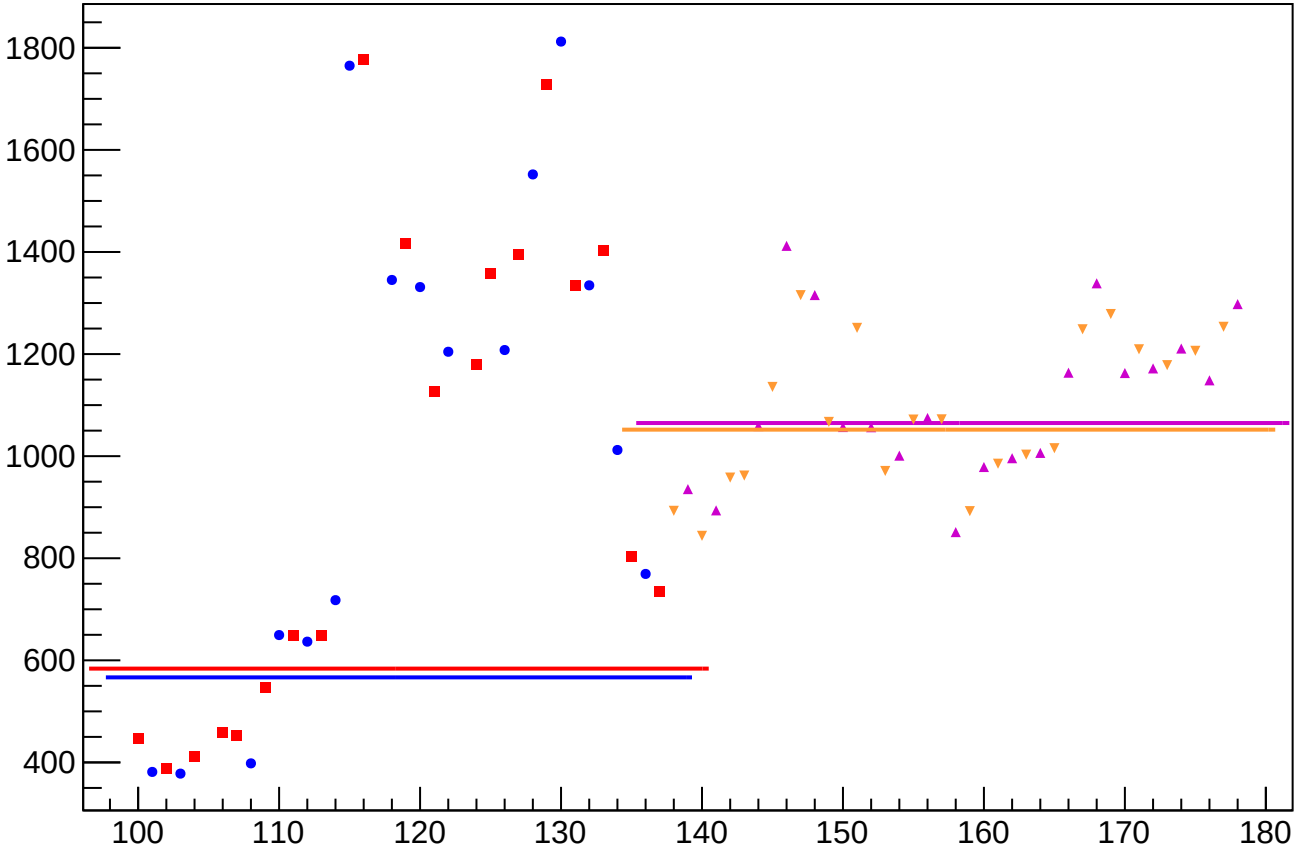
Left In: 86.575+/-266.480 χ^2/NDF:32.0/19

+ sign 337.530+/-177.099 χ^2/NDF: 47.8/36

All: 168.777+/-125.731 χ^2/NDF: 97.1/75

- sign -2.717+/-178.531 χ^2/NDF: 47.5/38

asym_sam6_dit_correction_rms vs Slug



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 1051.932+/-0.184 χ^2/NDF:576679.4/20

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

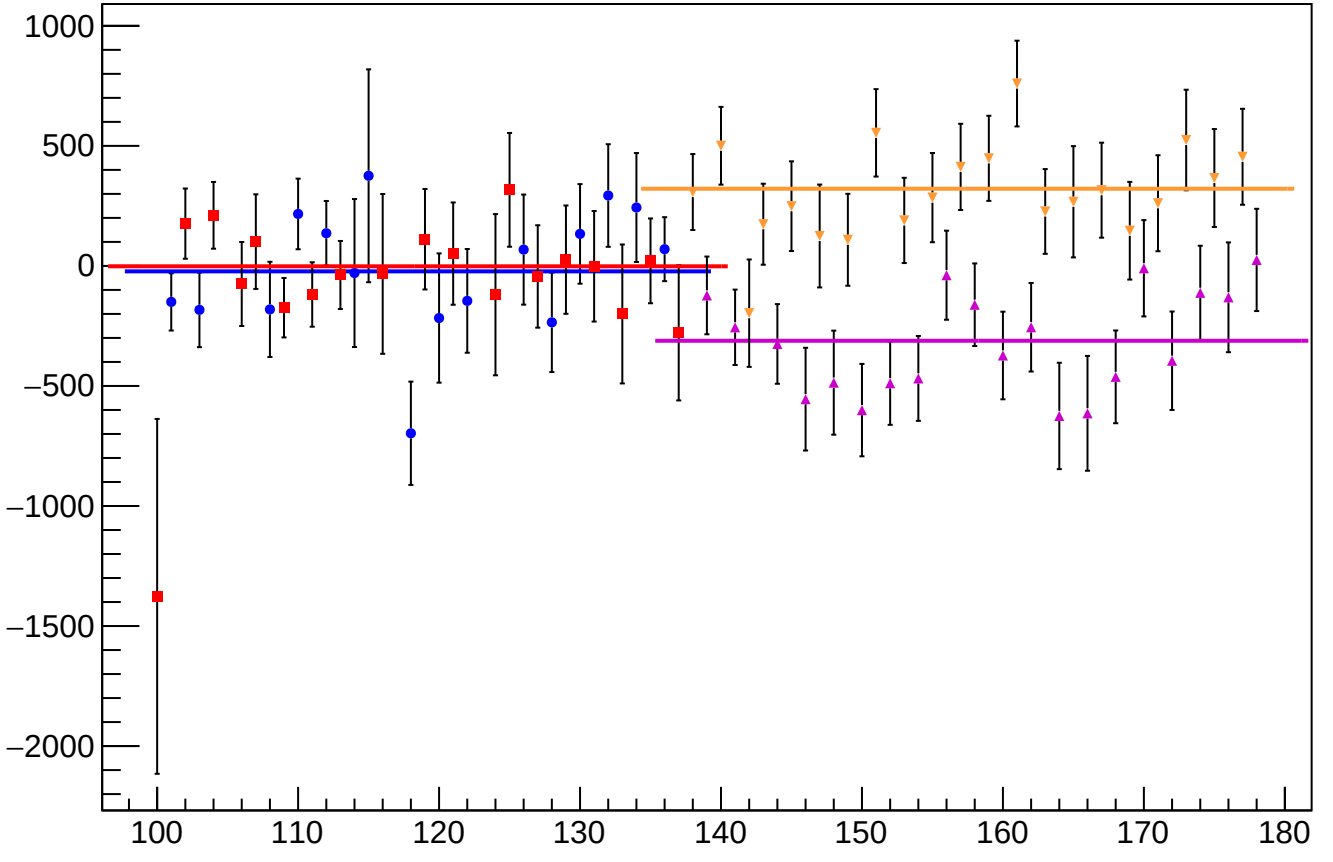
Left In: 1064.919+/-0.188 χ^2/NDF:596090.6/19

+ sign 791.005+/-0.125 χ^2/NDF: 7742847.1/36

All: 795.340+/-0.089 χ^2/NDF: 15042137.8/75

- sign 799.746+/-0.126 χ^2/NDF: 7296874.1/38

eigen_dit_asym_sam6_mean vs Slug



Right In: -22.680+/-45.908 χ^2/NDF: 24.2/15

Left Out: 321.510+/-41.057 χ^2/NDF:21.2/20

Right Out: -1.601+/-43.563 χ^2/NDF: 14.3/18

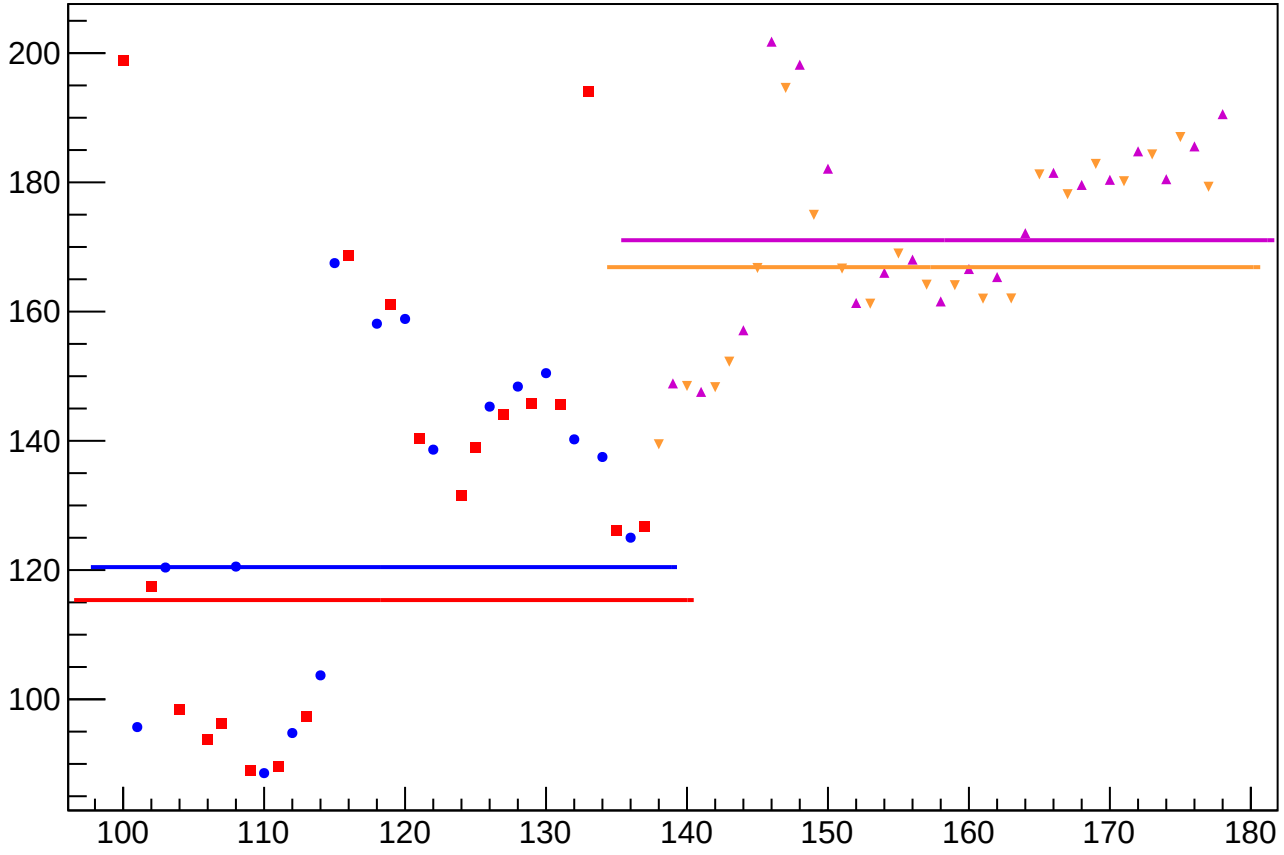
Left In: -311.741+/-42.517 χ^2/NDF:21.4/19

+ sign 168.557+/-30.603 χ^2/NDF: 76.6/36

All: 3.107+/-21.577 χ^2/NDF: 196.4/75

- sign -160.440+/-30.427 χ^2/NDF: 61.7/38

eigen_dit_asym_sam6_rms vs Slug



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 166.877+/-0.029 χ^2/NDF:234453.1/20

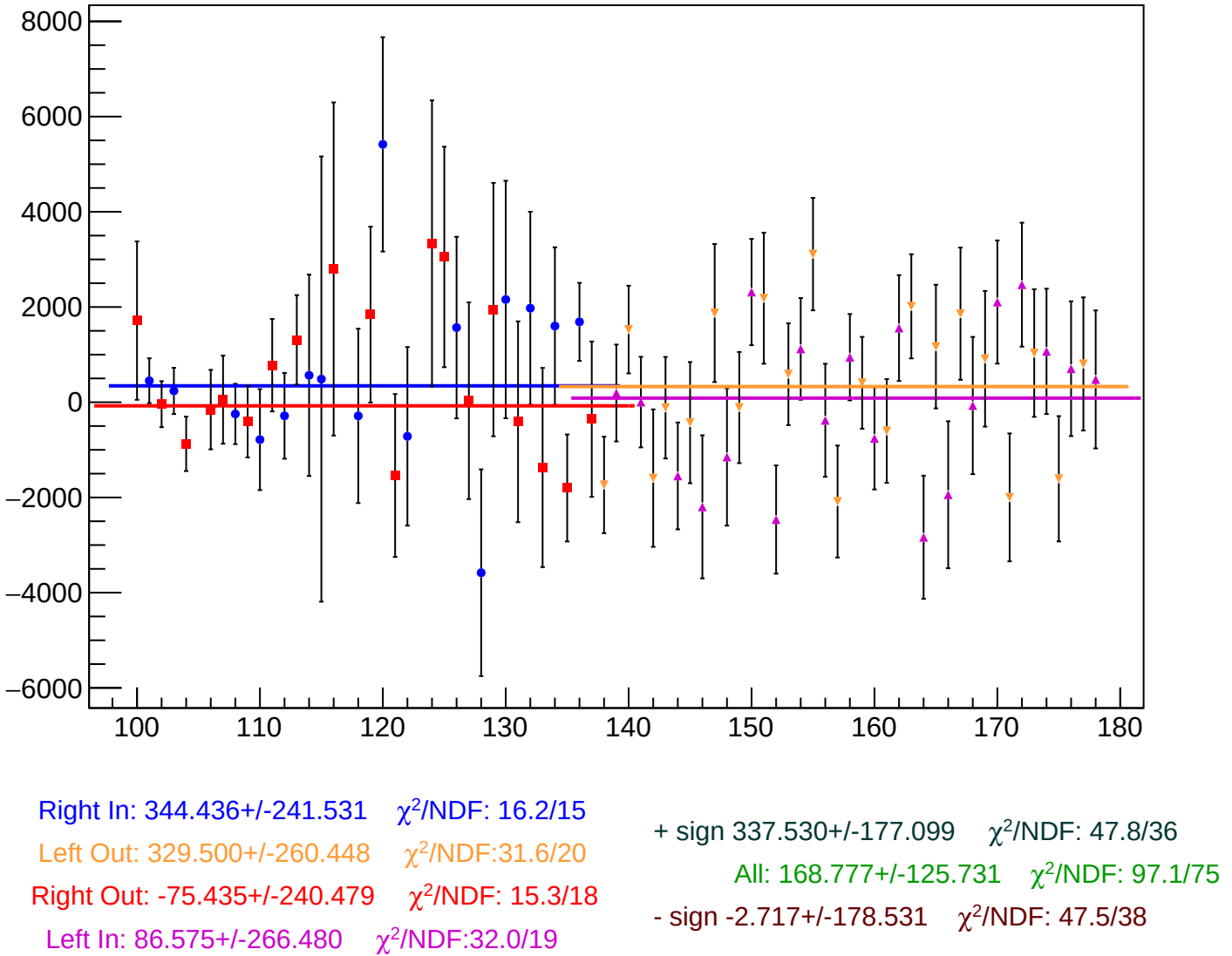
Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

Left In: 171.046+/-0.030 χ^2/NDF:243703.9/19

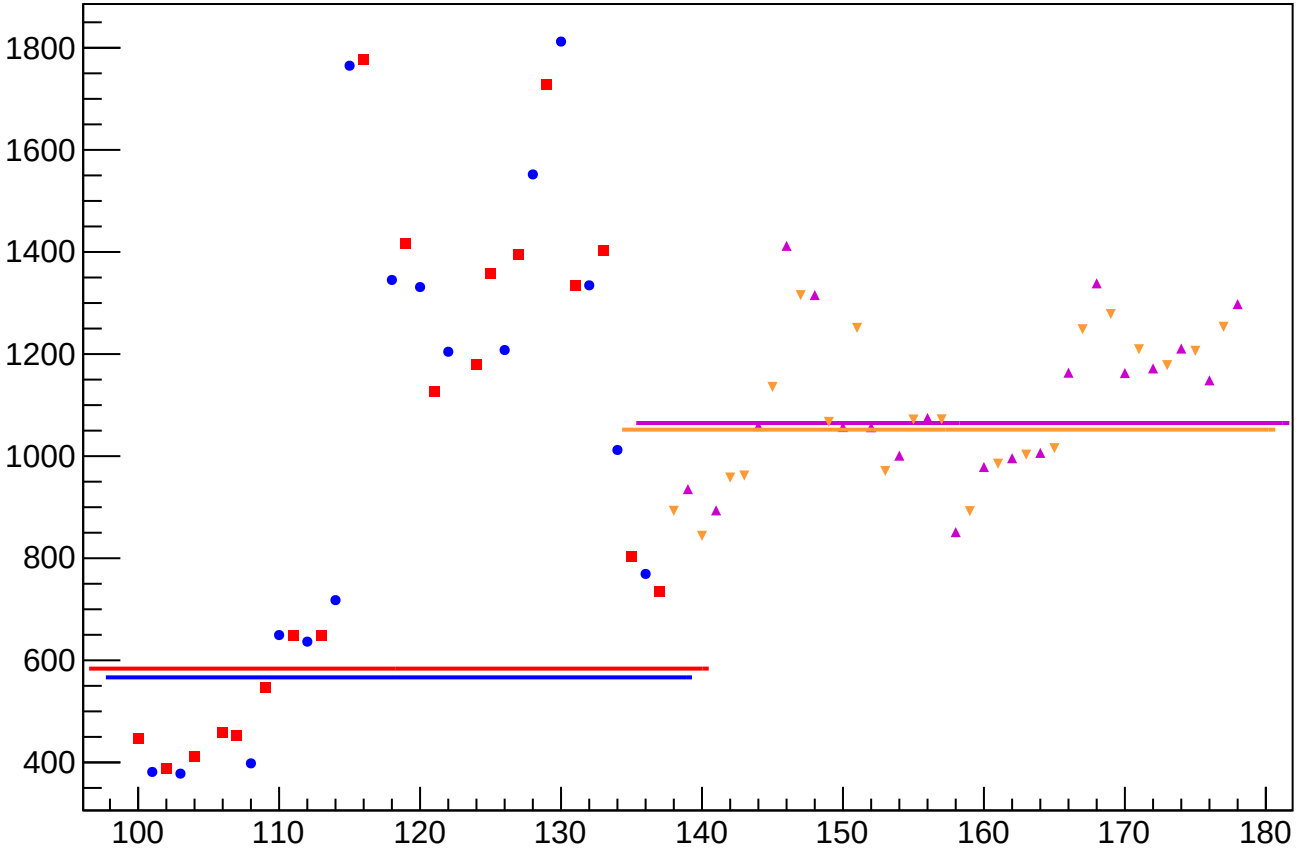
+ sign 146.249+/-0.022 χ^2/NDF: 1900904.2/36

All: 145.057+/-0.015 χ^2/NDF: 4591817.4/75

- sign 143.878+/-0.022 χ^2/NDF: 2684875.7/38


asym_sam6_eigen_dit_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
180
Right In: 344.436+/-241.531 χ²/NDF: 16.2/15
Left Out: 329.500+/-260.448 χ²/NDF:31.6/20
Right Out: -75.435+/-240.479 χ²/NDF: 15.3/18
Left In: 86.575+/-266.480 χ²/NDF:32.0/19
+ sign 337.530+/-177.099 χ²/NDF: 47.8/36
All: 168.777+/-125.731 χ²/NDF: 97.1/75
- sign -2.717+/-178.531 χ²/NDF: 47.5/38

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 1051.932+/-0.184 χ^2/NDF:576684.5/20

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

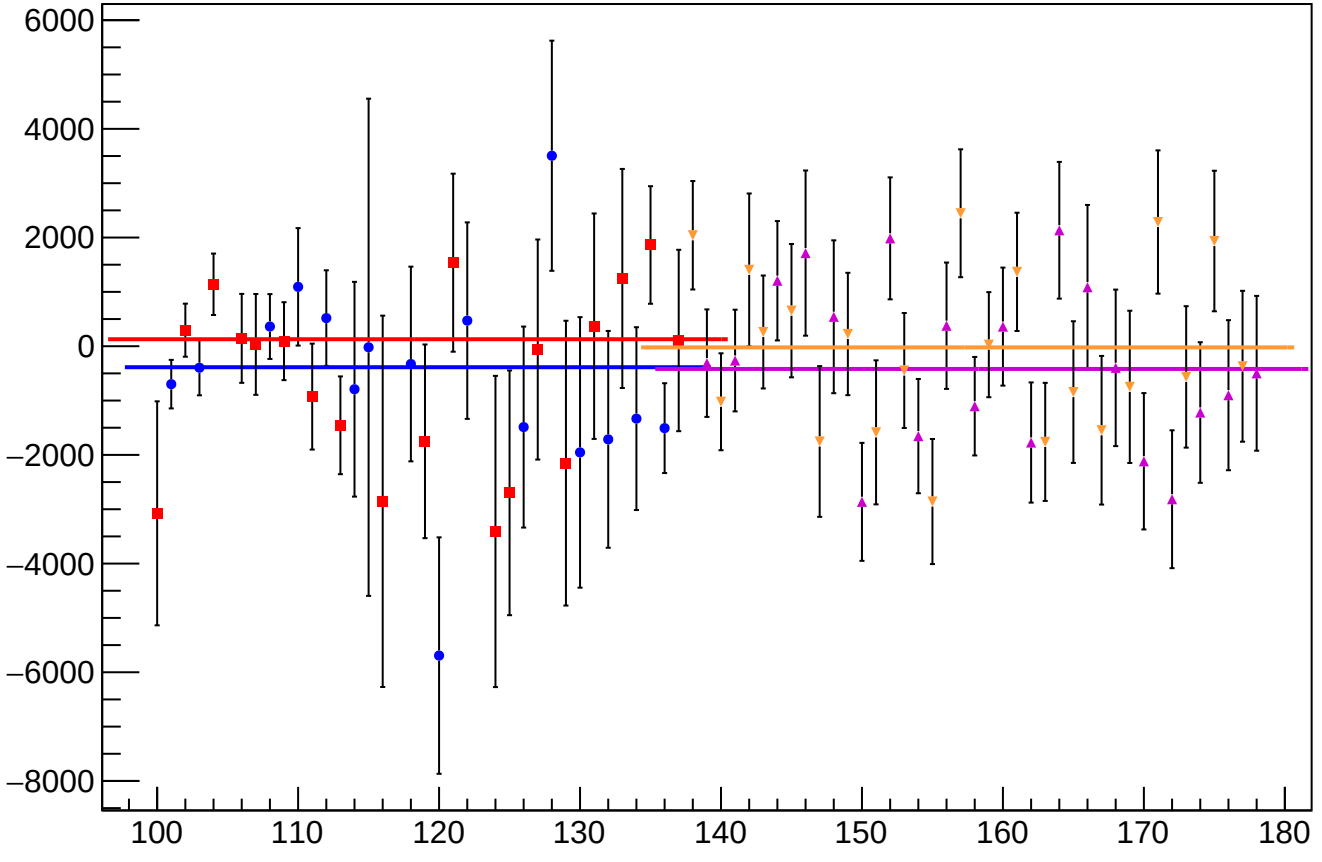
Left In: 1064.919+/-0.188 χ^2/NDF:596094.5/19

+ sign 791.004+/-0.125 χ^2/NDF: 7742873.5/36

All: 795.339+/-0.089 χ^2/NDF: 15042176.9/75

- sign 799.745+/-0.126 χ^2/NDF: 7296886.8/38

asym_sam6_mean vs Slug



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: -21.782+/-255.804 χ^2/NDF:32.3/20

Right Out: 128.583+/-238.241 χ^2/NDF: 19.4/18

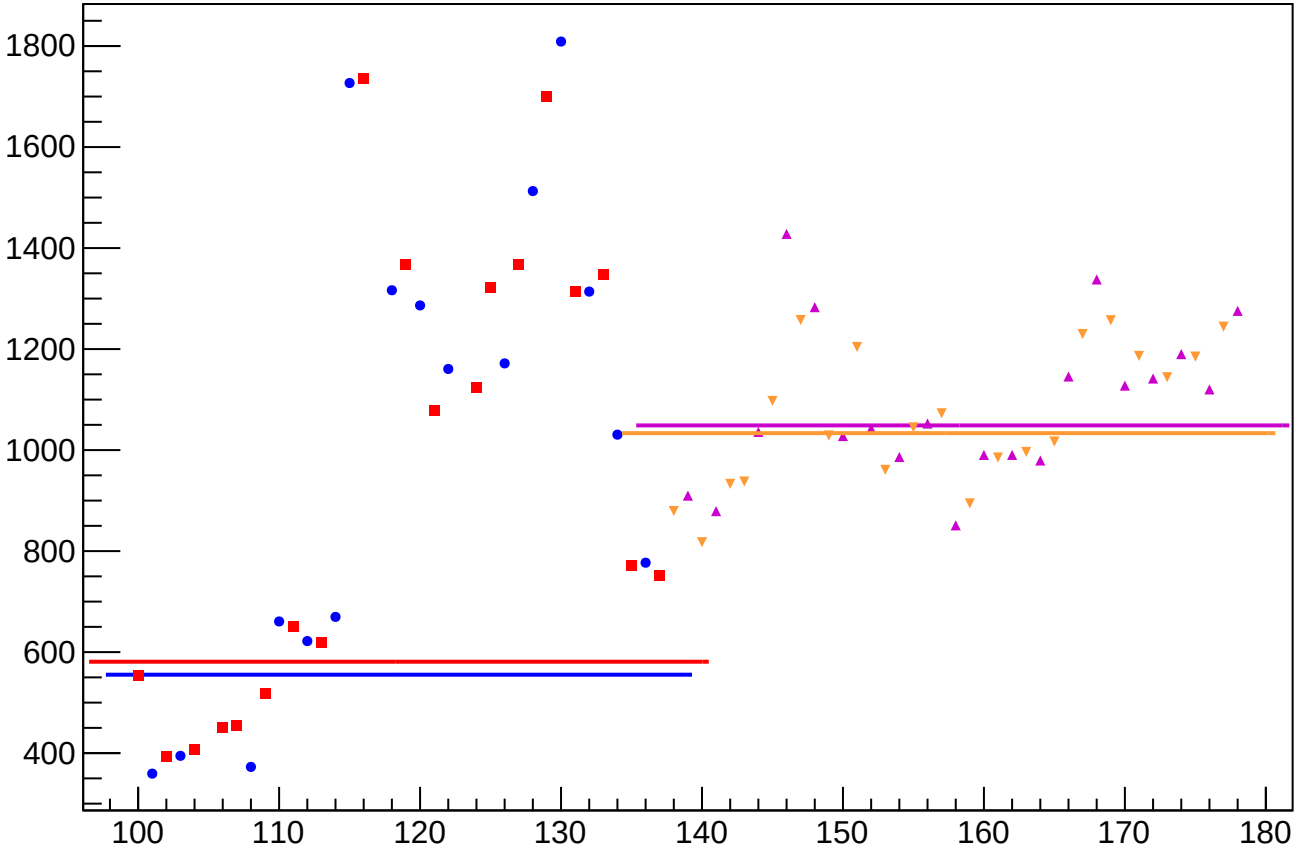
Left In: -418.297+/-262.412 χ^2/NDF:29.8/19

+ sign -217.648+/-174.059 χ^2/NDF: 51.3/36

All: -168.741+/-123.894 χ^2/NDF: 103.0/75

- sign -118.516+/-176.389 χ^2/NDF: 51.5/38

asym_sam6_rms vs Slug



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 1033.551+/-0.181 χ^2/NDF:549922.7/20

Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

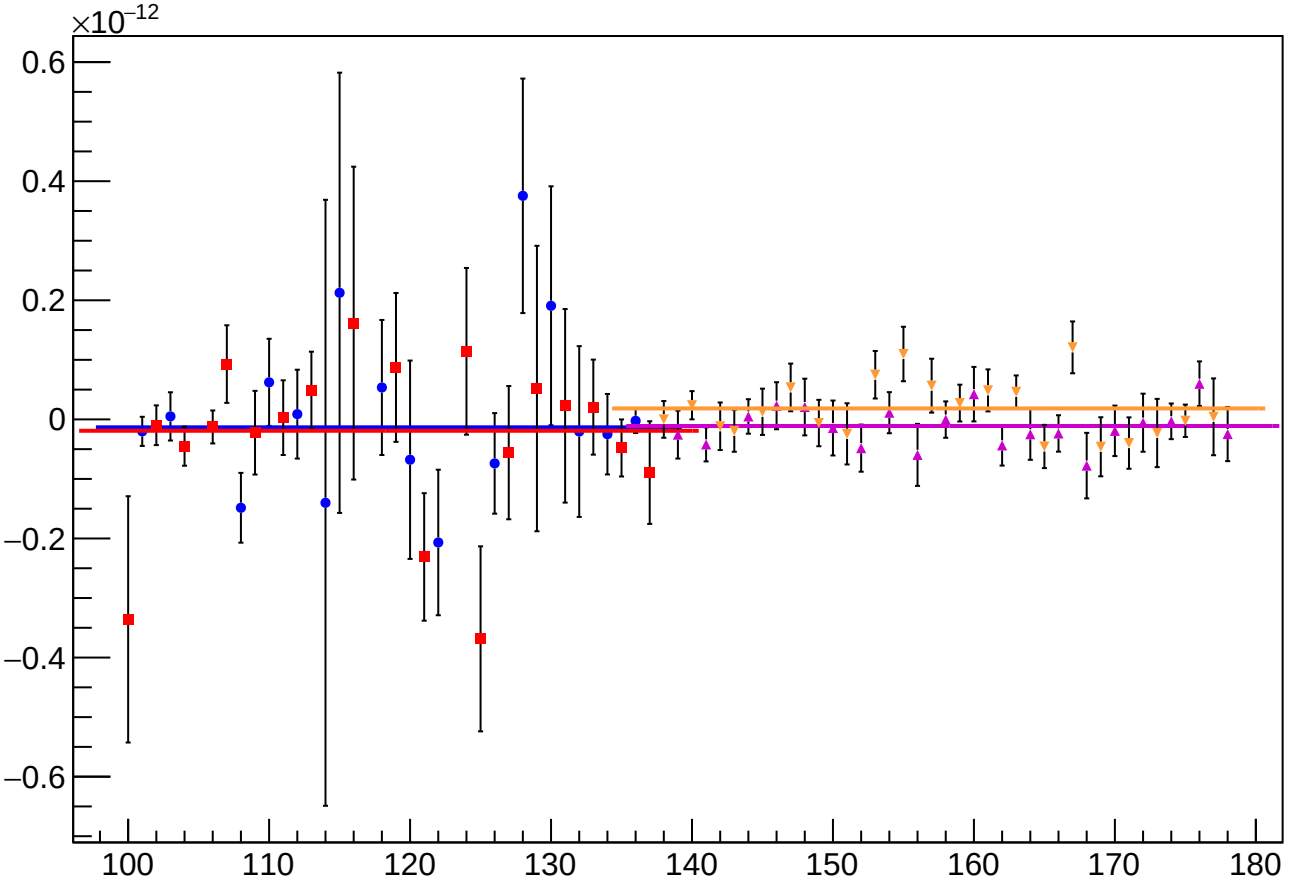
Left In: 1048.870+/-0.186 χ^2/NDF:593313.8/19

+ sign 776.724+/-0.123 χ^2/NDF: 7786649.7/36

All: 784.457+/-0.088 χ^2/NDF: 14856776.0/75

- sign 792.397+/-0.125 χ^2/NDF: 7062126.8/38

asym_sam6_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:25.9/20

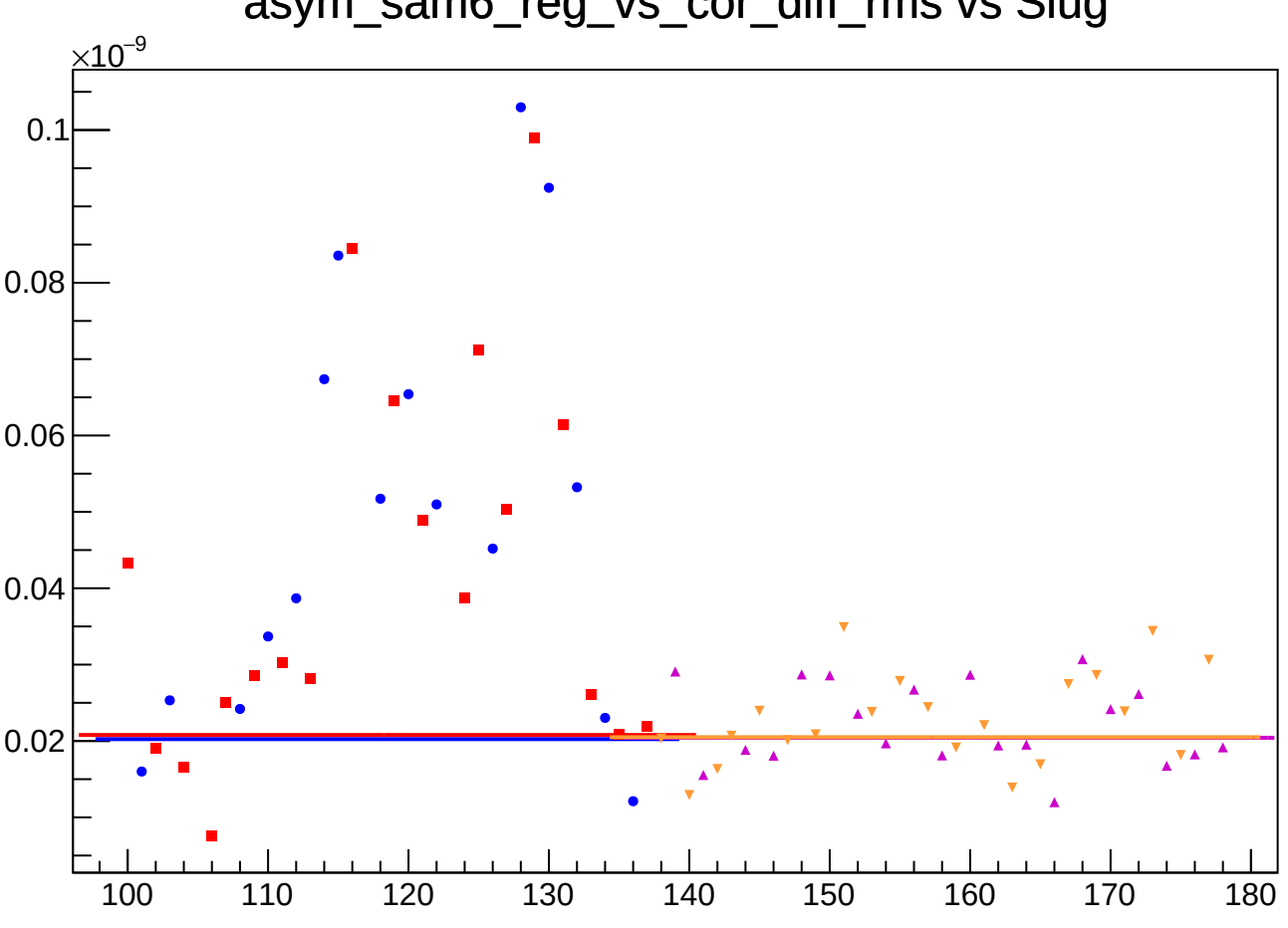
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:12.9/19

+ sign 0.000+/-0.000 χ^2/NDF: 46.1/36

All: -0.000+/-0.000 χ^2/NDF: 84.4/75

- sign -0.000+/-0.000 χ^2/NDF: 33.0/38



Right In: 0.000+/-0.000 χ^2/NDF: 2004678.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:921211.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1855885.9/18

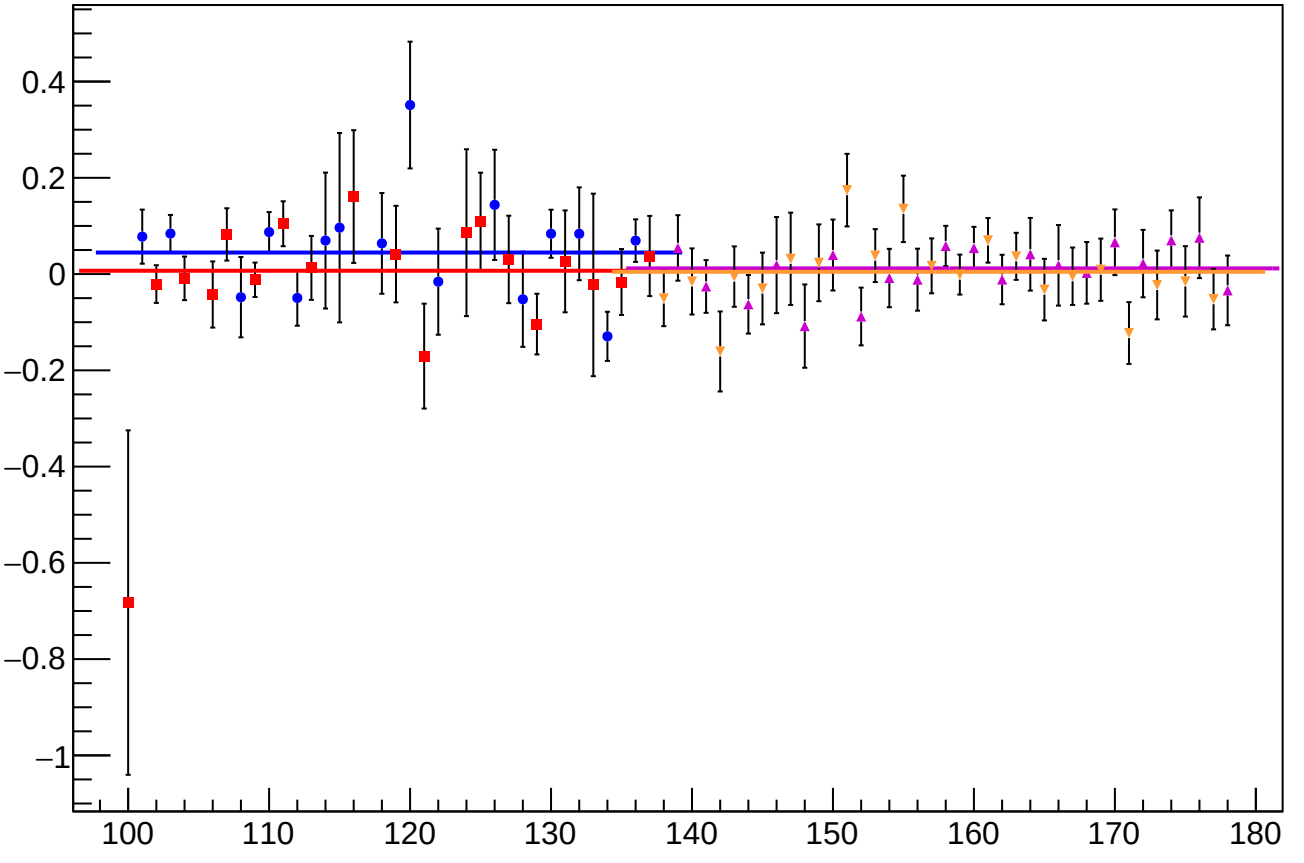
Left In: 0.000+/-0.000 χ^2/NDF:713438.9/19

+ sign 0.000+/-0.000 χ^2/NDF: 2926414.9/36

All: 0.000+/-0.000 χ^2/NDF: 5496935.5/75

- sign 0.000+/-0.000 χ^2/NDF: 2570330.3/38

asym_sam6_dit_vs_cor_diff_mean vs Slug



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.005+/-0.013 χ^2/NDF:22.2/20

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

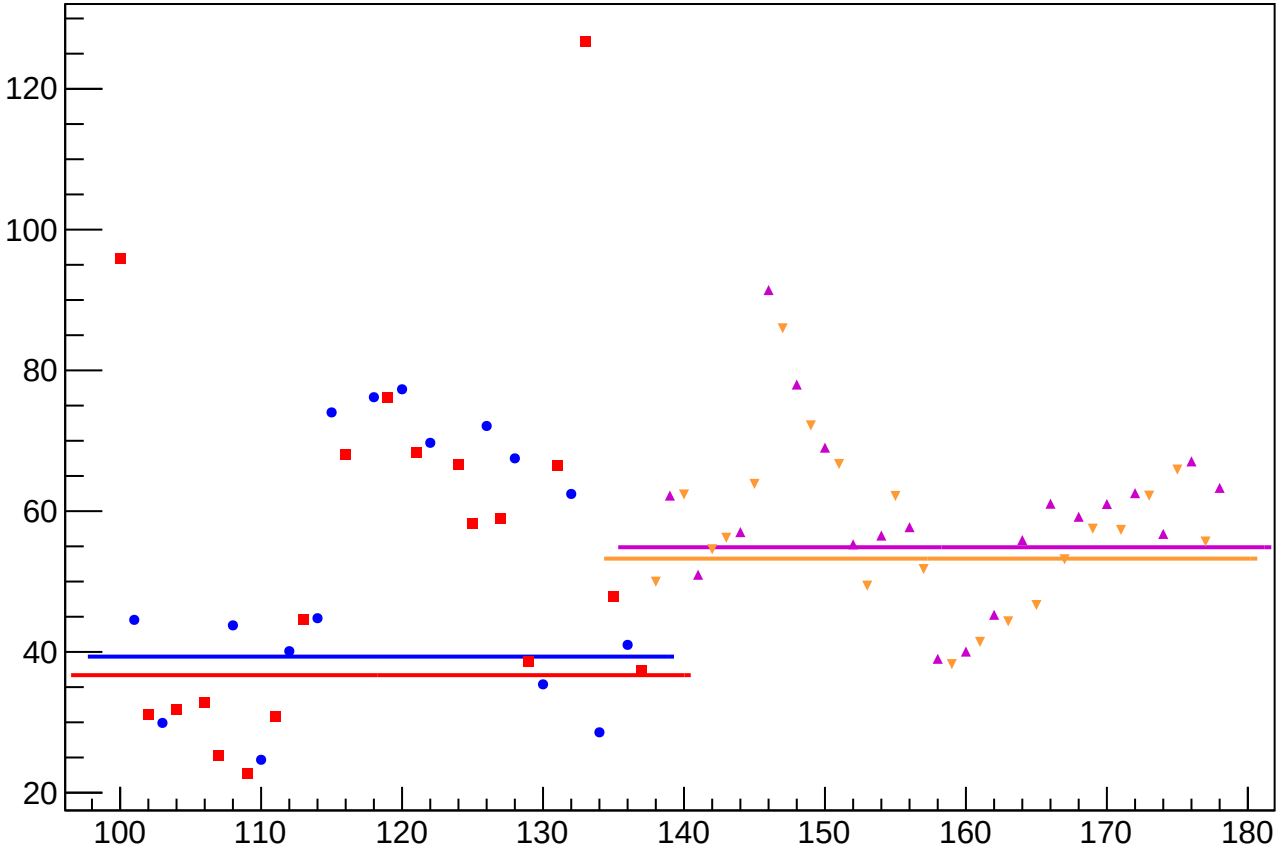
Left In: 0.012+/-0.014 χ^2/NDF:12.5/19

+ sign 0.021+/-0.010 χ^2/NDF: 52.5/36

All: 0.015+/-0.007 χ^2/NDF: 85.8/75

- sign 0.010+/-0.010 χ^2/NDF: 32.7/38

asym_sam6_dit_vs_cor_diff_rms vs Slug



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 53.257+/-0.010 χ^2/NDF:1130051.5/20

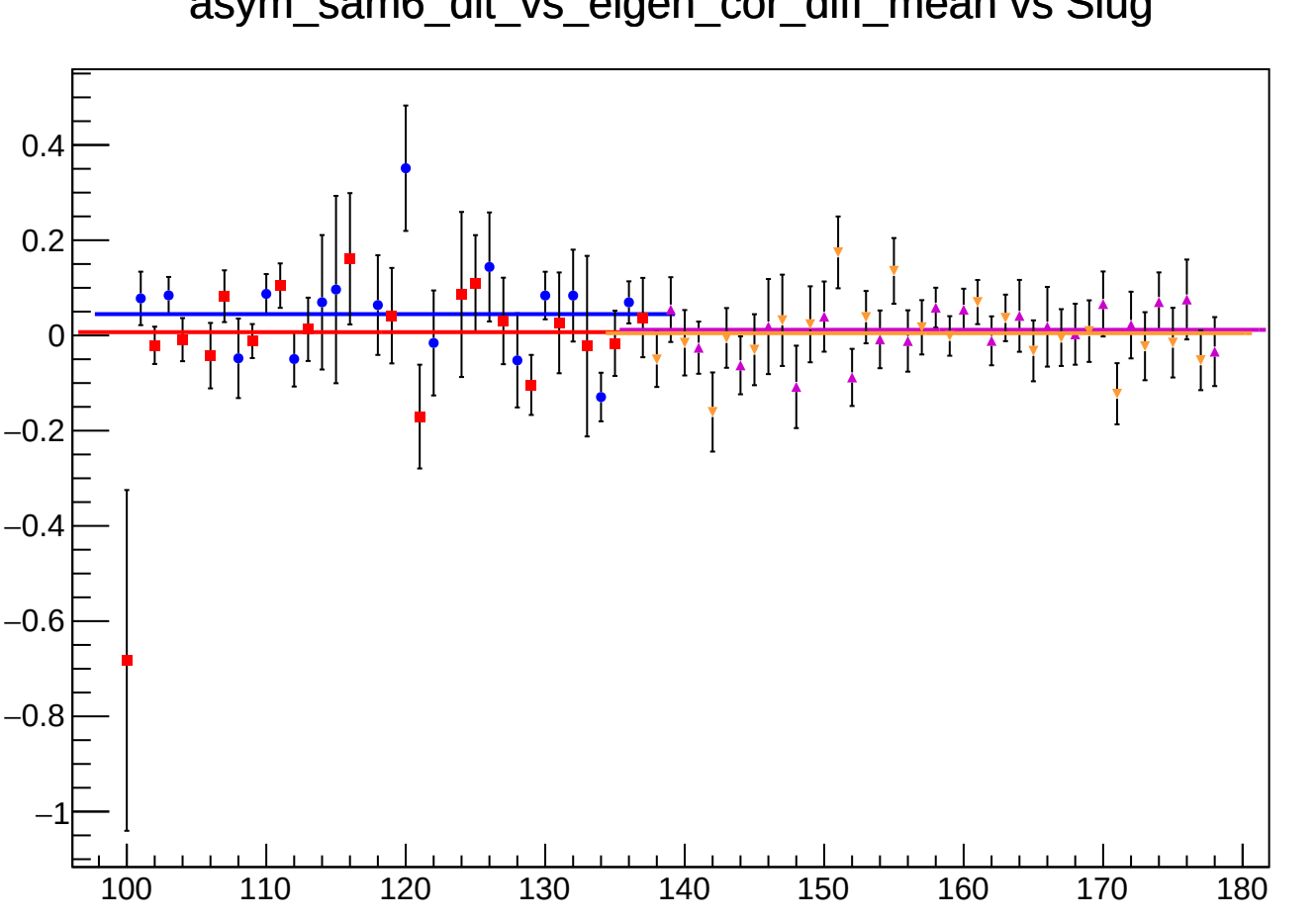
Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 54.874+/-0.010 χ^2/NDF:1240346.4/19

\+ sign 47.477+/-0.007 χ^2/NDF: 3579846.7/36

All: 46.960+/-0.005 χ^2/NDF: 8478441.2/75

\- sign 46.446+/-0.007 χ^2/NDF: 4888587.3/38



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.005+/-0.013 χ^2/NDF:22.2/20

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

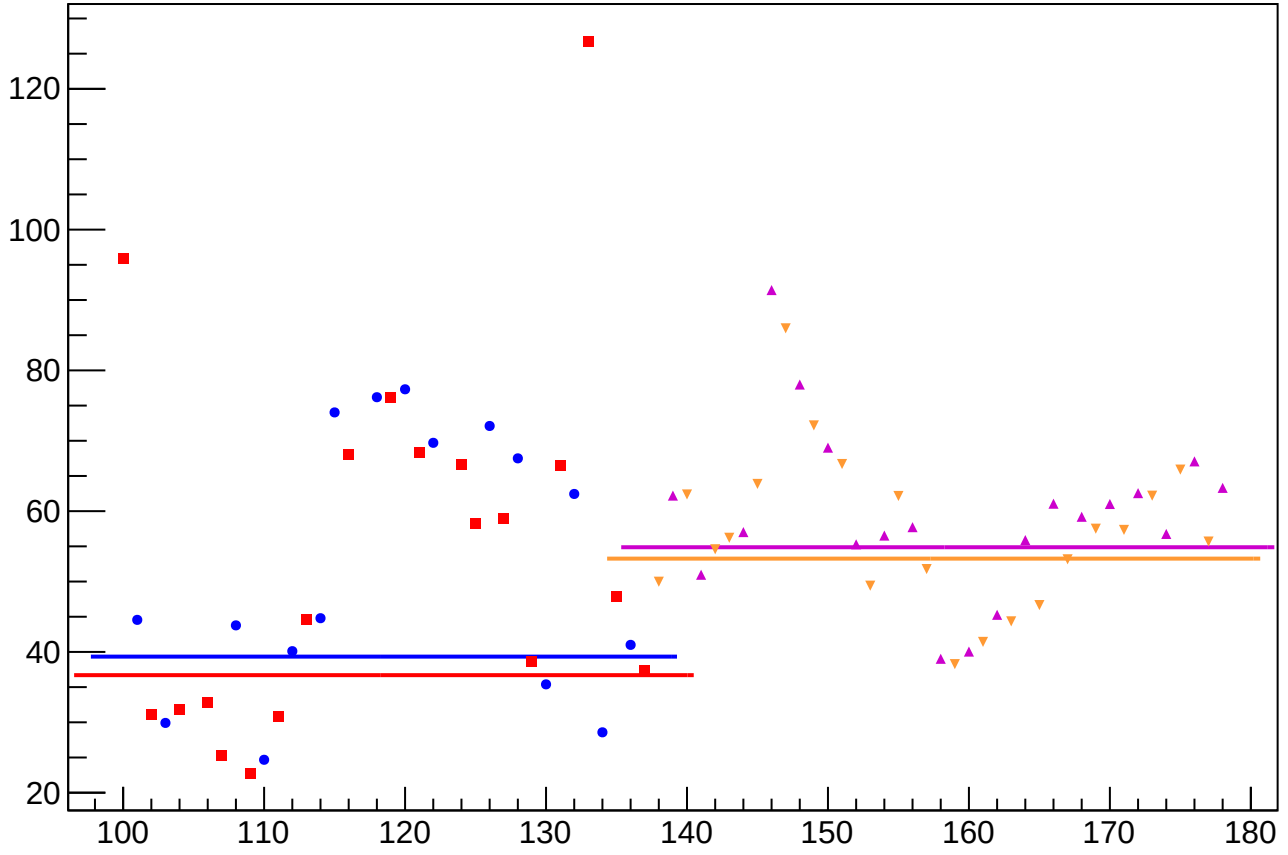
Left In: 0.012+/-0.014 χ^2/NDF:12.5/19

+ sign 0.021+/-0.010 χ^2/NDF: 52.5/36

All: 0.015+/-0.007 χ^2/NDF: 85.8/75

- sign 0.010+/-0.010 χ^2/NDF: 32.7/38

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 53.257+/-0.010 χ^2/NDF:1130051.5/20

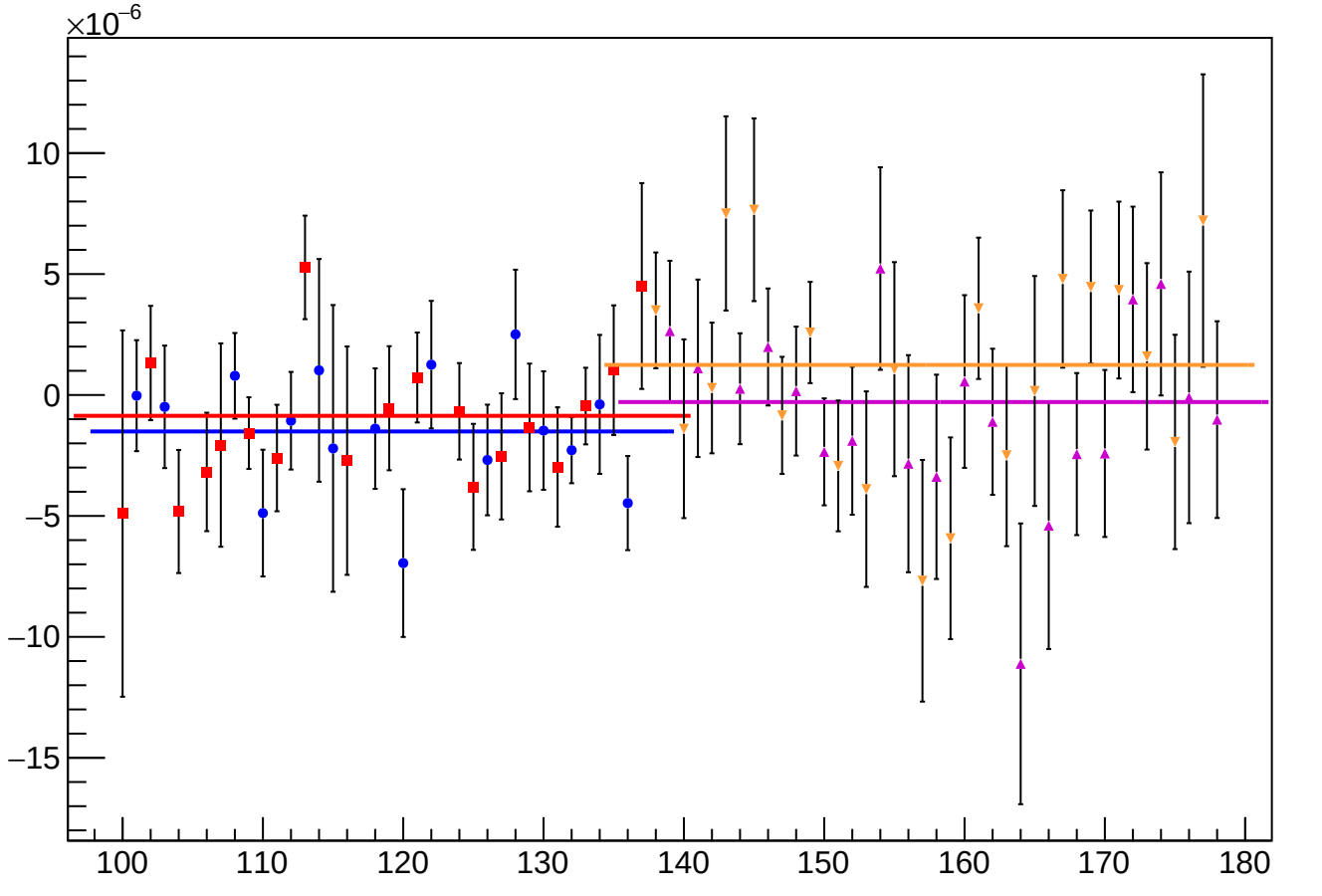
Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 54.874+/-0.010 χ^2/NDF:1240346.4/19

+ sign 47.477+/-0.007 χ^2/NDF: 3579846.7/36

All: 46.960+/-0.005 χ^2/NDF: 8478441.2/75

- sign 46.446+/-0.007 χ^2/NDF: 4888587.3/38



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.0/20

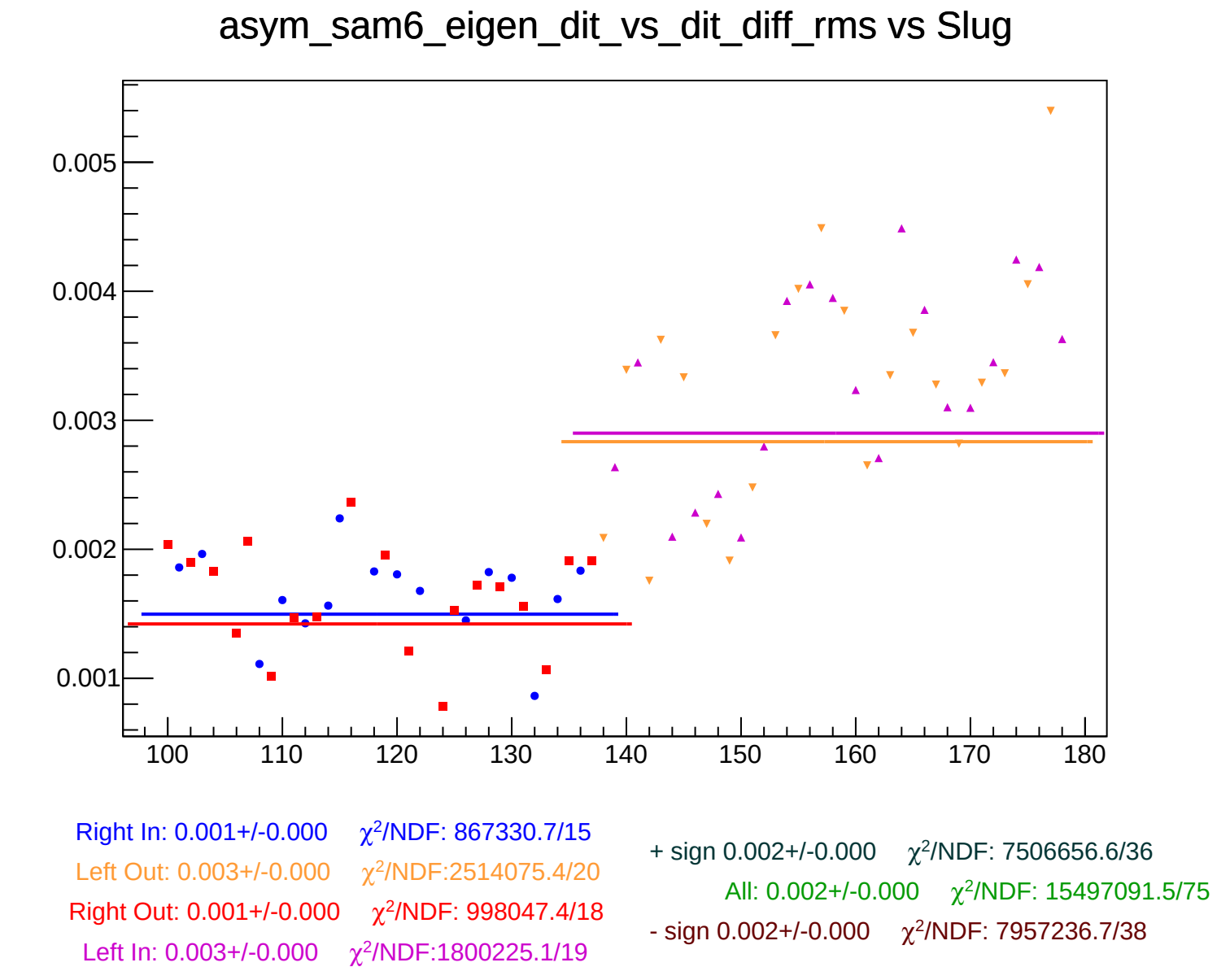
Right Out: -0.000+/-0.000 χ^2/NDF: 19.1/18

Left In: -0.000+/-0.000 χ^2/NDF:13.7/19

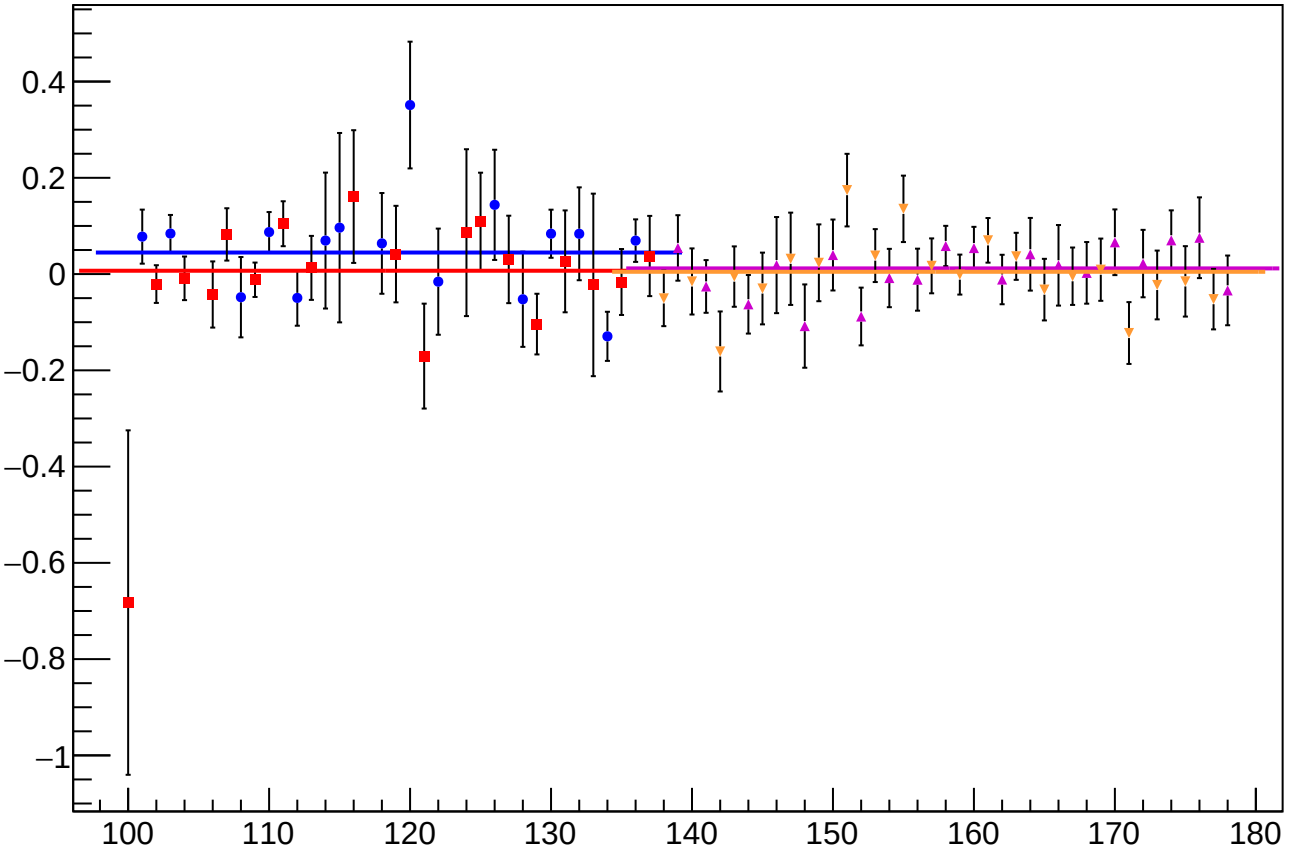
+ sign -0.000+/-0.000 χ^2/NDF: 46.6/36

All: -0.000+/-0.000 χ^2/NDF: 79.9/75

- sign -0.000+/-0.000 χ^2/NDF: 33.2/38


asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 867330.7/15
Left Out: 0.003+/-0.000 χ²/NDF:2514075.4/20
Right Out: 0.001+/-0.000 χ²/NDF: 998047.4/18
Left In: 0.003+/-0.000 χ²/NDF:1800225.1/19
+ sign 0.002+/-0.000 χ²/NDF: 7506656.6/36
All: 0.002+/-0.000 χ²/NDF: 15497091.5/75
- sign 0.002+/-0.000 χ²/NDF: 7957236.7/38

asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.005+/-0.013 χ^2/NDF:22.2/20

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

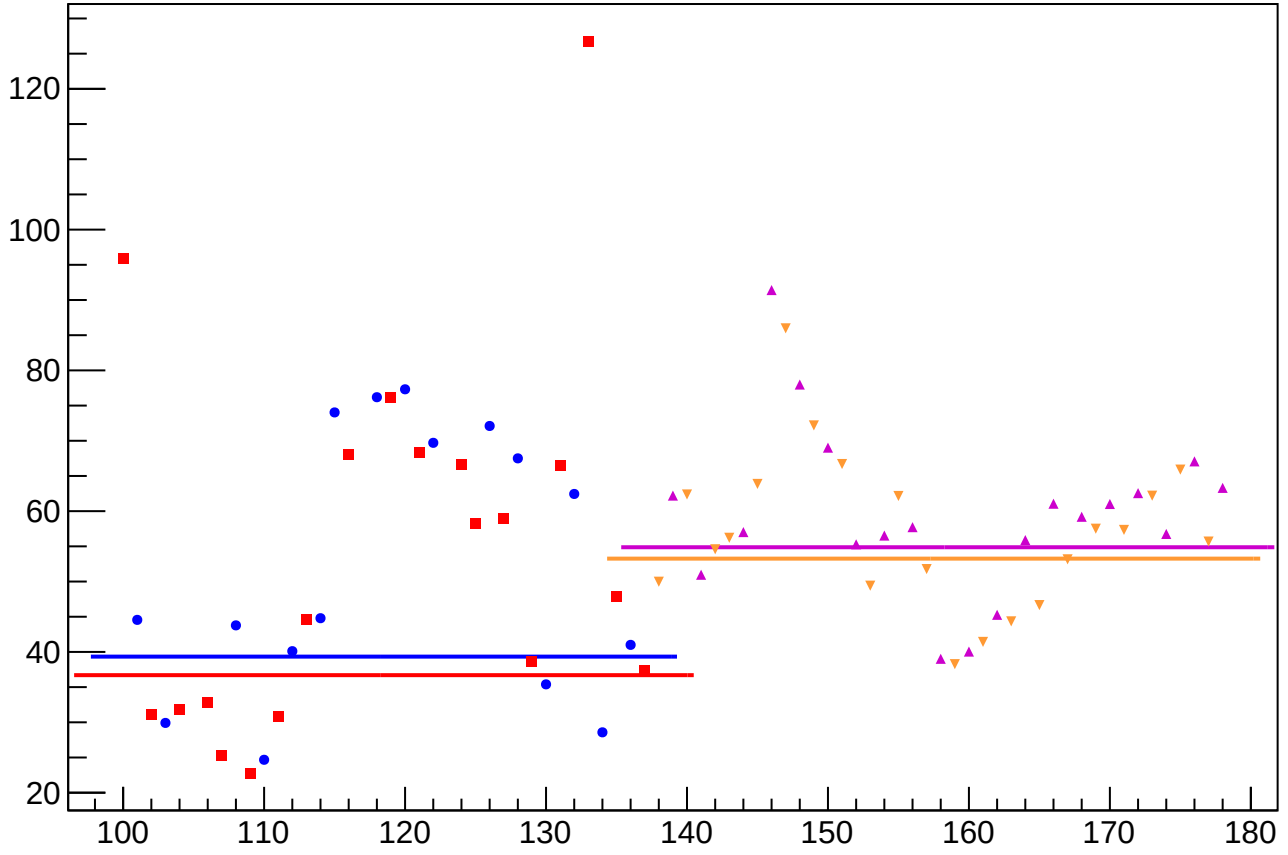
Left In: 0.012+/-0.014 χ^2/NDF:12.5/19

+ sign 0.021+/-0.010 χ^2/NDF: 52.5/36

All: 0.015+/-0.007 χ^2/NDF: 85.8/75

- sign 0.010+/-0.010 χ^2/NDF: 32.7/38

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 53.256+/-0.010 χ^2/NDF:1130146.5/20

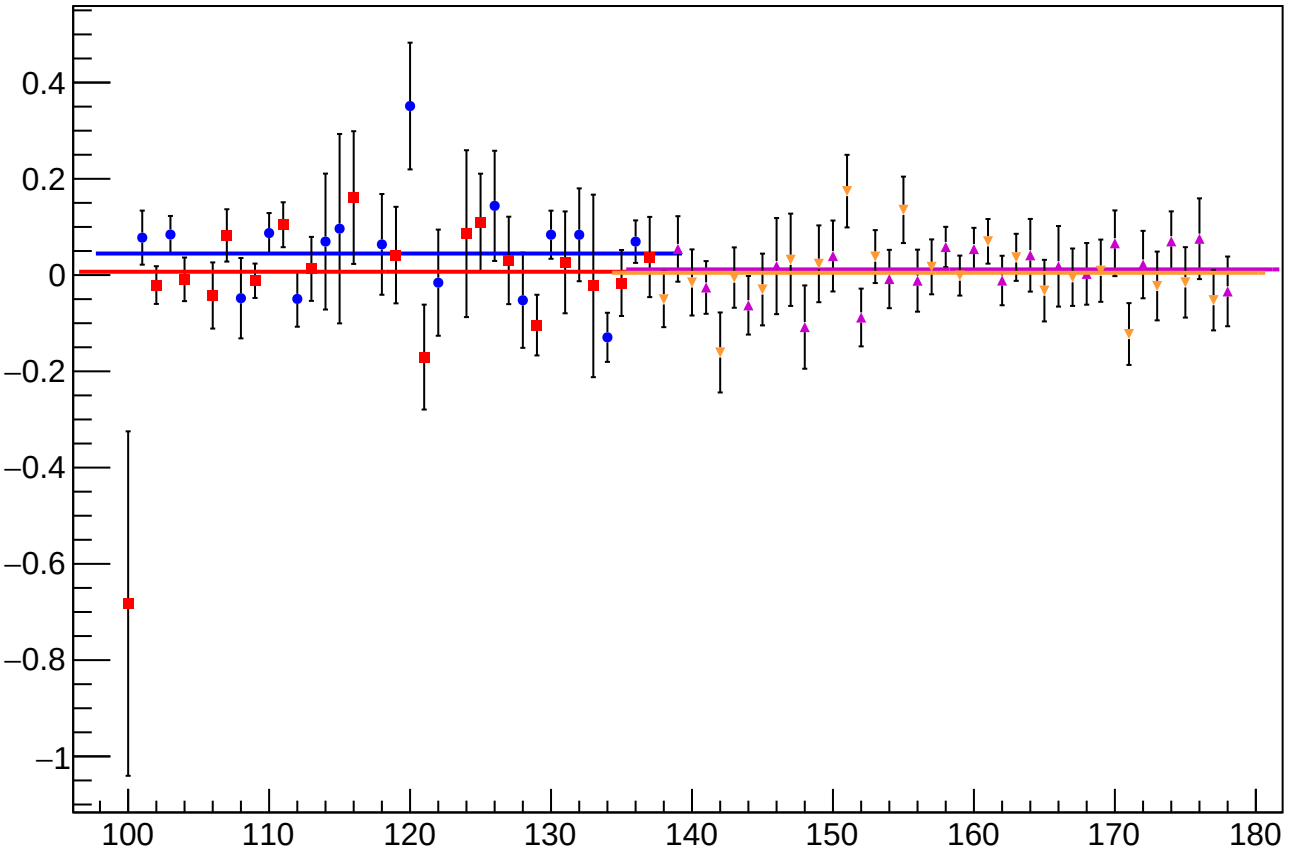
Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 54.873+/-0.010 χ^2/NDF:1240495.2/19

+ sign 47.476+/-0.007 χ^2/NDF: 3579926.7/36

All: 46.959+/-0.005 χ^2/NDF: 8478540.9/75

- sign 46.445+/-0.007 χ^2/NDF: 4888609.2/38



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.005+/-0.013 χ^2/NDF:22.2/20

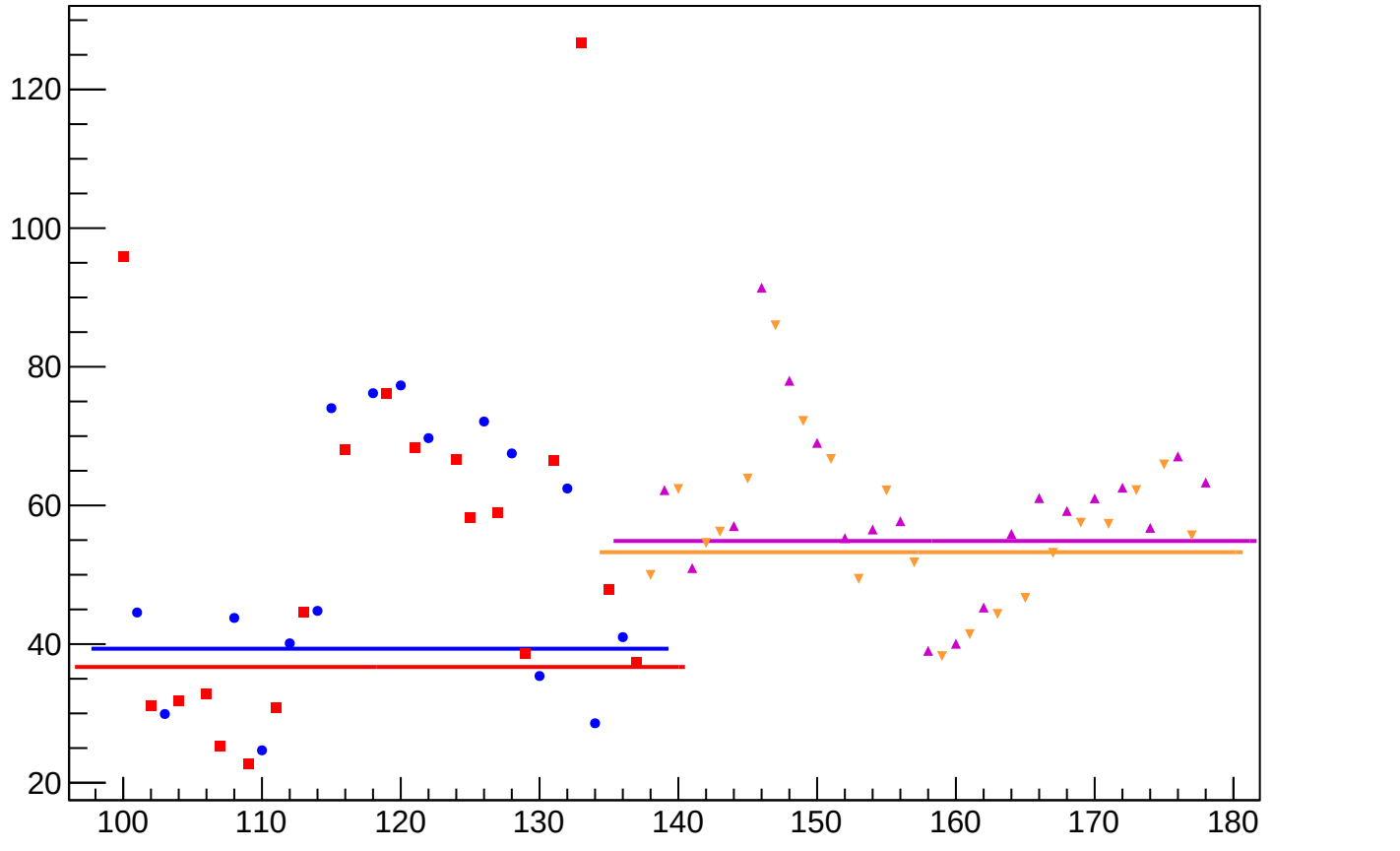
Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.012+/-0.014 χ^2/NDF:12.5/19

+ sign 0.021+/-0.010 χ^2/NDF: 52.5/36

All: 0.015+/-0.007 χ^2/NDF: 85.8/75

- sign 0.010+/-0.010 χ^2/NDF: 32.7/38



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 53.256+/-0.010 χ^2/NDF:1130146.5/20

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

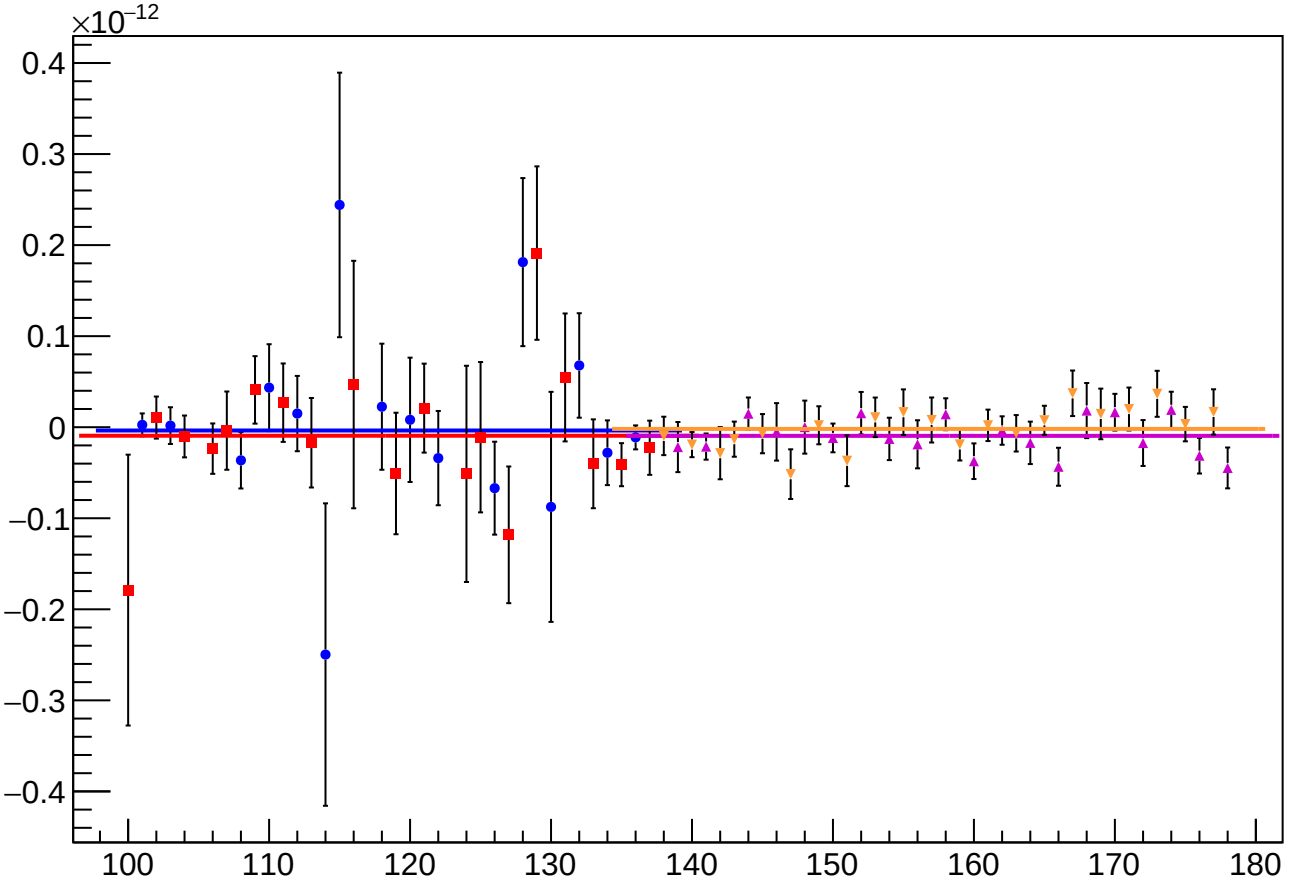
Left In: 54.873+/-0.010 χ^2/NDF:1240495.2/19

\+ sign 47.476+/-0.007 χ^2/NDF: 3579926.7/36

All: 46.959+/-0.005 χ^2/NDF: 8478540.9/75

\- sign 46.445+/-0.007 χ^2/NDF: 4888609.2/38

asym_sam6_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.9/20

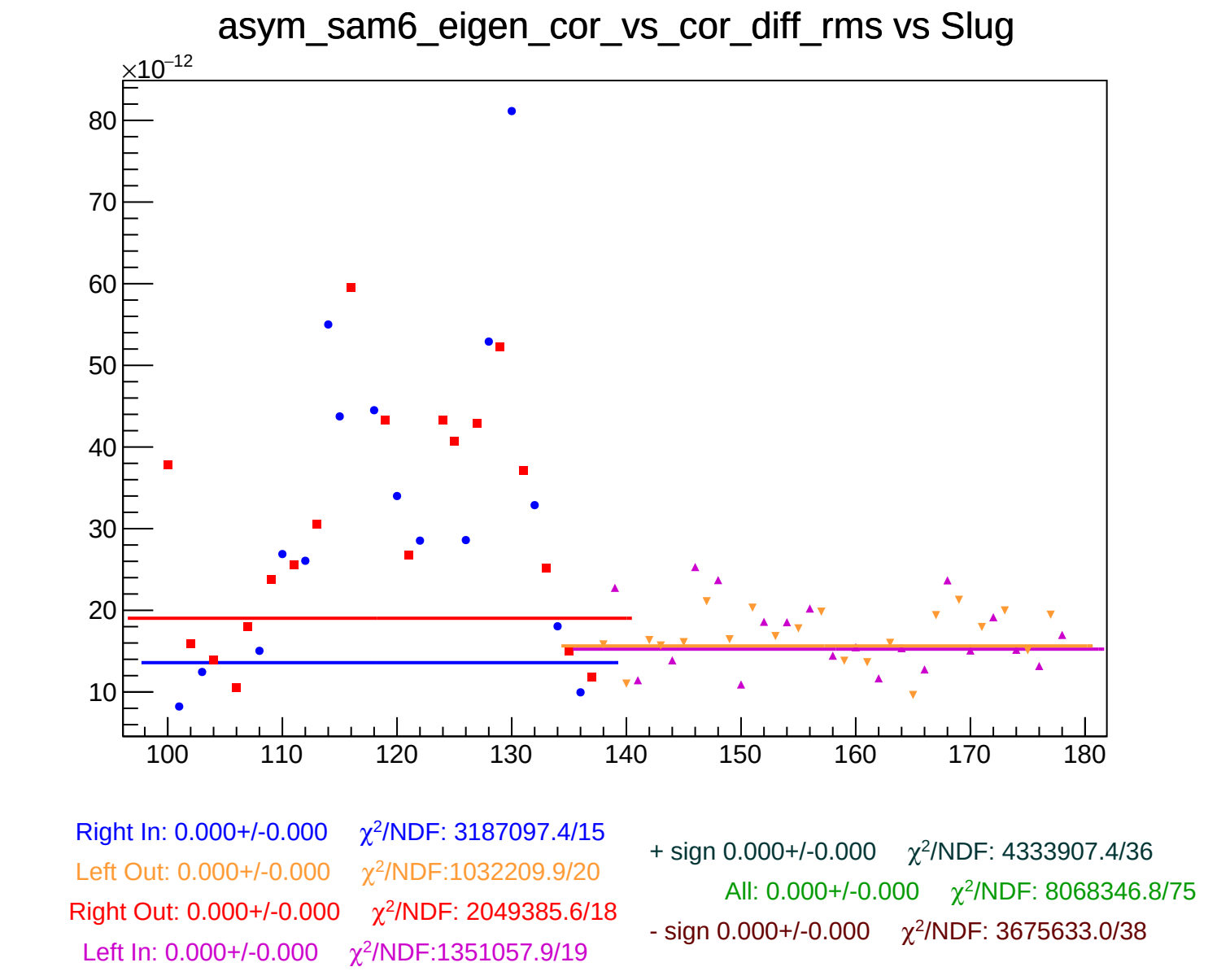
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: -0.000+/-0.000 χ^2/NDF:19.3/19

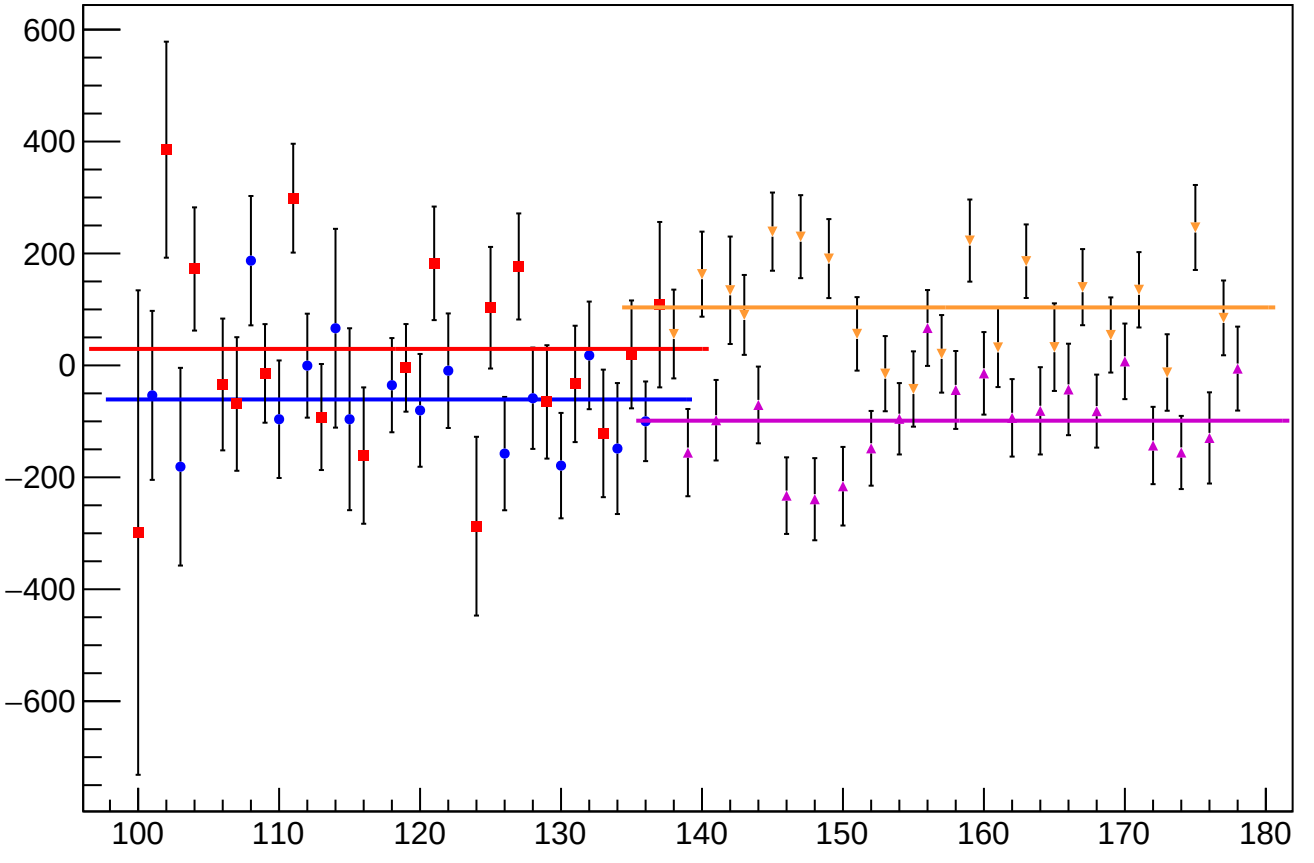
+ sign -0.000+/-0.000 χ^2/NDF: 33.6/36

All: -0.000+/-0.000 χ^2/NDF: 70.2/75

- sign -0.000+/-0.000 χ^2/NDF: 35.0/38


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
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3187097.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1032209.9/20
Right Out: 0.000+/-0.000 χ²/NDF: 2049385.6/18
Left In: 0.000+/-0.000 χ²/NDF:1351057.9/19
+ sign 0.000+/-0.000 χ²/NDF: 4333907.4/36
All: 0.000+/-0.000 χ²/NDF: 8068346.8/75
- sign 0.000+/-0.000 χ²/NDF: 3675633.0/38

reg_asym_sam7_mean vs Slug



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 103.607+/-15.511 χ^2/NDF:32.7/20

Right Out: 29.453+/-25.105 χ^2/NDF: 31.2/18

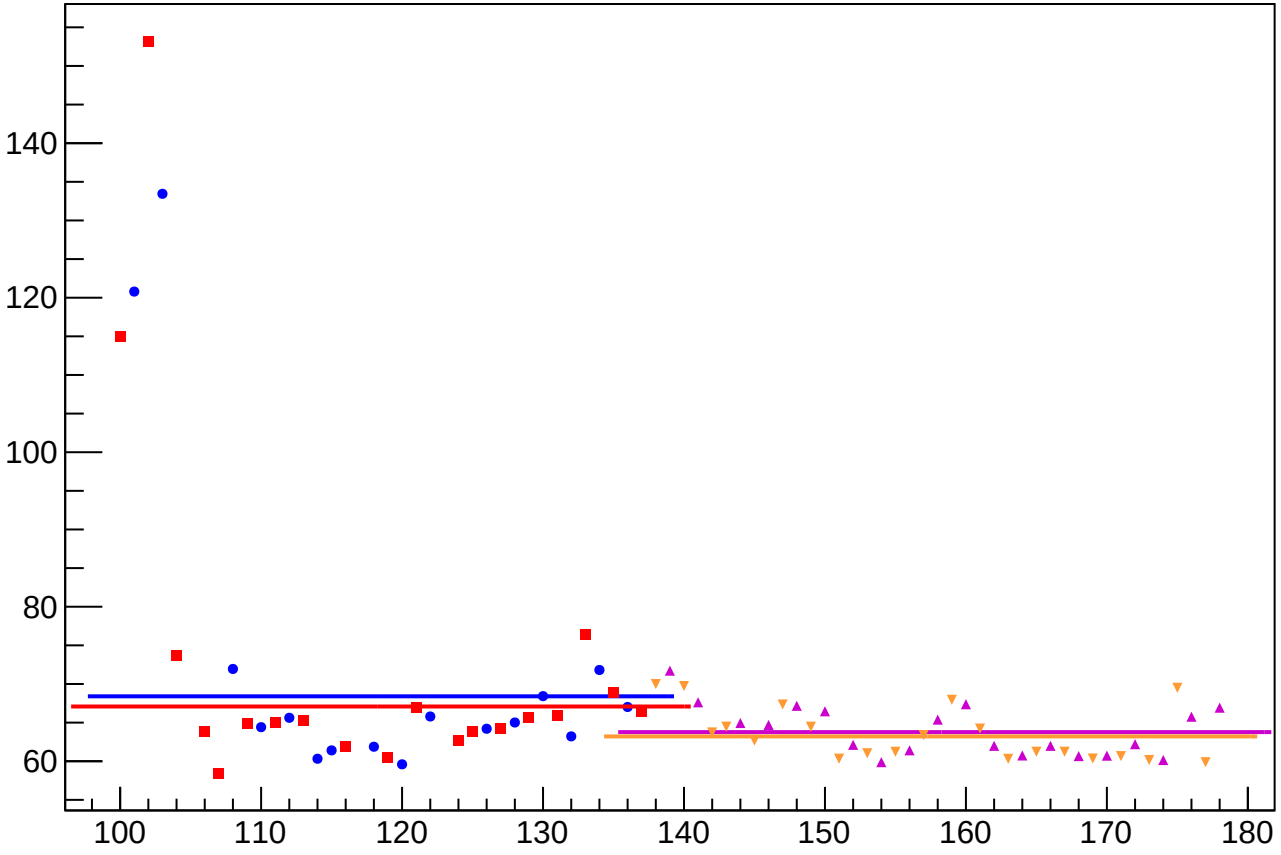
Left In: -98.798+/-15.812 χ^2/NDF:25.3/19

+ sign 60.573+/-13.328 χ^2/NDF: 72.7/36

All: -0.661+/-9.442 χ^2/NDF: 190.3/75

- sign -62.372+/-13.379 χ^2/NDF: 75.2/38

reg_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 63.212+/-0.011 χ^2/NDF:89537.4/20

Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

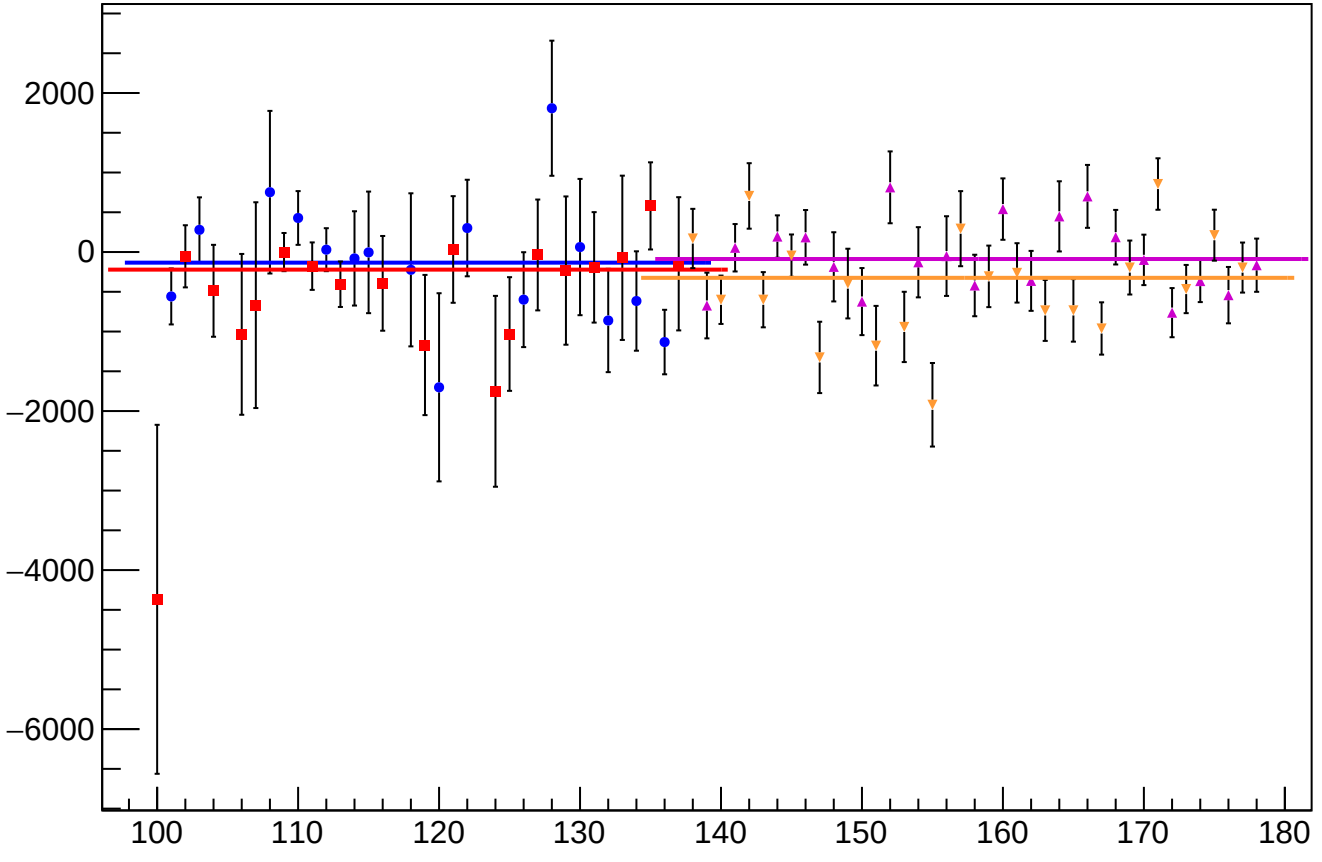
Left In: 63.771+/-0.011 χ^2/NDF:77482.5/19

+ sign 64.571+/-0.009 χ^2/NDF: 717711.2/36

All: 64.641+/-0.007 χ^2/NDF: 1302086.4/75

- sign 64.712+/-0.009 χ^2/NDF: 584262.8/38

asym_sam7_reg_correction_mean vs Slug



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -324.560+/-79.304 χ^2/NDF:54.0/20

Right Out: -221.324+/-117.783 χ^2/NDF: 12.5/18

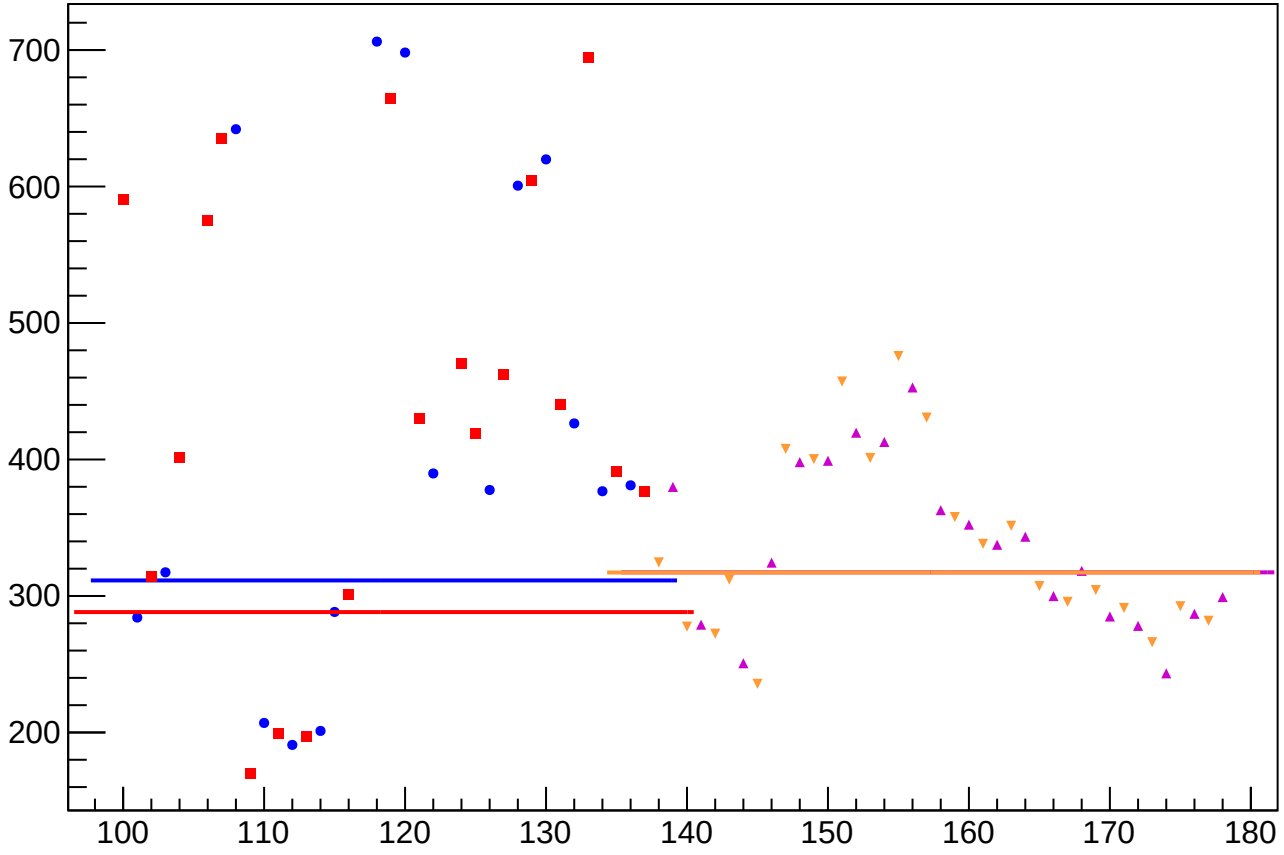
Left In: -87.772+/-79.916 χ^2/NDF:27.2/19

+ sign -270.314+/-67.102 χ^2/NDF: 78.1/36

All: -199.070+/-47.101 χ^2/NDF: 120.9/75

- sign -129.873+/-66.131 χ^2/NDF: 40.6/38

asym_sam7_reg_correction_rms vs Slug



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 317.212+/-0.056 χ^2/NDF:1089843.4/20

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

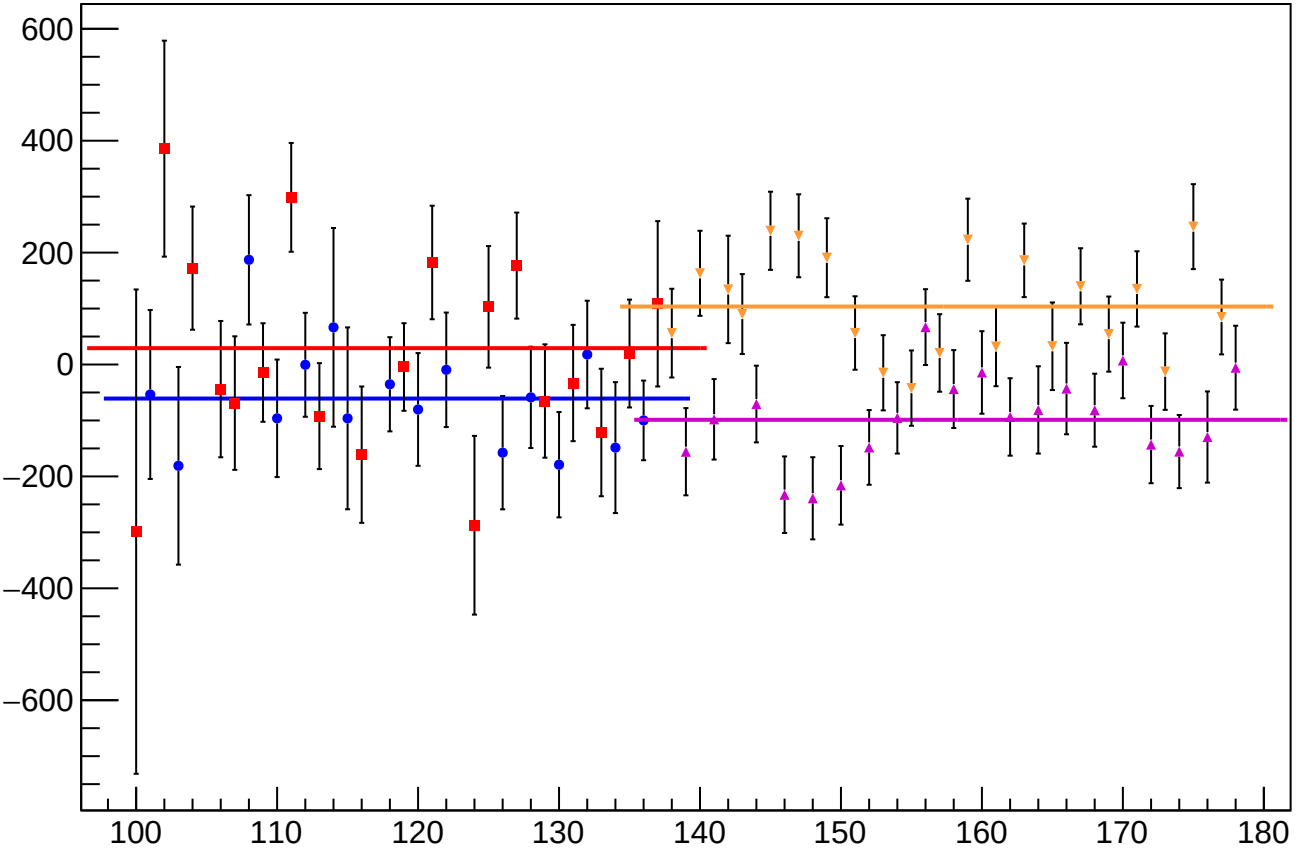
Left In: 317.315+/-0.057 χ^2/NDF:981686.7/19

+ sign 315.557+/-0.047 χ^2/NDF: 3216706.4/36

All: 311.793+/-0.033 χ^2/NDF: 7009830.2/75

- sign 308.138+/-0.047 χ^2/NDF: 3780722.7/38

cor_asym_sam7_mean vs Slug



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 103.608+/-15.511 χ^2/NDF:32.7/20

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

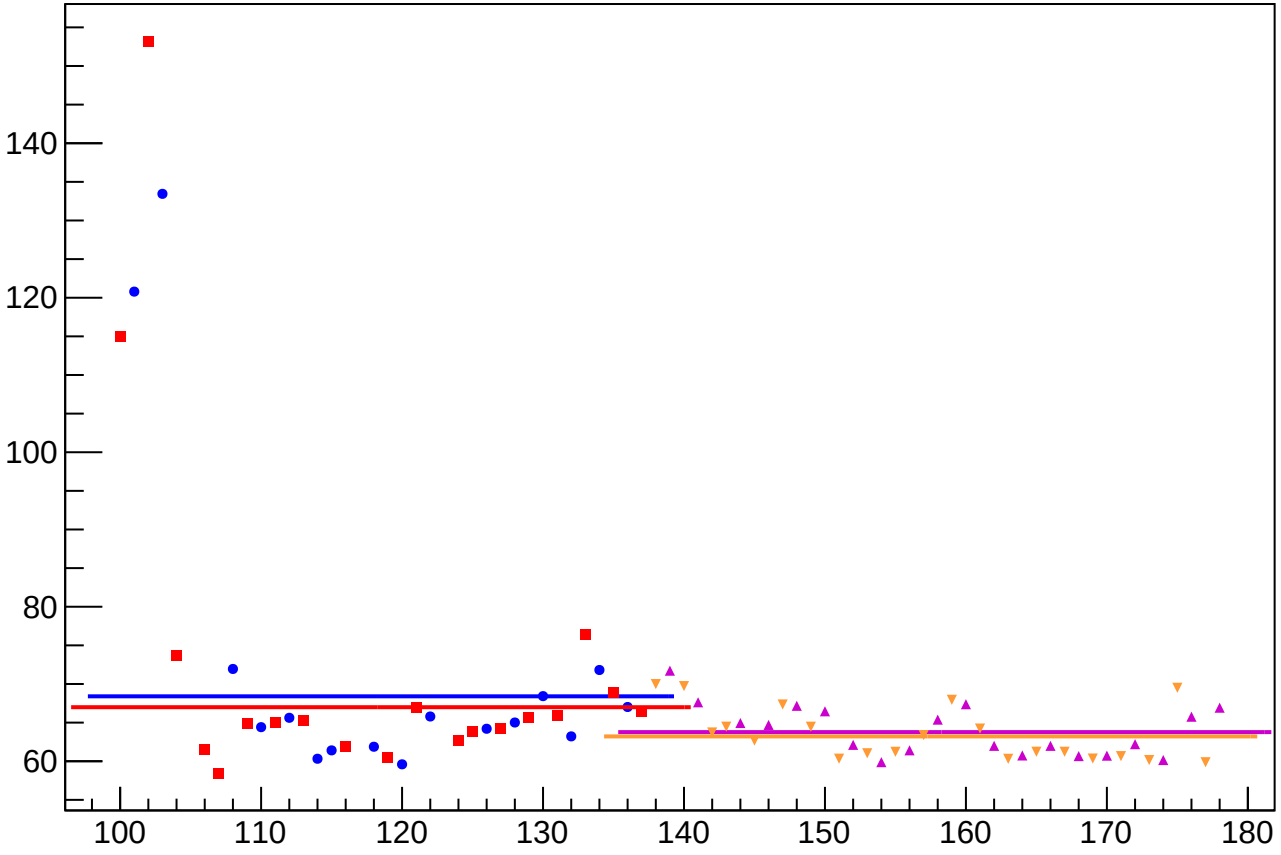
Left In: -98.795+/-15.812 χ^2/NDF:25.3/19

+ sign 60.573+/-13.328 χ^2/NDF: 72.7/36

All: -0.706+/-9.444 χ^2/NDF: 190.3/75

- sign -62.515+/-13.385 χ^2/NDF: 75.2/38

cor_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 63.212+/-0.011 χ^2/NDF:89537.4/20

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

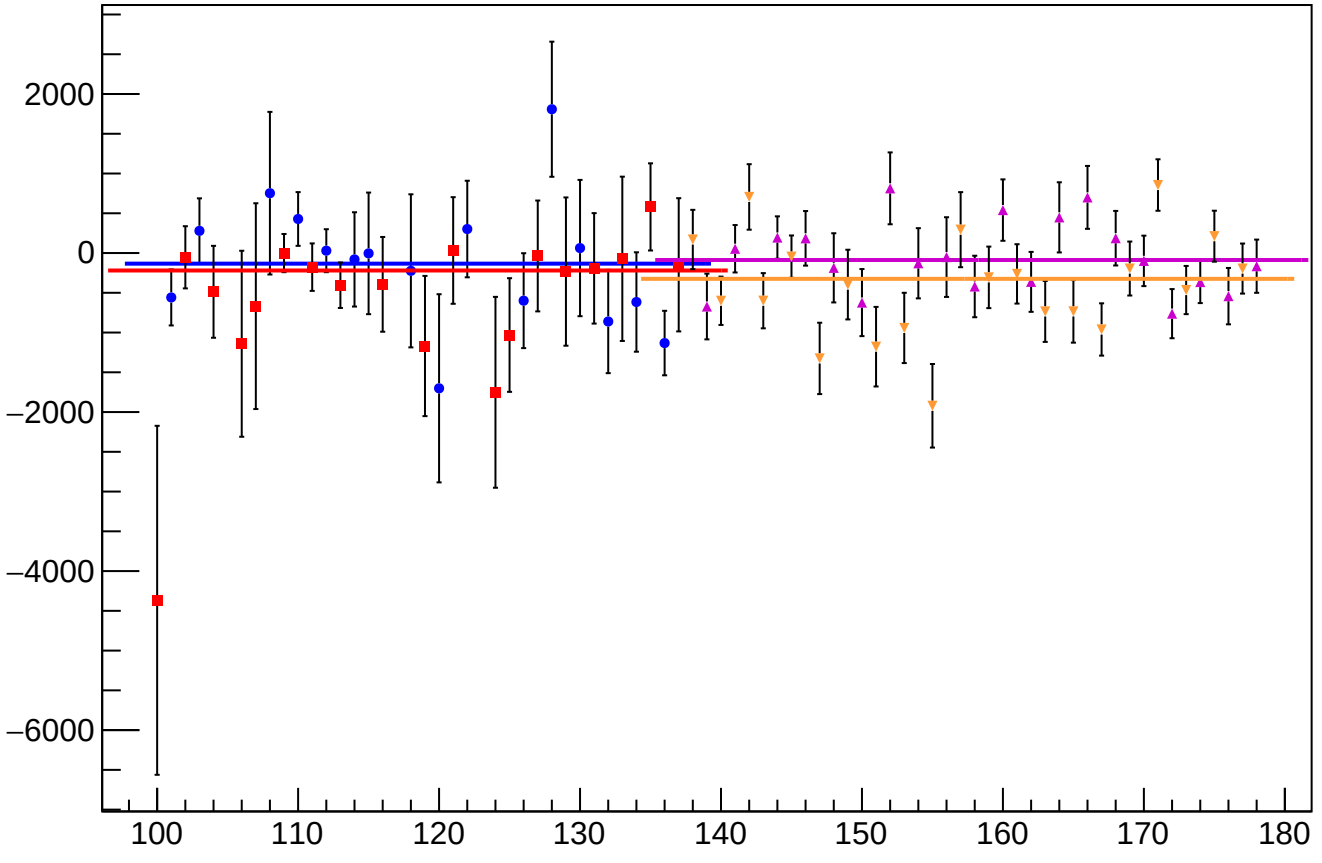
Left In: 63.771+/-0.011 χ^2/NDF:77482.5/19

+ sign 64.571+/-0.009 χ^2/NDF: 717711.6/36

All: 64.627+/-0.007 χ^2/NDF: 1303315.3/75

- sign 64.685+/-0.009 χ^2/NDF: 585531.2/38

asym_sam7_cor_correction_mean vs Slug



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -324.559+/-79.304 χ^2/NDF:54.0/20

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

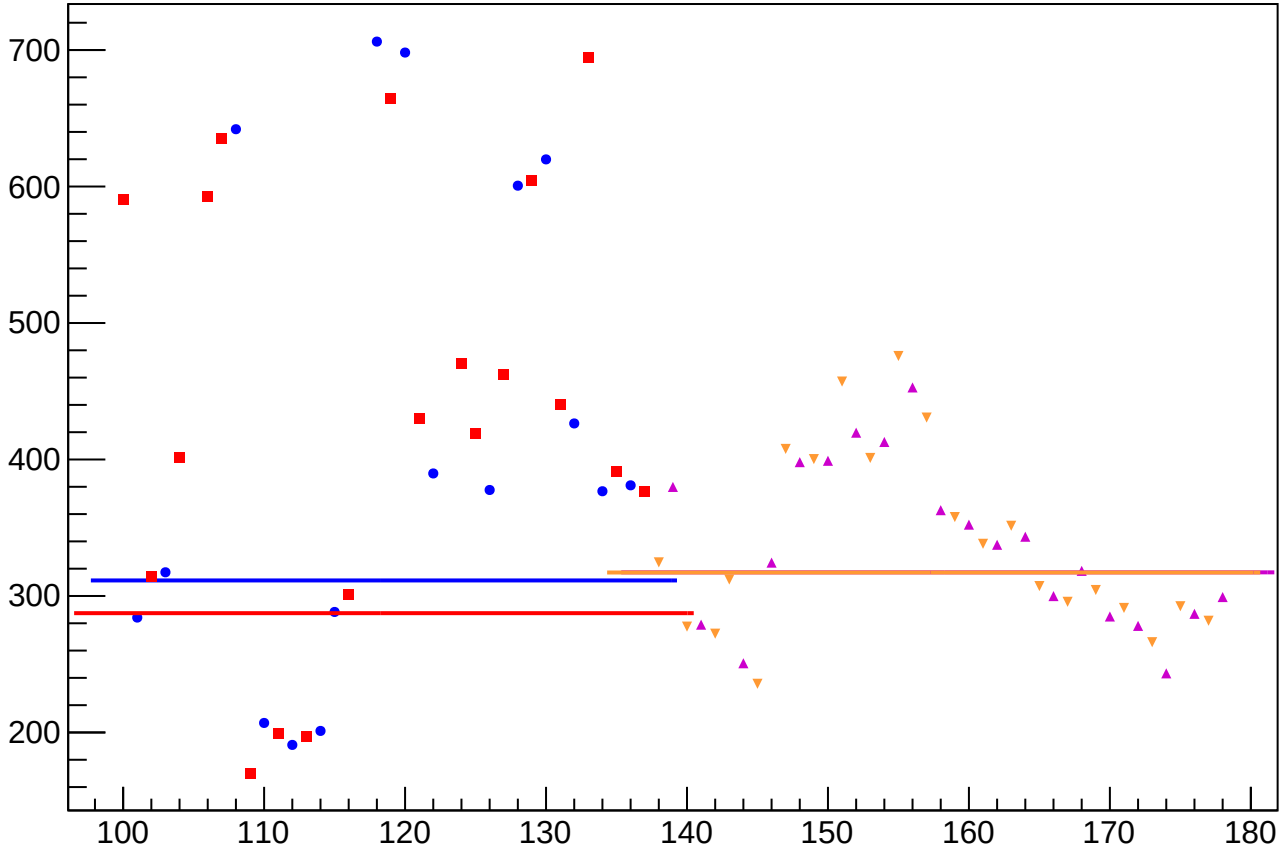
Left In: -87.765+/-79.916 χ^2/NDF:27.2/19

+ sign -270.314+/-67.102 χ^2/NDF: 78.1/36

All: -198.782+/-47.114 χ^2/NDF: 120.9/75

- sign -129.230+/-66.167 χ^2/NDF: 40.6/38

asym_sam7_cor_correction_rms vs Slug



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 317.211+/-0.056 χ^2/NDF:1089848.2/20

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

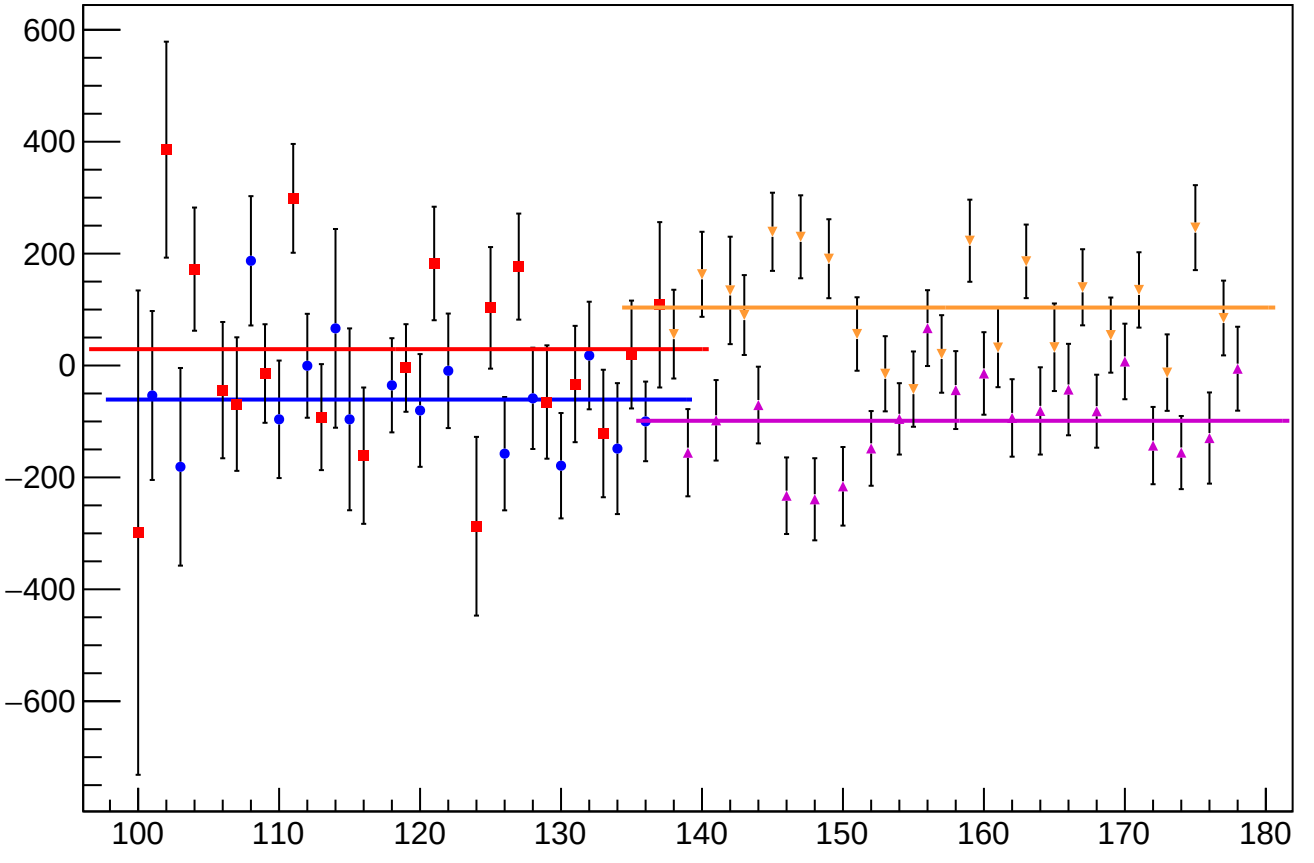
Left In: 317.315+/-0.057 χ^2/NDF:981690.7/19

+ sign 315.557+/-0.047 χ^2/NDF: 3216710.3/36

All: 311.681+/-0.033 χ^2/NDF: 6989880.7/75

- sign 307.911+/-0.047 χ^2/NDF: 3760004.9/38

eigen_cor_asym_sam7_mean vs Slug



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 103.608+/-15.511 χ^2/NDF:32.7/20

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

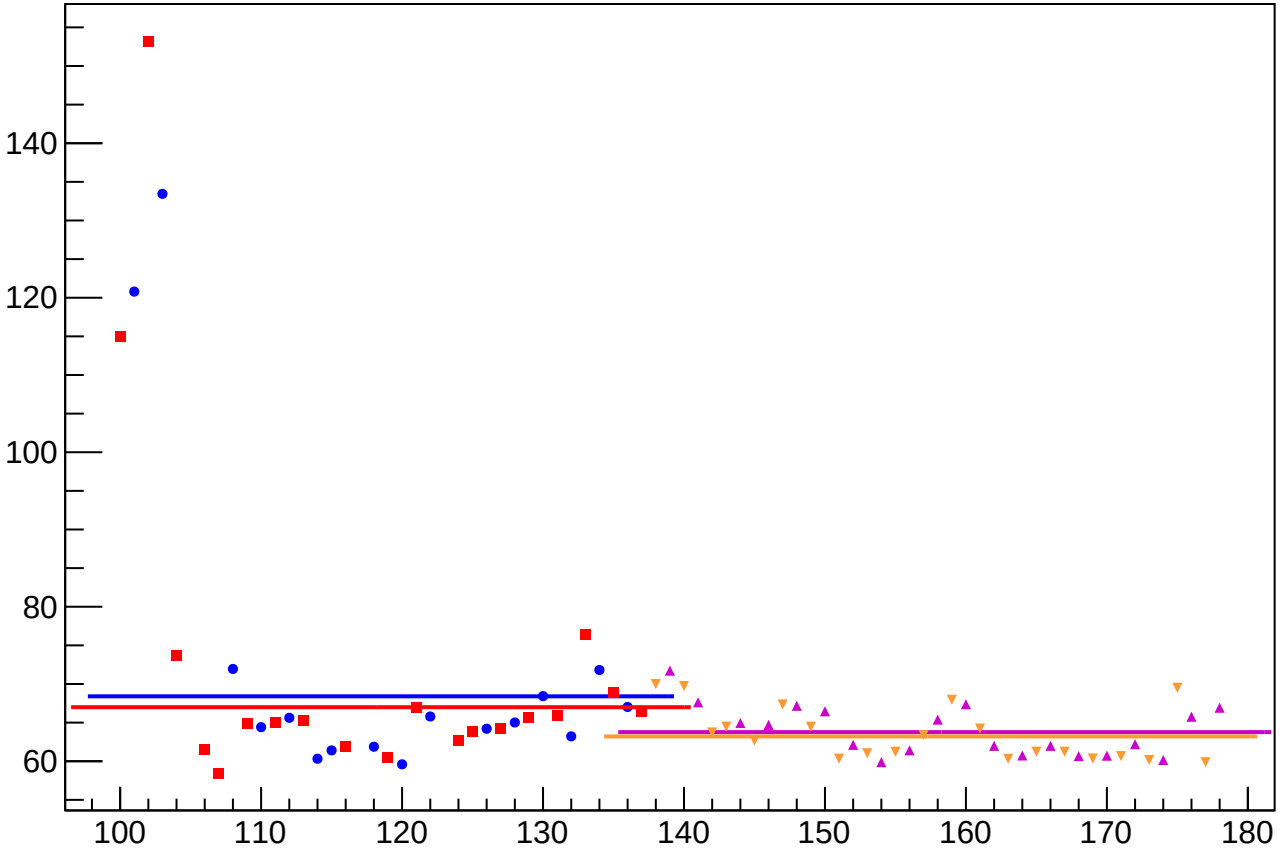
Left In: -98.795+/-15.812 χ^2/NDF:25.3/19

+ sign 60.573+/-13.328 χ^2/NDF: 72.7/36

All: -0.706+/-9.444 χ^2/NDF: 190.3/75

- sign -62.515+/-13.385 χ^2/NDF: 75.2/38

eigen_cor_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 63.212+/-0.011 χ^2/NDF:89537.4/20

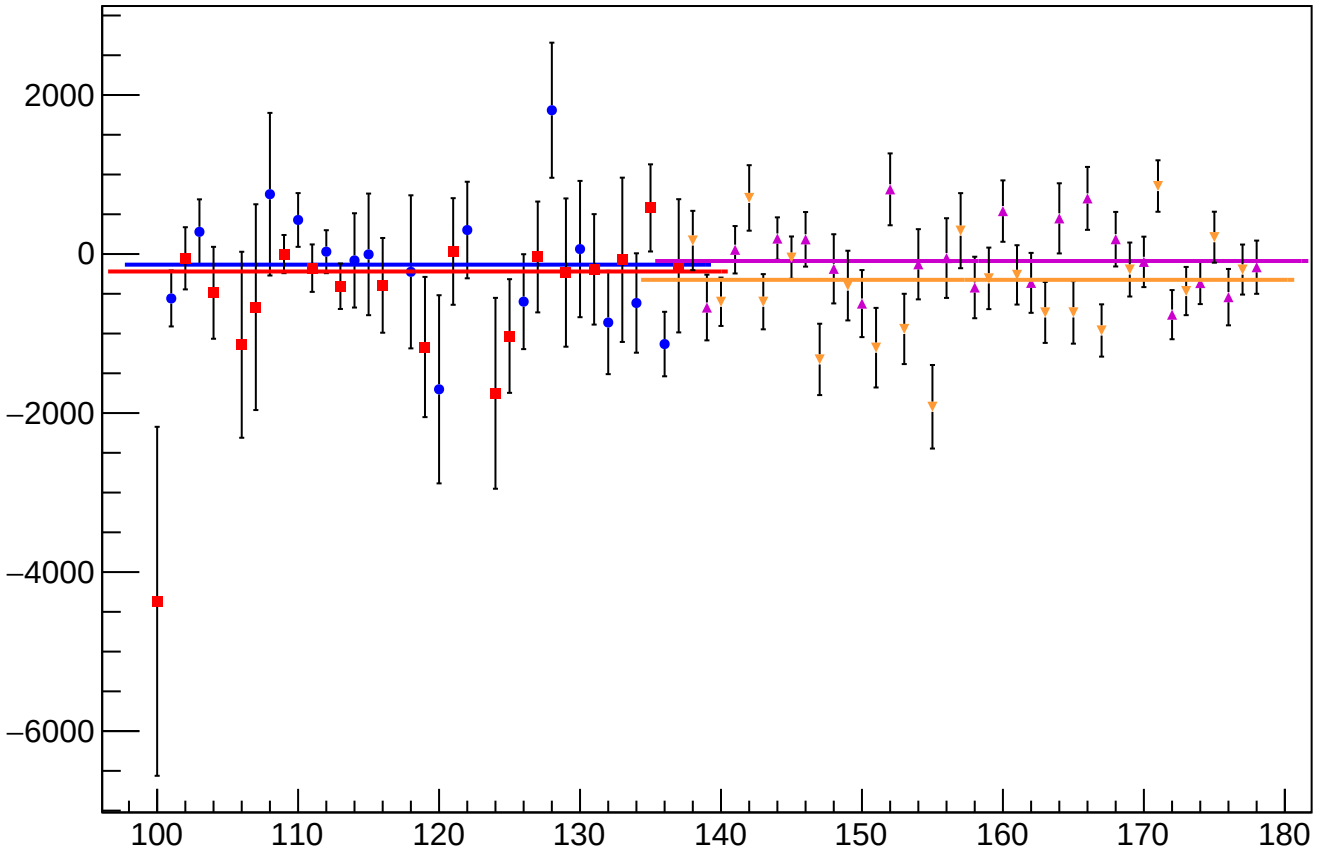
Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 63.771+/-0.011 χ^2/NDF:77482.5/19

+ sign 64.571+/-0.009 χ^2/NDF: 717711.6/36

All: 64.627+/-0.007 χ^2/NDF: 1303315.3/75

- sign 64.685+/-0.009 χ^2/NDF: 585531.2/38



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -324.559+/-79.304 χ^2/NDF:54.0/20

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

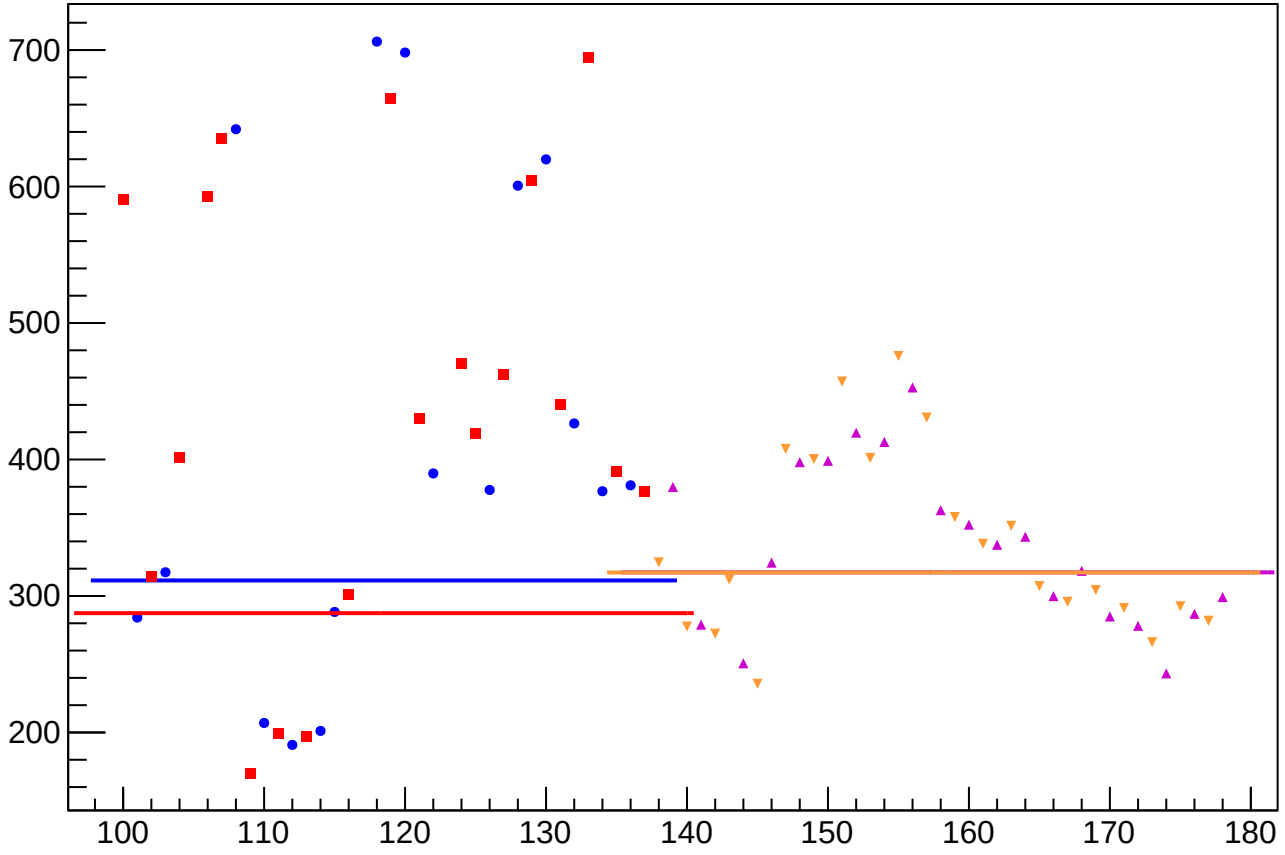
Left In: -87.765+/-79.916 χ^2/NDF:27.2/19

\+ sign -270.314+/-67.102 χ^2/NDF: 78.1/36

All: -198.782+/-47.114 χ^2/NDF: 120.9/75

\- sign -129.230+/-66.167 χ^2/NDF: 40.6/38

asym_sam7_eigen_cor_correction_rms vs Slug



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 317.211+/-0.056 χ^2/NDF:1089848.2/20

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

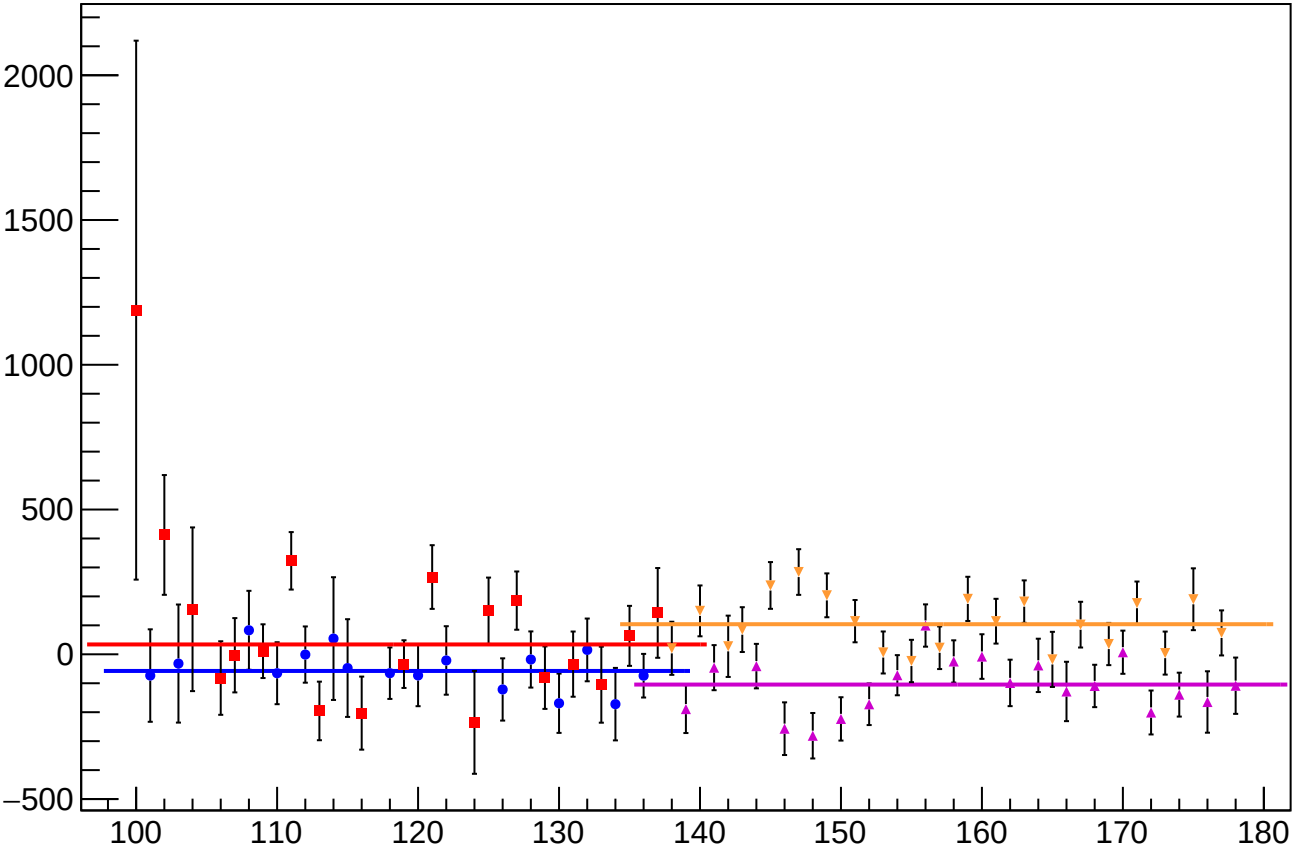
Left In: 317.315+/-0.057 χ^2/NDF:981690.7/19

+ sign 315.557+/-0.047 χ^2/NDF: 3216710.3/36

All: 311.681+/-0.033 χ^2/NDF: 6989880.7/75

- sign 307.911+/-0.047 χ^2/NDF: 3760004.9/38

dit_asym_sam7_mean vs Slug



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 103.934+/-17.305 χ^2/NDF:26.0/20

Right Out: 34.033+/-27.398 χ^2/NDF: 37.1/18

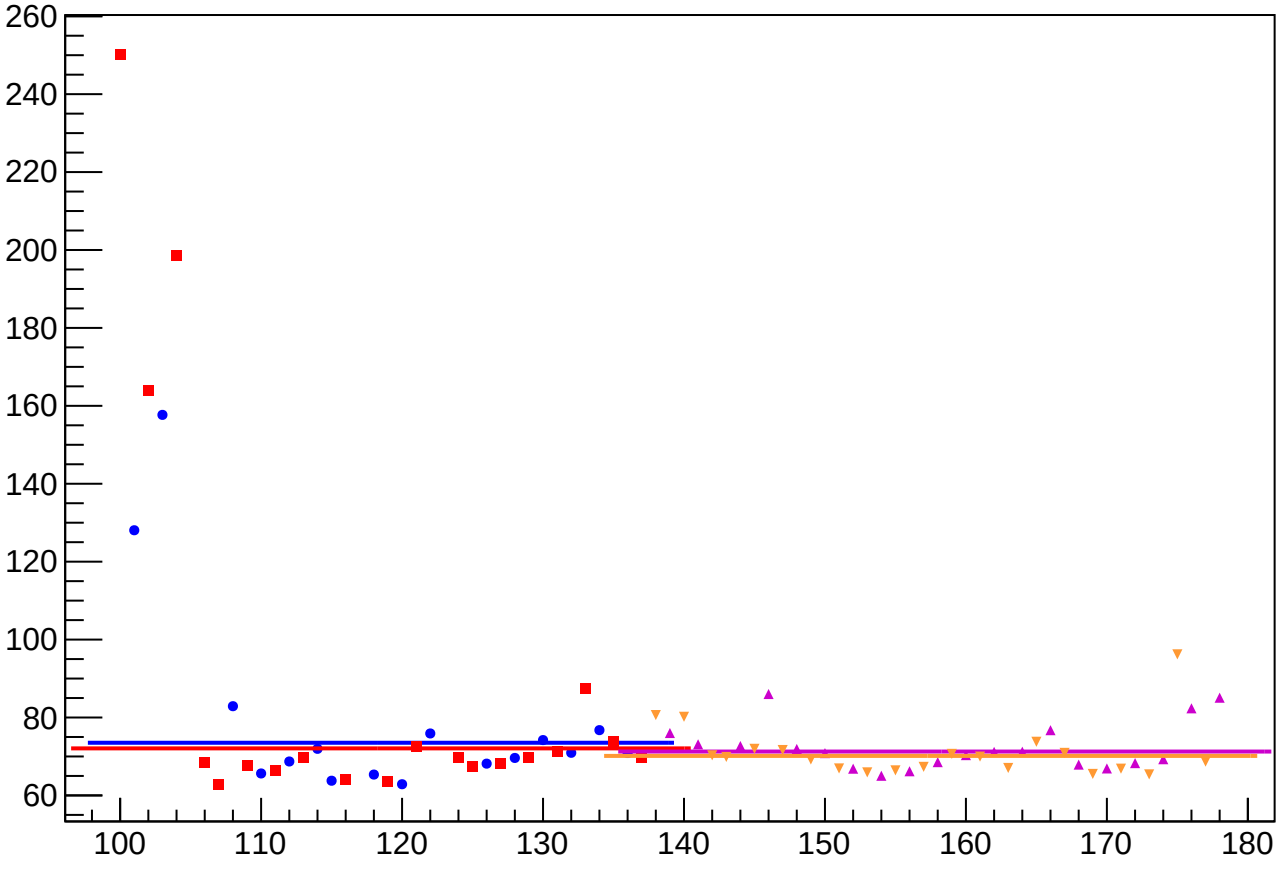
Left In: -104.551+/-17.776 χ^2/NDF:29.3/19

+ sign 59.504+/-14.733 χ^2/NDF: 54.8/36

All: -1.252+/-10.481 χ^2/NDF: 173.7/75

- sign -63.495+/-14.912 χ^2/NDF: 84.5/38

dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 70.142+/-0.012 χ^2/NDF:219724.4/20

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

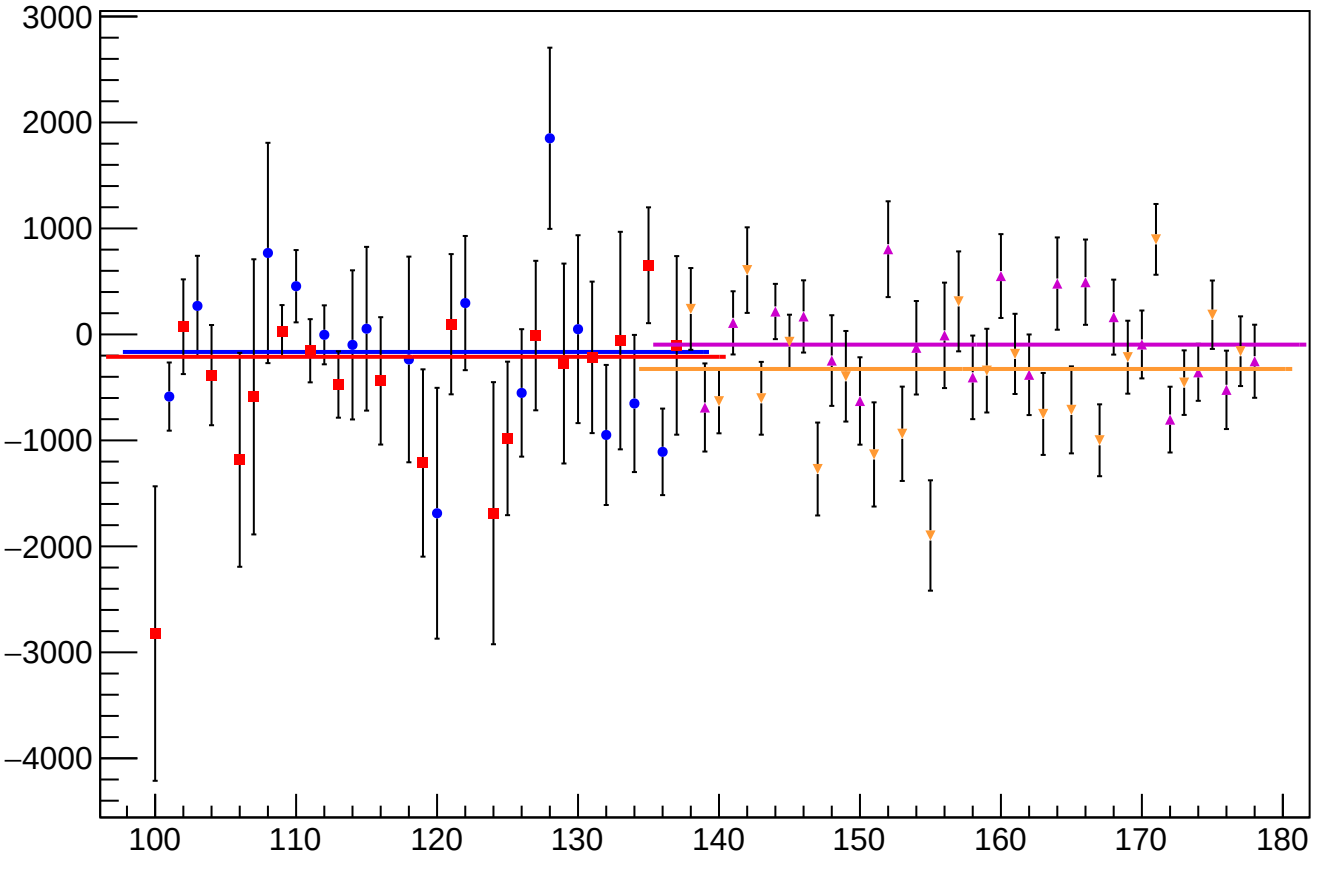
Left In: 71.262+/-0.013 χ^2/NDF:180958.4/19

+ sign 71.071+/-0.010 χ^2/NDF: 897528.8/36

All: 71.284+/-0.007 χ^2/NDF: 2039064.9/75

- sign 71.503+/-0.011 χ^2/NDF: 1140689.3/38

asym_sam7_dit_correction_mean vs Slug



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: -326.055+/-79.747 χ^2/NDF:53.0/20

Right Out: -211.347+/-120.122 χ^2/NDF: 13.6/18

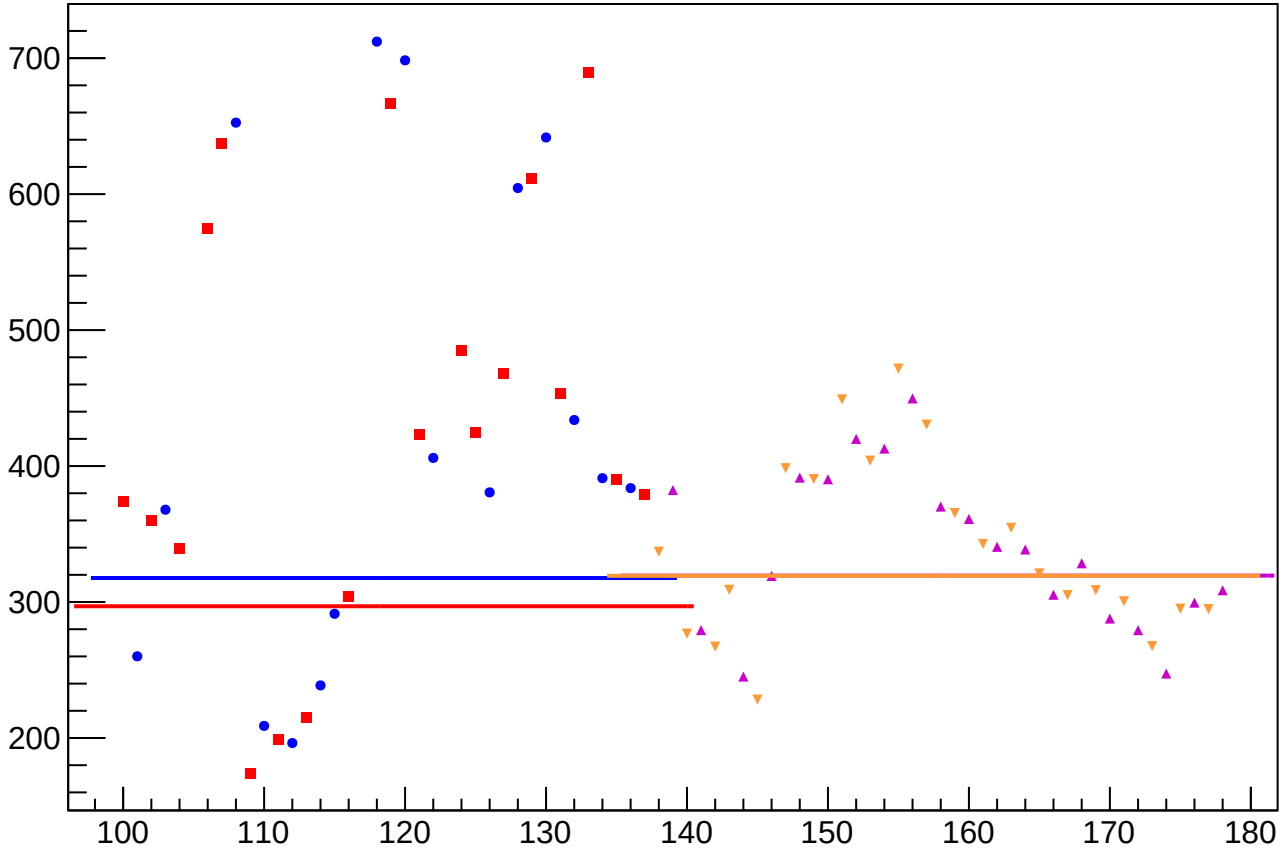
Left In: -96.464+/-80.429 χ^2/NDF:26.3/19

+ sign -281.381+/-67.750 χ^2/NDF: 76.7/36

All: -205.683+/-47.578 χ^2/NDF: 119.7/75

- sign -132.025+/-66.831 χ^2/NDF: 40.5/38

asym_sam7_dit_correction_rms vs Slug



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 319.292+/-0.056 χ^2/NDF:1089093.5/20

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

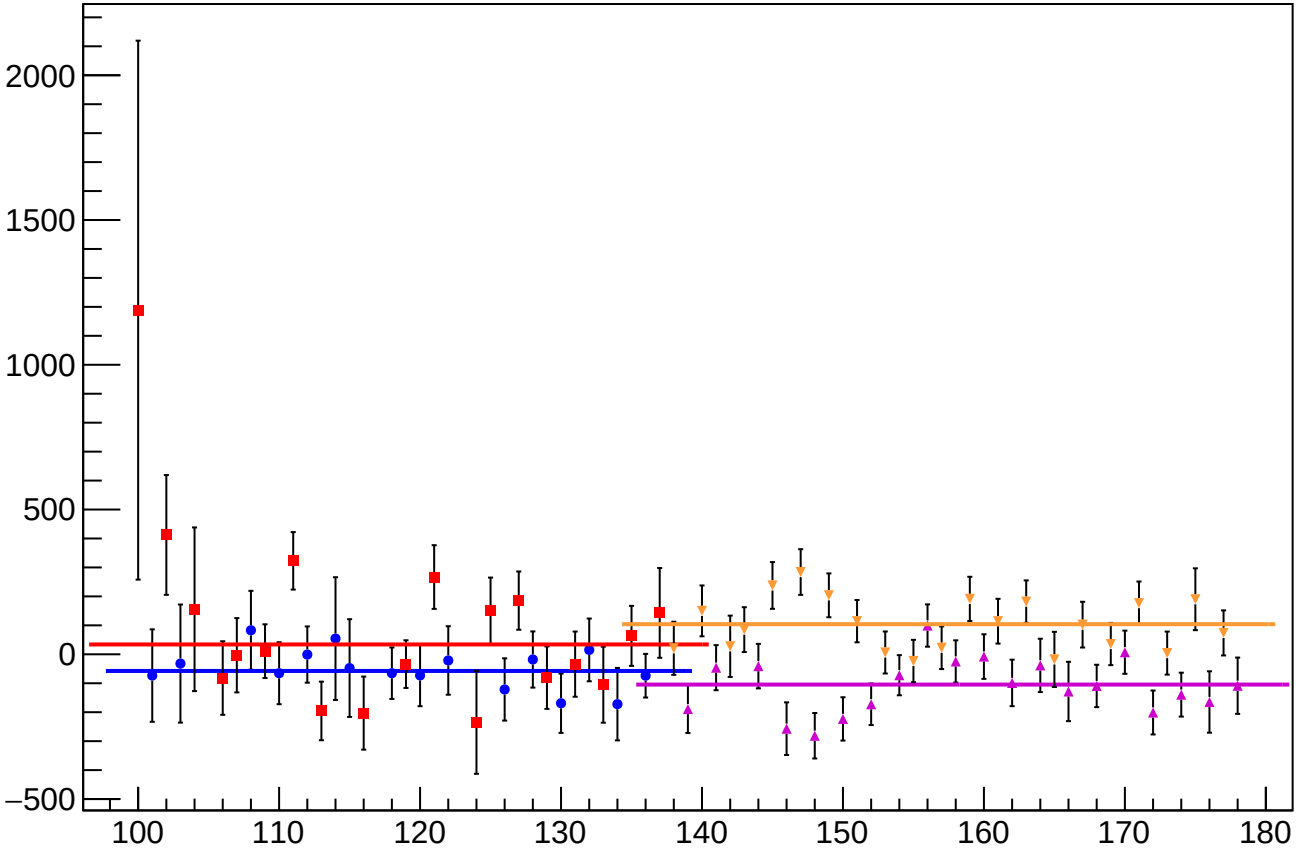
Left In: 319.431+/-0.057 χ^2/NDF:958962.9/19

+ sign 318.839+/-0.048 χ^2/NDF: 3225518.3/36

All: 315.602+/-0.034 χ^2/NDF: 6783161.4/75

- sign 312.453+/-0.047 χ^2/NDF: 3548636.0/38

eigen_dit_asym_sam7_mean vs Slug



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 103.933+/-17.305 χ^2/NDF:26.0/20

Right Out: 34.034+/-27.398 χ^2/NDF: 37.1/18

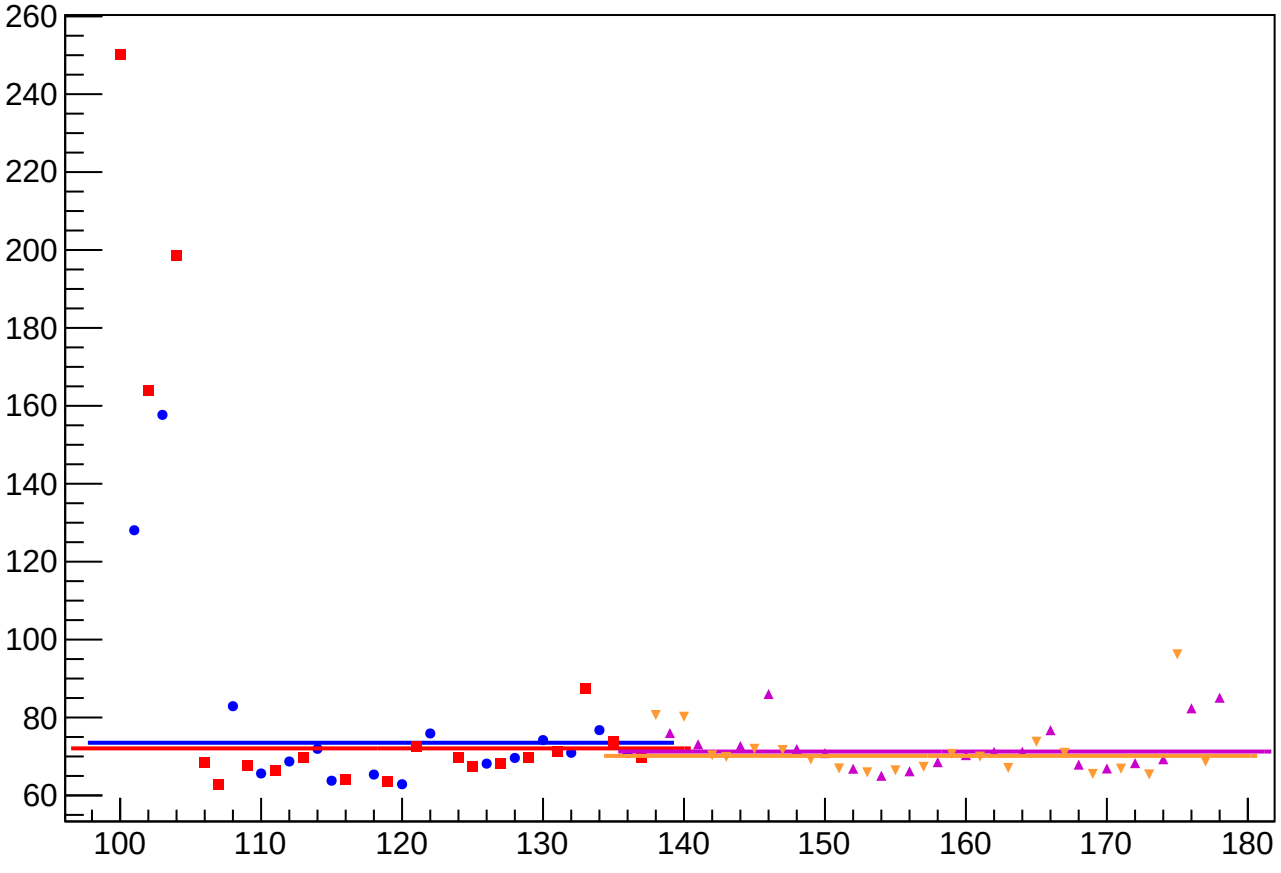
Left In: -104.551+/-17.776 χ^2/NDF:29.3/19

+ sign 59.503+/-14.733 χ^2/NDF: 54.8/36

All: -1.252+/-10.481 χ^2/NDF: 173.7/75

- sign -63.495+/-14.912 χ^2/NDF: 84.5/38

eigen_dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 70.142+/-0.012 χ^2/NDF:219723.5/20

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

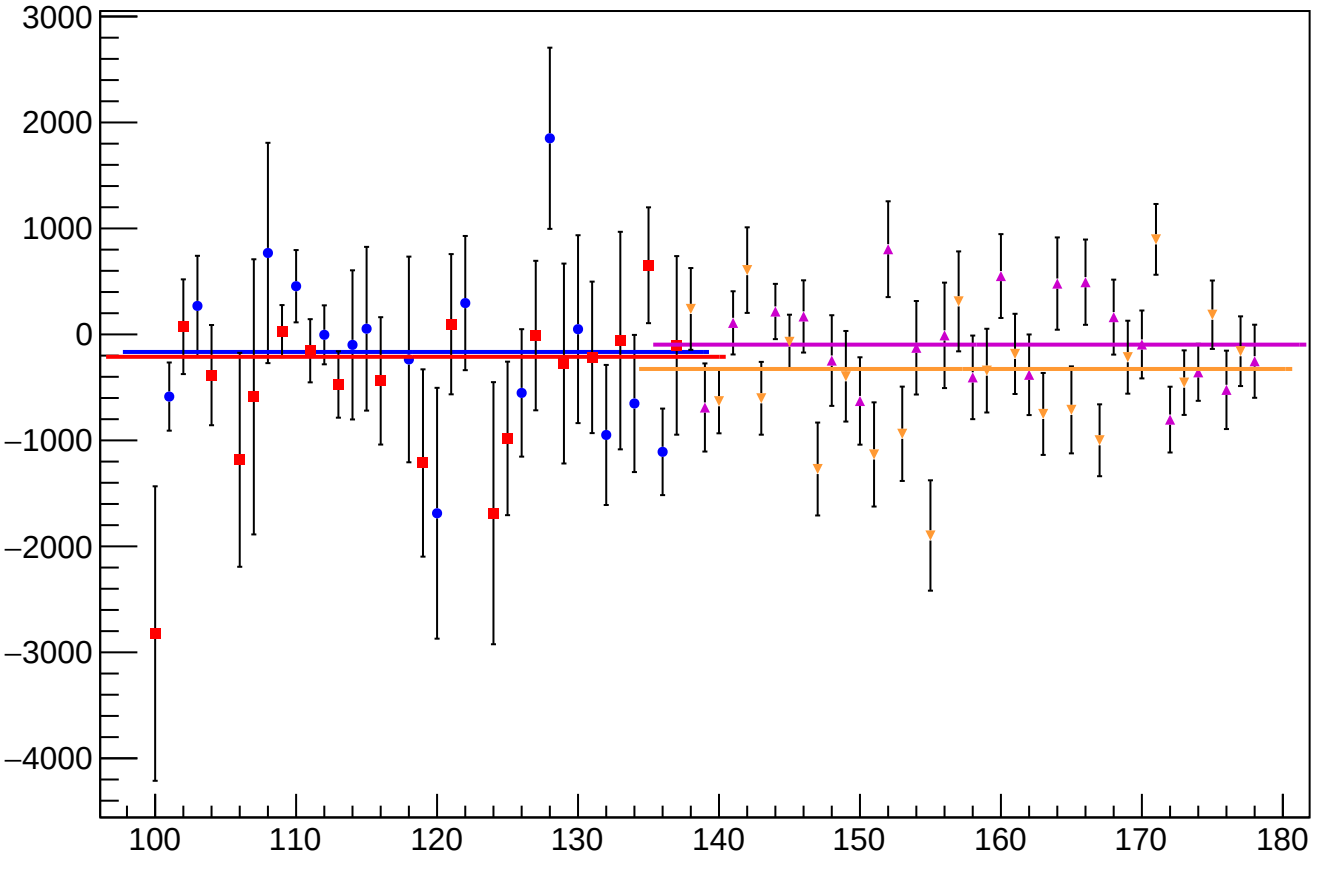
Left In: 71.262+/-0.013 χ^2/NDF:180957.7/19

+ sign 71.071+/-0.010 χ^2/NDF: 897527.7/36

All: 71.284+/-0.007 χ^2/NDF: 2039064.1/75

- sign 71.503+/-0.011 χ^2/NDF: 1140689.6/38

asym_sam7_eigen_dit_correction_mean vs Slug



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -326.055+/-79.747 χ^2/NDF:53.0/20

Right Out: -211.347+/-120.121 χ^2/NDF: 13.6/18

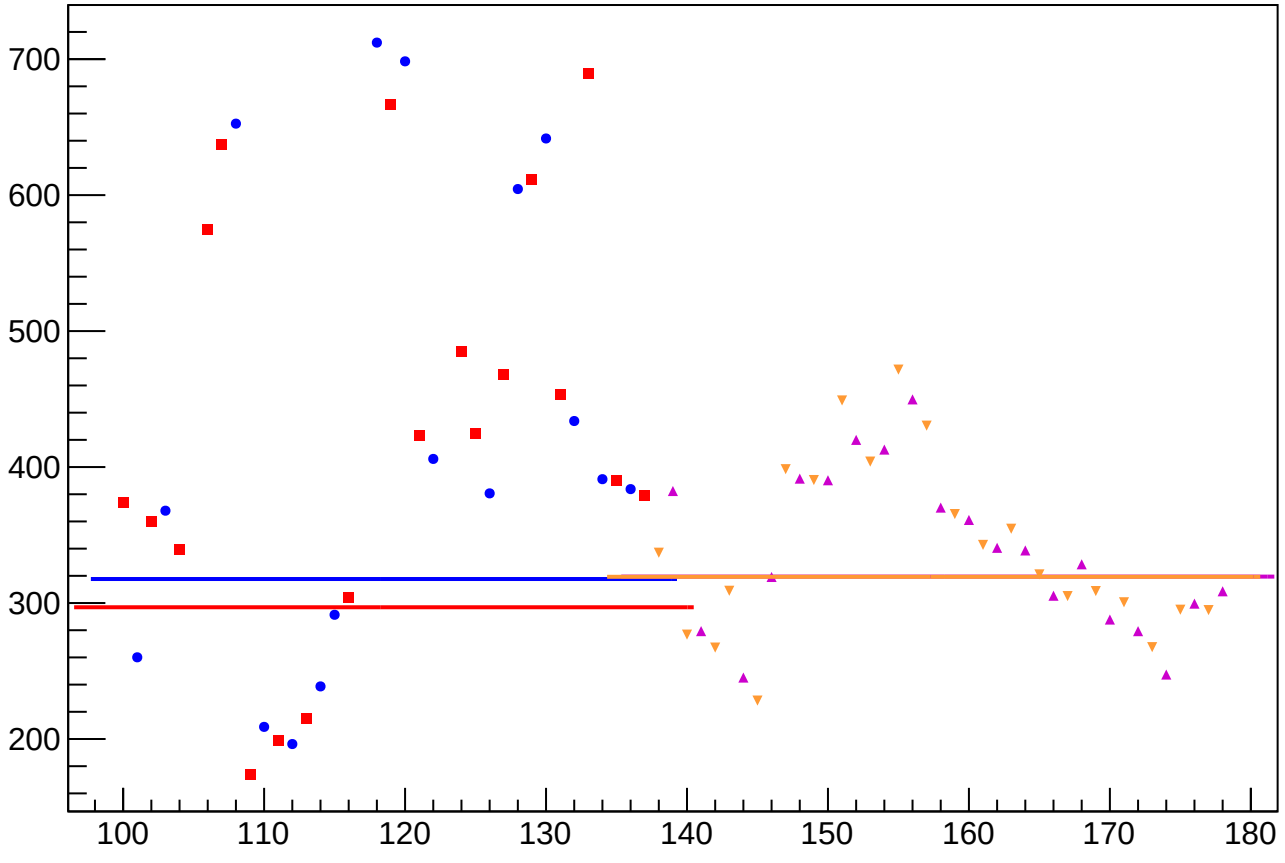
Left In: -96.463+/-80.429 χ^2/NDF:26.3/19

+ sign -281.380+/-67.750 χ^2/NDF: 76.7/36

All: -205.683+/-47.578 χ^2/NDF: 119.7/75

- sign -132.024+/-66.831 χ^2/NDF: 40.5/38

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 319.292+/-0.056 χ^2/NDF:1089098.2/20

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

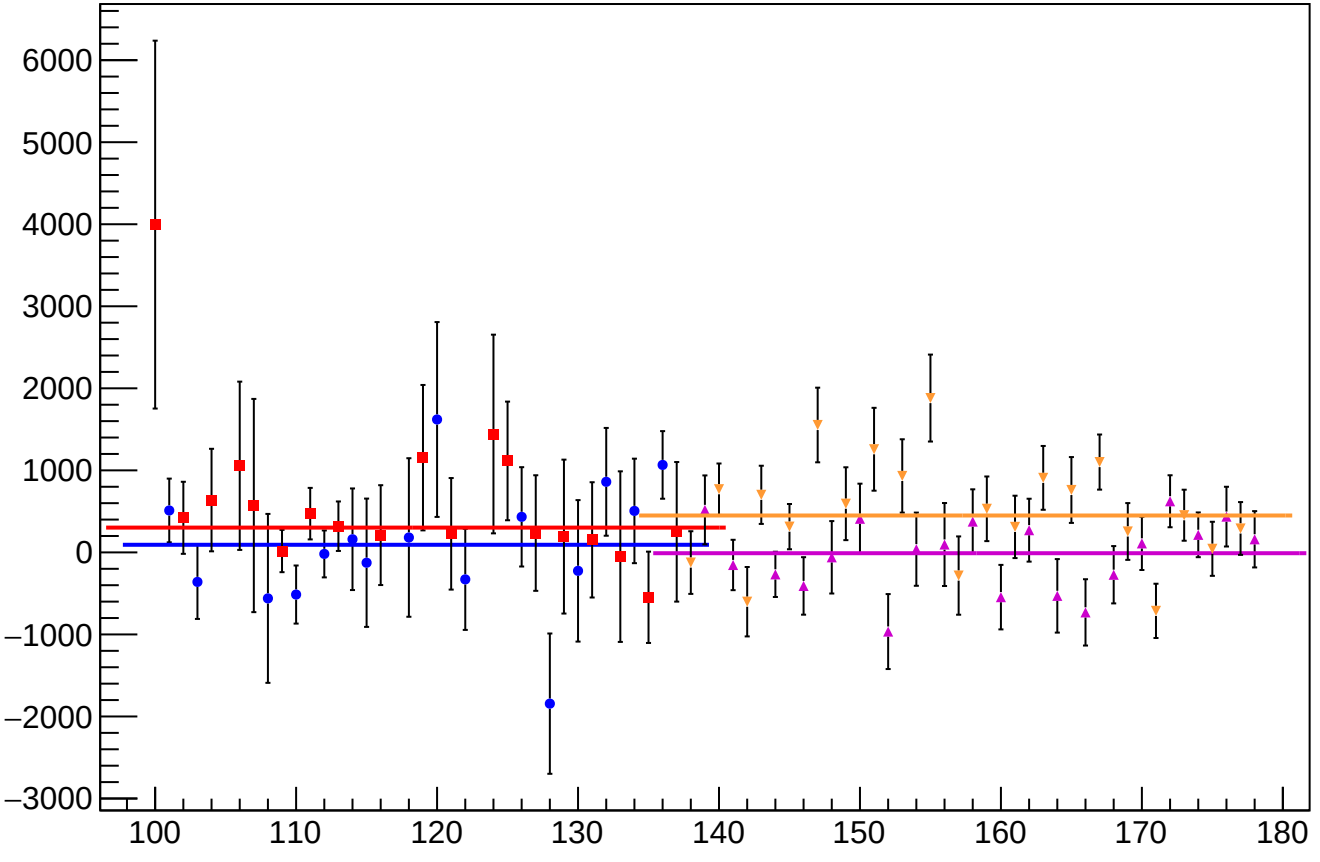
Left In: 319.431+/-0.057 χ^2/NDF:958960.7/19

+ sign 318.838+/-0.048 χ^2/NDF: 3225555.3/36

All: 315.602+/-0.034 χ^2/NDF: 6783214.0/75

- sign 312.452+/-0.047 χ^2/NDF: 3548652.6/38

asym_sam7_mean vs Slug



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 449.790+/-81.049 χ^2/NDF:49.9/20

Right Out: 302.273+/-123.916 χ^2/NDF: 10.8/18

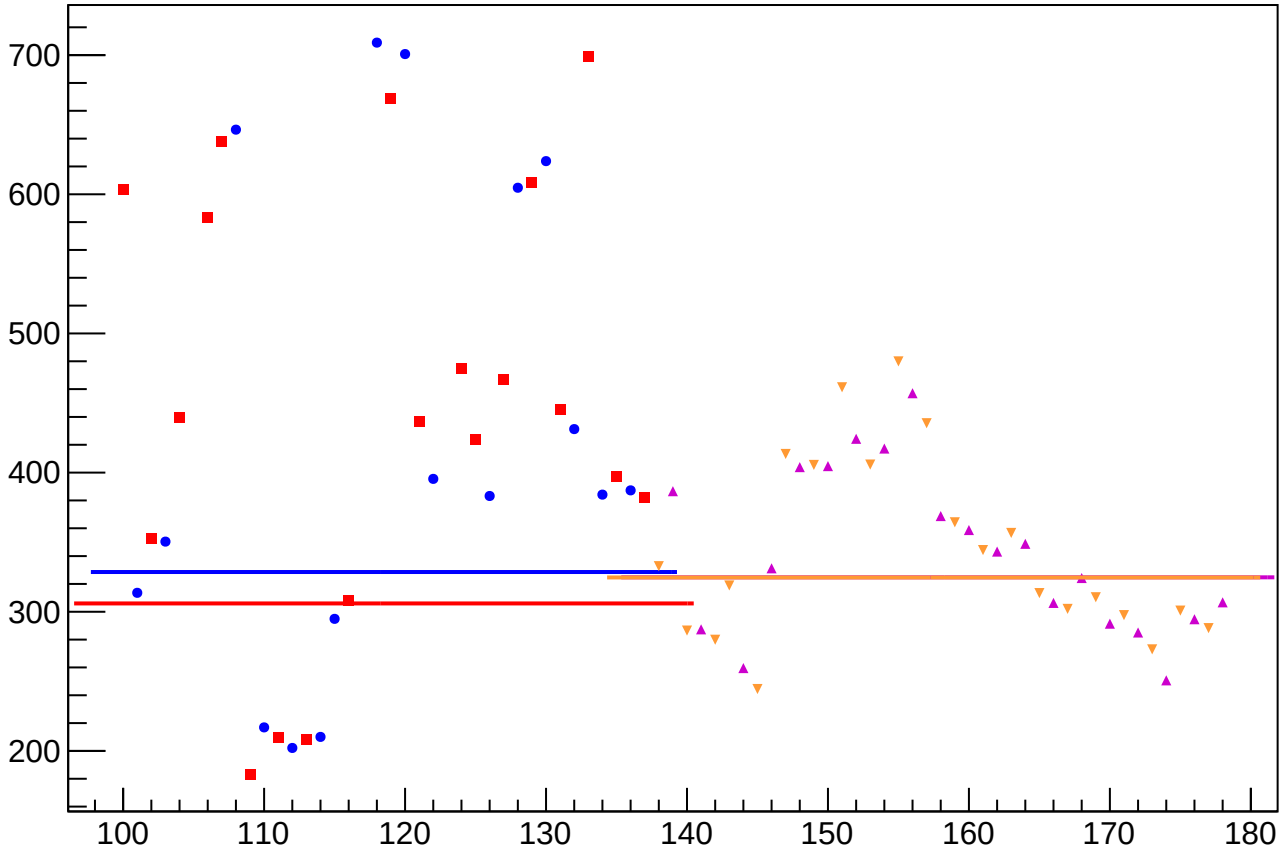
Left In: -9.909+/-81.684 χ^2/NDF:24.4/19

+ sign 351.973+/-69.058 χ^2/NDF: 76.1/36

All: 216.641+/-48.525 χ^2/NDF: 123.3/75

- sign 84.653+/-68.200 χ^2/NDF: 39.6/38

asym_sam7_rms vs Slug



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 324.659+/-0.057 χ^2/NDF:1014455.8/20

Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

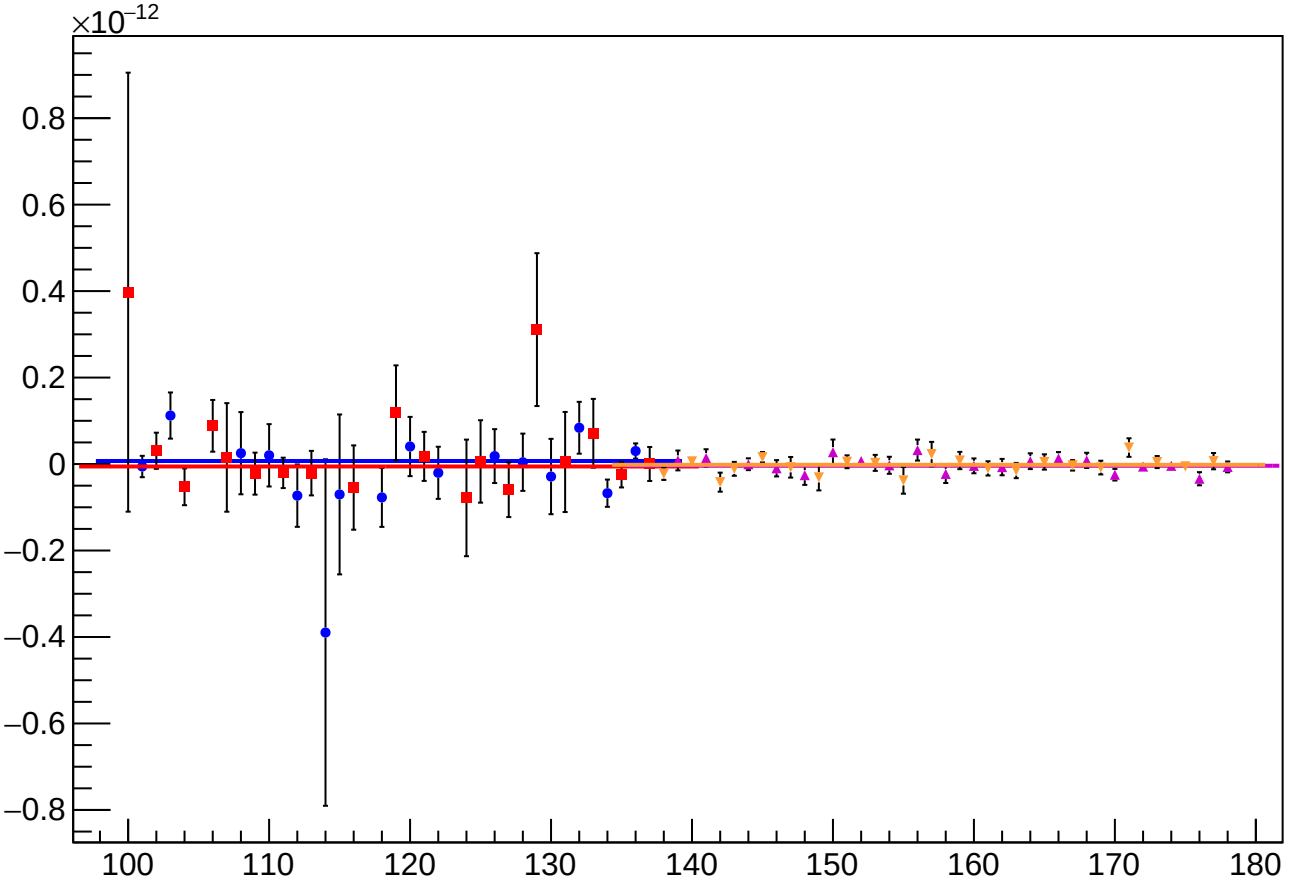
Left In: 324.750+/-0.058 χ^2/NDF:911117.9/19

+ sign 325.730+/-0.049 χ^2/NDF: 2974602.9/36

All: 322.357+/-0.034 χ^2/NDF: 6454569.1/75

- sign 319.067+/-0.048 χ^2/NDF: 3470540.6/38

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:17.2/20

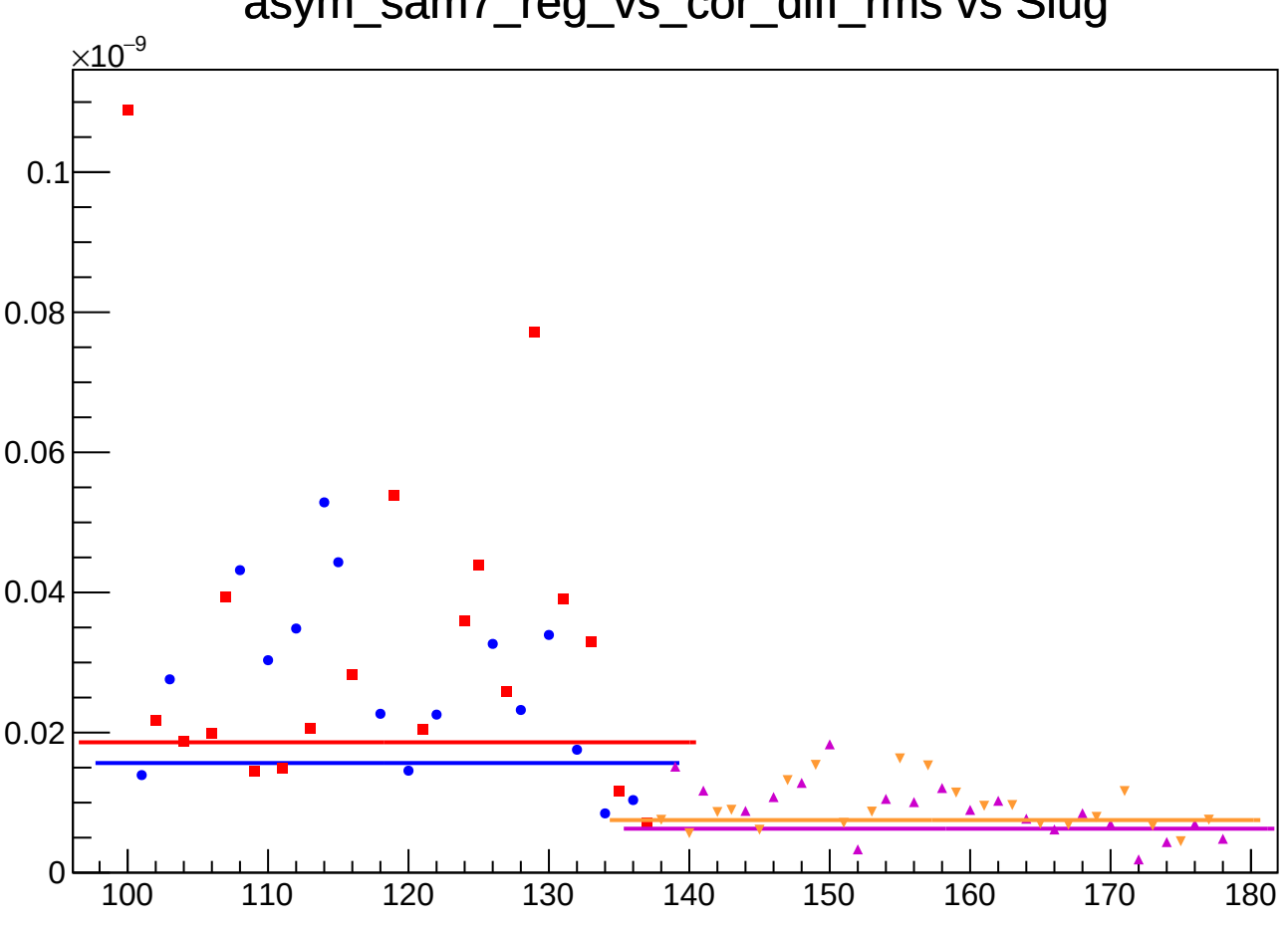
Right Out: -0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: -0.000+/-0.000 χ^2/NDF:15.8/19

+ sign -0.000+/-0.000 χ^2/NDF: 35.5/36

All: -0.000+/-0.000 χ^2/NDF: 64.6/75

- sign -0.000+/-0.000 χ^2/NDF: 28.6/38



Right In: 0.000+/-0.000 χ^2/NDF: 1164380.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1193110.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1228542.0/18

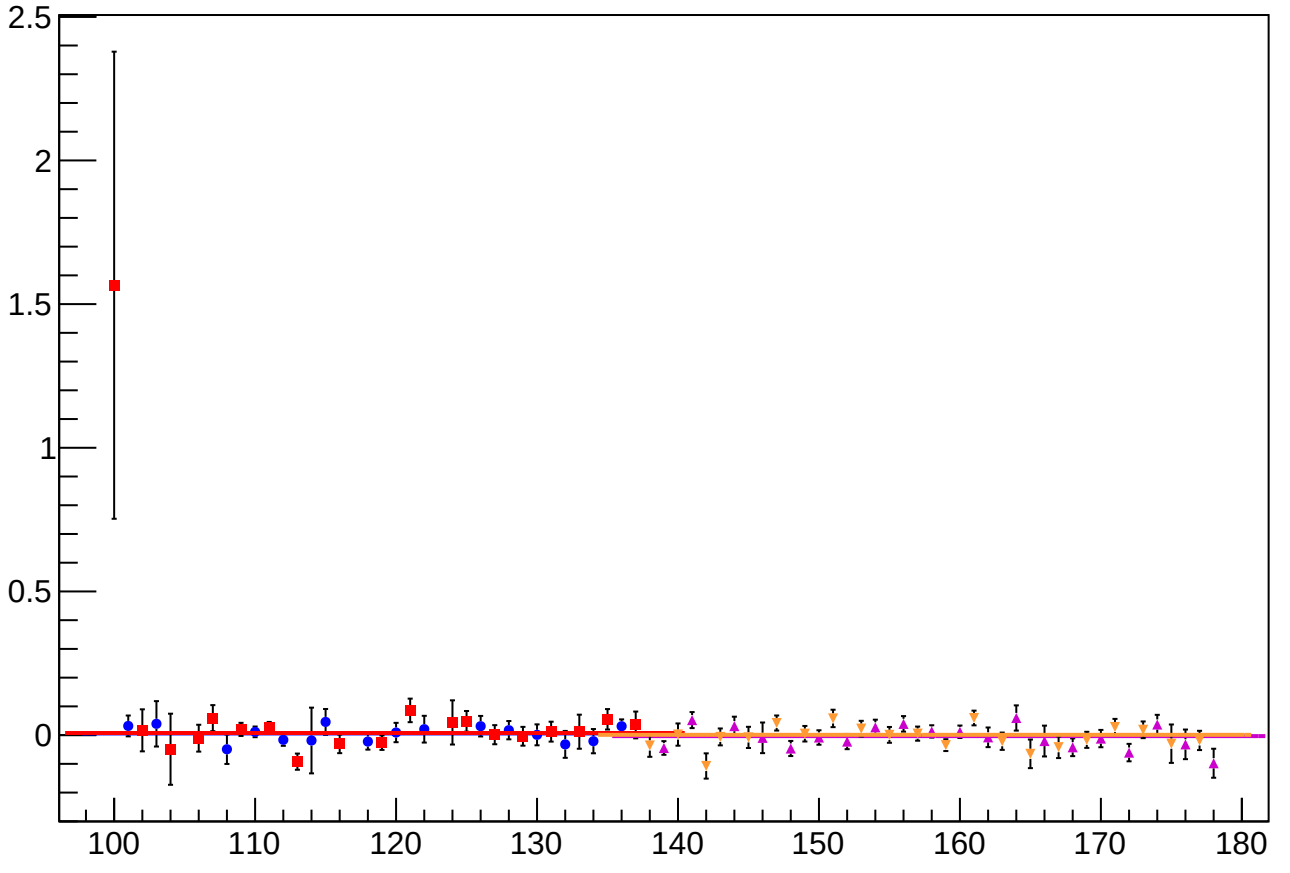
Left In: 0.000+/-0.000 χ^2/NDF:2725926.1/19

+ sign 0.000+/-0.000 χ^2/NDF: 3367112.2/36

All: 0.000+/-0.000 χ^2/NDF: 9204316.8/75

- sign 0.000+/-0.000 χ^2/NDF: 5692296.7/38

asym_sam7_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:27.9/20

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

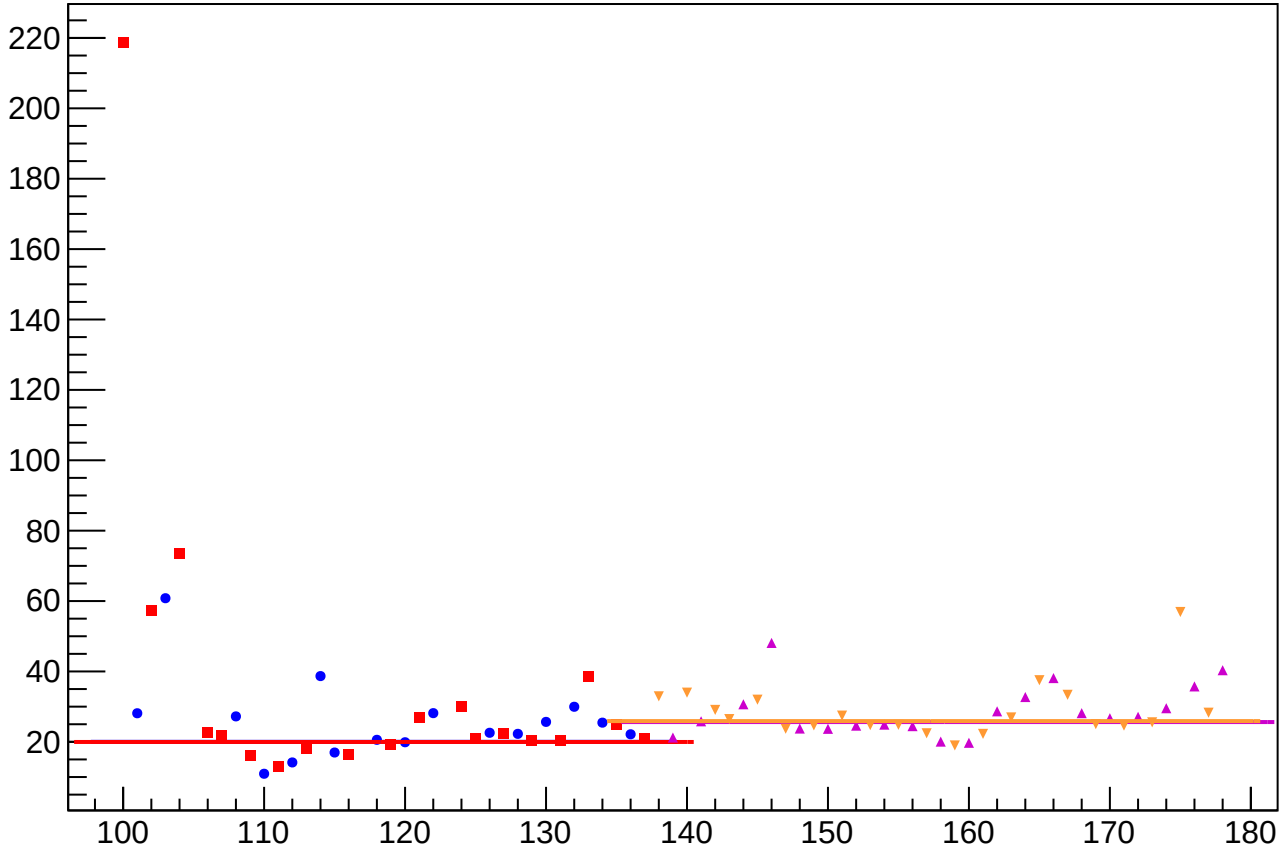
Left In: -0.003+/-0.007 χ^2/NDF:28.9/19

+ sign 0.003+/-0.005 χ^2/NDF: 36.0/36

All: 0.002+/-0.004 χ^2/NDF: 95.8/75

- sign 0.001+/-0.005 χ^2/NDF: 59.8/38

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 25.894+/-0.005 χ^2/NDF:1187585.2/20

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

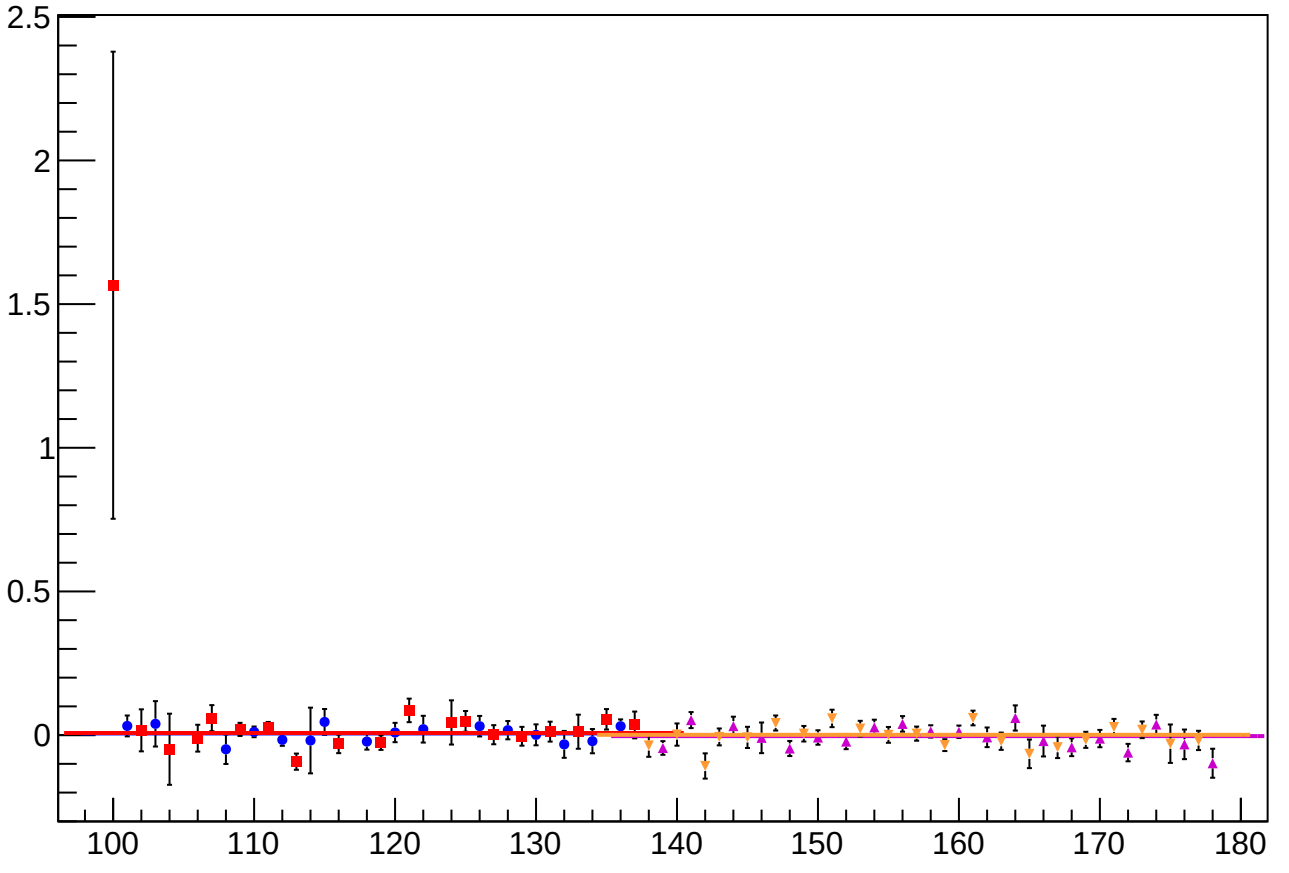
Left In: 25.620+/-0.005 χ^2/NDF:1255045.2/19

+ sign 23.560+/-0.004 χ^2/NDF: 3457875.2/36

All: 23.446+/-0.003 χ^2/NDF: 7013444.9/75

- sign 23.331+/-0.004 χ^2/NDF: 3553601.8/38

asym_sam7_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:27.9/20

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

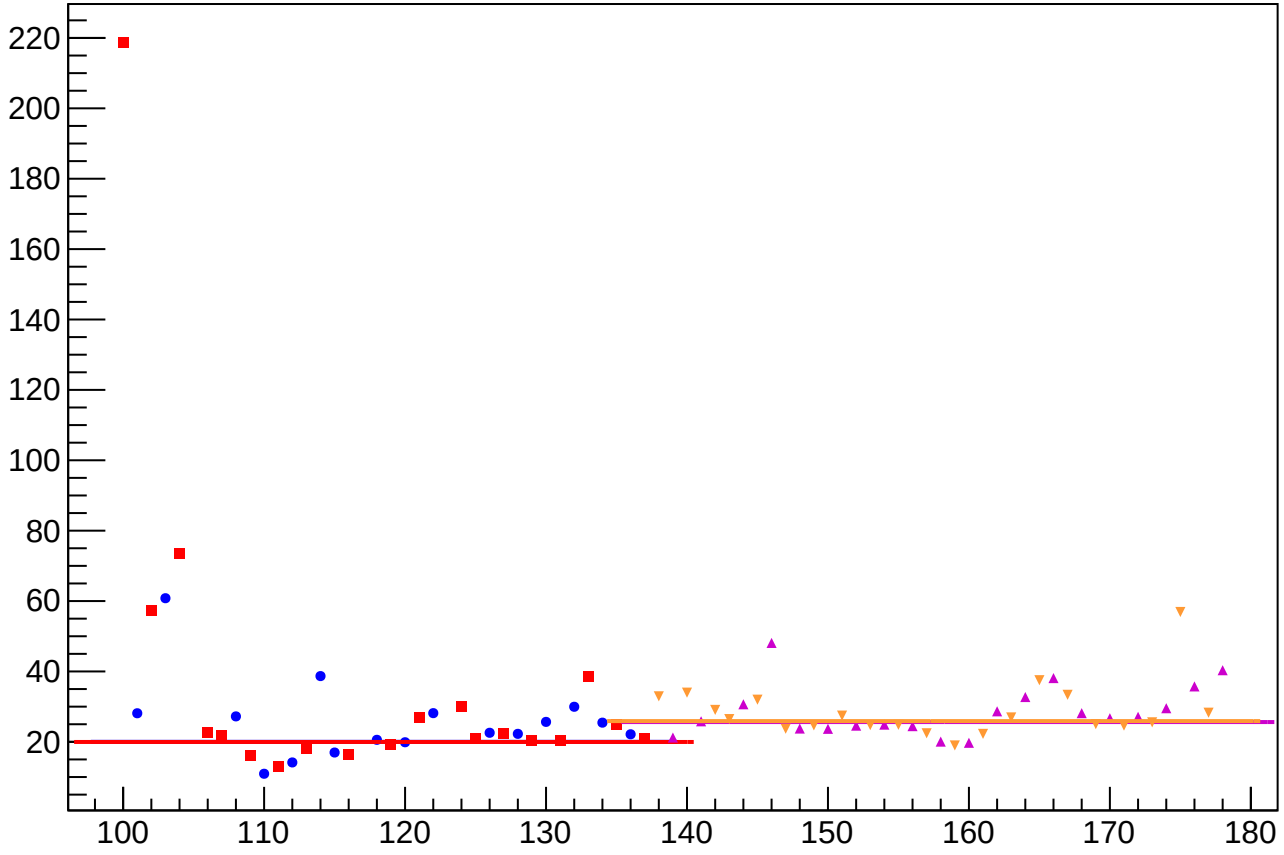
Left In: -0.003+/-0.007 χ^2/NDF:28.9/19

+ sign 0.003+/-0.005 χ^2/NDF: 36.0/36

All: 0.002+/-0.004 χ^2/NDF: 95.8/75

- sign 0.001+/-0.005 χ^2/NDF: 59.8/38

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 25.894+/-0.005 χ^2/NDF:1187585.2/20

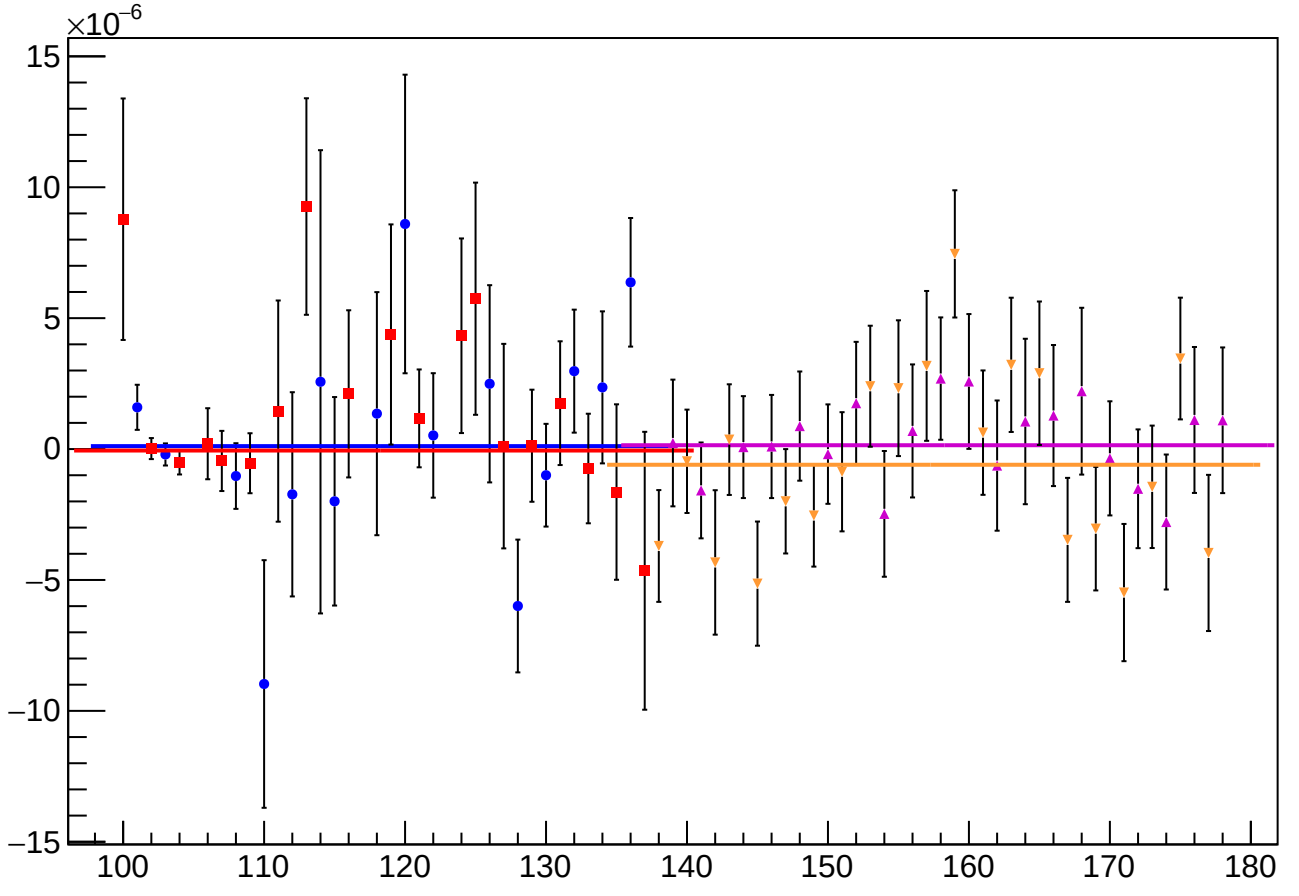
Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 25.620+/-0.005 χ^2/NDF:1255045.2/19

+ sign 23.560+/-0.004 χ^2/NDF: 3457875.2/36

All: 23.446+/-0.003 χ^2/NDF: 7013444.9/75

- sign 23.331+/-0.004 χ^2/NDF: 3553601.8/38



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:39.6/20

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/18

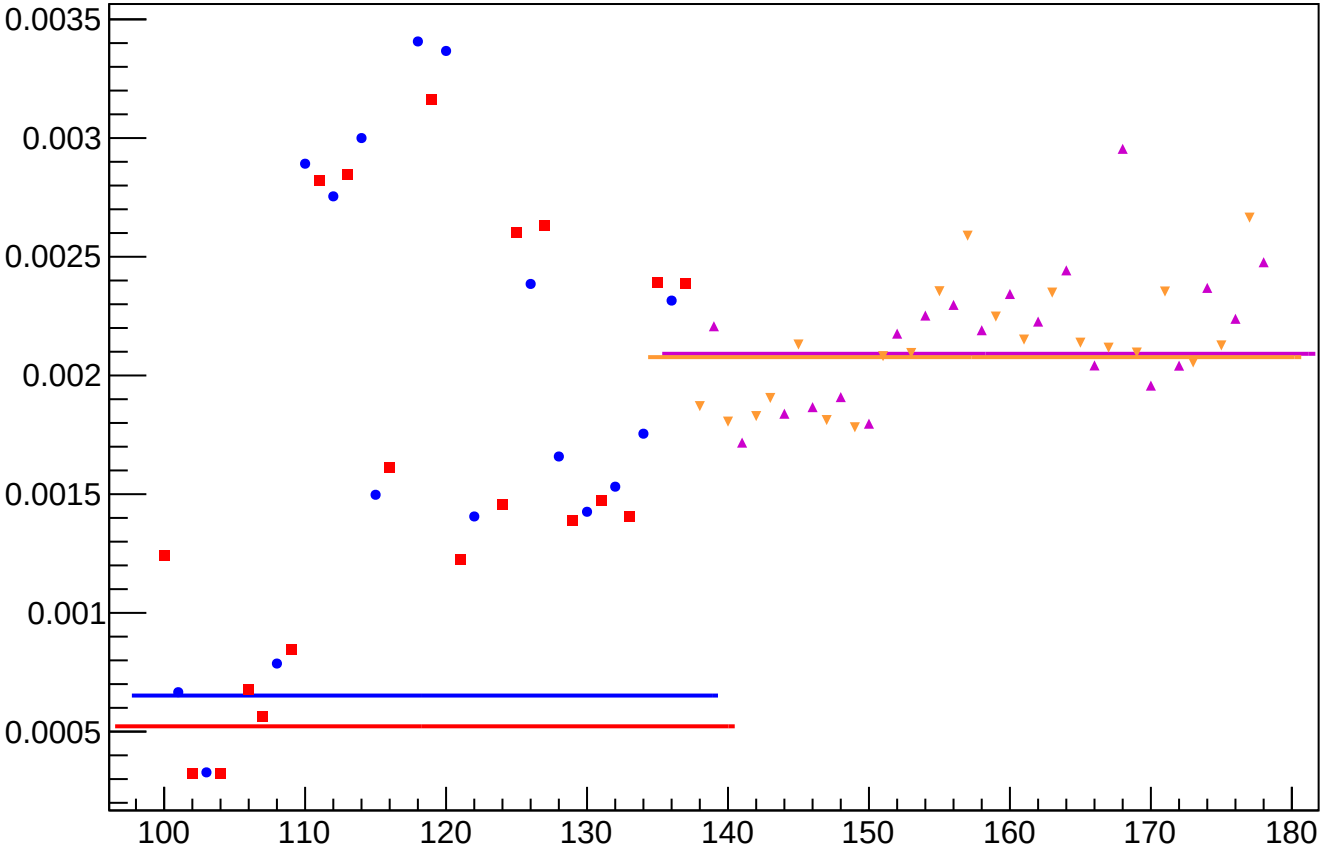
Left In: 0.000+/-0.000 χ^2/NDF:7.7/19

+ sign -0.000+/-0.000 χ^2/NDF: 67.0/36

All: -0.000+/-0.000 χ^2/NDF: 92.0/75

- sign -0.000+/-0.000 χ^2/NDF: 25.0/38

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:392167.7/20

Right Out: 0.001+/-0.000 χ^2/NDF: 6676790.5/18

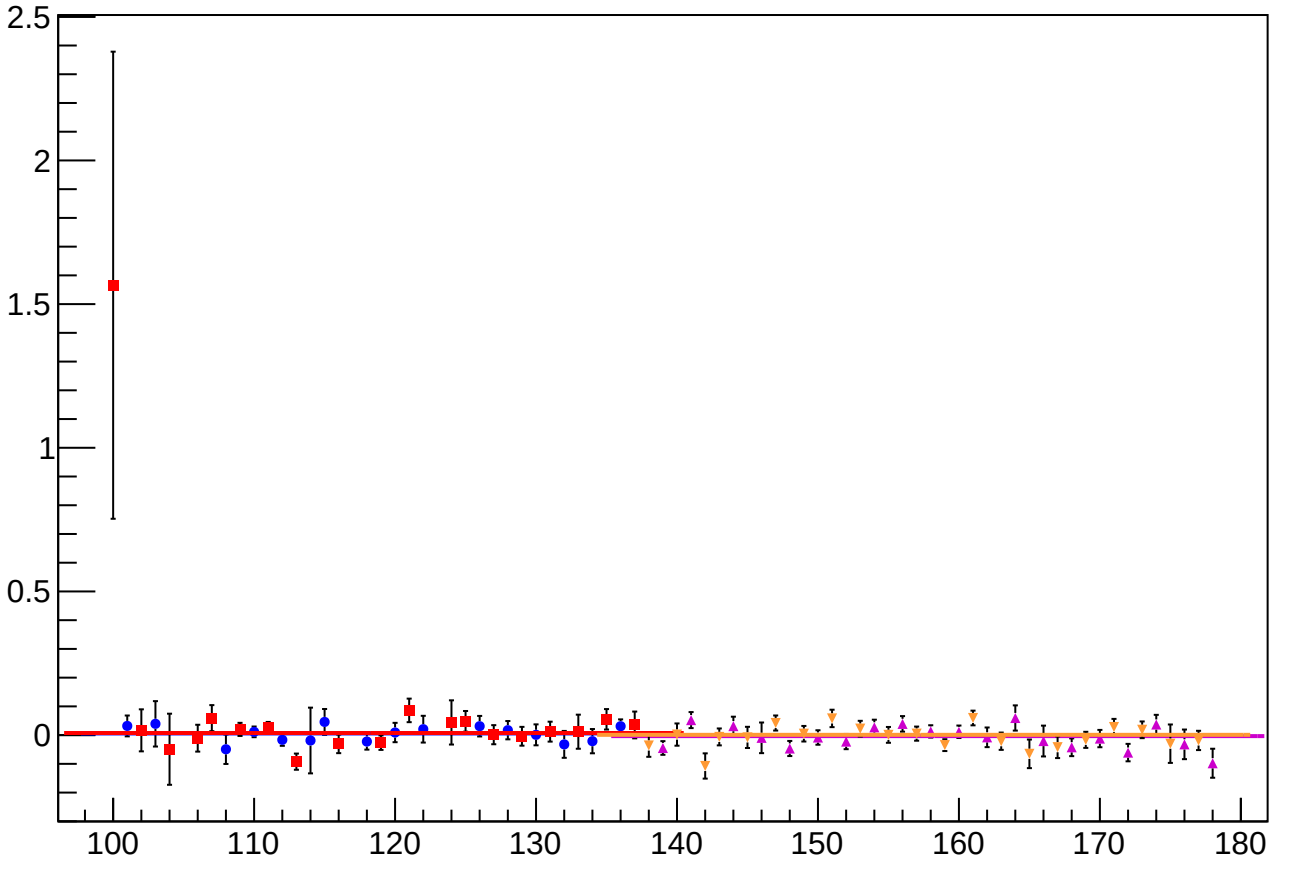
Left In: 0.002+/-0.000 χ^2/NDF:512612.2/19

+ sign 0.001+/-0.000 χ^2/NDF: 17586545.5/36

All: 0.001+/-0.000 χ^2/NDF: 40071422.9/75

- sign 0.001+/-0.000 χ^2/NDF: 21609725.0/38

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:27.9/20

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

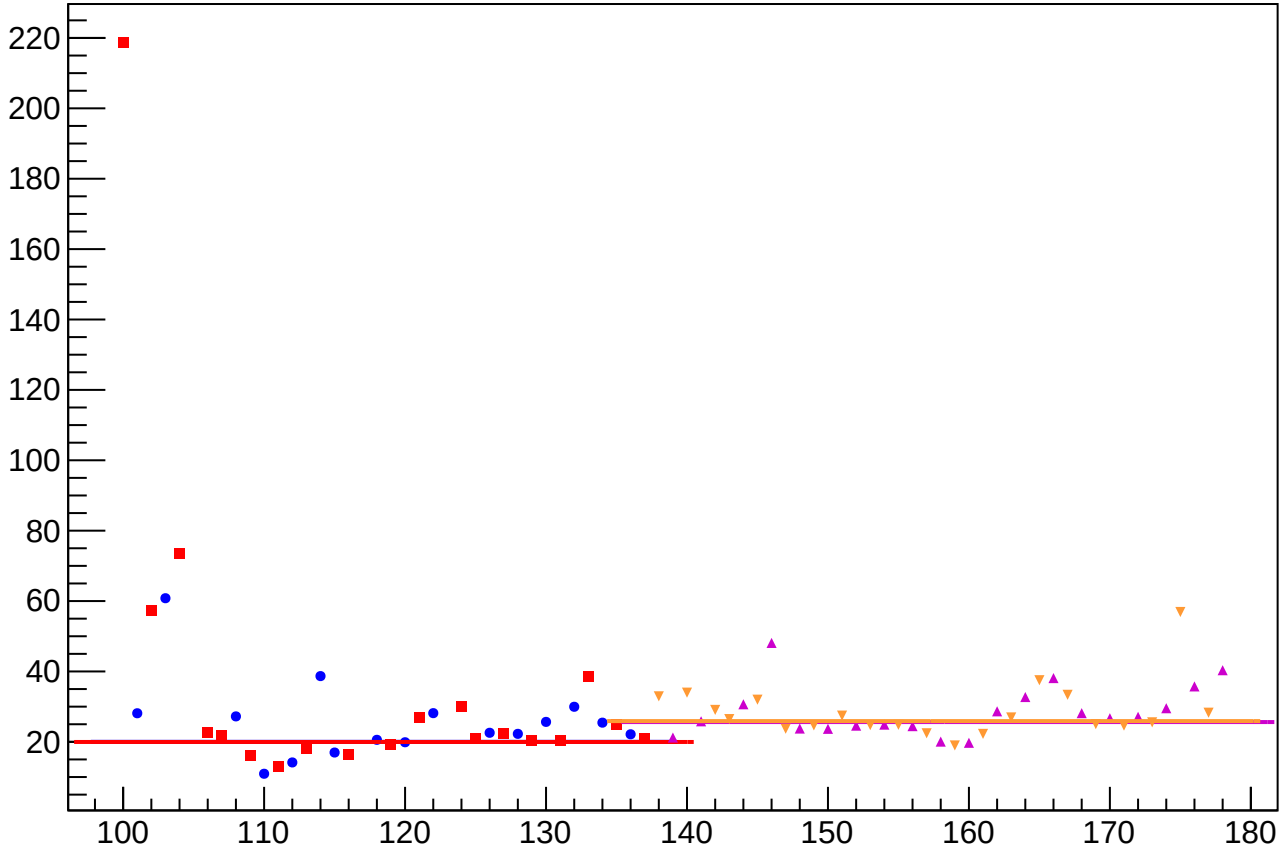
Left In: -0.003+/-0.007 χ^2/NDF:28.9/19

+ sign 0.003+/-0.005 χ^2/NDF: 36.0/36

All: 0.002+/-0.004 χ^2/NDF: 95.8/75

- sign 0.001+/-0.005 χ^2/NDF: 59.8/38

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 25.894+/-0.005 χ^2/NDF:1187636.2/20

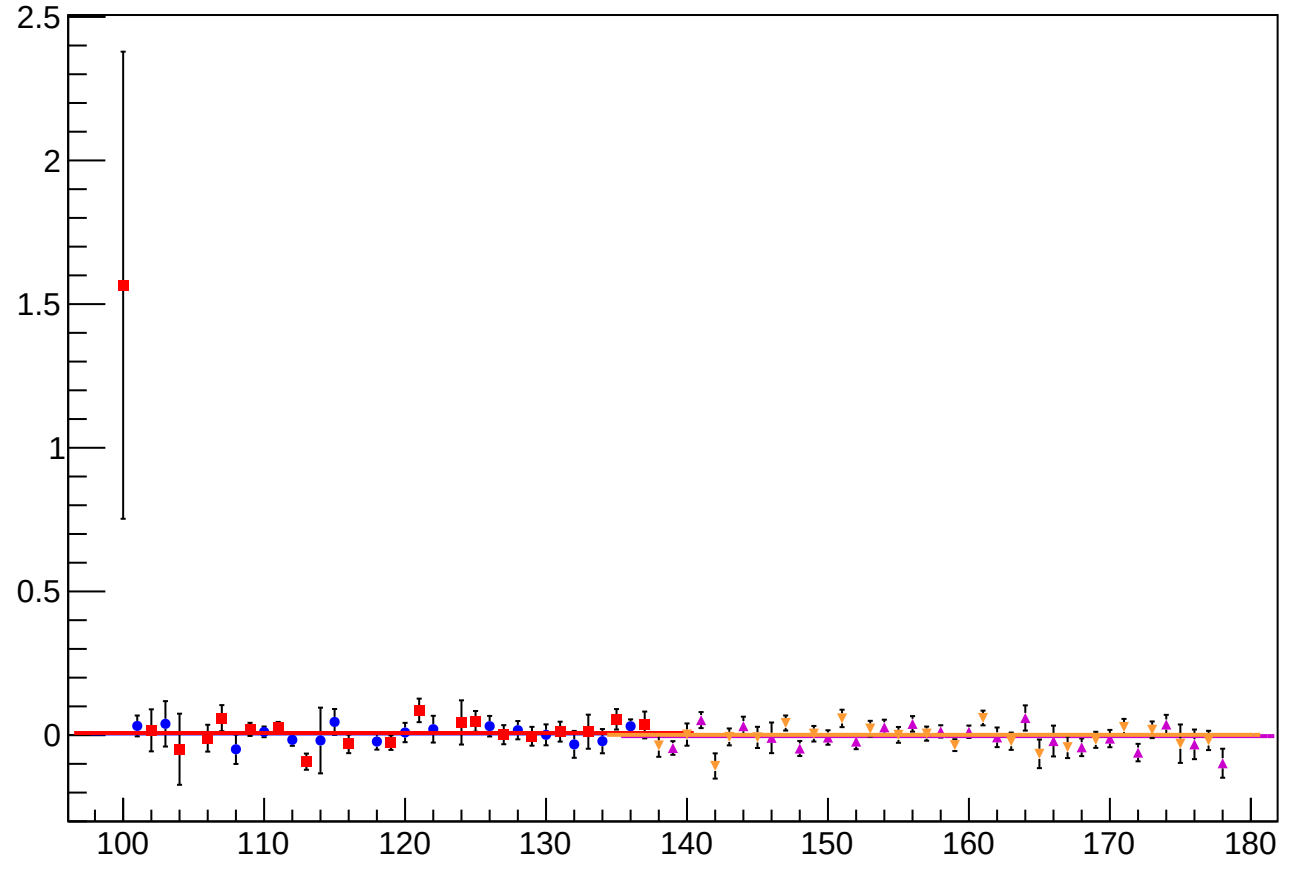
Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 25.620+/-0.005 χ^2/NDF:1255110.1/19

+ sign 23.560+/-0.004 χ^2/NDF: 3457641.9/36

All: 23.446+/-0.003 χ^2/NDF: 7013181.5/75

- sign 23.332+/-0.004 χ^2/NDF: 3553568.5/38



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:27.9/20

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

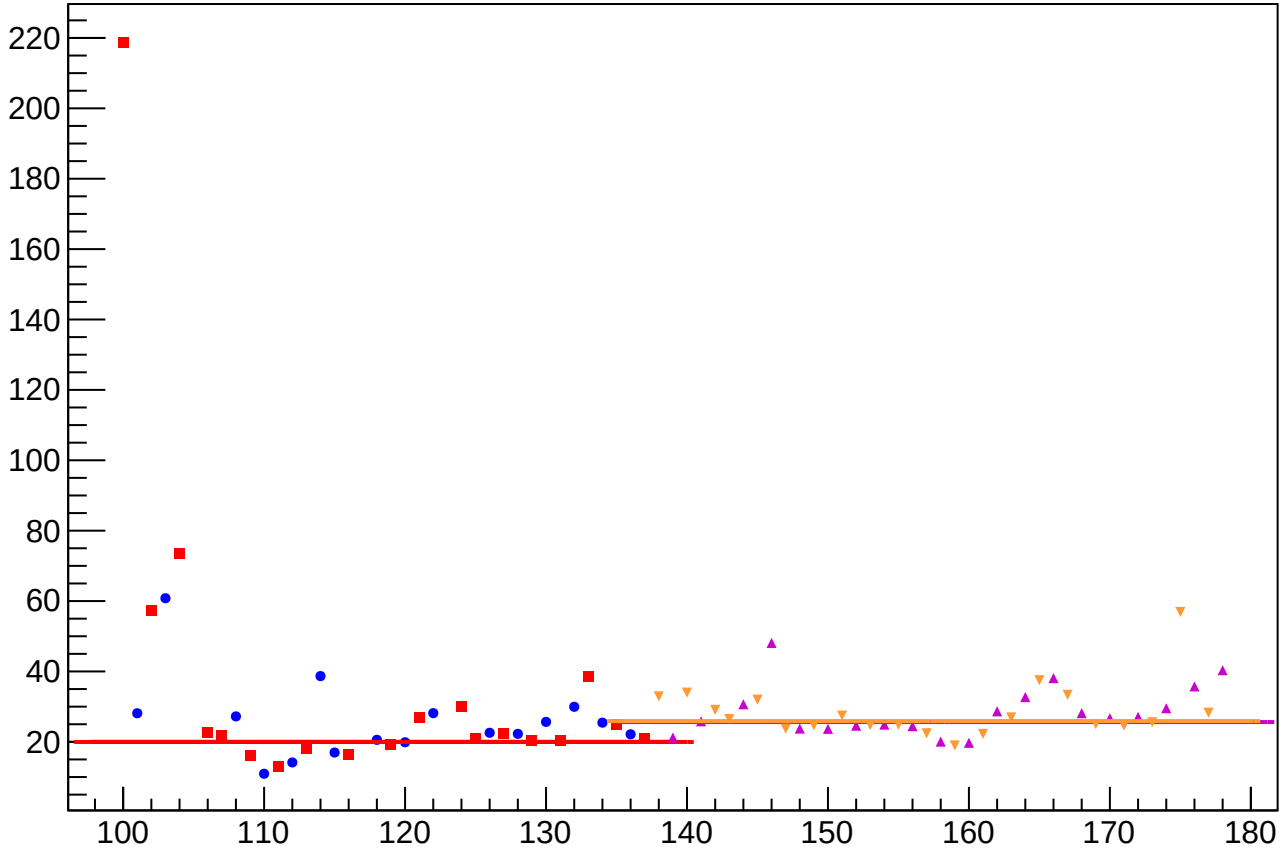
Left In: -0.003+/-0.007 χ^2/NDF:28.9/19

+ sign 0.003+/-0.005 χ^2/NDF: 36.0/36

All: 0.002+/-0.004 χ^2/NDF: 95.8/75

- sign 0.001+/-0.005 χ^2/NDF: 59.8/38

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: 25.894+/-0.005 χ^2/NDF:1187636.2/20

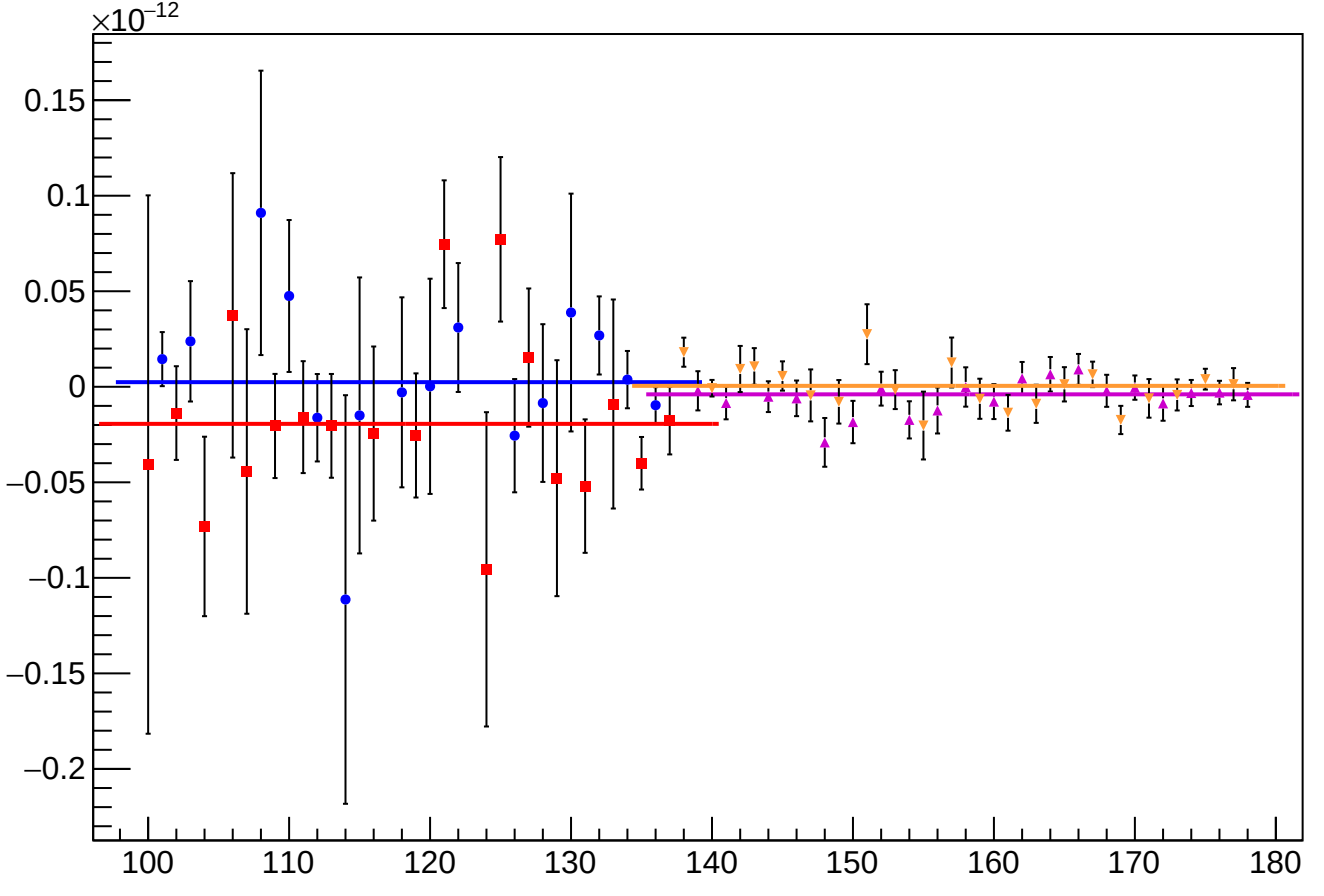
Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 25.620+/-0.005 χ^2/NDF:1255110.1/19

+ sign 23.560+/-0.004 χ^2/NDF: 3457641.9/36

All: 23.446+/-0.003 χ^2/NDF: 7013181.5/75

- sign 23.332+/-0.004 χ^2/NDF: 3553568.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.9/20

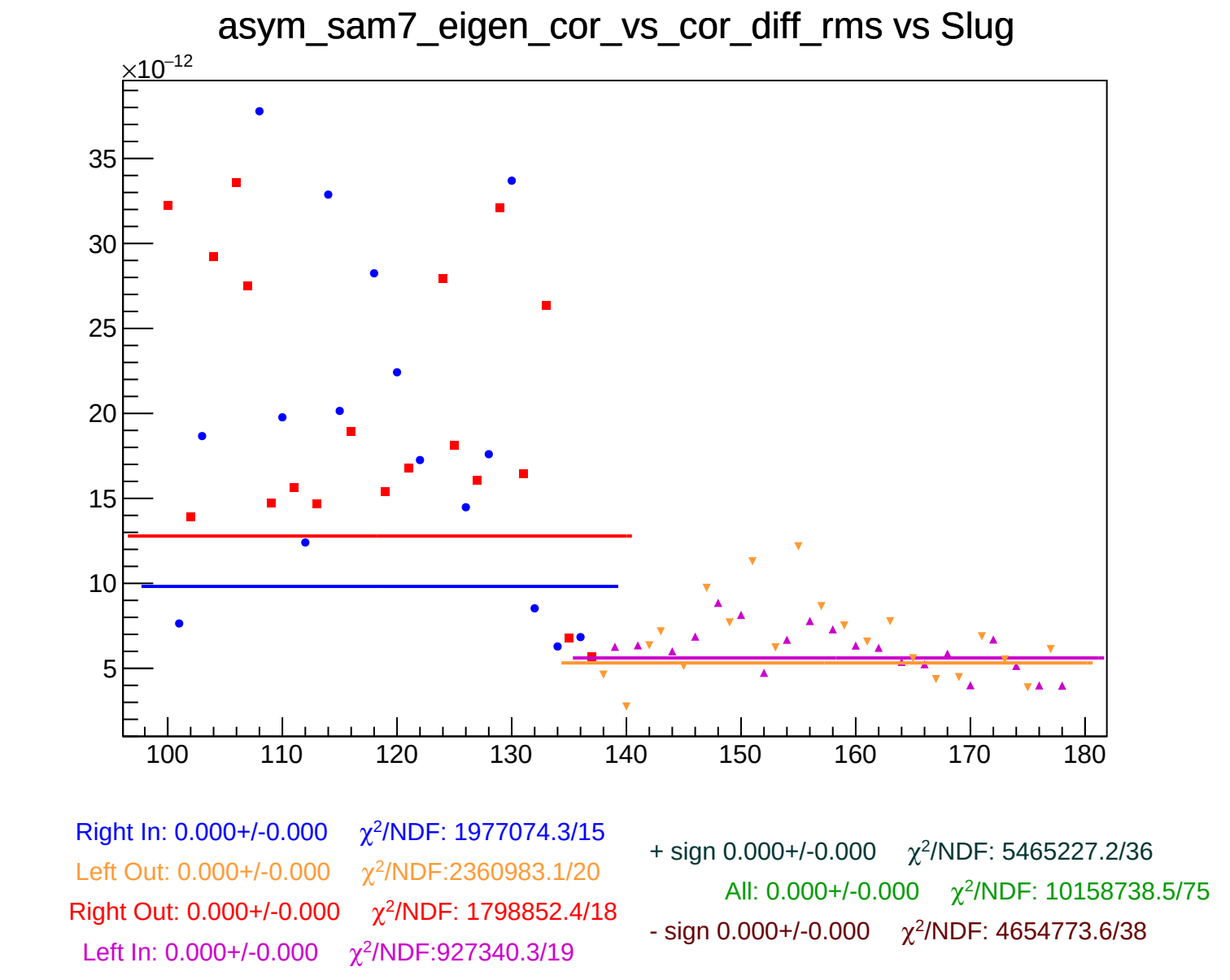
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: -0.000+/-0.000 χ^2/NDF:14.3/19

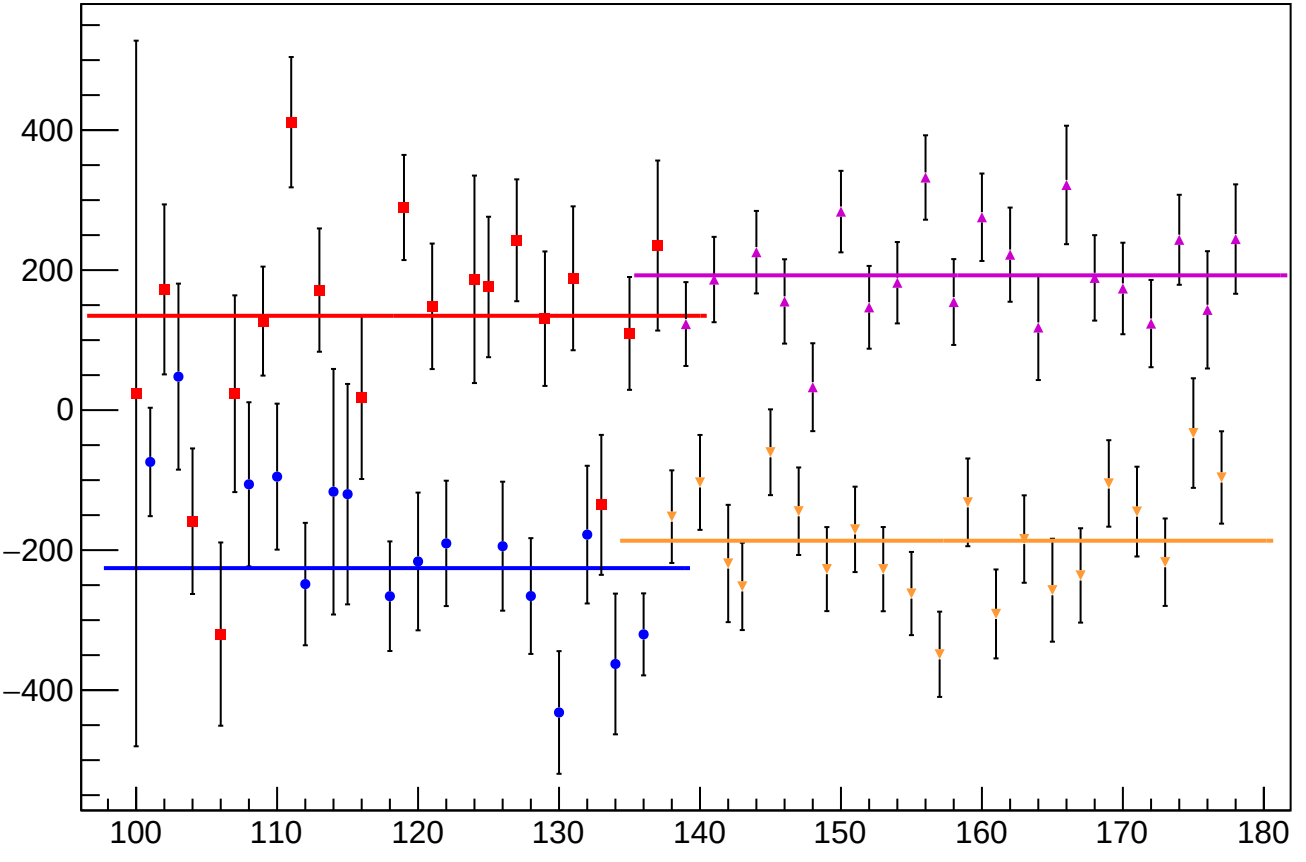
+ sign 0.000+/-0.000 χ^2/NDF: 35.9/36

All: -0.000+/-0.000 χ^2/NDF: 79.9/75

- sign -0.000+/-0.000 χ^2/NDF: 39.0/38


asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
35
30
25
20
15
10
5
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1977074.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2360983.1/20
Right Out: 0.000+/-0.000 χ²/NDF: 1798852.4/18
Left In: 0.000+/-0.000 χ²/NDF:927340.3/19
+ sign 0.000+/-0.000 χ²/NDF: 5465227.2/36
All: 0.000+/-0.000 χ²/NDF: 10158738.5/75
- sign 0.000+/-0.000 χ²/NDF: 4654773.6/38

reg_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -186.551+/-14.057 χ^2/NDF:30.5/20

Right Out: 134.762+/-23.192 χ^2/NDF: 45.3/18

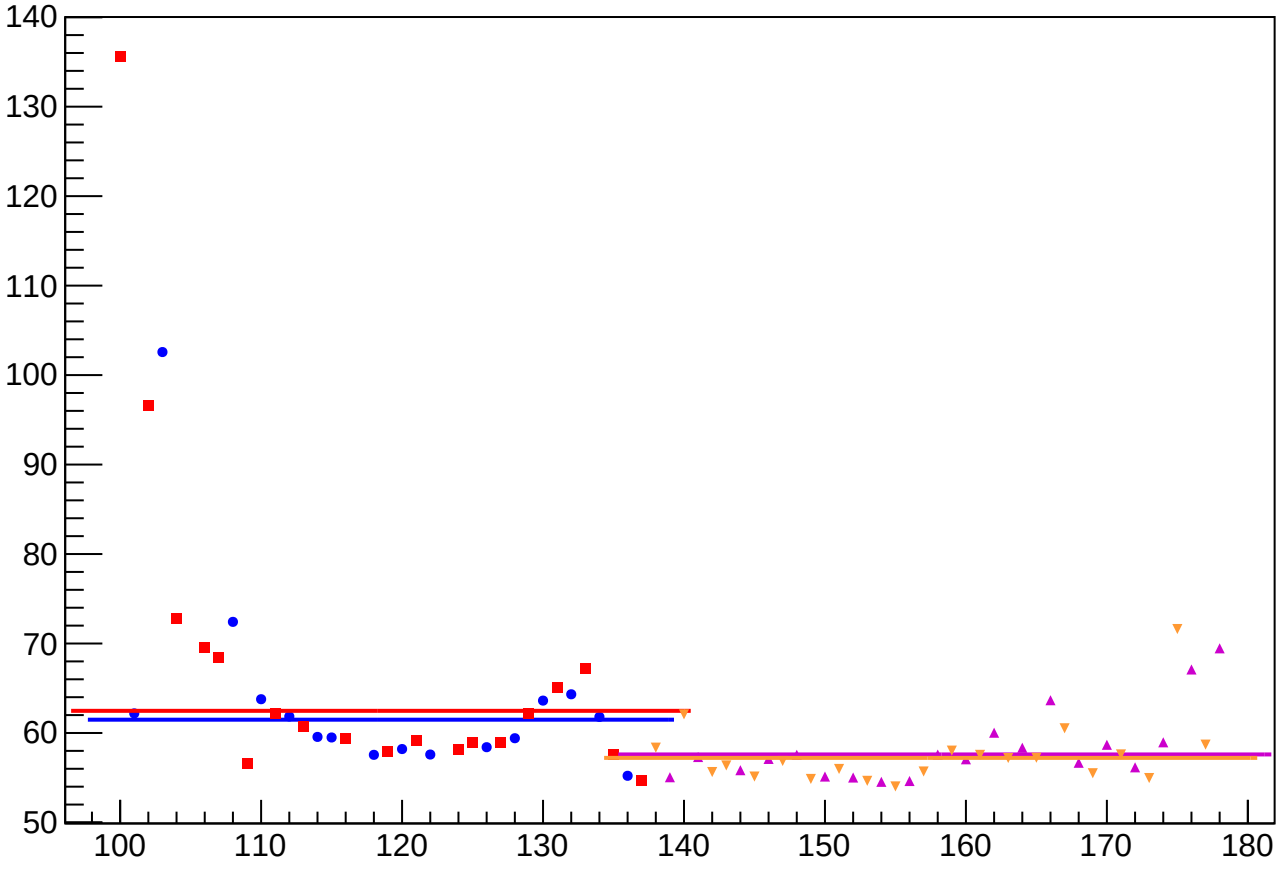
Left In: 192.541+/-14.307 χ^2/NDF:25.4/19

+ sign -197.116+/-12.011 χ^2/NDF: 55.2/36

All: -12.809+/-8.551 χ^2/NDF: 607.8/75

- sign 176.614+/-12.176 χ^2/NDF: 75.1/38

reg_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 57.217+/-0.010 χ^2/NDF:107029.9/20

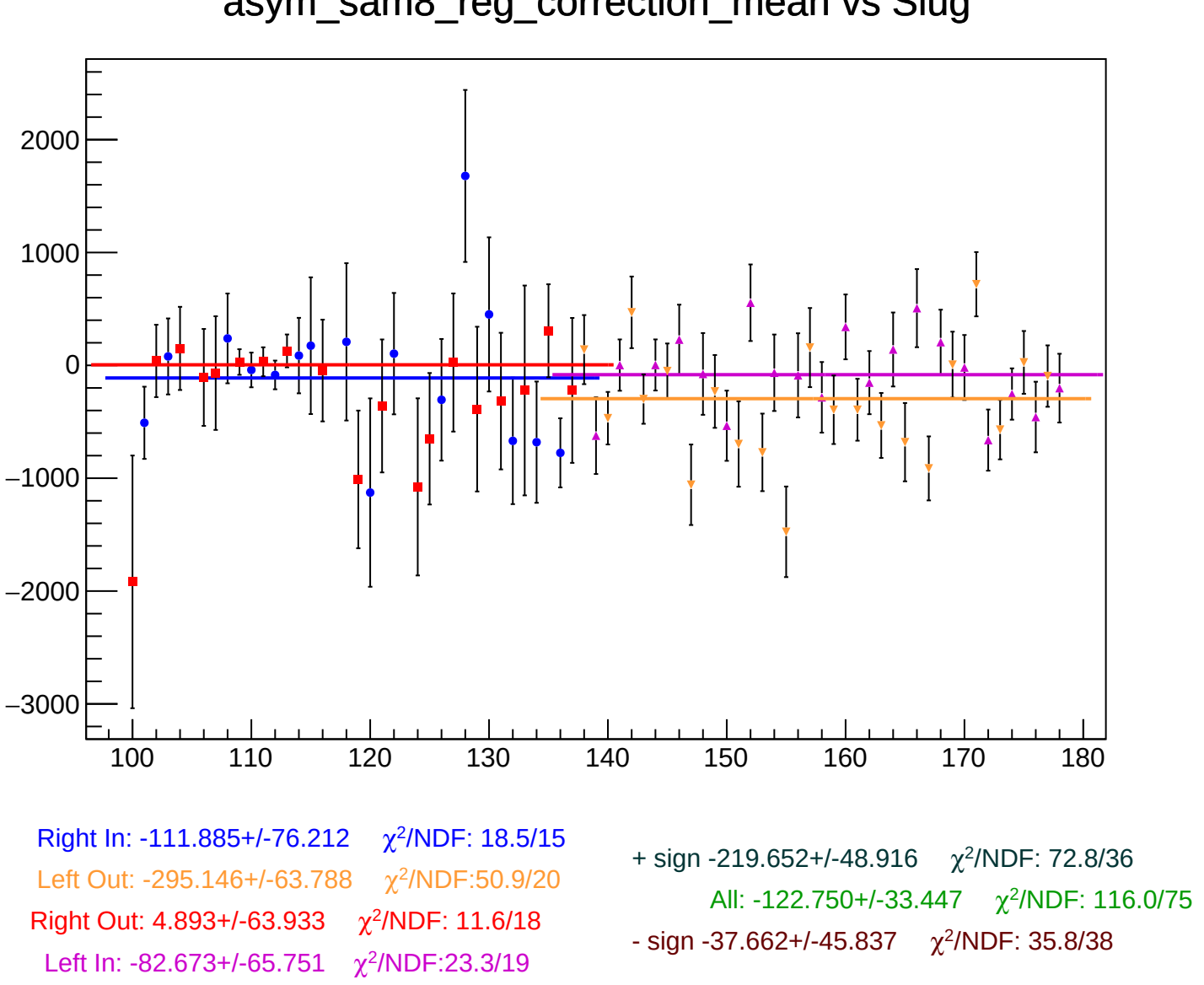
Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

Left In: 57.602+/-0.010 χ^2/NDF:111316.1/19

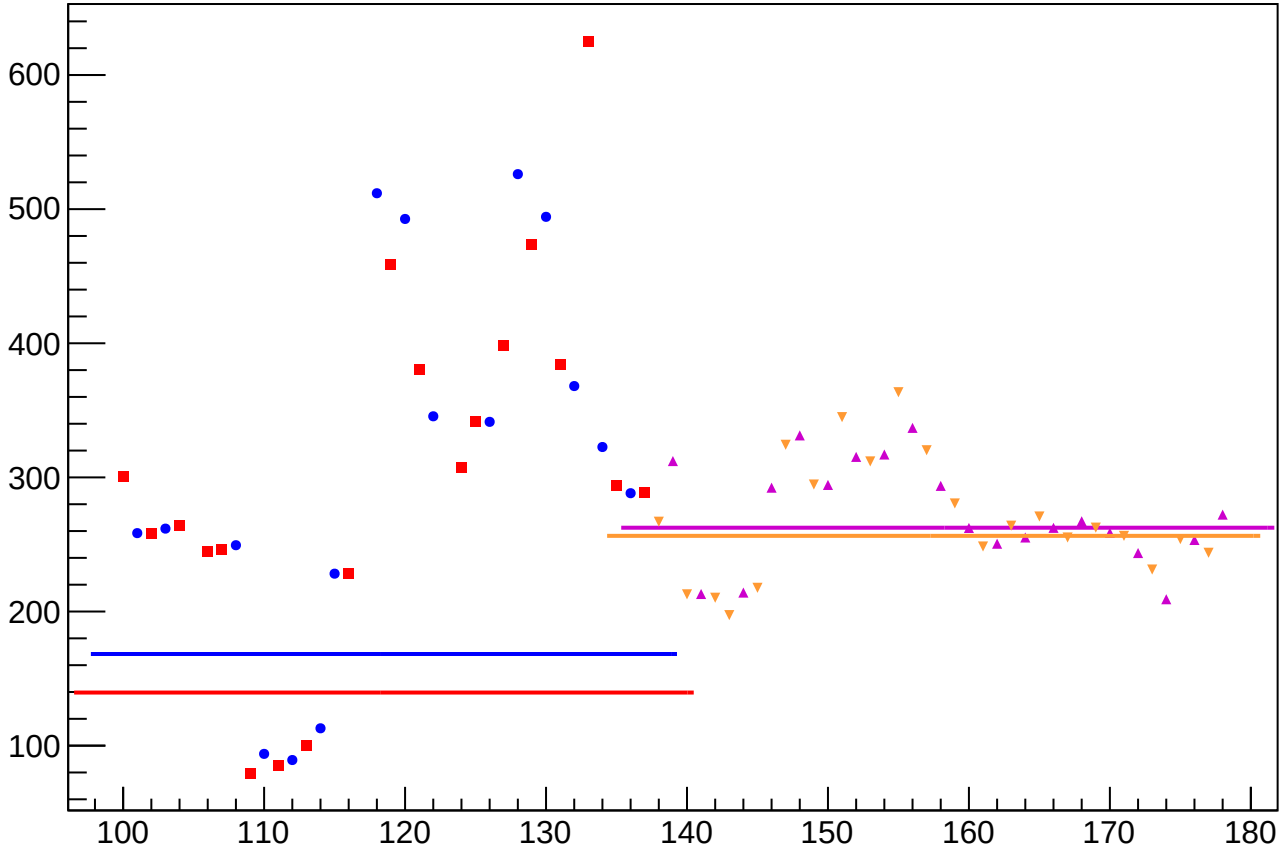
+ sign 58.369+/-0.008 χ^2/NDF: 407481.3/36

All: 58.654+/-0.006 χ^2/NDF: 866192.2/75

- sign 58.946+/-0.009 χ^2/NDF: 456441.3/38


asym_sam8_reg_correction_mean vs Slug
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
180
Right In: -111.885+/-76.212 χ²/NDF: 18.5/15
Left Out: -295.146+/-63.788 χ²/NDF:50.9/20
Right Out: 4.893+/-63.933 χ²/NDF: 11.6/18
Left In: -82.673+/-65.751 χ²/NDF:23.3/19
+ sign -219.652+/-48.916 χ²/NDF: 72.8/36
All: -122.750+/-33.447 χ²/NDF: 116.0/75
- sign -37.662+/-45.837 χ²/NDF: 35.8/38

asym_sam8_reg_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 256.421+/-0.045 χ^2/NDF:824562.6/20

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

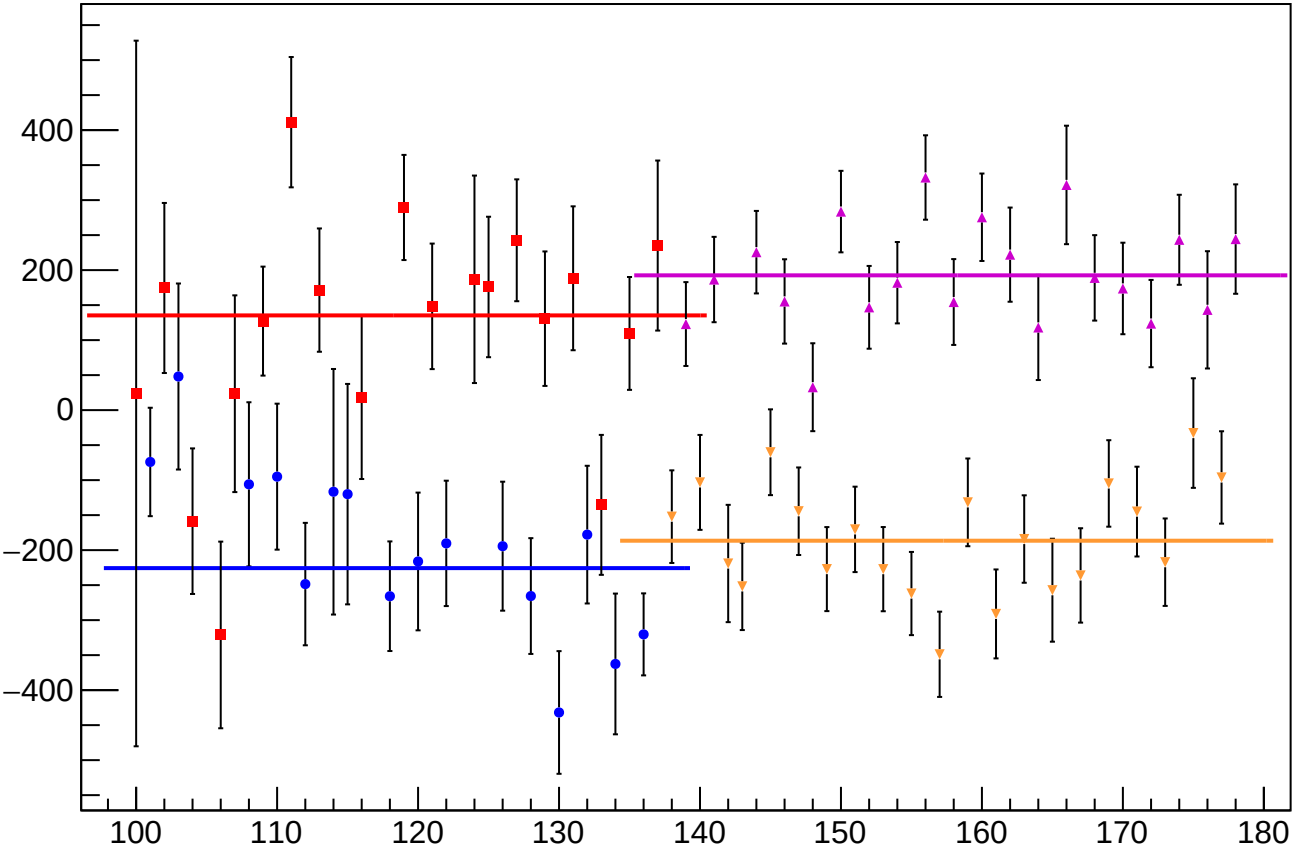
Left In: 262.484+/-0.046 χ^2/NDF:669144.1/19

+ sign 220.132+/-0.035 χ^2/NDF: 6939912.9/36

All: 209.048+/-0.024 χ^2/NDF: 16547280.3/75

- sign 199.316+/-0.032 χ^2/NDF: 9414520.1/38

cor_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -186.548+/-14.057 χ^2/NDF:30.5/20

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

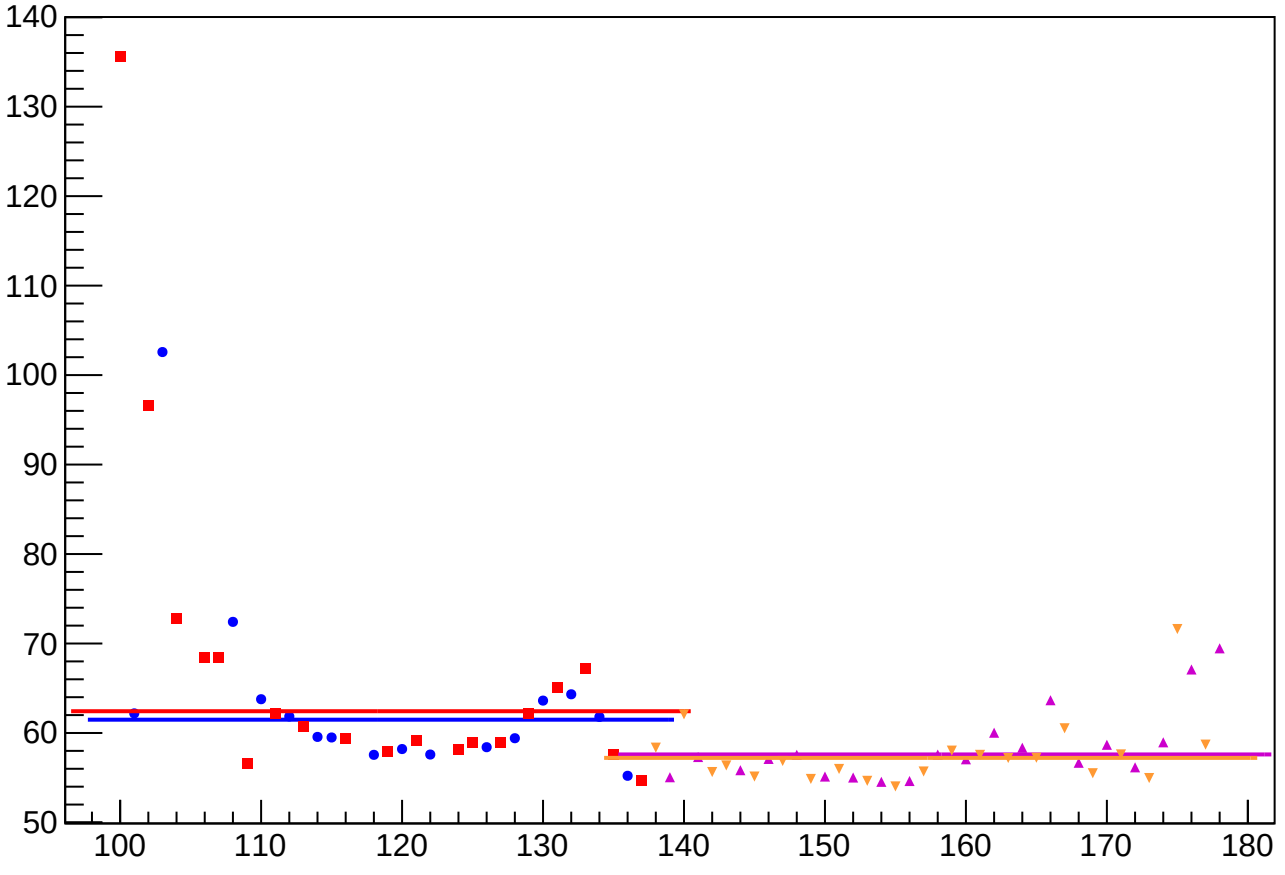
Left In: 192.541+/-14.307 χ^2/NDF:25.4/19

+ sign -197.114+/-12.011 χ^2/NDF: 55.2/36

All: -12.756+/-8.552 χ^2/NDF: 607.7/75

- sign 176.779+/-12.178 χ^2/NDF: 74.7/38

cor_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 57.217+/-0.010 χ^2/NDF:107029.9/20

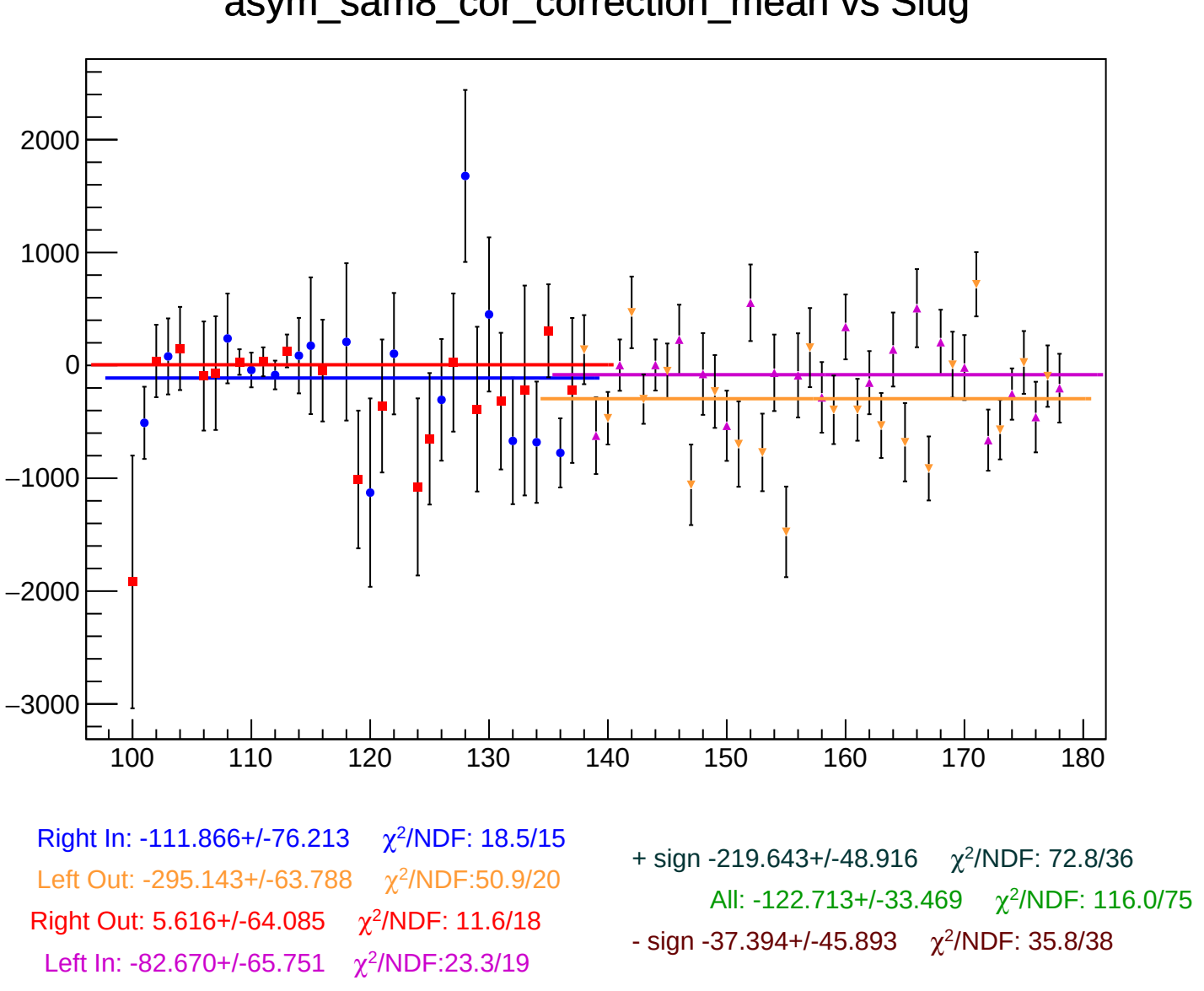
Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 57.602+/-0.010 χ^2/NDF:111316.1/19

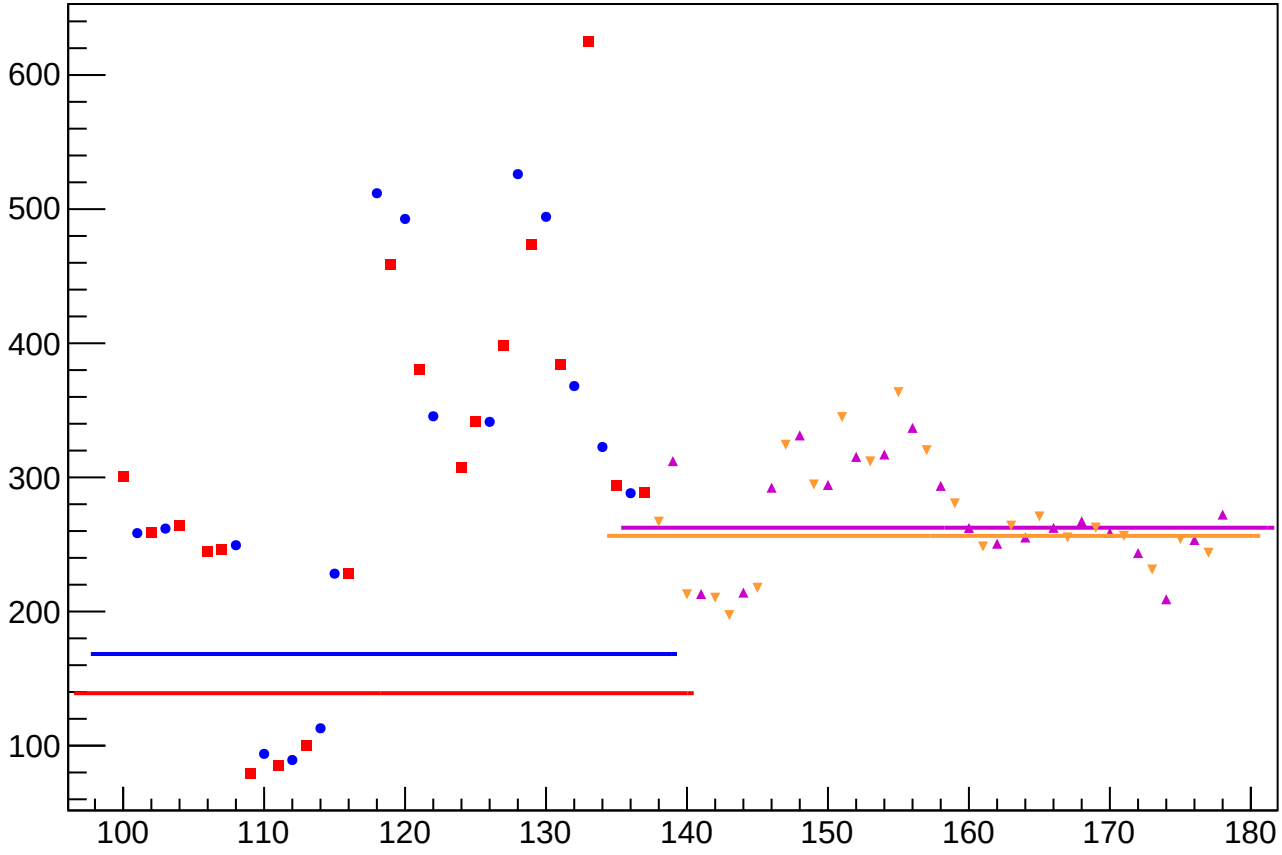
+ sign 58.369+/-0.008 χ^2/NDF: 407483.9/36

All: 58.647+/-0.006 χ^2/NDF: 863175.2/75

- sign 58.933+/-0.009 χ^2/NDF: 453523.2/38


asym_sam8_cor_correction_mean vs Slug
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
180
Right In: -111.866+/-76.213 χ²/NDF: 18.5/15
Left Out: -295.143+/-63.788 χ²/NDF:50.9/20
Right Out: 5.616+/-64.085 χ²/NDF: 11.6/18
Left In: -82.670+/-65.751 χ²/NDF:23.3/19
+ sign -219.643+/-48.916 χ²/NDF: 72.8/36
All: -122.713+/-33.469 χ²/NDF: 116.0/75
- sign -37.394+/-45.893 χ²/NDF: 35.8/38

asym_sam8_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 256.421+/-0.045 χ^2/NDF:824566.3/20

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

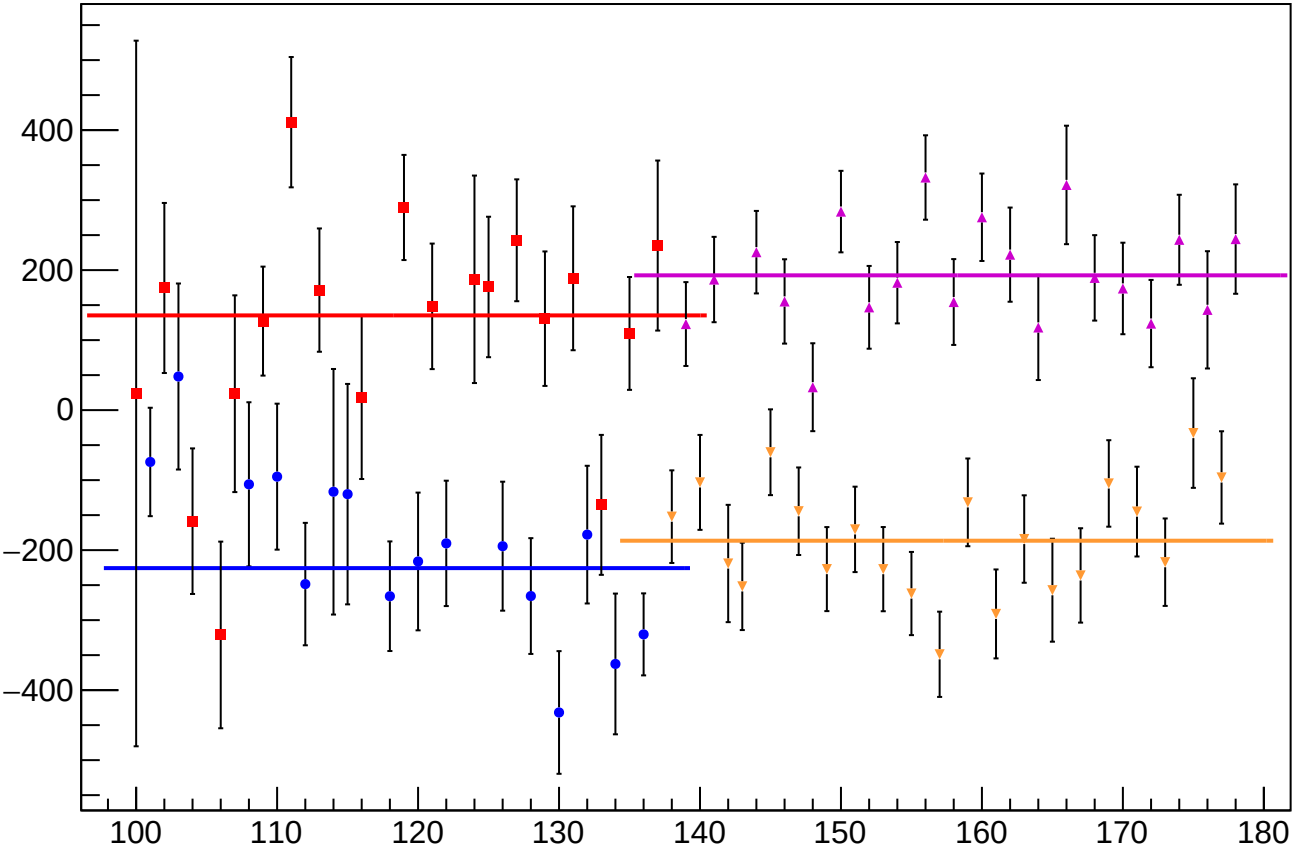
Left In: 262.484+/-0.046 χ^2/NDF:669142.6/19

+ sign 220.132+/-0.035 χ^2/NDF: 6939946.3/36

All: 209.005+/-0.024 χ^2/NDF: 16545158.6/75

- sign 199.211+/-0.032 χ^2/NDF: 9410637.7/38

eigen_cor_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -186.548+/-14.057 χ^2/NDF:30.5/20

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

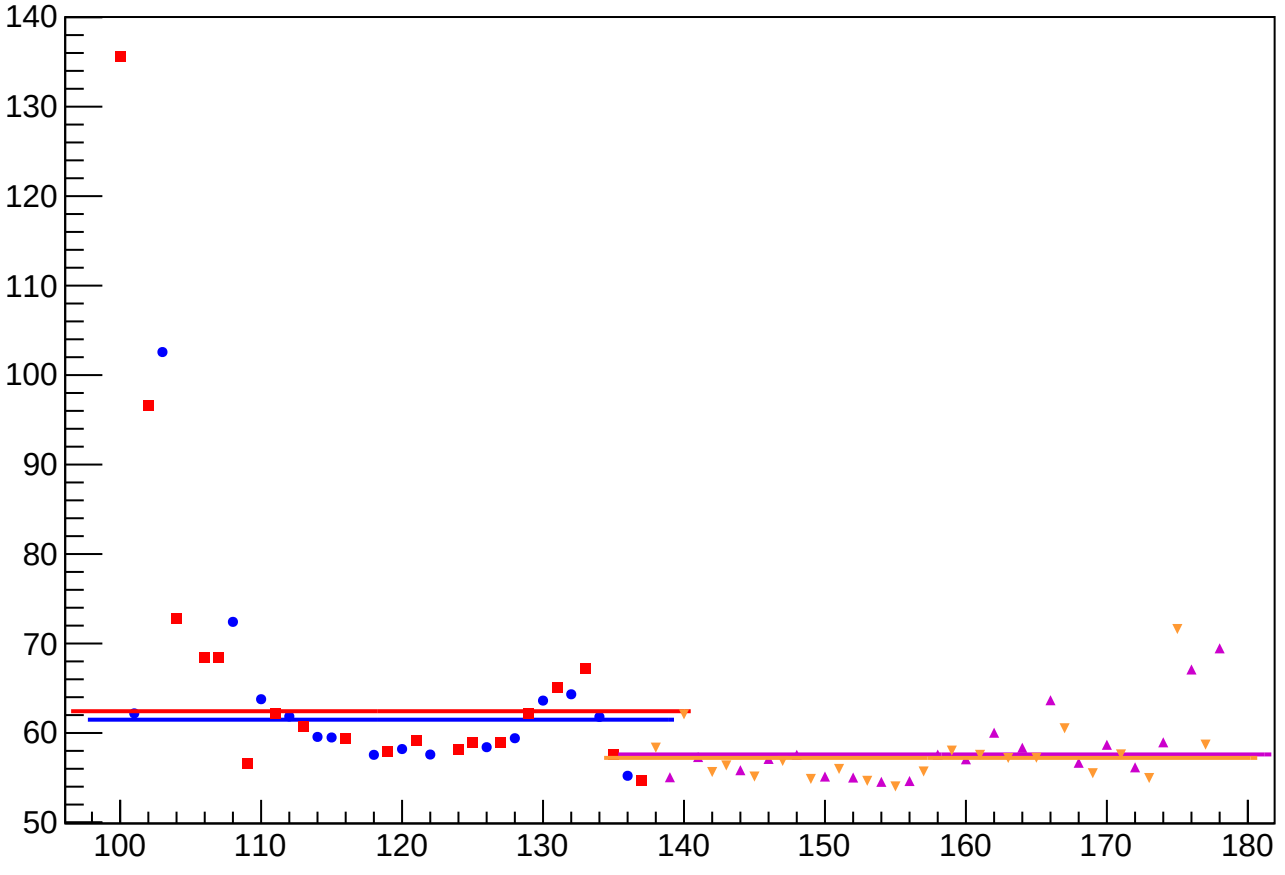
Left In: 192.541+/-14.307 χ^2/NDF:25.4/19

+ sign -197.114+/-12.011 χ^2/NDF: 55.2/36

All: -12.756+/-8.552 χ^2/NDF: 607.7/75

- sign 176.779+/-12.178 χ^2/NDF: 74.7/38

eigen_cor_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 57.217+/-0.010 χ^2/NDF:107029.9/20

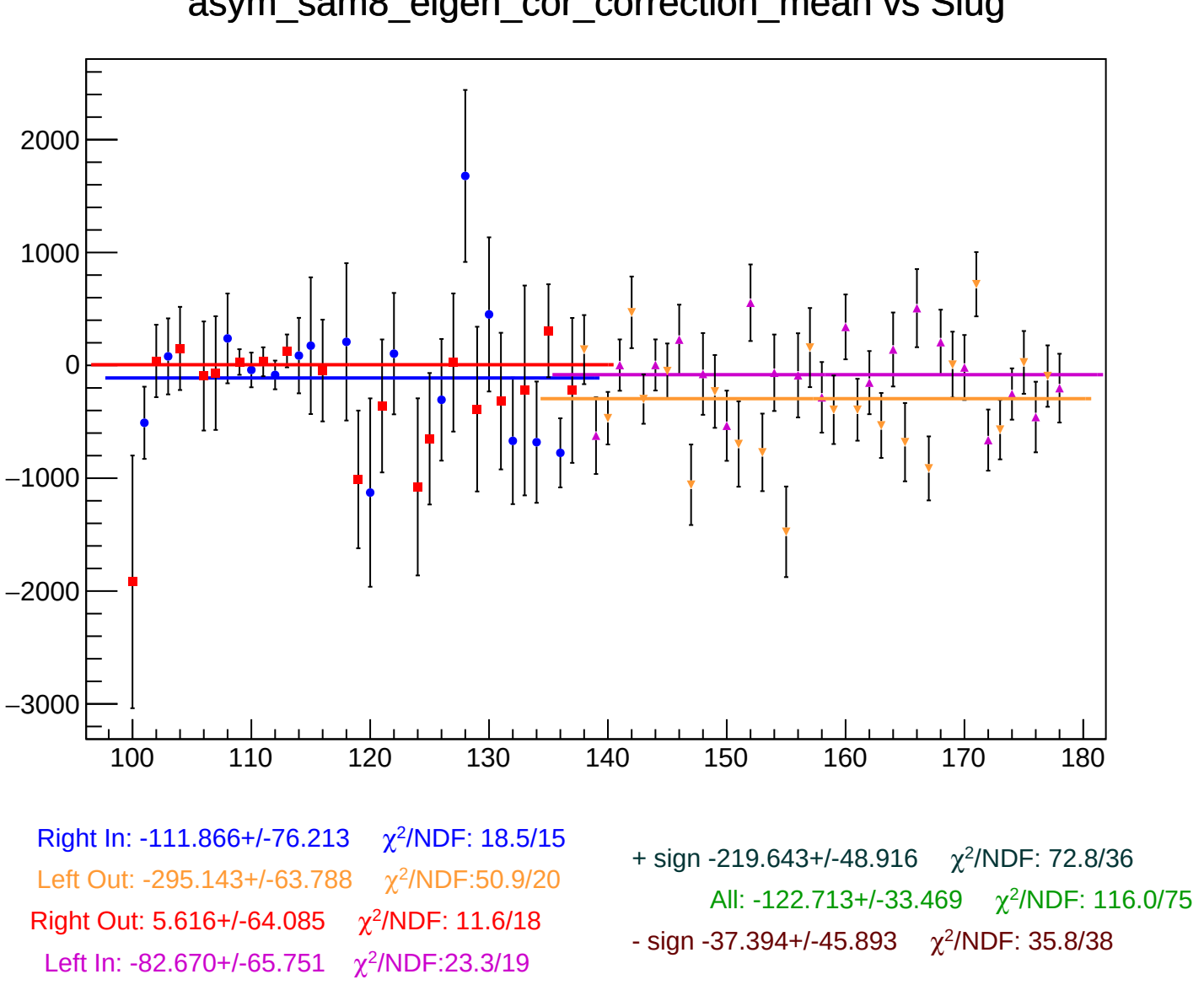
Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 57.602+/-0.010 χ^2/NDF:111316.1/19

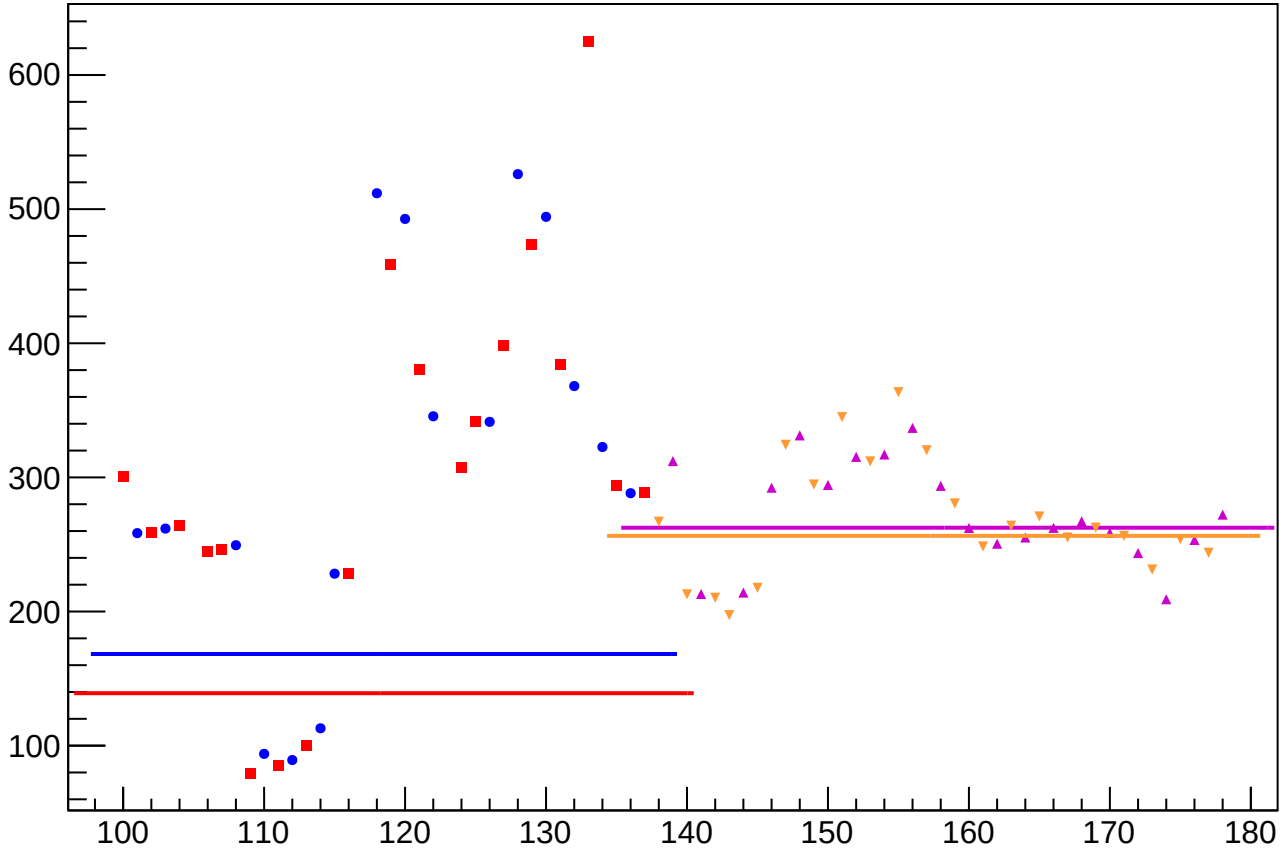
+ sign 58.369+/-0.008 χ^2/NDF: 407483.9/36

All: 58.647+/-0.006 χ^2/NDF: 863175.2/75

- sign 58.933+/-0.009 χ^2/NDF: 453523.2/38


asym_sam8_eigen_cor_correction_mean vs Slug
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
180
Right In: -111.866+/-76.213 χ²/NDF: 18.5/15
Left Out: -295.143+/-63.788 χ²/NDF:50.9/20
Right Out: 5.616+/-64.085 χ²/NDF: 11.6/18
Left In: -82.670+/-65.751 χ²/NDF:23.3/19
+ sign -219.643+/-48.916 χ²/NDF: 72.8/36
All: -122.713+/-33.469 χ²/NDF: 116.0/75
- sign -37.394+/-45.893 χ²/NDF: 35.8/38

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 256.421+/-0.045 χ^2/NDF:824566.3/20

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

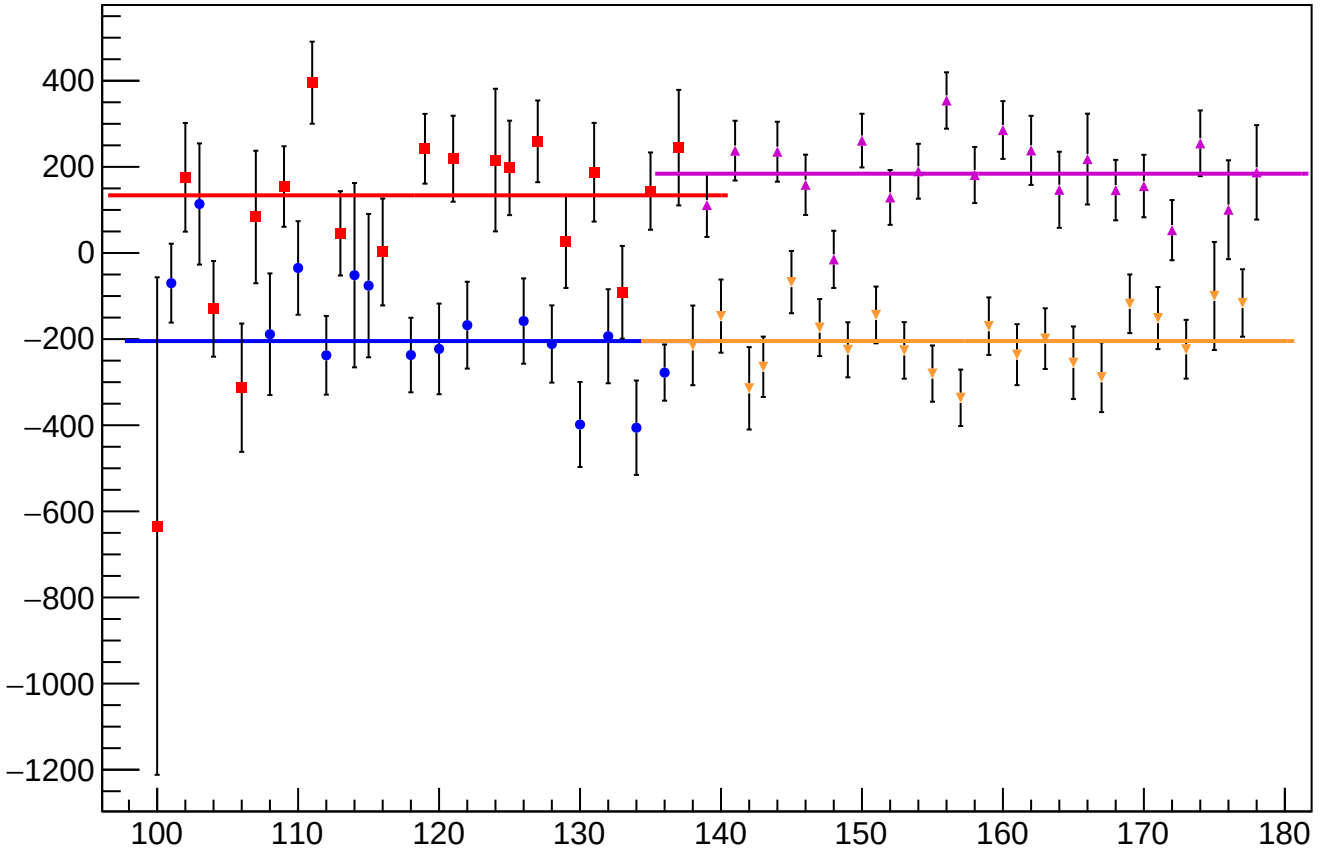
Left In: 262.484+/-0.046 χ^2/NDF:669142.6/19

+ sign 220.132+/-0.035 χ^2/NDF: 6939946.3/36

All: 209.005+/-0.024 χ^2/NDF: 16545158.6/75

- sign 199.211+/-0.032 χ^2/NDF: 9410637.7/38

dit_asym_sam8_mean vs Slug



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -204.452+/-15.955 χ^2/NDF:18.9/20

Right Out: 133.924+/-25.484 χ^2/NDF: 37.2/18

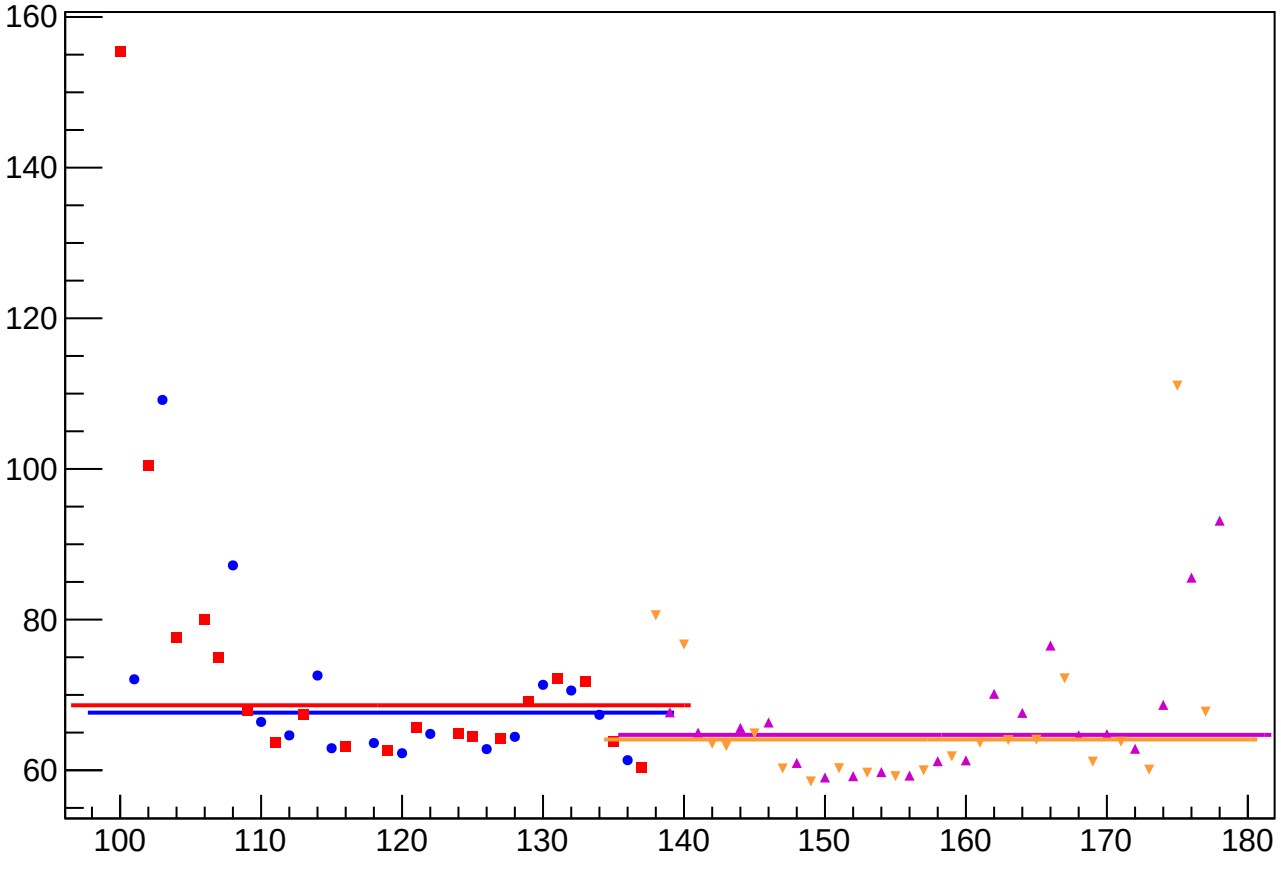
Left In: 184.164+/-16.289 χ^2/NDF:28.6/19

\+ sign -204.488+/-13.529 χ^2/NDF: 38.9/36

All: -20.136+/-9.635 χ^2/NDF: 484.2/75

\- sign 169.591+/-13.725 χ^2/NDF: 68.6/38

dit_asym_sam8_rms vs Slug



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 64.085+/-0.011 χ^2/NDF:482688.3/20

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

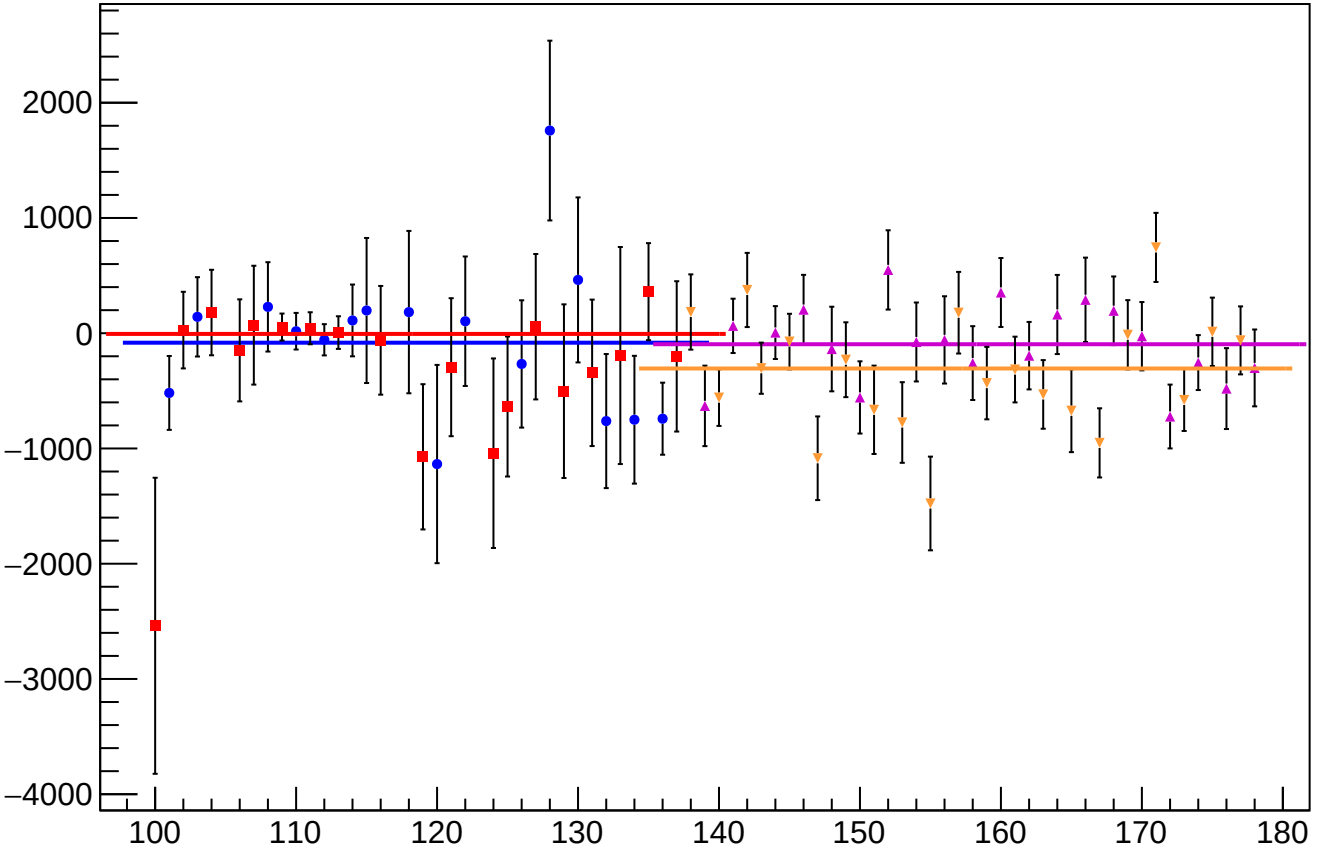
Left In: 64.695+/-0.012 χ^2/NDF:322757.5/19

+ sign 65.086+/-0.010 χ^2/NDF: 774377.8/36

All: 65.455+/-0.007 χ^2/NDF: 1382072.6/75

- sign 65.835+/-0.010 χ^2/NDF: 604675.3/38

asym_sam8_dit_correction_mean vs Slug



Right In: -82.228+/-78.676 χ^2/NDF: 19.2/15

Left Out: -306.007+/-65.856 χ^2/NDF:48.7/20

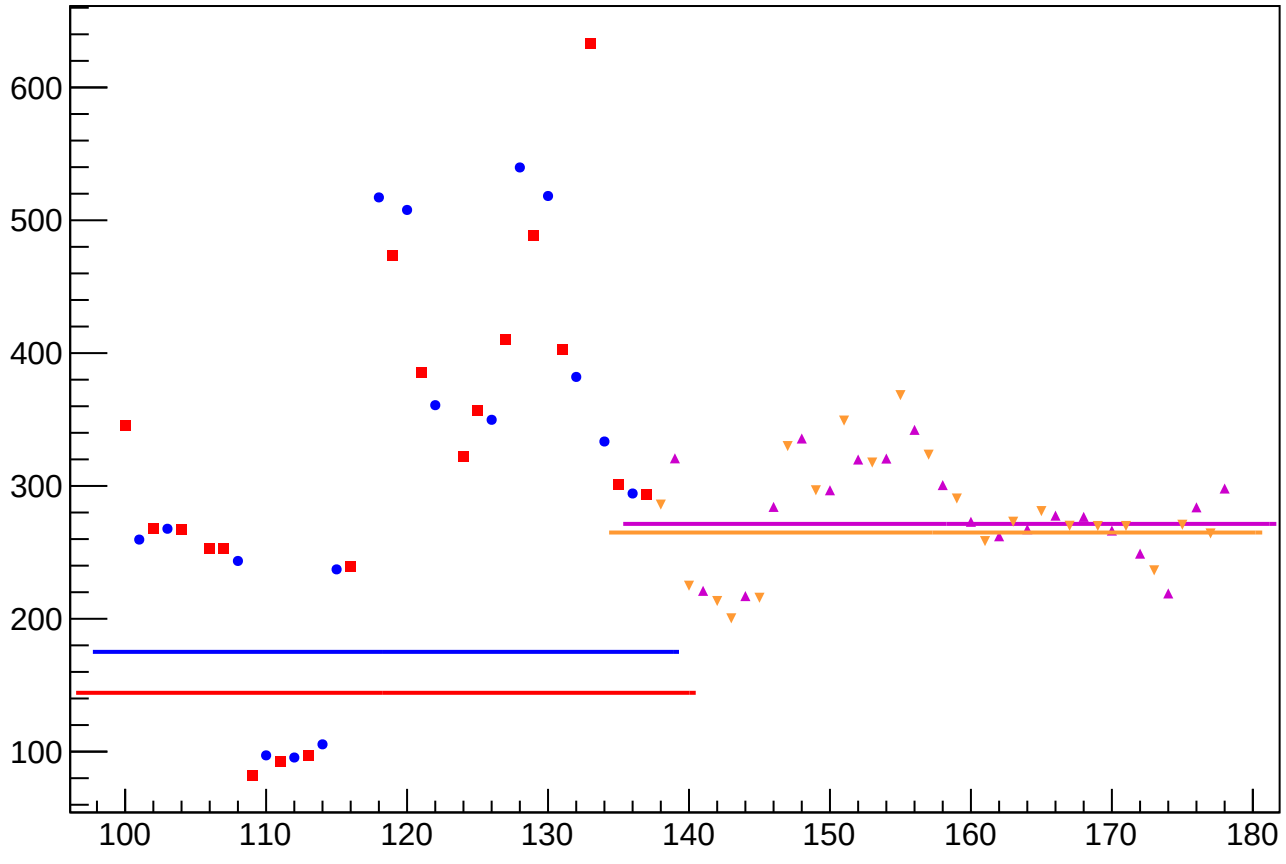
Right Out: -6.063+/-65.910 χ^2/NDF: 12.0/18

Left In: -95.569+/-67.935 χ^2/NDF:22.2/19

+ sign -213.811+/-50.499 χ^2/NDF: 72.7/36

All: -126.275+/-34.524 χ^2/NDF: 113.4/75

- sign -49.462+/-47.305 χ^2/NDF: 35.1/38



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 264.940+/-0.047 χ^2/NDF:819122.5/20

Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

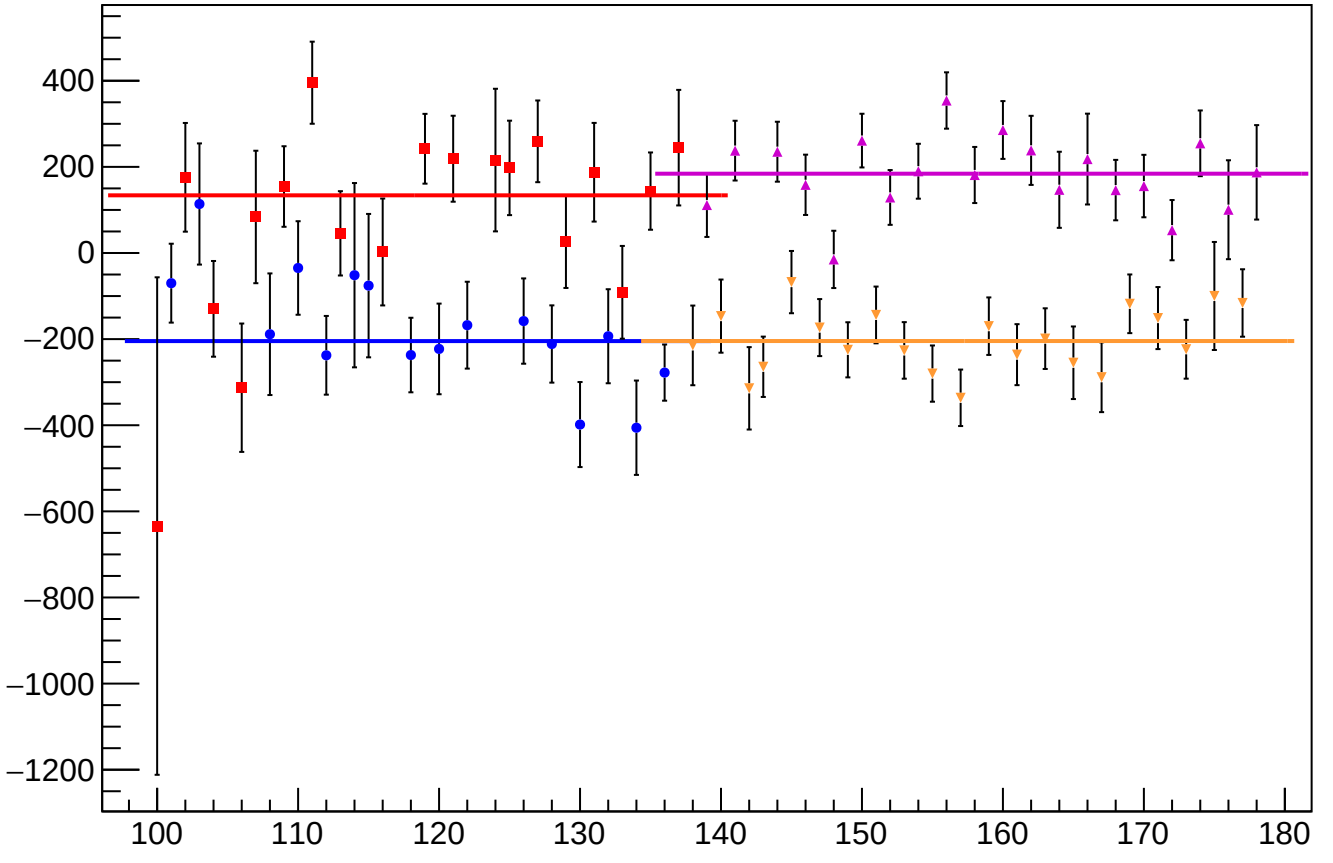
Left In: 271.438+/-0.048 χ^2/NDF:618092.2/19

+ sign 227.926+/-0.036 χ^2/NDF: 6781651.4/36

All: 216.213+/-0.024 χ^2/NDF: 16343888.2/75

- sign 205.934+/-0.033 χ^2/NDF: 9360206.2/38

eigen_dit_asym_sam8_mean vs Slug



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -204.452+/-15.955 χ^2/NDF:18.9/20

Right Out: 133.926+/-25.483 χ^2/NDF: 37.2/18

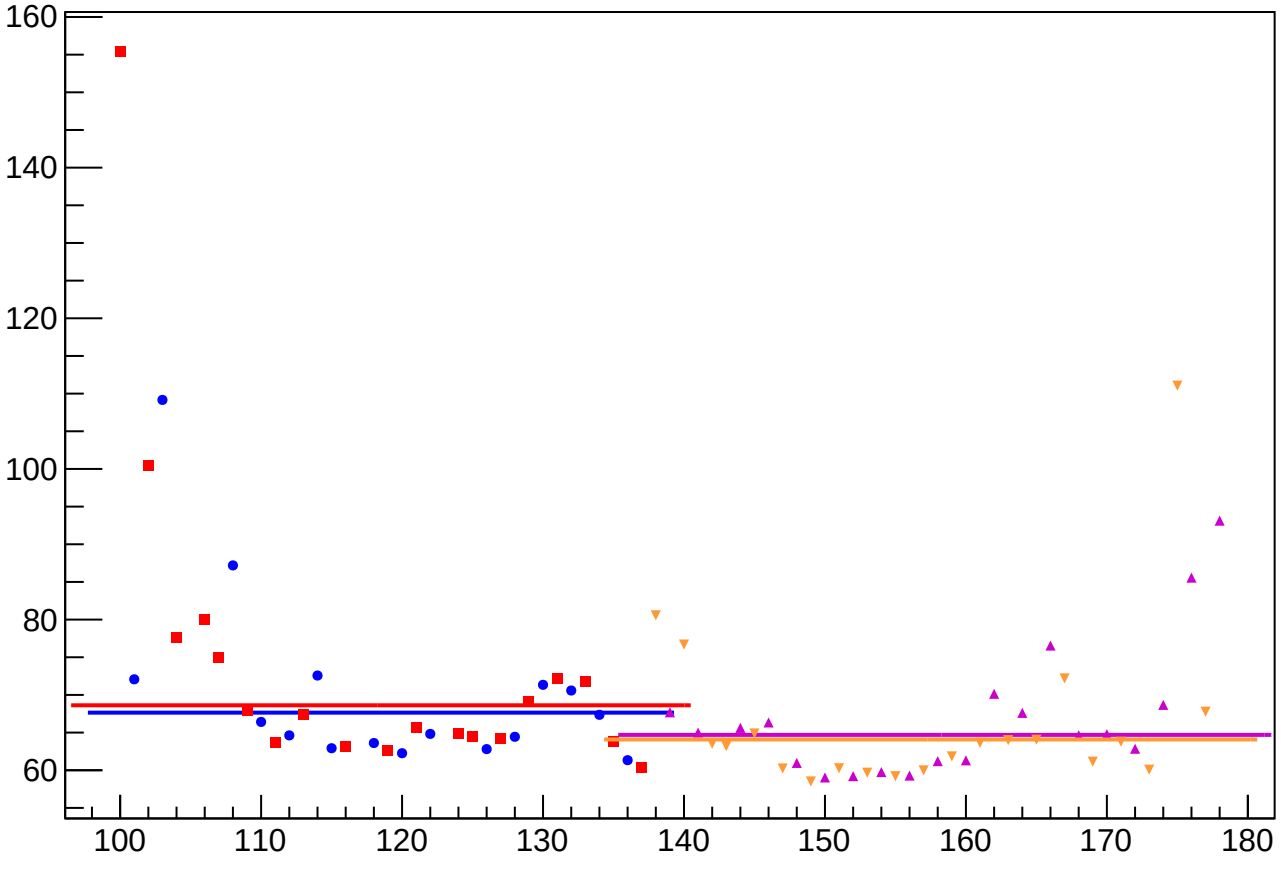
Left In: 184.166+/-16.289 χ^2/NDF:28.6/19

+ sign -204.487+/-13.529 χ^2/NDF: 38.9/36

All: -20.135+/-9.635 χ^2/NDF: 484.2/75

- sign 169.593+/-13.725 χ^2/NDF: 68.6/38

eigen_dit_asym_sam8_rms vs Slug



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 64.085+/-0.011 χ^2/NDF:482686.9/20

Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

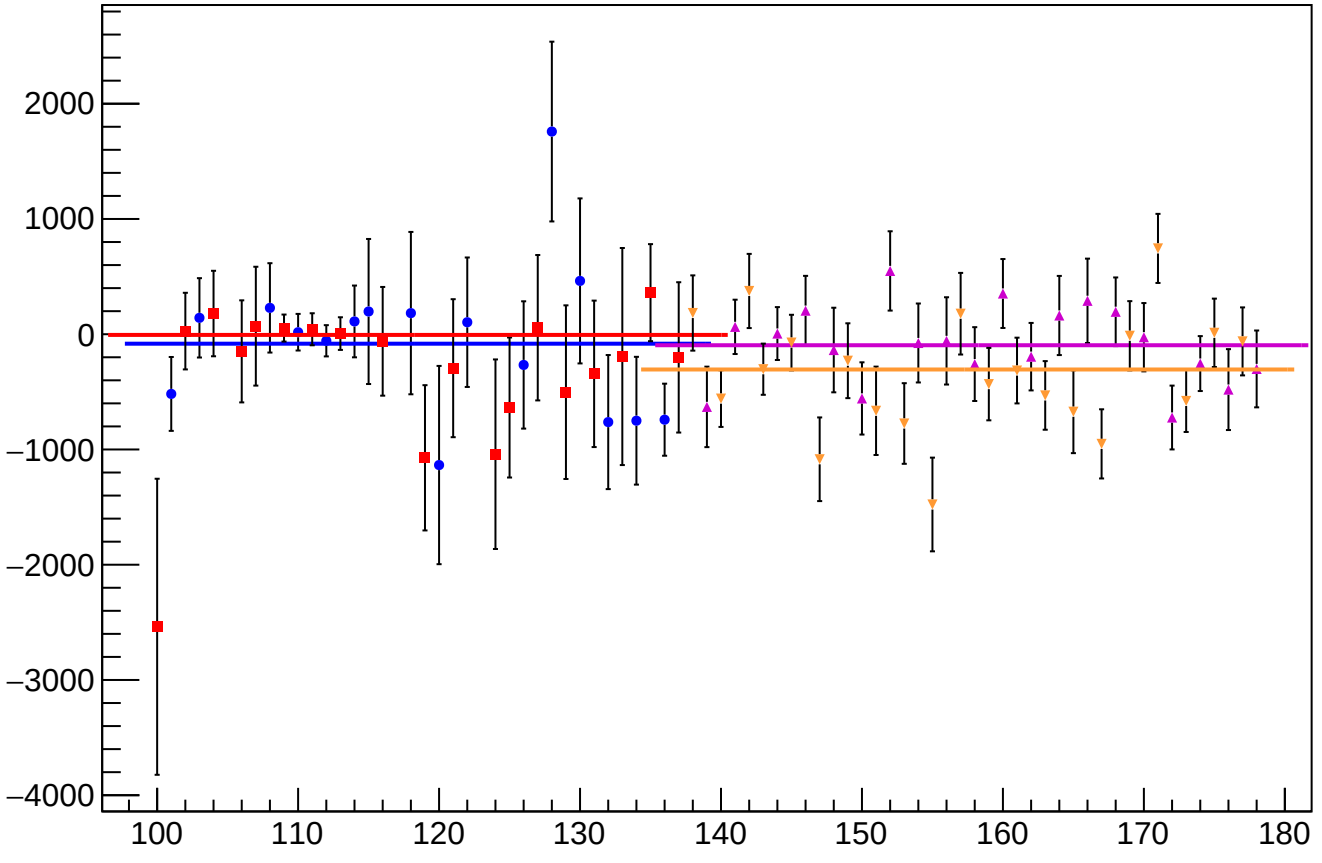
Left In: 64.695+/-0.012 χ^2/NDF:322754.7/19

+ sign 65.086+/-0.010 χ^2/NDF: 774372.5/36

All: 65.455+/-0.007 χ^2/NDF: 1382061.8/75

- sign 65.835+/-0.010 χ^2/NDF: 604669.8/38

asym_sam8_eigen_dit_correction_mean vs Slug



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -306.006+/-65.856 χ^2/NDF:48.7/20

Right Out: -6.062+/-65.910 χ^2/NDF: 12.0/18

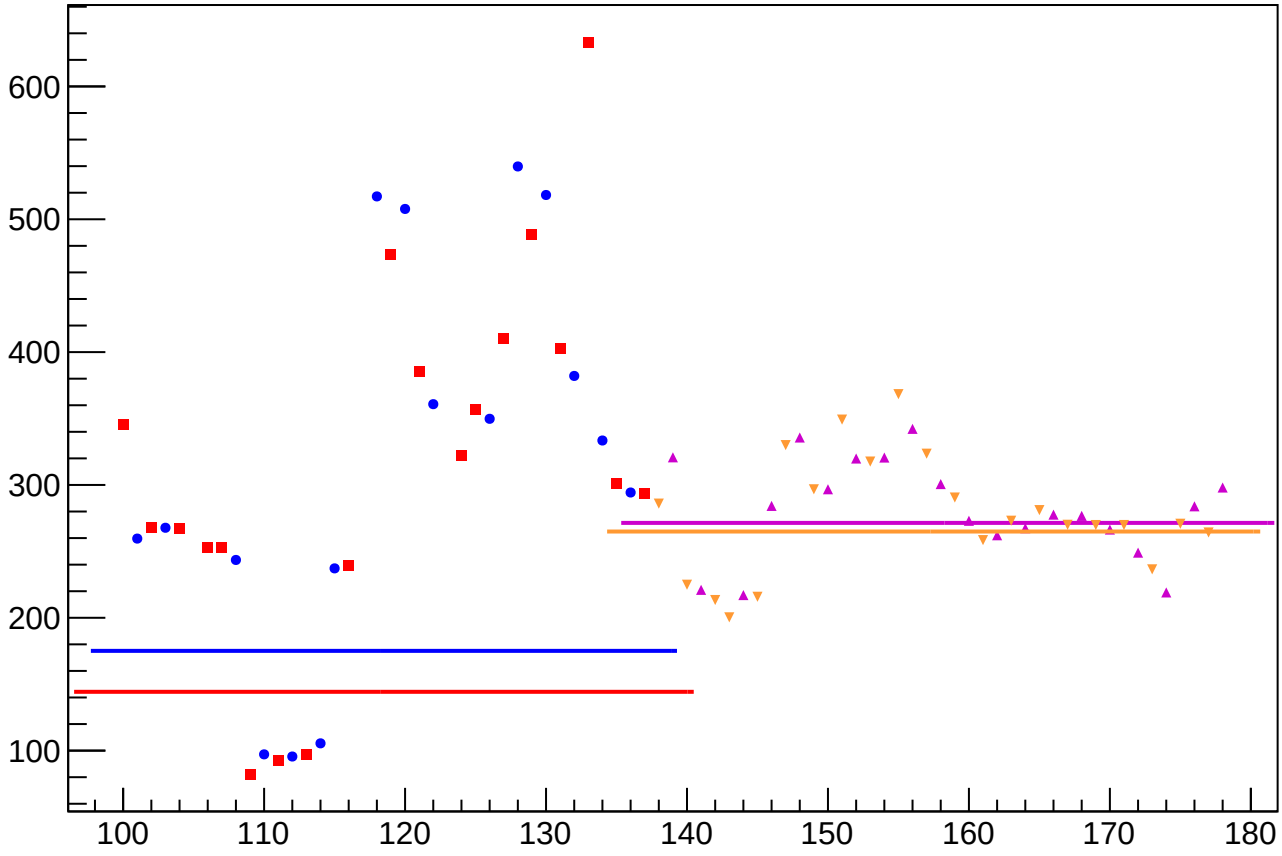
Left In: -95.568+/-67.935 χ^2/NDF:22.2/19

+ sign -213.810+/-50.499 χ^2/NDF: 72.7/36

All: -126.274+/-34.524 χ^2/NDF: 113.4/75

- sign -49.461+/-47.305 χ^2/NDF: 35.1/38

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 264.938+/-0.047 χ^2/NDF:819131.9/20

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

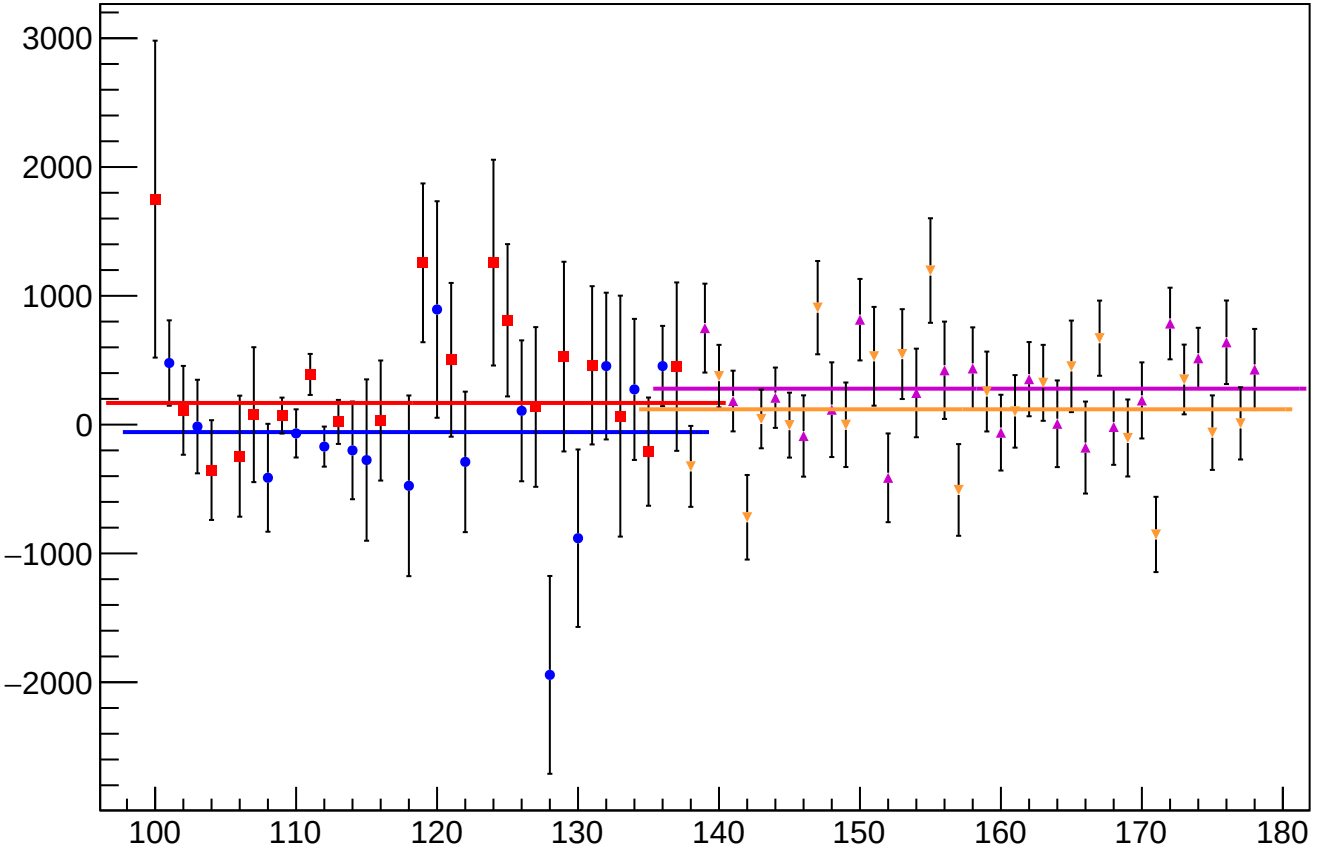
Left In: 271.437+/-0.048 χ^2/NDF:618097.3/19

+ sign 227.925+/-0.036 χ^2/NDF: 6781711.6/36

All: 216.212+/-0.024 χ^2/NDF: 16343906.4/75

- sign 205.933+/-0.033 χ^2/NDF: 9360175.4/38

asym_sam8_mean vs Slug



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: 118.970+/-65.560 χ^2/NDF:45.7/20

Right Out: 168.322+/-74.598 χ^2/NDF: 15.5/18

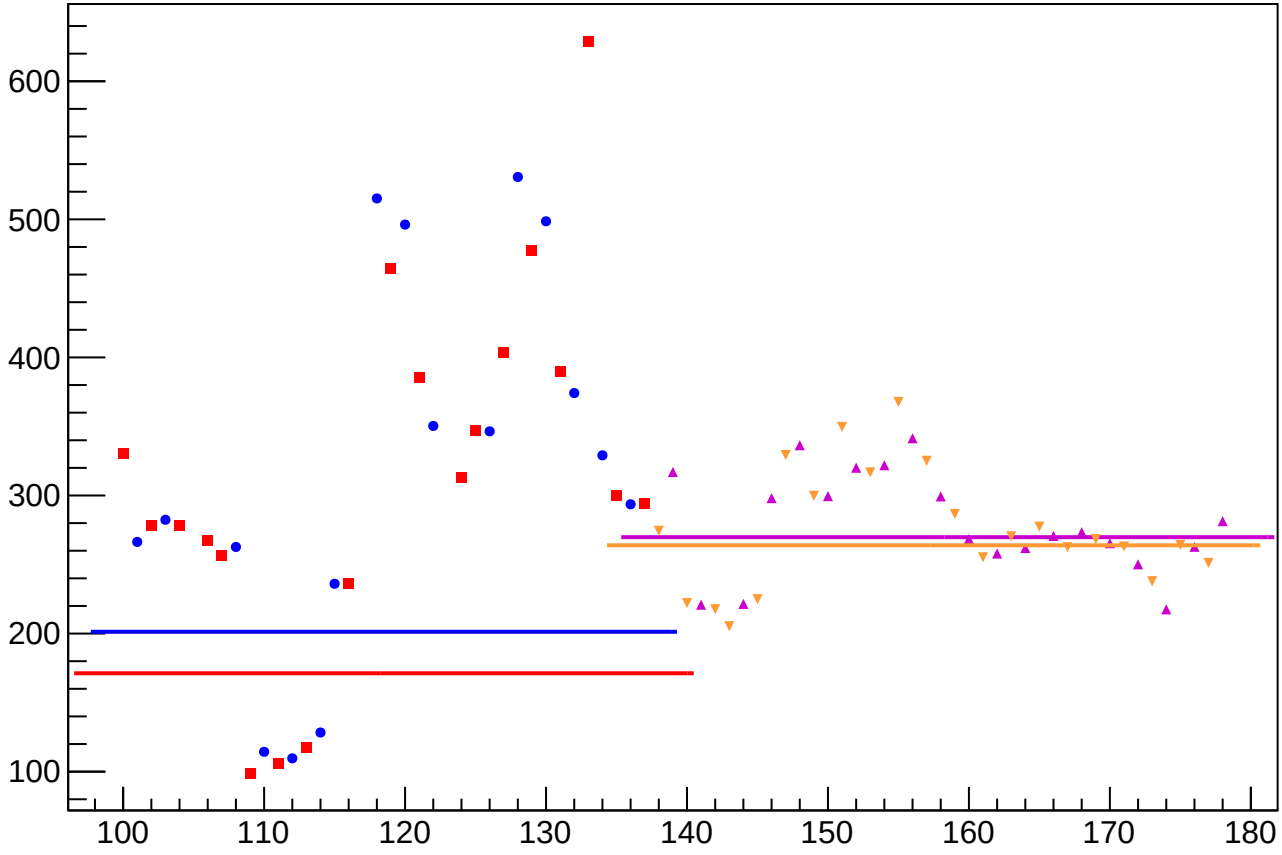
Left In: 279.105+/-67.508 χ^2/NDF:21.5/19

+ sign 54.781+/-52.334 χ^2/NDF: 65.7/36

All: 145.886+/-36.173 χ^2/NDF: 109.8/75

- sign 229.226+/-50.055 χ^2/NDF: 38.2/38

asym_sam8_rms vs Slug



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 263.931+/-0.046 χ^2/NDF:746367.4/20

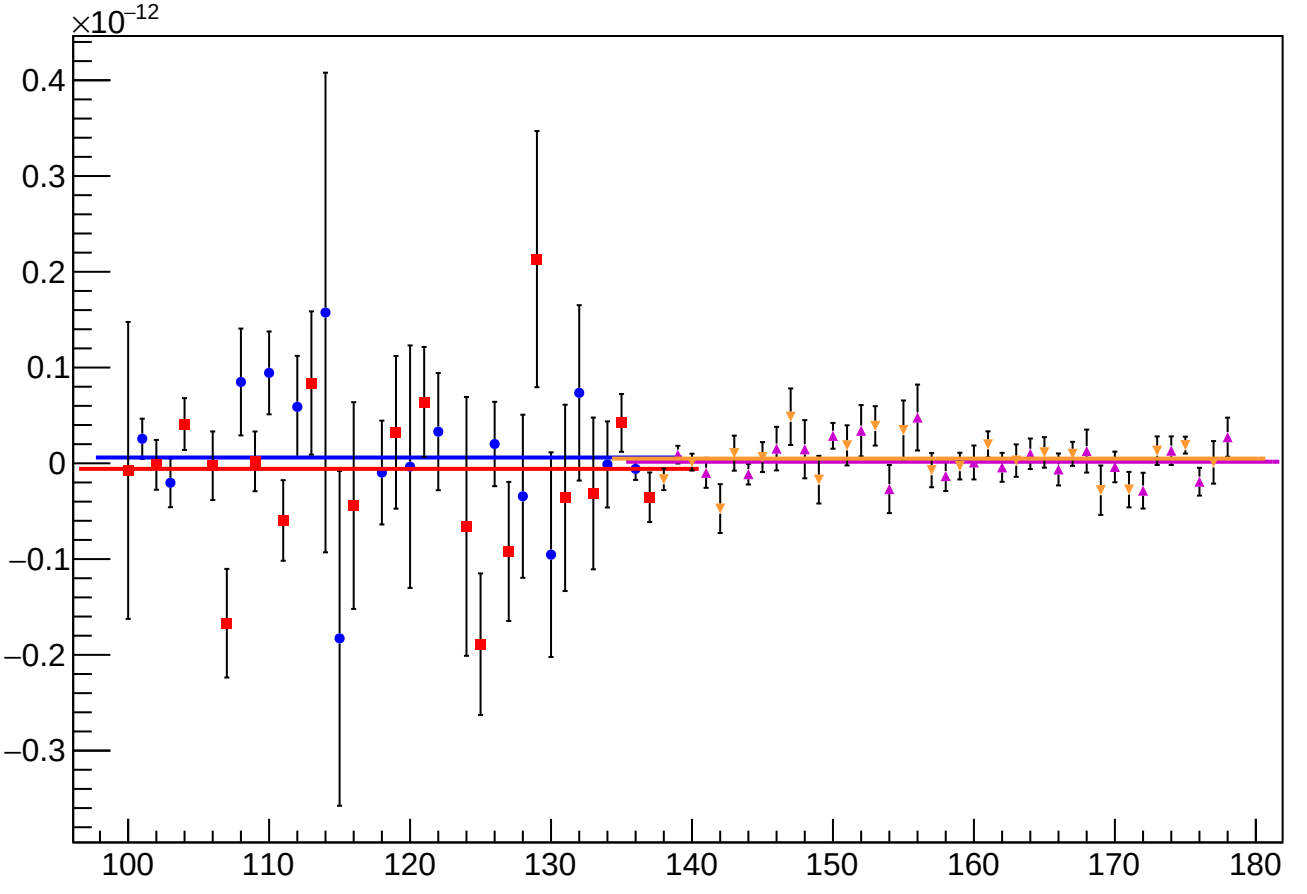
Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

Left In: 269.816+/-0.048 χ^2/NDF:602022.6/19

+ sign 241.211+/-0.037 χ^2/NDF: 4980686.7/36

All: 232.974+/-0.026 χ^2/NDF: 11789644.3/75

- sign 225.439+/-0.035 χ^2/NDF: 6714092.0/38



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

Left Out: 0.000+/-0.000 χ^2/NDF:25.1/20

Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/18

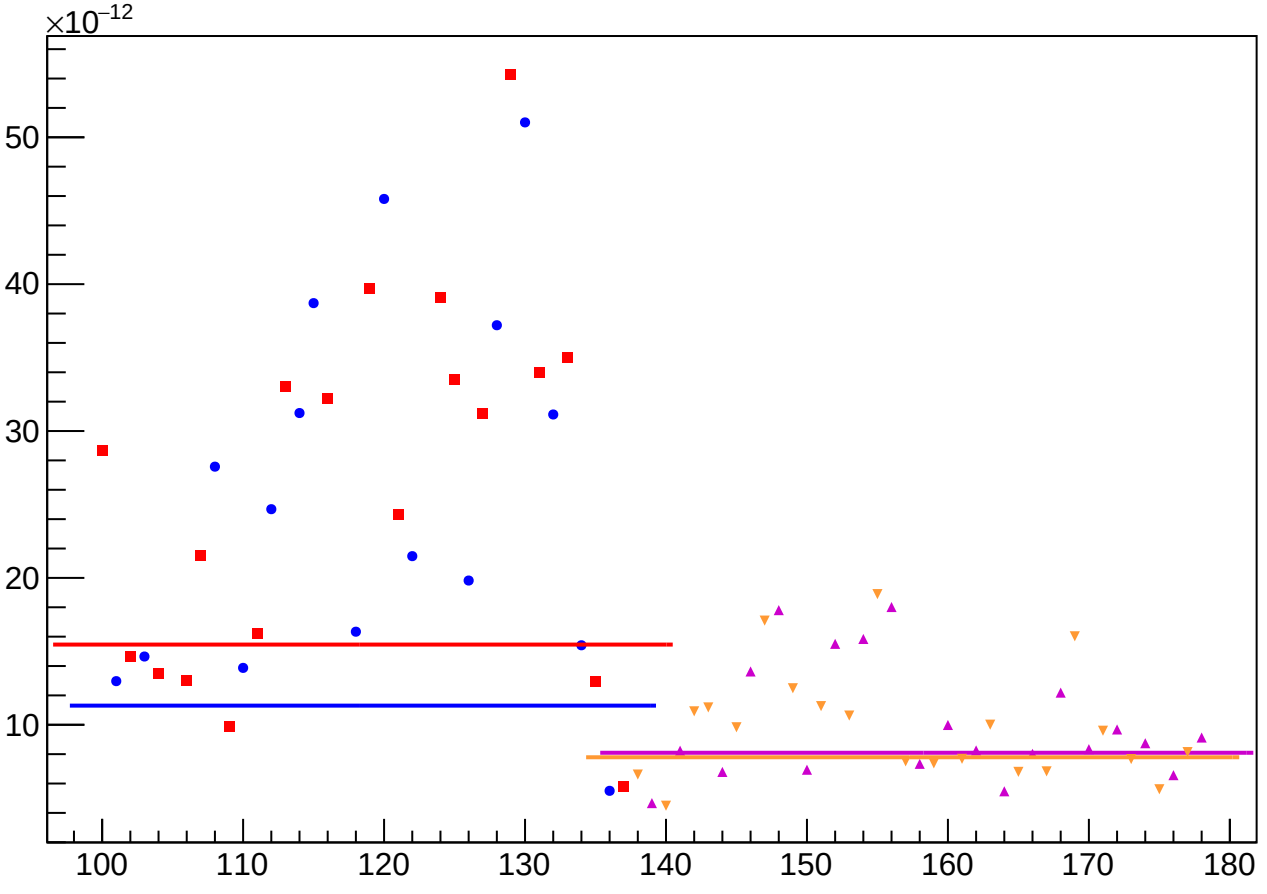
Left In: 0.000+/-0.000 χ^2/NDF:20.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 38.9/36

All: 0.000+/-0.000 χ^2/NDF: 91.3/75

- sign 0.000+/-0.000 χ^2/NDF: 51.5/38

asym_sam8_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1788731.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1458853.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1442096.6/18

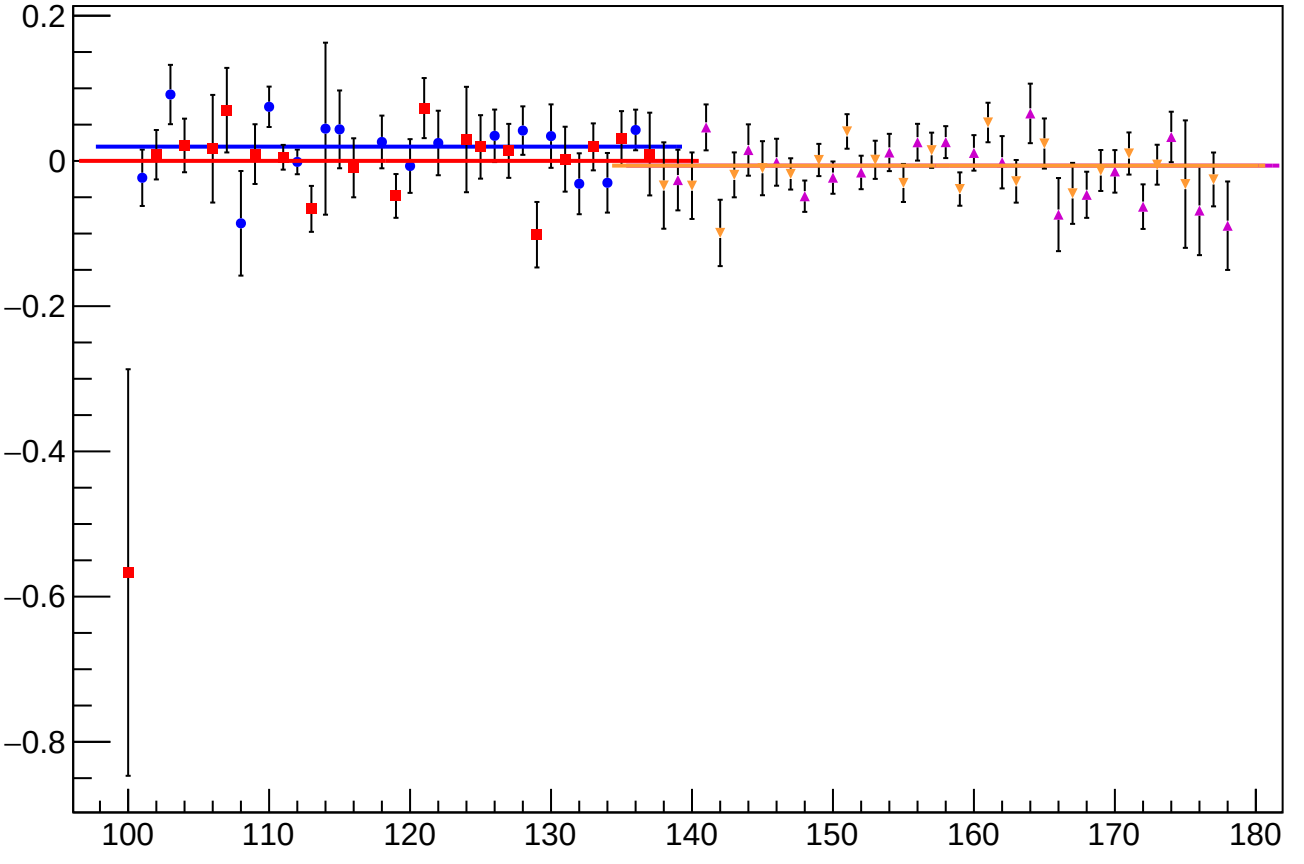
Left In: 0.000+/-0.000 χ^2/NDF:1346393.9/19

+ sign 0.000+/-0.000 χ^2/NDF: 3558910.7/36

All: 0.000+/-0.000 χ^2/NDF: 7312973.6/75

- sign 0.000+/-0.000 χ^2/NDF: 3716054.9/38

asym_sam8_dit_vs_cor_diff_mean vs Slug



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.006 χ^2/NDF:20.5/20

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

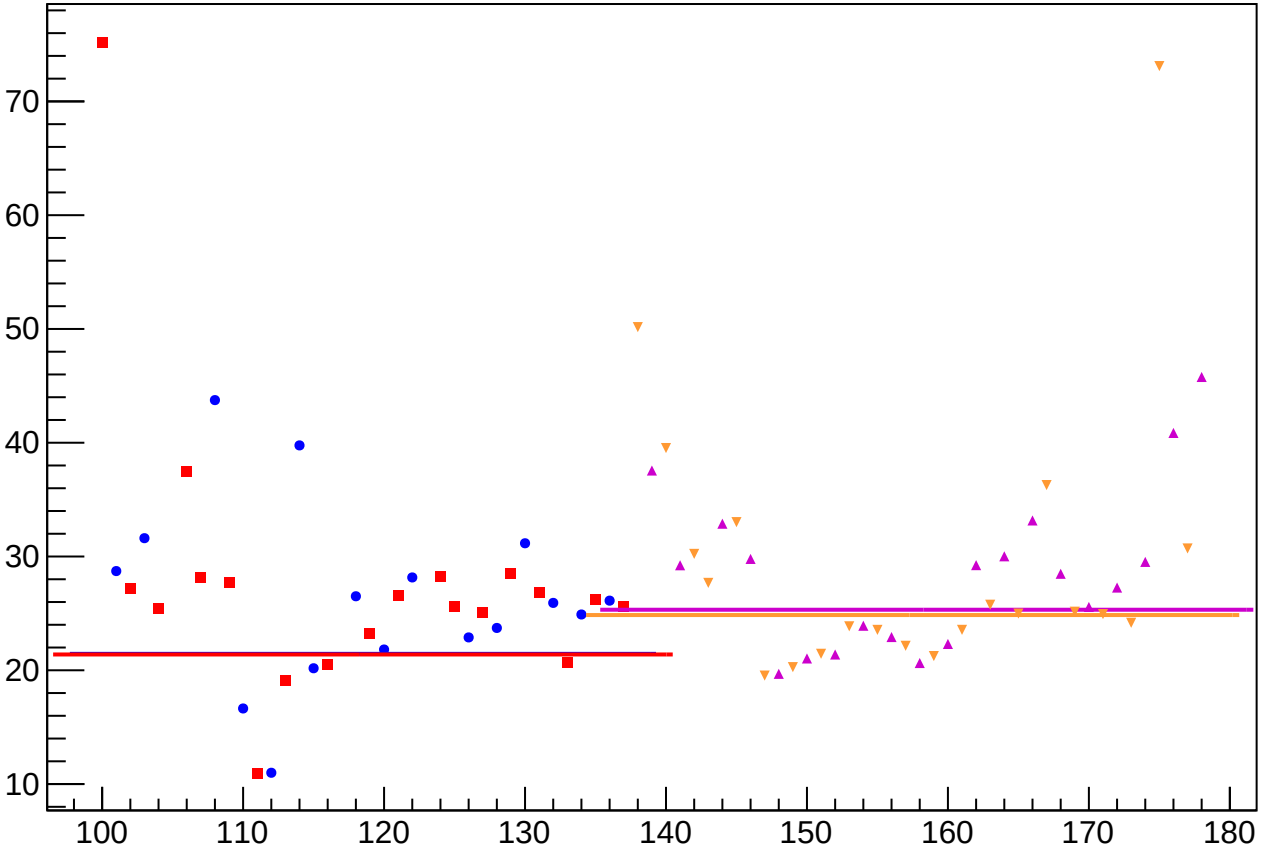
Left In: -0.006+/-0.007 χ^2/NDF:26.8/19

+ sign 0.003+/-0.005 χ^2/NDF: 43.4/36

All: -0.001+/-0.004 χ^2/NDF: 94.2/75

- sign -0.004+/-0.005 χ^2/NDF: 50.0/38

asym_sam8_dit_vs_cor_diff_rms vs Slug



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 24.854+/-0.005 χ^2/NDF:1848137.3/20

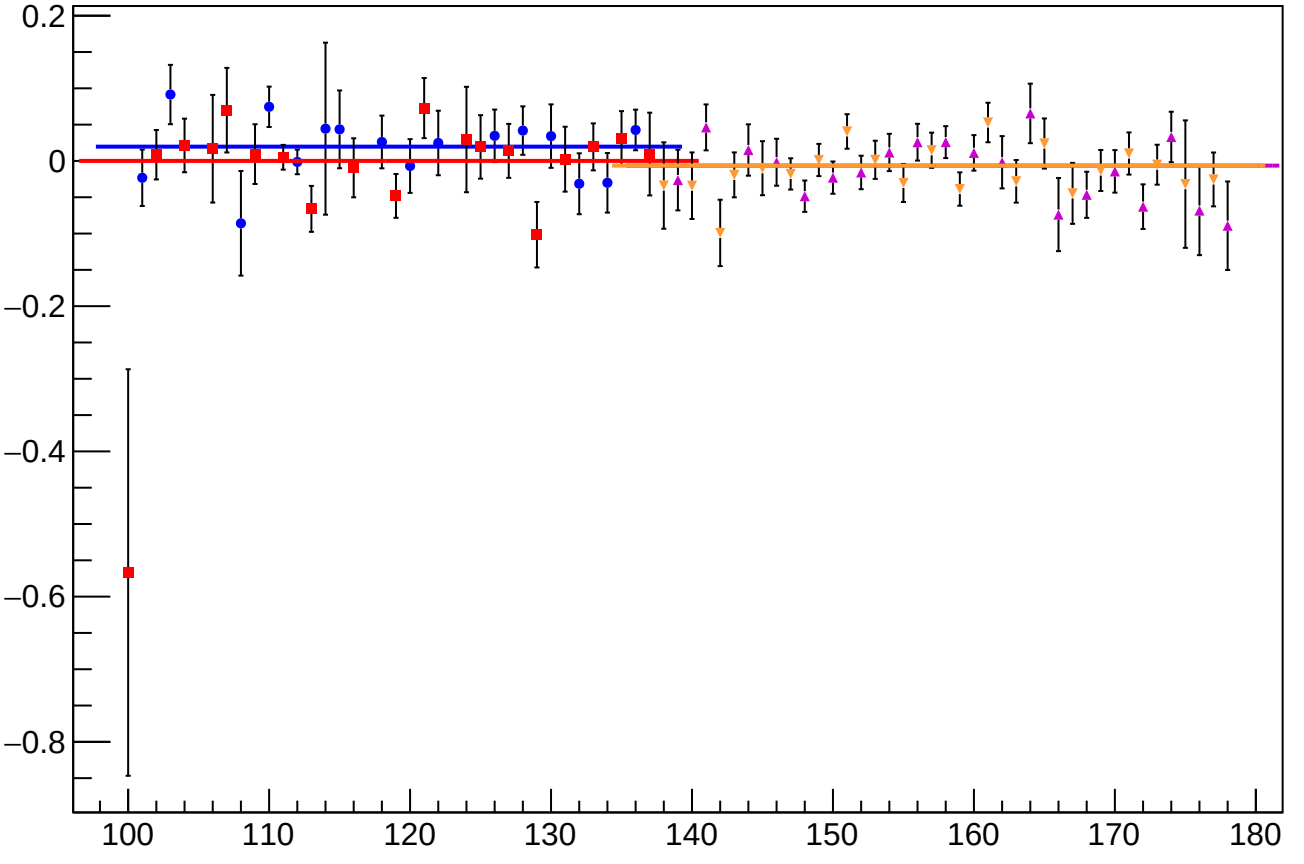
Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 25.322+/-0.005 χ^2/NDF:1254921.9/19

\+ sign 23.641+/-0.004 χ^2/NDF: 3587561.4/36

All: 23.733+/-0.003 χ^2/NDF: 6420645.6/75

\- sign 23.827+/-0.004 χ^2/NDF: 2831807.8/38



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.006 χ^2/NDF:20.5/20

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

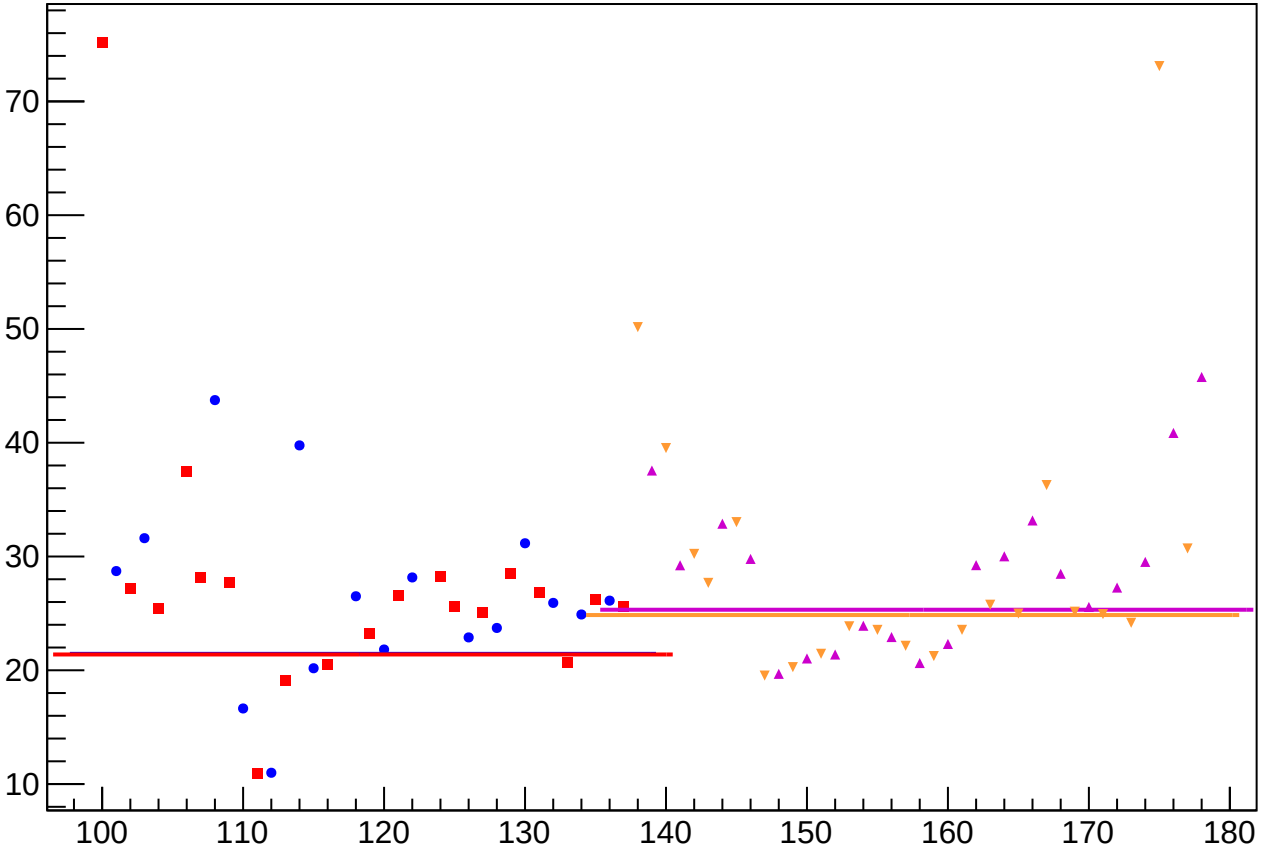
Left In: -0.006+/-0.007 χ^2/NDF:26.8/19

+ sign 0.003+/-0.005 χ^2/NDF: 43.4/36

All: -0.001+/-0.004 χ^2/NDF: 94.2/75

- sign -0.004+/-0.005 χ^2/NDF: 50.0/38

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 24.854+/-0.005 χ^2/NDF:1848137.3/20

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

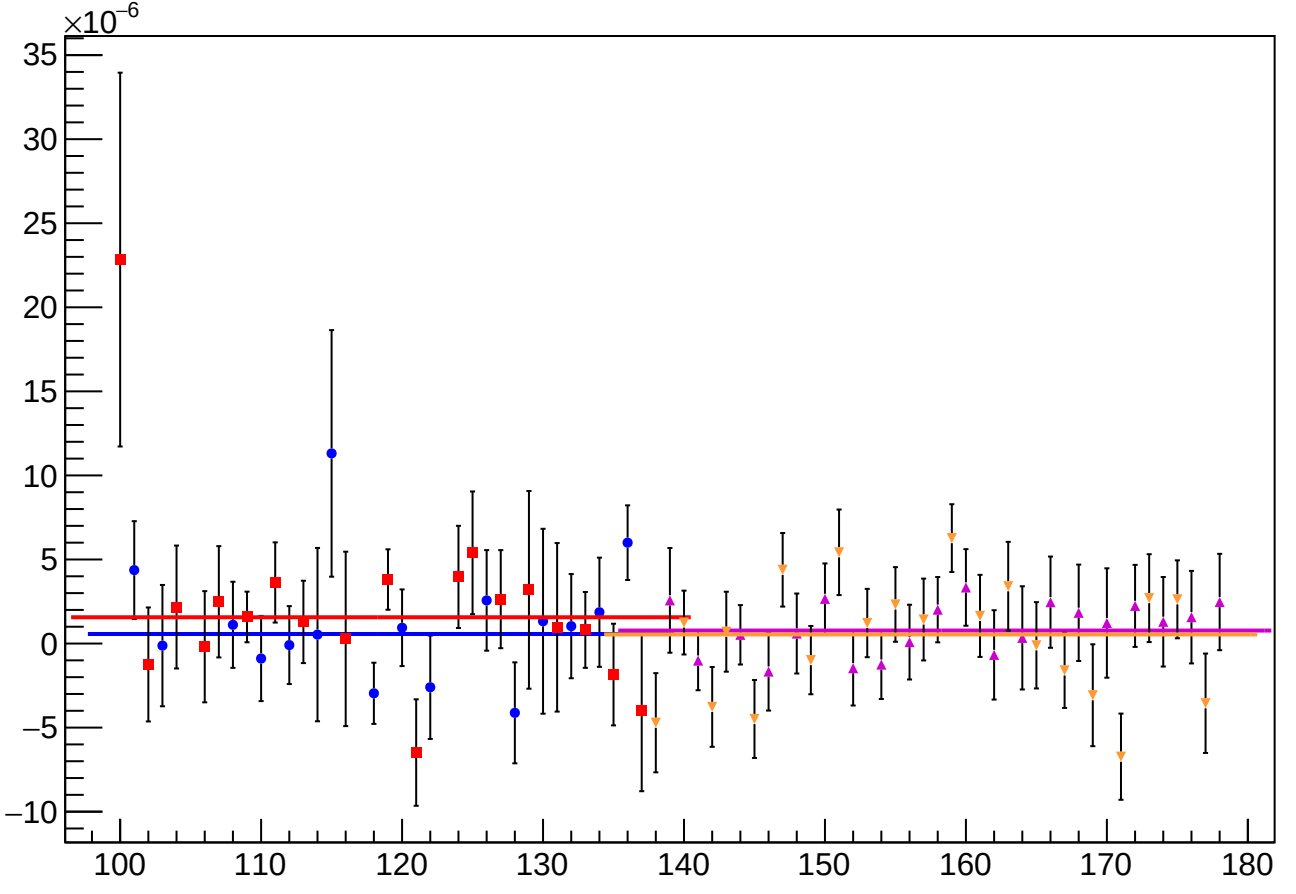
Left In: 25.322+/-0.005 χ^2/NDF:1254921.9/19

\+ sign 23.641+/-0.004 χ^2/NDF: 3587561.4/36

All: 23.733+/-0.003 χ^2/NDF: 6420645.6/75

\- sign 23.827+/-0.004 χ^2/NDF: 2831807.8/38

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:42.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/18

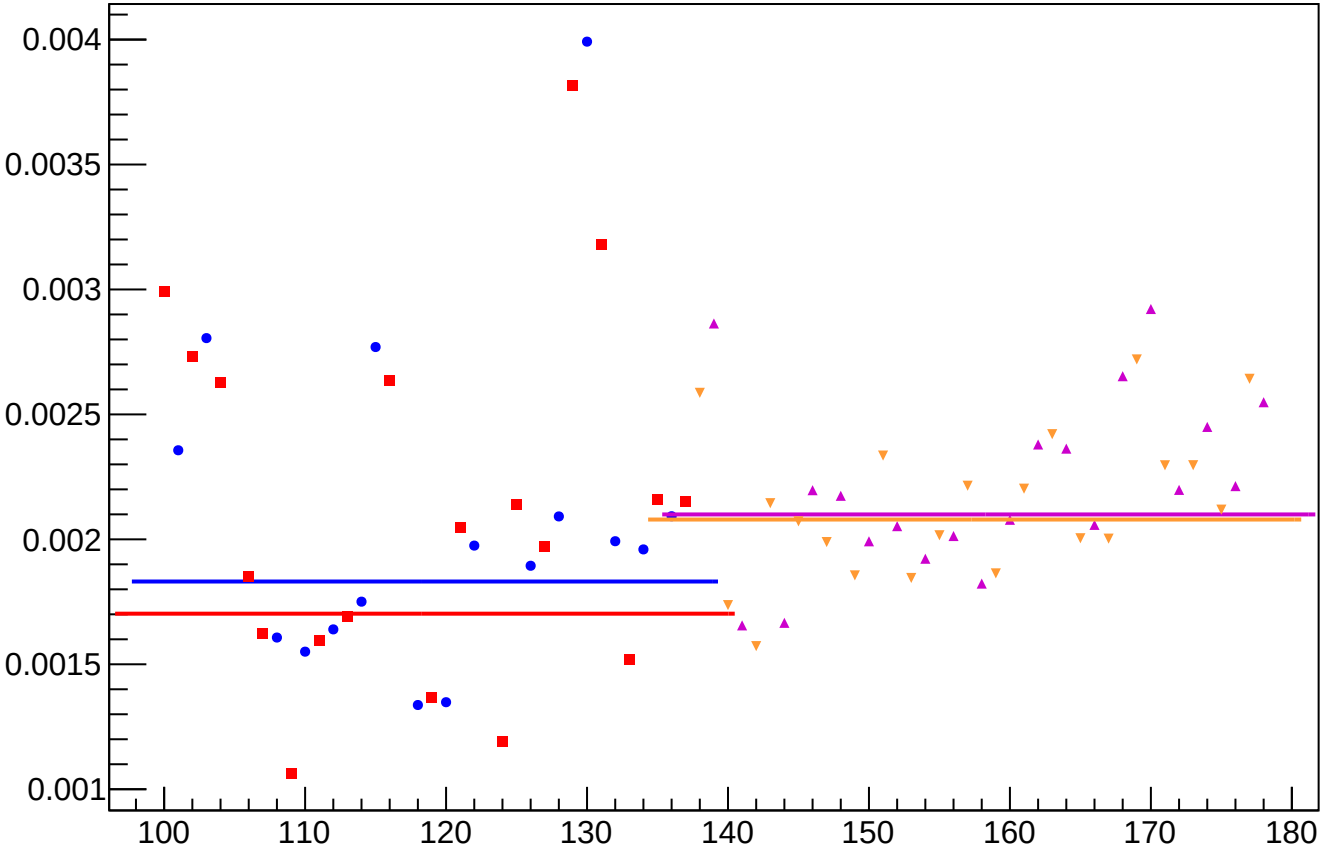
Left In: 0.000+/-0.000 χ^2/NDF:8.7/19

+ sign 0.000+/-0.000 χ^2/NDF: 61.2/36

All: 0.000+/-0.000 χ^2/NDF: 89.9/75

- sign 0.000+/-0.000 χ^2/NDF: 27.9/38

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:555221.4/20

Right Out: 0.002+/-0.000 χ^2/NDF: 1478057.9/18

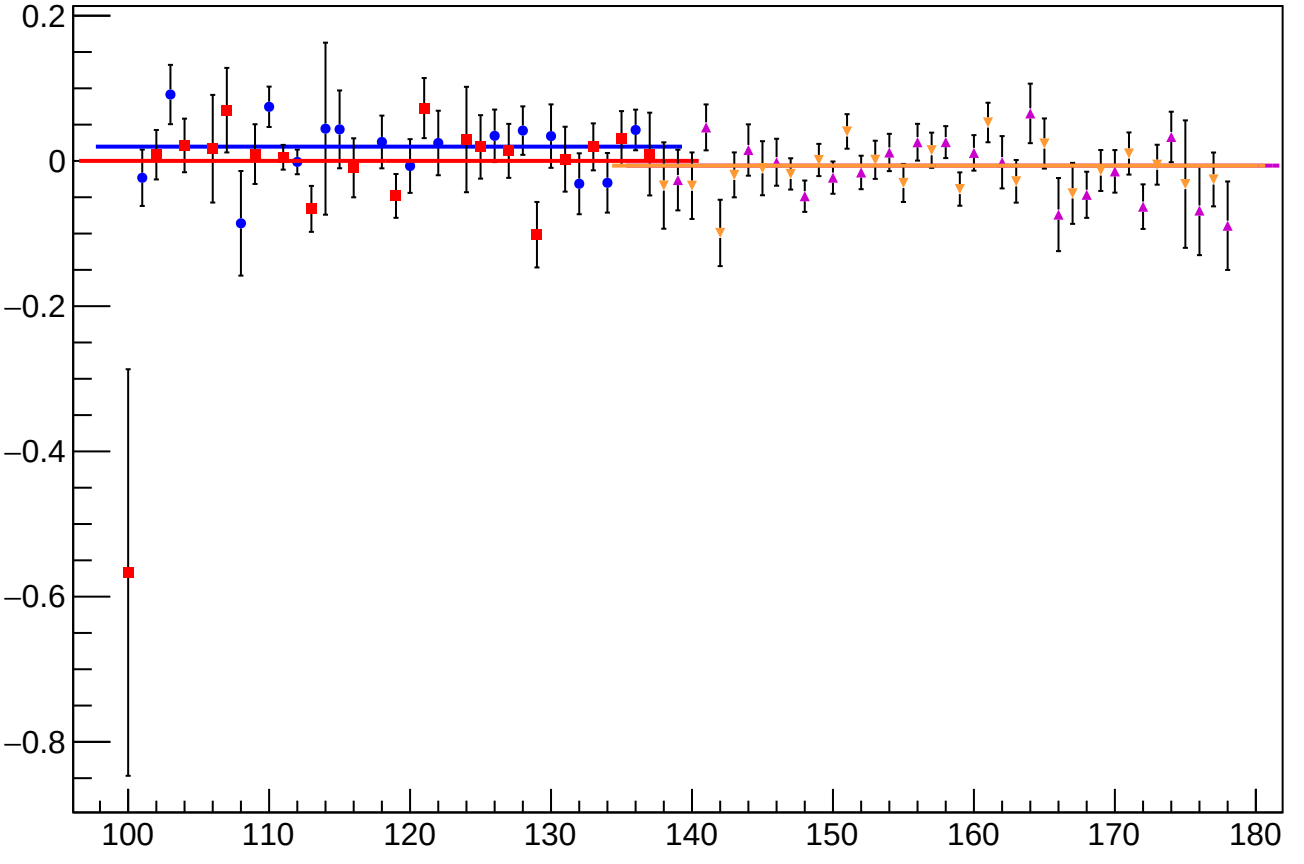
Left In: 0.002+/-0.000 χ^2/NDF:767809.2/19

+ sign 0.002+/-0.000 χ^2/NDF: 1616561.3/36

All: 0.002+/-0.000 χ^2/NDF: 4318975.7/75

- sign 0.002+/-0.000 χ^2/NDF: 2688667.4/38

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.006 χ^2/NDF:20.5/20

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

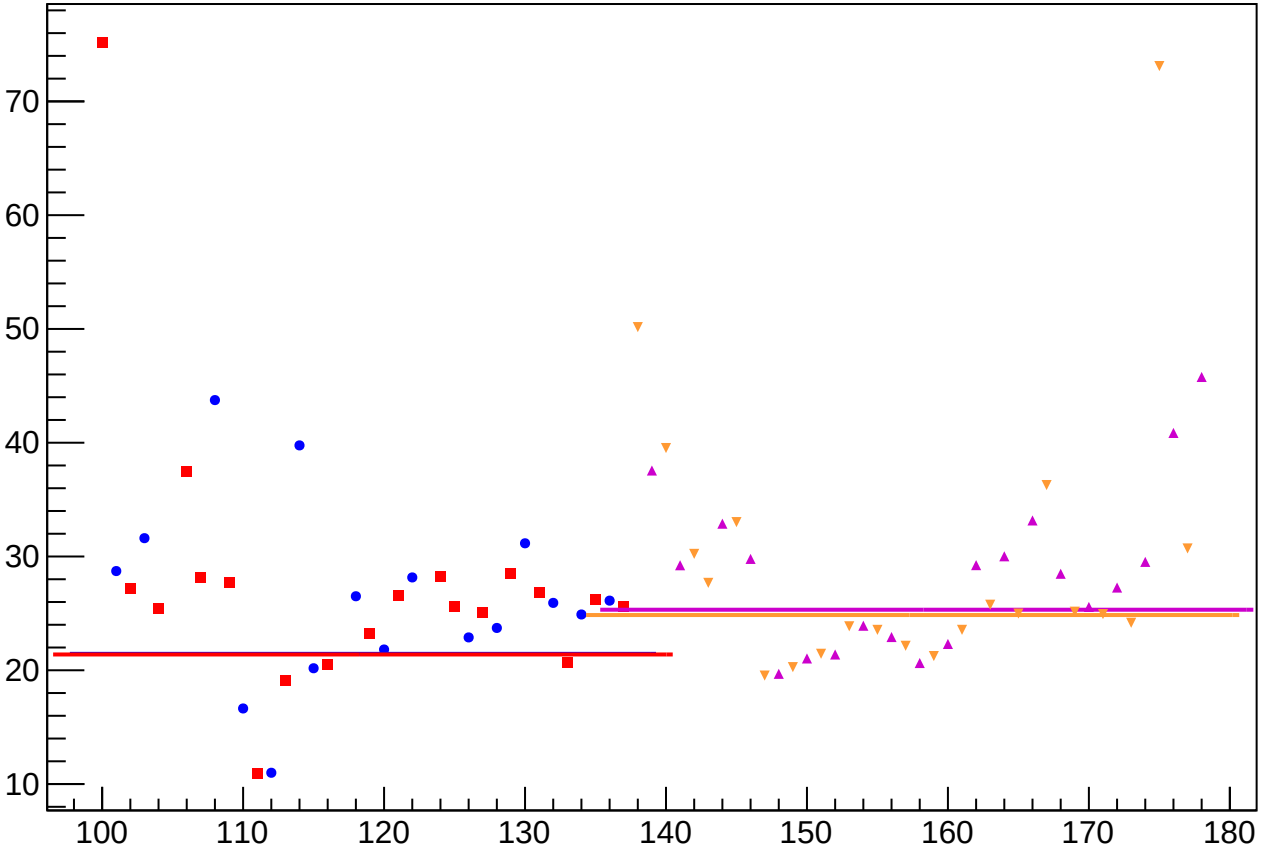
Left In: -0.006+/-0.007 χ^2/NDF:26.8/19

+ sign 0.003+/-0.005 χ^2/NDF: 43.4/36

All: -0.001+/-0.004 χ^2/NDF: 94.2/75

- sign -0.004+/-0.005 χ^2/NDF: 50.0/38

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.855+/-0.005 χ^2/NDF:1848129.2/20

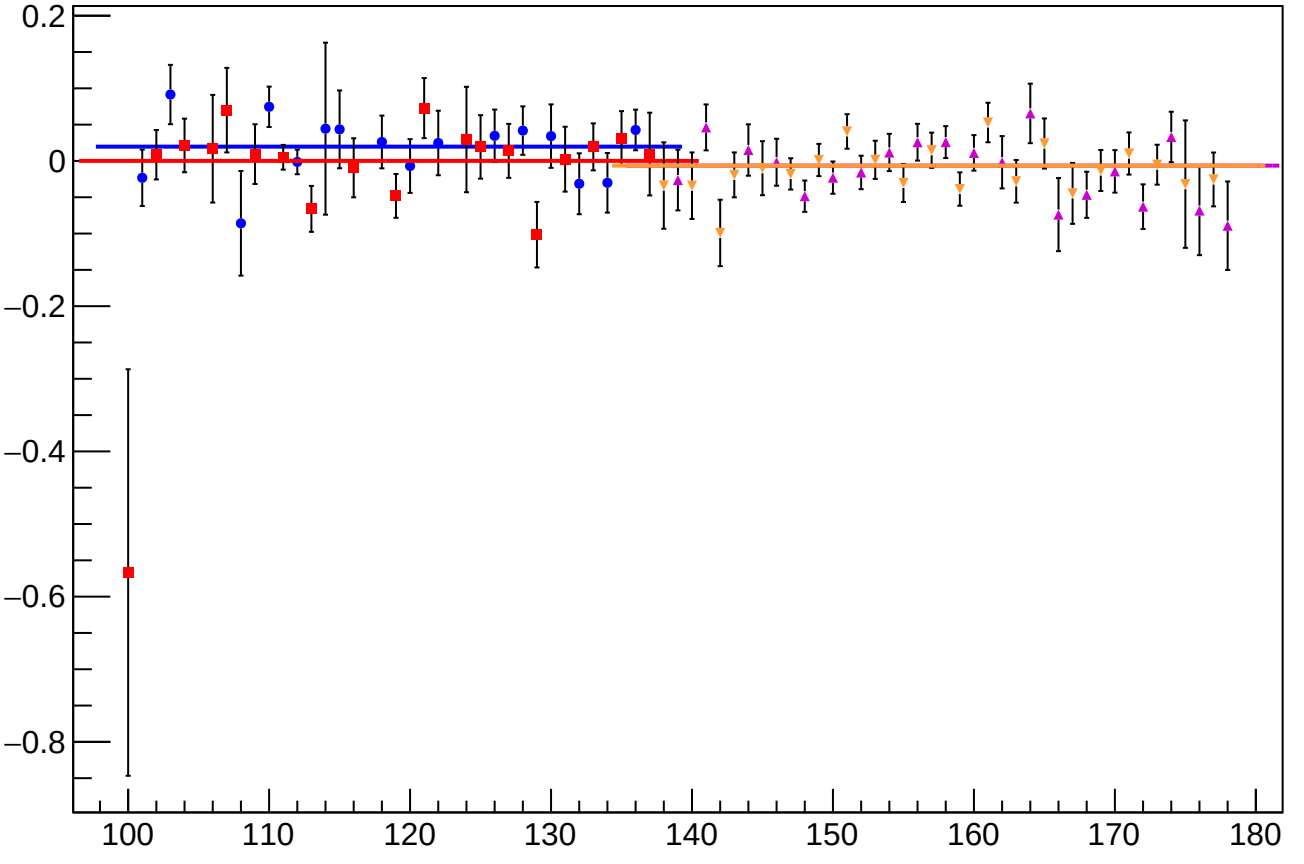
Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 25.322+/-0.005 χ^2/NDF:1254911.2/19

+ sign 23.641+/-0.004 χ^2/NDF: 3587794.9/36

All: 23.733+/-0.003 χ^2/NDF: 6421103.0/75

- sign 23.827+/-0.004 χ^2/NDF: 2832031.6/38



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.006 χ^2/NDF:20.5/20

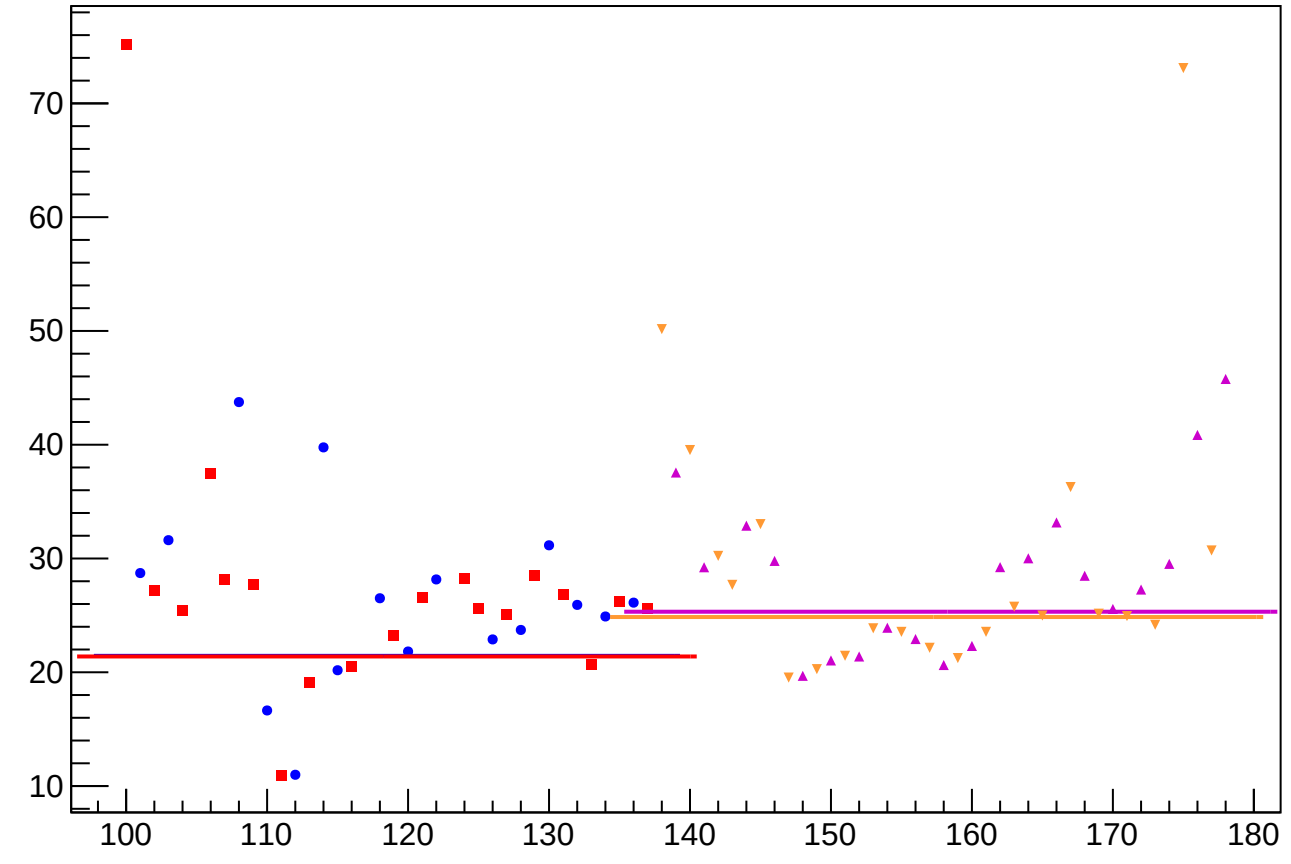
Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.006+/-0.007 χ^2/NDF:26.8/19

+ sign 0.003+/-0.005 χ^2/NDF: 43.4/36

All: -0.001+/-0.004 χ^2/NDF: 94.2/75

- sign -0.004+/-0.005 χ^2/NDF: 50.0/38



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.855+/-0.005 χ^2/NDF:1848129.2/20

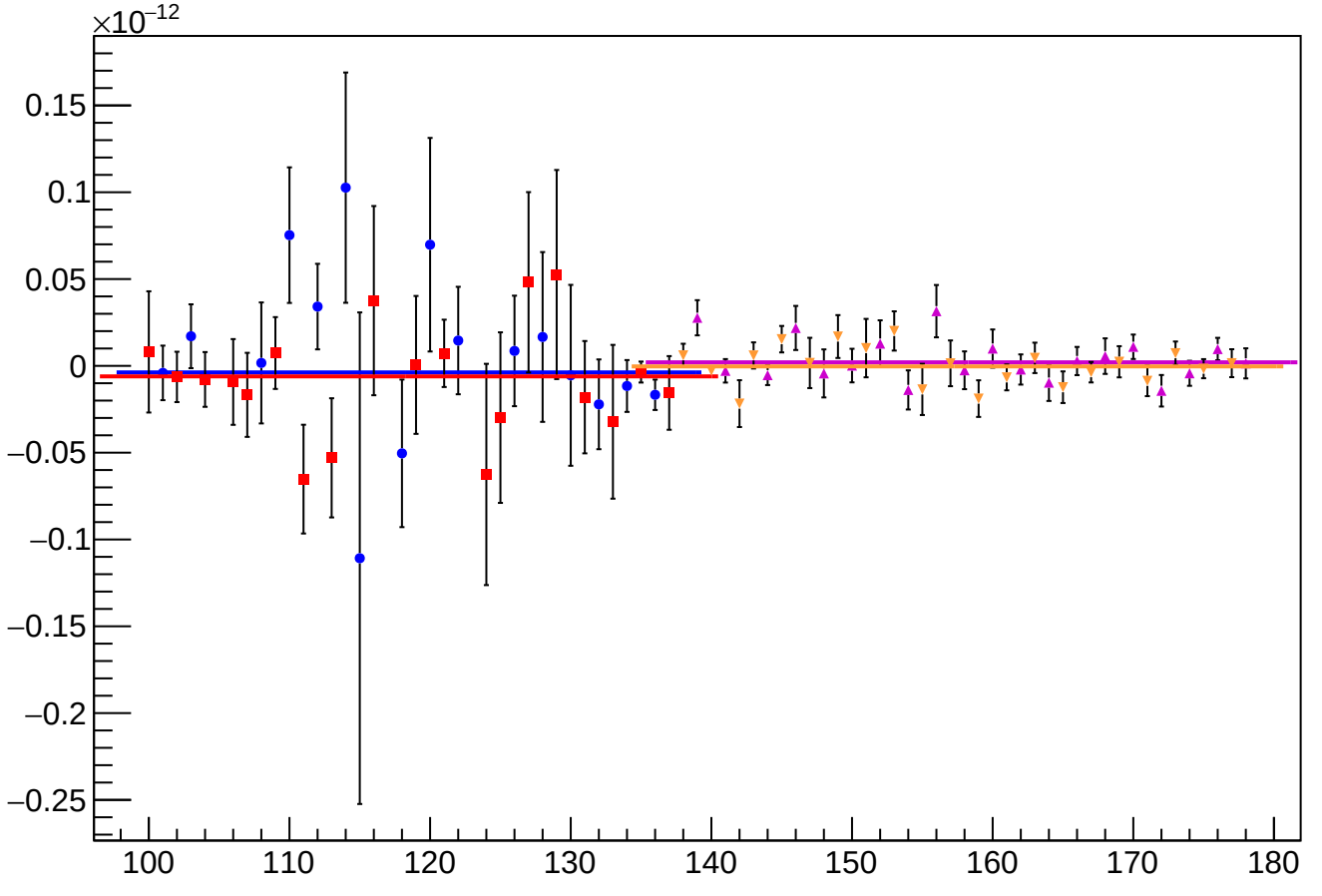
Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 25.322+/-0.005 χ^2/NDF:1254911.2/19

+ sign 23.641+/-0.004 χ^2/NDF: 3587794.9/36

All: 23.733+/-0.003 χ^2/NDF: 6421103.0/75

- sign 23.827+/-0.004 χ^2/NDF: 2832031.6/38



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.1/20

Right Out: -0.000+/-0.000 χ^2/NDF: 11.3/18

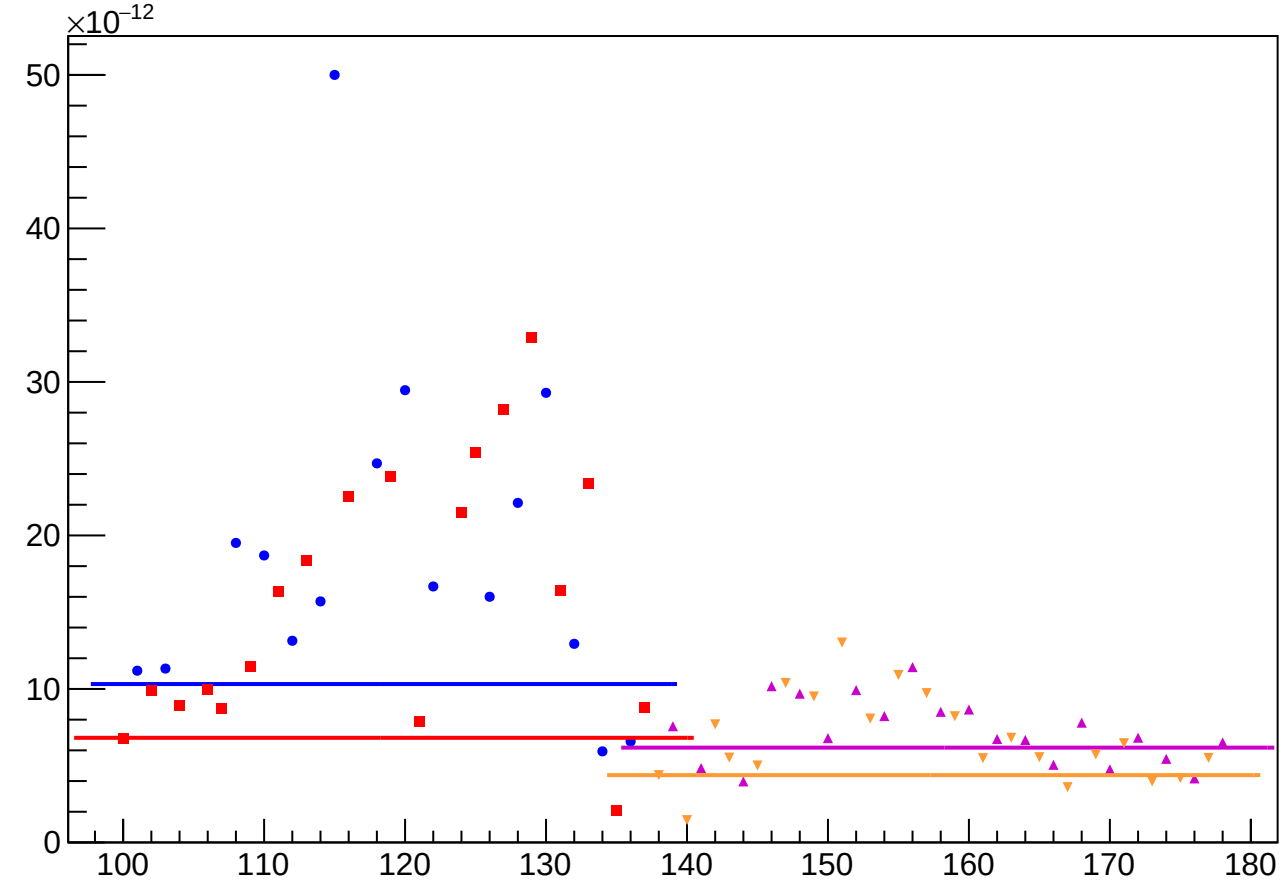
Left In: 0.000+/-0.000 χ^2/NDF:27.1/19

+ sign -0.000+/-0.000 χ^2/NDF: 41.6/36

All: -0.000+/-0.000 χ^2/NDF: 83.1/75

- sign 0.000+/-0.000 χ^2/NDF: 41.2/38

asym_sam8_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1951308.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:5137156.7/20

Right Out: 0.000+/-0.000 χ^2/NDF: 4021812.9/18

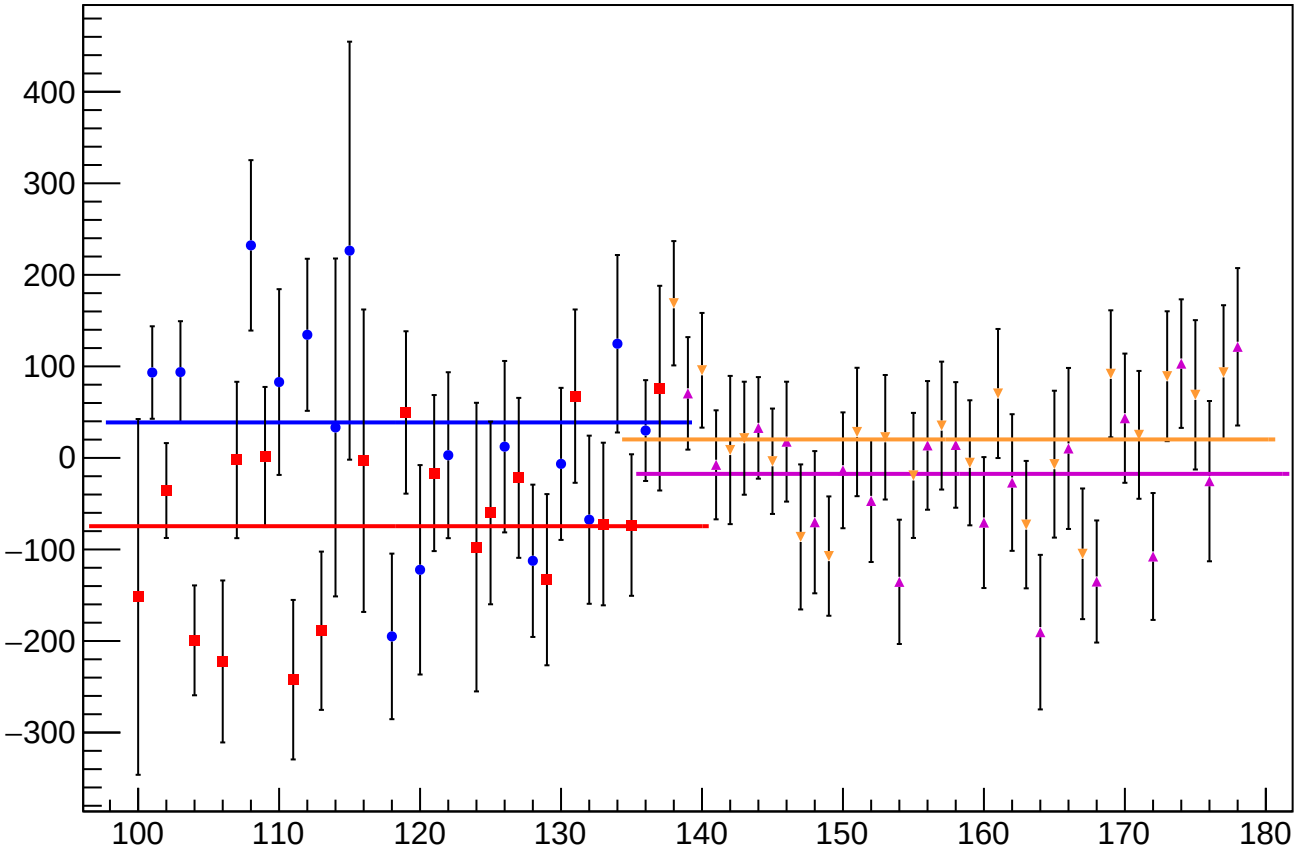
Left In: 0.000+/-0.000 χ^2/NDF:1814308.8/19

+ sign 0.000+/-0.000 χ^2/NDF: 9237474.5/36

All: 0.000+/-0.000 χ^2/NDF: 15851439.8/75

- sign 0.000+/-0.000 χ^2/NDF: 5872220.4/38

reg_asym_sam_15_avg_mean vs Slug



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 20.202+/-15.175 χ^2/NDF:21.5/20

Right Out: -74.578+/-19.802 χ^2/NDF: 22.5/18

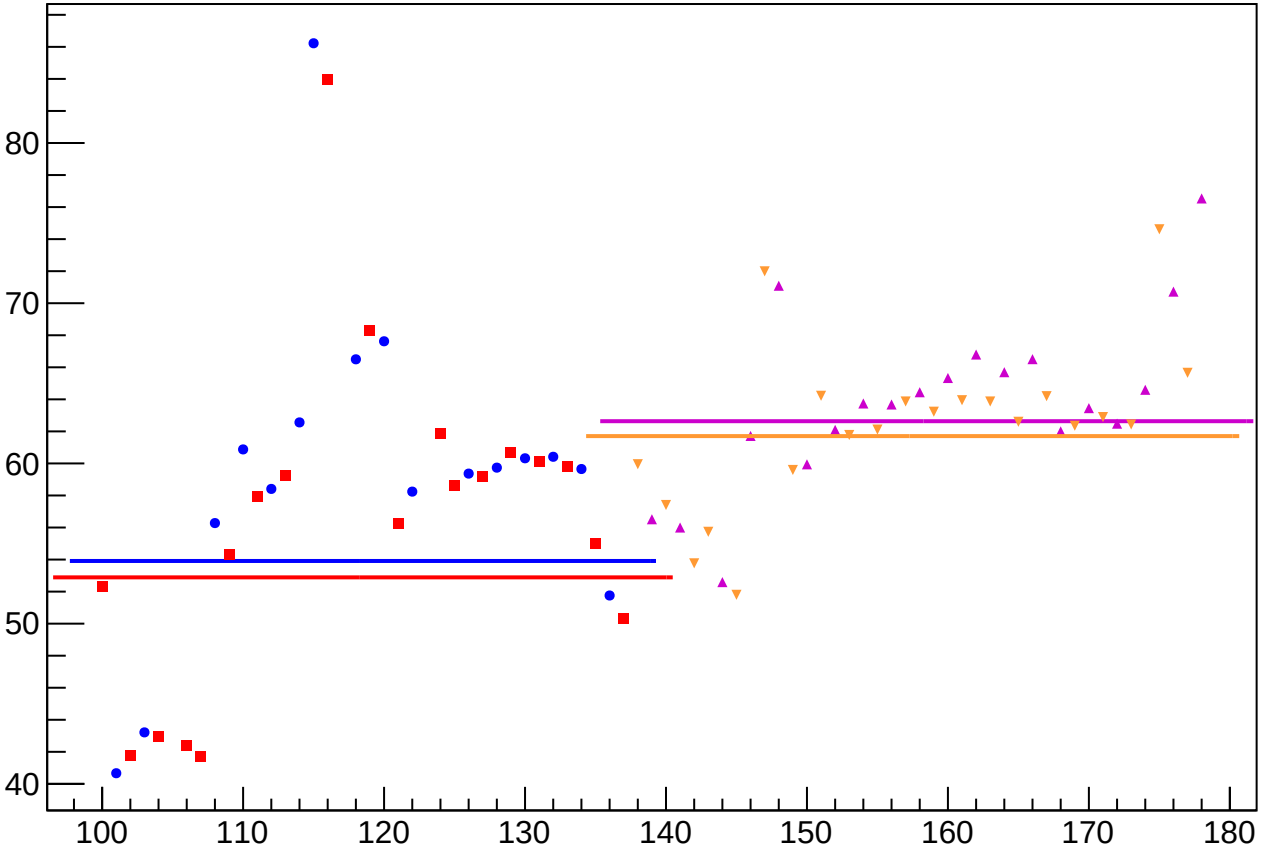
Left In: -17.426+/-15.573 χ^2/NDF:23.2/19

+ sign 26.816+/-12.179 χ^2/NDF: 45.3/36

All: -6.057+/-8.634 χ^2/NDF: 110.8/75

- sign -39.267+/-12.241 χ^2/NDF: 50.8/38

reg_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 61.706+/-0.011 χ^2/NDF:212765.4/20

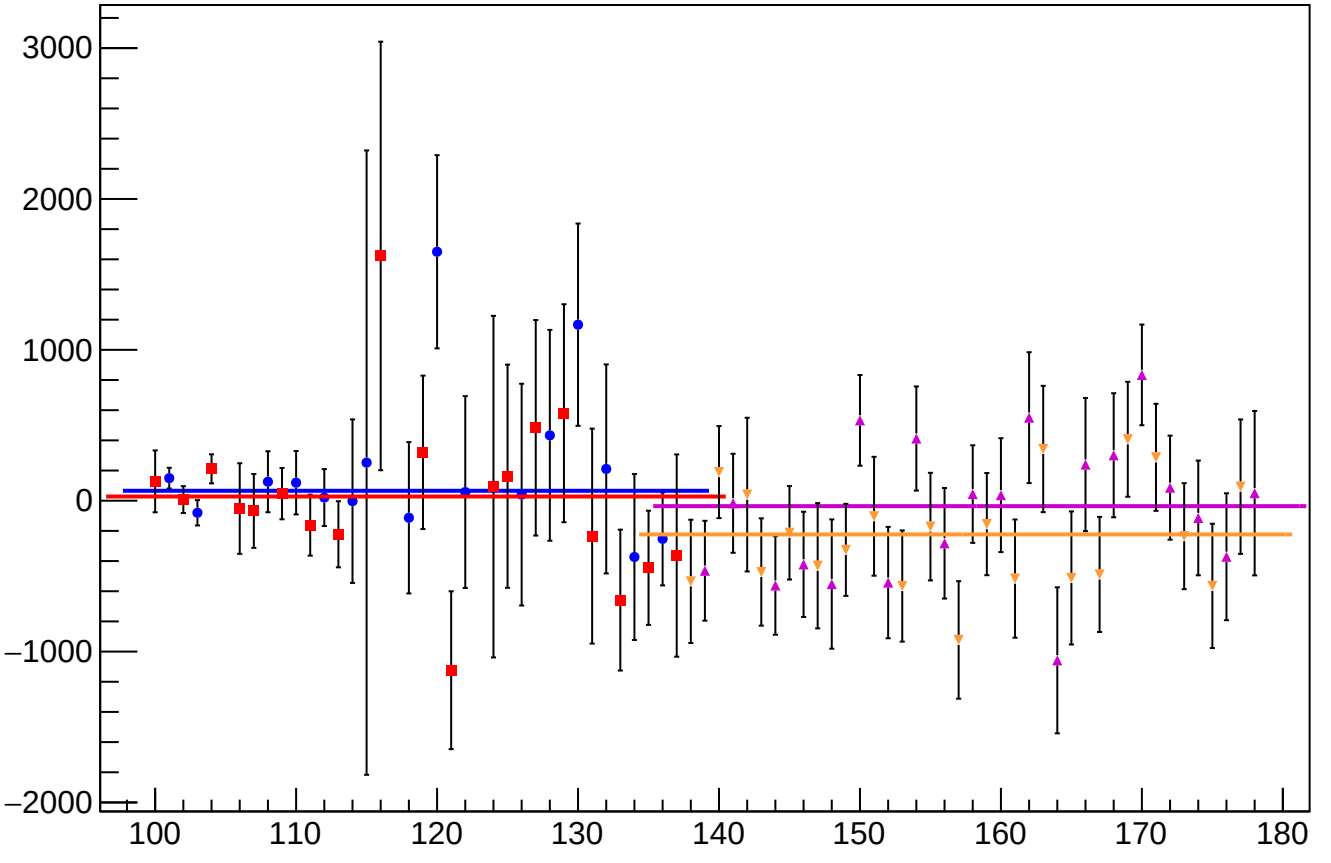
Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

Left In: 62.636+/-0.011 χ^2/NDF:227310.6/19

+ sign 58.932+/-0.009 χ^2/NDF: 793800.9/36

All: 58.922+/-0.006 χ^2/NDF: 1745762.0/75

- sign 58.911+/-0.009 χ^2/NDF: 951958.3/38



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -223.475+/-81.498 χ^2/NDF:17.1/20

Right Out: 27.850+/-50.291 χ^2/NDF: 18.0/18

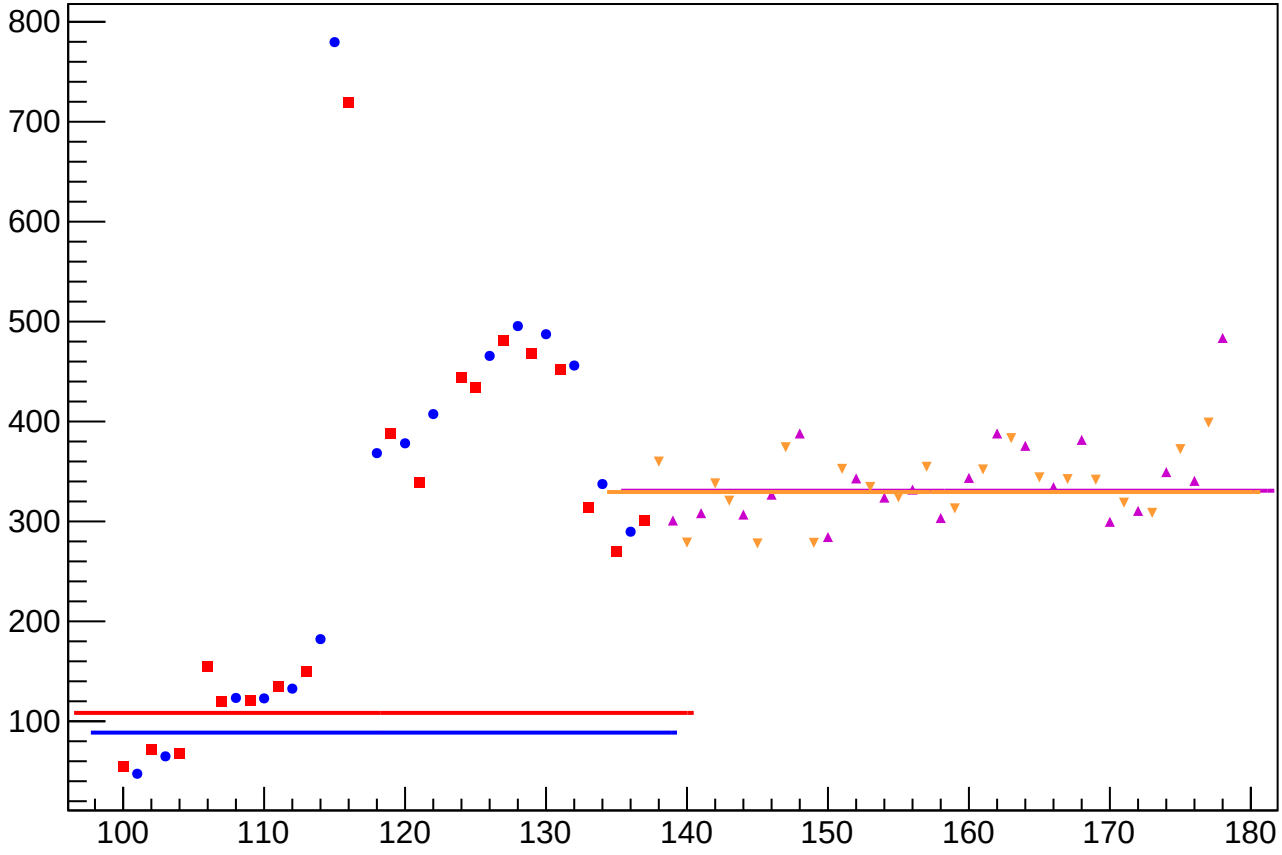
Left In: -36.005+/-82.691 χ^2/NDF:29.6/19

+ sign -5.155+/-40.374 χ^2/NDF: 42.3/36

All: 2.236+/-29.423 χ^2/NDF: 90.4/75

- sign 10.608+/-42.969 χ^2/NDF: 48.0/38

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 88.658+/-0.033 χ^2/NDF: 6648055.6/15

Left Out: 329.429+/-0.058 χ^2/NDF:348345.5/20

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

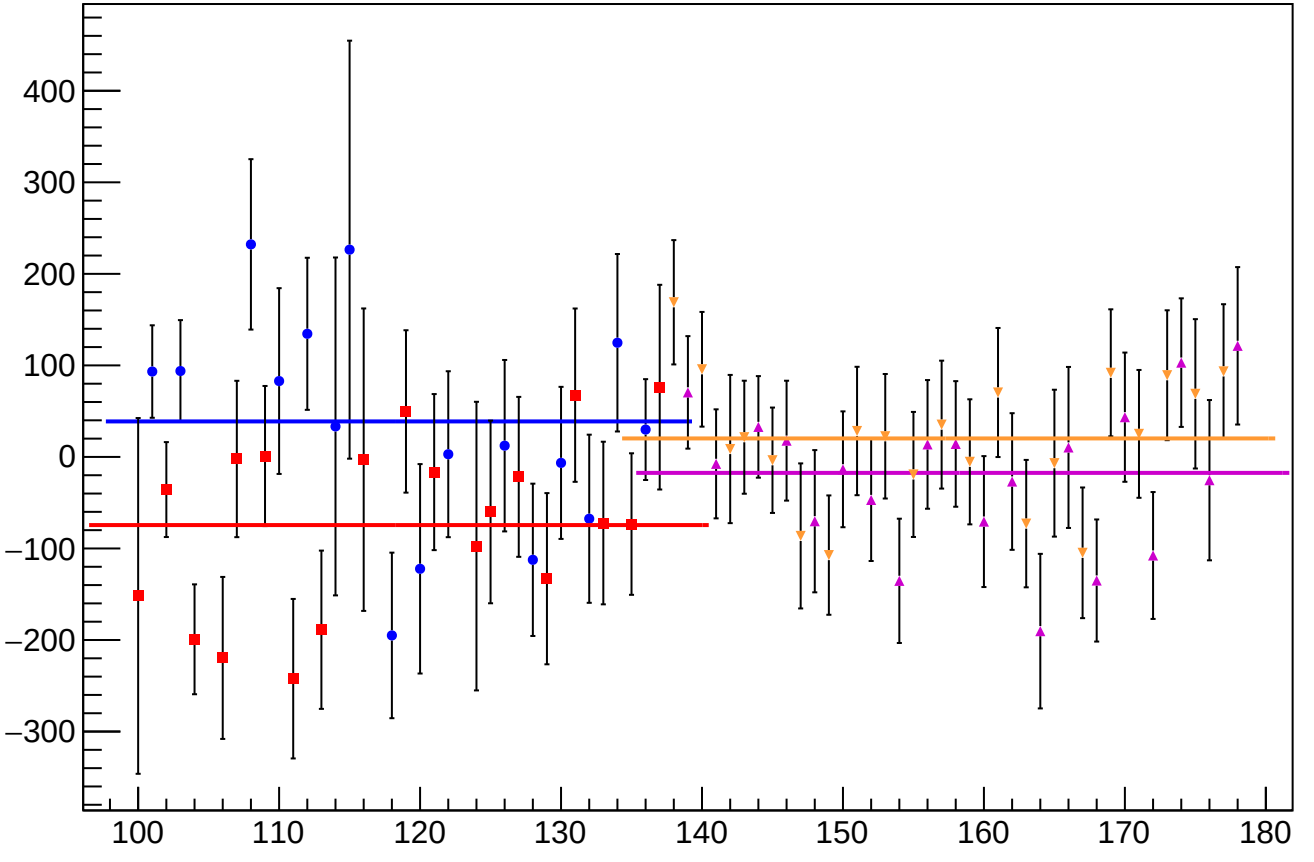
Left In: 330.741+/-0.058 χ^2/NDF:410024.5/19

+ sign 147.749+/-0.029 χ^2/NDF: 20168416.0/36

All: 157.444+/-0.021 χ^2/NDF: 36743864.4/75

- sign 168.424+/-0.030 χ^2/NDF: 16329514.1/38

cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 20.203+/-15.175 χ^2/NDF:21.5/20

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

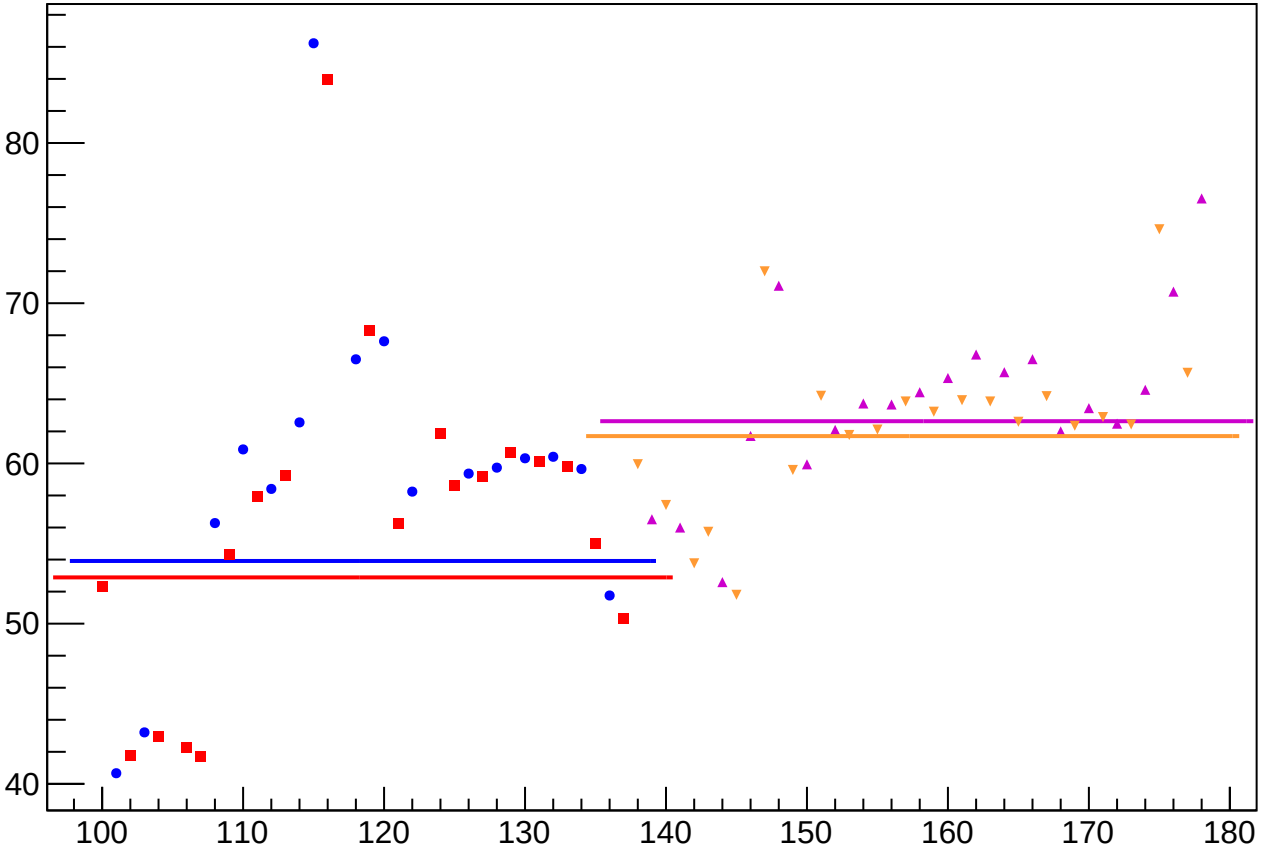
Left In: -17.426+/-15.573 χ^2/NDF:23.2/19

+ sign 26.820+/-12.179 χ^2/NDF: 45.3/36

All: -6.027+/-8.634 χ^2/NDF: 110.6/75

- sign -39.213+/-12.241 χ^2/NDF: 50.7/38

cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 61.706+/-0.011 χ^2/NDF:212765.4/20

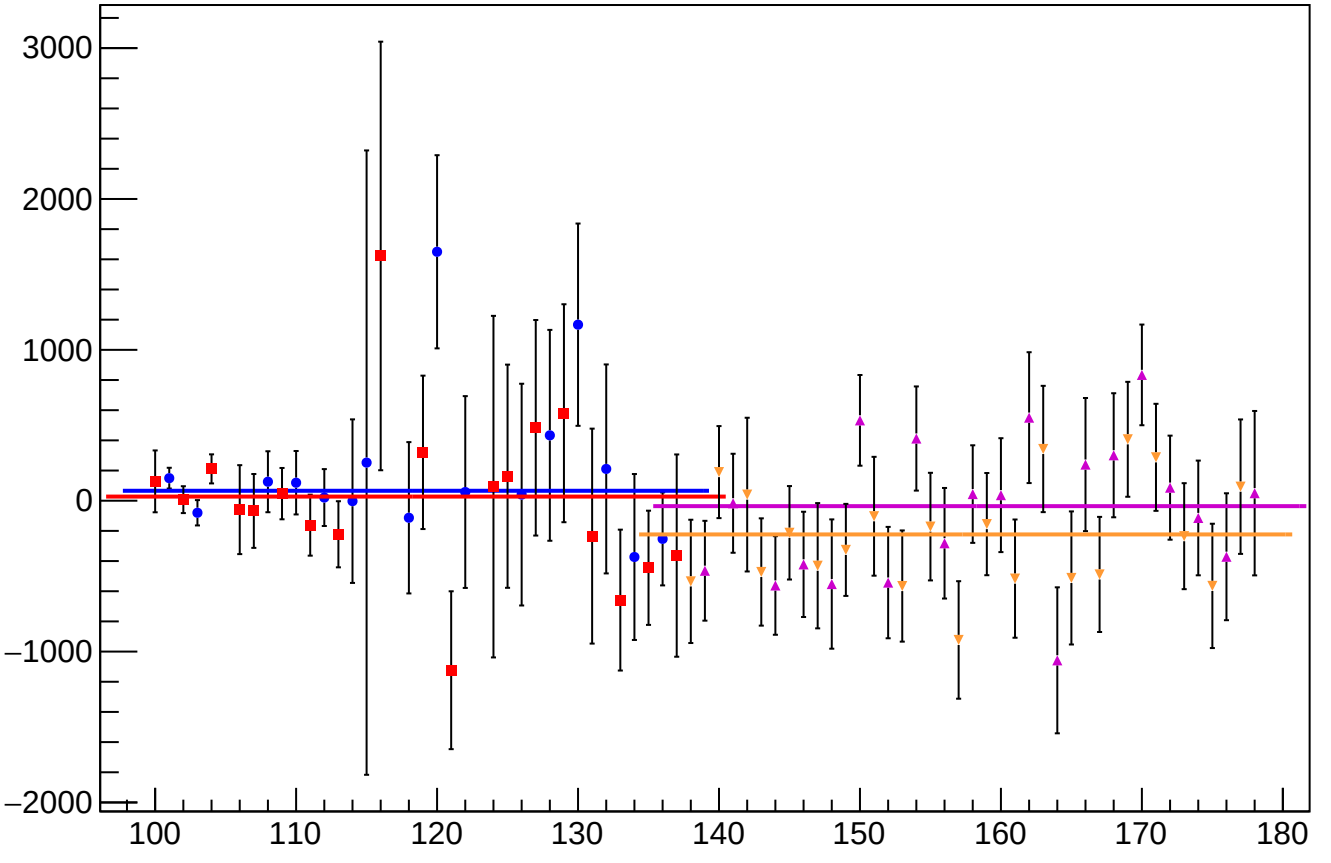
Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 62.636+/-0.011 χ^2/NDF:227310.7/19

+ sign 58.932+/-0.009 χ^2/NDF: 793799.9/36

All: 58.921+/-0.006 χ^2/NDF: 1746180.5/75

- sign 58.911+/-0.009 χ^2/NDF: 952377.6/38



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -223.474+/-81.498 χ^2/NDF:17.1/20

Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

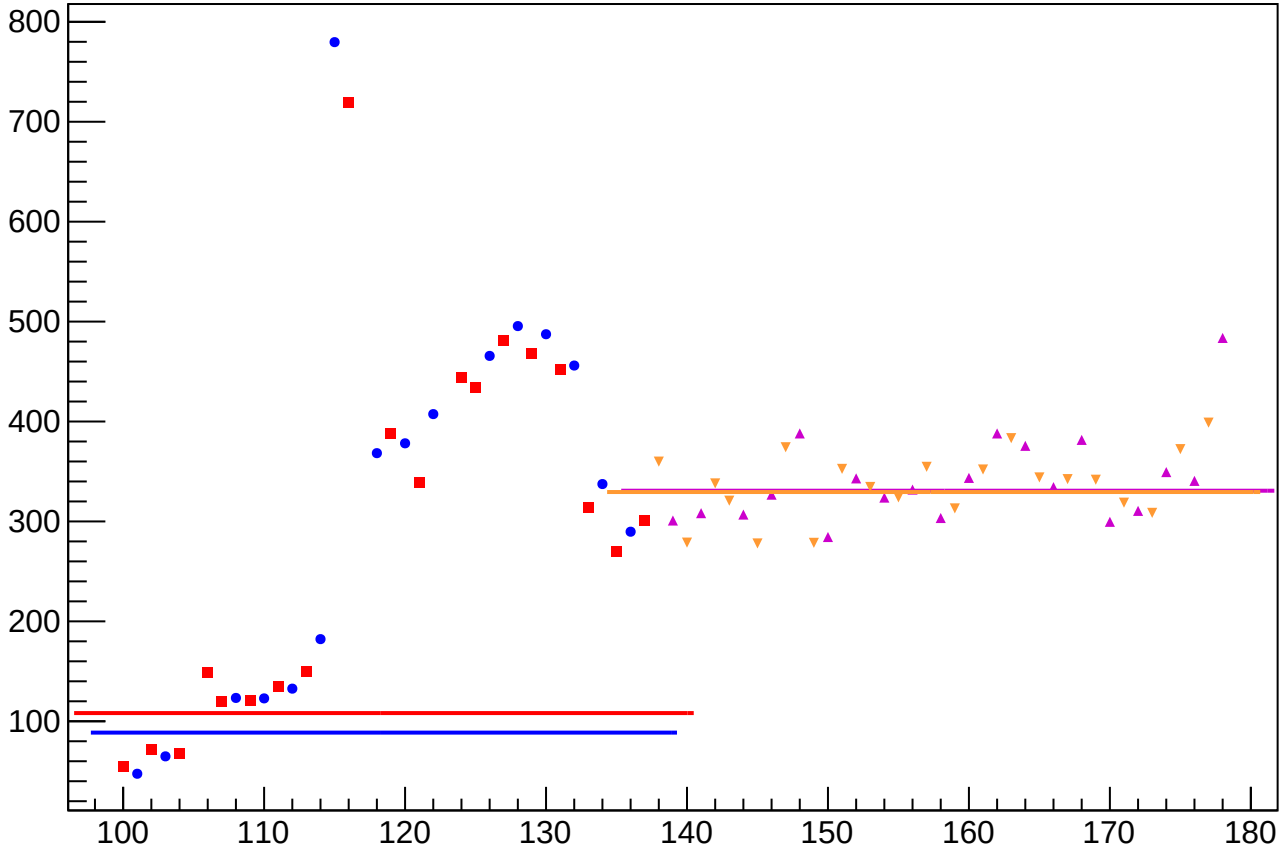
Left In: -36.003+/-82.691 χ^2/NDF:29.6/19

+ sign -5.149+/-40.373 χ^2/NDF: 42.3/36

All: 2.102+/-29.414 χ^2/NDF: 90.4/75

- sign 10.306+/-42.942 χ^2/NDF: 48.1/38

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 329.429+/-0.058 χ^2/NDF:348341.9/20

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

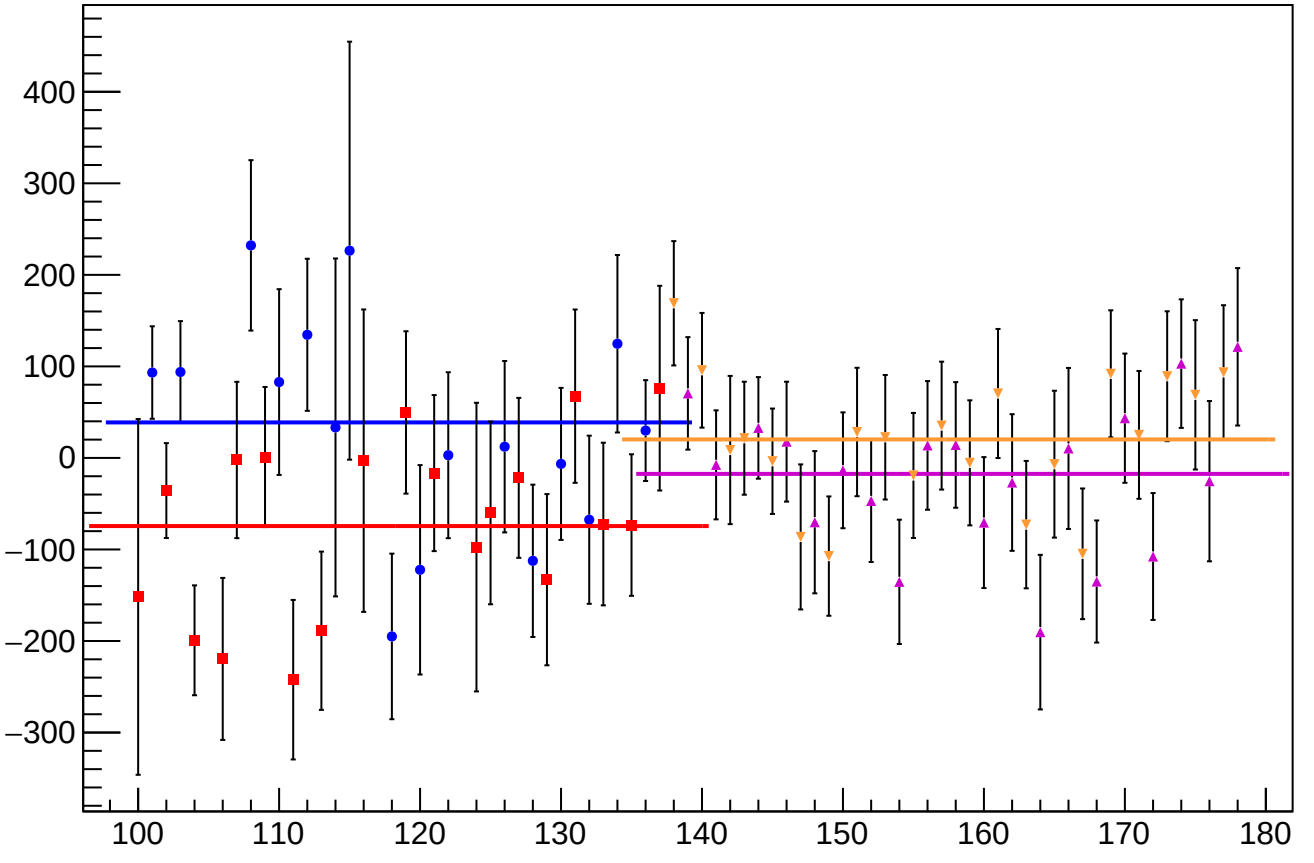
Left In: 330.741+/-0.058 χ^2/NDF:410030.6/19

+ sign 147.745+/-0.029 χ^2/NDF: 20168918.4/36

All: 157.352+/-0.021 χ^2/NDF: 36753606.0/75

- sign 168.219+/-0.030 χ^2/NDF: 16343351.3/38

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 20.203+/-15.175 χ^2/NDF:21.5/20

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

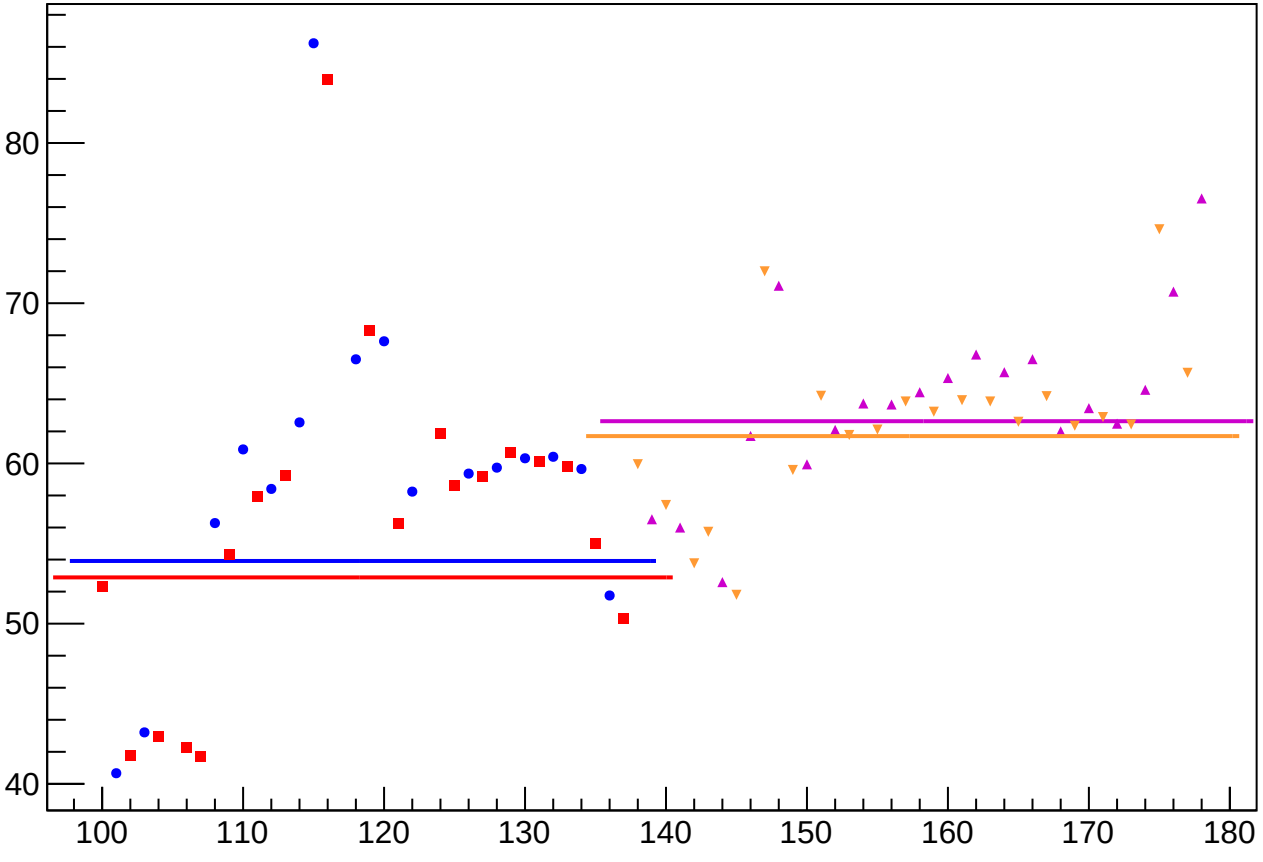
Left In: -17.426+/-15.573 χ^2/NDF:23.2/19

+ sign 26.820+/-12.179 χ^2/NDF: 45.3/36

All: -6.027+/-8.634 χ^2/NDF: 110.6/75

- sign -39.213+/-12.241 χ^2/NDF: 50.7/38

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 61.706+/-0.011 χ^2/NDF:212765.4/20

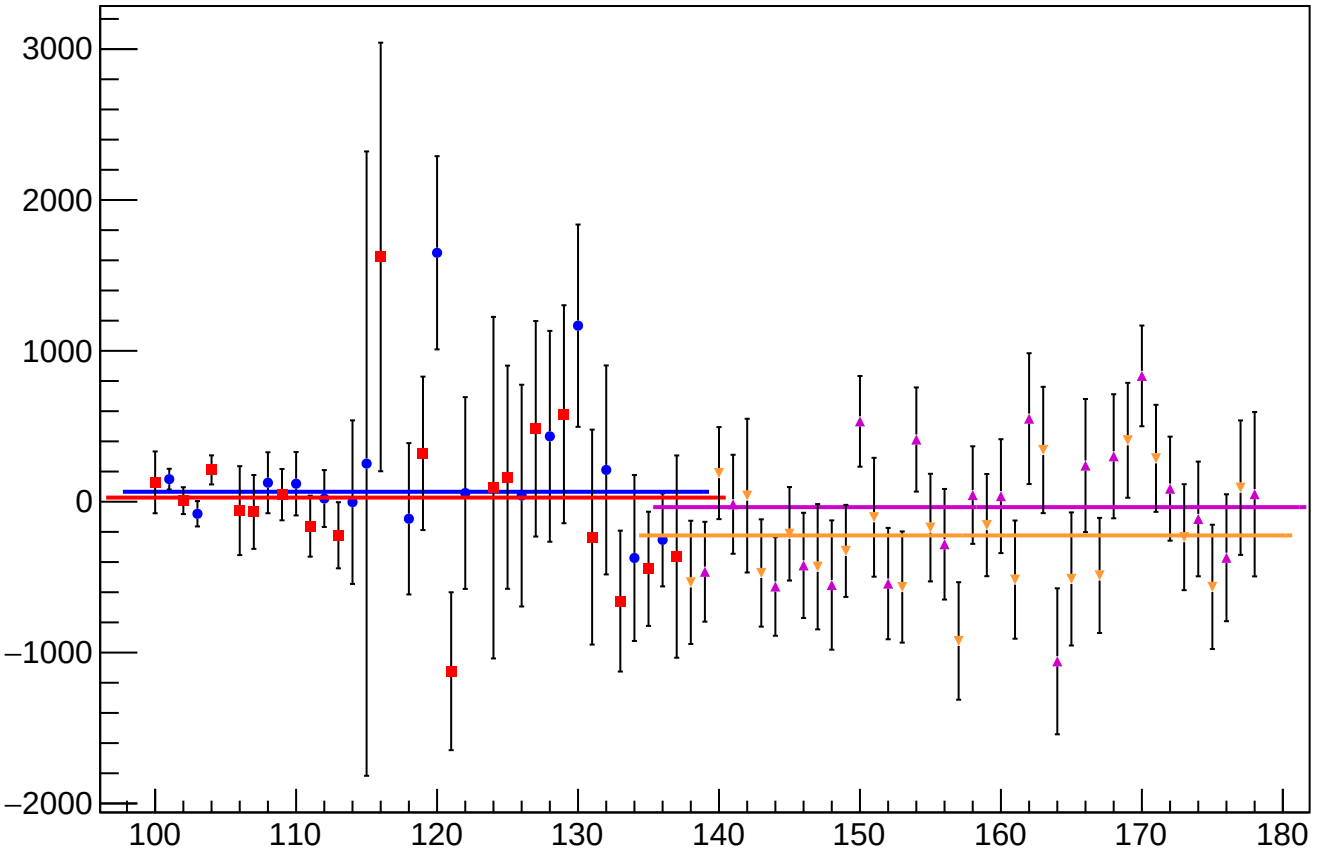
Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 62.636+/-0.011 χ^2/NDF:227310.7/19

+ sign 58.932+/-0.009 χ^2/NDF: 793799.9/36

All: 58.921+/-0.006 χ^2/NDF: 1746180.5/75

- sign 58.911+/-0.009 χ^2/NDF: 952377.6/38



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -223.474+/-81.498 χ^2/NDF:17.1/20

Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

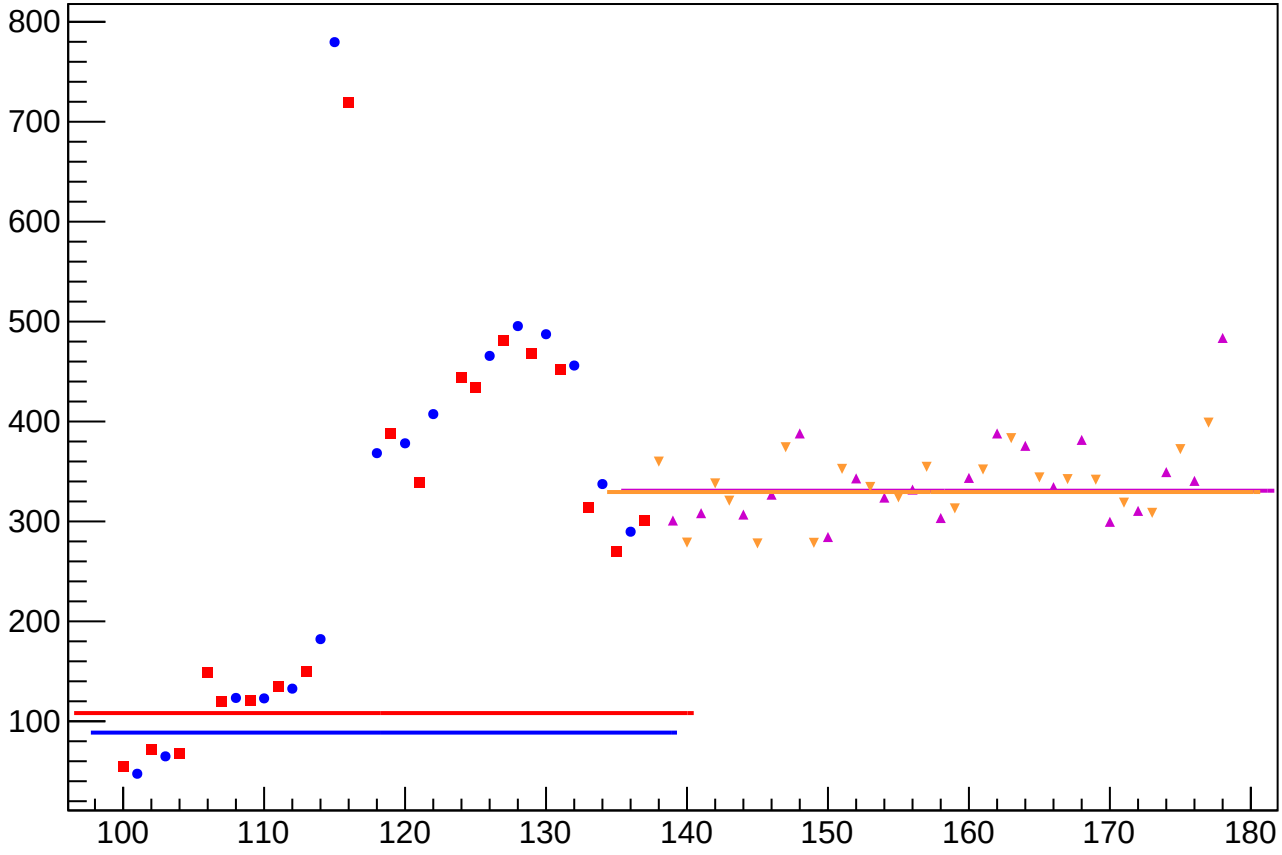
Left In: -36.003+/-82.691 χ^2/NDF:29.6/19

+ sign -5.149+/-40.373 χ^2/NDF: 42.3/36

All: 2.102+/-29.414 χ^2/NDF: 90.4/75

- sign 10.306+/-42.942 χ^2/NDF: 48.1/38

asym_sam_15_avg_eigen_cor_correction_rms vs Slug



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 329.429+/-0.058 χ^2/NDF:348341.9/20

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

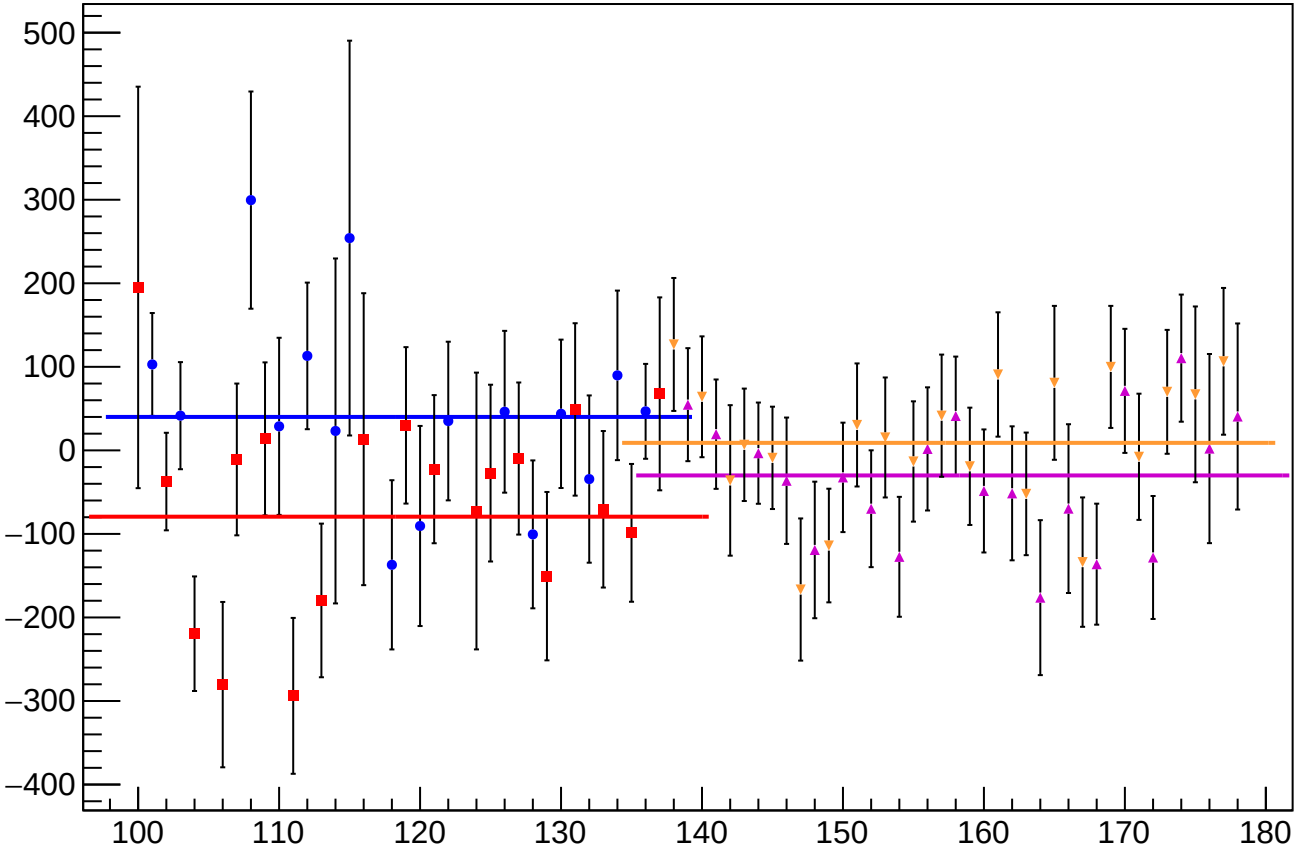
Left In: 330.741+/-0.058 χ^2/NDF:410030.6/19

+ sign 147.745+/-0.029 χ^2/NDF: 20168918.4/36

All: 157.352+/-0.021 χ^2/NDF: 36753606.0/75

- sign 168.219+/-0.030 χ^2/NDF: 16343351.3/38

dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 8.995+/-16.462 χ^2/NDF:20.9/20

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

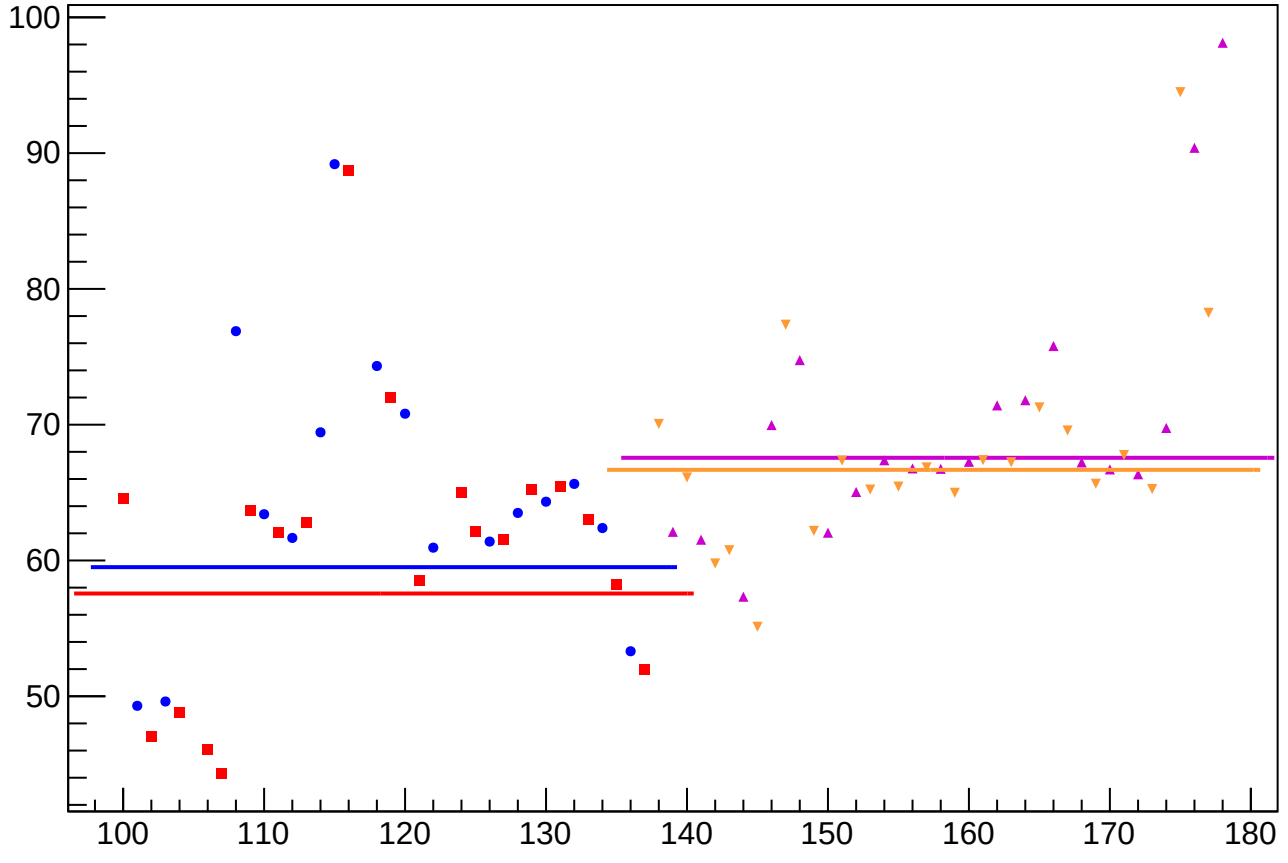
Left In: -30.010+/-16.891 χ^2/NDF:19.3/19

+ sign 19.806+/-13.289 χ^2/NDF: 36.3/36

All: -14.450+/-9.401 χ^2/NDF: 97.0/75

- sign -48.768+/-13.300 χ^2/NDF: 47.4/38

dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 66.675+/-0.012 χ^2/NDF:329187.4/20

Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

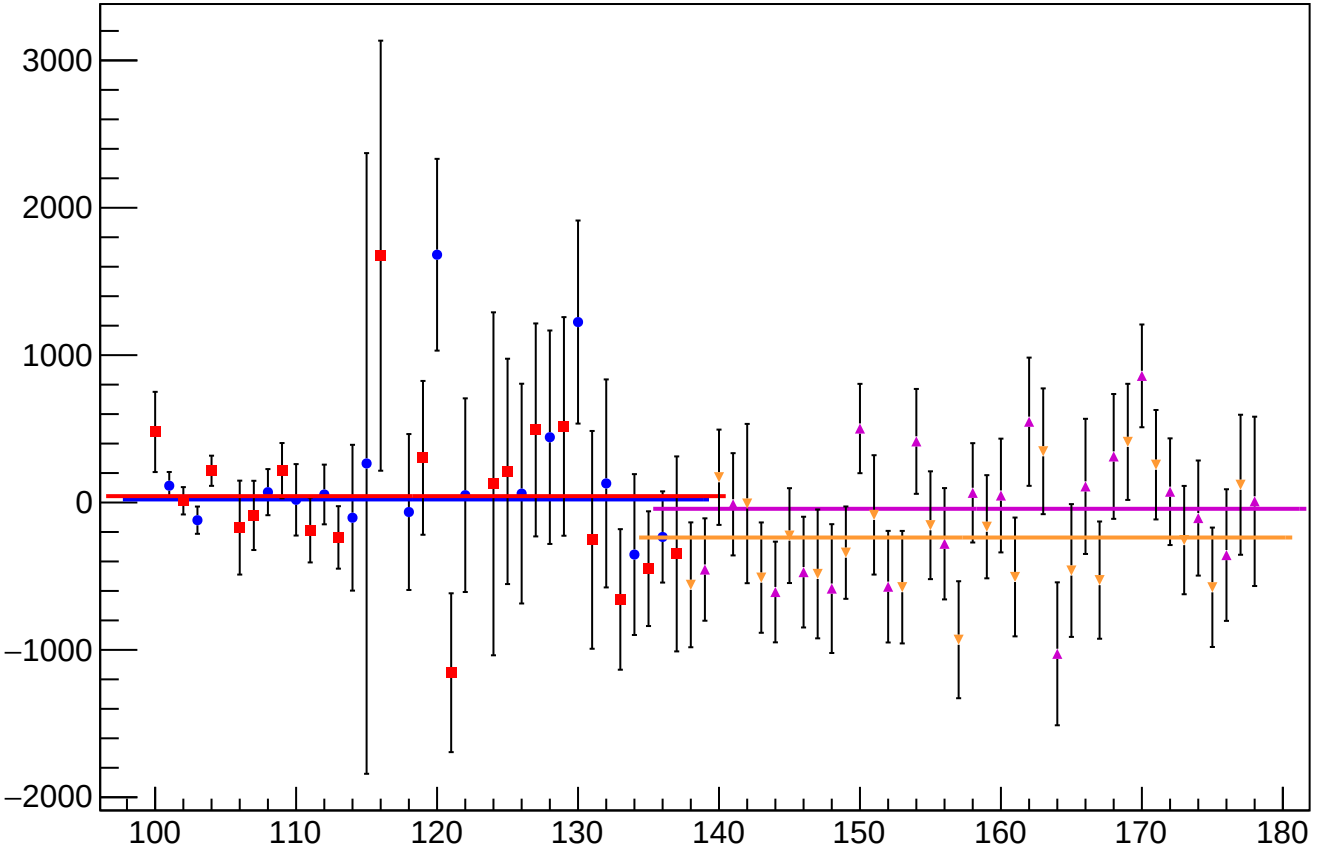
Left In: 67.562+/-0.012 χ^2/NDF:378458.1/19

+ sign 64.179+/-0.009 χ^2/NDF: 744434.3/36

All: 63.972+/-0.007 χ^2/NDF: 1737335.8/75

- sign 63.764+/-0.009 χ^2/NDF: 991928.1/38

asym_sam_15_avg_dit_correction_mean vs Slug



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -237.477+/-84.449 χ^2/NDF:16.2/20

Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

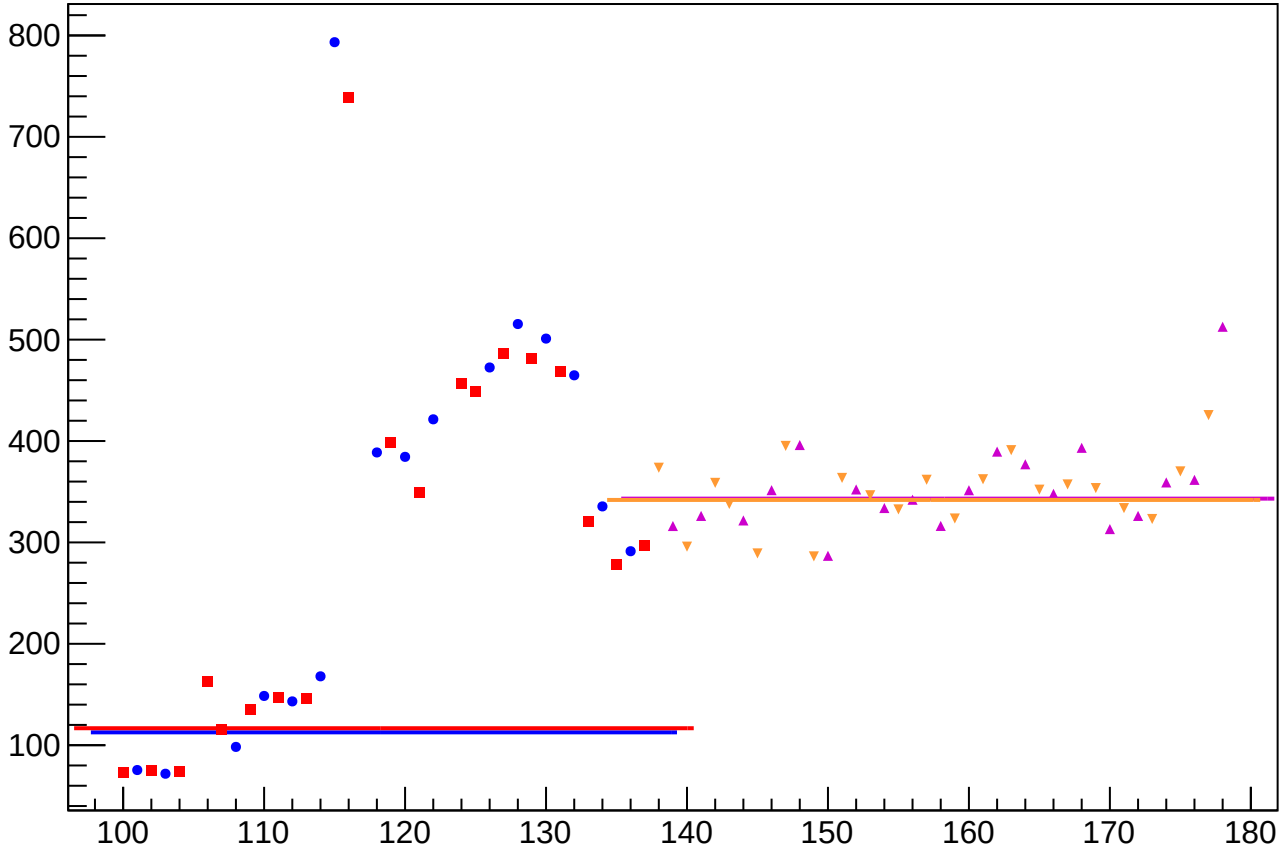
Left In: -42.669+/-85.722 χ^2/NDF:28.5/19

\+ sign -53.310+/-45.245 χ^2/NDF: 37.5/36

All: -16.945+/-31.980 χ^2/NDF: 89.5/75

\- sign 19.361+/-45.209 χ^2/NDF: 50.7/38

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 341.895+/-0.060 χ^2/NDF:333635.5/20

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

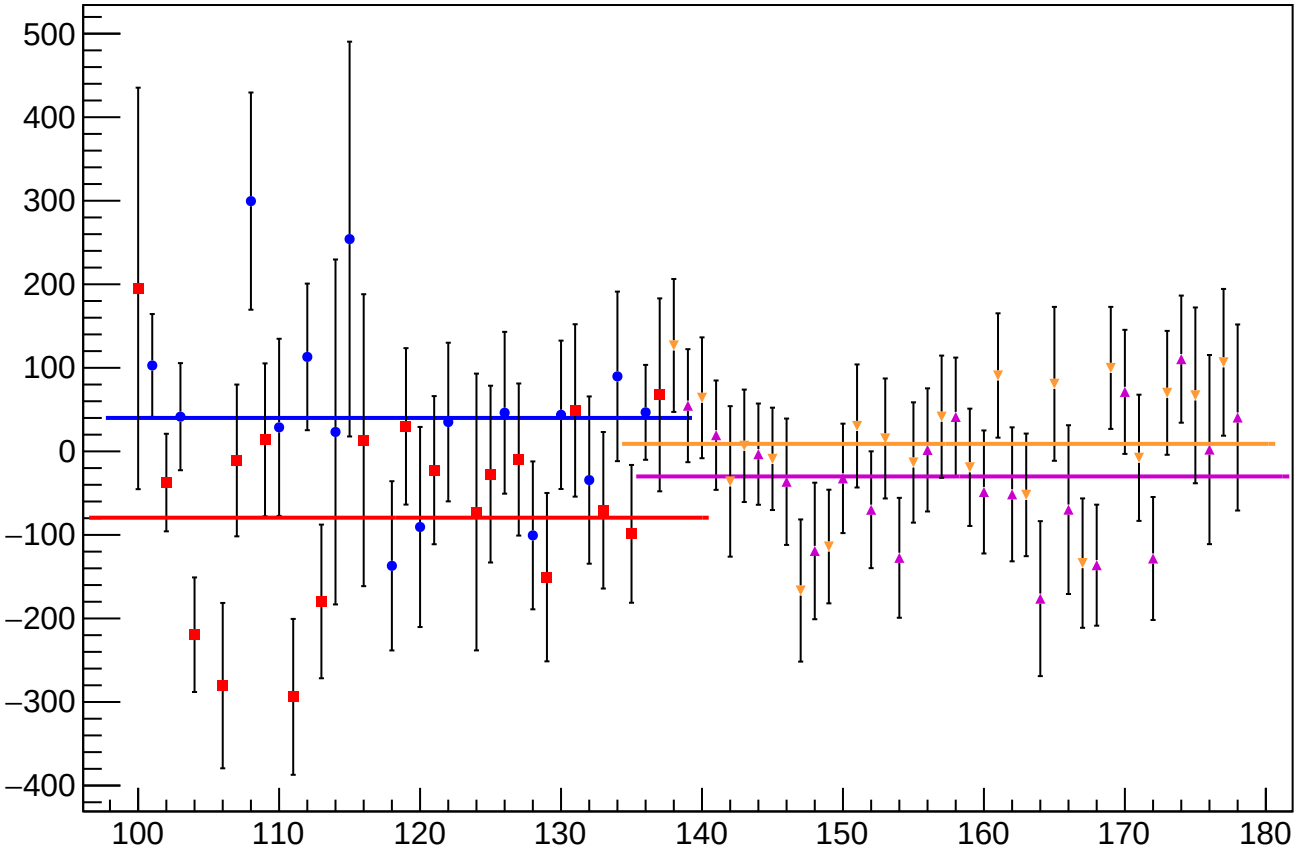
Left In: 343.175+/-0.061 χ^2/NDF:401441.9/19

+ sign 178.468+/-0.032 χ^2/NDF: 16439089.9/36

All: 179.092+/-0.023 χ^2/NDF: 32057061.1/75

- sign 179.715+/-0.032 χ^2/NDF: 15617210.2/38

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 8.996+/-16.462 χ^2/NDF:20.9/20

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

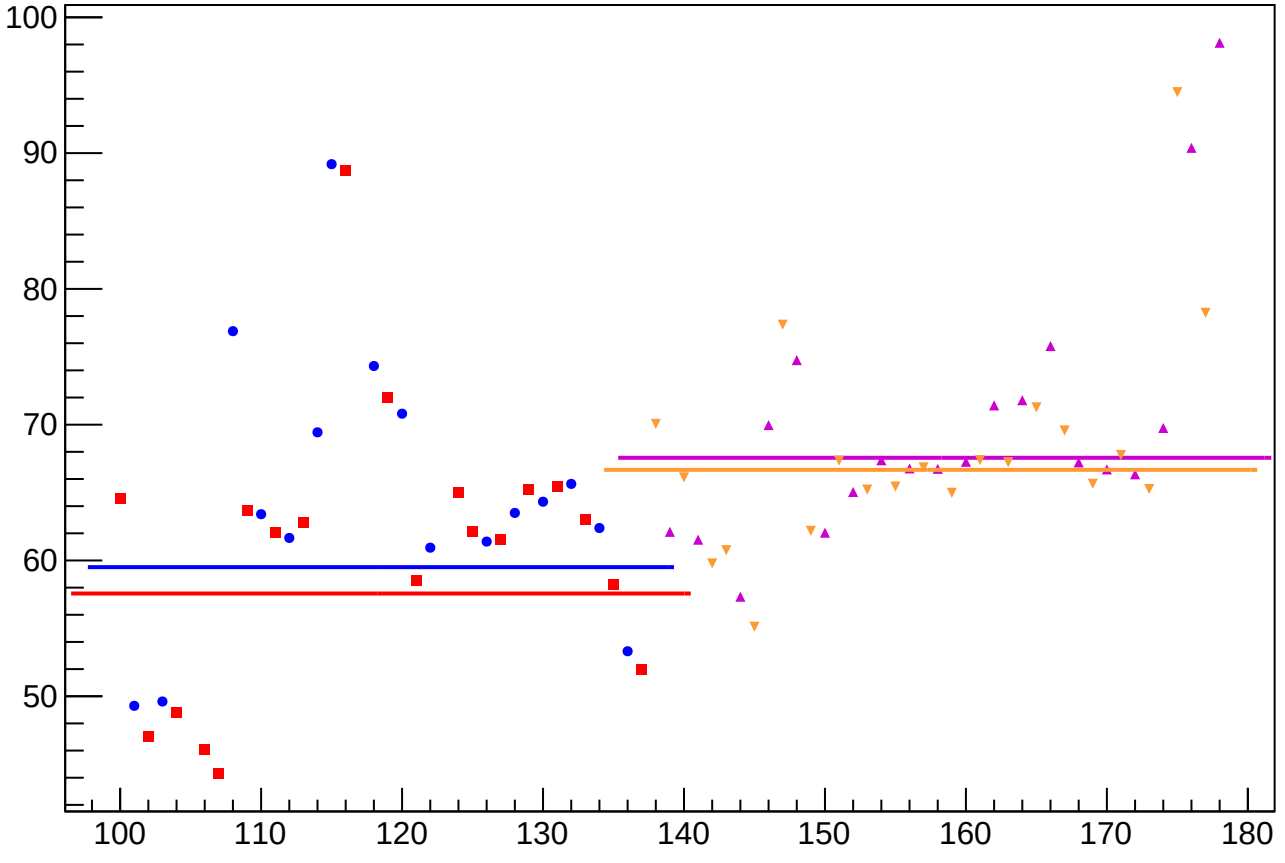
Left In: -30.010+/-16.891 χ^2/NDF:19.3/19

+ sign 19.807+/-13.289 χ^2/NDF: 36.3/36

All: -14.450+/-9.401 χ^2/NDF: 97.0/75

- sign -48.768+/-13.300 χ^2/NDF: 47.4/38

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 66.676+/-0.012 χ^2/NDF:329182.0/20

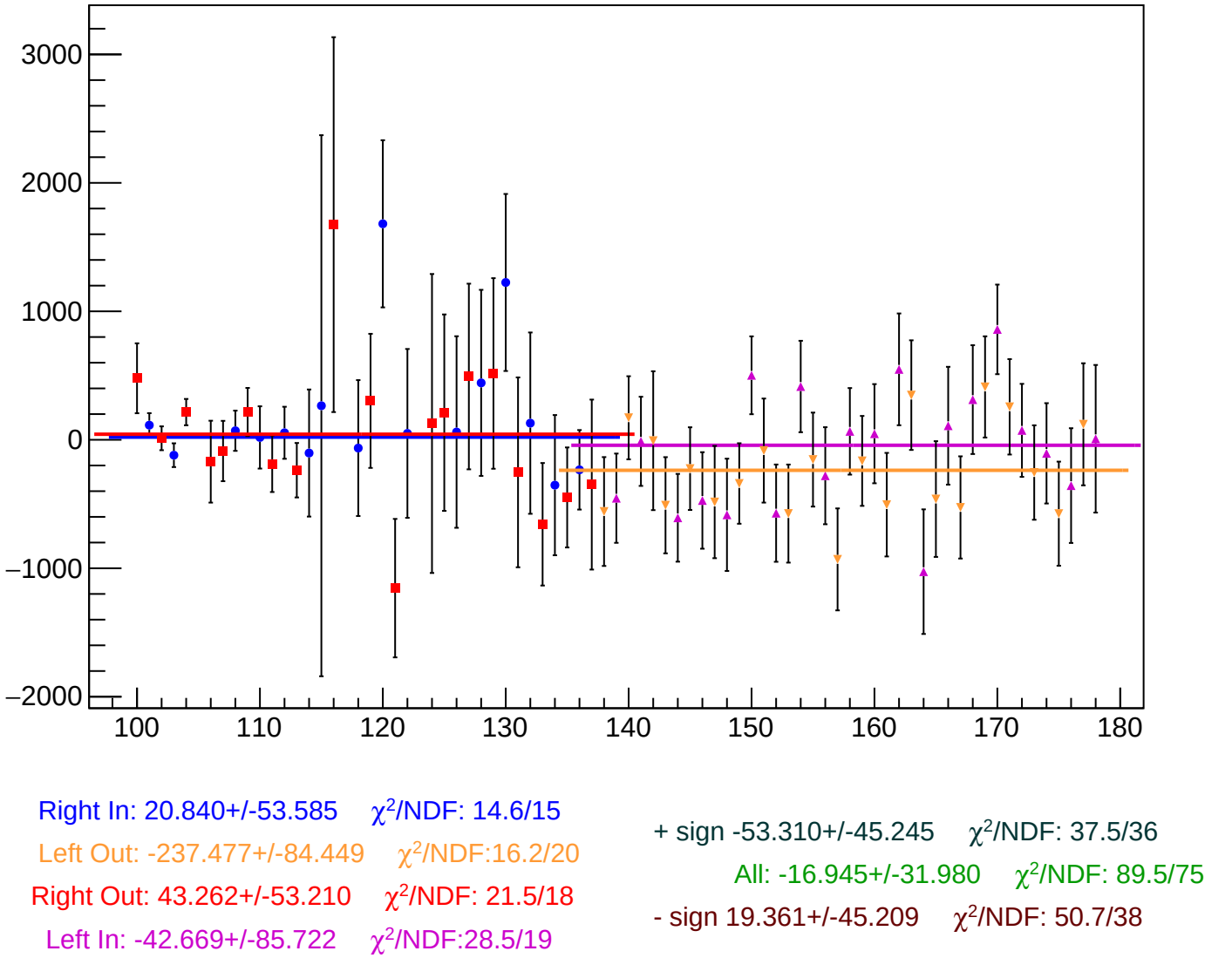
Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 67.562+/-0.012 χ^2/NDF:378440.7/19

+ sign 64.179+/-0.009 χ^2/NDF: 744433.2/36

All: 63.972+/-0.007 χ^2/NDF: 1737325.2/75

- sign 63.764+/-0.009 χ^2/NDF: 991918.7/38


asym_sam_15_avg_eigen_dit_correction_mean vs Slug
3000
2000
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0
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−2000
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110
120
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140
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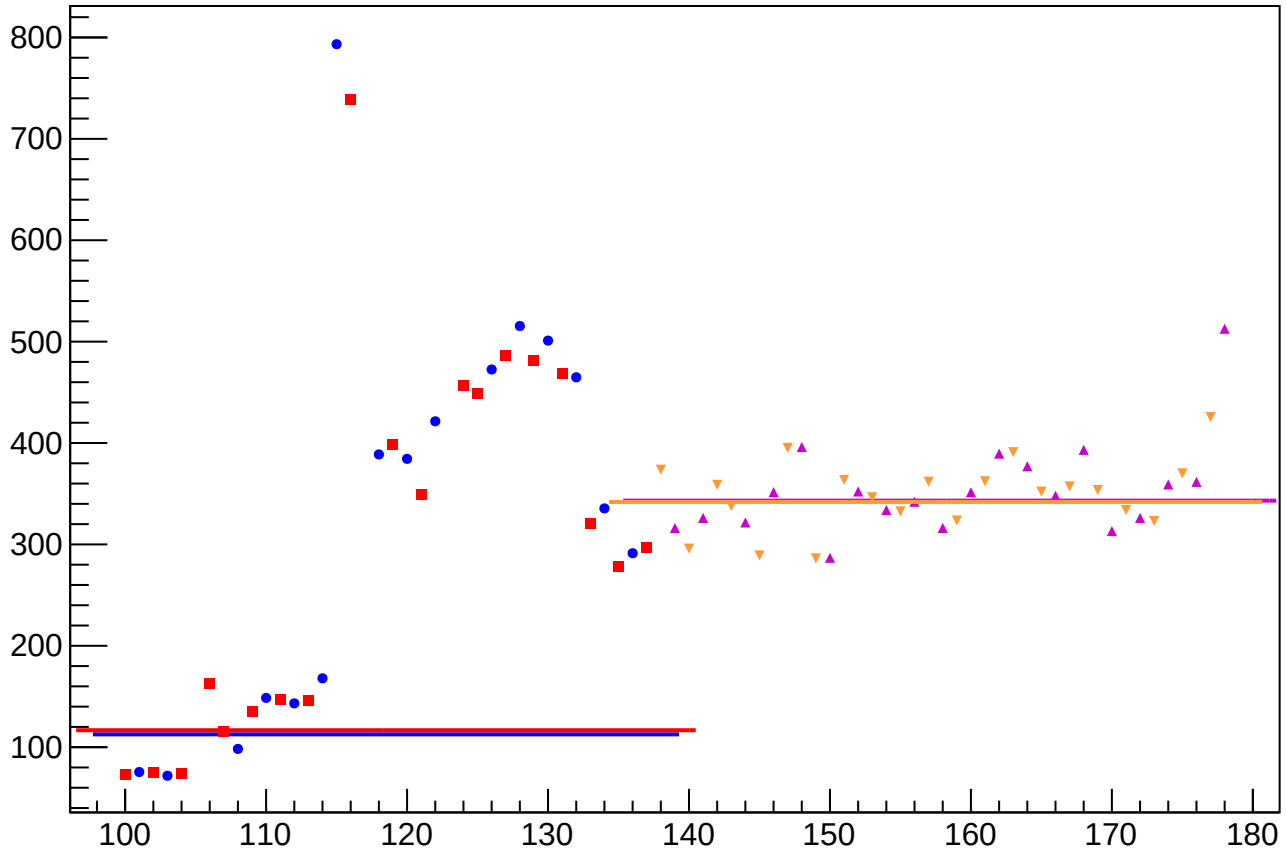
160
170
180
Right In: 20.840+/-53.585 χ²/NDF: 14.6/15
Left Out: -237.477+/-84.449 χ²/NDF:16.2/20
Right Out: 43.262+/-53.210 χ²/NDF: 21.5/18
Left In: -42.669+/-85.722 χ²/NDF:28.5/19
+ sign -53.310+/-45.245 χ²/NDF: 37.5/36
All: -16.945+/-31.980 χ²/NDF: 89.5/75
- sign 19.361+/-45.209 χ²/NDF: 50.7/38



Right In: 112.668+/-0.038 χ^2/NDF: 5599653.6/15

Left Out: 341.895+/-0.060 χ^2/NDF:333628.4/20

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

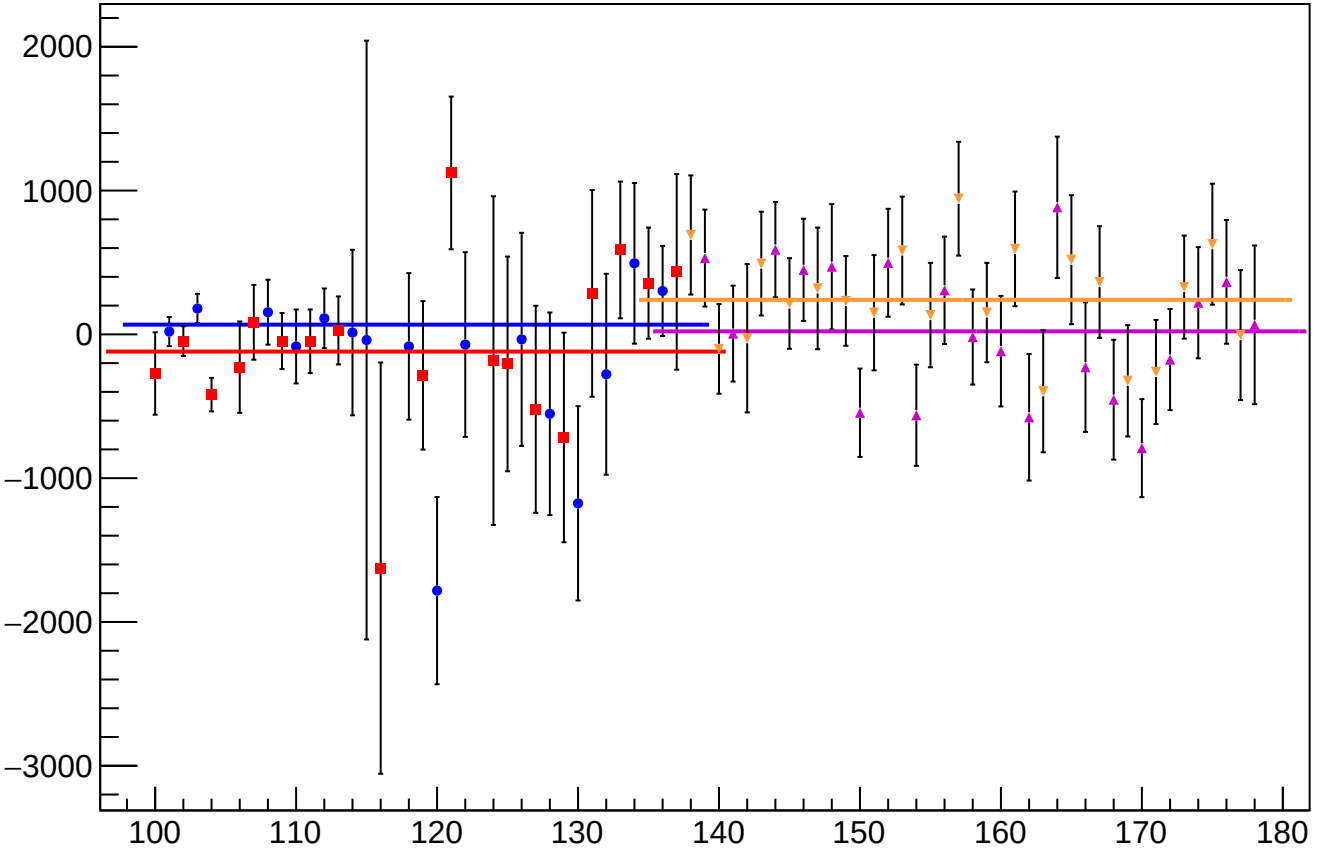
Left In: 343.176+/-0.061 χ^2/NDF:401435.0/19

+ sign 178.467+/-0.032 χ^2/NDF: 16439144.7/36

All: 179.092+/-0.023 χ^2/NDF: 32057188.2/75

- sign 179.715+/-0.032 χ^2/NDF: 15617282.7/38

asym_sam_15_avg_mean vs Slug



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 240.017+/-82.969 χ^2/NDF:16.1/20

Right Out: -119.635+/-57.941 χ^2/NDF: 21.1/18

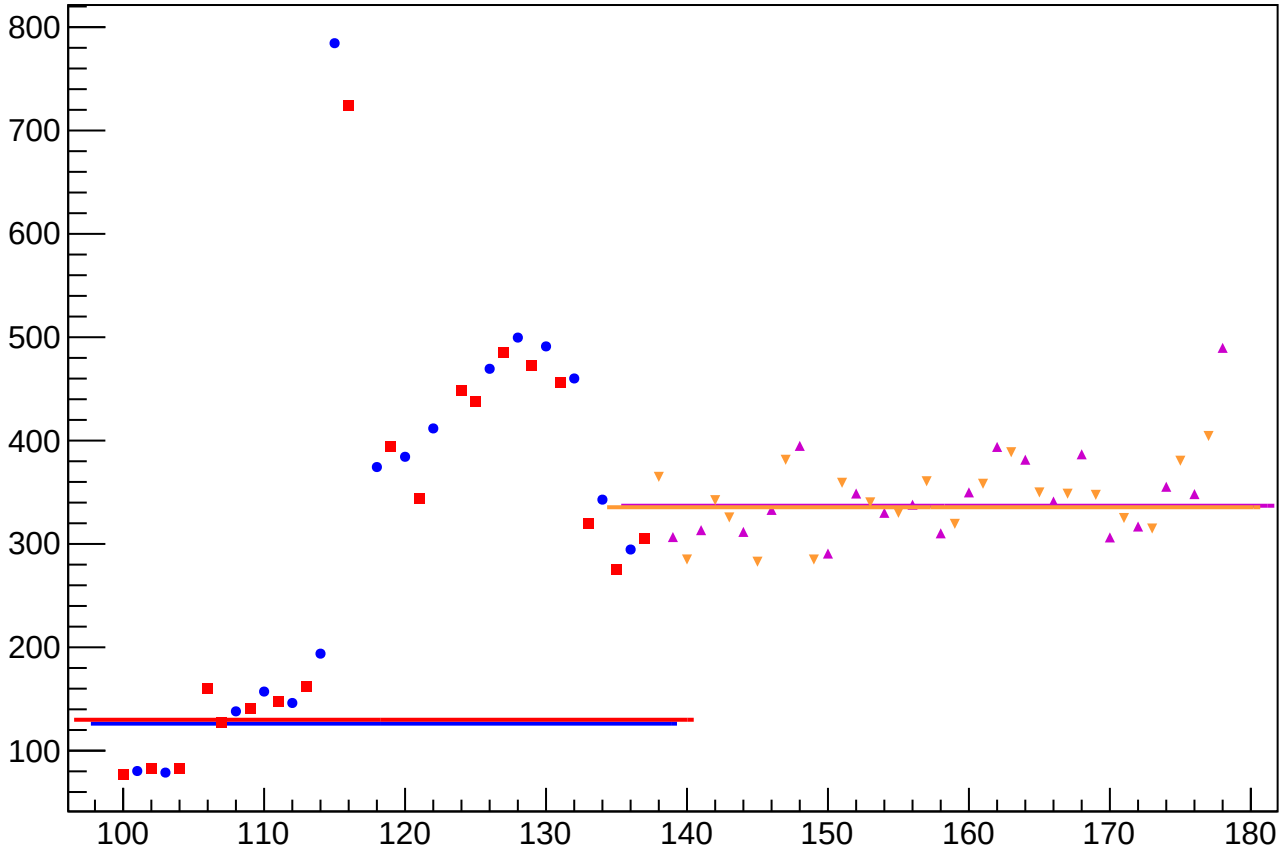
Left In: 20.949+/-84.216 χ^2/NDF:29.6/19

+ sign 125.740+/-48.174 χ^2/NDF: 34.8/36

All: 24.719+/-33.908 χ^2/NDF: 96.2/75

- sign -74.468+/-47.735 χ^2/NDF: 52.7/38

asym_sam_15_avg_rms vs Slug



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 335.515+/-0.059 χ^2/NDF:338601.9/20

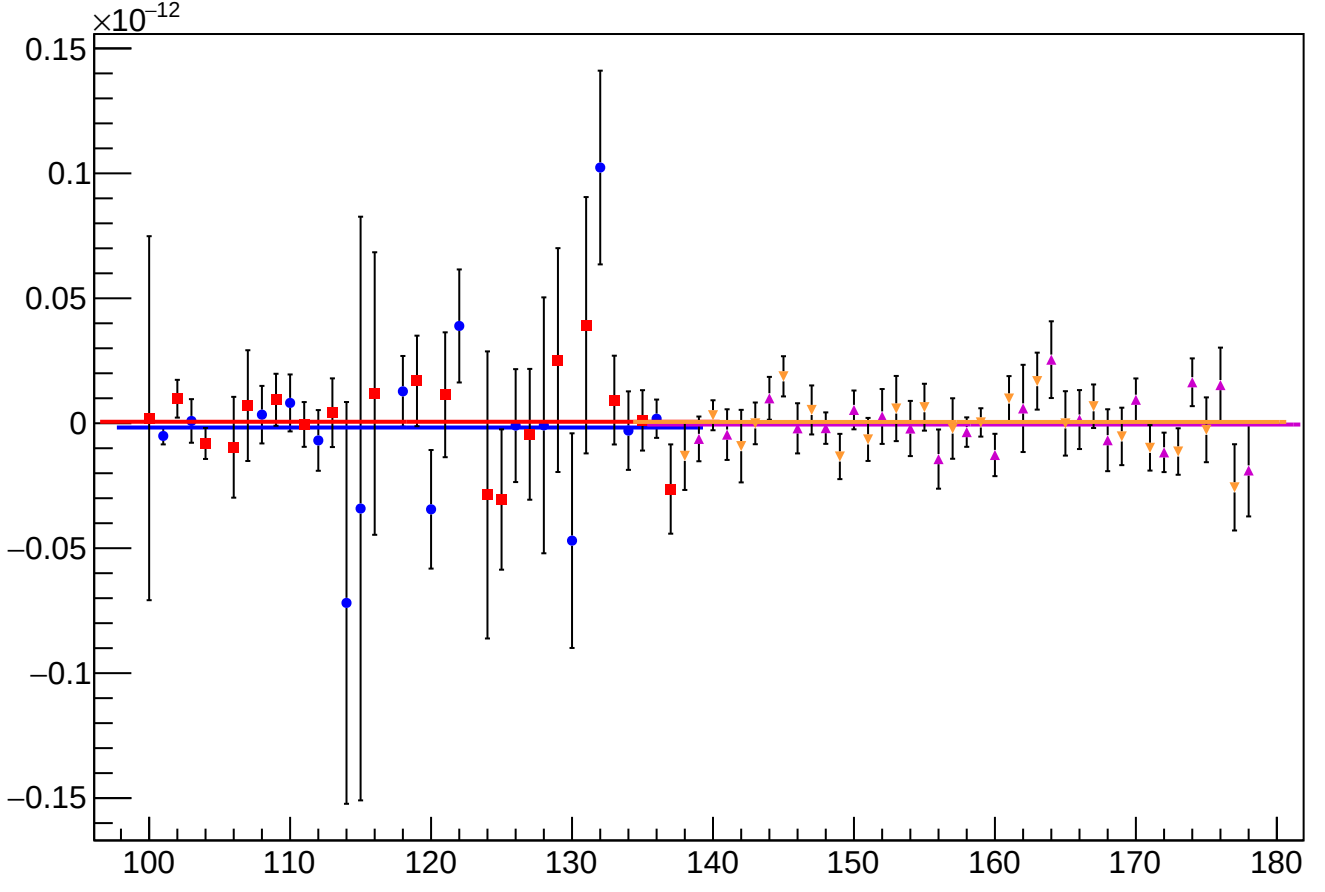
Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

Left In: 336.971+/-0.060 χ^2/NDF:397236.8/19

+ sign 196.734+/-0.034 χ^2/NDF: 14000268.7/36

All: 196.584+/-0.024 χ^2/NDF: 27250862.4/75

- sign 196.437+/-0.034 χ^2/NDF: 13250555.4/38



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/20

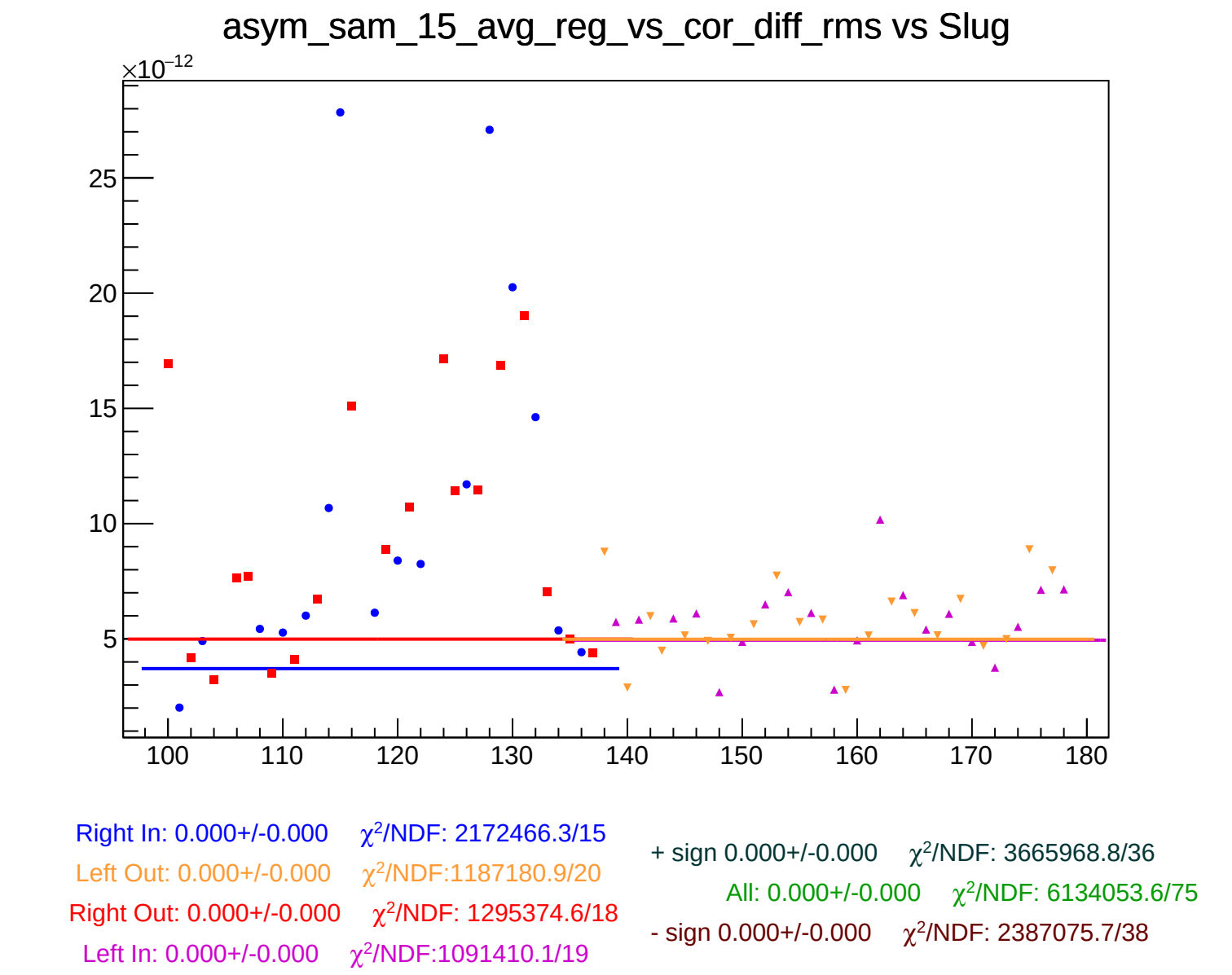
Right Out: 0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: -0.000+/-0.000 χ^2/NDF:18.4/19

+ sign -0.000+/-0.000 χ^2/NDF: 38.0/36

All: -0.000+/-0.000 χ^2/NDF: 67.0/75

- sign -0.000+/-0.000 χ^2/NDF: 29.0/38


asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug
×10^−12
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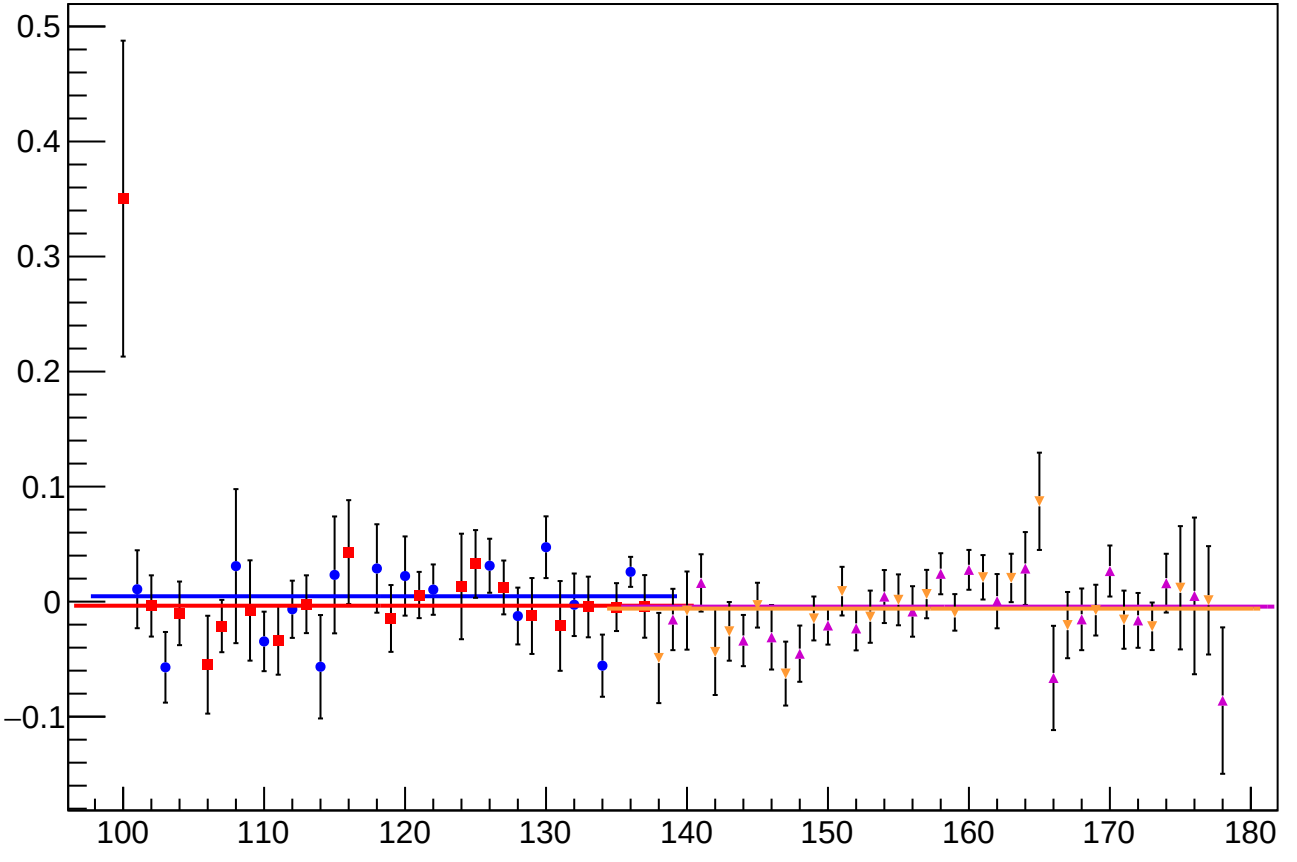
10
5
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2172466.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1187180.9/20
Right Out: 0.000+/-0.000 χ²/NDF: 1295374.6/18
Left In: 0.000+/-0.000 χ²/NDF:1091410.1/19
+ sign 0.000+/-0.000 χ²/NDF: 3665968.8/36
All: 0.000+/-0.000 χ²/NDF: 6134053.6/75
- sign 0.000+/-0.000 χ²/NDF: 2387075.7/38

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: -0.006+/-0.005 χ^2/NDF:17.9/20

Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

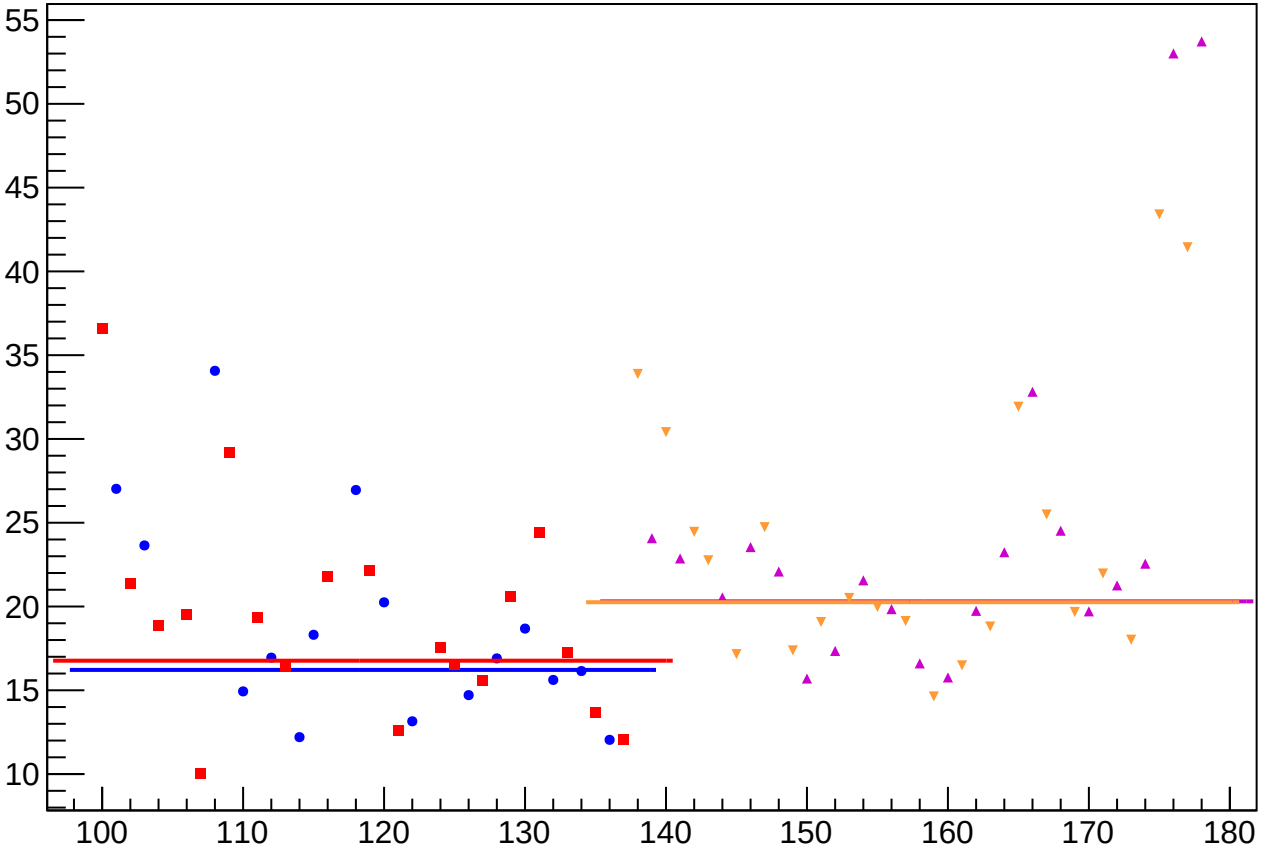
Left In: -0.004+/-0.005 χ^2/NDF:22.1/19

+ sign -0.002+/-0.004 χ^2/NDF: 40.9/36

All: -0.003+/-0.003 χ^2/NDF: 76.8/75

- sign -0.004+/-0.004 χ^2/NDF: 35.7/38

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 20.257+/-0.004 χ^2/NDF:1991345.8/20

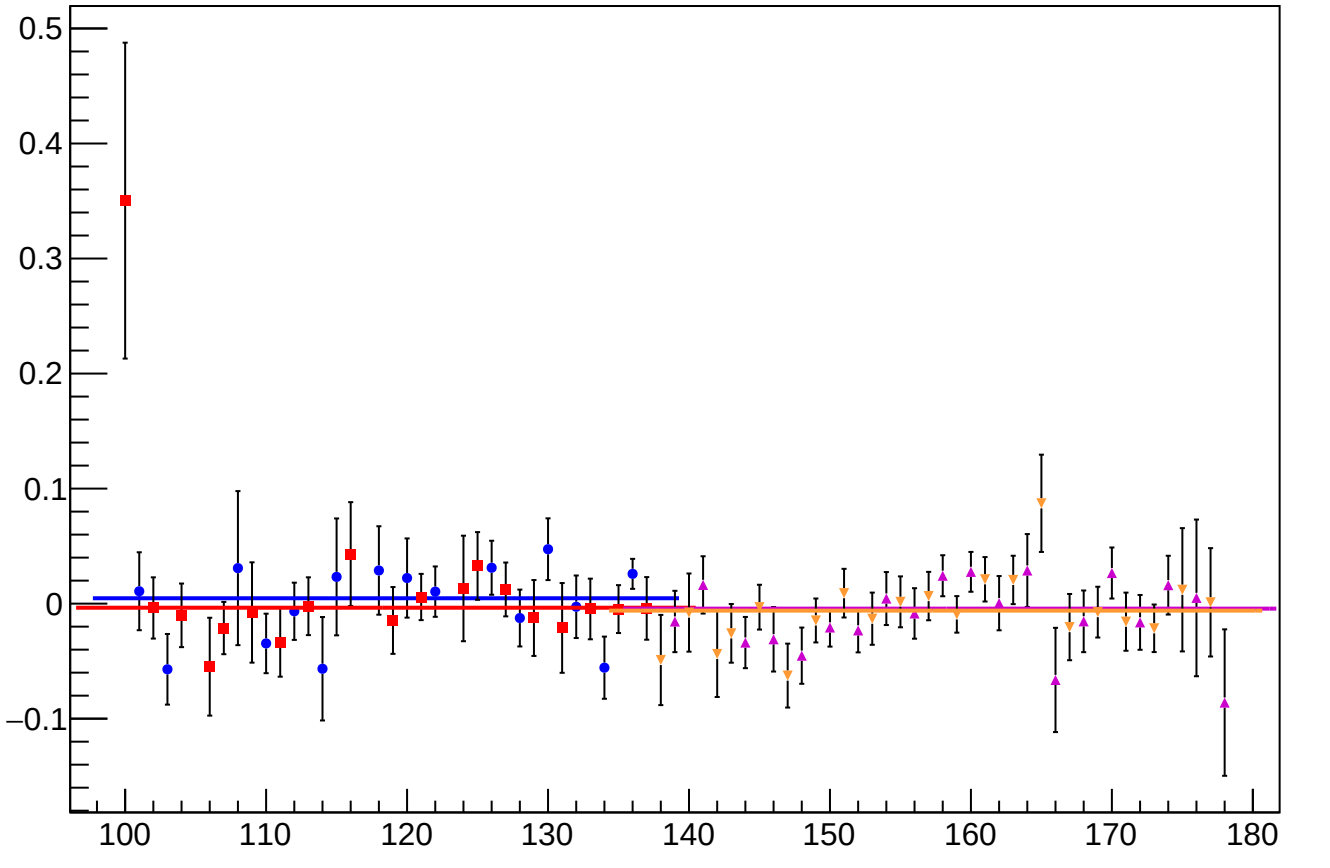
Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 20.307+/-0.004 χ^2/NDF:1783071.4/19

+ sign 18.683+/-0.003 χ^2/NDF: 3397528.1/36

All: 18.798+/-0.002 χ^2/NDF: 6397349.2/75

- sign 18.917+/-0.003 χ^2/NDF: 2996603.2/38



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:17.9/20

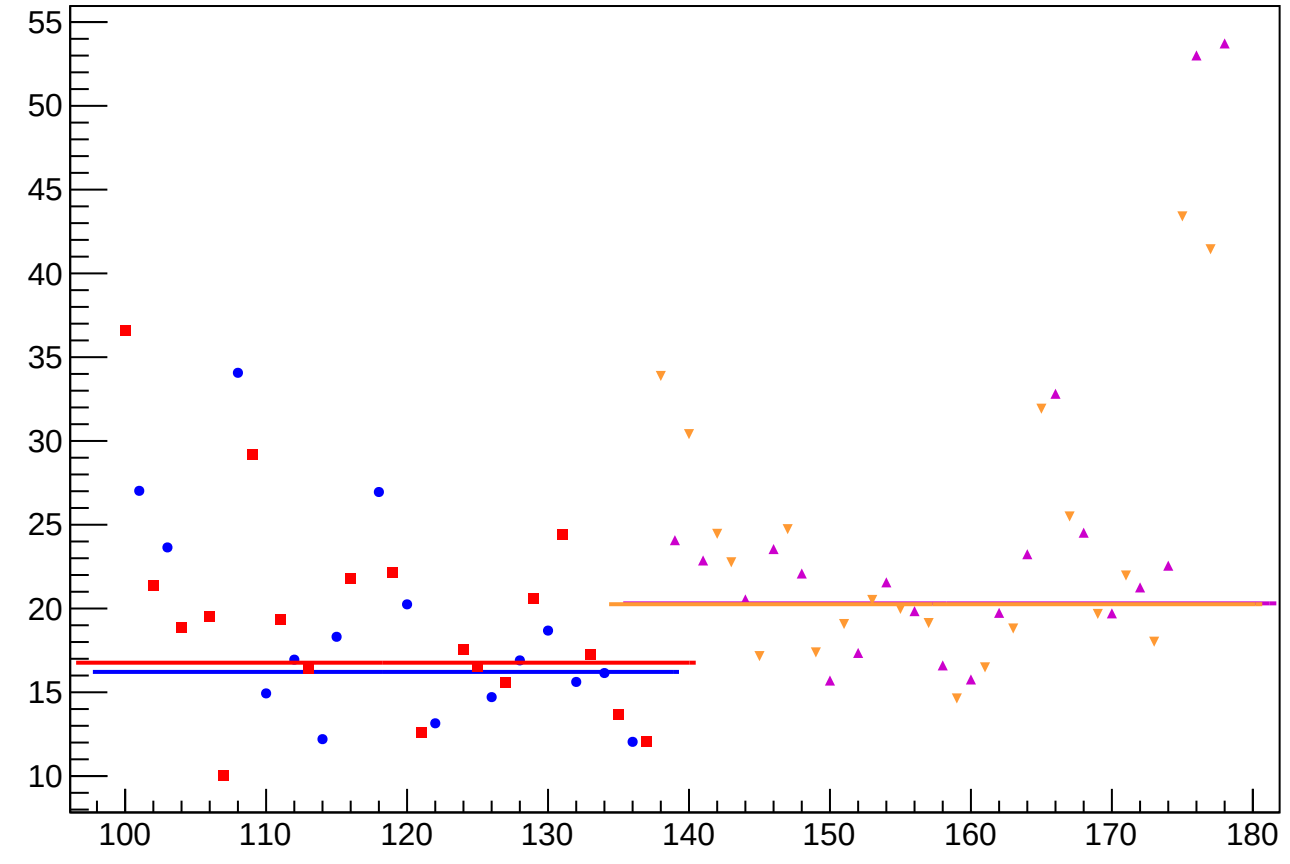
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.004+/-0.005 χ^2/NDF:22.1/19

+ sign -0.002+/-0.004 χ^2/NDF: 40.9/36

All: -0.003+/-0.003 χ^2/NDF: 76.8/75

- sign -0.004+/-0.004 χ^2/NDF: 35.7/38



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 20.257+/-0.004 χ^2/NDF:1991345.8/20

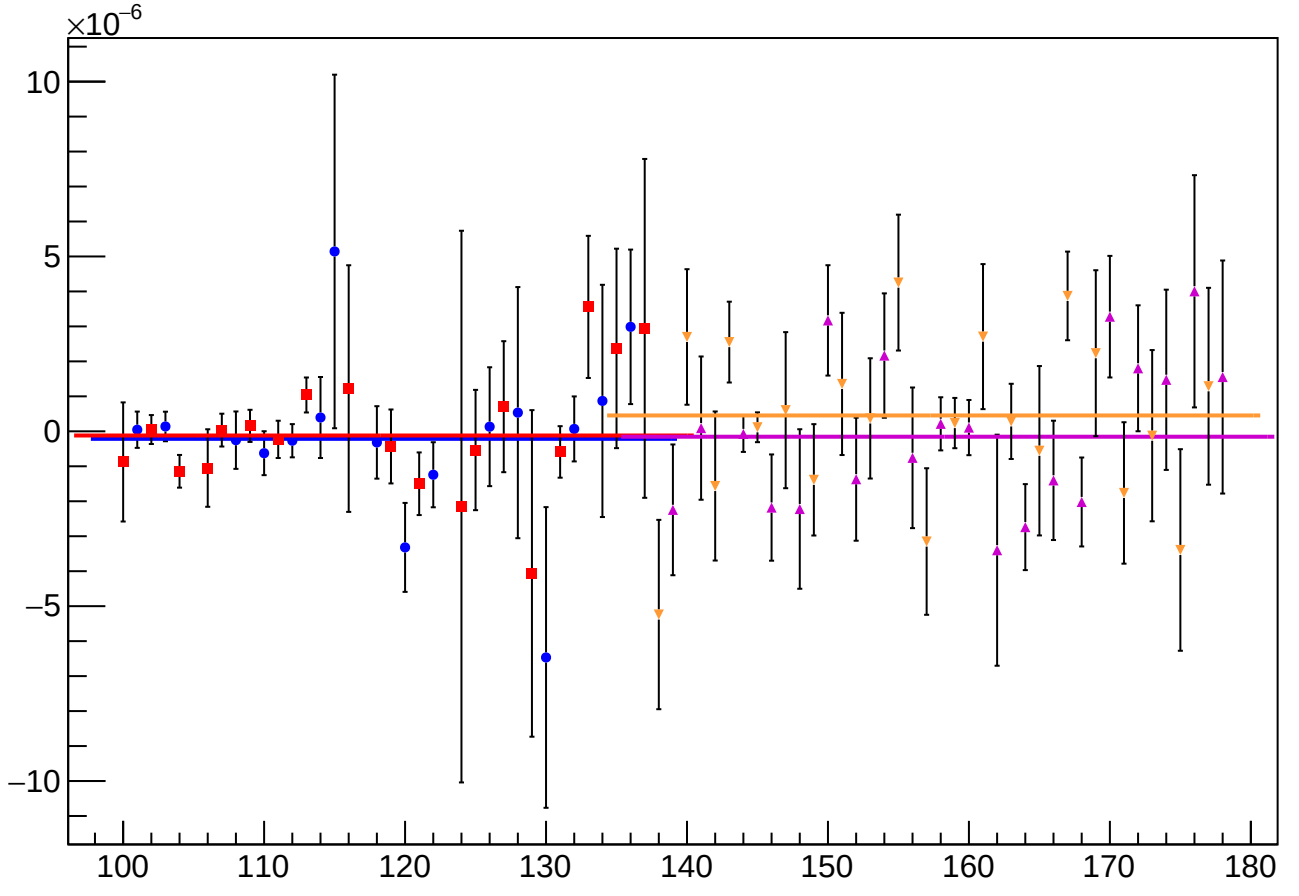
Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 20.307+/-0.004 χ^2/NDF:1783071.4/19

+ sign 18.683+/-0.003 χ^2/NDF: 3397528.1/36

All: 18.798+/-0.002 χ^2/NDF: 6397349.2/75

- sign 18.917+/-0.003 χ^2/NDF: 2996603.2/38



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.3/20

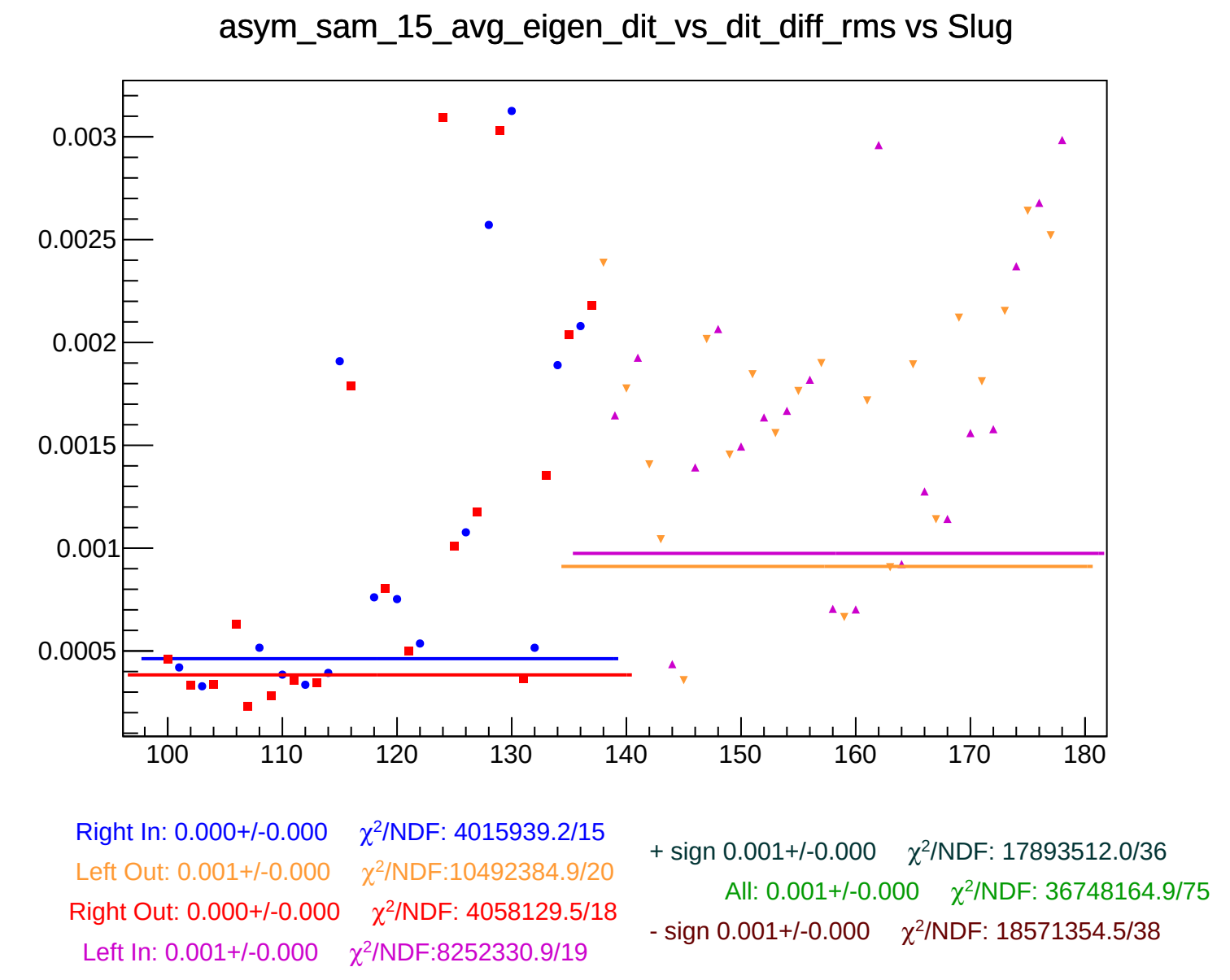
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: -0.000+/-0.000 χ^2/NDF:26.3/19

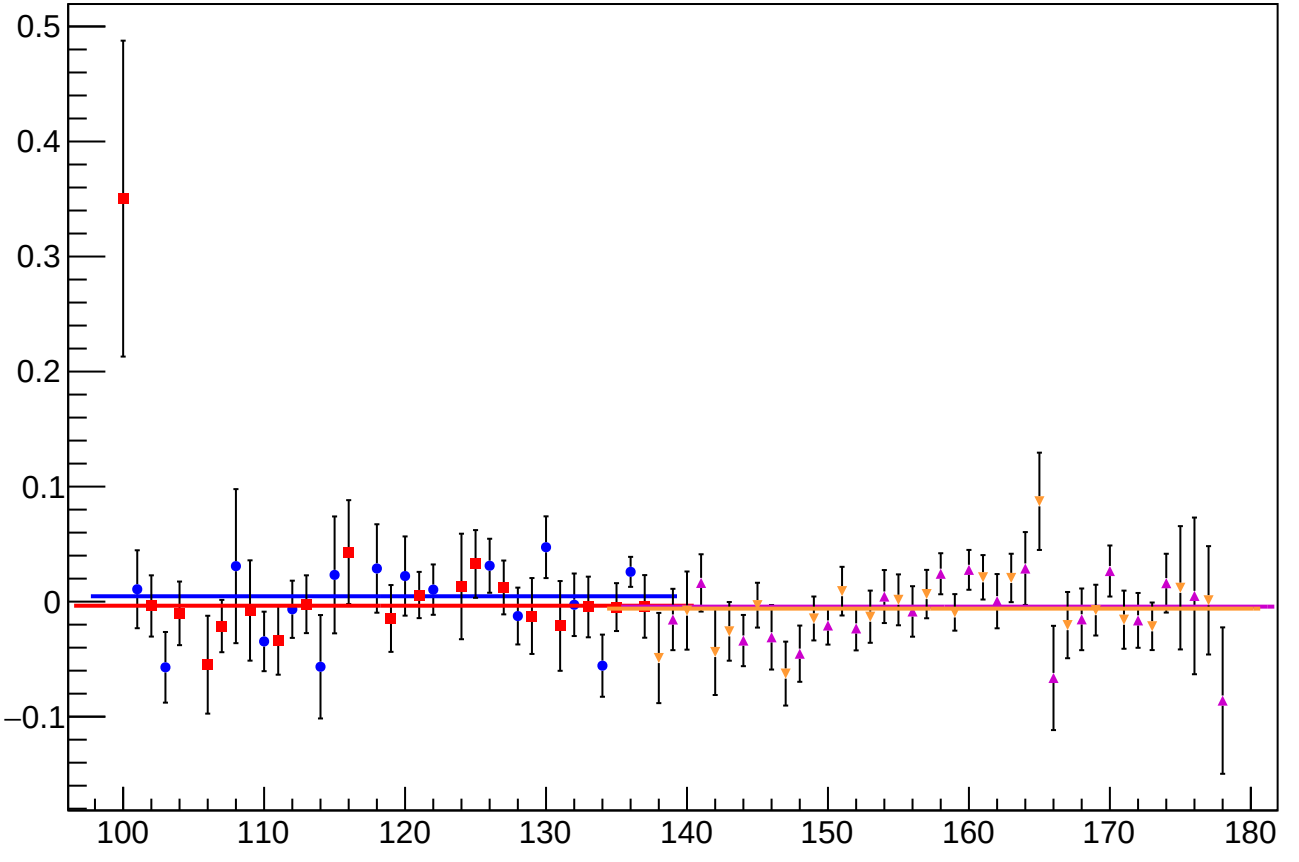
+ sign 0.000+/-0.000 χ^2/NDF: 49.6/36

All: -0.000+/-0.000 χ^2/NDF: 96.6/75

- sign -0.000+/-0.000 χ^2/NDF: 46.6/38


asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 4015939.2/15
Left Out: 0.001+/-0.000 χ²/NDF:10492384.9/20
Right Out: 0.000+/-0.000 χ²/NDF: 4058129.5/18
Left In: 0.001+/-0.000 χ²/NDF:8252330.9/19
+ sign 0.001+/-0.000 χ²/NDF: 17893512.0/36
All: 0.001+/-0.000 χ²/NDF: 36748164.9/75
- sign 0.001+/-0.000 χ²/NDF: 18571354.5/38

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: -0.006+/-0.005 χ^2/NDF:17.9/20

Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

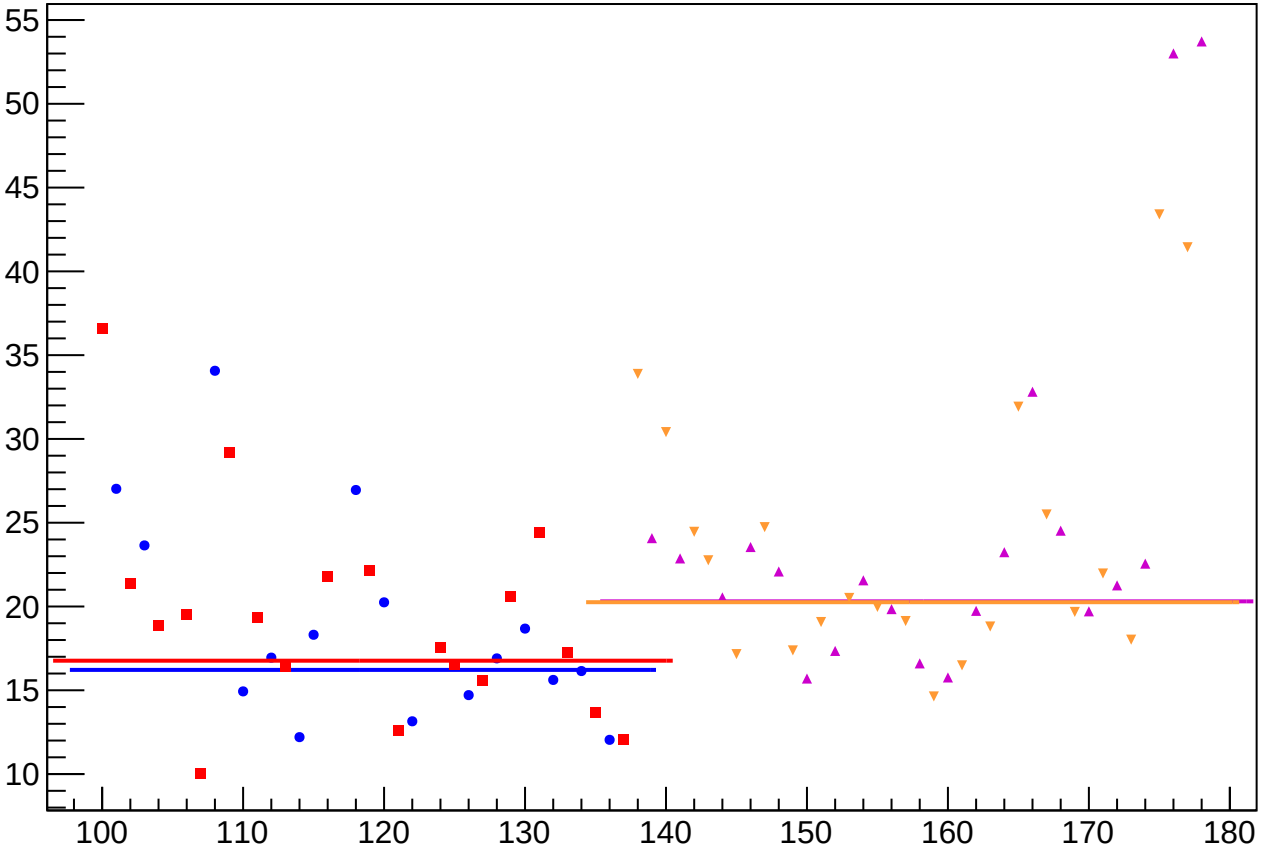
Left In: -0.004+/-0.005 χ^2/NDF:22.1/19

+ sign -0.002+/-0.004 χ^2/NDF: 40.9/36

All: -0.003+/-0.003 χ^2/NDF: 76.8/75

- sign -0.004+/-0.004 χ^2/NDF: 35.7/38

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: 20.257+/-0.004 χ^2/NDF:1991367.5/20

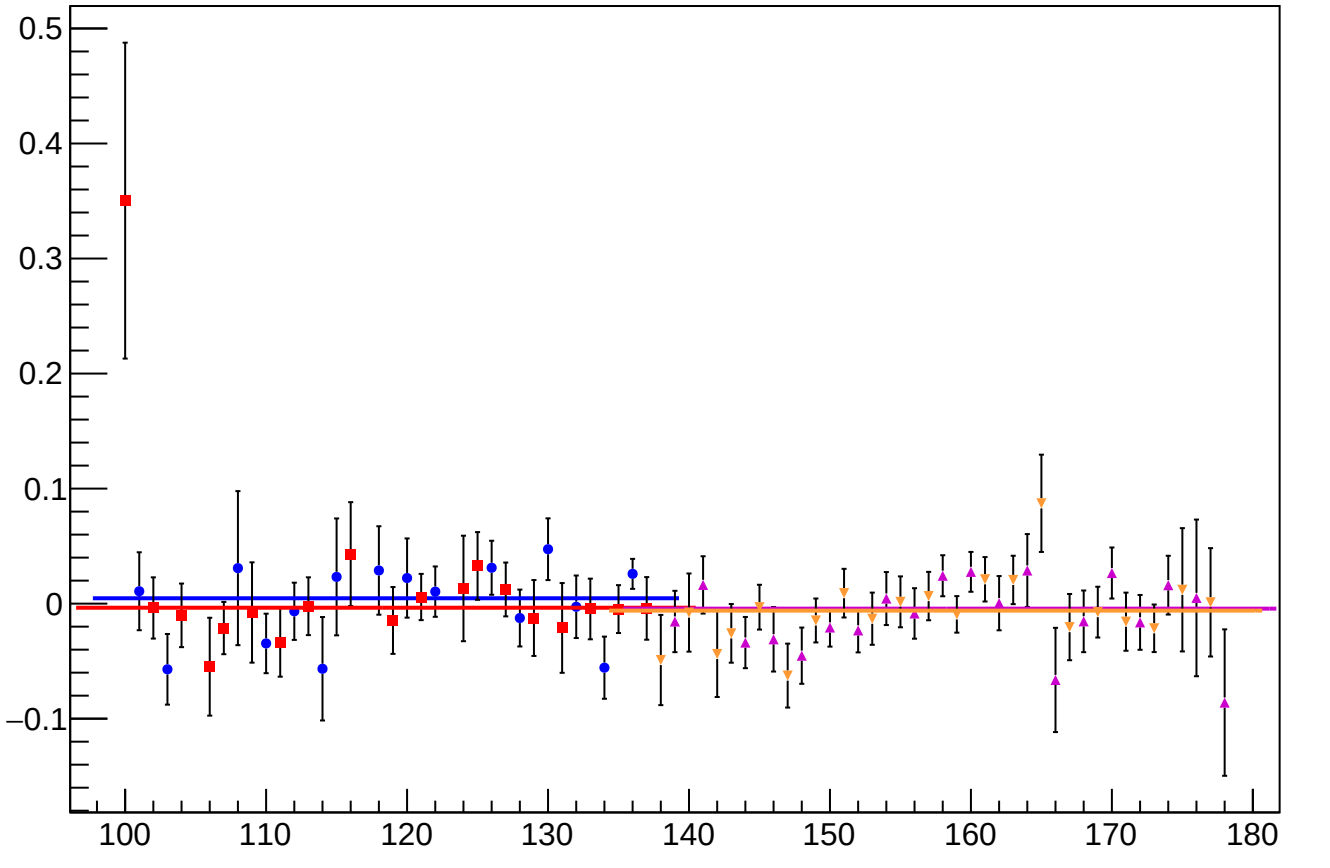
Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 20.307+/-0.004 χ^2/NDF:1783121.0/19

+ sign 18.683+/-0.003 χ^2/NDF: 3397590.3/36

All: 18.798+/-0.002 χ^2/NDF: 6397508.2/75

- sign 18.917+/-0.003 χ^2/NDF: 2996701.3/38



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:17.9/20

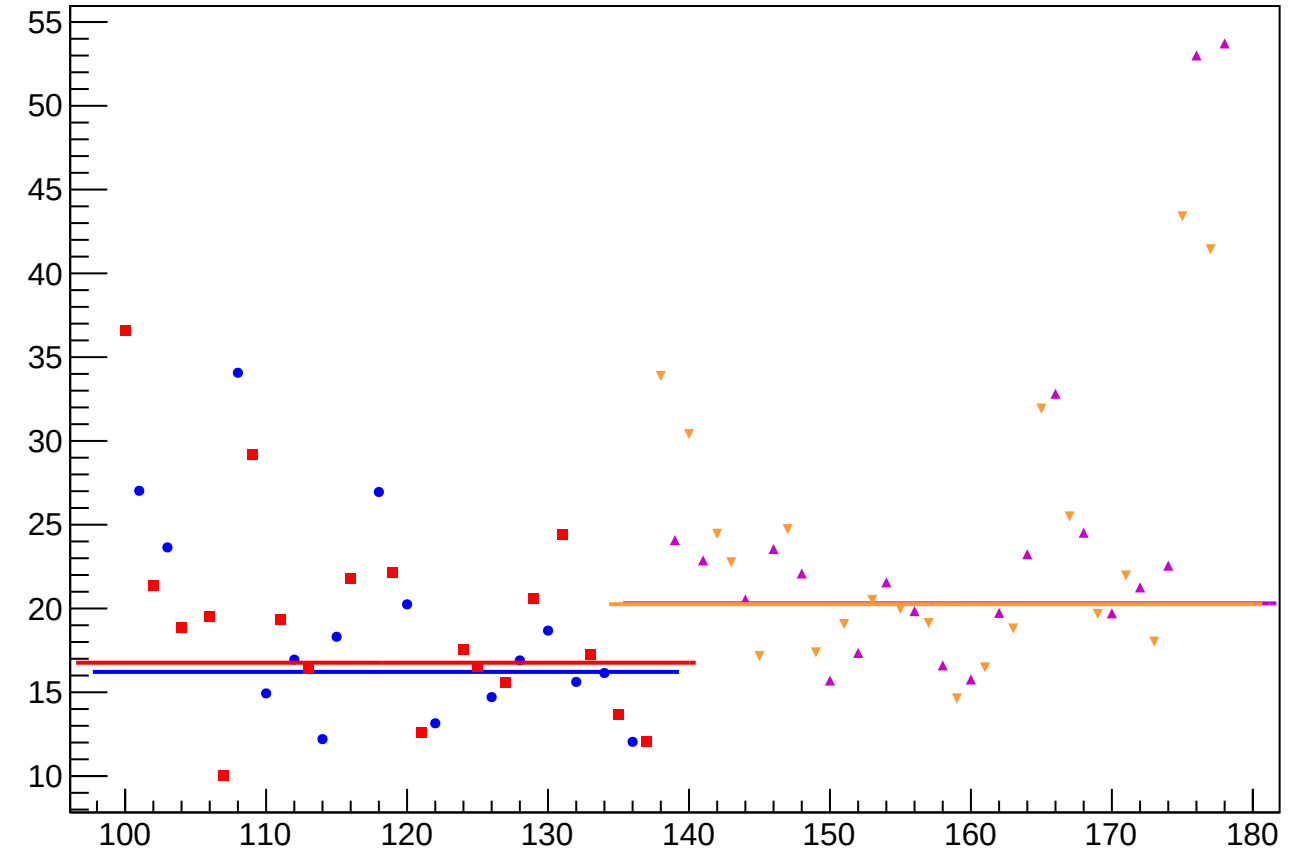
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.004+/-0.005 χ^2/NDF:22.1/19

+ sign -0.002+/-0.004 χ^2/NDF: 40.9/36

All: -0.003+/-0.003 χ^2/NDF: 76.8/75

- sign -0.004+/-0.004 χ^2/NDF: 35.7/38



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 20.257+/-0.004 χ^2/NDF:1991367.5/20

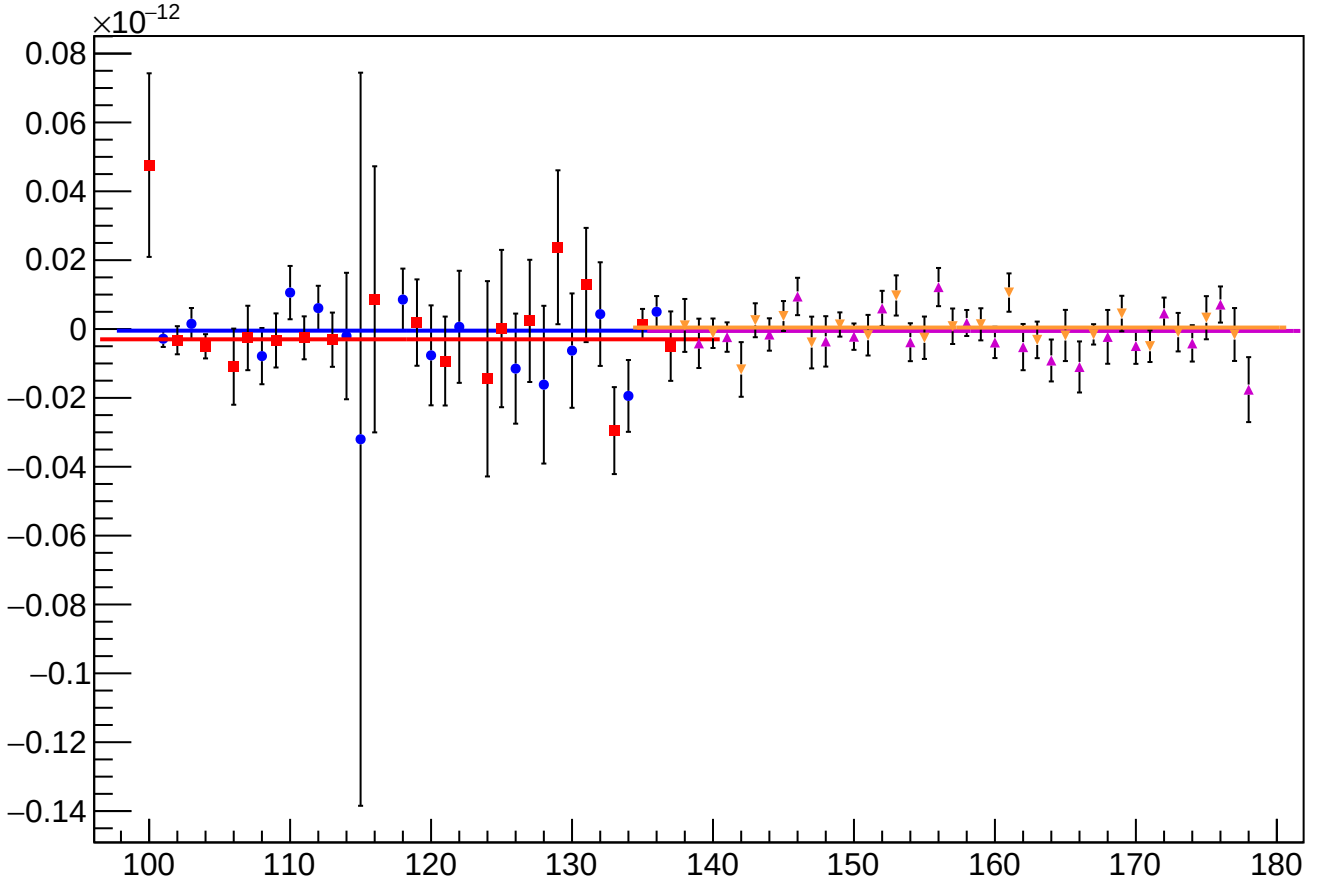
Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 20.307+/-0.004 χ^2/NDF:1783121.0/19

+ sign 18.683+/-0.003 χ^2/NDF: 3397590.3/36

All: 18.798+/-0.002 χ^2/NDF: 6397508.2/75

- sign 18.917+/-0.003 χ^2/NDF: 2996701.3/38



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.3/20

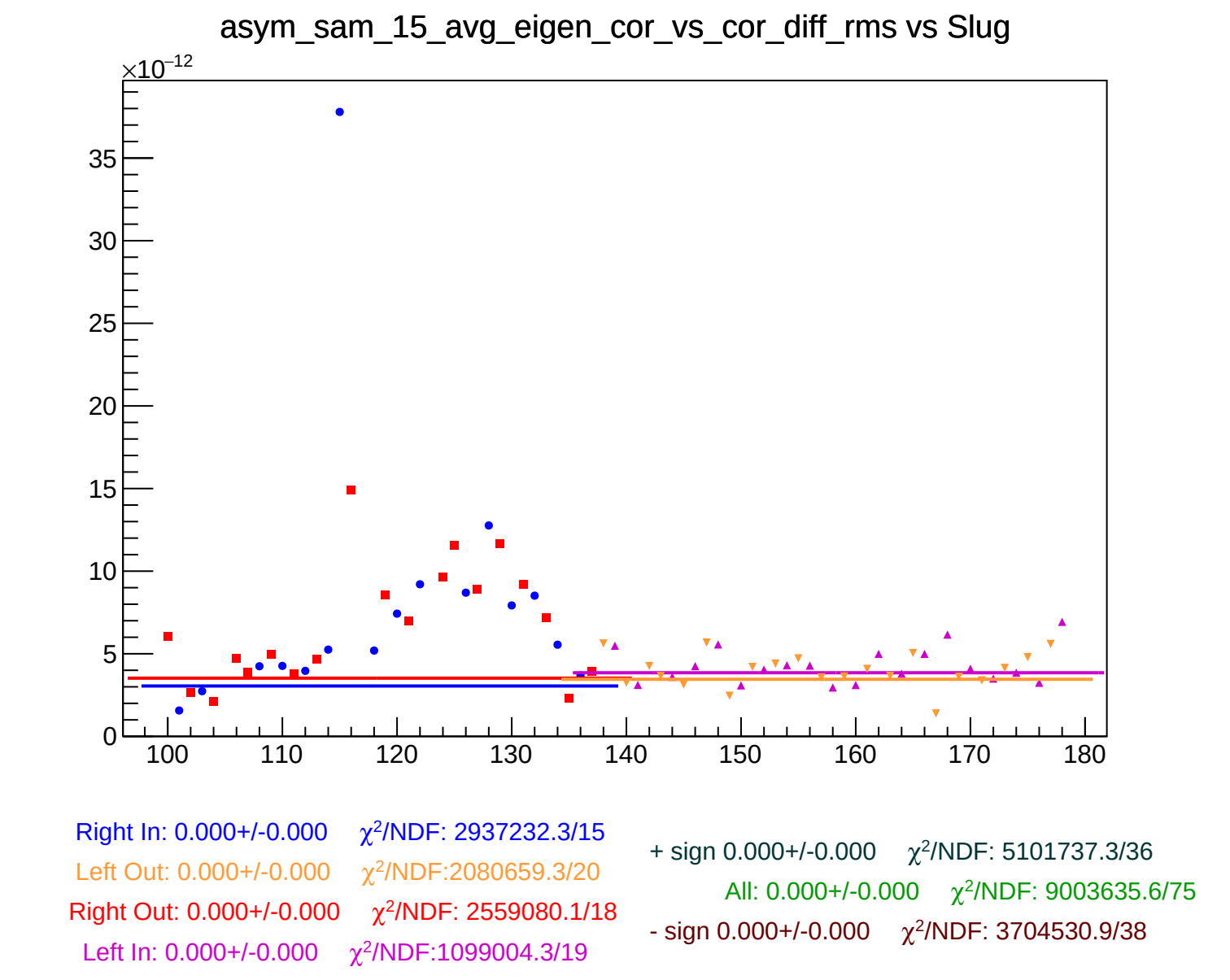
Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:24.8/19

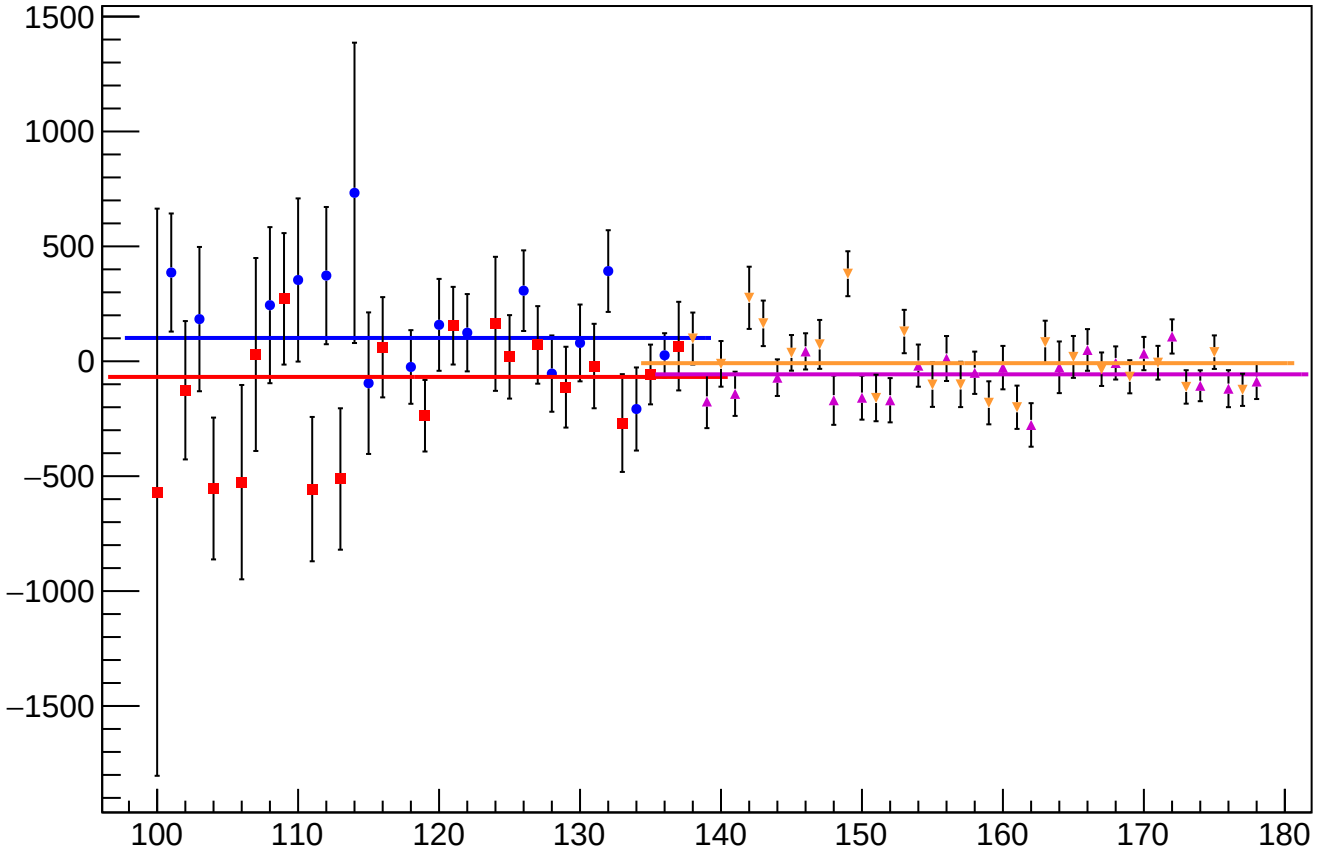
+ sign 0.000+/-0.000 χ^2/NDF: 25.8/36

All: -0.000+/-0.000 χ^2/NDF: 66.0/75

- sign -0.000+/-0.000 χ^2/NDF: 39.1/38


asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
35
30
25
20
15
10
5
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2937232.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2080659.3/20
Right Out: 0.000+/-0.000 χ²/NDF: 2559080.1/18
Left In: 0.000+/-0.000 χ²/NDF:1099004.3/19
+ sign 0.000+/-0.000 χ²/NDF: 5101737.3/36
All: 0.000+/-0.000 χ²/NDF: 9003635.6/75
- sign 0.000+/-0.000 χ²/NDF: 3704530.9/38

reg_asym_sam_26_avg_mean vs Slug



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: -8.234+/-19.168 χ^2/NDF:45.9/20

Right Out: -68.108+/-49.327 χ^2/NDF: 16.1/18

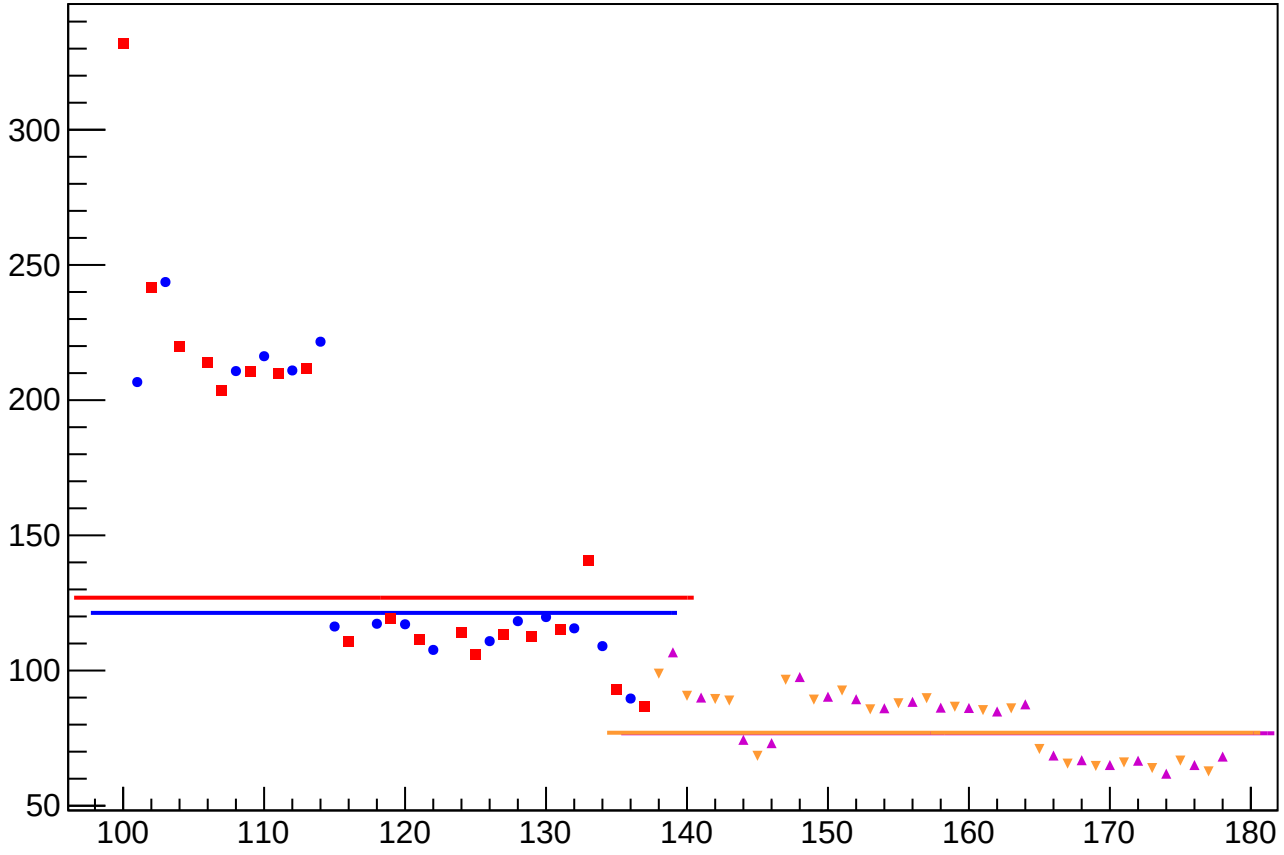
Left In: -56.819+/-19.315 χ^2/NDF:22.9/19

+ sign 7.055+/-17.782 χ^2/NDF: 63.8/36

All: -25.261+/-12.645 χ^2/NDF: 109.6/75

- sign -58.320+/-17.985 χ^2/NDF: 39.1/38

reg_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 77.004+/-0.014 χ^2/NDF:808463.8/20

Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

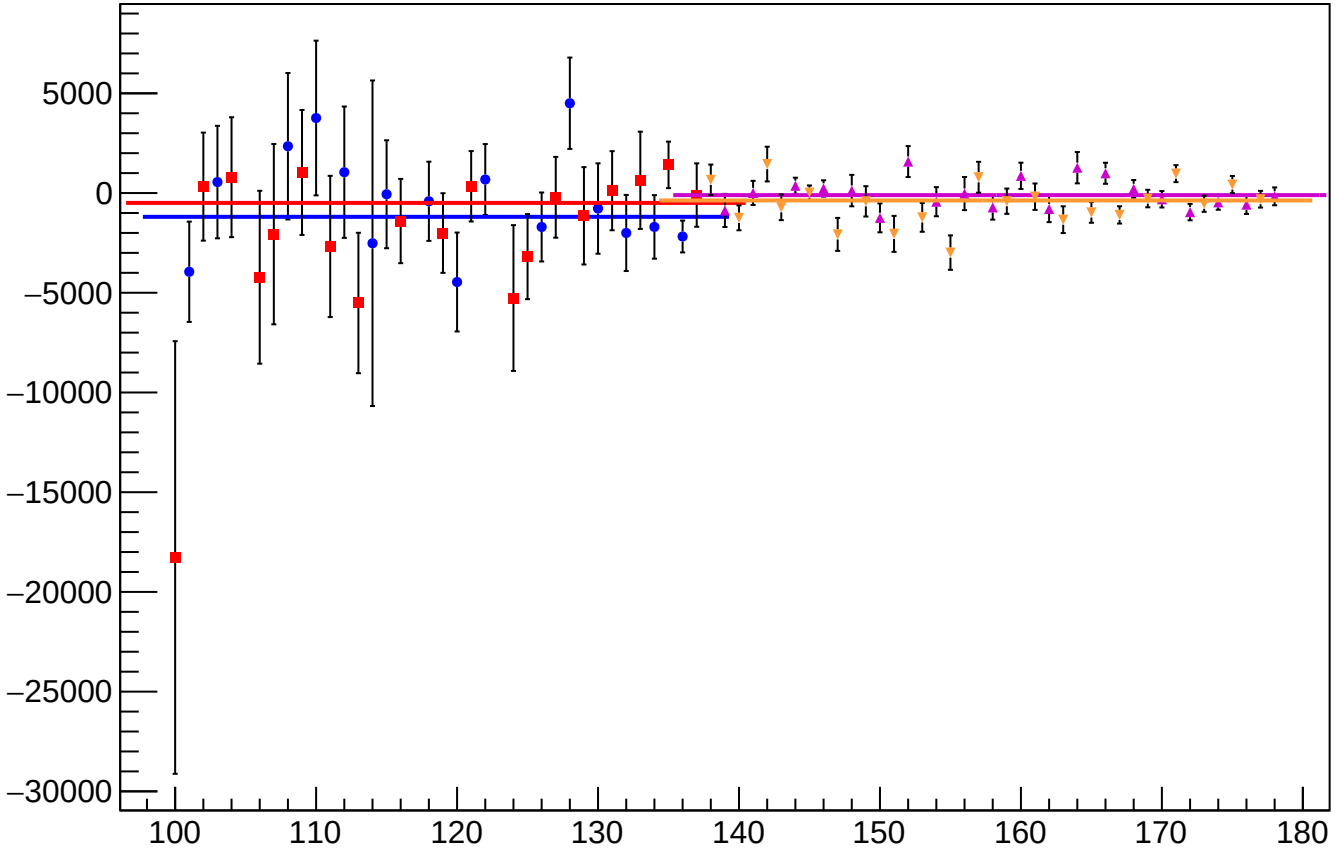
Left In: 76.798+/-0.014 χ^2/NDF:759117.3/19

+ sign 83.181+/-0.013 χ^2/NDF: 3585505.4/36

All: 83.321+/-0.009 χ^2/NDF: 7608648.9/75

- sign 83.465+/-0.013 χ^2/NDF: 4022892.1/38

asym_sam_26_avg_reg_correction_mean vs Slug



Right In: -1192.168+/-478.908 χ^2/NDF: 15.9/15

Left Out: -371.888+/-120.547 χ^2/NDF:50.0/20

Right Out: -494.627+/-521.756 χ^2/NDF: 13.9/18

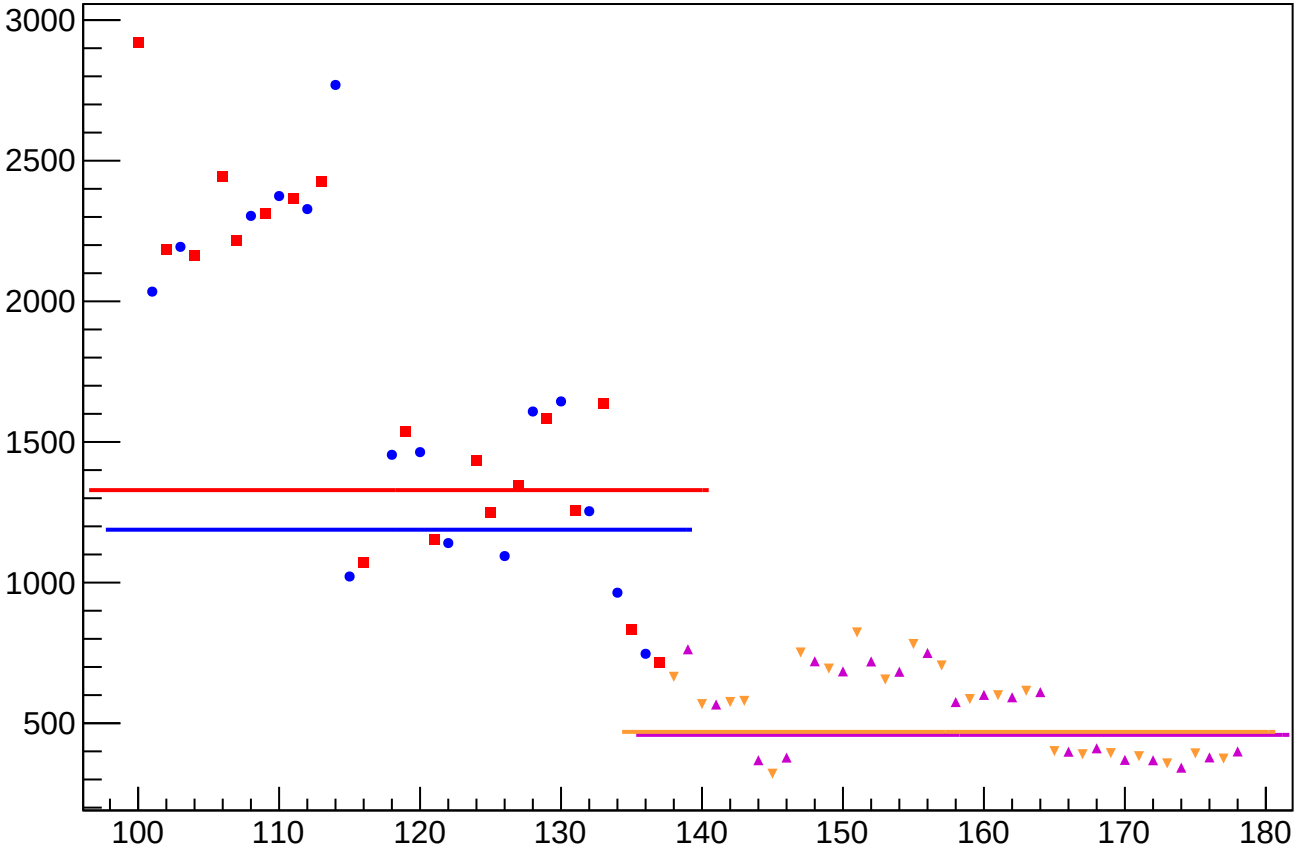
Left In: -104.782+/-118.702 χ^2/NDF:29.1/19

+ sign -420.764+/-116.900 χ^2/NDF: 68.7/36

All: -270.891+/-82.249 χ^2/NDF: 115.5/75

- sign -123.967+/-115.745 χ^2/NDF: 43.5/38

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044635.7/15

Left Out: 469.269+/-0.085 χ^2/NDF:2703456.6/20

Right Out: 1328.816+/-0.369 χ^2/NDF: 1957758.3/18

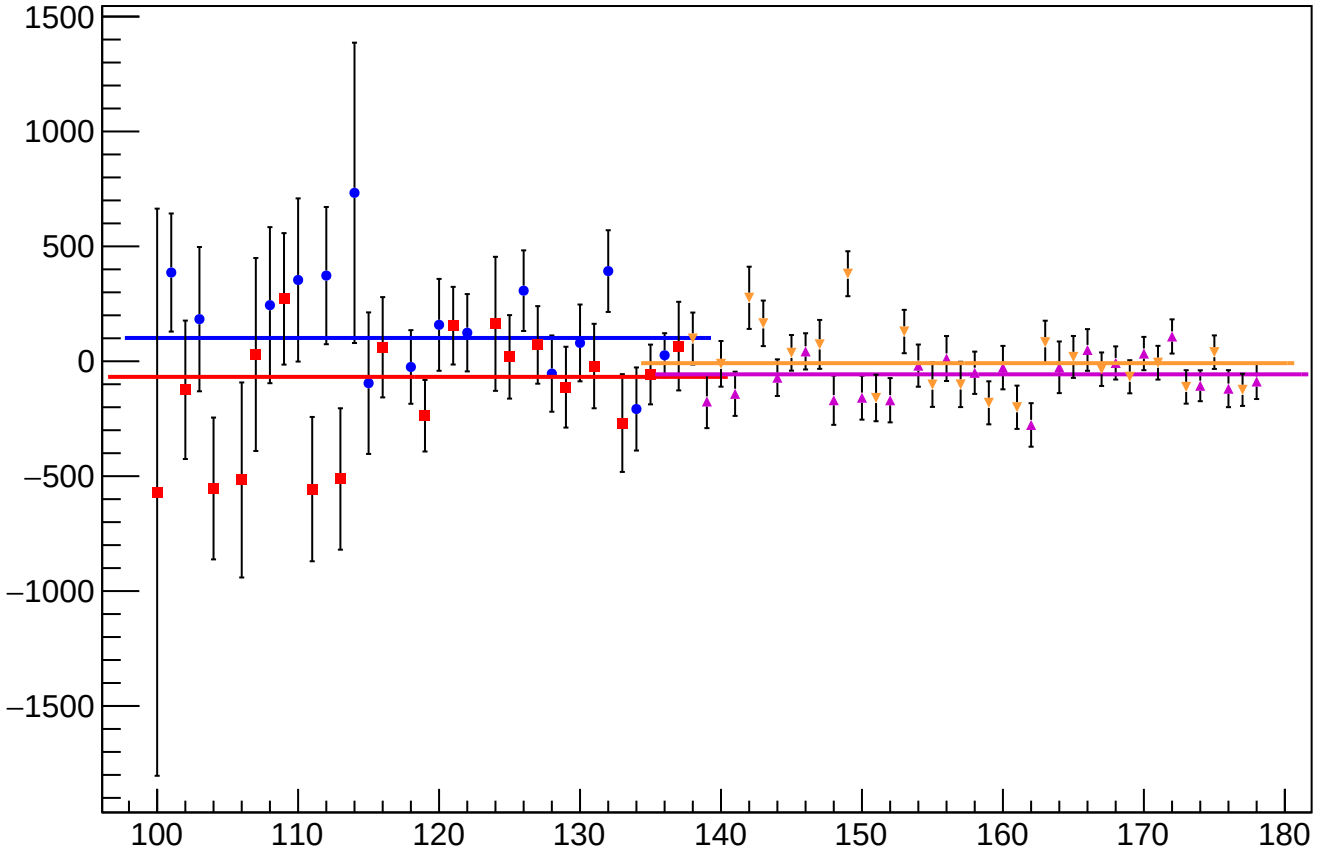
Left In: 458.621+/-0.084 χ^2/NDF:2435845.0/19

+ sign 512.098+/-0.083 χ^2/NDF: 8985129.6/36

All: 506.718+/-0.058 χ^2/NDF: 18676608.9/75

- sign 501.444+/-0.082 χ^2/NDF: 9683090.9/38

cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: -8.234+/-19.168 χ^2/NDF:45.9/20

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

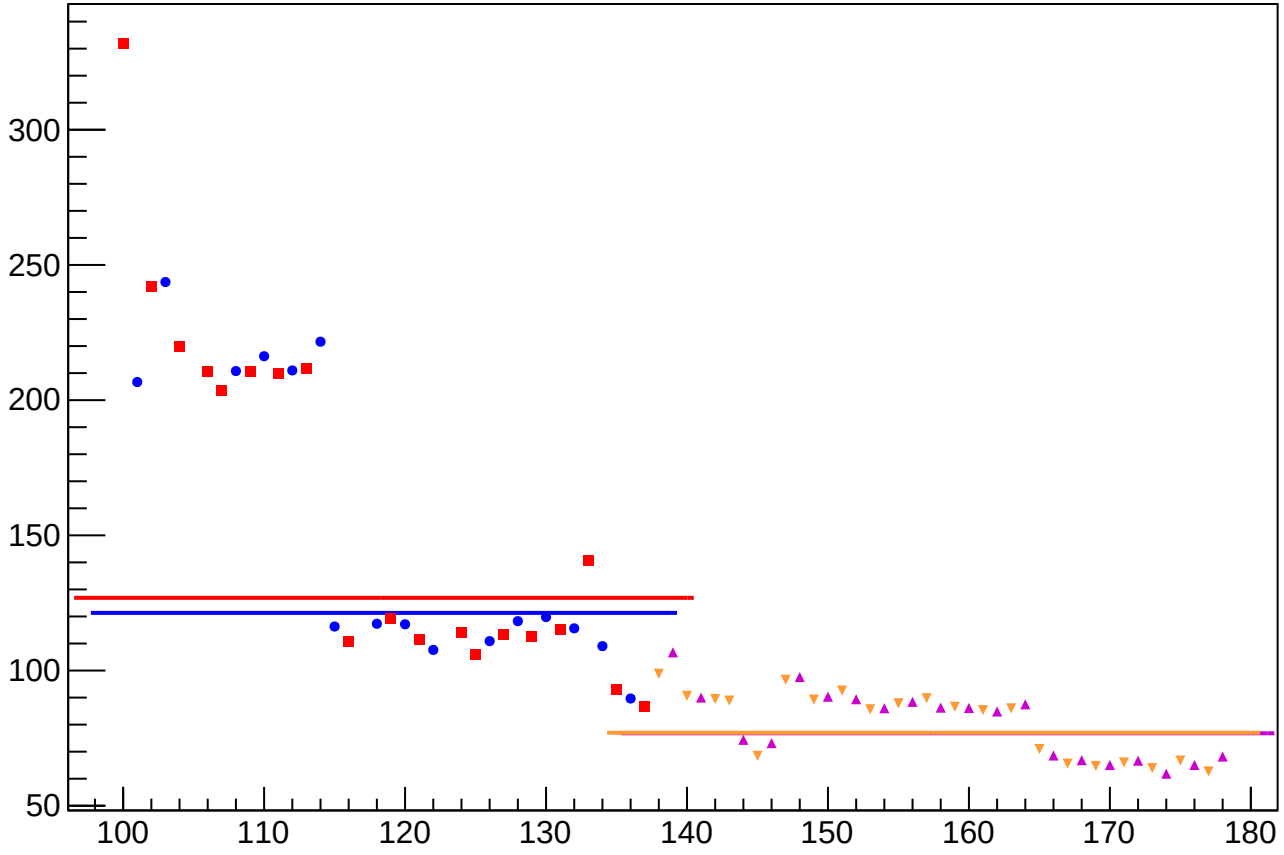
Left In: -56.817+/-19.315 χ^2/NDF:22.9/19

+ sign 7.052+/-17.782 χ^2/NDF: 63.8/36

All: -25.246+/-12.645 χ^2/NDF: 109.5/75

- sign -58.288+/-17.985 χ^2/NDF: 39.0/38

cor_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 77.004+/-0.014 χ^2/NDF:808463.8/20

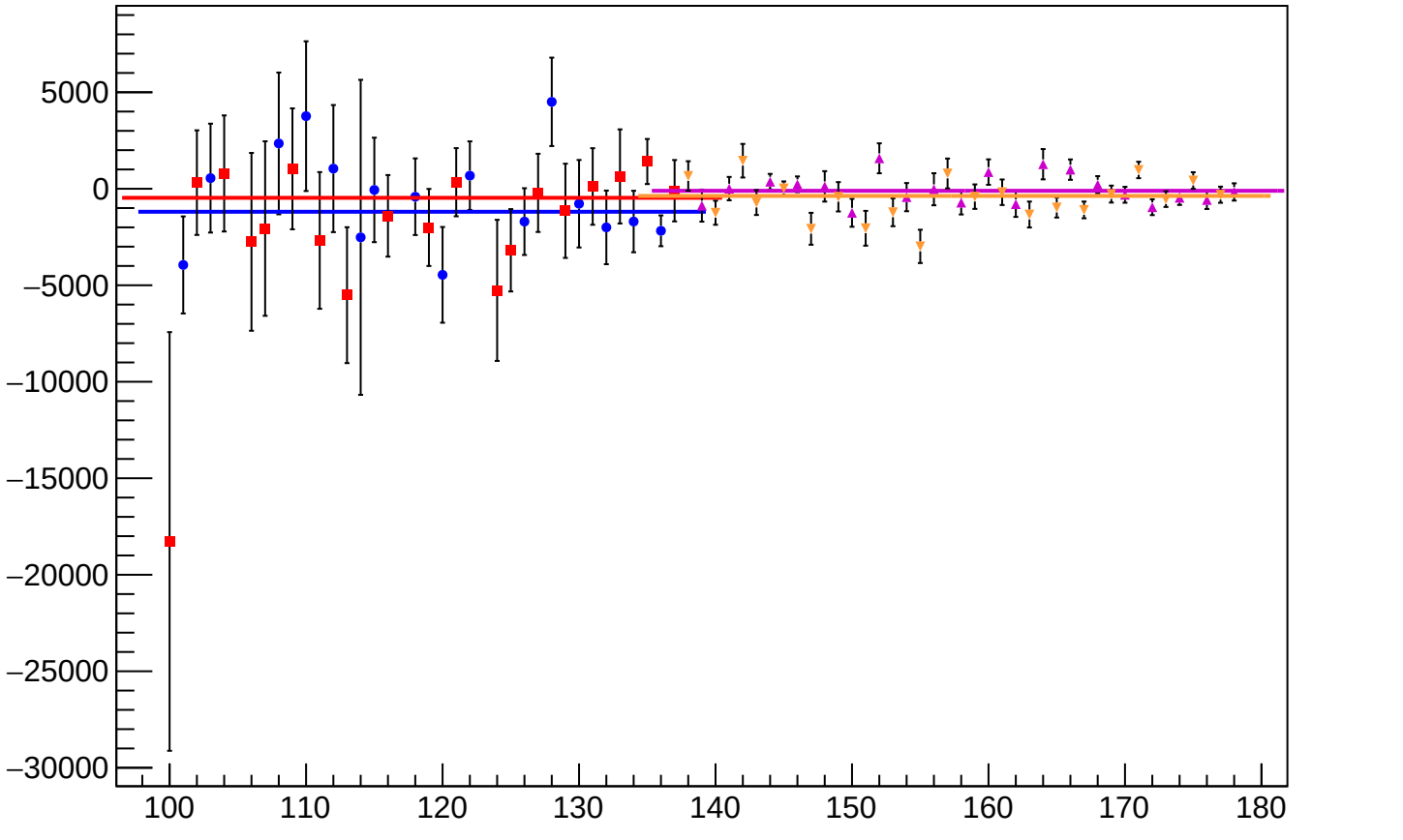
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 76.798+/-0.014 χ^2/NDF:759117.3/19

\+ sign 83.181+/-0.013 χ^2/NDF: 3585507.4/36

All: 83.318+/-0.009 χ^2/NDF: 7598757.5/75

\- sign 83.457+/-0.013 χ^2/NDF: 4013011.6/38



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -371.886+/-120.547 χ^2/NDF:50.0/20

Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

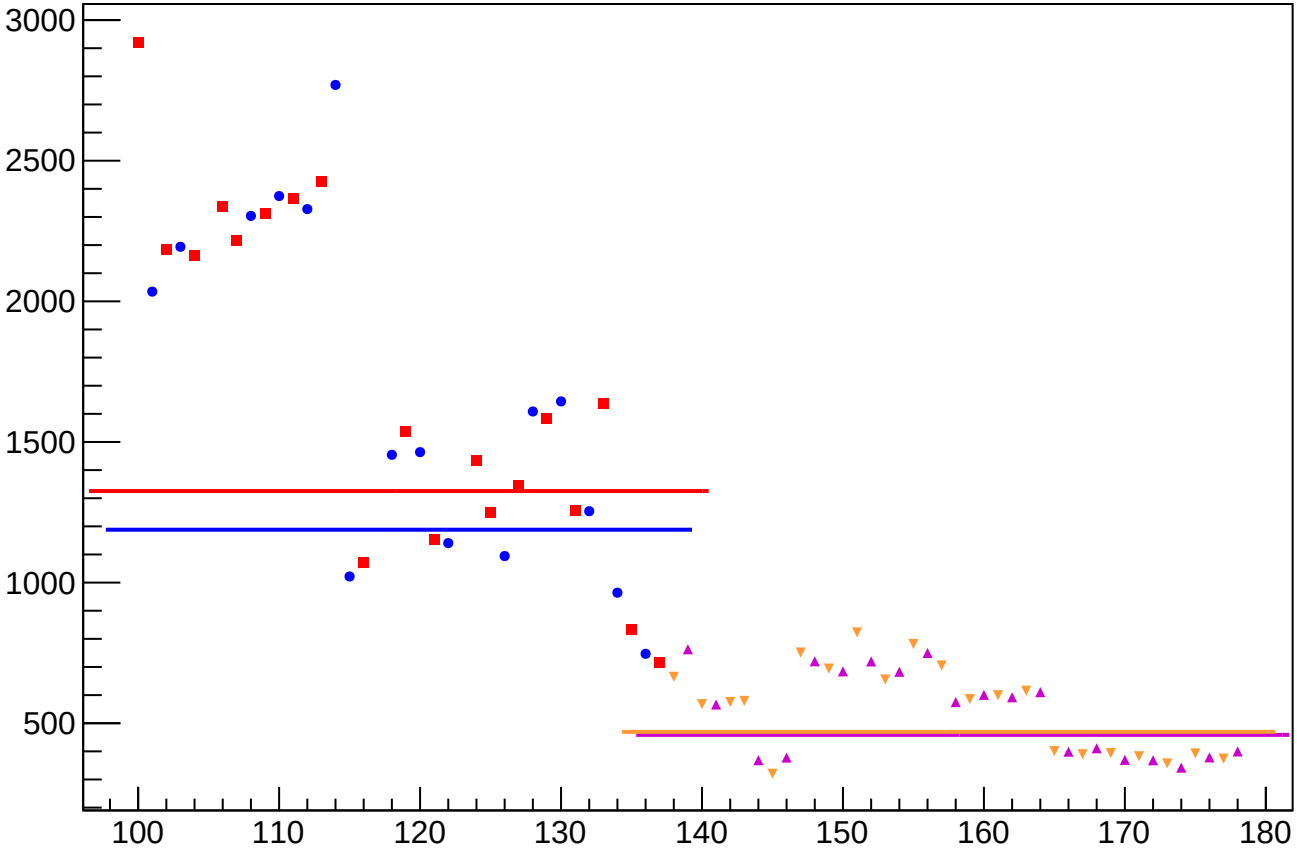
Left In: -104.782+/-118.702 χ^2/NDF:29.1/19

+ sign -420.760+/-116.900 χ^2/NDF: 68.7/36

All: -270.262+/-82.251 χ^2/NDF: 114.9/75

- sign -122.713+/-115.749 χ^2/NDF: 42.9/38

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 469.269+/-0.085 χ^2/NDF:2703465.7/20

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

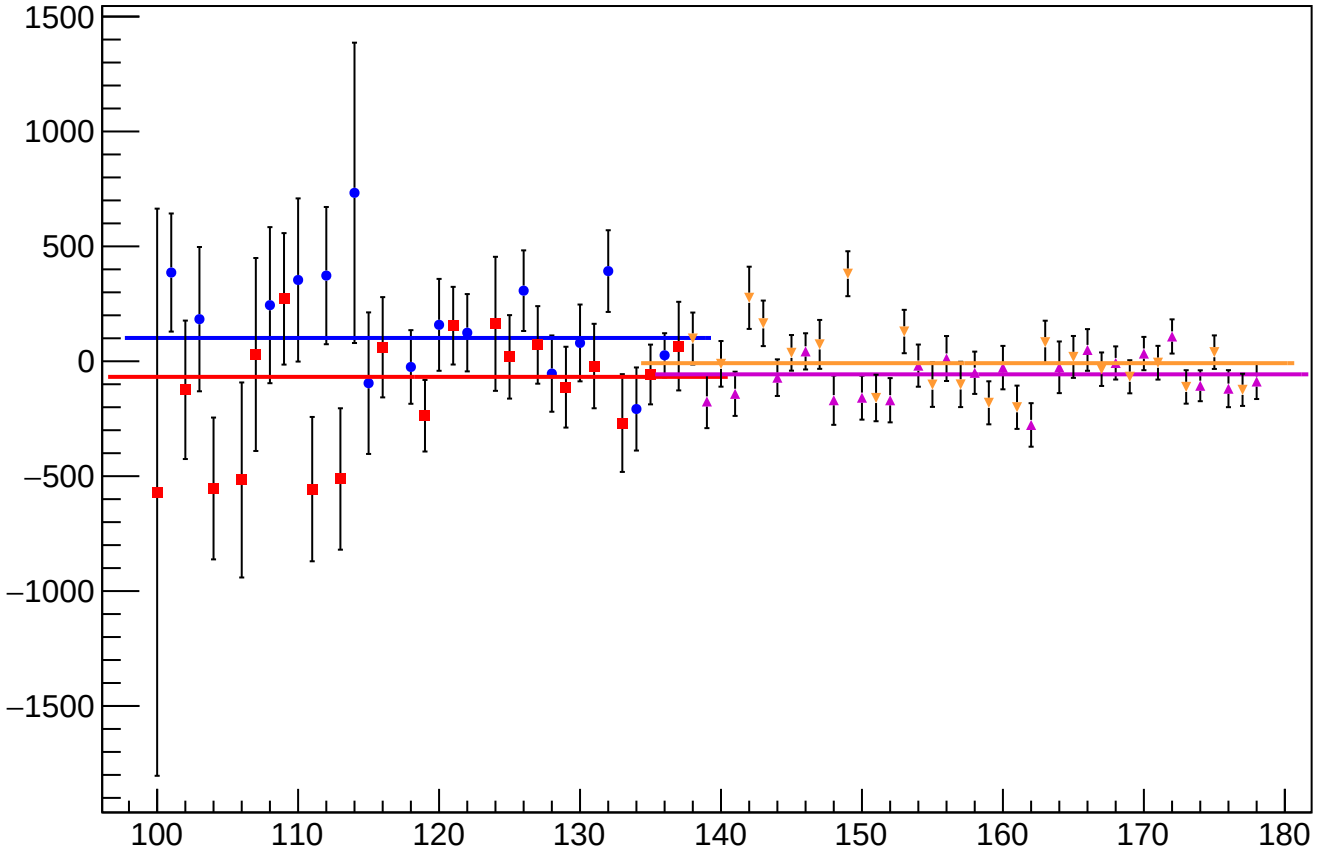
Left In: 458.620+/-0.084 χ^2/NDF:2435849.9/19

+ sign 512.098+/-0.083 χ^2/NDF: 8985160.7/36

All: 506.602+/-0.058 χ^2/NDF: 18592220.7/75

- sign 501.215+/-0.082 χ^2/NDF: 9598307.5/38

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: -8.234+/-19.168 χ^2/NDF:45.9/20

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

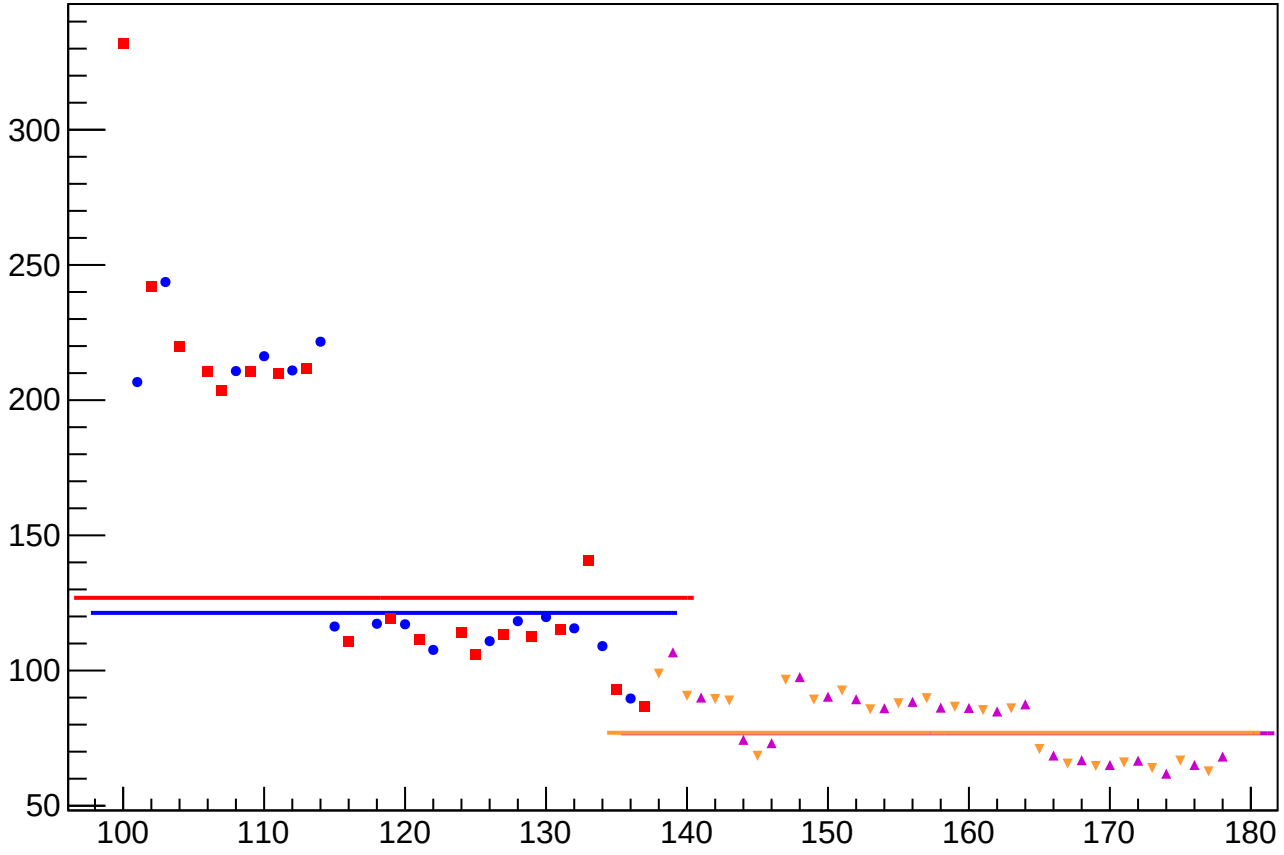
Left In: -56.817+/-19.315 χ^2/NDF:22.9/19

+ sign 7.052+/-17.782 χ^2/NDF: 63.8/36

All: -25.246+/-12.645 χ^2/NDF: 109.5/75

- sign -58.288+/-17.985 χ^2/NDF: 39.0/38

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 77.004+/-0.014 χ^2/NDF:808463.8/20

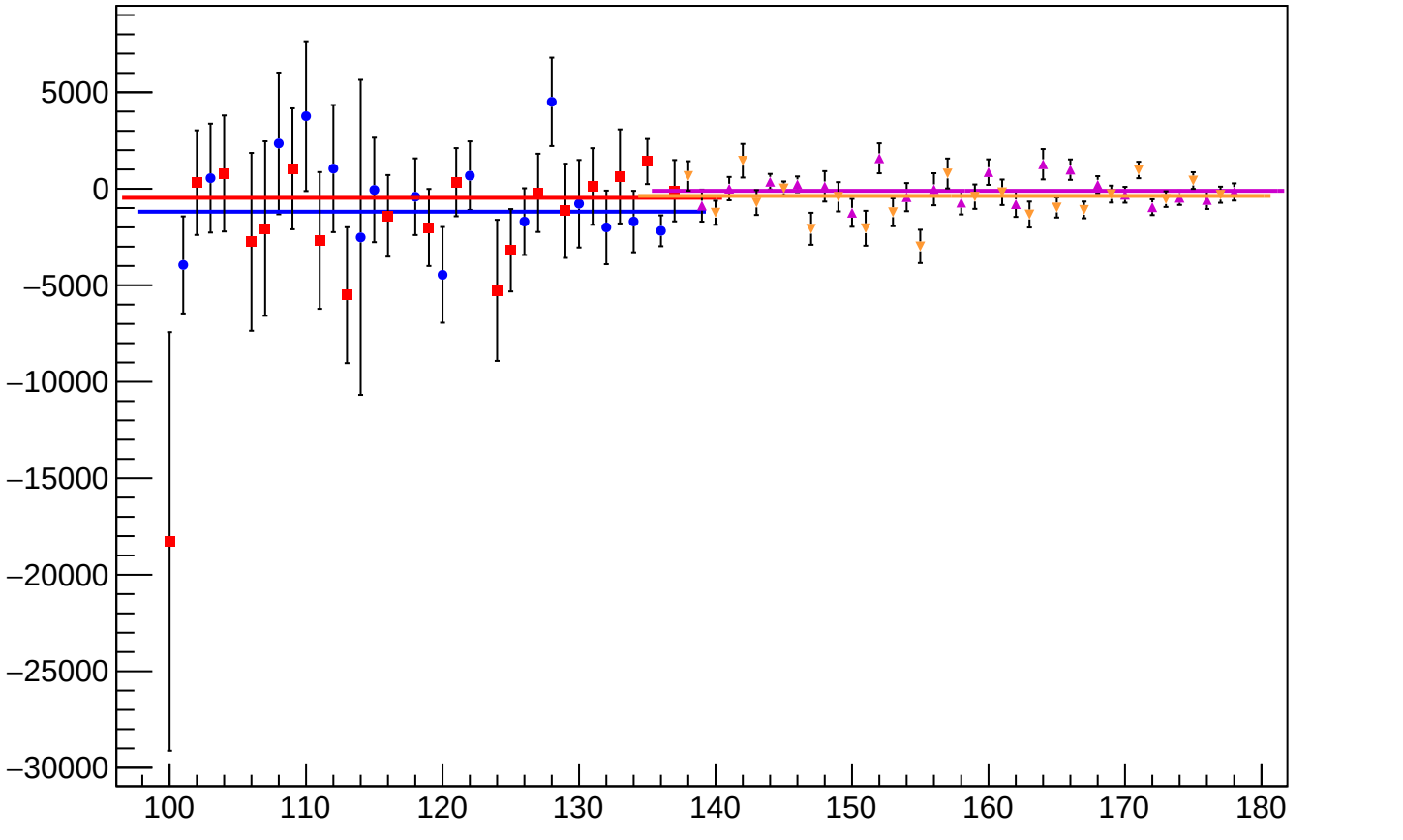
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 76.798+/-0.014 χ^2/NDF:759117.3/19

\+ sign 83.181+/-0.013 χ^2/NDF: 3585507.4/36

All: 83.318+/-0.009 χ^2/NDF: 7598757.5/75

\- sign 83.457+/-0.013 χ^2/NDF: 4013011.6/38



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -371.886+/-120.547 χ^2/NDF:50.0/20

Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

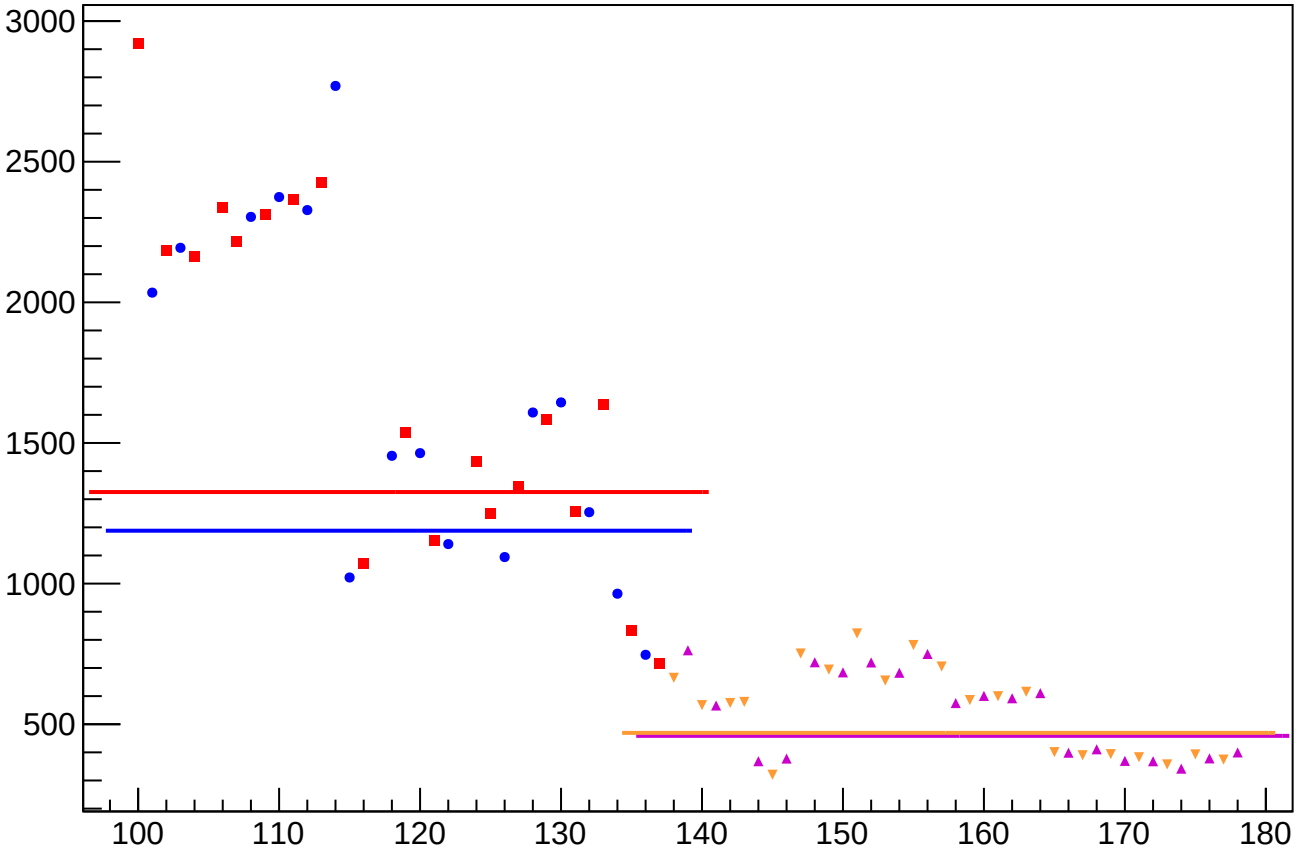
Left In: -104.782+/-118.702 χ^2/NDF:29.1/19

+ sign -420.760+/-116.900 χ^2/NDF: 68.7/36

All: -270.262+/-82.251 χ^2/NDF: 114.9/75

- sign -122.713+/-115.749 χ^2/NDF: 42.9/38

asym_sam_26_avg_eigen_cor_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 469.269+/-0.085 χ^2/NDF:2703465.7/20

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

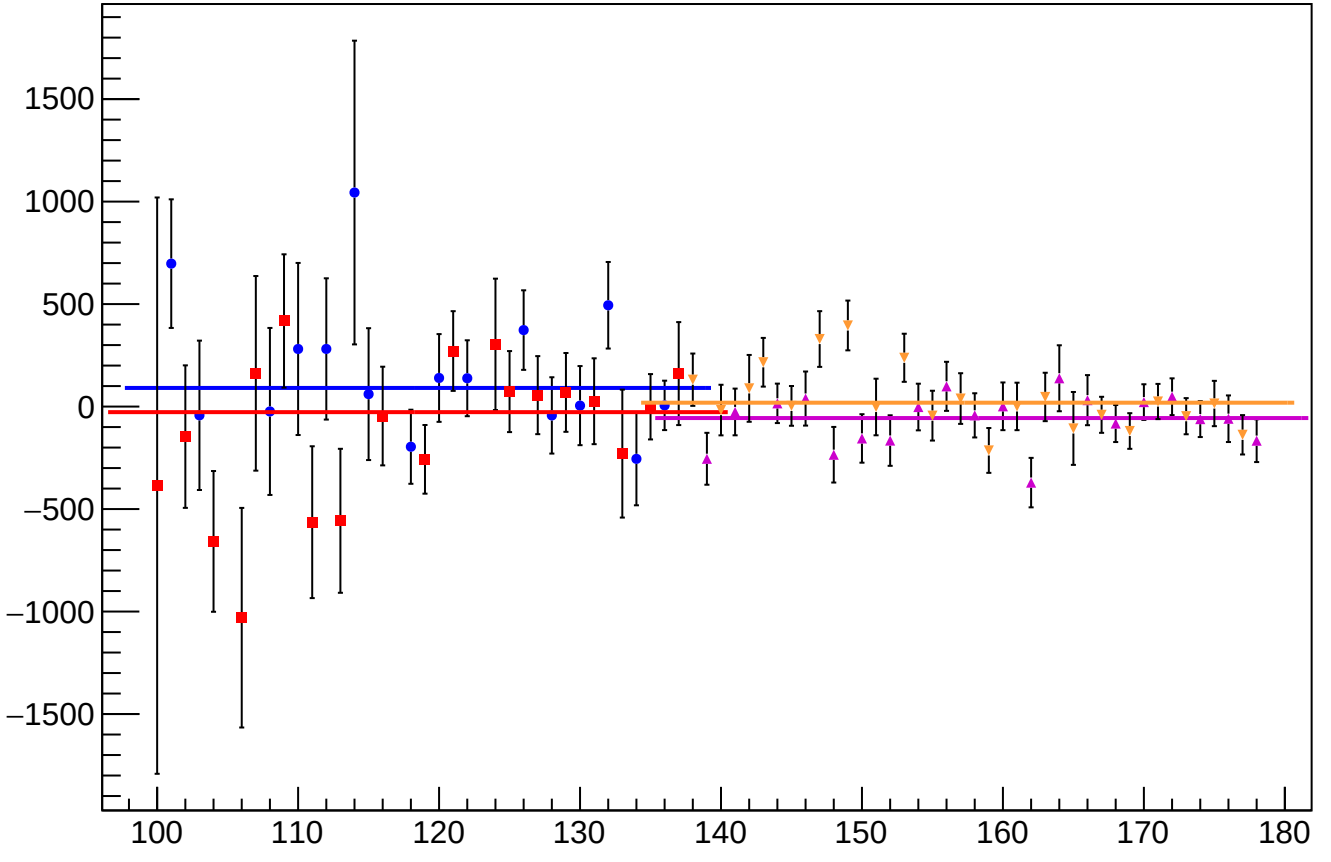
Left In: 458.620+/-0.084 χ^2/NDF:2435849.9/19

+ sign 512.098+/-0.083 χ^2/NDF: 8985160.7/36

All: 506.602+/-0.058 χ^2/NDF: 18592220.7/75

- sign 501.215+/-0.082 χ^2/NDF: 9598307.5/38

dit_asym_sam_26_avg_mean vs Slug



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

Left Out: 18.928+/-24.257 χ^2/NDF:33.8/20

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

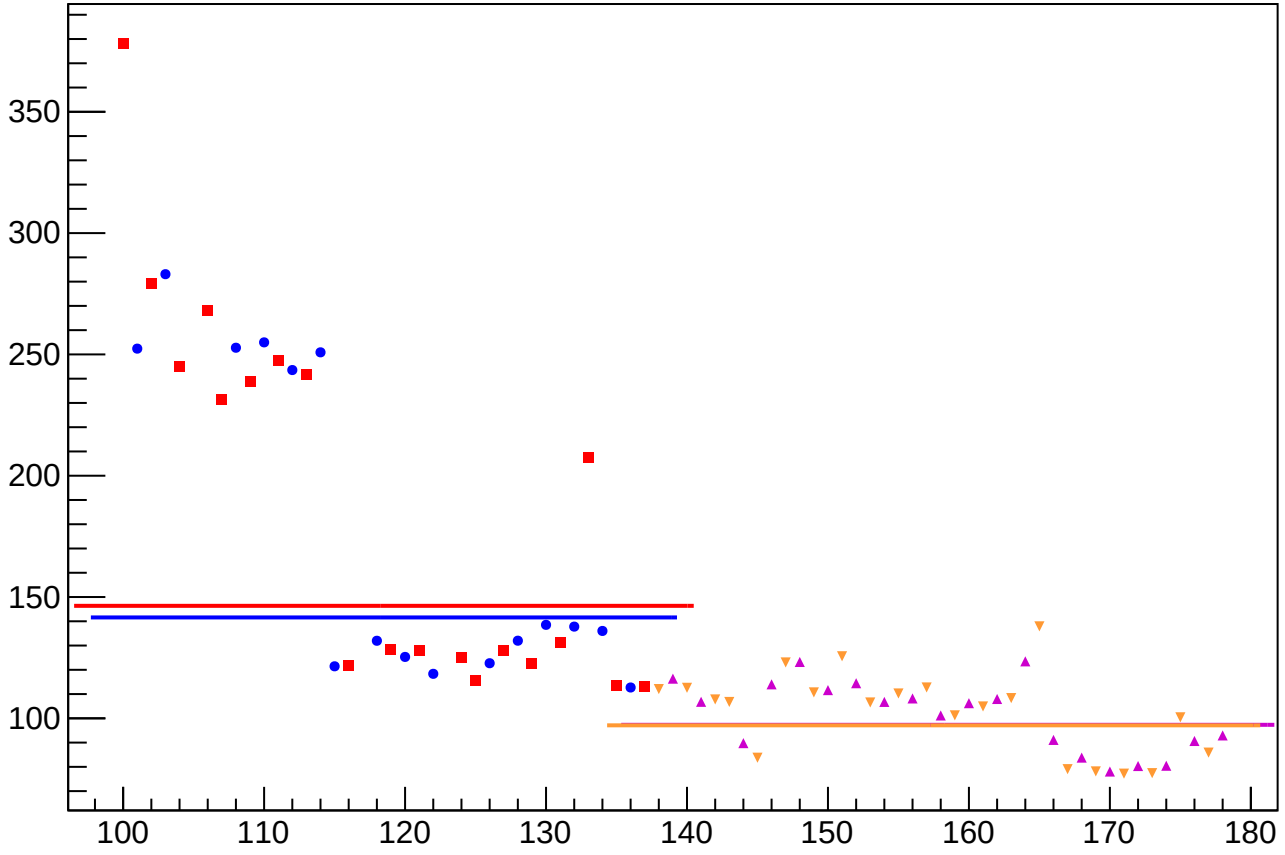
Left In: -56.002+/-24.571 χ^2/NDF:21.1/19

+ sign 30.450+/-22.231 χ^2/NDF: 53.3/36

All: -9.907+/-15.836 χ^2/NDF: 101.9/75

- sign -51.486+/-22.565 χ^2/NDF: 41.9/38

dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 97.114+/-0.017 χ^2/NDF:921116.1/20

Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

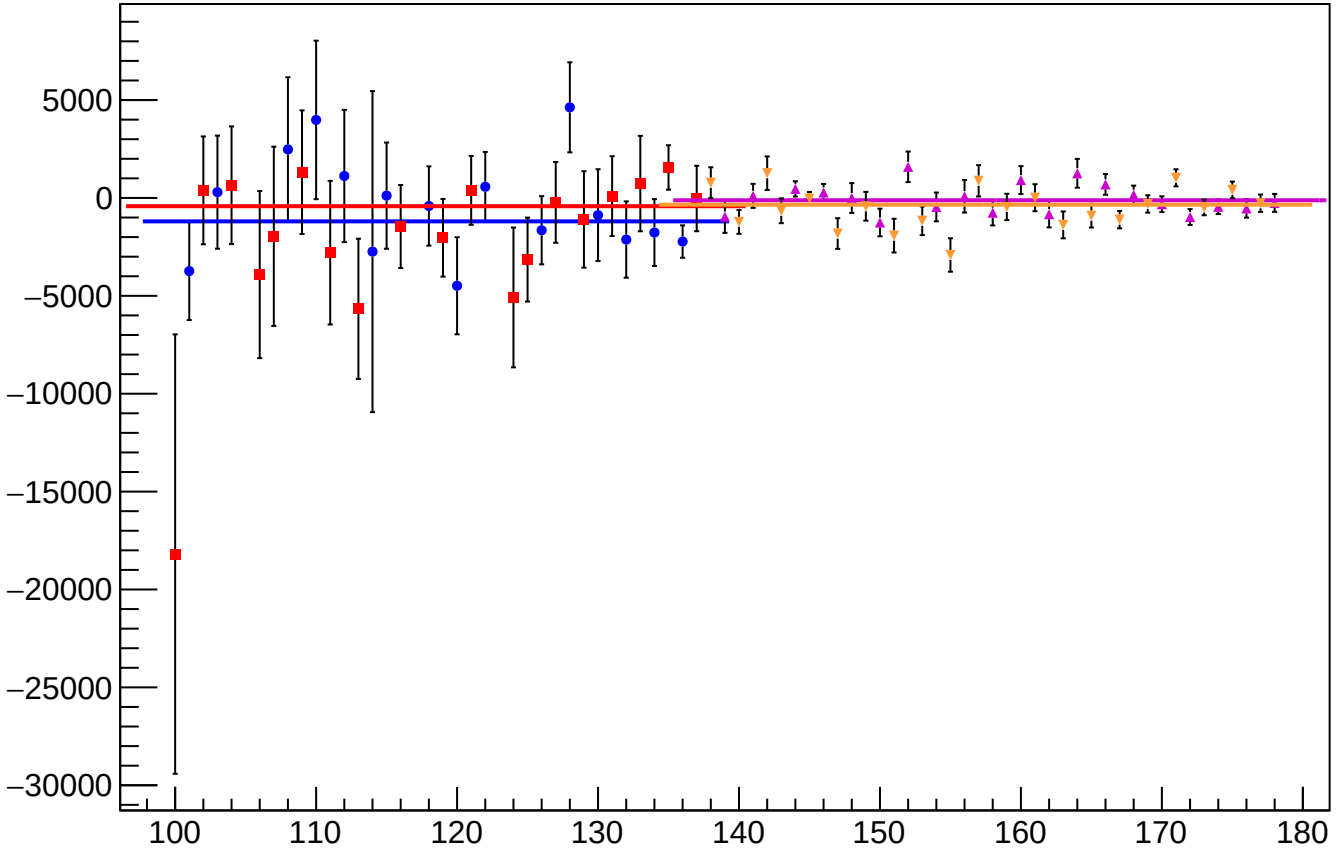
Left In: 97.325+/-0.017 χ^2/NDF:661589.3/19

+ sign 104.232+/-0.016 χ^2/NDF: 3259600.9/36

All: 104.614+/-0.011 χ^2/NDF: 6684085.9/75

- sign 105.007+/-0.016 χ^2/NDF: 3423290.5/38

asym_sam_26_avg_dit_correction_mean vs Slug



Right In: -1196.663+/-491.384 χ^2/NDF: 16.0/15

Left Out: -344.953+/-121.104 χ^2/NDF:48.0/20

Right Out: -422.161+/-523.834 χ^2/NDF: 14.3/18

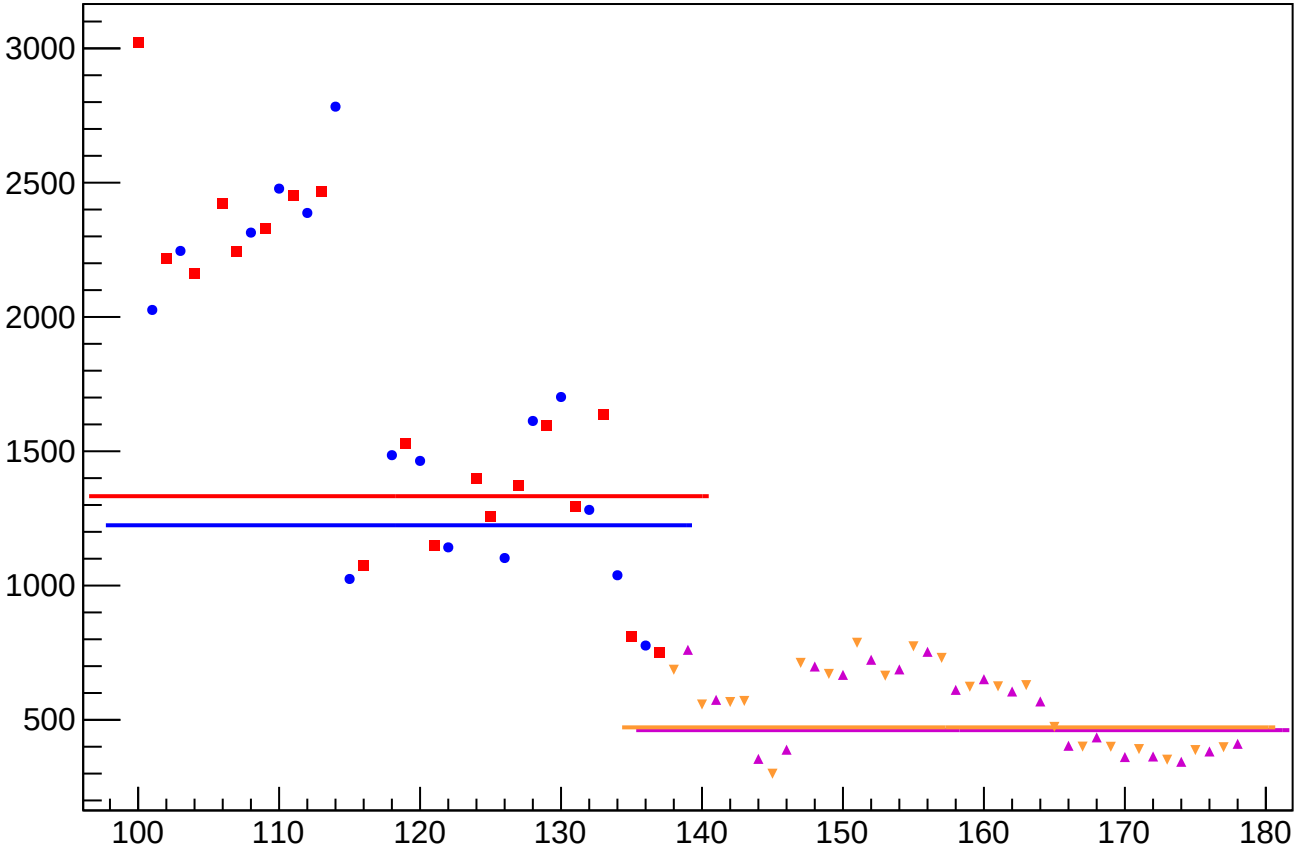
Left In: -118.558+/-119.768 χ^2/NDF:28.6/19

+ sign -393.724+/-117.586 χ^2/NDF: 66.8/36

All: -262.760+/-82.850 χ^2/NDF: 112.4/75

- sign -133.640+/-116.755 χ^2/NDF: 43.2/38

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1224.470+/-0.347 χ^2/NDF: 1959362.3/15

Left Out: 472.067+/-0.086 χ^2/NDF:2786721.4/20

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

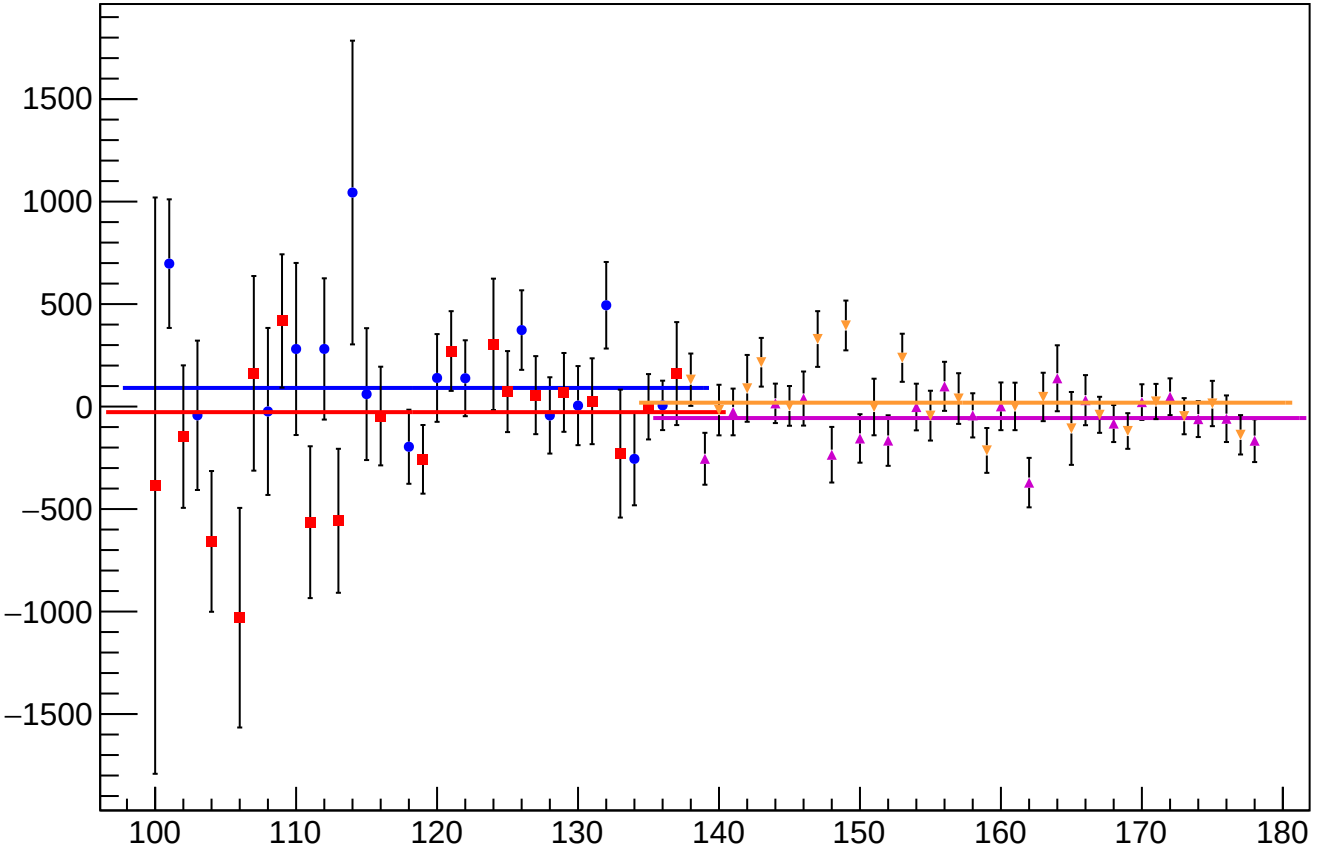
Left In: 461.698+/-0.085 χ^2/NDF:2489045.5/19

+ sign 515.151+/-0.083 χ^2/NDF: 9166678.0/36

All: 510.025+/-0.059 χ^2/NDF: 18913856.3/75

- sign 504.971+/-0.083 χ^2/NDF: 9739630.9/38

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 18.926+/-24.257 χ^2/NDF:33.8/20

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

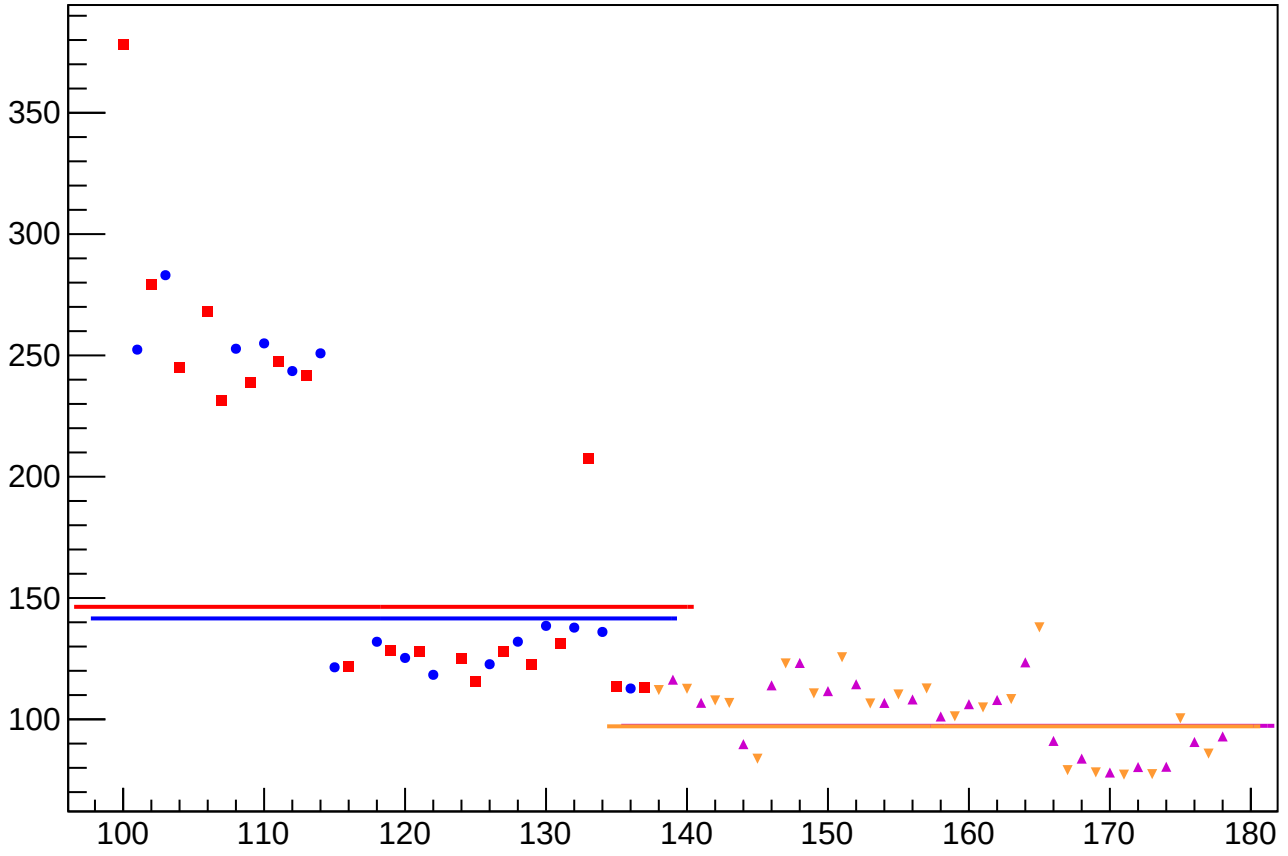
Left In: -56.000+/-24.571 χ^2/NDF:21.1/19

+ sign 30.449+/-22.231 χ^2/NDF: 53.3/36

All: -9.907+/-15.836 χ^2/NDF: 101.9/75

- sign -51.485+/-22.565 χ^2/NDF: 41.9/38

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 97.114+/-0.017 χ^2/NDF:921115.4/20

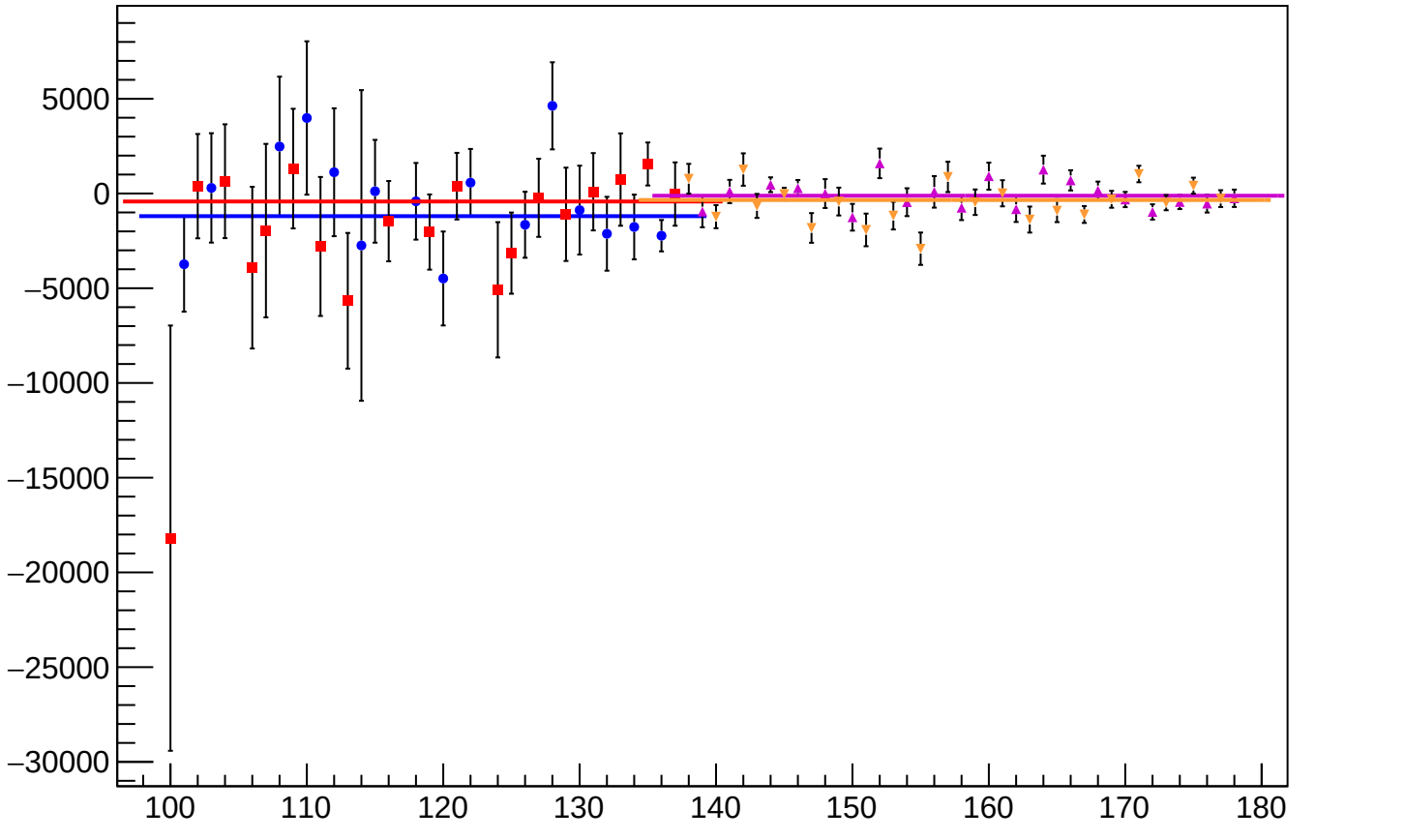
Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 97.325+/-0.017 χ^2/NDF:661578.7/19

+ sign 104.233+/-0.016 χ^2/NDF: 3259549.9/36

All: 104.614+/-0.011 χ^2/NDF: 6683976.5/75

- sign 105.007+/-0.016 χ^2/NDF: 3423231.4/38



Right In: -1196.659+/-491.383 χ^2/NDF: 16.0/15

Left Out: -344.953+/-121.104 χ^2/NDF:48.0/20

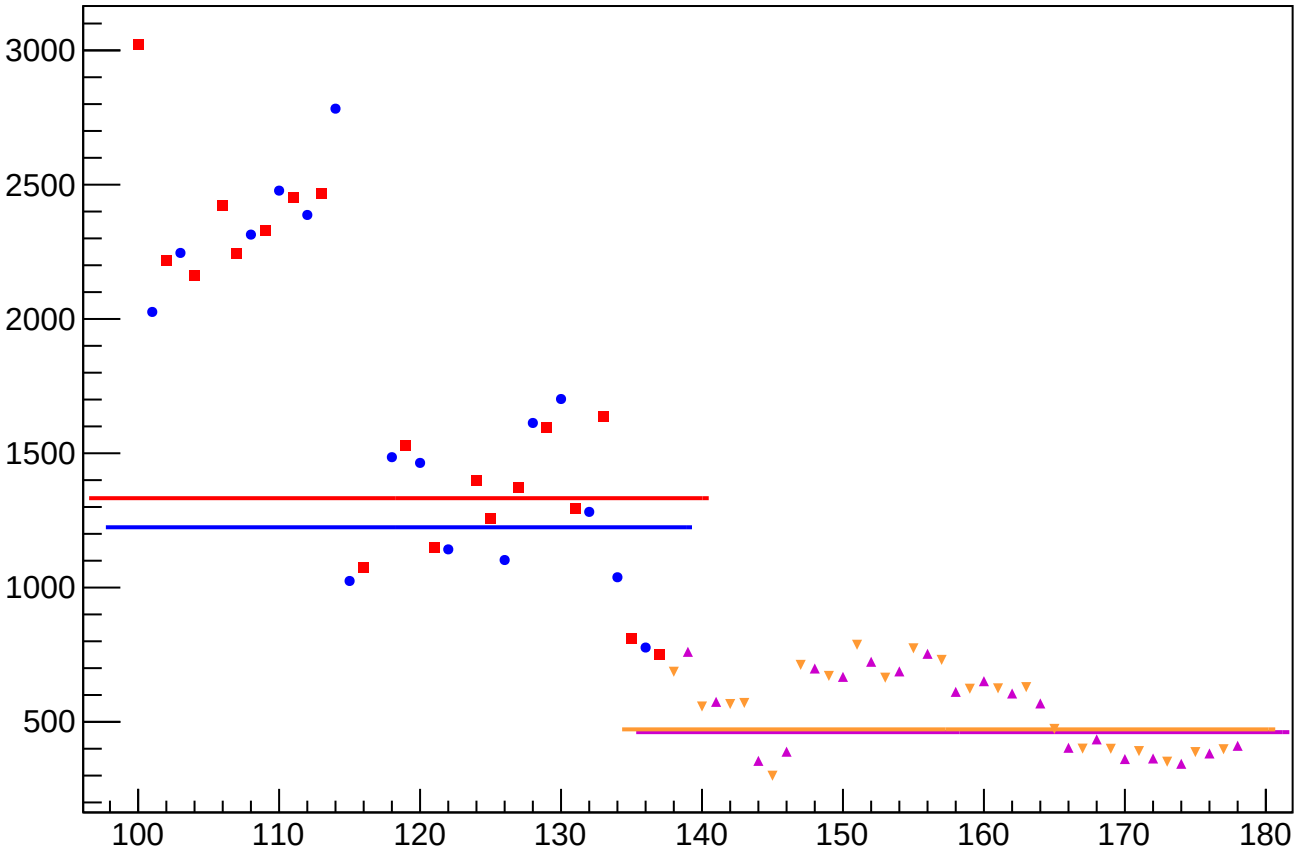
Right Out: -422.163+/-523.833 χ^2/NDF: 14.3/18

Left In: -118.557+/-119.768 χ^2/NDF:28.6/19

+ sign -393.723+/-117.585 χ^2/NDF: 66.8/36

All: -262.759+/-82.850 χ^2/NDF: 112.4/75

- sign -133.639+/-116.755 χ^2/NDF: 43.2/38



Right In: 1224.470+/-0.347 χ^2/NDF: 1959341.1/15

Left Out: 472.066+/-0.086 χ^2/NDF:2786744.6/20

Right Out: 1332.784+/-0.370 χ^2/NDF: 1994794.3/18

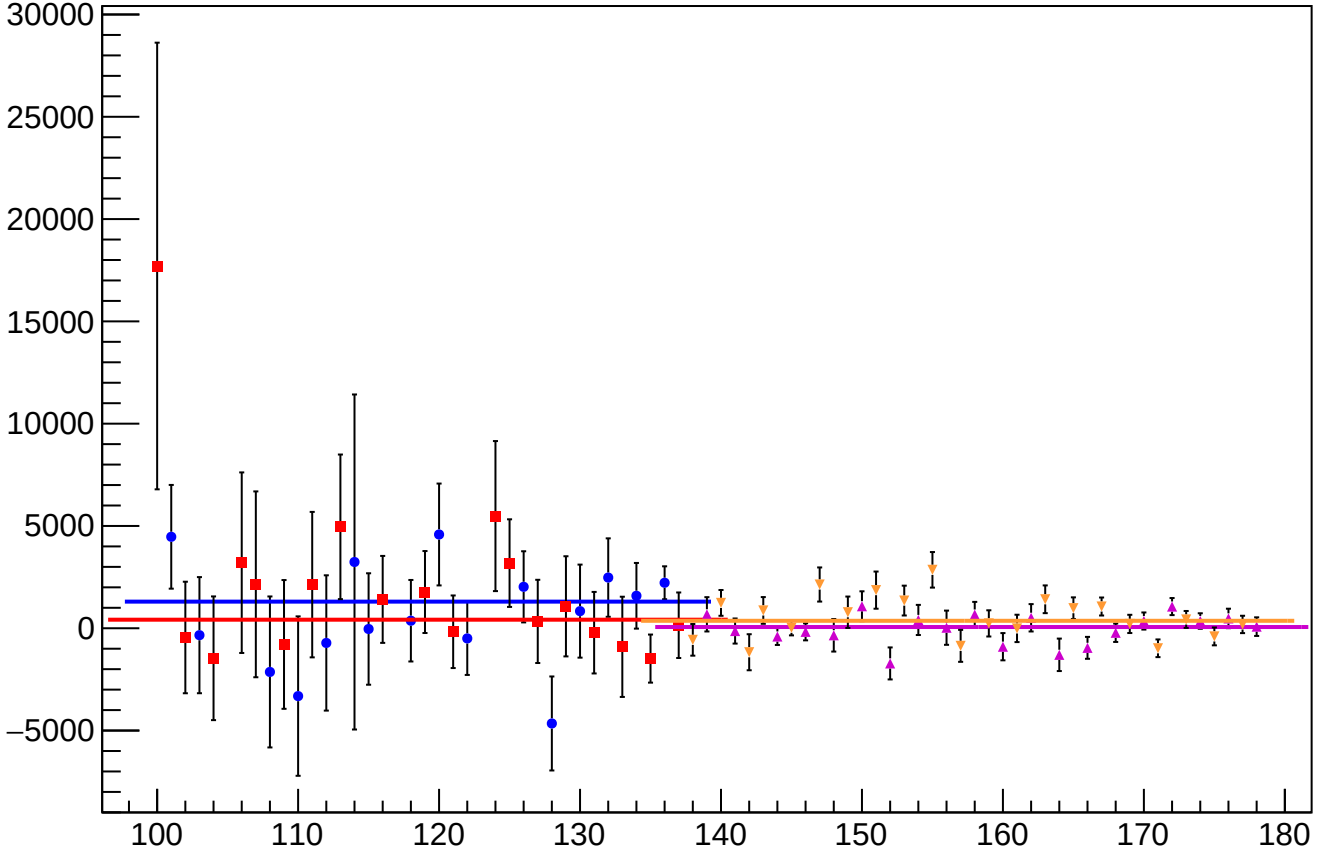
Left In: 461.698+/-0.085 χ^2/NDF:2489044.7/19

+ sign 515.150+/-0.083 χ^2/NDF: 9166691.4/36

All: 510.025+/-0.059 χ^2/NDF: 18913853.6/75

- sign 504.971+/-0.083 χ^2/NDF: 9739615.8/38

asym_sam_26_avg_mean vs Slug



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 364.611+/-122.241 χ^2/NDF:47.6/20

Right Out: 418.283+/-524.515 χ^2/NDF: 13.0/18

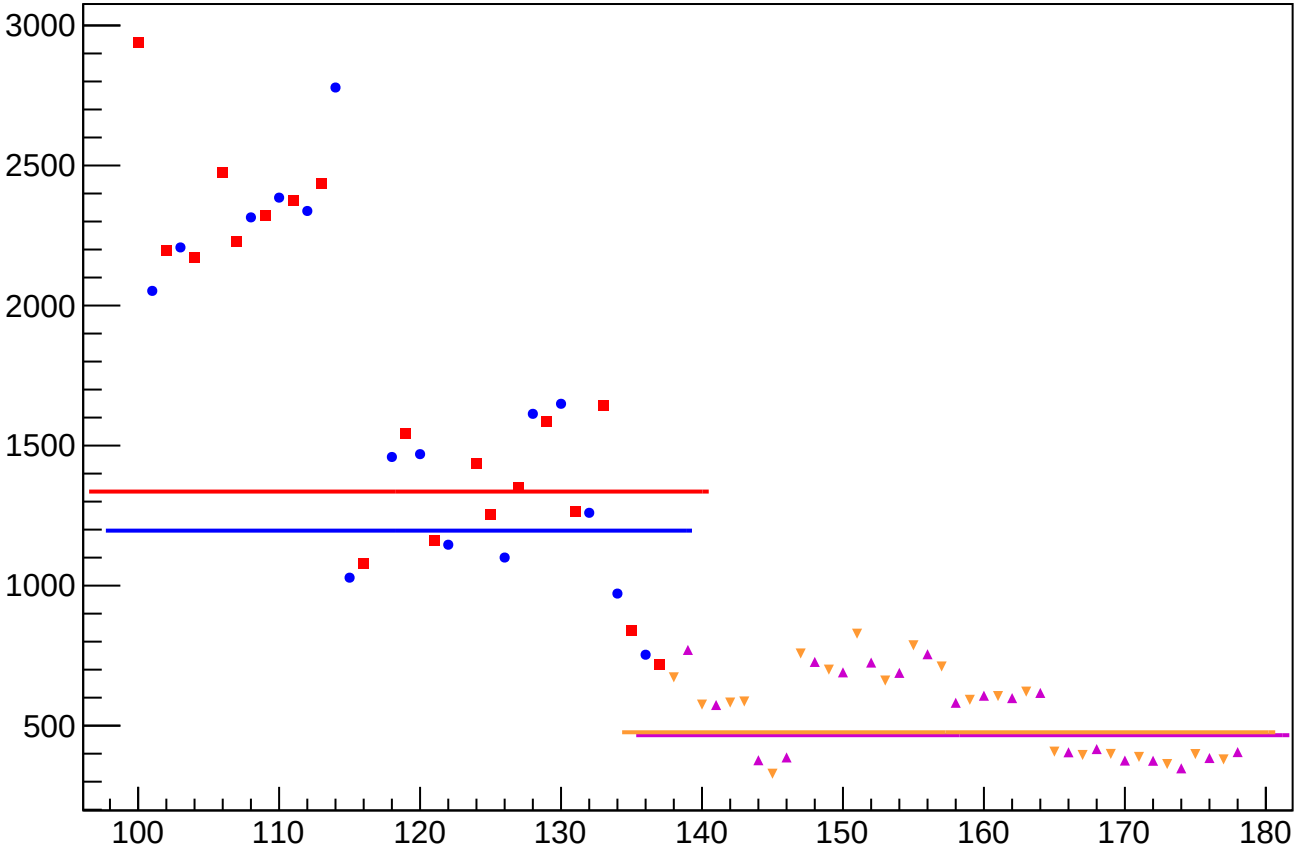
Left In: 60.014+/-120.466 χ^2/NDF:27.9/19

+ sign 421.246+/-118.489 χ^2/NDF: 67.6/36

All: 248.034+/-83.400 χ^2/NDF: 113.2/75

- sign 77.966+/-117.410 χ^2/NDF: 41.4/38

asym_sam_26_avg_rms vs Slug



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 476.407+/-0.086 χ^2/NDF:2639325.8/20

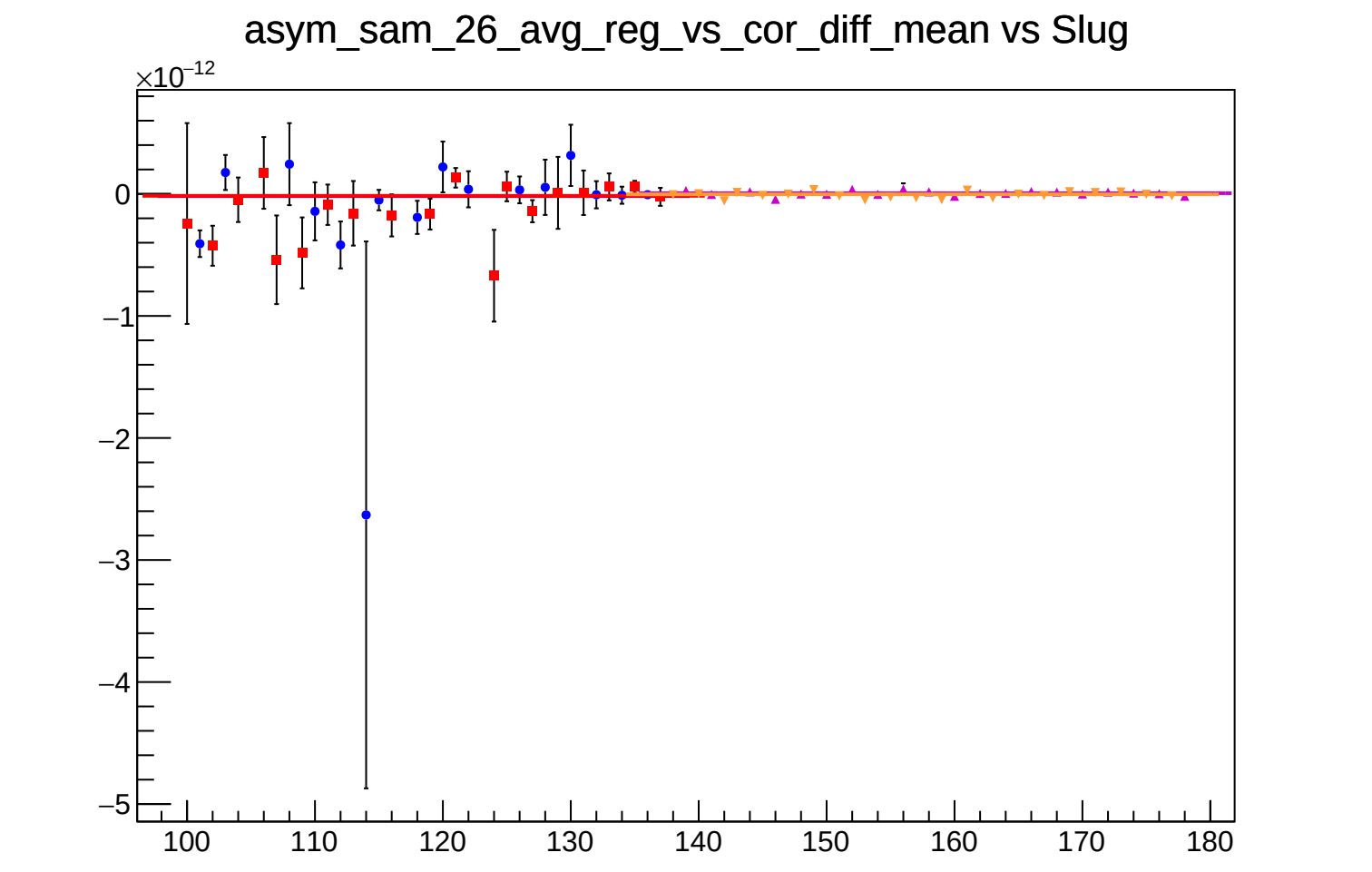
Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 465.940+/-0.085 χ^2/NDF:2377603.2/19

+ sign 519.922+/-0.084 χ^2/NDF: 8864115.9/36

All: 514.676+/-0.059 χ^2/NDF: 18426088.9/75

- sign 509.525+/-0.083 χ^2/NDF: 9554203.0/38



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.4/20

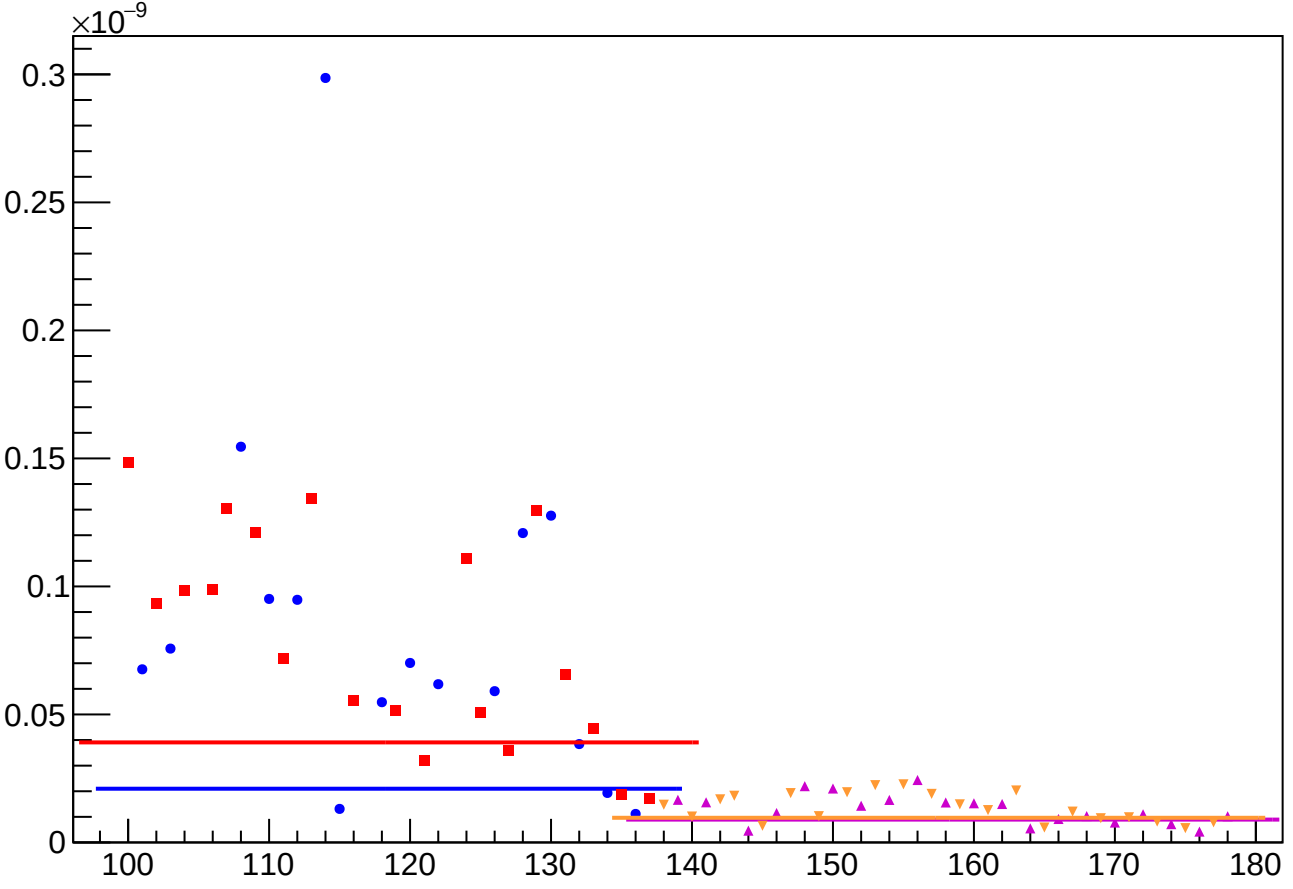
Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: 0.000+/-0.000 χ^2/NDF:15.1/19

+ sign -0.000+/-0.000 χ^2/NDF: 46.8/36

All: 0.000+/-0.000 χ^2/NDF: 90.9/75

- sign 0.000+/-0.000 χ^2/NDF: 41.3/38



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2376462.2/20

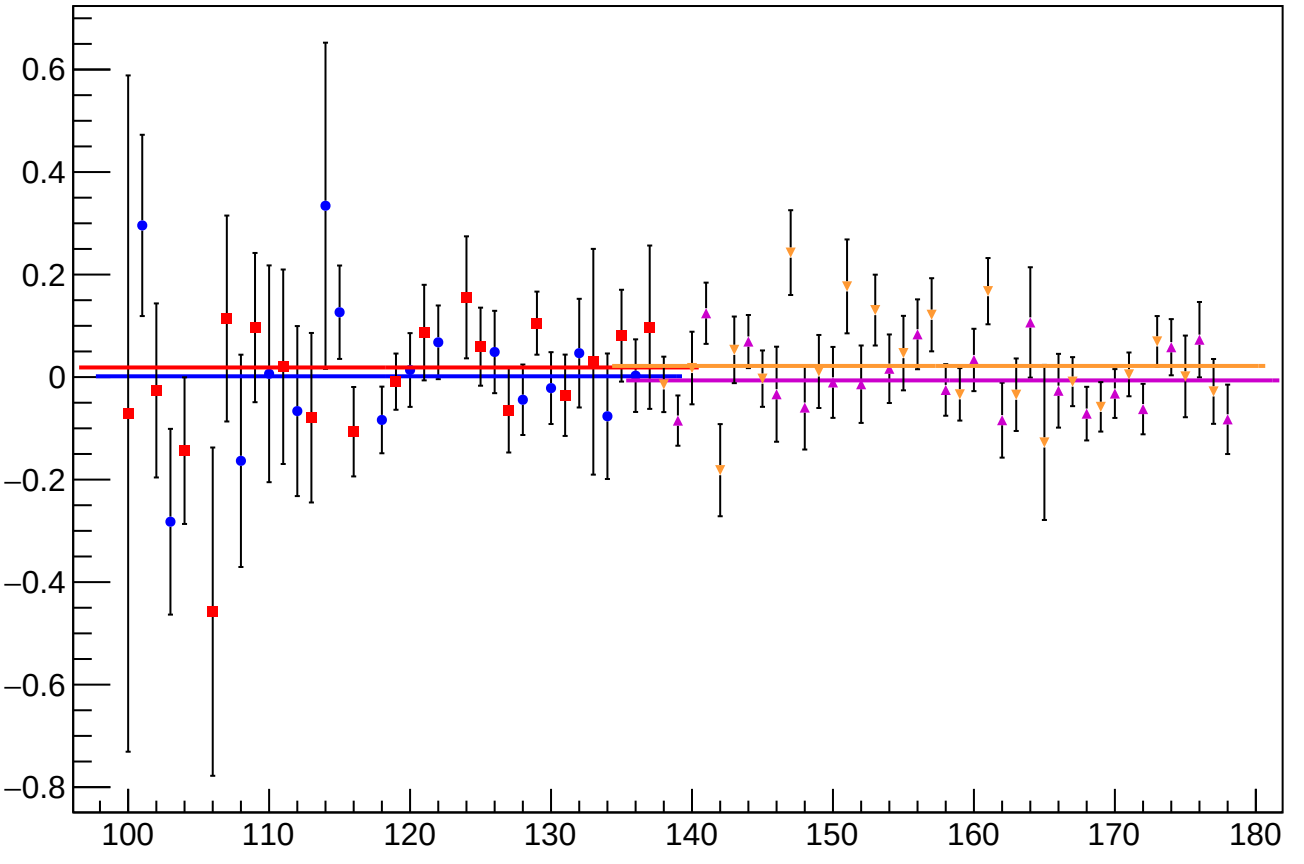
Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2590550.3/19

+ sign 0.000+/-0.000 χ^2/NDF: 6528533.8/36

All: 0.000+/-0.000 χ^2/NDF: 13554694.6/75

- sign 0.000+/-0.000 χ^2/NDF: 7002598.9/38



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.022+/-0.014 χ^2/NDF:33.4/20

Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

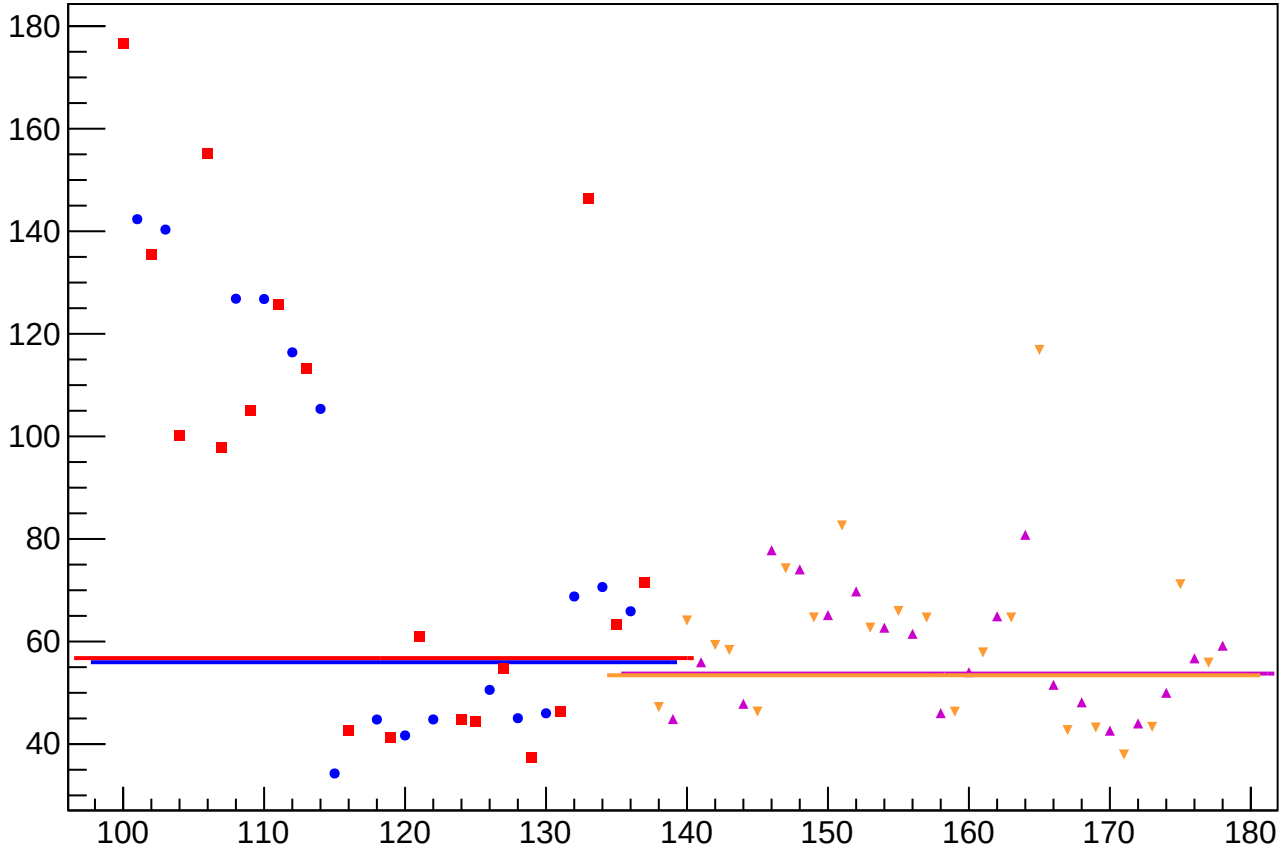
Left In: -0.006+/-0.014 χ^2/NDF:21.7/19

+ sign 0.017+/-0.012 χ^2/NDF: 47.0/36

All: 0.008+/-0.008 χ^2/NDF: 83.7/75

- sign 0.000+/-0.012 χ^2/NDF: 35.6/38

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: 53.421+/-0.010 χ^2/NDF:1737855.1/20

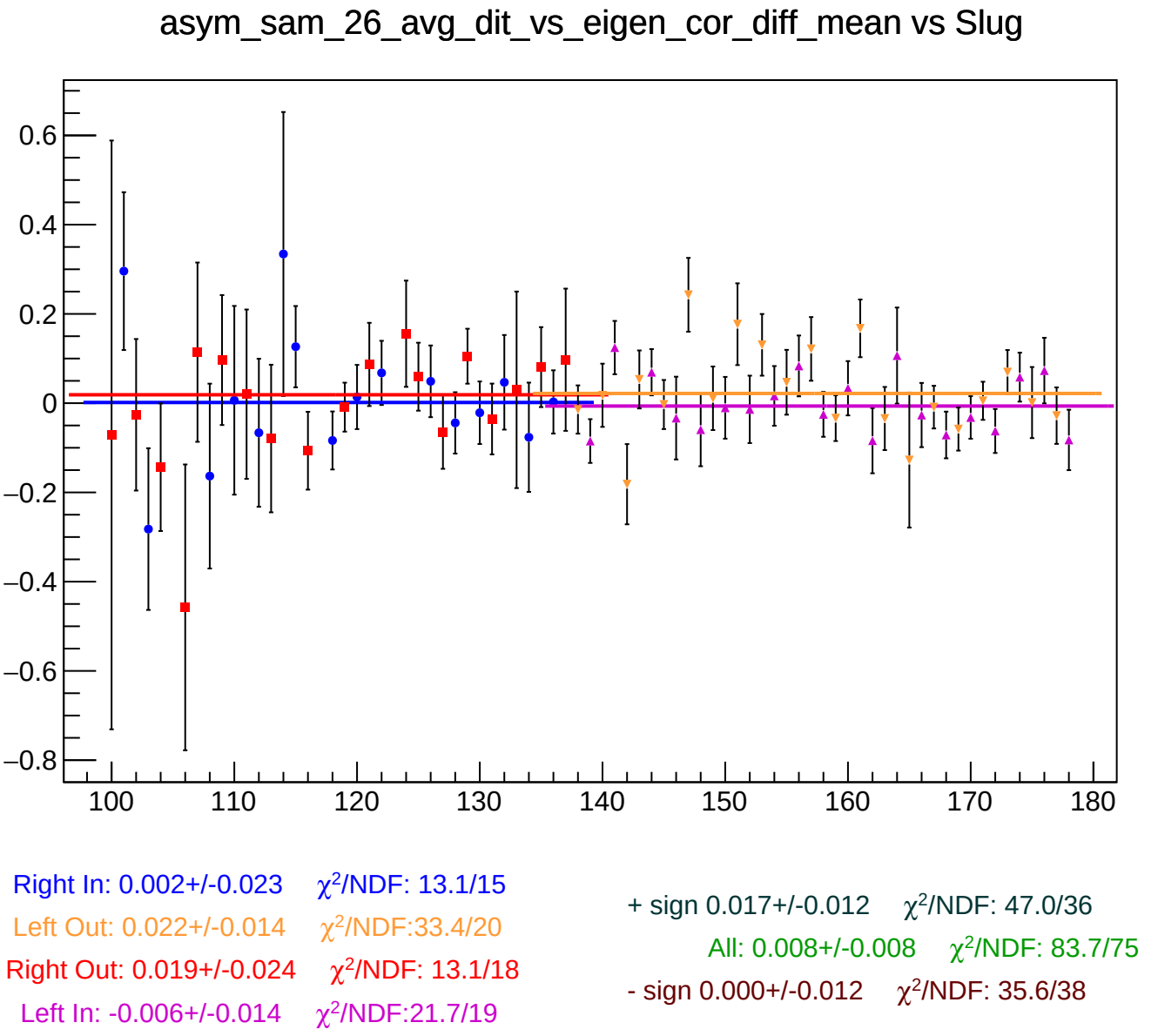
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

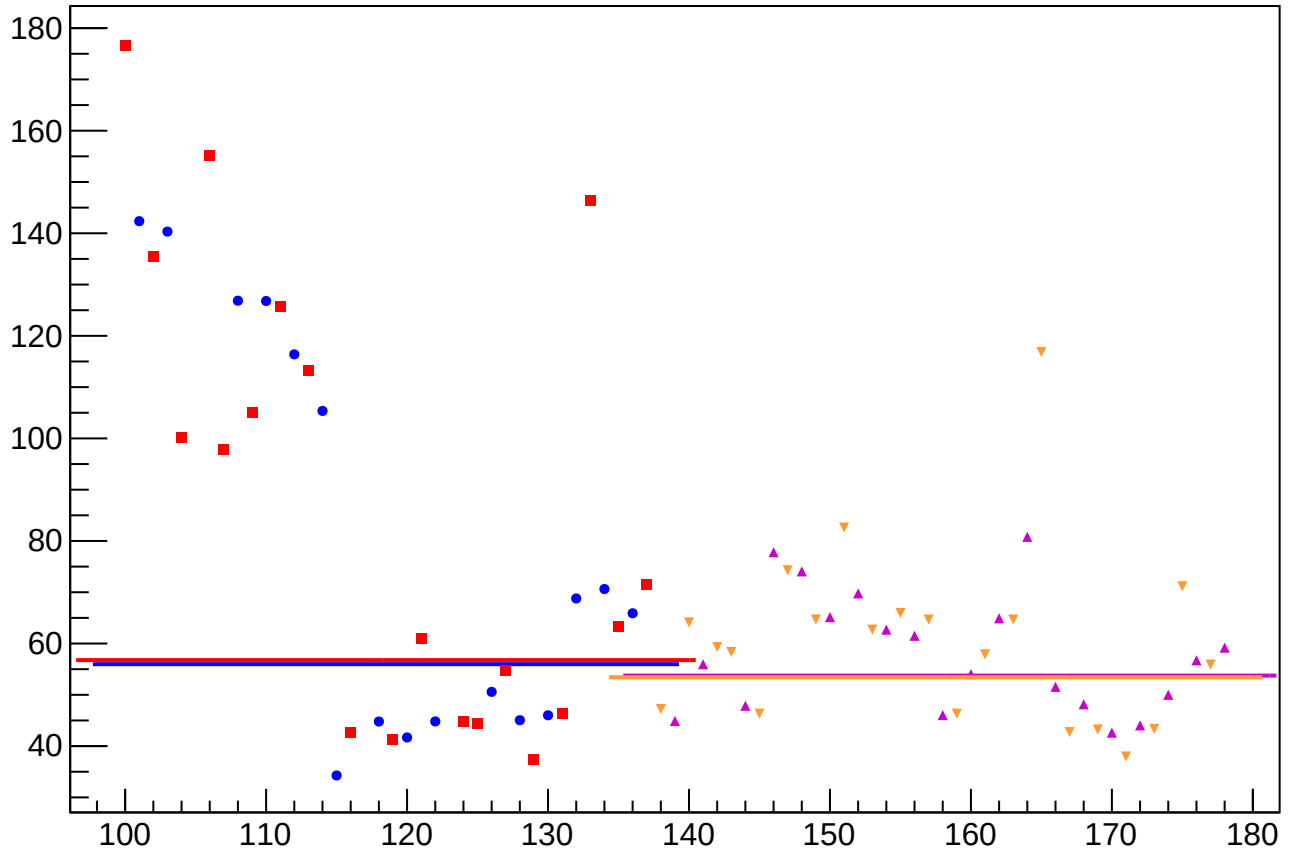
Left In: 53.751+/-0.010 χ^2/NDF:1015071.6/19

+ sign 54.065+/-0.008 χ^2/NDF: 3935360.9/36

All: 54.293+/-0.006 χ^2/NDF: 7529683.0/75

- sign 54.525+/-0.008 χ^2/NDF: 3592816.3/38


asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
180
Right In: 0.002+/-0.023 χ²/NDF: 13.1/15
Left Out: 0.022+/-0.014 χ²/NDF:33.4/20
Right Out: 0.019+/-0.024 χ²/NDF: 13.1/18
Left In: -0.006+/-0.014 χ²/NDF:21.7/19
+ sign 0.017+/-0.012 χ²/NDF: 47.0/36
All: 0.008+/-0.008 χ²/NDF: 83.7/75
- sign 0.000+/-0.012 χ²/NDF: 35.6/38



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 53.421+/-0.010 χ^2/NDF:1737855.1/20

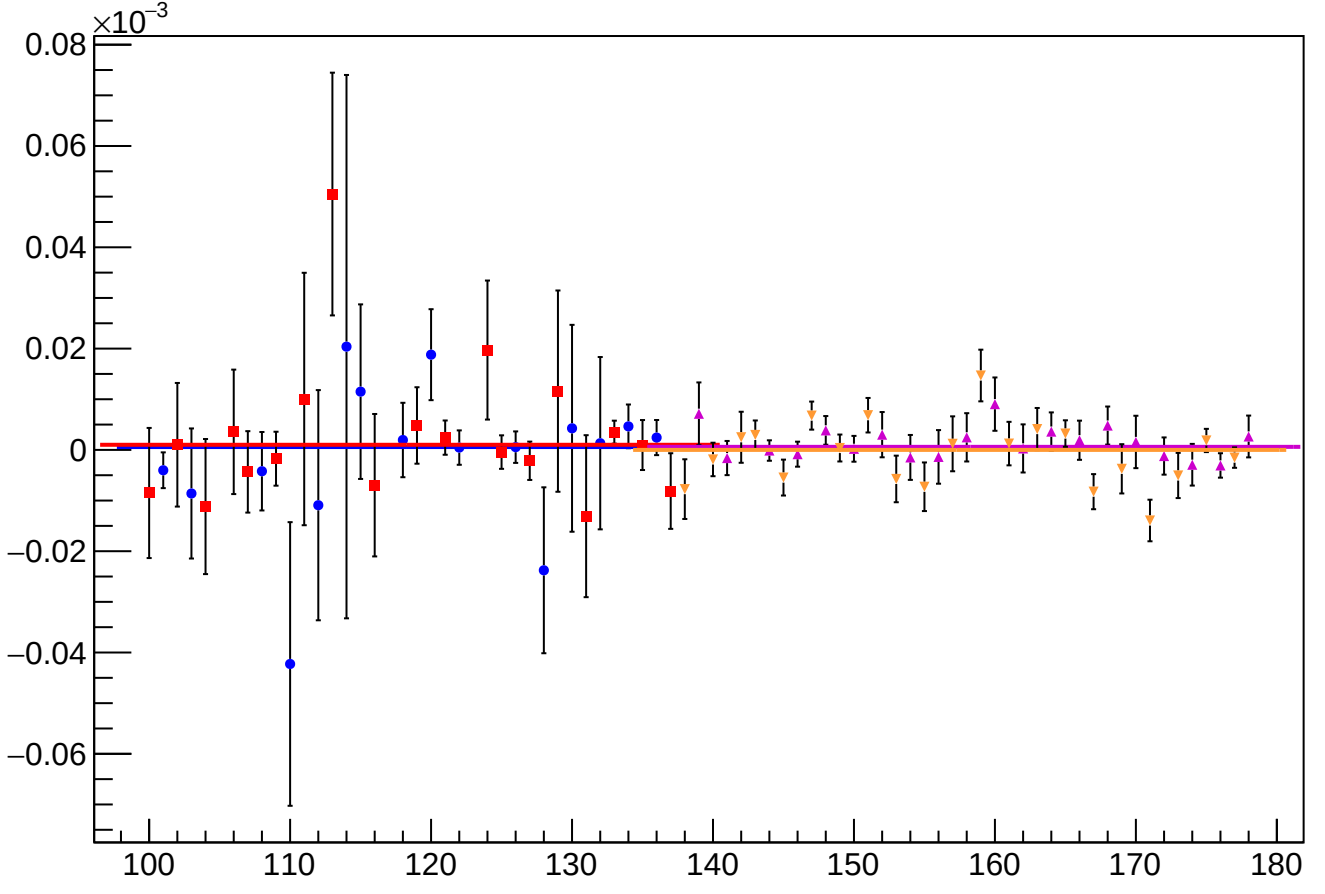
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 53.751+/-0.010 χ^2/NDF:1015071.6/19

+ sign 54.065+/-0.008 χ^2/NDF: 3935360.9/36

All: 54.293+/-0.006 χ^2/NDF: 7529683.0/75

- sign 54.525+/-0.008 χ^2/NDF: 3592816.3/38



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:50.8/20

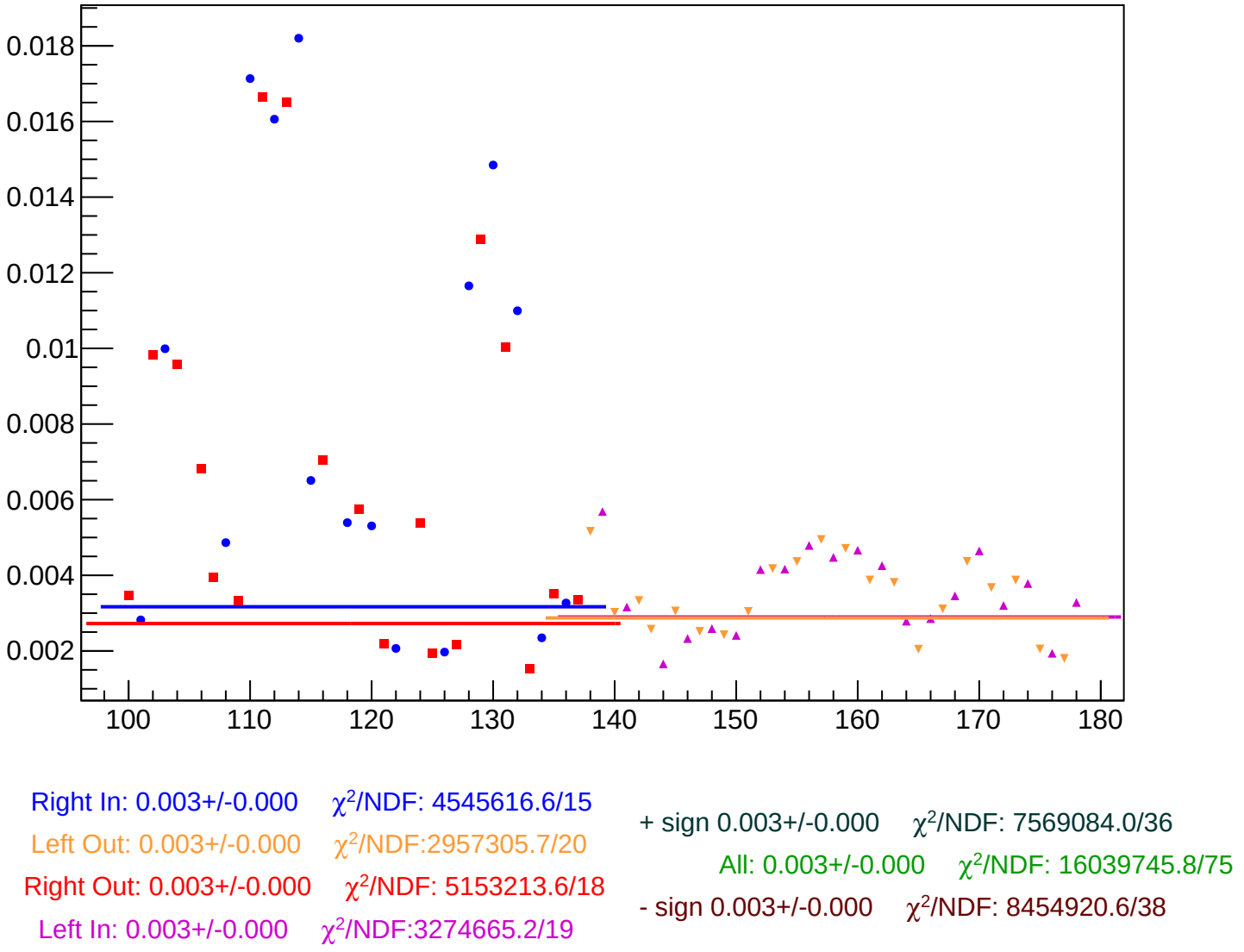
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

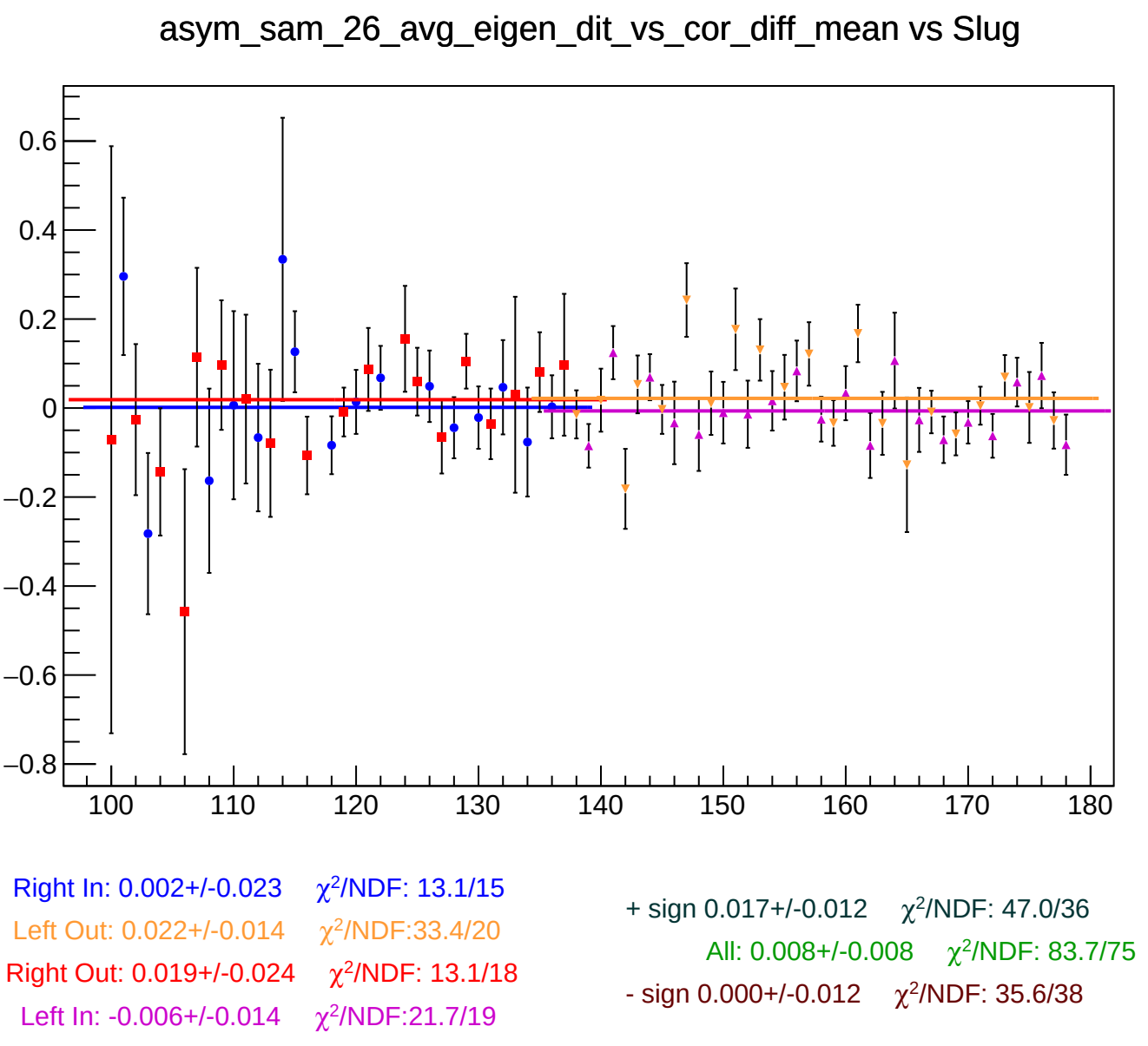
Left In: 0.000+/-0.000 χ^2/NDF:12.3/19

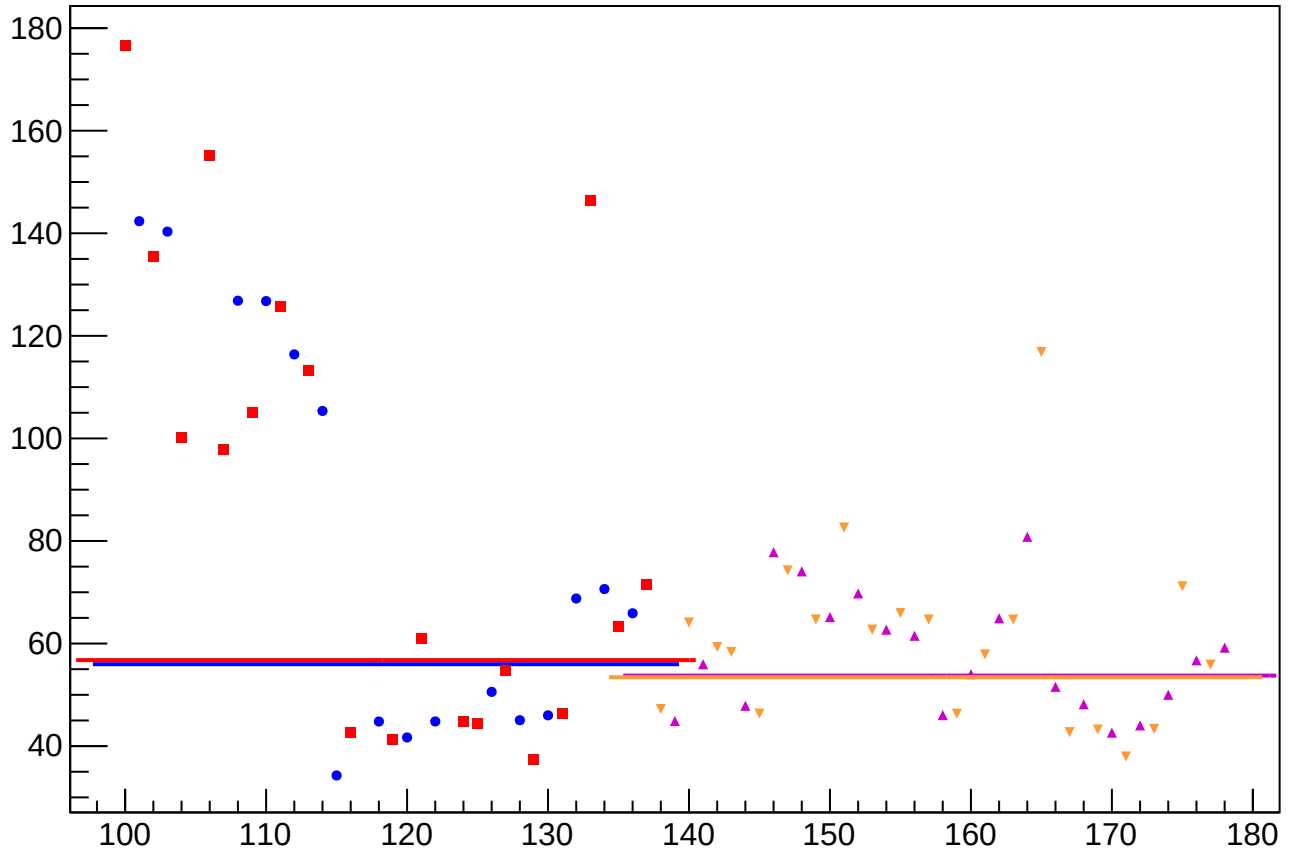
+ sign 0.000+/-0.000 χ^2/NDF: 64.3/36

All: 0.000+/-0.000 χ^2/NDF: 90.9/75

- sign 0.000+/-0.000 χ^2/NDF: 26.2/38


asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
Right In: 0.003+/-0.000 χ²/NDF: 4545616.6/15
Left Out: 0.003+/-0.000 χ²/NDF:2957305.7/20
Right Out: 0.003+/-0.000 χ²/NDF: 5153213.6/18
Left In: 0.003+/-0.000 χ²/NDF:3274665.2/19
+ sign 0.003+/-0.000 χ²/NDF: 7569084.0/36
All: 0.003+/-0.000 χ²/NDF: 16039745.8/75
- sign 0.003+/-0.000 χ²/NDF: 8454920.6/38


asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
180
Right In: 0.002+/-0.023 χ²/NDF: 13.1/15
Left Out: 0.022+/-0.014 χ²/NDF:33.4/20
Right Out: 0.019+/-0.024 χ²/NDF: 13.1/18
Left In: -0.006+/-0.014 χ²/NDF:21.7/19
+ sign 0.017+/-0.012 χ²/NDF: 47.0/36
All: 0.008+/-0.008 χ²/NDF: 83.7/75
- sign 0.000+/-0.012 χ²/NDF: 35.6/38



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 53.422+/-0.010 χ^2/NDF:1737839.1/20

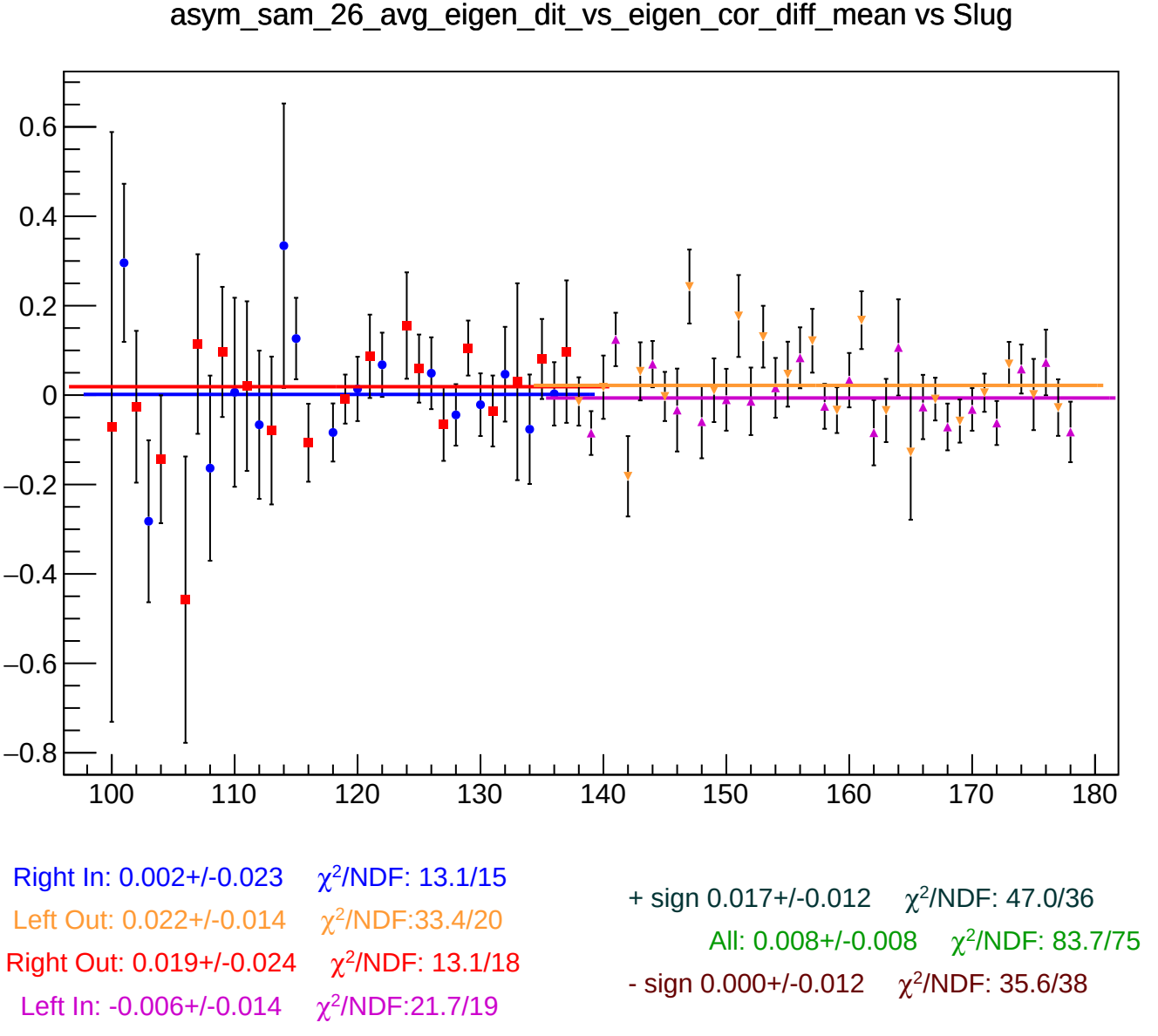
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

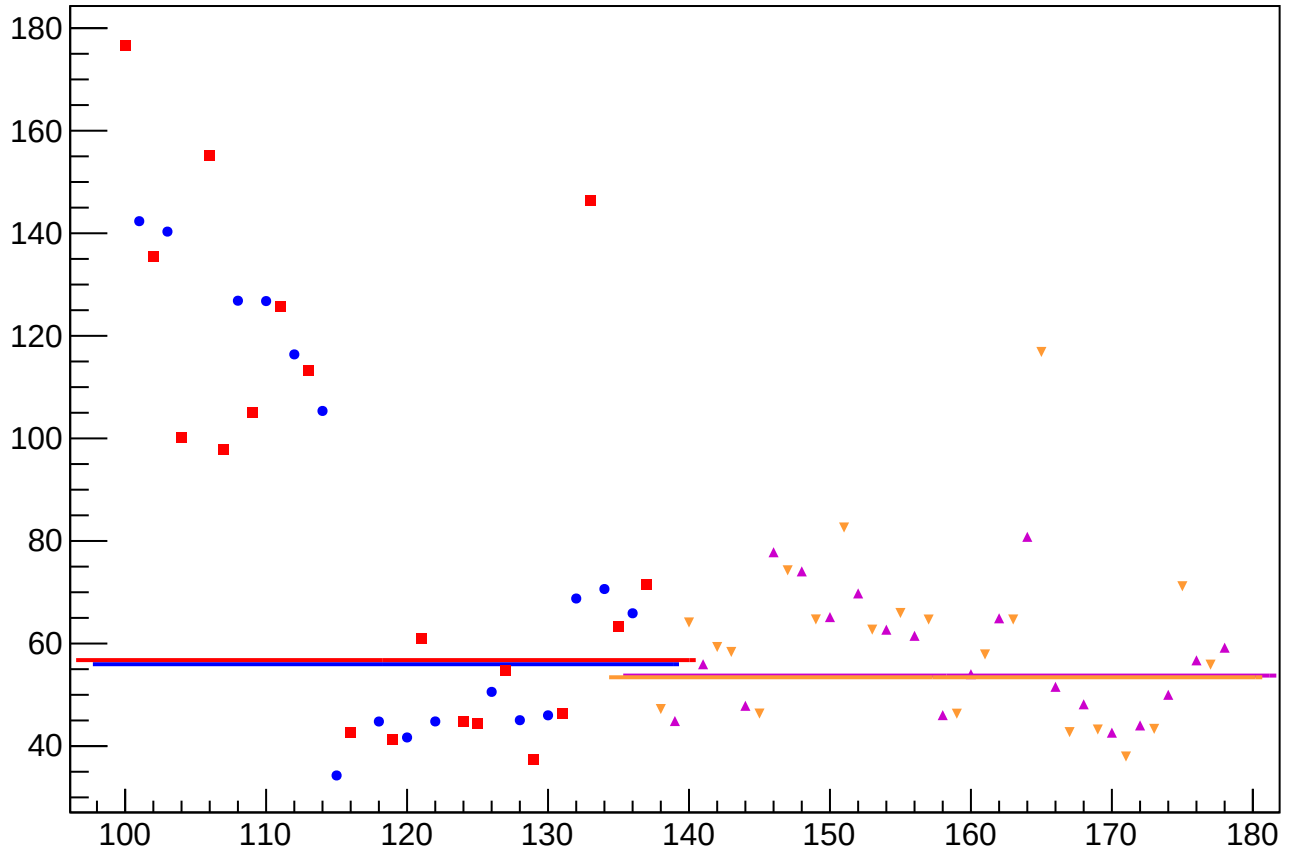
Left In: 53.751+/-0.010 χ^2/NDF:1015043.7/19

+ sign 54.066+/-0.008 χ^2/NDF: 3935263.3/36

All: 54.293+/-0.006 χ^2/NDF: 7529484.5/75

- sign 54.525+/-0.008 χ^2/NDF: 3592714.9/38


asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
180
Right In: 0.002+/-0.023 χ²/NDF: 13.1/15
Left Out: 0.022+/-0.014 χ²/NDF:33.4/20
Right Out: 0.019+/-0.024 χ²/NDF: 13.1/18
Left In: -0.006+/-0.014 χ²/NDF:21.7/19
+ sign 0.017+/-0.012 χ²/NDF: 47.0/36
All: 0.008+/-0.008 χ²/NDF: 83.7/75
- sign 0.000+/-0.012 χ²/NDF: 35.6/38



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 53.422+/-0.010 χ^2/NDF:1737839.1/20

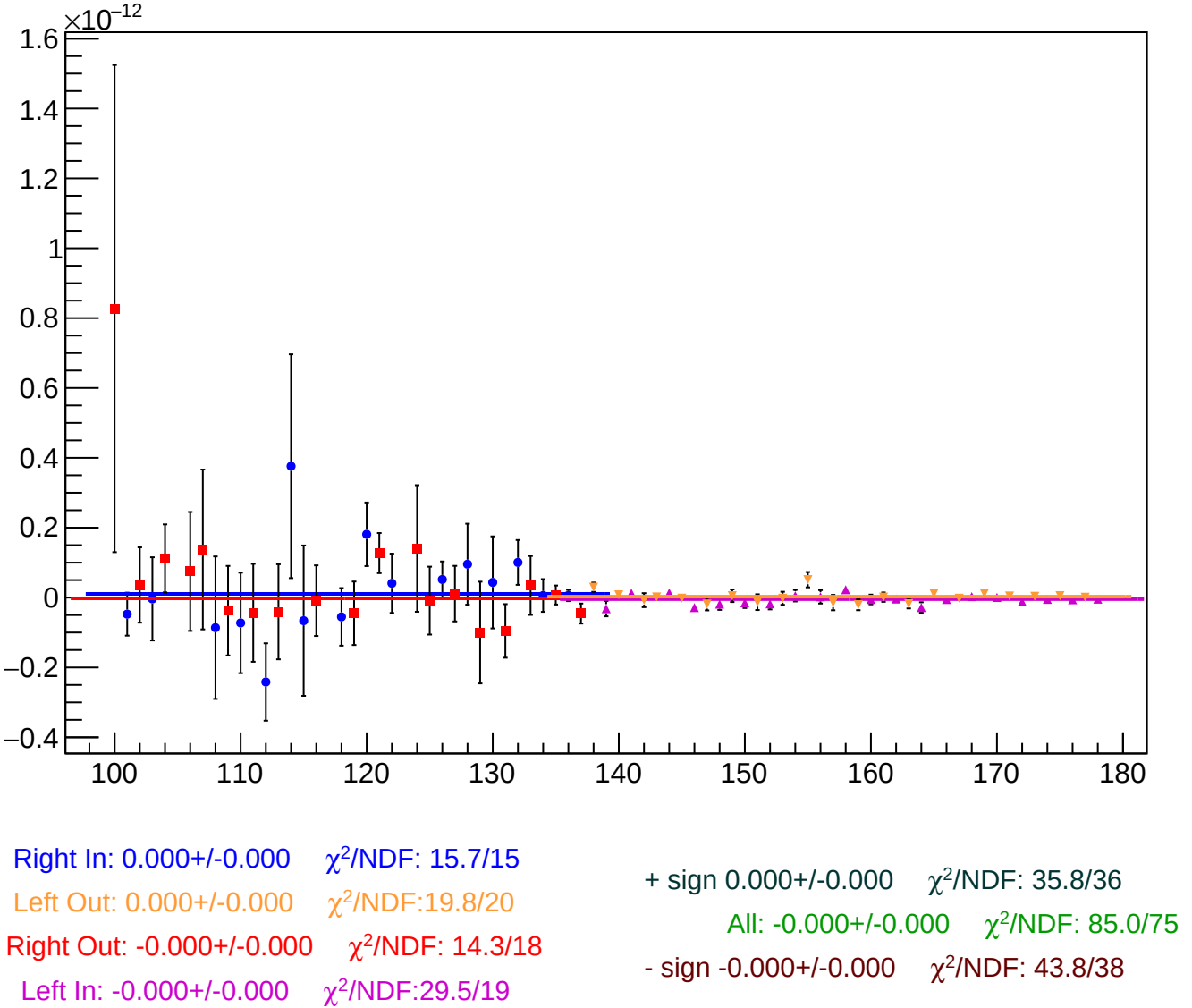
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

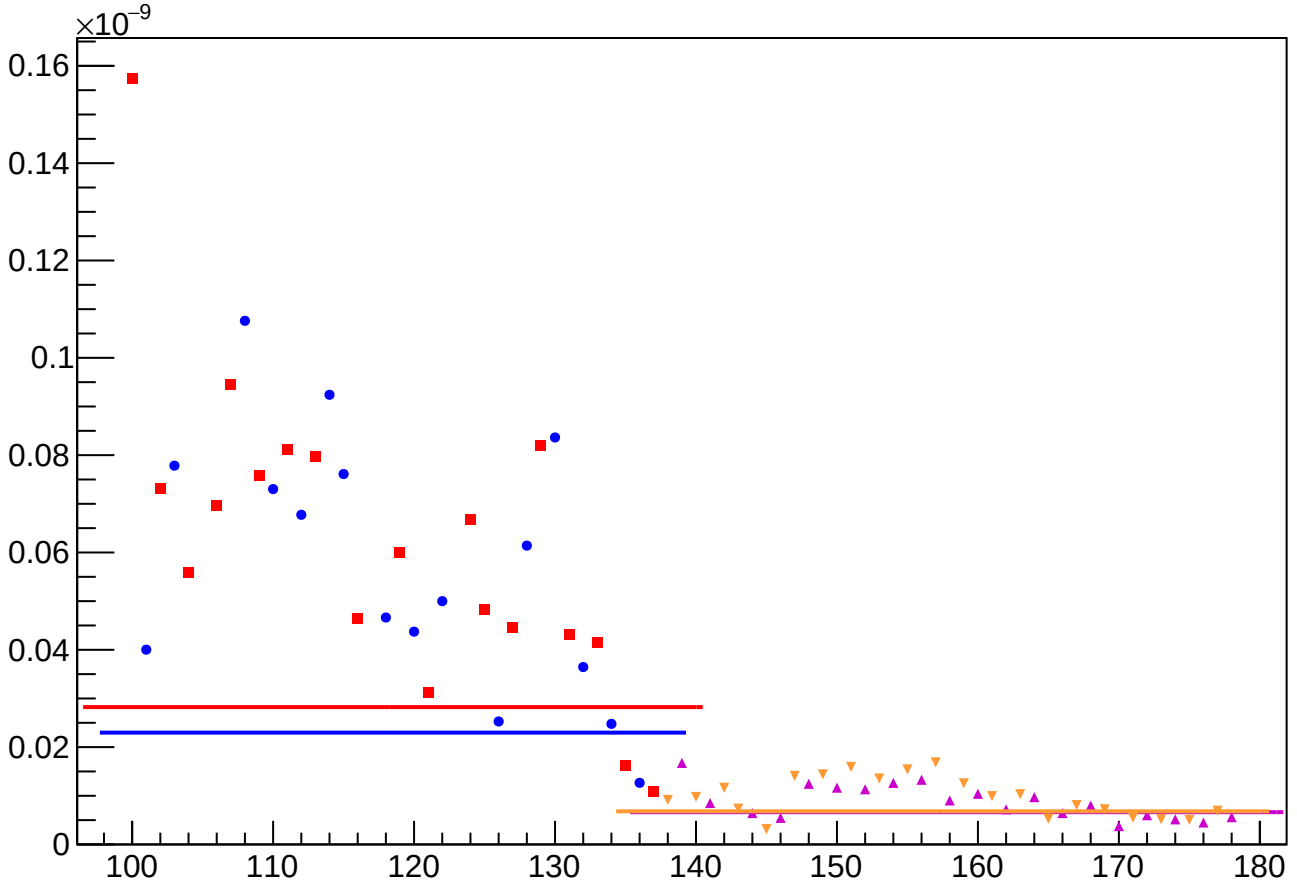
Left In: 53.751+/-0.010 χ^2/NDF:1015043.7/19

+ sign 54.066+/-0.008 χ^2/NDF: 3935263.3/36

All: 54.293+/-0.006 χ^2/NDF: 7529484.5/75

- sign 54.525+/-0.008 χ^2/NDF: 3592714.9/38


asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 15.7/15
Left Out: 0.000+/-0.000 χ²/NDF:19.8/20
Right Out: -0.000+/-0.000 χ²/NDF: 14.3/18
Left In: -0.000+/-0.000 χ²/NDF:29.5/19
+ sign 0.000+/-0.000 χ²/NDF: 35.8/36
All: -0.000+/-0.000 χ²/NDF: 85.0/75
- sign -0.000+/-0.000 χ²/NDF: 43.8/38



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:4226511.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

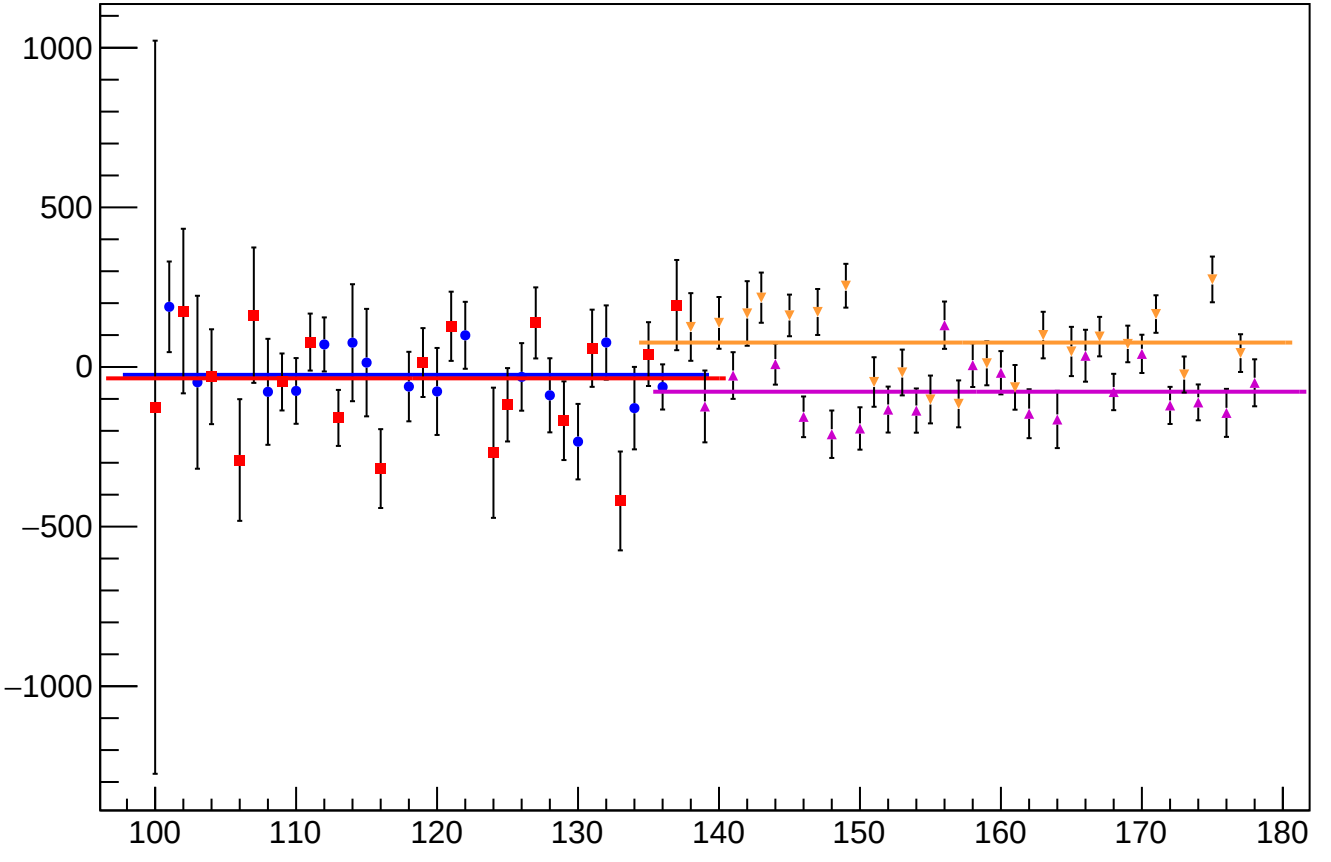
Left In: 0.000+/-0.000 χ^2/NDF:2849055.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 10978232.5/36

All: 0.000+/-0.000 χ^2/NDF: 21462976.8/75

- sign 0.000+/-0.000 χ^2/NDF: 10473742.3/38

reg_asym_sam_37_avg_mean vs Slug



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 76.533+/-15.273 χ^2/NDF:50.4/20

Right Out: -35.582+/-28.454 χ^2/NDF: 30.1/18

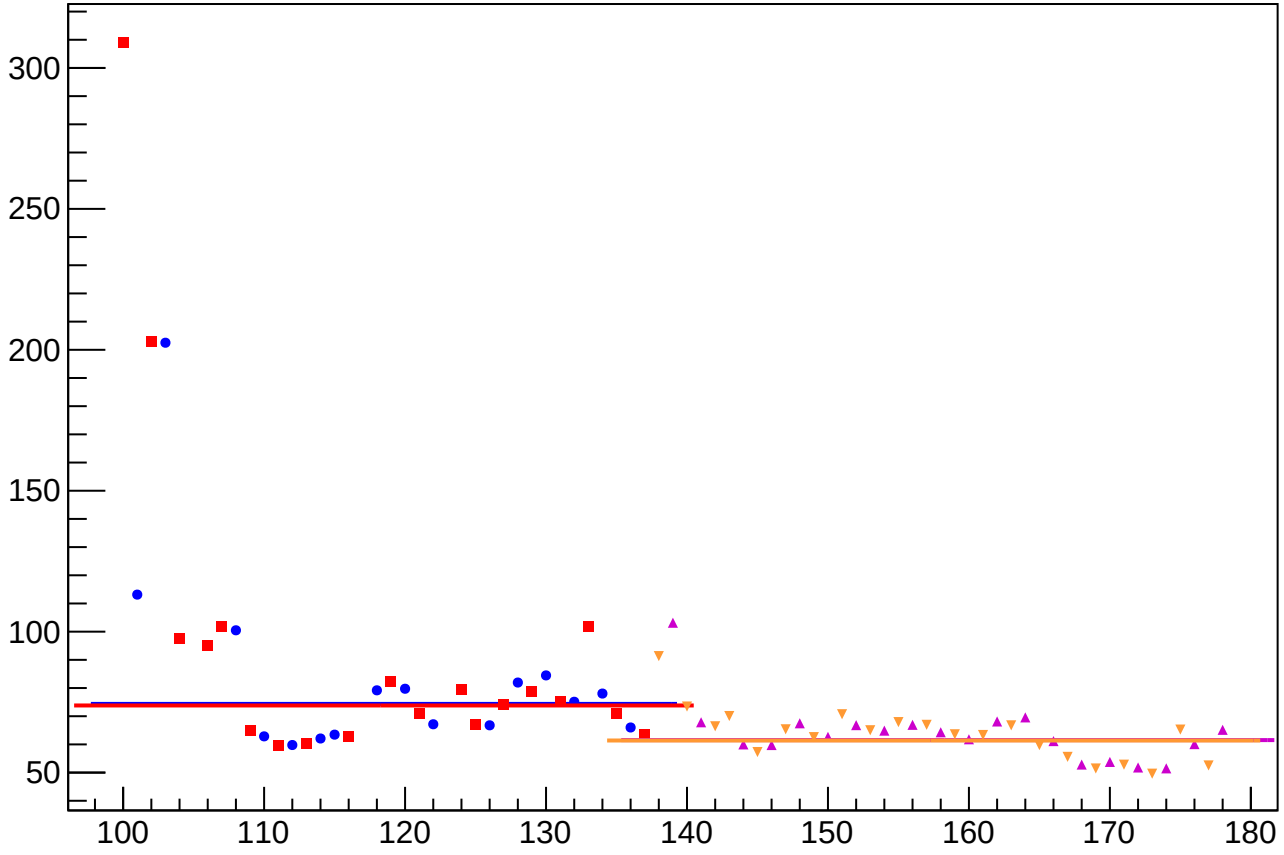
Left In: -77.452+/-15.462 χ^2/NDF:31.1/19

+ sign 54.461+/-13.505 χ^2/NDF: 71.0/36

All: -6.356+/-9.578 χ^2/NDF: 174.6/75

- sign -67.907+/-13.586 χ^2/NDF: 62.9/38

reg_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 61.387+/-0.011 χ^2/NDF:581585.2/20

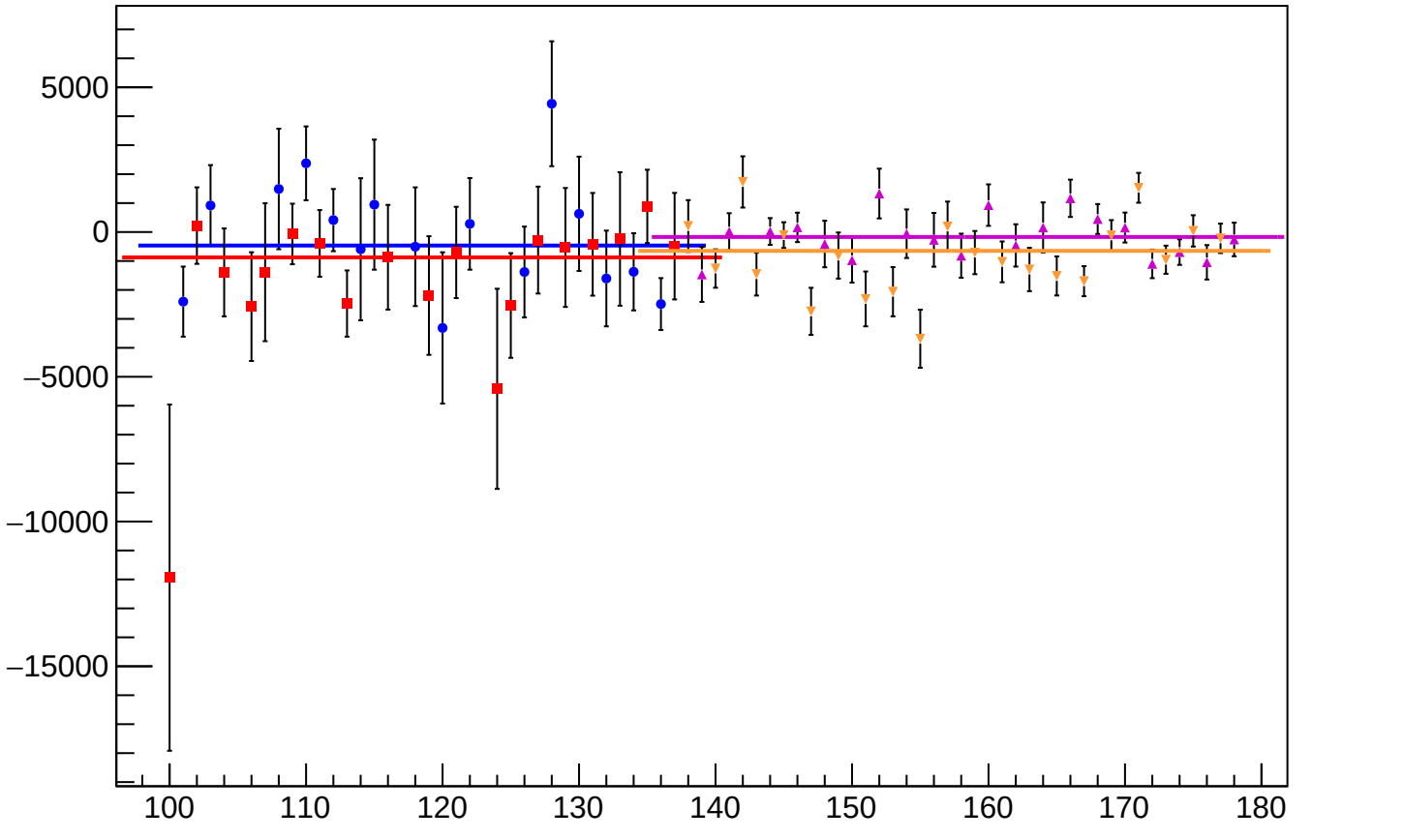
Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 61.527+/-0.011 χ^2/NDF:570747.3/19

+ sign 64.219+/-0.010 χ^2/NDF: 1724417.1/36

All: 64.273+/-0.007 χ^2/NDF: 3515127.7/75

- sign 64.328+/-0.010 χ^2/NDF: 1790645.7/38



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -651.137+/-141.409 χ^2/NDF:62.7/20

Right Out: -875.351+/-372.239 χ^2/NDF: 13.1/18

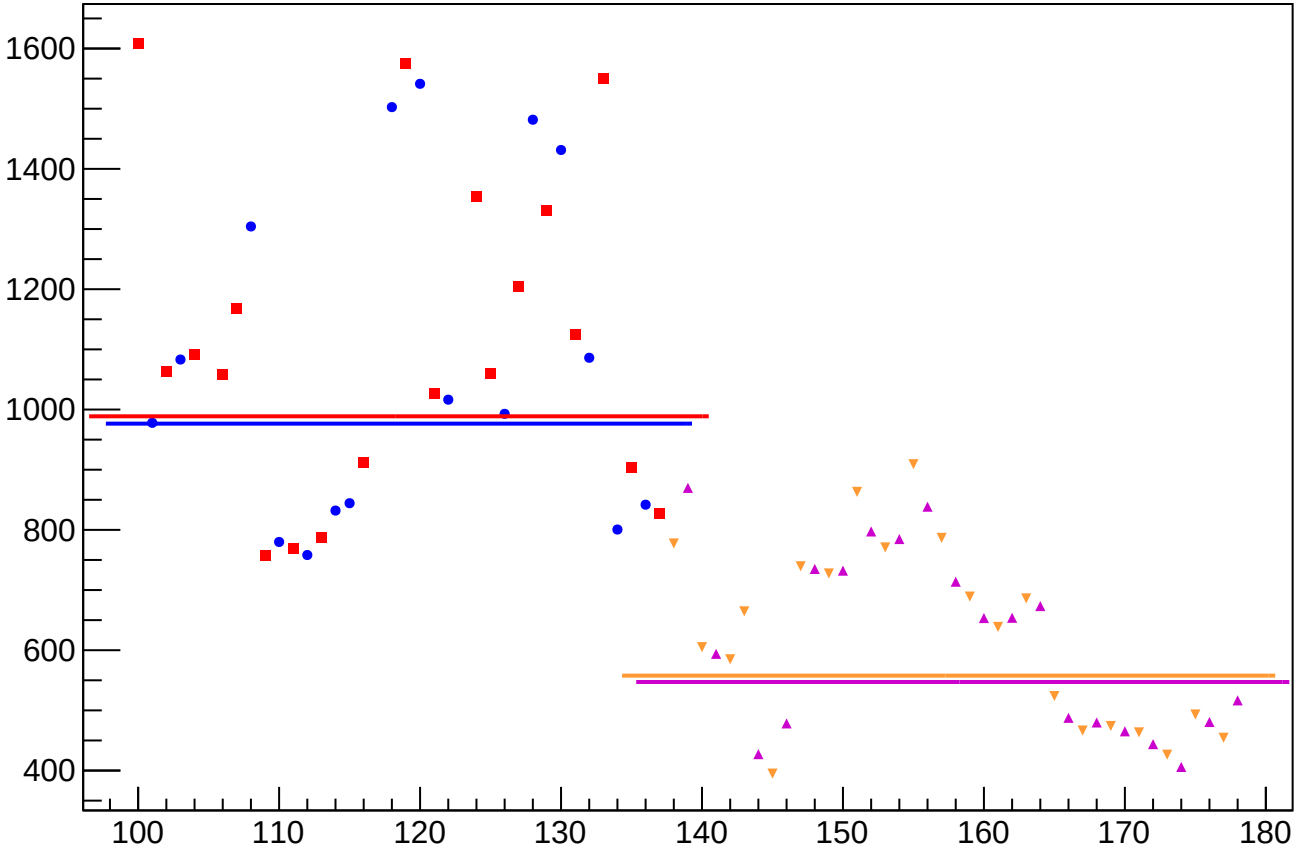
Left In: -170.657+/-139.933 χ^2/NDF:23.4/19

+ sign -628.157+/-132.315 χ^2/NDF: 86.6/36

All: -441.162+/-93.087 χ^2/NDF: 130.1/75

- sign -257.912+/-130.984 χ^2/NDF: 39.6/38

asym_sam_37_avg_reg_correction_rms vs Slug



Right In: 976.583+/-0.265 χ^2/NDF: 736605.1/15

Left Out: 557.771+/-0.100 χ^2/NDF:1942755.9/20

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

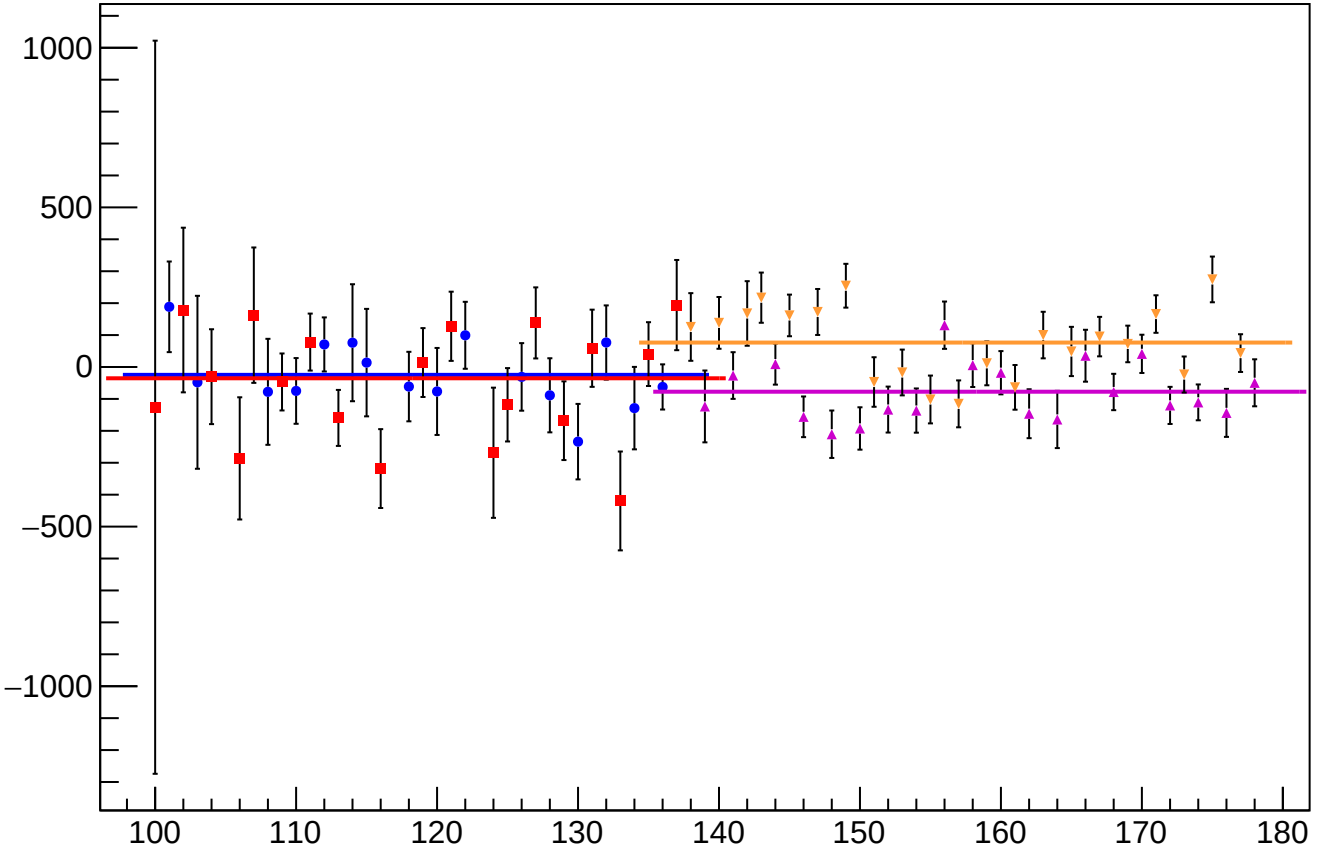
Left In: 547.175+/-0.099 χ^2/NDF:1812223.2/19

+ sign 609.904+/-0.094 χ^2/NDF: 4863105.0/36

All: 605.837+/-0.066 χ^2/NDF: 9860895.9/75

- sign 601.853+/-0.093 χ^2/NDF: 4994051.0/38

cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 76.536+/-15.273 χ^2/NDF:50.4/20

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

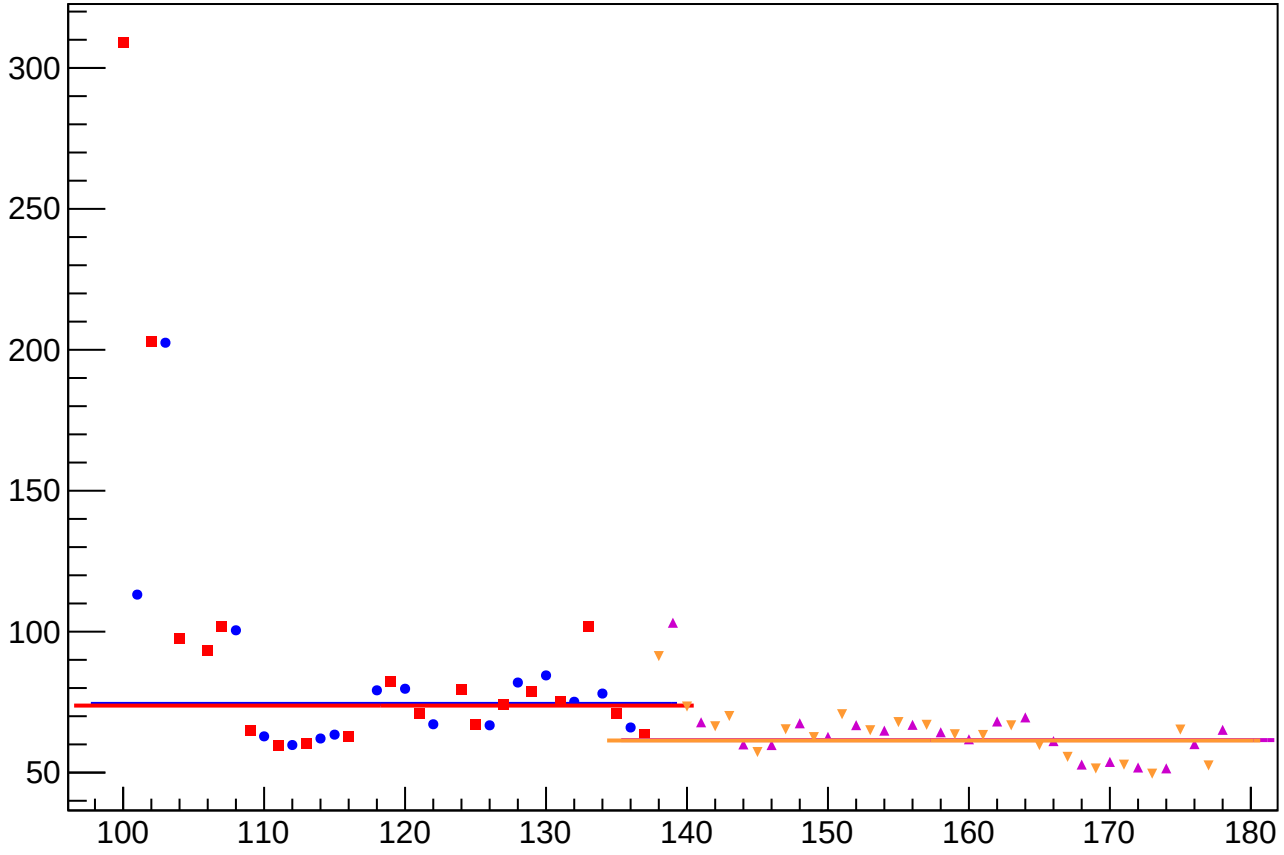
Left In: -77.451+/-15.462 χ^2/NDF:31.1/19

+ sign 54.462+/-13.505 χ^2/NDF: 71.0/36

All: -6.332+/-9.578 χ^2/NDF: 174.6/75

- sign -67.862+/-13.586 χ^2/NDF: 62.8/38

cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 61.387+/-0.011 χ^2/NDF:581585.2/20

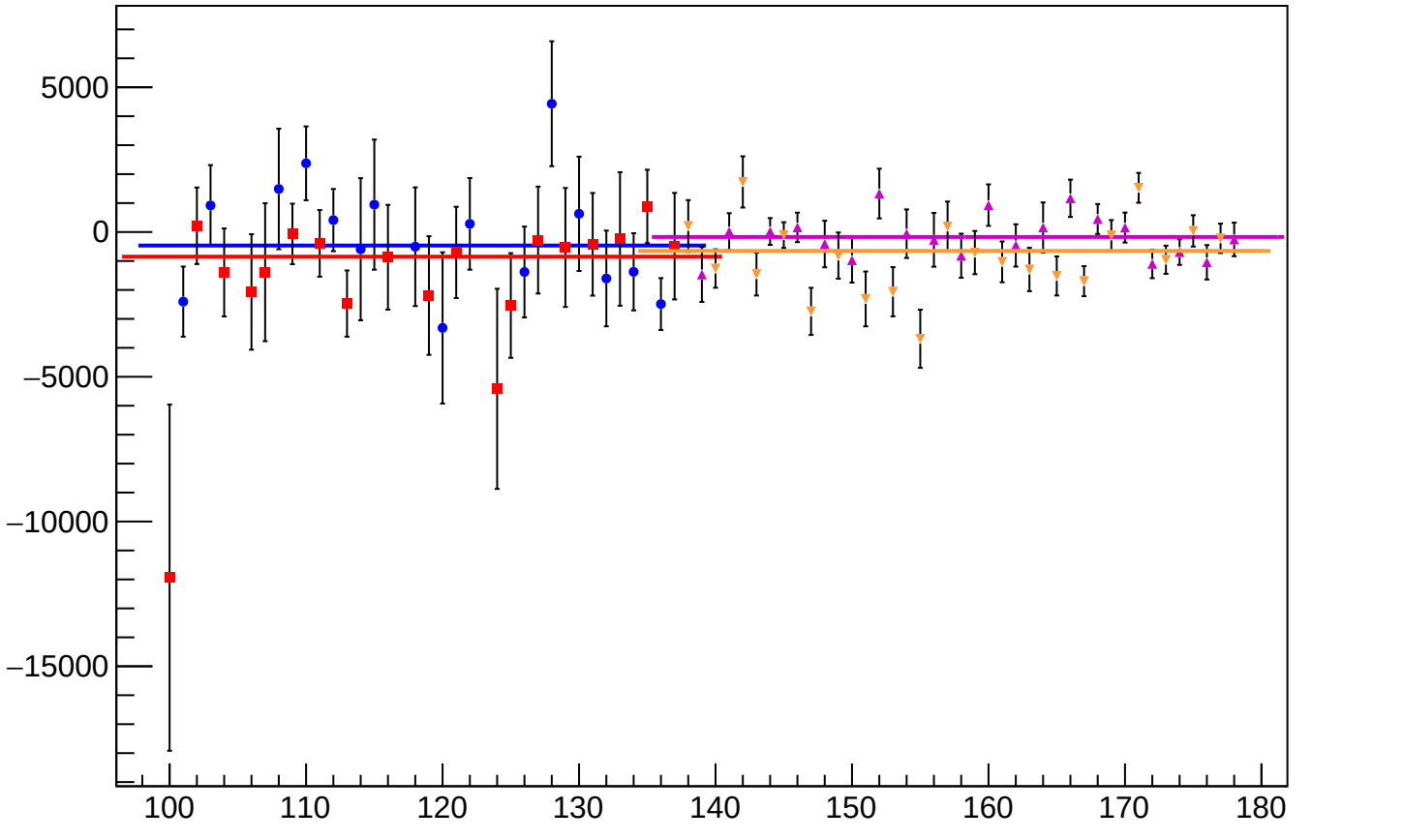
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 61.527+/-0.011 χ^2/NDF:570747.3/19

+ sign 64.219+/-0.010 χ^2/NDF: 1724418.9/36

All: 64.269+/-0.007 χ^2/NDF: 3509329.7/75

- sign 64.318+/-0.010 χ^2/NDF: 1784857.3/38



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -651.133+/-141.409 χ^2/NDF:62.7/20

Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

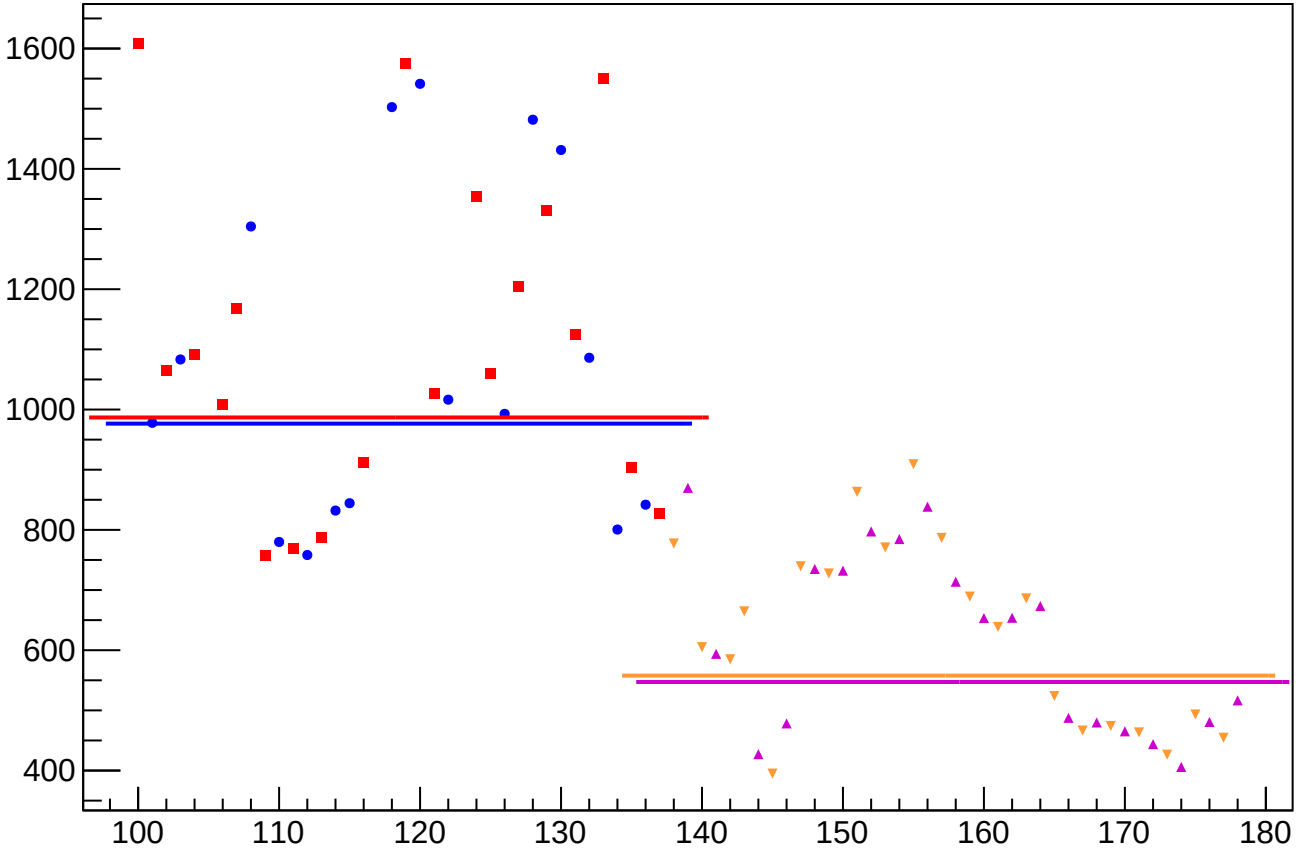
Left In: -170.655+/-139.933 χ^2/NDF:23.4/19

+ sign -628.152+/-132.316 χ^2/NDF: 86.6/36

All: -439.503+/-93.100 χ^2/NDF: 129.5/75

- sign -254.528+/-131.021 χ^2/NDF: 38.9/38

asym_sam_37_avg_cor_correction_rms vs Slug



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 557.771+/-0.100 χ^2/NDF:1942757.9/20

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

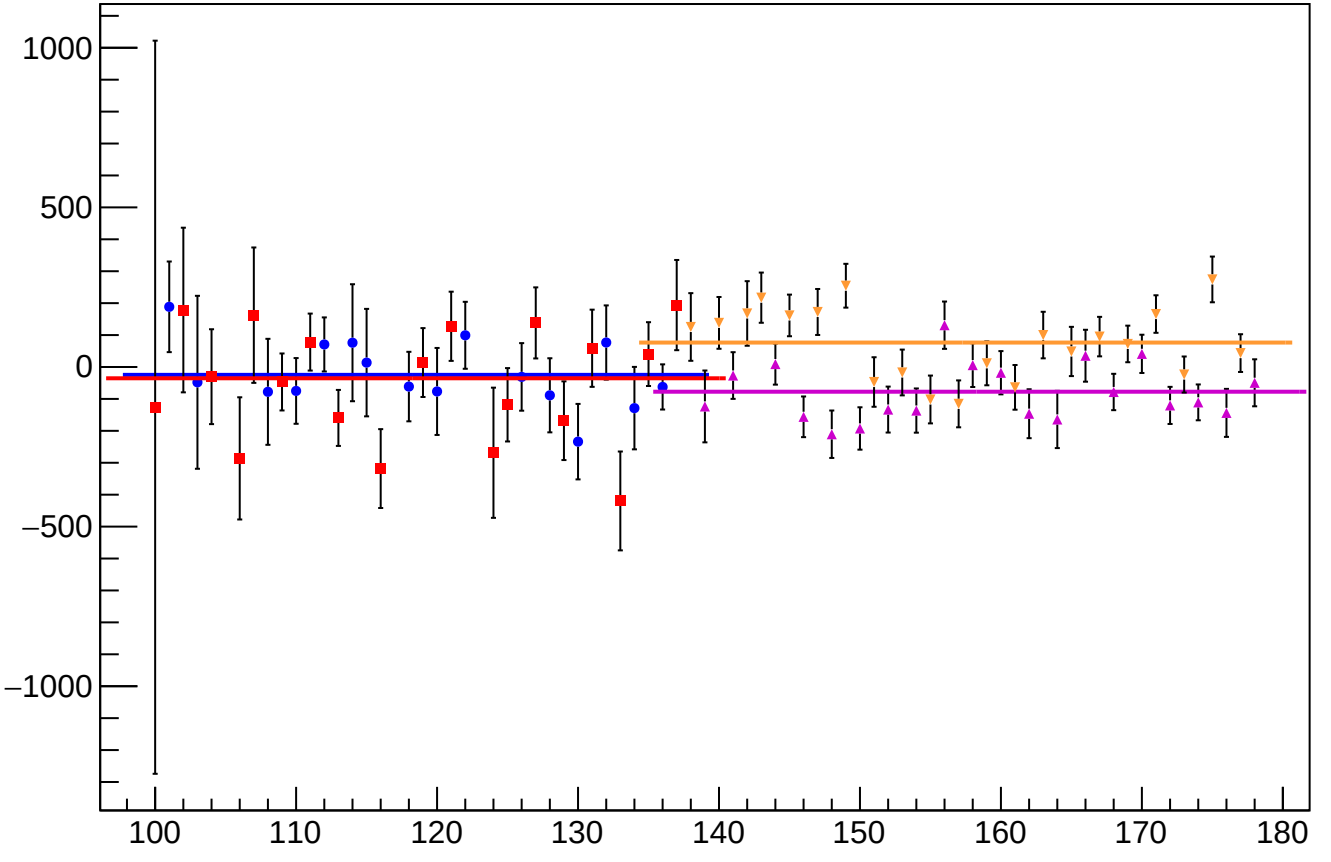
Left In: 547.175+/-0.099 χ^2/NDF:1812224.1/19

+ sign 609.904+/-0.094 χ^2/NDF: 4863168.5/36

All: 605.607+/-0.066 χ^2/NDF: 9827597.7/75

- sign 601.394+/-0.093 χ^2/NDF: 4960252.8/38

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 76.536+/-15.273 χ^2/NDF:50.4/20

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

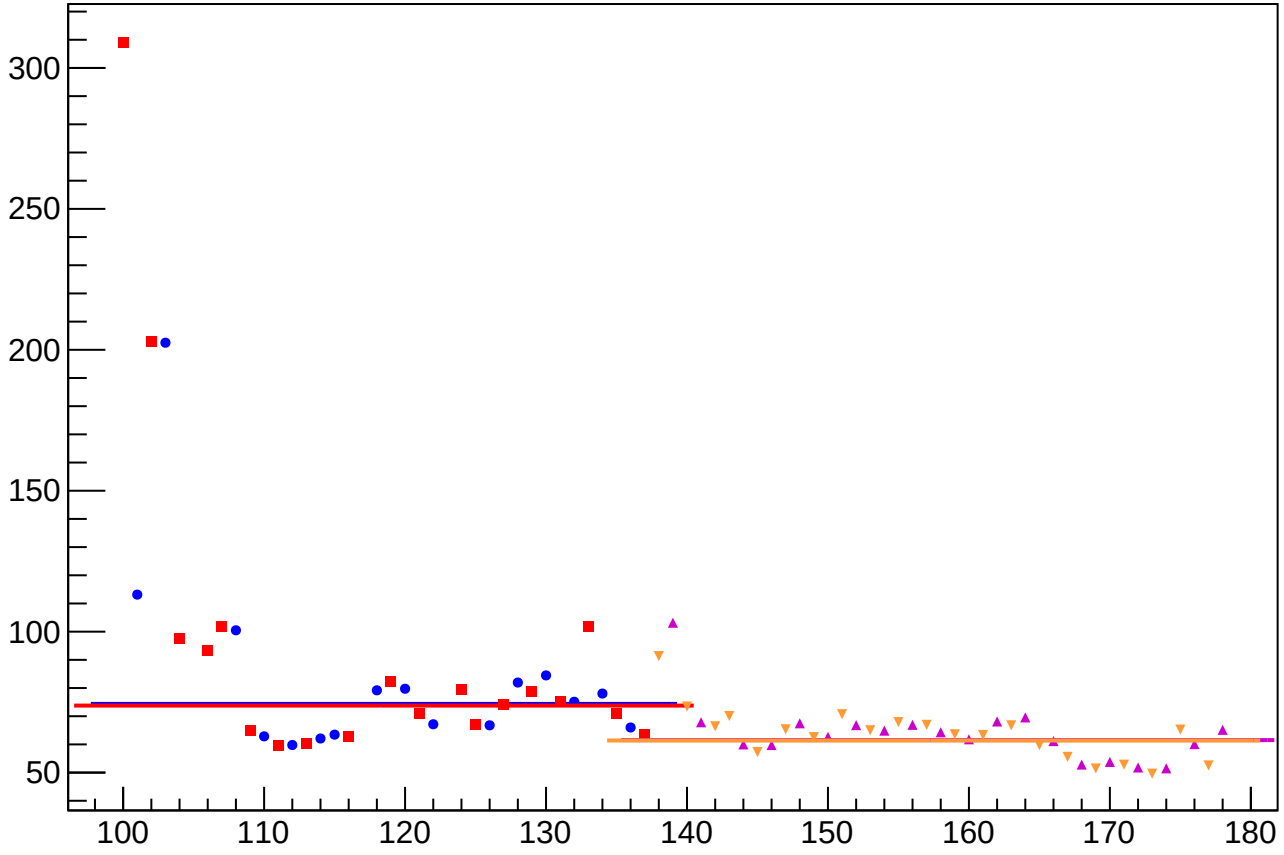
Left In: -77.451+/-15.462 χ^2/NDF:31.1/19

+ sign 54.462+/-13.505 χ^2/NDF: 71.0/36

All: -6.332+/-9.578 χ^2/NDF: 174.6/75

- sign -67.862+/-13.586 χ^2/NDF: 62.8/38

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 61.387+/-0.011 χ^2/NDF:581585.2/20

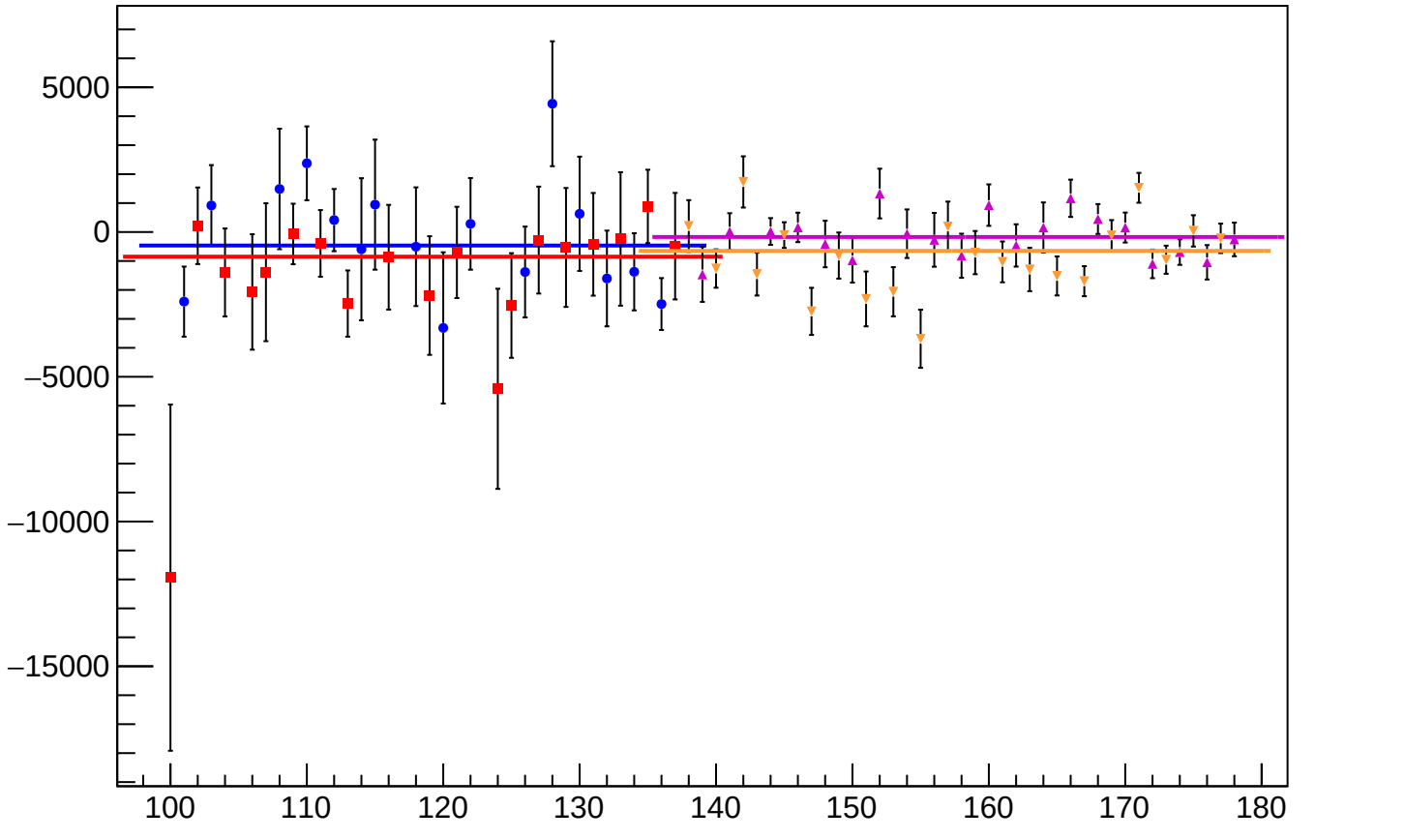
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 61.527+/-0.011 χ^2/NDF:570747.3/19

+ sign 64.219+/-0.010 χ^2/NDF: 1724418.9/36

All: 64.269+/-0.007 χ^2/NDF: 3509329.7/75

- sign 64.318+/-0.010 χ^2/NDF: 1784857.3/38



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -651.133+/-141.409 χ^2/NDF:62.7/20

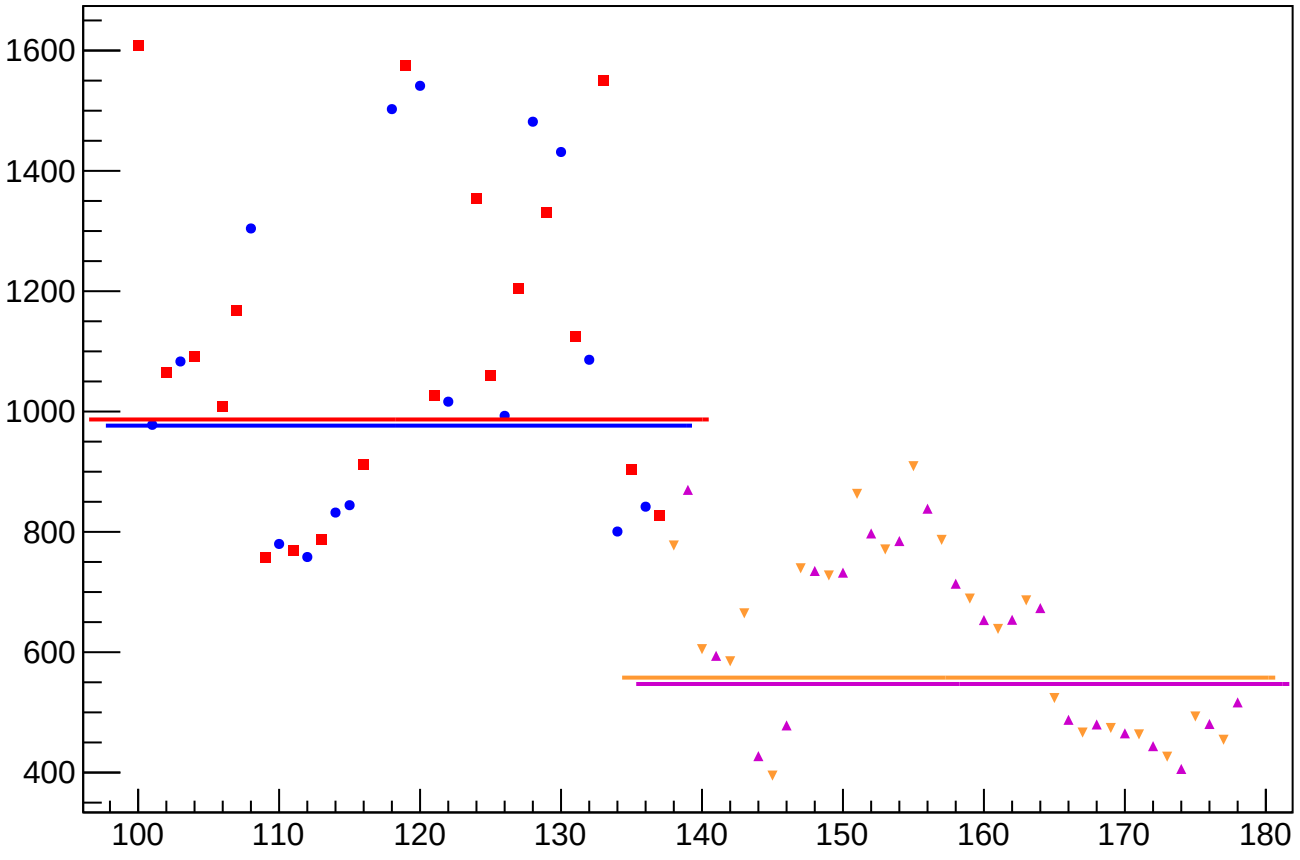
Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: -170.655+/-139.933 χ^2/NDF:23.4/19

+ sign -628.152+/-132.316 χ^2/NDF: 86.6/36

All: -439.503+/-93.100 χ^2/NDF: 129.5/75

- sign -254.528+/-131.021 χ^2/NDF: 38.9/38



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 557.771+/-0.100 χ^2/NDF:1942757.9/20

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

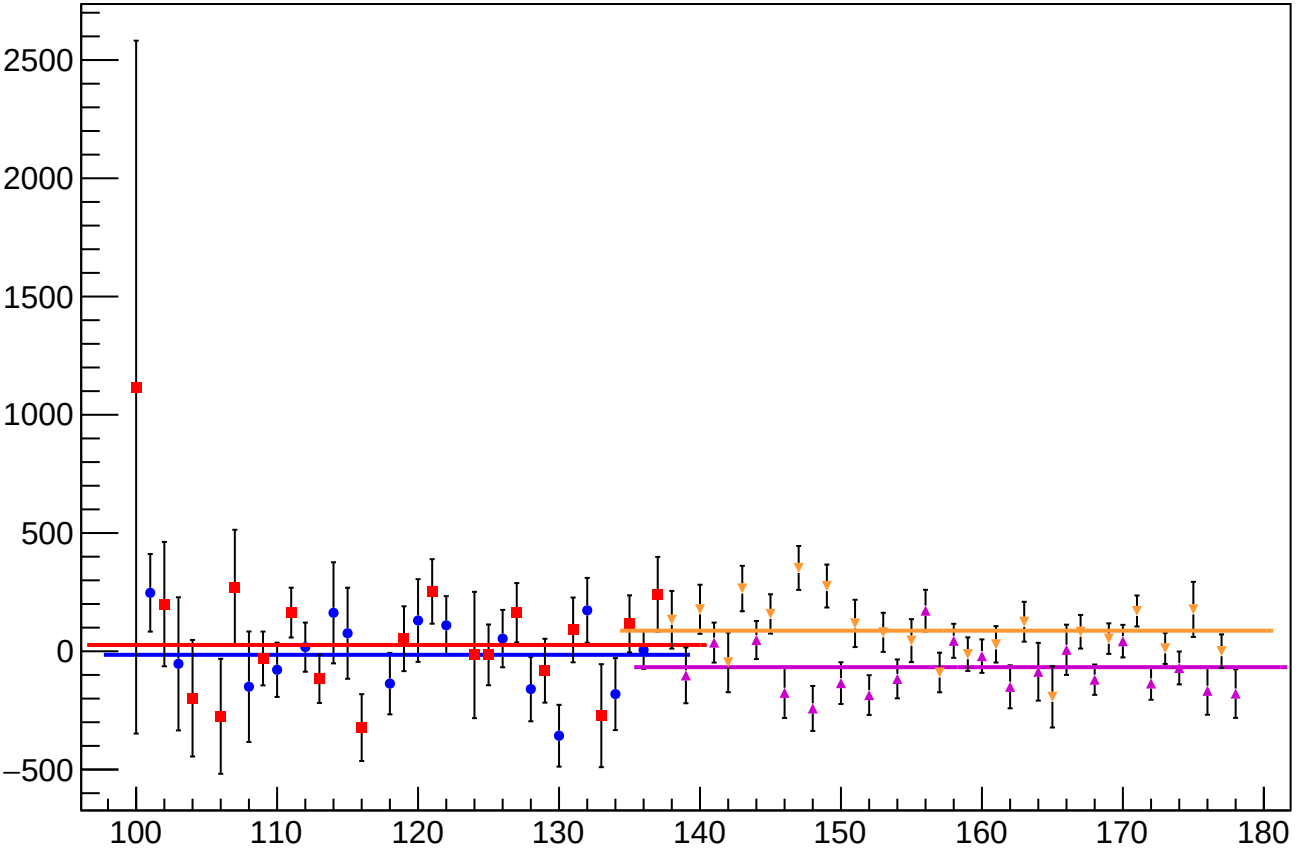
Left In: 547.175+/-0.099 χ^2/NDF:1812224.1/19

+ sign 609.904+/-0.094 χ^2/NDF: 4863168.5/36

All: 605.607+/-0.066 χ^2/NDF: 9827597.7/75

- sign 601.394+/-0.093 χ^2/NDF: 4960252.8/38

dit_asym_sam_37_avg_mean vs Slug



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 87.168+/-18.373 χ^2/NDF:36.1/20

Right Out: 26.654+/-34.073 χ^2/NDF: 23.6/18

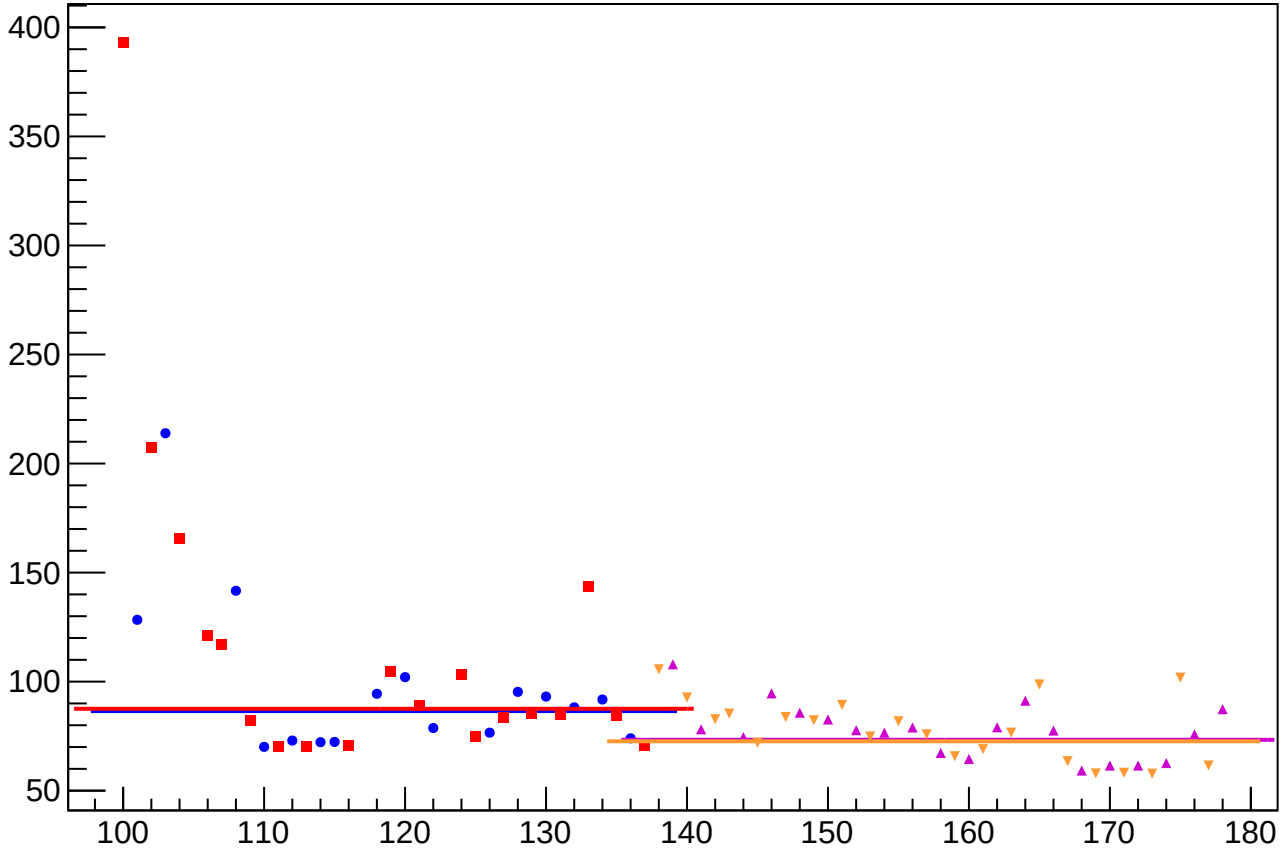
Left In: -67.138+/-18.748 χ^2/NDF:28.9/19

+ sign 63.834+/-16.138 χ^2/NDF: 61.4/36

All: 10.210+/-11.512 χ^2/NDF: 142.2/75

- sign -45.342+/-16.425 χ^2/NDF: 58.3/38

dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 72.646+/-0.013 χ^2/NDF:1019498.6/20

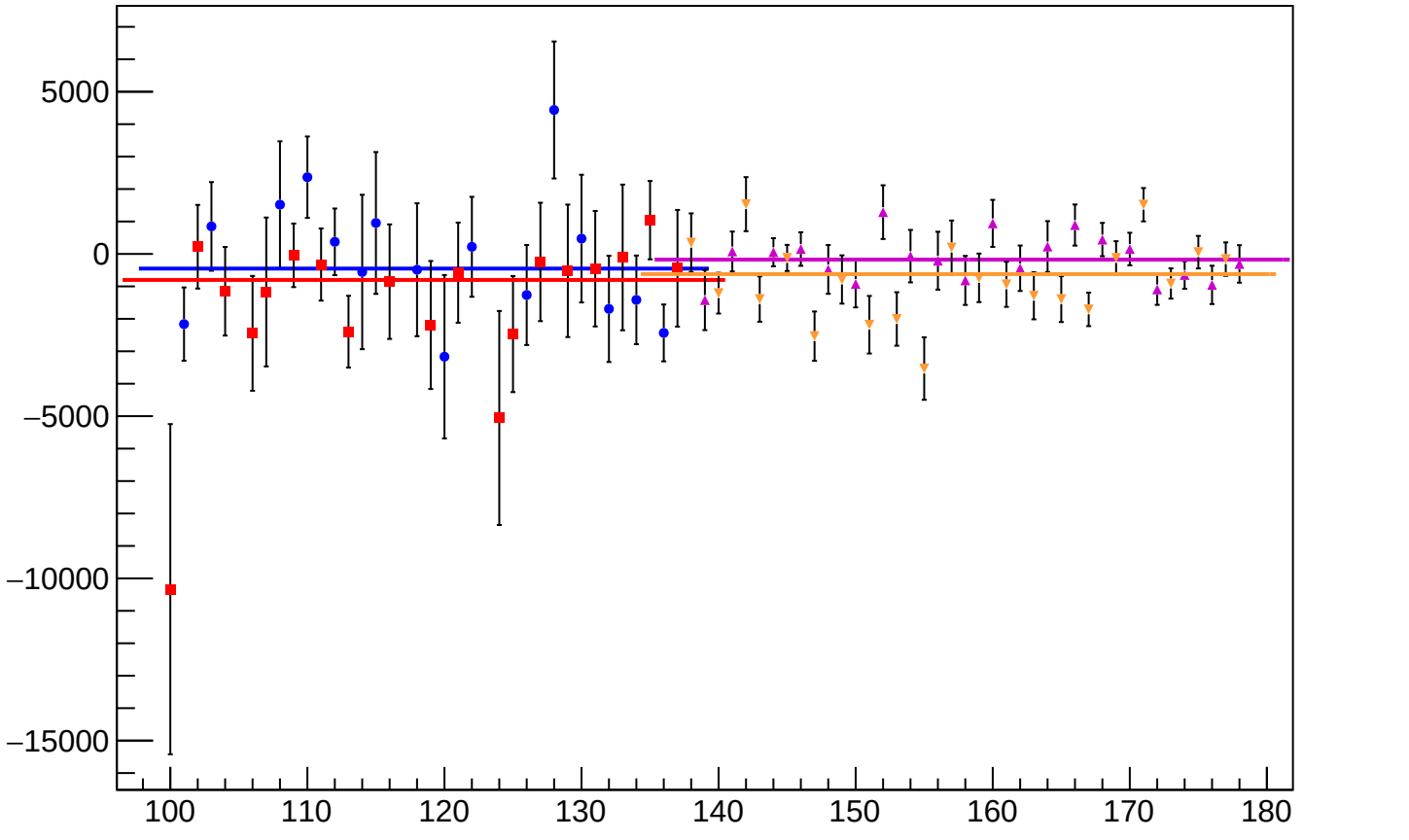
Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 73.324+/-0.013 χ^2/NDF:731457.6/19

+ sign 75.809+/-0.011 χ^2/NDF: 2135189.7/36

All: 76.213+/-0.008 χ^2/NDF: 4266783.2/75

- sign 76.631+/-0.012 χ^2/NDF: 2129043.2/38



Right In: -451.380+/-365.605 χ^2/NDF: 23.7/15

Left Out: -621.111+/-136.602 χ^2/NDF:61.8/20

Right Out: -801.206+/-357.866 χ^2/NDF: 13.6/18

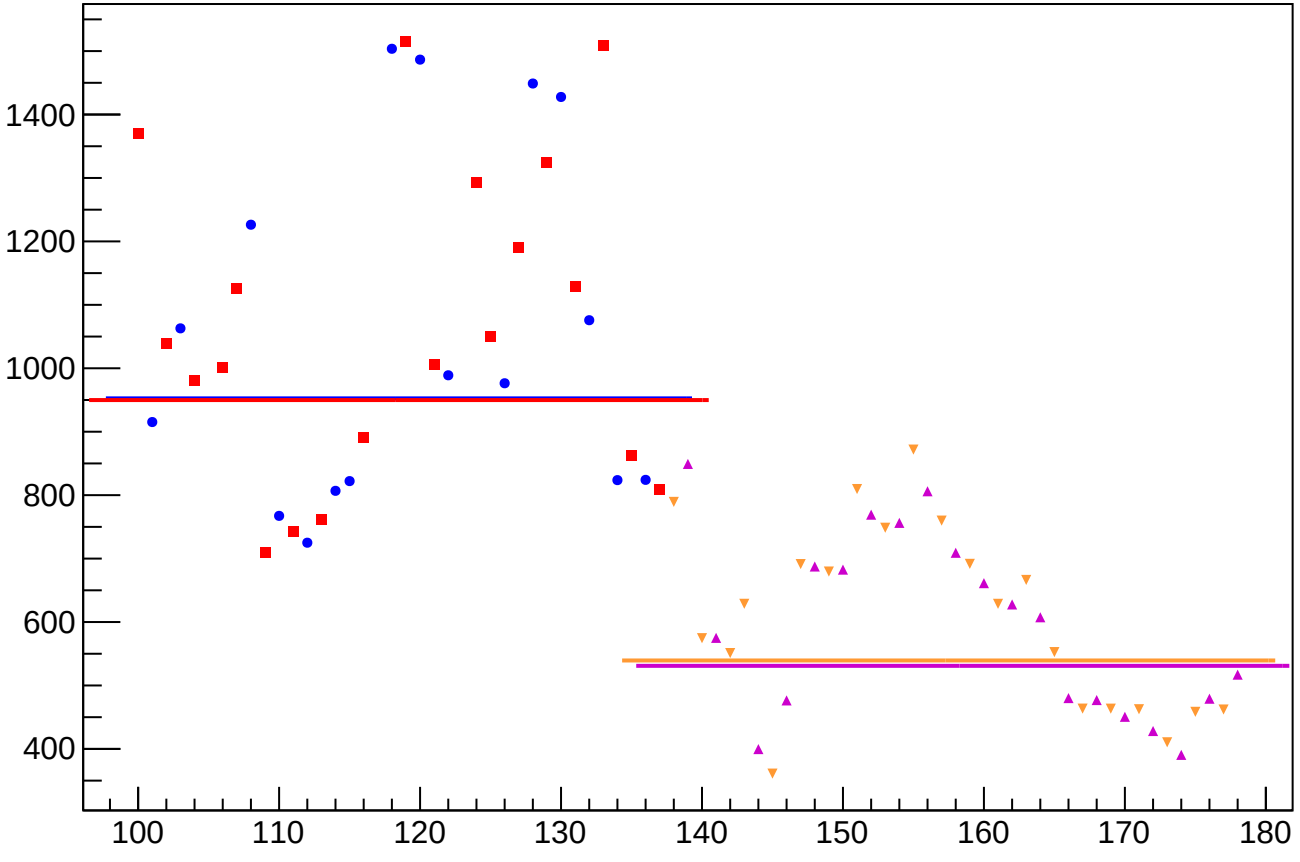
Left In: -174.219+/-135.797 χ^2/NDF:22.0/19

+ sign -600.319+/-127.962 χ^2/NDF: 85.8/36

All: -425.368+/-90.128 χ^2/NDF: 127.8/75

- sign -253.137+/-126.963 χ^2/NDF: 38.3/38

asym_sam_37_avg_dit_correction_rms vs Slug



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 539.394+/-0.097 χ^2/NDF:1986472.4/20

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

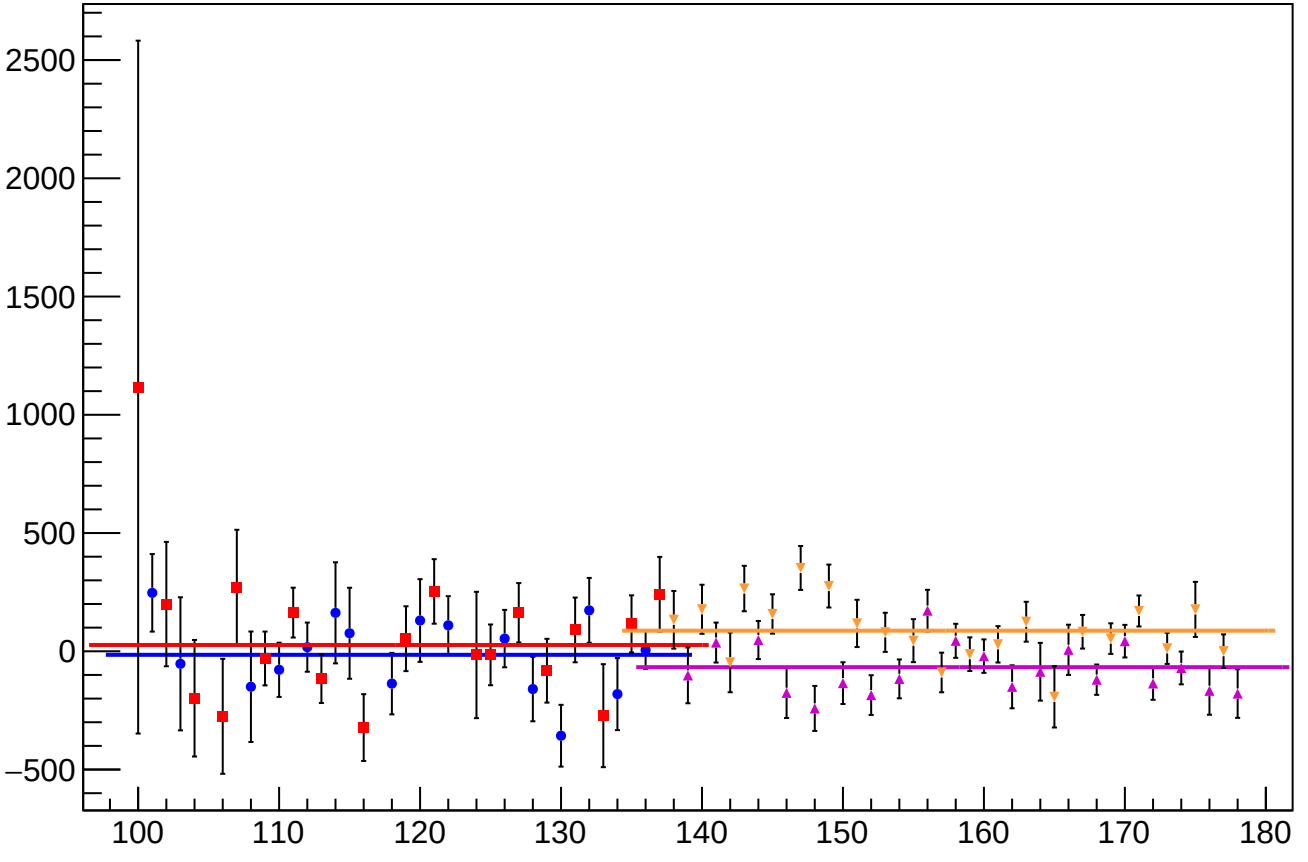
Left In: 530.956+/-0.096 χ^2/NDF:1786840.7/19

\+ sign 590.006+/-0.090 χ^2/NDF: 4974028.5/36

All: 586.822+/-0.064 χ^2/NDF: 9910852.2/75

\- sign 583.687+/-0.090 χ^2/NDF: 4934366.4/38

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 87.168+/-18.373 χ^2/NDF:36.1/20

Right Out: 26.658+/-34.073 χ^2/NDF: 23.6/18

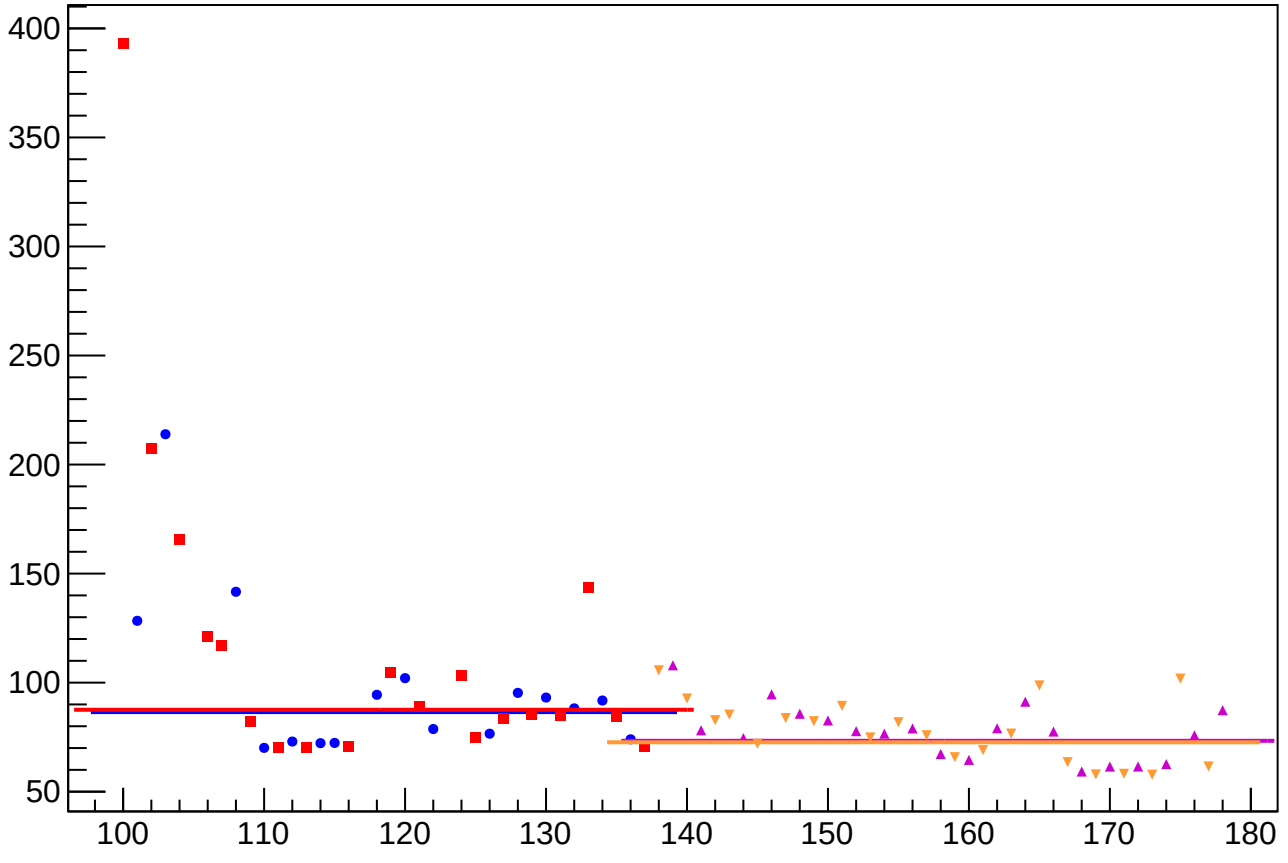
Left In: -67.137+/-18.748 χ^2/NDF:28.9/19

+ sign 63.834+/-16.138 χ^2/NDF: 61.4/36

All: 10.210+/-11.512 χ^2/NDF: 142.2/75

- sign -45.340+/-16.425 χ^2/NDF: 58.3/38

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF: 856249.6/15

Left Out: 72.646+/-0.013 χ^2/NDF:1019505.3/20

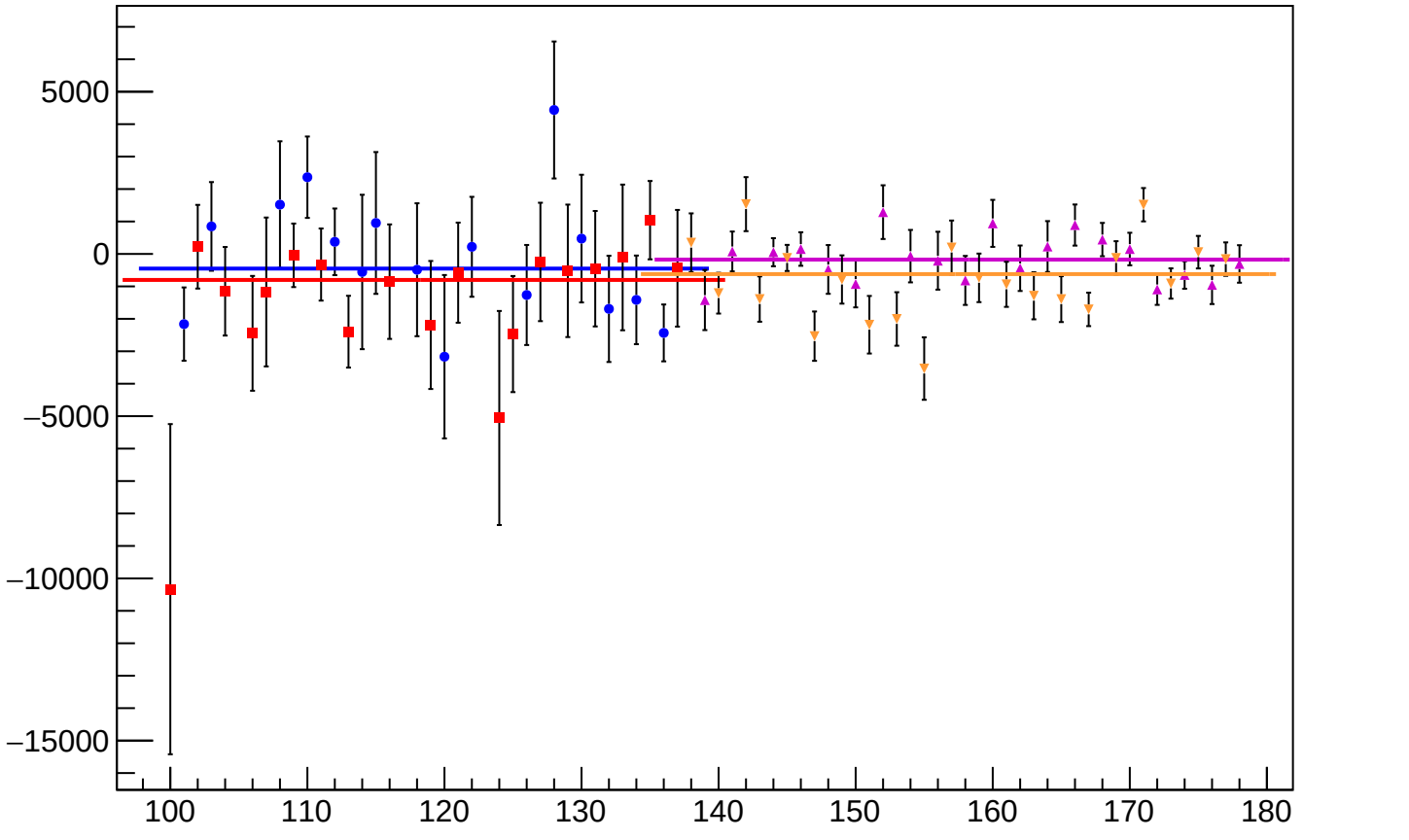
Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 73.324+/-0.013 χ^2/NDF:731462.7/19

+ sign 75.809+/-0.011 χ^2/NDF: 2135190.5/36

All: 76.213+/-0.008 χ^2/NDF: 4266793.1/75

- sign 76.631+/-0.012 χ^2/NDF: 2129052.3/38



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: -621.112+/-136.602 χ^2/NDF:61.8/20

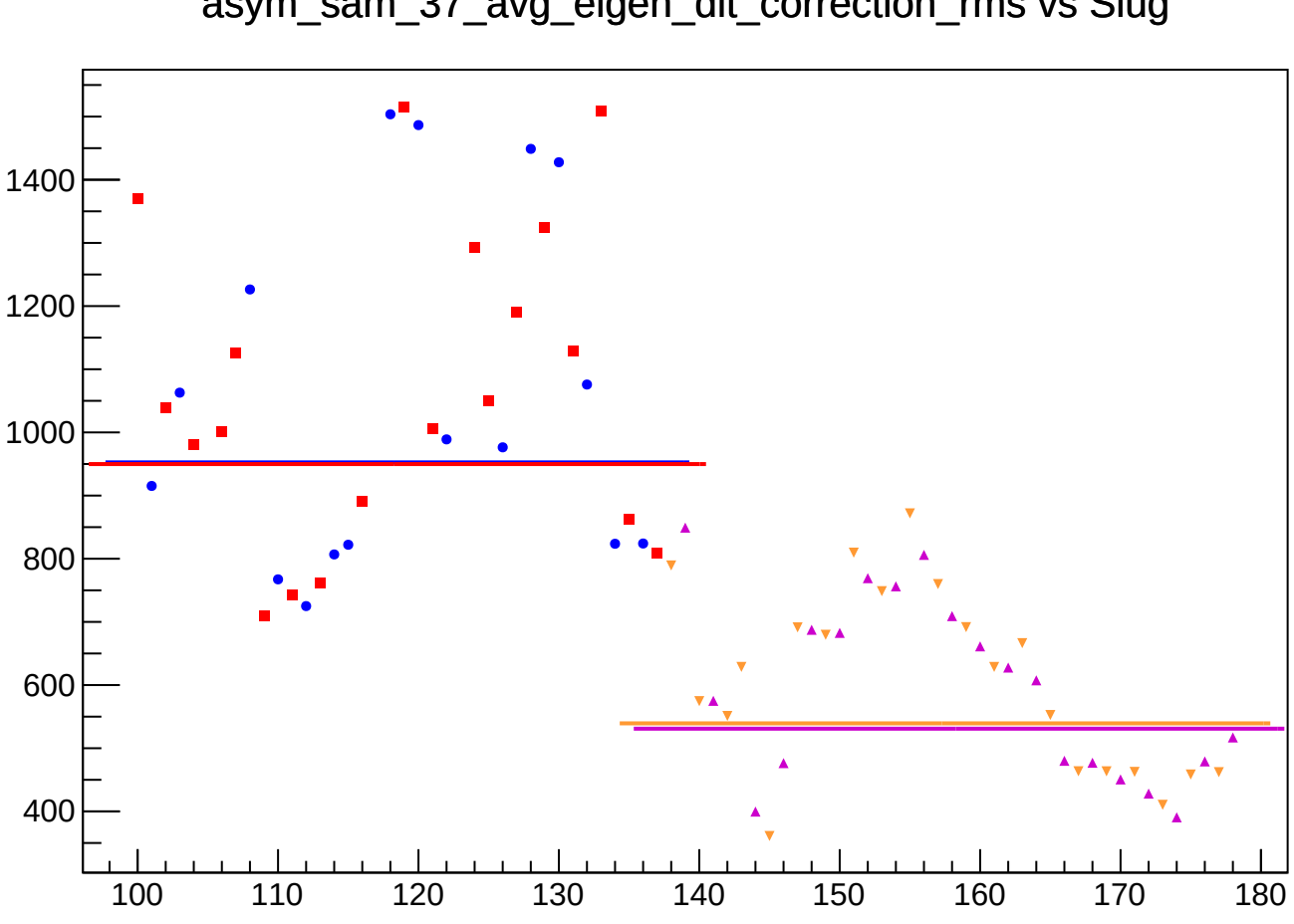
Right Out: -801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: -174.218+/-135.797 χ^2/NDF:22.0/19

+ sign -600.320+/-127.962 χ^2/NDF: 85.8/36

All: -425.368+/-90.128 χ^2/NDF: 127.8/75

- sign -253.136+/-126.963 χ^2/NDF: 38.3/38



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 539.393+/-0.097 χ^2/NDF:1986467.8/20

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

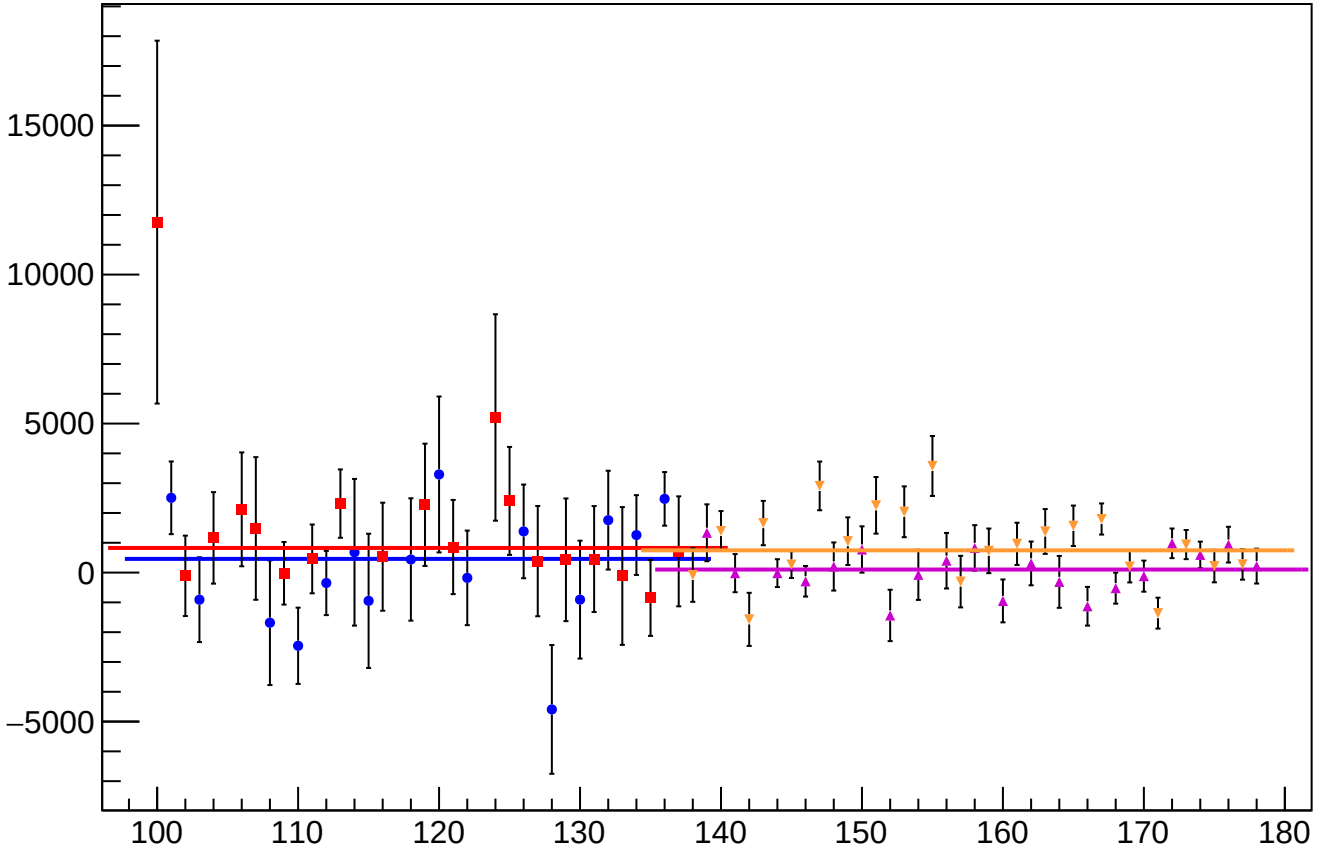
Left In: 530.956+/-0.096 χ^2/NDF:1786834.9/19

+ sign 590.005+/-0.090 χ^2/NDF: 4974018.4/36

All: 586.821+/-0.064 χ^2/NDF: 9910825.9/75

- sign 583.687+/-0.090 χ^2/NDF: 4934350.3/38

asym_sam_37_avg_mean vs Slug



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 745.800+/-142.345 χ^2/NDF:58.4/20

Right Out: 826.531+/-374.244 χ^2/NDF: 11.7/18

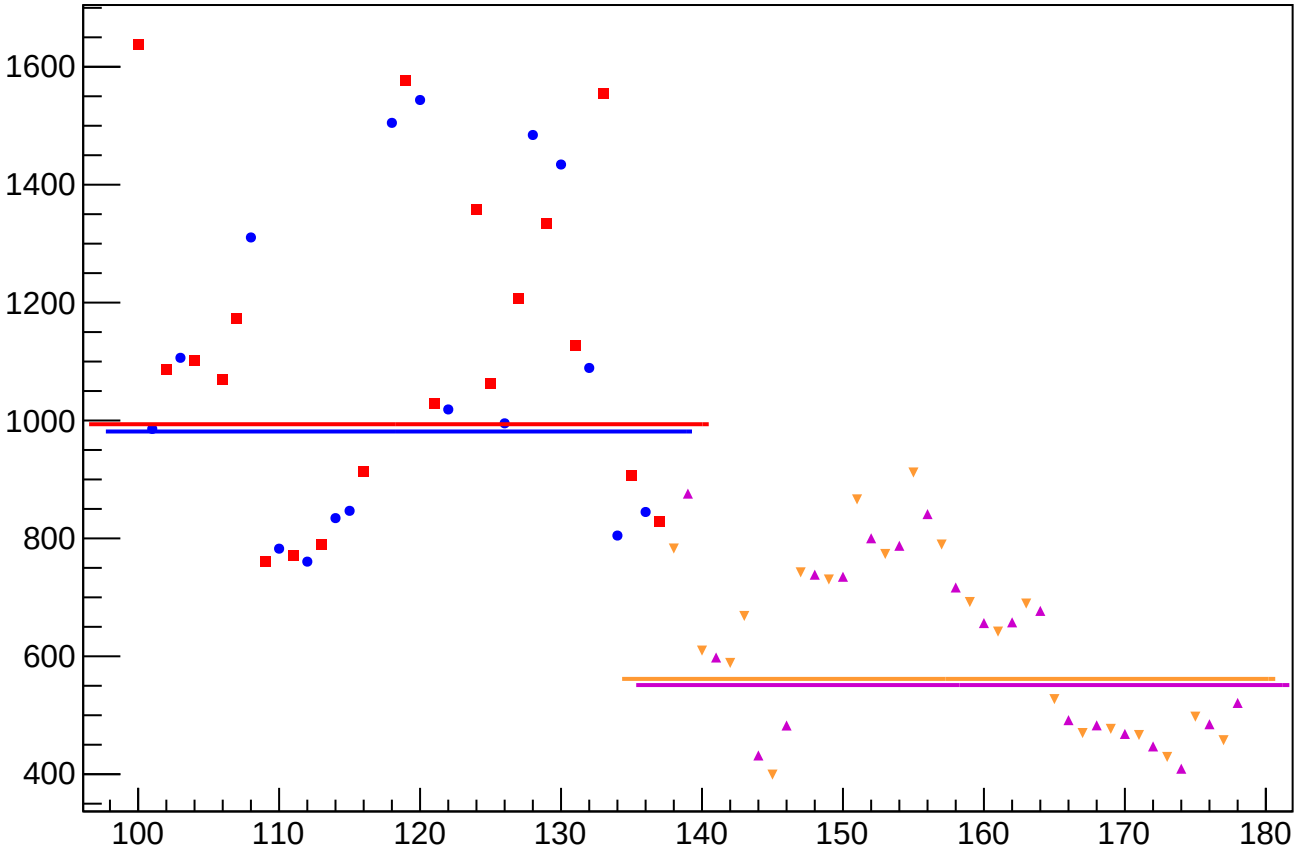
Left In: 101.620+/-140.910 χ^2/NDF:21.4/19

+ sign 710.011+/-133.163 χ^2/NDF: 83.5/36

All: 448.294+/-93.701 χ^2/NDF: 127.4/75

- sign 191.628+/-131.872 χ^2/NDF: 36.3/38

asym_sam_37_avg_rms vs Slug



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 561.682+/-0.101 χ^2/NDF:1917687.7/20

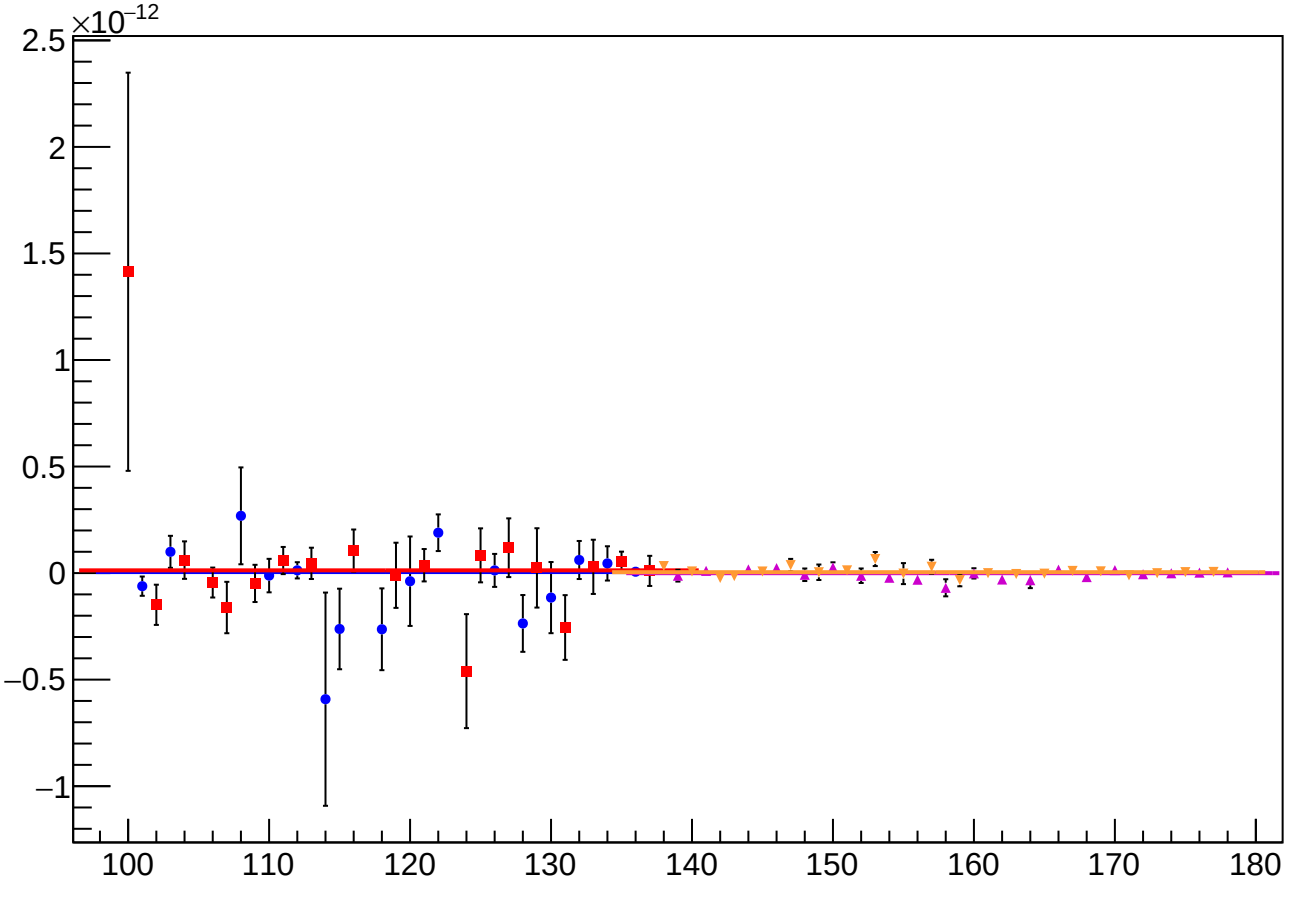
Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 551.212+/-0.100 χ^2/NDF:1788414.2/19

+ sign 614.076+/-0.094 χ^2/NDF: 4825682.2/36

All: 610.075+/-0.066 χ^2/NDF: 9786055.7/75

- sign 606.151+/-0.093 χ^2/NDF: 4956797.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

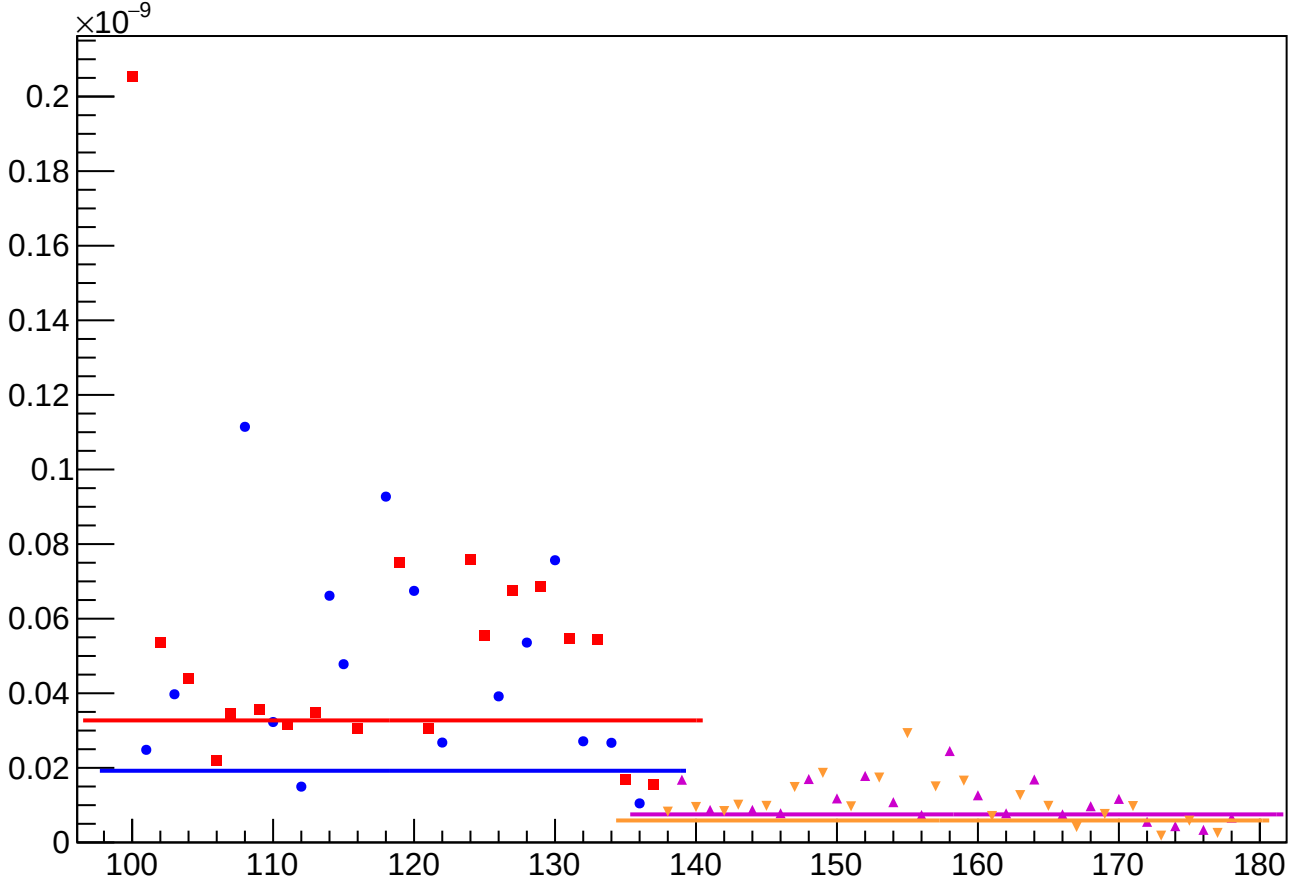
Left In: -0.000+/-0.000 χ^2/NDF:18.4/19

+ sign 0.000+/-0.000 χ^2/NDF: 34.0/36

All: 0.000+/-0.000 χ^2/NDF: 72.0/75

- sign -0.000+/-0.000 χ^2/NDF: 37.2/38

asym_sam_37_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1977908.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3512110.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1181327.3/18

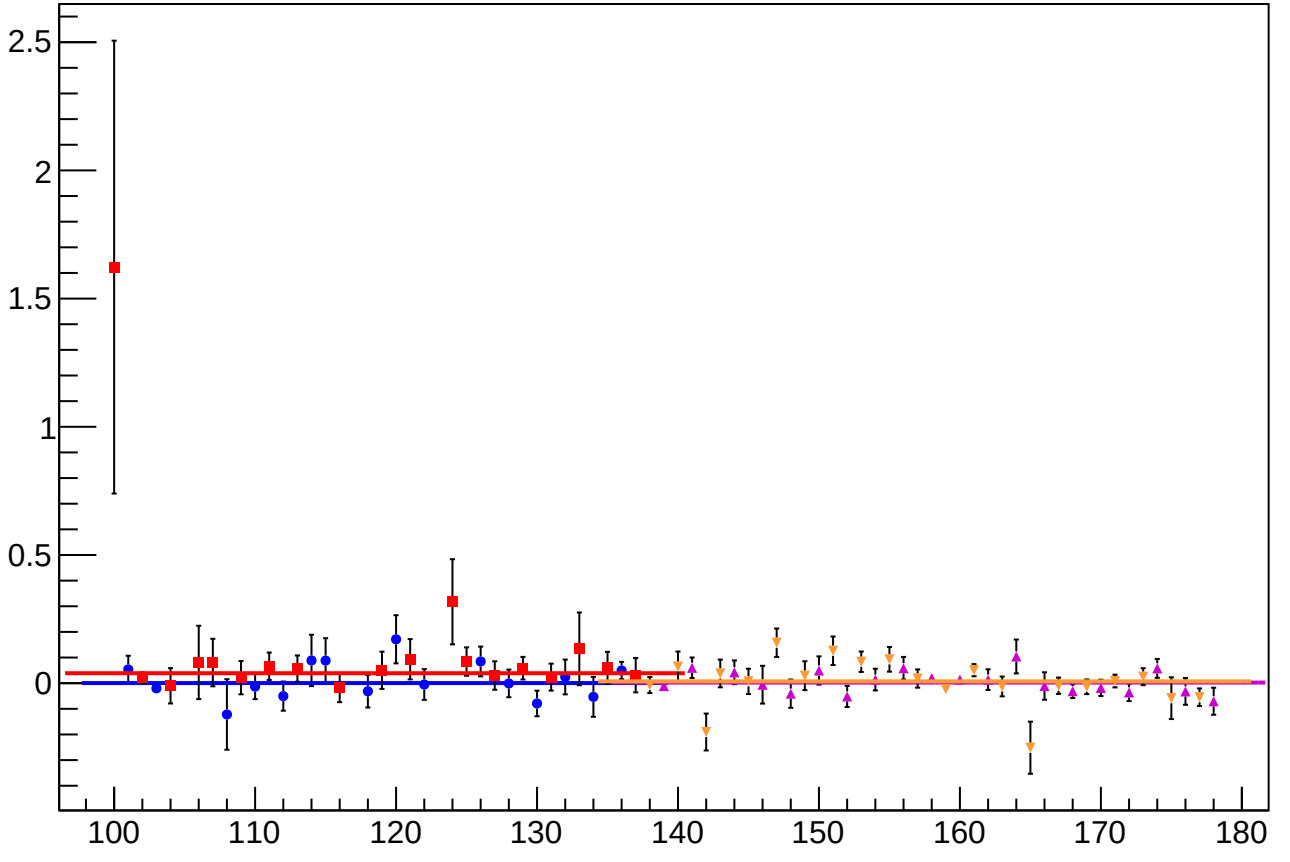
Left In: 0.000+/-0.000 χ^2/NDF:2099306.2/19

+ sign 0.000+/-0.000 χ^2/NDF: 7114814.5/36

All: 0.000+/-0.000 χ^2/NDF: 13536229.2/75

- sign 0.000+/-0.000 χ^2/NDF: 6138184.9/38

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: 0.007+/-0.008 χ^2/NDF:46.8/20

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

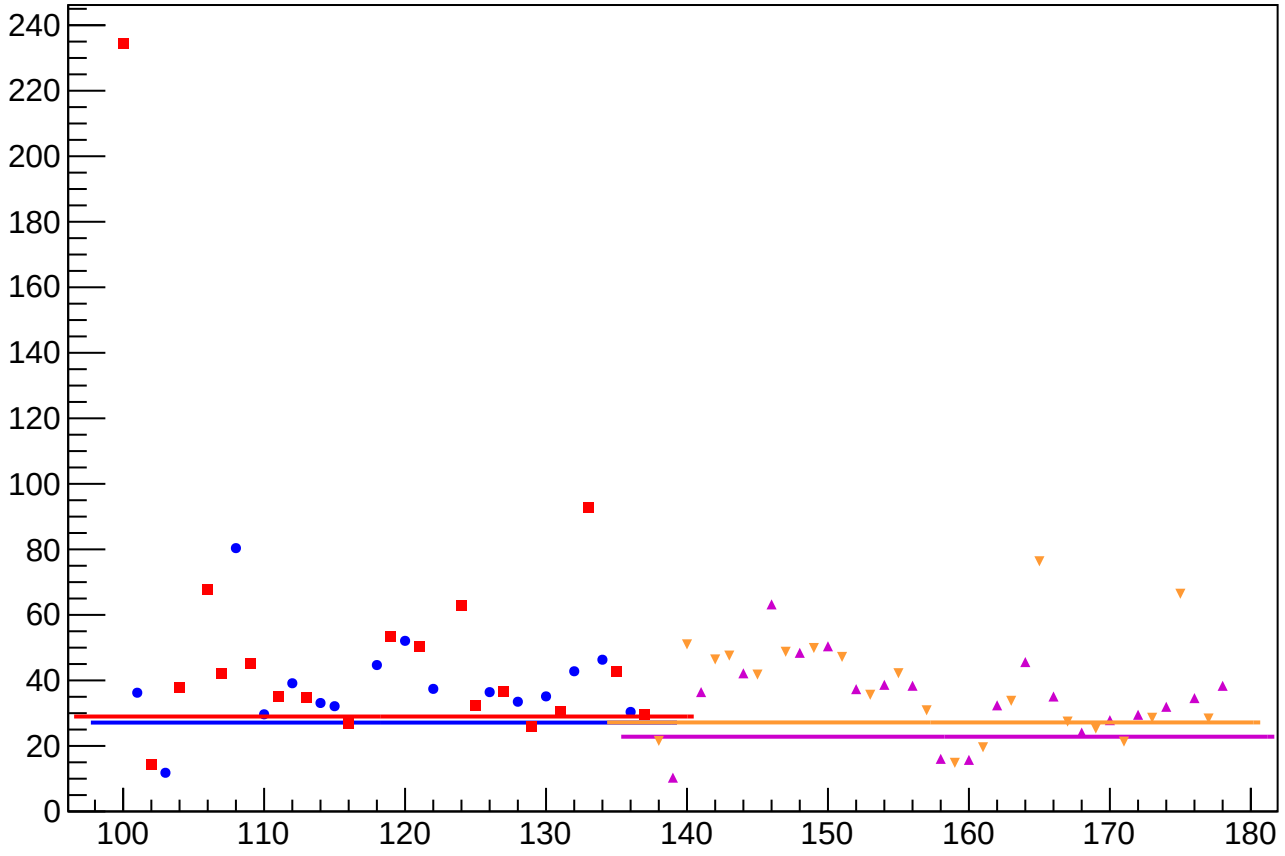
Left In: 0.002+/-0.007 χ^2/NDF:20.4/19

+ sign 0.005+/-0.006 χ^2/NDF: 63.5/36

All: 0.008+/-0.004 χ^2/NDF: 101.8/75

- sign 0.011+/-0.006 χ^2/NDF: 37.8/38

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: 27.173+/-0.005 χ^2/NDF:4630758.2/20

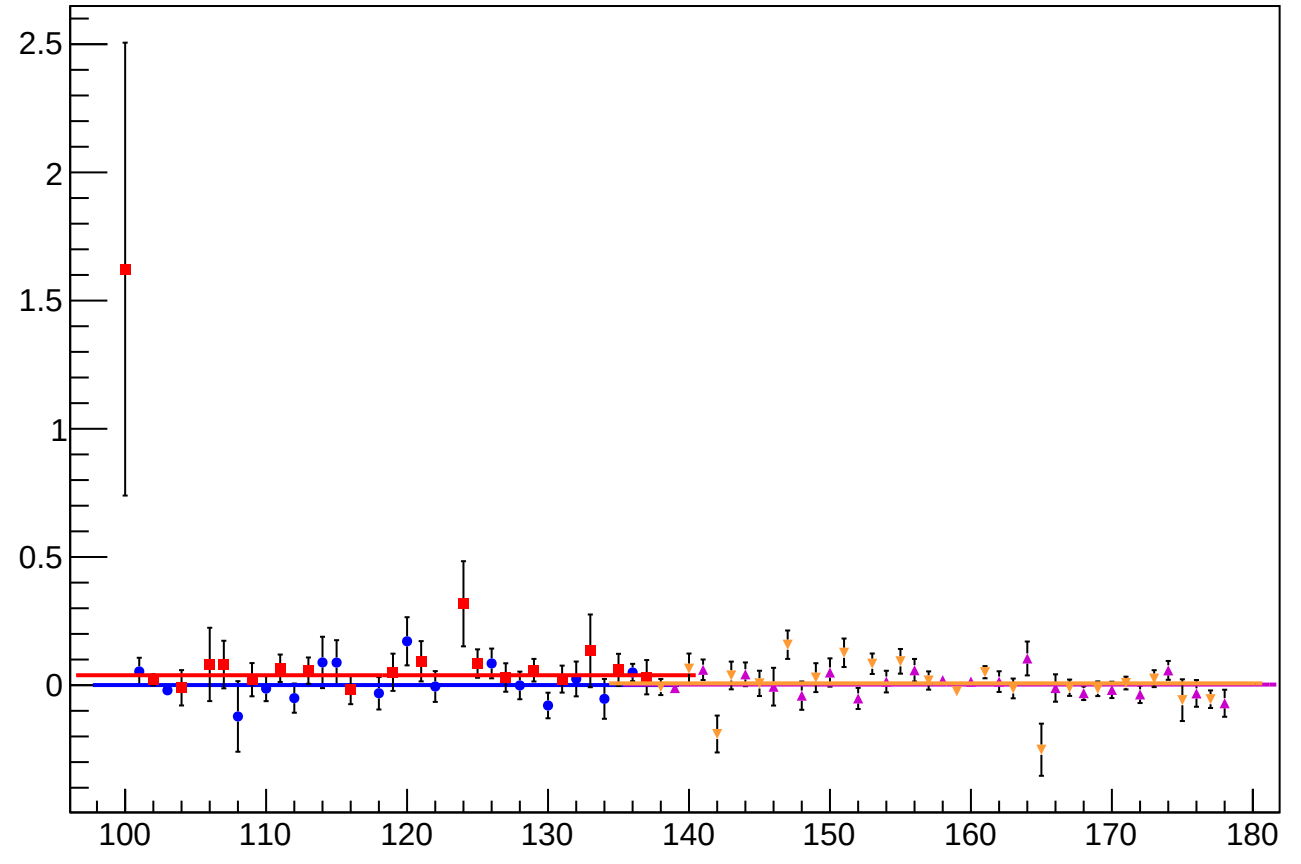
Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 22.816+/-0.005 χ^2/NDF:6212712.3/19

+ sign 27.160+/-0.005 χ^2/NDF: 7046094.3/36

All: 25.584+/-0.003 χ^2/NDF: 16305160.1/75

- sign 24.215+/-0.004 χ^2/NDF: 9036683.7/38



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.007+/-0.008 χ^2/NDF:46.8/20

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

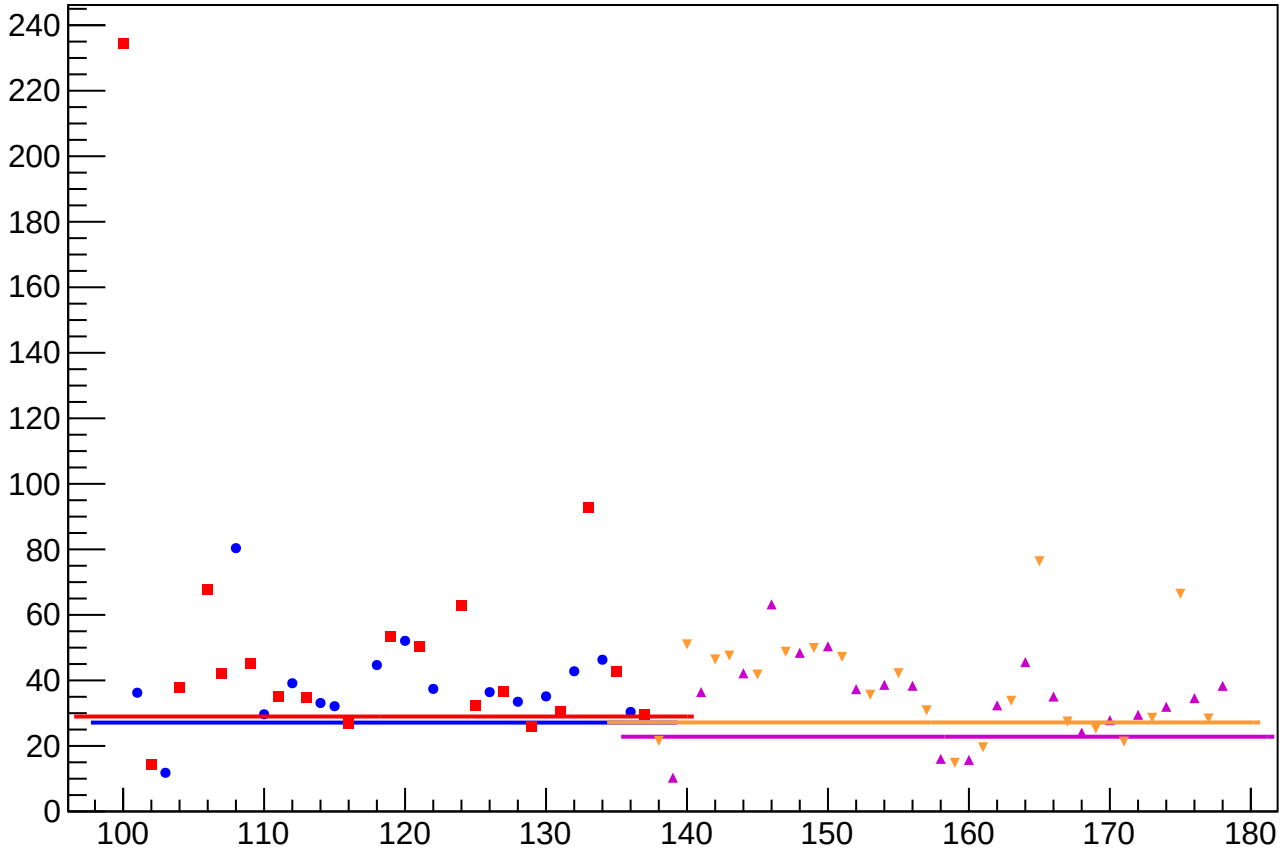
Left In: 0.002+/-0.007 χ^2/NDF:20.4/19

+ sign 0.005+/-0.006 χ^2/NDF: 63.5/36

All: 0.008+/-0.004 χ^2/NDF: 101.8/75

- sign 0.011+/-0.006 χ^2/NDF: 37.8/38

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: 27.173+/-0.005 χ^2/NDF:4630758.2/20

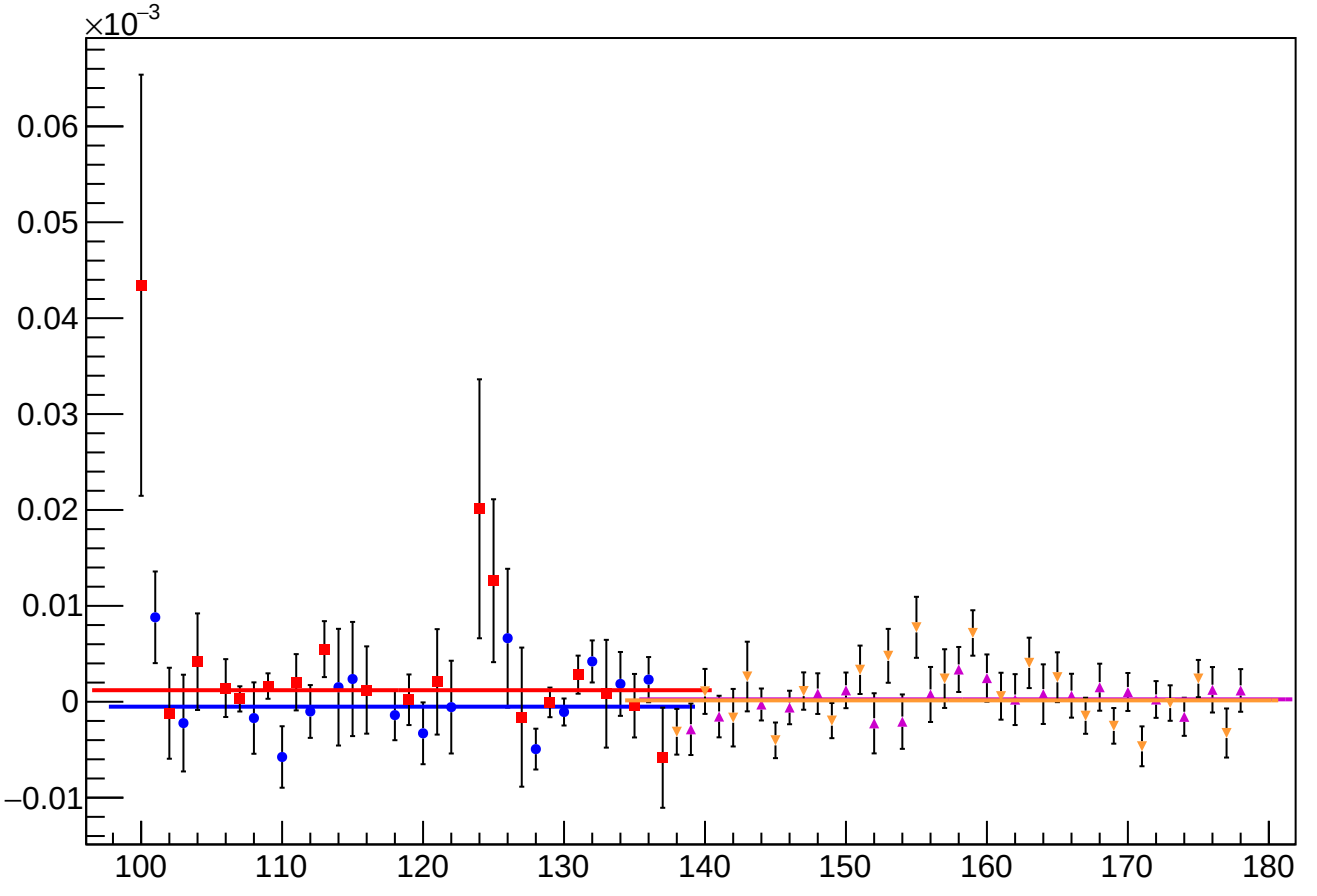
Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 22.816+/-0.005 χ^2/NDF:6212712.3/19

+ sign 27.160+/-0.005 χ^2/NDF: 7046094.3/36

All: 25.584+/-0.003 χ^2/NDF: 16305160.1/75

- sign 24.215+/-0.004 χ^2/NDF: 9036683.7/38



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:43.2/20

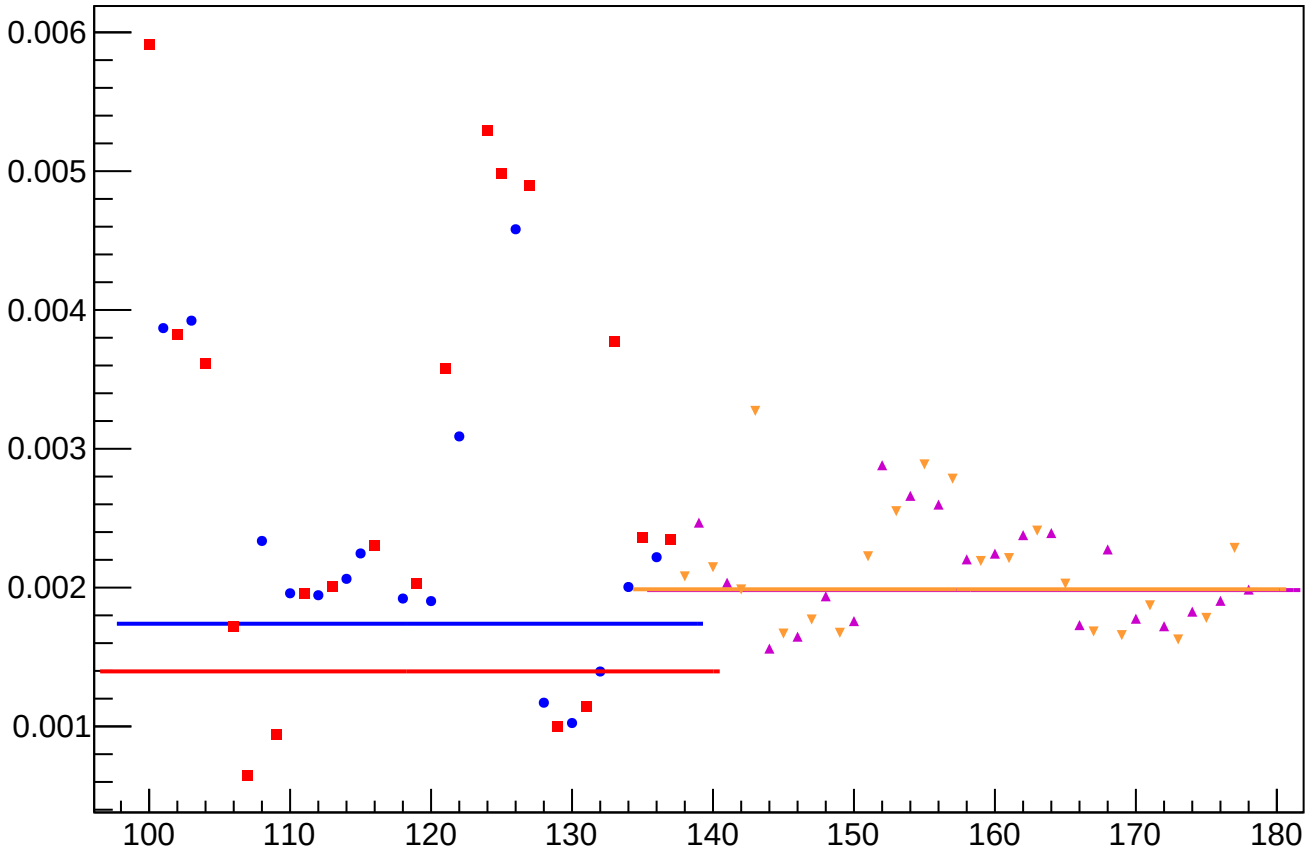
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:8.3/19

+ sign -0.000+/-0.000 χ^2/NDF: 63.8/36

All: 0.000+/-0.000 χ^2/NDF: 89.7/75

- sign 0.000+/-0.000 χ^2/NDF: 24.4/38



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:1129804.2/20

Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

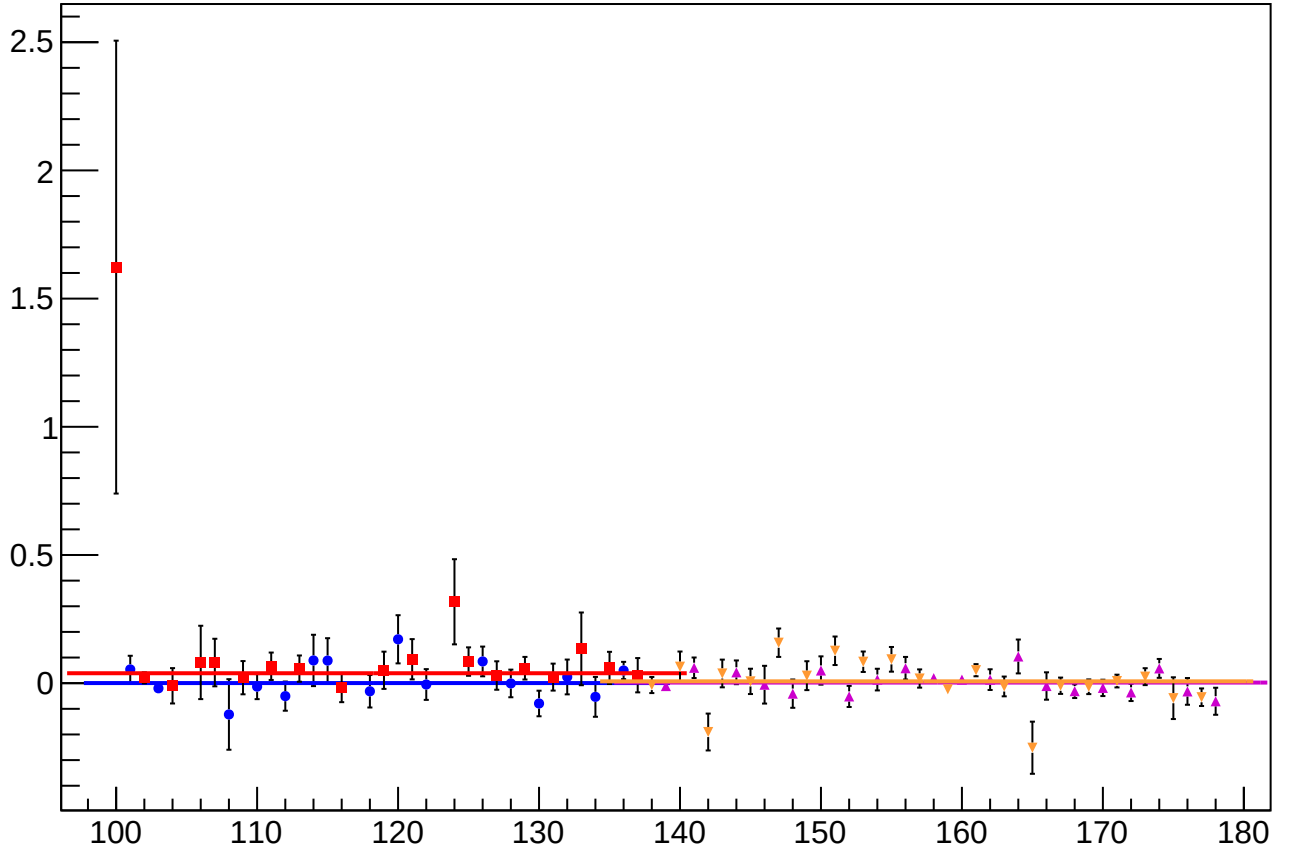
Left In: 0.002+/-0.000 χ^2/NDF:915256.0/19

+ sign 0.002+/-0.000 χ^2/NDF: 3438353.2/36

All: 0.002+/-0.000 χ^2/NDF: 9937241.9/75

- sign 0.002+/-0.000 χ^2/NDF: 6338773.5/38

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.007+/-0.008 χ^2/NDF:46.8/20

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

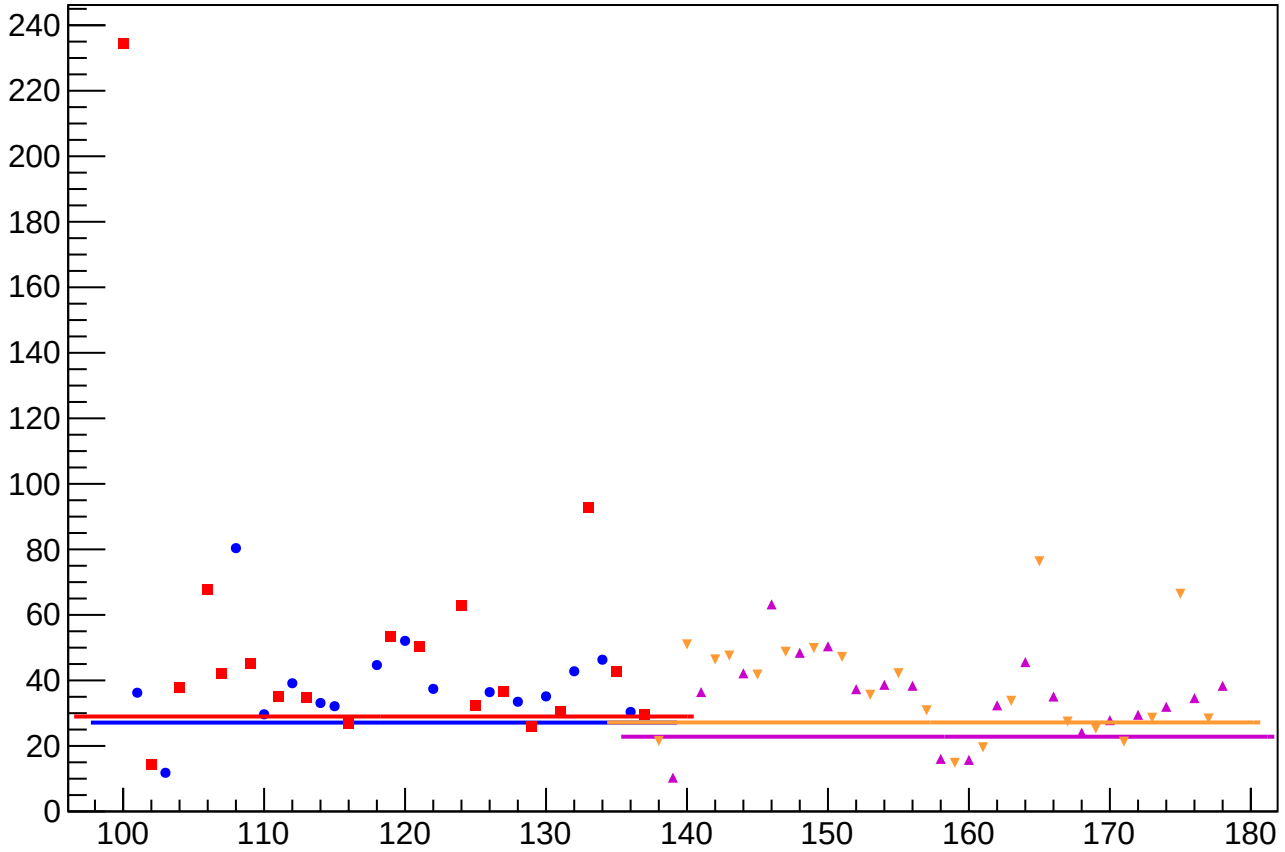
Left In: 0.002+/-0.007 χ^2/NDF:20.4/19

+ sign 0.005+/-0.006 χ^2/NDF: 63.5/36

All: 0.008+/-0.004 χ^2/NDF: 101.8/75

- sign 0.011+/-0.006 χ^2/NDF: 37.8/38

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: 27.173+/-0.005 χ^2/NDF:4631185.0/20

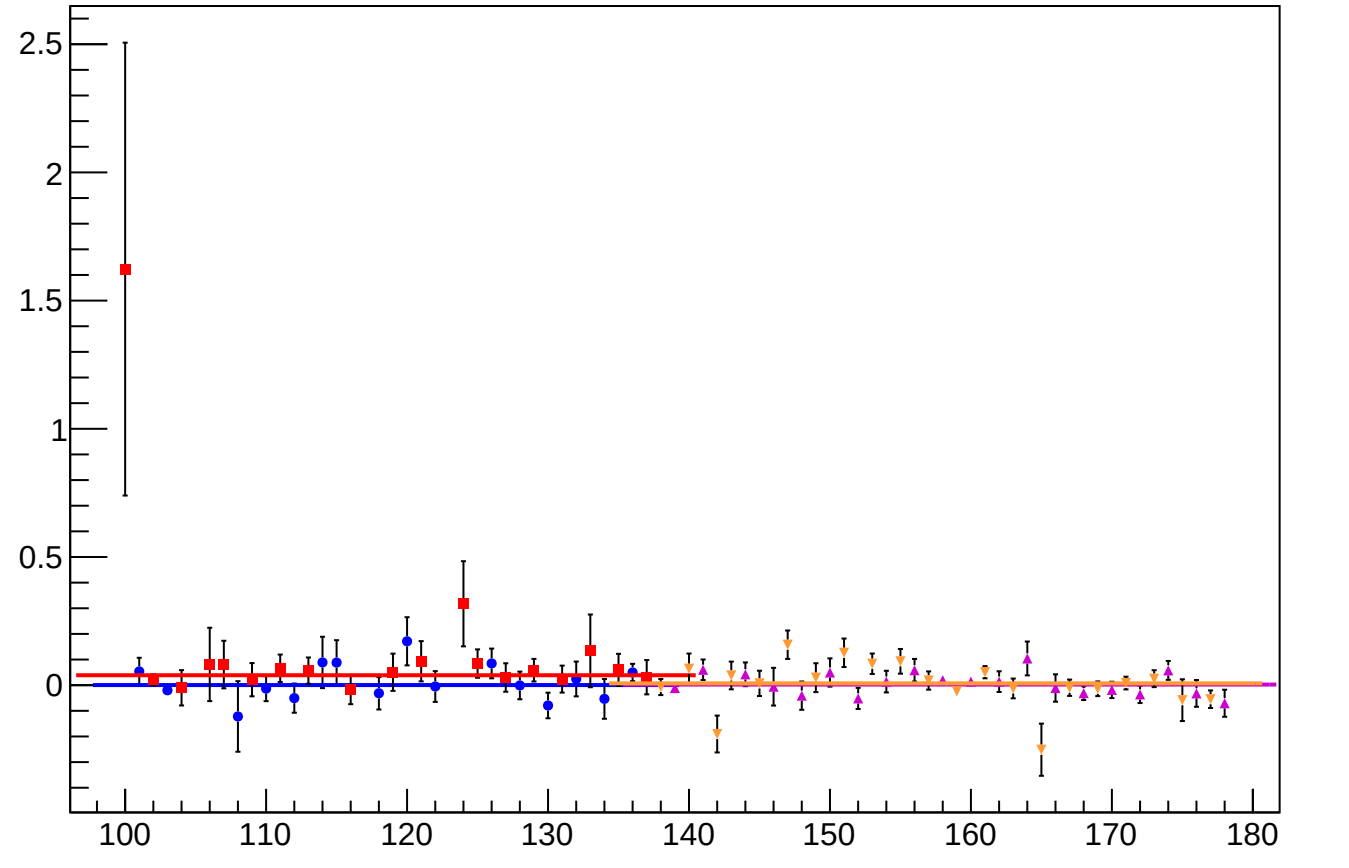
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 22.815+/-0.005 χ^2/NDF:6213697.6/19

+ sign 27.160+/-0.005 χ^2/NDF: 7046856.7/36

All: 25.584+/-0.003 χ^2/NDF: 16306734.4/75

- sign 24.215+/-0.004 χ^2/NDF: 9037497.3/38



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.007+/-0.008 χ^2/NDF:46.8/20

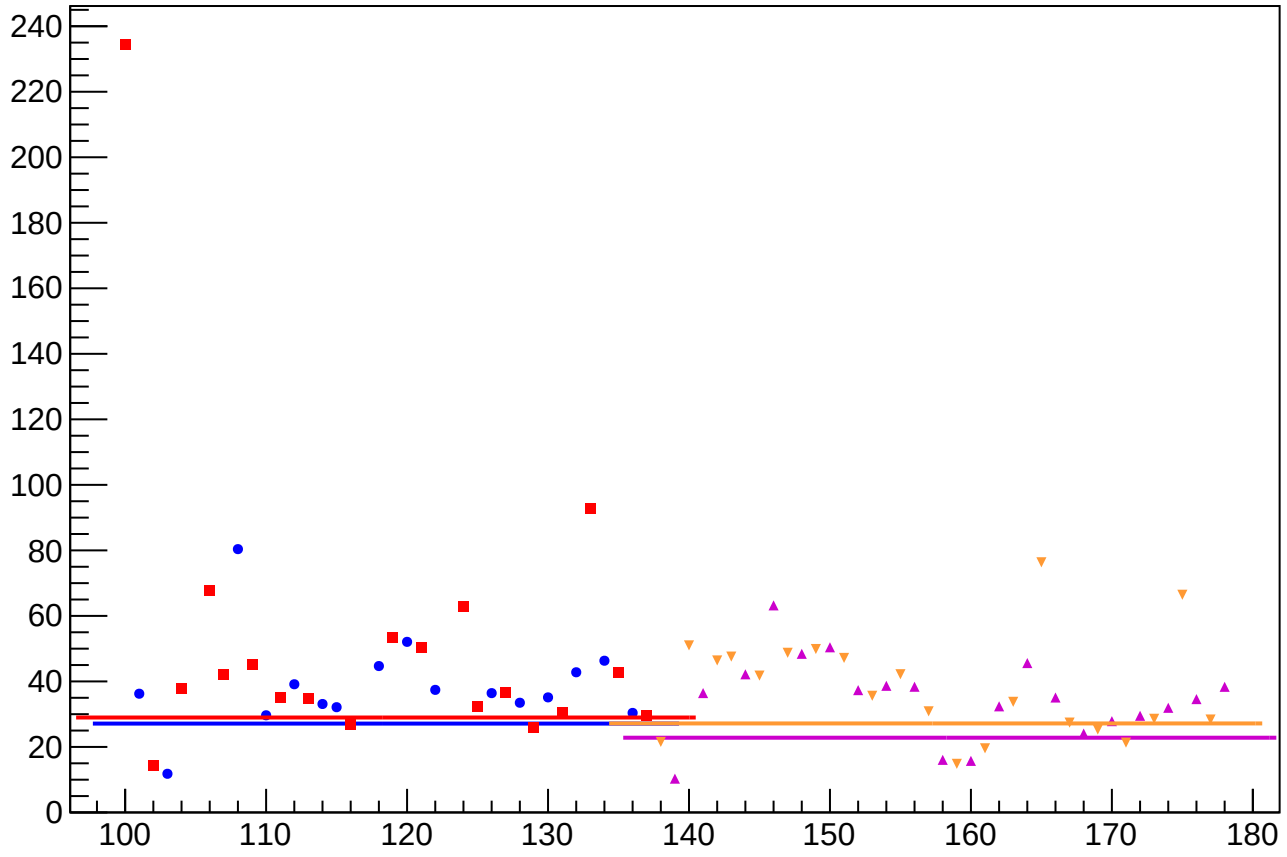
Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.002+/-0.007 χ^2/NDF:20.4/19

+ sign 0.005+/-0.006 χ^2/NDF: 63.5/36

All: 0.008+/-0.004 χ^2/NDF: 101.8/75

- sign 0.011+/-0.006 χ^2/NDF: 37.8/38



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 27.173+/-0.005 χ^2/NDF:4631185.0/20

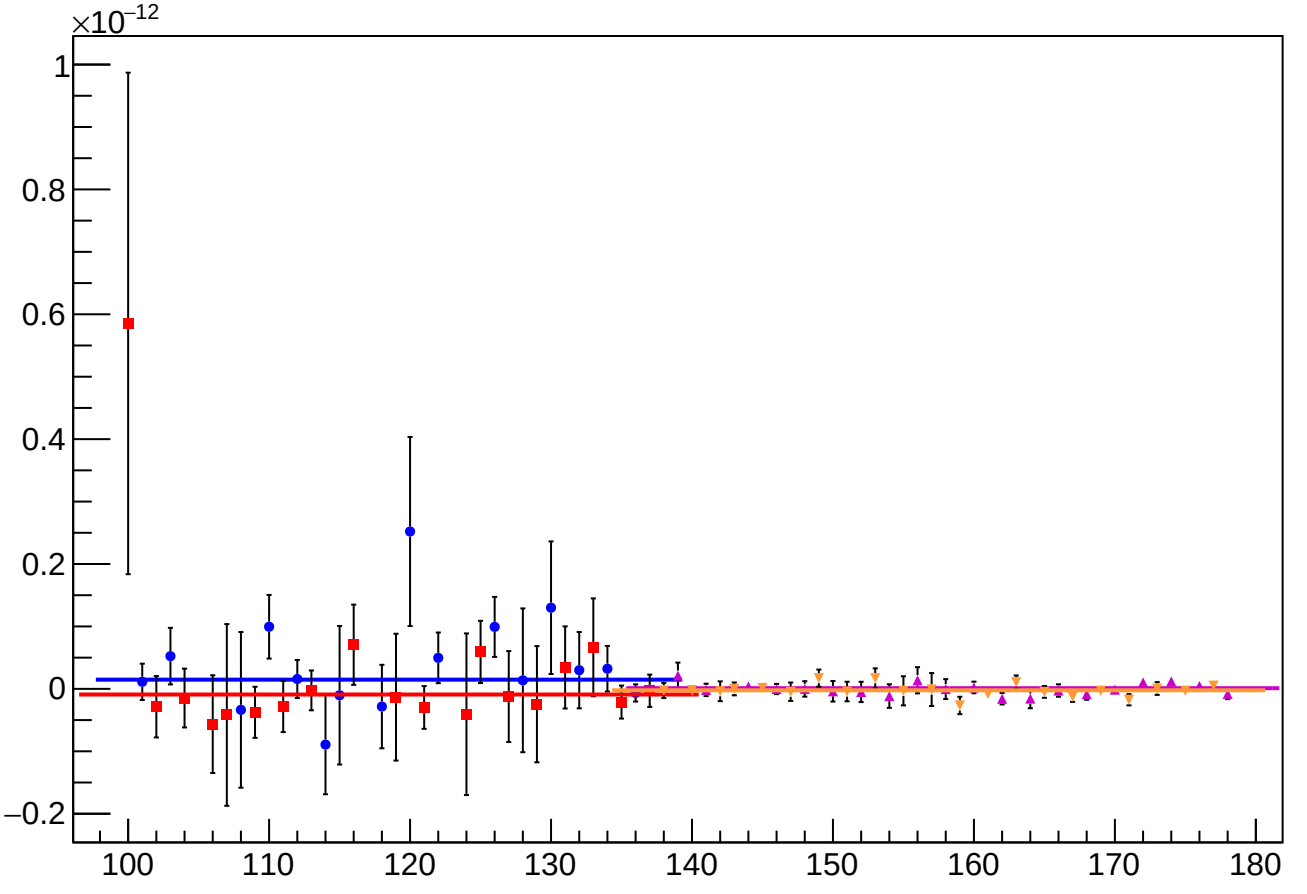
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 22.815+/-0.005 χ^2/NDF:6213697.6/19

+ sign 27.160+/-0.005 χ^2/NDF: 7046856.7/36

All: 25.584+/-0.003 χ^2/NDF: 16306734.4/75

- sign 24.215+/-0.004 χ^2/NDF: 9037497.3/38



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.0/20

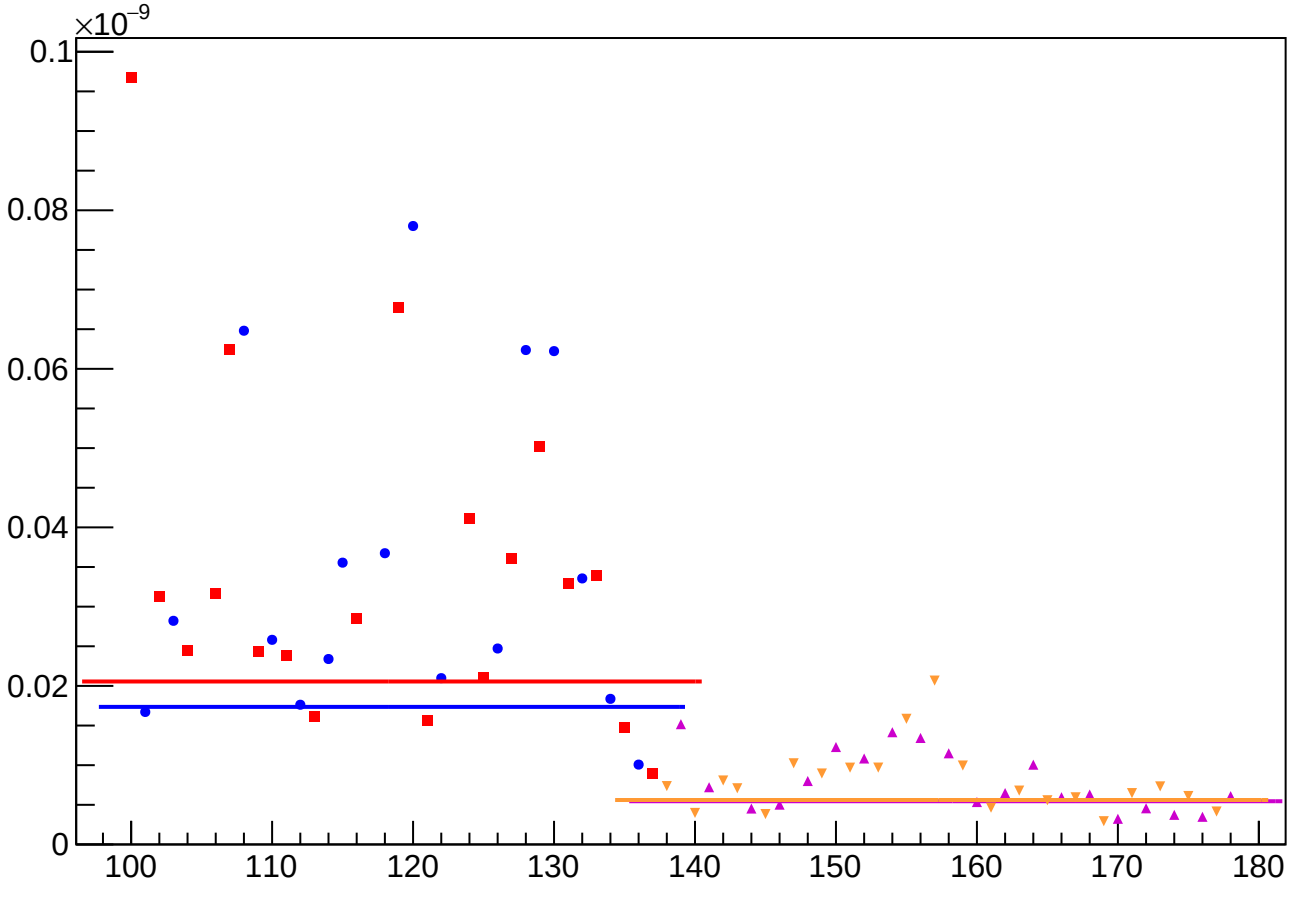
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: 0.000+/-0.000 χ^2/NDF:15.1/19

+ sign -0.000+/-0.000 χ^2/NDF: 34.1/36

All: -0.000+/-0.000 χ^2/NDF: 59.7/75

- sign 0.000+/-0.000 χ^2/NDF: 25.0/38



Right In: 0.000+/-0.000 χ^2/NDF: 2442014.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2930670.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1925673.6/18

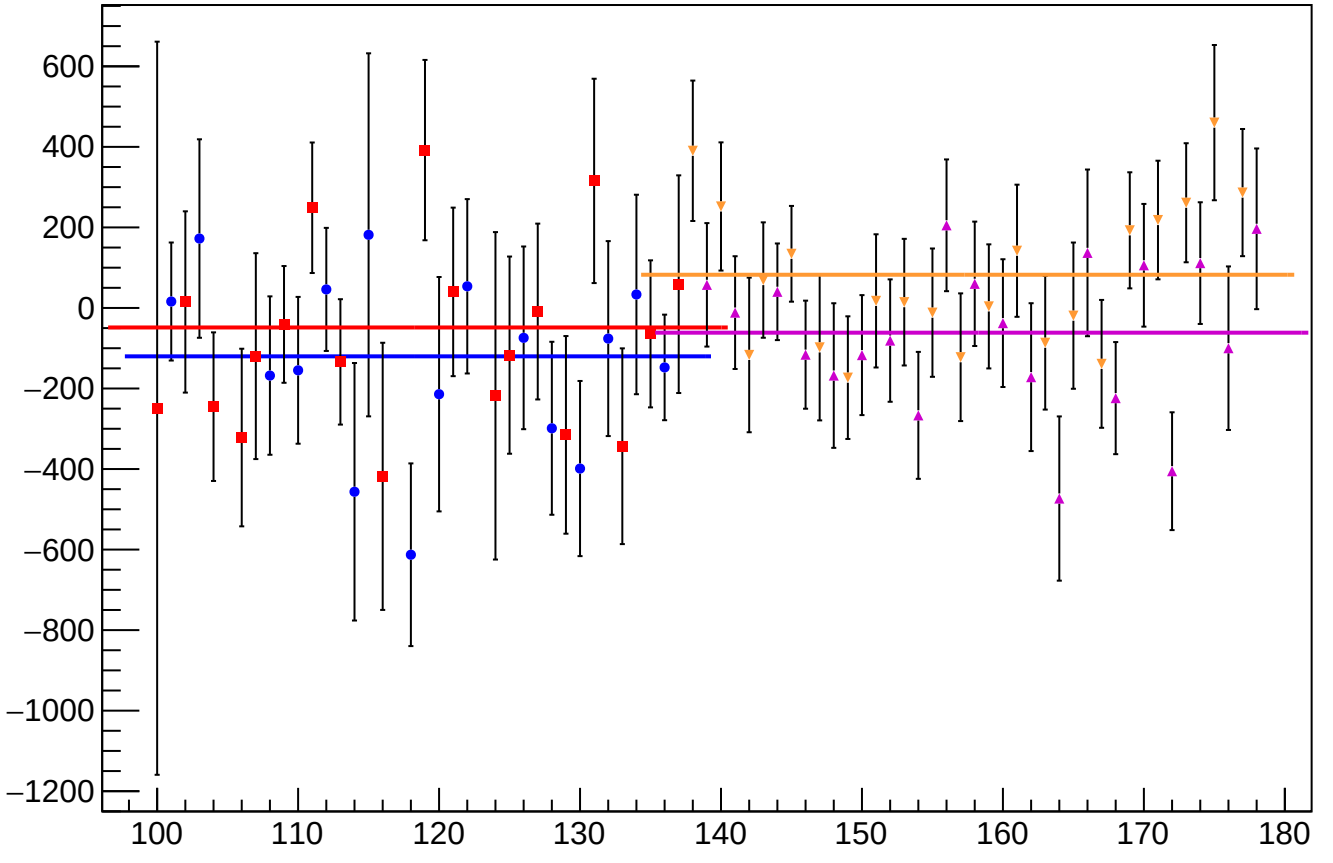
Left In: 0.000+/-0.000 χ^2/NDF:3185294.9/19

+ sign 0.000+/-0.000 χ^2/NDF: 8325612.2/36

All: 0.000+/-0.000 χ^2/NDF: 17208469.5/75

- sign 0.000+/-0.000 χ^2/NDF: 8875018.1/38

reg_asym_sam_48_avg_mean vs Slug



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 82.464+/-34.478 χ^2/NDF:23.8/20

Right Out: -48.449+/-49.910 χ^2/NDF: 17.0/18

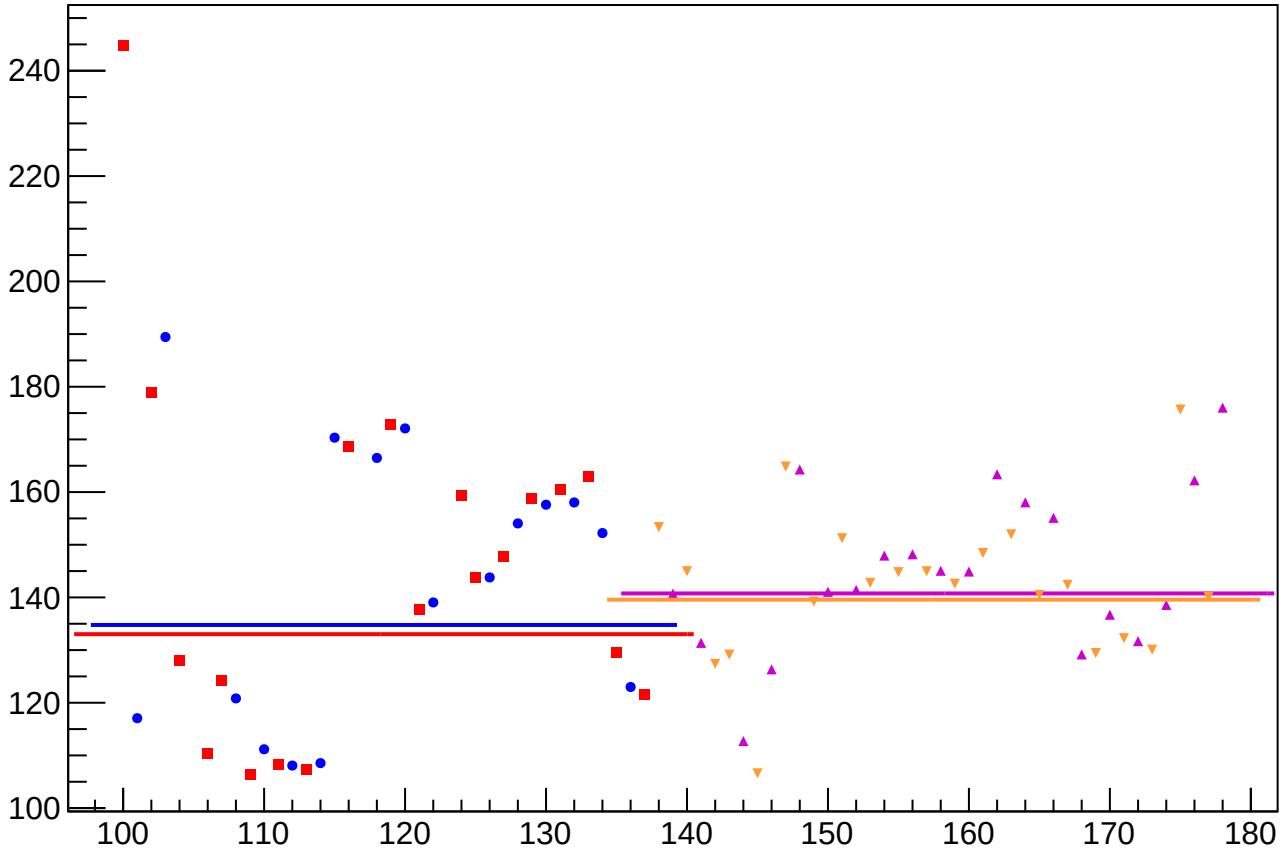
Left In: -61.415+/-35.161 χ^2/NDF:23.6/19

+ sign 19.084+/-28.581 χ^2/NDF: 48.0/36

All: -18.798+/-20.267 χ^2/NDF: 92.2/75

- sign -57.114+/-28.744 χ^2/NDF: 40.6/38

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 139.574+/-0.024 χ^2/NDF:353009.9/20

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

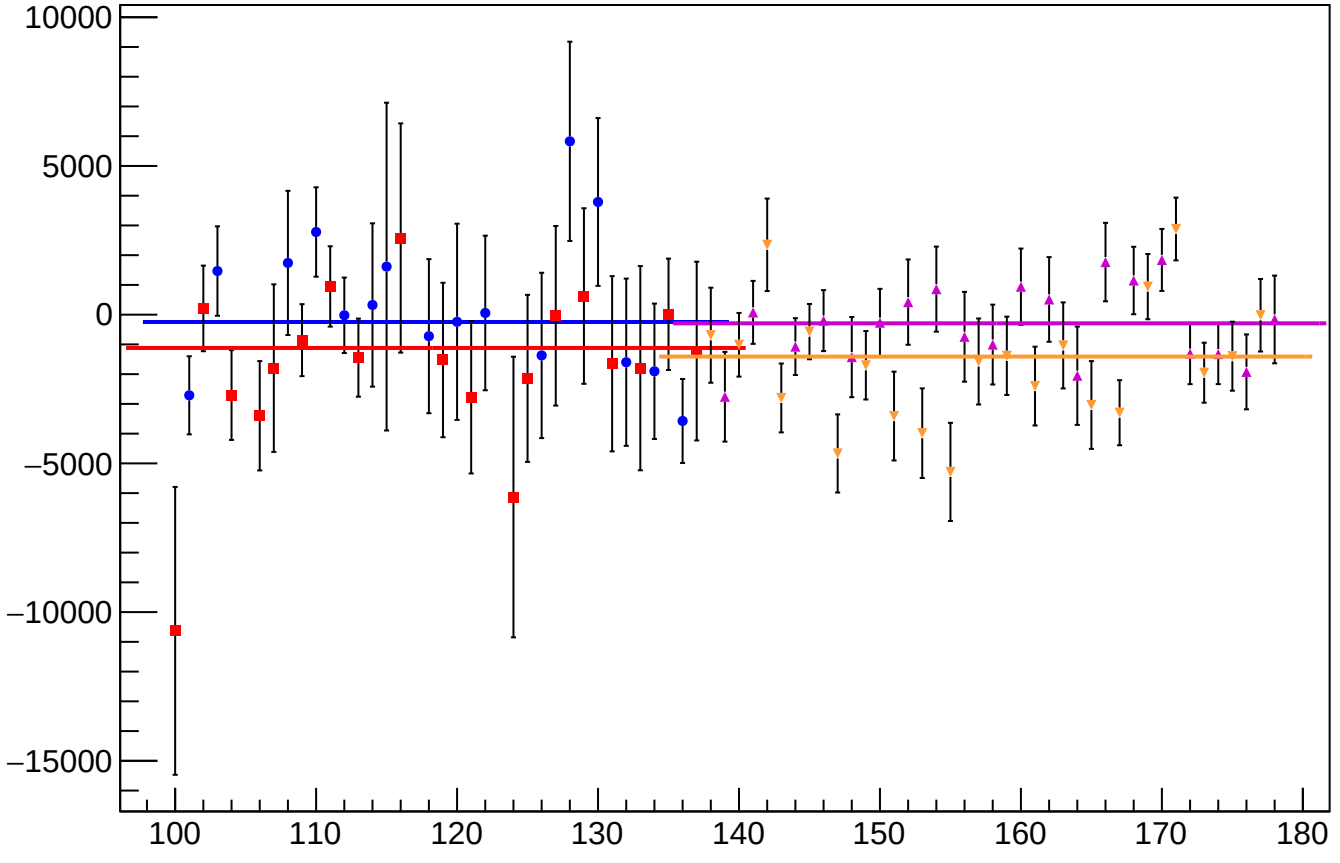
Left In: 140.754+/-0.025 χ^2/NDF:349513.2/19

+ sign 138.072+/-0.020 χ^2/NDF: 781930.1/36

All: 138.130+/-0.014 χ^2/NDF: 1659281.3/75

- sign 138.189+/-0.020 χ^2/NDF: 877334.6/38

asym_sam_48_avg_reg_correction_mean vs Slug



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -1409.610+/-270.174 χ^2/NDF:52.4/20

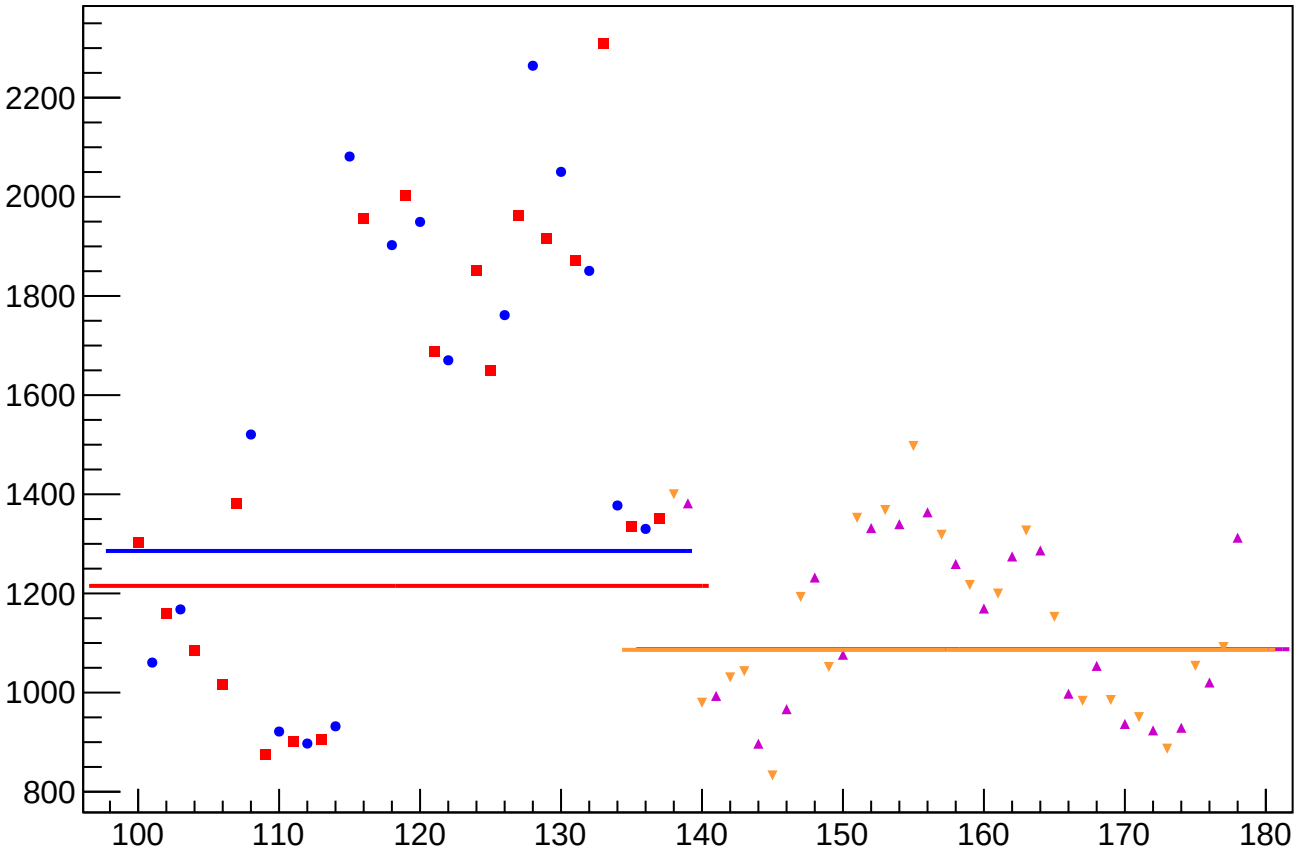
Right Out: -1119.420+/-468.400 χ^2/NDF: 13.4/18

Left In: -291.059+/-272.865 χ^2/NDF:19.8/19

+ sign -1147.872+/-237.844 χ^2/NDF: 78.2/36

All: -821.583+/-167.445 χ^2/NDF: 117.4/75

- sign -500.946+/-235.776 χ^2/NDF: 35.5/38



Right In: 1285.668+/-0.355 χ^2/NDF: 1170437.4/15

Left Out: 1086.212+/-0.191 χ^2/NDF:816751.3/20

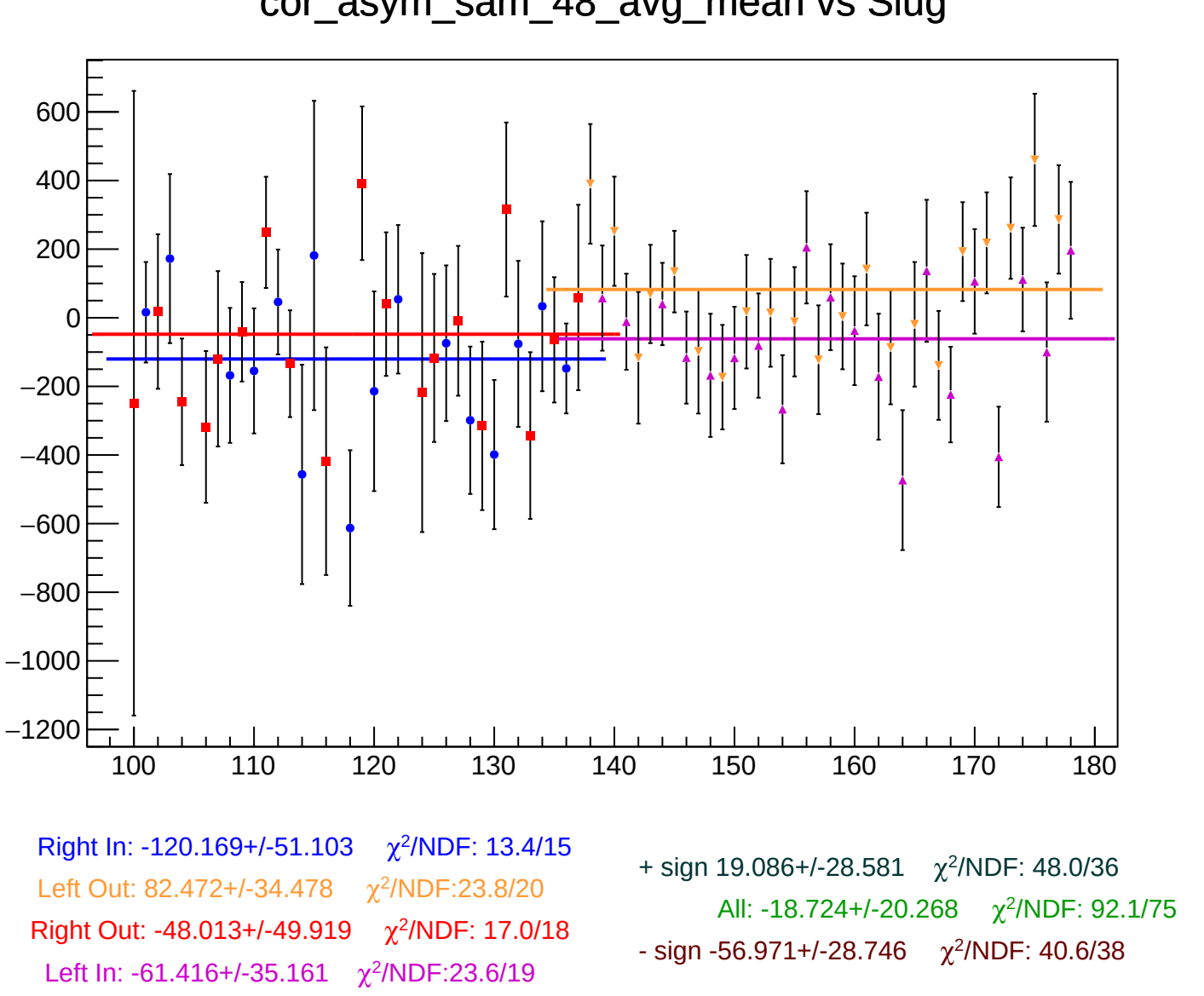
Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

Left In: 1087.524+/-0.193 χ^2/NDF:719414.2/19

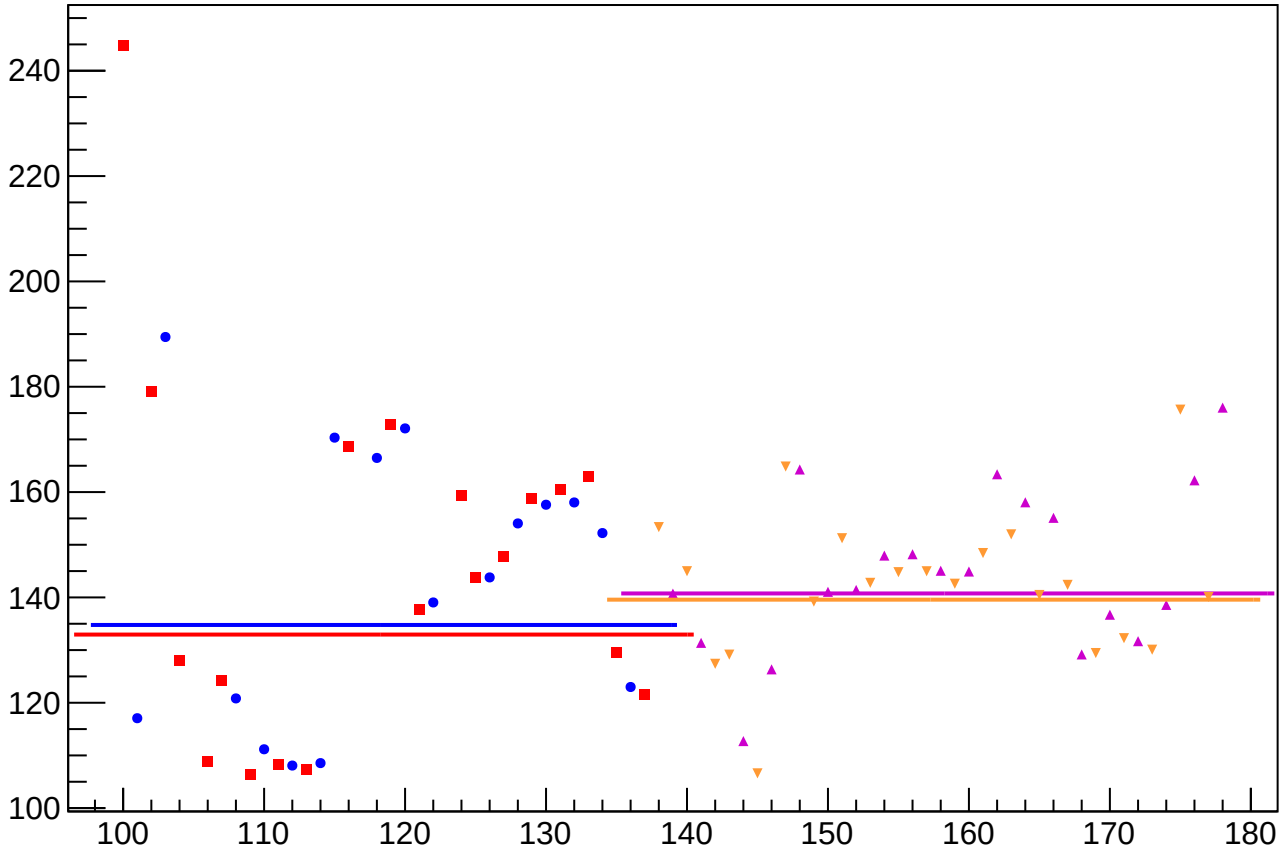
+ sign 1131.091+/-0.168 χ^2/NDF: 2232451.0/36

All: 1125.438+/-0.118 χ^2/NDF: 4451407.6/75

- sign 1119.883+/-0.167 χ^2/NDF: 2216716.8/38


cor_asym_sam_48_avg_mean vs Slug
600
400
200
0
−200
−400
−600
−800
−1000
−1200
100
110
120
130
140
150
160
170
180
Right In: -120.169+/-51.103 χ²/NDF: 13.4/15
Left Out: 82.472+/-34.478 χ²/NDF:23.8/20
Right Out: -48.013+/-49.919 χ²/NDF: 17.0/18
Left In: -61.416+/-35.161 χ²/NDF:23.6/19
+ sign 19.086+/-28.581 χ²/NDF: 48.0/36
All: -18.724+/-20.268 χ²/NDF: 92.1/75
- sign -56.971+/-28.746 χ²/NDF: 40.6/38

cor_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 139.574+/-0.024 χ^2/NDF:353009.9/20

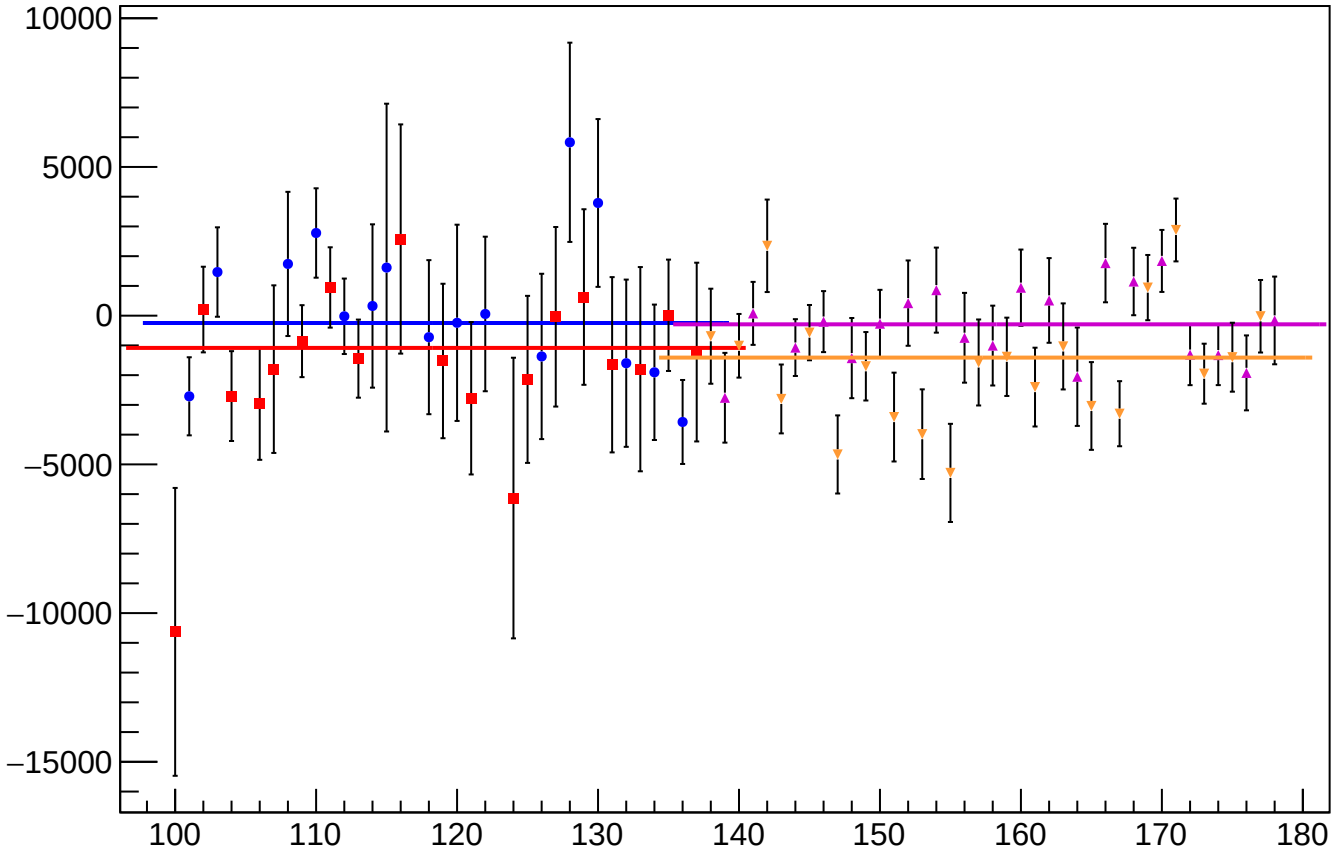
Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 140.754+/-0.025 χ^2/NDF:349513.2/19

\+ sign 138.072+/-0.020 χ^2/NDF: 781933.1/36

All: 138.118+/-0.014 χ^2/NDF: 1663007.5/75

\- sign 138.165+/-0.020 χ^2/NDF: 881063.8/38



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1409.602+/-270.174 χ^2/NDF:52.4/20

Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

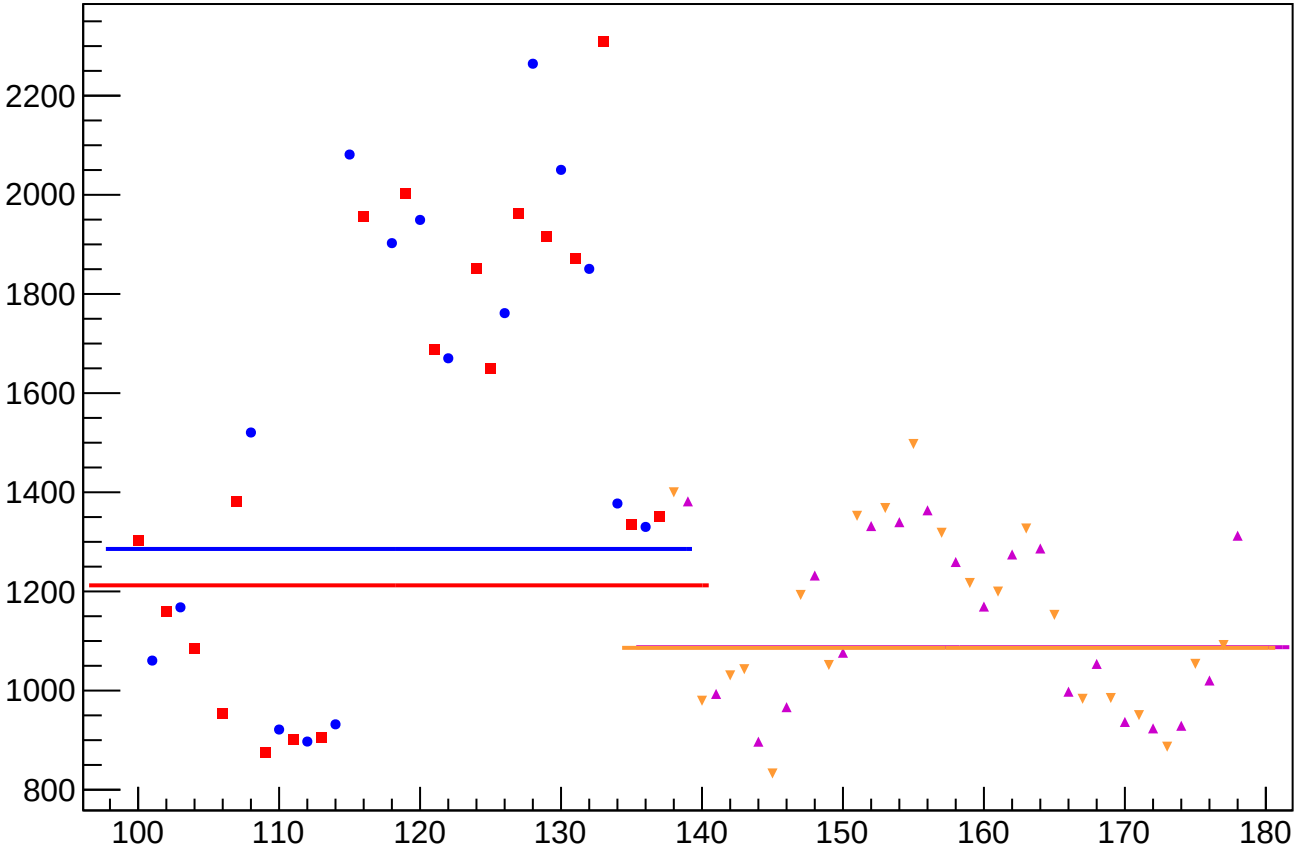
Left In: -291.065+/-272.865 χ^2/NDF:19.8/19

+ sign -1147.886+/-237.845 χ^2/NDF: 78.2/36

All: -816.943+/-167.487 χ^2/NDF: 116.7/75

- sign -491.409+/-235.893 χ^2/NDF: 34.7/38

asym_sam_48_avg_cor_correction_rms vs Slug



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1086.212+/-0.191 χ^2/NDF:816752.1/20

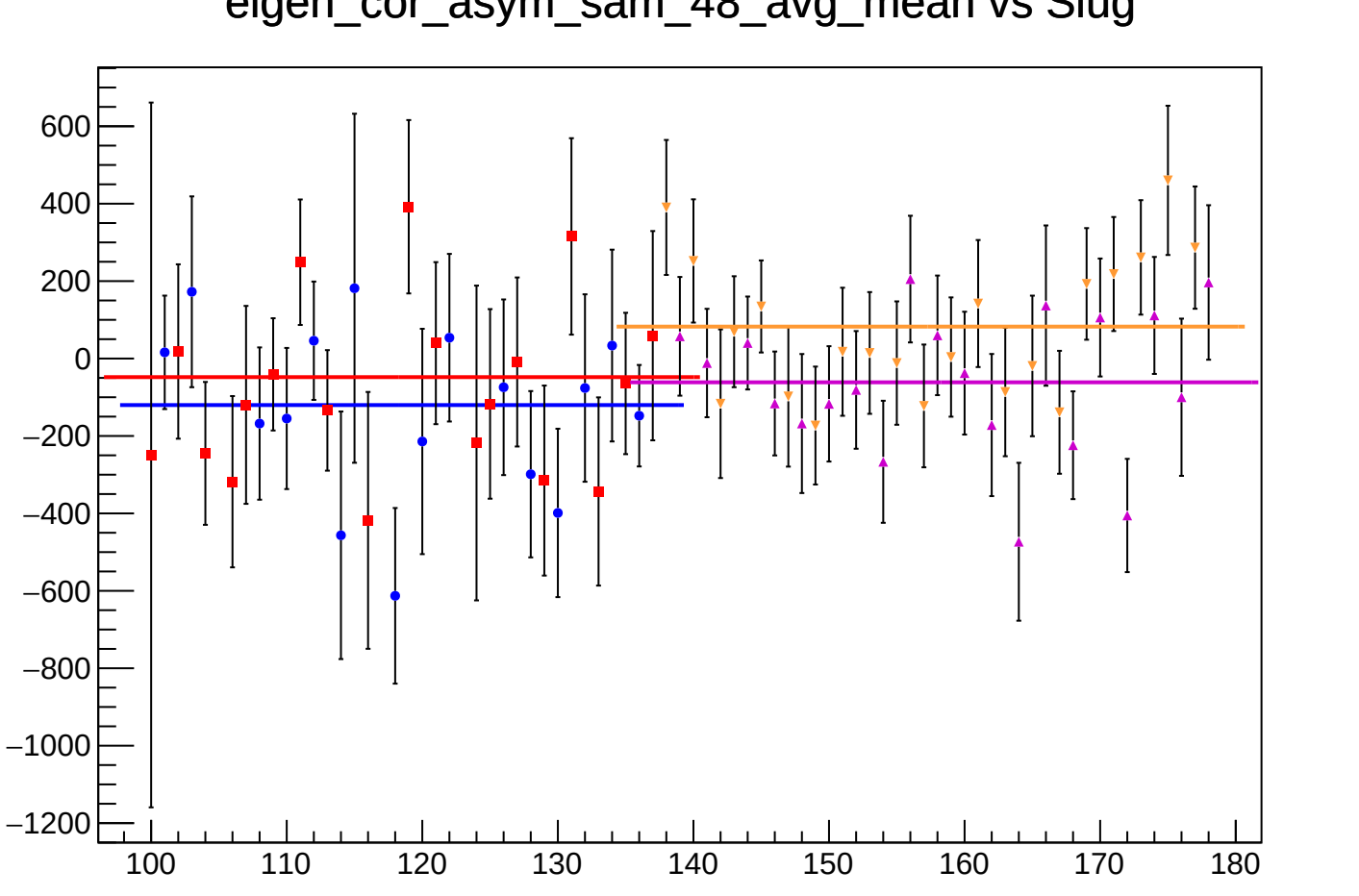
Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1087.524+/-0.193 χ^2/NDF:719414.6/19

+ sign 1131.093+/-0.168 χ^2/NDF: 2232457.2/36

All: 1125.017+/-0.118 χ^2/NDF: 4460708.3/75

- sign 1119.040+/-0.167 χ^2/NDF: 2225661.9/38



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 82.472+/-34.478 χ^2/NDF:23.8/20

Right Out: -48.013+/-49.919 χ^2/NDF: 17.0/18

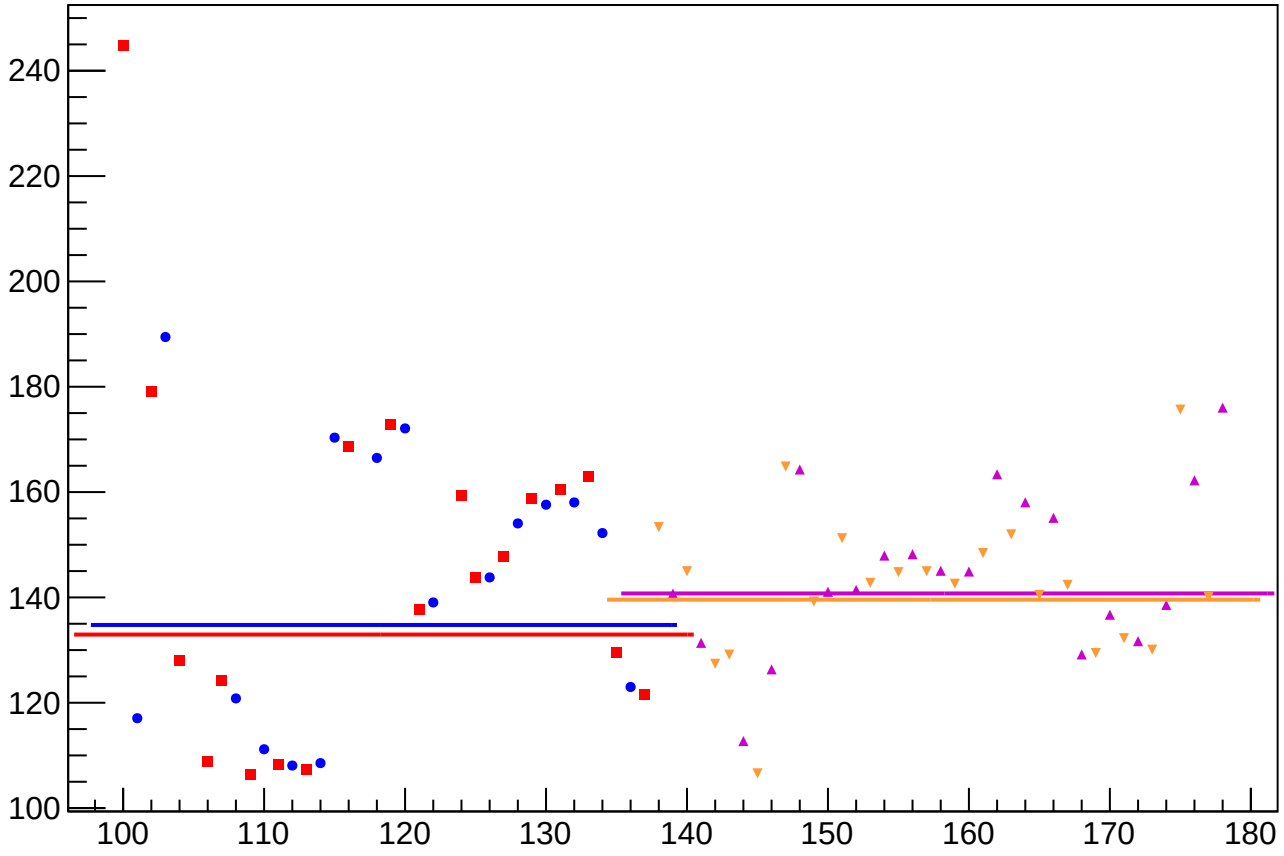
Left In: -61.416+/-35.161 χ^2/NDF:23.6/19

+ sign 19.086+/-28.581 χ^2/NDF: 48.0/36

All: -18.724+/-20.268 χ^2/NDF: 92.1/75

- sign -56.971+/-28.746 χ^2/NDF: 40.6/38

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 139.574+/-0.024 χ^2/NDF:353009.9/20

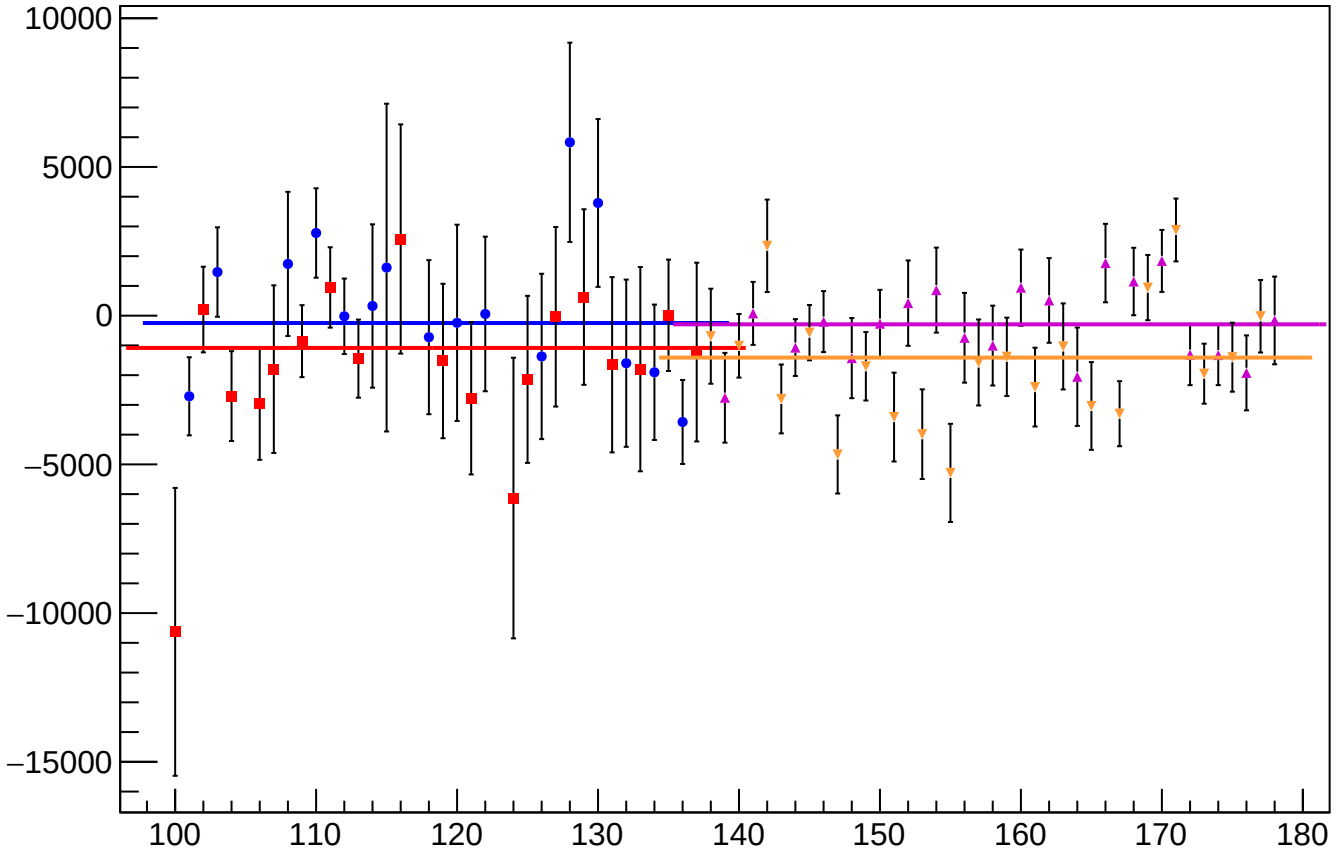
Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 140.754+/-0.025 χ^2/NDF:349513.2/19

+ sign 138.072+/-0.020 χ^2/NDF: 781933.1/36

All: 138.118+/-0.014 χ^2/NDF: 1663007.5/75

- sign 138.165+/-0.020 χ^2/NDF: 881063.8/38



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1409.602+/-270.174 χ^2/NDF:52.4/20

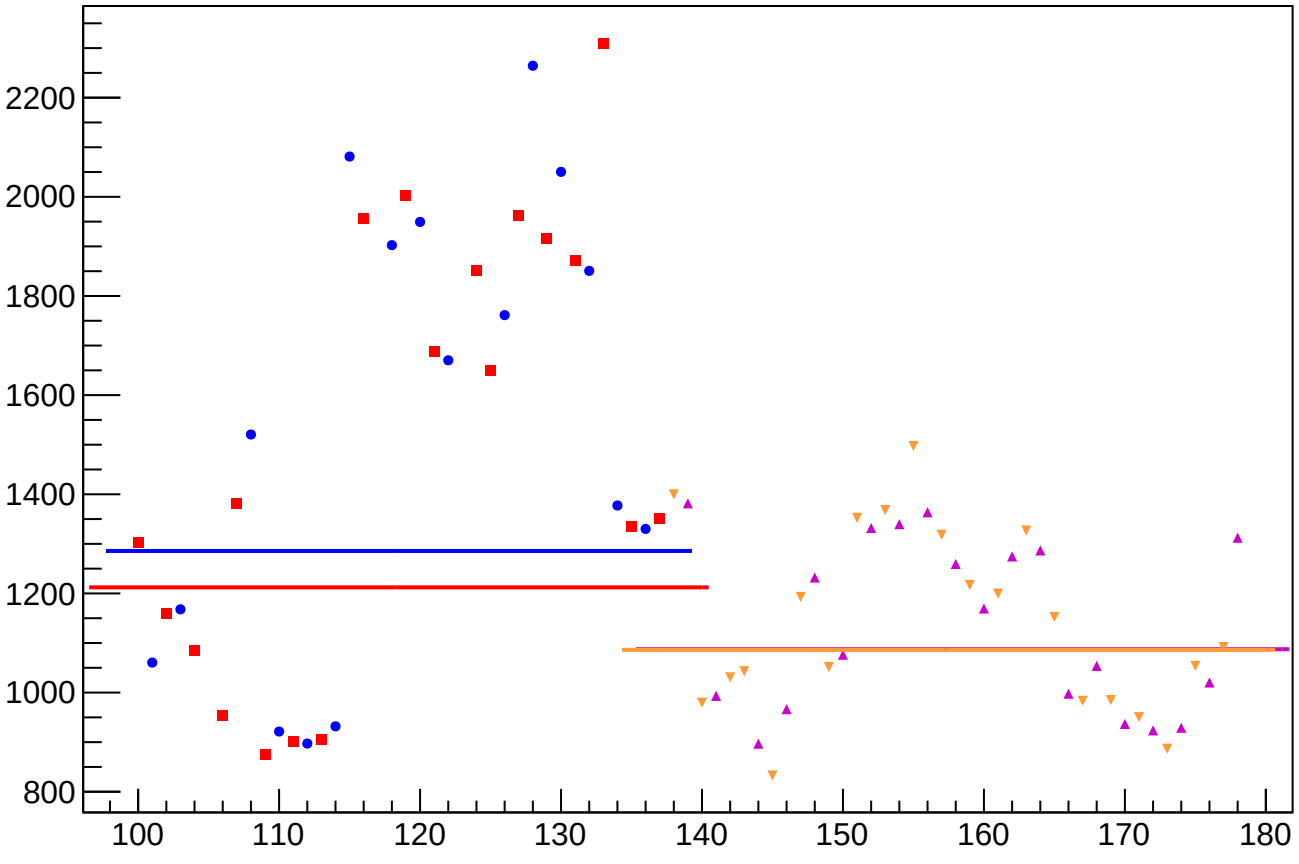
Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: -291.065+/-272.865 χ^2/NDF:19.8/19

+ sign -1147.886+/-237.845 χ^2/NDF: 78.2/36

All: -816.943+/-167.487 χ^2/NDF: 116.7/75

- sign -491.409+/-235.893 χ^2/NDF: 34.7/38



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1086.212+/-0.191 χ^2/NDF:816752.1/20

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

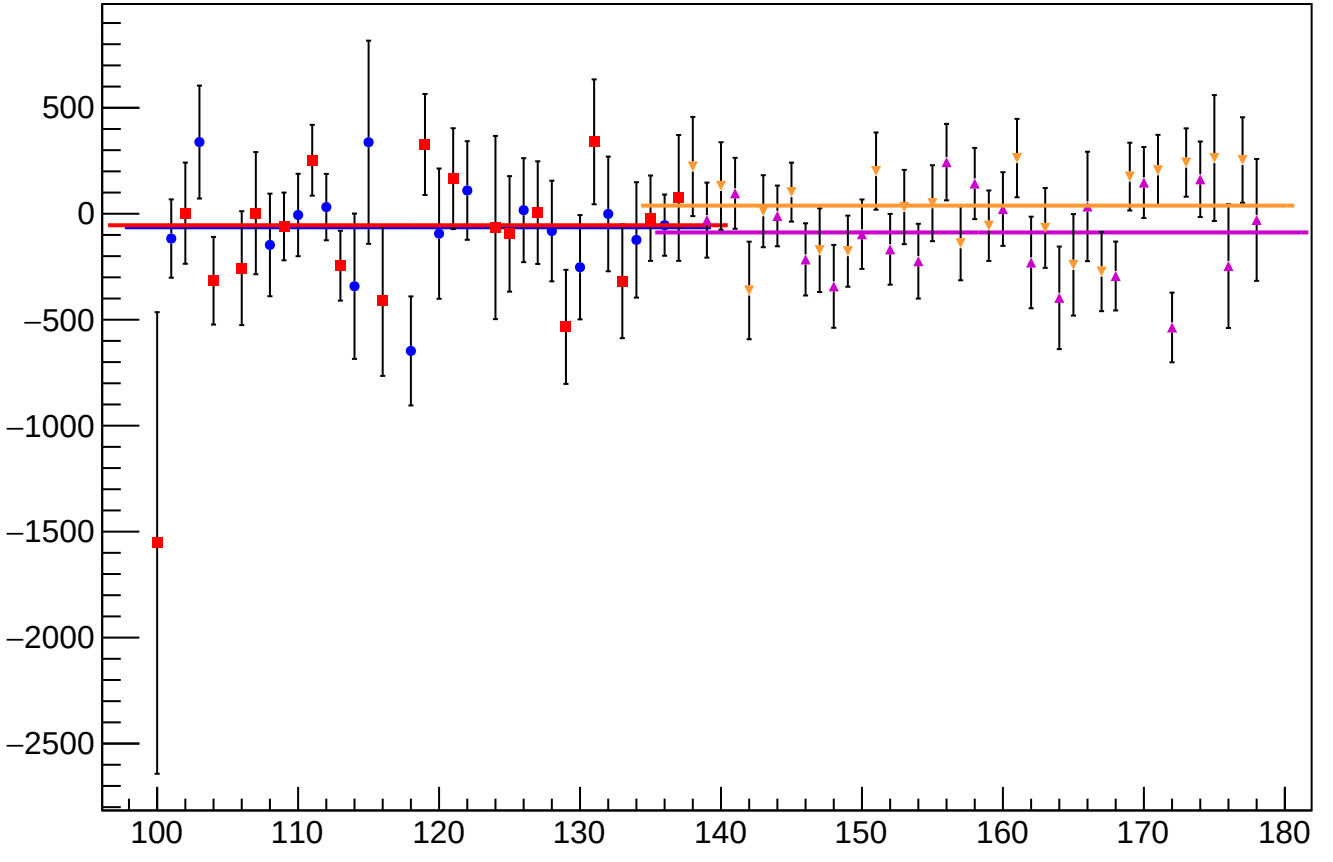
Left In: 1087.524+/-0.193 χ^2/NDF:719414.6/19

+ sign 1131.093+/-0.168 χ^2/NDF: 2232457.2/36

All: 1125.017+/-0.118 χ^2/NDF: 4460708.3/75

- sign 1119.040+/-0.167 χ^2/NDF: 2225661.9/38

dit_asym_sam_48_avg_mean vs Slug



Right In: -63.781+/-56.734 χ^2/NDF: 10.8/15

Left Out: 38.364+/-40.051 χ^2/NDF:20.0/20

Right Out: -54.305+/-54.743 χ^2/NDF: 19.5/18

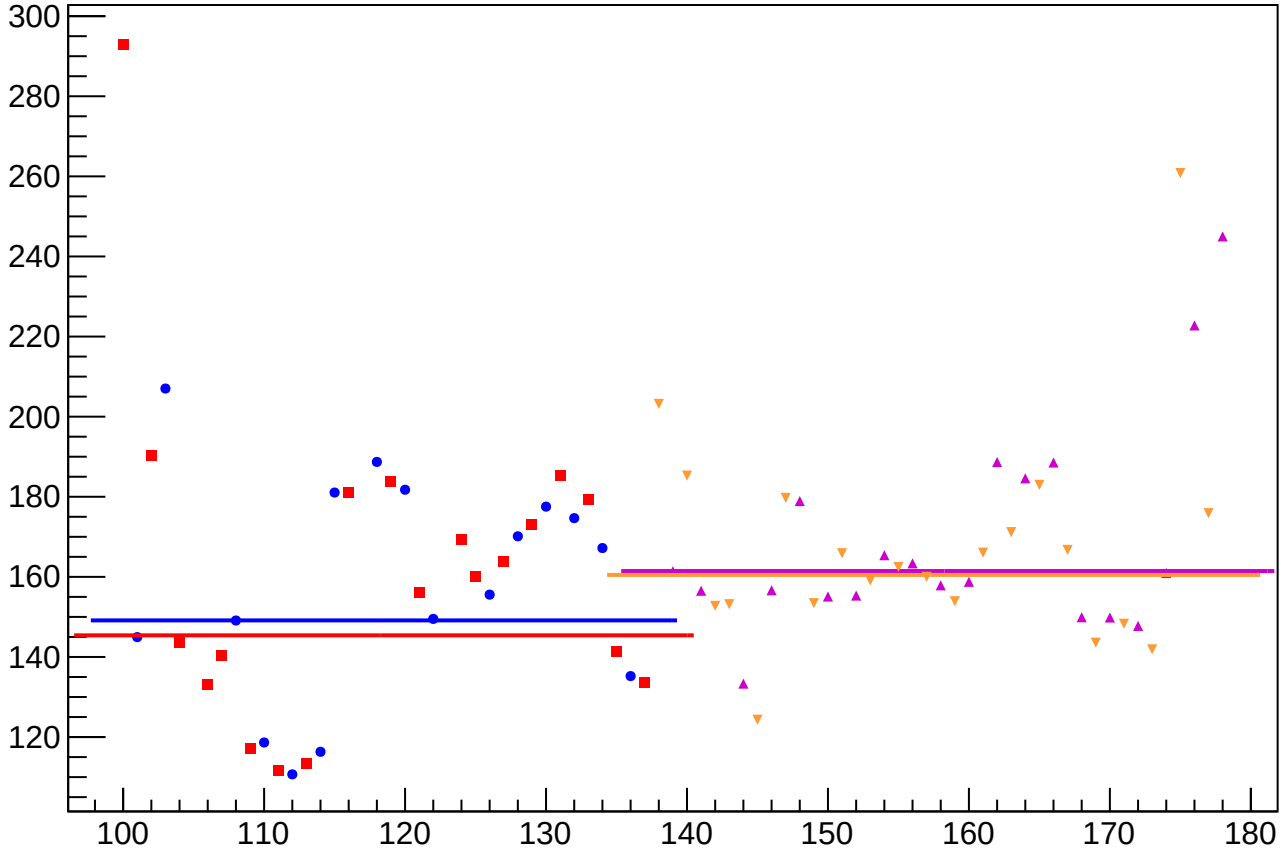
Left In: -88.138+/-40.802 χ^2/NDF:26.0/19

+ sign 4.390+/-32.719 χ^2/NDF: 32.9/36

All: -35.838+/-23.134 χ^2/NDF: 81.7/75

- sign -76.055+/-32.715 χ^2/NDF: 45.7/38

dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 160.486+/-0.028 χ^2/NDF:592176.6/20

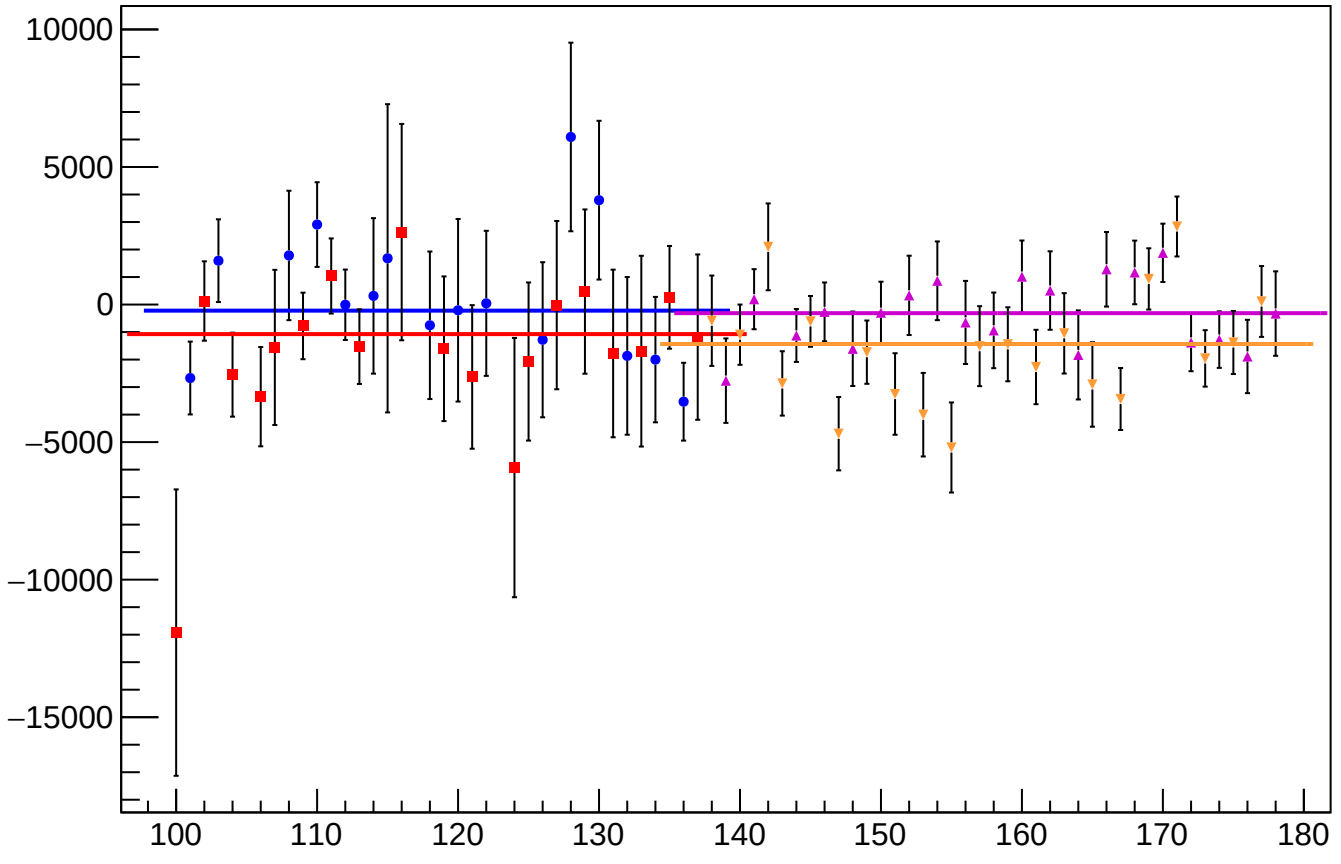
Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

Left In: 161.456+/-0.029 χ^2/NDF:467130.6/19

+ sign 156.709+/-0.023 χ^2/NDF: 1096656.6/36

All: 156.215+/-0.016 χ^2/NDF: 2201128.5/75

- sign 155.721+/-0.023 χ^2/NDF: 1103560.3/38



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -1434.207+/-274.119 χ^2/NDF:49.5/20

Right Out: -1074.433+/-472.816 χ^2/NDF: 13.6/18

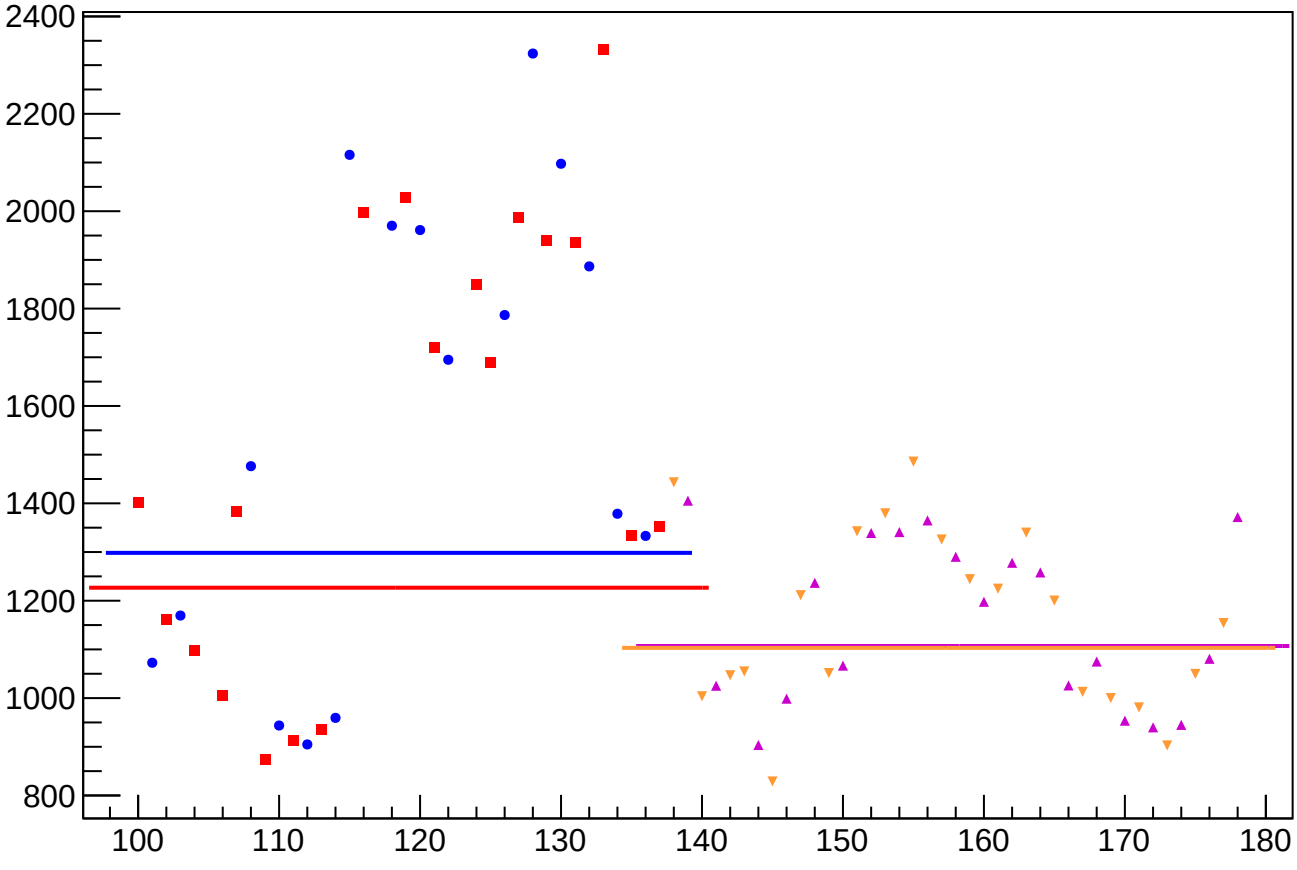
Left In: -313.122+/-277.564 χ^2/NDF:18.4/19

+ sign -1159.165+/-241.045 χ^2/NDF: 75.8/36

All: -831.429+/-169.848 χ^2/NDF: 113.4/75

- sign -508.242+/-239.366 χ^2/NDF: 33.9/38

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1103.195+/-0.194 χ^2/NDF:814406.4/20

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

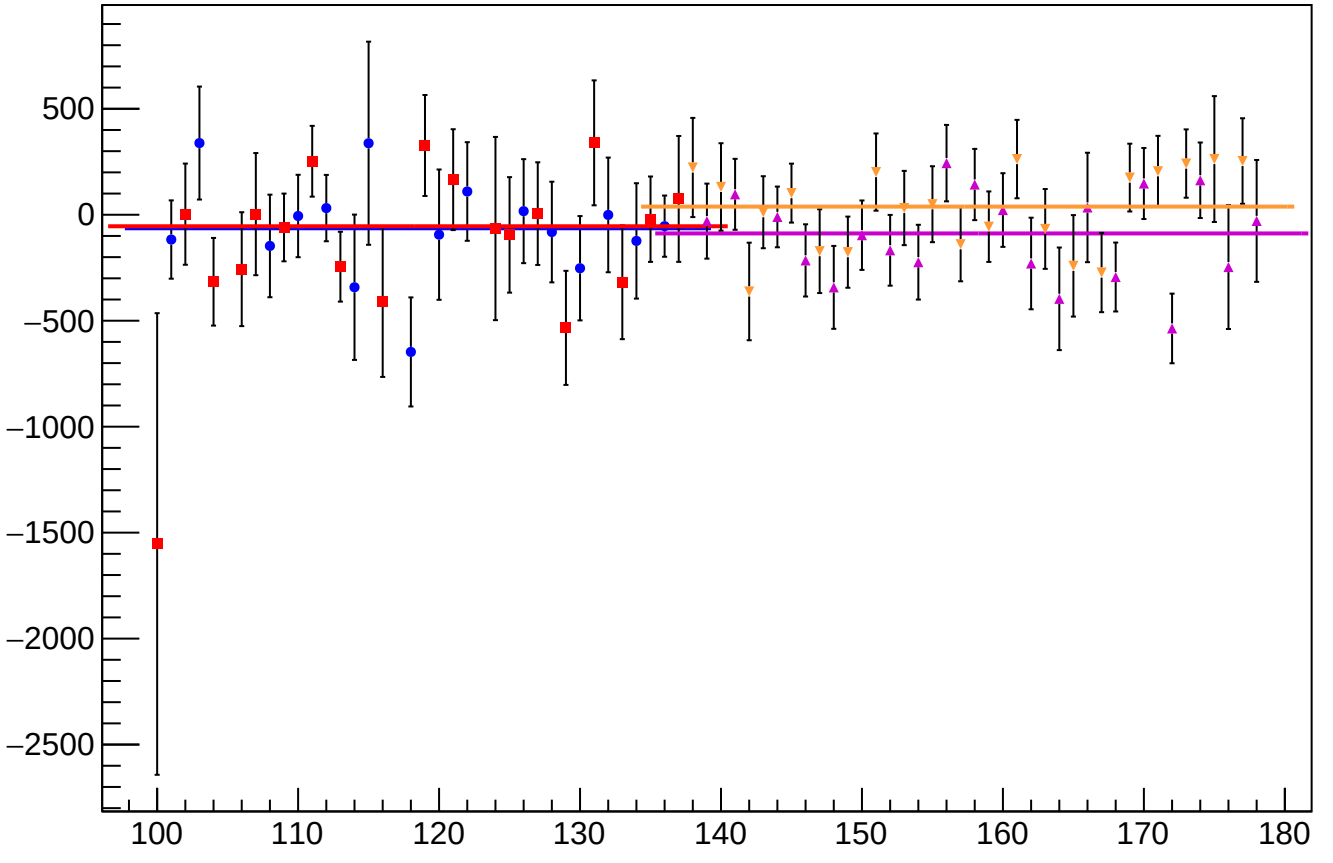
Left In: 1106.972+/-0.196 χ^2/NDF:684421.7/19

\+ sign 1147.433+/-0.170 χ^2/NDF: 2226255.4/36

All: 1142.515+/-0.120 χ^2/NDF: 4412272.5/75

\- sign 1137.665+/-0.169 χ^2/NDF: 2184363.5/38

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: 38.366+/-40.051 χ^2/NDF:20.0/20

Right Out: -54.304+/-54.743 χ^2/NDF: 19.5/18

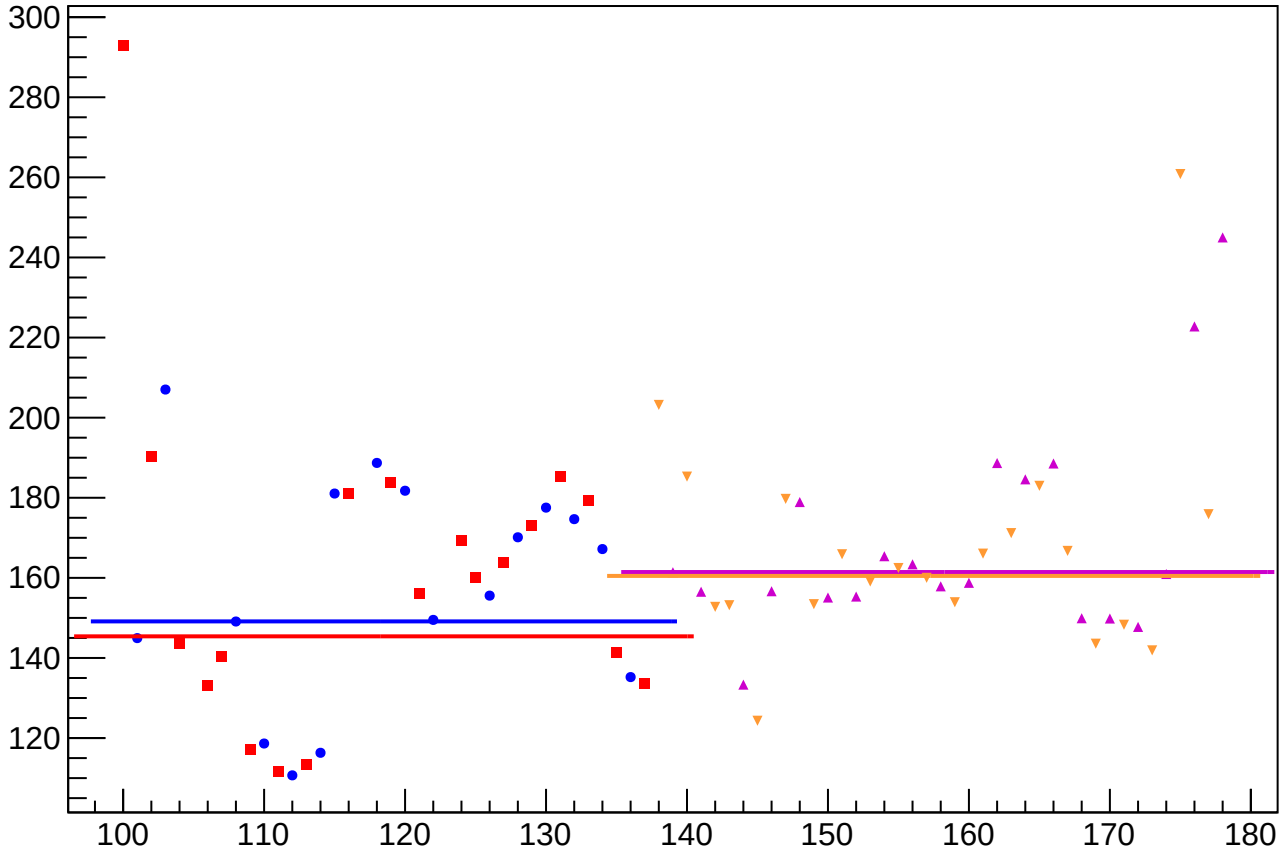
Left In: -88.137+/-40.802 χ^2/NDF:26.0/19

+ sign 4.393+/-32.719 χ^2/NDF: 32.9/36

All: -35.836+/-23.134 χ^2/NDF: 81.7/75

- sign -76.054+/-32.715 χ^2/NDF: 45.7/38

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130+/-0.040 χ^2/NDF: 451005.1/15

Left Out: 160.486+/-0.028 χ^2/NDF:592168.3/20

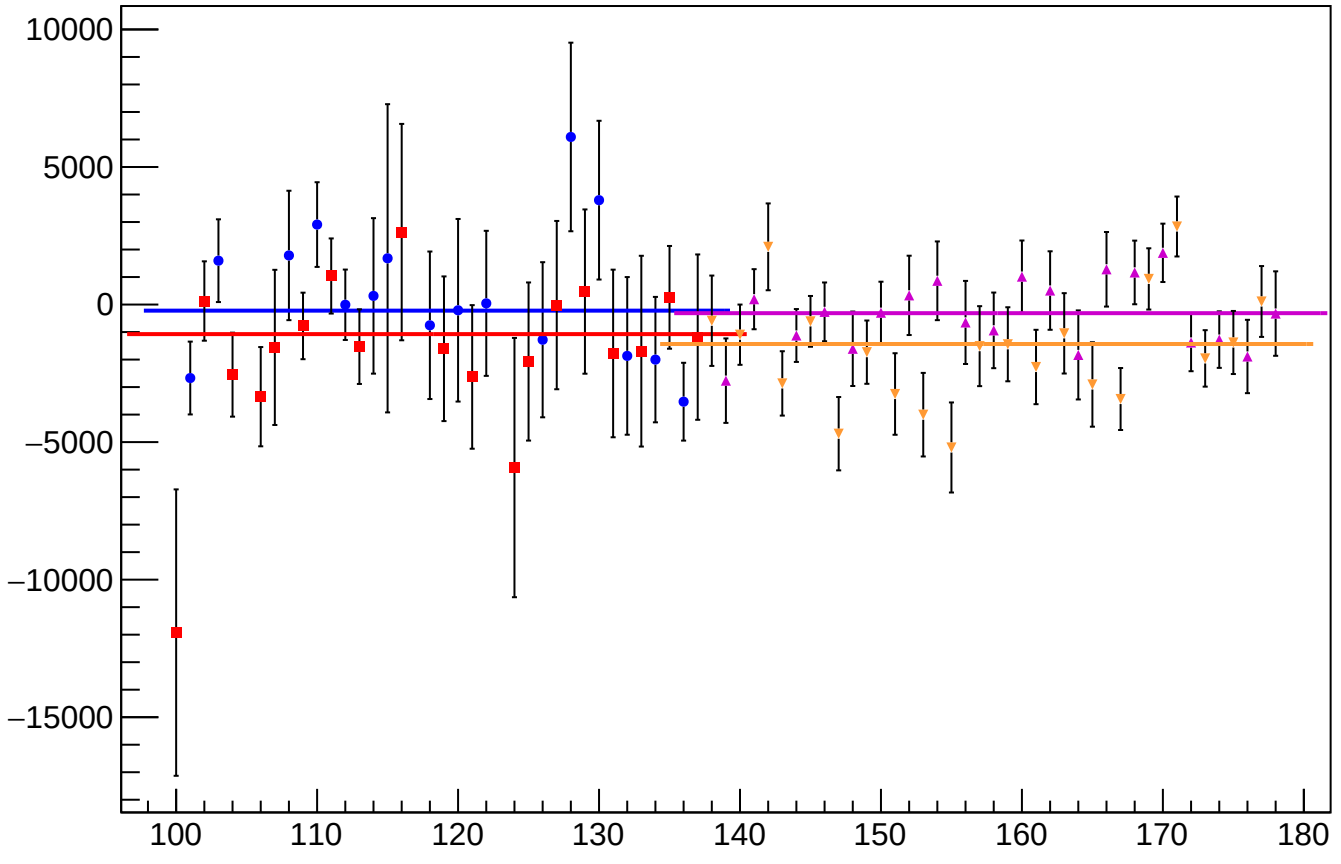
Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 161.456+/-0.029 χ^2/NDF:467119.3/19

+ sign 156.709+/-0.023 χ^2/NDF: 1096652.2/36

All: 156.215+/-0.016 χ^2/NDF: 2201119.1/75

- sign 155.721+/-0.023 χ^2/NDF: 1103555.2/38



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -1434.204+/-274.118 χ^2/NDF:49.5/20

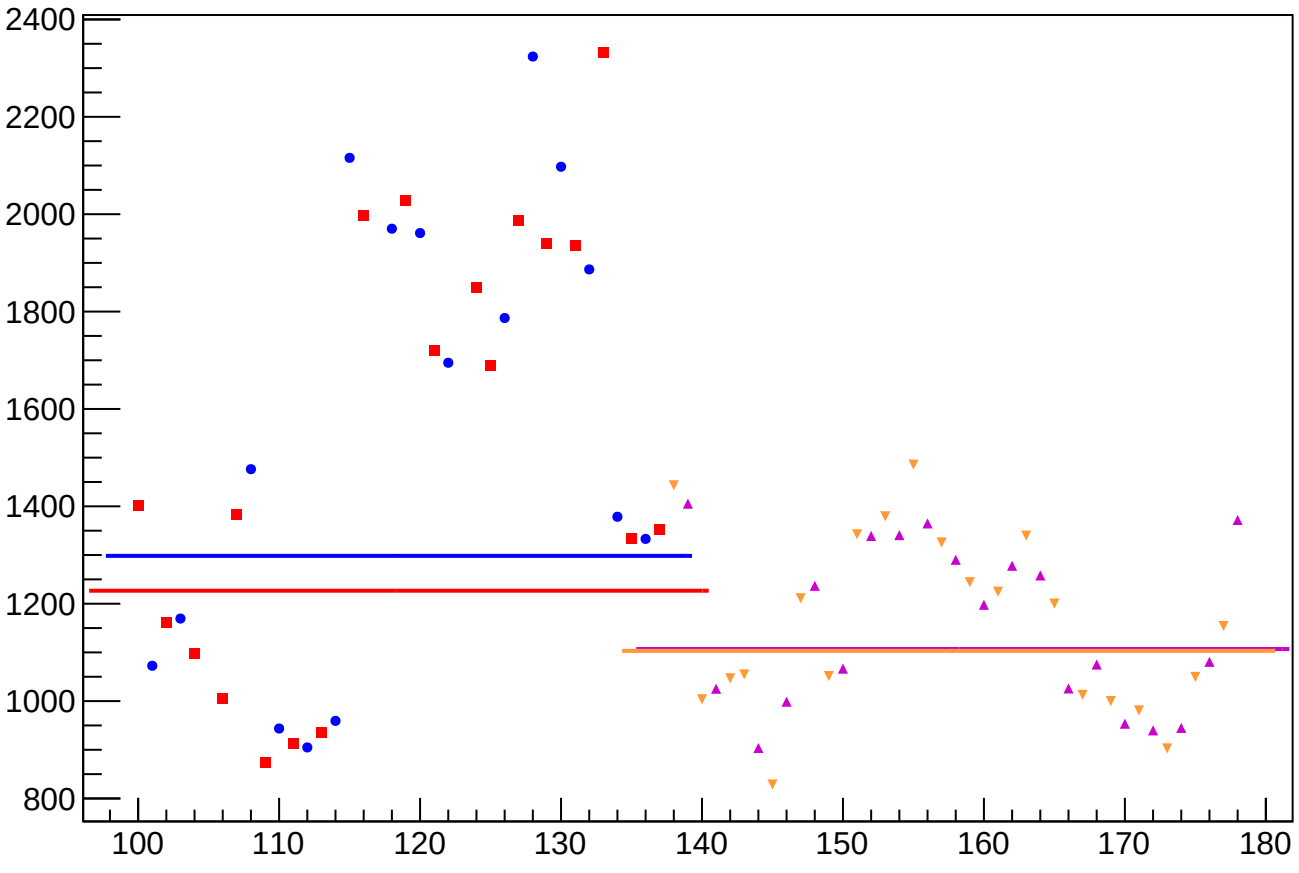
Right Out: -1074.432+/-472.816 χ^2/NDF: 13.6/18

Left In: -313.120+/-277.563 χ^2/NDF:18.4/19

\+ sign -1159.163+/-241.045 χ^2/NDF: 75.8/36

All: -831.427+/-169.848 χ^2/NDF: 113.4/75

\- sign -508.240+/-239.366 χ^2/NDF: 33.9/38



Right In: 1298.292+/-0.358 χ^2/NDF: 1182127.2/15

Left Out: 1103.193+/-0.194 χ^2/NDF:814410.0/20

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

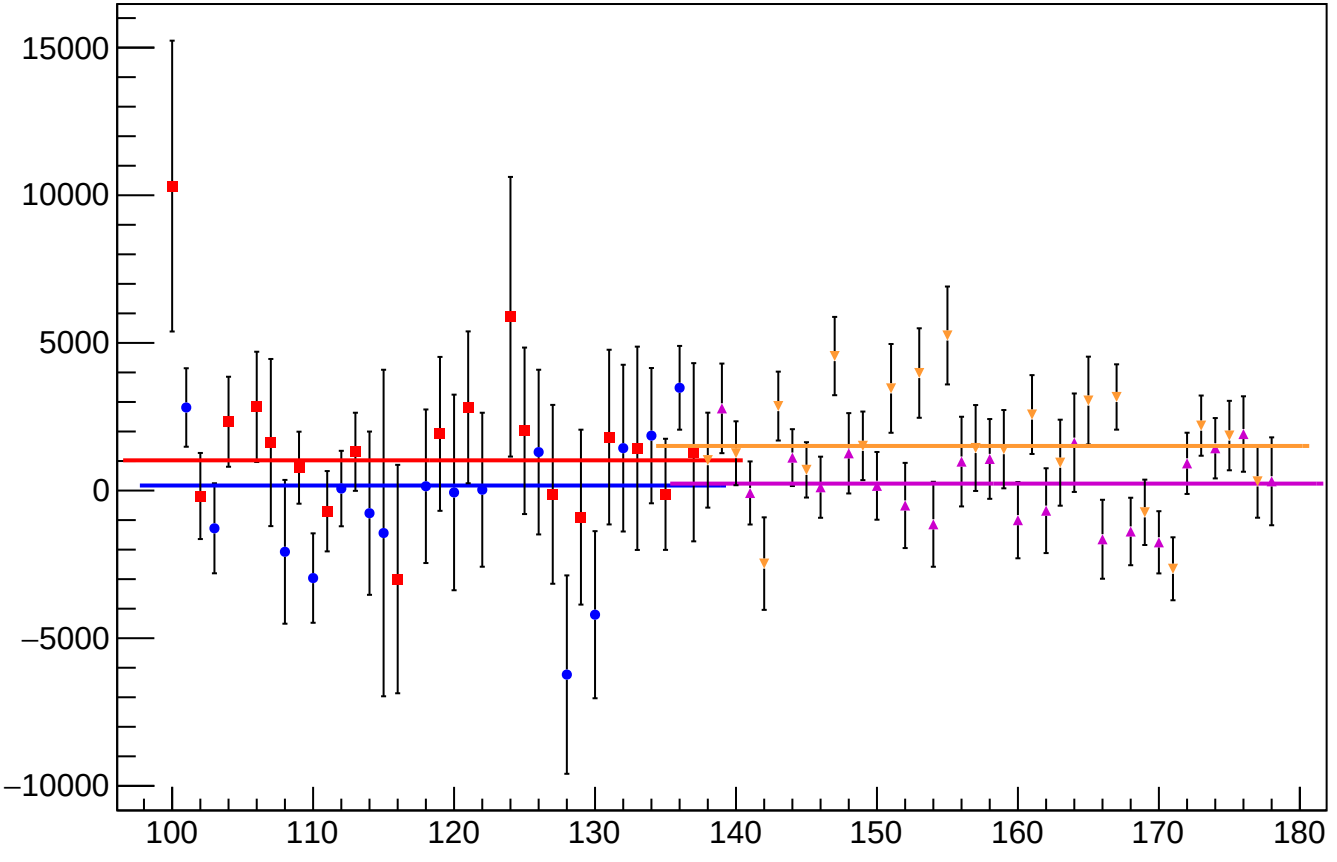
Left In: 1106.971+/-0.196 χ^2/NDF:684421.5/19

+ sign 1147.432+/-0.170 χ^2/NDF: 2226264.7/36

All: 1142.514+/-0.120 χ^2/NDF: 4412285.8/75

- sign 1137.664+/-0.169 χ^2/NDF: 2184367.4/38

asym_sam_48_avg_mean vs Slug



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 1510.578+/-272.564 χ^2/NDF:48.3/20

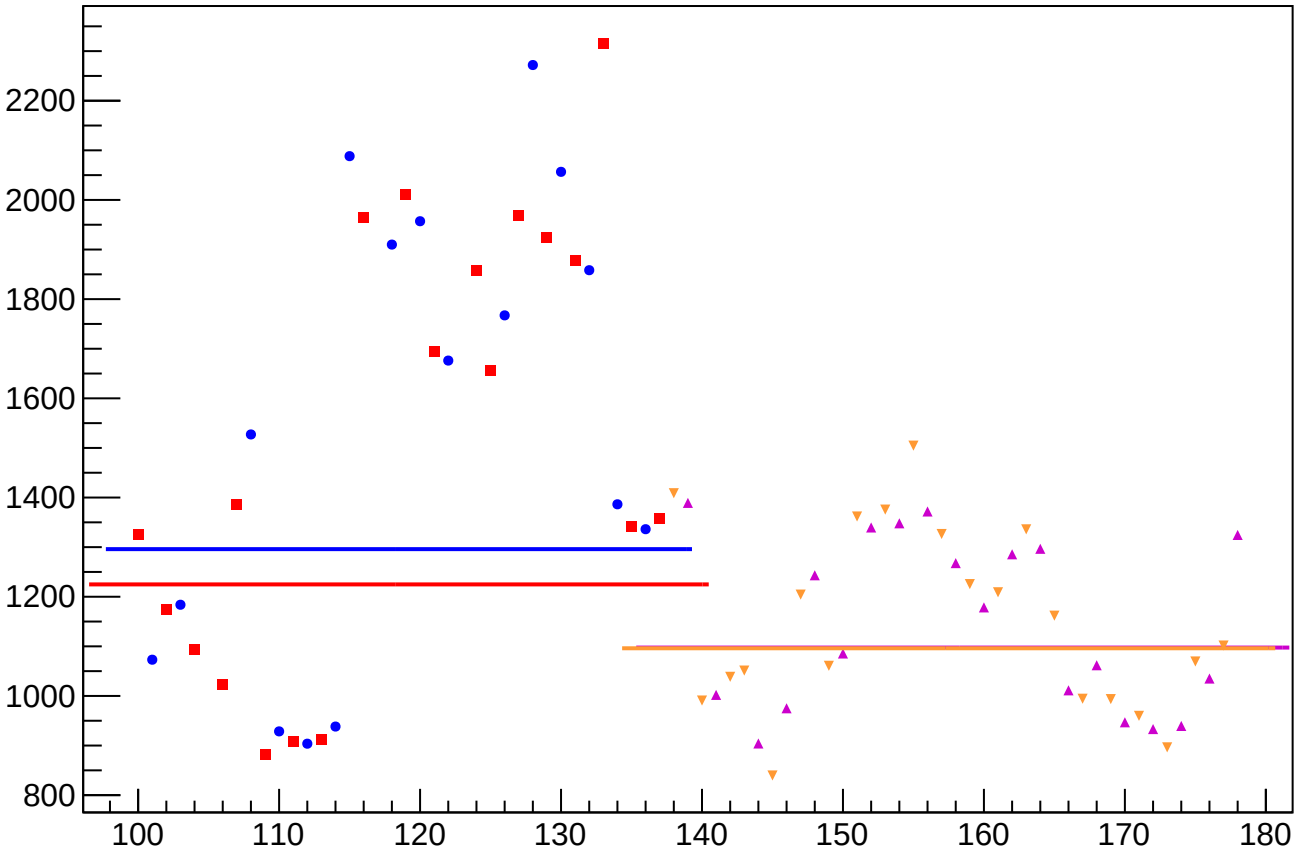
Right Out: 1023.699+/-472.008 χ^2/NDF: 11.6/18

Left In: 235.309+/-275.314 χ^2/NDF:19.3/19

+ sign 1208.519+/-239.872 χ^2/NDF: 76.4/36

All: 818.654+/-168.883 χ^2/NDF: 114.5/75

- sign 435.444+/-237.816 χ^2/NDF: 32.9/38



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1096.103+/-0.193 χ^2/NDF:803411.8/20

Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

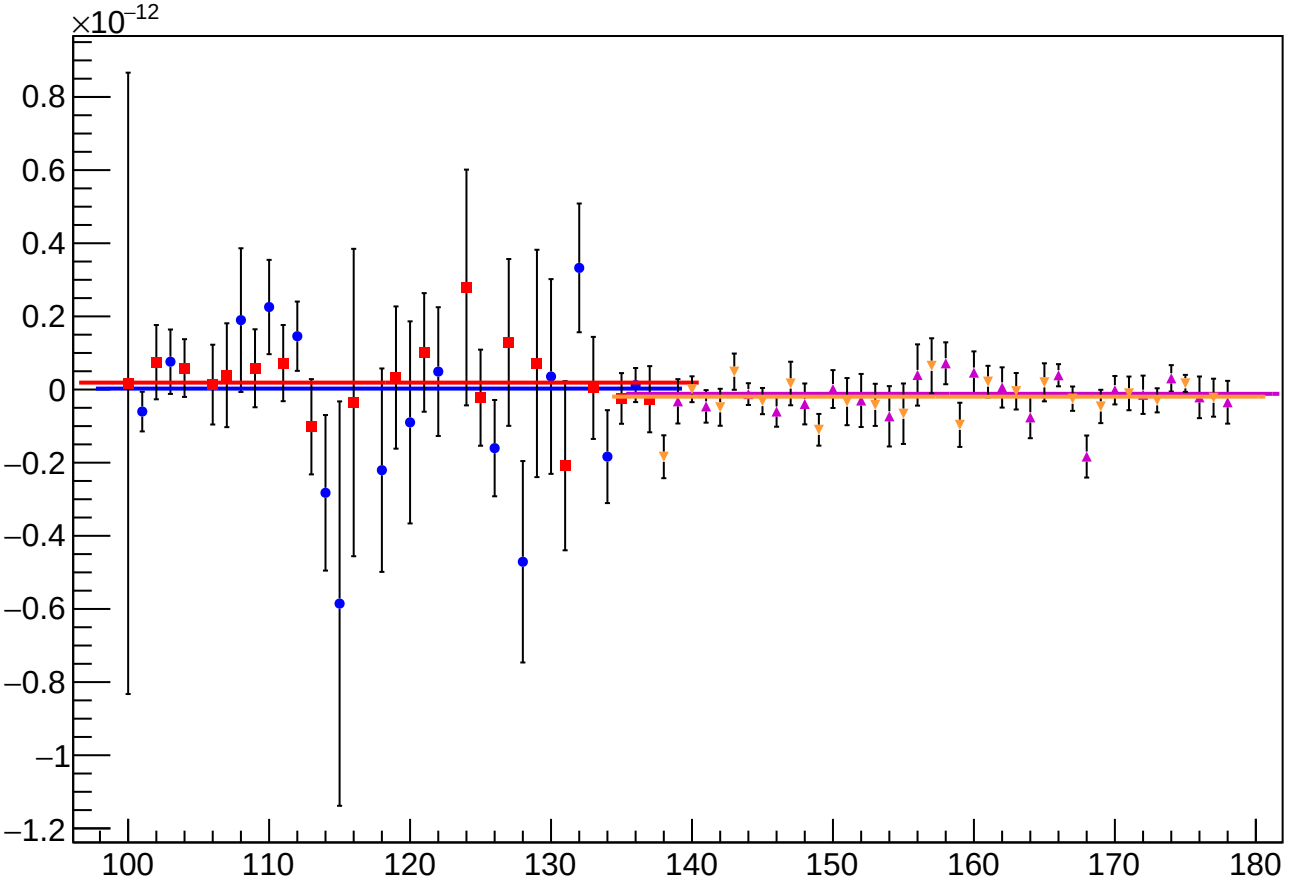
Left In: 1097.524+/-0.195 χ^2/NDF:707098.4/19

+ sign 1141.176+/-0.170 χ^2/NDF: 2200142.4/36

All: 1135.465+/-0.119 χ^2/NDF: 4389400.4/75

- sign 1129.852+/-0.168 χ^2/NDF: 2187010.0/38

asym_sam_48_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.1/20

Right Out: 0.000+/-0.000 χ^2/NDF: 4.7/18

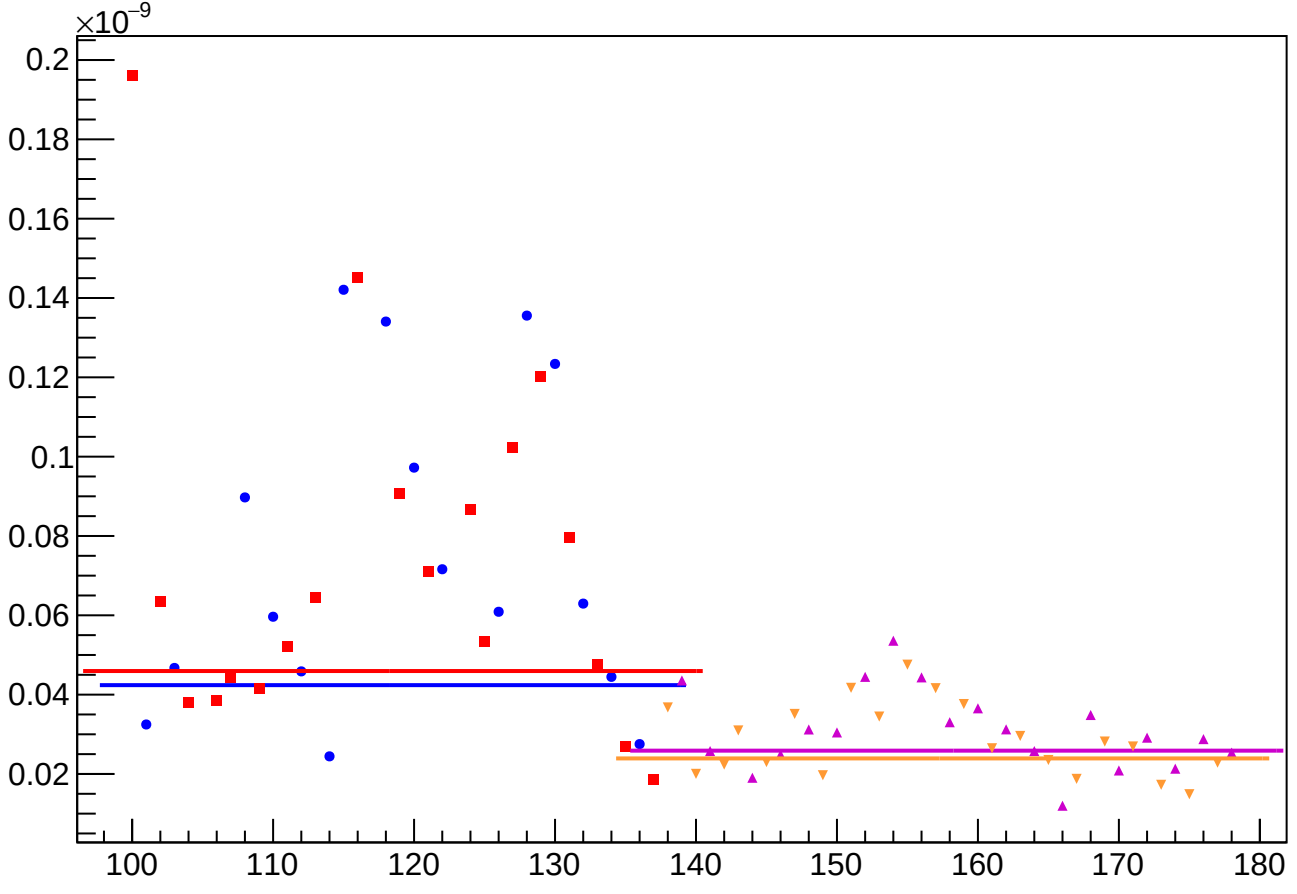
Left In: -0.000+/-0.000 χ^2/NDF:21.2/19

+ sign -0.000+/-0.000 χ^2/NDF: 45.9/36

All: -0.000+/-0.000 χ^2/NDF: 73.3/75

- sign -0.000+/-0.000 χ^2/NDF: 26.9/38

asym_sam_48_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1340978.7/20

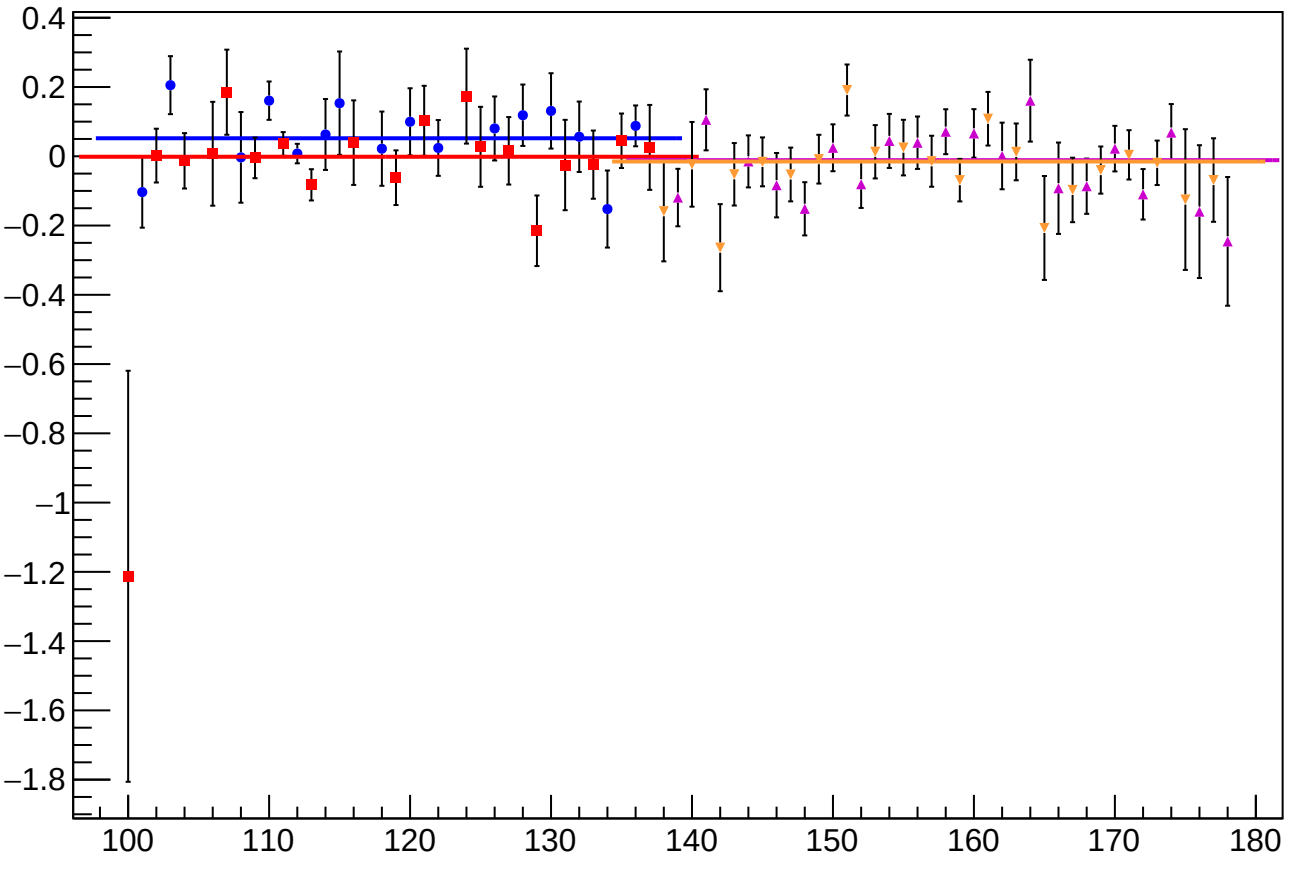
Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1430092.3/19

+ sign 0.000+/-0.000 χ^2/NDF: 3523659.6/36

All: 0.000+/-0.000 χ^2/NDF: 6979742.2/75

- sign 0.000+/-0.000 χ^2/NDF: 3397658.6/38



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.015+/-0.018 χ^2/NDF:20.1/20

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

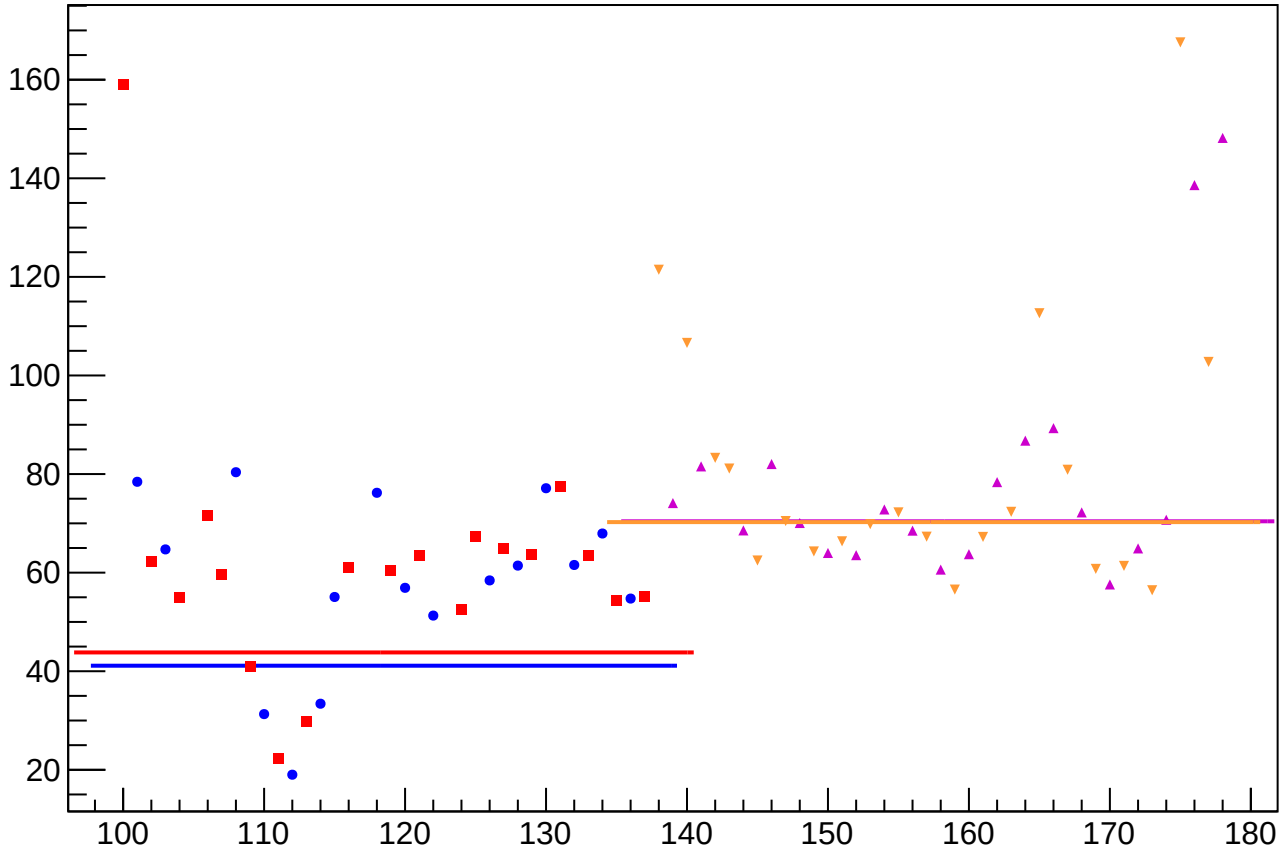
Left In: -0.011+/-0.018 χ^2/NDF:21.1/19

+ sign 0.019+/-0.013 χ^2/NDF: 45.0/36

All: 0.007+/-0.009 χ^2/NDF: 87.5/75

- sign -0.006+/-0.013 χ^2/NDF: 40.5/38

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: 70.253+/-0.013 χ^2/NDF:1582434.5/20

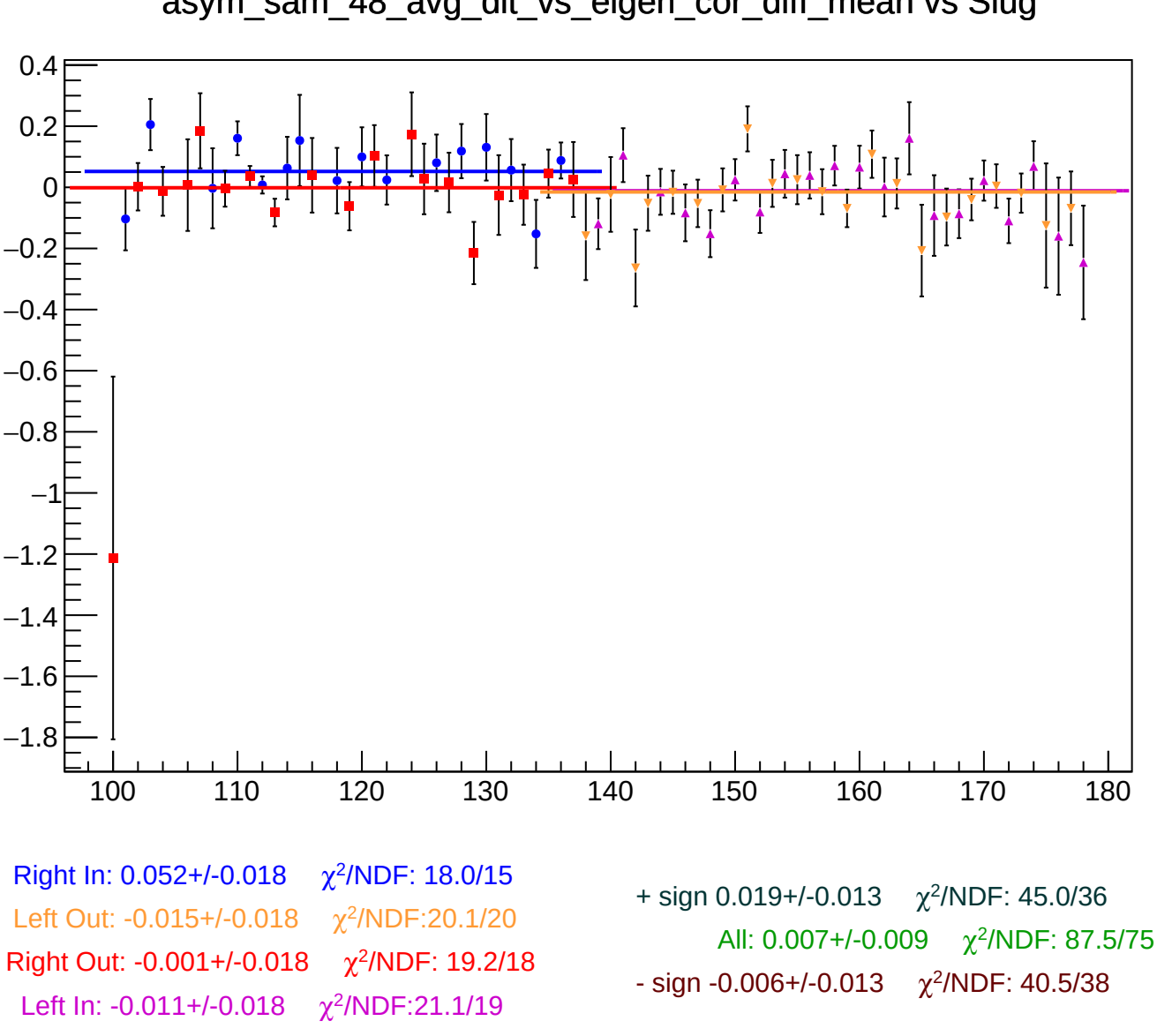
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

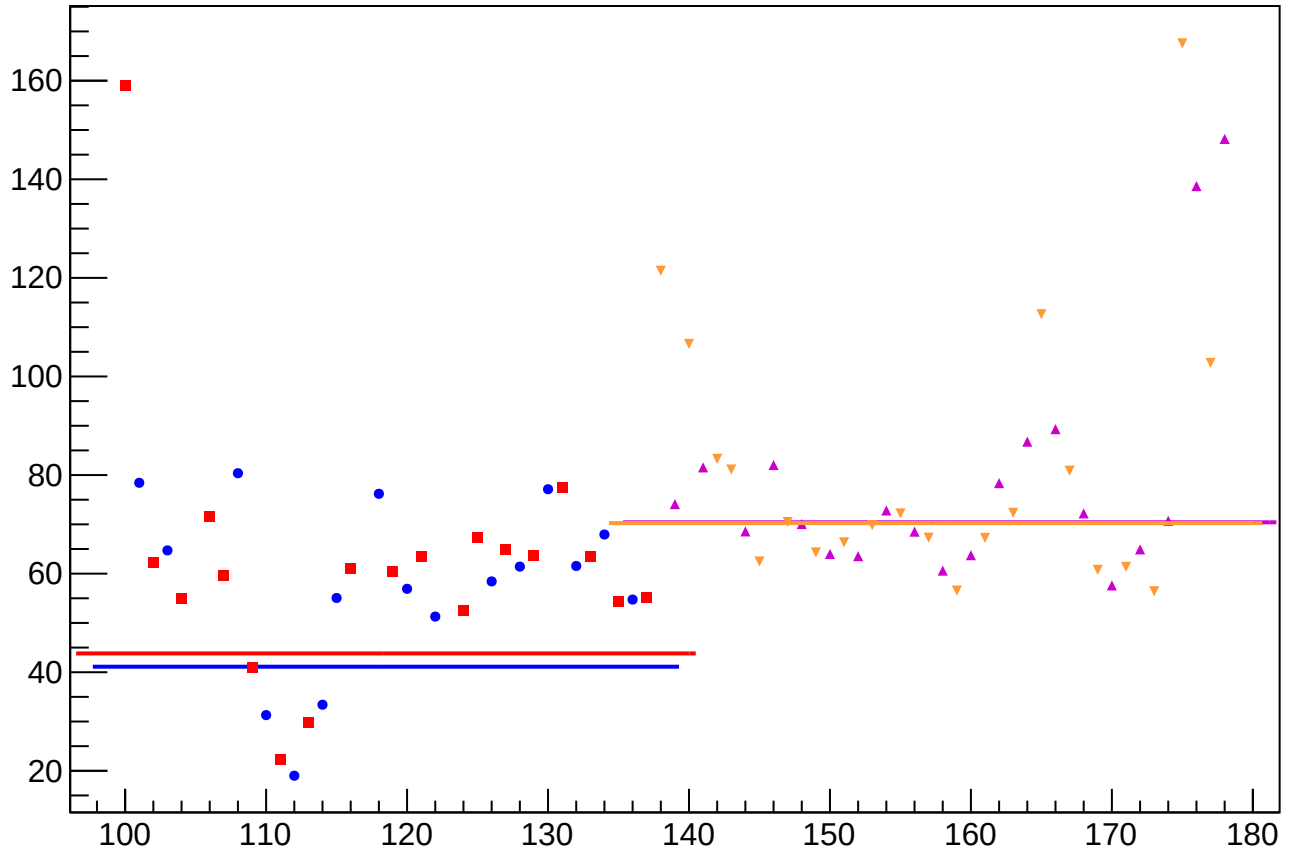
Left In: 70.416+/-0.013 χ^2/NDF:957989.8/19

+ sign 55.416+/-0.009 χ^2/NDF: 7144999.6/36

All: 56.097+/-0.006 χ^2/NDF: 12311919.1/75

- sign 56.794+/-0.009 χ^2/NDF: 5155258.1/38


asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
−1.8
100
110
120
130
140
150
160
170
180
Right In: 0.052+/-0.018 χ²/NDF: 18.0/15
Left Out: -0.015+/-0.018 χ²/NDF:20.1/20
Right Out: -0.001+/-0.018 χ²/NDF: 19.2/18
Left In: -0.011+/-0.018 χ²/NDF:21.1/19
+ sign 0.019+/-0.013 χ²/NDF: 45.0/36
All: 0.007+/-0.009 χ²/NDF: 87.5/75
- sign -0.006+/-0.013 χ²/NDF: 40.5/38



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 70.253+/-0.013 χ^2/NDF:1582434.5/20

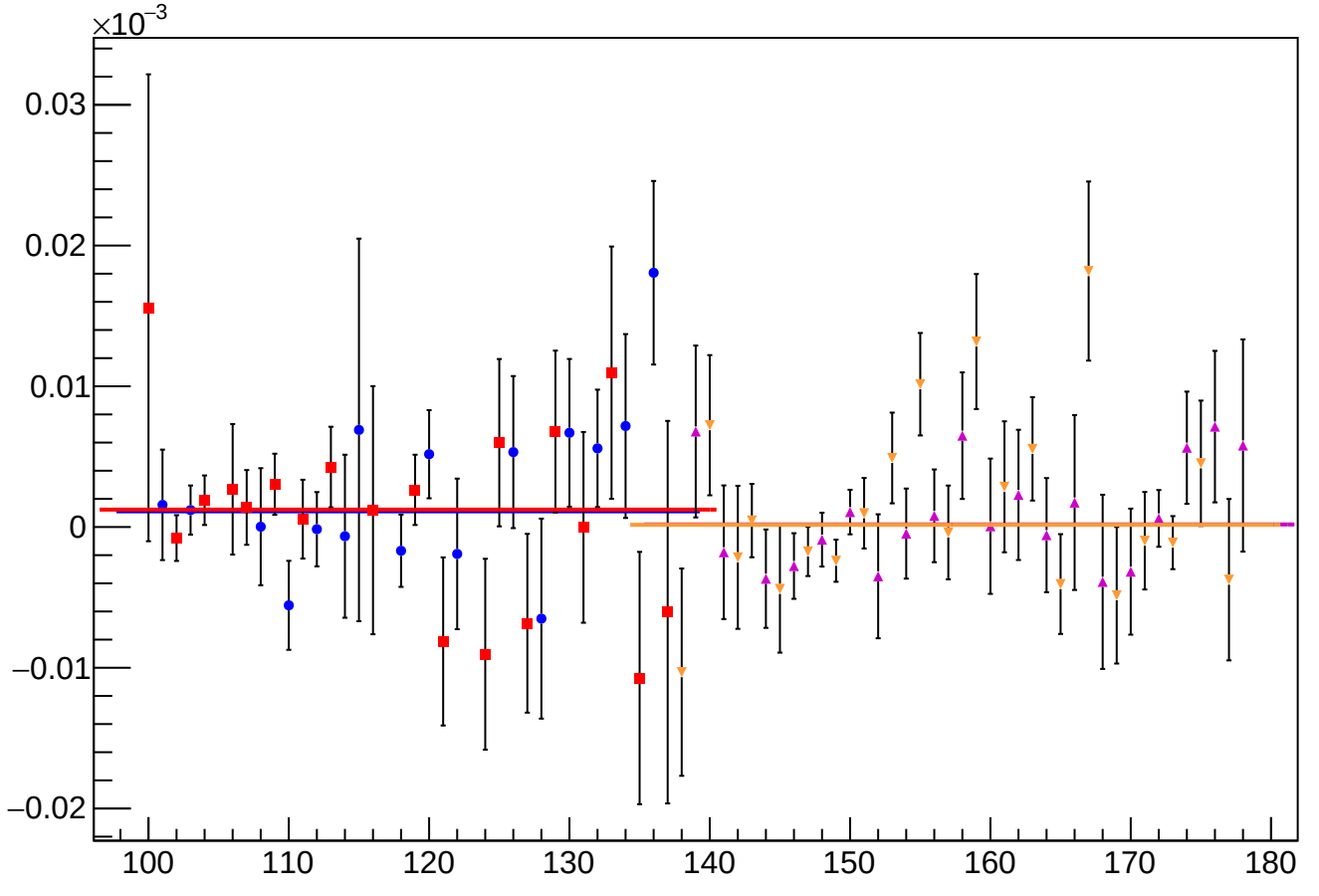
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 70.416+/-0.013 χ^2/NDF:957989.8/19

+ sign 55.416+/-0.009 χ^2/NDF: 7144999.6/36

All: 56.097+/-0.006 χ^2/NDF: 12311919.1/75

- sign 56.794+/-0.009 χ^2/NDF: 5155258.1/38



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:41.5/20

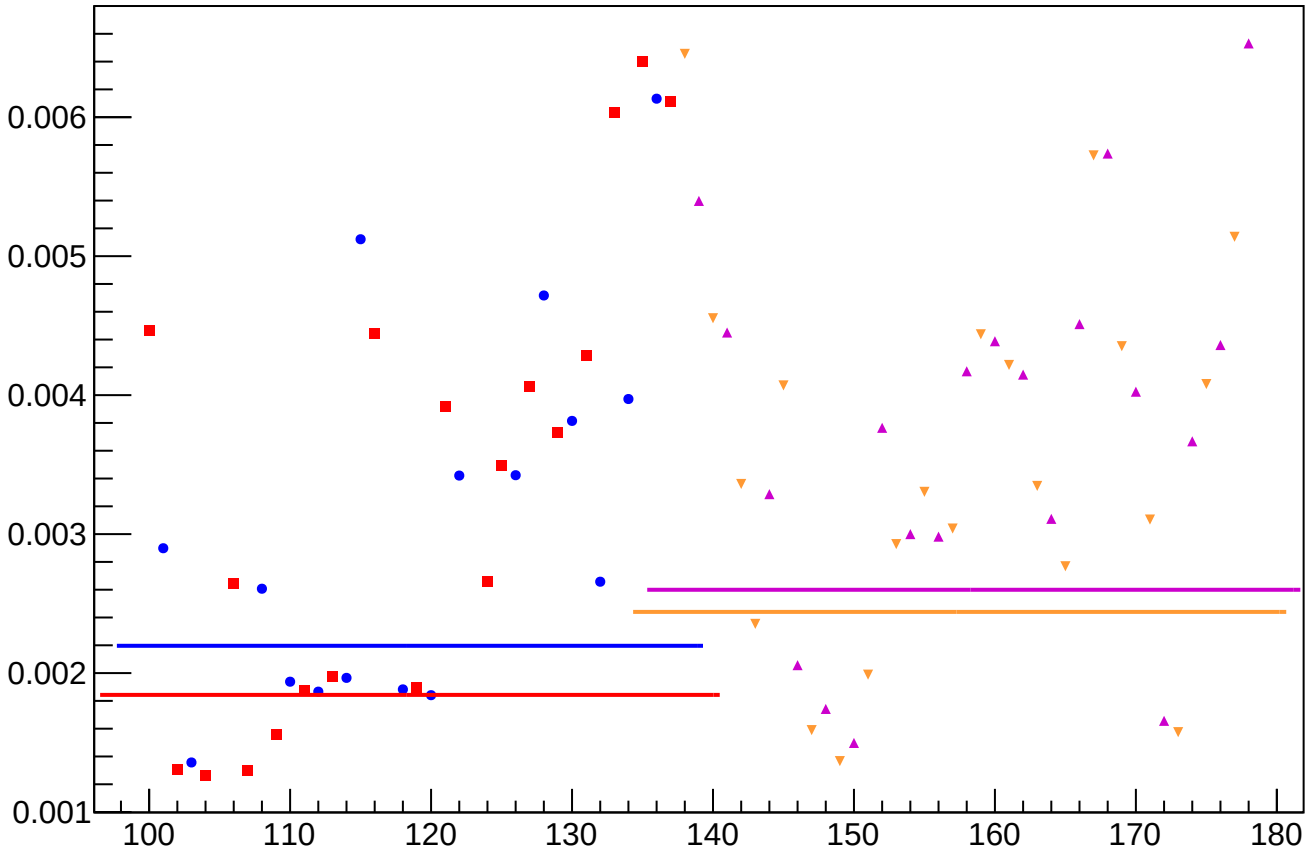
Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:13.0/19

+ sign 0.000+/-0.000 χ^2/NDF: 62.2/36

All: 0.000+/-0.000 χ^2/NDF: 92.1/75

- sign 0.000+/-0.000 χ^2/NDF: 29.9/38



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:5900967.0/20

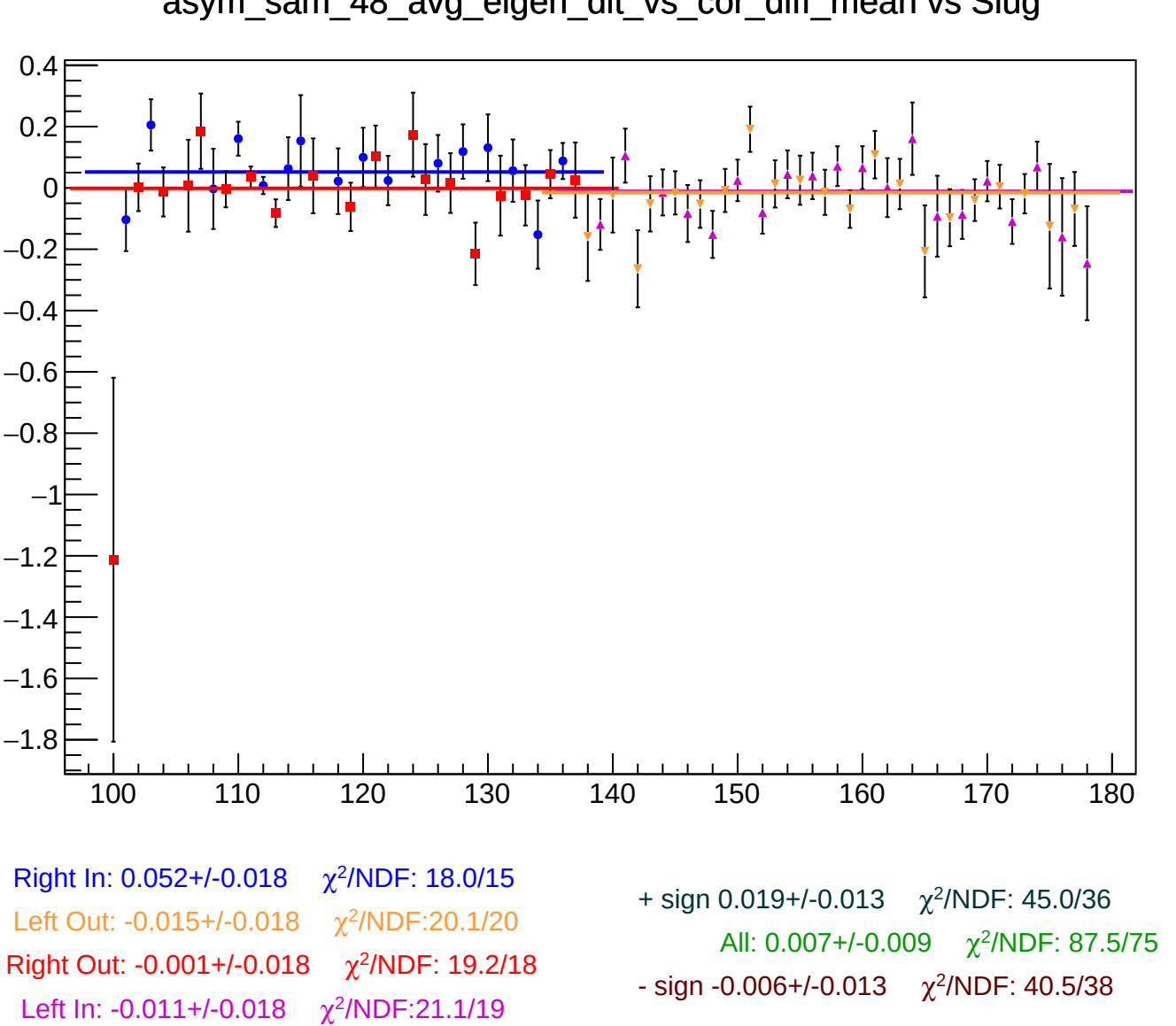
Right Out: 0.002+/-0.000 χ^2/NDF: 3137598.0/18

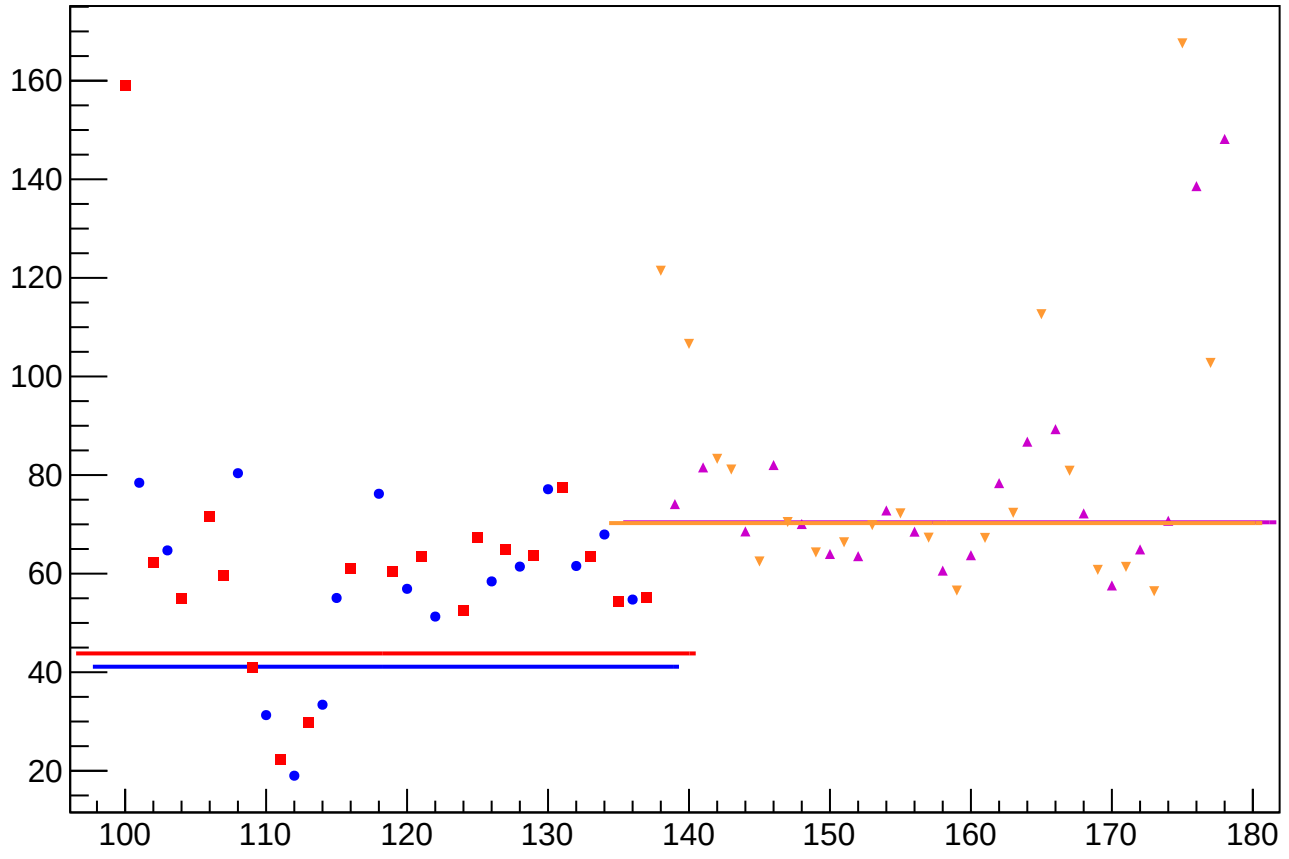
Left In: 0.003+/-0.000 χ^2/NDF:5502801.9/19

+ sign 0.002+/-0.000 χ^2/NDF: 8287553.5/36

All: 0.002+/-0.000 χ^2/NDF: 18007167.5/75

- sign 0.002+/-0.000 χ^2/NDF: 9674880.9/38


asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
−1.8
100
110
120
130
140
150
160
170
180
Right In: 0.052+/-0.018 χ²/NDF: 18.0/15
Left Out: -0.015+/-0.018 χ²/NDF:20.1/20
Right Out: -0.001+/-0.018 χ²/NDF: 19.2/18
Left In: -0.011+/-0.018 χ²/NDF:21.1/19
+ sign 0.019+/-0.013 χ²/NDF: 45.0/36
All: 0.007+/-0.009 χ²/NDF: 87.5/75
- sign -0.006+/-0.013 χ²/NDF: 40.5/38



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 70.254+/-0.013 χ^2/NDF:1582383.0/20

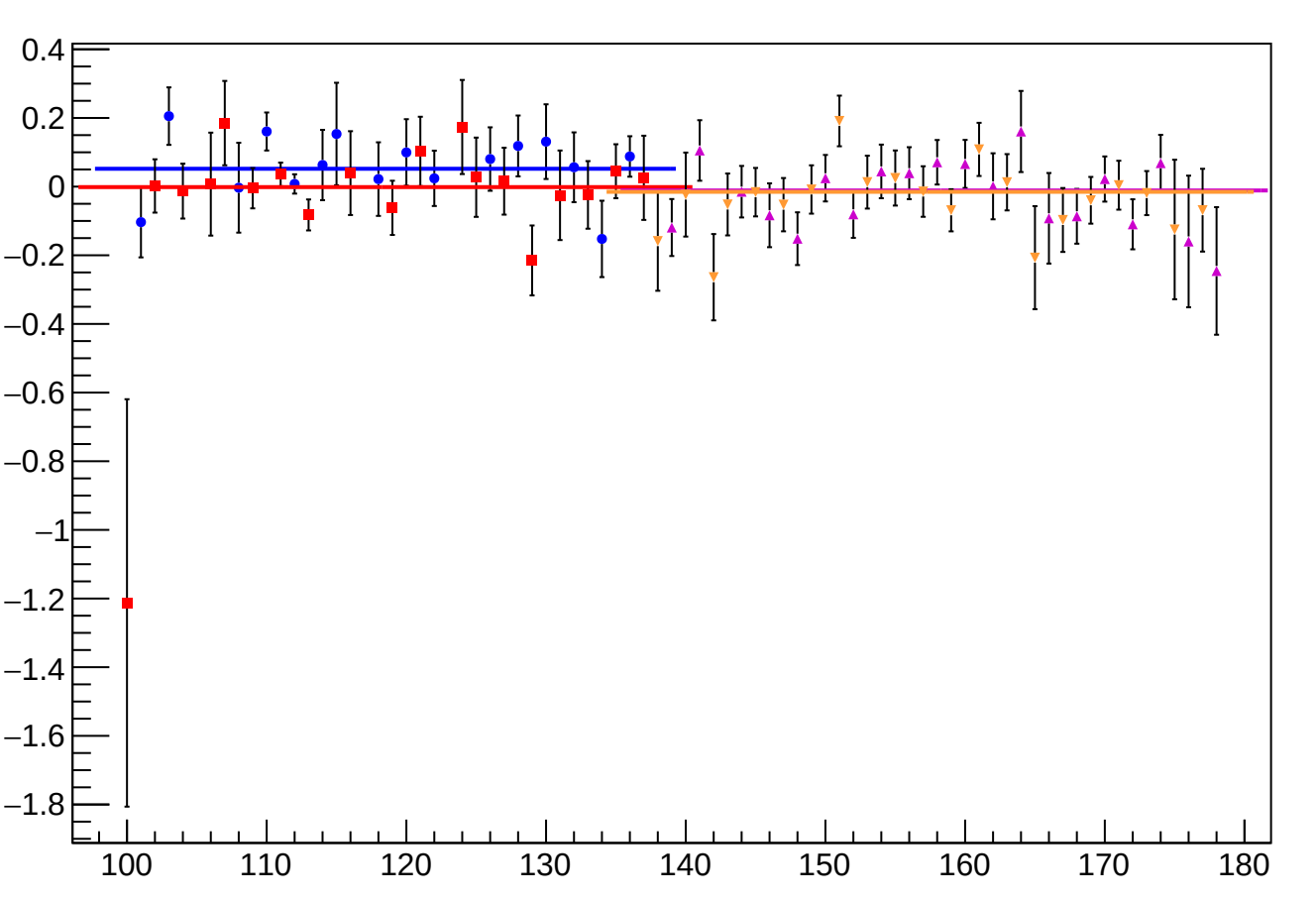
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 70.417+/-0.013 χ^2/NDF:957943.0/19

+ sign 55.416+/-0.009 χ^2/NDF: 7145402.3/36

All: 56.097+/-0.006 χ^2/NDF: 12312701.2/75

- sign 56.793+/-0.009 χ^2/NDF: 5155636.5/38



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.015+/-0.018 χ^2/NDF:20.1/20

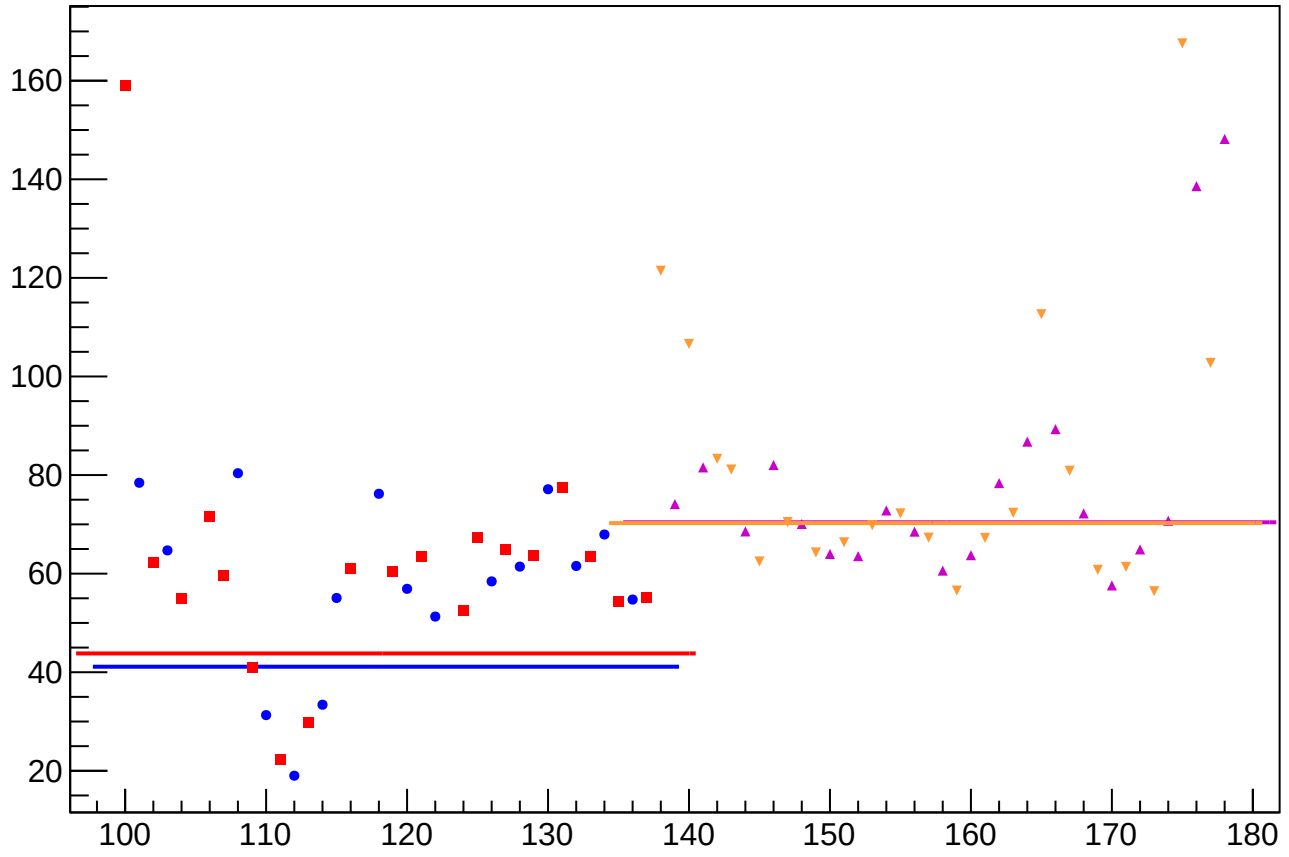
Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.011+/-0.018 χ^2/NDF:21.1/19

+ sign 0.019+/-0.013 χ^2/NDF: 45.0/36

All: 0.007+/-0.009 χ^2/NDF: 87.5/75

- sign -0.006+/-0.013 χ^2/NDF: 40.5/38



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 70.254+/-0.013 χ^2/NDF:1582383.0/20

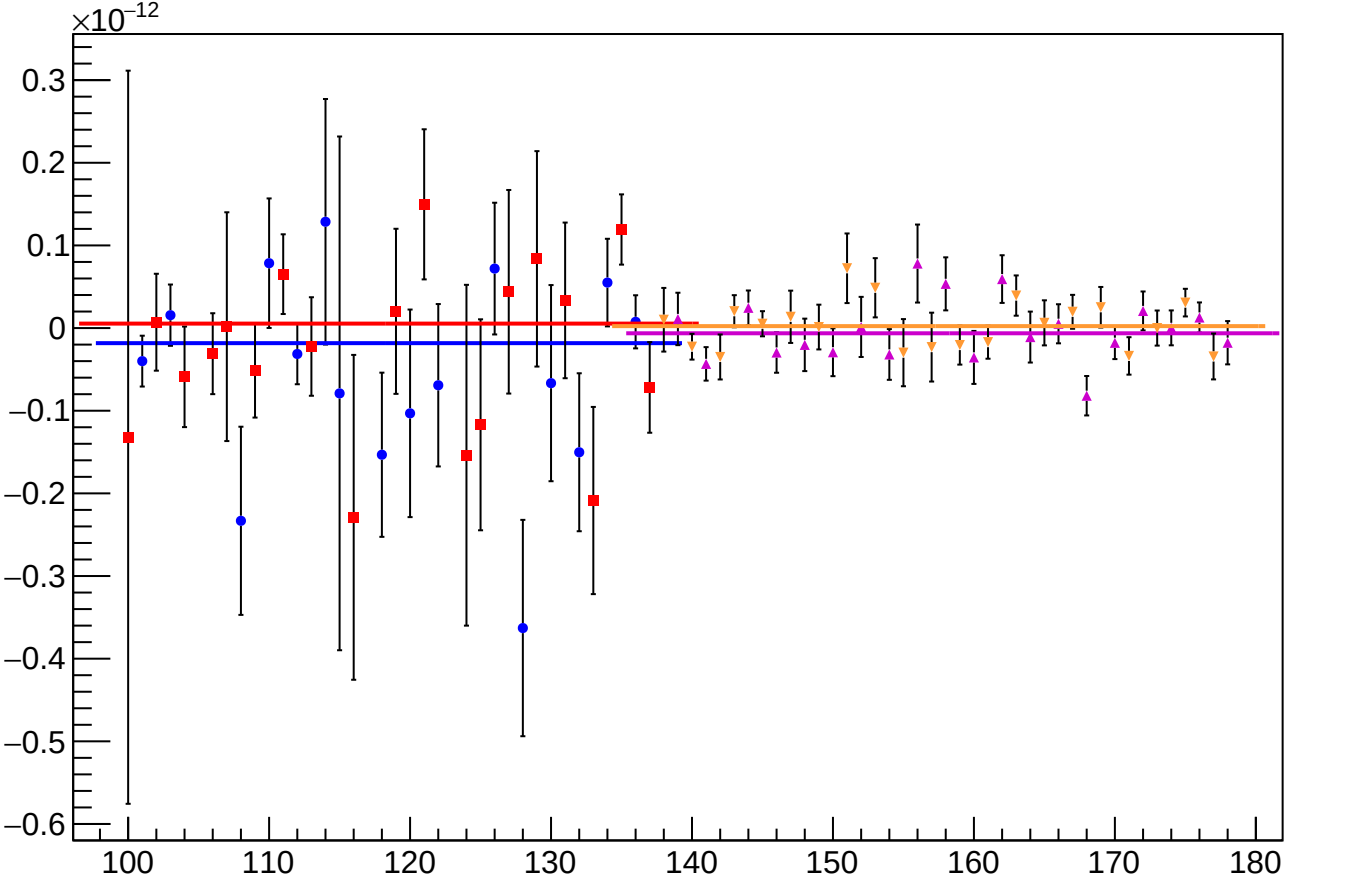
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 70.417+/-0.013 χ^2/NDF:957943.0/19

+ sign 55.416+/-0.009 χ^2/NDF: 7145402.3/36

All: 56.097+/-0.006 χ^2/NDF: 12312701.2/75

- sign 56.793+/-0.009 χ^2/NDF: 5155636.5/38



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.9/20

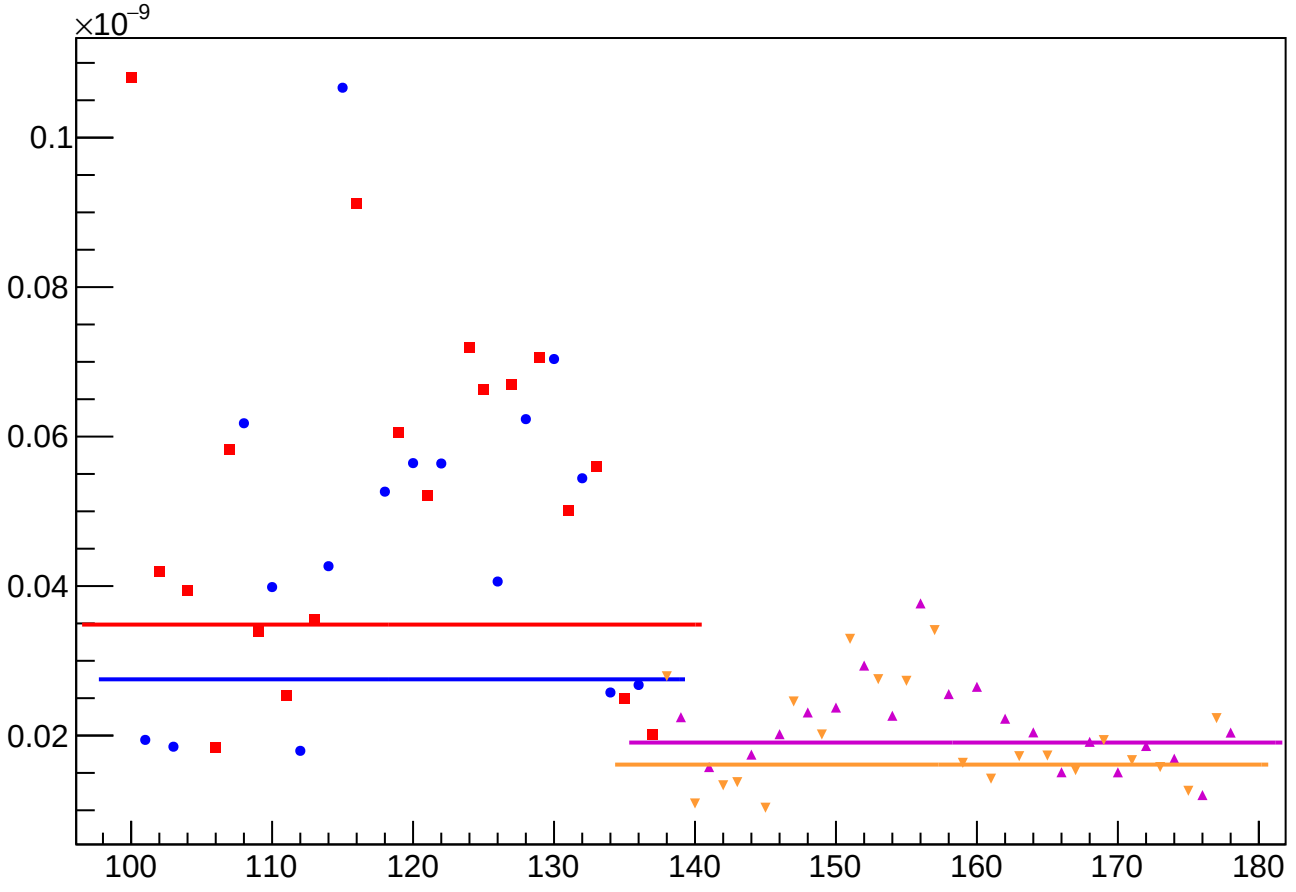
Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: -0.000+/-0.000 χ^2/NDF:34.3/19

+ sign 0.000+/-0.000 χ^2/NDF: 48.7/36

All: -0.000+/-0.000 χ^2/NDF: 107.2/75

- sign -0.000+/-0.000 χ^2/NDF: 58.0/38



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2238037.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

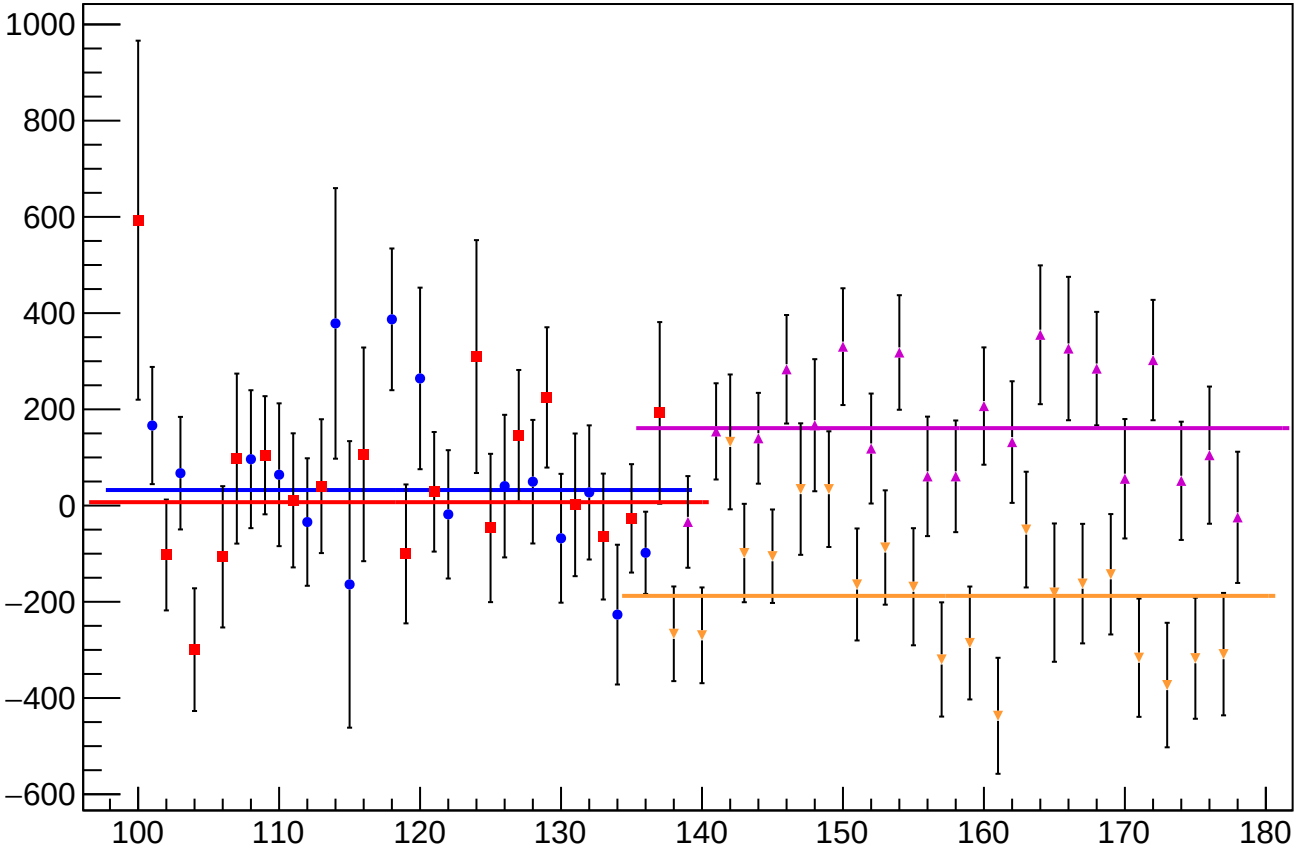
Left In: 0.000+/-0.000 χ^2/NDF:1355438.6/19

+ sign 0.000+/-0.000 χ^2/NDF: 5151496.1/36

All: 0.000+/-0.000 χ^2/NDF: 10208897.5/75

- sign 0.000+/-0.000 χ^2/NDF: 4633458.5/38

reg_asym_sam_15_dd_mean vs Slug



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

Left Out: -187.693+/-25.811 χ^2/NDF:27.6/20

Right Out: 7.070+/-33.420 χ^2/NDF: 17.8/18

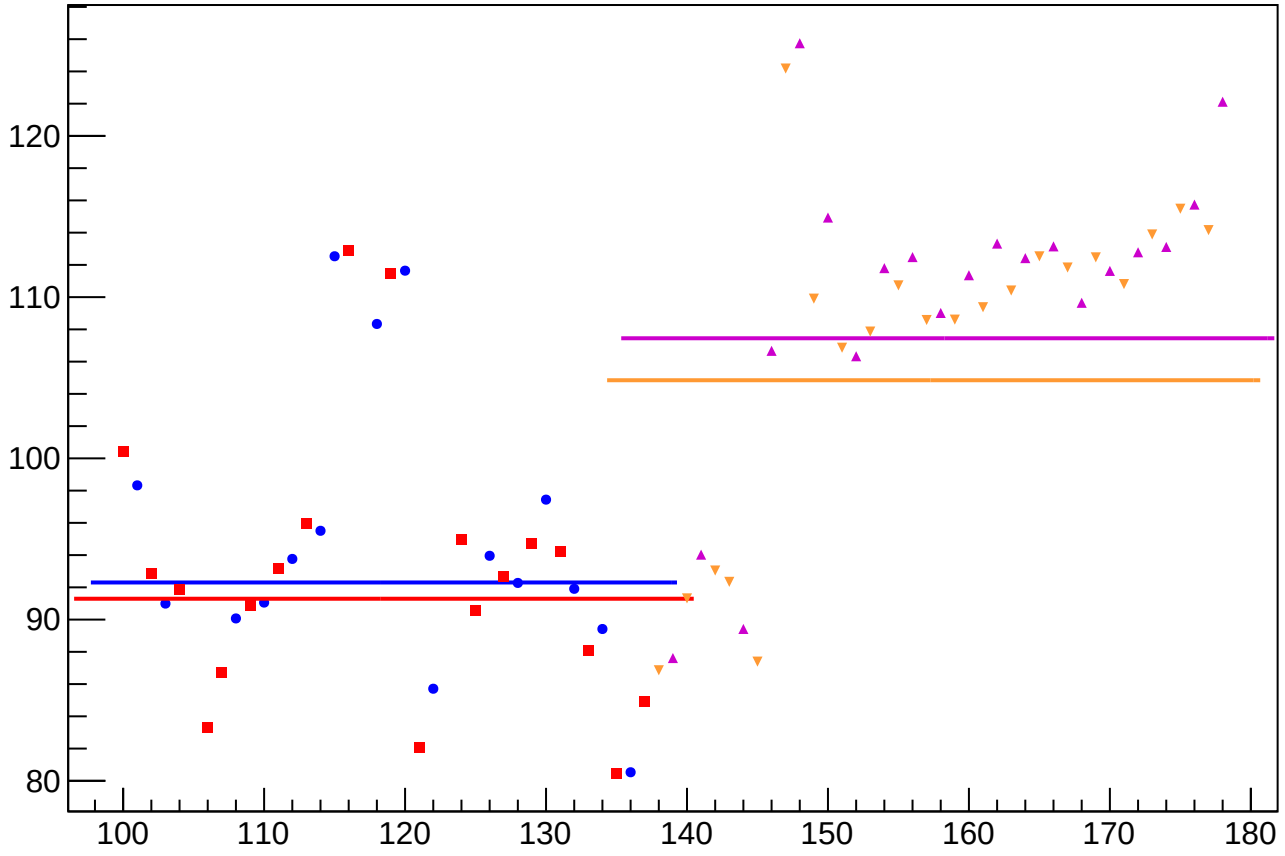
Left In: 160.945+/-26.715 χ^2/NDF:19.8/19

+ sign -108.538+/-20.652 χ^2/NDF: 71.1/36

All: -4.878+/-14.679 χ^2/NDF: 172.5/75

- sign 100.954+/-20.867 χ^2/NDF: 50.5/38

reg_asym_sam_15_dd_rms vs Slug



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 104.846+/-0.018 χ^2/NDF:332718.4/20

Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

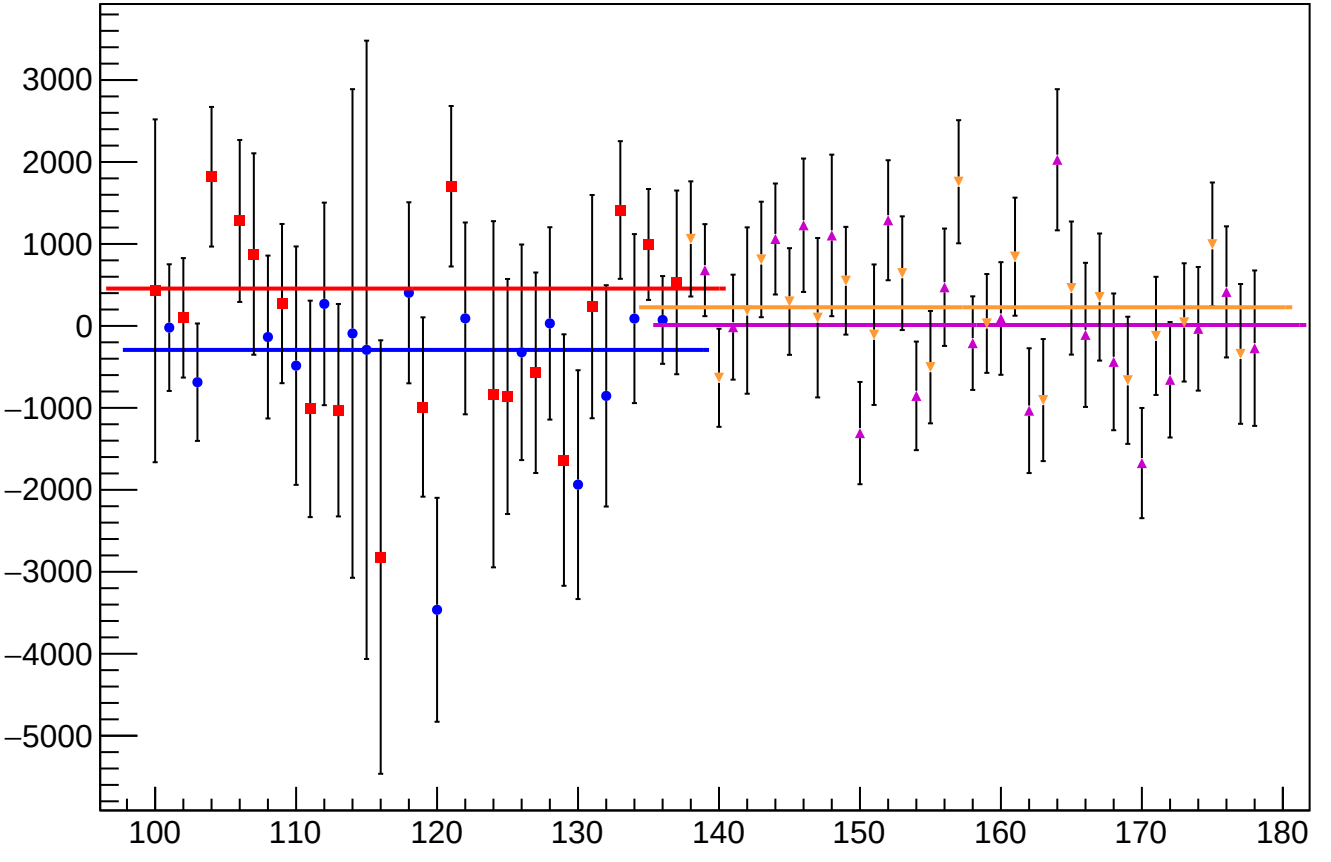
Left In: 107.449+/-0.019 χ^2/NDF:297945.2/19

+ sign 100.333+/-0.015 χ^2/NDF: 609737.1/36

All: 100.737+/-0.010 χ^2/NDF: 1299480.1/75

- sign 101.150+/-0.015 χ^2/NDF: 688190.6/38

asym_sam_15_dd_reg_correction_mean vs Slug



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 227.542+/-159.764 χ^2/NDF:16.6/20

Right Out: 455.830+/-248.717 χ^2/NDF: 16.9/18

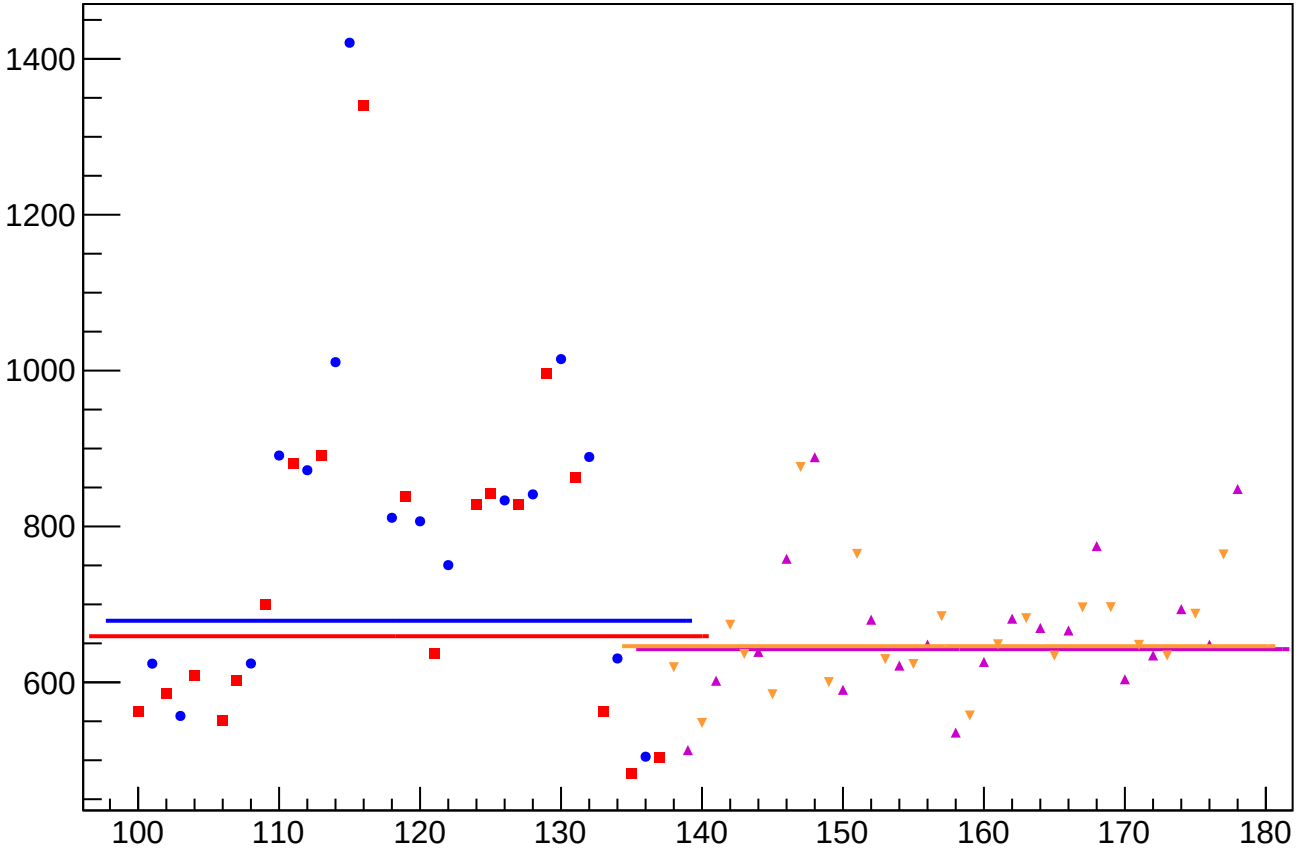
Left In: 11.166+/-160.858 χ^2/NDF:32.3/19

+ sign 84.688+/-136.075 χ^2/NDF: 28.3/36

All: 113.712+/-95.863 χ^2/NDF: 79.8/75

- sign 142.309+/-135.070 χ^2/NDF: 51.4/38

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 646.368+/-0.113 χ^2/NDF:355481.2/20

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

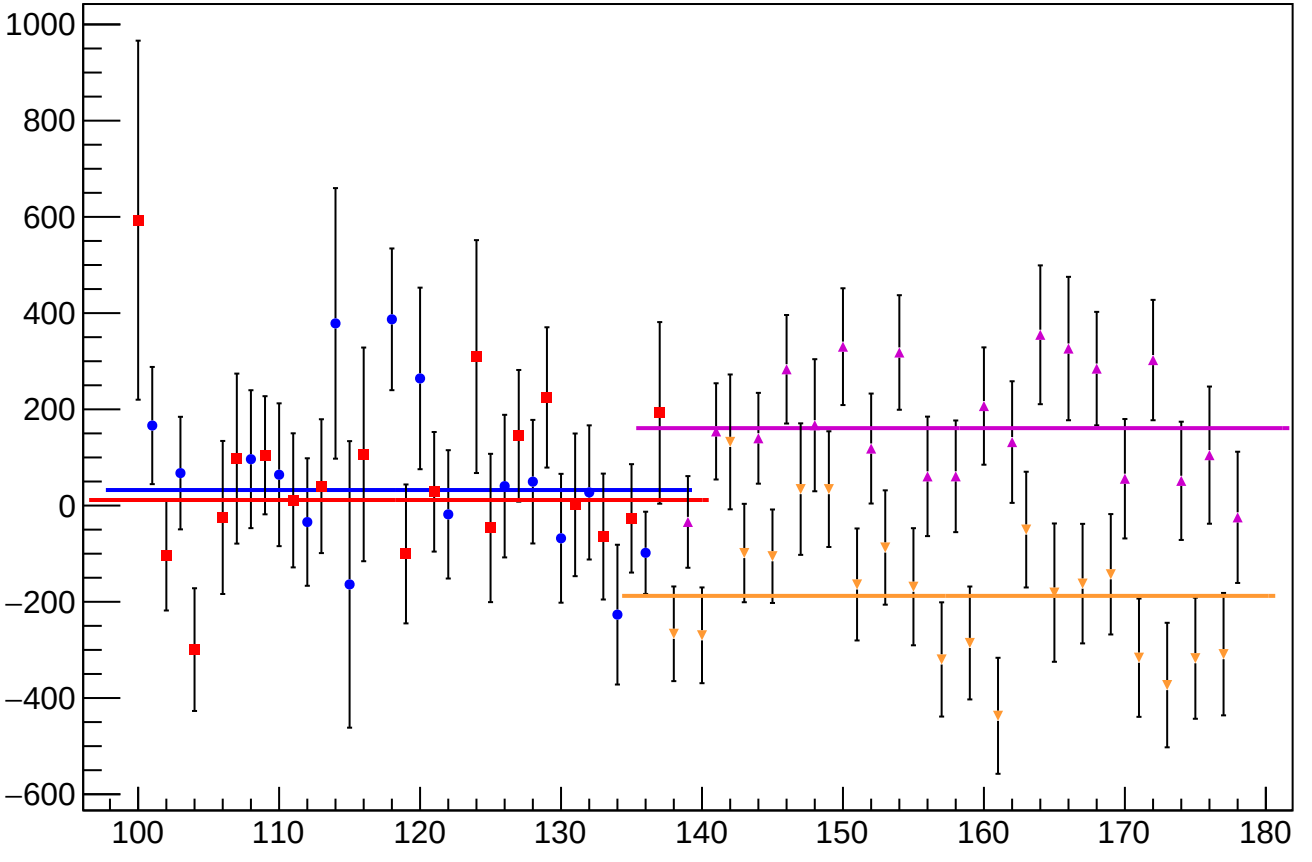
Left In: 642.566+/-0.114 χ^2/NDF:542315.0/19

+ sign 655.328+/-0.096 χ^2/NDF: 1146377.4/36

All: 651.361+/-0.068 χ^2/NDF: 2494202.4/75

- sign 647.452+/-0.096 χ^2/NDF: 1344449.8/38

cor_asym_sam_15_dd_mean vs Slug



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -187.692+/-25.811 χ^2/NDF:27.6/20

Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

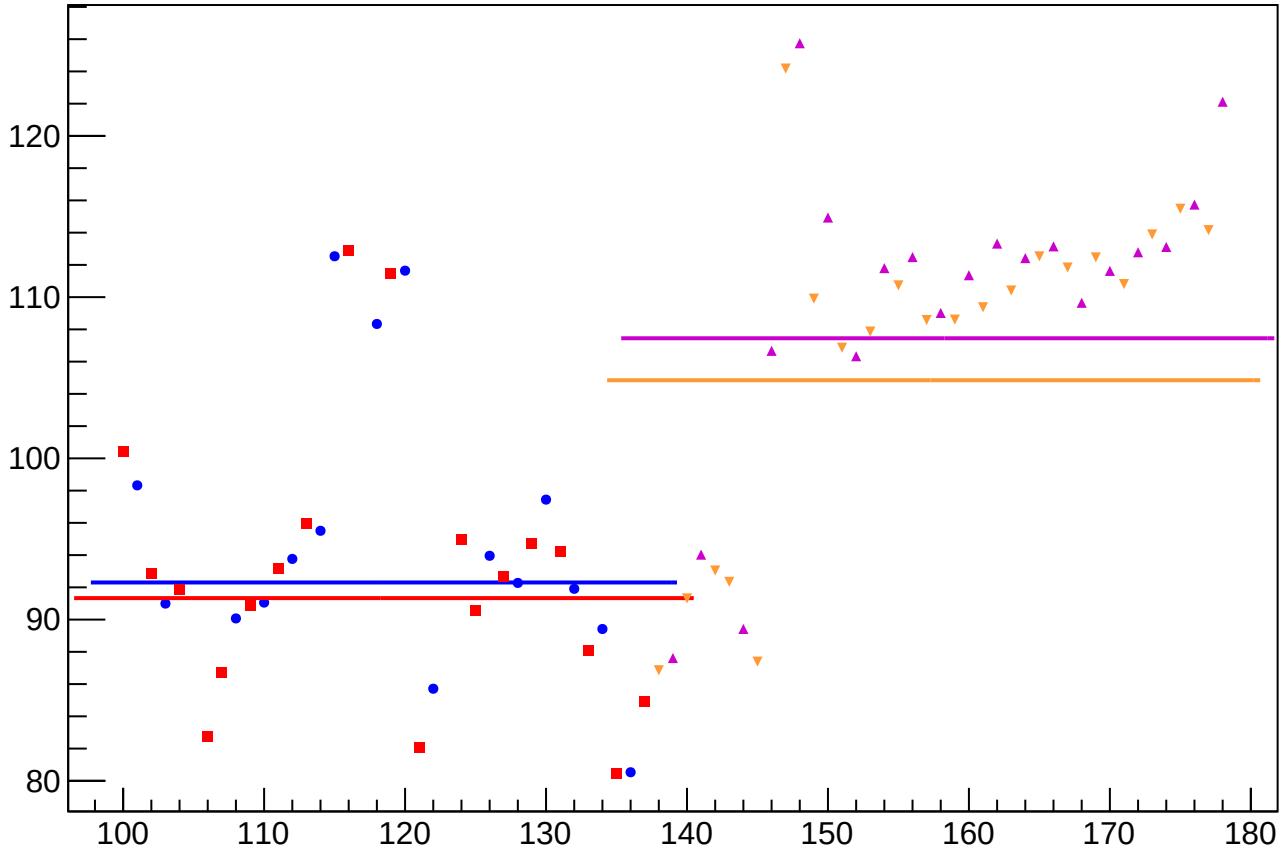
Left In: 160.948+/-26.715 χ^2/NDF:19.8/19

+ sign -108.532+/-20.652 χ^2/NDF: 71.1/36

All: -4.028+/-14.689 χ^2/NDF: 172.0/75

- sign 102.986+/-20.898 χ^2/NDF: 49.1/38

cor_asym_sam_15_dd_rms vs Slug



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 104.846+/-0.018 χ^2/NDF:332718.4/20

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

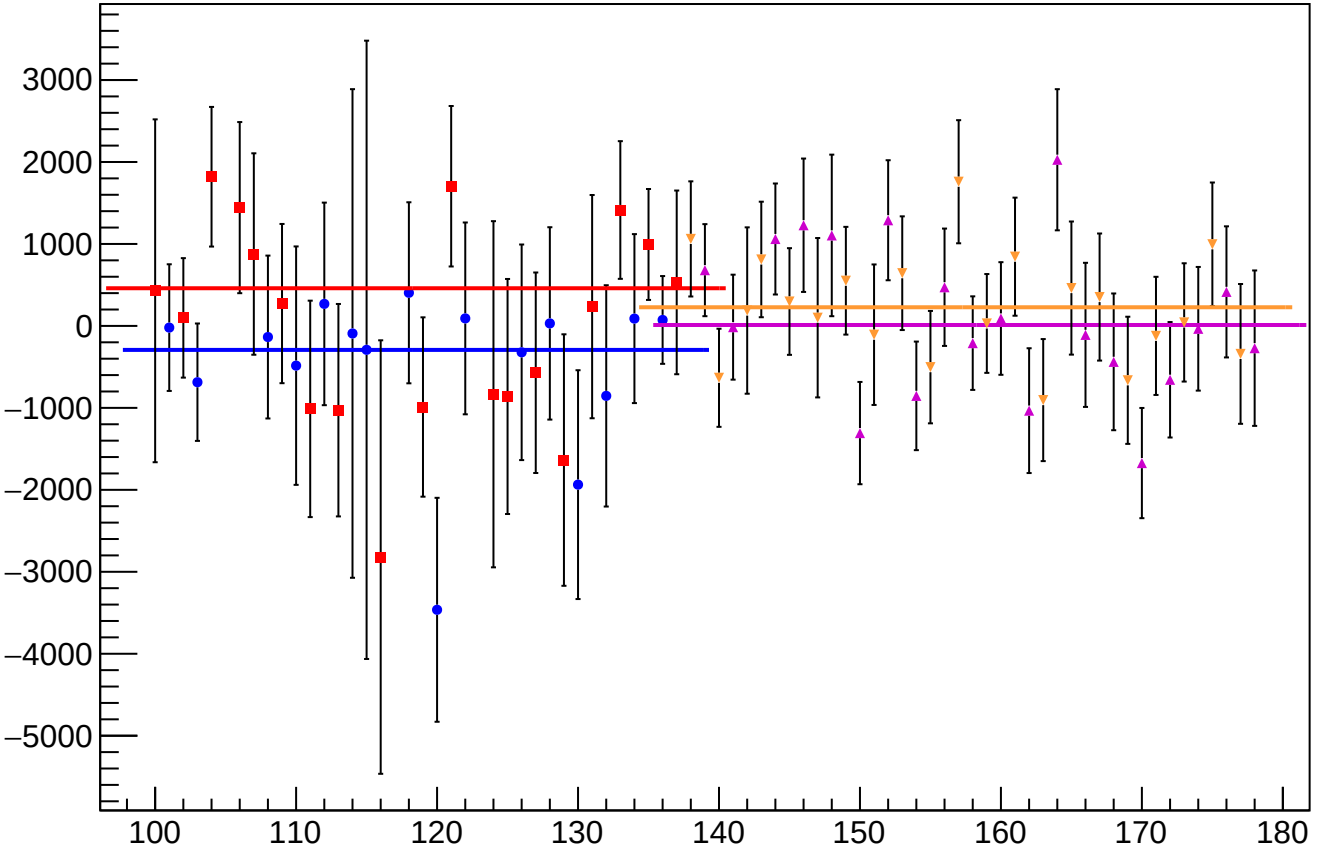
Left In: 107.449+/-0.019 χ^2/NDF:297945.2/19

\+ sign 100.333+/-0.015 χ^2/NDF: 609737.0/36

All: 100.759+/-0.010 χ^2/NDF: 1296791.3/75

\- sign 101.195+/-0.015 χ^2/NDF: 685331.5/38

asym_sam_15_dd_cor_correction_mean vs Slug



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 227.539+/-159.764 χ^2/NDF:16.6/20

Right Out: 459.595+/-249.543 χ^2/NDF: 17.1/18

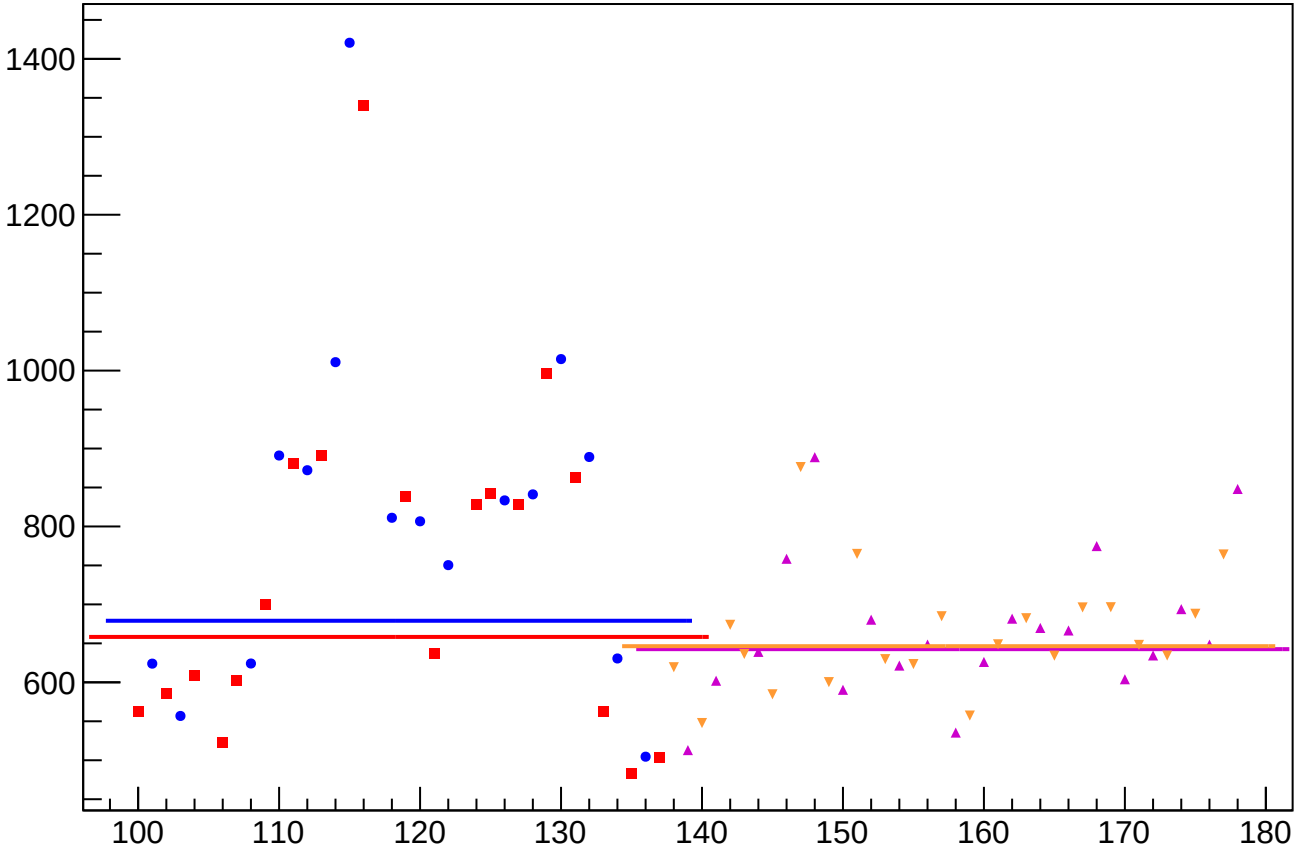
Left In: 11.169+/-160.858 χ^2/NDF:32.3/19

+ sign 84.687+/-136.075 χ^2/NDF: 28.3/36

All: 113.932+/-95.910 χ^2/NDF: 80.0/75

- sign 142.804+/-135.202 χ^2/NDF: 51.6/38

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 646.368+/-0.113 χ^2/NDF:355481.6/20

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

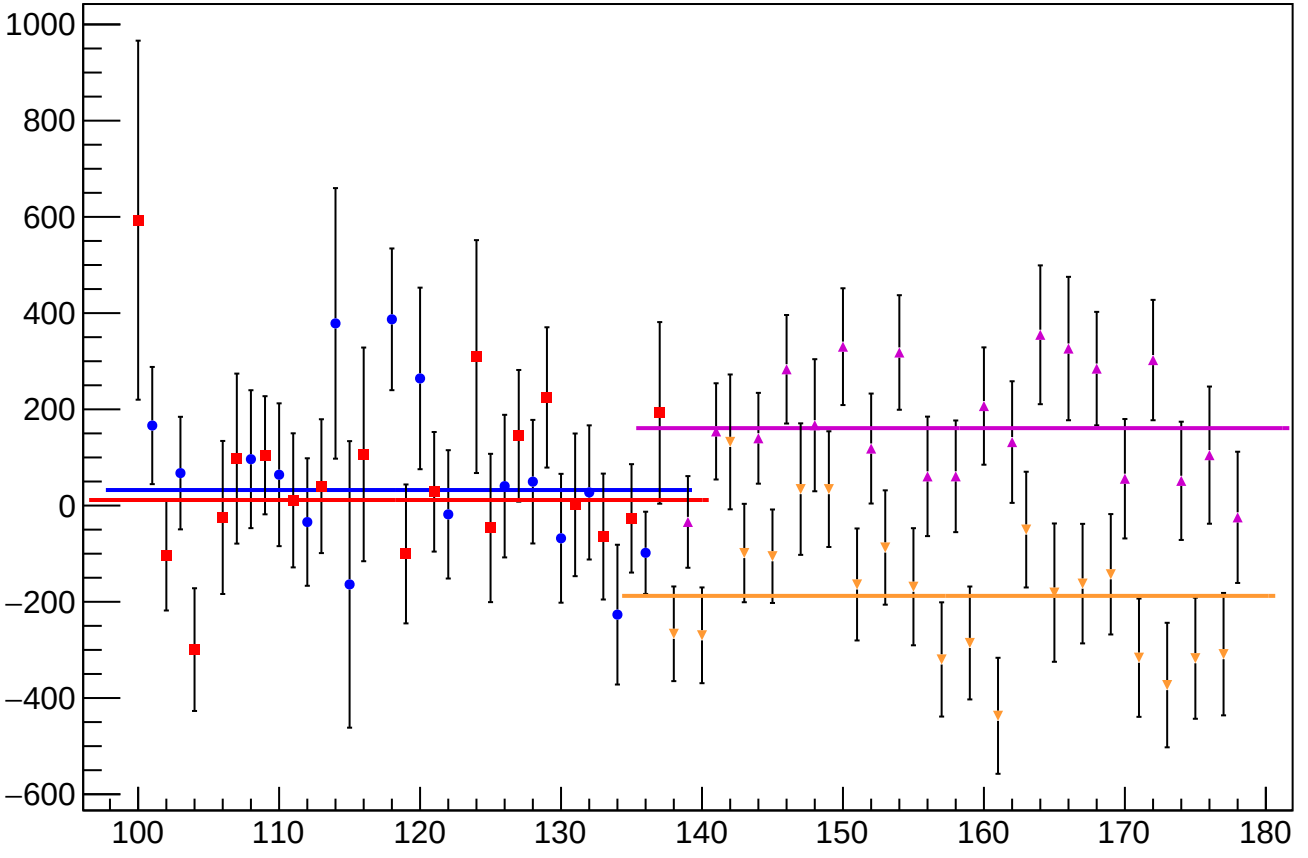
Left In: 642.566+/-0.114 χ^2/NDF:542316.7/19

+ sign 655.328+/-0.096 χ^2/NDF: 1146379.1/36

All: 651.225+/-0.068 χ^2/NDF: 2503798.5/75

- sign 647.173+/-0.096 χ^2/NDF: 1353804.7/38

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -187.692+/-25.811 χ^2/NDF:27.6/20

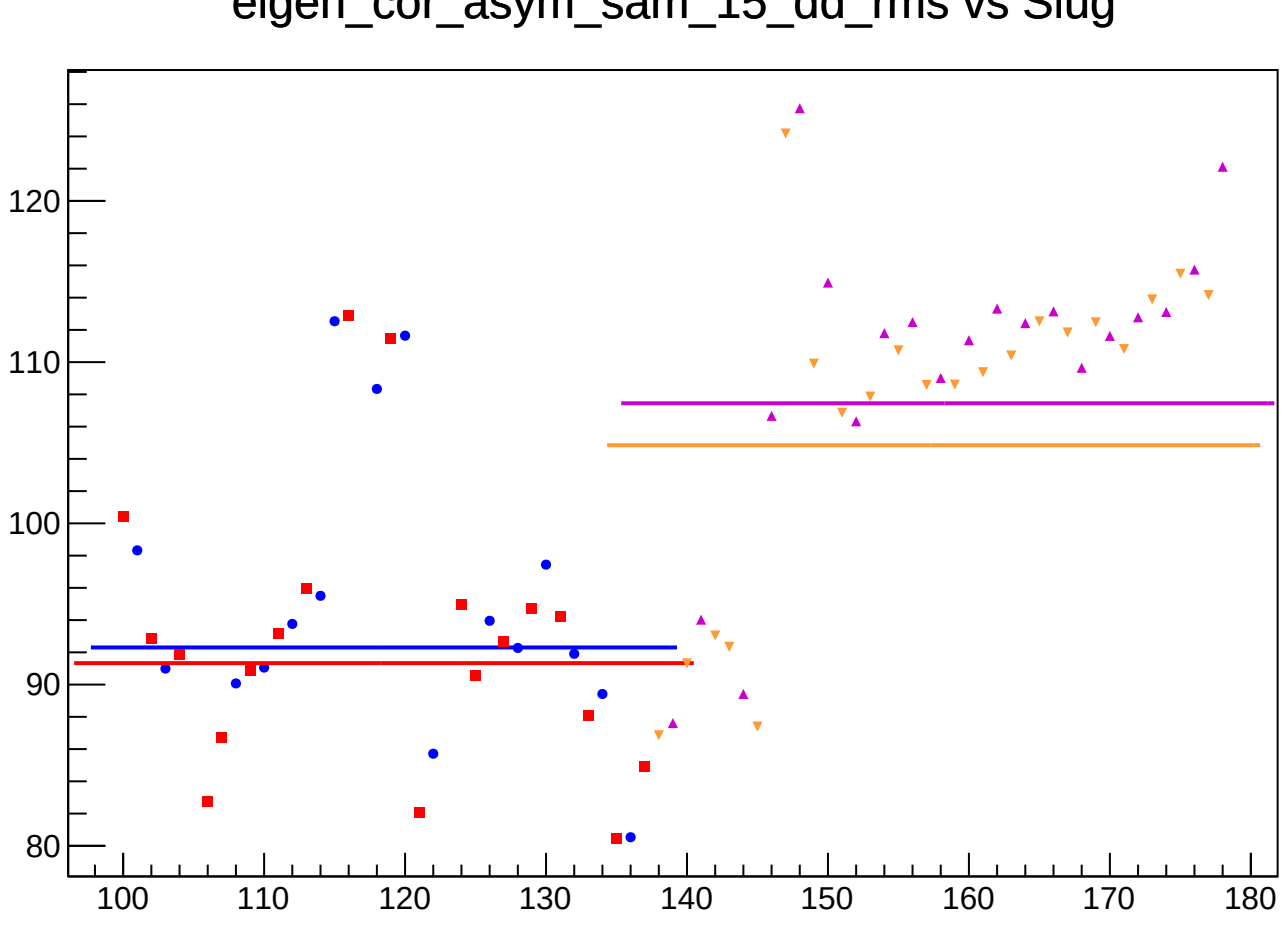
Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: 160.948+/-26.715 χ^2/NDF:19.8/19

+ sign -108.532+/-20.652 χ^2/NDF: 71.1/36

All: -4.028+/-14.689 χ^2/NDF: 172.0/75

- sign 102.986+/-20.898 χ^2/NDF: 49.1/38



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 104.846+/-0.018 χ^2/NDF:332718.4/20

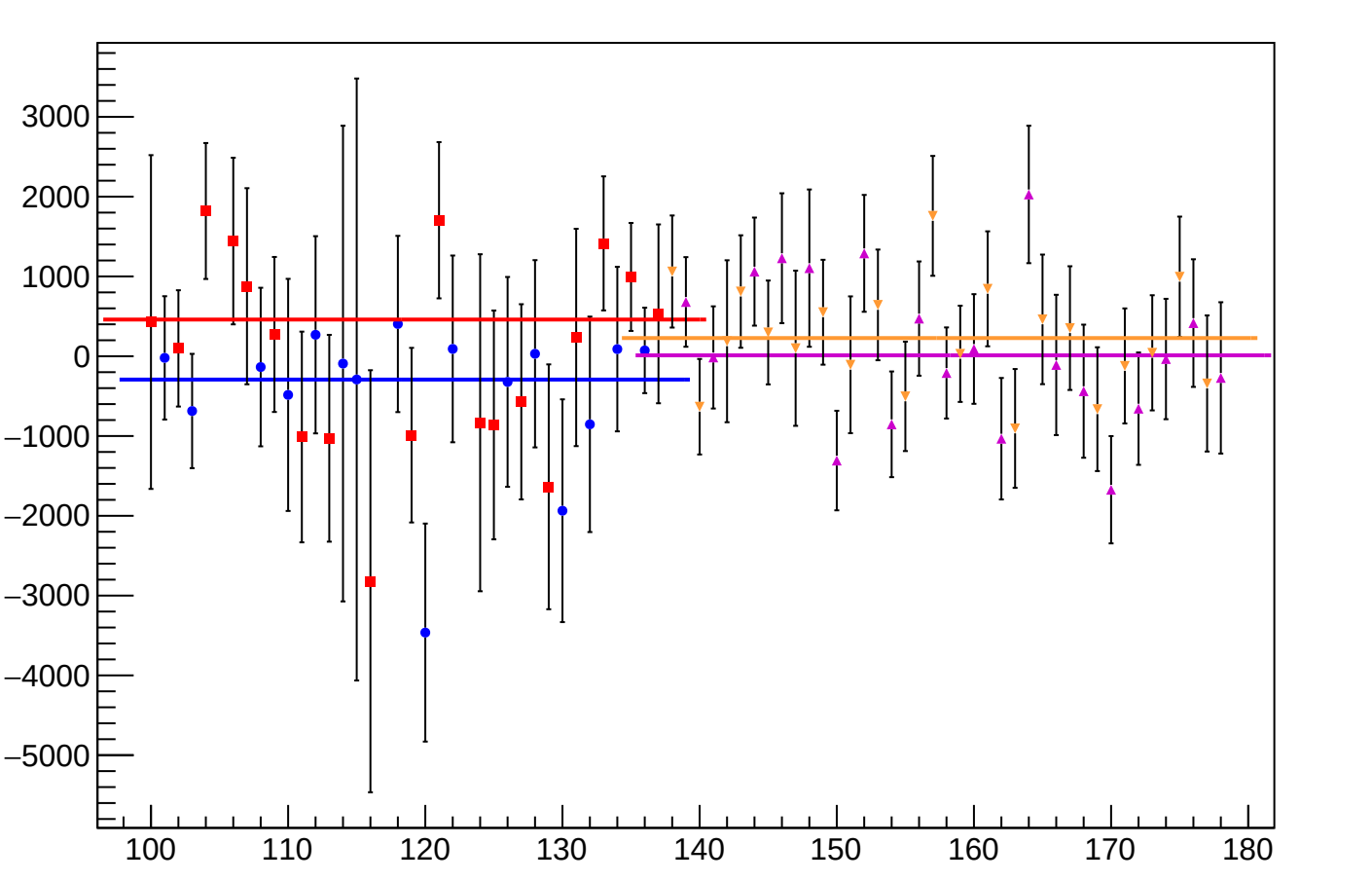
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 107.449+/-0.019 χ^2/NDF:297945.2/19

+ sign 100.333+/-0.015 χ^2/NDF: 609737.0/36

All: 100.759+/-0.010 χ^2/NDF: 1296791.3/75

- sign 101.195+/-0.015 χ^2/NDF: 685331.5/38



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 227.539+/-159.764 χ^2/NDF:16.6/20

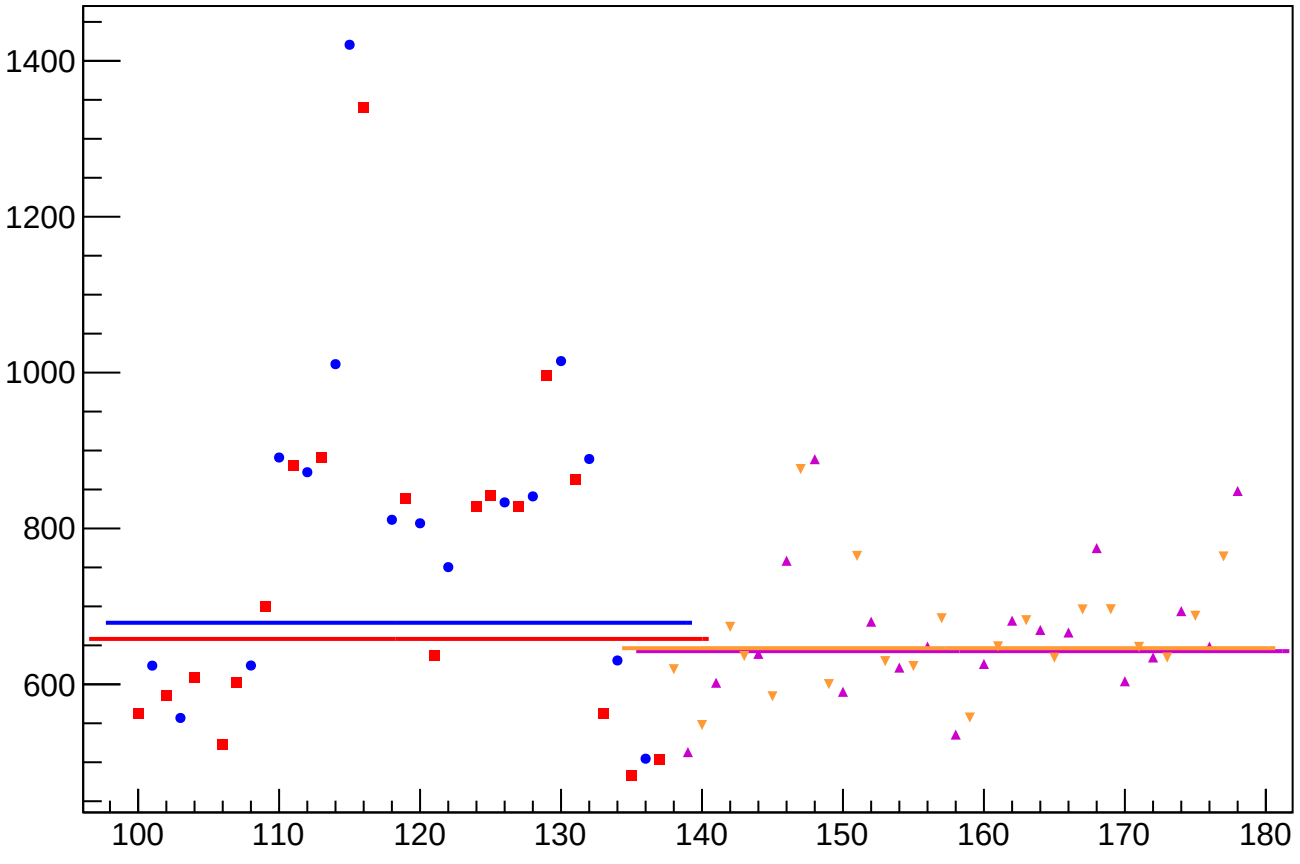
Right Out: 459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: 11.169+/-160.858 χ^2/NDF:32.3/19

+ sign 84.687+/-136.075 χ^2/NDF: 28.3/36

All: 113.932+/-95.910 χ^2/NDF: 80.0/75

- sign 142.804+/-135.202 χ^2/NDF: 51.6/38



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 646.368+/-0.113 χ^2/NDF:355481.6/20

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

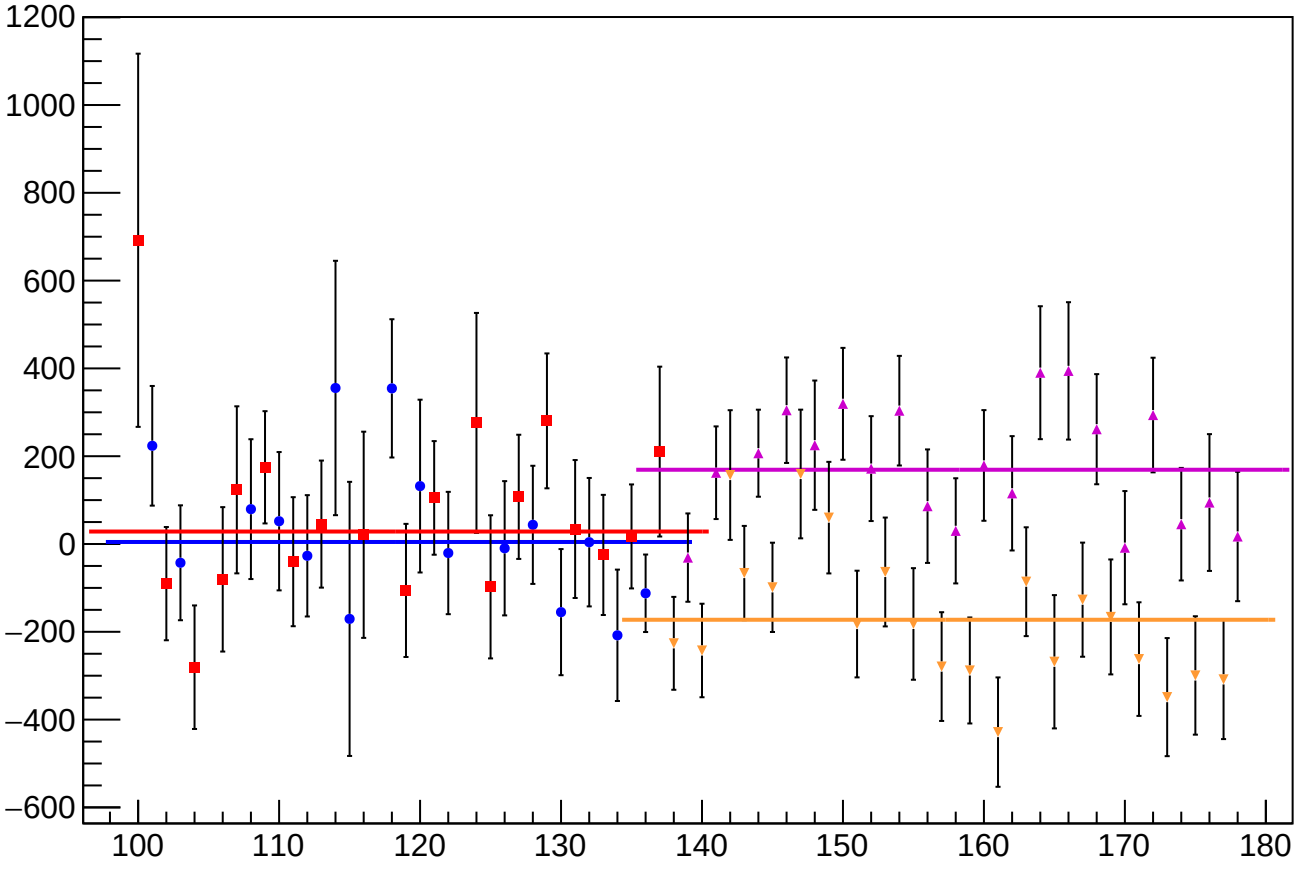
Left In: 642.566+/-0.114 χ^2/NDF:542316.7/19

+ sign 655.328+/-0.096 χ^2/NDF: 1146379.1/36

All: 651.225+/-0.068 χ^2/NDF: 2503798.5/75

- sign 647.173+/-0.096 χ^2/NDF: 1353804.7/38

dit_asym_sam_15_dd_mean vs Slug



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -172.565+/-27.136 χ^2/NDF:27.4/20

Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

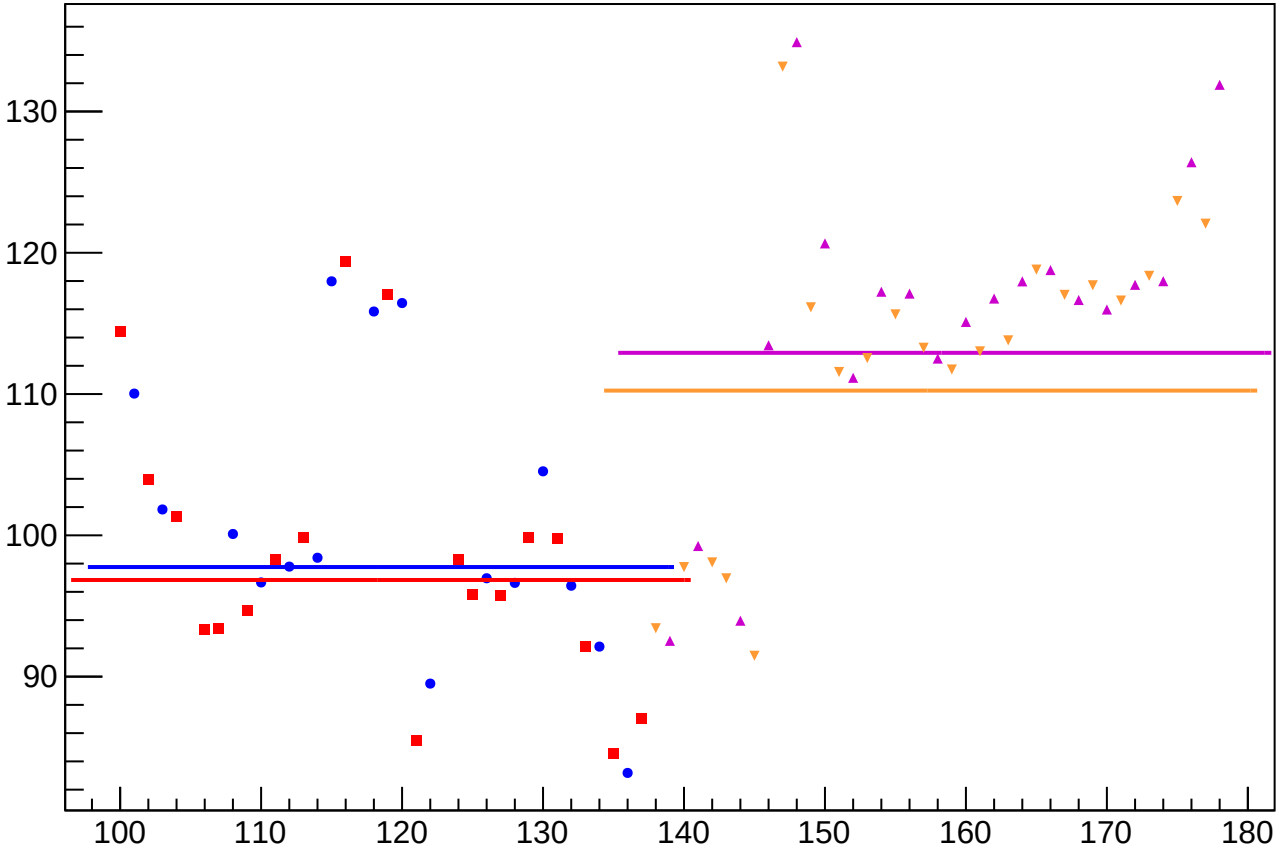
Left In: 169.150+/-28.084 χ^2/NDF:19.8/19

+ sign -109.514+/-21.779 χ^2/NDF: 57.9/36

All: 1.476+/-15.483 χ^2/NDF: 157.0/75

- sign 114.907+/-22.017 χ^2/NDF: 46.6/38

dit_asym_sam_15_dd_rms vs Slug



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 110.245+/-0.019 χ^2/NDF:317578.2/20

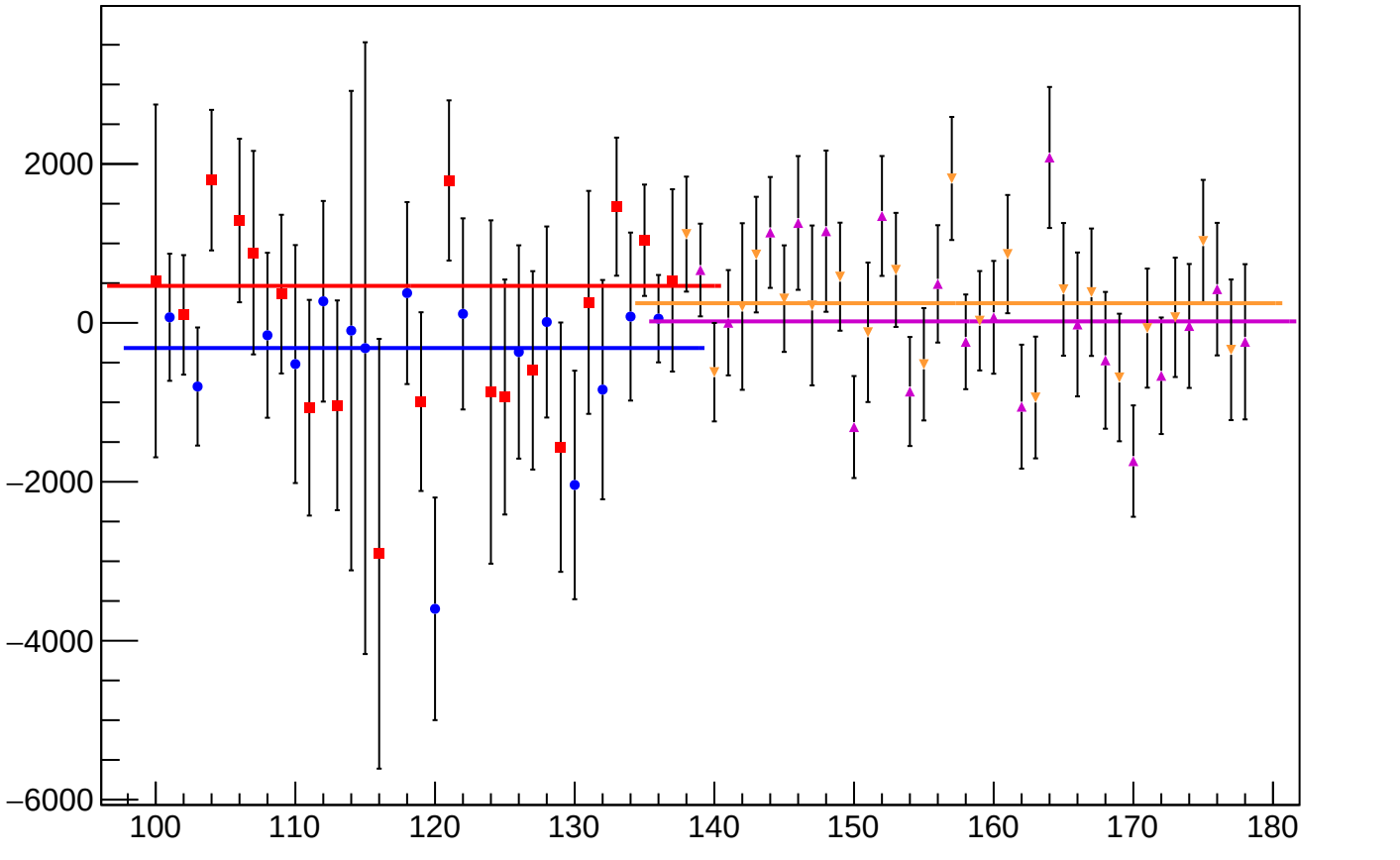
Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 112.918+/-0.020 χ^2/NDF:310087.6/19

+ sign 105.801+/-0.015 χ^2/NDF: 608991.0/36

All: 106.256+/-0.011 χ^2/NDF: 1288667.5/75

- sign 106.722+/-0.016 χ^2/NDF: 677908.8/38



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 247.423+/-165.013 χ^2/NDF:16.5/20

Right Out: 465.576+/-256.646 χ^2/NDF: 16.5/18

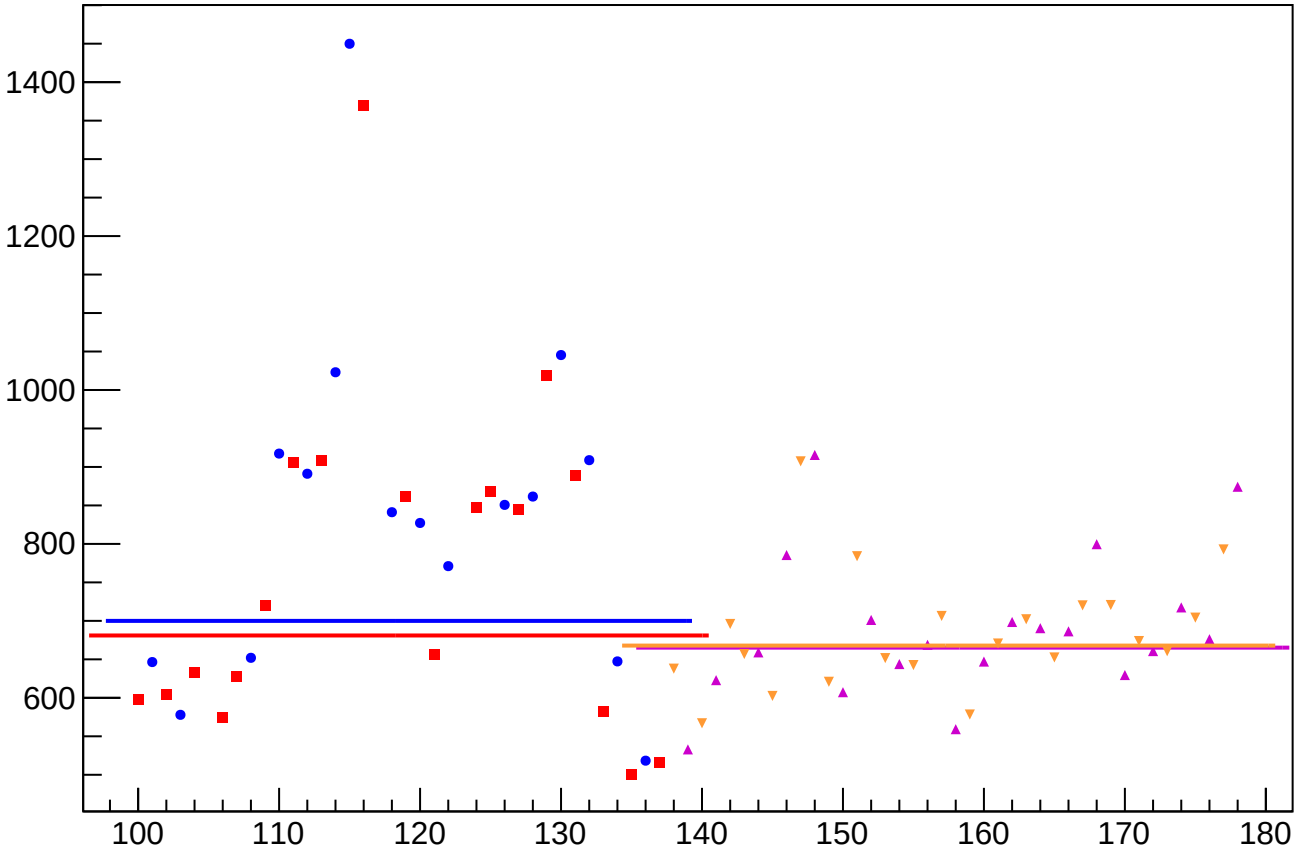
Left In: 18.833+/-166.431 χ^2/NDF:32.0/19

+ sign 91.975+/-140.444 χ^2/NDF: 28.9/36

All: 121.700+/-99.023 χ^2/NDF: 79.5/75

- sign 151.086+/-139.639 χ^2/NDF: 50.6/38

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 667.883+/-0.117 χ^2/NDF:351312.6/20

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

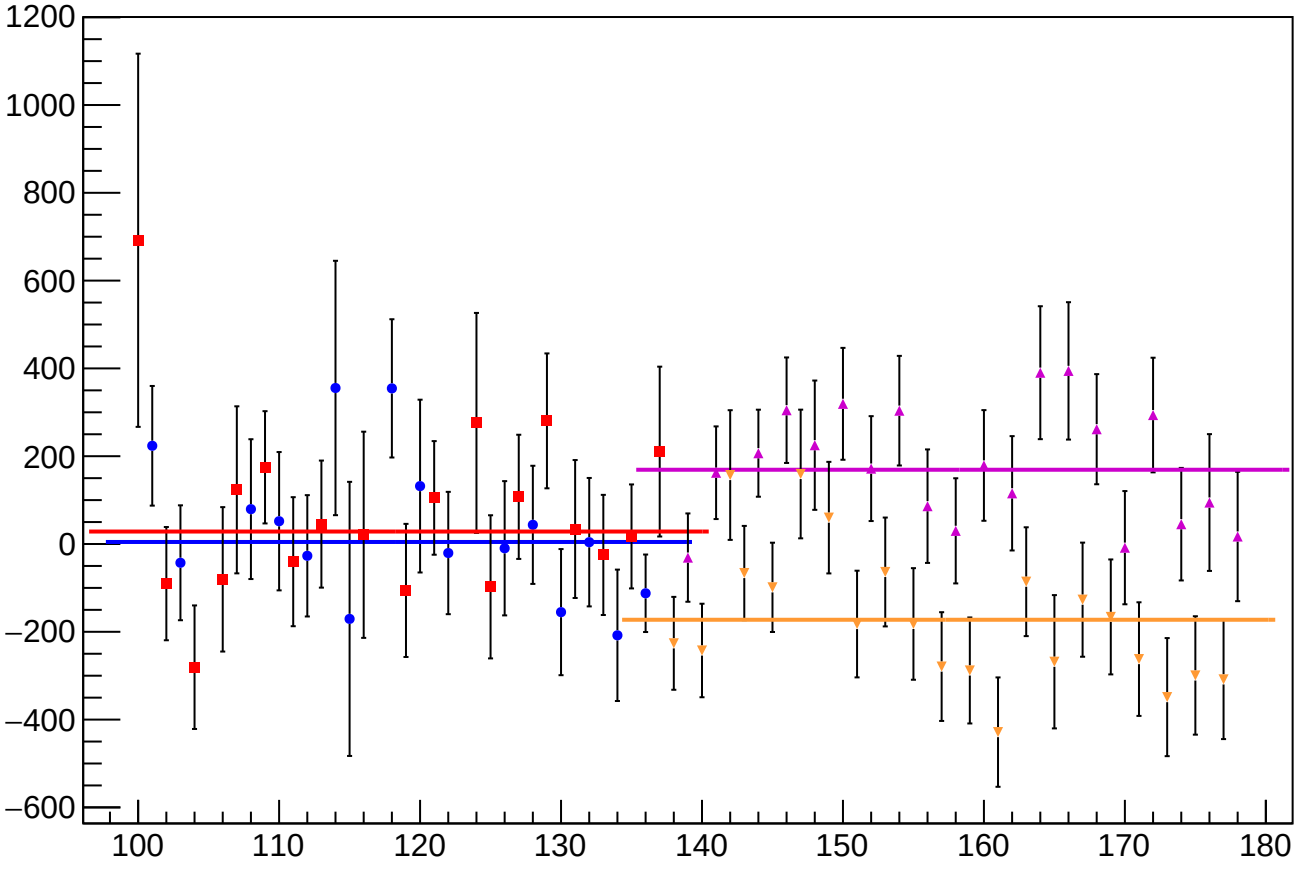
Left In: 665.216+/-0.118 χ^2/NDF:522413.0/19

+ sign 676.727+/-0.099 χ^2/NDF: 1125825.0/36

All: 673.291+/-0.070 χ^2/NDF: 2425352.4/75

- sign 669.894+/-0.099 χ^2/NDF: 1297146.4/38

eigen_dit_asym_sam_15_dd_mean vs Slug



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -172.565+/-27.136 χ^2/NDF:27.4/20

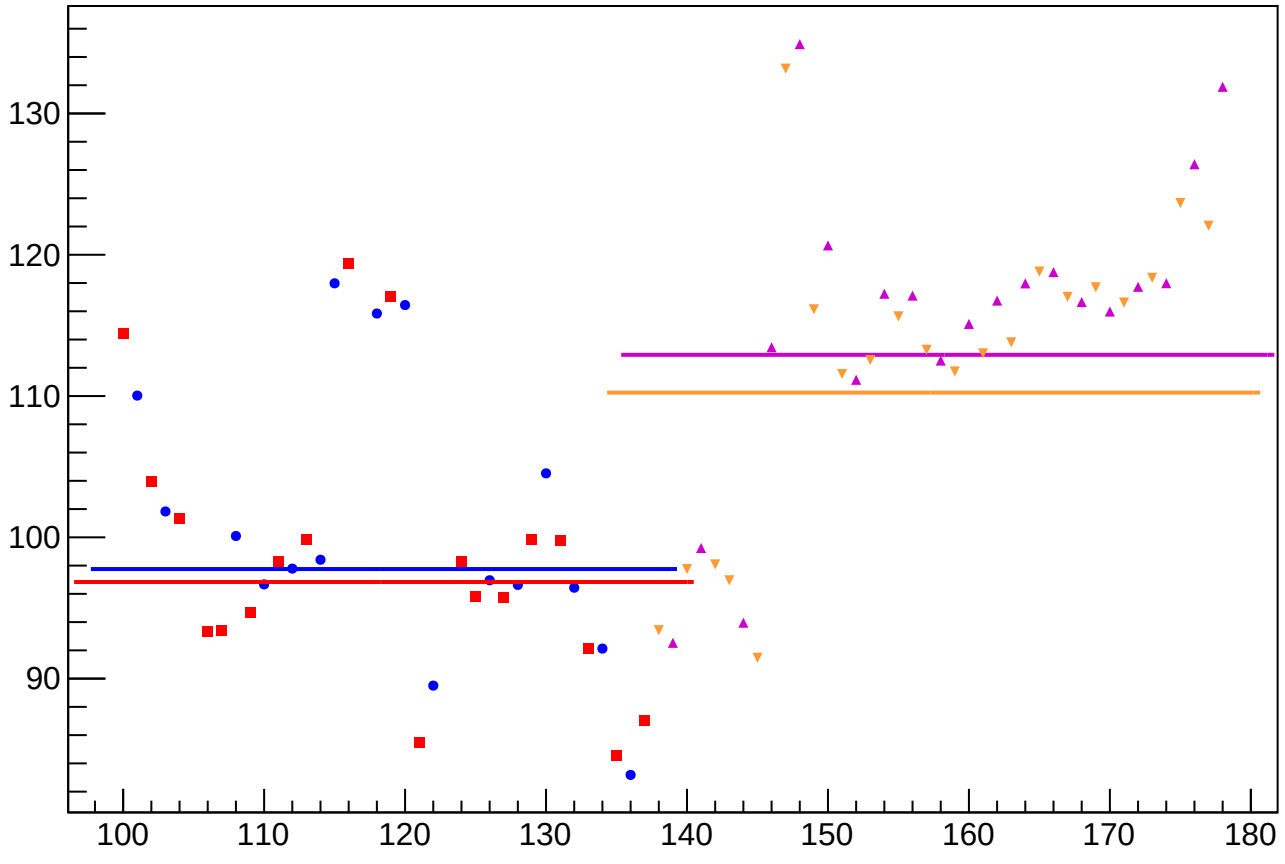
Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: 169.150+/-28.084 χ^2/NDF:19.8/19

+ sign -109.514+/-21.779 χ^2/NDF: 57.9/36

All: 1.476+/-15.483 χ^2/NDF: 157.0/75

- sign 114.907+/-22.017 χ^2/NDF: 46.6/38



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 110.245+/-0.019 χ^2/NDF:317575.0/20

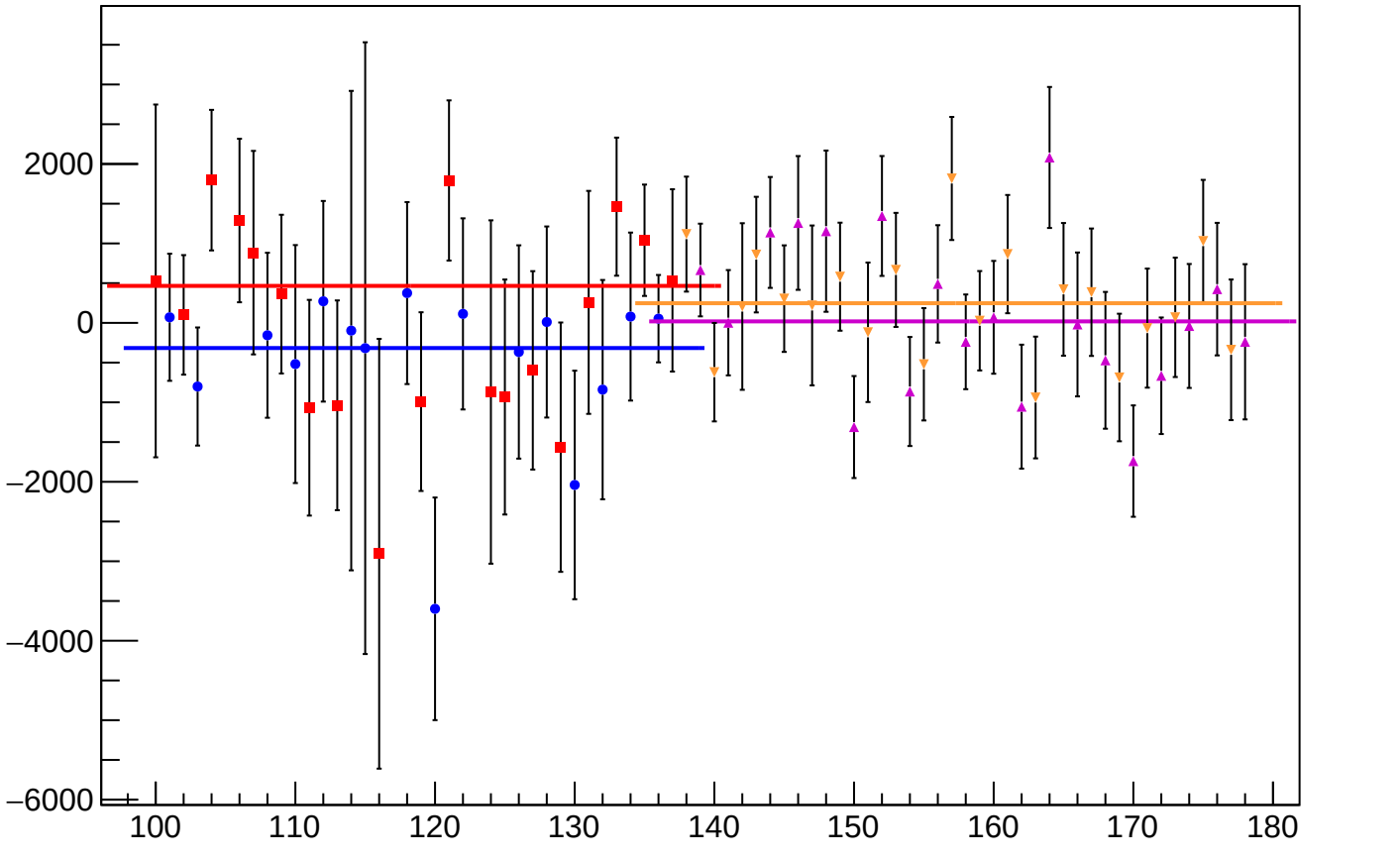
Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 112.918+/-0.020 χ^2/NDF:310083.2/19

+ sign 105.801+/-0.015 χ^2/NDF: 608996.5/36

All: 106.256+/-0.011 χ^2/NDF: 1288684.3/75

- sign 106.721+/-0.016 χ^2/NDF: 677920.1/38



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 247.422+/-165.014 χ^2/NDF:16.5/20

Right Out: 465.576+/-256.645 χ^2/NDF: 16.5/18

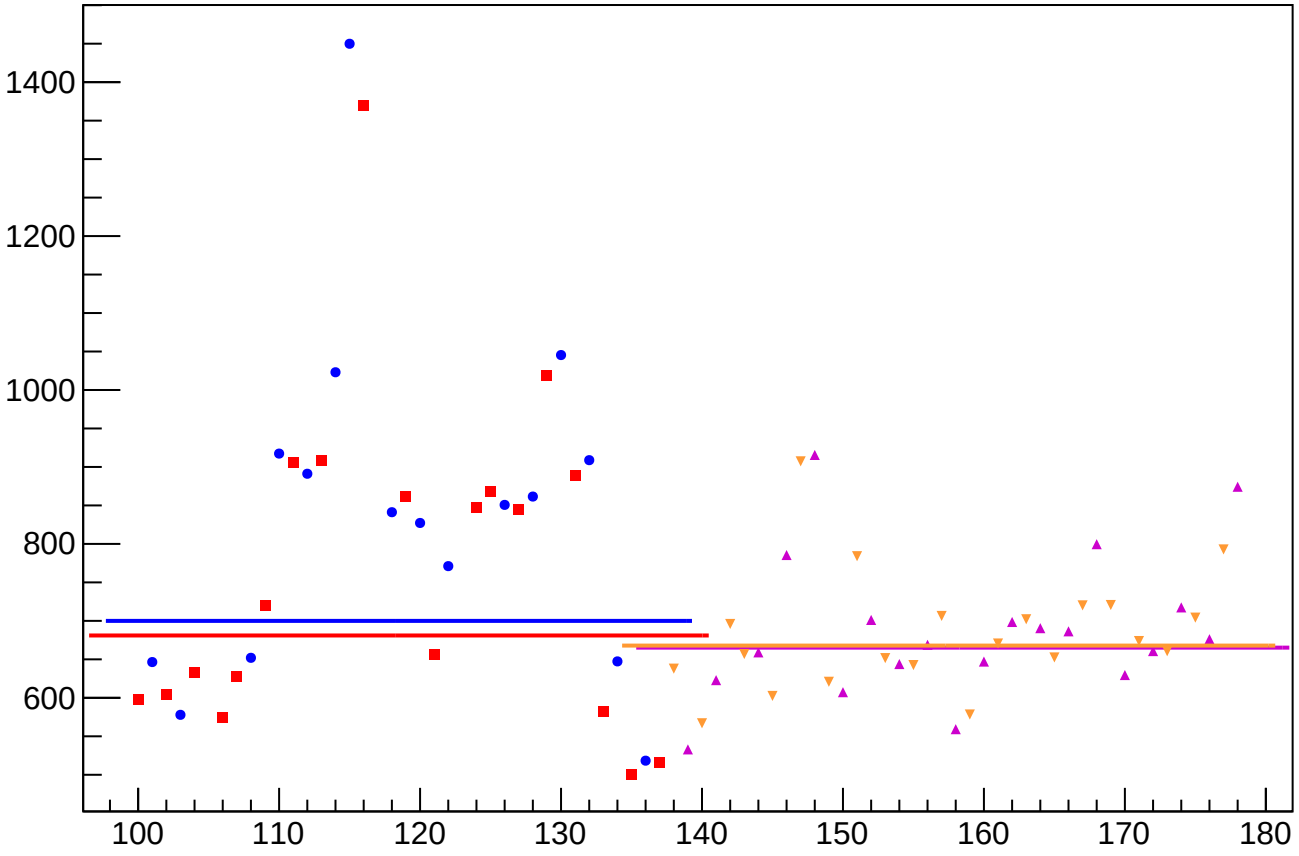
Left In: 18.833+/-166.431 χ^2/NDF:32.0/19

\+ sign 91.975+/-140.444 χ^2/NDF: 28.9/36

All: 121.700+/-99.023 χ^2/NDF: 79.5/75

\- sign 151.087+/-139.639 χ^2/NDF: 50.6/38

asym_sam_15_dd_eigen_dit_correction_rms vs Slug



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 667.883+/-0.117 χ^2/NDF:351311.1/20

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

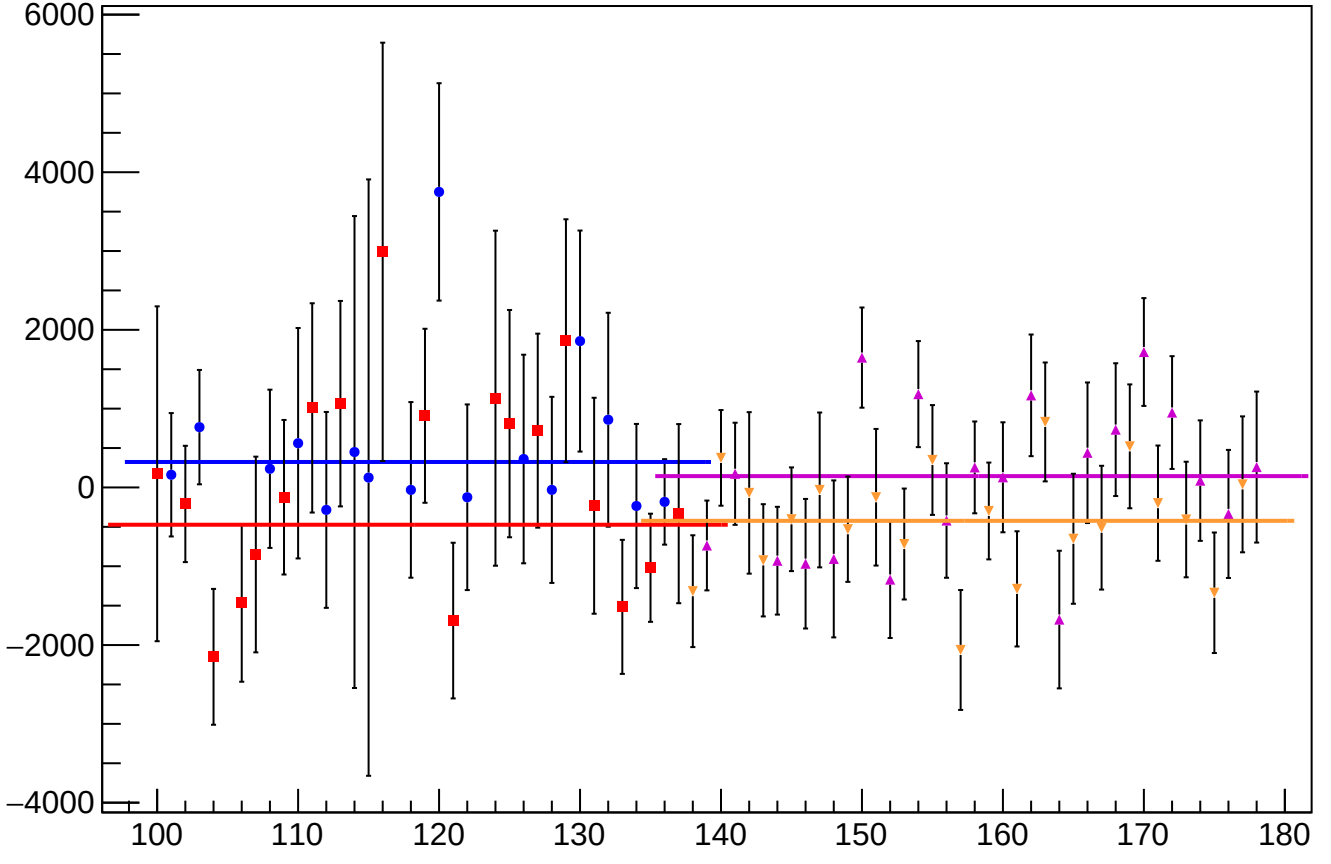
Left In: 665.217+/-0.118 χ^2/NDF:522414.3/19

+ sign 676.727+/-0.099 χ^2/NDF: 1125823.6/36

All: 673.291+/-0.070 χ^2/NDF: 2425354.1/75

- sign 669.894+/-0.099 χ^2/NDF: 1297149.4/38

asym_sam_15_dd_mean vs Slug



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -423.432+/-161.964 χ^2/NDF:17.8/20

Right Out: -473.233+/-251.330 χ^2/NDF: 19.4/18

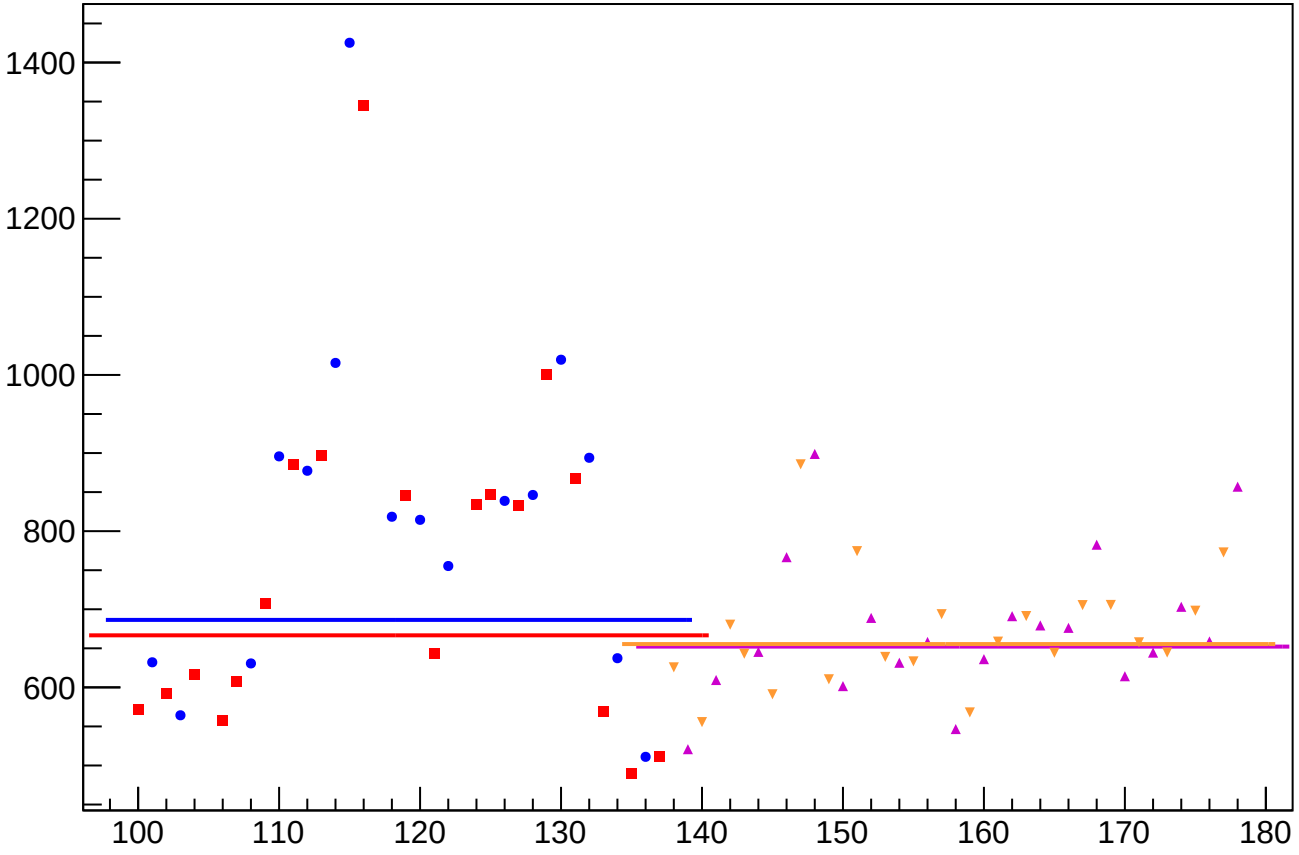
Left In: 143.725+/-163.210 χ^2/NDF:33.2/19

+ sign -217.375+/-137.814 χ^2/NDF: 33.4/36

All: -127.720+/-97.117 χ^2/NDF: 91.1/75

- sign -39.275+/-136.881 χ^2/NDF: 56.8/38

asym_sam_15_dd_rms vs Slug



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 655.454+/-0.115 χ^2/NDF:348639.9/20

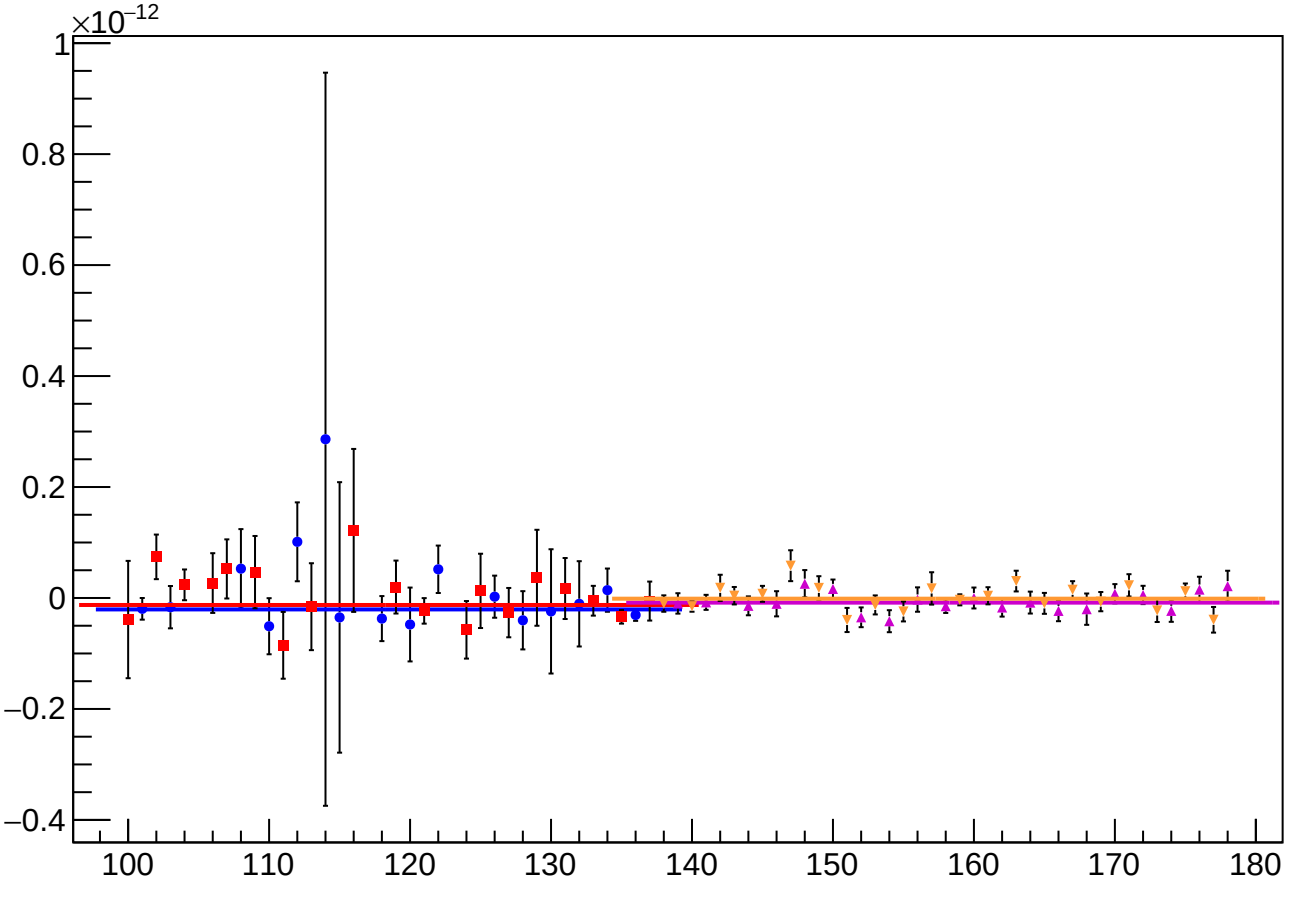
Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 652.210+/-0.115 χ^2/NDF:526074.1/19

\+ sign 663.993+/-0.097 χ^2/NDF: 1118237.4/36

All: 660.215+/-0.069 χ^2/NDF: 2428964.2/75

\- sign 656.489+/-0.097 χ^2/NDF: 1307741.5/38



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.9/20

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

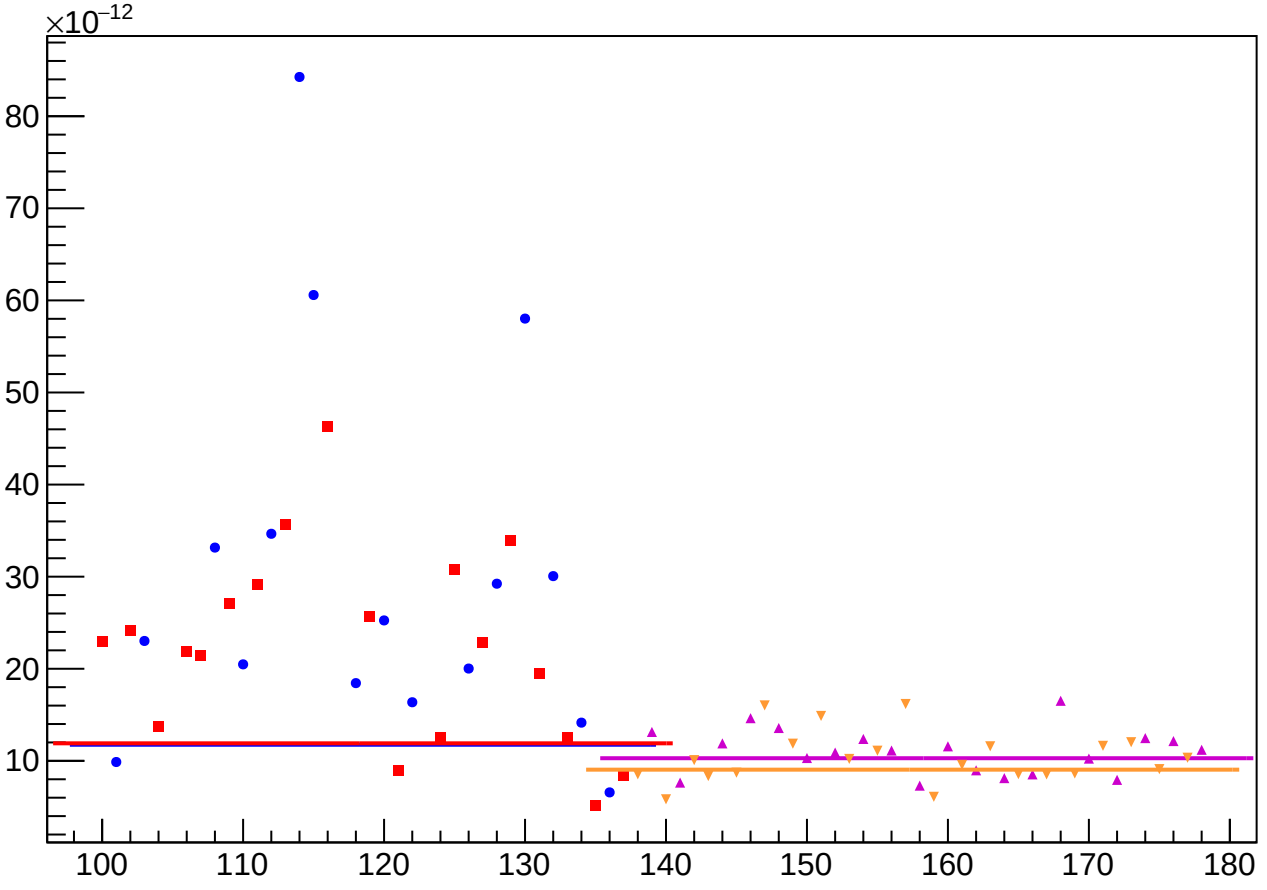
Left In: -0.000+/-0.000 χ^2/NDF:15.2/19

+ sign -0.000+/-0.000 χ^2/NDF: 39.9/36

All: -0.000+/-0.000 χ^2/NDF: 73.3/75

- sign -0.000+/-0.000 χ^2/NDF: 32.4/38

asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2161176.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:979051.6/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2202451.9/18

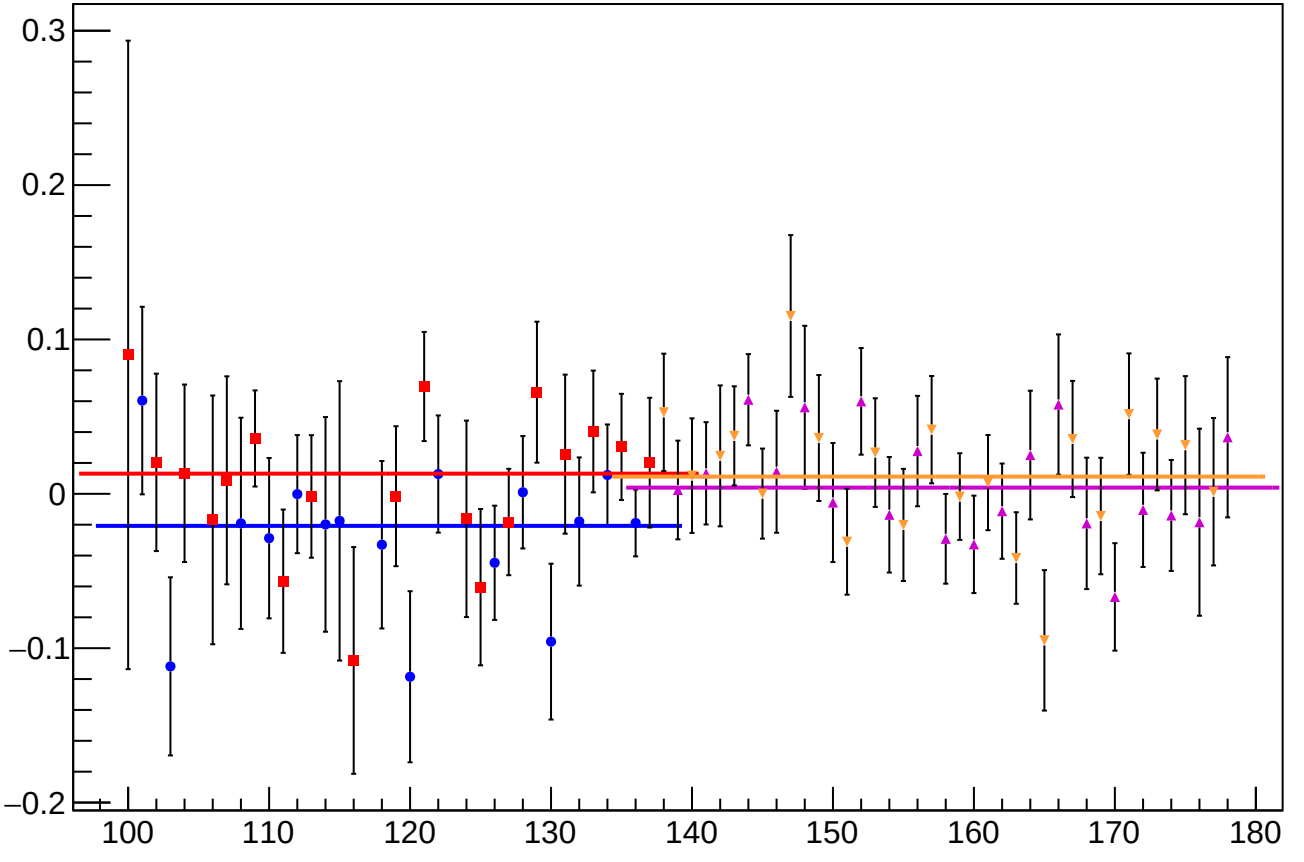
Left In: 0.000+/-0.000 χ^2/NDF:639359.3/19

+ sign 0.000+/-0.000 χ^2/NDF: 3338367.6/36

All: 0.000+/-0.000 χ^2/NDF: 6352173.4/75

- sign 0.000+/-0.000 χ^2/NDF: 2908534.2/38

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: 0.011+/-0.008 χ^2/NDF:21.2/20

Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

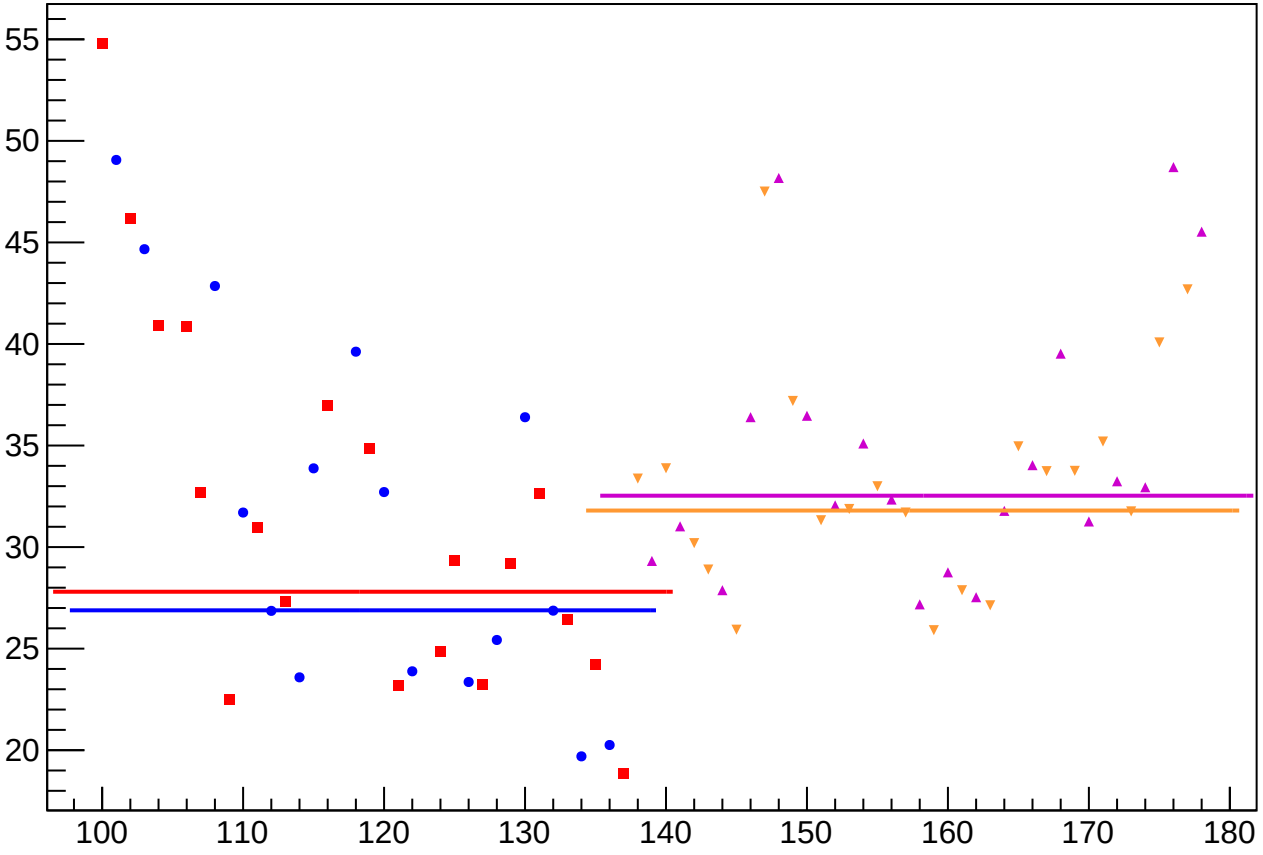
Left In: 0.004+/-0.008 χ^2/NDF:18.1/19

+ sign -0.000+/-0.006 χ^2/NDF: 39.6/36

All: 0.003+/-0.005 χ^2/NDF: 72.9/75

- sign 0.007+/-0.006 χ^2/NDF: 32.5/38

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: 31.799+/-0.006 χ^2/NDF:704273.0/20

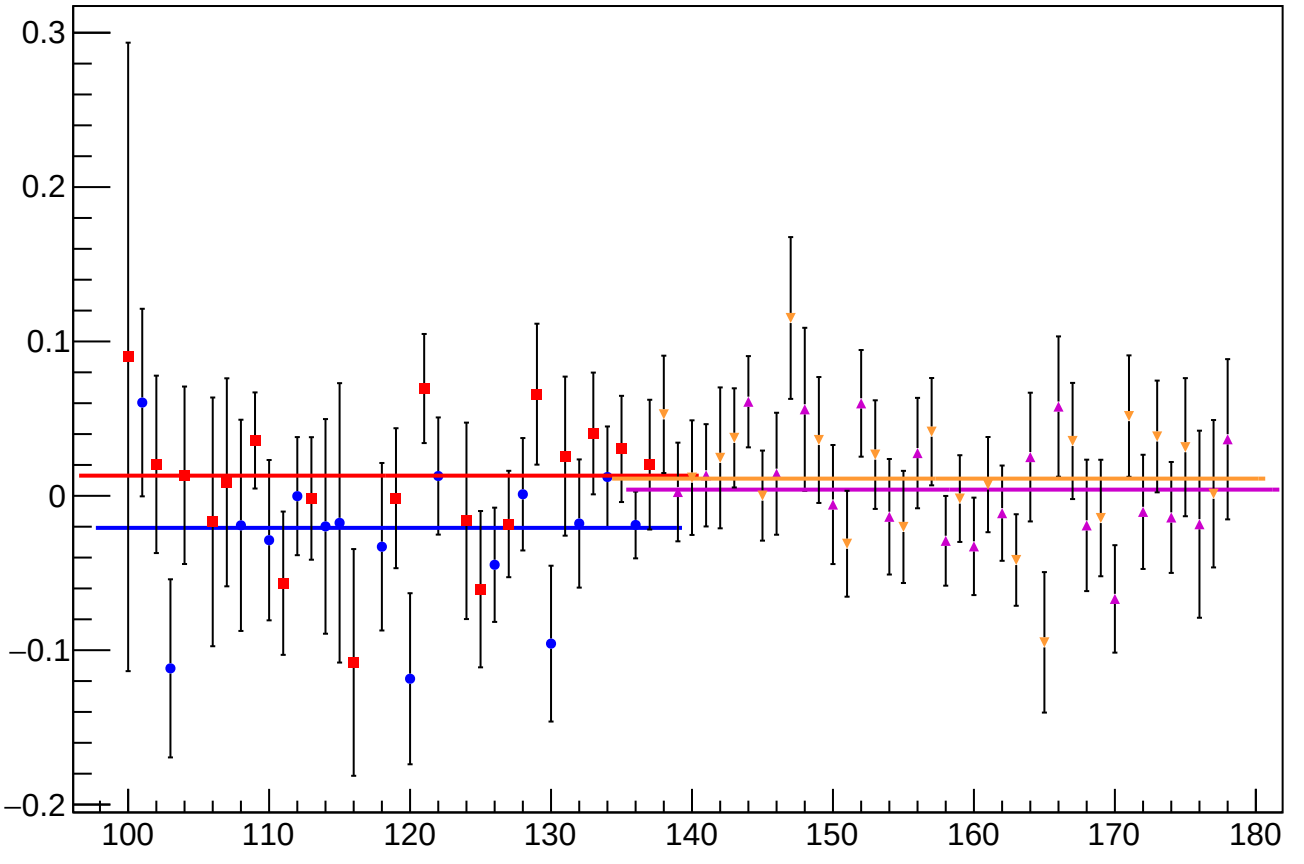
Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 32.530+/-0.006 χ^2/NDF:776644.5/19

+ sign 30.020+/-0.004 χ^2/NDF: 2103680.8/36

All: 30.375+/-0.003 χ^2/NDF: 3906954.8/75

- sign 30.747+/-0.005 χ^2/NDF: 1790361.3/38



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.011+/-0.008 χ^2/NDF:21.2/20

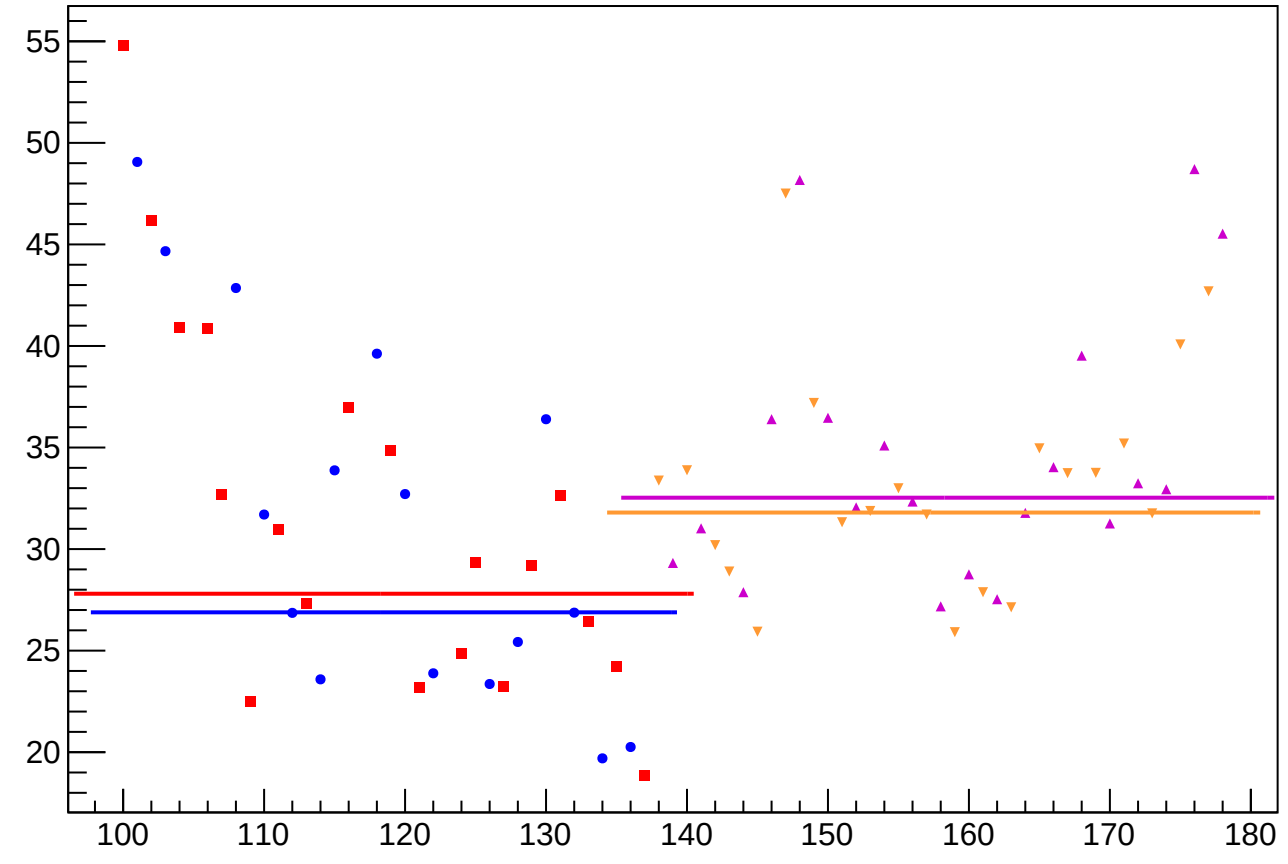
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.004+/-0.008 χ^2/NDF:18.1/19

+ sign -0.000+/-0.006 χ^2/NDF: 39.6/36

All: 0.003+/-0.005 χ^2/NDF: 72.9/75

- sign 0.007+/-0.006 χ^2/NDF: 32.5/38



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 31.799+/-0.006 χ^2/NDF:704273.0/20

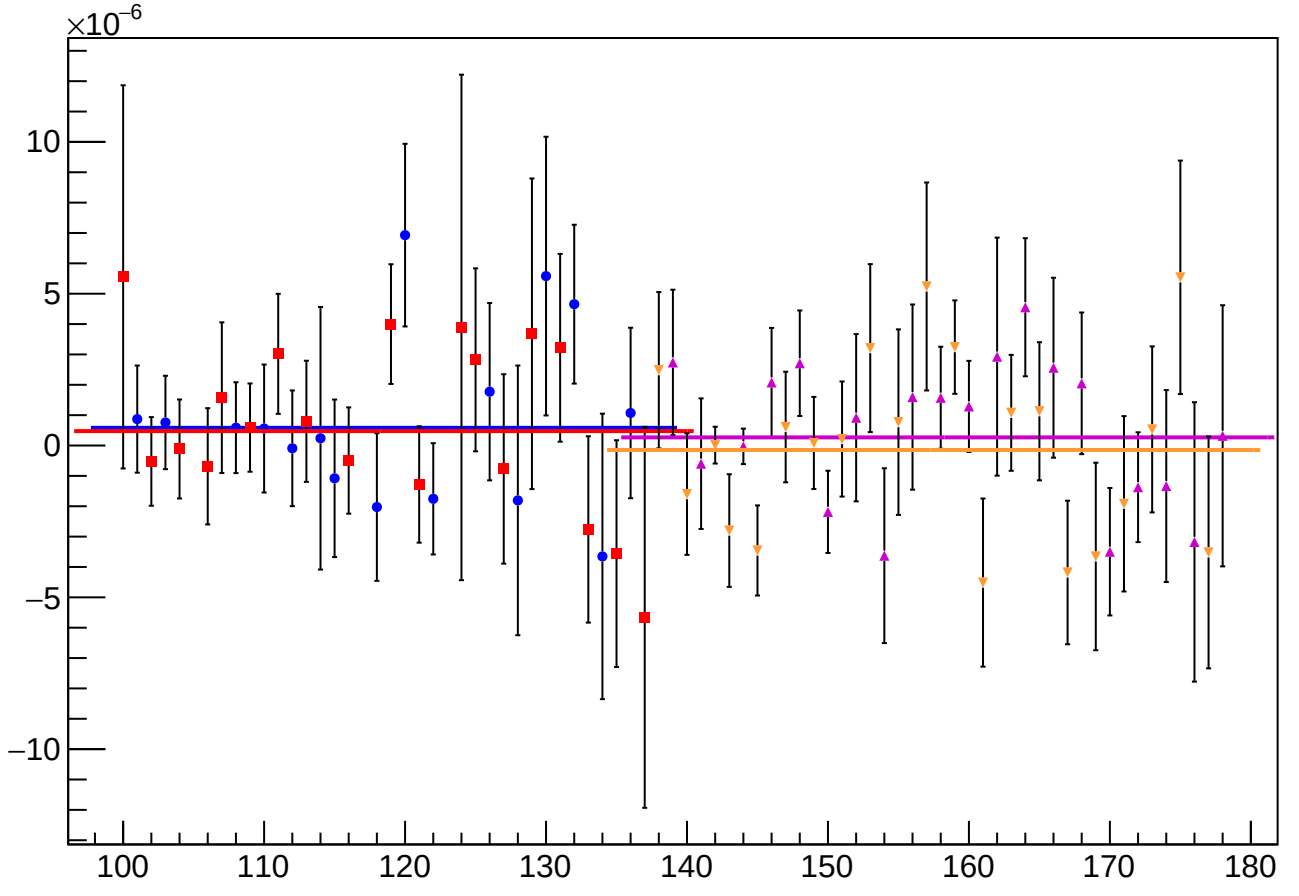
Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 32.530+/-0.006 χ^2/NDF:776644.5/19

+ sign 30.020+/-0.004 χ^2/NDF: 2103680.8/36

All: 30.375+/-0.003 χ^2/NDF: 3906954.8/75

- sign 30.747+/-0.005 χ^2/NDF: 1790361.3/38



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.6/20

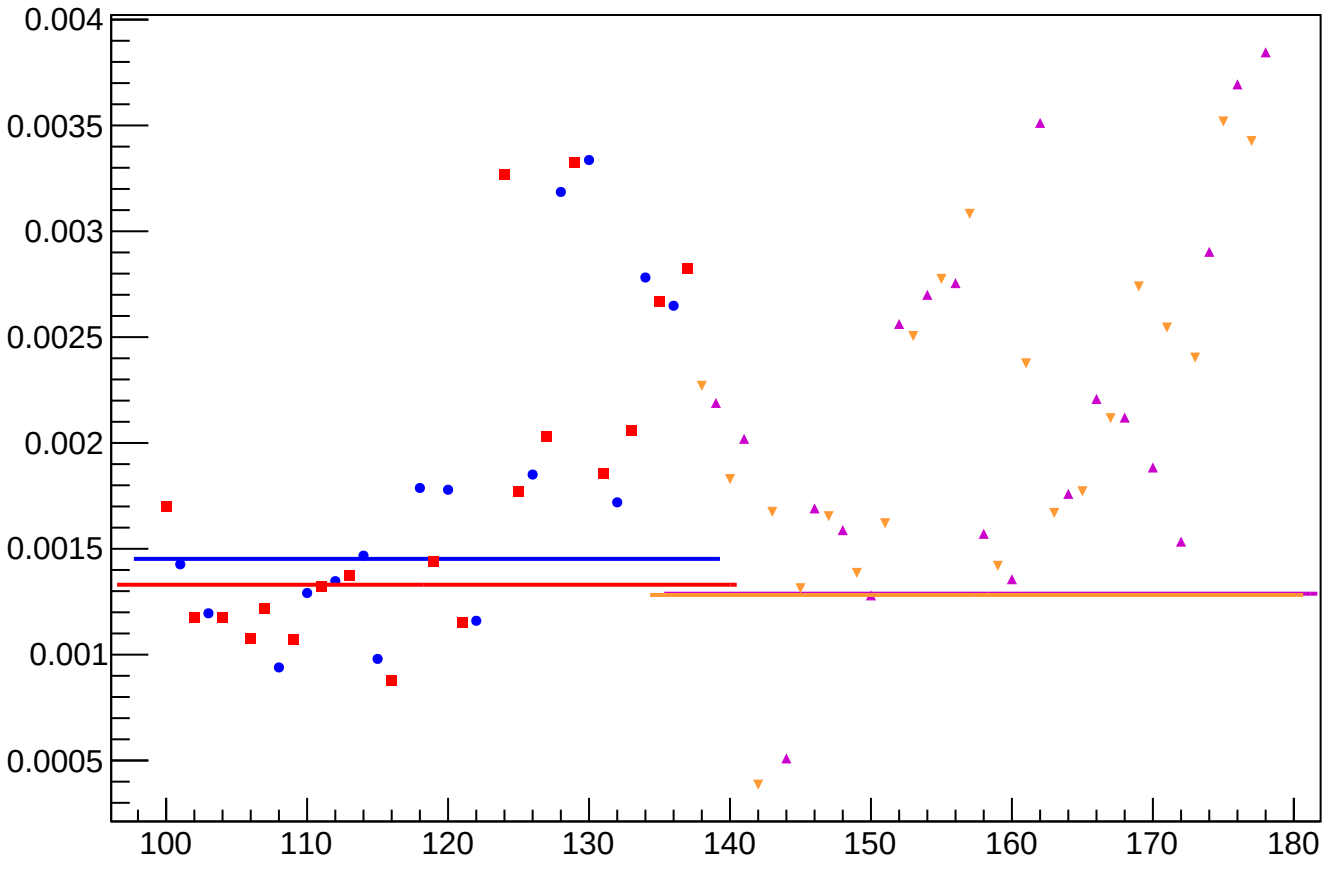
Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/18

Left In: 0.000+/-0.000 χ^2/NDF:21.0/19

+ sign 0.000+/-0.000 χ^2/NDF: 42.4/36

All: 0.000+/-0.000 χ^2/NDF: 77.0/75

- sign 0.000+/-0.000 χ^2/NDF: 34.3/38



Right In: 0.001+/-0.000 χ^2/NDF: 1710487.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:9717300.7/20

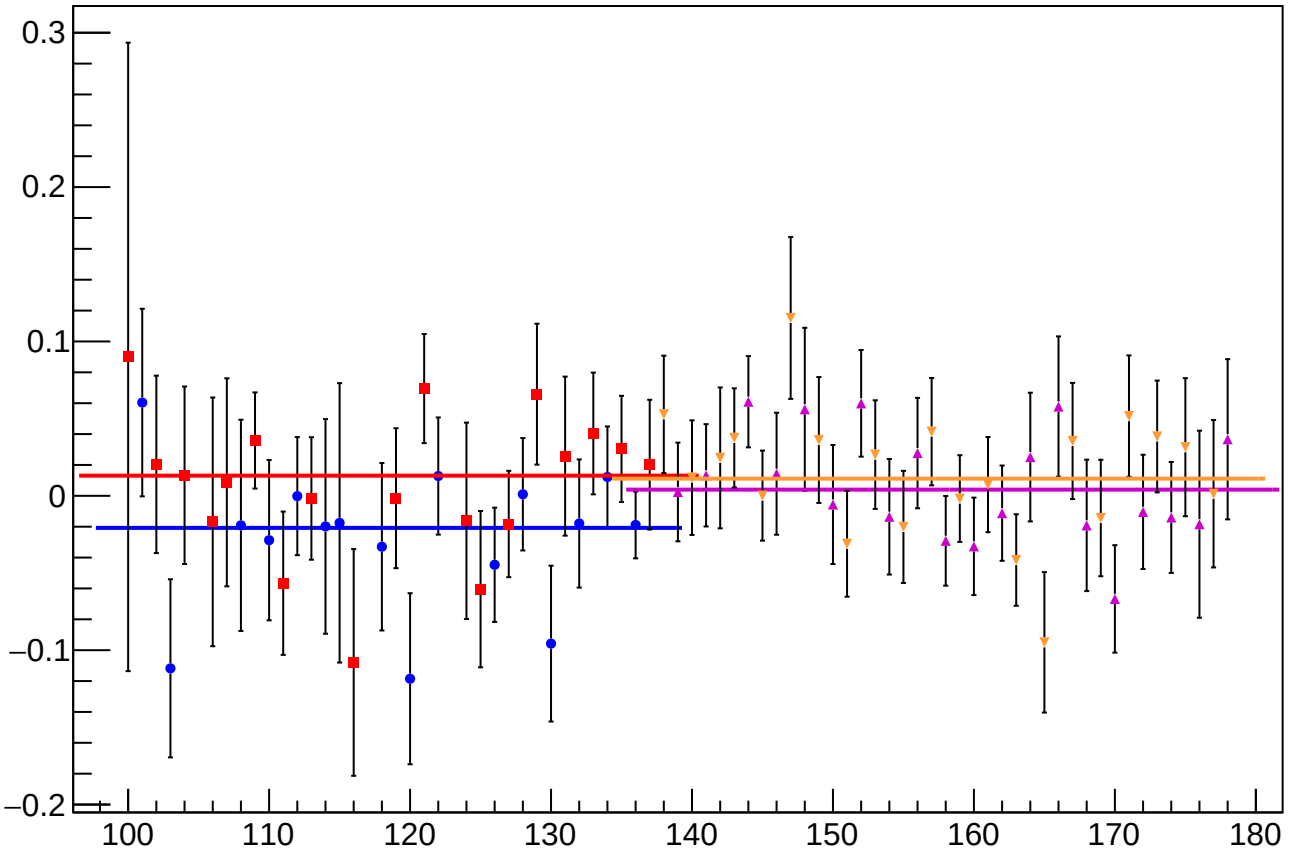
Right Out: 0.001+/-0.000 χ^2/NDF: 1402821.5/18

Left In: 0.001+/-0.000 χ^2/NDF:8809256.7/19

+ sign 0.001+/-0.000 χ^2/NDF: 11549577.0/36

All: 0.001+/-0.000 χ^2/NDF: 21780146.0/75

- sign 0.001+/-0.000 χ^2/NDF: 10220765.8/38



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.011+/-0.008 χ^2/NDF:21.2/20

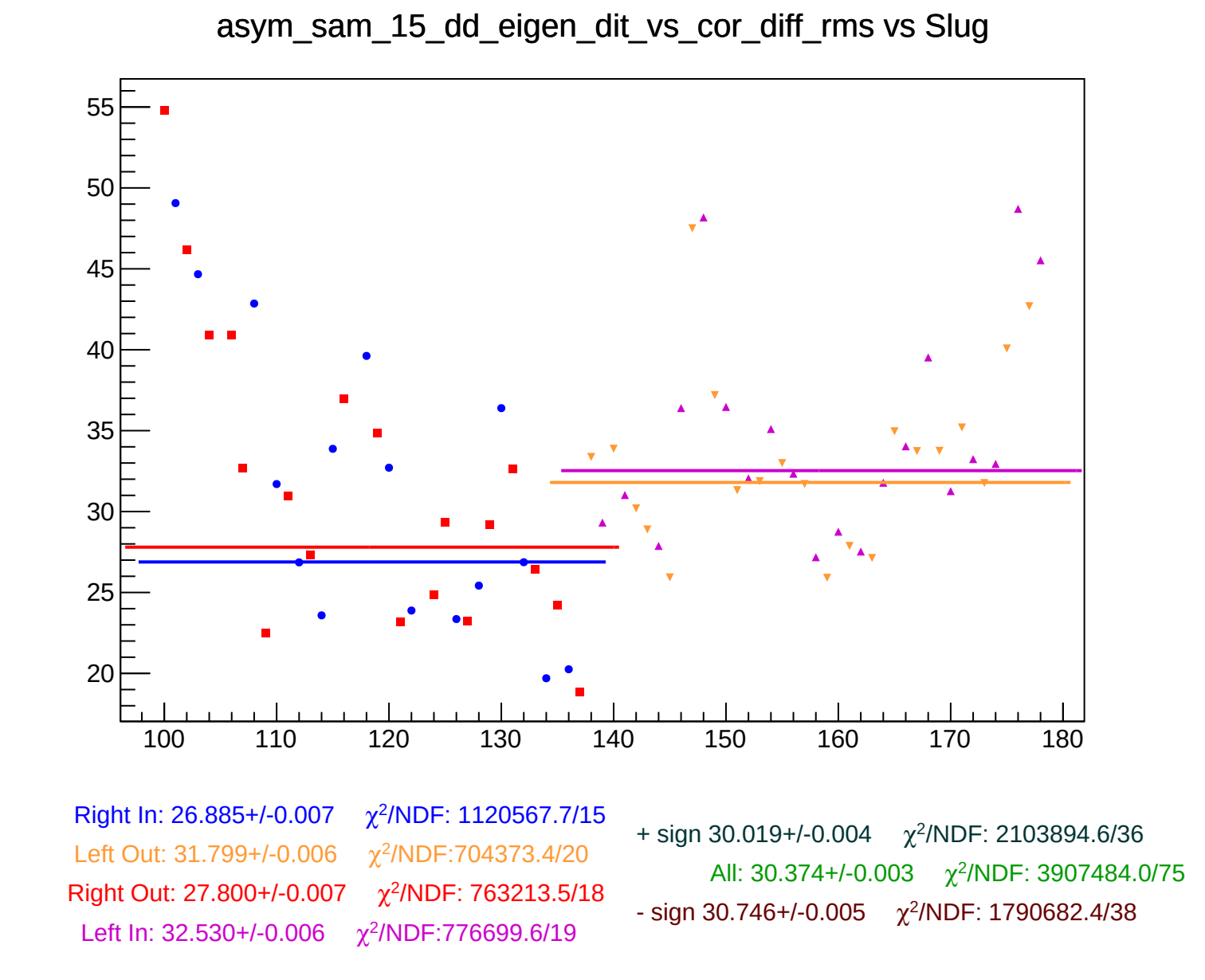
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.004+/-0.008 χ^2/NDF:18.1/19

+ sign -0.000+/-0.006 χ^2/NDF: 39.6/36

All: 0.003+/-0.005 χ^2/NDF: 72.9/75

- sign 0.007+/-0.006 χ^2/NDF: 32.5/38


asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug
55
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25
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100
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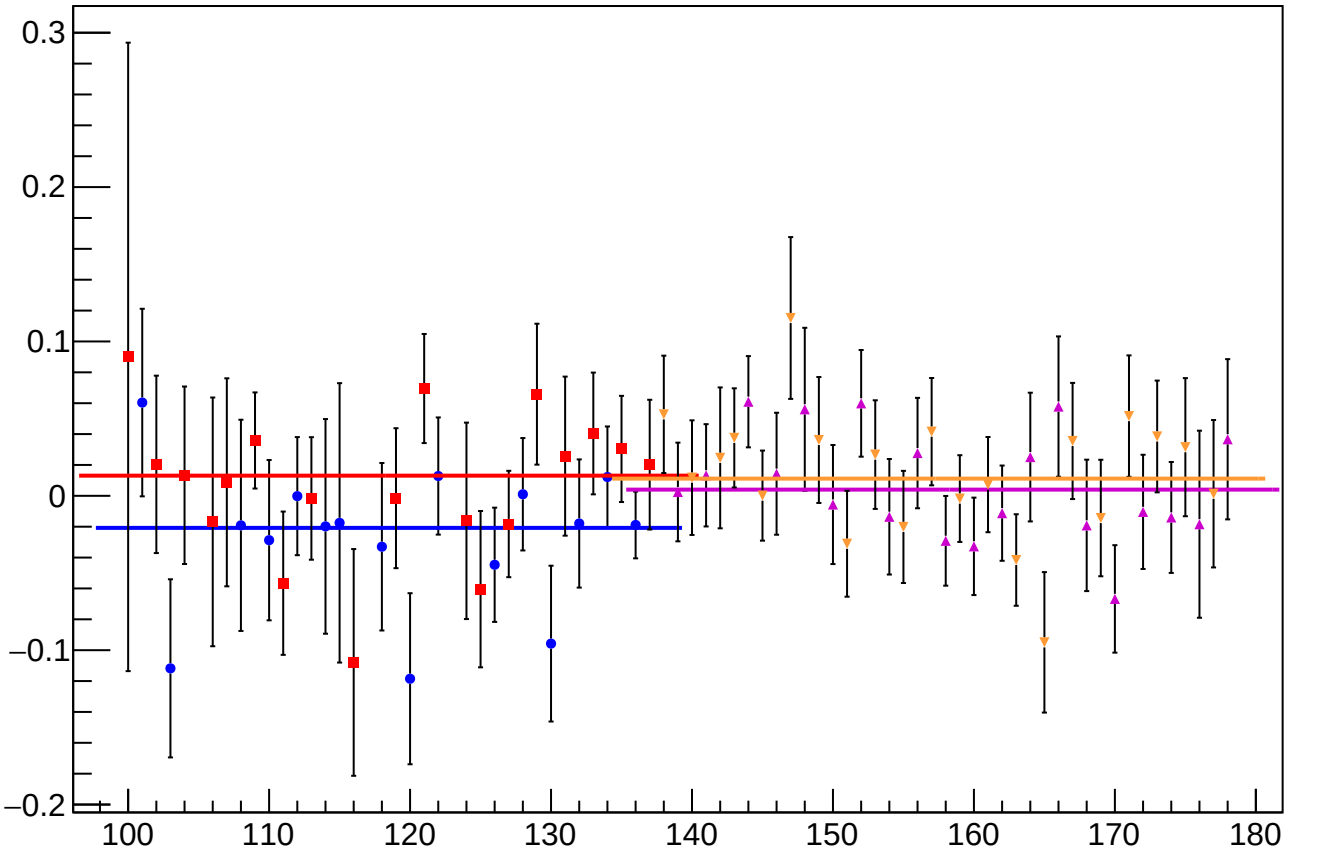
120
130
140
150
160
170
180
Right In: 26.885+/-0.007 χ²/NDF: 1120567.7/15
Left Out: 31.799+/-0.006 χ²/NDF:704373.4/20
Right Out: 27.800+/-0.007 χ²/NDF: 763213.5/18
Left In: 32.530+/-0.006 χ²/NDF:776699.6/19
+ sign 30.019+/-0.004 χ²/NDF: 2103894.6/36
All: 30.374+/-0.003 χ²/NDF: 3907484.0/75
- sign 30.746+/-0.005 χ²/NDF: 1790682.4/38



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.011+/-0.008 χ^2/NDF:21.2/20

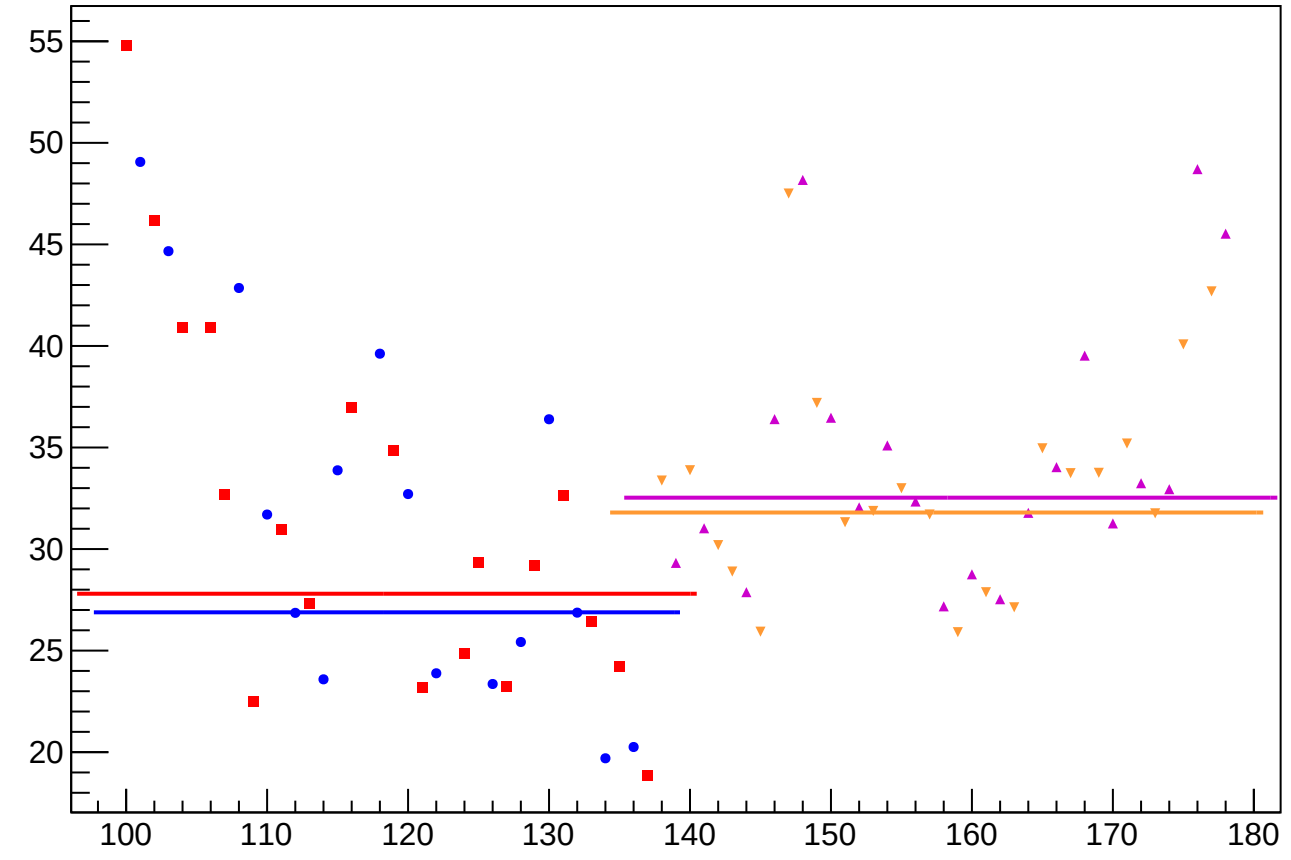
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.004+/-0.008 χ^2/NDF:18.1/19

+ sign -0.000+/-0.006 χ^2/NDF: 39.6/36

All: 0.003+/-0.005 χ^2/NDF: 72.9/75

- sign 0.007+/-0.006 χ^2/NDF: 32.5/38



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 31.799+/-0.006 χ^2/NDF:704373.4/20

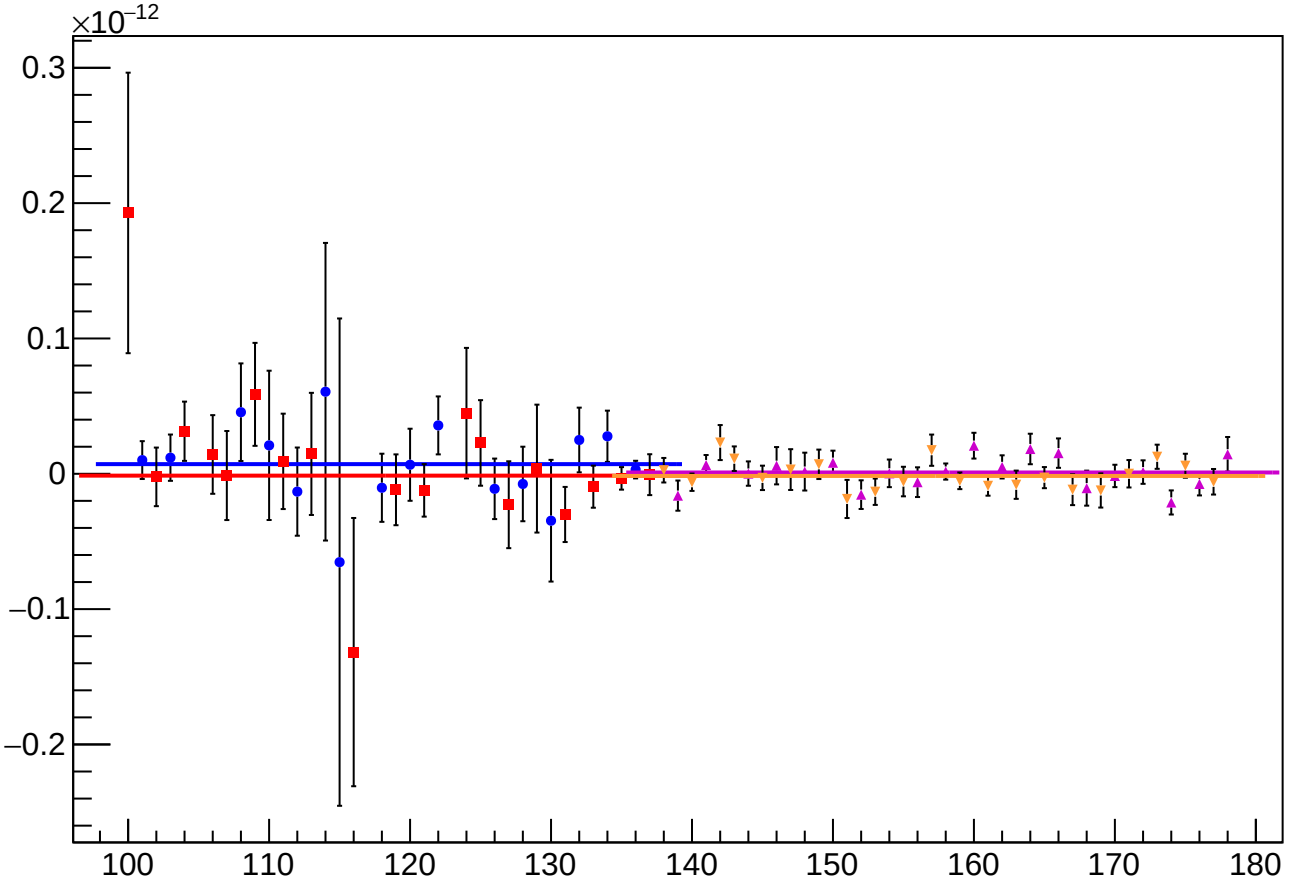
Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 32.530+/-0.006 χ^2/NDF:776699.6/19

+ sign 30.019+/-0.004 χ^2/NDF: 2103894.6/36

All: 30.374+/-0.003 χ^2/NDF: 3907484.0/75

- sign 30.746+/-0.005 χ^2/NDF: 1790682.4/38



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.6/20

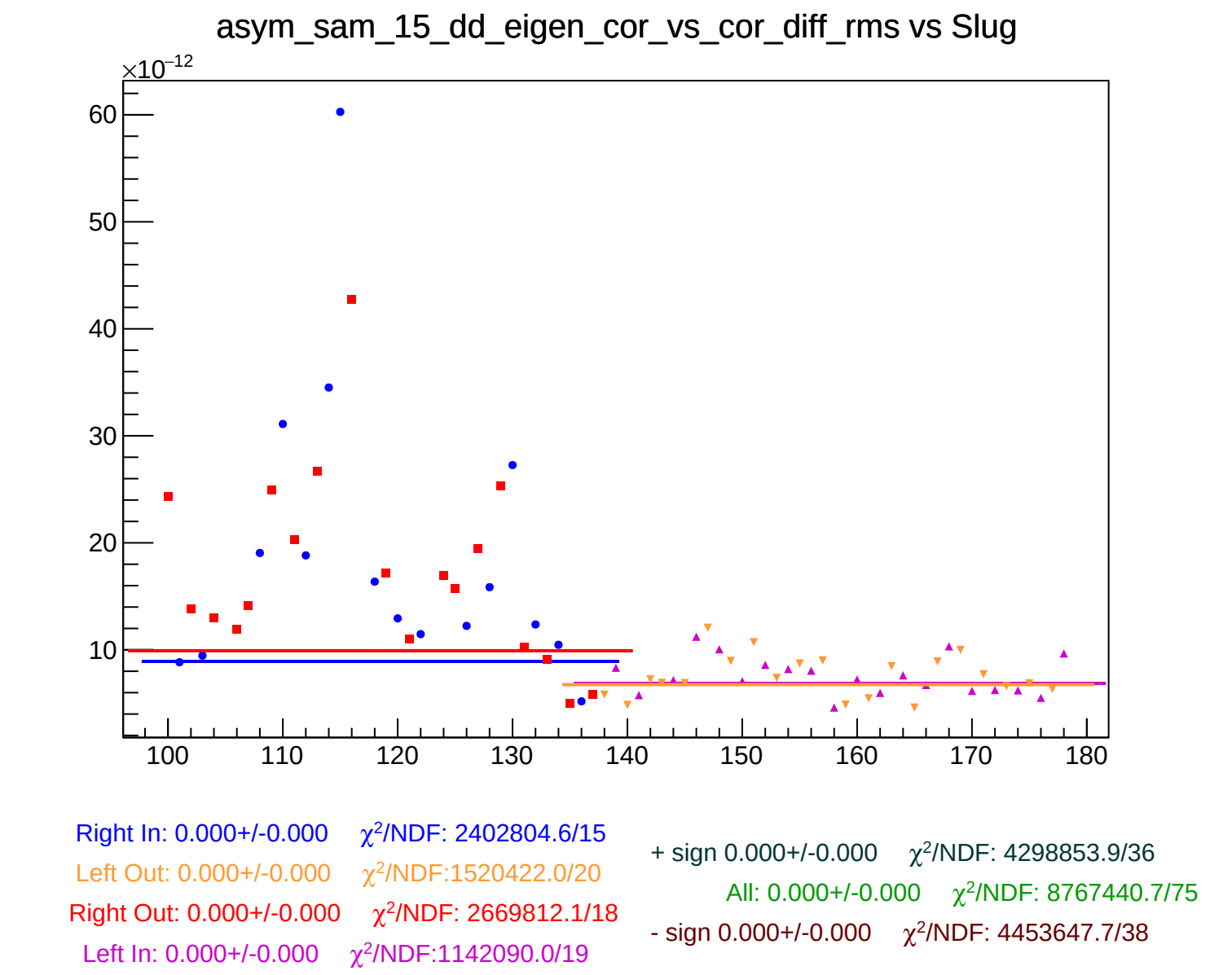
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:24.4/19

+ sign -0.000+/-0.000 χ^2/NDF: 31.0/36

All: 0.000+/-0.000 χ^2/NDF: 70.9/75

- sign 0.000+/-0.000 χ^2/NDF: 39.8/38


asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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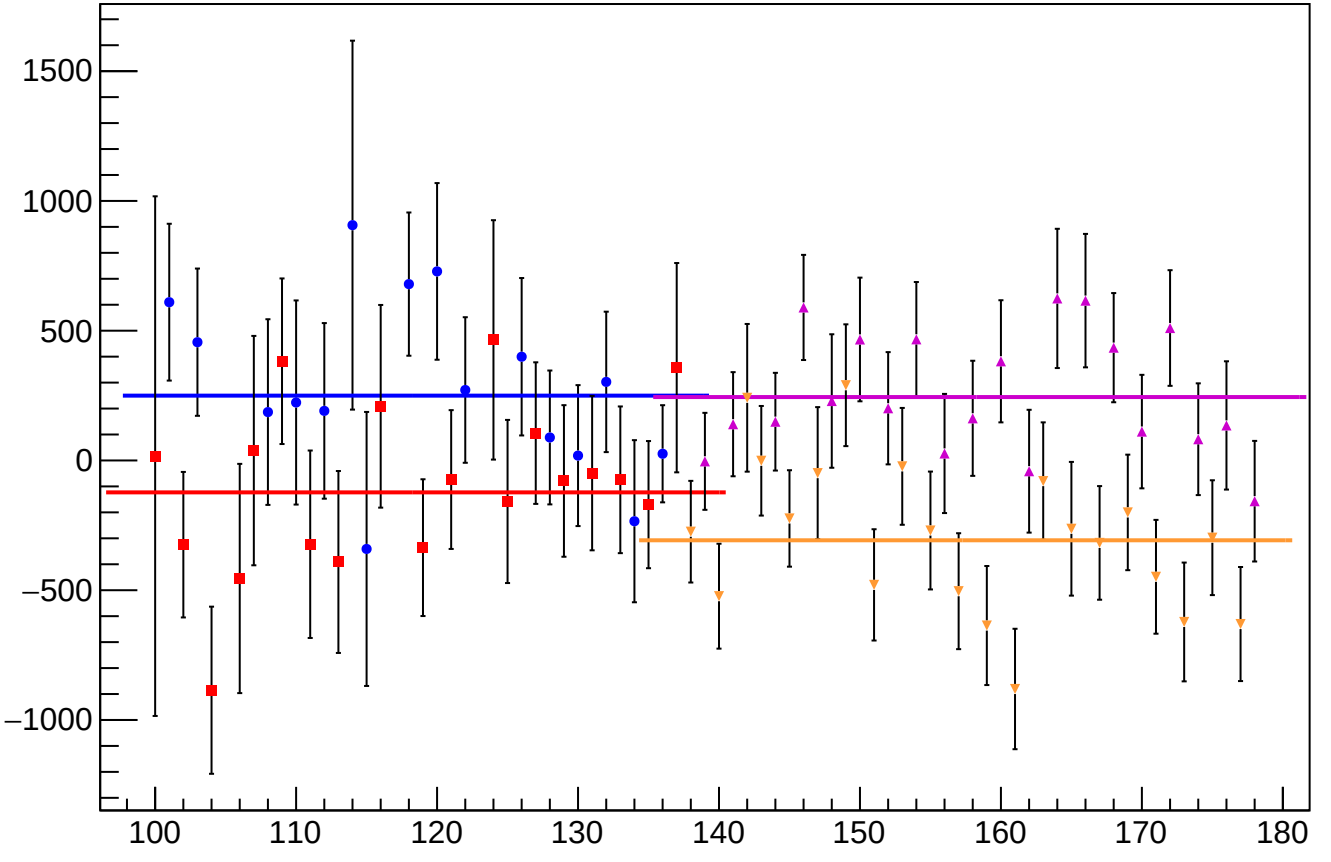
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2402804.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1520422.0/20
Right Out: 0.000+/-0.000 χ²/NDF: 2669812.1/18
Left In: 0.000+/-0.000 χ²/NDF:1142090.0/19
+ sign 0.000+/-0.000 χ²/NDF: 4298853.9/36
All: 0.000+/-0.000 χ²/NDF: 8767440.7/75
- sign 0.000+/-0.000 χ²/NDF: 4453647.7/38

reg_asym_sam_26_dd_mean vs Slug



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -307.614+/-48.616 χ^2/NDF:31.6/20

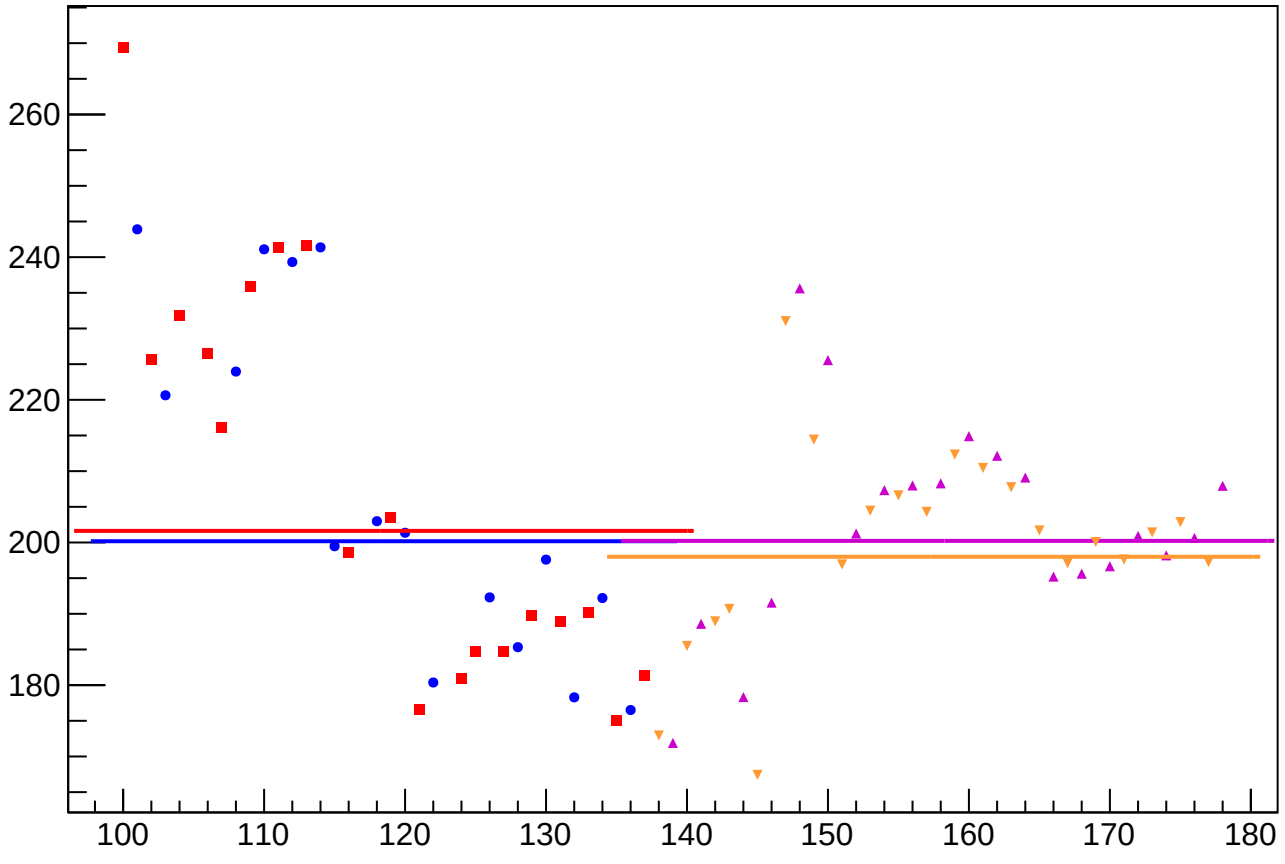
Right Out: -122.993+/-74.370 χ^2/NDF: 15.6/18

Left In: 244.306+/-49.687 χ^2/NDF:20.4/19

+ sign -142.323+/-40.776 χ^2/NDF: 84.4/36

All: -7.478+/-29.021 χ^2/NDF: 159.4/75

- sign 130.954+/-41.314 χ^2/NDF: 52.8/38



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 197.997+/-0.034 χ^2/NDF:167987.8/20

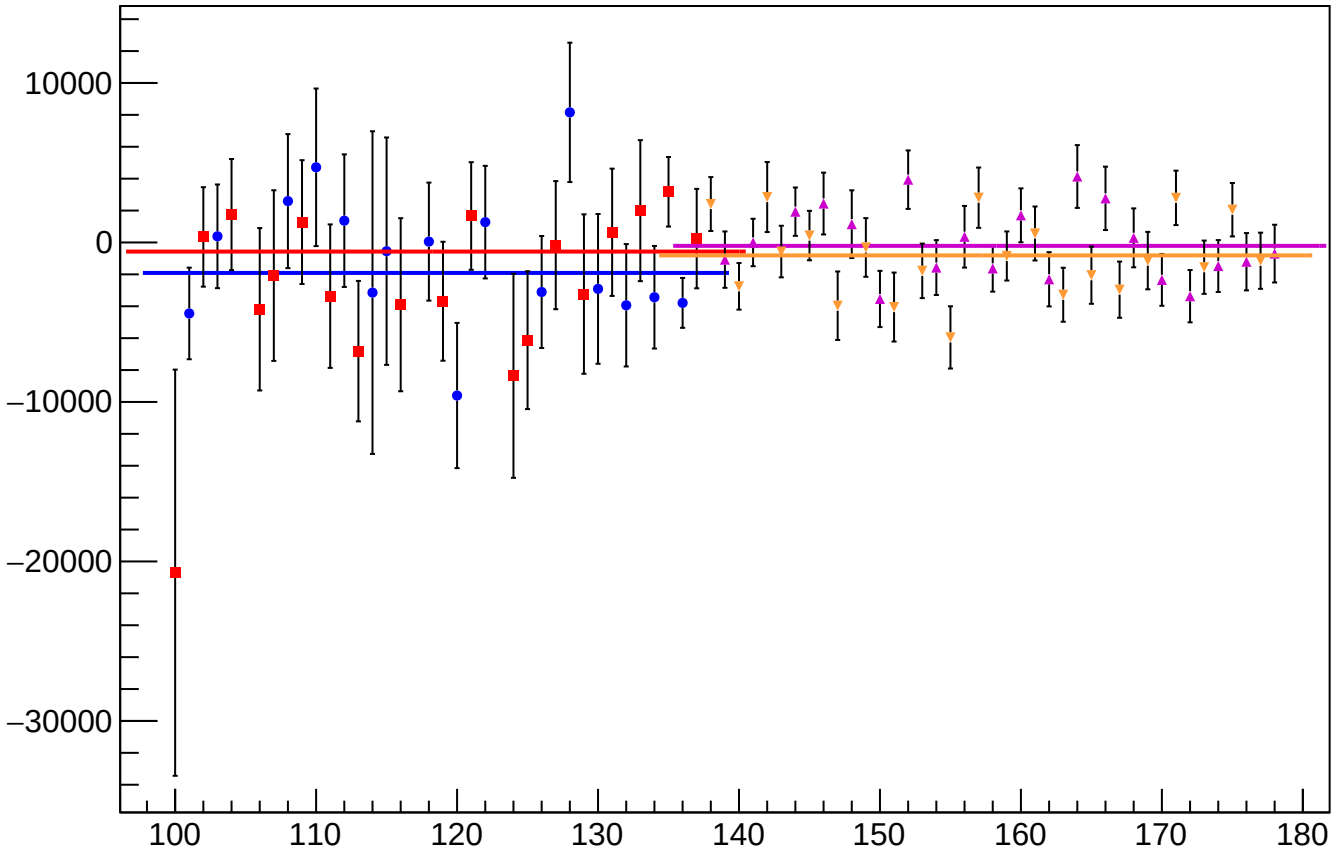
Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 200.227+/-0.035 χ^2/NDF:170664.6/19

+ sign 198.643+/-0.029 χ^2/NDF: 350181.9/36

All: 199.638+/-0.021 χ^2/NDF: 720994.2/75

- sign 200.659+/-0.029 χ^2/NDF: 368400.6/38



Right In: -1910.348+/-859.088 χ^2/NDF: 16.3/15

Left Out: -811.551+/-381.335 χ^2/NDF:36.6/20

Right Out: -570.946+/-900.451 χ^2/NDF: 14.6/18

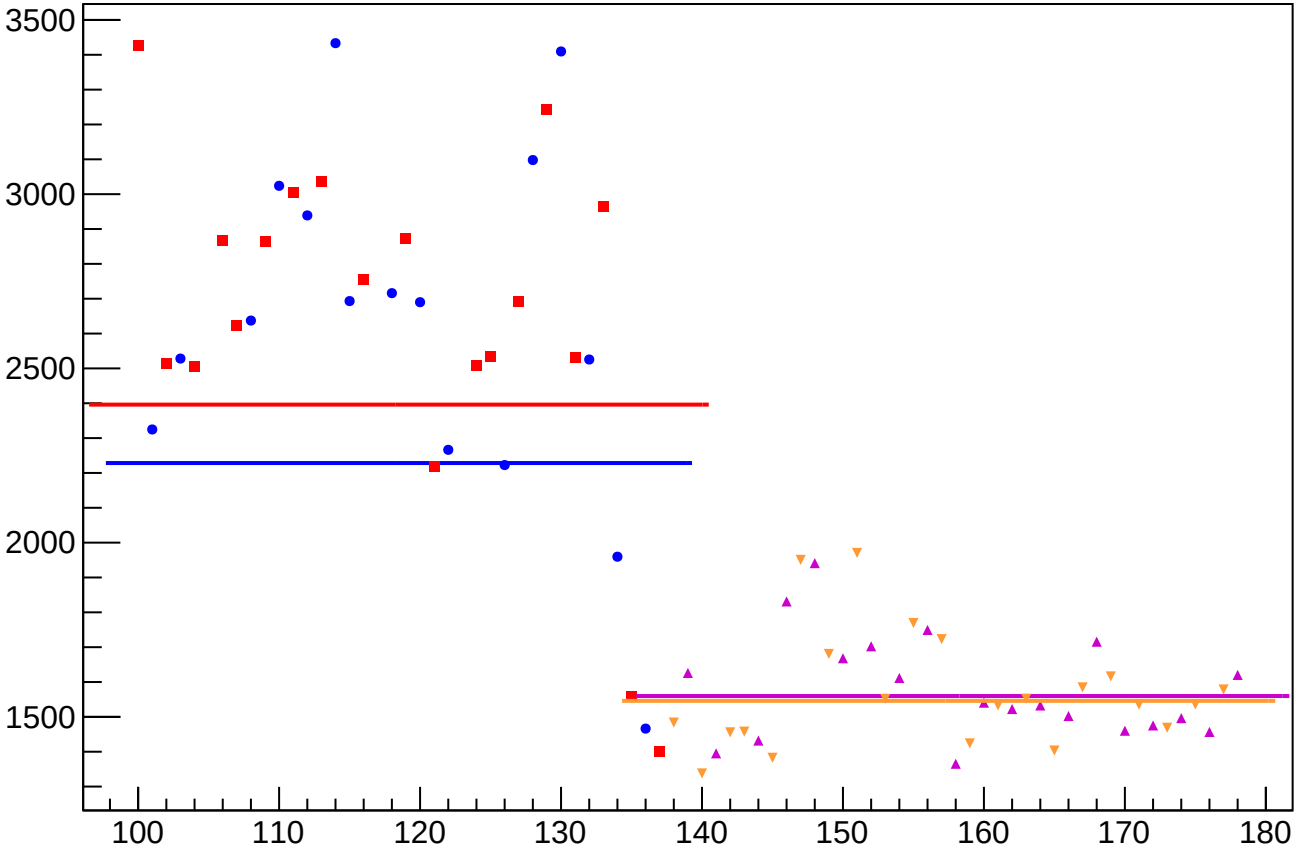
Left In: -213.098+/-388.144 χ^2/NDF:31.3/19

+ sign -992.415+/-348.541 χ^2/NDF: 54.3/36

All: -638.894+/-249.201 χ^2/NDF: 102.5/75

- sign -269.171+/-356.439 χ^2/NDF: 46.1/38

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1545.984+/-0.270 χ^2/NDF:312072.3/20

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

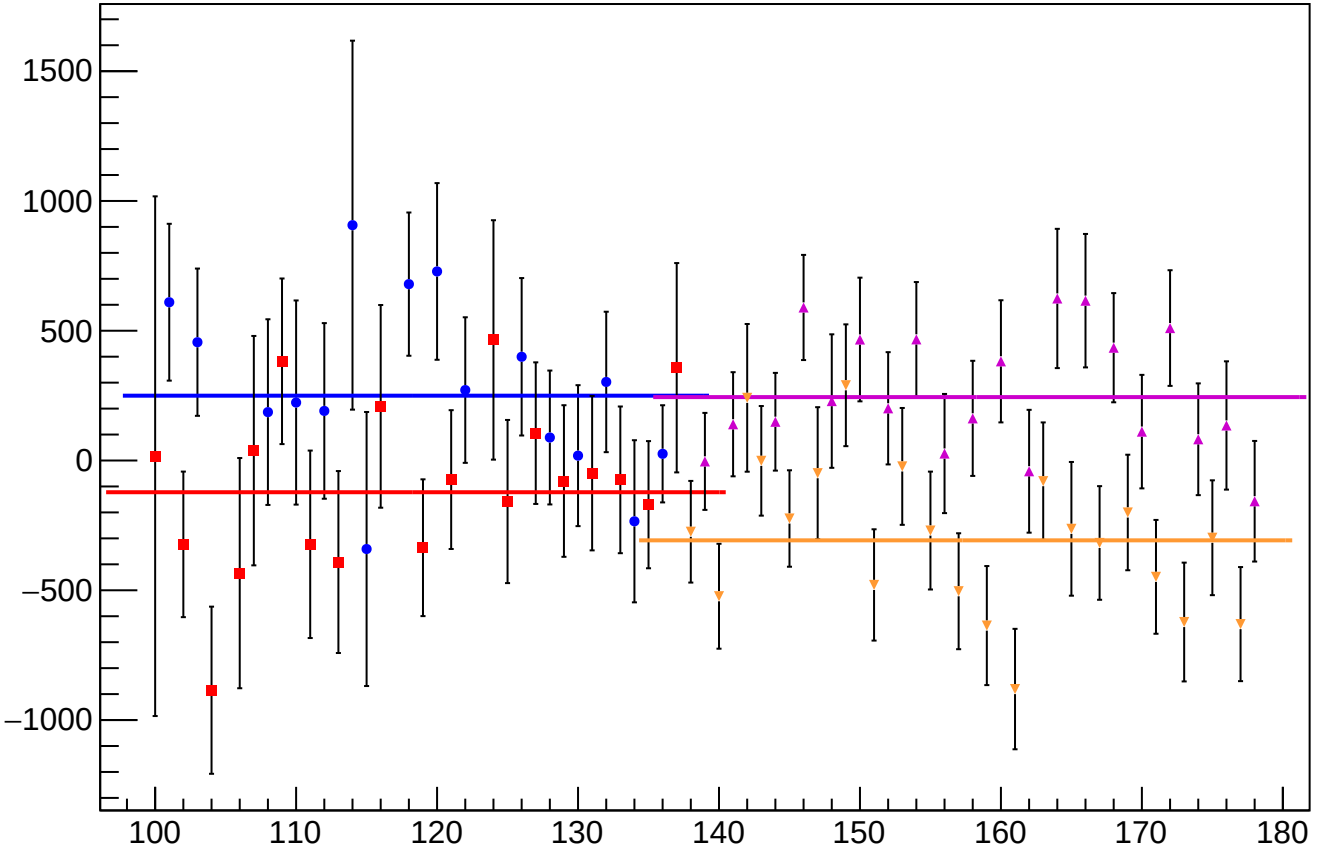
Left In: 1559.808+/-0.274 χ^2/NDF:263915.1/19

+ sign 1658.316+/-0.246 χ^2/NDF: 2314081.6/36

All: 1674.217+/-0.176 χ^2/NDF: 4840710.4/75

- sign 1690.846+/-0.252 χ^2/NDF: 2518113.1/38

cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -307.612+/-48.616 χ^2/NDF:31.6/20

Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

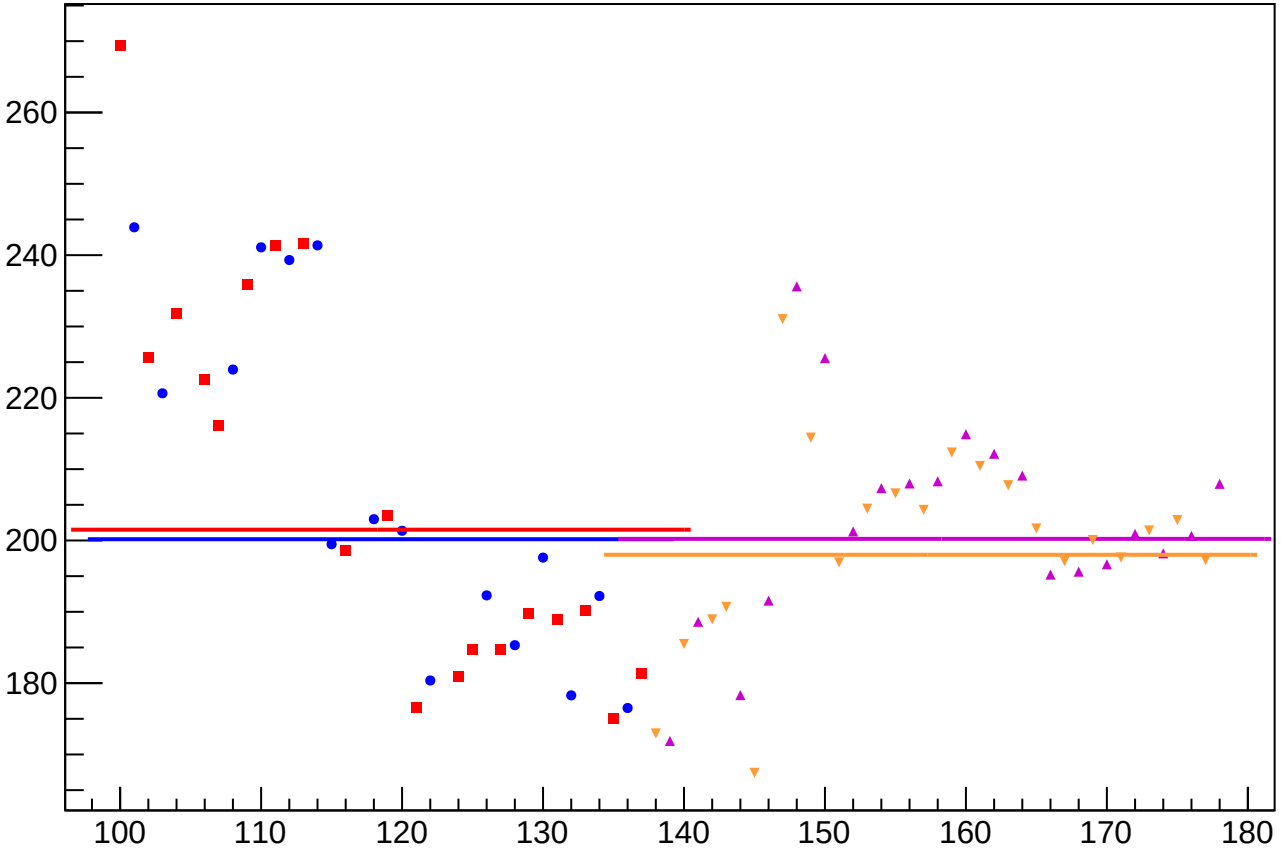
Left In: 244.312+/-49.687 χ^2/NDF:20.4/19

+ sign -142.321+/-40.776 χ^2/NDF: 84.4/36

All: -7.351+/-29.022 χ^2/NDF: 159.3/75

- sign 131.221+/-41.316 χ^2/NDF: 52.7/38

cor_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 197.997+/-0.034 χ^2/NDF:167987.8/20

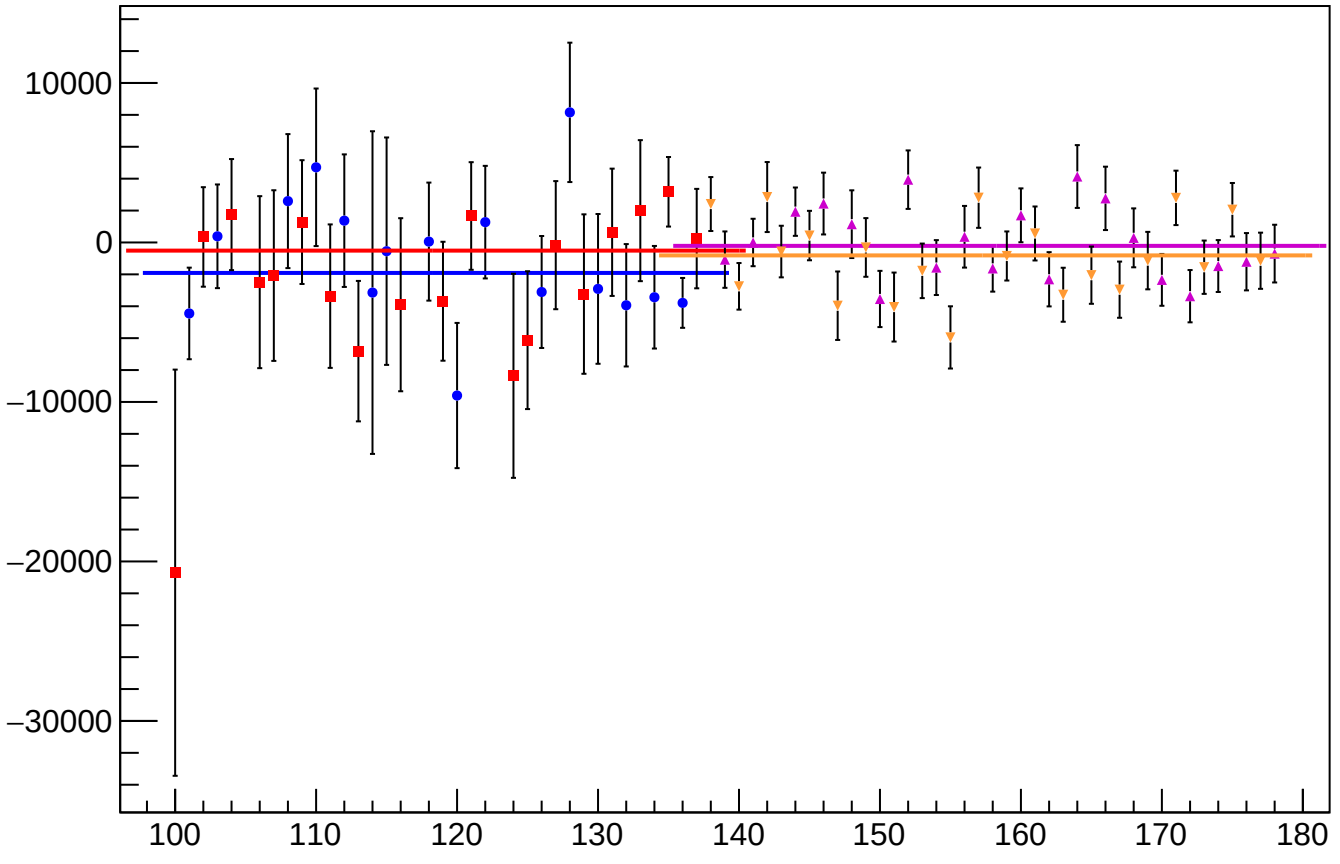
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 200.227+/-0.035 χ^2/NDF:170664.7/19

+ sign 198.643+/-0.029 χ^2/NDF: 350182.2/36

All: 199.621+/-0.021 χ^2/NDF: 719021.3/75

- sign 200.624+/-0.029 χ^2/NDF: 366510.2/38



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -811.553+/-381.335 χ^2/NDF:36.6/20

Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

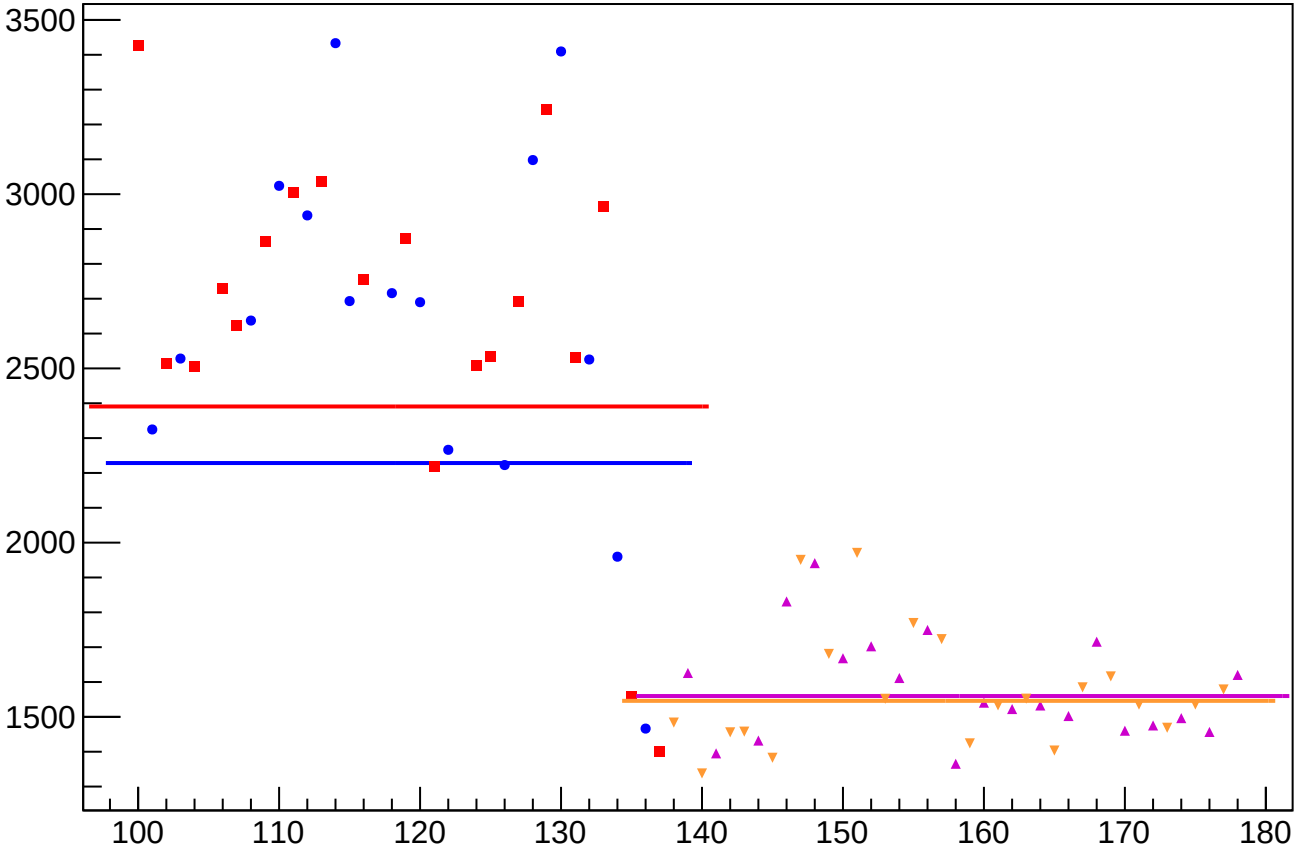
Left In: -213.100+/-388.144 χ^2/NDF:31.3/19

+ sign -992.409+/-348.541 χ^2/NDF: 54.3/36

All: -634.355+/-249.234 χ^2/NDF: 102.1/75

- sign -259.686+/-356.536 χ^2/NDF: 45.6/38

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1545.985+/-0.270 χ^2/NDF:312072.2/20

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

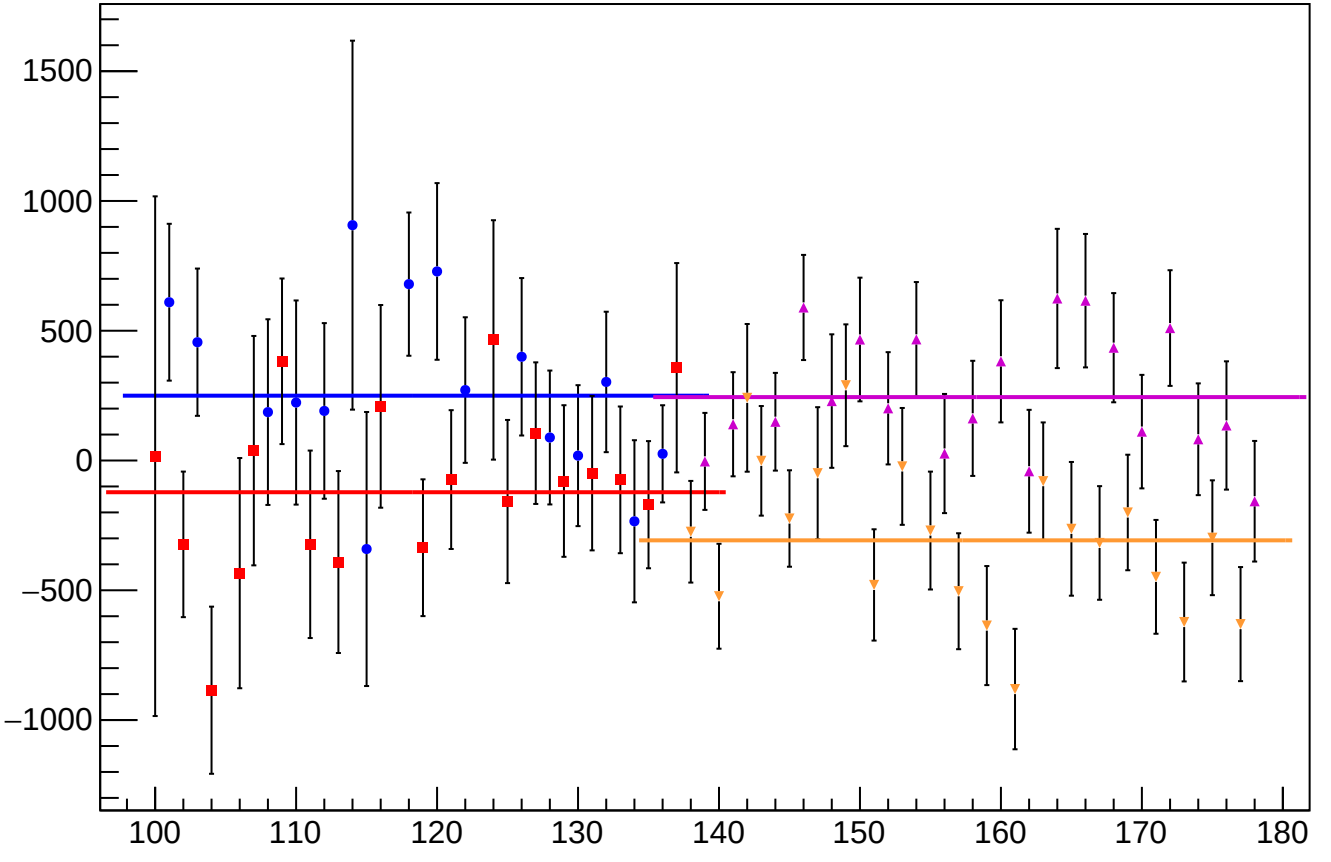
Left In: 1559.808+/-0.274 χ^2/NDF:263917.0/19

+ sign 1658.316+/-0.246 χ^2/NDF: 2314093.4/36

All: 1673.617+/-0.176 χ^2/NDF: 4807911.8/75

- sign 1689.628+/-0.252 χ^2/NDF: 2485931.1/38

eigen_cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -307.612+/-48.616 χ^2/NDF:31.6/20

Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

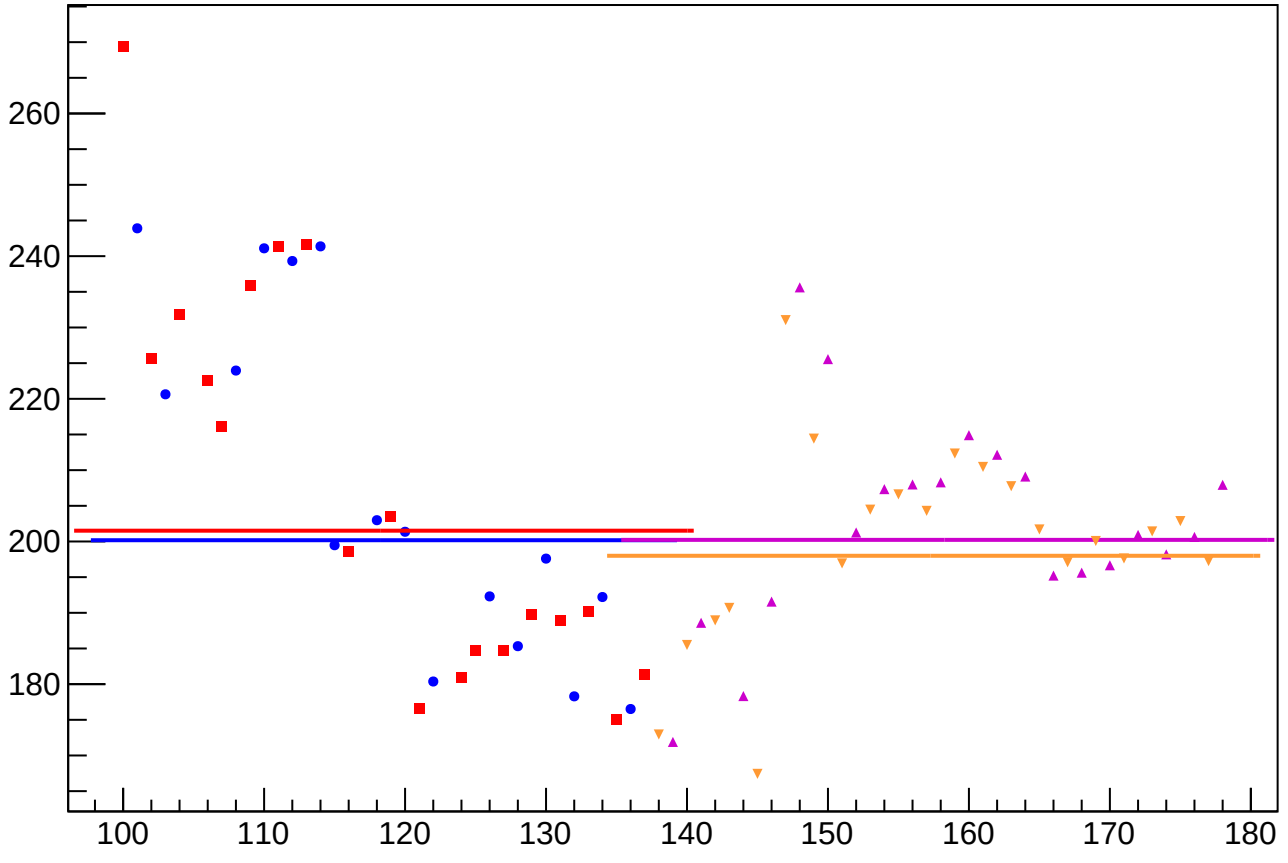
Left In: 244.312+/-49.687 χ^2/NDF:20.4/19

+ sign -142.321+/-40.776 χ^2/NDF: 84.4/36

All: -7.351+/-29.022 χ^2/NDF: 159.3/75

- sign 131.221+/-41.316 χ^2/NDF: 52.7/38

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 197.997+/-0.034 χ^2/NDF:167987.8/20

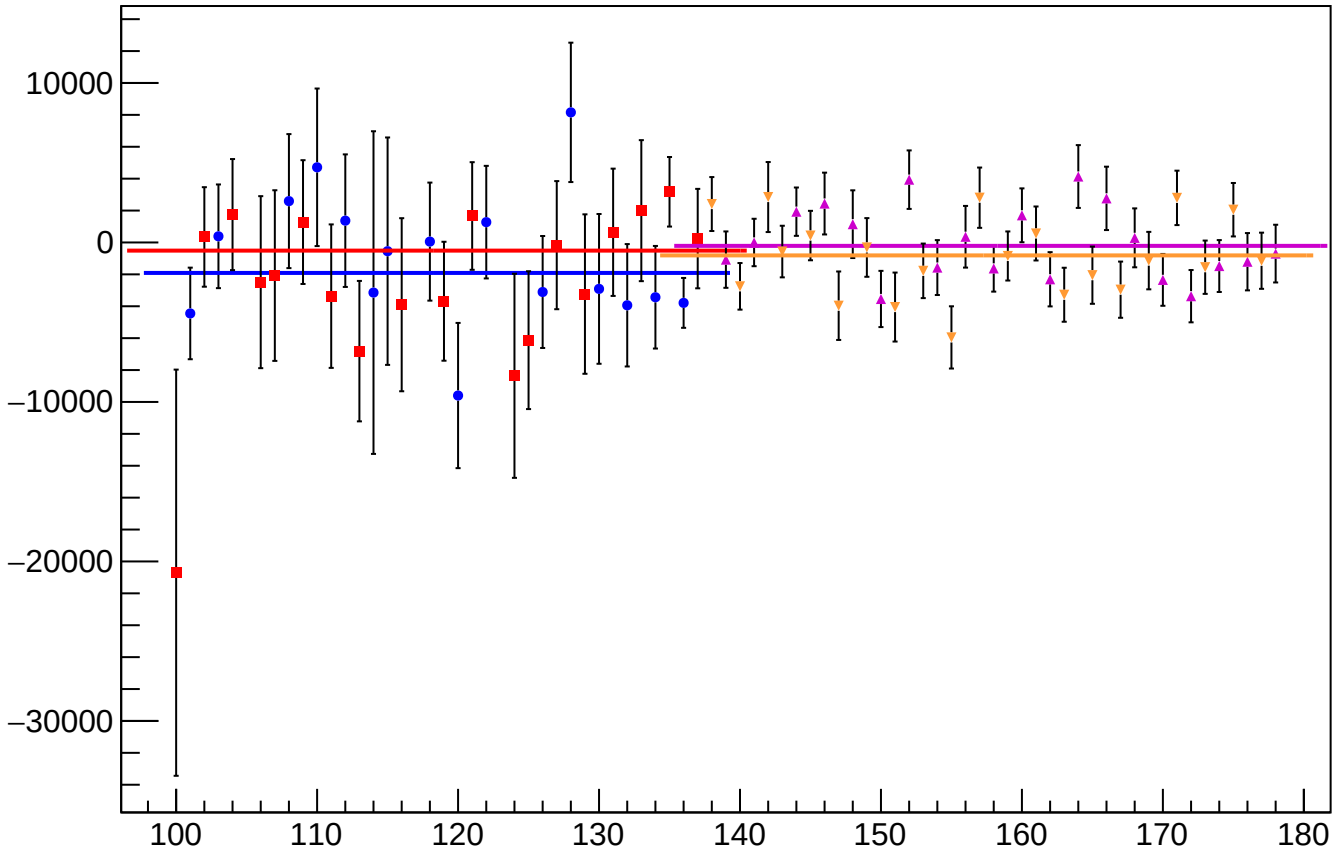
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 200.227+/-0.035 χ^2/NDF:170664.7/19

\+ sign 198.643+/-0.029 χ^2/NDF: 350182.2/36

All: 199.621+/-0.021 χ^2/NDF: 719021.3/75

\- sign 200.624+/-0.029 χ^2/NDF: 366510.2/38



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -811.553+/-381.335 χ^2/NDF:36.6/20

Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

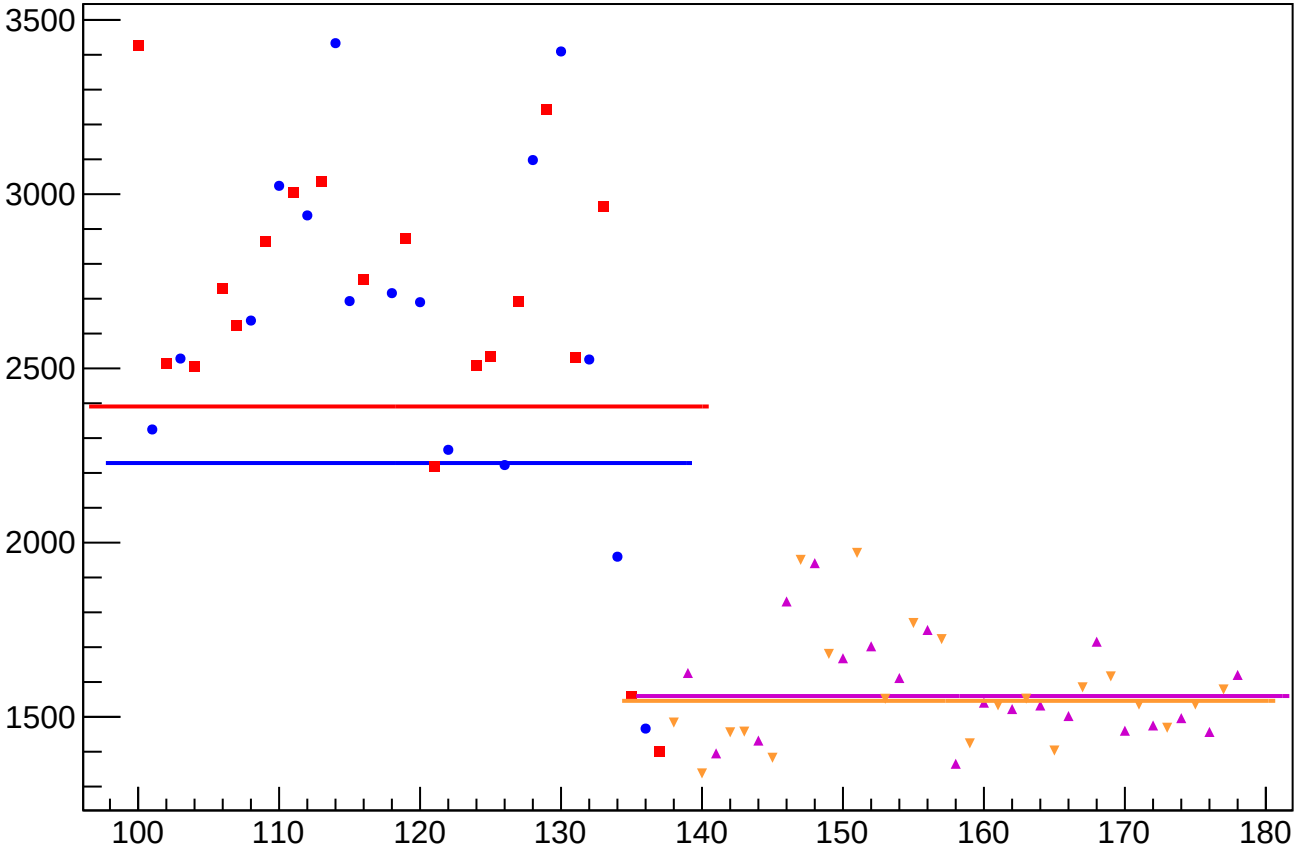
Left In: -213.100+/-388.144 χ^2/NDF:31.3/19

\+ sign -992.409+/-348.541 χ^2/NDF: 54.3/36

All: -634.355+/-249.234 χ^2/NDF: 102.1/75

\- sign -259.686+/-356.536 χ^2/NDF: 45.6/38

asym_sam_26_dd_eigen_cor_correction_rms vs Slug



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1545.985+/-0.270 χ^2/NDF:312072.2/20

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

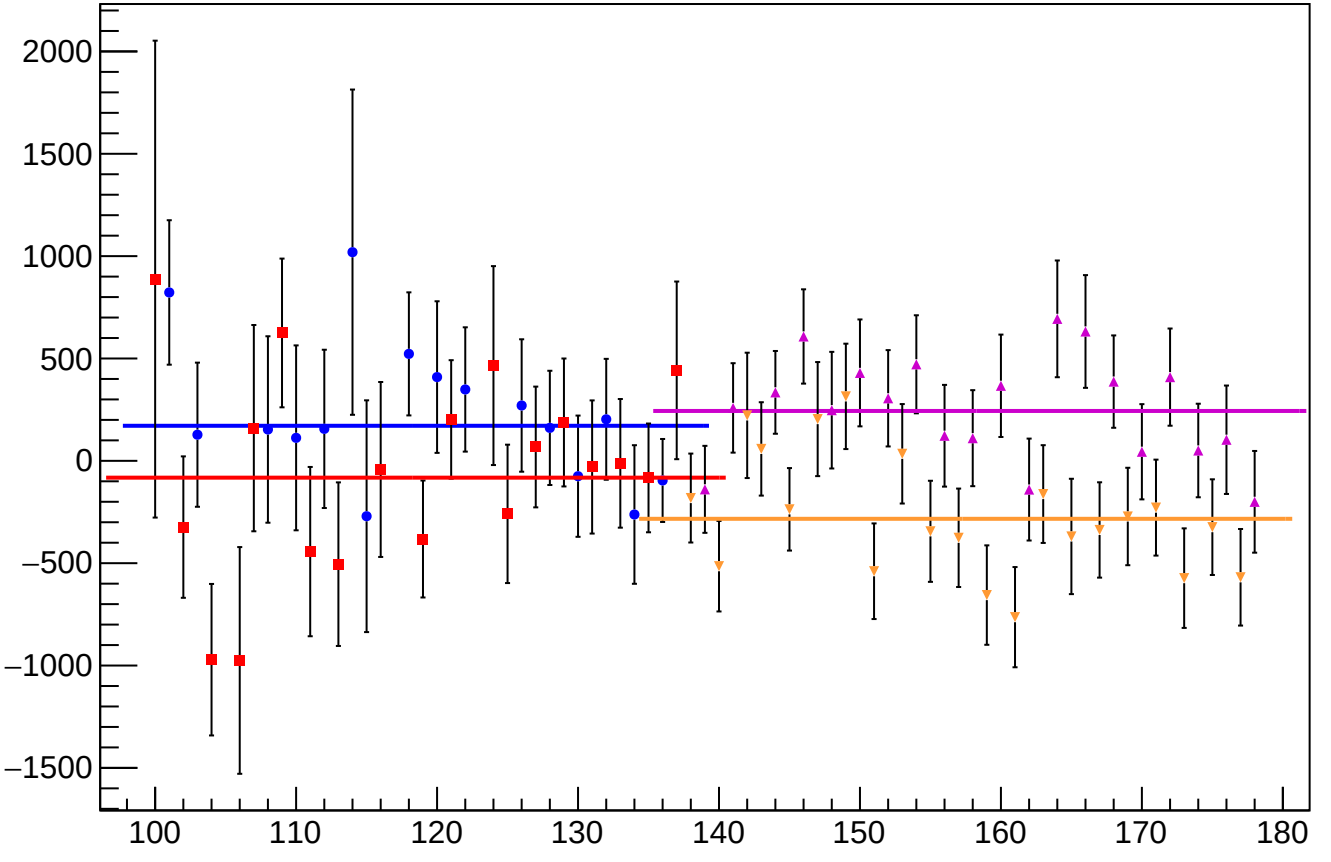
Left In: 1559.808+/-0.274 χ^2/NDF:263917.0/19

+ sign 1658.316+/-0.246 χ^2/NDF: 2314093.4/36

All: 1673.617+/-0.176 χ^2/NDF: 4807911.8/75

- sign 1689.628+/-0.252 χ^2/NDF: 2485931.1/38

dit_asym_sam_26_dd_mean vs Slug



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -283.189+/-52.387 χ^2/NDF:27.5/20

Right Out: -82.152+/-82.545 χ^2/NDF: 21.6/18

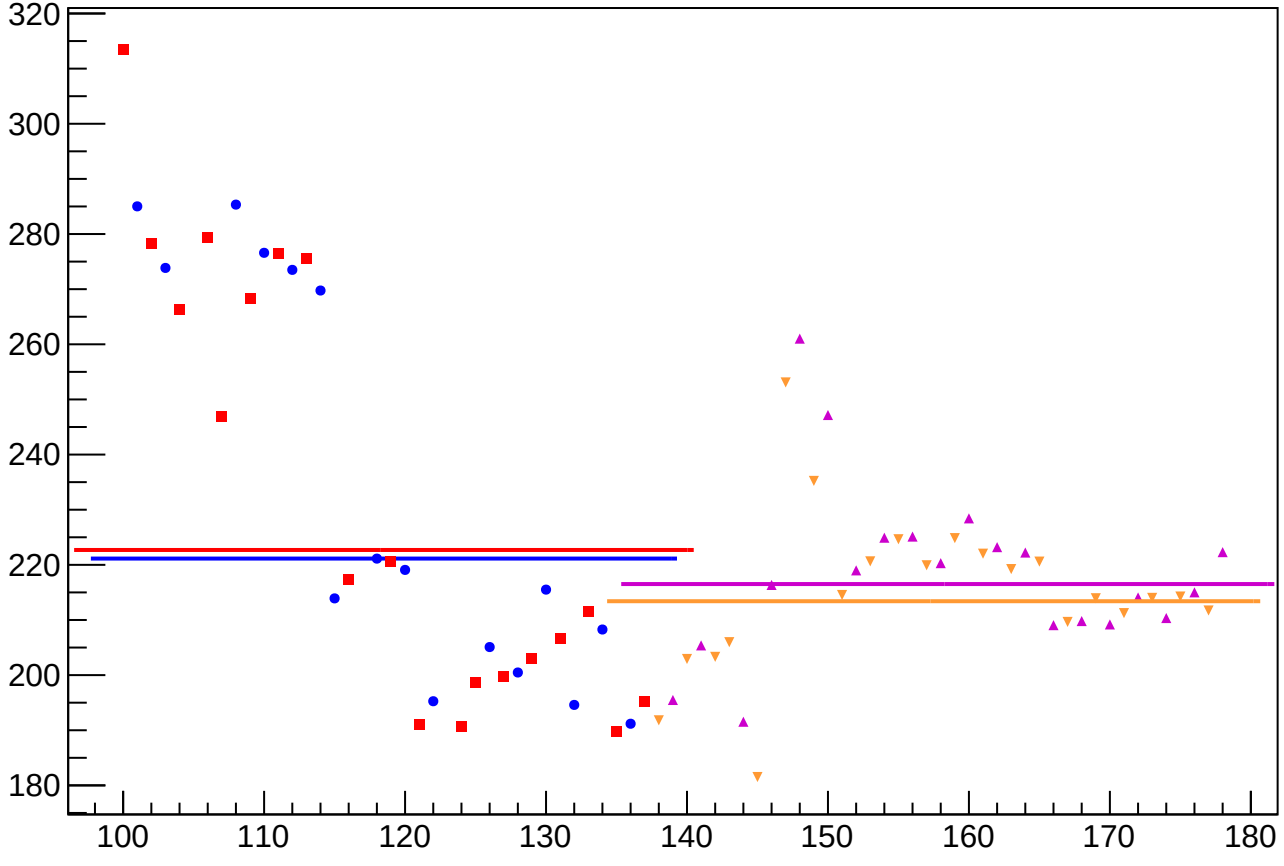
Left In: 243.661+/-53.733 χ^2/NDF:20.9/19

+ sign -153.983+/-44.318 χ^2/NDF: 60.4/36

All: -6.048+/-31.587 χ^2/NDF: 136.5/75

- sign 146.692+/-45.032 χ^2/NDF: 53.5/38

dit_asym_sam_26_dd_rms vs Slug



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 213.403+/-0.037 χ^2/NDF:151259.6/20

Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

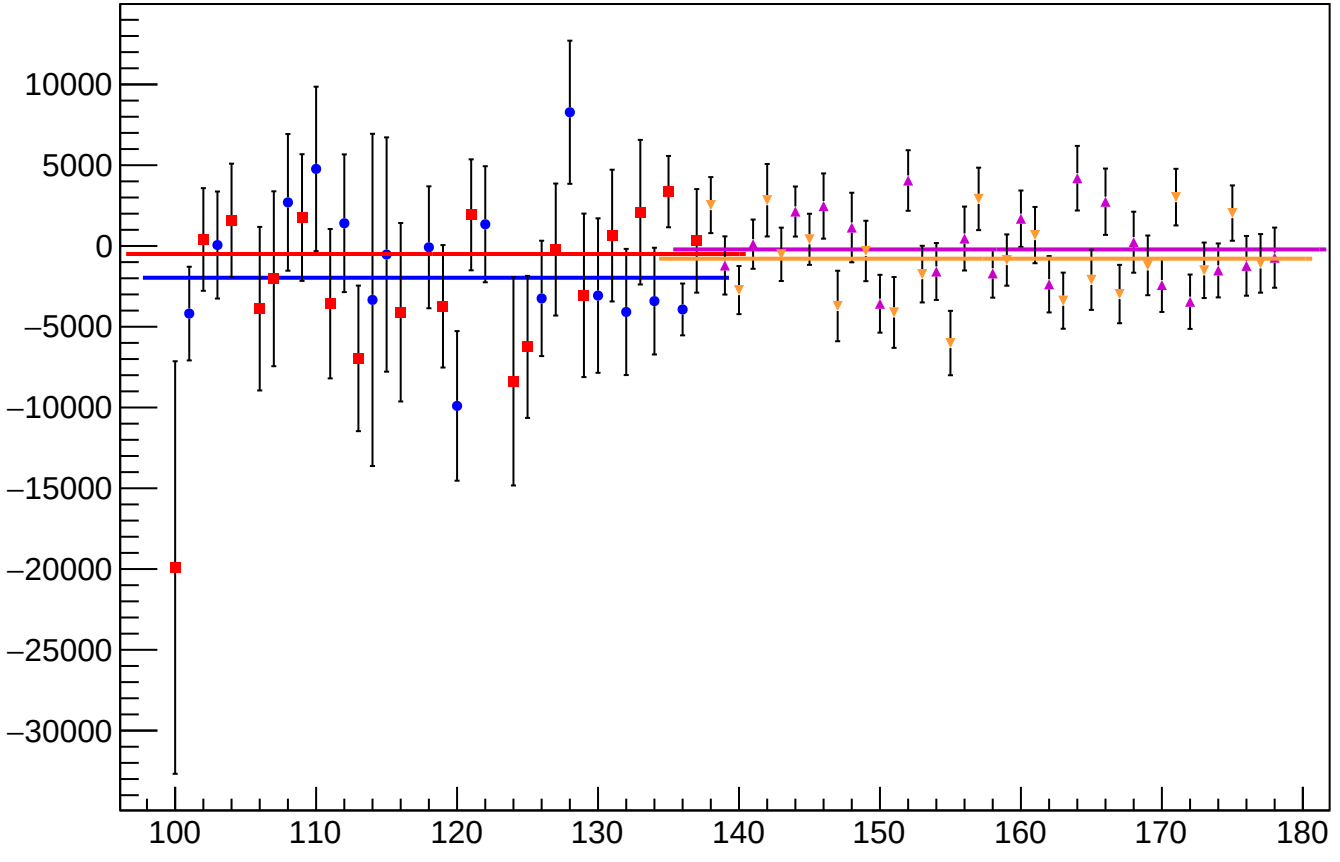
Left In: 216.517+/-0.038 χ^2/NDF:152109.2/19

+ sign 215.603+/-0.031 χ^2/NDF: 482361.5/36

All: 216.957+/-0.022 χ^2/NDF: 973177.7/75

- sign 218.356+/-0.032 χ^2/NDF: 487017.6/38

asym_sam_26_dd_dit_correction_mean vs Slug



Right In: -1967.414+/-876.610 χ^2/NDF: 16.2/15

Left Out: -786.164+/-390.651 χ^2/NDF:36.2/20

Right Out: -497.281+/-914.759 χ^2/NDF: 14.8/18

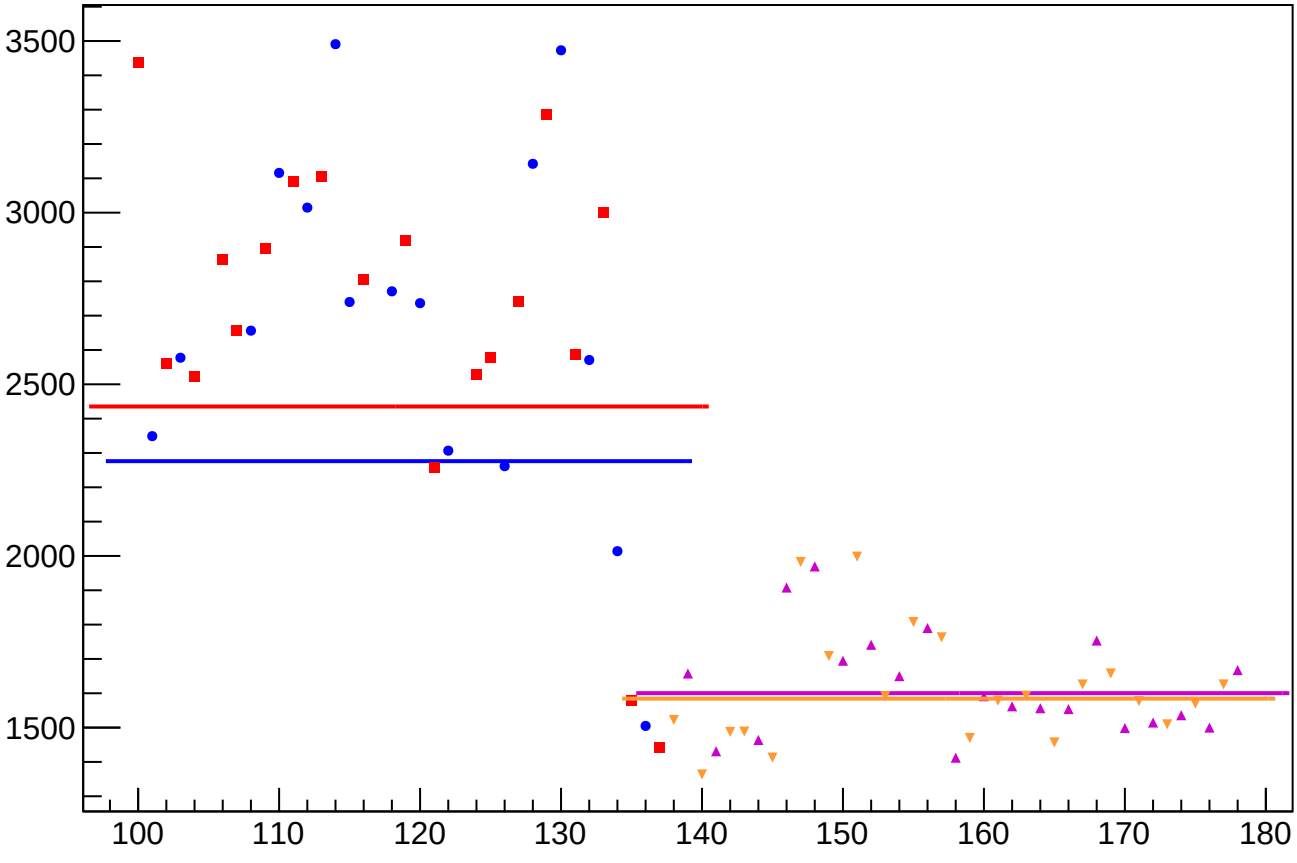
Left In: -213.183+/-398.119 χ^2/NDF:31.3/19

\+ sign -981.884+/-356.823 χ^2/NDF: 53.9/36

All: -628.393+/-255.169 χ^2/NDF: 102.0/75

\- sign -258.426+/-365.045 χ^2/NDF: 46.2/38

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1584.437+/-0.276 χ^2/NDF:298602.8/20

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

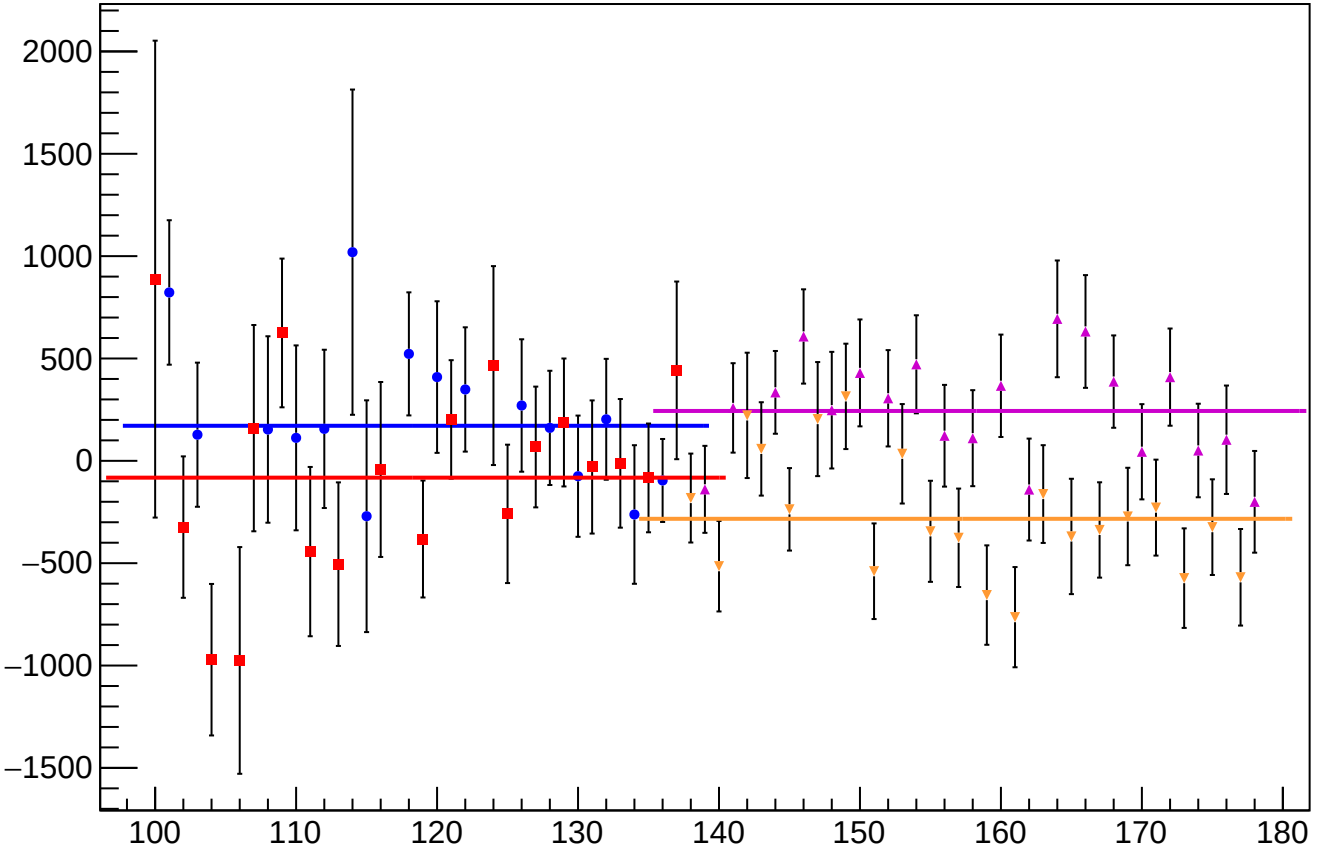
Left In: 1600.312+/-0.282 χ^2/NDF:255674.1/19

+ sign 1699.044+/-0.252 χ^2/NDF: 2264494.1/36

All: 1715.778+/-0.180 χ^2/NDF: 4721886.8/75

- sign 1733.293+/-0.258 χ^2/NDF: 2448389.9/38

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -283.191+/-52.387 χ^2/NDF:27.5/20

Right Out: -82.150+/-82.545 χ^2/NDF: 21.6/18

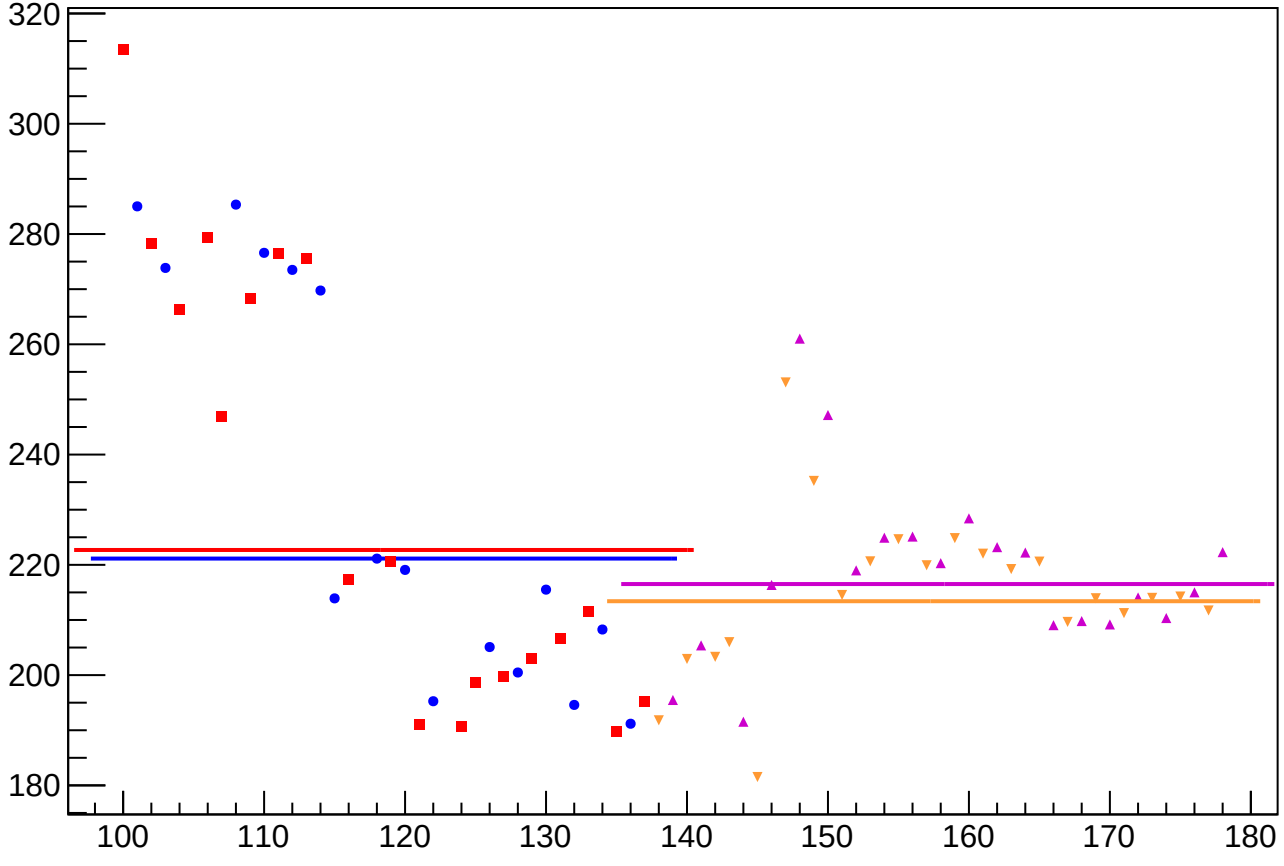
Left In: 243.663+/-53.733 χ^2/NDF:20.9/19

\+ sign -153.983+/-44.318 χ^2/NDF: 60.4/36

All: -6.048+/-31.587 χ^2/NDF: 136.5/75

\- sign 146.693+/-45.032 χ^2/NDF: 53.5/38

eigen_dit_asym_sam_26_dd_rms vs Slug



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 213.403+/-0.037 χ^2/NDF:151263.7/20

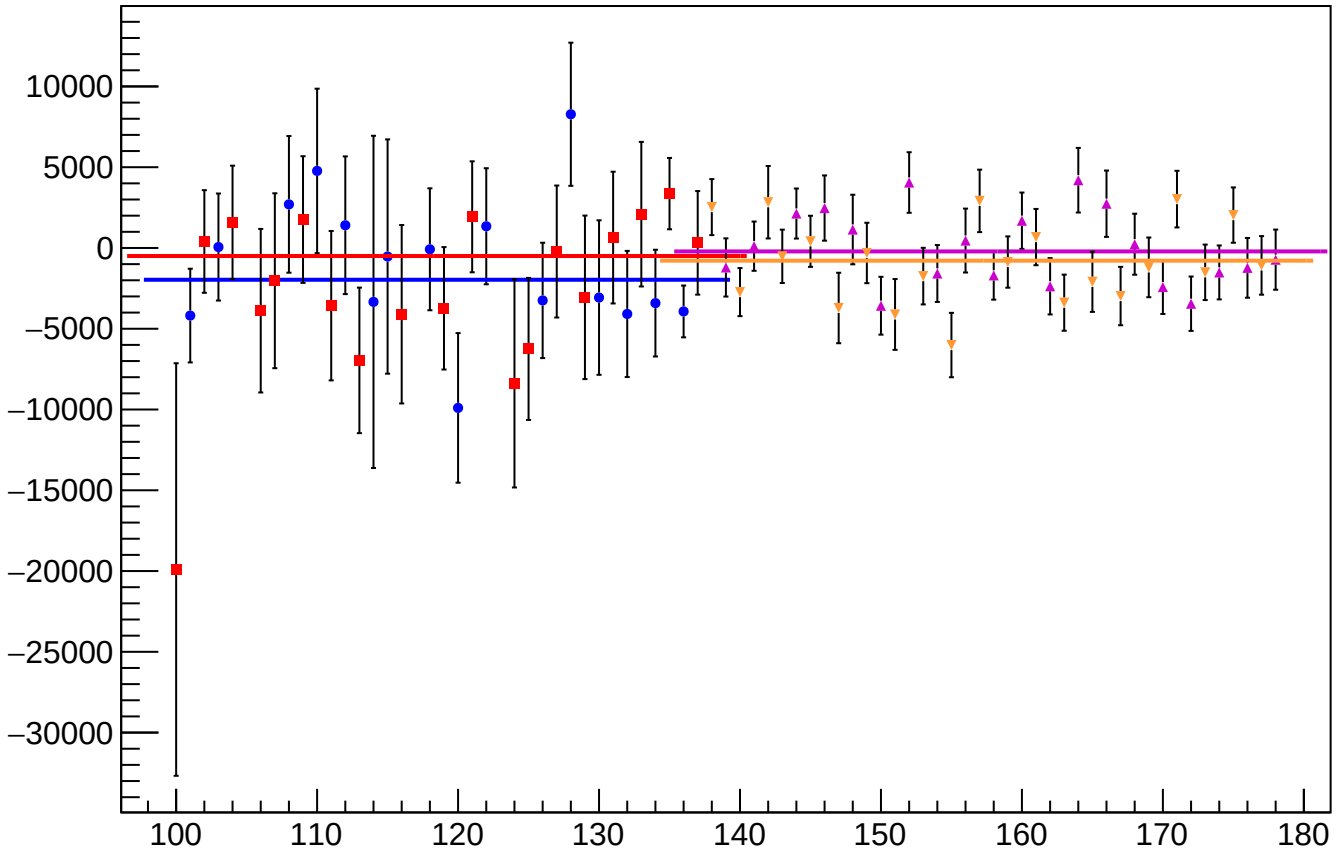
Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 216.516+/-0.038 χ^2/NDF:152111.8/19

+ sign 215.602+/-0.031 χ^2/NDF: 482357.1/36

All: 216.957+/-0.022 χ^2/NDF: 973167.0/75

- sign 218.356+/-0.032 χ^2/NDF: 487011.2/38



Right In: -1967.409+/-876.608 χ^2/NDF: 16.2/15

Left Out: -786.165+/-390.651 χ^2/NDF:36.2/20

Right Out: -497.282+/-914.757 χ^2/NDF: 14.8/18

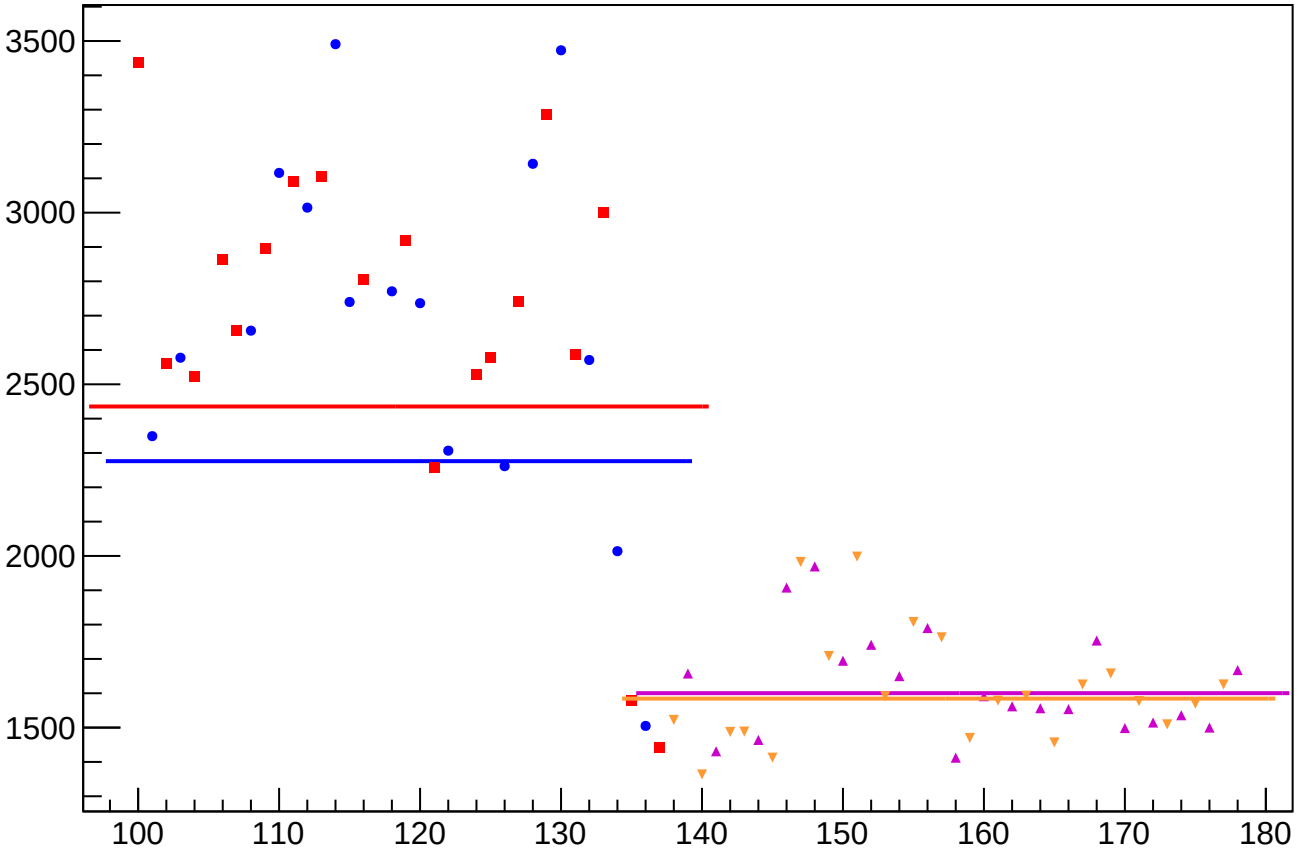
Left In: -213.183+/-398.119 χ^2/NDF:31.3/19

+ sign -981.885+/-356.823 χ^2/NDF: 53.9/36

All: -628.394+/-255.169 χ^2/NDF: 102.0/75

- sign -258.426+/-365.045 χ^2/NDF: 46.2/38

asym_sam_26_dd_eigen_dit_correction_rms vs Slug



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1584.437+/-0.276 χ^2/NDF:298605.4/20

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

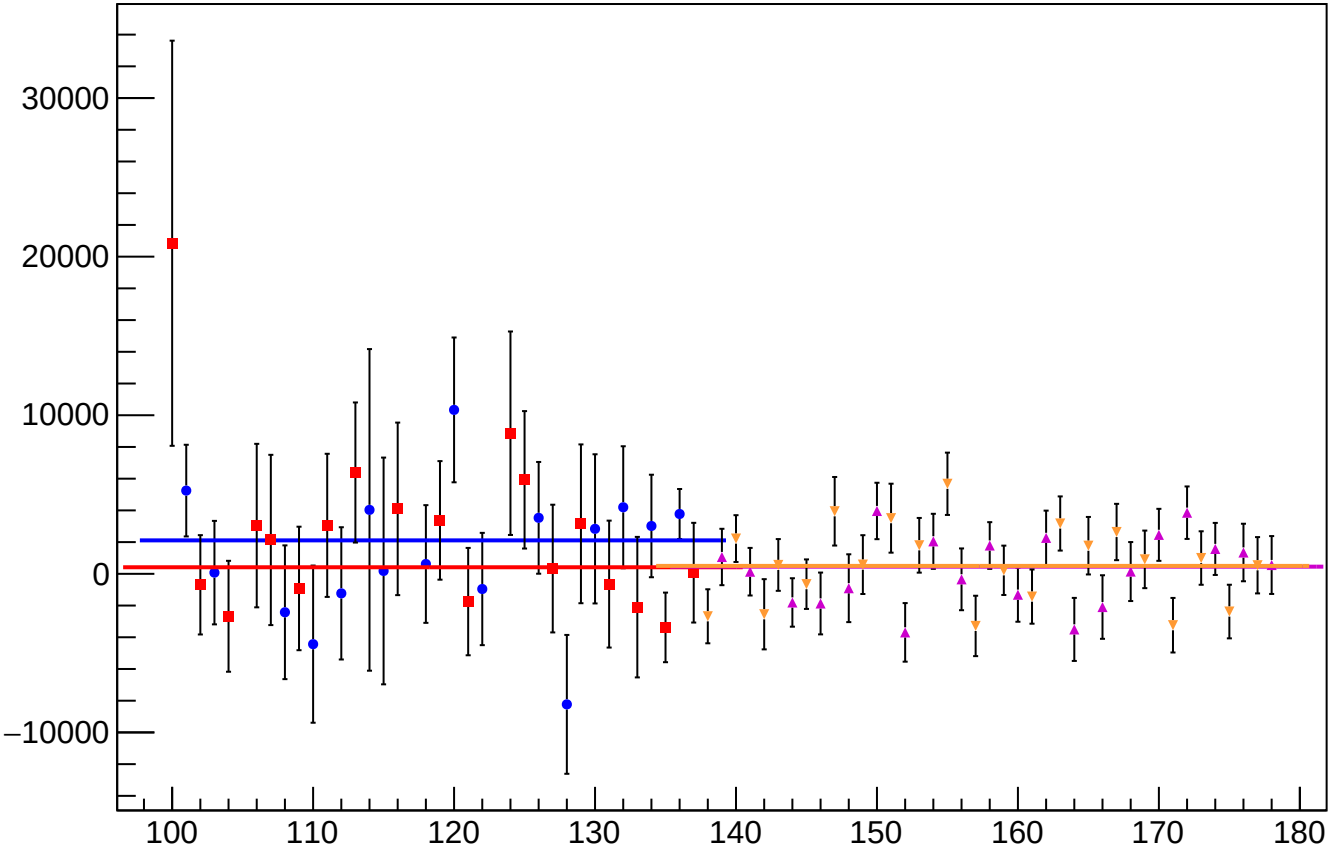
Left In: 1600.313+/-0.282 χ^2/NDF:255675.4/19

+ sign 1699.044+/-0.252 χ^2/NDF: 2264480.8/36

All: 1715.778+/-0.180 χ^2/NDF: 4721859.9/75

- sign 1733.293+/-0.258 χ^2/NDF: 2448376.4/38

asym_sam_26_dd_mean vs Slug



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: 500.065+/-384.565 χ^2/NDF:36.7/20

Right Out: 414.095+/-904.414 χ^2/NDF: 14.7/18

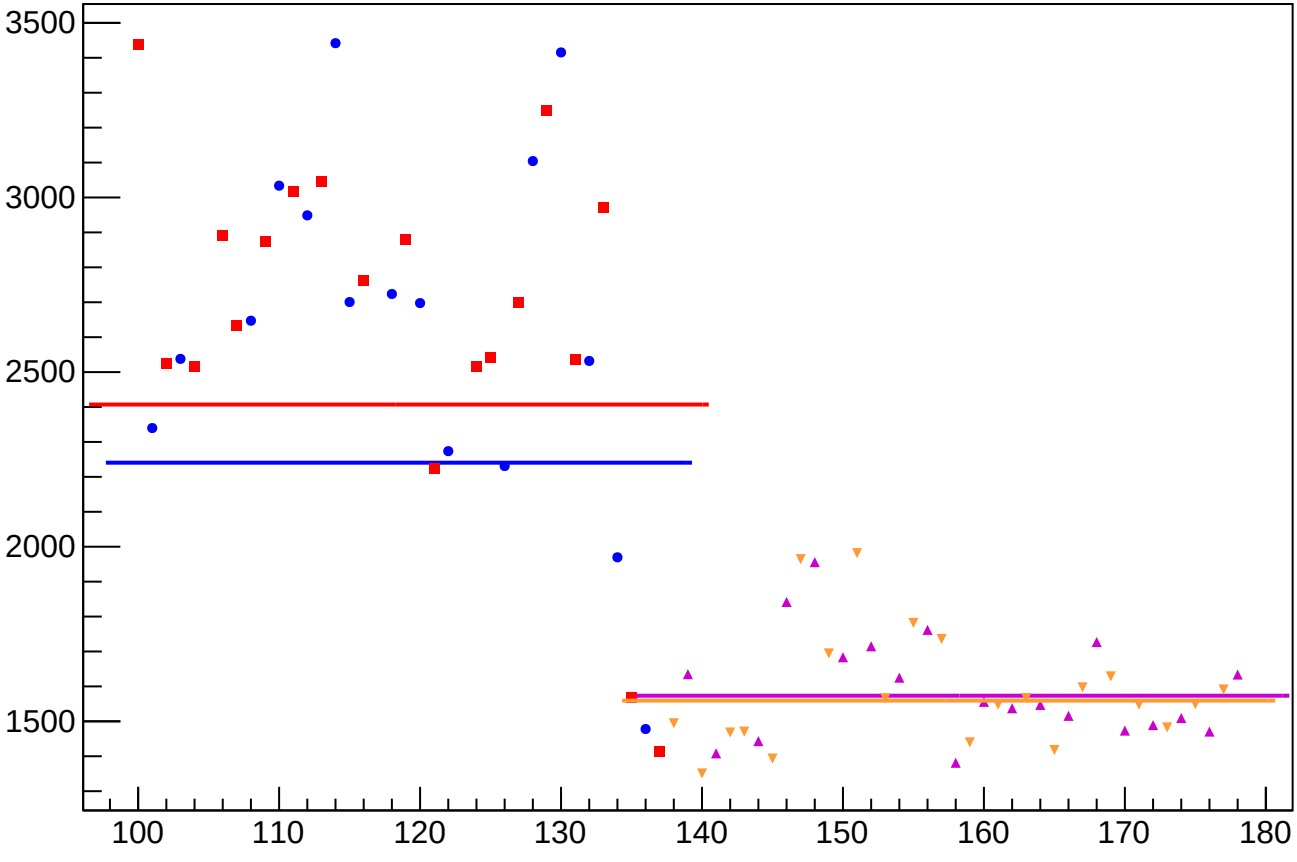
Left In: 451.784+/-391.471 χ^2/NDF:29.2/19

+ sign 766.563+/-351.287 χ^2/NDF: 56.2/36

All: 609.799+/-251.169 χ^2/NDF: 100.5/75

- sign 445.837+/-359.260 χ^2/NDF: 43.8/38

asym_sam_26_dd_rms vs Slug



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1559.317+/-0.272 χ^2/NDF:306696.4/20

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

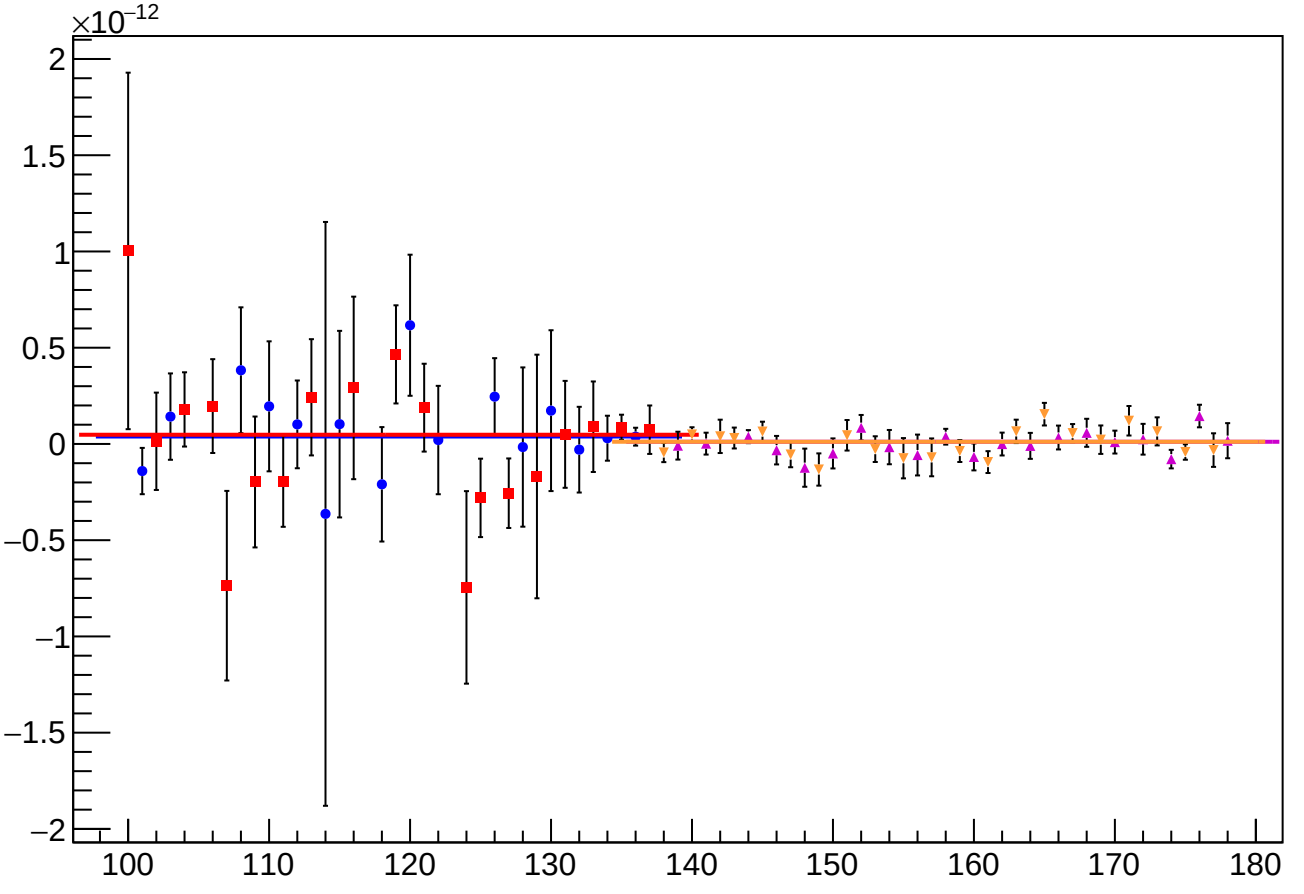
Left In: 1573.406+/-0.277 χ^2/NDF:258011.8/19

+ sign 1672.129+/-0.248 χ^2/NDF: 2279700.1/36

All: 1688.176+/-0.178 χ^2/NDF: 4766601.3/75

- sign 1704.960+/-0.254 χ^2/NDF: 2478362.3/38

asym_sam_26_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.8/20

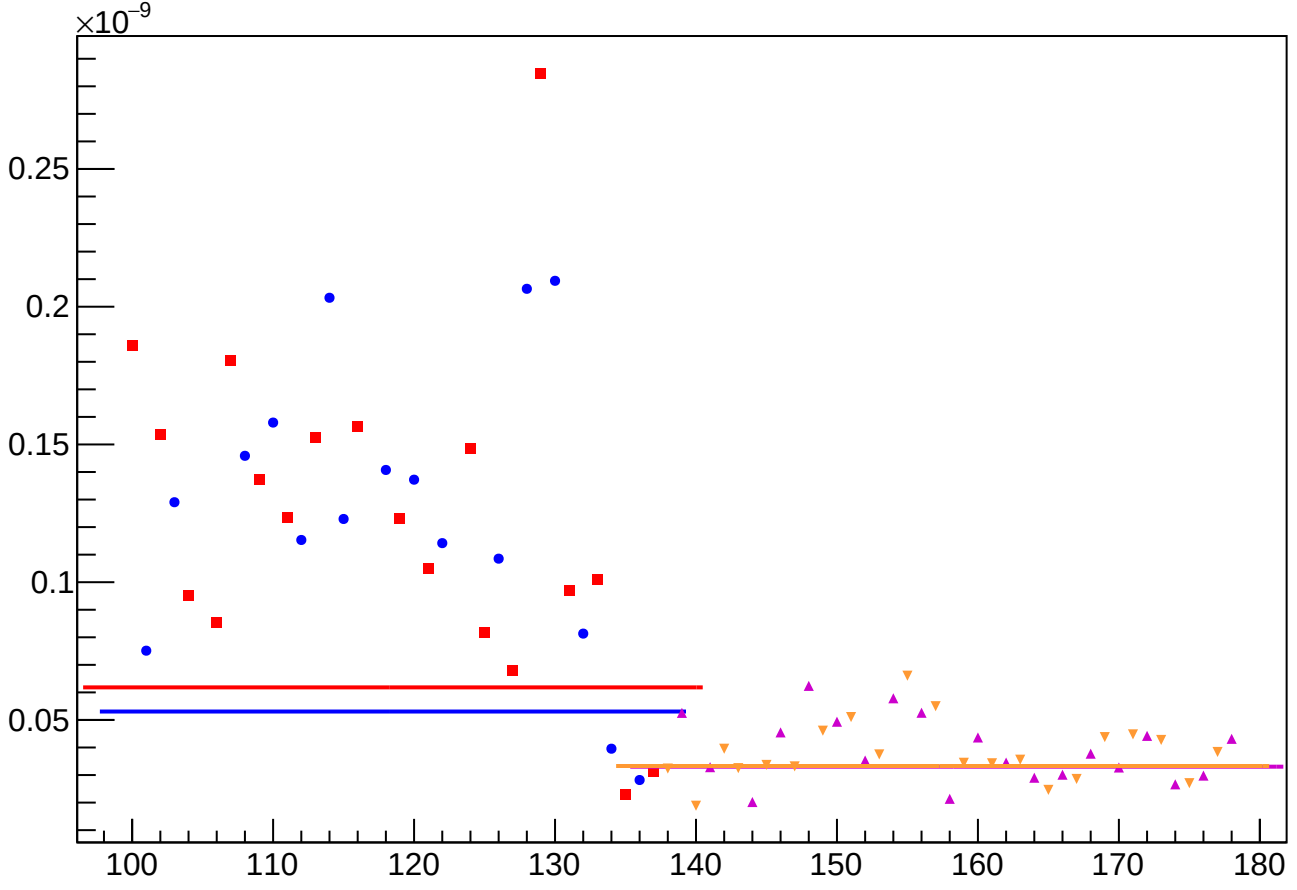
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:16.3/19

+ sign 0.000+/-0.000 χ^2/NDF: 34.7/36

All: 0.000+/-0.000 χ^2/NDF: 69.9/75

- sign 0.000+/-0.000 χ^2/NDF: 35.2/38



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:998433.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

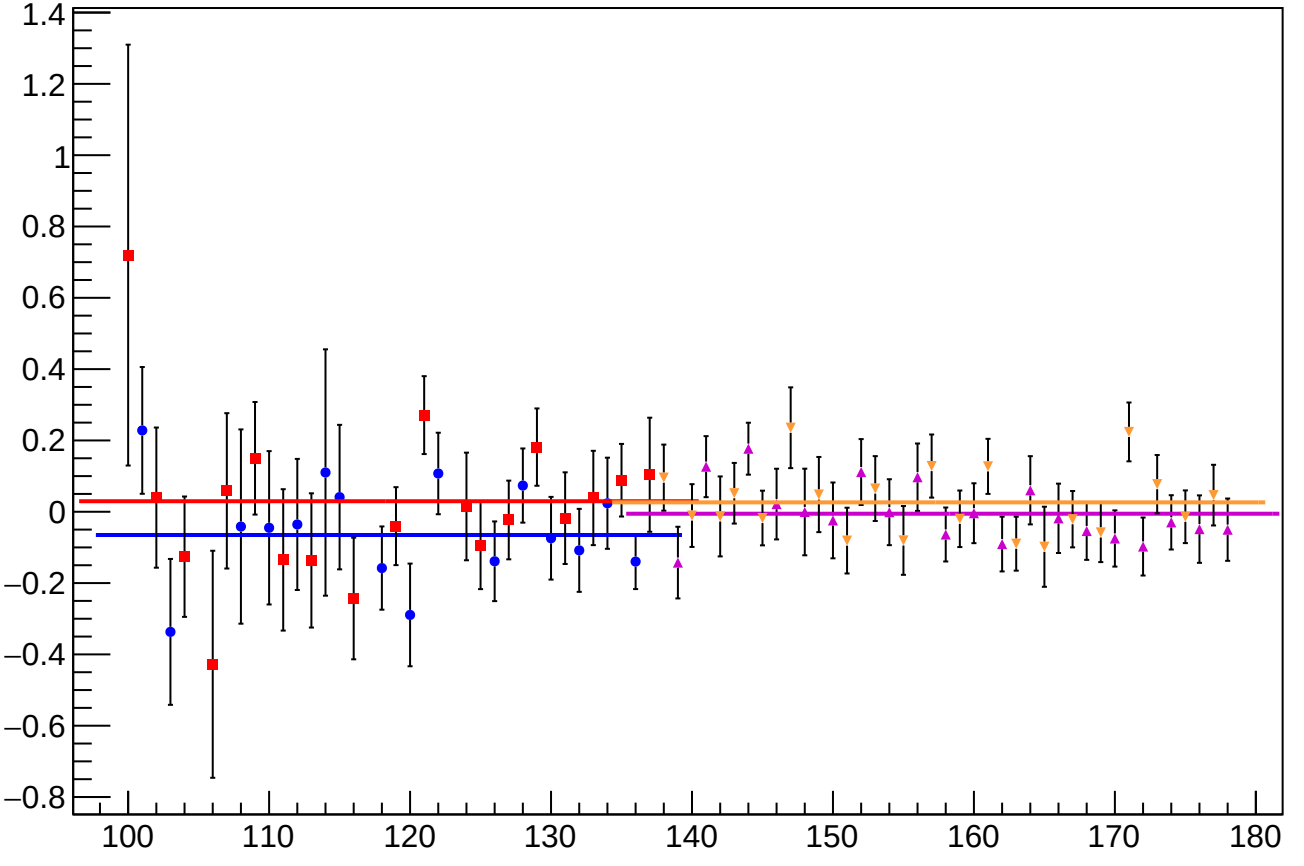
Left In: 0.000+/-0.000 χ^2/NDF:1309579.6/19

+ sign 0.000+/-0.000 χ^2/NDF: 4098710.7/36

All: 0.000+/-0.000 χ^2/NDF: 8625951.0/75

- sign 0.000+/-0.000 χ^2/NDF: 4527157.4/38

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: 0.026+/-0.019 χ^2/NDF:22.3/20

Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

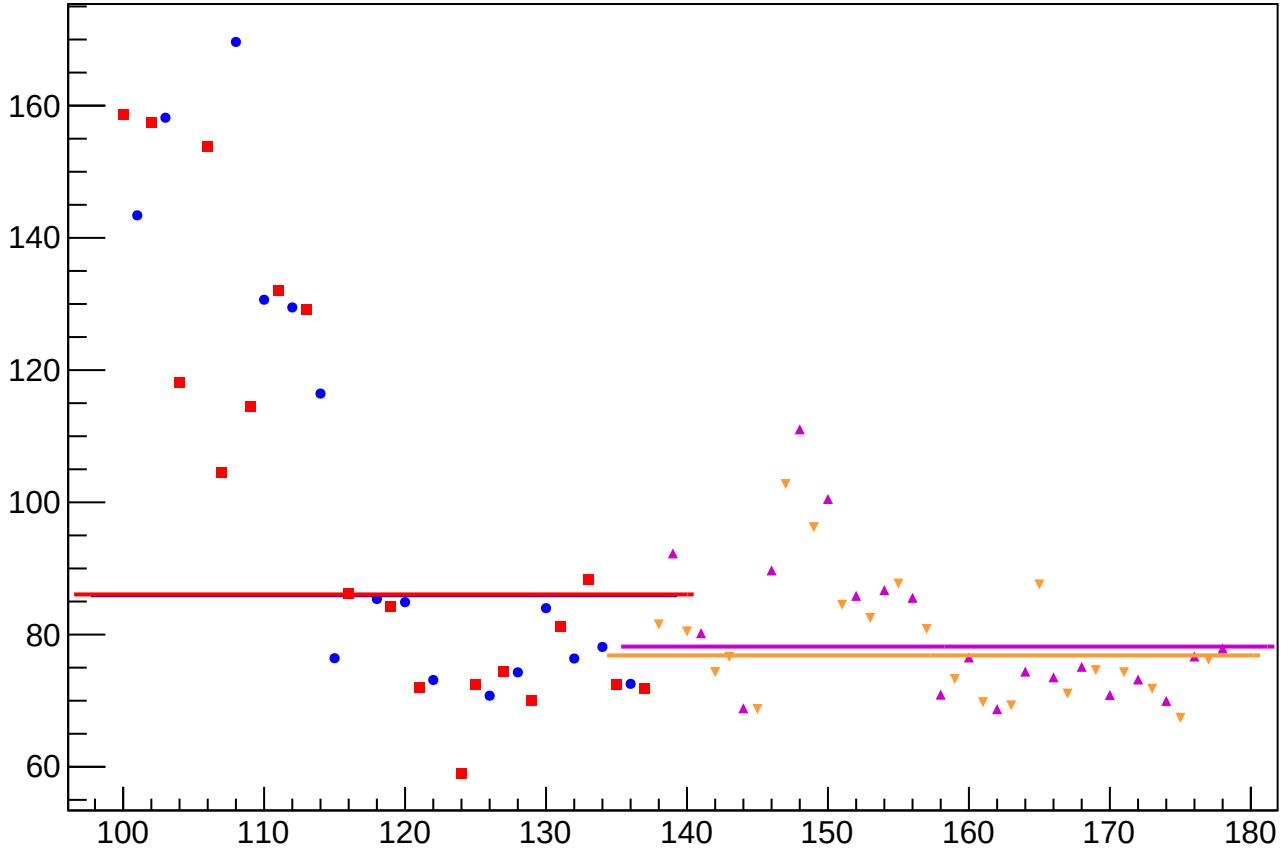
Left In: -0.005+/-0.020 χ^2/NDF:18.7/19

+ sign 0.004+/-0.016 χ^2/NDF: 42.2/36

All: 0.004+/-0.012 χ^2/NDF: 79.8/75

- sign 0.004+/-0.017 χ^2/NDF: 37.6/38

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: 76.851+/-0.013 χ^2/NDF:368657.9/20

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

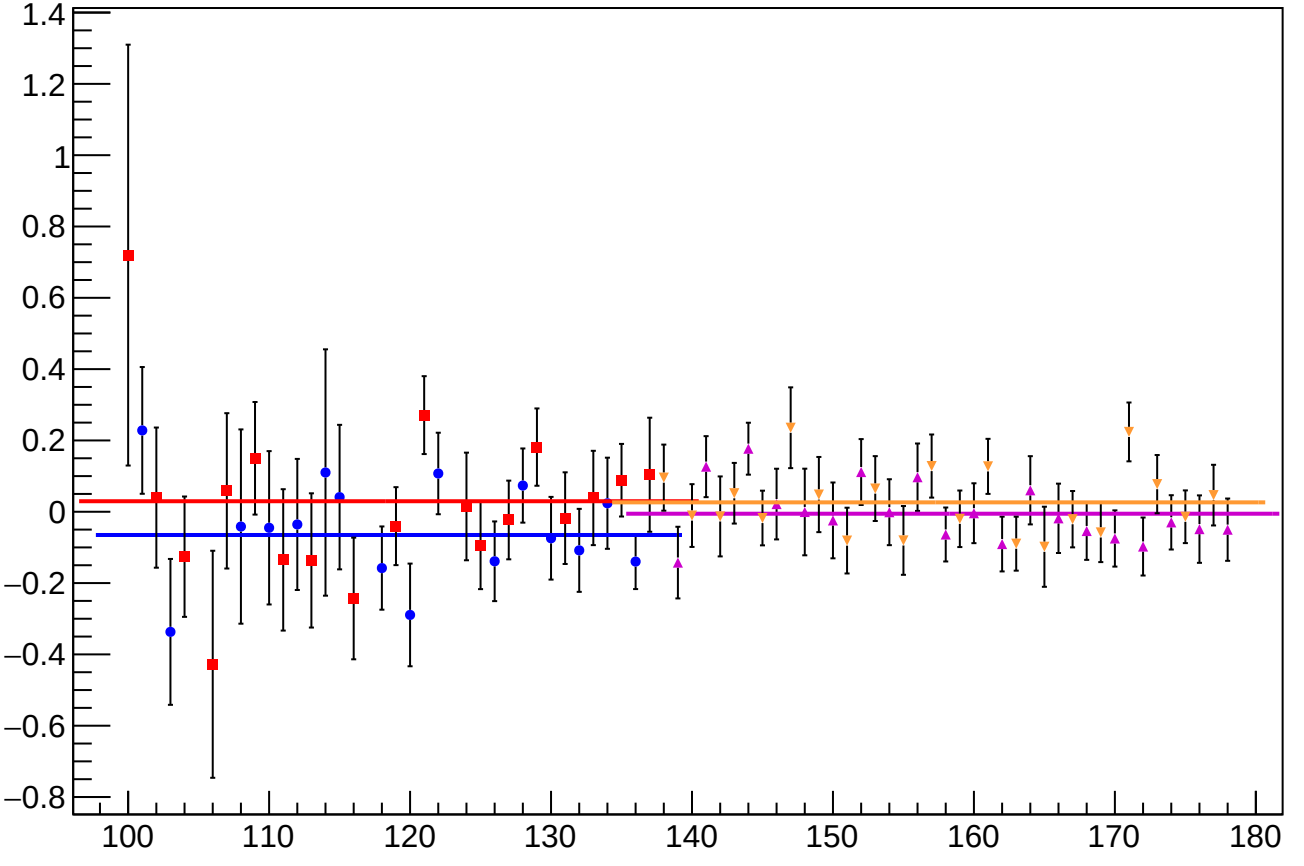
Left In: 78.183+/-0.014 χ^2/NDF:486703.3/19

+ sign 79.079+/-0.012 χ^2/NDF: 1516256.0/36

All: 79.647+/-0.008 χ^2/NDF: 3083897.7/75

- sign 80.240+/-0.012 χ^2/NDF: 1562780.3/38

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.026+/-0.019 χ^2/NDF:22.3/20

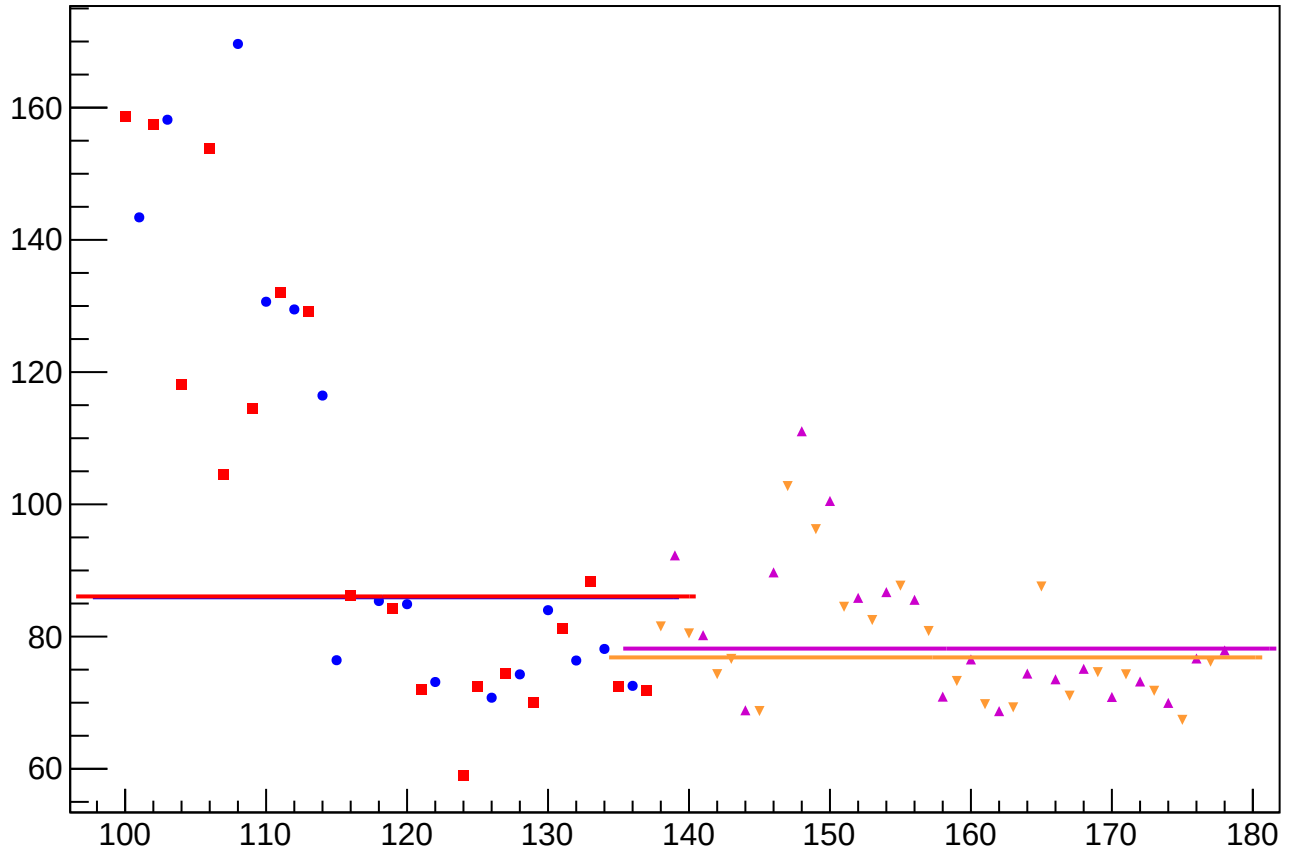
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.005+/-0.020 χ^2/NDF:18.7/19

+ sign 0.004+/-0.016 χ^2/NDF: 42.2/36

All: 0.004+/-0.012 χ^2/NDF: 79.8/75

- sign 0.004+/-0.017 χ^2/NDF: 37.6/38



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 76.851+/-0.013 χ^2/NDF:368657.9/20

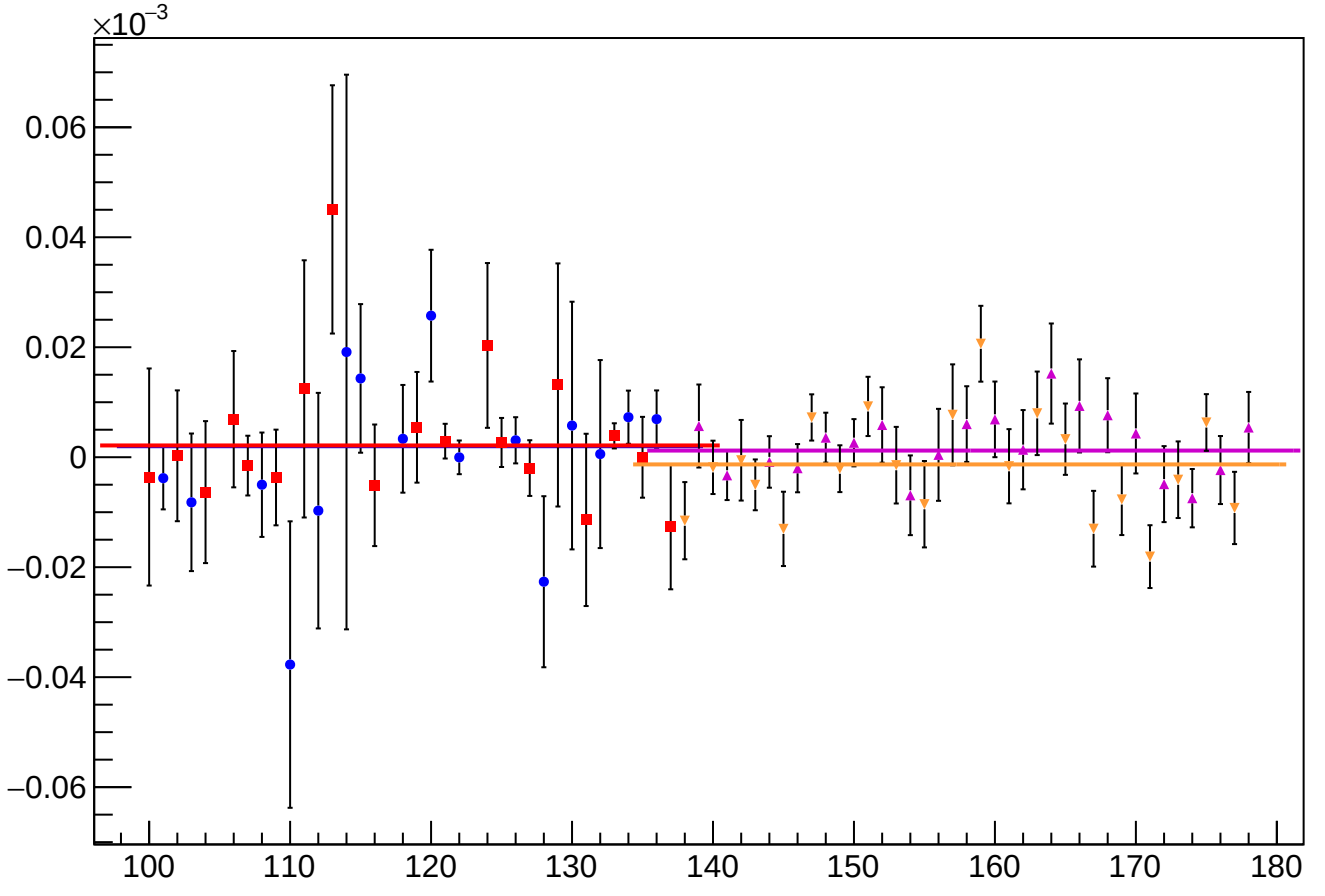
Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 78.183+/-0.014 χ^2/NDF:486703.3/19

+ sign 79.079+/-0.012 χ^2/NDF: 1516256.0/36

All: 79.647+/-0.008 χ^2/NDF: 3083897.7/75

- sign 80.240+/-0.012 χ^2/NDF: 1562780.3/38



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:44.0/20

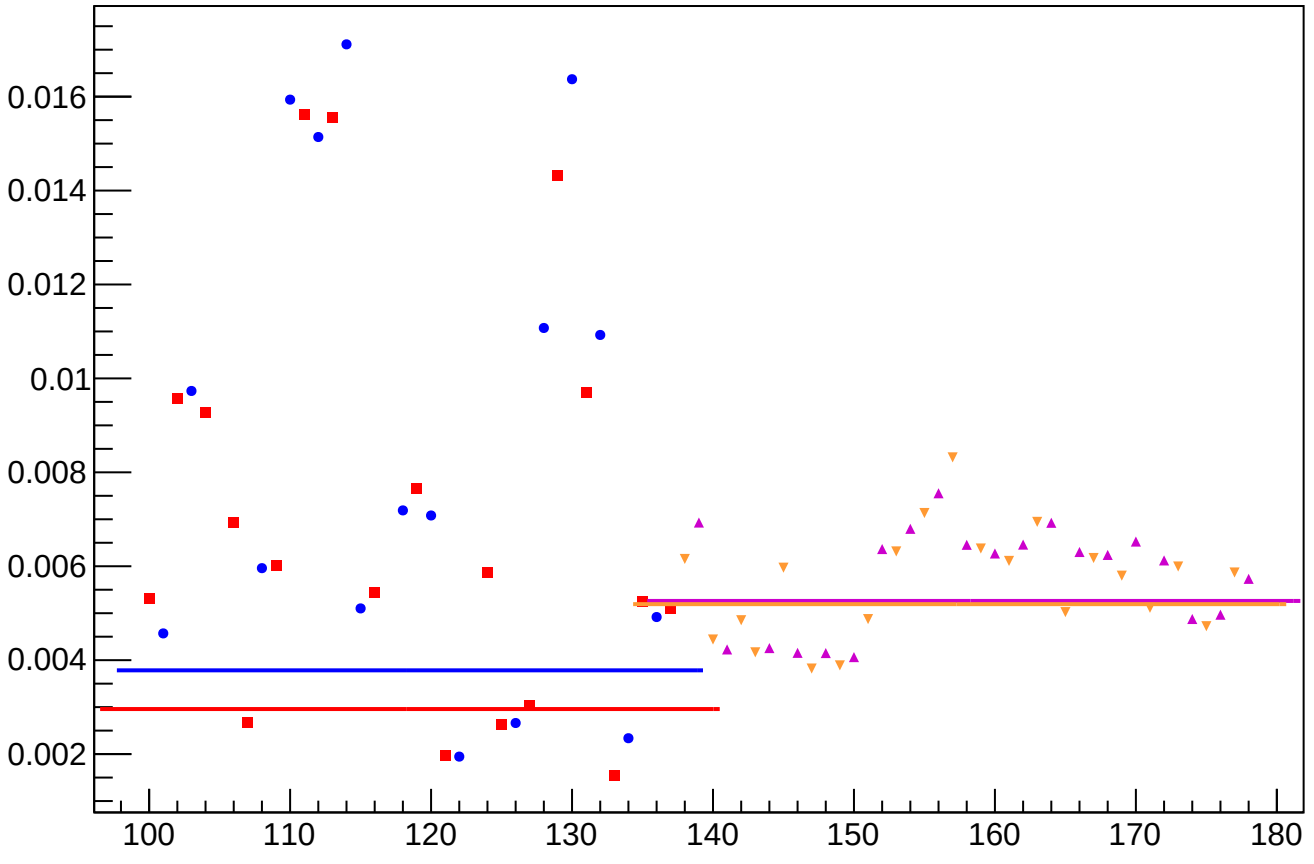
Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: 0.000+/-0.000 χ^2/NDF:13.9/19

+ sign -0.000+/-0.000 χ^2/NDF: 61.2/36

All: 0.000+/-0.000 χ^2/NDF: 88.4/75

- sign 0.000+/-0.000 χ^2/NDF: 25.7/38



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1355081.8/20

Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

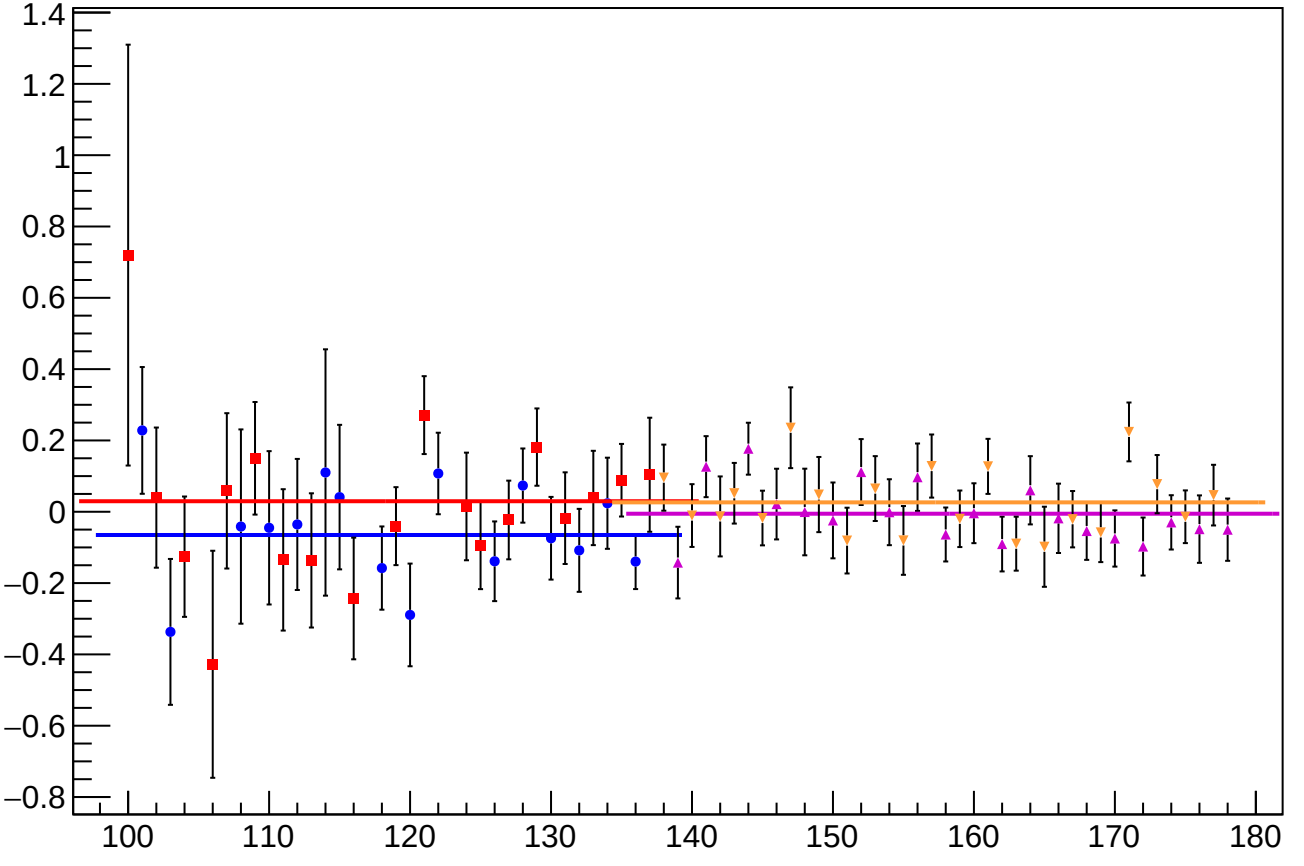
Left In: 0.005+/-0.000 χ^2/NDF:1404405.9/19

+ sign 0.005+/-0.000 χ^2/NDF: 6884585.6/36

All: 0.004+/-0.000 χ^2/NDF: 16925589.3/75

- sign 0.004+/-0.000 χ^2/NDF: 9769735.6/38

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.026+/-0.019 χ^2/NDF:22.3/20

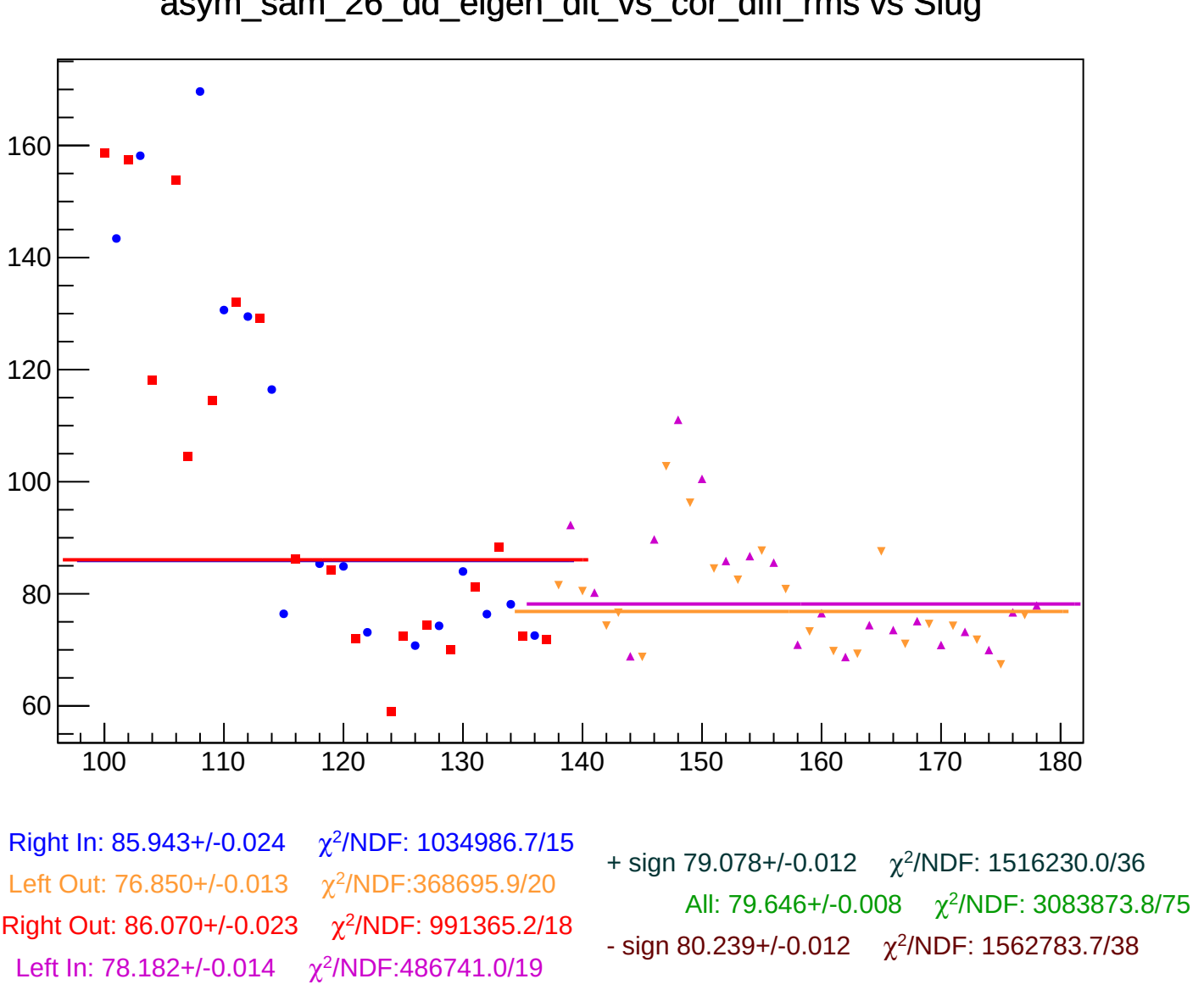
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

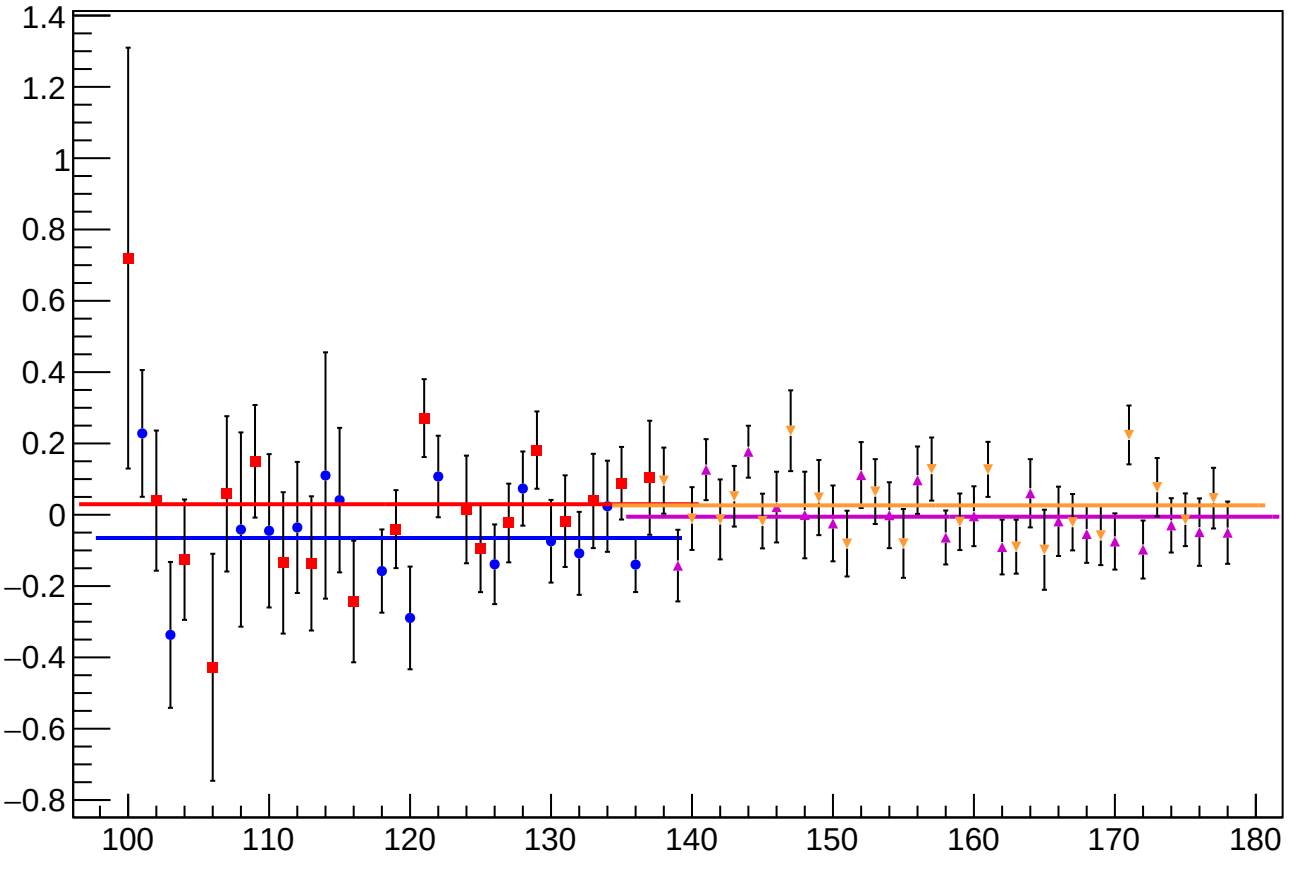
Left In: -0.005+/-0.020 χ^2/NDF:18.7/19

+ sign 0.004+/-0.016 χ^2/NDF: 42.2/36

All: 0.004+/-0.012 χ^2/NDF: 79.8/75

- sign 0.004+/-0.017 χ^2/NDF: 37.6/38


asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs Slug
160
140
120
100
80
60
100
110
120
130
140
150
160
170
180
Right In: 85.943+/-0.024 χ²/NDF: 1034986.7/15
Left Out: 76.850+/-0.013 χ²/NDF:368695.9/20
Right Out: 86.070+/-0.023 χ²/NDF: 991365.2/18
Left In: 78.182+/-0.014 χ²/NDF:486741.0/19
+ sign 79.078+/-0.012 χ²/NDF: 1516230.0/36
All: 79.646+/-0.008 χ²/NDF: 3083873.8/75
- sign 80.239+/-0.012 χ²/NDF: 1562783.7/38



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.026+/-0.019 χ^2/NDF:22.3/20

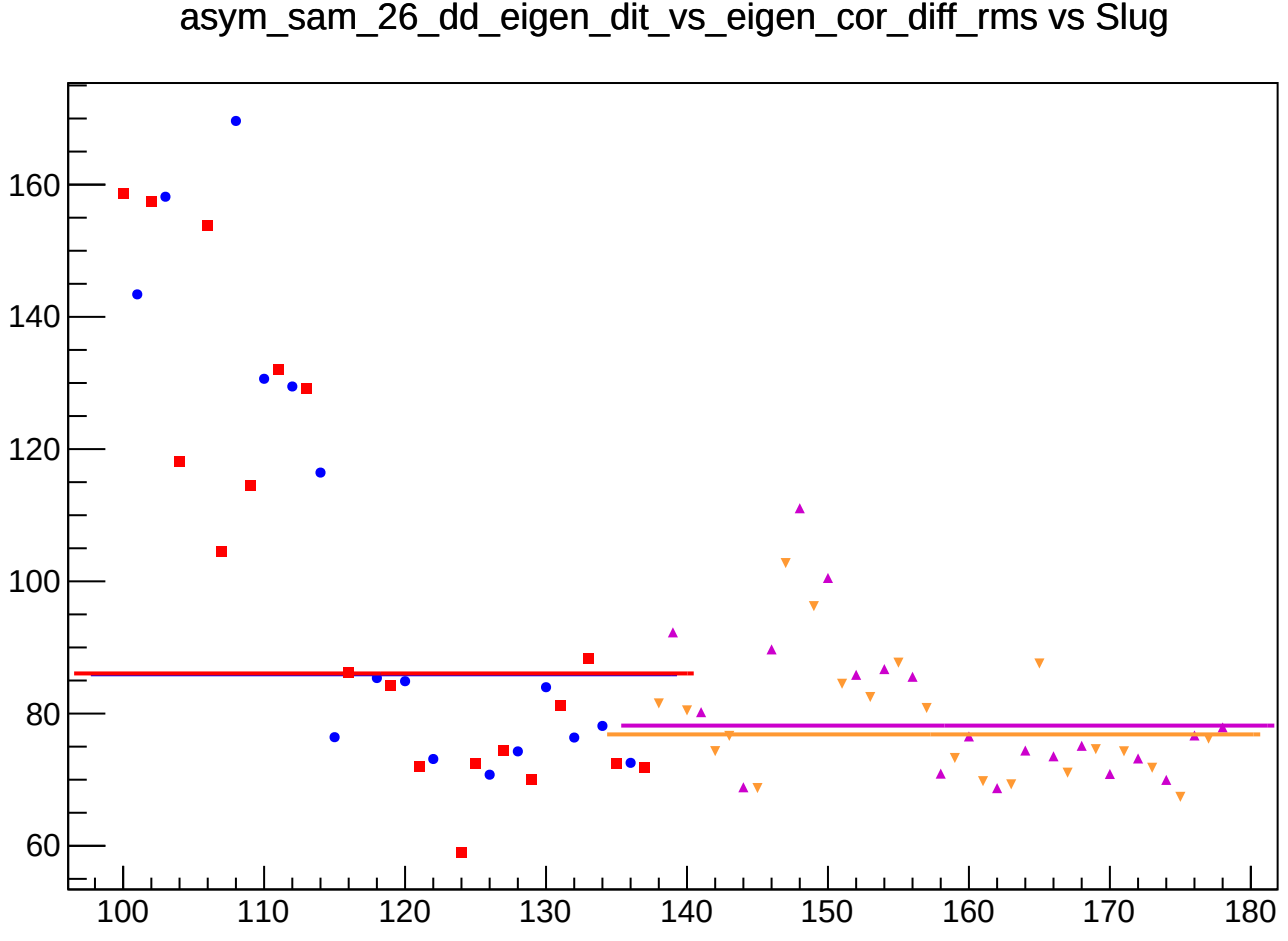
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.005+/-0.020 χ^2/NDF:18.7/19

+ sign 0.004+/-0.016 χ^2/NDF: 42.2/36

All: 0.004+/-0.012 χ^2/NDF: 79.8/75

- sign 0.004+/-0.017 χ^2/NDF: 37.6/38



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 76.850+/-0.013 χ^2/NDF:368695.9/20

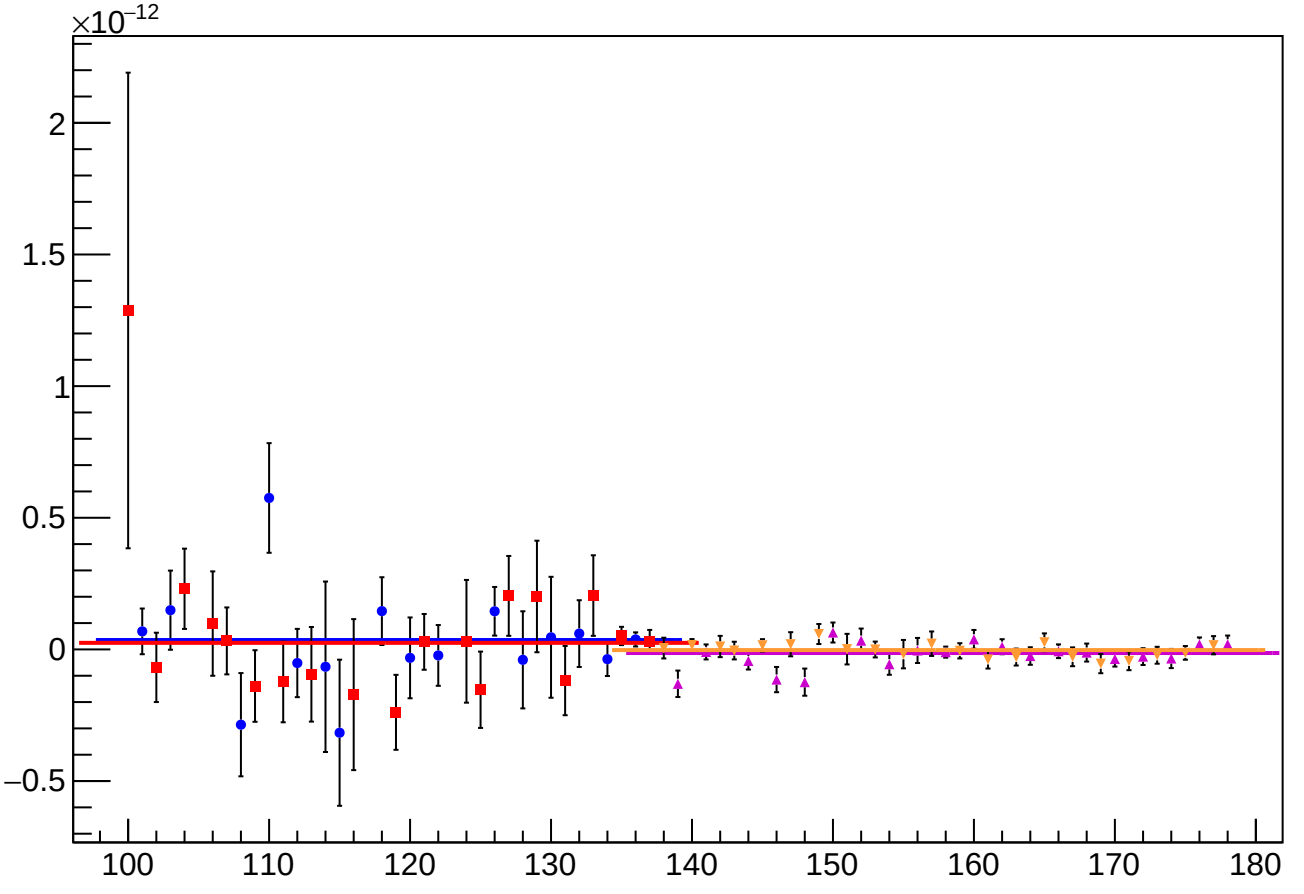
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 78.182+/-0.014 χ^2/NDF:486741.0/19

\+ sign 79.078+/-0.012 χ^2/NDF: 1516230.0/36

All: 79.646+/-0.008 χ^2/NDF: 3083873.8/75

\- sign 80.239+/-0.012 χ^2/NDF: 1562783.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.8/20

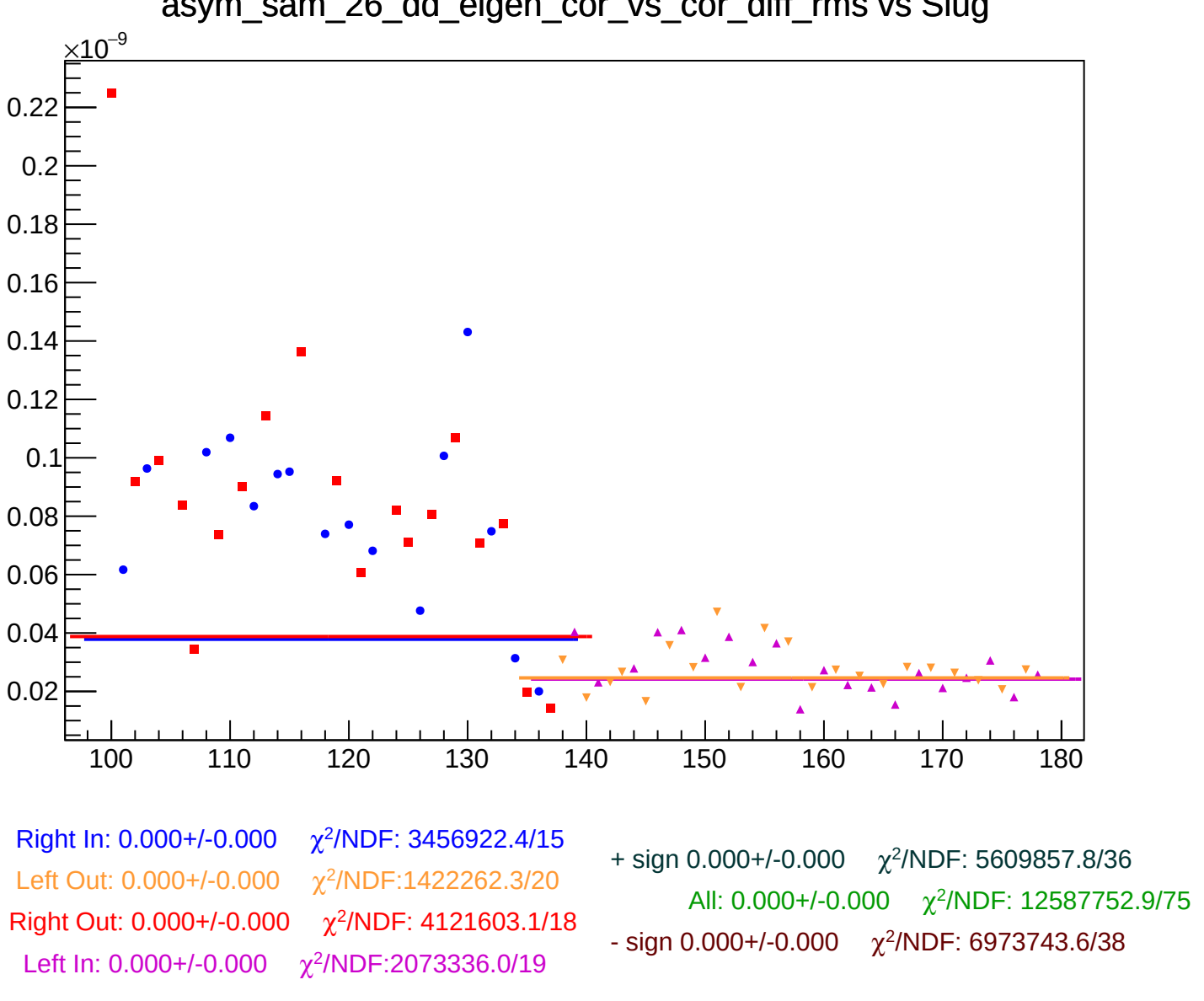
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: -0.000+/-0.000 χ^2/NDF:28.5/19

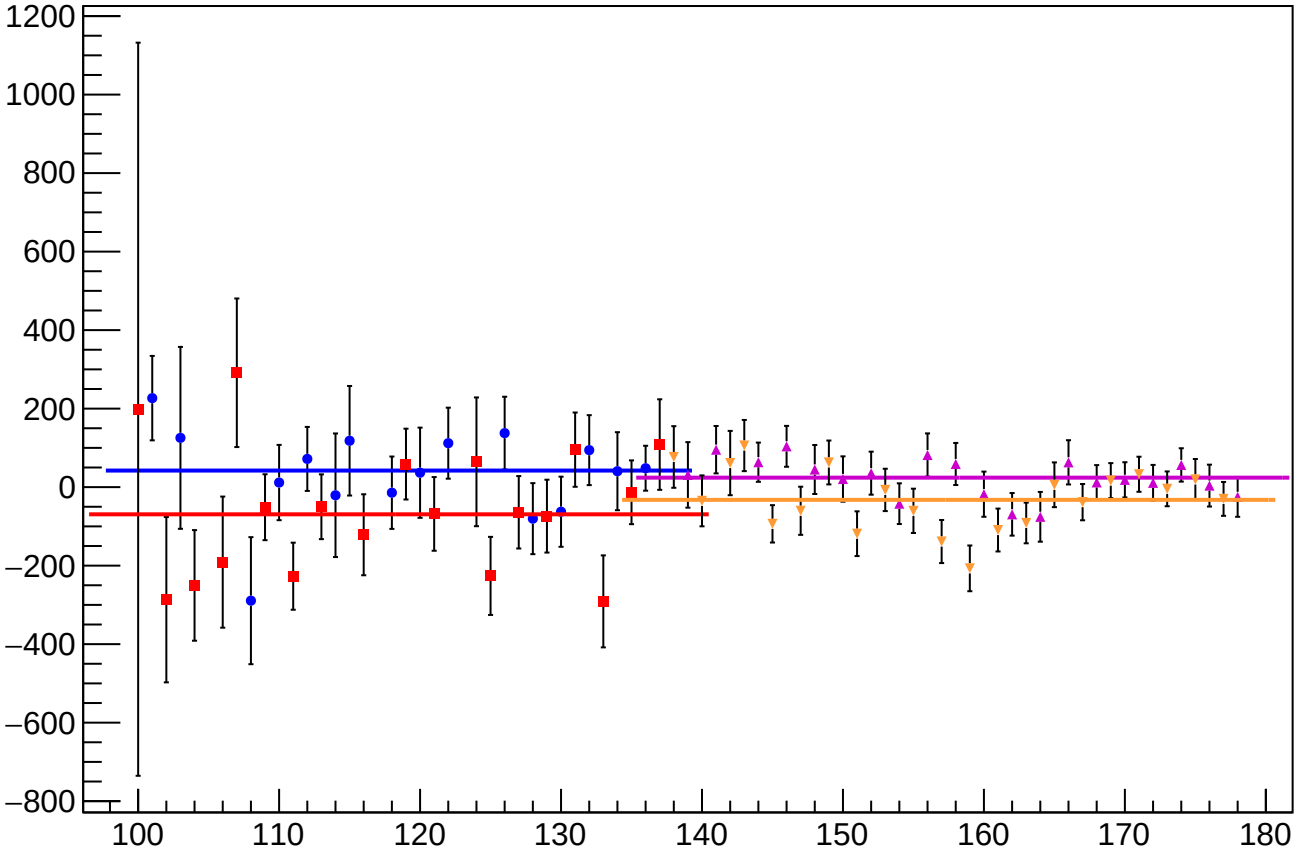
+ sign 0.000+/-0.000 χ^2/NDF: 31.2/36

All: -0.000+/-0.000 χ^2/NDF: 81.7/75

- sign -0.000+/-0.000 χ^2/NDF: 49.1/38


asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3456922.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1422262.3/20
Right Out: 0.000+/-0.000 χ²/NDF: 4121603.1/18
Left In: 0.000+/-0.000 χ²/NDF:2073336.0/19
+ sign 0.000+/-0.000 χ²/NDF: 5609857.8/36
All: 0.000+/-0.000 χ²/NDF: 12587752.9/75
- sign 0.000+/-0.000 χ²/NDF: 6973743.6/38

reg_asym_sam_37_dd_mean vs Slug



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: -32.430+/-11.698 χ^2/NDF:36.5/20

Right Out: -69.249+/-24.418 χ^2/NDF: 25.4/18

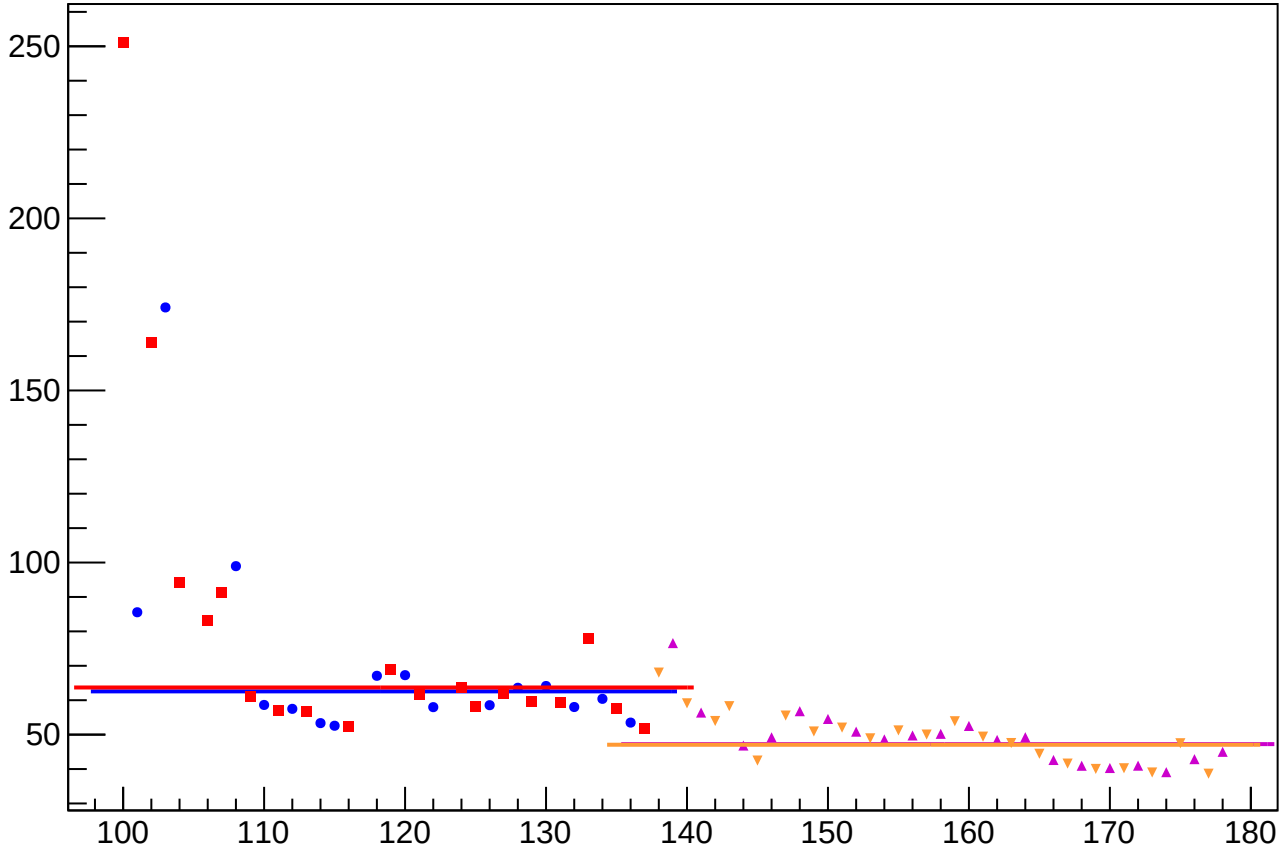
Left In: 24.132+/-11.852 χ^2/NDF:16.0/19

+ sign -18.297+/-10.533 χ^2/NDF: 57.7/36

All: -6.136+/-7.493 χ^2/NDF: 113.6/75

- sign 6.327+/-10.662 χ^2/NDF: 53.2/38

reg_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 47.064+/-0.008 χ^2/NDF:688155.5/20

Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

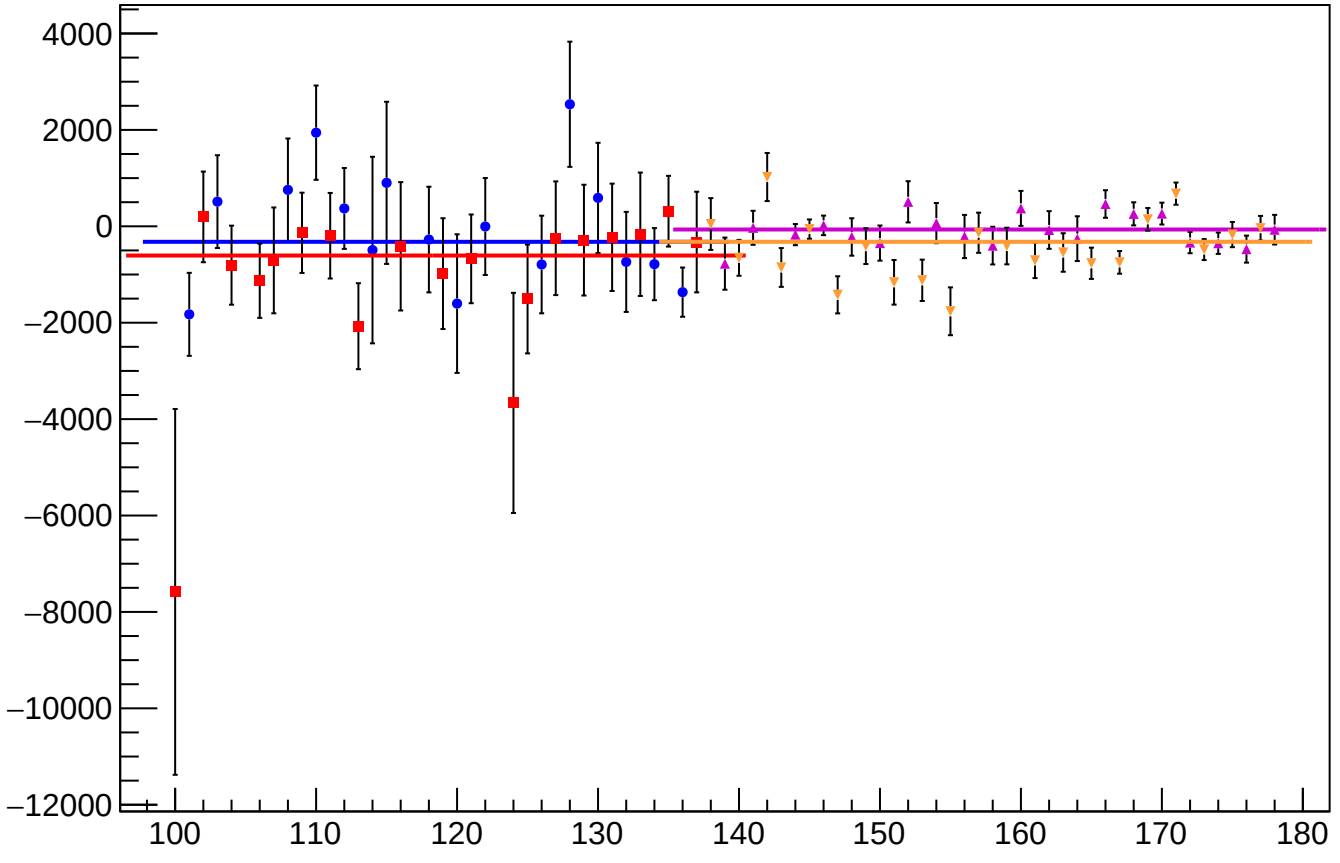
Left In: 47.242+/-0.008 χ^2/NDF:646373.5/19

+ sign 49.999+/-0.007 χ^2/NDF: 2111614.6/36

All: 50.187+/-0.005 χ^2/NDF: 4328762.6/75

- sign 50.380+/-0.008 χ^2/NDF: 2215859.5/38

asym_sam_37_dd_reg_correction_mean vs Slug



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -321.184+/-68.047 χ^2/NDF:67.1/20

Right Out: -605.859+/-233.643 χ^2/NDF: 12.5/18

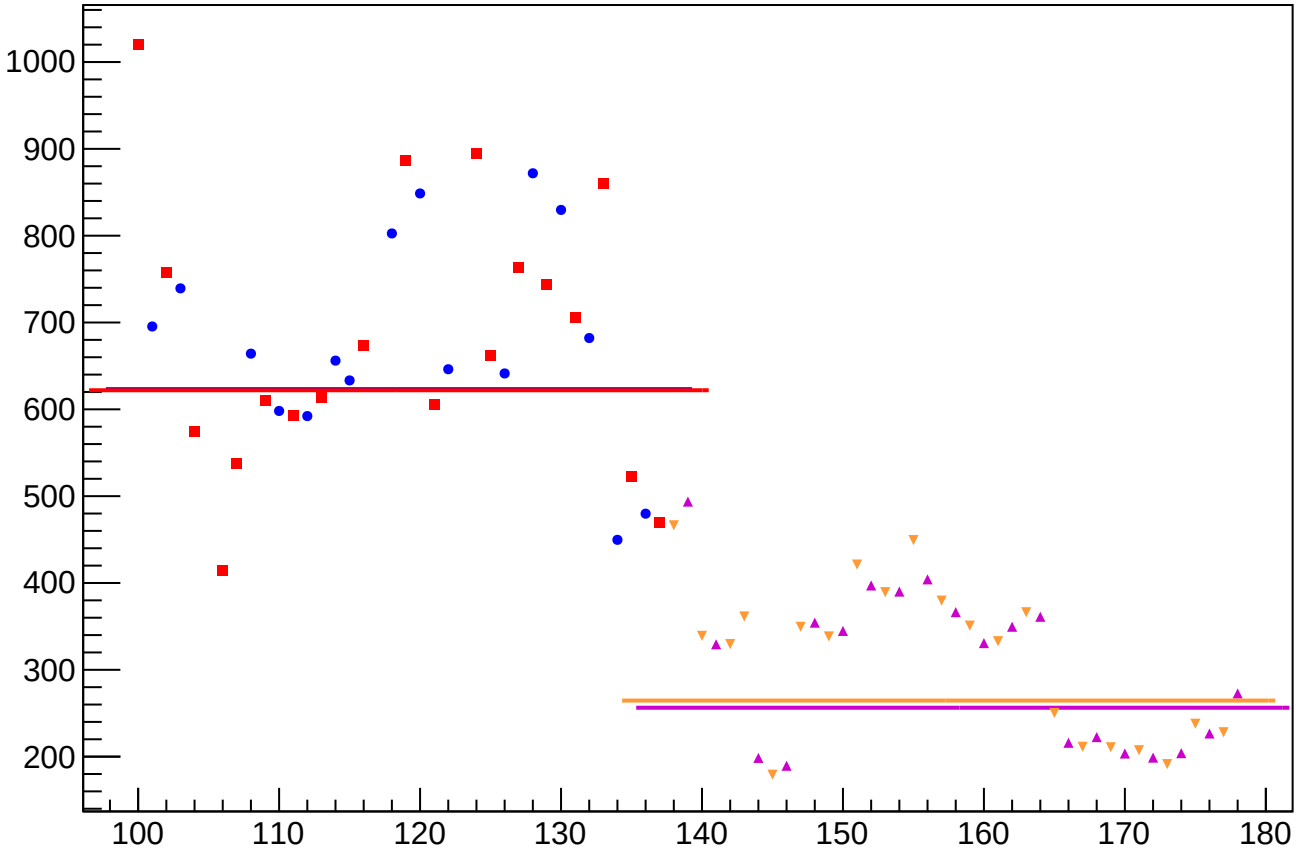
Left In: -66.105+/-66.602 χ^2/NDF:19.9/19

+ sign -321.220+/-65.436 χ^2/NDF: 89.8/36

All: -211.649+/-45.772 χ^2/NDF: 132.7/75

- sign -106.668+/-64.050 χ^2/NDF: 37.3/38

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 264.579+/-0.048 χ^2/NDF:2804797.8/20

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

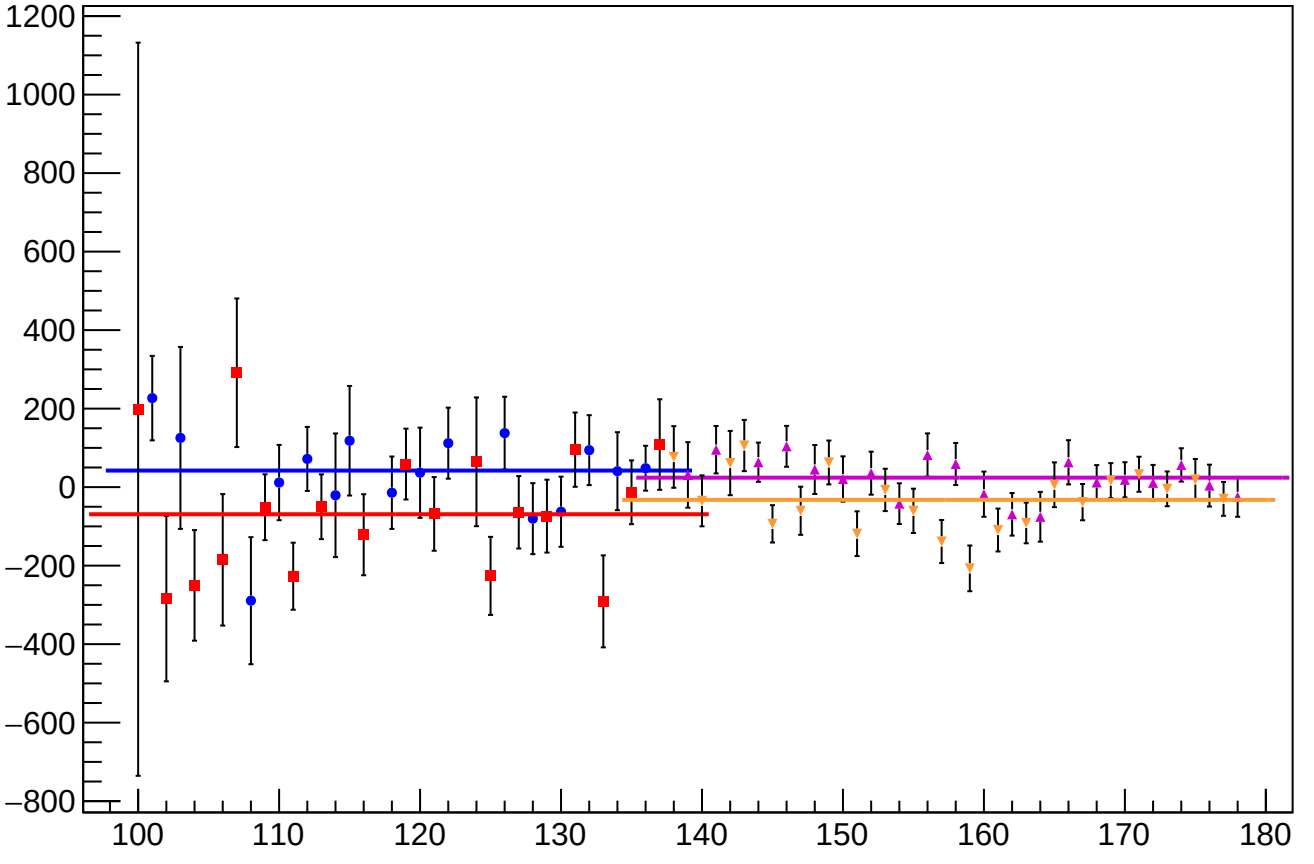
Left In: 256.337+/-0.047 χ^2/NDF:2633715.1/19

+ sign 291.577+/-0.046 χ^2/NDF: 7552001.3/36

All: 287.613+/-0.032 χ^2/NDF: 15312677.0/75

- sign 283.815+/-0.045 χ^2/NDF: 7746304.1/38

cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -32.428+/-11.698 χ^2/NDF:36.5/20

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

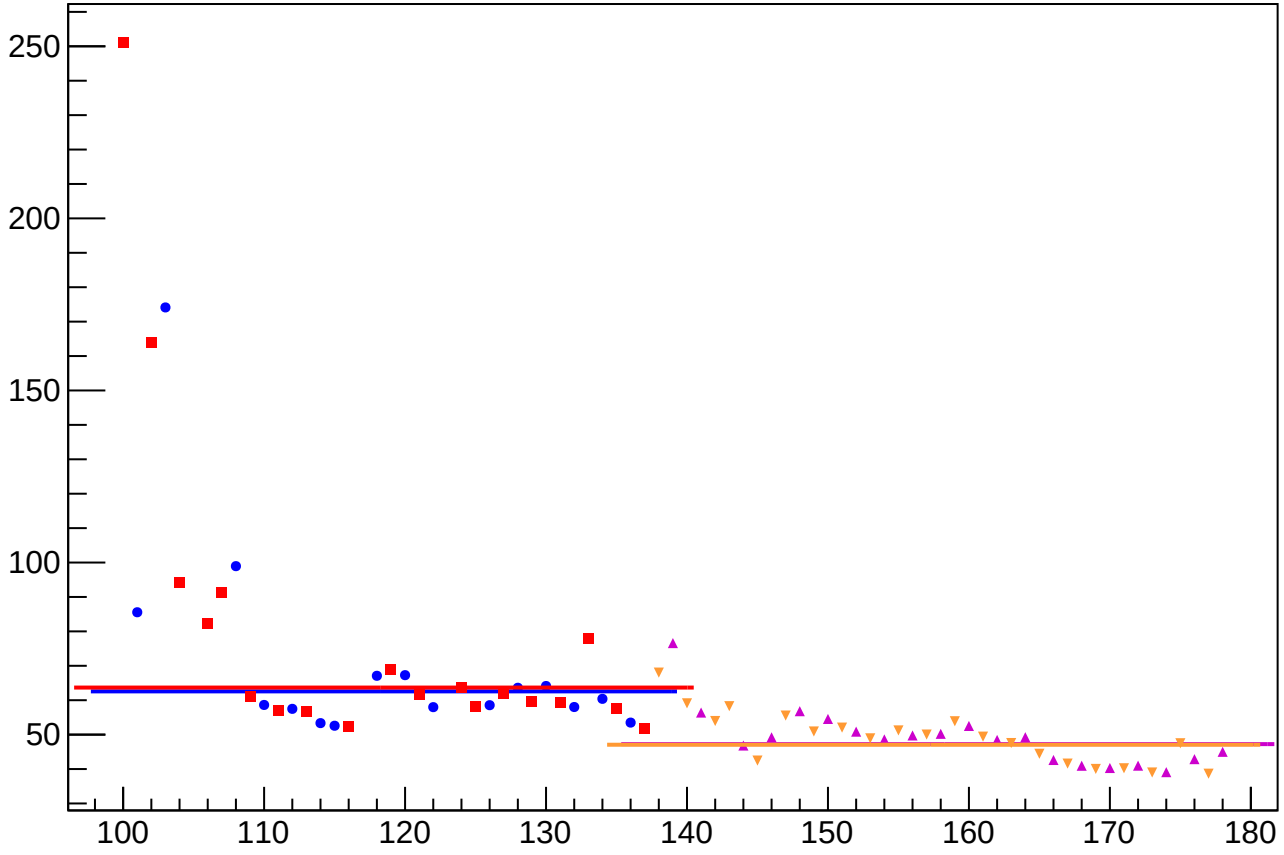
Left In: 24.130+/-11.852 χ^2/NDF:16.0/19

+ sign -18.297+/-10.533 χ^2/NDF: 57.7/36

All: -6.118+/-7.493 χ^2/NDF: 113.5/75

- sign 6.362+/-10.662 χ^2/NDF: 53.0/38

cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 47.064+/-0.008 χ^2/NDF:688155.4/20

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

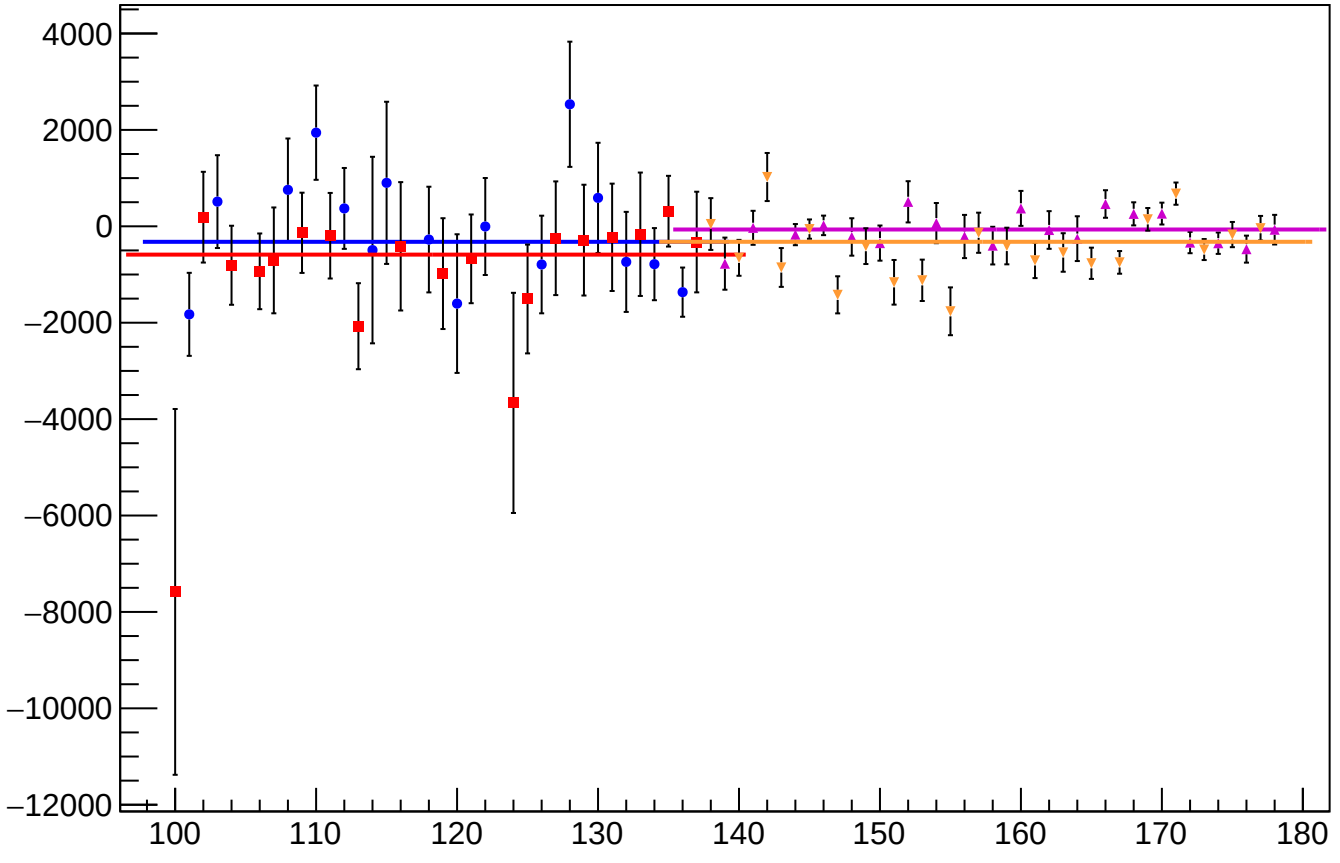
Left In: 47.242+/-0.008 χ^2/NDF:646373.5/19

+ sign 49.999+/-0.007 χ^2/NDF: 2111616.3/36

All: 50.185+/-0.005 χ^2/NDF: 4323755.9/75

- sign 50.375+/-0.008 χ^2/NDF: 2210884.3/38

asym_sam_37_dd_cor_correction_mean vs Slug



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -321.180+/-68.047 χ^2/NDF:67.1/20

Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

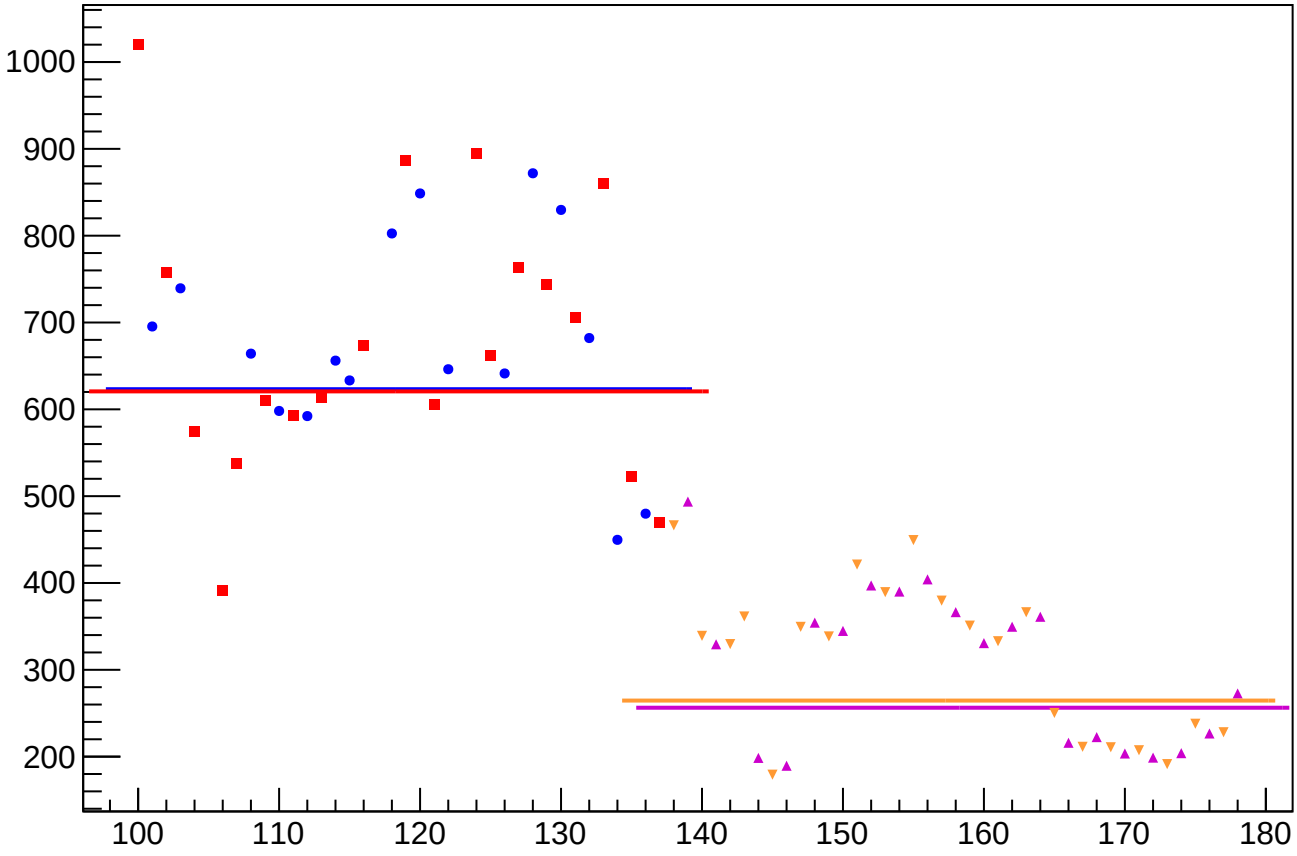
Left In: -66.108+/-66.602 χ^2/NDF:19.9/19

+ sign -321.216+/-65.436 χ^2/NDF: 89.8/36

All: -210.879+/-45.776 χ^2/NDF: 132.1/75

- sign -105.135+/-64.059 χ^2/NDF: 36.7/38

asym_sam_37_dd_cor_correction_rms vs Slug



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 264.579+/-0.048 χ^2/NDF:2804803.0/20

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

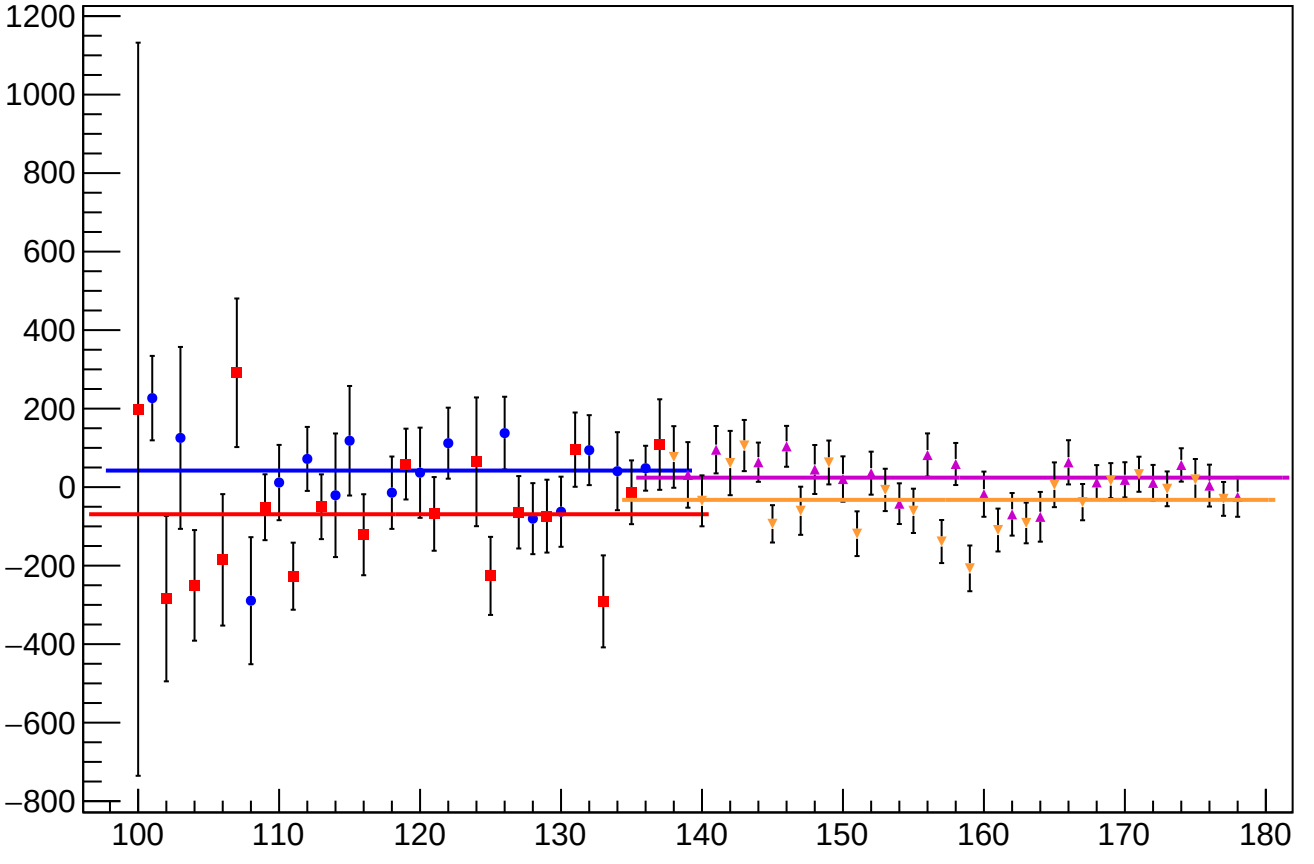
Left In: 256.337+/-0.047 χ^2/NDF:2633710.2/19

+ sign 291.576+/-0.046 χ^2/NDF: 7552062.4/36

All: 287.515+/-0.032 χ^2/NDF: 15293665.1/75

- sign 283.623+/-0.045 χ^2/NDF: 7726513.7/38

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -32.428+/-11.698 χ^2/NDF:36.5/20

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

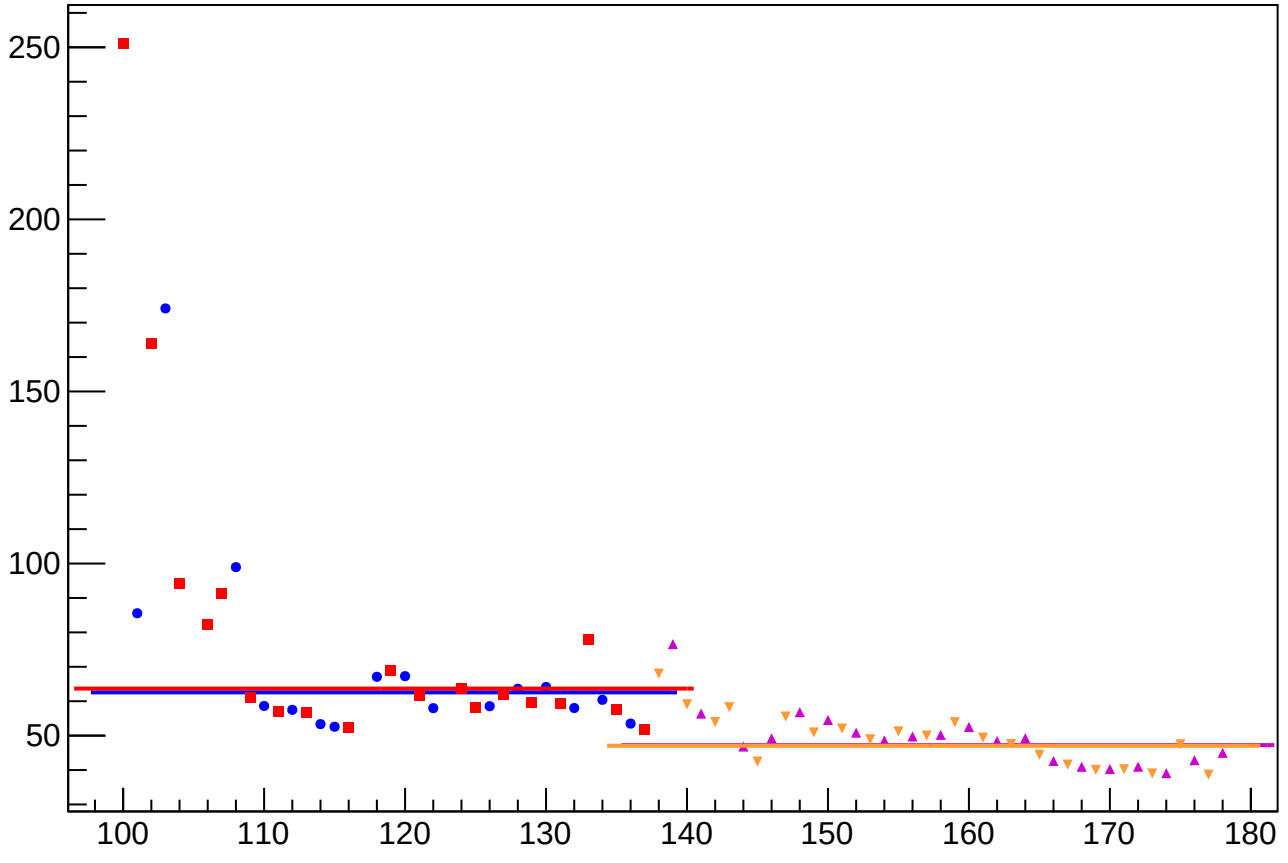
Left In: 24.130+/-11.852 χ^2/NDF:16.0/19

+ sign -18.297+/-10.533 χ^2/NDF: 57.7/36

All: -6.118+/-7.493 χ^2/NDF: 113.5/75

- sign 6.362+/-10.662 χ^2/NDF: 53.0/38

eigen_cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 47.064+/-0.008 χ^2/NDF:688155.4/20

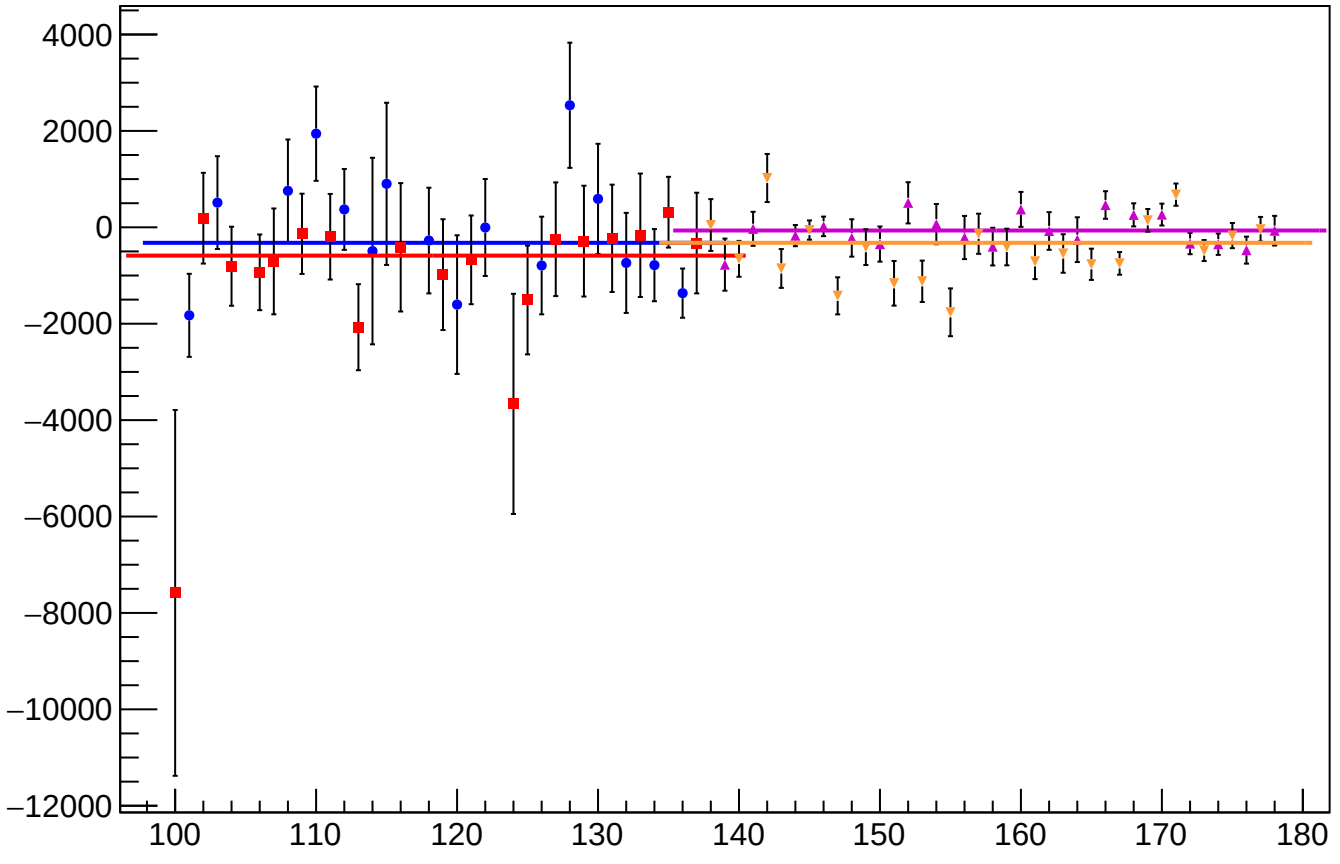
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 47.242+/-0.008 χ^2/NDF:646373.5/19

+ sign 49.999+/-0.007 χ^2/NDF: 2111616.3/36

All: 50.185+/-0.005 χ^2/NDF: 4323755.9/75

- sign 50.375+/-0.008 χ^2/NDF: 2210884.3/38



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -321.180+/-68.047 χ^2/NDF:67.1/20

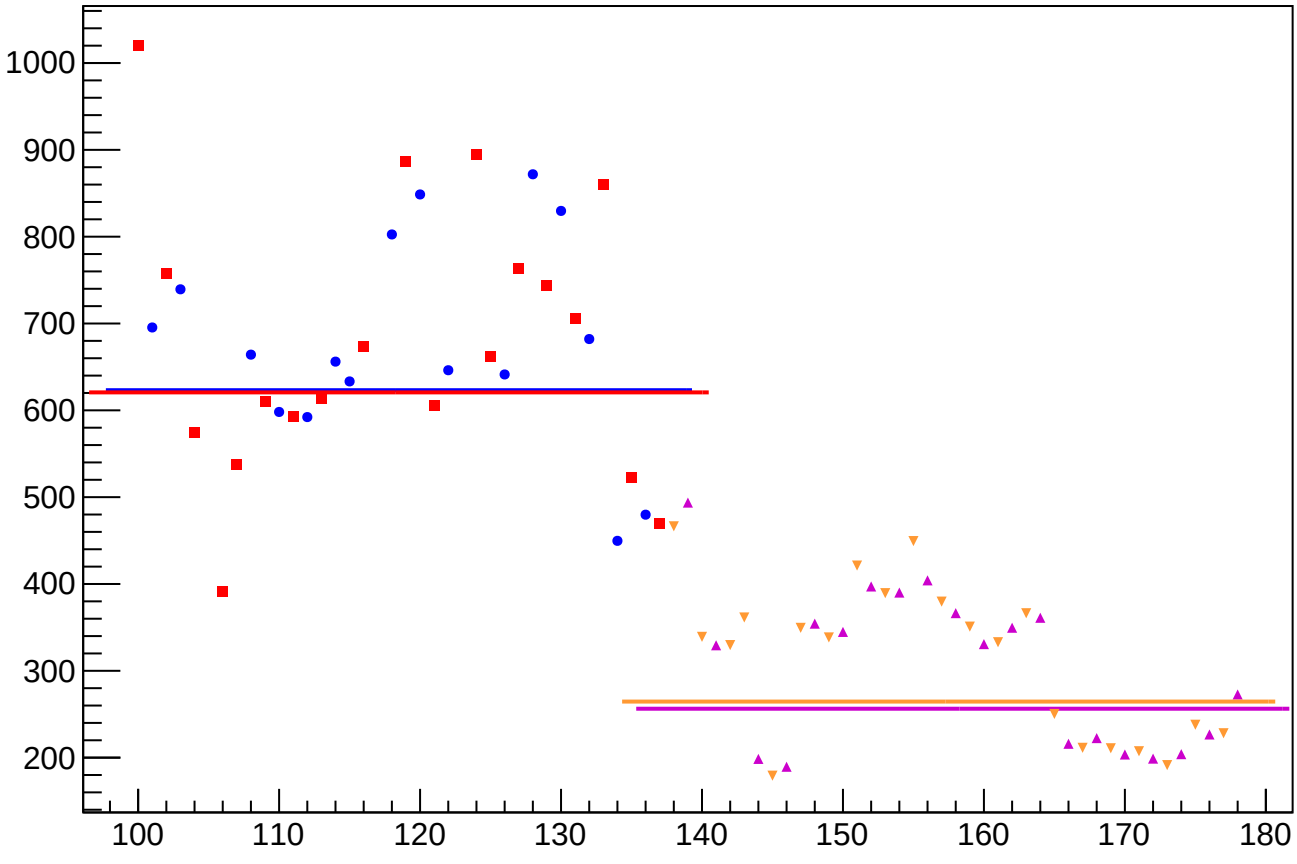
Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: -66.108+/-66.602 χ^2/NDF:19.9/19

+ sign -321.216+/-65.436 χ^2/NDF: 89.8/36

All: -210.879+/-45.776 χ^2/NDF: 132.1/75

- sign -105.135+/-64.059 χ^2/NDF: 36.7/38



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 264.579+/-0.048 χ^2/NDF:2804803.0/20

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

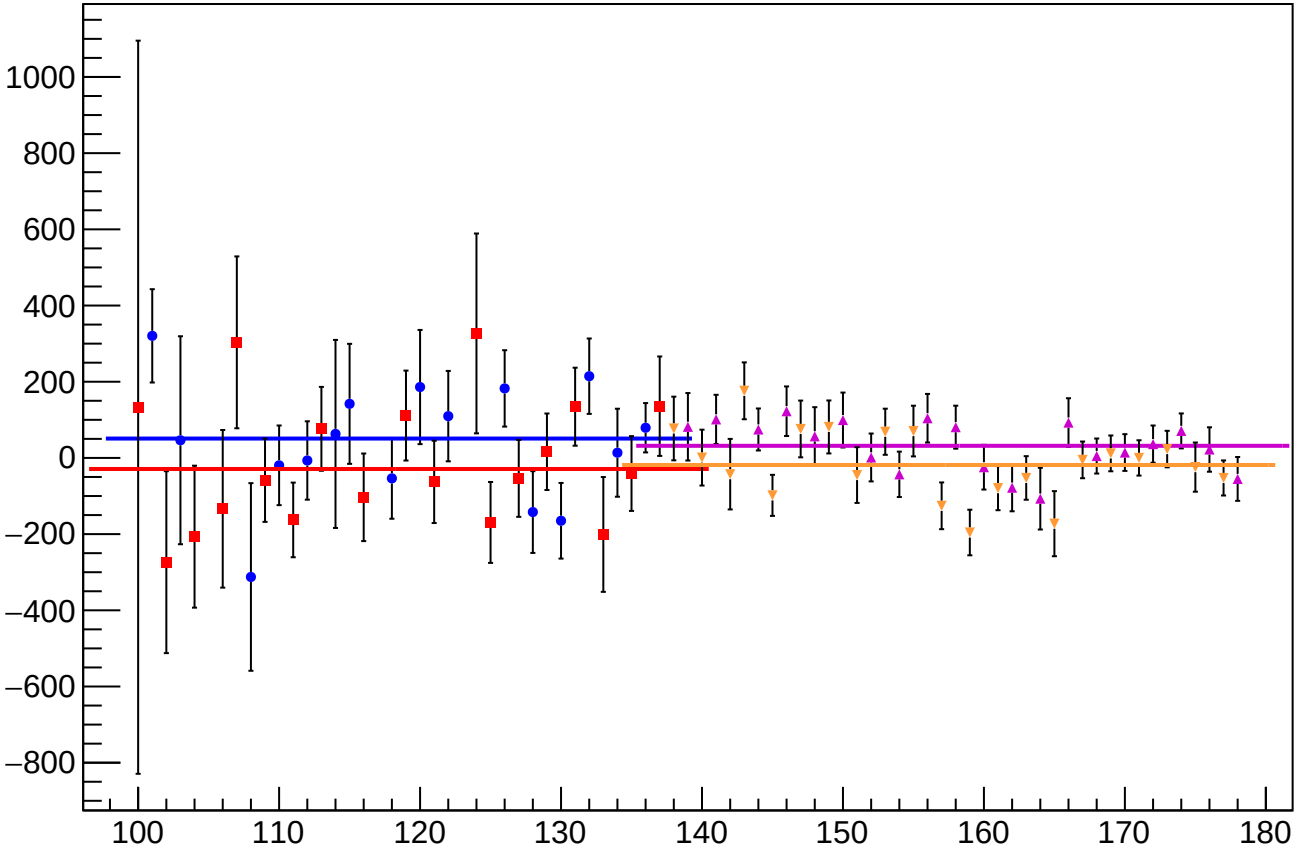
Left In: 256.337+/-0.047 χ^2/NDF:2633710.2/19

+ sign 291.576+/-0.046 χ^2/NDF: 7552062.4/36

All: 287.515+/-0.032 χ^2/NDF: 15293665.1/75

- sign 283.623+/-0.045 χ^2/NDF: 7726513.7/38

dit_asym_sam_37_dd_mean vs Slug



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -18.540+/-13.100 χ^2/NDF:36.6/20

Right Out: -29.040+/-28.910 χ^2/NDF: 18.5/18

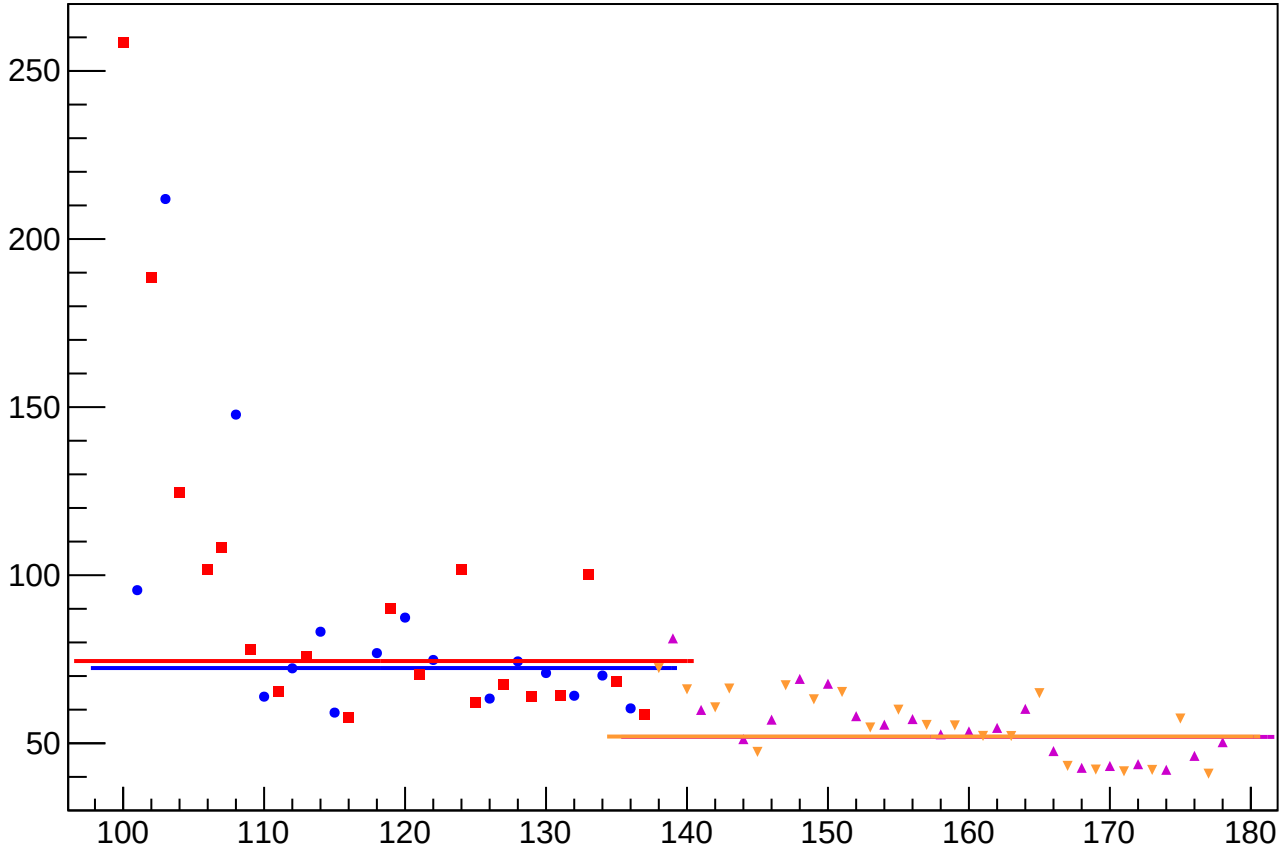
Left In: 31.810+/-13.205 χ^2/NDF:20.3/19

+ sign -6.308+/-11.889 χ^2/NDF: 64.4/36

All: 7.358+/-8.450 χ^2/NDF: 109.6/75

- sign 21.306+/-12.012 χ^2/NDF: 42.5/38

dit_asym_sam_37_dd_rms vs Slug



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 52.004+/-0.009 χ^2/NDF:1056140.6/20

Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

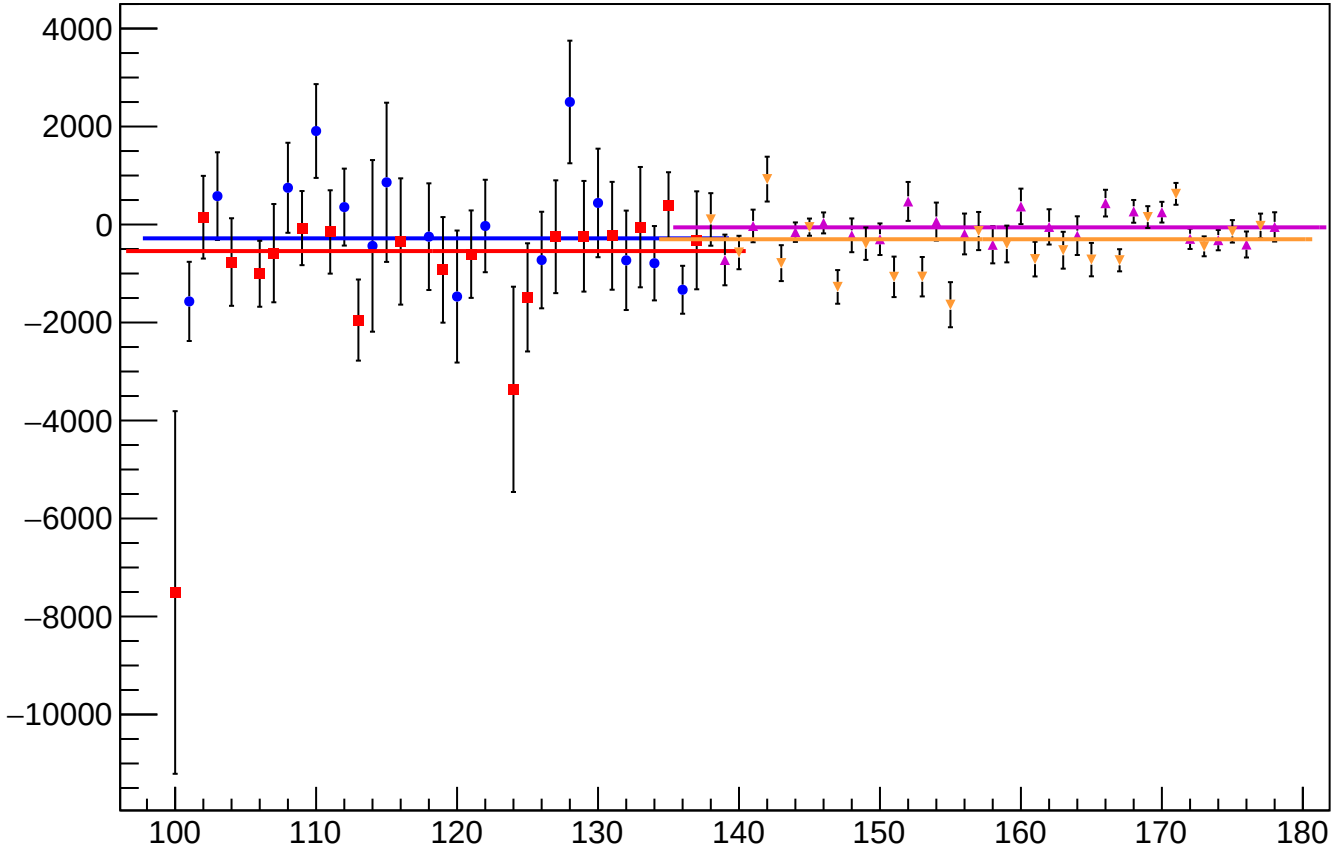
Left In: 51.891+/-0.009 χ^2/NDF:847824.3/19

+ sign 55.596+/-0.008 χ^2/NDF: 2847144.8/36

All: 55.691+/-0.006 χ^2/NDF: 5756293.7/75

- sign 55.788+/-0.008 χ^2/NDF: 2908891.5/38

asym_sam_37_dd_dit_correction_mean vs Slug



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -300.458+/-63.553 χ^2/NDF:66.3/20

Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

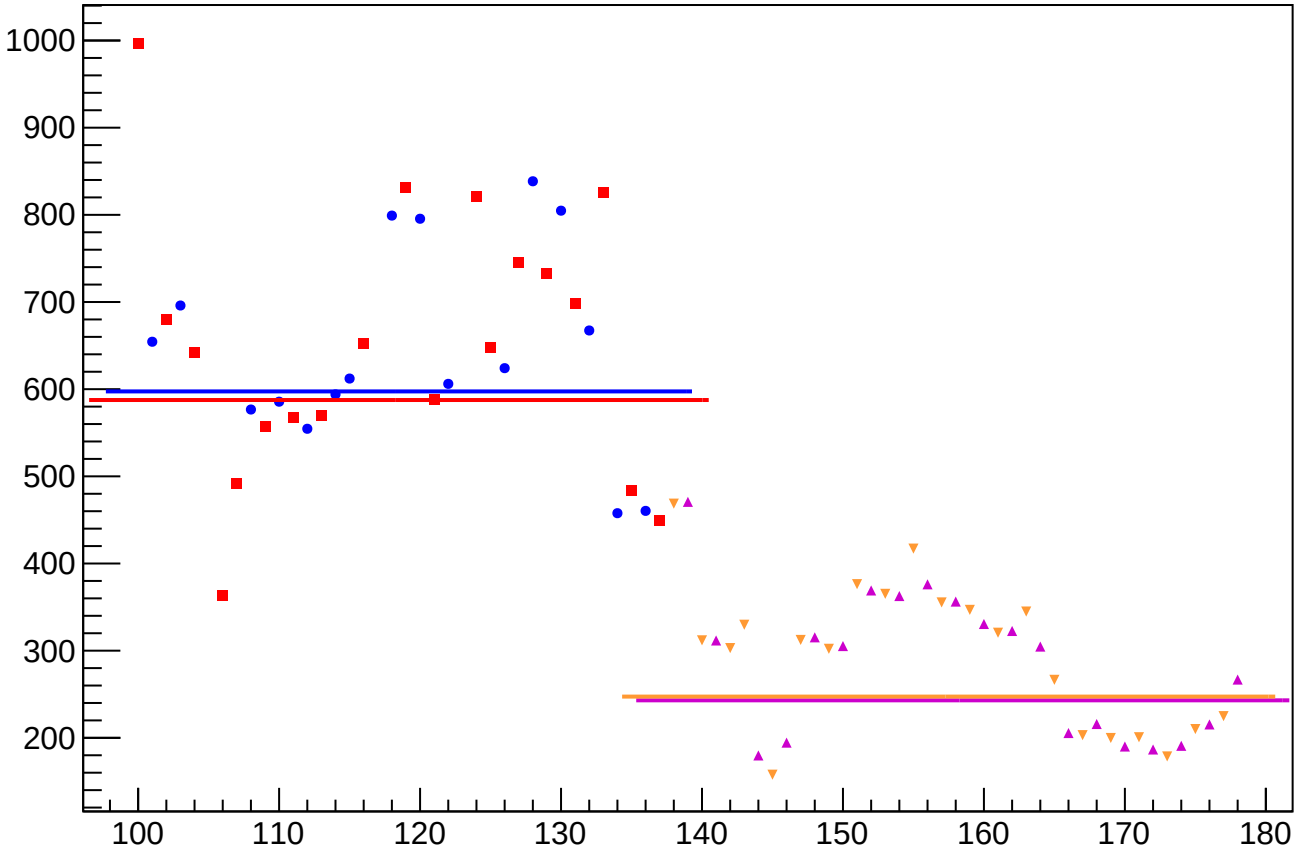
Left In: -57.764+/-63.035 χ^2/NDF:19.3/19

+ sign -299.128+/-61.216 χ^2/NDF: 89.1/36

All: -195.668+/-43.072 χ^2/NDF: 131.8/75

- sign -94.226+/-60.616 χ^2/NDF: 37.0/38

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 247.315+/-0.045 χ^2/NDF:2904236.7/20

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

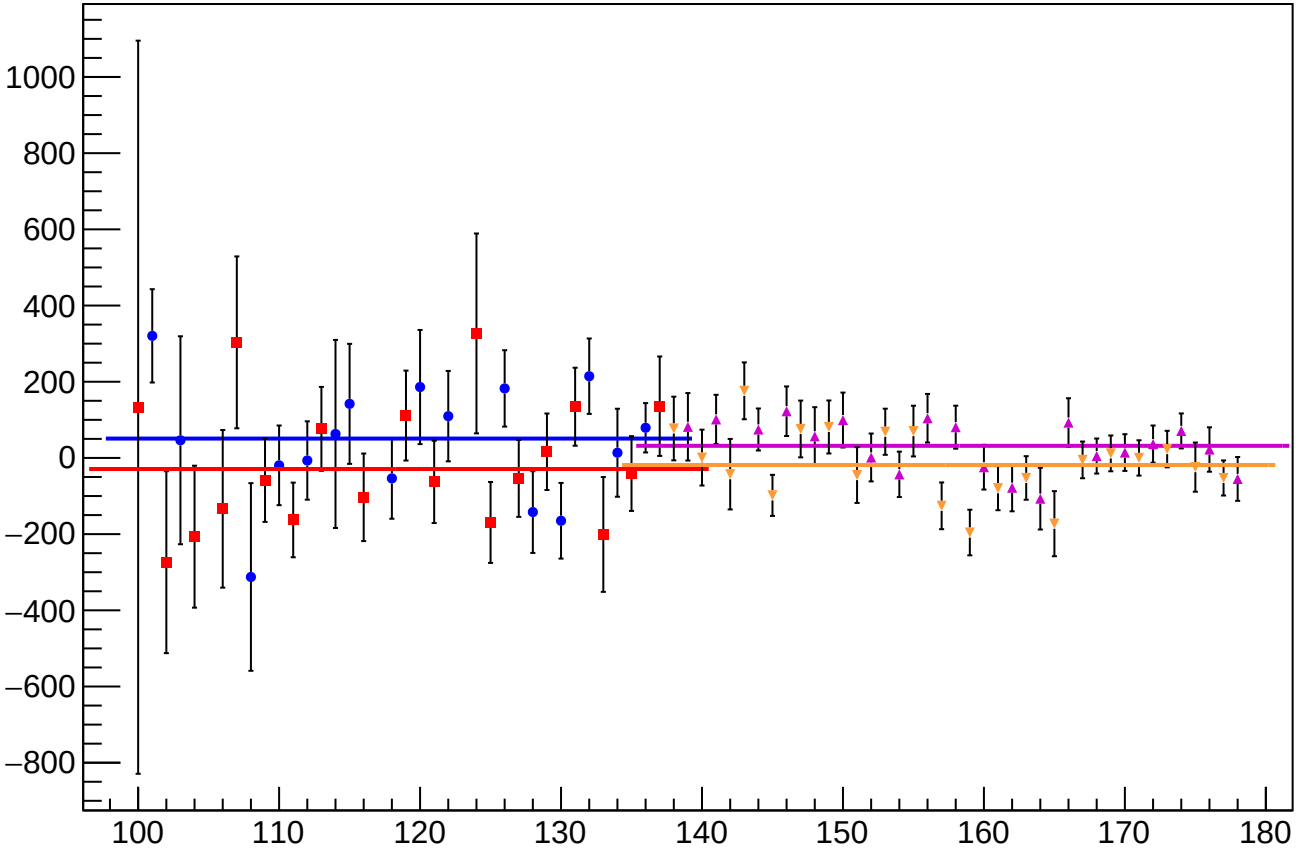
Left In: 243.030+/-0.045 χ^2/NDF:2478249.7/19

+ sign 272.601+/-0.043 χ^2/NDF: 7821822.1/36

All: 270.769+/-0.030 χ^2/NDF: 15491404.4/75

- sign 268.972+/-0.043 χ^2/NDF: 7666033.4/38

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -18.539+/-13.100 χ^2/NDF:36.6/20

Right Out: -29.038+/-28.910 χ^2/NDF: 18.5/18

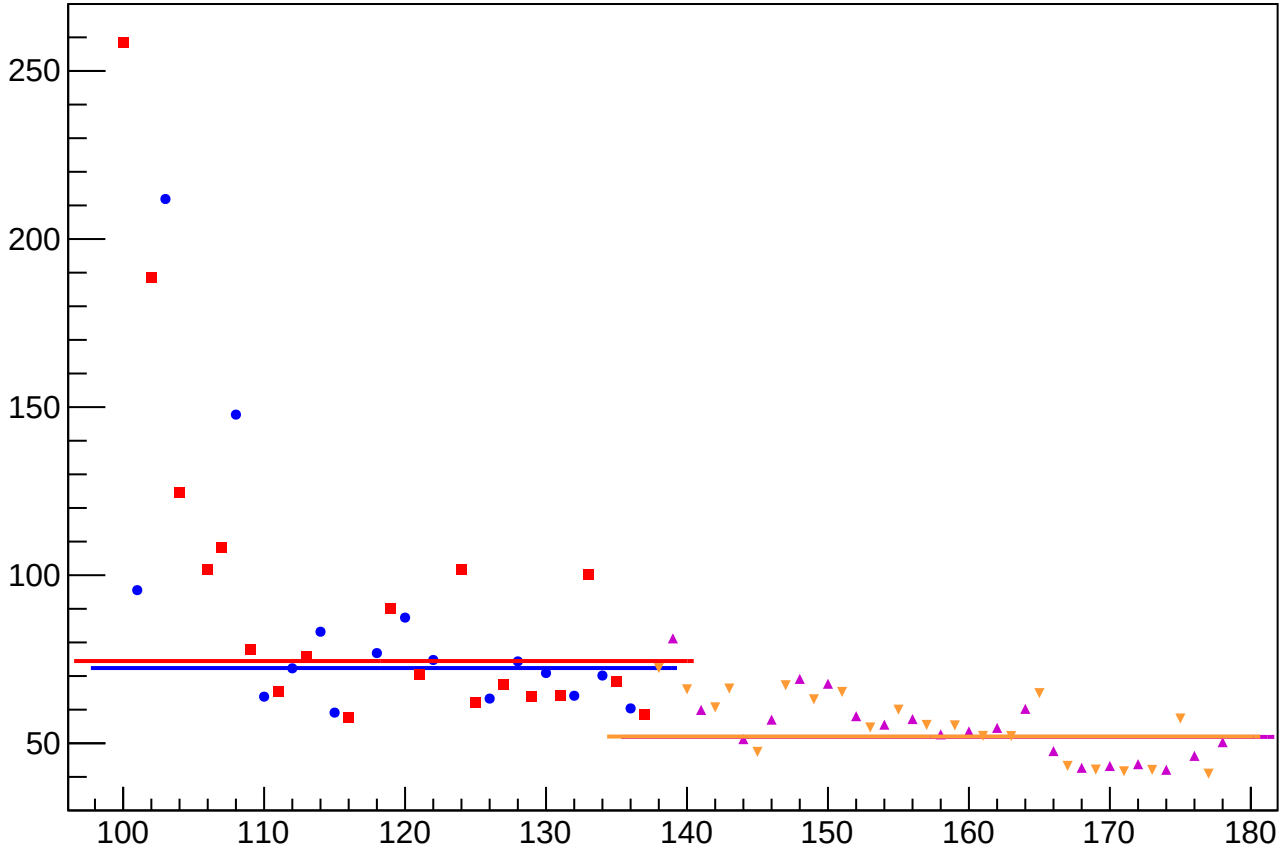
Left In: 31.810+/-13.205 χ^2/NDF:20.3/19

+ sign -6.308+/-11.889 χ^2/NDF: 64.4/36

All: 7.358+/-8.450 χ^2/NDF: 109.6/75

- sign 21.306+/-12.012 χ^2/NDF: 42.5/38

eigen_dit_asym_sam_37_dd_rms vs Slug



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 52.004+/-0.009 χ^2/NDF:1056168.3/20

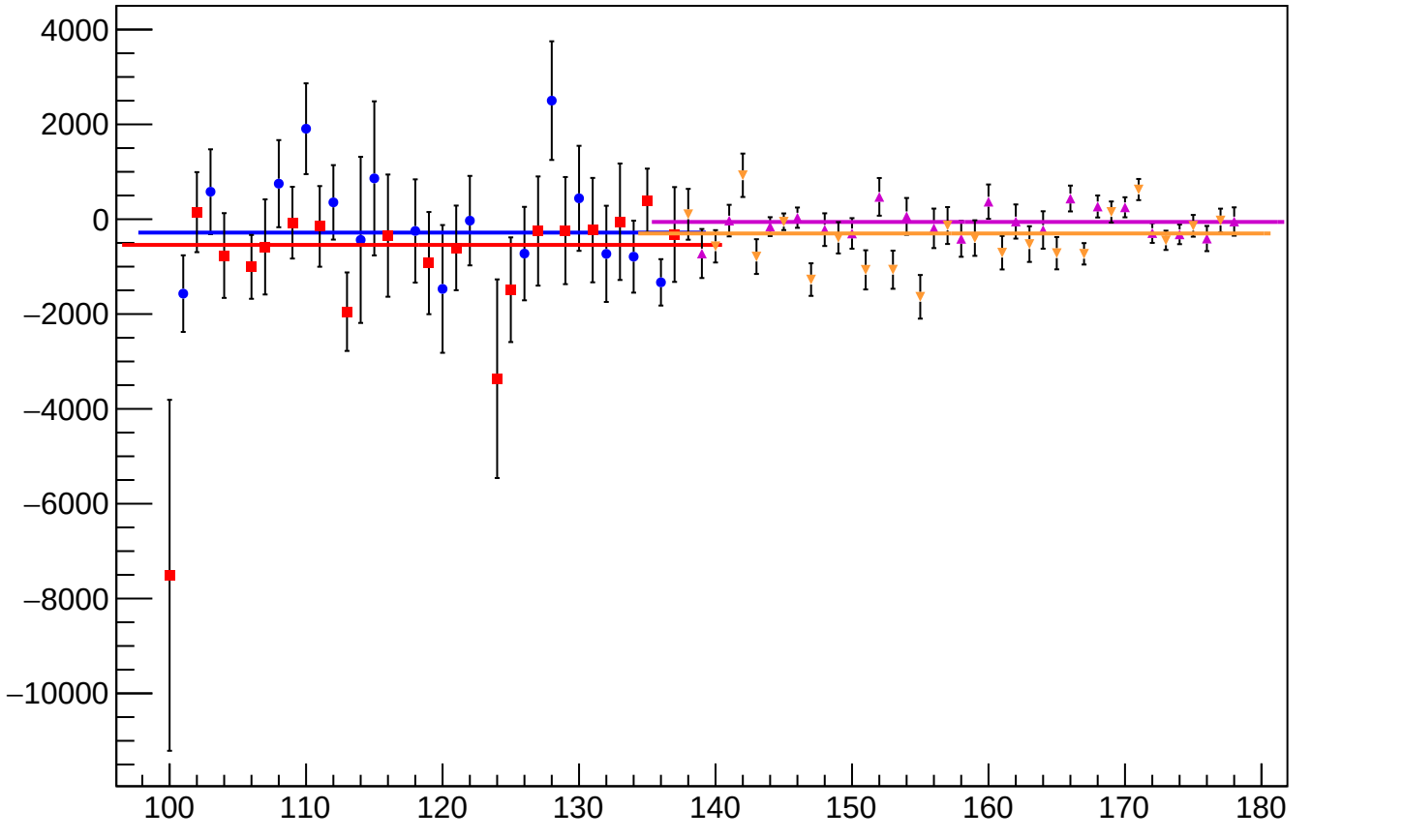
Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 51.891+/-0.009 χ^2/NDF:847834.4/19

+ sign 55.596+/-0.008 χ^2/NDF: 2847161.0/36

All: 55.691+/-0.006 χ^2/NDF: 5756301.5/75

- sign 55.788+/-0.008 χ^2/NDF: 2908883.1/38



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -300.458+/-63.553 χ^2/NDF:66.3/20

Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

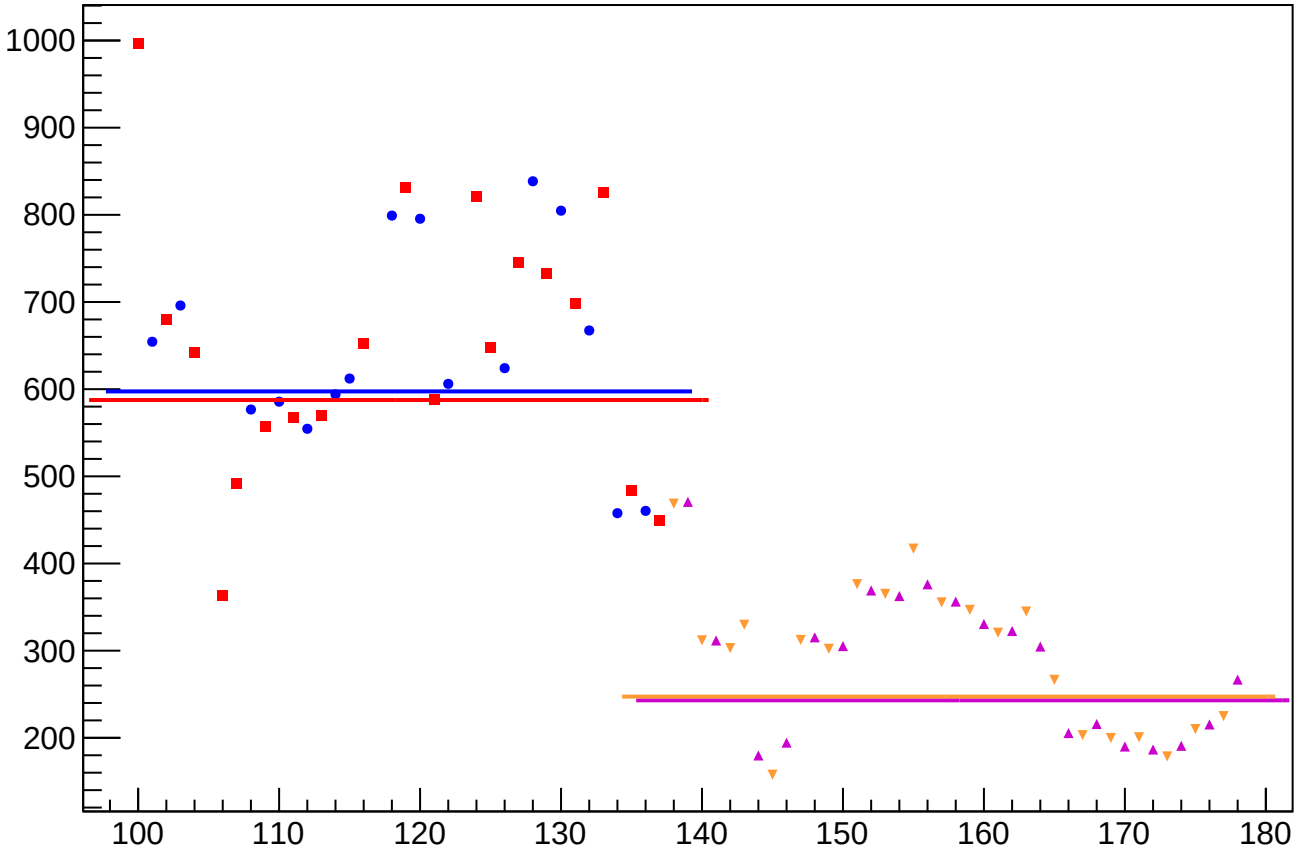
Left In: -57.763+/-63.035 χ^2/NDF:19.3/19

+ sign -299.128+/-61.216 χ^2/NDF: 89.1/36

All: -195.668+/-43.072 χ^2/NDF: 131.8/75

- sign -94.226+/-60.616 χ^2/NDF: 37.0/38

asym_sam_37_dd_eigen_dit_correction_rms vs Slug



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

Left Out: 247.315+/-0.045 χ^2/NDF:2904226.5/20

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

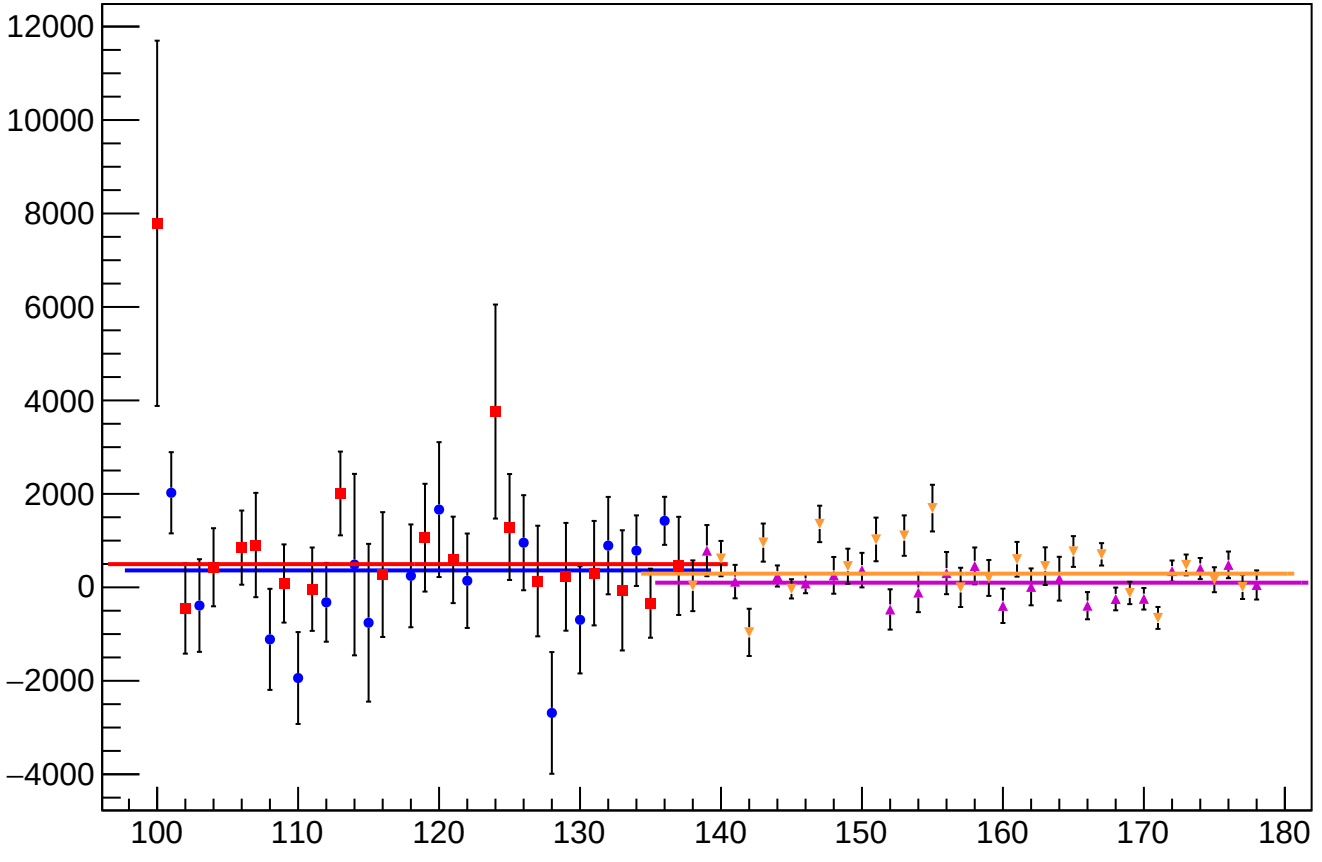
Left In: 243.030+/-0.045 χ^2/NDF:2478243.1/19

+ sign 272.601+/-0.043 χ^2/NDF: 7821818.0/36

All: 270.768+/-0.030 χ^2/NDF: 15491395.1/75

- sign 268.972+/-0.043 χ^2/NDF: 7666028.0/38

asym_sam_37_dd_mean vs Slug



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 293.346+/-69.205 χ^2/NDF:61.7/20

Right Out: 496.639+/-236.029 χ^2/NDF: 12.7/18

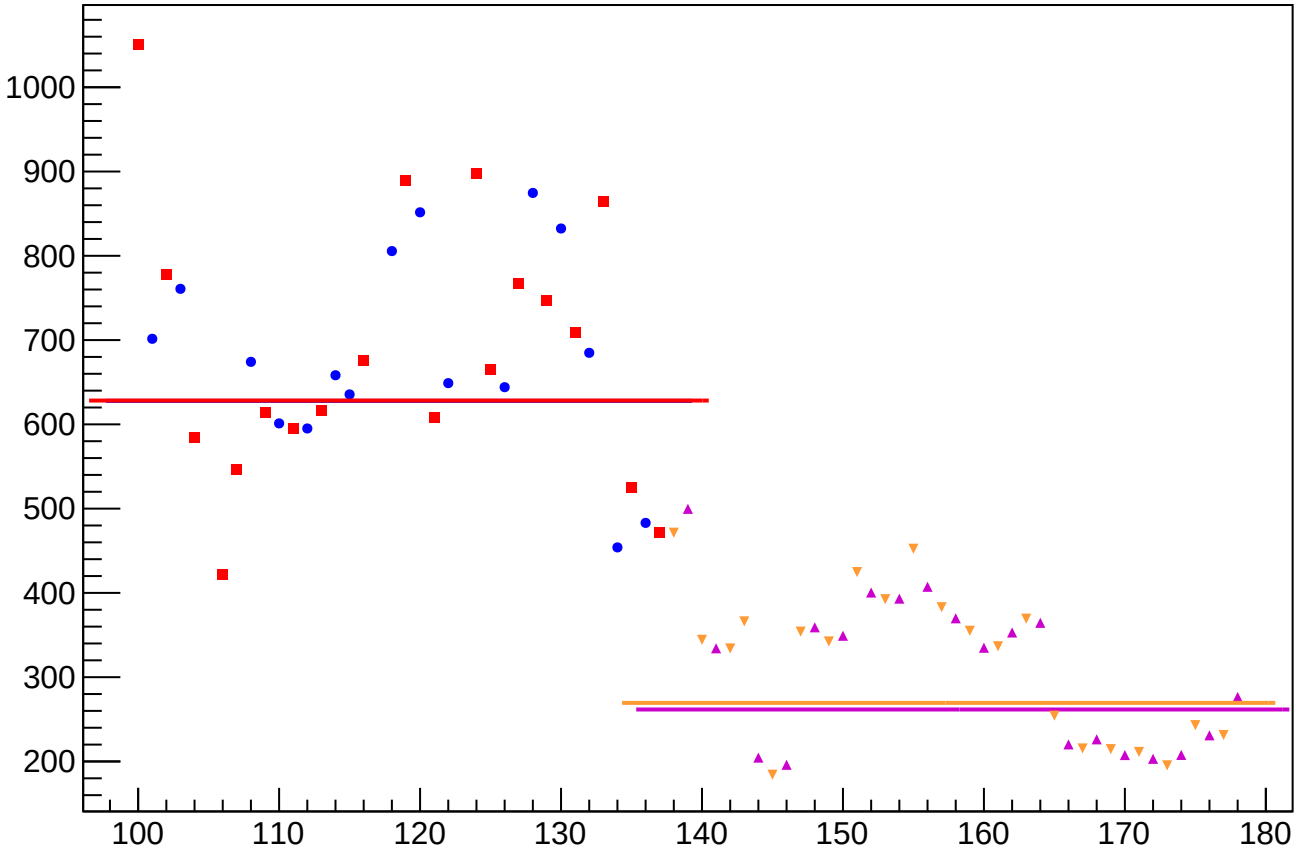
Left In: 99.630+/-67.855 χ^2/NDF:19.5/19

+ sign 298.633+/-66.502 χ^2/NDF: 86.8/36

All: 212.636+/-46.562 χ^2/NDF: 124.9/75

- sign 129.938+/-65.214 χ^2/NDF: 34.8/38

asym_sam_37_dd_rms vs Slug



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 269.497+/-0.049 χ^2/NDF:2715834.3/20

Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

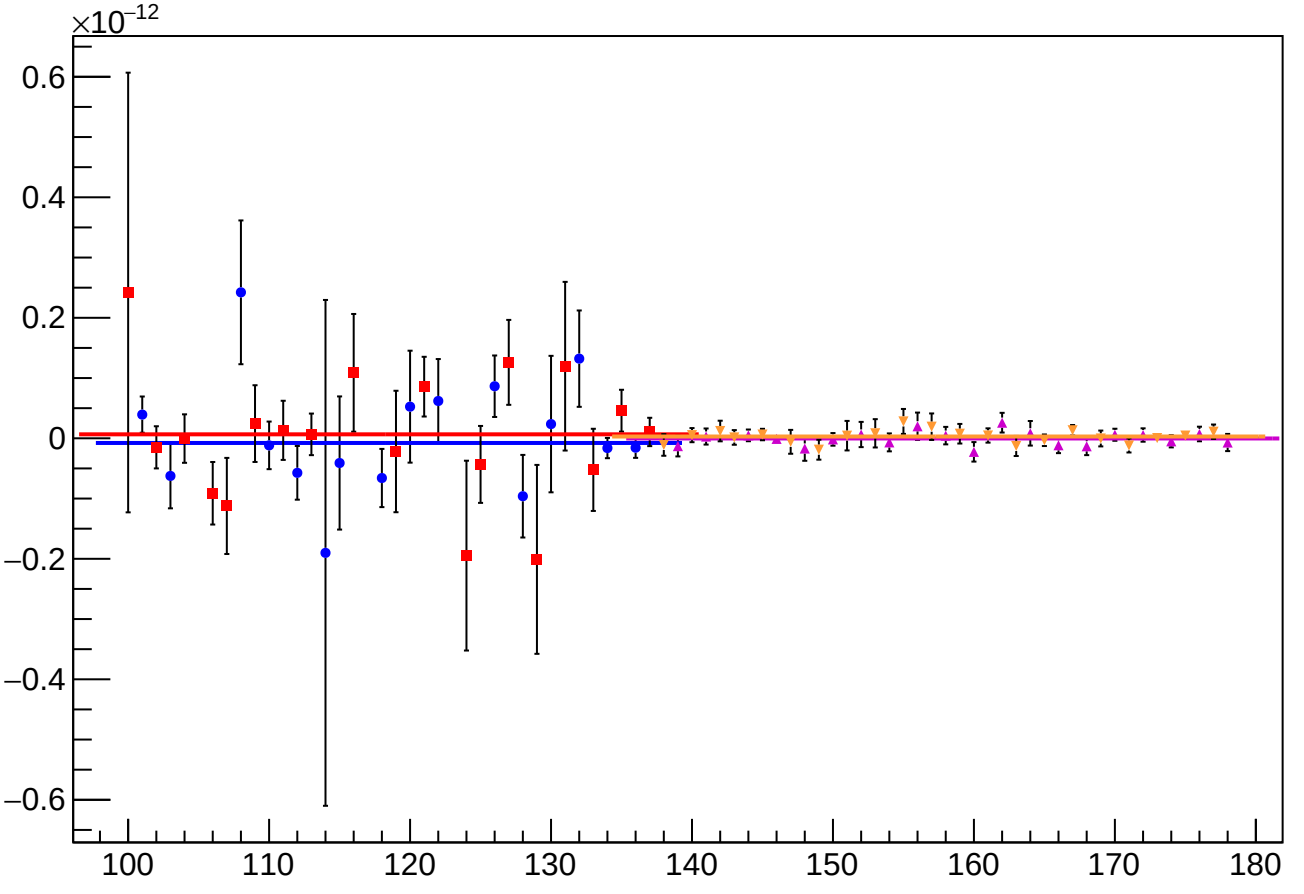
Left In: 261.658+/-0.048 χ^2/NDF:2532245.5/19

+ sign 296.945+/-0.047 χ^2/NDF: 7390742.8/36

All: 293.223+/-0.033 χ^2/NDF: 14962595.7/75

- sign 289.643+/-0.046 χ^2/NDF: 7559562.5/38

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:10.2/20

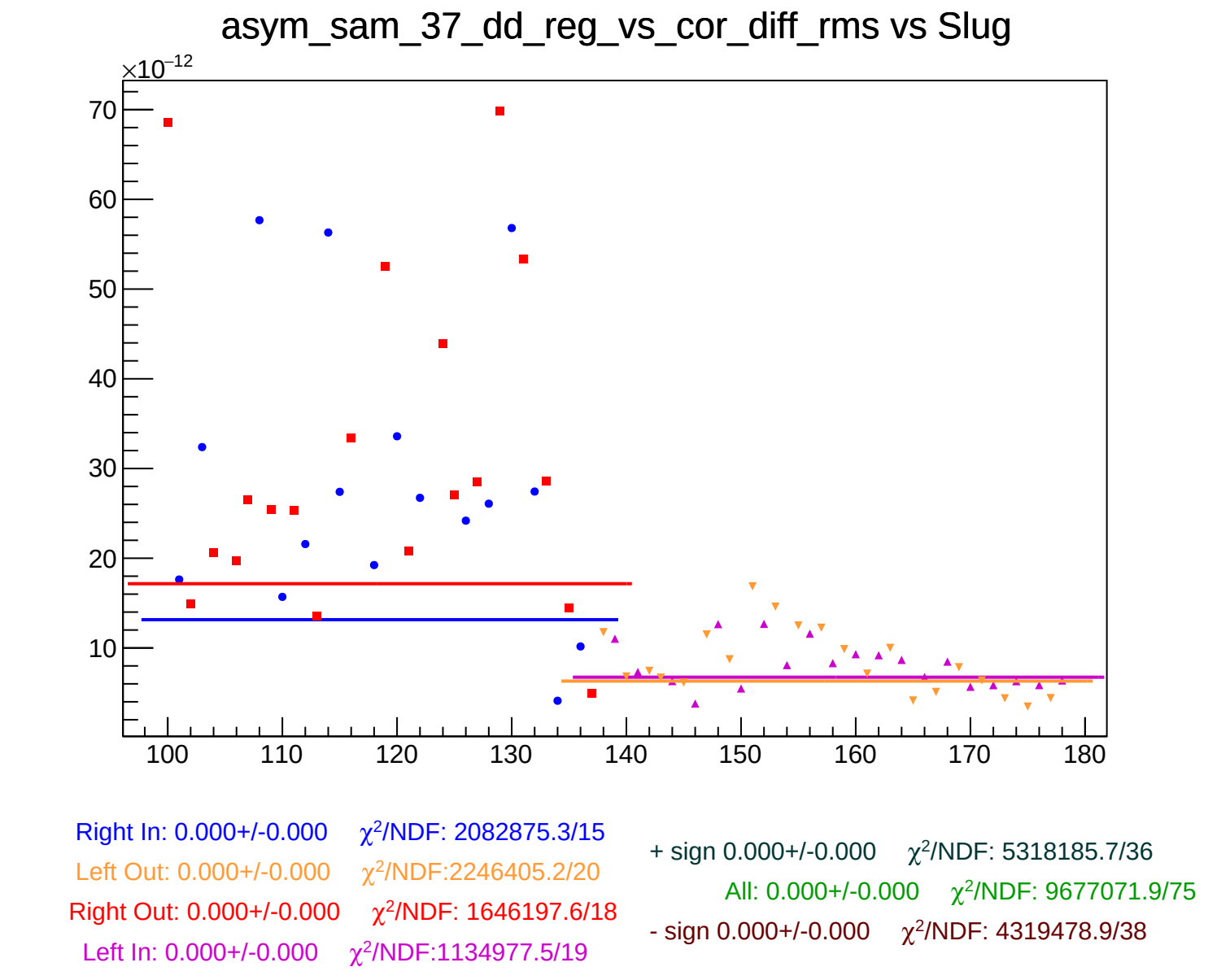
Right Out: 0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: -0.000+/-0.000 χ^2/NDF:10.4/19

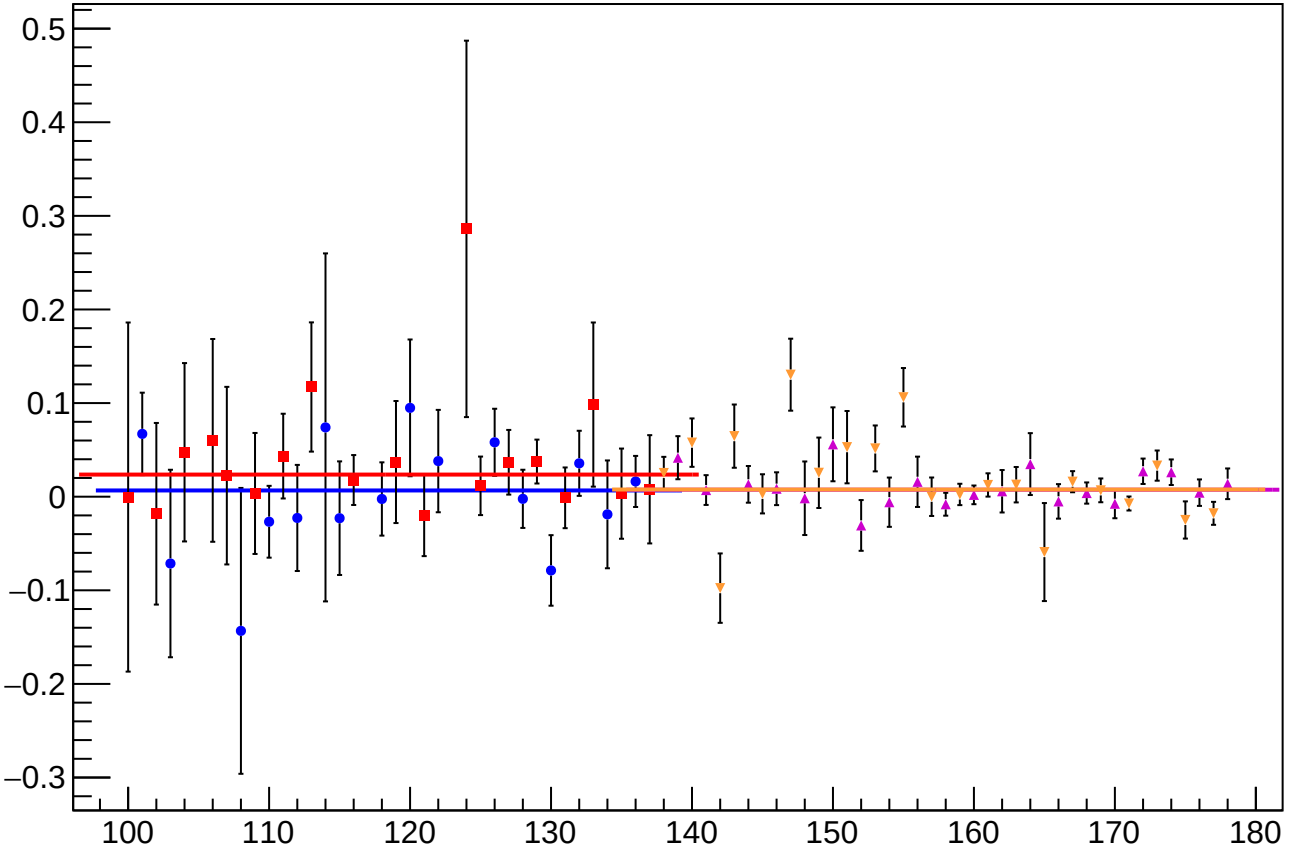
+ sign 0.000+/-0.000 χ^2/NDF: 32.4/36

All: 0.000+/-0.000 χ^2/NDF: 63.4/75

- sign 0.000+/-0.000 χ^2/NDF: 30.7/38


asym_sam_37_dd_reg_vs_cor_diff_rms vs Slug
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2082875.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2246405.2/20
Right Out: 0.000+/-0.000 χ²/NDF: 1646197.6/18
Left In: 0.000+/-0.000 χ²/NDF:1134977.5/19
+ sign 0.000+/-0.000 χ²/NDF: 5318185.7/36
All: 0.000+/-0.000 χ²/NDF: 9677071.9/75
- sign 0.000+/-0.000 χ²/NDF: 4319478.9/38

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: 0.008+/-0.004 χ^2/NDF:56.9/20

Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

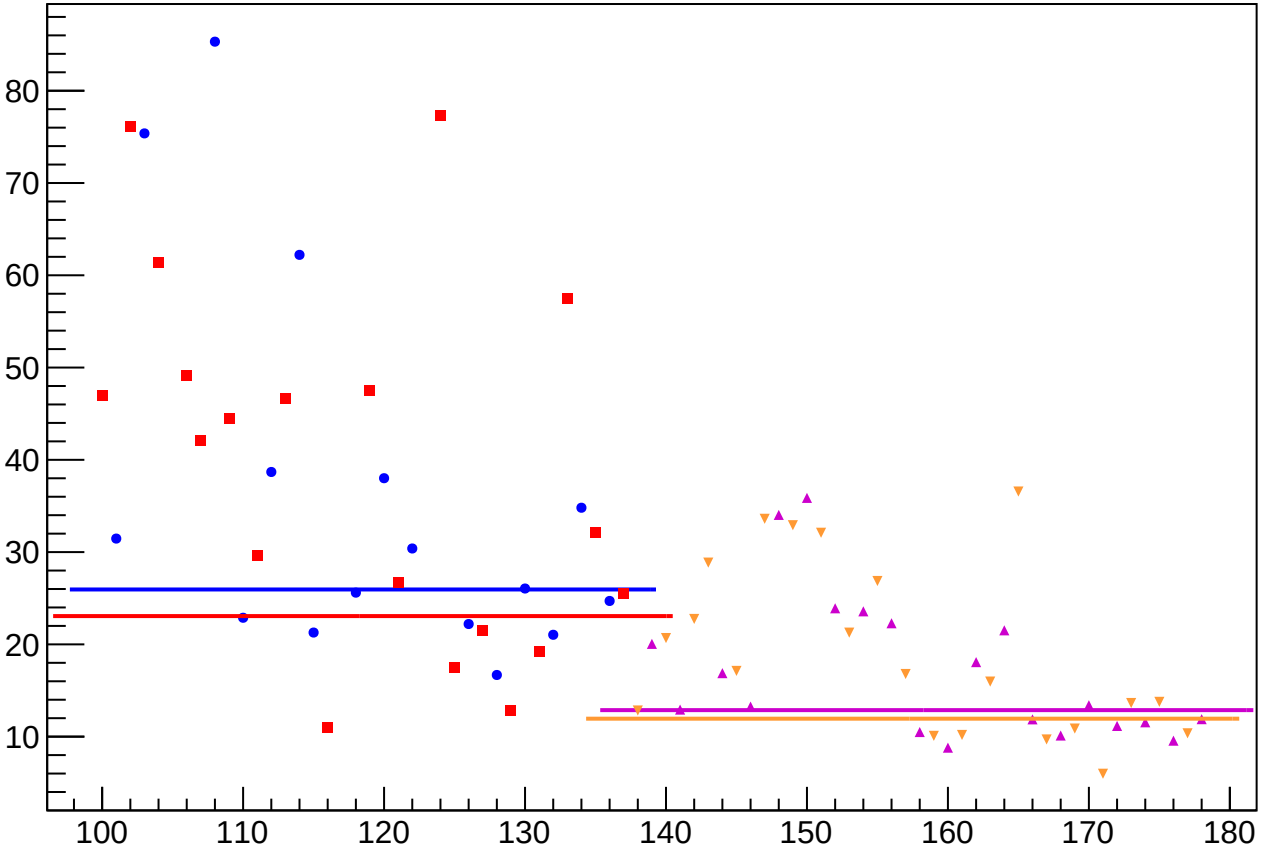
Left In: 0.007+/-0.004 χ^2/NDF:14.5/19

+ sign 0.008+/-0.003 χ^2/NDF: 72.0/36

All: 0.008+/-0.002 χ^2/NDF: 96.2/75

- sign 0.009+/-0.004 χ^2/NDF: 24.1/38

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: 11.946+/-0.003 χ^2/NDF:5749351.1/20

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

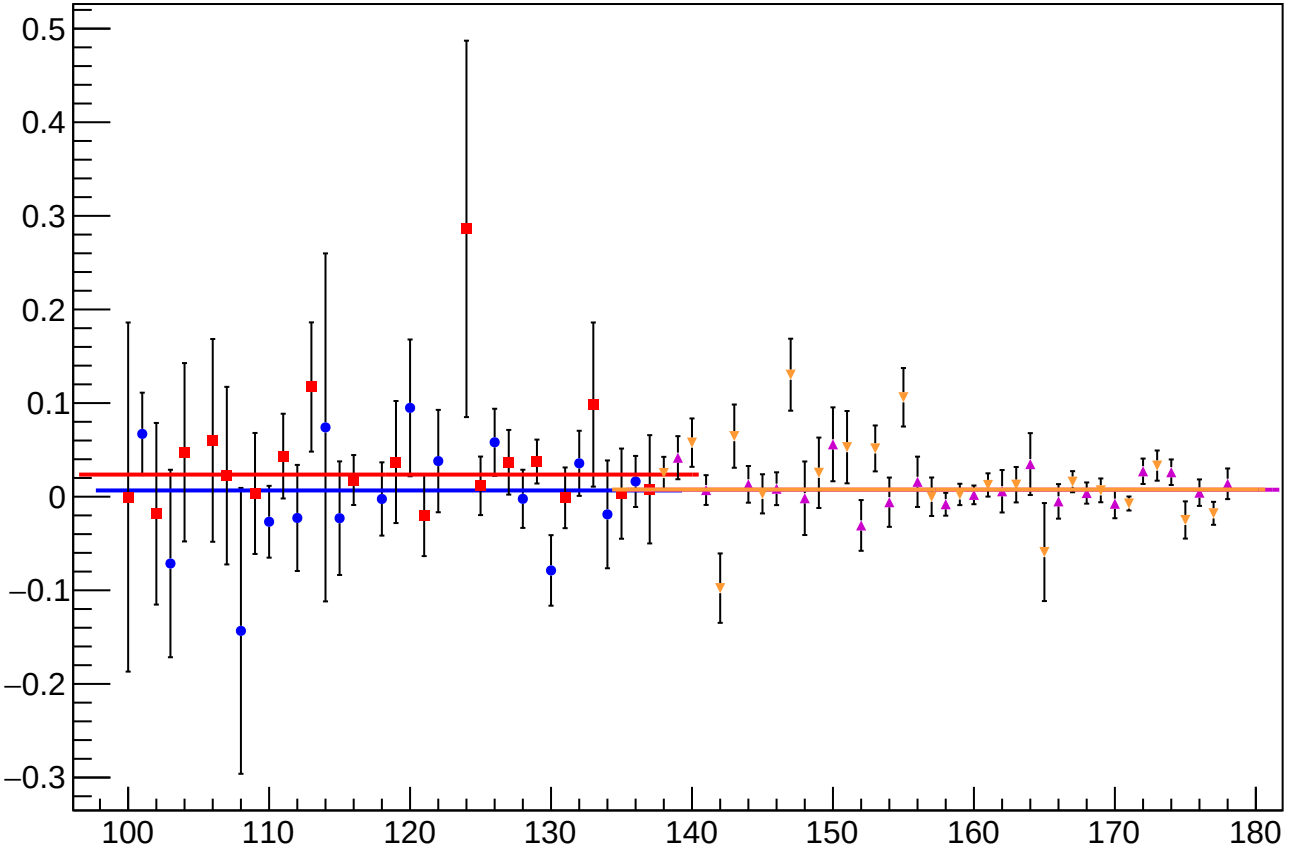
Left In: 12.873+/-0.003 χ^2/NDF:3390414.2/19

+ sign 13.264+/-0.002 χ^2/NDF: 10014392.0/36

All: 13.631+/-0.002 χ^2/NDF: 18484581.3/75

- sign 14.025+/-0.002 χ^2/NDF: 8422140.3/38

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: 0.008+/-0.004 χ^2/NDF:56.9/20

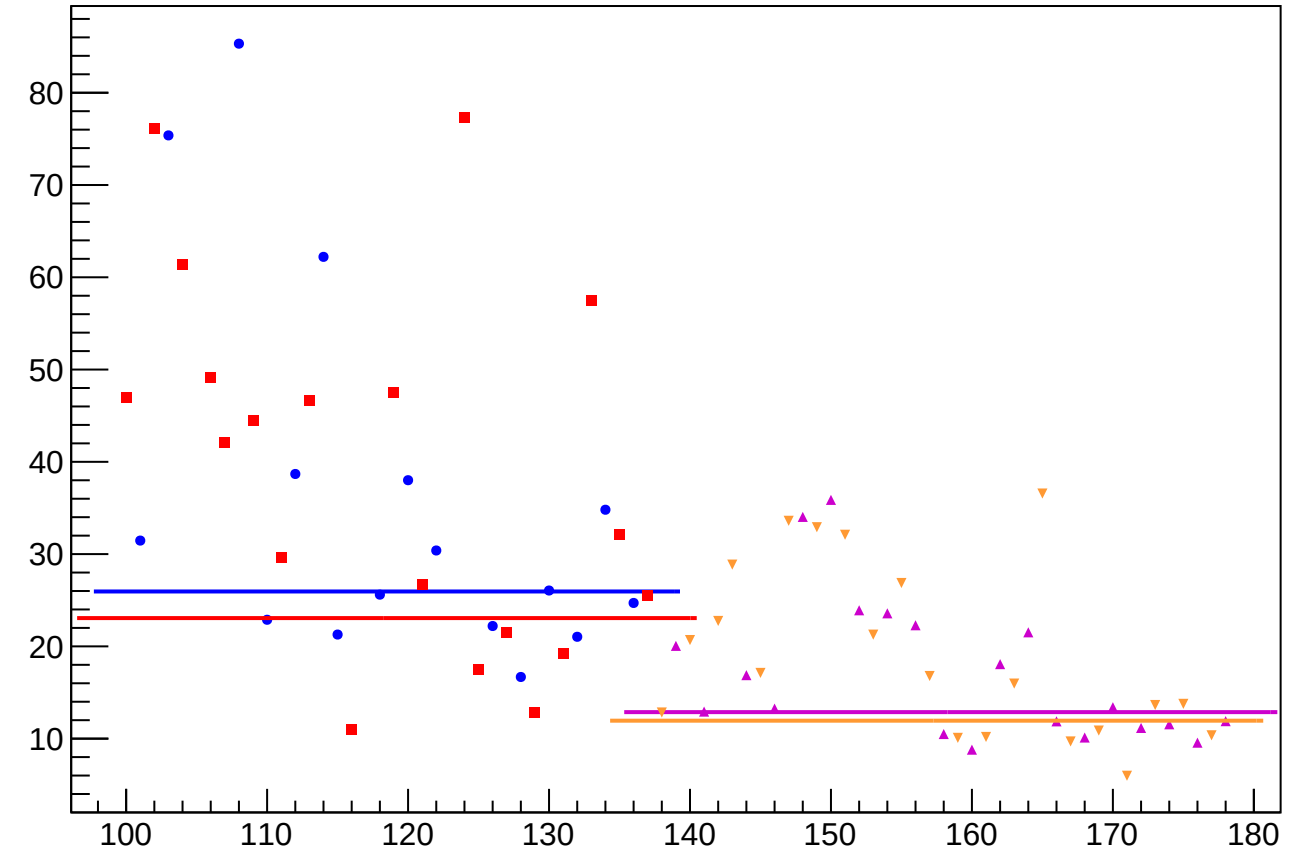
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.007+/-0.004 χ^2/NDF:14.5/19

+ sign 0.008+/-0.003 χ^2/NDF: 72.0/36

All: 0.008+/-0.002 χ^2/NDF: 96.2/75

- sign 0.009+/-0.004 χ^2/NDF: 24.1/38



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 11.946+/-0.003 χ^2/NDF:5749351.1/20

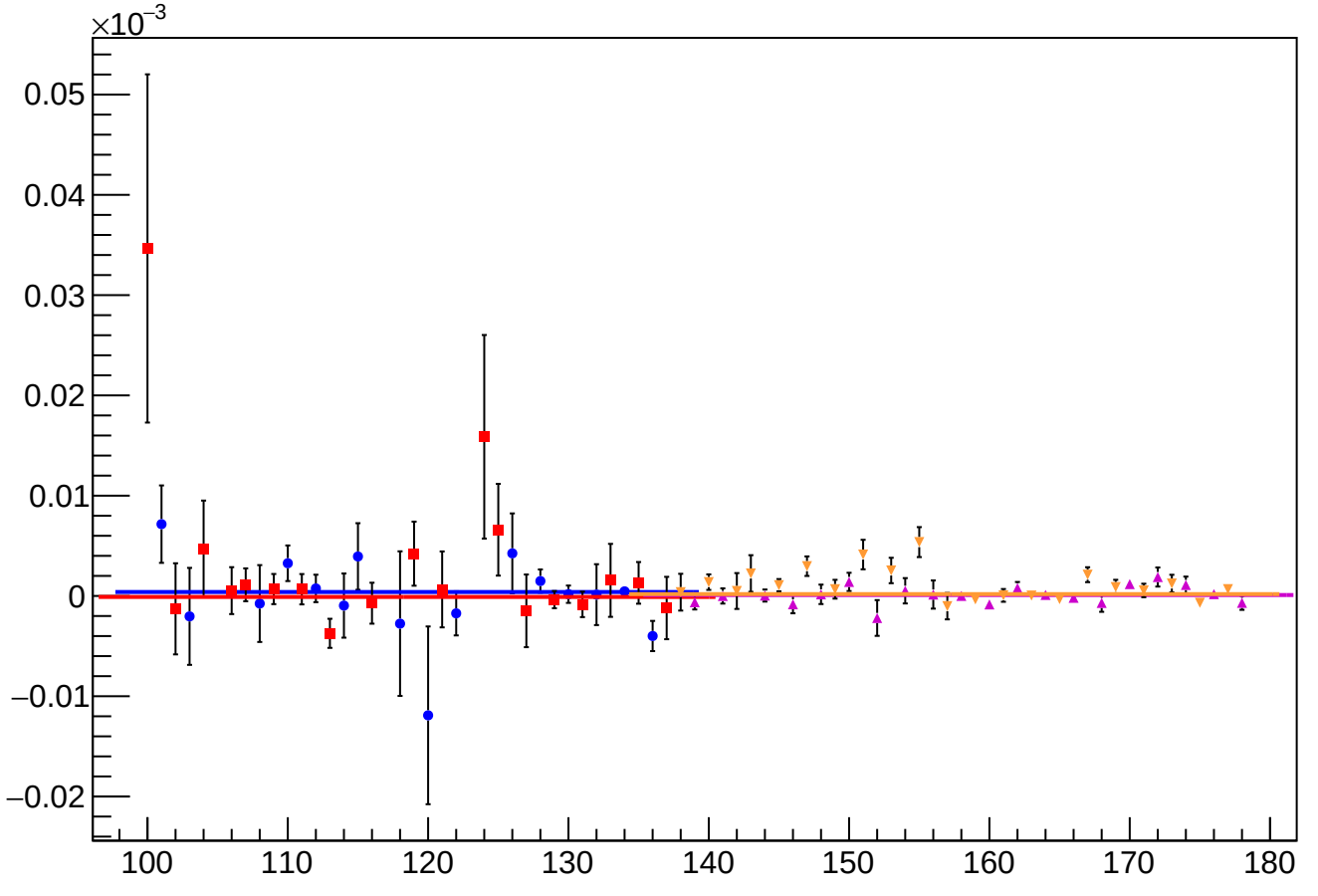
Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 12.873+/-0.003 χ^2/NDF:3390414.2/19

+ sign 13.264+/-0.002 χ^2/NDF: 10014392.0/36

All: 13.631+/-0.002 χ^2/NDF: 18484581.3/75

- sign 14.025+/-0.002 χ^2/NDF: 8422140.3/38



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:59.9/20

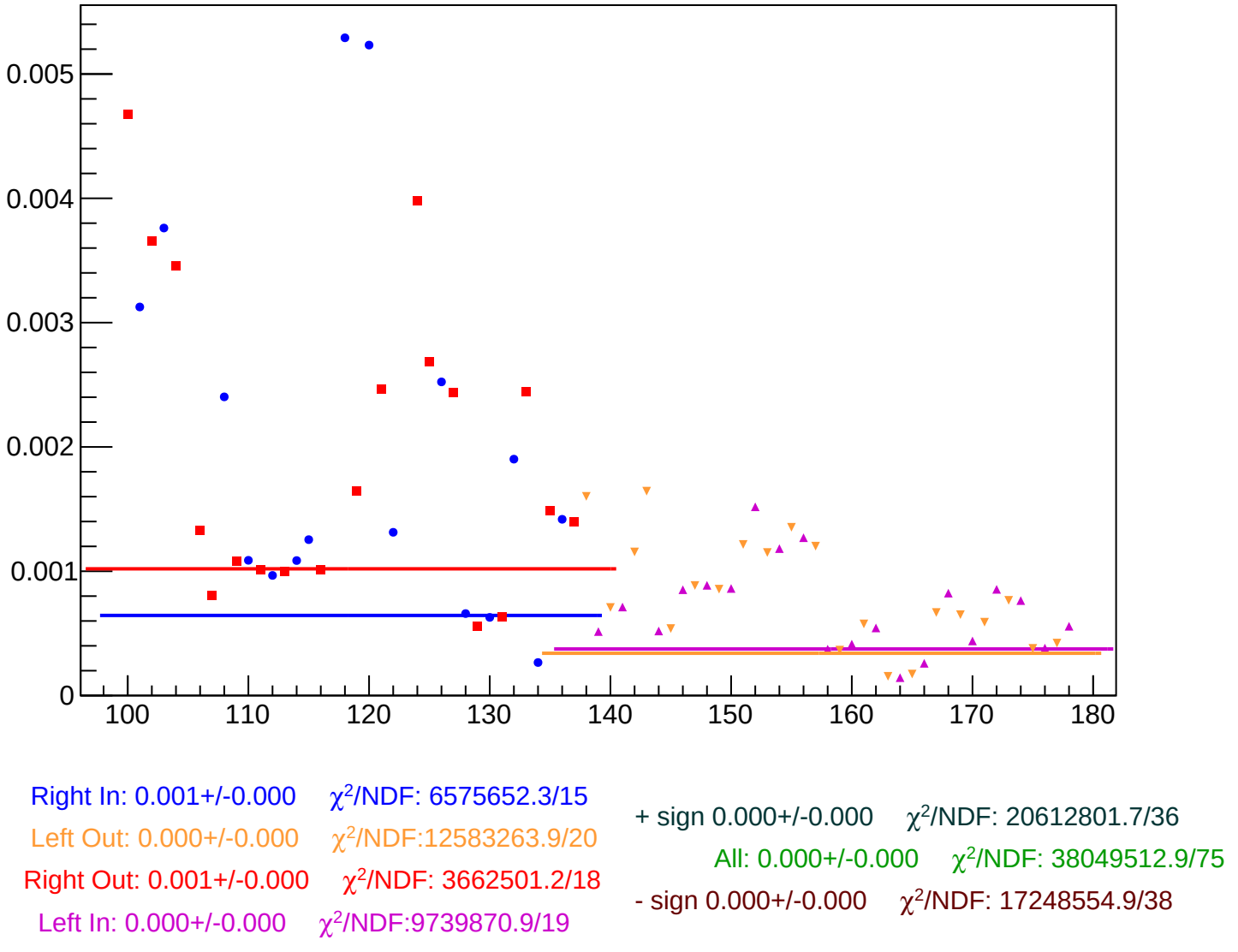
Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:23.9/19

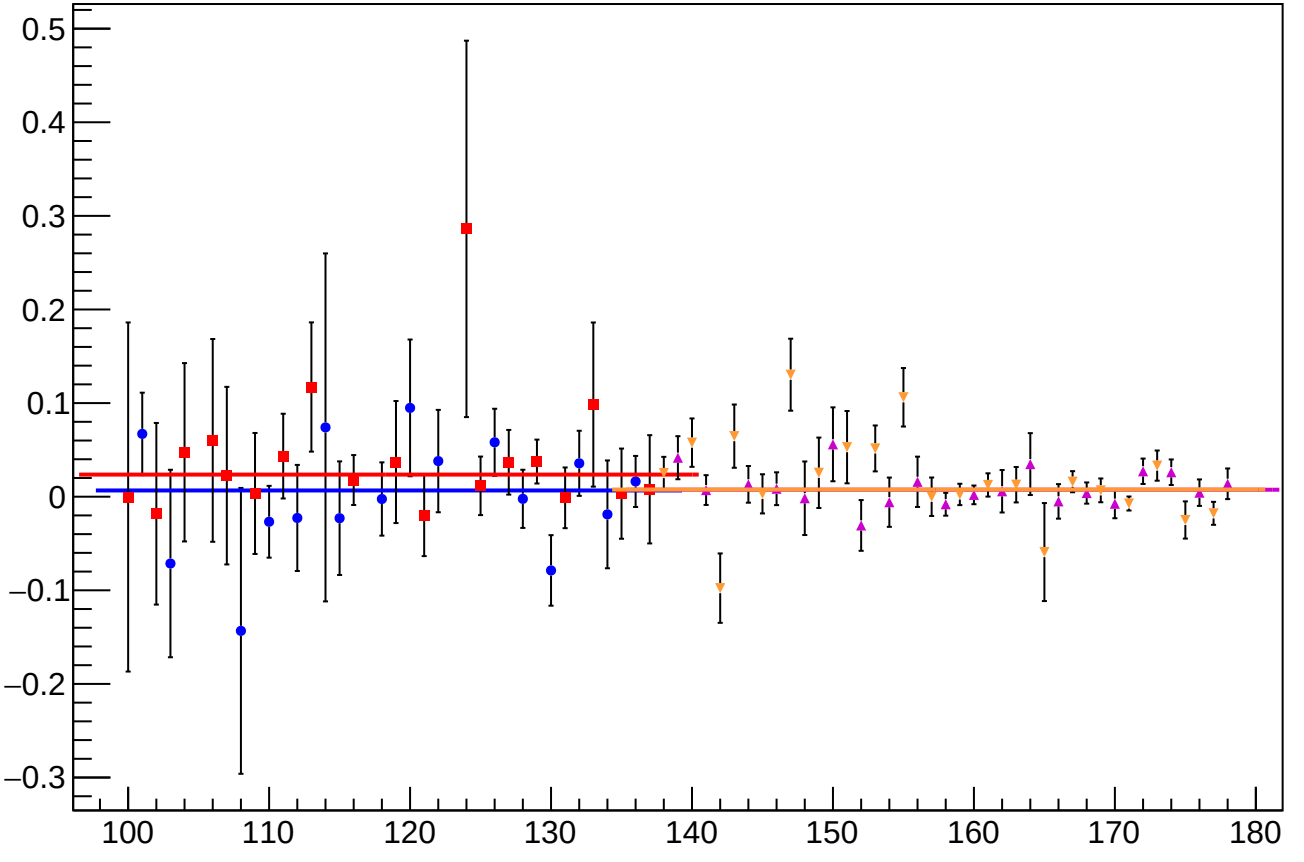
+ sign 0.000+/-0.000 χ^2/NDF: 81.1/36

All: 0.000+/-0.000 χ^2/NDF: 126.2/75

- sign 0.000+/-0.000 χ^2/NDF: 44.5/38


asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.005
0.004
0.003
0.002
0.001
0
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 6575652.3/15
Left Out: 0.000+/-0.000 χ²/NDF:12583263.9/20
Right Out: 0.001+/-0.000 χ²/NDF: 3662501.2/18
Left In: 0.000+/-0.000 χ²/NDF:9739870.9/19
+ sign 0.000+/-0.000 χ²/NDF: 20612801.7/36
All: 0.000+/-0.000 χ²/NDF: 38049512.9/75
- sign 0.000+/-0.000 χ²/NDF: 17248554.9/38

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.004 χ^2/NDF:56.9/20

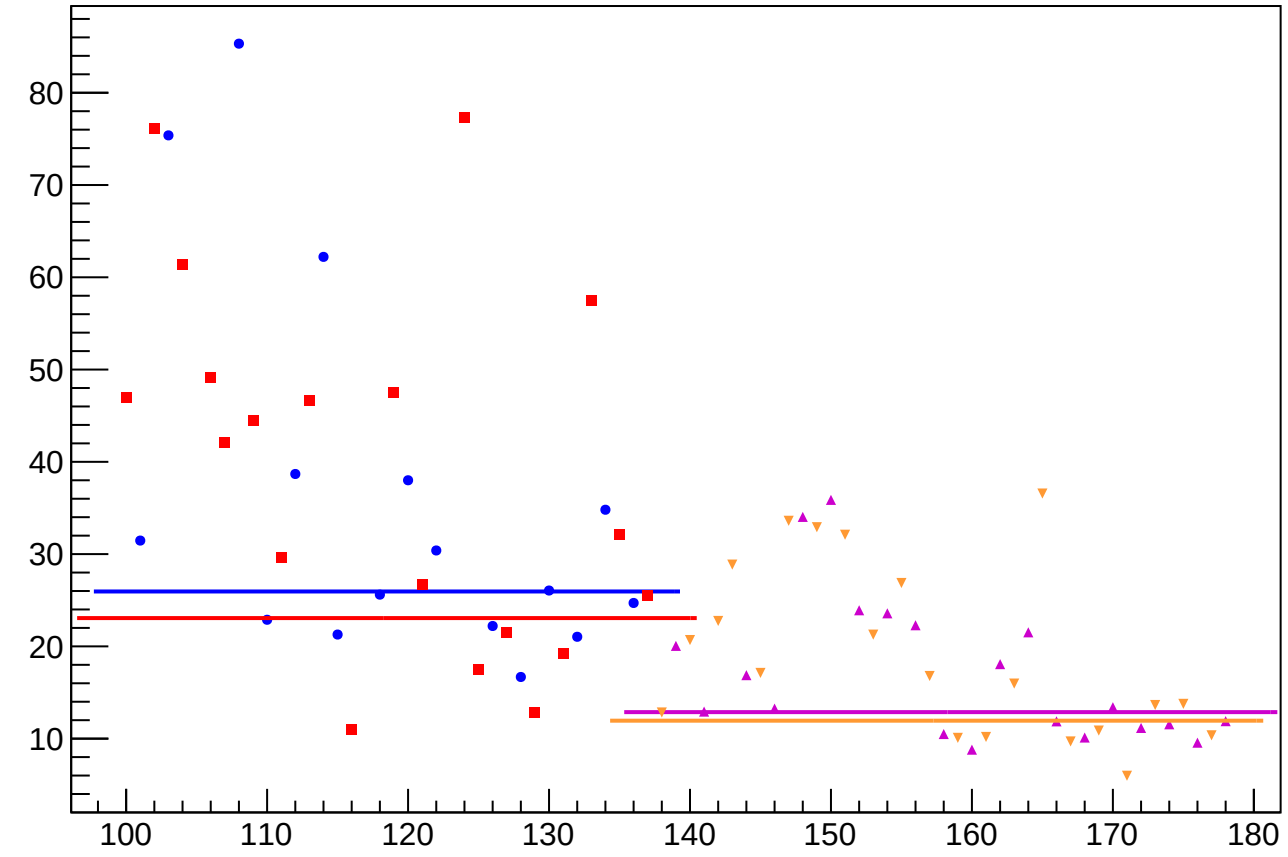
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.007+/-0.004 χ^2/NDF:14.5/19

+ sign 0.008+/-0.003 χ^2/NDF: 72.0/36

All: 0.008+/-0.002 χ^2/NDF: 96.2/75

- sign 0.009+/-0.004 χ^2/NDF: 24.1/38



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 11.946+/-0.003 χ^2/NDF:5749582.9/20

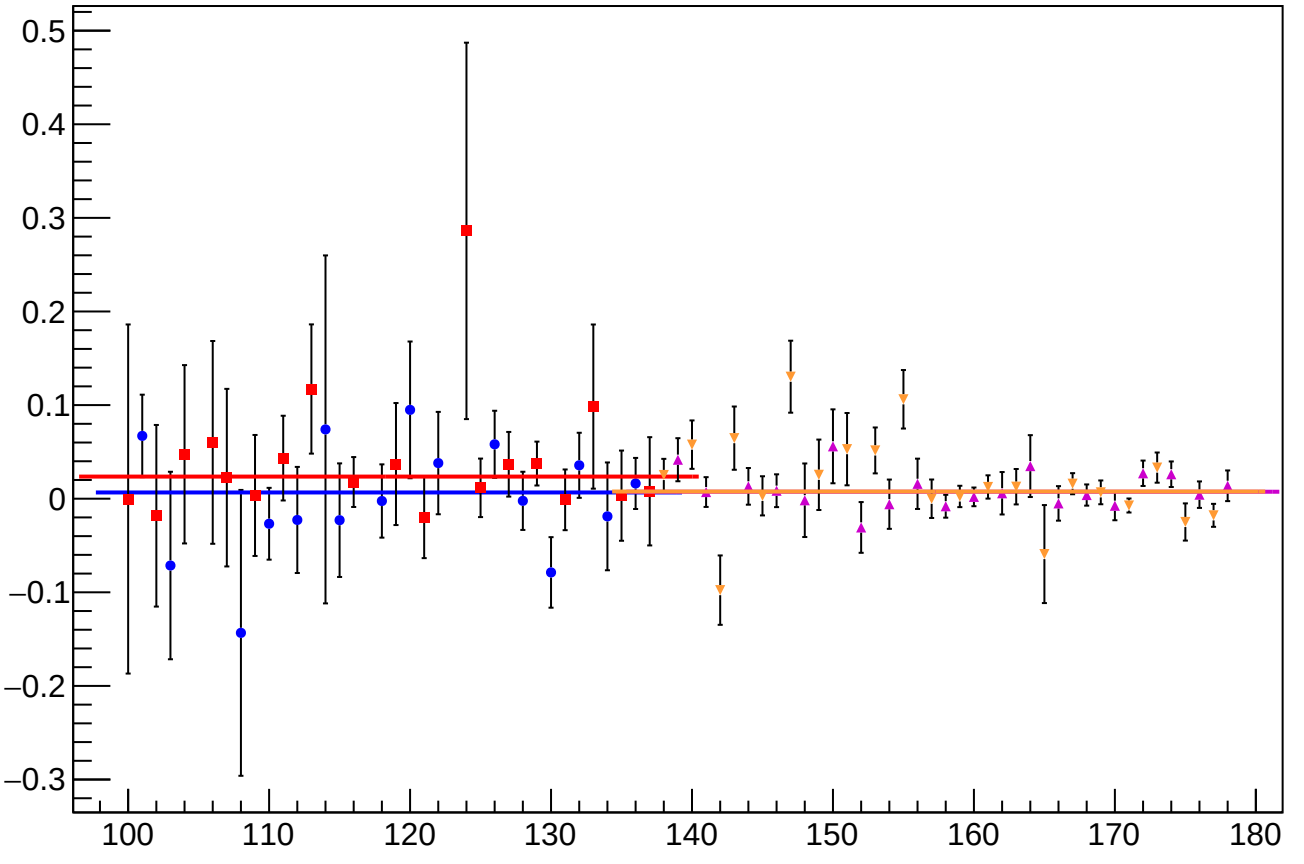
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 12.874+/-0.003 χ^2/NDF:3390589.7/19

+ sign 13.265+/-0.002 χ^2/NDF: 10014648.0/36

All: 13.631+/-0.002 χ^2/NDF: 18484951.5/75

- sign 14.025+/-0.002 χ^2/NDF: 8422256.4/38



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.004 χ^2/NDF:56.9/20

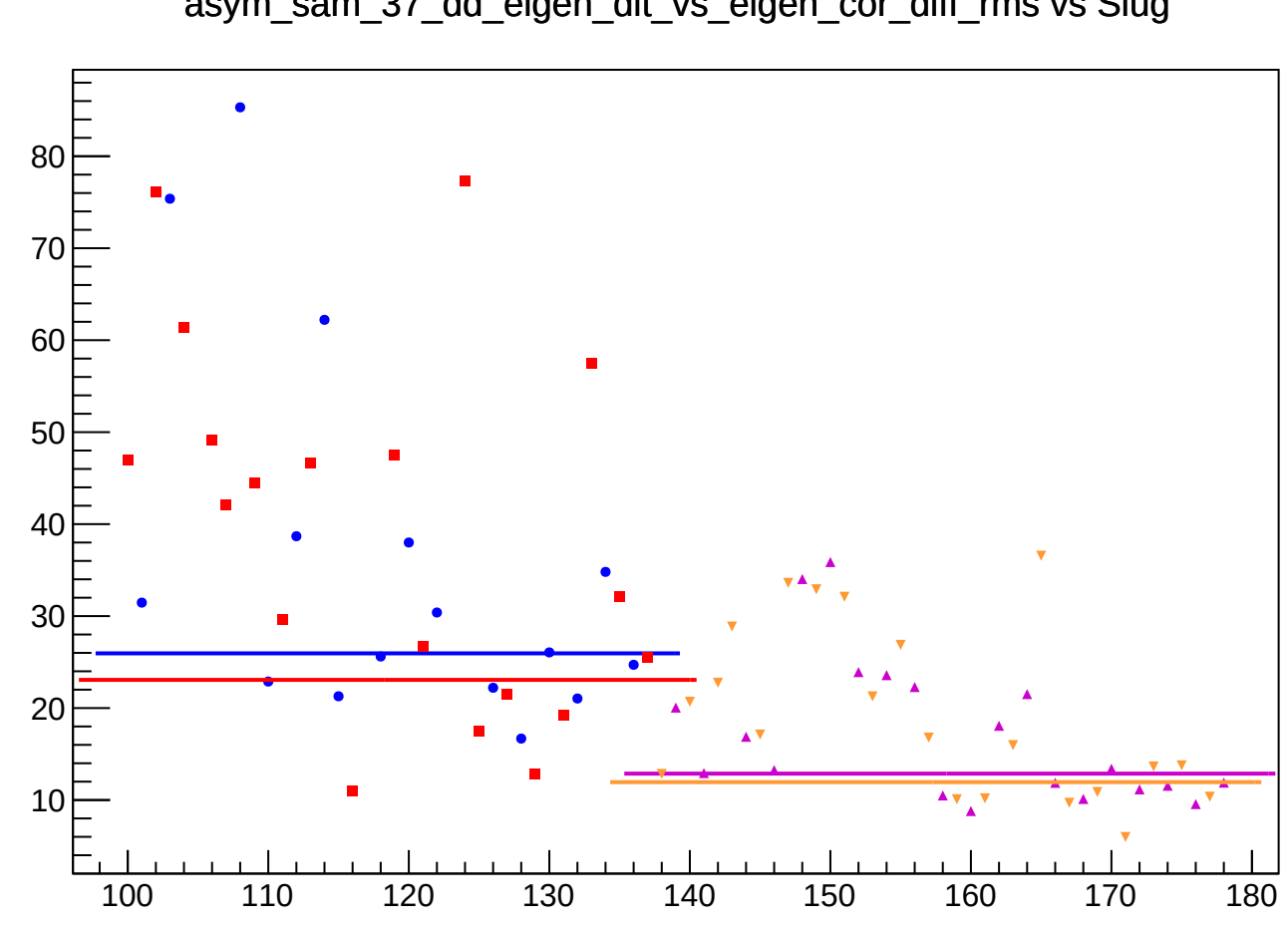
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.007+/-0.004 χ^2/NDF:14.5/19

+ sign 0.008+/-0.003 χ^2/NDF: 72.0/36

All: 0.008+/-0.002 χ^2/NDF: 96.2/75

- sign 0.009+/-0.004 χ^2/NDF: 24.1/38



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 11.946+/-0.003 χ^2/NDF:5749582.9/20

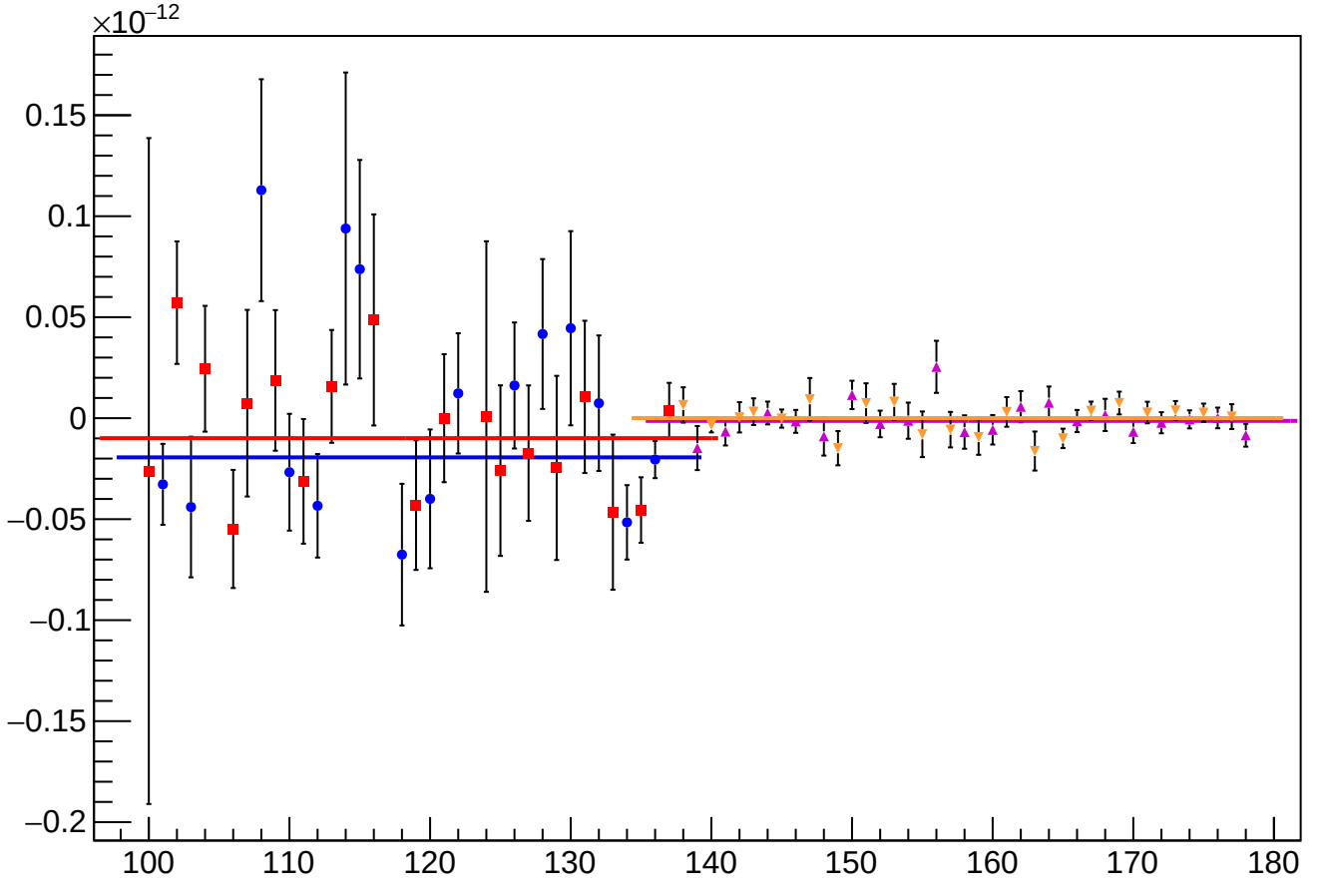
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 12.874+/-0.003 χ^2/NDF:3390589.7/19

+ sign 13.265+/-0.002 χ^2/NDF: 10014648.0/36

All: 13.631+/-0.002 χ^2/NDF: 18484951.5/75

- sign 14.025+/-0.002 χ^2/NDF: 8422256.4/38



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.0/20

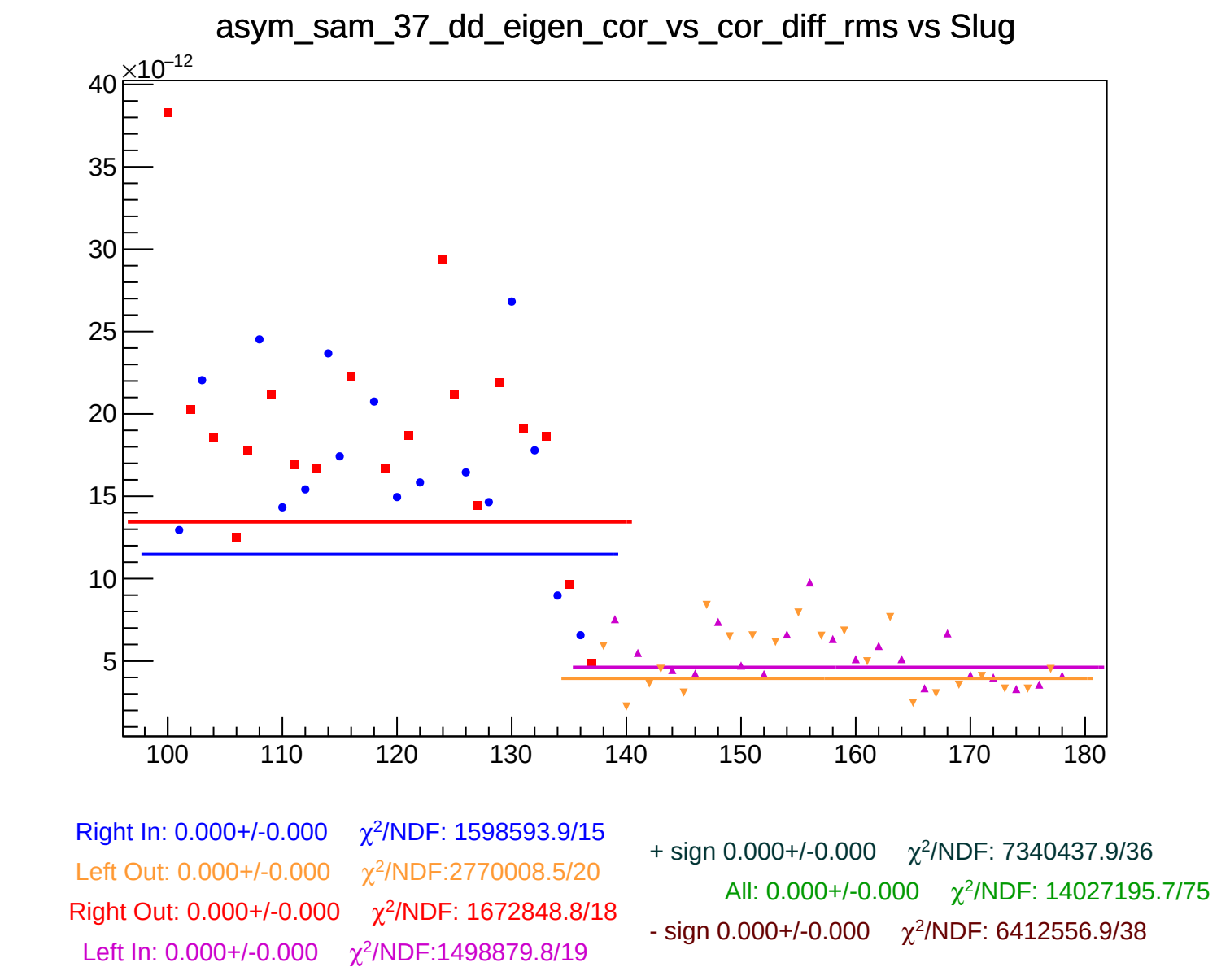
Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: -0.000+/-0.000 χ^2/NDF:16.6/19

+ sign -0.000+/-0.000 χ^2/NDF: 55.6/36

All: -0.000+/-0.000 χ^2/NDF: 94.3/75

- sign -0.000+/-0.000 χ^2/NDF: 38.5/38


asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
40
35
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25
20
15
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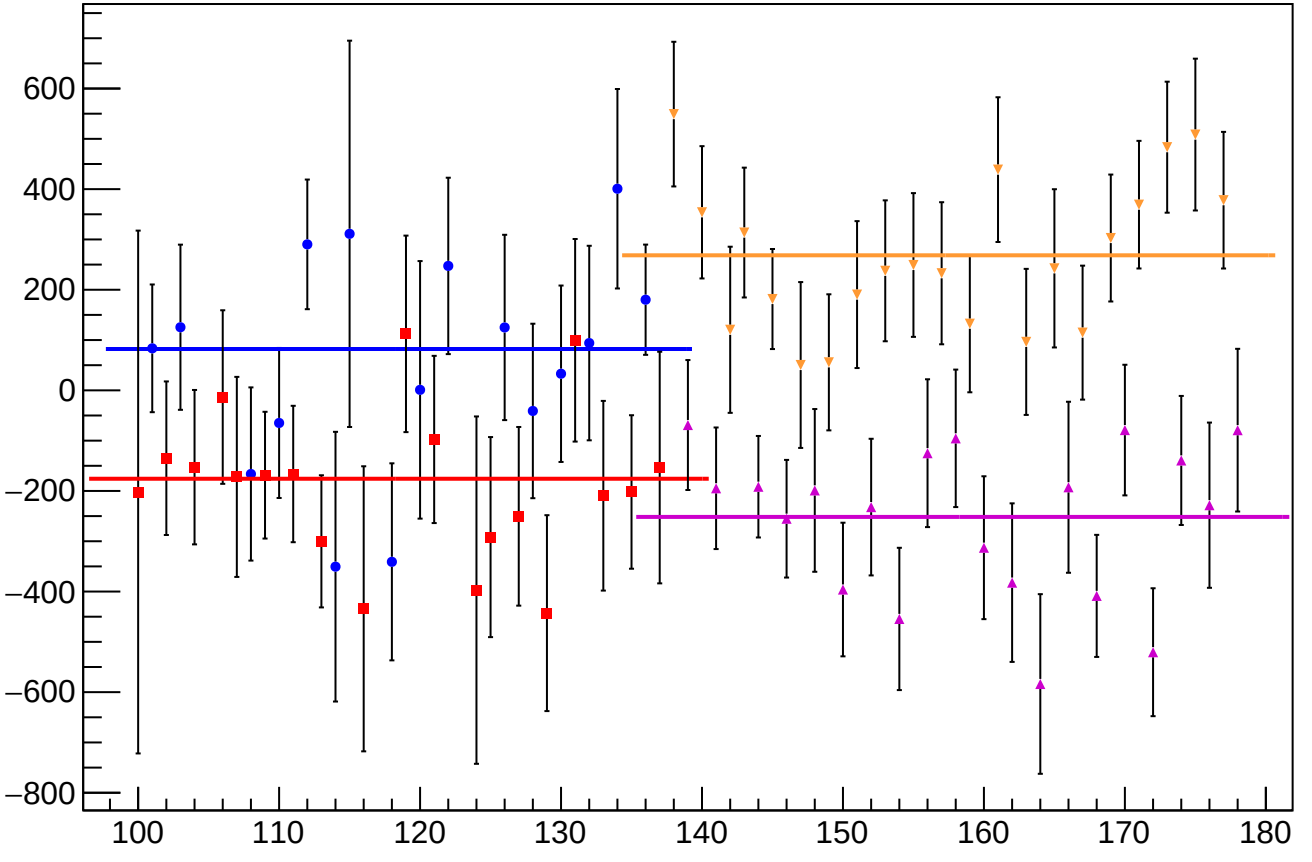
5
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1598593.9/15
Left Out: 0.000+/-0.000 χ²/NDF:2770008.5/20
Right Out: 0.000+/-0.000 χ²/NDF: 1672848.8/18
Left In: 0.000+/-0.000 χ²/NDF:1498879.8/19
+ sign 0.000+/-0.000 χ²/NDF: 7340437.9/36
All: 0.000+/-0.000 χ²/NDF: 14027195.7/75
- sign 0.000+/-0.000 χ²/NDF: 6412556.9/38

reg_asym_sam_48_dd_mean vs Slug



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 268.474+/-29.870 χ^2/NDF:22.3/20

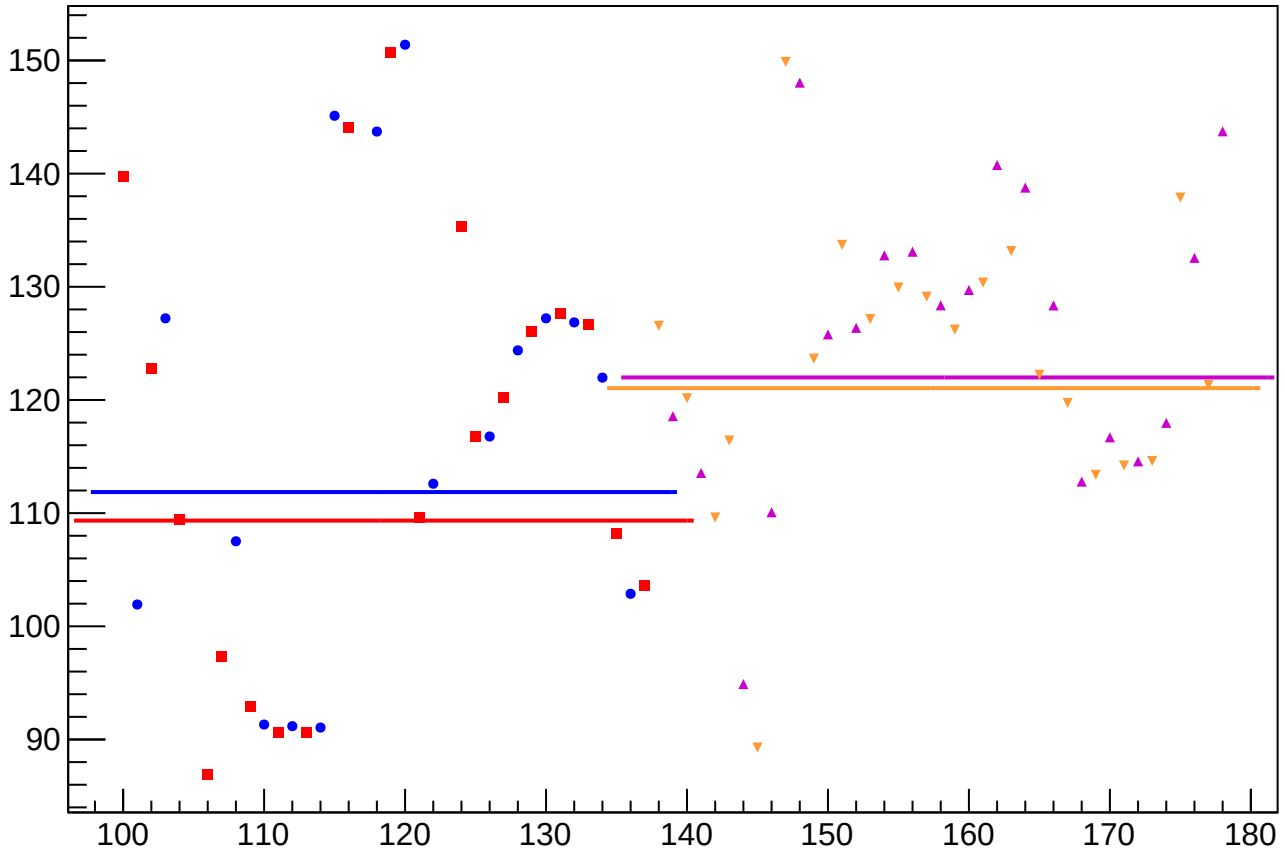
Right Out: -175.732+/-40.673 χ^2/NDF: 9.9/18

Left In: -251.616+/-30.435 χ^2/NDF:22.3/19

+ sign 206.165+/-24.368 χ^2/NDF: 53.7/36

All: -9.106+/-17.231 χ^2/NDF: 244.2/75

- sign -224.378+/-24.368 χ^2/NDF: 34.4/38



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 121.047+/-0.021 χ^2/NDF:382608.6/20

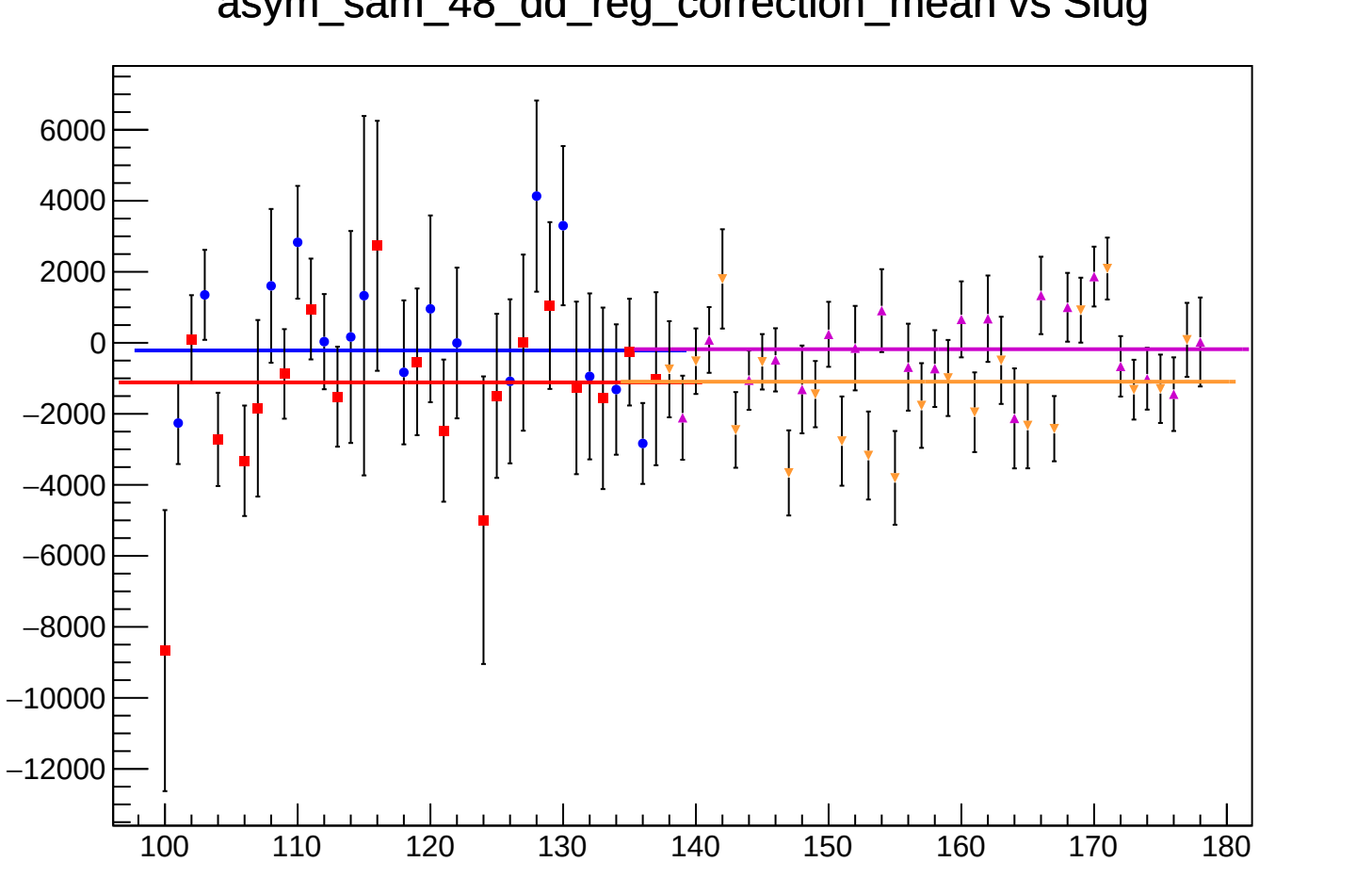
Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

Left In: 121.989+/-0.022 χ^2/NDF:381826.4/19

+ sign 117.974+/-0.017 χ^2/NDF: 751880.9/36

All: 117.711+/-0.012 χ^2/NDF: 1625381.5/75

- sign 117.449+/-0.017 χ^2/NDF: 873034.9/38



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -1094.575+/-227.736 χ^2/NDF:44.3/20

Right Out: -1114.700+/-423.039 χ^2/NDF: 14.5/18

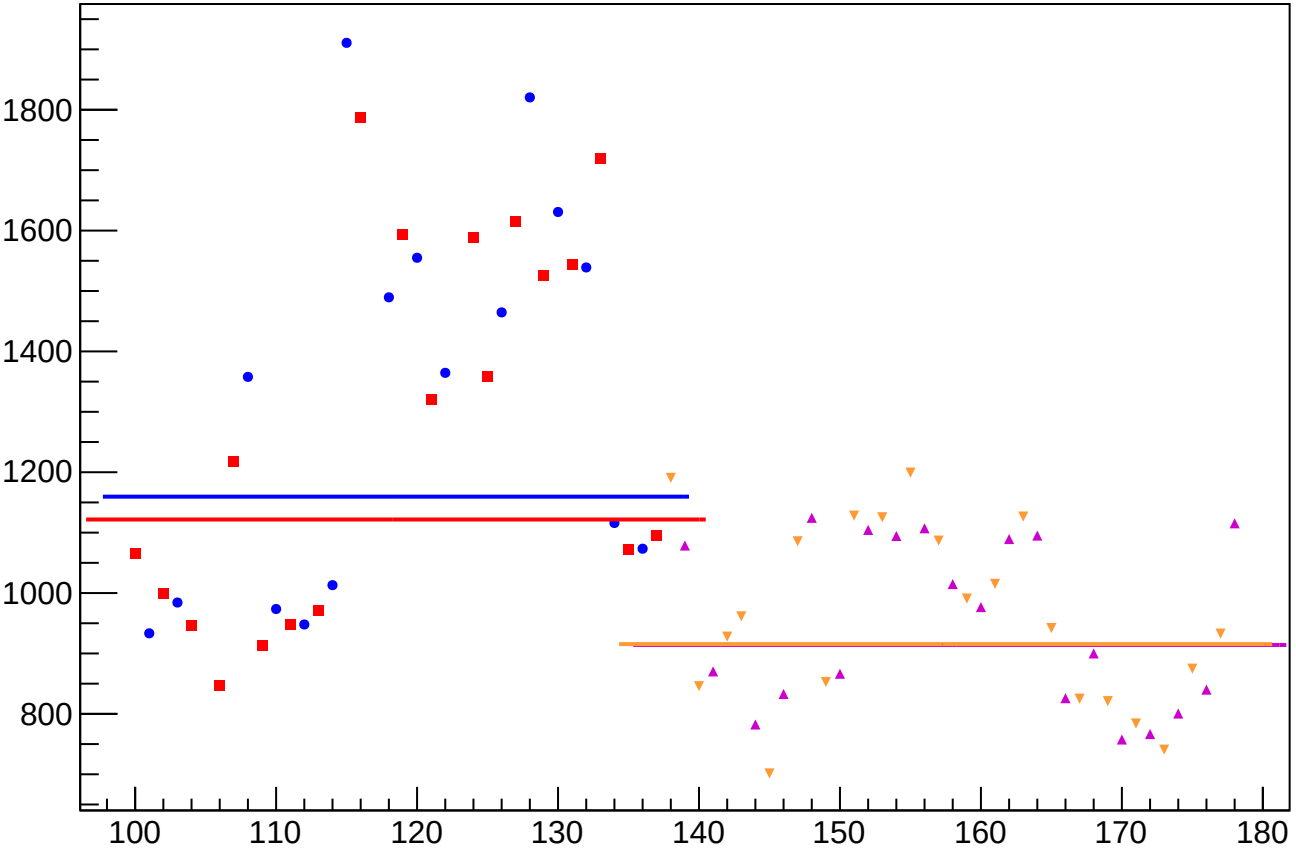
Left In: -179.487+/-229.296 χ^2/NDF:21.4/19

+ sign -911.175+/-202.632 χ^2/NDF: 67.9/36

All: -650.172+/-142.912 χ^2/NDF: 110.9/75

- sign -391.851+/-201.588 χ^2/NDF: 39.7/38

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 915.484+/-0.161 χ^2/NDF:808254.5/20

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

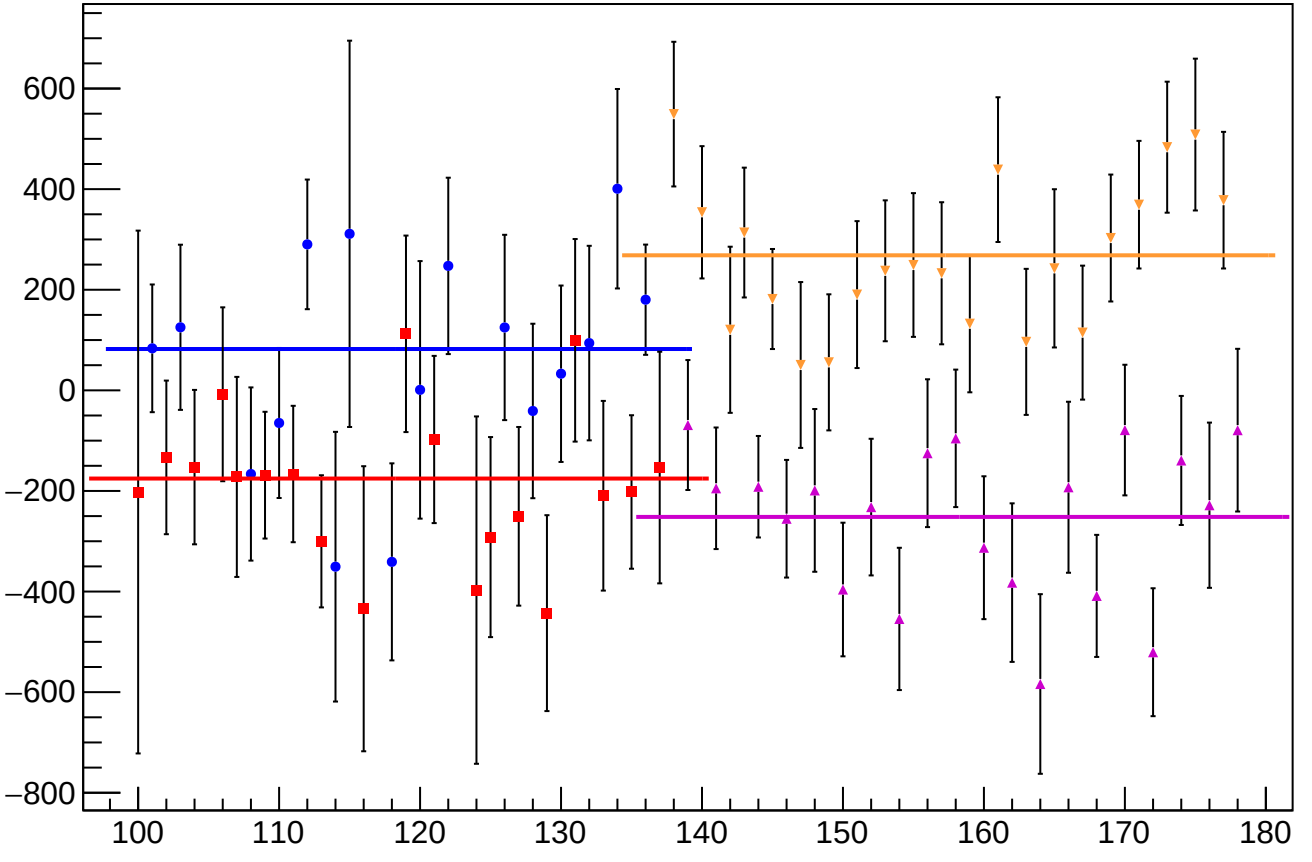
Left In: 914.043+/-0.162 χ^2/NDF:658682.3/19

+ sign 966.331+/-0.143 χ^2/NDF: 1970536.7/36

All: 963.756+/-0.101 χ^2/NDF: 3784797.3/75

- sign 961.208+/-0.143 χ^2/NDF: 1813618.3/38

cor_asym_sam_48_dd_mean vs Slug



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 268.478+/-29.870 χ^2/NDF:22.3/20

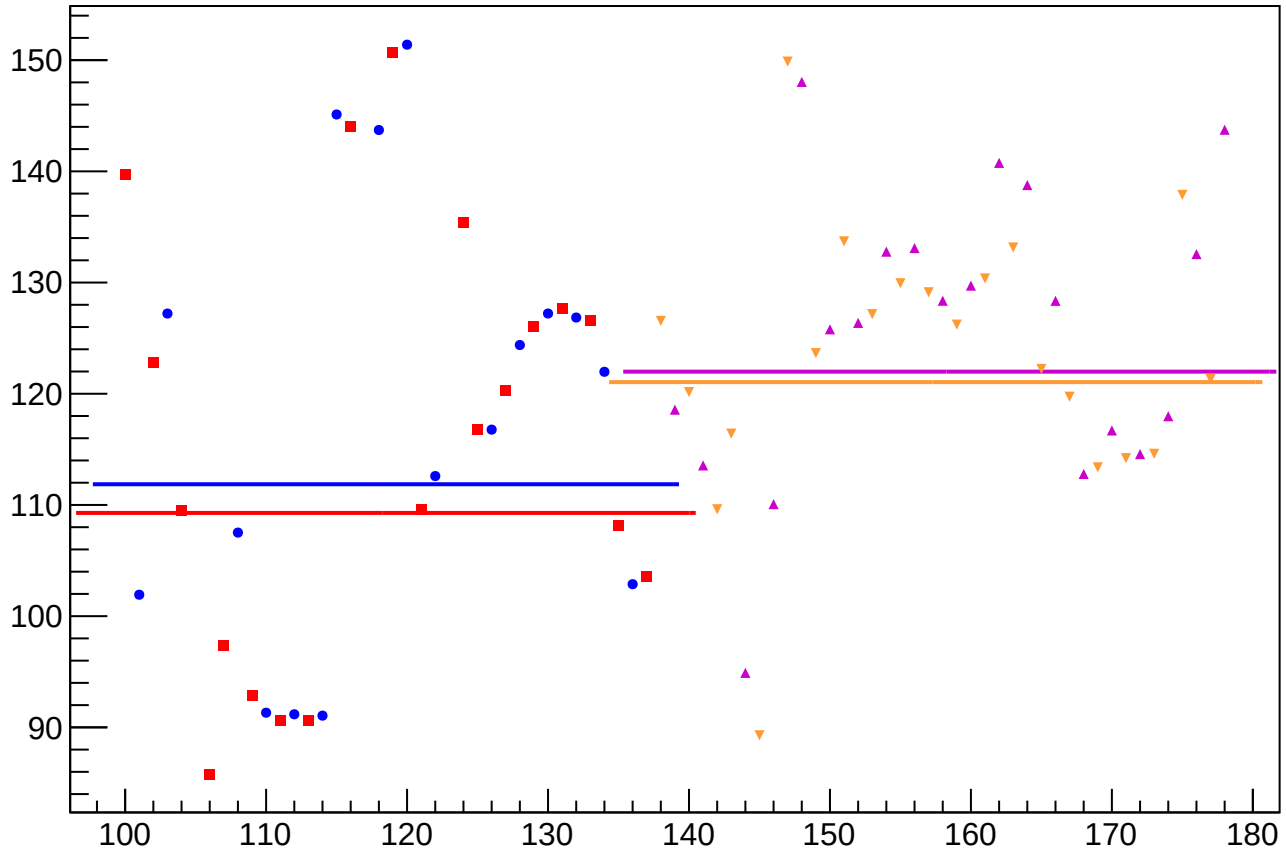
Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: -251.618+/-30.435 χ^2/NDF:22.3/19

+ sign 206.165+/-24.368 χ^2/NDF: 53.7/36

All: -9.029+/-17.231 χ^2/NDF: 244.2/75

- sign -224.243+/-24.369 χ^2/NDF: 34.5/38



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 121.047+/-0.021 χ^2/NDF:382608.6/20

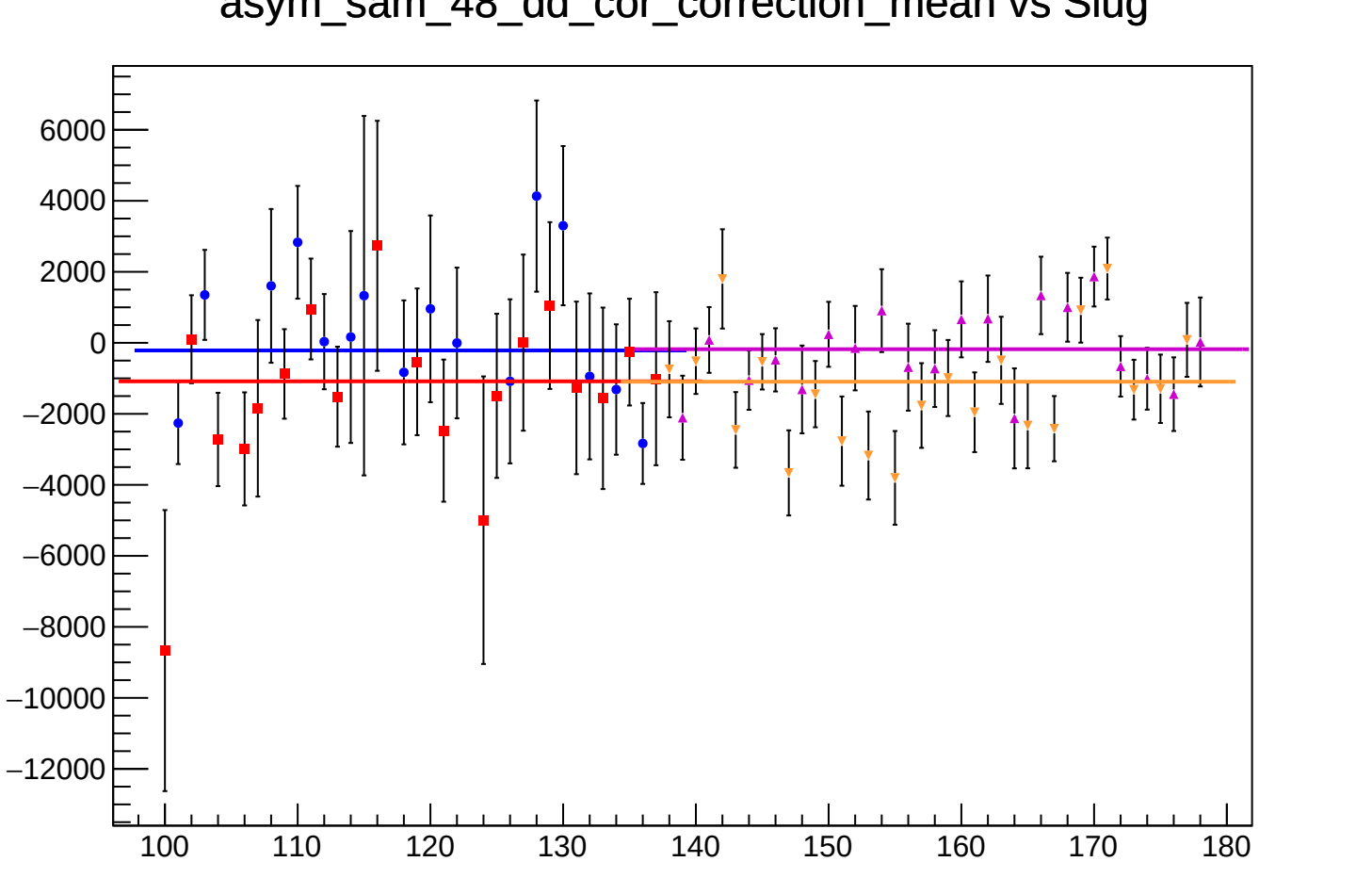
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 121.989+/-0.022 χ^2/NDF:381826.4/19

+ sign 117.974+/-0.017 χ^2/NDF: 751881.6/36

All: 117.702+/-0.012 χ^2/NDF: 1629989.9/75

- sign 117.429+/-0.017 χ^2/NDF: 877607.6/38



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1094.572+/-227.736 χ^2/NDF:44.3/20

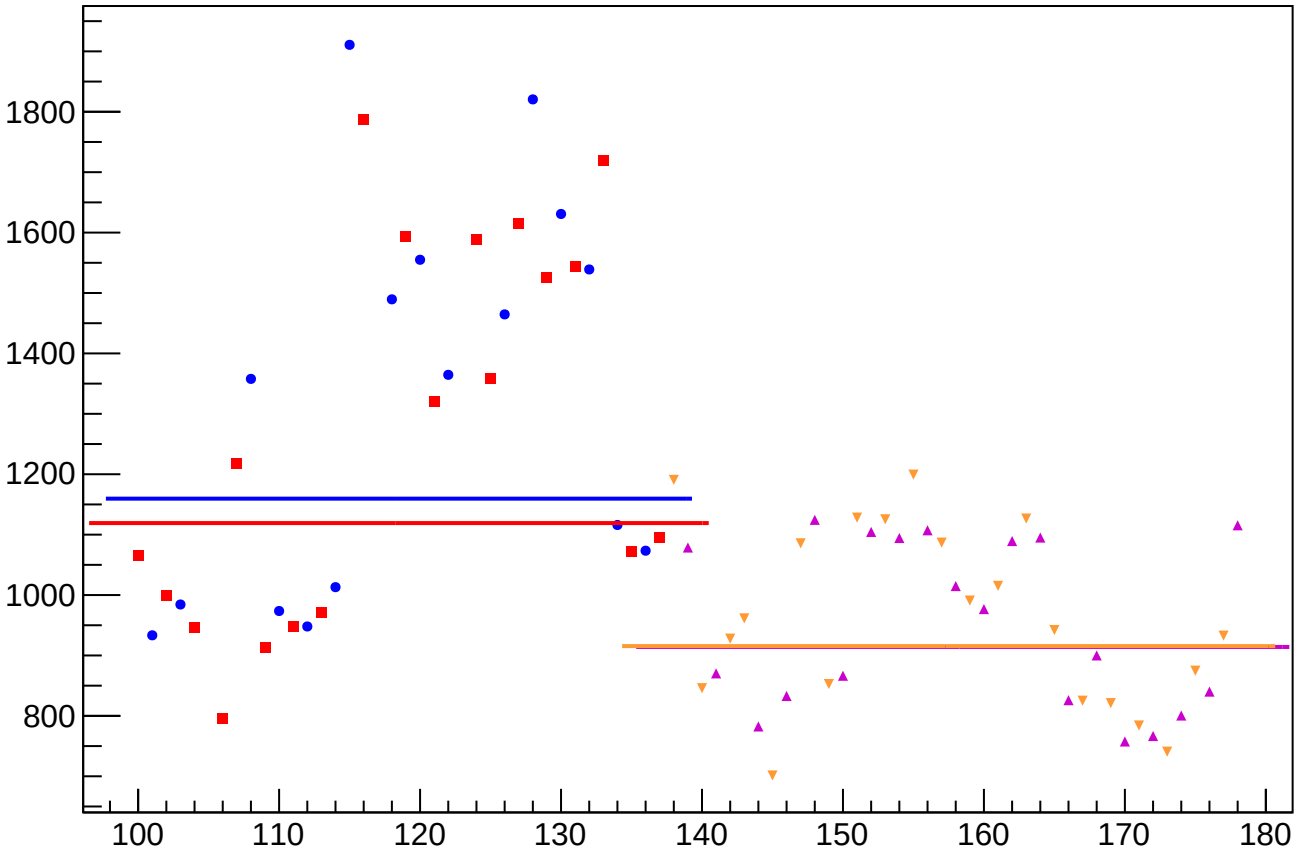
Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: -179.492+/-229.296 χ^2/NDF:21.4/19

\+ sign -911.194+/-202.632 χ^2/NDF: 67.9/36

All: -646.500+/-142.940 χ^2/NDF: 110.1/75

\- sign -384.319+/-201.668 χ^2/NDF: 38.8/38



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 915.484+/-0.161 χ^2/NDF:808254.3/20

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

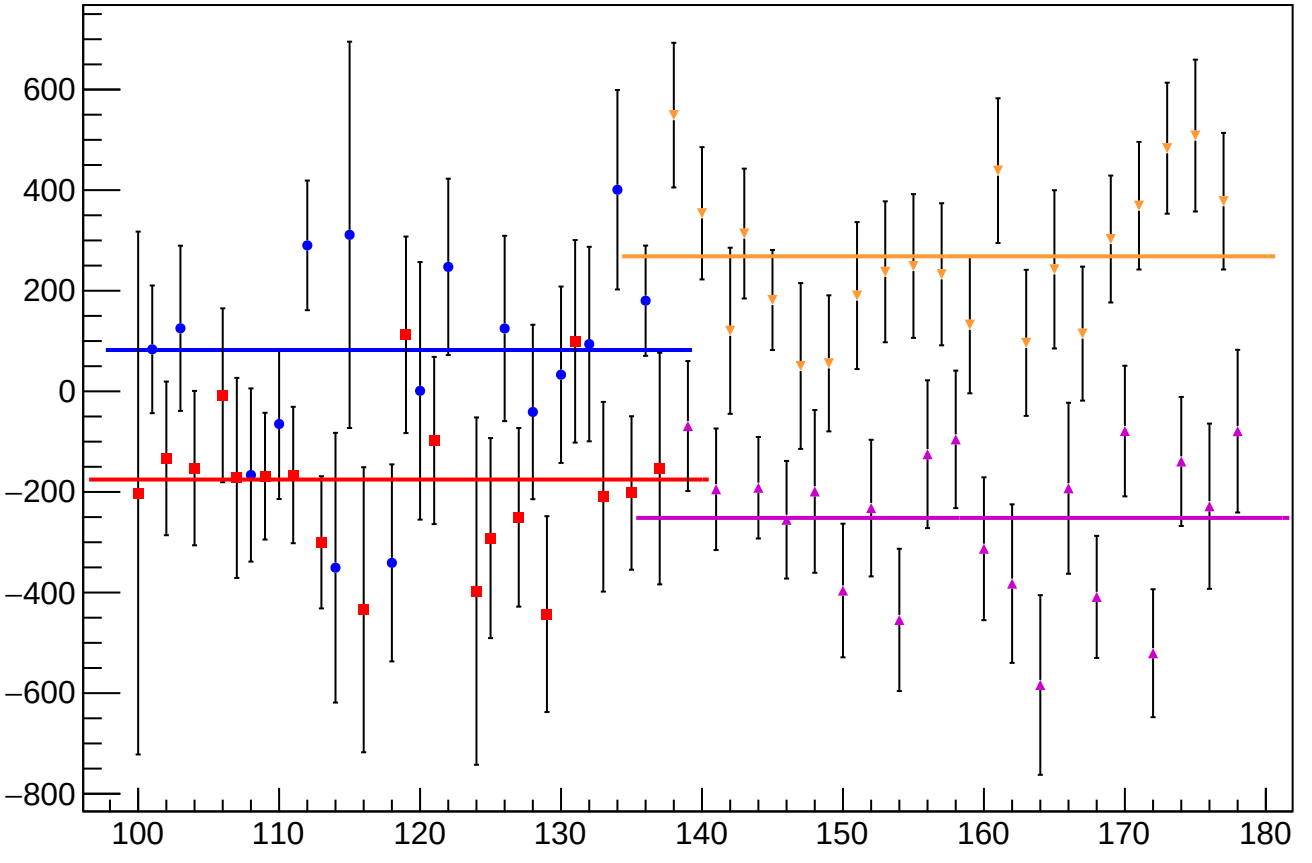
Left In: 914.043+/-0.162 χ^2/NDF:658683.5/19

+ sign 966.332+/-0.143 χ^2/NDF: 1970537.8/36

All: 963.399+/-0.101 χ^2/NDF: 3795639.6/75

- sign 960.494+/-0.143 χ^2/NDF: 1824267.8/38

eigen_cor_asym_sam_48_dd_mean vs Slug



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 268.478+/-29.870 χ^2/NDF:22.3/20

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

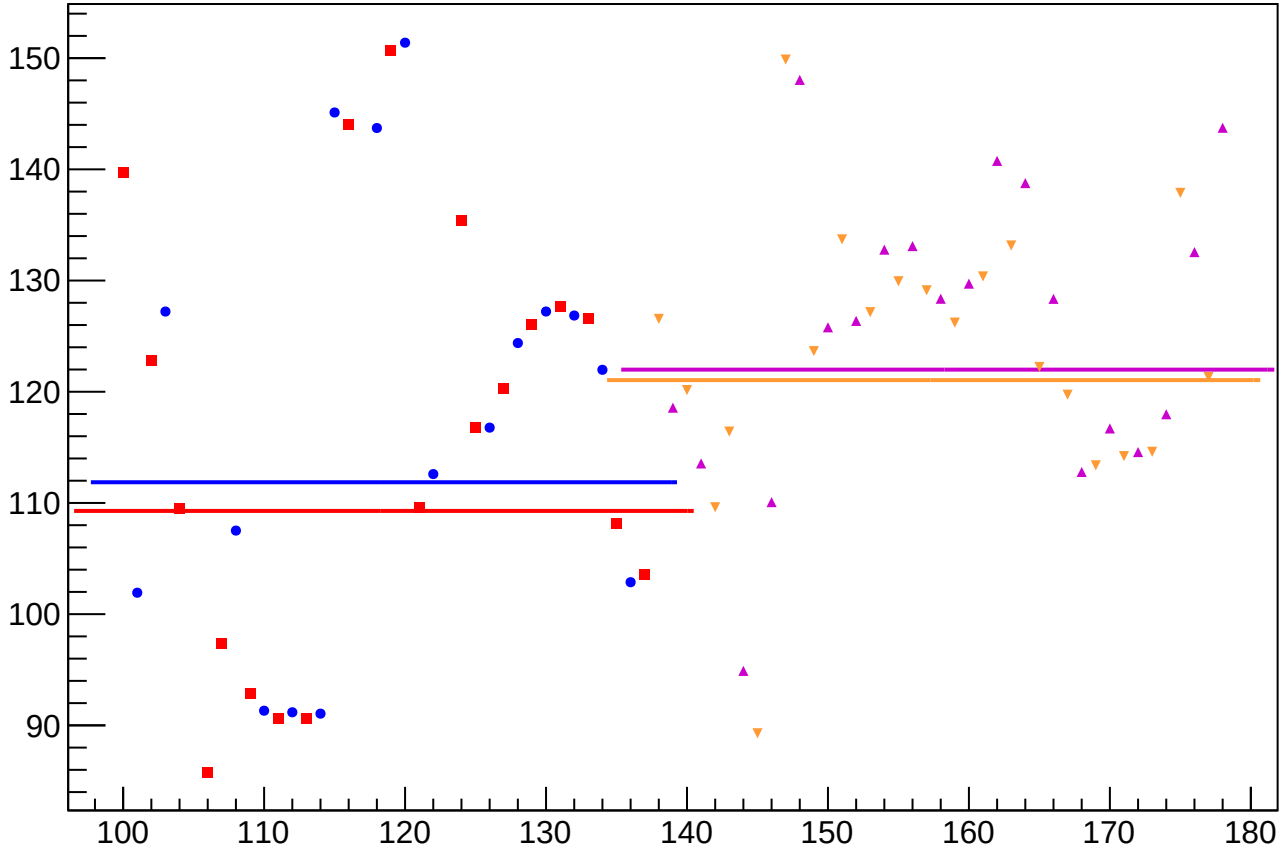
Left In: -251.618+/-30.435 χ^2/NDF:22.3/19

+ sign 206.165+/-24.368 χ^2/NDF: 53.7/36

All: -9.029+/-17.231 χ^2/NDF: 244.2/75

- sign -224.243+/-24.369 χ^2/NDF: 34.5/38

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 121.047+/-0.021 χ^2/NDF:382608.6/20

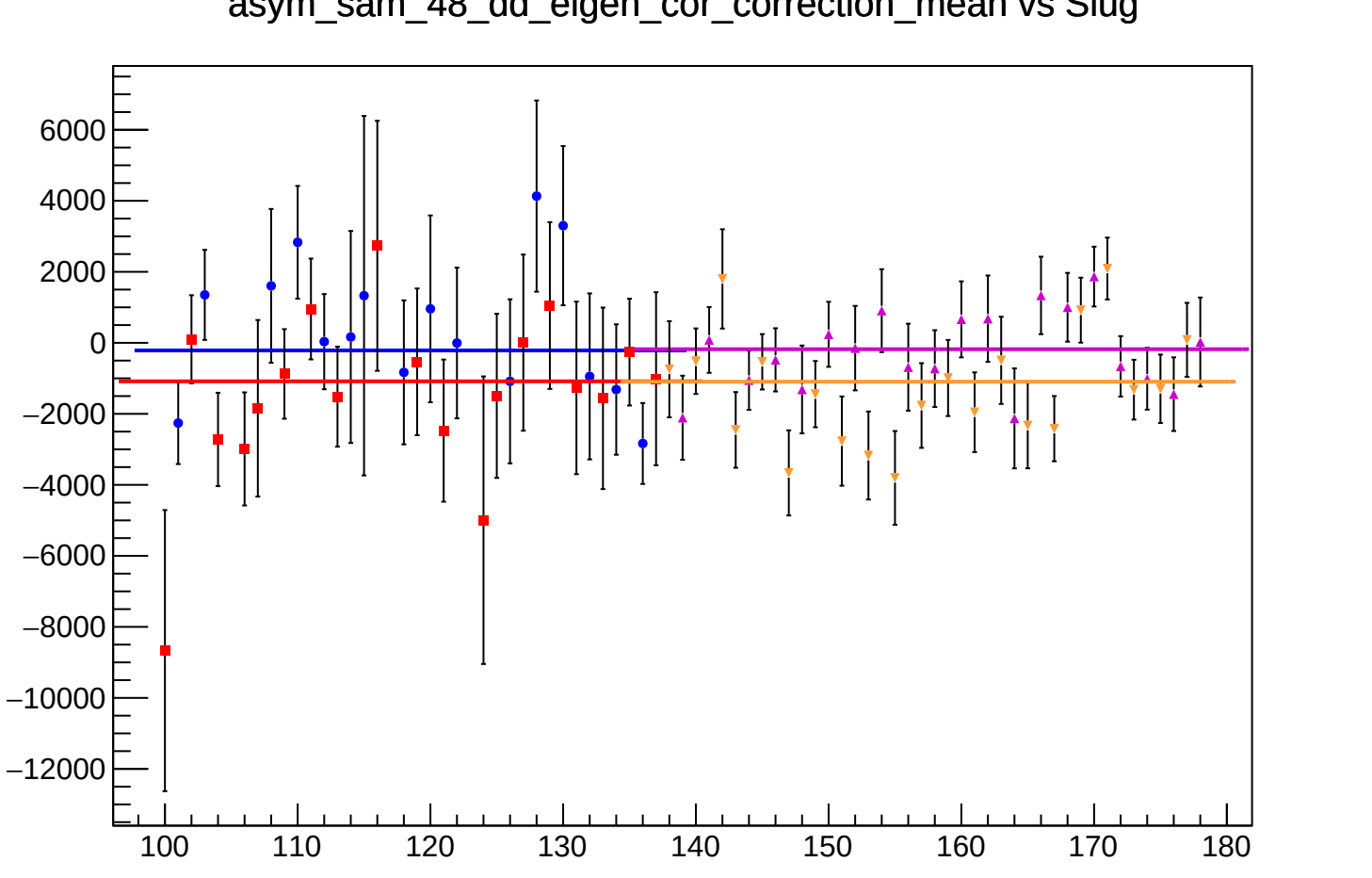
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 121.989+/-0.022 χ^2/NDF:381826.4/19

\+ sign 117.974+/-0.017 χ^2/NDF: 751881.6/36

All: 117.702+/-0.012 χ^2/NDF: 1629989.9/75

\- sign 117.429+/-0.017 χ^2/NDF: 877607.6/38



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1094.572+/-227.736 χ^2/NDF:44.3/20

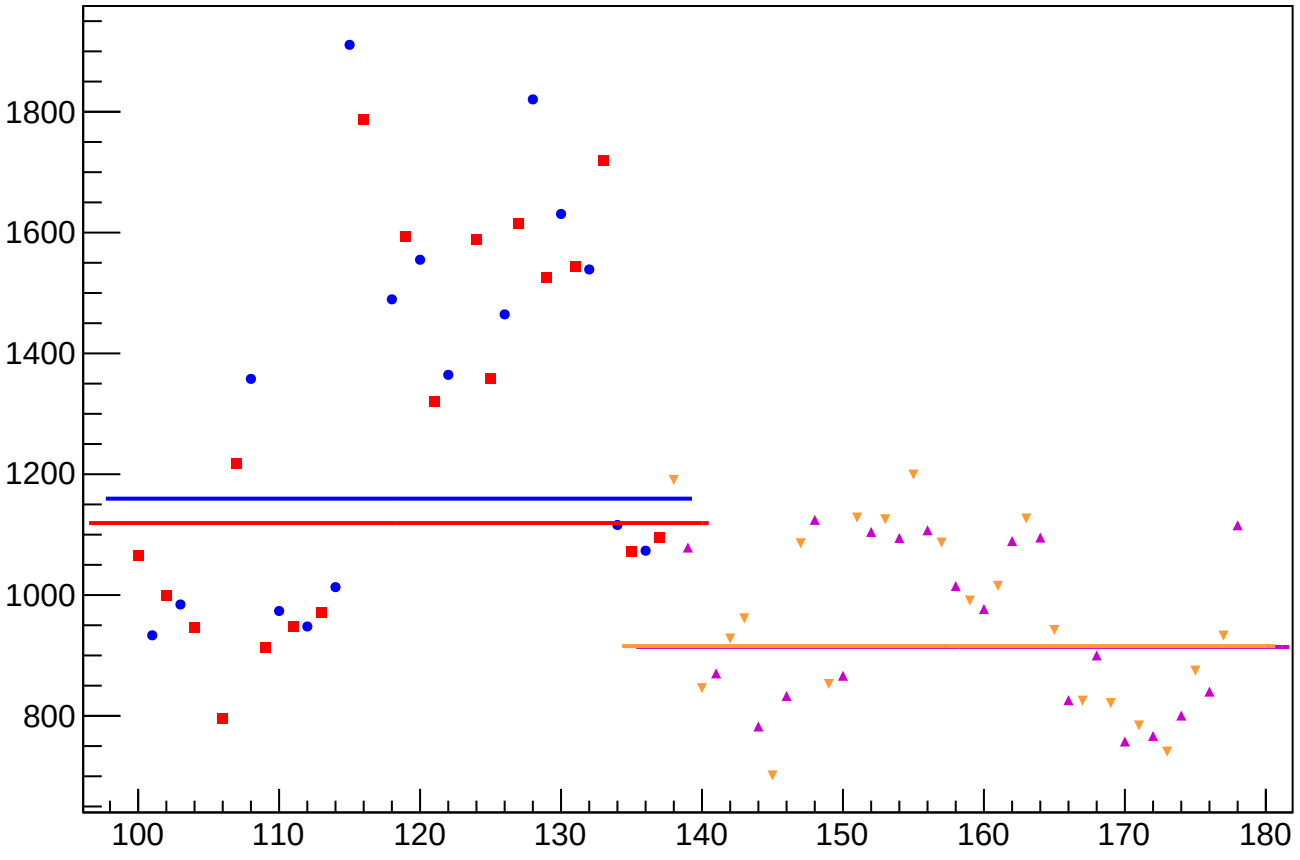
Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: -179.492+/-229.296 χ^2/NDF:21.4/19

+ sign -911.194+/-202.632 χ^2/NDF: 67.9/36

All: -646.500+/-142.940 χ^2/NDF: 110.1/75

- sign -384.319+/-201.668 χ^2/NDF: 38.8/38



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 915.484+/-0.161 χ^2/NDF:808254.3/20

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

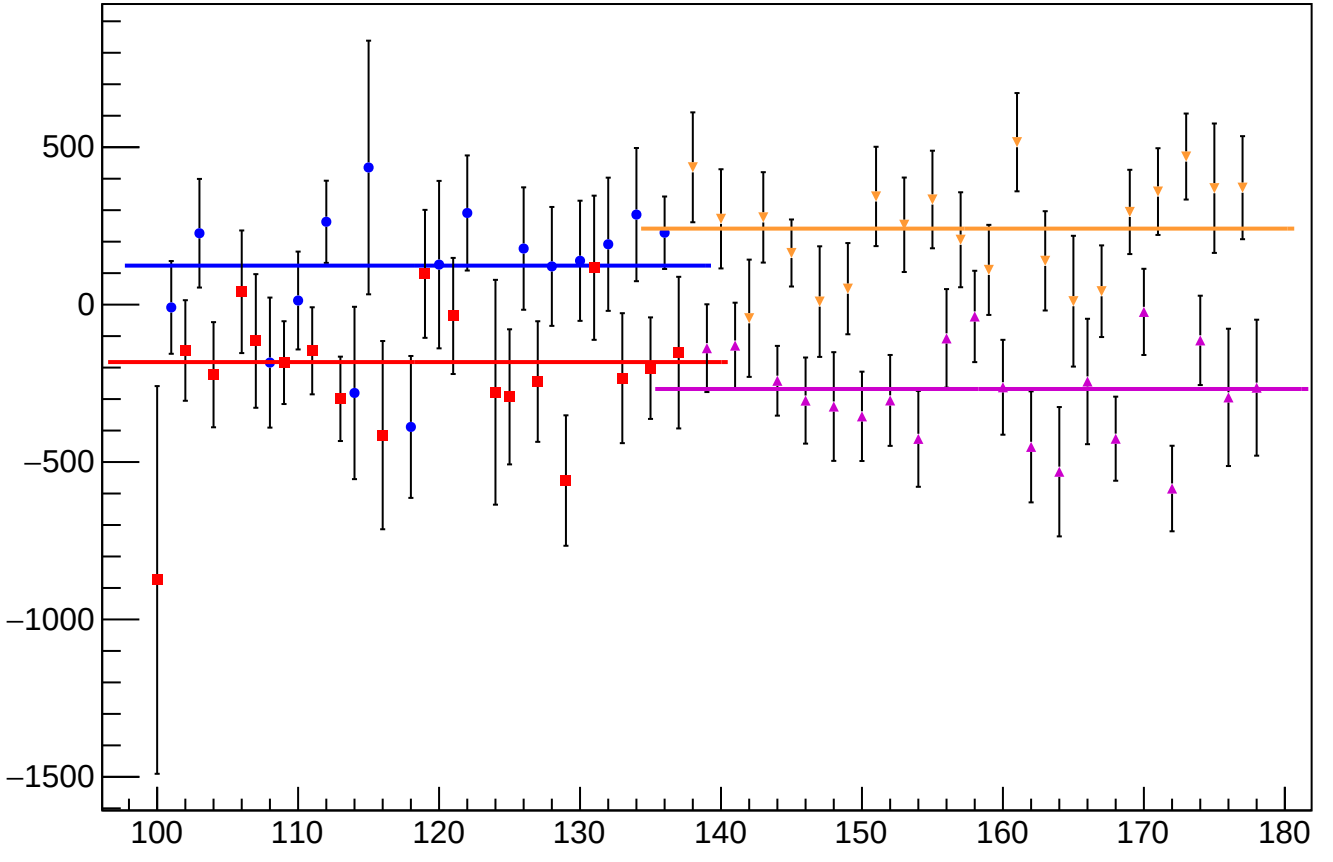
Left In: 914.043+/-0.162 χ^2/NDF:658683.5/19

\+ sign 966.332+/-0.143 χ^2/NDF: 1970537.8/36

All: 963.399+/-0.101 χ^2/NDF: 3795639.6/75

\- sign 960.494+/-0.143 χ^2/NDF: 1824267.8/38

dit_asym_sam_48_dd_mean vs Slug



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 241.458+/-33.104 χ^2/NDF:20.7/20

Right Out: -182.467+/-43.224 χ^2/NDF: 12.3/18

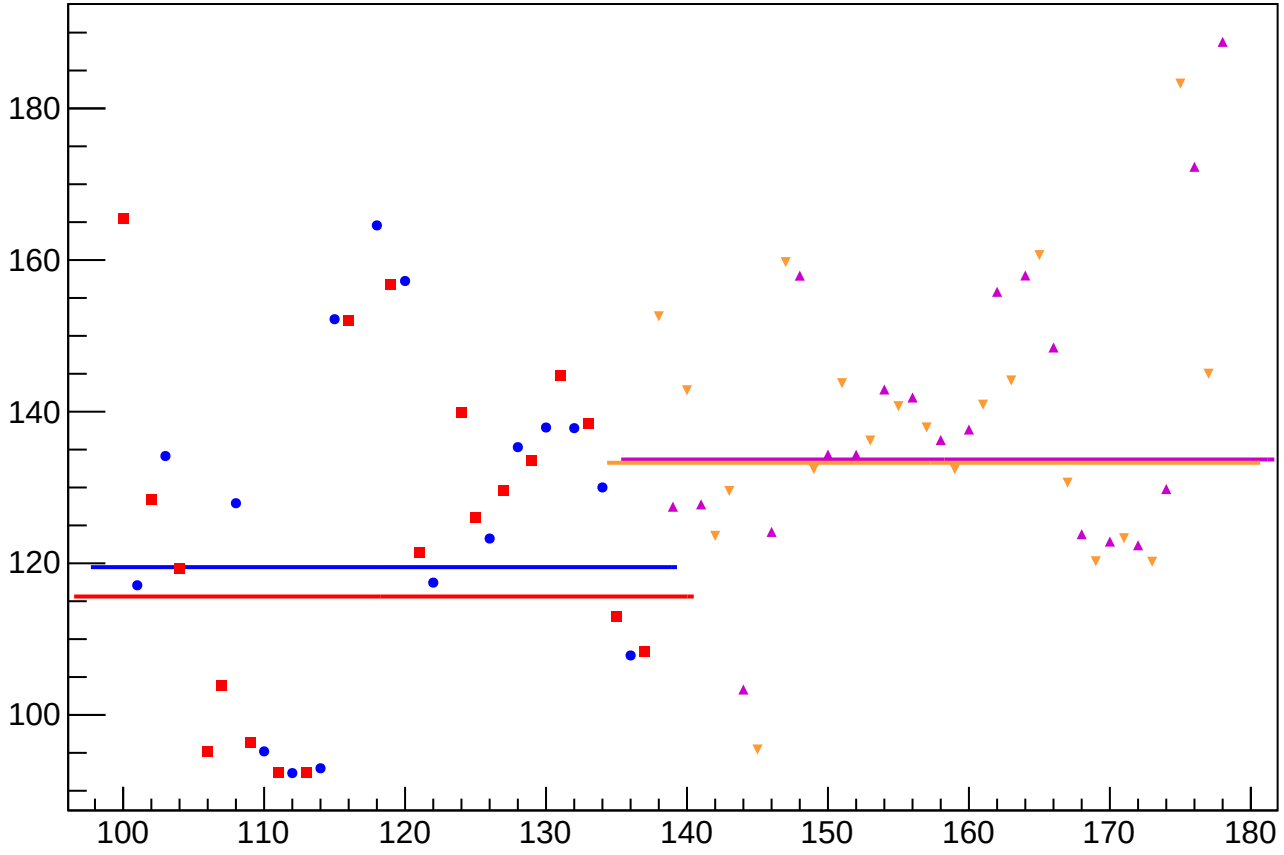
Left In: -267.968+/-33.639 χ^2/NDF:21.2/19

+ sign 200.459+/-26.715 χ^2/NDF: 40.5/36

All: -19.002+/-18.831 χ^2/NDF: 210.5/75

- sign -235.717+/-26.547 χ^2/NDF: 35.9/38

dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 133.262+/-0.023 χ^2/NDF:578624.4/20

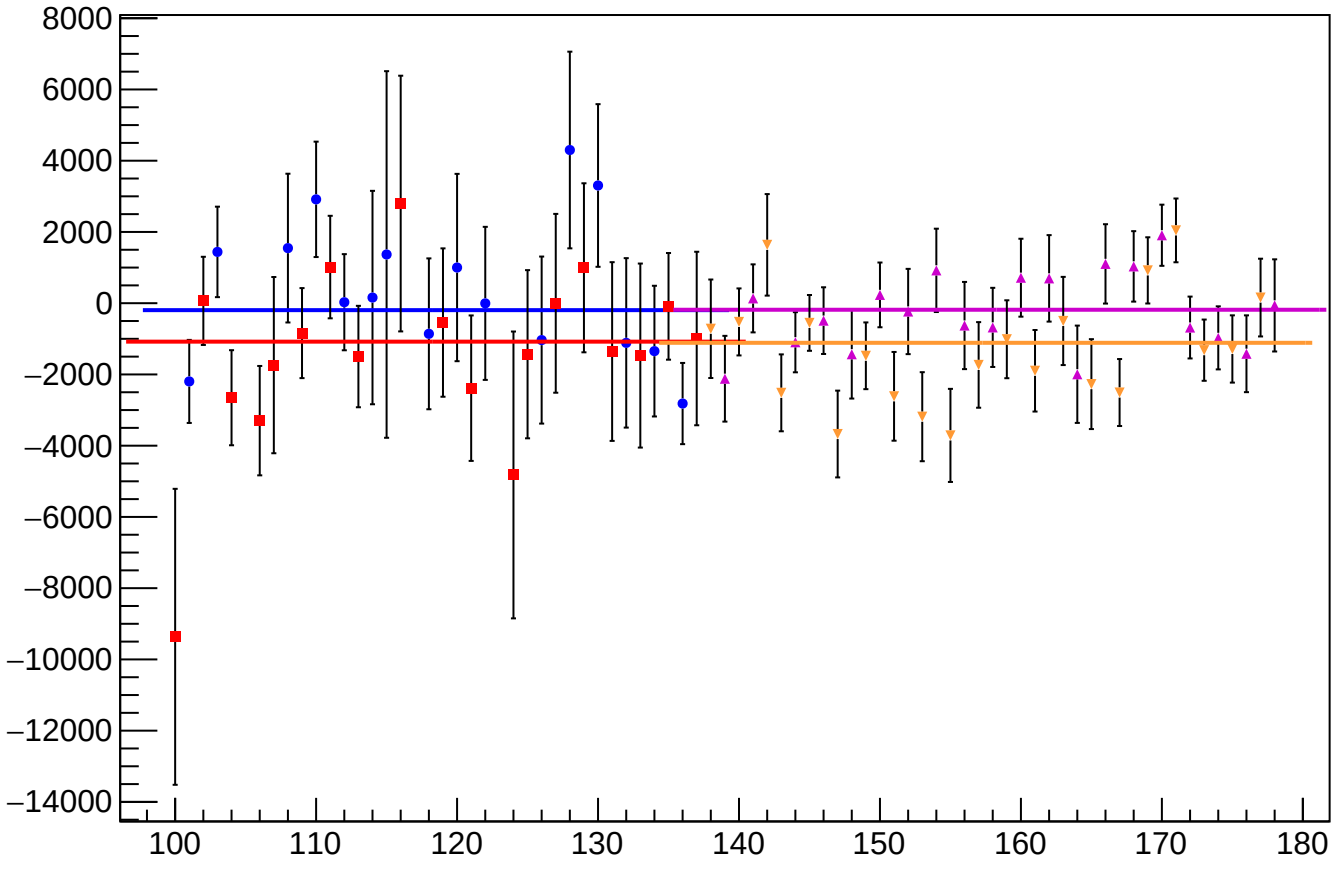
Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 133.694+/-0.024 χ^2/NDF:523825.5/19

+ sign 128.461+/-0.019 χ^2/NDF: 1079518.1/36

All: 127.664+/-0.013 χ^2/NDF: 2251577.8/75

- sign 126.877+/-0.019 χ^2/NDF: 1168521.0/38



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1111.918+/-230.978 χ^2/NDF:41.8/20

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

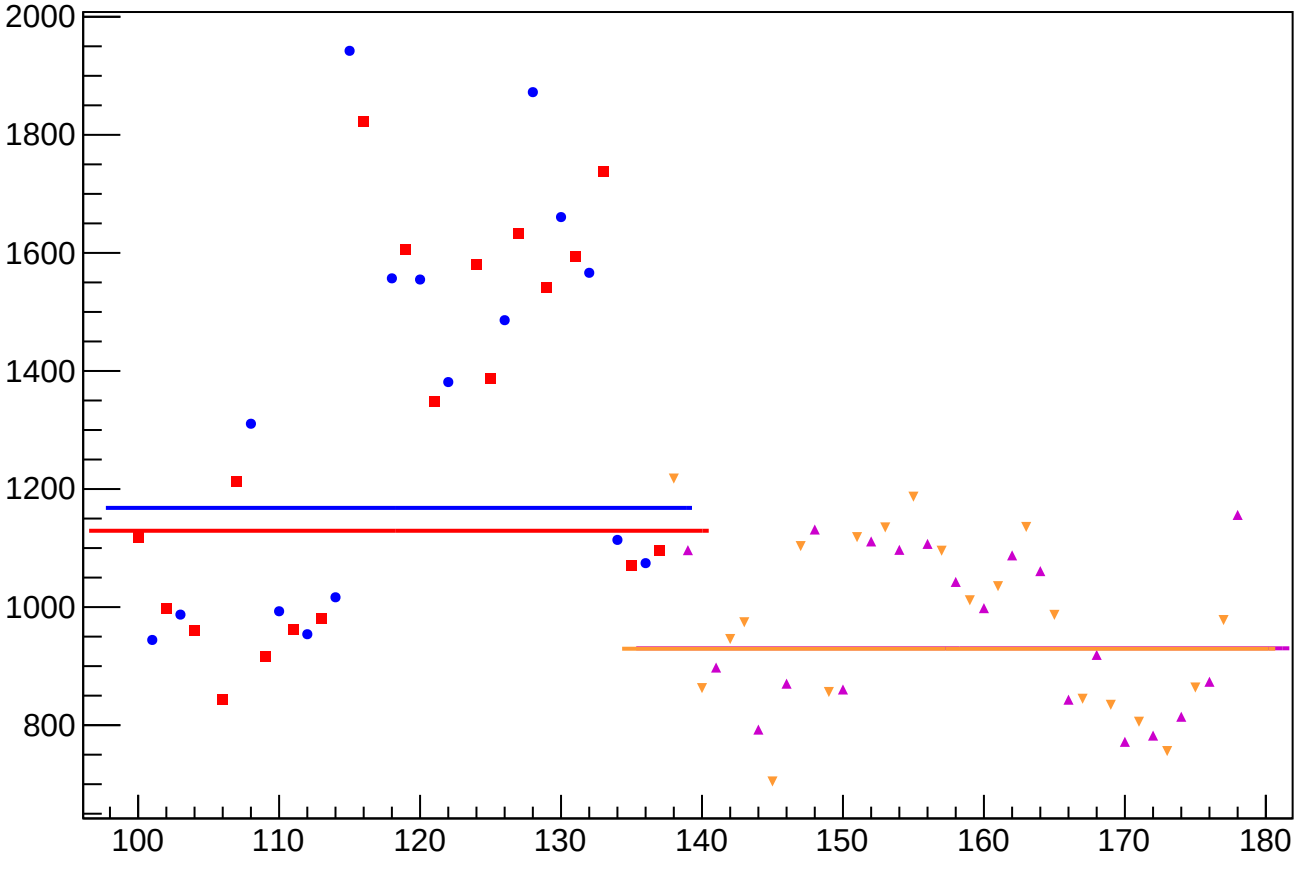
Left In: -183.973+/-233.178 χ^2/NDF:20.6/19

+ sign -918.933+/-205.234 χ^2/NDF: 65.5/36

All: -653.786+/-144.875 χ^2/NDF: 107.5/75

- sign -390.439+/-204.536 χ^2/NDF: 38.6/38

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 929.490+/-0.163 χ^2/NDF:793024.1/20

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

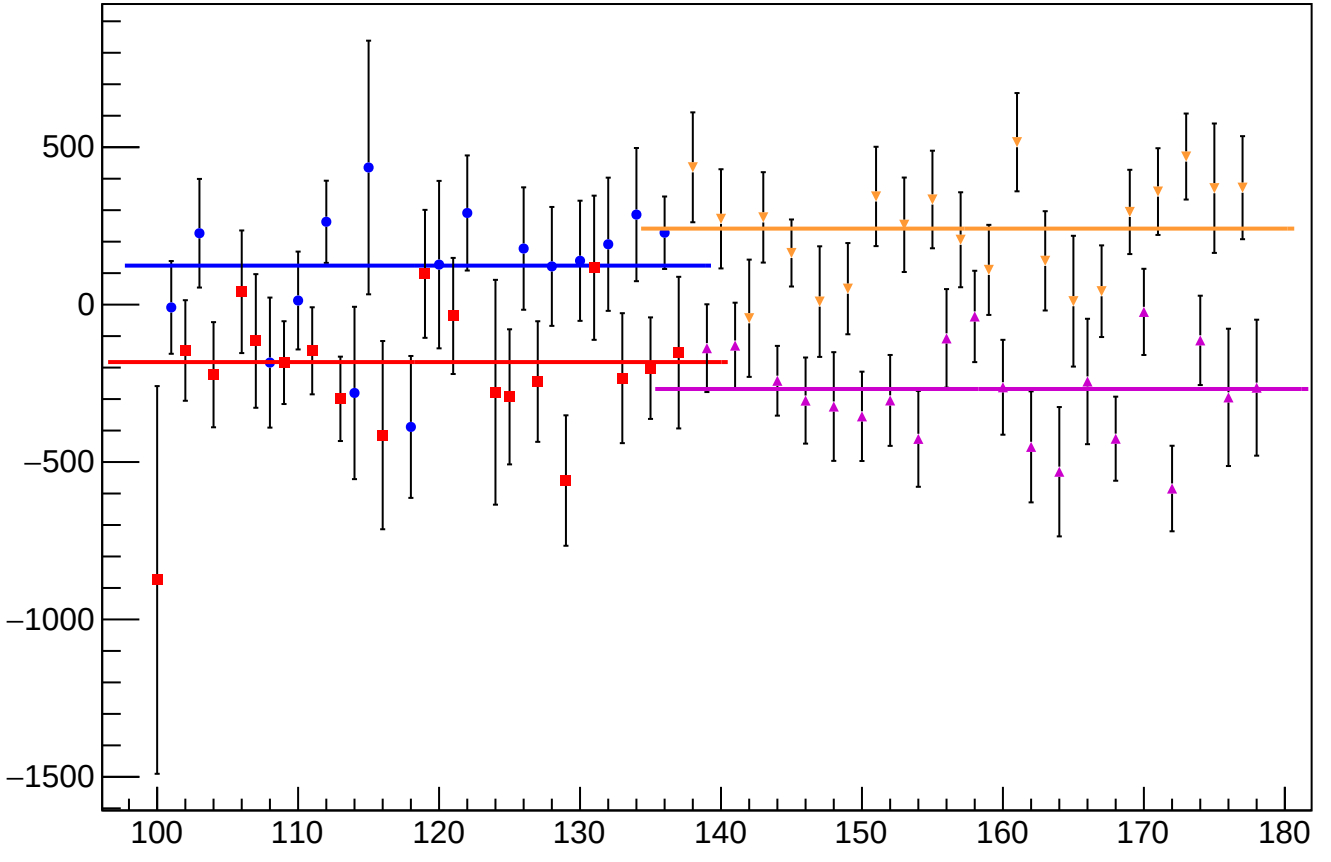
Left In: 930.206+/-0.165 χ^2/NDF:613868.9/19

+ sign 979.708+/-0.145 χ^2/NDF: 1951510.4/36

All: 977.906+/-0.102 χ^2/NDF: 3709161.8/75

- sign 976.117+/-0.145 χ^2/NDF: 1757344.2/38

eigen_dit_asym_sam_48_dd_mean vs Slug



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 241.461+/-33.104 χ^2/NDF:20.7/20

Right Out: -182.468+/-43.224 χ^2/NDF: 12.3/18

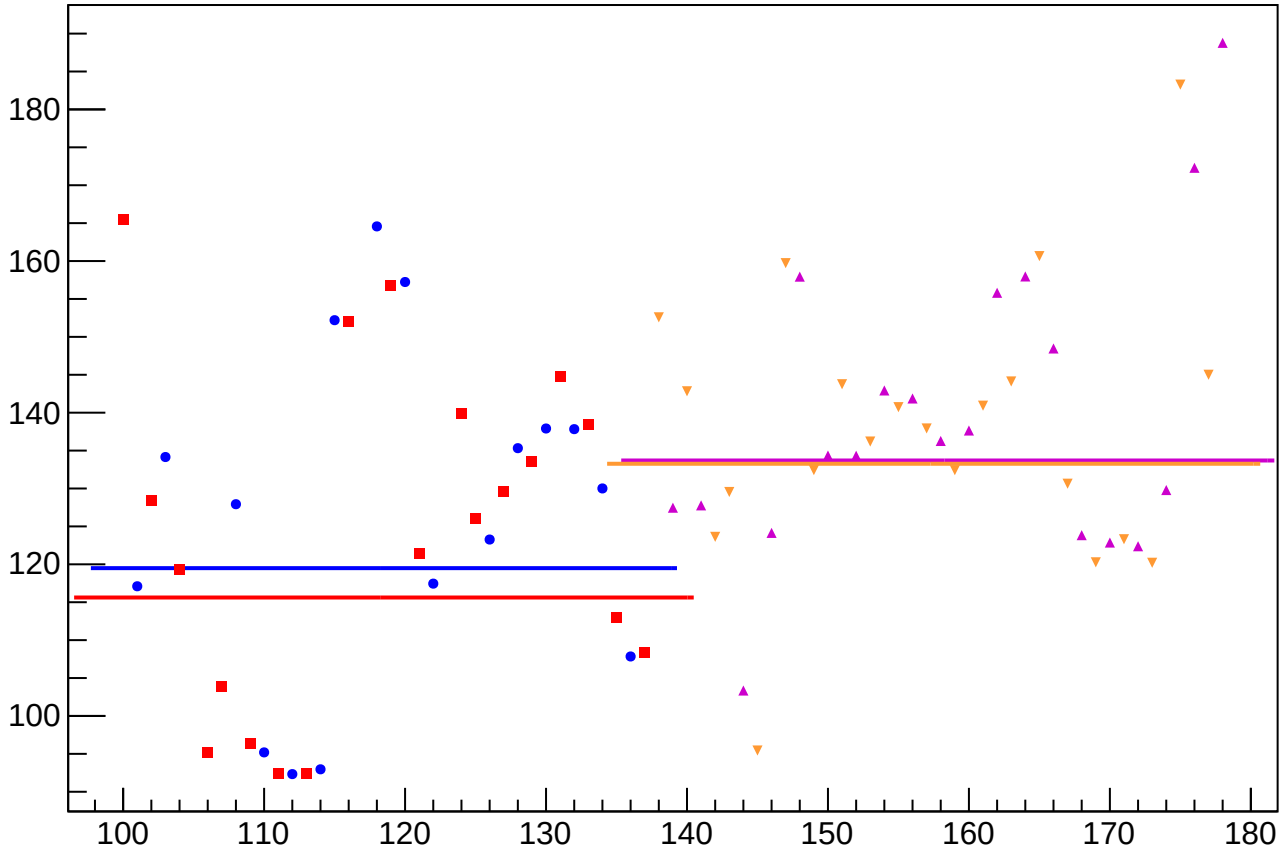
Left In: -267.969+/-33.639 χ^2/NDF:21.2/19

+ sign 200.461+/-26.715 χ^2/NDF: 40.5/36

All: -19.001+/-18.831 χ^2/NDF: 210.5/75

- sign -235.717+/-26.547 χ^2/NDF: 35.9/38

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 133.262+/-0.023 χ^2/NDF:578623.8/20

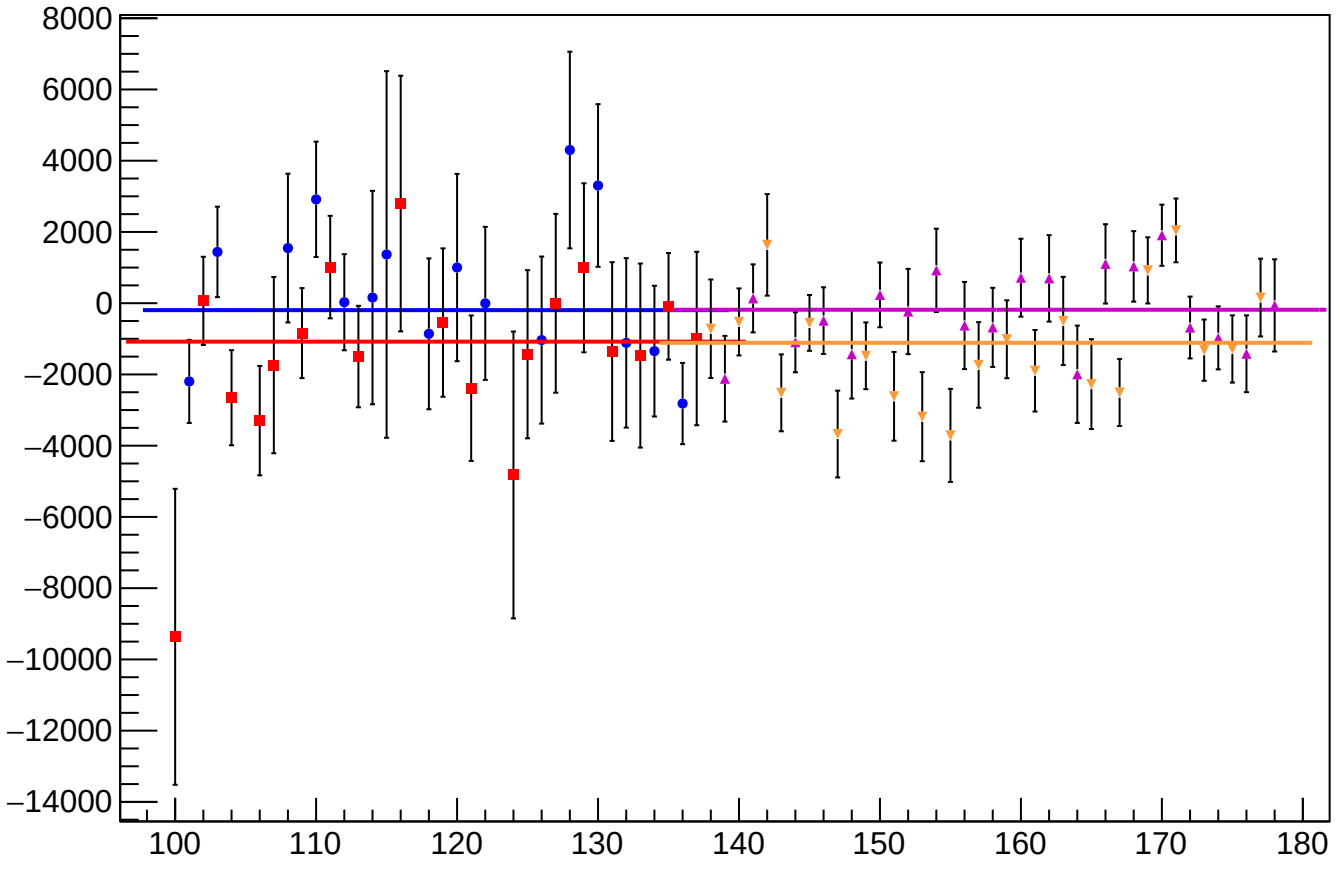
Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 133.694+/-0.024 χ^2/NDF:523818.8/19

+ sign 128.461+/-0.019 χ^2/NDF: 1079520.5/36

All: 127.664+/-0.013 χ^2/NDF: 2251579.3/75

- sign 126.877+/-0.019 χ^2/NDF: 1168520.0/38



Right In: -195.085+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1111.916+/-230.978 χ^2/NDF:41.8/20

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

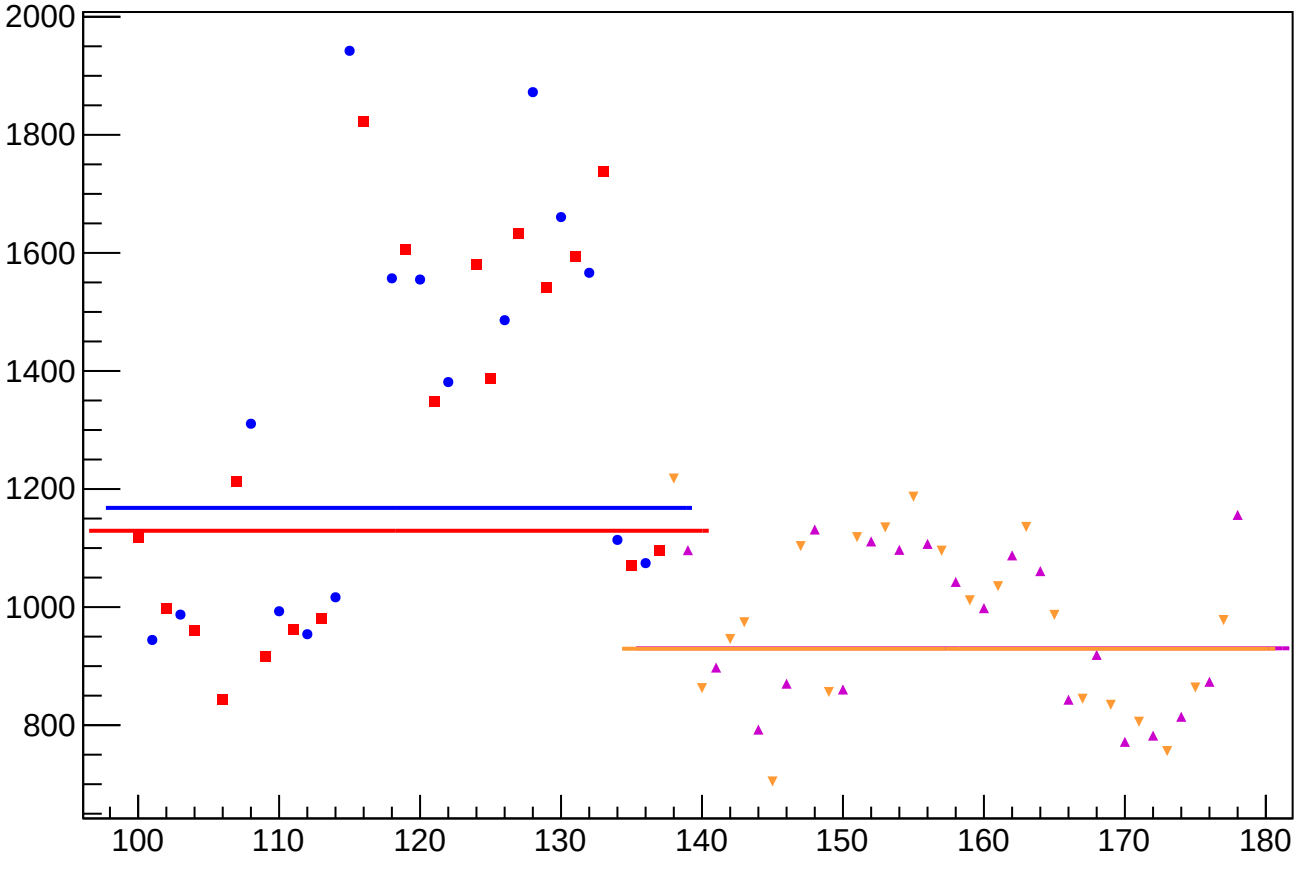
Left In: -183.972+/-233.178 χ^2/NDF:20.6/19

+ sign -918.931+/-205.234 χ^2/NDF: 65.5/36

All: -653.785+/-144.875 χ^2/NDF: 107.5/75

- sign -390.438+/-204.536 χ^2/NDF: 38.6/38

asym_sam_48_dd_eigen_dit_correction_rms vs Slug



Right In: 1168.063+/-0.316 χ^2/NDF: 709365.6/15

Left Out: 929.489+/-0.163 χ^2/NDF:793028.0/20

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

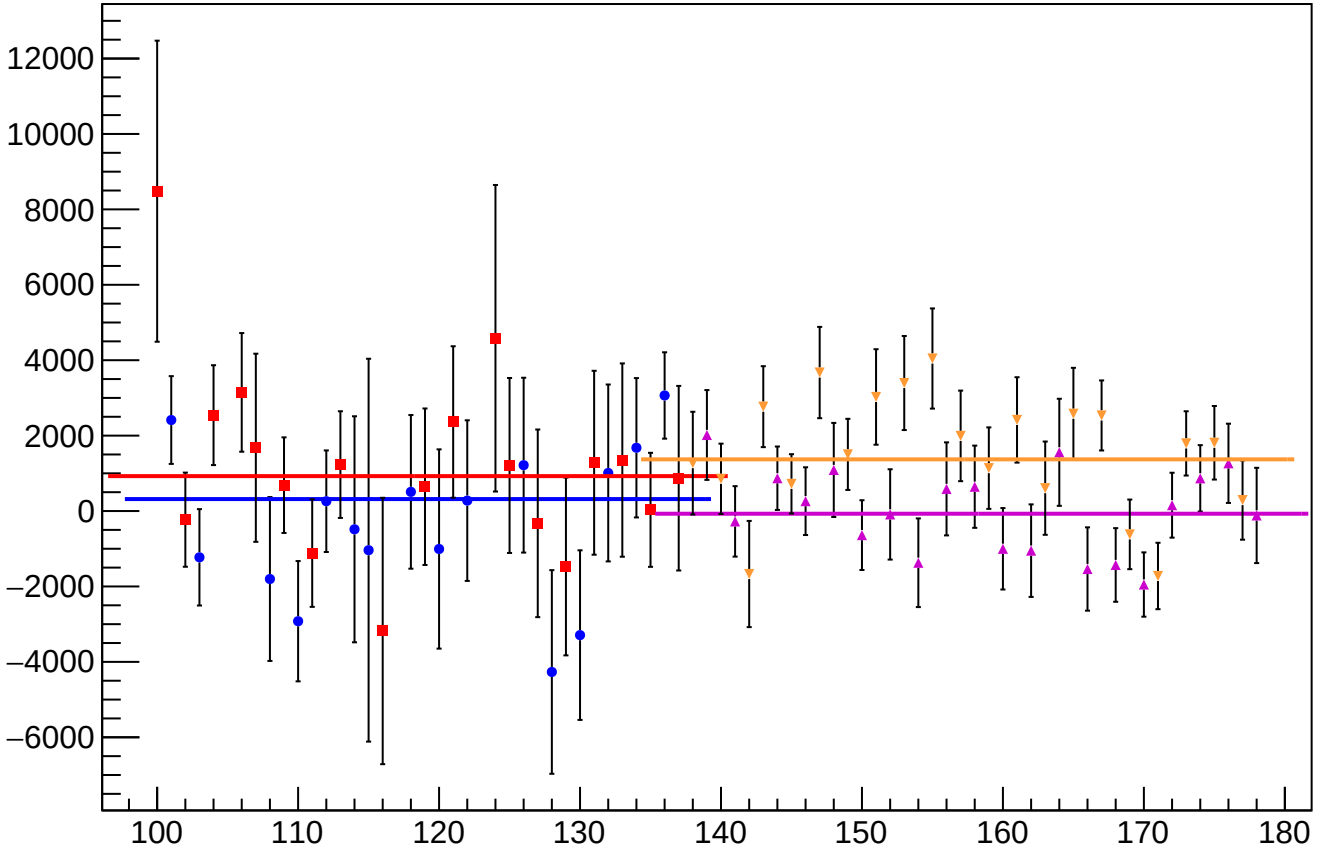
Left In: 930.205+/-0.165 χ^2/NDF:613868.7/19

\+ sign 979.707+/-0.145 χ^2/NDF: 1951519.7/36

All: 977.905+/-0.102 χ^2/NDF: 3709174.7/75

\- sign 976.116+/-0.145 χ^2/NDF: 1757347.8/38

asym_sam_48_dd_mean vs Slug



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

Left Out: 1371.175+/-229.820 χ^2/NDF:42.0/20

Right Out: 926.036+/-425.405 χ^2/NDF: 14.5/18

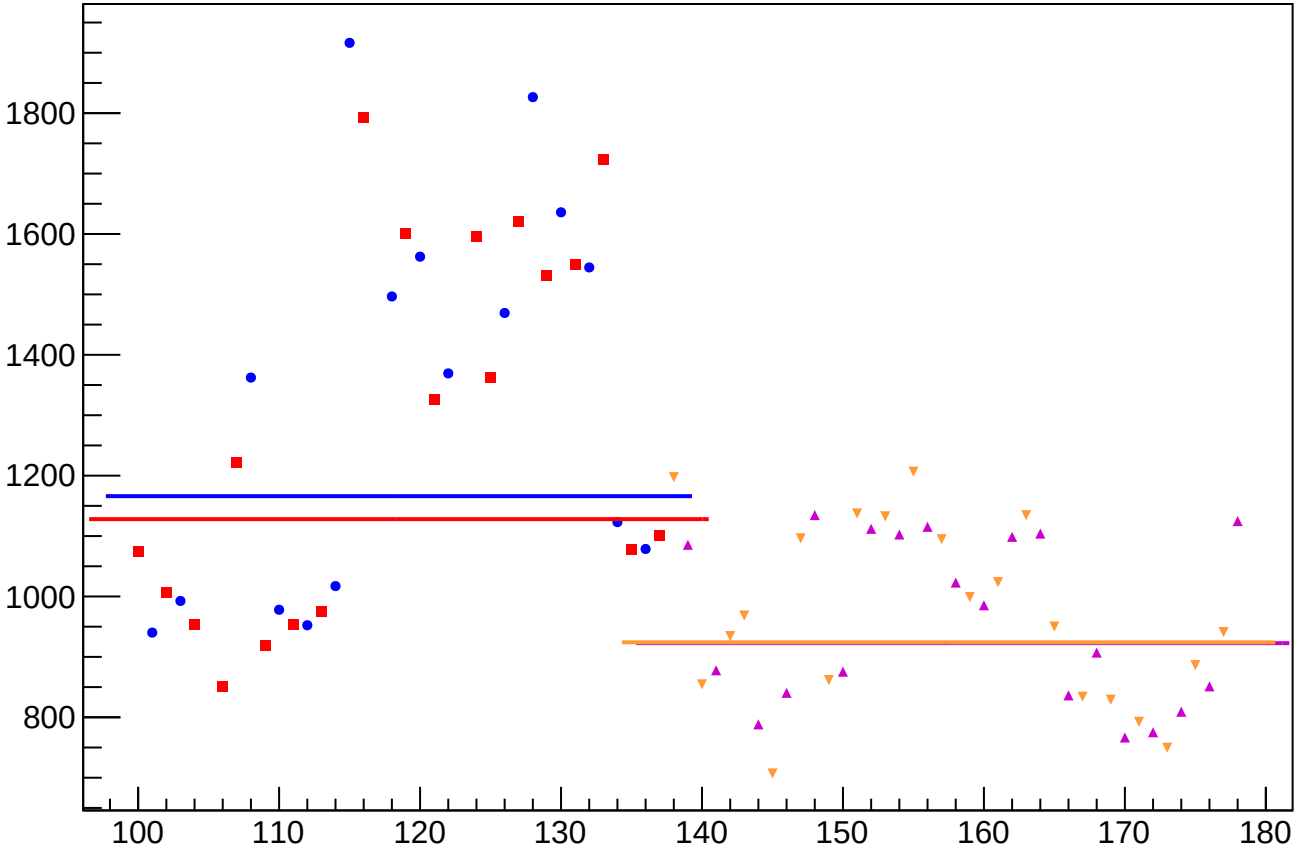
Left In: -71.048+/-231.431 χ^2/NDF:21.8/19

\+ sign 1150.338+/-204.325 χ^2/NDF: 68.6/36

All: 650.985+/-144.114 χ^2/NDF: 121.0/75

\- sign 156.659+/-203.294 χ^2/NDF: 40.5/38

asym_sam_48_dd_rms vs Slug



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 924.107+/-0.163 χ^2/NDF:796066.5/20

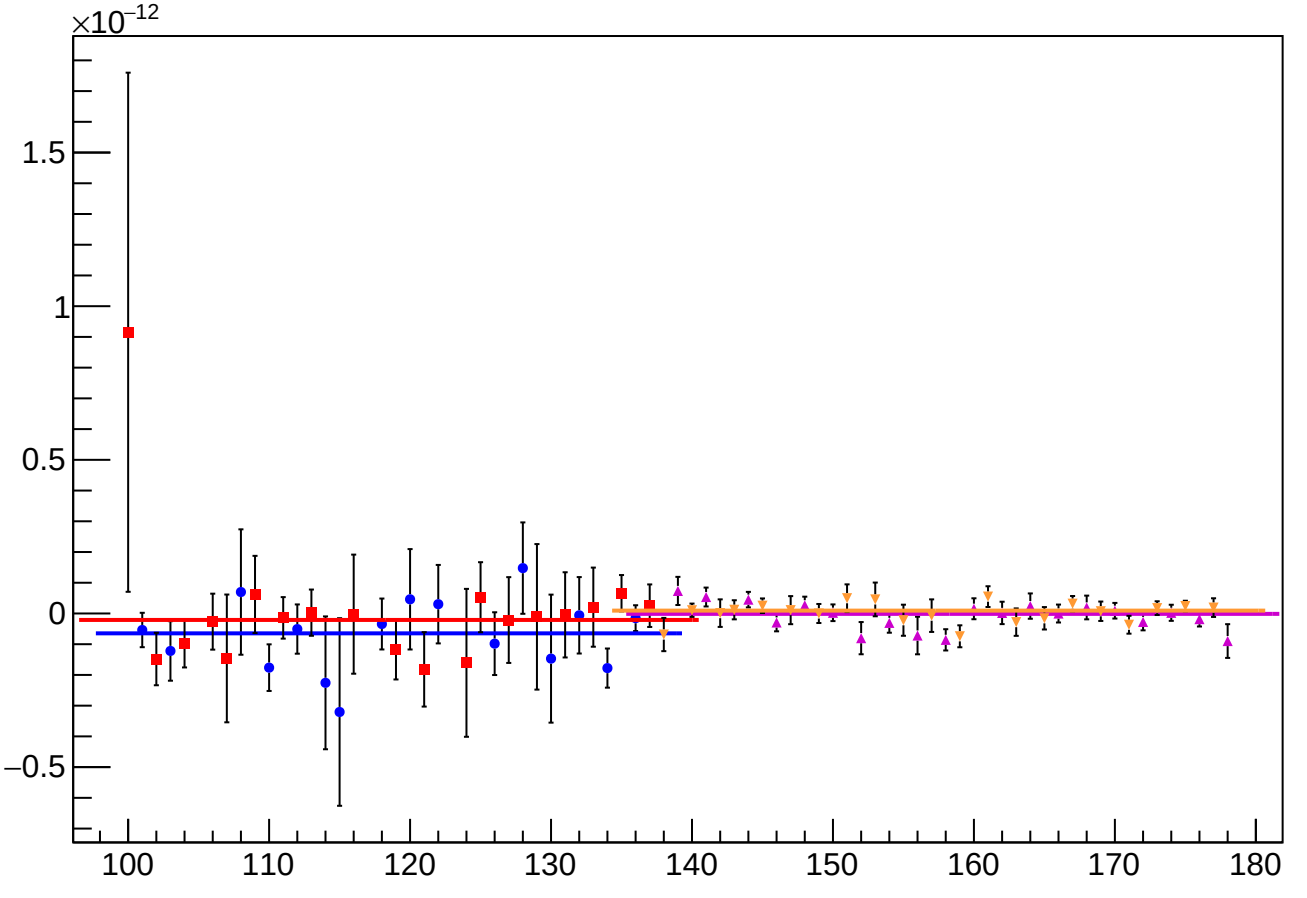
Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 922.758+/-0.164 χ^2/NDF:647982.9/19

+ sign 974.810+/-0.144 χ^2/NDF: 1937660.9/36

All: 972.207+/-0.102 χ^2/NDF: 3721304.0/75

- sign 969.631+/-0.144 χ^2/NDF: 1782997.3/38



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.1/20

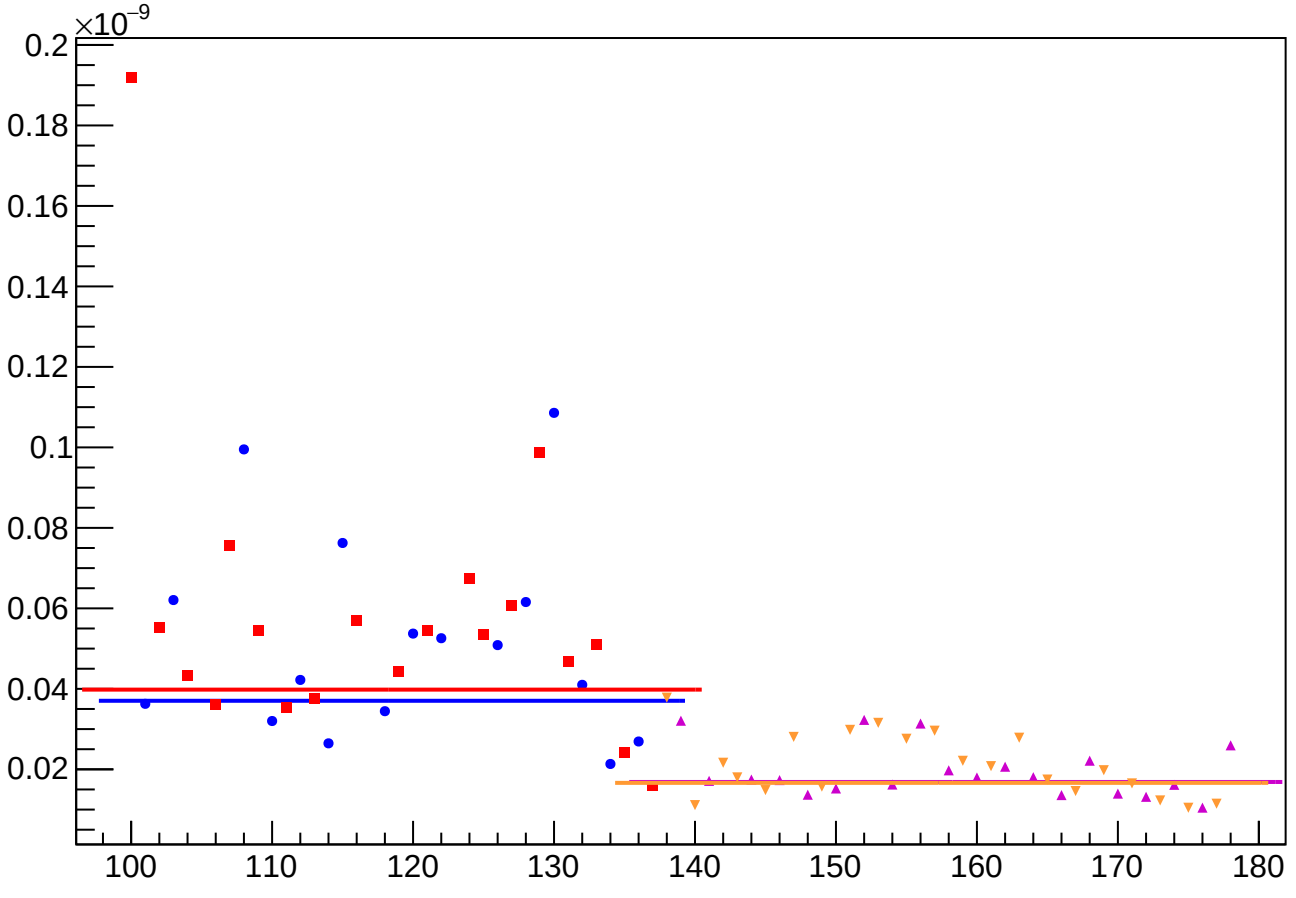
Right Out: -0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: -0.000+/-0.000 χ^2/NDF:26.7/19

+ sign 0.000+/-0.000 χ^2/NDF: 40.1/36

All: 0.000+/-0.000 χ^2/NDF: 79.3/75

- sign -0.000+/-0.000 χ^2/NDF: 38.8/38



Right In: 0.000+/-0.000 χ^2/NDF: 995390.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1761504.7/20

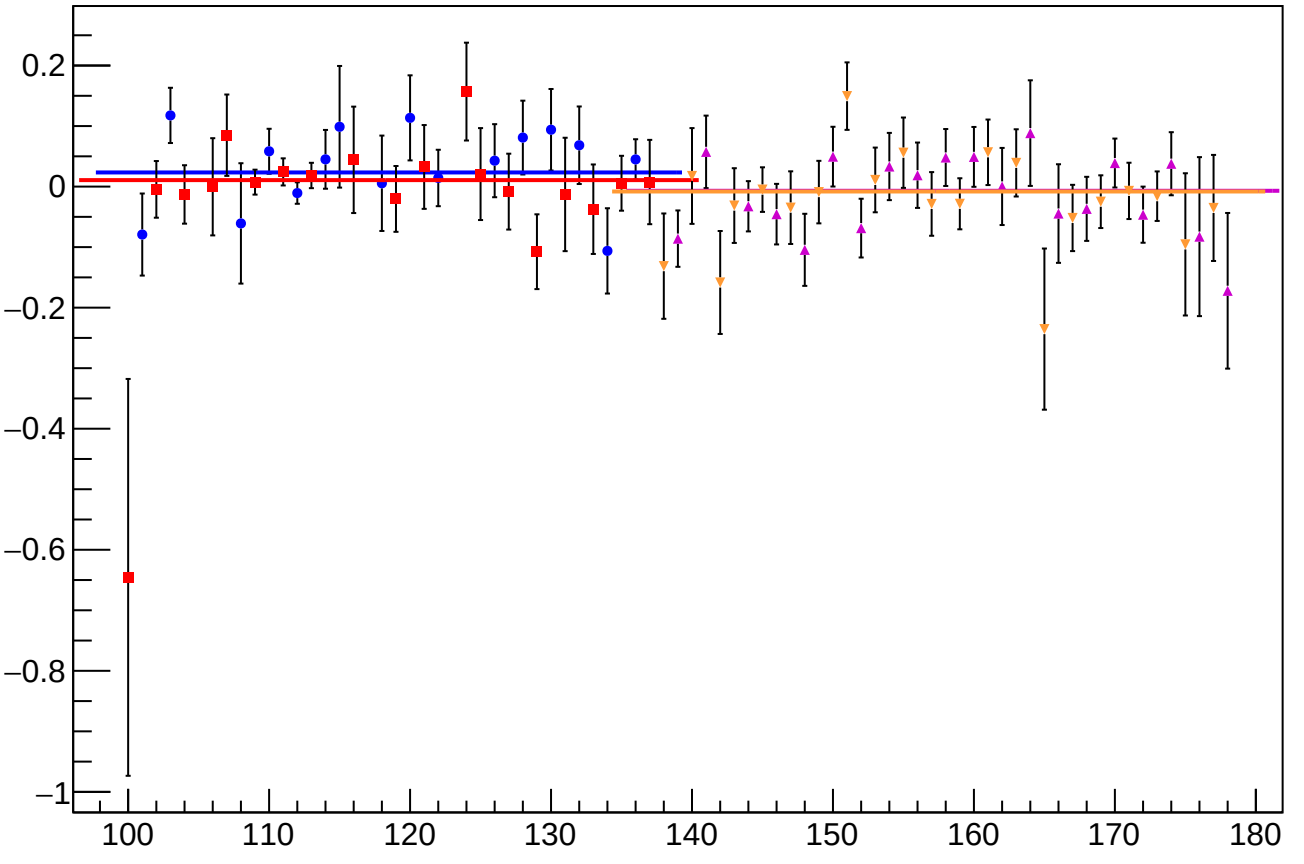
Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

Left In: 0.000+/-0.000 χ^2/NDF:903728.2/19

+ sign 0.000+/-0.000 χ^2/NDF: 4350037.8/36

All: 0.000+/-0.000 χ^2/NDF: 7963318.2/75

- sign 0.000+/-0.000 χ^2/NDF: 3609171.7/38



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-0.012 χ^2/NDF:21.8/20

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

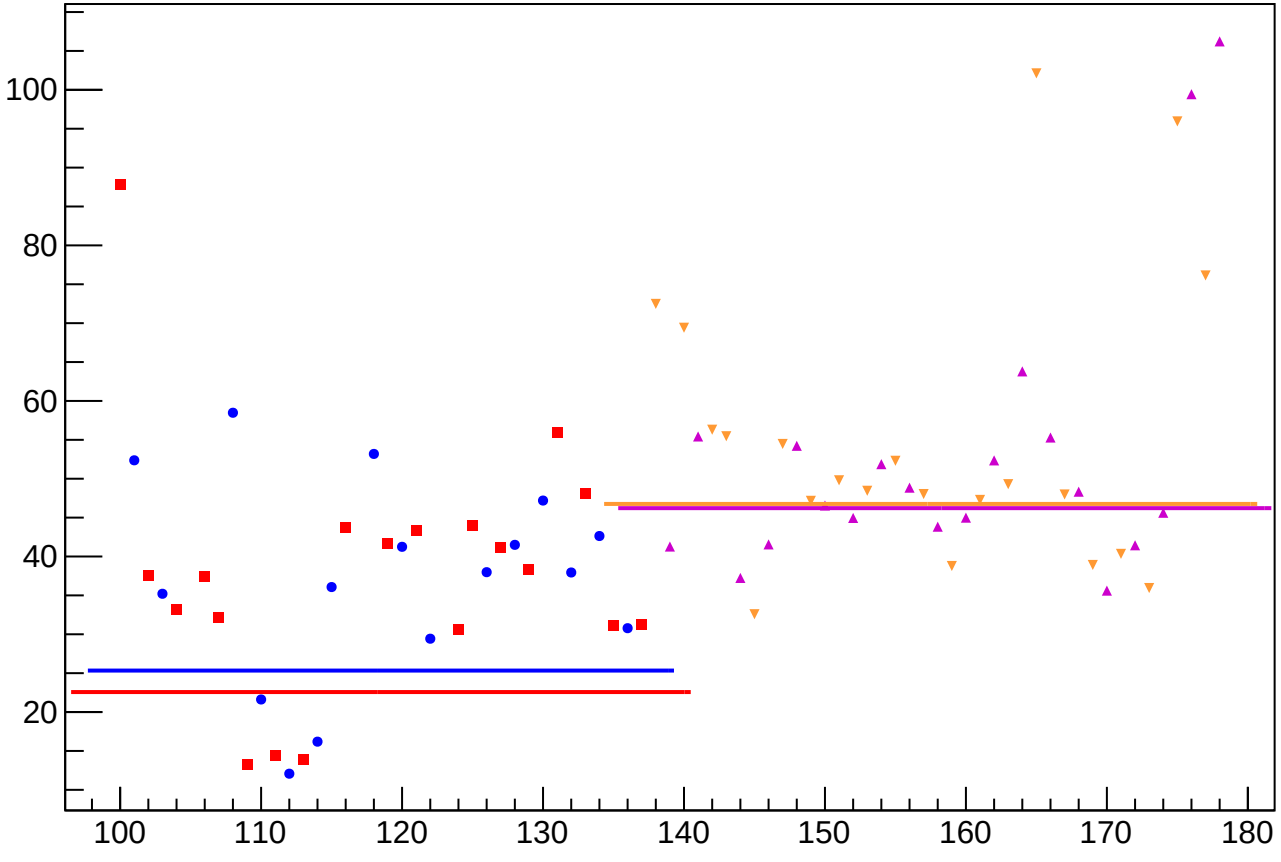
Left In: -0.007+/-0.012 χ^2/NDF:20.5/19

+ sign 0.009+/-0.008 χ^2/NDF: 46.3/36

All: 0.006+/-0.006 χ^2/NDF: 82.5/75

- sign 0.004+/-0.008 χ^2/NDF: 36.0/38

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: 46.759+/-0.009 χ^2/NDF:2001232.4/20

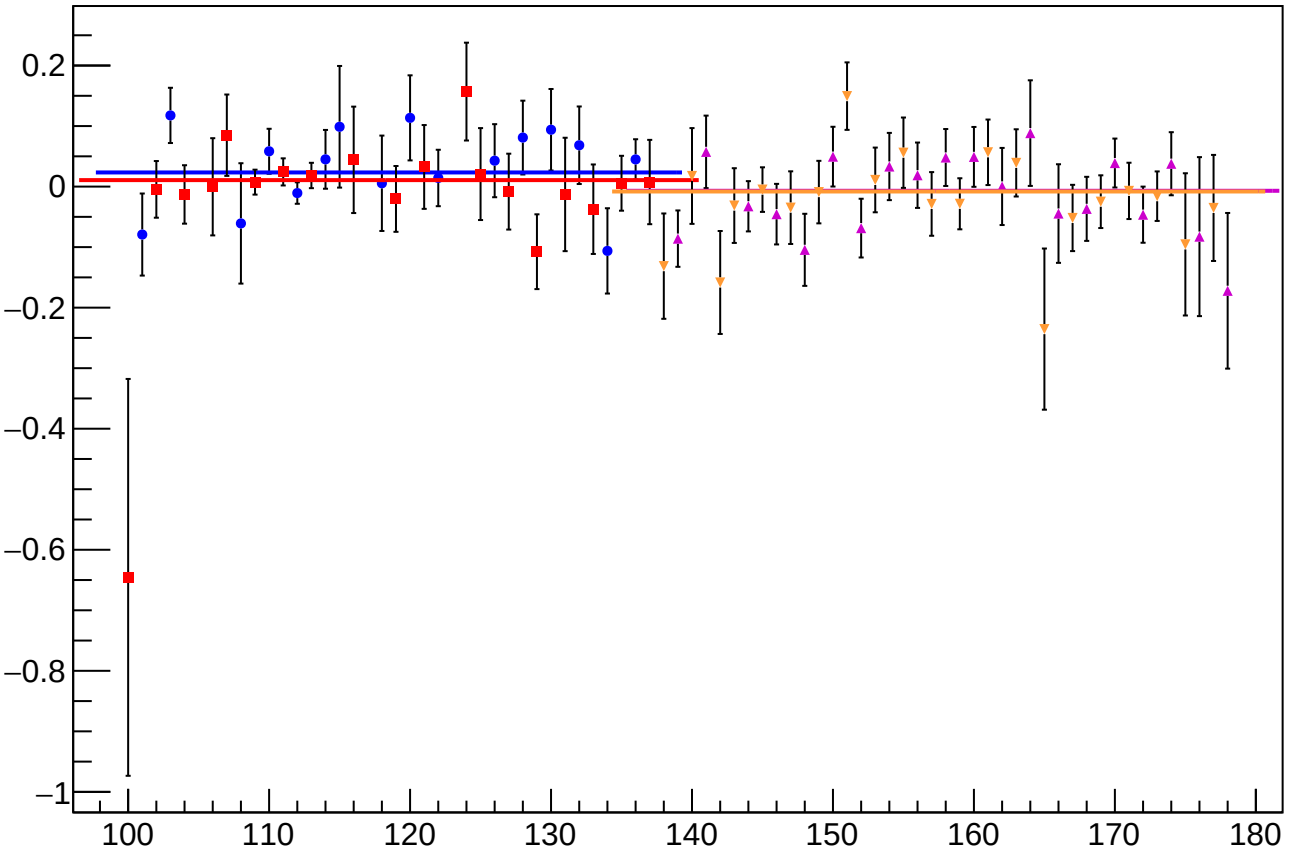
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 46.216+/-0.009 χ^2/NDF:1301117.3/19

+ sign 35.086+/-0.006 χ^2/NDF: 8337003.7/36

All: 33.396+/-0.004 χ^2/NDF: 17542291.9/75

- sign 31.926+/-0.005 χ^2/NDF: 9045360.5/38



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-0.012 χ^2/NDF:21.8/20

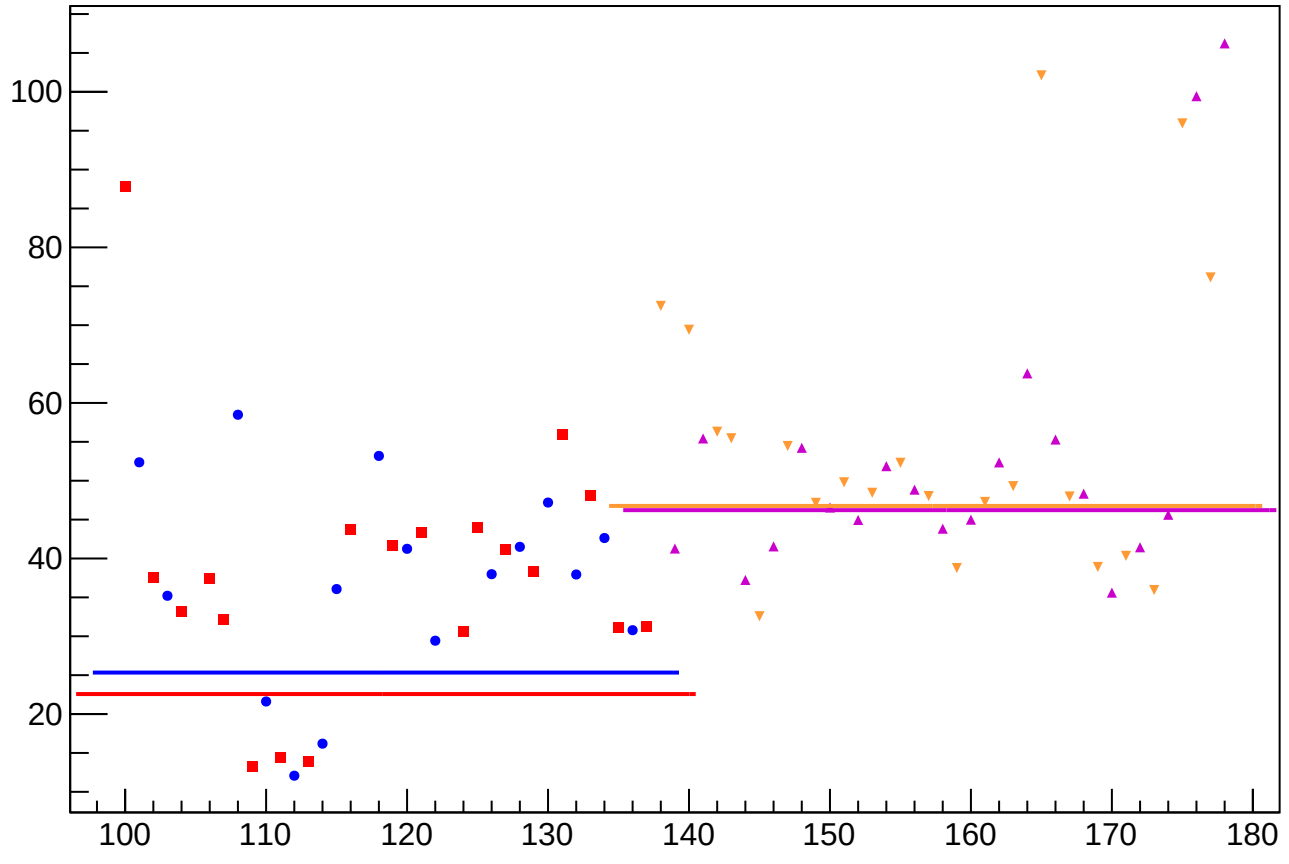
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.007+/-0.012 χ^2/NDF:20.5/19

+ sign 0.009+/-0.008 χ^2/NDF: 46.3/36

All: 0.006+/-0.006 χ^2/NDF: 82.5/75

- sign 0.004+/-0.008 χ^2/NDF: 36.0/38



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 46.759+/-0.009 χ^2/NDF:2001232.4/20

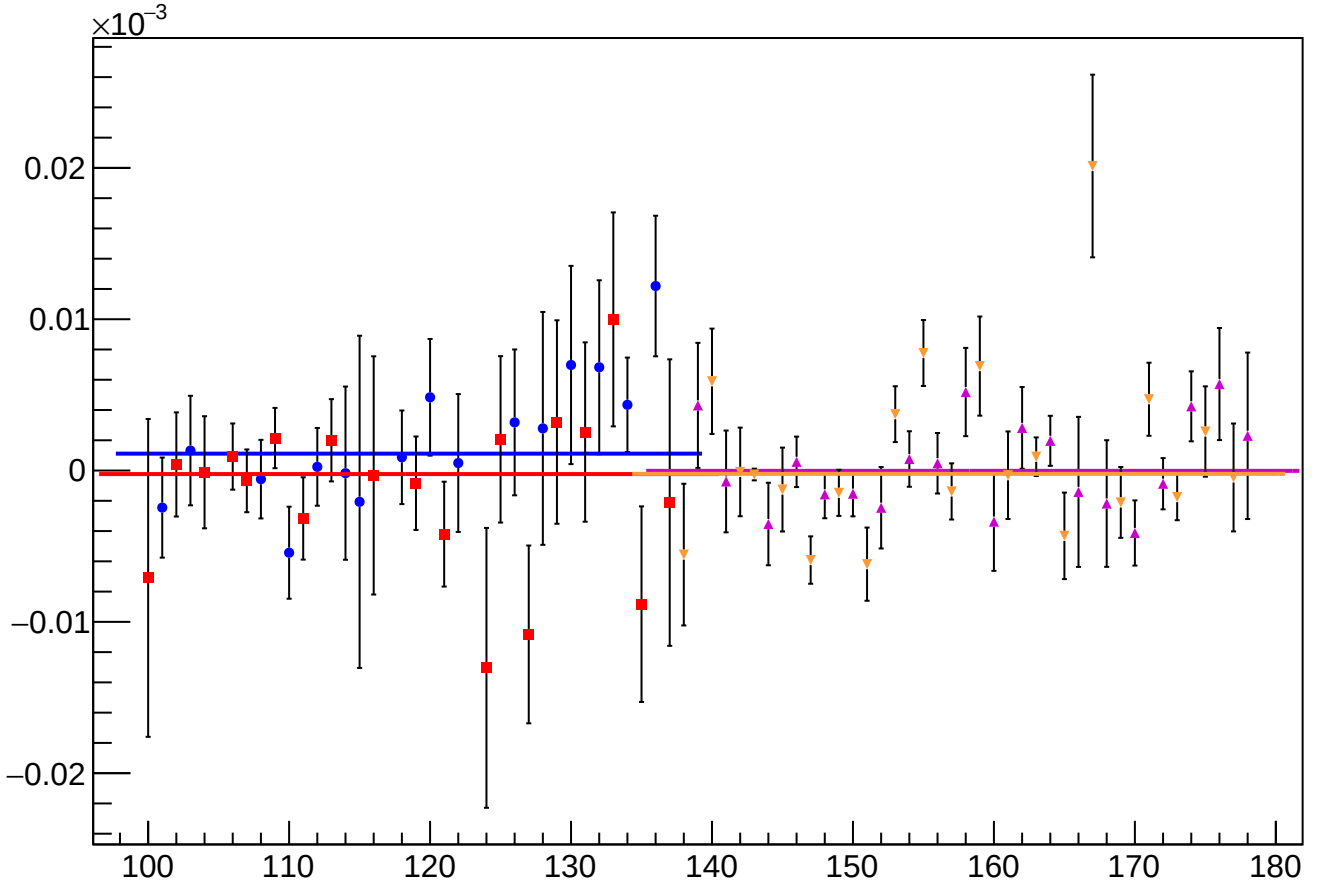
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 46.216+/-0.009 χ^2/NDF:1301117.3/19

+ sign 35.086+/-0.006 χ^2/NDF: 8337003.7/36

All: 33.396+/-0.004 χ^2/NDF: 17542291.9/75

- sign 31.926+/-0.005 χ^2/NDF: 9045360.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:68.6/20

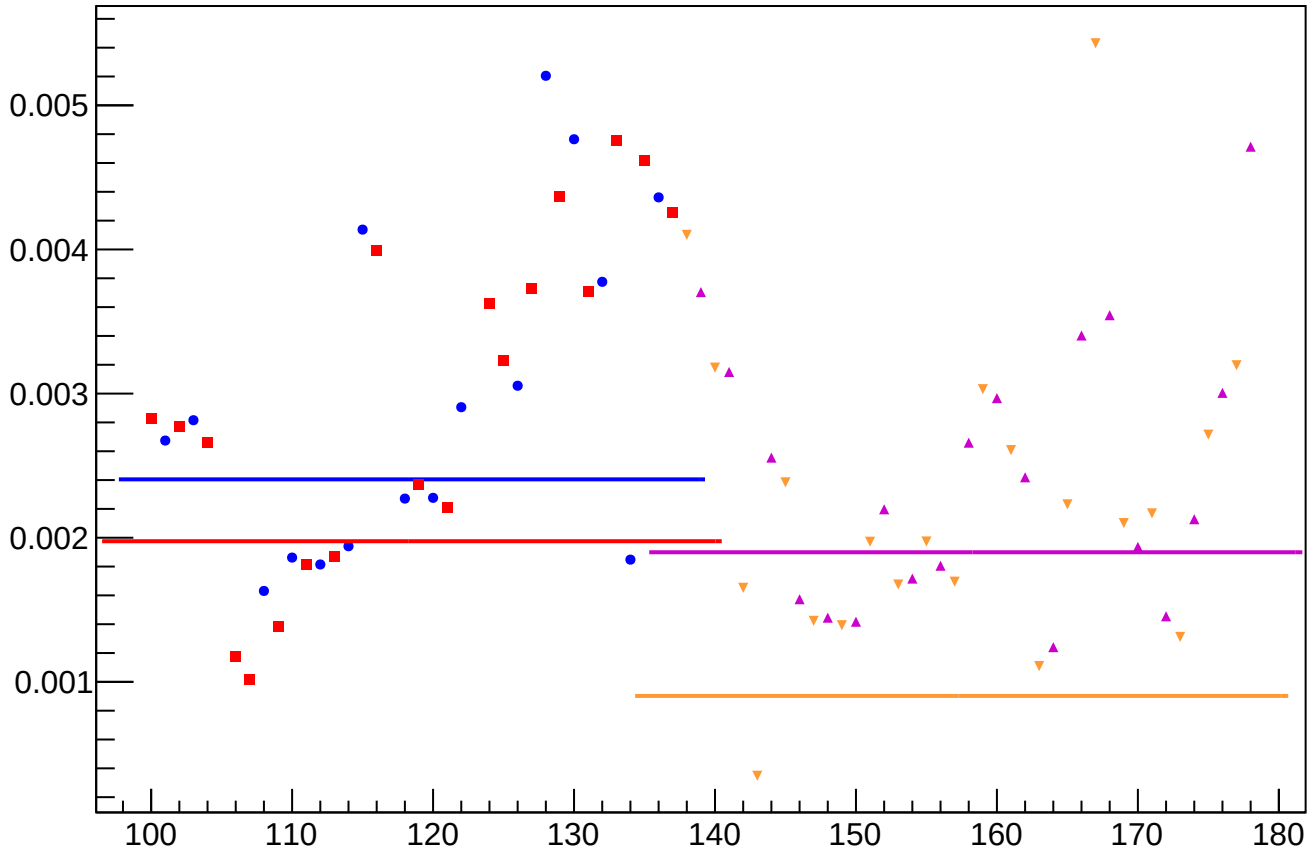
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/18

Left In: -0.000+/-0.000 χ^2/NDF:23.0/19

+ sign -0.000+/-0.000 χ^2/NDF: 86.6/36

All: -0.000+/-0.000 χ^2/NDF: 124.7/75

- sign -0.000+/-0.000 χ^2/NDF: 38.2/38



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:14563503.9/20

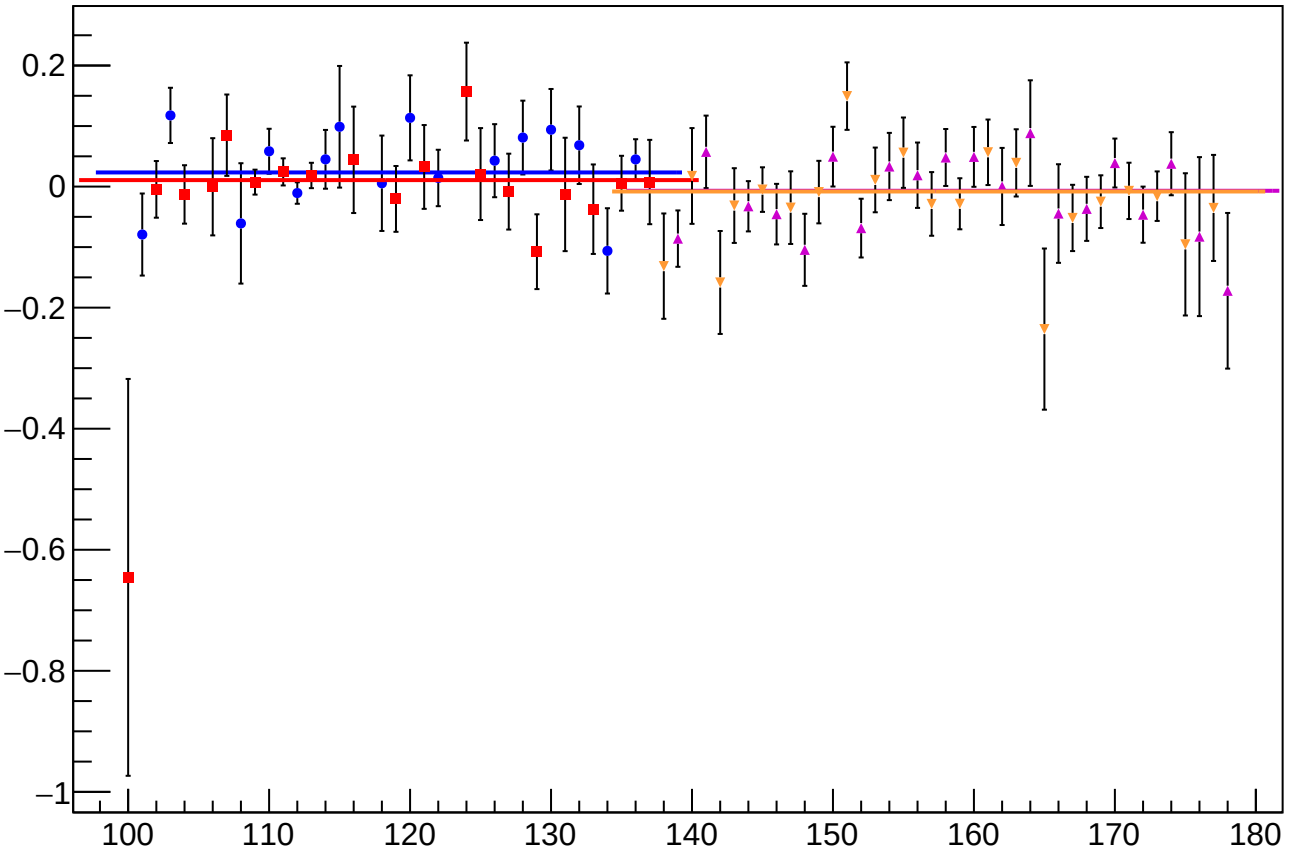
Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.002+/-0.000 χ^2/NDF:3368363.3/19

+ sign 0.001+/-0.000 χ^2/NDF: 20634272.8/36

All: 0.001+/-0.000 χ^2/NDF: 32522897.4/75

- sign 0.002+/-0.000 χ^2/NDF: 6156454.2/38



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-0.012 χ^2/NDF:21.8/20

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

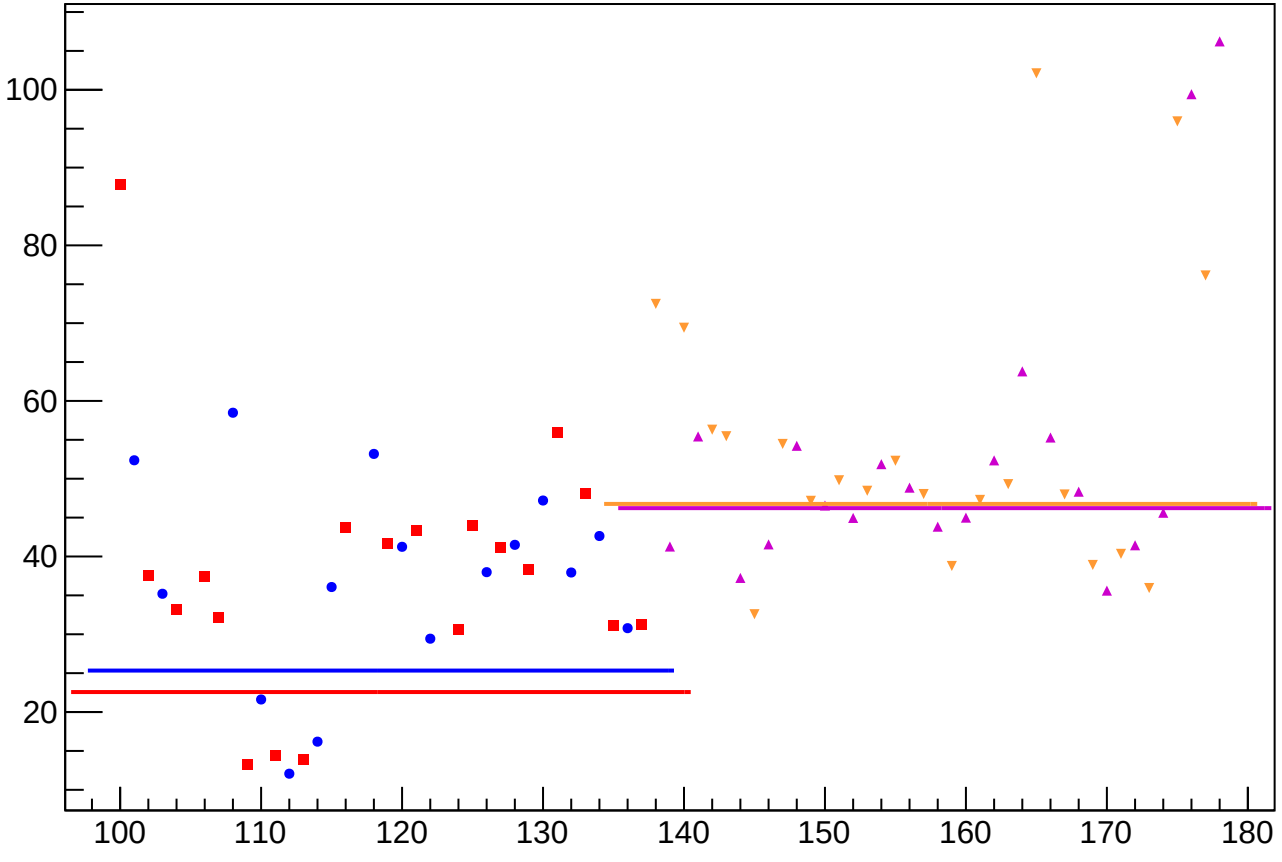
Left In: -0.007+/-0.012 χ^2/NDF:20.5/19

+ sign 0.009+/-0.008 χ^2/NDF: 46.3/36

All: 0.006+/-0.006 χ^2/NDF: 82.5/75

- sign 0.004+/-0.008 χ^2/NDF: 36.0/38

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 46.759+/-0.009 χ^2/NDF:2001190.5/20

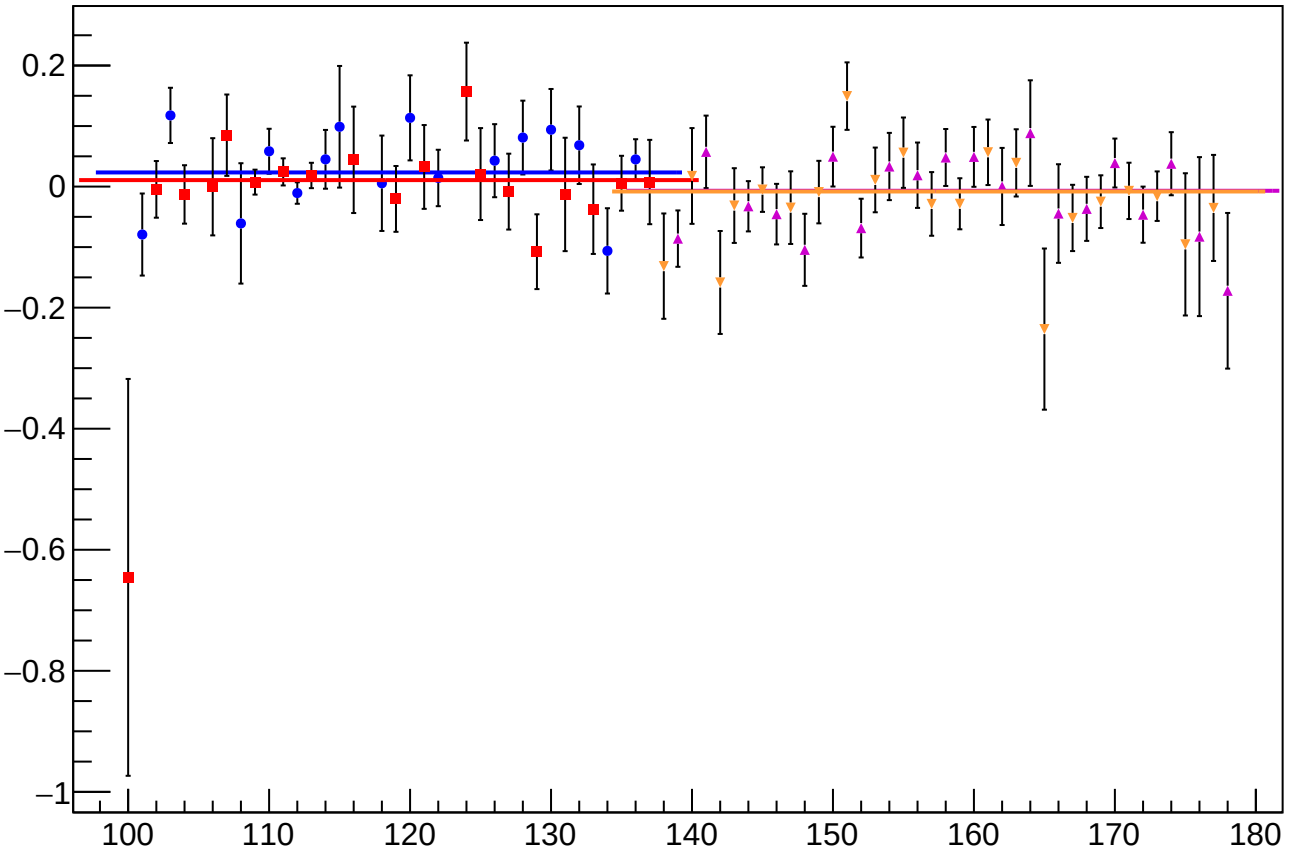
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 46.216+/-0.009 χ^2/NDF:1301084.6/19

+ sign 35.085+/-0.006 χ^2/NDF: 8337958.5/36

All: 33.395+/-0.004 χ^2/NDF: 17543508.2/75

- sign 31.926+/-0.005 χ^2/NDF: 9045694.1/38



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-0.012 χ^2/NDF:21.8/20

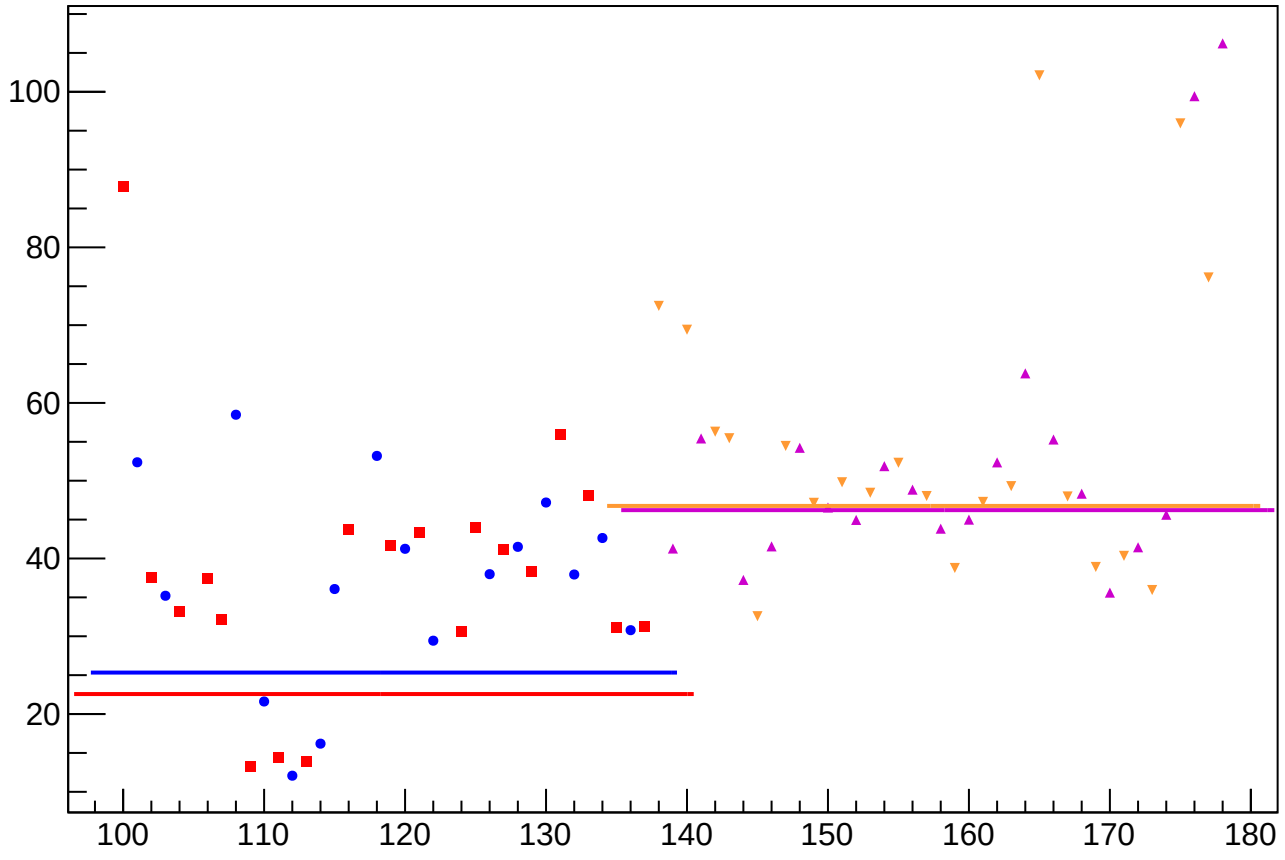
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.007+/-0.012 χ^2/NDF:20.5/19

+ sign 0.009+/-0.008 χ^2/NDF: 46.3/36

All: 0.006+/-0.006 χ^2/NDF: 82.5/75

- sign 0.004+/-0.008 χ^2/NDF: 36.0/38



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 46.759+/-0.009 χ^2/NDF:2001190.5/20

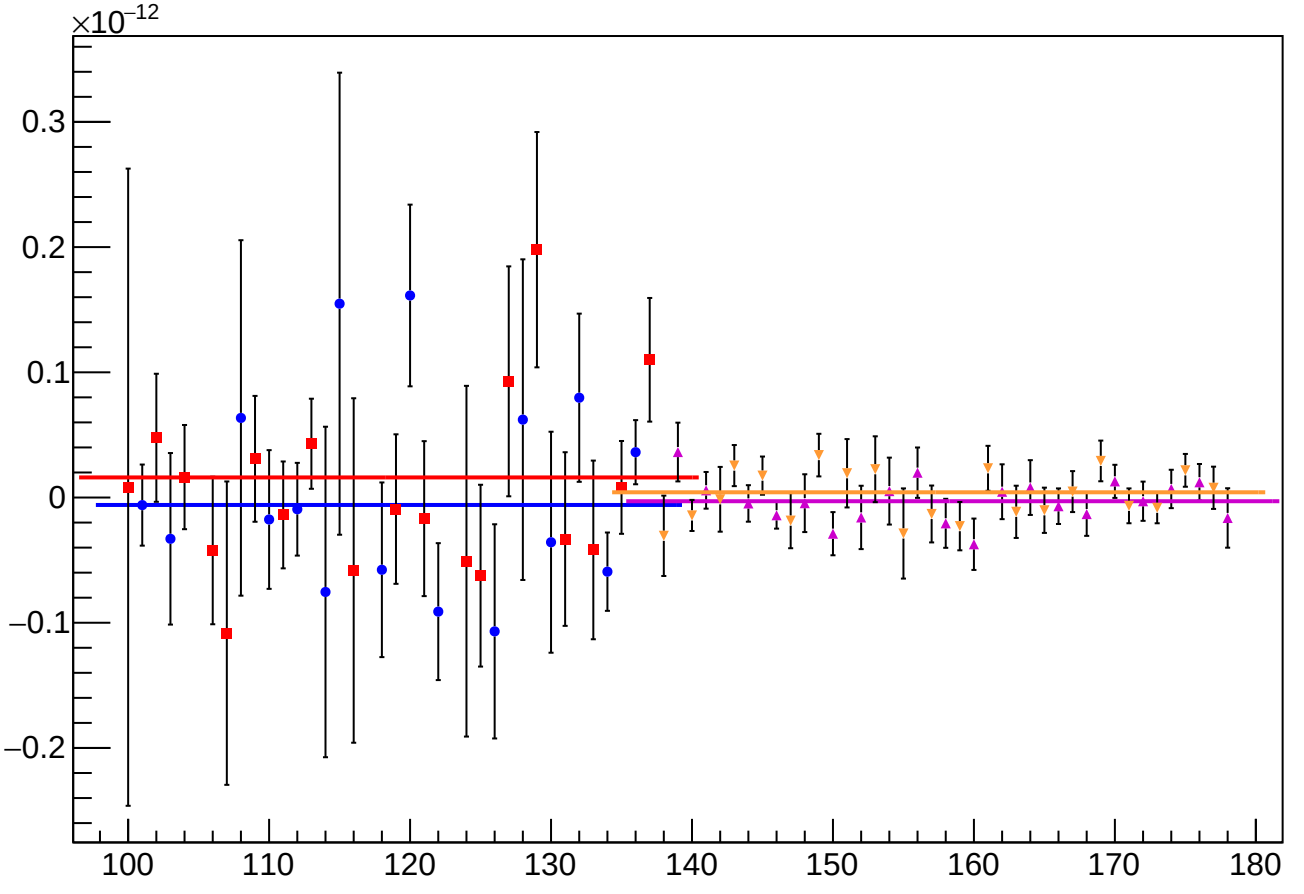
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 46.216+/-0.009 χ^2/NDF:1301084.6/19

+ sign 35.085+/-0.006 χ^2/NDF: 8337958.5/36

All: 33.395+/-0.004 χ^2/NDF: 17543508.2/75

- sign 31.926+/-0.005 χ^2/NDF: 9045694.1/38



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.3/20

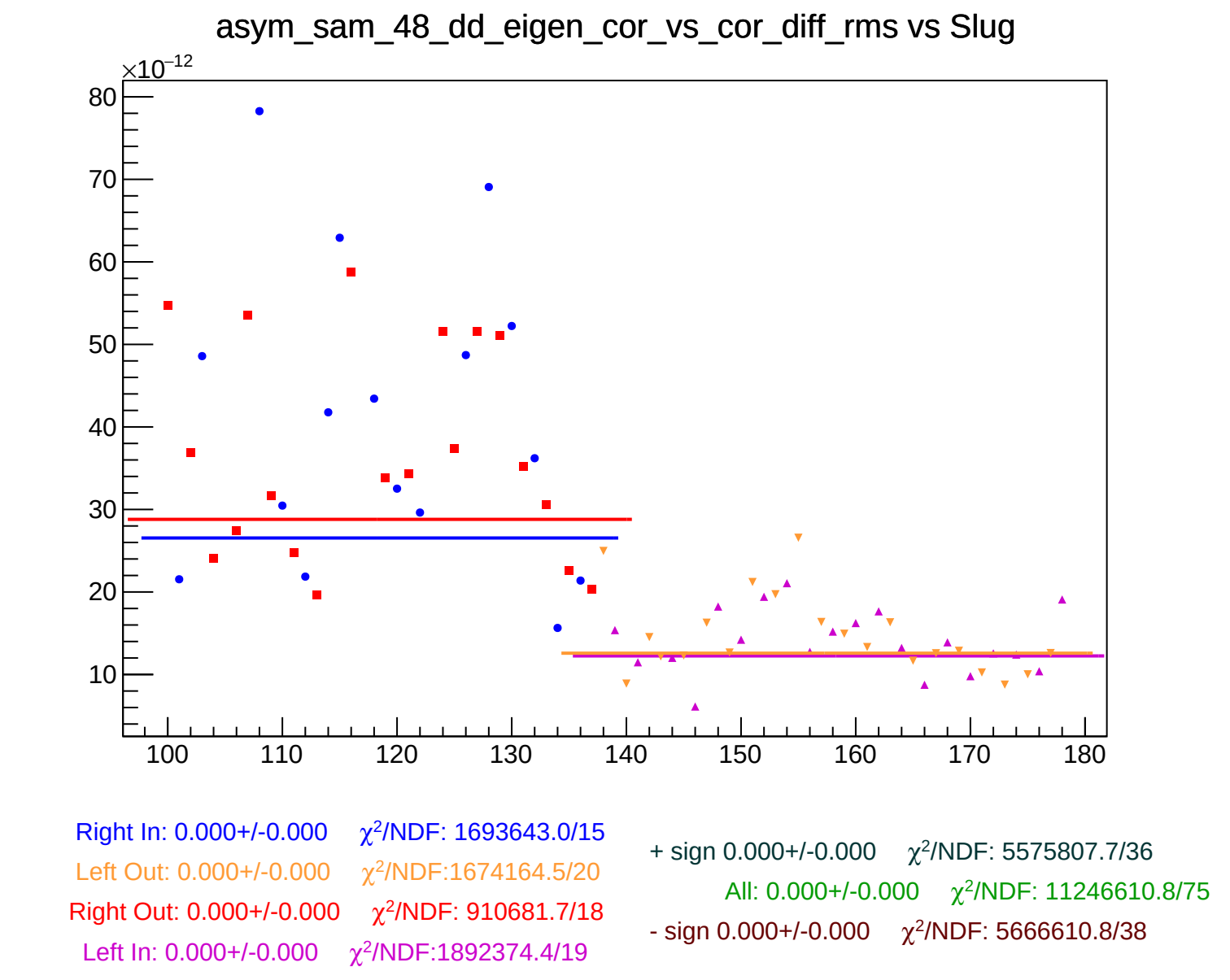
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: -0.000+/-0.000 χ^2/NDF:15.8/19

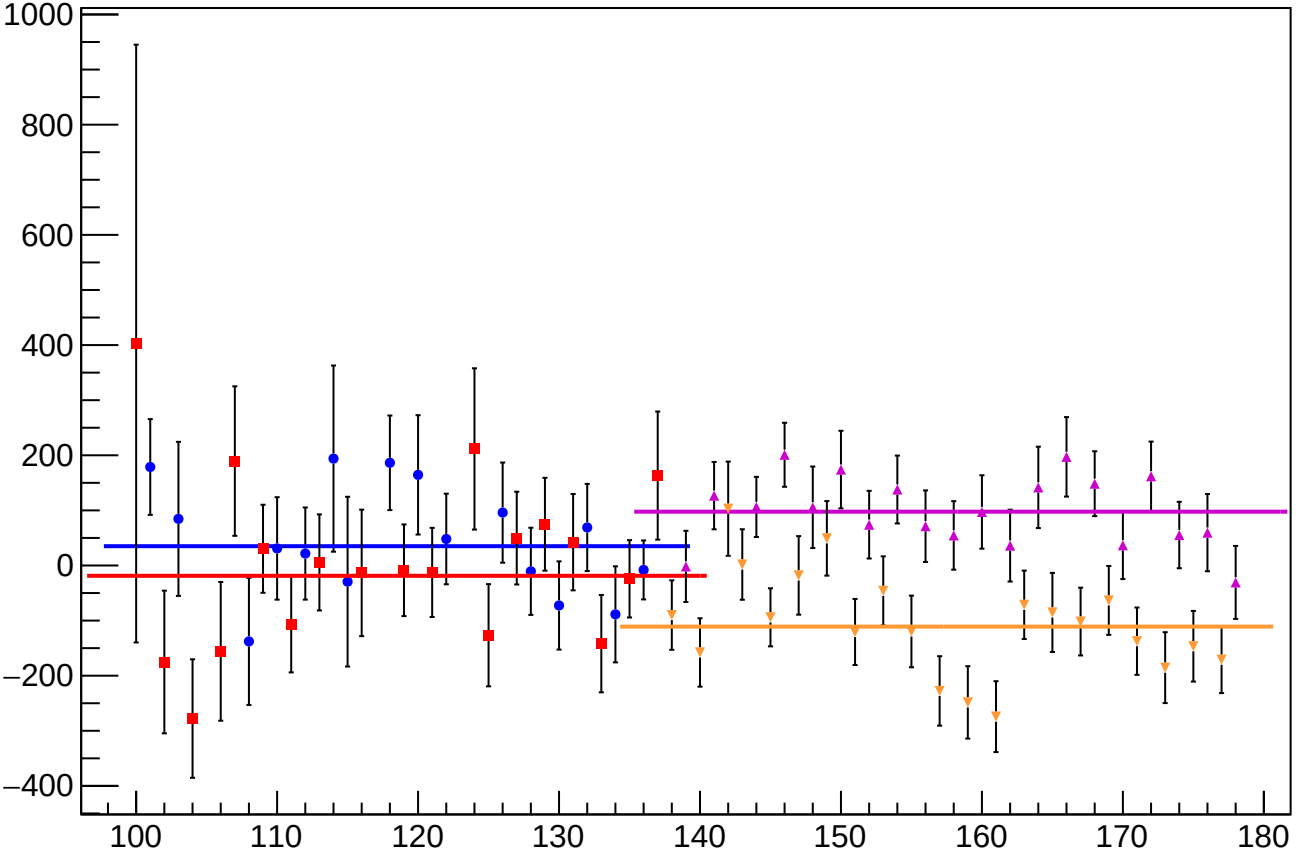
+ sign 0.000+/-0.000 χ^2/NDF: 41.7/36

All: 0.000+/-0.000 χ^2/NDF: 75.3/75

- sign -0.000+/-0.000 χ^2/NDF: 32.7/38


asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1693643.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1674164.5/20
Right Out: 0.000+/-0.000 χ²/NDF: 910681.7/18
Left In: 0.000+/-0.000 χ²/NDF:1892374.4/19
+ sign 0.000+/-0.000 χ²/NDF: 5575807.7/36
All: 0.000+/-0.000 χ²/NDF: 11246610.8/75
- sign 0.000+/-0.000 χ²/NDF: 5666610.8/38

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -110.915+/-13.921 χ^2/NDF:36.8/20

Right Out: -18.690+/-22.137 χ^2/NDF: 23.5/18

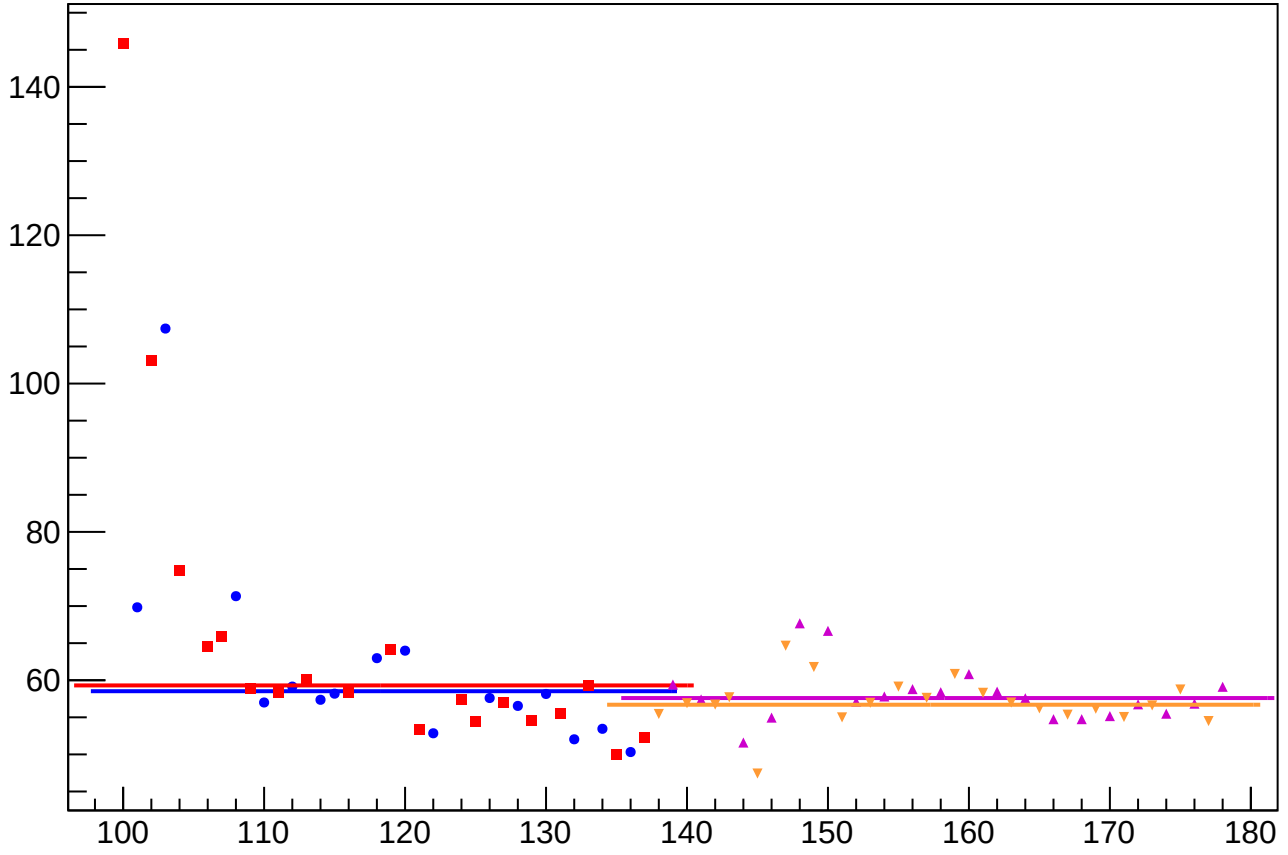
Left In: 97.639+/-14.289 χ^2/NDF:18.7/19

+ sign -69.553+/-11.784 χ^2/NDF: 84.1/36

All: -4.300+/-8.410 χ^2/NDF: 208.3/75

- sign 63.426+/-12.005 χ^2/NDF: 61.7/38

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 56.699+/-0.010 χ^2/NDF:120994.6/20

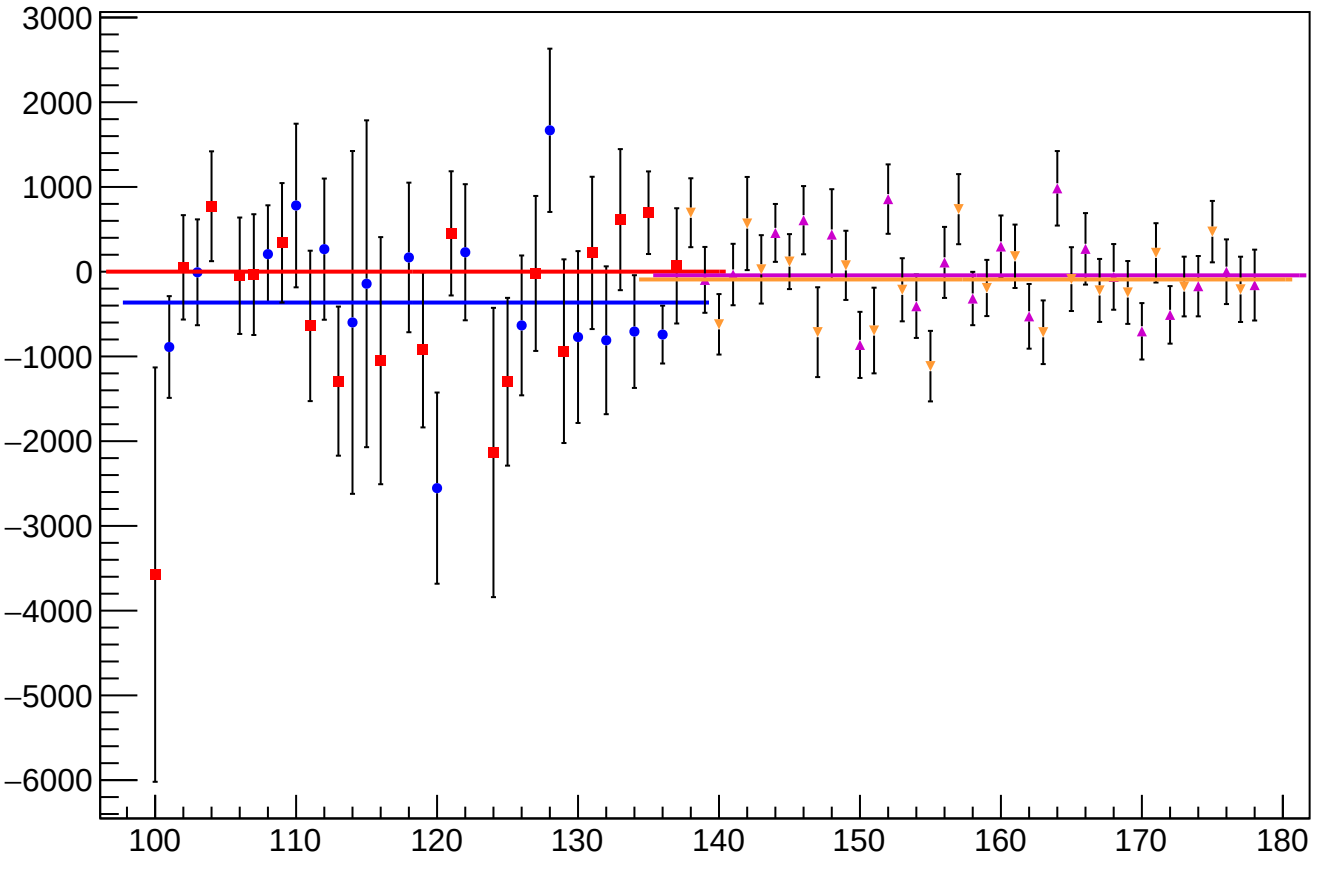
Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

Left In: 57.599+/-0.010 χ^2/NDF:121361.5/19

+ sign 57.215+/-0.008 χ^2/NDF: 523459.1/36

All: 57.649+/-0.006 χ^2/NDF: 1065307.9/75

- sign 58.099+/-0.008 χ^2/NDF: 536325.7/38



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: -91.552+/-84.334 χ^2/NDF:28.1/20

Right Out: 0.570+/-183.085 χ^2/NDF: 15.1/18

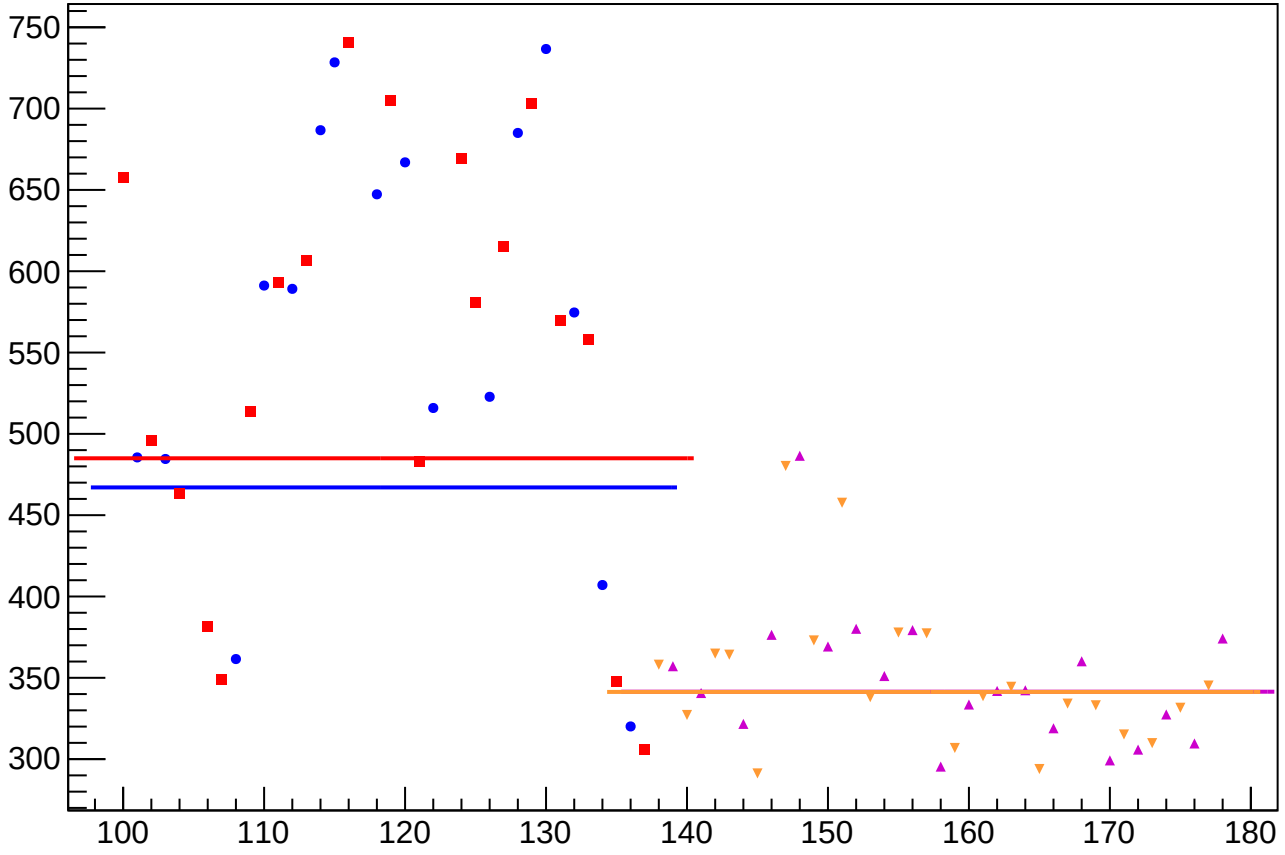
Left In: -43.155+/-85.167 χ^2/NDF:31.2/19

+ sign -140.339+/-76.414 χ^2/NDF: 45.2/36

All: -88.409+/-54.316 χ^2/NDF: 92.4/75

- sign -35.377+/-77.221 χ^2/NDF: 46.3/38

asym_sam_13_57_dd_reg_correction_rms vs Slug



Right In: 467.068+/-0.128 χ^2/NDF: 1030279.0/15

Left Out: 341.317+/-0.060 χ^2/NDF:434503.2/20

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

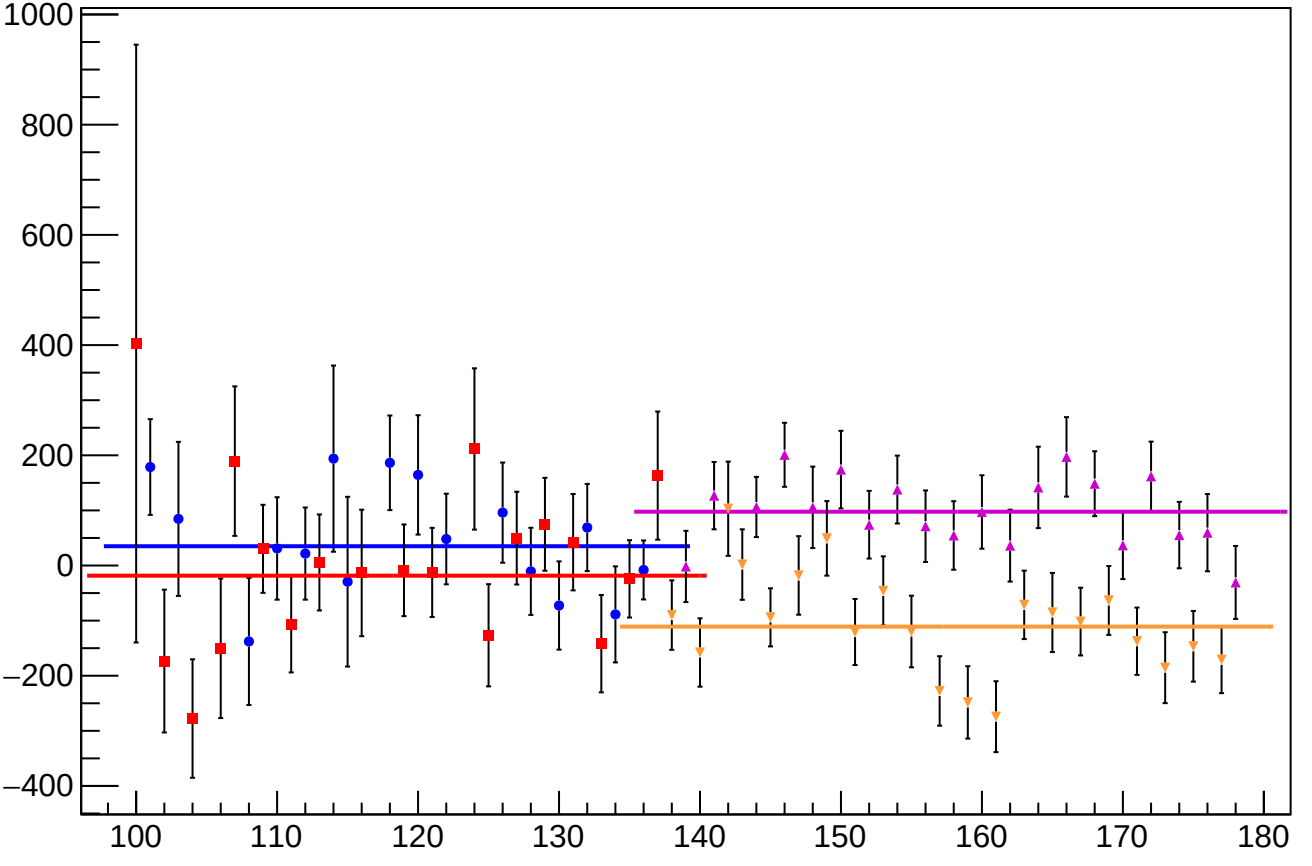
Left In: 341.454+/-0.060 χ^2/NDF:355253.7/19

+ sign 363.829+/-0.054 χ^2/NDF: 2260844.5/36

All: 365.391+/-0.038 χ^2/NDF: 4502351.7/75

- sign 366.987+/-0.055 χ^2/NDF: 2239817.0/38

cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -110.914+/-13.921 χ^2/NDF:36.8/20

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

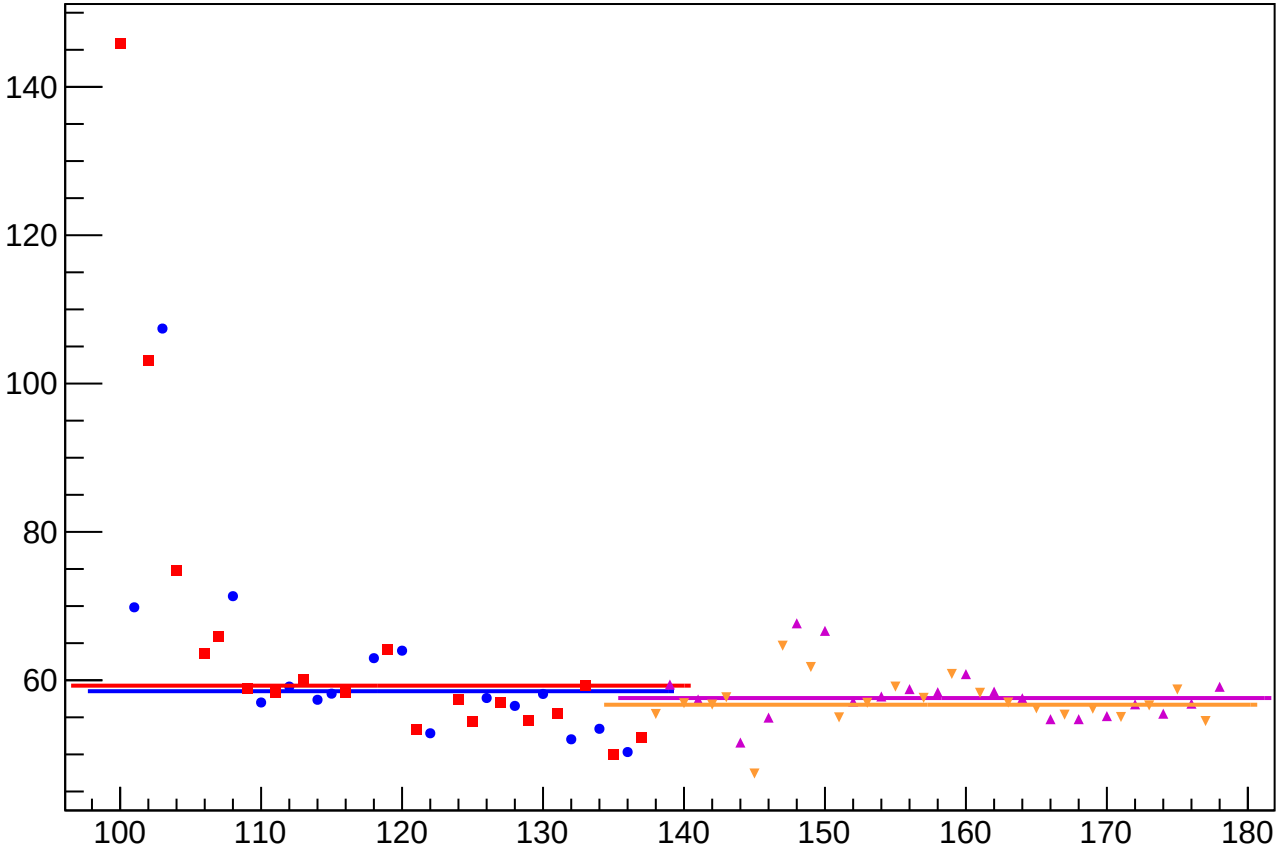
Left In: 97.641+/-14.289 χ^2/NDF:18.7/19

\+ sign -69.552+/-11.784 χ^2/NDF: 84.1/36

All: -4.259+/-8.410 χ^2/NDF: 208.1/75

\- sign 63.516+/-12.006 χ^2/NDF: 61.4/38

cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.699+/-0.010 χ^2/NDF:120994.6/20

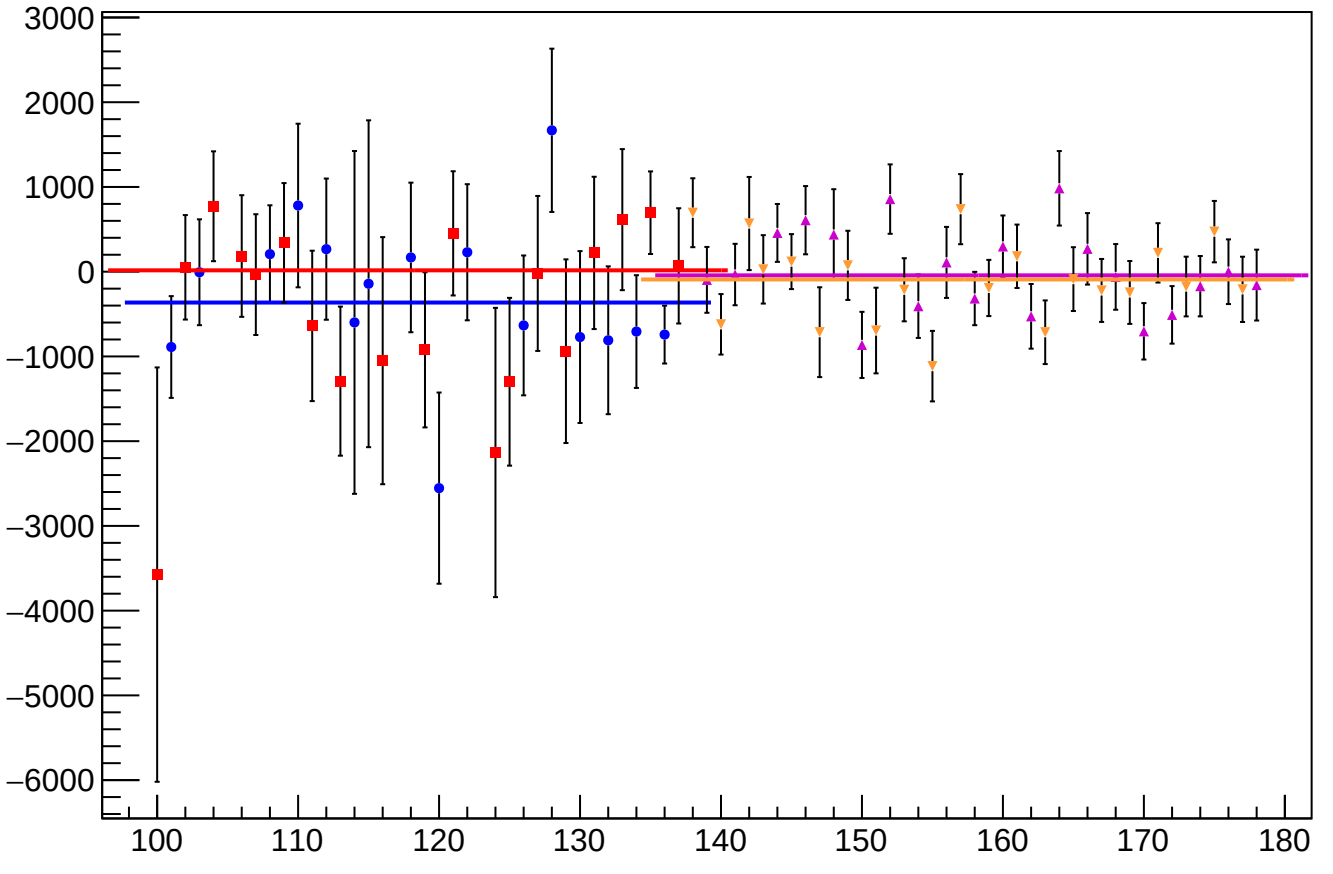
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.599+/-0.010 χ^2/NDF:121361.5/19

+ sign 57.215+/-0.008 χ^2/NDF: 523461.2/36

All: 57.644+/-0.006 χ^2/NDF: 1063885.1/75

- sign 58.090+/-0.008 χ^2/NDF: 535019.1/38



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -91.553+/-84.334 χ^2/NDF:28.1/20

Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

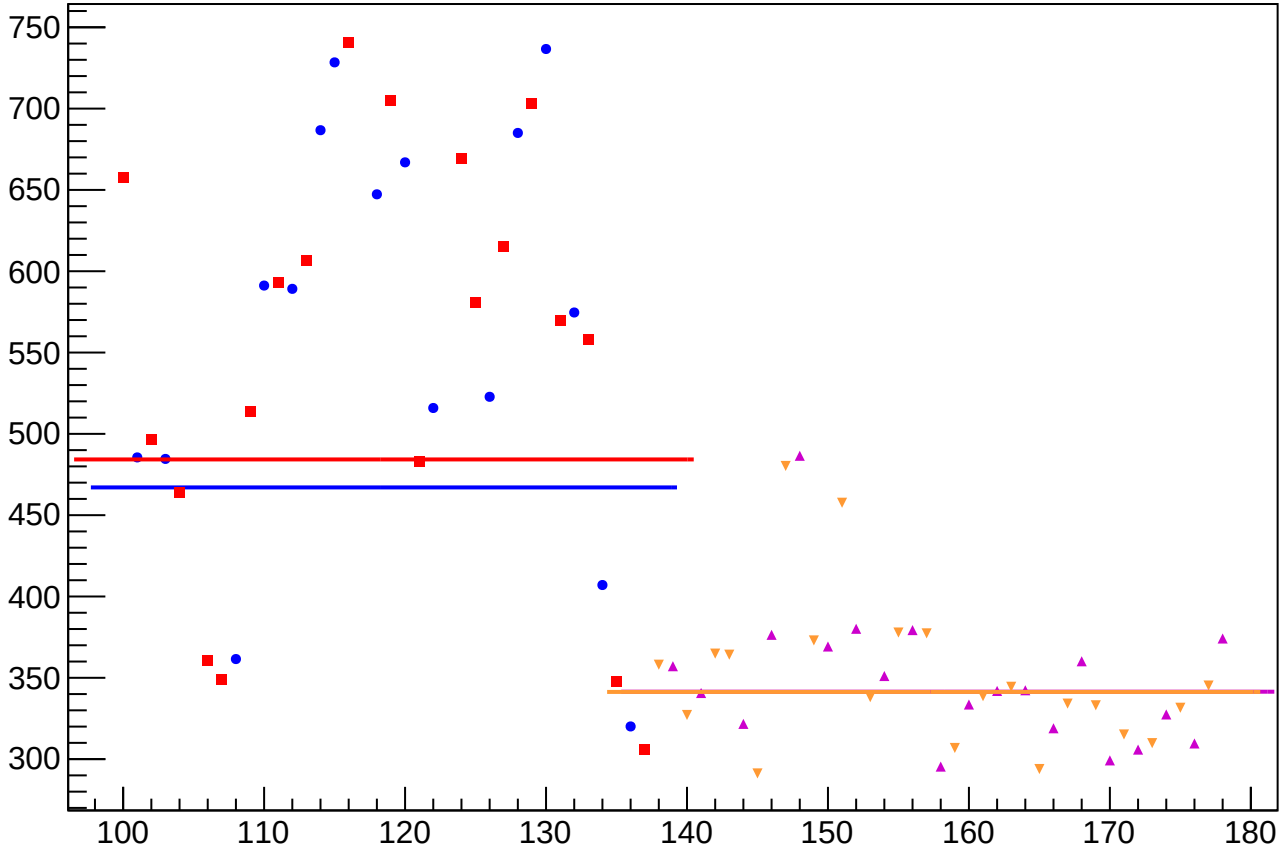
Left In: -43.154+/-85.167 χ^2/NDF:31.2/19

+ sign -140.333+/-76.414 χ^2/NDF: 45.2/36

All: -87.096+/-54.330 χ^2/NDF: 92.6/75

- sign -32.669+/-77.263 χ^2/NDF: 46.4/38

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 341.317+/-0.060 χ^2/NDF:434502.8/20

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

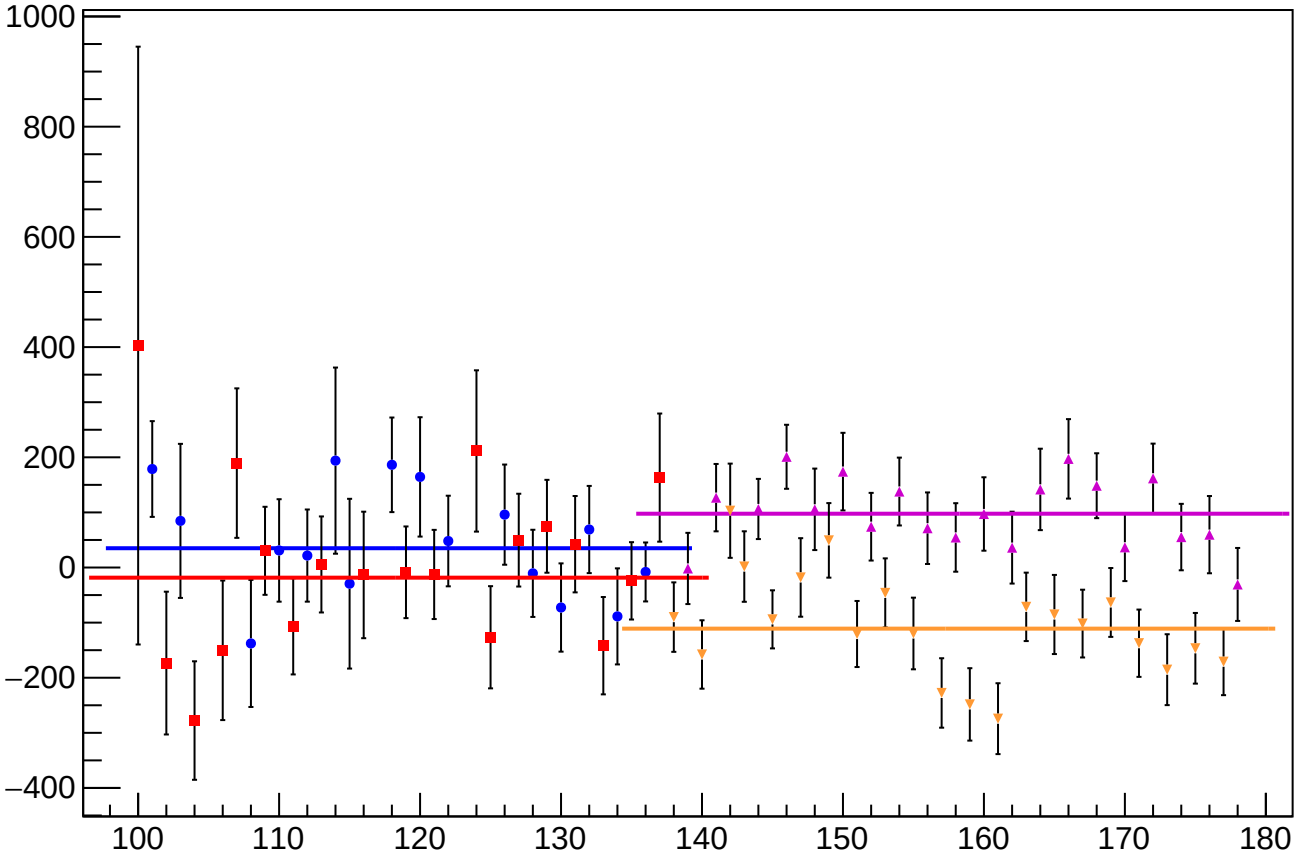
Left In: 341.454+/-0.060 χ^2/NDF:355257.6/19

+ sign 363.829+/-0.054 χ^2/NDF: 2260870.6/36

All: 365.265+/-0.038 χ^2/NDF: 4501810.2/75

- sign 366.733+/-0.055 χ^2/NDF: 2239511.9/38

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -110.914+/-13.921 χ^2/NDF:36.8/20

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

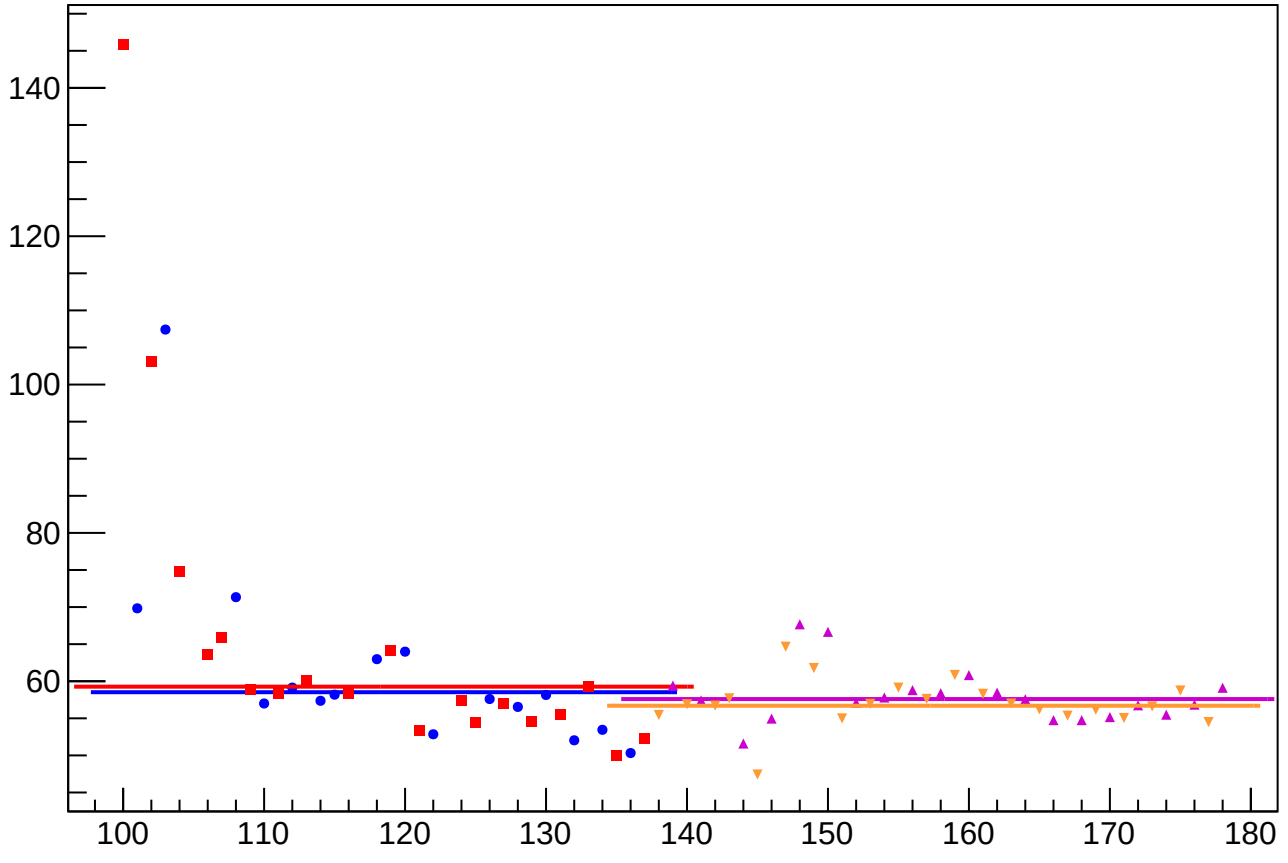
Left In: 97.641+/-14.289 χ^2/NDF:18.7/19

\+ sign -69.552+/-11.784 χ^2/NDF: 84.1/36

All: -4.259+/-8.410 χ^2/NDF: 208.1/75

\- sign 63.516+/-12.006 χ^2/NDF: 61.4/38

eigen_cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.699+/-0.010 χ^2/NDF:120994.6/20

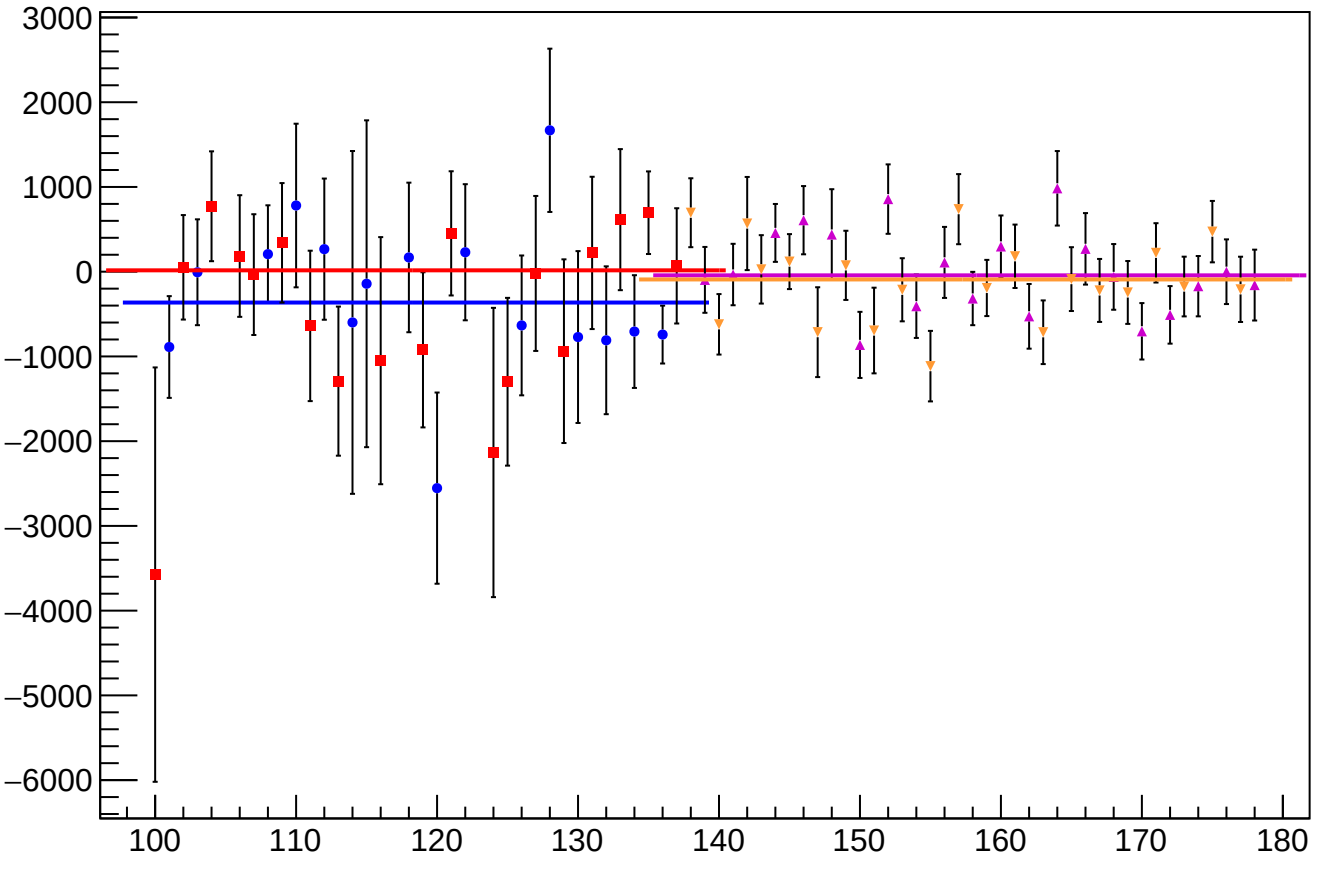
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.599+/-0.010 χ^2/NDF:121361.5/19

+ sign 57.215+/-0.008 χ^2/NDF: 523461.2/36

All: 57.644+/-0.006 χ^2/NDF: 1063885.1/75

- sign 58.090+/-0.008 χ^2/NDF: 535019.1/38



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -91.553+/-84.334 χ^2/NDF:28.1/20

Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

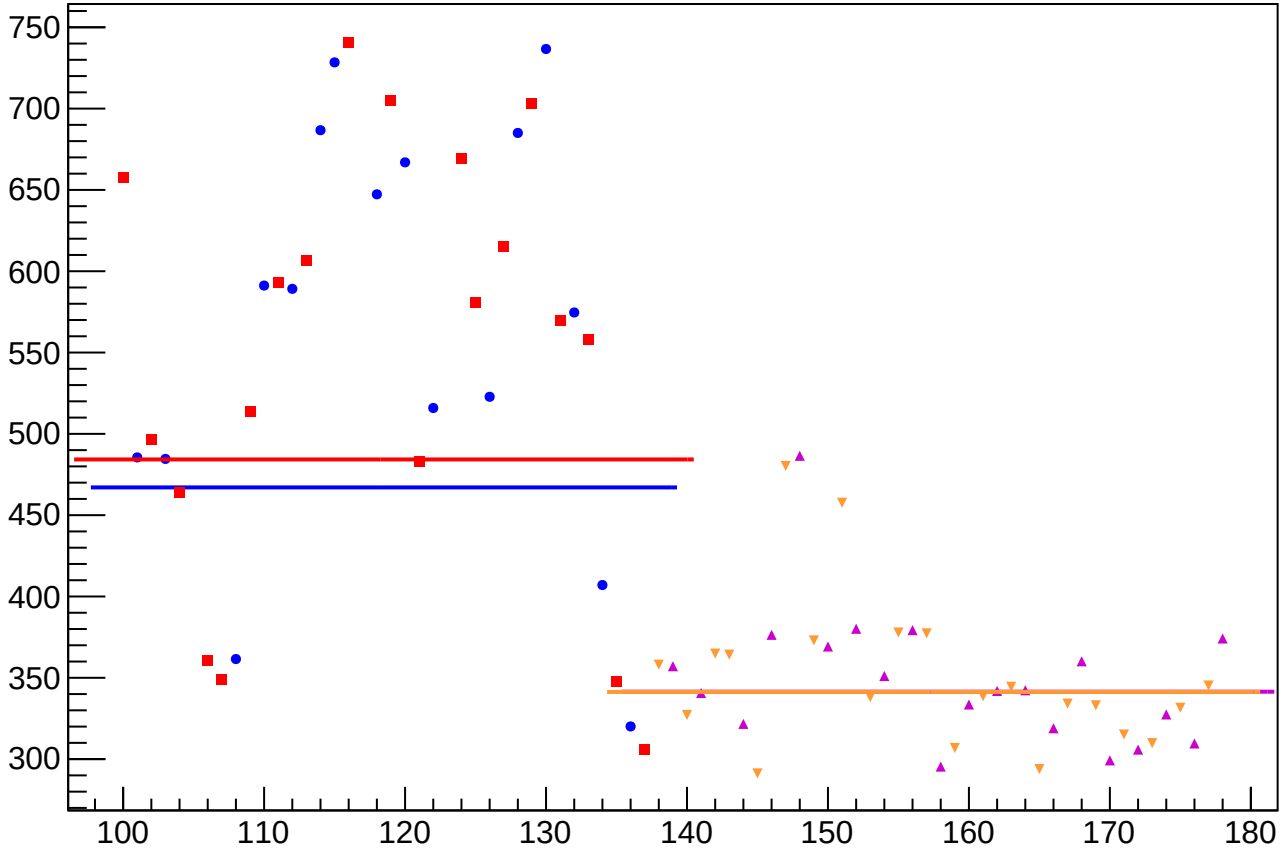
Left In: -43.154+/-85.167 χ^2/NDF:31.2/19

+ sign -140.333+/-76.414 χ^2/NDF: 45.2/36

All: -87.096+/-54.330 χ^2/NDF: 92.6/75

- sign -32.669+/-77.263 χ^2/NDF: 46.4/38

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: 341.317+/-0.060 χ^2/NDF:434502.8/20

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

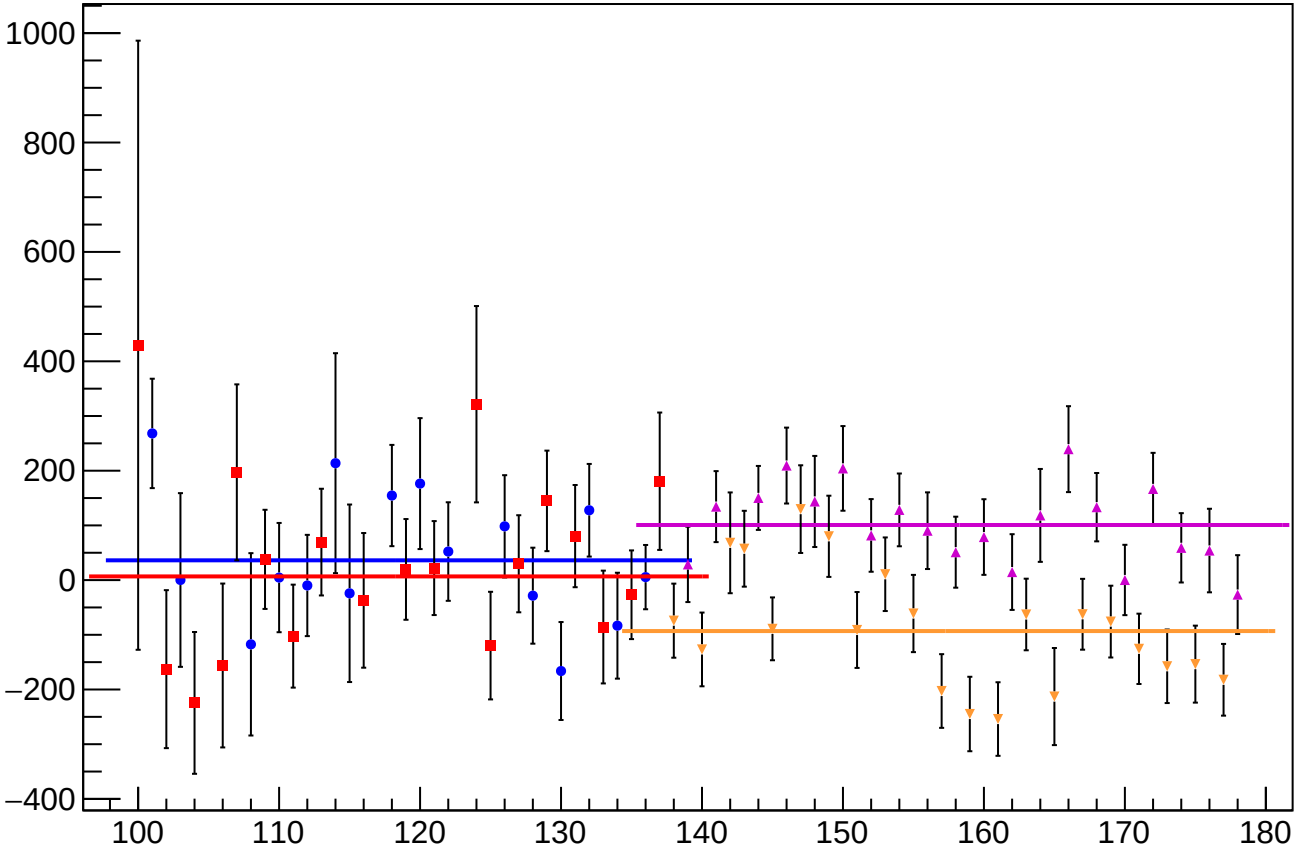
Left In: 341.454+/-0.060 χ^2/NDF:355257.6/19

+ sign 363.829+/-0.054 χ^2/NDF: 2260870.6/36

All: 365.265+/-0.038 χ^2/NDF: 4501810.2/75

- sign 366.733+/-0.055 χ^2/NDF: 2239511.9/38

dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -93.170+/-15.042 χ^2/NDF:43.3/20

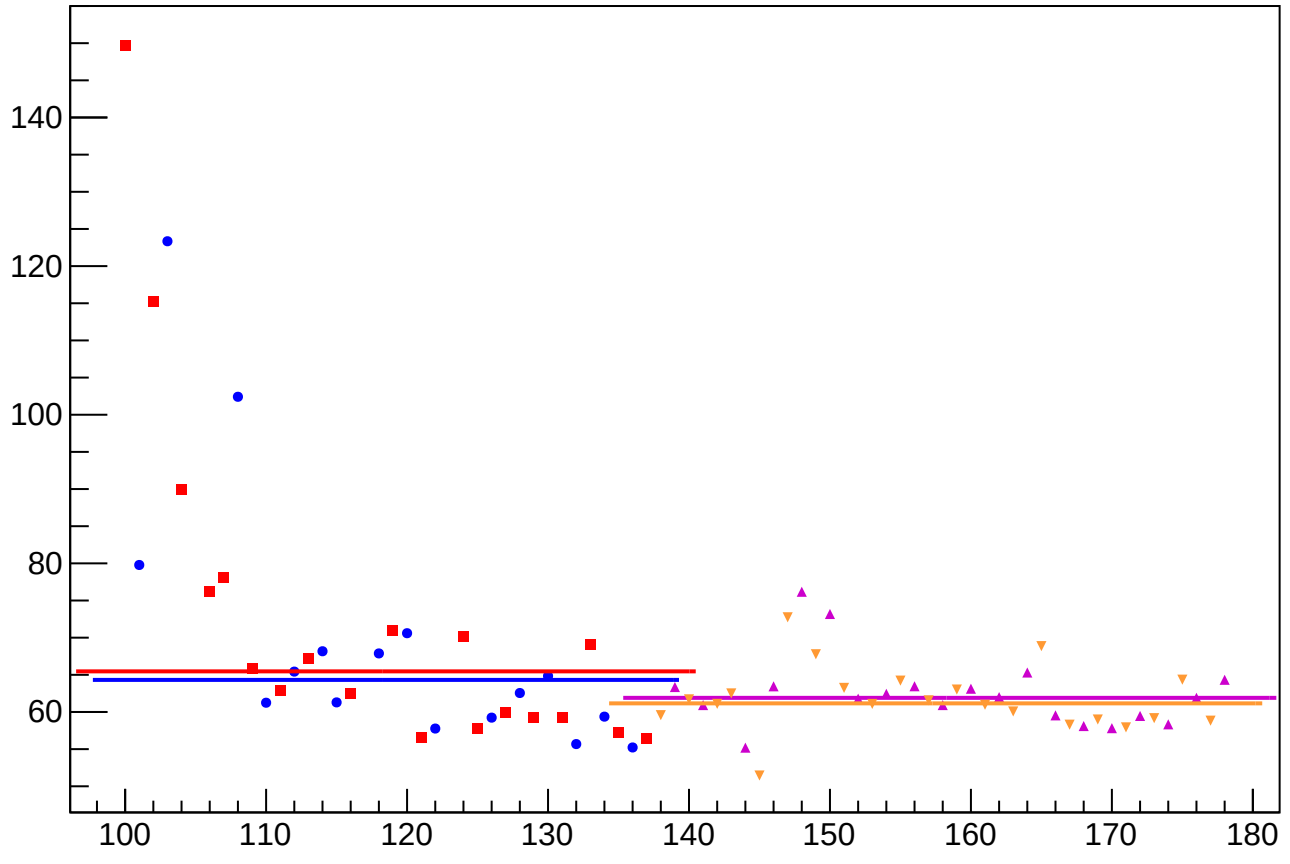
Right Out: 6.734+/-24.565 χ^2/NDF: 20.3/18

Left In: 100.743+/-15.407 χ^2/NDF:19.9/19

+ sign -57.706+/-12.815 χ^2/NDF: 83.2/36

All: 7.035+/-9.144 χ^2/NDF: 186.0/75

- sign 74.202+/-13.052 χ^2/NDF: 50.8/38



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 61.159+/-0.011 χ^2/NDF:158980.2/20

Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

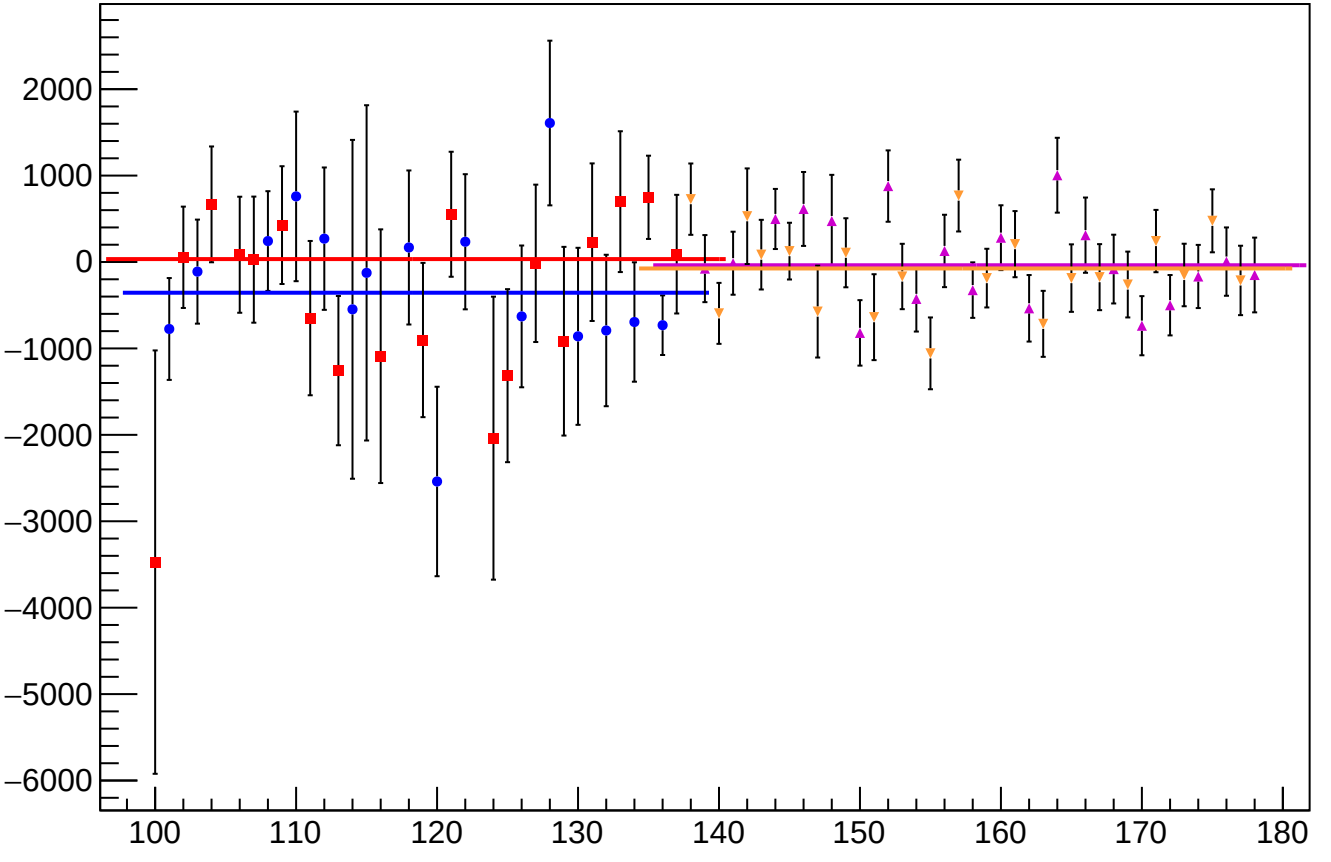
Left In: 61.902+/-0.011 χ^2/NDF:163942.9/19

+ sign 62.025+/-0.009 χ^2/NDF: 715211.7/36

All: 62.458+/-0.006 χ^2/NDF: 1396398.2/75

- sign 62.908+/-0.009 χ^2/NDF: 676520.3/38

asym_sam_13_57_dd_dit_correction_mean vs Slug



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: -74.726+/-85.508 χ^2/NDF:26.9/20

Right Out: 33.786+/-181.561 χ^2/NDF: 15.4/18

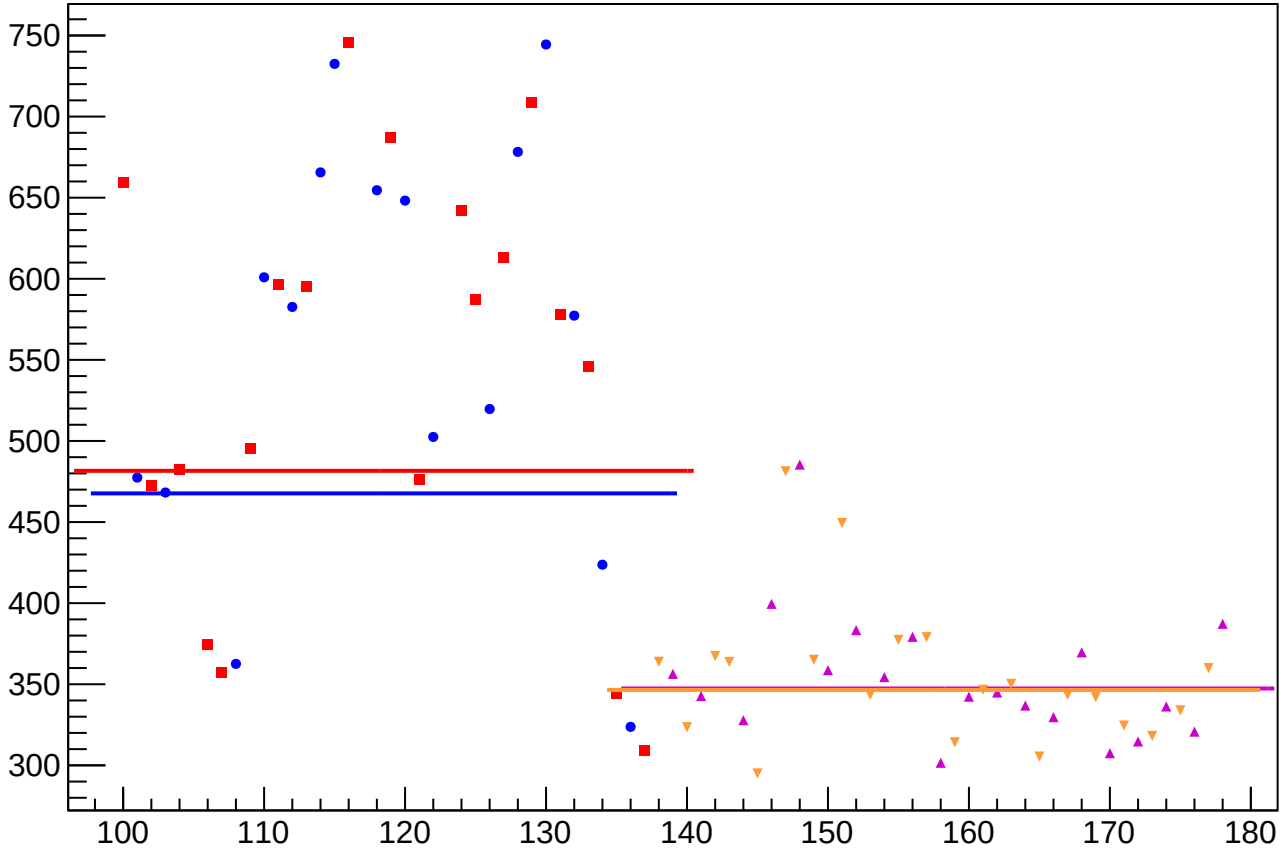
Left In: -37.595+/-86.592 χ^2/NDF:31.8/19

+ sign -126.271+/-77.263 χ^2/NDF: 43.7/36

All: -75.906+/-54.947 χ^2/NDF: 91.9/75

- sign -24.367+/-78.158 χ^2/NDF: 47.3/38

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 467.674+/-0.128 χ^2/NDF: 985943.7/15

Left Out: 346.497+/-0.060 χ^2/NDF:375066.1/20

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

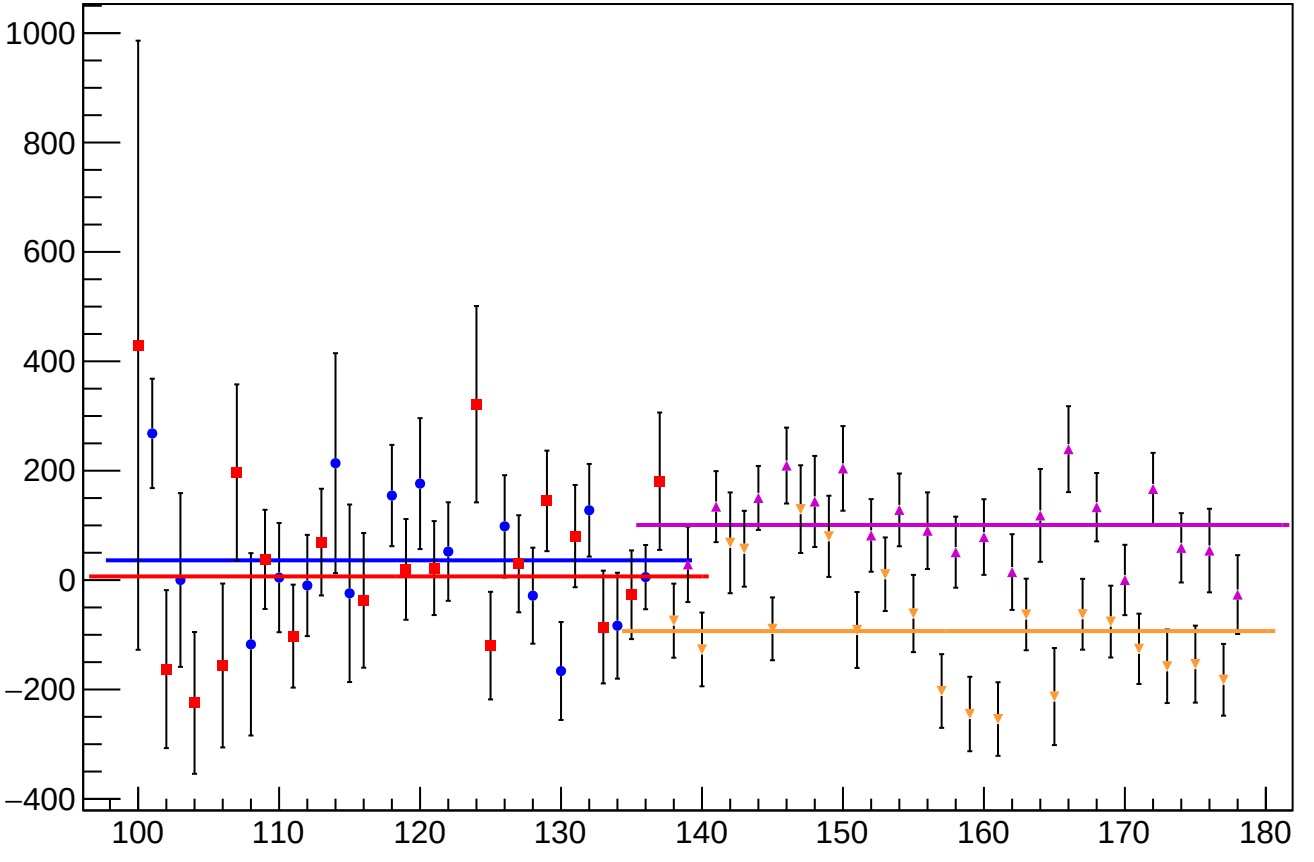
Left In: 347.388+/-0.061 χ^2/NDF:324712.5/19

+ sign 368.741+/-0.055 χ^2/NDF: 2098297.6/36

All: 370.480+/-0.039 χ^2/NDF: 4169683.9/75

- sign 372.259+/-0.055 χ^2/NDF: 2069336.7/38

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -93.169+/-15.042 χ^2/NDF:43.3/20

Right Out: 6.735+/-24.565 χ^2/NDF: 20.3/18

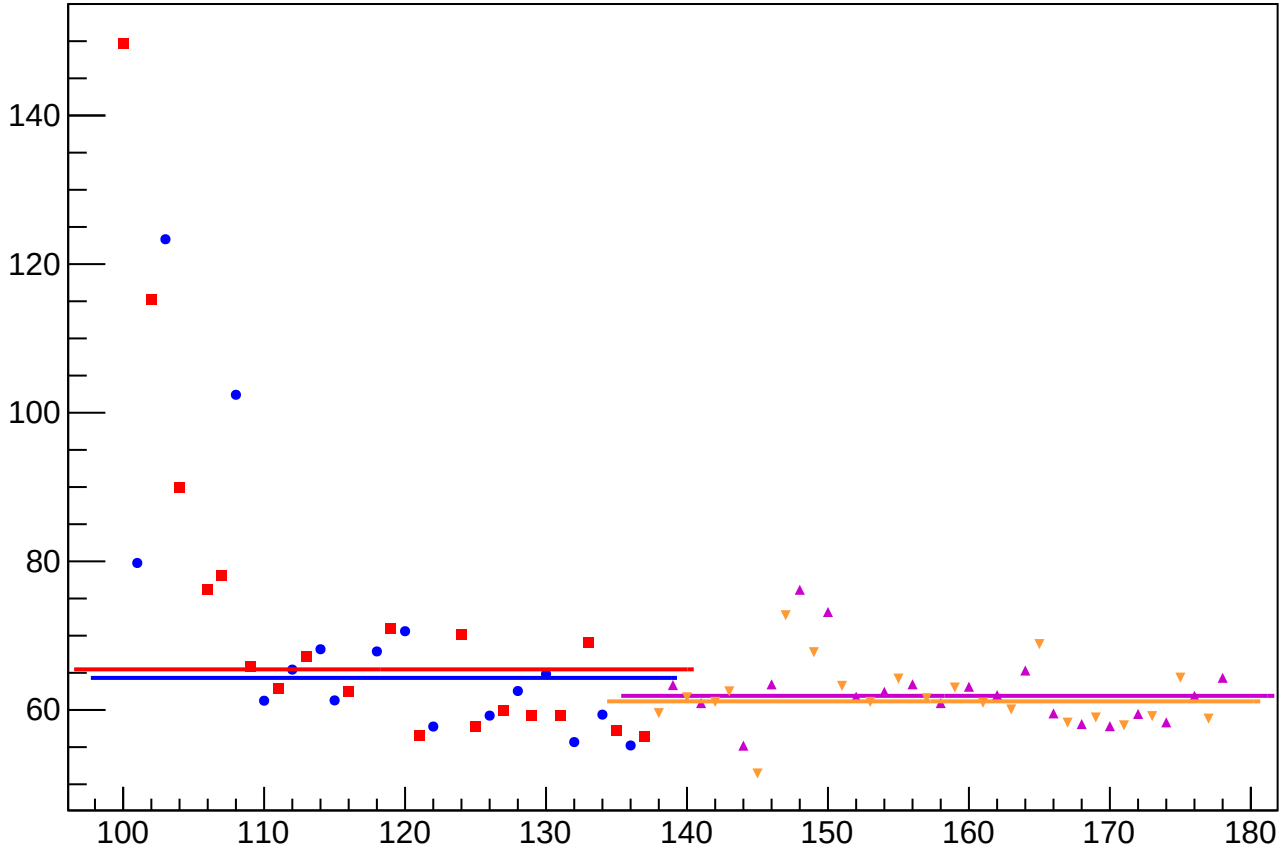
Left In: 100.743+/-15.407 χ^2/NDF:19.9/19

+ sign -57.706+/-12.815 χ^2/NDF: 83.2/36

All: 7.036+/-9.144 χ^2/NDF: 186.0/75

- sign 74.202+/-13.052 χ^2/NDF: 50.8/38

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 61.159+/-0.011 χ^2/NDF:158985.2/20

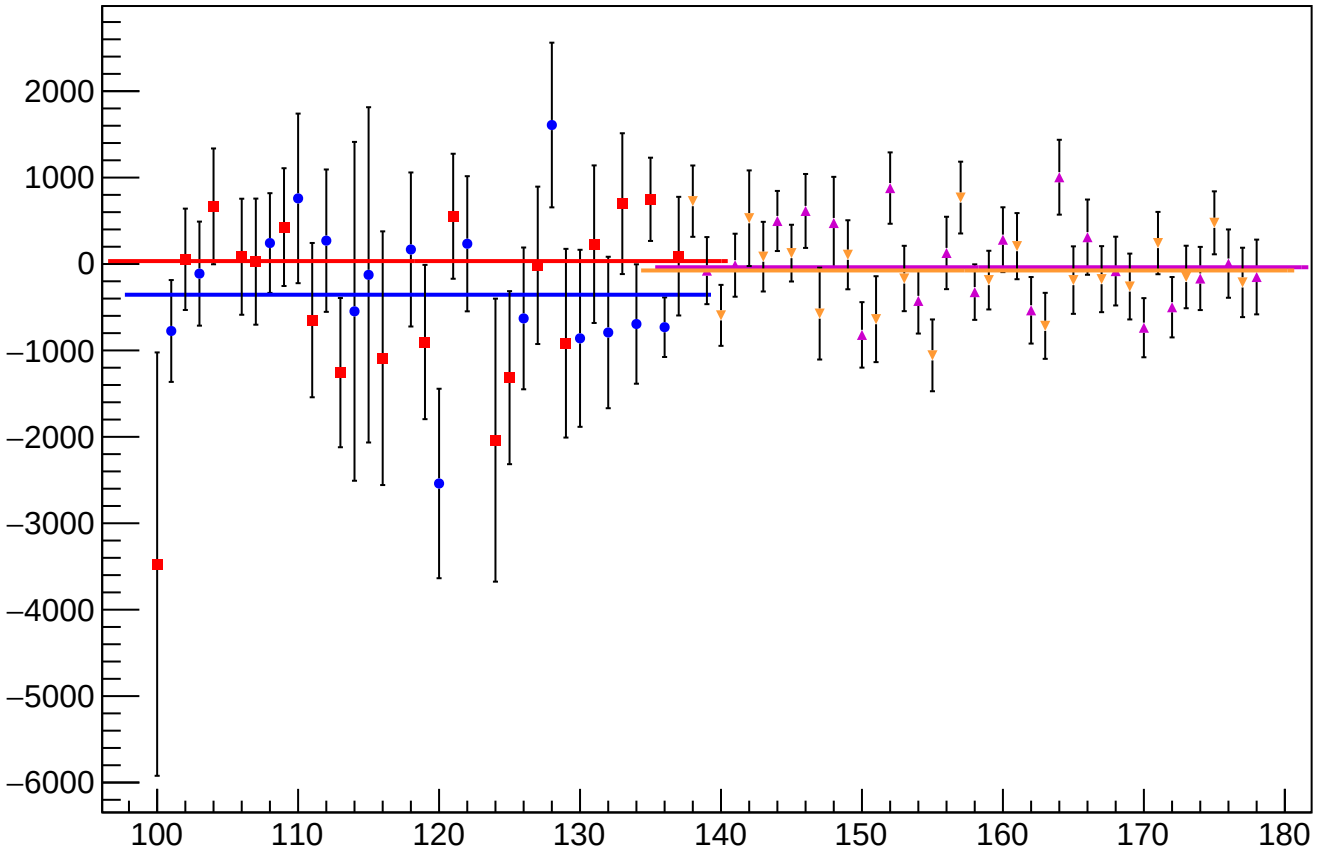
Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 61.902+/-0.011 χ^2/NDF:163945.7/19

+ sign 62.025+/-0.009 χ^2/NDF: 715223.2/36

All: 62.458+/-0.006 χ^2/NDF: 1396416.5/75

- sign 62.908+/-0.009 χ^2/NDF: 676527.0/38



Right In: -355.529+/-180.334 χ^2/NDF: 14.8/15

Left Out: -74.726+/-85.508 χ^2/NDF:26.9/20

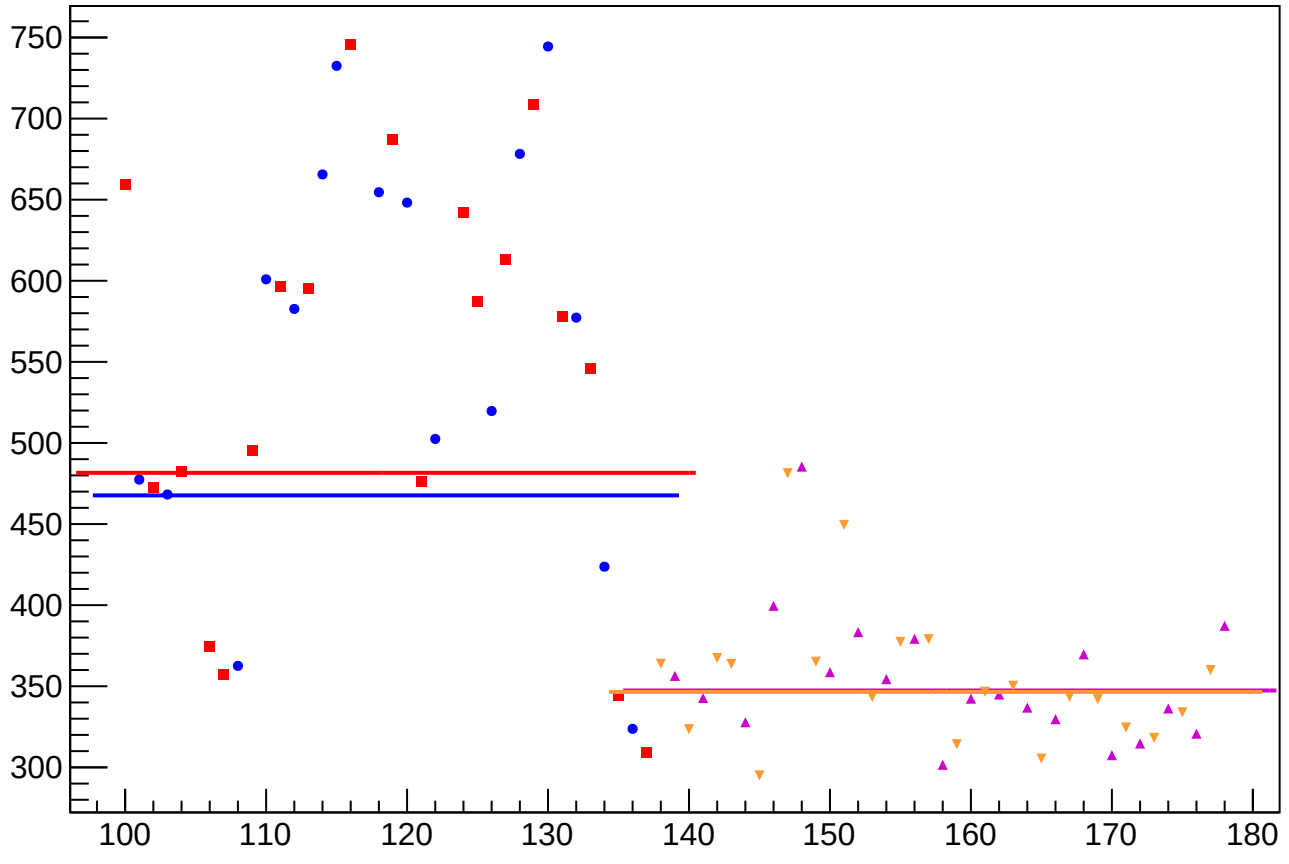
Right Out: 33.787+/-181.560 χ^2/NDF: 15.4/18

Left In: -37.595+/-86.592 χ^2/NDF:31.8/19

+ sign -126.271+/-77.263 χ^2/NDF: 43.7/36

All: -75.906+/-54.947 χ^2/NDF: 91.9/75

- sign -24.367+/-78.158 χ^2/NDF: 47.3/38



Right In: 467.674+/-0.128 χ^2/NDF: 985945.4/15

Left Out: 346.497+/-0.060 χ^2/NDF:375065.2/20

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

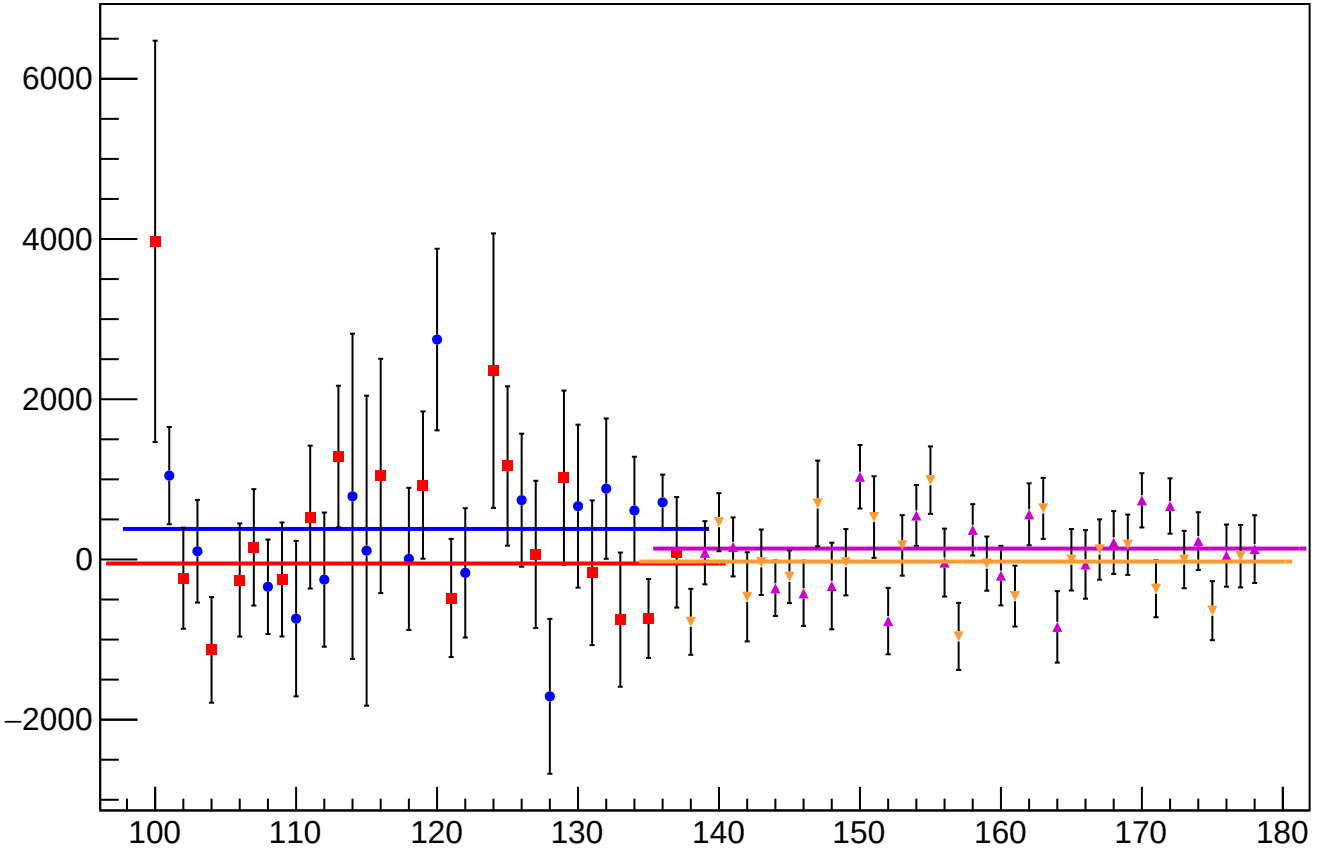
Left In: 347.388+/-0.061 χ^2/NDF:324714.0/19

+ sign 368.741+/-0.055 χ^2/NDF: 2098291.7/36

All: 370.480+/-0.039 χ^2/NDF: 4169669.7/75

- sign 372.259+/-0.055 χ^2/NDF: 2069328.3/38

asym_sam_13_57_dd_mean vs Slug



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: -26.227+/-85.537 χ^2/NDF:28.8/20

Right Out: -50.392+/-185.262 χ^2/NDF: 17.5/18

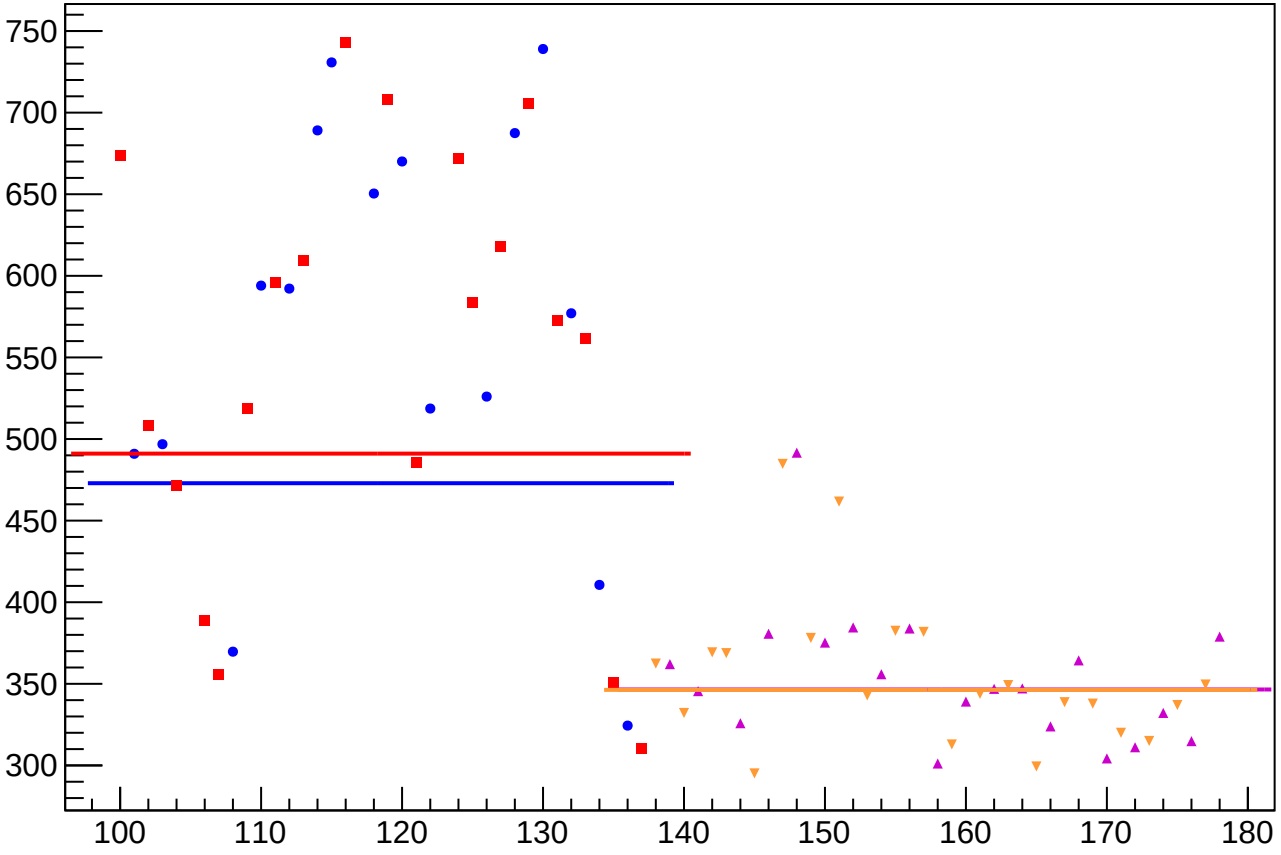
Left In: 136.000+/-86.410 χ^2/NDF:29.2/19

+ sign 47.032+/-77.464 χ^2/NDF: 49.0/36

All: 74.562+/-55.072 χ^2/NDF: 96.8/75

- sign 102.696+/-78.310 χ^2/NDF: 47.5/38

asym_sam_13_57_dd_rms vs Slug



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 346.292+/-0.060 χ^2/NDF:420909.5/20

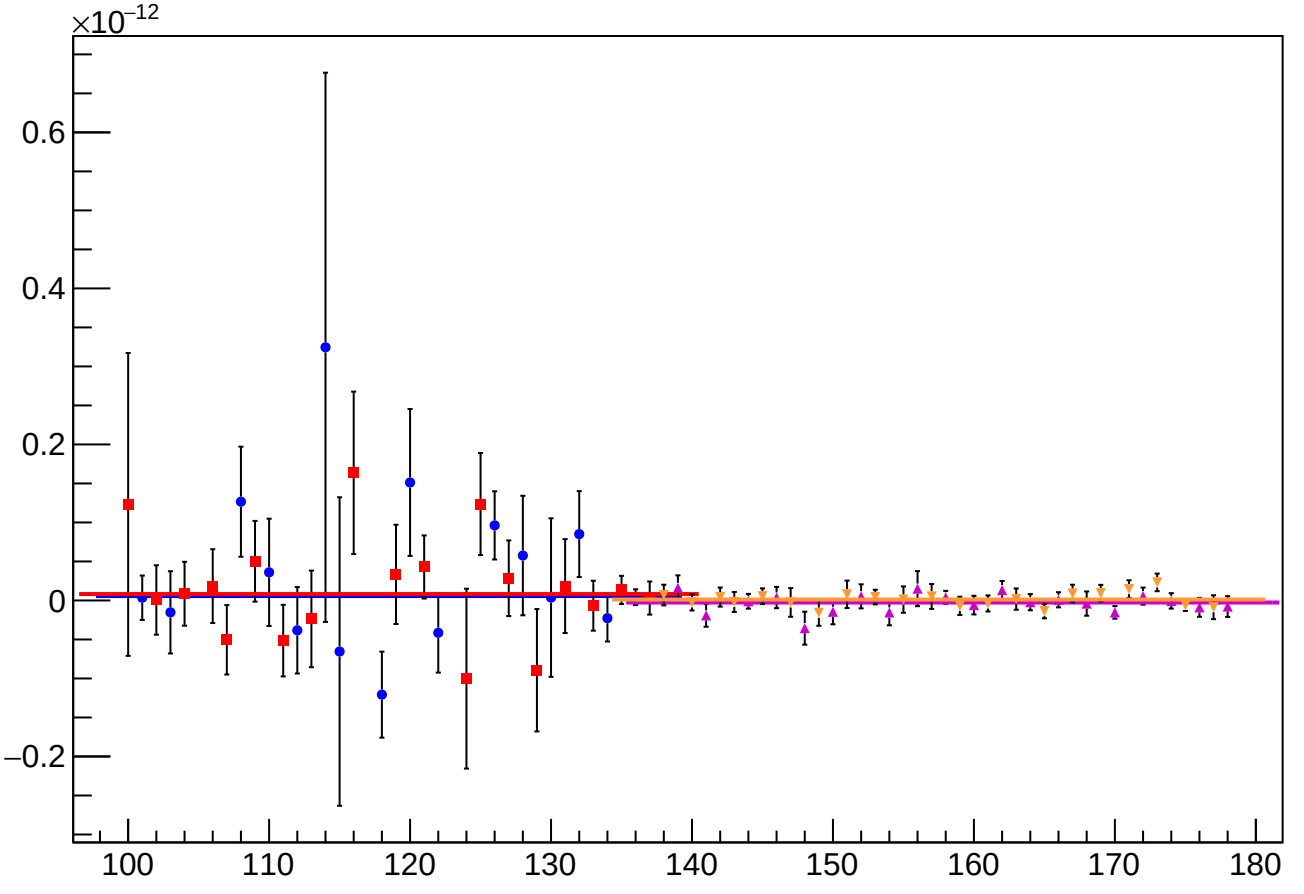
Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 346.531+/-0.061 χ^2/NDF:343361.3/19

+ sign 369.068+/-0.055 χ^2/NDF: 2209582.2/36

All: 370.694+/-0.039 χ^2/NDF: 4401981.9/75

- sign 372.356+/-0.055 χ^2/NDF: 2190617.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/18

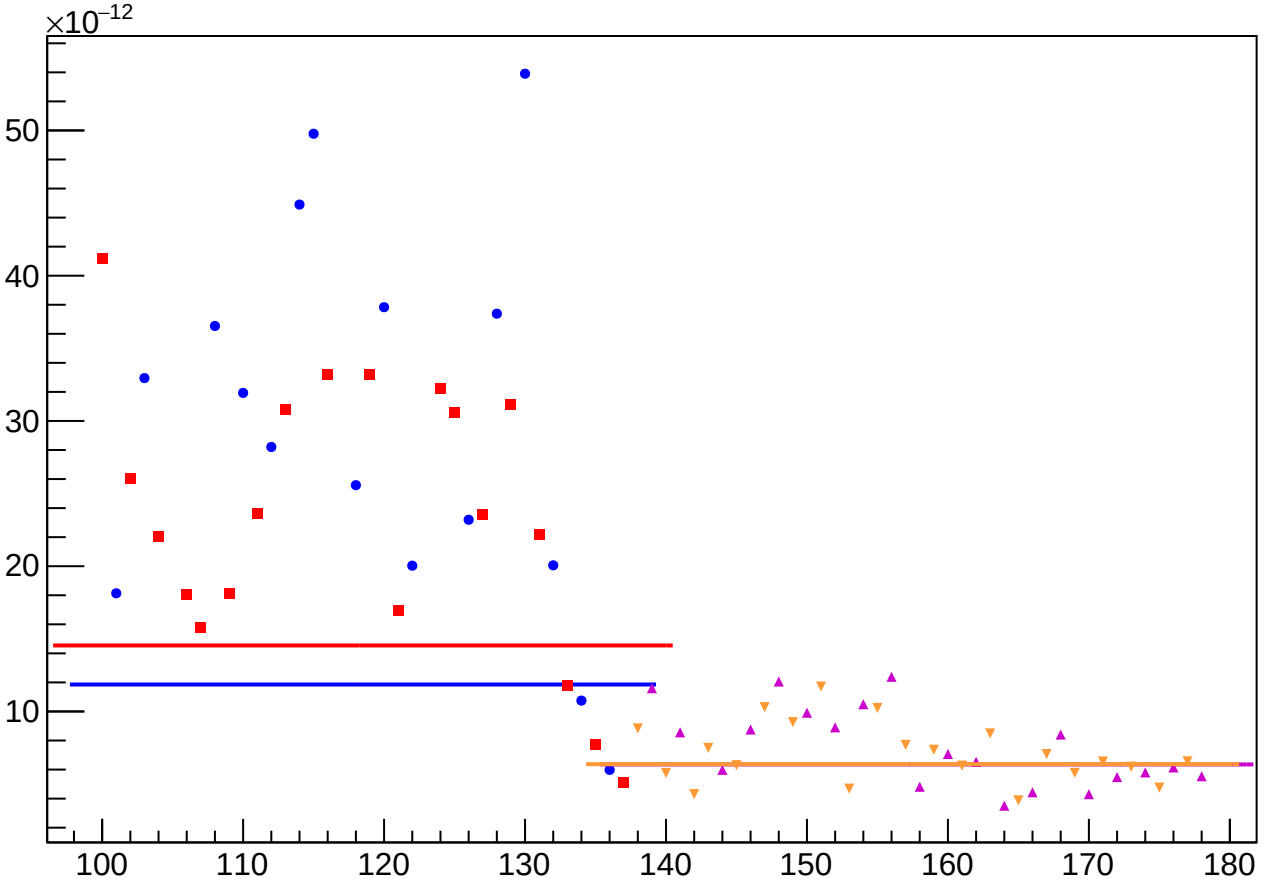
Left In: -0.000+/-0.000 χ^2/NDF:13.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 34.3/36

All: -0.000+/-0.000 χ^2/NDF: 64.1/75

- sign -0.000+/-0.000 χ^2/NDF: 28.8/38

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2848478.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:987275.0/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1769864.5/18

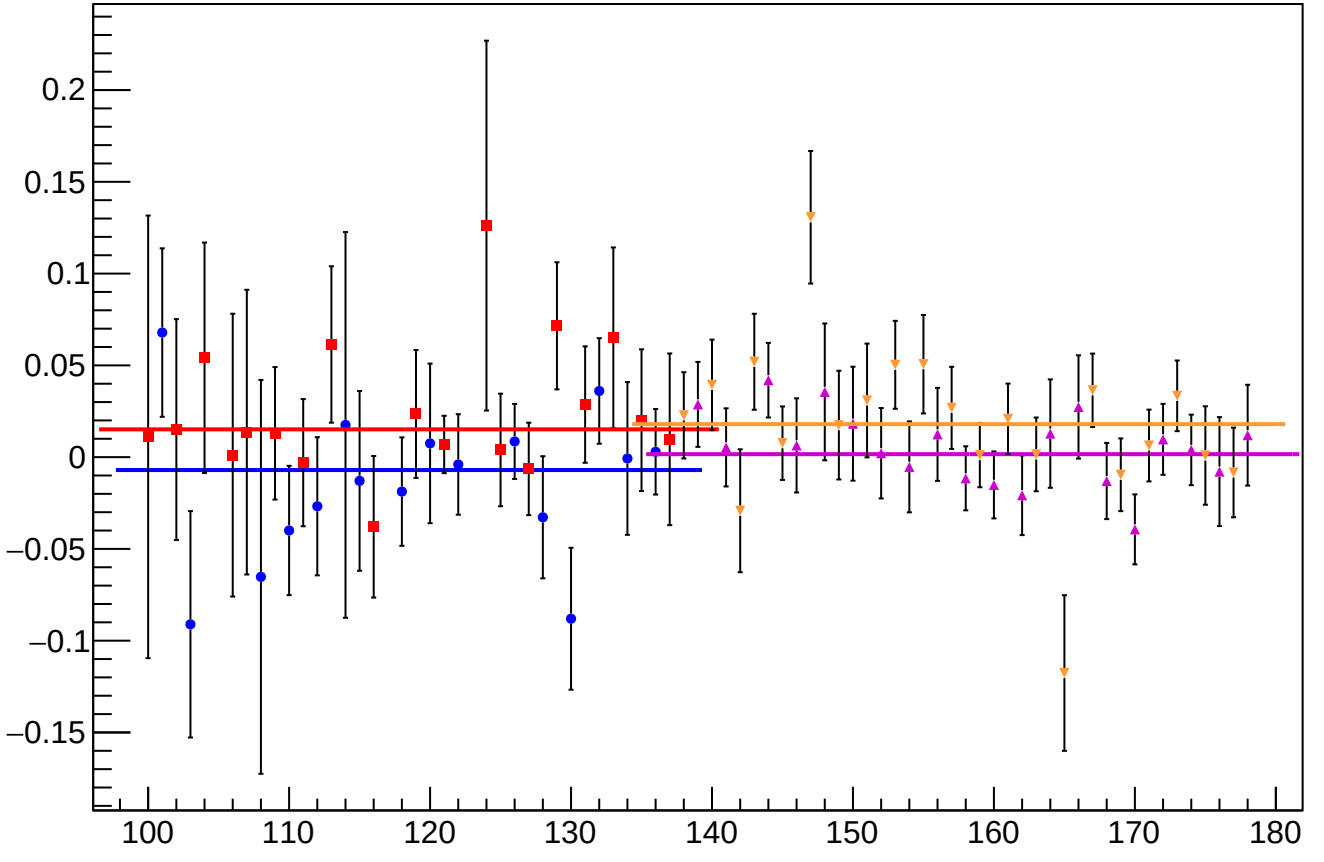
Left In: 0.000+/-0.000 χ^2/NDF:1391892.9/19

+ sign 0.000+/-0.000 χ^2/NDF: 4670324.2/36

All: 0.000+/-0.000 χ^2/NDF: 9270331.8/75

- sign 0.000+/-0.000 χ^2/NDF: 4597831.7/38

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: 0.018+/-0.005 χ^2/NDF:35.3/20

Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

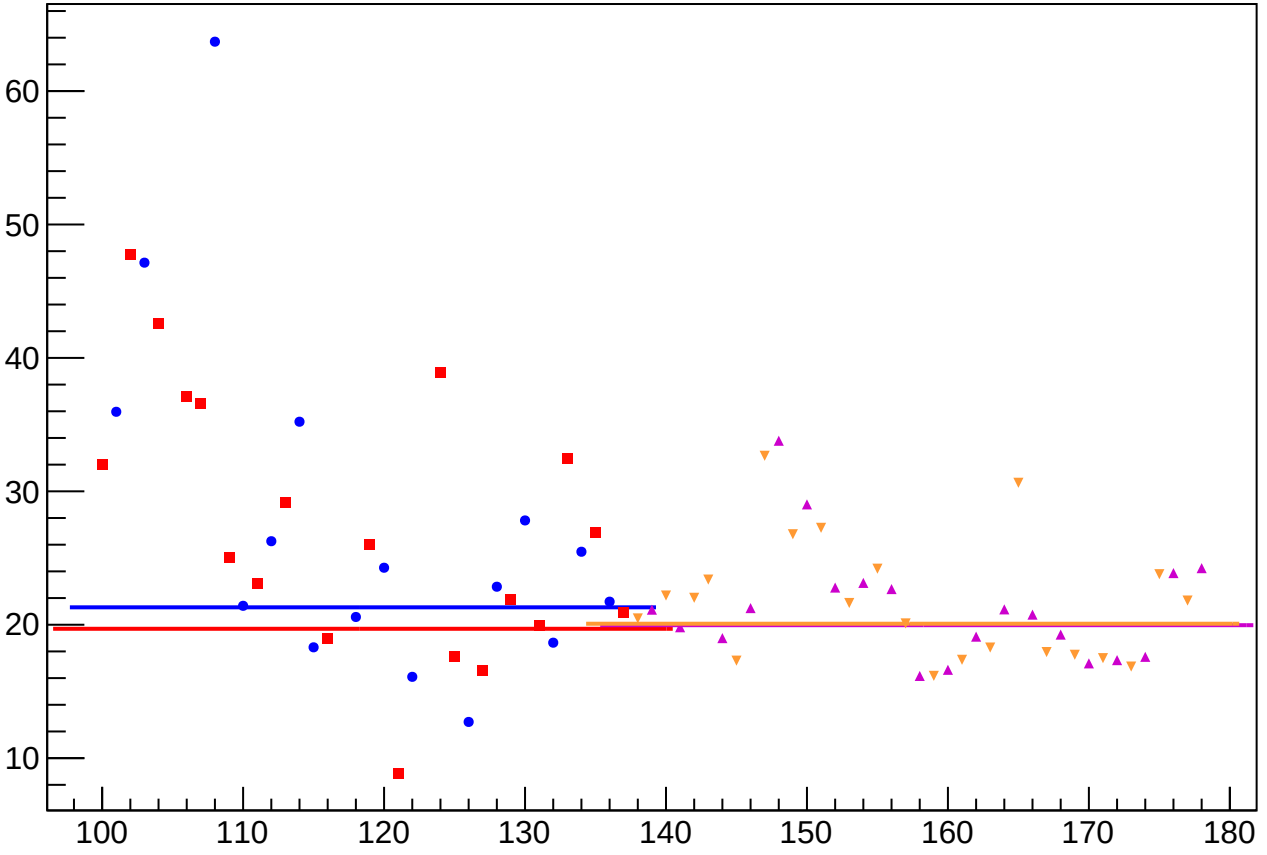
Left In: 0.002+/-0.005 χ^2/NDF:15.7/19

+ sign 0.012+/-0.004 χ^2/NDF: 55.9/36

All: 0.008+/-0.003 χ^2/NDF: 84.7/75

- sign 0.005+/-0.004 χ^2/NDF: 27.8/38

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: 20.075+/-0.004 χ^2/NDF:1069398.1/20

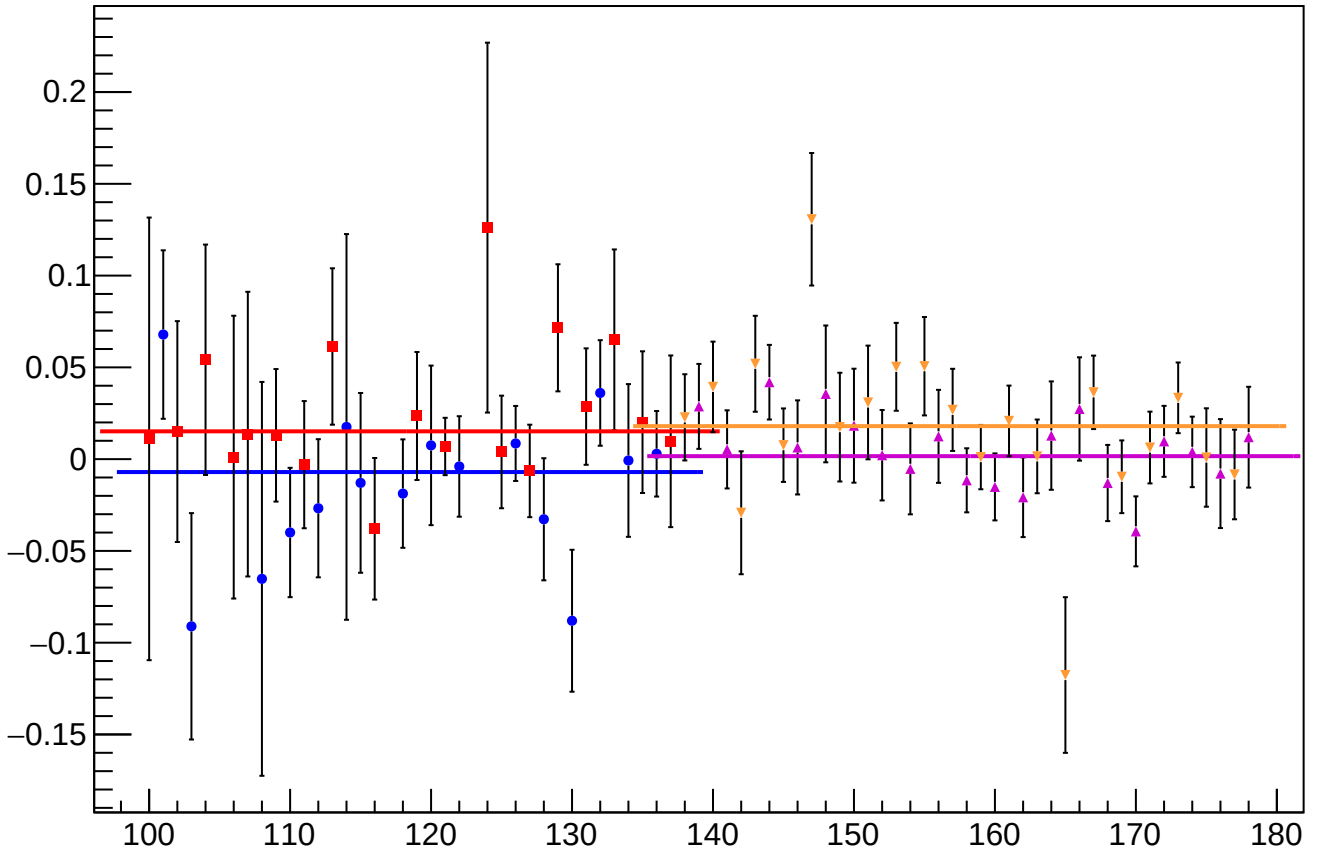
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 19.966+/-0.004 χ^2/NDF:909537.0/19

+ sign 20.392+/-0.003 χ^2/NDF: 2579010.8/36

All: 20.139+/-0.002 χ^2/NDF: 5942286.3/75

- sign 19.891+/-0.003 χ^2/NDF: 3350061.7/38



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.018+/-0.005 χ^2/NDF:35.3/20

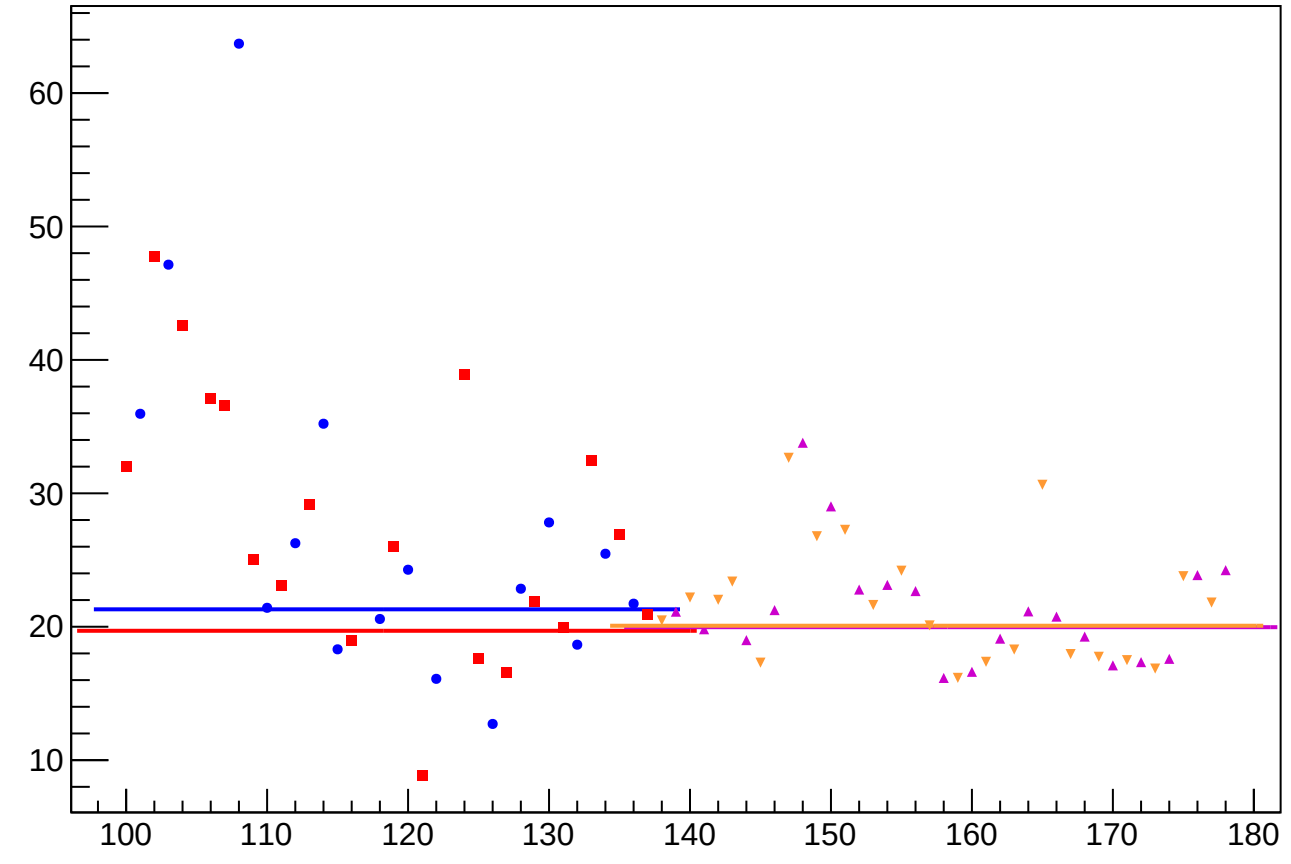
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.002+/-0.005 χ^2/NDF:15.7/19

+ sign 0.012+/-0.004 χ^2/NDF: 55.9/36

All: 0.008+/-0.003 χ^2/NDF: 84.7/75

- sign 0.005+/-0.004 χ^2/NDF: 27.8/38



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 20.075+/-0.004 χ^2/NDF:1069398.1/20

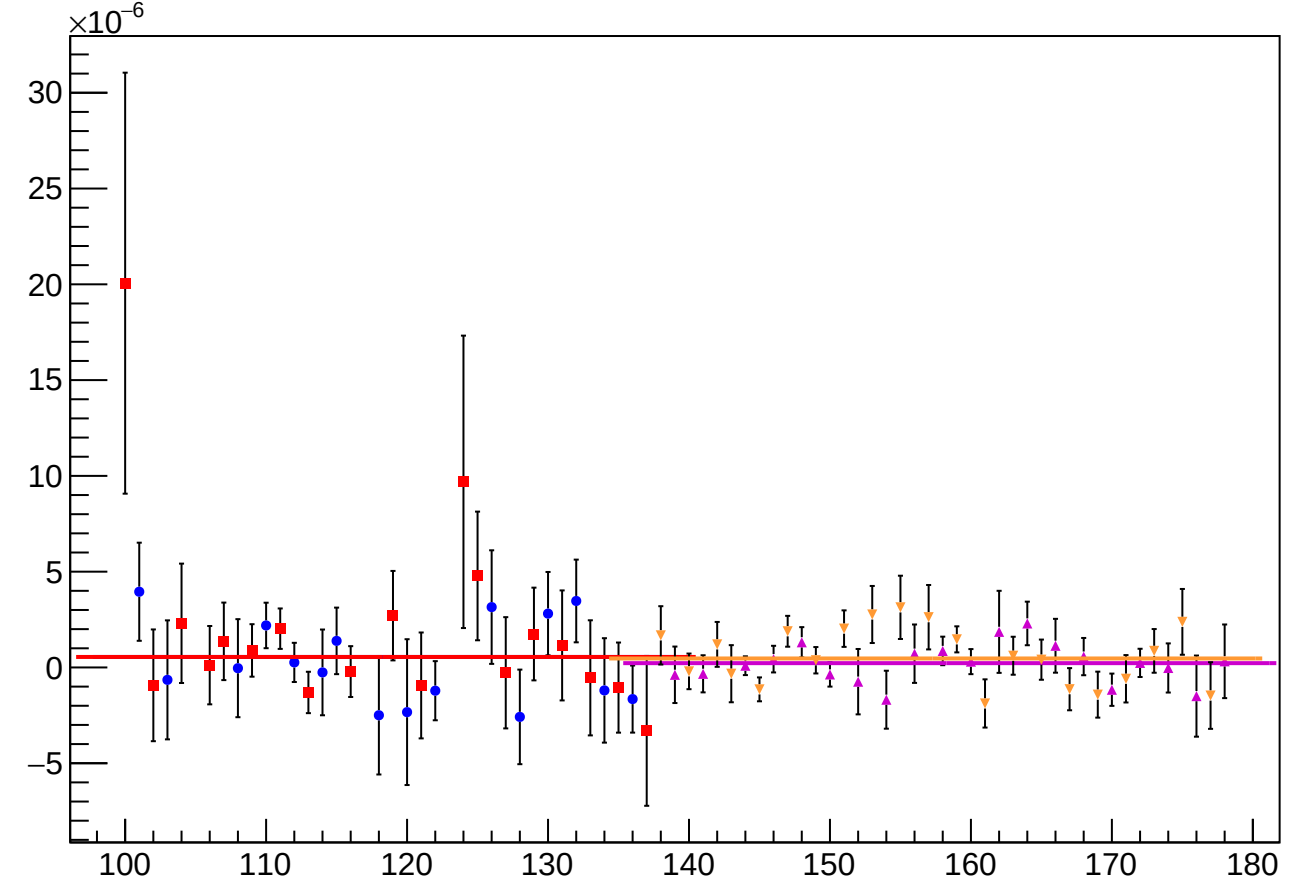
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 19.966+/-0.004 χ^2/NDF:909537.0/19

+ sign 20.392+/-0.003 χ^2/NDF: 2579010.8/36

All: 20.139+/-0.002 χ^2/NDF: 5942286.3/75

- sign 19.891+/-0.003 χ^2/NDF: 3350061.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:34.5/20

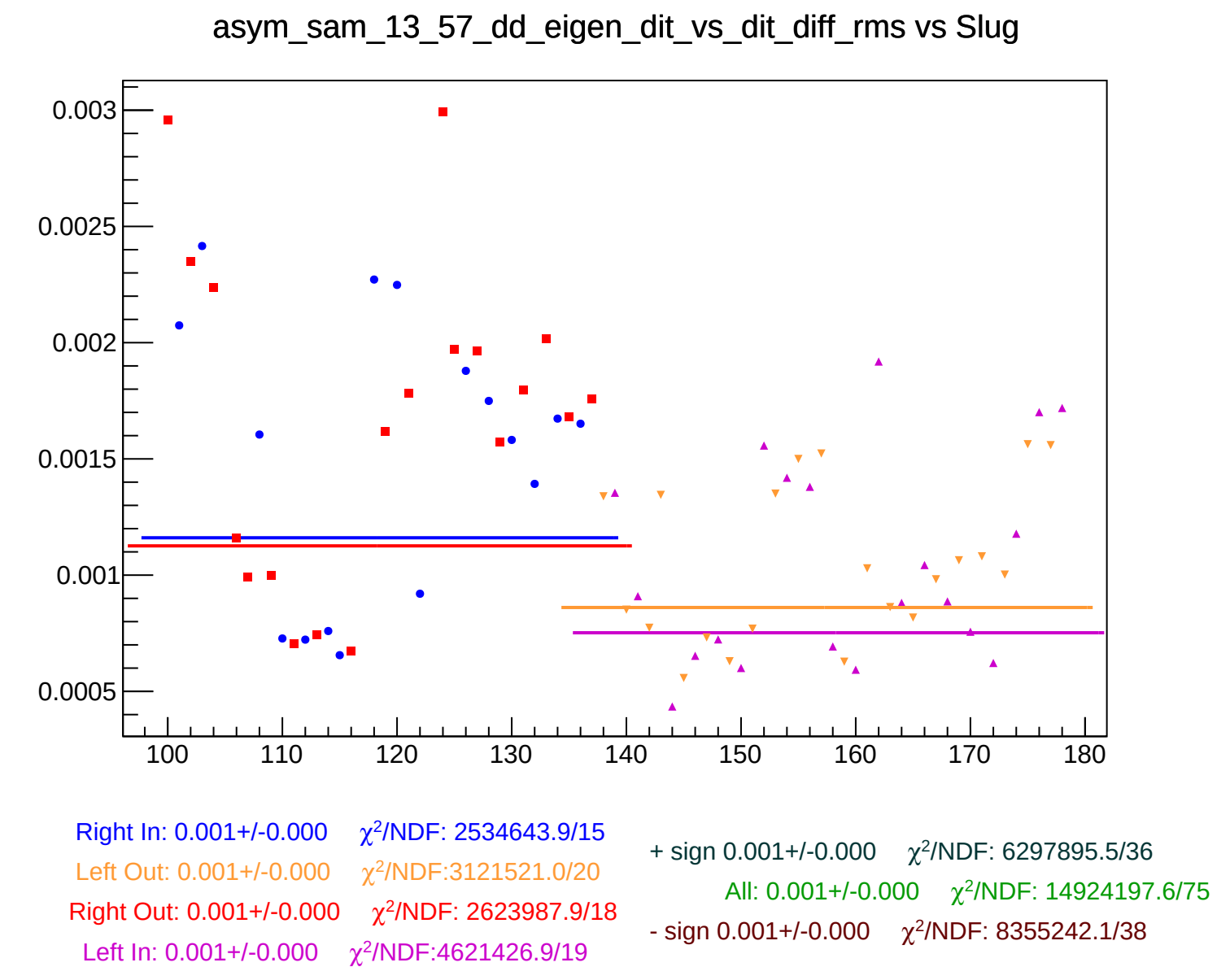
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

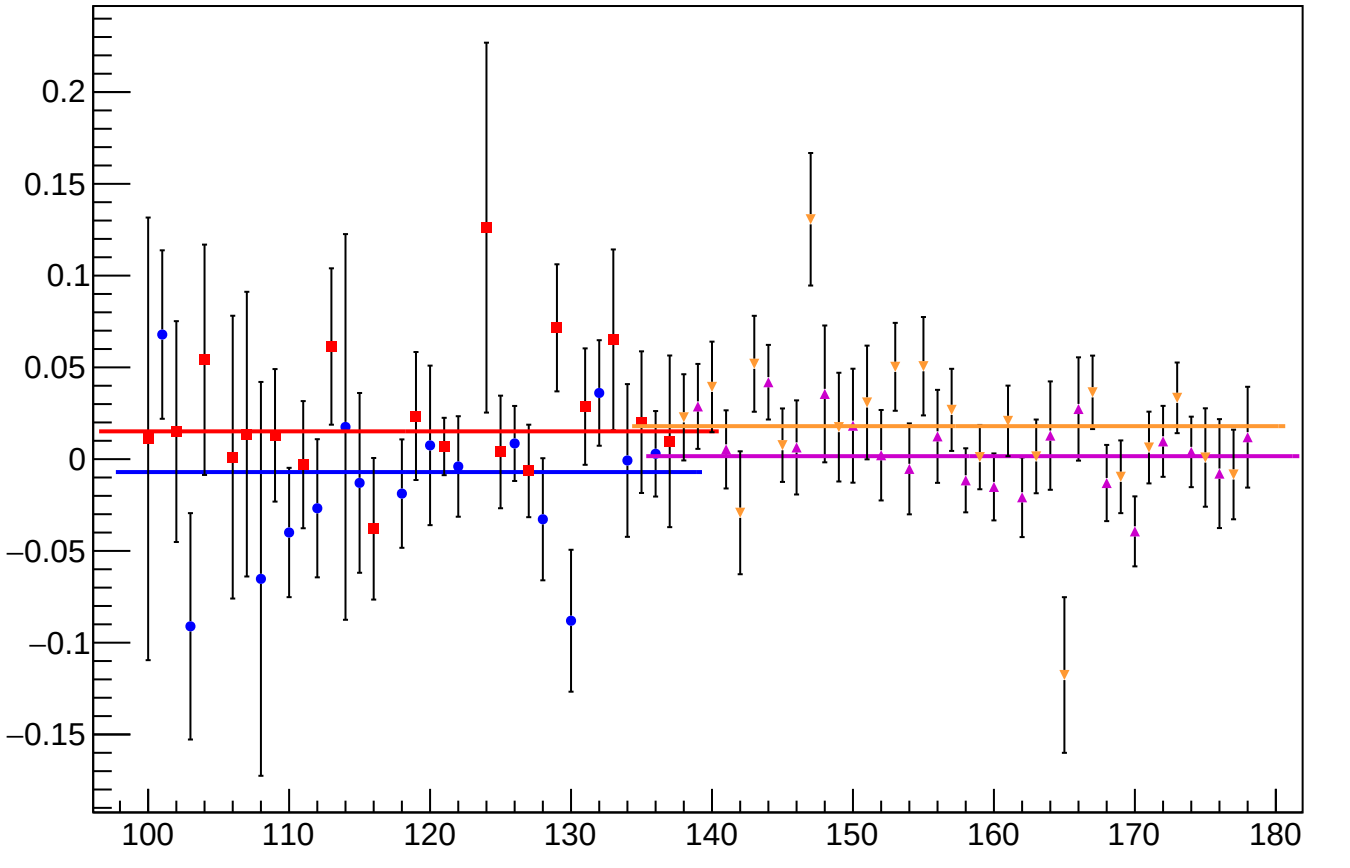
Left In: 0.000+/-0.000 χ^2/NDF:14.0/19

+ sign 0.000+/-0.000 χ^2/NDF: 49.0/36

All: 0.000+/-0.000 χ^2/NDF: 79.3/75

- sign 0.000+/-0.000 χ^2/NDF: 29.8/38


asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 2534643.9/15
Left Out: 0.001+/-0.000 χ²/NDF:3121521.0/20
Right Out: 0.001+/-0.000 χ²/NDF: 2623987.9/18
Left In: 0.001+/-0.000 χ²/NDF:4621426.9/19
+ sign 0.001+/-0.000 χ²/NDF: 6297895.5/36
All: 0.001+/-0.000 χ²/NDF: 14924197.6/75
- sign 0.001+/-0.000 χ²/NDF: 8355242.1/38



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.018+/-0.005 χ^2/NDF:35.3/20

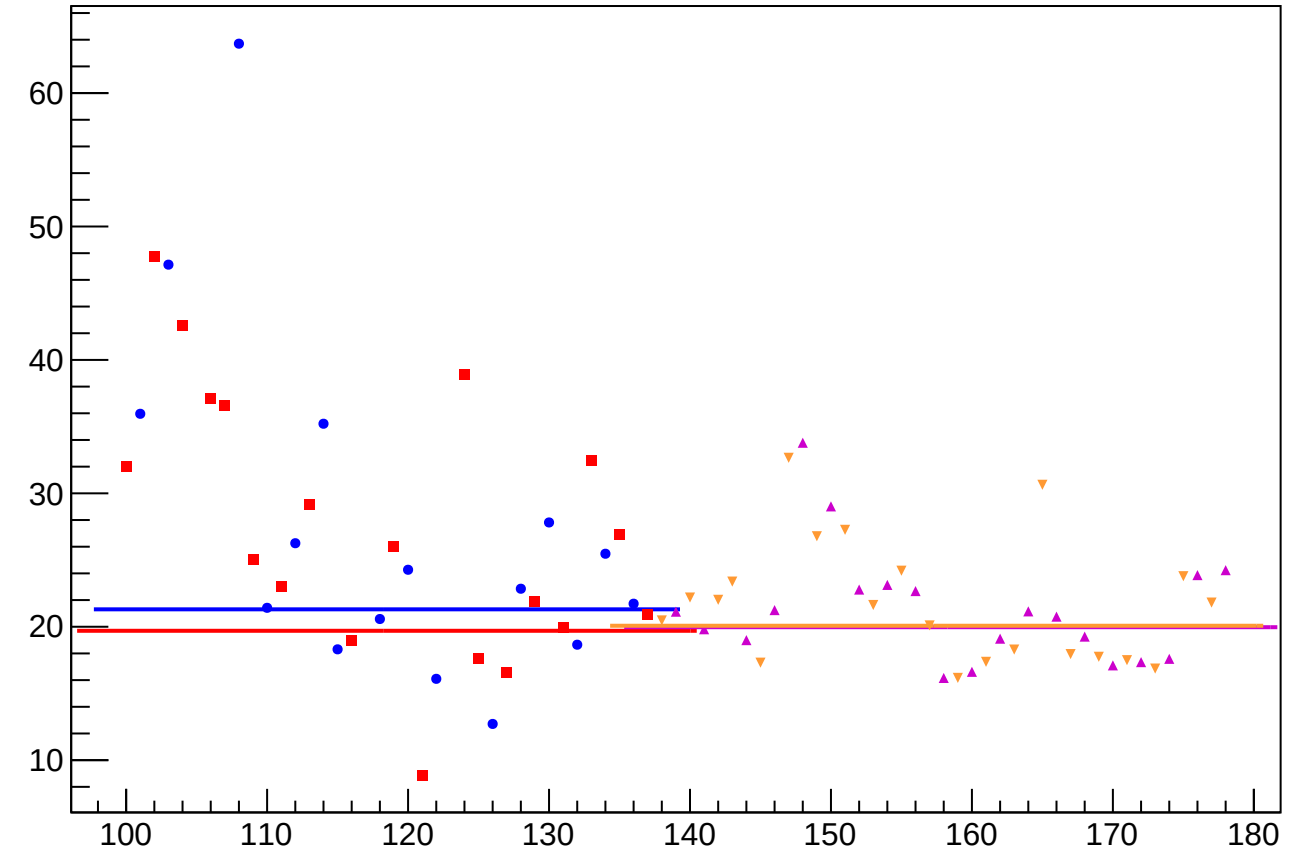
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.002+/-0.005 χ^2/NDF:15.7/19

+ sign 0.012+/-0.004 χ^2/NDF: 55.9/36

All: 0.008+/-0.003 χ^2/NDF: 84.7/75

- sign 0.005+/-0.004 χ^2/NDF: 27.8/38



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.075+/-0.004 χ^2/NDF:1069509.5/20

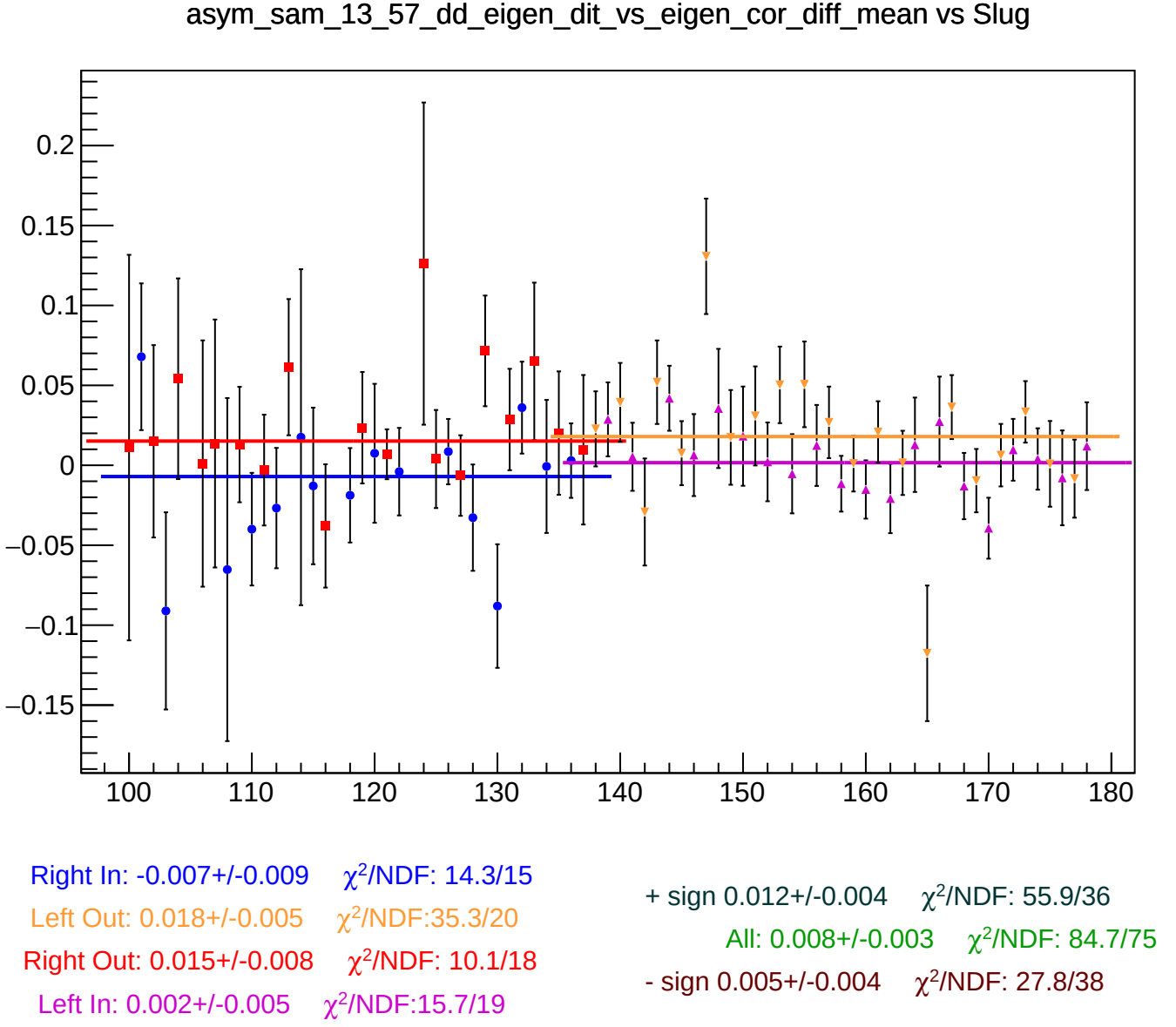
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

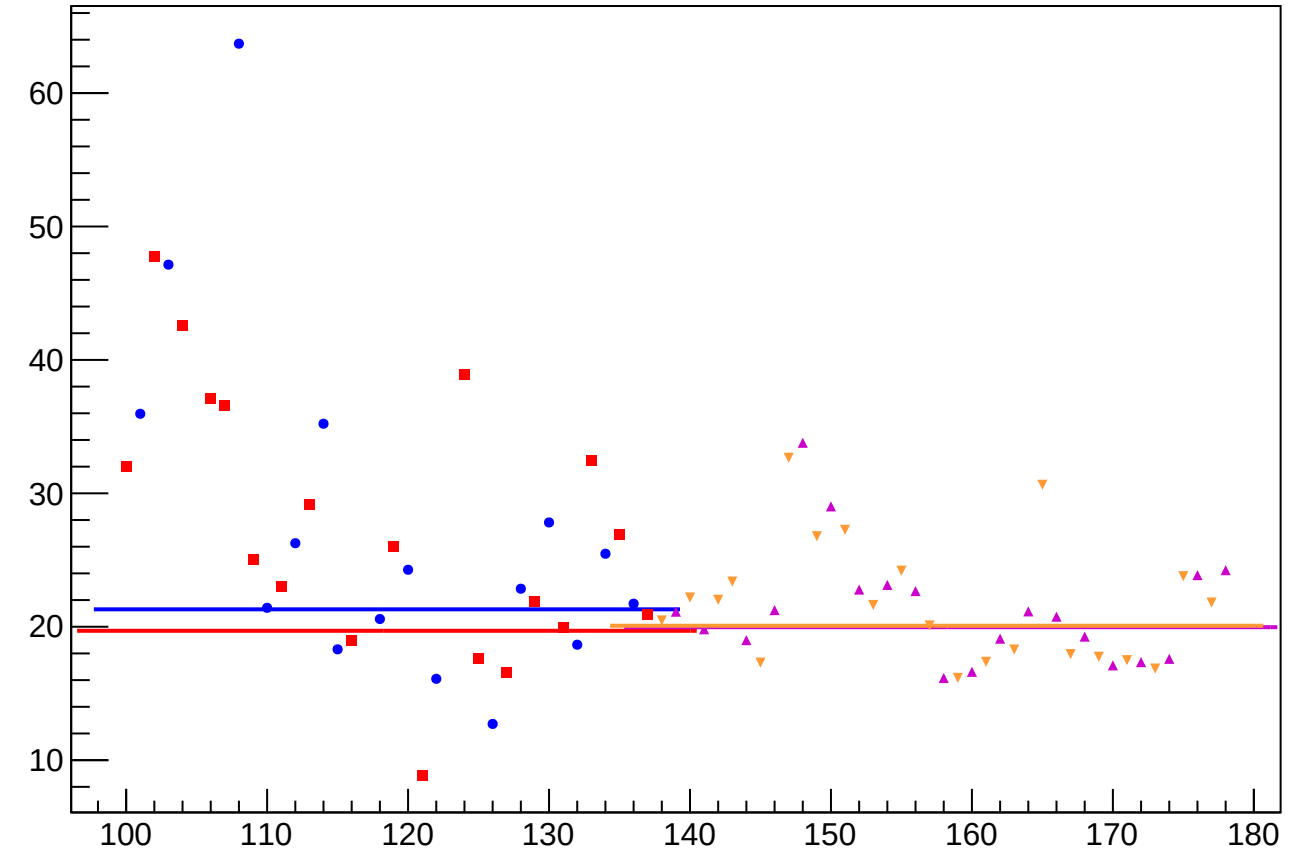
Left In: 19.966+/-0.004 χ^2/NDF:909579.7/19

\+ sign 20.392+/-0.003 χ^2/NDF: 2578971.7/36

All: 20.140+/-0.002 χ^2/NDF: 5941907.1/75

\- sign 19.891+/-0.003 χ^2/NDF: 3349730.4/38


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
100
110
120
130
140
150
160
170
180
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.018+/-0.005 χ²/NDF:35.3/20
Right Out: 0.015+/-0.008 χ²/NDF: 10.1/18
Left In: 0.002+/-0.005 χ²/NDF:15.7/19
+ sign 0.012+/-0.004 χ²/NDF: 55.9/36
All: 0.008+/-0.003 χ²/NDF: 84.7/75
- sign 0.005+/-0.004 χ²/NDF: 27.8/38



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.075+/-0.004 χ^2/NDF:1069509.5/20

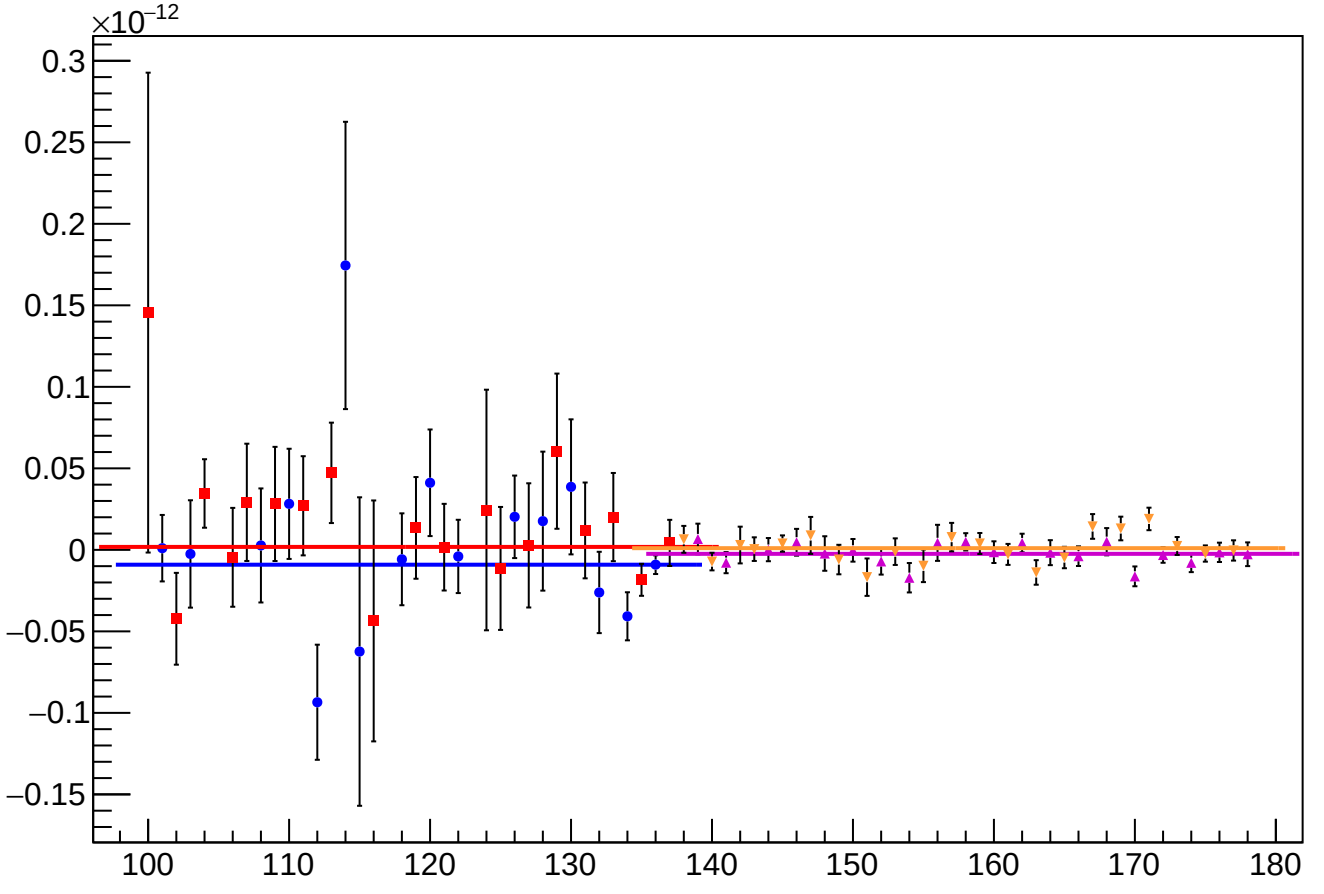
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 19.966+/-0.004 χ^2/NDF:909579.7/19

\+ sign 20.392+/-0.003 χ^2/NDF: 2578971.7/36

All: 20.140+/-0.002 χ^2/NDF: 5941907.1/75

\- sign 19.891+/-0.003 χ^2/NDF: 3349730.4/38



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.8/20

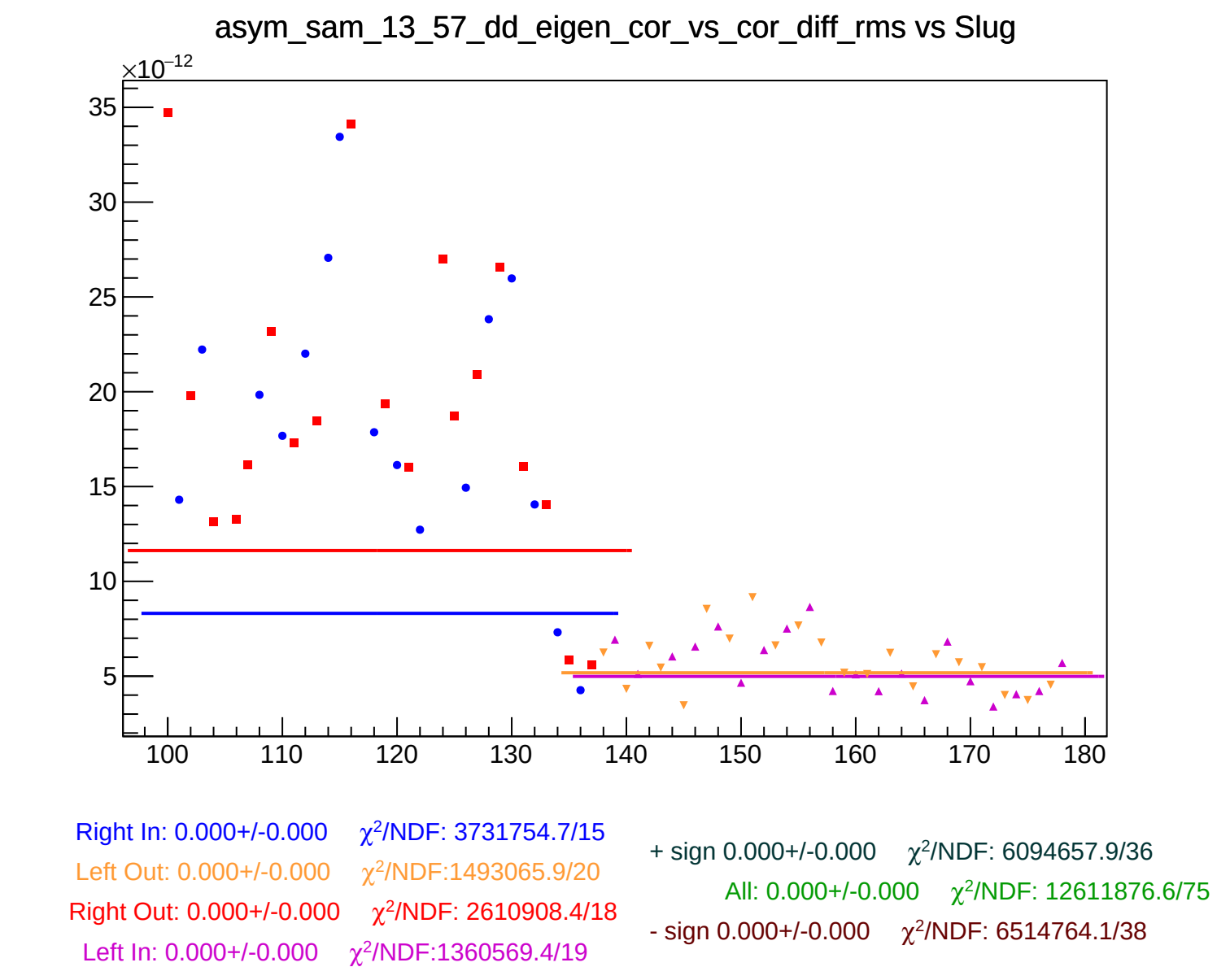
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:16.2/19

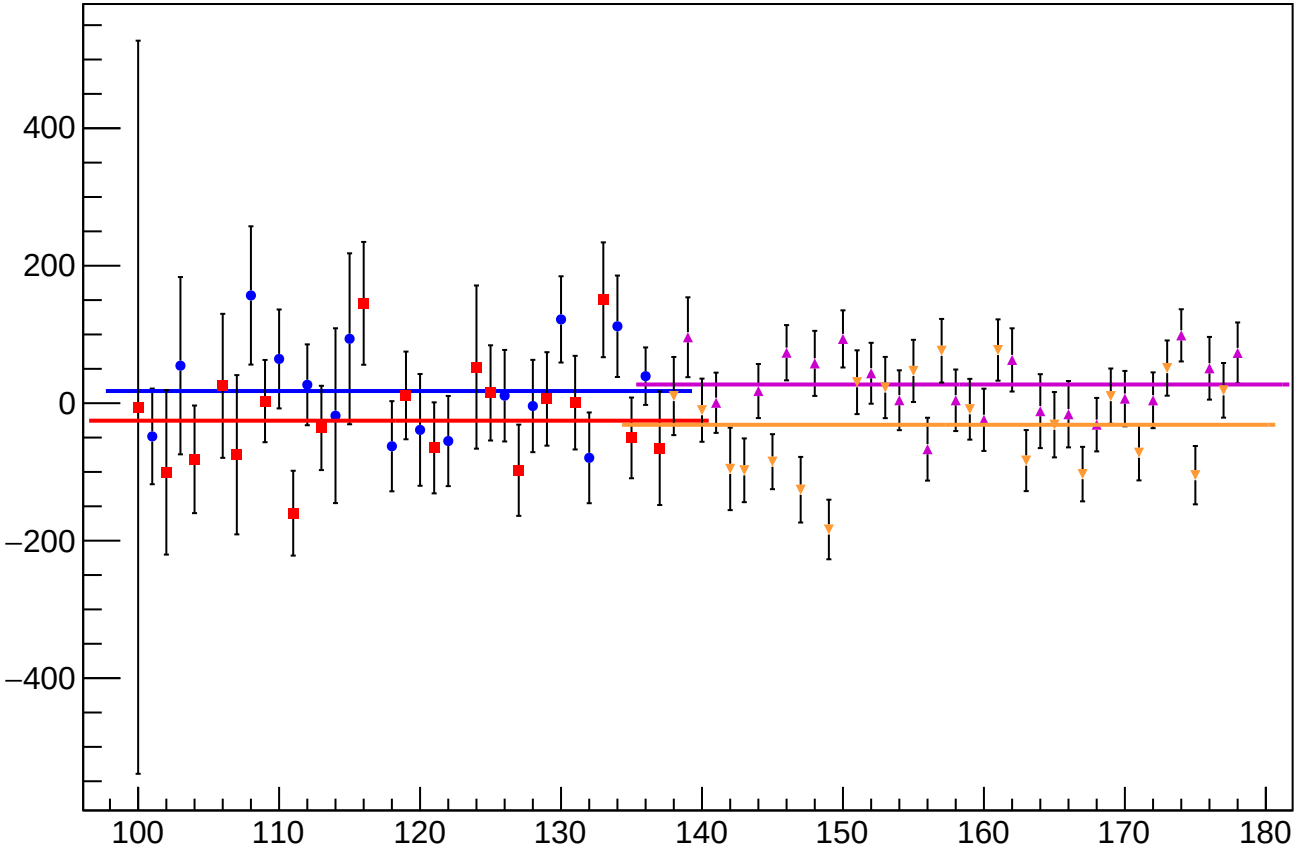
+ sign -0.000+/-0.000 χ^2/NDF: 53.9/36

All: -0.000+/-0.000 χ^2/NDF: 88.7/75

- sign -0.000+/-0.000 χ^2/NDF: 33.7/38


asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
35
30
25
20
15
10
5
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3731754.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1493065.9/20
Right Out: 0.000+/-0.000 χ²/NDF: 2610908.4/18
Left In: 0.000+/-0.000 χ²/NDF:1360569.4/19
+ sign 0.000+/-0.000 χ²/NDF: 6094657.9/36
All: 0.000+/-0.000 χ²/NDF: 12611876.6/75
- sign 0.000+/-0.000 χ²/NDF: 6514764.1/38

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -31.397+/-9.673 χ^2/NDF:55.4/20

Right Out: -25.440+/-17.337 χ^2/NDF: 17.8/18

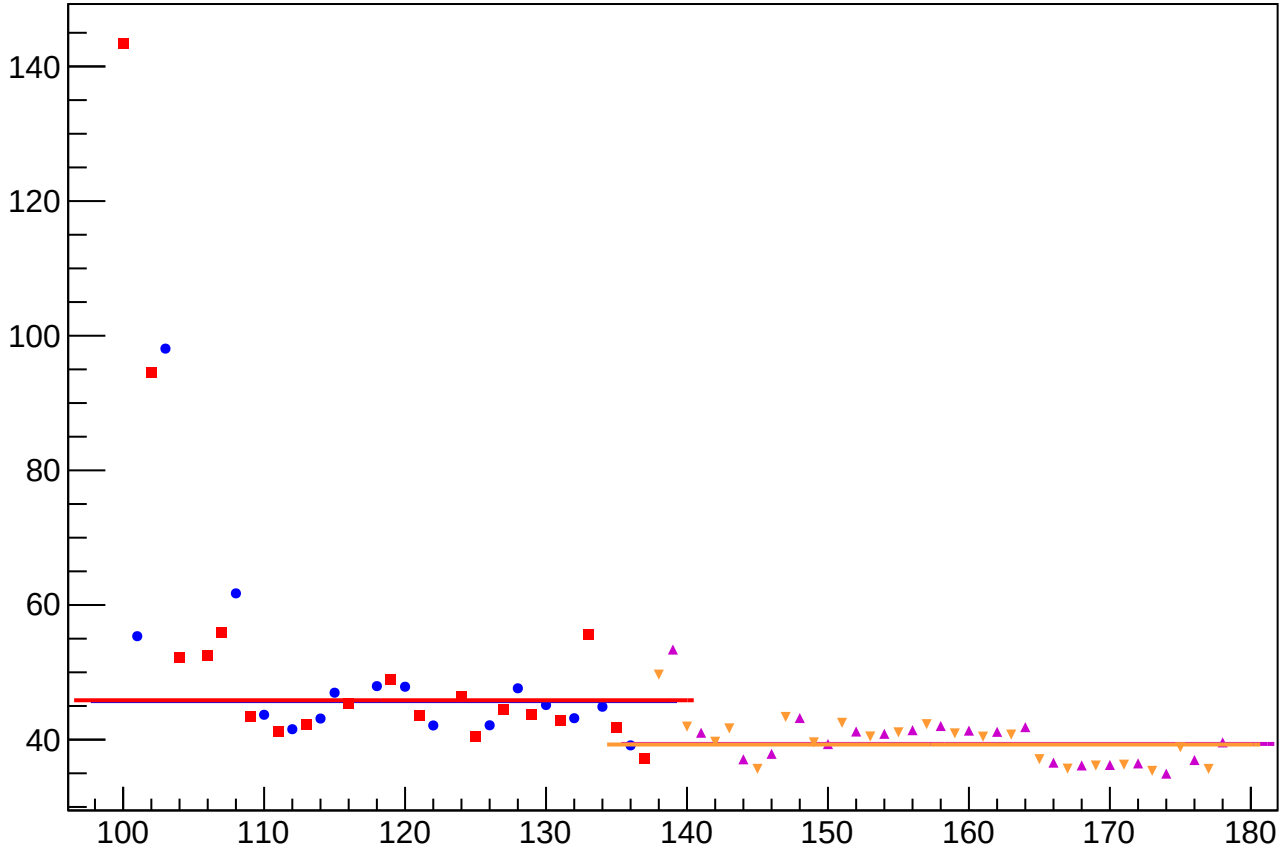
Left In: 27.202+/-9.795 χ^2/NDF:22.0/19

+ sign -19.877+/-8.463 χ^2/NDF: 75.4/36

All: -2.838+/-6.007 χ^2/NDF: 130.4/75

- sign 14.465+/-8.528 χ^2/NDF: 46.8/38

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 39.276+/-0.007 χ^2/NDF:218500.1/20

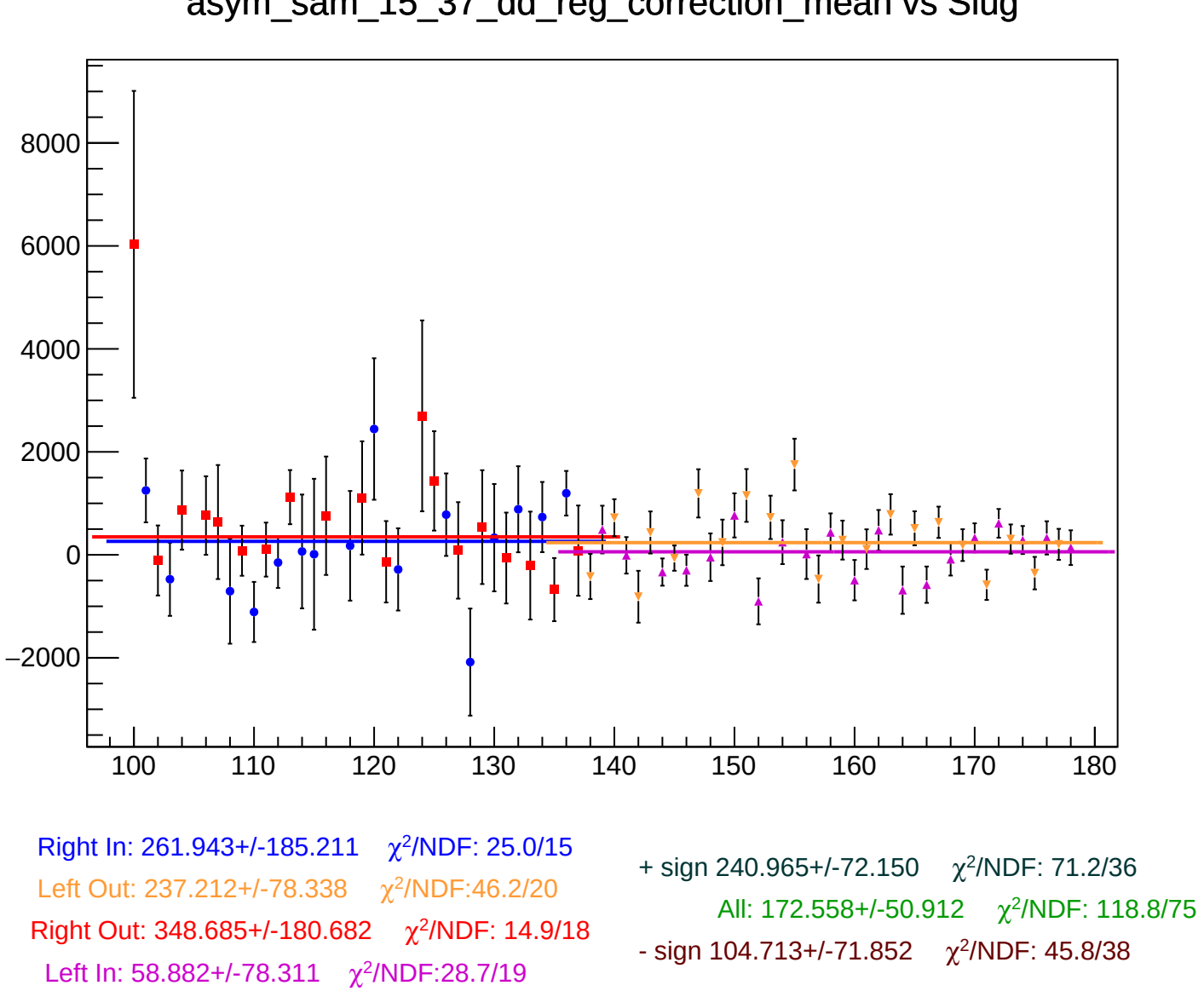
Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

Left In: 39.363+/-0.007 χ^2/NDF:244827.3/19

+ sign 40.789+/-0.006 χ^2/NDF: 928680.2/36

All: 40.860+/-0.004 χ^2/NDF: 1926175.3/75

- sign 40.932+/-0.006 χ^2/NDF: 997212.3/38


asym_sam_15_37_dd_reg_correction_mean vs Slug
8000
6000
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−2000
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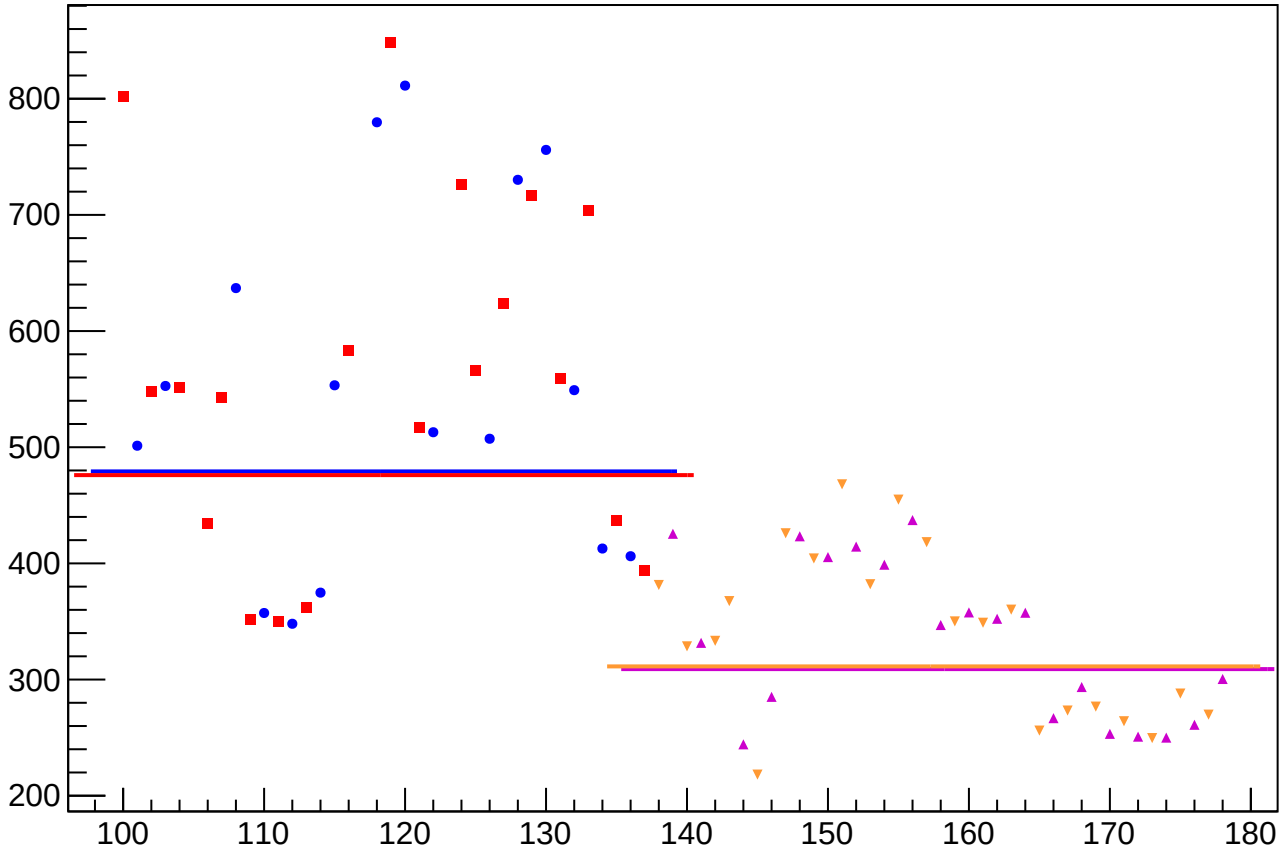
130
140
150
160
170
180
Right In: 261.943+/-185.211 χ²/NDF: 25.0/15
Left Out: 237.212+/-78.338 χ²/NDF:46.2/20
Right Out: 348.685+/-180.682 χ²/NDF: 14.9/18
Left In: 58.882+/-78.311 χ²/NDF:28.7/19
+ sign 240.965+/-72.150 χ²/NDF: 71.2/36
All: 172.558+/-50.912 χ²/NDF: 118.8/75
- sign 104.713+/-71.852 χ²/NDF: 45.8/38

asym_sam_15_37_dd_reg_correction_rms vs Slug



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 311.320+/-0.055 χ^2/NDF:1486466.9/20

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

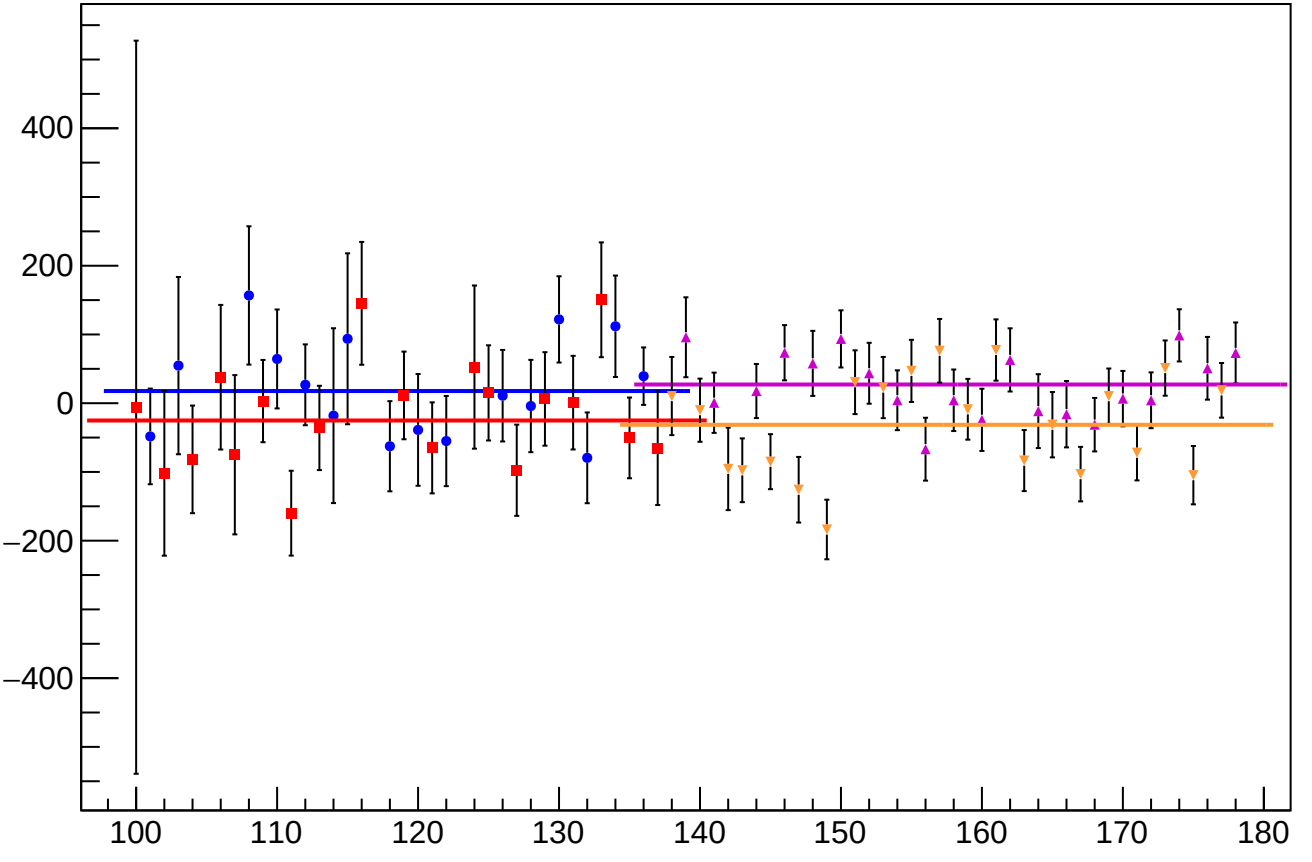
Left In: 308.999+/-0.055 χ^2/NDF:1267405.3/19

\+ sign 336.793+/-0.051 χ^2/NDF: 3832639.4/36

All: 336.098+/-0.036 χ^2/NDF: 7545149.6/75

\- sign 335.408+/-0.051 χ^2/NDF: 3712140.2/38

cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -31.398+/-9.673 χ^2/NDF:55.4/20

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

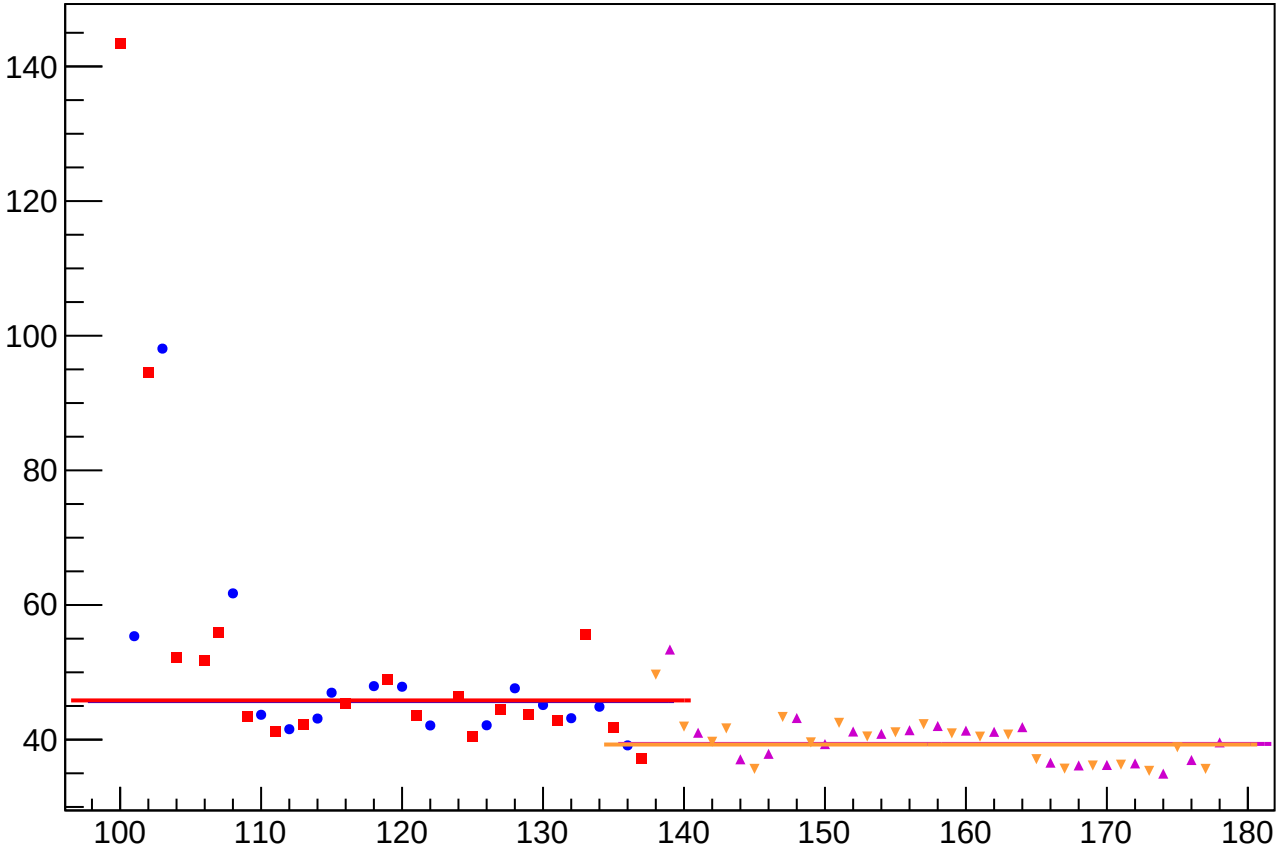
Left In: 27.201+/-9.795 χ^2/NDF:22.0/19

+ sign -19.876+/-8.463 χ^2/NDF: 75.4/36

All: -2.802+/-6.007 χ^2/NDF: 130.5/75

- sign 14.538+/-8.528 χ^2/NDF: 46.9/38

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 39.276+/-0.007 χ^2/NDF:218500.1/20

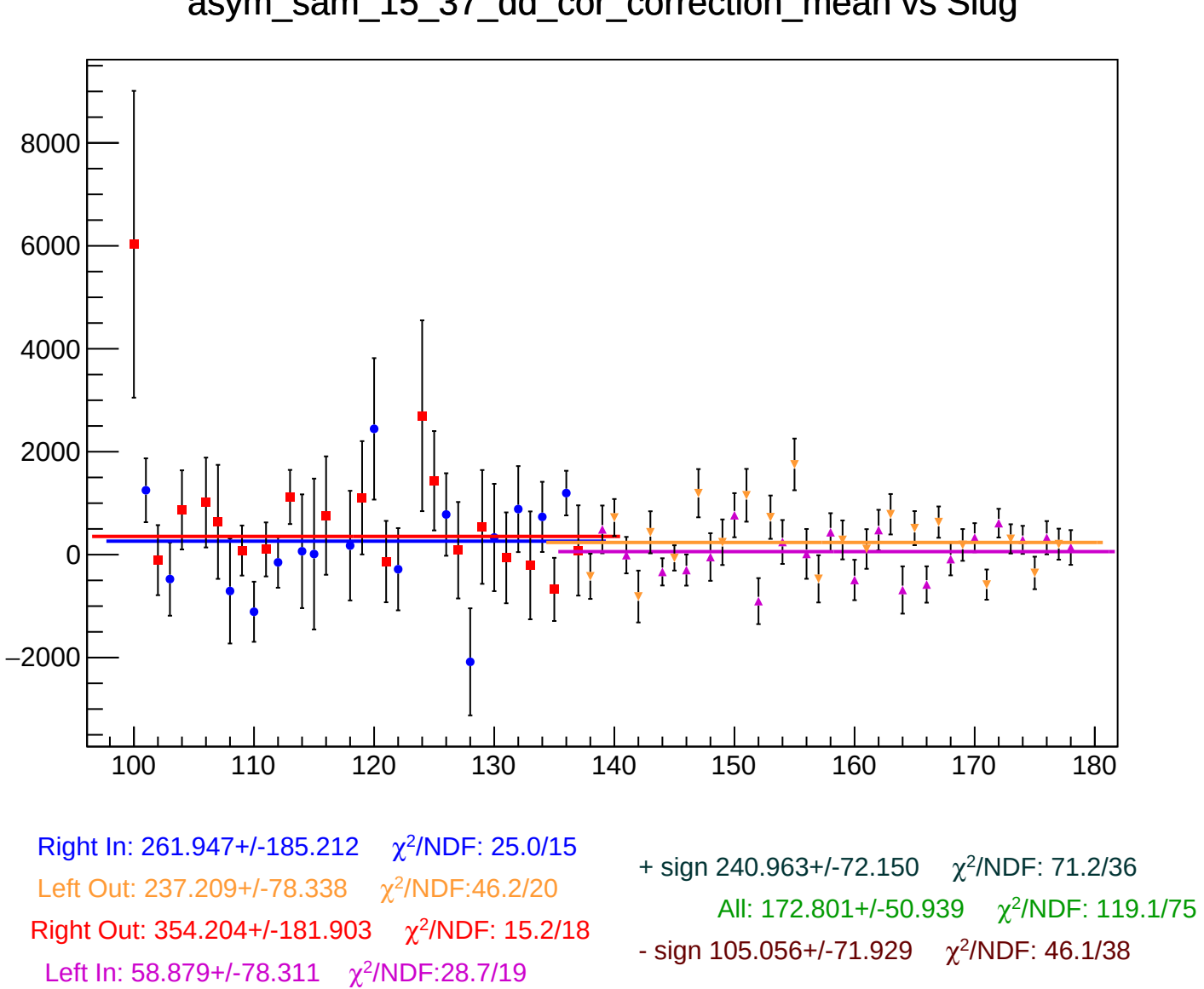
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 39.363+/-0.007 χ^2/NDF:244827.2/19

+ sign 40.789+/-0.006 χ^2/NDF: 928683.2/36

All: 40.857+/-0.004 χ^2/NDF: 1922868.1/75

- sign 40.926+/-0.006 χ^2/NDF: 993925.8/38


asym_sam_15_37_dd_cor_correction_mean vs Slug
8000
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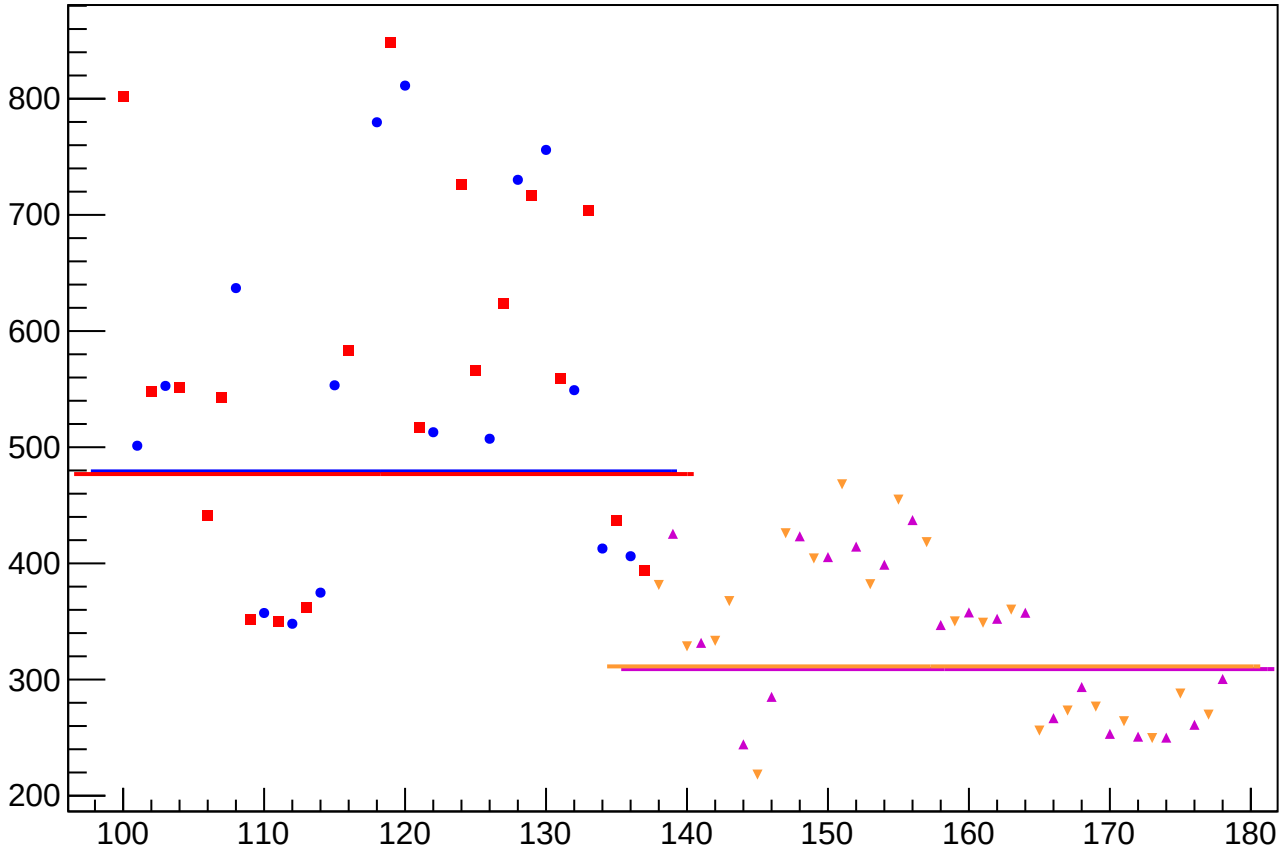
170
180
Right In: 261.947+/-185.212 χ²/NDF: 25.0/15
Left Out: 237.209+/-78.338 χ²/NDF:46.2/20
Right Out: 354.204+/-181.903 χ²/NDF: 15.2/18
Left In: 58.879+/-78.311 χ²/NDF:28.7/19
+ sign 240.963+/-72.150 χ²/NDF: 71.2/36
All: 172.801+/-50.939 χ²/NDF: 119.1/75
- sign 105.056+/-71.929 χ²/NDF: 46.1/38

asym_sam_15_37_dd_cor_correction_rms vs Slug



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 311.320+/-0.055 χ^2/NDF:1486464.7/20

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

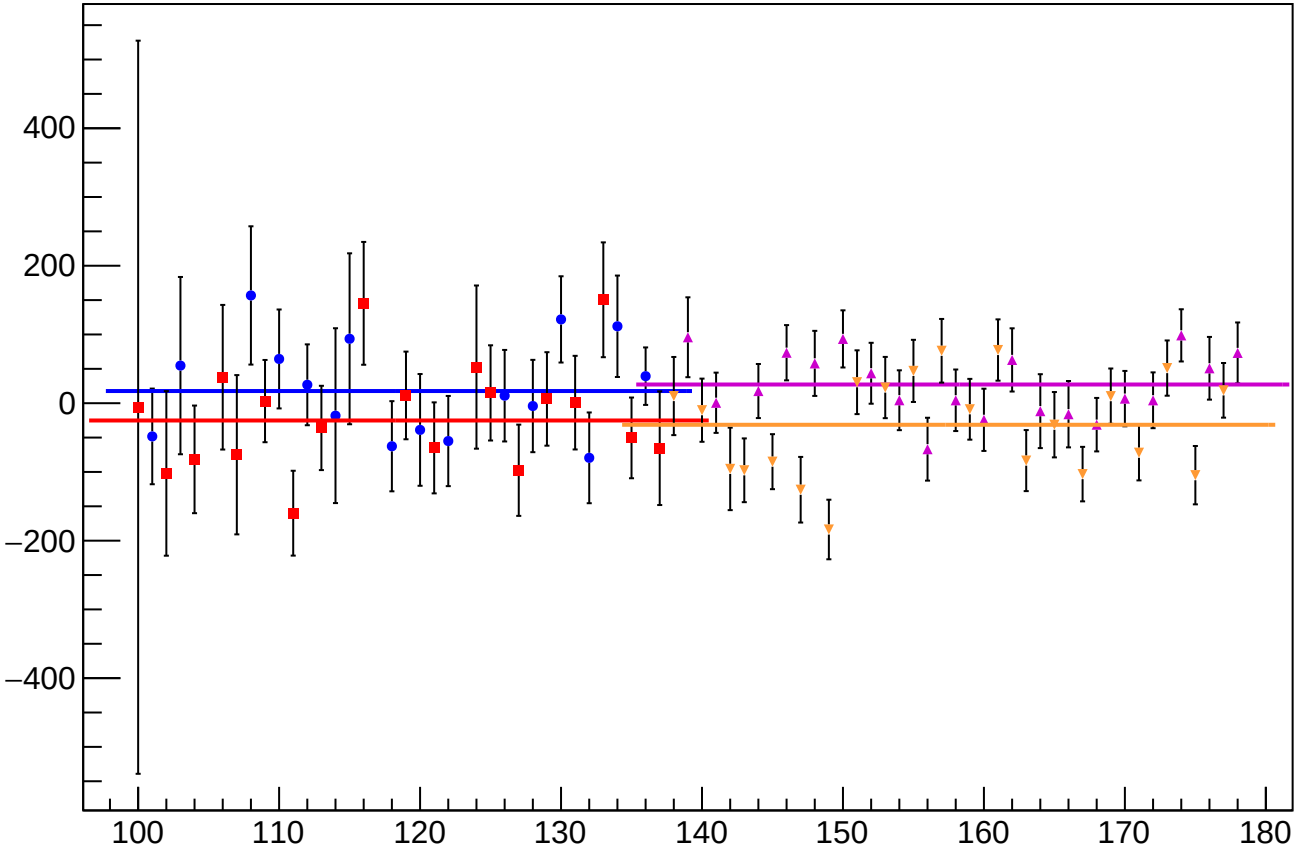
Left In: 308.999+/-0.055 χ^2/NDF:1267413.8/19

+ sign 336.793+/-0.051 χ^2/NDF: 3832688.6/36

All: 336.020+/-0.036 χ^2/NDF: 7541733.0/75

- sign 335.251+/-0.051 χ^2/NDF: 3708586.0/38

eigen_cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -31.398+/-9.673 χ^2/NDF:55.4/20

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

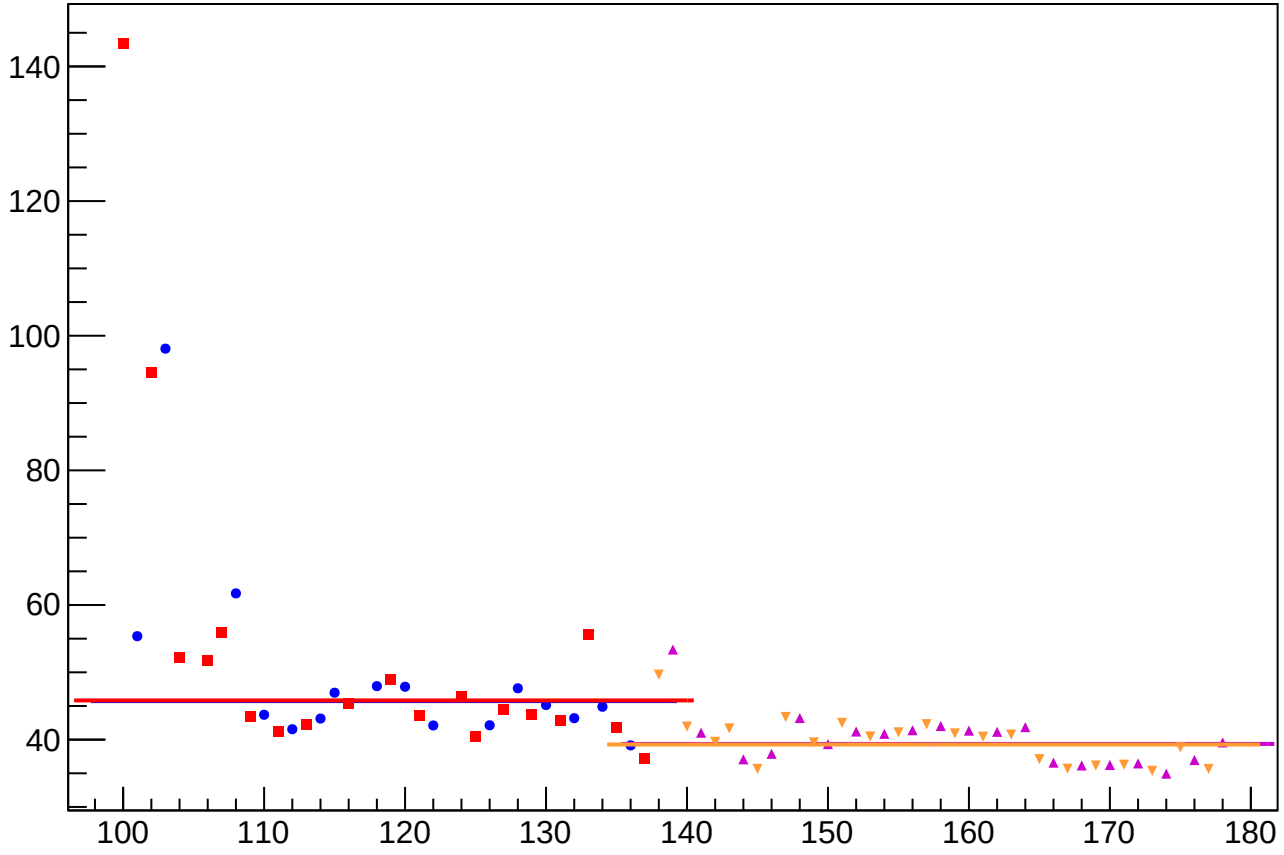
Left In: 27.201+/-9.795 χ^2/NDF:22.0/19

+ sign -19.876+/-8.463 χ^2/NDF: 75.4/36

All: -2.802+/-6.007 χ^2/NDF: 130.5/75

- sign 14.538+/-8.528 χ^2/NDF: 46.9/38

eigen_cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 39.276+/-0.007 χ^2/NDF:218500.1/20

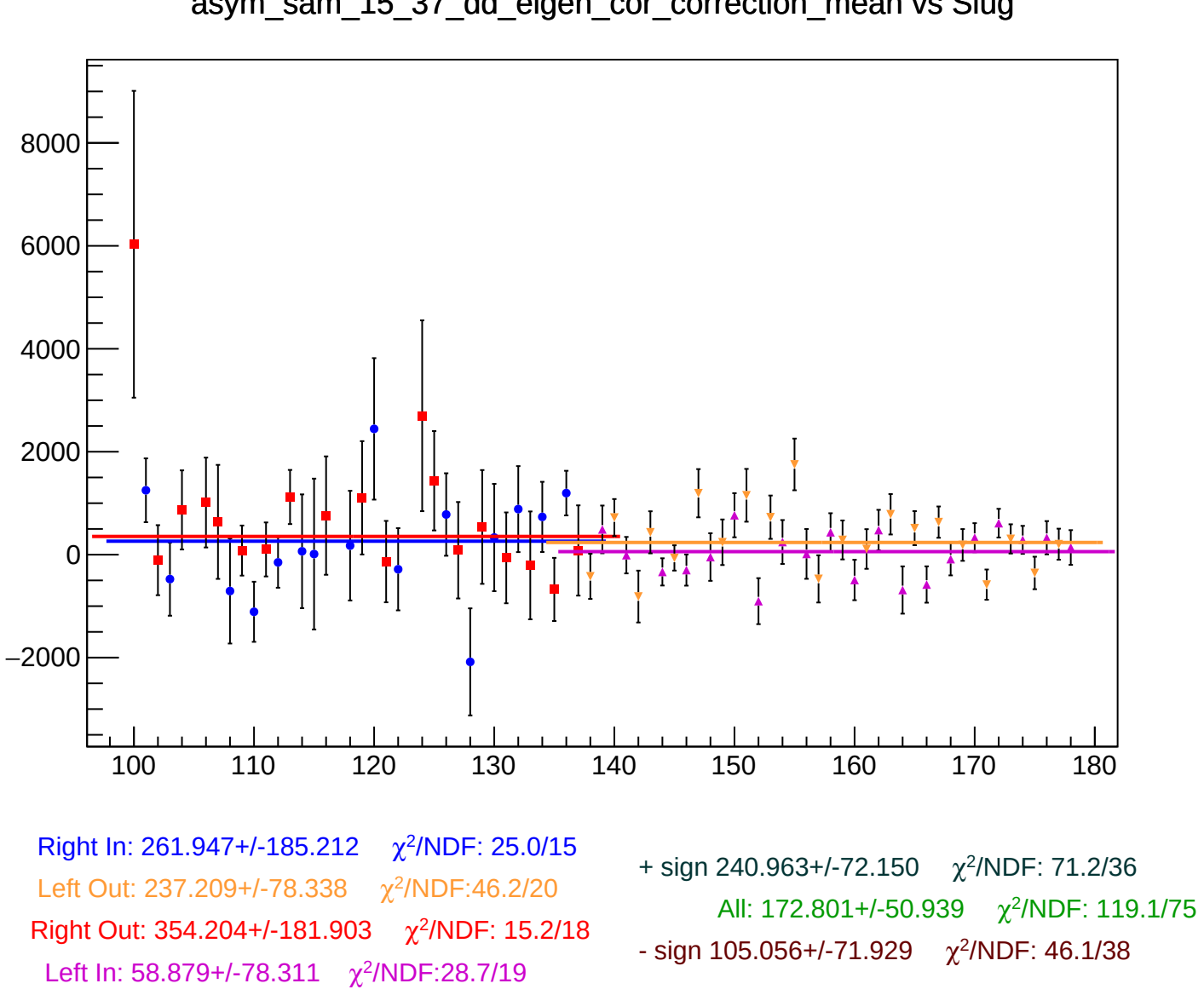
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 39.363+/-0.007 χ^2/NDF:244827.2/19

+ sign 40.789+/-0.006 χ^2/NDF: 928683.2/36

All: 40.857+/-0.004 χ^2/NDF: 1922868.1/75

- sign 40.926+/-0.006 χ^2/NDF: 993925.8/38


asym_sam_15_37_dd_eigen_cor_correction_mean vs Slug
8000
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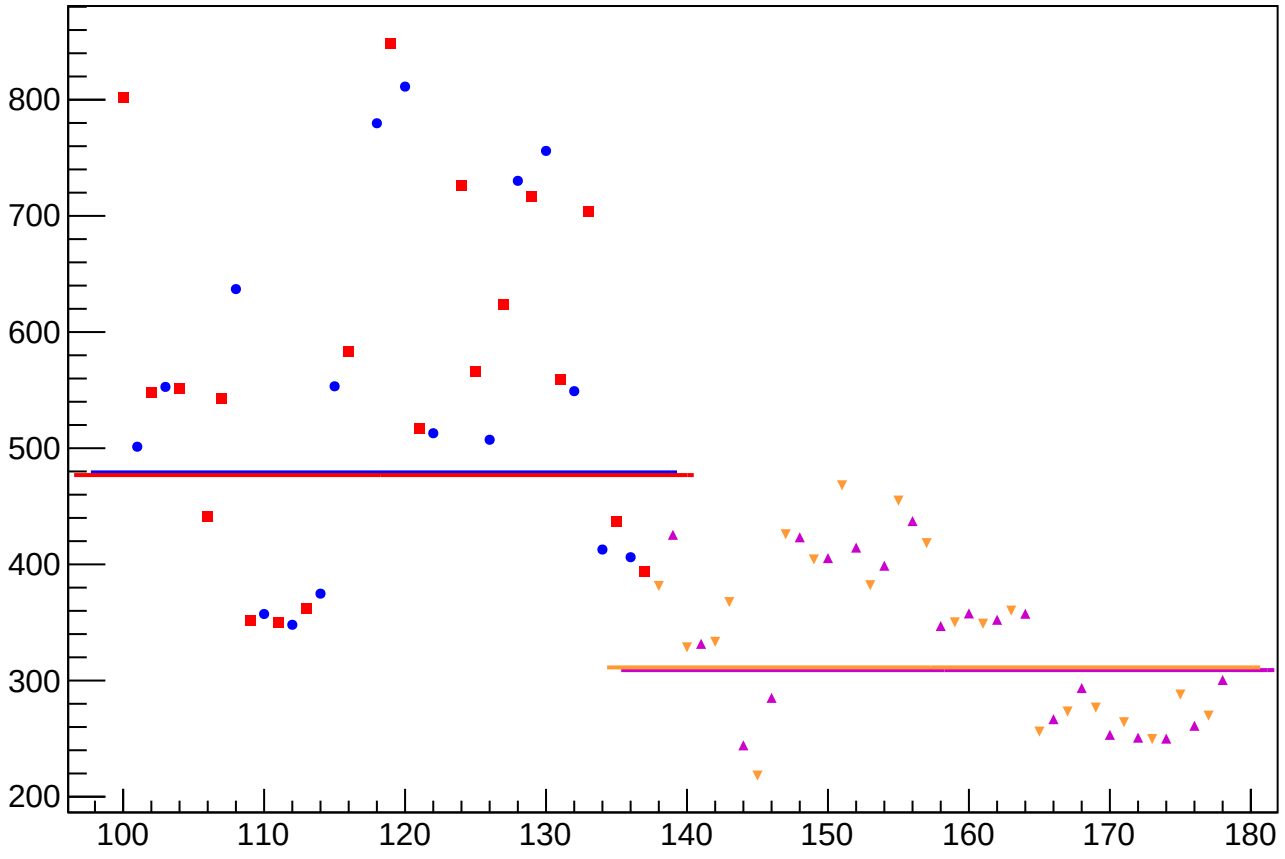
Right In: 261.947+/-185.212 χ²/NDF: 25.0/15
Left Out: 237.209+/-78.338 χ²/NDF:46.2/20
Right Out: 354.204+/-181.903 χ²/NDF: 15.2/18
Left In: 58.879+/-78.311 χ²/NDF:28.7/19
+ sign 240.963+/-72.150 χ²/NDF: 71.2/36
All: 172.801+/-50.939 χ²/NDF: 119.1/75
- sign 105.056+/-71.929 χ²/NDF: 46.1/38



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 311.320+/-0.055 χ^2/NDF:1486464.7/20

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

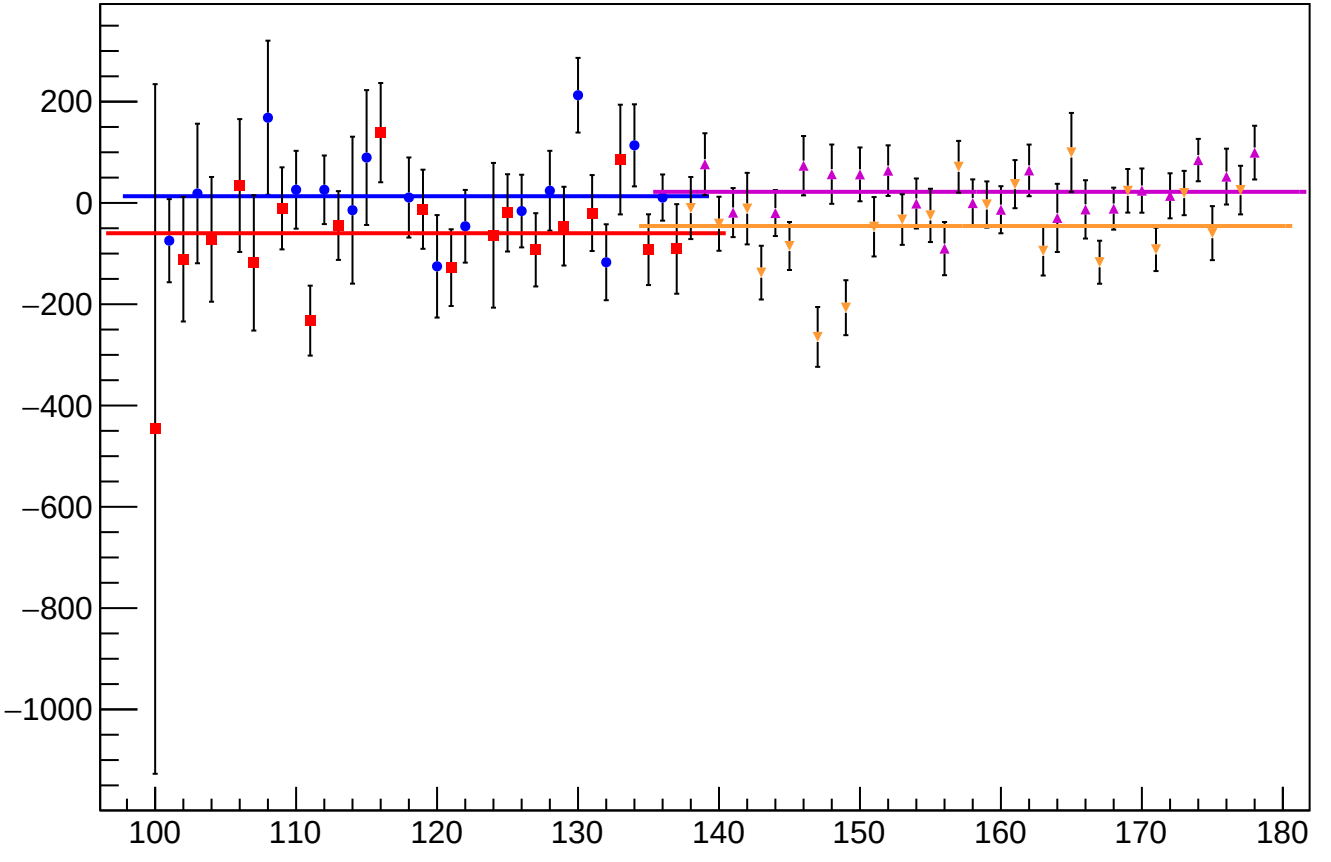
Left In: 308.999+/-0.055 χ^2/NDF:1267413.8/19

+ sign 336.793+/-0.051 χ^2/NDF: 3832688.6/36

All: 336.020+/-0.036 χ^2/NDF: 7541733.0/75

- sign 335.251+/-0.051 χ^2/NDF: 3708586.0/38

dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -45.562+/-11.086 χ^2/NDF:51.8/20

Right Out: -59.810+/-20.234 χ^2/NDF: 16.1/18

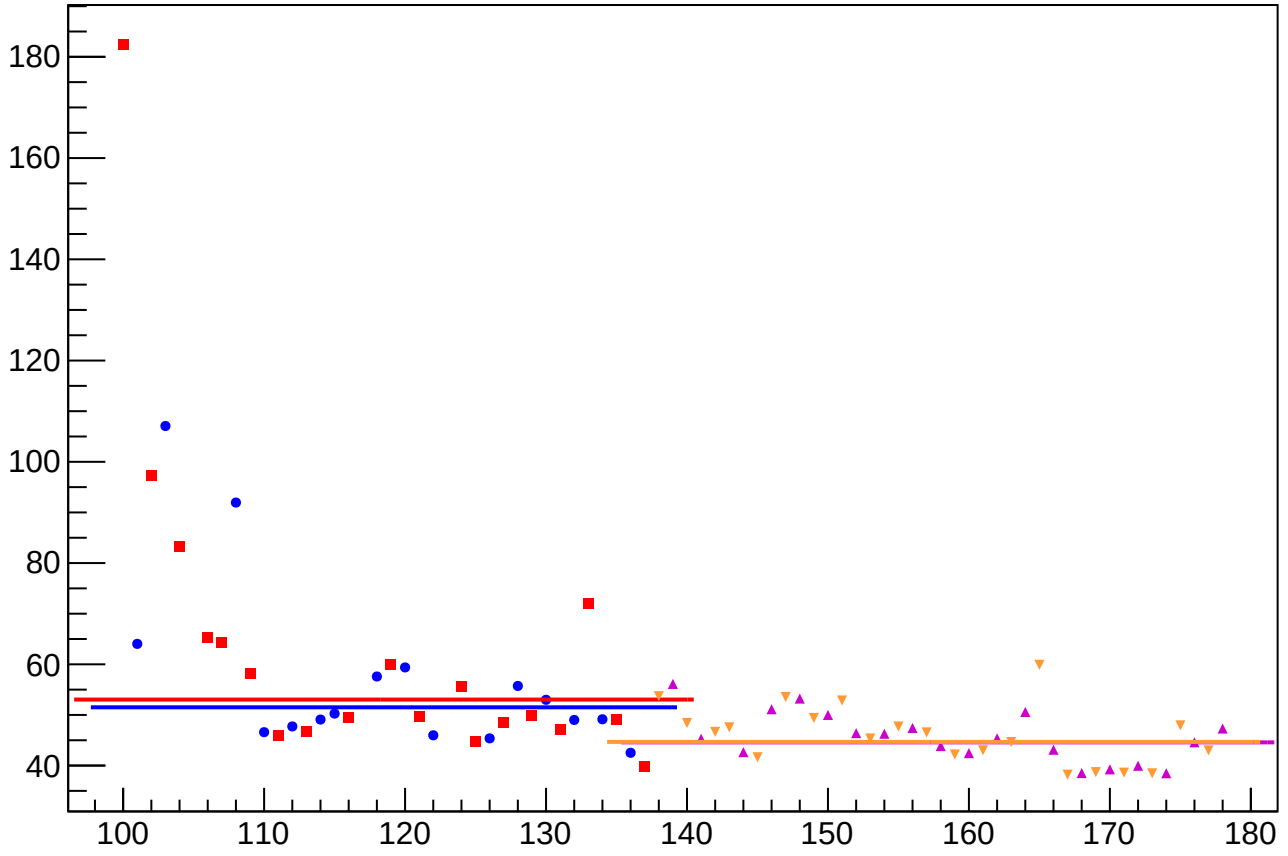
Left In: 21.942+/-11.193 χ^2/NDF:17.2/19

+ sign -31.575+/-9.679 χ^2/NDF: 75.7/36

All: -14.597+/-6.884 χ^2/NDF: 127.7/75

- sign 2.788+/-9.794 χ^2/NDF: 45.8/38

dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 44.675+/-0.008 χ^2/NDF:437327.8/20

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

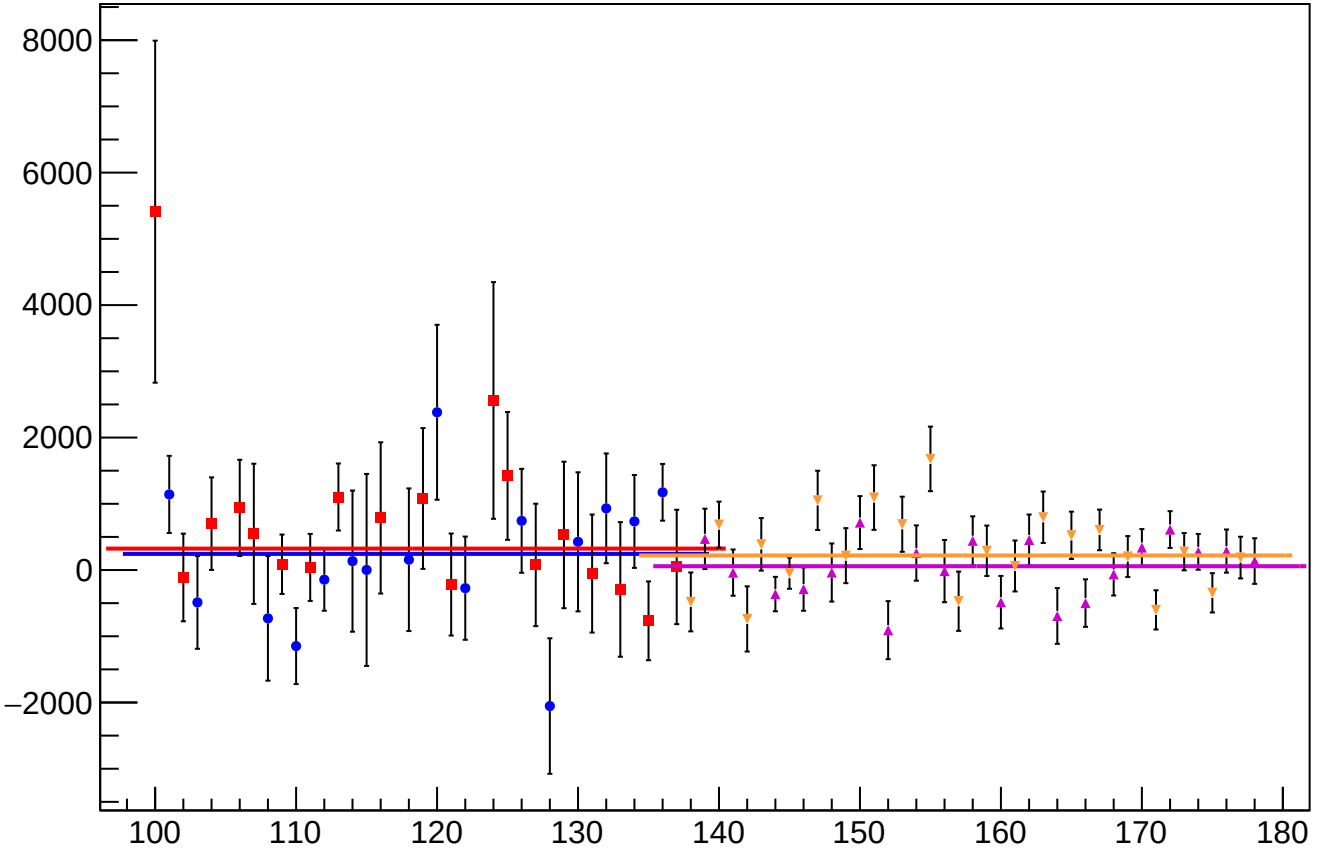
Left In: 44.581+/-0.008 χ^2/NDF:340009.5/19

+ sign 46.299+/-0.007 χ^2/NDF: 1284924.8/36

All: 46.429+/-0.005 χ^2/NDF: 2606040.4/75

- sign 46.563+/-0.007 χ^2/NDF: 1320382.5/38

asym_sam_15_37_dd_dit_correction_mean vs Slug



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 220.252+/-77.480 χ^2/NDF:44.9/20

Right Out: 323.628+/-173.632 χ^2/NDF: 16.5/18

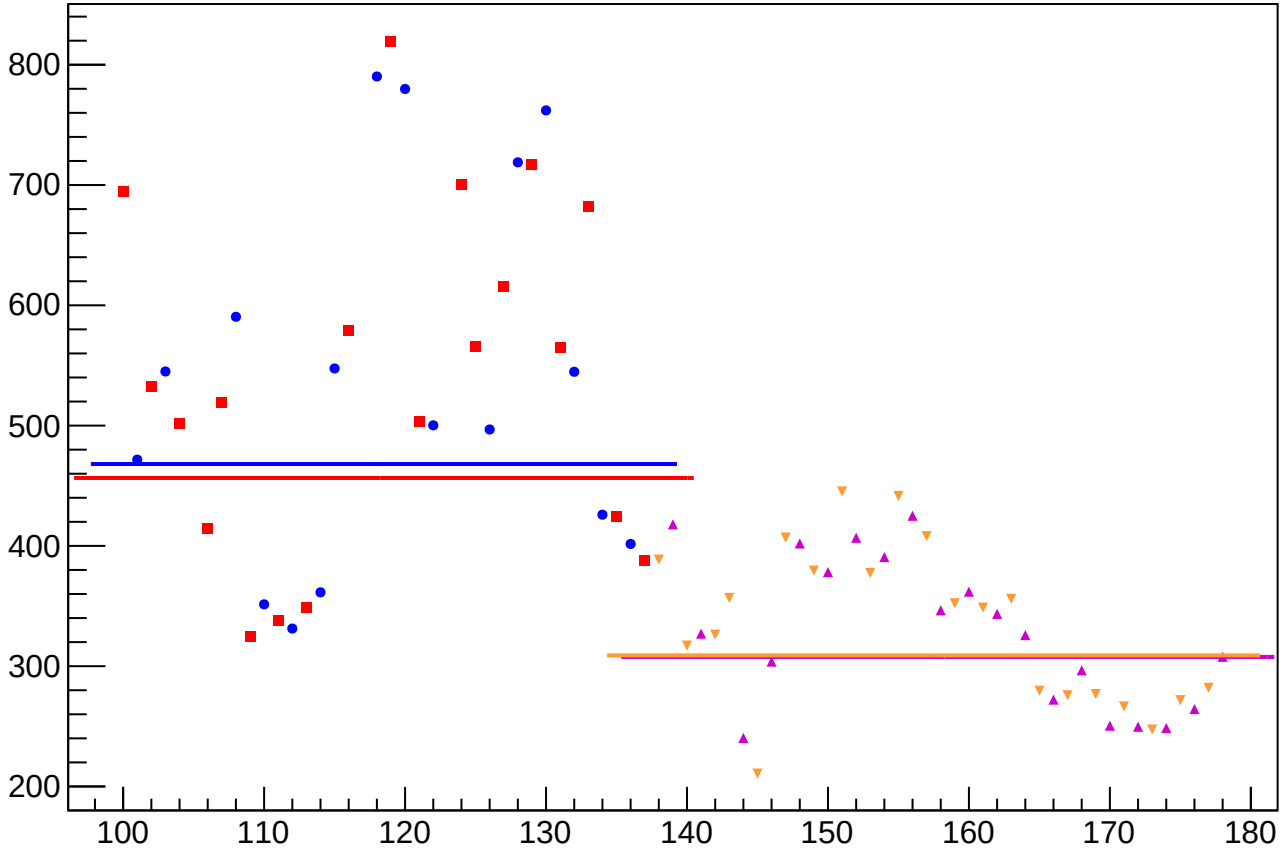
Left In: 57.894+/-77.800 χ^2/NDF:28.5/19

+ sign 223.908+/-71.220 χ^2/NDF: 70.5/36

All: 162.927+/-50.282 χ^2/NDF: 118.9/75

- sign 102.325+/-70.999 χ^2/NDF: 46.9/38

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 468.066+/-0.128 χ^2/NDF: 982915.0/15

Left Out: 308.975+/-0.055 χ^2/NDF:1372525.2/20

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

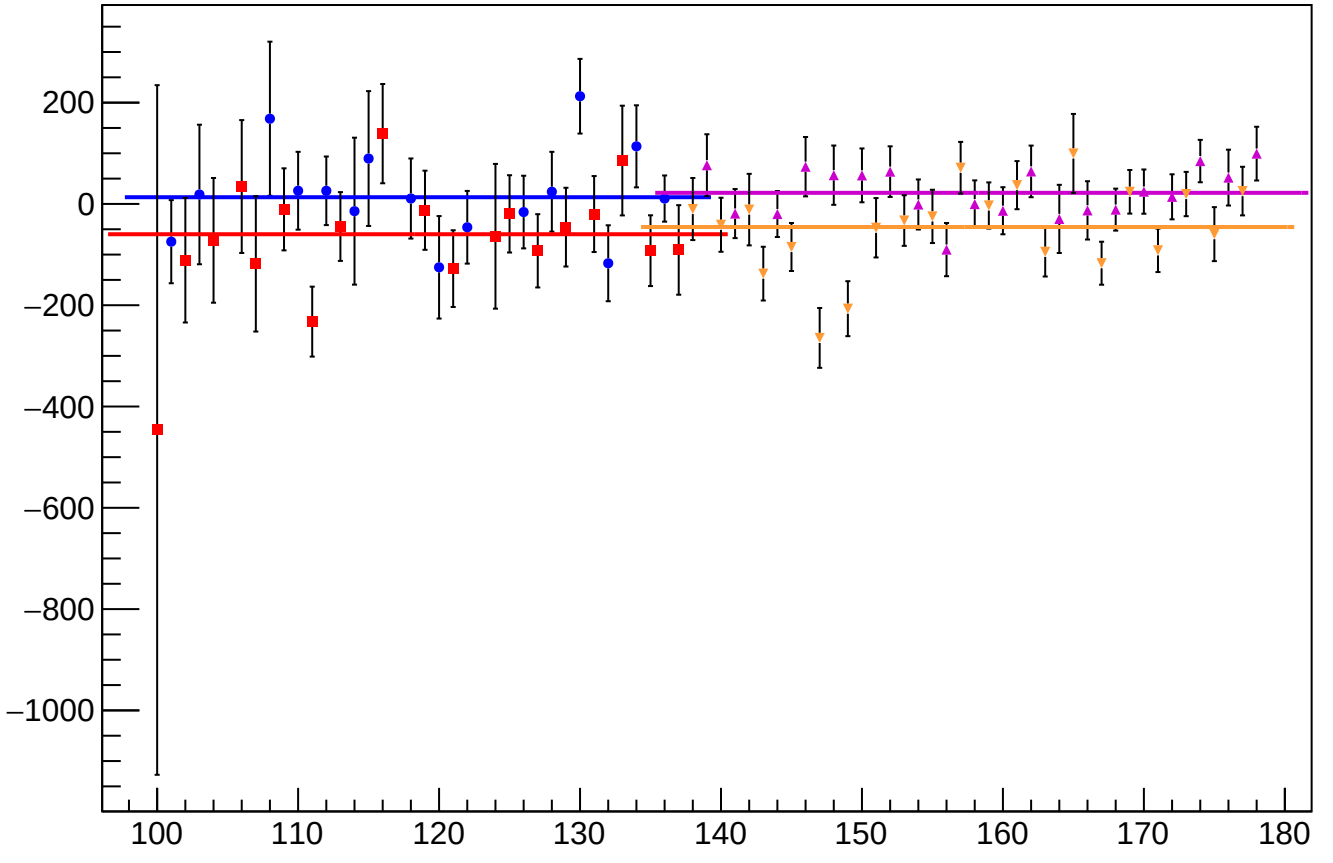
Left In: 307.680+/-0.055 χ^2/NDF:1123498.6/19

+ sign 333.642+/-0.050 χ^2/NDF: 3662835.2/36

All: 333.098+/-0.036 χ^2/NDF: 7092188.1/75

- sign 332.558+/-0.050 χ^2/NDF: 3429120.5/38

eigen_dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -45.562+/-11.086 χ^2/NDF:51.8/20

Right Out: -59.811+/-20.234 χ^2/NDF: 16.1/18

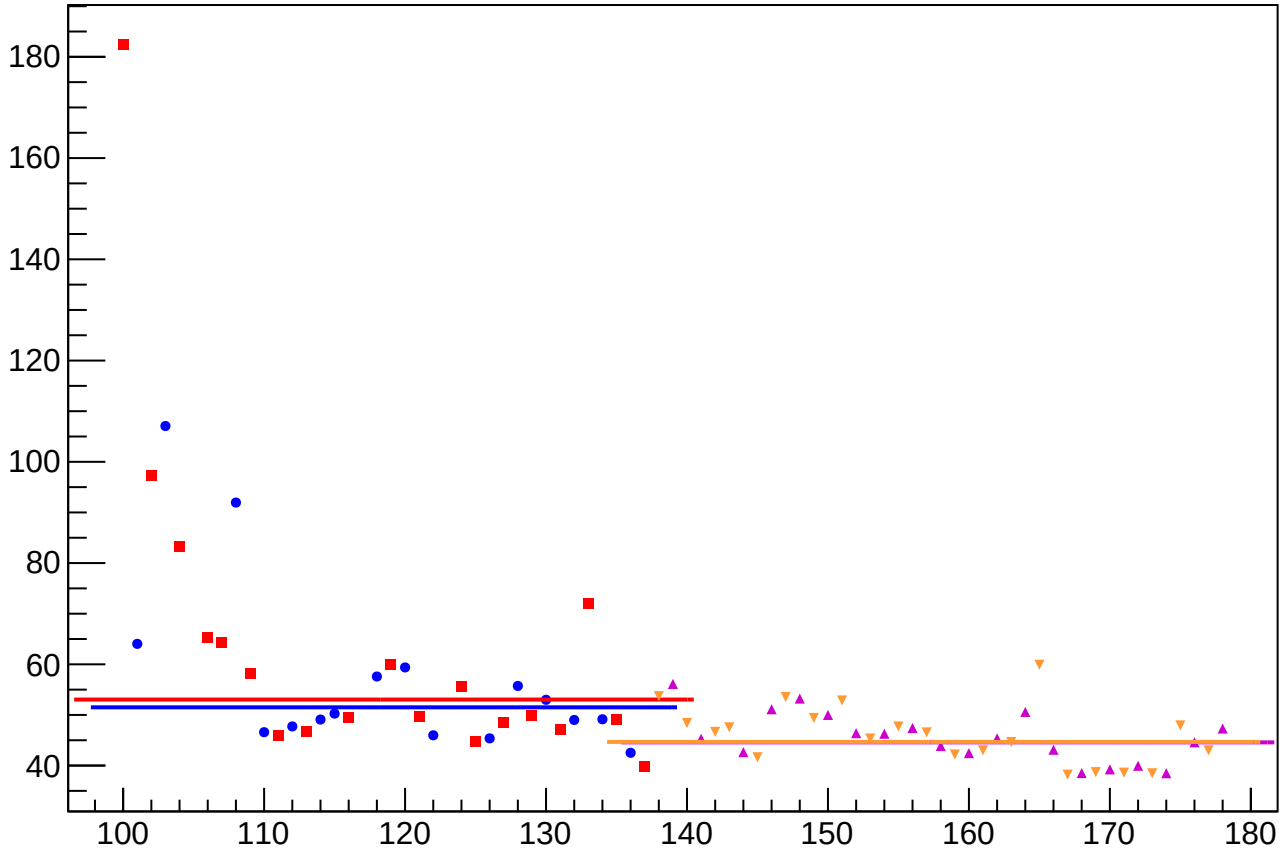
Left In: 21.942+/-11.193 χ^2/NDF:17.2/19

+ sign -31.575+/-9.679 χ^2/NDF: 75.7/36

All: -14.597+/-6.884 χ^2/NDF: 127.7/75

- sign 2.788+/-9.794 χ^2/NDF: 45.8/38

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 44.675+/-0.008 χ^2/NDF:437331.0/20

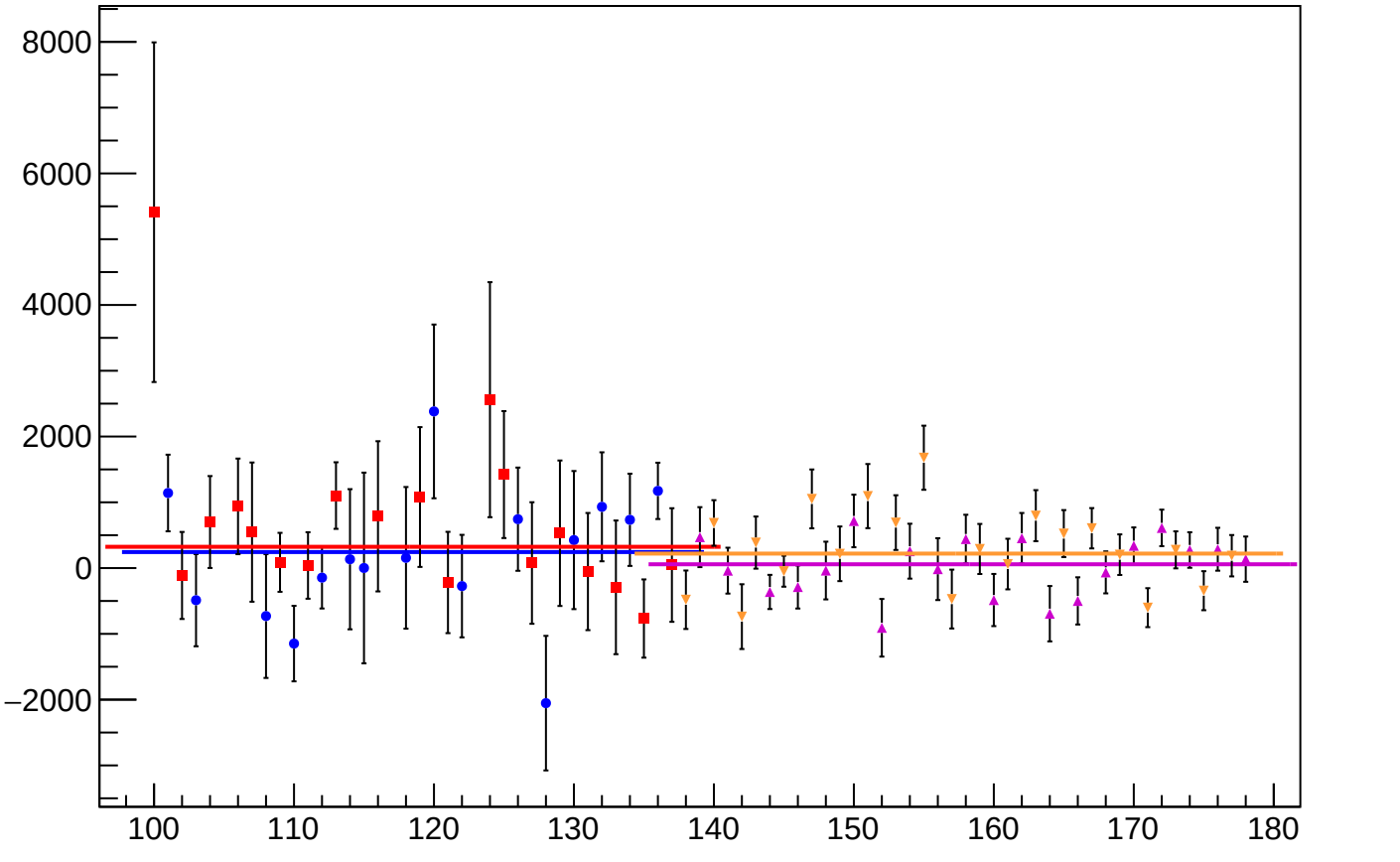
Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 44.581+/-0.008 χ^2/NDF:340008.3/19

+ sign 46.299+/-0.007 χ^2/NDF: 1284933.1/36

All: 46.429+/-0.005 χ^2/NDF: 2606058.3/75

- sign 46.563+/-0.007 χ^2/NDF: 1320392.1/38



Right In: 243.826+/-180.872 χ^2/NDF: 25.6/15

Left Out: 220.253+/-77.480 χ^2/NDF:44.9/20

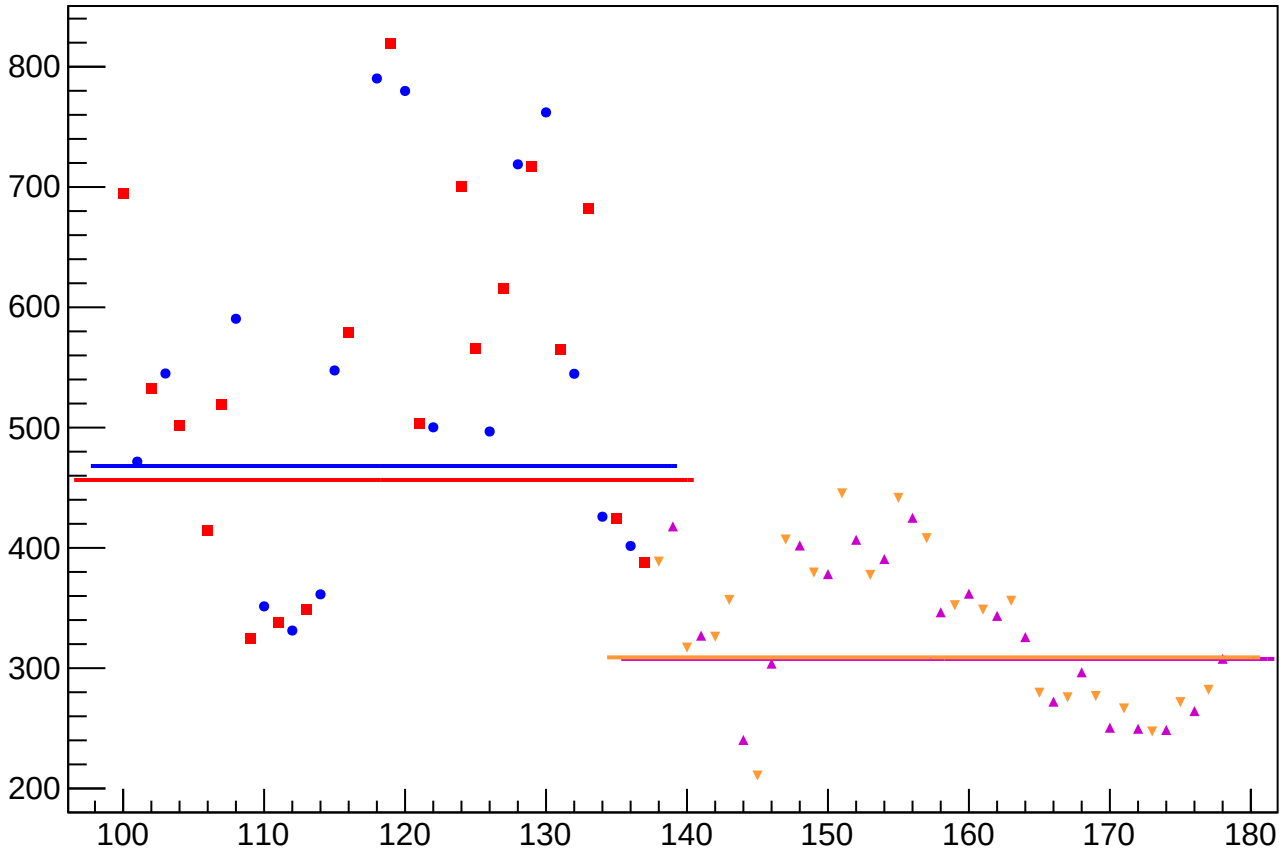
Right Out: 323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: 57.893+/-77.800 χ^2/NDF:28.5/19

+ sign 223.908+/-71.220 χ^2/NDF: 70.5/36

All: 162.927+/-50.282 χ^2/NDF: 118.9/75

- sign 102.325+/-70.999 χ^2/NDF: 46.9/38



Right In: 468.065+/-0.128 χ^2/NDF: 982915.8/15

Left Out: 308.976+/-0.055 χ^2/NDF:1372522.1/20

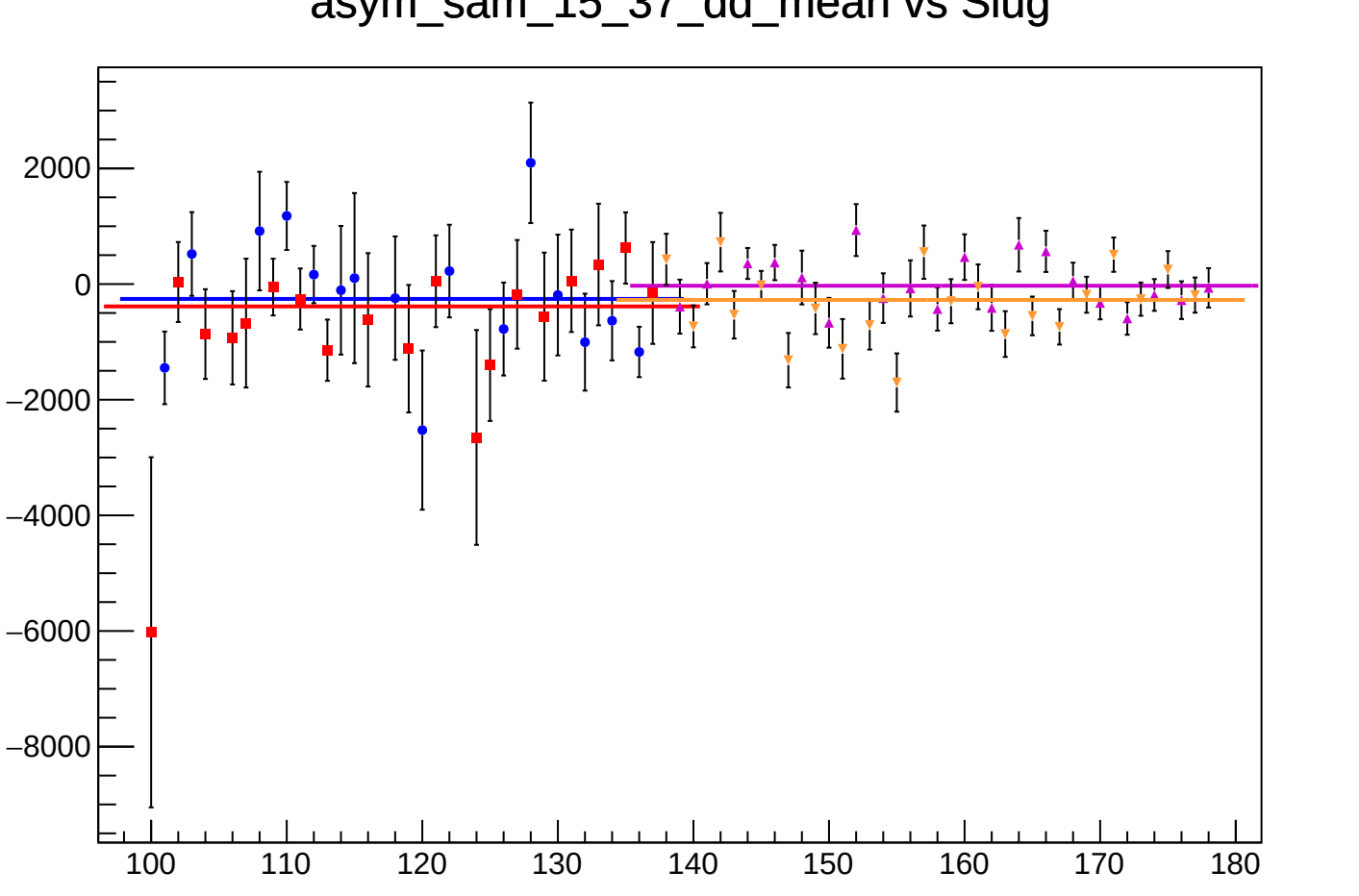
Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

Left In: 307.681+/-0.055 χ^2/NDF:1123491.9/19

+ sign 333.642+/-0.050 χ^2/NDF: 3662819.1/36

All: 333.099+/-0.036 χ^2/NDF: 7092145.8/75

- sign 332.558+/-0.050 χ^2/NDF: 3429094.4/38



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -274.187+/-78.997 χ^2/NDF:44.8/20

Right Out: -386.449+/-182.363 χ^2/NDF: 14.2/18

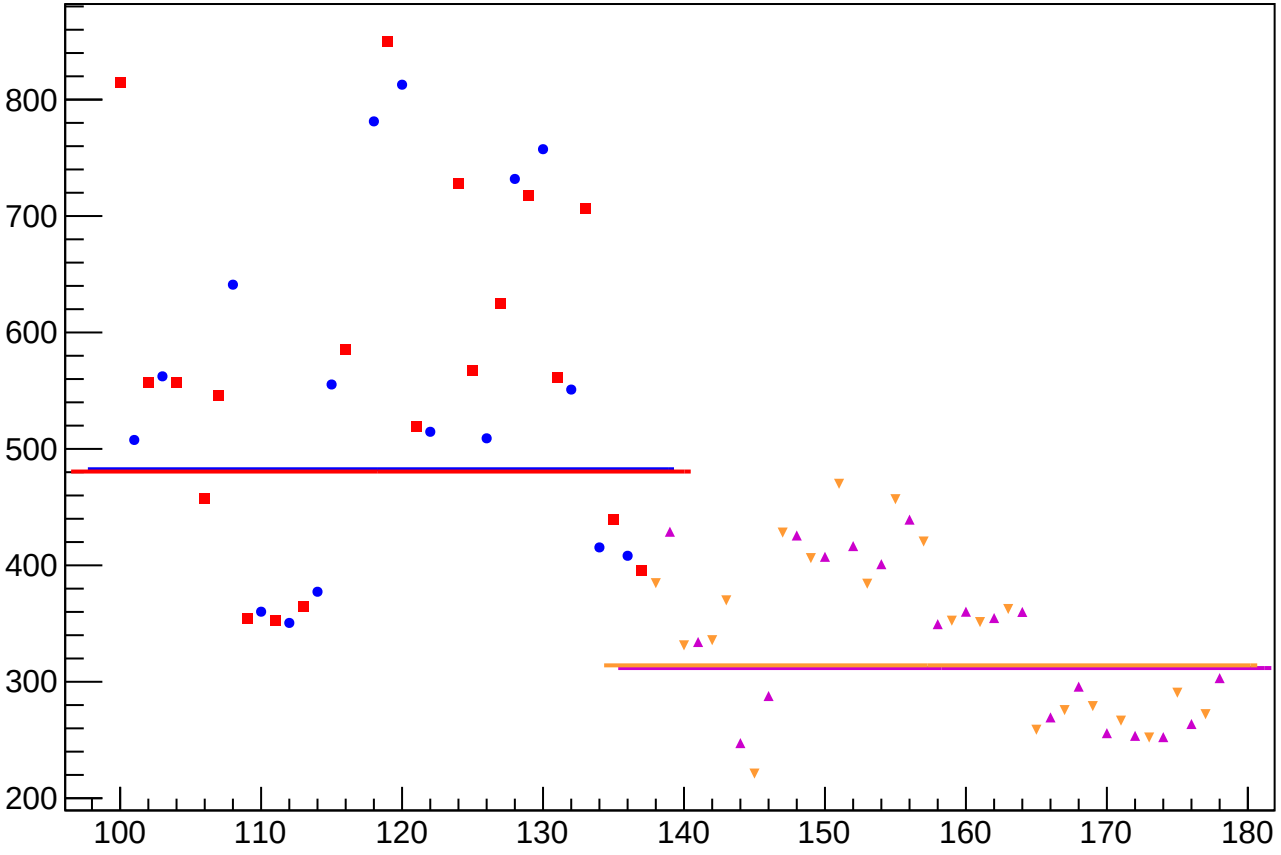
Left In: -29.183+/-78.981 χ^2/NDF:26.5/19

+ sign -271.533+/-72.738 χ^2/NDF: 71.8/36

All: -178.236+/-51.341 χ^2/NDF: 119.0/75

- sign -85.612+/-72.476 χ^2/NDF: 43.9/38

asym_sam_15_37_dd_rms vs Slug



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 314.104+/-0.056 χ^2/NDF:1456221.0/20

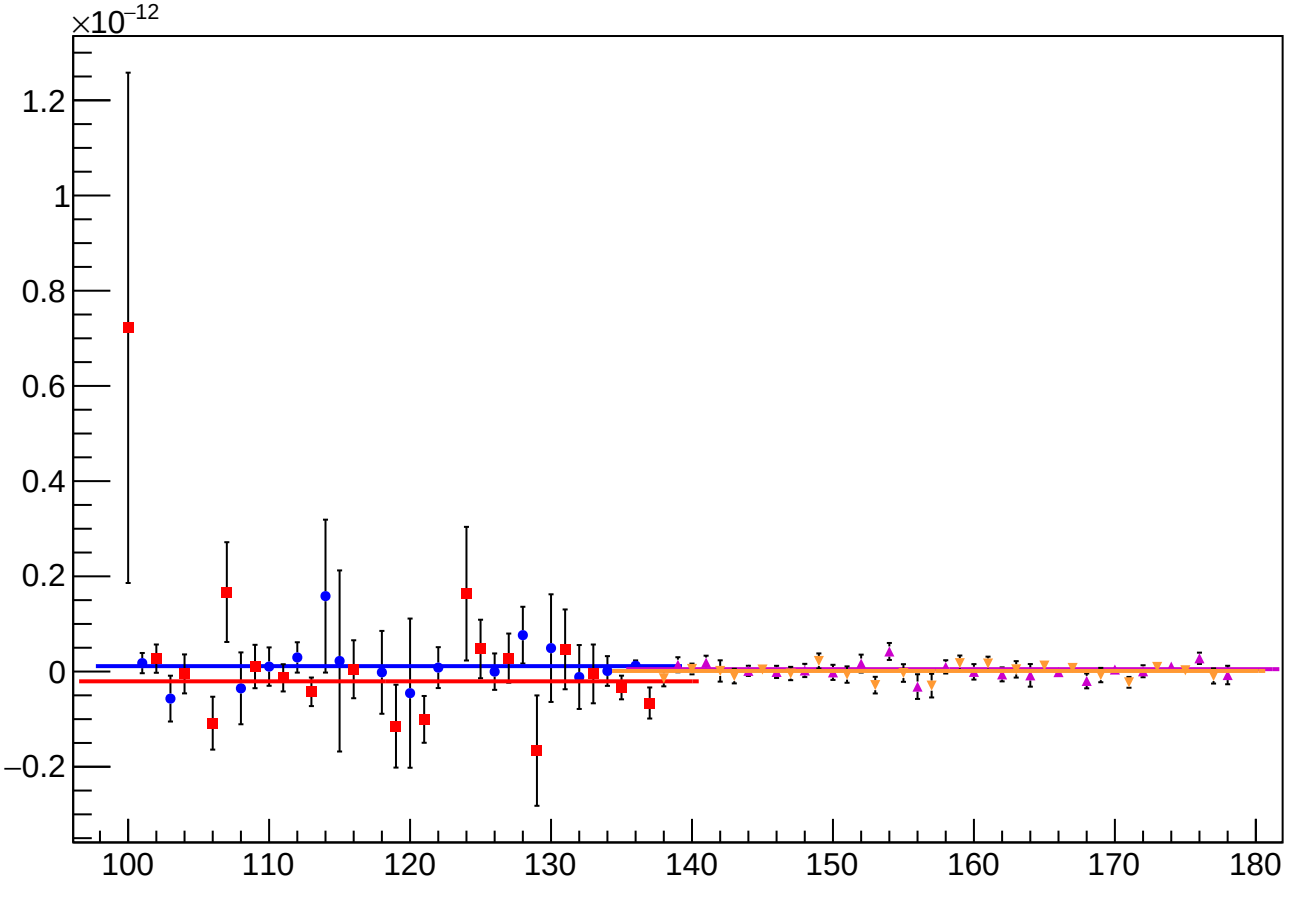
Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 311.791+/-0.056 χ^2/NDF:1242548.7/19

+ sign 339.731+/-0.051 χ^2/NDF: 3785948.6/36

All: 339.087+/-0.036 χ^2/NDF: 7464981.4/75

- sign 338.447+/-0.051 χ^2/NDF: 3678720.1/38



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.8/20

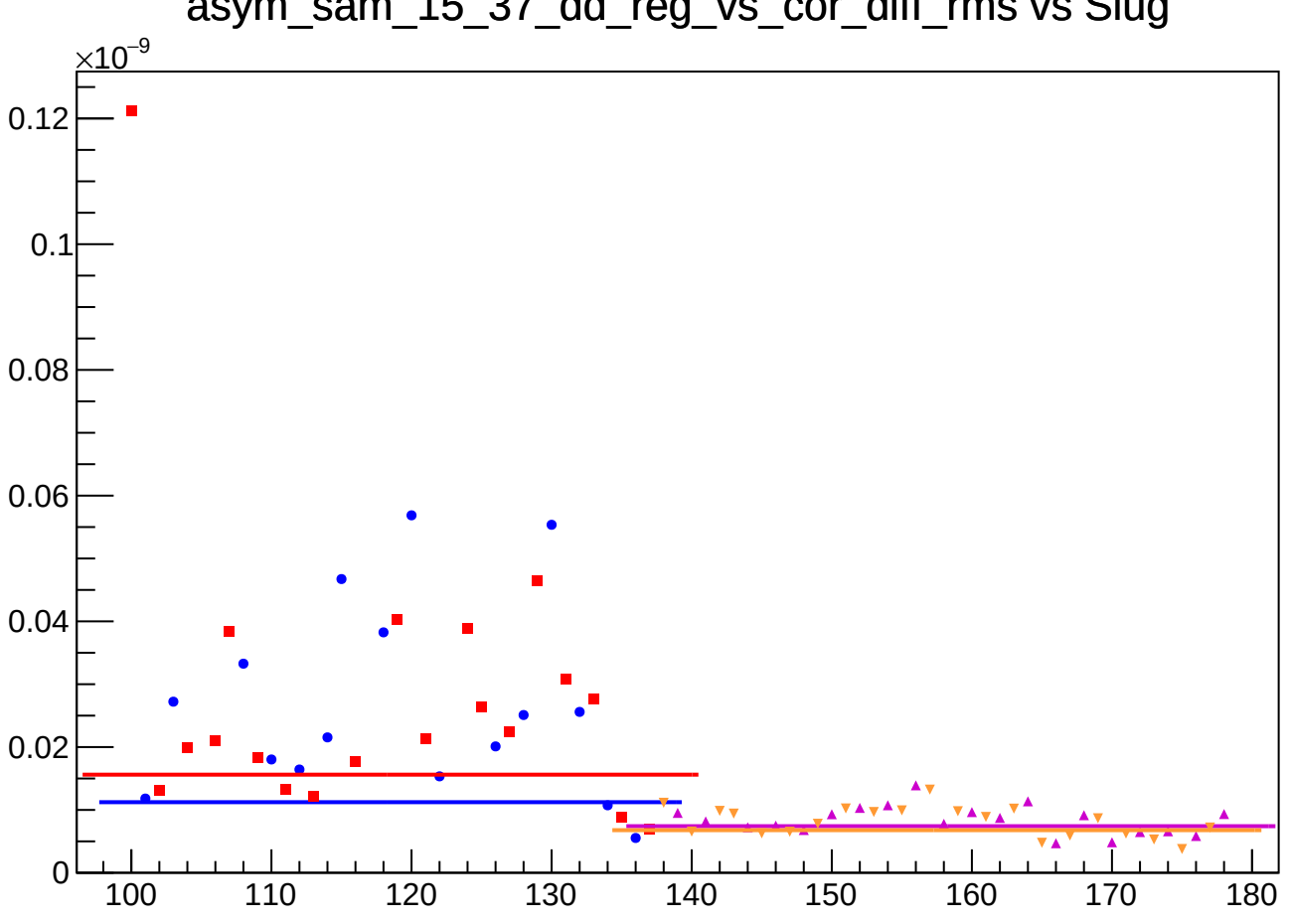
Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/18

Left In: 0.000+/-0.000 χ^2/NDF:16.9/19

+ sign 0.000+/-0.000 χ^2/NDF: 24.7/36

All: 0.000+/-0.000 χ^2/NDF: 71.0/75

- sign 0.000+/-0.000 χ^2/NDF: 46.3/38



Right In: 0.000+/-0.000 χ^2/NDF: 2103068.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1328497.0/20

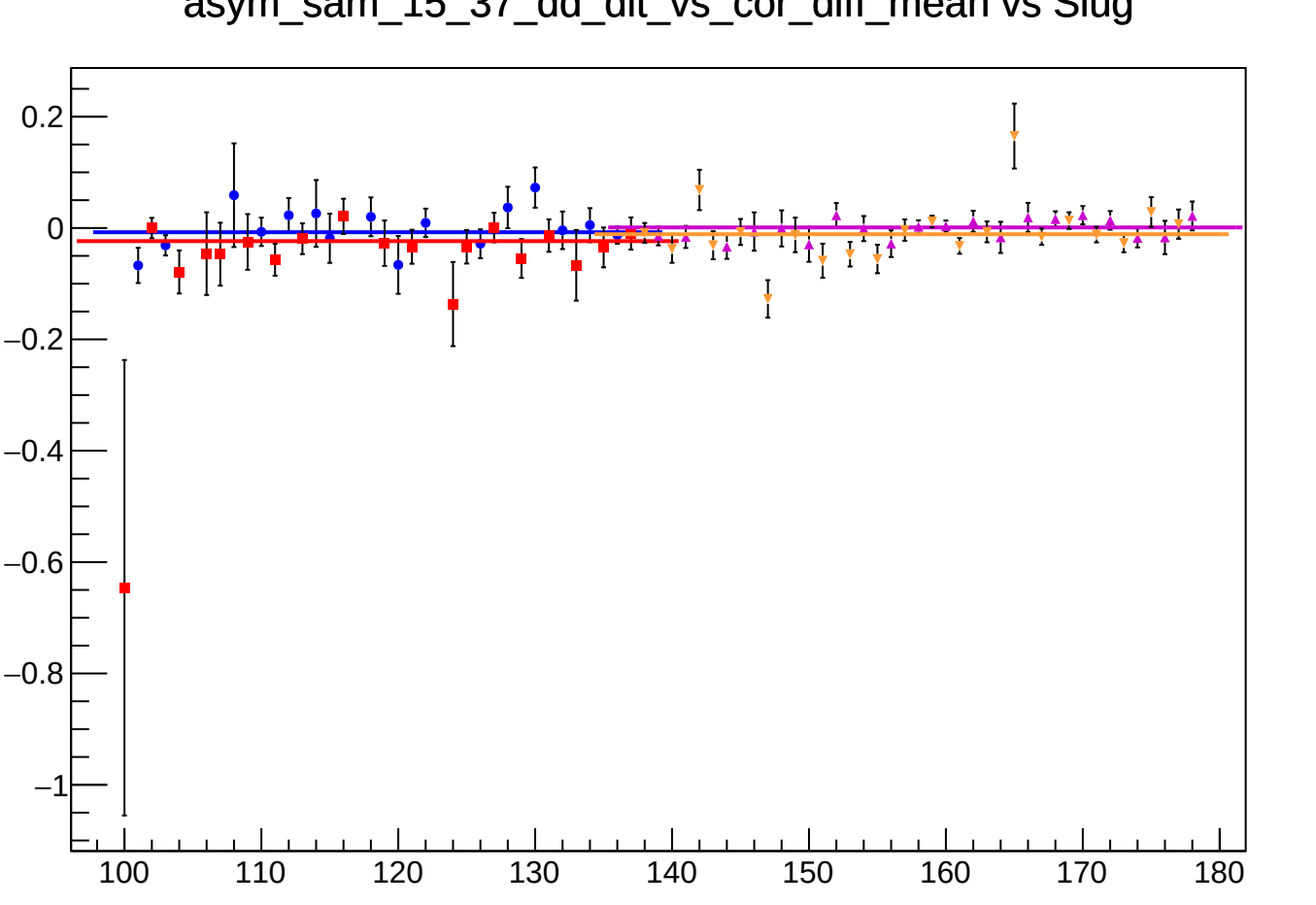
Right Out: 0.000+/-0.000 χ^2/NDF: 1184320.2/18

Left In: 0.000+/-0.000 χ^2/NDF:823557.4/19

+ sign 0.000+/-0.000 χ^2/NDF: 3984360.3/36

All: 0.000+/-0.000 χ^2/NDF: 7250968.7/75

- sign 0.000+/-0.000 χ^2/NDF: 3179843.9/38



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.011+/-0.004 χ^2/NDF:49.4/20

Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

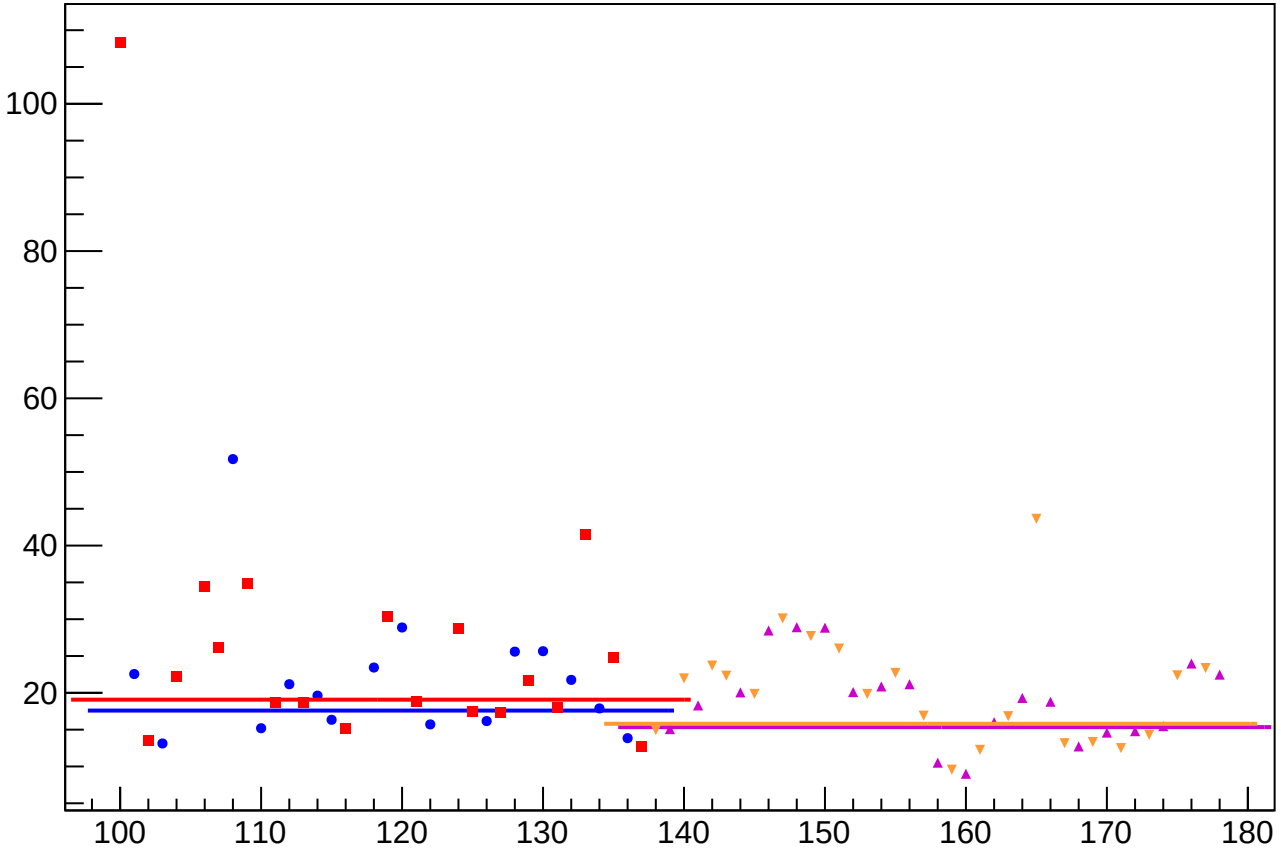
Left In: 0.001+/-0.004 χ^2/NDF:14.6/19

+ sign -0.010+/-0.004 χ^2/NDF: 66.3/36

All: -0.007+/-0.003 χ^2/NDF: 104.6/75

- sign -0.004+/-0.004 χ^2/NDF: 37.1/38

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: 15.797+/-0.003 χ^2/NDF:3348164.4/20

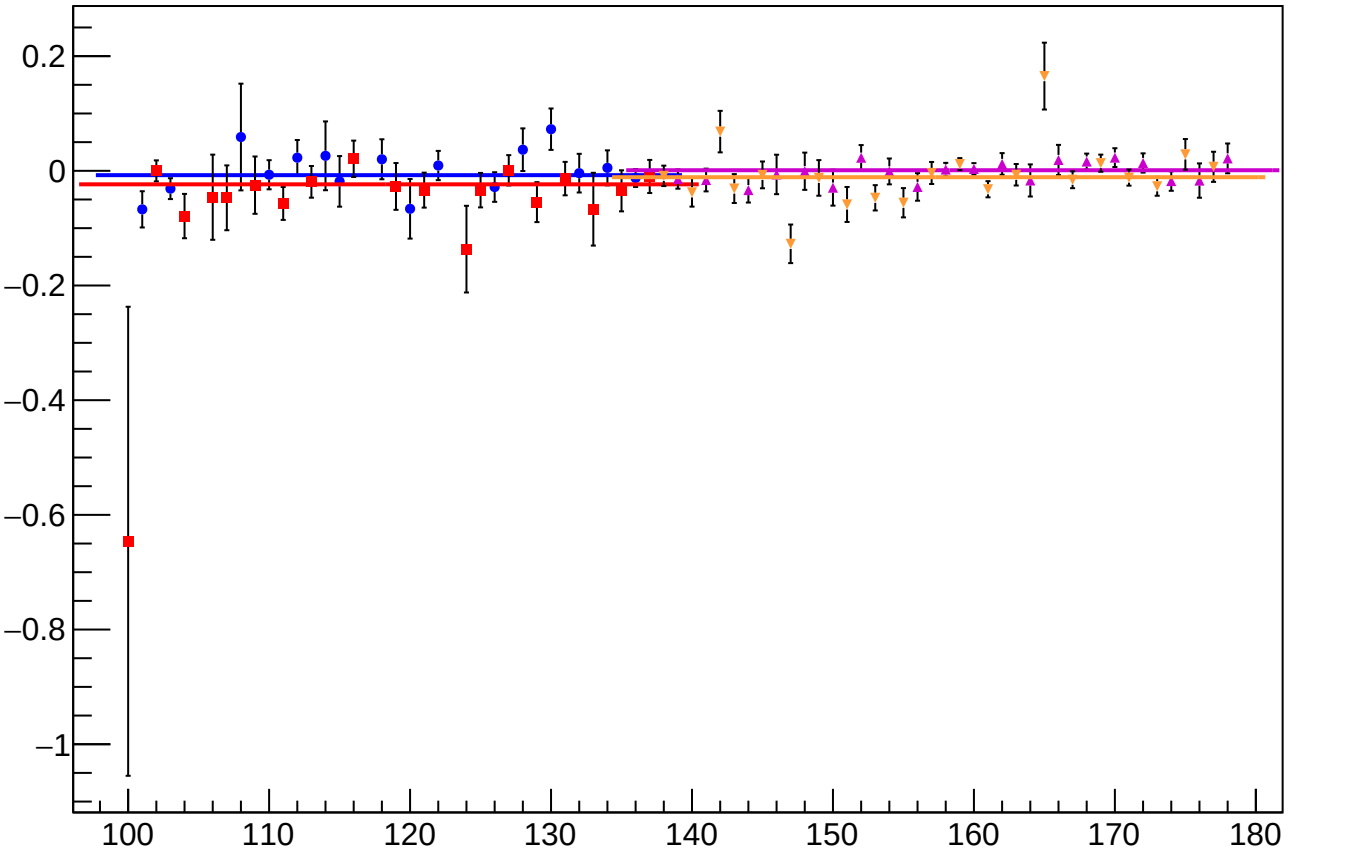
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 15.345+/-0.003 χ^2/NDF:3099854.4/19

+ sign 16.255+/-0.003 χ^2/NDF: 4433908.6/36

All: 16.215+/-0.002 χ^2/NDF: 9142552.9/75

- sign 16.174+/-0.003 χ^2/NDF: 4708147.1/38



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.011+/-0.004 χ^2/NDF:49.4/20

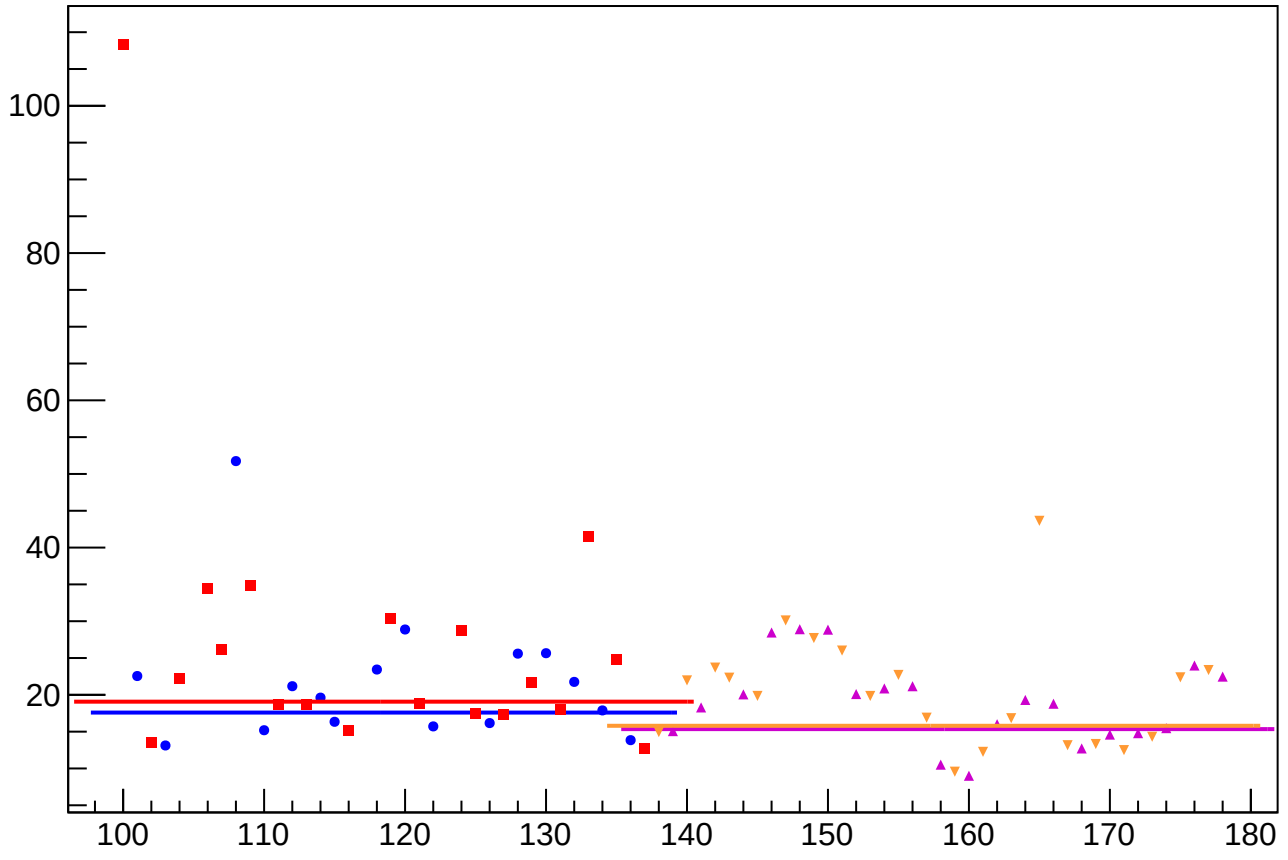
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.001+/-0.004 χ^2/NDF:14.6/19

+ sign -0.010+/-0.004 χ^2/NDF: 66.3/36

All: -0.007+/-0.003 χ^2/NDF: 104.6/75

- sign -0.004+/-0.004 χ^2/NDF: 37.1/38



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 15.797+/-0.003 χ^2/NDF:3348164.4/20

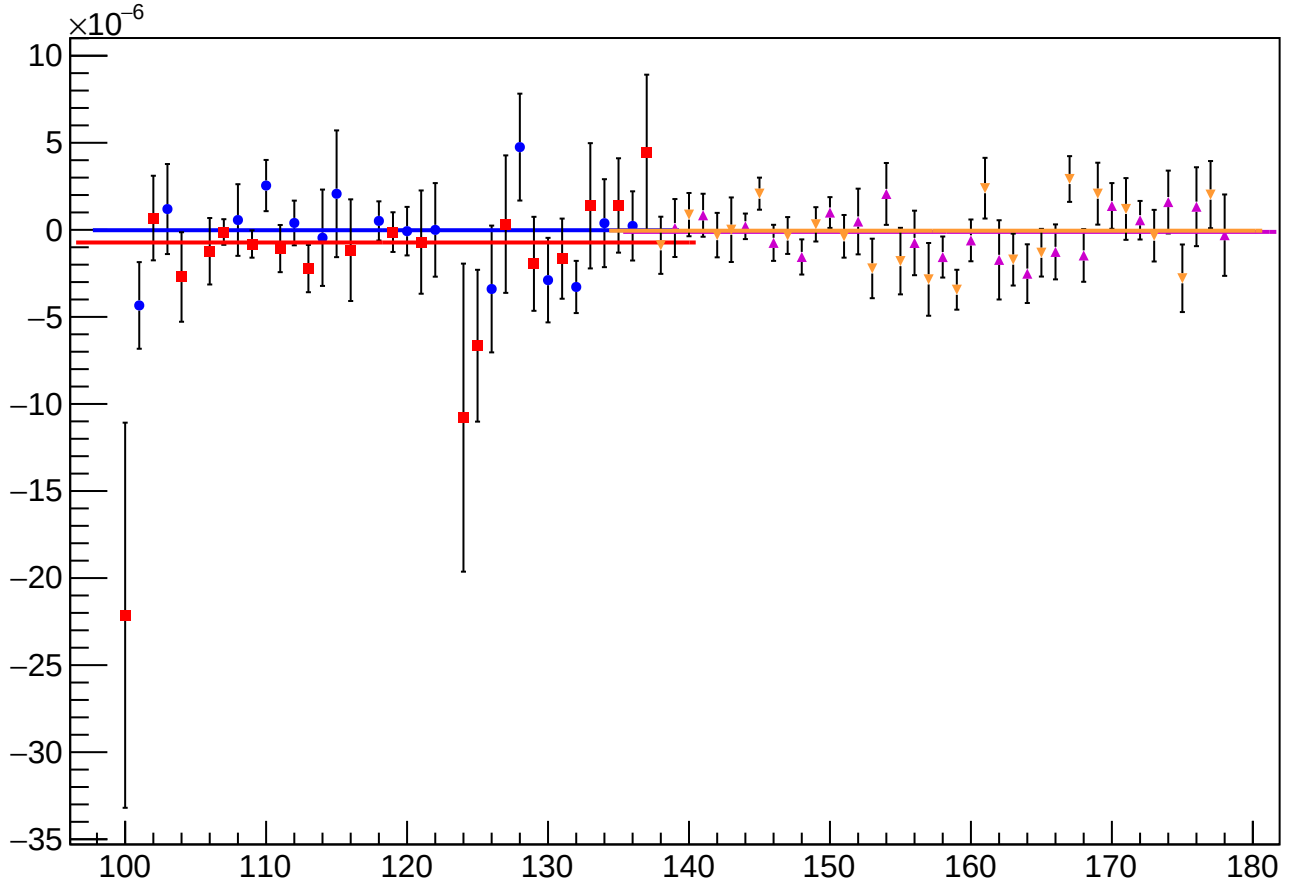
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 15.345+/-0.003 χ^2/NDF:3099854.4/19

+ sign 16.255+/-0.003 χ^2/NDF: 4433908.6/36

All: 16.215+/-0.002 χ^2/NDF: 9142552.9/75

- sign 16.174+/-0.003 χ^2/NDF: 4708147.1/38



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.7/20

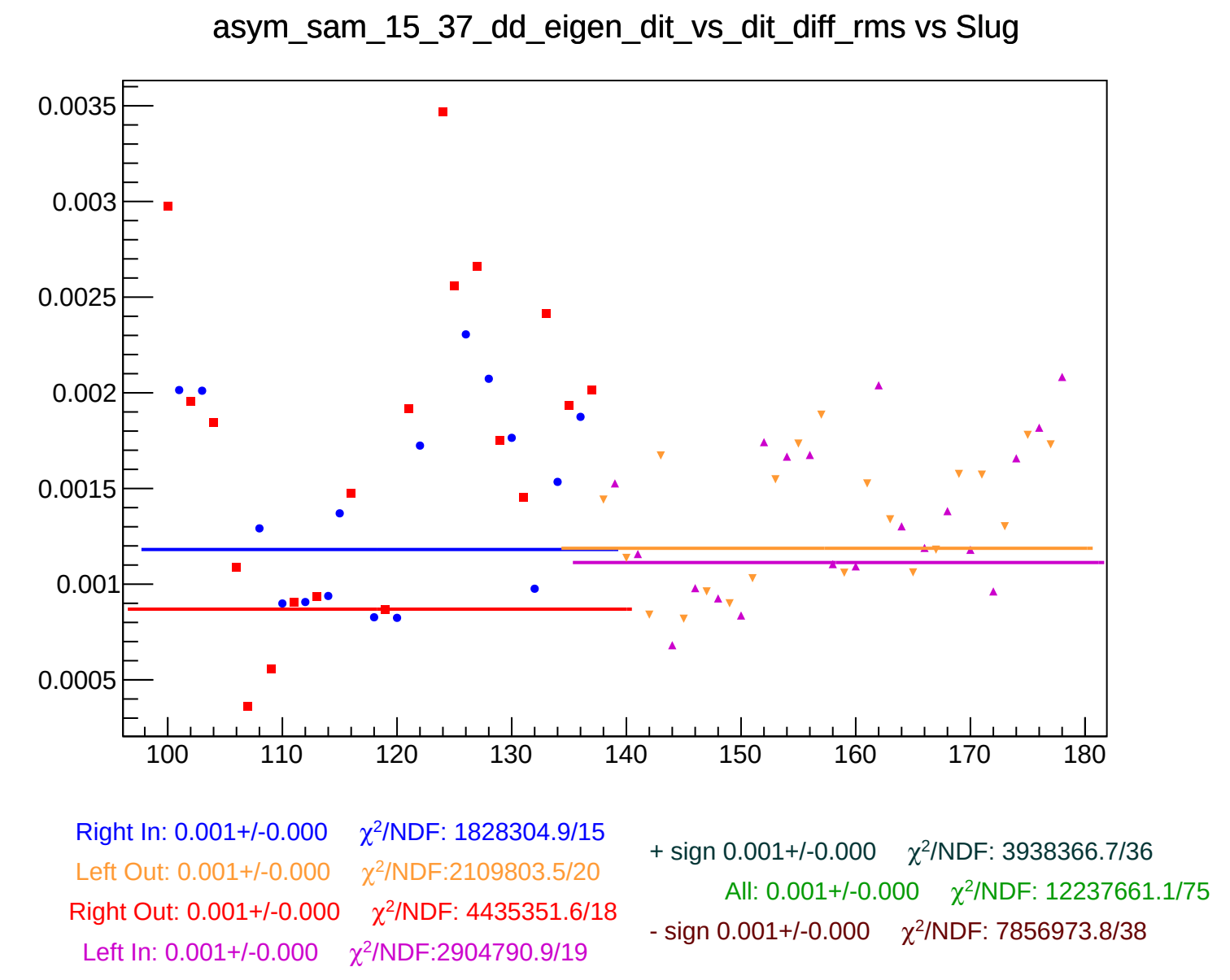
Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

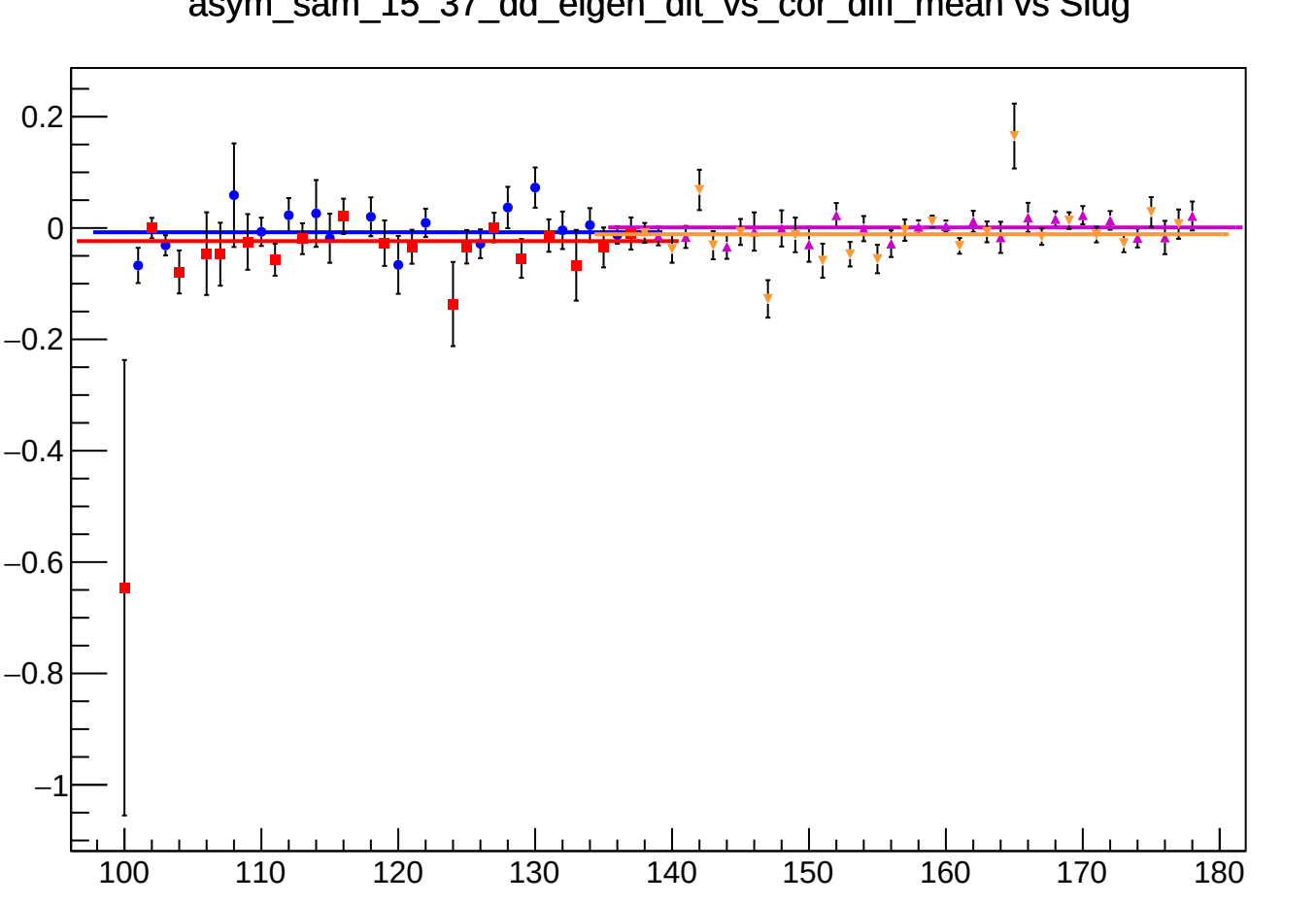
Left In: -0.000+/-0.000 χ^2/NDF:15.0/19

+ sign -0.000+/-0.000 χ^2/NDF: 50.2/36

All: -0.000+/-0.000 χ^2/NDF: 80.4/75

- sign -0.000+/-0.000 χ^2/NDF: 29.5/38


asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 1828304.9/15
Left Out: 0.001+/-0.000 χ²/NDF:2109803.5/20
Right Out: 0.001+/-0.000 χ²/NDF: 4435351.6/18
Left In: 0.001+/-0.000 χ²/NDF:2904790.9/19
+ sign 0.001+/-0.000 χ²/NDF: 3938366.7/36
All: 0.001+/-0.000 χ²/NDF: 12237661.1/75
- sign 0.001+/-0.000 χ²/NDF: 7856973.8/38



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.011+/-0.004 χ^2/NDF:49.4/20

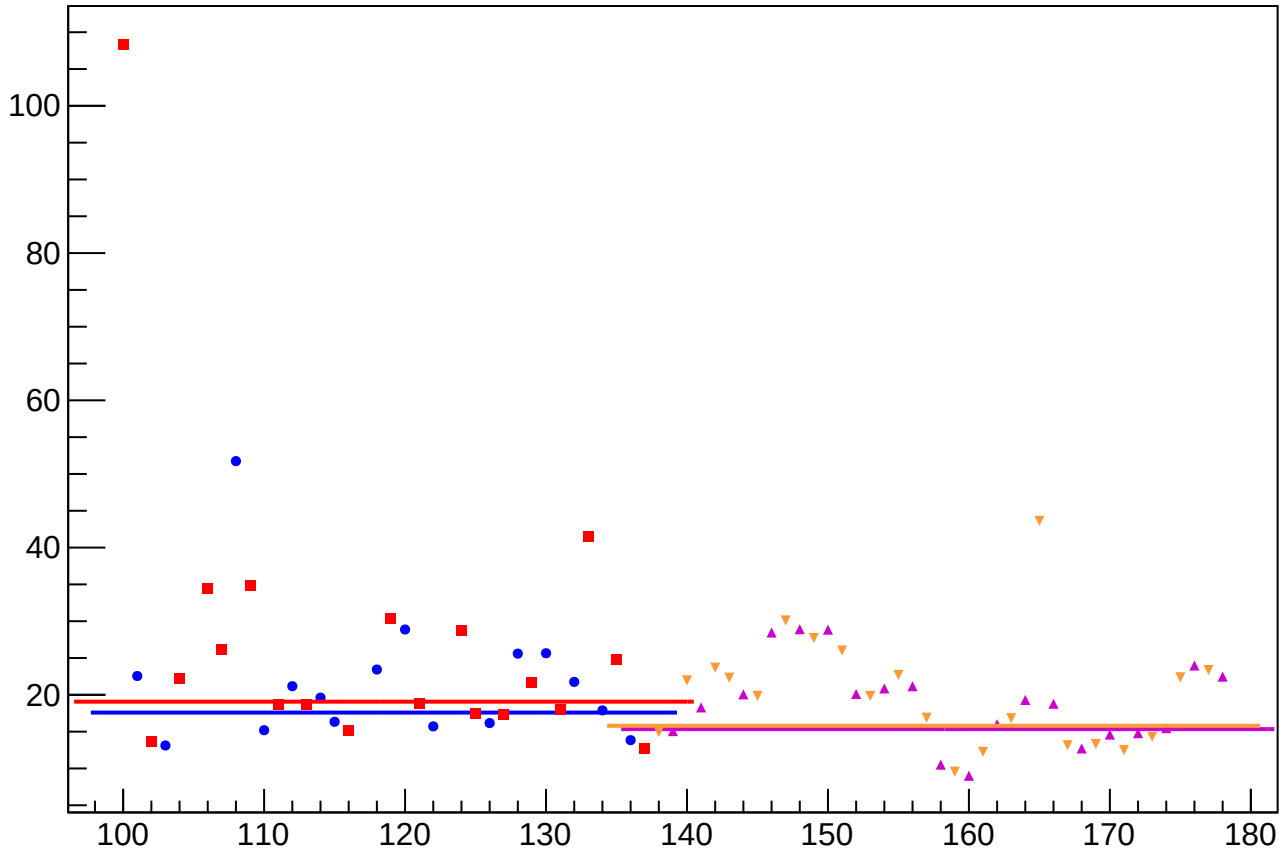
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.001+/-0.004 χ^2/NDF:14.6/19

+ sign -0.010+/-0.004 χ^2/NDF: 66.3/36

All: -0.007+/-0.003 χ^2/NDF: 104.6/75

- sign -0.004+/-0.004 χ^2/NDF: 37.1/38



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 15.796+/-0.003 χ^2/NDF:3348415.3/20

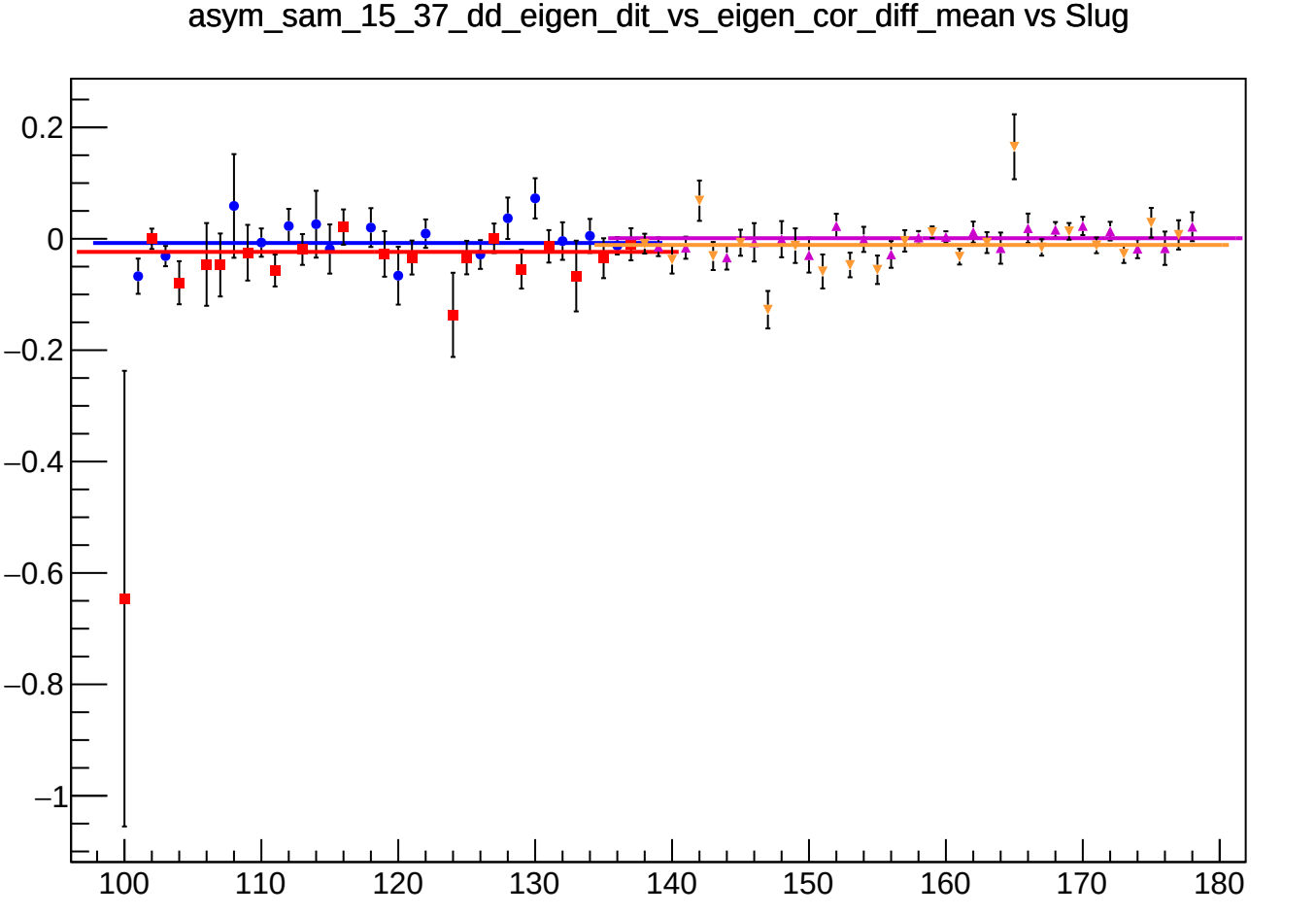
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 15.344+/-0.003 χ^2/NDF:3100174.4/19

+ sign 16.255+/-0.003 χ^2/NDF: 4434225.0/36

All: 16.215+/-0.002 χ^2/NDF: 9143224.5/75

- sign 16.174+/-0.003 χ^2/NDF: 4708502.0/38



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.011+/-0.004 χ^2/NDF:49.4/20

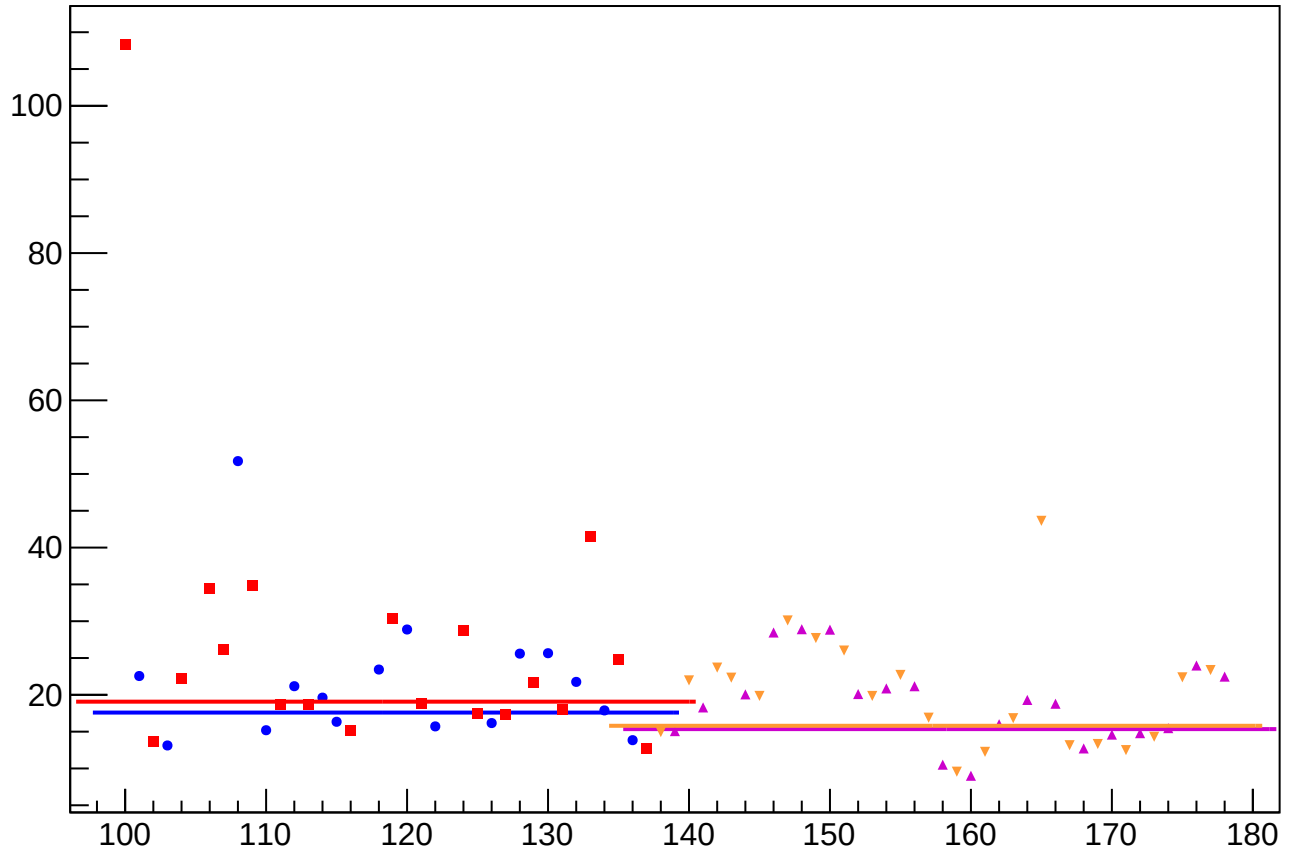
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.001+/-0.004 χ^2/NDF:14.6/19

+ sign -0.010+/-0.004 χ^2/NDF: 66.3/36

All: -0.007+/-0.003 χ^2/NDF: 104.6/75

- sign -0.004+/-0.004 χ^2/NDF: 37.1/38



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 15.796+/-0.003 χ^2/NDF:3348415.3/20

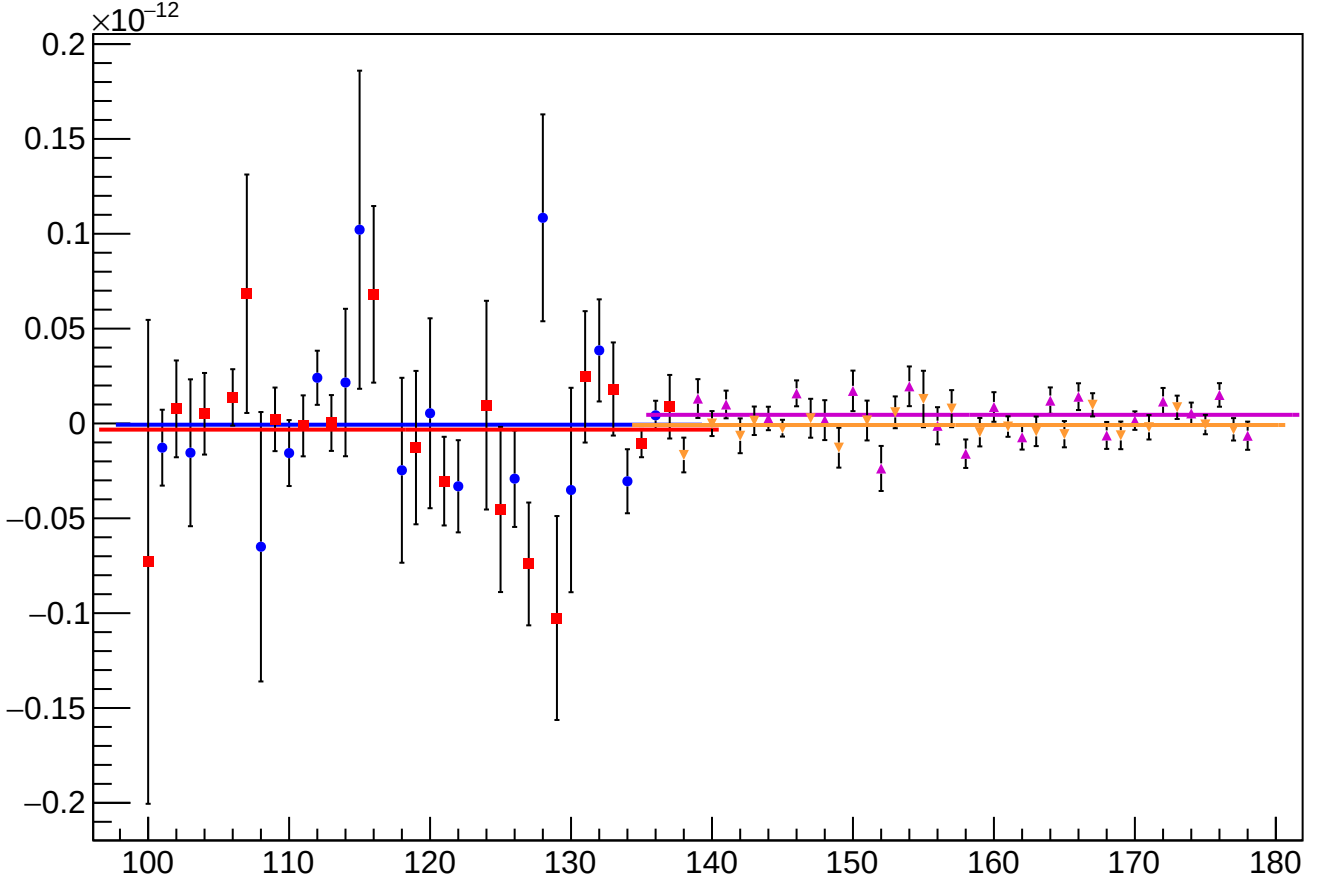
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 15.344+/-0.003 χ^2/NDF:3100174.4/19

+ sign 16.255+/-0.003 χ^2/NDF: 4434225.0/36

All: 16.215+/-0.002 χ^2/NDF: 9143224.5/75

- sign 16.174+/-0.003 χ^2/NDF: 4708502.0/38



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.4/20

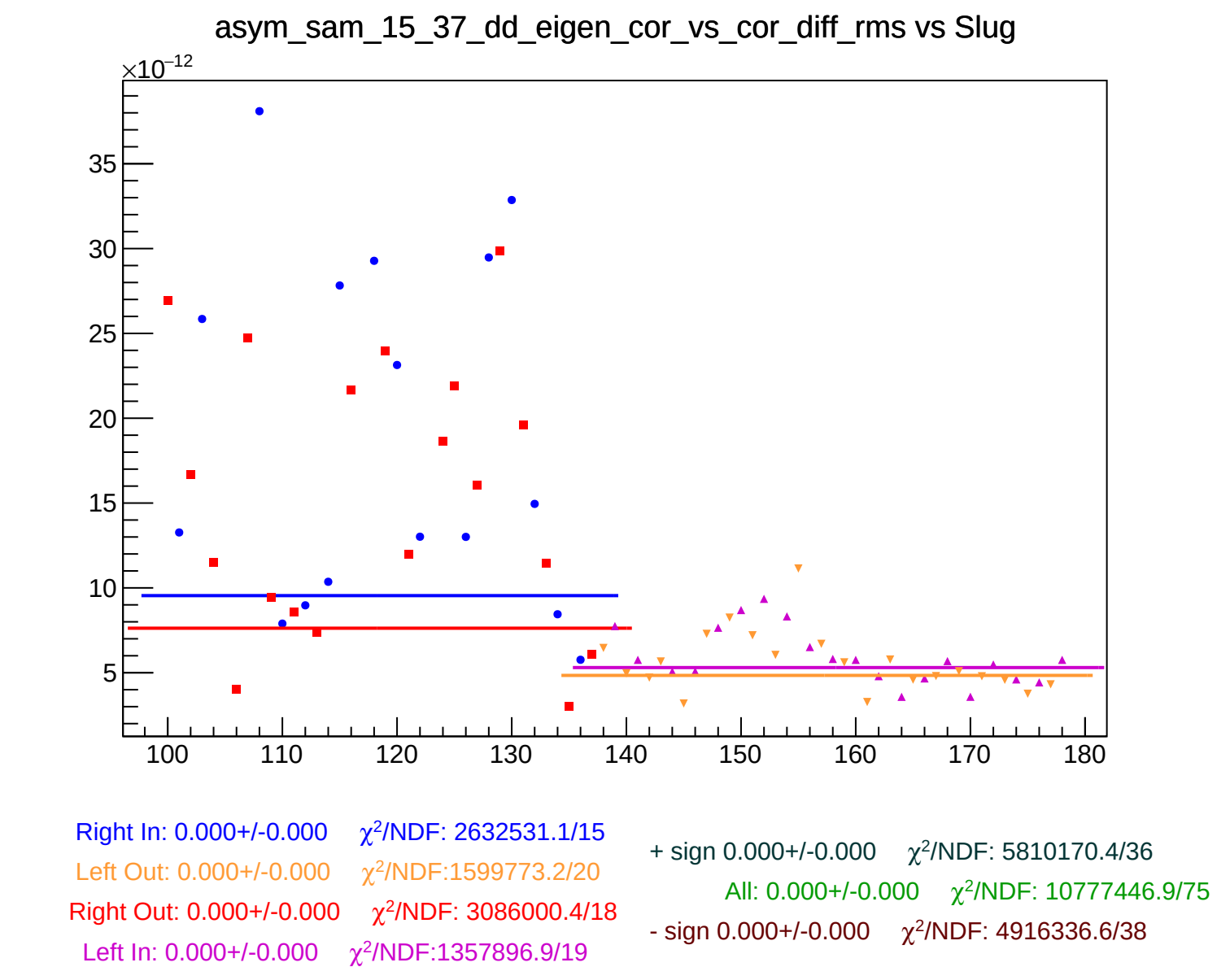
Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:36.5/19

+ sign -0.000+/-0.000 χ^2/NDF: 34.6/36

All: 0.000+/-0.000 χ^2/NDF: 97.3/75

- sign 0.000+/-0.000 χ^2/NDF: 58.3/38


asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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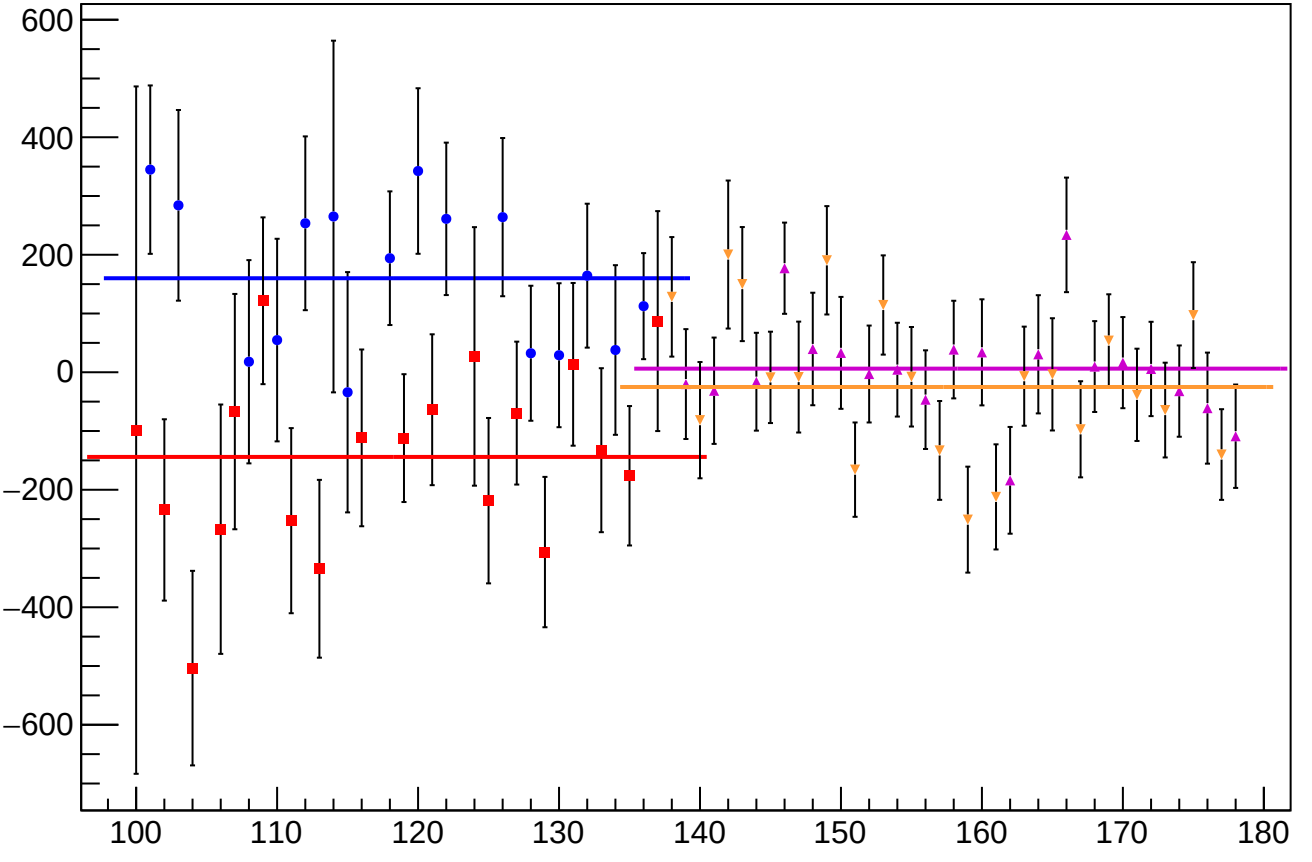
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2632531.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1599773.2/20
Right Out: 0.000+/-0.000 χ²/NDF: 3086000.4/18
Left In: 0.000+/-0.000 χ²/NDF:1357896.9/19
+ sign 0.000+/-0.000 χ²/NDF: 5810170.4/36
All: 0.000+/-0.000 χ²/NDF: 10777446.9/75
- sign 0.000+/-0.000 χ²/NDF: 4916336.6/38

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: -25.086+/-19.055 χ^2/NDF:38.9/20

Right Out: -144.117+/-34.213 χ^2/NDF: 17.4/18

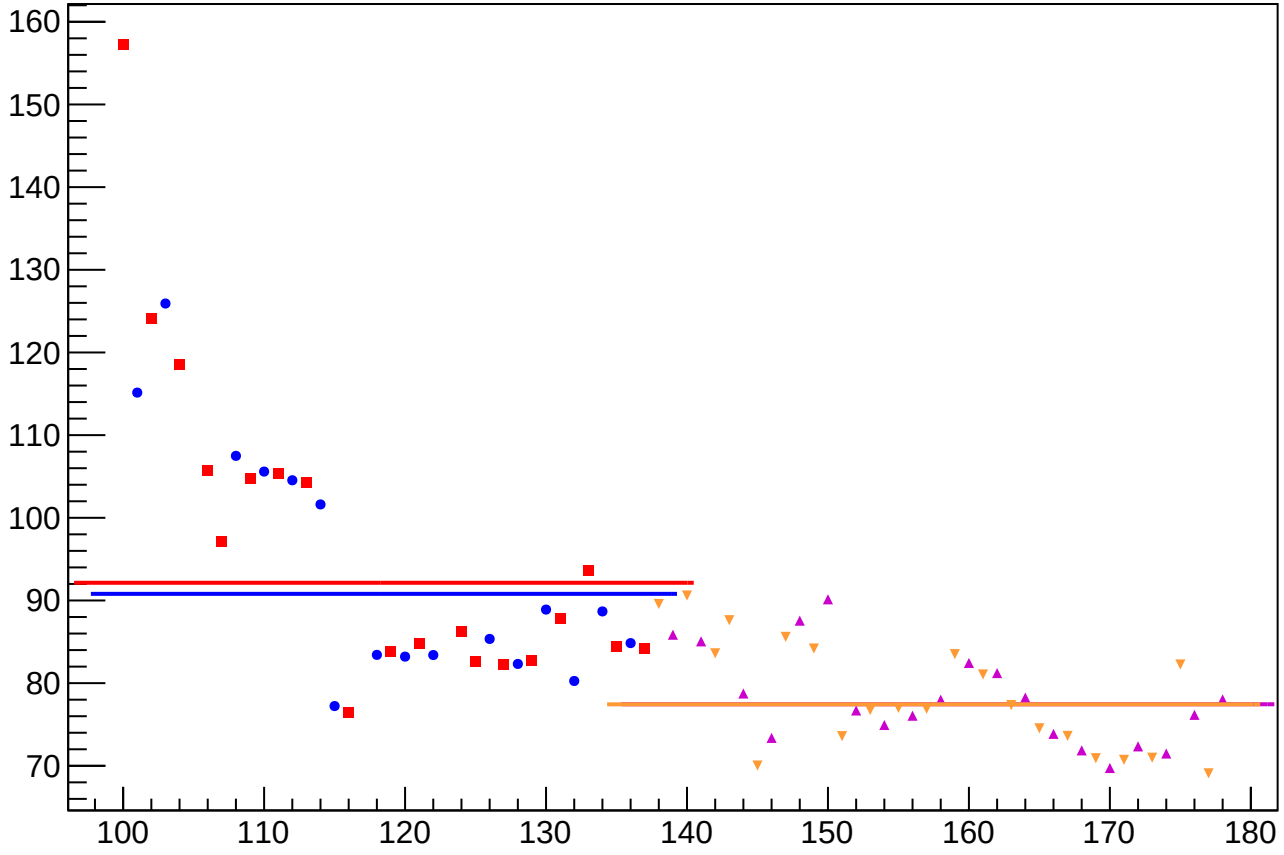
Left In: 6.149+/-19.245 χ^2/NDF:18.4/19

+ sign 18.824+/-16.642 χ^2/NDF: 72.4/36

All: -5.380+/-11.814 χ^2/NDF: 127.1/75

- sign -29.969+/-16.774 χ^2/NDF: 50.4/38

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272755.2/15

Left Out: 77.439+/-0.013 χ^2/NDF:228039.4/20

Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

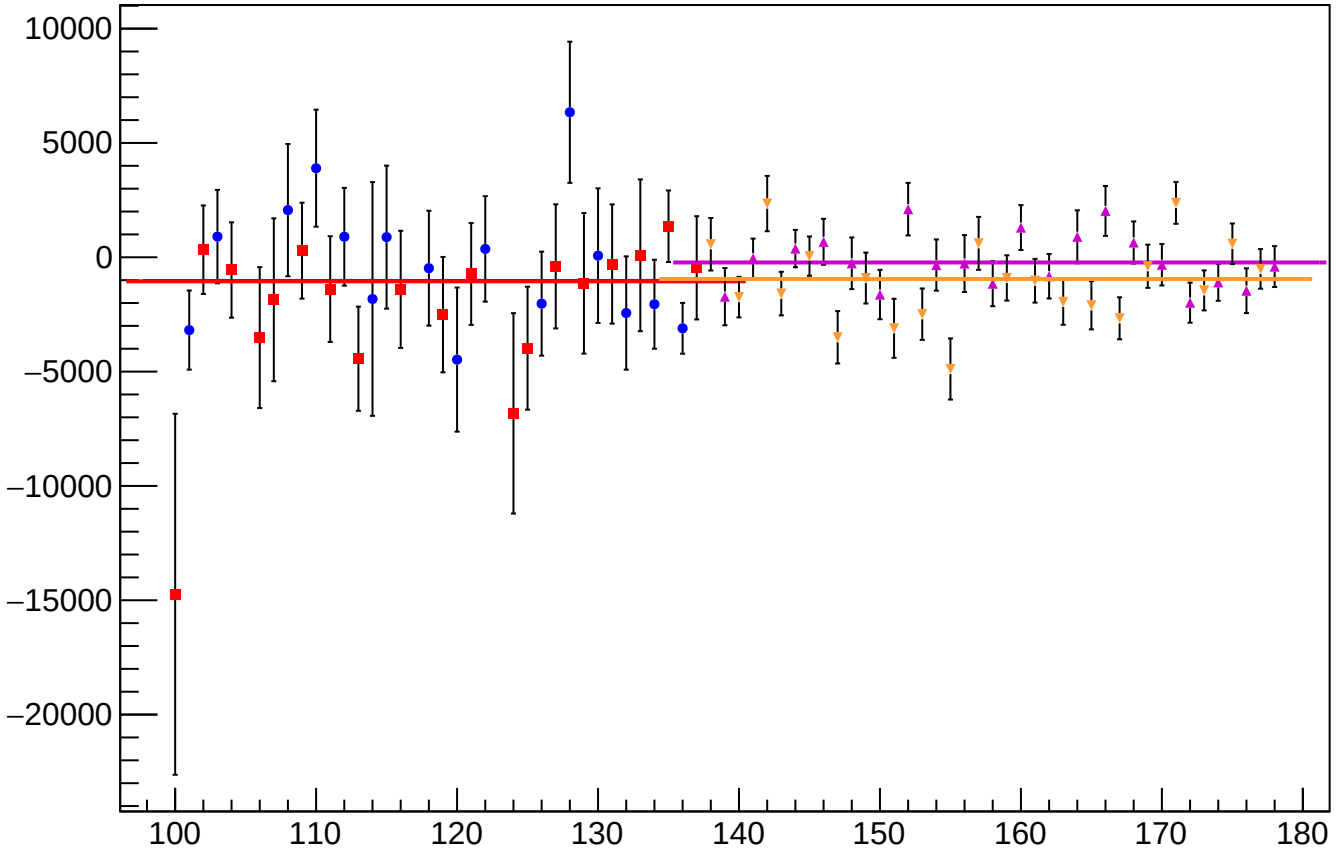
Left In: 77.447+/-0.014 χ^2/NDF:159763.4/19

+ sign 80.609+/-0.012 χ^2/NDF: 734105.4/36

All: 80.792+/-0.008 χ^2/NDF: 1476649.0/75

- sign 80.979+/-0.012 χ^2/NDF: 742054.0/38

asym_sam_24_68_dd_reg_correction_mean vs Slug



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -950.906+/-218.916 χ^2/NDF:54.8/20

Right Out: -1051.517+/-568.935 χ^2/NDF: 12.9/18

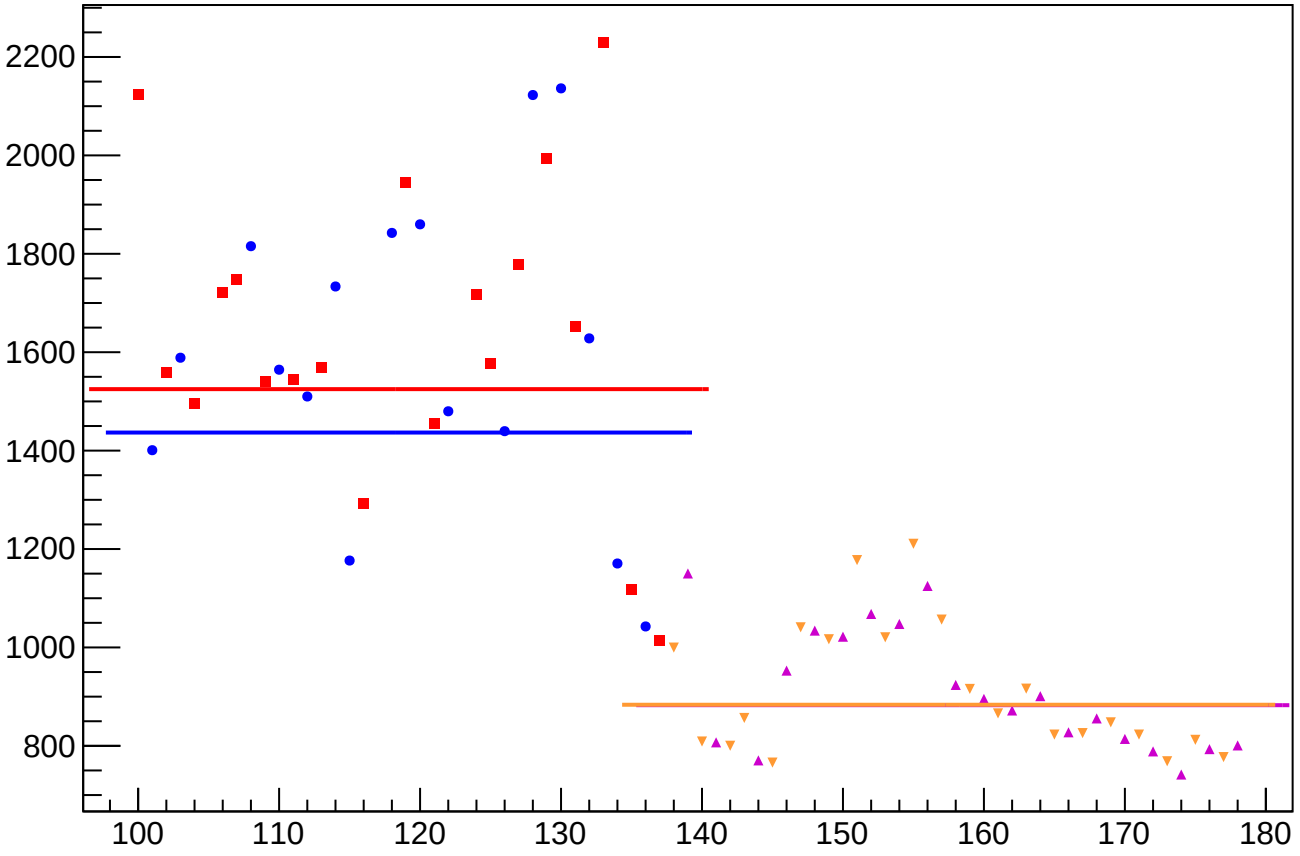
Left In: -226.998+/-220.627 χ^2/NDF:25.2/19

+ sign -962.404+/-203.407 χ^2/NDF: 75.1/36

All: -652.113+/-144.635 χ^2/NDF: 119.7/75

- sign -334.781+/-205.702 χ^2/NDF: 40.0/38

asym_sam_24_68_dd_reg_correction_rms vs Slug



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 883.537+/-0.155 χ^2/NDF:555974.7/20

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

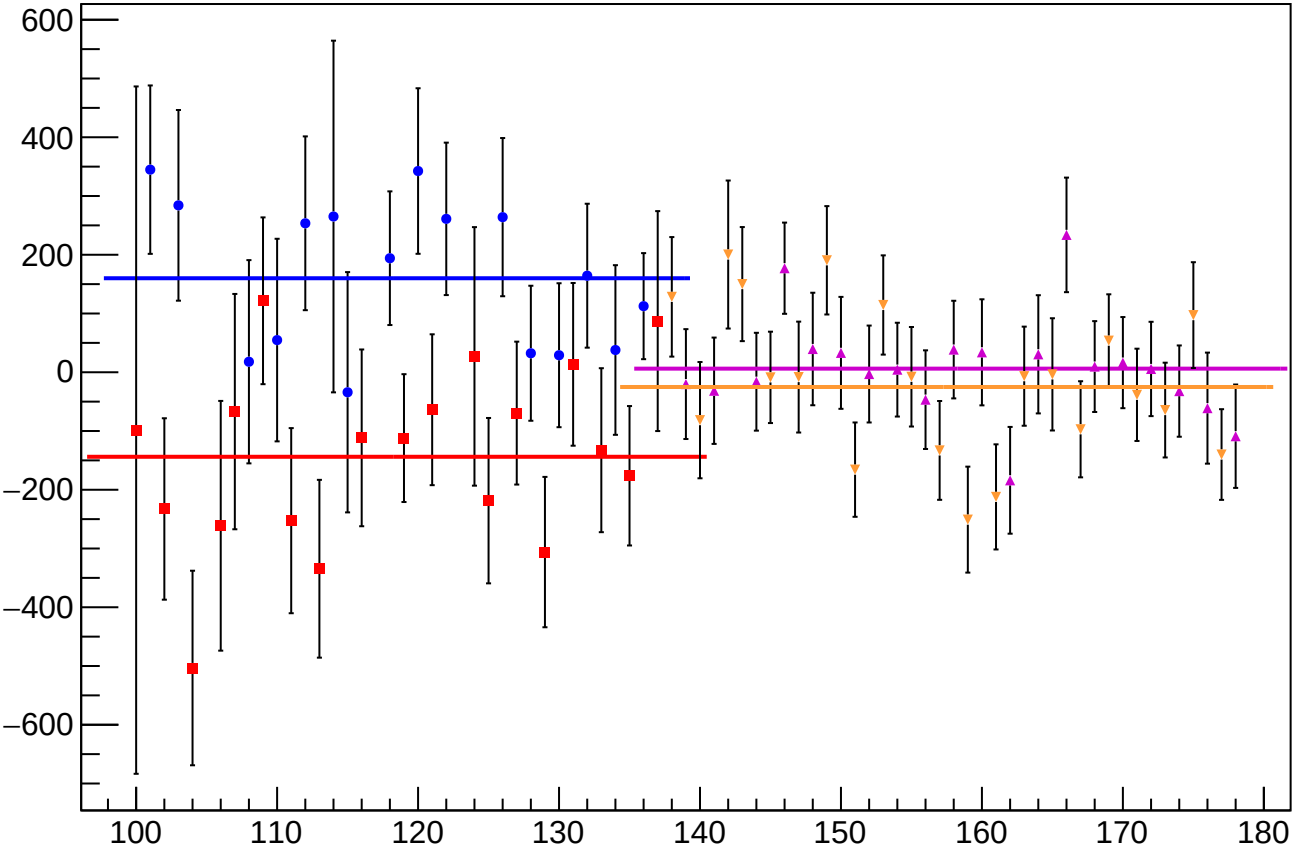
Left In: 882.635+/-0.156 χ^2/NDF:534894.2/19

+ sign 959.143+/-0.144 χ^2/NDF: 2977124.7/36

All: 962.830+/-0.102 χ^2/NDF: 6233897.0/75

- sign 966.601+/-0.145 χ^2/NDF: 3255443.1/38

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -25.084+/-19.055 χ^2/NDF:38.9/20

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

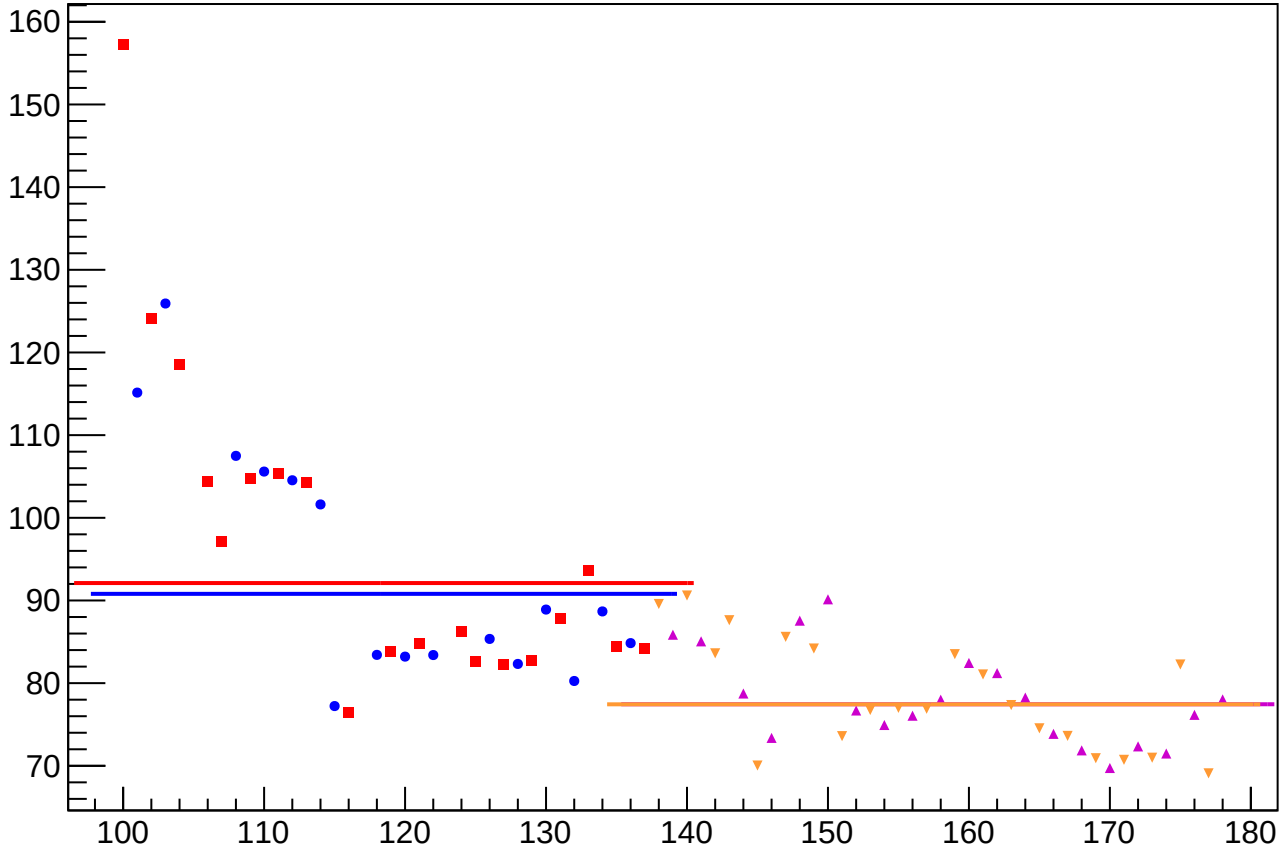
Left In: 6.152+/-19.245 χ^2/NDF:18.4/19

+ sign 18.825+/-16.642 χ^2/NDF: 72.4/36

All: -5.346+/-11.814 χ^2/NDF: 127.0/75

- sign -29.902+/-16.774 χ^2/NDF: 50.3/38

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 77.439+/-0.013 χ^2/NDF:228039.4/20

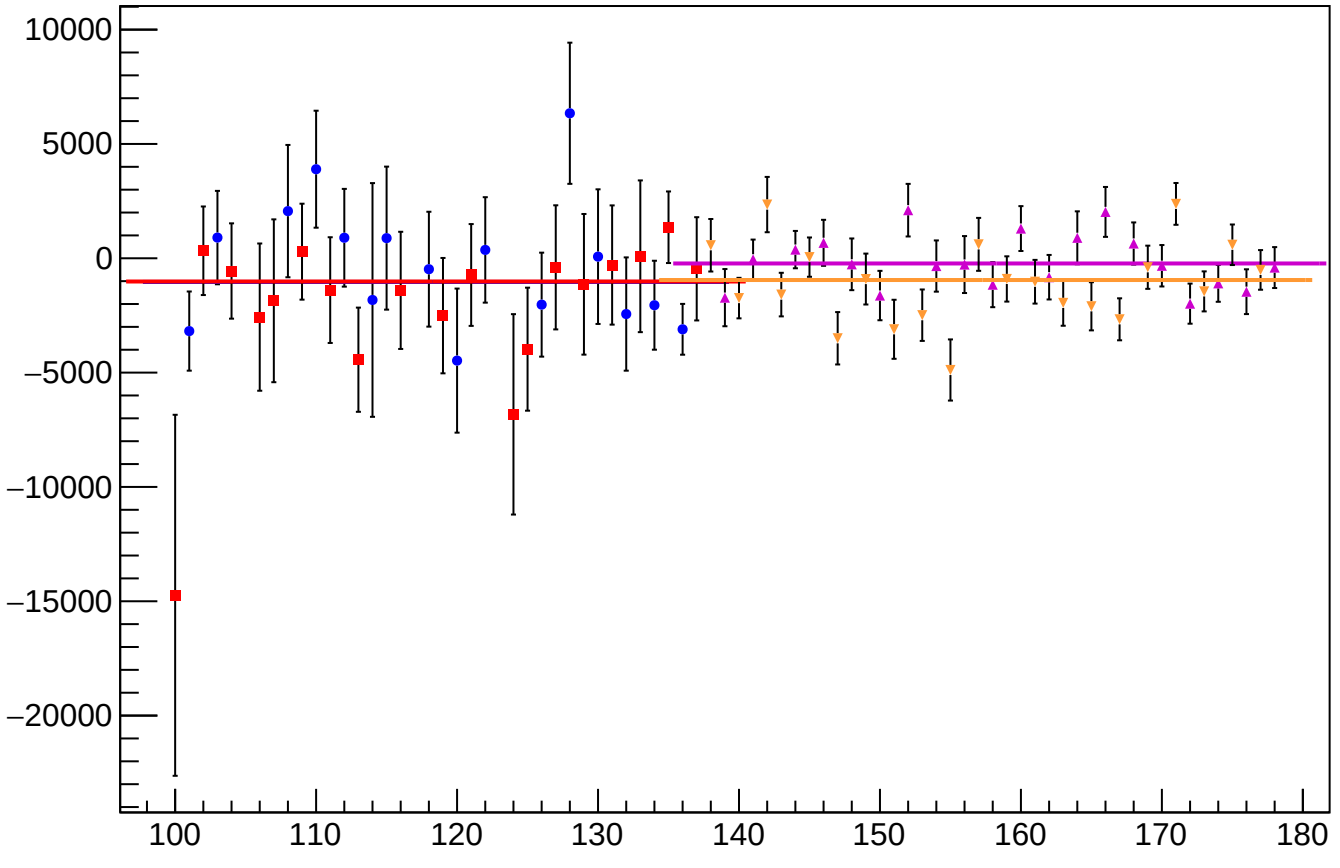
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 77.447+/-0.014 χ^2/NDF:159763.4/19

+ sign 80.609+/-0.012 χ^2/NDF: 734107.4/36

All: 80.788+/-0.008 χ^2/NDF: 1474077.9/75

- sign 80.970+/-0.012 χ^2/NDF: 739502.5/38



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -950.903+/-218.916 χ^2/NDF:54.8/20

Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

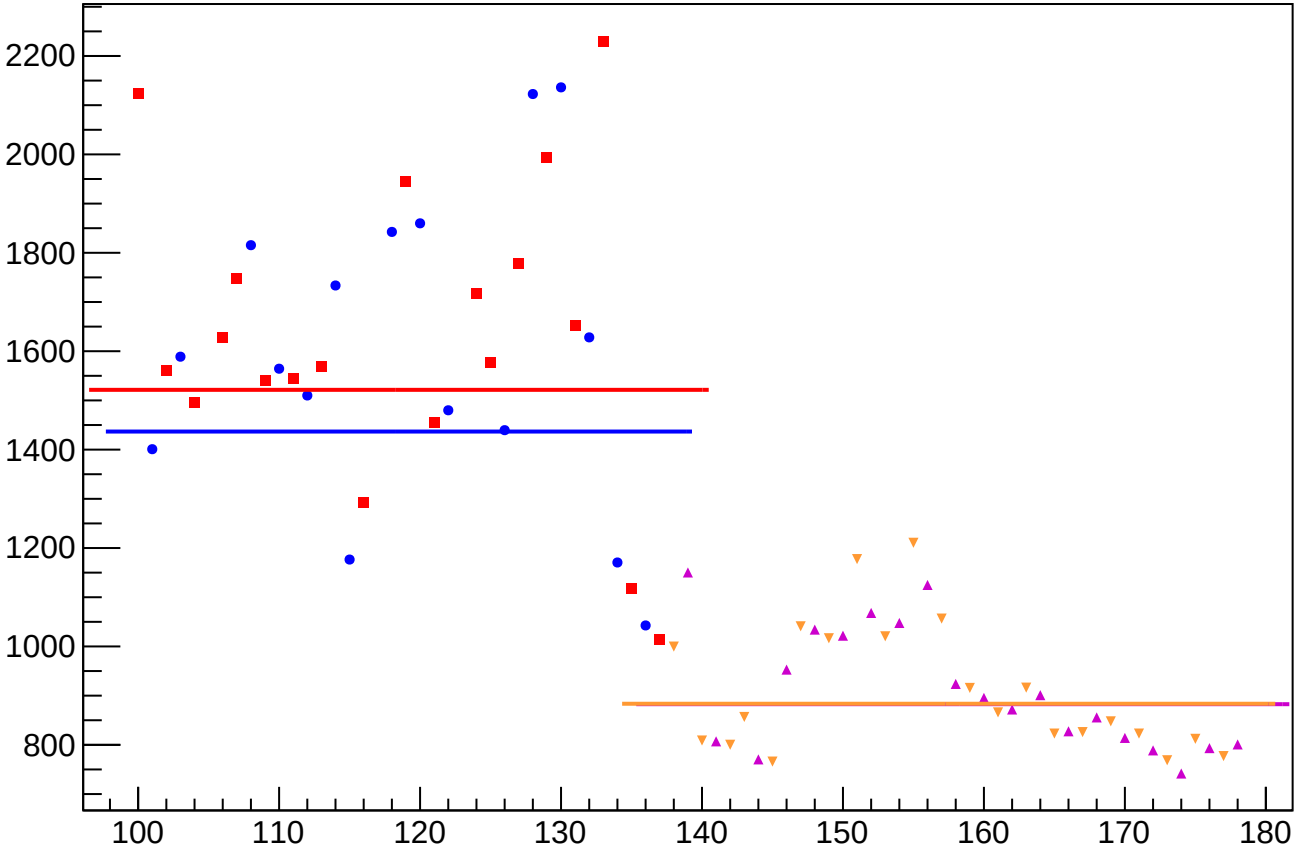
Left In: -226.998+/-220.627 χ^2/NDF:25.2/19

+ sign -962.397+/-203.407 χ^2/NDF: 75.1/36

All: -649.706+/-144.649 χ^2/NDF: 119.2/75

- sign -329.795+/-205.741 χ^2/NDF: 39.4/38

asym_sam_24_68_dd_cor_correction_rms vs Slug



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 883.536+/-0.155 χ^2/NDF:555976.1/20

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

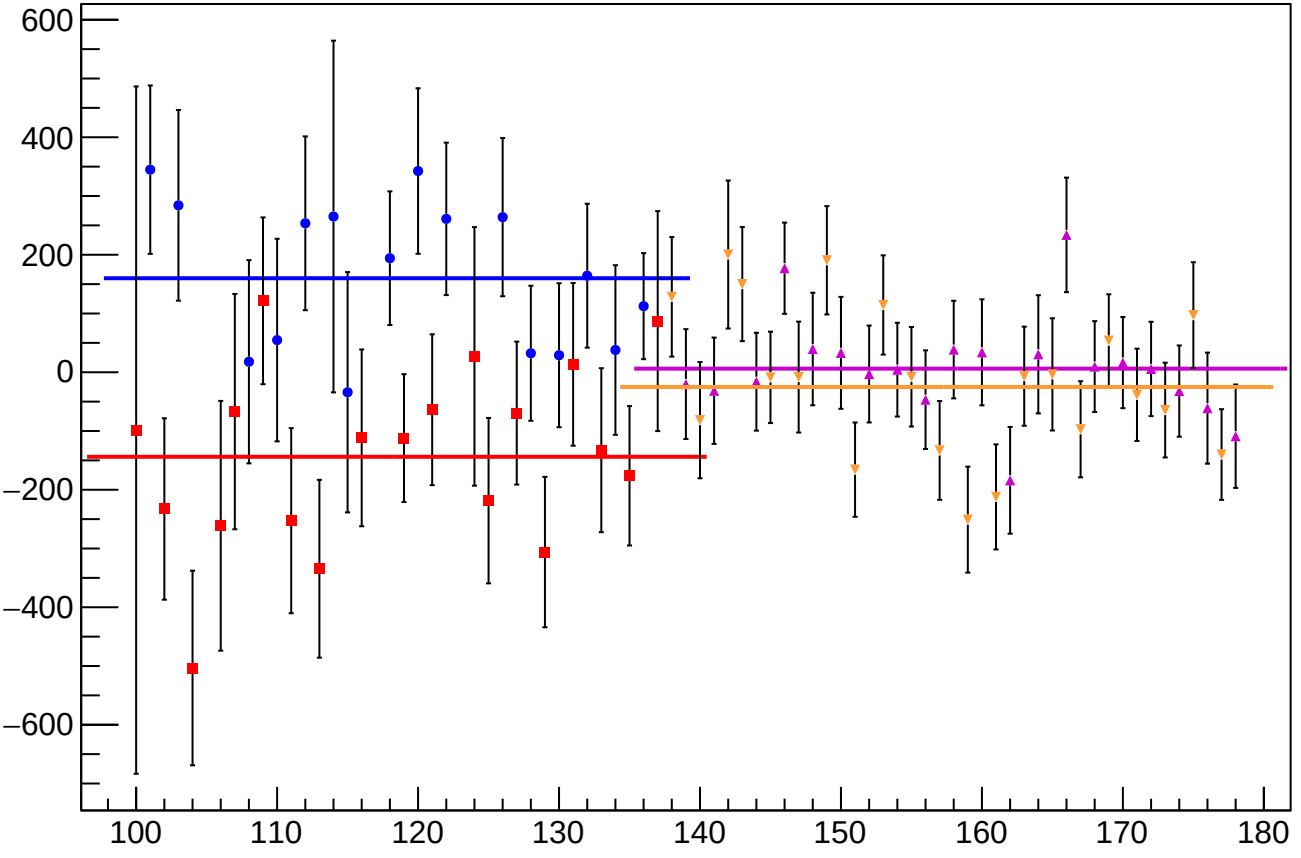
Left In: 882.635+/-0.156 χ^2/NDF:534893.9/19

+ sign 959.143+/-0.144 χ^2/NDF: 2977149.8/36

All: 962.500+/-0.102 χ^2/NDF: 6198085.9/75

- sign 965.935+/-0.145 χ^2/NDF: 3219833.7/38

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -25.084+/-19.055 χ^2/NDF:38.9/20

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

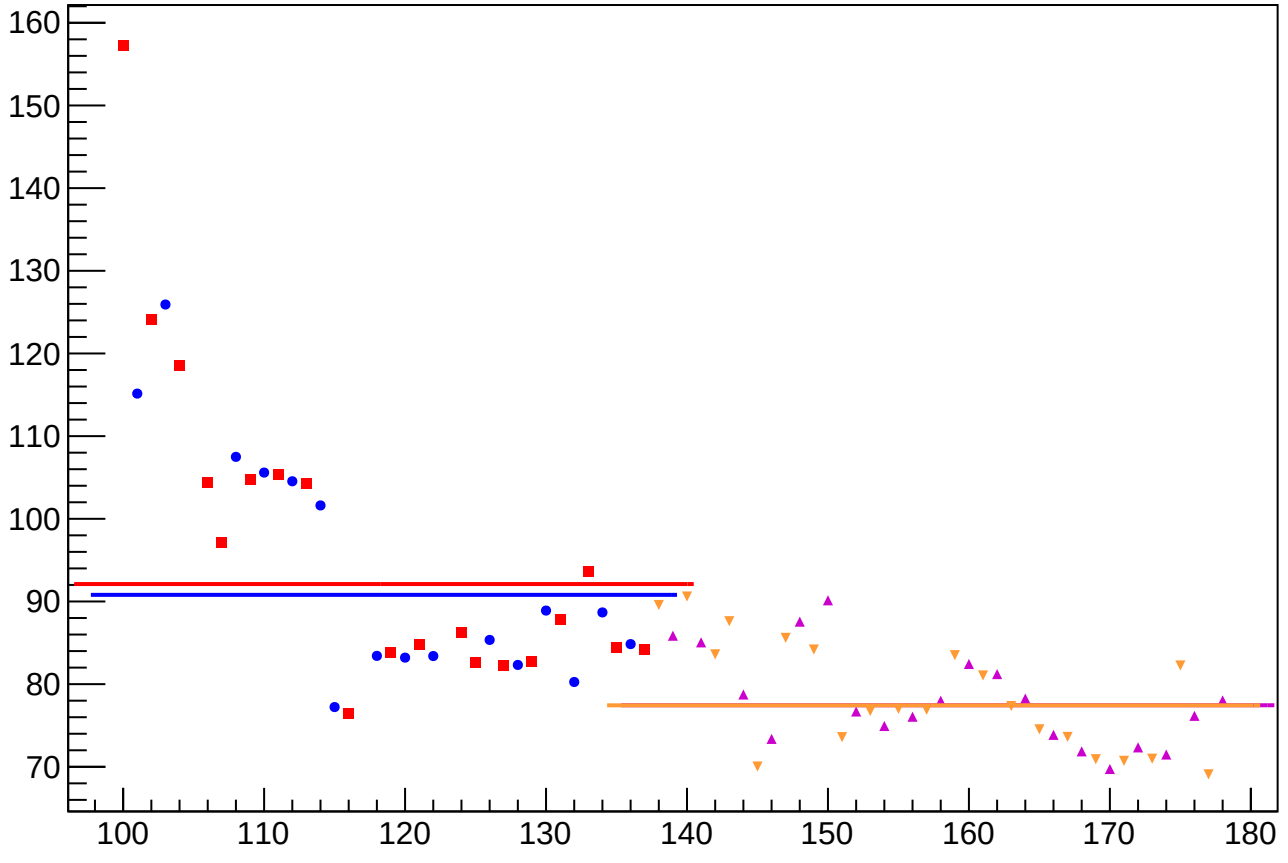
Left In: 6.152+/-19.245 χ^2/NDF:18.4/19

+ sign 18.825+/-16.642 χ^2/NDF: 72.4/36

All: -5.346+/-11.814 χ^2/NDF: 127.0/75

- sign -29.902+/-16.774 χ^2/NDF: 50.3/38

eigen_cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 77.439+/-0.013 χ^2/NDF:228039.4/20

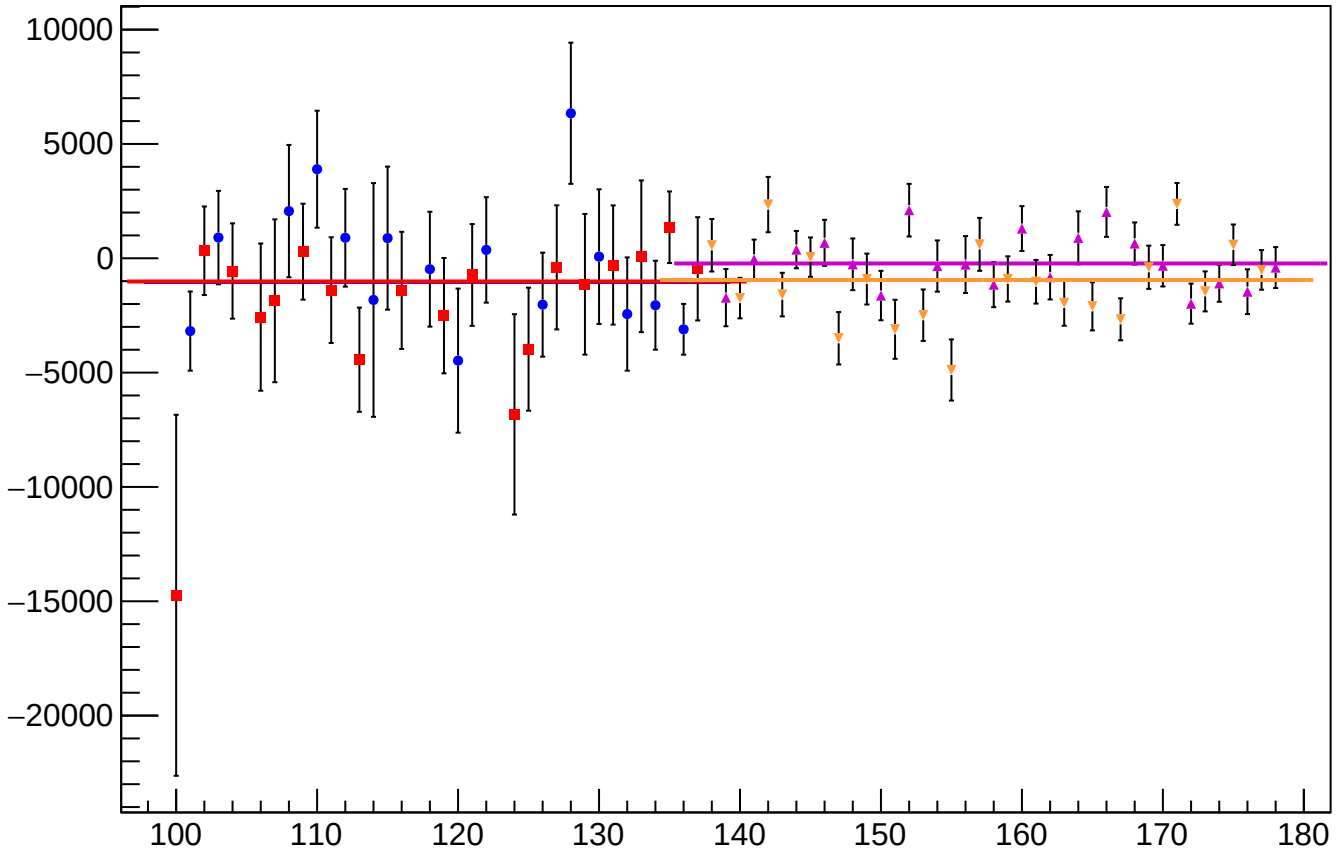
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 77.447+/-0.014 χ^2/NDF:159763.4/19

+ sign 80.609+/-0.012 χ^2/NDF: 734107.4/36

All: 80.788+/-0.008 χ^2/NDF: 1474077.9/75

- sign 80.970+/-0.012 χ^2/NDF: 739502.5/38



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -950.903+/-218.916 χ^2/NDF:54.8/20

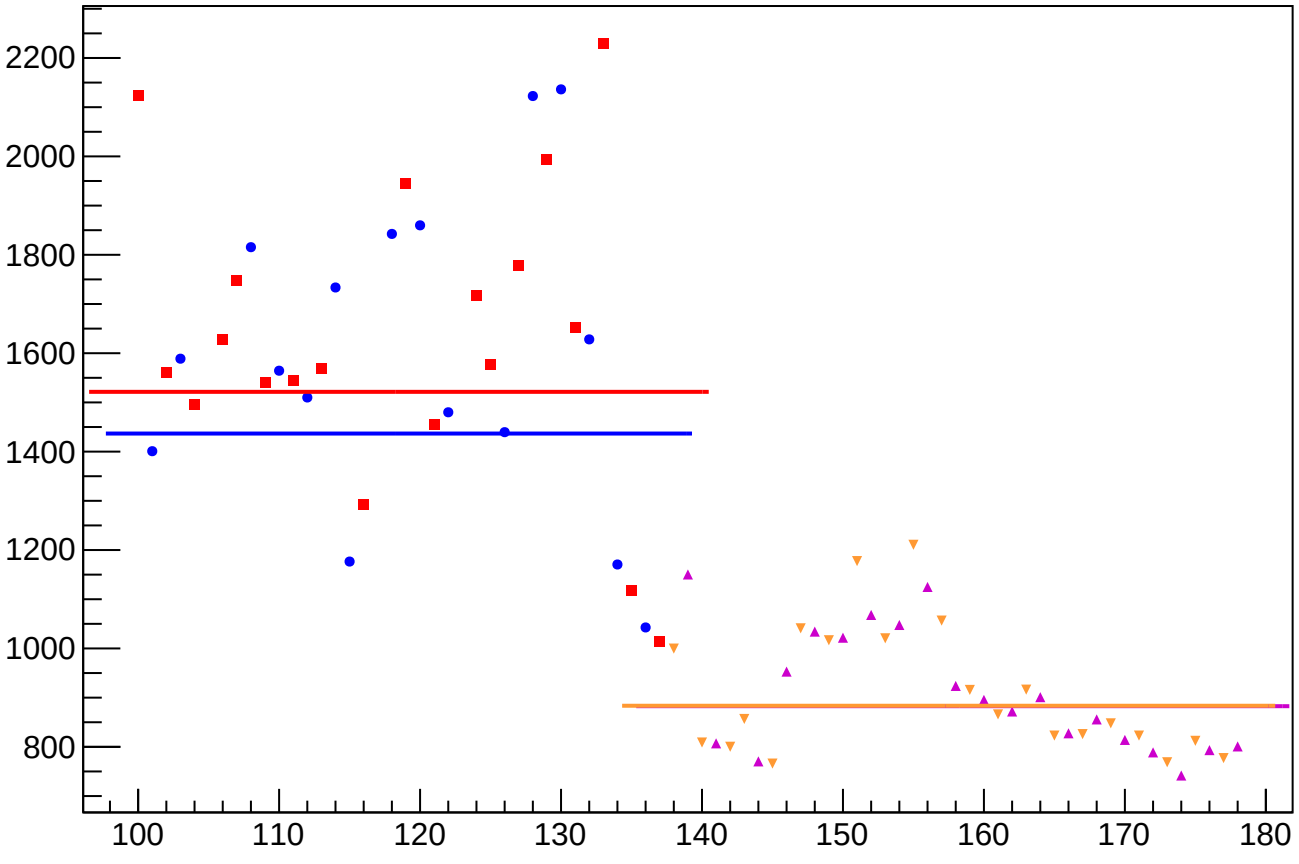
Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: -226.998+/-220.627 χ^2/NDF:25.2/19

+ sign -962.397+/-203.407 χ^2/NDF: 75.1/36

All: -649.706+/-144.649 χ^2/NDF: 119.2/75

- sign -329.795+/-205.741 χ^2/NDF: 39.4/38



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 883.536+/-0.155 χ^2/NDF:555976.1/20

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

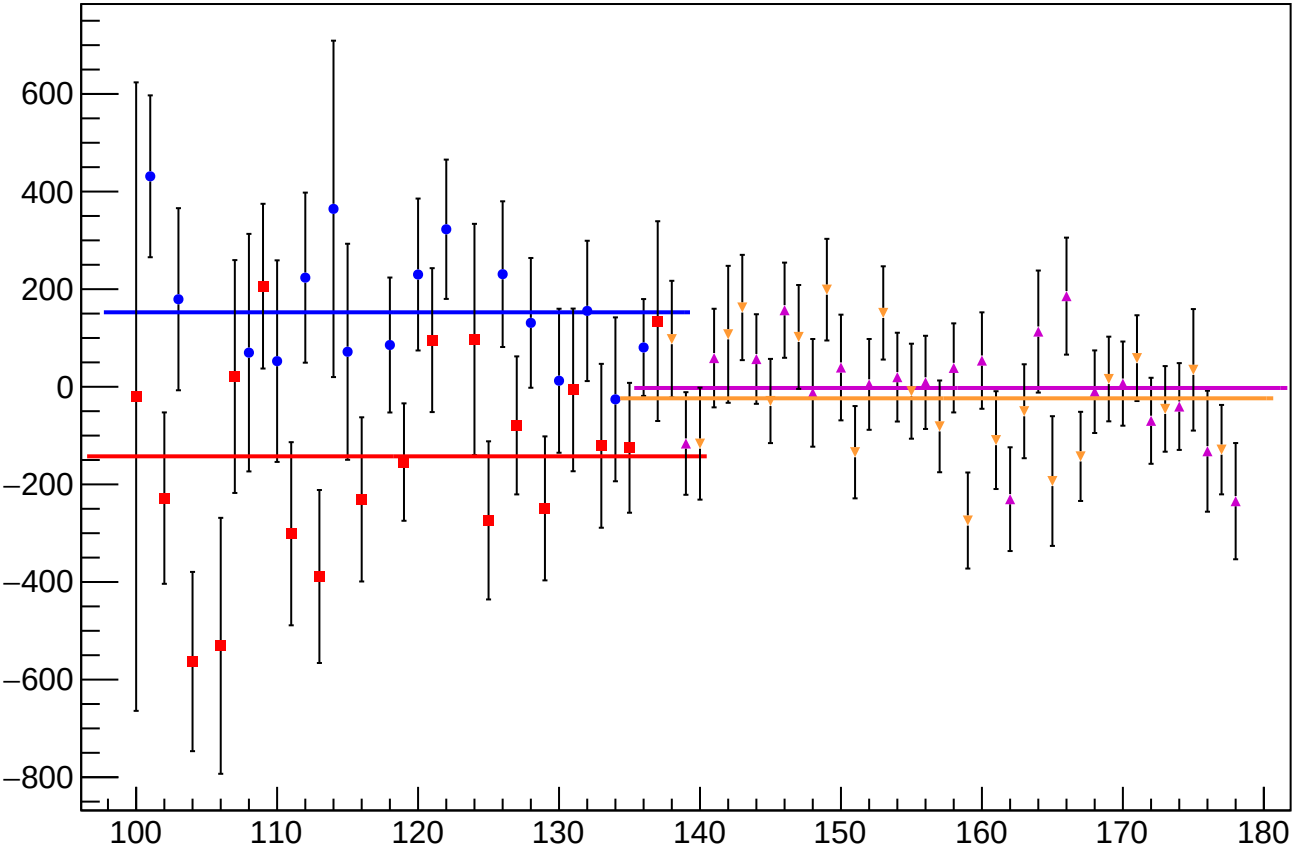
Left In: 882.635+/-0.156 χ^2/NDF:534893.9/19

+ sign 959.143+/-0.144 χ^2/NDF: 2977149.8/36

All: 962.500+/-0.102 χ^2/NDF: 6198085.9/75

- sign 965.935+/-0.145 χ^2/NDF: 3219833.7/38

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 152.626+/-39.446 χ^2/NDF: 8.6/15

Left Out: -23.611+/-21.817 χ^2/NDF:29.9/20

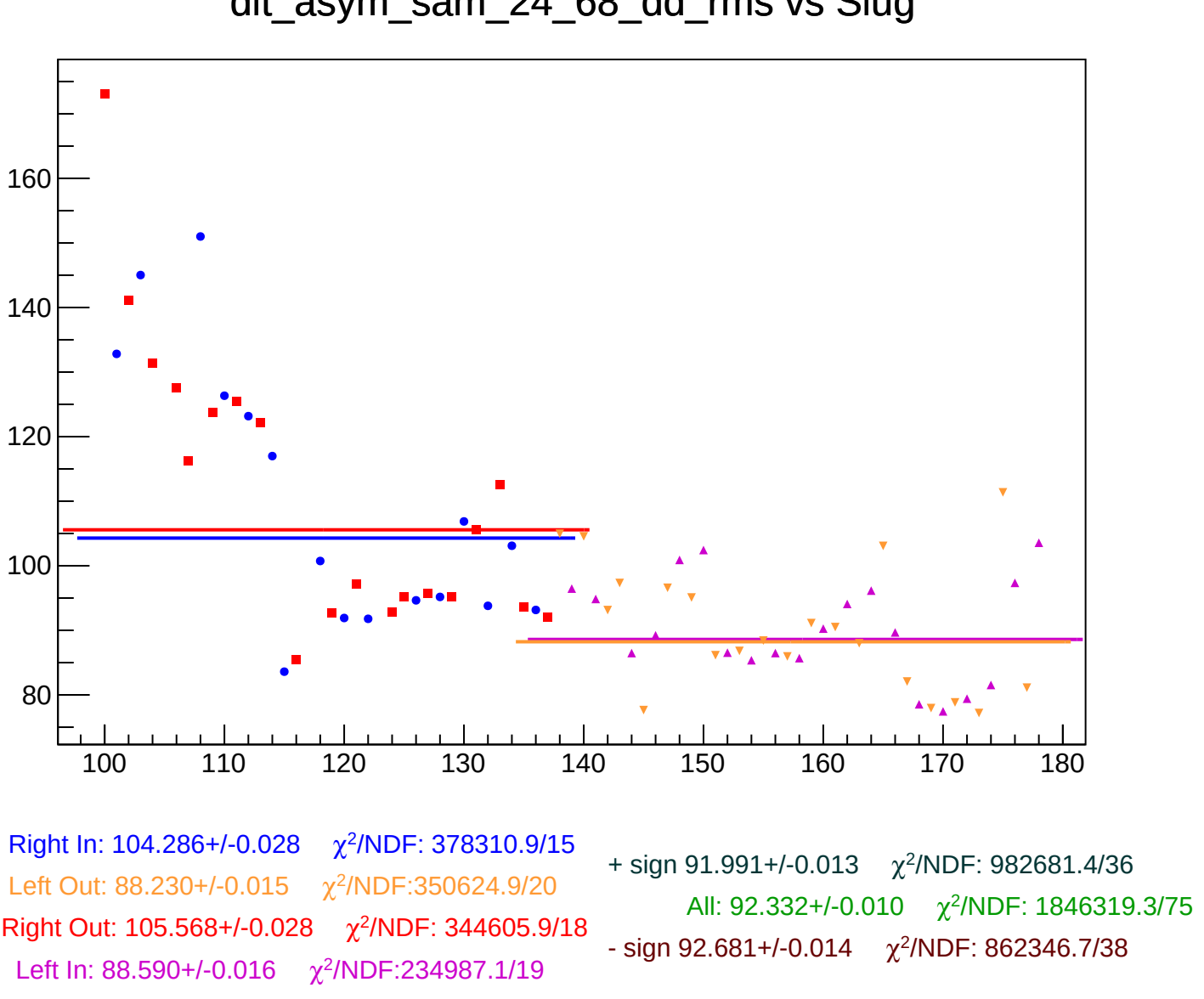
Right Out: -142.496+/-39.340 χ^2/NDF: 22.9/18

Left In: -2.455+/-22.165 χ^2/NDF:19.0/19

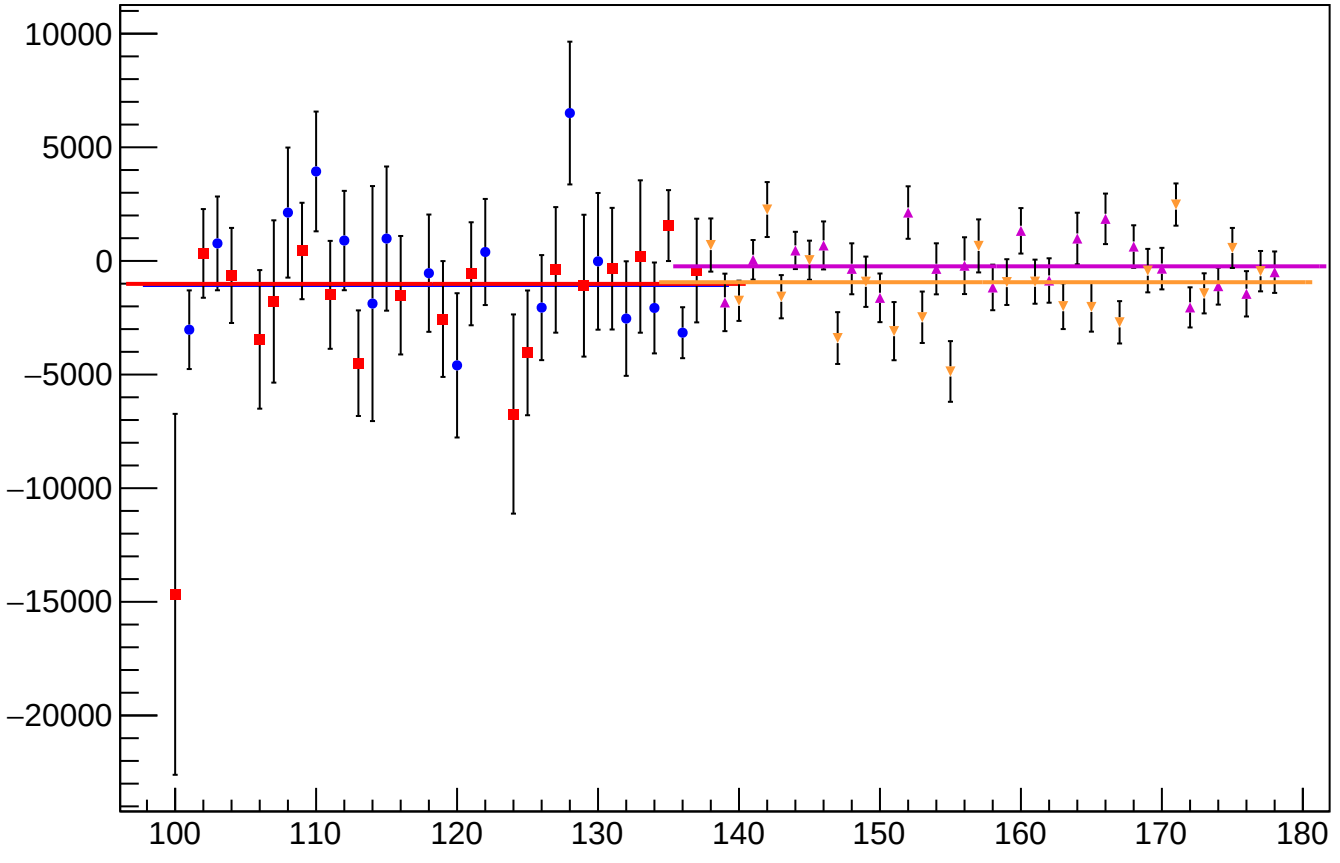
+ sign 17.671+/-19.091 χ^2/NDF: 53.8/36

All: -8.956+/-13.577 χ^2/NDF: 109.3/75

- sign -36.199+/-19.311 χ^2/NDF: 51.5/38


dit_asym_sam_24_68_dd_rms vs Slug
160
140
120
100
80
100
110
120
130
140
150
160
170
180
Right In: 104.286+/-0.028 χ²/NDF: 378310.9/15
Left Out: 88.230+/-0.015 χ²/NDF:350624.9/20
Right Out: 105.568+/-0.028 χ²/NDF: 344605.9/18
Left In: 88.590+/-0.016 χ²/NDF:234987.1/19
+ sign 91.991+/-0.013 χ²/NDF: 982681.4/36
All: 92.332+/-0.010 χ²/NDF: 1846319.3/75
- sign 92.681+/-0.014 χ²/NDF: 862346.7/38

asym_sam_24_68_dd_dit_correction_mean vs Slug



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -936.542+/-220.623 χ^2/NDF:54.4/20

Right Out: -1009.907+/-575.100 χ^2/NDF: 13.3/18

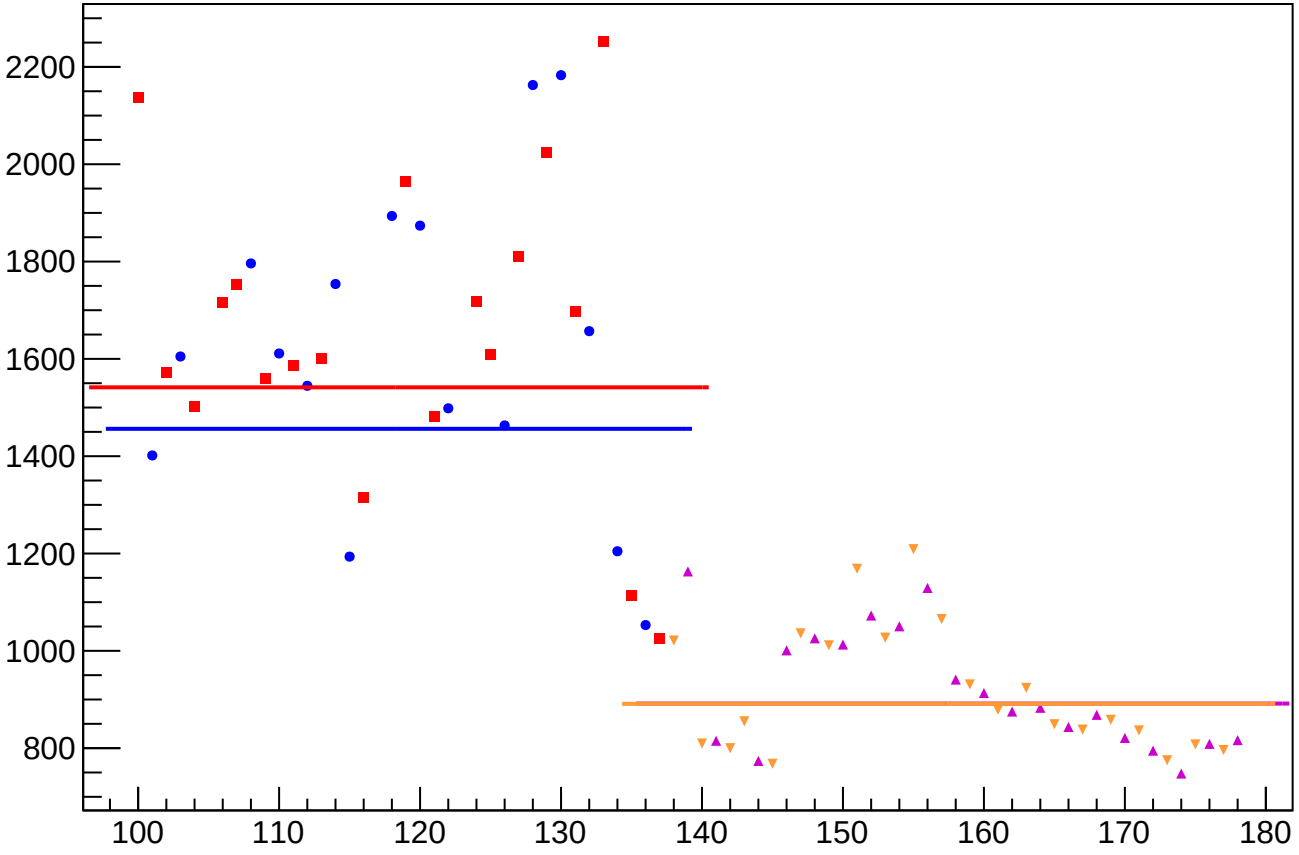
Left In: -237.249+/-222.780 χ^2/NDF:25.2/19

+ sign -953.164+/-205.150 χ^2/NDF: 74.5/36

All: -649.470+/-145.970 χ^2/NDF: 119.0/75

- sign -338.066+/-207.738 χ^2/NDF: 40.1/38

asym_sam_24_68_dd_dit_correction_rms vs Slug



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 891.134+/-0.156 χ^2/NDF:533173.4/20

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

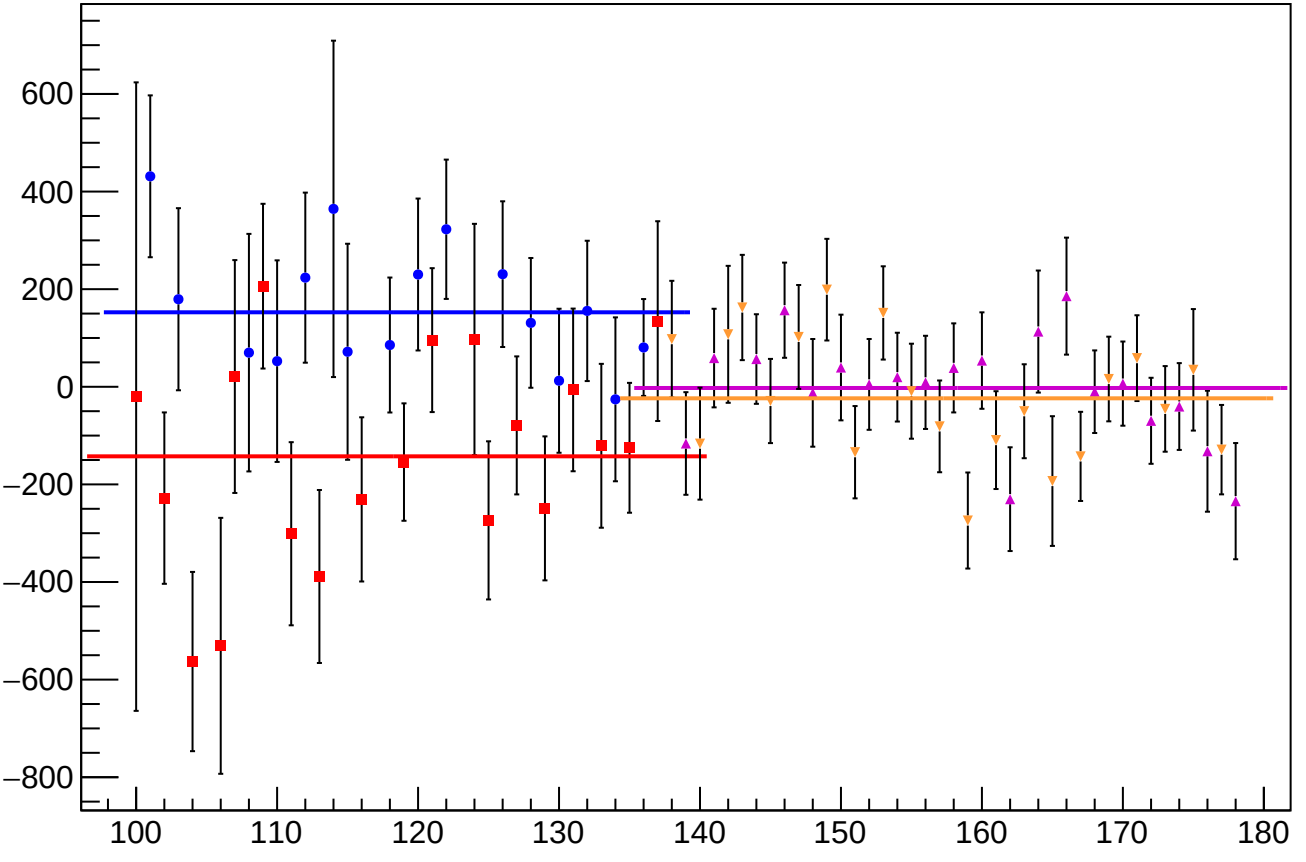
Left In: 891.647+/-0.158 χ^2/NDF:523412.0/19

\+ sign 967.625+/-0.145 χ^2/NDF: 2994277.6/36

All: 971.979+/-0.103 χ^2/NDF: 6259516.0/75

\- sign 976.443+/-0.147 χ^2/NDF: 3263414.0/38

eigen_dit_asym_sam_24_68_dd_mean vs Slug



Right In: 152.628+/-39.446 χ^2/NDF: 8.6/15

Left Out: -23.612+/-21.817 χ^2/NDF:29.9/20

Right Out: -142.494+/-39.340 χ^2/NDF: 22.9/18

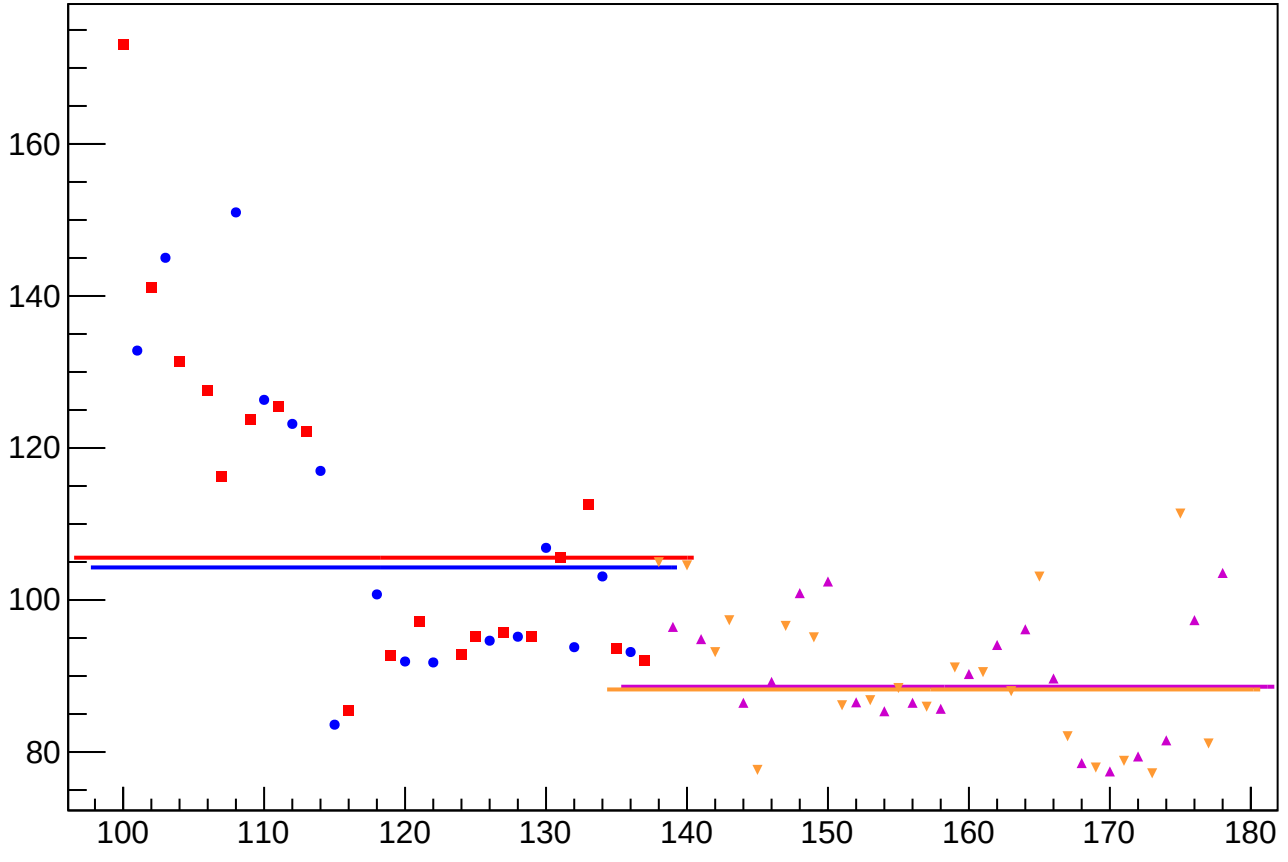
Left In: -2.454+/-22.165 χ^2/NDF:19.0/19

+ sign 17.671+/-19.091 χ^2/NDF: 53.8/36

All: -8.955+/-13.577 χ^2/NDF: 109.3/75

- sign -36.198+/-19.311 χ^2/NDF: 51.5/38

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 88.230+/-0.015 χ^2/NDF:350624.2/20

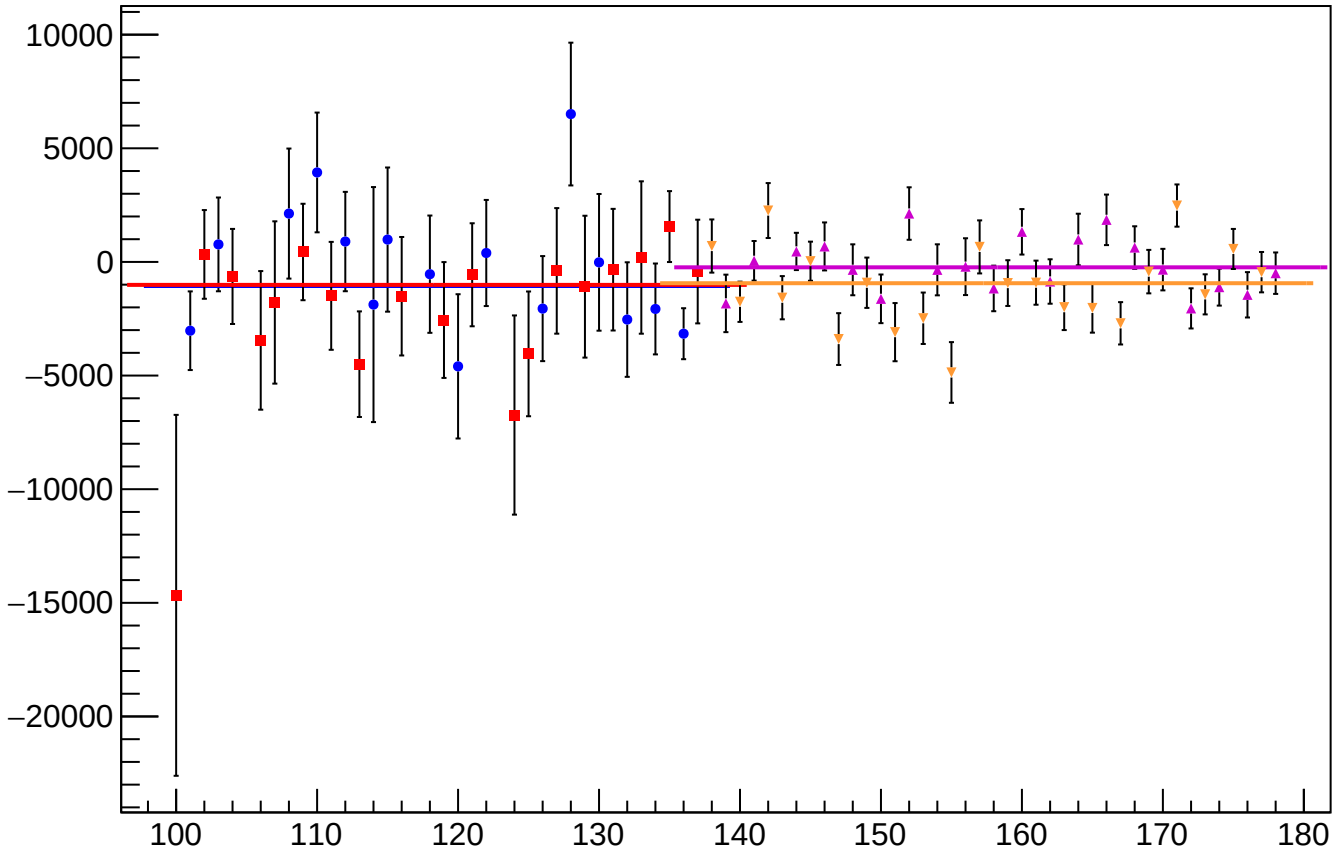
Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 88.590+/-0.016 χ^2/NDF:234986.1/19

+ sign 91.991+/-0.013 χ^2/NDF: 982652.6/36

All: 92.332+/-0.010 χ^2/NDF: 1846268.0/75

- sign 92.681+/-0.014 χ^2/NDF: 862324.3/38



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: -936.542+/-220.622 χ^2/NDF:54.4/20

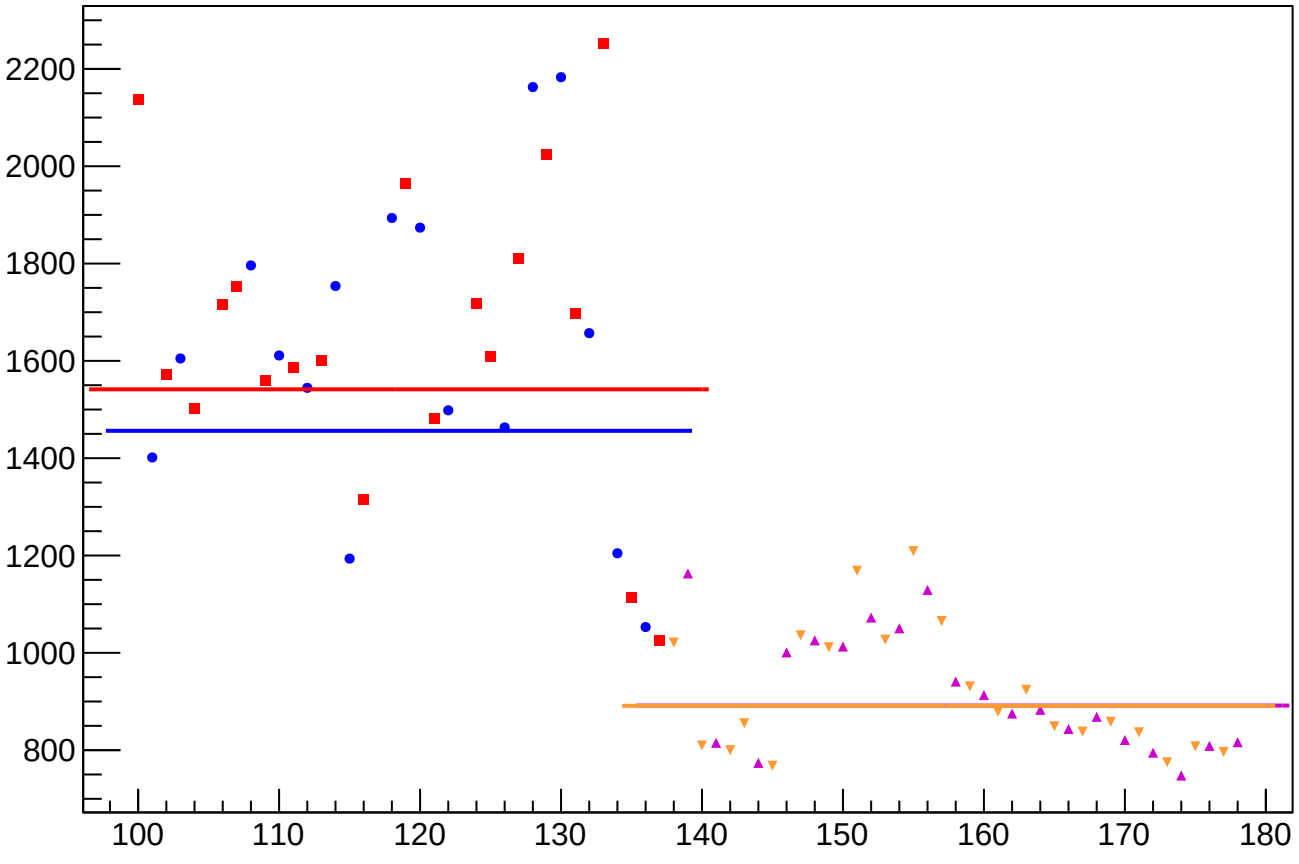
Right Out: -1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: -237.248+/-222.780 χ^2/NDF:25.2/19

\+ sign -953.163+/-205.150 χ^2/NDF: 74.5/36

All: -649.469+/-145.969 χ^2/NDF: 119.0/75

\- sign -338.065+/-207.738 χ^2/NDF: 40.1/38



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 891.134+/-0.156 χ^2/NDF:533173.2/20

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

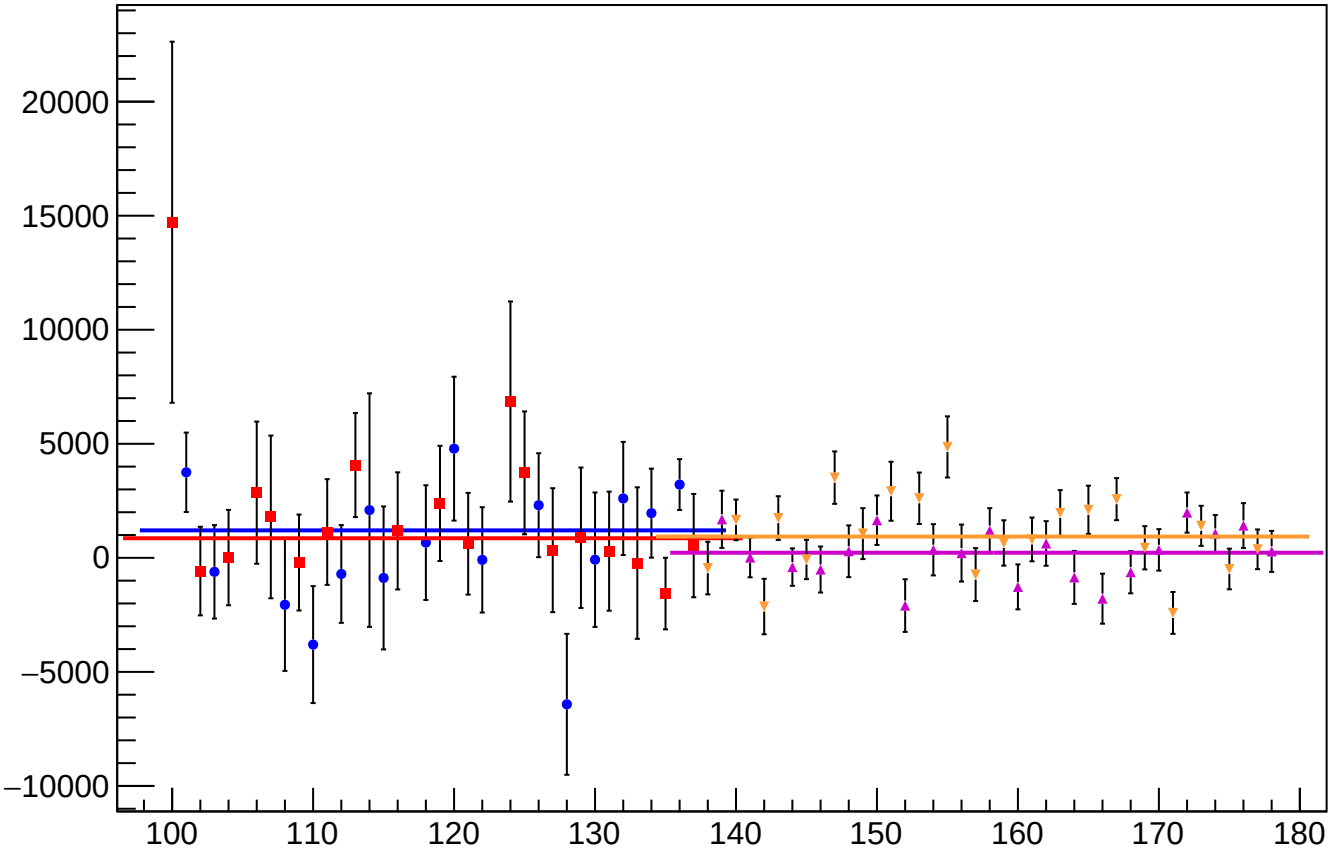
Left In: 891.646+/-0.158 χ^2/NDF:523411.6/19

\+ sign 967.624+/-0.145 χ^2/NDF: 2994267.5/36

All: 971.978+/-0.103 χ^2/NDF: 6259498.0/75

\- sign 976.442+/-0.147 χ^2/NDF: 3263406.3/38

asym_sam_24_68_dd_mean vs Slug



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 933.507+/-219.824 χ^2/NDF:53.2/20

Right Out: 859.290+/-570.391 χ^2/NDF: 12.5/18

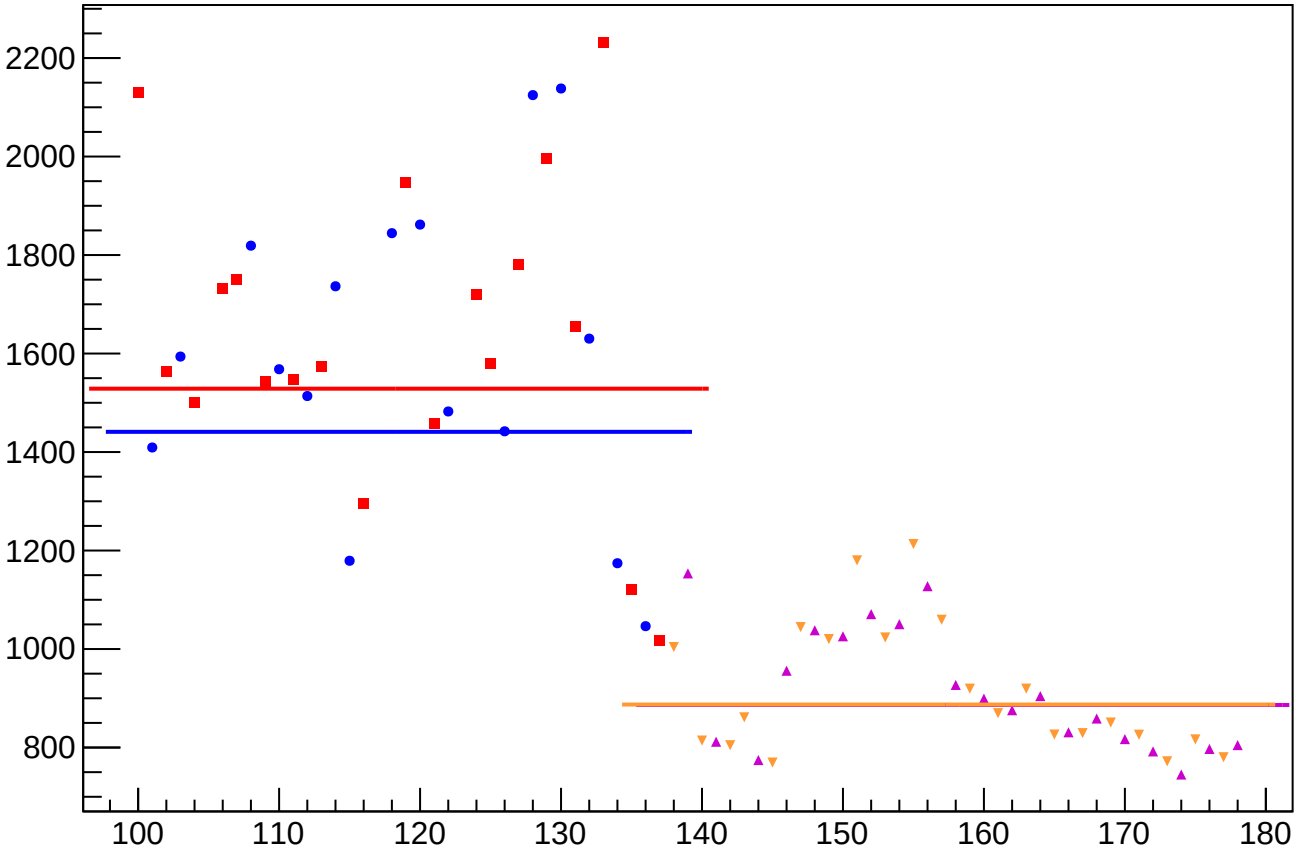
Left In: 224.566+/-221.534 χ^2/NDF:23.4/19

+ sign 970.658+/-204.212 χ^2/NDF: 74.6/36

All: 642.912+/-145.204 χ^2/NDF: 116.8/75

- sign 307.762+/-206.505 χ^2/NDF: 37.0/38

asym_sam_24_68_dd_rms vs Slug



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 887.318+/-0.155 χ^2/NDF:550172.0/20

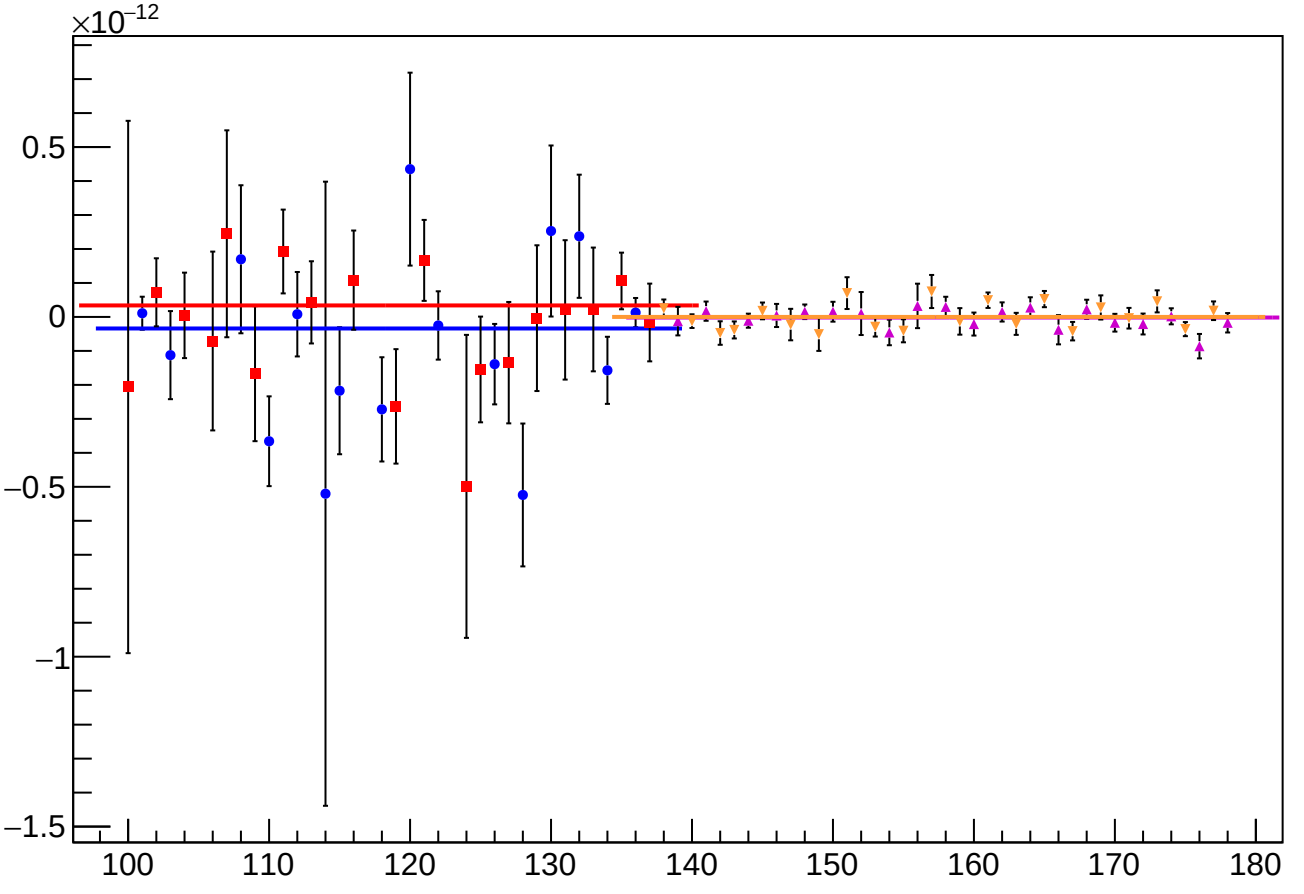
Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 886.367+/-0.157 χ^2/NDF:528939.5/19

+ sign 963.174+/-0.144 χ^2/NDF: 2959253.0/36

All: 966.823+/-0.103 χ^2/NDF: 6194748.1/75

- sign 970.554+/-0.146 χ^2/NDF: 3234203.7/38



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:32.9/20

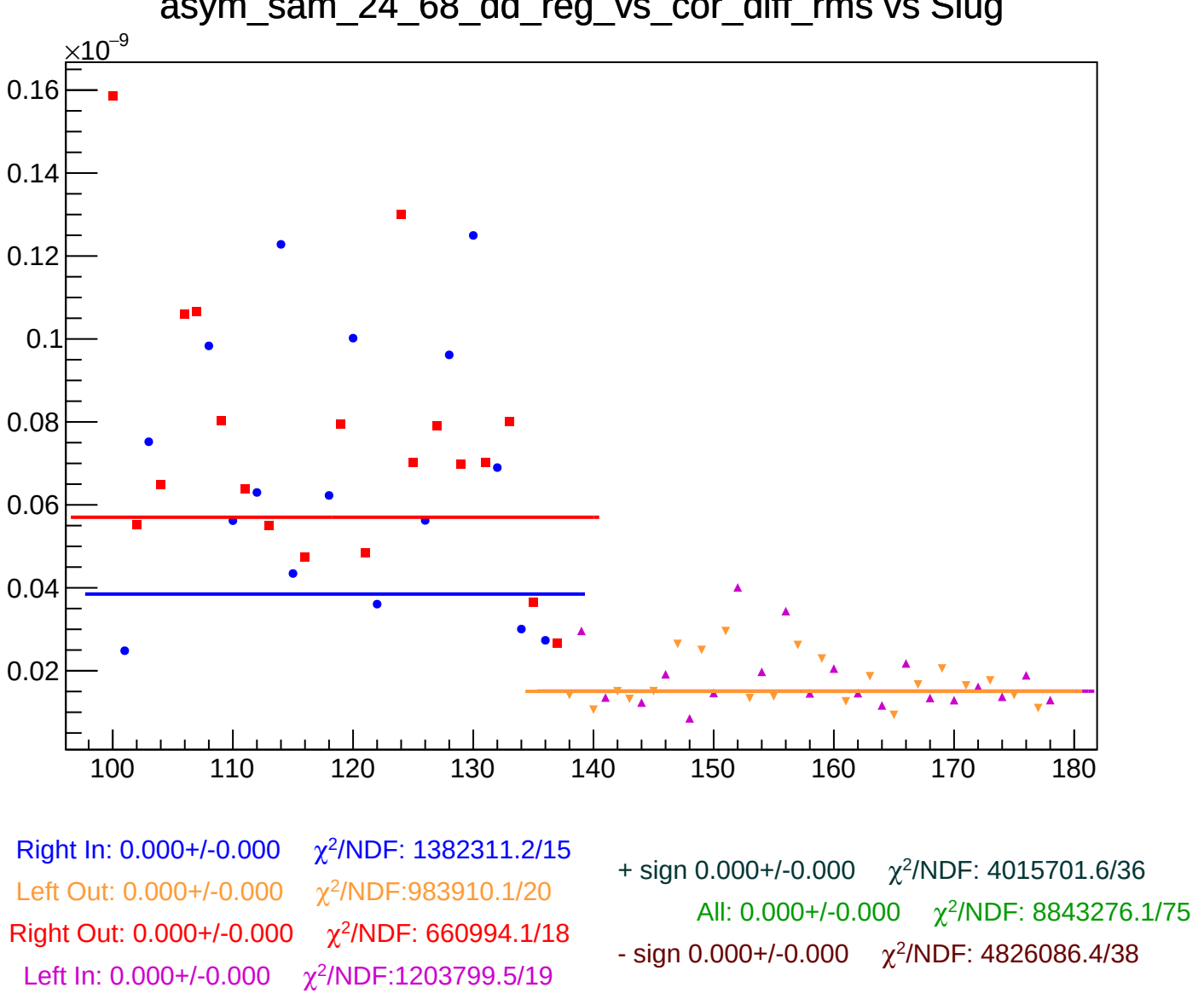
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:14.1/19

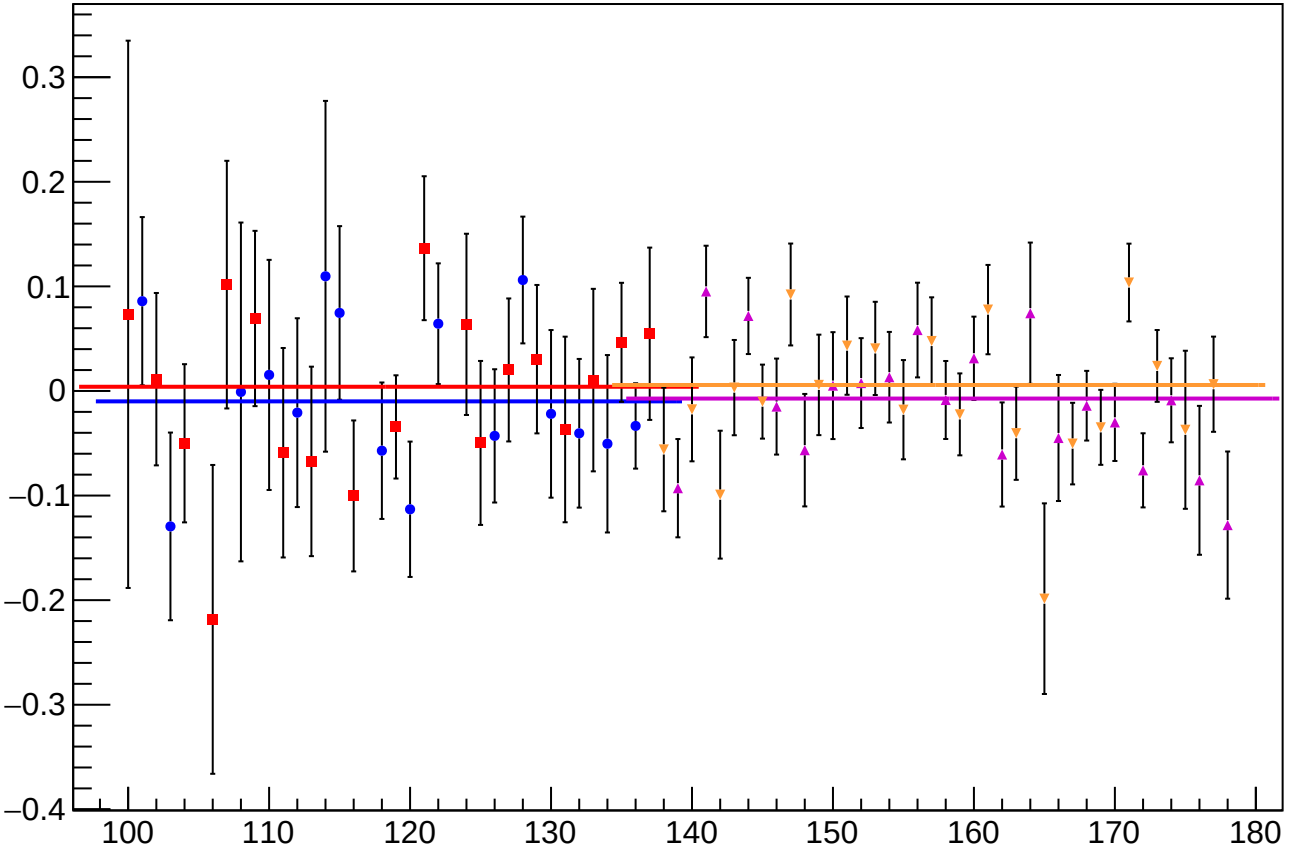
+ sign -0.000+/-0.000 χ^2/NDF: 62.0/36

All: -0.000+/-0.000 χ^2/NDF: 90.2/75

- sign -0.000+/-0.000 χ^2/NDF: 28.1/38


asym_sam_24_68_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
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1382311.2/15
Left Out: 0.000+/-0.000 χ²/NDF:983910.1/20
Right Out: 0.000+/-0.000 χ²/NDF: 660994.1/18
Left In: 0.000+/-0.000 χ²/NDF:1203799.5/19
+ sign 0.000+/-0.000 χ²/NDF: 4015701.6/36
All: 0.000+/-0.000 χ²/NDF: 8843276.1/75
- sign 0.000+/-0.000 χ²/NDF: 4826086.4/38

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.5/20

Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

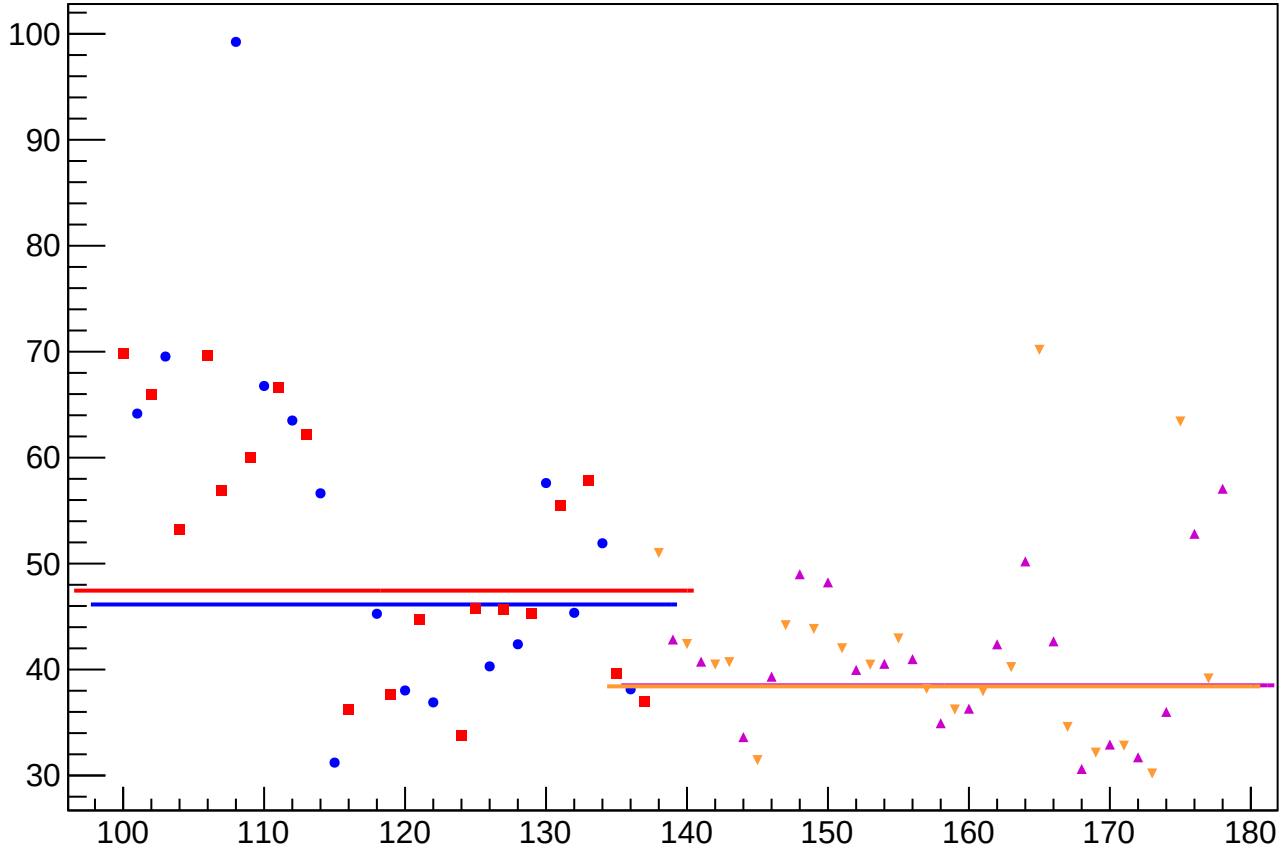
Left In: -0.007+/-0.010 χ^2/NDF:29.2/19

+ sign 0.002+/-0.009 χ^2/NDF: 45.3/36

All: -0.001+/-0.006 χ^2/NDF: 88.9/75

- sign -0.005+/-0.009 χ^2/NDF: 43.3/38

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: 38.413+/-0.007 χ^2/NDF:988496.2/20

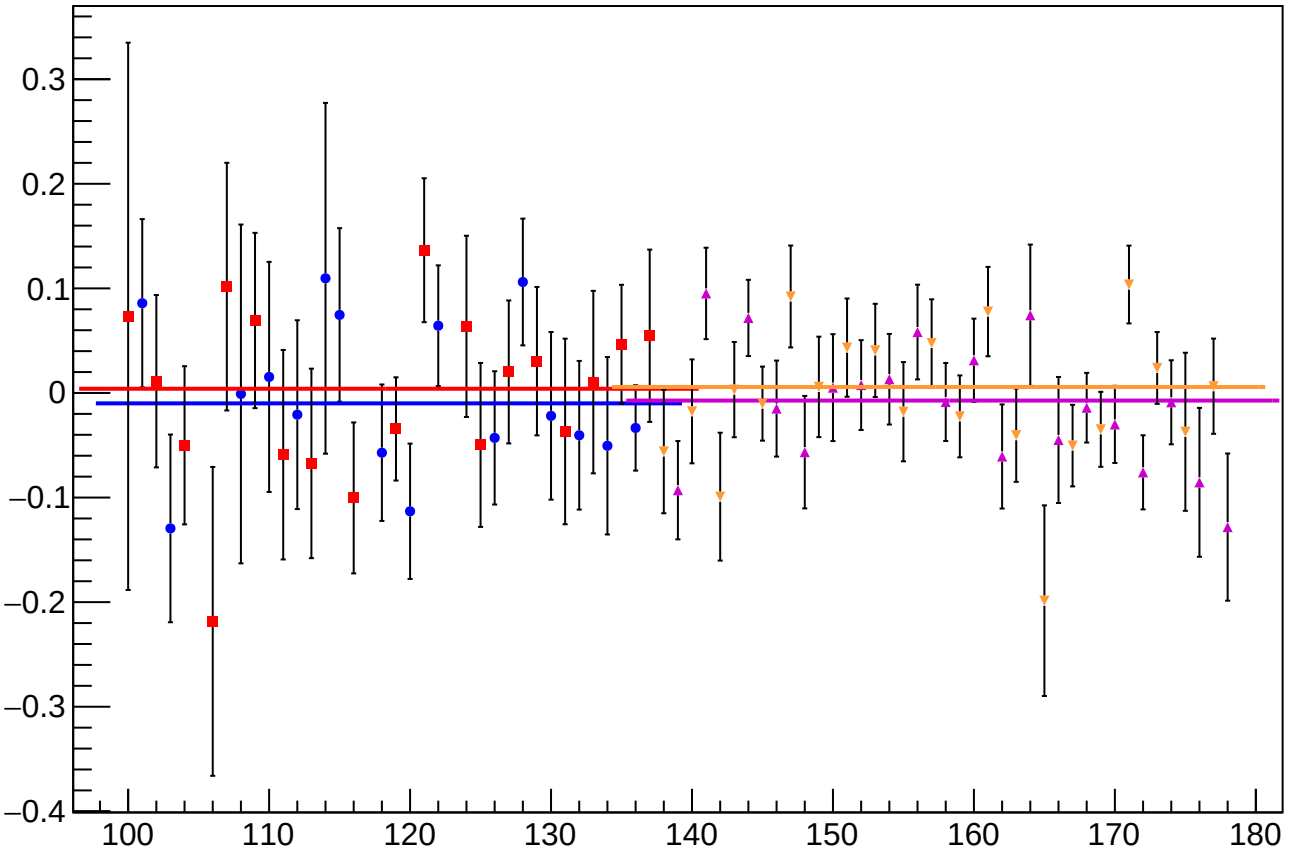
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 38.508+/-0.007 χ^2/NDF:785221.2/19

+ sign 40.162+/-0.006 χ^2/NDF: 2177247.5/36

All: 40.363+/-0.004 χ^2/NDF: 3995220.2/75

- sign 40.570+/-0.006 χ^2/NDF: 1815738.6/38



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.5/20

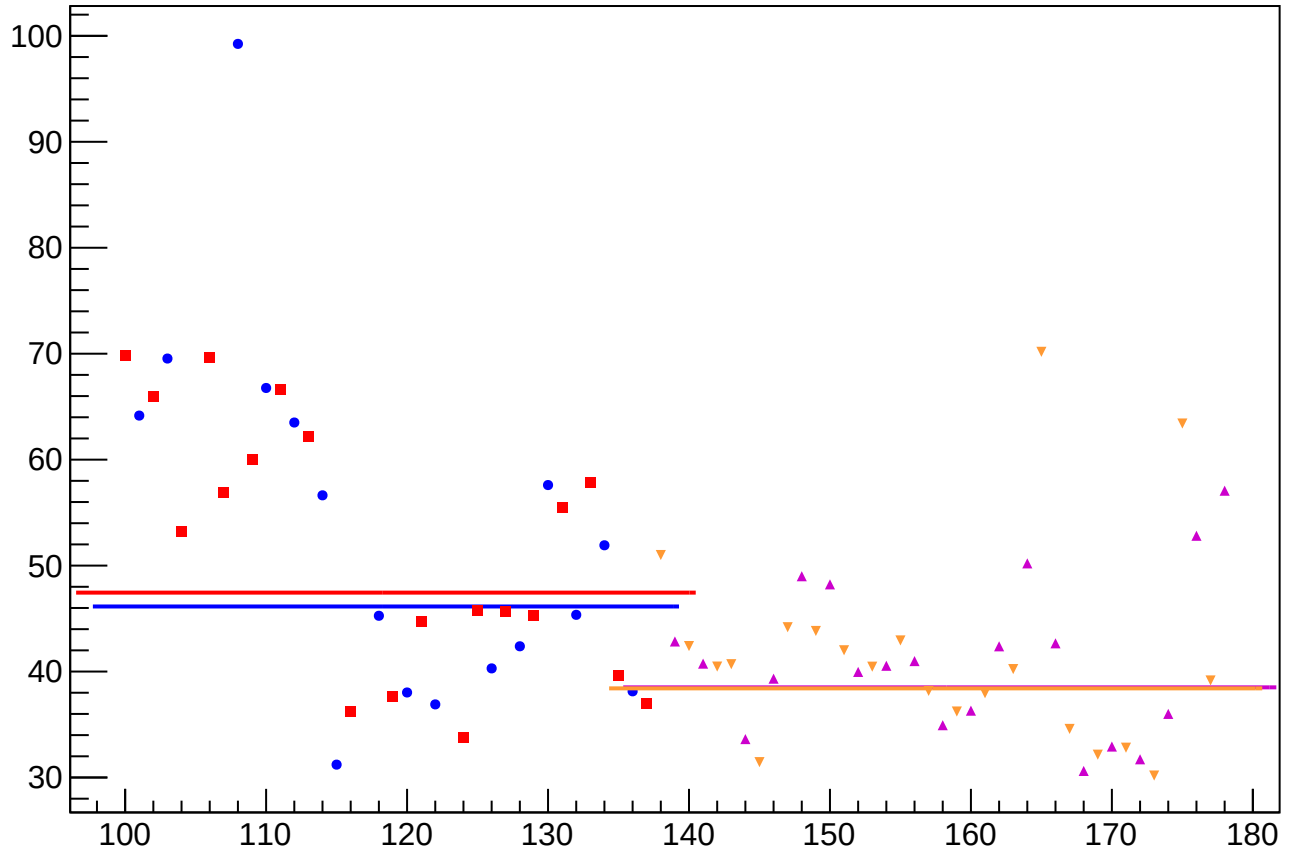
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.007+/-0.010 χ^2/NDF:29.2/19

+ sign 0.002+/-0.009 χ^2/NDF: 45.3/36

All: -0.001+/-0.006 χ^2/NDF: 88.9/75

- sign -0.005+/-0.009 χ^2/NDF: 43.3/38



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 38.413+/-0.007 χ^2/NDF:988496.2/20

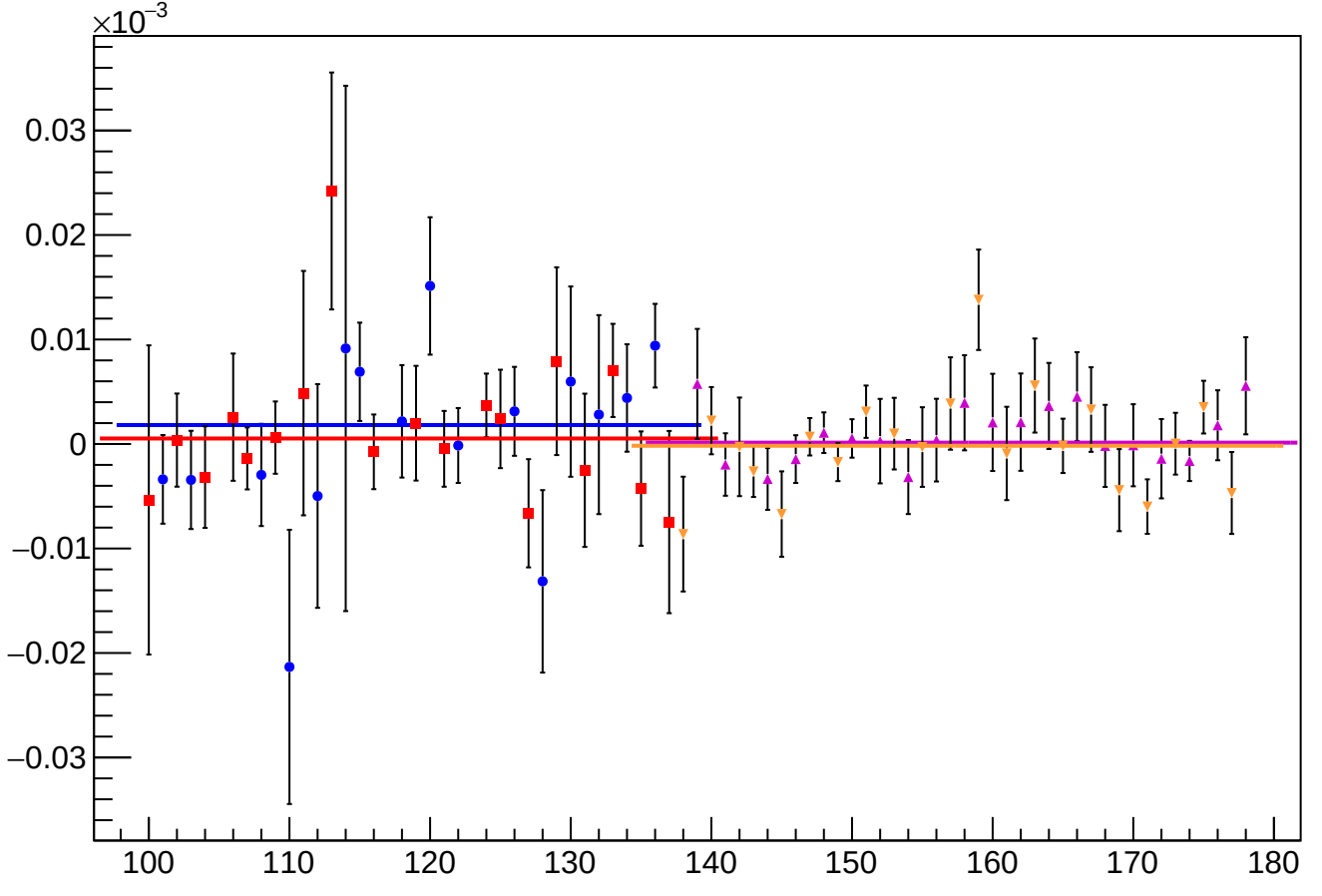
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 38.508+/-0.007 χ^2/NDF:785221.2/19

+ sign 40.162+/-0.006 χ^2/NDF: 2177247.5/36

All: 40.363+/-0.004 χ^2/NDF: 3995220.2/75

- sign 40.570+/-0.006 χ^2/NDF: 1815738.6/38



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.6/20

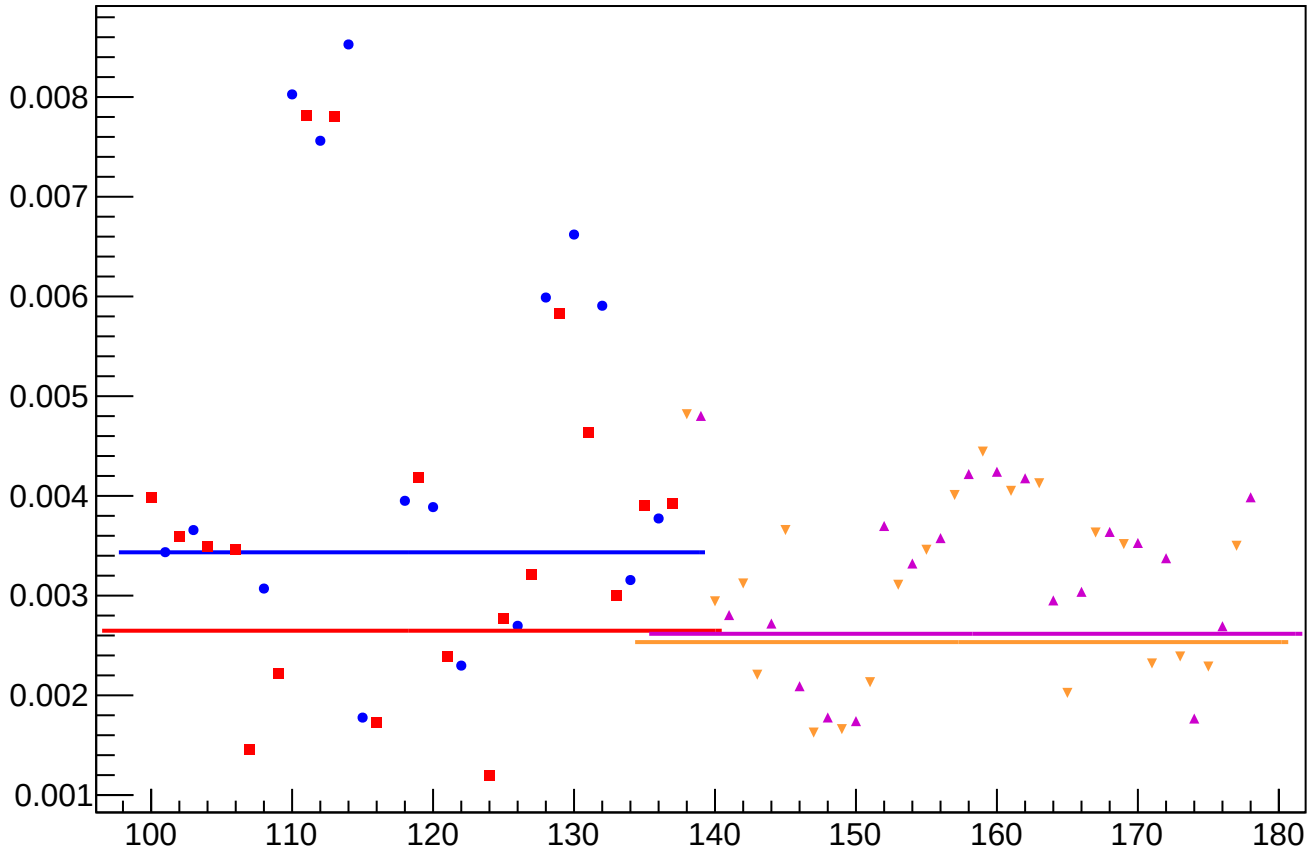
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:10.1/19

+ sign 0.000+/-0.000 χ^2/NDF: 52.3/36

All: 0.000+/-0.000 χ^2/NDF: 76.2/75

- sign 0.000+/-0.000 χ^2/NDF: 24.0/38



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:3326058.8/20

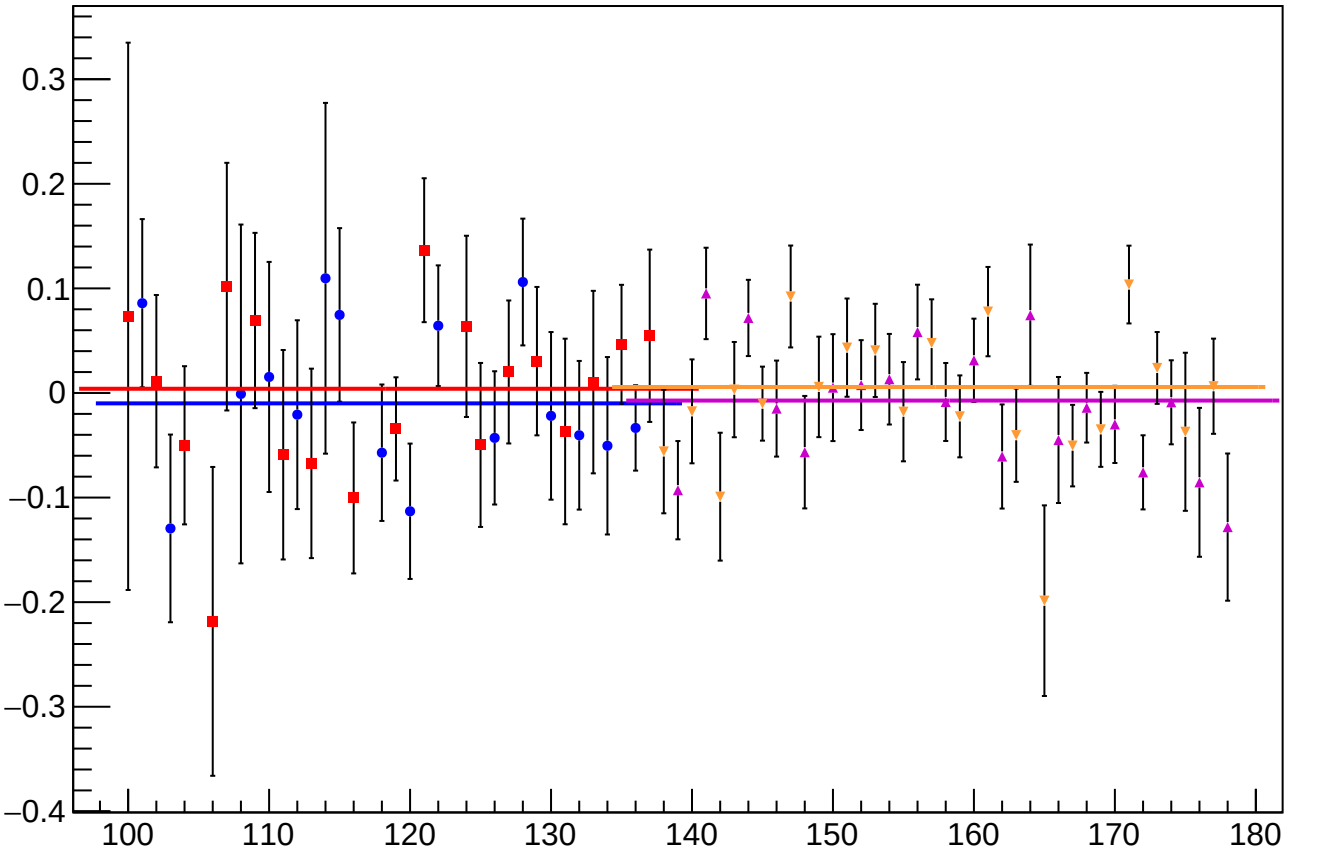
Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.003+/-0.000 χ^2/NDF:3263264.0/19

+ sign 0.003+/-0.000 χ^2/NDF: 5773124.4/36

All: 0.003+/-0.000 χ^2/NDF: 11751749.6/75

- sign 0.003+/-0.000 χ^2/NDF: 5961277.3/38



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.5/20

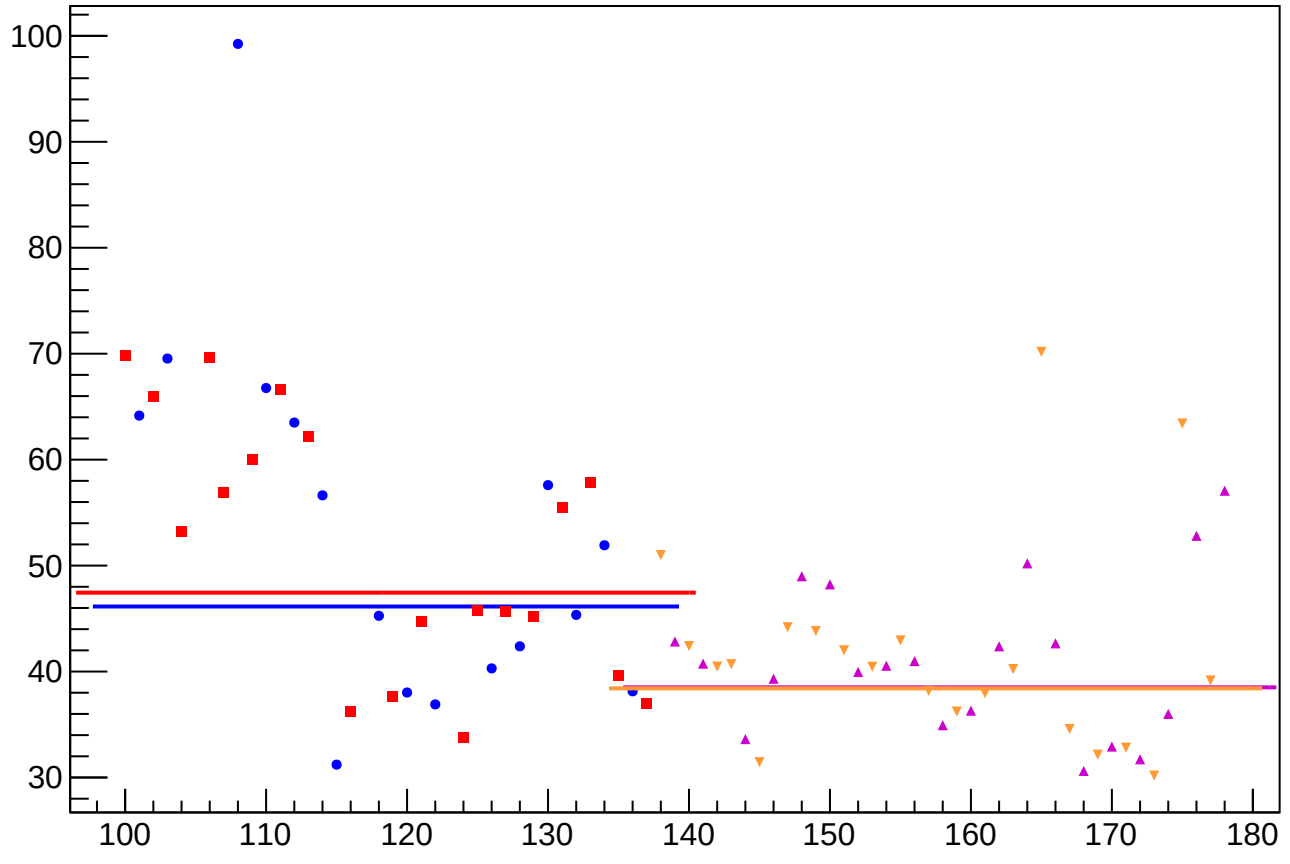
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.007+/-0.010 χ^2/NDF:29.2/19

+ sign 0.002+/-0.009 χ^2/NDF: 45.3/36

All: -0.001+/-0.006 χ^2/NDF: 88.9/75

- sign -0.005+/-0.009 χ^2/NDF: 43.3/38



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 38.413+/-0.007 χ^2/NDF:988518.7/20

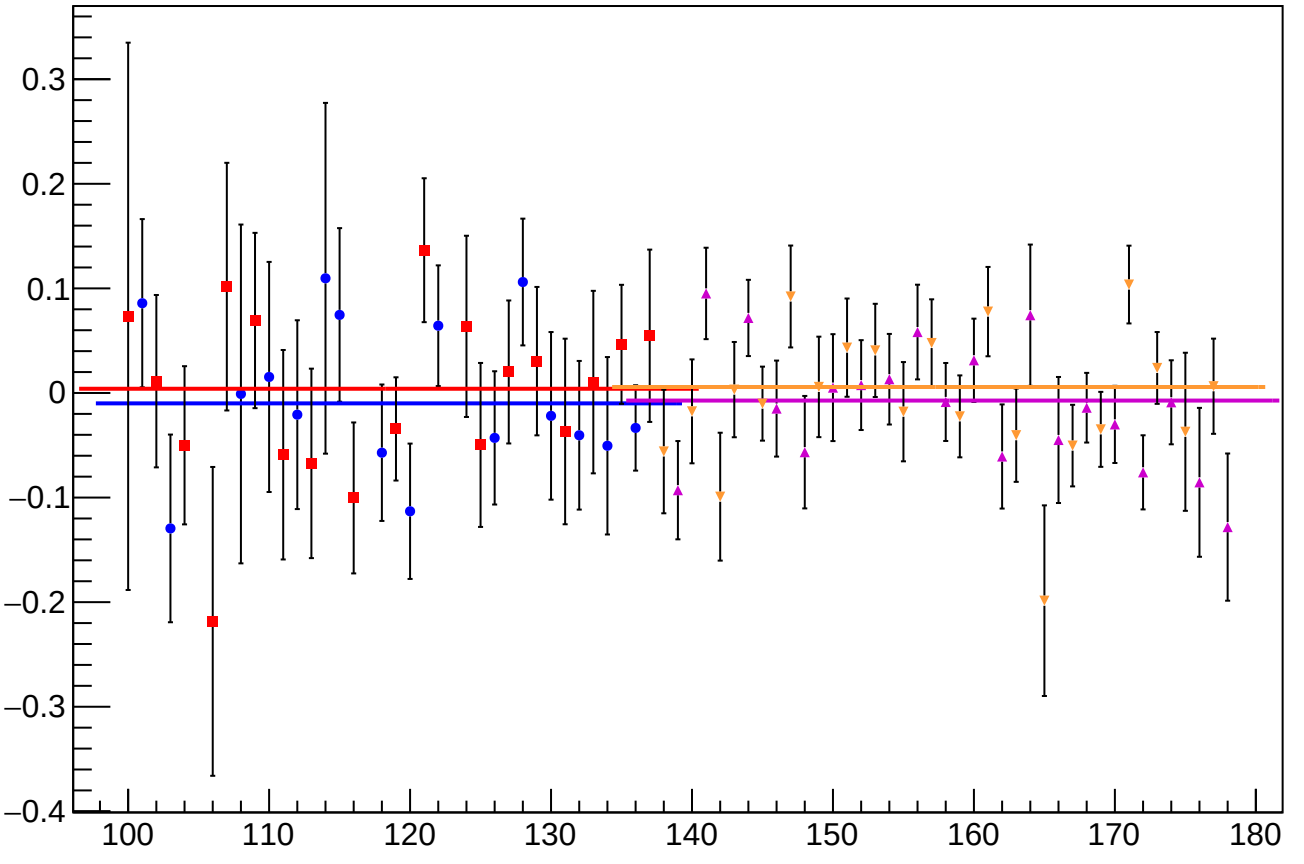
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 38.508+/-0.007 χ^2/NDF:785262.1/19

+ sign 40.162+/-0.006 χ^2/NDF: 2177133.2/36

All: 40.363+/-0.004 χ^2/NDF: 3995068.8/75

- sign 40.570+/-0.006 χ^2/NDF: 1815703.2/38



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.5/20

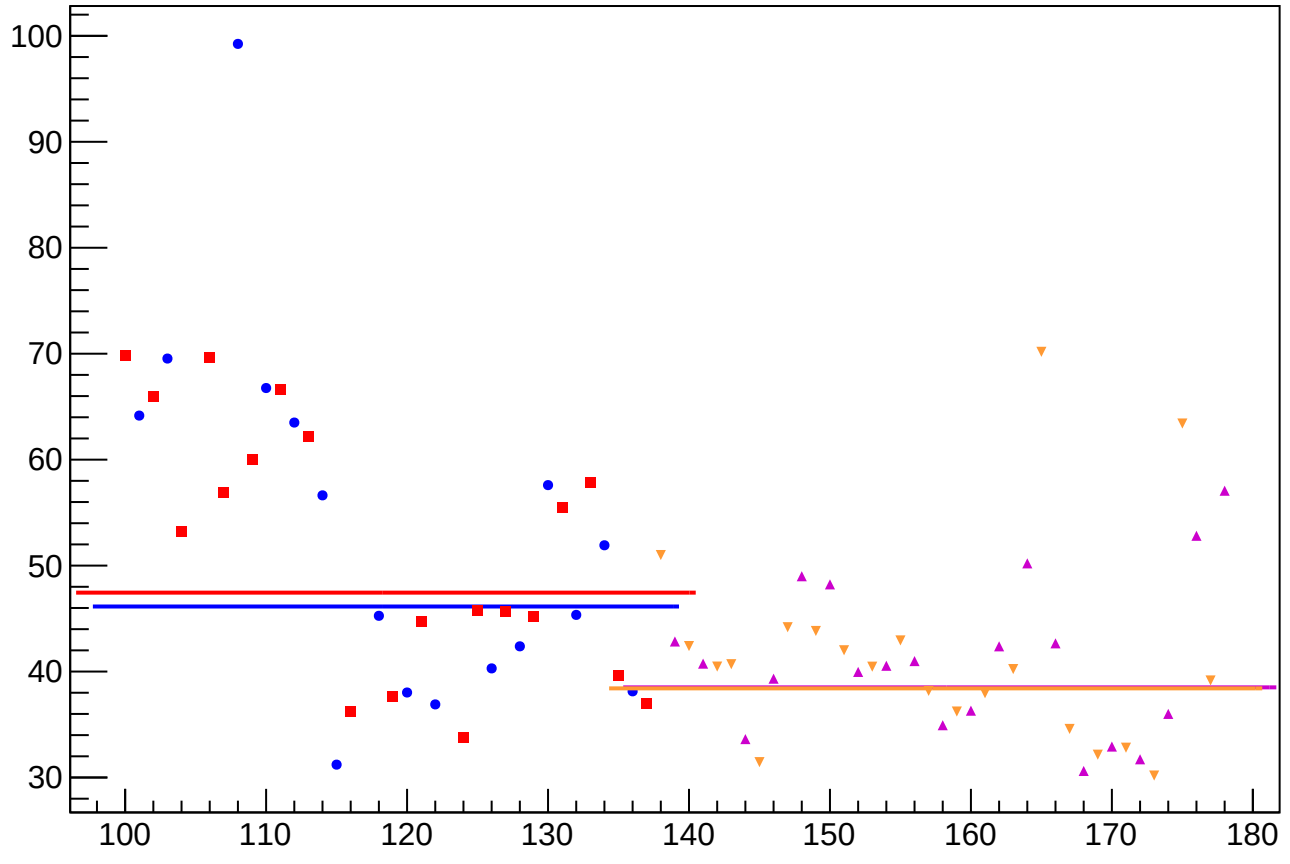
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.007+/-0.010 χ^2/NDF:29.2/19

+ sign 0.002+/-0.009 χ^2/NDF: 45.3/36

All: -0.001+/-0.006 χ^2/NDF: 88.9/75

- sign -0.005+/-0.009 χ^2/NDF: 43.3/38



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 38.413+/-0.007 χ^2/NDF:988518.7/20

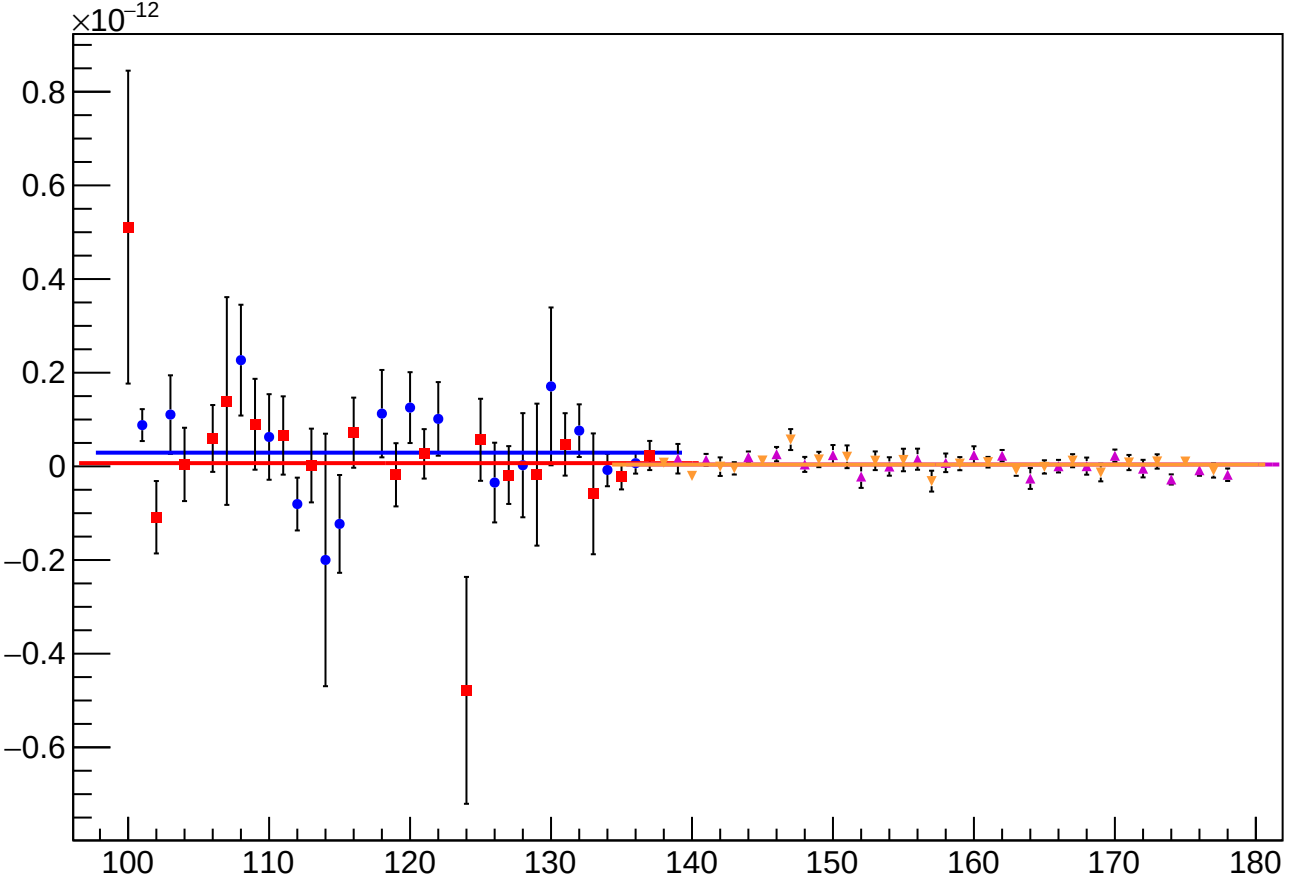
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 38.508+/-0.007 χ^2/NDF:785262.1/19

+ sign 40.162+/-0.006 χ^2/NDF: 2177133.2/36

All: 40.363+/-0.004 χ^2/NDF: 3995068.8/75

- sign 40.570+/-0.006 χ^2/NDF: 1815703.2/38



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.9/20

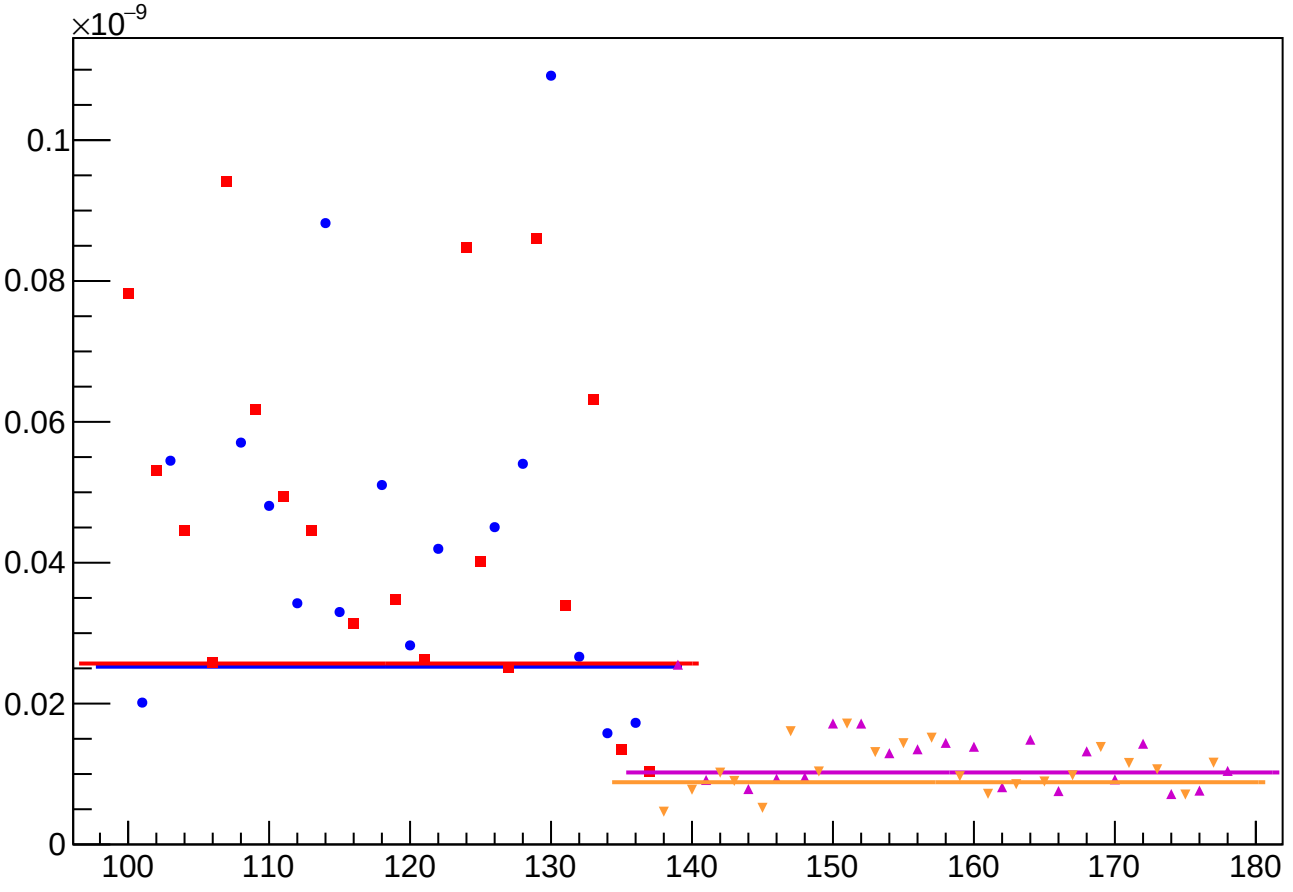
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:27.0/19

+ sign 0.000+/-0.000 χ^2/NDF: 44.2/36

All: 0.000+/-0.000 χ^2/NDF: 85.5/75

- sign 0.000+/-0.000 χ^2/NDF: 41.3/38



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1925714.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

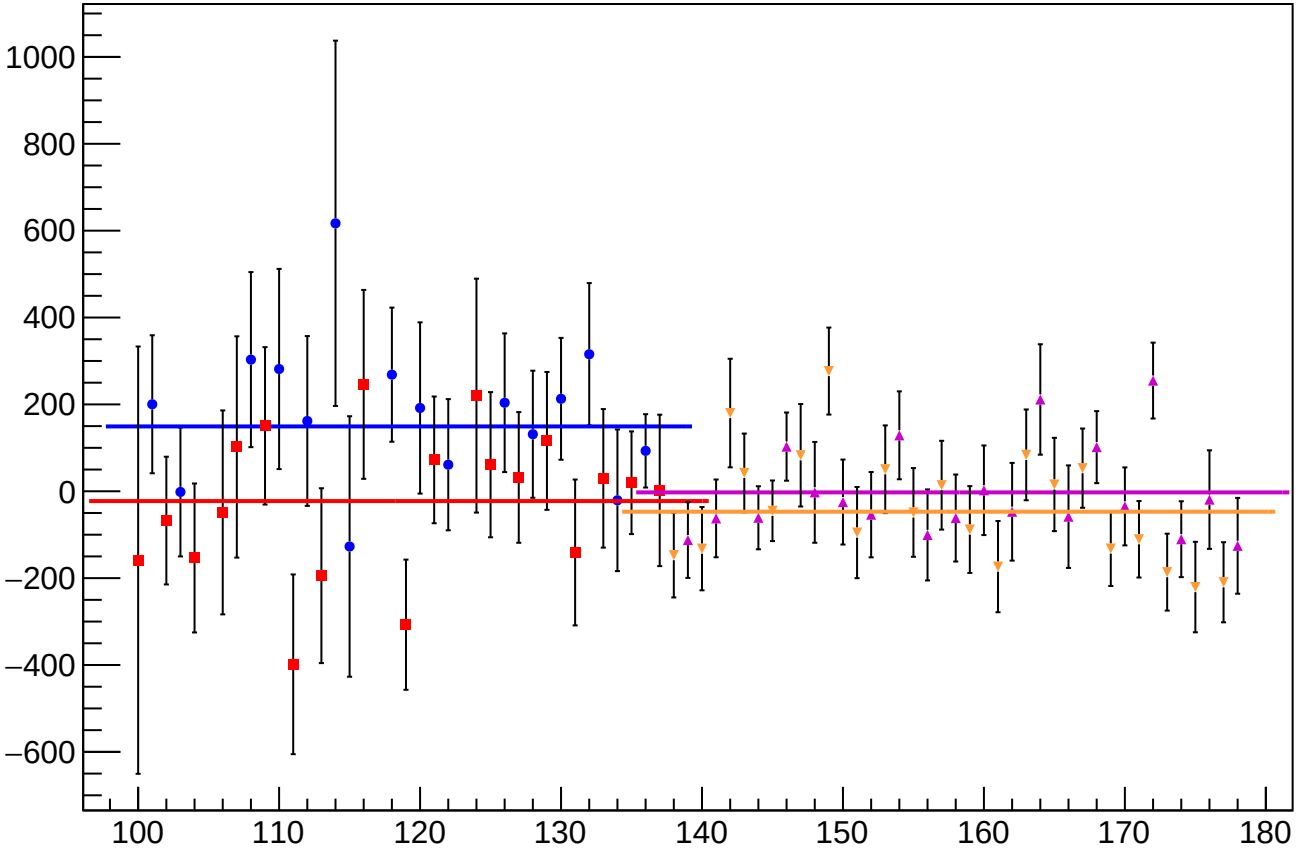
Left In: 0.000+/-0.000 χ^2/NDF:1829989.6/19

+ sign 0.000+/-0.000 χ^2/NDF: 6846936.5/36

All: 0.000+/-0.000 χ^2/NDF: 13872385.0/75

- sign 0.000+/-0.000 χ^2/NDF: 6818093.0/38

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: -47.053+/-21.094 χ^2/NDF:33.9/20

Right Out: -22.549+/-40.100 χ^2/NDF: 14.2/18

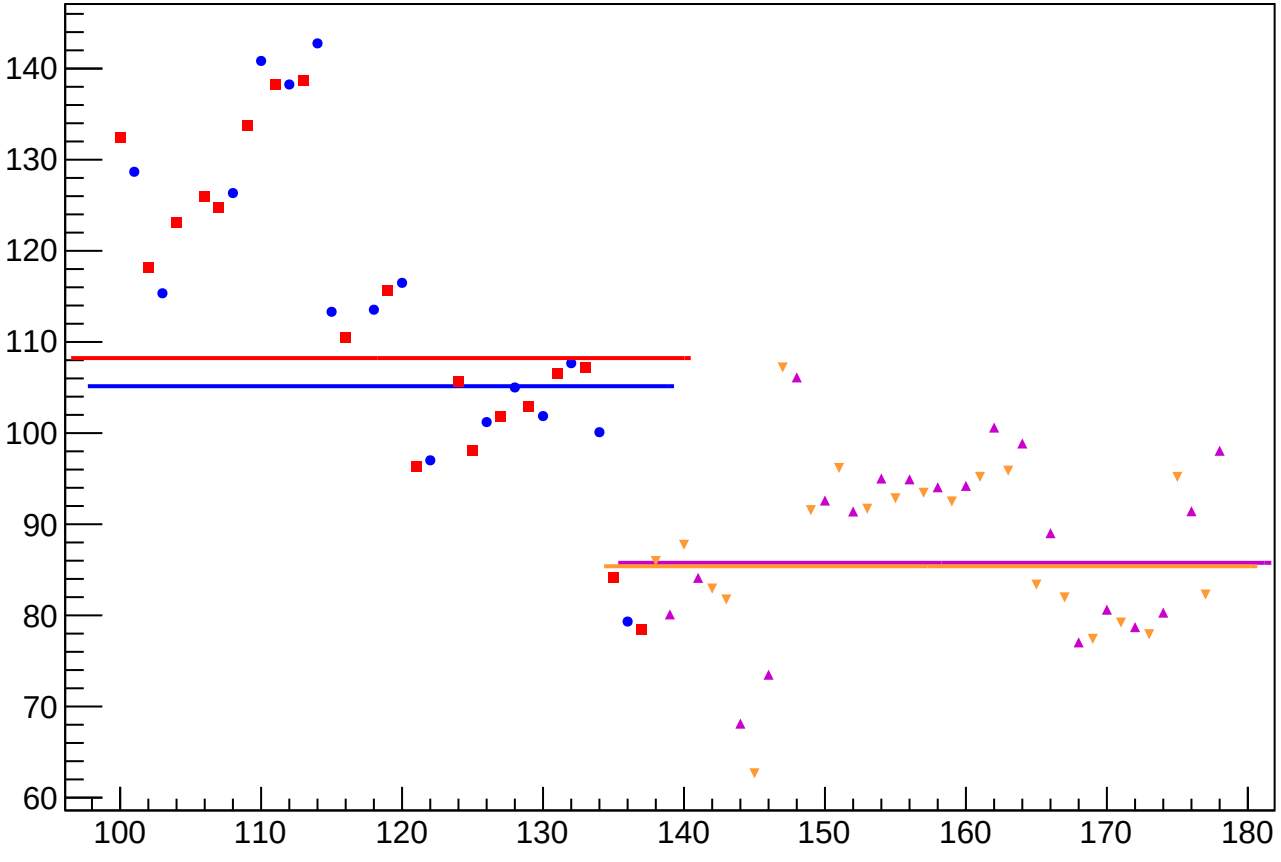
Left In: -2.565+/-21.431 χ^2/NDF:24.1/19

+ sign -3.802+/-18.626 χ^2/NDF: 61.0/36

All: -5.380+/-13.267 χ^2/NDF: 99.5/75

- sign -7.005+/-18.901 χ^2/NDF: 38.5/38

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 85.391+/-0.015 χ^2/NDF:457747.0/20

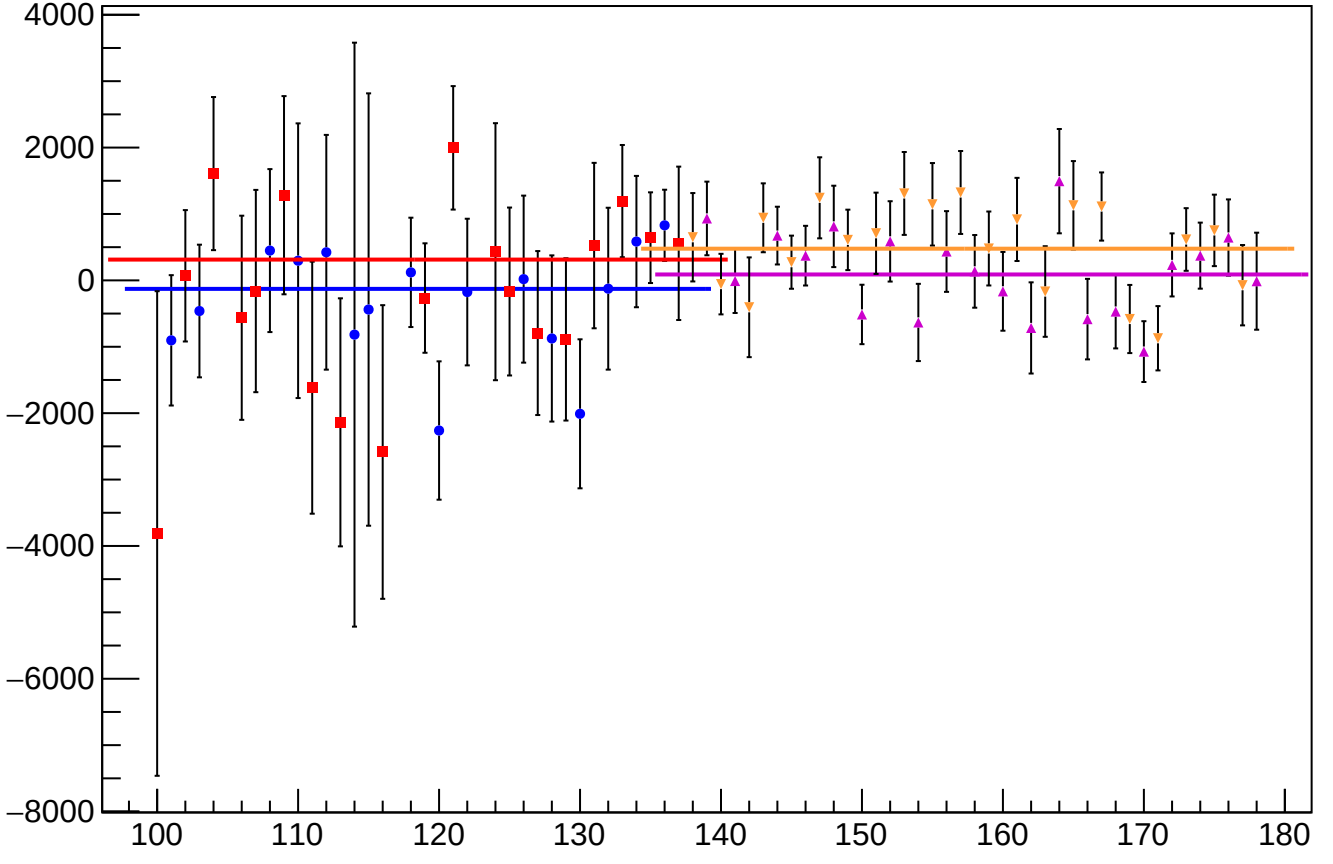
Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 85.765+/-0.015 χ^2/NDF:450046.2/19

+ sign 89.743+/-0.013 χ^2/NDF: 1252547.0/36

All: 90.242+/-0.009 χ^2/NDF: 2543798.0/75

- sign 90.757+/-0.013 χ^2/NDF: 1288330.4/38



Right In: -128.056+/-268.611 χ^2/NDF: 12.3/15

Left Out: 477.192+/-120.033 χ^2/NDF:27.5/20

Right Out: 313.031+/-270.131 χ^2/NDF: 15.0/18

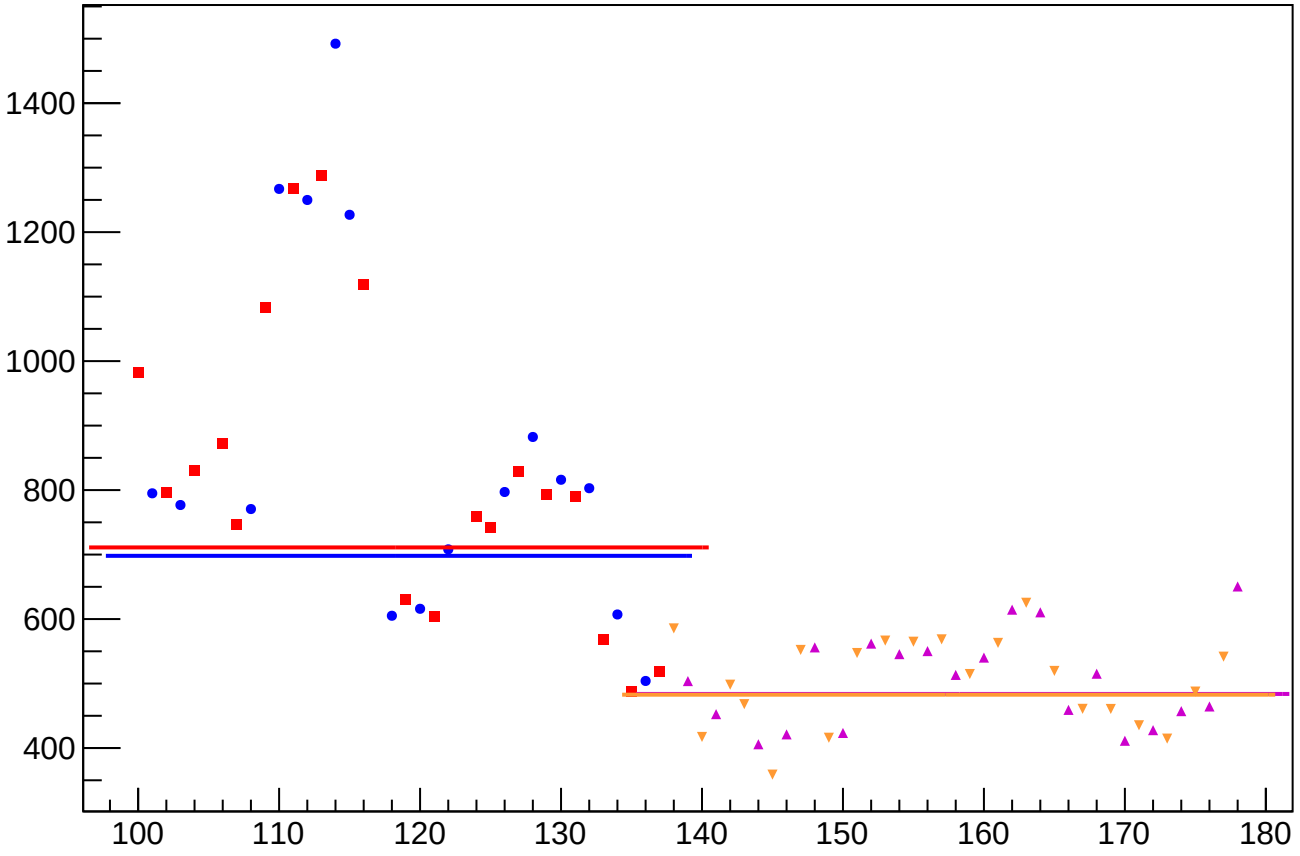
Left In: 88.918+/-121.363 χ^2/NDF:25.1/19

+ sign 376.449+/-109.589 χ^2/NDF: 44.1/36

All: 252.768+/-77.882 χ^2/NDF: 87.3/75

- sign 126.558+/-110.704 χ^2/NDF: 40.7/38

asym_sam_26_48_dd_reg_correction_rms vs Slug



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 482.716+/-0.085 χ^2/NDF:703710.4/20

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

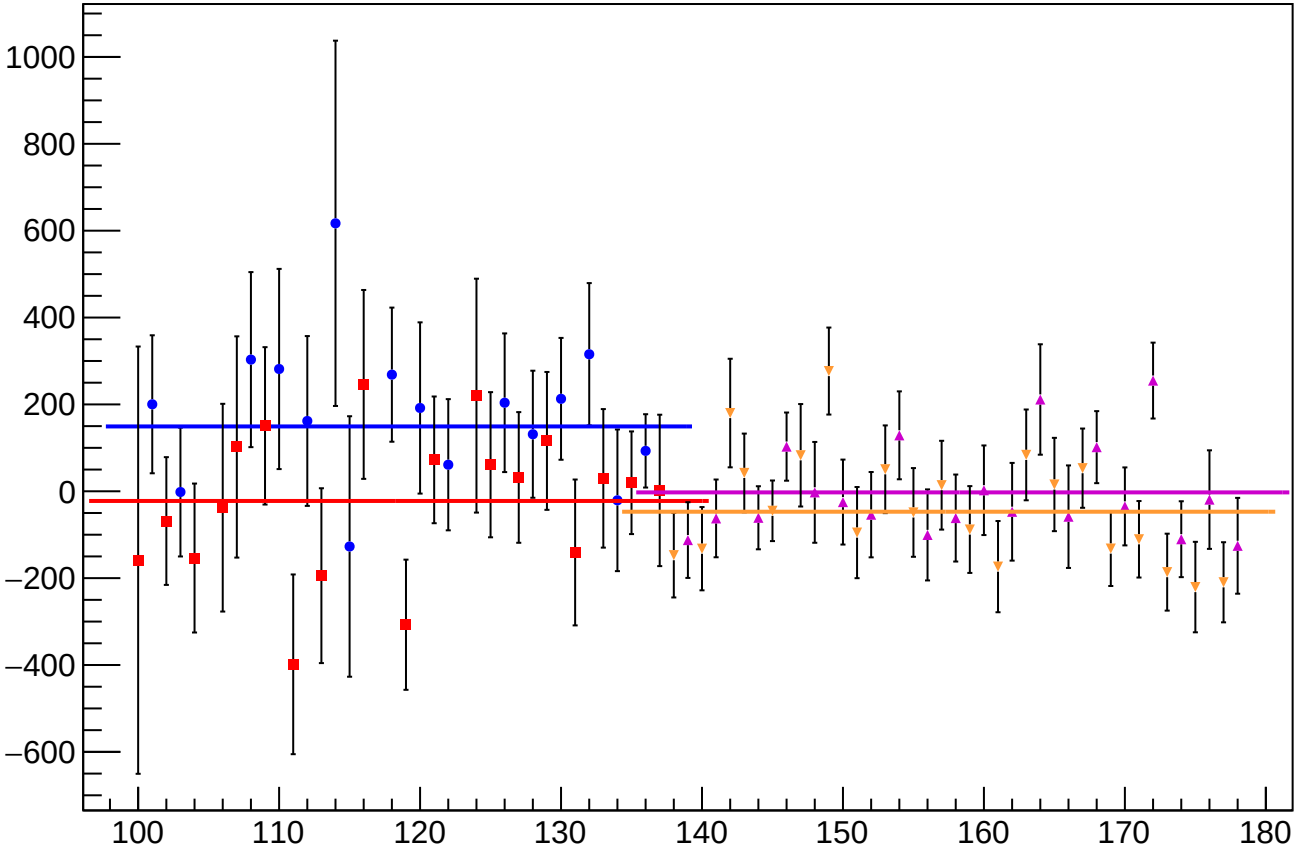
Left In: 483.869+/-0.086 χ^2/NDF:606634.6/19

\+ sign 518.559+/-0.077 χ^2/NDF: 2687976.8/36

All: 520.277+/-0.055 χ^2/NDF: 5508109.8/75

\- sign 522.030+/-0.078 χ^2/NDF: 2819139.9/38

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -47.057+/-21.094 χ^2/NDF:33.9/20

Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

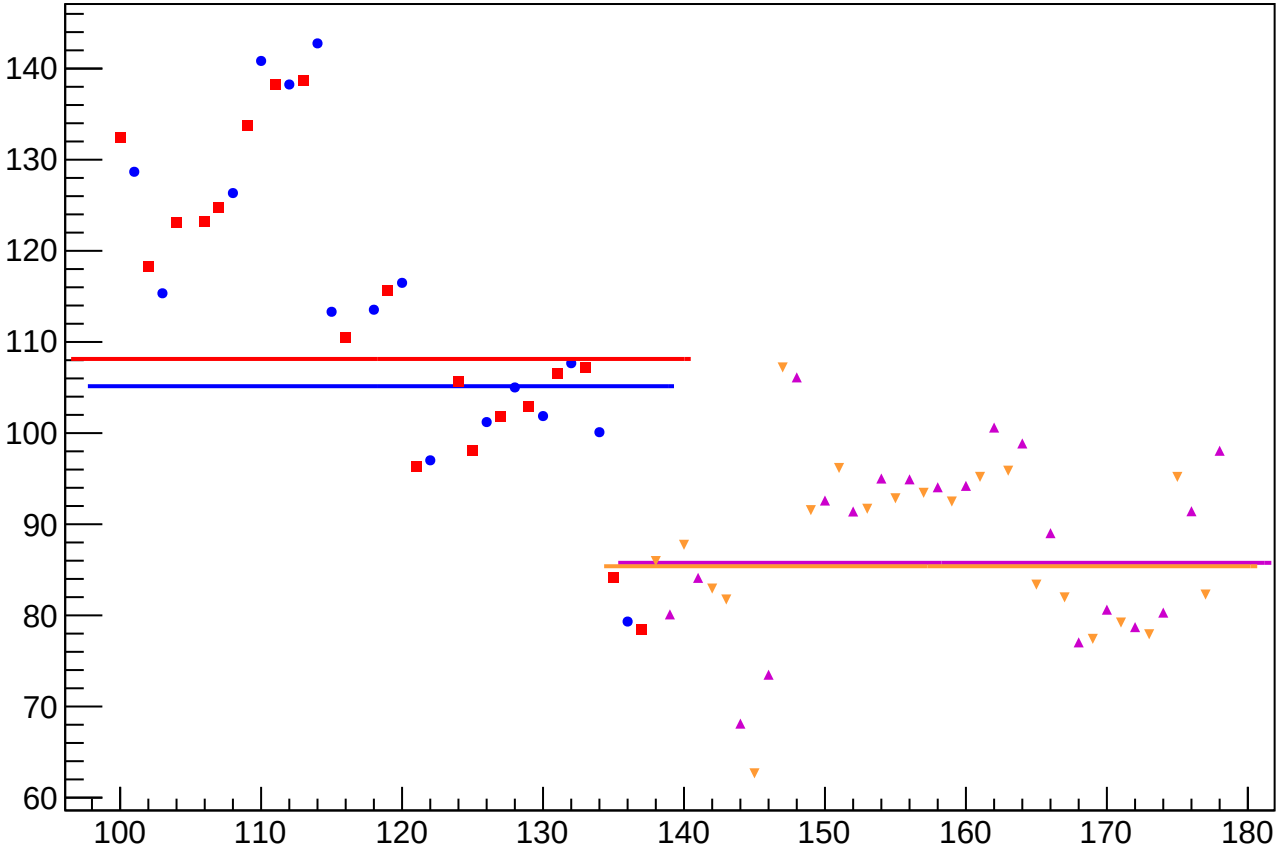
Left In: -2.564+/-21.431 χ^2/NDF:24.1/19

+ sign -3.807+/-18.626 χ^2/NDF: 61.0/36

All: -5.352+/-13.268 χ^2/NDF: 99.5/75

- sign -6.944+/-18.903 χ^2/NDF: 38.5/38

cor_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 85.391+/-0.015 χ^2/NDF:457746.9/20

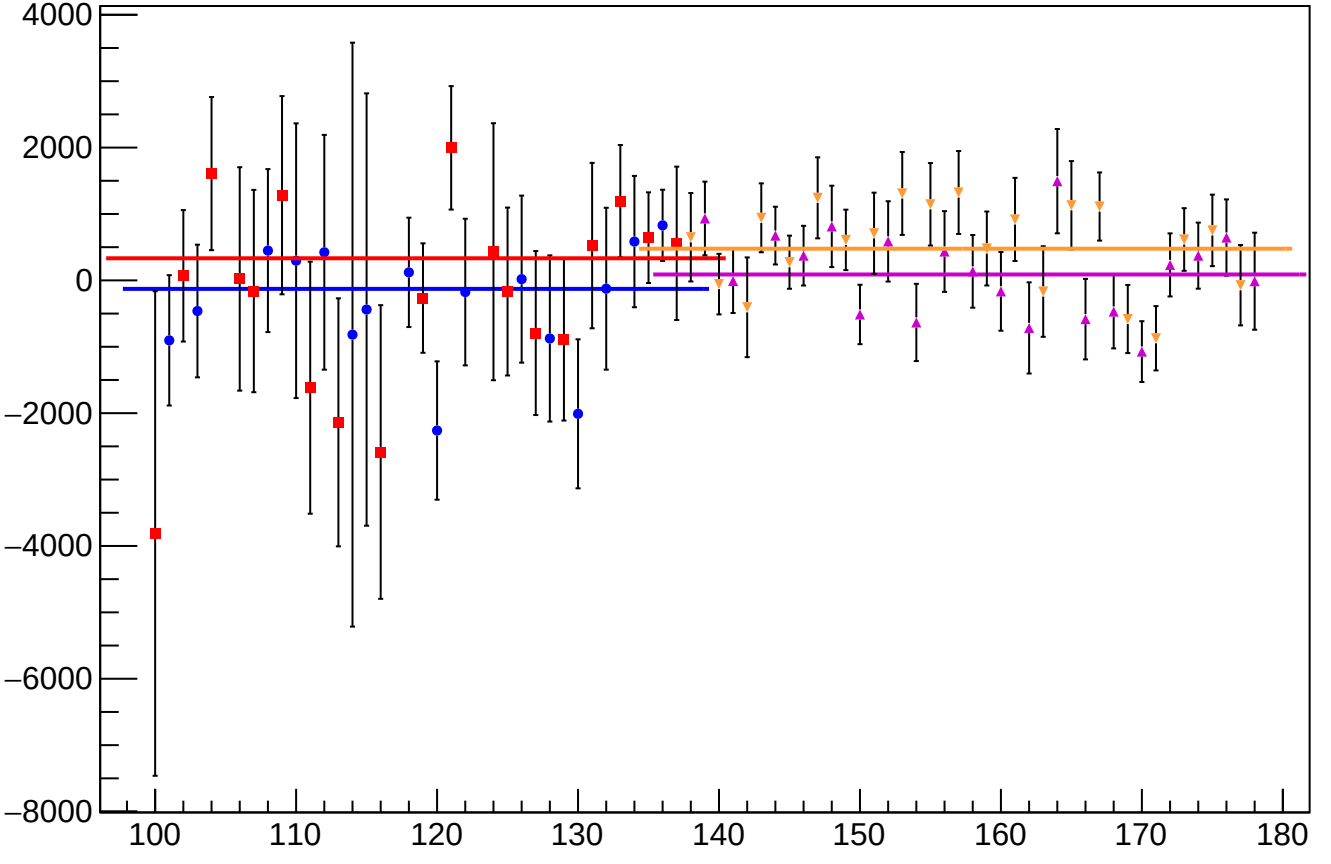
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 85.765+/-0.015 χ^2/NDF:450046.3/19

+ sign 89.743+/-0.013 χ^2/NDF: 1252547.4/36

All: 90.230+/-0.009 χ^2/NDF: 2535442.0/75

- sign 90.731+/-0.013 χ^2/NDF: 1280120.4/38



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 477.191+/-120.033 χ^2/NDF:27.5/20

Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

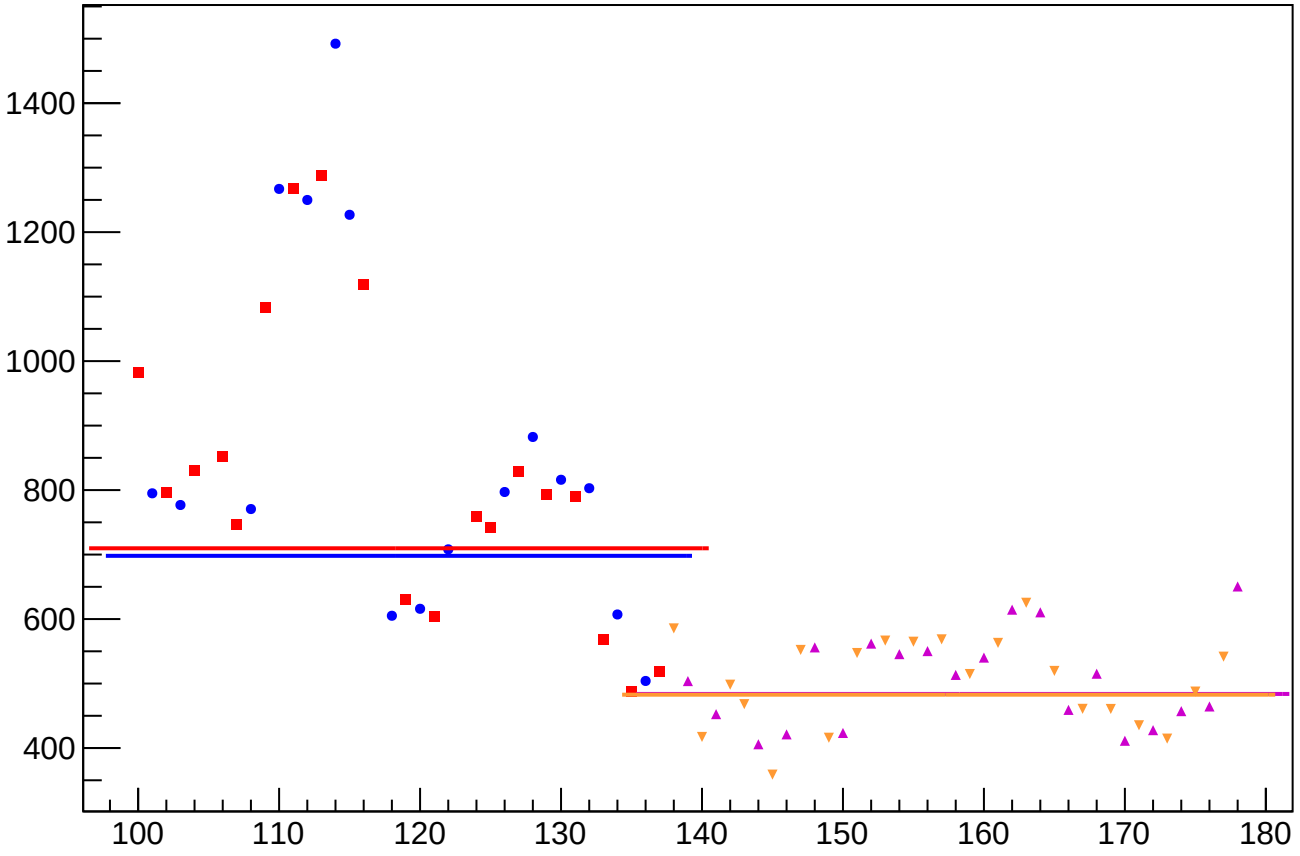
Left In: 88.919+/-121.363 χ^2/NDF:25.1/19

+ sign 376.450+/-109.589 χ^2/NDF: 44.1/36

All: 254.367+/-77.899 χ^2/NDF: 87.1/75

- sign 129.678+/-110.752 χ^2/NDF: 40.5/38

asym_sam_26_48_dd_cor_correction_rms vs Slug



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 482.716+/-0.085 χ^2/NDF:703708.0/20

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

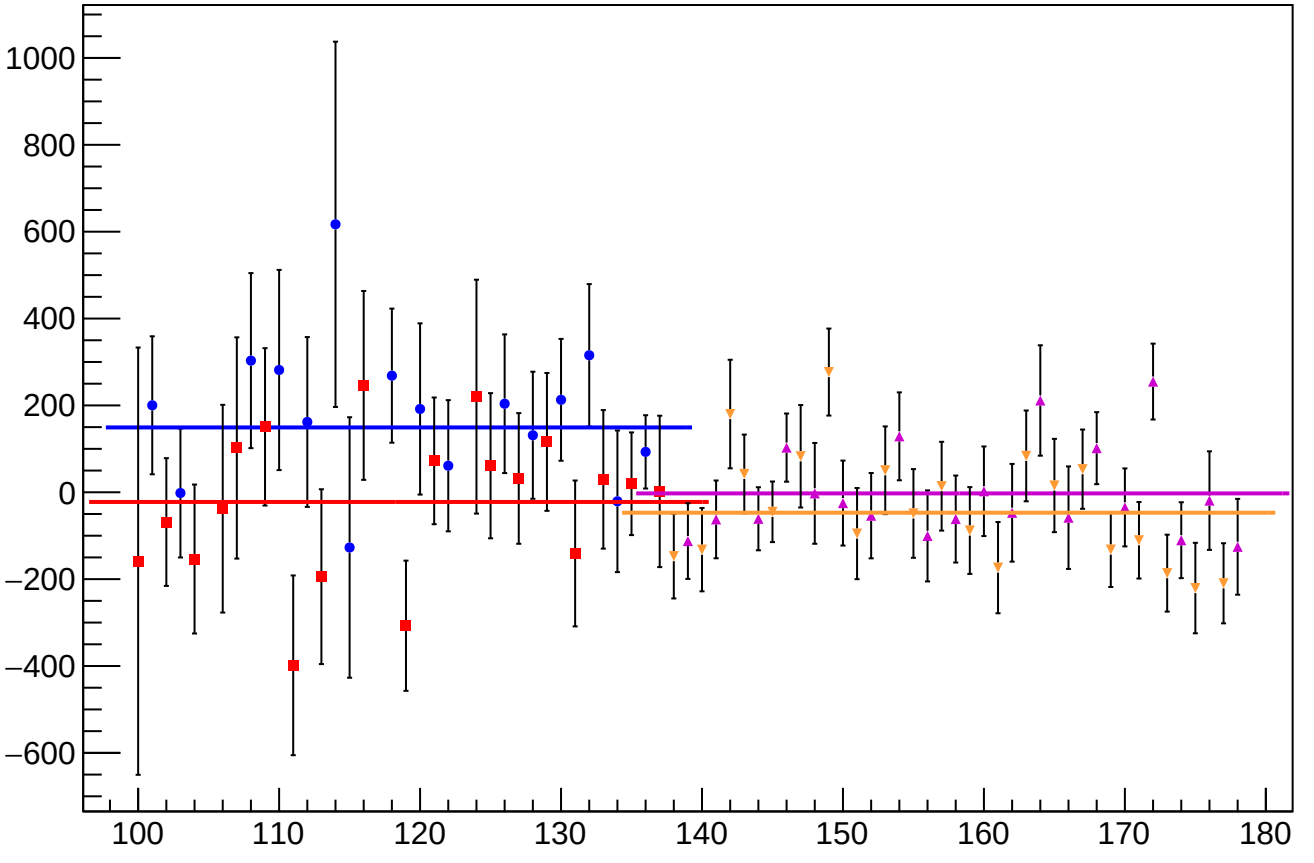
Left In: 483.869+/-0.086 χ^2/NDF:606638.5/19

+ sign 518.559+/-0.077 χ^2/NDF: 2687985.9/36

All: 520.084+/-0.055 χ^2/NDF: 5481034.9/75

- sign 521.641+/-0.078 χ^2/NDF: 2792266.5/38

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -47.057+/-21.094 χ^2/NDF:33.9/20

Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

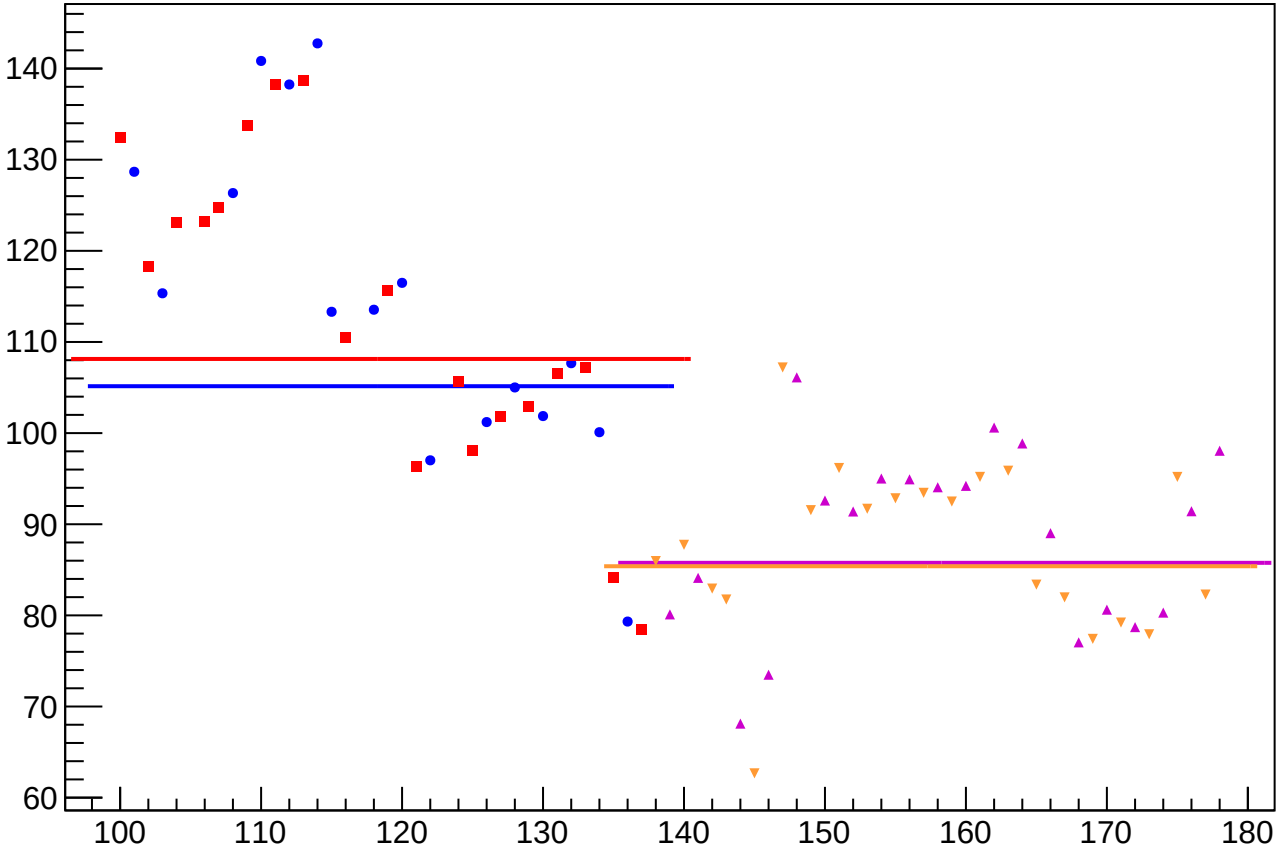
Left In: -2.564+/-21.431 χ^2/NDF:24.1/19

+ sign -3.807+/-18.626 χ^2/NDF: 61.0/36

All: -5.352+/-13.268 χ^2/NDF: 99.5/75

- sign -6.944+/-18.903 χ^2/NDF: 38.5/38

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 85.391+/-0.015 χ^2/NDF:457746.9/20

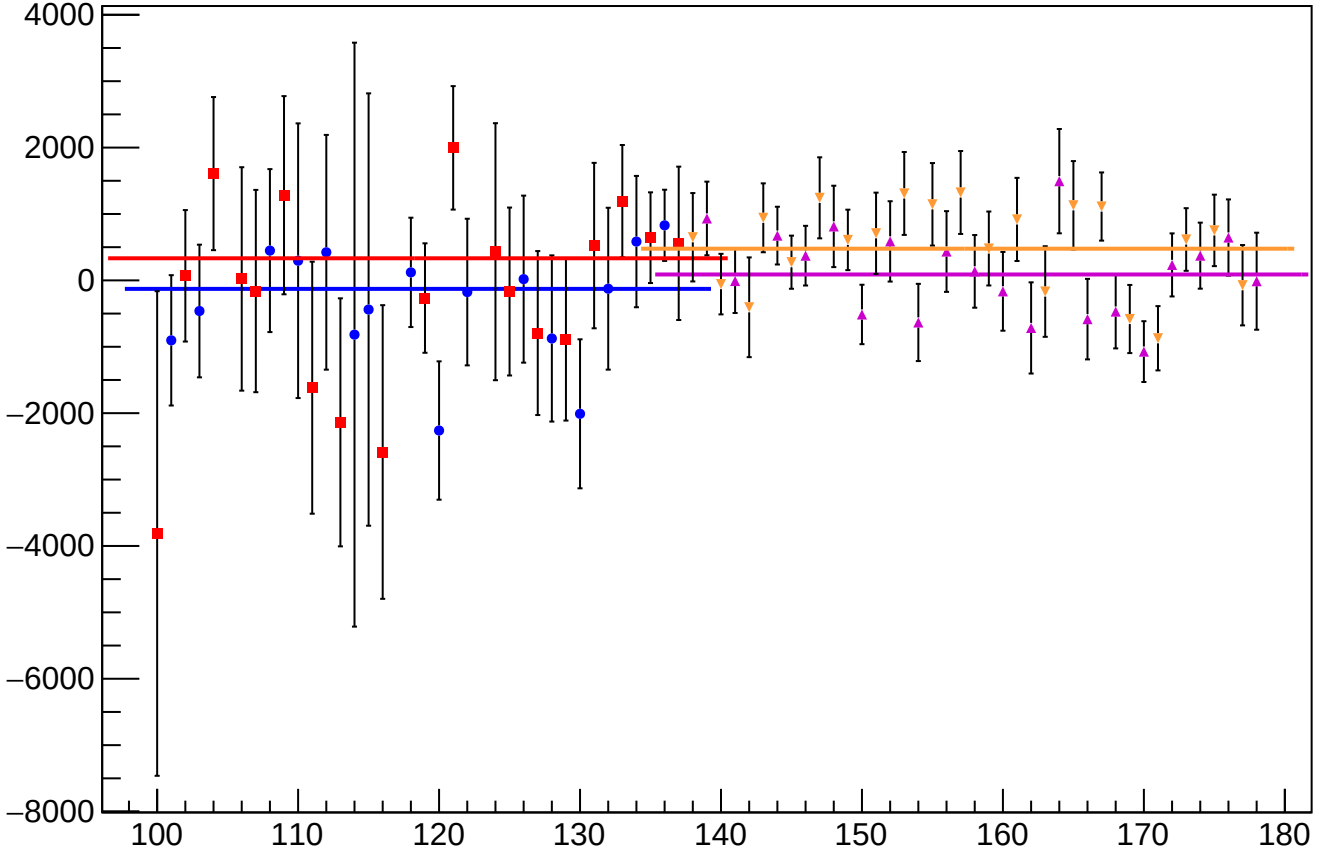
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 85.765+/-0.015 χ^2/NDF:450046.3/19

+ sign 89.743+/-0.013 χ^2/NDF: 1252547.4/36

All: 90.230+/-0.009 χ^2/NDF: 2535442.0/75

- sign 90.731+/-0.013 χ^2/NDF: 1280120.4/38



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 477.191+/-120.033 χ^2/NDF:27.5/20

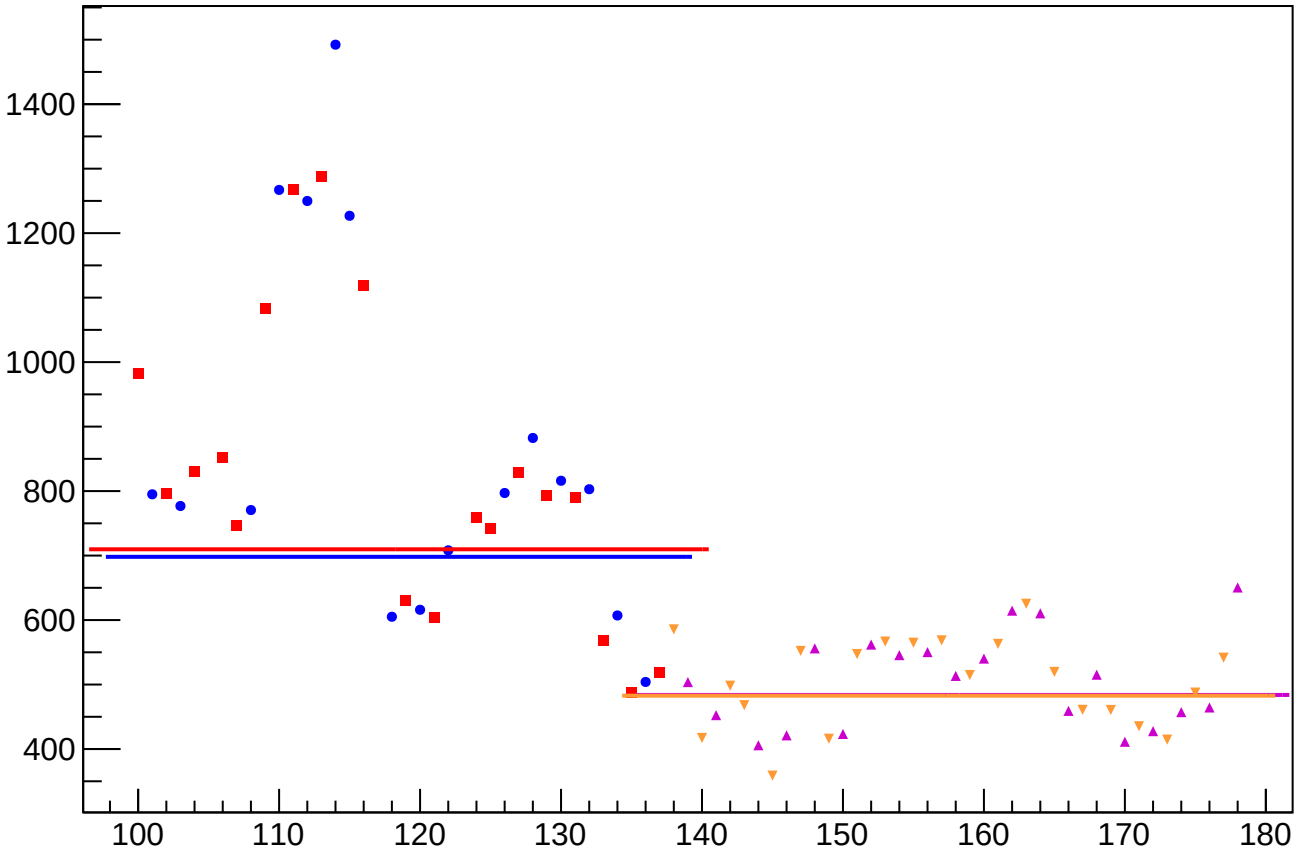
Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: 88.919+/-121.363 χ^2/NDF:25.1/19

+ sign 376.450+/-109.589 χ^2/NDF: 44.1/36

All: 254.367+/-77.899 χ^2/NDF: 87.1/75

- sign 129.678+/-110.752 χ^2/NDF: 40.5/38



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 482.716+/-0.085 χ^2/NDF:703708.0/20

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

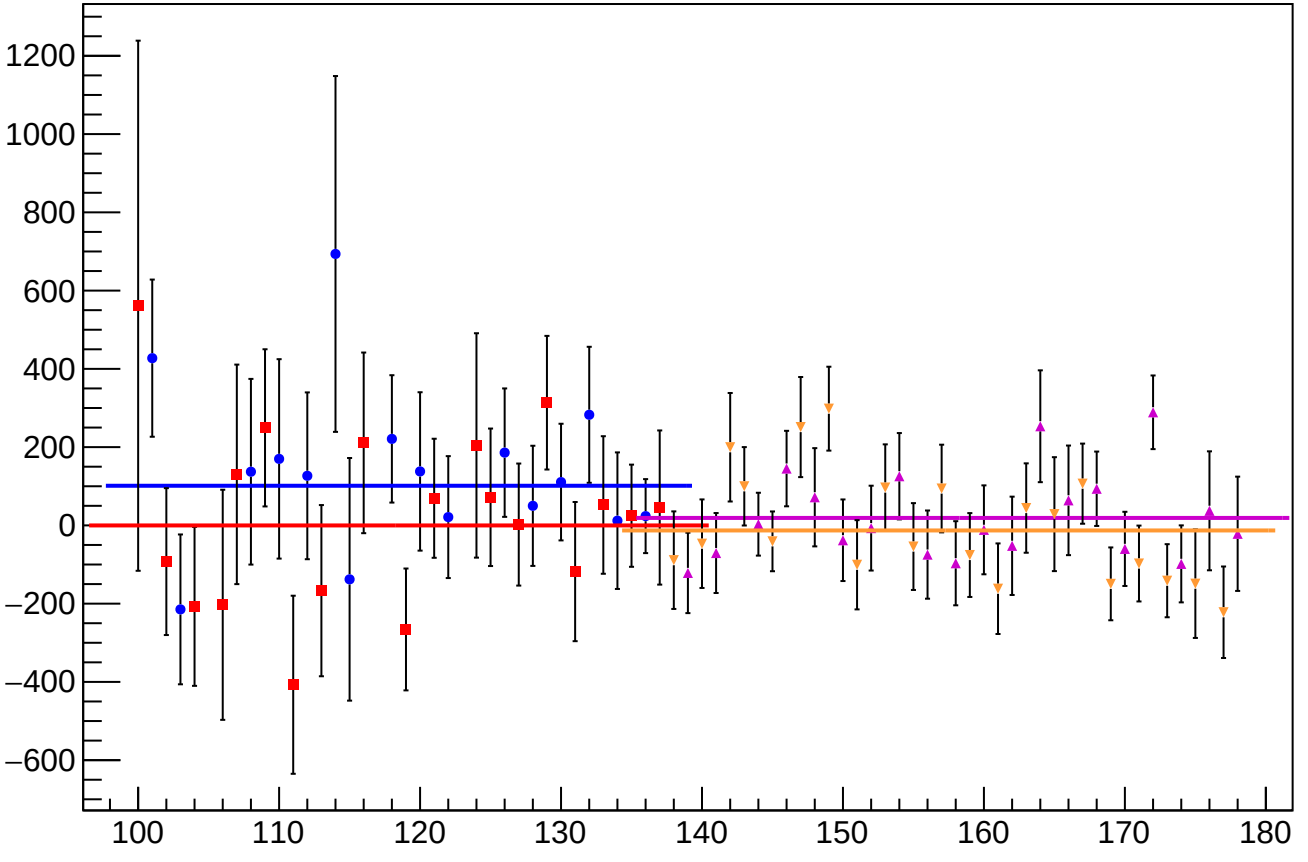
Left In: 483.869+/-0.086 χ^2/NDF:606638.5/19

+ sign 518.559+/-0.077 χ^2/NDF: 2687985.9/36

All: 520.084+/-0.055 χ^2/NDF: 5481034.9/75

- sign 521.641+/-0.078 χ^2/NDF: 2792266.5/38

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: -12.938+/-23.728 χ^2/NDF:32.2/20

Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

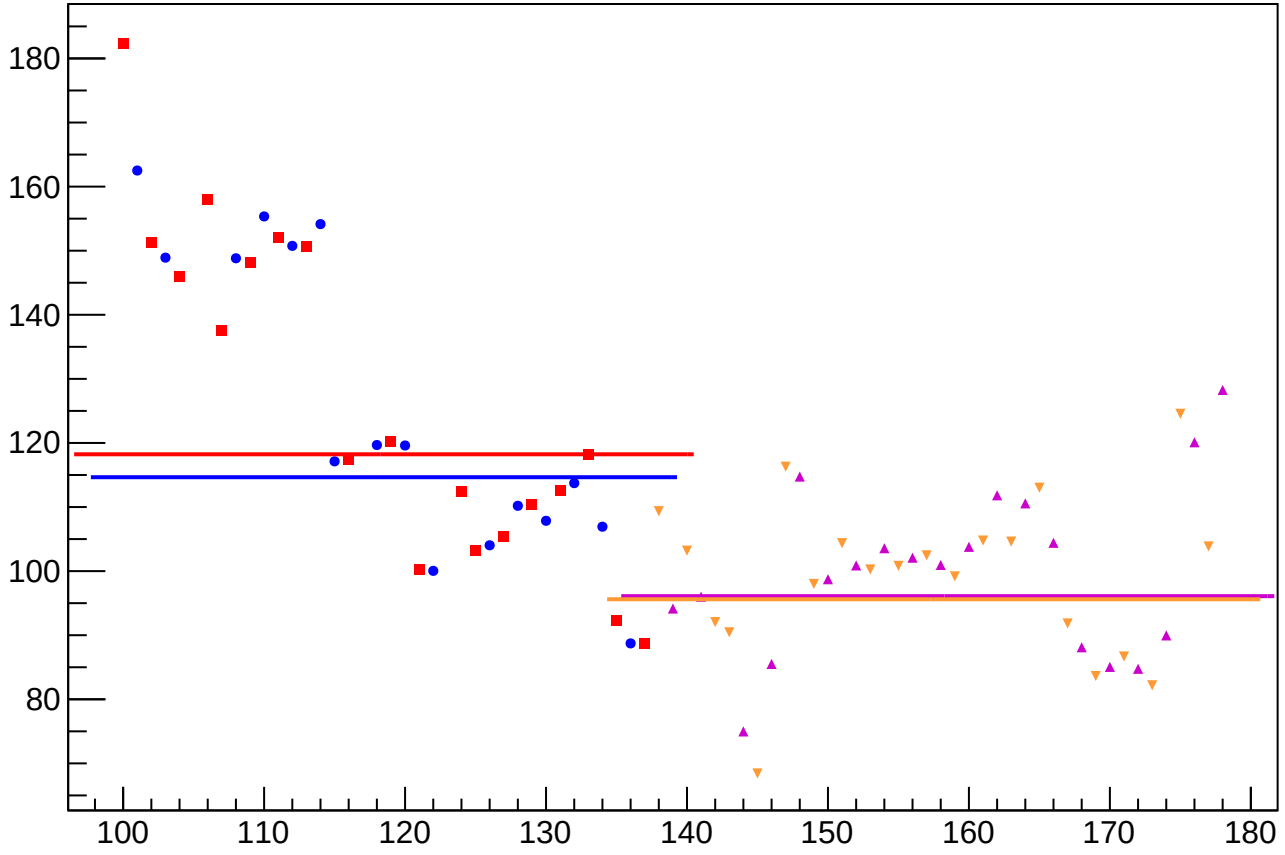
Left In: 19.062+/-24.181 χ^2/NDF:21.9/19

+ sign 13.245+/-20.832 χ^2/NDF: 48.5/36

All: 13.919+/-14.857 χ^2/NDF: 87.2/75

- sign 14.617+/-21.196 χ^2/NDF: 38.7/38

dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 95.609+/-0.017 χ^2/NDF:620648.5/20

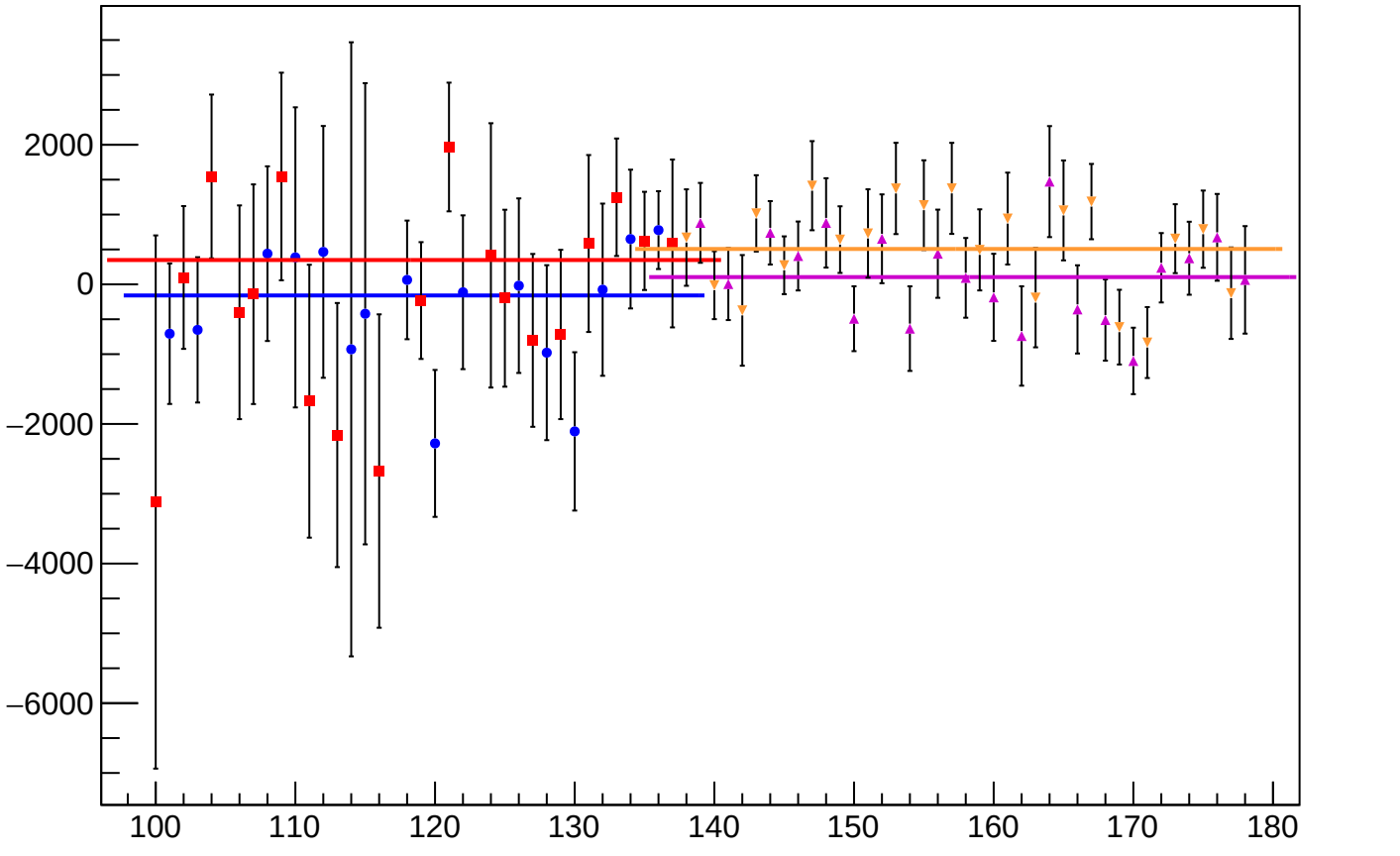
Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 96.092+/-0.017 χ^2/NDF:524384.7/19

+ sign 99.975+/-0.015 χ^2/NDF: 1448006.0/36

All: 100.587+/-0.011 χ^2/NDF: 2847701.3/75

- sign 101.221+/-0.015 χ^2/NDF: 1396175.5/38



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 506.943+/-125.735 χ^2/NDF:26.5/20

Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

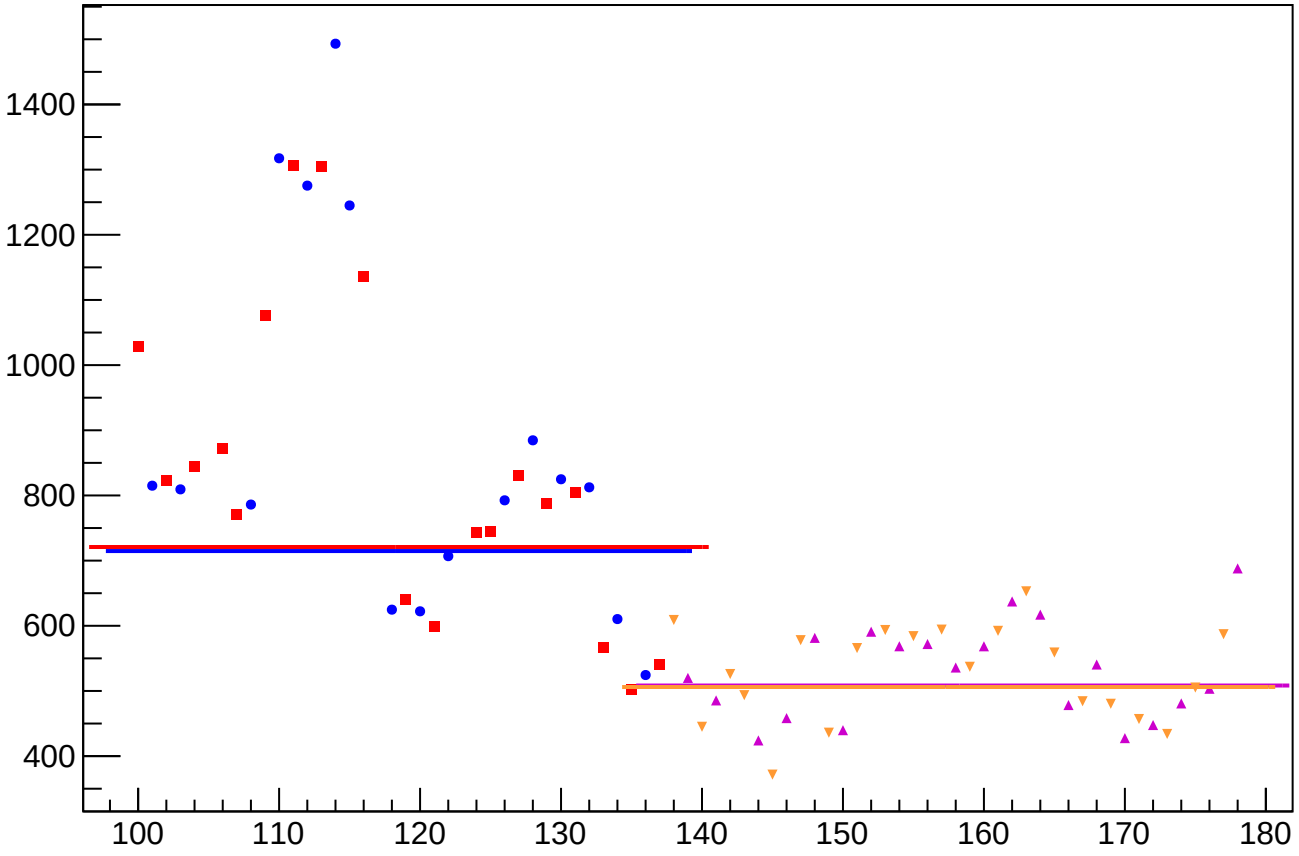
Left In: 104.187+/-127.449 χ^2/NDF:23.6/19

+ sign 391.473+/-114.318 χ^2/NDF: 43.3/36

All: 270.898+/-81.260 χ^2/NDF: 84.2/75

- sign 147.755+/-115.529 χ^2/NDF: 38.6/38

asym_sam_26_48_dd_dit_correction_rms vs Slug



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 506.047+/-0.089 χ^2/NDF:712986.0/20

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

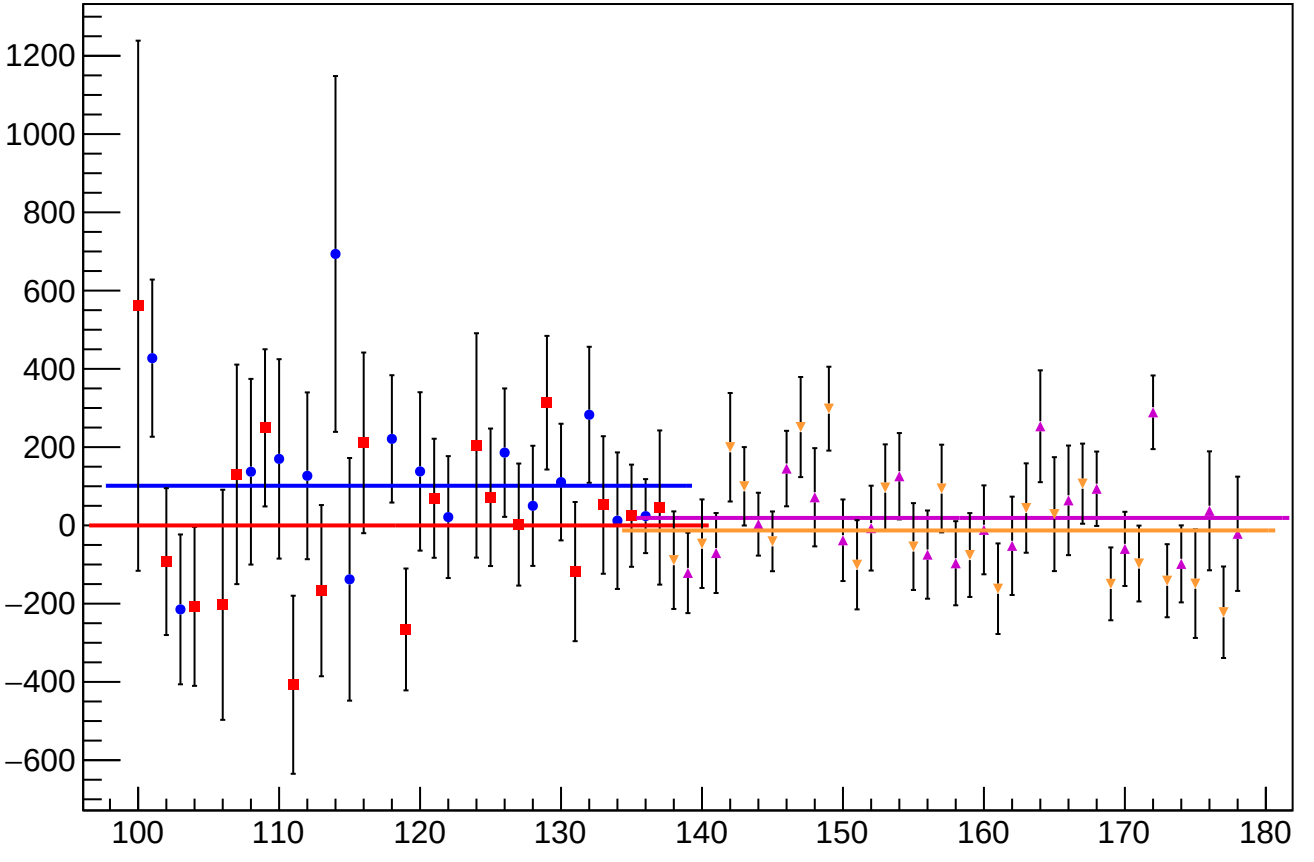
Left In: 508.342+/-0.090 χ^2/NDF:576371.7/19

+ sign 542.214+/-0.081 χ^2/NDF: 2543725.5/36

All: 544.206+/-0.057 χ^2/NDF: 5131538.5/75

- sign 546.240+/-0.082 χ^2/NDF: 2586586.0/38

eigen_dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: -12.940+/-23.728 χ^2/NDF:32.2/20

Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

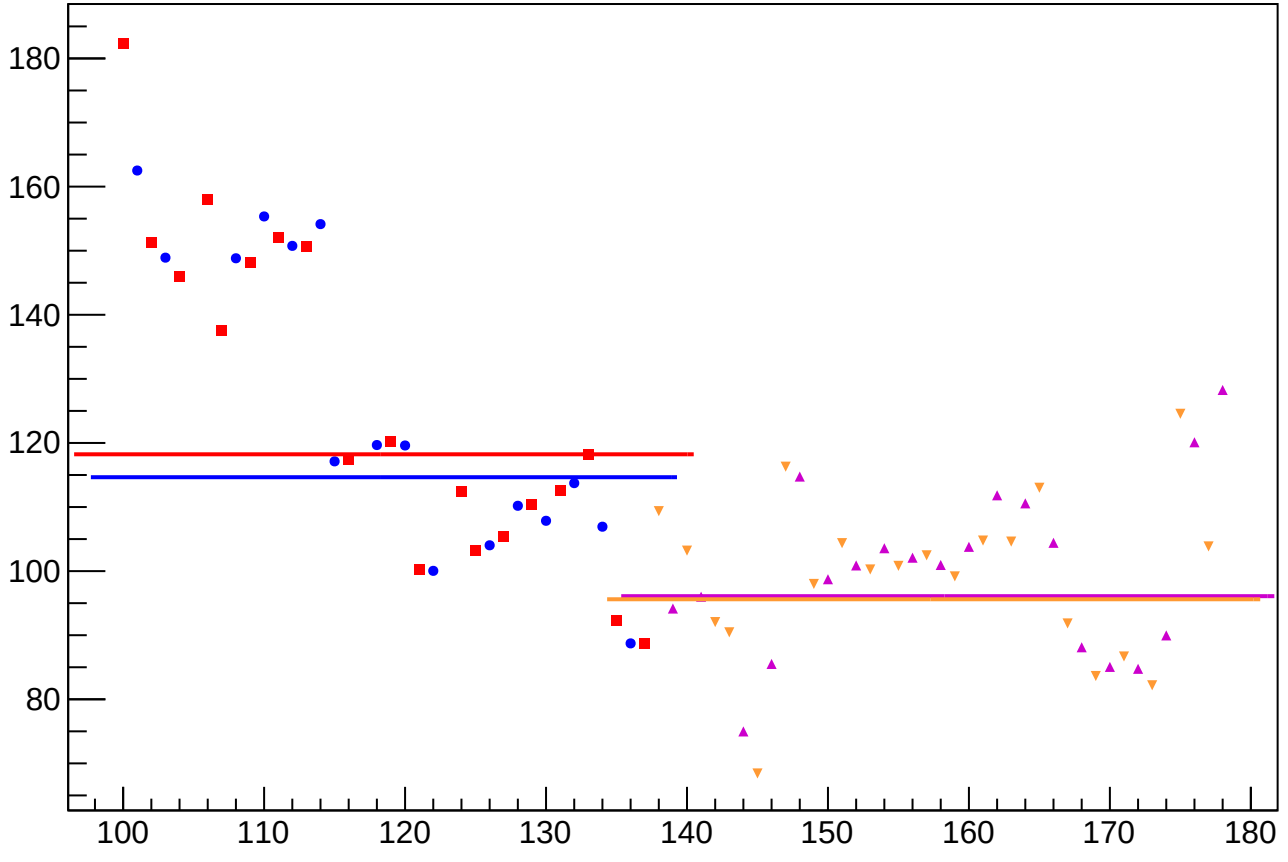
Left In: 19.062+/-24.181 χ^2/NDF:21.9/19

+ sign 13.243+/-20.832 χ^2/NDF: 48.5/36

All: 13.918+/-14.857 χ^2/NDF: 87.2/75

- sign 14.617+/-21.196 χ^2/NDF: 38.7/38

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 95.609+/-0.017 χ^2/NDF:620653.1/20

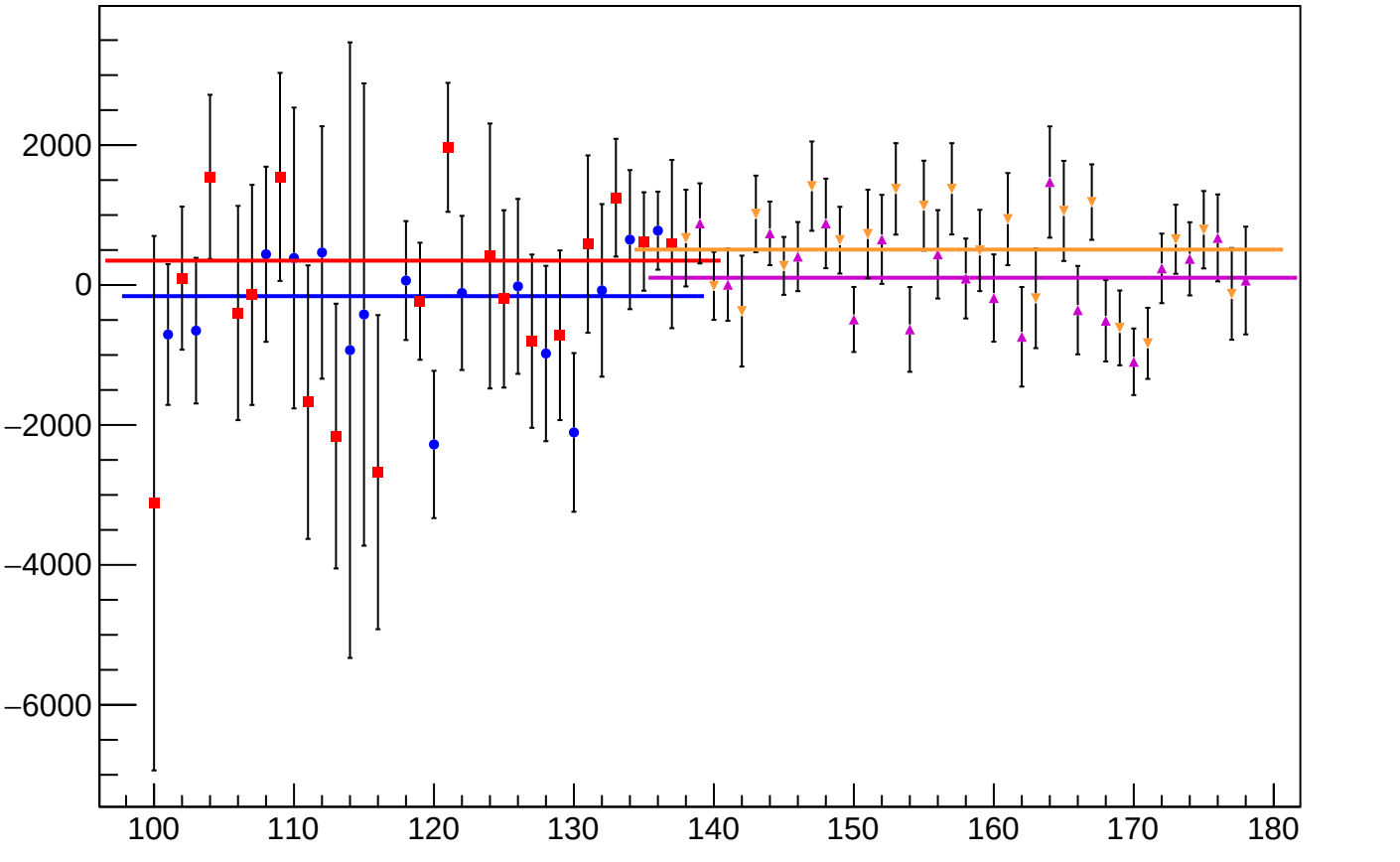
Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 96.092+/-0.017 χ^2/NDF:524378.0/19

+ sign 99.975+/-0.015 χ^2/NDF: 1448003.4/36

All: 100.587+/-0.011 χ^2/NDF: 2847685.6/75

- sign 101.221+/-0.015 χ^2/NDF: 1396162.4/38



Right In: -159.112+/-274.558 χ^2/NDF: 12.0/15

Left Out: 506.942+/-125.735 χ^2/NDF:26.5/20

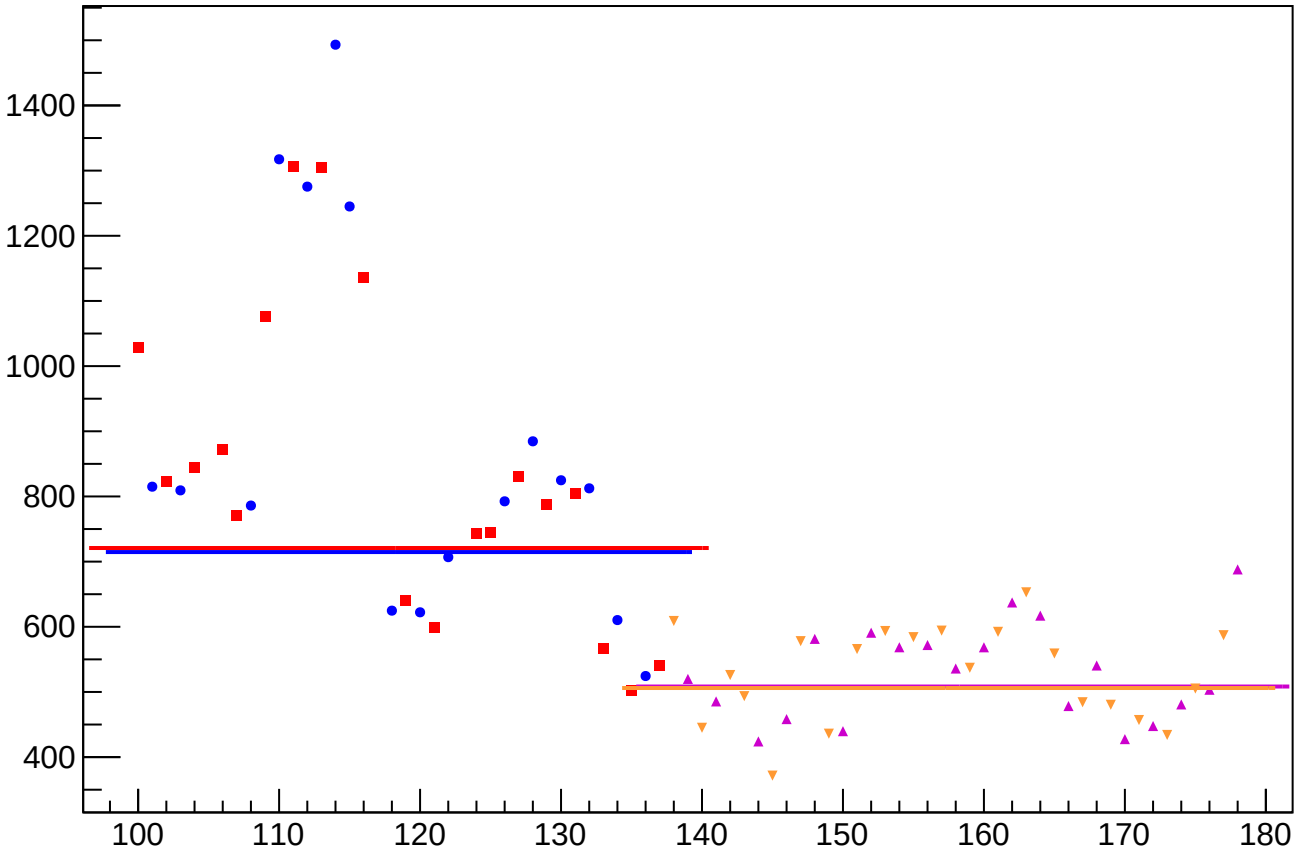
Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: 104.187+/-127.449 χ^2/NDF:23.6/19

+ sign 391.471+/-114.318 χ^2/NDF: 43.3/36

All: 270.897+/-81.260 χ^2/NDF: 84.2/75

- sign 147.755+/-115.529 χ^2/NDF: 38.6/38



Right In: 714.666+/-0.194 χ^2/NDF: 876211.4/15

Left Out: 506.047+/-0.089 χ^2/NDF:712986.3/20

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

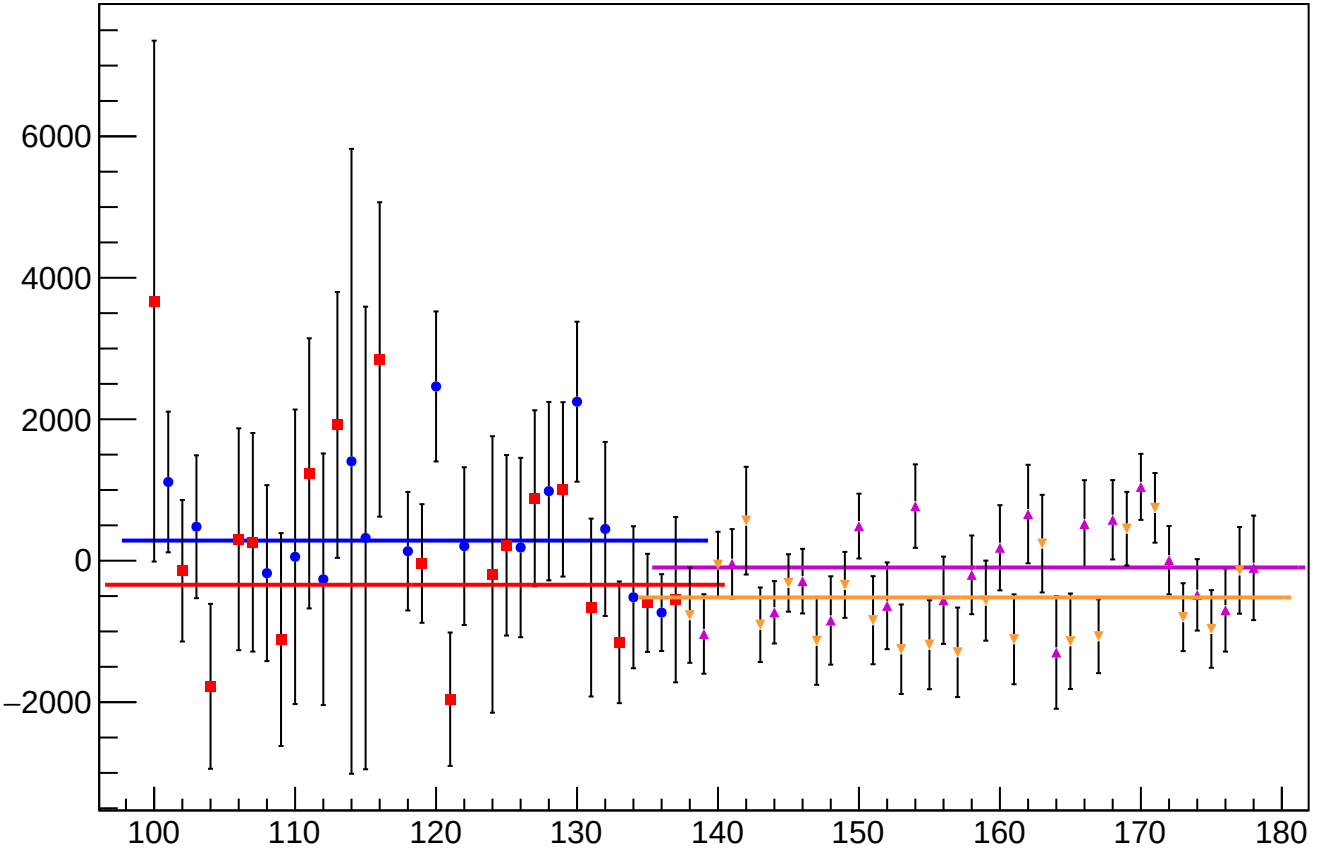
Left In: 508.342+/-0.090 χ^2/NDF:576370.0/19

+ sign 542.214+/-0.081 χ^2/NDF: 2543722.4/36

All: 544.206+/-0.057 χ^2/NDF: 5131527.1/75

- sign 546.240+/-0.082 χ^2/NDF: 2586577.6/38

asym_sam_26_48_dd_mean vs Slug



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -519.254+/-122.008 χ^2/NDF:24.8/20

Right Out: -340.018+/-273.601 χ^2/NDF: 14.1/18

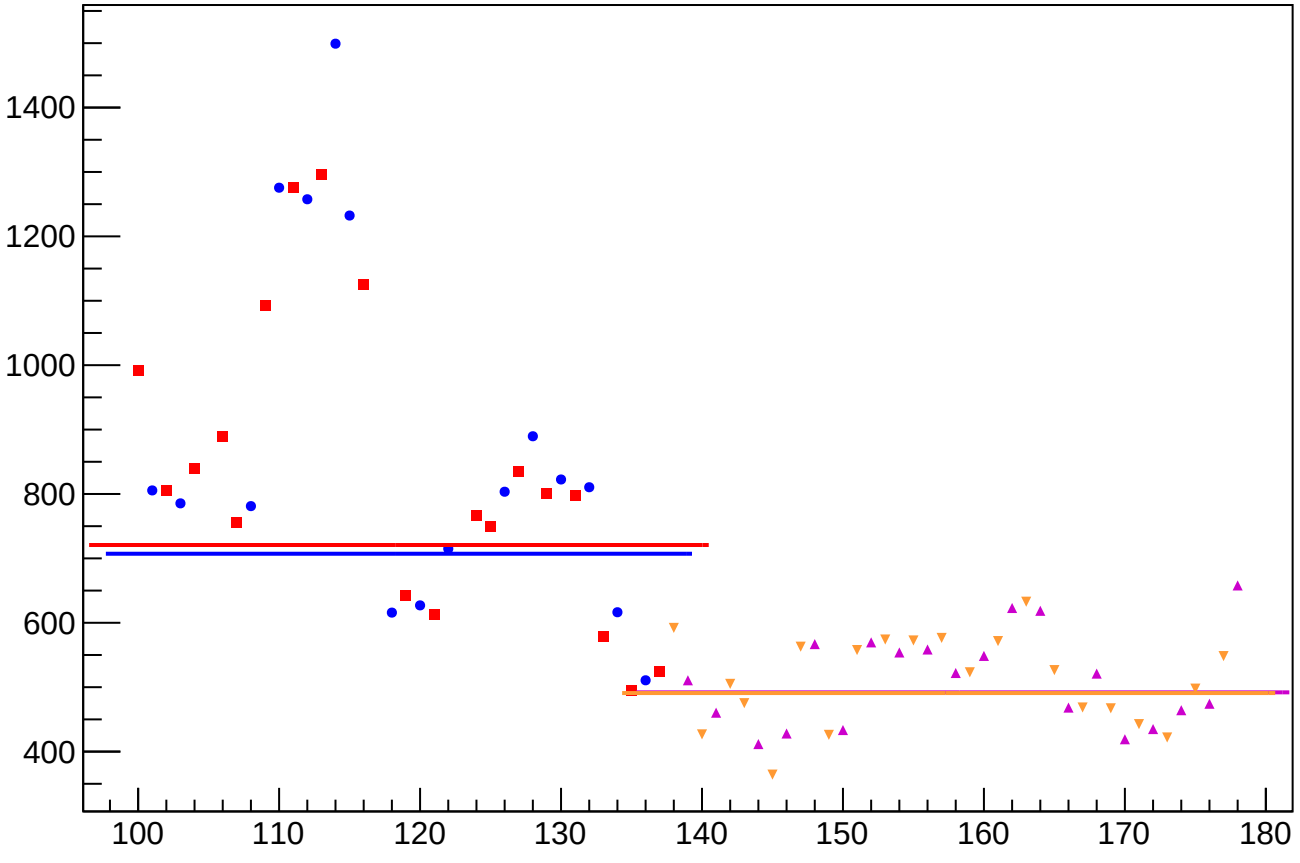
Left In: -95.715+/-123.359 χ^2/NDF:25.4/19

\+ sign -384.530+/-111.318 χ^2/NDF: 44.9/36

All: -262.019+/-79.113 χ^2/NDF: 87.5/75

\- sign -136.988+/-112.457 χ^2/NDF: 40.2/38

asym_sam_26_48_dd_rms vs Slug



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 490.891+/-0.086 χ^2/NDF:688107.0/20

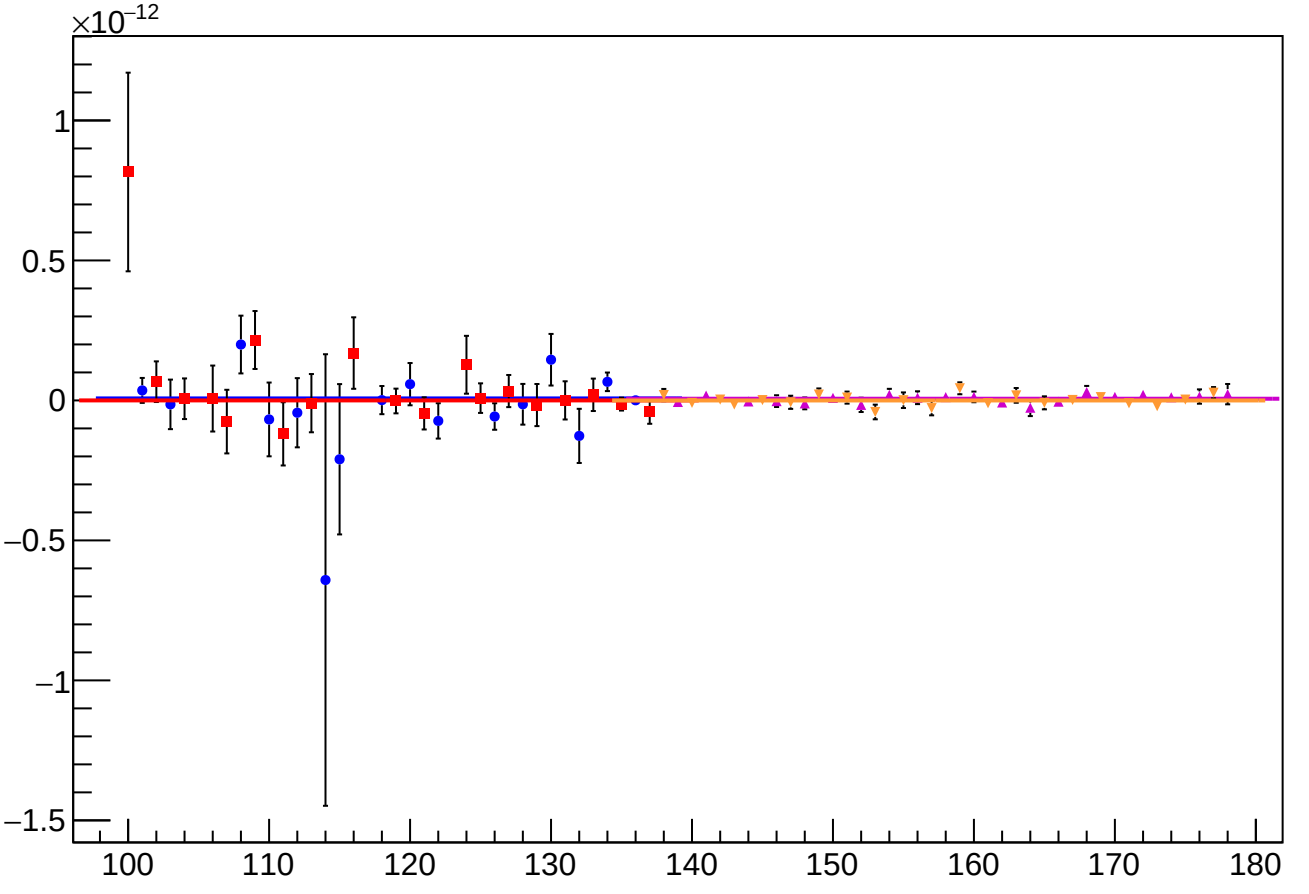
Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 491.995+/-0.087 χ^2/NDF:593264.3/19

+ sign 527.137+/-0.079 χ^2/NDF: 2638243.0/36

All: 528.874+/-0.056 χ^2/NDF: 5409940.3/75

- sign 530.646+/-0.080 χ^2/NDF: 2770713.6/38



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/20

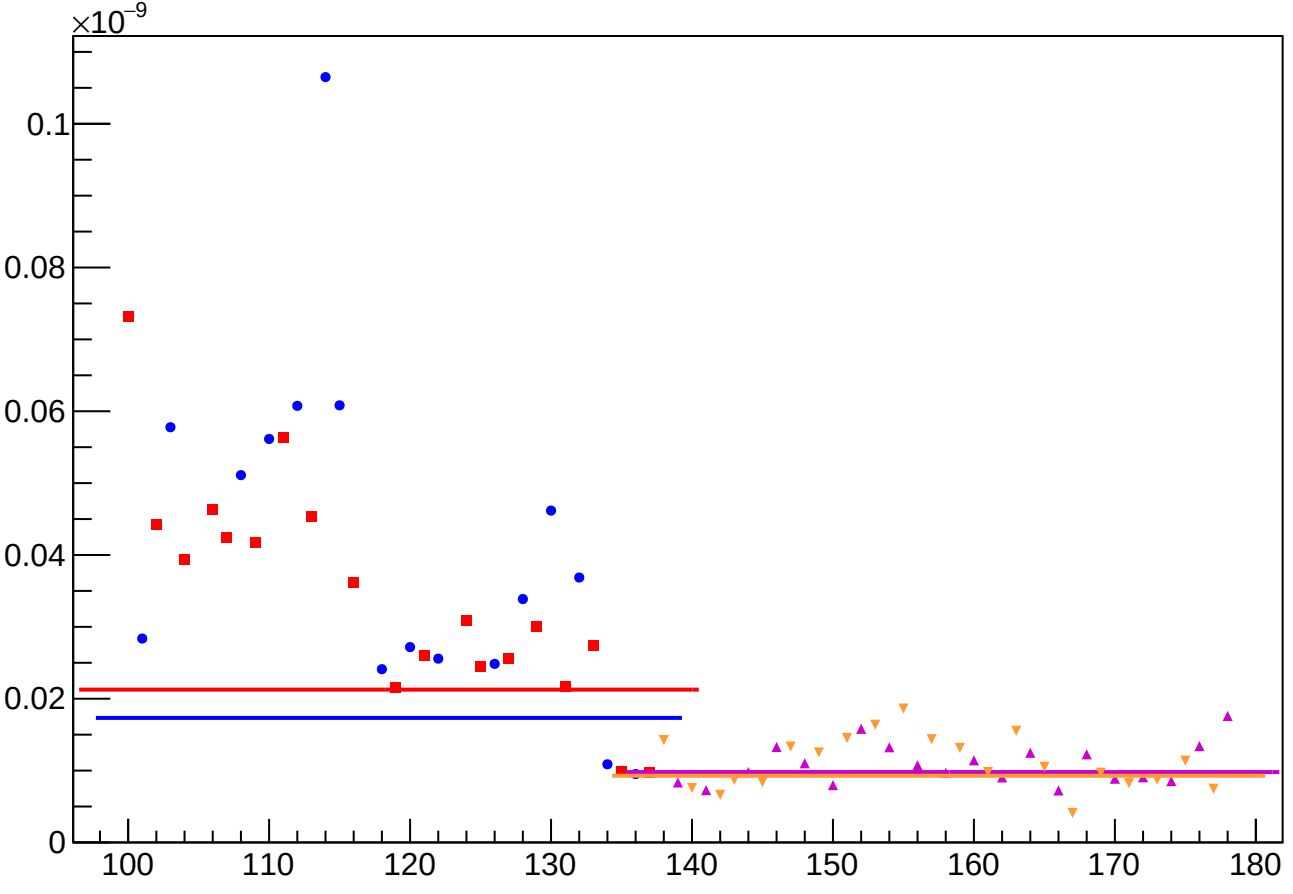
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: 0.000+/-0.000 χ^2/NDF:8.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 34.1/36

All: 0.000+/-0.000 χ^2/NDF: 61.5/75

- sign 0.000+/-0.000 χ^2/NDF: 26.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1735785.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

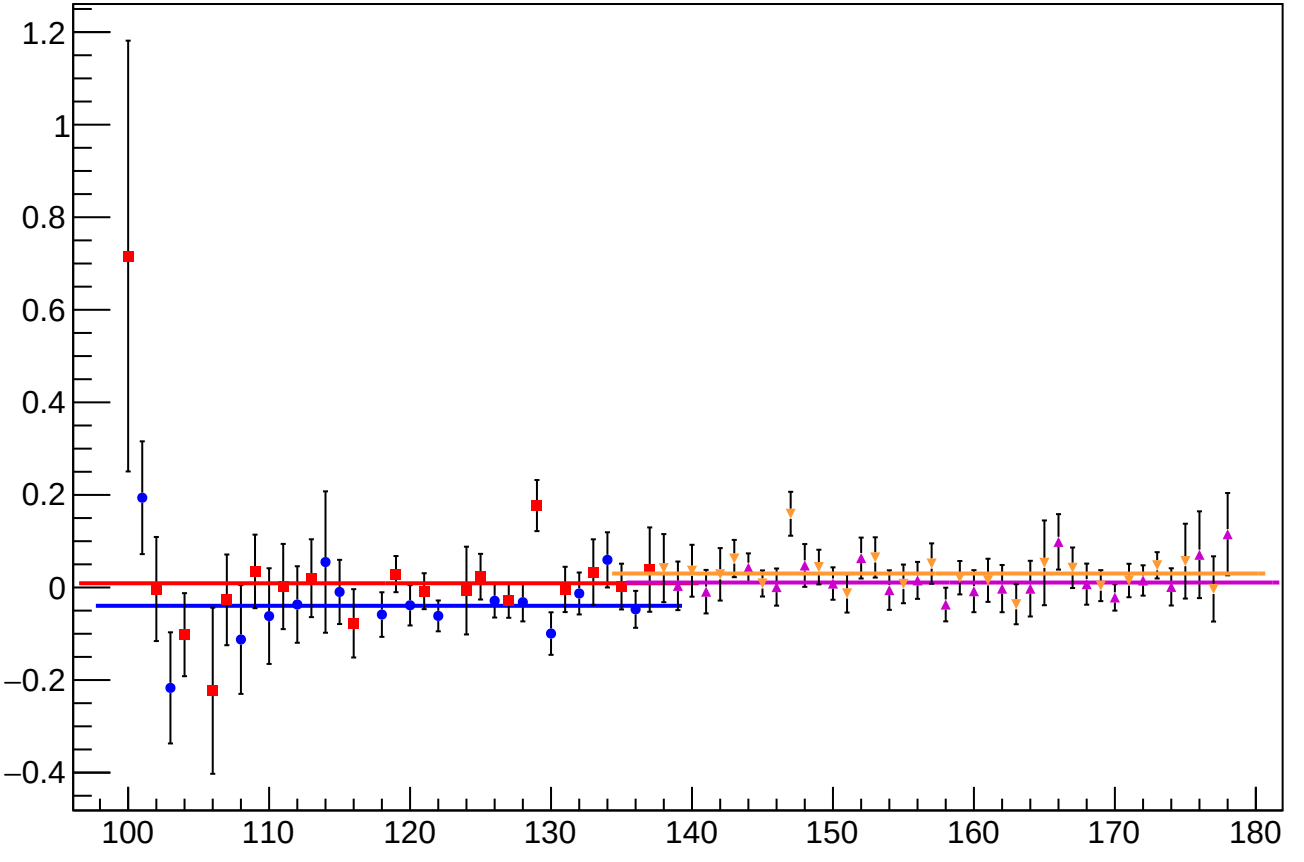
Left In: 0.000+/-0.000 χ^2/NDF:617135.7/19

+ sign 0.000+/-0.000 χ^2/NDF: 4991011.4/36

All: 0.000+/-0.000 χ^2/NDF: 8654969.0/75

- sign 0.000+/-0.000 χ^2/NDF: 3630562.9/38

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: 0.030+/-0.009 χ^2/NDF:15.2/20

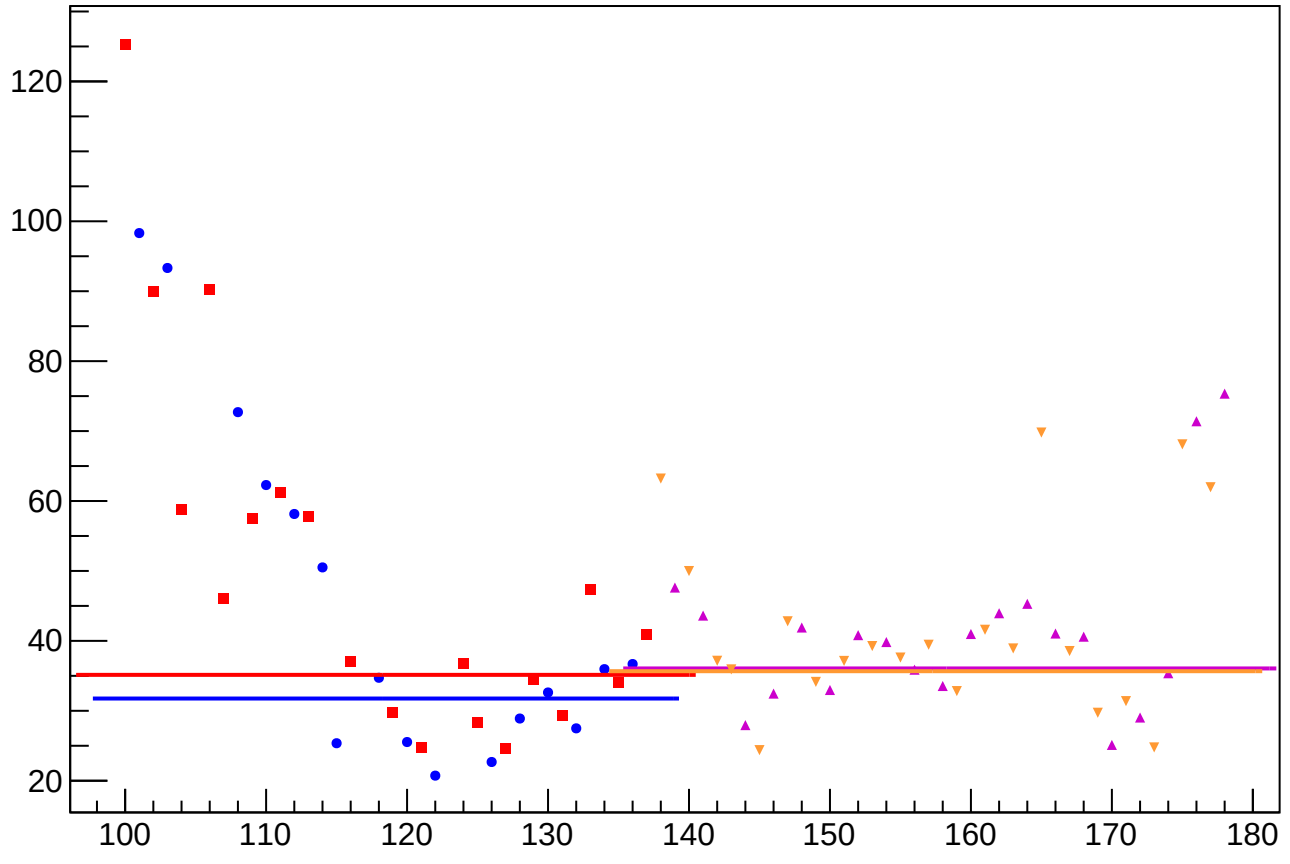
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.011+/-0.009 χ^2/NDF:10.8/19

+ sign 0.007+/-0.008 χ^2/NDF: 46.4/36

All: 0.009+/-0.005 χ^2/NDF: 75.6/75

- sign 0.010+/-0.008 χ^2/NDF: 29.1/38



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 35.664+/-0.007 χ^2/NDF:2146094.2/20

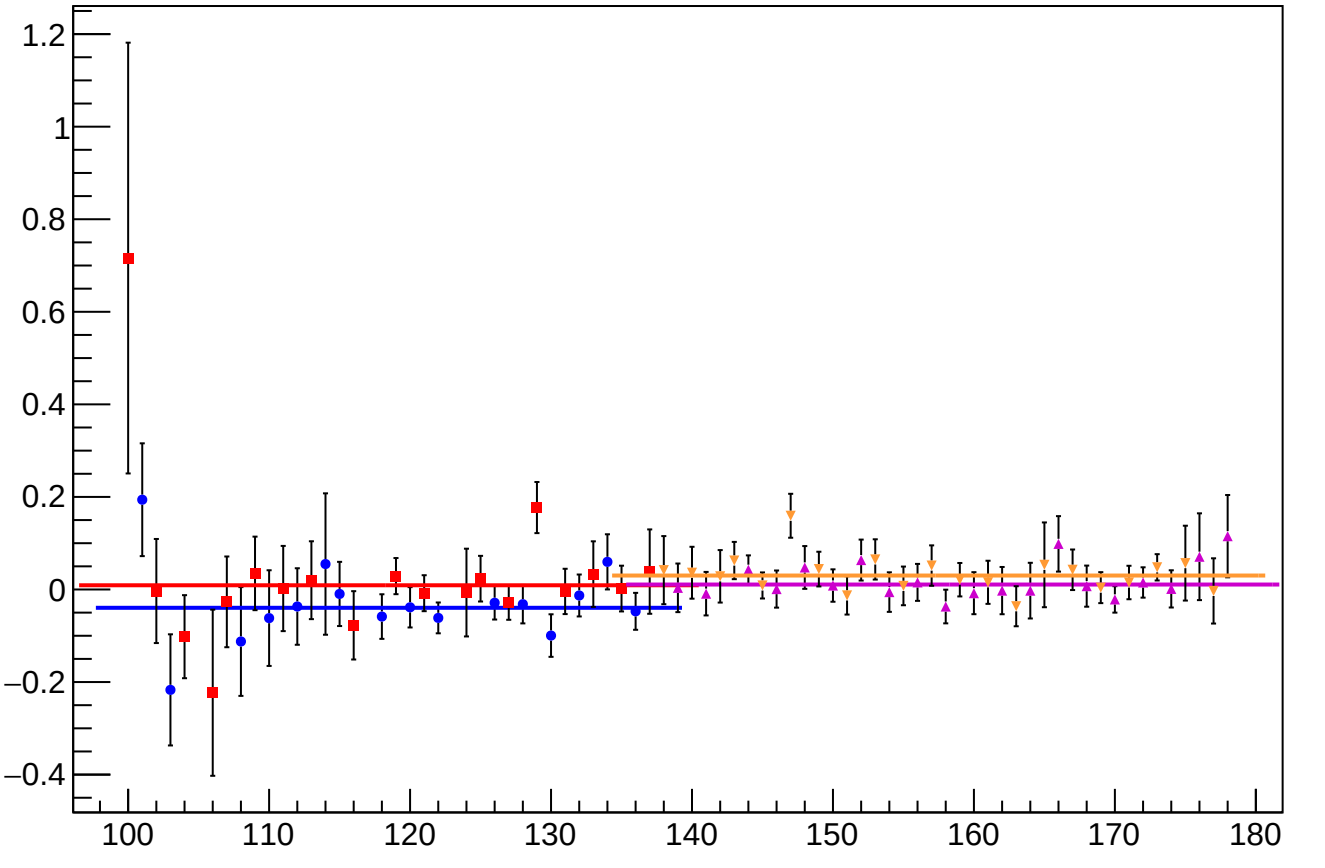
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 36.057+/-0.007 χ^2/NDF:1610735.6/19

+ sign 34.373+/-0.005 χ^2/NDF: 4516608.8/36

All: 35.045+/-0.004 χ^2/NDF: 8010719.5/75

- sign 35.774+/-0.006 χ^2/NDF: 3461209.3/38



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.030+/-0.009 χ^2/NDF:15.2/20

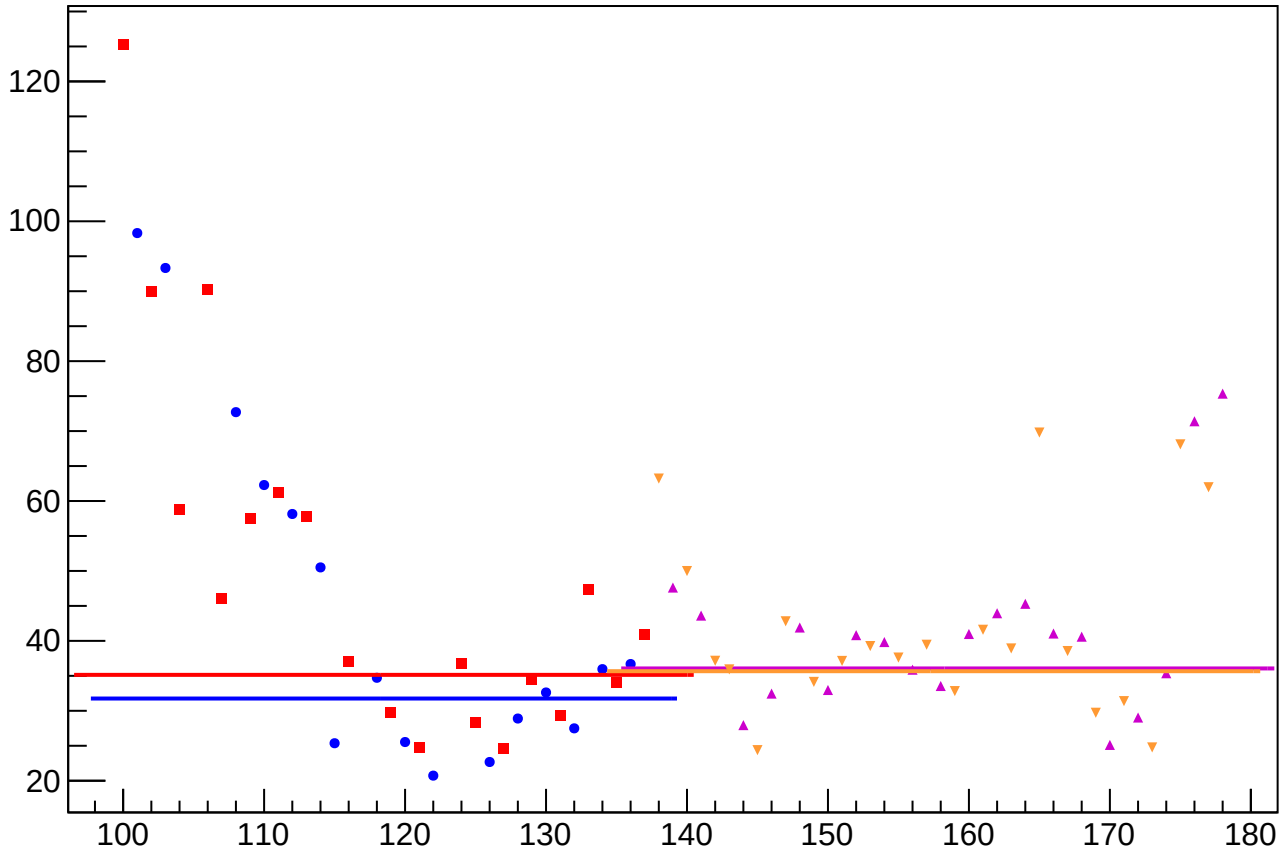
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.011+/-0.009 χ^2/NDF:10.8/19

+ sign 0.007+/-0.008 χ^2/NDF: 46.4/36

All: 0.009+/-0.005 χ^2/NDF: 75.6/75

- sign 0.010+/-0.008 χ^2/NDF: 29.1/38



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 35.664+/-0.007 χ^2/NDF:2146094.2/20

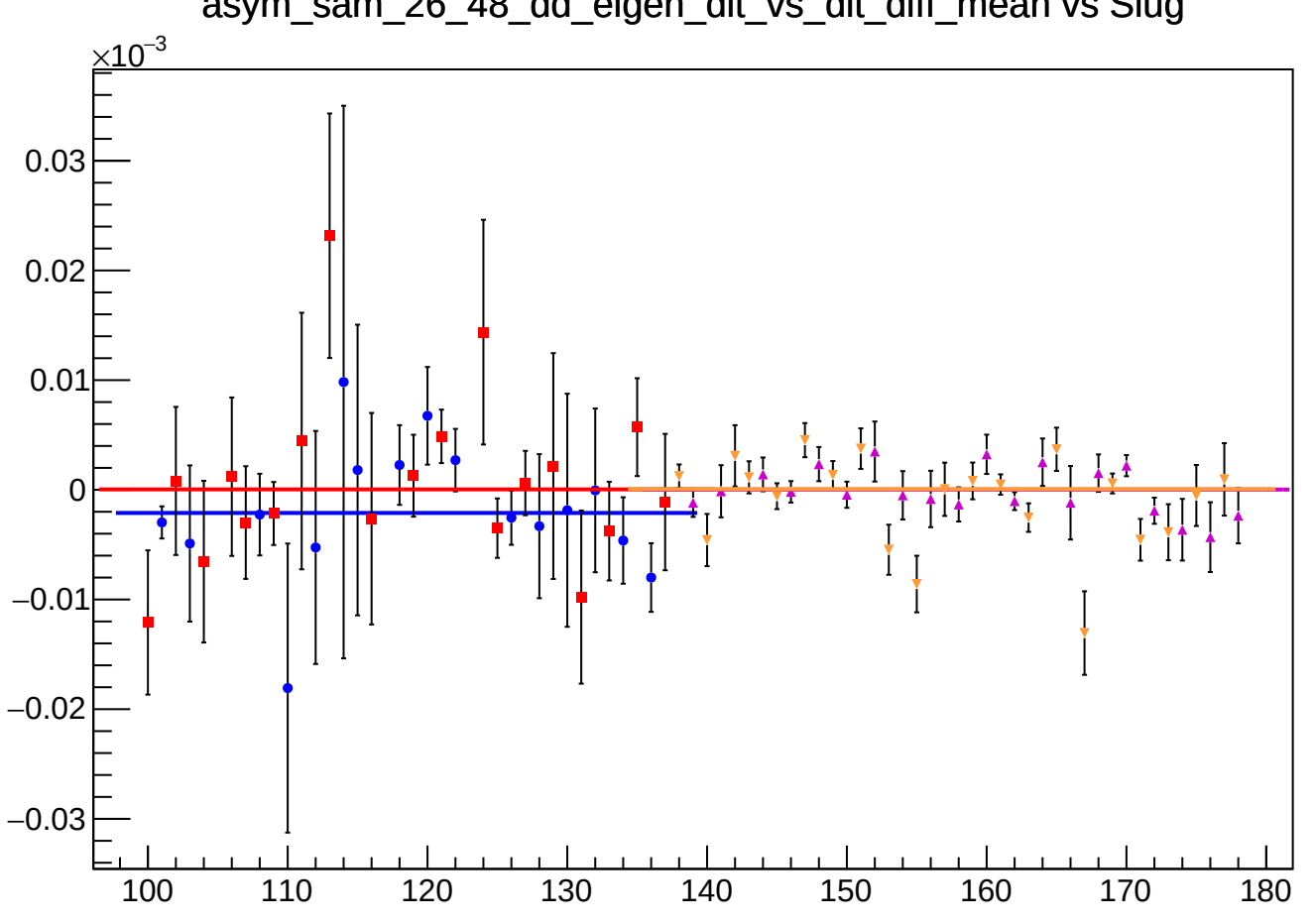
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 36.057+/-0.007 χ^2/NDF:1610735.6/19

+ sign 34.373+/-0.005 χ^2/NDF: 4516608.8/36

All: 35.045+/-0.004 χ^2/NDF: 8010719.5/75

- sign 35.774+/-0.006 χ^2/NDF: 3461209.3/38



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:65.8/20

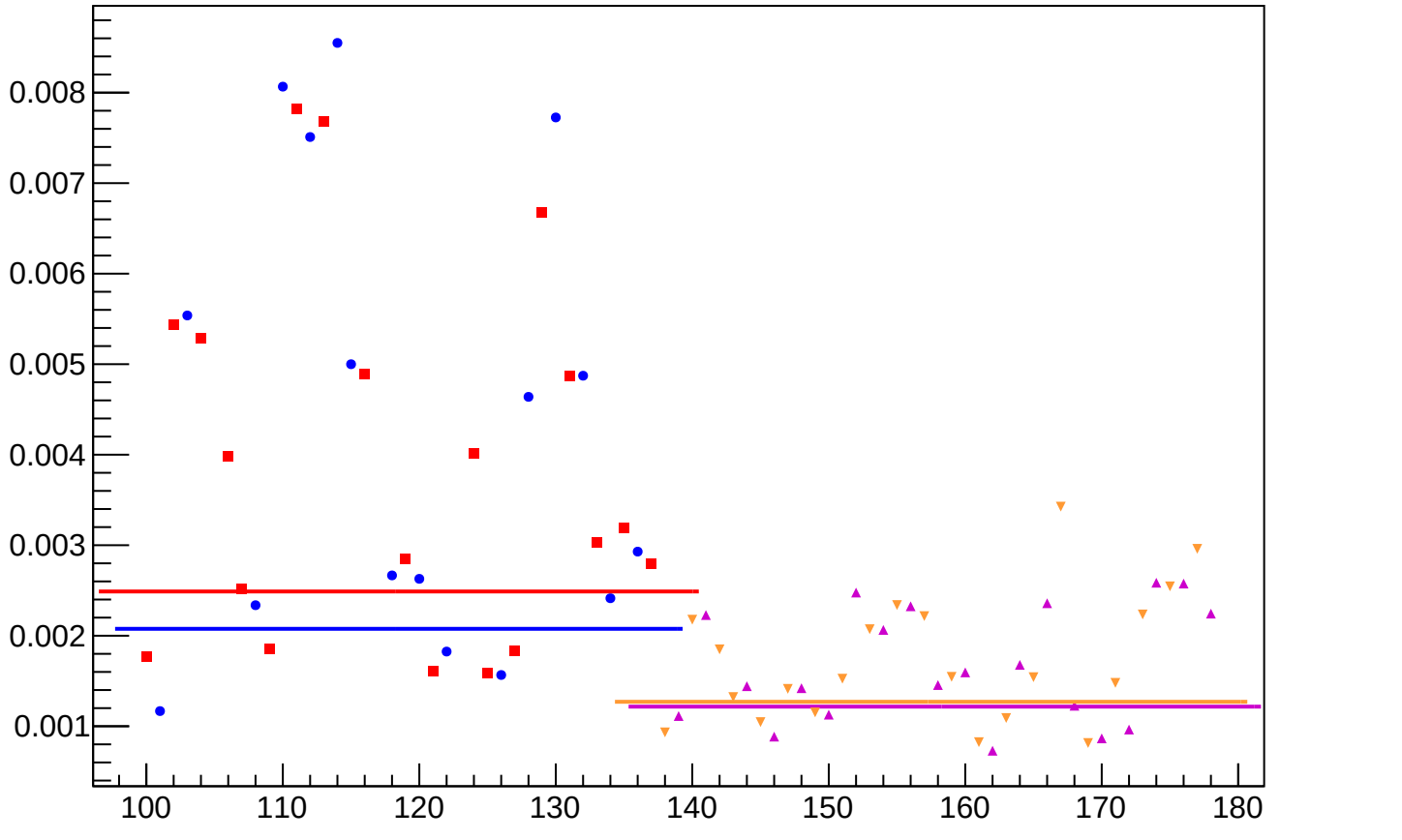
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:25.9/19

+ sign -0.000+/-0.000 χ^2/NDF: 85.6/36

All: -0.000+/-0.000 χ^2/NDF: 133.1/75

- sign 0.000+/-0.000 χ^2/NDF: 47.3/38



Right In: 0.002+/-0.000 χ^2/NDF: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:4611008.9/20

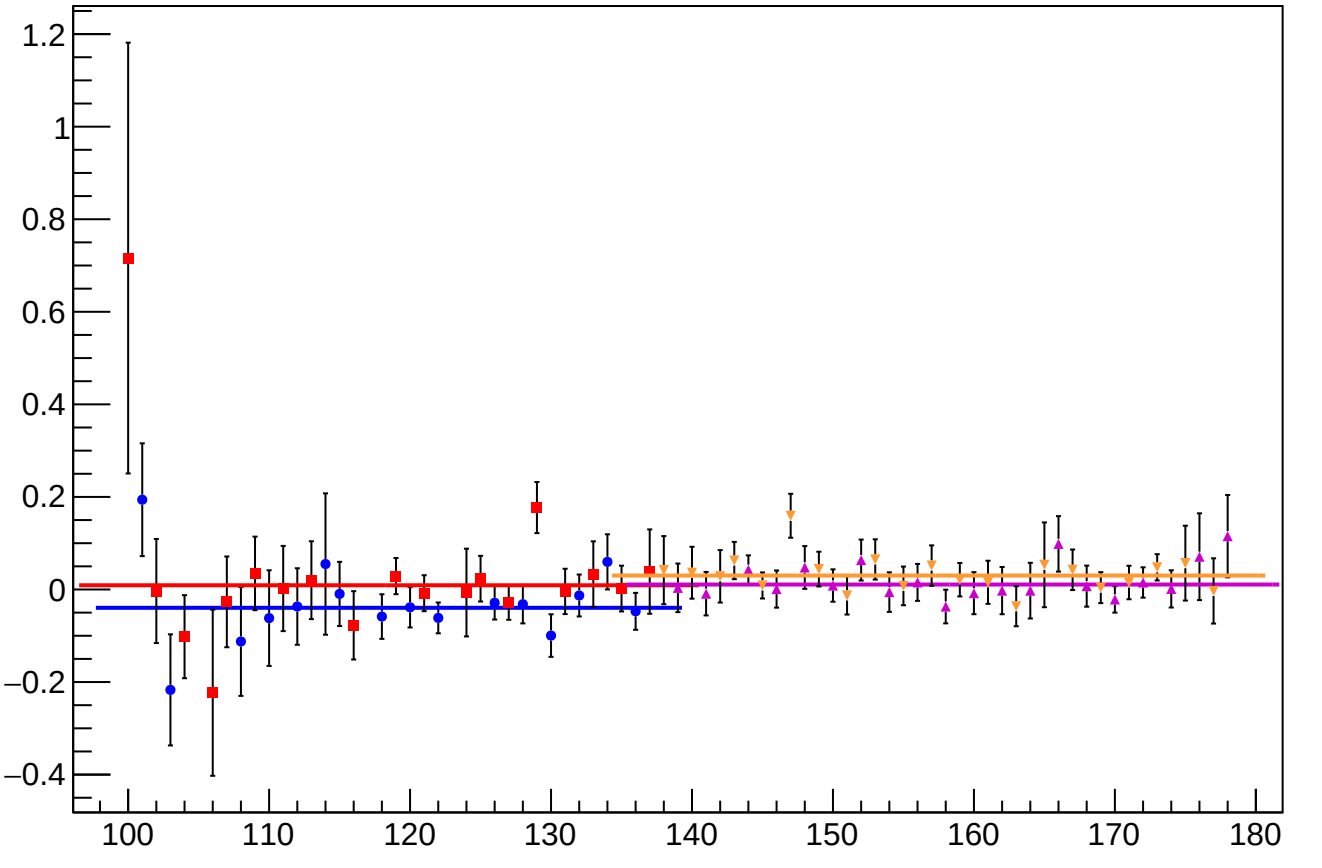
Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

Left In: 0.001+/-0.000 χ^2/NDF:4485519.4/19

+ sign 0.001+/-0.000 χ^2/NDF: 9903883.9/36

All: 0.001+/-0.000 χ^2/NDF: 20194097.2/75

- sign 0.001+/-0.000 χ^2/NDF: 10278617.8/38



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.030+/-0.009 χ^2/NDF:15.2/20

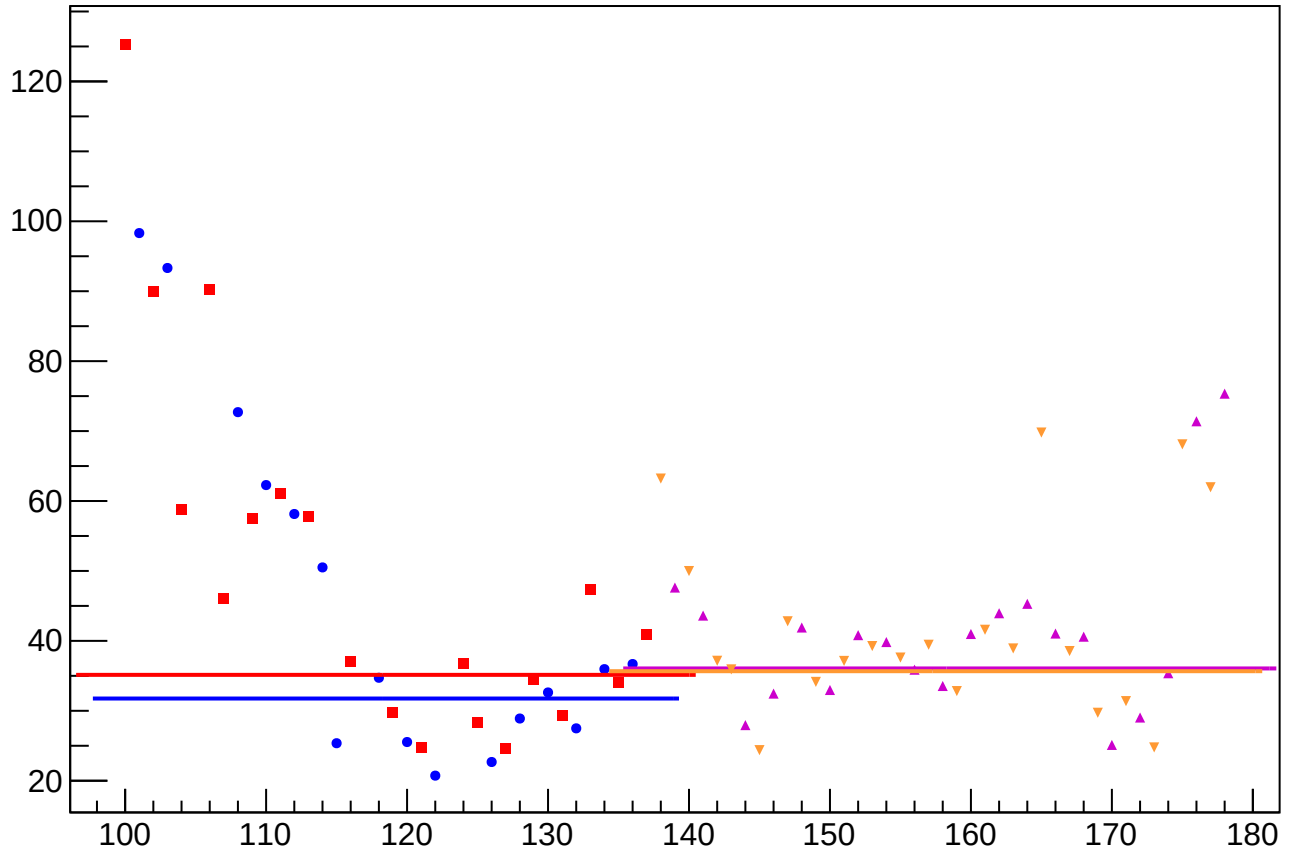
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.011+/-0.009 χ^2/NDF:10.8/19

+ sign 0.007+/-0.008 χ^2/NDF: 46.4/36

All: 0.009+/-0.005 χ^2/NDF: 75.6/75

- sign 0.010+/-0.008 χ^2/NDF: 29.1/38



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 35.664+/-0.007 χ^2/NDF:2146101.8/20

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

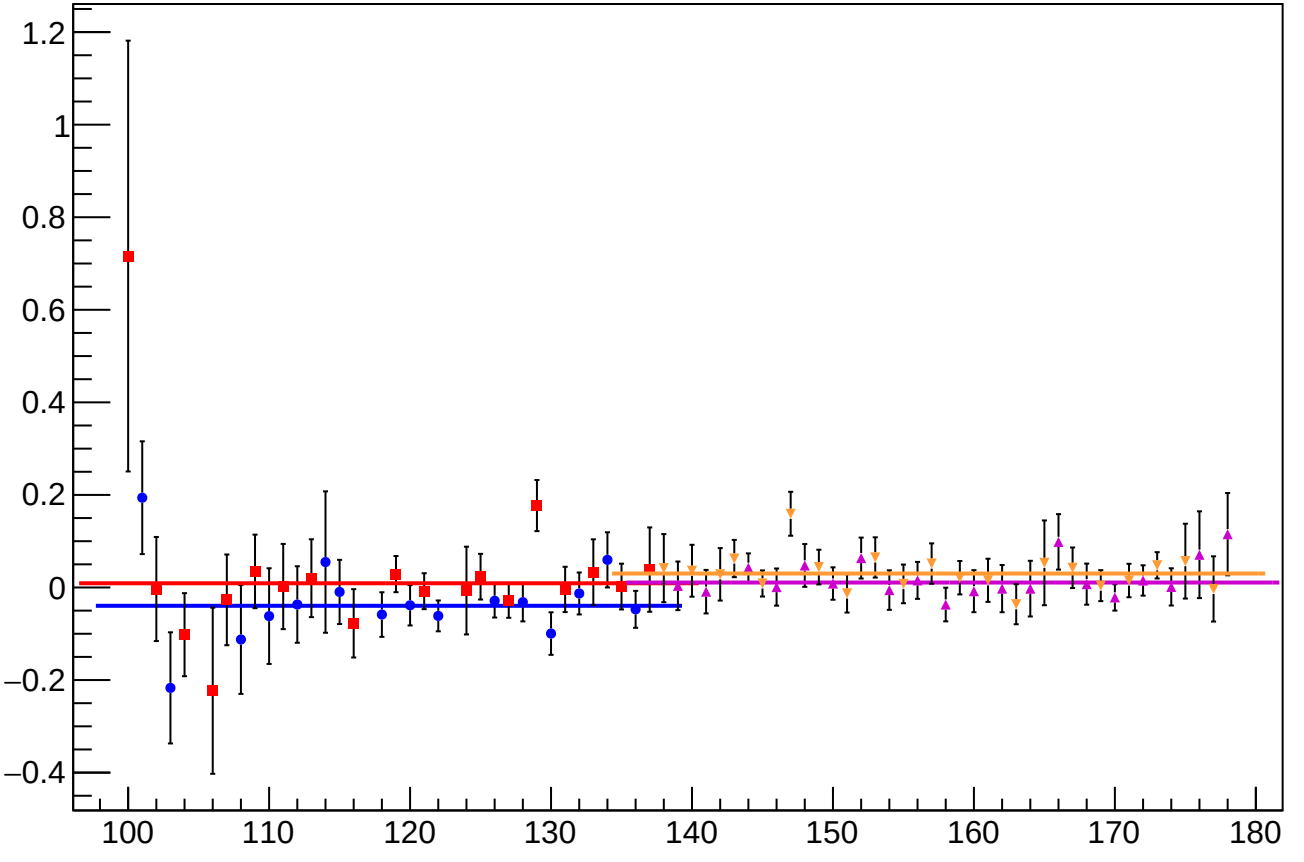
Left In: 36.057+/-0.007 χ^2/NDF:1610704.5/19

+ sign 34.373+/-0.005 χ^2/NDF: 4516566.1/36

All: 35.045+/-0.004 χ^2/NDF: 8010534.8/75

- sign 35.774+/-0.006 χ^2/NDF: 3461067.8/38

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.030+/-0.009 χ^2/NDF:15.2/20

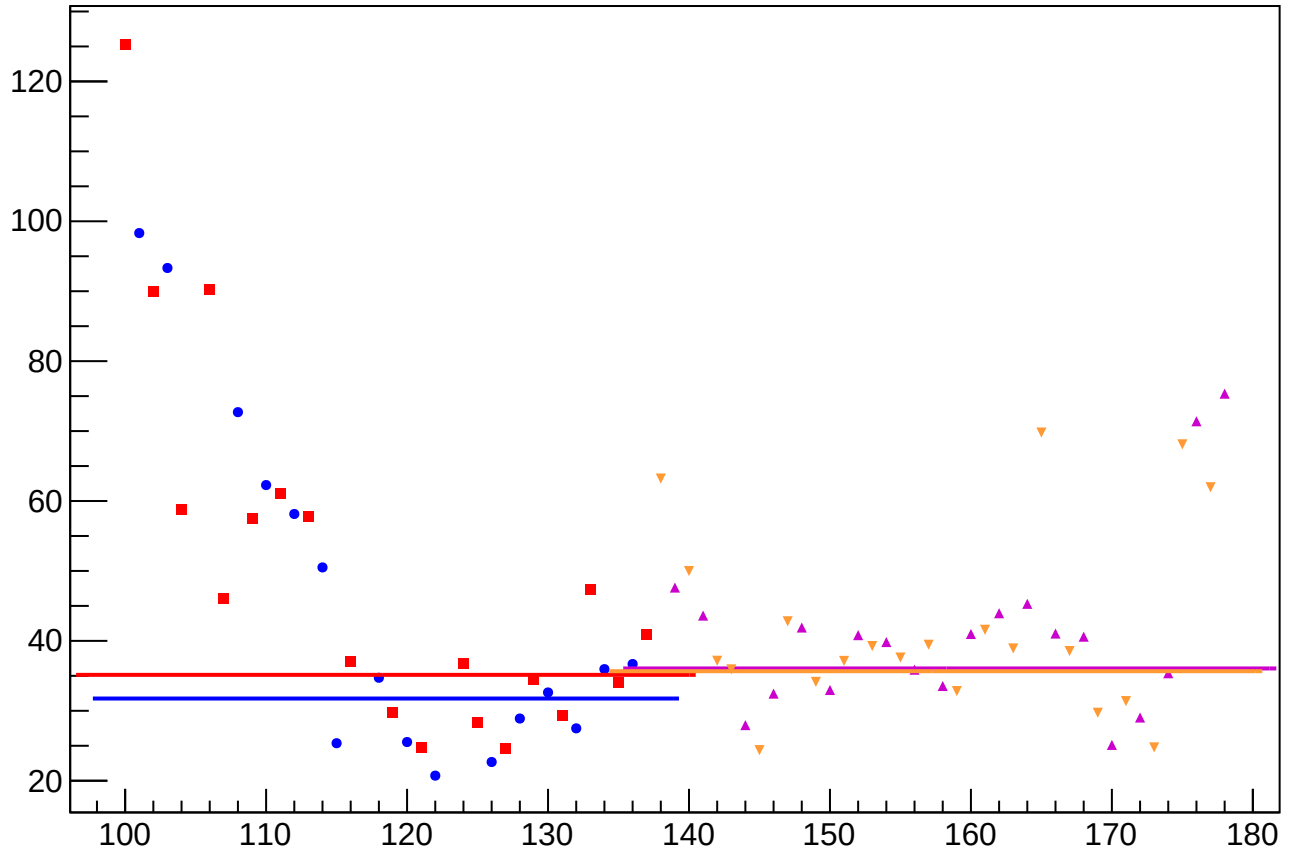
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.011+/-0.009 χ^2/NDF:10.8/19

+ sign 0.007+/-0.008 χ^2/NDF: 46.4/36

All: 0.009+/-0.005 χ^2/NDF: 75.6/75

- sign 0.010+/-0.008 χ^2/NDF: 29.1/38



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 35.664+/-0.007 χ^2/NDF:2146101.8/20

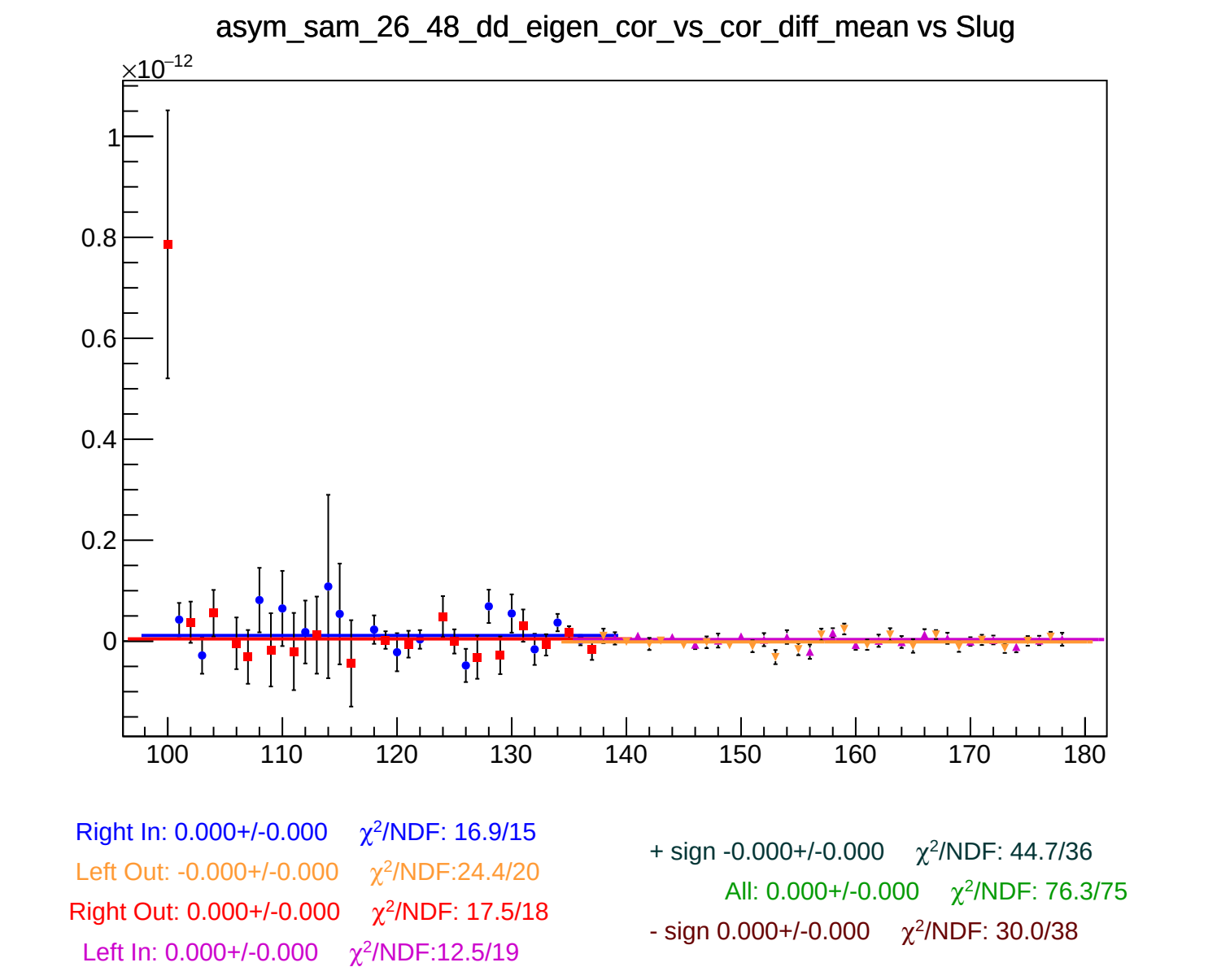
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

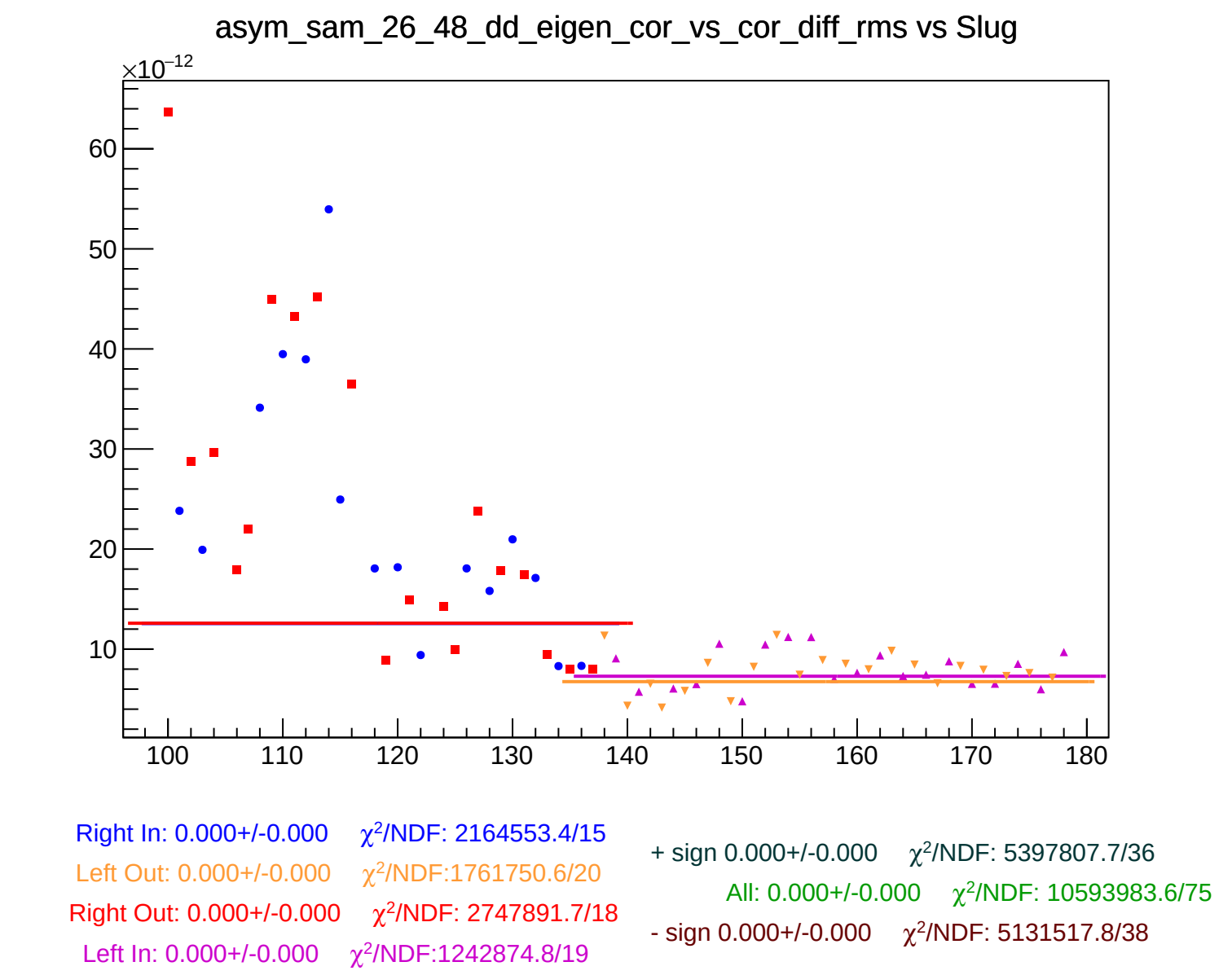
Left In: 36.057+/-0.007 χ^2/NDF:1610704.5/19

+ sign 34.373+/-0.005 χ^2/NDF: 4516566.1/36

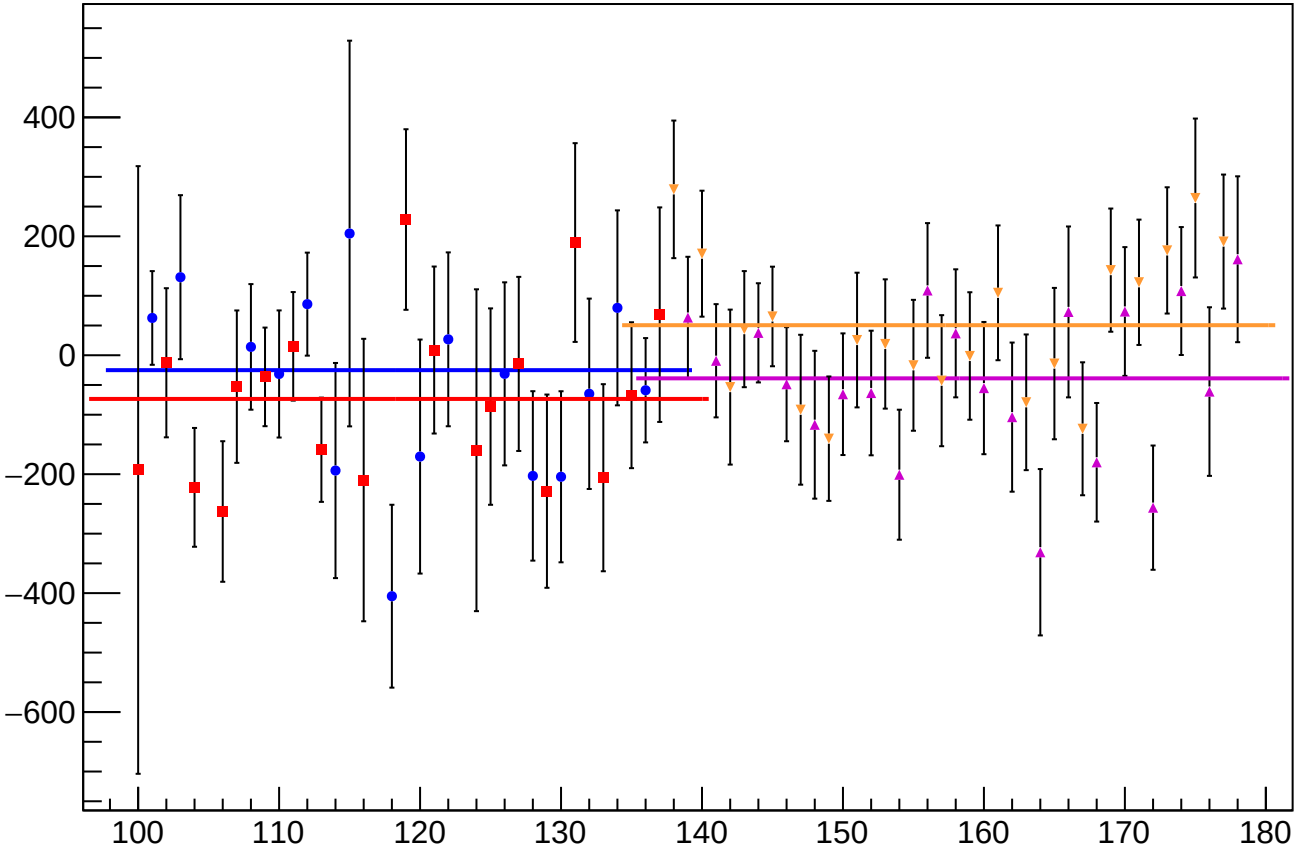
All: 35.045+/-0.004 χ^2/NDF: 8010534.8/75

- sign 35.774+/-0.006 χ^2/NDF: 3461067.8/38


asym_sam_26_48_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
1
0.8
0.6
0.4
0.2
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 16.9/15
Left Out: -0.000+/-0.000 χ²/NDF:24.4/20
Right Out: 0.000+/-0.000 χ²/NDF: 17.5/18
Left In: 0.000+/-0.000 χ²/NDF:12.5/19
+ sign -0.000+/-0.000 χ²/NDF: 44.7/36
All: 0.000+/-0.000 χ²/NDF: 76.3/75
- sign 0.000+/-0.000 χ²/NDF: 30.0/38


asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2164553.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1761750.6/20
Right Out: 0.000+/-0.000 χ²/NDF: 2747891.7/18
Left In: 0.000+/-0.000 χ²/NDF:1242874.8/19
+ sign 0.000+/-0.000 χ²/NDF: 5397807.7/36
All: 0.000+/-0.000 χ²/NDF: 10593983.6/75
- sign 0.000+/-0.000 χ²/NDF: 5131517.8/38

reg_asym_sam_1548_avg_mean vs Slug



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 50.524+/-23.956 χ^2/NDF:22.9/20

Right Out: -73.458+/-29.935 χ^2/NDF: 16.8/18

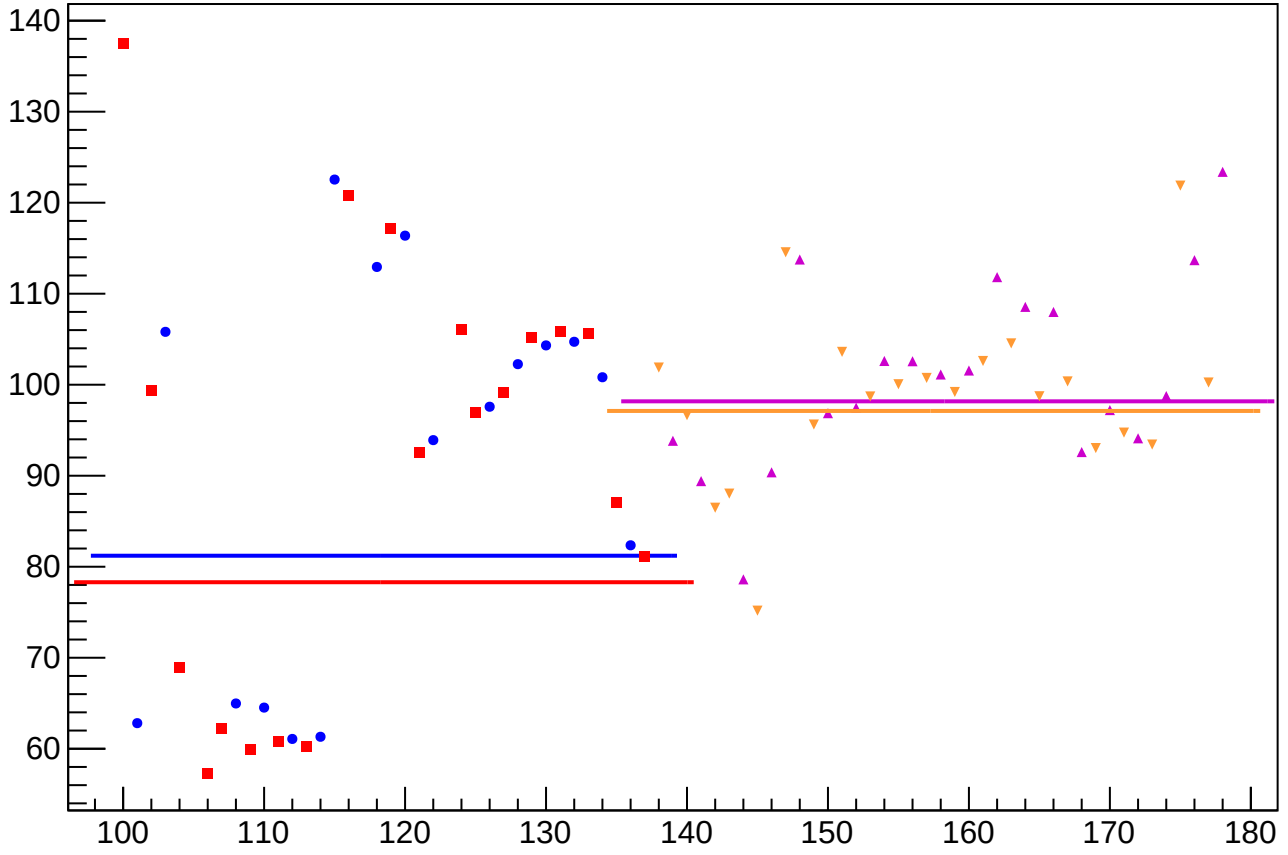
Left In: -38.857+/-24.492 χ^2/NDF:23.5/19

+ sign 22.519+/-19.008 χ^2/NDF: 42.8/36

All: -15.209+/-13.422 χ^2/NDF: 91.7/75

- sign -52.731+/-18.956 χ^2/NDF: 41.1/38

reg_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 97.117+/-0.017 χ^2/NDF:313384.1/20

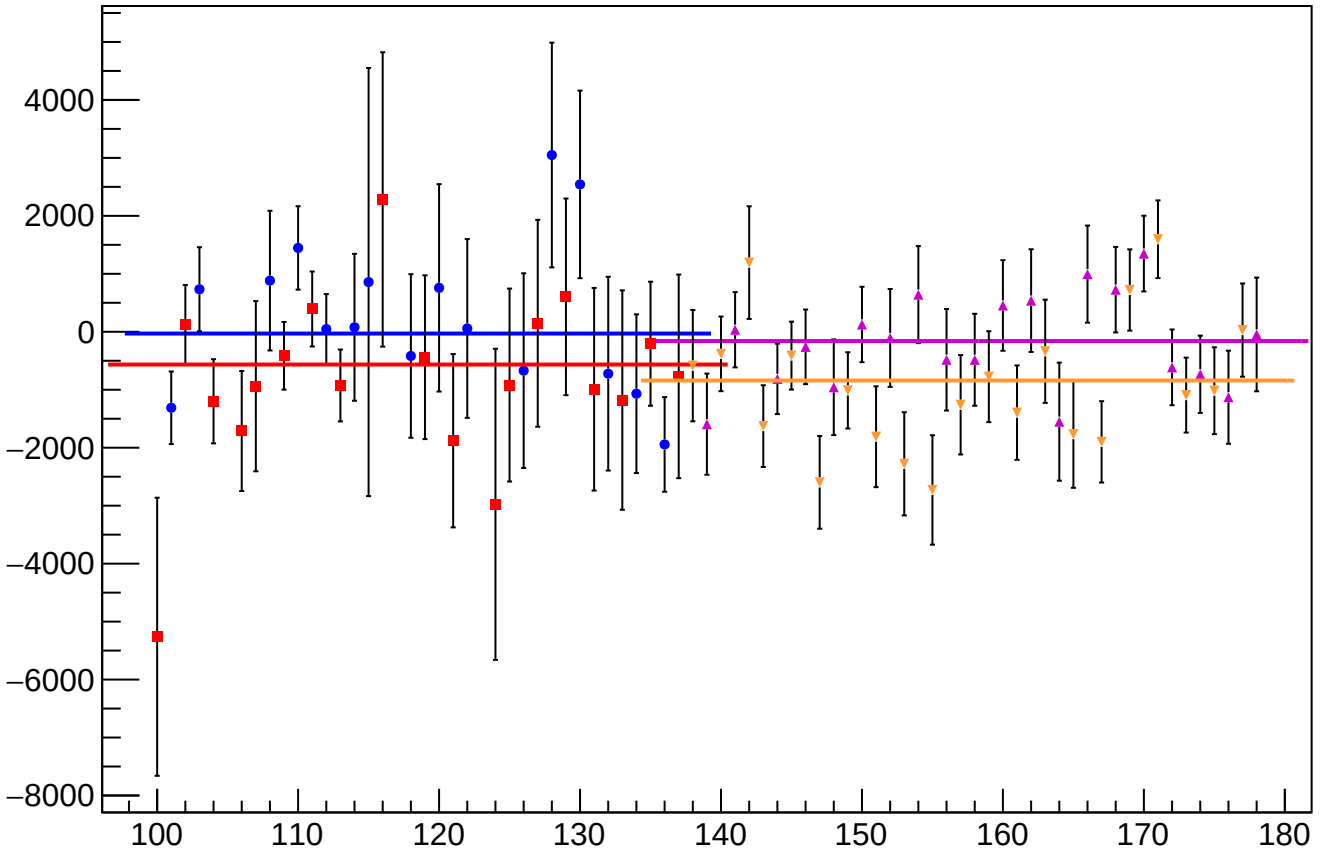
Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 98.174+/-0.017 χ^2/NDF:328181.9/19

+ sign 91.224+/-0.013 χ^2/NDF: 1427747.3/36

All: 90.713+/-0.009 χ^2/NDF: 3221674.5/75

- sign 90.204+/-0.013 χ^2/NDF: 1791039.3/38



Right In: -30.407+/-256.999 χ^2/NDF: 21.9/15

Left Out: -840.774+/-166.656 χ^2/NDF:43.4/20

Right Out: -564.890+/-238.492 χ^2/NDF: 13.3/18

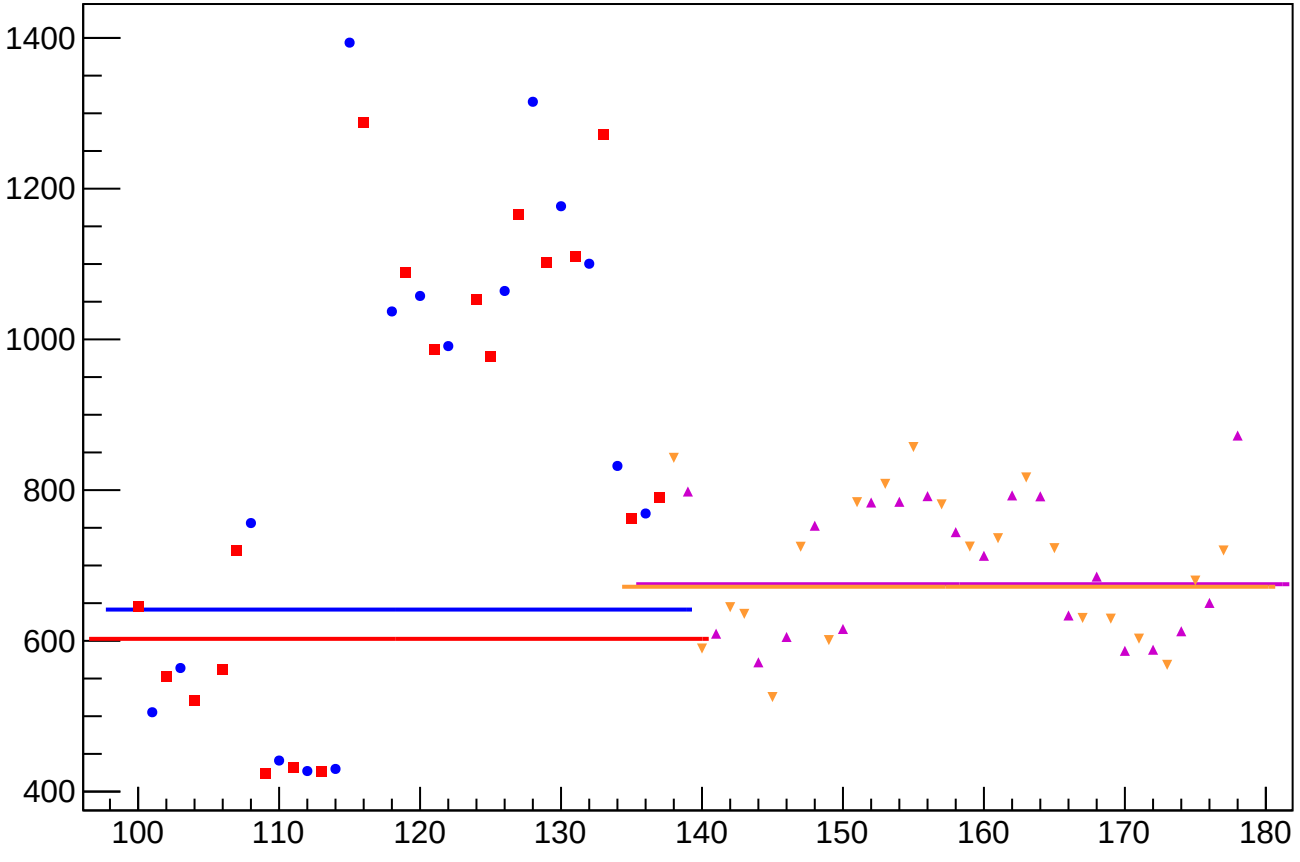
Left In: -159.973+/-168.952 χ^2/NDF:20.8/19

+ sign -600.882+/-139.830 χ^2/NDF: 72.2/36

All: -445.916+/-98.172 χ^2/NDF: 110.7/75

- sign -295.278+/-137.863 χ^2/NDF: 36.0/38

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 671.779+/-0.118 χ^2/NDF:624673.5/20

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

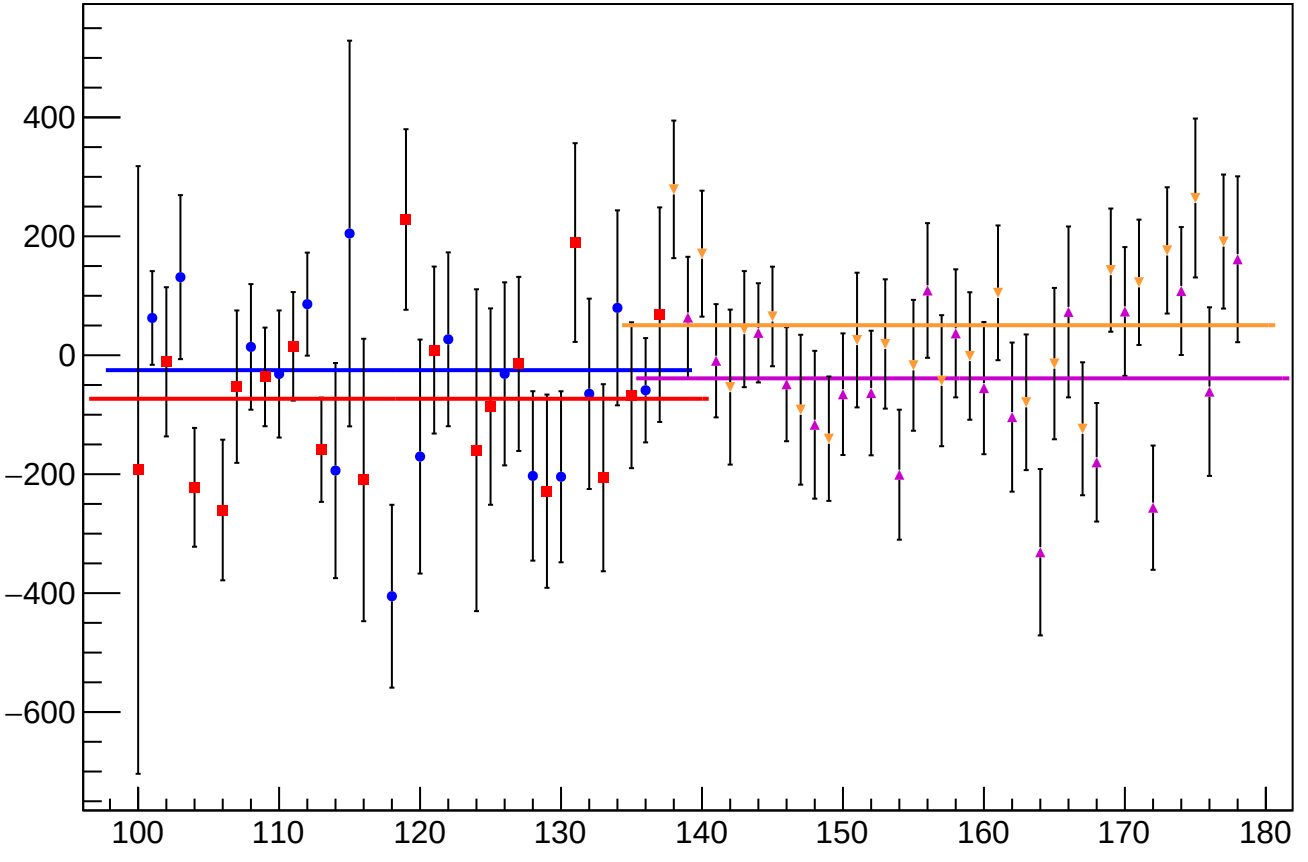
Left In: 675.142+/-0.119 χ^2/NDF:538243.4/19

+ sign 662.815+/-0.099 χ^2/NDF: 2519210.3/36

All: 656.783+/-0.069 χ^2/NDF: 5258126.0/75

- sign 650.920+/-0.097 χ^2/NDF: 2731575.6/38

cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 50.528+/-23.956 χ^2/NDF:22.9/20

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

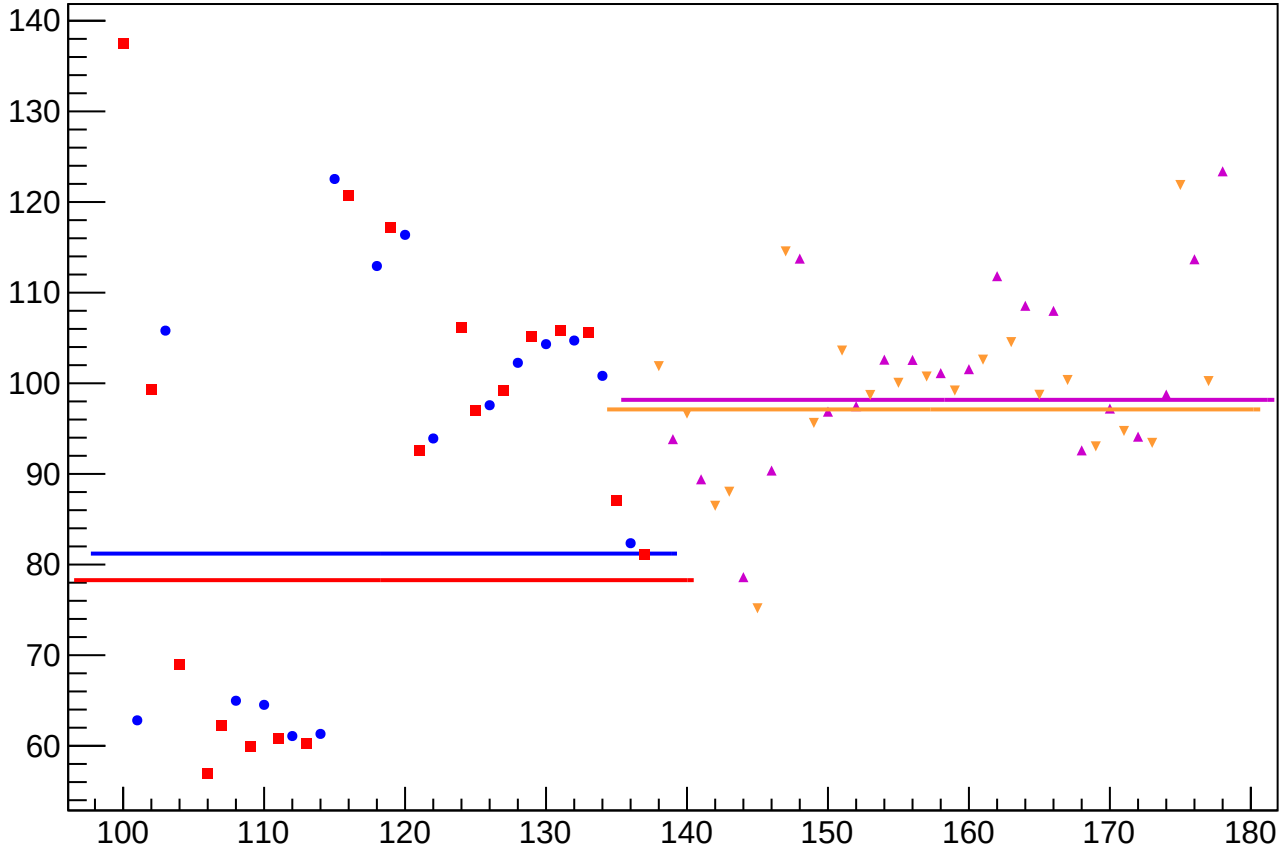
Left In: -38.857+/-24.492 χ^2/NDF:23.5/19

+ sign 22.521+/-19.008 χ^2/NDF: 42.8/36

All: -15.154+/-13.422 χ^2/NDF: 91.7/75

- sign -52.624+/-18.956 χ^2/NDF: 41.0/38

cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 97.117+/-0.017 χ^2/NDF:313384.1/20

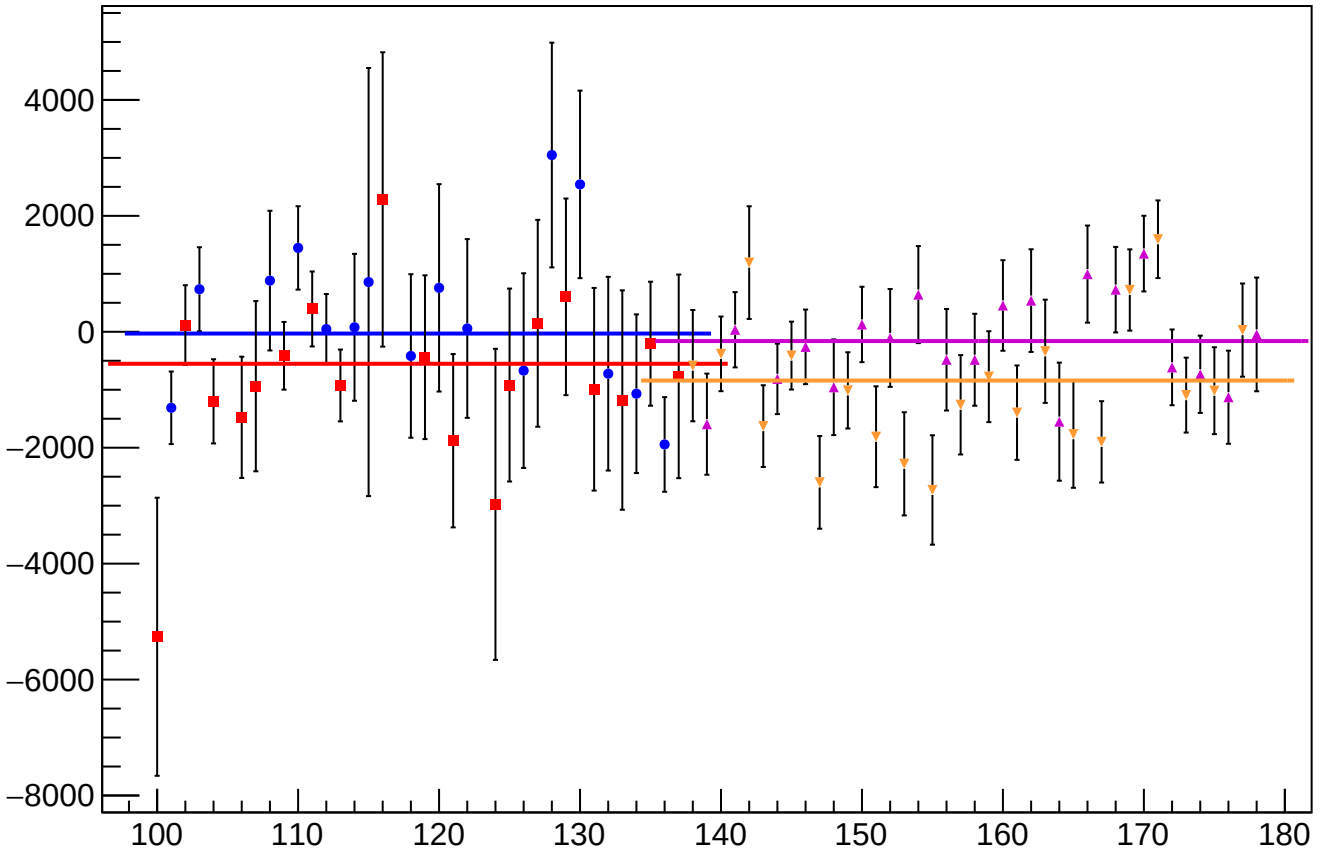
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 98.174+/-0.017 χ^2/NDF:328181.9/19

+ sign 91.224+/-0.013 χ^2/NDF: 1427748.8/36

All: 90.709+/-0.009 χ^2/NDF: 3224806.0/75

- sign 90.197+/-0.013 χ^2/NDF: 1794130.2/38



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -840.769+/-166.656 χ^2/NDF:43.4/20

Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

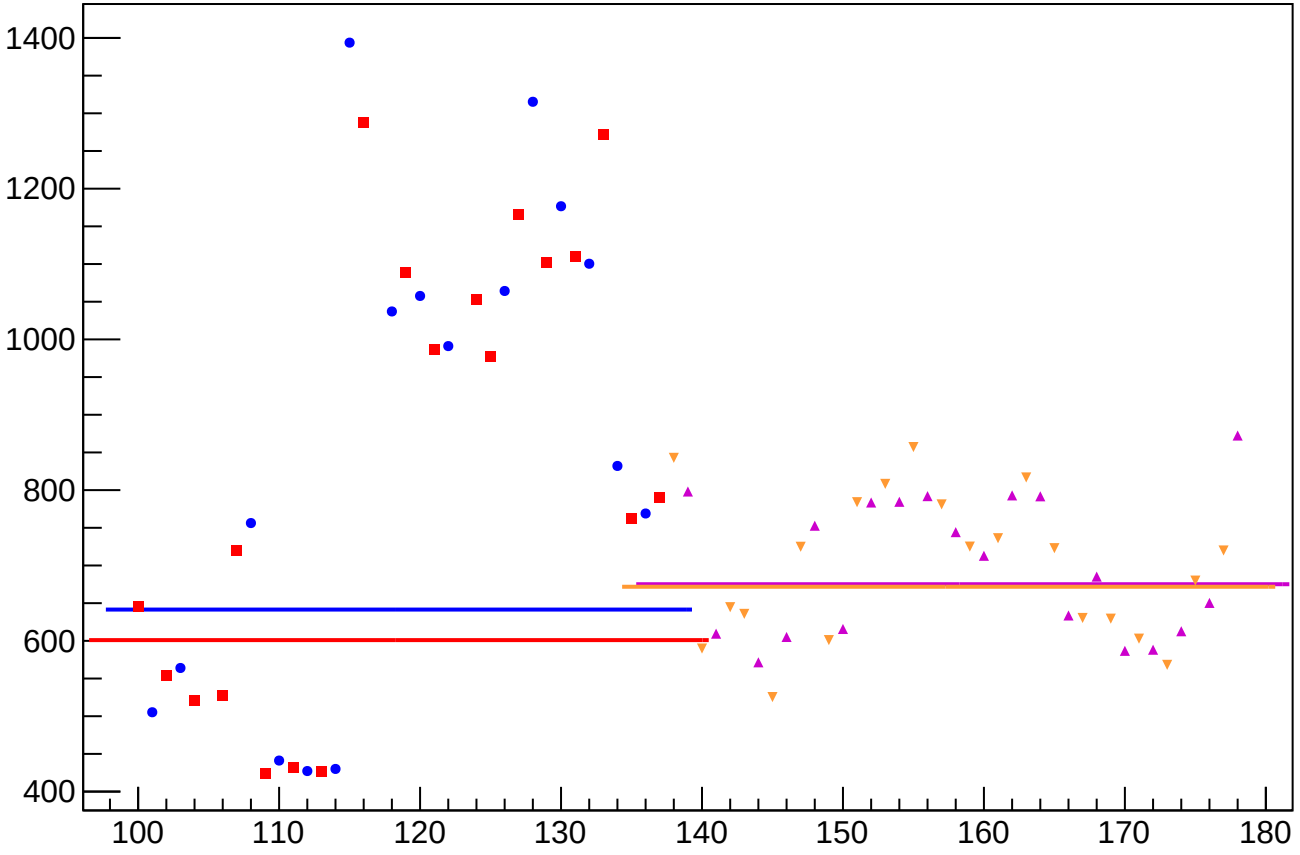
Left In: -159.975+/-168.952 χ^2/NDF:20.8/19

\+ sign -600.891+/-139.830 χ^2/NDF: 72.2/36

All: -443.705+/-98.182 χ^2/NDF: 110.1/75

\- sign -290.847+/-137.892 χ^2/NDF: 35.4/38

asym_sam_1548_avg_cor_correction_rms vs Slug



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 671.779+/-0.118 χ^2/NDF:624673.2/20

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

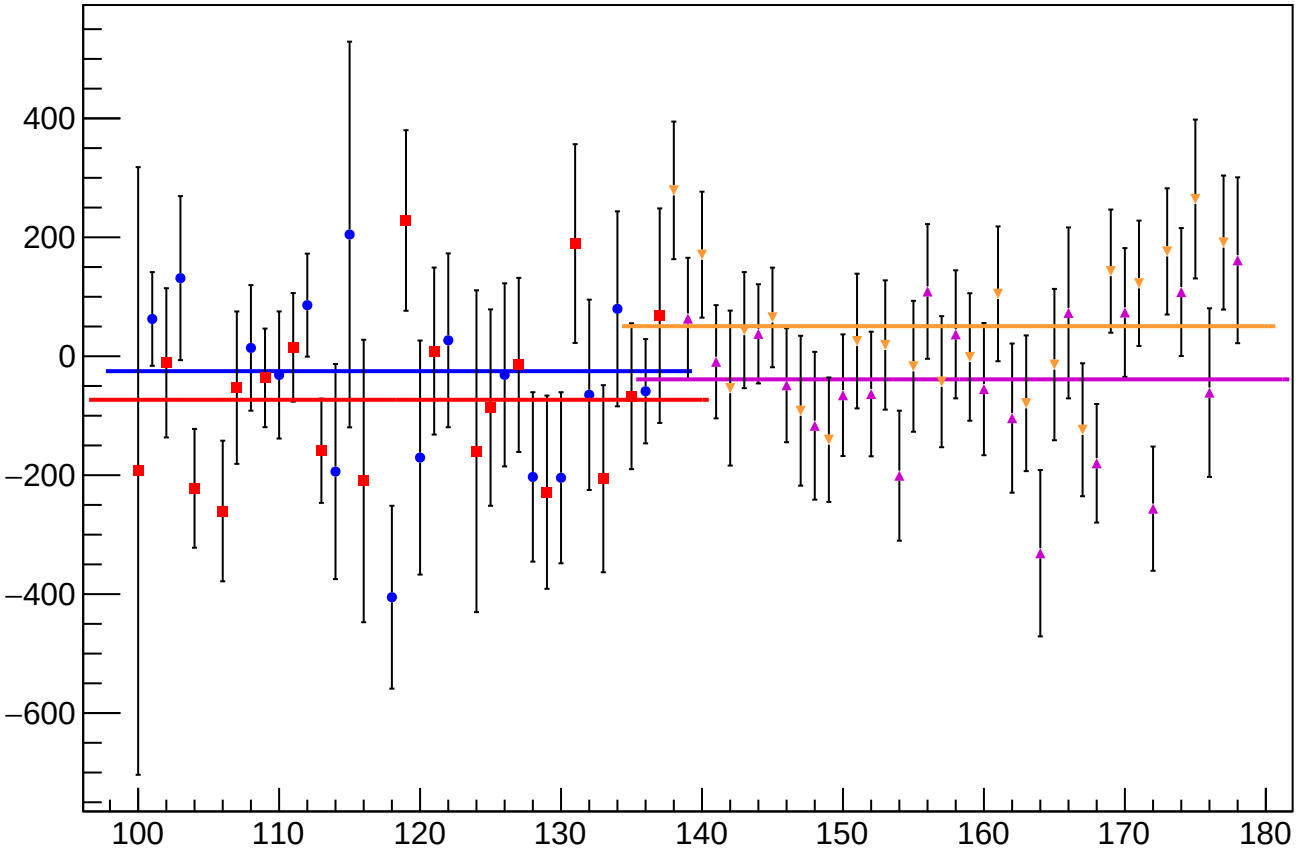
Left In: 675.142+/-0.119 χ^2/NDF:538244.5/19

+ sign 662.818+/-0.099 χ^2/NDF: 2519157.3/36

All: 656.512+/-0.069 χ^2/NDF: 5271338.7/75

- sign 650.379+/-0.098 χ^2/NDF: 2744157.6/38

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 50.528+/-23.956 χ^2/NDF:22.9/20

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

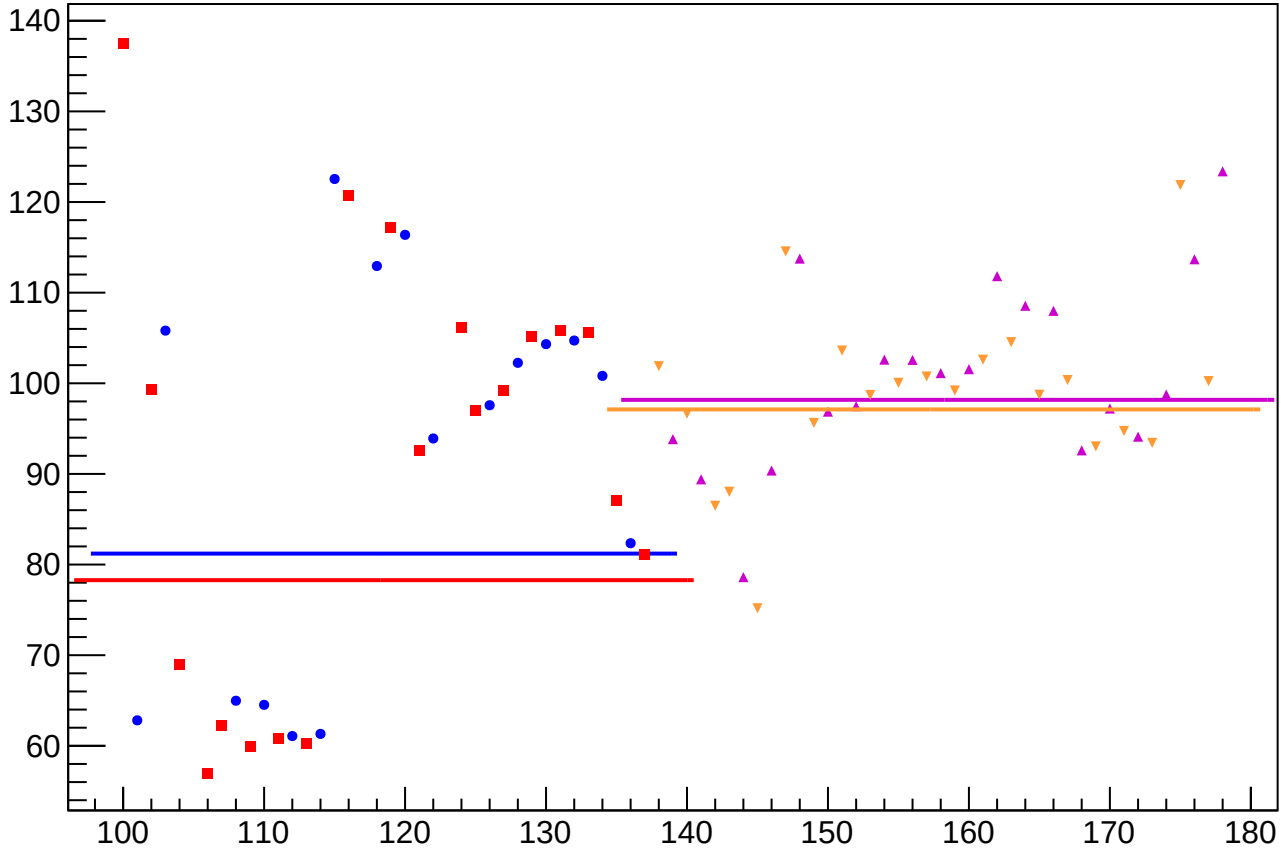
Left In: -38.857+/-24.492 χ^2/NDF:23.5/19

+ sign 22.521+/-19.008 χ^2/NDF: 42.8/36

All: -15.154+/-13.422 χ^2/NDF: 91.7/75

- sign -52.624+/-18.956 χ^2/NDF: 41.0/38

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 97.117+/-0.017 χ^2/NDF:313384.1/20

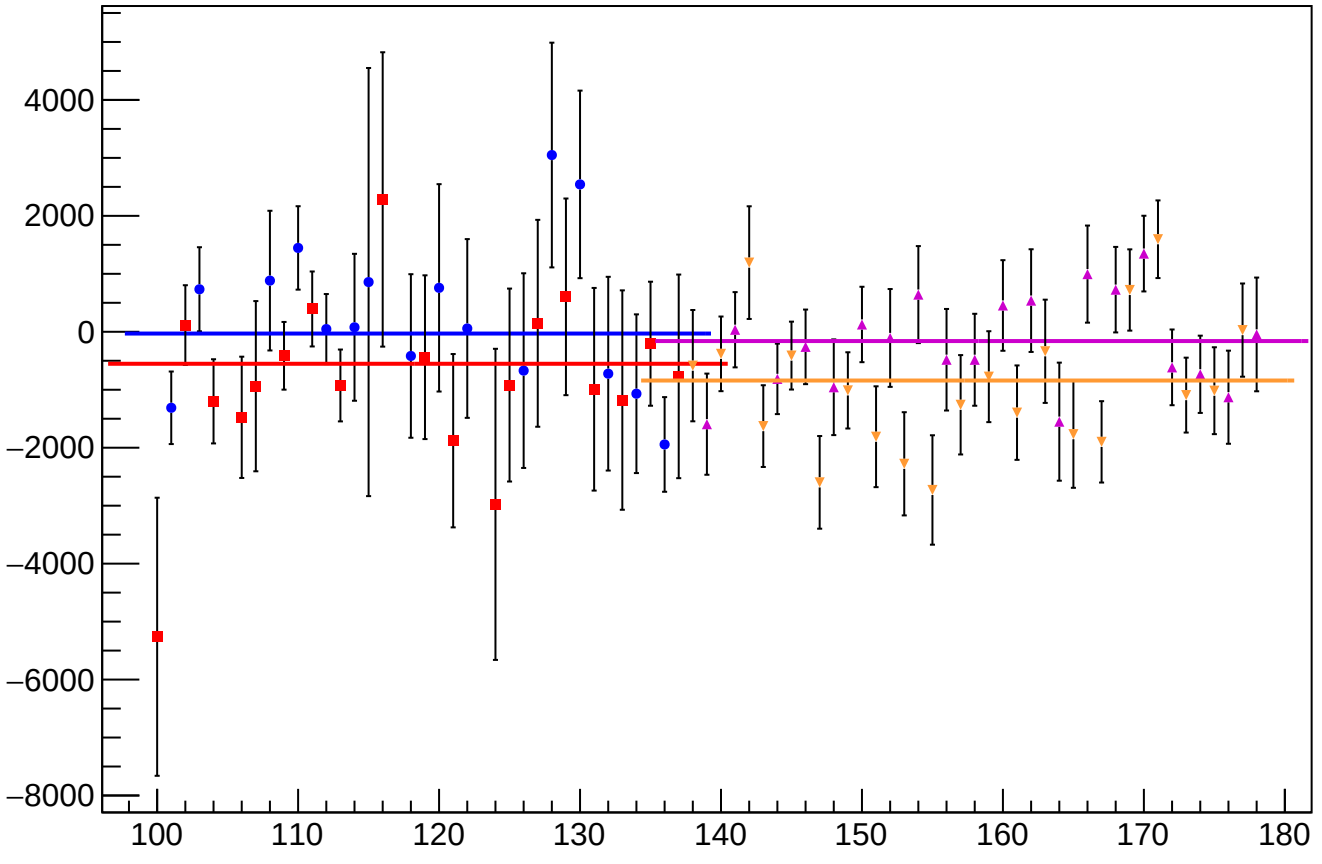
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 98.174+/-0.017 χ^2/NDF:328181.9/19

+ sign 91.224+/-0.013 χ^2/NDF: 1427748.8/36

All: 90.709+/-0.009 χ^2/NDF: 3224806.0/75

- sign 90.197+/-0.013 χ^2/NDF: 1794130.2/38



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -840.769+/-166.656 χ^2/NDF:43.4/20

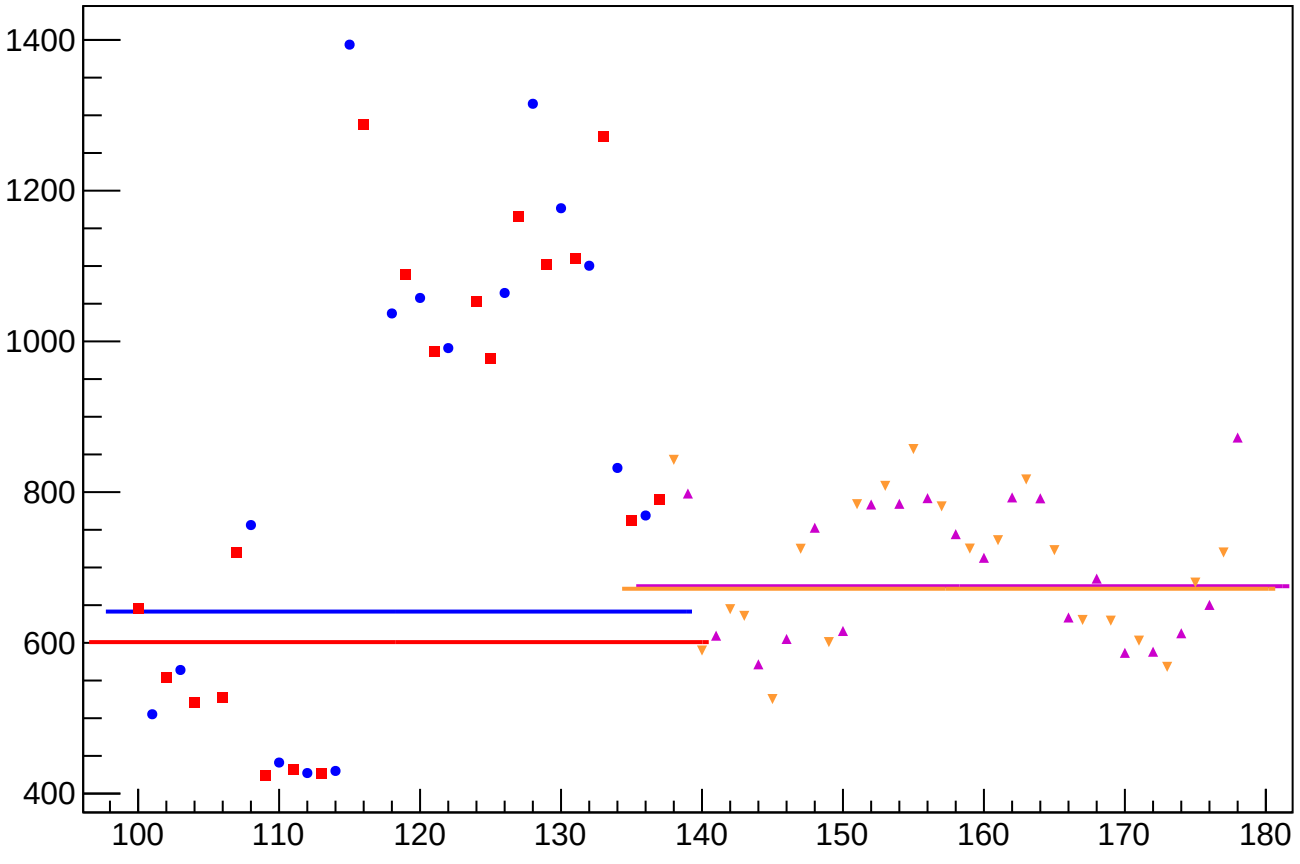
Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: -159.975+/-168.952 χ^2/NDF:20.8/19

+ sign -600.891+/-139.830 χ^2/NDF: 72.2/36

All: -443.705+/-98.182 χ^2/NDF: 110.1/75

- sign -290.847+/-137.892 χ^2/NDF: 35.4/38



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 671.779+/-0.118 χ^2/NDF:624673.2/20

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

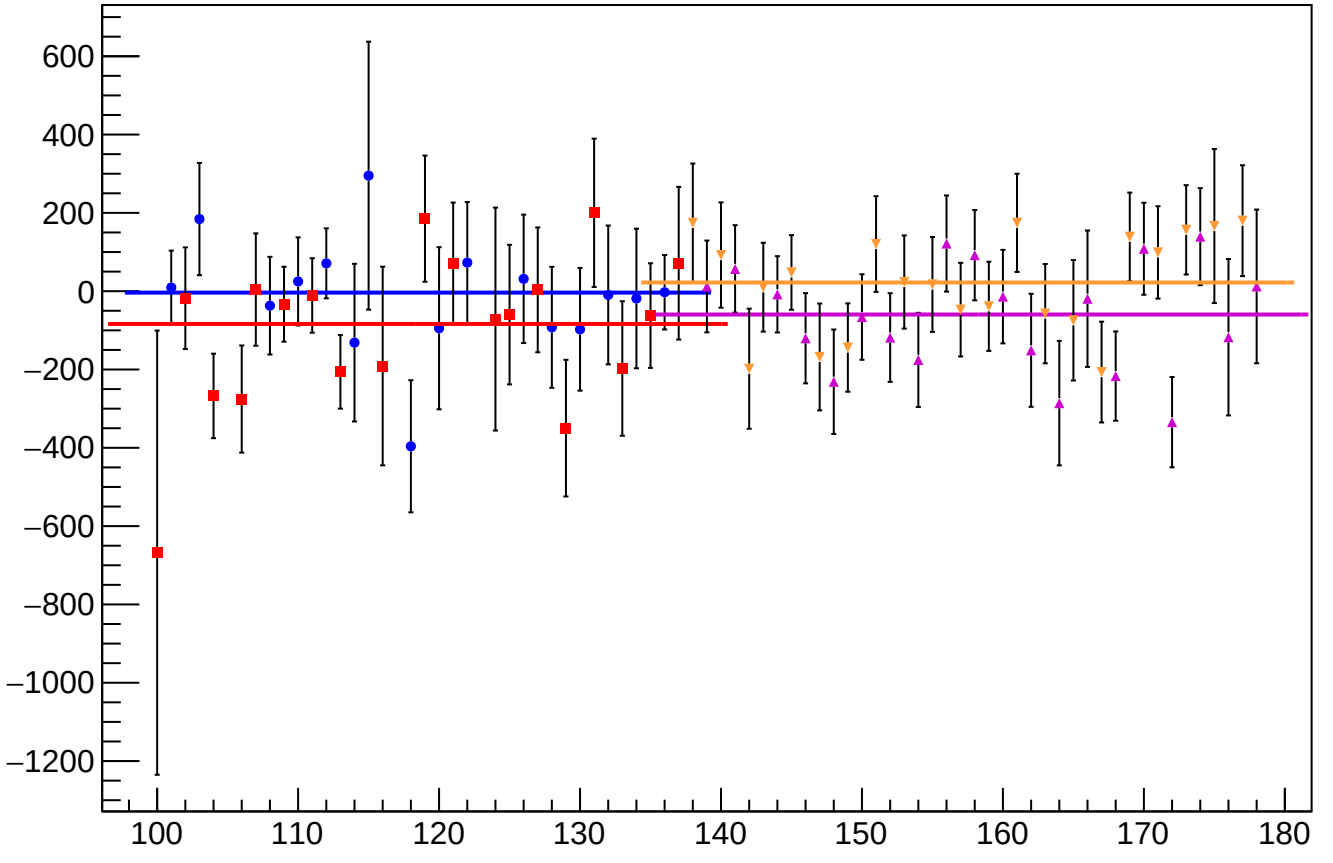
Left In: 675.142+/-0.119 χ^2/NDF:538244.5/19

+ sign 662.818+/-0.099 χ^2/NDF: 2519157.3/36

All: 656.512+/-0.069 χ^2/NDF: 5271338.7/75

- sign 650.379+/-0.098 χ^2/NDF: 2744157.6/38

dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: 22.187+/-27.266 χ^2/NDF:18.9/20

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

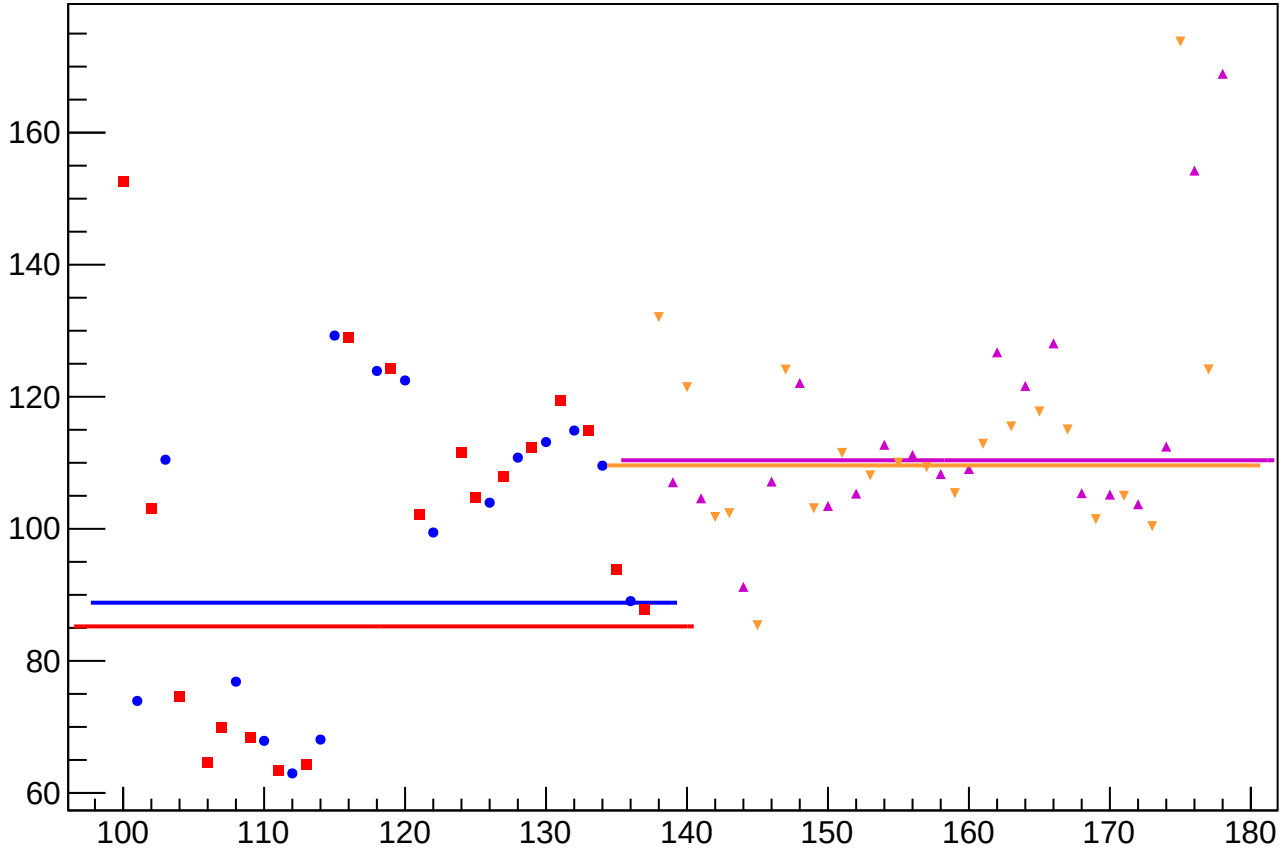
Left In: -59.547+/-27.804 χ^2/NDF:23.8/19

+ sign 12.135+/-21.308 χ^2/NDF: 29.6/36

All: -29.060+/-15.016 χ^2/NDF: 80.2/75

- sign -69.696+/-21.164 χ^2/NDF: 43.2/38

dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 109.605+/-0.019 χ^2/NDF:509898.3/20

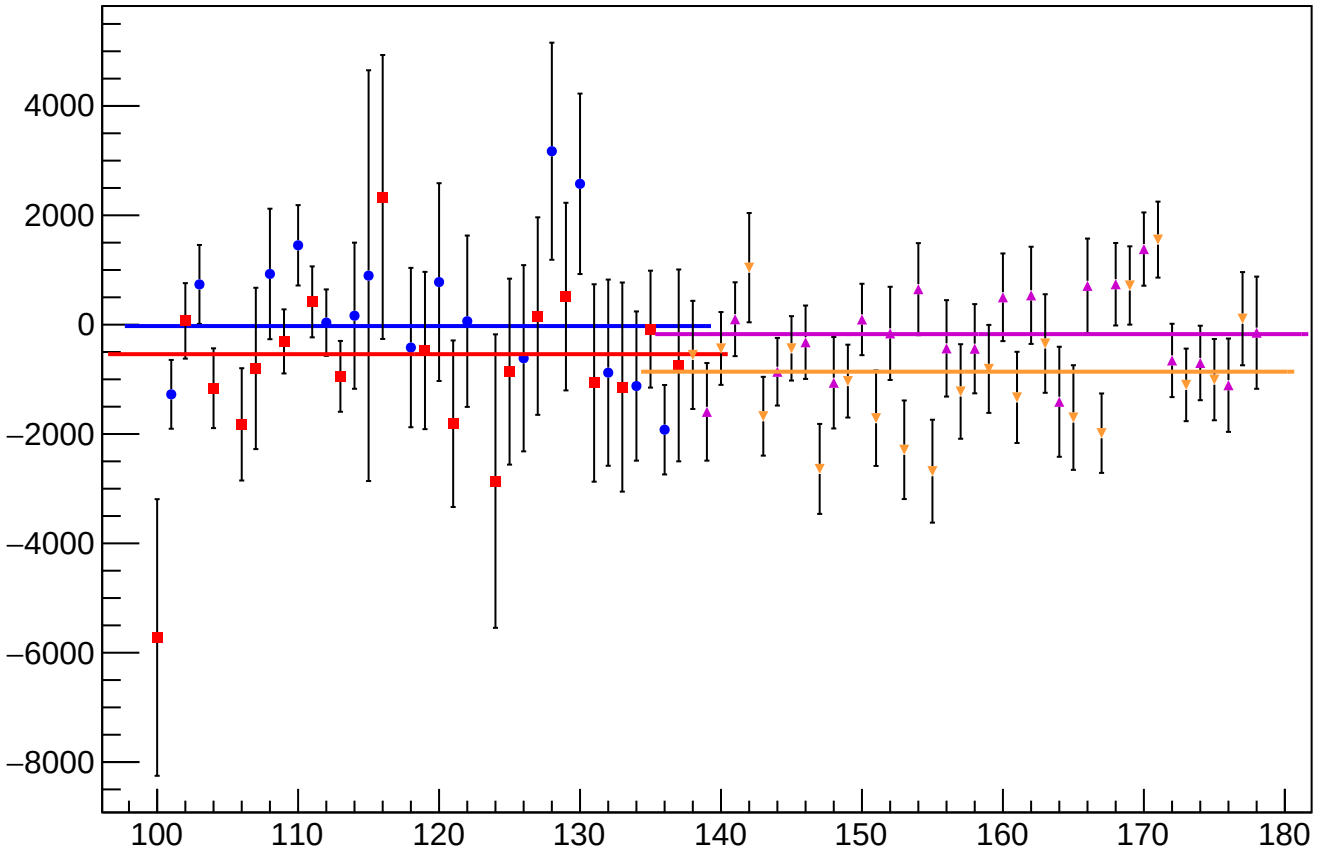
Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

Left In: 110.384+/-0.020 χ^2/NDF:460755.1/19

+ sign 101.511+/-0.015 χ^2/NDF: 1687203.7/36

All: 100.651+/-0.011 χ^2/NDF: 3727318.5/75

- sign 99.802+/-0.015 χ^2/NDF: 2033635.5/38



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -859.953+/-170.235 χ^2/NDF:40.3/20

Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

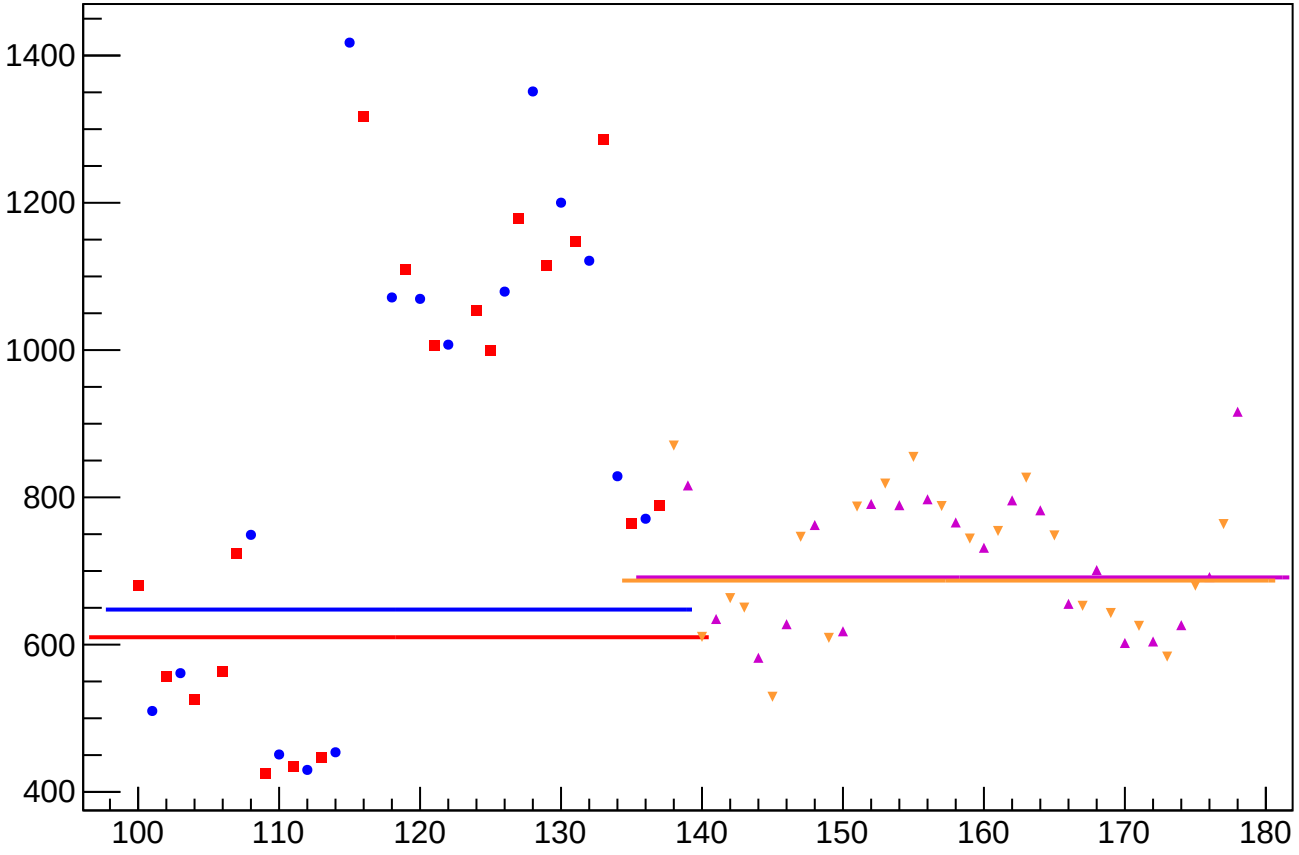
Left In: -173.217+/-172.868 χ^2/NDF:19.5/19

+ sign -608.839+/-142.324 χ^2/NDF: 69.0/36

All: -451.196+/-99.993 χ^2/NDF: 106.1/75

- sign -297.535+/-140.516 χ^2/NDF: 34.7/38

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 687.020+/-0.120 χ^2/NDF:614907.9/20

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

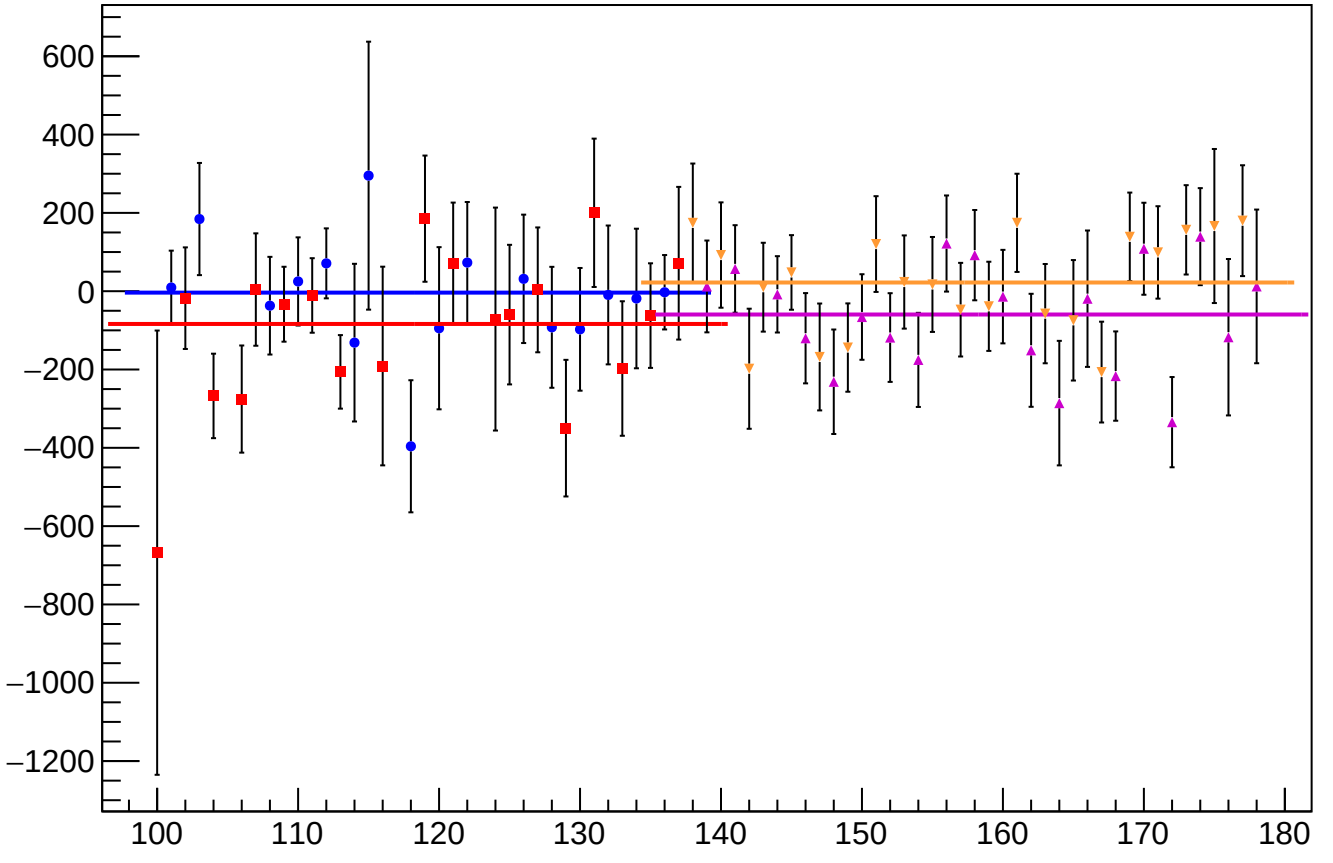
Left In: 691.288+/-0.122 χ^2/NDF:509442.3/19

+ sign 675.166+/-0.101 χ^2/NDF: 2534940.8/36

All: 669.374+/-0.071 χ^2/NDF: 5274987.7/75

- sign 663.729+/-0.099 χ^2/NDF: 2733507.5/38

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: 22.188+/-27.267 χ^2/NDF:18.9/20

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

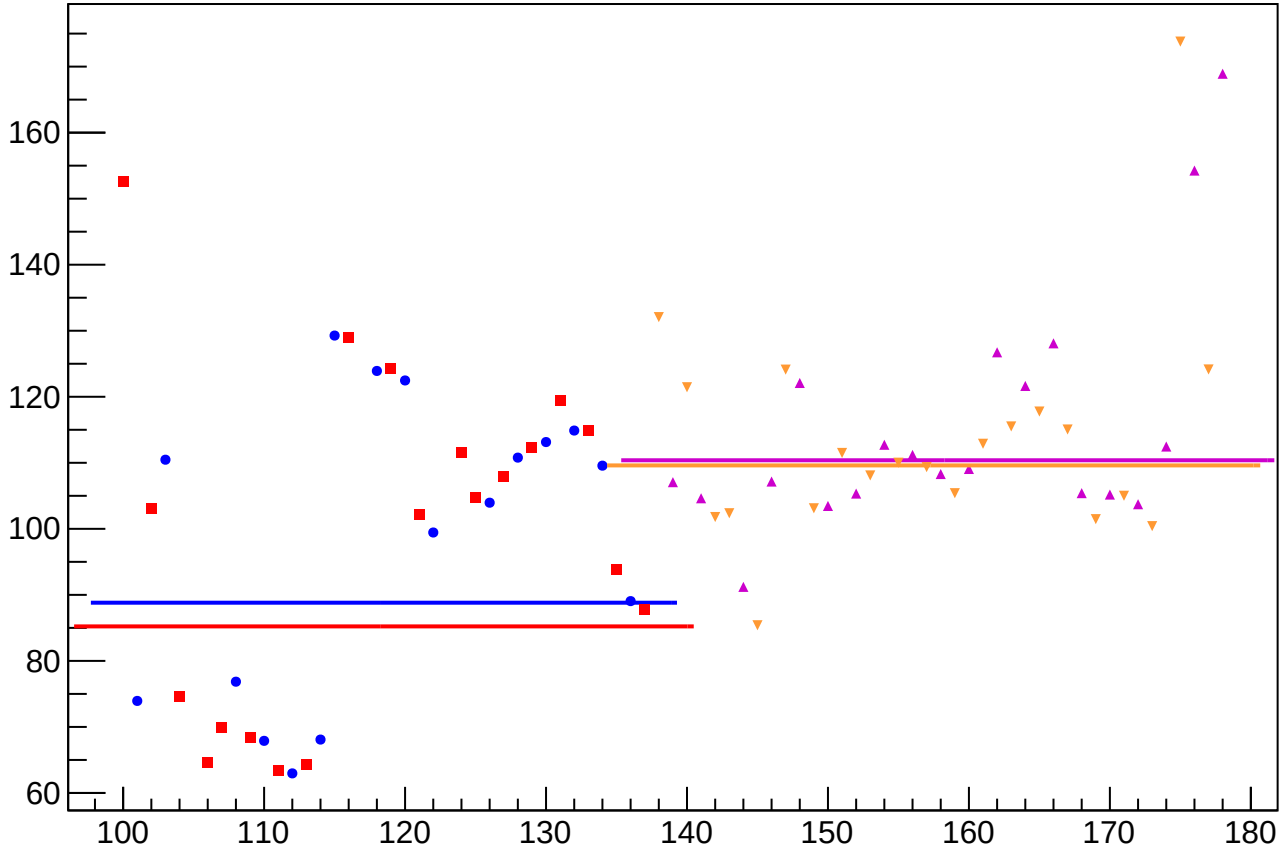
Left In: -59.547+/-27.804 χ^2/NDF:23.8/19

+ sign 12.136+/-21.308 χ^2/NDF: 29.6/36

All: -29.059+/-15.016 χ^2/NDF: 80.2/75

- sign -69.696+/-21.164 χ^2/NDF: 43.2/38

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 109.605+/-0.019 χ^2/NDF:509891.2/20

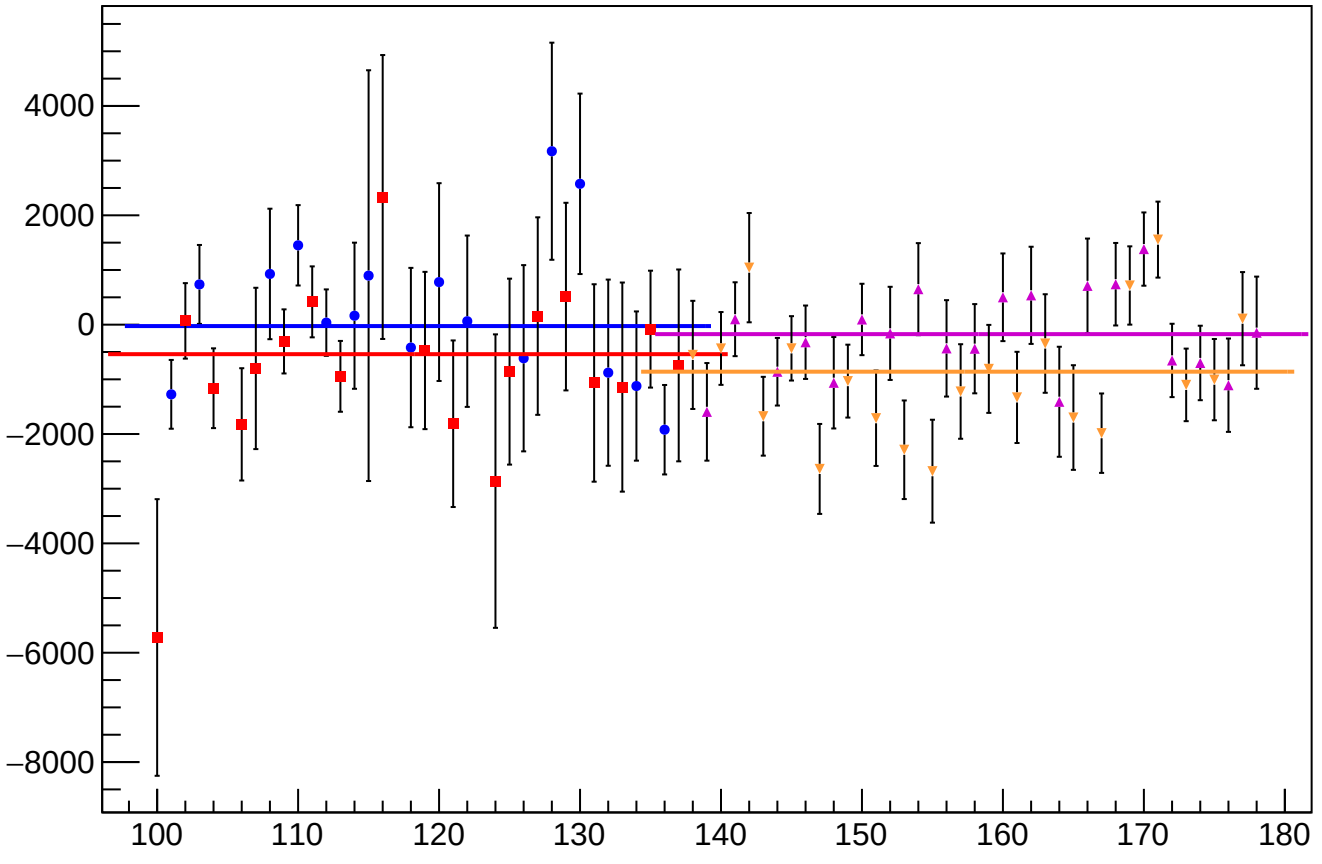
Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 110.384+/-0.020 χ^2/NDF:460740.7/19

+ sign 101.511+/-0.015 χ^2/NDF: 1687202.2/36

All: 100.651+/-0.011 χ^2/NDF: 3727314.4/75

- sign 99.802+/-0.015 χ^2/NDF: 2033633.0/38



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -859.952+/-170.235 χ^2/NDF:40.3/20

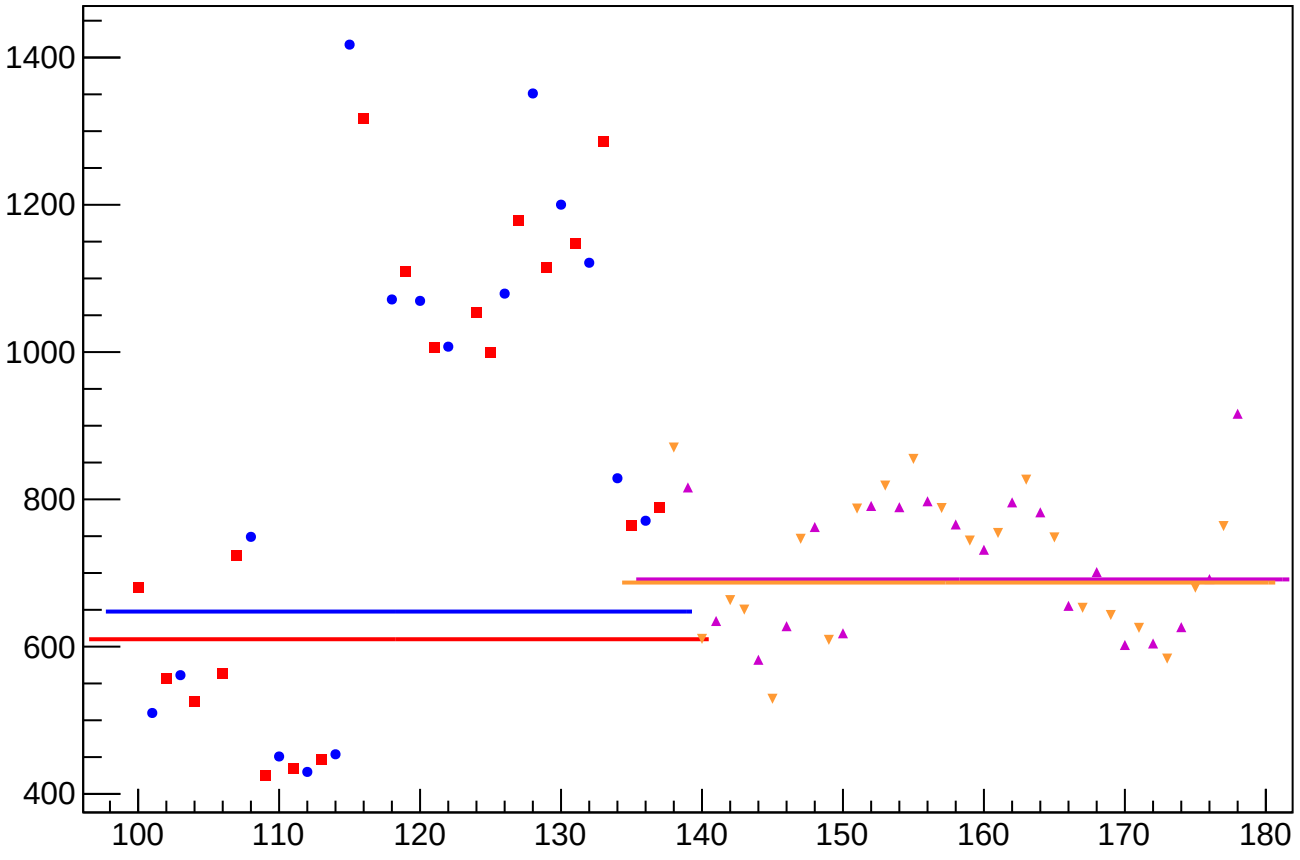
Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: -173.216+/-172.868 χ^2/NDF:19.5/19

+ sign -608.837+/-142.324 χ^2/NDF: 69.0/36

All: -451.195+/-99.993 χ^2/NDF: 106.1/75

- sign -297.534+/-140.515 χ^2/NDF: 34.7/38



Right In: 647.640+/-0.183 χ^2/NDF: 1887820.6/15

Left Out: 687.019+/-0.120 χ^2/NDF:614907.7/20

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

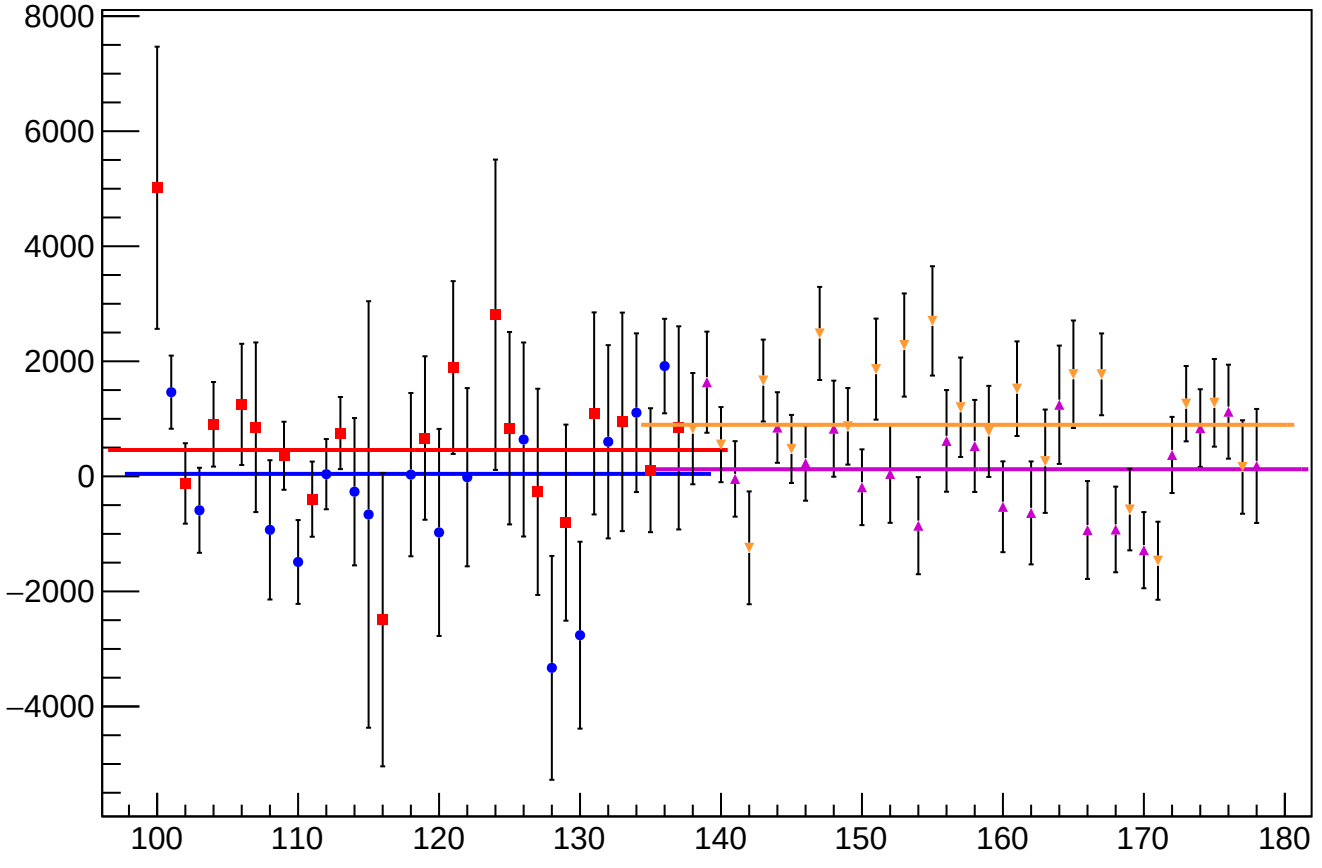
Left In: 691.287+/-0.122 χ^2/NDF:509438.5/19

+ sign 675.165+/-0.101 χ^2/NDF: 2534945.5/36

All: 669.374+/-0.071 χ^2/NDF: 5274992.0/75

- sign 663.729+/-0.099 χ^2/NDF: 2733507.1/38

asym_sam_1548_avg_mean vs Slug



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 896.366+/-168.497 χ^2/NDF:39.2/20

Right Out: 458.111+/-241.118 χ^2/NDF: 11.3/18

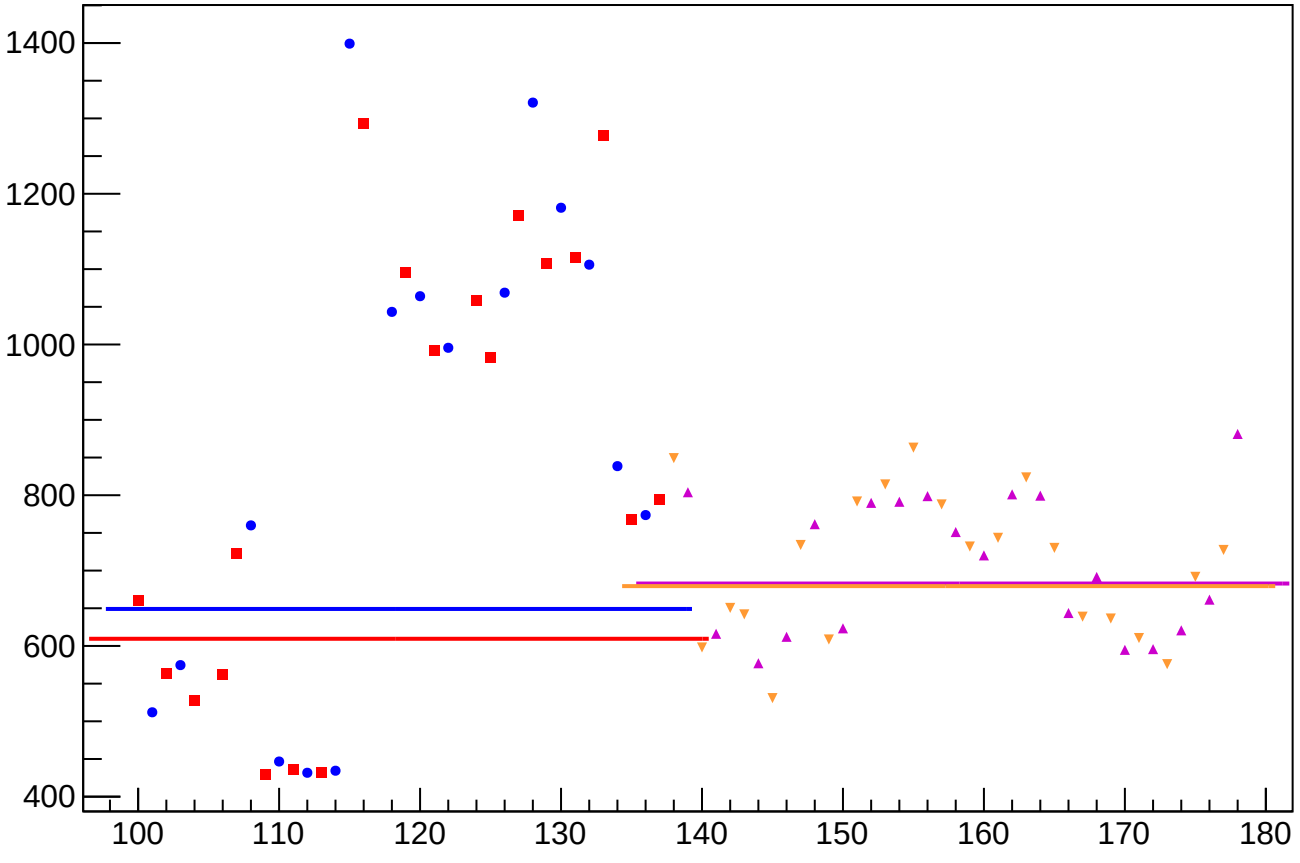
Left In: 123.942+/-170.835 χ^2/NDF:20.7/19

+ sign 643.733+/-141.367 χ^2/NDF: 70.1/36

All: 436.812+/-99.257 χ^2/NDF: 107.5/75

- sign 235.627+/-139.394 χ^2/NDF: 33.3/38

asym_sam_1548_avg_rms vs Slug



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 679.389+/-0.119 χ^2/NDF:612536.6/20

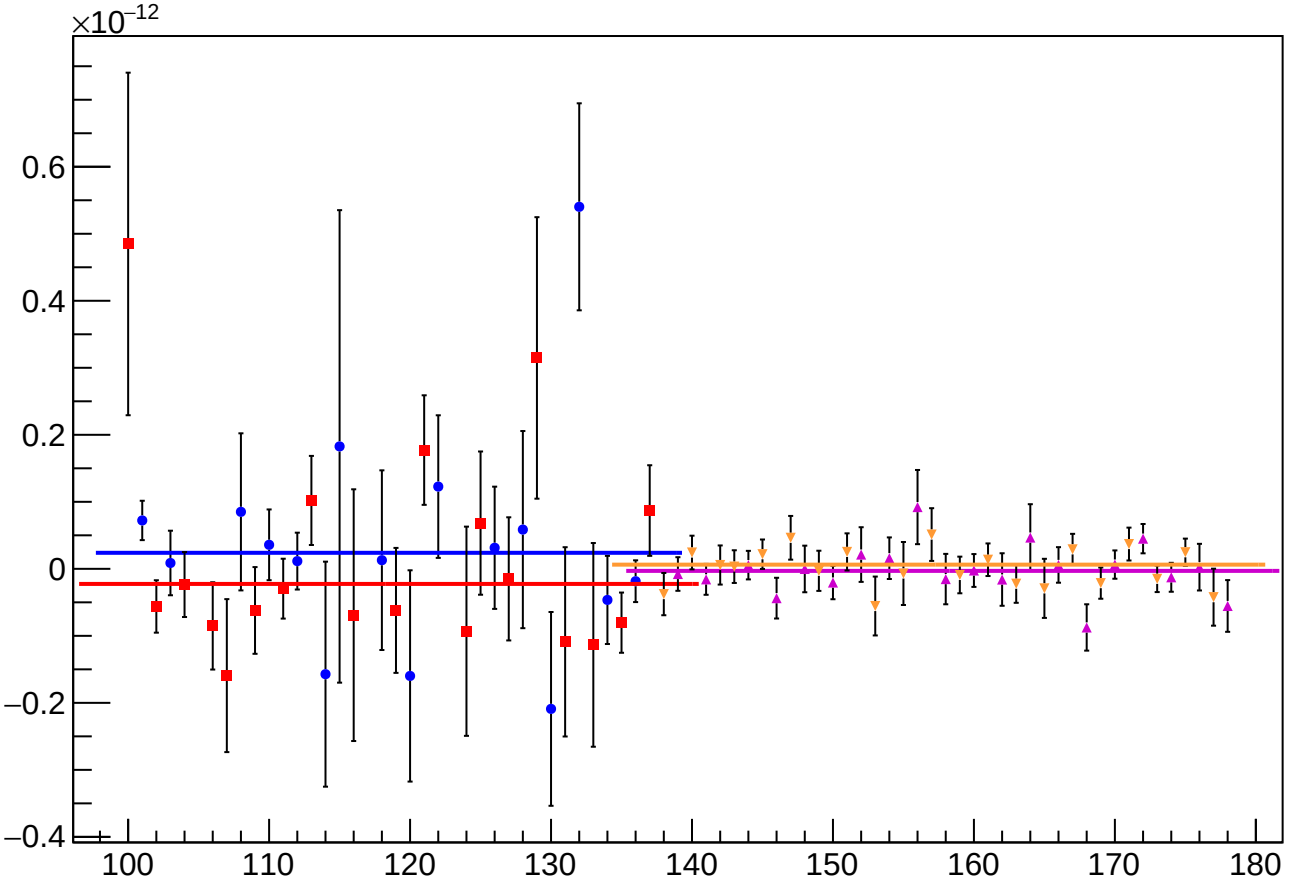
Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 682.817+/-0.121 χ^2/NDF:527640.3/19

+ sign 670.418+/-0.100 χ^2/NDF: 2477499.7/36

All: 664.283+/-0.070 χ^2/NDF: 5179220.7/75

- sign 658.319+/-0.099 χ^2/NDF: 2694293.2/38



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.7/20

Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

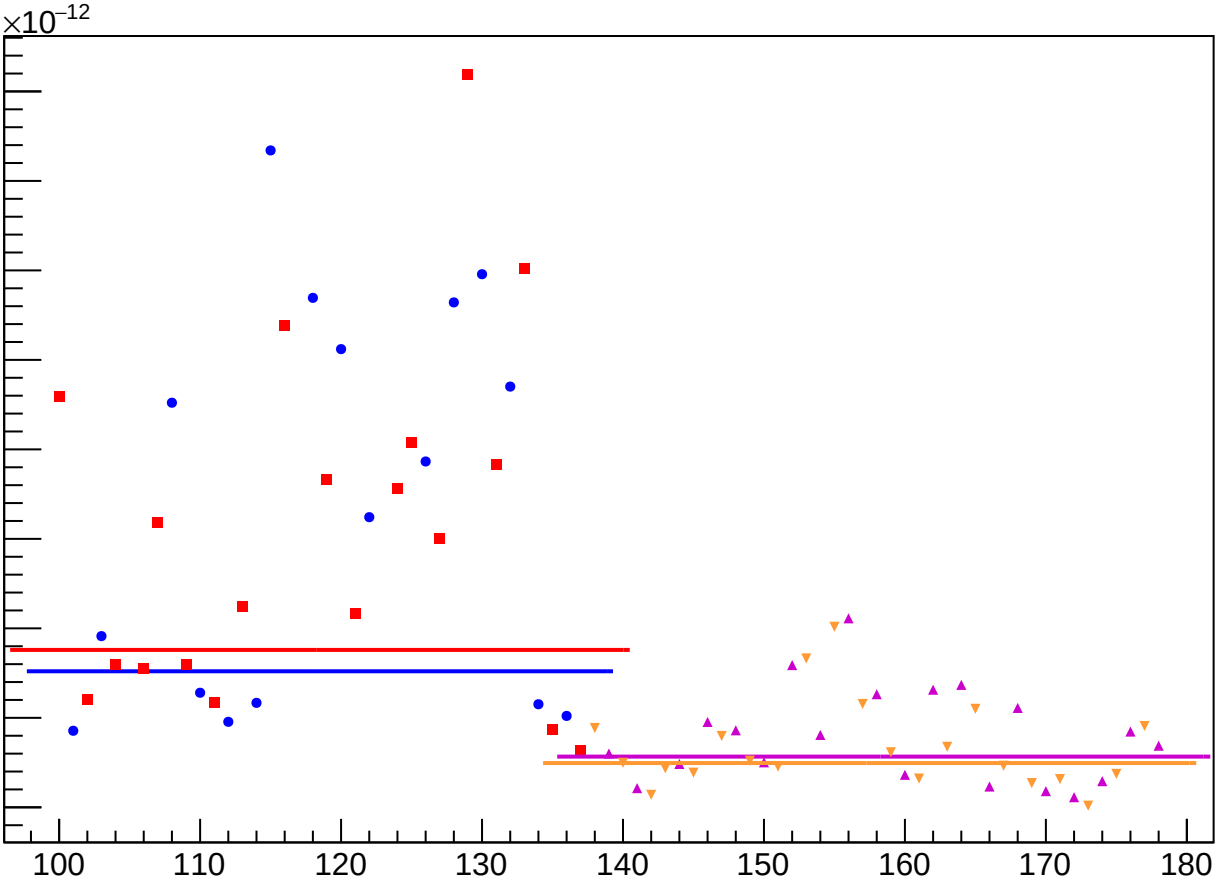
Left In: -0.000+/-0.000 χ^2/NDF:20.8/19

+ sign 0.000+/-0.000 χ^2/NDF: 42.5/36

All: 0.000+/-0.000 χ^2/NDF: 93.3/75

- sign -0.000+/-0.000 χ^2/NDF: 47.8/38

asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1312245.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:723218.4/20

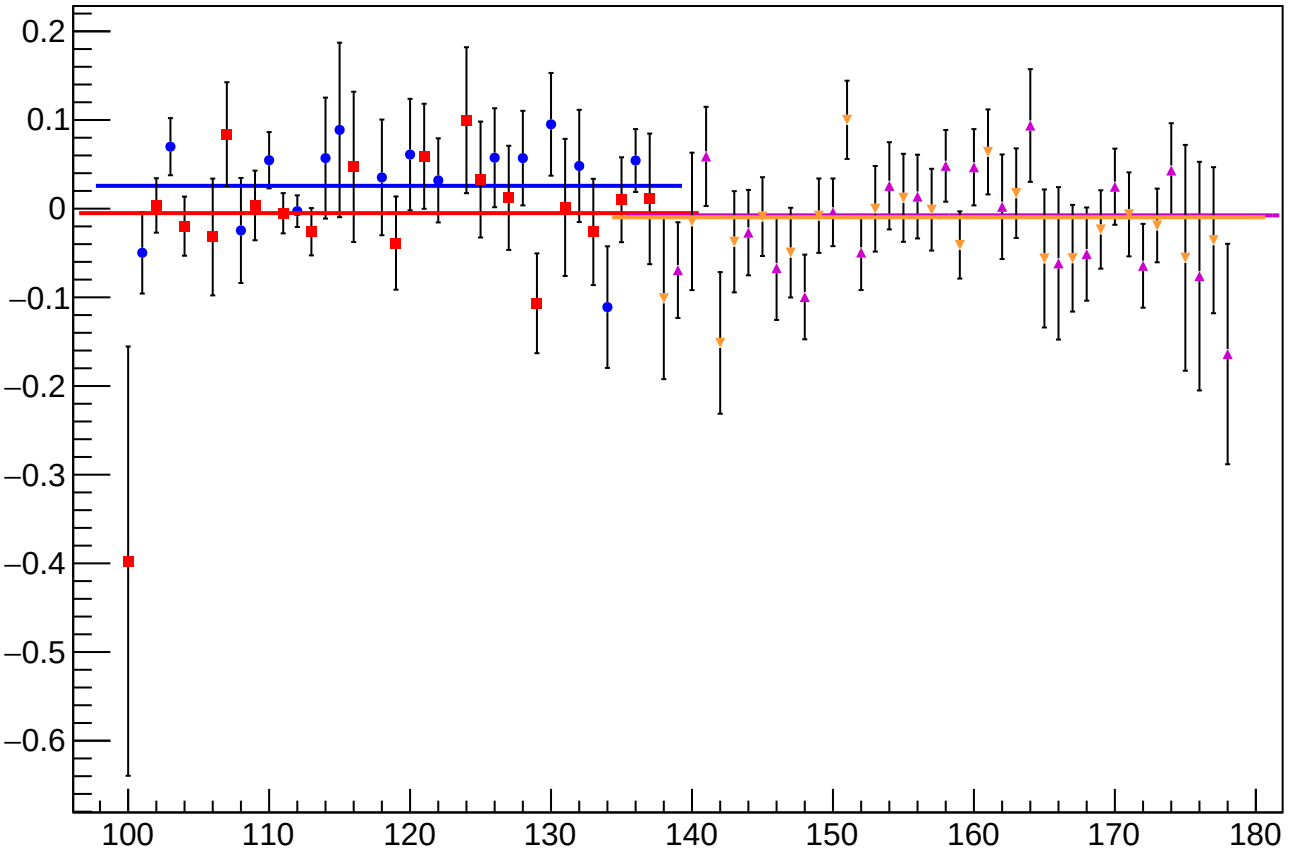
Right Out: 0.000+/-0.000 χ^2/NDF: 988490.8/18

Left In: 0.000+/-0.000 χ^2/NDF:880564.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 2823509.1/36

All: 0.000+/-0.000 χ^2/NDF: 5643157.9/75

- sign 0.000+/-0.000 χ^2/NDF: 2794065.3/38



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.010+/-0.011 χ^2/NDF:16.1/20

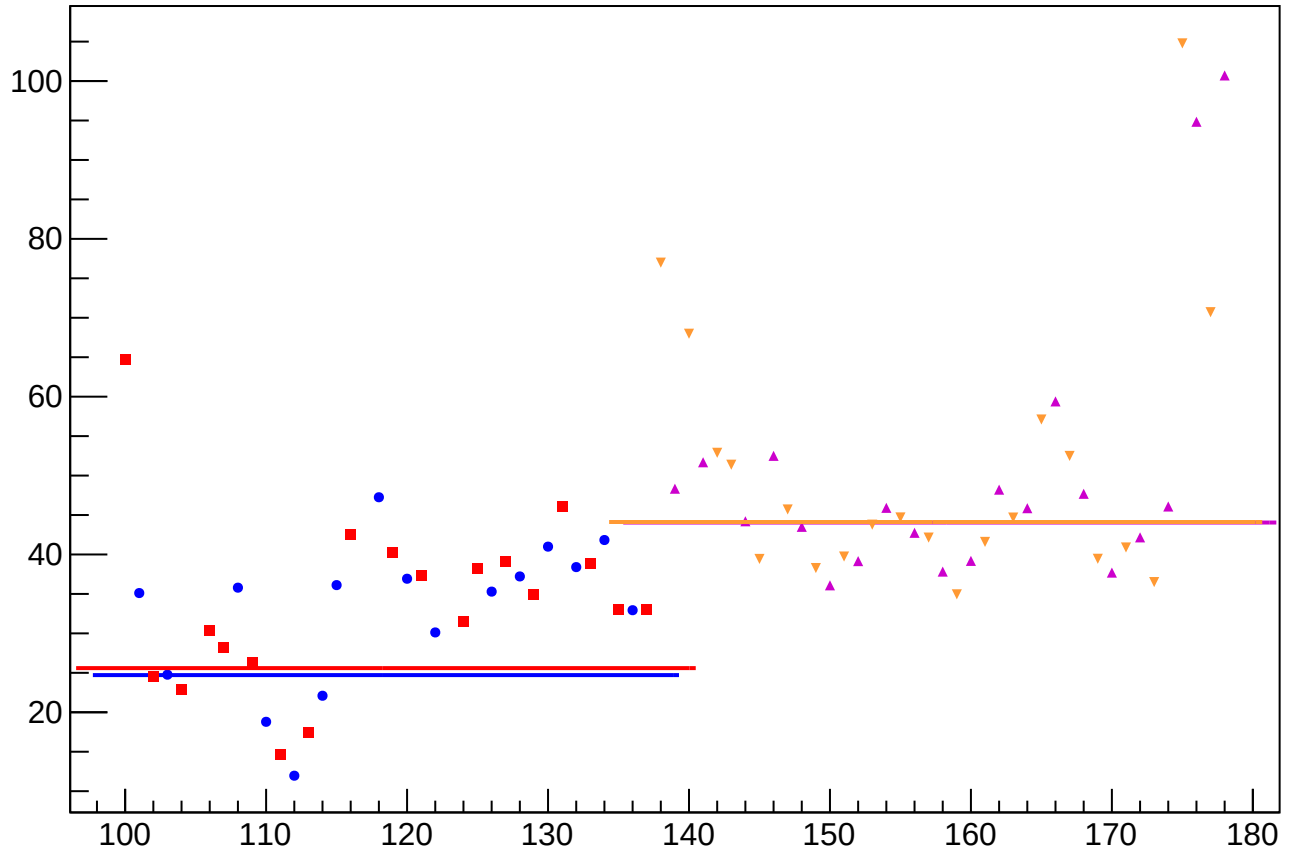
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.008+/-0.011 χ^2/NDF:21.2/19

+ sign 0.010+/-0.008 χ^2/NDF: 38.0/36

All: 0.002+/-0.005 χ^2/NDF: 74.9/75

- sign -0.006+/-0.008 χ^2/NDF: 34.9/38



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 44.116+/-0.008 χ^2/NDF:1571179.8/20

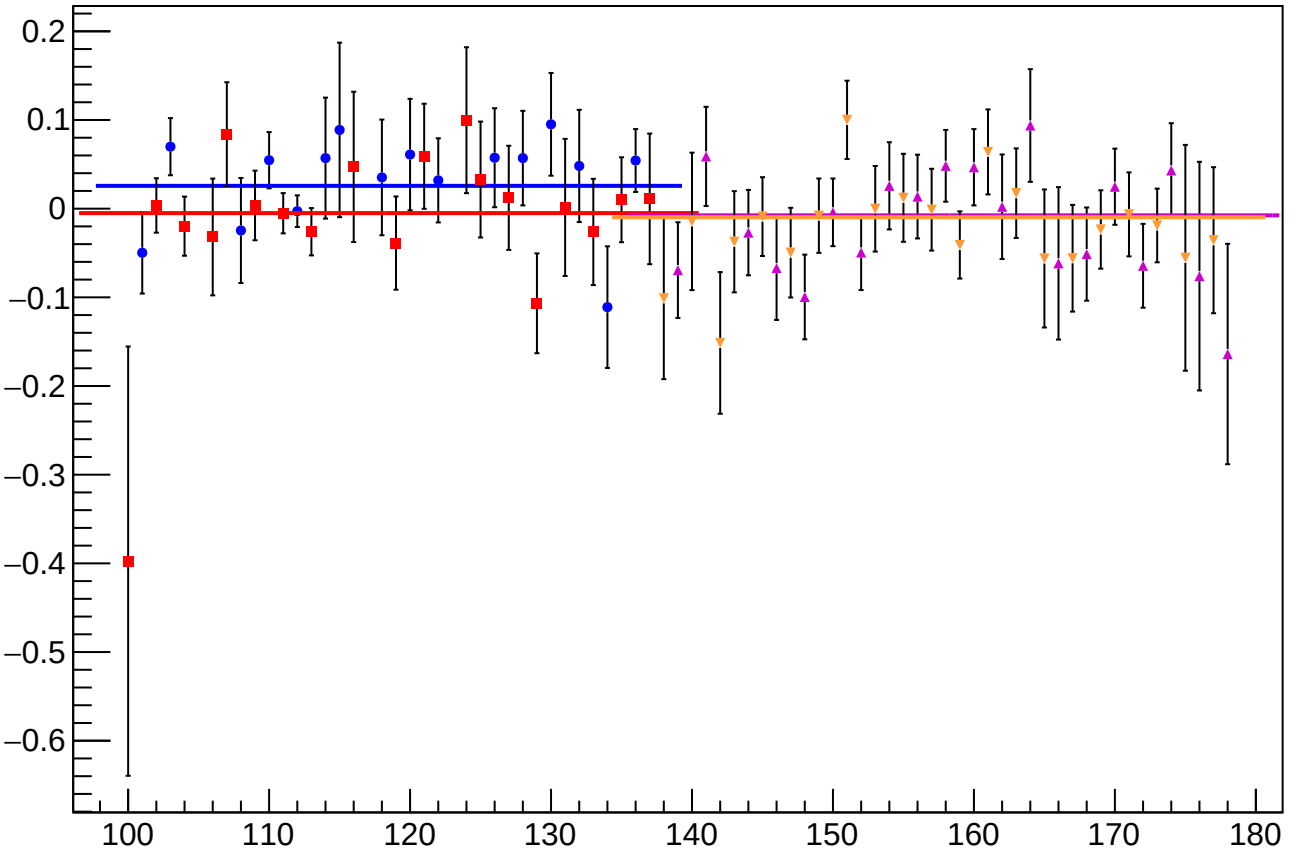
Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 44.048+/-0.008 χ^2/NDF:1143741.4/19

+ sign 33.518+/-0.005 χ^2/NDF: 7052300.0/36

All: 33.691+/-0.004 χ^2/NDF: 12652453.6/75

- sign 33.865+/-0.005 χ^2/NDF: 5598112.2/38



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.010+/-0.011 χ^2/NDF:16.1/20

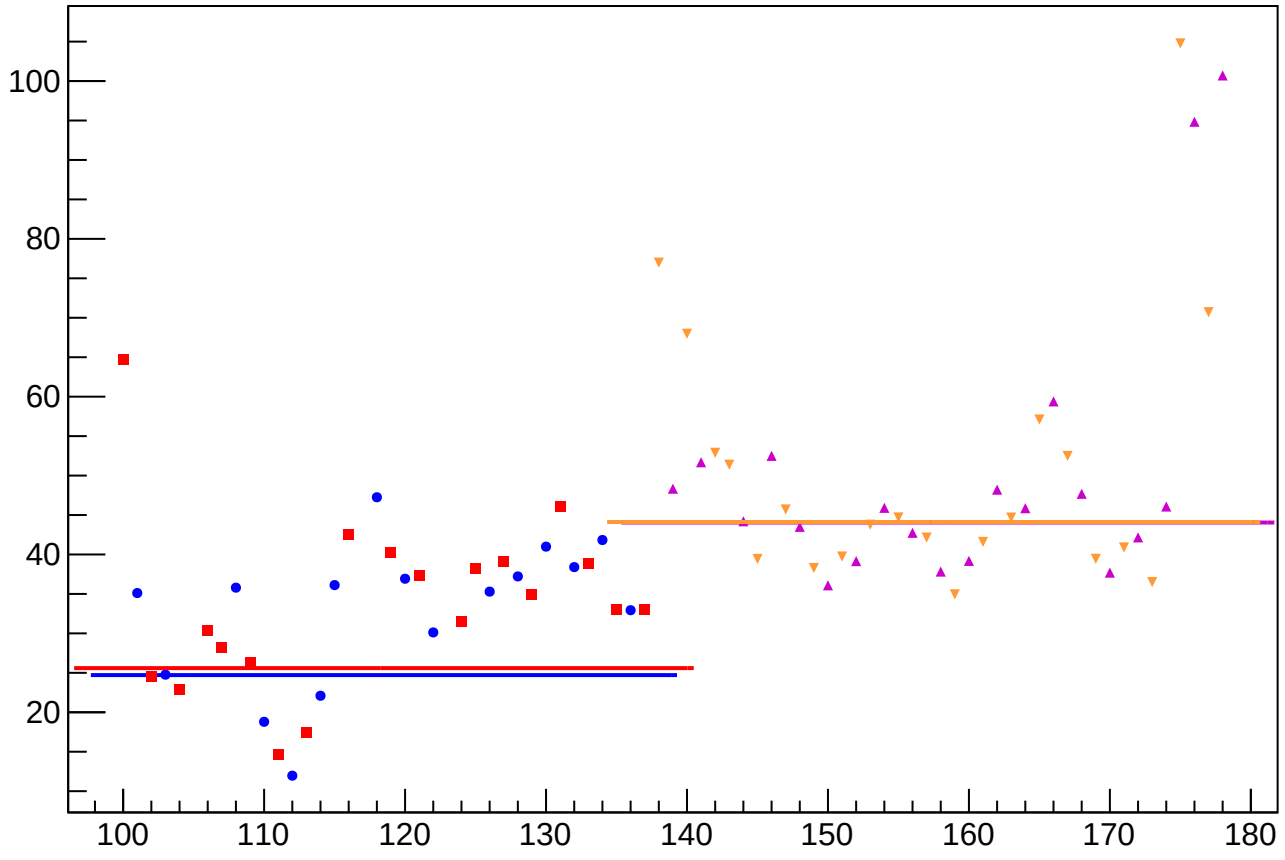
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.008+/-0.011 χ^2/NDF:21.2/19

+ sign 0.010+/-0.008 χ^2/NDF: 38.0/36

All: 0.002+/-0.005 χ^2/NDF: 74.9/75

- sign -0.006+/-0.008 χ^2/NDF: 34.9/38



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 44.116+/-0.008 χ^2/NDF:1571179.8/20

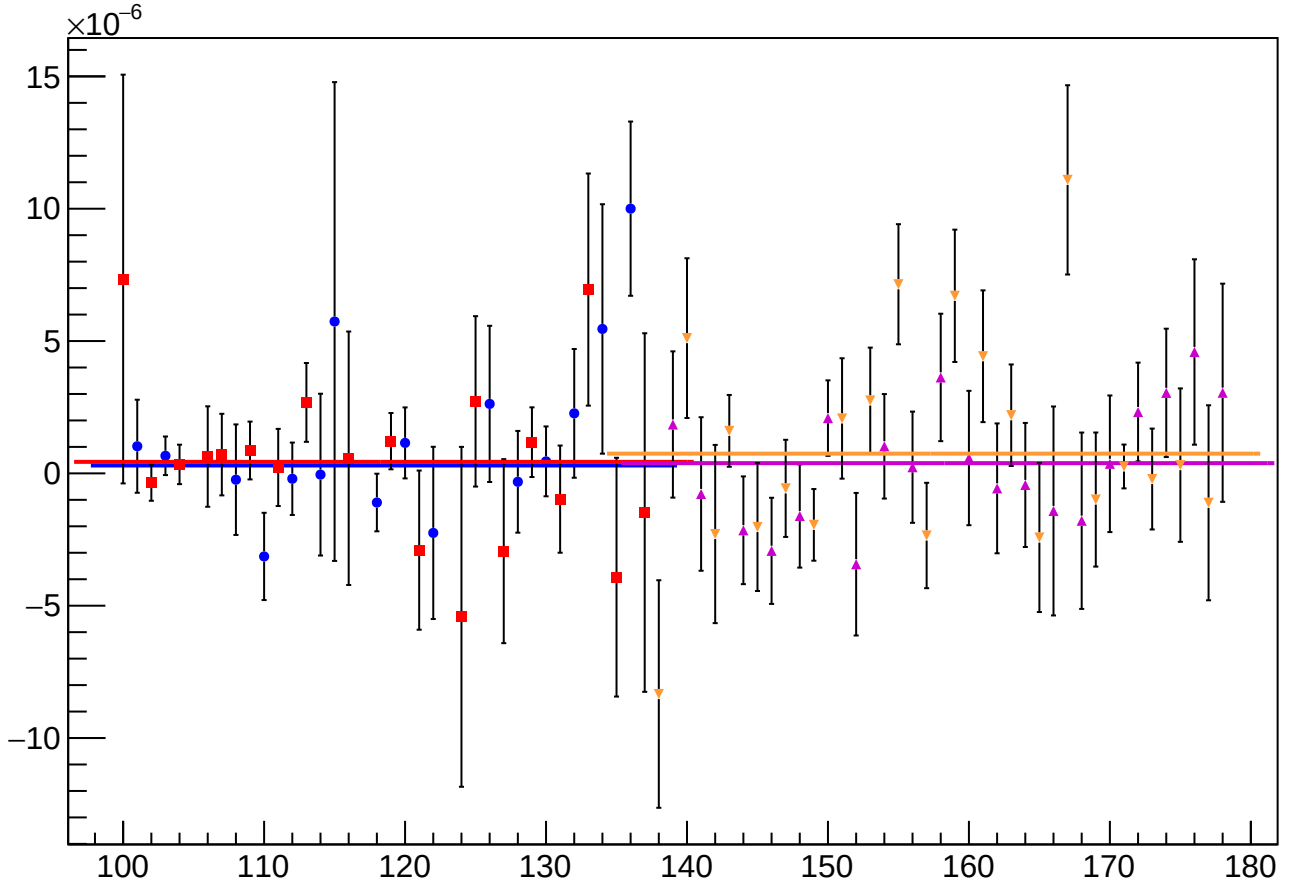
Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 44.048+/-0.008 χ^2/NDF:1143741.4/19

+ sign 33.518+/-0.005 χ^2/NDF: 7052300.0/36

All: 33.691+/-0.004 χ^2/NDF: 12652453.6/75

- sign 33.865+/-0.005 χ^2/NDF: 5598112.2/38



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:44.7/20

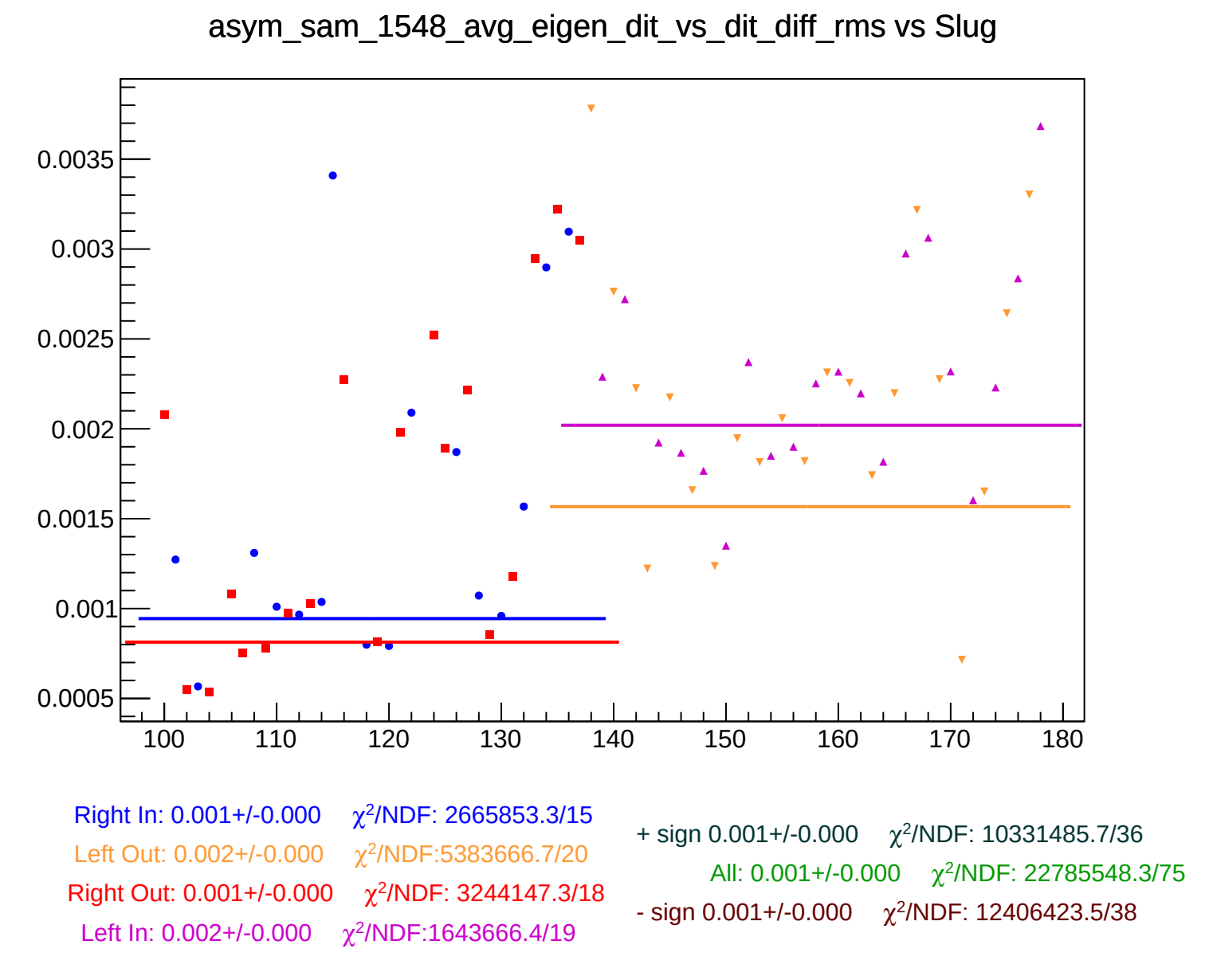
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

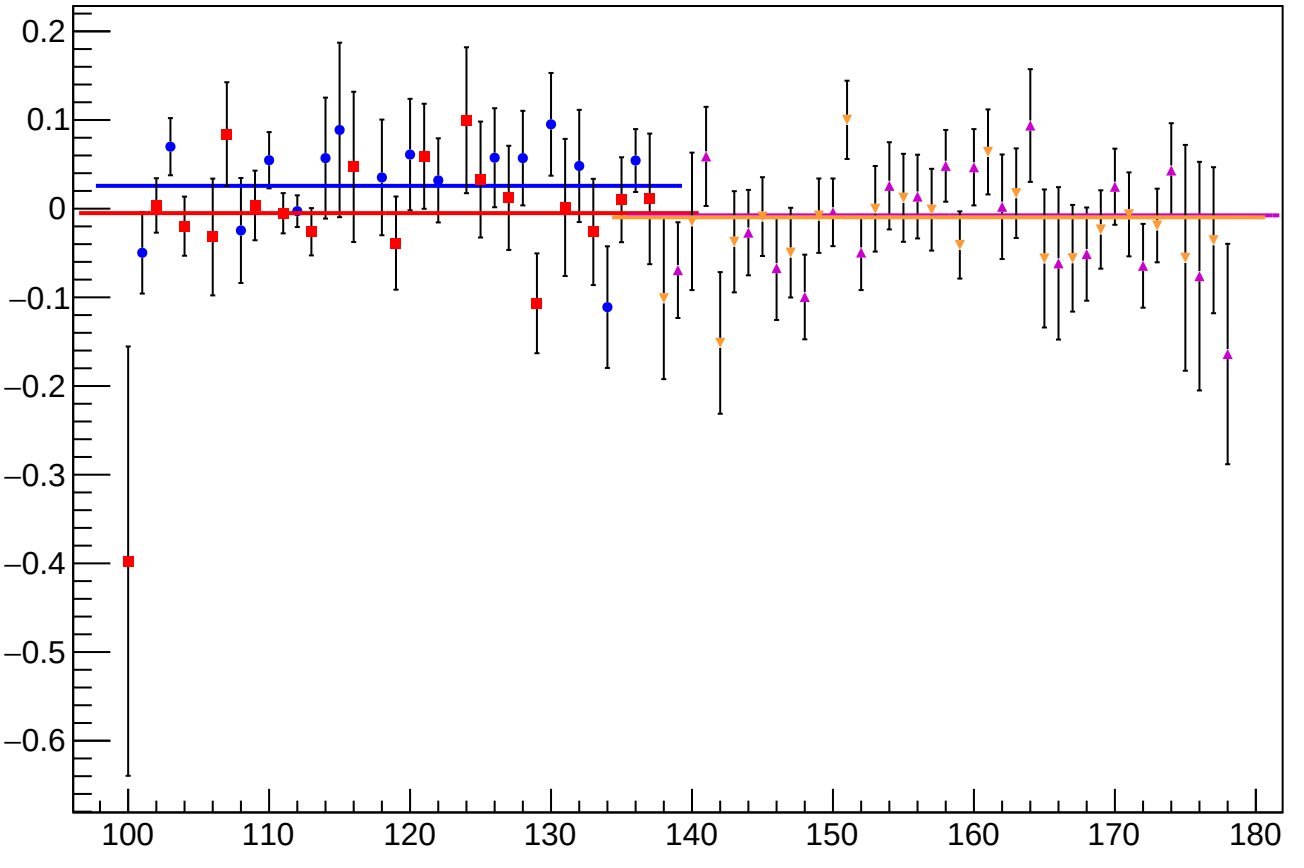
Left In: 0.000+/-0.000 χ^2/NDF:16.2/19

+ sign 0.000+/-0.000 χ^2/NDF: 64.6/36

All: 0.000+/-0.000 χ^2/NDF: 93.5/75

- sign 0.000+/-0.000 χ^2/NDF: 28.9/38


asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 2665853.3/15
Left Out: 0.002+/-0.000 χ²/NDF:5383666.7/20
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:1643666.4/19
+ sign 0.001+/-0.000 χ²/NDF: 10331485.7/36
All: 0.001+/-0.000 χ²/NDF: 22785548.3/75
- sign 0.001+/-0.000 χ²/NDF: 12406423.5/38



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.010+/-0.011 χ^2/NDF:16.1/20

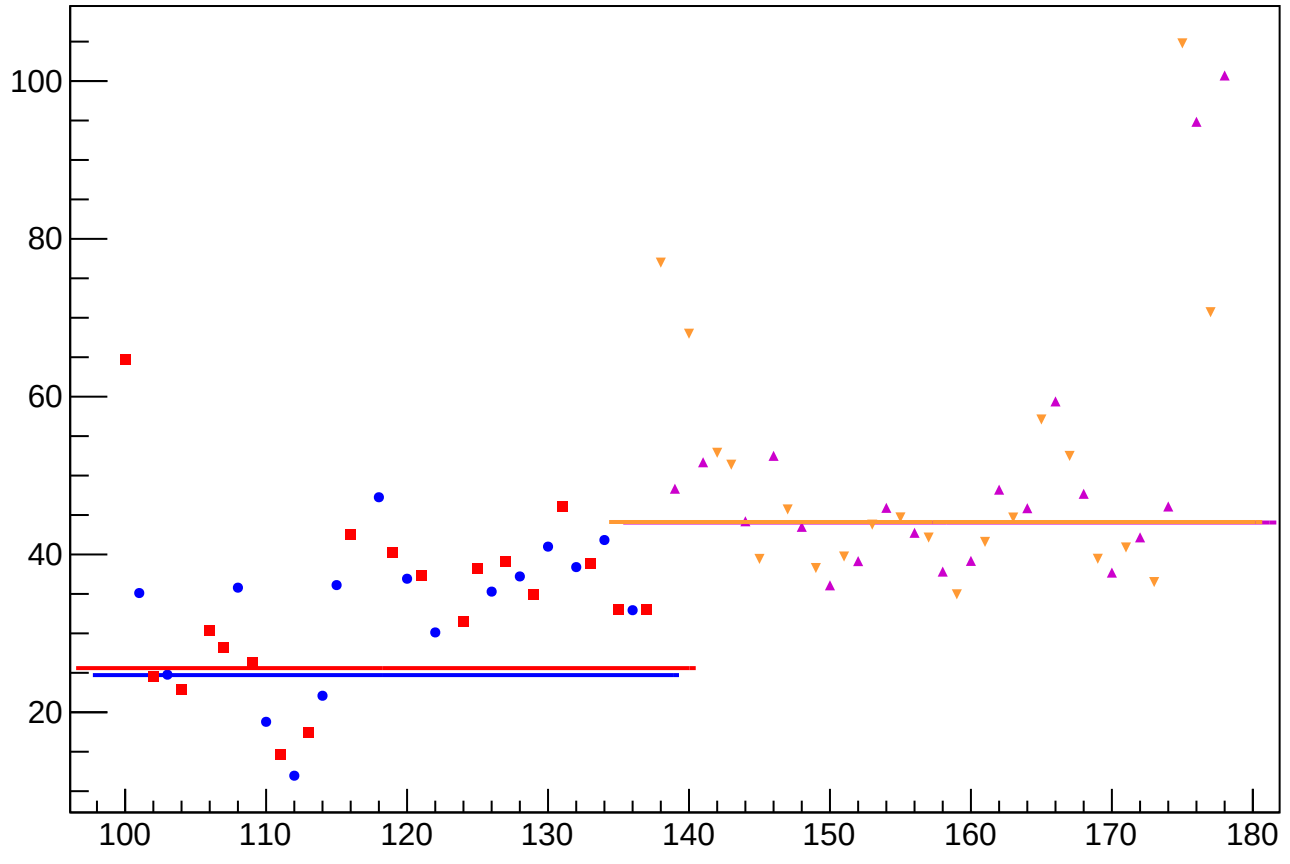
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.008+/-0.011 χ^2/NDF:21.2/19

+ sign 0.010+/-0.008 χ^2/NDF: 38.0/36

All: 0.002+/-0.005 χ^2/NDF: 74.9/75

- sign -0.006+/-0.008 χ^2/NDF: 34.9/38



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 44.116+/-0.008 χ^2/NDF:1571122.6/20

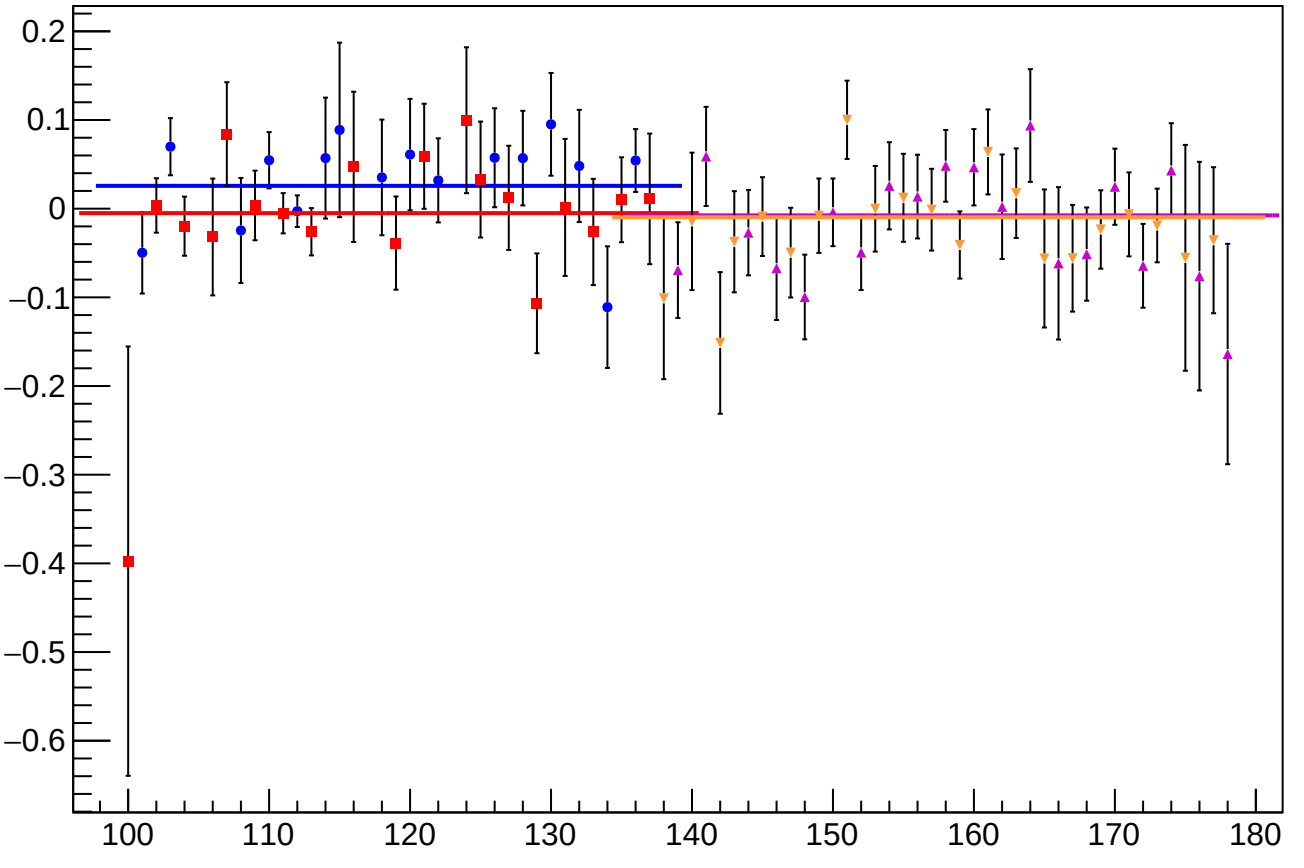
Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 44.049+/-0.008 χ^2/NDF:1143678.4/19

+ sign 33.518+/-0.005 χ^2/NDF: 7052742.3/36

All: 33.691+/-0.004 χ^2/NDF: 12653241.6/75

- sign 33.865+/-0.005 χ^2/NDF: 5598456.2/38



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.010+/-0.011 χ^2/NDF:16.1/20

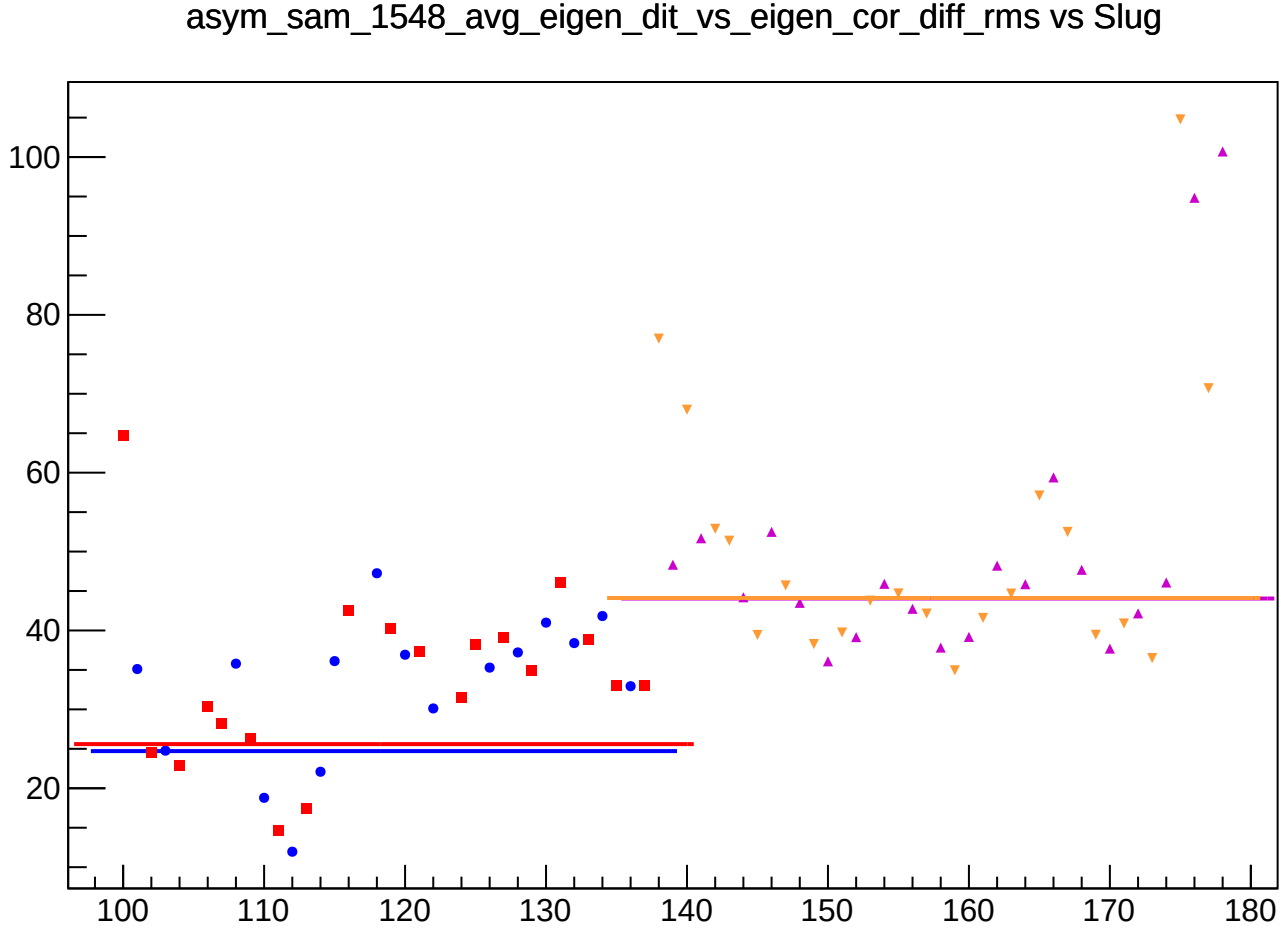
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.008+/-0.011 χ^2/NDF:21.2/19

+ sign 0.010+/-0.008 χ^2/NDF: 38.0/36

All: 0.002+/-0.005 χ^2/NDF: 74.9/75

- sign -0.006+/-0.008 χ^2/NDF: 34.9/38



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 44.116+/-0.008 χ^2/NDF:1571122.6/20

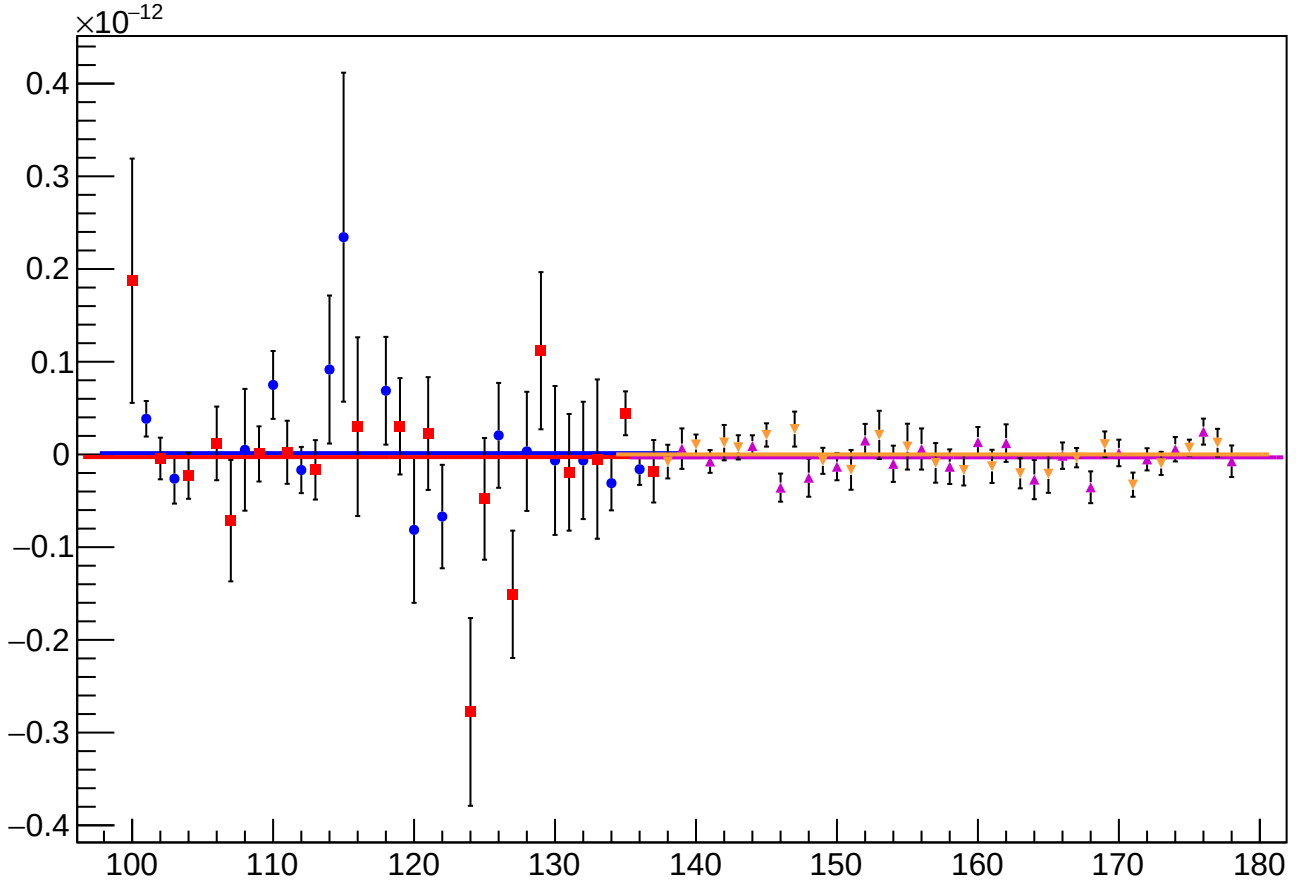
Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 44.049+/-0.008 χ^2/NDF:1143678.4/19

+ sign 33.518+/-0.005 χ^2/NDF: 7052742.3/36

All: 33.691+/-0.004 χ^2/NDF: 12653241.6/75

- sign 33.865+/-0.005 χ^2/NDF: 5598456.2/38



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/20

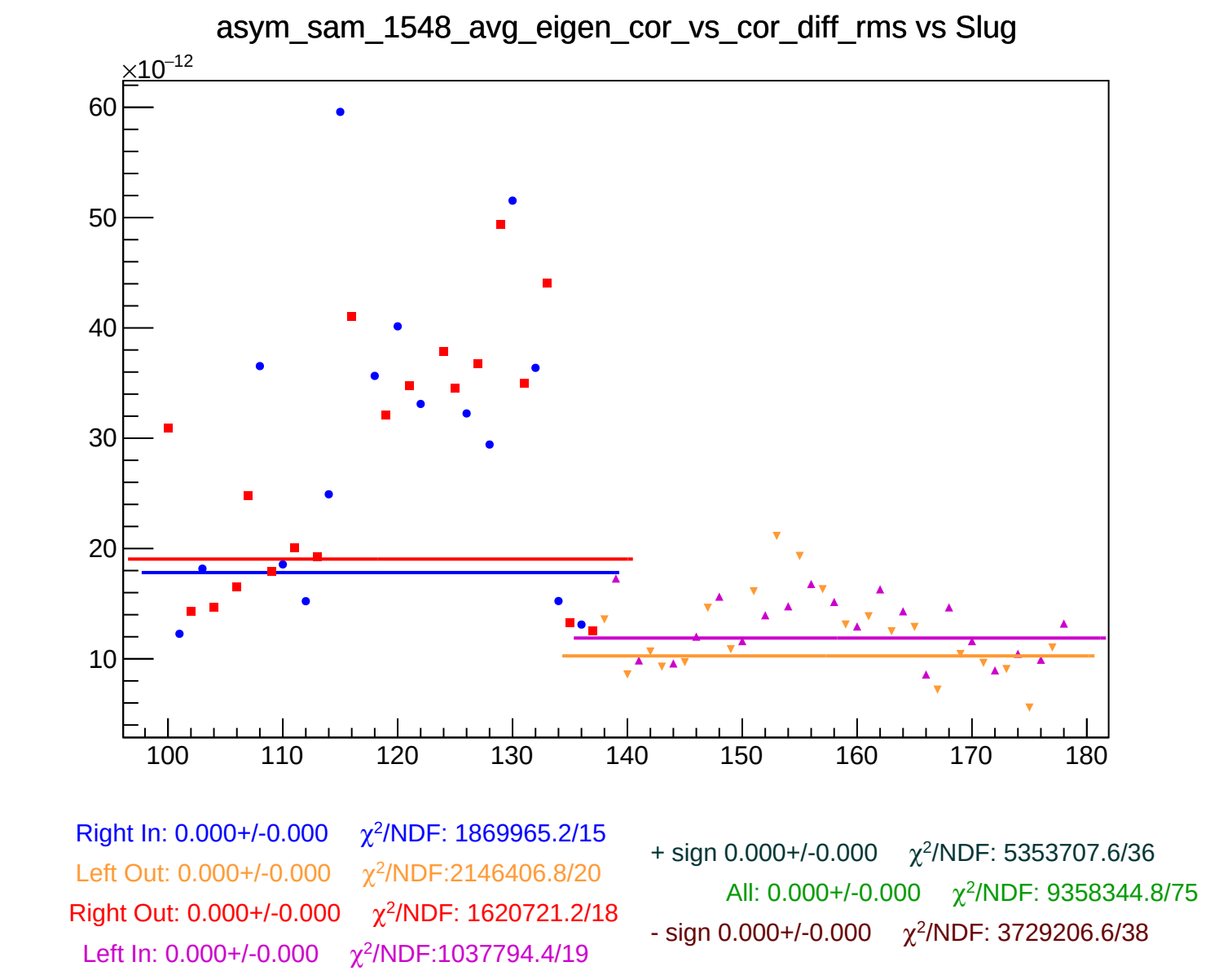
Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: -0.000+/-0.000 χ^2/NDF:20.3/19

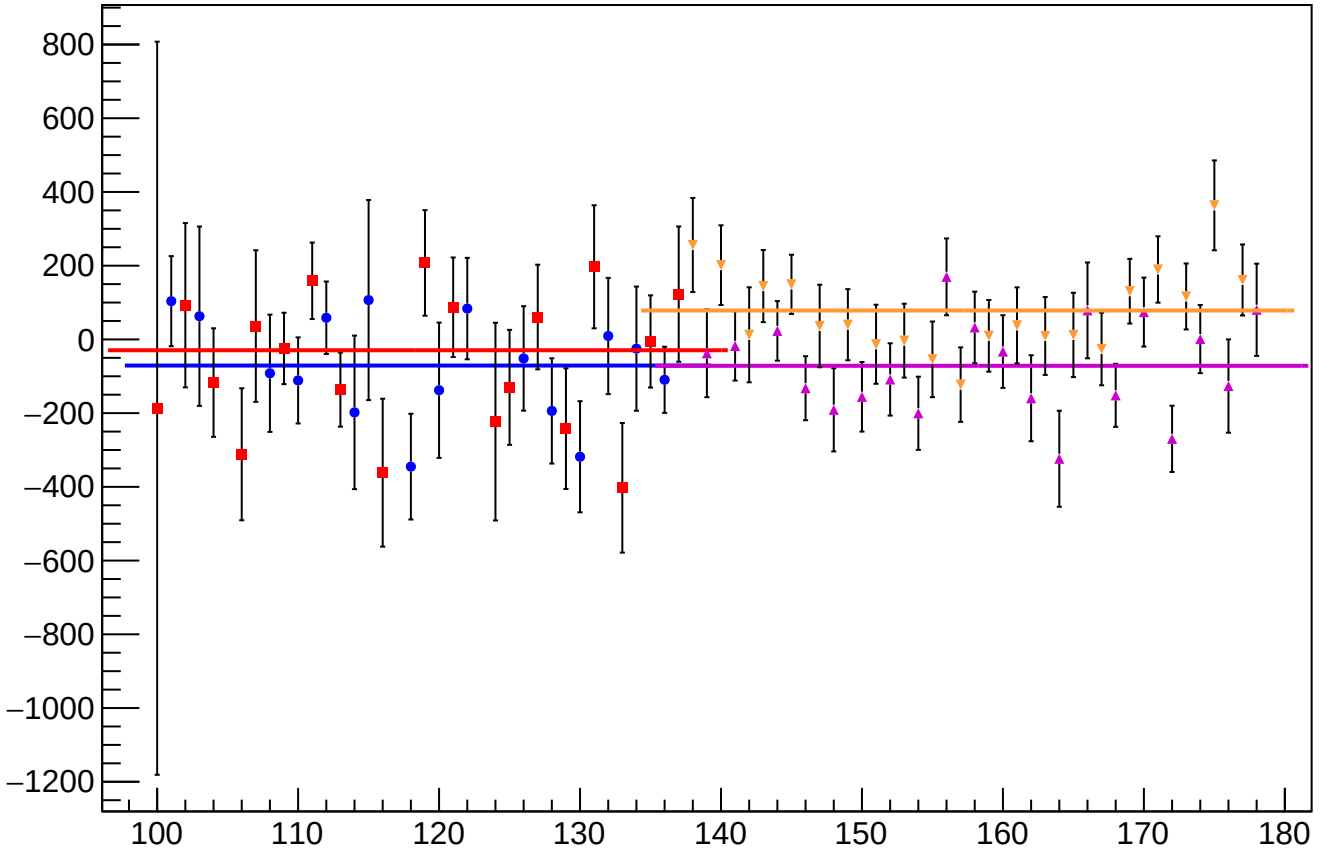
+ sign 0.000+/-0.000 χ^2/NDF: 40.5/36

All: -0.000+/-0.000 χ^2/NDF: 84.8/75

- sign -0.000+/-0.000 χ^2/NDF: 43.8/38


asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1869965.2/15
Left Out: 0.000+/-0.000 χ²/NDF:2146406.8/20
Right Out: 0.000+/-0.000 χ²/NDF: 1620721.2/18
Left In: 0.000+/-0.000 χ²/NDF:1037794.4/19
+ sign 0.000+/-0.000 χ²/NDF: 5353707.6/36
All: 0.000+/-0.000 χ²/NDF: 9358344.8/75
- sign 0.000+/-0.000 χ²/NDF: 3729206.6/38

reg_asym_sam_3748_avg_mean vs Slug



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 78.355+/-22.057 χ^2/NDF:22.9/20

Right Out: -29.410+/-34.243 χ^2/NDF: 24.0/18

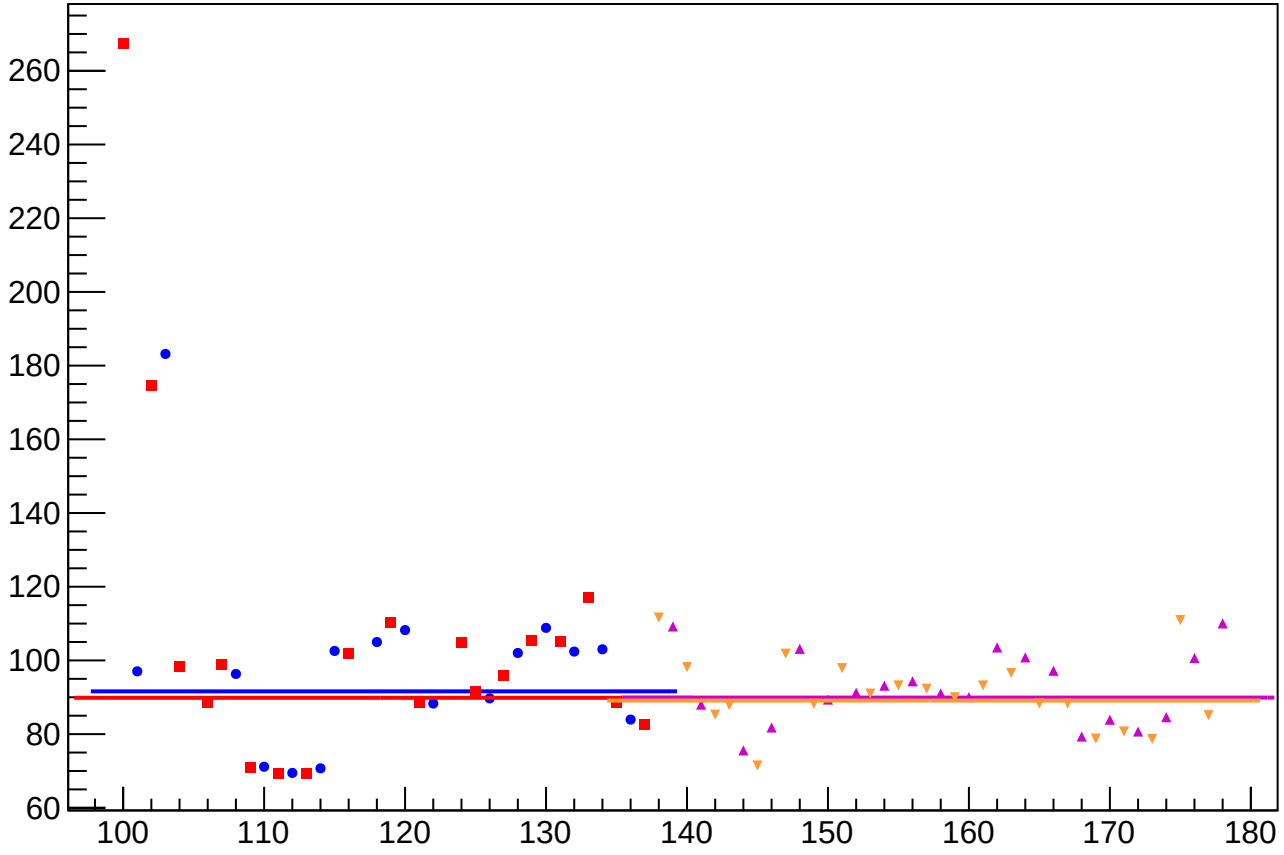
Left In: -71.570+/-22.493 χ^2/NDF:28.8/19

+ sign 36.140+/-18.679 χ^2/NDF: 49.9/36

All: -11.054+/-13.251 χ^2/NDF: 116.6/75

- sign -58.862+/-18.800 χ^2/NDF: 53.9/38

reg_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 89.111+/-0.016 χ^2/NDF:373389.1/20

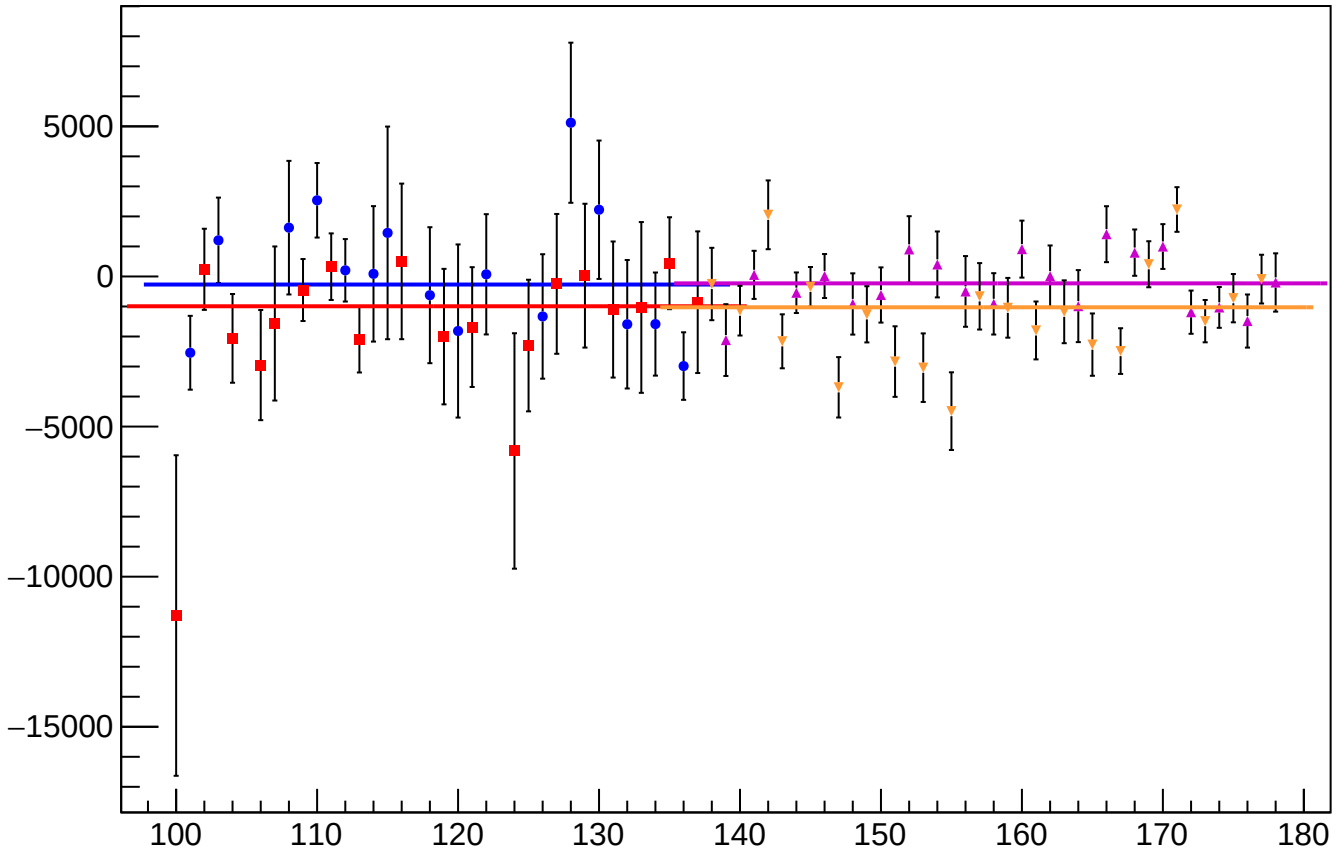
Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 89.912+/-0.016 χ^2/NDF:347735.8/19

+ sign 89.817+/-0.013 χ^2/NDF: 961310.0/36

All: 89.856+/-0.009 χ^2/NDF: 2055355.9/75

- sign 89.895+/-0.013 χ^2/NDF: 1094028.8/38



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -1026.998+/-197.189 χ^2/NDF:60.5/20

Right Out: -992.670+/-400.824 χ^2/NDF: 12.7/18

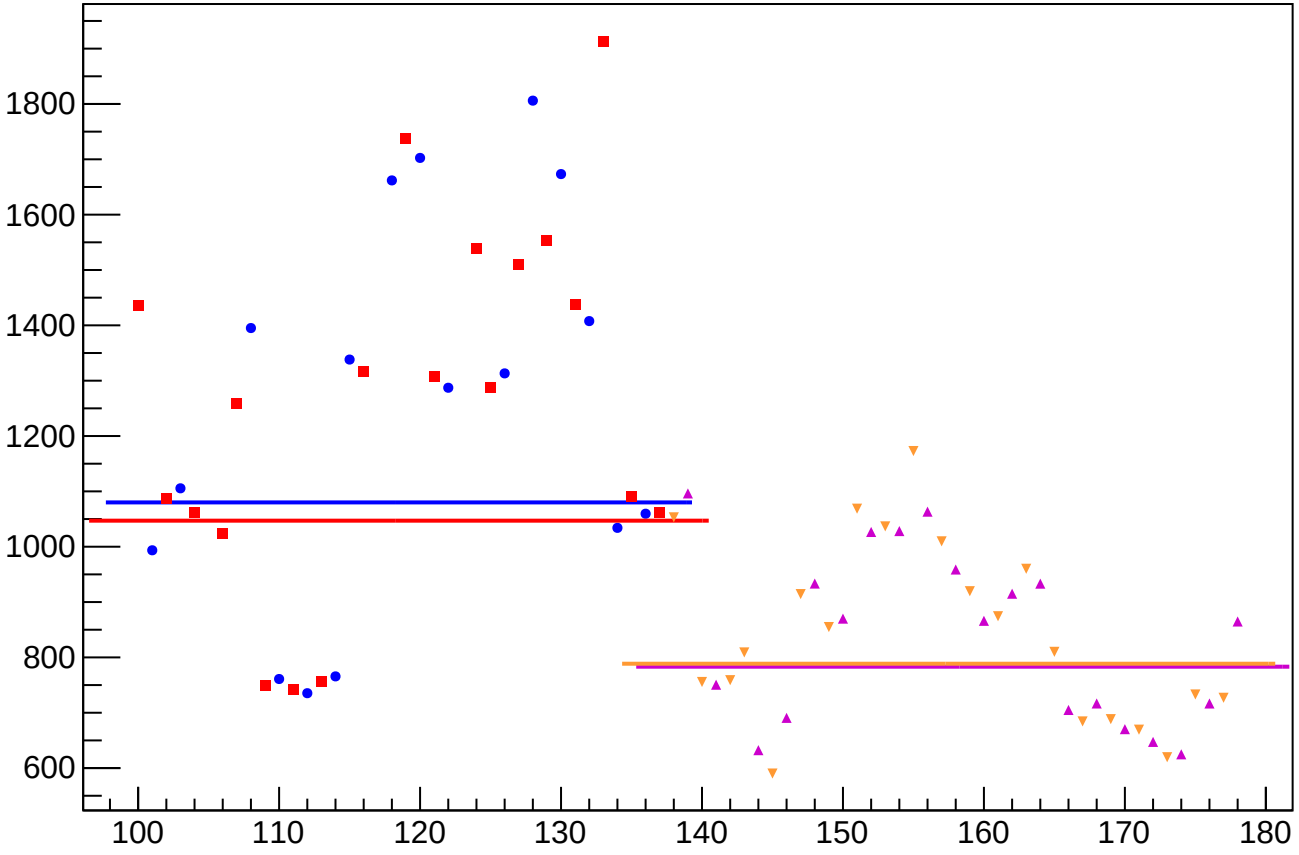
Left In: -229.880+/-197.622 χ^2/NDF:20.1/19

\+ sign -889.772+/-178.463 χ^2/NDF: 86.6/36

All: -632.666+/-125.761 χ^2/NDF: 126.4/75

\- sign -379.044+/-177.249 χ^2/NDF: 35.7/38

asym_sam_3748_avg_reg_correction_rms vs Slug



Right In: 1080.045+/-0.297 χ^2/NDF: 1053468.5/15

Left Out: 788.577+/-0.139 χ^2/NDF:1152379.7/20

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

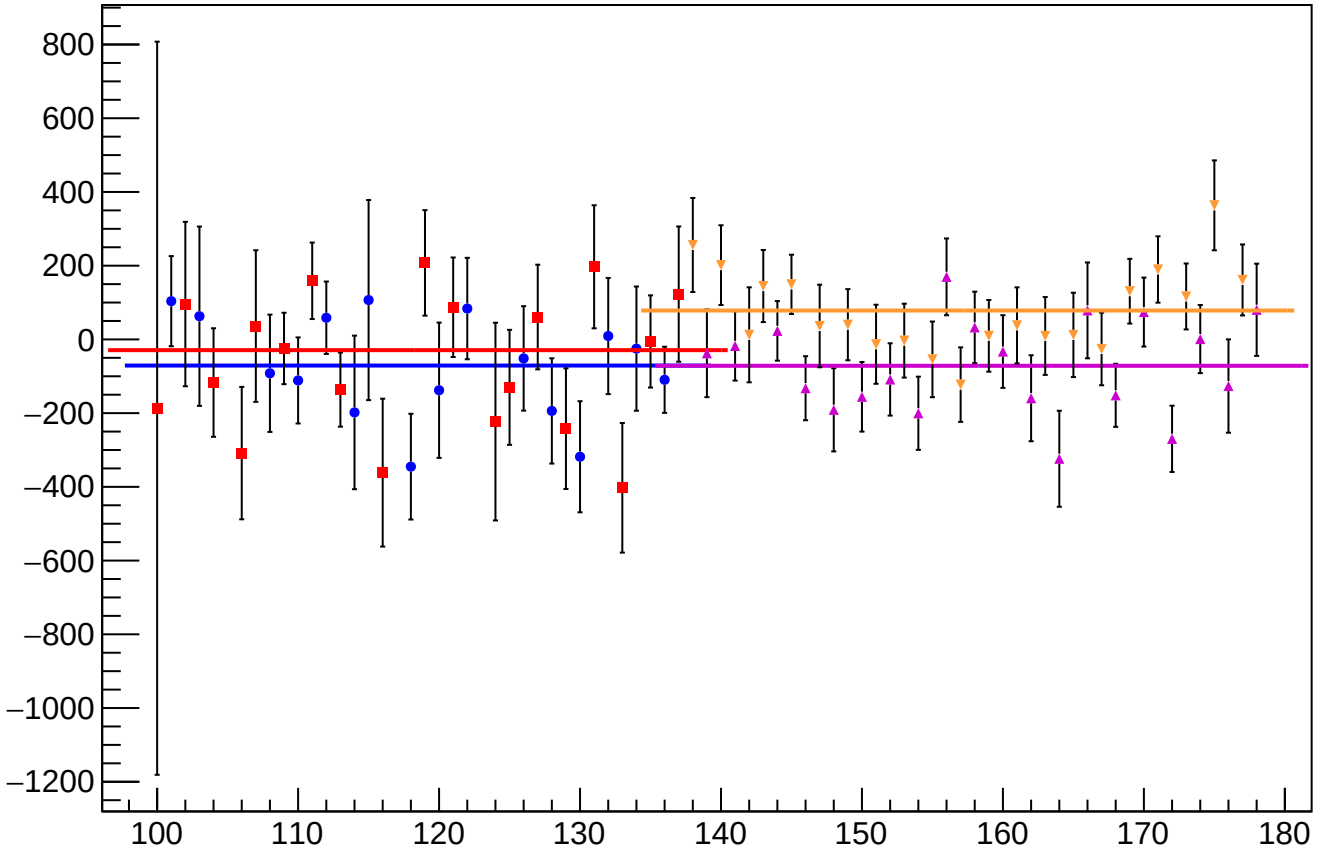
Left In: 783.206+/-0.140 χ^2/NDF:1061732.9/19

+ sign 841.308+/-0.126 χ^2/NDF: 2996374.5/36

All: 838.034+/-0.089 χ^2/NDF: 5955316.0/75

- sign 834.804+/-0.125 χ^2/NDF: 2957604.5/38

cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 78.360+/-22.057 χ^2/NDF:22.9/20

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

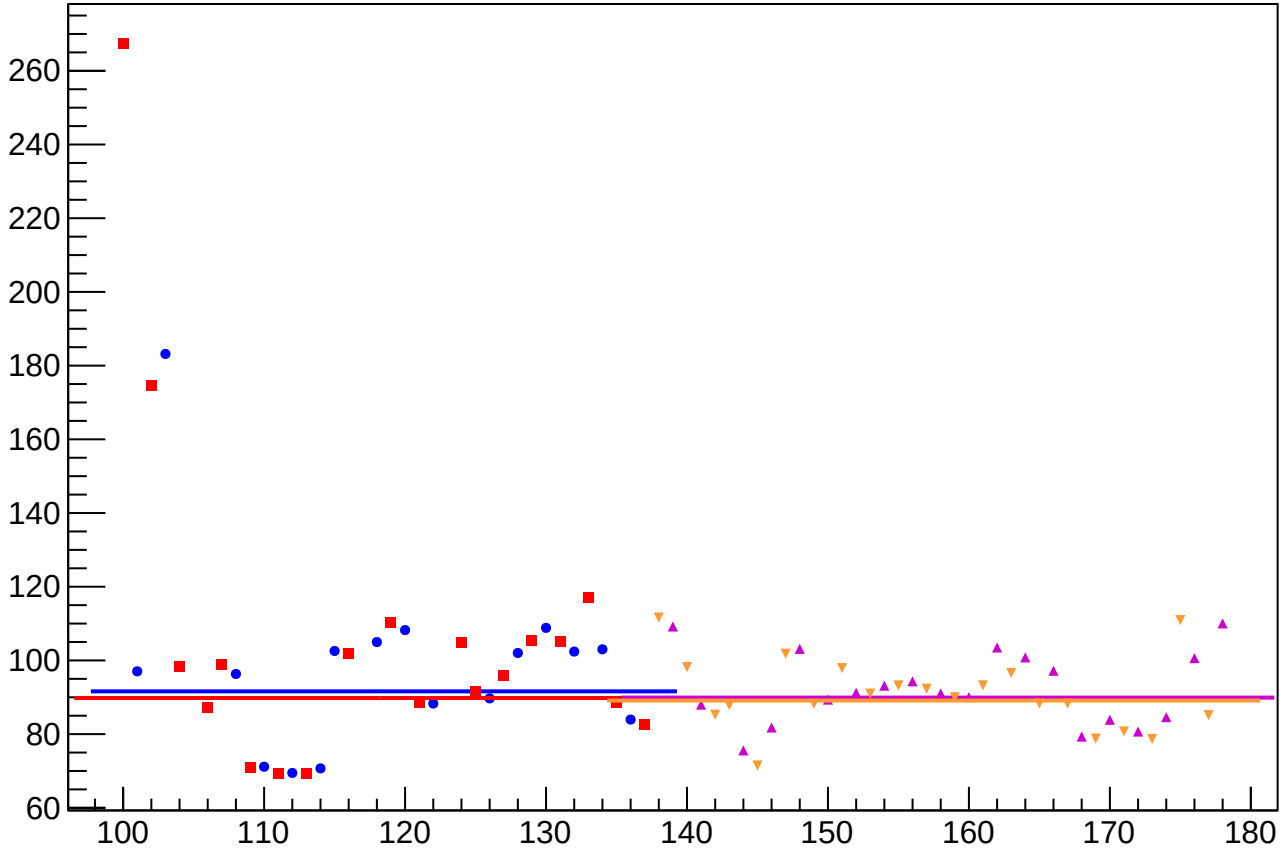
Left In: -71.571+/-22.493 χ^2/NDF:28.8/19

+ sign 36.141+/-18.679 χ^2/NDF: 49.9/36

All: -11.016+/-13.251 χ^2/NDF: 116.5/75

- sign -58.789+/-18.801 χ^2/NDF: 53.8/38

cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 89.111+/-0.016 χ^2/NDF:373389.1/20

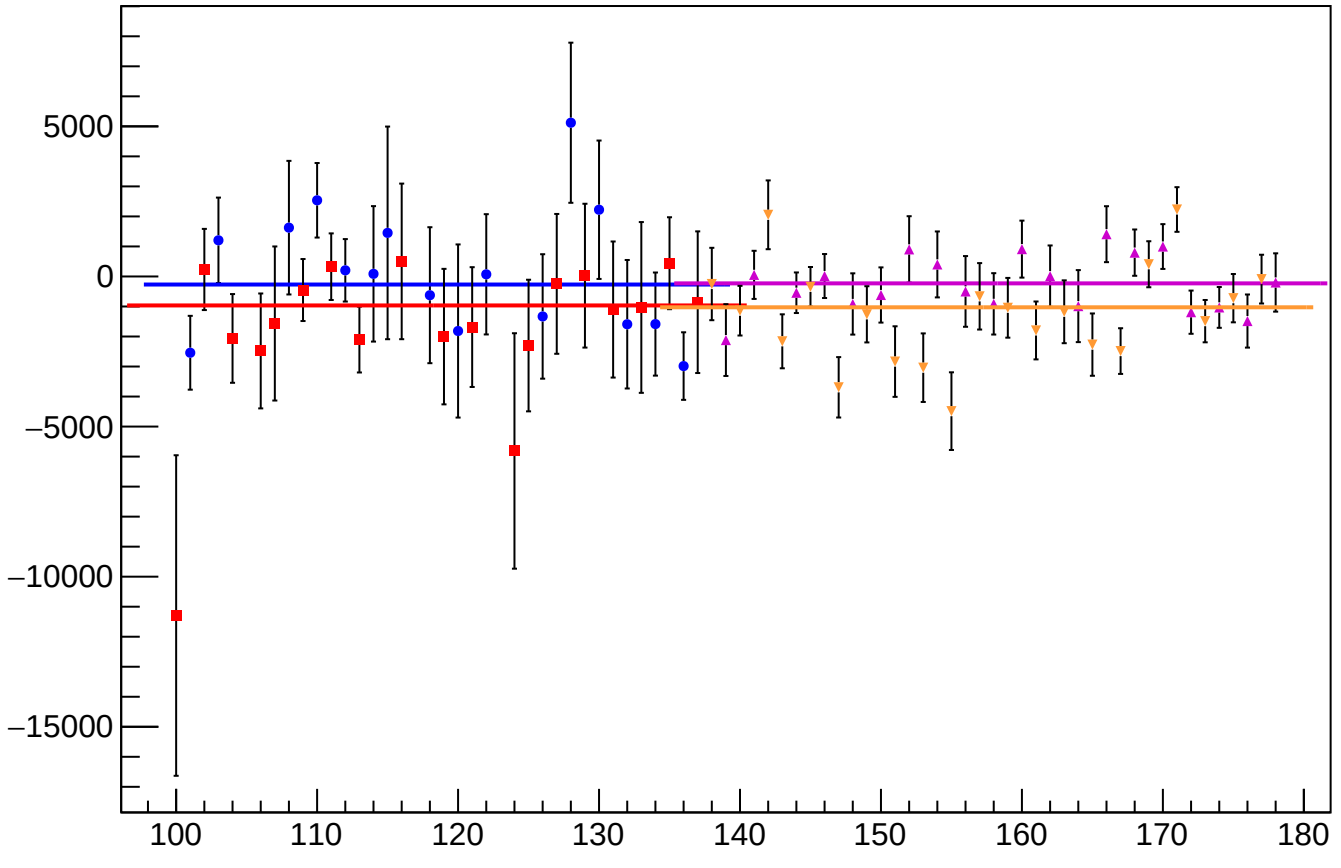
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 89.912+/-0.016 χ^2/NDF:347735.8/19

+ sign 89.817+/-0.013 χ^2/NDF: 961313.2/36

All: 89.849+/-0.009 χ^2/NDF: 2055906.8/75

- sign 89.880+/-0.013 χ^2/NDF: 1094582.4/38



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1026.992+/-197.189 χ^2/NDF:60.5/20

Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

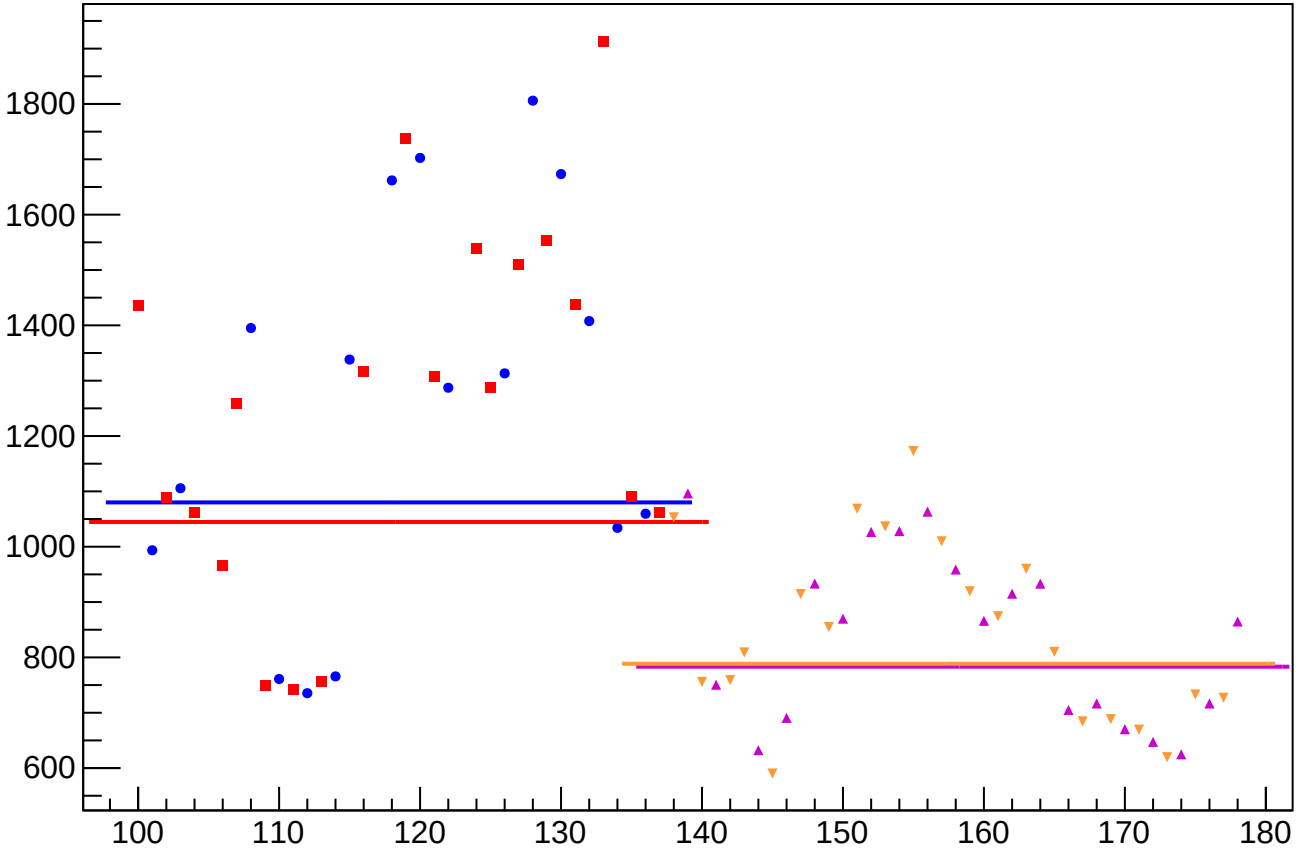
Left In: -229.883+/-197.622 χ^2/NDF:20.1/19

\+ sign -889.773+/-178.463 χ^2/NDF: 86.6/36

All: -629.809+/-125.786 χ^2/NDF: 125.7/75

\- sign -373.168+/-177.319 χ^2/NDF: 34.9/38

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 788.577+/-0.139 χ^2/NDF:1152382.0/20

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

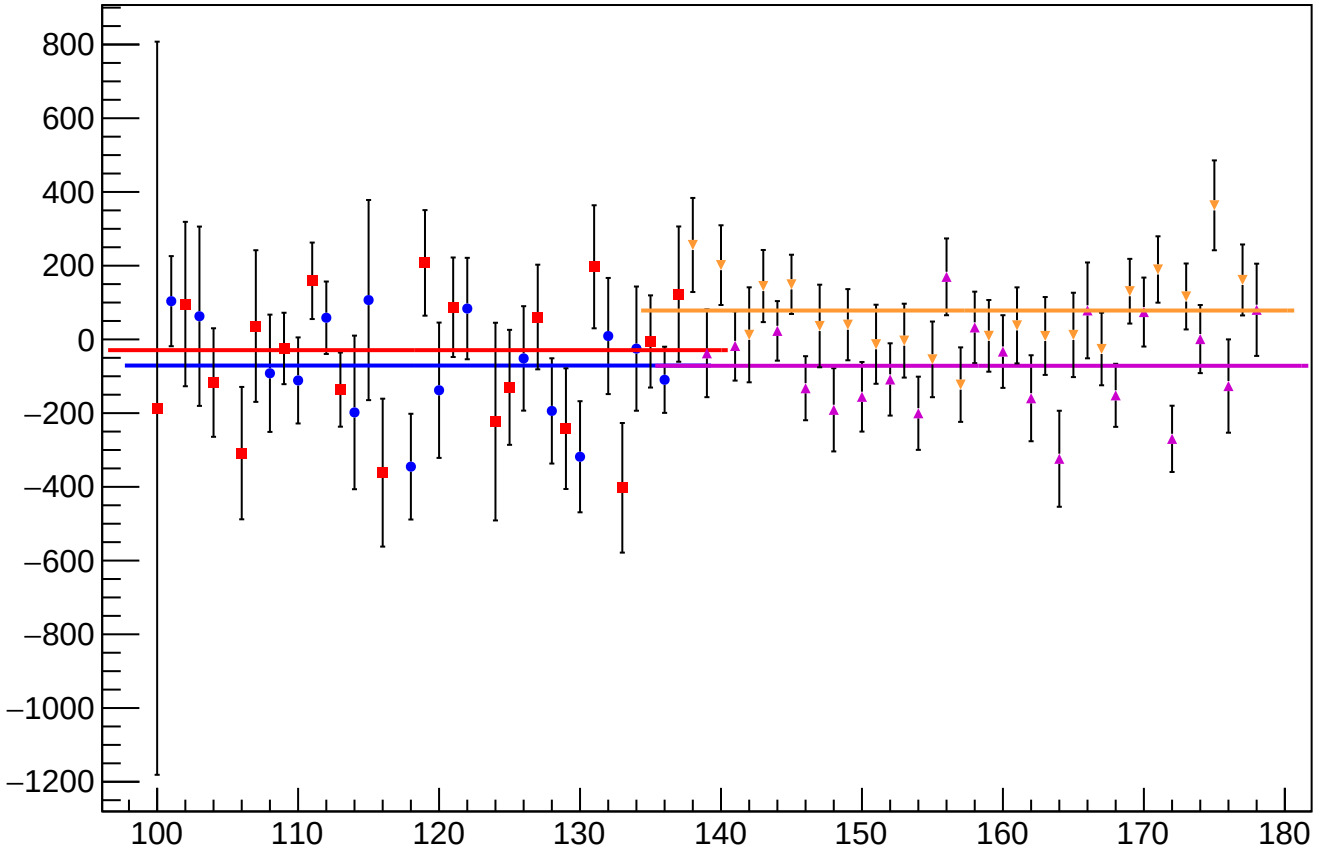
Left In: 783.206+/-0.140 χ^2/NDF:1061732.7/19

+ sign 841.308+/-0.126 χ^2/NDF: 2996421.3/36

All: 837.721+/-0.089 χ^2/NDF: 5944223.2/75

- sign 834.179+/-0.125 χ^2/NDF: 2946195.9/38

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 78.360+/-22.057 χ^2/NDF:22.9/20

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

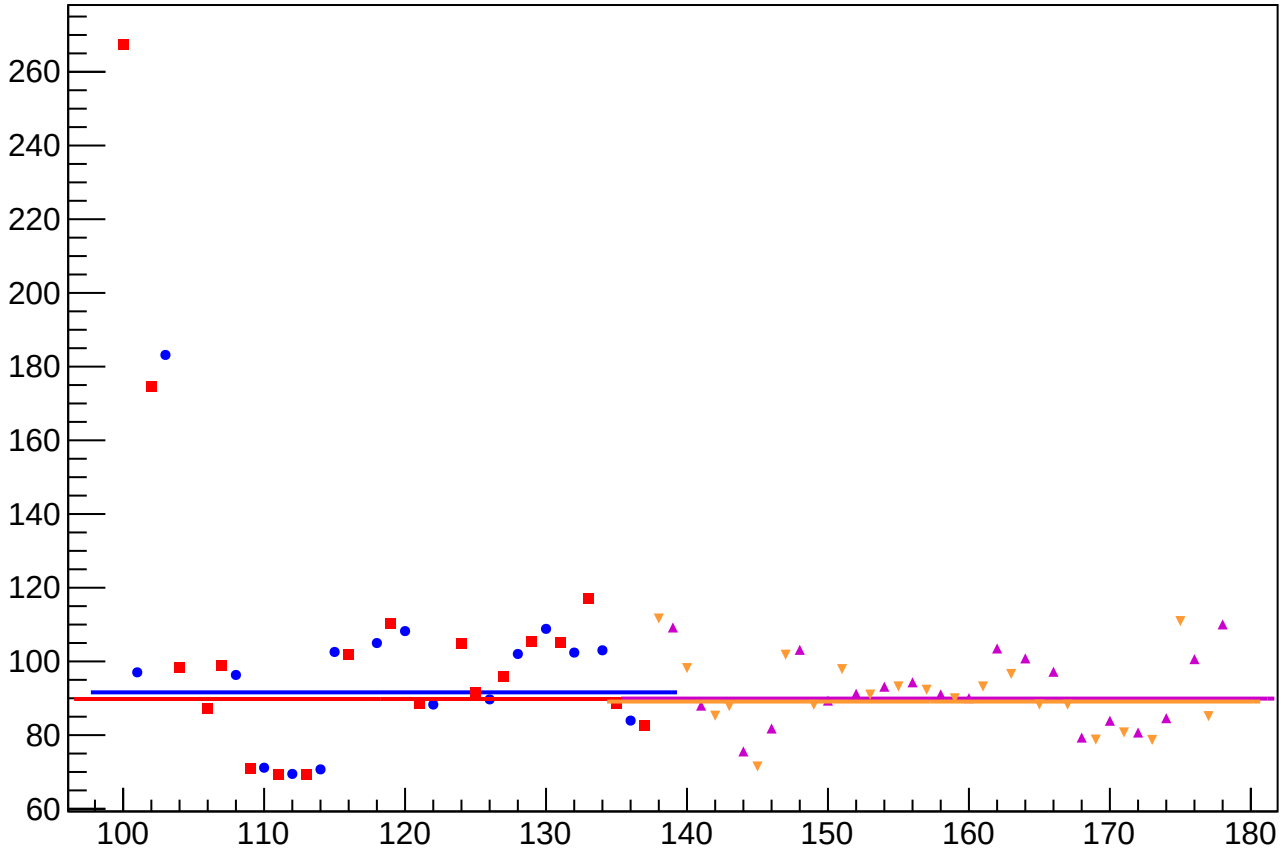
Left In: -71.571+/-22.493 χ^2/NDF:28.8/19

+ sign 36.141+/-18.679 χ^2/NDF: 49.9/36

All: -11.016+/-13.251 χ^2/NDF: 116.5/75

- sign -58.789+/-18.801 χ^2/NDF: 53.8/38

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 89.111+/-0.016 χ^2/NDF:373389.1/20

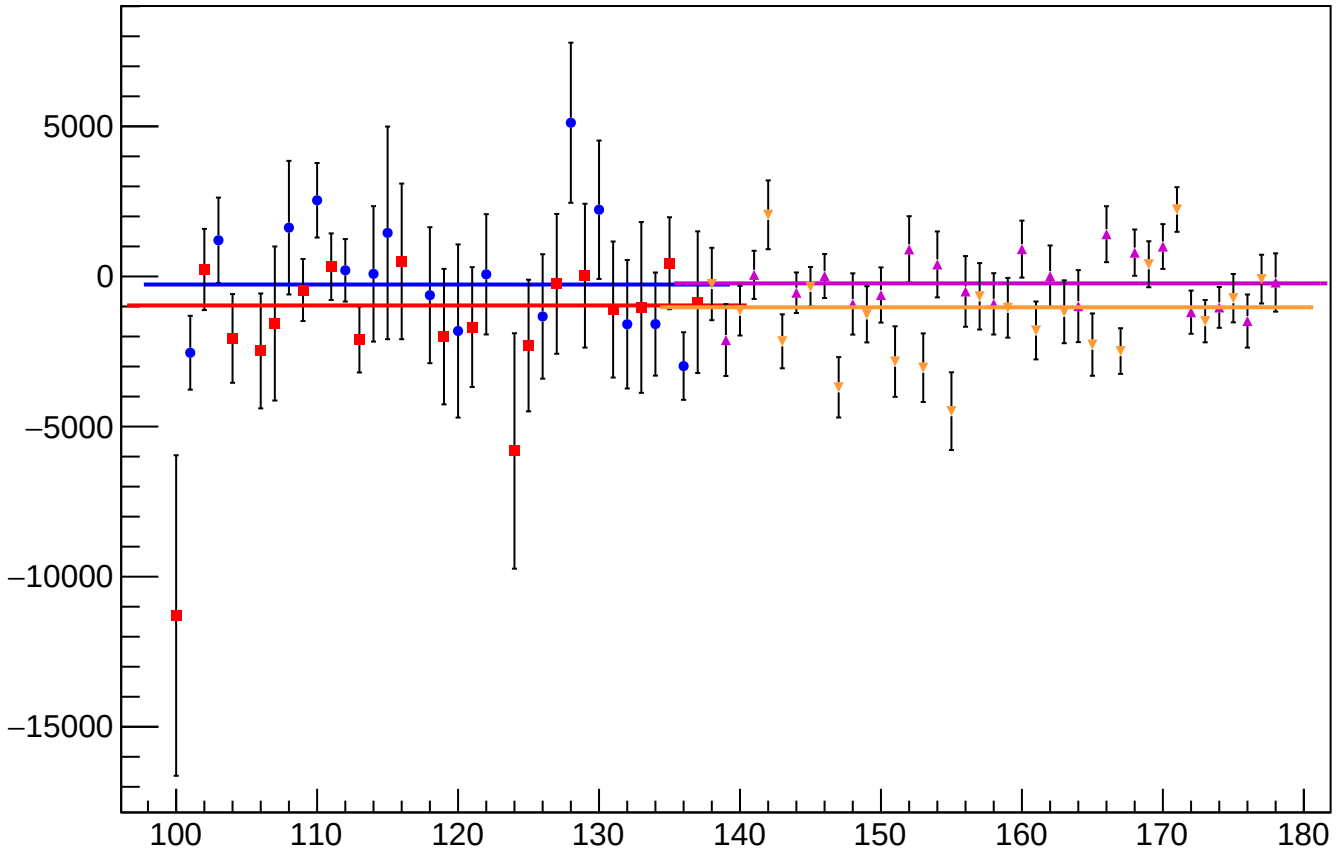
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 89.912+/-0.016 χ^2/NDF:347735.8/19

+ sign 89.817+/-0.013 χ^2/NDF: 961313.2/36

All: 89.849+/-0.009 χ^2/NDF: 2055906.8/75

- sign 89.880+/-0.013 χ^2/NDF: 1094582.4/38



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1026.992+/-197.189 χ^2/NDF:60.5/20

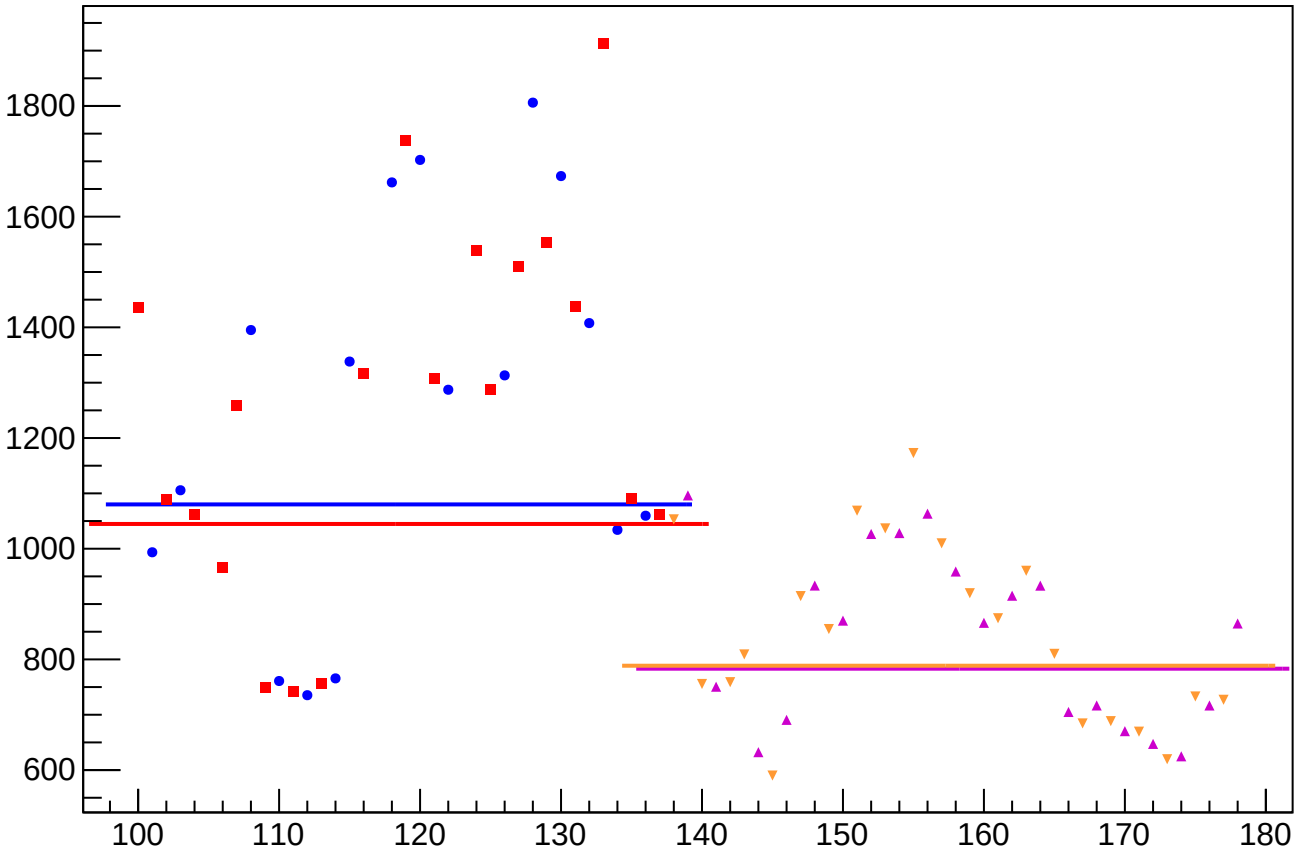
Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: -229.883+/-197.622 χ^2/NDF:20.1/19

\+ sign -889.773+/-178.463 χ^2/NDF: 86.6/36

All: -629.809+/-125.786 χ^2/NDF: 125.7/75

\- sign -373.168+/-177.319 χ^2/NDF: 34.9/38



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 788.577+/-0.139 χ^2/NDF:1152382.0/20

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

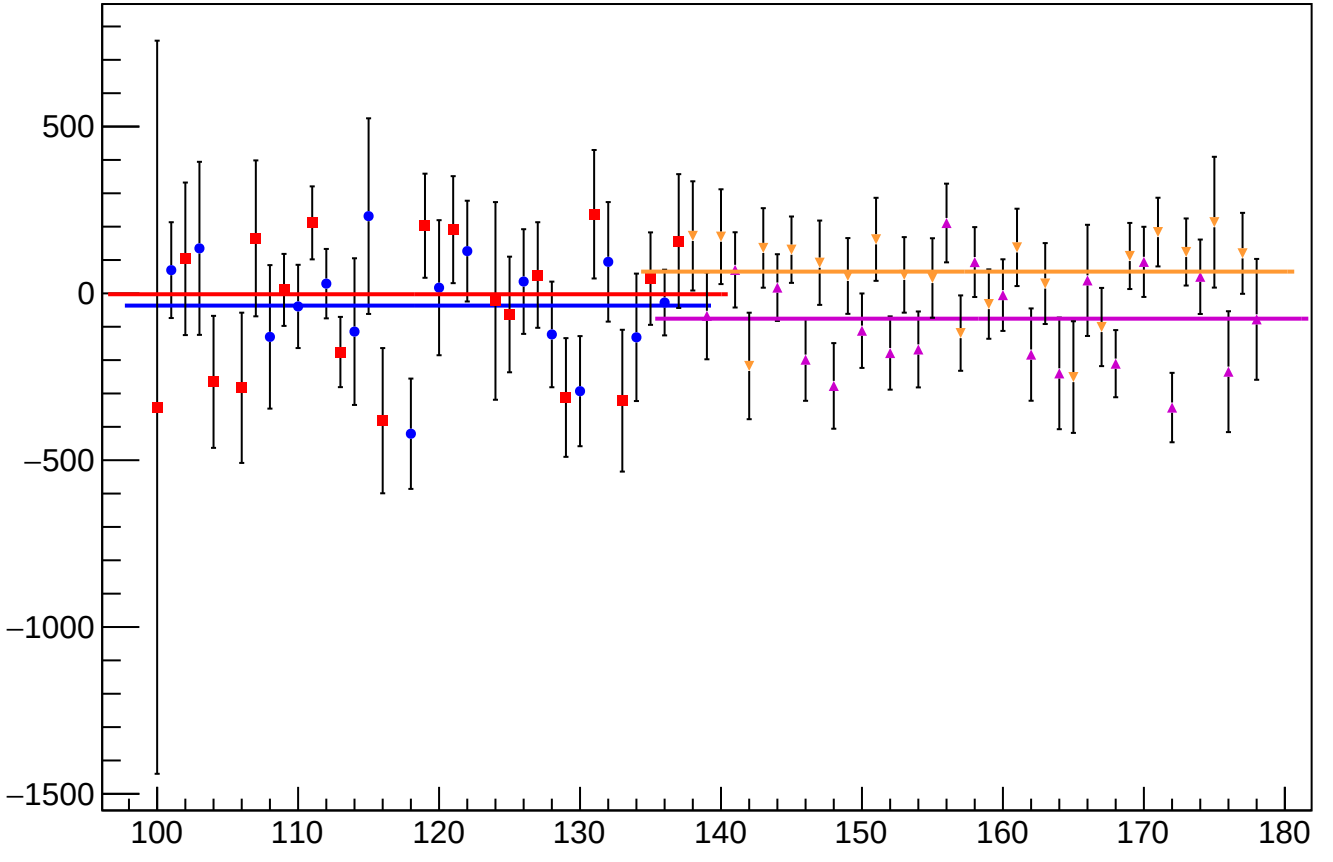
Left In: 783.206+/-0.140 χ^2/NDF:1061732.7/19

+ sign 841.308+/-0.126 χ^2/NDF: 2996421.3/36

All: 837.721+/-0.089 χ^2/NDF: 5944223.2/75

- sign 834.179+/-0.125 χ^2/NDF: 2946195.9/38

dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 65.272+/-26.157 χ^2/NDF:17.9/20

Right Out: -2.568+/-38.165 χ^2/NDF: 24.7/18

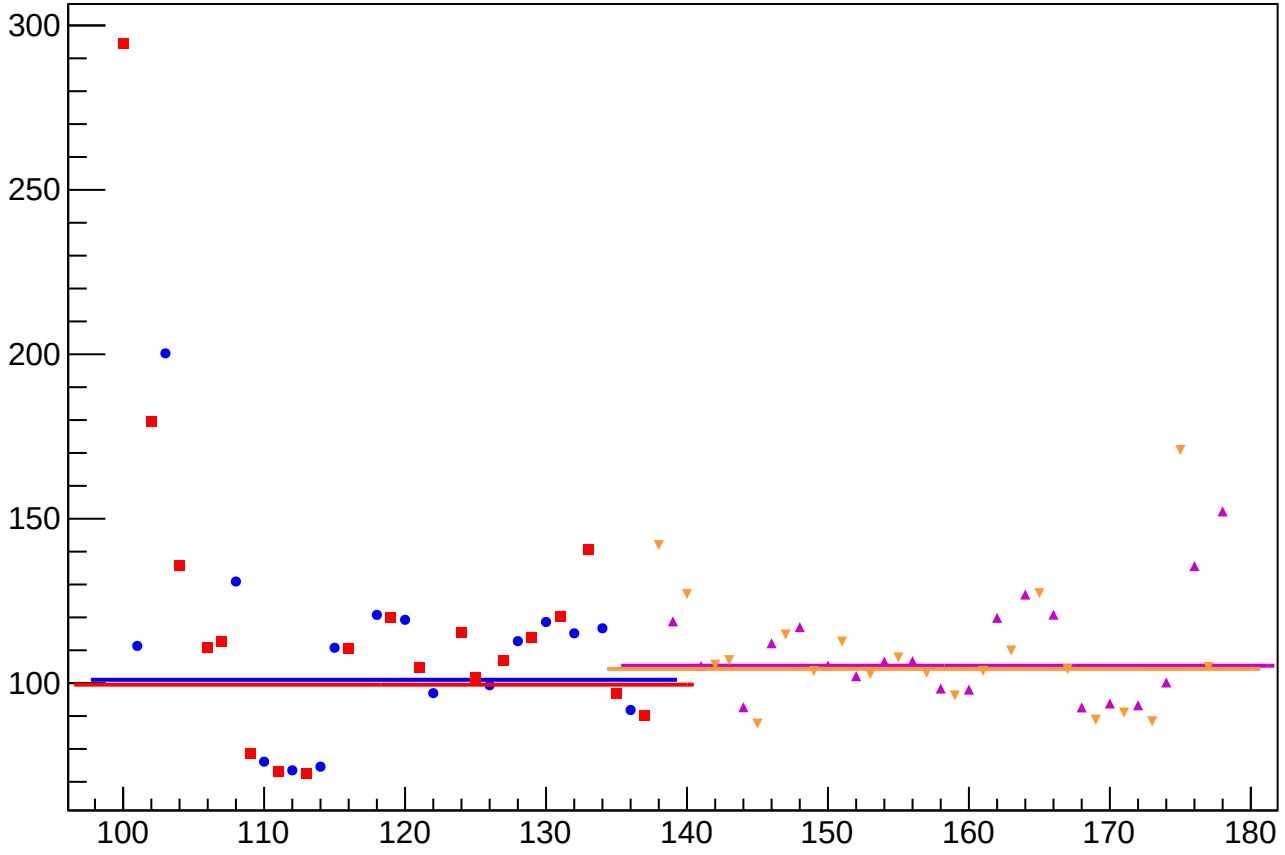
Left In: -75.806+/-26.714 χ^2/NDF:31.7/19

+ sign 33.658+/-21.722 χ^2/NDF: 35.5/36

All: -8.712+/-15.417 χ^2/NDF: 102.0/75

- sign -51.722+/-21.885 χ^2/NDF: 58.9/38

dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 104.355+/-0.018 χ^2/NDF:655753.9/20

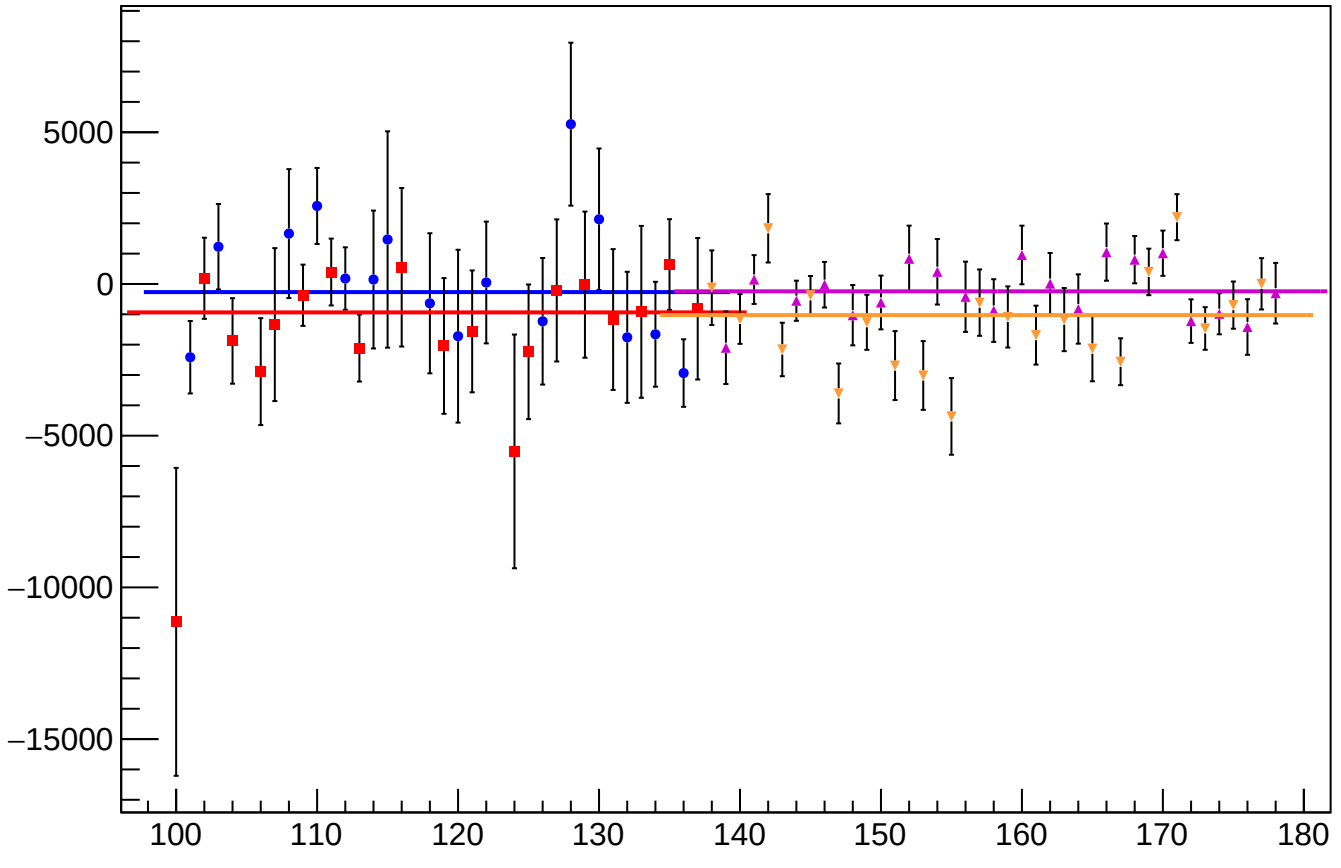
Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

Left In: 105.309+/-0.019 χ^2/NDF:445993.2/19

+ sign 103.324+/-0.015 χ^2/NDF: 1381875.2/36

All: 103.369+/-0.011 χ^2/NDF: 2738980.7/75

- sign 103.414+/-0.015 χ^2/NDF: 1357088.2/38



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1026.112+/-196.114 χ^2/NDF:58.1/20

Right Out: -936.734+/-396.234 χ^2/NDF: 13.1/18

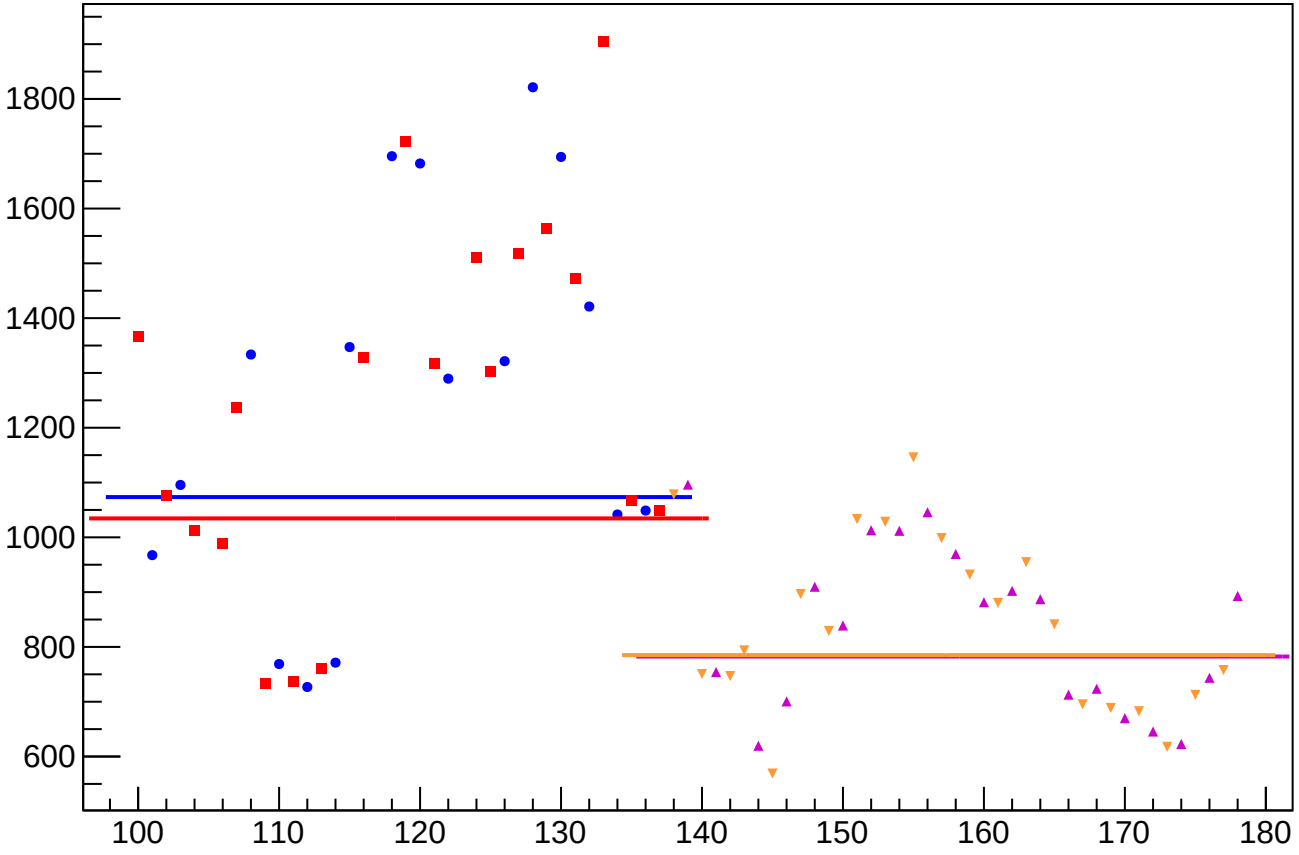
Left In: -242.845+/-197.315 χ^2/NDF:18.6/19

+ sign -888.815+/-177.473 χ^2/NDF: 84.3/36

All: -633.555+/-125.192 χ^2/NDF: 122.6/75

- sign -380.724+/-176.627 χ^2/NDF: 34.2/38

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 785.111+/-0.139 χ^2/NDF:1158164.3/20

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

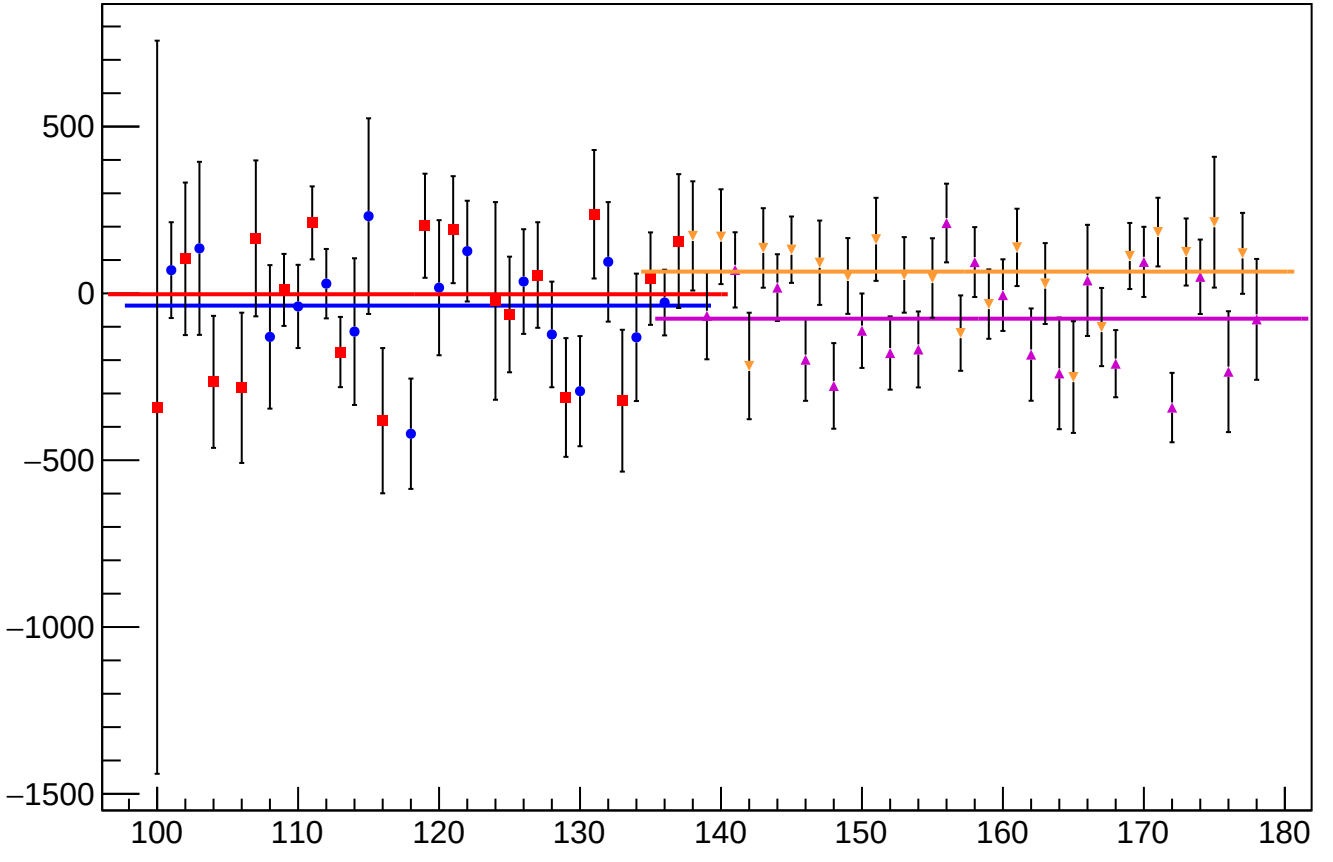
Left In: 782.444+/-0.140 χ^2/NDF:1020685.5/19

\+ sign 837.324+/-0.125 χ^2/NDF: 3018102.0/36

All: 834.918+/-0.089 χ^2/NDF: 5917547.2/75

\- sign 832.535+/-0.125 χ^2/NDF: 2898713.8/38

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.589+/-38.991 χ^2/NDF: 12.9/15

Left Out: 65.273+/-26.157 χ^2/NDF:17.9/20

Right Out: -2.566+/-38.165 χ^2/NDF: 24.7/18

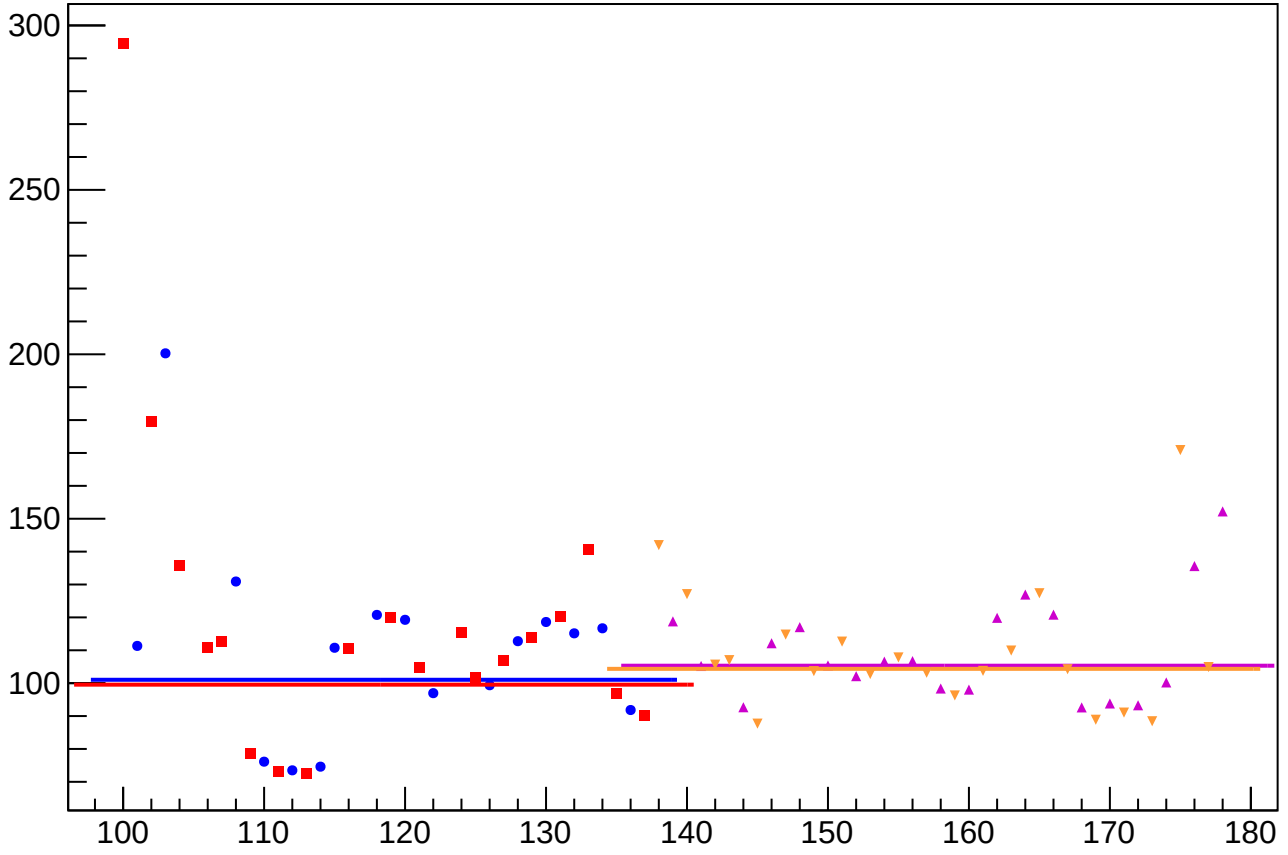
Left In: -75.805+/-26.714 χ^2/NDF:31.7/19

+ sign 33.659+/-21.722 χ^2/NDF: 35.5/36

All: -8.711+/-15.417 χ^2/NDF: 102.0/75

- sign -51.721+/-21.886 χ^2/NDF: 58.9/38

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 104.356+/-0.018 χ^2/NDF:655749.7/20

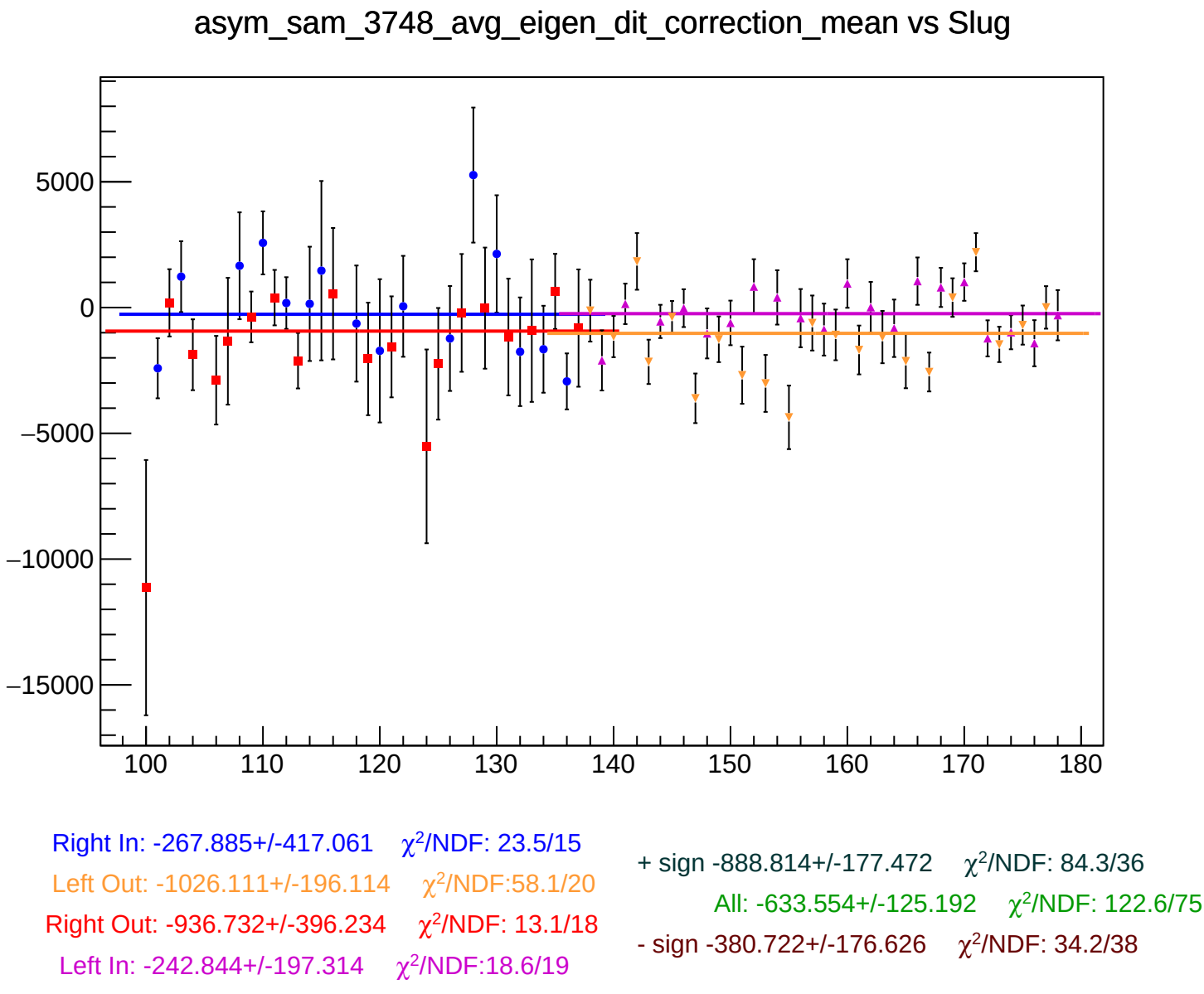
Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

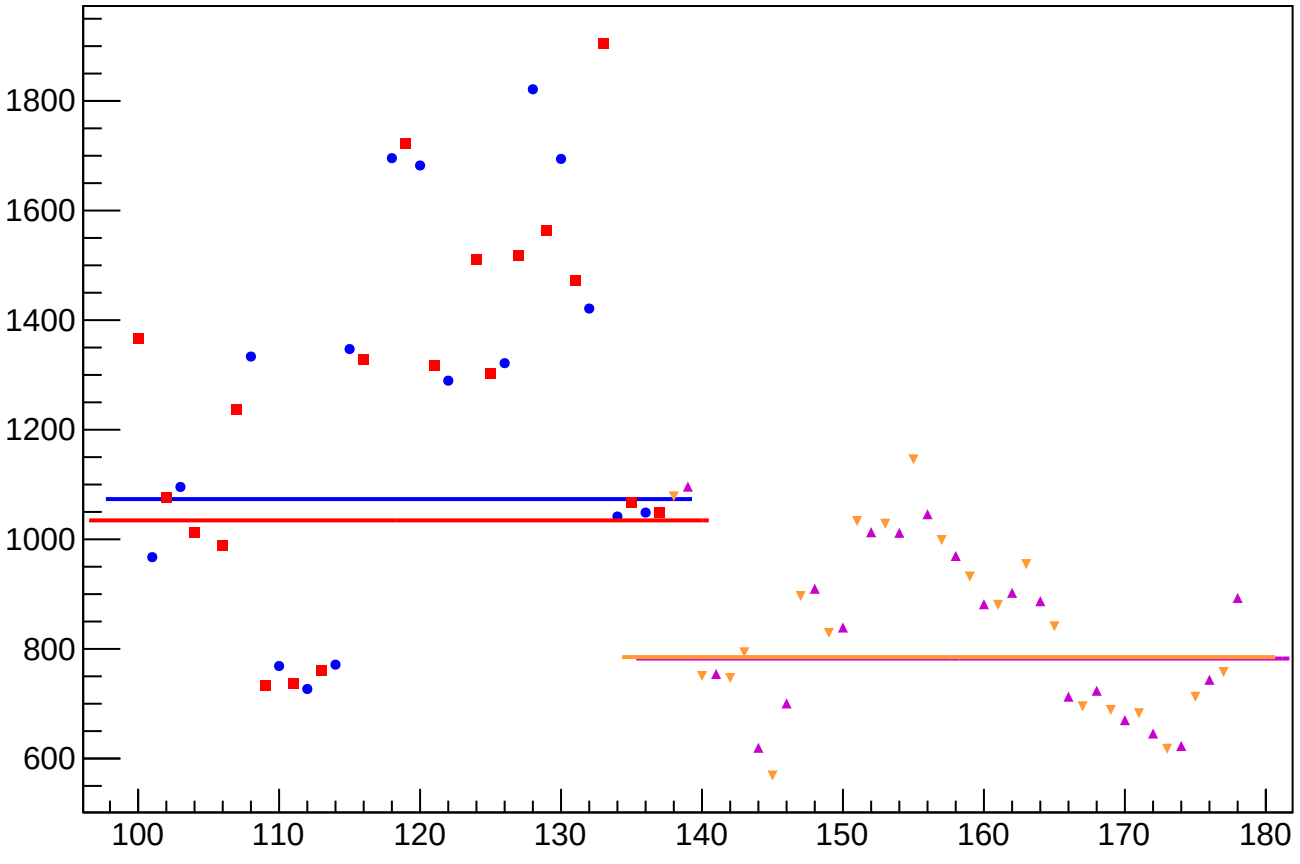
Left In: 105.309+/-0.019 χ^2/NDF:445984.2/19

+ sign 103.324+/-0.015 χ^2/NDF: 1381870.6/36

All: 103.369+/-0.011 χ^2/NDF: 2738970.8/75

- sign 103.415+/-0.015 χ^2/NDF: 1357082.9/38


asym_sam_3748_avg_eigen_dit_correction_mean vs Slug
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: -267.885+/-417.061 χ²/NDF: 23.5/15
Left Out: -1026.111+/-196.114 χ²/NDF:58.1/20
Right Out: -936.732+/-396.234 χ²/NDF: 13.1/18
Left In: -242.844+/-197.314 χ²/NDF:18.6/19
+ sign -888.814+/-177.472 χ²/NDF: 84.3/36
All: -633.554+/-125.192 χ²/NDF: 122.6/75
- sign -380.722+/-176.626 χ²/NDF: 34.2/38



Right In: 1073.454+/-0.295 χ^2/NDF: 1077061.8/15

Left Out: 785.110+/-0.139 χ^2/NDF:1158167.8/20

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

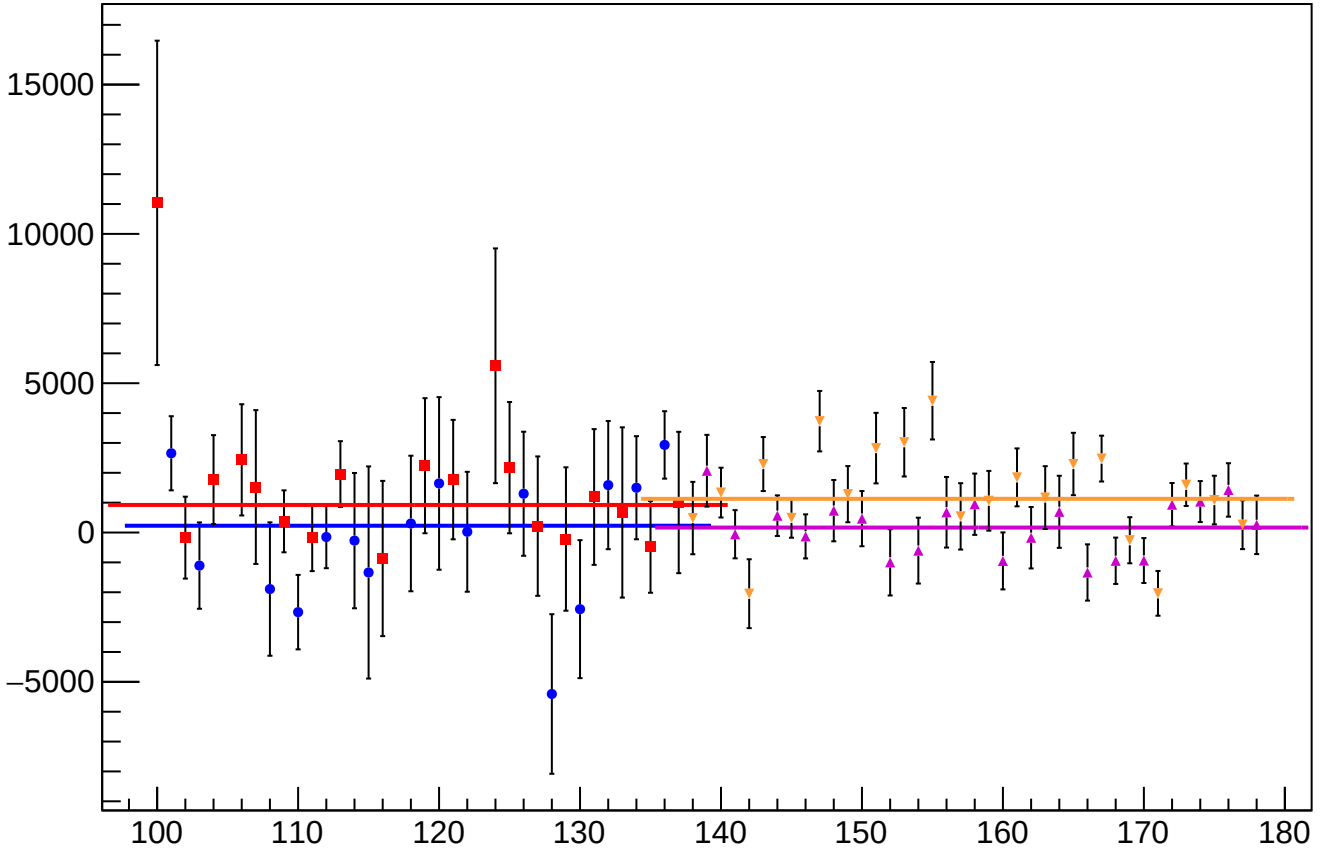
Left In: 782.443+/-0.140 χ^2/NDF:1020686.4/19

+ sign 837.322+/-0.125 χ^2/NDF: 3018110.6/36

All: 834.917+/-0.089 χ^2/NDF: 5917559.6/75

- sign 832.534+/-0.125 χ^2/NDF: 2898717.7/38

asym_sam_3748_avg_mean vs Slug



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 1128.746+/-198.558 χ^2/NDF:56.1/20

Right Out: 923.649+/-403.102 χ^2/NDF: 11.2/18

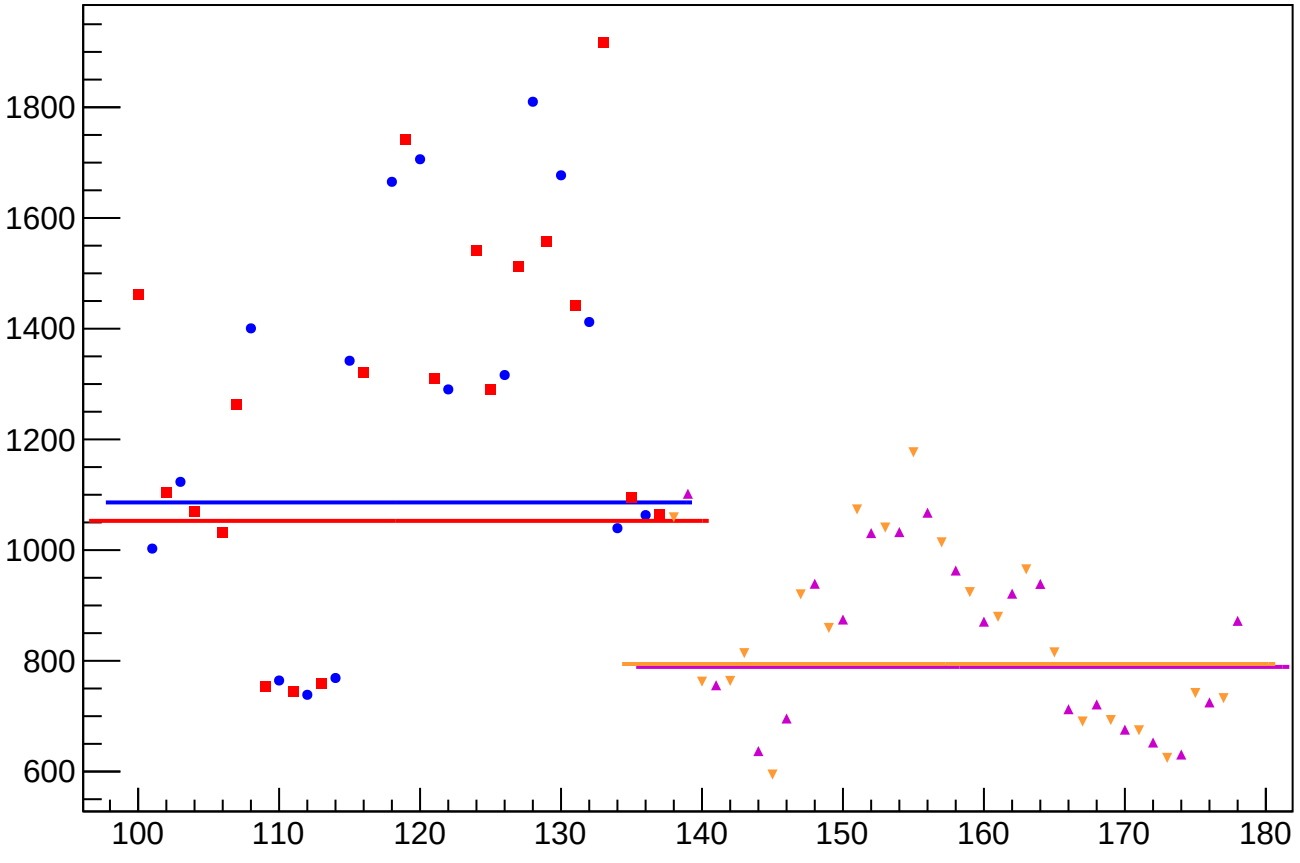
Left In: 166.321+/-199.039 χ^2/NDF:19.0/19

+ sign 965.286+/-179.651 χ^2/NDF: 84.3/36

All: 637.880+/-126.612 χ^2/NDF: 123.9/75

- sign 314.770+/-178.468 χ^2/NDF: 33.0/38

asym_sam_3748_avg_rms vs Slug



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 794.259+/-0.140 χ^2/NDF:1136391.2/20

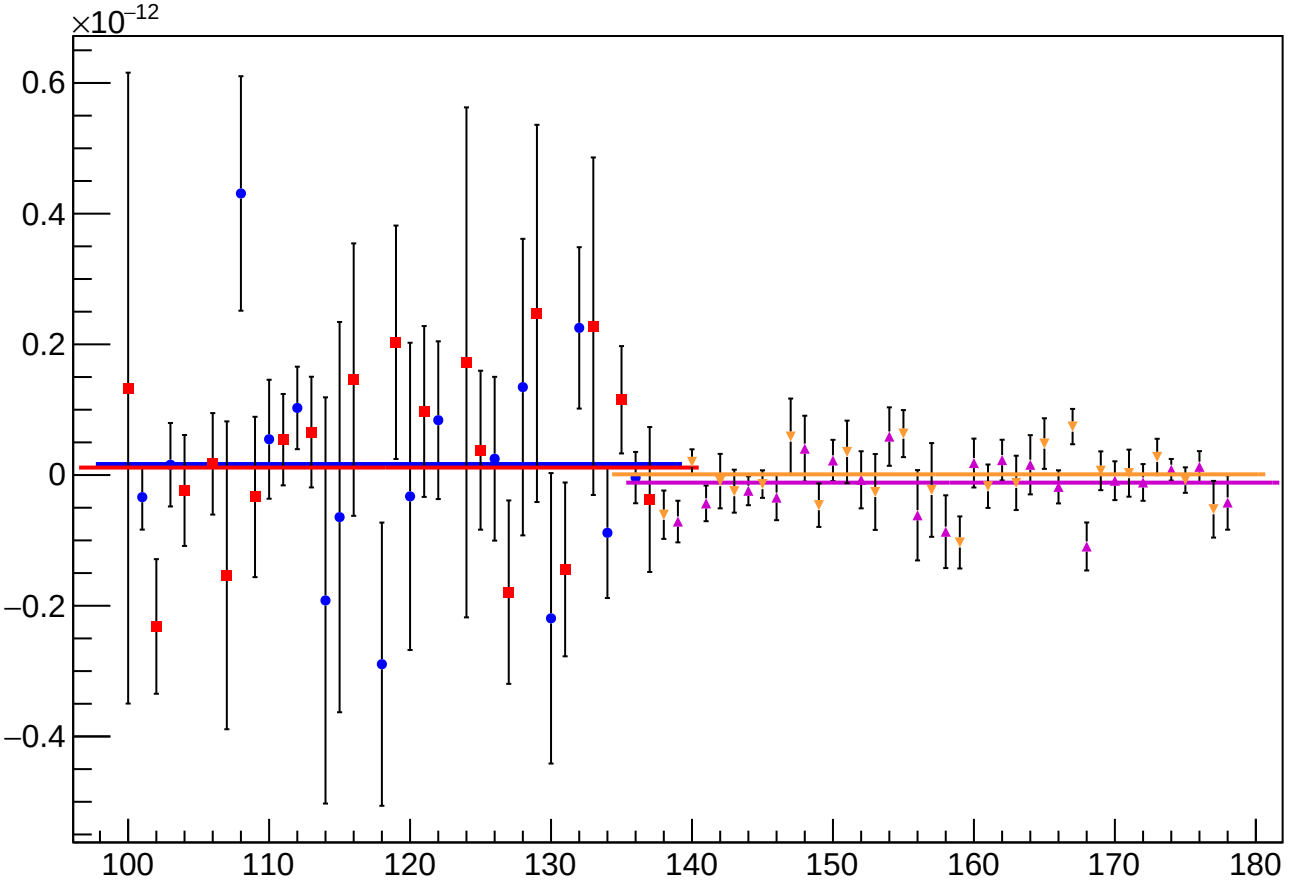
Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 789.020+/-0.141 χ^2/NDF:1046146.9/19

+ sign 847.197+/-0.127 χ^2/NDF: 2967717.3/36

All: 843.943+/-0.090 χ^2/NDF: 5898292.1/75

- sign 840.731+/-0.126 χ^2/NDF: 2929271.0/38



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:30.5/20

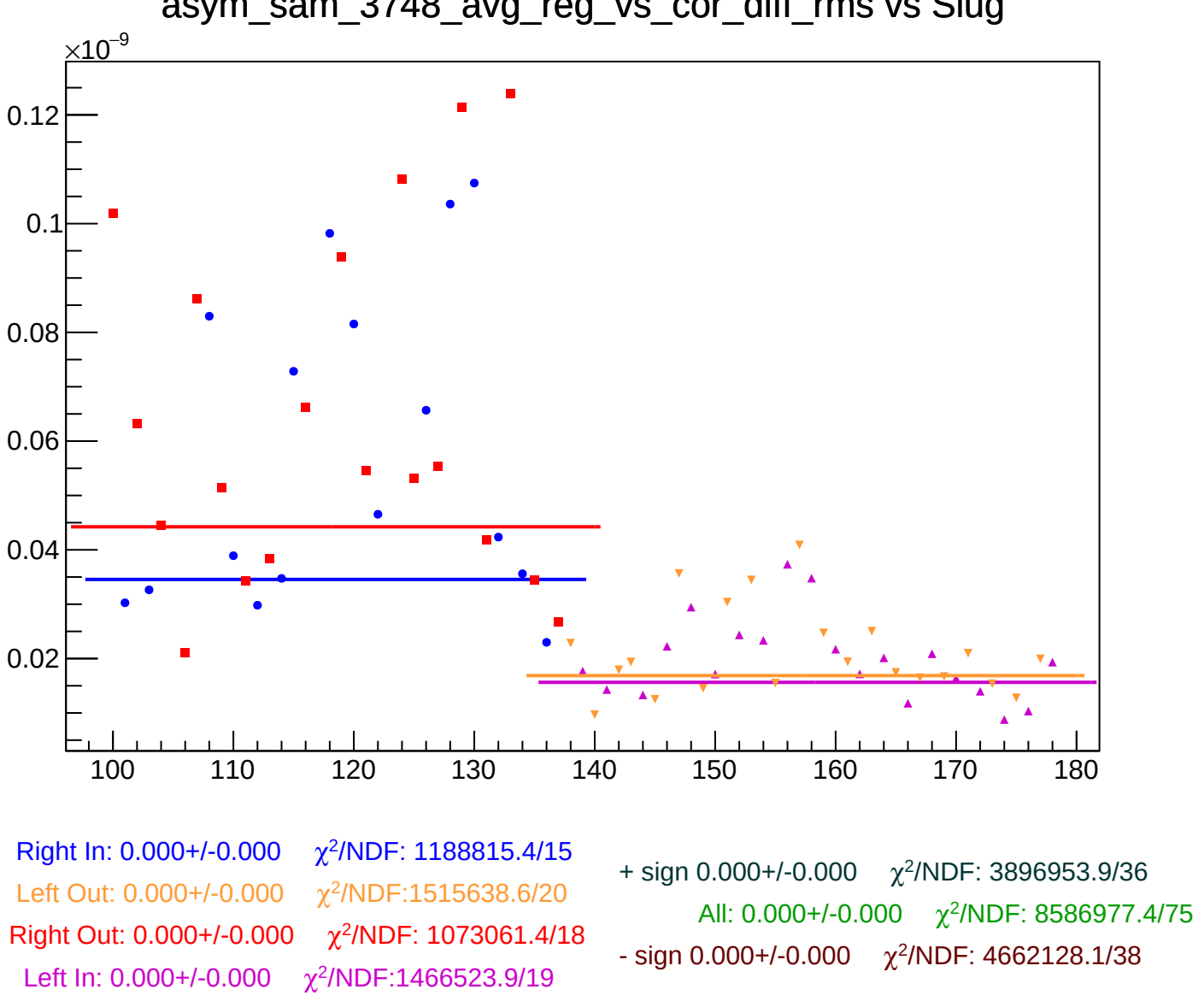
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: -0.000+/-0.000 χ^2/NDF:25.0/19

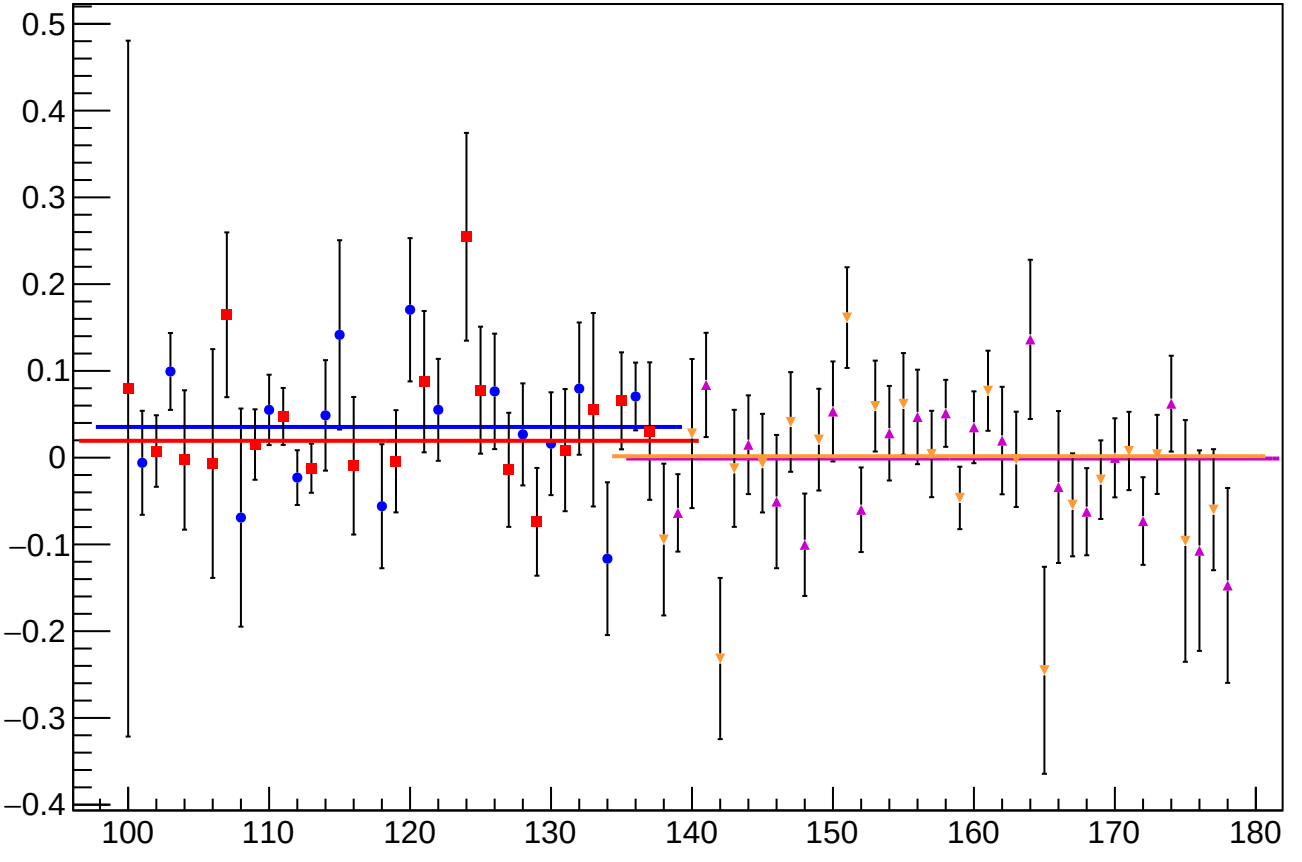
+ sign 0.000+/-0.000 χ^2/NDF: 47.8/36

All: -0.000+/-0.000 χ^2/NDF: 91.2/75

- sign -0.000+/-0.000 χ^2/NDF: 41.5/38


asym_sam_3748_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1188815.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1515638.6/20
Right Out: 0.000+/-0.000 χ²/NDF: 1073061.4/18
Left In: 0.000+/-0.000 χ²/NDF:1466523.9/19
+ sign 0.000+/-0.000 χ²/NDF: 3896953.9/36
All: 0.000+/-0.000 χ²/NDF: 8586977.4/75
- sign 0.000+/-0.000 χ²/NDF: 4662128.1/38

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: 0.002+/-0.012 χ^2/NDF:29.4/20

Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

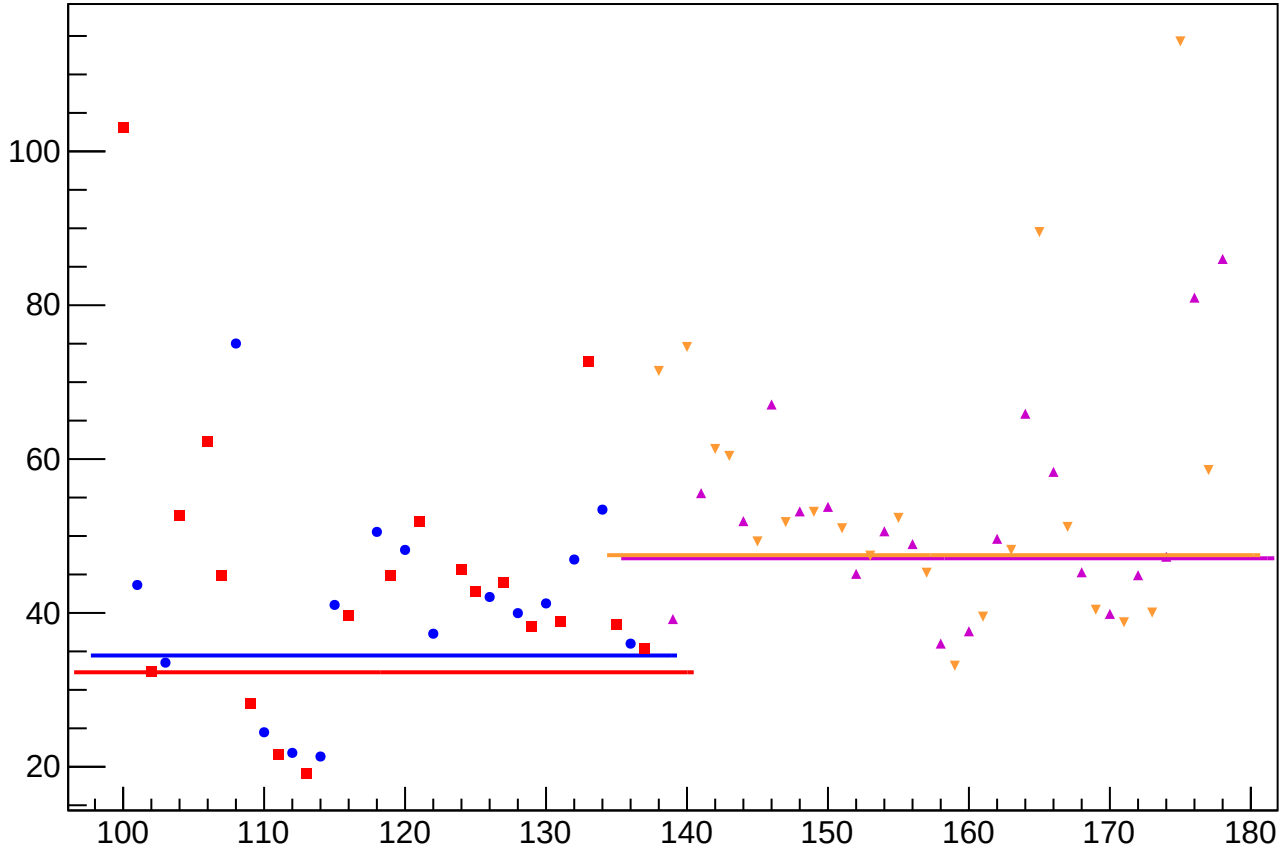
Left In: -0.001+/-0.012 χ^2/NDF:23.2/19

+ sign 0.017+/-0.009 χ^2/NDF: 49.6/36

All: 0.013+/-0.006 χ^2/NDF: 87.8/75

- sign 0.009+/-0.009 χ^2/NDF: 37.8/38

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 47.508+/-0.009 χ^2/NDF:1844319.0/20

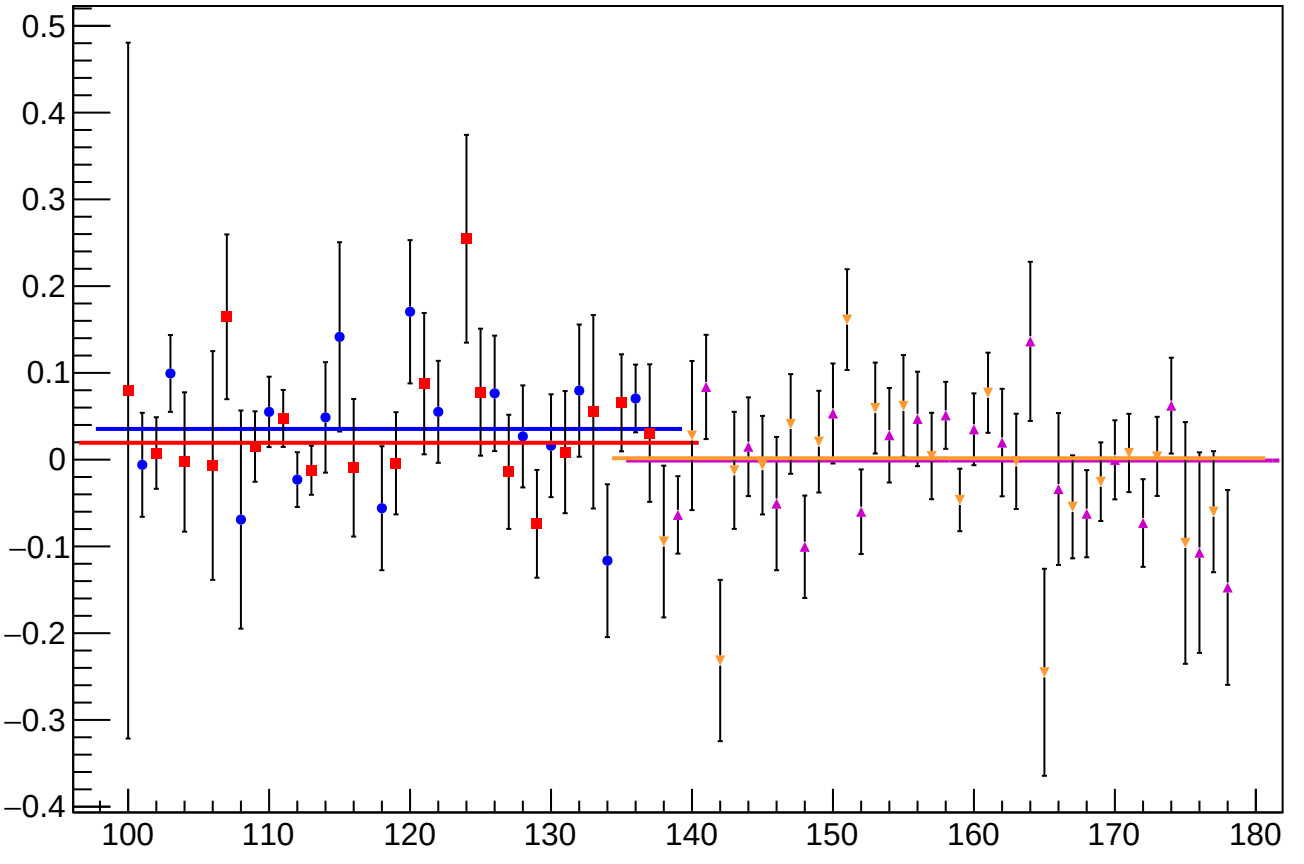
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 47.103+/-0.009 χ^2/NDF:1173570.3/19

+ sign 41.725+/-0.007 χ^2/NDF: 3996290.6/36

All: 40.886+/-0.005 χ^2/NDF: 8217153.1/75

- sign 40.086+/-0.006 χ^2/NDF: 4188725.4/38



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.002+/-0.012 χ^2/NDF:29.4/20

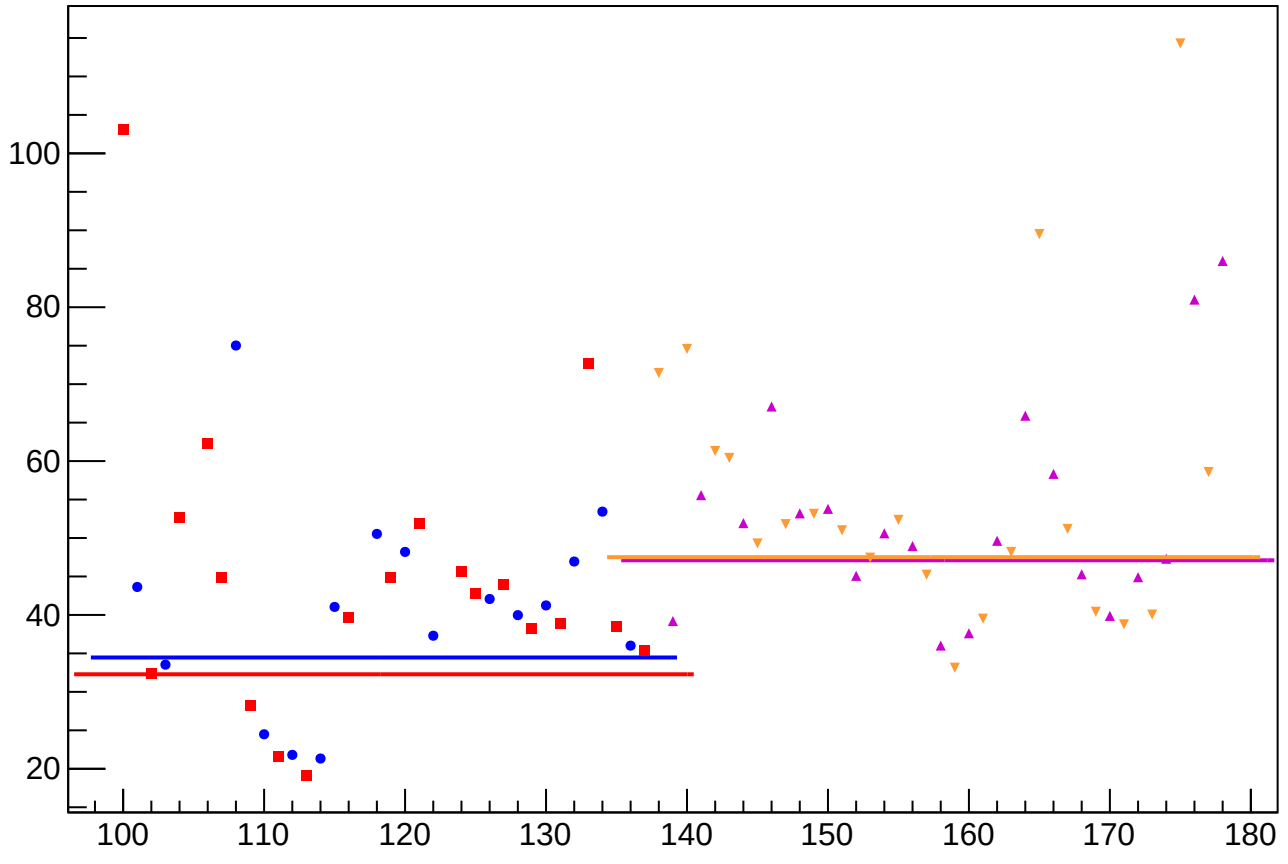
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.001+/-0.012 χ^2/NDF:23.2/19

+ sign 0.017+/-0.009 χ^2/NDF: 49.6/36

All: 0.013+/-0.006 χ^2/NDF: 87.8/75

- sign 0.009+/-0.009 χ^2/NDF: 37.8/38



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 47.508+/-0.009 χ^2/NDF:1844319.0/20

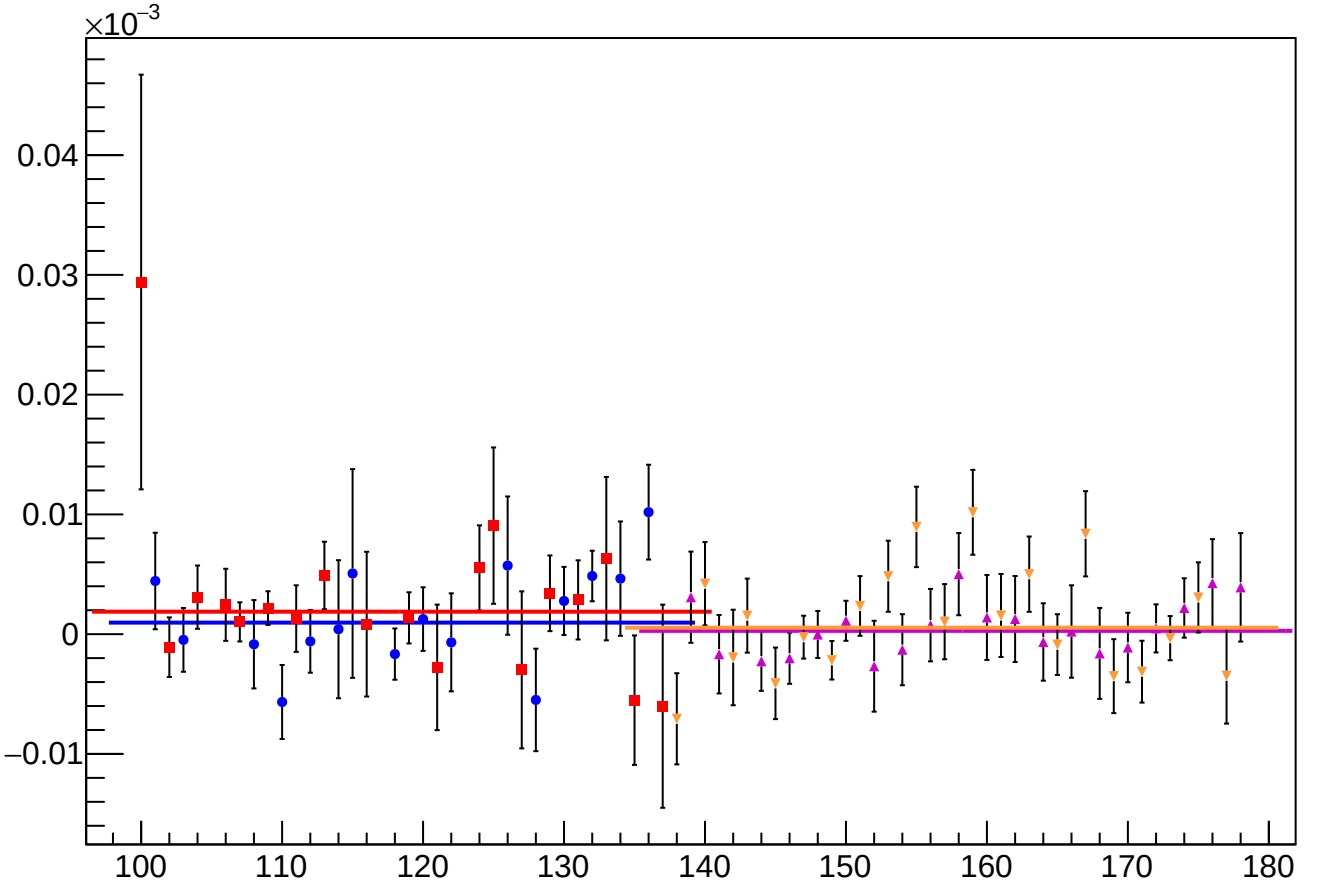
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 47.103+/-0.009 χ^2/NDF:1173570.3/19

+ sign 41.725+/-0.007 χ^2/NDF: 3996290.6/36

All: 40.886+/-0.005 χ^2/NDF: 8217153.1/75

- sign 40.086+/-0.006 χ^2/NDF: 4188725.4/38



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:40.4/20

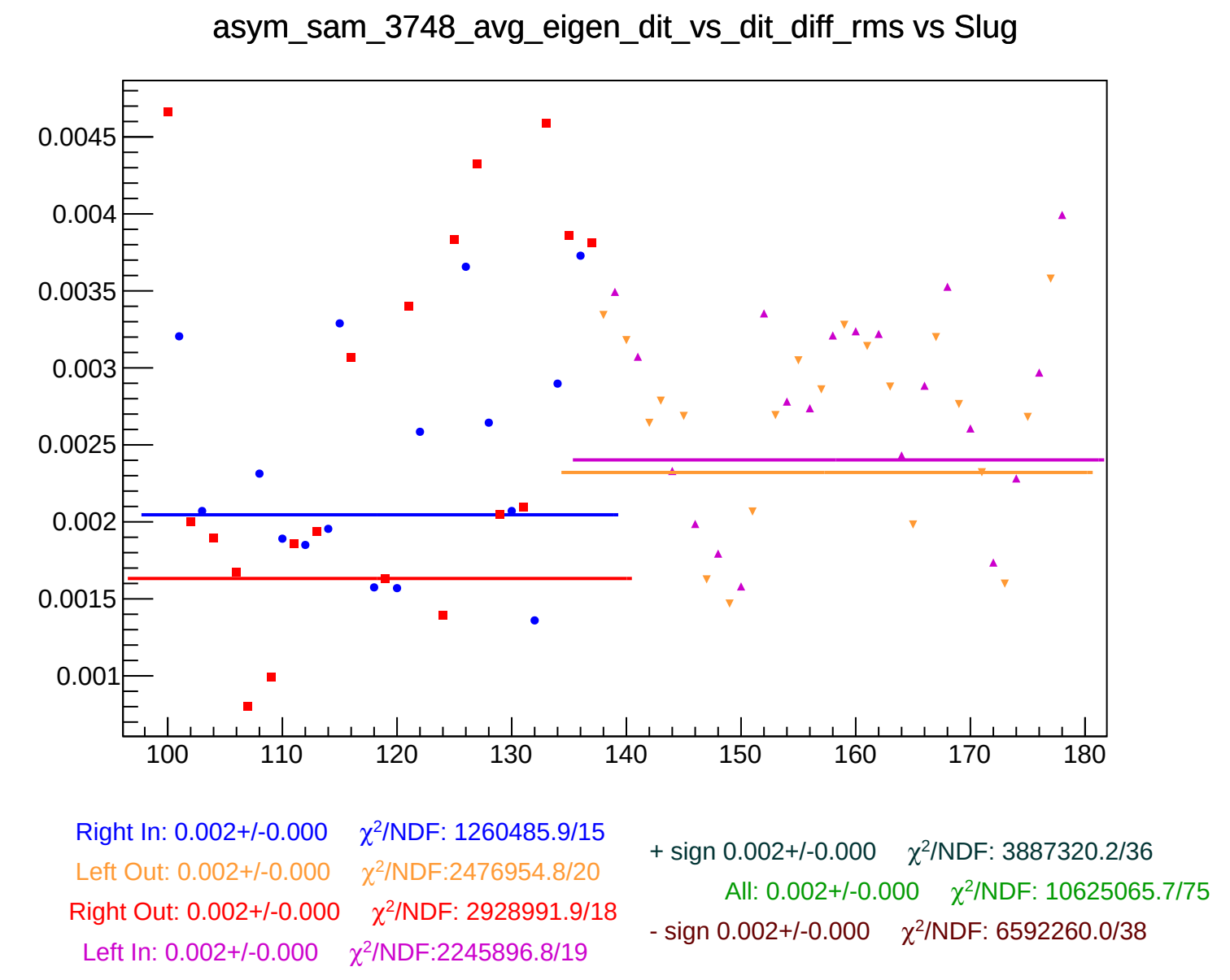
Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:9.4/19

+ sign 0.000+/-0.000 χ^2/NDF: 61.5/36

All: 0.000+/-0.000 χ^2/NDF: 87.0/75

- sign 0.000+/-0.000 χ^2/NDF: 25.3/38


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
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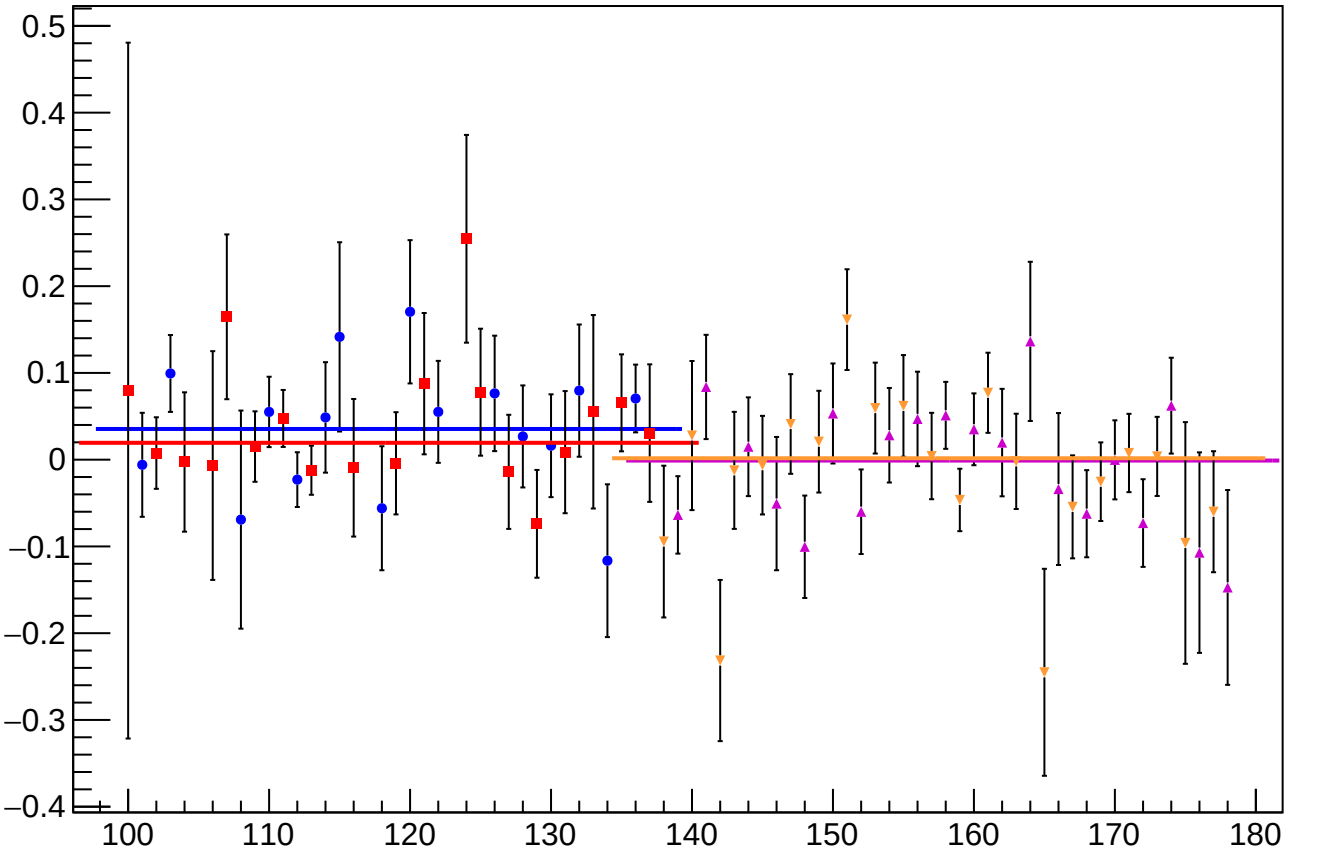
130
140
150
160
170
180
Right In: 0.002+/-0.000 χ²/NDF: 1260485.9/15
Left Out: 0.002+/-0.000 χ²/NDF:2476954.8/20
Right Out: 0.002+/-0.000 χ²/NDF: 2928991.9/18
Left In: 0.002+/-0.000 χ²/NDF:2245896.8/19
+ sign 0.002+/-0.000 χ²/NDF: 3887320.2/36
All: 0.002+/-0.000 χ²/NDF: 10625065.7/75
- sign 0.002+/-0.000 χ²/NDF: 6592260.0/38



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.002+/-0.012 χ^2/NDF:29.4/20

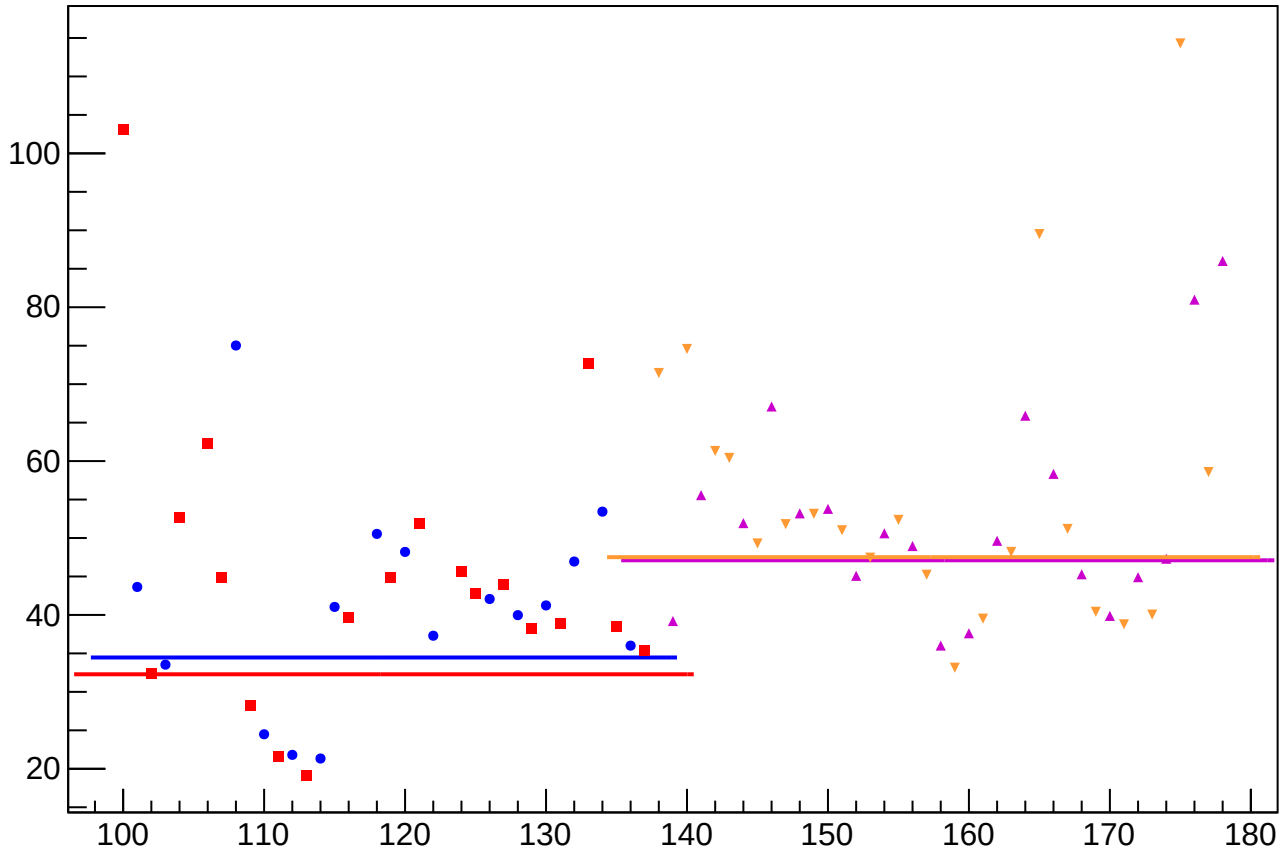
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.001+/-0.012 χ^2/NDF:23.2/19

+ sign 0.017+/-0.009 χ^2/NDF: 49.6/36

All: 0.013+/-0.006 χ^2/NDF: 87.8/75

- sign 0.009+/-0.009 χ^2/NDF: 37.8/38



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 47.508+/-0.009 χ^2/NDF:1844307.4/20

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

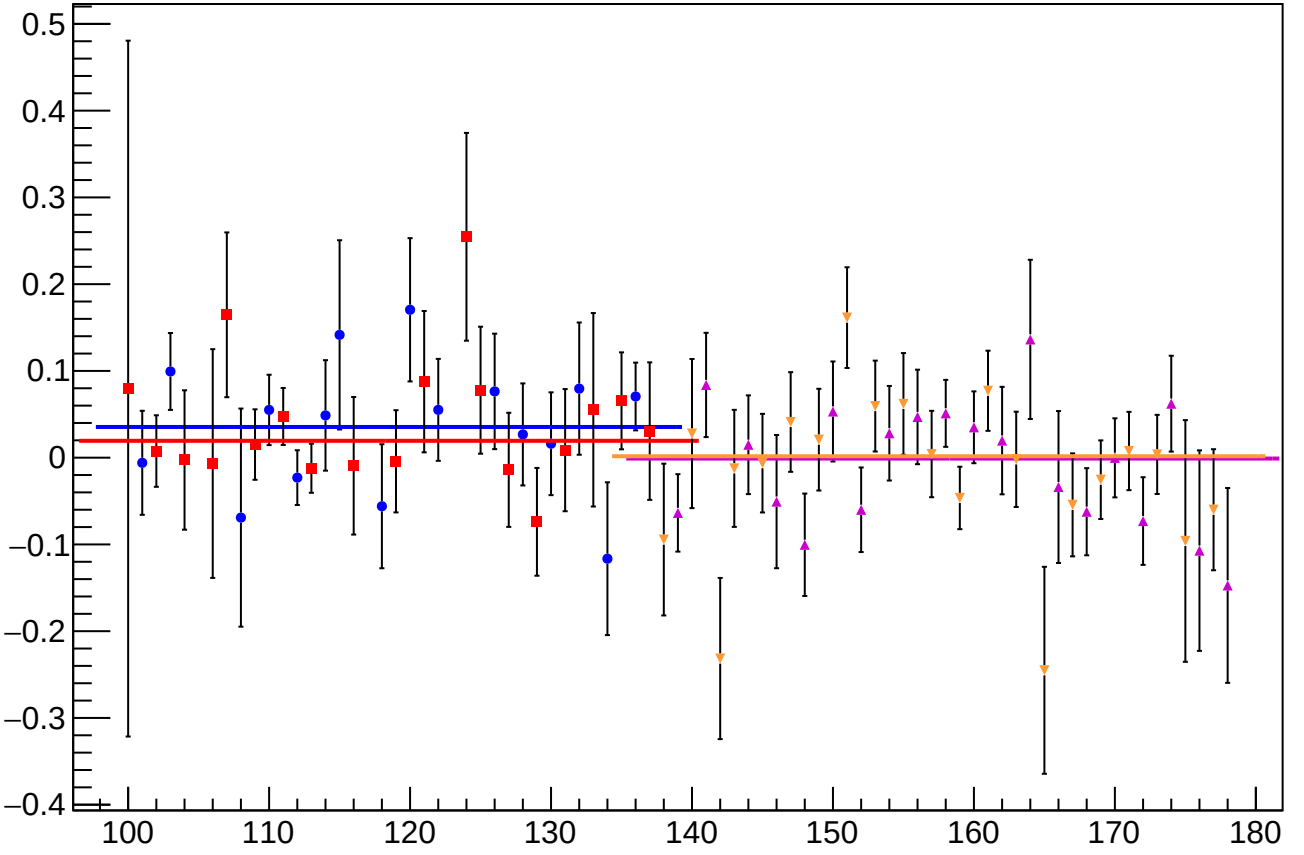
Left In: 47.103+/-0.009 χ^2/NDF:1173563.3/19

+ sign 41.725+/-0.007 χ^2/NDF: 3996247.2/36

All: 40.886+/-0.005 χ^2/NDF: 8217072.9/75

- sign 40.087+/-0.006 χ^2/NDF: 4188689.3/38

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.002+/-0.012 χ^2/NDF:29.4/20

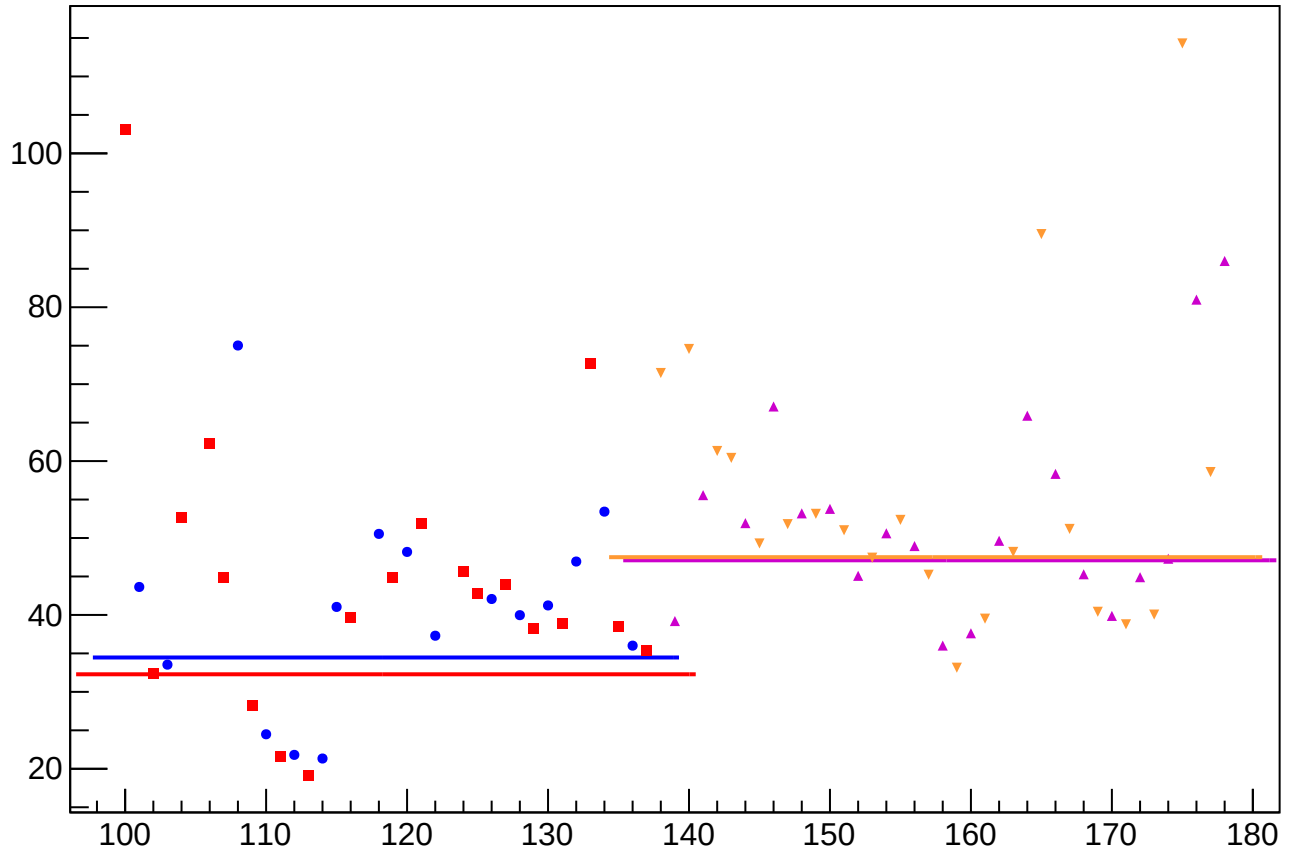
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.001+/-0.012 χ^2/NDF:23.2/19

+ sign 0.017+/-0.009 χ^2/NDF: 49.6/36

All: 0.013+/-0.006 χ^2/NDF: 87.8/75

- sign 0.009+/-0.009 χ^2/NDF: 37.8/38



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 47.508+/-0.009 χ^2/NDF:1844307.4/20

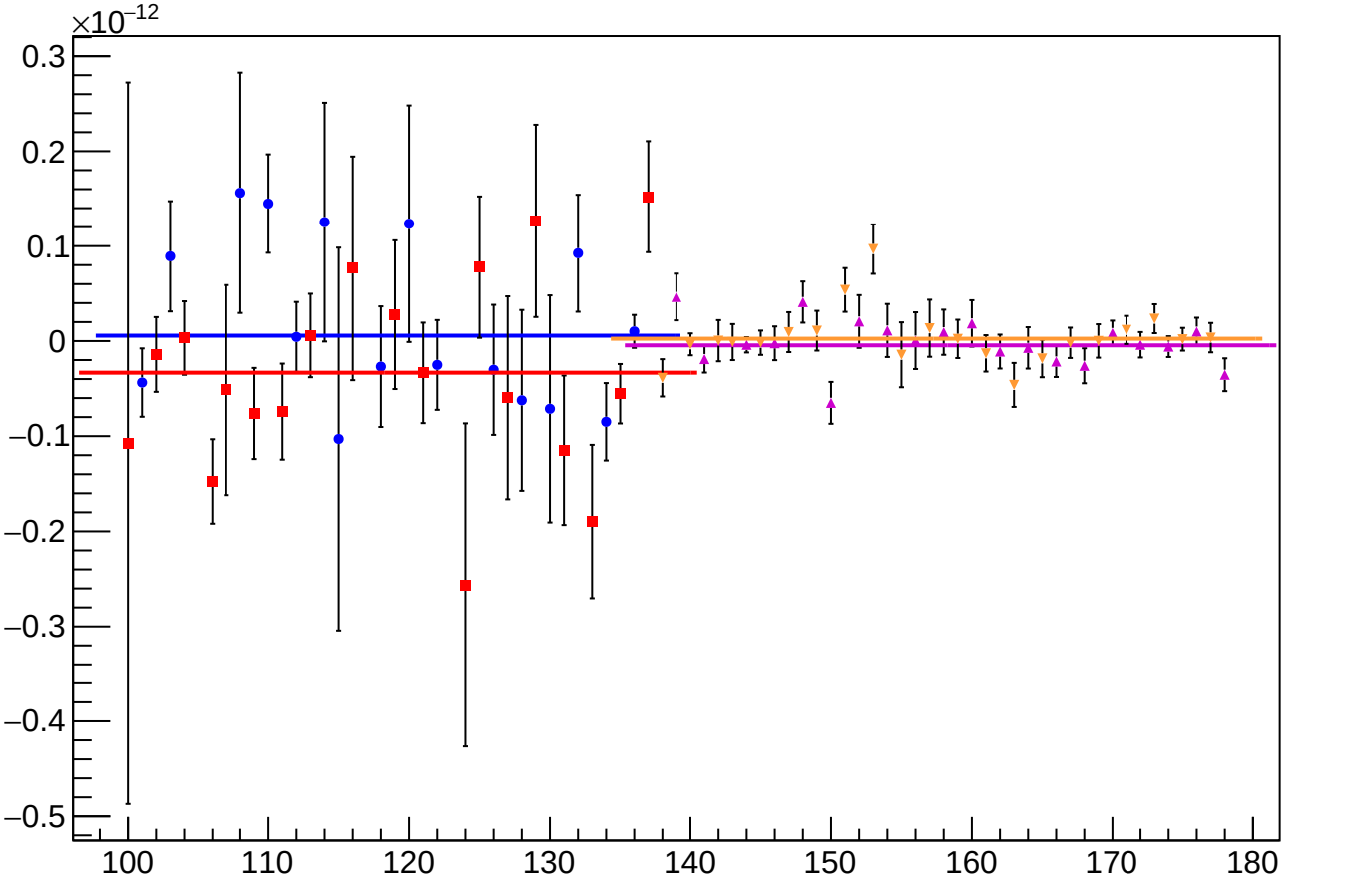
Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 47.103+/-0.009 χ^2/NDF:1173563.3/19

+ sign 41.725+/-0.007 χ^2/NDF: 3996247.2/36

All: 40.886+/-0.005 χ^2/NDF: 8217072.9/75

- sign 40.087+/-0.006 χ^2/NDF: 4188689.3/38



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/20

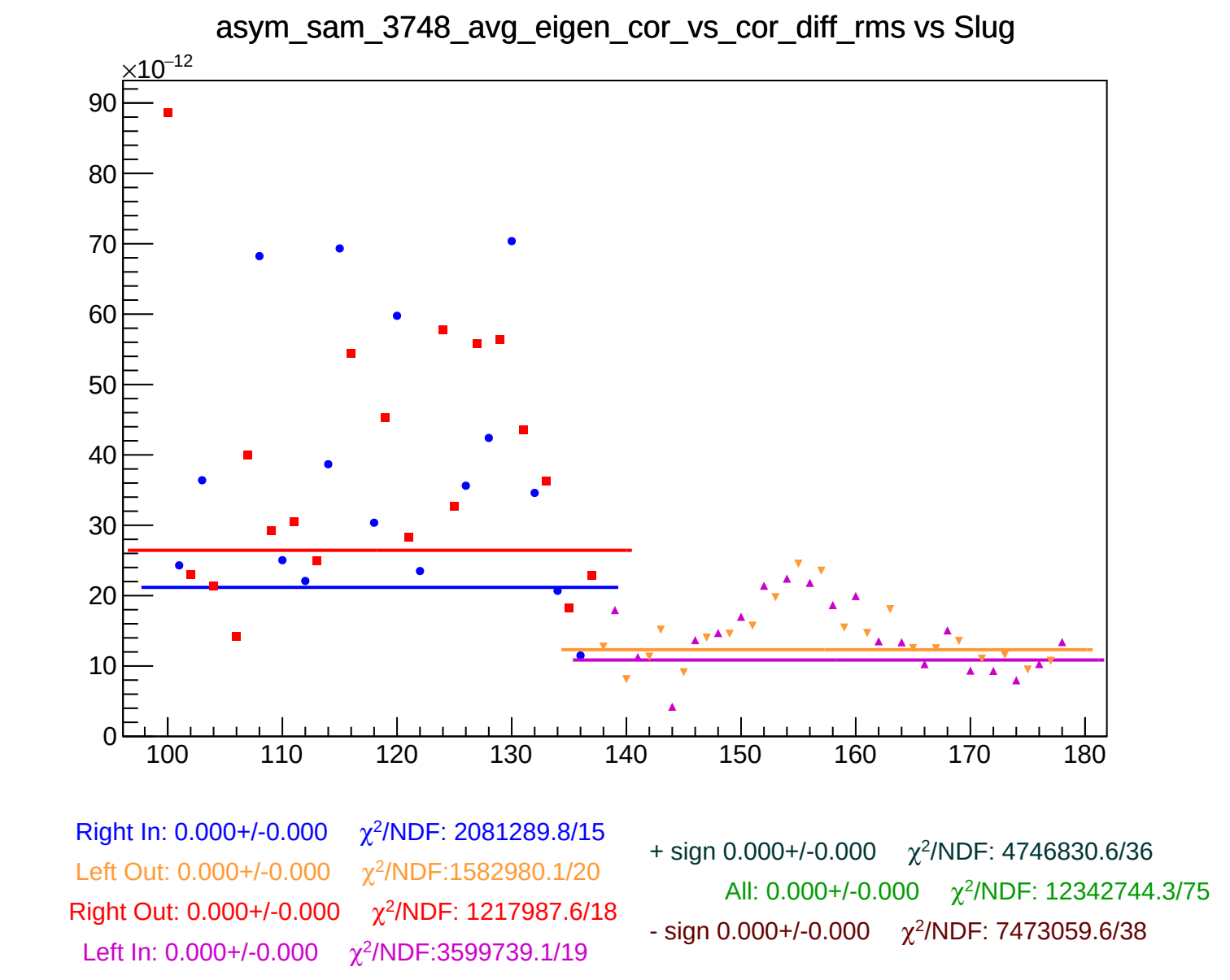
Right Out: -0.000+/-0.000 χ^2/NDF: 33.5/18

Left In: -0.000+/-0.000 χ^2/NDF:27.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 55.9/36

All: -0.000+/-0.000 χ^2/NDF: 124.8/75

- sign -0.000+/-0.000 χ^2/NDF: 65.5/38


asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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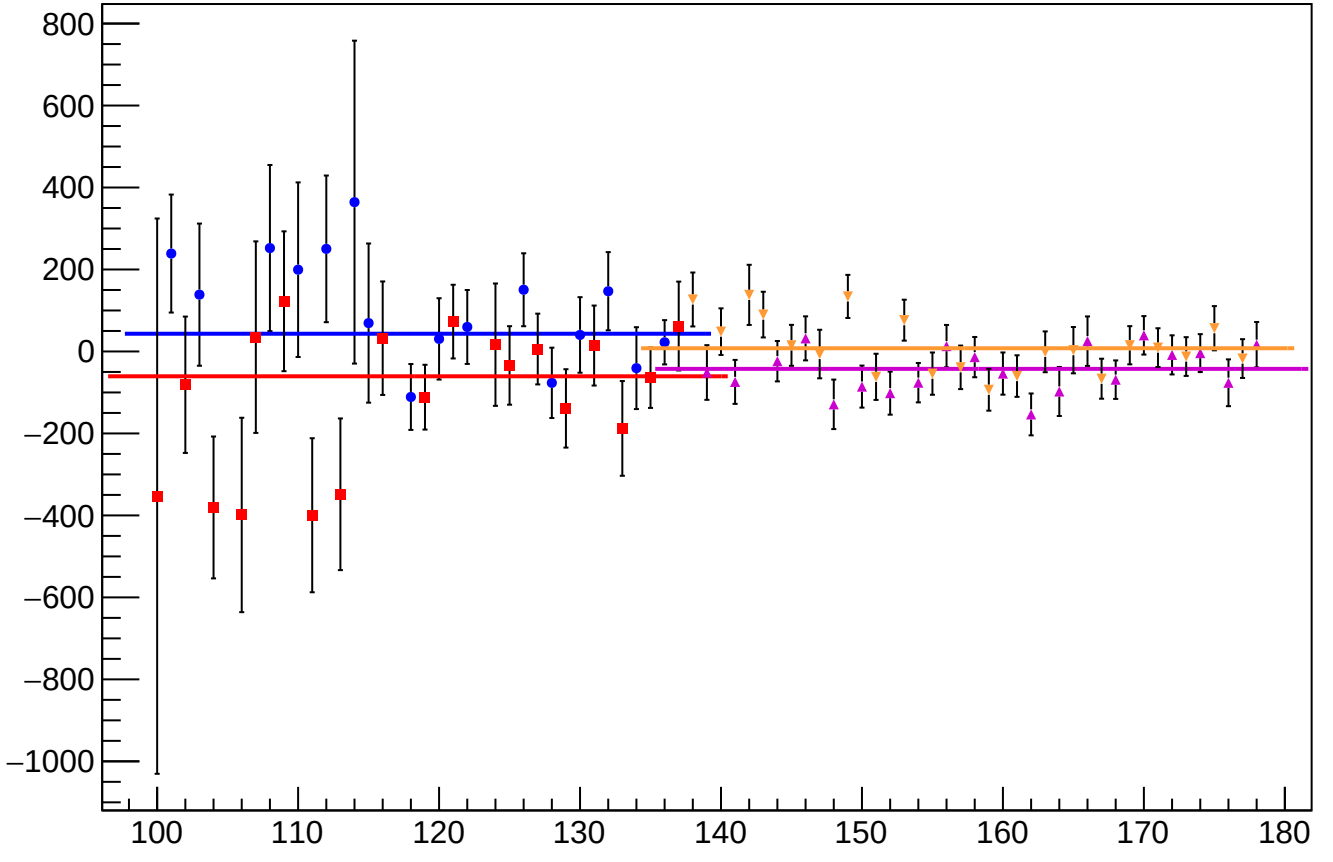
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2081289.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1582980.1/20
Right Out: 0.000+/-0.000 χ²/NDF: 1217987.6/18
Left In: 0.000+/-0.000 χ²/NDF:3599739.1/19
+ sign 0.000+/-0.000 χ²/NDF: 4746830.6/36
All: 0.000+/-0.000 χ²/NDF: 12342744.3/75
- sign 0.000+/-0.000 χ²/NDF: 7473059.6/38

reg_asym_sam_1526_avg_mean vs Slug



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 7.837+/-11.472 χ^2/NDF:30.0/20

Right Out: -60.582+/-26.894 χ^2/NDF: 20.4/18

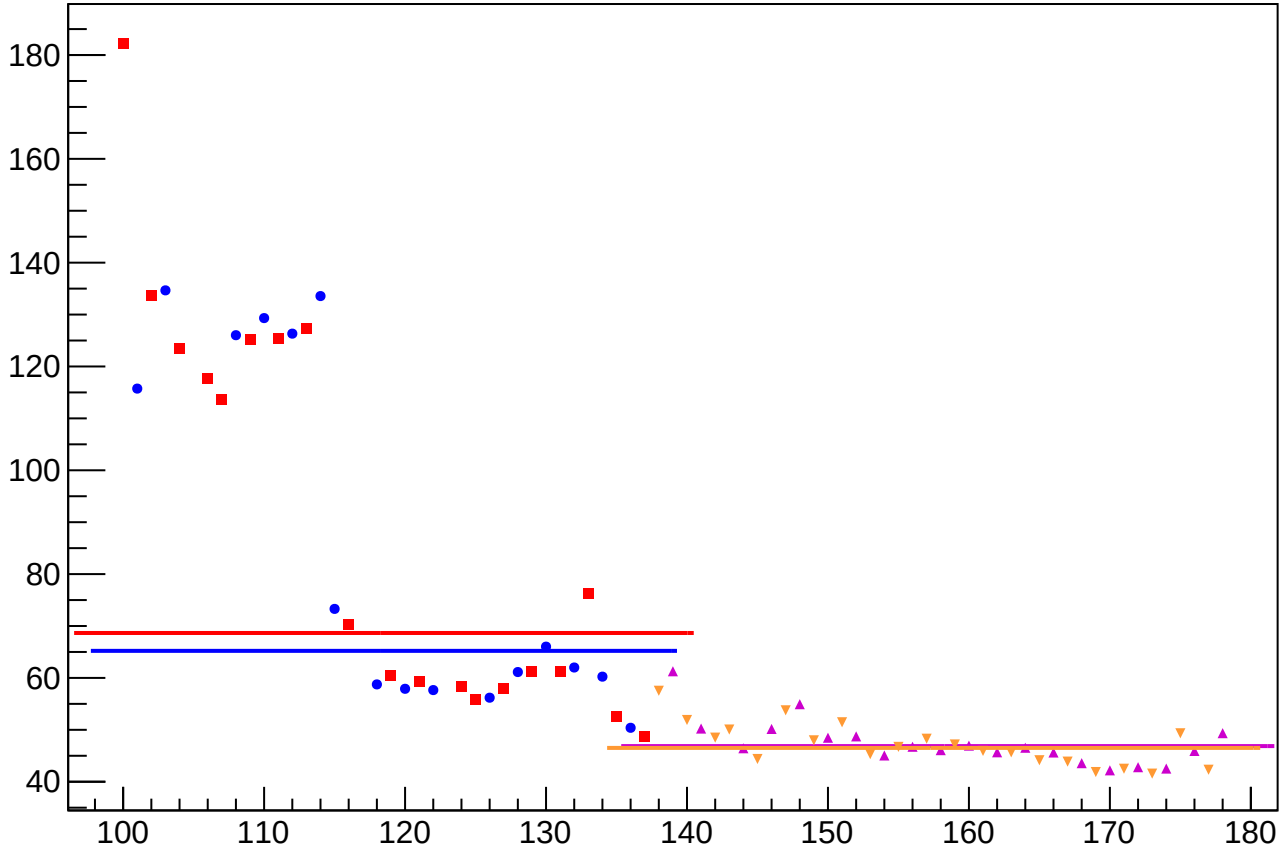
Left In: -42.468+/-11.681 χ^2/NDF:21.4/19

+ sign 13.689+/-10.481 χ^2/NDF: 46.5/36

All: -15.177+/-7.492 χ^2/NDF: 104.2/75

- sign -45.343+/-10.714 χ^2/NDF: 42.2/38

reg_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 46.515+/-0.008 χ^2/NDF:225455.8/20

Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

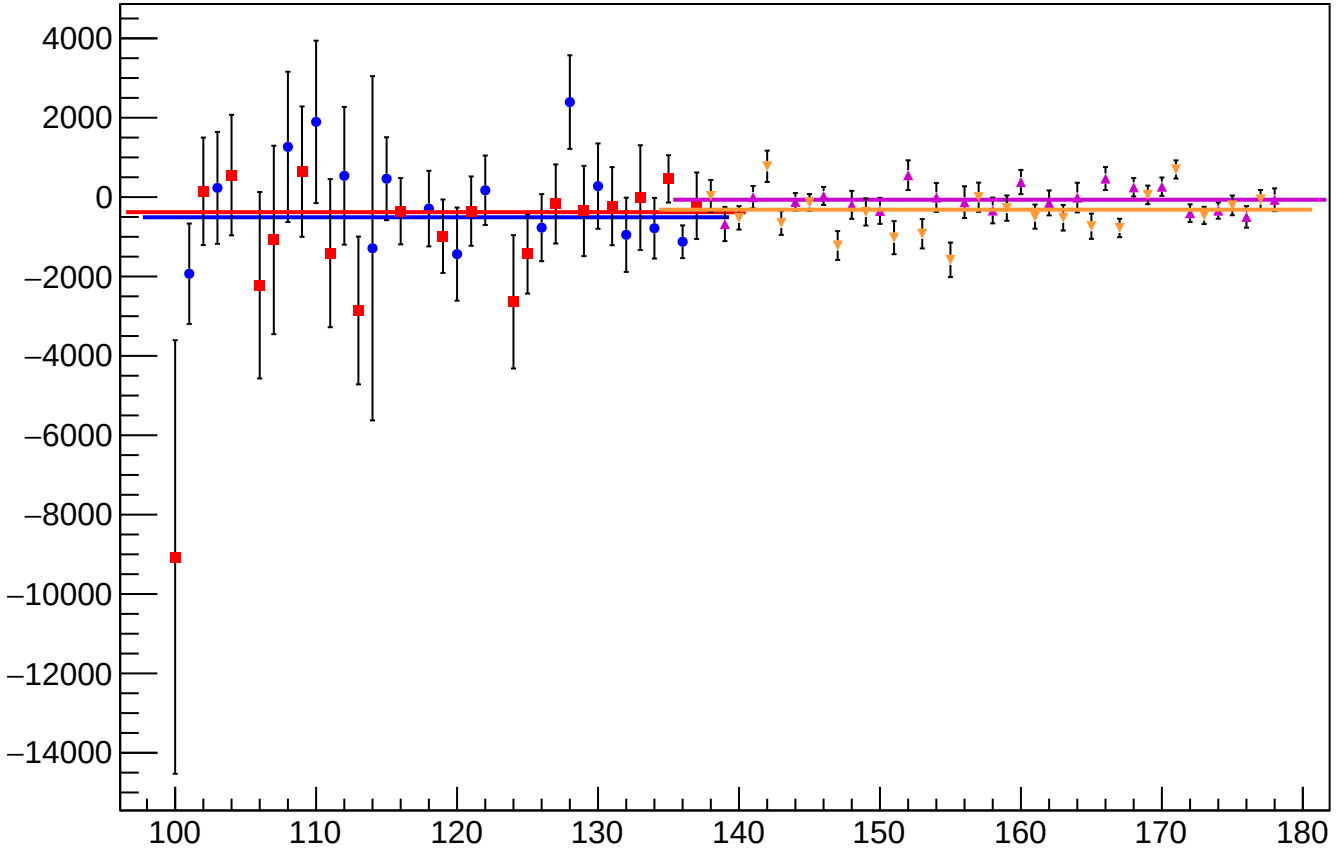
Left In: 46.865+/-0.008 χ^2/NDF:220842.5/19

+ sign 49.605+/-0.007 χ^2/NDF: 2550106.1/36

All: 49.956+/-0.005 χ^2/NDF: 5521114.7/75

- sign 50.323+/-0.008 χ^2/NDF: 2966416.0/38

asym_sam_1526_avg_reg_correction_mean vs Slug



Right In: -507.928+/-236.945 χ^2/NDF: 15.6/15

Left Out: -316.524+/-63.235 χ^2/NDF:62.1/20

Right Out: -378.892+/-256.407 χ^2/NDF: 11.7/18

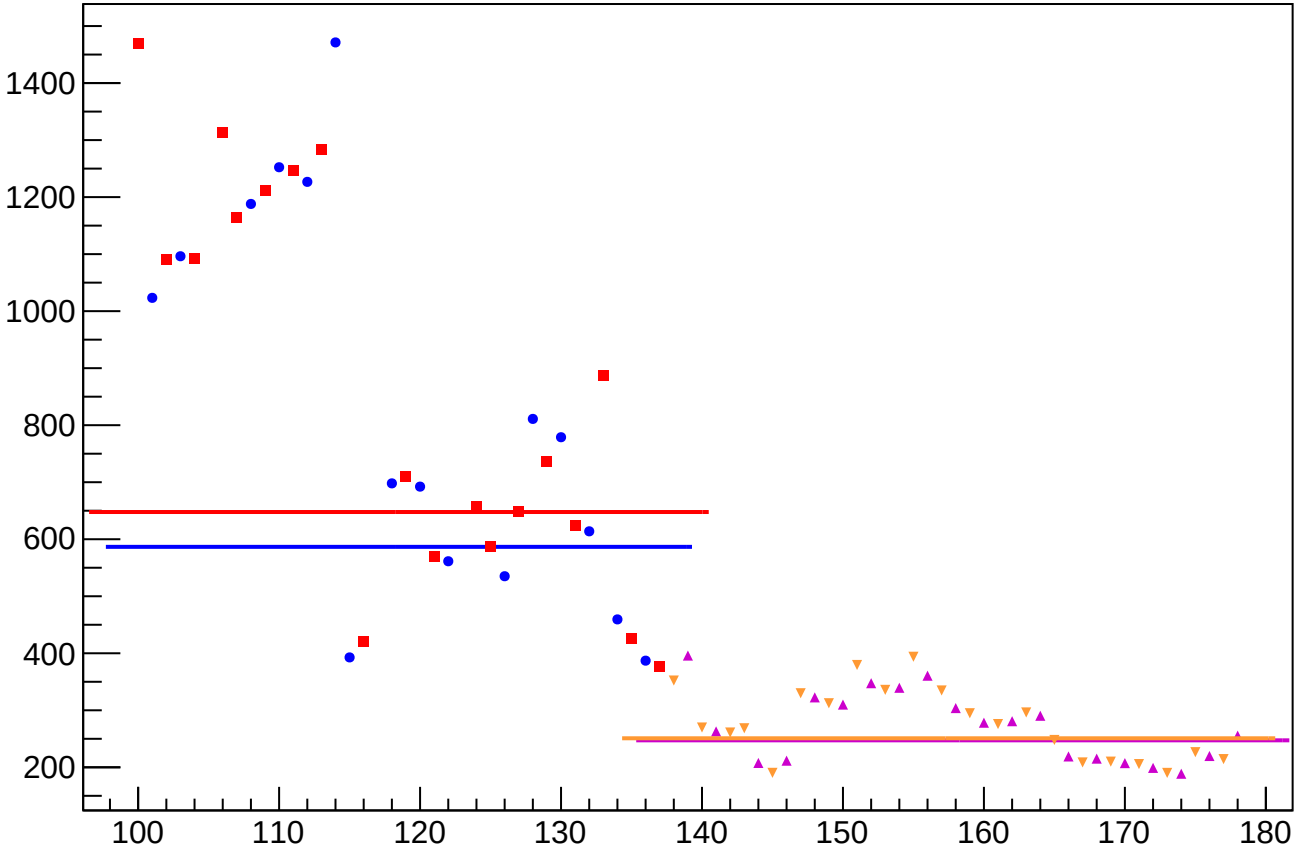
Left In: -65.809+/-62.903 χ^2/NDF:22.8/19

+ sign -329.250+/-61.096 χ^2/NDF: 78.4/36

All: -206.406+/-43.200 χ^2/NDF: 122.4/75

- sign -83.582+/-61.091 χ^2/NDF: 35.9/38

asym_sam_1526_avg_reg_correction_rms vs Slug



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 250.905+/-0.045 χ^2/NDF:1598966.0/20

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

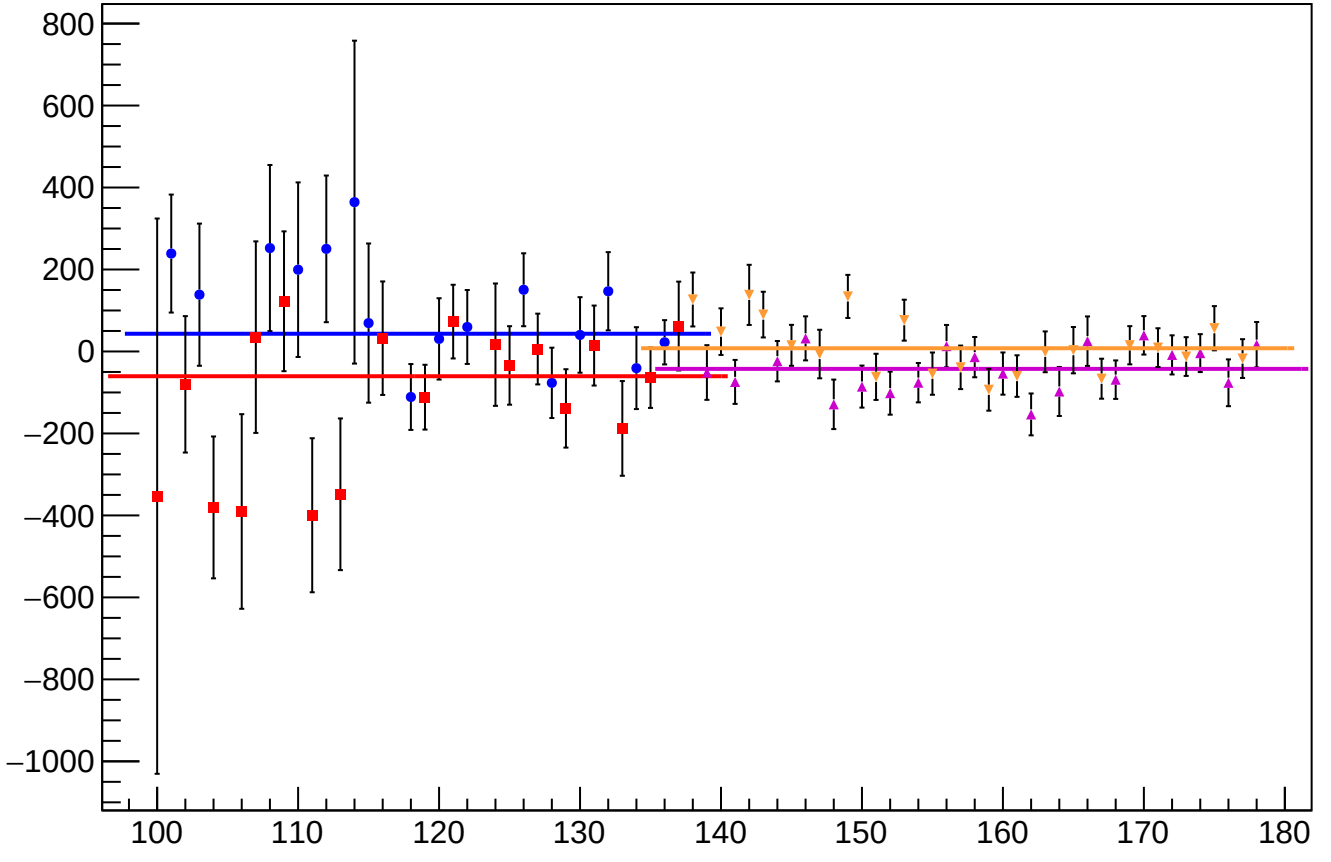
Left In: 247.323+/-0.044 χ^2/NDF:1482604.3/19

\+ sign 273.227+/-0.043 χ^2/NDF: 7400646.0/36

All: 271.640+/-0.031 χ^2/NDF: 15592089.1/75

\- sign 270.053+/-0.043 χ^2/NDF: 8188744.0/38

cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 7.837+/-11.472 χ^2/NDF:30.0/20

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

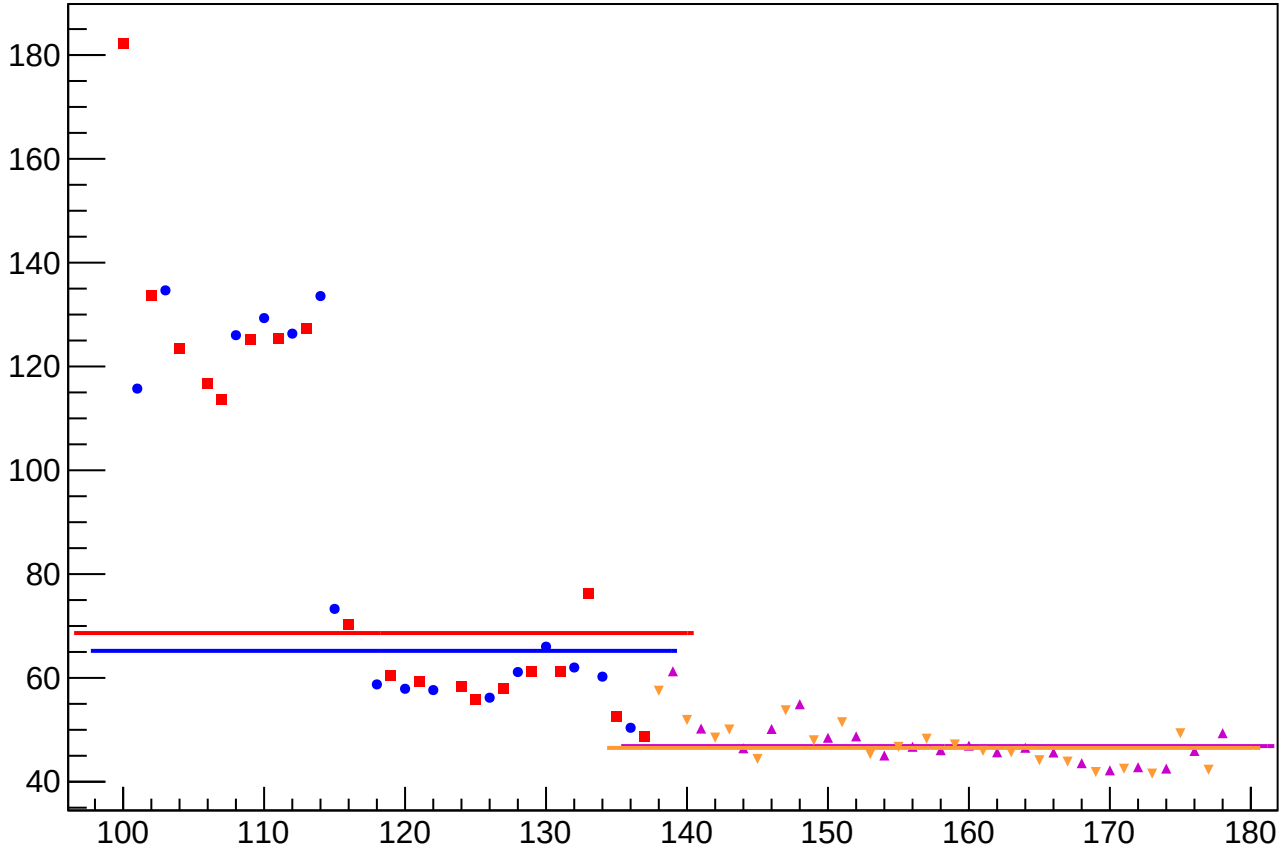
Left In: -42.468+/-11.681 χ^2/NDF:21.4/19

+ sign 13.688+/-10.481 χ^2/NDF: 46.5/36

All: -15.166+/-7.492 χ^2/NDF: 104.1/75

- sign -45.319+/-10.714 χ^2/NDF: 42.1/38

cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 46.515+/-0.008 χ^2/NDF:225455.8/20

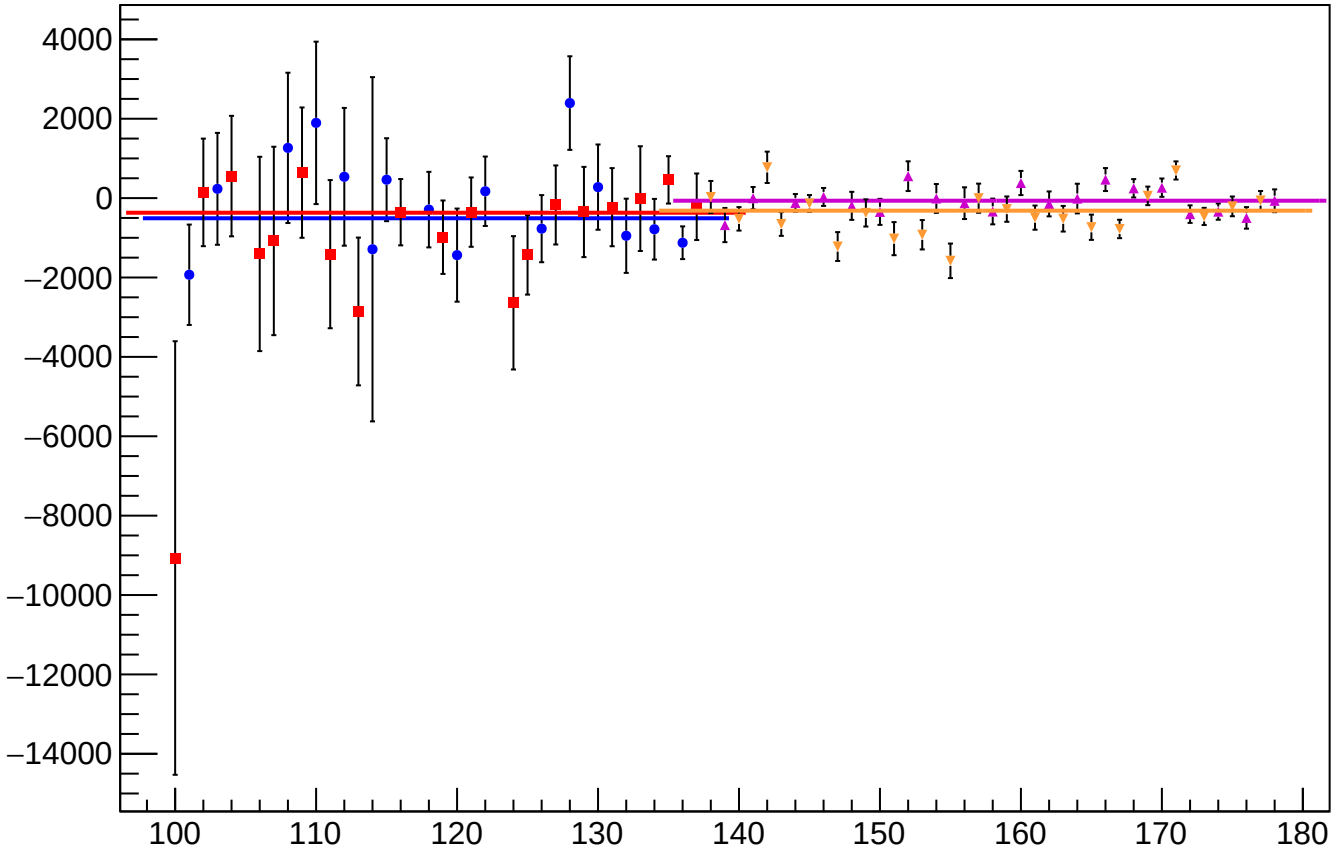
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 46.865+/-0.008 χ^2/NDF:220842.5/19

+ sign 49.605+/-0.007 χ^2/NDF: 2550108.1/36

All: 49.955+/-0.005 χ^2/NDF: 5516228.0/75

- sign 50.321+/-0.008 χ^2/NDF: 2961558.7/38



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -316.522+/-63.235 χ^2/NDF:62.1/20

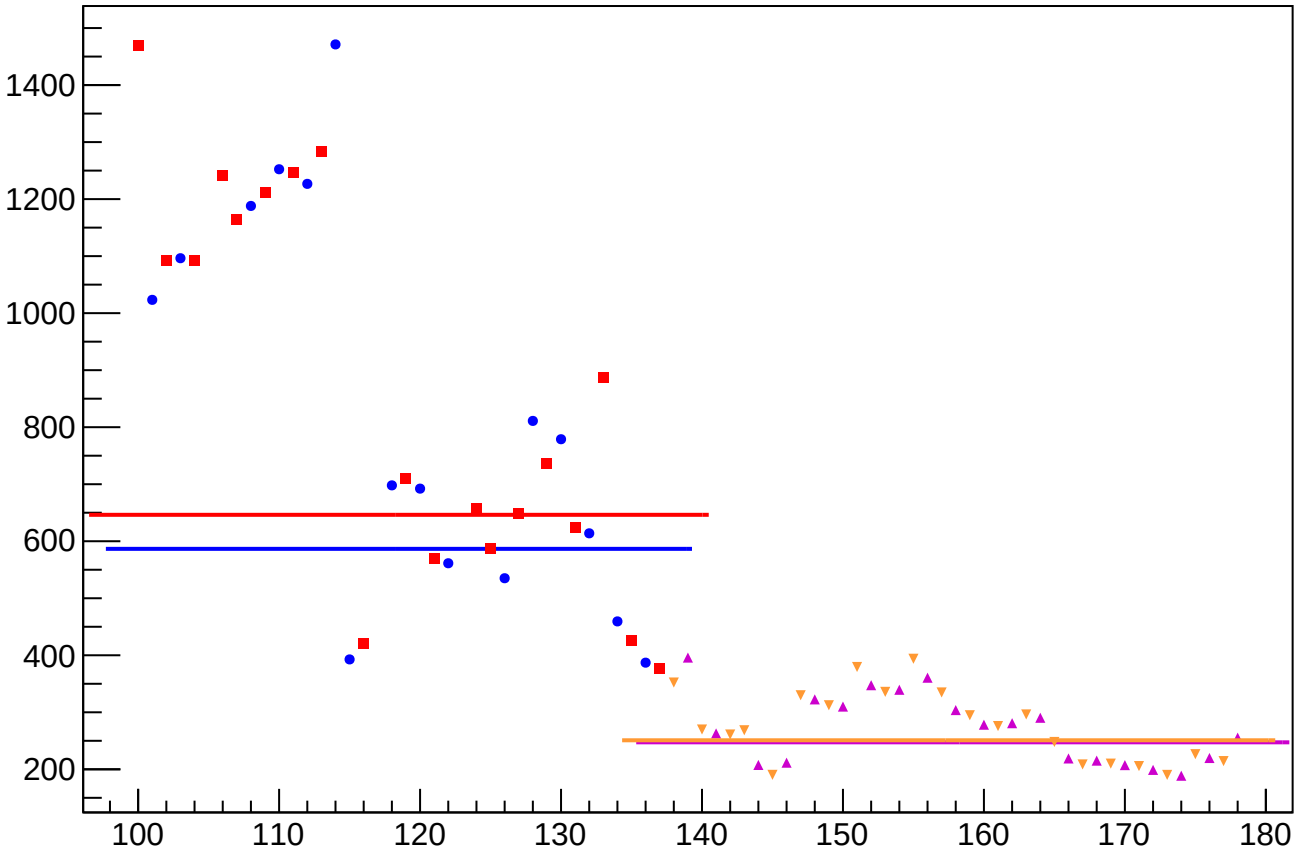
Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: -65.807+/-62.903 χ^2/NDF:22.8/19

+ sign -329.247+/-61.096 χ^2/NDF: 78.4/36

All: -206.099+/-43.201 χ^2/NDF: 121.9/75

- sign -82.965+/-61.093 χ^2/NDF: 35.4/38



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 250.905+/-0.045 χ^2/NDF:1598977.0/20

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

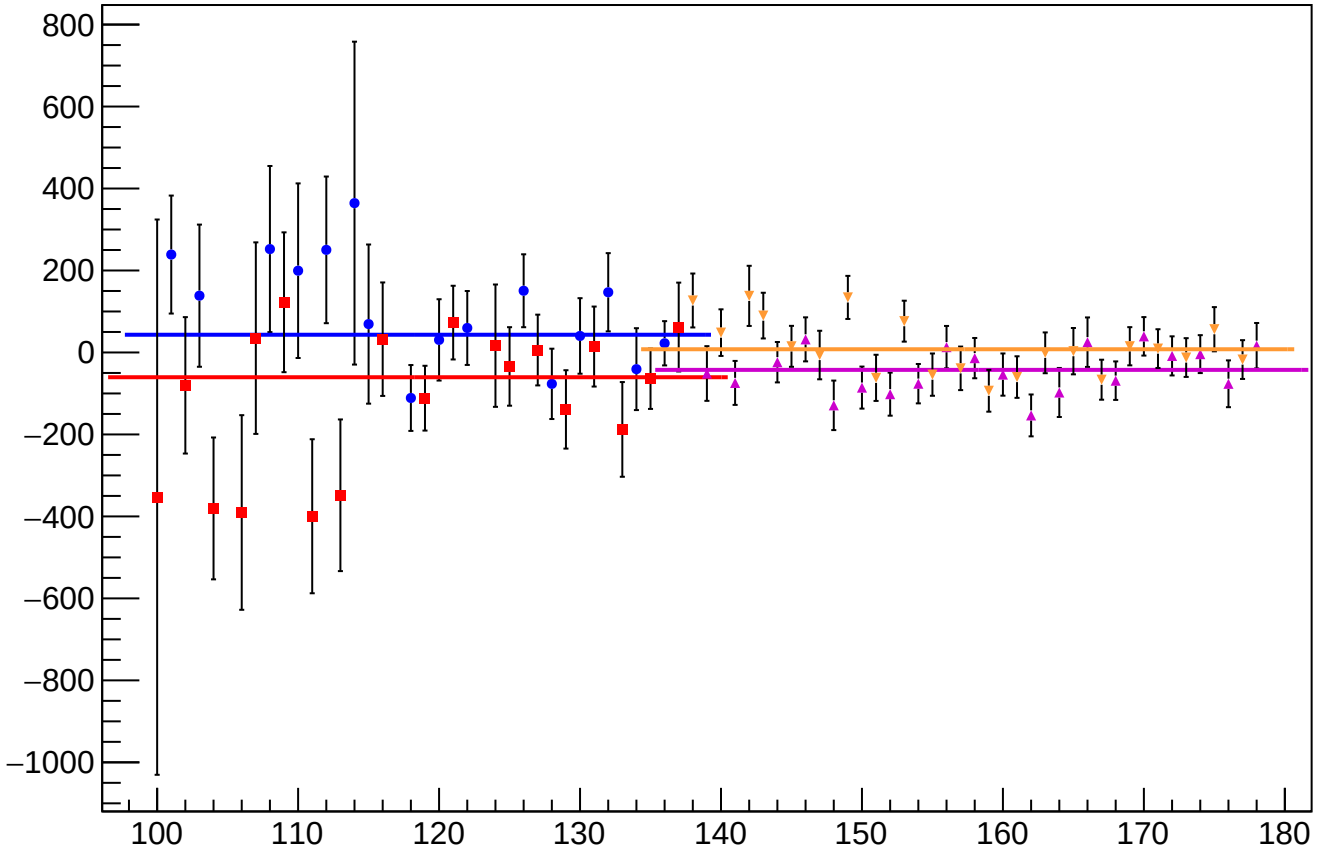
Left In: 247.323+/-0.044 χ^2/NDF:1482599.2/19

+ sign 273.227+/-0.043 χ^2/NDF: 7400684.5/36

All: 271.590+/-0.031 χ^2/NDF: 15513279.8/75

- sign 269.952+/-0.043 χ^2/NDF: 8109722.5/38

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 7.837+/-11.472 χ^2/NDF:30.0/20

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

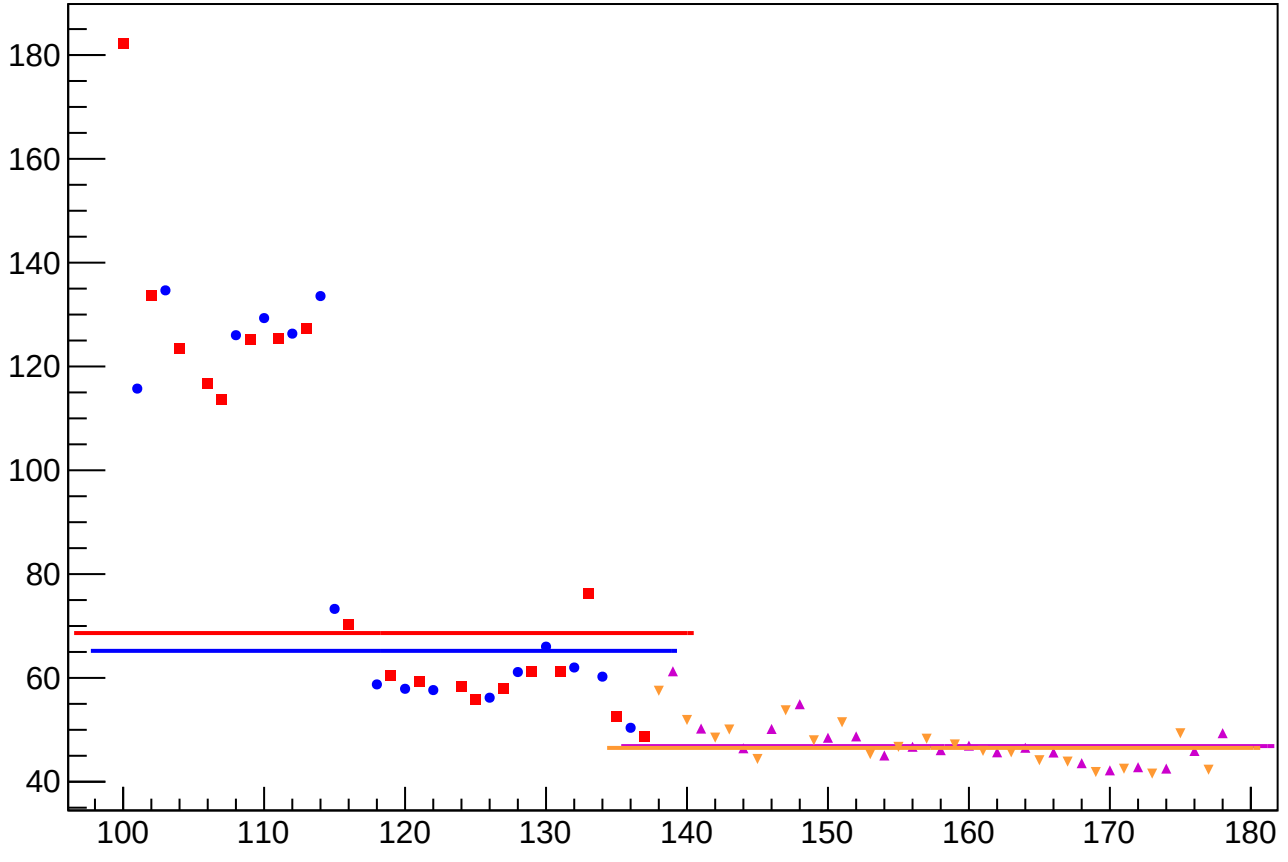
Left In: -42.468+/-11.681 χ^2/NDF:21.4/19

+ sign 13.688+/-10.481 χ^2/NDF: 46.5/36

All: -15.166+/-7.492 χ^2/NDF: 104.1/75

- sign -45.319+/-10.714 χ^2/NDF: 42.1/38

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 46.515+/-0.008 χ^2/NDF:225455.8/20

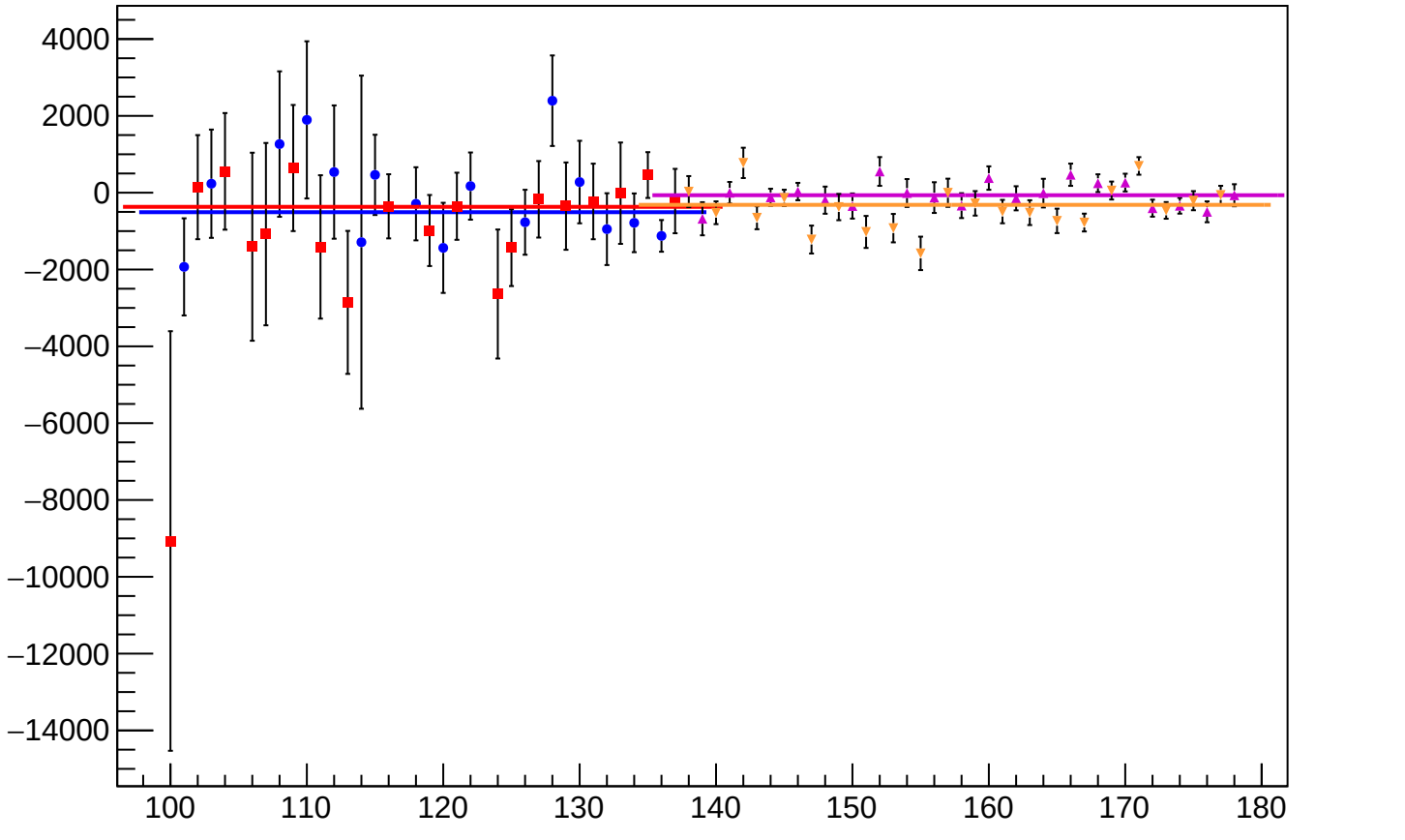
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 46.865+/-0.008 χ^2/NDF:220842.5/19

+ sign 49.605+/-0.007 χ^2/NDF: 2550108.1/36

All: 49.955+/-0.005 χ^2/NDF: 5516228.0/75

- sign 50.321+/-0.008 χ^2/NDF: 2961558.7/38



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -316.522+/-63.235 χ^2/NDF:62.1/20

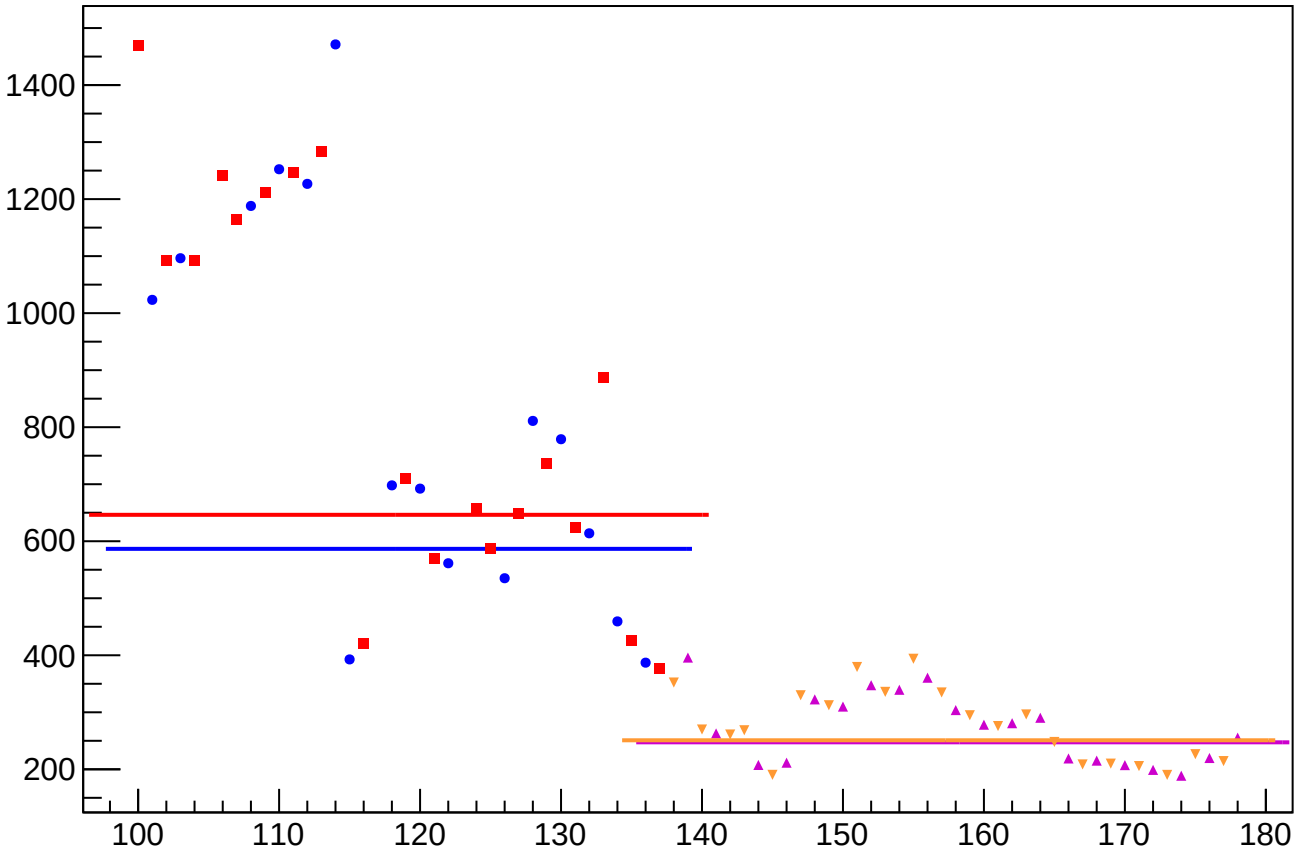
Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: -65.807+/-62.903 χ^2/NDF:22.8/19

+ sign -329.247+/-61.096 χ^2/NDF: 78.4/36

All: -206.099+/-43.201 χ^2/NDF: 121.9/75

- sign -82.965+/-61.093 χ^2/NDF: 35.4/38



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 250.905+/-0.045 χ^2/NDF:1598977.0/20

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

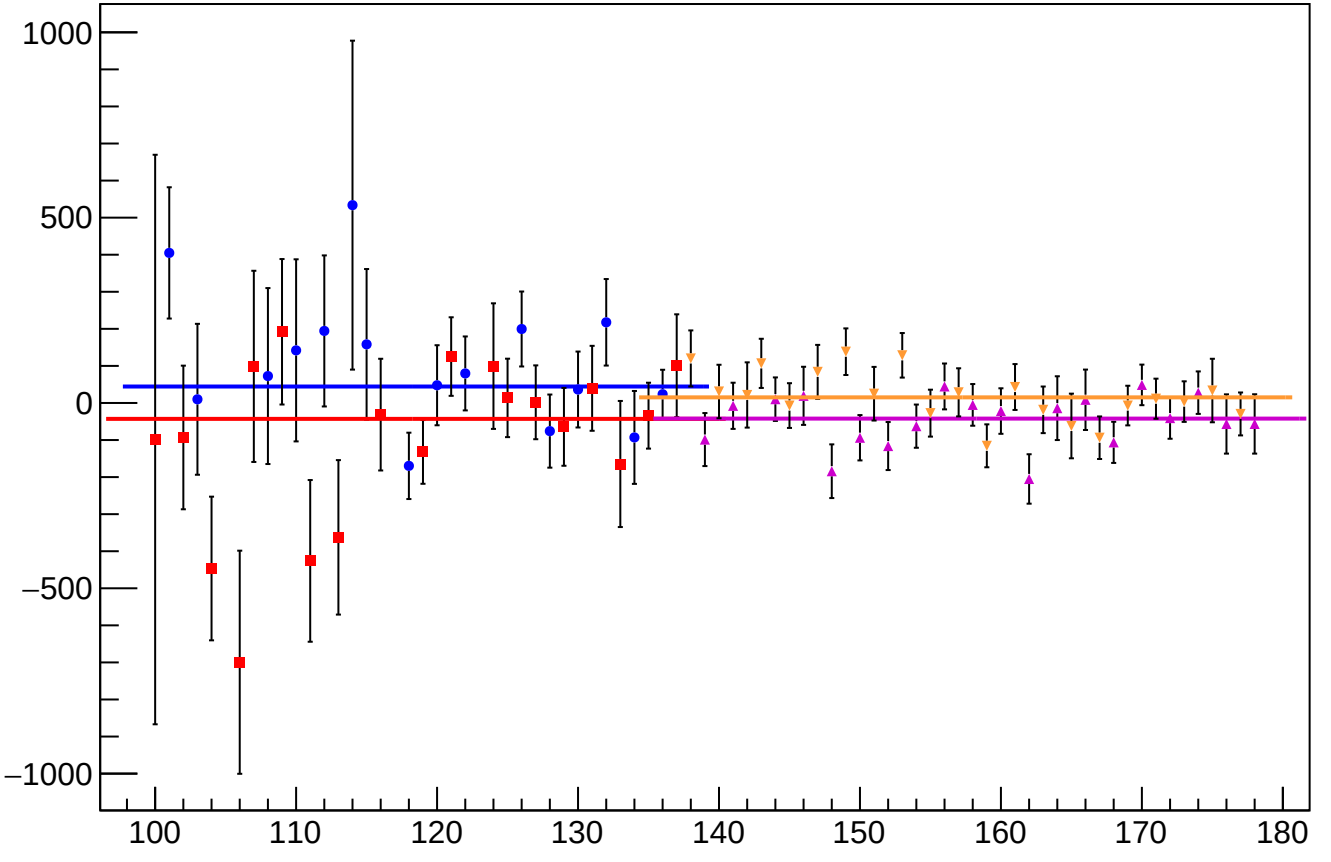
Left In: 247.323+/-0.044 χ^2/NDF:1482599.2/19

+ sign 273.227+/-0.043 χ^2/NDF: 7400684.5/36

All: 271.590+/-0.031 χ^2/NDF: 15513279.8/75

- sign 269.952+/-0.043 χ^2/NDF: 8109722.5/38

dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 15.140+/-14.001 χ^2/NDF:23.7/20

Right Out: -42.901+/-31.248 χ^2/NDF: 23.3/18

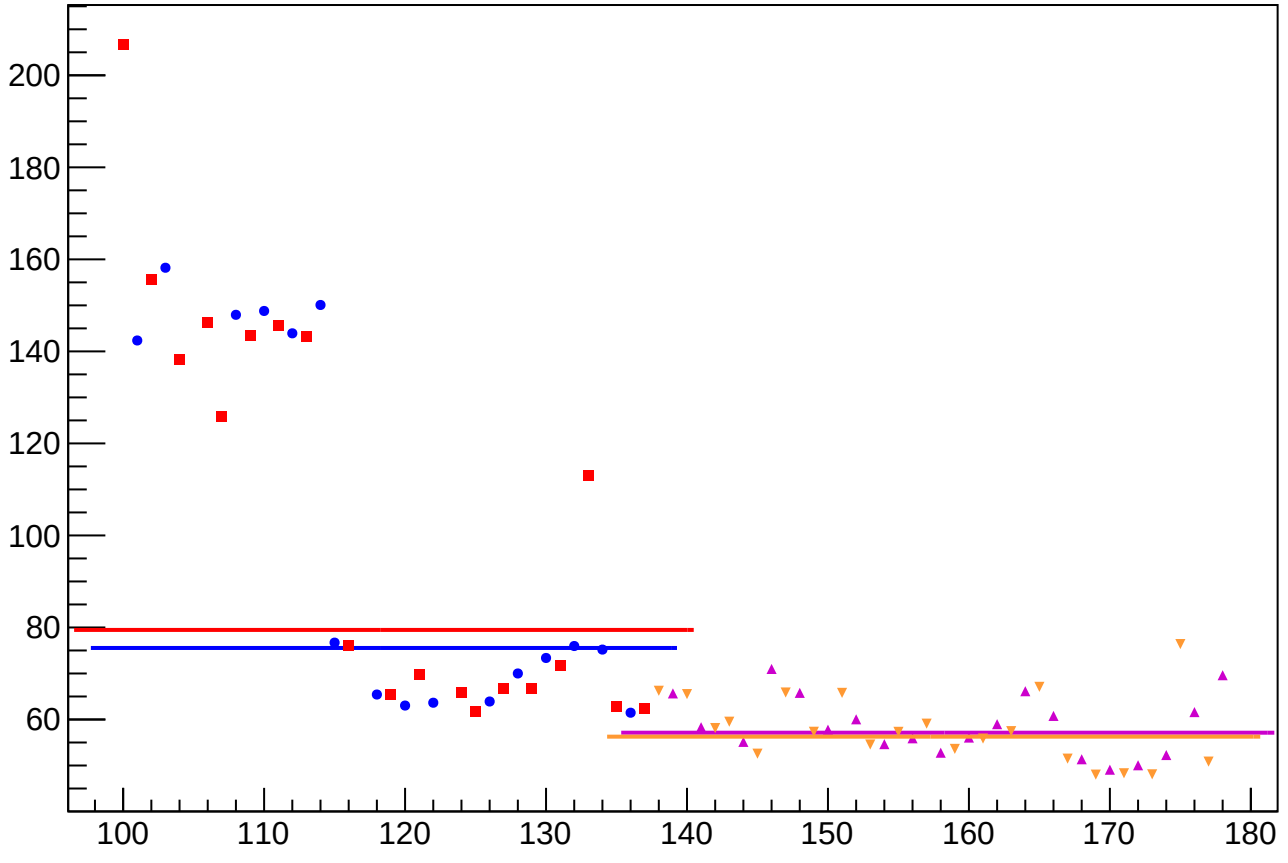
Left In: -42.178+/-14.365 χ^2/NDF:22.9/19

+ sign 20.397+/-12.681 χ^2/NDF: 44.1/36

All: -10.049+/-9.095 χ^2/NDF: 102.2/75

- sign -42.304+/-13.052 χ^2/NDF: 46.2/38

dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 56.270+/-0.010 χ^2/NDF:469982.1/20

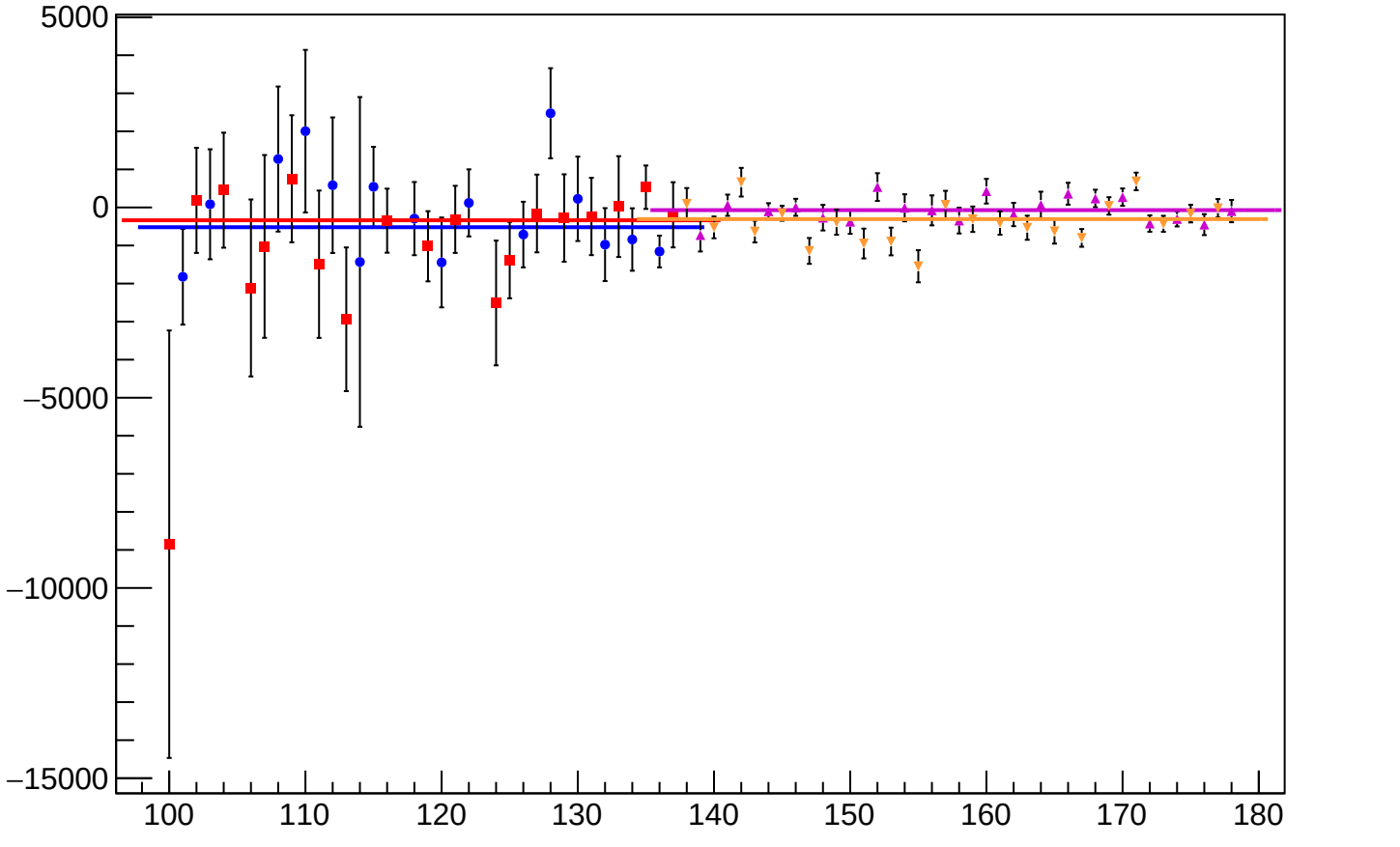
Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

Left In: 57.130+/-0.010 χ^2/NDF:337568.3/19

+ sign 59.735+/-0.009 χ^2/NDF: 2616836.4/36

All: 60.362+/-0.006 χ^2/NDF: 5491628.1/75

- sign 61.027+/-0.009 χ^2/NDF: 2864704.8/38



Right In: -519.250+/-241.317 χ^2/NDF: 15.8/15

Left Out: -306.355+/-61.854 χ^2/NDF:59.9/20

Right Out: -336.731+/-256.618 χ^2/NDF: 11.9/18

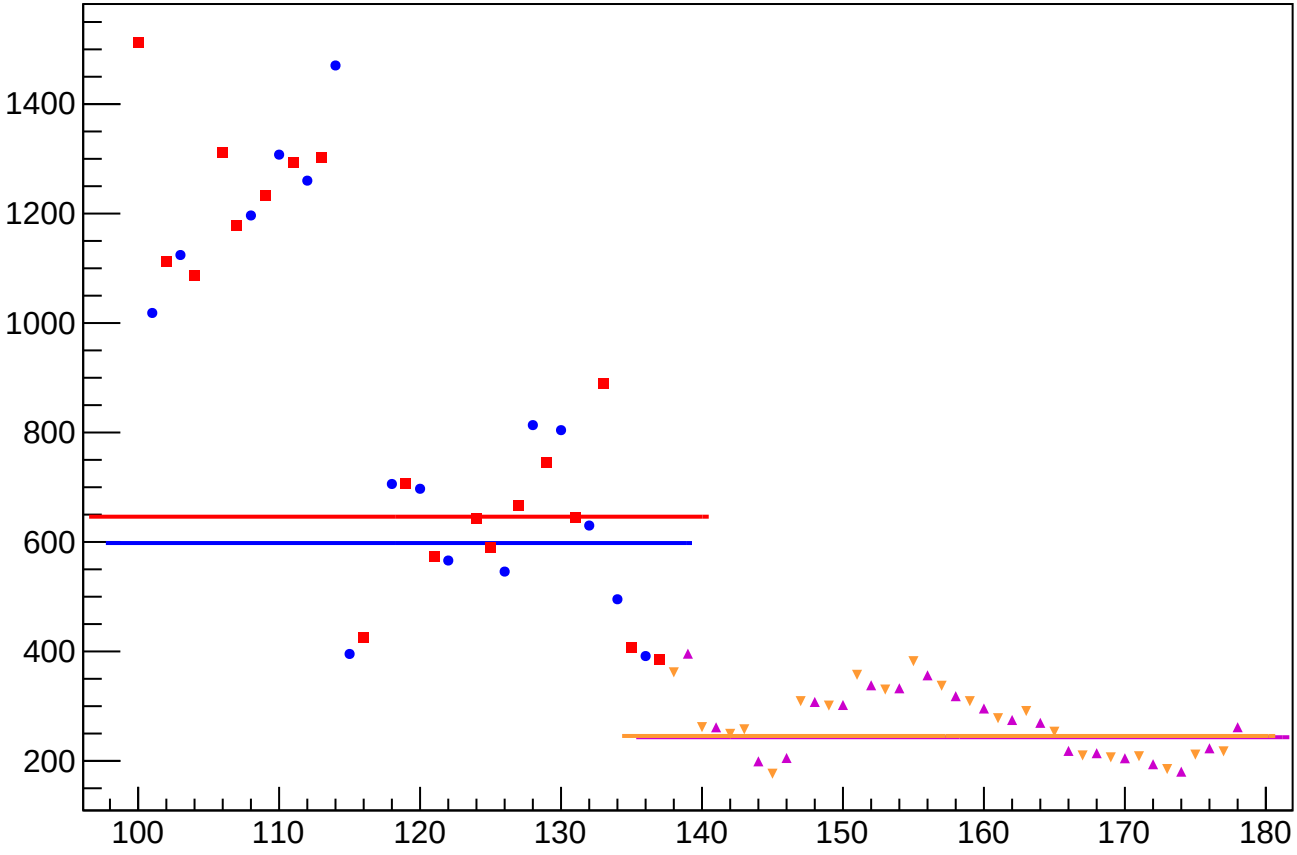
Left In: -70.299+/-61.978 χ^2/NDF:22.3/19

+ sign -319.479+/-59.917 χ^2/NDF: 76.4/36

All: -202.873+/-42.483 χ^2/NDF: 119.3/75

- sign -84.983+/-60.246 χ^2/NDF: 35.2/38

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 245.566+/-0.044 χ^2/NDF:1673650.9/20

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

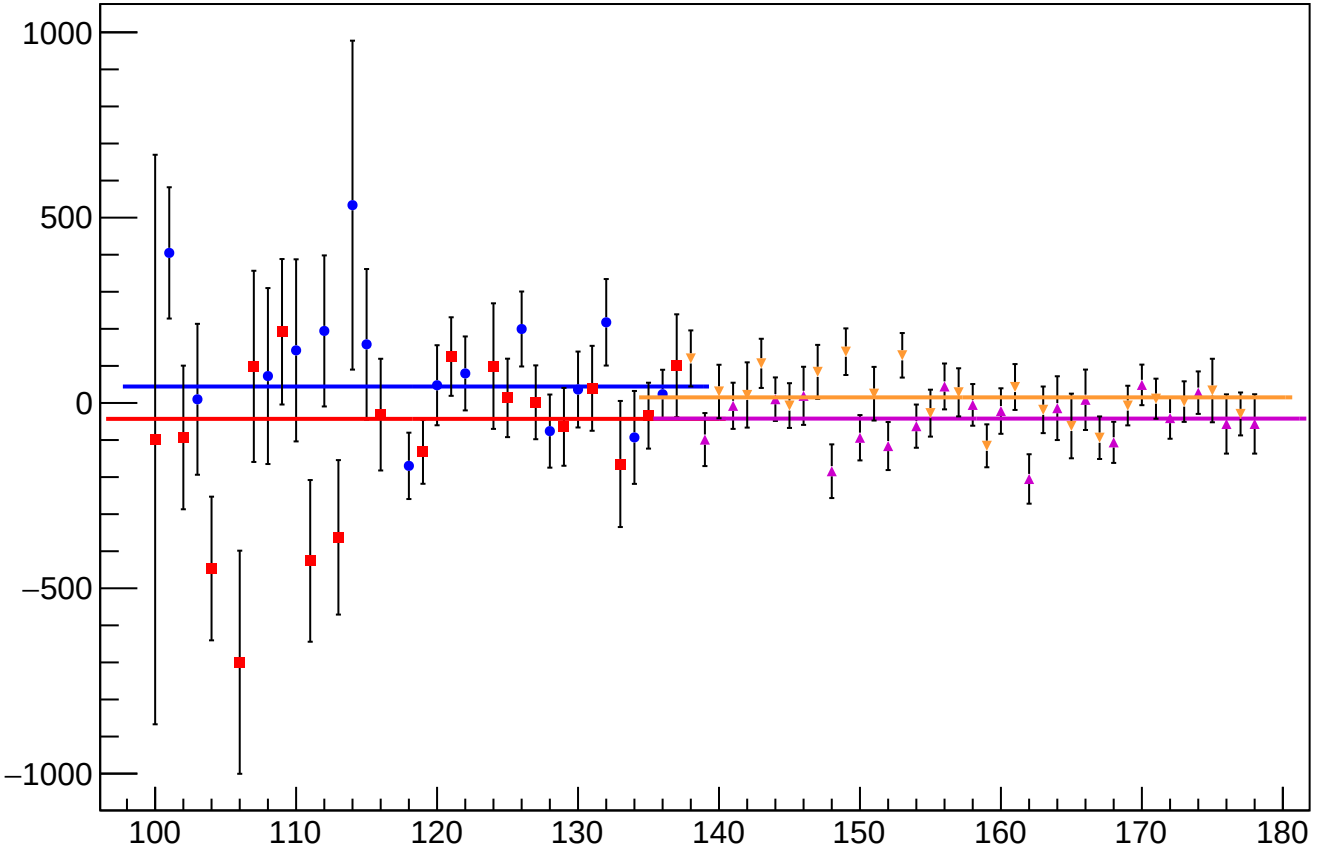
Left In: 243.258+/-0.044 χ^2/NDF:1586441.8/19

+ sign 267.296+/-0.042 χ^2/NDF: 7725384.6/36

All: 266.386+/-0.030 χ^2/NDF: 16177246.1/75

- sign 265.466+/-0.043 χ^2/NDF: 8450933.8/38

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 15.139+/-14.001 χ^2/NDF:23.7/20

Right Out: -42.900+/-31.248 χ^2/NDF: 23.3/18

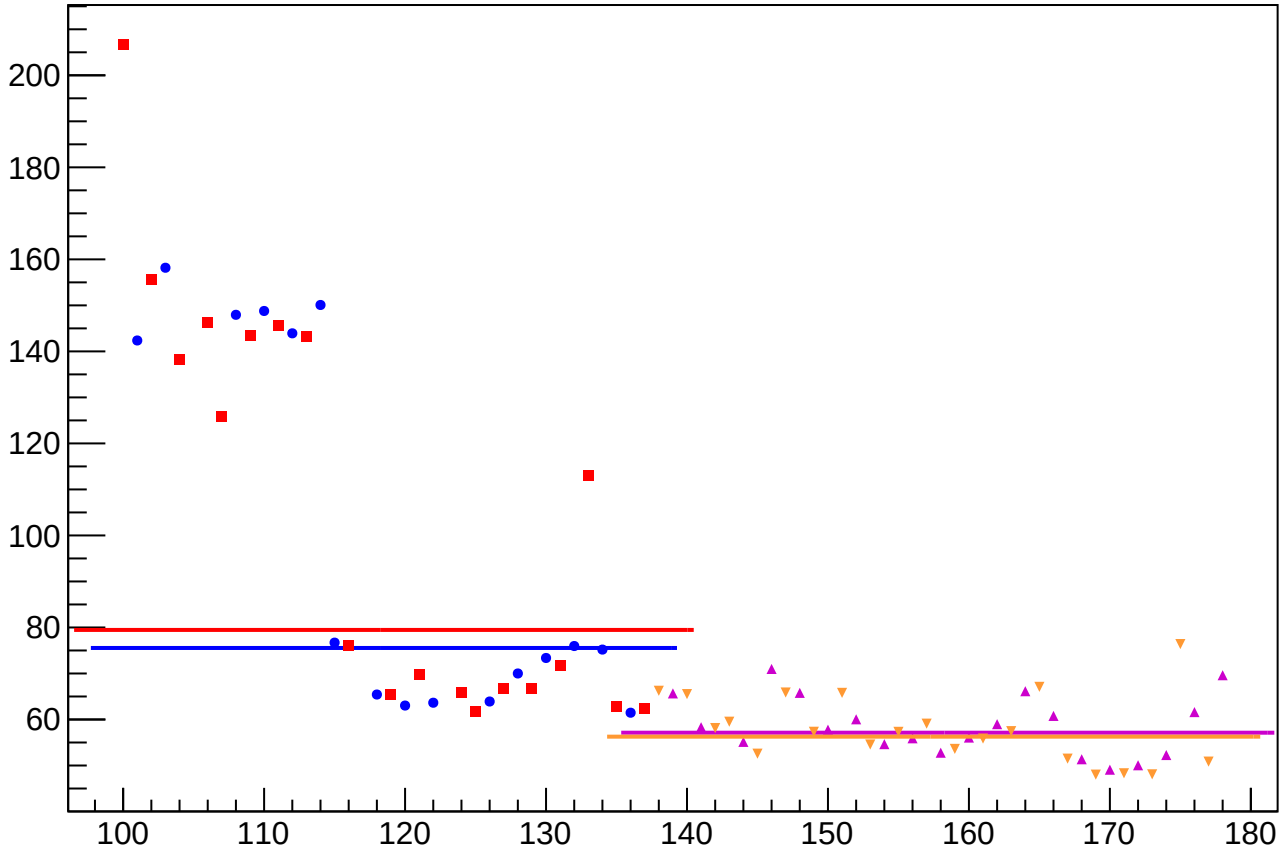
Left In: -42.177+/-14.365 χ^2/NDF:22.9/19

+ sign 20.397+/-12.681 χ^2/NDF: 44.1/36

All: -10.048+/-9.095 χ^2/NDF: 102.2/75

- sign -42.303+/-13.052 χ^2/NDF: 46.2/38

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 56.270+/-0.010 χ^2/NDF:469984.8/20

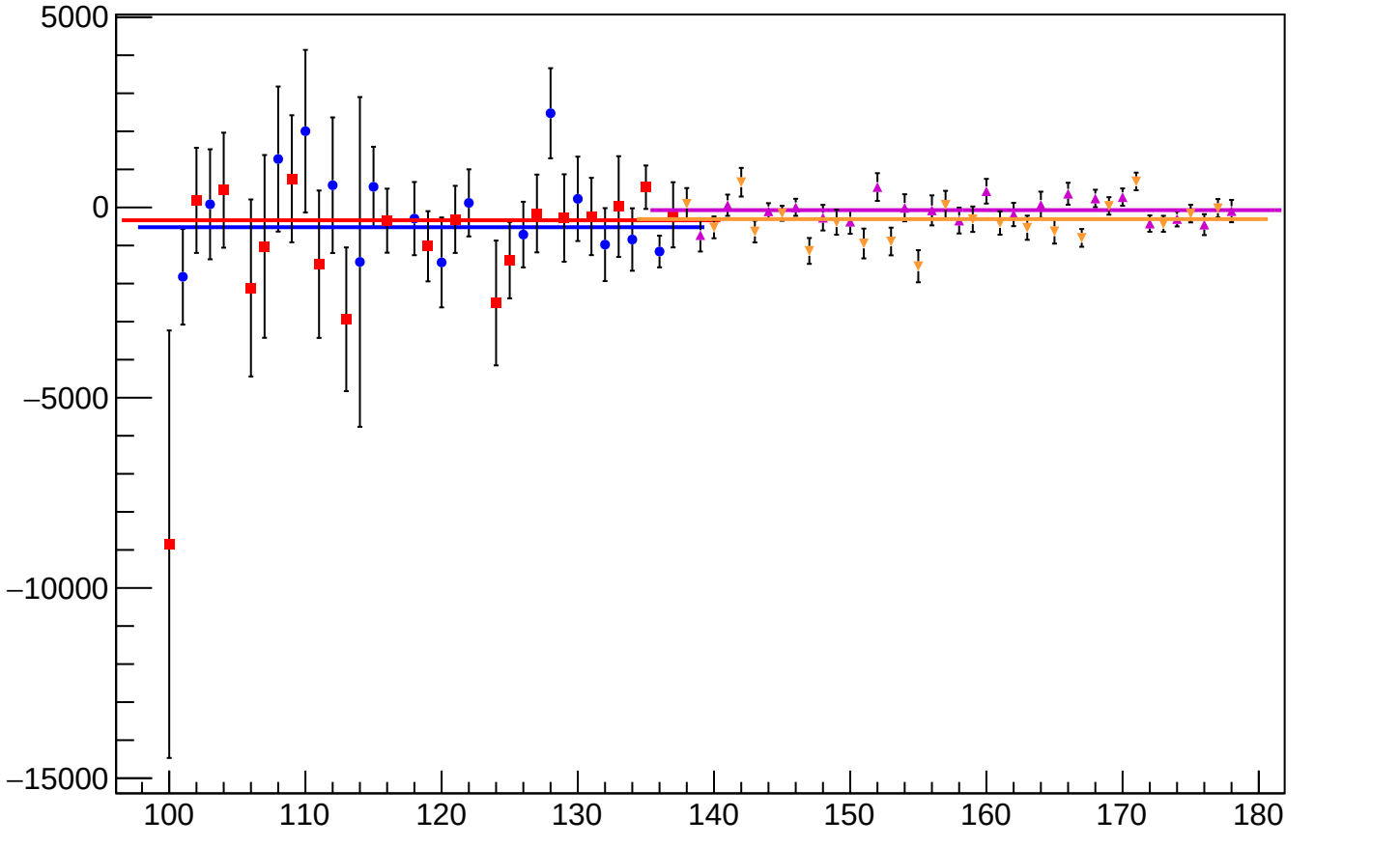
Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 57.131+/-0.010 χ^2/NDF:337566.9/19

+ sign 59.735+/-0.009 χ^2/NDF: 2616801.0/36

All: 60.362+/-0.006 χ^2/NDF: 5491555.3/75

- sign 61.027+/-0.009 χ^2/NDF: 2864666.0/38



Right In: -519.247+/-241.316 χ^2/NDF: 15.8/15

Left Out: -306.354+/-61.854 χ^2/NDF:59.9/20

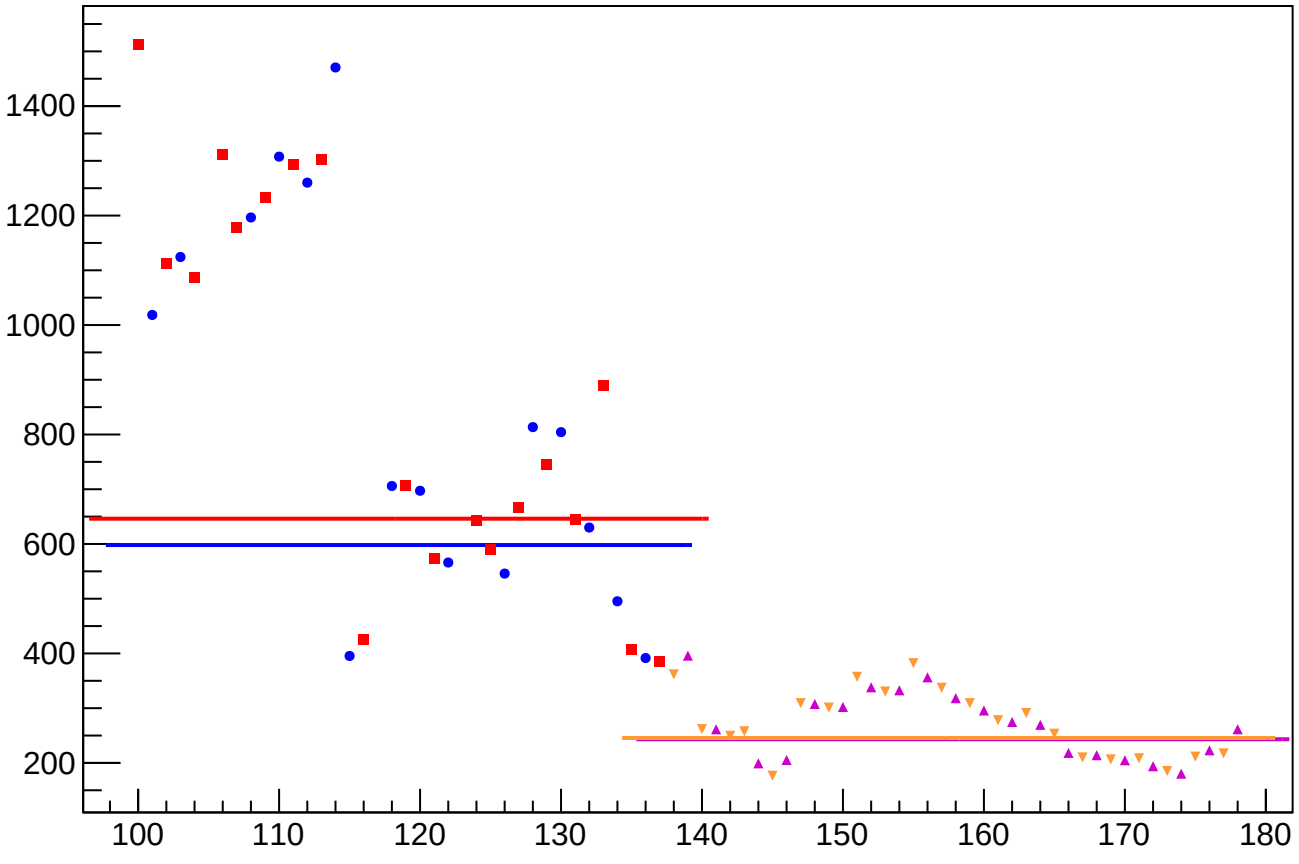
Right Out: -336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: -70.298+/-61.978 χ^2/NDF:22.3/19

+ sign -319.478+/-59.917 χ^2/NDF: 76.4/36

All: -202.872+/-42.483 χ^2/NDF: 119.3/75

- sign -84.983+/-60.246 χ^2/NDF: 35.2/38



Right In: 598.044+/-0.171 χ^2/NDF: 2047806.5/15

Left Out: 245.566+/-0.044 χ^2/NDF:1673652.1/20

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

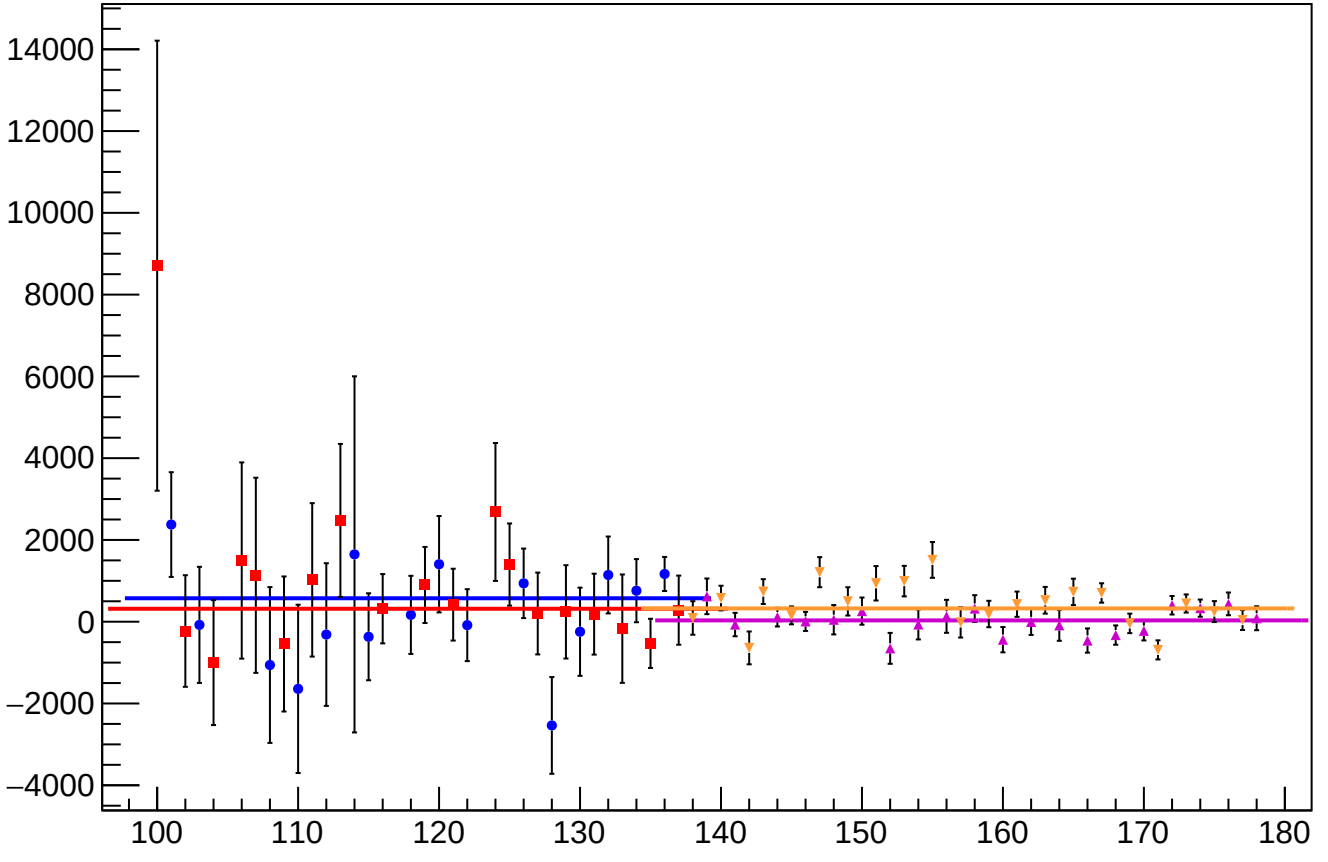
Left In: 243.258+/-0.044 χ^2/NDF:1586432.7/19

+ sign 267.296+/-0.042 χ^2/NDF: 7725377.0/36

All: 266.386+/-0.030 χ^2/NDF: 16177220.2/75

- sign 265.466+/-0.043 χ^2/NDF: 8450915.7/38

asym_sam_1526_avg_mean vs Slug



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 324.939+/-64.405 χ^2/NDF:56.5/20

Right Out: 316.830+/-258.239 χ^2/NDF: 11.0/18

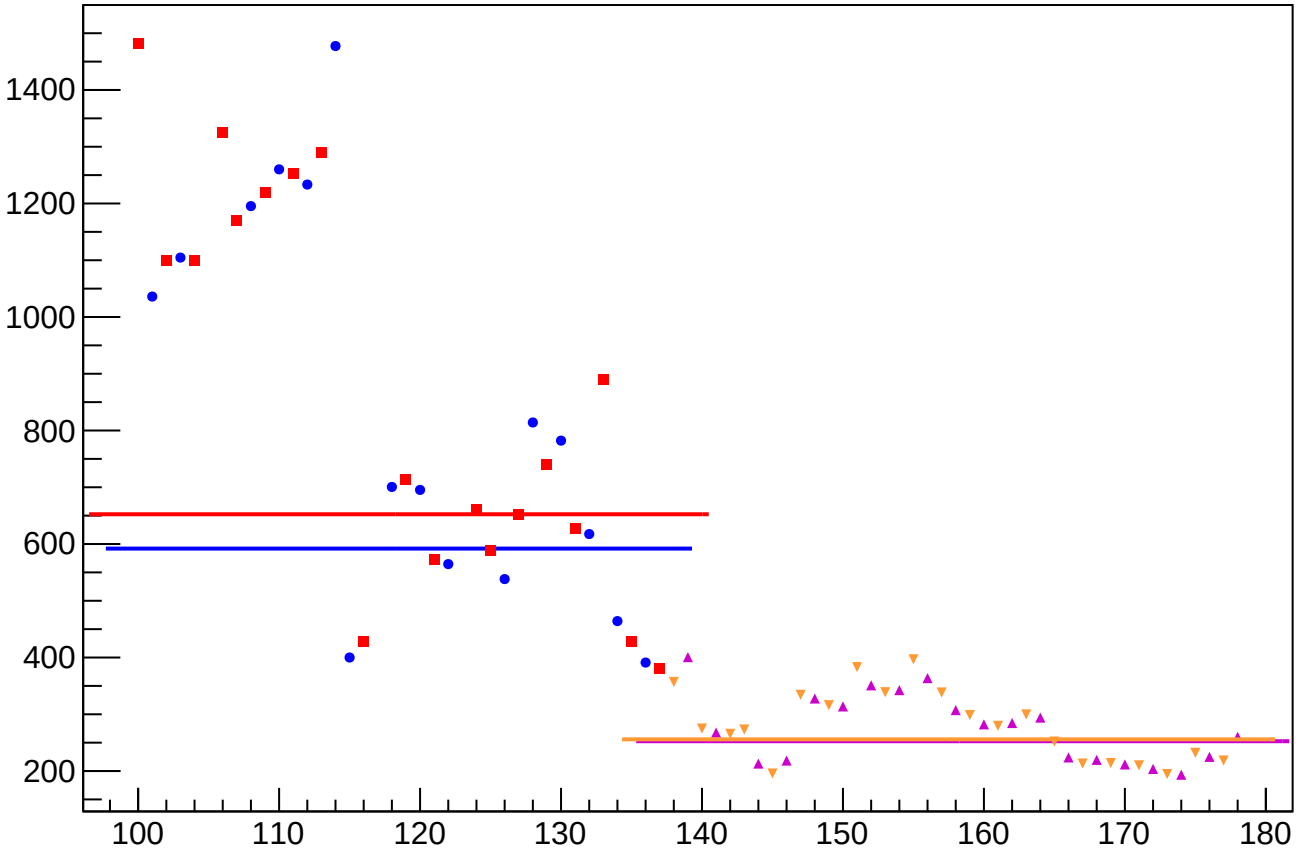
Left In: 32.084+/-64.152 χ^2/NDF:22.3/19

+ sign 341.768+/-62.185 χ^2/NDF: 74.1/36

All: 195.377+/-43.998 χ^2/NDF: 119.6/75

- sign 48.635+/-62.260 χ^2/NDF: 34.4/38

asym_sam_1526_avg_rms vs Slug



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 255.846+/-0.046 χ^2/NDF:1529629.3/20

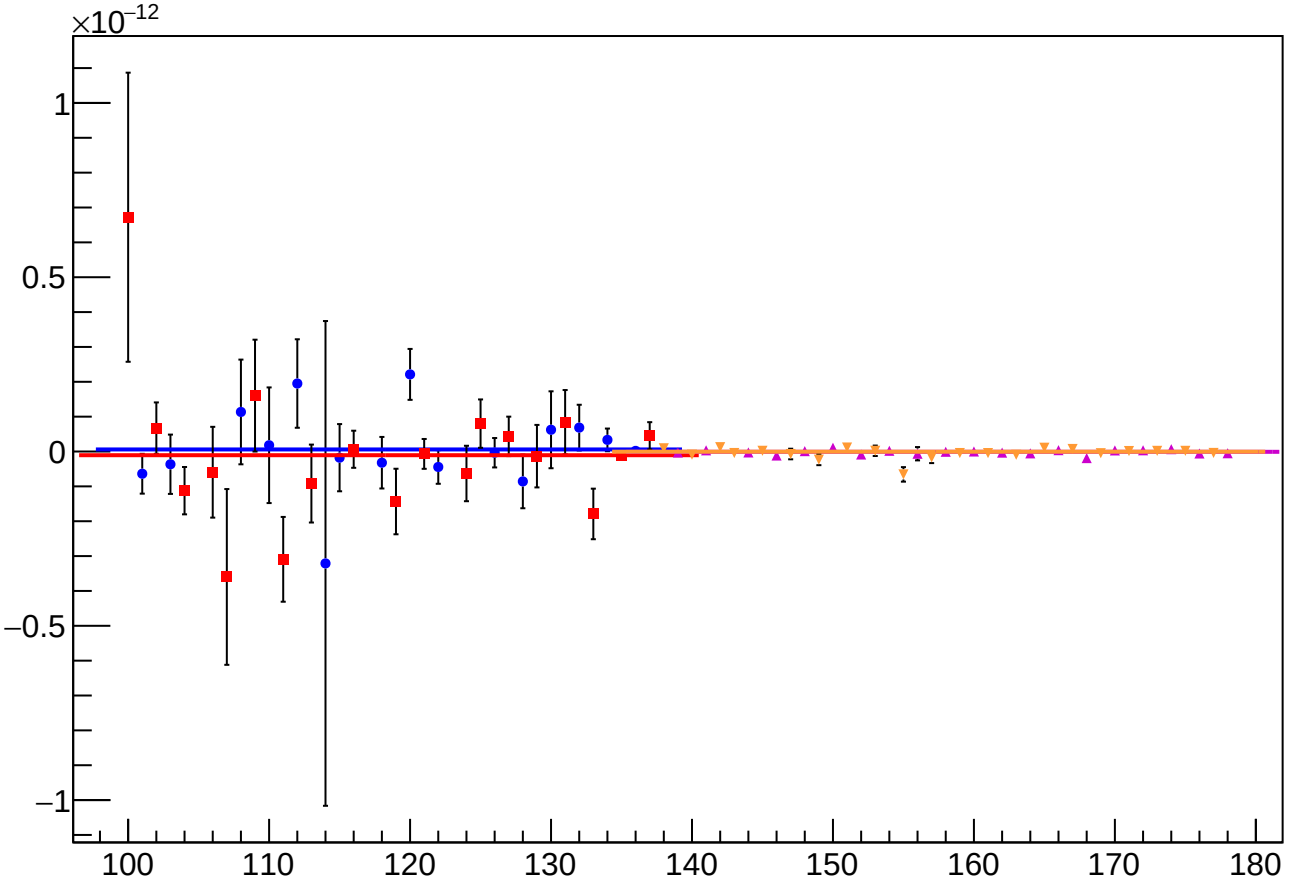
Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 252.548+/-0.045 χ^2/NDF:1410314.7/19

+ sign 278.617+/-0.044 χ^2/NDF: 7255654.8/36

All: 277.207+/-0.031 χ^2/NDF: 15275606.2/75

- sign 275.793+/-0.044 χ^2/NDF: 8017892.3/38



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/20

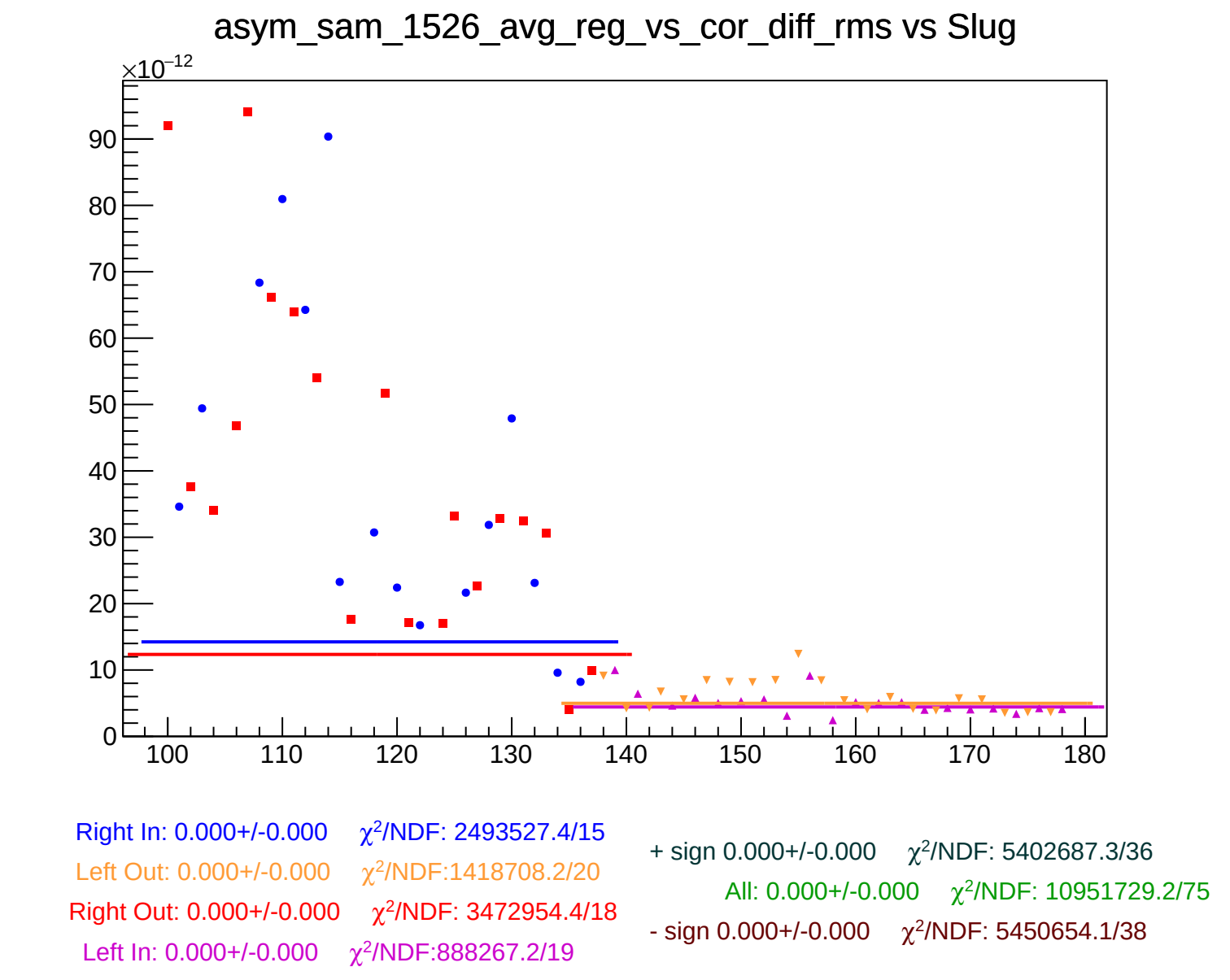
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/18

Left In: -0.000+/-0.000 χ^2/NDF:11.8/19

+ sign -0.000+/-0.000 χ^2/NDF: 40.8/36

All: -0.000+/-0.000 χ^2/NDF: 83.0/75

- sign -0.000+/-0.000 χ^2/NDF: 42.1/38


asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug
×10^−12
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100
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140
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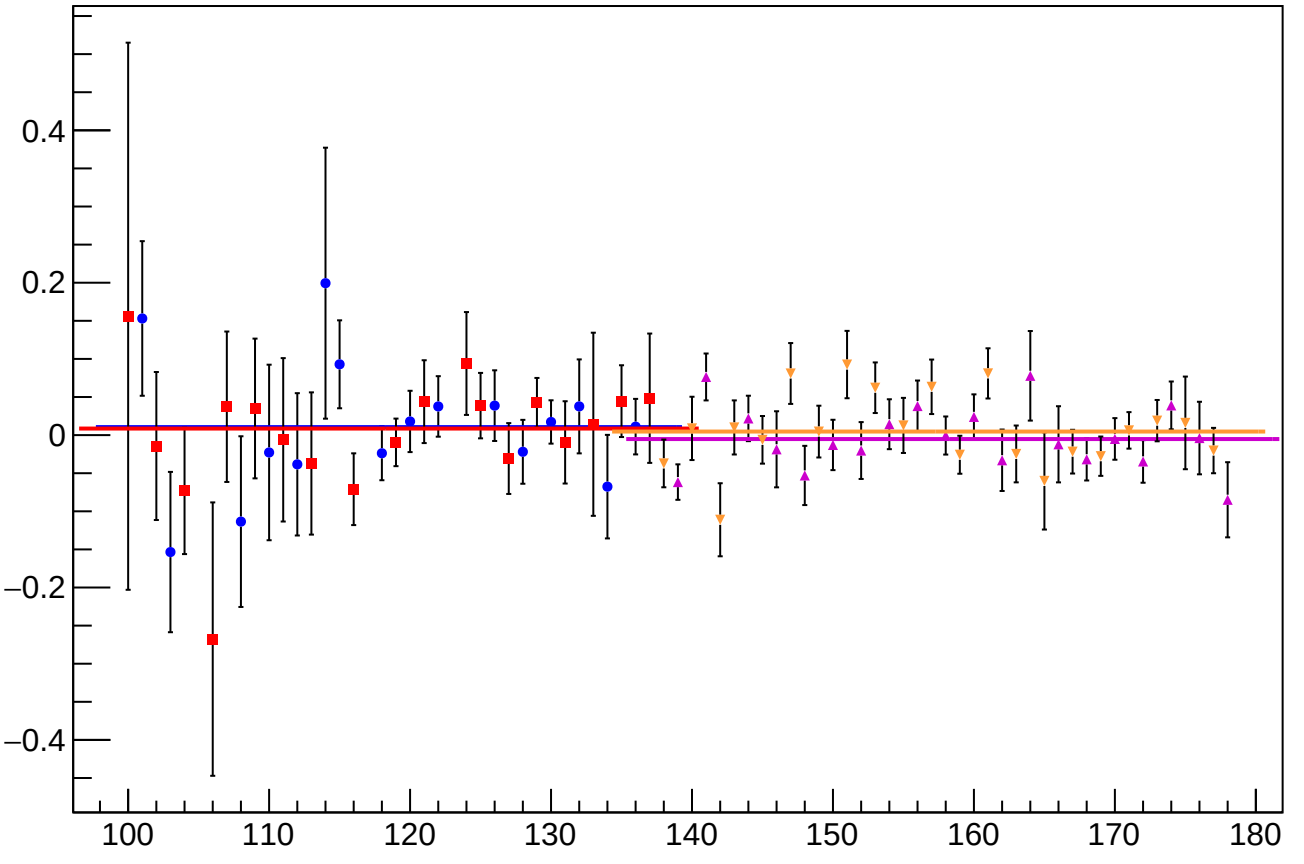
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2493527.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1418708.2/20
Right Out: 0.000+/-0.000 χ²/NDF: 3472954.4/18
Left In: 0.000+/-0.000 χ²/NDF:888267.2/19
+ sign 0.000+/-0.000 χ²/NDF: 5402687.3/36
All: 0.000+/-0.000 χ²/NDF: 10951729.2/75
- sign 0.000+/-0.000 χ²/NDF: 5450654.1/38



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.007 χ^2/NDF:33.1/20

Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

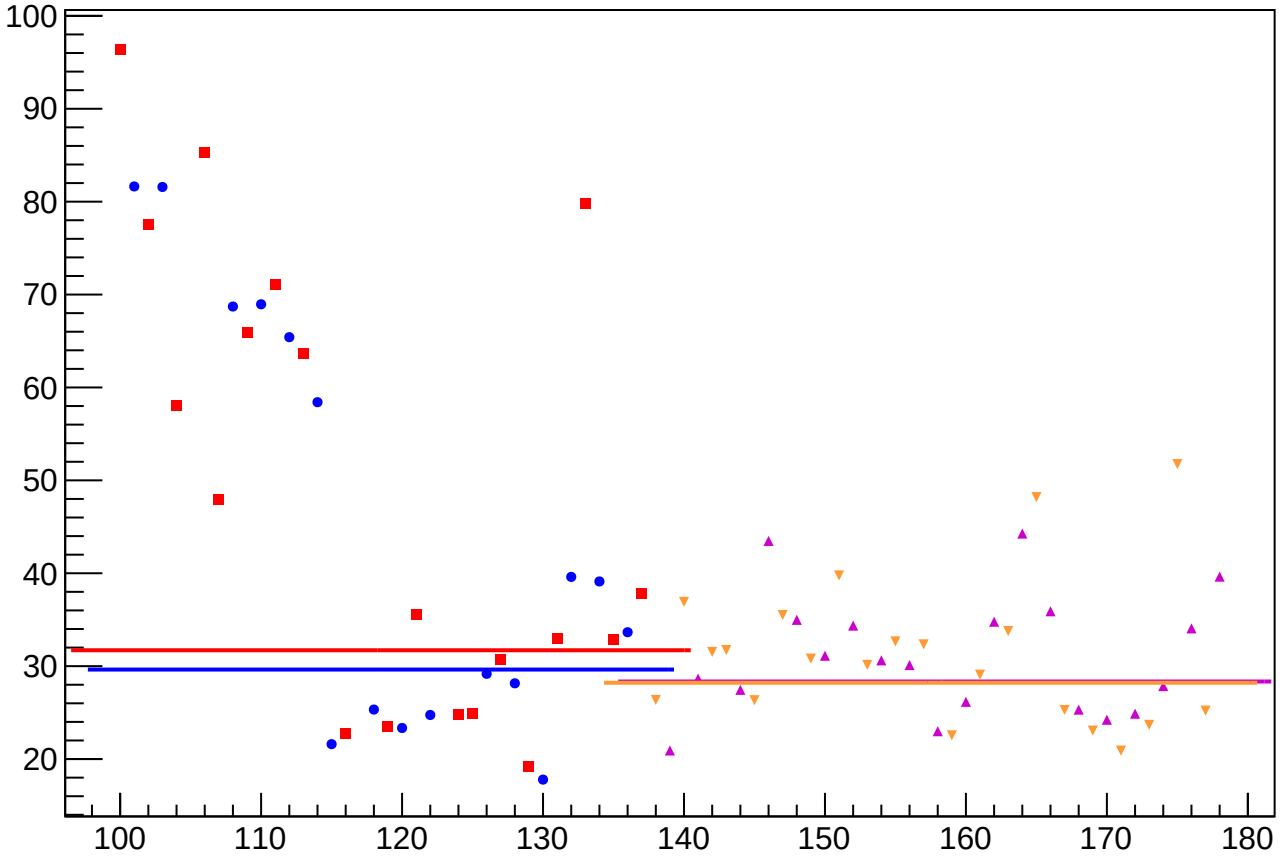
Left In: -0.005+/-0.007 χ^2/NDF:27.6/19

+ sign 0.006+/-0.006 χ^2/NDF: 46.4/36

All: 0.002+/-0.004 χ^2/NDF: 88.1/75

- sign -0.002+/-0.006 χ^2/NDF: 40.9/38

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: 28.211+/-0.005 χ^2/NDF:1418060.8/20

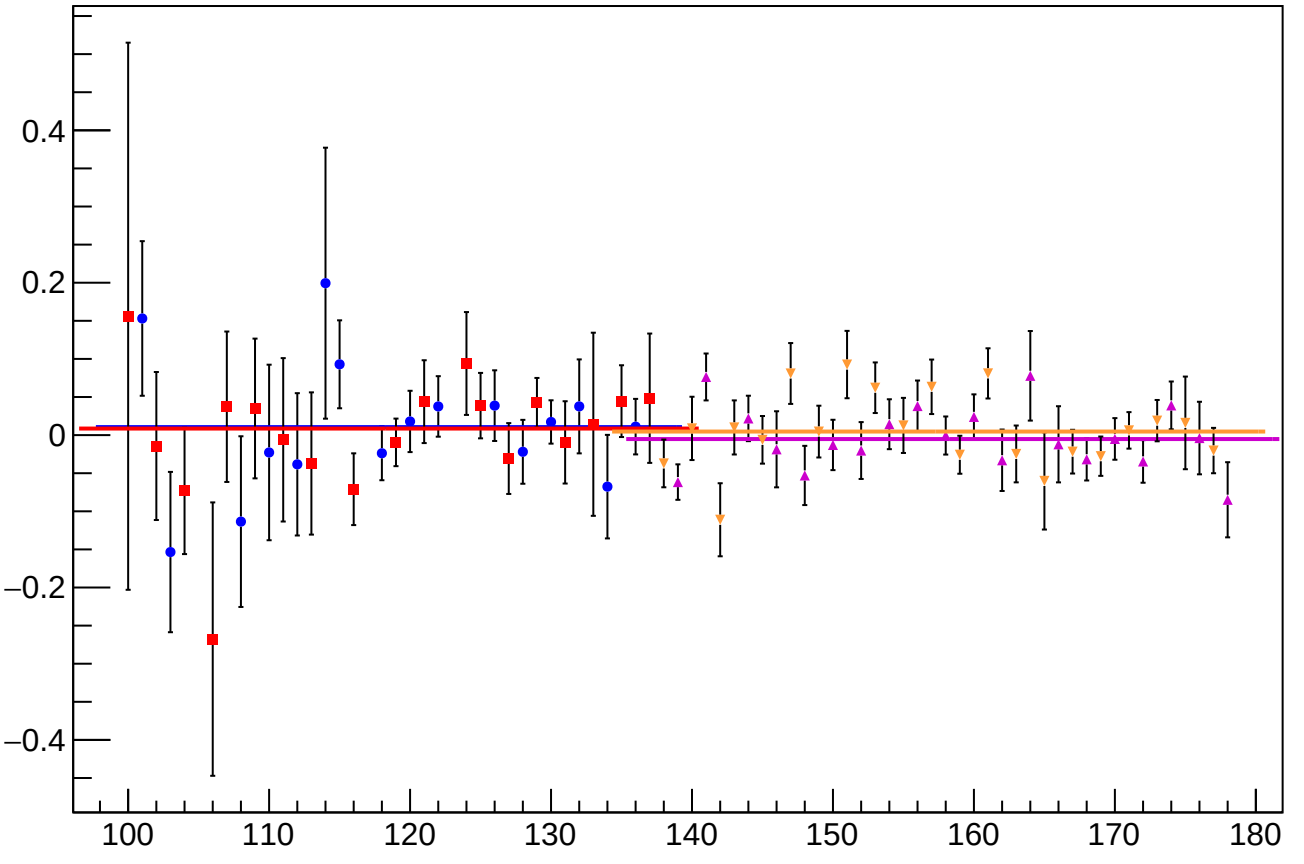
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.348+/-0.005 χ^2/NDF:1109227.2/19

+ sign 28.567+/-0.004 χ^2/NDF: 3885799.8/36

All: 28.849+/-0.003 χ^2/NDF: 7753269.9/75

- sign 29.145+/-0.005 χ^2/NDF: 3859221.7/38



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.007 χ^2/NDF:33.1/20

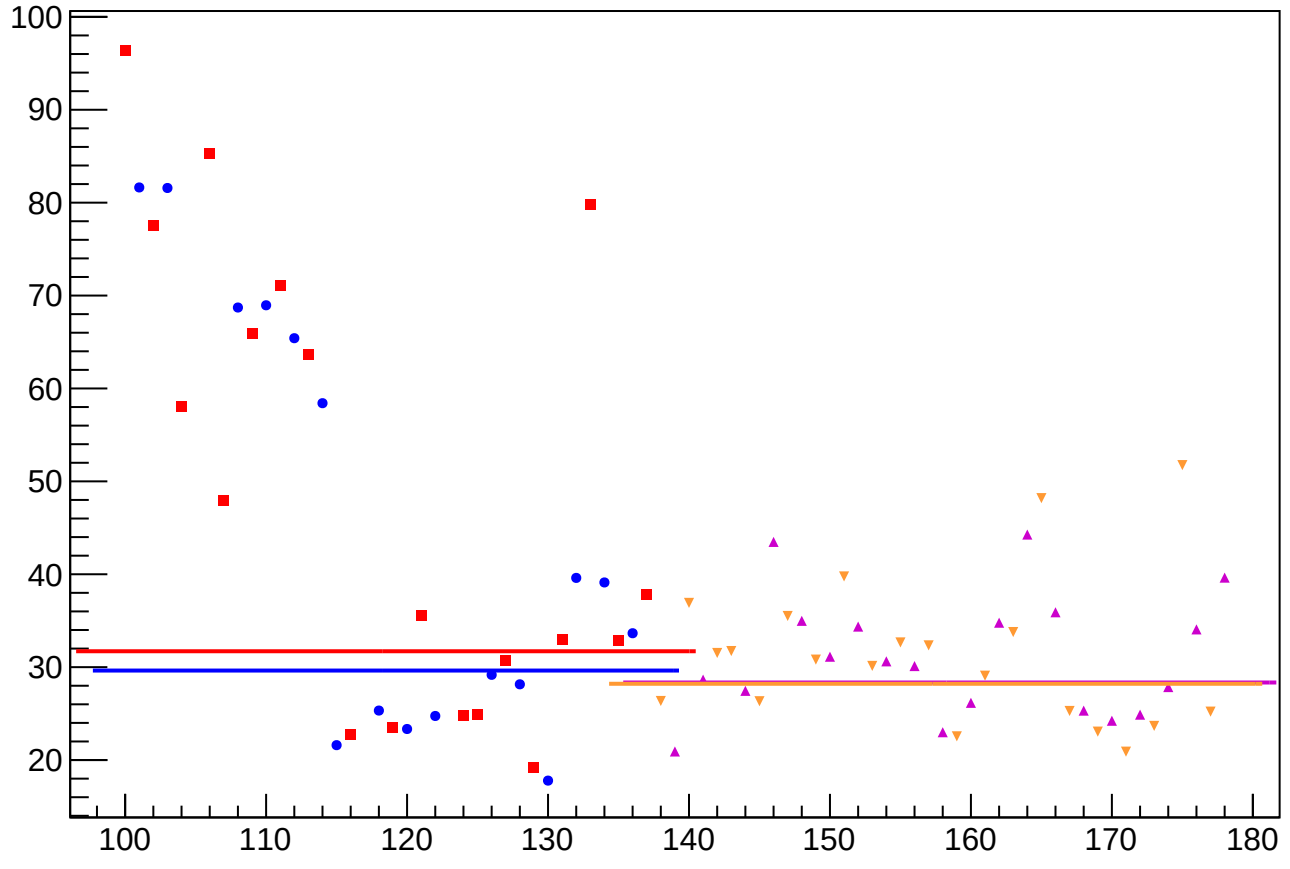
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.005+/-0.007 χ^2/NDF:27.6/19

+ sign 0.006+/-0.006 χ^2/NDF: 46.4/36

All: 0.002+/-0.004 χ^2/NDF: 88.1/75

- sign -0.002+/-0.006 χ^2/NDF: 40.9/38



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 28.211+/-0.005 χ^2/NDF:1418060.8/20

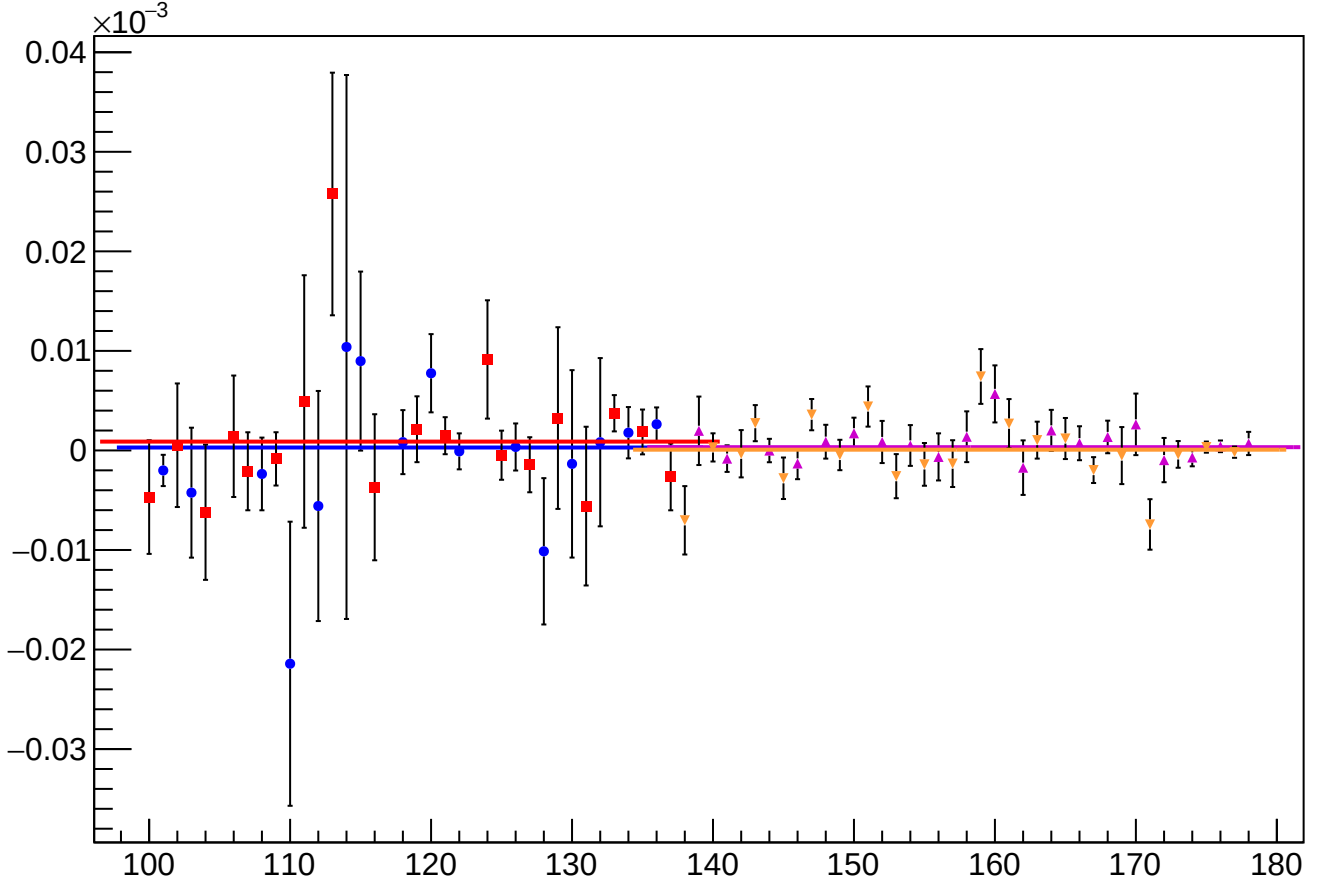
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.348+/-0.005 χ^2/NDF:1109227.2/19

\+ sign 28.567+/-0.004 χ^2/NDF: 3885799.8/36

All: 28.849+/-0.003 χ^2/NDF: 7753269.9/75

\- sign 29.145+/-0.005 χ^2/NDF: 3859221.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:41.1/20

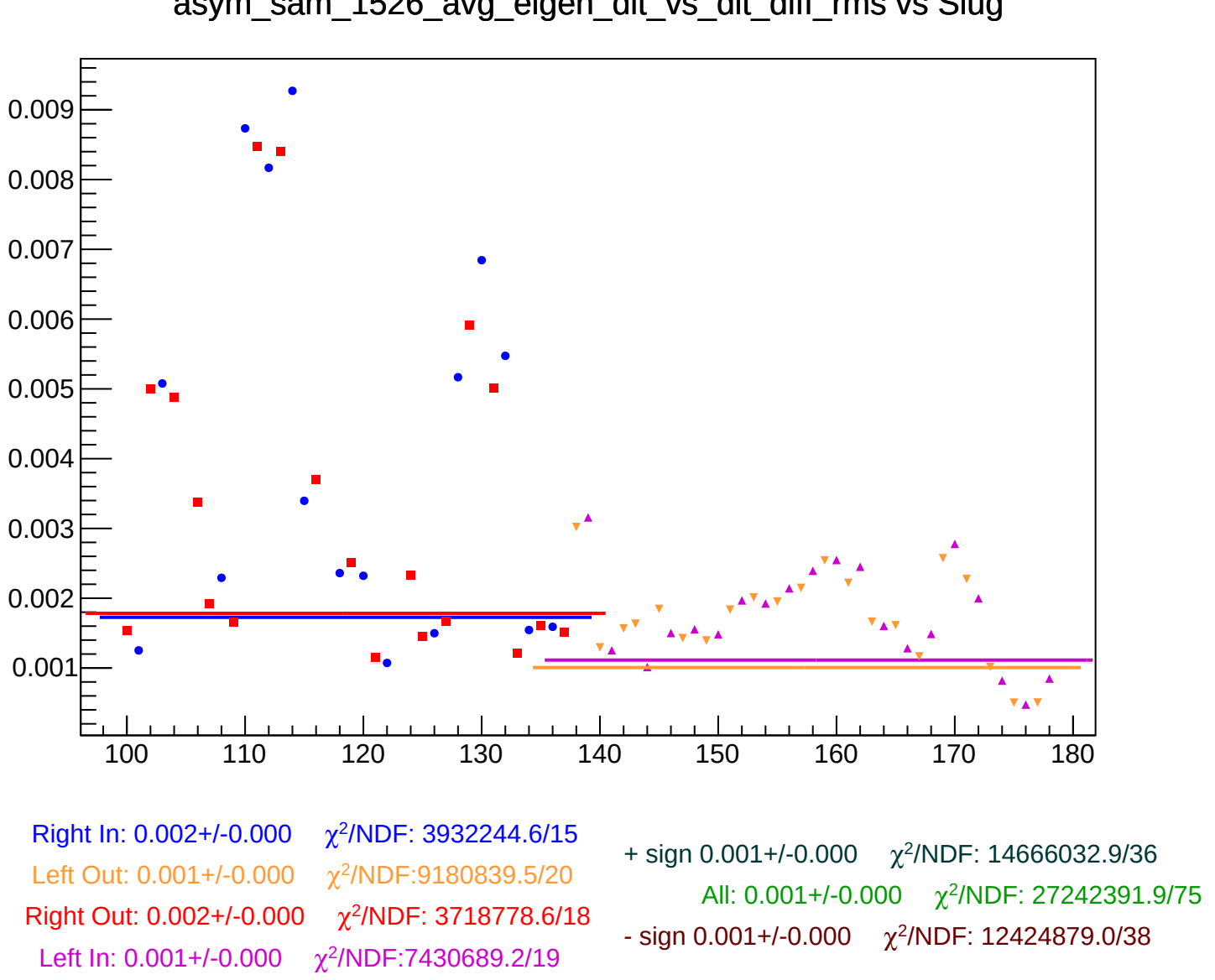
Right Out: 0.000+/-0.000 χ^2/NDF: 15.4/18

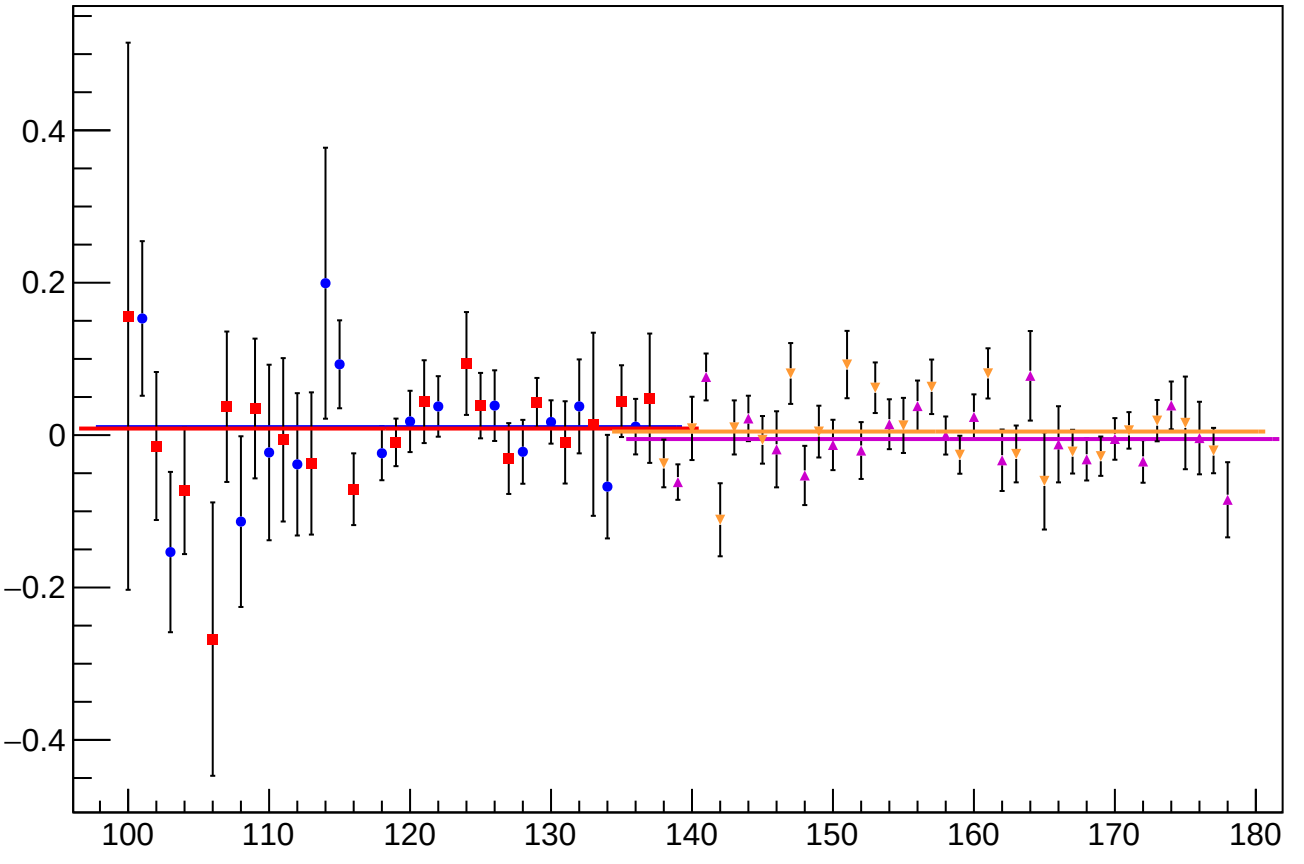
Left In: 0.000+/-0.000 χ^2/NDF:10.9/19

+ sign 0.000+/-0.000 χ^2/NDF: 55.9/36

All: 0.000+/-0.000 χ^2/NDF: 83.2/75

- sign 0.000+/-0.000 χ^2/NDF: 26.8/38


asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
180
Right In: 0.002+/-0.000 χ²/NDF: 3932244.6/15
Left Out: 0.001+/-0.000 χ²/NDF:9180839.5/20
Right Out: 0.002+/-0.000 χ²/NDF: 3718778.6/18
Left In: 0.001+/-0.000 χ²/NDF:7430689.2/19
+ sign 0.001+/-0.000 χ²/NDF: 14666032.9/36
All: 0.001+/-0.000 χ²/NDF: 27242391.9/75
- sign 0.001+/-0.000 χ²/NDF: 12424879.0/38



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.007 χ^2/NDF:33.1/20

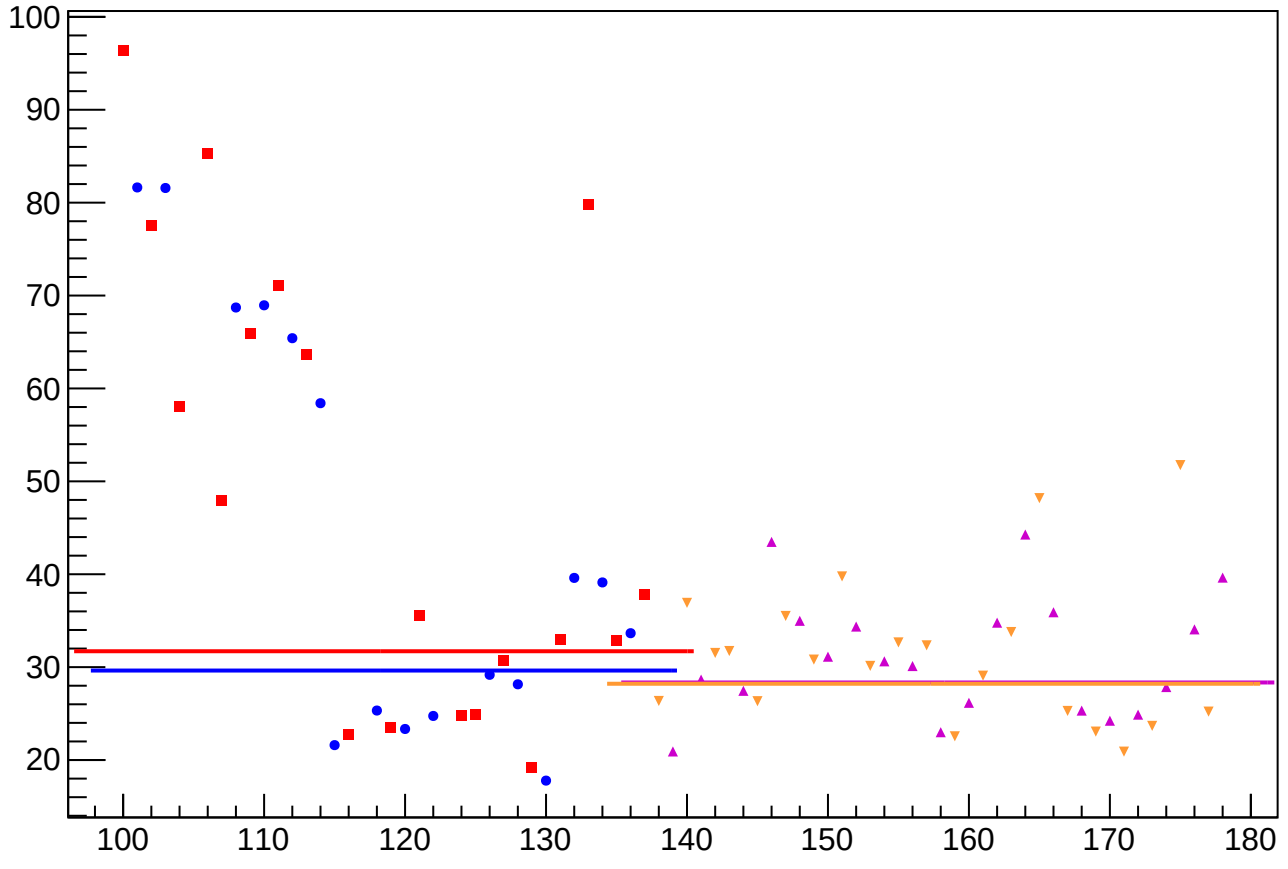
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.005+/-0.007 χ^2/NDF:27.6/19

+ sign 0.006+/-0.006 χ^2/NDF: 46.4/36

All: 0.002+/-0.004 χ^2/NDF: 88.1/75

- sign -0.002+/-0.006 χ^2/NDF: 40.9/38



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 28.211+/-0.005 χ^2/NDF:1418099.6/20

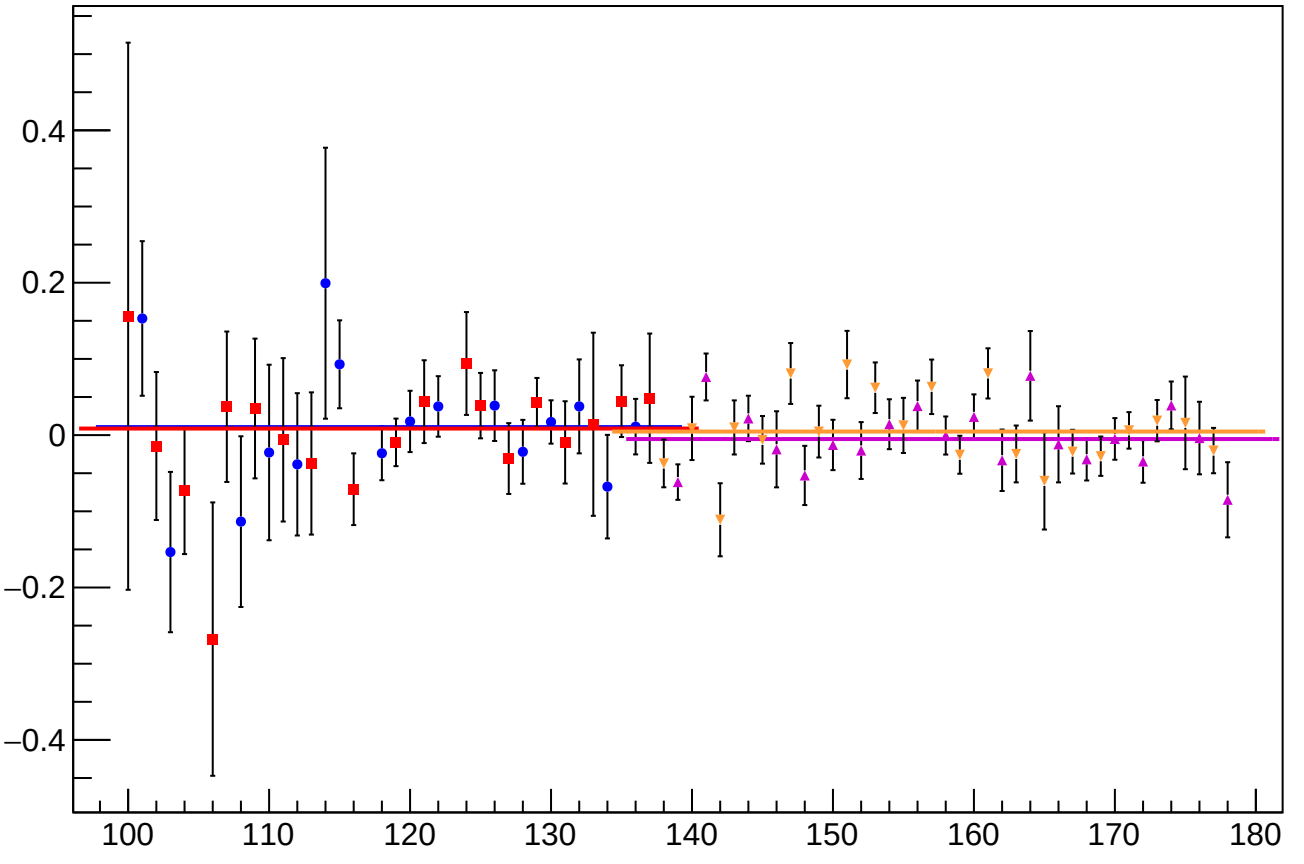
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.348+/-0.005 χ^2/NDF:1109220.6/19

+ sign 28.567+/-0.004 χ^2/NDF: 3886003.9/36

All: 28.848+/-0.003 χ^2/NDF: 7753549.1/75

- sign 29.145+/-0.005 χ^2/NDF: 3859290.7/38



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.007 χ^2/NDF:33.1/20

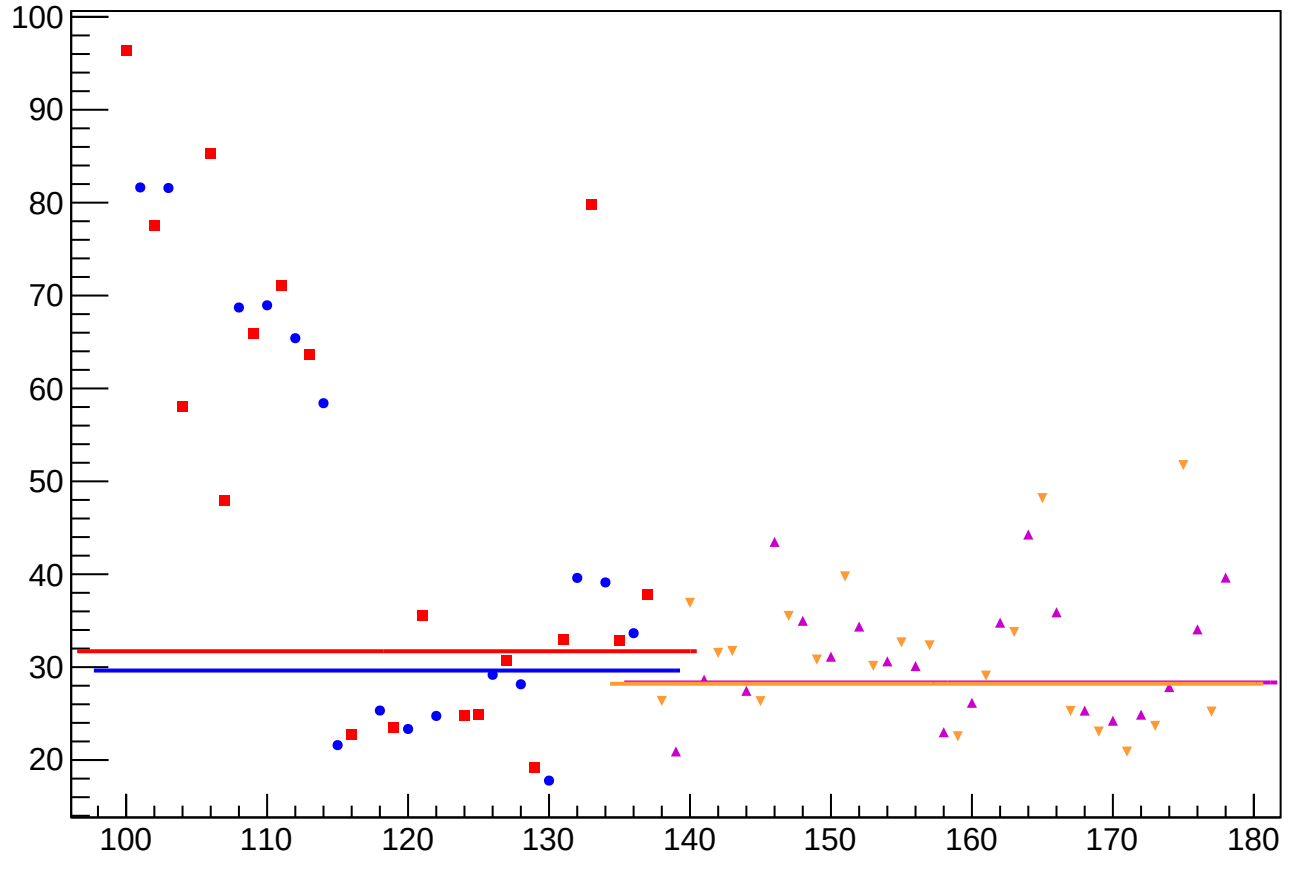
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.005+/-0.007 χ^2/NDF:27.6/19

+ sign 0.006+/-0.006 χ^2/NDF: 46.4/36

All: 0.002+/-0.004 χ^2/NDF: 88.1/75

- sign -0.002+/-0.006 χ^2/NDF: 40.9/38



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 28.211+/-0.005 χ^2/NDF:1418099.6/20

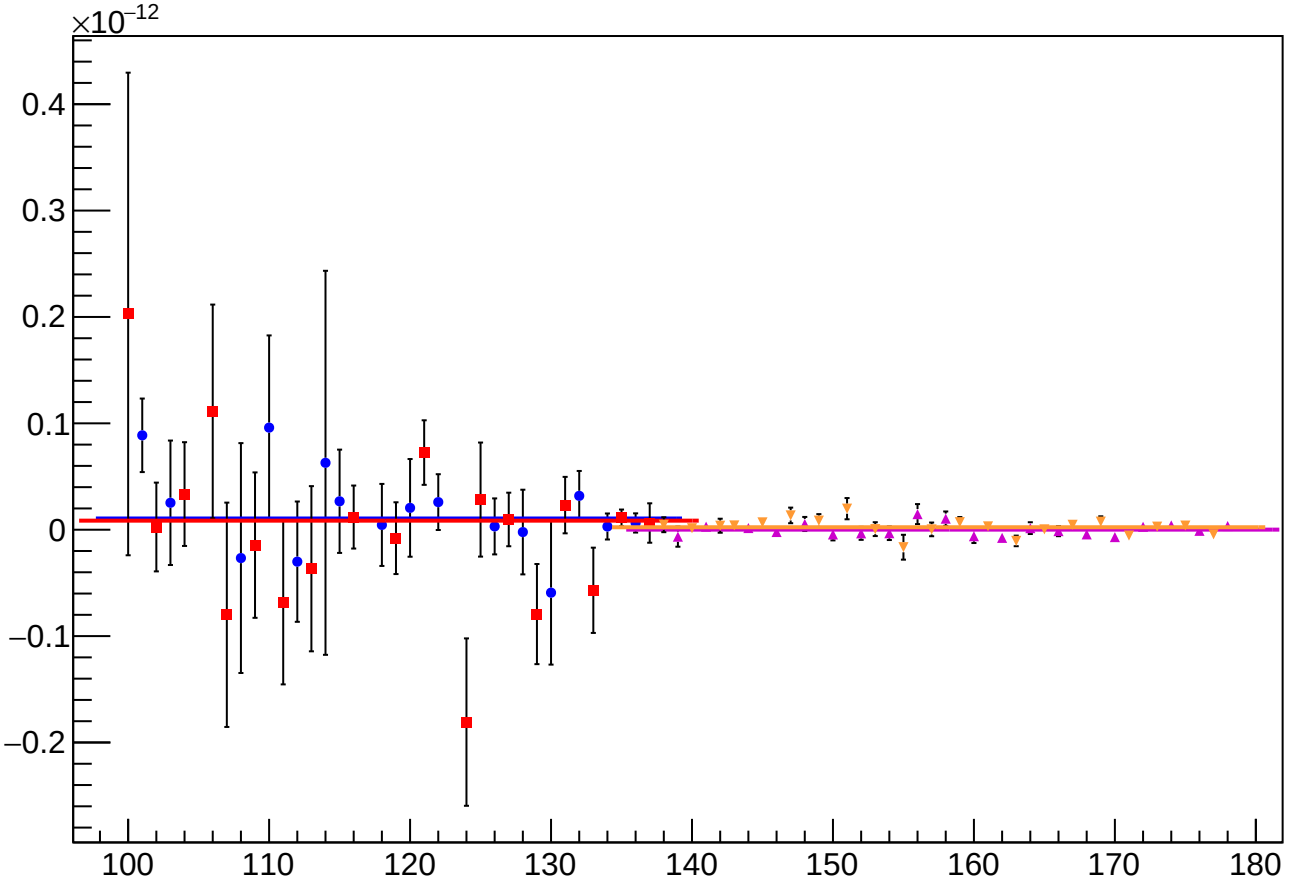
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.348+/-0.005 χ^2/NDF:1109220.6/19

+ sign 28.567+/-0.004 χ^2/NDF: 3886003.9/36

All: 28.848+/-0.003 χ^2/NDF: 7753549.1/75

- sign 29.145+/-0.005 χ^2/NDF: 3859290.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 10.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.4/20

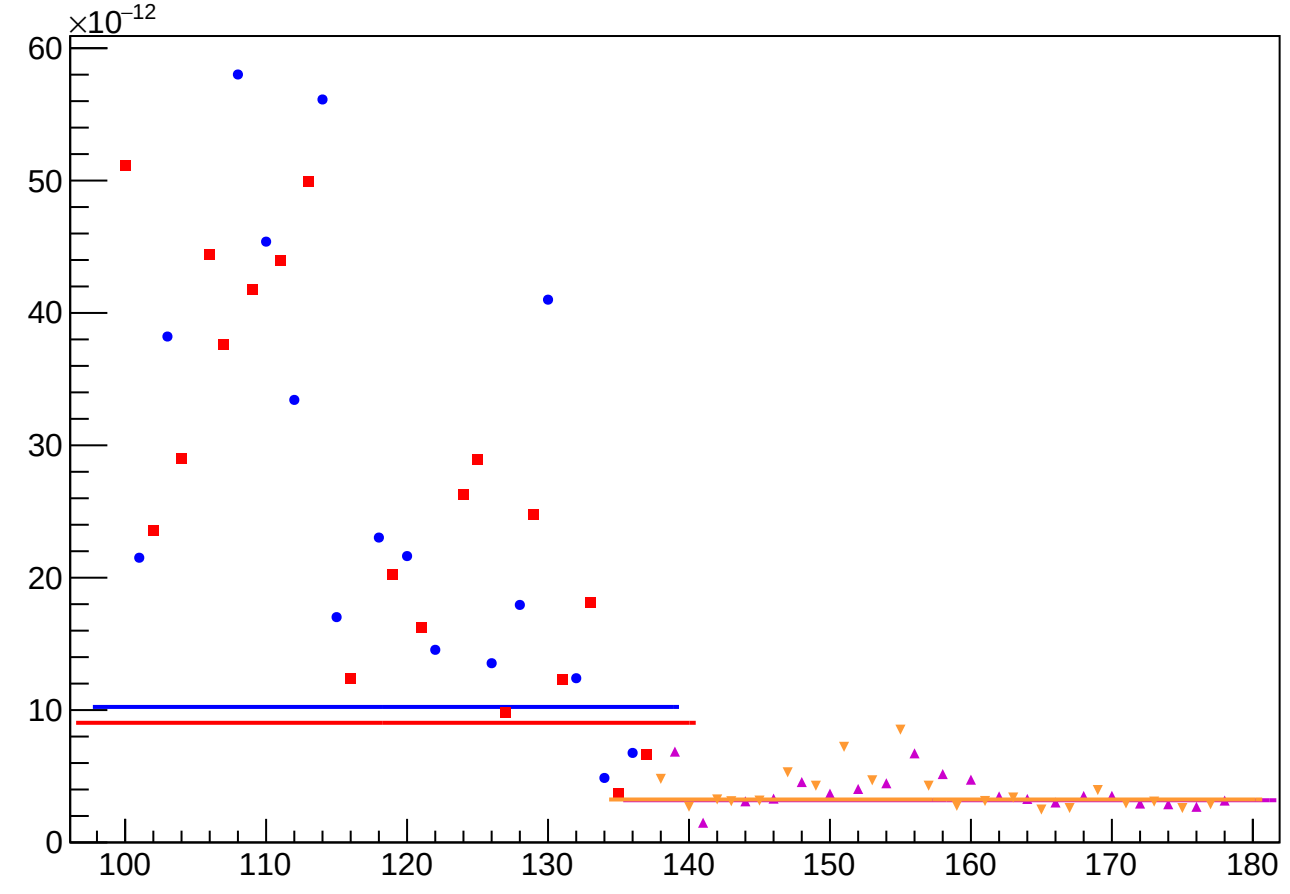
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:18.0/19

+ sign 0.000+/-0.000 χ^2/NDF: 38.3/36

All: 0.000+/-0.000 χ^2/NDF: 82.0/75

- sign 0.000+/-0.000 χ^2/NDF: 41.4/38



Right In: 0.000+/-0.000 χ^2/NDF: 3511693.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1524722.1/20

Right Out: 0.000+/-0.000 χ^2/NDF: 4514368.5/18

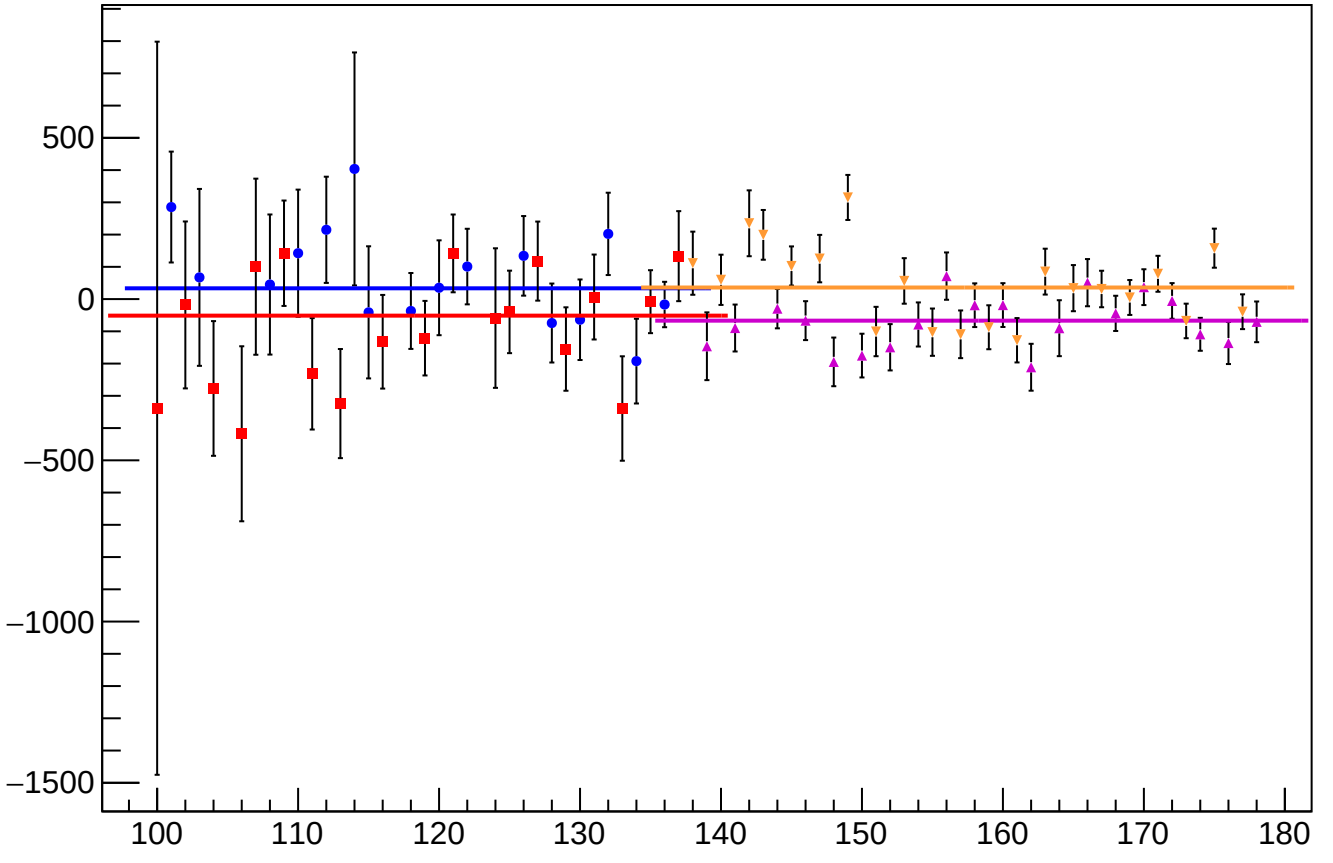
Left In: 0.000+/-0.000 χ^2/NDF:1975635.6/19

+ sign 0.000+/-0.000 χ^2/NDF: 7673361.0/36

All: 0.000+/-0.000 χ^2/NDF: 16061114.4/75

- sign 0.000+/-0.000 χ^2/NDF: 8380681.8/38

reg_asym_sam_3726_avg_mean vs Slug



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 35.904+/-14.596 χ^2/NDF:58.4/20

Right Out: -51.335+/-34.851 χ^2/NDF: 19.6/18

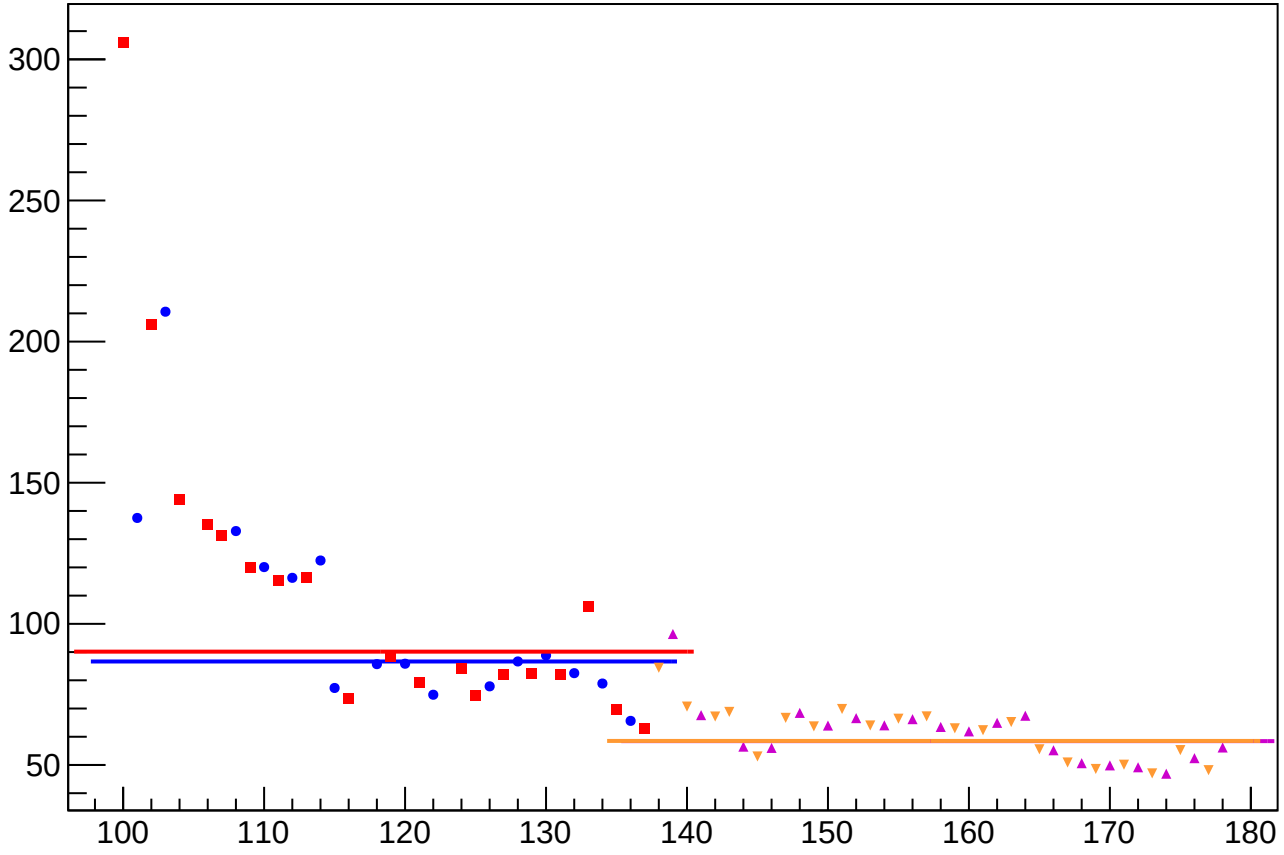
Left In: -66.906+/-14.728 χ^2/NDF:25.7/19

+ sign 35.517+/-13.405 χ^2/NDF: 71.2/36

All: -13.916+/-9.535 χ^2/NDF: 144.2/75

- sign -64.546+/-13.566 χ^2/NDF: 45.4/38

reg_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 58.516+/-0.010 χ^2/NDF:754537.9/20

Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

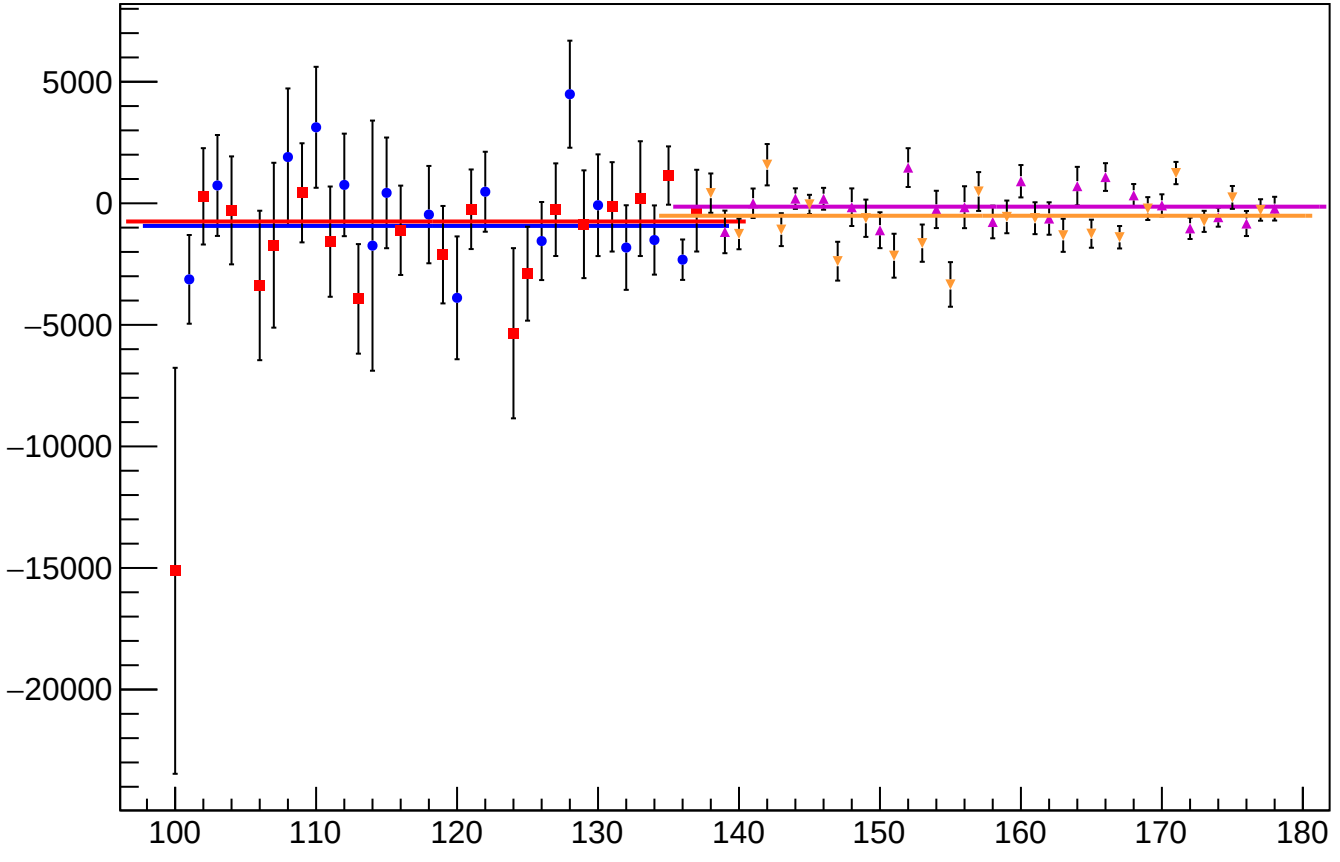
Left In: 58.447+/-0.010 χ^2/NDF:732855.9/19

+ sign 62.923+/-0.009 χ^2/NDF: 2957873.9/36

All: 63.085+/-0.007 χ^2/NDF: 6245740.2/75

- sign 63.252+/-0.010 χ^2/NDF: 3287270.9/38

asym_sam_3726_avg_reg_correction_mean vs Slug



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -511.683+/-127.403 χ^2/NDF:57.9/20

Right Out: -747.199+/-467.902 χ^2/NDF: 13.0/18

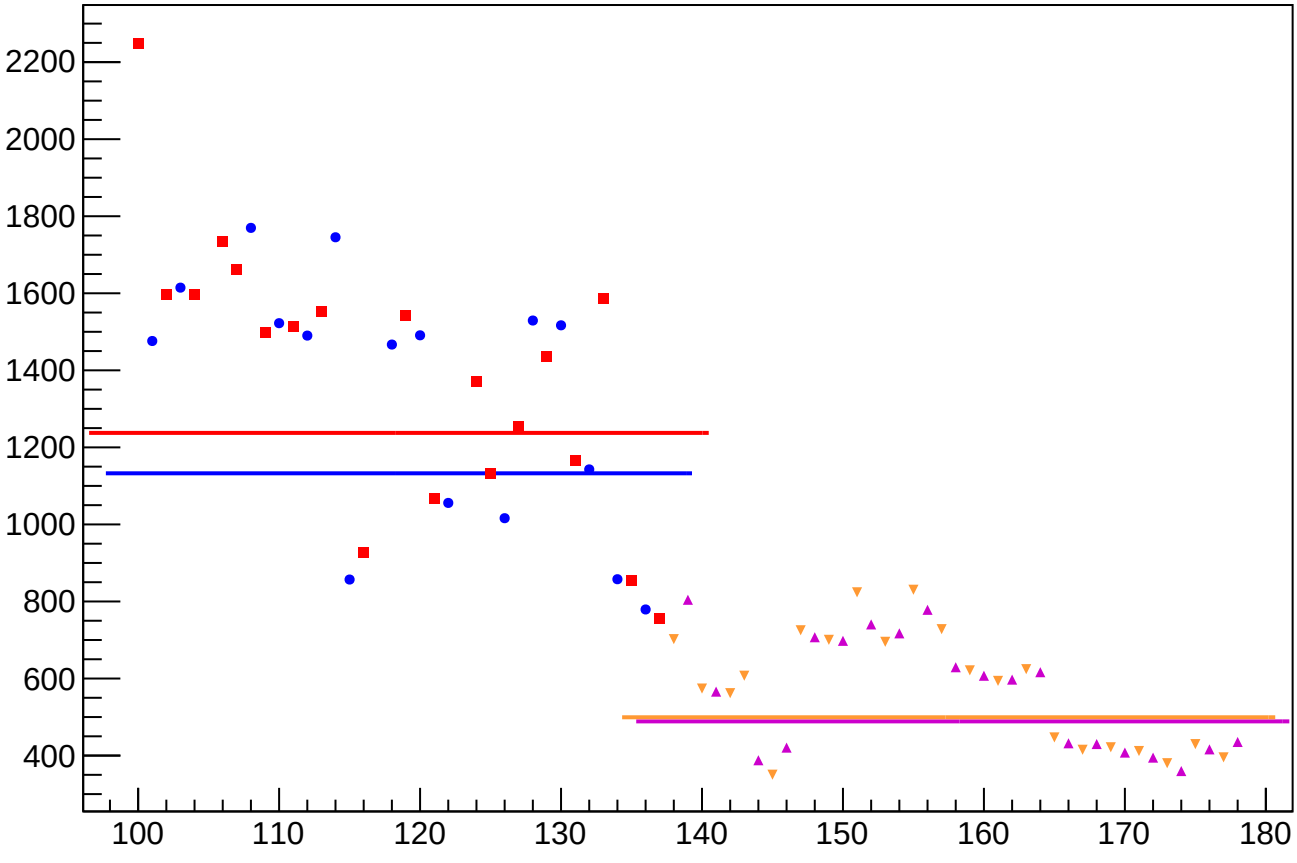
Left In: -138.287+/-125.711 χ^2/NDF:26.2/19

+ sign -543.907+/-122.395 χ^2/NDF: 77.3/36

All: -360.115+/-86.194 χ^2/NDF: 122.5/75

- sign -179.281+/-121.406 χ^2/NDF: 40.8/38

asym_sam_3726_avg_reg_correction_rms vs Slug



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 499.387+/-0.090 χ^2/NDF:2302166.1/20

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

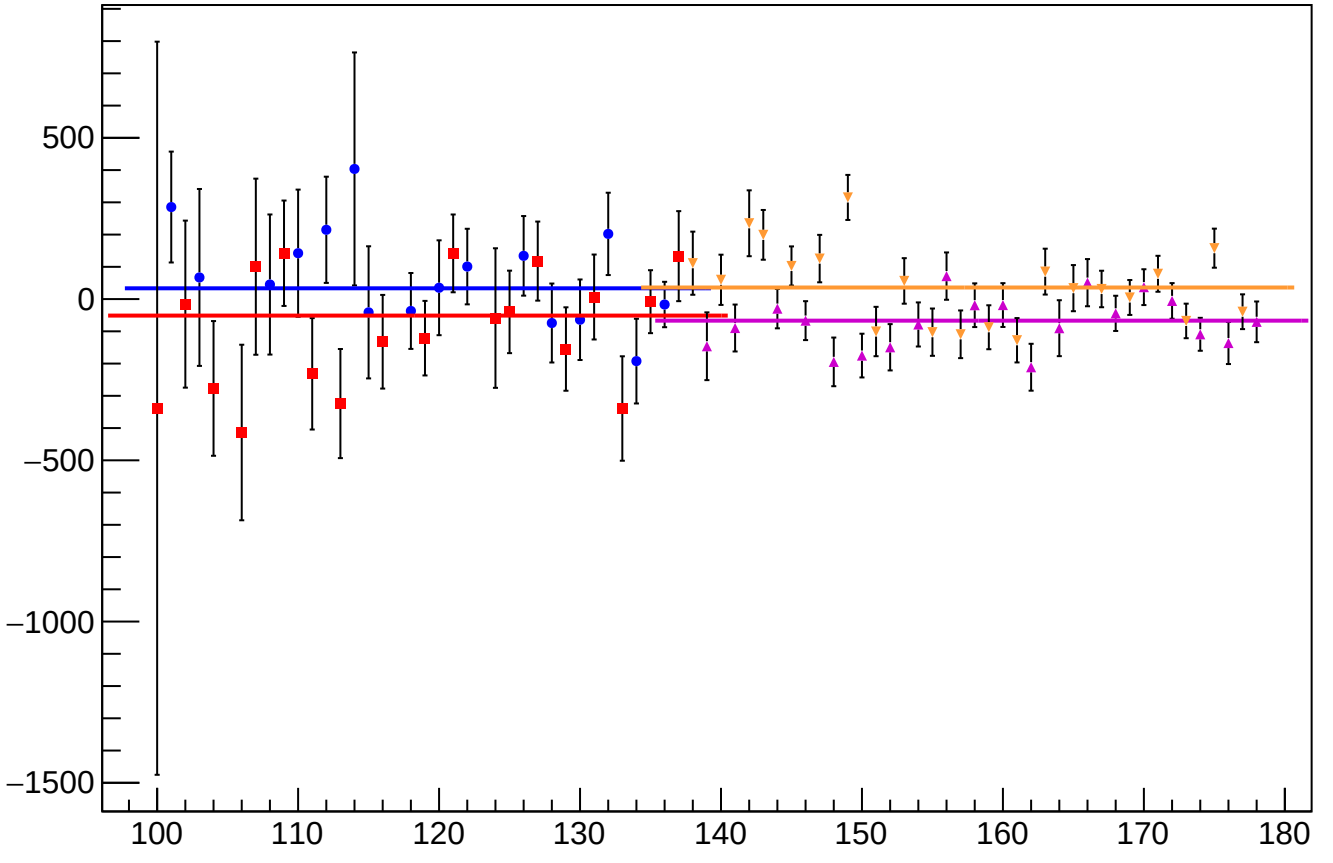
Left In: 488.770+/-0.089 χ^2/NDF:2118097.0/19

+ sign 548.193+/-0.087 χ^2/NDF: 7234822.5/36

All: 543.652+/-0.061 χ^2/NDF: 15031258.3/75

- sign 539.184+/-0.086 χ^2/NDF: 7790973.6/38

cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 35.905+/-14.596 χ^2/NDF:58.4/20

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

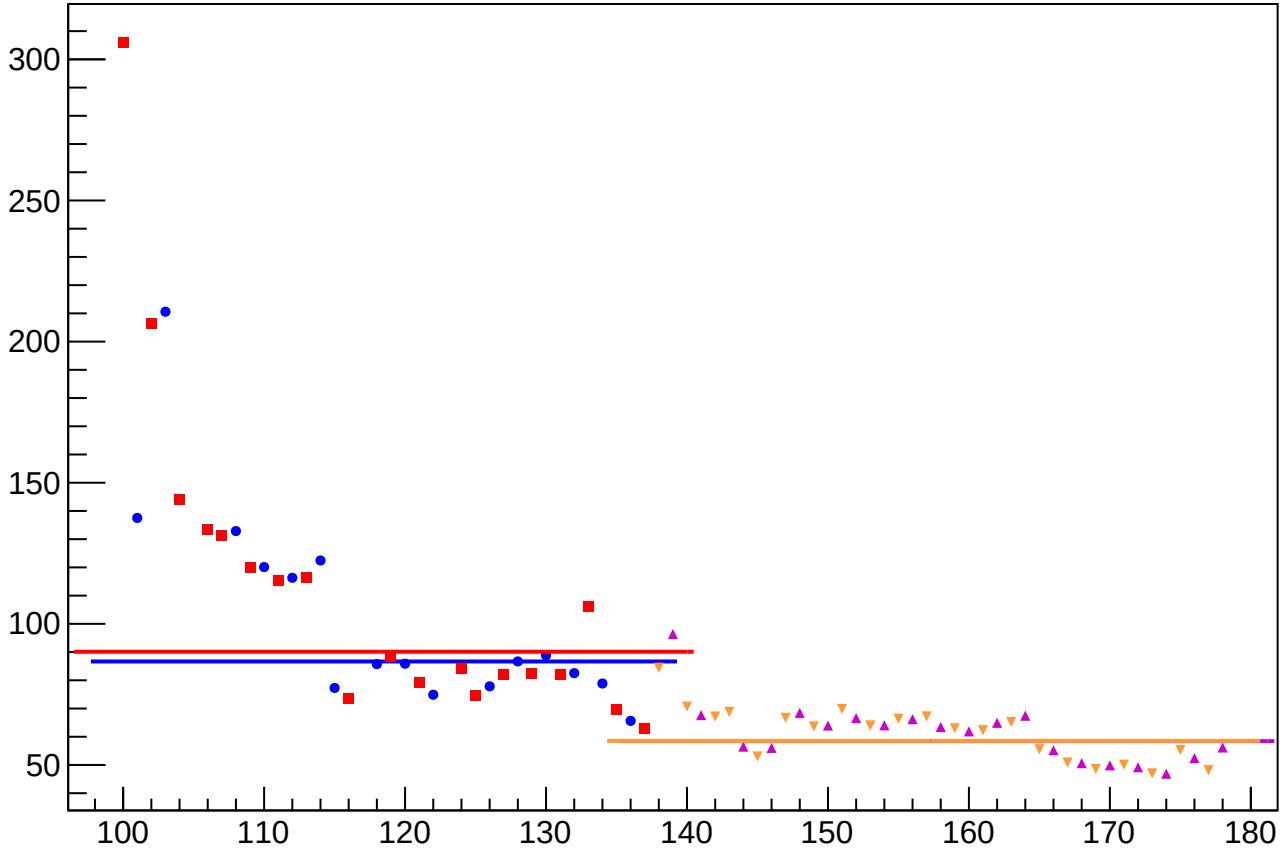
Left In: -66.904+/-14.728 χ^2/NDF:25.7/19

+ sign 35.516+/-13.405 χ^2/NDF: 71.2/36

All: -13.904+/-9.535 χ^2/NDF: 144.1/75

- sign -64.523+/-13.567 χ^2/NDF: 45.4/38

cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 58.516+/-0.010 χ^2/NDF:754537.8/20

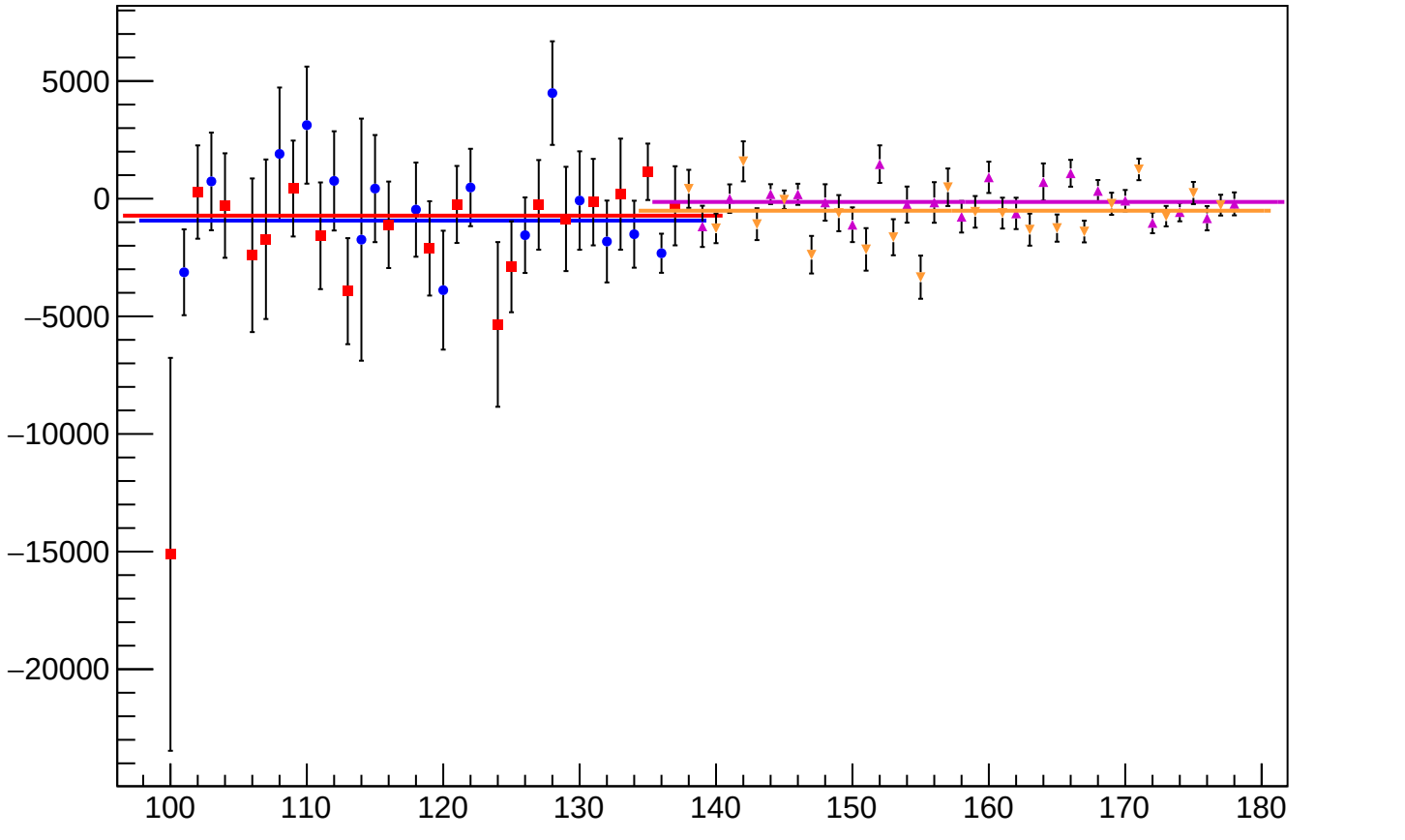
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 58.447+/-0.010 χ^2/NDF:732855.9/19

+ sign 62.923+/-0.009 χ^2/NDF: 2957876.1/36

All: 63.082+/-0.007 χ^2/NDF: 6237598.1/75

- sign 63.246+/-0.010 χ^2/NDF: 3279148.4/38



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -511.680+/-127.403 χ^2/NDF:57.9/20

Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

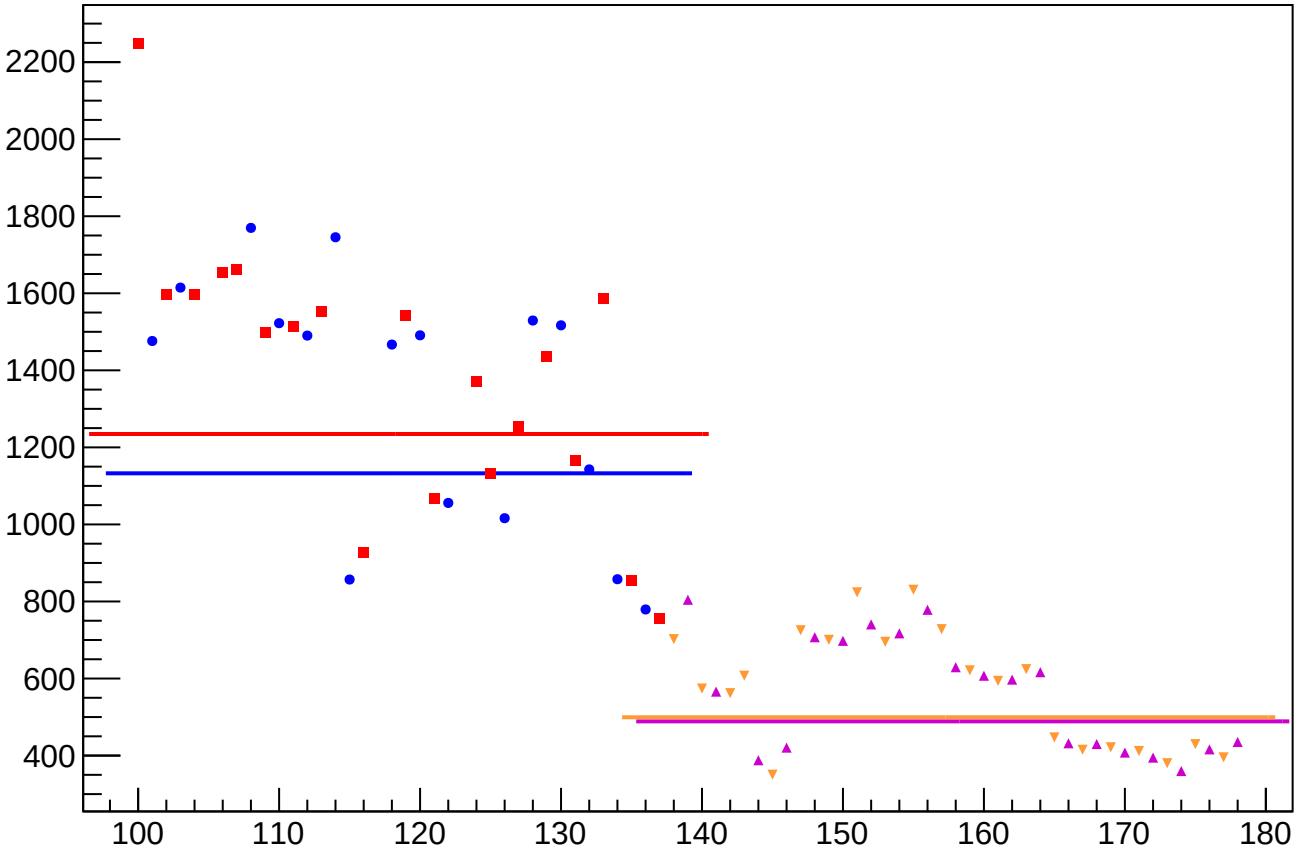
Left In: -138.285+/-125.711 χ^2/NDF:26.2/19

+ sign -543.902+/-122.395 χ^2/NDF: 77.3/36

All: -359.175+/-86.198 χ^2/NDF: 121.9/75

- sign -177.389+/-121.417 χ^2/NDF: 40.1/38

asym_sam_3726_avg_cor_correction_rms vs Slug



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 499.387+/-0.090 χ^2/NDF:2302171.3/20

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

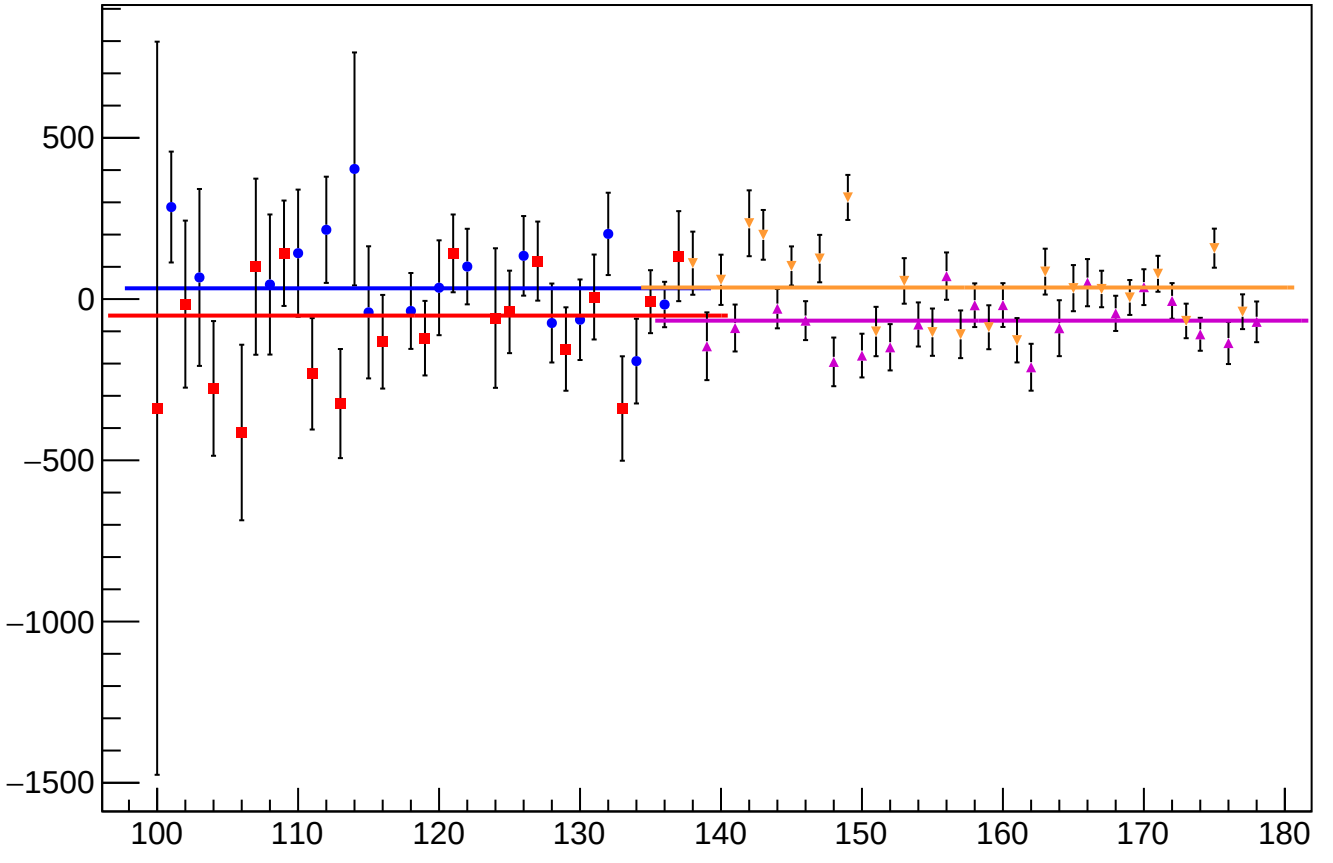
Left In: 488.770+/-0.089 χ^2/NDF:2118098.2/19

\+ sign 548.192+/-0.087 χ^2/NDF: 7234864.6/36

All: 543.490+/-0.061 χ^2/NDF: 14963918.6/75

\- sign 538.862+/-0.086 χ^2/NDF: 7723196.4/38

eigen_cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 35.905+/-14.596 χ^2/NDF:58.4/20

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

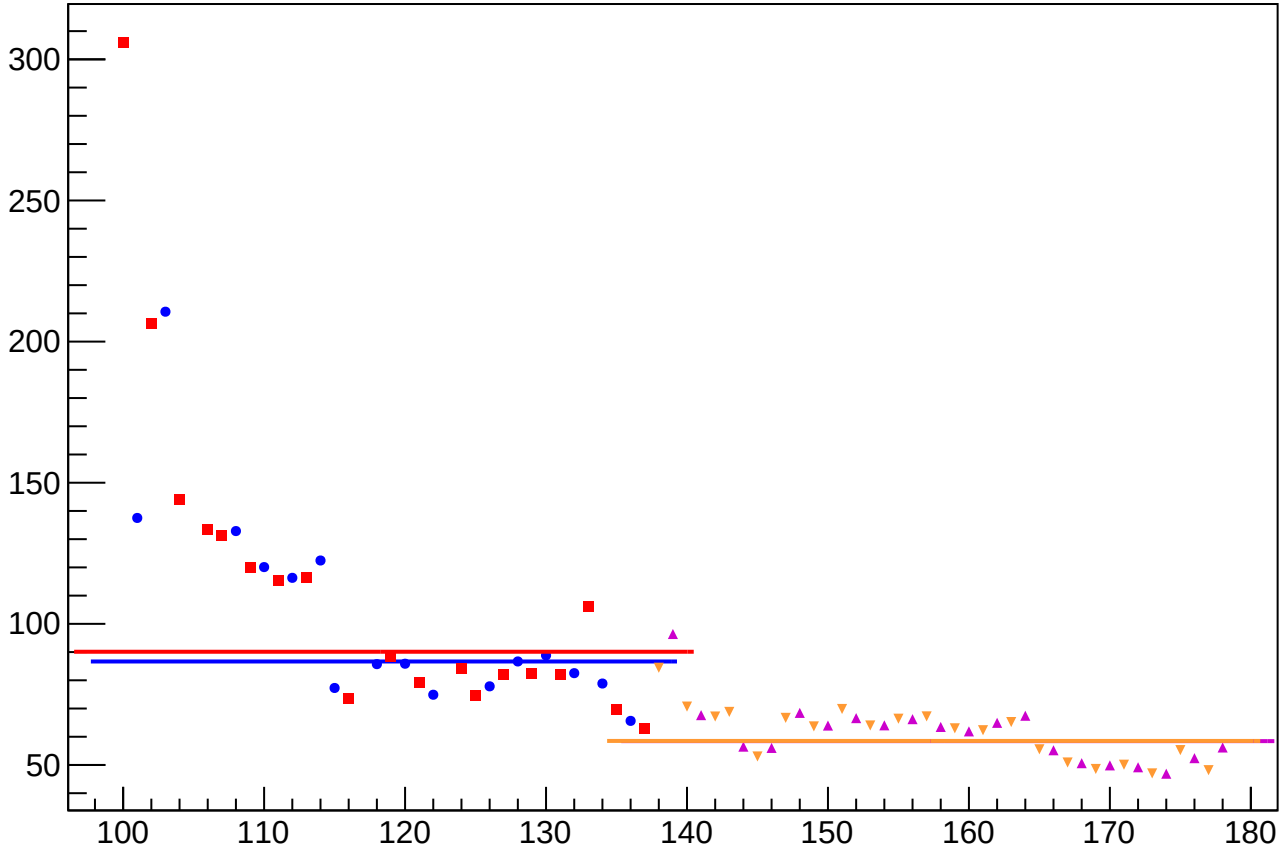
Left In: -66.904+/-14.728 χ^2/NDF:25.7/19

+ sign 35.516+/-13.405 χ^2/NDF: 71.2/36

All: -13.904+/-9.535 χ^2/NDF: 144.1/75

- sign -64.523+/-13.567 χ^2/NDF: 45.4/38

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 58.516+/-0.010 χ^2/NDF:754537.8/20

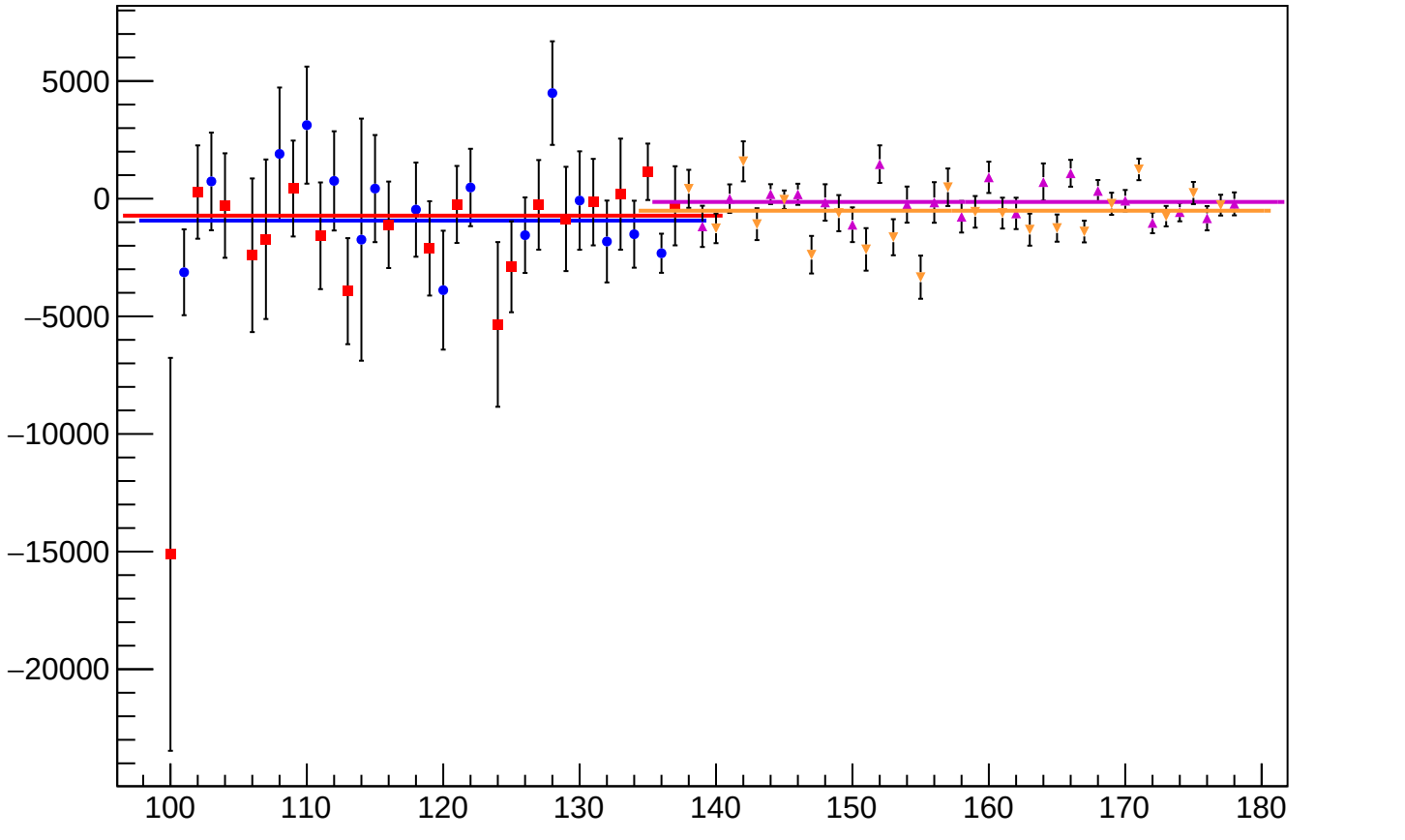
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 58.447+/-0.010 χ^2/NDF:732855.9/19

+ sign 62.923+/-0.009 χ^2/NDF: 2957876.1/36

All: 63.082+/-0.007 χ^2/NDF: 6237598.1/75

- sign 63.246+/-0.010 χ^2/NDF: 3279148.4/38



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -511.680+/-127.403 χ^2/NDF:57.9/20

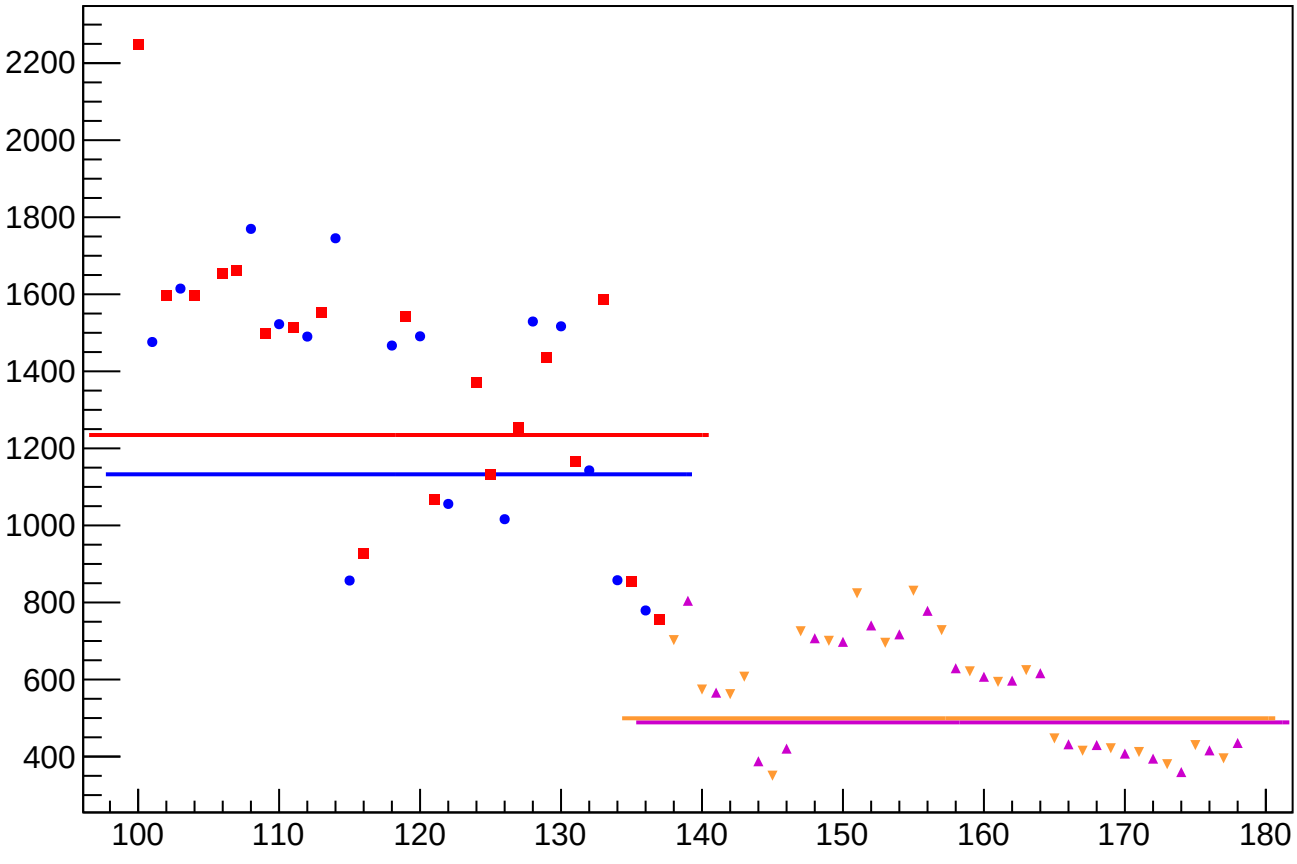
Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: -138.285+/-125.711 χ^2/NDF:26.2/19

+ sign -543.902+/-122.395 χ^2/NDF: 77.3/36

All: -359.175+/-86.198 χ^2/NDF: 121.9/75

- sign -177.389+/-121.417 χ^2/NDF: 40.1/38



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 499.387+/-0.090 χ^2/NDF:2302171.3/20

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

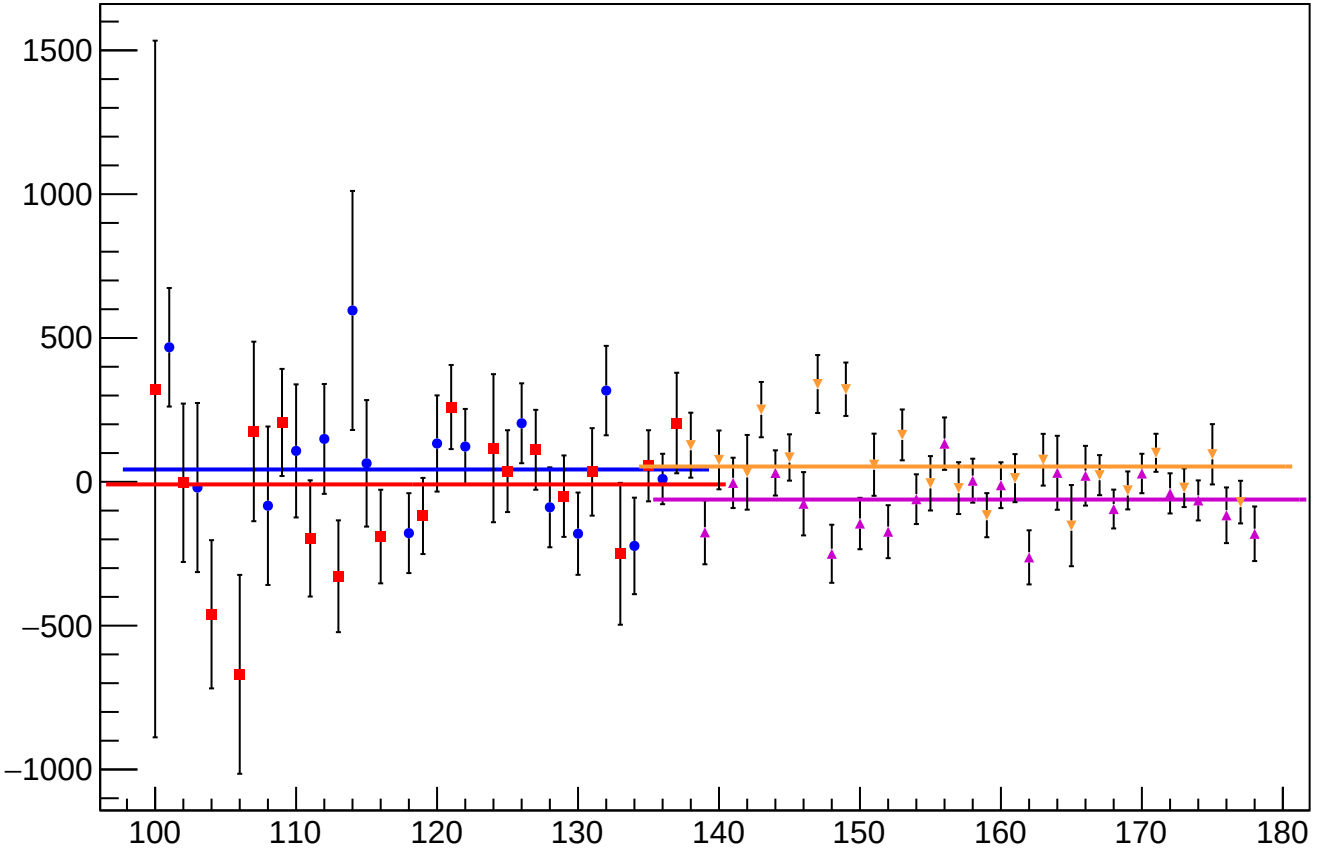
Left In: 488.770+/-0.089 χ^2/NDF:2118098.2/19

+ sign 548.192+/-0.087 χ^2/NDF: 7234864.6/36

All: 543.490+/-0.061 χ^2/NDF: 14963918.6/75

- sign 538.862+/-0.086 χ^2/NDF: 7723196.4/38

dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 53.178+/-18.883 χ^2/NDF:37.7/20

Right Out: -8.989+/-41.060 χ^2/NDF: 21.3/18

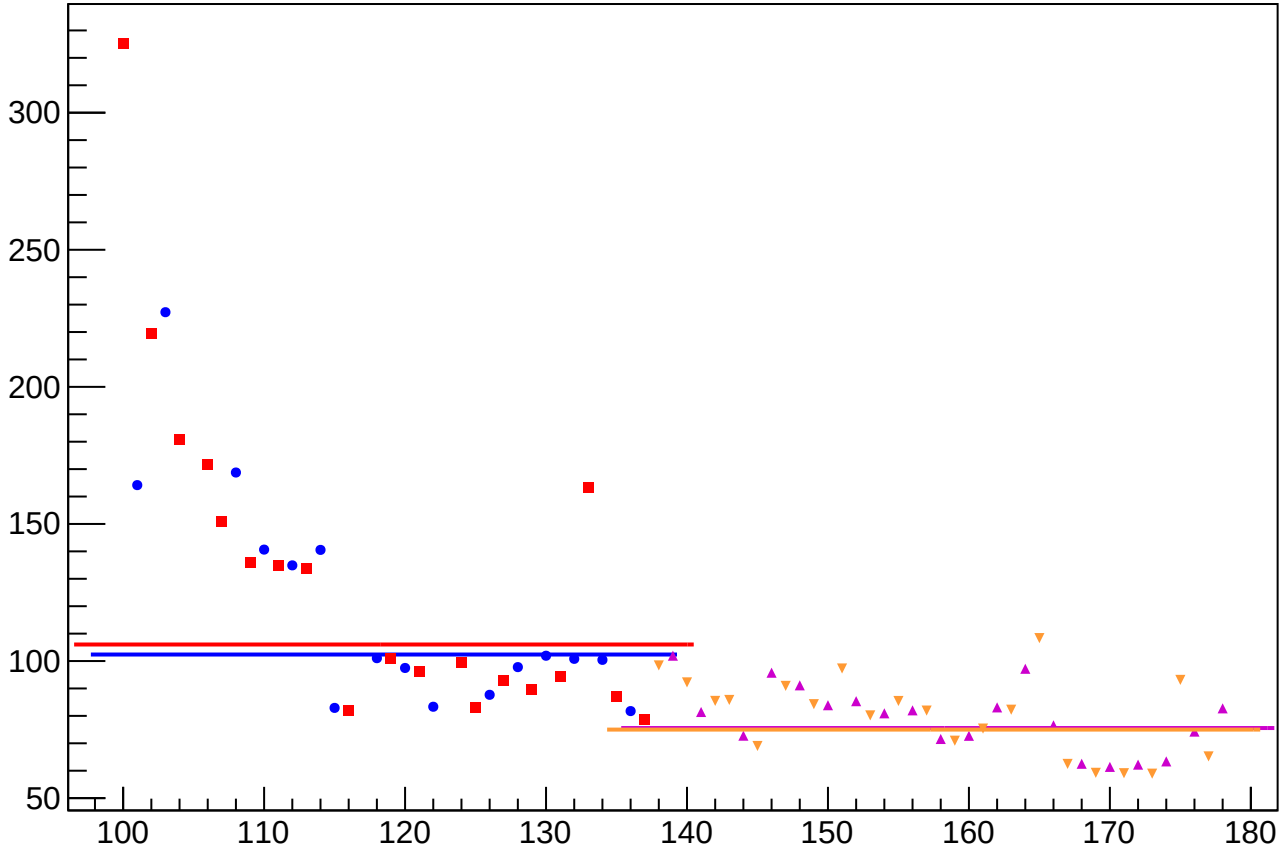
Left In: -61.599+/-19.214 χ^2/NDF:24.1/19

+ sign 51.303+/-17.072 χ^2/NDF: 58.1/36

All: 0.569+/-12.187 χ^2/NDF: 122.9/75

- sign -52.148+/-17.403 χ^2/NDF: 46.8/38

dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 74.999+/-0.013 χ^2/NDF:1023680.0/20

Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

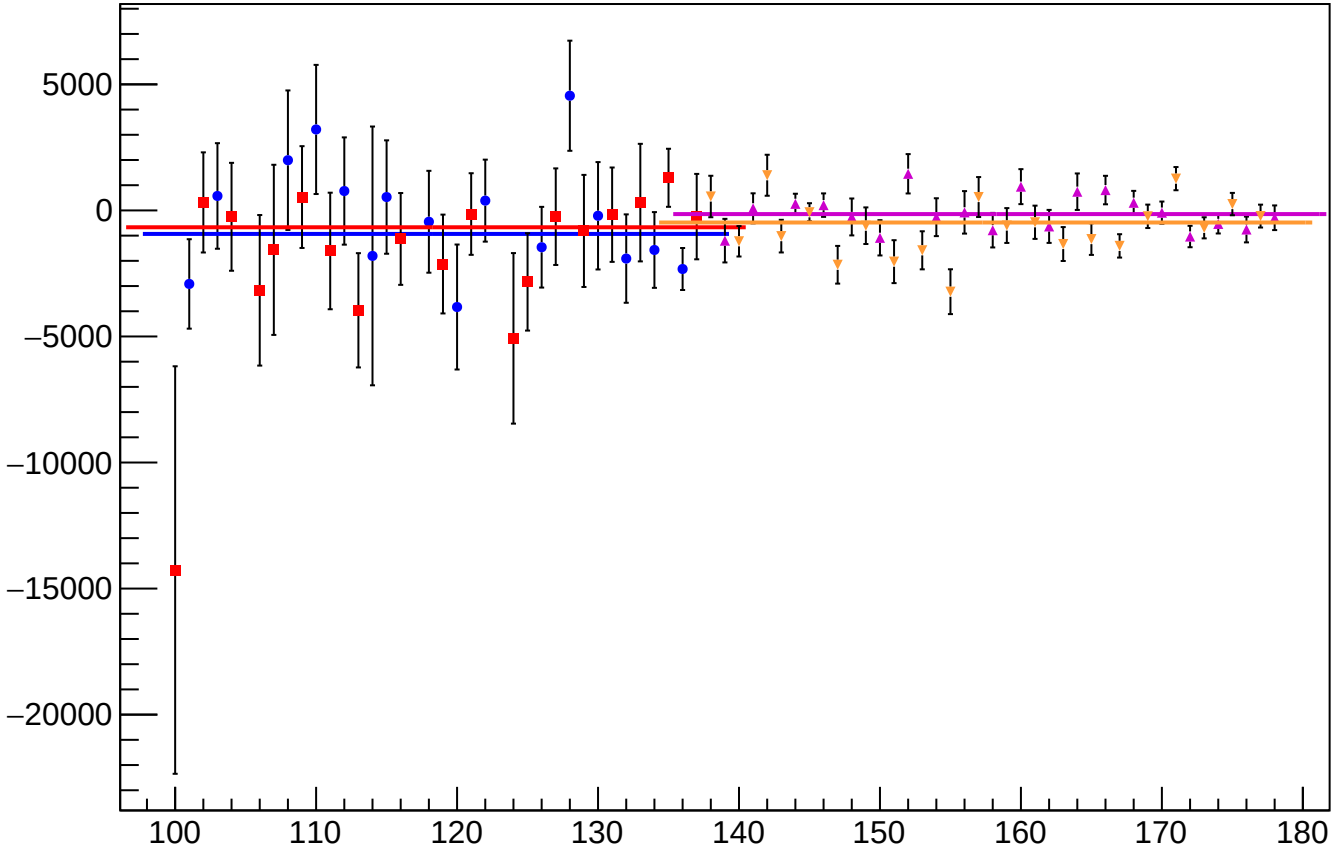
Left In: 75.565+/-0.014 χ^2/NDF:680203.5/19

+ sign 80.000+/-0.012 χ^2/NDF: 2773879.9/36

All: 80.509+/-0.009 χ^2/NDF: 5552378.5/75

- sign 81.038+/-0.012 χ^2/NDF: 2774868.3/38

asym_sam_3726_avg_dit_correction_mean vs Slug



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -479.364+/-124.631 χ^2/NDF:56.7/20

Right Out: -668.521+/-463.213 χ^2/NDF: 13.5/18

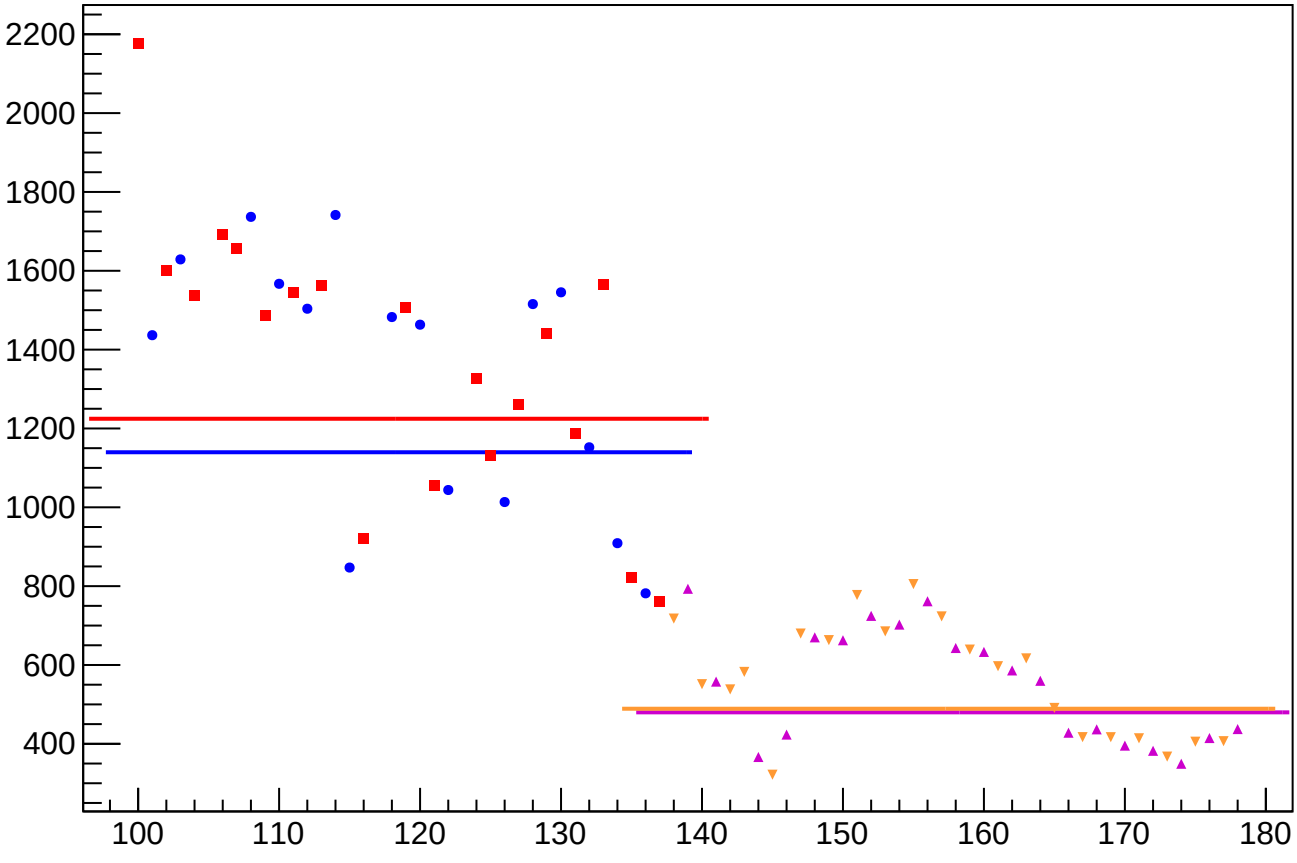
Left In: -145.326+/-123.572 χ^2/NDF:25.4/19

+ sign -512.628+/-119.968 χ^2/NDF: 76.1/36

All: -345.562+/-84.627 χ^2/NDF: 120.1/75

- sign -180.086+/-119.396 χ^2/NDF: 40.1/38

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 489.038+/-0.088 χ^2/NDF:2372050.9/20

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

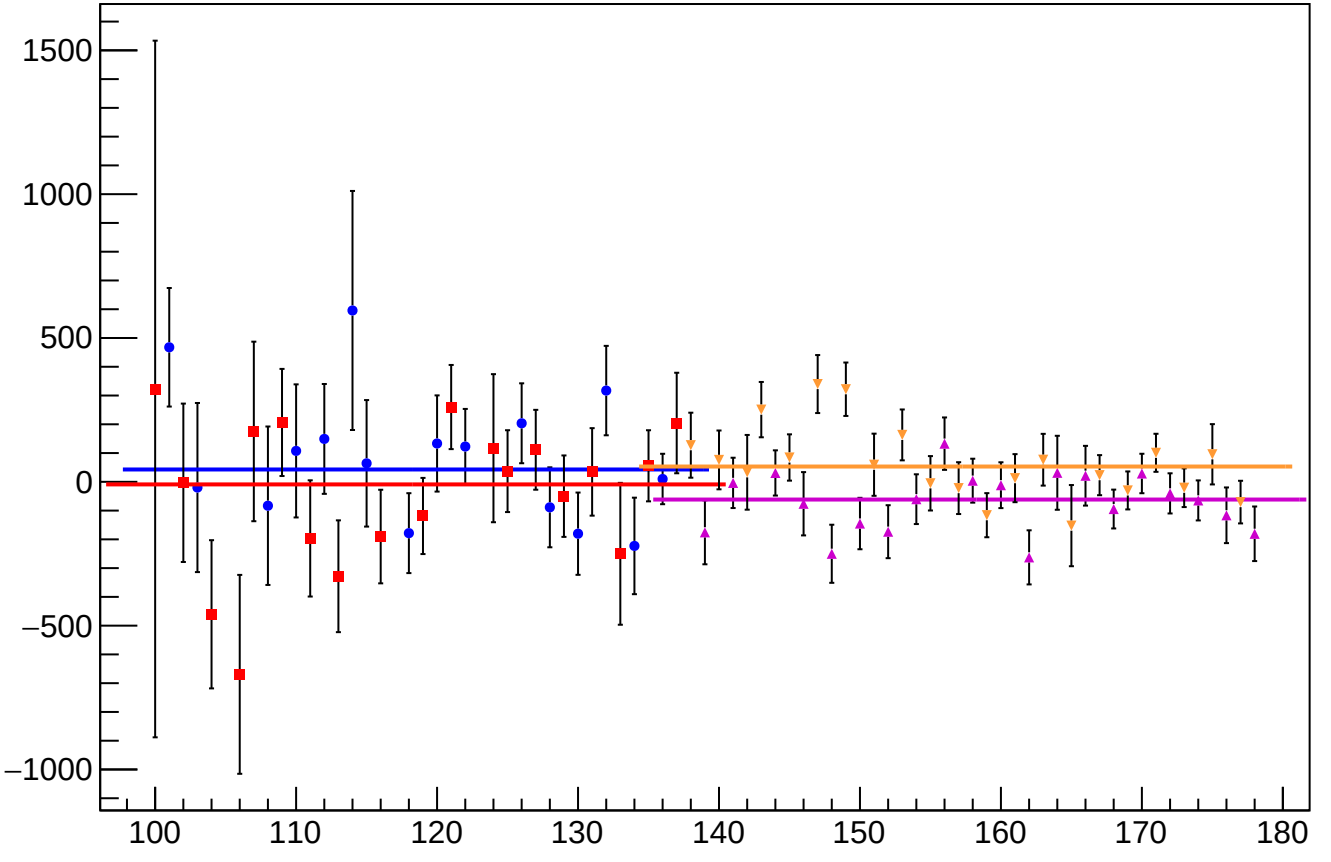
Left In: 479.859+/-0.087 χ^2/NDF:2138775.0/19

+ sign 536.812+/-0.085 χ^2/NDF: 7467640.2/36

All: 533.059+/-0.060 χ^2/NDF: 15359567.7/75

- sign 529.341+/-0.084 χ^2/NDF: 7888031.1/38

eigen_dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 53.177+/-18.883 χ^2/NDF:37.7/20

Right Out: -8.986+/-41.060 χ^2/NDF: 21.3/18

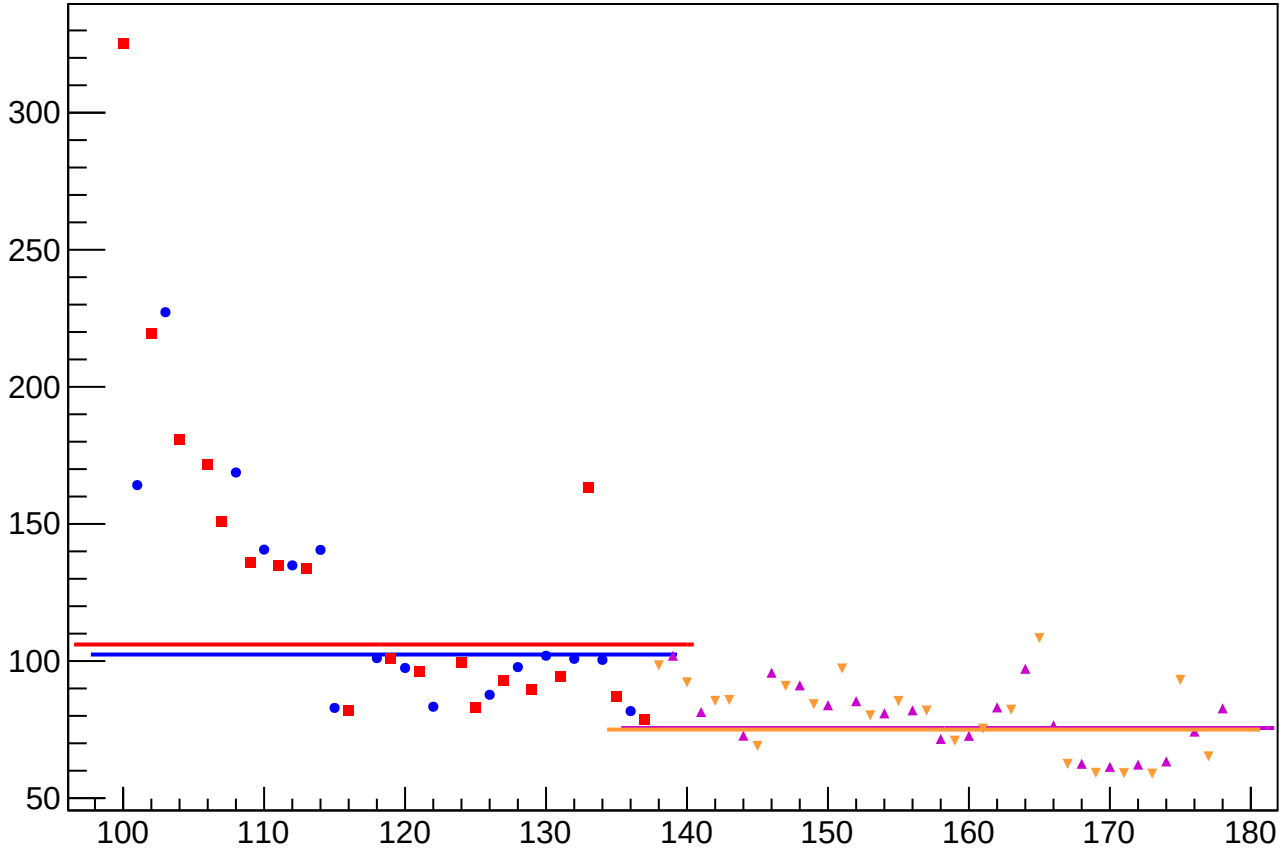
Left In: -61.598+/-19.214 χ^2/NDF:24.1/19

+ sign 51.302+/-17.072 χ^2/NDF: 58.1/36

All: 0.569+/-12.187 χ^2/NDF: 122.9/75

- sign -52.147+/-17.403 χ^2/NDF: 46.8/38

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 75.000+/-0.013 χ^2/NDF:1023677.7/20

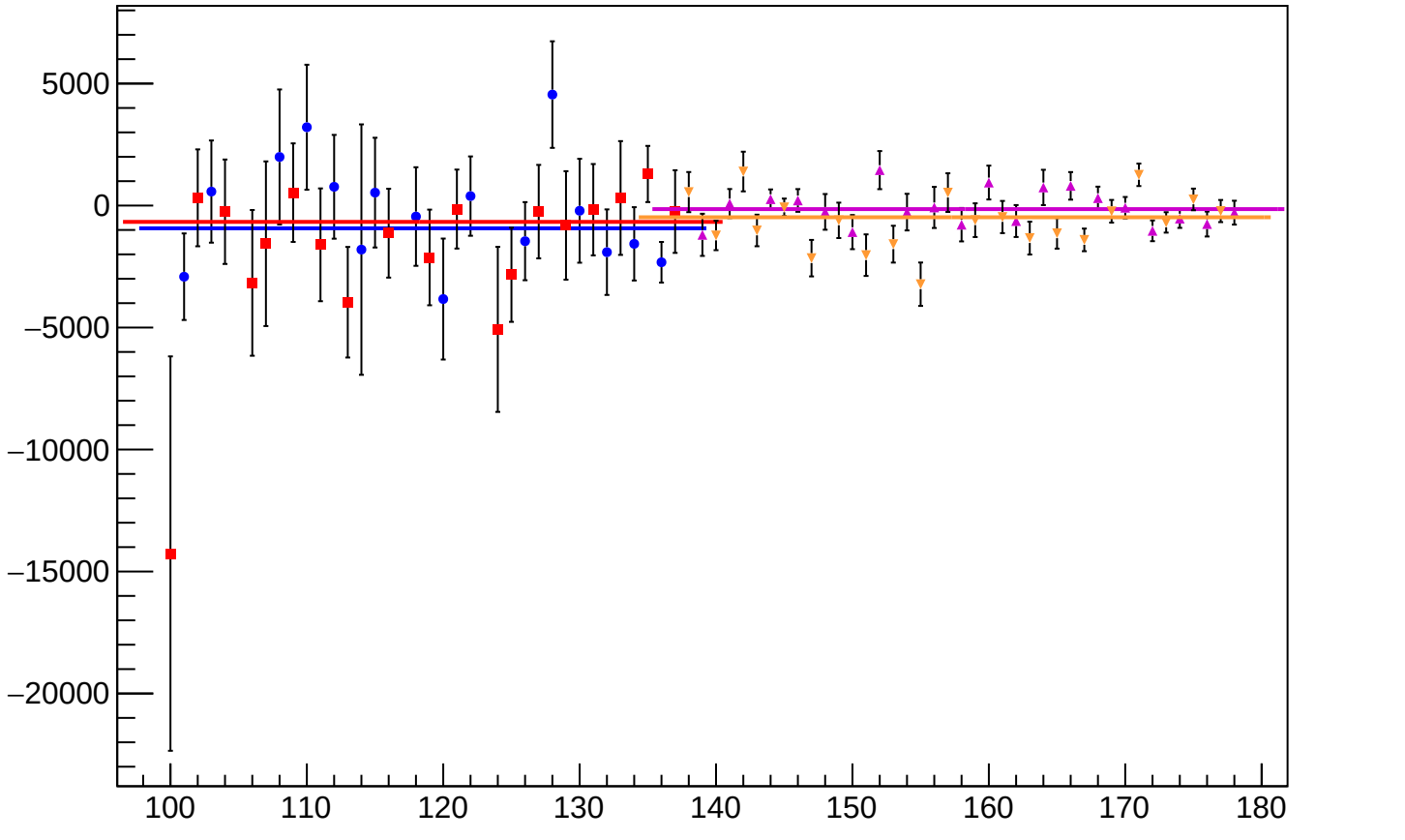
Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 75.566+/-0.014 χ^2/NDF:680198.8/19

+ sign 80.000+/-0.012 χ^2/NDF: 2773848.7/36

All: 80.509+/-0.009 χ^2/NDF: 5552322.4/75

- sign 81.039+/-0.012 χ^2/NDF: 2774842.9/38



Right In: -932.377+/-442.724 χ^2/NDF: 18.5/15

Left Out: -479.363+/-124.631 χ^2/NDF:56.7/20

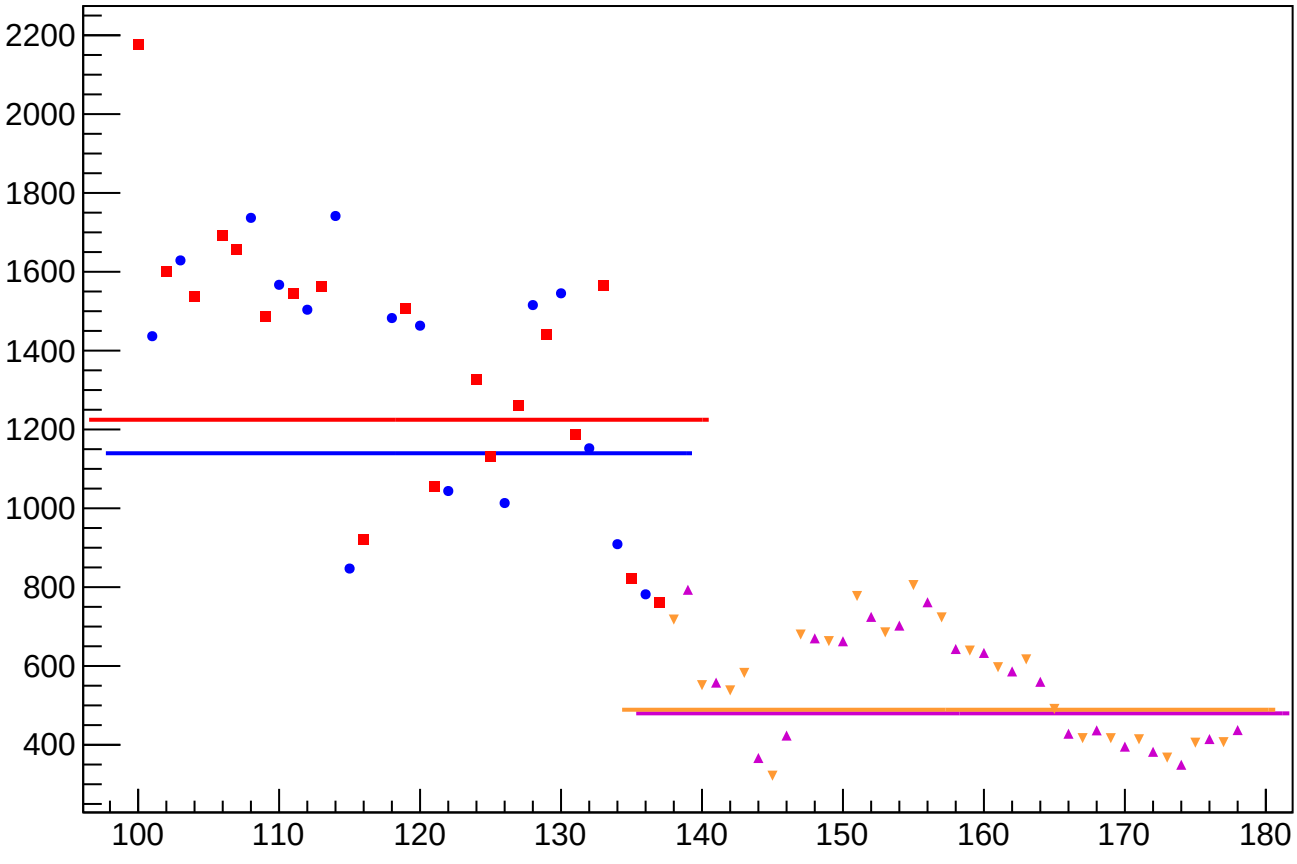
Right Out: -668.522+/-463.212 χ^2/NDF: 13.5/18

Left In: -145.325+/-123.572 χ^2/NDF:25.4/19

+ sign -512.628+/-119.968 χ^2/NDF: 76.1/36

All: -345.562+/-84.627 χ^2/NDF: 120.1/75

- sign -180.085+/-119.396 χ^2/NDF: 40.1/38



Right In: 1139.656+/-0.313 χ^2/NDF: 1093397.5/15

Left Out: 489.037+/-0.088 χ^2/NDF:2372055.1/20

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

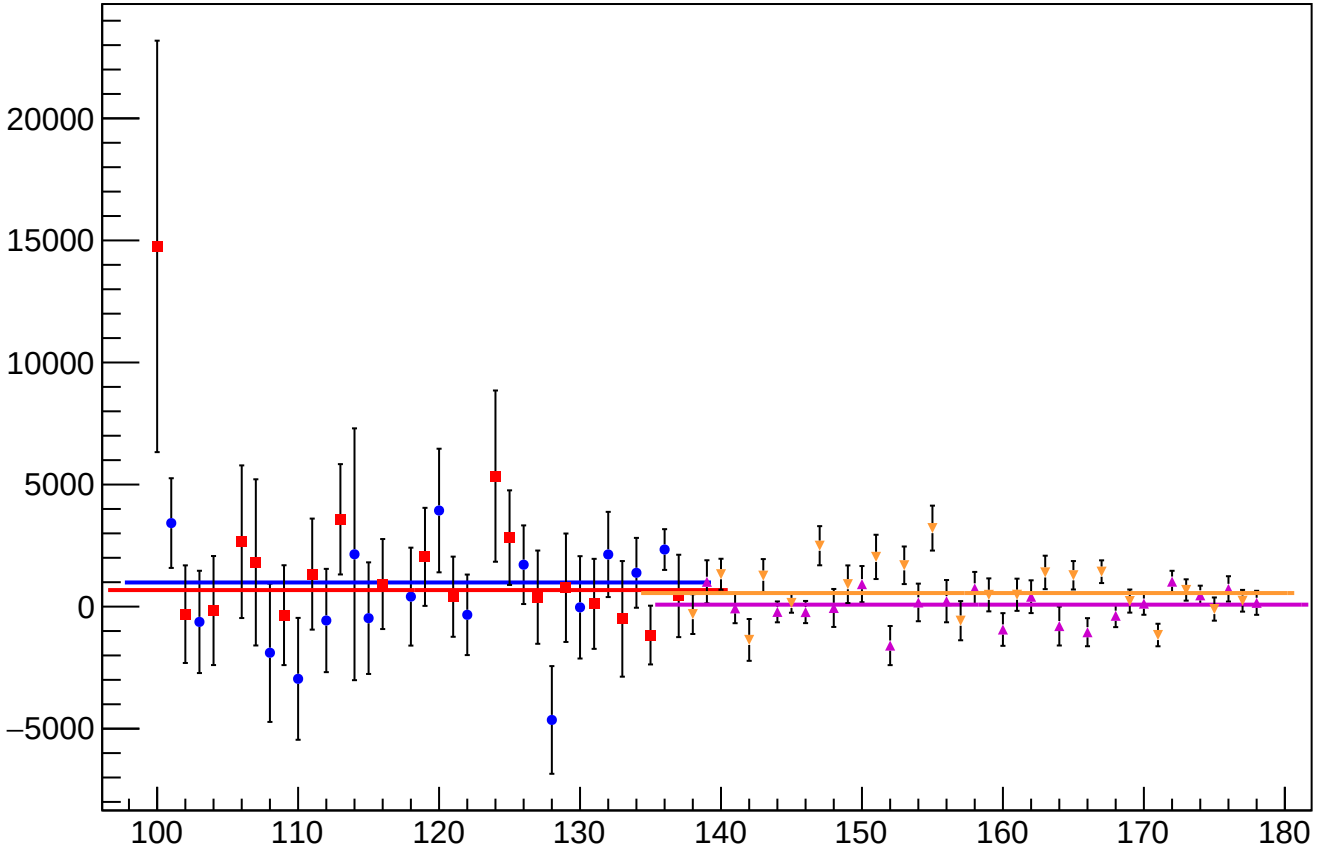
Left In: 479.859+/-0.087 χ^2/NDF:2138768.2/19

+ sign 536.811+/-0.085 χ^2/NDF: 7467633.1/36

All: 533.058+/-0.060 χ^2/NDF: 15359537.4/75

- sign 529.341+/-0.084 χ^2/NDF: 7888008.3/38

asym_sam_3726_avg_mean vs Slug



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 555.841+/-128.338 χ^2/NDF:54.5/20

Right Out: 677.628+/-469.652 χ^2/NDF: 11.9/18

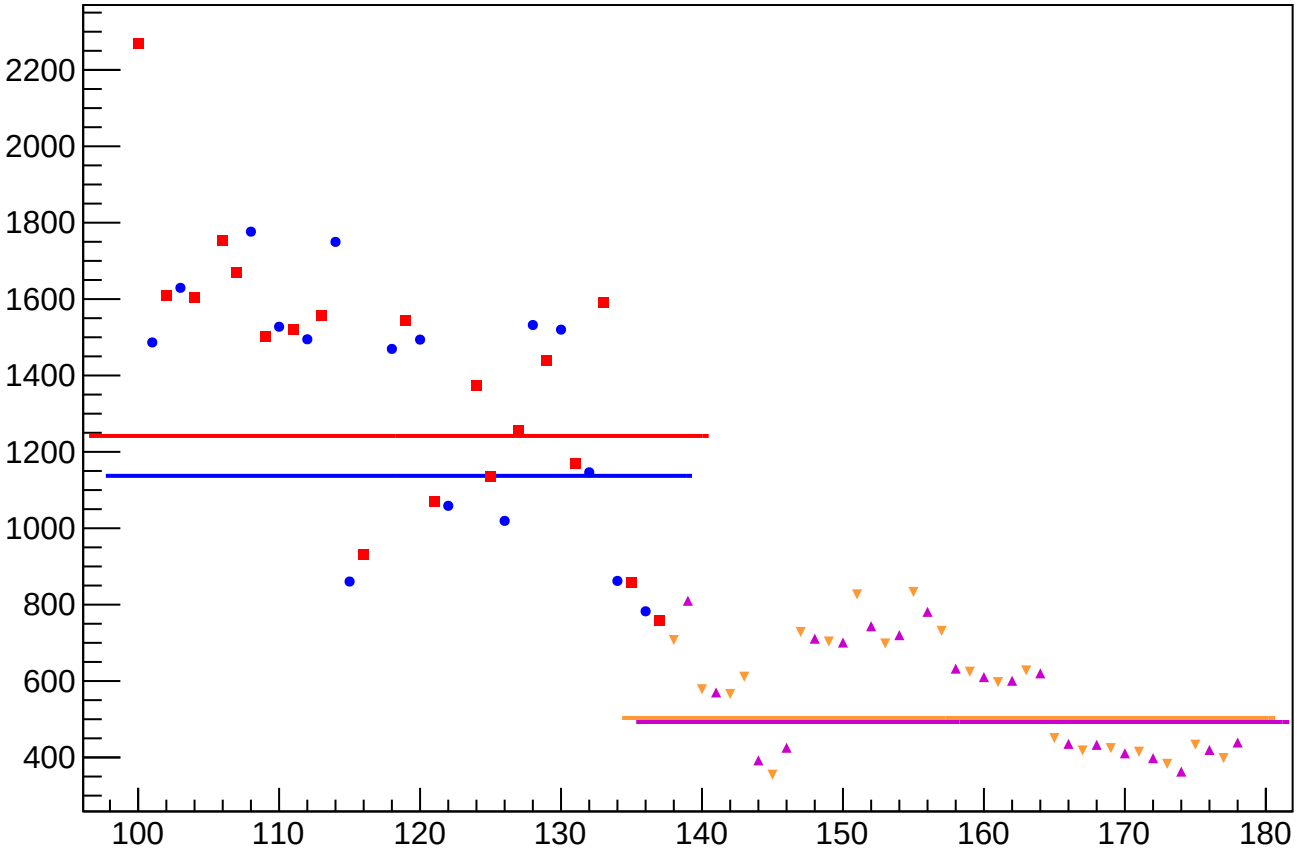
Left In: 80.188+/-126.690 χ^2/NDF:24.4/19

+ sign 589.456+/-123.262 χ^2/NDF: 74.4/36

All: 353.282+/-86.823 χ^2/NDF: 119.6/75

- sign 120.712+/-122.317 χ^2/NDF: 37.8/38

asym_sam_3726_avg_rms vs Slug



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 503.285+/-0.091 χ^2/NDF:2273280.7/20

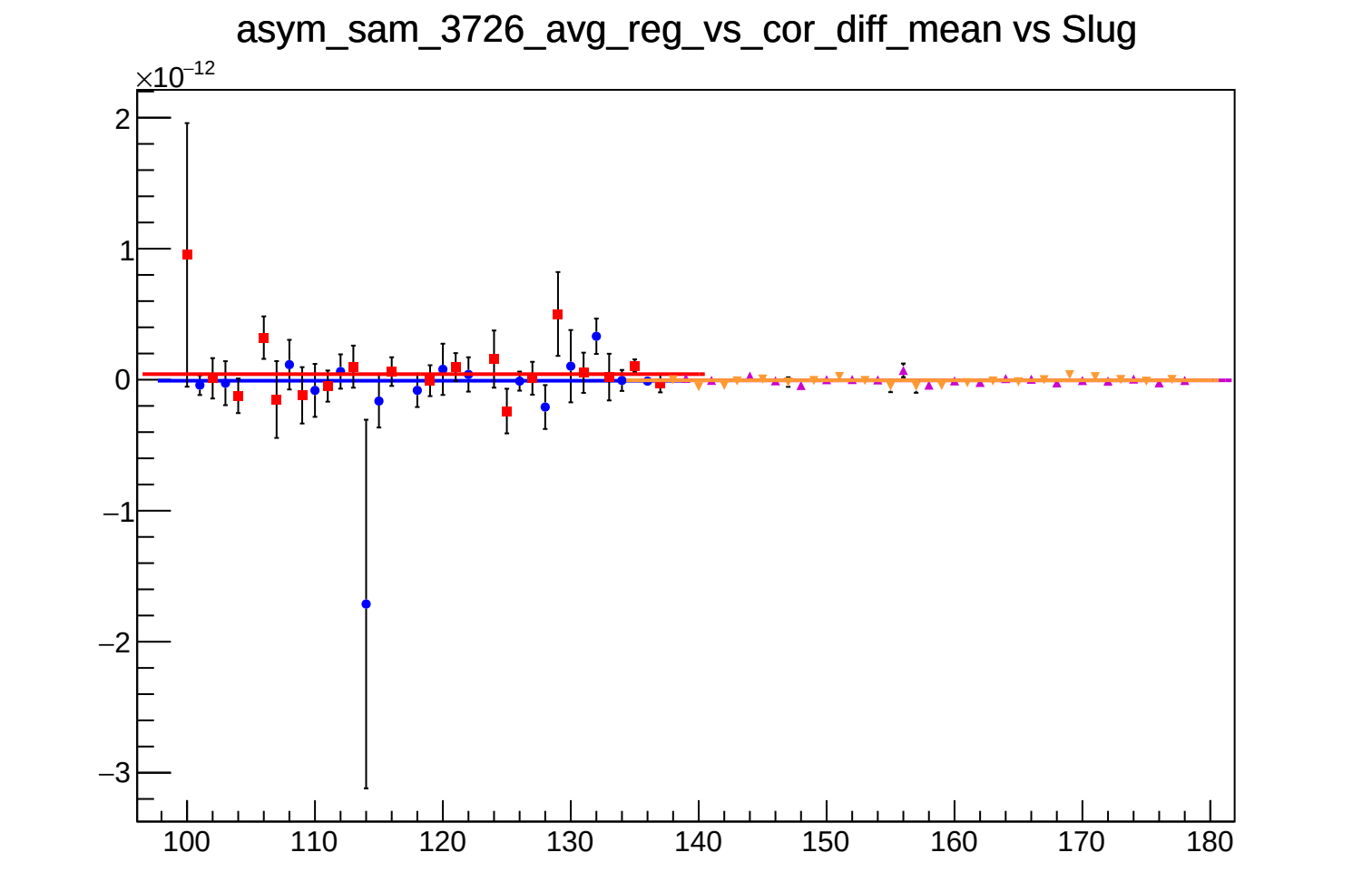
Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 492.799+/-0.090 χ^2/NDF:2091295.5/19

+ sign 552.445+/-0.087 χ^2/NDF: 7181154.2/36

All: 547.988+/-0.061 χ^2/NDF: 14917644.4/75

- sign 543.598+/-0.086 χ^2/NDF: 7731299.0/38



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 15.5/18

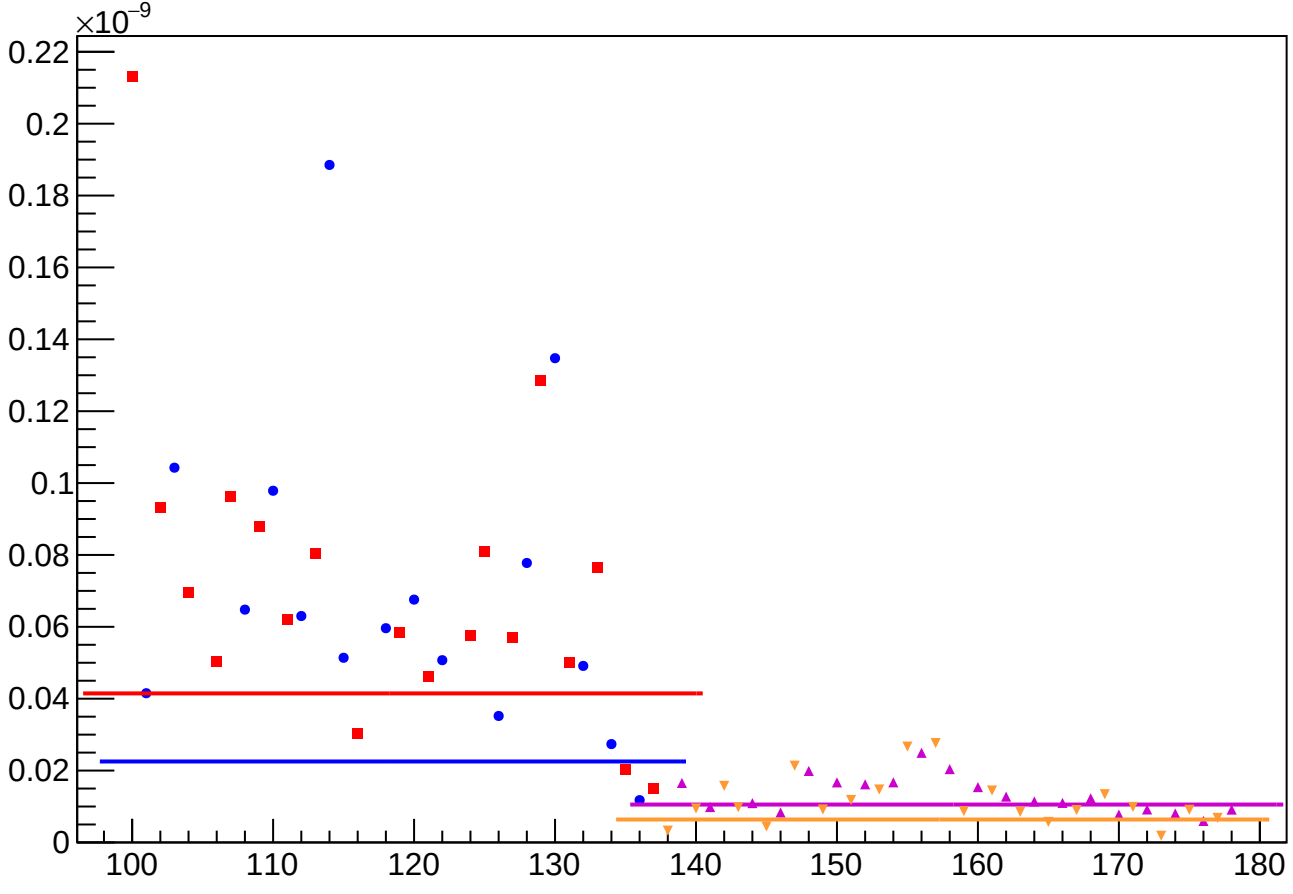
Left In: -0.000+/-0.000 χ^2/NDF:13.1/19

+ sign -0.000+/-0.000 χ^2/NDF: 38.7/36

All: -0.000+/-0.000 χ^2/NDF: 70.4/75

- sign -0.000+/-0.000 χ^2/NDF: 31.6/38

asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2852766.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3679374.1/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1847735.6/18

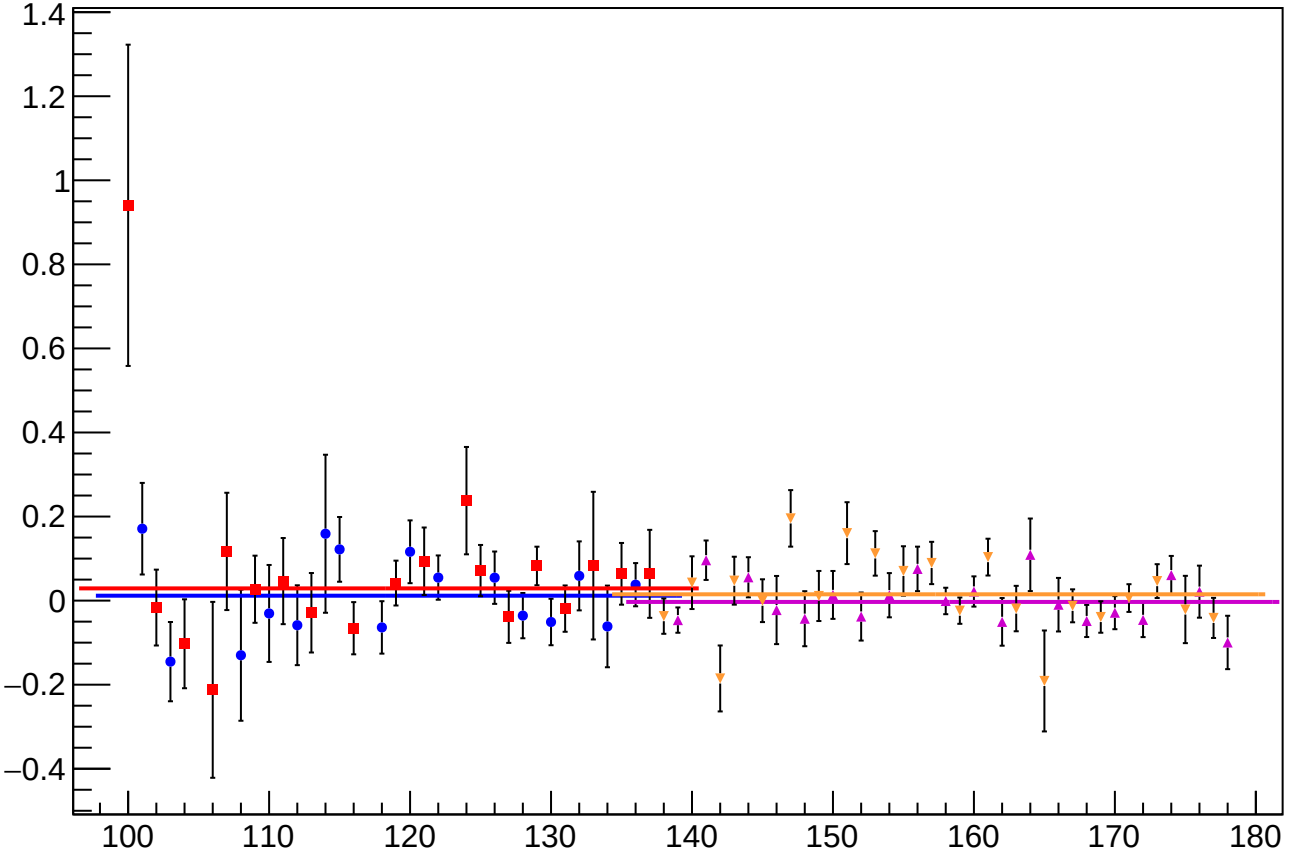
Left In: 0.000+/-0.000 χ^2/NDF:1350531.8/19

+ sign 0.000+/-0.000 χ^2/NDF: 8204480.7/36

All: 0.000+/-0.000 χ^2/NDF: 15229844.4/75

- sign 0.000+/-0.000 χ^2/NDF: 5735257.6/38

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: 0.015+/-0.011 χ^2/NDF:40.0/20

Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

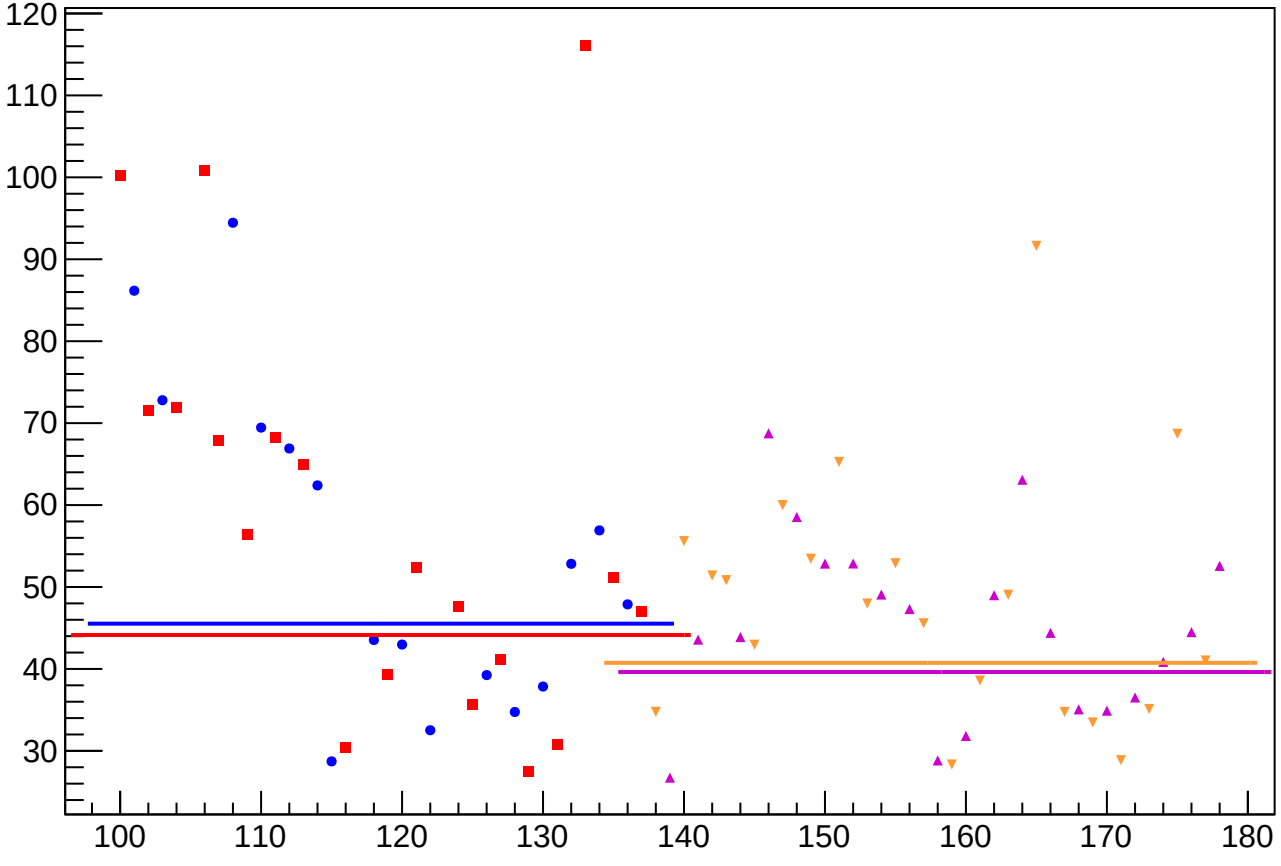
Left In: -0.003+/-0.010 χ^2/NDF:21.4/19

+ sign 0.014+/-0.009 χ^2/NDF: 56.9/36

All: 0.010+/-0.006 χ^2/NDF: 100.8/75

- sign 0.005+/-0.009 χ^2/NDF: 43.4/38

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: 40.747+/-0.008 χ^2/NDF:2264428.5/20

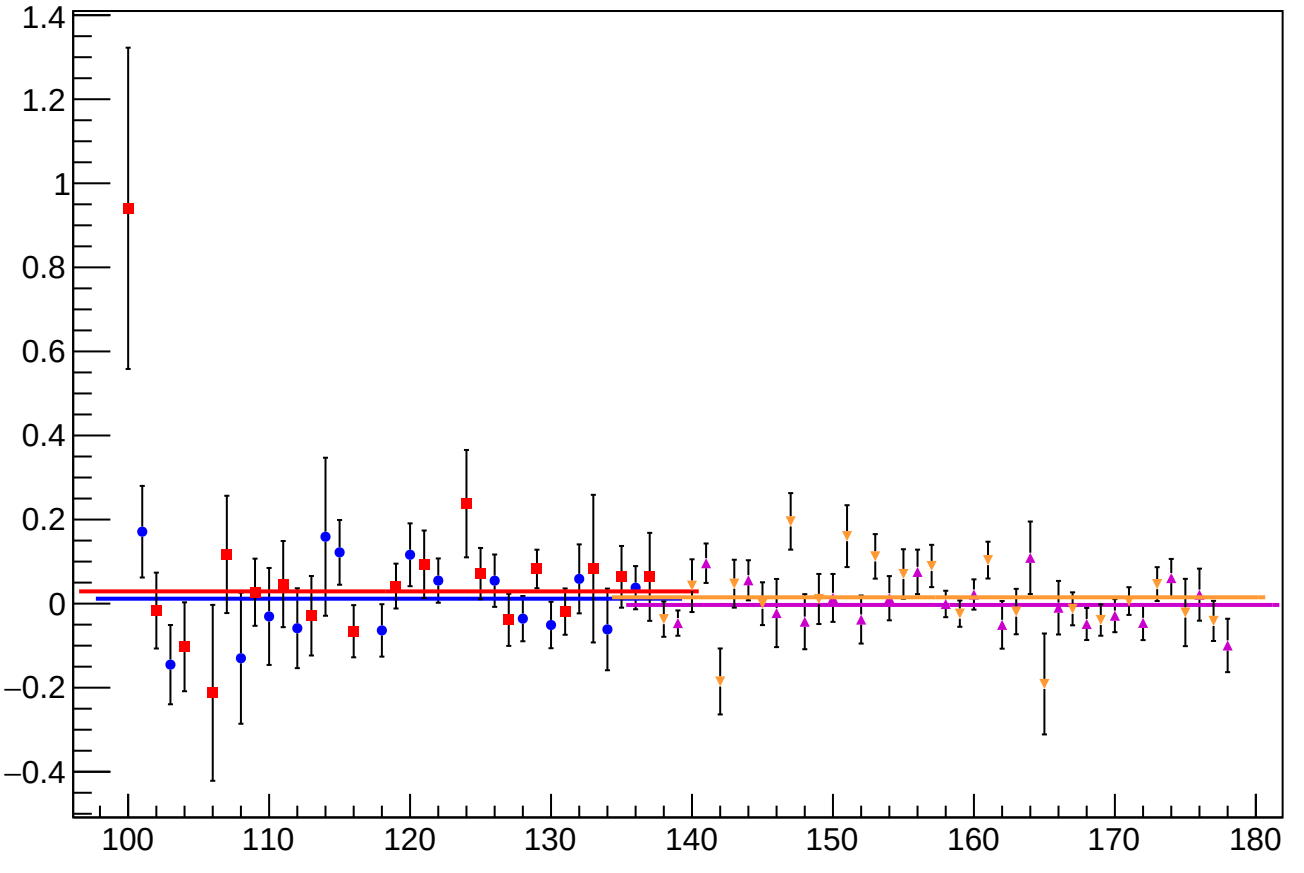
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 39.621+/-0.007 χ^2/NDF:1852620.1/19

+ sign 41.950+/-0.007 χ^2/NDF: 3620172.5/36

All: 41.354+/-0.005 χ^2/NDF: 7327896.7/75

- sign 40.777+/-0.006 χ^2/NDF: 3691150.9/38



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.015+/-0.011 χ^2/NDF:40.0/20

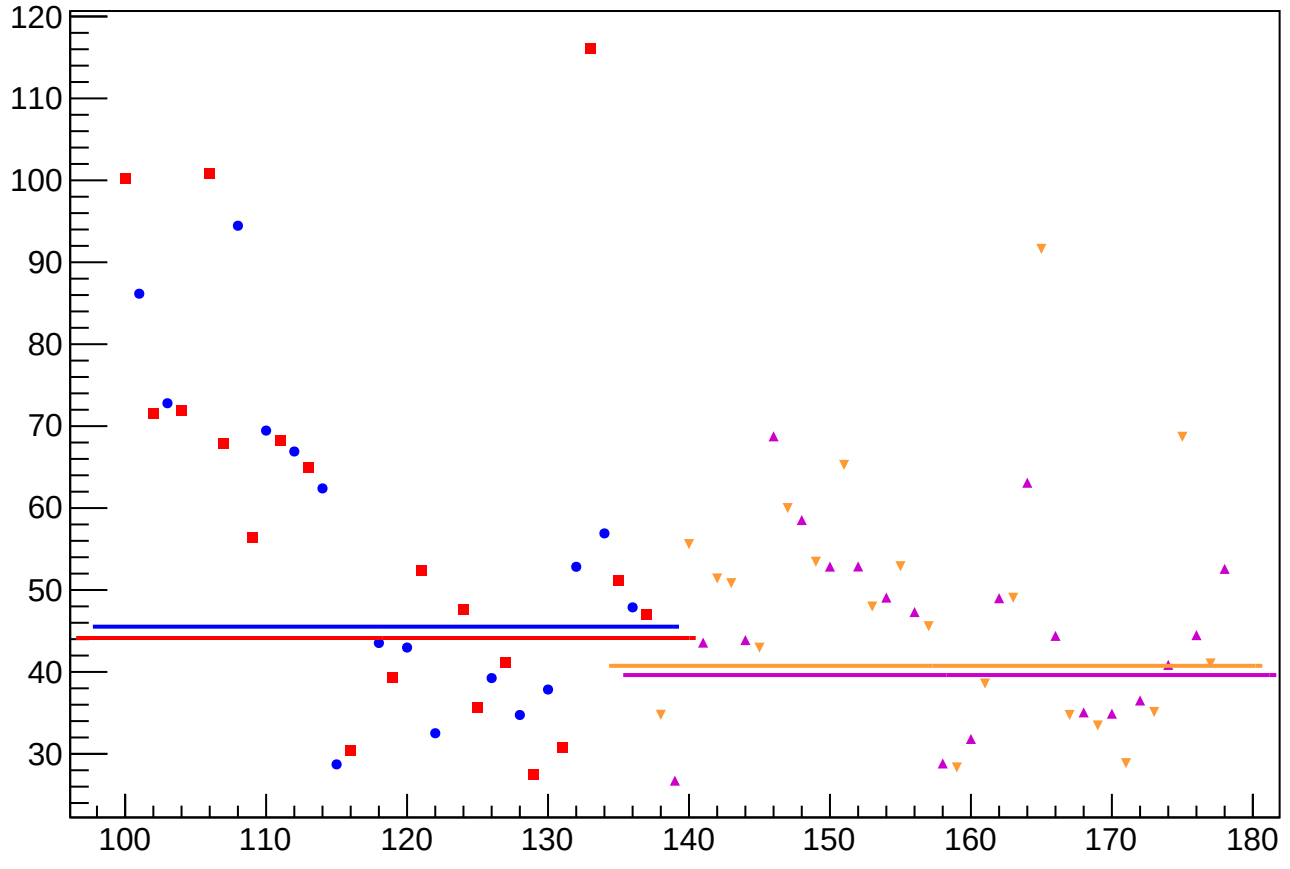
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.003+/-0.010 χ^2/NDF:21.4/19

+ sign 0.014+/-0.009 χ^2/NDF: 56.9/36

All: 0.010+/-0.006 χ^2/NDF: 100.8/75

- sign 0.005+/-0.009 χ^2/NDF: 43.4/38



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 40.747+/-0.008 χ^2/NDF:2264428.5/20

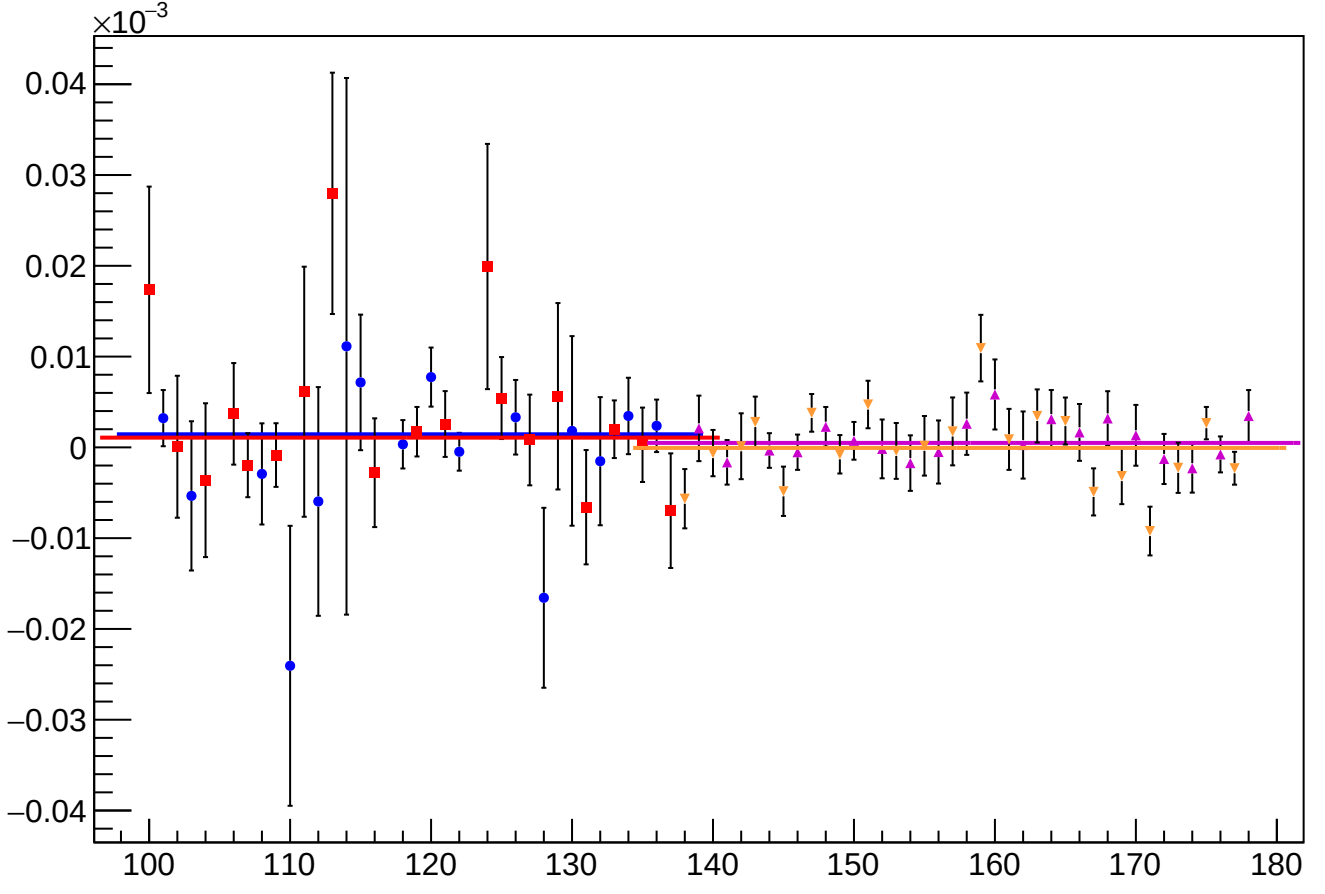
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 39.621+/-0.007 χ^2/NDF:1852620.1/19

+ sign 41.950+/-0.007 χ^2/NDF: 3620172.5/36

All: 41.354+/-0.005 χ^2/NDF: 7327896.7/75

- sign 40.777+/-0.006 χ^2/NDF: 3691150.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:46.8/20

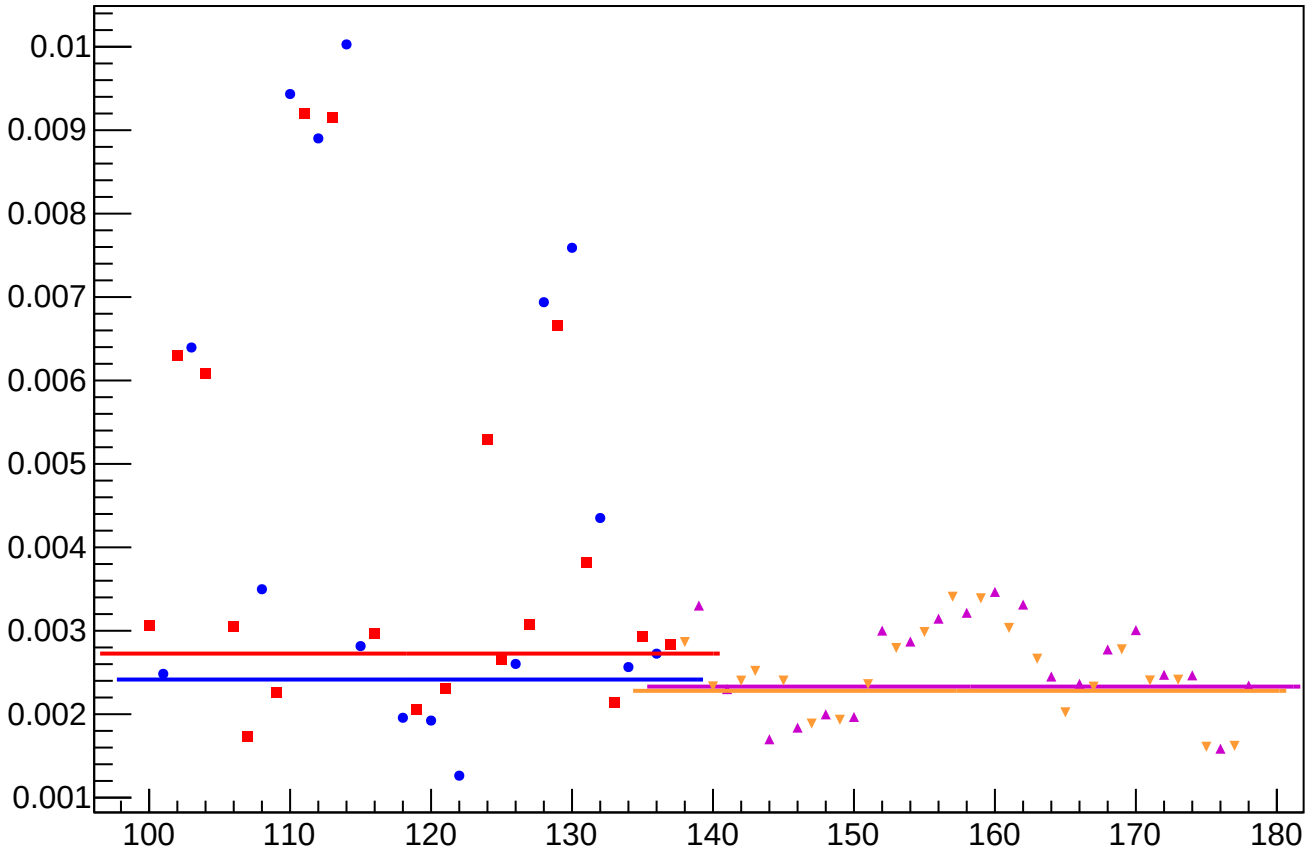
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:9.7/19

+ sign 0.000+/-0.000 χ^2/NDF: 62.5/36

All: 0.000+/-0.000 χ^2/NDF: 87.5/75

- sign 0.000+/-0.000 χ^2/NDF: 24.7/38



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.002+/-0.000 χ^2/NDF:1491435.8/20

Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

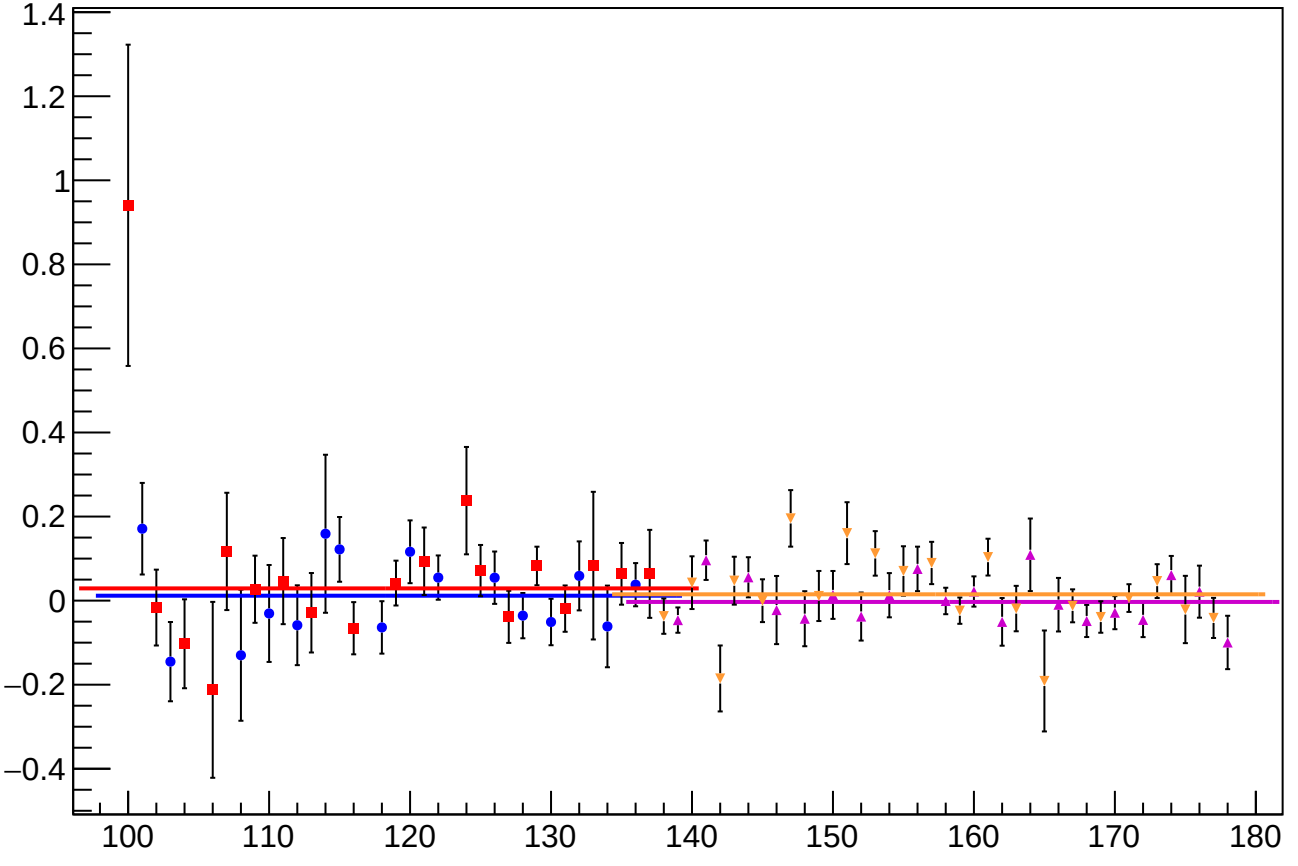
Left In: 0.002+/-0.000 χ^2/NDF:1726655.5/19

+ sign 0.002+/-0.000 χ^2/NDF: 4949459.7/36

All: 0.002+/-0.000 χ^2/NDF: 9417834.6/75

- sign 0.002+/-0.000 χ^2/NDF: 4425377.9/38

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: 0.015+/-0.011 χ^2/NDF:40.0/20

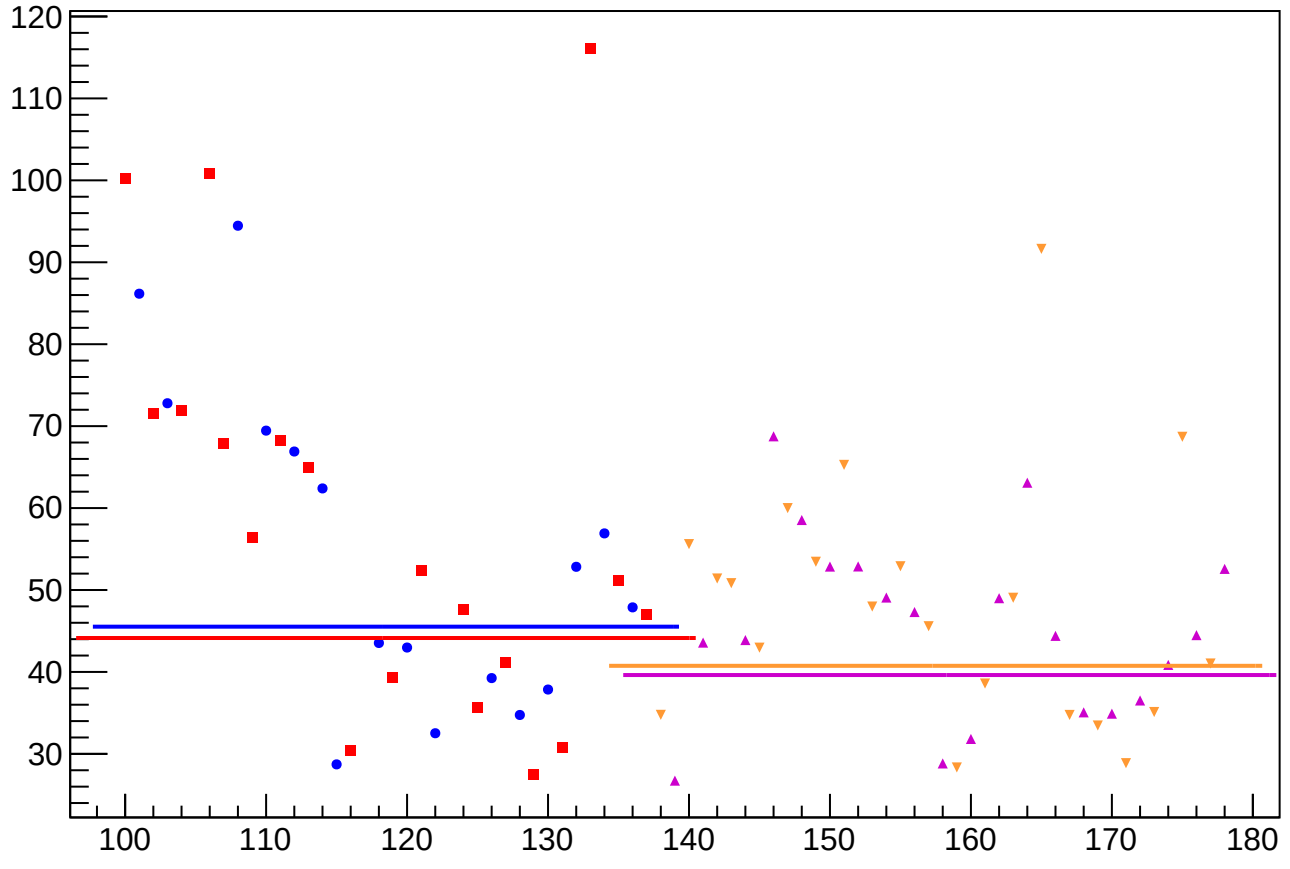
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.003+/-0.010 χ^2/NDF:21.4/19

+ sign 0.014+/-0.009 χ^2/NDF: 56.9/36

All: 0.010+/-0.006 χ^2/NDF: 100.8/75

- sign 0.005+/-0.009 χ^2/NDF: 43.4/38



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 40.748+/-0.008 χ^2/NDF:2264456.8/20

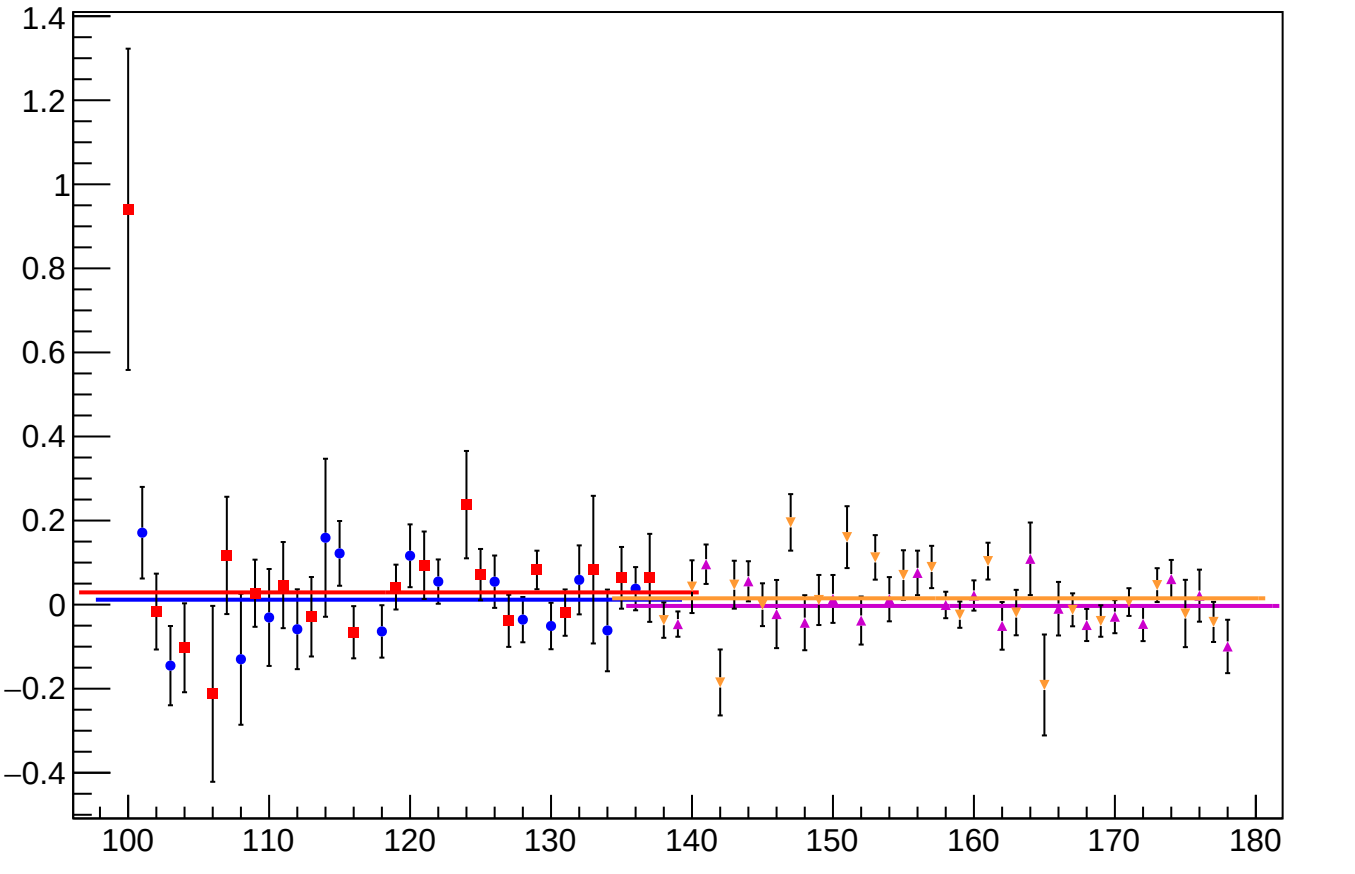
Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 39.621+/-0.007 χ^2/NDF:1852656.1/19

+ sign 41.951+/-0.007 χ^2/NDF: 3620143.7/36

All: 41.354+/-0.005 χ^2/NDF: 7327820.8/75

- sign 40.777+/-0.006 χ^2/NDF: 3691107.5/38



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.015+/-0.011 χ^2/NDF:40.0/20

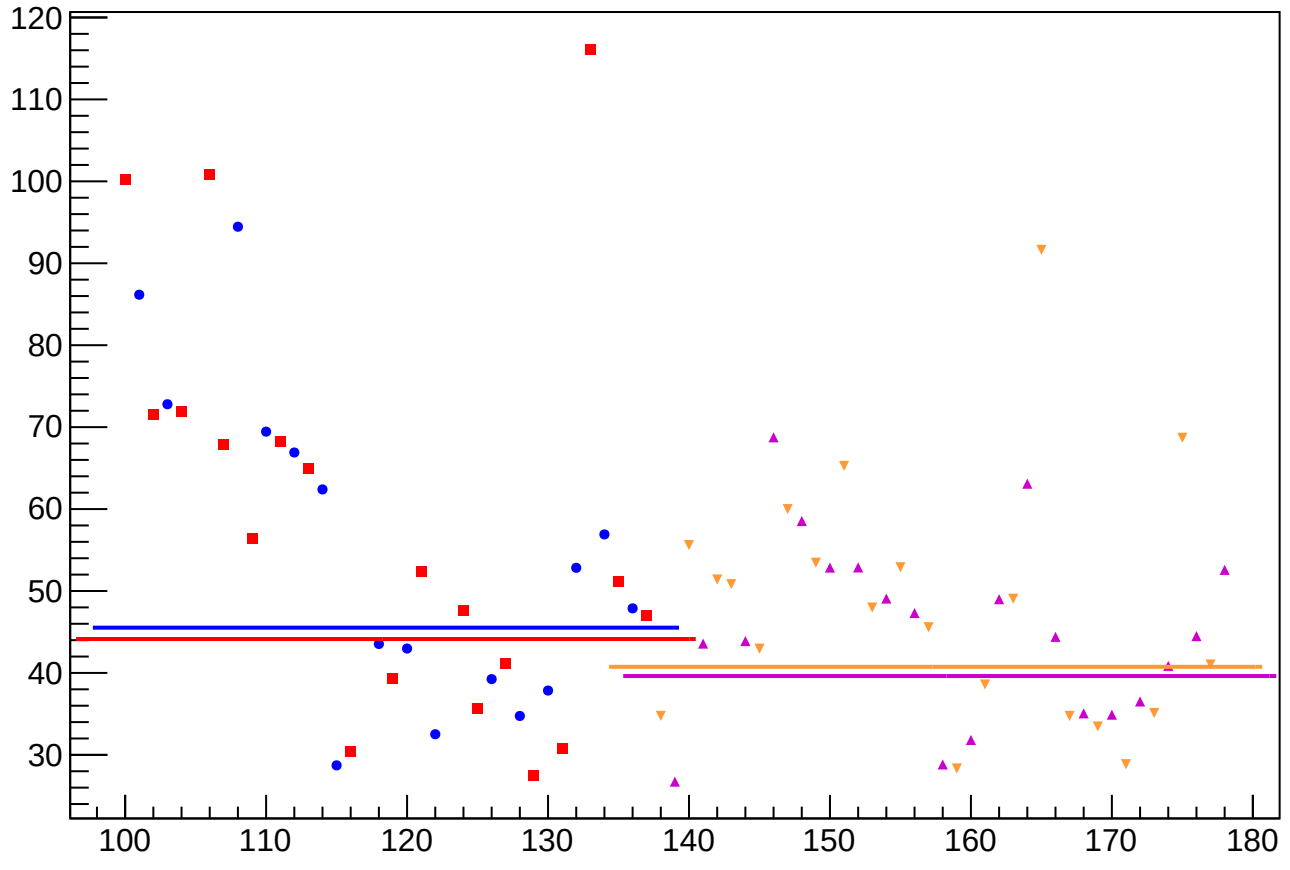
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.003+/-0.010 χ^2/NDF:21.4/19

+ sign 0.014+/-0.009 χ^2/NDF: 56.9/36

All: 0.010+/-0.006 χ^2/NDF: 100.8/75

- sign 0.005+/-0.009 χ^2/NDF: 43.4/38



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 40.748+/-0.008 χ^2/NDF:2264456.8/20

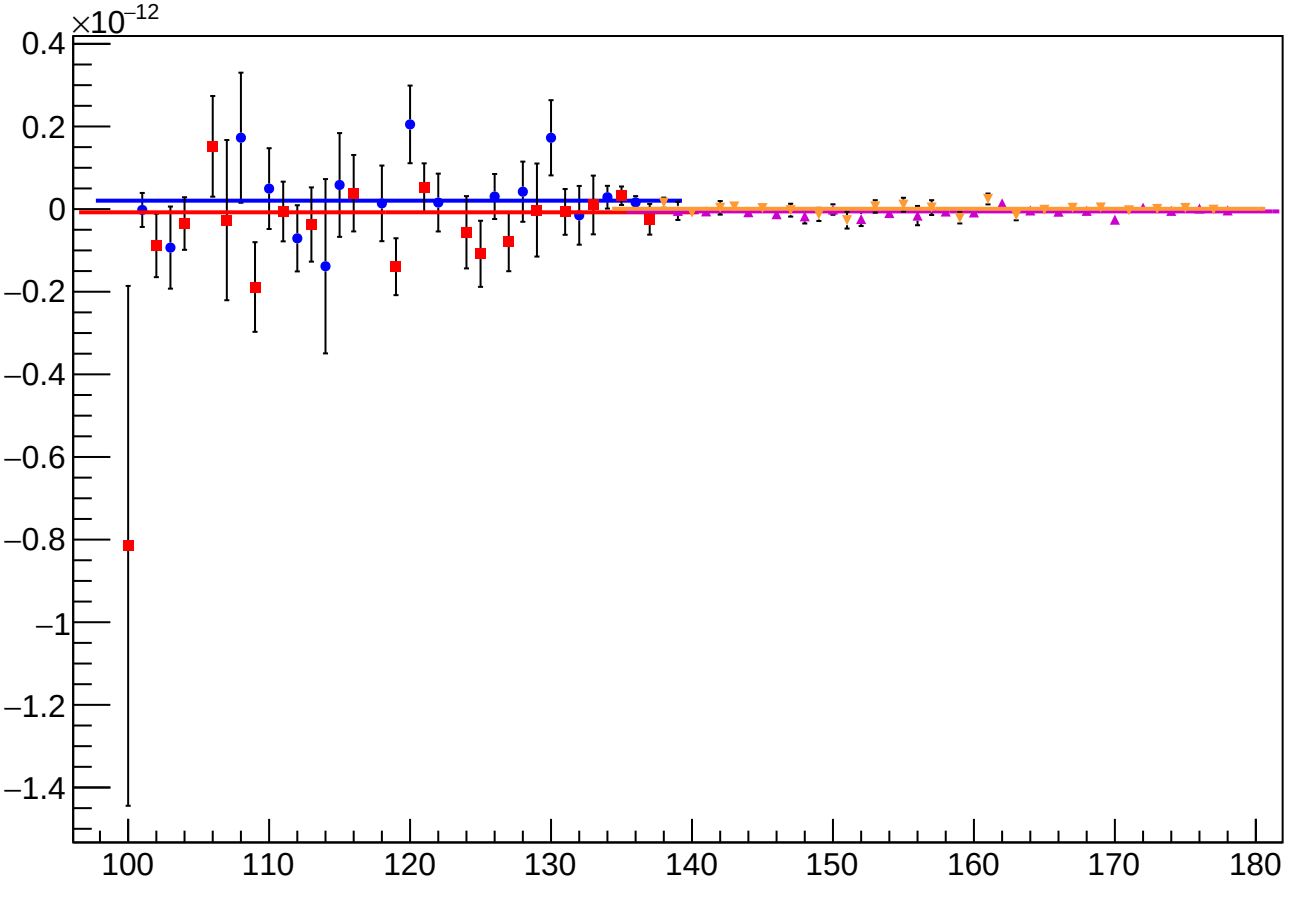
Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 39.621+/-0.007 χ^2/NDF:1852656.1/19

+ sign 41.951+/-0.007 χ^2/NDF: 3620143.7/36

All: 41.354+/-0.005 χ^2/NDF: 7327820.8/75

- sign 40.777+/-0.006 χ^2/NDF: 3691107.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.9/20

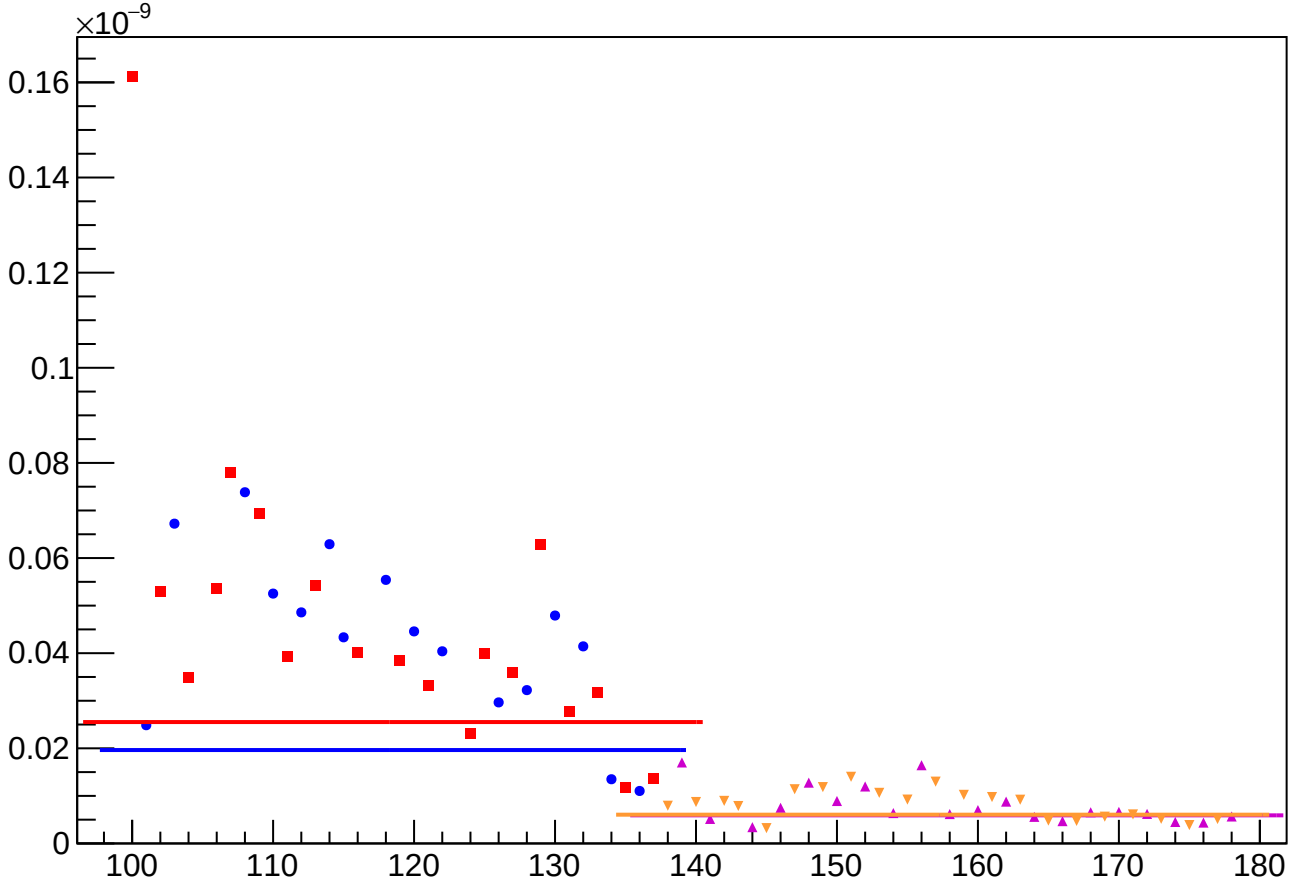
Right Out: -0.000+/-0.000 χ^2/NDF: 18.8/18

Left In: -0.000+/-0.000 χ^2/NDF:12.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 28.7/36

All: -0.000+/-0.000 χ^2/NDF: 66.0/75

- sign -0.000+/-0.000 χ^2/NDF: 31.3/38



Right In: 0.000+/-0.000 χ^2/NDF: 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3120238.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

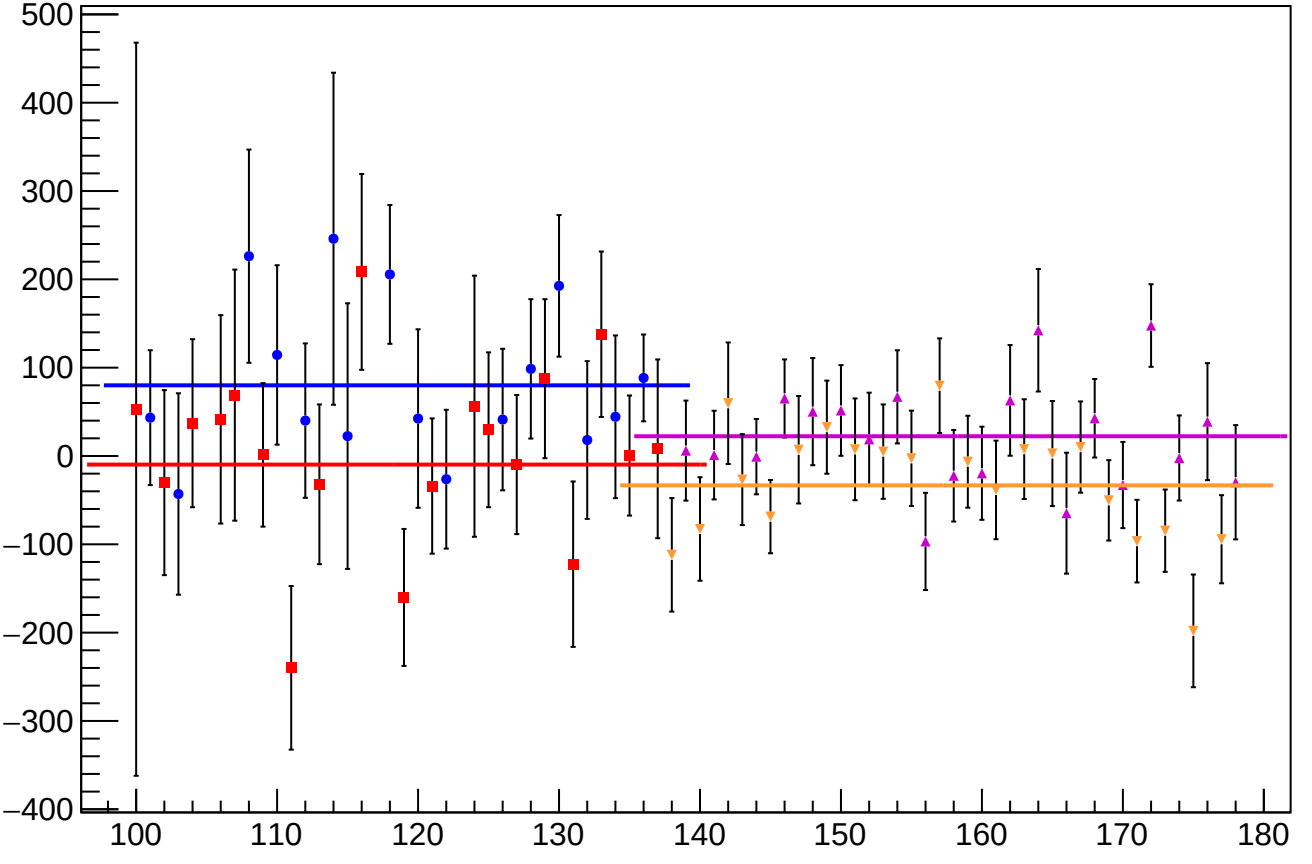
Left In: 0.000+/-0.000 χ^2/NDF:2442390.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 9217098.0/36

All: 0.000+/-0.000 χ^2/NDF: 18376952.6/75

- sign 0.000+/-0.000 χ^2/NDF: 9153853.5/38

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -33.267+/-11.637 χ^2/NDF:25.8/20

Right Out: -9.730+/-21.617 χ^2/NDF: 20.3/18

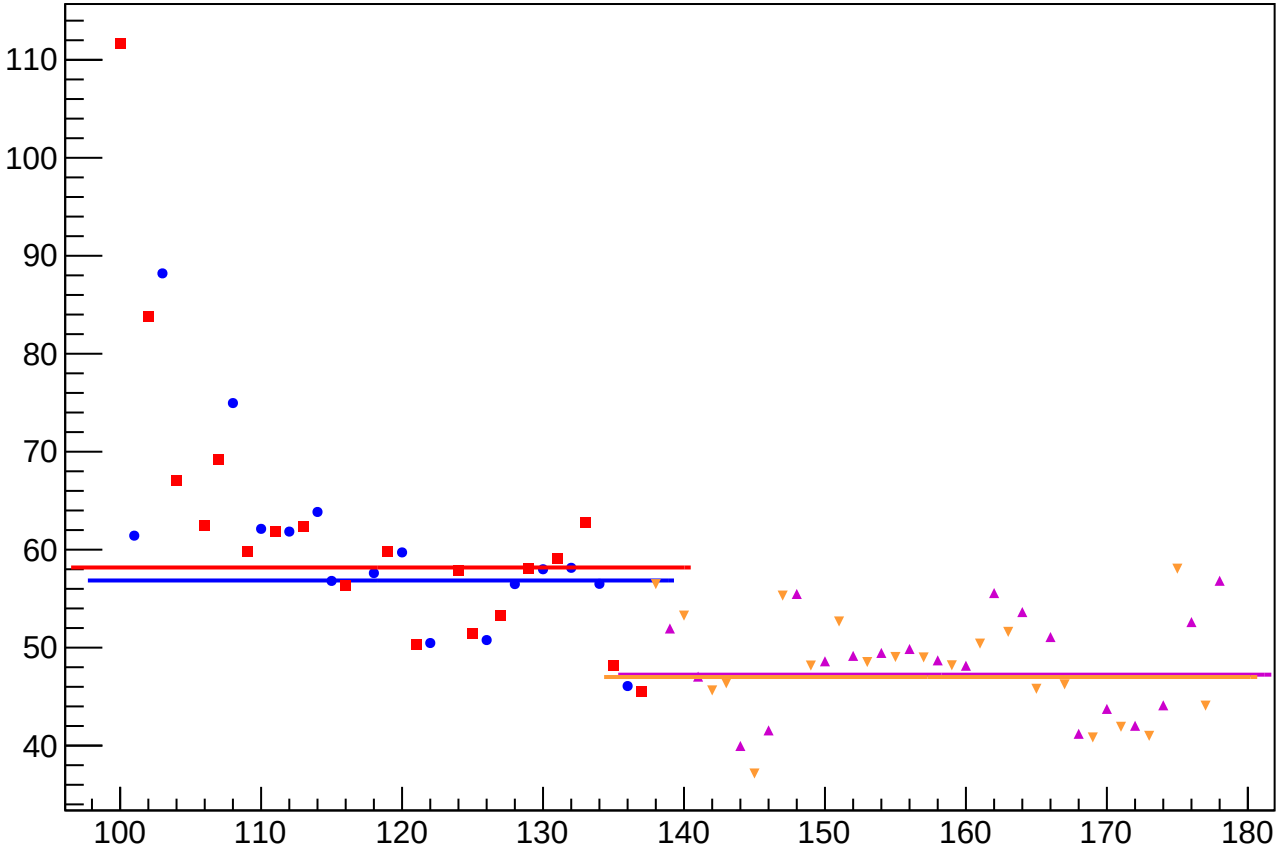
Left In: 22.346+/-11.820 χ^2/NDF:23.5/19

\+ sign -7.557+/-10.231 χ^2/NDF: 58.8/36

All: 3.551+/-7.283 χ^2/NDF: 106.7/75

\- sign 14.964+/-10.371 χ^2/NDF: 45.5/38

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 47.001+/-0.008 χ^2/NDF:428730.9/20

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

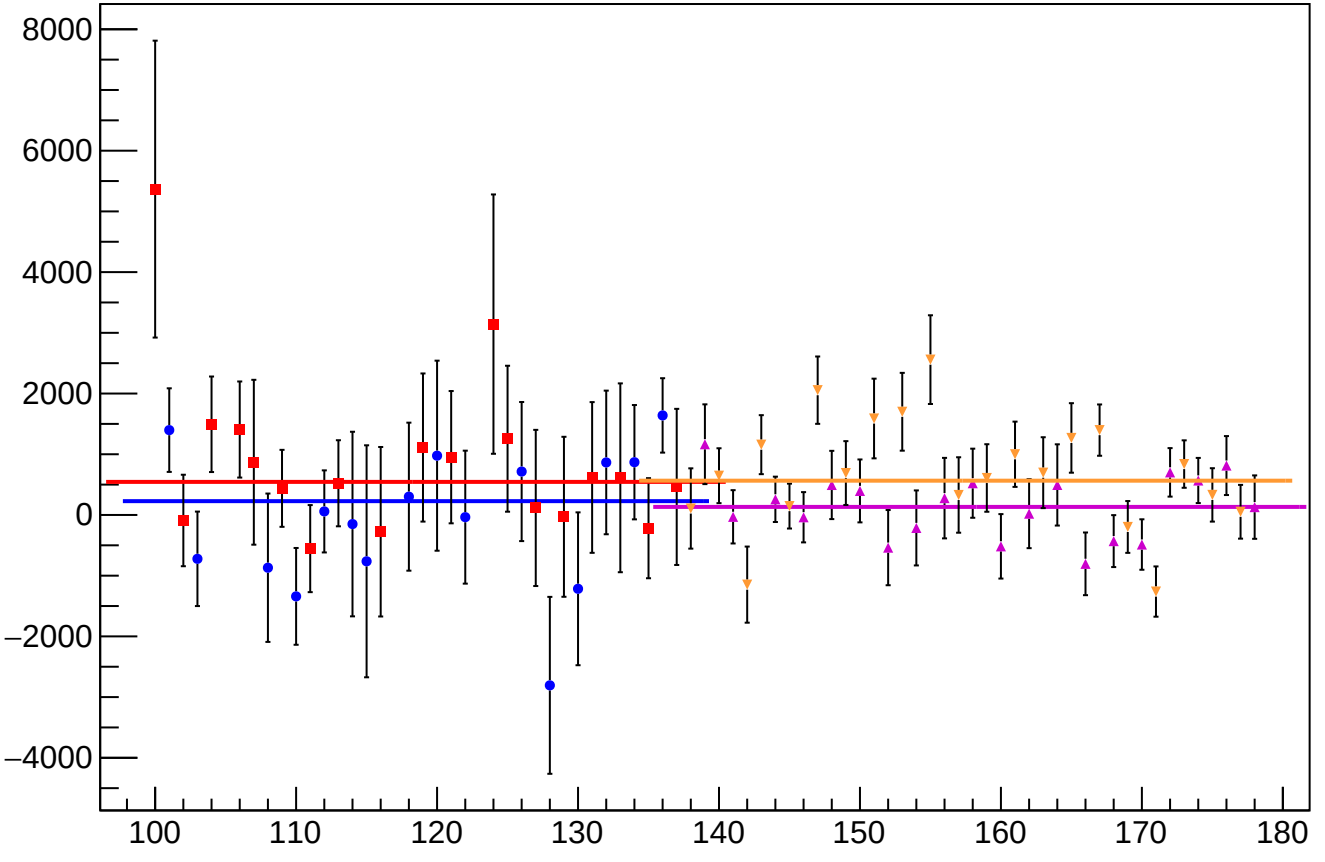
Left In: 47.240+/-0.008 χ^2/NDF:352584.5/19

+ sign 49.237+/-0.007 χ^2/NDF: 1095842.4/36

All: 49.494+/-0.005 χ^2/NDF: 2160112.8/75

- sign 49.758+/-0.007 χ^2/NDF: 1061717.2/38

asym_sam_15_48_dd_reg_correction_mean vs Slug



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 564.621+/-109.246 χ^2/NDF:62.1/20

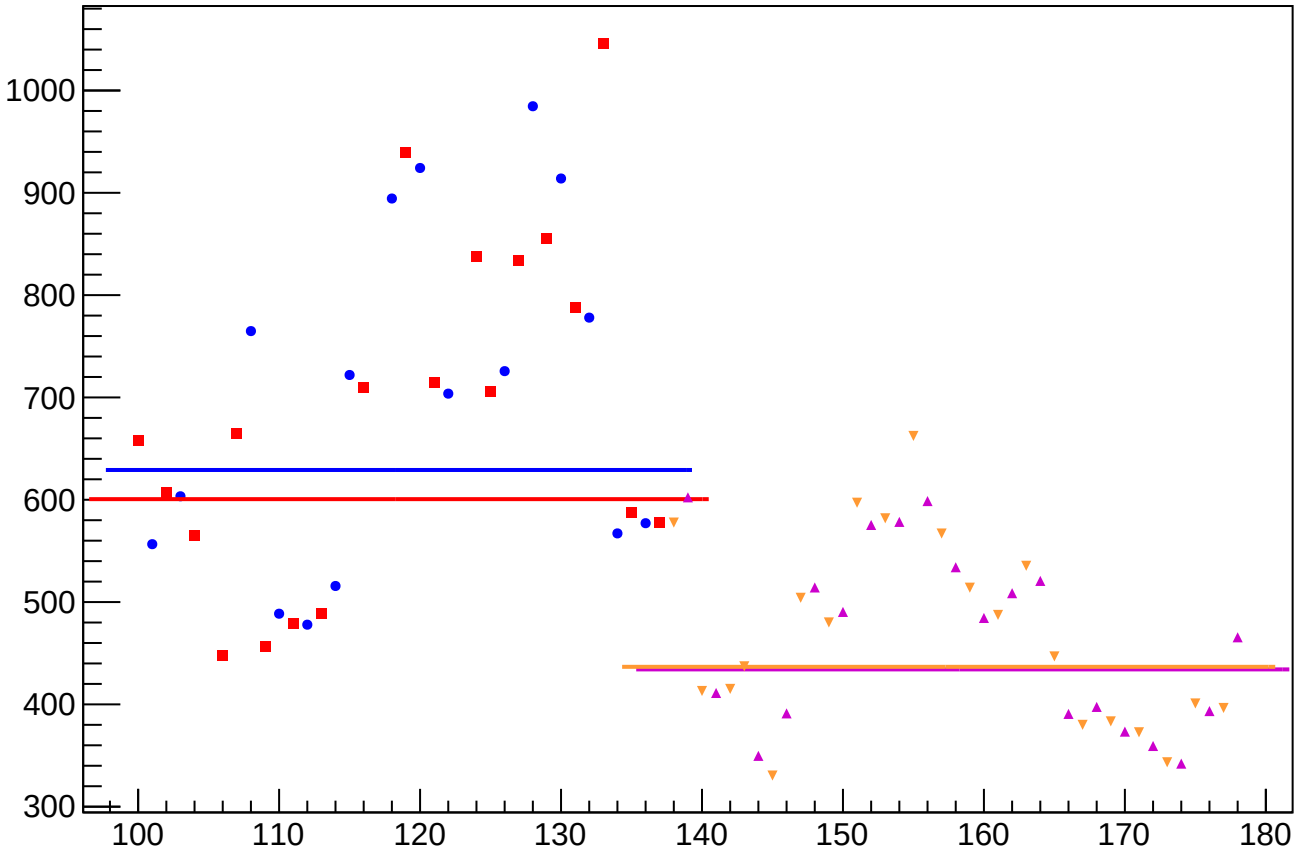
Right Out: 544.769+/-227.243 χ^2/NDF: 13.4/18

Left In: 132.696+/-109.583 χ^2/NDF:20.0/19

+ sign 507.247+/-99.516 χ^2/NDF: 85.3/36

All: 357.631+/-70.080 χ^2/NDF: 125.9/75

- sign 210.442+/-98.705 χ^2/NDF: 36.1/38



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 436.710+/-0.077 χ^2/NDF:1181056.4/20

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

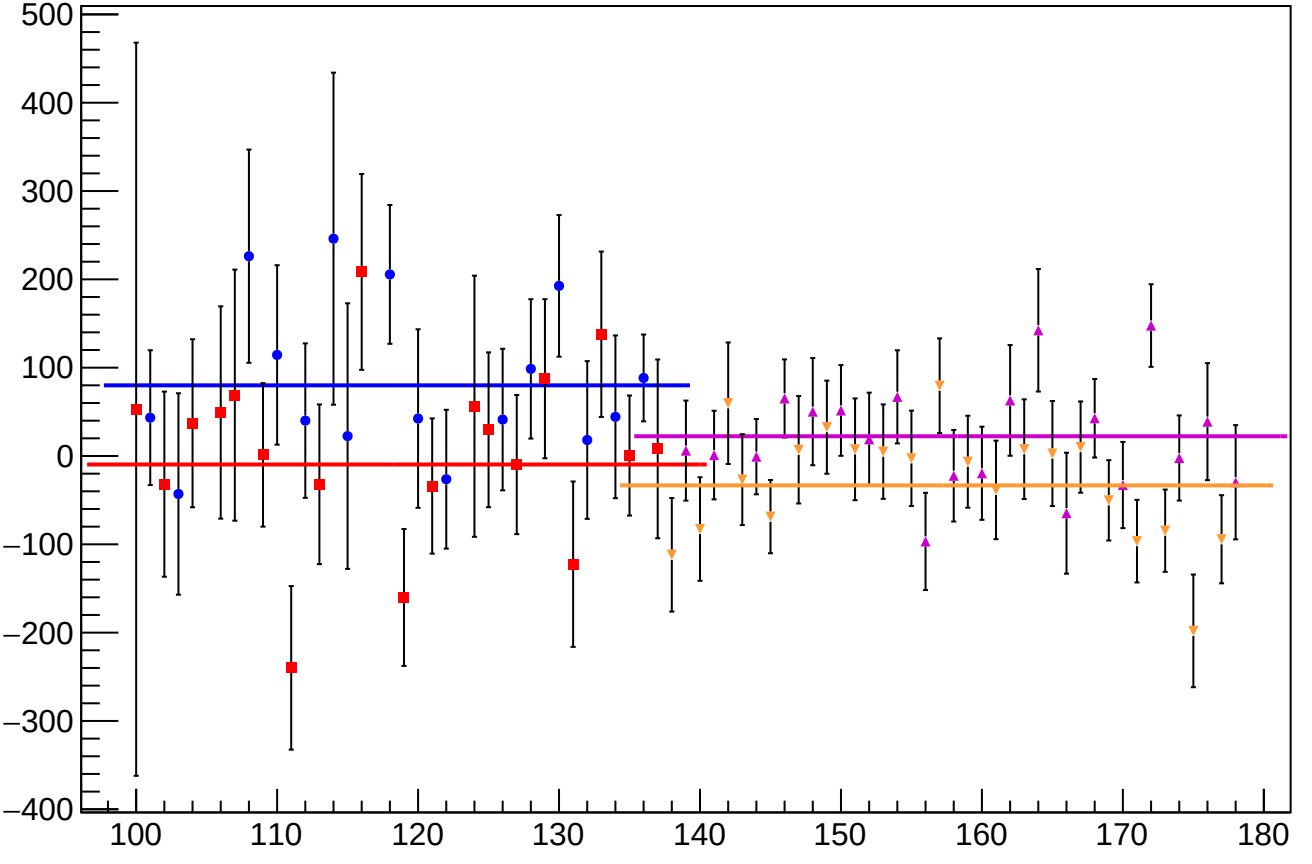
Left In: 434.178+/-0.077 χ^2/NDF:1093639.8/19

+ sign 469.452+/-0.070 χ^2/NDF: 2929405.0/36

All: 467.498+/-0.050 χ^2/NDF: 5769420.9/75

- sign 465.575+/-0.070 χ^2/NDF: 2838485.6/38

cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -33.270+/-11.637 χ^2/NDF:25.8/20

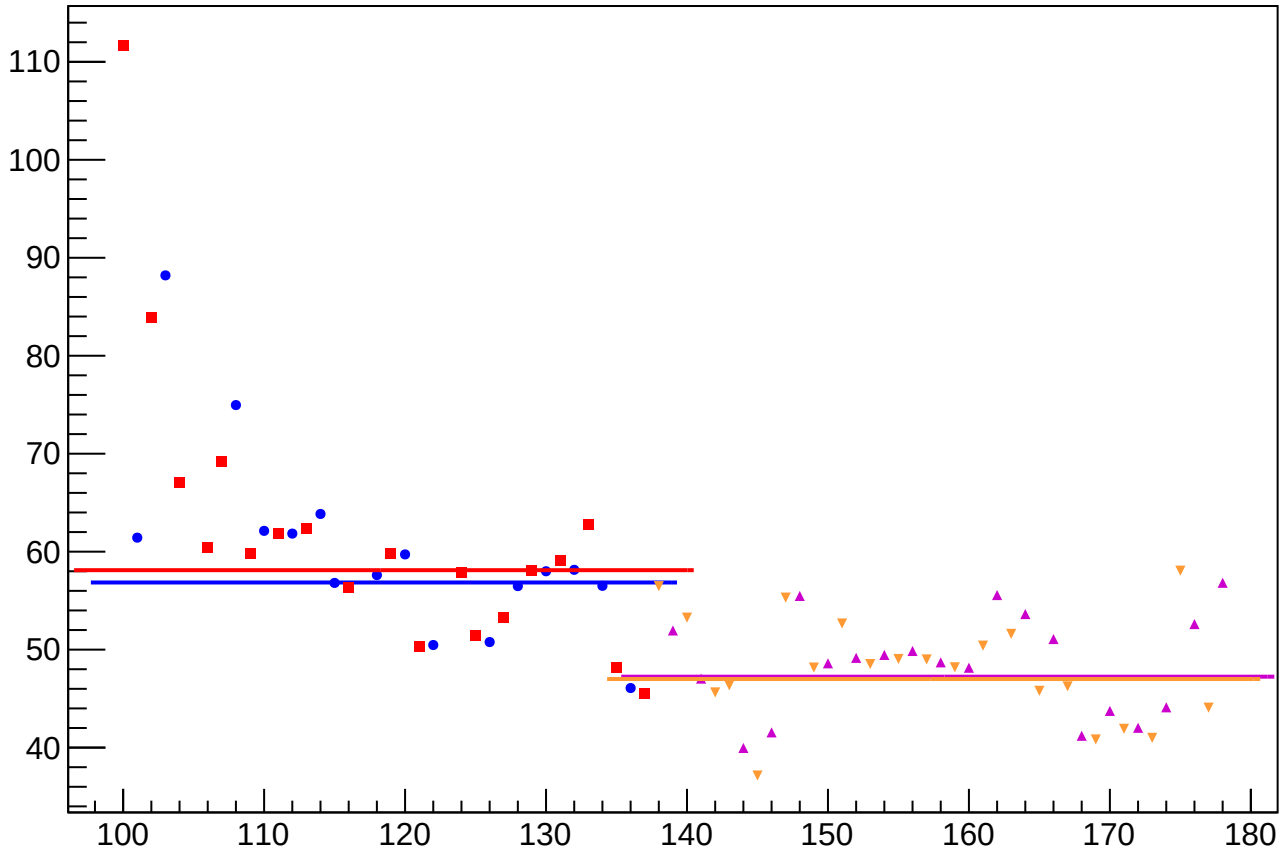
Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: 22.347+/-11.820 χ^2/NDF:23.5/19

+ sign -7.559+/-10.231 χ^2/NDF: 58.8/36

All: 3.565+/-7.284 χ^2/NDF: 106.8/75

- sign 14.997+/-10.372 χ^2/NDF: 45.6/38



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 47.001+/-0.008 χ^2/NDF:428730.9/20

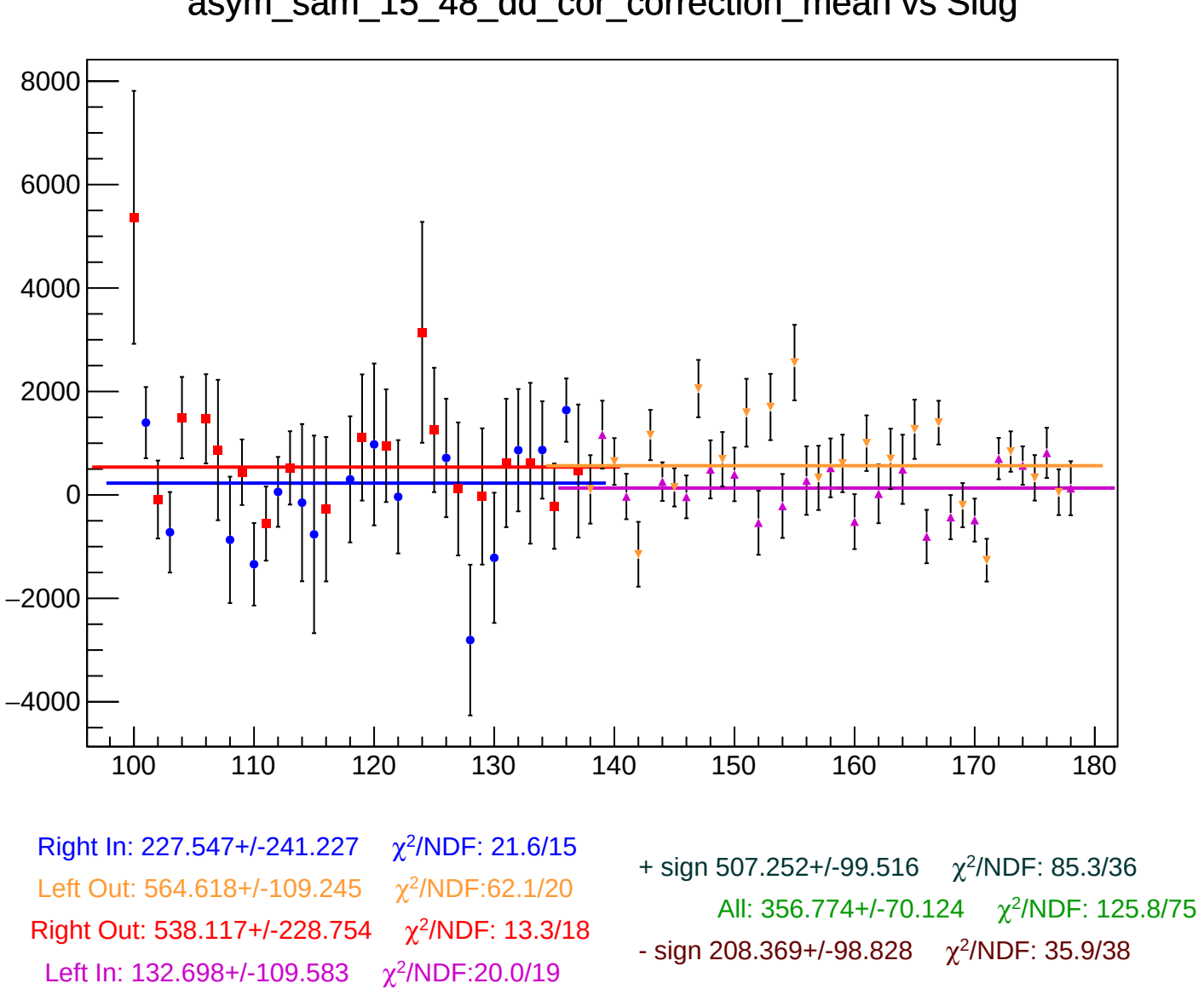
Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 47.240+/-0.008 χ^2/NDF:352584.5/19

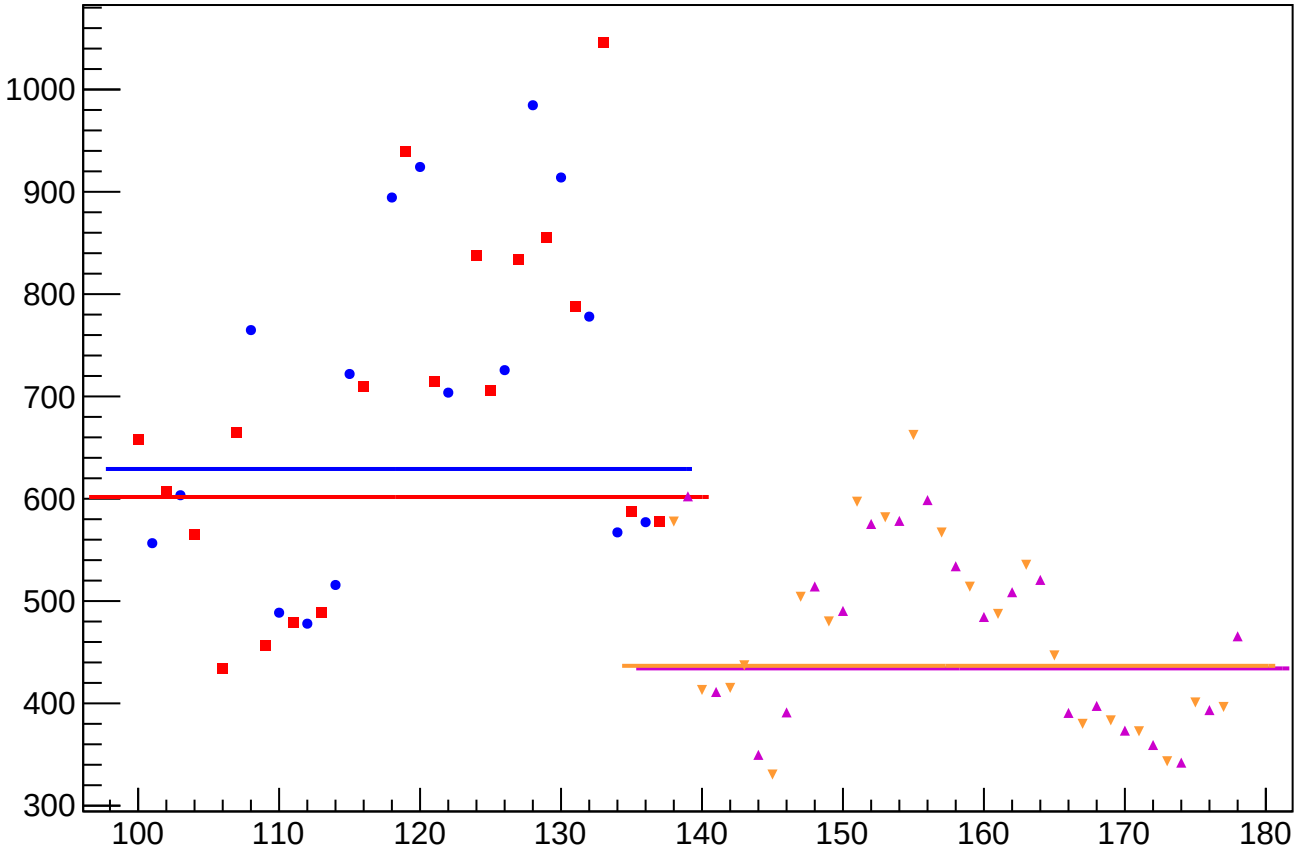
+ sign 49.237+/-0.007 χ^2/NDF: 1095846.5/36

All: 49.485+/-0.005 χ^2/NDF: 2152754.7/75

- sign 49.739+/-0.007 χ^2/NDF: 1054535.6/38


asym_sam_15_48_dd_cor_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
180
Right In: 227.547+/-241.227 χ²/NDF: 21.6/15
Left Out: 564.618+/-109.245 χ²/NDF:62.1/20
Right Out: 538.117+/-228.754 χ²/NDF: 13.3/18
Left In: 132.698+/-109.583 χ²/NDF:20.0/19
+ sign 507.252+/-99.516 χ²/NDF: 85.3/36
All: 356.774+/-70.124 χ²/NDF: 125.8/75
- sign 208.369+/-98.828 χ²/NDF: 35.9/38

asym_sam_15_48_dd_cor_correction_rms vs Slug



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 436.710+/-0.077 χ^2/NDF:1181056.6/20

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

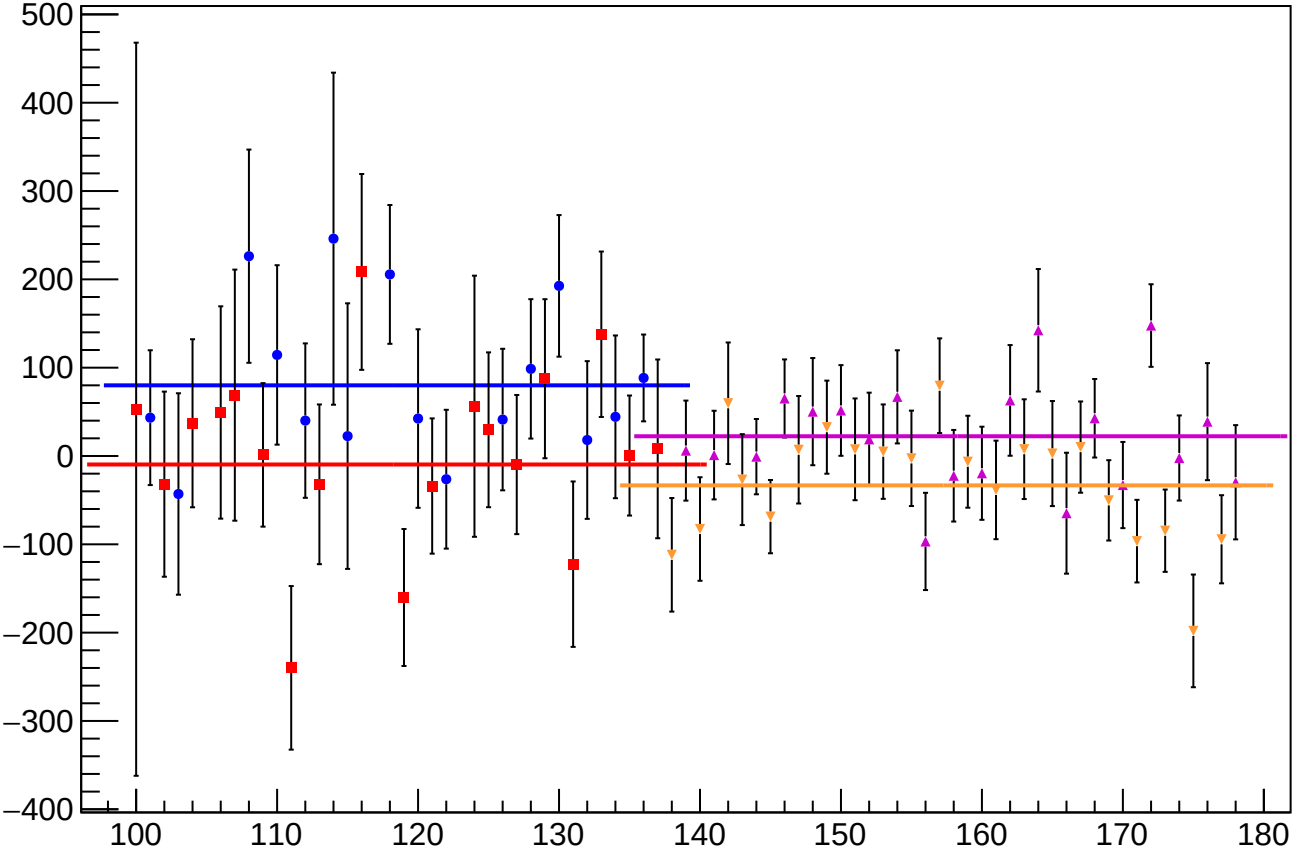
Left In: 434.178+/-0.077 χ^2/NDF:1093639.6/19

+ sign 469.453+/-0.070 χ^2/NDF: 2929437.6/36

All: 467.437+/-0.050 χ^2/NDF: 5771360.5/75

- sign 465.450+/-0.070 χ^2/NDF: 2840293.5/38

eigen_cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -33.270+/-11.637 χ^2/NDF:25.8/20

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

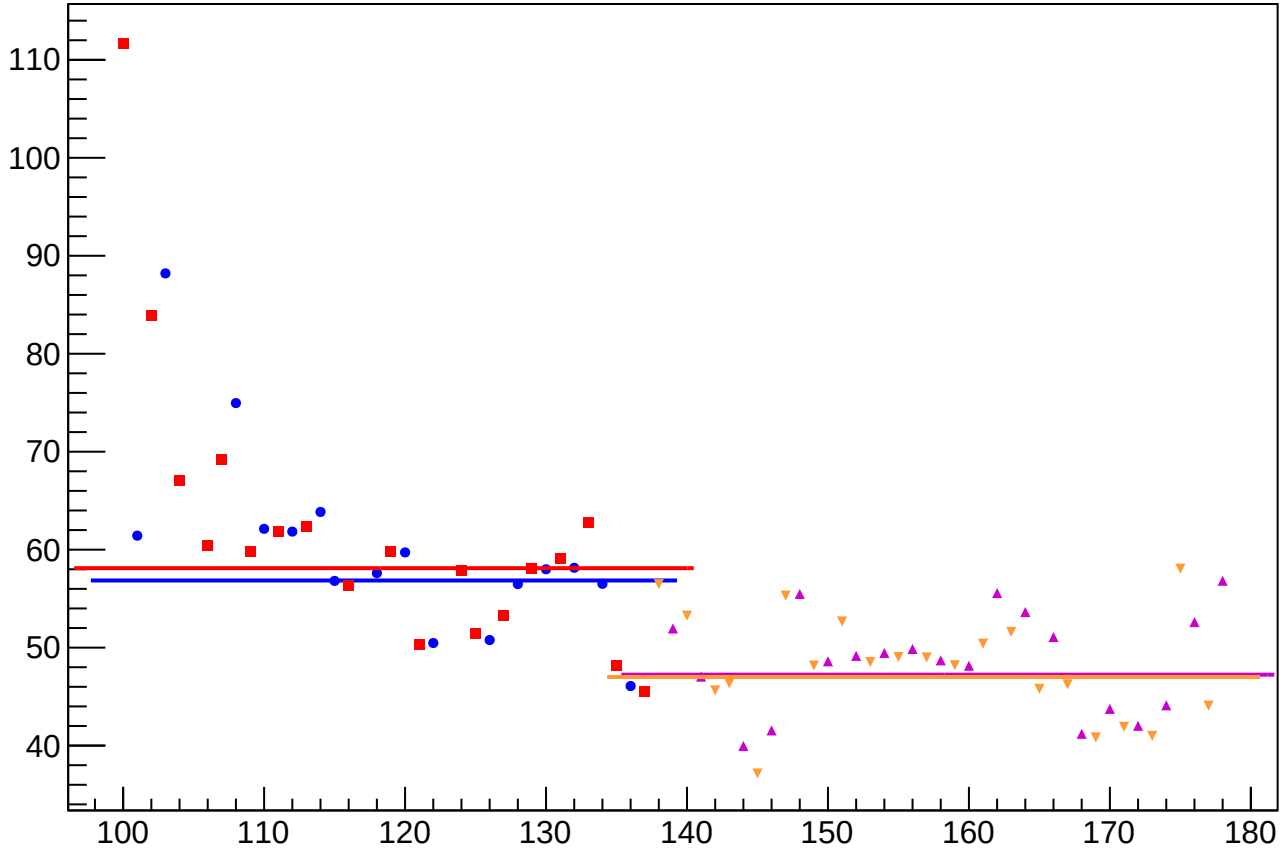
Left In: 22.347+/-11.820 χ^2/NDF:23.5/19

+ sign -7.559+/-10.231 χ^2/NDF: 58.8/36

All: 3.565+/-7.284 χ^2/NDF: 106.8/75

- sign 14.997+/-10.372 χ^2/NDF: 45.6/38

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 47.001+/-0.008 χ^2/NDF:428730.9/20

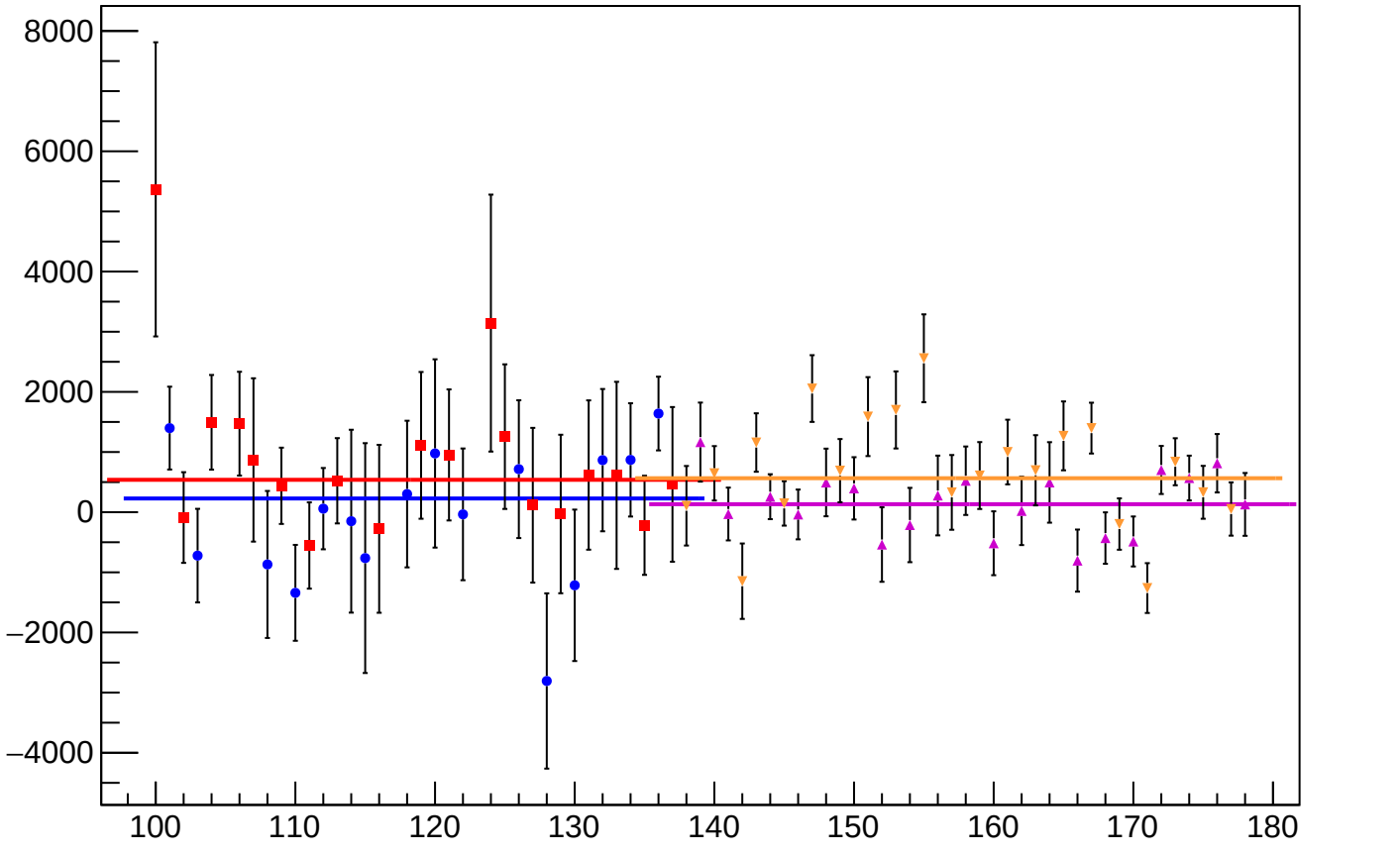
Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 47.240+/-0.008 χ^2/NDF:352584.5/19

+ sign 49.237+/-0.007 χ^2/NDF: 1095846.5/36

All: 49.485+/-0.005 χ^2/NDF: 2152754.7/75

- sign 49.739+/-0.007 χ^2/NDF: 1054535.6/38



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 564.618+/-109.245 χ^2/NDF:62.1/20

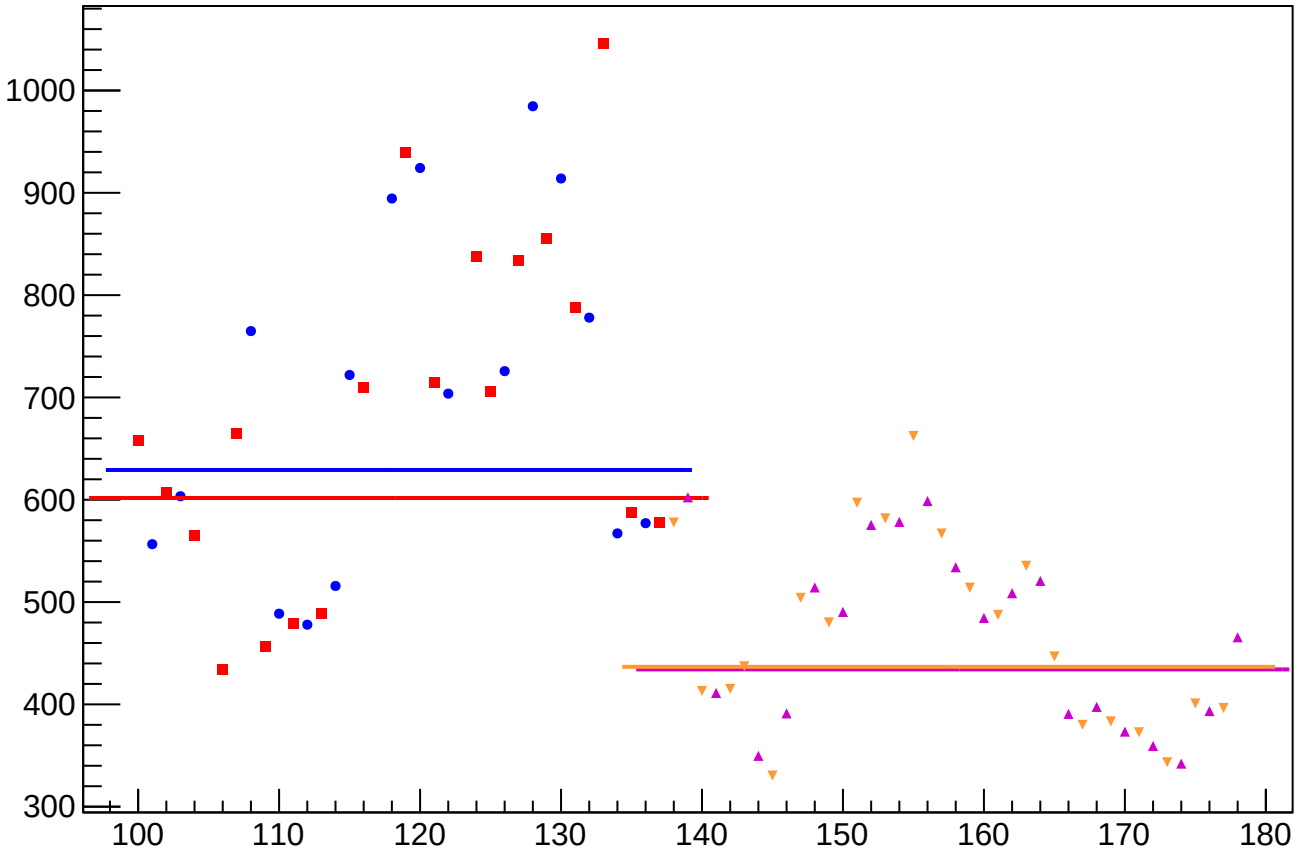
Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: 132.698+/-109.583 χ^2/NDF:20.0/19

+ sign 507.252+/-99.516 χ^2/NDF: 85.3/36

All: 356.774+/-70.124 χ^2/NDF: 125.8/75

- sign 208.369+/-98.828 χ^2/NDF: 35.9/38



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 436.710+/-0.077 χ^2/NDF:1181056.6/20

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

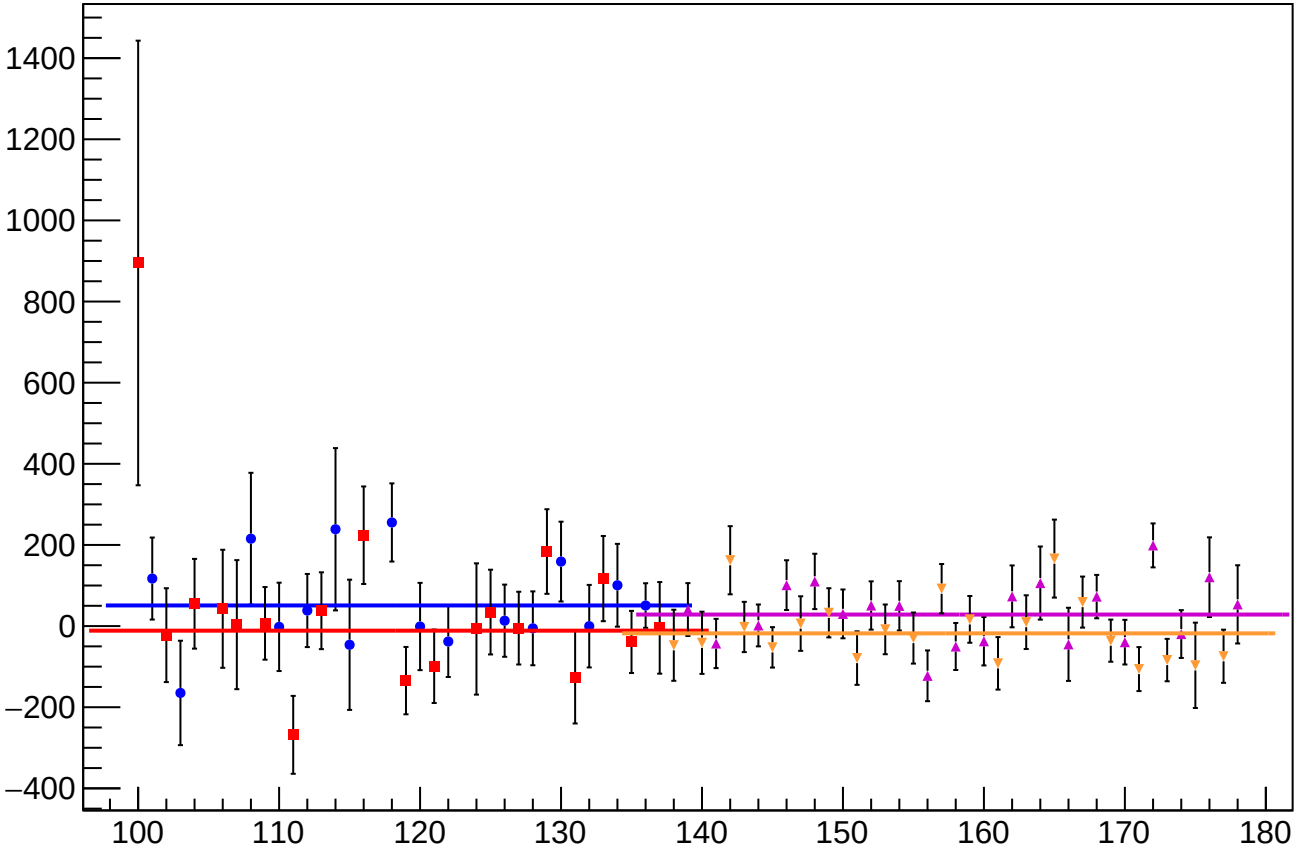
Left In: 434.178+/-0.077 χ^2/NDF:1093639.6/19

+ sign 469.453+/-0.070 χ^2/NDF: 2929437.6/36

All: 467.437+/-0.050 χ^2/NDF: 5771360.5/75

- sign 465.450+/-0.070 χ^2/NDF: 2840293.5/38

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: -17.929+/-13.938 χ^2/NDF:23.0/20

Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

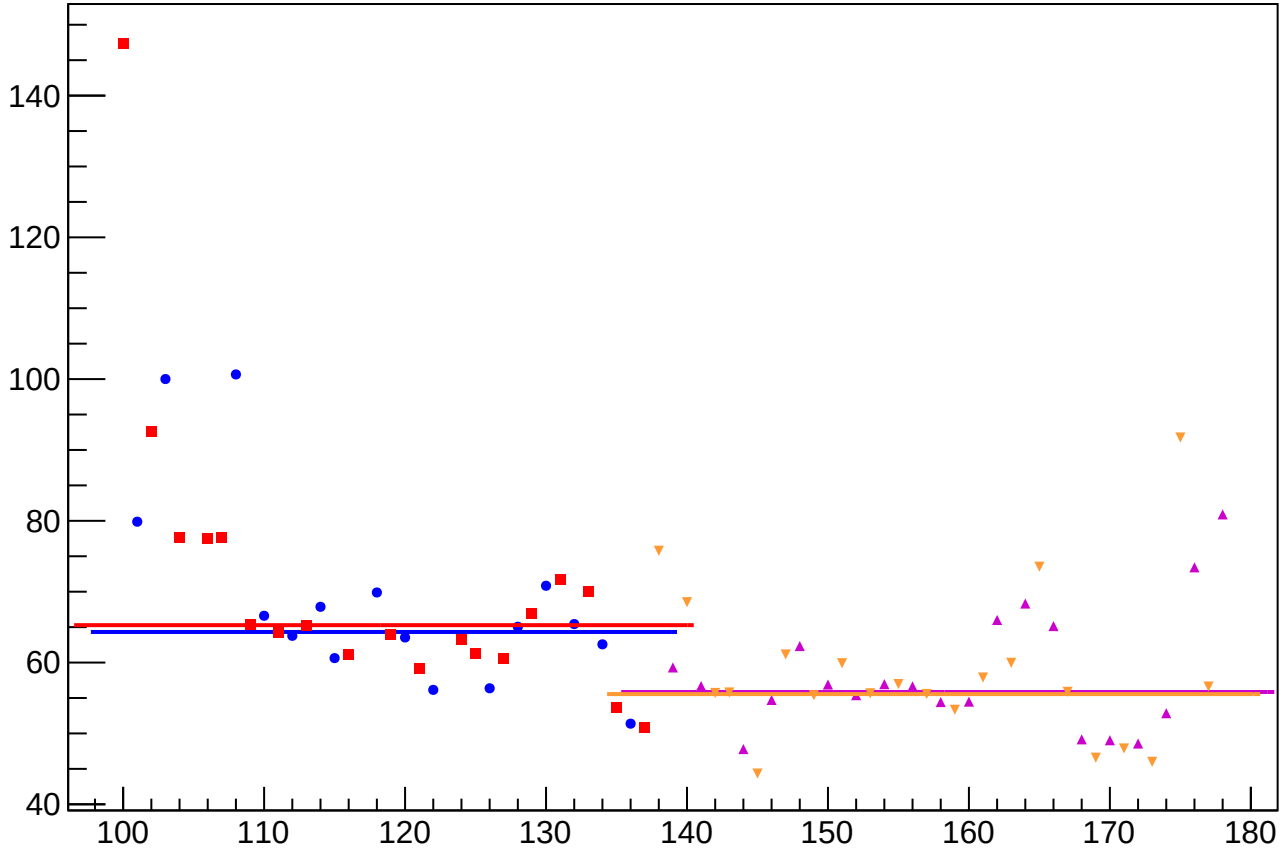
Left In: 28.438+/-14.192 χ^2/NDF:29.2/19

+ sign -1.101+/-12.114 χ^2/NDF: 42.8/36

All: 8.512+/-8.616 χ^2/NDF: 99.2/75

- sign 18.356+/-12.258 χ^2/NDF: 55.2/38

dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 55.552+/-0.010 χ^2/NDF:777424.8/20

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

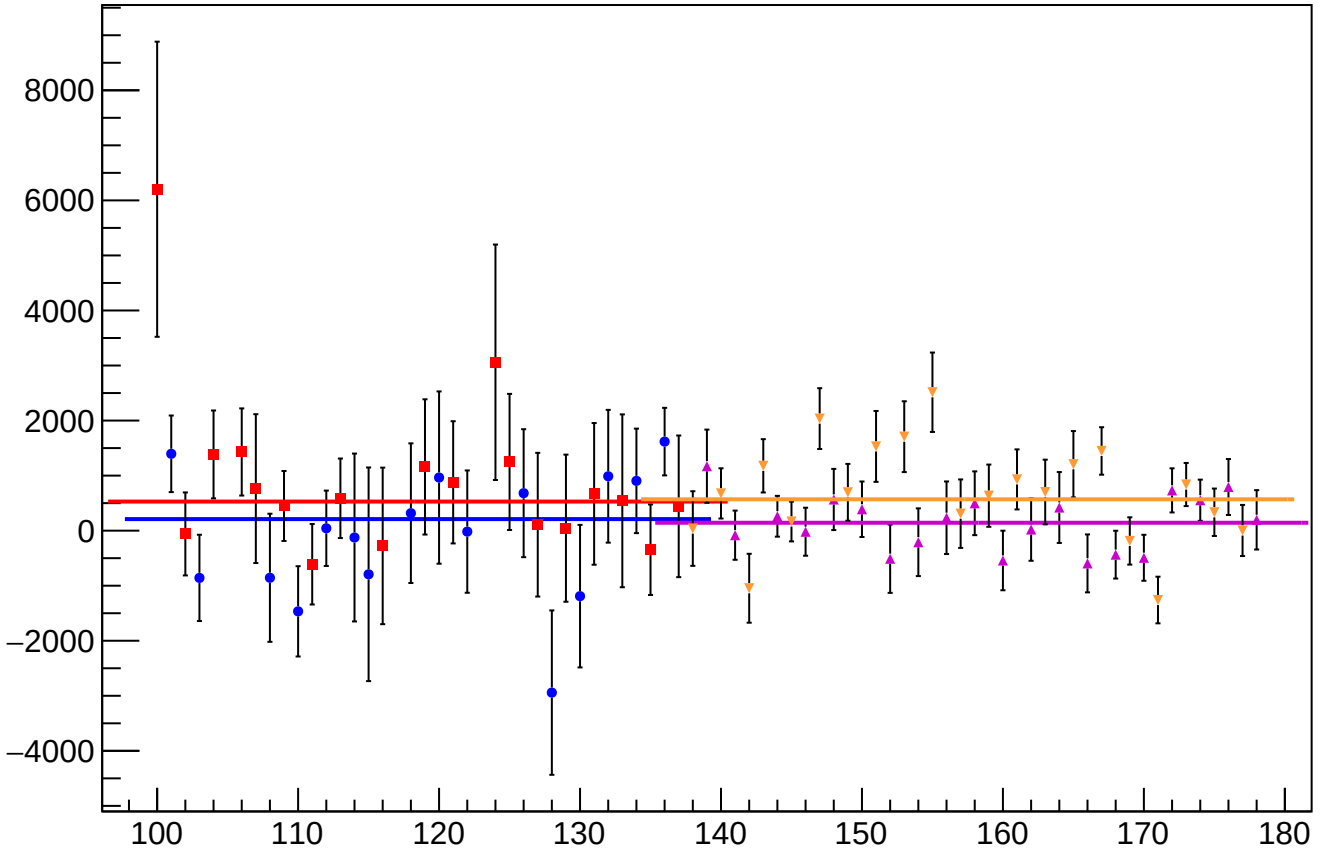
Left In: 55.848+/-0.010 χ^2/NDF:474926.0/19

+ sign 57.696+/-0.009 χ^2/NDF: 1435876.5/36

All: 57.966+/-0.006 χ^2/NDF: 2456179.1/75

- sign 58.243+/-0.009 χ^2/NDF: 1018288.5/38

asym_sam_15_48_dd_dit_correction_mean vs Slug



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 569.476+/-109.855 χ^2/NDF:59.9/20

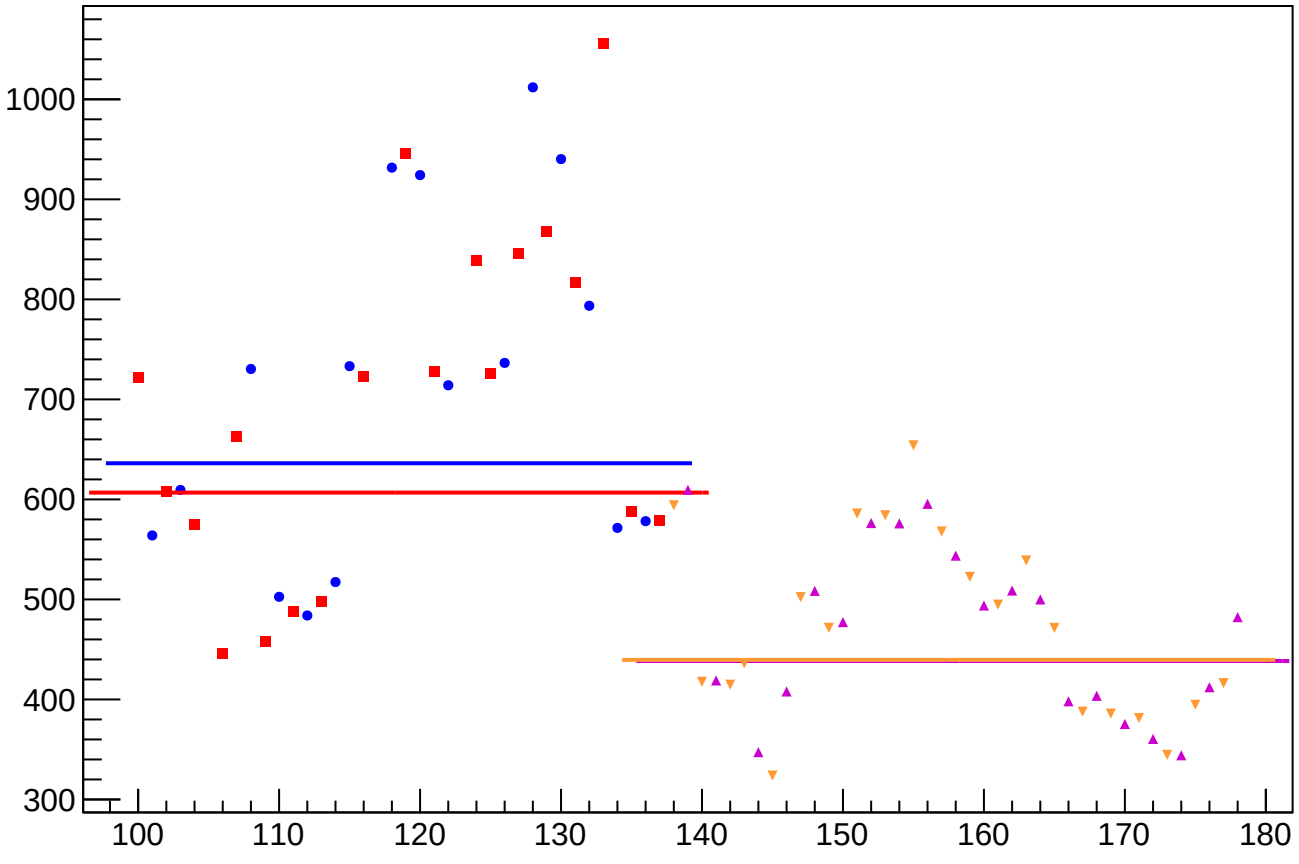
Right Out: 528.675+/-229.679 χ^2/NDF: 13.8/18

Left In: 143.589+/-110.588 χ^2/NDF:18.4/19

\+ sign 508.810+/-100.157 χ^2/NDF: 84.1/36

All: 361.679+/-70.638 χ^2/NDF: 122.9/75

\- sign 216.062+/-99.640 χ^2/NDF: 34.5/38



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 439.550+/-0.078 χ^2/NDF:1184779.7/20

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

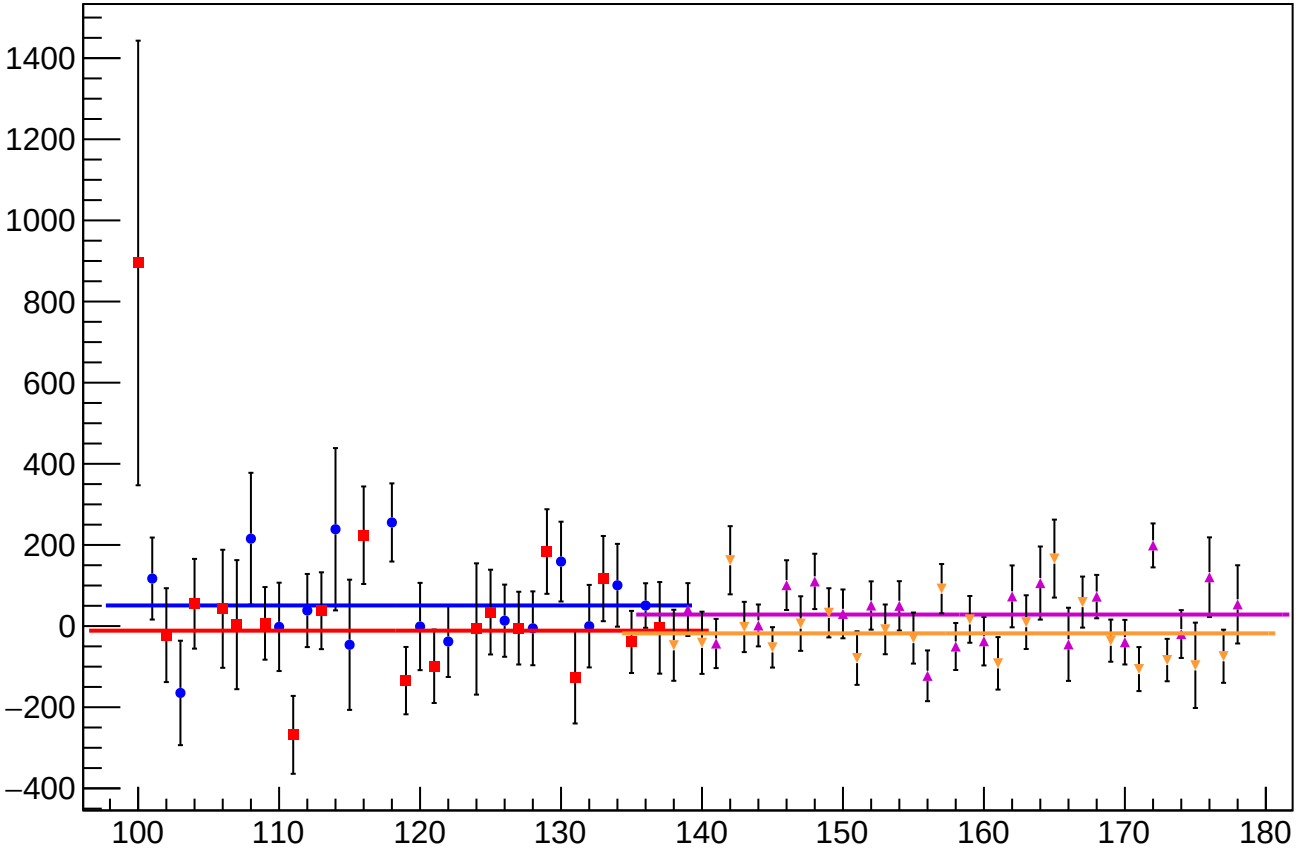
Left In: 438.428+/-0.078 χ^2/NDF:1050446.3/19

+ sign 472.730+/-0.071 χ^2/NDF: 2971030.2/36

All: 471.416+/-0.050 χ^2/NDF: 5788592.6/75

- sign 470.116+/-0.070 χ^2/NDF: 2816878.0/38

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: -17.929+/-13.938 χ^2/NDF:23.0/20

Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

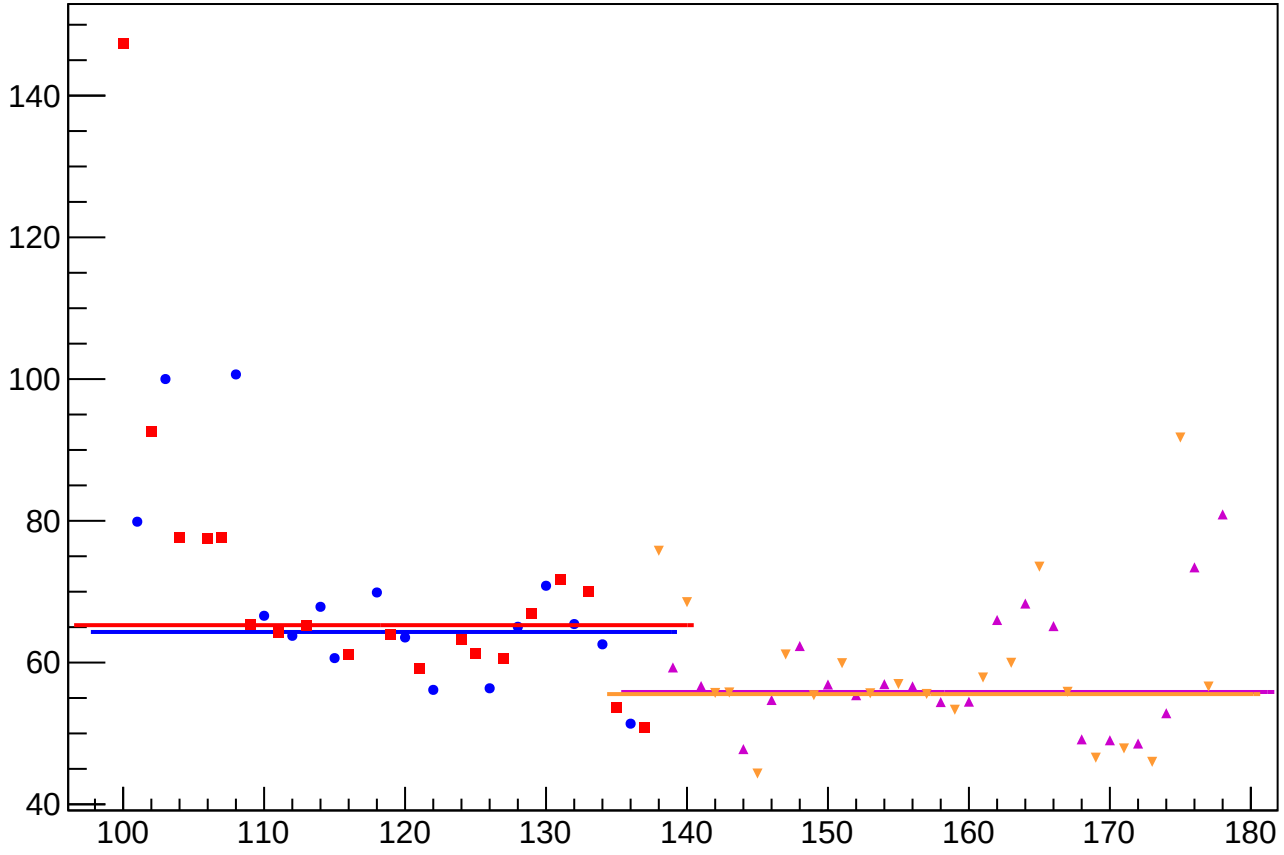
Left In: 28.438+/-14.192 χ^2/NDF:29.2/19

+ sign -1.102+/-12.114 χ^2/NDF: 42.8/36

All: 8.512+/-8.616 χ^2/NDF: 99.2/75

- sign 18.356+/-12.258 χ^2/NDF: 55.2/38

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 55.552+/-0.010 χ^2/NDF:777413.0/20

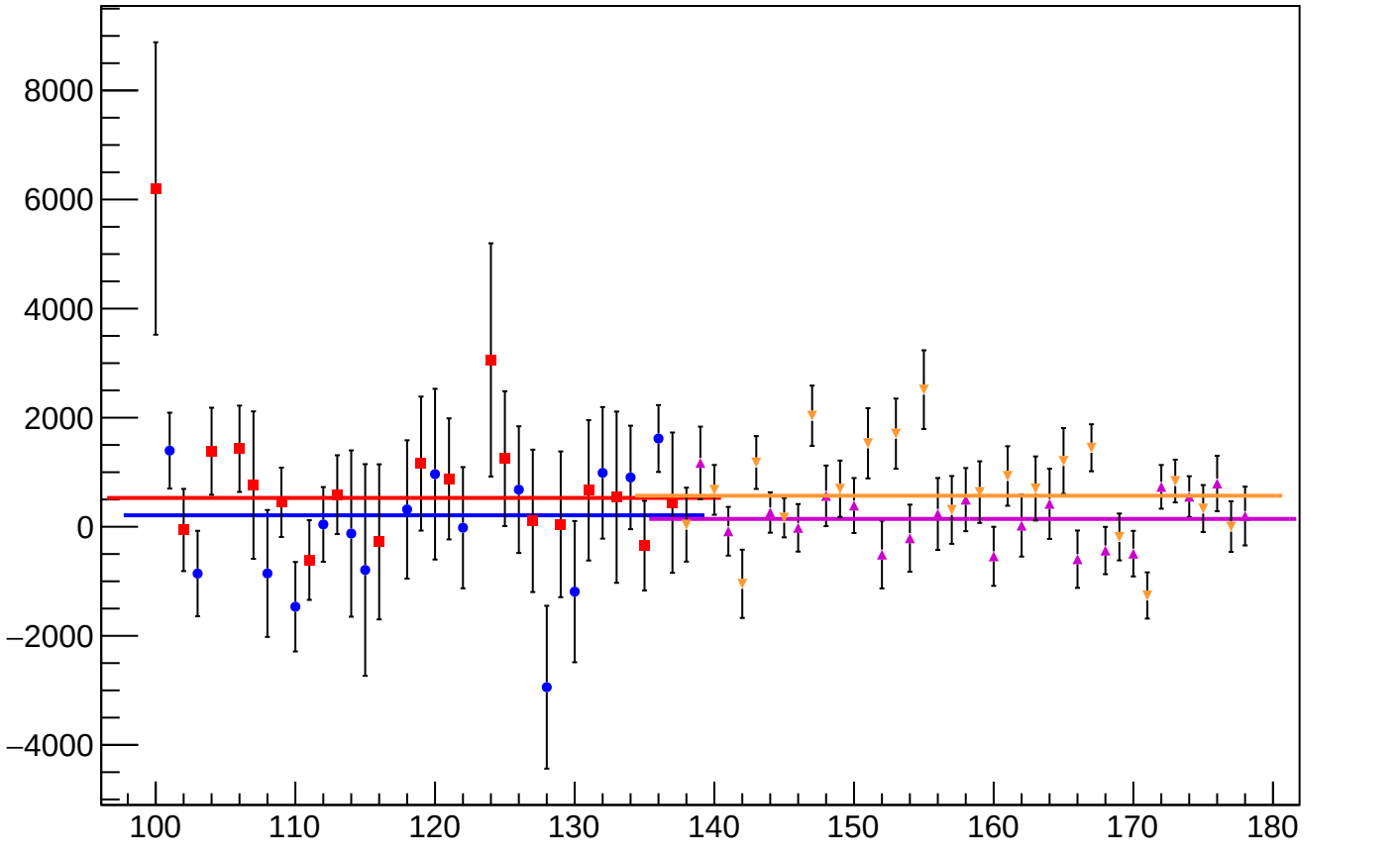
Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 55.848+/-0.010 χ^2/NDF:474920.5/19

+ sign 57.696+/-0.009 χ^2/NDF: 1435854.2/36

All: 57.966+/-0.006 χ^2/NDF: 2456145.4/75

- sign 58.243+/-0.009 χ^2/NDF: 1018277.5/38



Right In: 210.017+/-243.798 χ^2/NDF: 22.4/15

Left Out: 569.476+/-109.855 χ^2/NDF:59.9/20

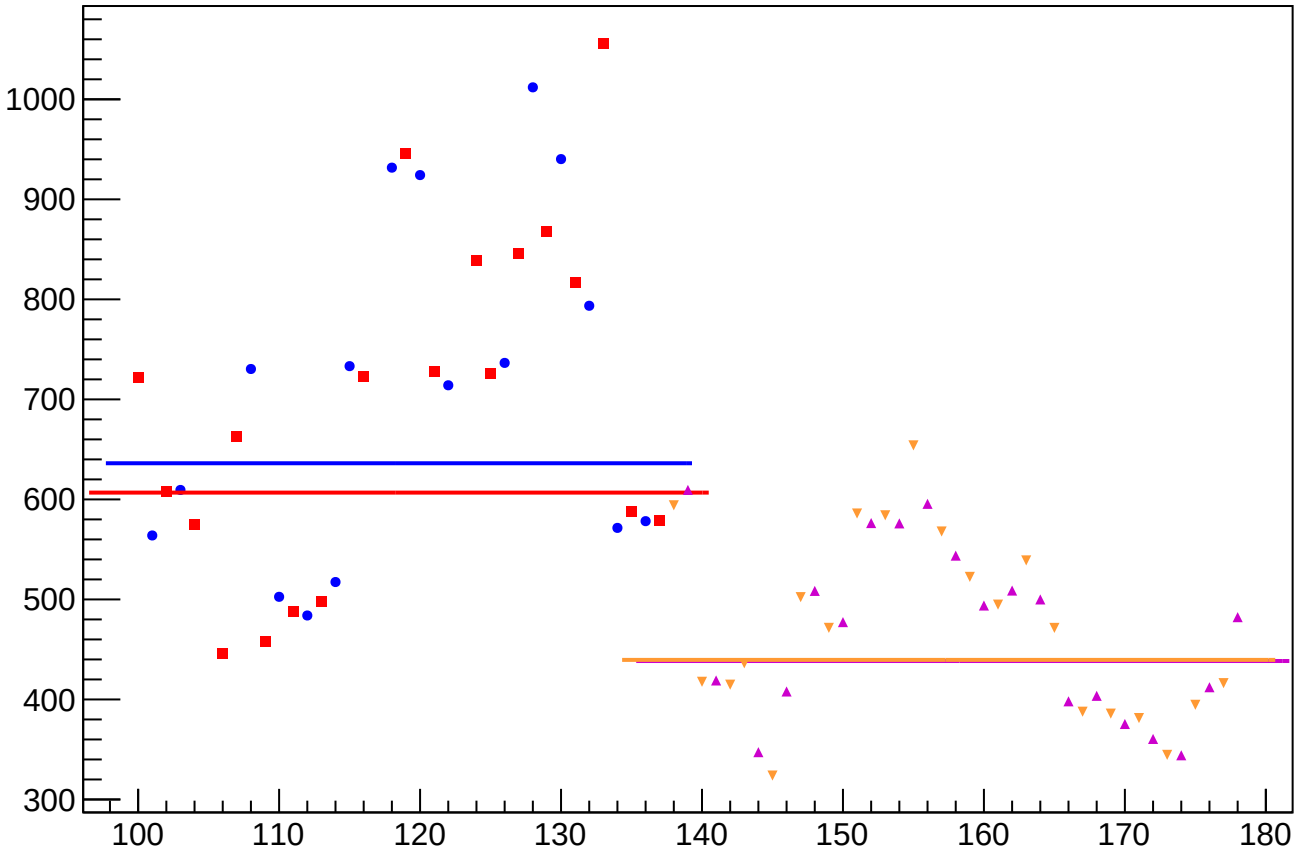
Right Out: 528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: 143.588+/-110.588 χ^2/NDF:18.4/19

\+ sign 508.809+/-100.157 χ^2/NDF: 84.1/36

All: 361.678+/-70.638 χ^2/NDF: 122.9/75

\- sign 216.062+/-99.640 χ^2/NDF: 34.5/38



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 439.549+/-0.078 χ^2/NDF:1184789.1/20

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

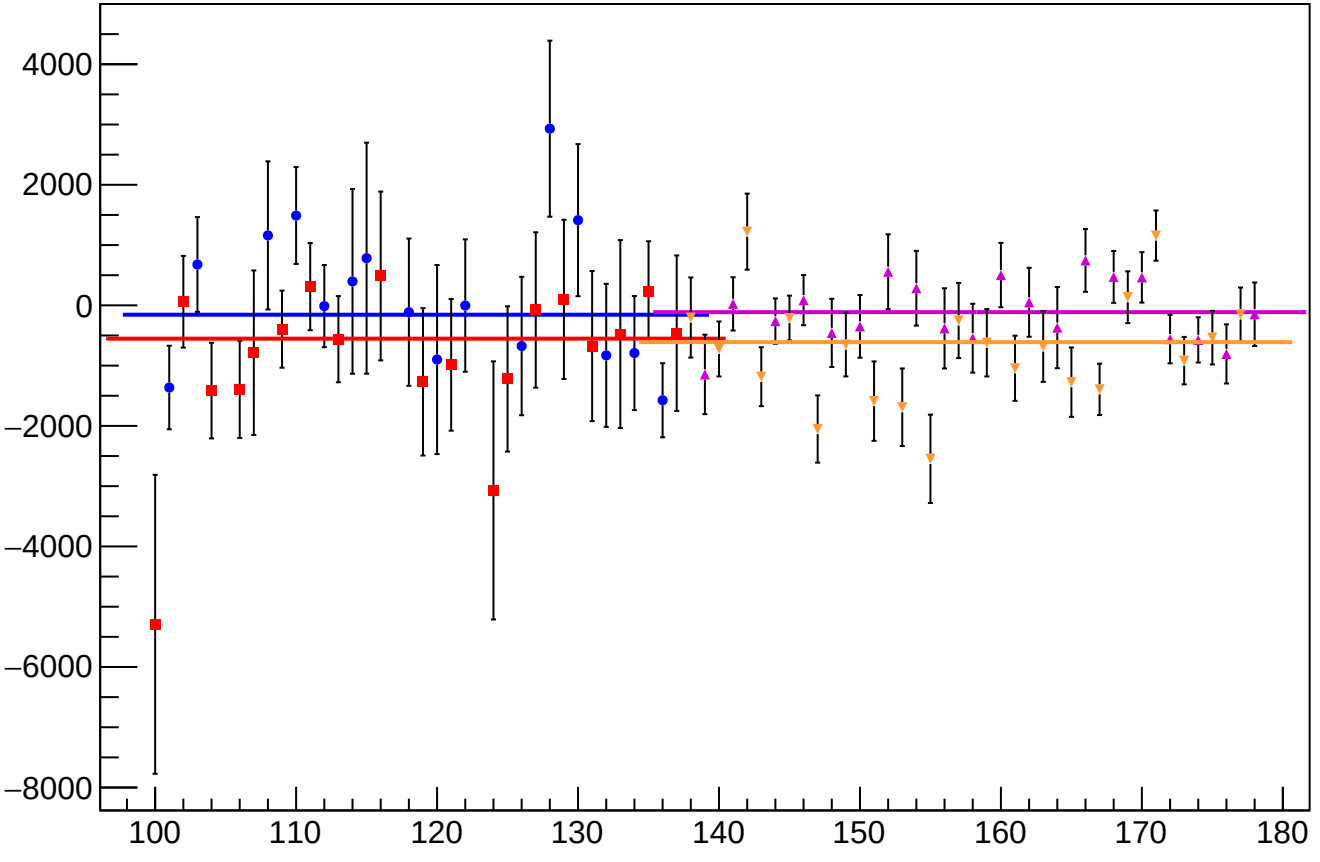
Left In: 438.427+/-0.078 χ^2/NDF:1050453.9/19

+ sign 472.729+/-0.071 χ^2/NDF: 2971048.2/36

All: 471.415+/-0.050 χ^2/NDF: 5788627.7/75

- sign 470.115+/-0.070 χ^2/NDF: 2816895.0/38

asym_sam_15_48_dd_mean vs Slug



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -610.022+/-109.937 χ^2/NDF:58.5/20

Right Out: -552.176+/-228.890 χ^2/NDF: 12.1/18

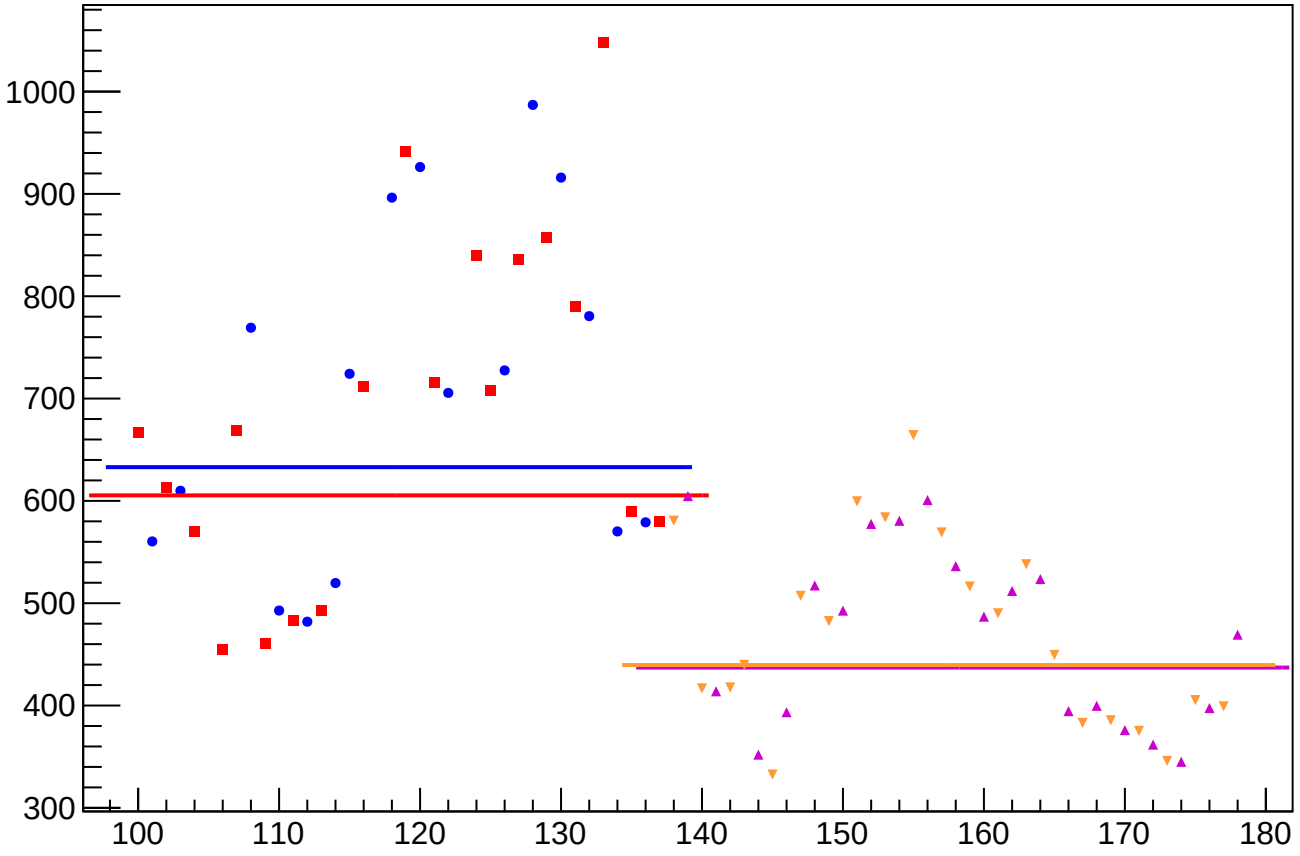
Left In: -113.028+/-110.295 χ^2/NDF:18.6/19

+ sign -532.609+/-100.135 χ^2/NDF: 83.9/36

All: -362.889+/-70.531 χ^2/NDF: 123.3/75

- sign -195.782+/-99.361 χ^2/NDF: 33.7/38

asym_sam_15_48_dd_rms vs Slug



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 439.580+/-0.078 χ^2/NDF:1167095.8/20

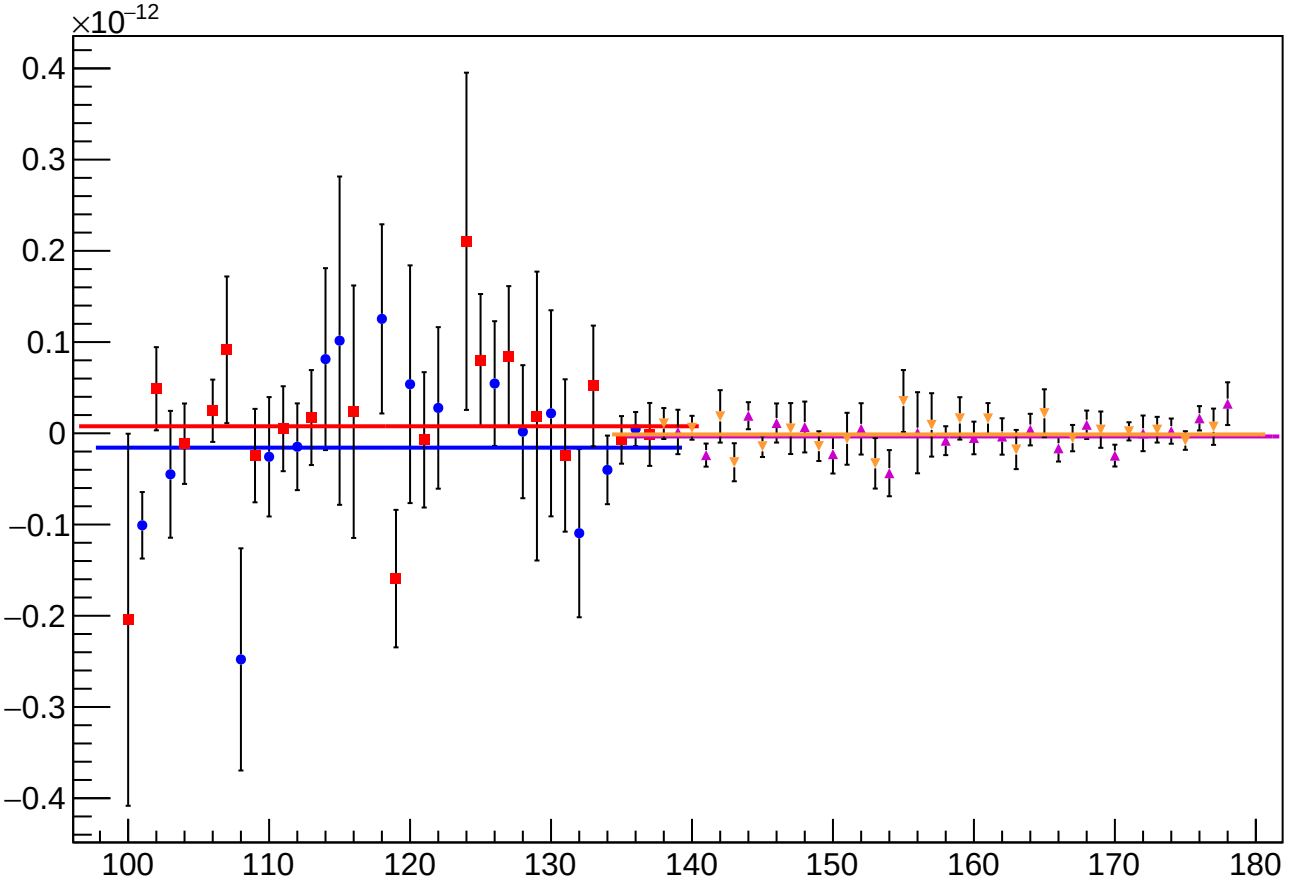
Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 437.104+/-0.078 χ^2/NDF:1079134.3/19

+ sign 472.528+/-0.071 χ^2/NDF: 2902621.9/36

All: 470.656+/-0.050 χ^2/NDF: 5714352.3/75

- sign 468.813+/-0.070 χ^2/NDF: 2810343.4/38



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

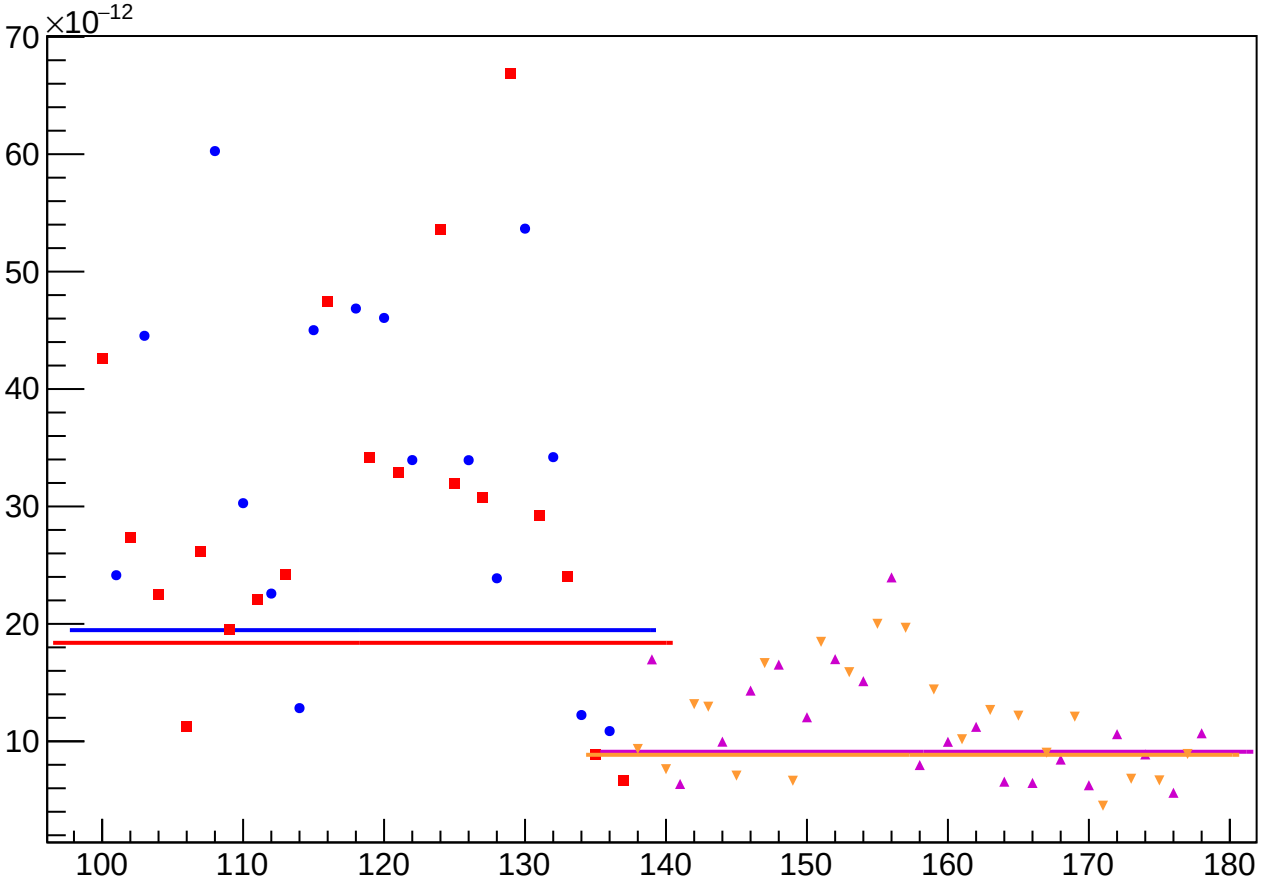
Left In: -0.000+/-0.000 χ^2/NDF:18.7/19

+ sign -0.000+/-0.000 χ^2/NDF: 30.1/36

All: -0.000+/-0.000 χ^2/NDF: 62.5/75

- sign -0.000+/-0.000 χ^2/NDF: 32.4/38

asym_sam_15_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1735565.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1935212.1/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1444777.6/18

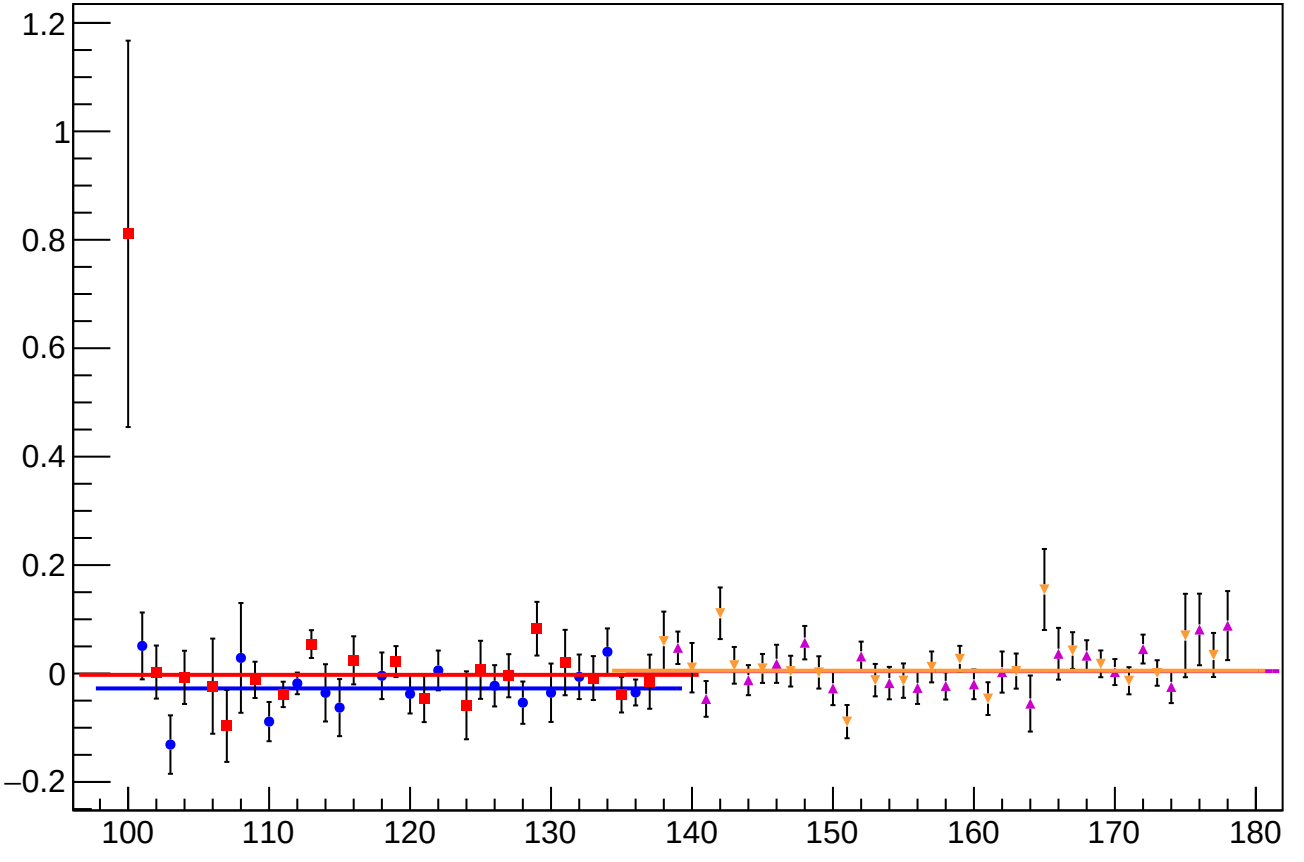
Left In: 0.000+/-0.000 χ^2/NDF:1524220.8/19

+ sign 0.000+/-0.000 χ^2/NDF: 4975749.4/36

All: 0.000+/-0.000 χ^2/NDF: 9005734.2/75

- sign 0.000+/-0.000 χ^2/NDF: 4023955.9/38

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: 0.005+/-0.007 χ^2/NDF:27.2/20

Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

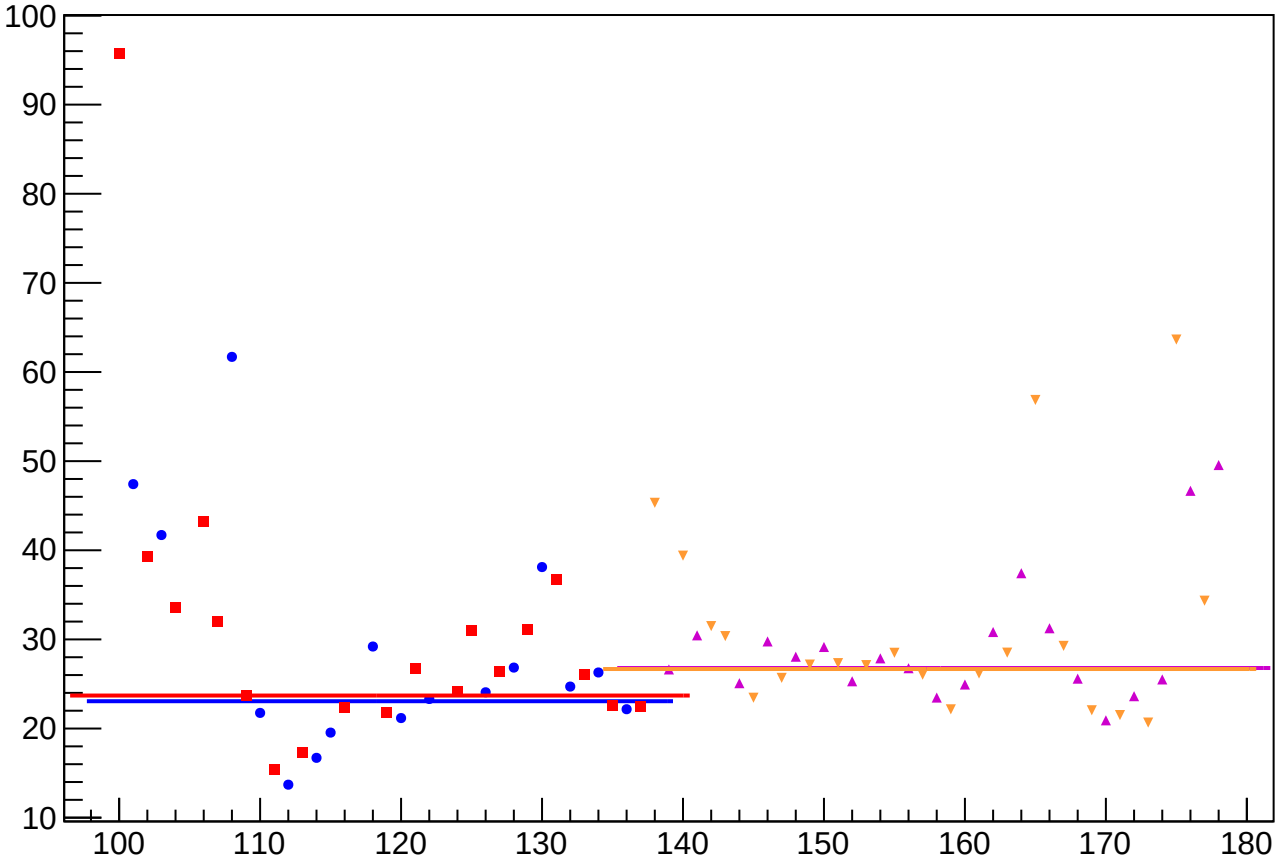
Left In: 0.004+/-0.007 χ^2/NDF:22.7/19

+ sign -0.006+/-0.006 χ^2/NDF: 48.7/36

All: -0.002+/-0.004 χ^2/NDF: 95.0/75

- sign 0.002+/-0.006 χ^2/NDF: 45.2/38

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: 26.679+/-0.005 χ^2/NDF:1709375.4/20

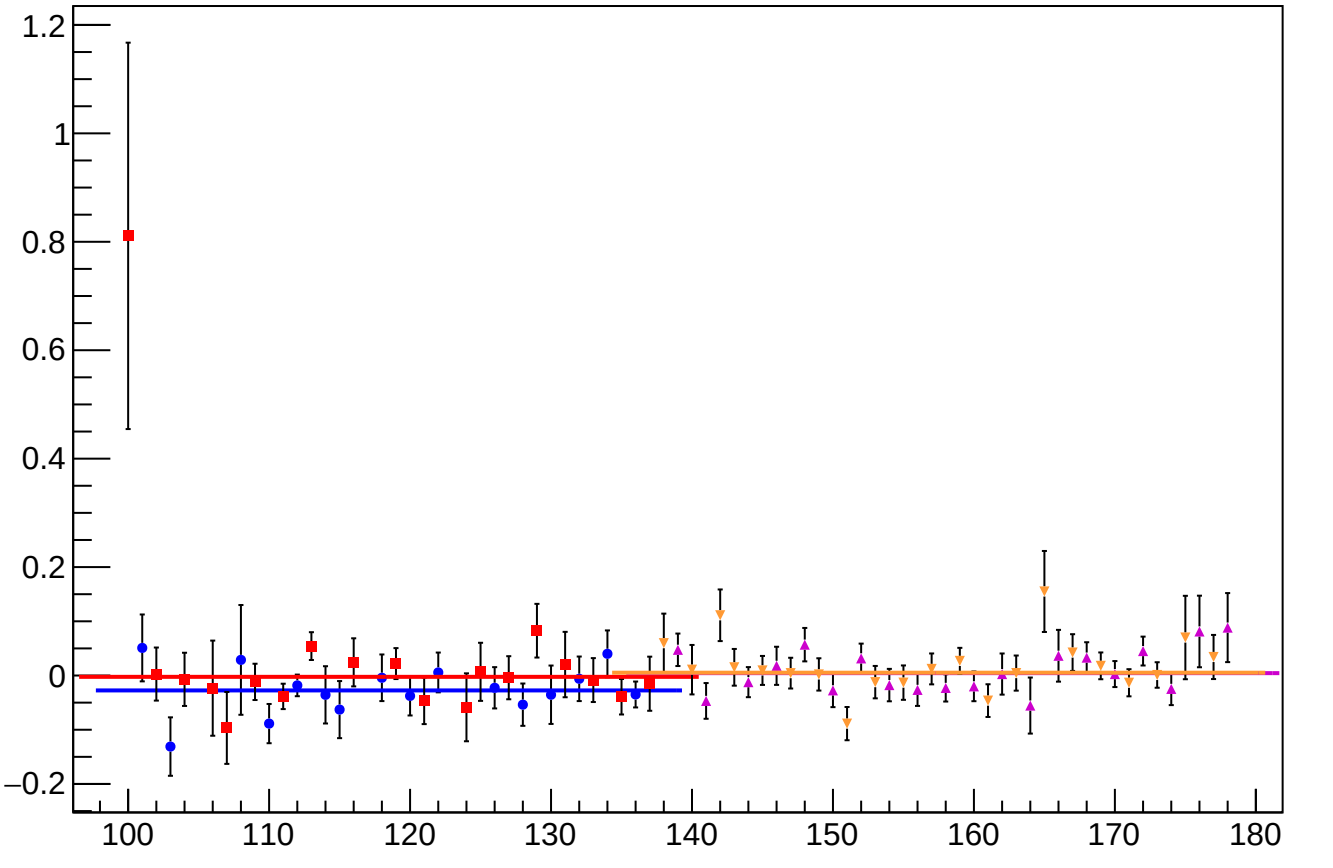
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 26.792+/-0.005 χ^2/NDF:831403.1/19

+ sign 25.411+/-0.004 χ^2/NDF: 3465855.8/36

All: 25.538+/-0.003 χ^2/NDF: 5528531.6/75

- sign 25.668+/-0.004 χ^2/NDF: 2060553.5/38



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.005+/-0.007 χ^2/NDF:27.2/20

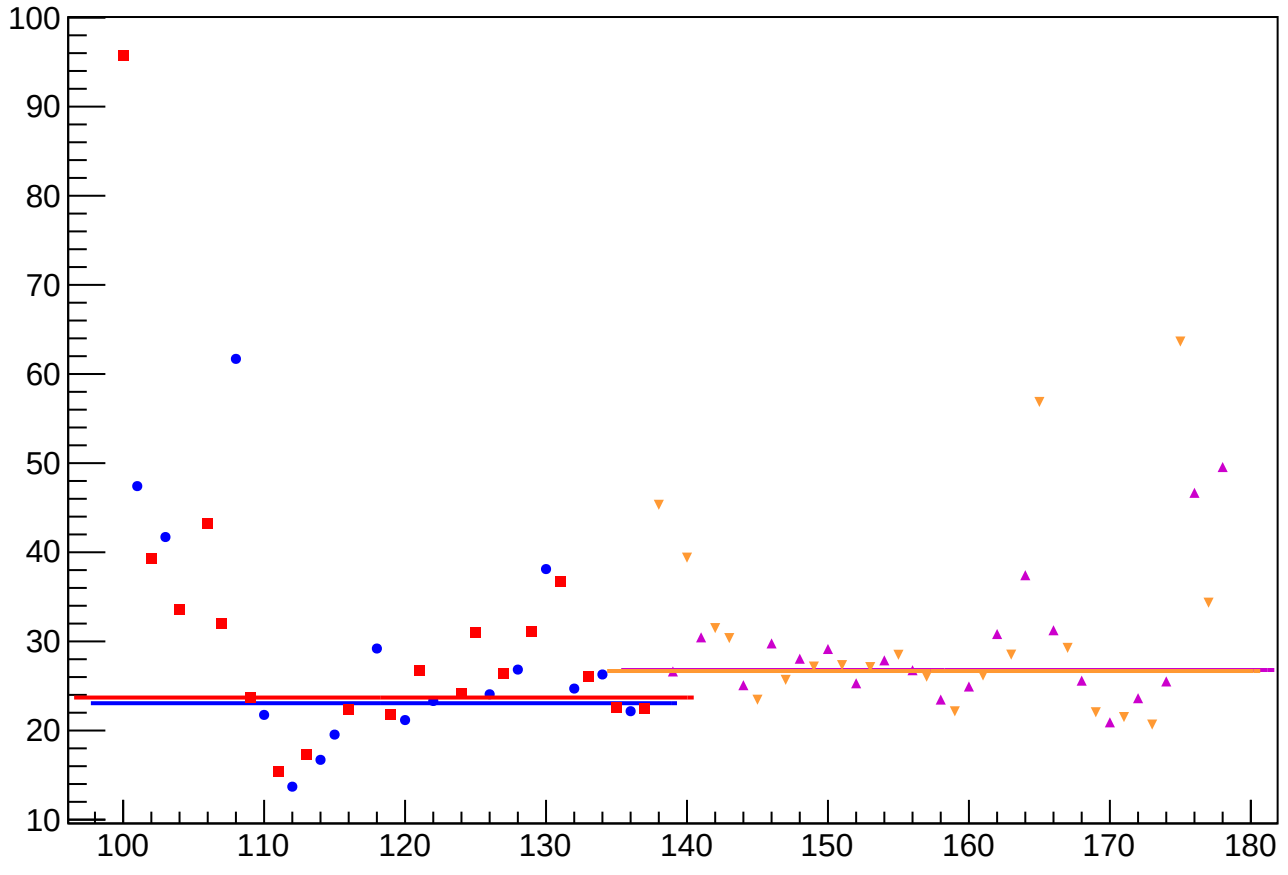
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.004+/-0.007 χ^2/NDF:22.7/19

+ sign -0.006+/-0.006 χ^2/NDF: 48.7/36

All: -0.002+/-0.004 χ^2/NDF: 95.0/75

- sign 0.002+/-0.006 χ^2/NDF: 45.2/38



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 26.679+/-0.005 χ^2/NDF:1709375.4/20

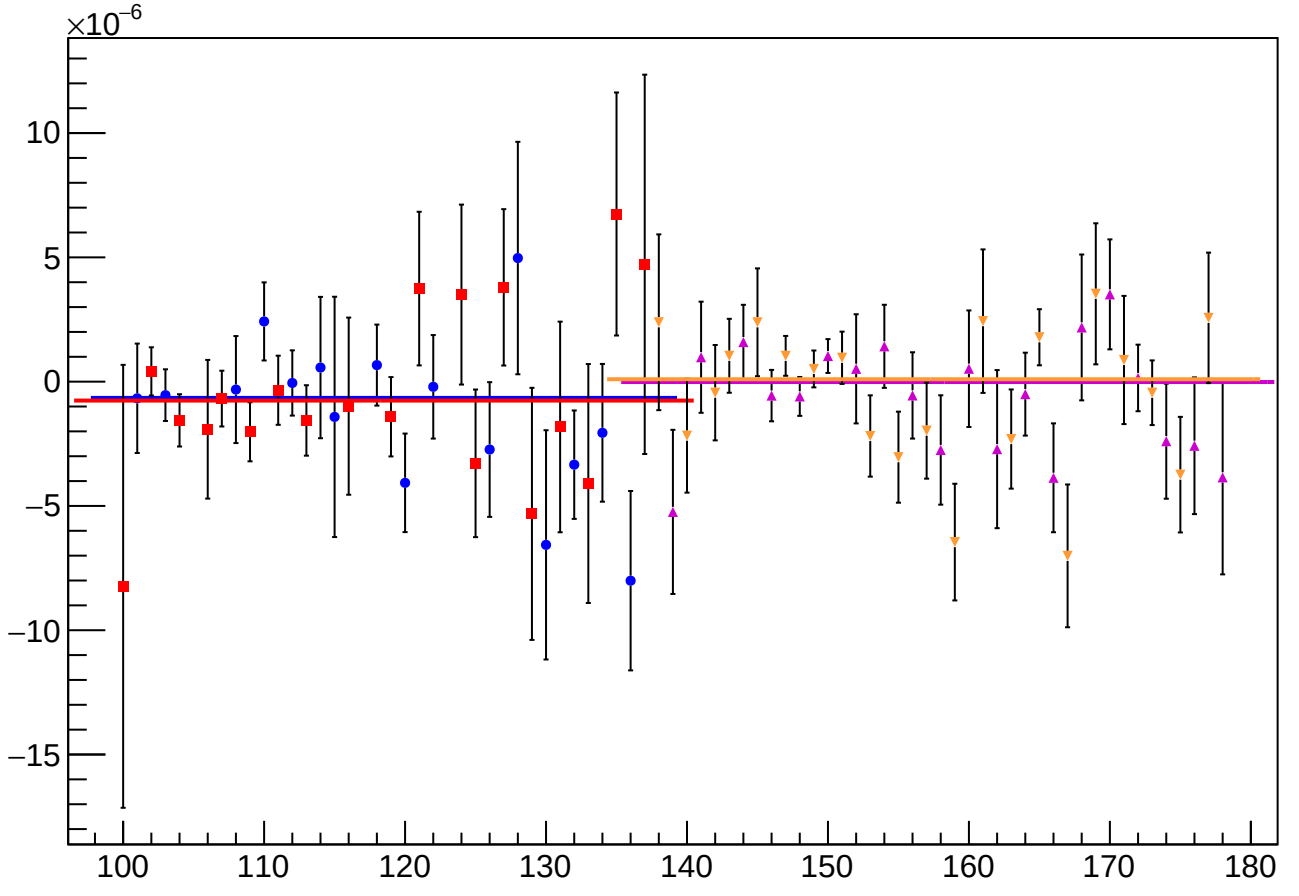
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 26.792+/-0.005 χ^2/NDF:831403.1/19

+ sign 25.411+/-0.004 χ^2/NDF: 3465855.8/36

All: 25.538+/-0.003 χ^2/NDF: 5528531.6/75

- sign 25.668+/-0.004 χ^2/NDF: 2060553.5/38



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/20

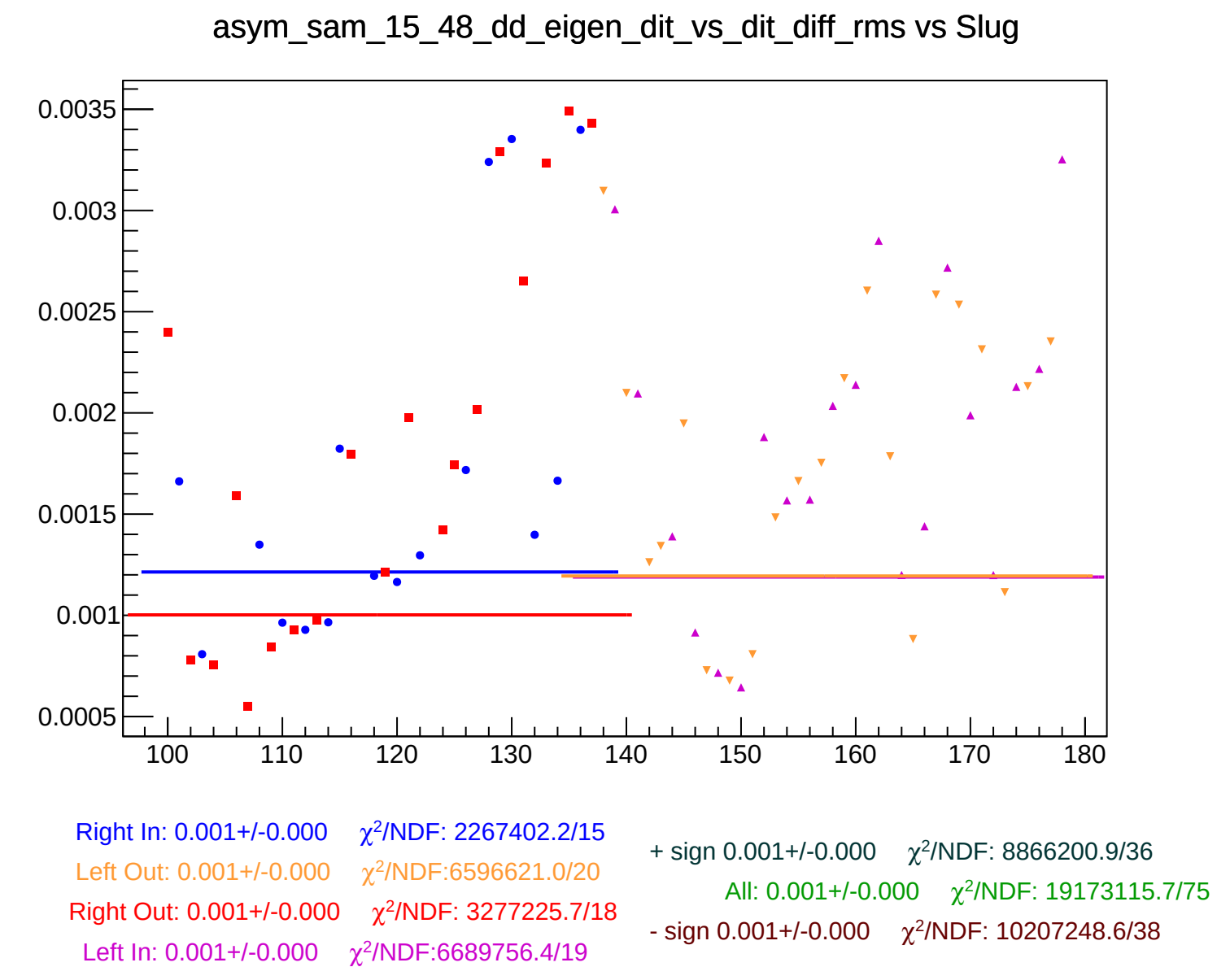
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

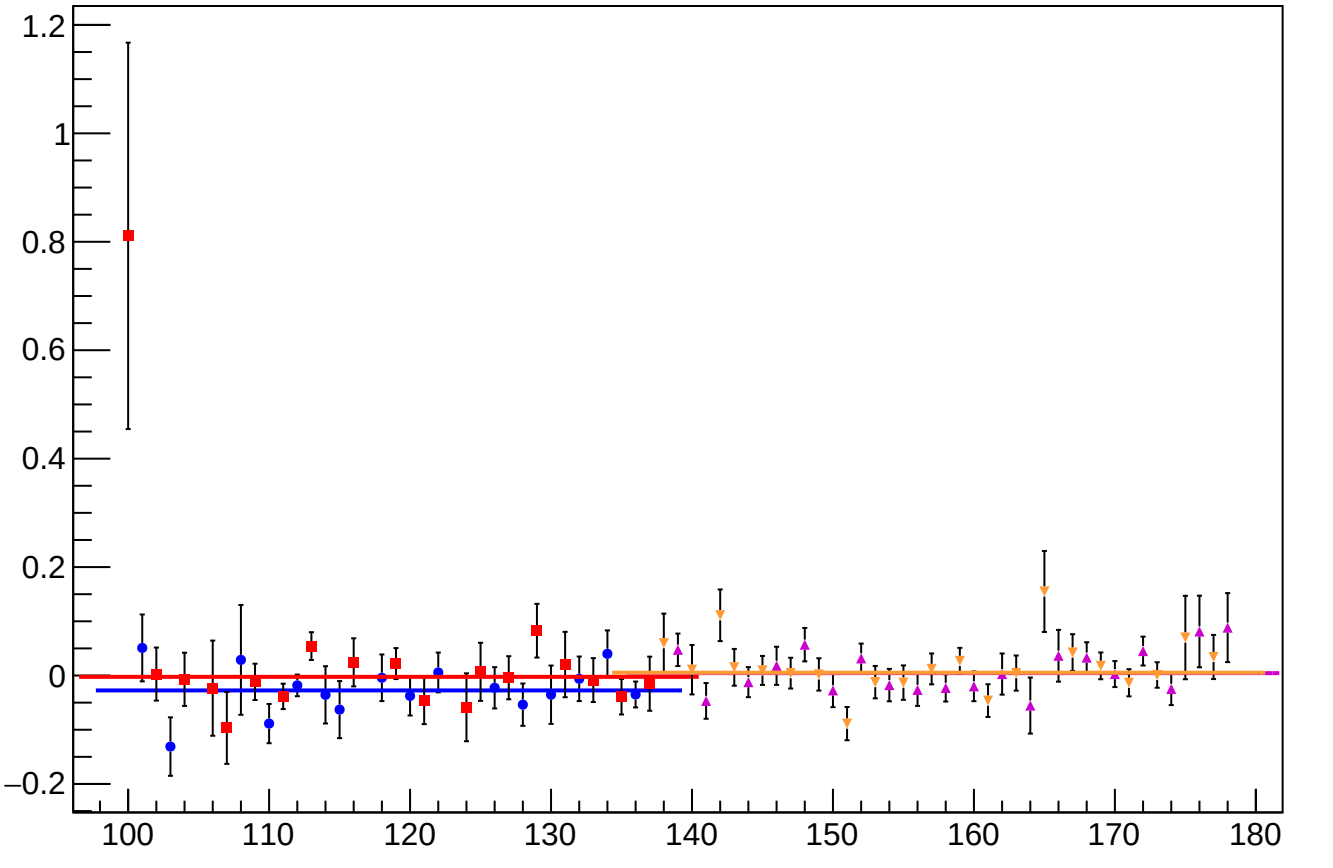
Left In: -0.000+/-0.000 χ^2/NDF:19.4/19

+ sign -0.000+/-0.000 χ^2/NDF: 54.1/36

All: -0.000+/-0.000 χ^2/NDF: 90.9/75

- sign -0.000+/-0.000 χ^2/NDF: 36.5/38


asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 2267402.2/15
Left Out: 0.001+/-0.000 χ²/NDF:6596621.0/20
Right Out: 0.001+/-0.000 χ²/NDF: 3277225.7/18
Left In: 0.001+/-0.000 χ²/NDF:6689756.4/19
+ sign 0.001+/-0.000 χ²/NDF: 8866200.9/36
All: 0.001+/-0.000 χ²/NDF: 19173115.7/75
- sign 0.001+/-0.000 χ²/NDF: 10207248.6/38



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.005+/-0.007 χ^2/NDF:27.2/20

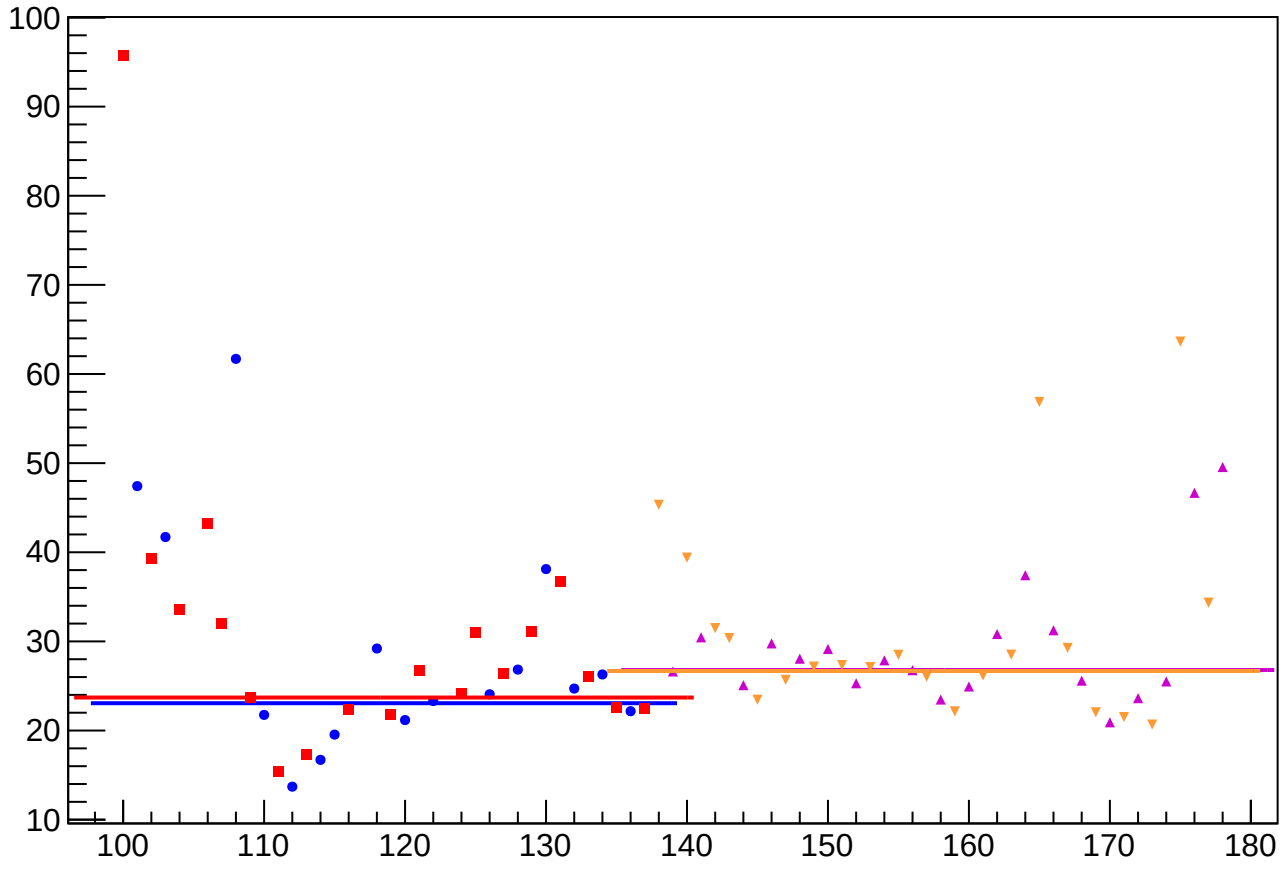
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.004+/-0.007 χ^2/NDF:22.7/19

+ sign -0.006+/-0.006 χ^2/NDF: 48.7/36

All: -0.002+/-0.004 χ^2/NDF: 95.0/75

- sign 0.002+/-0.006 χ^2/NDF: 45.2/38



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 26.679+/-0.005 χ^2/NDF:1709312.4/20

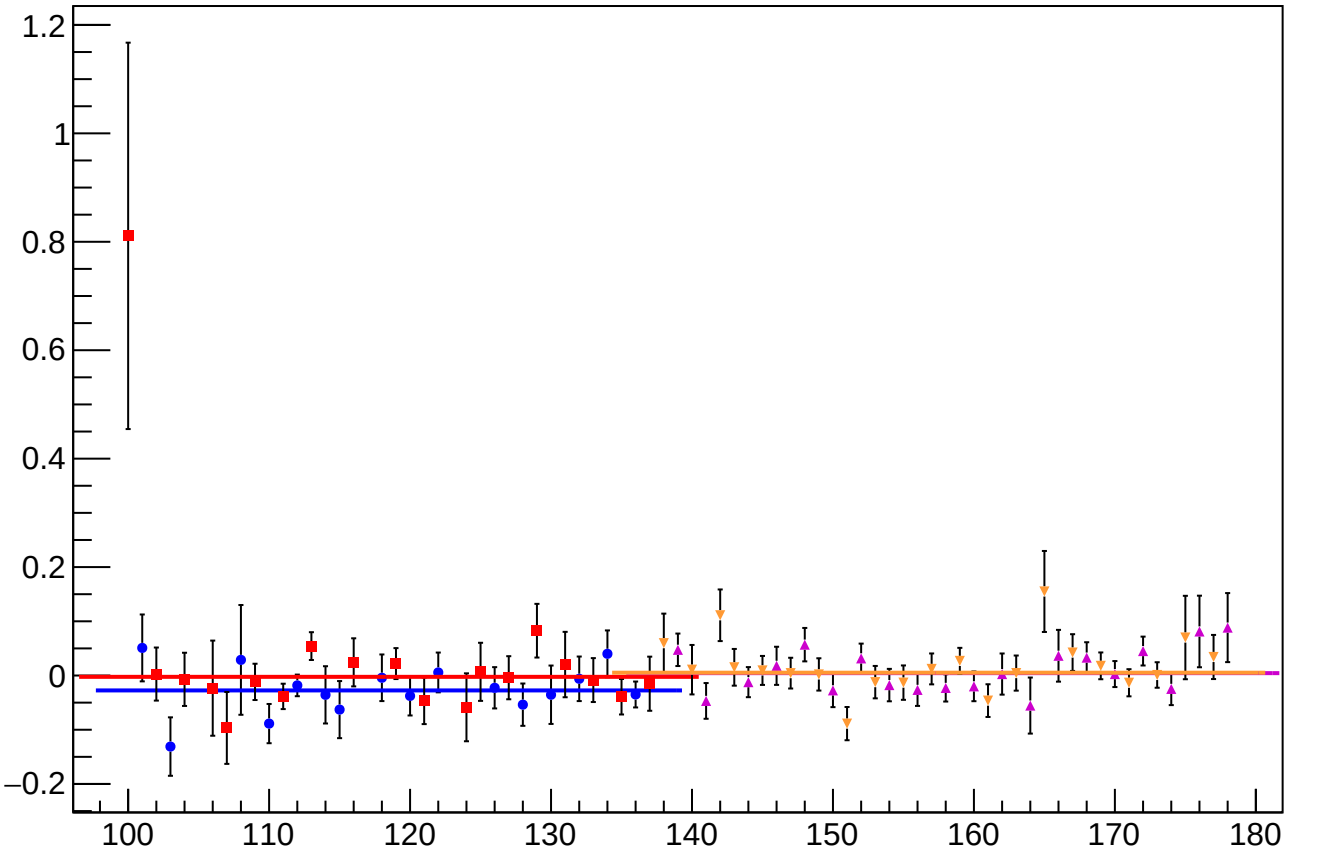
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 26.792+/-0.005 χ^2/NDF:831389.6/19

+ sign 25.411+/-0.004 χ^2/NDF: 3465862.6/36

All: 25.538+/-0.003 χ^2/NDF: 5528600.1/75

- sign 25.668+/-0.004 χ^2/NDF: 2060616.9/38



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.005+/-0.007 χ^2/NDF:27.2/20

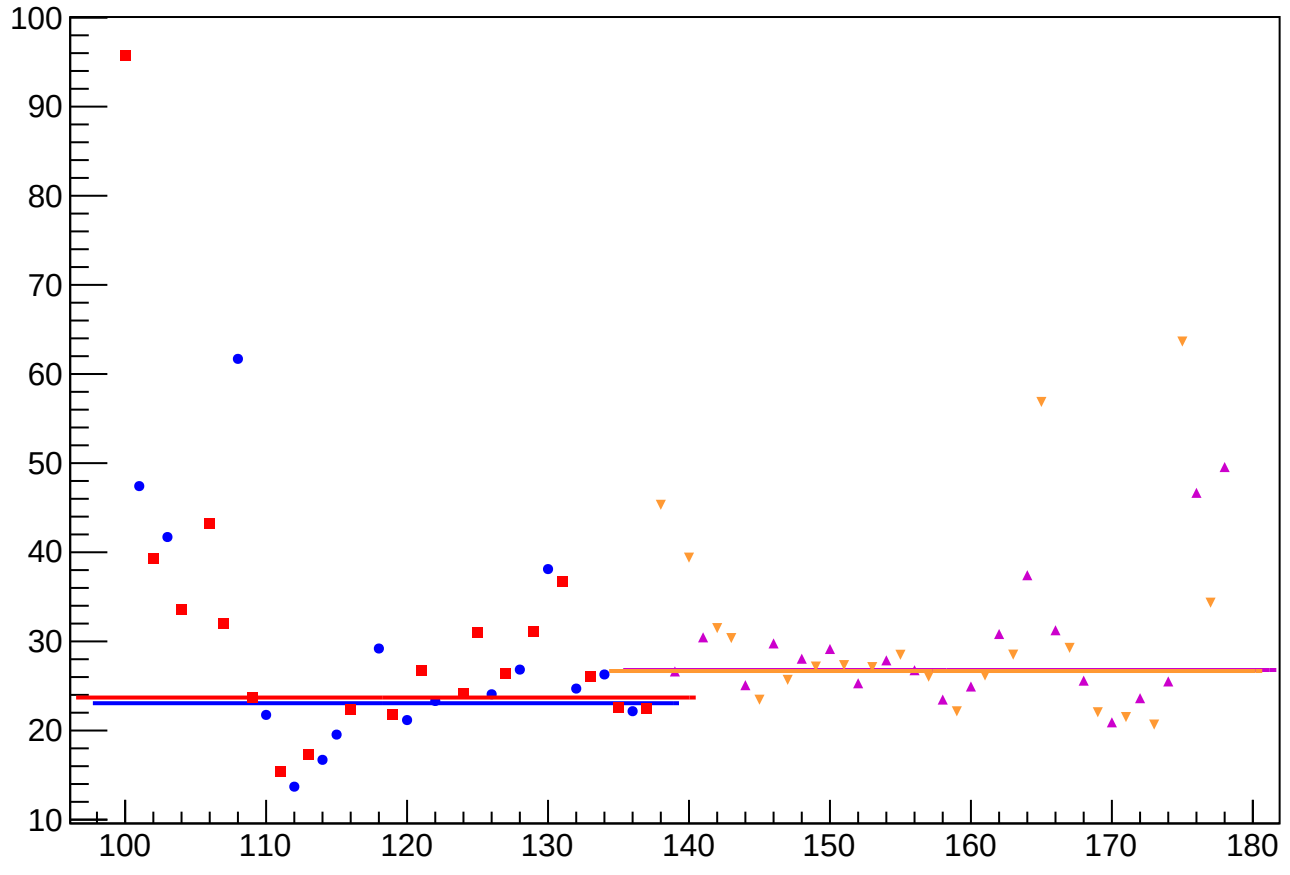
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.004+/-0.007 χ^2/NDF:22.7/19

+ sign -0.006+/-0.006 χ^2/NDF: 48.7/36

All: -0.002+/-0.004 χ^2/NDF: 95.0/75

- sign 0.002+/-0.006 χ^2/NDF: 45.2/38



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 26.679+/-0.005 χ^2/NDF:1709312.4/20

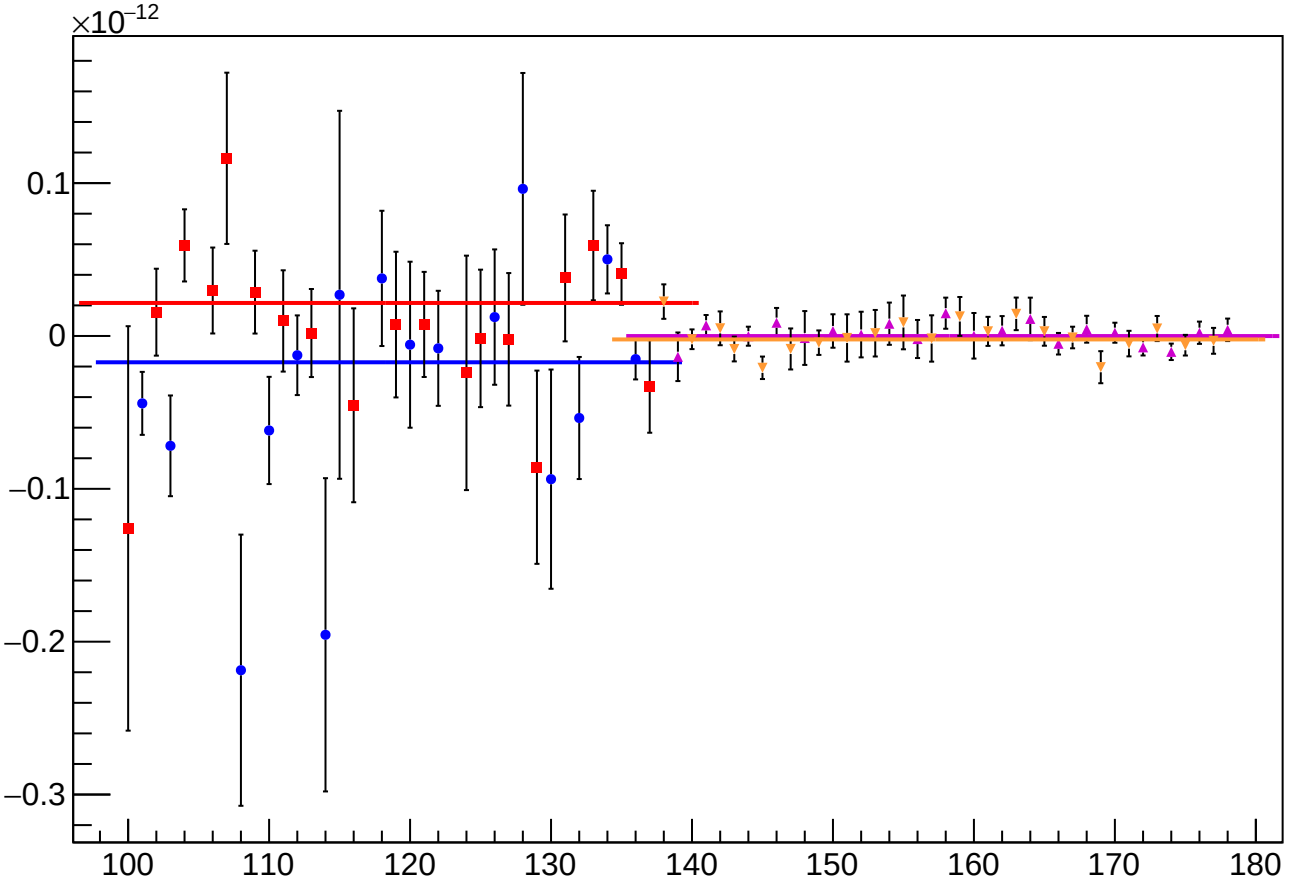
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 26.792+/-0.005 χ^2/NDF:831389.6/19

+ sign 25.411+/-0.004 χ^2/NDF: 3465862.6/36

All: 25.538+/-0.003 χ^2/NDF: 5528600.1/75

- sign 25.668+/-0.004 χ^2/NDF: 2060616.9/38



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.7/20

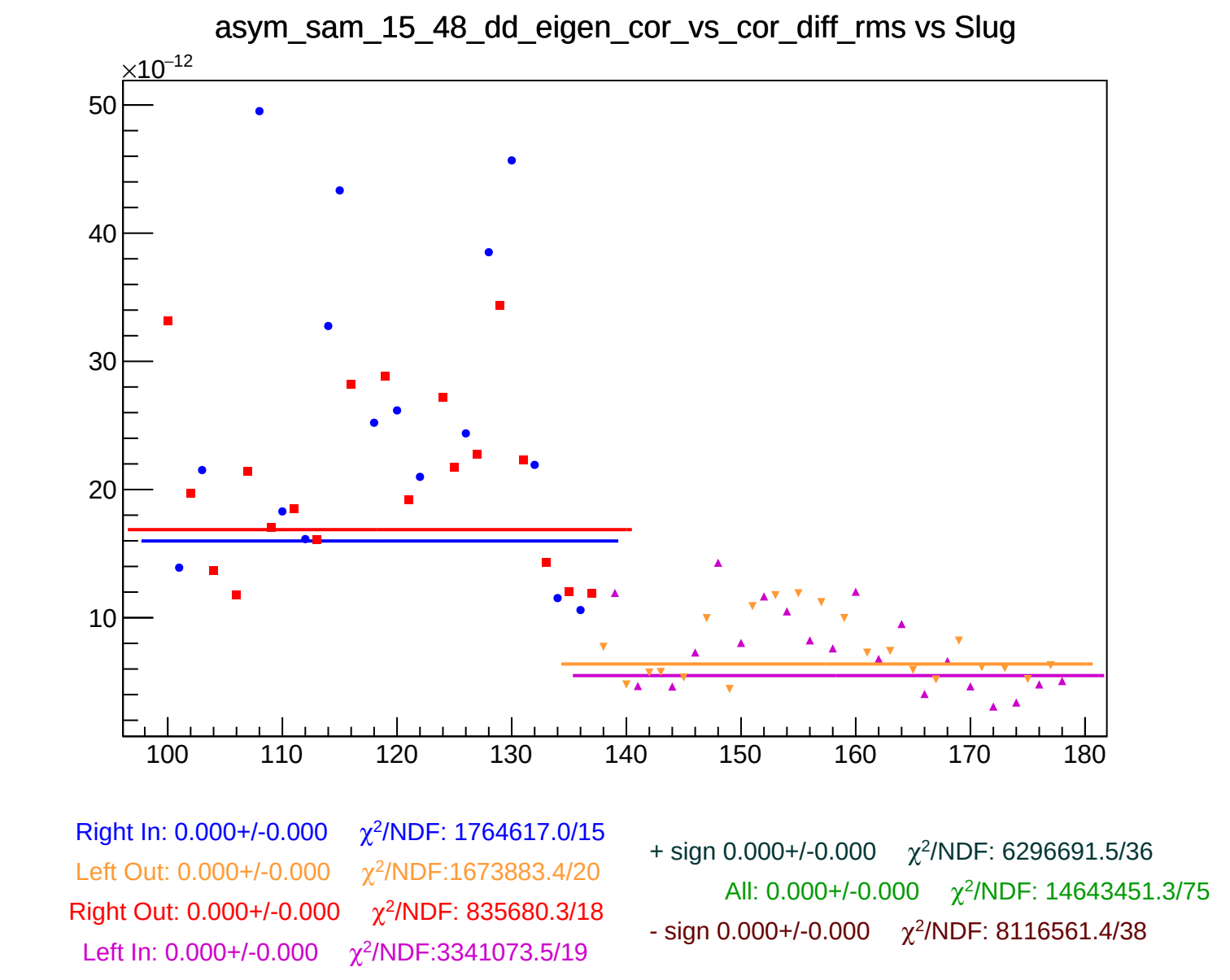
Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: -0.000+/-0.000 χ^2/NDF:12.9/19

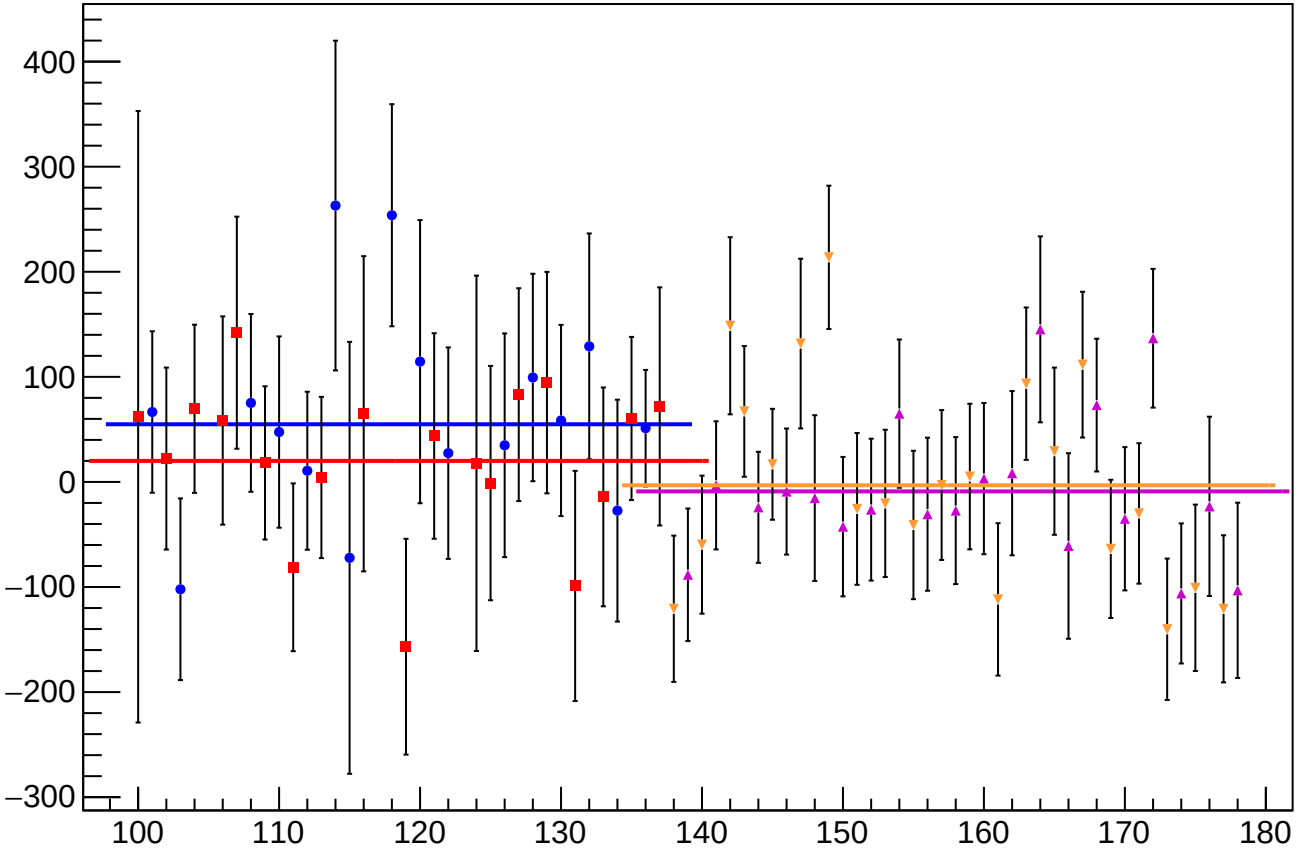
+ sign -0.000+/-0.000 χ^2/NDF: 55.0/36

All: -0.000+/-0.000 χ^2/NDF: 95.6/75

- sign 0.000+/-0.000 χ^2/NDF: 38.0/38


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1764617.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1673883.4/20
Right Out: 0.000+/-0.000 χ²/NDF: 835680.3/18
Left In: 0.000+/-0.000 χ²/NDF:3341073.5/19
+ sign 0.000+/-0.000 χ²/NDF: 6296691.5/36
All: 0.000+/-0.000 χ²/NDF: 14643451.3/75
- sign 0.000+/-0.000 χ²/NDF: 8116561.4/38

reg_asym_sam_37_48_dd_mean vs Slug



Right In: 54.883+/-23.179 χ^2/NDF: 11.0/15

Left Out: -3.183+/-15.159 χ^2/NDF:38.1/20

Right Out: 20.020+/-22.571 χ^2/NDF: 9.2/18

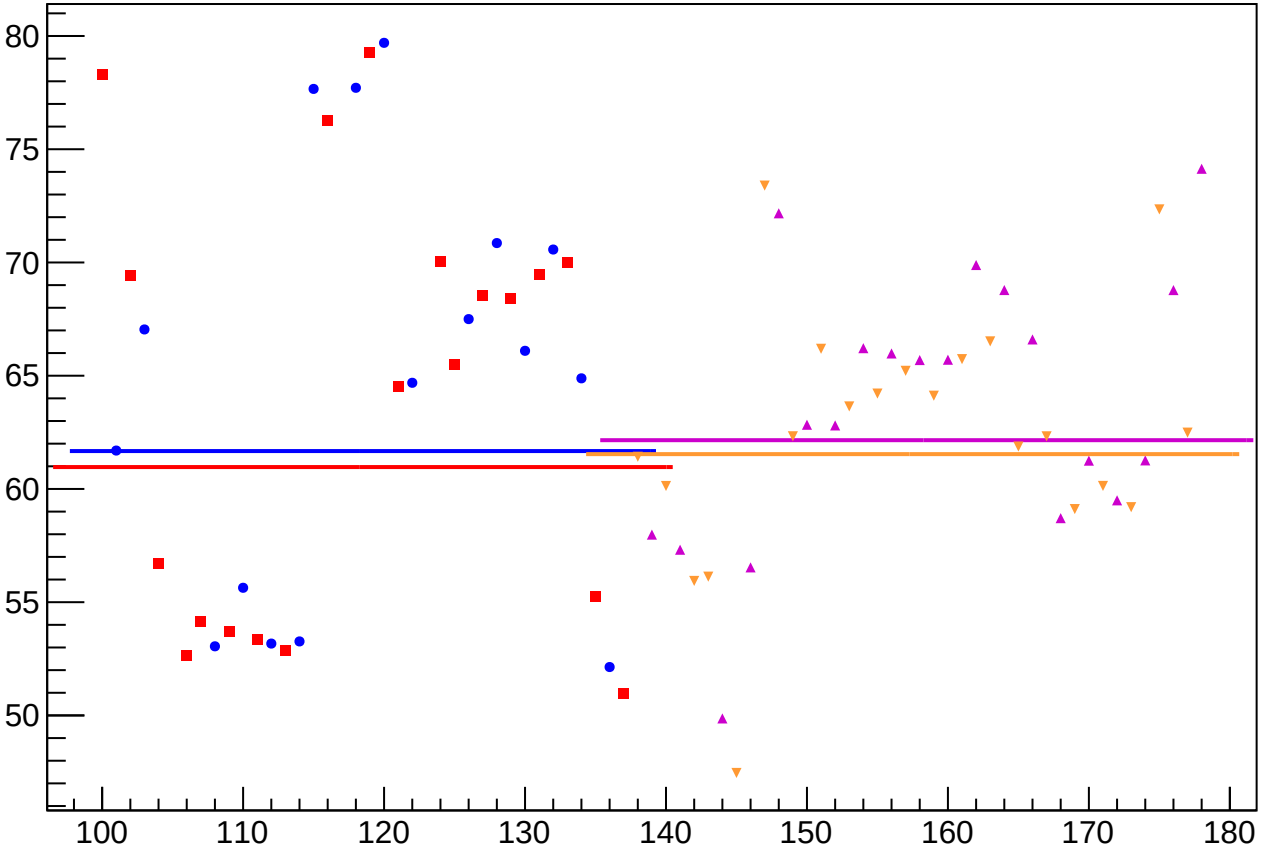
Left In: -8.995+/-15.482 χ^2/NDF:16.9/19

+ sign 14.212+/-12.686 χ^2/NDF: 53.5/36

All: 7.294+/-8.999 χ^2/NDF: 81.3/75

- sign 0.288+/-12.767 χ^2/NDF: 27.2/38

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 61.538+/-0.011 χ^2/NDF:291727.0/20

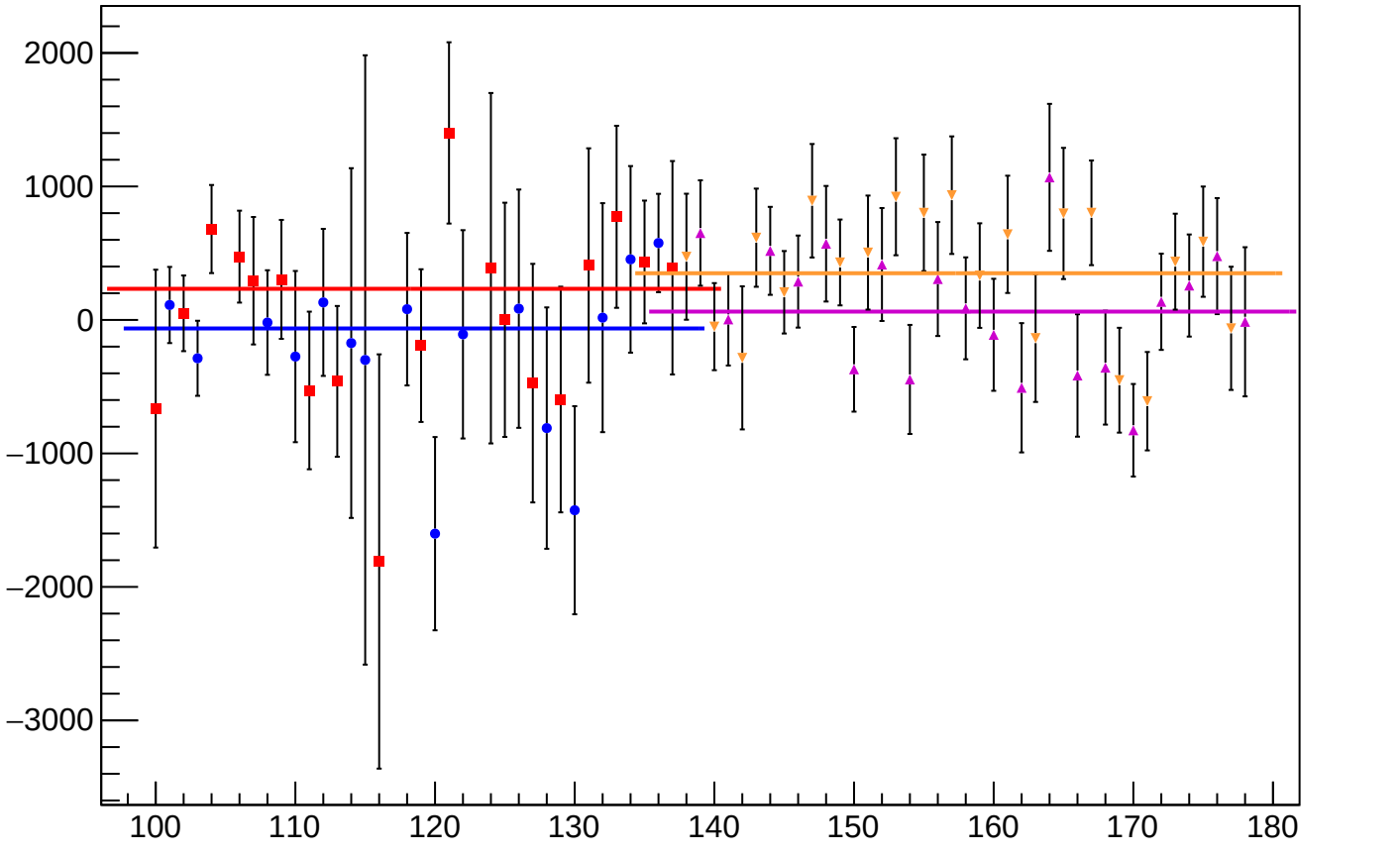
Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 62.153+/-0.011 χ^2/NDF:300926.0/19

+ sign 61.578+/-0.009 χ^2/NDF: 558882.8/36

All: 61.675+/-0.006 χ^2/NDF: 1147986.2/75

- sign 61.773+/-0.009 χ^2/NDF: 588868.1/38



Right In: -63.834+/-129.674 χ^2/NDF: 13.2/15

Left Out: 349.873+/-87.570 χ^2/NDF:25.8/20

Right Out: 233.206+/-122.791 χ^2/NDF: 14.5/18

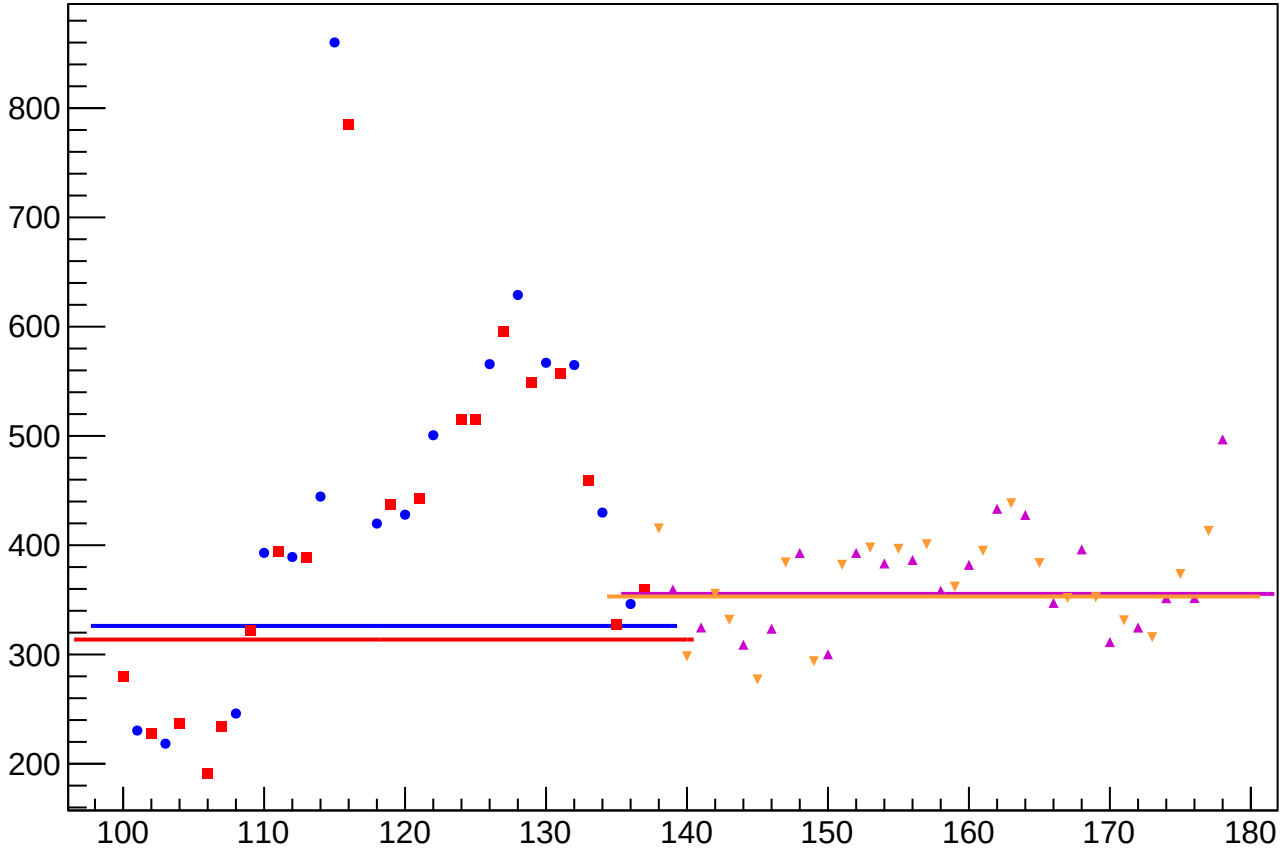
Left In: 62.484+/-88.932 χ^2/NDF:25.2/19

+ sign 220.298+/-72.572 χ^2/NDF: 46.0/36

All: 170.387+/-51.122 χ^2/NDF: 87.9/75

- sign 121.224+/-72.026 χ^2/NDF: 40.9/38

asym_sam_37_48_dd_reg_correction_rms vs Slug



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 353.085+/-0.062 χ^2/NDF:528754.0/20

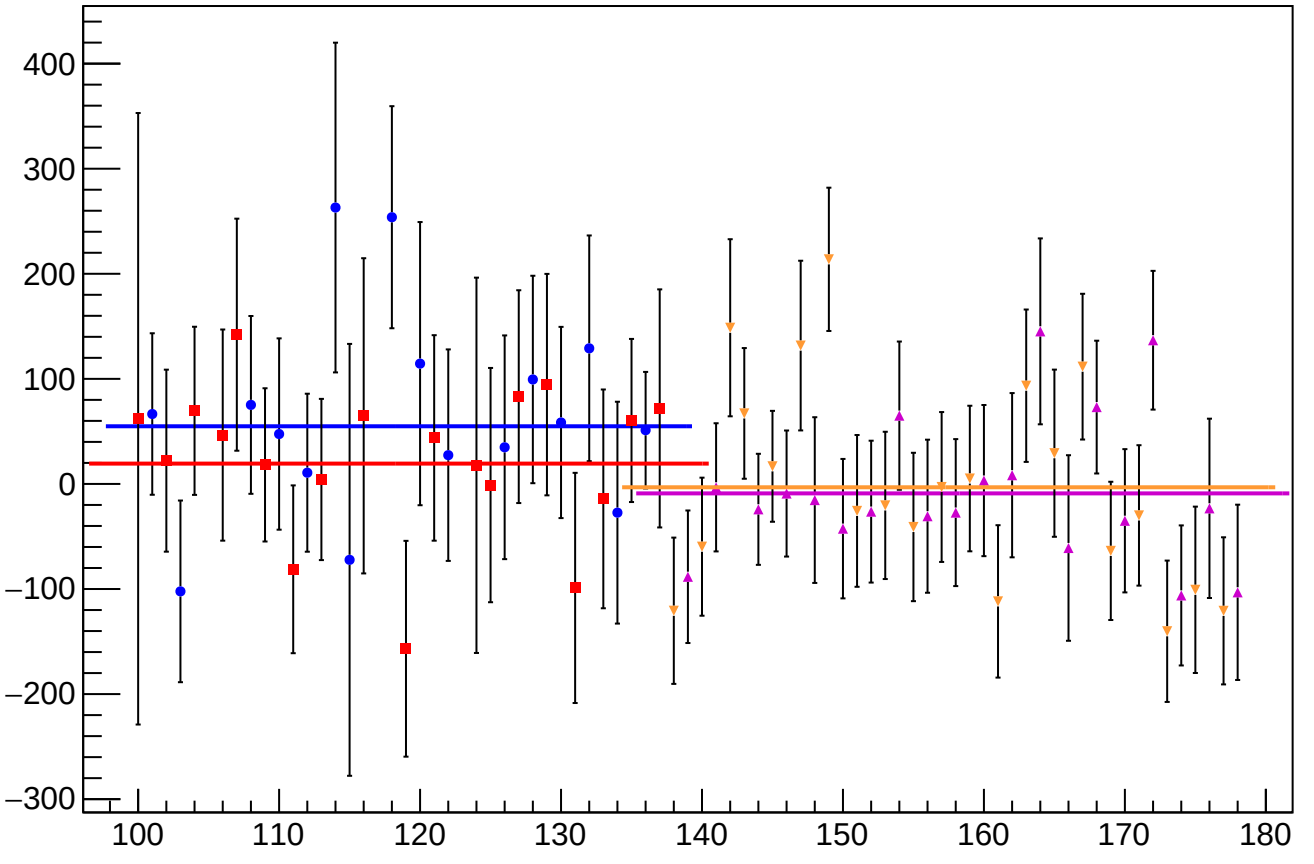
Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

Left In: 355.456+/-0.063 χ^2/NDF:472747.0/19

+ sign 344.648+/-0.051 χ^2/NDF: 2322022.3/36

All: 342.850+/-0.036 χ^2/NDF: 4736456.0/75

- sign 341.079+/-0.051 χ^2/NDF: 2411997.7/38



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: -3.185+/-15.159 χ^2/NDF:38.1/20

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

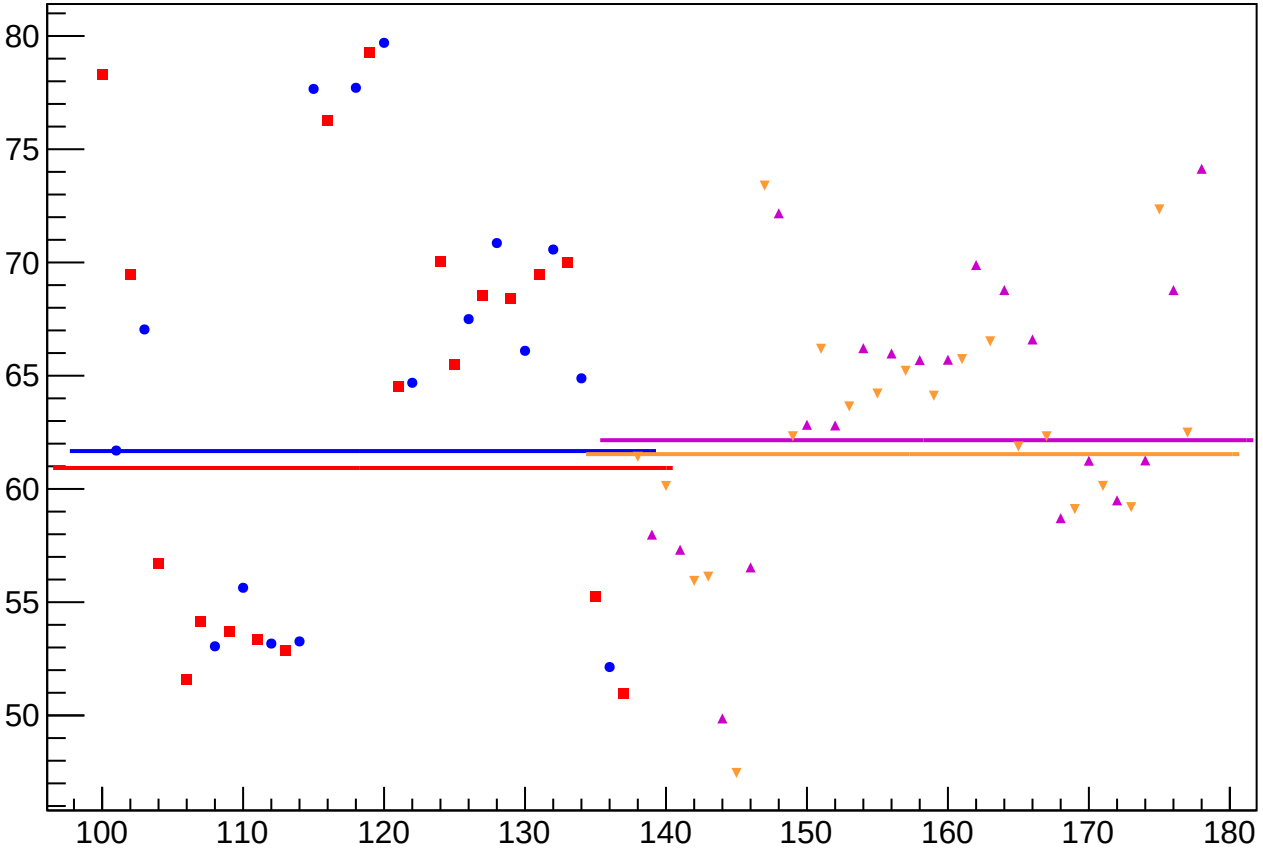
Left In: -8.994+/-15.482 χ^2/NDF:16.9/19

+ sign 14.209+/-12.686 χ^2/NDF: 53.5/36

All: 7.184+/-9.000 χ^2/NDF: 81.2/75

- sign 0.066+/-12.770 χ^2/NDF: 27.1/38

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 61.538+/-0.011 χ^2/NDF:291727.0/20

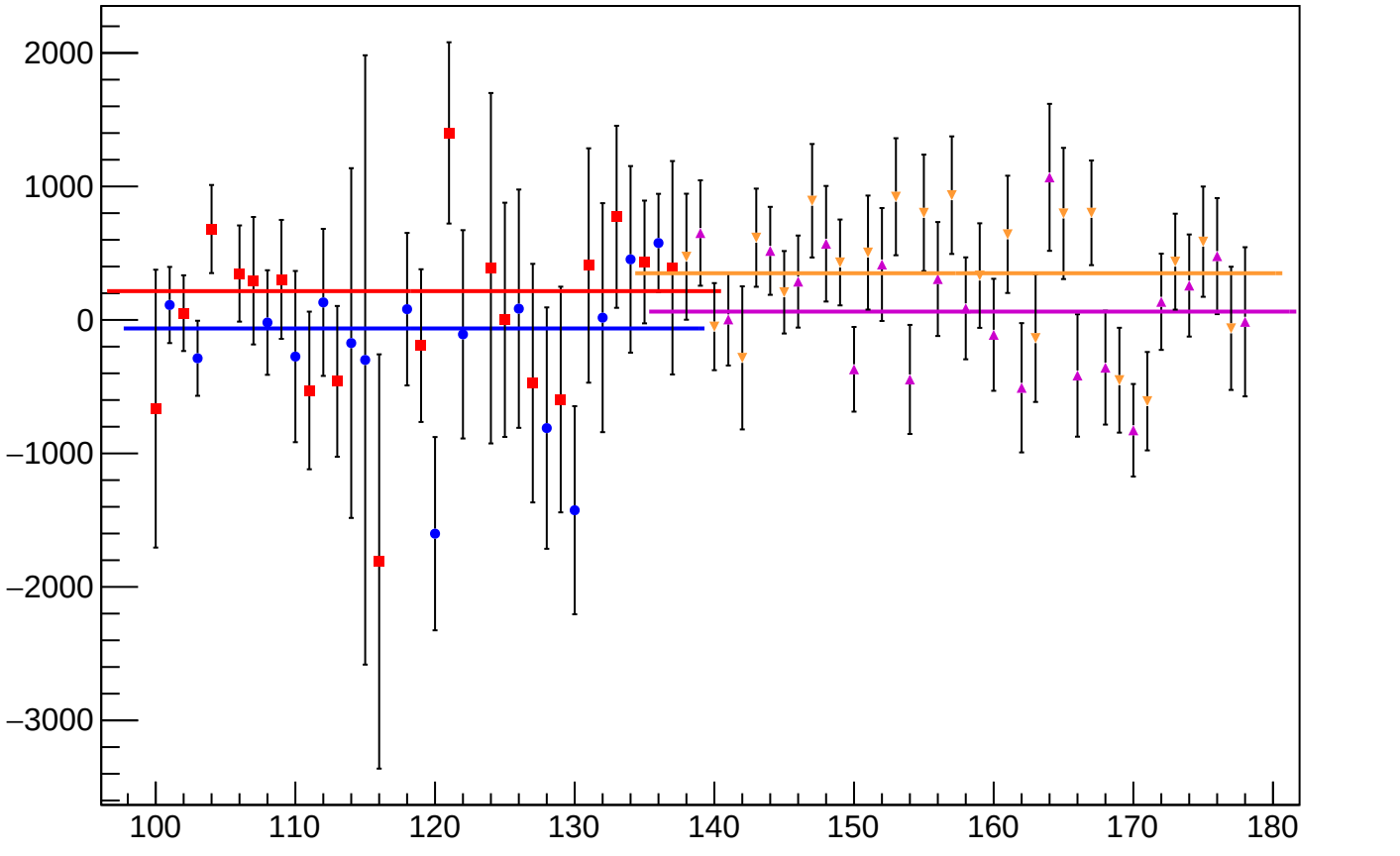
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 62.153+/-0.011 χ^2/NDF:300926.0/19

+ sign 61.578+/-0.009 χ^2/NDF: 558883.0/36

All: 61.669+/-0.006 χ^2/NDF: 1151612.2/75

- sign 61.761+/-0.009 χ^2/NDF: 592523.5/38



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 349.872+/-87.570 χ^2/NDF:25.8/20

Right Out: 215.911+/-123.491 χ^2/NDF: 14.1/18

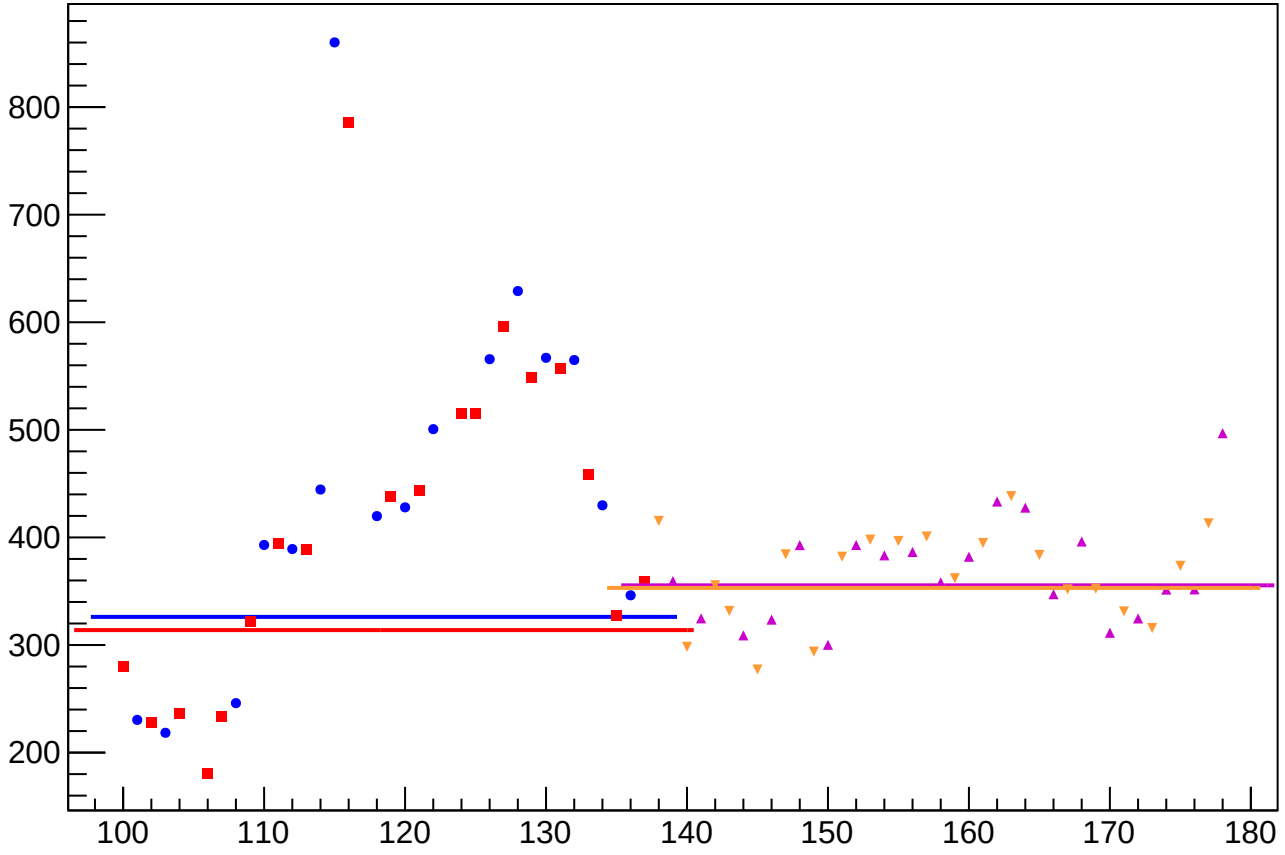
Left In: 62.484+/-88.932 χ^2/NDF:25.2/19

+ sign 220.303+/-72.572 χ^2/NDF: 46.0/36

All: 167.296+/-51.172 χ^2/NDF: 87.4/75

- sign 114.880+/-72.166 χ^2/NDF: 40.3/38

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 353.085+/-0.062 χ^2/NDF:528751.0/20

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

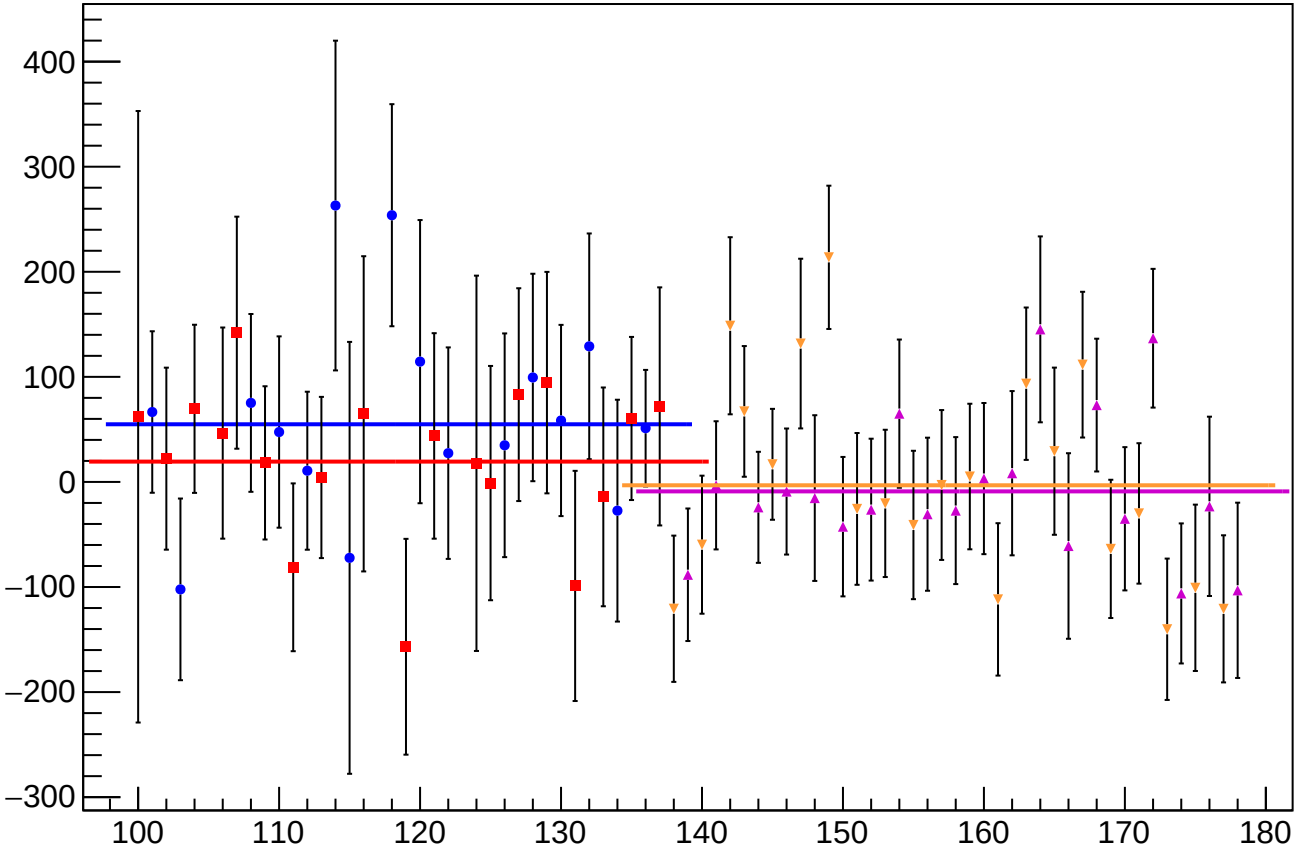
Left In: 355.456+/-0.063 χ^2/NDF:472749.7/19

+ sign 344.649+/-0.051 χ^2/NDF: 2321945.7/36

All: 342.940+/-0.036 χ^2/NDF: 4752092.4/75

- sign 341.251+/-0.051 χ^2/NDF: 2427942.1/38

eigen_cor_asym_sam_37_48_dd_mean vs Slug



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: -3.185+/-15.159 χ^2/NDF:38.1/20

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

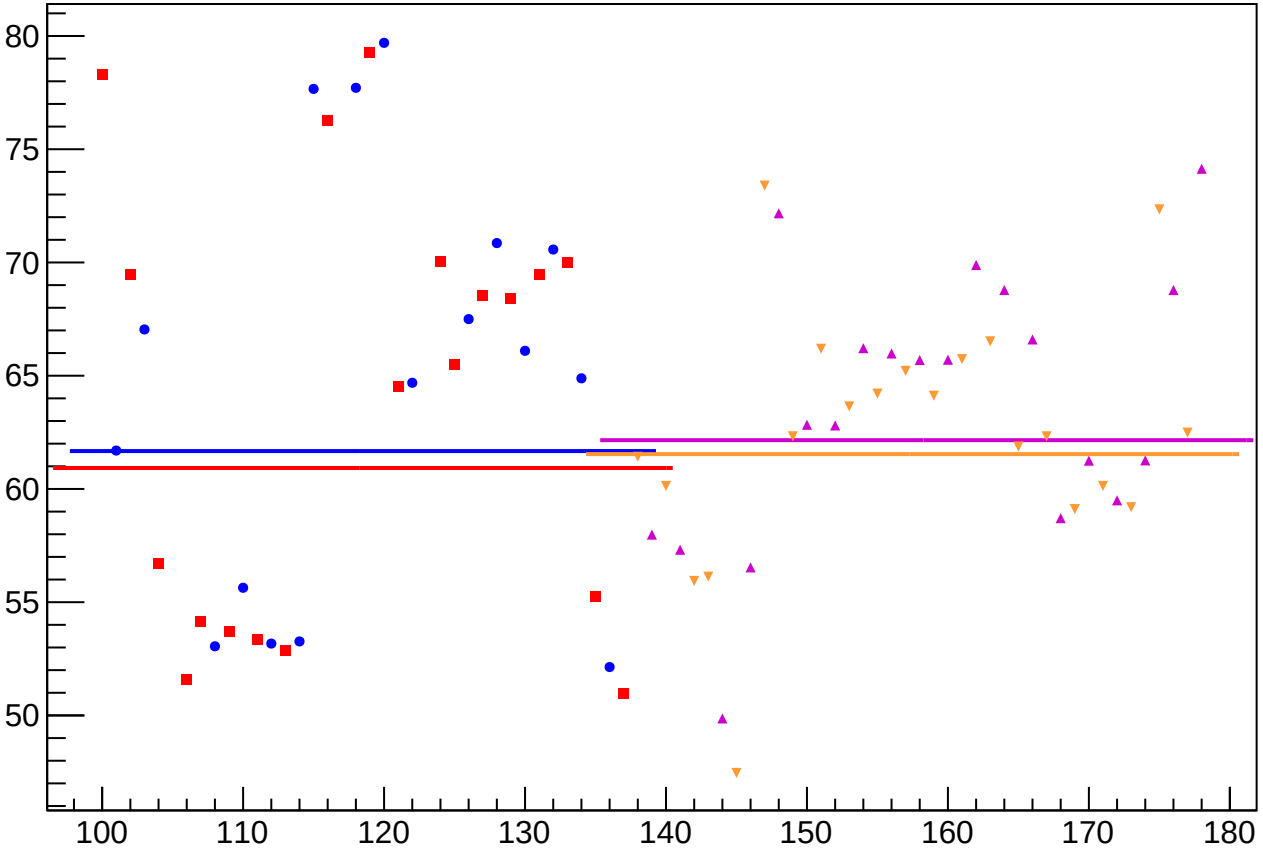
Left In: -8.994+/-15.482 χ^2/NDF:16.9/19

+ sign 14.209+/-12.686 χ^2/NDF: 53.5/36

All: 7.184+/-9.000 χ^2/NDF: 81.2/75

- sign 0.066+/-12.770 χ^2/NDF: 27.1/38

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 61.538+/-0.011 χ^2/NDF:291727.0/20

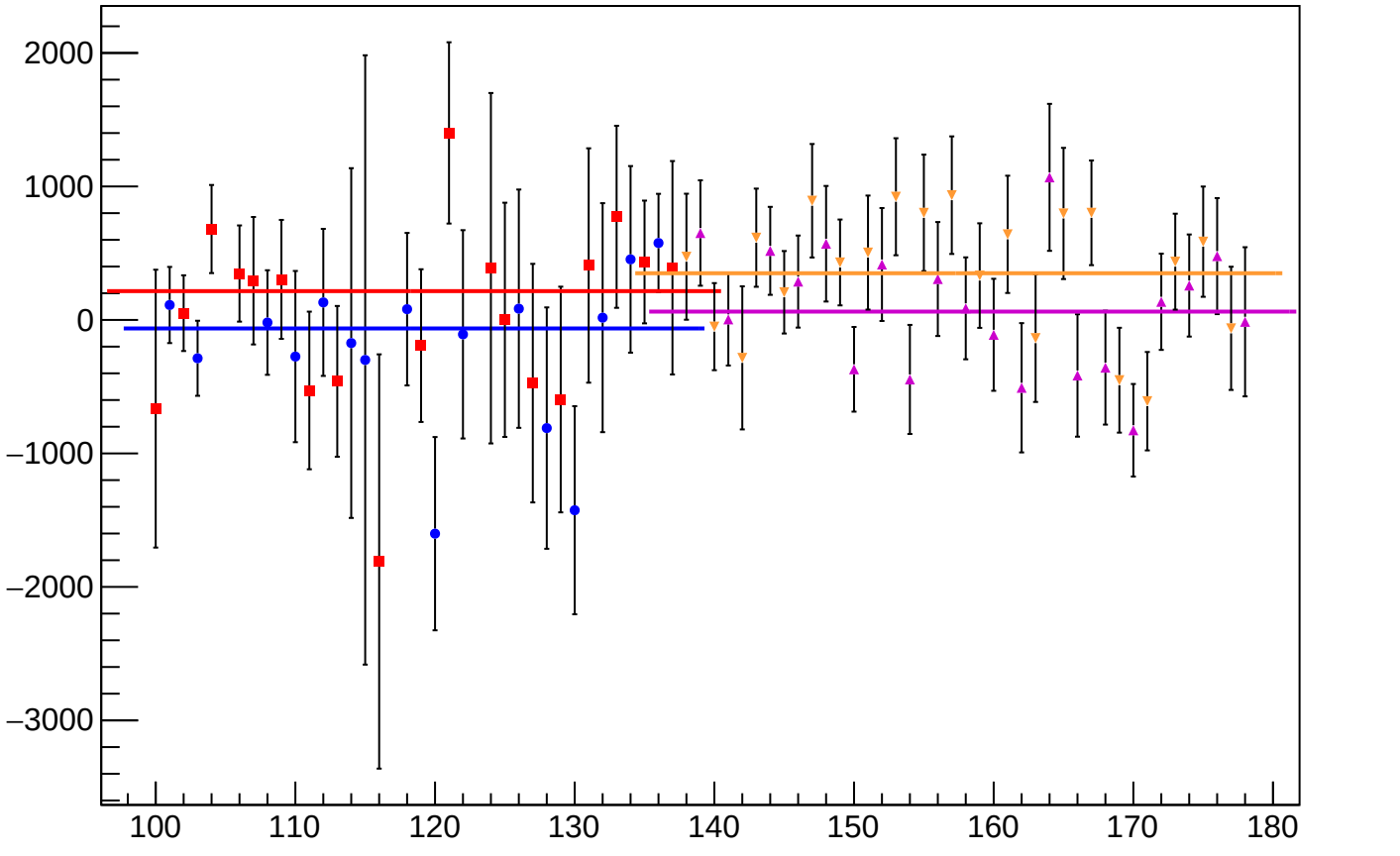
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 62.153+/-0.011 χ^2/NDF:300926.0/19

+ sign 61.578+/-0.009 χ^2/NDF: 558883.0/36

All: 61.669+/-0.006 χ^2/NDF: 1151612.2/75

- sign 61.761+/-0.009 χ^2/NDF: 592523.5/38



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 349.872+/-87.570 χ^2/NDF:25.8/20

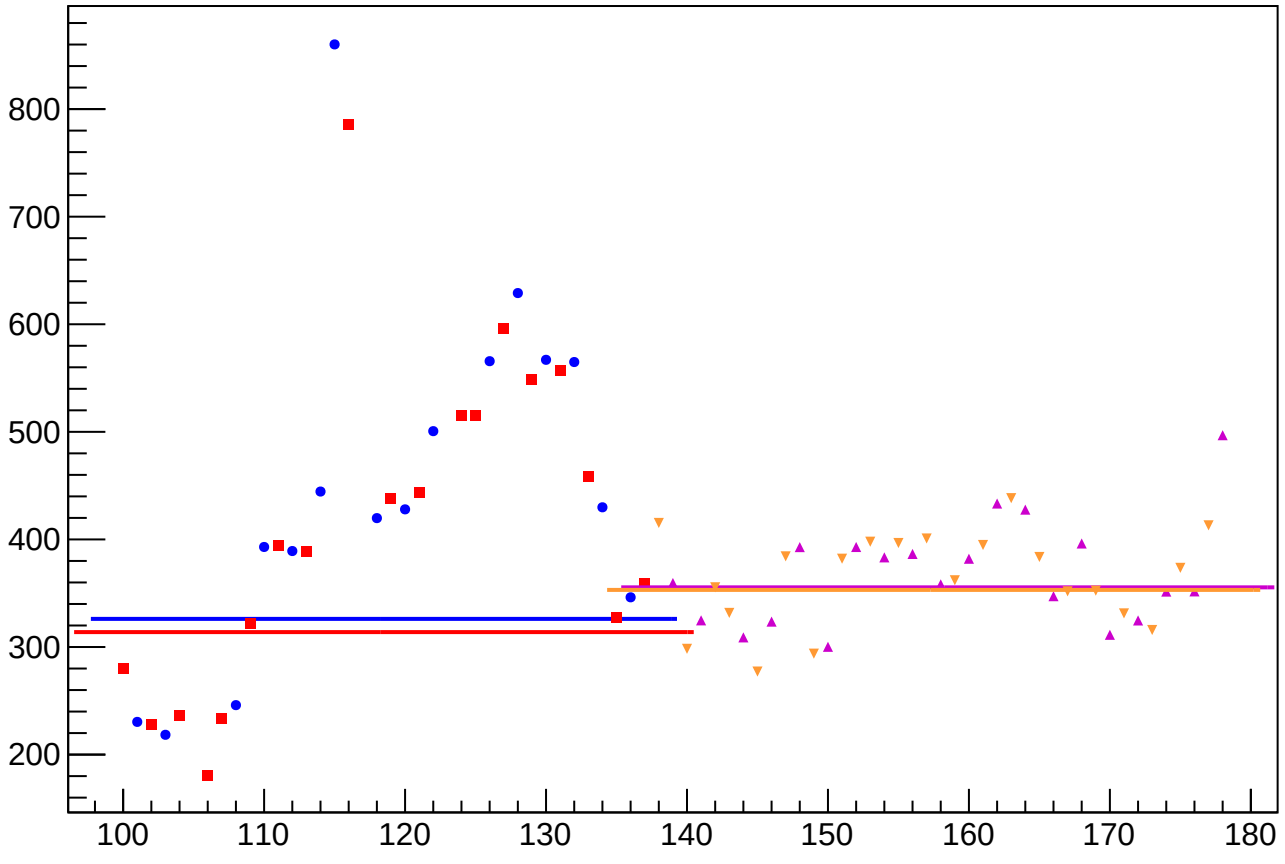
Right Out: 215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: 62.484+/-88.932 χ^2/NDF:25.2/19

+ sign 220.303+/-72.572 χ^2/NDF: 46.0/36

All: 167.296+/-51.172 χ^2/NDF: 87.4/75

- sign 114.880+/-72.166 χ^2/NDF: 40.3/38



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 353.085+/-0.062 χ^2/NDF:528751.0/20

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

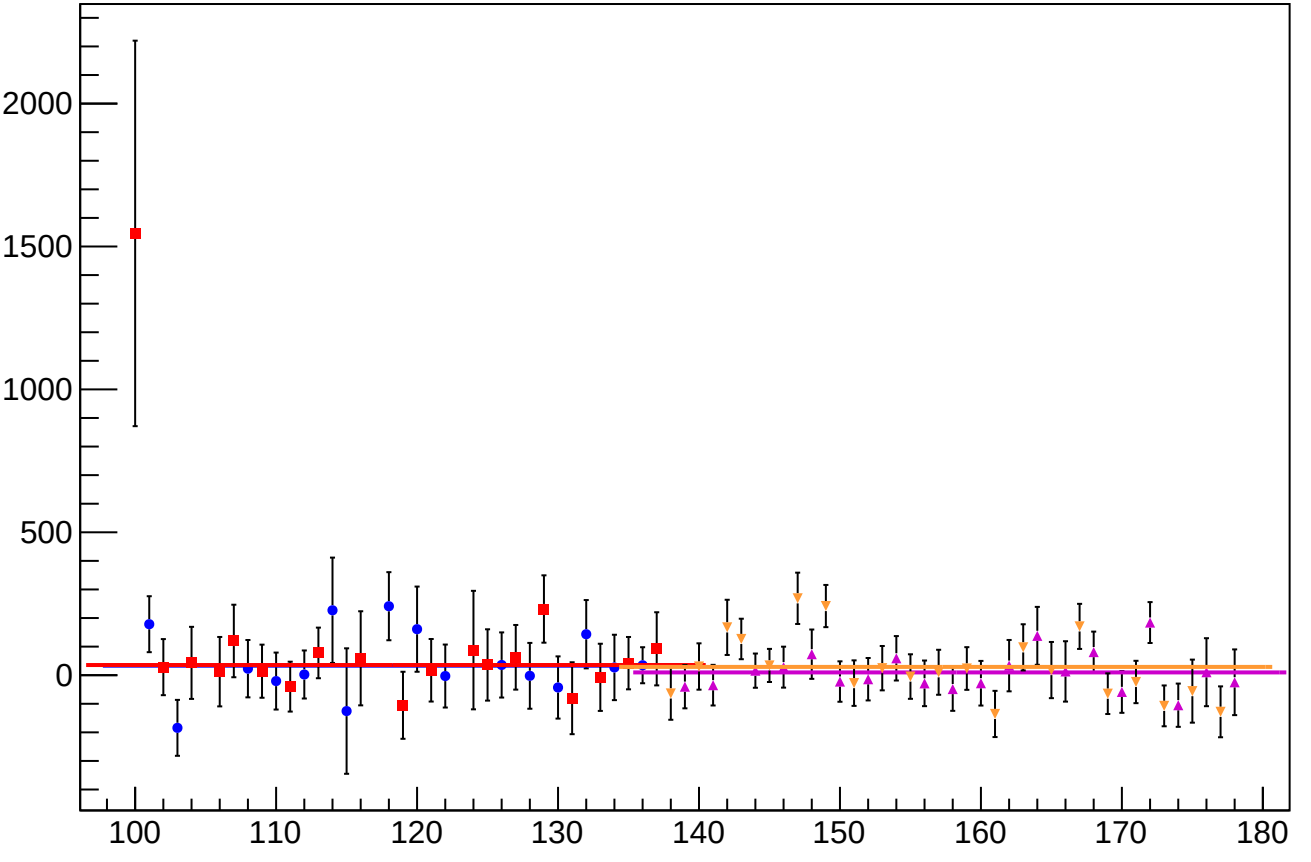
Left In: 355.456+/-0.063 χ^2/NDF:472749.7/19

+ sign 344.649+/-0.051 χ^2/NDF: 2321945.7/36

All: 342.940+/-0.036 χ^2/NDF: 4752092.4/75

- sign 341.251+/-0.051 χ^2/NDF: 2427942.1/38

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 29.010+/-17.237 χ^2/NDF:38.9/20

Right Out: 35.576+/-26.536 χ^2/NDF: 12.1/18

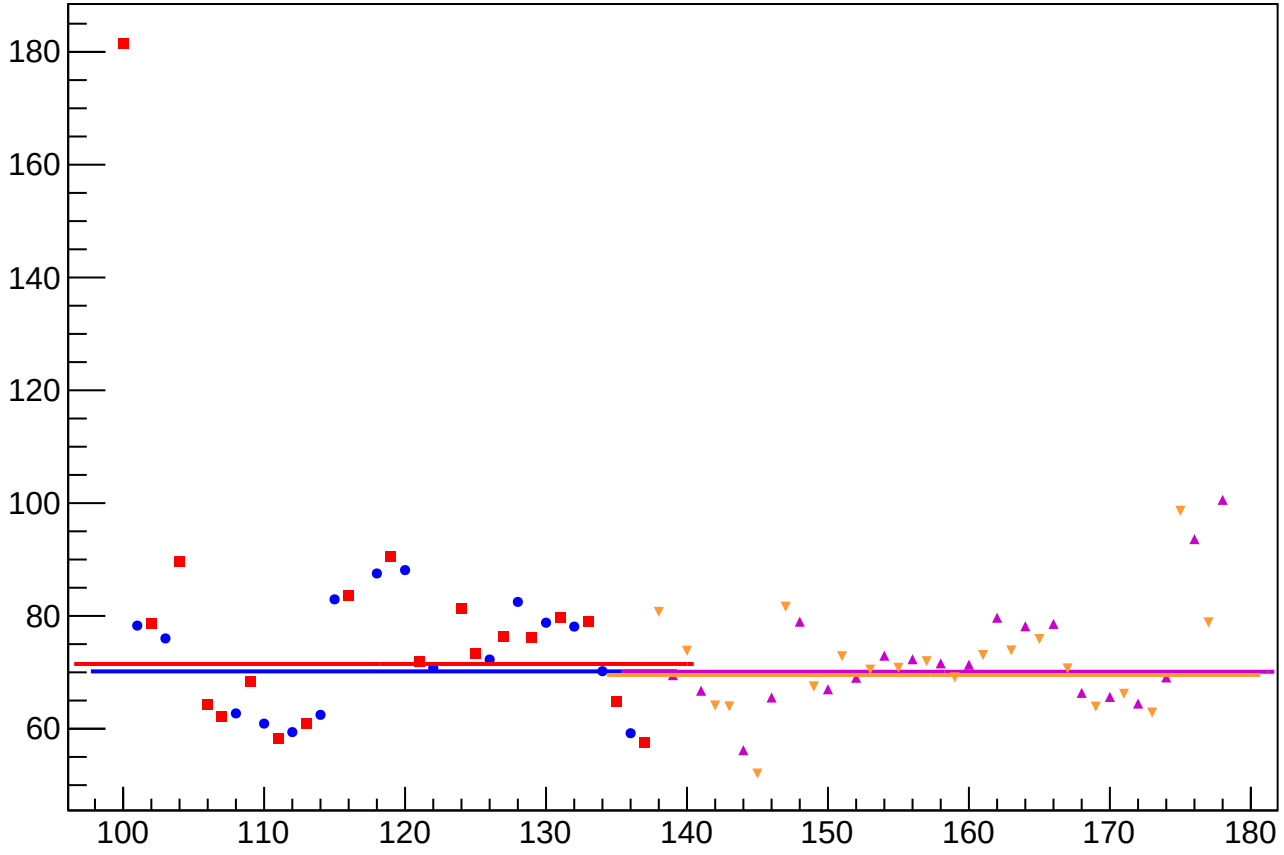
Left In: 9.718+/-17.601 χ^2/NDF:15.1/19

+ sign 30.321+/-14.435 χ^2/NDF: 53.5/36

All: 24.071+/-10.289 χ^2/NDF: 81.7/75

- sign 17.618+/-14.668 χ^2/NDF: 27.8/38

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 69.532+/-0.012 χ^2/NDF:493547.9/20

Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

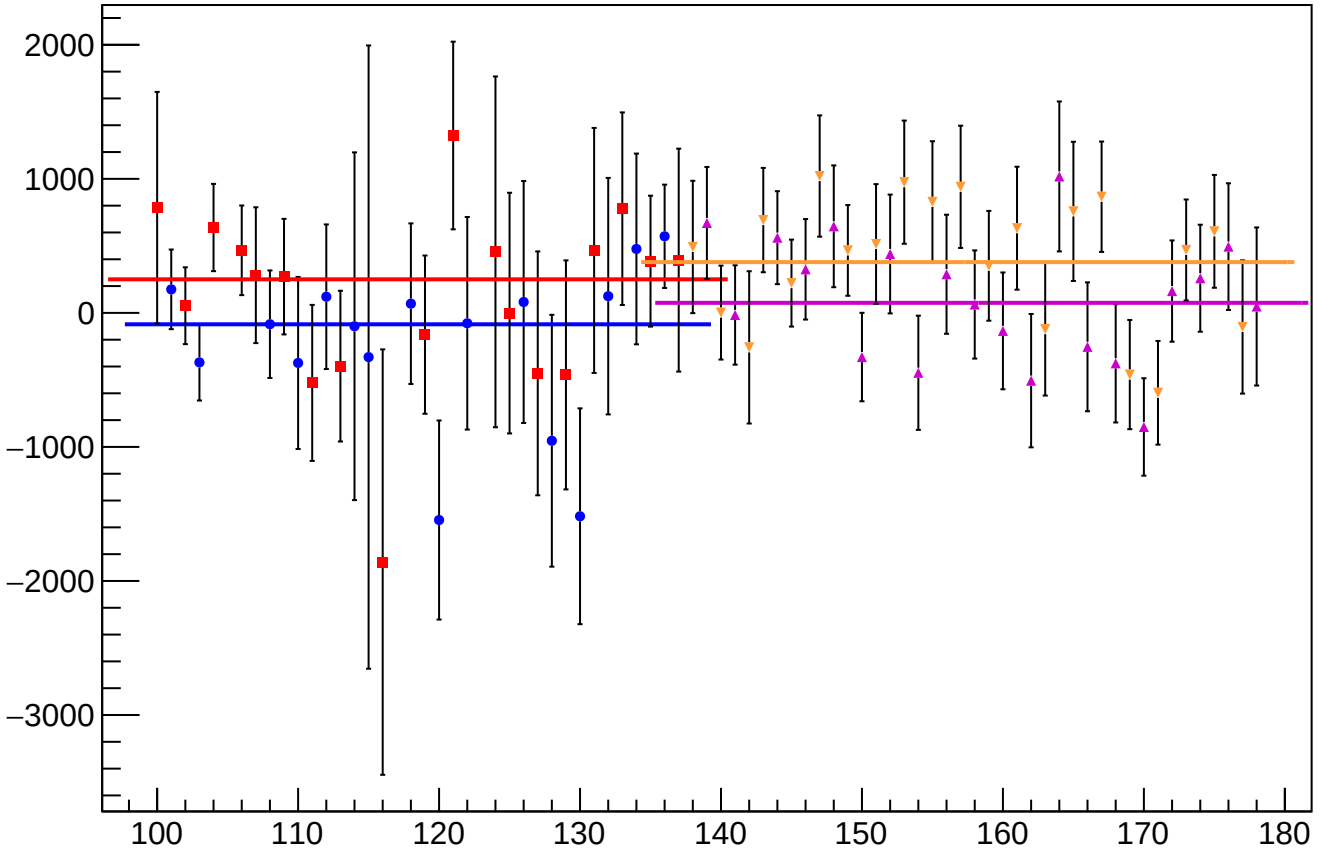
Left In: 70.101+/-0.012 χ^2/NDF:444245.9/19

+ sign 69.722+/-0.010 χ^2/NDF: 763609.5/36

All: 70.116+/-0.007 χ^2/NDF: 1540372.6/75

- sign 70.523+/-0.010 χ^2/NDF: 773728.9/38

asym_sam_37_48_dd_dit_correction_mean vs Slug



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 378.734+/-91.924 χ^2/NDF:24.9/20

Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

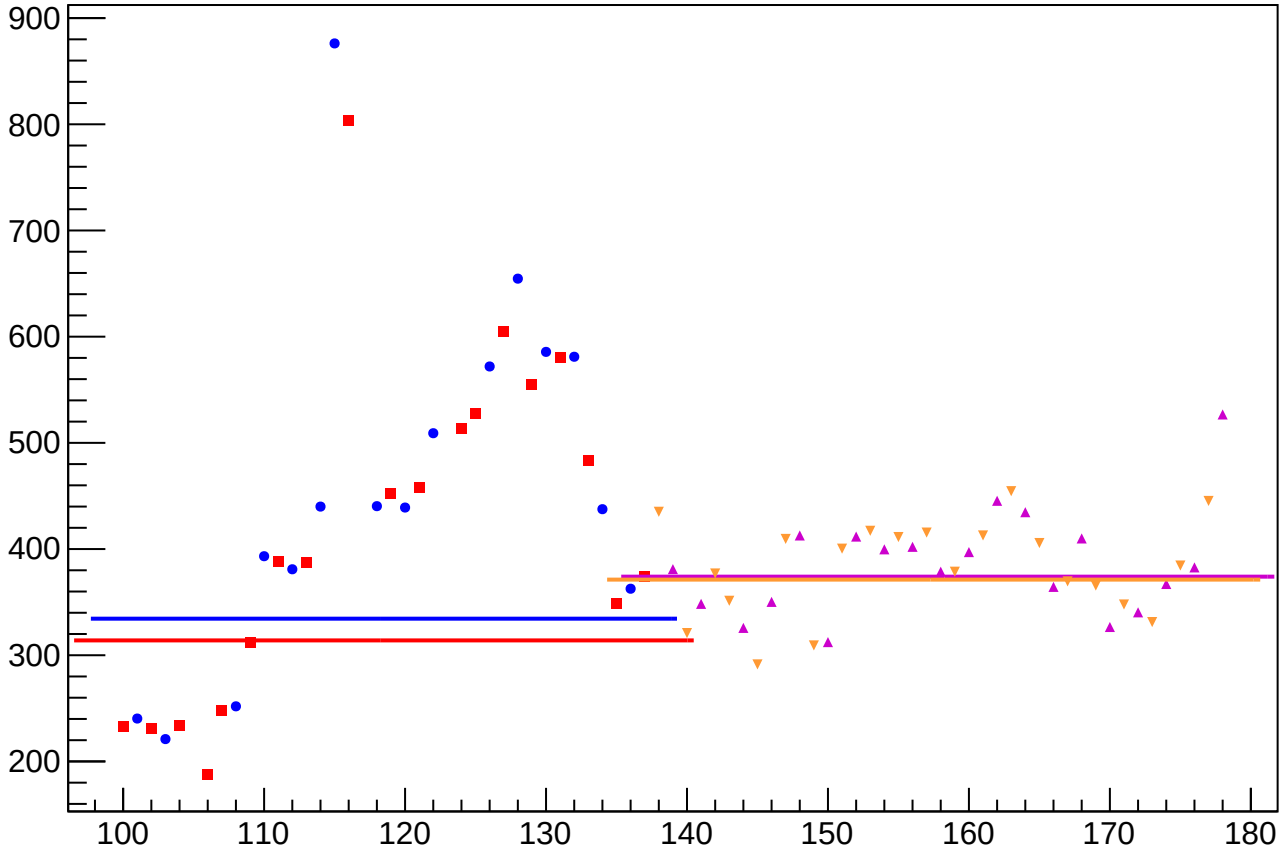
Left In: 75.002+/-93.482 χ^2/NDF:23.5/19

+ sign 228.575+/-75.597 χ^2/NDF: 46.8/36

All: 183.147+/-53.061 χ^2/NDF: 84.8/75

- sign 139.037+/-74.493 χ^2/NDF: 37.2/38

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 334.431+/-0.094 χ^2/NDF: 1730610.2/15

Left Out: 371.218+/-0.065 χ^2/NDF:504935.6/20

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

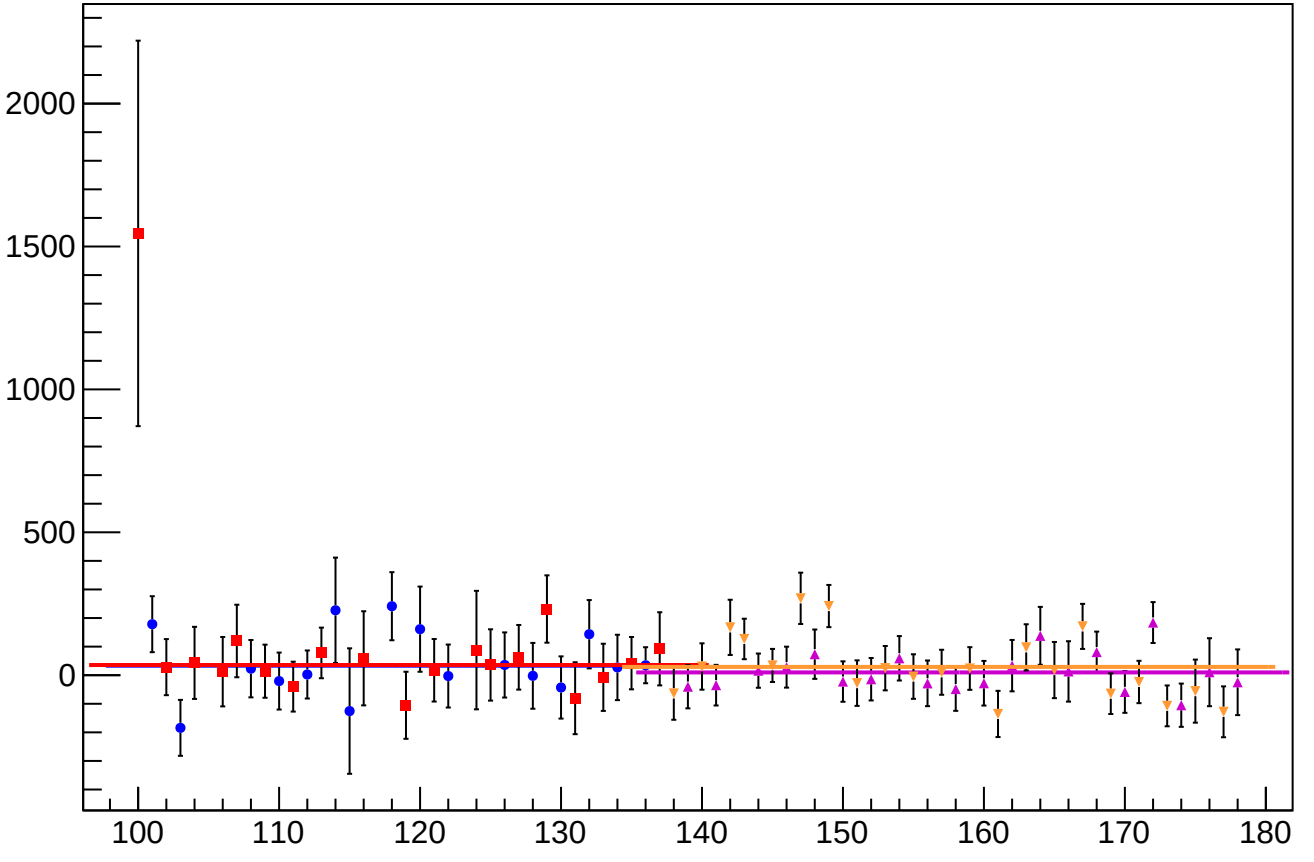
Left In: 374.008+/-0.066 χ^2/NDF:441013.9/19

+ sign 359.311+/-0.053 χ^2/NDF: 2339221.2/36

All: 355.650+/-0.038 χ^2/NDF: 4995181.5/75

- sign 352.095+/-0.053 χ^2/NDF: 2646714.2/38

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 29.010+/-17.237 χ^2/NDF:38.9/20

Right Out: 35.577+/-26.536 χ^2/NDF: 12.1/18

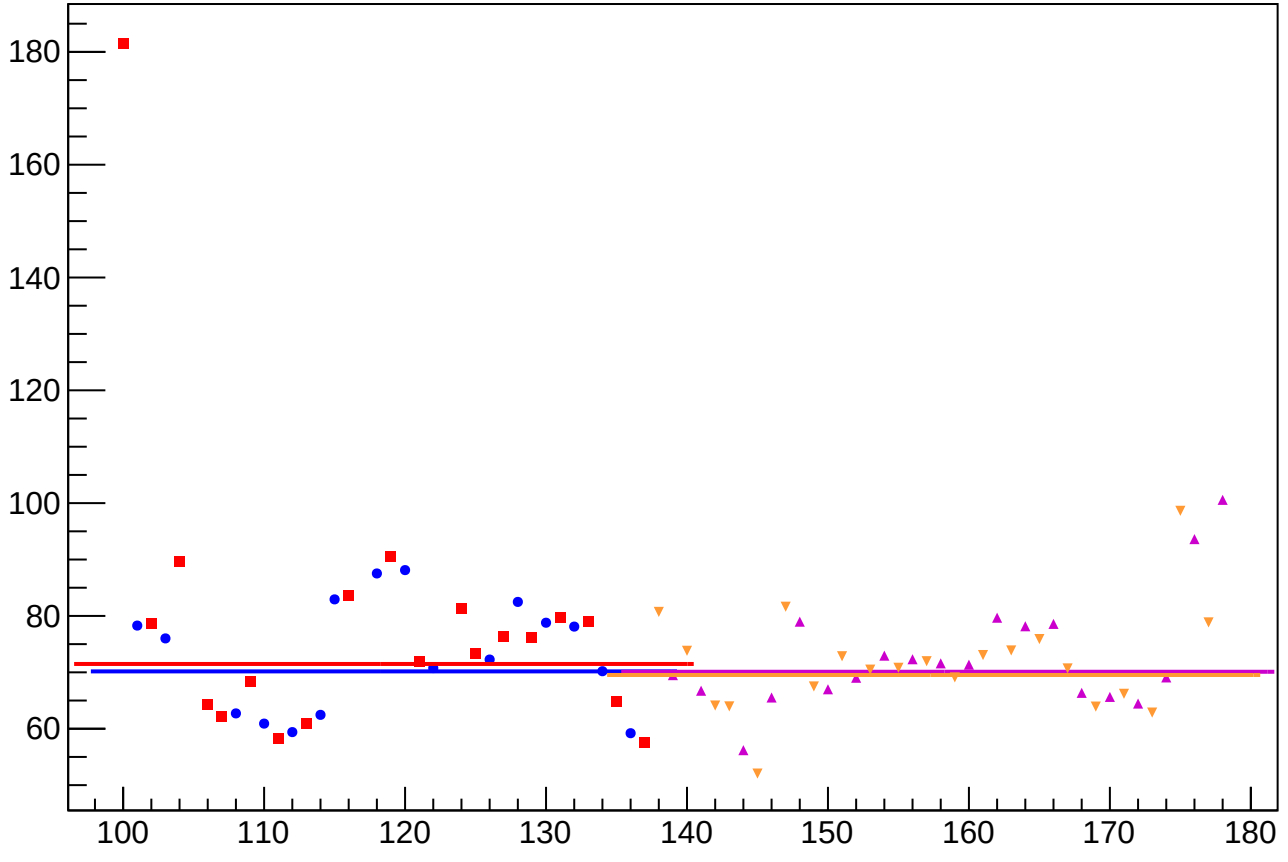
Left In: 9.717+/-17.601 χ^2/NDF:15.1/19

+ sign 30.320+/-14.435 χ^2/NDF: 53.5/36

All: 24.070+/-10.289 χ^2/NDF: 81.7/75

- sign 17.618+/-14.668 χ^2/NDF: 27.8/38

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 69.532+/-0.012 χ^2/NDF:493551.5/20

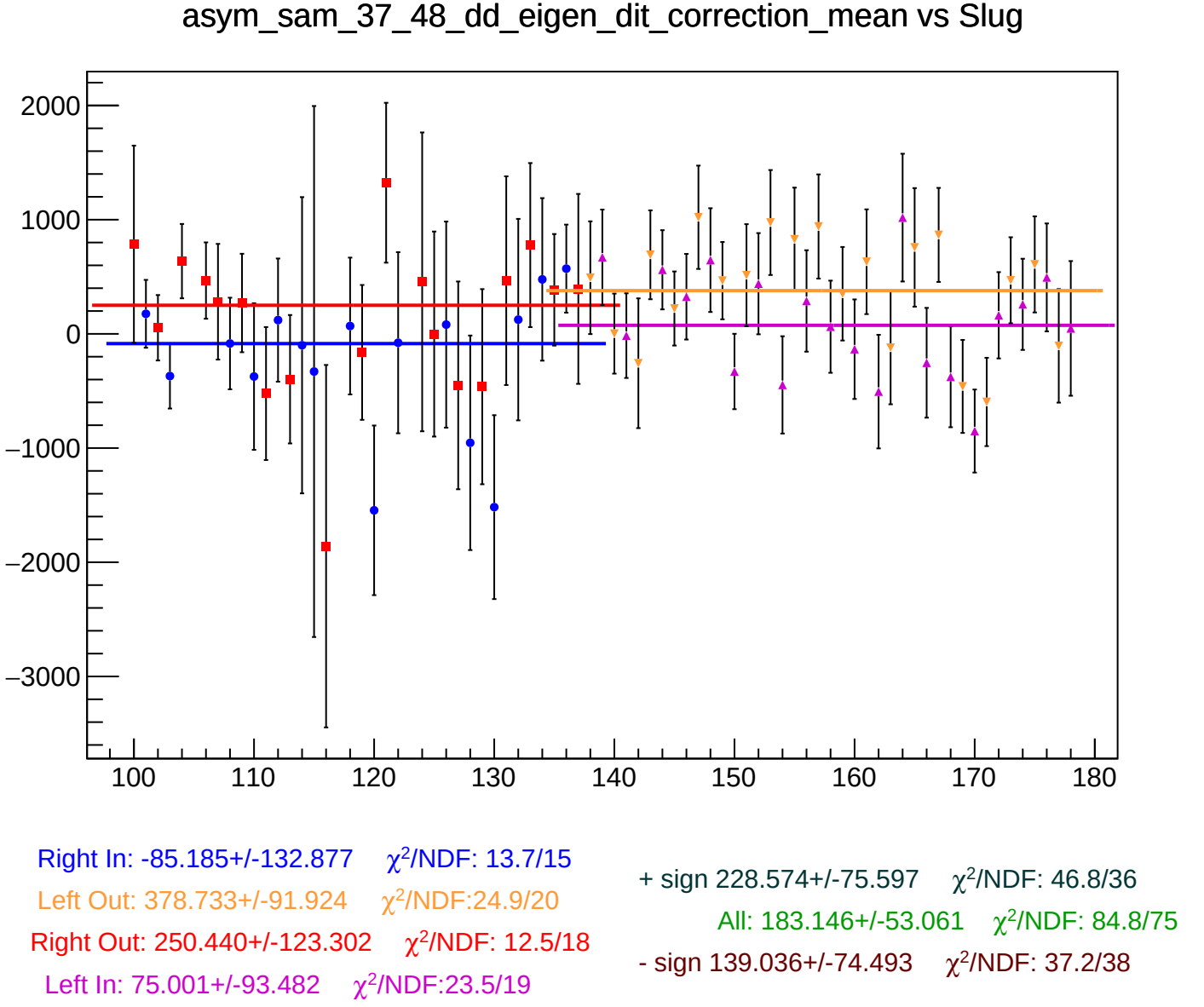
Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

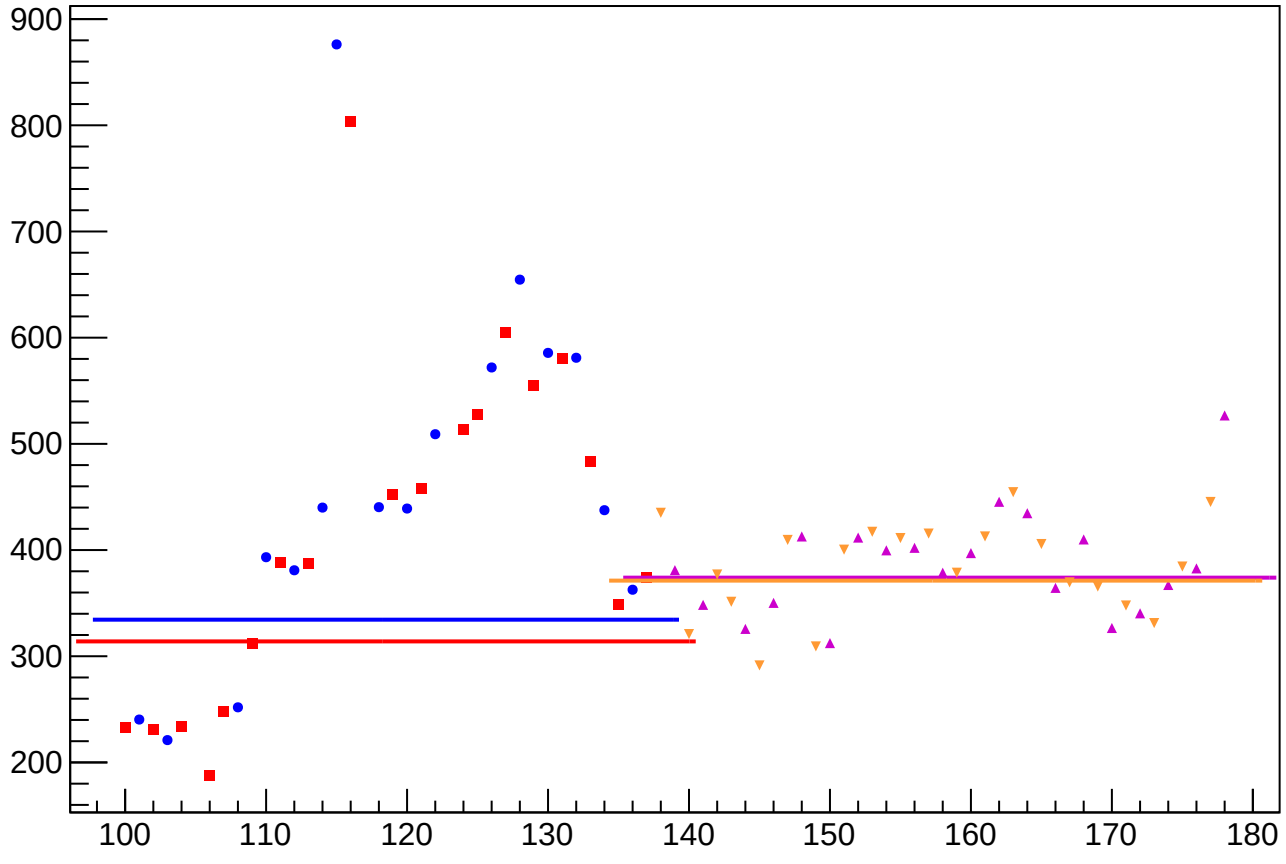
Left In: 70.101+/-0.012 χ^2/NDF:444241.7/19

+ sign 69.722+/-0.010 χ^2/NDF: 763616.6/36

All: 70.116+/-0.007 χ^2/NDF: 1540382.5/75

- sign 70.523+/-0.010 χ^2/NDF: 773731.8/38


asym_sam_37_48_dd_eigen_dit_correction_mean vs Slug
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
180
Right In: -85.185+/-132.877 χ²/NDF: 13.7/15
Left Out: 378.733+/-91.924 χ²/NDF:24.9/20
Right Out: 250.440+/-123.302 χ²/NDF: 12.5/18
Left In: 75.001+/-93.482 χ²/NDF:23.5/19
+ sign 228.574+/-75.597 χ²/NDF: 46.8/36
All: 183.146+/-53.061 χ²/NDF: 84.8/75
- sign 139.036+/-74.493 χ²/NDF: 37.2/38



Right In: 334.431+/-0.094 χ^2/NDF: 1730609.3/15

Left Out: 371.218+/-0.065 χ^2/NDF:504938.2/20

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

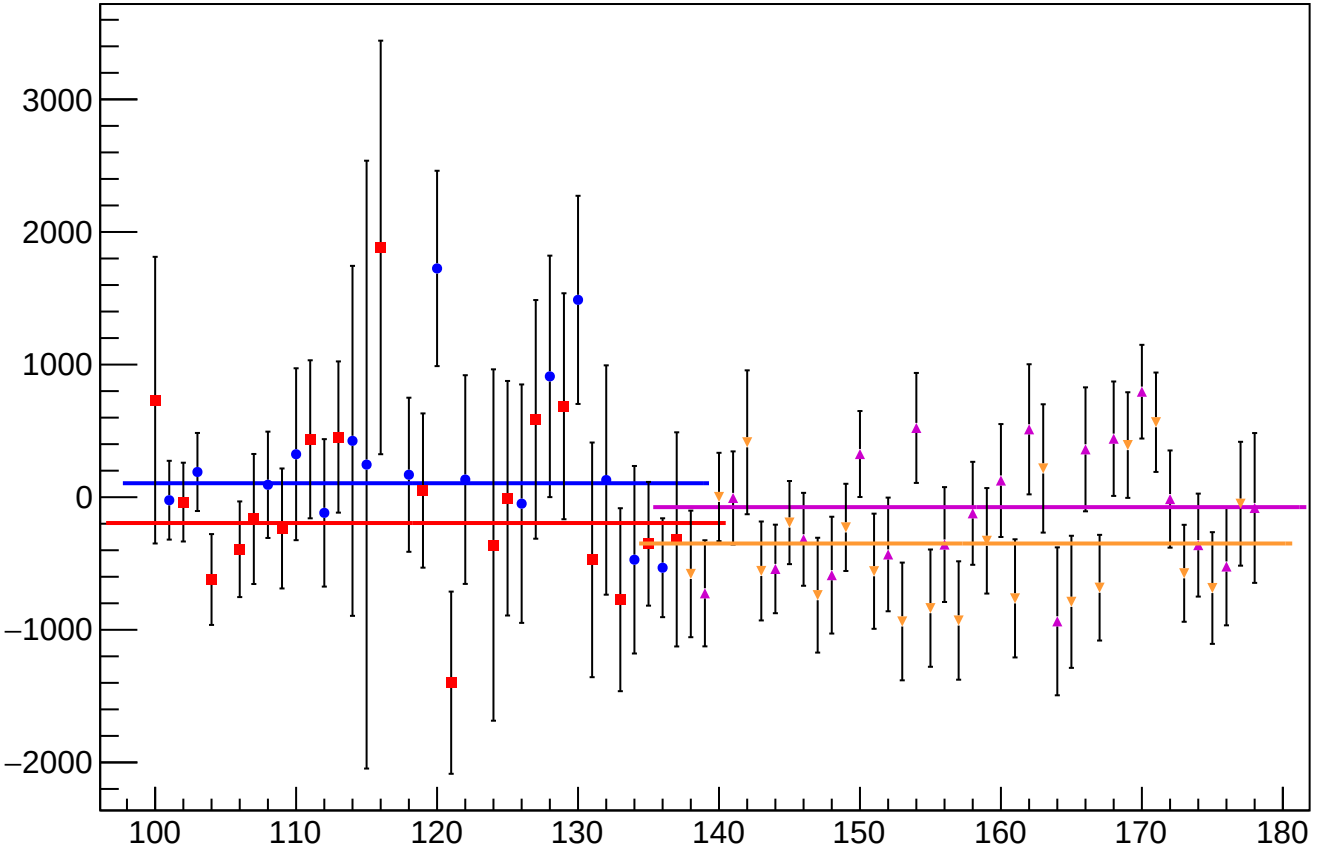
Left In: 374.008+/-0.066 χ^2/NDF:441011.6/19

+ sign 359.311+/-0.053 χ^2/NDF: 2339220.1/36

All: 355.649+/-0.038 χ^2/NDF: 4995174.3/75

- sign 352.094+/-0.053 χ^2/NDF: 2646708.1/38

asym_sam_37_48_dd_mean vs Slug



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -349.139+/-88.961 χ^2/NDF:24.3/20

Right Out: -194.712+/-126.198 χ^2/NDF: 13.1/18

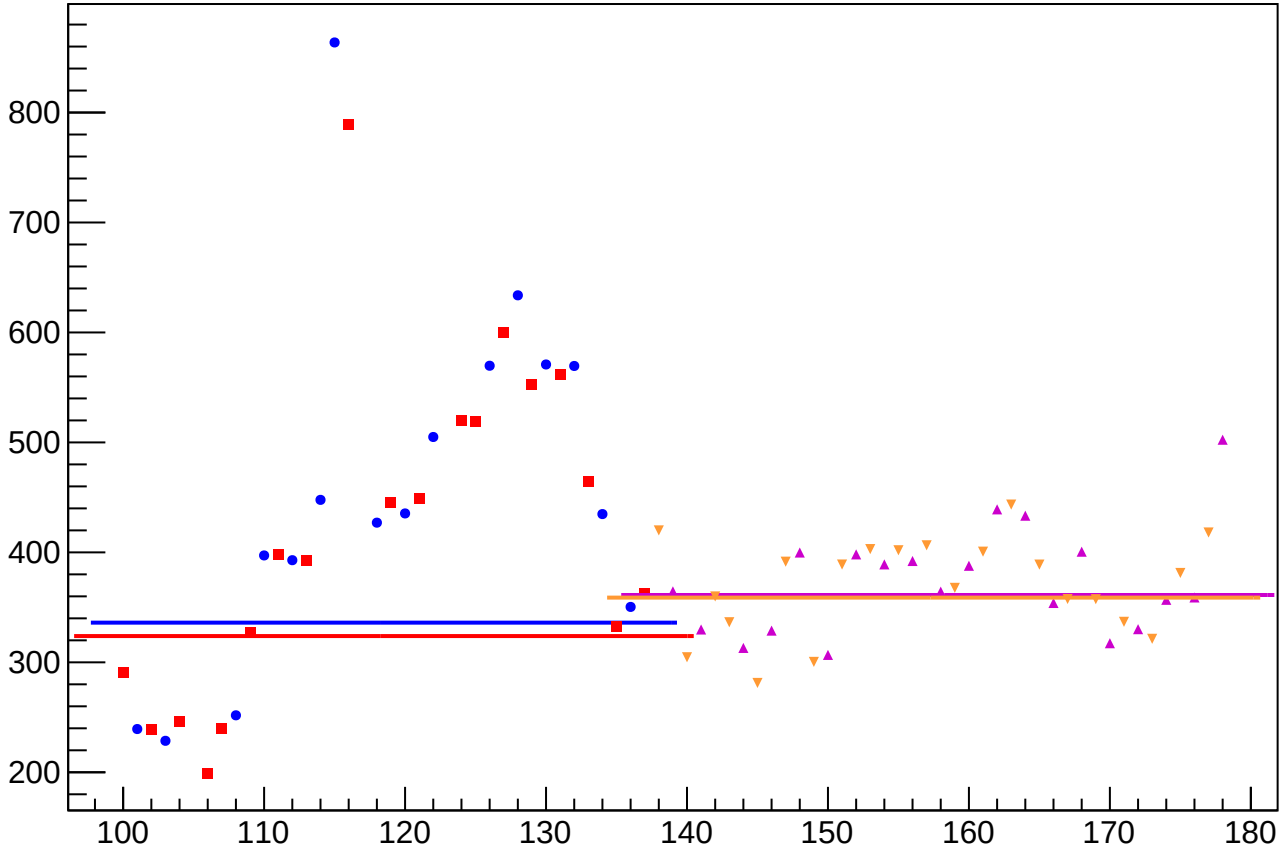
Left In: -74.861+/-90.346 χ^2/NDF:25.2/19

+ sign -208.708+/-73.952 χ^2/NDF: 45.3/36

All: -161.780+/-52.118 χ^2/NDF: 85.0/75

- sign -115.473+/-73.461 χ^2/NDF: 38.9/38

asym_sam_37_48_dd_rms vs Slug



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 358.858+/-0.063 χ^2/NDF:514171.1/20

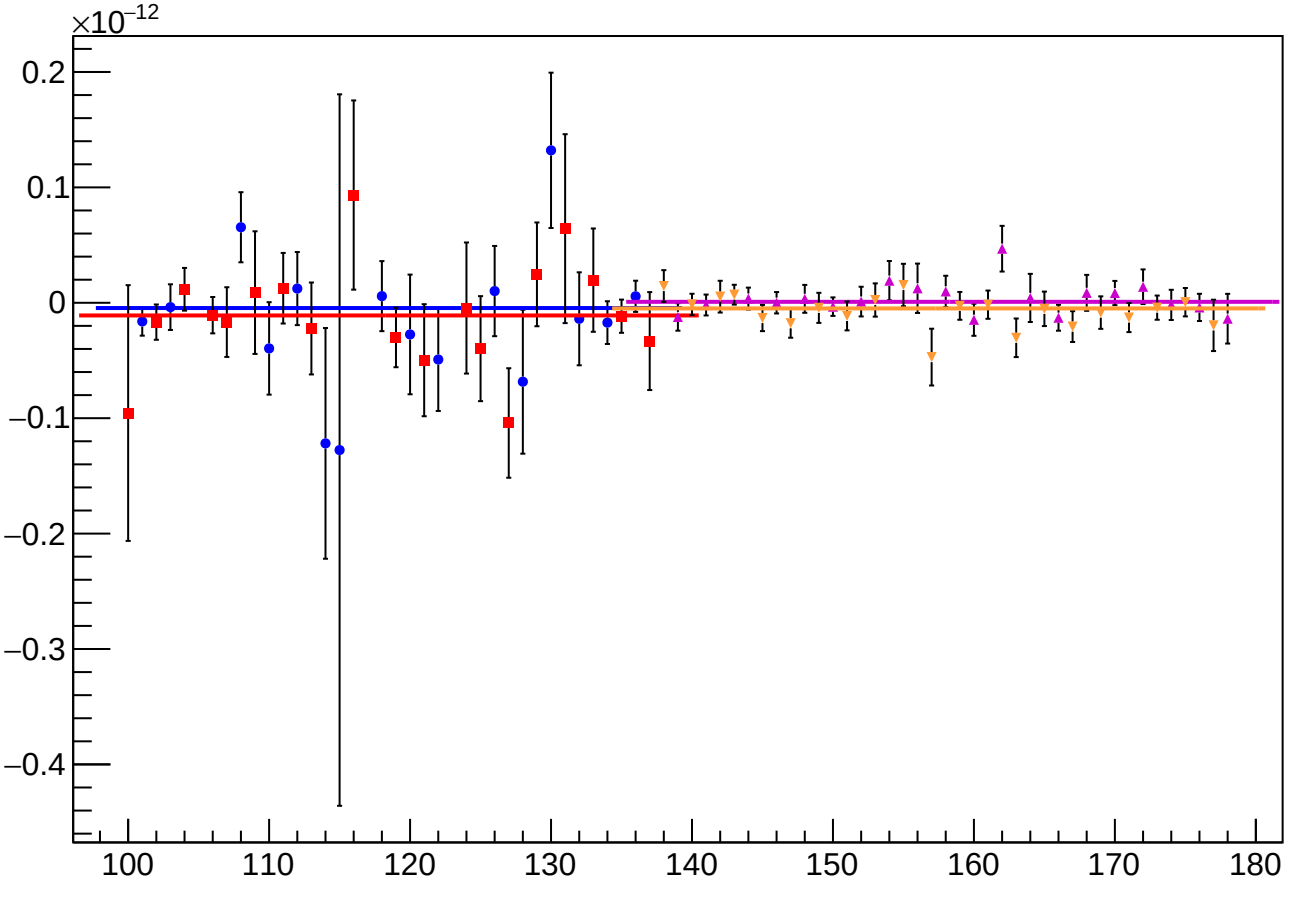
Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 361.232+/-0.064 χ^2/NDF:460043.3/19

+ sign 351.824+/-0.052 χ^2/NDF: 2173635.2/36

All: 350.190+/-0.037 χ^2/NDF: 4416845.7/75

- sign 348.577+/-0.052 χ^2/NDF: 2241269.8/38



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.8/20

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

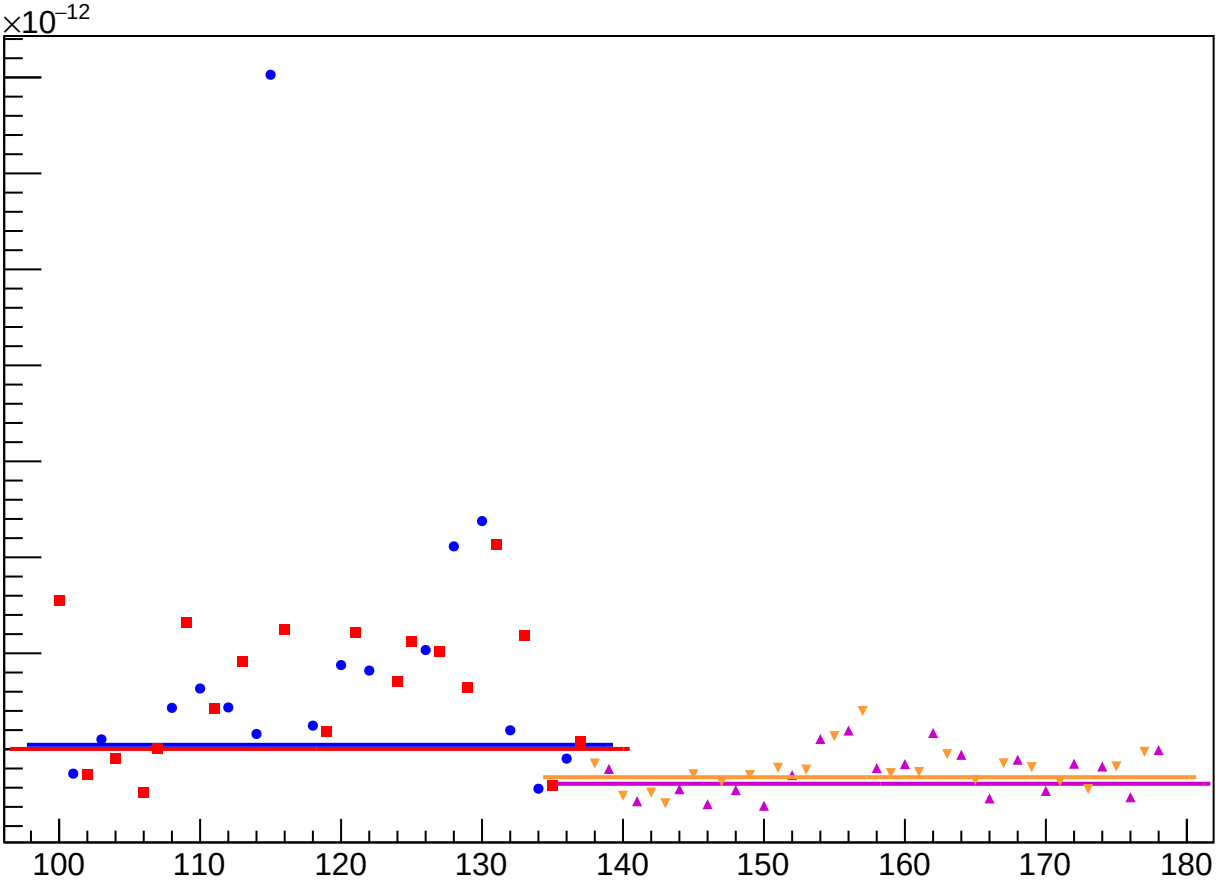
Left In: 0.000+/-0.000 χ^2/NDF:14.0/19

+ sign -0.000+/-0.000 χ^2/NDF: 32.3/36

All: -0.000+/-0.000 χ^2/NDF: 62.6/75

- sign -0.000+/-0.000 χ^2/NDF: 29.2/38

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:782526.7/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

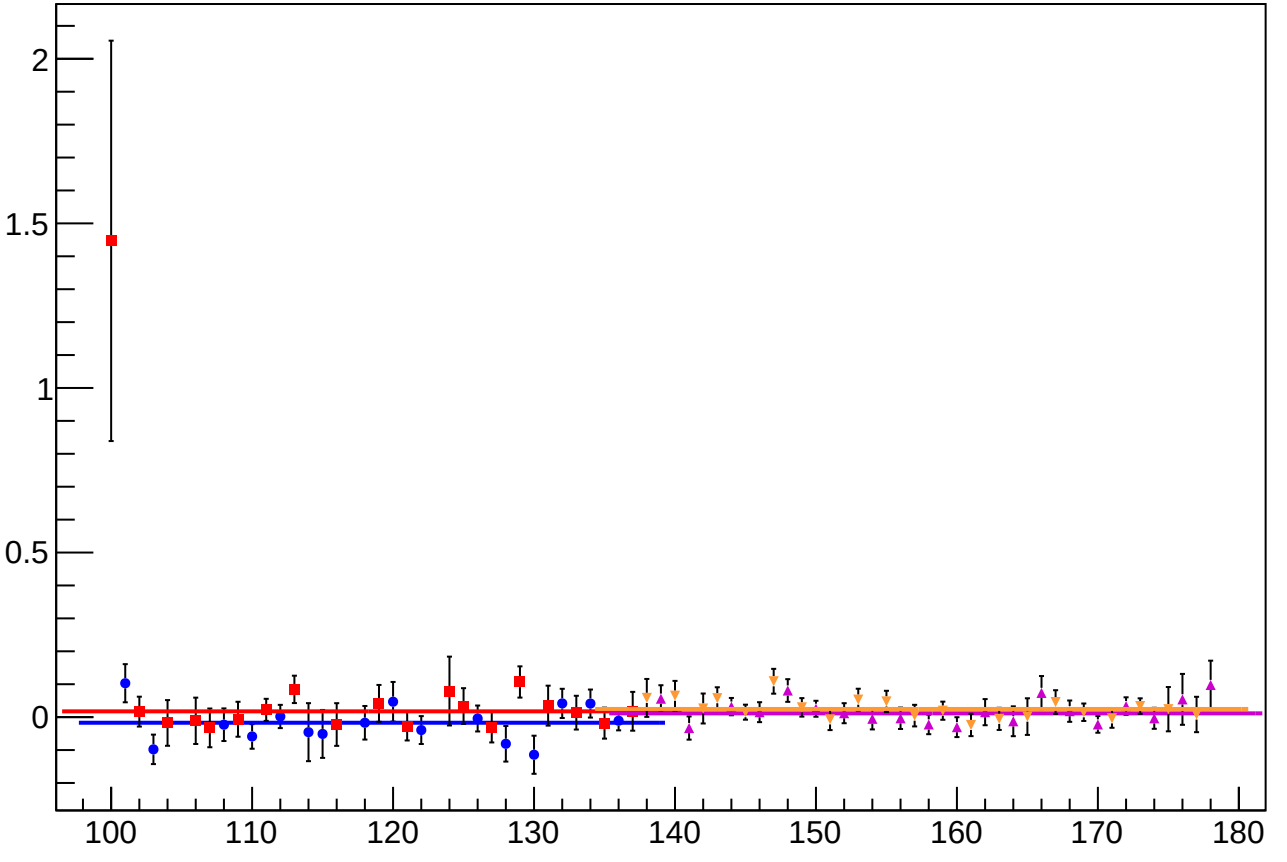
Left In: 0.000+/-0.000 χ^2/NDF:1203971.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 2427429.2/36

All: 0.000+/-0.000 χ^2/NDF: 5653870.1/75

- sign 0.000+/-0.000 χ^2/NDF: 3160437.5/38

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: 0.025+/-0.007 χ^2/NDF:14.6/20

Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

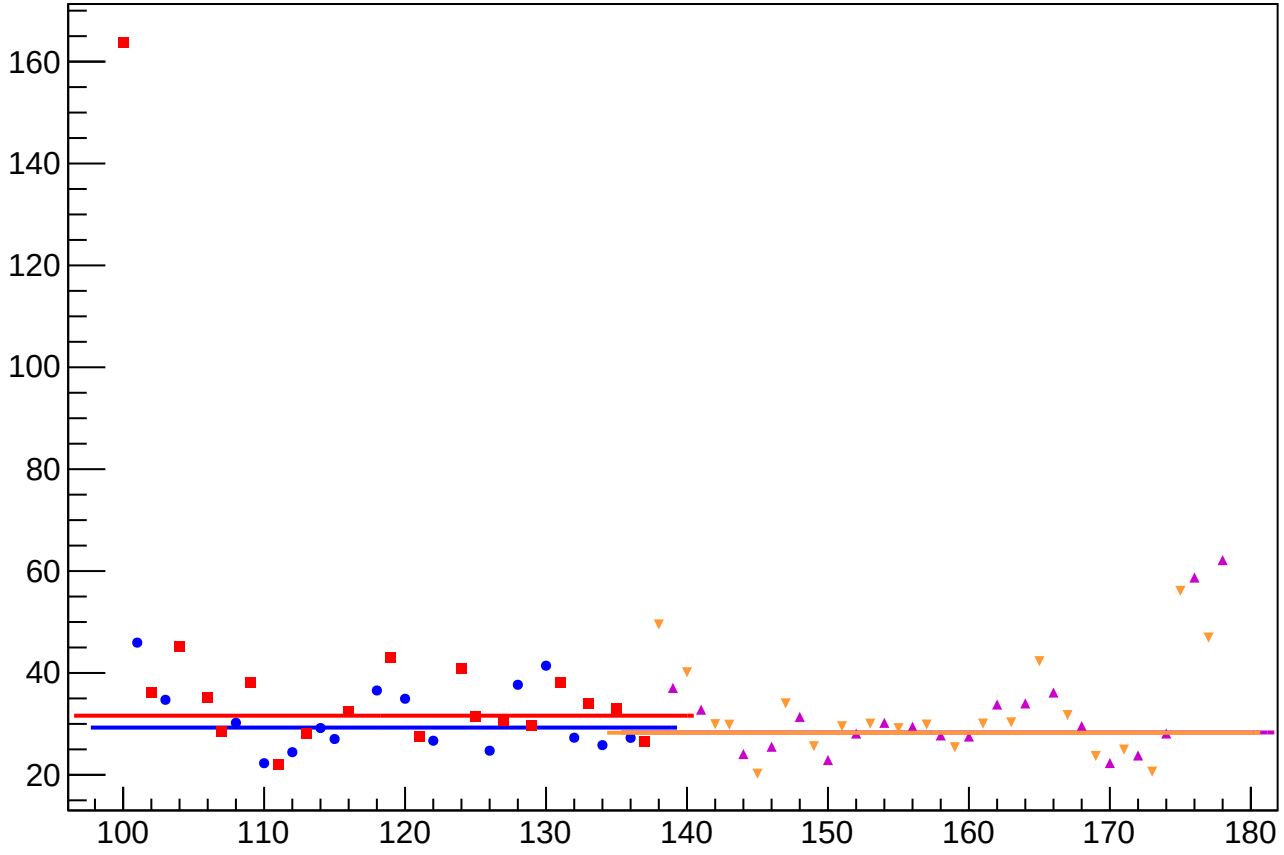
Left In: 0.011+/-0.007 χ^2/NDF:17.6/19

+ sign 0.013+/-0.006 χ^2/NDF: 43.1/36

All: 0.013+/-0.004 χ^2/NDF: 77.8/75

- sign 0.013+/-0.006 χ^2/NDF: 34.6/38

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: 28.270+/-0.005 χ^2/NDF:1807234.8/20

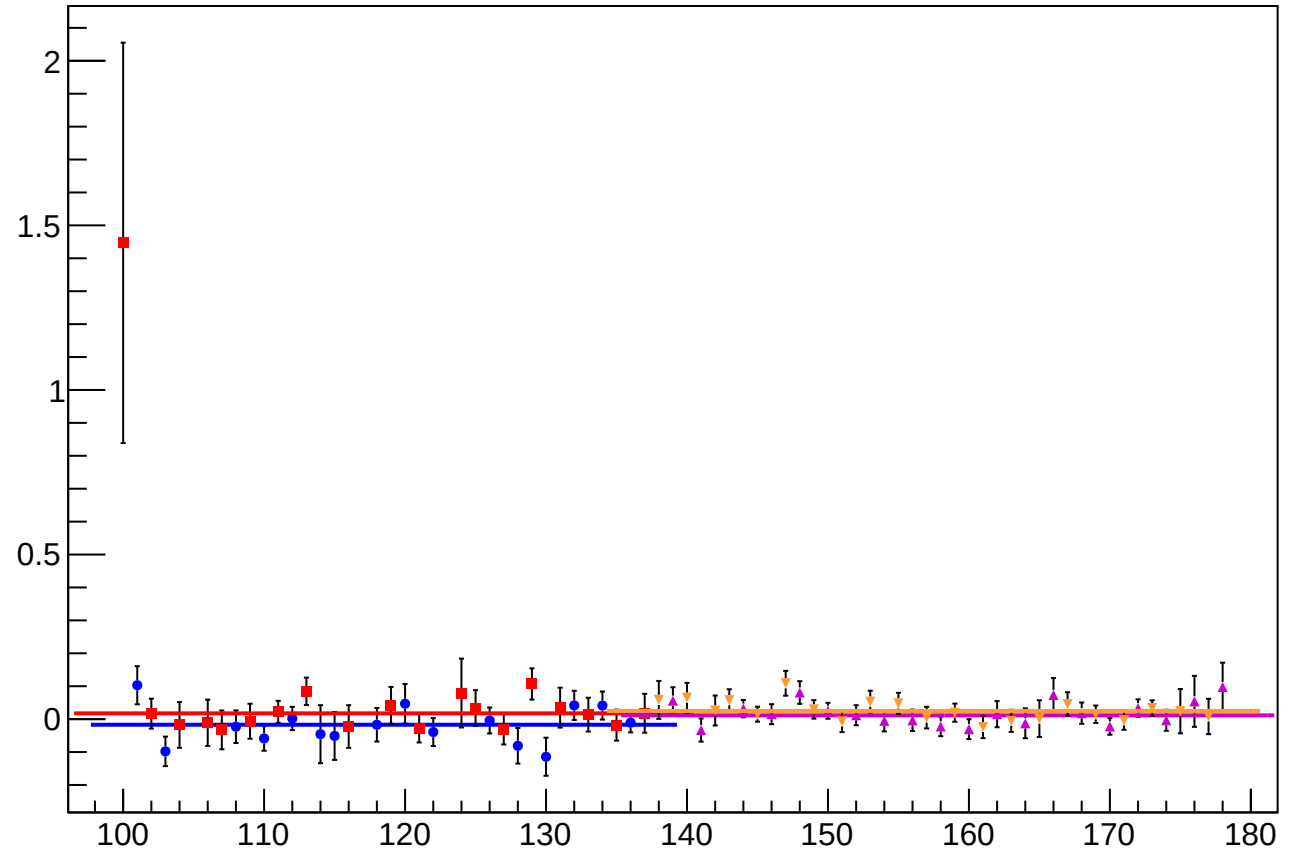
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.320+/-0.005 χ^2/NDF:1339642.1/19

\+ sign 28.563+/-0.004 χ^2/NDF: 2379102.3/36

All: 28.877+/-0.003 χ^2/NDF: 4409966.8/75

\- sign 29.209+/-0.004 χ^2/NDF: 2019992.1/38



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:14.6/20

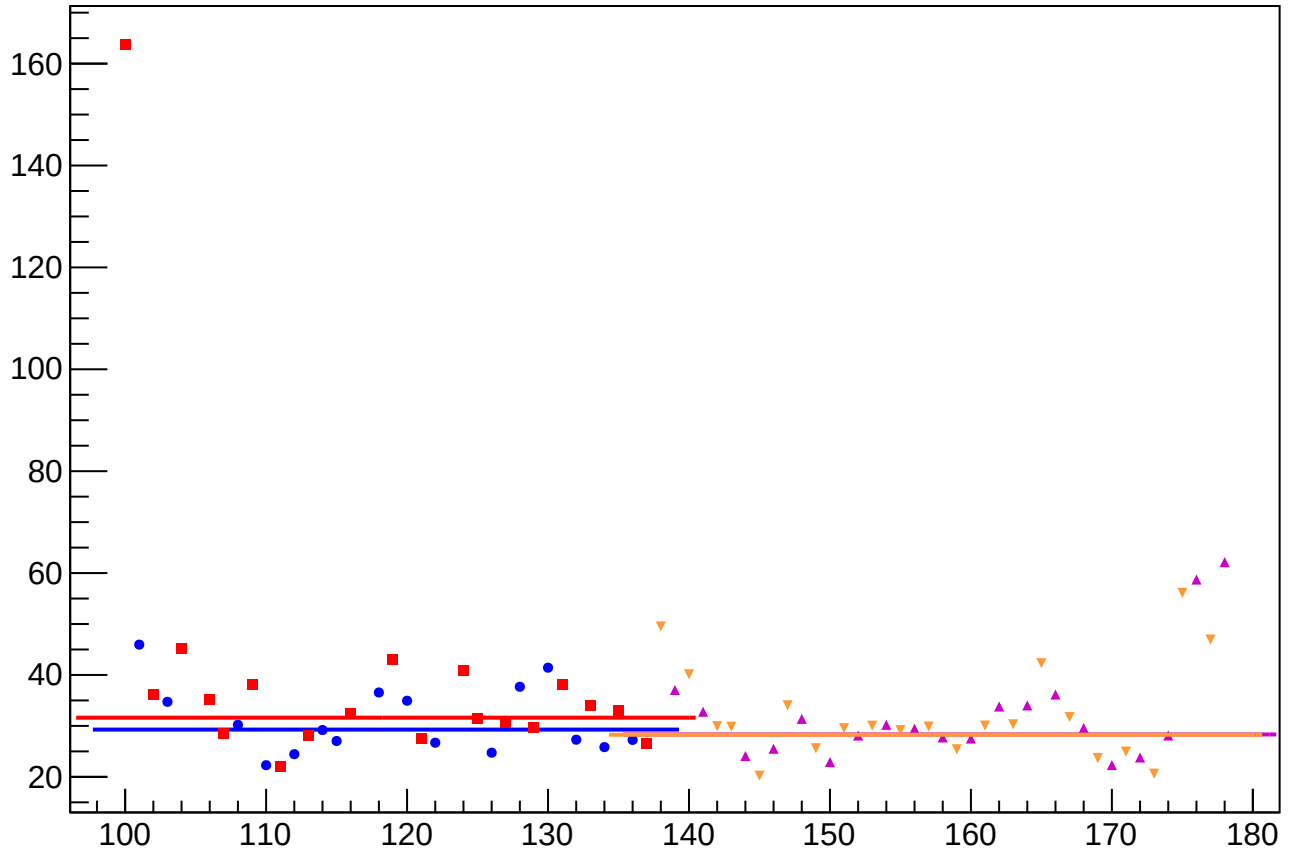
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.011+/-0.007 χ^2/NDF:17.6/19

+ sign 0.013+/-0.006 χ^2/NDF: 43.1/36

All: 0.013+/-0.004 χ^2/NDF: 77.8/75

- sign 0.013+/-0.006 χ^2/NDF: 34.6/38



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.270+/-0.005 χ^2/NDF:1807234.8/20

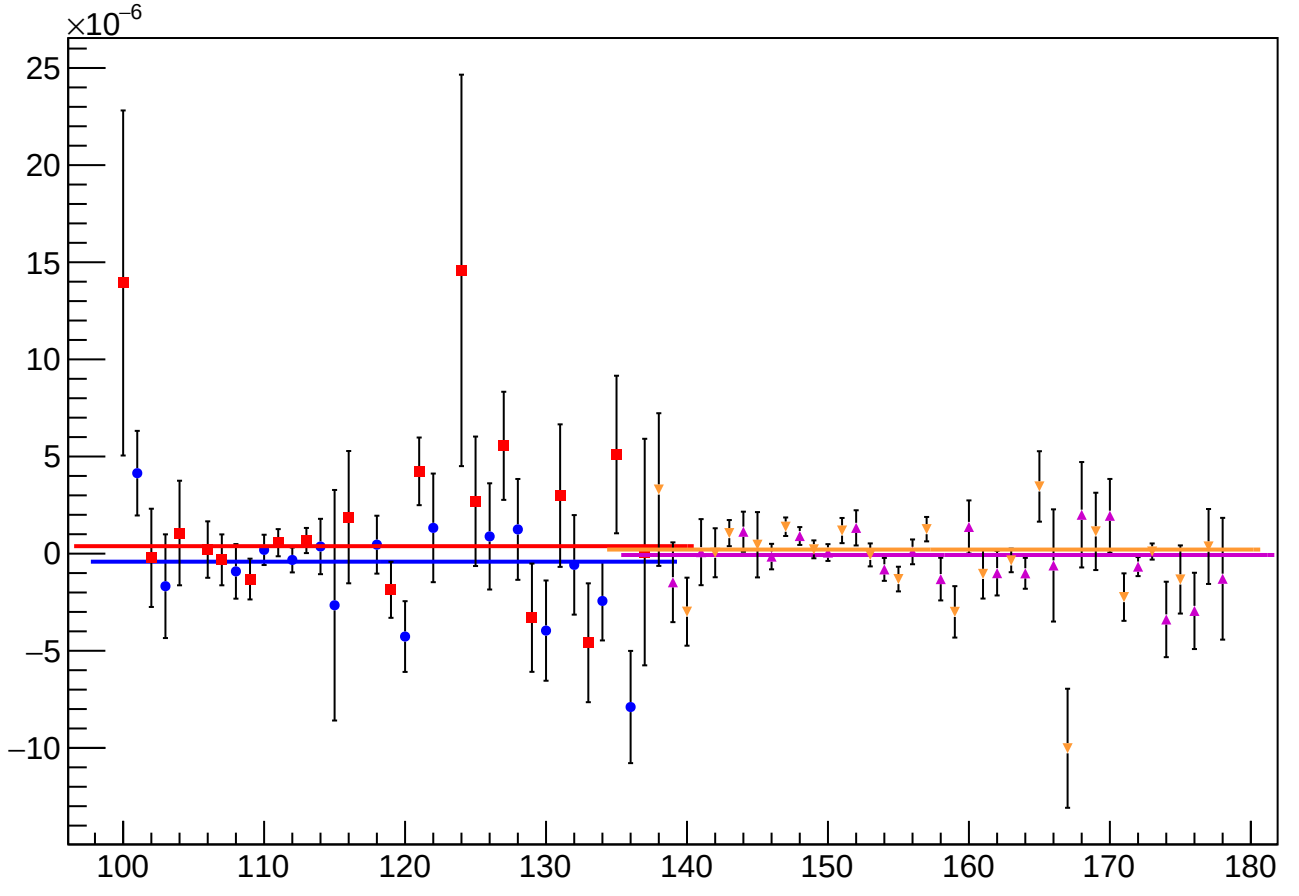
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.320+/-0.005 χ^2/NDF:1339642.1/19

+ sign 28.563+/-0.004 χ^2/NDF: 2379102.3/36

All: 28.877+/-0.003 χ^2/NDF: 4409966.8/75

- sign 29.209+/-0.004 χ^2/NDF: 2019992.1/38



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:49.8/20

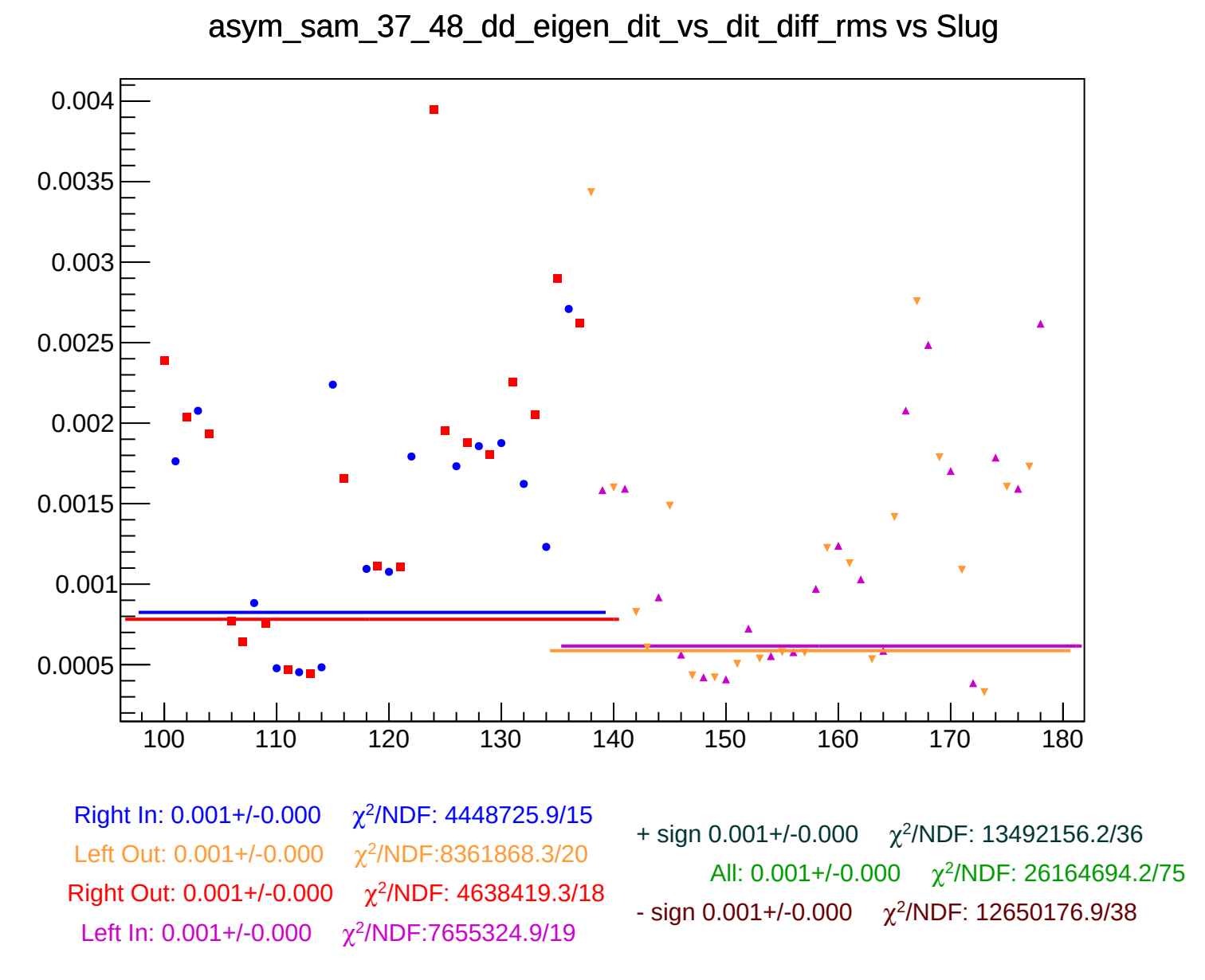
Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/18

Left In: -0.000+/-0.000 χ^2/NDF:23.4/19

+ sign 0.000+/-0.000 χ^2/NDF: 73.4/36

All: 0.000+/-0.000 χ^2/NDF: 123.5/75

- sign 0.000+/-0.000 χ^2/NDF: 50.0/38


asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
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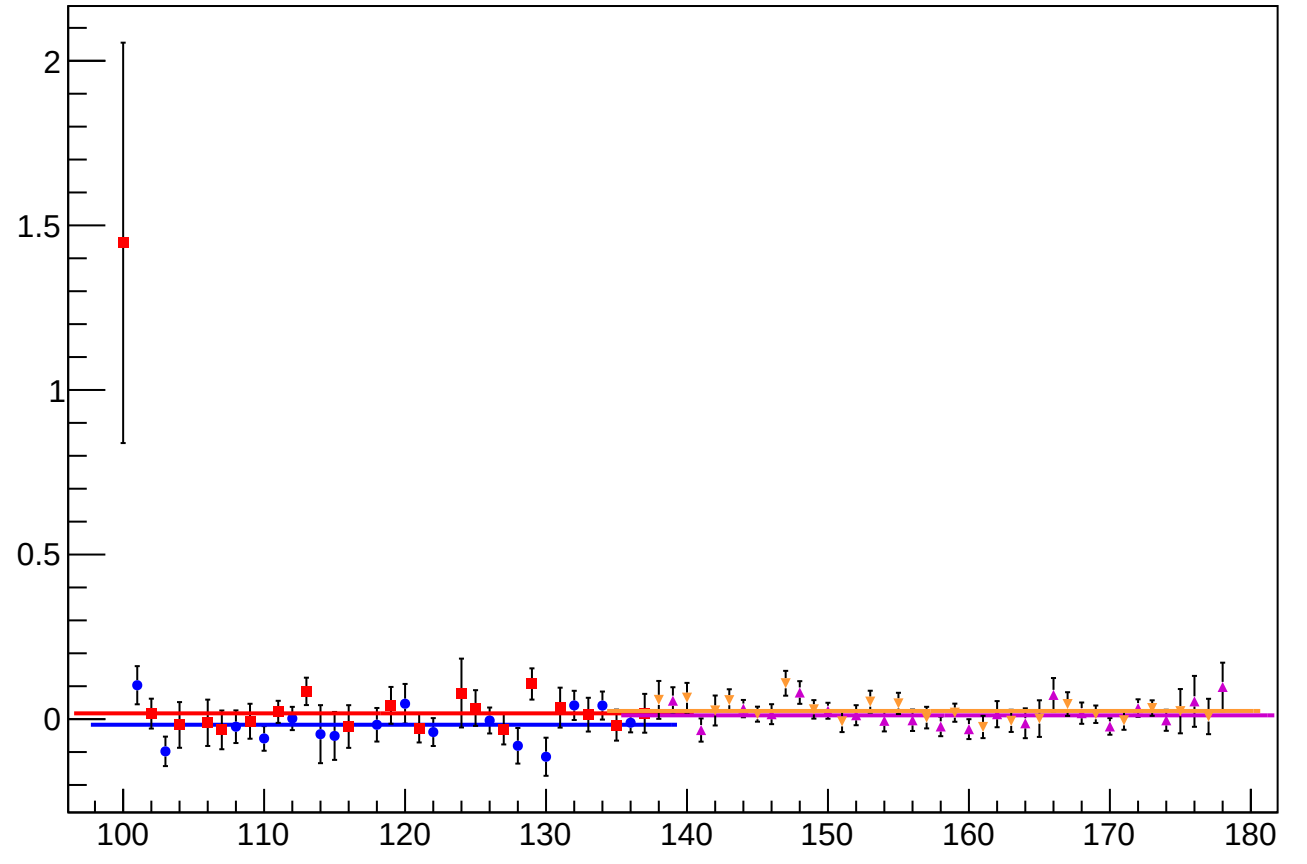
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 4448725.9/15
Left Out: 0.001+/-0.000 χ²/NDF:8361868.3/20
Right Out: 0.001+/-0.000 χ²/NDF: 4638419.3/18
Left In: 0.001+/-0.000 χ²/NDF:7655324.9/19
+ sign 0.001+/-0.000 χ²/NDF: 13492156.2/36
All: 0.001+/-0.000 χ²/NDF: 26164694.2/75
- sign 0.001+/-0.000 χ²/NDF: 12650176.9/38



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:14.6/20

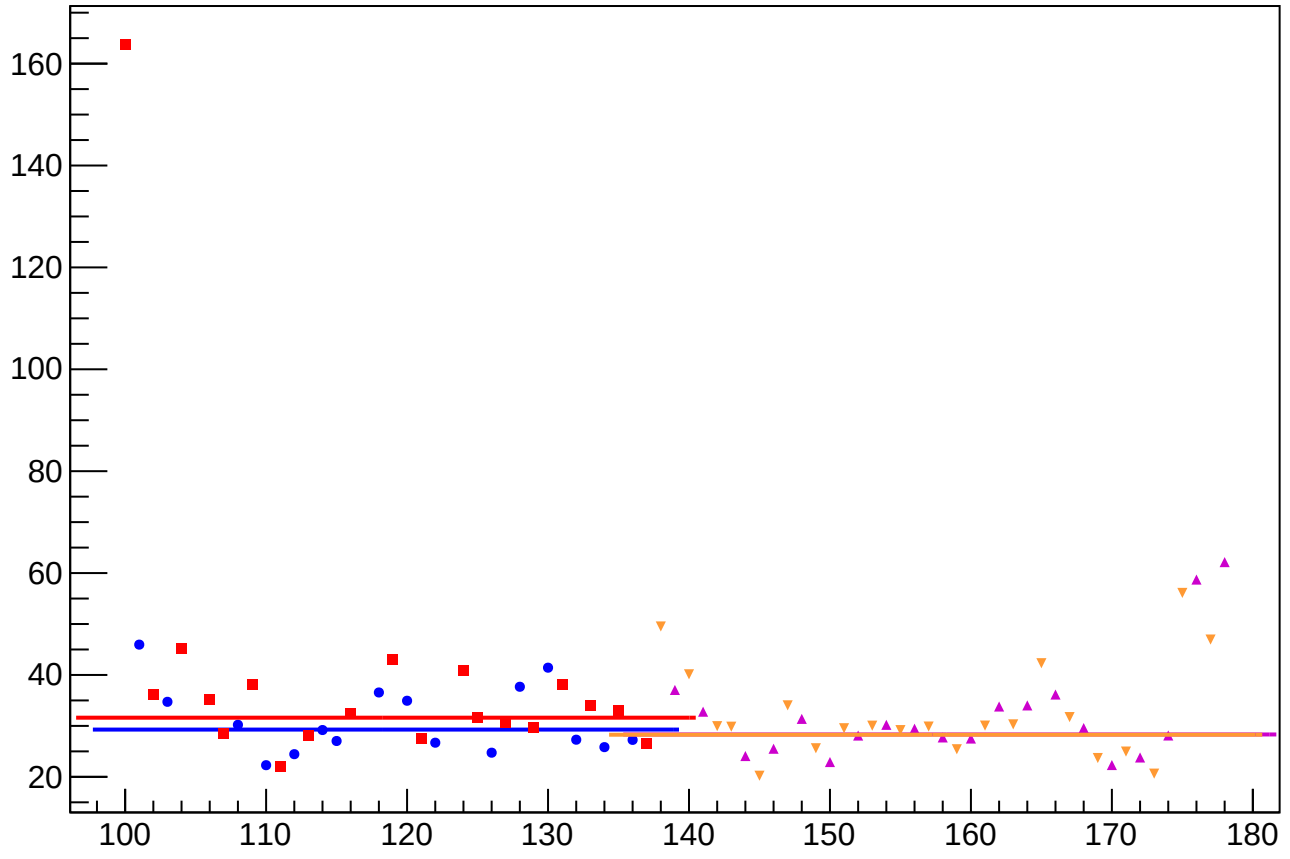
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.011+/-0.007 χ^2/NDF:17.6/19

+ sign 0.013+/-0.006 χ^2/NDF: 43.1/36

All: 0.013+/-0.004 χ^2/NDF: 77.8/75

- sign 0.013+/-0.006 χ^2/NDF: 34.6/38



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 28.270+/-0.005 χ^2/NDF:1807275.7/20

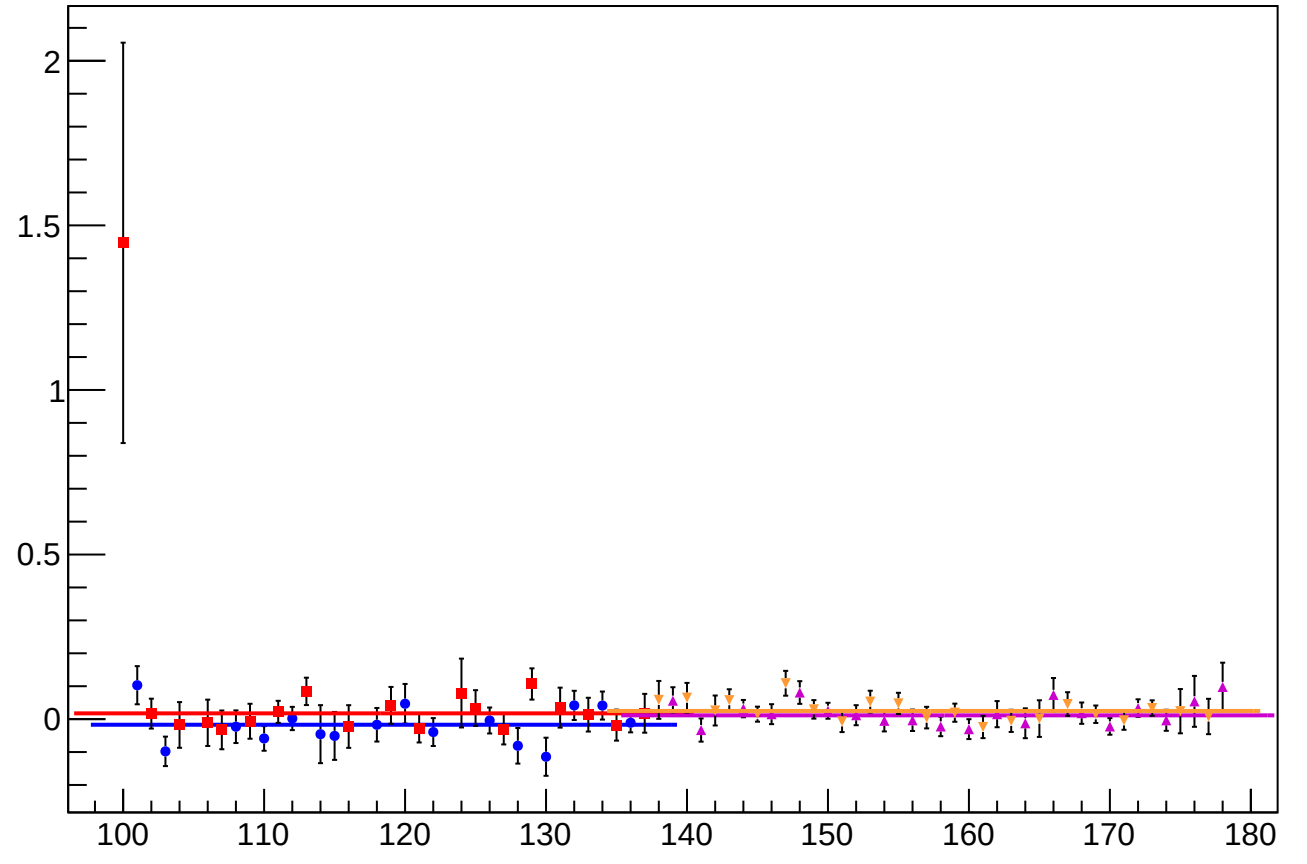
Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 28.319+/-0.005 χ^2/NDF:1339606.7/19

+ sign 28.563+/-0.004 χ^2/NDF: 2379150.1/36

All: 28.877+/-0.003 χ^2/NDF: 4410005.5/75

- sign 29.209+/-0.004 χ^2/NDF: 2019981.8/38



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:14.6/20

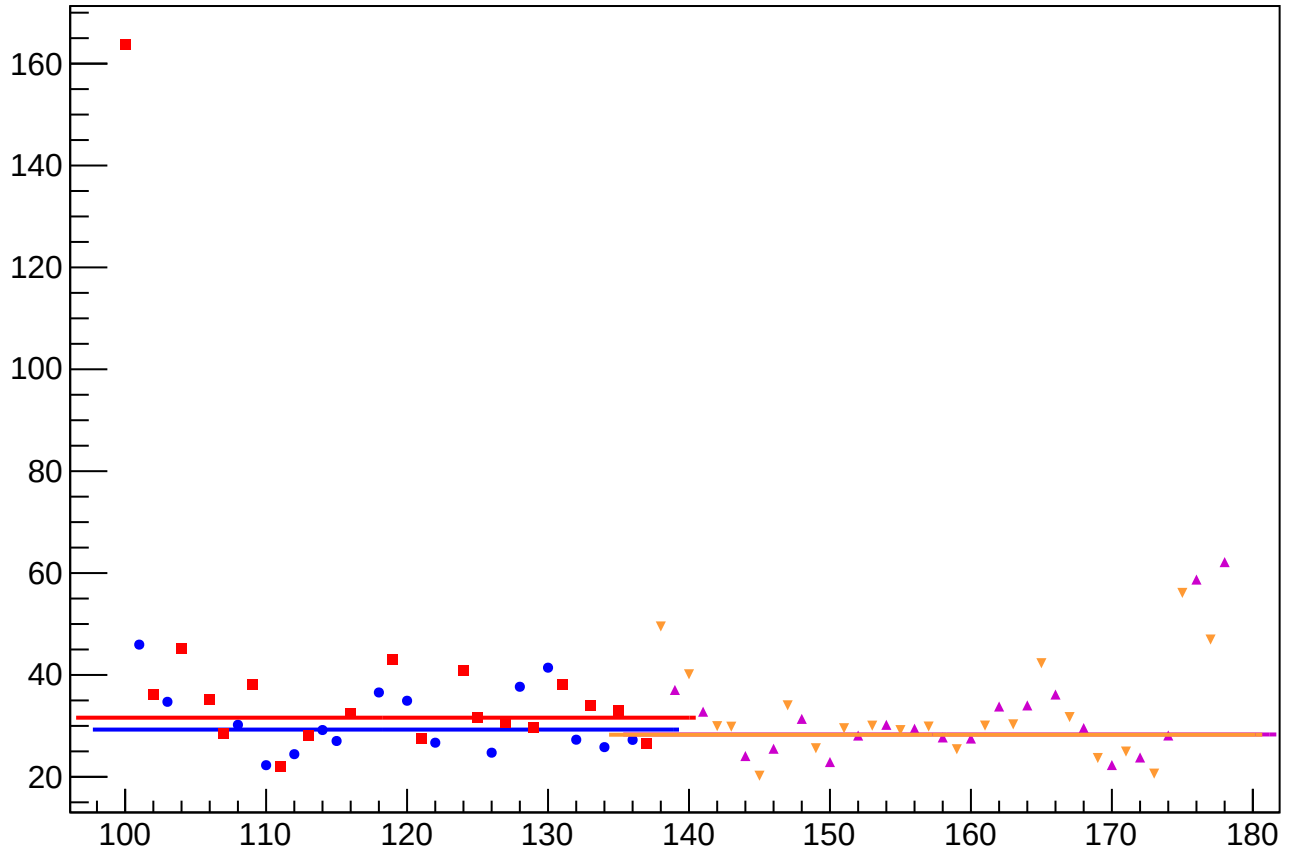
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.011+/-0.007 χ^2/NDF:17.6/19

+ sign 0.013+/-0.006 χ^2/NDF: 43.1/36

All: 0.013+/-0.004 χ^2/NDF: 77.8/75

- sign 0.013+/-0.006 χ^2/NDF: 34.6/38



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 28.270+/-0.005 χ^2/NDF:1807275.7/20

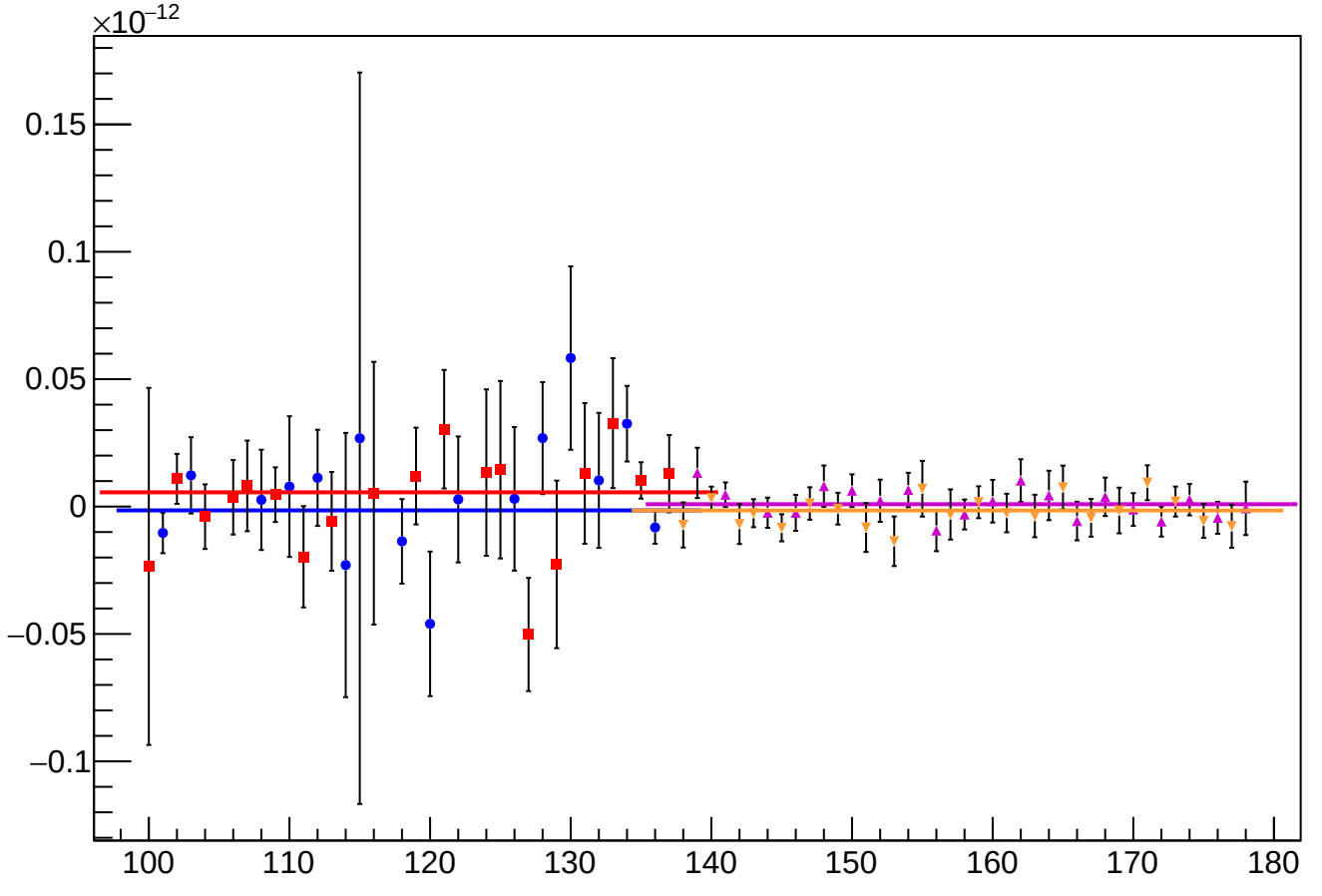
Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 28.319+/-0.005 χ^2/NDF:1339606.7/19

+ sign 28.563+/-0.004 χ^2/NDF: 2379150.1/36

All: 28.877+/-0.003 χ^2/NDF: 4410005.5/75

- sign 29.209+/-0.004 χ^2/NDF: 2019981.8/38



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.0/20

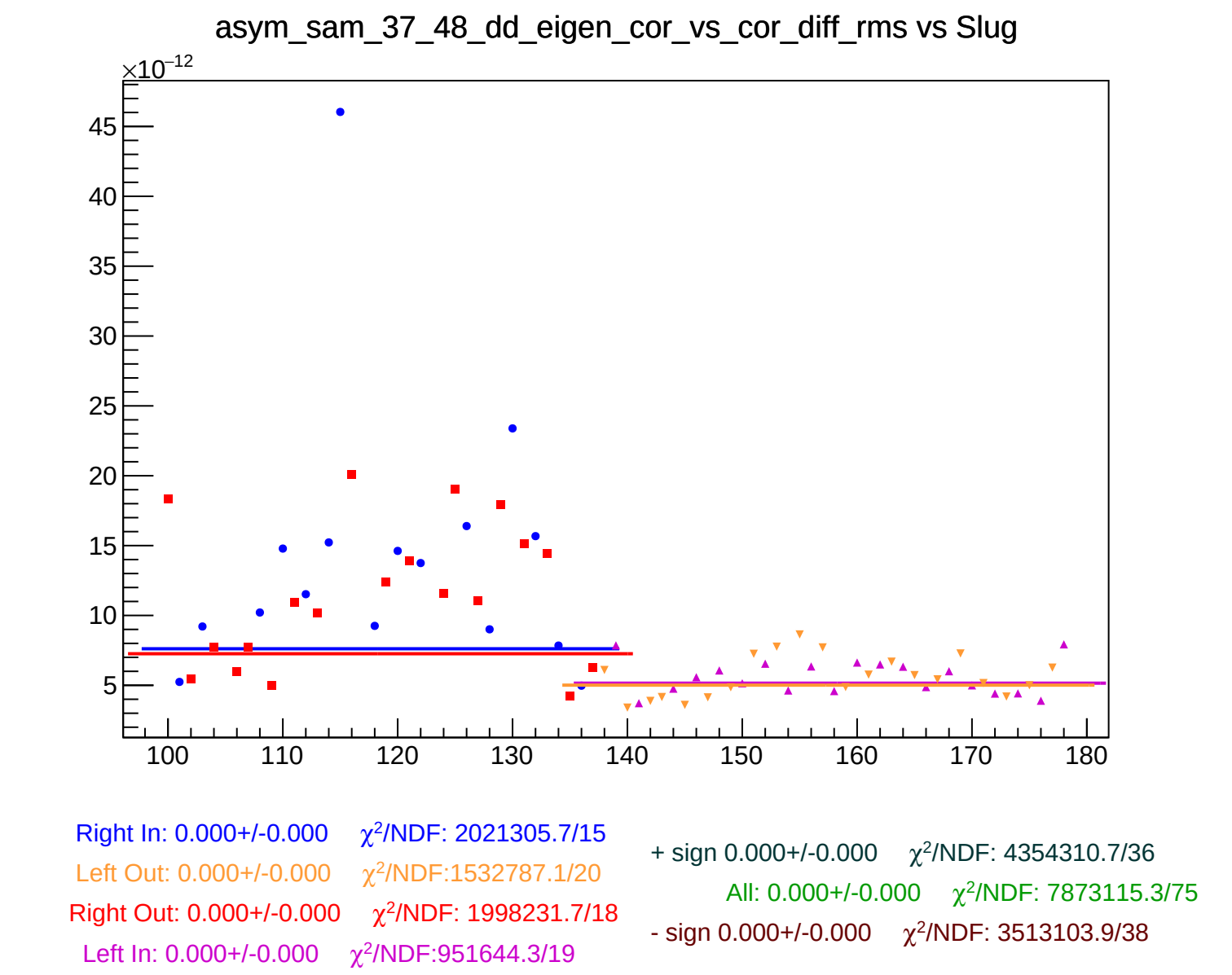
Right Out: 0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: 0.000+/-0.000 χ^2/NDF:11.5/19

+ sign -0.000+/-0.000 χ^2/NDF: 29.0/36

All: 0.000+/-0.000 χ^2/NDF: 57.6/75

- sign 0.000+/-0.000 χ^2/NDF: 26.2/38


asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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150
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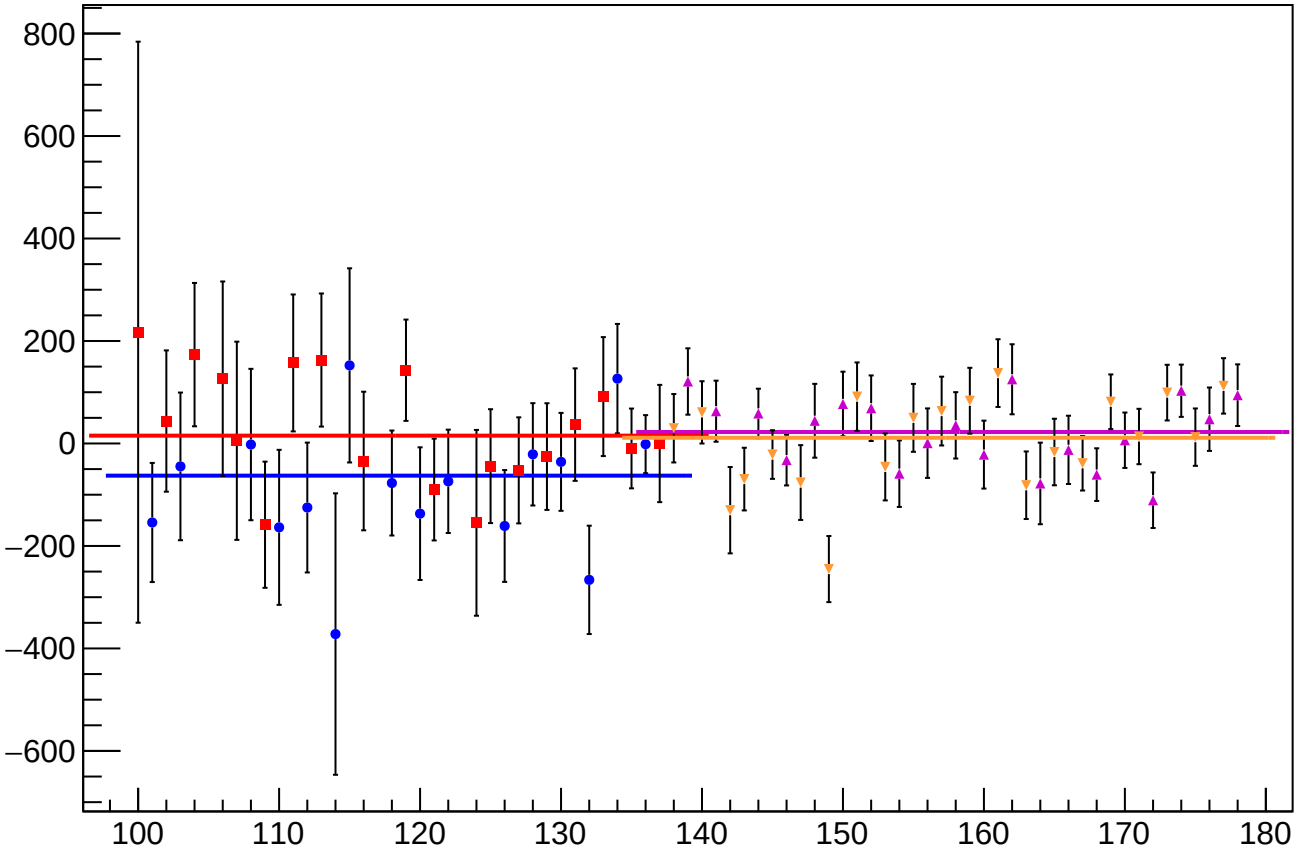
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2021305.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1532787.1/20
Right Out: 0.000+/-0.000 χ²/NDF: 1998231.7/18
Left In: 0.000+/-0.000 χ²/NDF:951644.3/19
+ sign 0.000+/-0.000 χ²/NDF: 4354310.7/36
All: 0.000+/-0.000 χ²/NDF: 7873115.3/75
- sign 0.000+/-0.000 χ²/NDF: 3513103.9/38

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: 11.151+/-13.282 χ^2/NDF:41.9/20

Right Out: 15.288+/-27.770 χ^2/NDF: 11.5/18

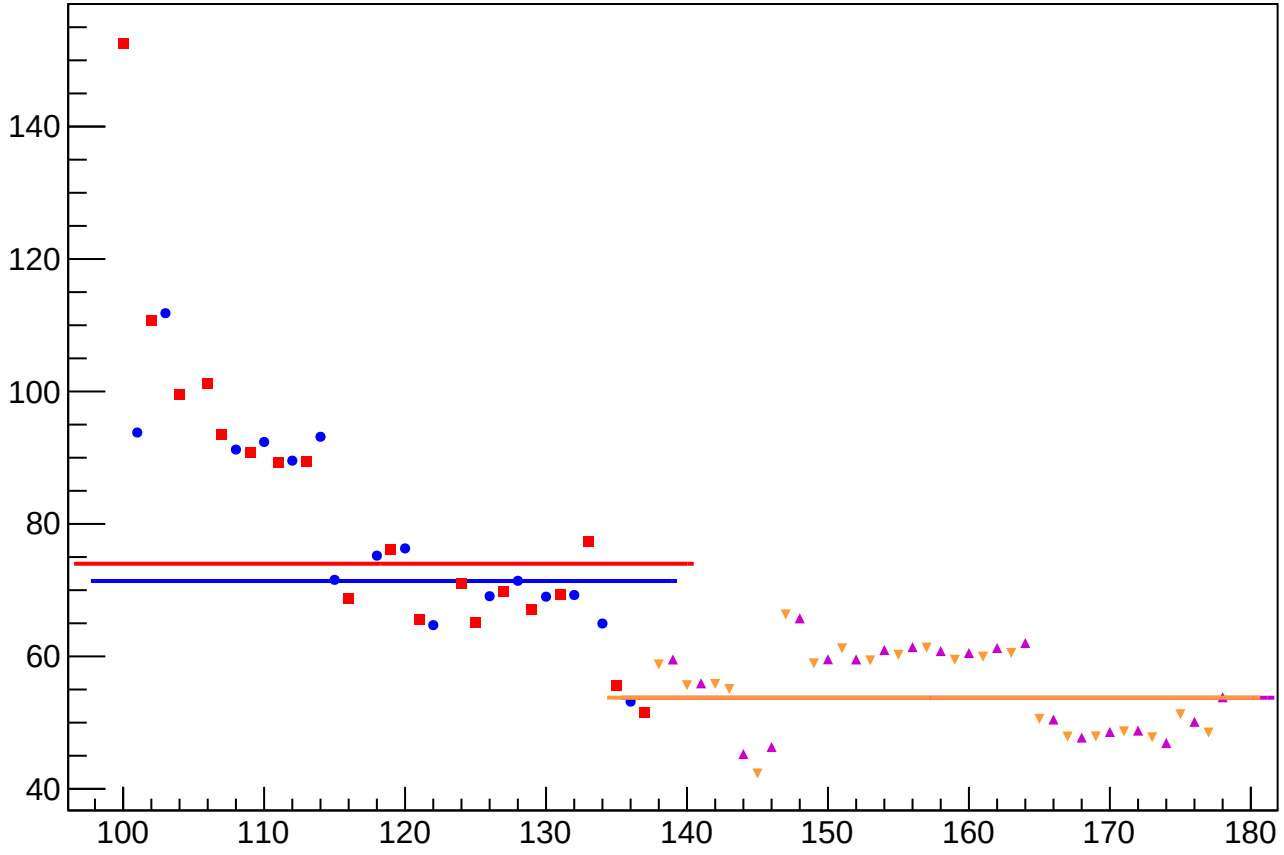
Left In: 22.354+/-13.428 χ^2/NDF:25.0/19

+ sign -3.076+/-11.936 χ^2/NDF: 61.4/36

All: 8.817+/-8.494 χ^2/NDF: 100.0/75

- sign 21.015+/-12.089 χ^2/NDF: 36.6/38

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 53.768+/-0.009 χ^2/NDF:460813.5/20

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

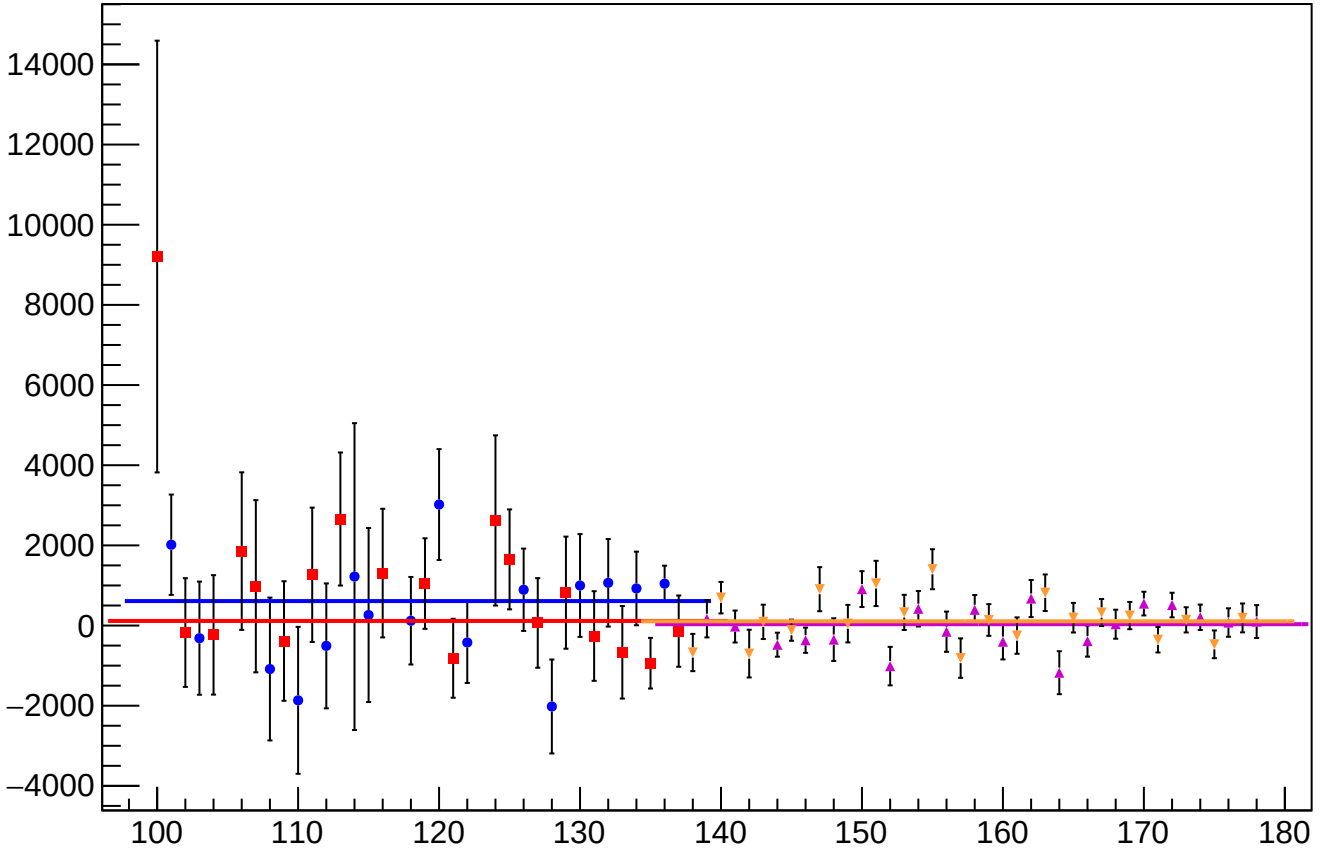
Left In: 53.758+/-0.009 χ^2/NDF:464492.0/19

+ sign 57.157+/-0.008 χ^2/NDF: 1728483.8/36

All: 57.372+/-0.006 χ^2/NDF: 3693493.7/75

- sign 57.592+/-0.009 χ^2/NDF: 1963697.3/38

asym_sam_15_26_dd_reg_correction_mean vs Slug



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: 105.914+/-86.088 χ^2/NDF:31.7/20

Right Out: 114.633+/-284.312 χ^2/NDF: 15.6/18

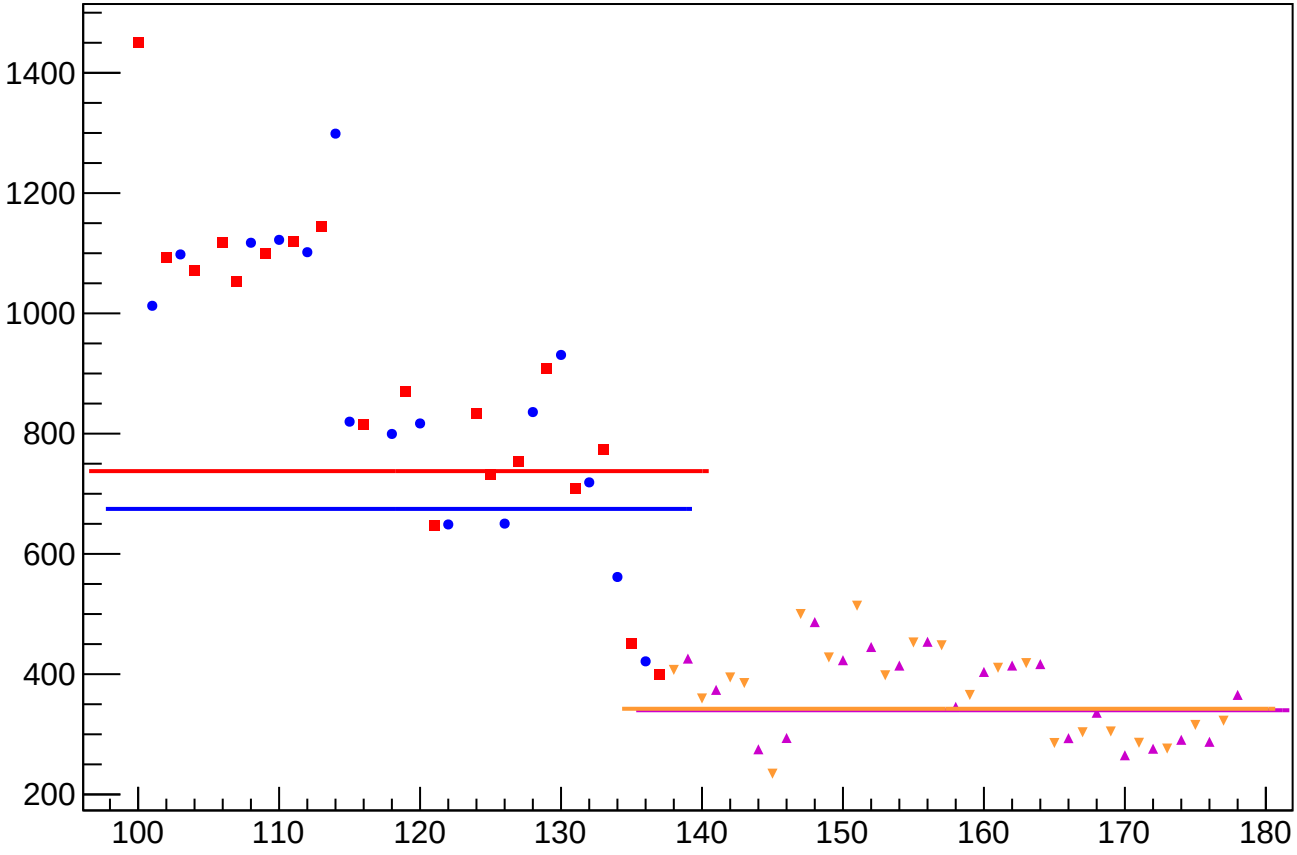
Left In: 33.964+/-86.099 χ^2/NDF:30.5/19

+ sign 153.500+/-81.928 χ^2/NDF: 50.6/36

All: 97.446+/-58.099 χ^2/NDF: 97.7/75

- sign 40.740+/-82.403 χ^2/NDF: 46.2/38

asym_sam_15_26_dd_reg_correction_rms vs Slug



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 342.474+/-0.061 χ^2/NDF:1425804.7/20

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

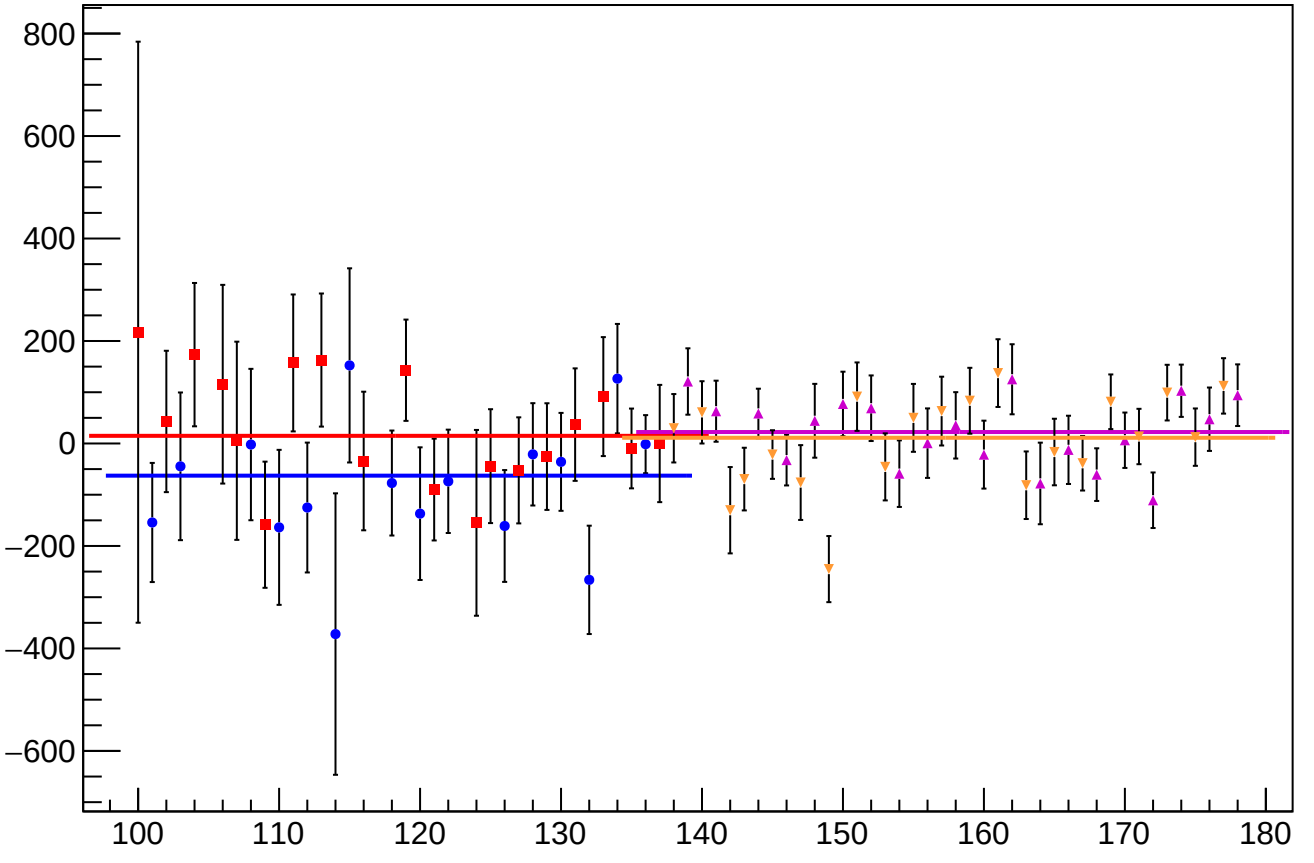
Left In: 339.995+/-0.061 χ^2/NDF:1174069.4/19

+ sign 373.814+/-0.058 χ^2/NDF: 5854302.9/36

All: 373.609+/-0.041 χ^2/NDF: 12129409.9/75

- sign 373.401+/-0.058 χ^2/NDF: 6275081.8/38

cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: 11.152+/-13.282 χ^2/NDF:41.9/20

Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

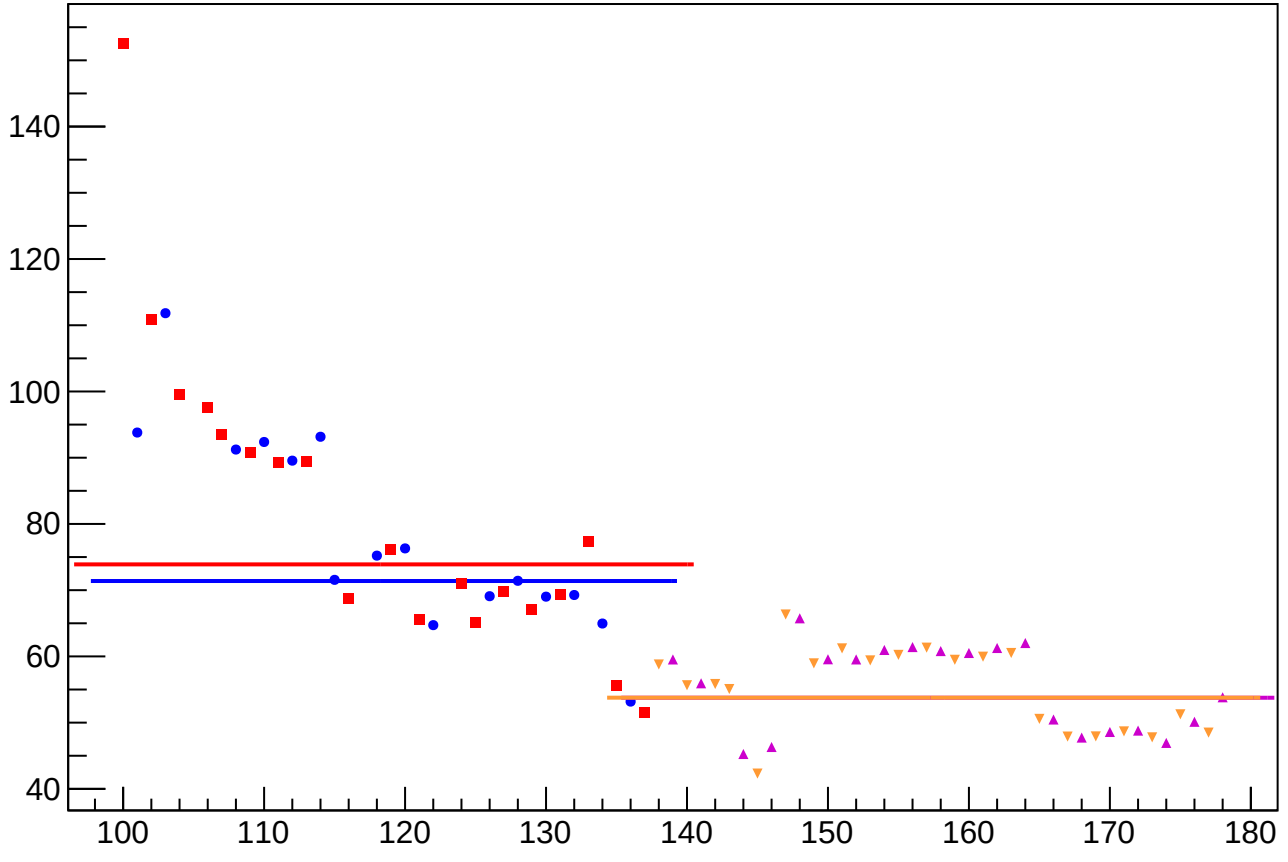
Left In: 22.353+/-13.428 χ^2/NDF:25.0/19

+ sign -3.074+/-11.936 χ^2/NDF: 61.4/36

All: 8.783+/-8.494 χ^2/NDF: 99.9/75

- sign 20.948+/-12.090 χ^2/NDF: 36.5/38

cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 53.768+/-0.009 χ^2/NDF:460813.5/20

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

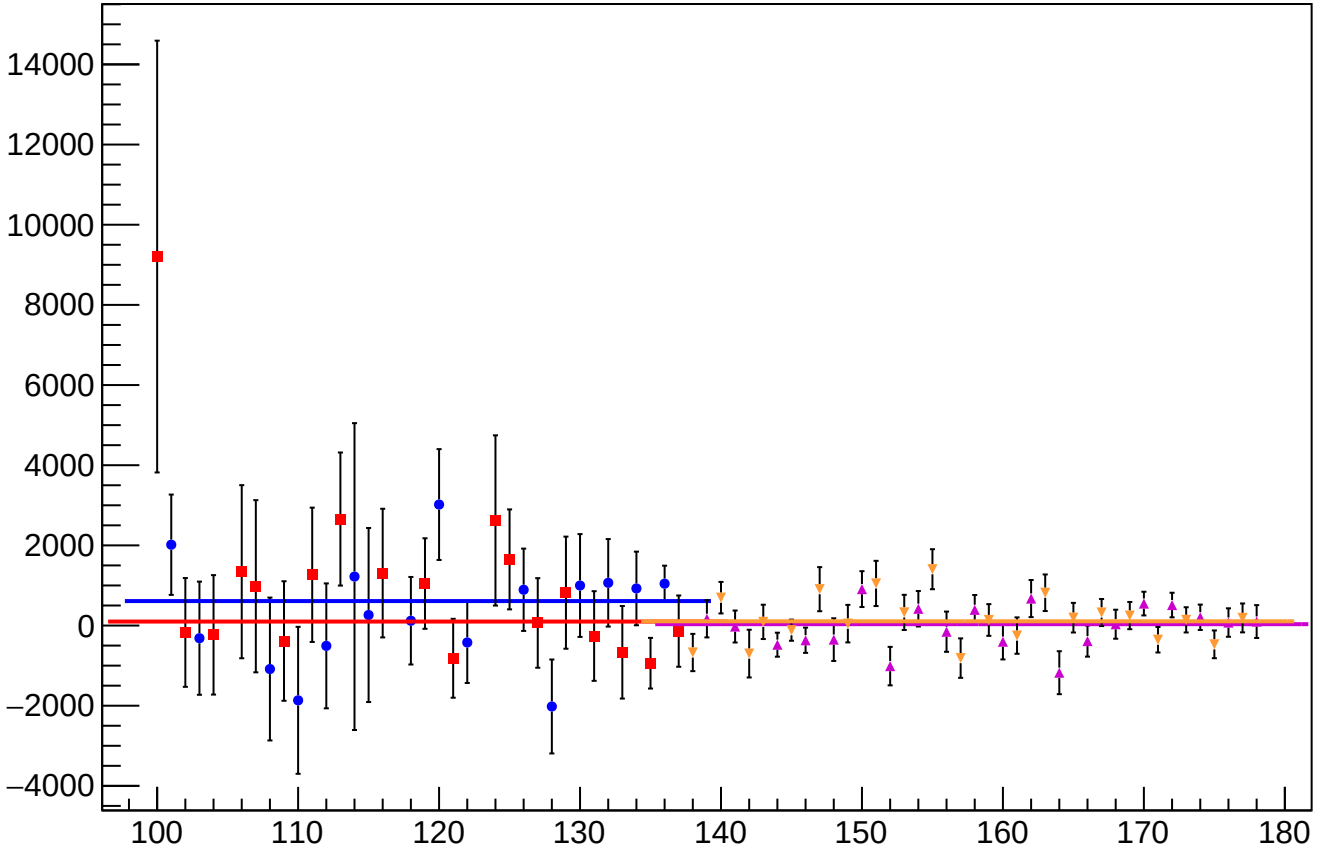
Left In: 53.758+/-0.009 χ^2/NDF:464492.0/19

+ sign 57.157+/-0.008 χ^2/NDF: 1728486.4/36

All: 57.361+/-0.006 χ^2/NDF: 3672813.3/75

- sign 57.571+/-0.009 χ^2/NDF: 1943142.9/38

asym_sam_15_26_dd_cor_correction_mean vs Slug



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 105.913+/-86.088 χ^2/NDF:31.7/20

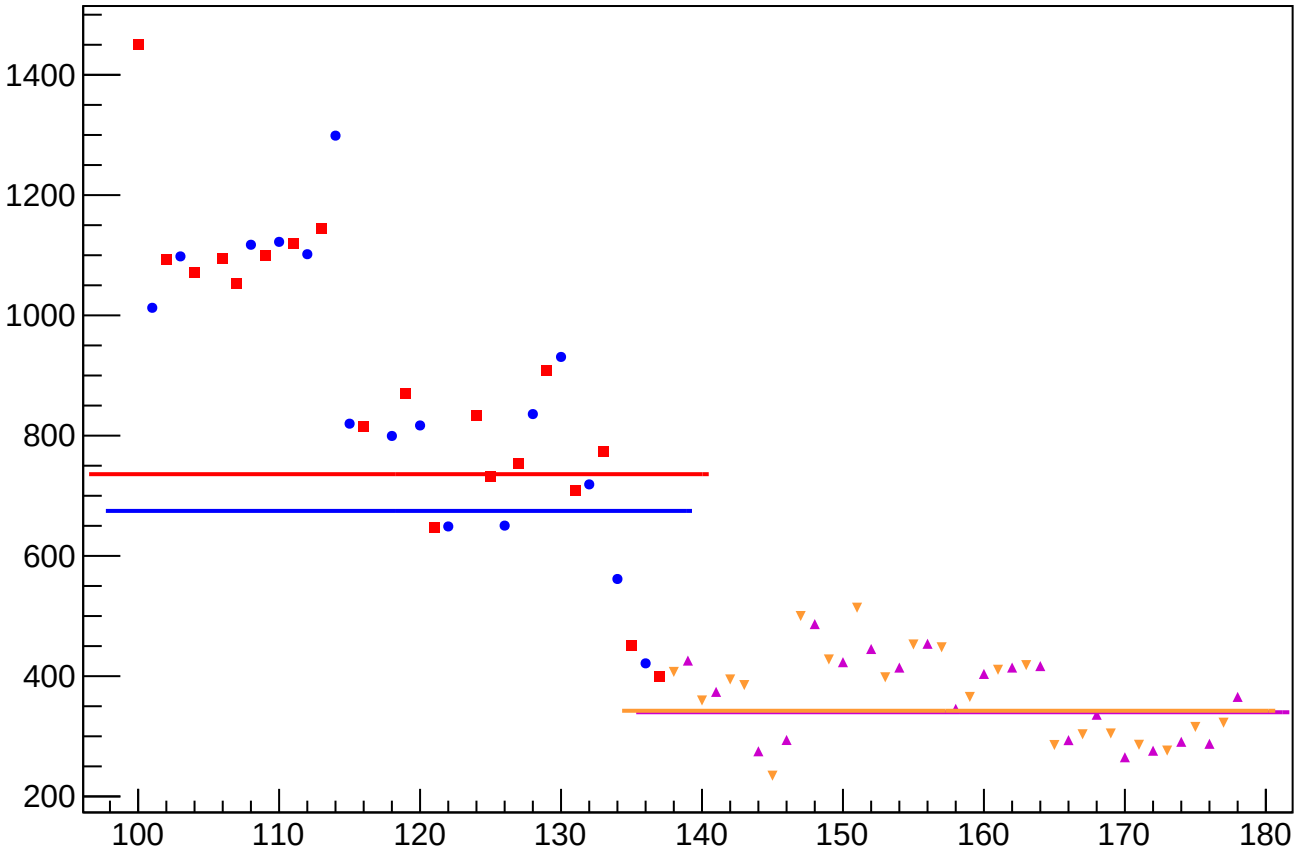
Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 33.965+/-86.099 χ^2/NDF:30.5/19

+ sign 153.498+/-81.928 χ^2/NDF: 50.6/36

All: 96.816+/-58.104 χ^2/NDF: 97.2/75

- sign 39.457+/-82.416 χ^2/NDF: 45.7/38



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 342.474+/-0.061 χ^2/NDF:1425806.0/20

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

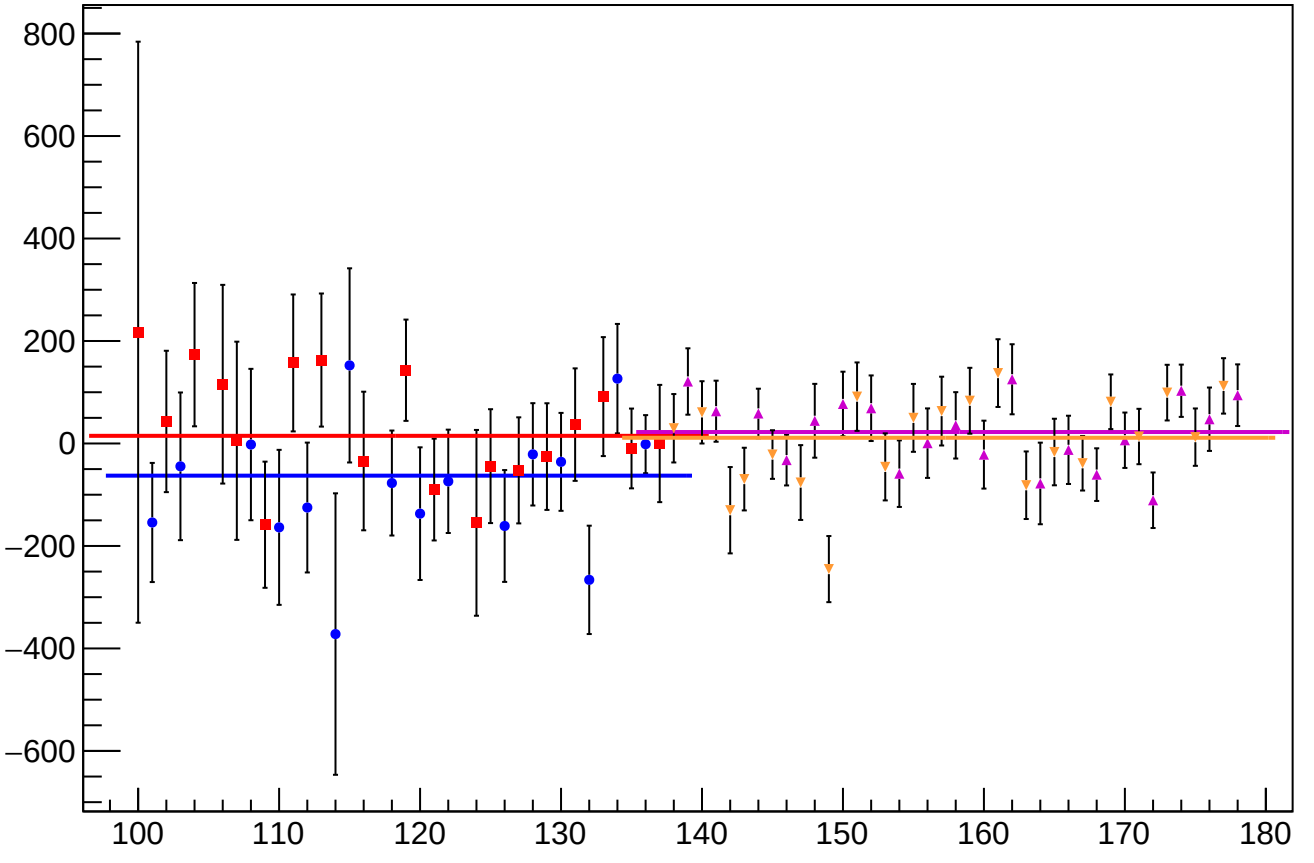
Left In: 339.995+/-0.061 χ^2/NDF:1174079.7/19

+ sign 373.814+/-0.058 χ^2/NDF: 5854326.5/36

All: 373.480+/-0.041 χ^2/NDF: 12066298.5/75

- sign 373.143+/-0.058 χ^2/NDF: 6211905.3/38

eigen_cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: 11.152+/-13.282 χ^2/NDF:41.9/20

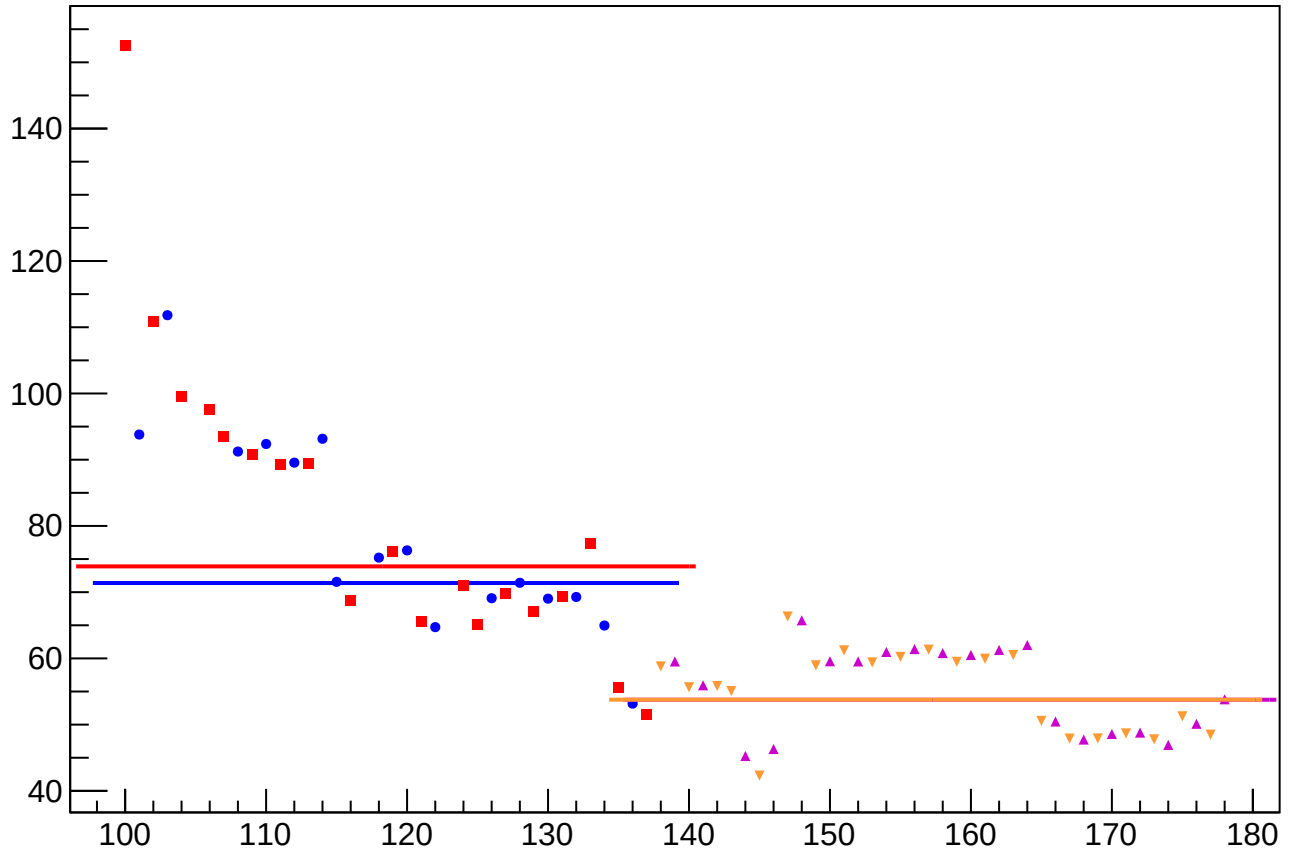
Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: 22.353+/-13.428 χ^2/NDF:25.0/19

+ sign -3.074+/-11.936 χ^2/NDF: 61.4/36

All: 8.783+/-8.494 χ^2/NDF: 99.9/75

- sign 20.948+/-12.090 χ^2/NDF: 36.5/38



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 53.768+/-0.009 χ^2/NDF:460813.5/20

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

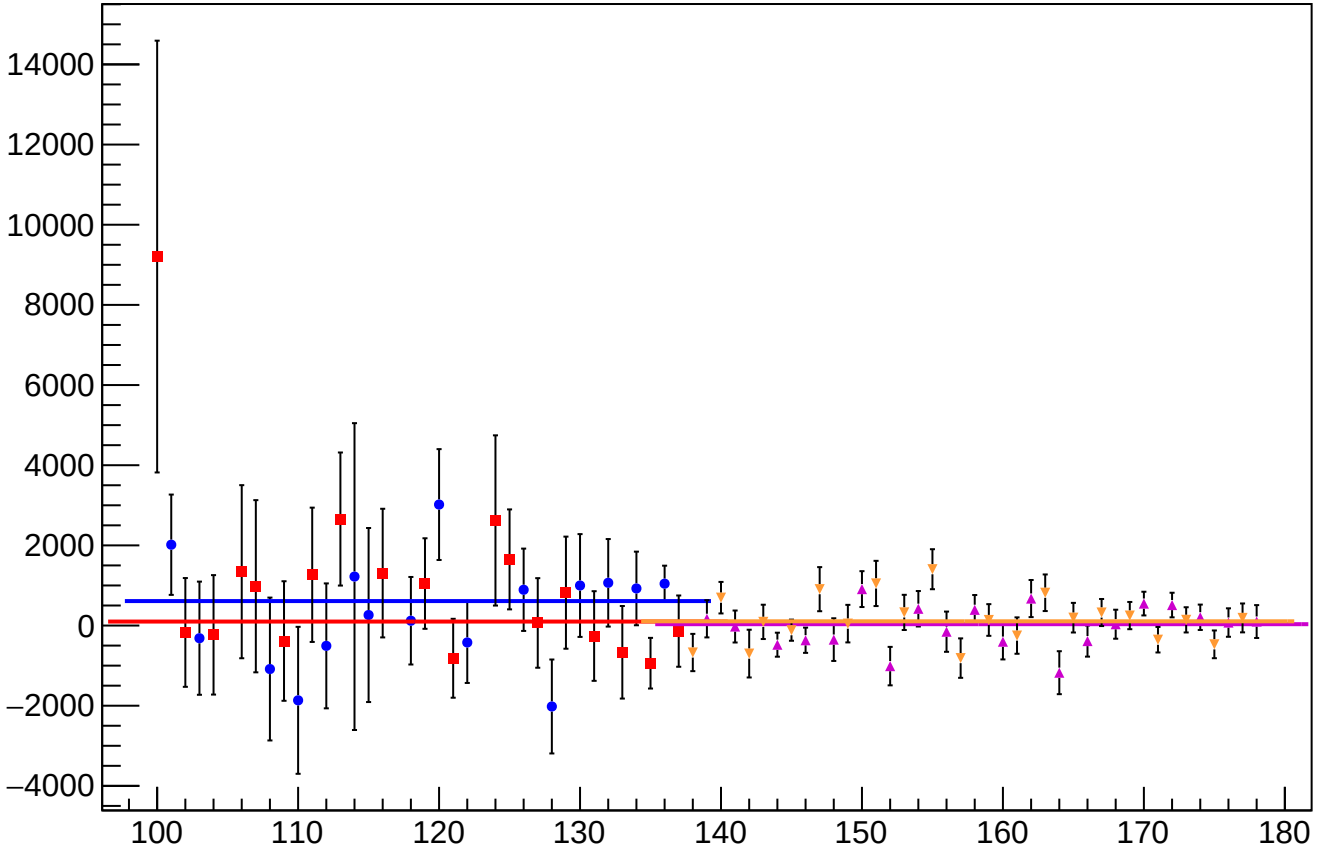
Left In: 53.758+/-0.009 χ^2/NDF:464492.0/19

+ sign 57.157+/-0.008 χ^2/NDF: 1728486.4/36

All: 57.361+/-0.006 χ^2/NDF: 3672813.3/75

- sign 57.571+/-0.009 χ^2/NDF: 1943142.9/38

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: 105.913+/-86.088 χ^2/NDF:31.7/20

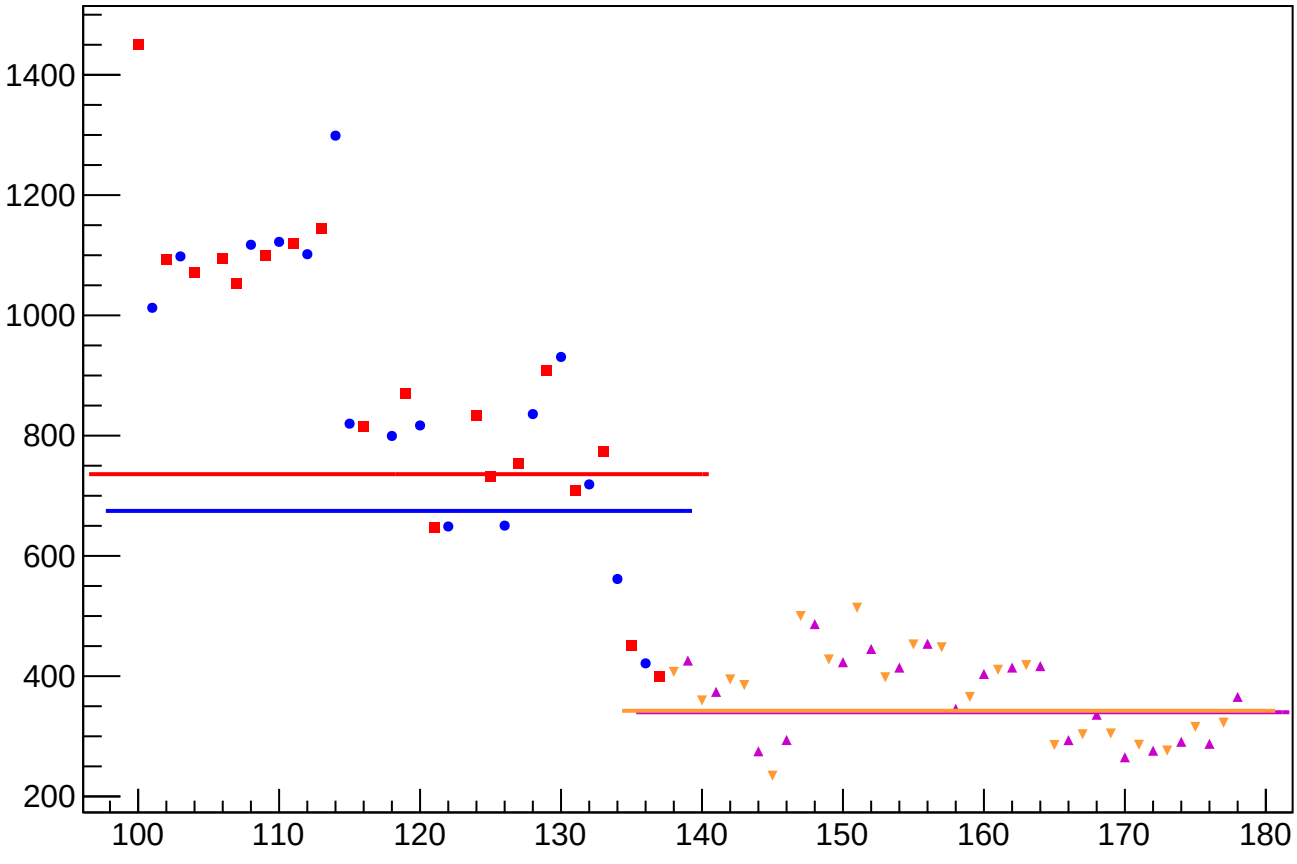
Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 33.965+/-86.099 χ^2/NDF:30.5/19

+ sign 153.498+/-81.928 χ^2/NDF: 50.6/36

All: 96.816+/-58.104 χ^2/NDF: 97.2/75

- sign 39.457+/-82.416 χ^2/NDF: 45.7/38



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 342.474+/-0.061 χ^2/NDF:1425806.0/20

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

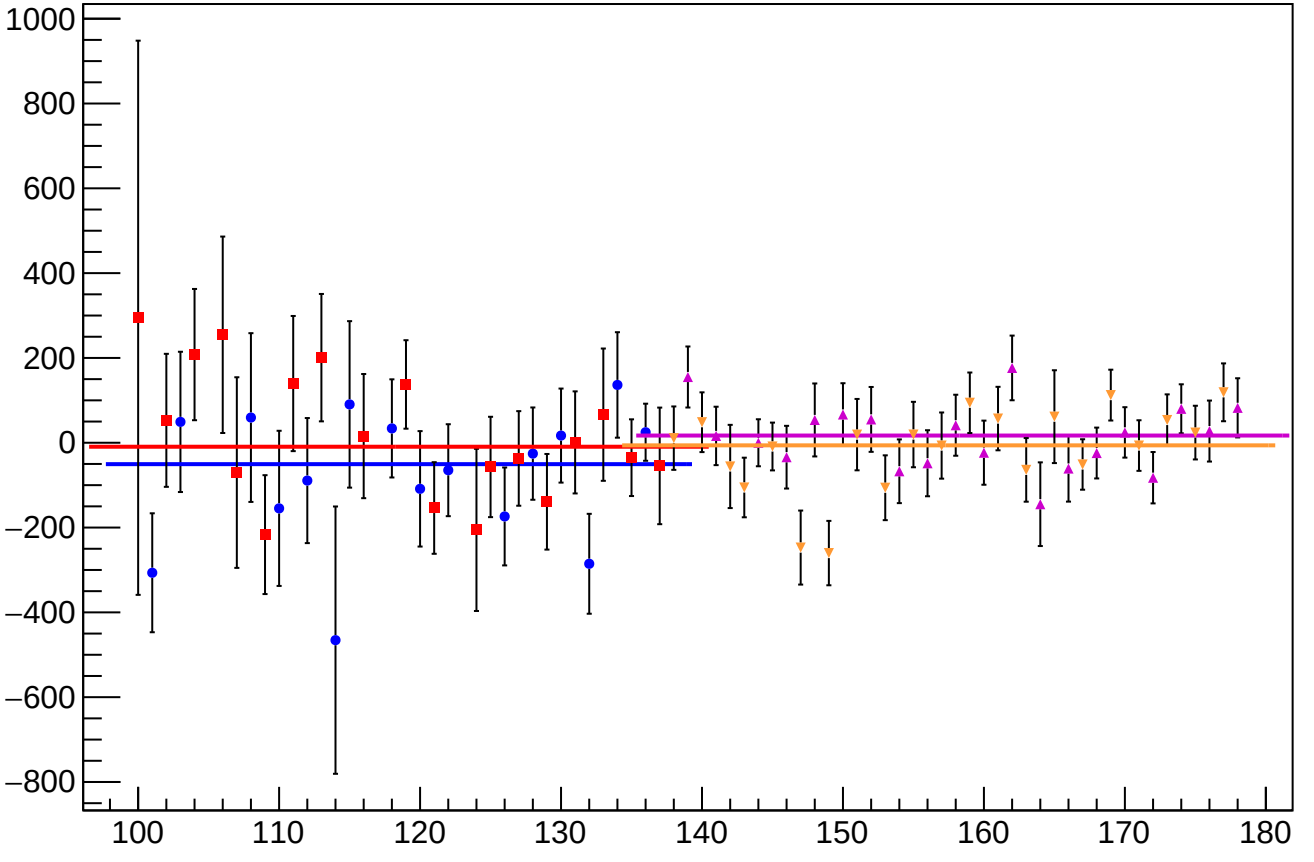
Left In: 339.995+/-0.061 χ^2/NDF:1174079.7/19

+ sign 373.814+/-0.058 χ^2/NDF: 5854326.5/36

All: 373.480+/-0.041 χ^2/NDF: 12066298.5/75

- sign 373.143+/-0.058 χ^2/NDF: 6211905.3/38

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -6.129+/-15.493 χ^2/NDF:36.4/20

Right Out: -9.380+/-31.235 χ^2/NDF: 15.6/18

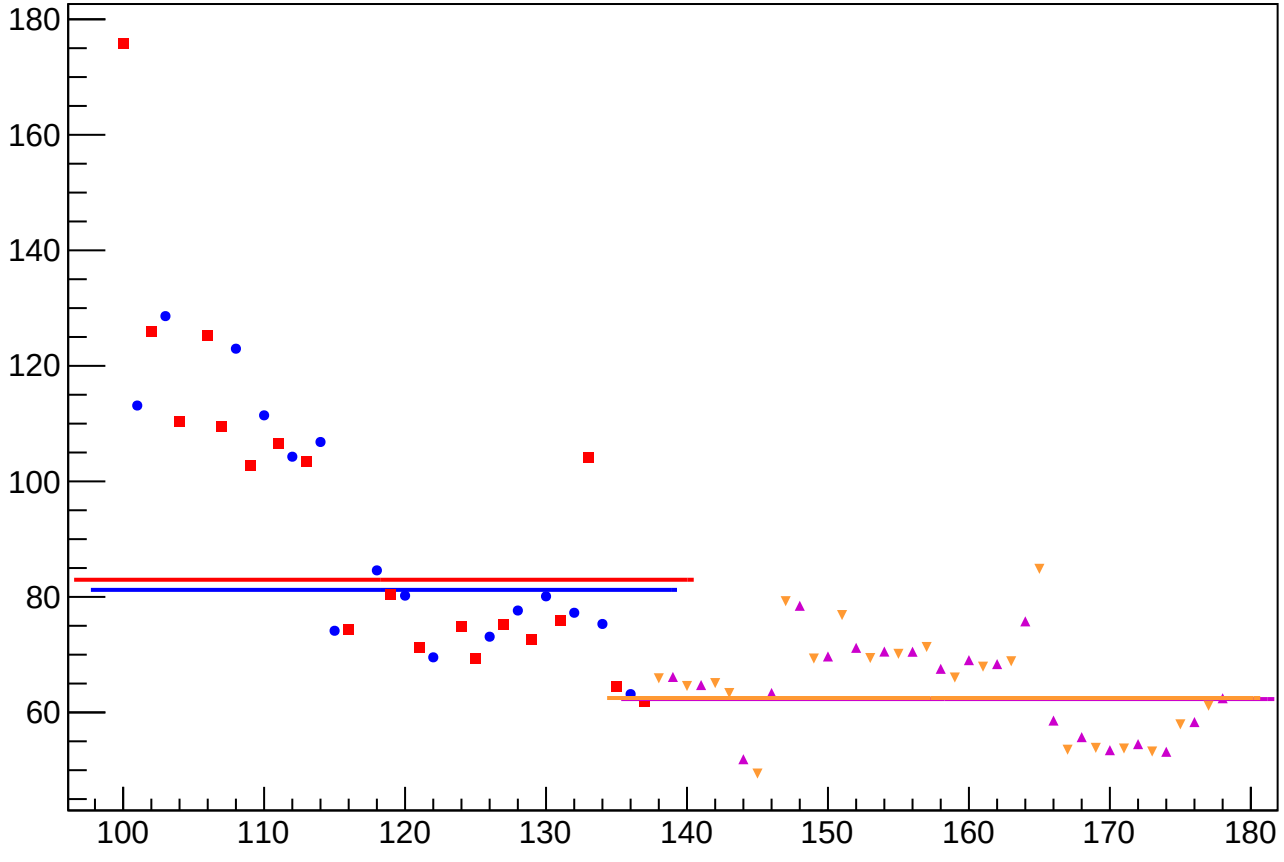
Left In: 17.004+/-15.649 χ^2/NDF:20.8/19

+ sign -14.962+/-13.864 χ^2/NDF: 54.4/36

All: -1.747+/-9.848 χ^2/NDF: 93.2/75

- sign 11.710+/-13.991 χ^2/NDF: 37.0/38

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 62.496+/-0.011 χ^2/NDF:626168.7/20

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

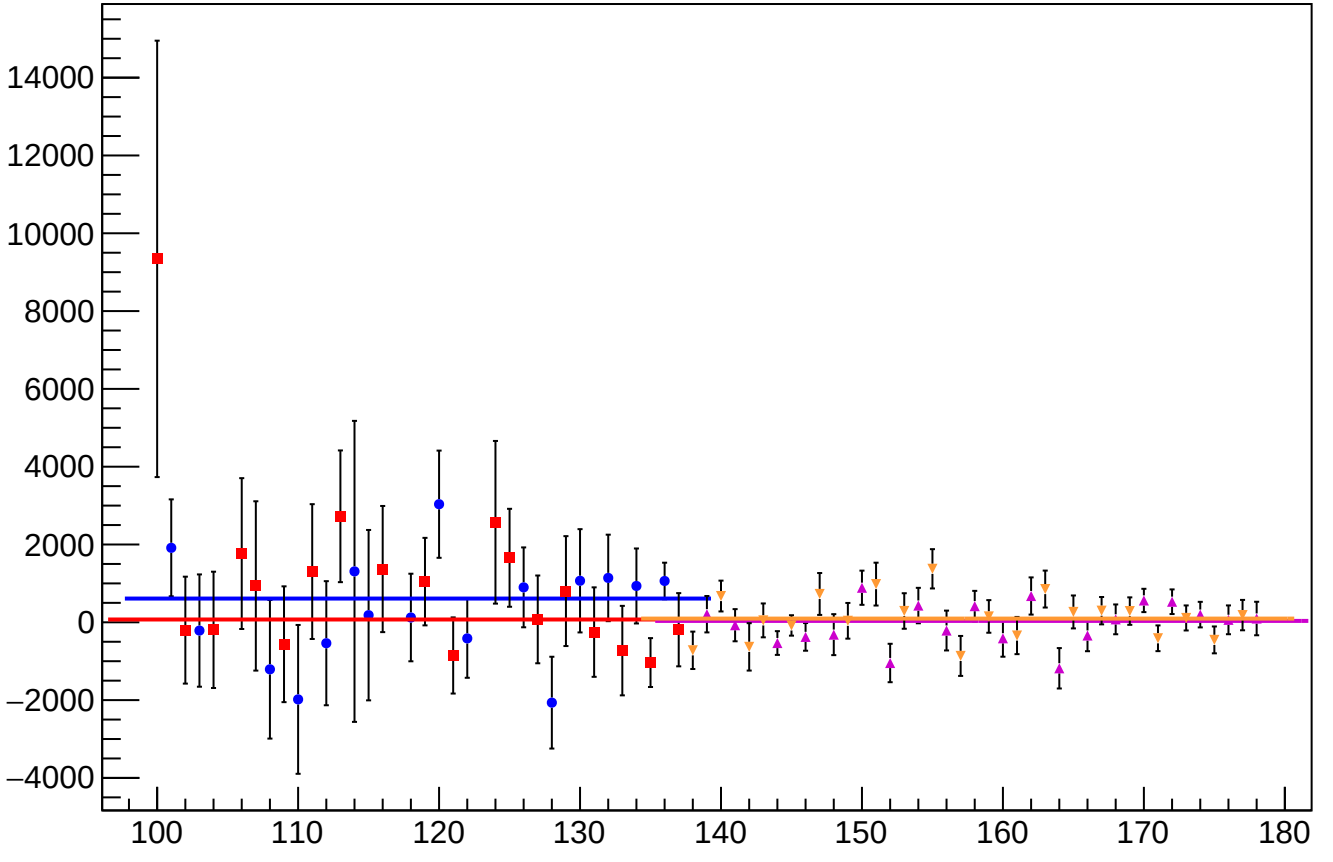
Left In: 62.313+/-0.011 χ^2/NDF:481176.9/19

+ sign 66.226+/-0.010 χ^2/NDF: 1870865.8/36

All: 66.341+/-0.007 χ^2/NDF: 3782039.5/75

- sign 66.458+/-0.010 χ^2/NDF: 1910897.6/38

asym_sam_15_26_dd_dit_correction_mean vs Slug



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: 95.522+/-88.682 χ^2/NDF:30.1/20

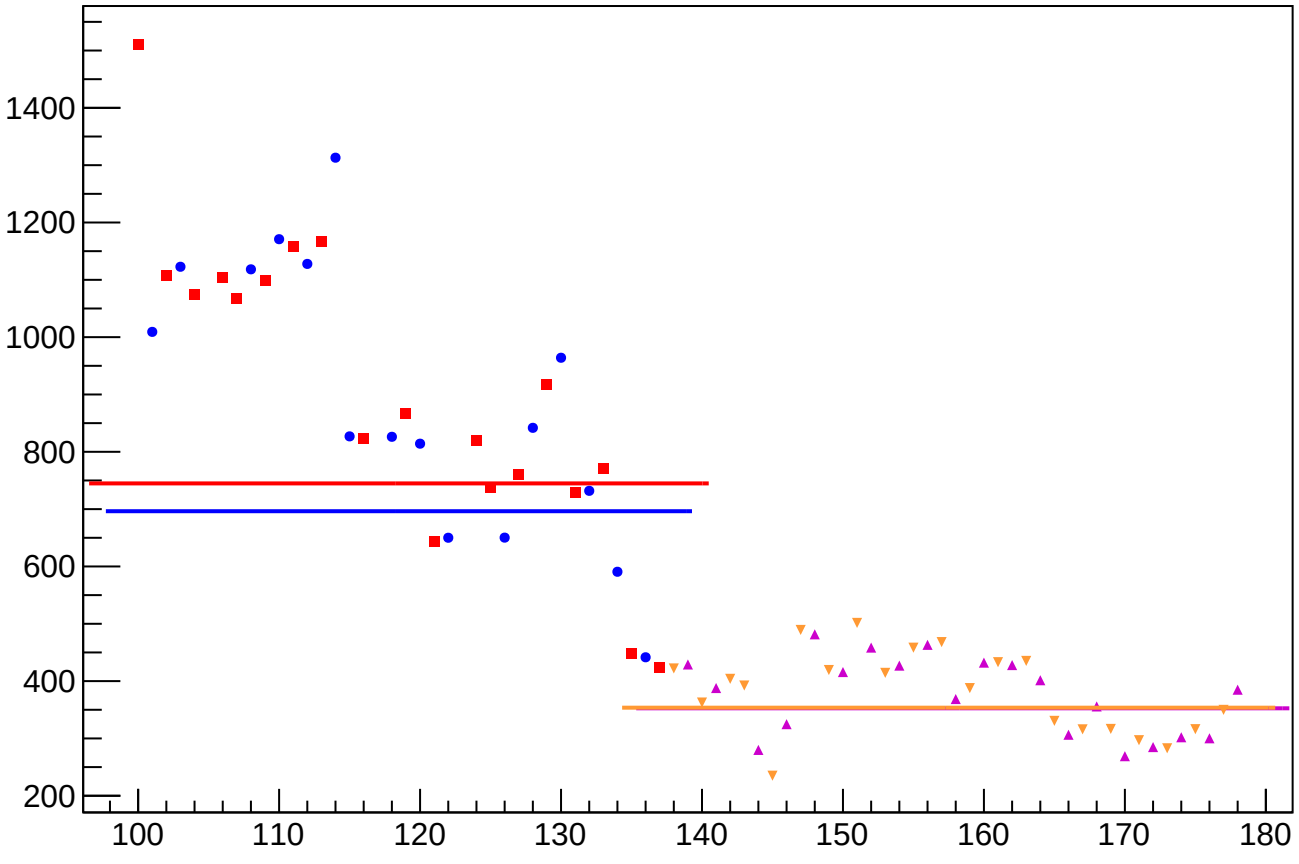
Right Out: 72.311+/-286.830 χ^2/NDF: 16.2/18

Left In: 35.908+/-89.218 χ^2/NDF:30.8/19

+ sign 144.348+/-84.373 χ^2/NDF: 49.1/36

All: 92.242+/-59.948 χ^2/NDF: 96.8/75

- sign 39.119+/-85.192 χ^2/NDF: 47.0/38



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 353.653+/-0.063 χ^2/NDF:1370780.5/20

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

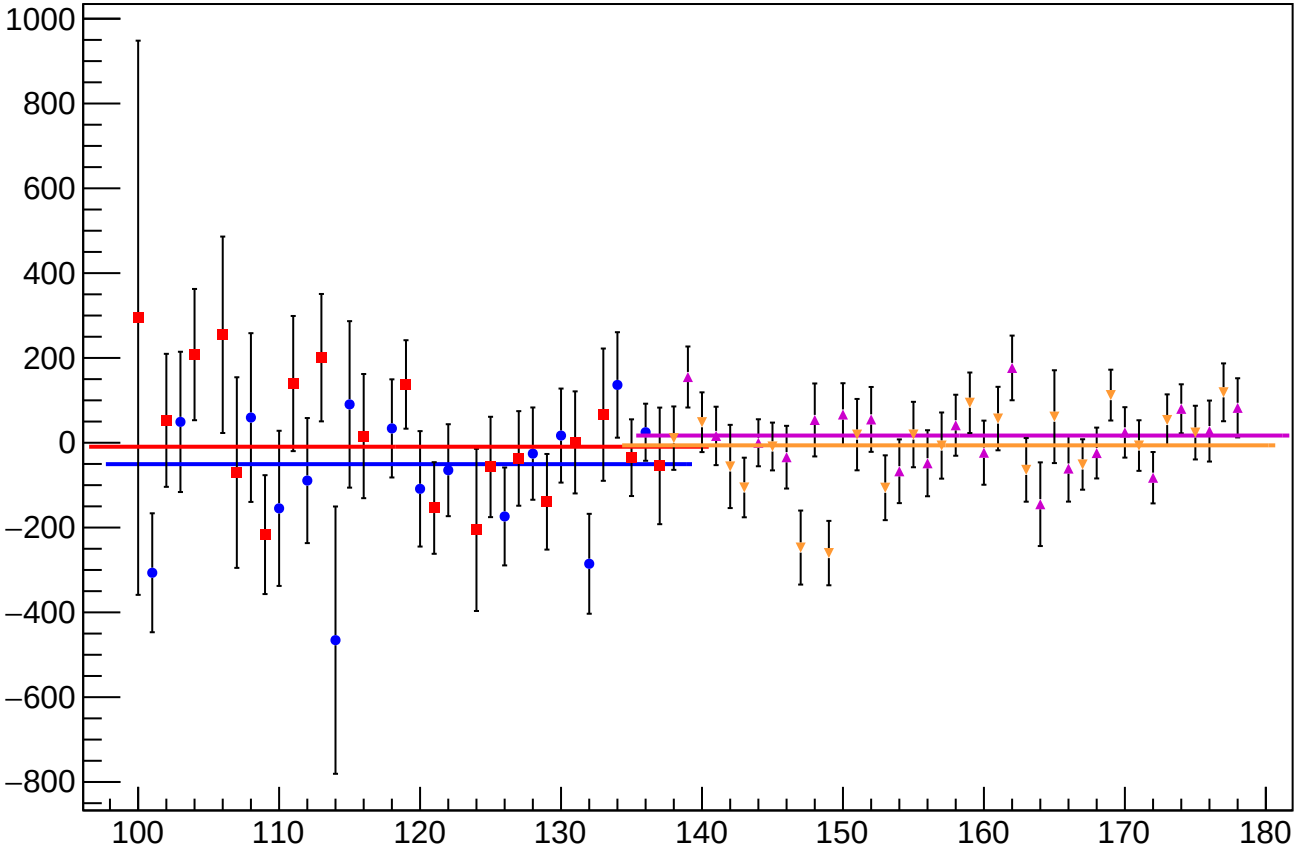
Left In: 352.553+/-0.063 χ^2/NDF:1092949.6/19

+ sign 386.154+/-0.060 χ^2/NDF: 5718881.4/36

All: 386.653+/-0.042 χ^2/NDF: 11721926.4/75

- sign 387.162+/-0.060 χ^2/NDF: 6002903.6/38

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -6.128+/-15.493 χ^2/NDF:36.4/20

Right Out: -9.381+/-31.235 χ^2/NDF: 15.6/18

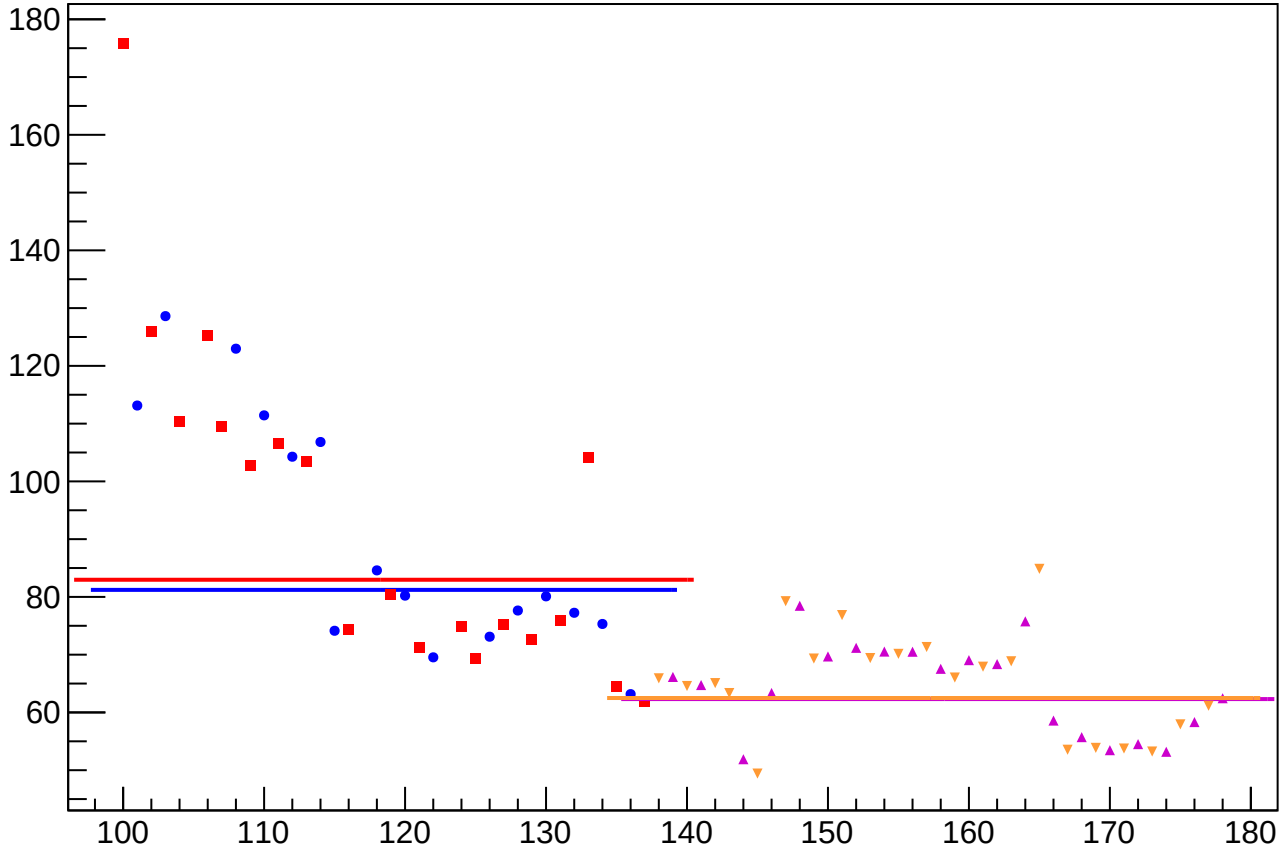
Left In: 17.004+/-15.649 χ^2/NDF:20.8/19

+ sign -14.961+/-13.864 χ^2/NDF: 54.4/36

All: -1.747+/-9.848 χ^2/NDF: 93.2/75

- sign 11.710+/-13.991 χ^2/NDF: 37.0/38

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 62.496+/-0.011 χ^2/NDF:626166.5/20

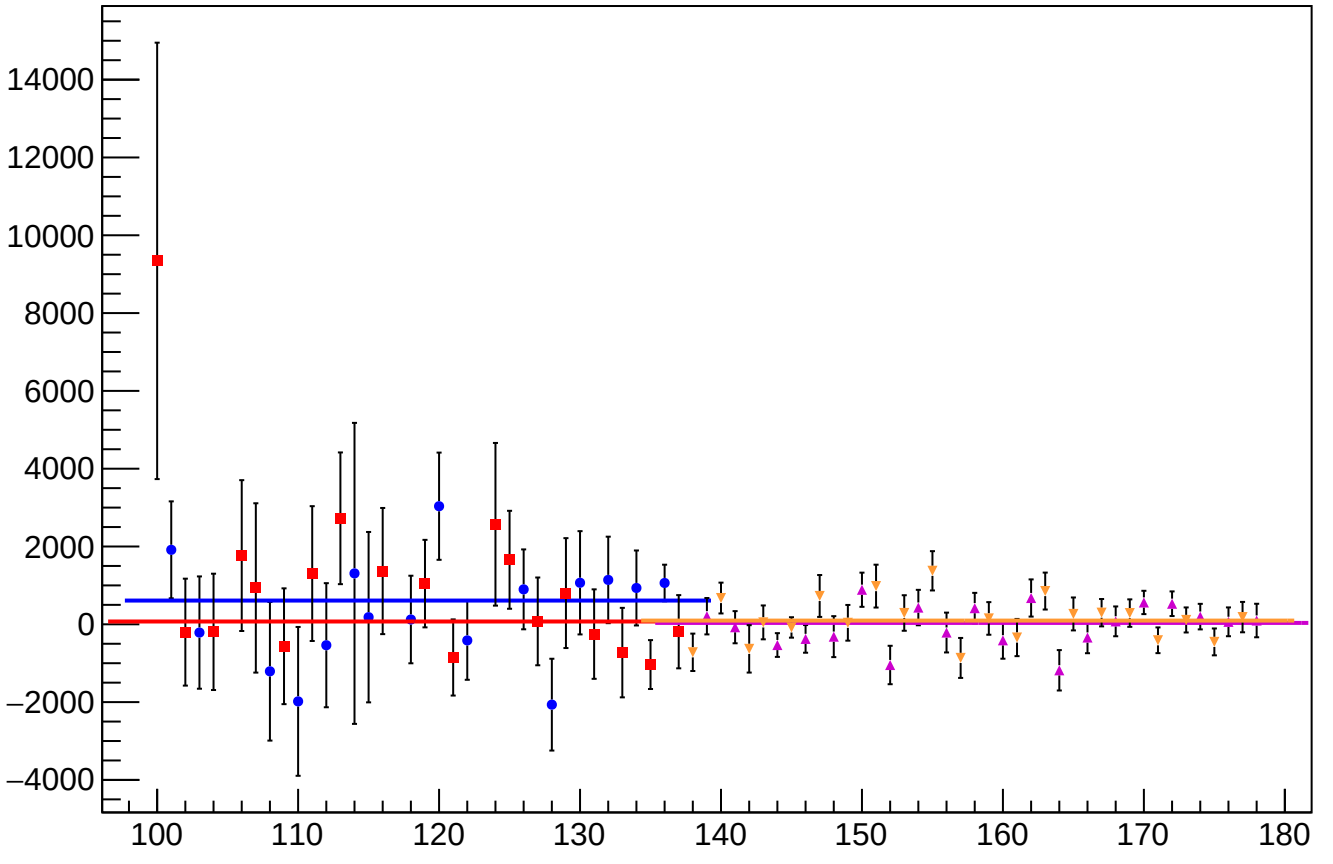
Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 62.313+/-0.011 χ^2/NDF:481169.5/19

+ sign 66.226+/-0.010 χ^2/NDF: 1870822.6/36

All: 66.341+/-0.007 χ^2/NDF: 3781952.1/75

- sign 66.458+/-0.010 χ^2/NDF: 1910853.2/38



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: 95.523+/-88.682 χ^2/NDF:30.1/20

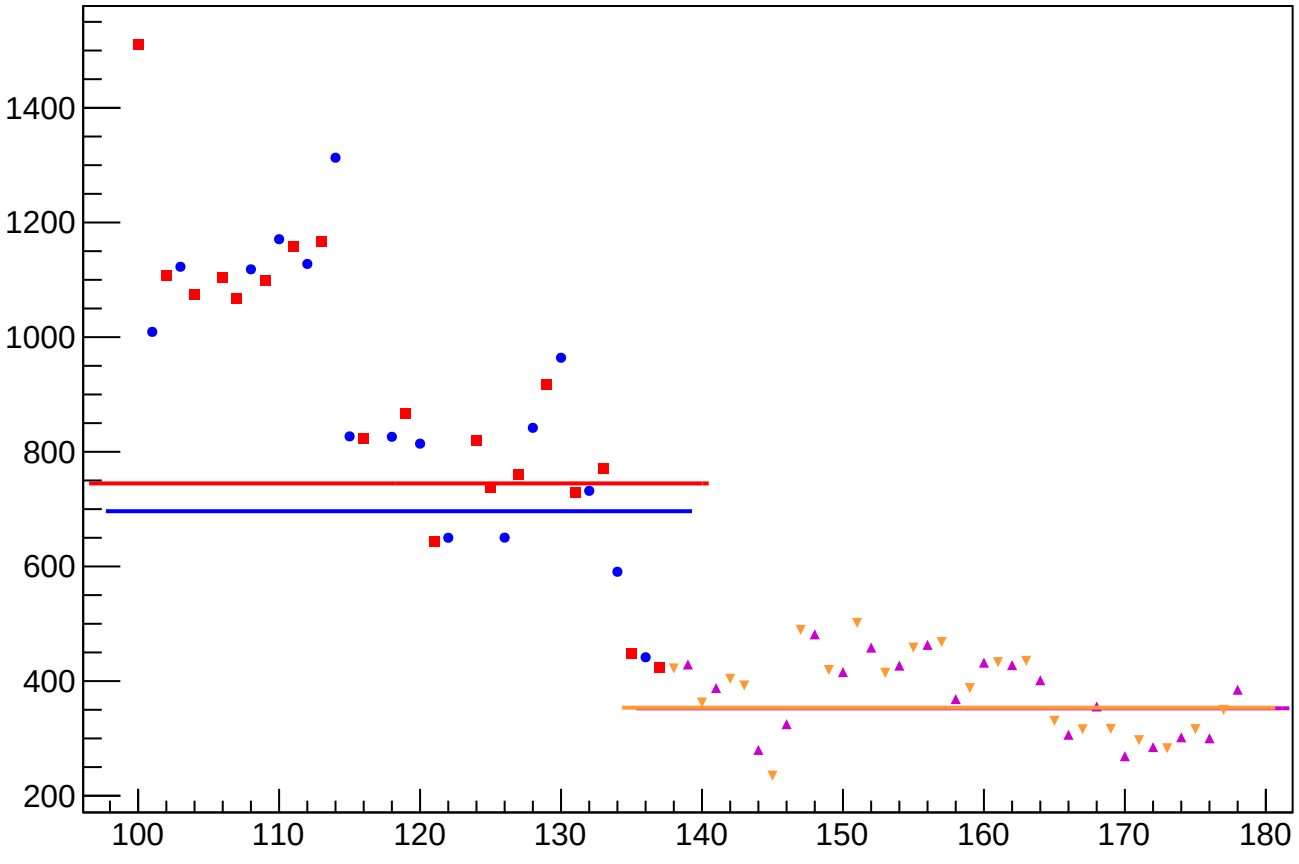
Right Out: 72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: 35.908+/-89.219 χ^2/NDF:30.8/19

+ sign 144.348+/-84.373 χ^2/NDF: 49.1/36

All: 92.242+/-59.948 χ^2/NDF: 96.8/75

- sign 39.119+/-85.192 χ^2/NDF: 47.0/38



Right In: 696.370+/-0.194 χ^2/NDF: 1515461.8/15

Left Out: 353.653+/-0.063 χ^2/NDF:1370794.3/20

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

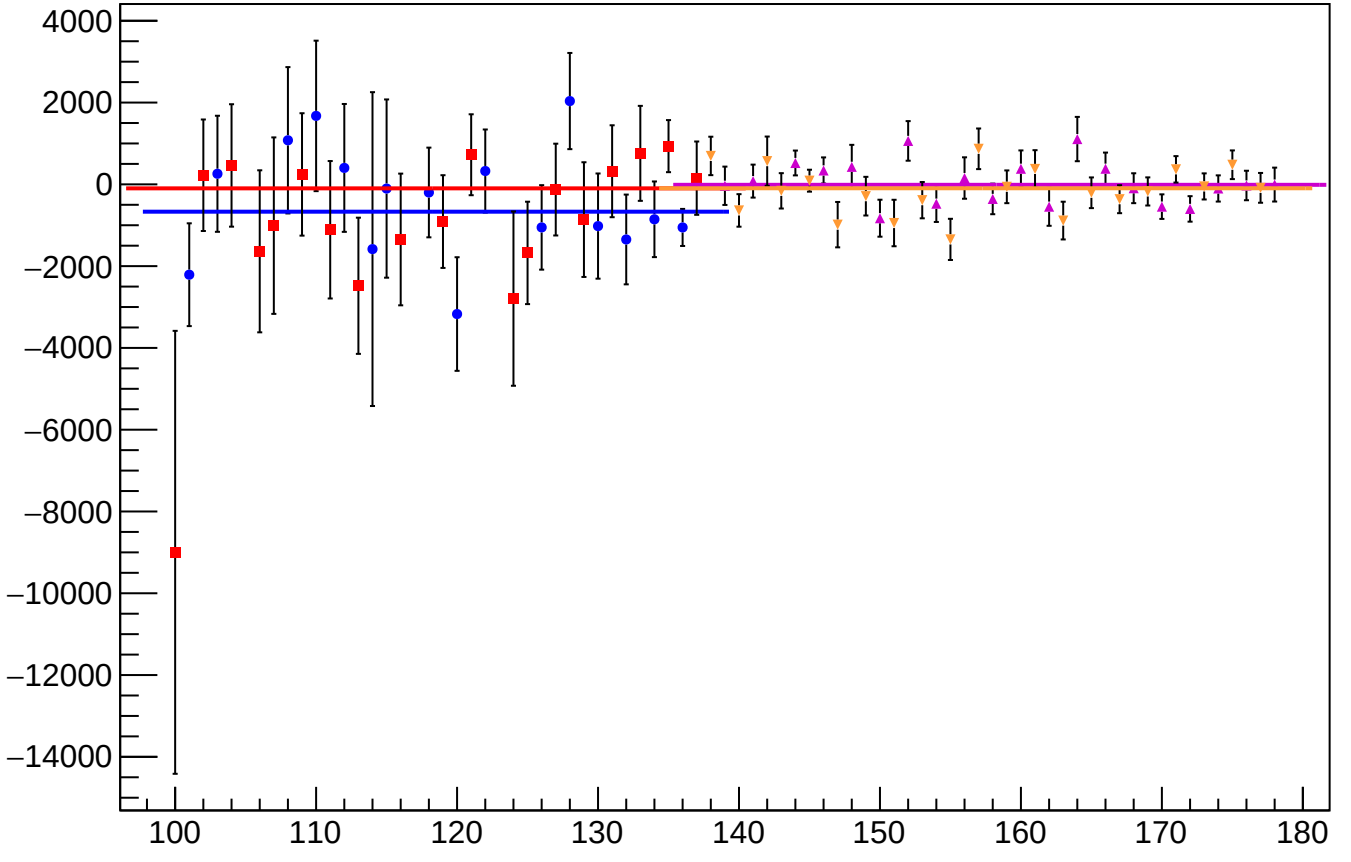
Left In: 352.553+/-0.063 χ^2/NDF:1092955.7/19

+ sign 386.154+/-0.060 χ^2/NDF: 5718871.6/36

All: 386.654+/-0.042 χ^2/NDF: 11721896.3/75

- sign 387.163+/-0.060 χ^2/NDF: 6002883.2/38

asym_sam_15_26_dd_mean vs Slug



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -95.661+/-87.164 χ^2/NDF:31.3/20

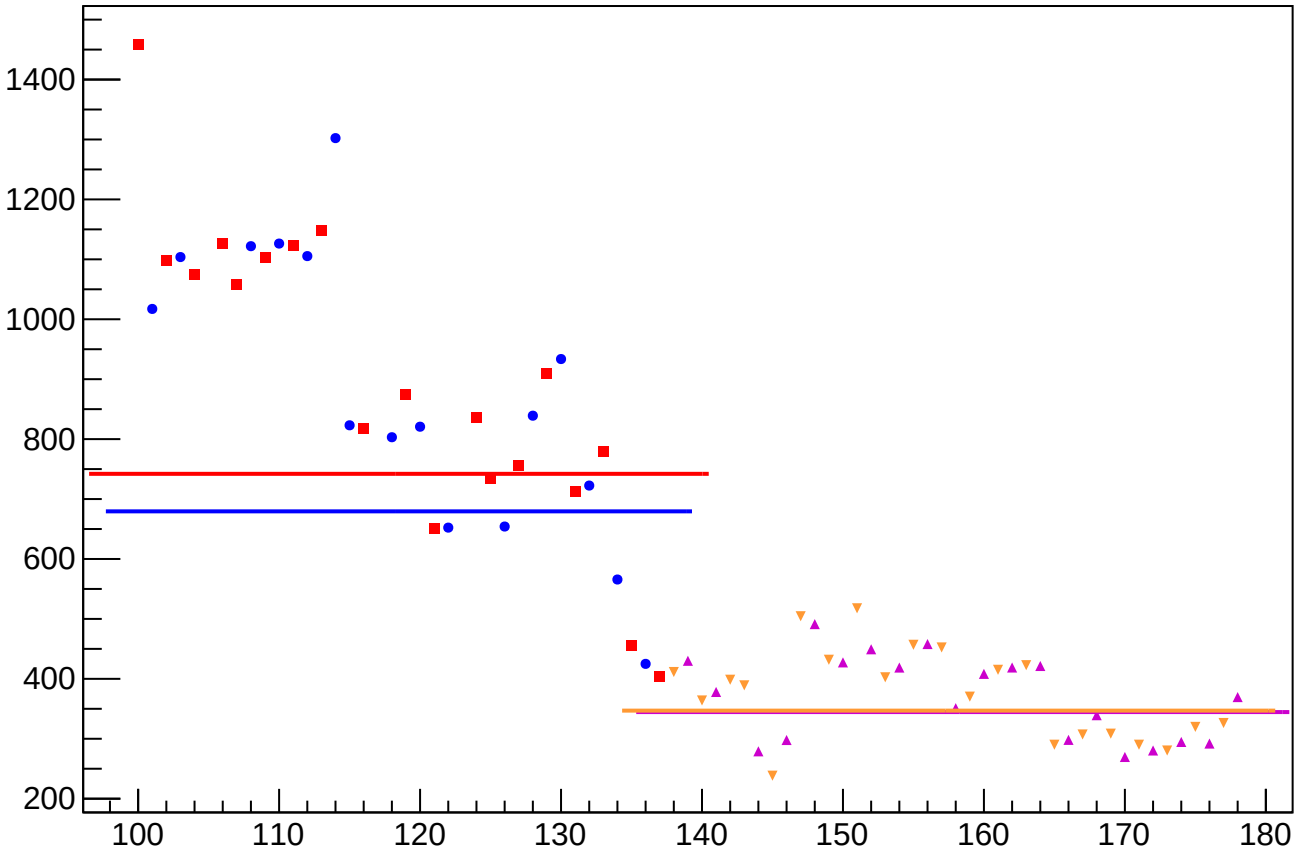
Right Out: -98.003+/-285.882 χ^2/NDF: 14.8/18

Left In: -11.567+/-87.205 χ^2/NDF:29.4/19

+ sign -150.294+/-82.904 χ^2/NDF: 51.5/36

All: -85.010+/-58.800 χ^2/NDF: 97.1/75

- sign -18.925+/-83.410 χ^2/NDF: 44.3/38



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 346.957+/-0.062 χ^2/NDF:1396124.4/20

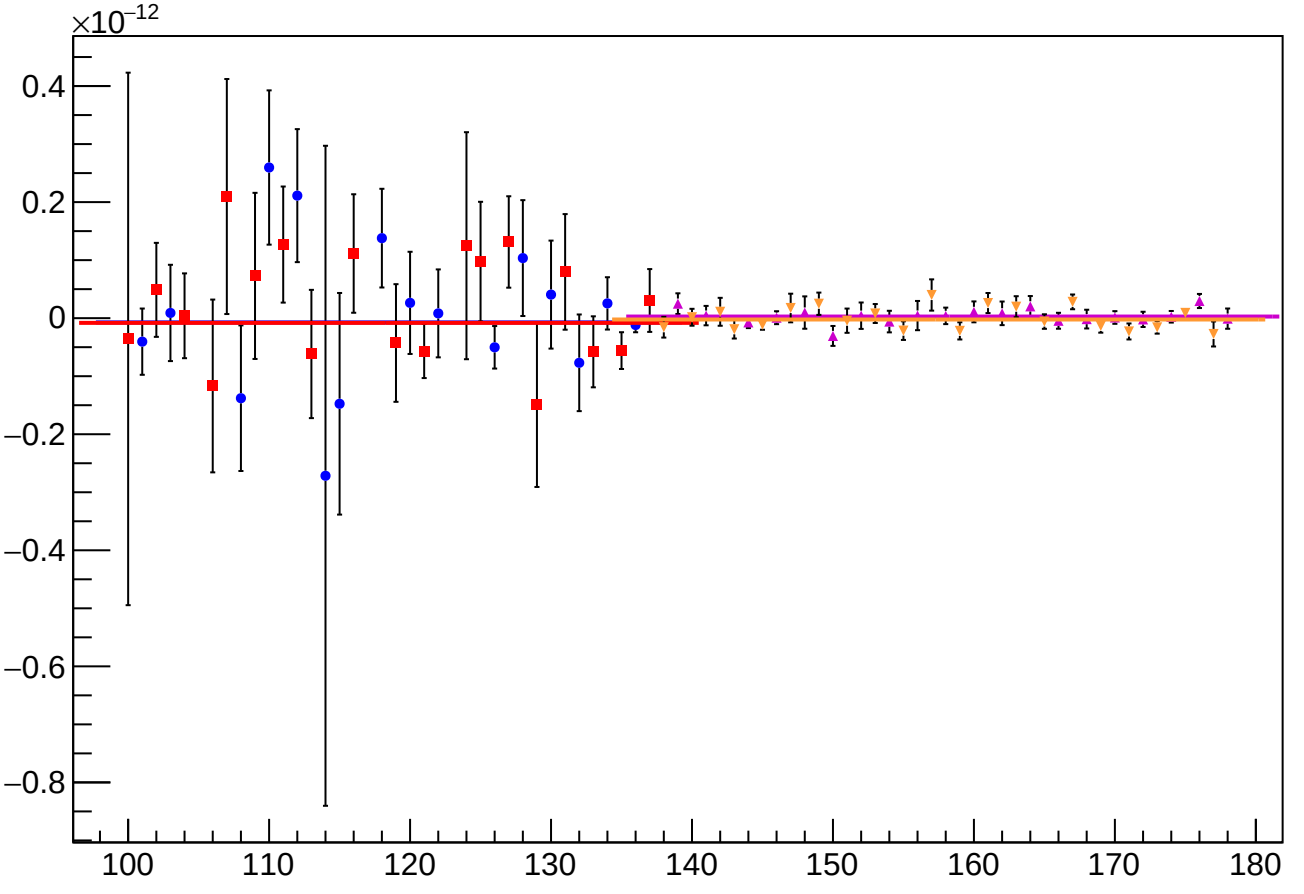
Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 344.536+/-0.062 χ^2/NDF:1148998.5/19

+ sign 378.669+/-0.059 χ^2/NDF: 5772800.1/36

All: 378.524+/-0.042 χ^2/NDF: 11964464.0/75

- sign 378.378+/-0.059 χ^2/NDF: 6191651.7/38



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.8/20

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

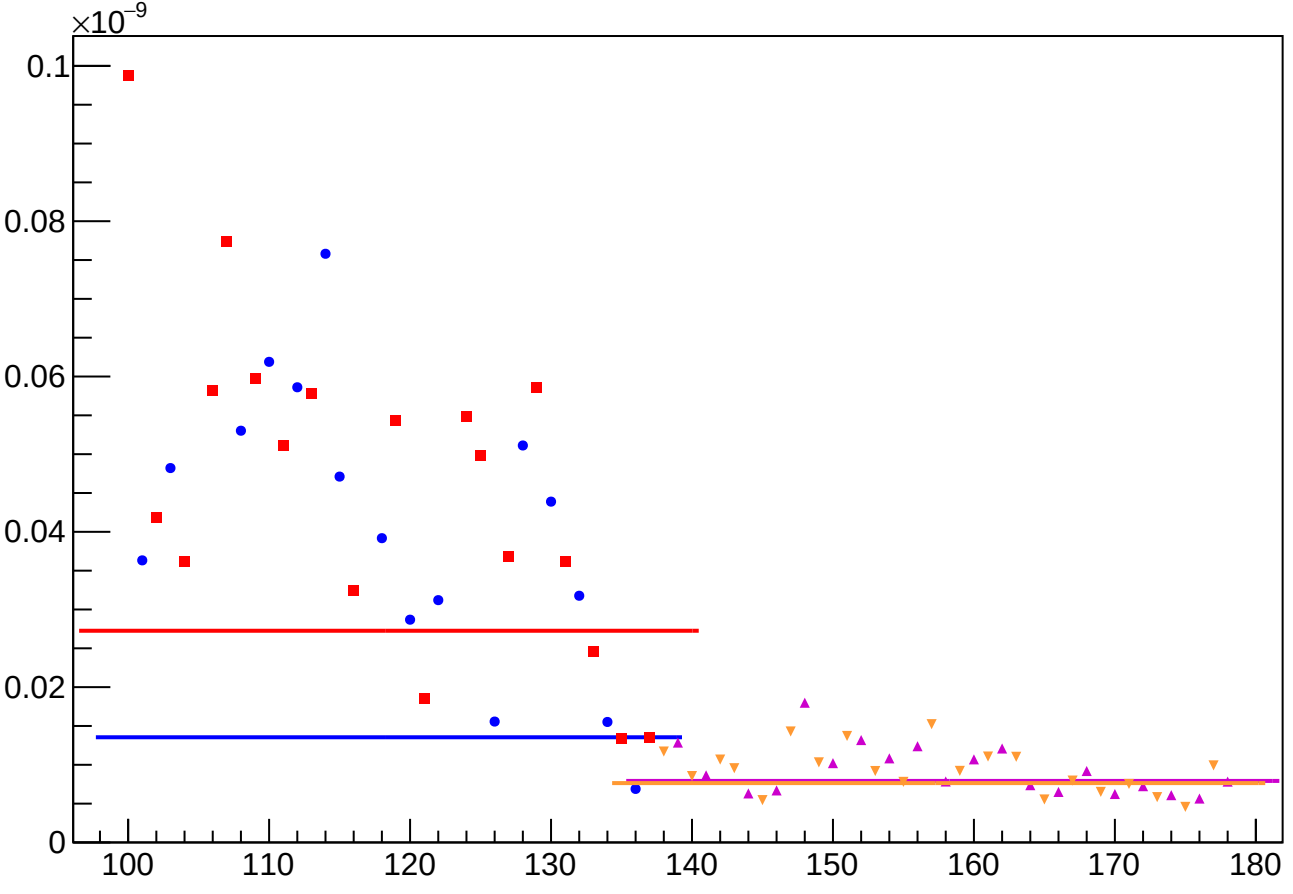
Left In: 0.000+/-0.000 χ^2/NDF:13.4/19

+ sign -0.000+/-0.000 χ^2/NDF: 47.2/36

All: -0.000+/-0.000 χ^2/NDF: 79.4/75

- sign 0.000+/-0.000 χ^2/NDF: 30.8/38

asym_sam_15_26_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1447708.5/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

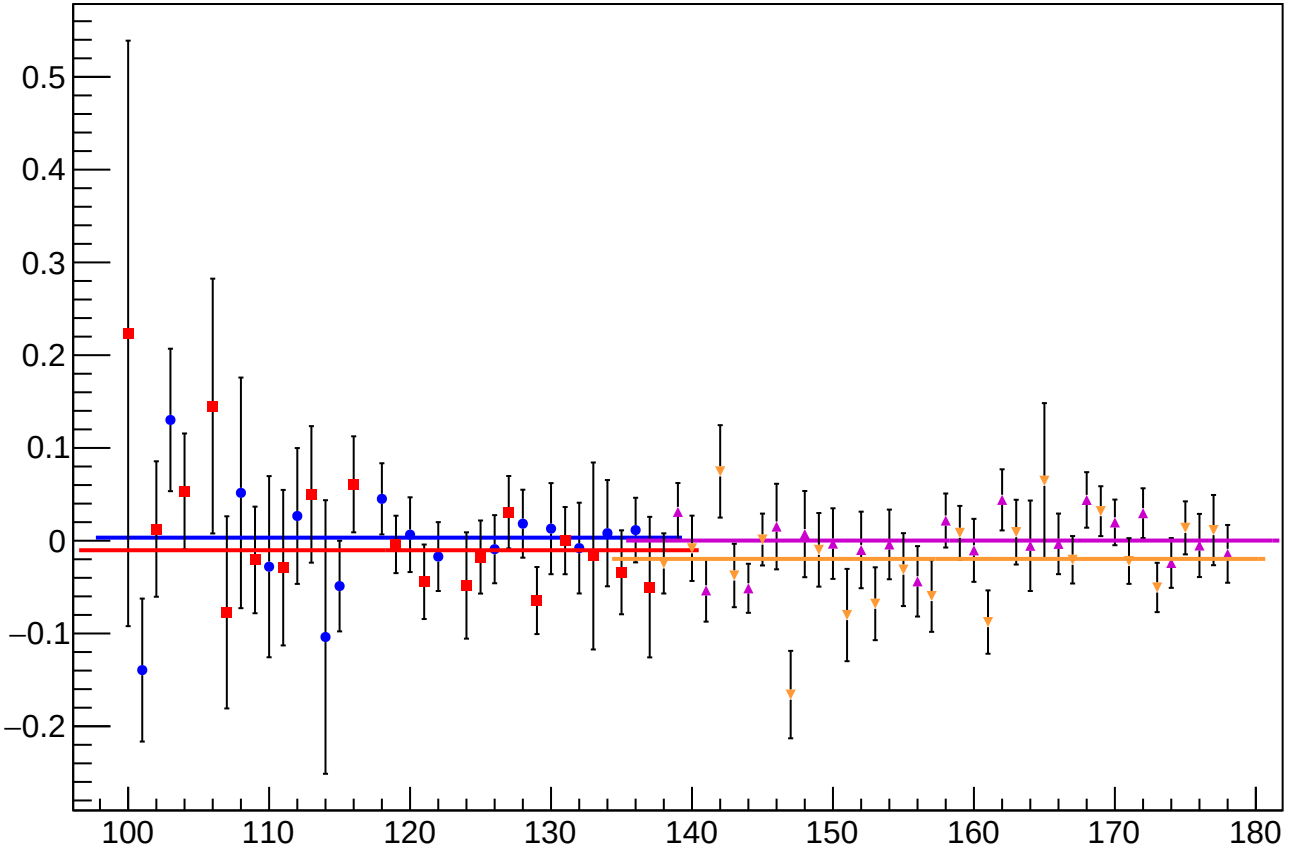
Left In: 0.000+/-0.000 χ^2/NDF:1107543.4/19

+ sign 0.000+/-0.000 χ^2/NDF: 5078906.1/36

All: 0.000+/-0.000 χ^2/NDF: 10353740.6/75

- sign 0.000+/-0.000 χ^2/NDF: 5251320.9/38

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: -0.020+/-0.007 χ^2/NDF:32.1/20

Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

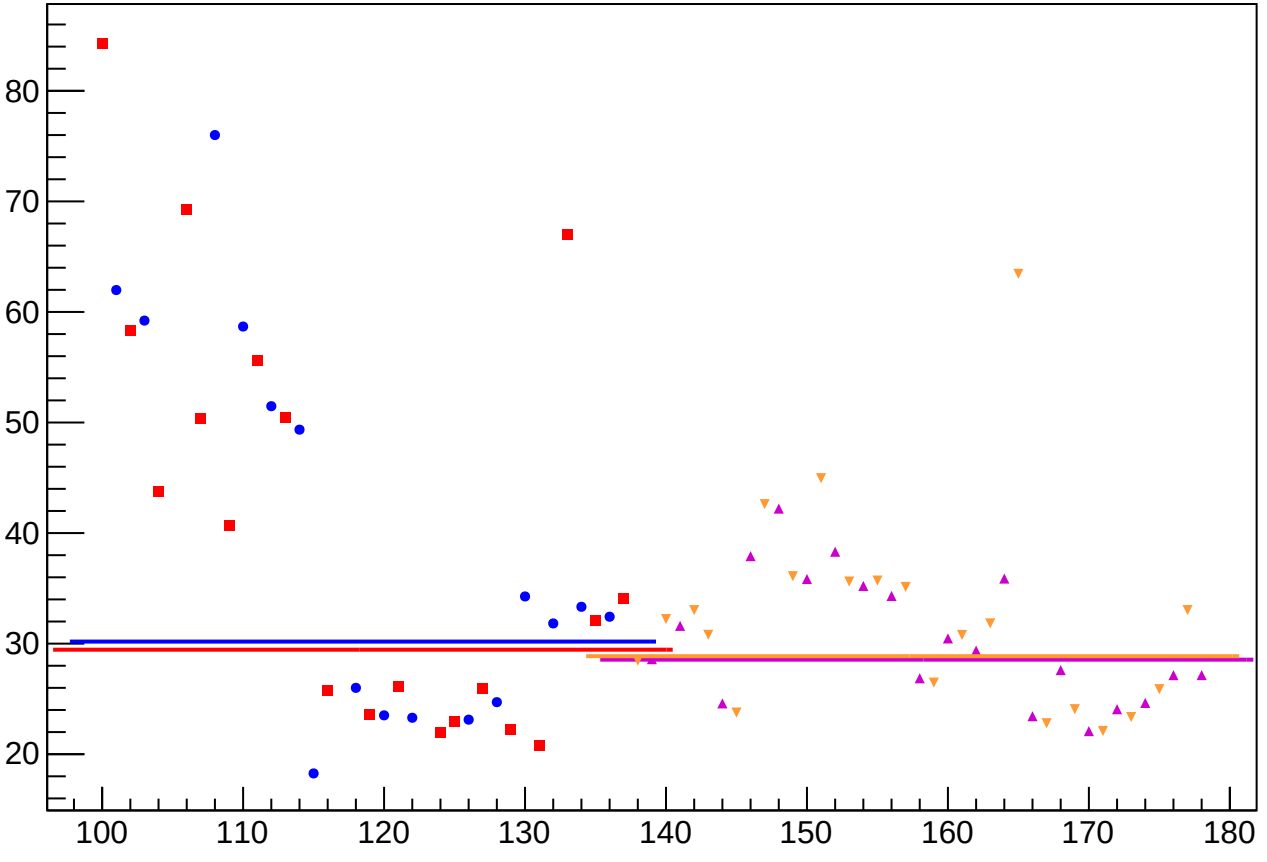
Left In: 0.000+/-0.007 χ^2/NDF:16.3/19

+ sign -0.014+/-0.006 χ^2/NDF: 44.7/36

All: -0.008+/-0.004 χ^2/NDF: 74.4/75

- sign -0.003+/-0.006 χ^2/NDF: 28.1/38

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: 28.865+/-0.005 χ^2/NDF:1558253.2/20

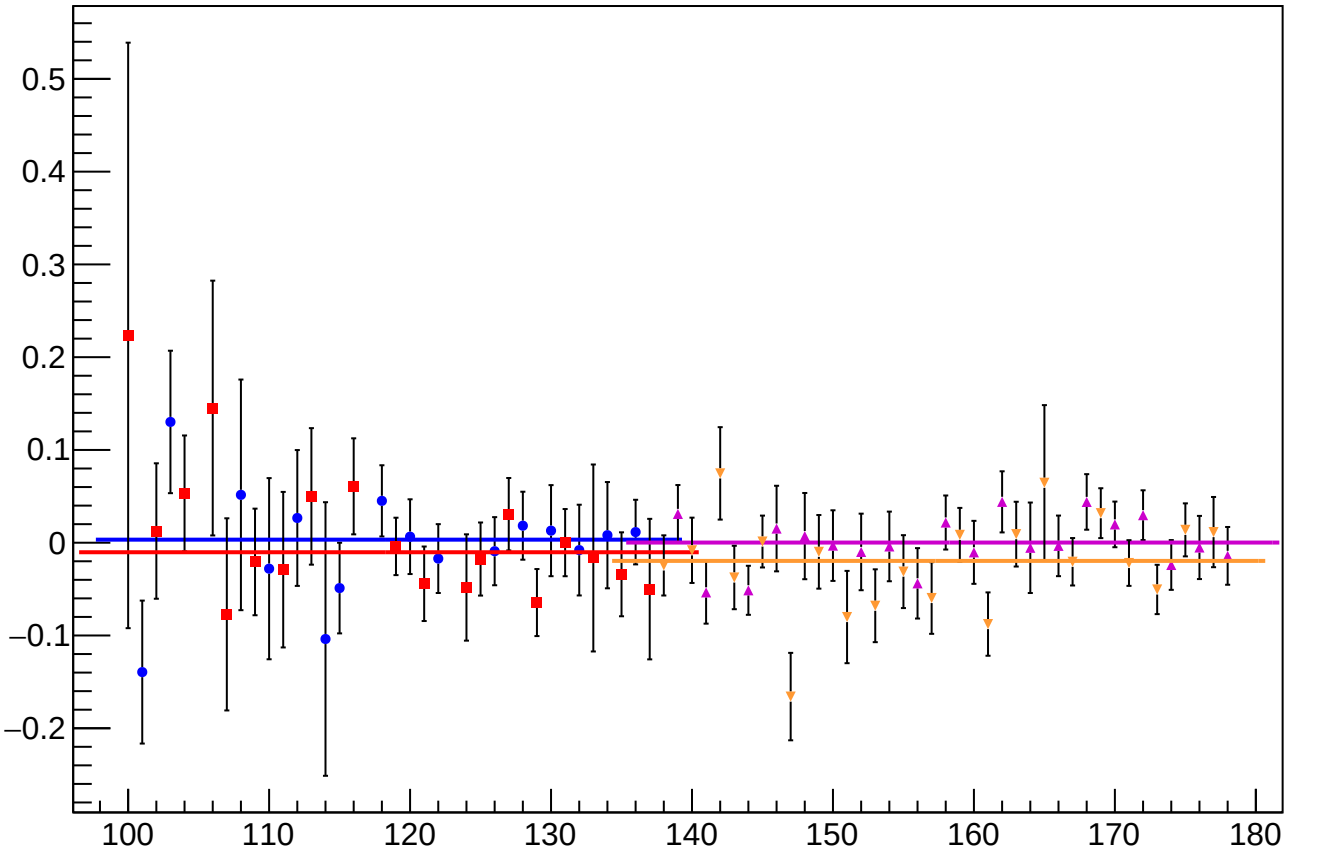
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 28.550+/-0.005 χ^2/NDF:965676.2/19

+ sign 29.212+/-0.004 χ^2/NDF: 3262717.3/36

All: 29.003+/-0.003 χ^2/NDF: 6089785.1/75

- sign 28.800+/-0.004 χ^2/NDF: 2822727.5/38



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.020+/-0.007 χ^2/NDF:32.1/20

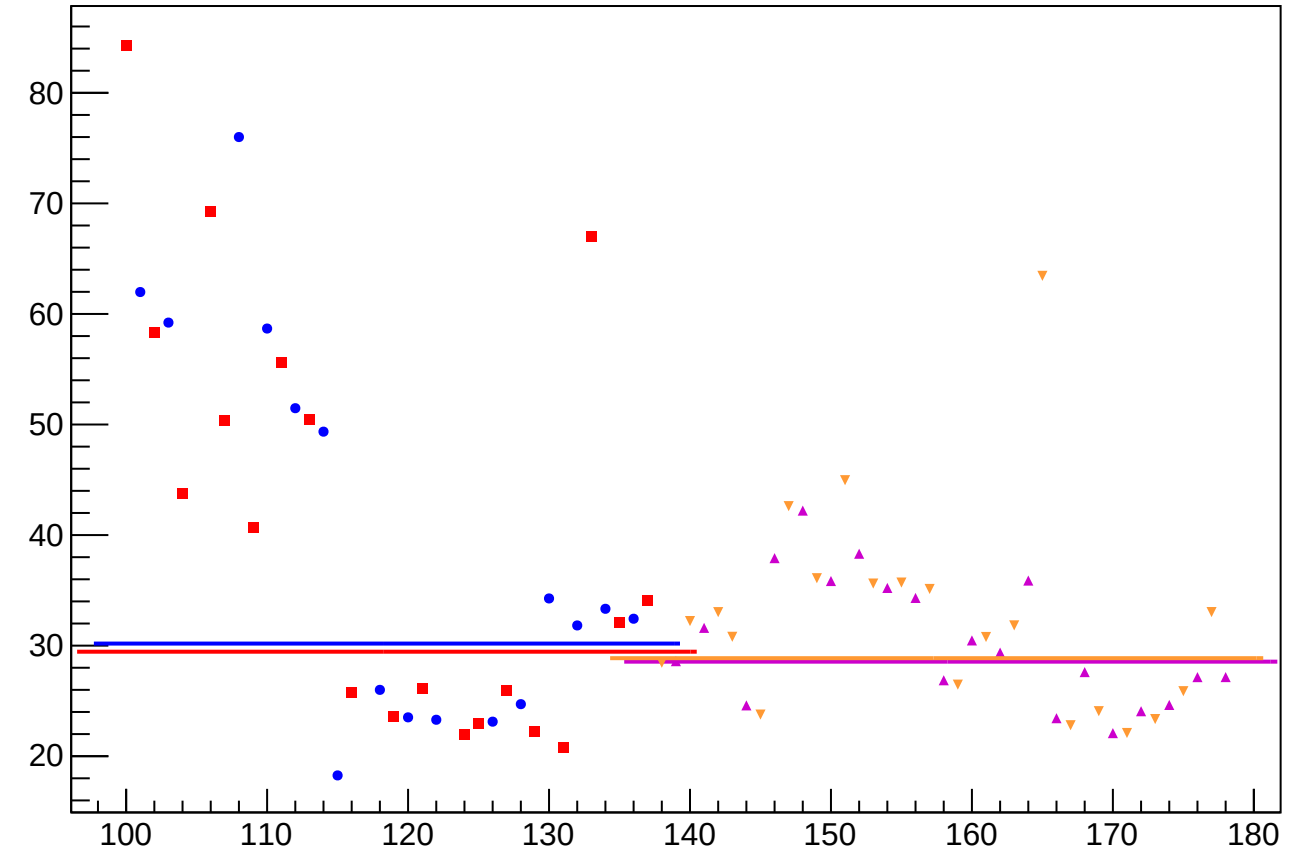
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.000+/-0.007 χ^2/NDF:16.3/19

+ sign -0.014+/-0.006 χ^2/NDF: 44.7/36

All: -0.008+/-0.004 χ^2/NDF: 74.4/75

- sign -0.003+/-0.006 χ^2/NDF: 28.1/38



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 28.865+/-0.005 χ^2/NDF:1558253.2/20

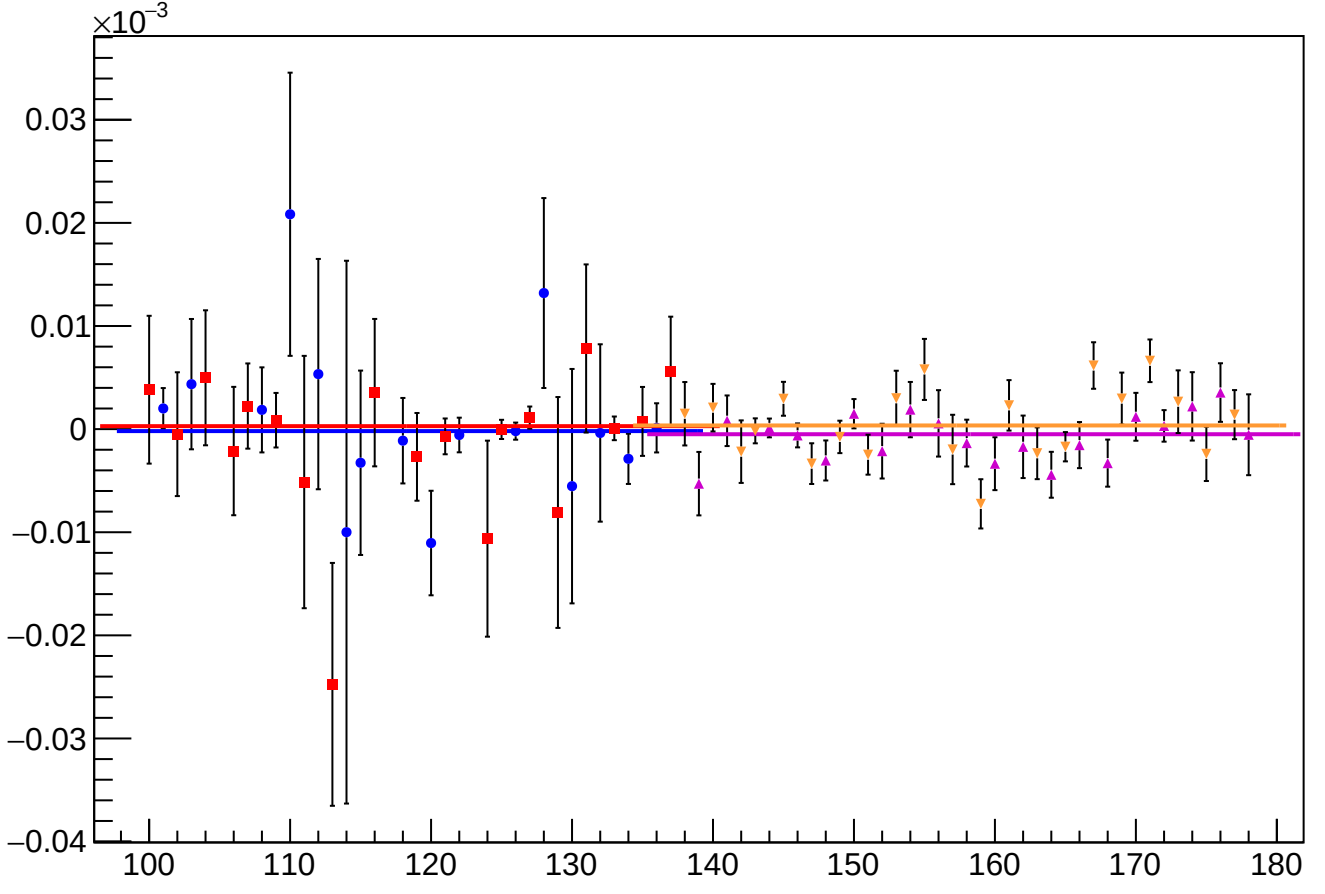
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 28.550+/-0.005 χ^2/NDF:965676.2/19

+ sign 29.212+/-0.004 χ^2/NDF: 3262717.3/36

All: 29.003+/-0.003 χ^2/NDF: 6089785.1/75

- sign 28.800+/-0.004 χ^2/NDF: 2822727.5/38



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:47.9/20

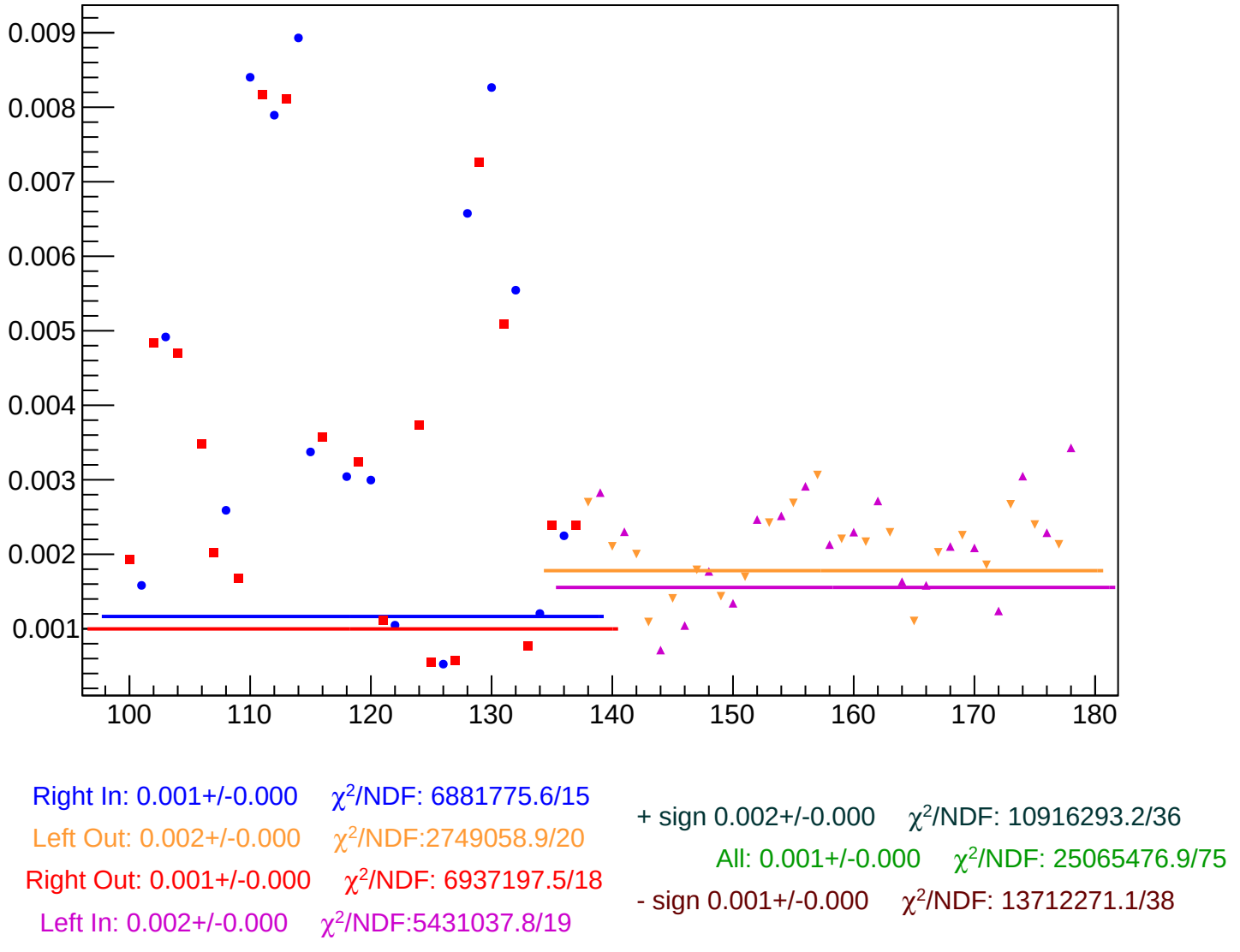
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

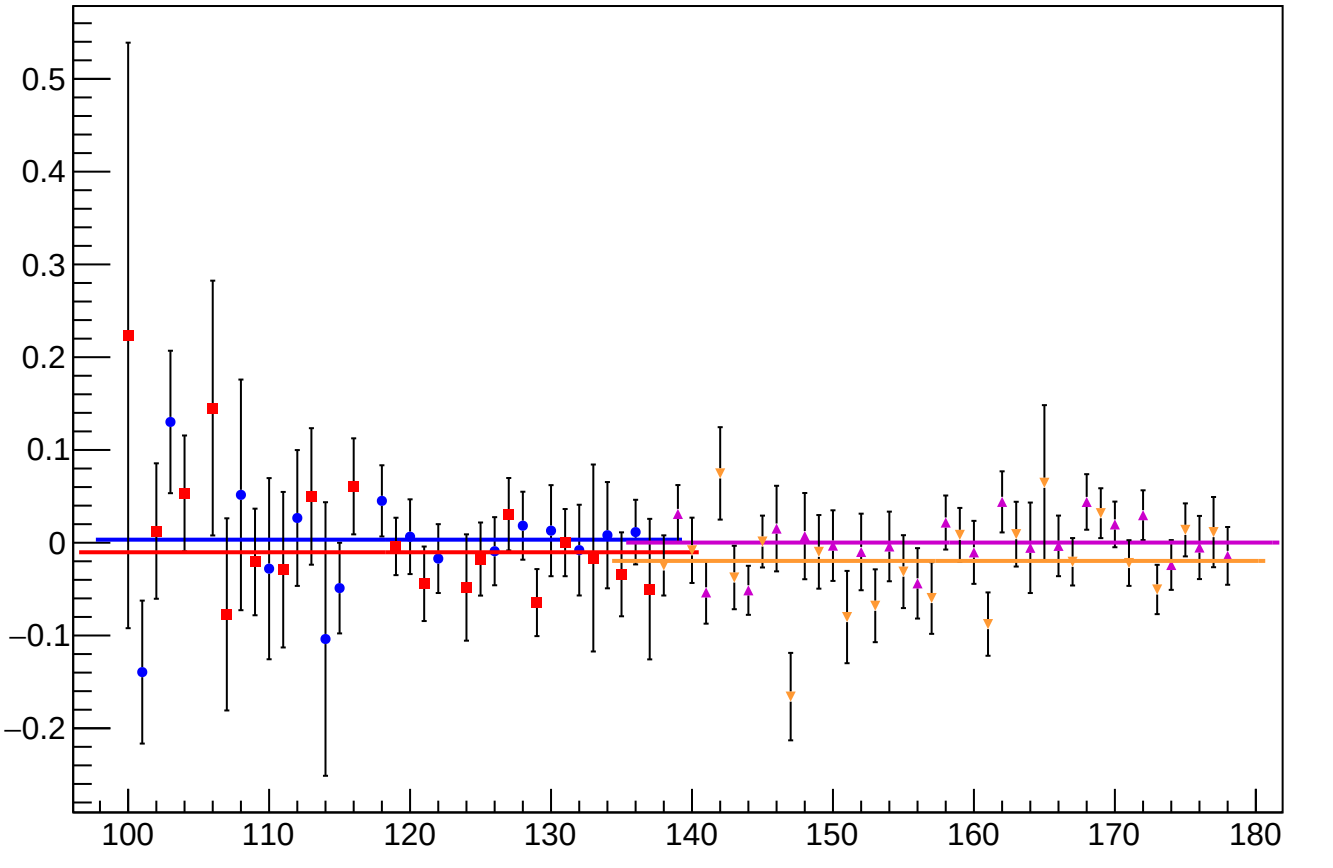
Left In: -0.000+/-0.000 χ^2/NDF:18.0/19

+ sign 0.000+/-0.000 χ^2/NDF: 61.5/36

All: -0.000+/-0.000 χ^2/NDF: 92.7/75

- sign -0.000+/-0.000 χ^2/NDF: 30.8/38


asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 6881775.6/15
Left Out: 0.002+/-0.000 χ²/NDF:2749058.9/20
Right Out: 0.001+/-0.000 χ²/NDF: 6937197.5/18
Left In: 0.002+/-0.000 χ²/NDF:5431037.8/19
+ sign 0.002+/-0.000 χ²/NDF: 10916293.2/36
All: 0.001+/-0.000 χ²/NDF: 25065476.9/75
- sign 0.001+/-0.000 χ²/NDF: 13712271.1/38



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.020+/-0.007 χ^2/NDF:32.1/20

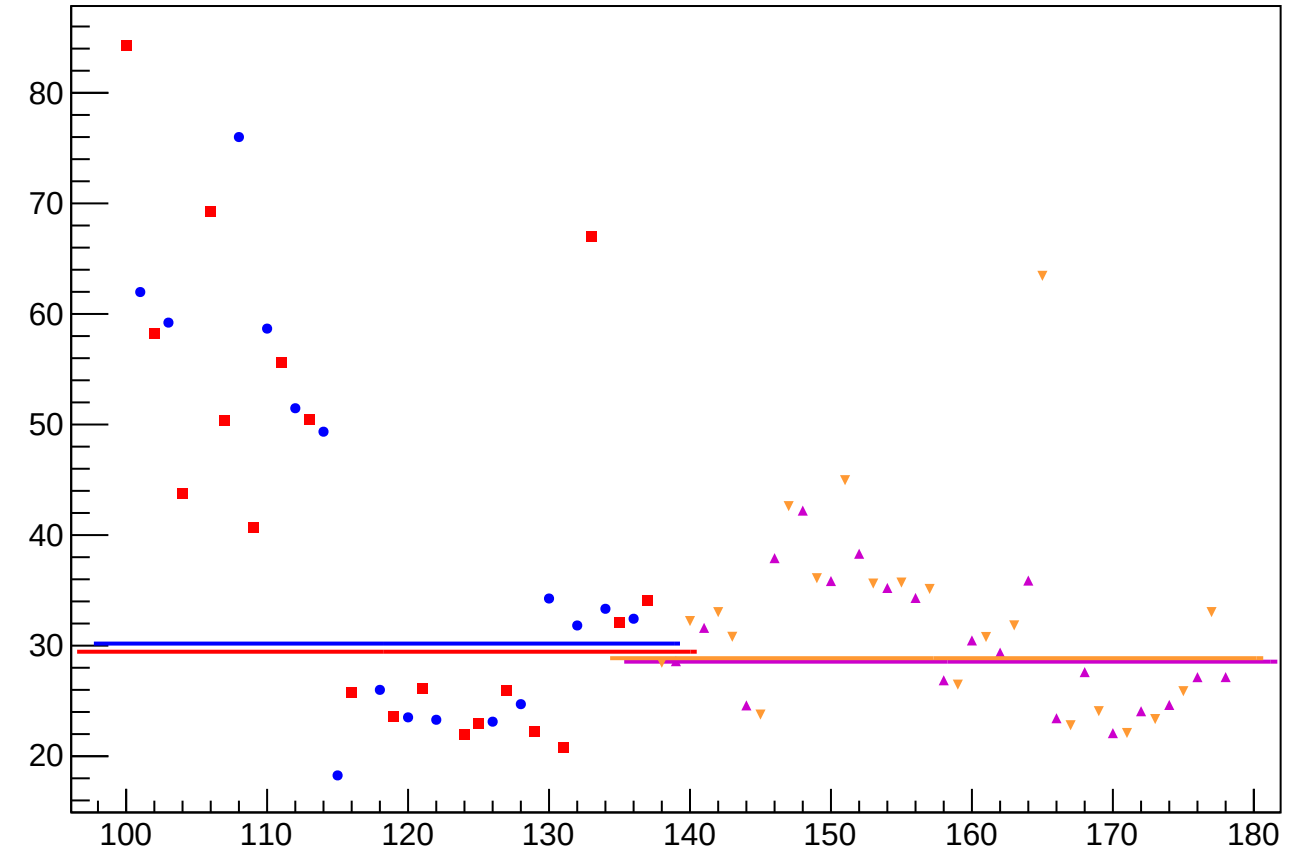
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.000+/-0.007 χ^2/NDF:16.3/19

+ sign -0.014+/-0.006 χ^2/NDF: 44.7/36

All: -0.008+/-0.004 χ^2/NDF: 74.4/75

- sign -0.003+/-0.006 χ^2/NDF: 28.1/38



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 28.865+/-0.005 χ^2/NDF:1558225.4/20

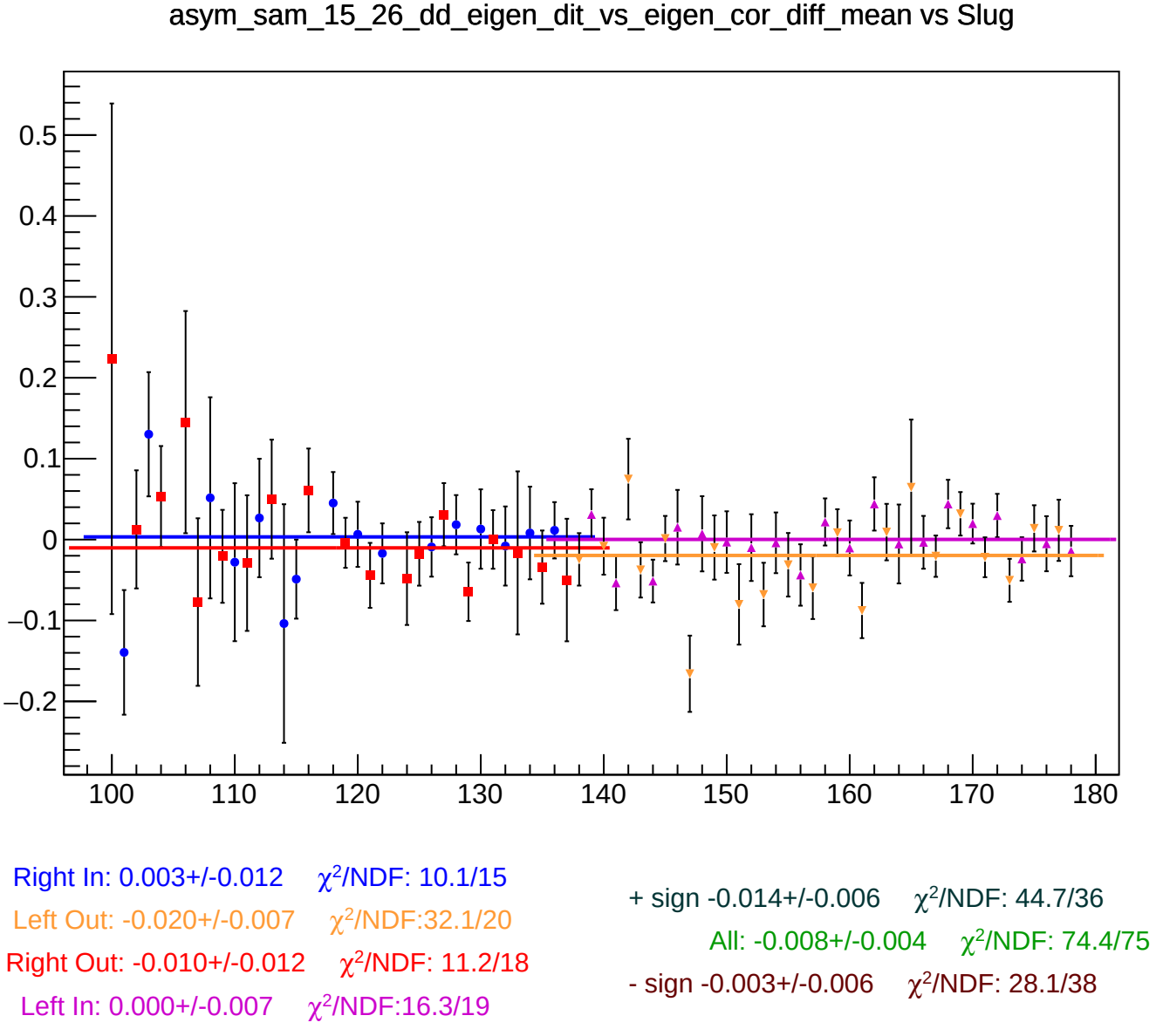
Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

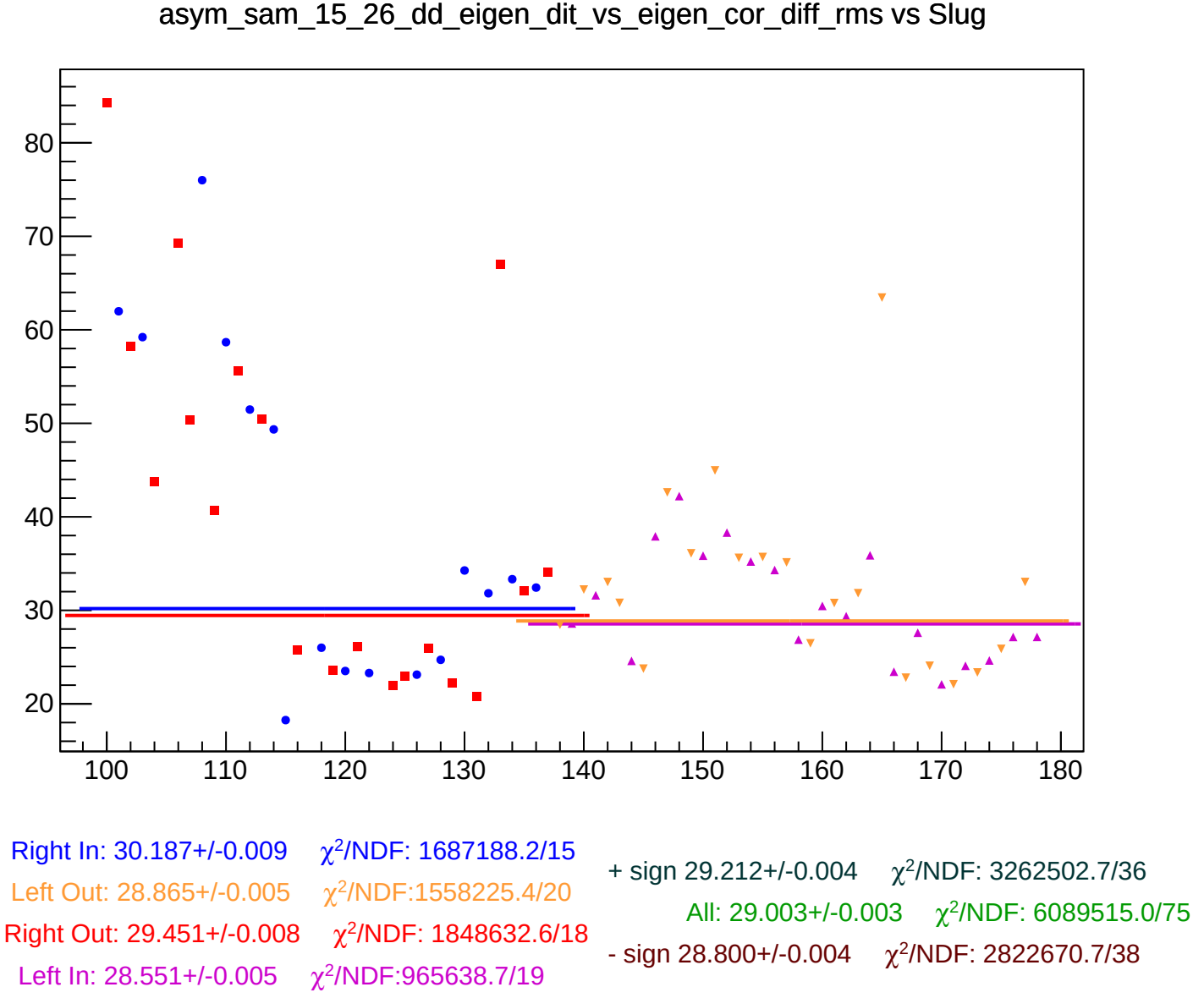
Left In: 28.551+/-0.005 χ^2/NDF:965638.7/19

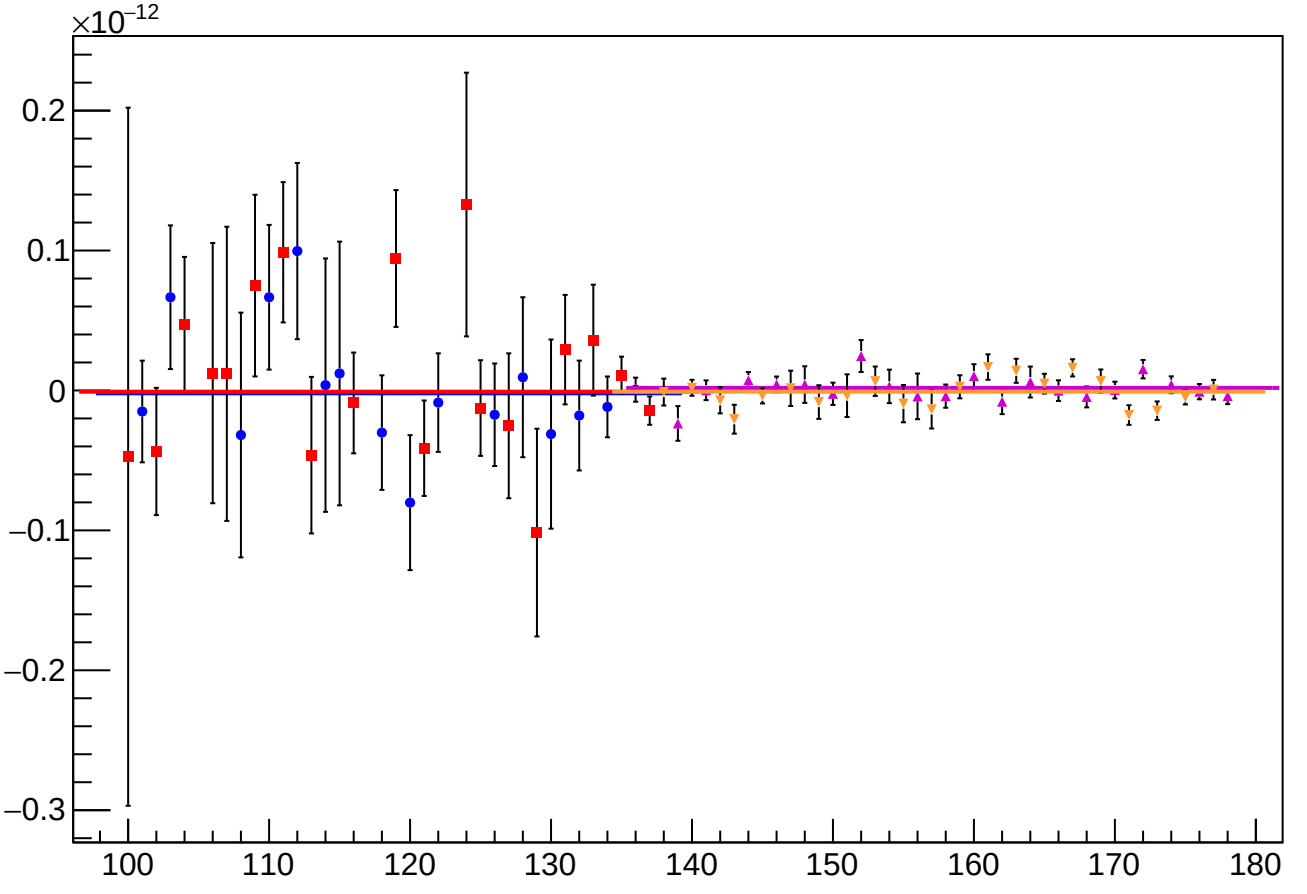
+ sign 29.212+/-0.004 χ^2/NDF: 3262502.7/36

All: 29.003+/-0.003 χ^2/NDF: 6089515.0/75

- sign 28.800+/-0.004 χ^2/NDF: 2822670.7/38


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
170
180
Right In: 0.003+/-0.012 χ²/NDF: 10.1/15
Left Out: -0.020+/-0.007 χ²/NDF:32.1/20
Right Out: -0.010+/-0.012 χ²/NDF: 11.2/18
Left In: 0.000+/-0.007 χ²/NDF:16.3/19
+ sign -0.014+/-0.006 χ²/NDF: 44.7/36
All: -0.008+/-0.004 χ²/NDF: 74.4/75
- sign -0.003+/-0.006 χ²/NDF: 28.1/38


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
80
70
60
50
40
30
20
100
110
120
130
140
150
160
170
180
Right In: 30.187+/-0.009 χ²/NDF: 1687188.2/15
Left Out: 28.865+/-0.005 χ²/NDF:1558225.4/20
Right Out: 29.451+/-0.008 χ²/NDF: 1848632.6/18
Left In: 28.551+/-0.005 χ²/NDF:965638.7/19
+ sign 29.212+/-0.004 χ²/NDF: 3262502.7/36
All: 29.003+/-0.003 χ²/NDF: 6089515.0/75
- sign 28.800+/-0.004 χ²/NDF: 2822670.7/38



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.4/20

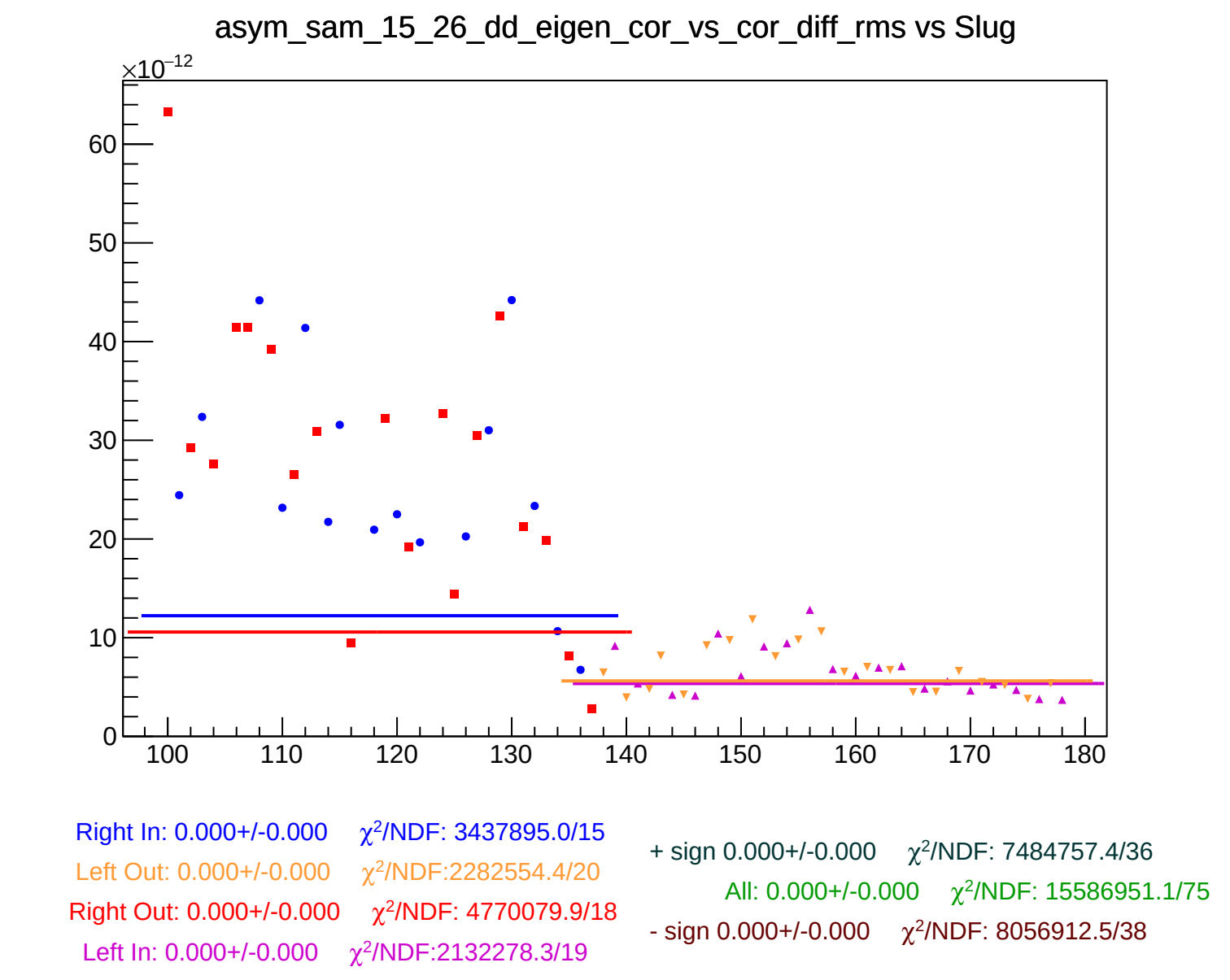
Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:19.0/19

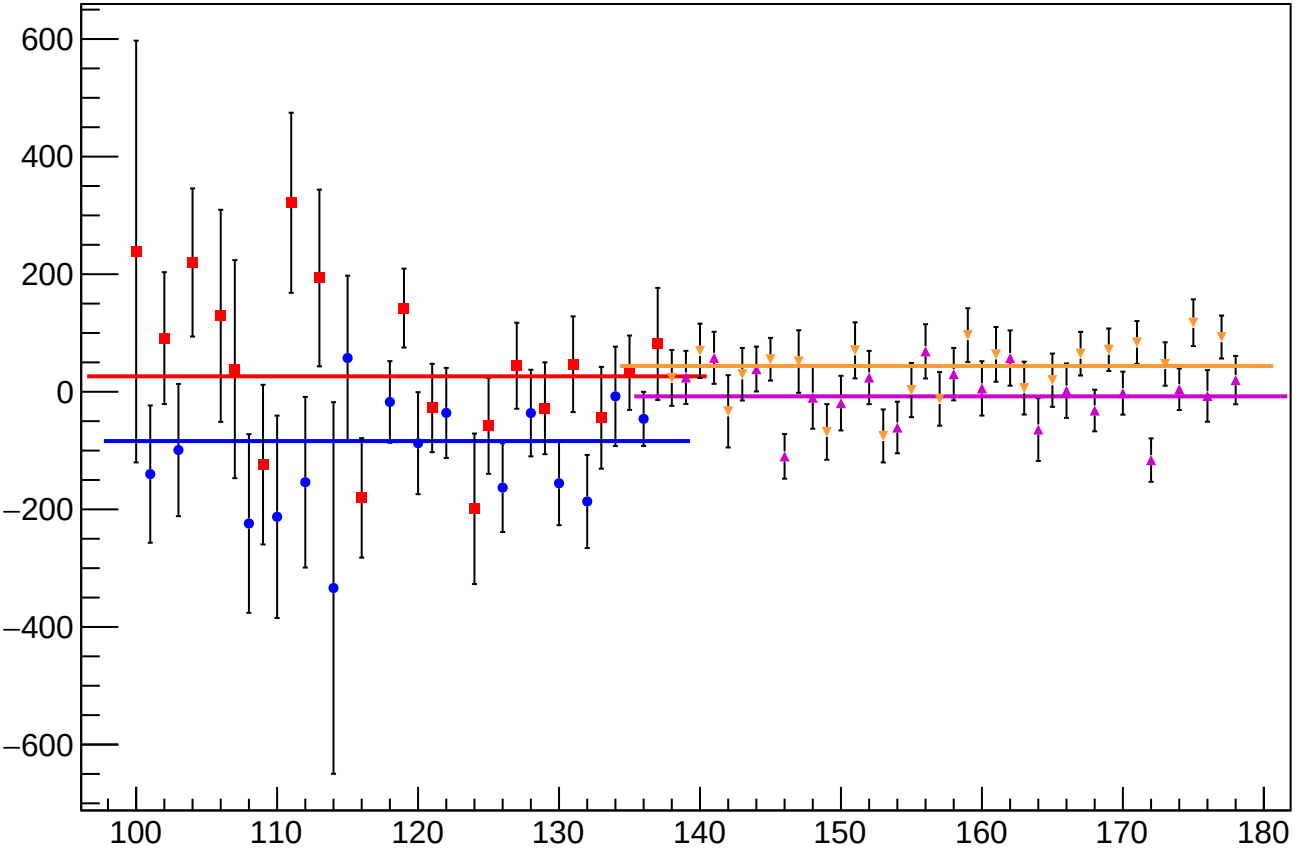
+ sign -0.000+/-0.000 χ^2/NDF: 43.9/36

All: 0.000+/-0.000 χ^2/NDF: 85.7/75

- sign 0.000+/-0.000 χ^2/NDF: 40.6/38


asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3437895.0/15
Left Out: 0.000+/-0.000 χ²/NDF:2282554.4/20
Right Out: 0.000+/-0.000 χ²/NDF: 4770079.9/18
Left In: 0.000+/-0.000 χ²/NDF:2132278.3/19
+ sign 0.000+/-0.000 χ²/NDF: 7484757.4/36
All: 0.000+/-0.000 χ²/NDF: 15586951.1/75
- sign 0.000+/-0.000 χ²/NDF: 8056912.5/38

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 43.887+/-9.368 χ^2/NDF:27.3/20

Right Out: 26.301+/-22.067 χ^2/NDF: 23.0/18

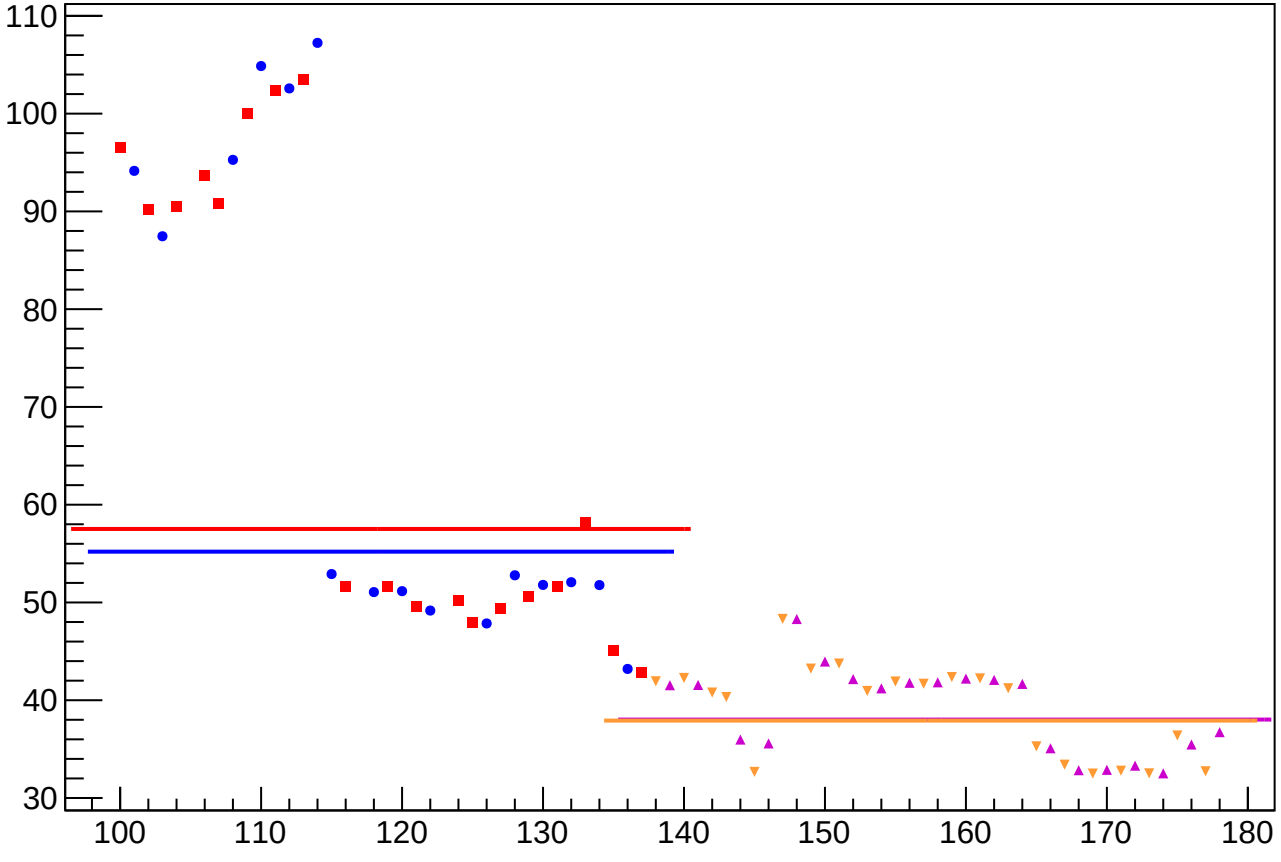
Left In: -7.763+/-9.488 χ^2/NDF:29.7/19

+ sign 23.409+/-8.584 χ^2/NDF: 67.7/36

All: 10.678+/-6.116 χ^2/NDF: 126.8/75

- sign -2.448+/-8.716 χ^2/NDF: 54.7/38

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.1/15

Left Out: 37.919+/-0.007 χ^2/NDF:507175.5/20

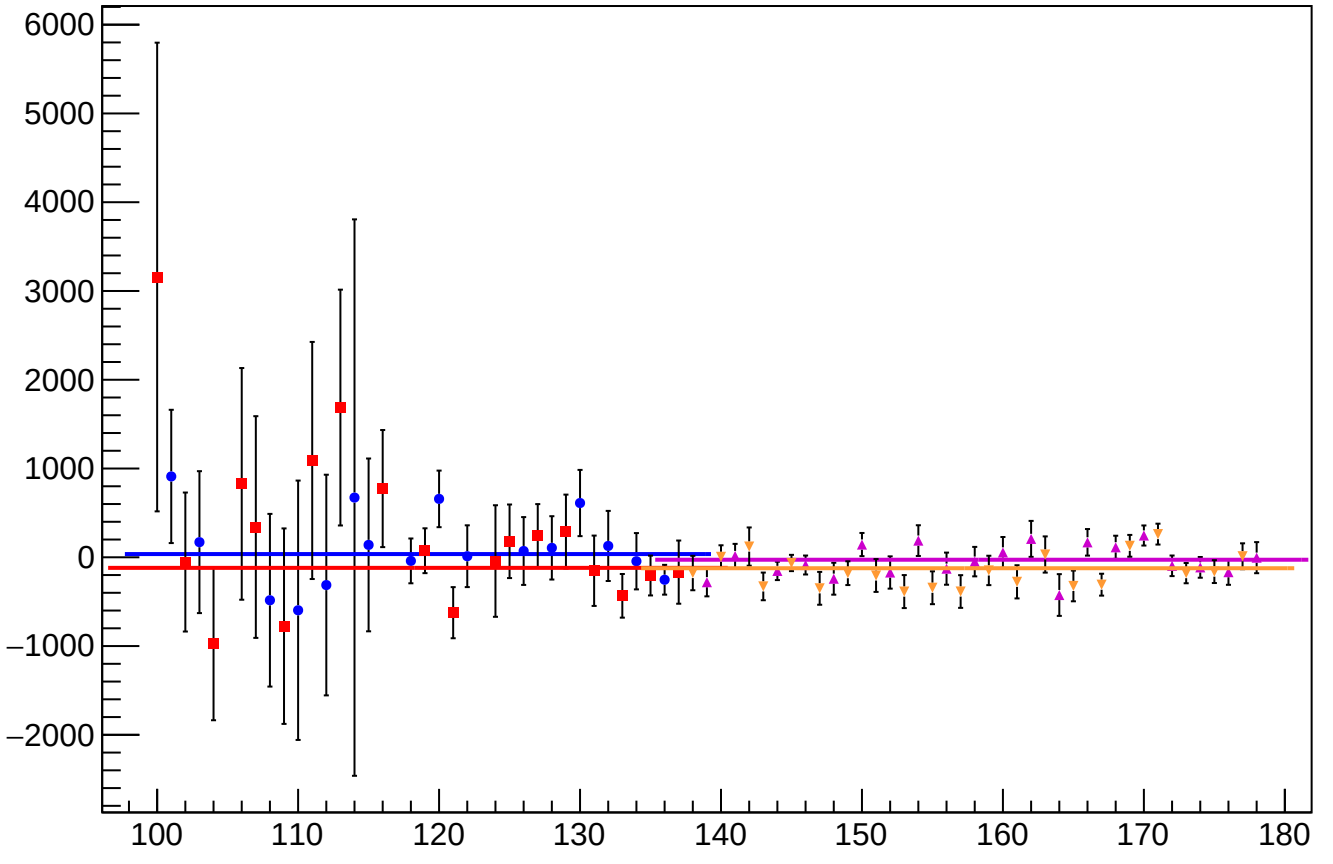
Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

Left In: 38.023+/-0.007 χ^2/NDF:423393.2/19

+ sign 40.690+/-0.006 χ^2/NDF: 2750985.0/36

All: 40.875+/-0.004 χ^2/NDF: 5775585.8/75

- sign 41.065+/-0.006 χ^2/NDF: 3022720.9/38



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -123.222+/-31.930 χ^2/NDF:32.7/20

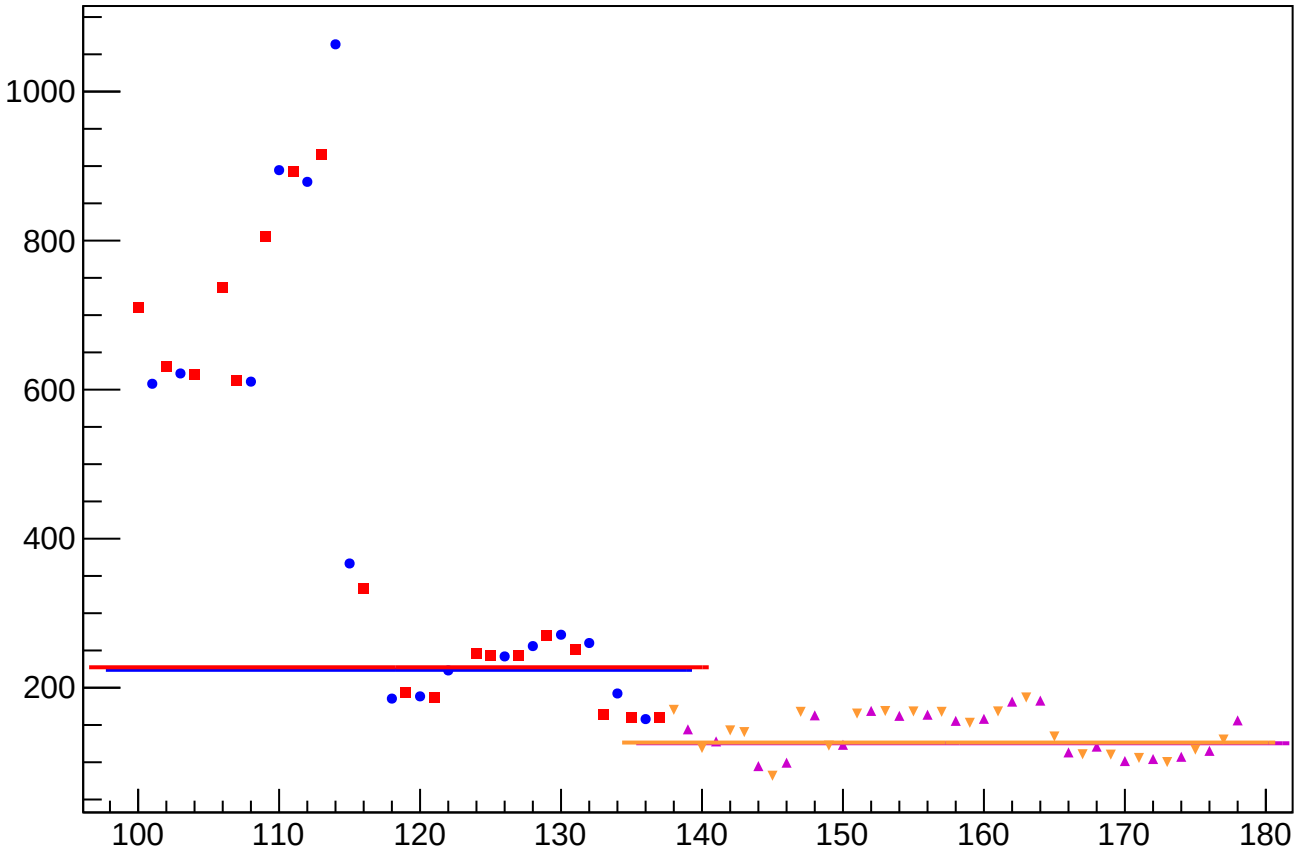
Right Out: -119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: -27.585+/-31.929 χ^2/NDF:25.0/19

+ sign -106.579+/-30.219 χ^2/NDF: 46.7/36

All: -71.741+/-21.394 χ^2/NDF: 91.3/75

- sign -36.735+/-30.292 χ^2/NDF: 41.9/38



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 126.430+/-0.023 χ^2/NDF:1682638.1/20

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

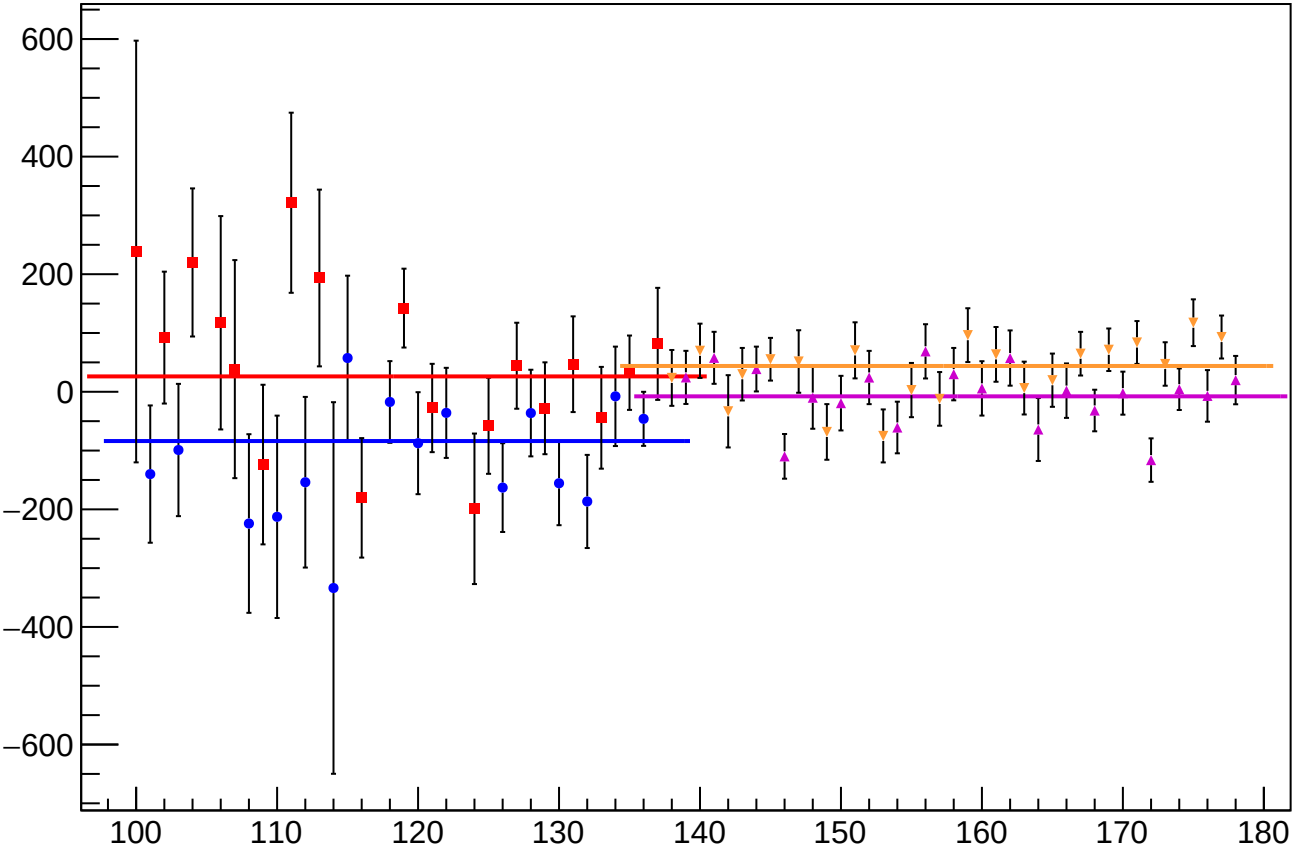
Left In: 125.469+/-0.023 χ^2/NDF:1402387.2/19

+ sign 136.612+/-0.021 χ^2/NDF: 6600457.4/36

All: 136.136+/-0.015 χ^2/NDF: 13683064.7/75

- sign 135.658+/-0.021 χ^2/NDF: 7081611.9/38

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 43.889+/-9.368 χ^2/NDF:27.3/20

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

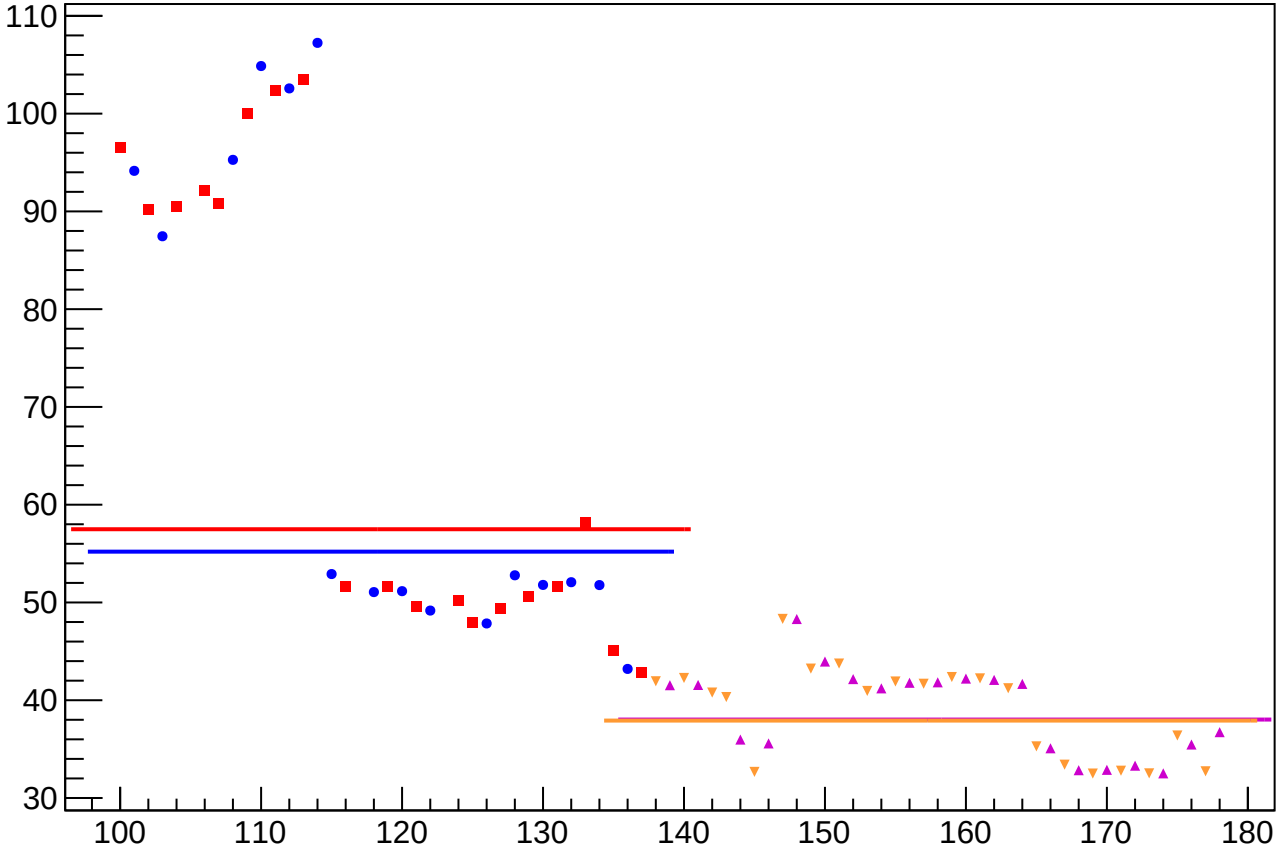
Left In: -7.763+/-9.488 χ^2/NDF:29.7/19

+ sign 23.411+/-8.584 χ^2/NDF: 67.7/36

All: 10.667+/-6.116 χ^2/NDF: 126.8/75

- sign -2.474+/-8.716 χ^2/NDF: 54.6/38

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 37.919+/-0.007 χ^2/NDF:507175.5/20

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

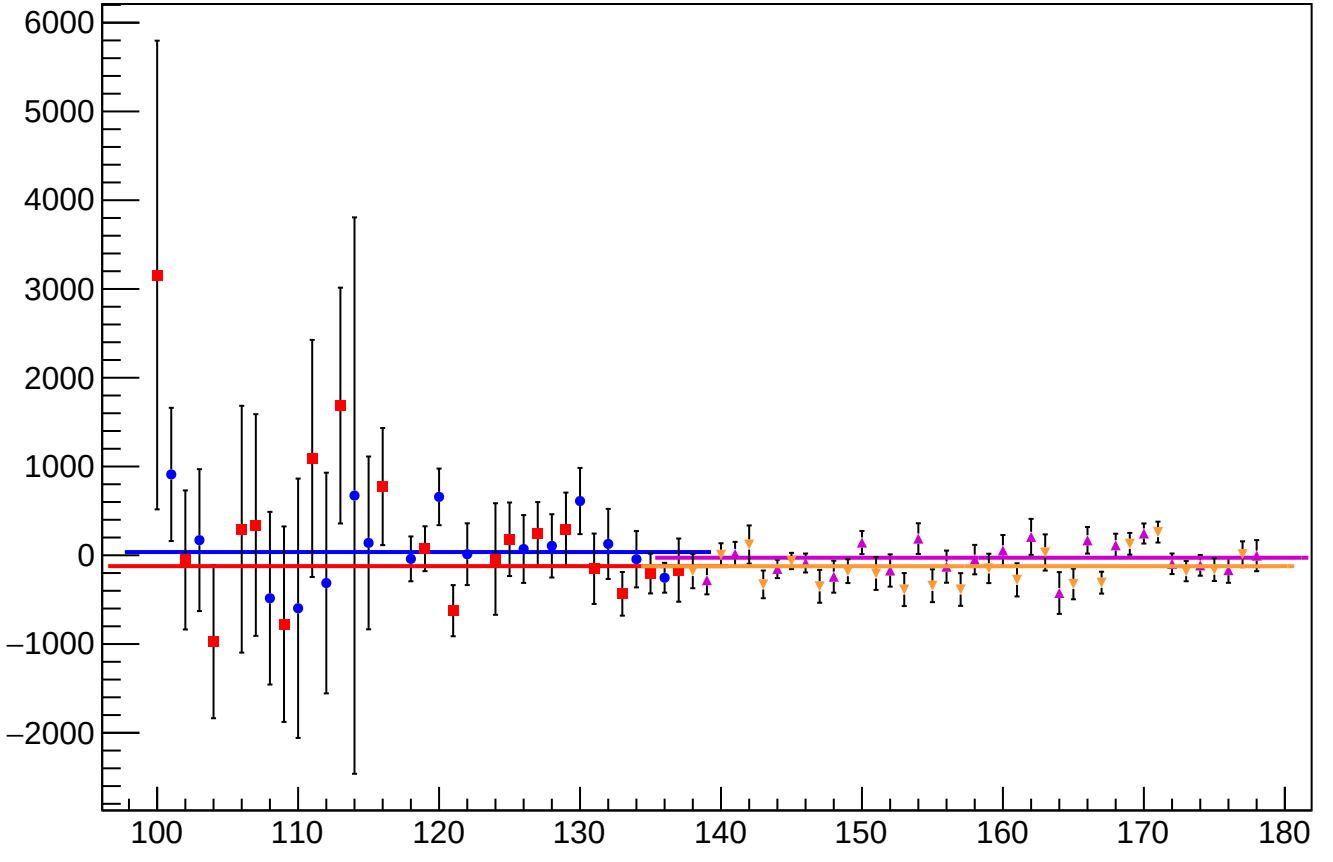
Left In: 38.023+/-0.007 χ^2/NDF:423393.2/19

+ sign 40.690+/-0.006 χ^2/NDF: 2750985.2/36

All: 40.872+/-0.004 χ^2/NDF: 5764017.6/75

- sign 41.060+/-0.006 χ^2/NDF: 3011202.3/38

asym_sam_37_26_dd_cor_correction_mean vs Slug



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -123.223+/-31.930 χ^2/NDF:32.7/20

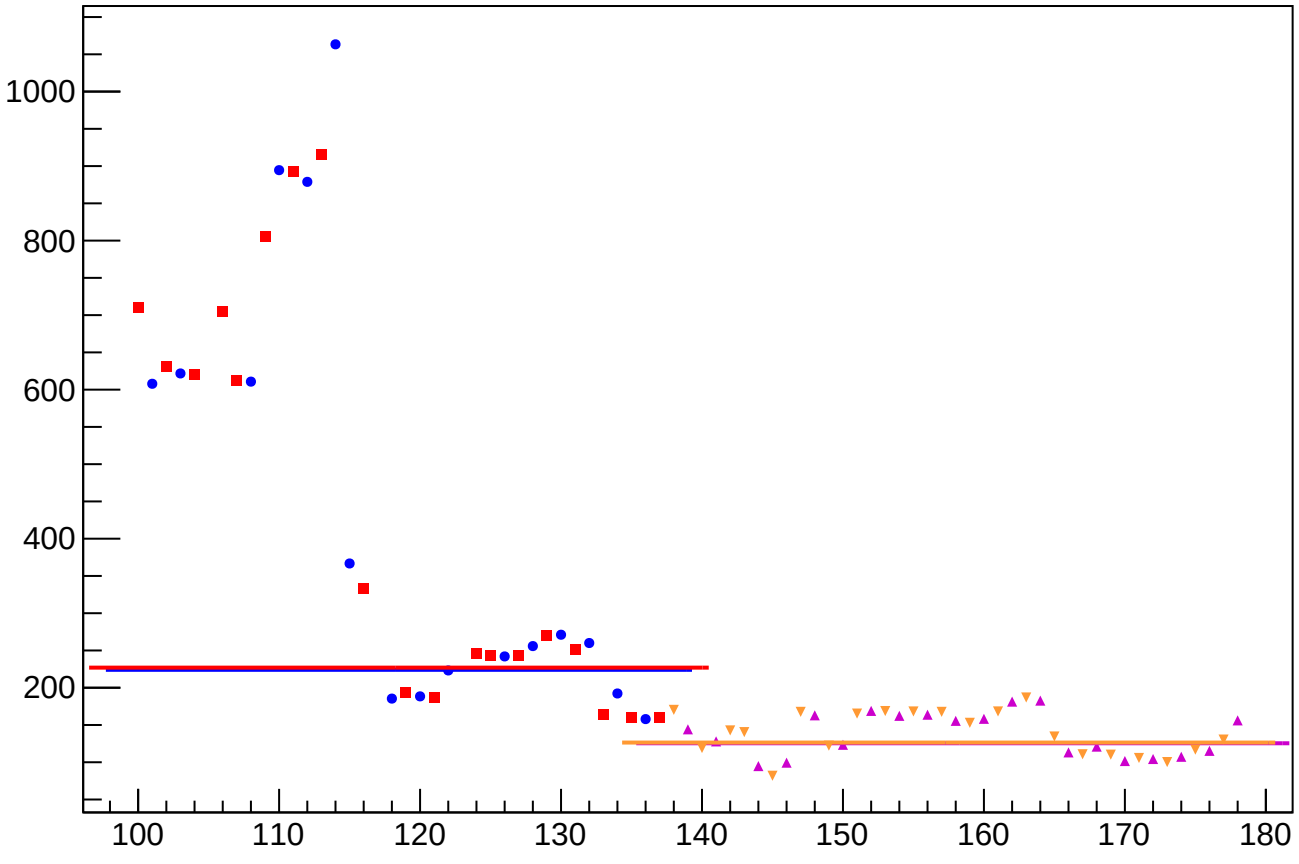
Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: -27.586+/-31.929 χ^2/NDF:25.0/19

+ sign -106.579+/-30.219 χ^2/NDF: 46.7/36

All: -71.895+/-21.394 χ^2/NDF: 90.9/75

- sign -37.042+/-30.293 χ^2/NDF: 41.5/38



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 126.430+/-0.023 χ^2/NDF:1682636.8/20

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

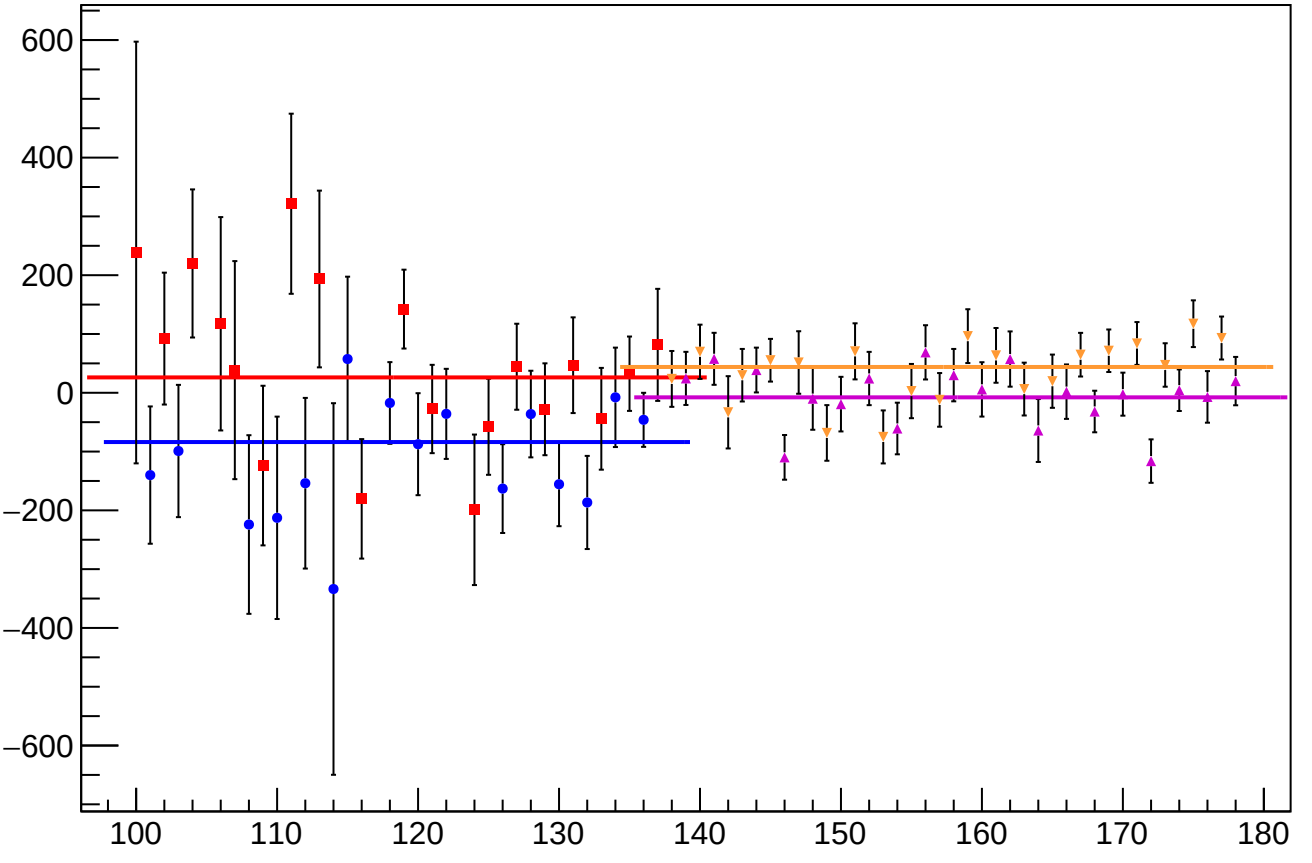
Left In: 125.469+/-0.023 χ^2/NDF:1402395.9/19

+ sign 136.612+/-0.021 χ^2/NDF: 6600461.9/36

All: 136.109+/-0.015 χ^2/NDF: 13594183.0/75

- sign 135.604+/-0.021 χ^2/NDF: 6992609.8/38

eigen_cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 43.889+/-9.368 χ^2/NDF:27.3/20

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

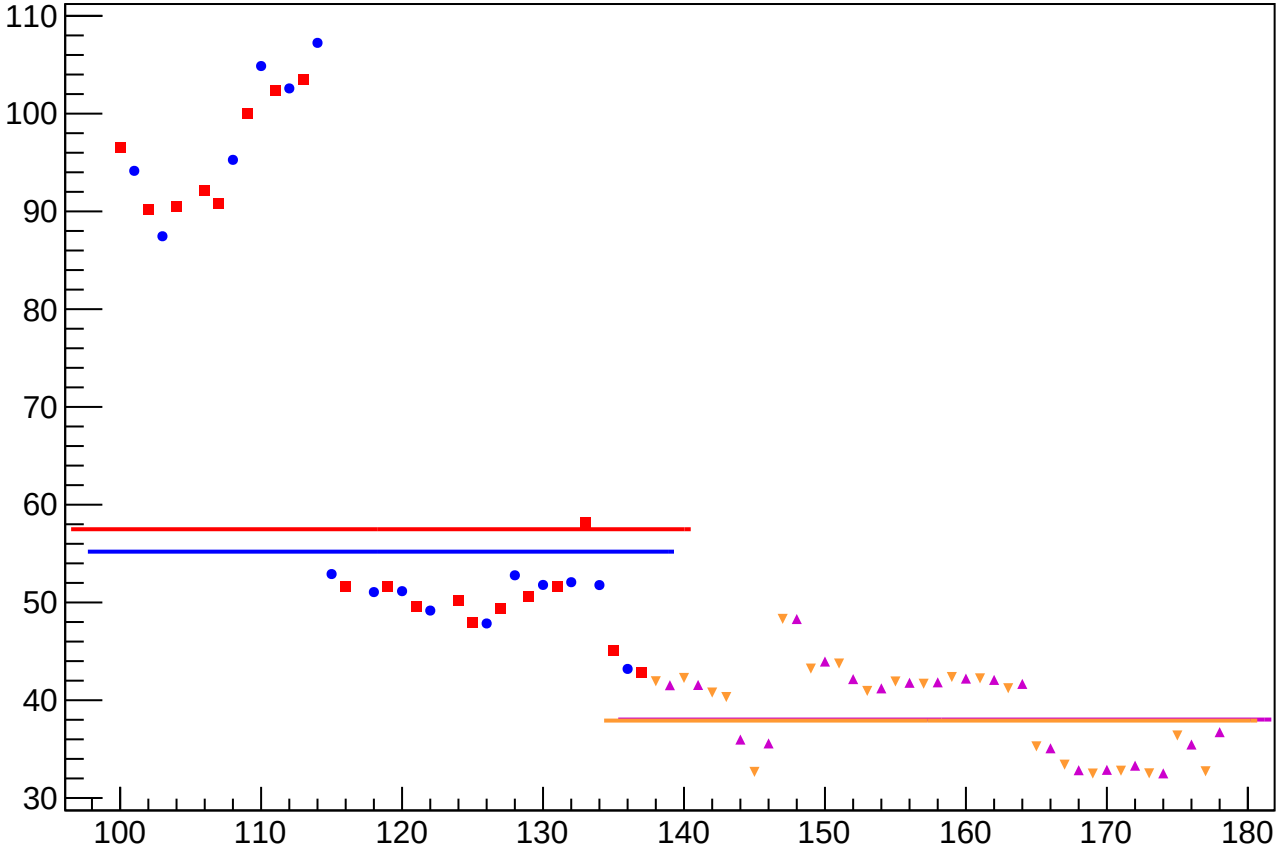
Left In: -7.763+/-9.488 χ^2/NDF:29.7/19

+ sign 23.411+/-8.584 χ^2/NDF: 67.7/36

All: 10.667+/-6.116 χ^2/NDF: 126.8/75

- sign -2.474+/-8.716 χ^2/NDF: 54.6/38

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 37.919+/-0.007 χ^2/NDF:507175.5/20

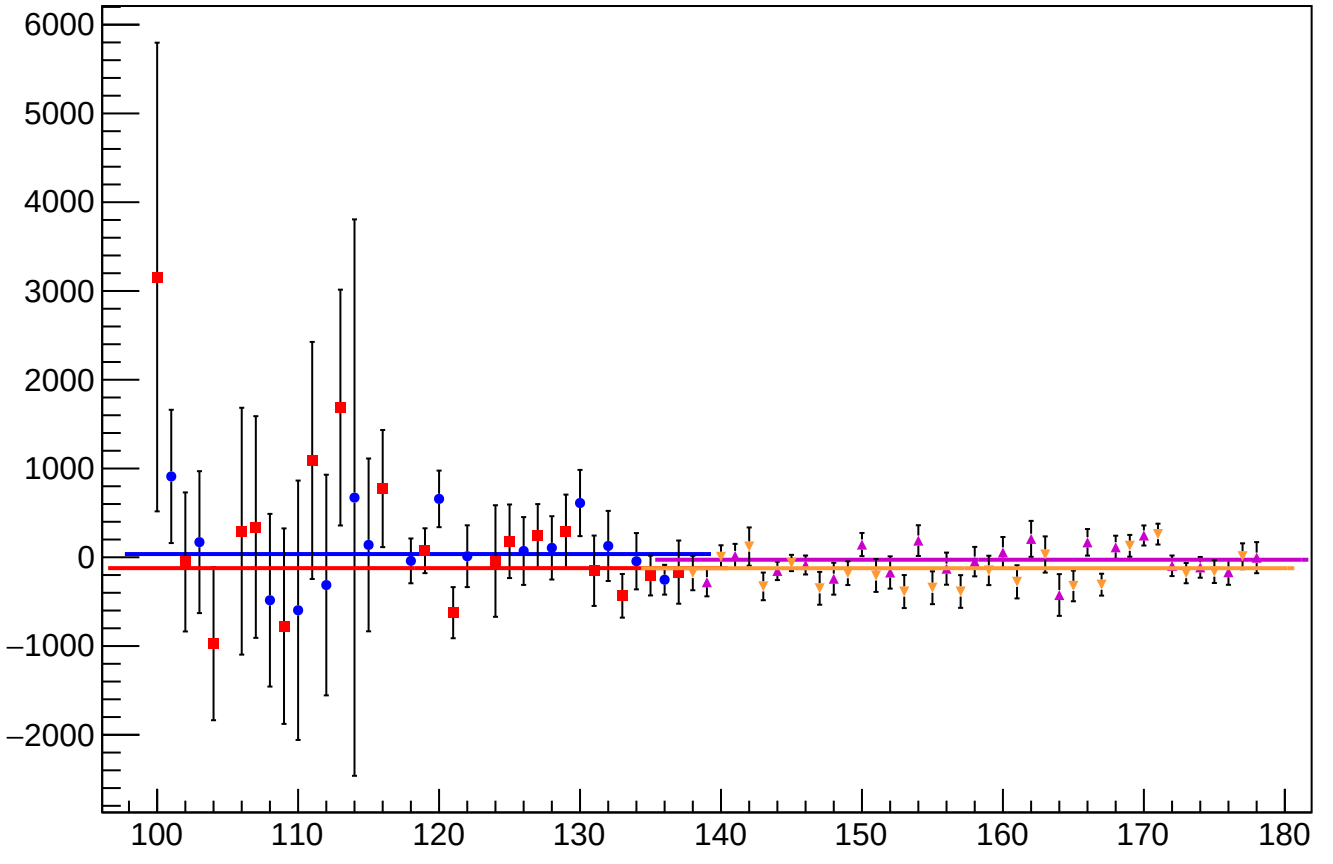
Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 38.023+/-0.007 χ^2/NDF:423393.2/19

+ sign 40.690+/-0.006 χ^2/NDF: 2750985.2/36

All: 40.872+/-0.004 χ^2/NDF: 5764017.6/75

- sign 41.060+/-0.006 χ^2/NDF: 3011202.3/38



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -123.223+/-31.930 χ^2/NDF:32.7/20

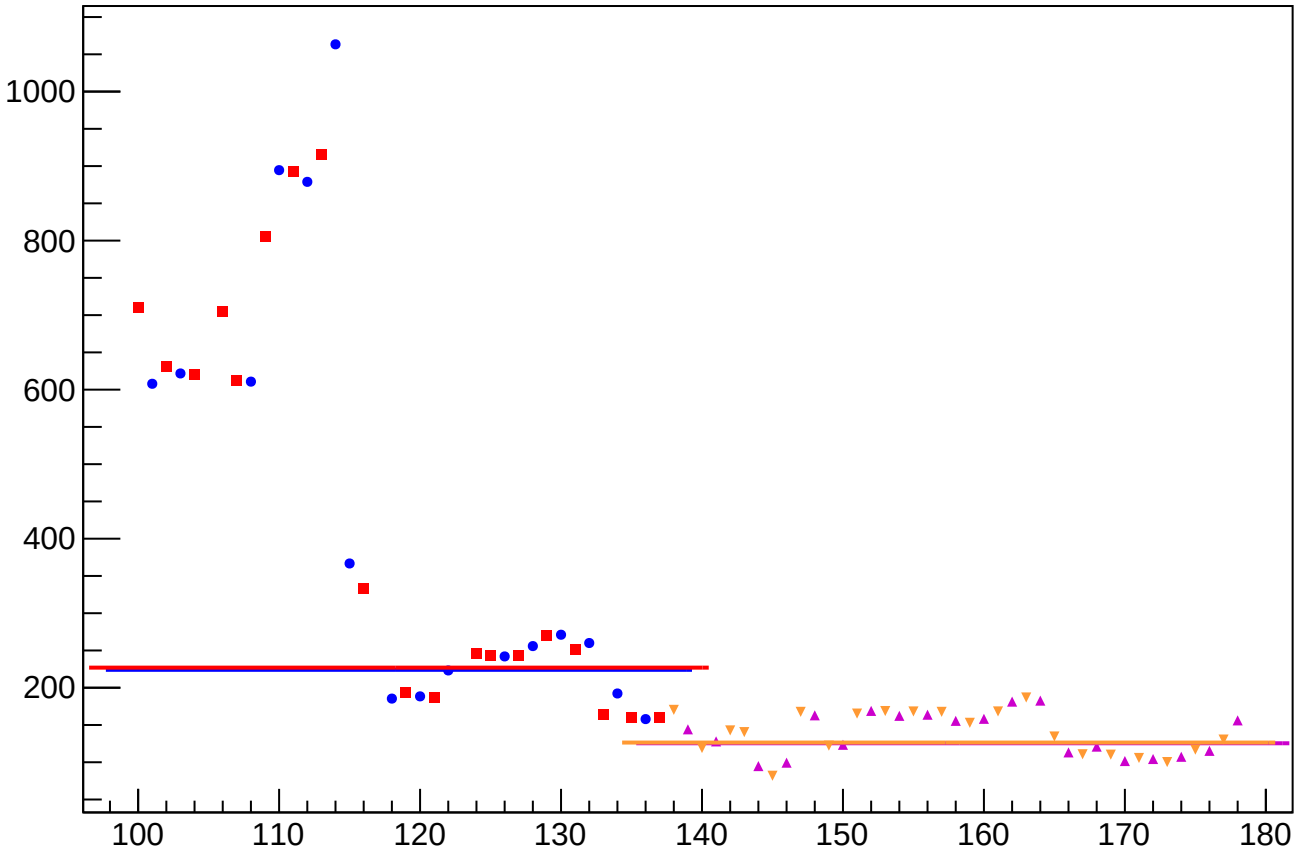
Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: -27.586+/-31.929 χ^2/NDF:25.0/19

+ sign -106.579+/-30.219 χ^2/NDF: 46.7/36

All: -71.895+/-21.394 χ^2/NDF: 90.9/75

- sign -37.042+/-30.293 χ^2/NDF: 41.5/38



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 126.430+/-0.023 χ^2/NDF:1682636.8/20

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

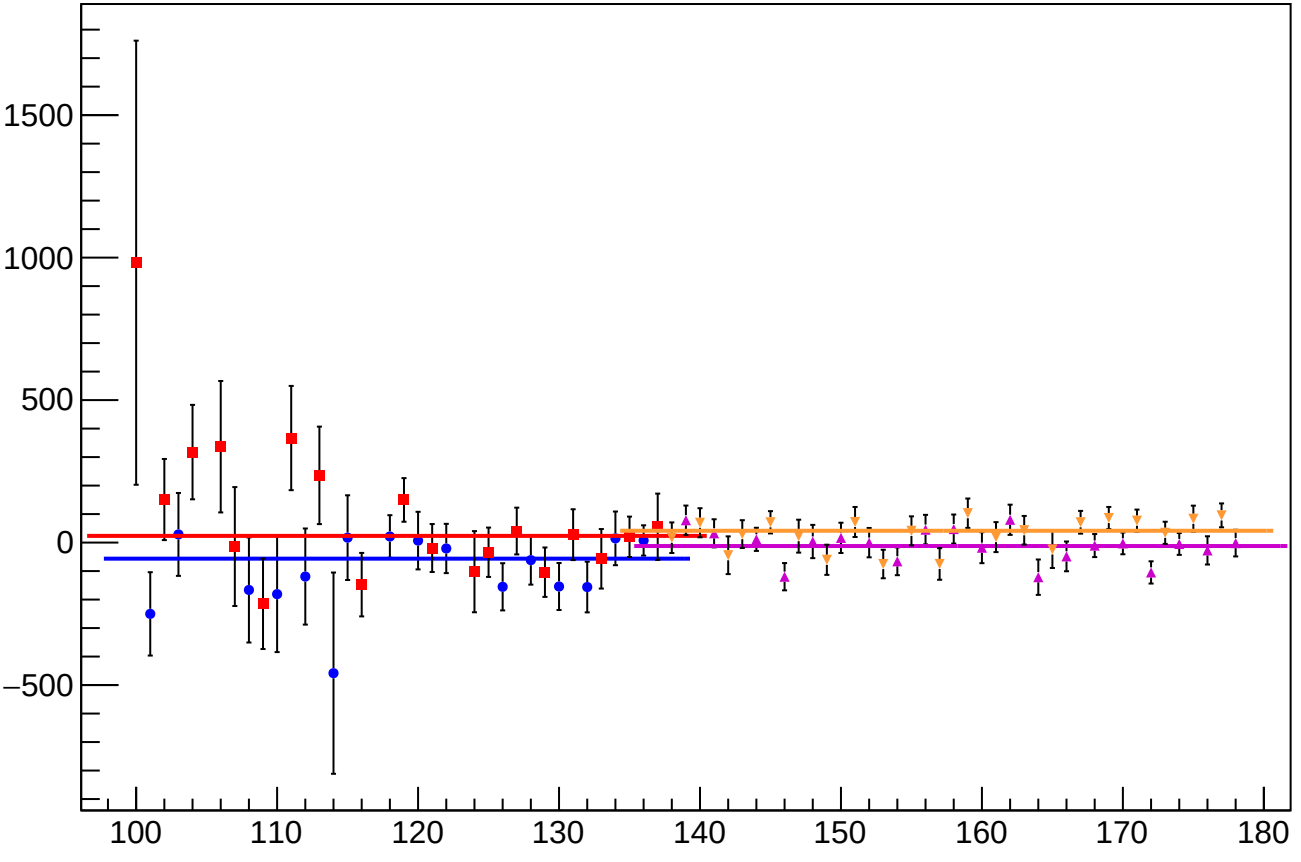
Left In: 125.469+/-0.023 χ^2/NDF:1402395.9/19

+ sign 136.612+/-0.021 χ^2/NDF: 6600461.9/36

All: 136.109+/-0.015 χ^2/NDF: 13594183.0/75

- sign 135.604+/-0.021 χ^2/NDF: 6992609.8/38

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 41.432+/-10.436 χ^2/NDF:24.7/20

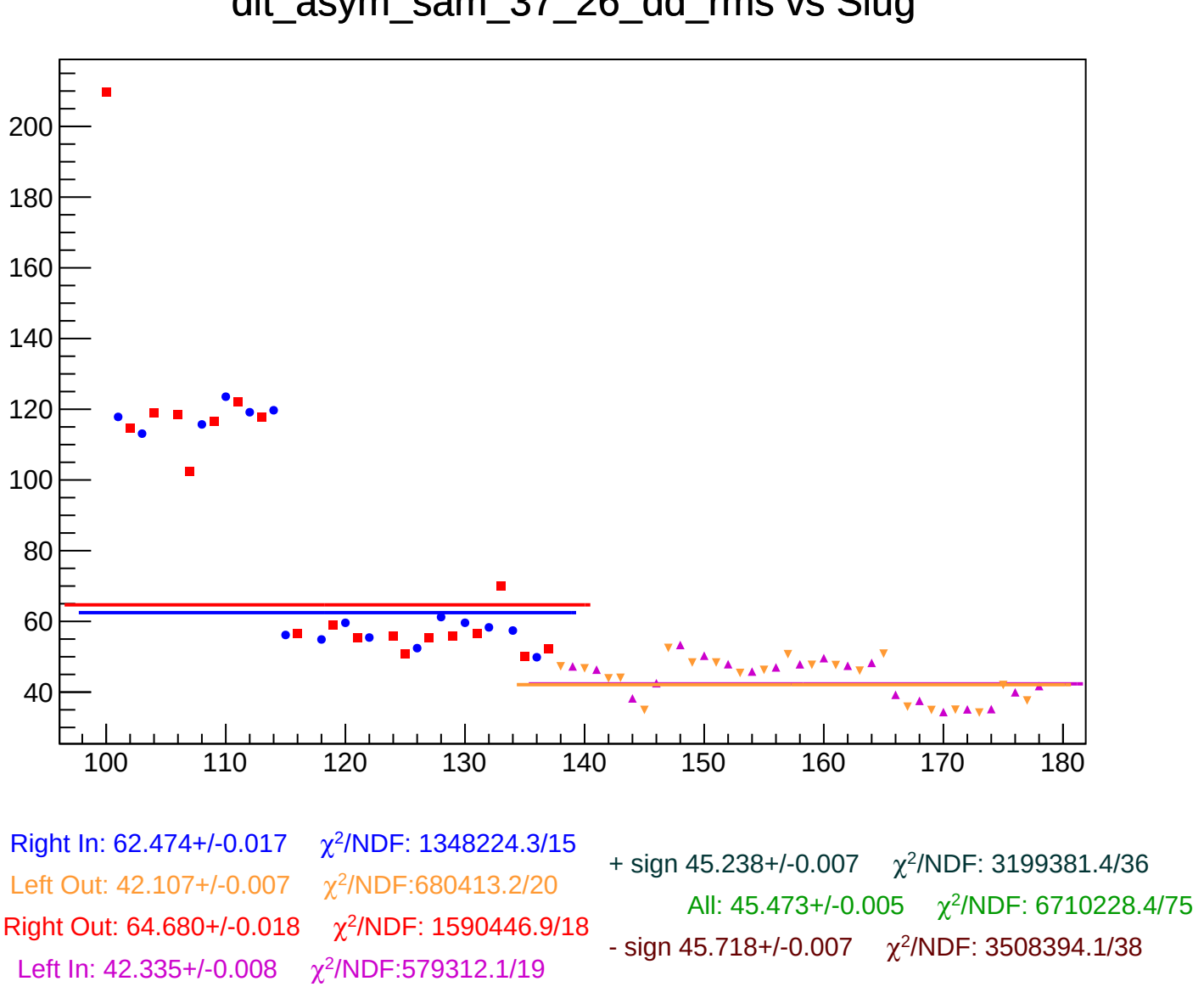
Right Out: 23.495+/-25.161 χ^2/NDF: 24.1/18

Left In: -12.127+/-10.627 χ^2/NDF:26.0/19

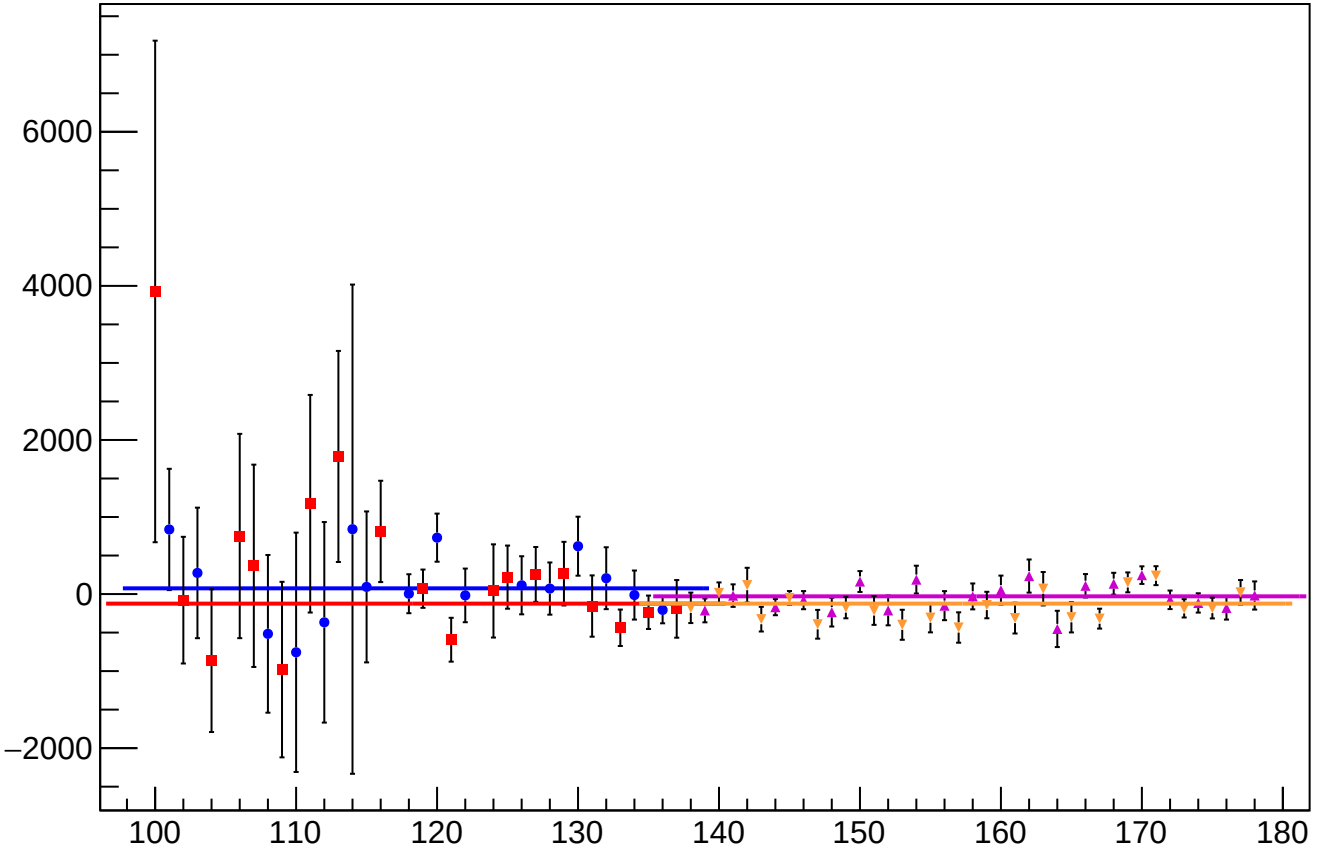
+ sign 26.393+/-9.601 χ^2/NDF: 50.4/36

All: 10.152+/-6.855 χ^2/NDF: 108.1/75

- sign -6.734+/-9.790 χ^2/NDF: 51.8/38


dit_asym_sam_37_26_dd_rms vs Slug
200
180
160
140
120
100
80
60
40
100
110
120
130
140
150
160
170
180
Right In: 62.474+/-0.017 χ²/NDF: 1348224.3/15
Left Out: 42.107+/-0.007 χ²/NDF:680413.2/20
Right Out: 64.680+/-0.018 χ²/NDF: 1590446.9/18
Left In: 42.335+/-0.008 χ²/NDF:579312.1/19
+ sign 45.238+/-0.007 χ²/NDF: 3199381.4/36
All: 45.473+/-0.005 χ²/NDF: 6710228.4/75
- sign 45.718+/-0.007 χ²/NDF: 3508394.1/38

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -123.931+/-33.198 χ^2/NDF:31.6/20

Right Out: -124.201+/-94.665 χ^2/NDF: 16.3/18

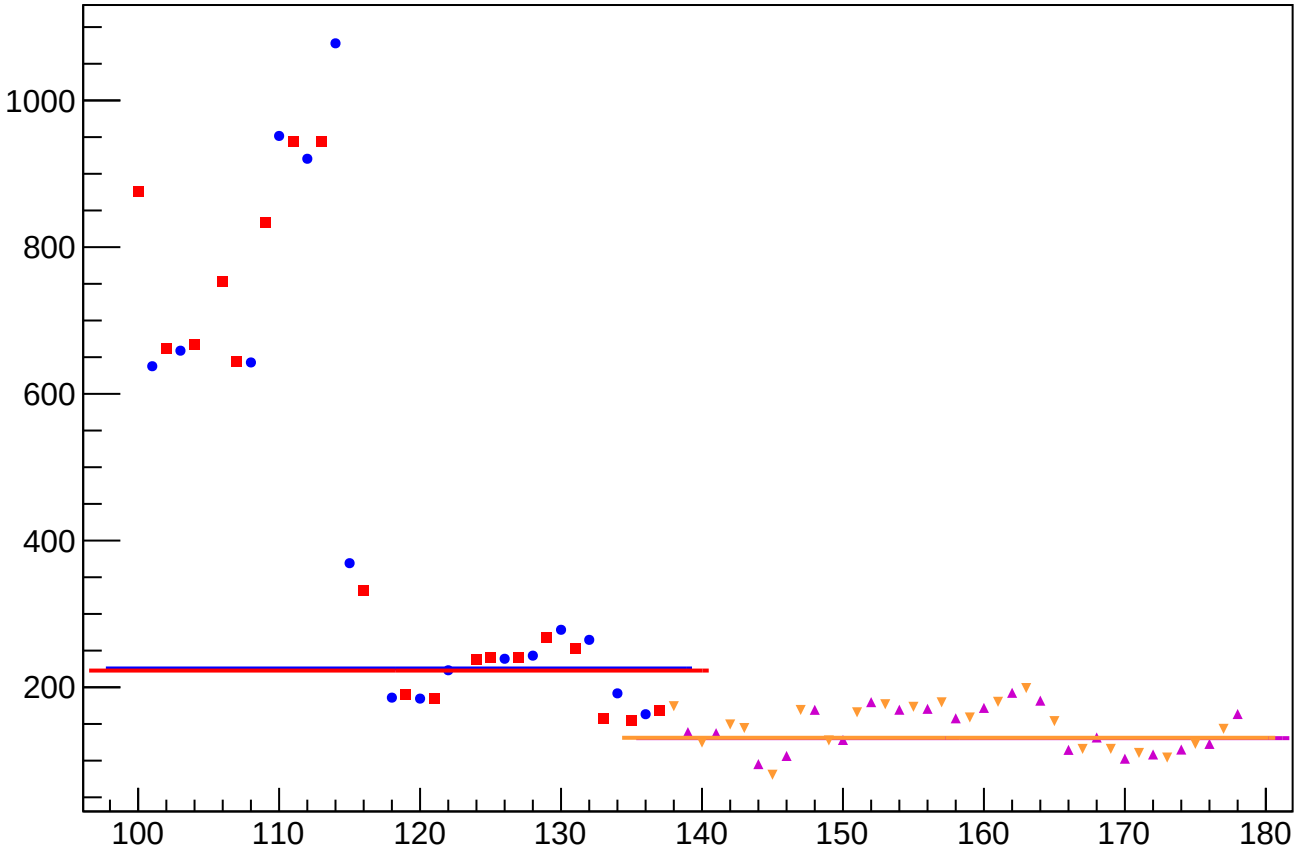
Left In: -29.544+/-33.333 χ^2/NDF:23.8/19

+ sign -102.152+/-31.321 χ^2/NDF: 46.7/36

All: -71.188+/-22.190 χ^2/NDF: 89.7/75

- sign -39.986+/-31.441 χ^2/NDF: 41.0/38

asym_sam_37_26_dd_dit_correction_rms vs Slug



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 131.158+/-0.023 χ^2/NDF:1861722.0/20

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

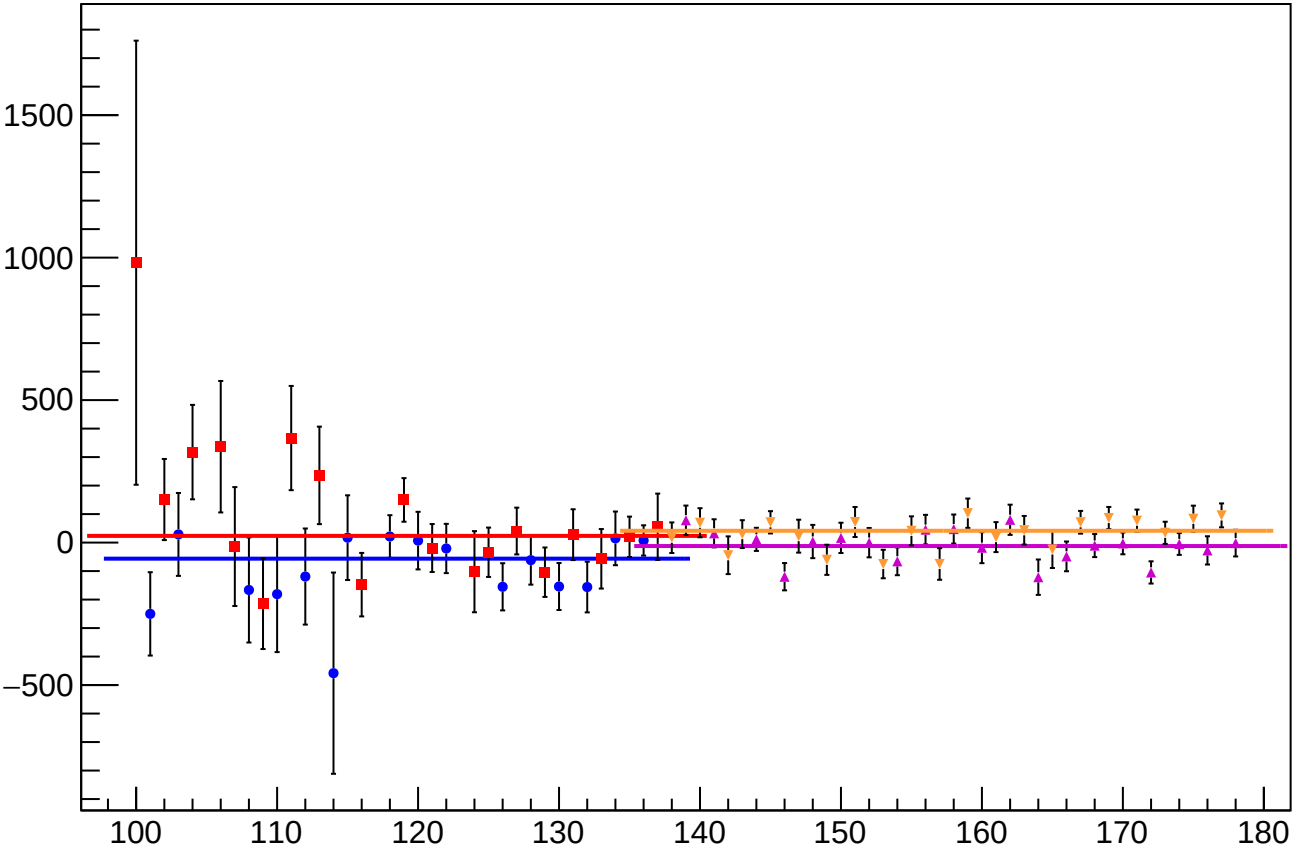
Left In: 130.649+/-0.024 χ^2/NDF:1439510.1/19

+ sign 141.536+/-0.022 χ^2/NDF: 6666639.5/36

All: 141.175+/-0.016 χ^2/NDF: 13640451.1/75

- sign 140.812+/-0.022 χ^2/NDF: 6973280.2/38

eigen_dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 41.434+/-10.436 χ^2/NDF:24.7/20

Right Out: 23.498+/-25.160 χ^2/NDF: 24.1/18

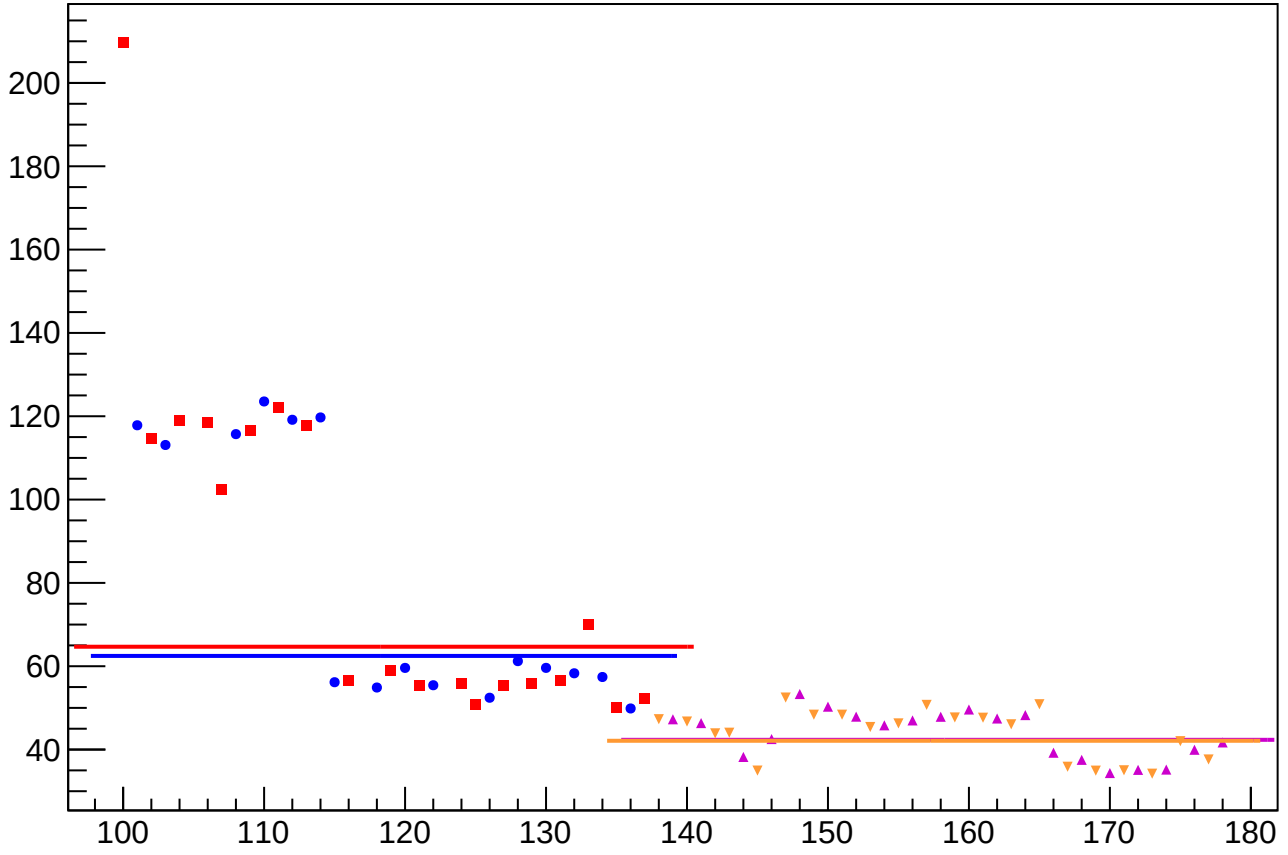
Left In: -12.127+/-10.627 χ^2/NDF:26.0/19

+ sign 26.394+/-9.601 χ^2/NDF: 50.4/36

All: 10.152+/-6.855 χ^2/NDF: 108.1/75

- sign -6.734+/-9.790 χ^2/NDF: 51.8/38

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 42.107+/-0.007 χ^2/NDF:680432.0/20

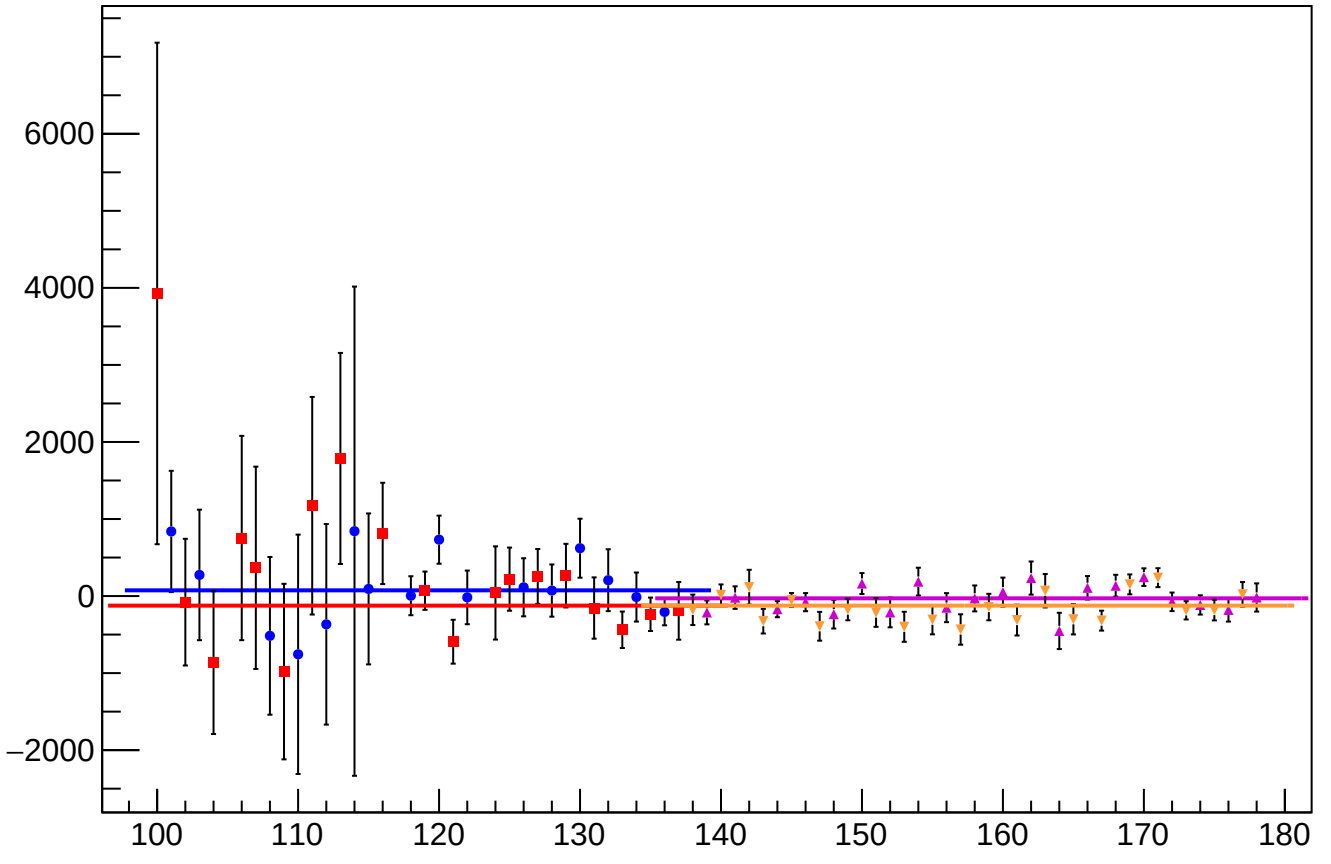
Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 42.335+/-0.008 χ^2/NDF:579316.1/19

\+ sign 45.238+/-0.007 χ^2/NDF: 3199337.5/36

All: 45.473+/-0.005 χ^2/NDF: 6710138.4/75

\- sign 45.718+/-0.007 χ^2/NDF: 3508347.2/38



Right In: 74.295+/-94.492 χ^2/NDF: 11.2/15

Left Out: -123.930+/-33.198 χ^2/NDF:31.6/20

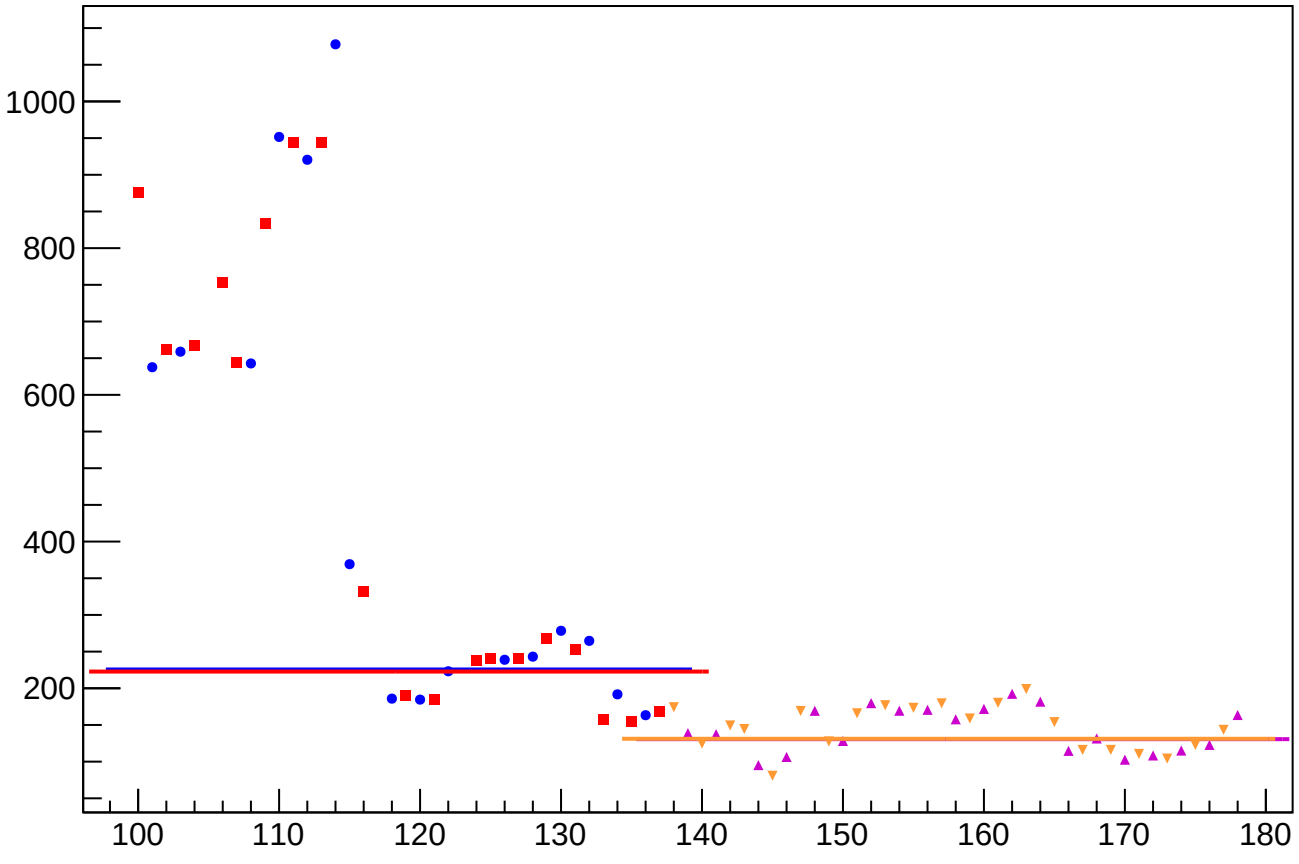
Right Out: -124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: -29.545+/-33.333 χ^2/NDF:23.8/19

+ sign -102.151+/-31.321 χ^2/NDF: 46.7/36

All: -71.188+/-22.190 χ^2/NDF: 89.7/75

- sign -39.986+/-31.441 χ^2/NDF: 41.0/38



Right In: 225.614+/-0.067 χ^2/NDF: 3025994.8/15

Left Out: 131.158+/-0.023 χ^2/NDF:1861709.8/20

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

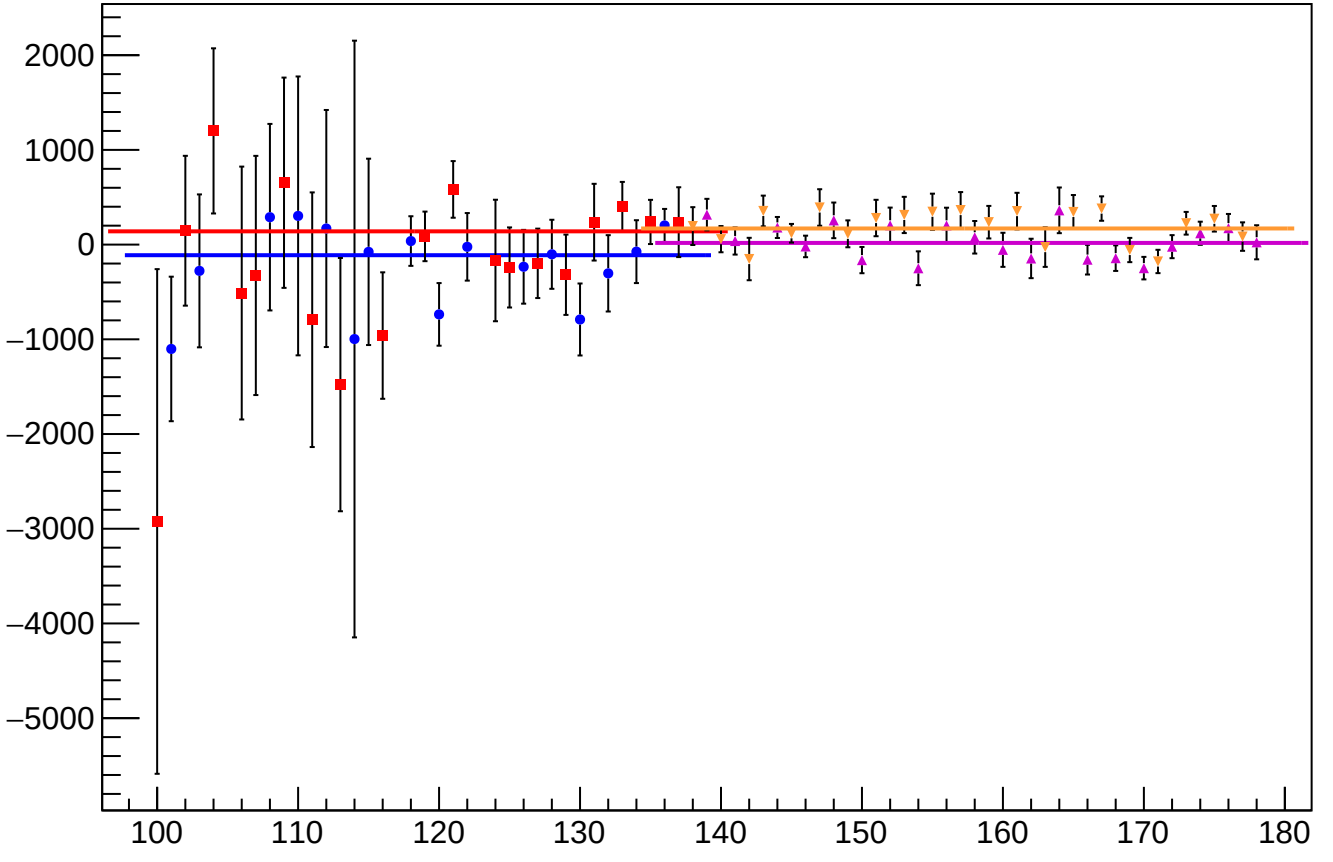
Left In: 130.649+/-0.024 χ^2/NDF:1439509.1/19

+ sign 141.536+/-0.022 χ^2/NDF: 6666607.0/36

All: 141.176+/-0.016 χ^2/NDF: 13640404.5/75

- sign 140.813+/-0.022 χ^2/NDF: 6973266.0/38

asym_sam_37_26_dd_mean vs Slug



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 170.290+/-33.436 χ^2/NDF:26.4/20

Right Out: 139.974+/-99.174 χ^2/NDF: 14.6/18

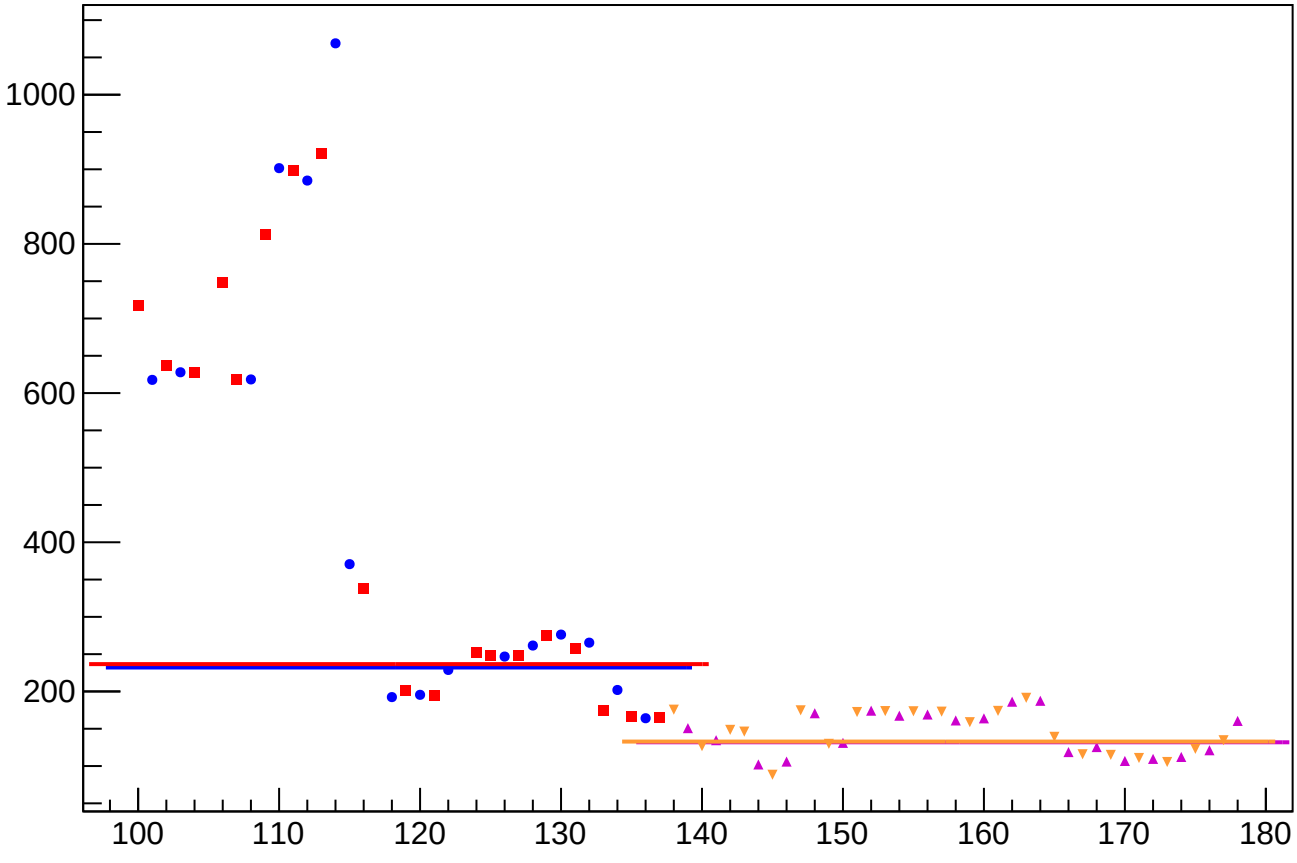
Left In: 17.753+/-33.459 χ^2/NDF:25.6/19

+ sign 140.069+/-31.595 χ^2/NDF: 46.9/36

All: 85.343+/-22.379 χ^2/NDF: 94.5/75

- sign 30.243+/-31.703 χ^2/NDF: 41.6/38

asym_sam_37_26_dd_rms vs Slug



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 132.804+/-0.024 χ^2/NDF:1525548.4/20

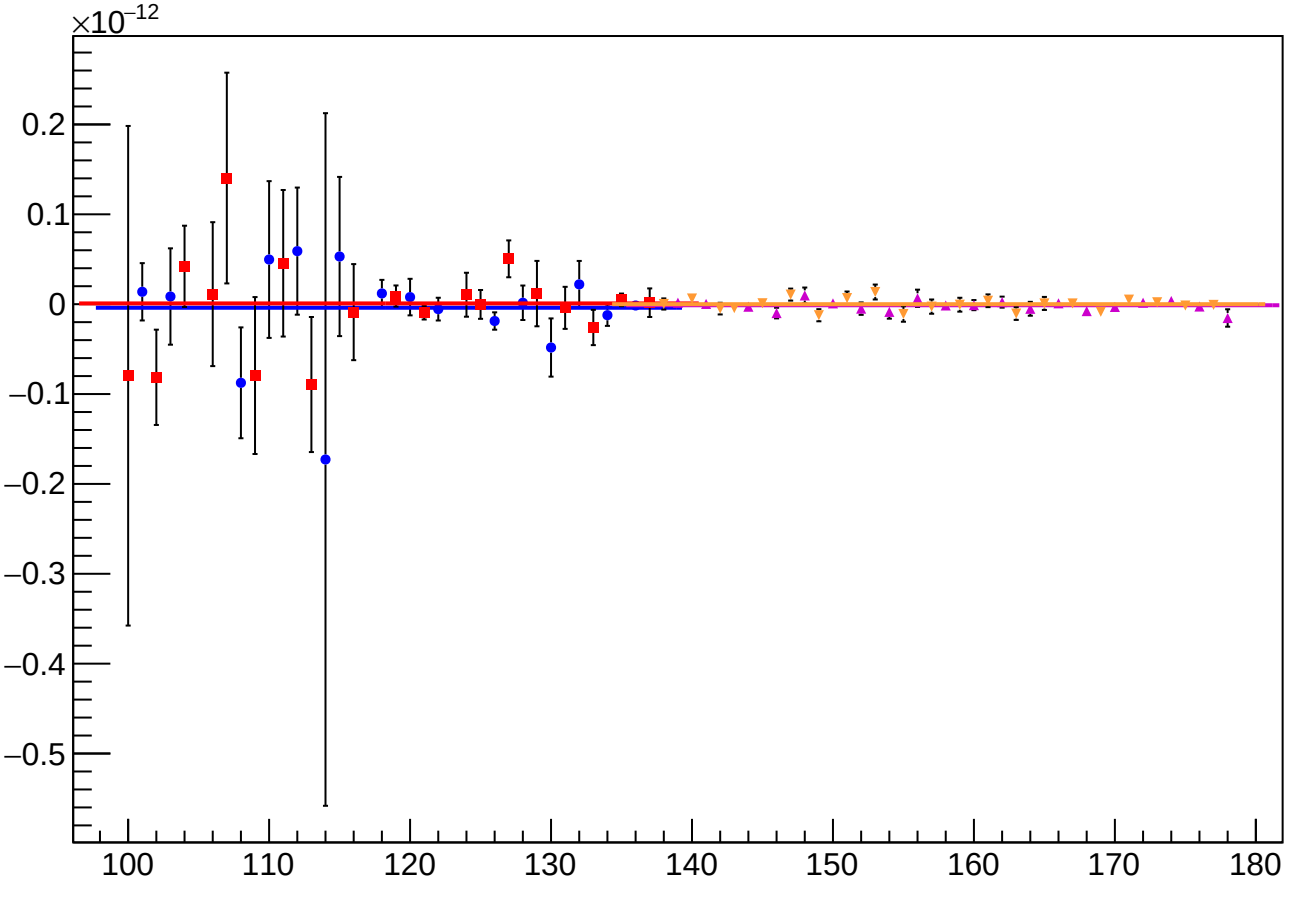
Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 131.848+/-0.024 χ^2/NDF:1271689.7/19

+ sign 143.438+/-0.022 χ^2/NDF: 6300152.8/36

All: 142.999+/-0.016 χ^2/NDF: 13098741.5/75

- sign 142.557+/-0.022 χ^2/NDF: 6797814.5/38



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

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

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

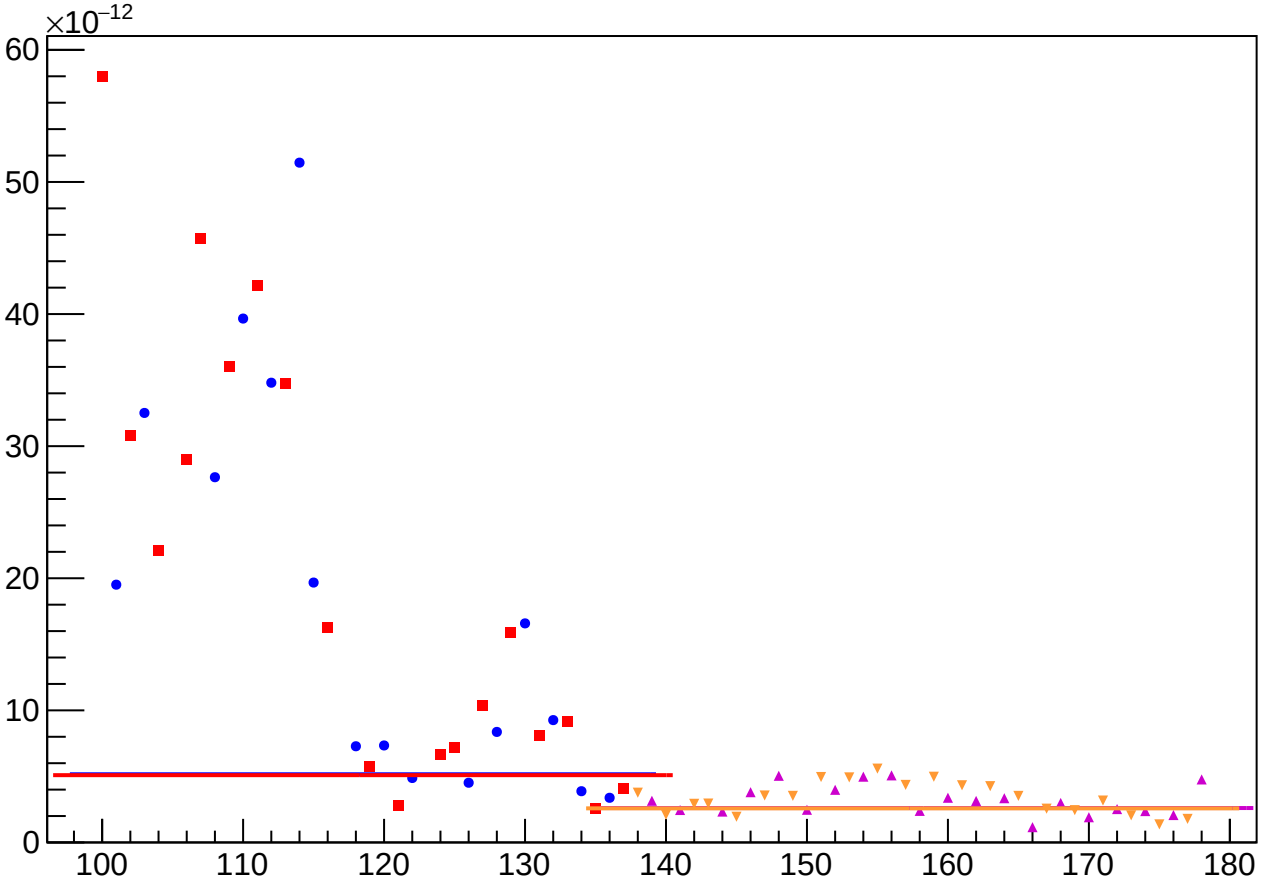
Left In: -0.000+/-0.000 χ^2/NDF:13.3/19

+ sign -0.000+/-0.000 χ^2/NDF: 35.5/36

All: -0.000+/-0.000 χ^2/NDF: 67.3/75

- sign -0.000+/-0.000 χ^2/NDF: 31.6/38

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2618432.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2081042.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 3236196.8/18

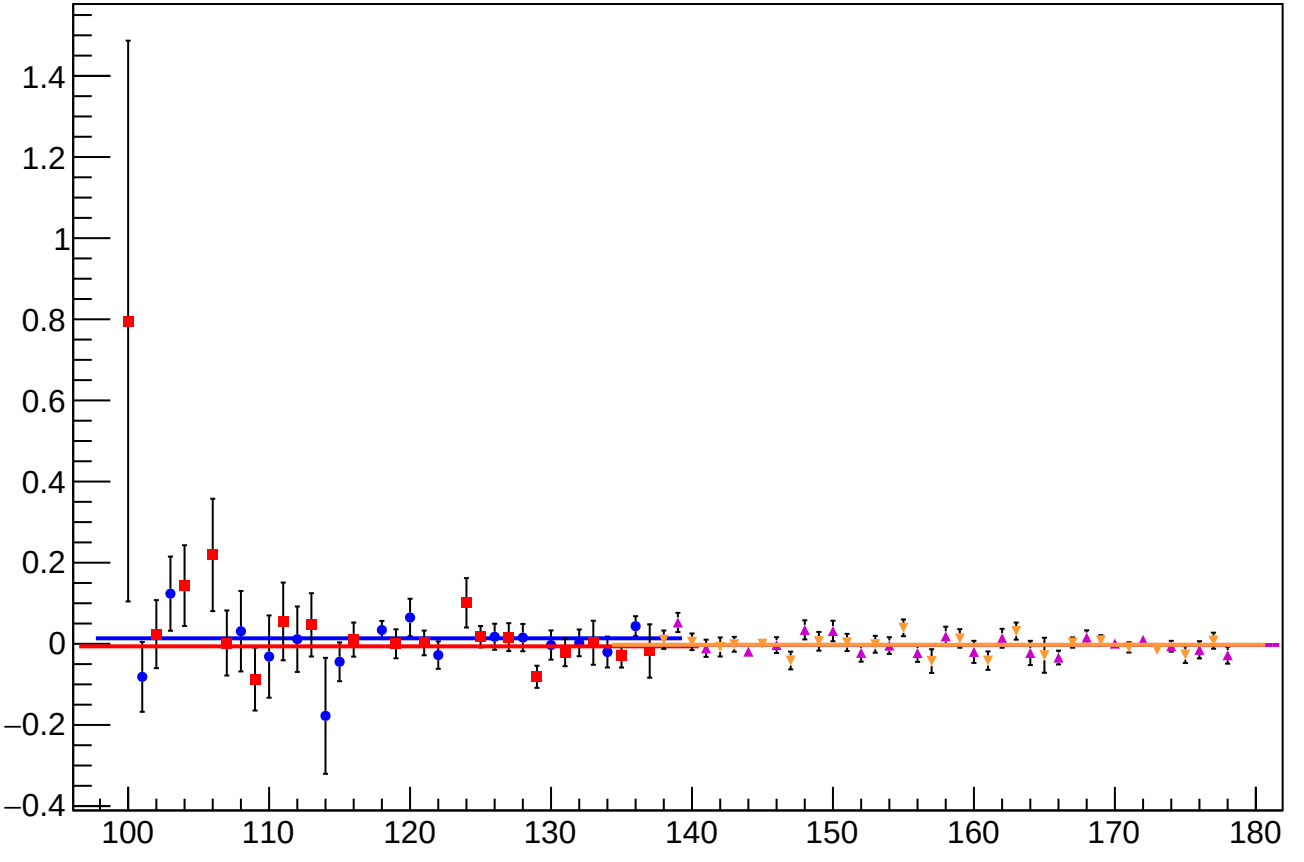
Left In: 0.000+/-0.000 χ^2/NDF:1374597.6/19

+ sign 0.000+/-0.000 χ^2/NDF: 5611217.5/36

All: 0.000+/-0.000 χ^2/NDF: 10955803.8/75

- sign 0.000+/-0.000 χ^2/NDF: 5344534.3/38

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+/-0.004 χ^2/NDF:20.3/20

Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

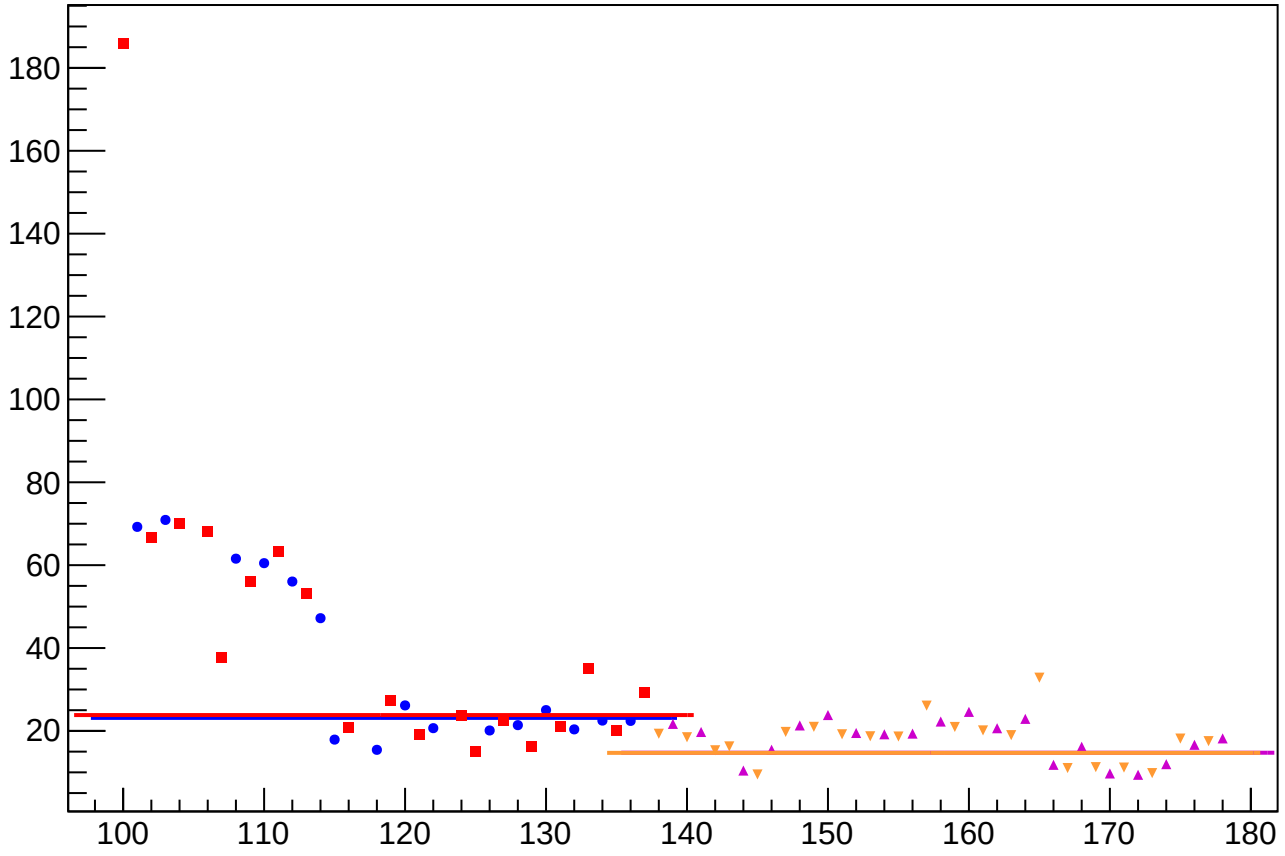
Left In: -0.003+/-0.004 χ^2/NDF:23.3/19

+ sign -0.000+/-0.004 χ^2/NDF: 34.9/36

All: -0.002+/-0.003 χ^2/NDF: 80.1/75

- sign -0.003+/-0.004 χ^2/NDF: 44.9/38

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: 14.703+/-0.003 χ^2/NDF:3024663.2/20

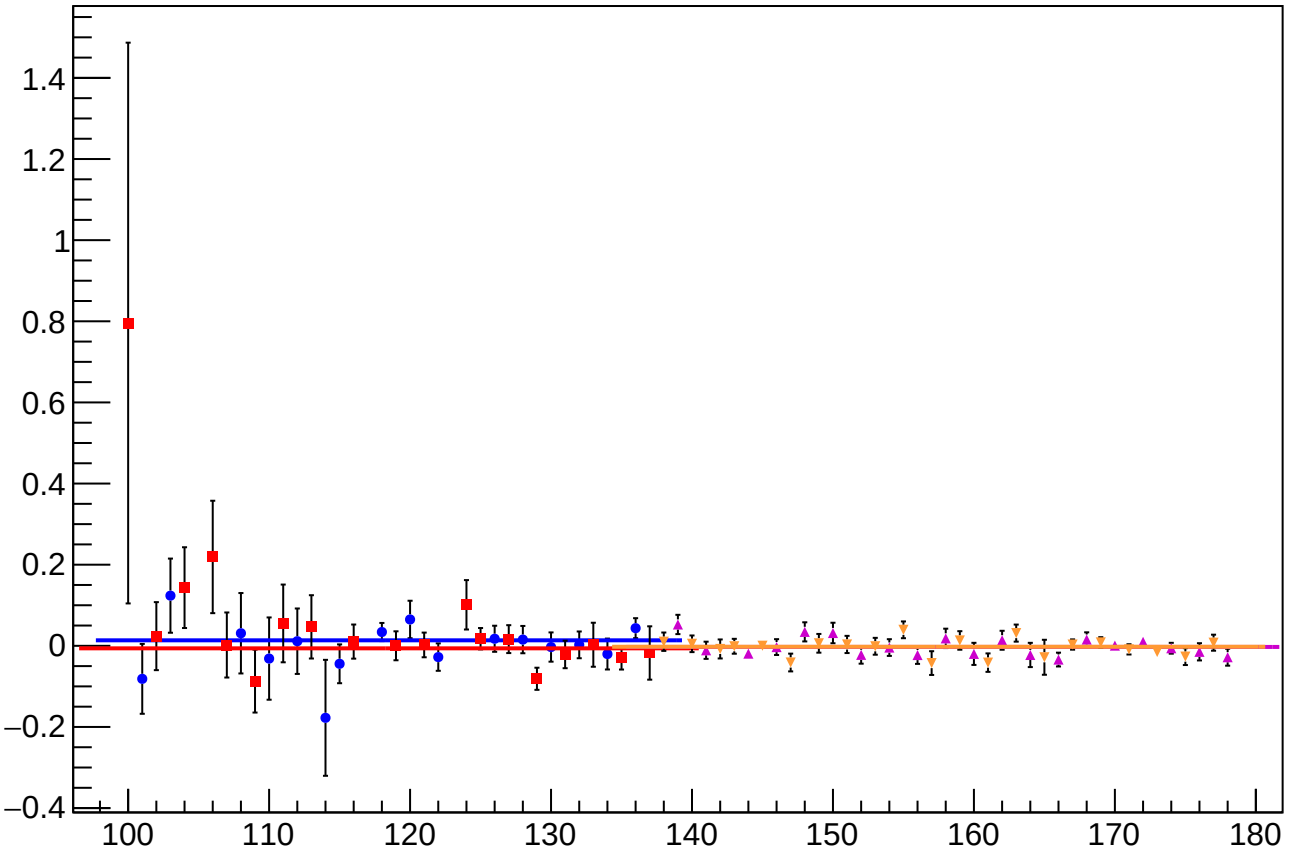
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 14.735+/-0.003 χ^2/NDF:3127098.9/19

+ sign 15.831+/-0.003 χ^2/NDF: 6704899.4/36

All: 15.892+/-0.002 χ^2/NDF: 14143532.6/75

- sign 15.955+/-0.003 χ^2/NDF: 7437467.0/38



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.002+/-0.004 χ^2/NDF:20.3/20

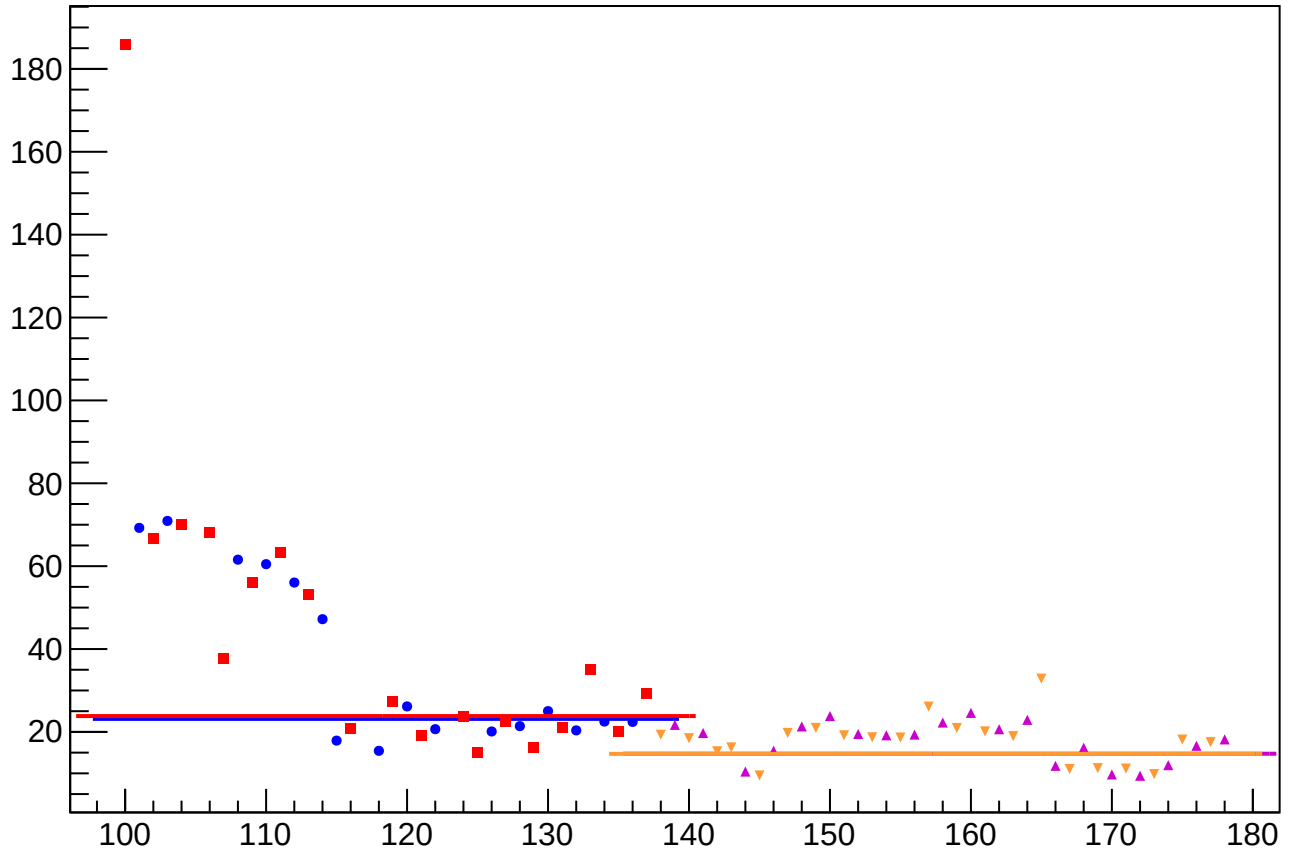
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.003+/-0.004 χ^2/NDF:23.3/19

+ sign -0.000+/-0.004 χ^2/NDF: 34.9/36

All: -0.002+/-0.003 χ^2/NDF: 80.1/75

- sign -0.003+/-0.004 χ^2/NDF: 44.9/38



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 14.703+/-0.003 χ^2/NDF:3024663.2/20

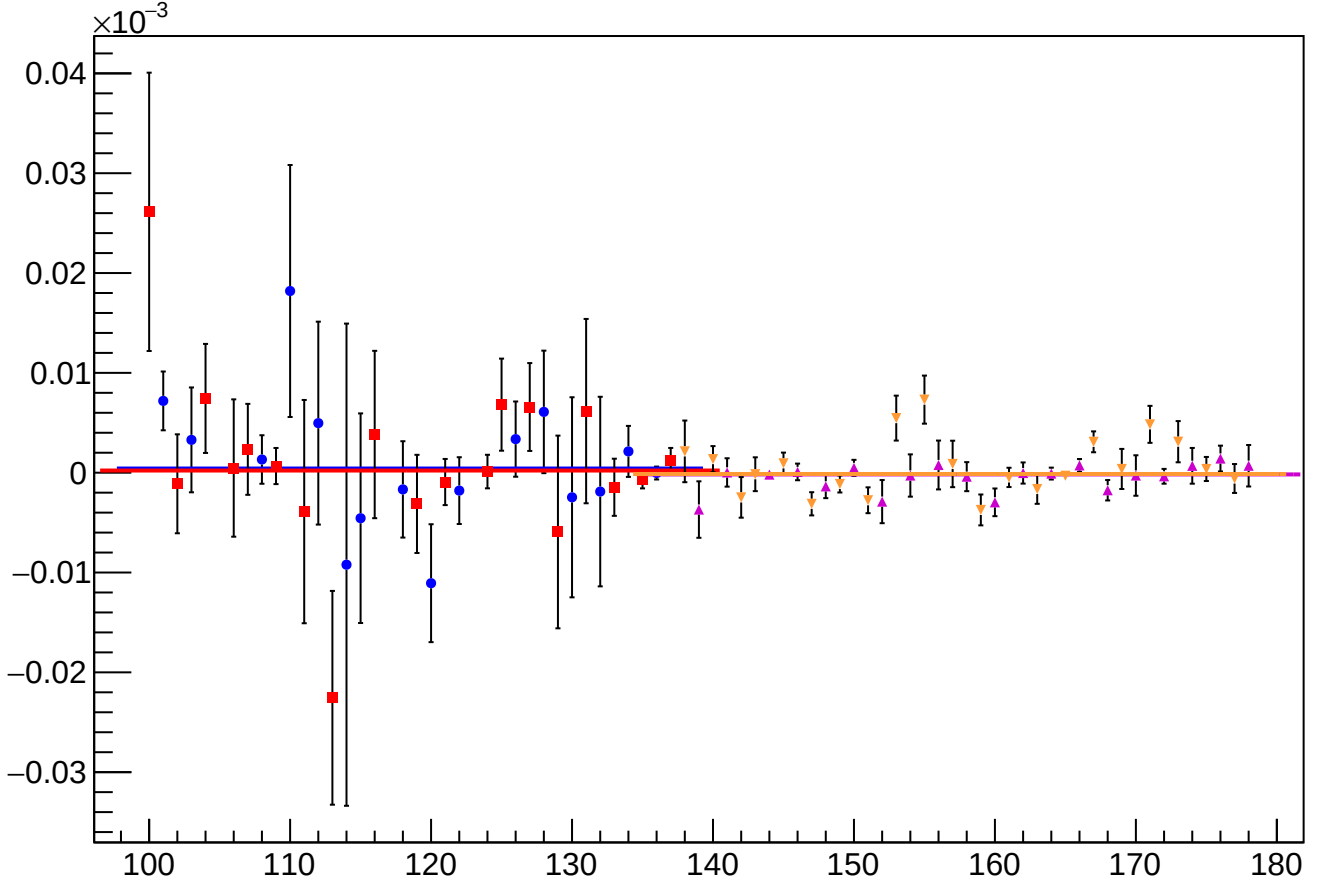
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 14.735+/-0.003 χ^2/NDF:3127098.9/19

+ sign 15.831+/-0.003 χ^2/NDF: 6704899.4/36

All: 15.892+/-0.002 χ^2/NDF: 14143532.6/75

- sign 15.955+/-0.003 χ^2/NDF: 7437467.0/38



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:58.6/20

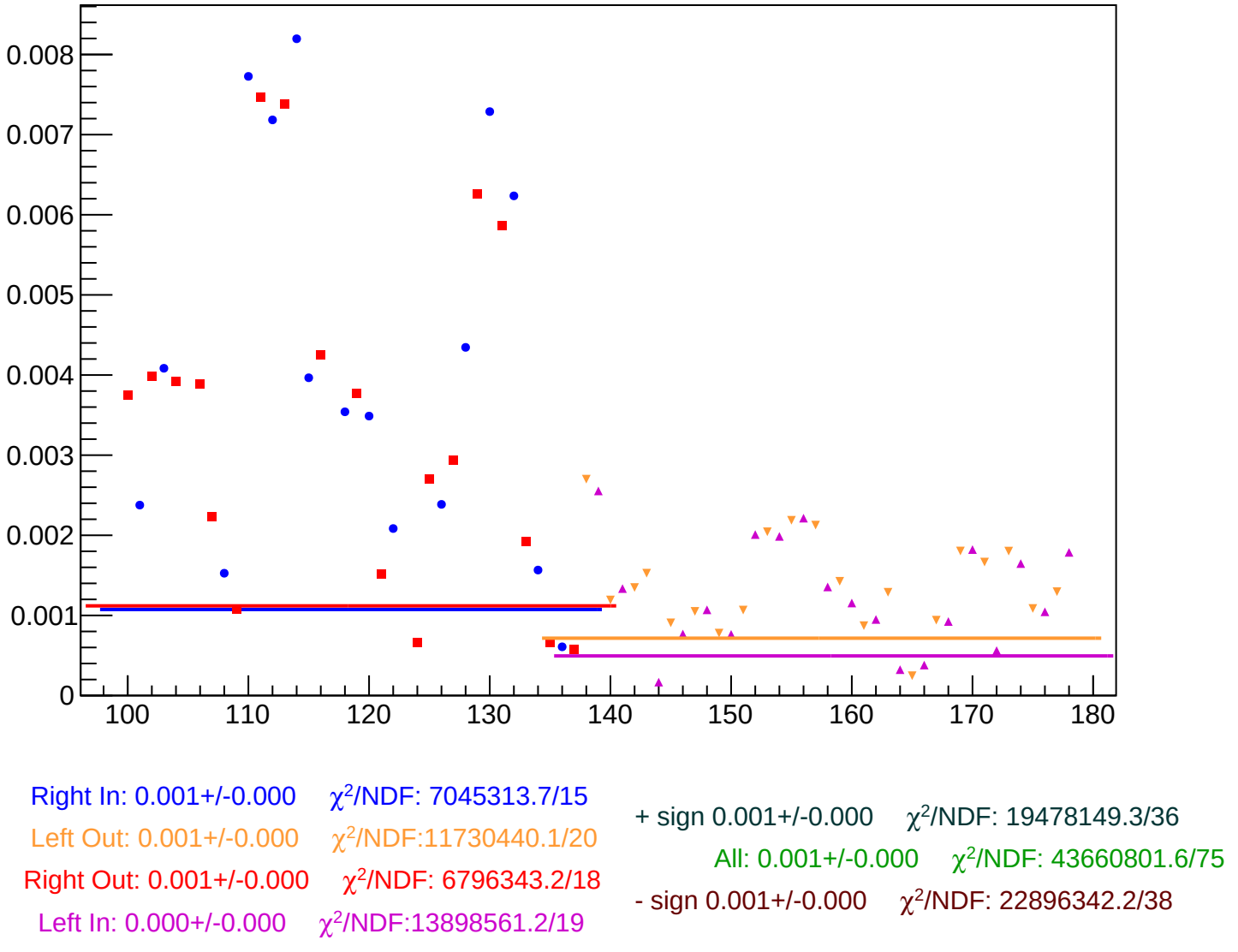
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

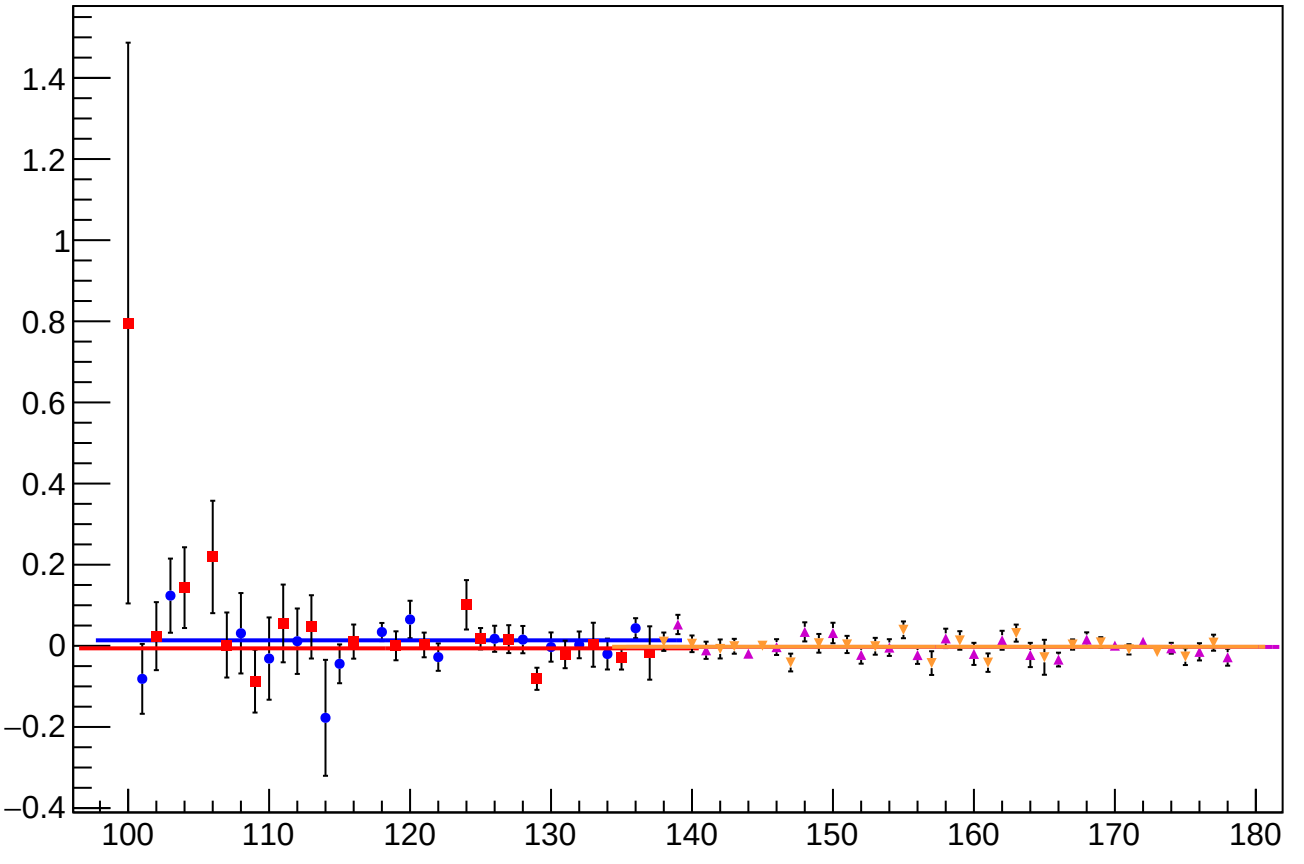
Left In: -0.000+/-0.000 χ^2/NDF:15.6/19

+ sign -0.000+/-0.000 χ^2/NDF: 74.7/36

All: -0.000+/-0.000 χ^2/NDF: 108.7/75

- sign -0.000+/-0.000 χ^2/NDF: 33.9/38


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
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 7045313.7/15
Left Out: 0.001+/-0.000 χ²/NDF:11730440.1/20
Right Out: 0.001+/-0.000 χ²/NDF: 6796343.2/18
Left In: 0.000+/-0.000 χ²/NDF:13898561.2/19
+ sign 0.001+/-0.000 χ²/NDF: 19478149.3/36
All: 0.001+/-0.000 χ²/NDF: 43660801.6/75
- sign 0.001+/-0.000 χ²/NDF: 22896342.2/38



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.002+/-0.004 χ^2/NDF:20.3/20

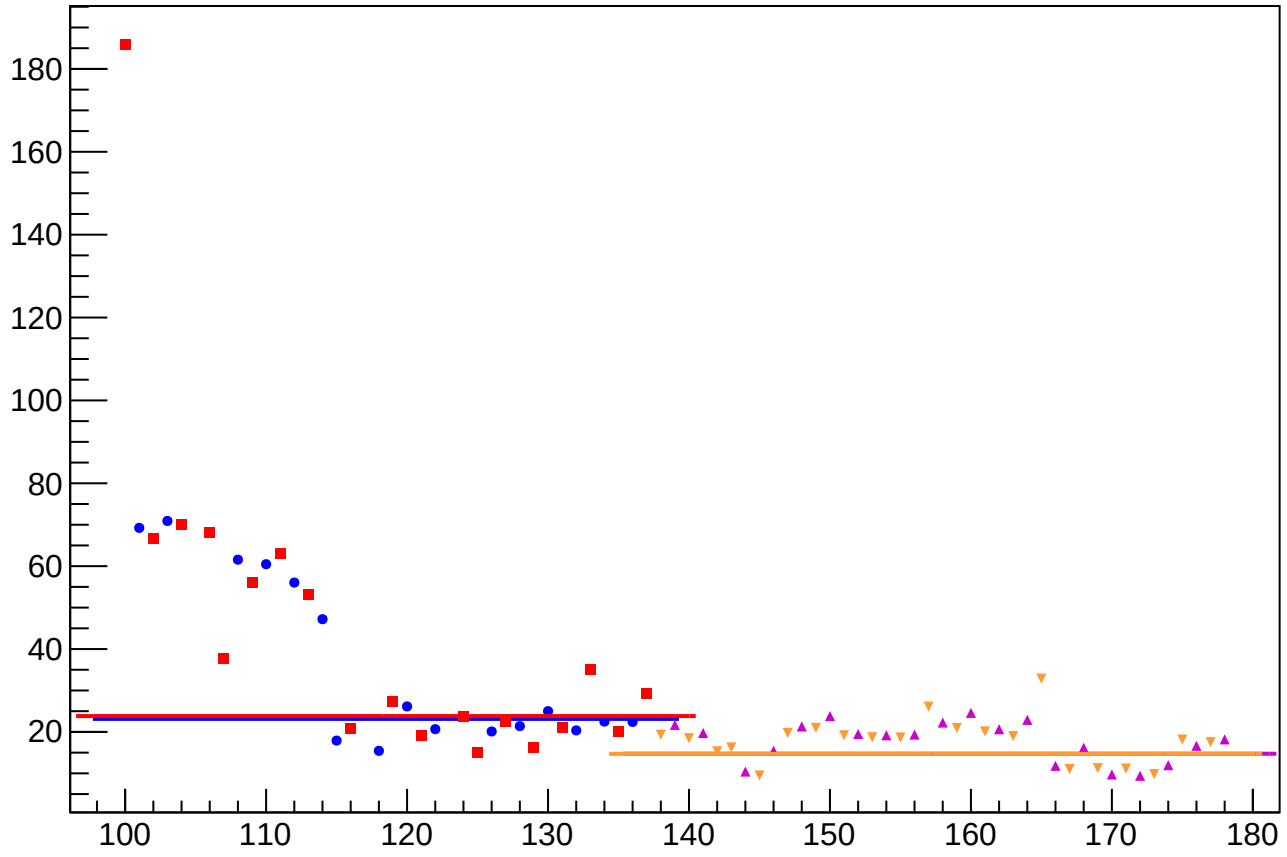
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.003+/-0.004 χ^2/NDF:23.3/19

+ sign -0.000+/-0.004 χ^2/NDF: 34.9/36

All: -0.002+/-0.003 χ^2/NDF: 80.1/75

- sign -0.003+/-0.004 χ^2/NDF: 44.9/38



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 14.703+/-0.003 χ^2/NDF:3024781.2/20

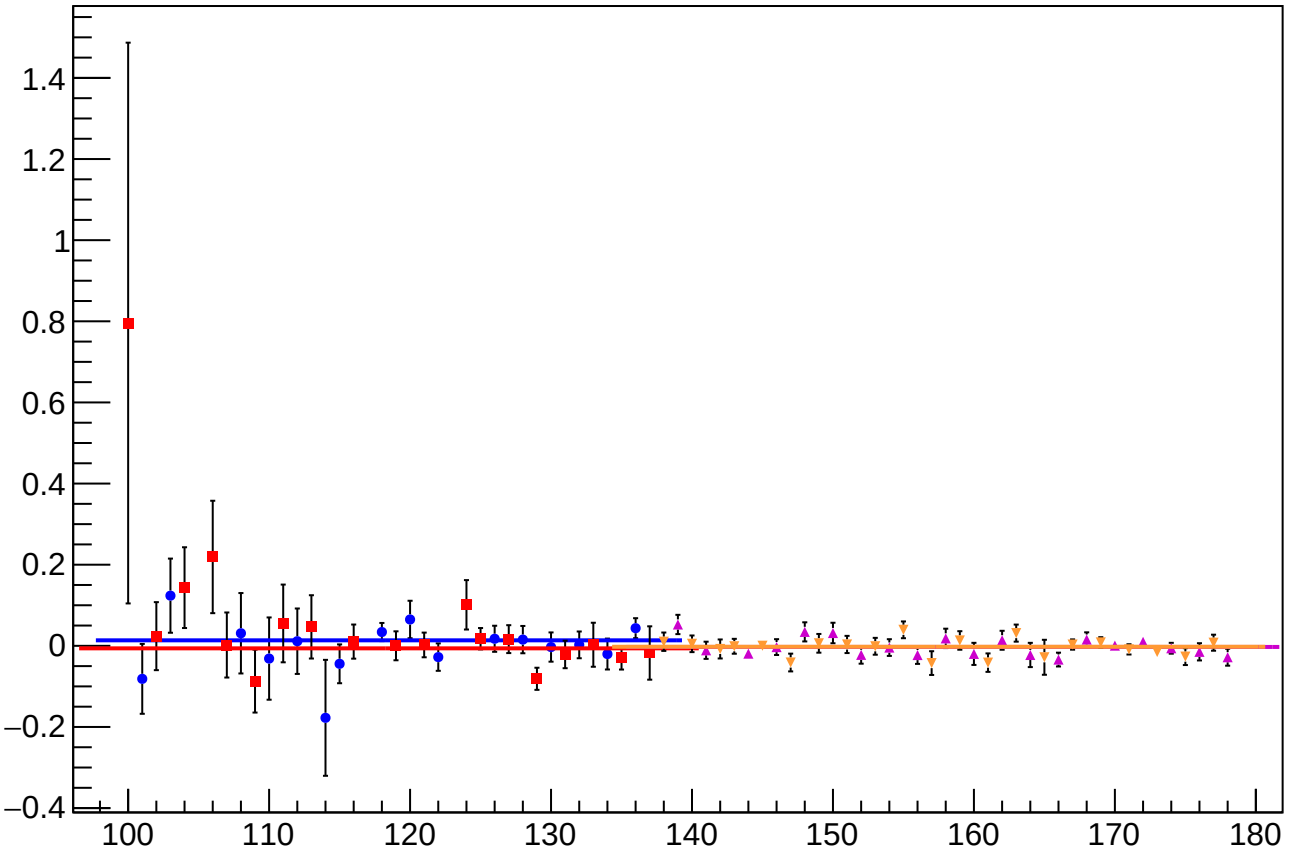
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 14.736+/-0.003 χ^2/NDF:3127109.3/19

\+ sign 15.831+/-0.003 χ^2/NDF: 6704751.8/36

All: 15.892+/-0.002 χ^2/NDF: 14143197.7/75

\- sign 15.955+/-0.003 χ^2/NDF: 7437278.2/38



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.002+/-0.004 χ^2/NDF:20.3/20

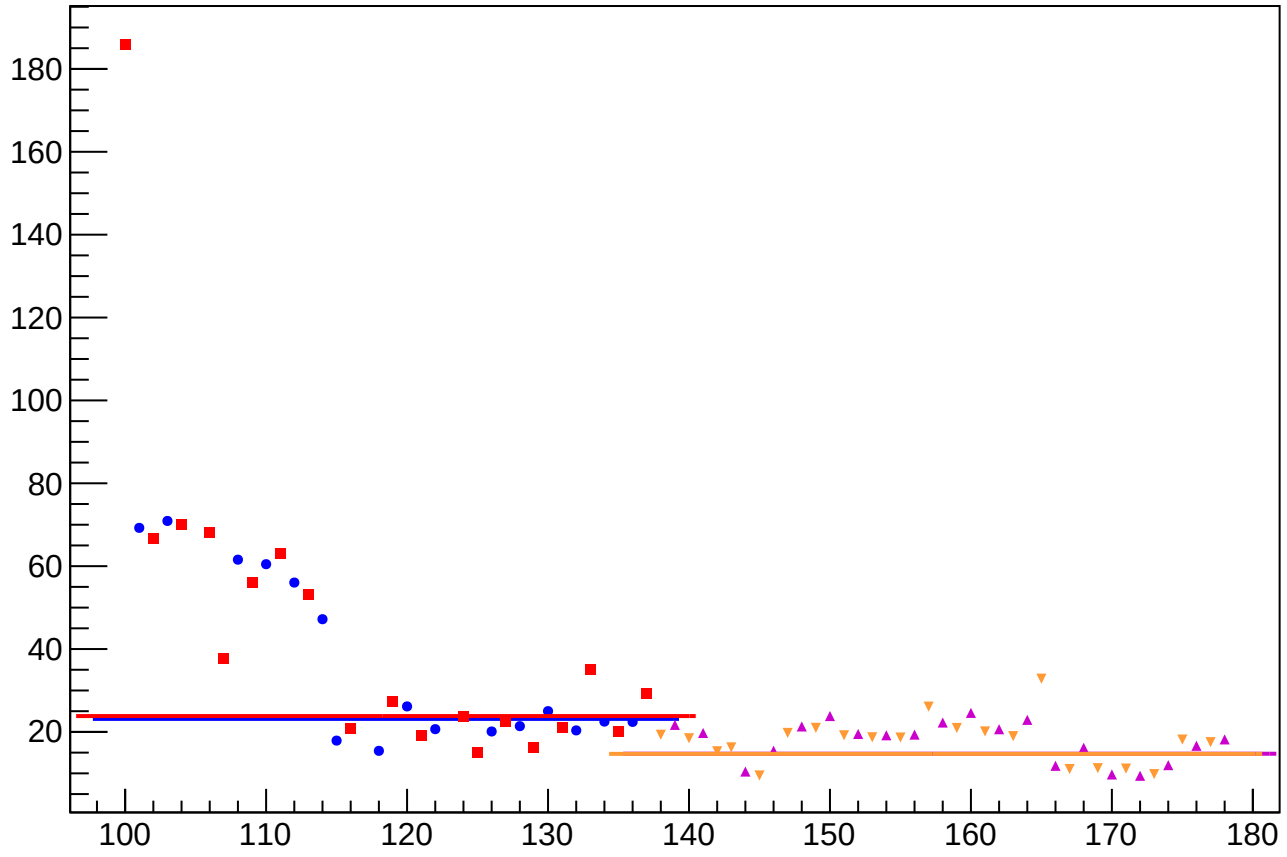
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.003+/-0.004 χ^2/NDF:23.3/19

+ sign -0.000+/-0.004 χ^2/NDF: 34.9/36

All: -0.002+/-0.003 χ^2/NDF: 80.1/75

- sign -0.003+/-0.004 χ^2/NDF: 44.9/38



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 14.703+/-0.003 χ^2/NDF:3024781.2/20

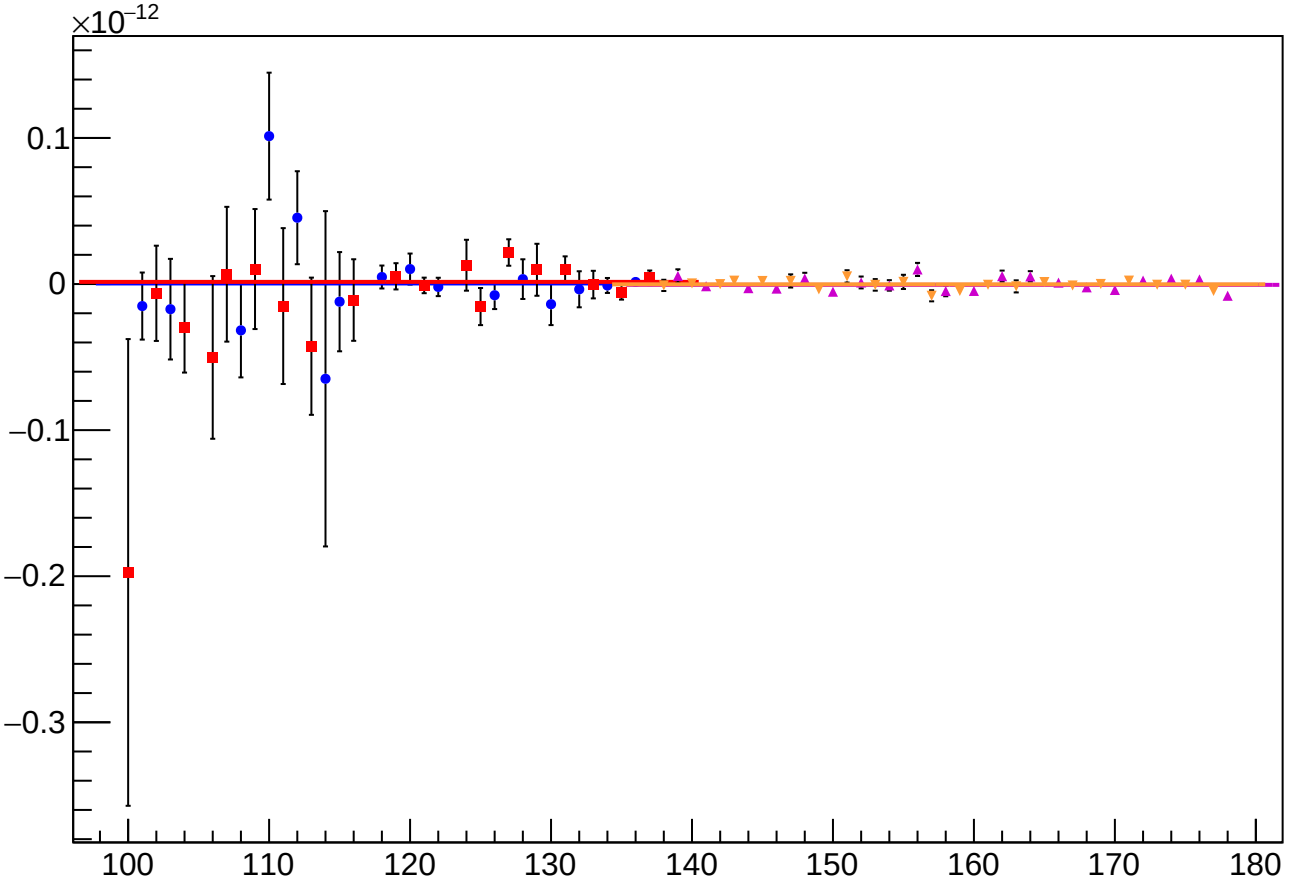
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 14.736+/-0.003 χ^2/NDF:3127109.3/19

+ sign 15.831+/-0.003 χ^2/NDF: 6704751.8/36

All: 15.892+/-0.002 χ^2/NDF: 14143197.7/75

- sign 15.955+/-0.003 χ^2/NDF: 7437278.2/38



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

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

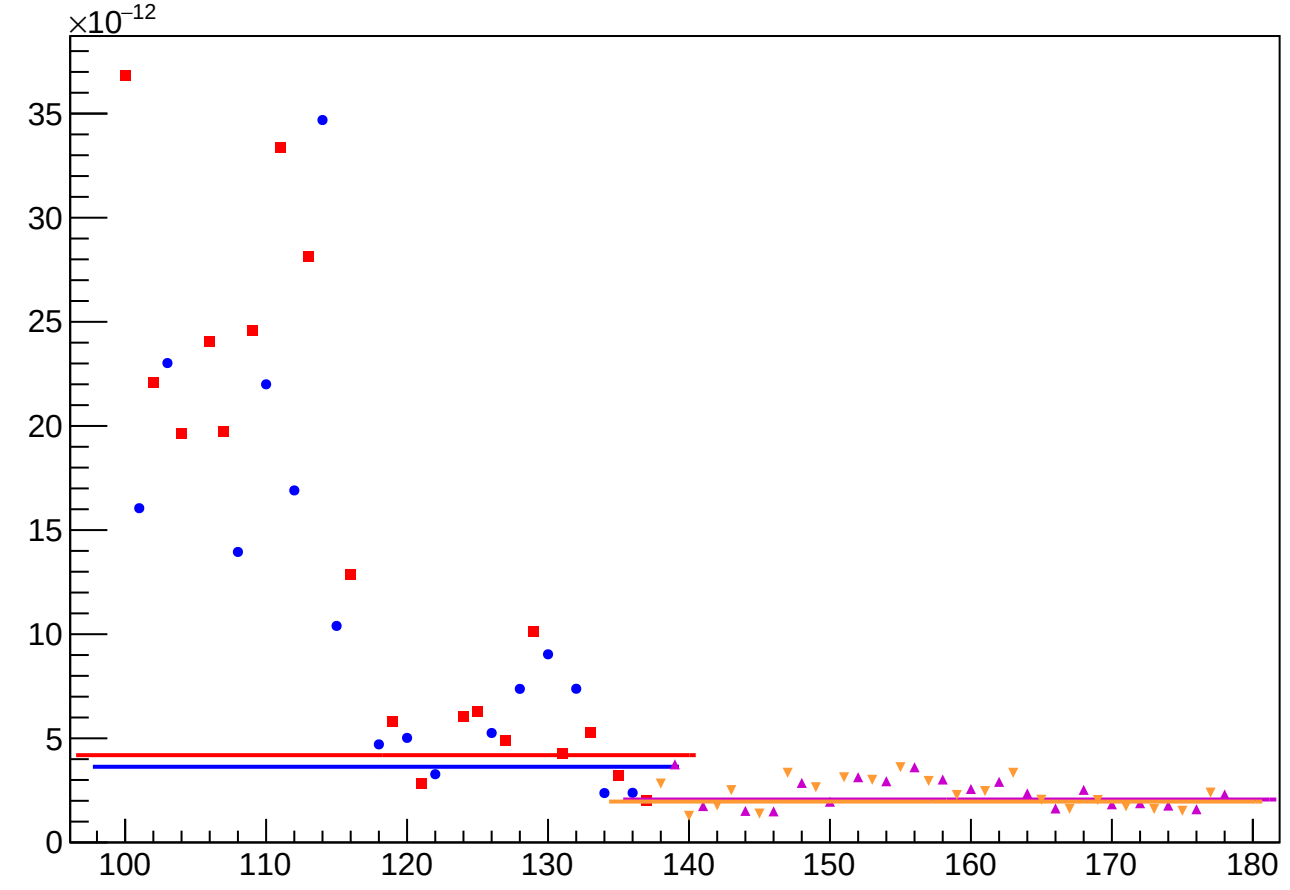
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:38.4/19

+ sign -0.000+/-0.000 χ^2/NDF: 29.0/36

All: -0.000+/-0.000 χ^2/NDF: 83.8/75

- sign -0.000+/-0.000 χ^2/NDF: 54.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 3590314.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2182929.0/20

Right Out: 0.000+/-0.000 χ^2/NDF: 4454808.3/18

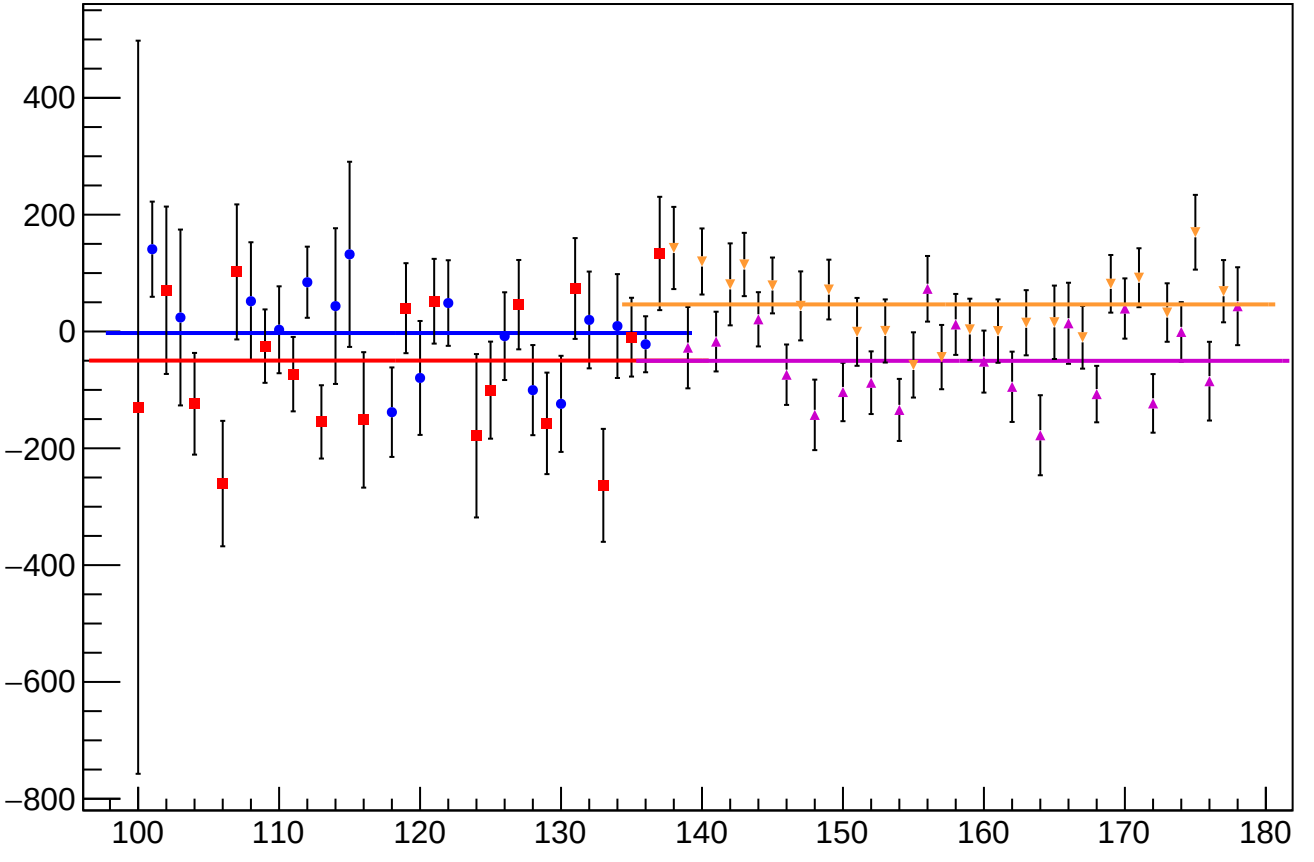
Left In: 0.000+/-0.000 χ^2/NDF:1749504.6/19

+ sign 0.000+/-0.000 χ^2/NDF: 6990788.4/36

All: 0.000+/-0.000 χ^2/NDF: 14752138.5/75

- sign 0.000+/-0.000 χ^2/NDF: 7727815.3/38

reg_asym_sam_1357_avg_mean vs Slug



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 46.368+/-12.060 χ^2/NDF:21.9/20

Right Out: -49.810+/-19.621 χ^2/NDF: 29.4/18

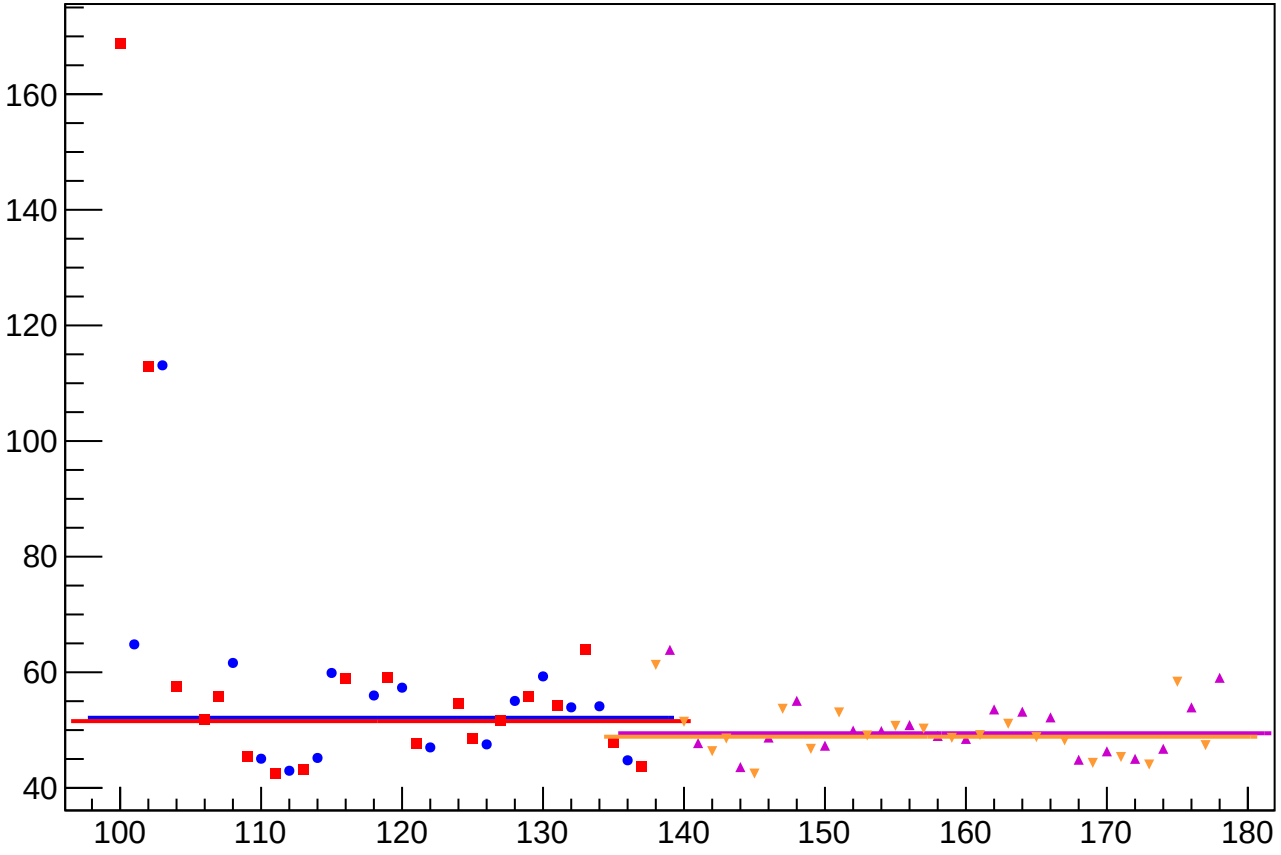
Left In: -50.238+/-12.338 χ^2/NDF:30.3/19

+ sign 33.301+/-10.327 χ^2/NDF: 40.9/36

All: -7.936+/-7.344 χ^2/NDF: 132.9/75

- sign -50.116+/-10.445 χ^2/NDF: 59.7/38

reg_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 48.855+/-0.009 χ^2/NDF:229674.7/20

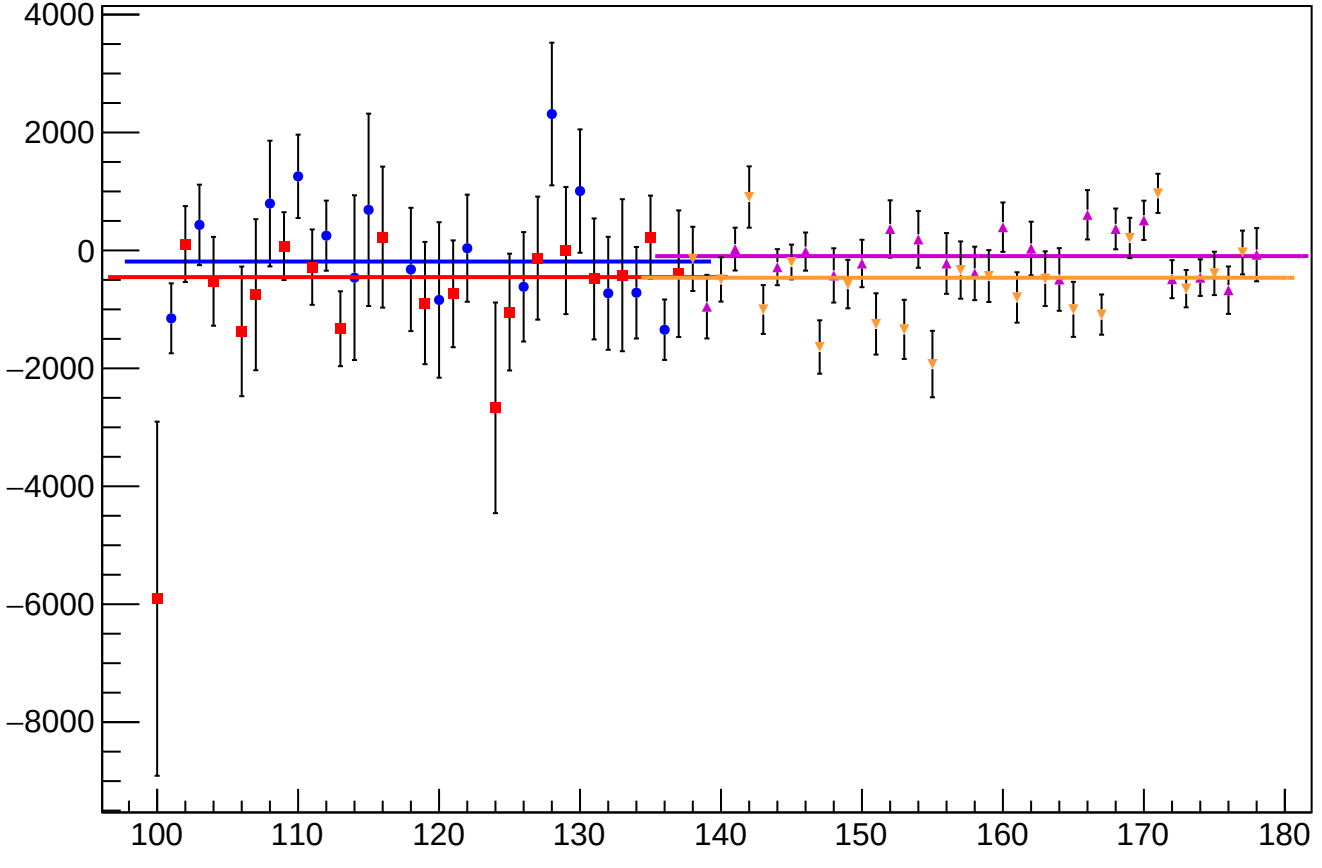
Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

Left In: 49.450+/-0.009 χ^2/NDF:258621.2/19

+ sign 49.728+/-0.007 χ^2/NDF: 831907.0/36

All: 49.885+/-0.005 χ^2/NDF: 1747438.3/75

- sign 50.045+/-0.007 χ^2/NDF: 914599.2/38



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -463.355+/-88.380 χ^2/NDF:58.2/20

Right Out: -452.540+/-203.918 χ^2/NDF: 11.3/18

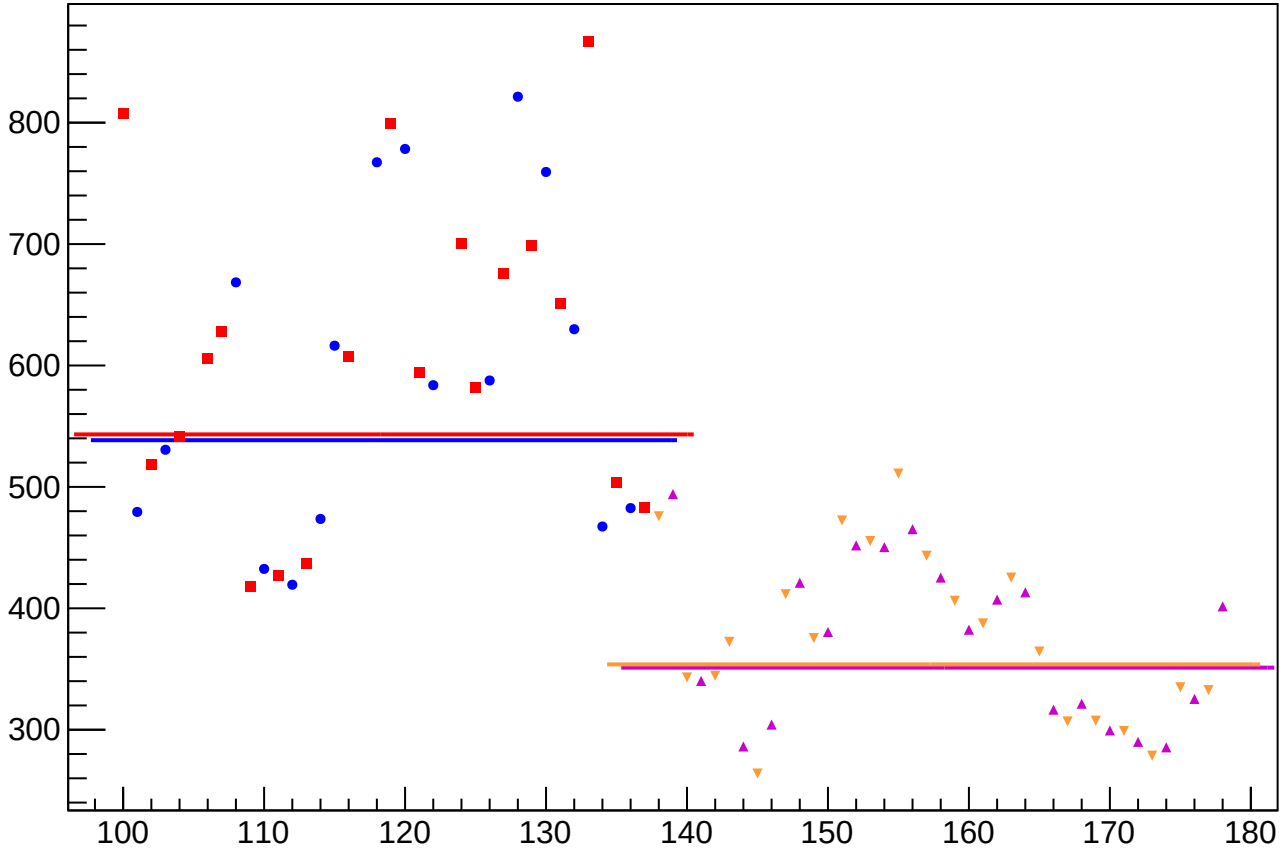
Left In: -96.741+/-88.529 χ^2/NDF:20.2/19

+ sign -420.571+/-81.209 χ^2/NDF: 81.0/36

All: -286.864+/-57.423 χ^2/NDF: 120.5/75

- sign -153.166+/-81.206 χ^2/NDF: 34.1/38

asym_sam_1357_avg_reg_correction_rms vs Slug



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 353.805+/-0.062 χ^2/NDF:1083160.6/20

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

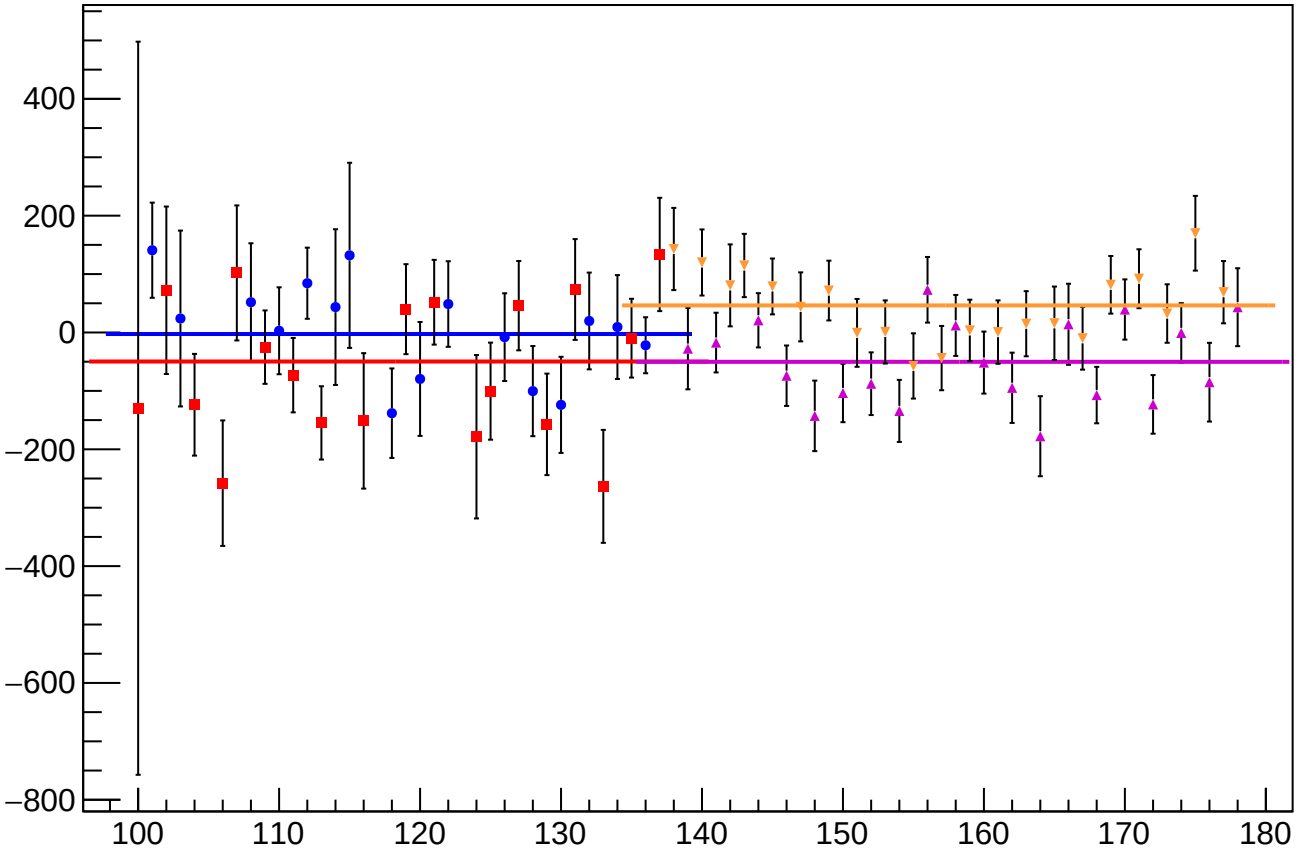
Left In: 351.139+/-0.063 χ^2/NDF:993675.1/19

+ sign 382.556+/-0.057 χ^2/NDF: 3056574.5/36

All: 382.080+/-0.041 χ^2/NDF: 6180971.5/75

- sign 381.604+/-0.057 χ^2/NDF: 3124259.7/38

cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 46.369+/-12.060 χ^2/NDF:21.9/20

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

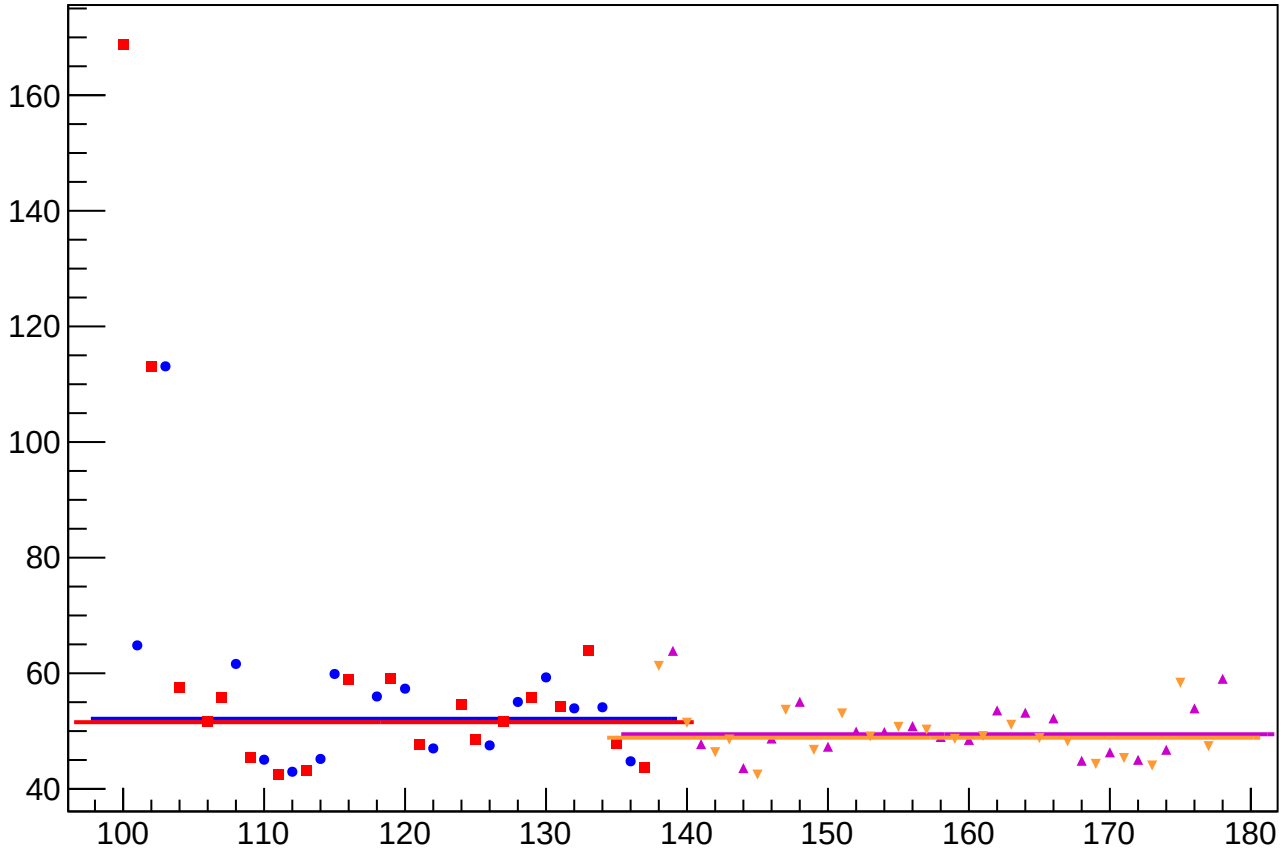
Left In: -50.237+/-12.338 χ^2/NDF:30.3/19

+ sign 33.301+/-10.327 χ^2/NDF: 40.9/36

All: -7.920+/-7.344 χ^2/NDF: 132.8/75

- sign -50.083+/-10.445 χ^2/NDF: 59.6/38

cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 48.855+/-0.009 χ^2/NDF:229674.7/20

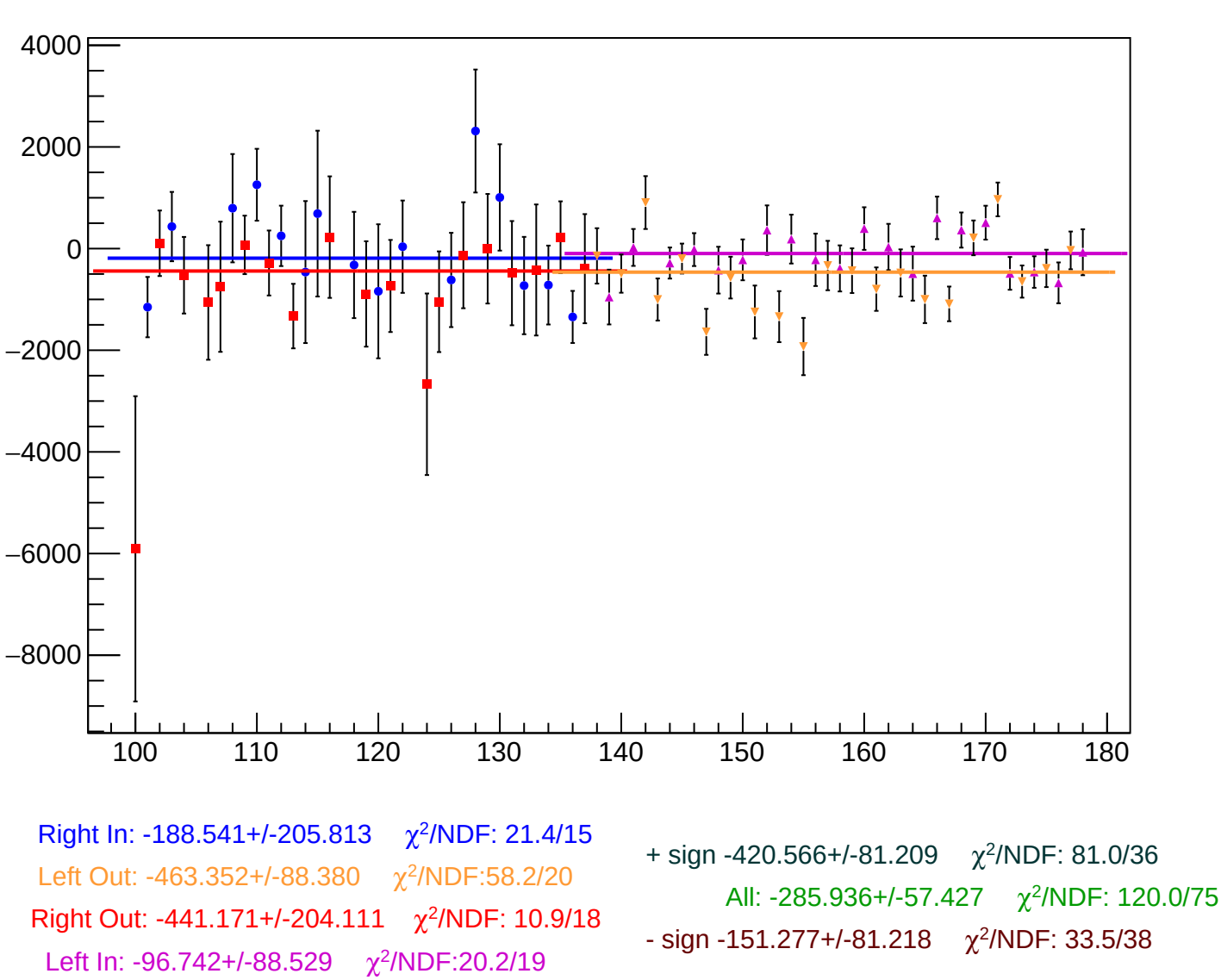
Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.450+/-0.009 χ^2/NDF:258621.2/19

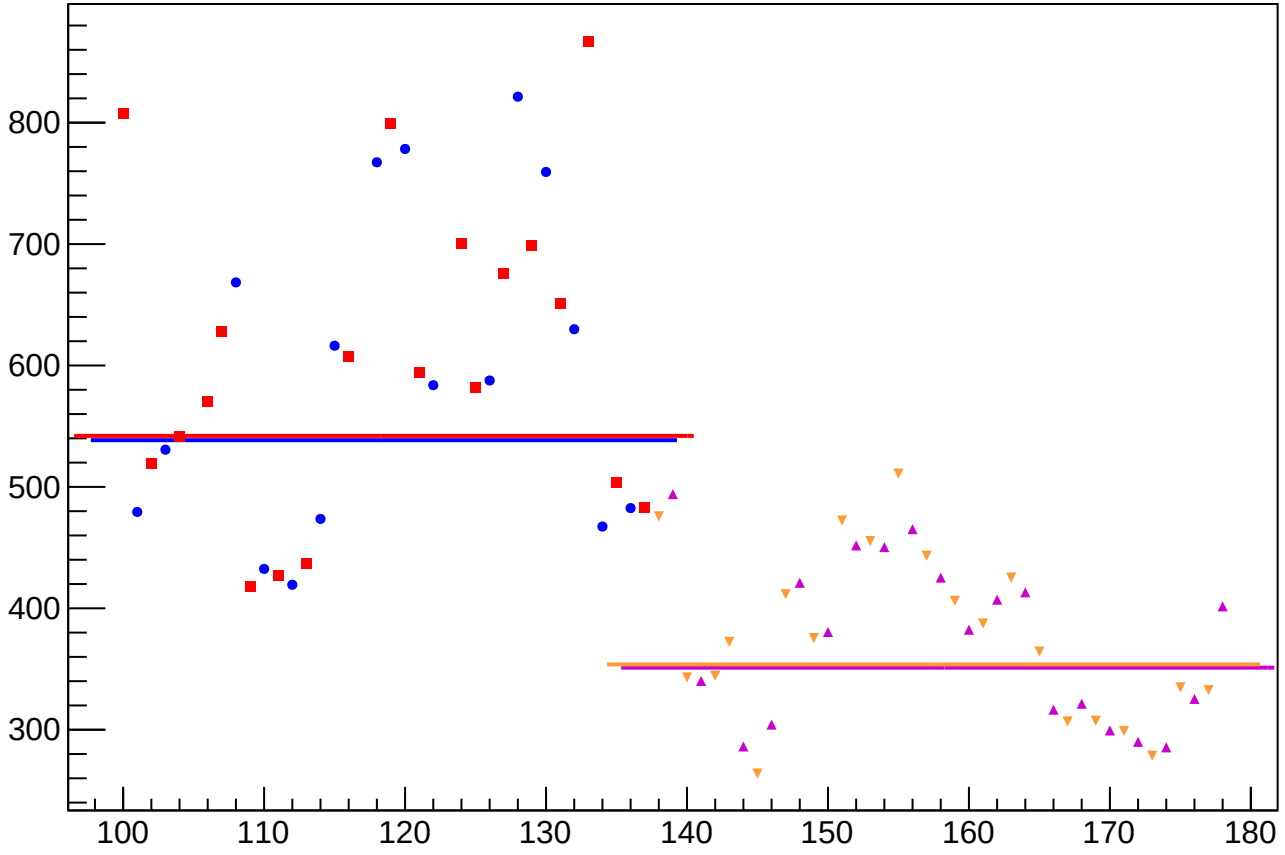
+ sign 49.728+/-0.007 χ^2/NDF: 831909.2/36

All: 49.883+/-0.005 χ^2/NDF: 1747481.8/75

- sign 50.042+/-0.007 χ^2/NDF: 914657.7/38


asym_sam_1357_avg_cor_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
180
Right In: -188.541+/-205.813 χ²/NDF: 21.4/15
Left Out: -463.352+/-88.380 χ²/NDF:58.2/20
Right Out: -441.171+/-204.111 χ²/NDF: 10.9/18
Left In: -96.742+/-88.529 χ²/NDF:20.2/19
+ sign -420.566+/-81.209 χ²/NDF: 81.0/36
All: -285.936+/-57.427 χ²/NDF: 120.0/75
- sign -151.277+/-81.218 χ²/NDF: 33.5/38

asym_sam_1357_avg_cor_correction_rms vs Slug



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 353.804+/-0.062 χ^2/NDF:1083165.0/20

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

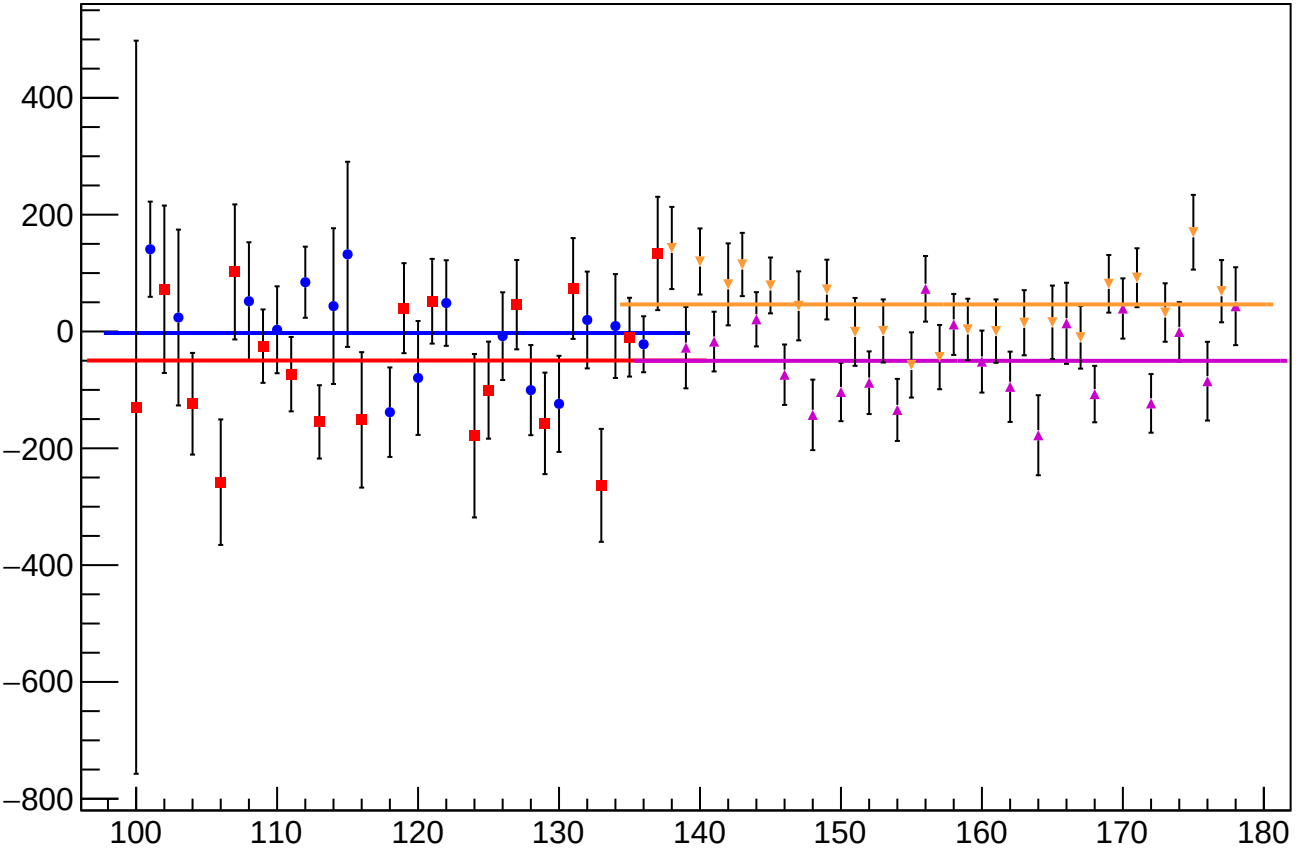
Left In: 351.139+/-0.063 χ^2/NDF:993675.0/19

+ sign 382.556+/-0.057 χ^2/NDF: 3056634.1/36

All: 381.959+/-0.041 χ^2/NDF: 6154354.1/75

- sign 381.363+/-0.057 χ^2/NDF: 3097504.3/38

eigen_cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 46.369+/-12.060 χ^2/NDF:21.9/20

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

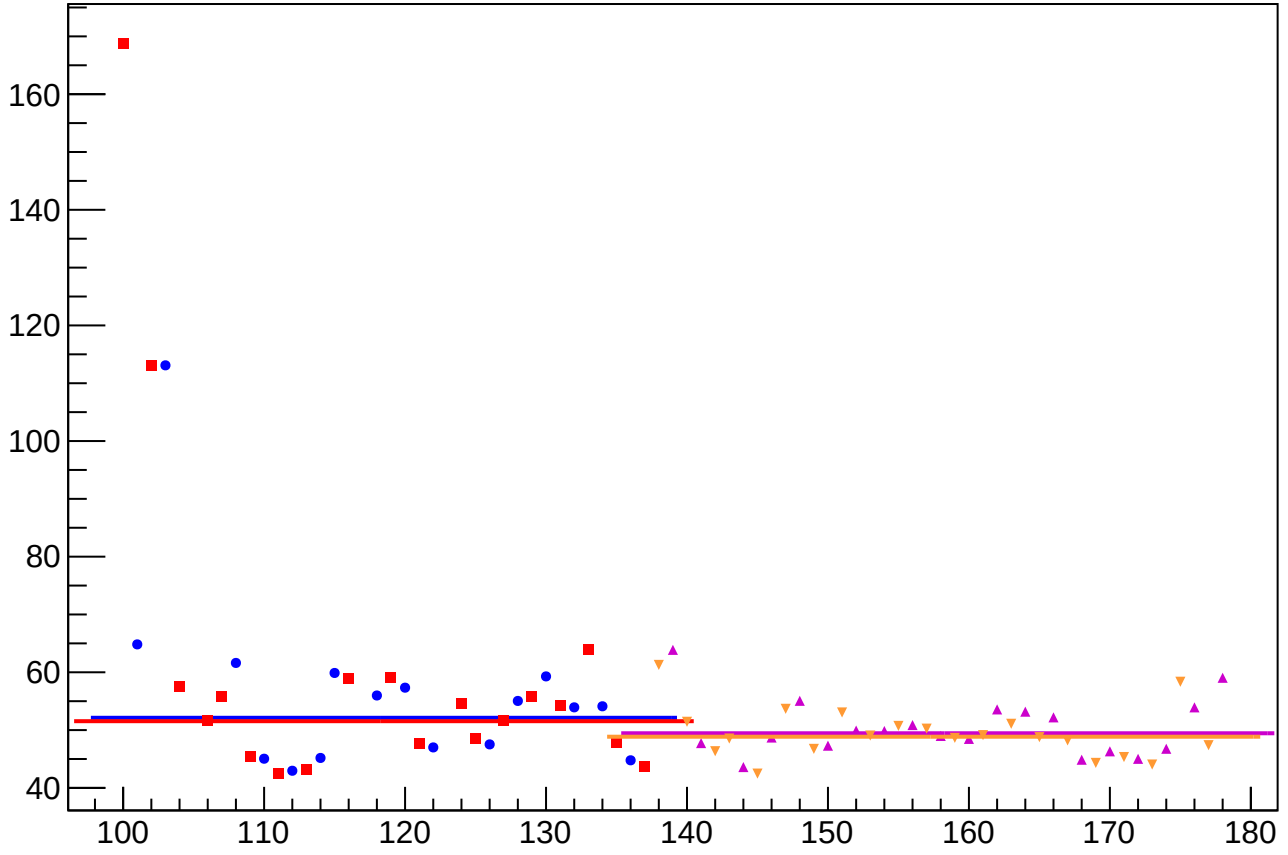
Left In: -50.237+/-12.338 χ^2/NDF:30.3/19

+ sign 33.301+/-10.327 χ^2/NDF: 40.9/36

All: -7.920+/-7.344 χ^2/NDF: 132.8/75

- sign -50.083+/-10.445 χ^2/NDF: 59.6/38

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 48.855+/-0.009 χ^2/NDF:229674.7/20

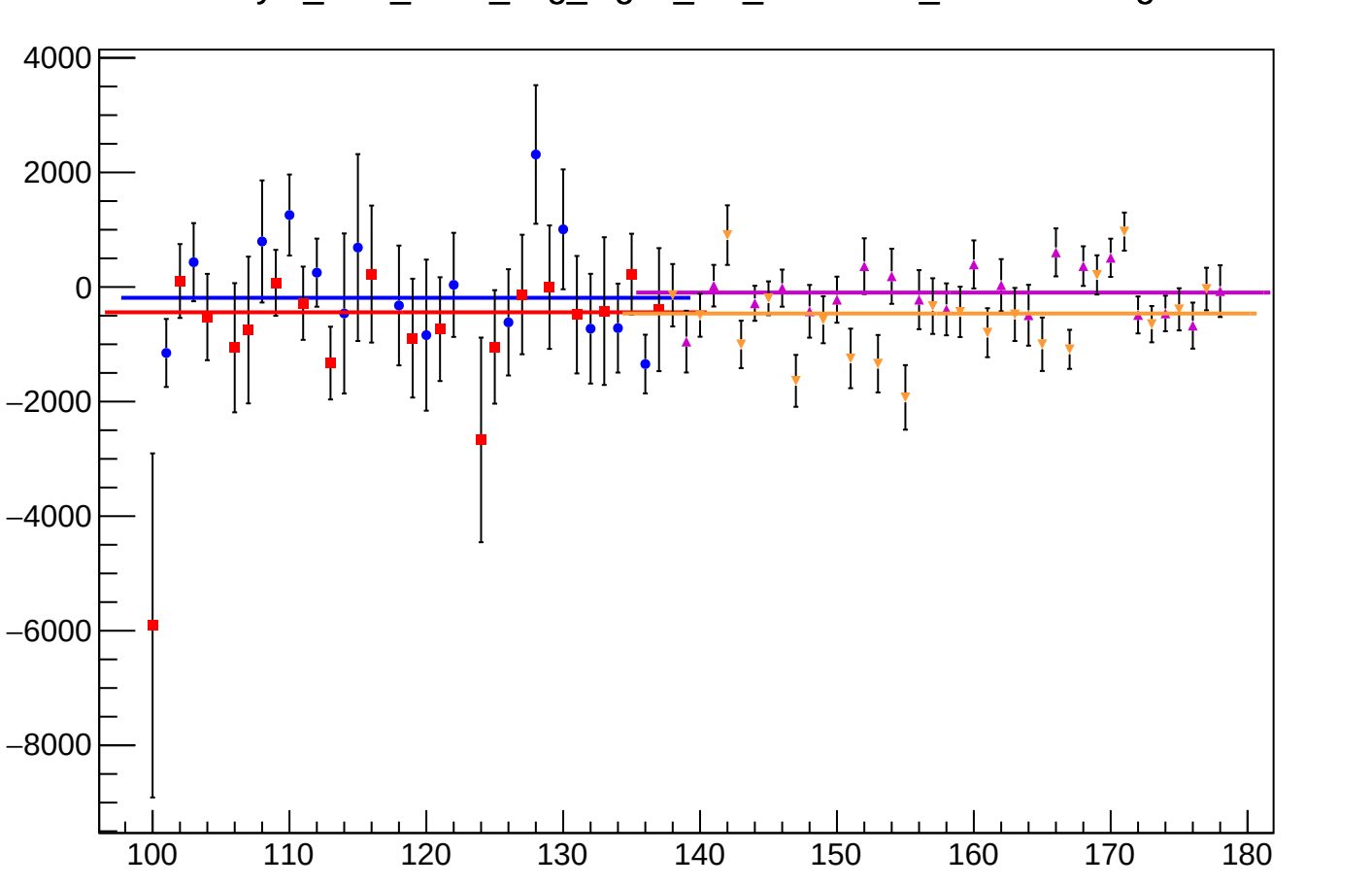
Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.450+/-0.009 χ^2/NDF:258621.2/19

+ sign 49.728+/-0.007 χ^2/NDF: 831909.2/36

All: 49.883+/-0.005 χ^2/NDF: 1747481.8/75

- sign 50.042+/-0.007 χ^2/NDF: 914657.7/38



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -463.352+/-88.380 χ^2/NDF:58.2/20

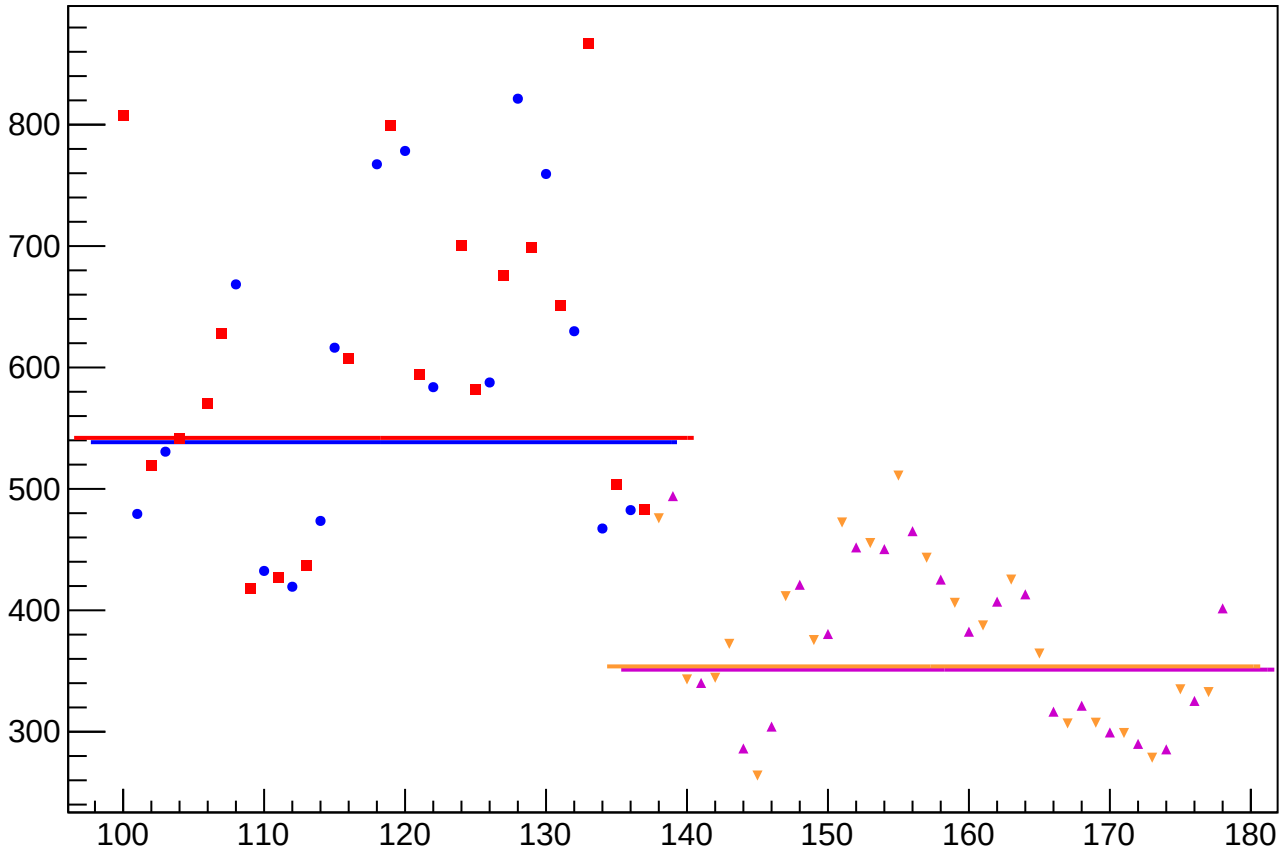
Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: -96.742+/-88.529 χ^2/NDF:20.2/19

+ sign -420.566+/-81.209 χ^2/NDF: 81.0/36

All: -285.936+/-57.427 χ^2/NDF: 120.0/75

- sign -151.277+/-81.218 χ^2/NDF: 33.5/38



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 353.804+/-0.062 χ^2/NDF:1083165.0/20

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

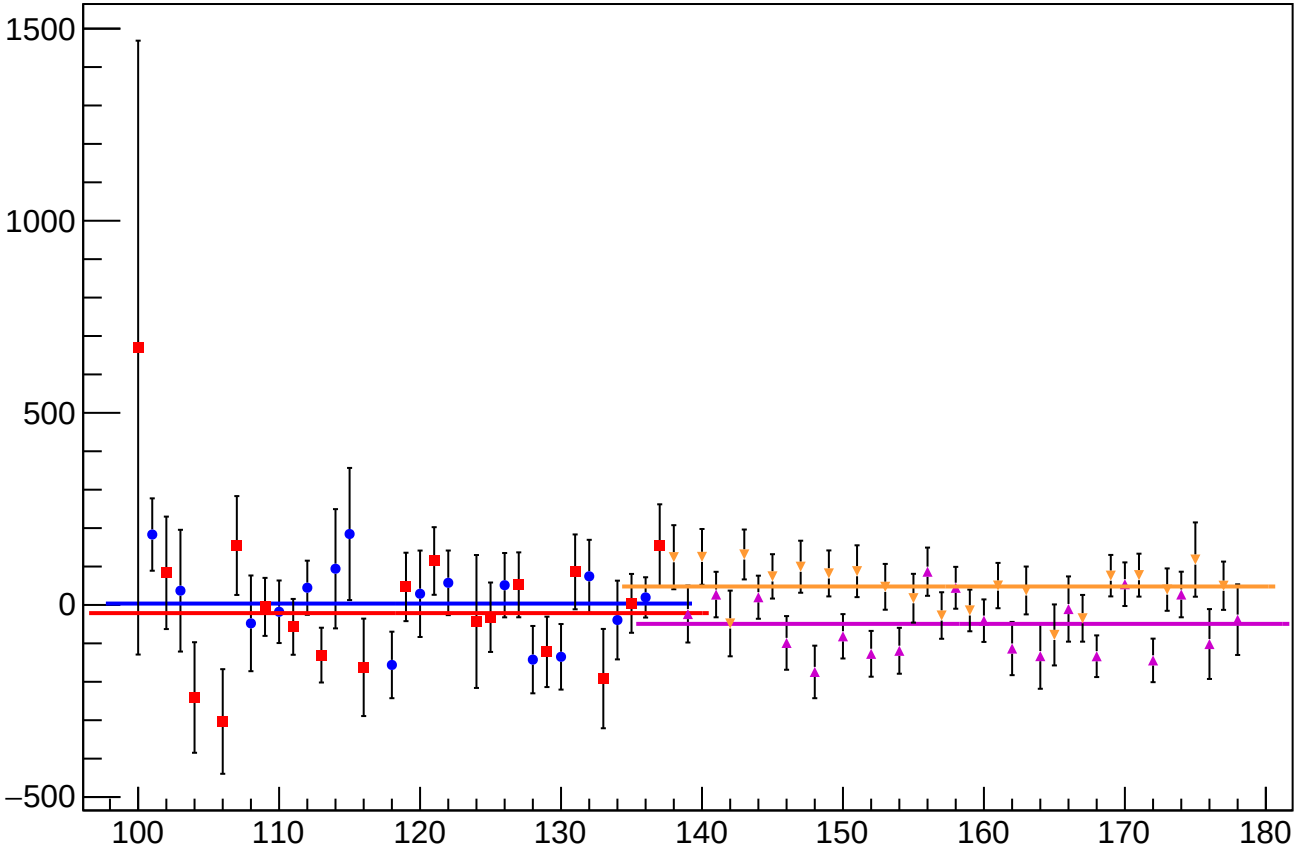
Left In: 351.139+/-0.063 χ^2/NDF:993675.0/19

+ sign 382.556+/-0.057 χ^2/NDF: 3056634.1/36

All: 381.959+/-0.041 χ^2/NDF: 6154354.1/75

- sign 381.363+/-0.057 χ^2/NDF: 3097504.3/38

dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 48.042+/-13.877 χ^2/NDF:14.9/20

Right Out: -21.253+/-22.769 χ^2/NDF: 24.4/18

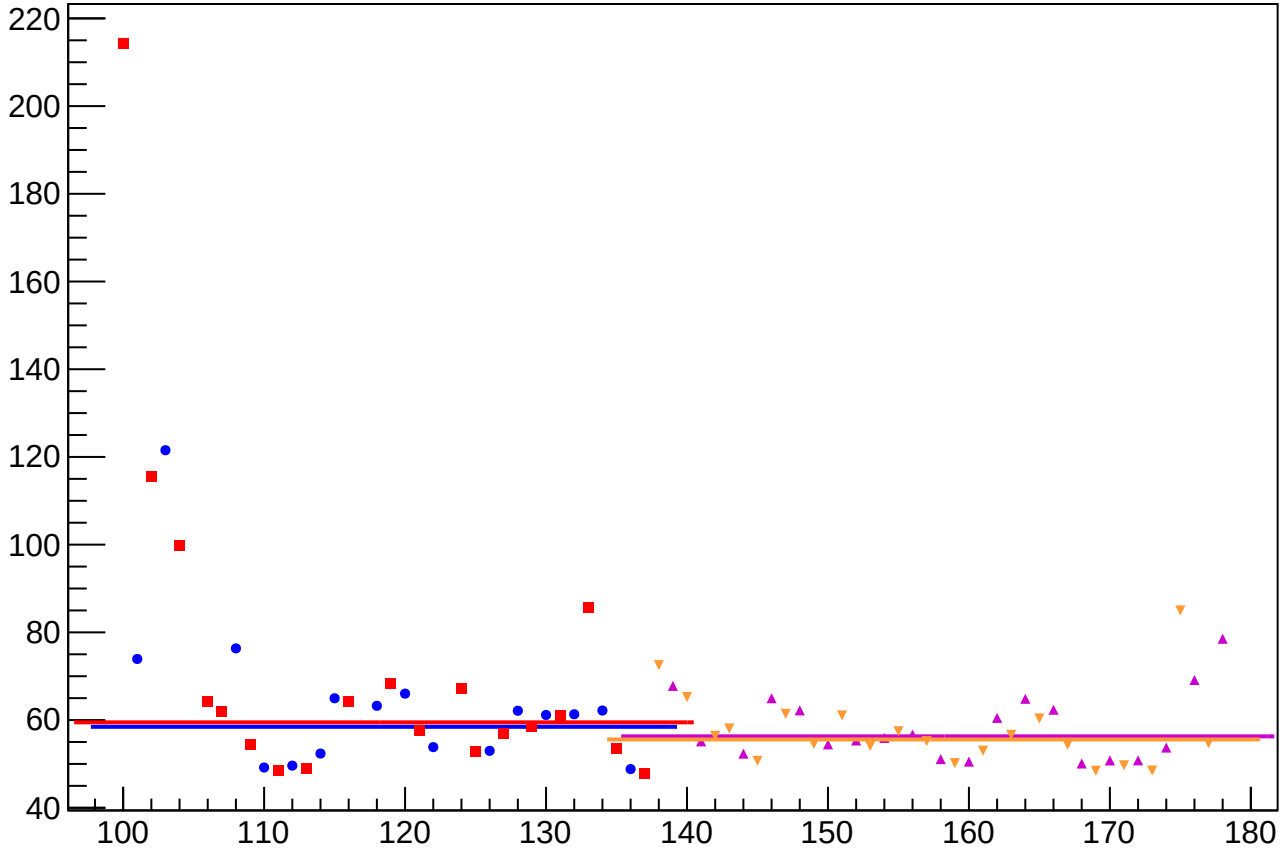
Left In: -49.257+/-14.209 χ^2/NDF:30.8/19

+ sign 35.780+/-11.808 χ^2/NDF: 33.9/36

All: -2.018+/-8.435 χ^2/NDF: 111.2/75

- sign -41.408+/-12.054 χ^2/NDF: 56.3/38

dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 55.581+/-0.010 χ^2/NDF:475208.2/20

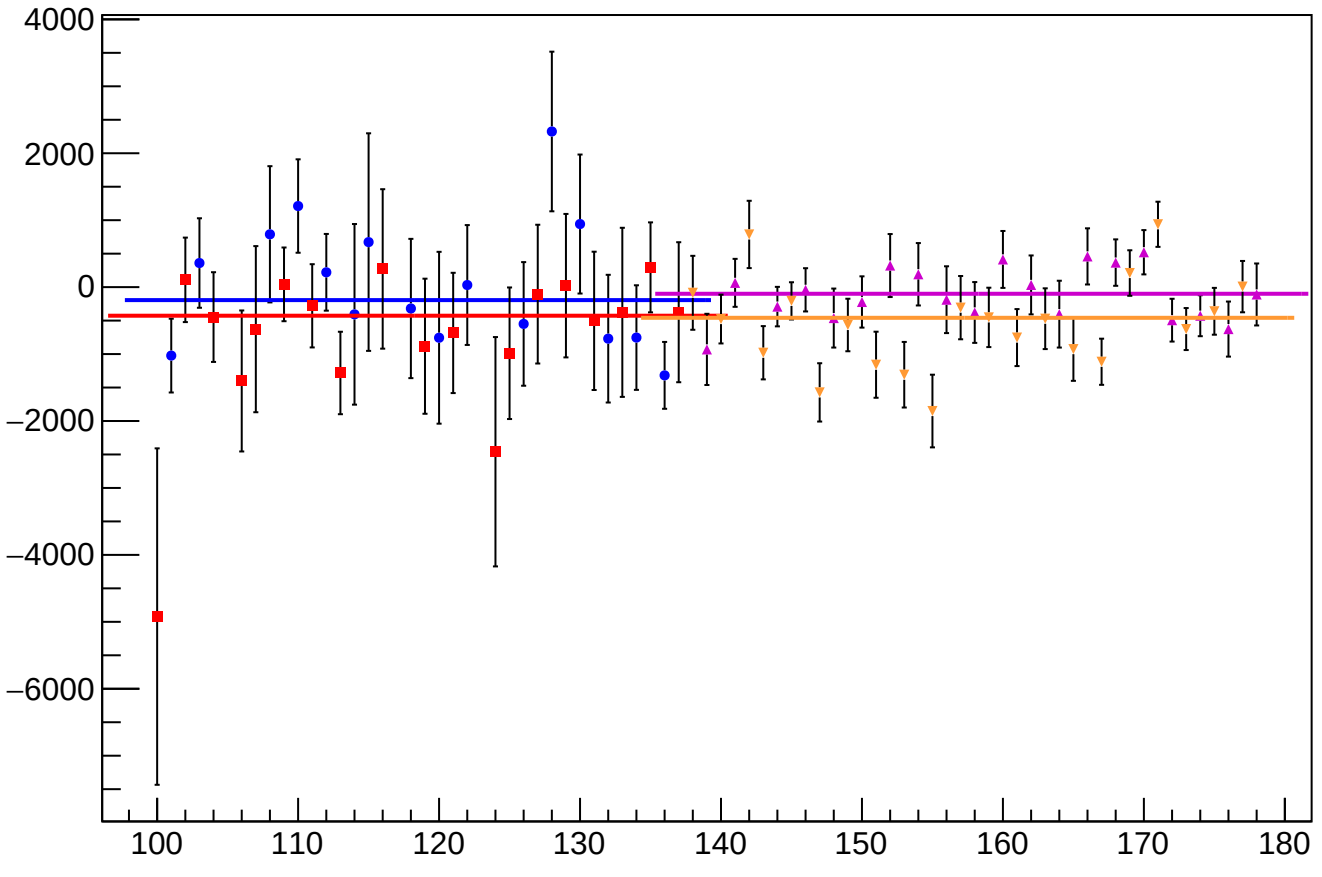
Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

Left In: 56.289+/-0.010 χ^2/NDF:409630.2/19

+ sign 56.377+/-0.008 χ^2/NDF: 1082027.2/36

All: 56.773+/-0.006 χ^2/NDF: 2309457.1/75

- sign 57.185+/-0.009 χ^2/NDF: 1222848.2/38



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -458.324+/-86.767 χ^2/NDF:55.4/20

Right Out: -426.977+/-197.005 χ^2/NDF: 11.3/18

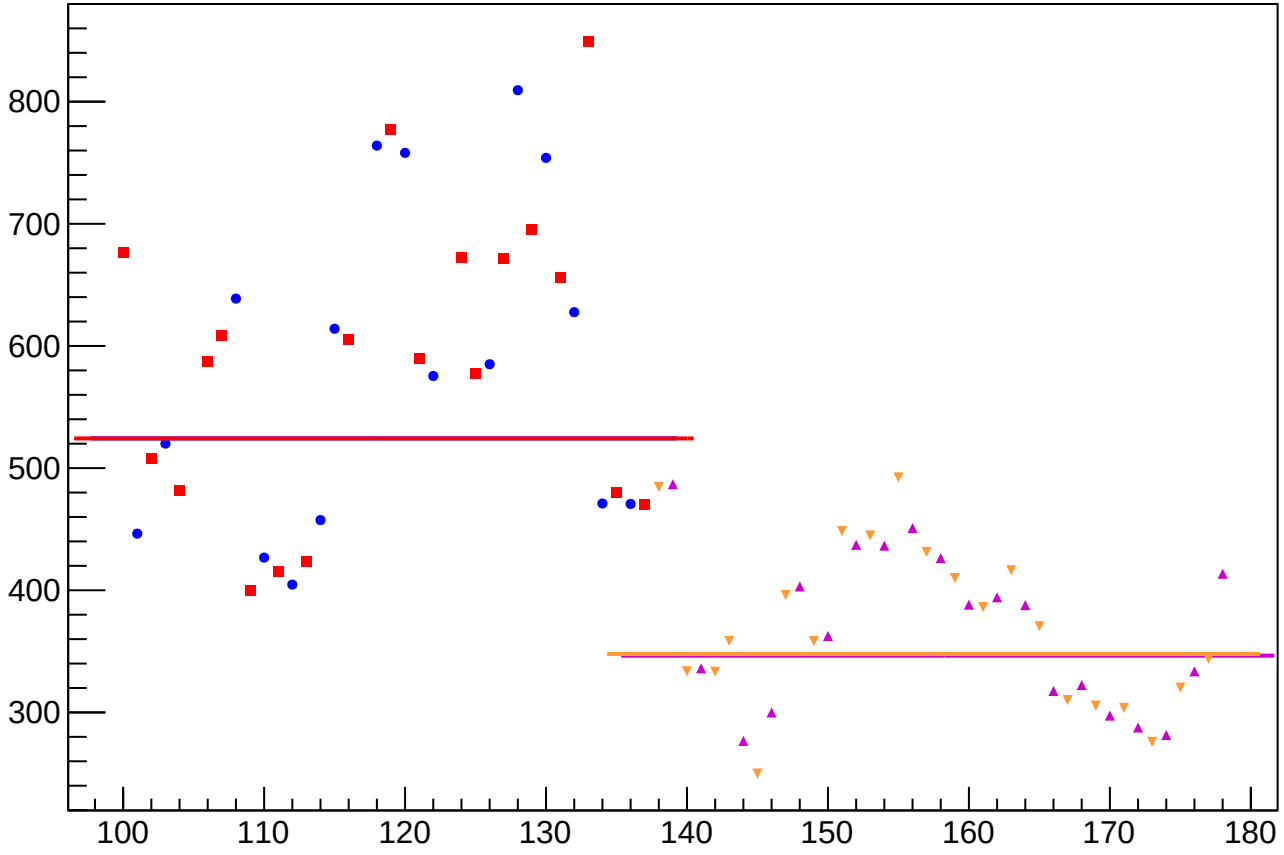
Left In: -99.195+/-87.290 χ^2/NDF:18.8/19

+ sign -416.651+/-79.637 χ^2/NDF: 77.7/36

All: -285.100+/-56.372 χ^2/NDF: 115.6/75

- sign -152.987+/-79.807 χ^2/NDF: 32.4/38

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 347.818+/-0.061 χ^2/NDF:1081019.9/20

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

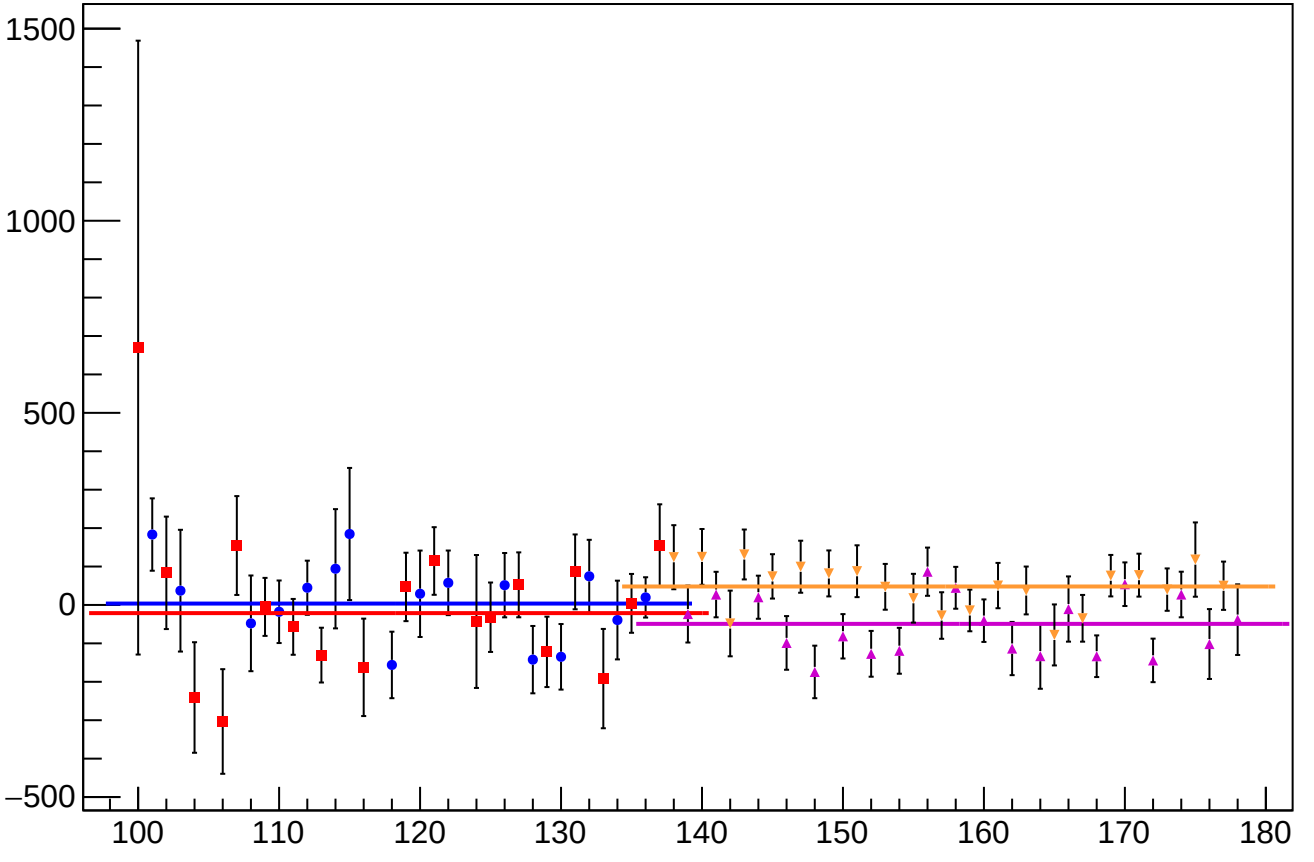
Left In: 346.472+/-0.062 χ^2/NDF:951014.9/19

+ sign 375.635+/-0.056 χ^2/NDF: 3043884.2/36

All: 375.646+/-0.040 χ^2/NDF: 6043210.4/75

- sign 375.656+/-0.056 χ^2/NDF: 2999326.2/38

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 48.043+/-13.877 χ^2/NDF:14.9/20

Right Out: -21.251+/-22.769 χ^2/NDF: 24.4/18

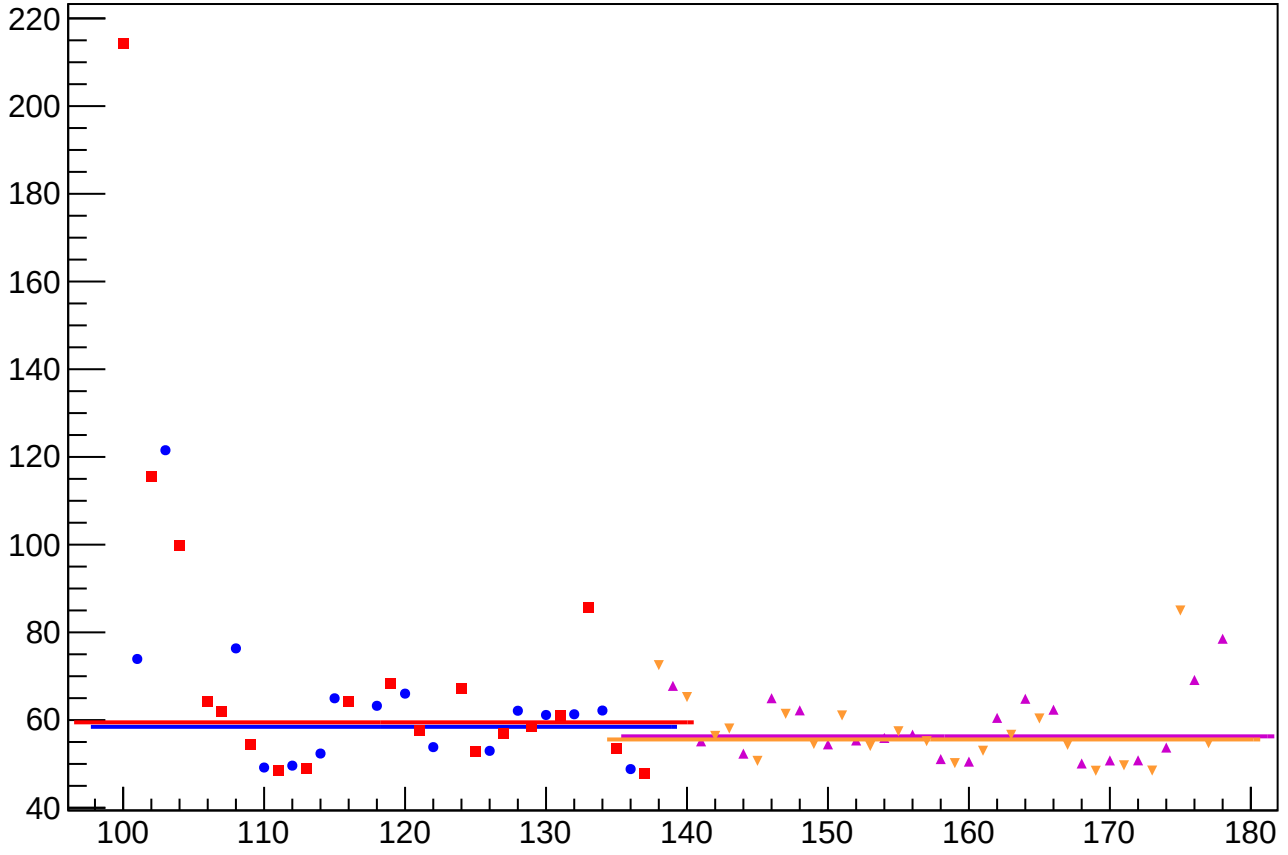
Left In: -49.257+/-14.209 χ^2/NDF:30.8/19

+ sign 35.780+/-11.808 χ^2/NDF: 33.9/36

All: -2.018+/-8.435 χ^2/NDF: 111.2/75

- sign -41.407+/-12.054 χ^2/NDF: 56.3/38

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 55.582+/-0.010 χ^2/NDF:475213.2/20

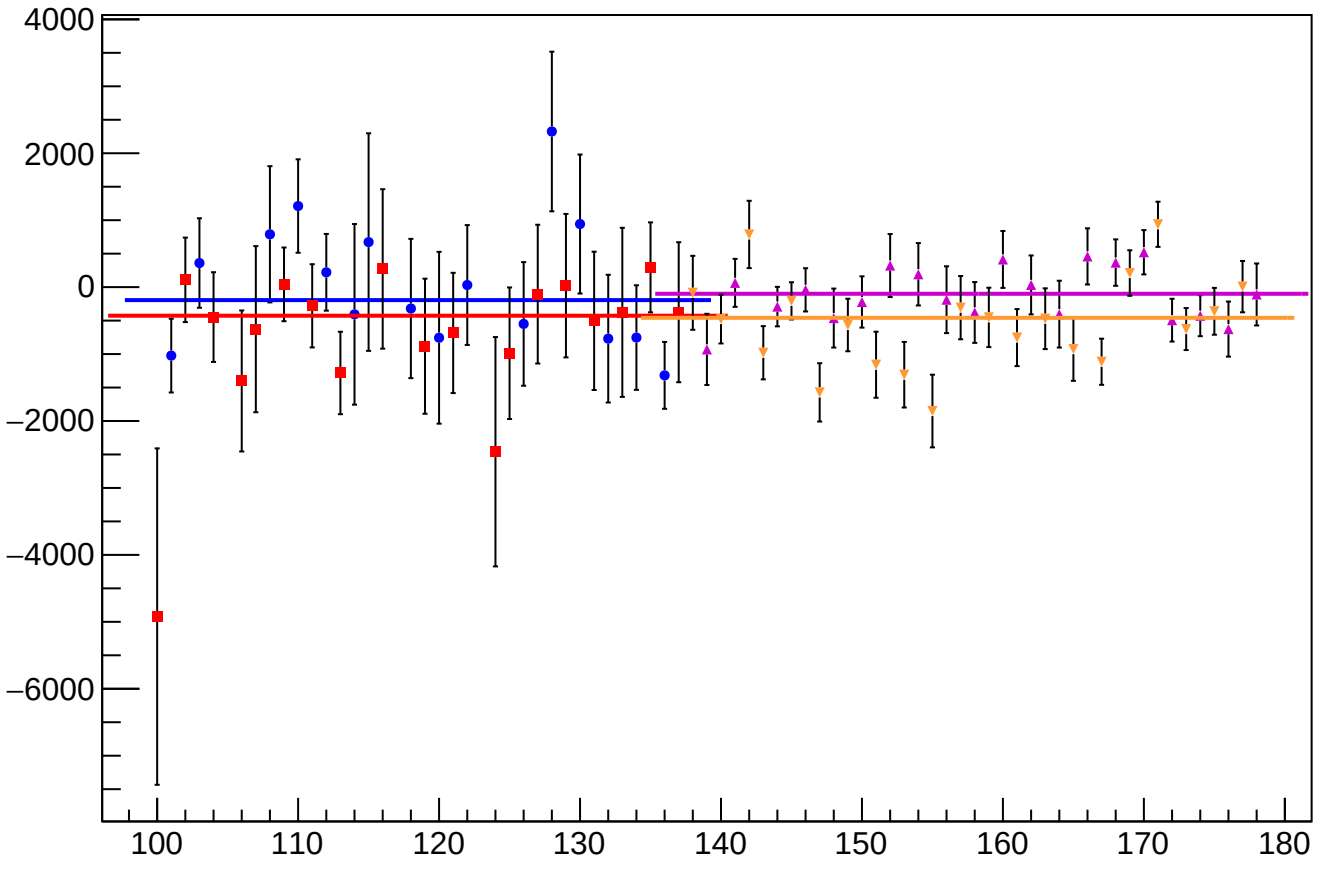
Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 56.290+/-0.010 χ^2/NDF:409621.5/19

+ sign 56.377+/-0.008 χ^2/NDF: 1082028.5/36

All: 56.773+/-0.006 χ^2/NDF: 2309450.0/75

- sign 57.185+/-0.009 χ^2/NDF: 1222839.5/38



Right In: -193.899+/-200.603 χ^2/NDF: 20.8/15

Left Out: -458.324+/-86.767 χ^2/NDF:55.4/20

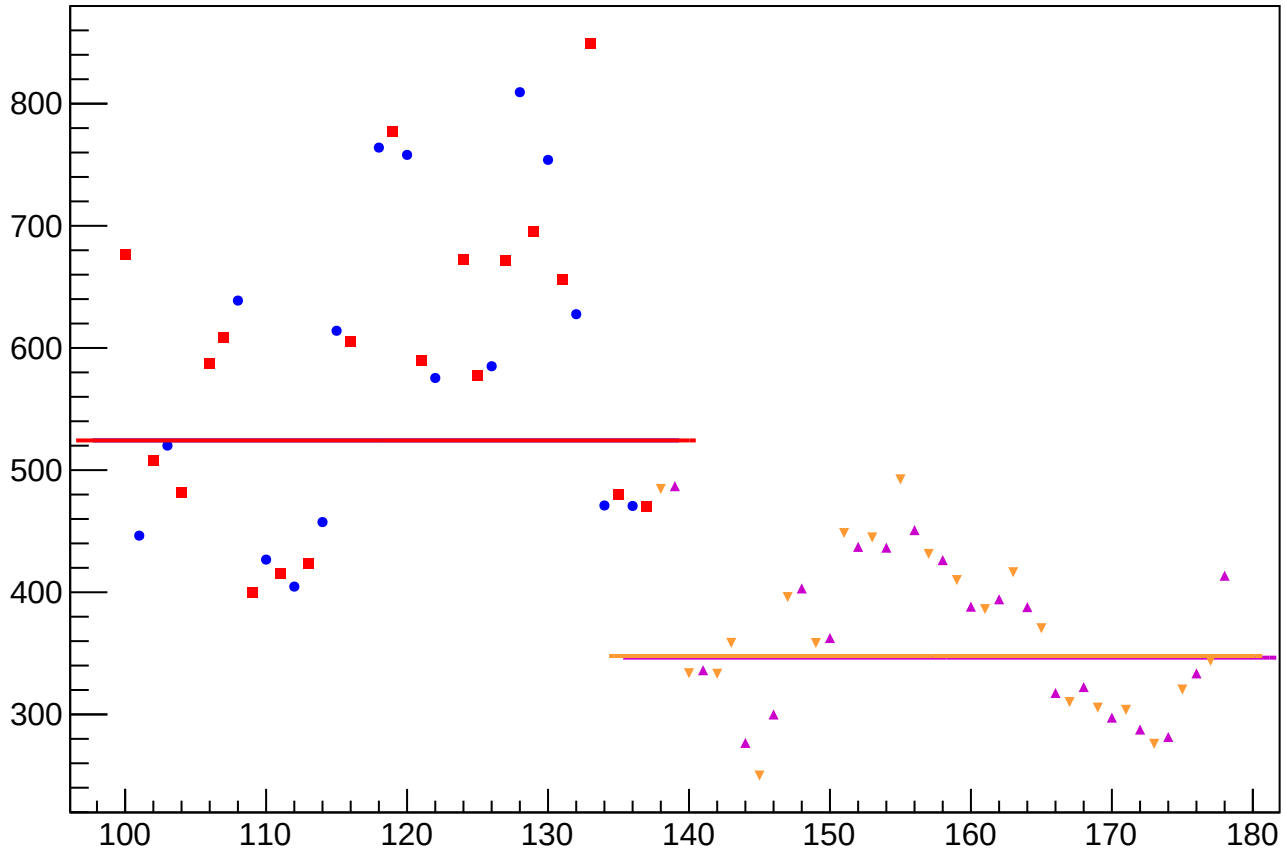
Right Out: -426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: -99.195+/-87.290 χ^2/NDF:18.8/19

+ sign -416.651+/-79.637 χ^2/NDF: 77.7/36

All: -285.100+/-56.372 χ^2/NDF: 115.6/75

- sign -152.986+/-79.807 χ^2/NDF: 32.4/38



Right In: 524.325+/-0.142 χ^2/NDF: 658493.8/15

Left Out: 347.818+/-0.061 χ^2/NDF:1081014.7/20

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

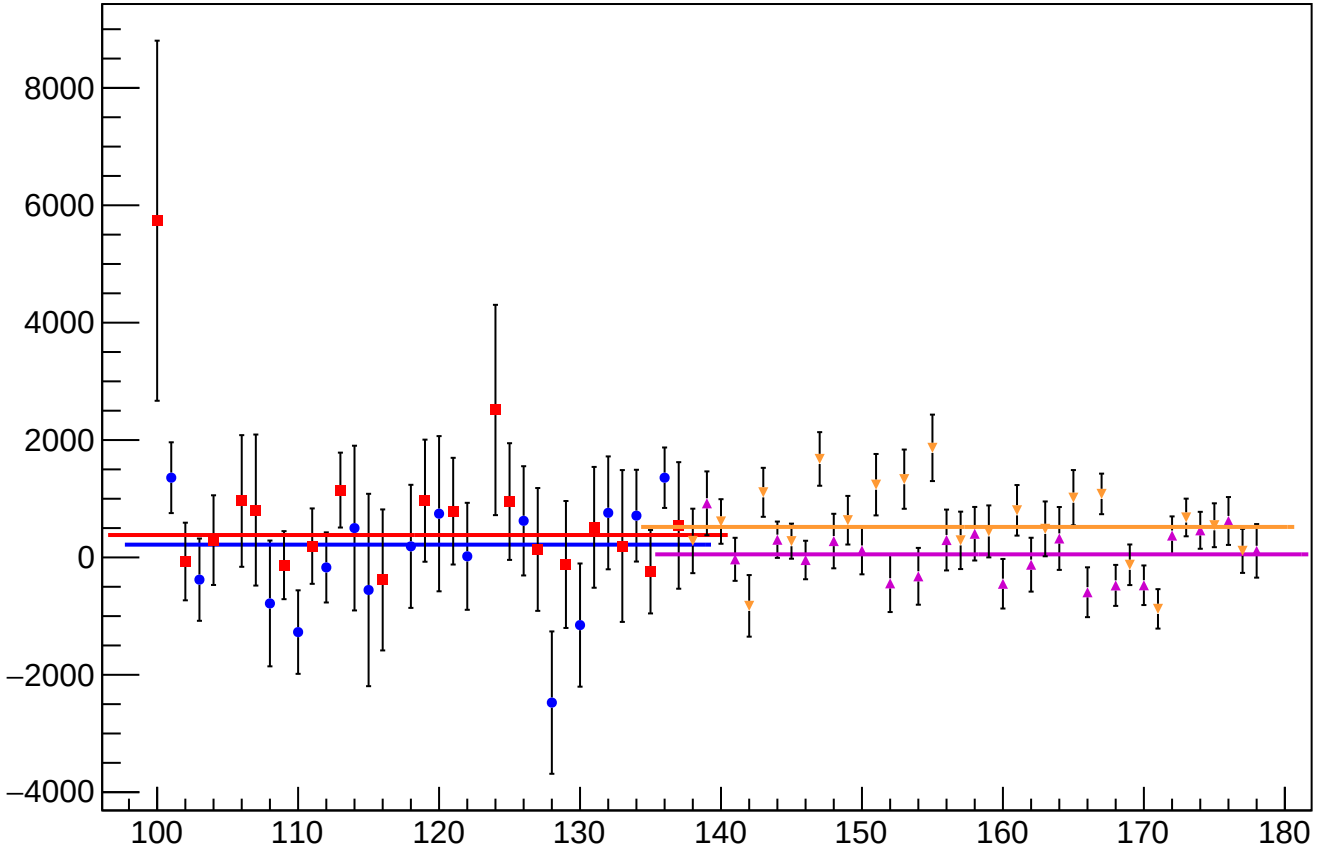
Left In: 346.472+/-0.062 χ^2/NDF:951007.9/19

+ sign 375.635+/-0.056 χ^2/NDF: 3043877.6/36

All: 375.645+/-0.040 χ^2/NDF: 6043190.8/75

- sign 375.656+/-0.056 χ^2/NDF: 2999313.0/38

asym_sam_1357_avg_mean vs Slug



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 519.511+/-89.282 χ^2/NDF:52.8/20

Right Out: 381.836+/-205.585 χ^2/NDF: 10.0/18

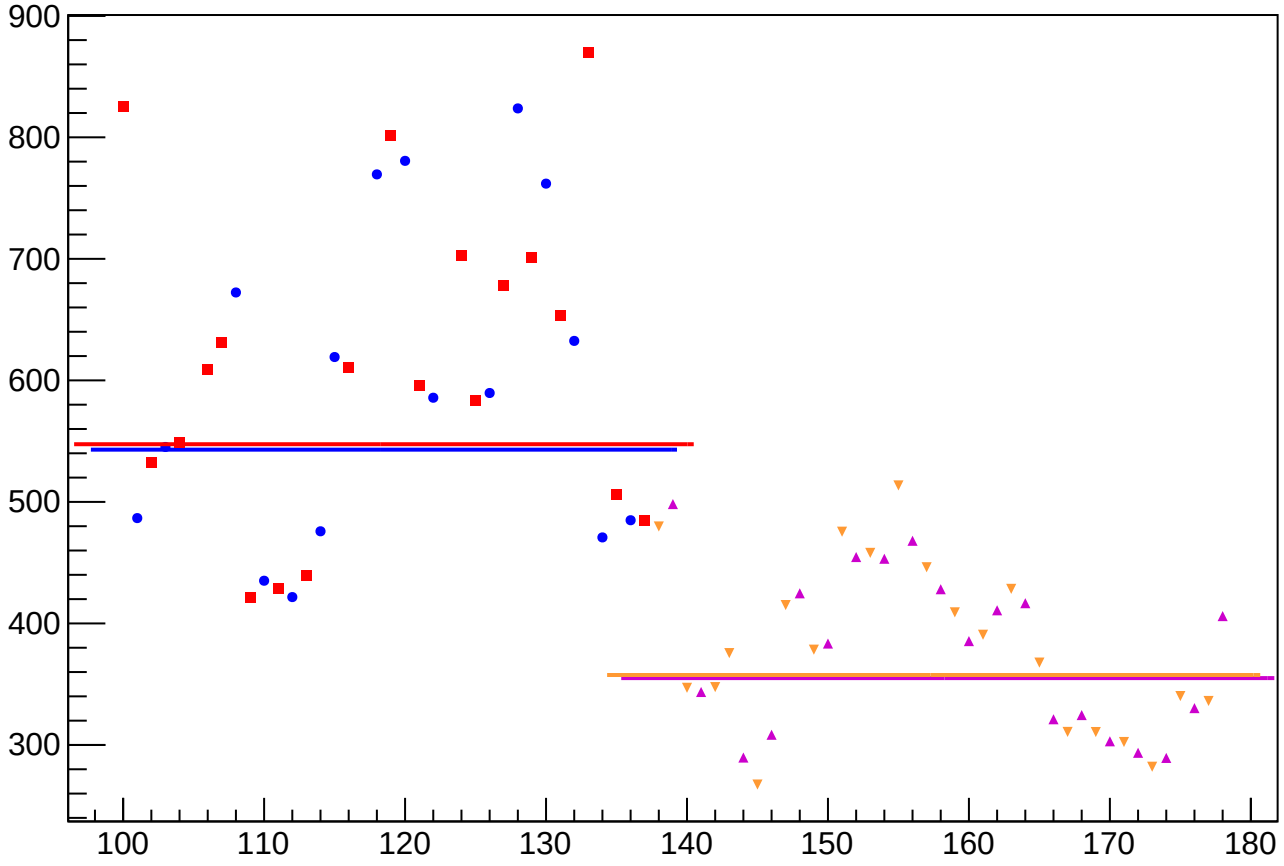
Left In: 52.500+/-89.469 χ^2/NDF:19.5/19

+ sign 472.368+/-82.012 χ^2/NDF: 77.4/36

All: 288.711+/-58.000 χ^2/NDF: 119.1/75

- sign 104.942+/-82.037 χ^2/NDF: 31.7/38

asym_sam_1357_avg_rms vs Slug



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 357.567+/-0.063 χ^2/NDF:1056988.0/20

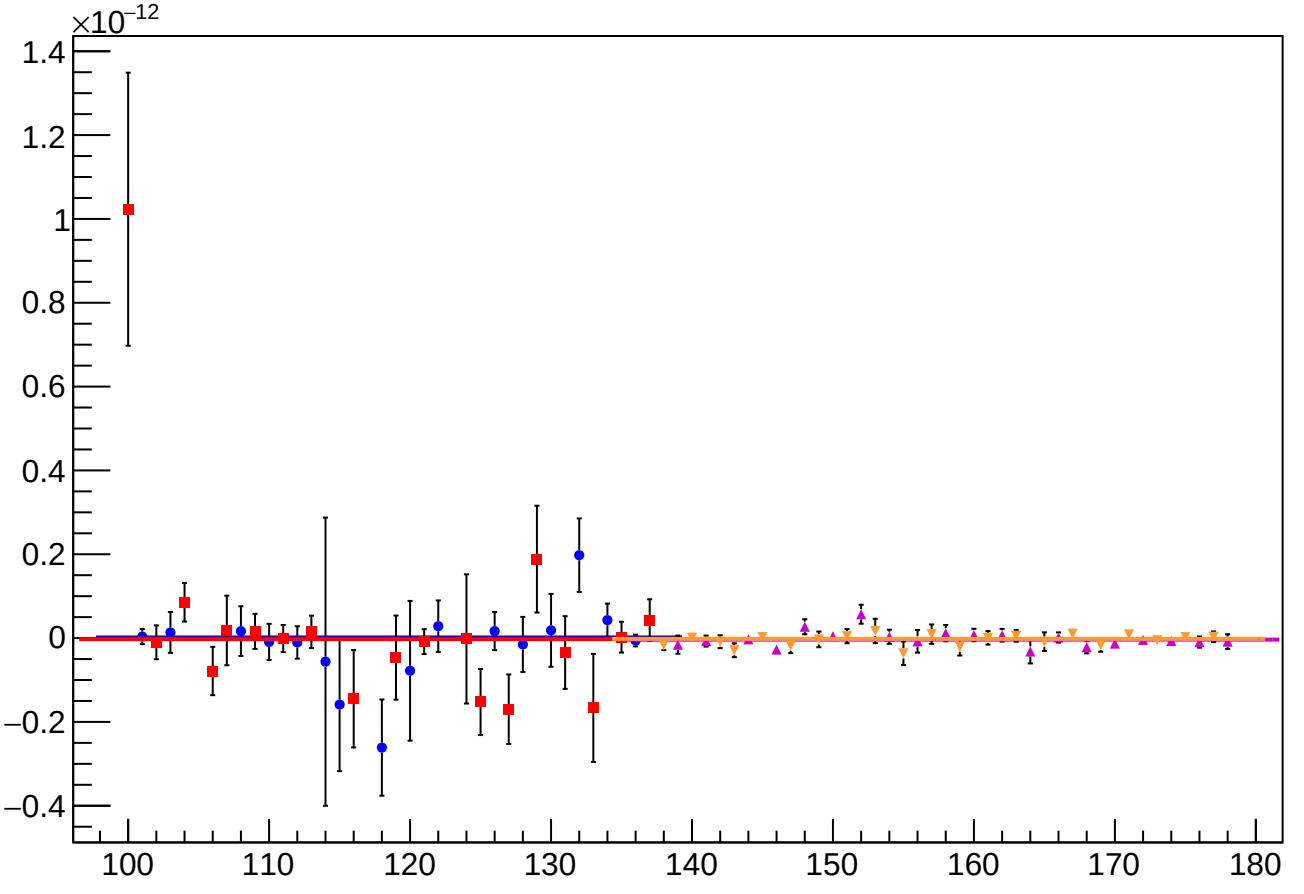
Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 355.016+/-0.063 χ^2/NDF:969212.7/19

+ sign 386.536+/-0.058 χ^2/NDF: 3010010.9/36

All: 386.098+/-0.041 χ^2/NDF: 6083120.8/75

- sign 385.661+/-0.058 χ^2/NDF: 3072996.0/38



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

Left Out: -0.000+/-0.000 χ^2/NDF:12.3/20

Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/18

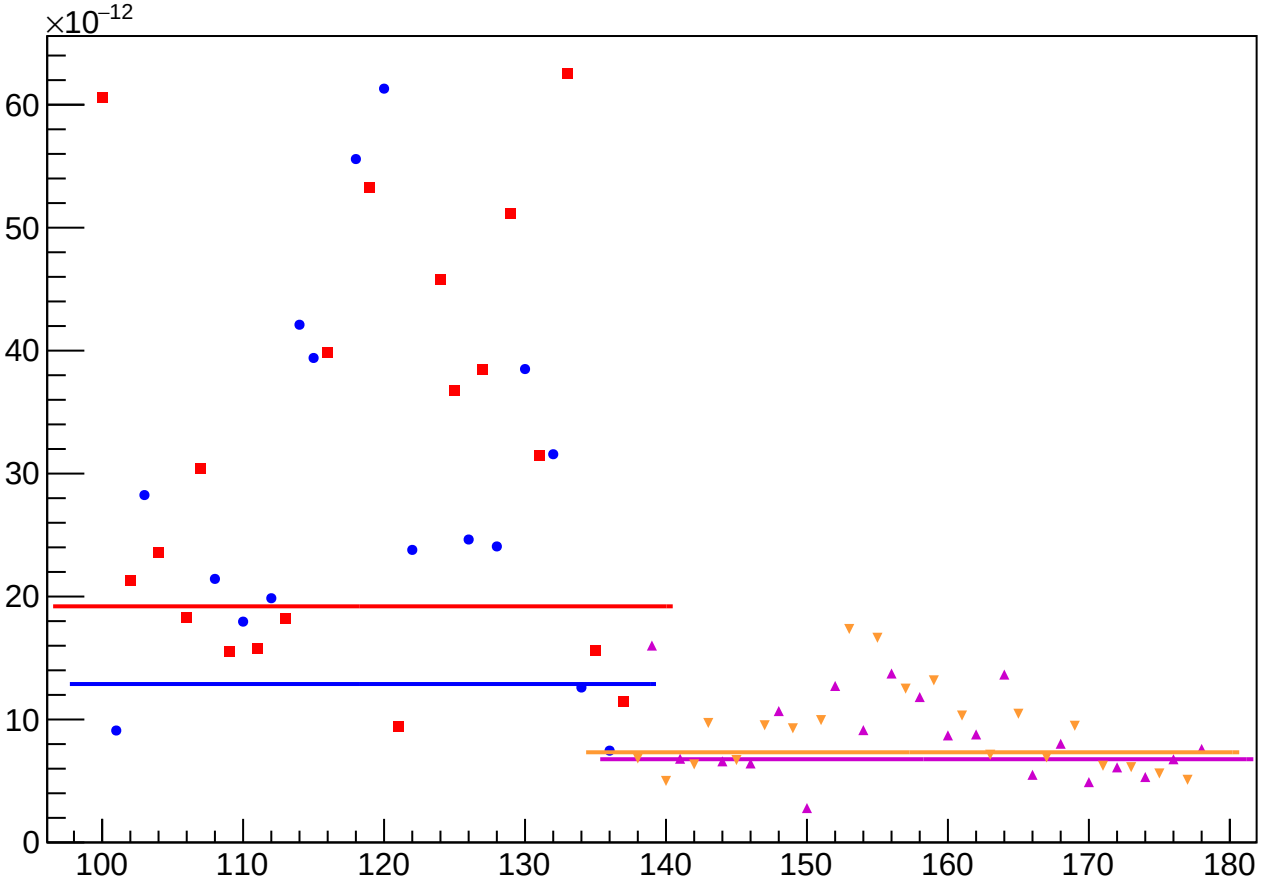
Left In: -0.000+/-0.000 χ^2/NDF:21.6/19

+ sign -0.000+/-0.000 χ^2/NDF: 26.0/36

All: -0.000+/-0.000 χ^2/NDF: 77.9/75

- sign -0.000+/-0.000 χ^2/NDF: 51.7/38

asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1756750.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1347895.4/20

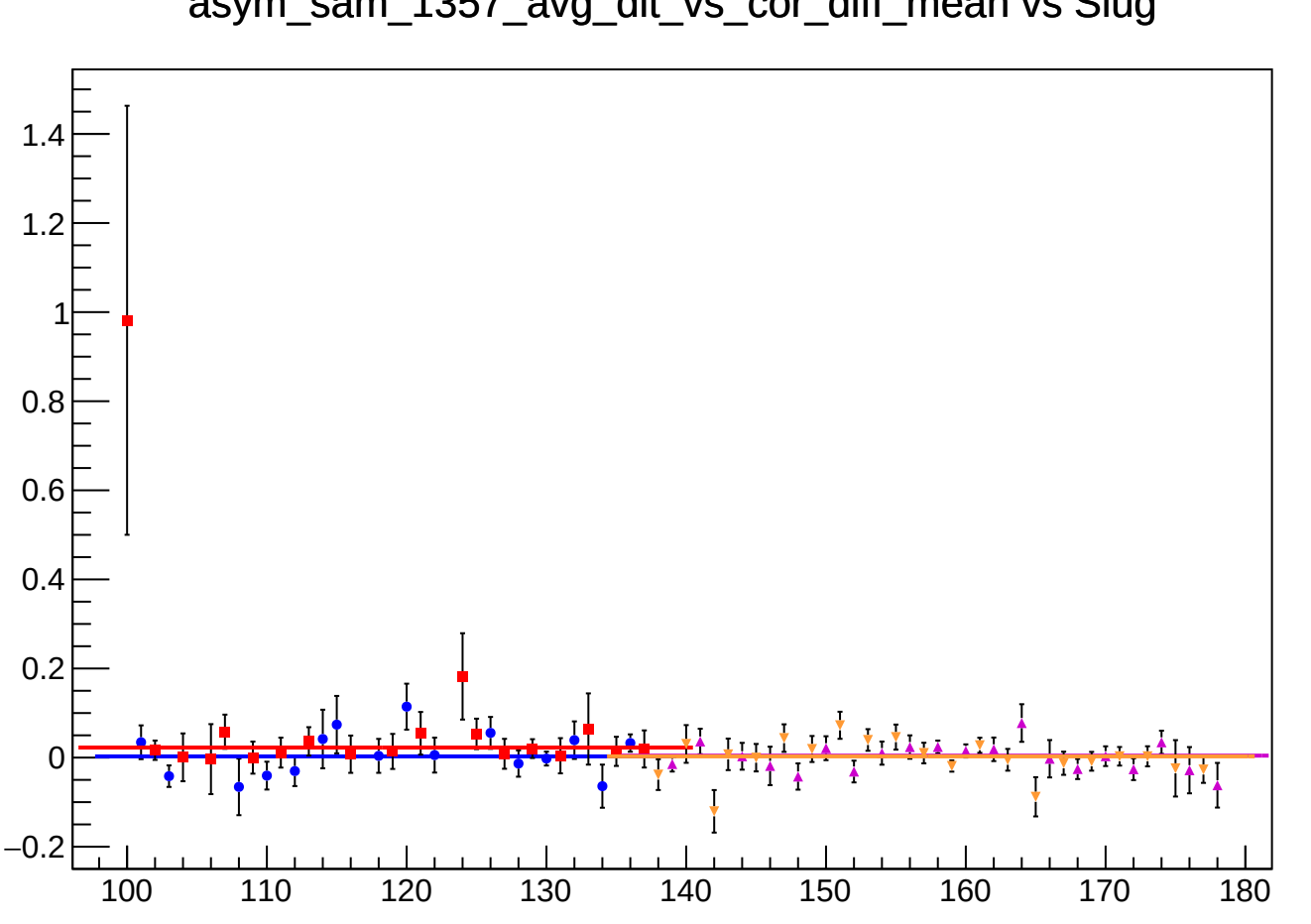
Right Out: 0.000+/-0.000 χ^2/NDF: 1367620.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1708455.8/19

+ sign 0.000+/-0.000 χ^2/NDF: 3780917.5/36

All: 0.000+/-0.000 χ^2/NDF: 8855677.6/75

- sign 0.000+/-0.000 χ^2/NDF: 5055921.8/38



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.005 χ^2/NDF:31.9/20

Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

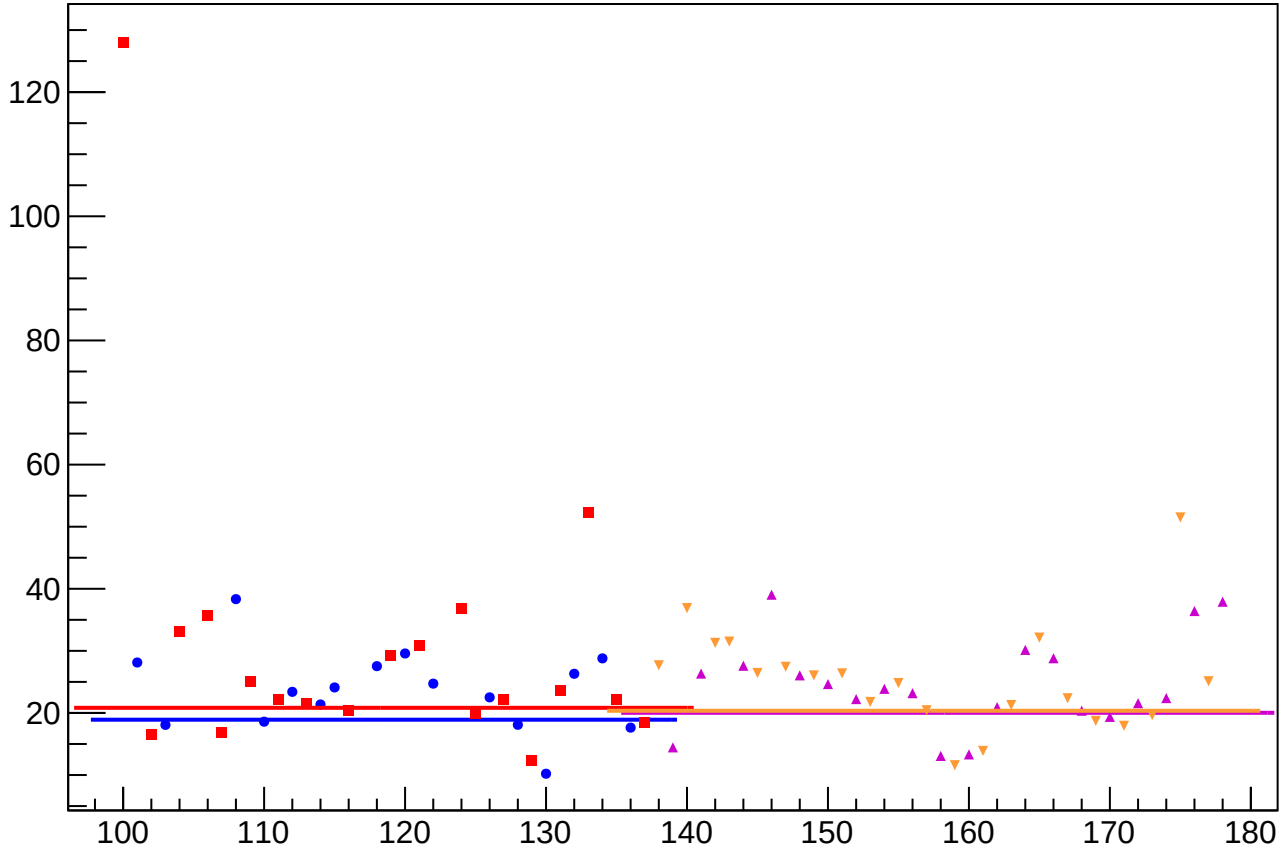
Left In: 0.004+/-0.005 χ^2/NDF:20.9/19

+ sign 0.003+/-0.004 χ^2/NDF: 53.8/36

All: 0.006+/-0.003 χ^2/NDF: 89.9/75

- sign 0.010+/-0.005 χ^2/NDF: 34.9/38

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: 20.350+/-0.004 χ^2/NDF:3079226.6/20

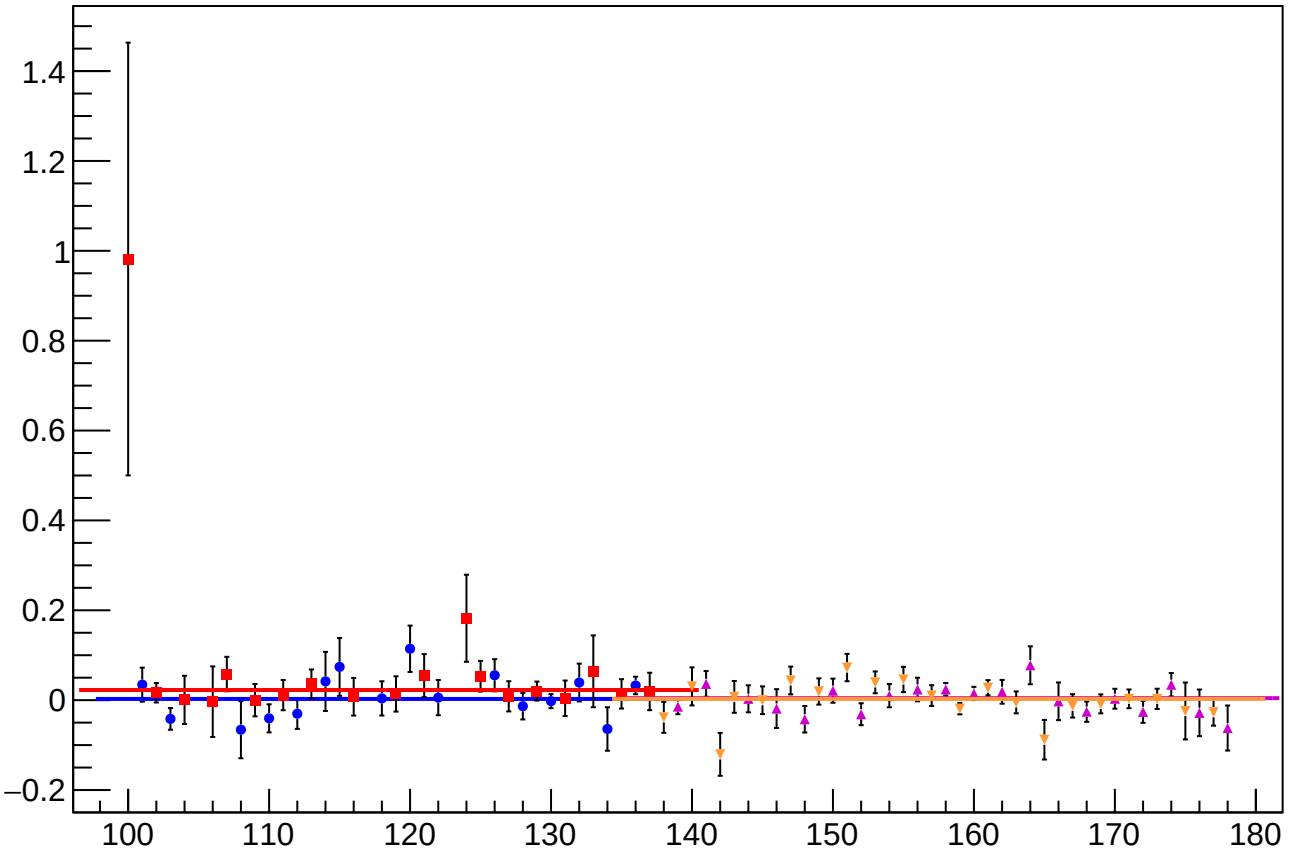
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 20.024+/-0.004 χ^2/NDF:2634892.4/19

\+ sign 19.873+/-0.003 χ^2/NDF: 4515035.5/36

All: 20.063+/-0.002 χ^2/NDF: 8461464.9/75

\- sign 20.260+/-0.003 χ^2/NDF: 3939159.7/38



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.005 χ^2/NDF:31.9/20

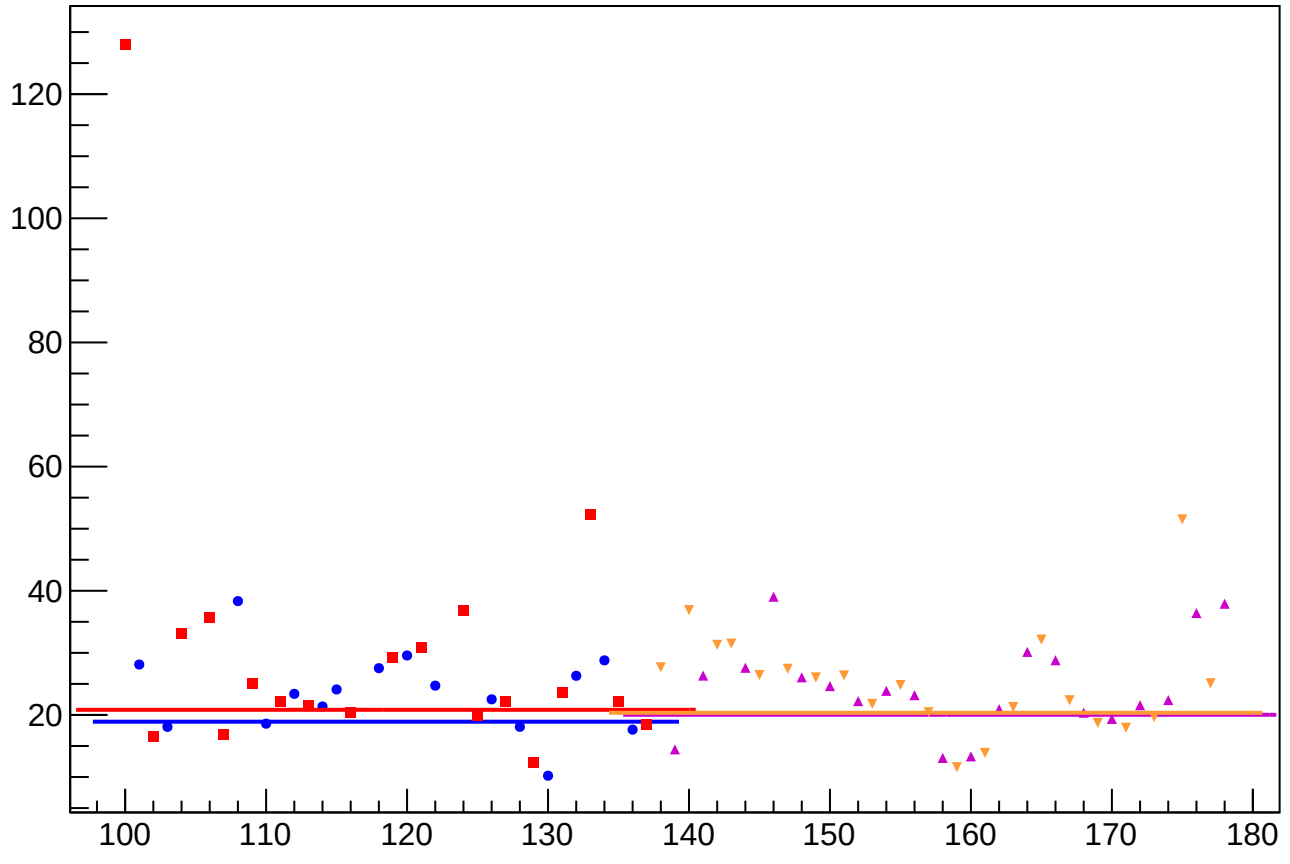
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.004+/-0.005 χ^2/NDF:20.9/19

+ sign 0.003+/-0.004 χ^2/NDF: 53.8/36

All: 0.006+/-0.003 χ^2/NDF: 89.9/75

- sign 0.010+/-0.005 χ^2/NDF: 34.9/38



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 20.350+/-0.004 χ^2/NDF:3079226.6/20

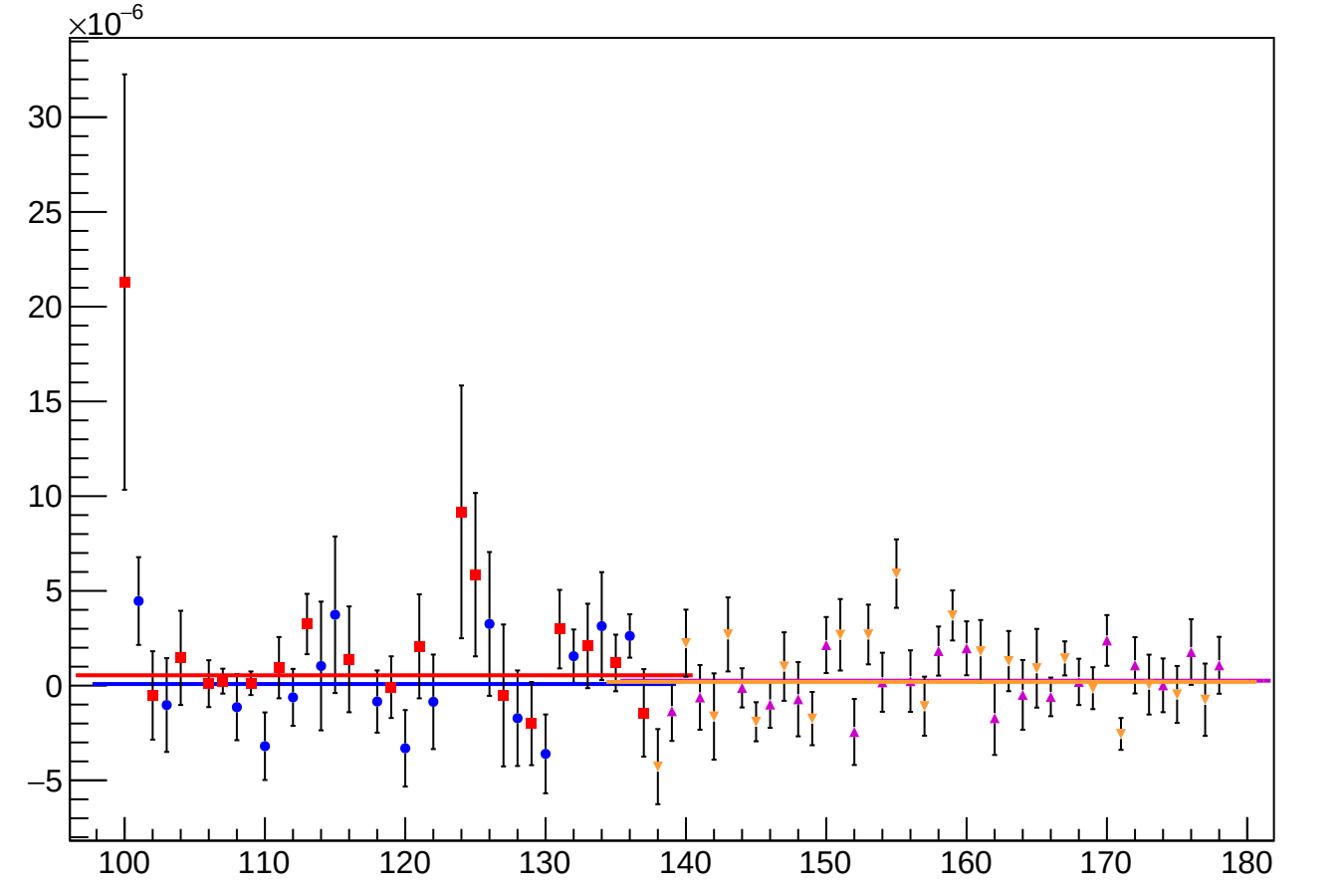
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 20.024+/-0.004 χ^2/NDF:2634892.4/19

+ sign 19.873+/-0.003 χ^2/NDF: 4515035.5/36

All: 20.063+/-0.002 χ^2/NDF: 8461464.9/75

- sign 20.260+/-0.003 χ^2/NDF: 3939159.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:51.6/20

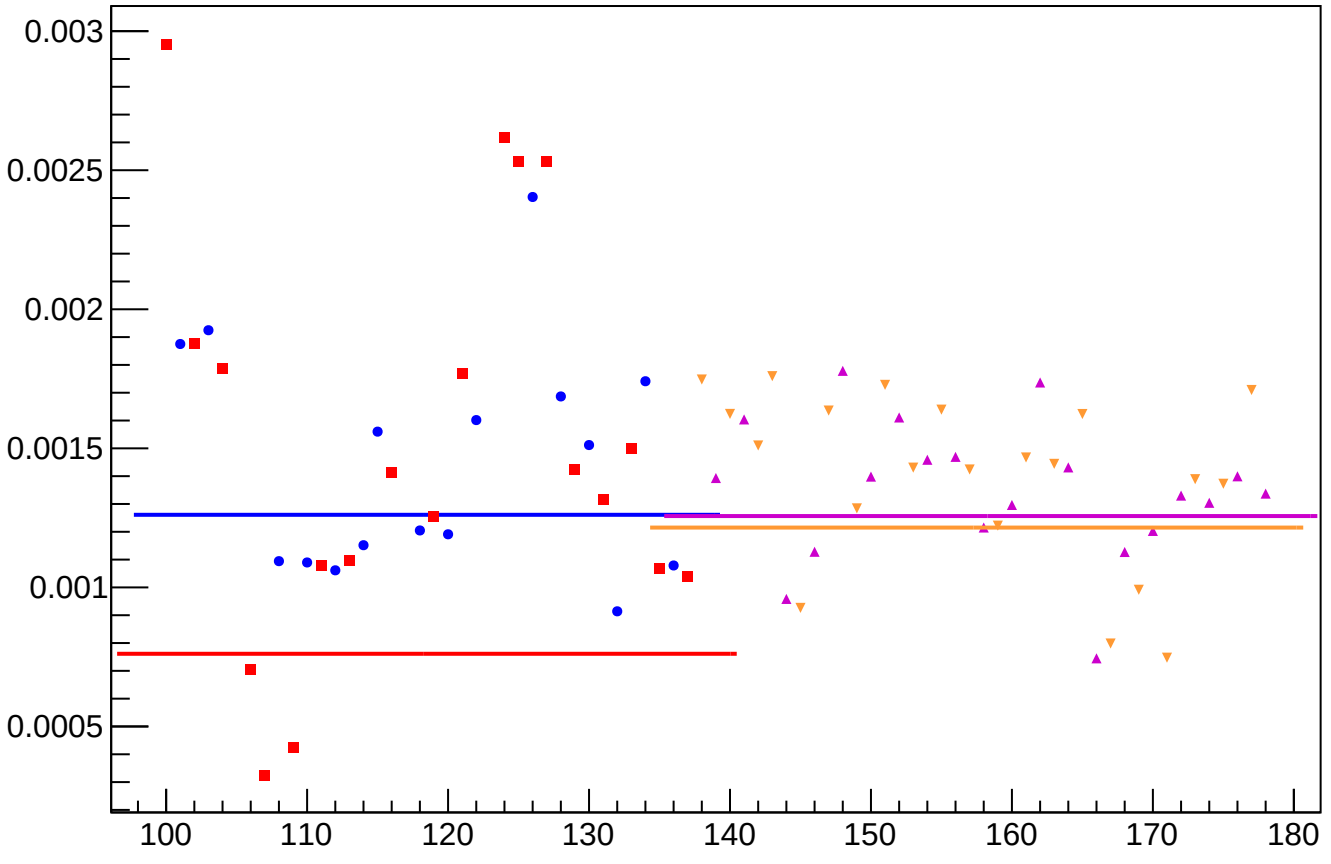
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:15.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 75.2/36

All: 0.000+/-0.000 χ^2/NDF: 107.1/75

- sign 0.000+/-0.000 χ^2/NDF: 31.5/38



Right In: 0.001+/-0.000 χ^2/NDF: 907342.5/15

Left Out: 0.001+/-0.000 χ^2/NDF:2518808.9/20

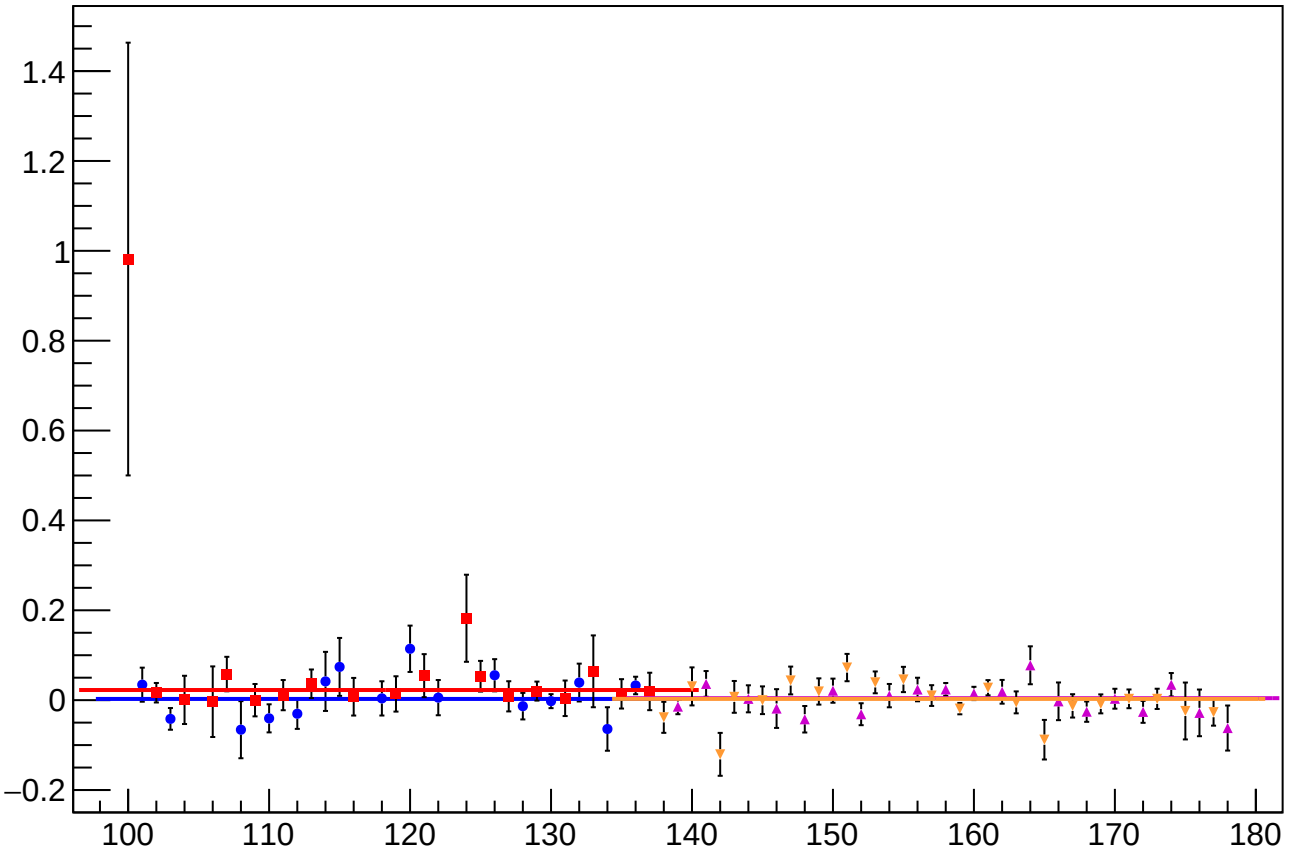
Right Out: 0.001+/-0.000 χ^2/NDF: 4672607.8/18

Left In: 0.001+/-0.000 χ^2/NDF:1297503.5/19

+ sign 0.001+/-0.000 χ^2/NDF: 3438755.9/36

All: 0.001+/-0.000 χ^2/NDF: 12358861.2/75

- sign 0.001+/-0.000 χ^2/NDF: 8229914.8/38



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.005 χ^2/NDF:31.9/20

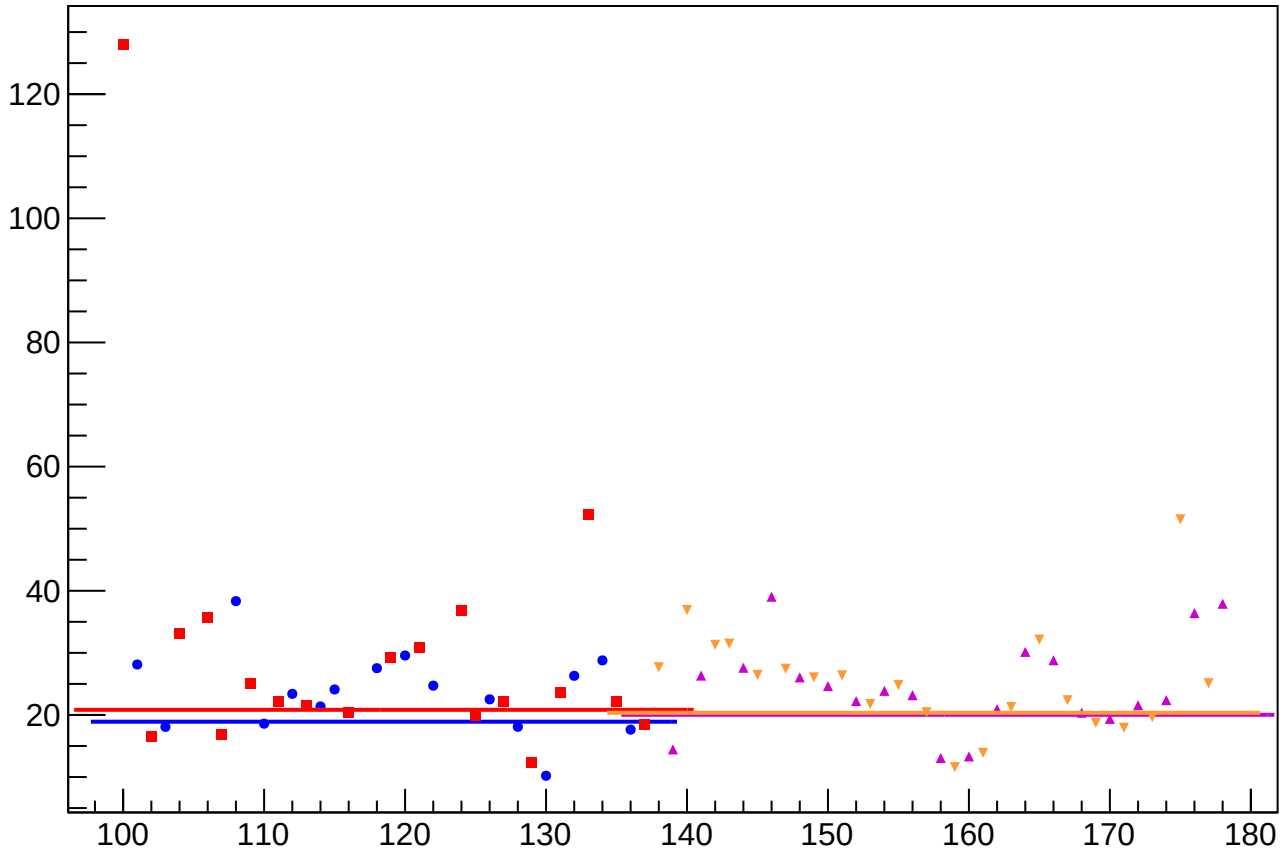
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.004+/-0.005 χ^2/NDF:20.9/19

+ sign 0.003+/-0.004 χ^2/NDF: 53.8/36

All: 0.006+/-0.003 χ^2/NDF: 89.9/75

- sign 0.010+/-0.005 χ^2/NDF: 34.9/38



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 20.350+/-0.004 χ^2/NDF:3079389.7/20

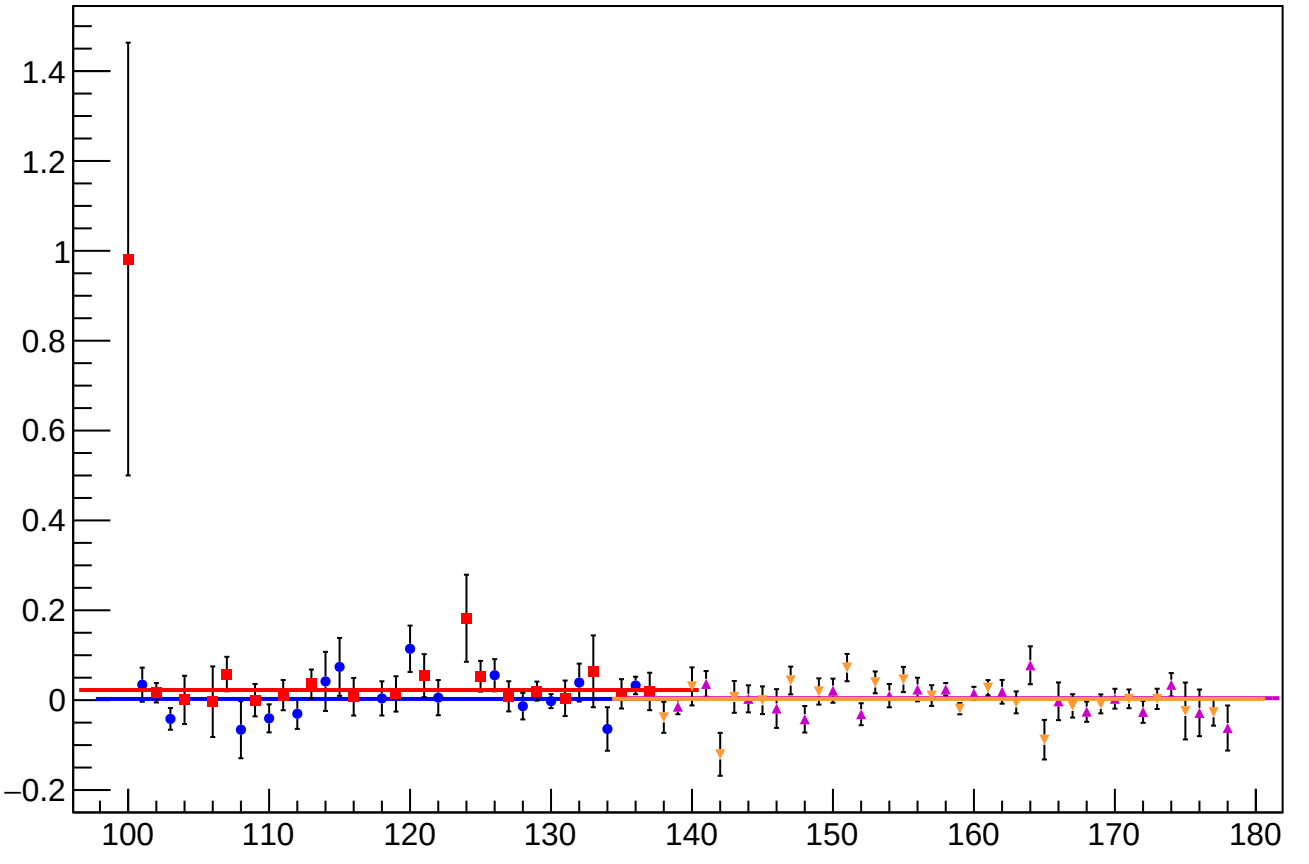
Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 20.024+/-0.004 χ^2/NDF:2634919.6/19

+ sign 19.874+/-0.003 χ^2/NDF: 4515058.4/36

All: 20.063+/-0.002 χ^2/NDF: 8461512.5/75

- sign 20.261+/-0.003 χ^2/NDF: 3939183.0/38



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.005 χ^2/NDF:31.9/20

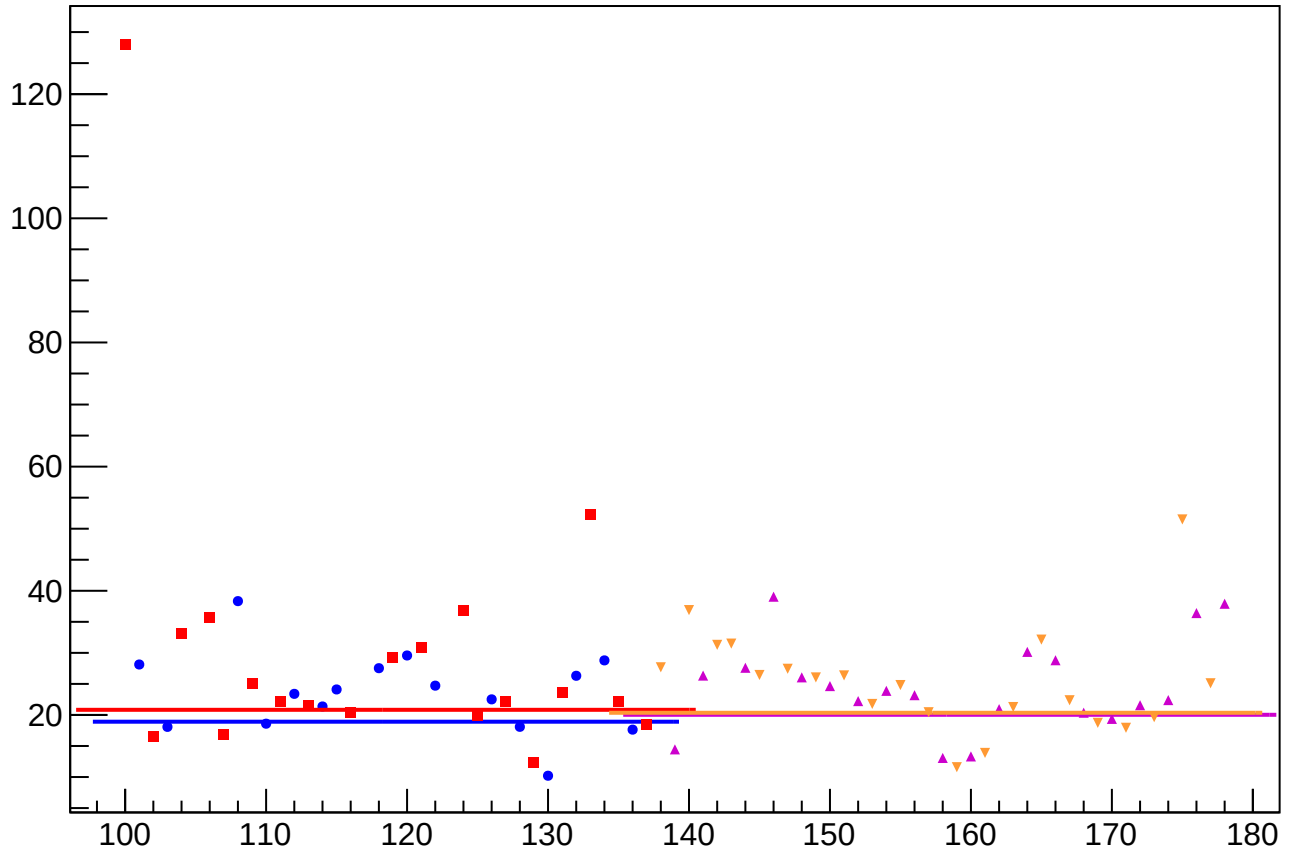
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.004+/-0.005 χ^2/NDF:20.9/19

+ sign 0.003+/-0.004 χ^2/NDF: 53.8/36

All: 0.006+/-0.003 χ^2/NDF: 89.9/75

- sign 0.010+/-0.005 χ^2/NDF: 34.9/38



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 20.350+/-0.004 χ^2/NDF:3079389.7/20

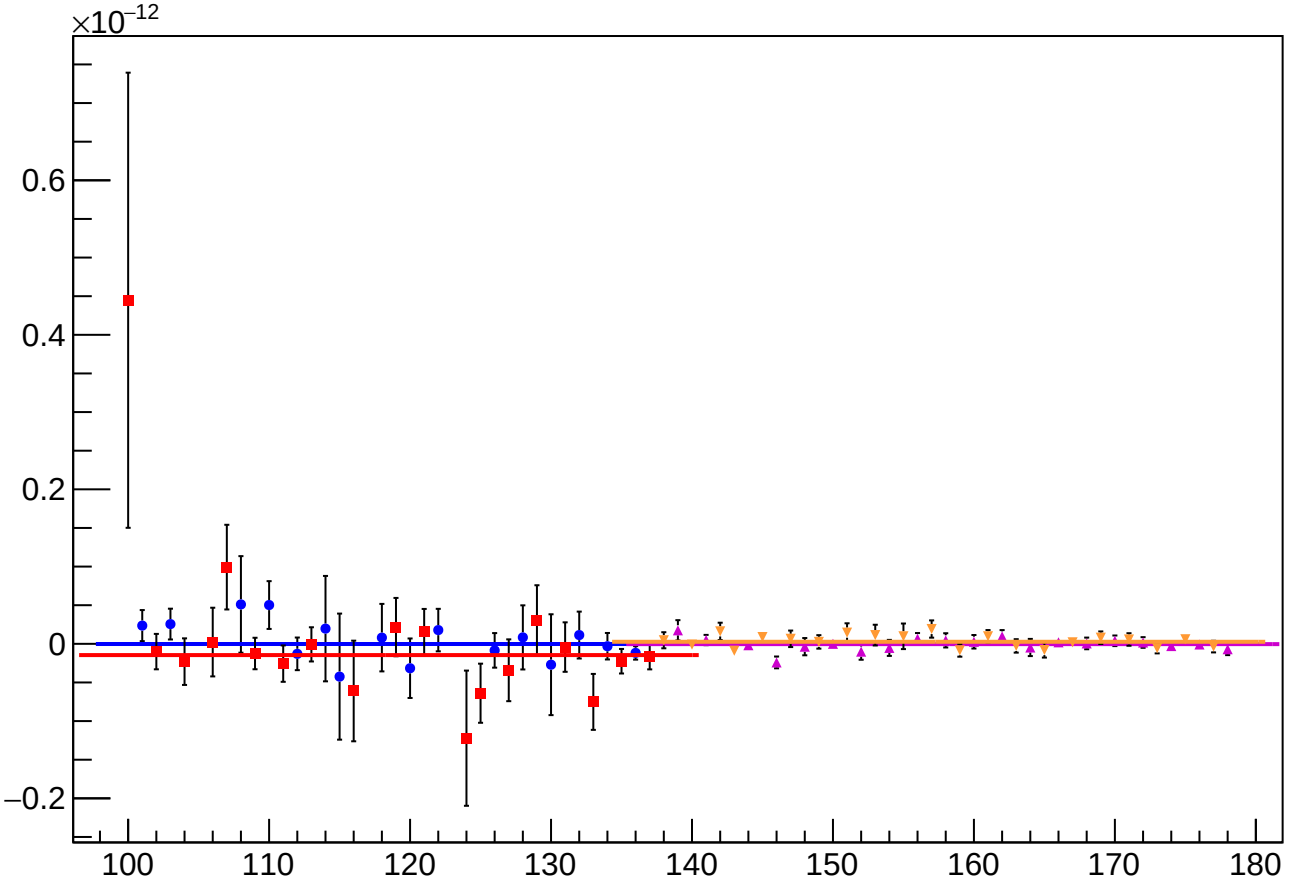
Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 20.024+/-0.004 χ^2/NDF:2634919.6/19

+ sign 19.874+/-0.003 χ^2/NDF: 4515058.4/36

All: 20.063+/-0.002 χ^2/NDF: 8461512.5/75

- sign 20.261+/-0.003 χ^2/NDF: 3939183.0/38



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/20

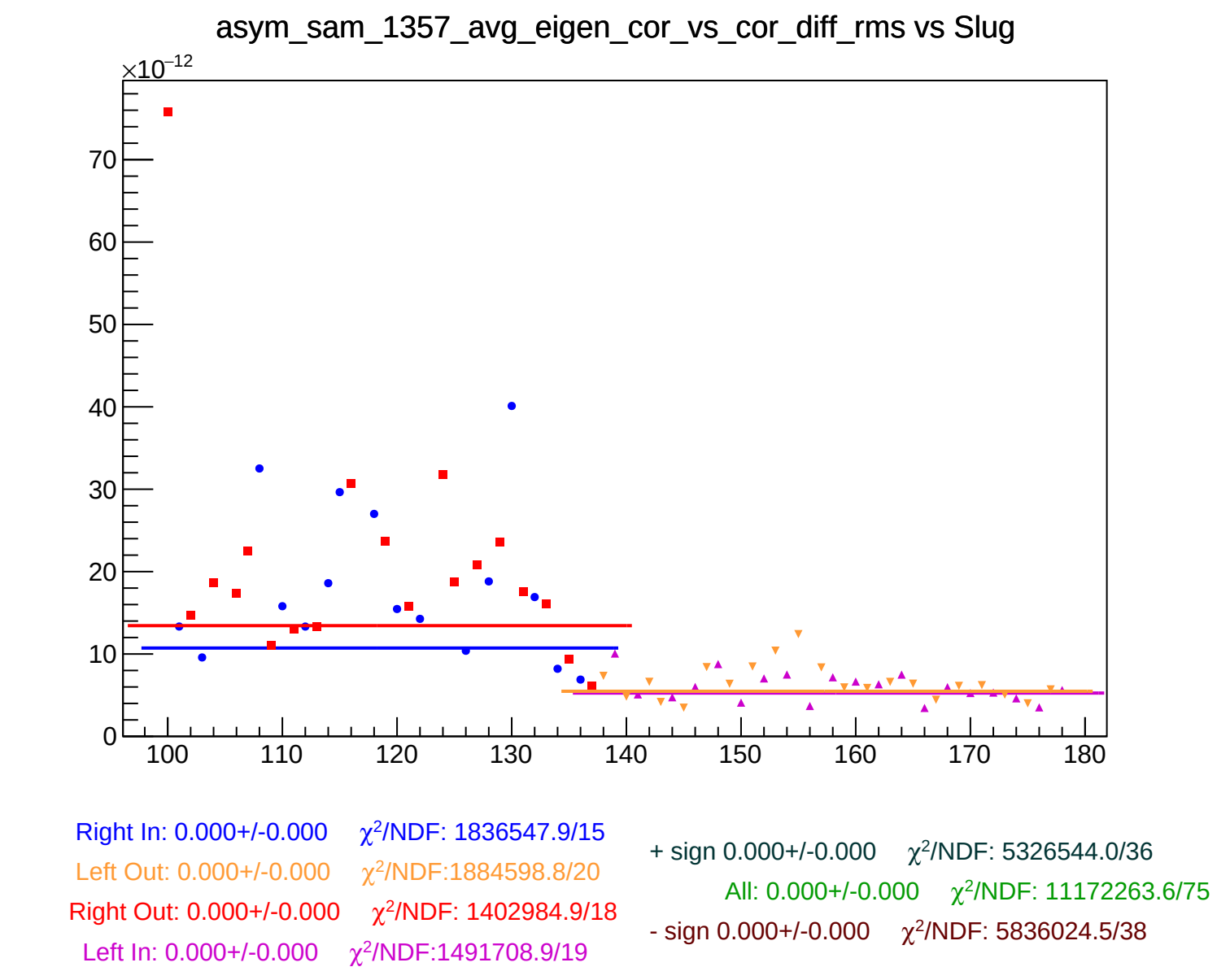
Right Out: -0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: -0.000+/-0.000 χ^2/NDF:17.9/19

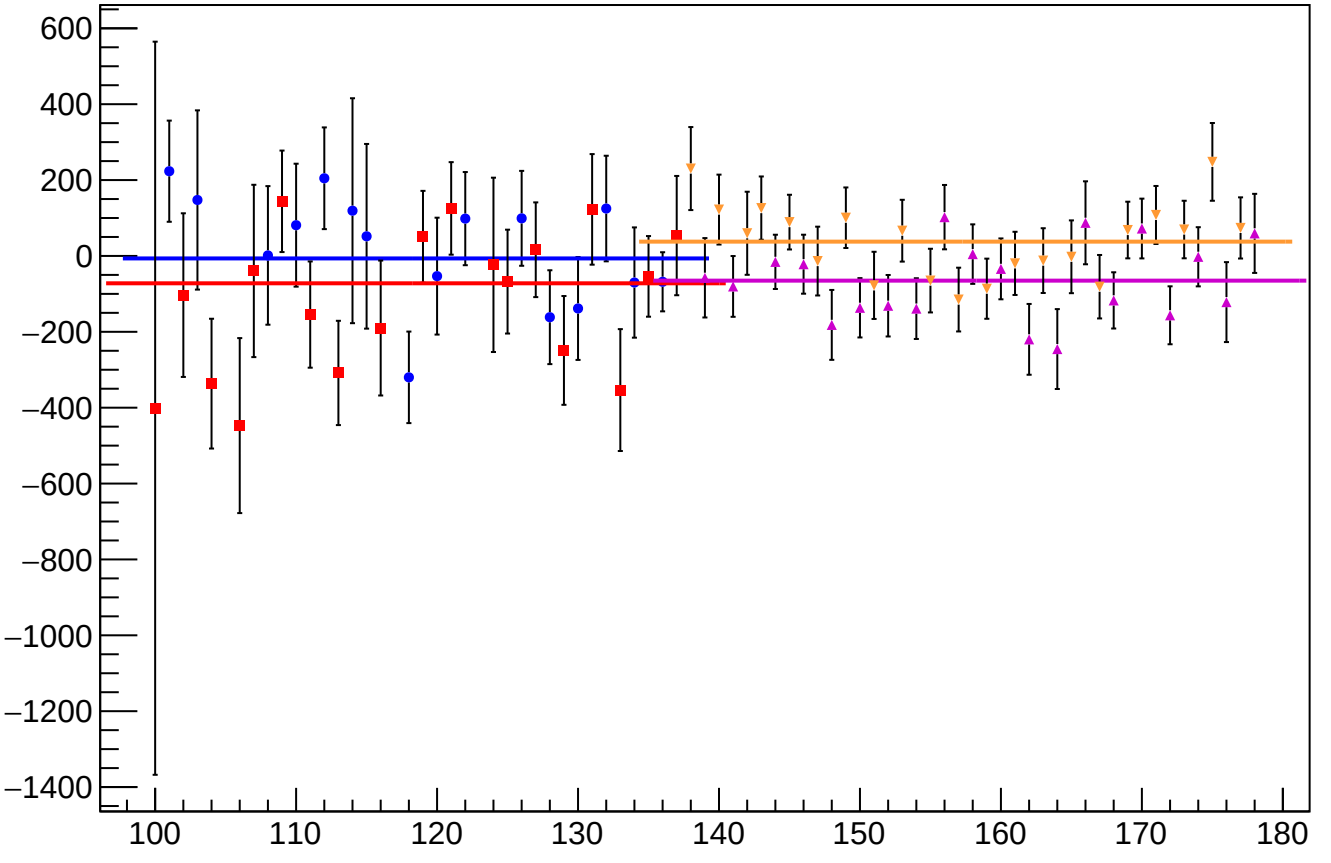
+ sign 0.000+/-0.000 χ^2/NDF: 28.6/36

All: 0.000+/-0.000 χ^2/NDF: 71.1/75

- sign -0.000+/-0.000 χ^2/NDF: 39.9/38


asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1836547.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1884598.8/20
Right Out: 0.000+/-0.000 χ²/NDF: 1402984.9/18
Left In: 0.000+/-0.000 χ²/NDF:1491708.9/19
+ sign 0.000+/-0.000 χ²/NDF: 5326544.0/36
All: 0.000+/-0.000 χ²/NDF: 11172263.6/75
- sign 0.000+/-0.000 χ²/NDF: 5836024.5/38

reg_asym_sam_2468_avg_mean vs Slug



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 37.713+/-18.483 χ^2/NDF:24.2/20

Right Out: -72.124+/-34.883 χ^2/NDF: 22.8/18

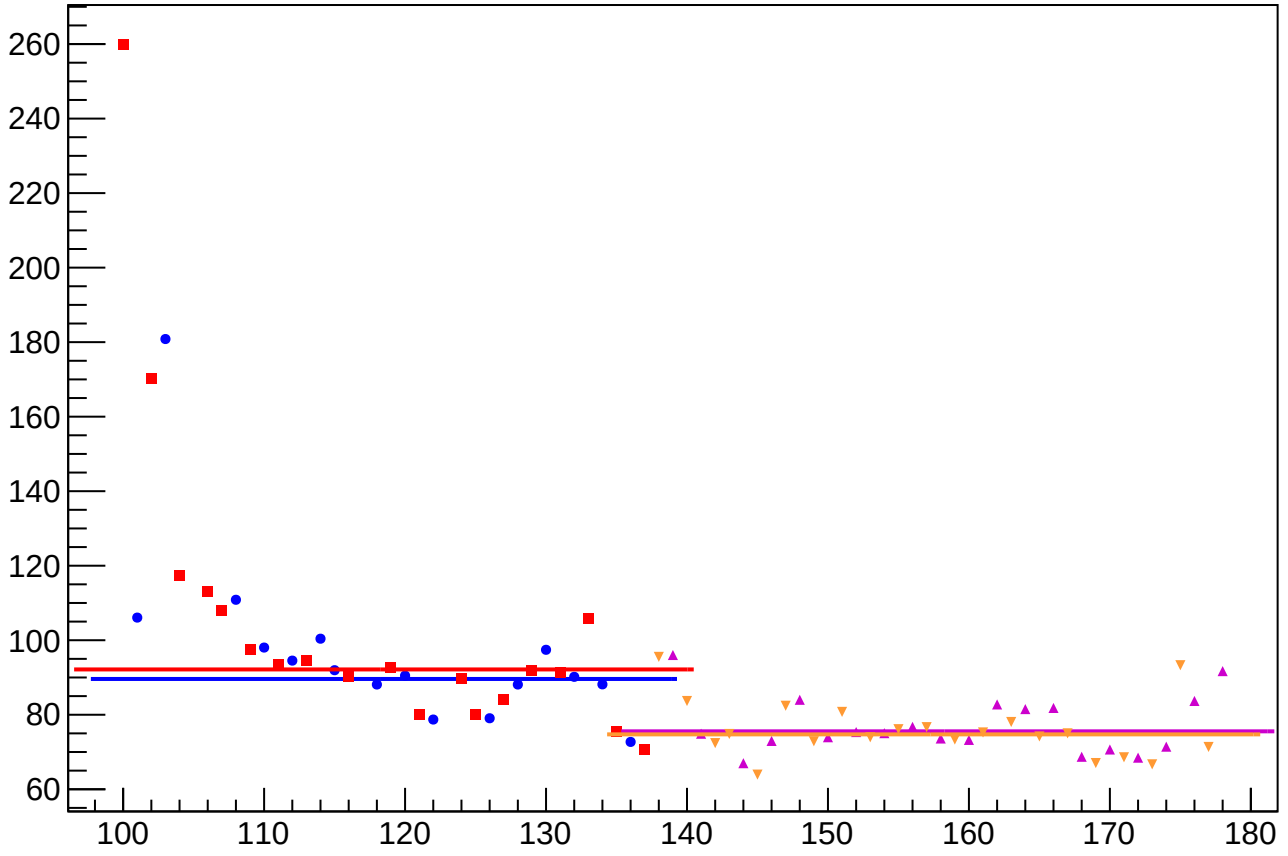
Left In: -65.104+/-18.882 χ^2/NDF:24.6/19

+ sign 27.745+/-16.269 χ^2/NDF: 44.5/36

All: -18.511+/-11.621 χ^2/NDF: 108.4/75

- sign -66.694+/-16.605 χ^2/NDF: 47.4/38

reg_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 74.735+/-0.013 χ^2/NDF:293100.5/20

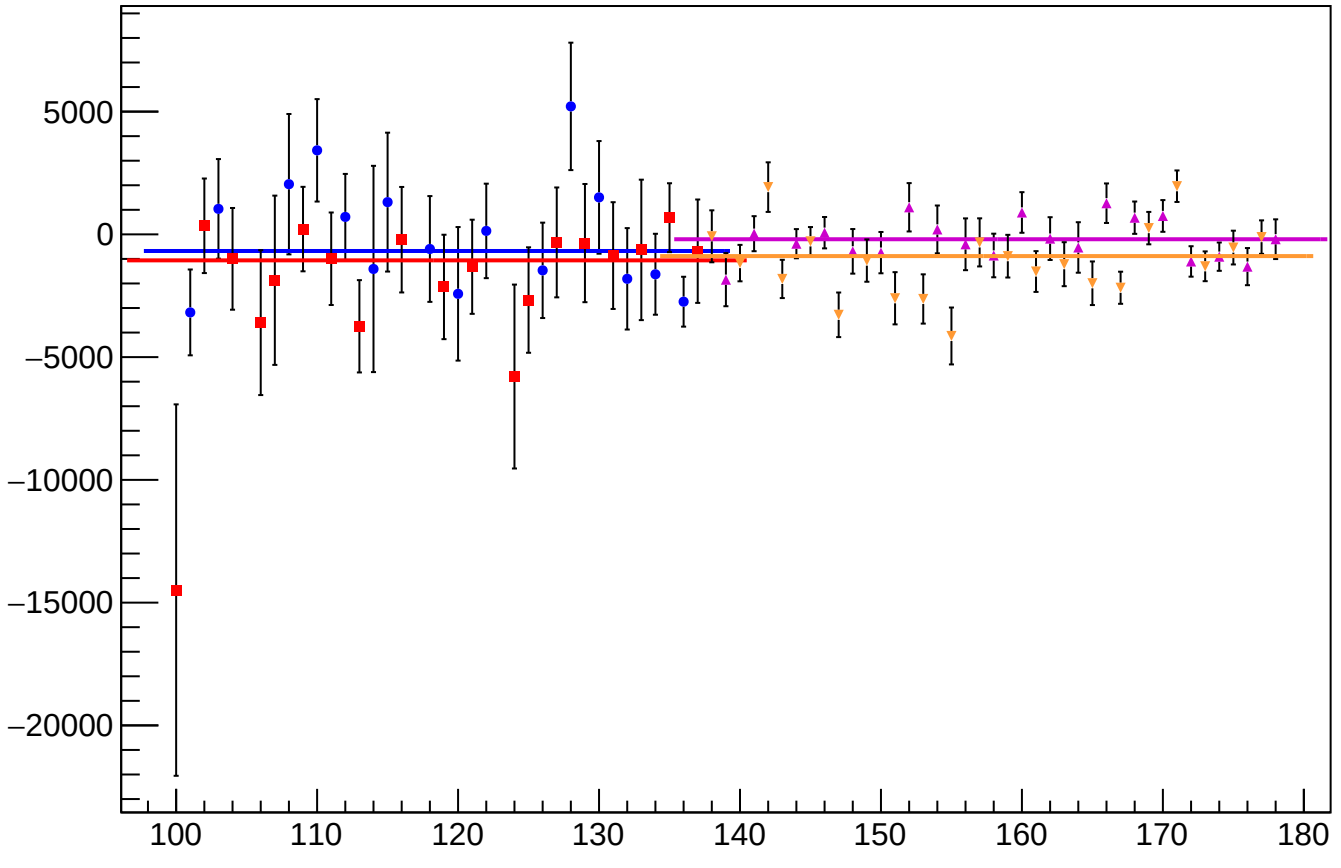
Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 75.550+/-0.013 χ^2/NDF:261043.0/19

+ sign 78.083+/-0.012 χ^2/NDF: 1082926.1/36

All: 78.686+/-0.008 χ^2/NDF: 2242398.1/75

- sign 79.314+/-0.012 χ^2/NDF: 1153859.0/38



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -884.878+/-171.890 χ^2/NDF:62.6/20

Right Out: -1058.761+/-496.350 χ^2/NDF: 11.5/18

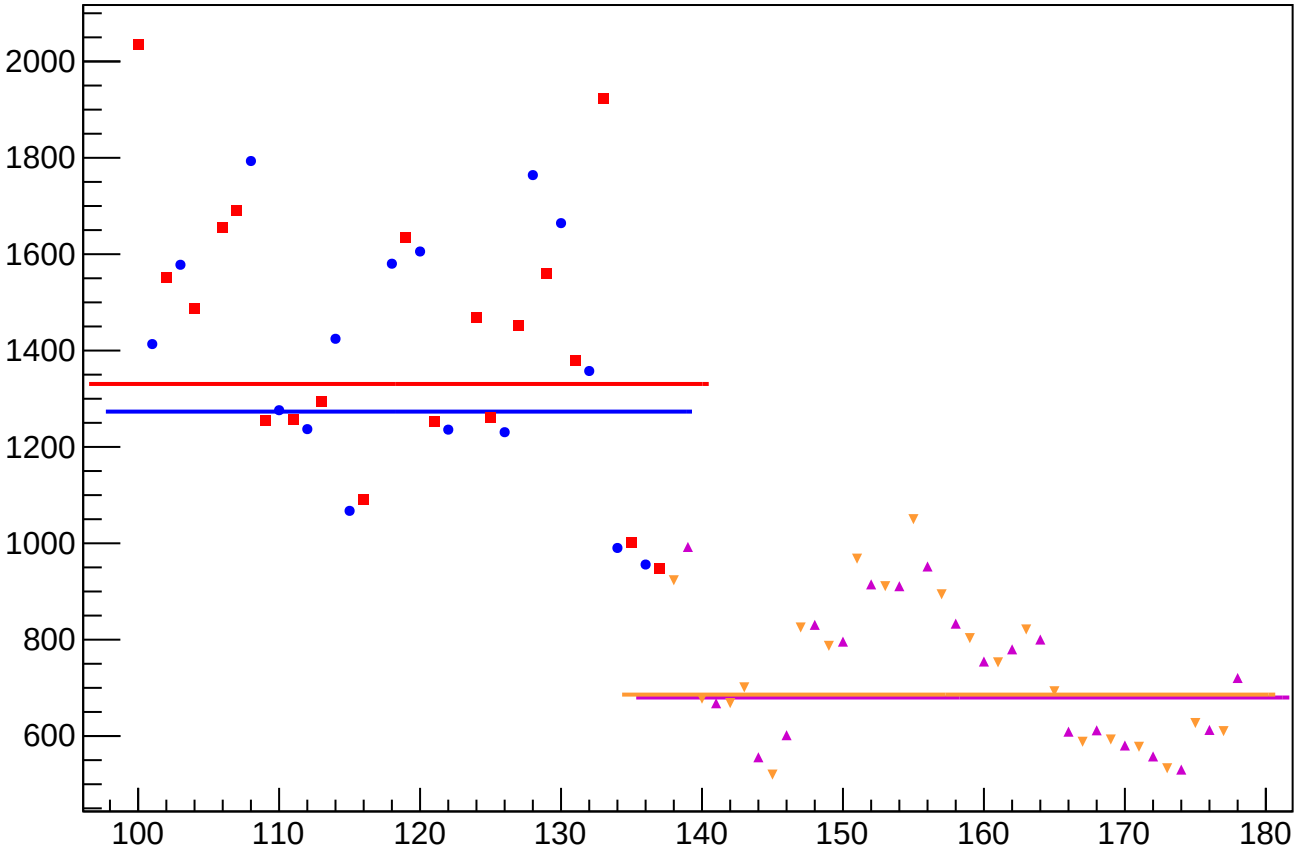
Left In: -198.802+/-171.926 χ^2/NDF:20.8/19

+ sign -861.848+/-162.070 χ^2/NDF: 83.0/36

All: -577.066+/-114.737 χ^2/NDF: 124.2/75

- sign -290.927+/-162.456 χ^2/NDF: 35.0/38

asym_sam_2468_avg_reg_correction_rms vs Slug



Right In: 1273.324+/-0.344 χ^2/NDF: 597520.6/15

Left Out: 686.006+/-0.122 χ^2/NDF:1271576.5/20

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

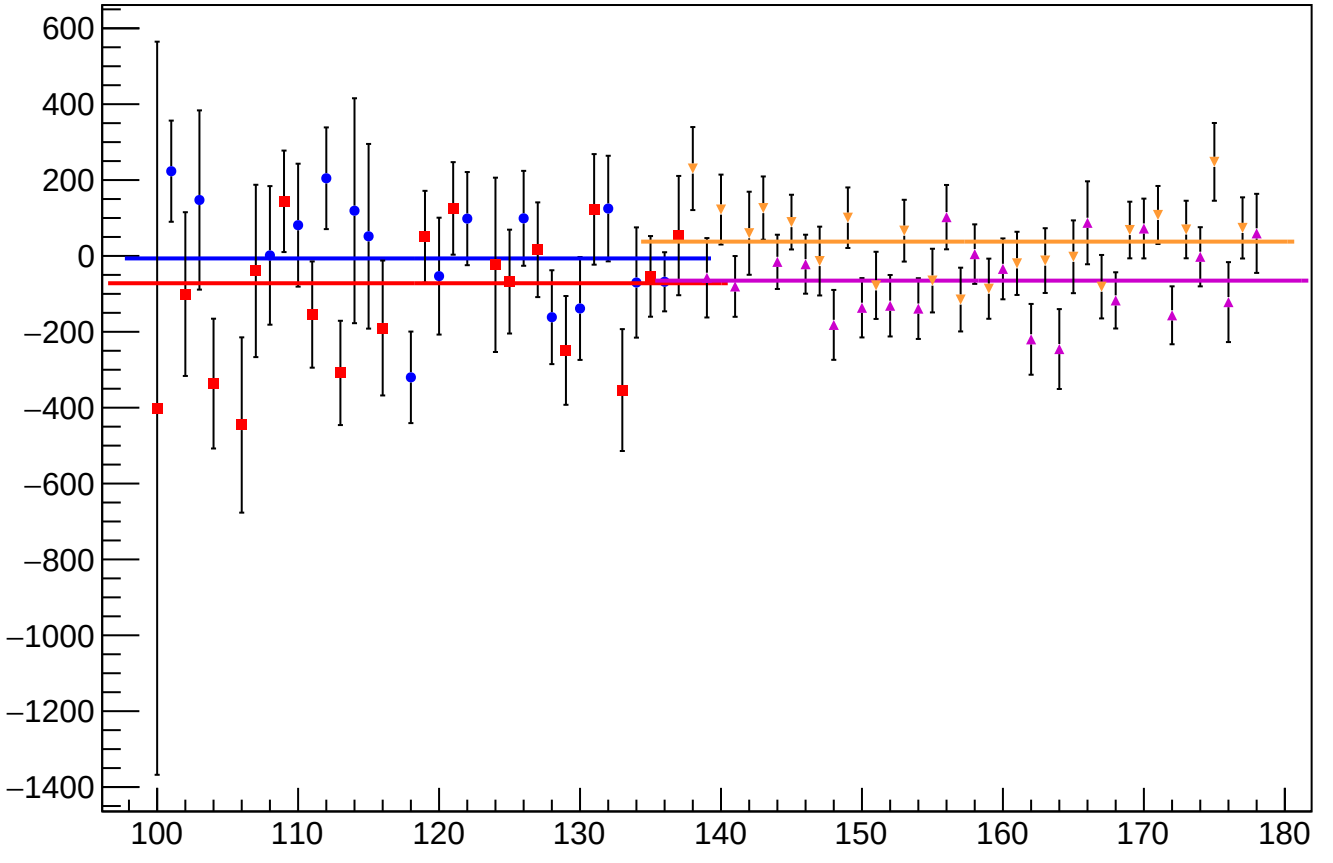
Left In: 679.954+/-0.122 χ^2/NDF:1184126.2/19

+ sign 751.191+/-0.115 χ^2/NDF: 4460620.0/36

All: 750.430+/-0.081 χ^2/NDF: 9184873.6/75

- sign 749.664+/-0.115 χ^2/NDF: 4724165.1/38

cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 37.717+/-18.483 χ^2/NDF:24.2/20

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

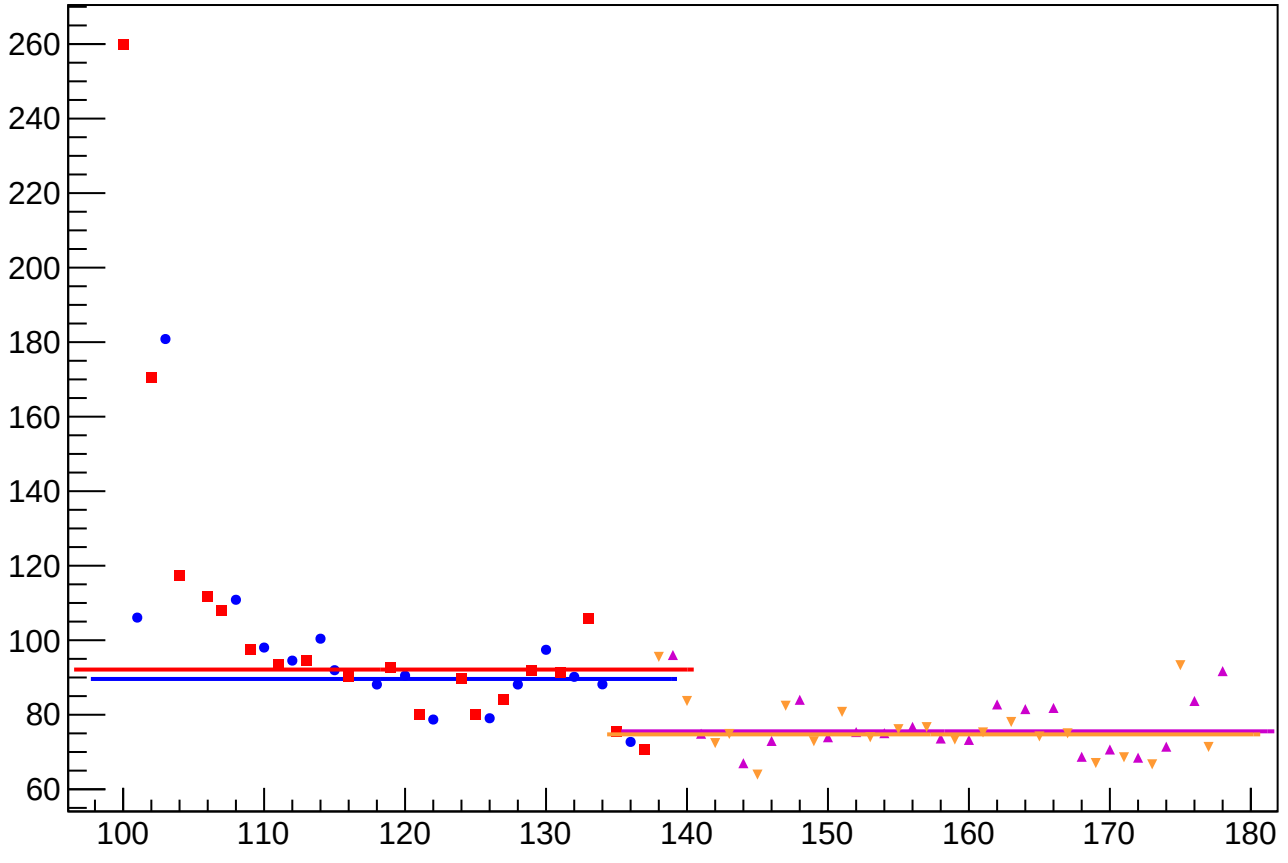
Left In: -65.103+/-18.882 χ^2/NDF:24.6/19

+ sign 27.745+/-16.269 χ^2/NDF: 44.5/36

All: -18.494+/-11.621 χ^2/NDF: 108.3/75

- sign -66.662+/-16.605 χ^2/NDF: 47.4/38

cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 74.735+/-0.013 χ^2/NDF:293100.5/20

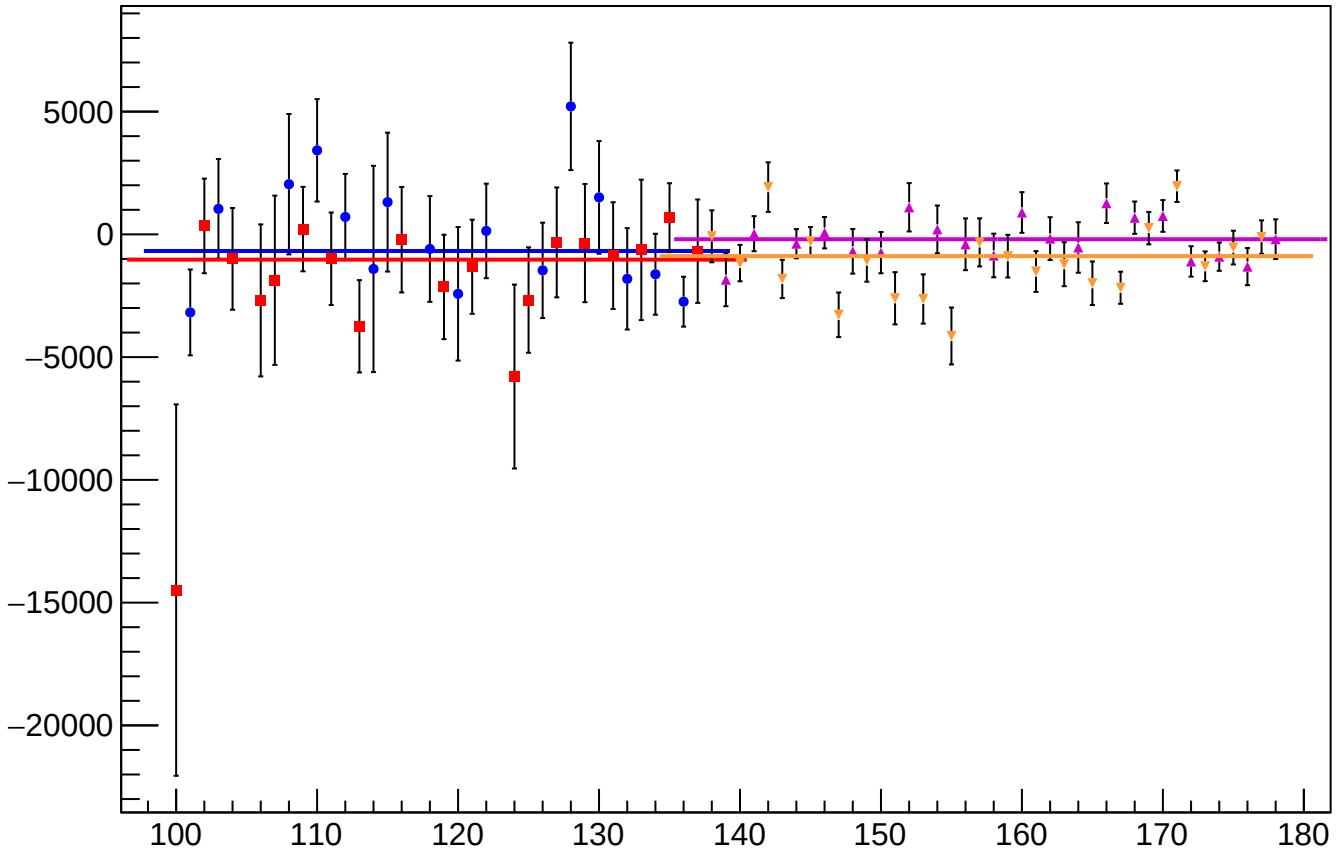
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.550+/-0.013 χ^2/NDF:261043.0/19

+ sign 78.083+/-0.012 χ^2/NDF: 1082929.6/36

All: 78.682+/-0.008 χ^2/NDF: 2239196.1/75

- sign 79.307+/-0.012 χ^2/NDF: 1150722.0/38



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -884.872+/-171.890 χ^2/NDF:62.6/20

Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

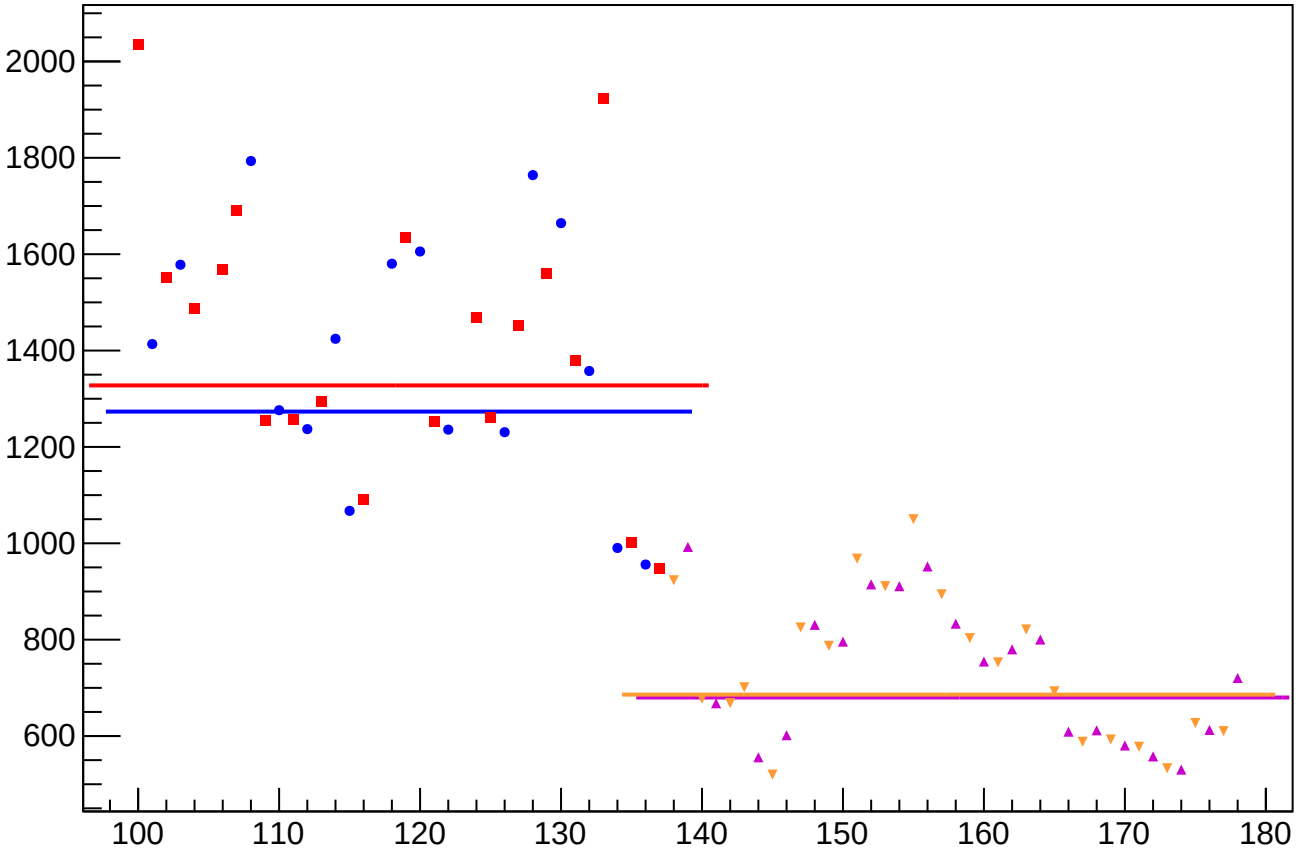
Left In: -198.803+/-171.926 χ^2/NDF:20.8/19

+ sign -861.839+/-162.070 χ^2/NDF: 83.0/36

All: -575.428+/-114.746 χ^2/NDF: 123.6/75

- sign -287.568+/-162.480 χ^2/NDF: 34.3/38

asym_sam_2468_avg_cor_correction_rms vs Slug



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 686.005+/-0.122 χ^2/NDF:1271580.5/20

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

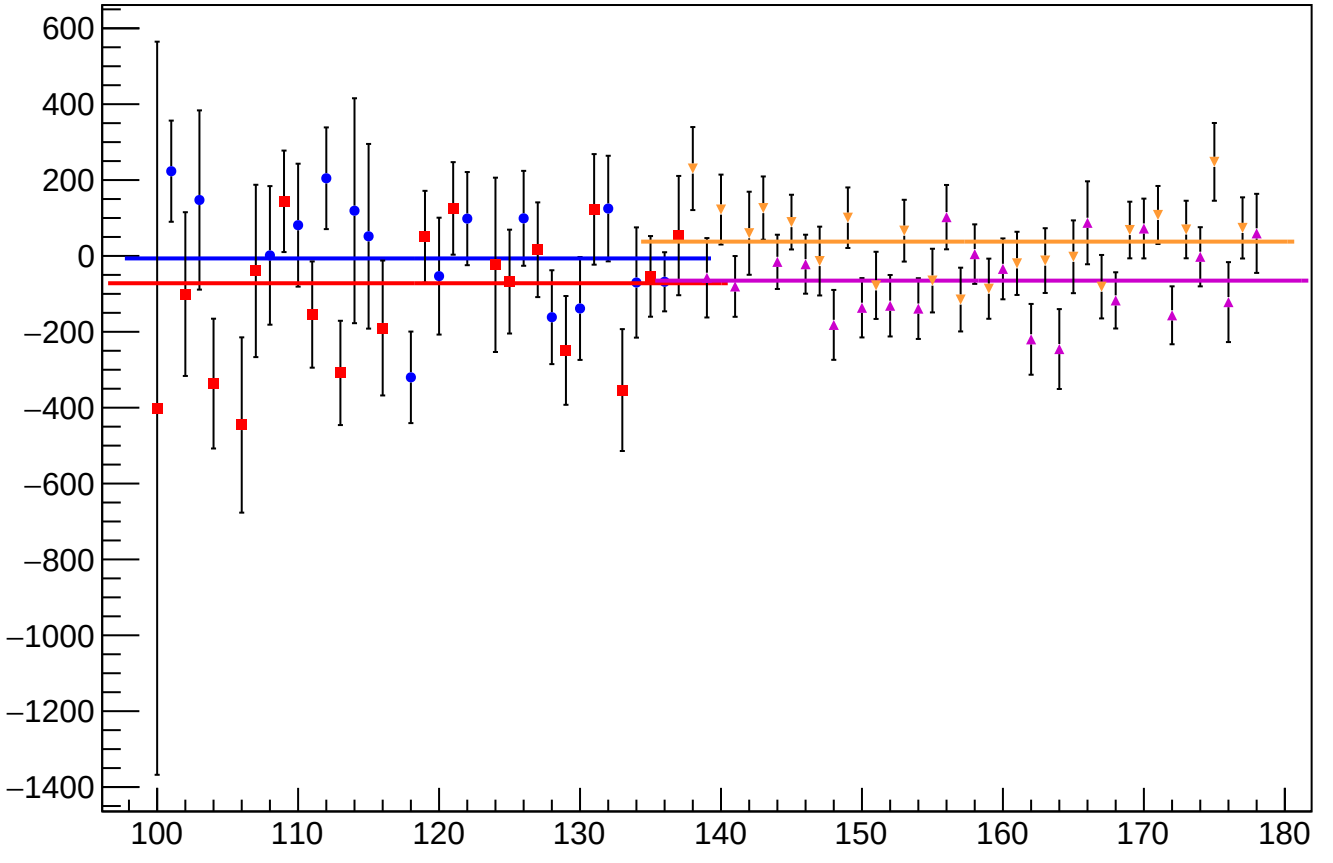
Left In: 679.954+/-0.122 χ^2/NDF:1184124.4/19

\+ sign 751.191+/-0.115 χ^2/NDF: 4460667.1/36

All: 750.185+/-0.081 χ^2/NDF: 9137023.1/75

\- sign 749.174+/-0.115 χ^2/NDF: 4676201.6/38

eigen_cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 37.717+/-18.483 χ^2/NDF:24.2/20

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

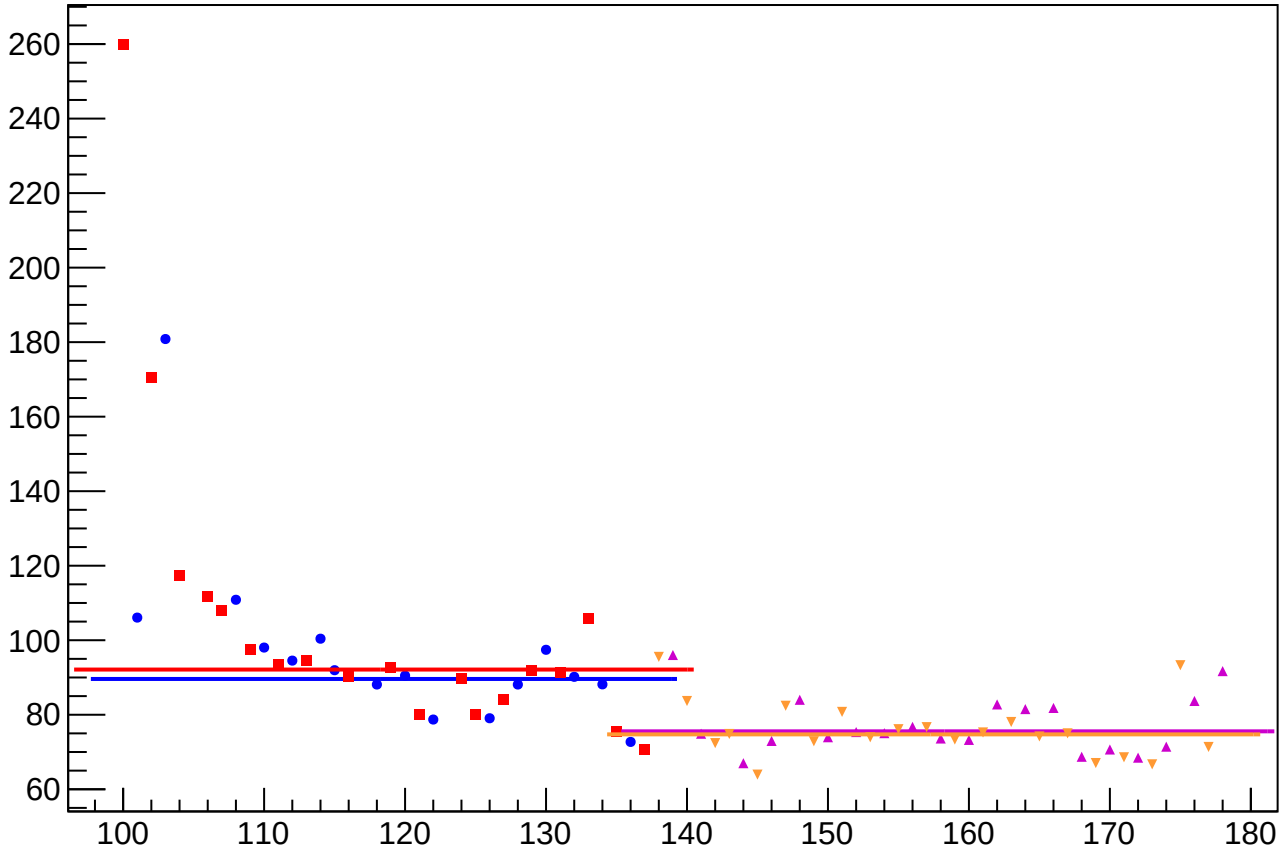
Left In: -65.103+/-18.882 χ^2/NDF:24.6/19

+ sign 27.745+/-16.269 χ^2/NDF: 44.5/36

All: -18.494+/-11.621 χ^2/NDF: 108.3/75

- sign -66.662+/-16.605 χ^2/NDF: 47.4/38

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 74.735+/-0.013 χ^2/NDF:293100.5/20

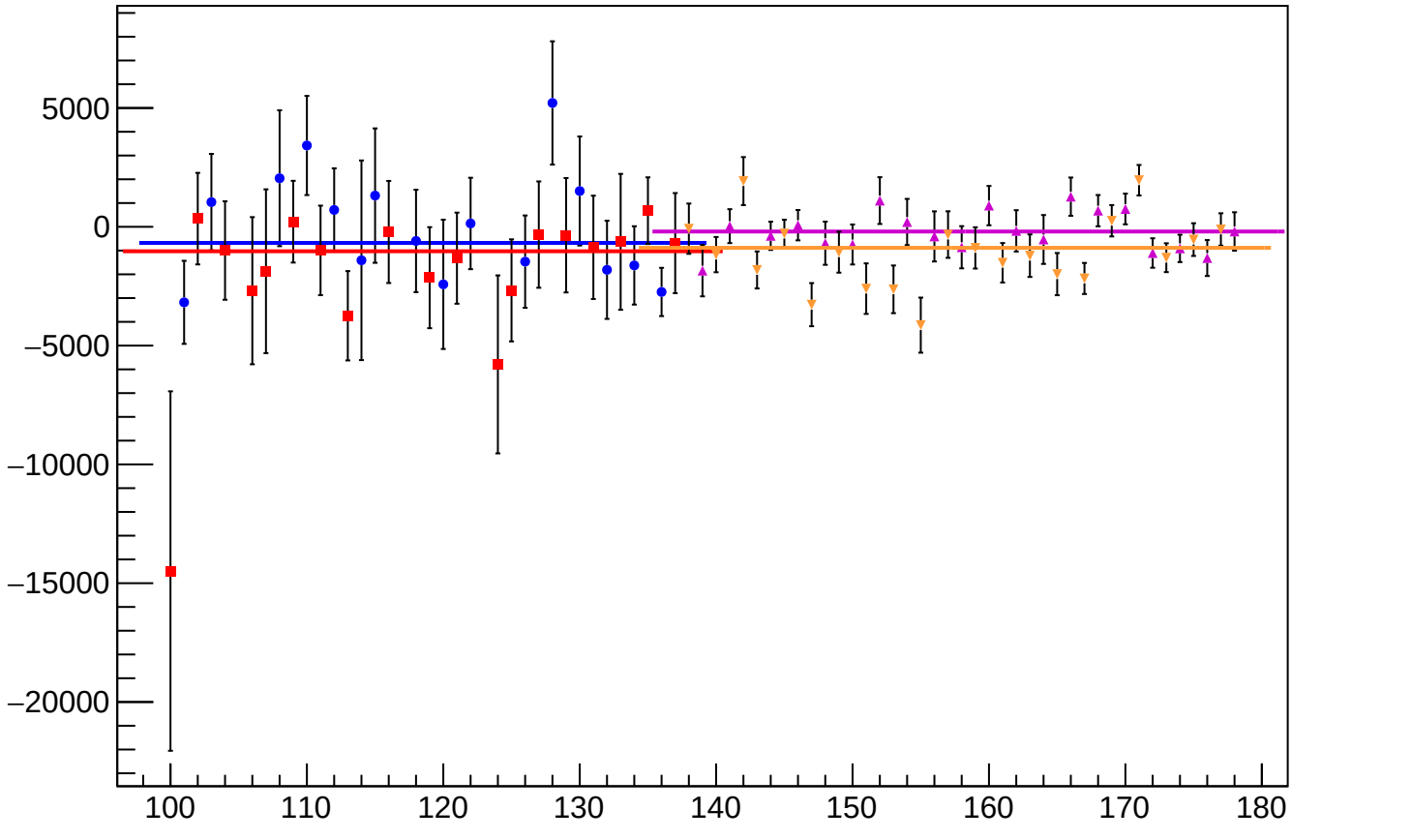
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.550+/-0.013 χ^2/NDF:261043.0/19

+ sign 78.083+/-0.012 χ^2/NDF: 1082929.6/36

All: 78.682+/-0.008 χ^2/NDF: 2239196.1/75

- sign 79.307+/-0.012 χ^2/NDF: 1150722.0/38



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -884.872+/-171.890 χ^2/NDF:62.6/20

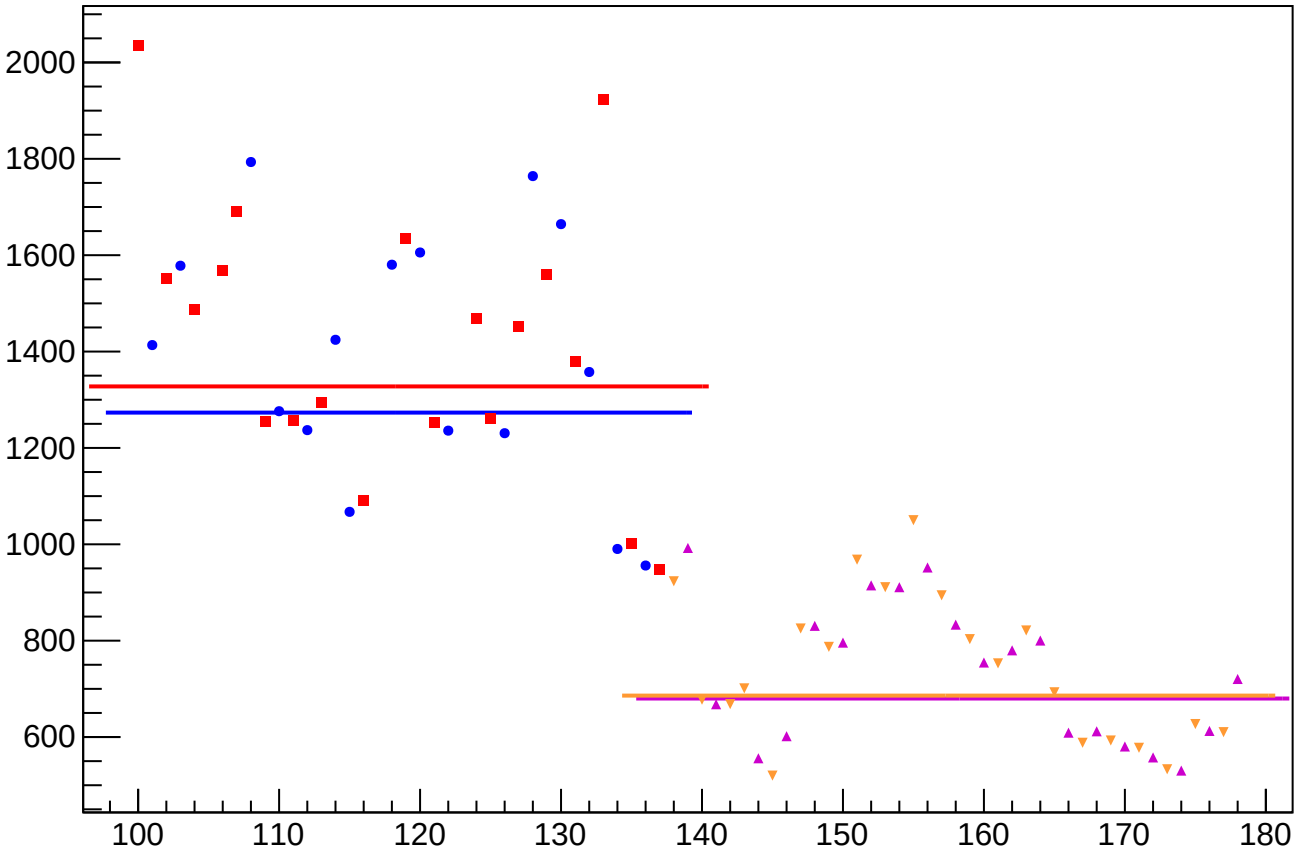
Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: -198.803+/-171.926 χ^2/NDF:20.8/19

+ sign -861.839+/-162.070 χ^2/NDF: 83.0/36

All: -575.428+/-114.746 χ^2/NDF: 123.6/75

- sign -287.568+/-162.480 χ^2/NDF: 34.3/38



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 686.005+/-0.122 χ^2/NDF:1271580.5/20

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

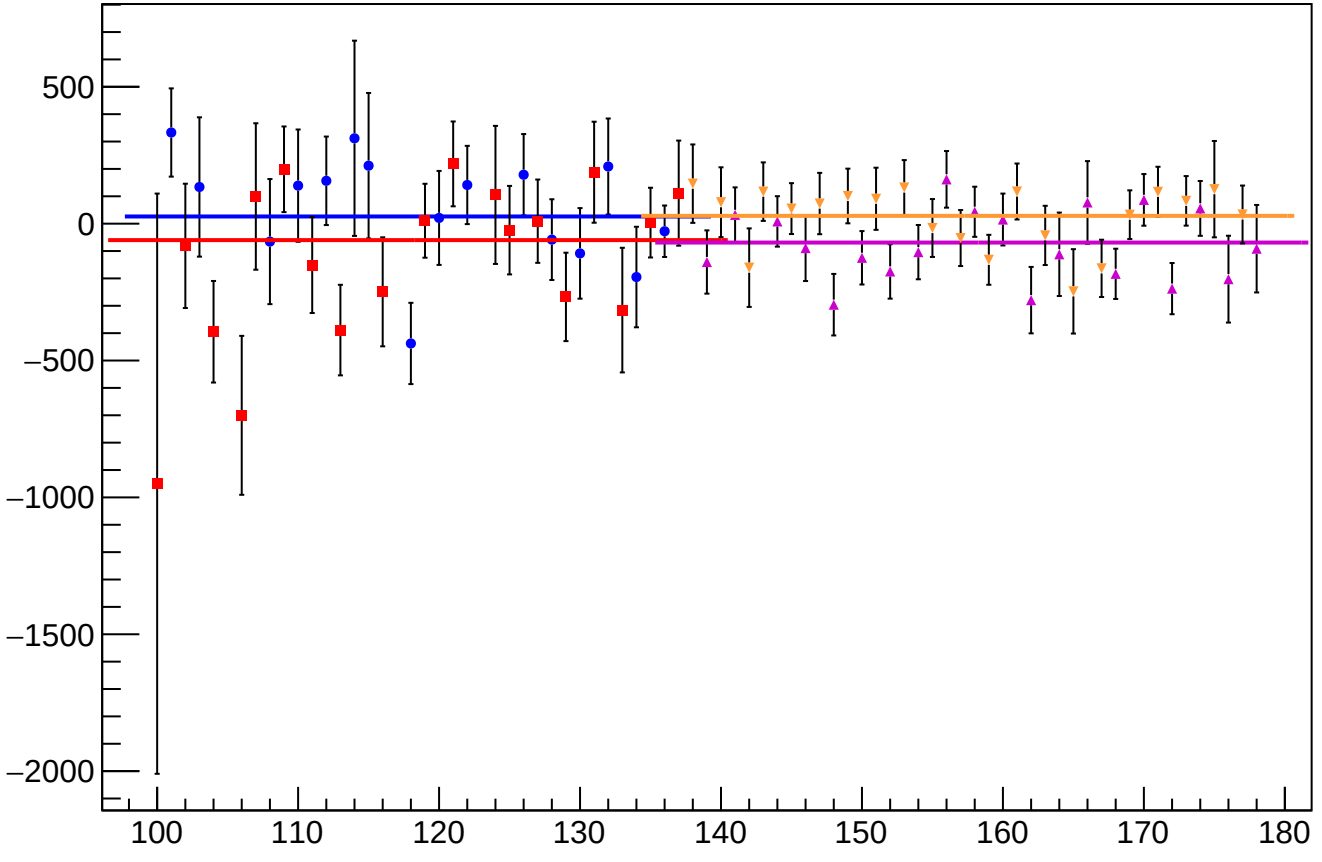
Left In: 679.954+/-0.122 χ^2/NDF:1184124.4/19

+ sign 751.191+/-0.115 χ^2/NDF: 4460667.1/36

All: 750.185+/-0.081 χ^2/NDF: 9137023.1/75

- sign 749.174+/-0.115 χ^2/NDF: 4676201.6/38

dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 28.550+/-23.386 χ^2/NDF:18.6/20

Right Out: -60.119+/-41.528 χ^2/NDF: 27.0/18

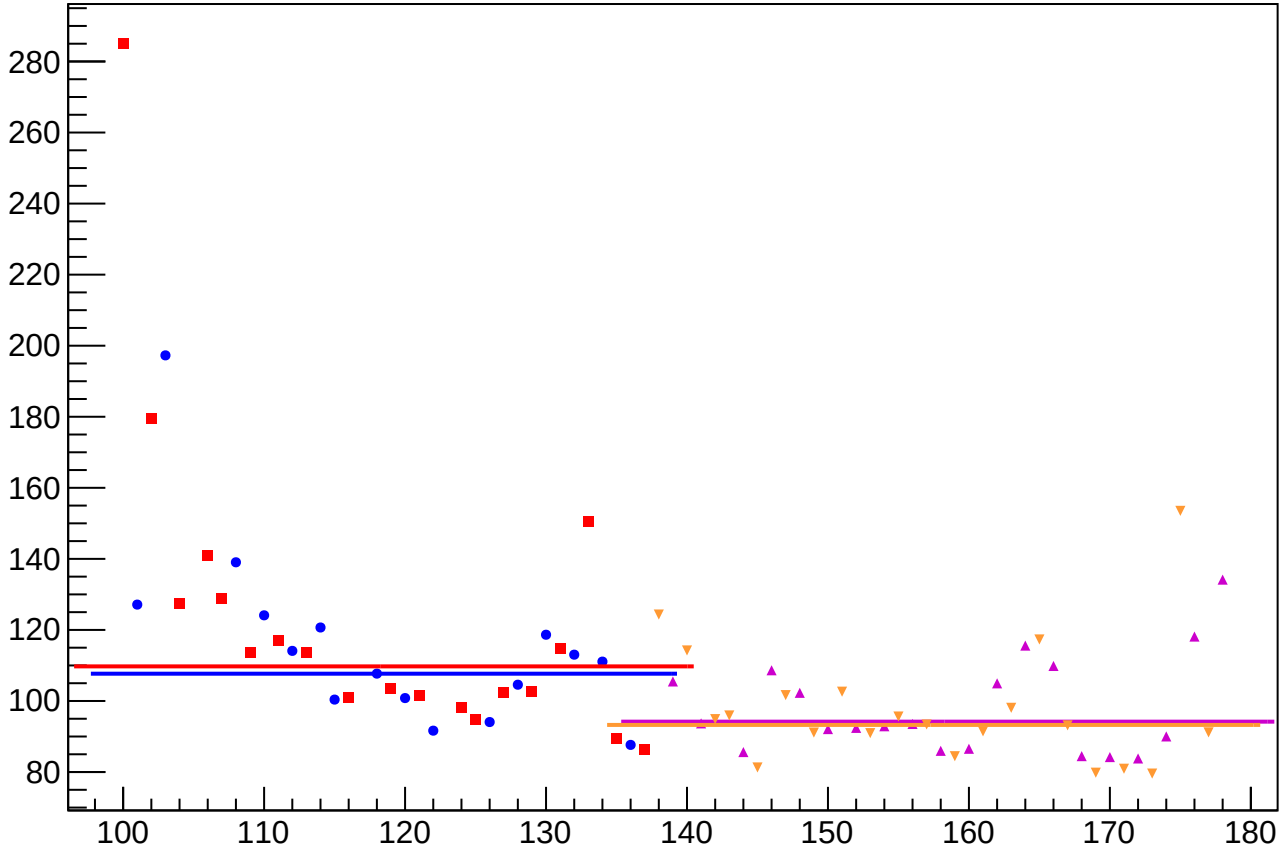
Left In: -69.017+/-23.897 χ^2/NDF:28.9/19

+ sign 27.990+/-20.340 χ^2/NDF: 40.0/36

All: -18.547+/-14.513 χ^2/NDF: 106.6/75

- sign -66.804+/-20.713 χ^2/NDF: 55.9/38

dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 93.262+/-0.017 χ^2/NDF:645453.1/20

Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

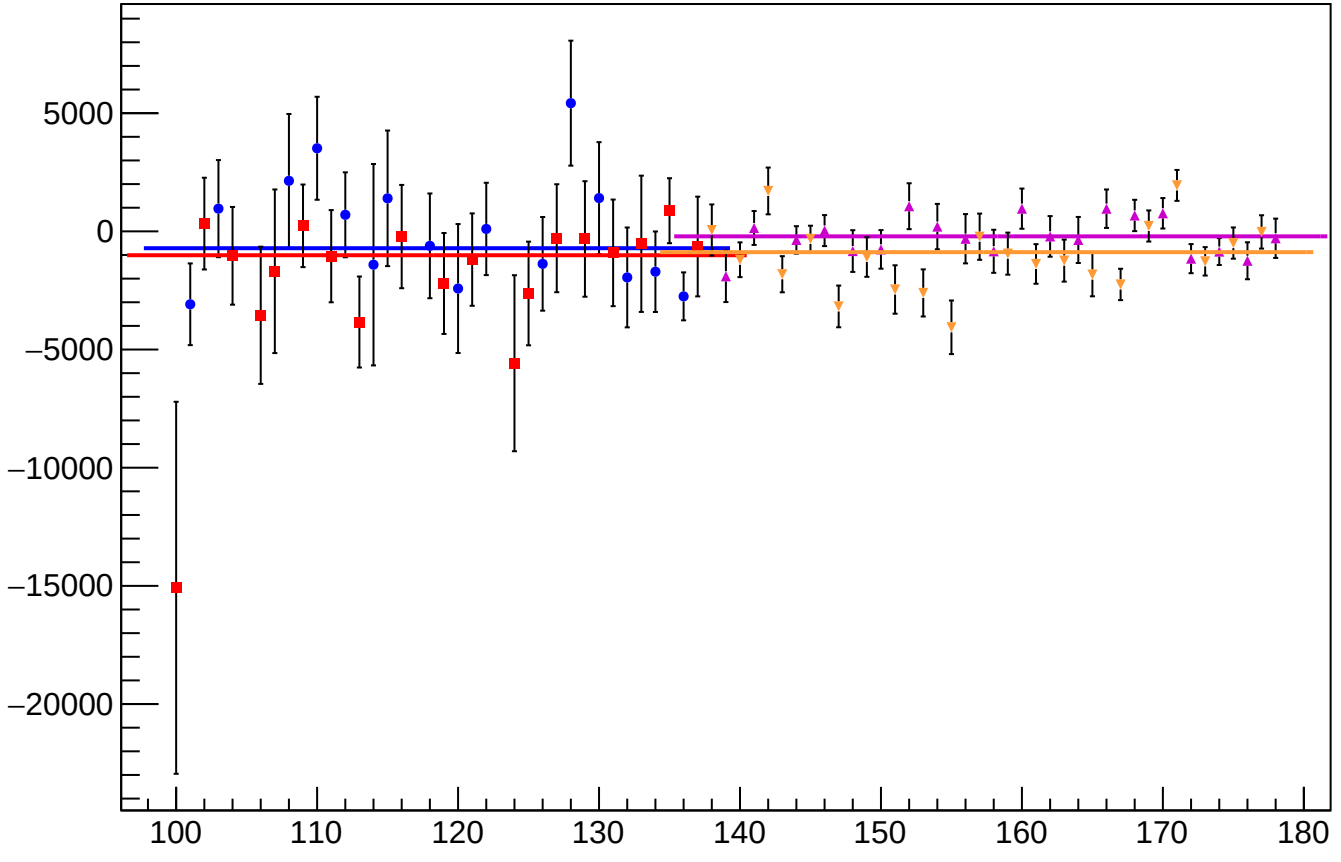
Left In: 94.182+/-0.017 χ^2/NDF:427047.3/19

+ sign 96.773+/-0.014 χ^2/NDF: 1313689.4/36

All: 97.401+/-0.010 χ^2/NDF: 2447264.6/75

- sign 98.052+/-0.015 χ^2/NDF: 1129689.5/38

asym_sam_2468_avg_dit_correction_mean vs Slug



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -879.834+/-170.826 χ^2/NDF:60.4/20

Right Out: -1010.557+/-501.374 χ^2/NDF: 11.8/18

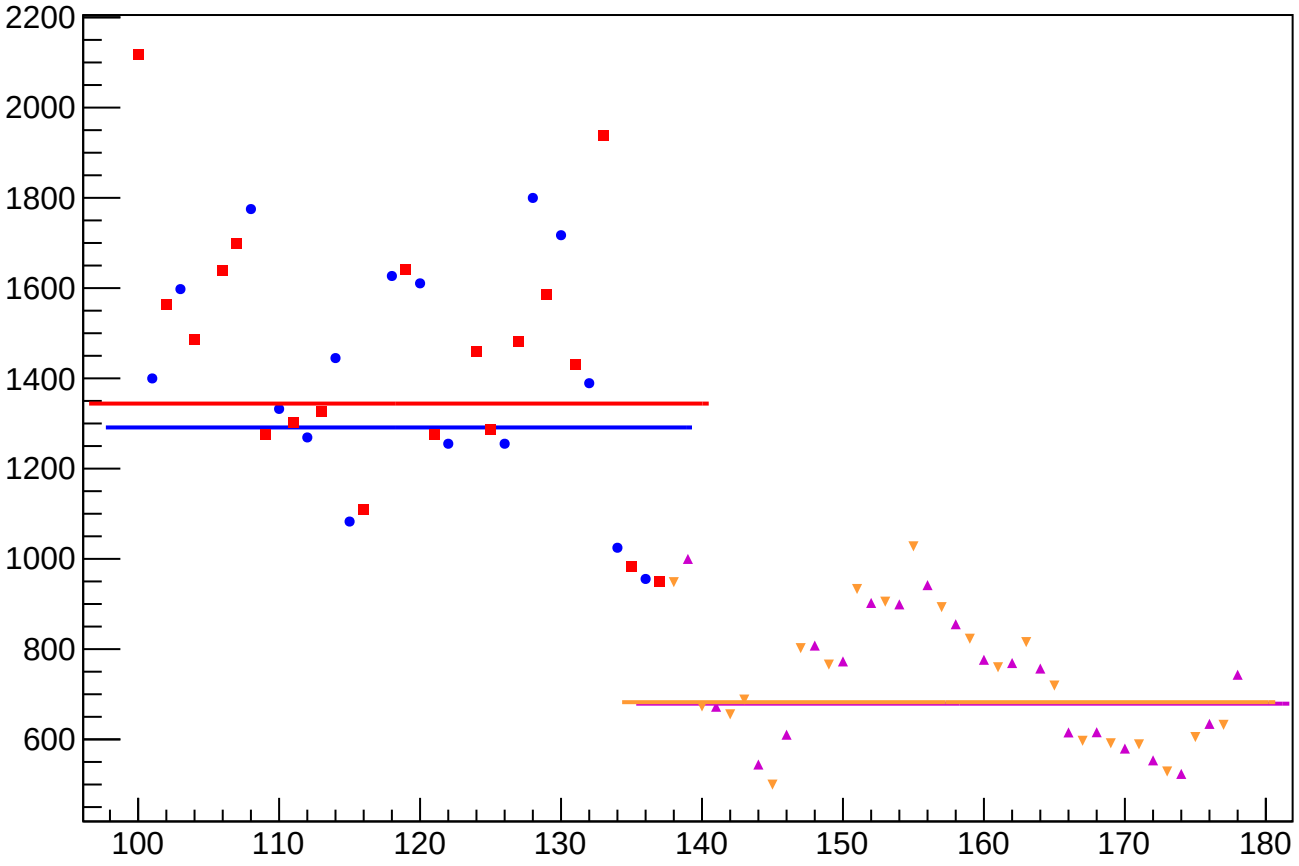
Left In: -211.380+/-171.700 χ^2/NDF:19.7/19

\+ sign -861.955+/-161.420 χ^2/NDF: 80.6/36

All: -580.394+/-114.500 χ^2/NDF: 120.4/75

\- sign -295.268+/-162.439 χ^2/NDF: 33.7/38

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

Left Out: 682.435+/-0.121 χ^2/NDF:1287623.4/20

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

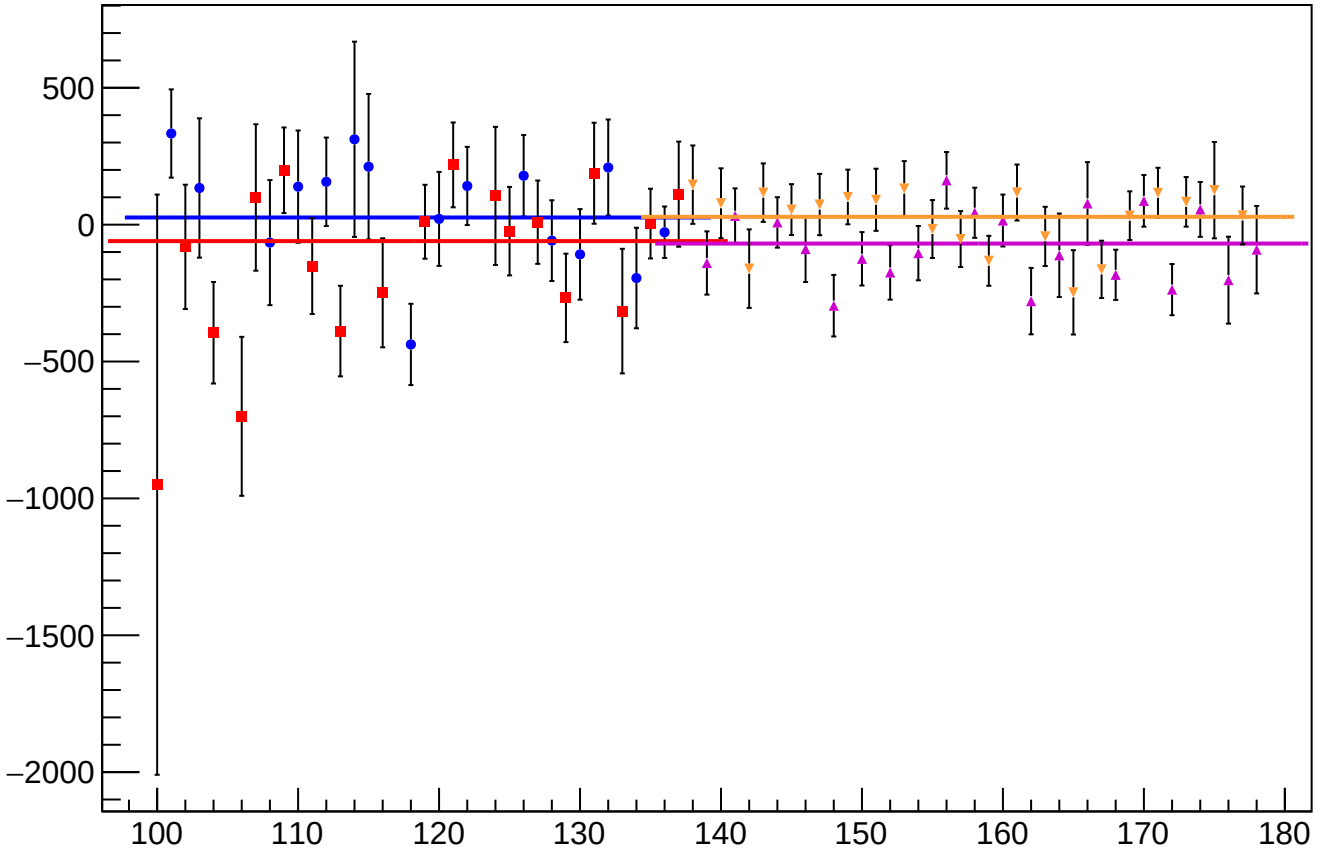
Left In: 679.128+/-0.121 χ^2/NDF:1174622.0/19

+ sign 747.634+/-0.114 χ^2/NDF: 4618888.7/36

All: 748.278+/-0.081 χ^2/NDF: 9433557.3/75

- sign 748.931+/-0.115 χ^2/NDF: 4814604.5/38

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 28.550+/-23.386 χ^2/NDF:18.6/20

Right Out: -60.117+/-41.528 χ^2/NDF: 27.0/18

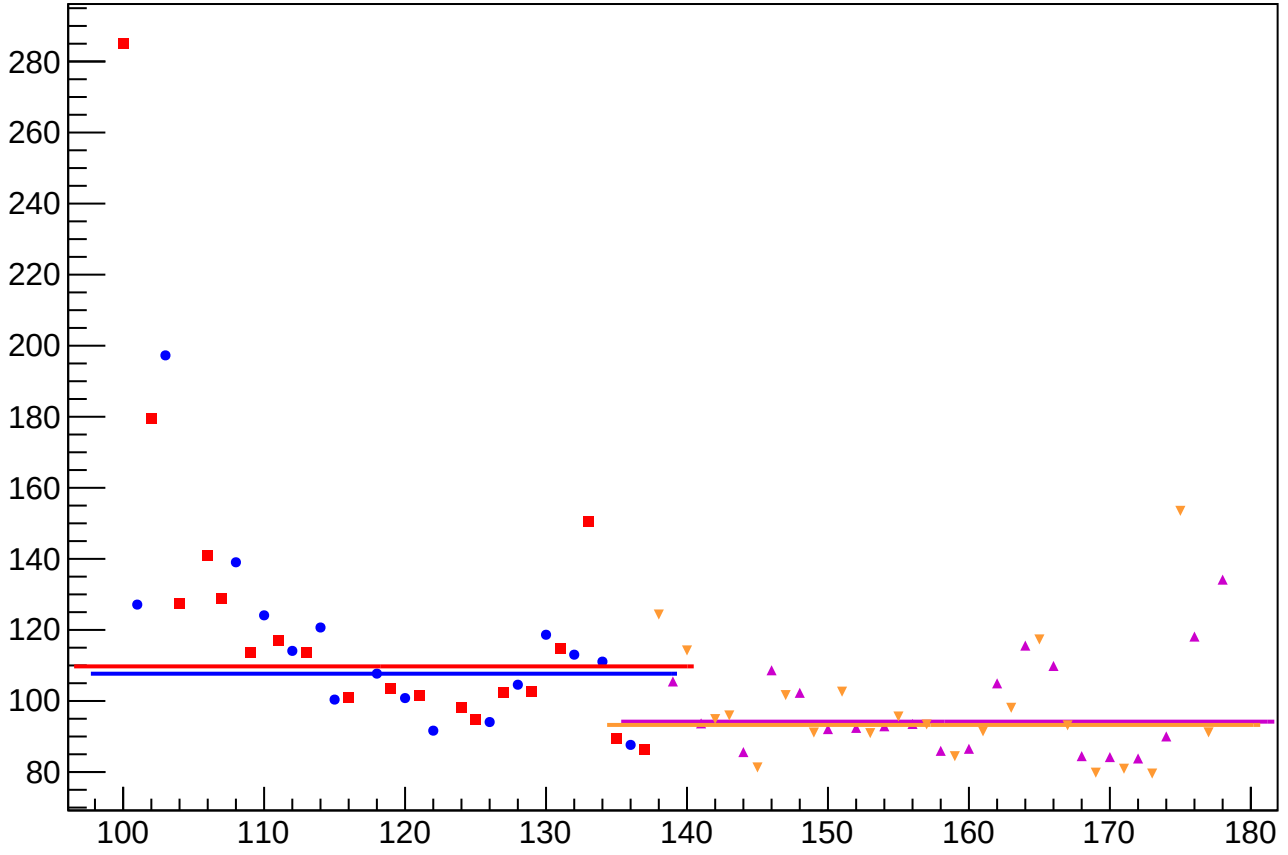
Left In: -69.016+/-23.898 χ^2/NDF:28.9/19

+ sign 27.991+/-20.340 χ^2/NDF: 40.0/36

All: -18.546+/-14.513 χ^2/NDF: 106.6/75

- sign -66.802+/-20.713 χ^2/NDF: 55.9/38

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.679+/-0.029 χ^2/NDF: 483112.2/15

Left Out: 93.262+/-0.017 χ^2/NDF:645447.8/20

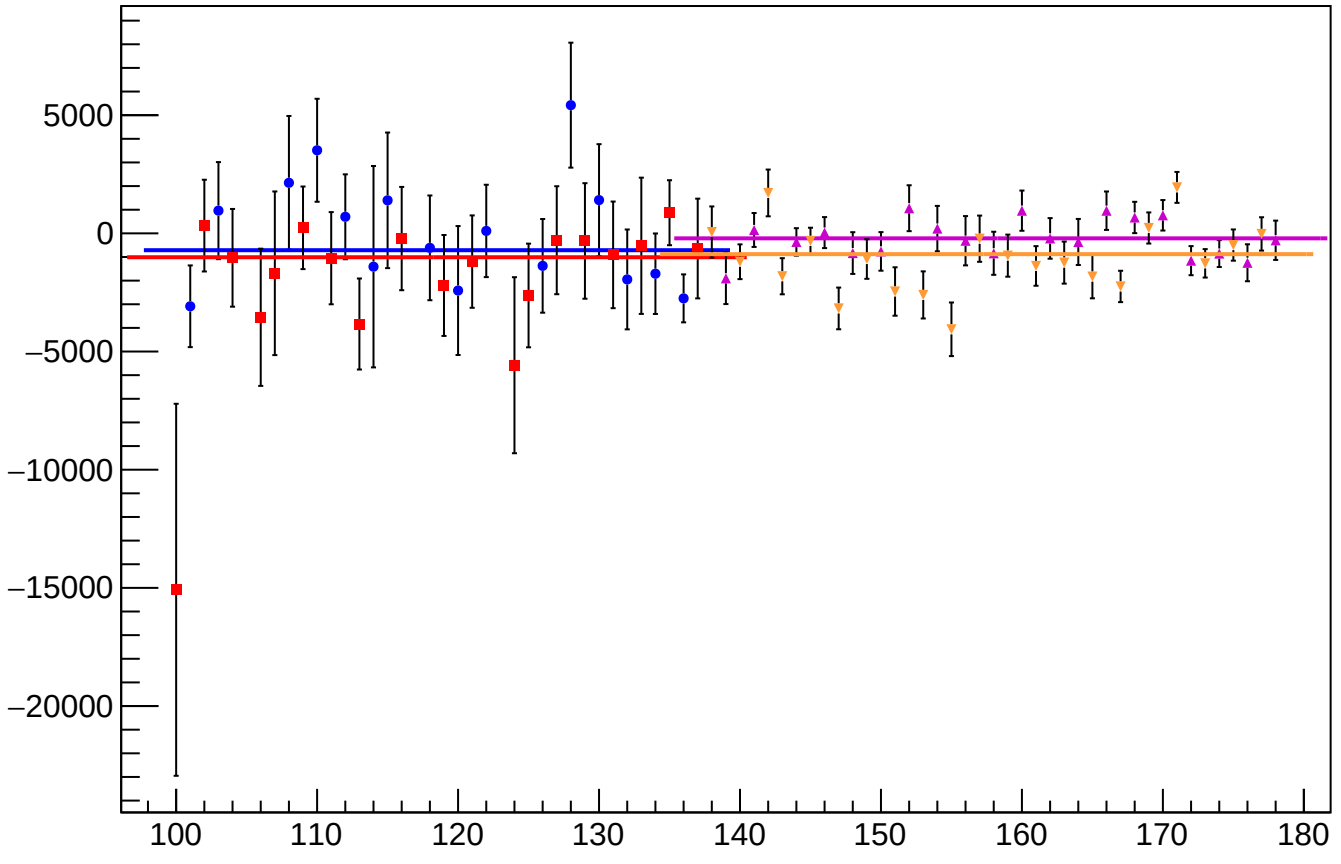
Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

Left In: 94.182+/-0.017 χ^2/NDF:427045.2/19

+ sign 96.773+/-0.014 χ^2/NDF: 1313646.1/36

All: 97.401+/-0.010 χ^2/NDF: 2447192.9/75

- sign 98.052+/-0.015 χ^2/NDF: 1129660.9/38



Right In: -712.881+/-493.252 χ^2/NDF: 20.1/15

Left Out: -879.832+/-170.826 χ^2/NDF:60.4/20

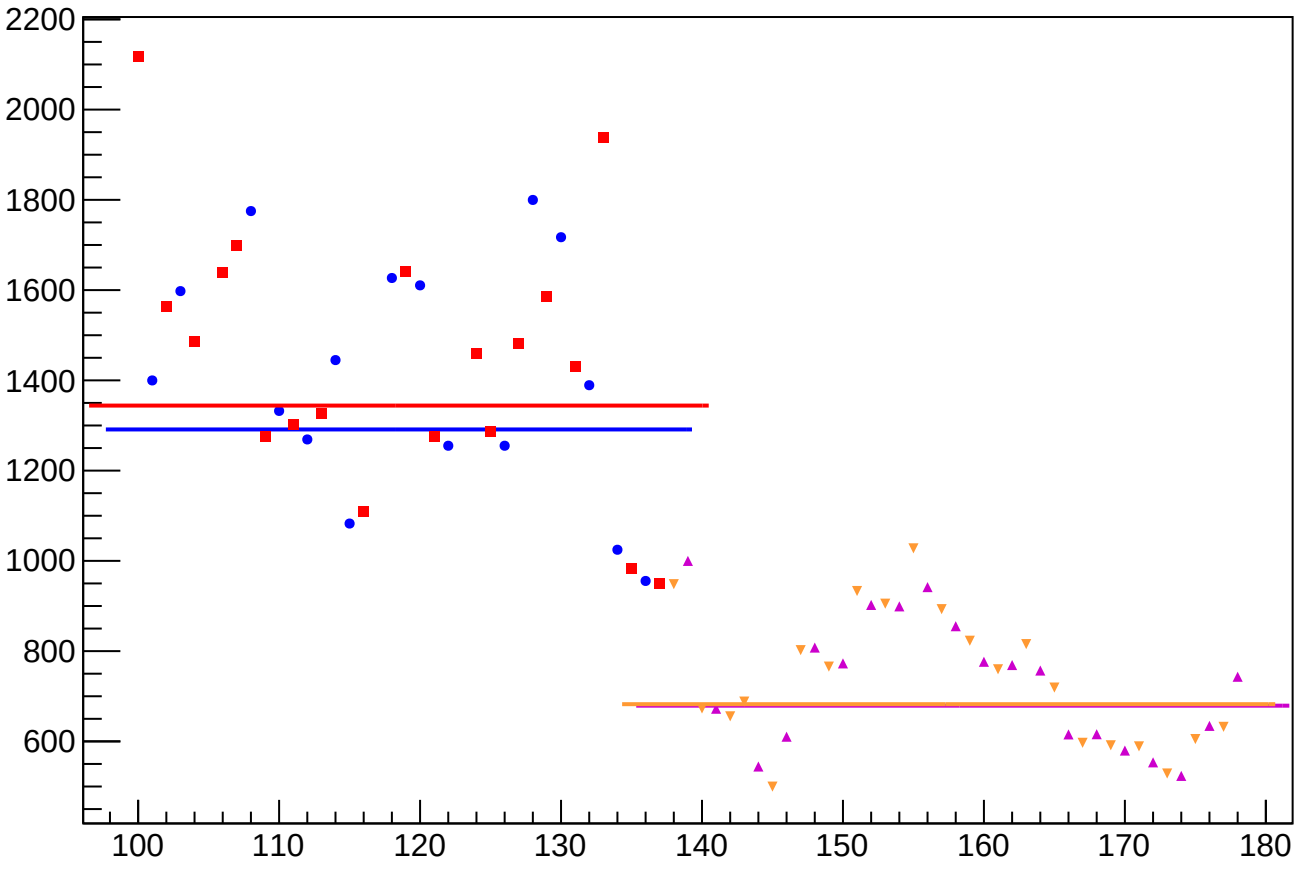
Right Out: -1010.556+/-501.373 χ^2/NDF: 11.8/18

Left In: -211.379+/-171.699 χ^2/NDF:19.7/19

\+ sign -861.952+/-161.420 χ^2/NDF: 80.6/36

All: -580.392+/-114.499 χ^2/NDF: 120.4/75

\- sign -295.266+/-162.438 χ^2/NDF: 33.7/38



Right In: 1291.220+/-0.349 χ^2/NDF: 610894.9/15

Left Out: 682.434+/-0.121 χ^2/NDF:1287630.6/20

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

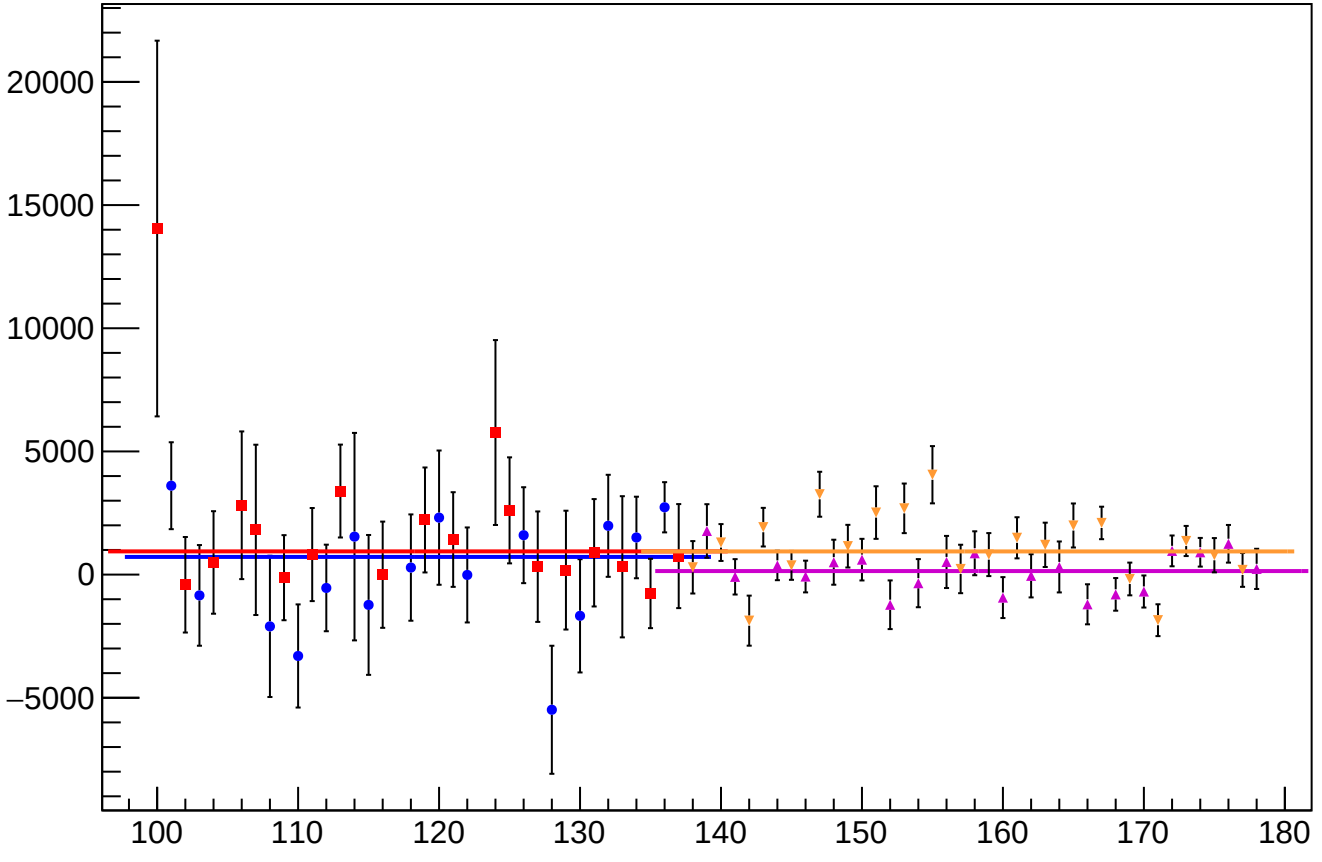
Left In: 679.127+/-0.121 χ^2/NDF:1174624.8/19

+ sign 747.632+/-0.114 χ^2/NDF: 4618892.6/36

All: 748.277+/-0.081 χ^2/NDF: 9433562.5/75

- sign 748.929+/-0.115 χ^2/NDF: 4814605.8/38

asym_sam_2468_avg_mean vs Slug



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 940.907+/-173.023 χ^2/NDF:58.4/20

Right Out: 942.308+/-498.052 χ^2/NDF: 10.6/18

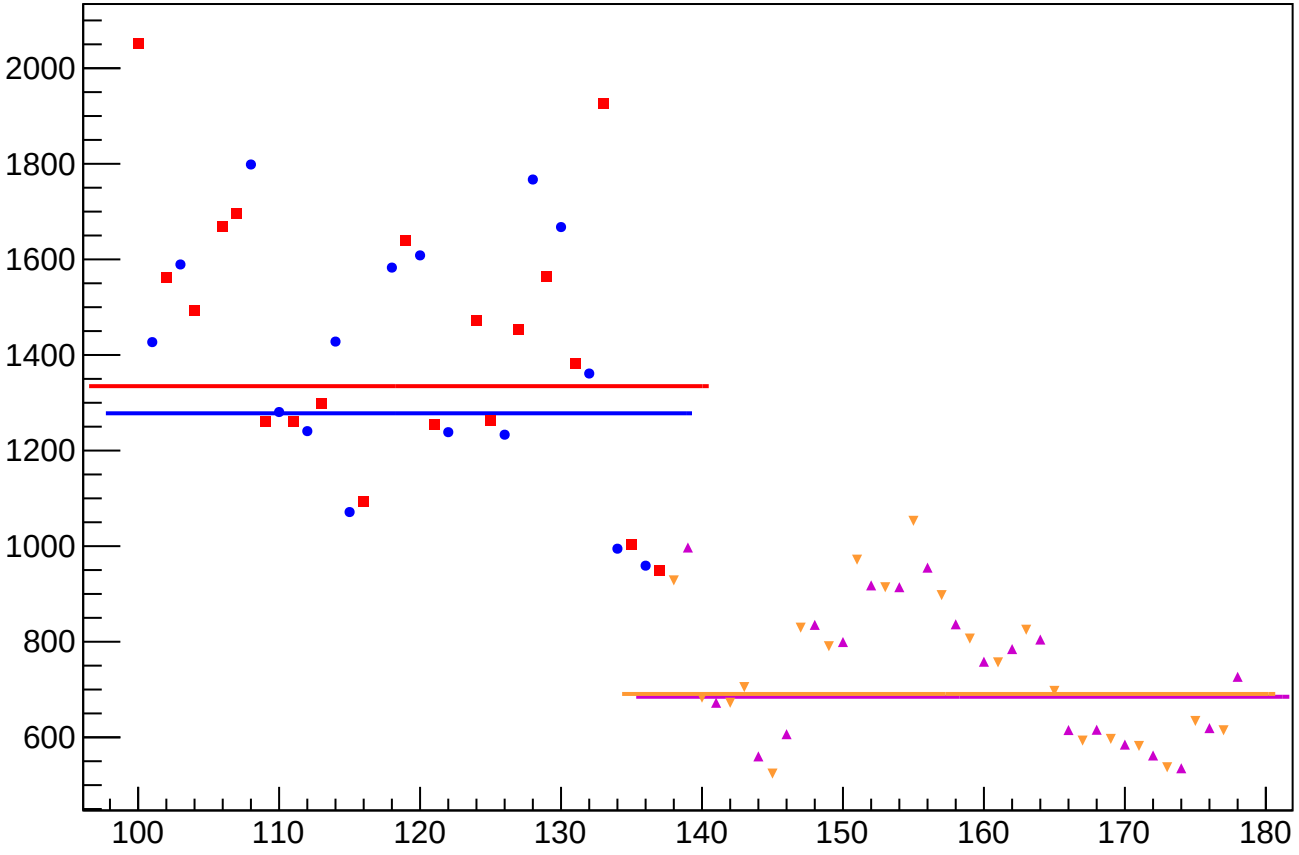
Left In: 143.436+/-173.115 χ^2/NDF:19.7/19

+ sign 915.994+/-163.085 χ^2/NDF: 79.6/36

All: 573.682+/-115.471 χ^2/NDF: 121.0/75

- sign 229.548+/-163.518 χ^2/NDF: 32.6/38

asym_sam_2468_avg_rms vs Slug



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 690.748+/-0.122 χ^2/NDF:1251790.0/20

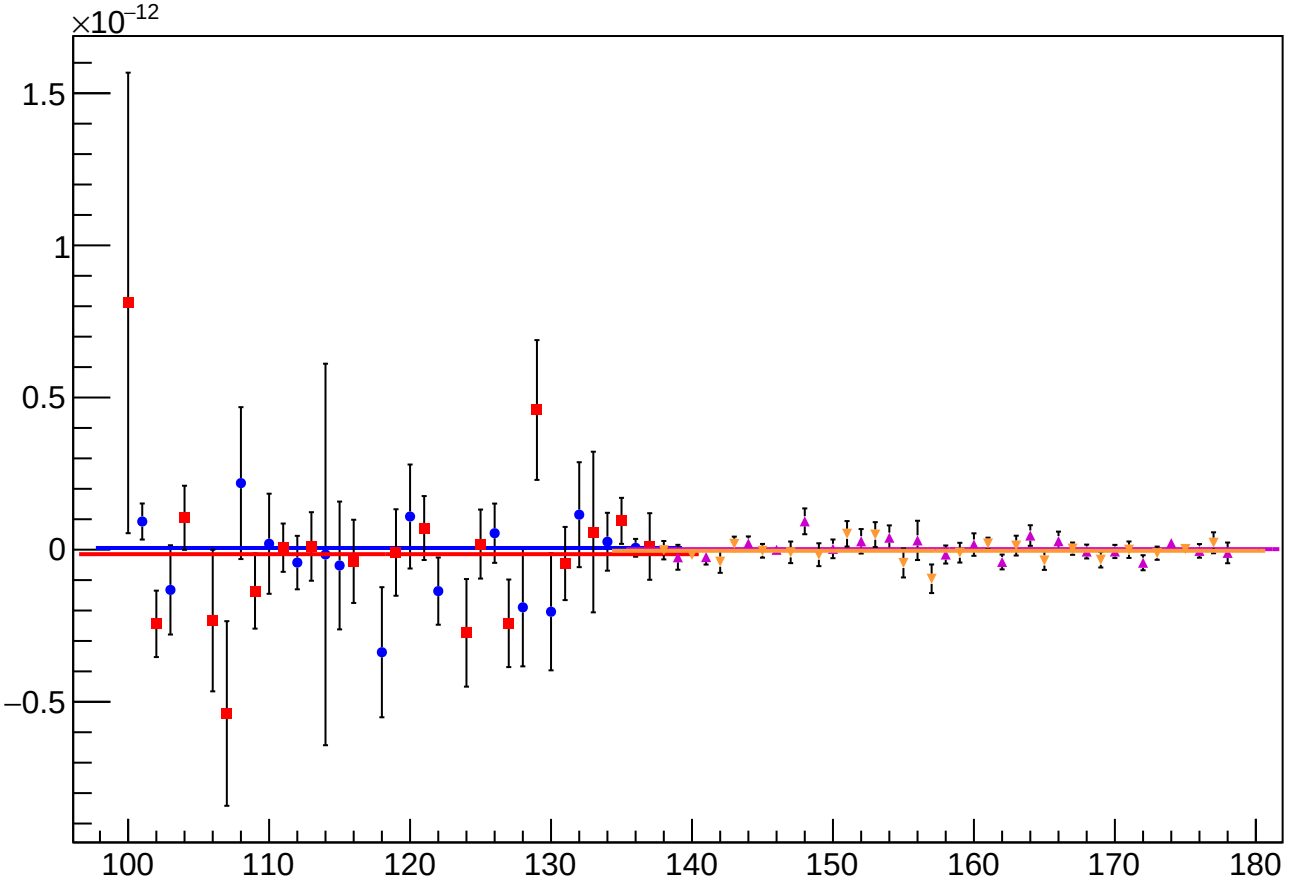
Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 684.875+/-0.122 χ^2/NDF:1164144.0/19

+ sign 756.268+/-0.115 χ^2/NDF: 4419877.7/36

All: 755.600+/-0.082 χ^2/NDF: 9094359.1/75

- sign 754.929+/-0.116 χ^2/NDF: 4674414.1/38



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.1/20

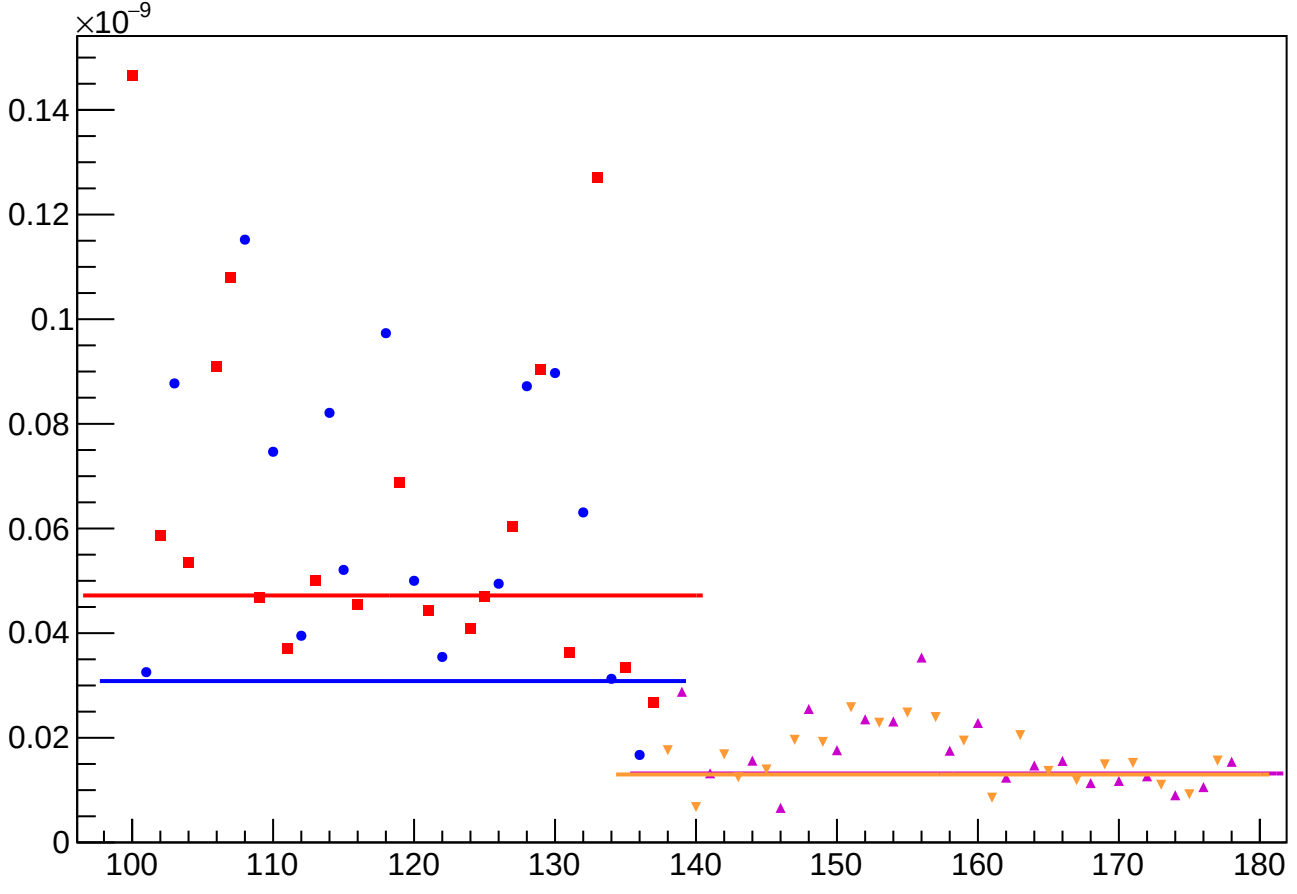
Right Out: -0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: 0.000+/-0.000 χ^2/NDF:19.4/19

+ sign -0.000+/-0.000 χ^2/NDF: 27.9/36

All: -0.000+/-0.000 χ^2/NDF: 71.7/75

- sign 0.000+/-0.000 χ^2/NDF: 43.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 1912879.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1561732.4/20

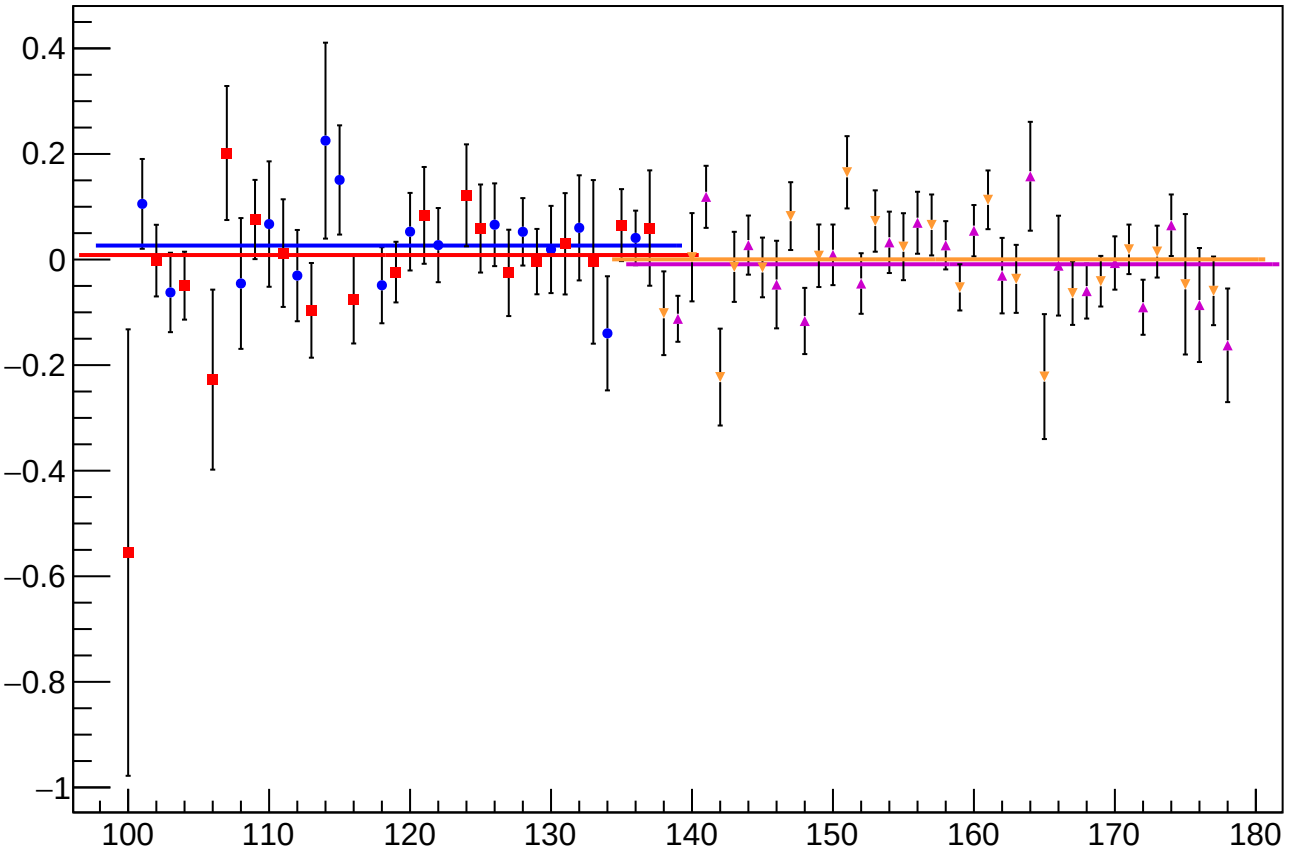
Right Out: 0.000+/-0.000 χ^2/NDF: 722091.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1809876.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 4758368.7/36

All: 0.000+/-0.000 χ^2/NDF: 10009552.3/75

- sign 0.000+/-0.000 χ^2/NDF: 5245493.2/38



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.000+/-0.013 χ^2/NDF:30.6/20

Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

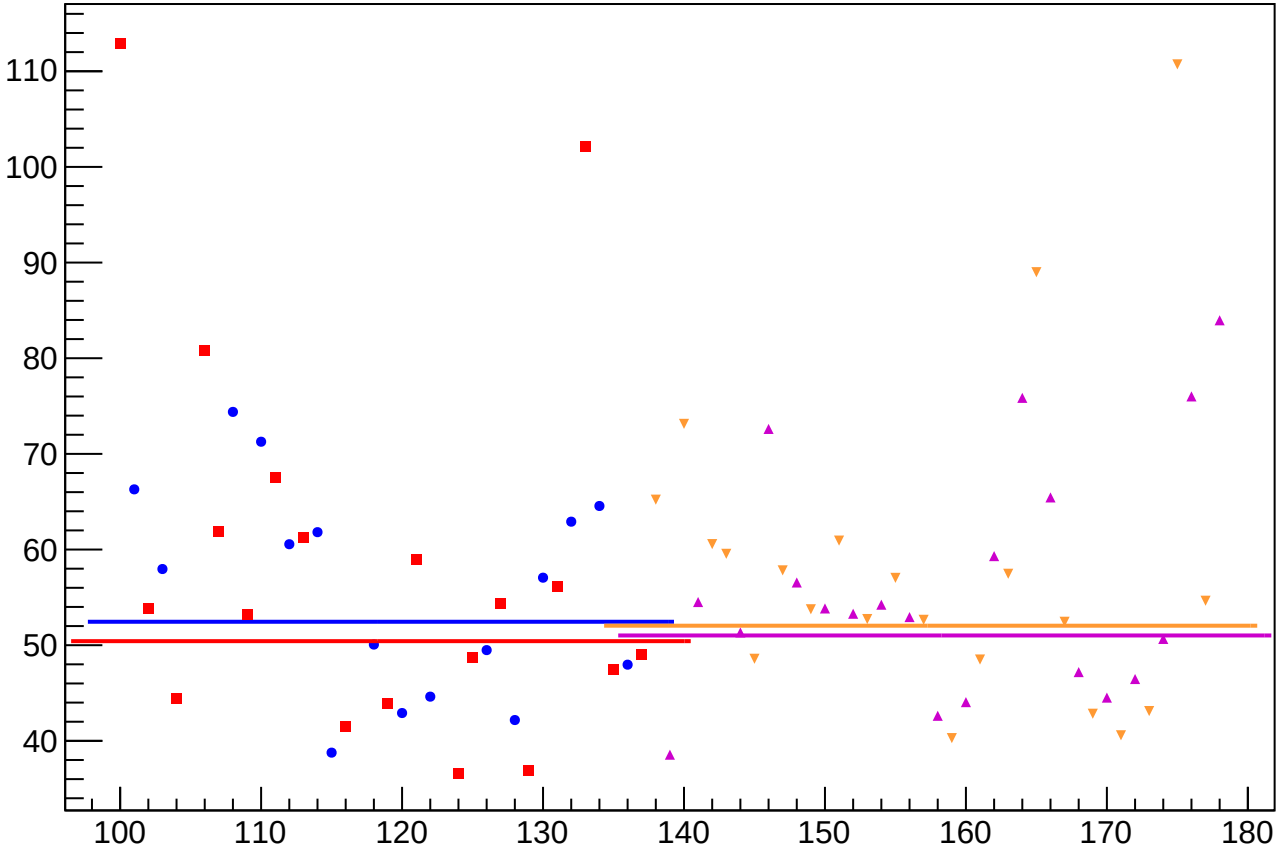
Left In: -0.009+/-0.013 χ^2/NDF:29.3/19

+ sign 0.008+/-0.011 χ^2/NDF: 41.7/36

All: 0.002+/-0.008 χ^2/NDF: 86.1/75

- sign -0.003+/-0.011 χ^2/NDF: 43.8/38

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: 52.039+/-0.009 χ^2/NDF:1310326.7/20

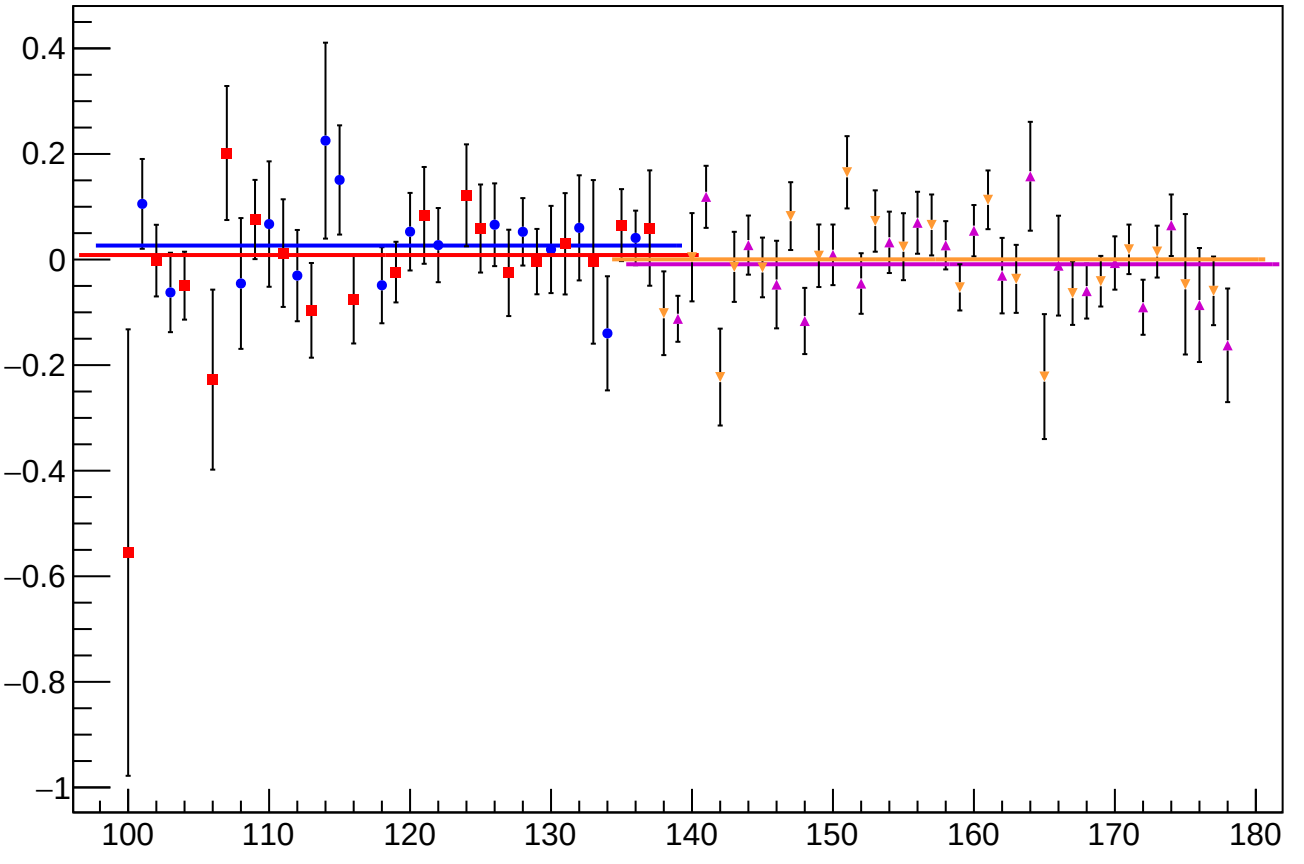
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 51.017+/-0.009 χ^2/NDF:990154.1/19

+ sign 52.163+/-0.008 χ^2/NDF: 1728911.6/36

All: 51.484+/-0.006 χ^2/NDF: 3411549.9/75

- sign 50.828+/-0.008 χ^2/NDF: 1668170.6/38



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.000+/-0.013 χ^2/NDF:30.6/20

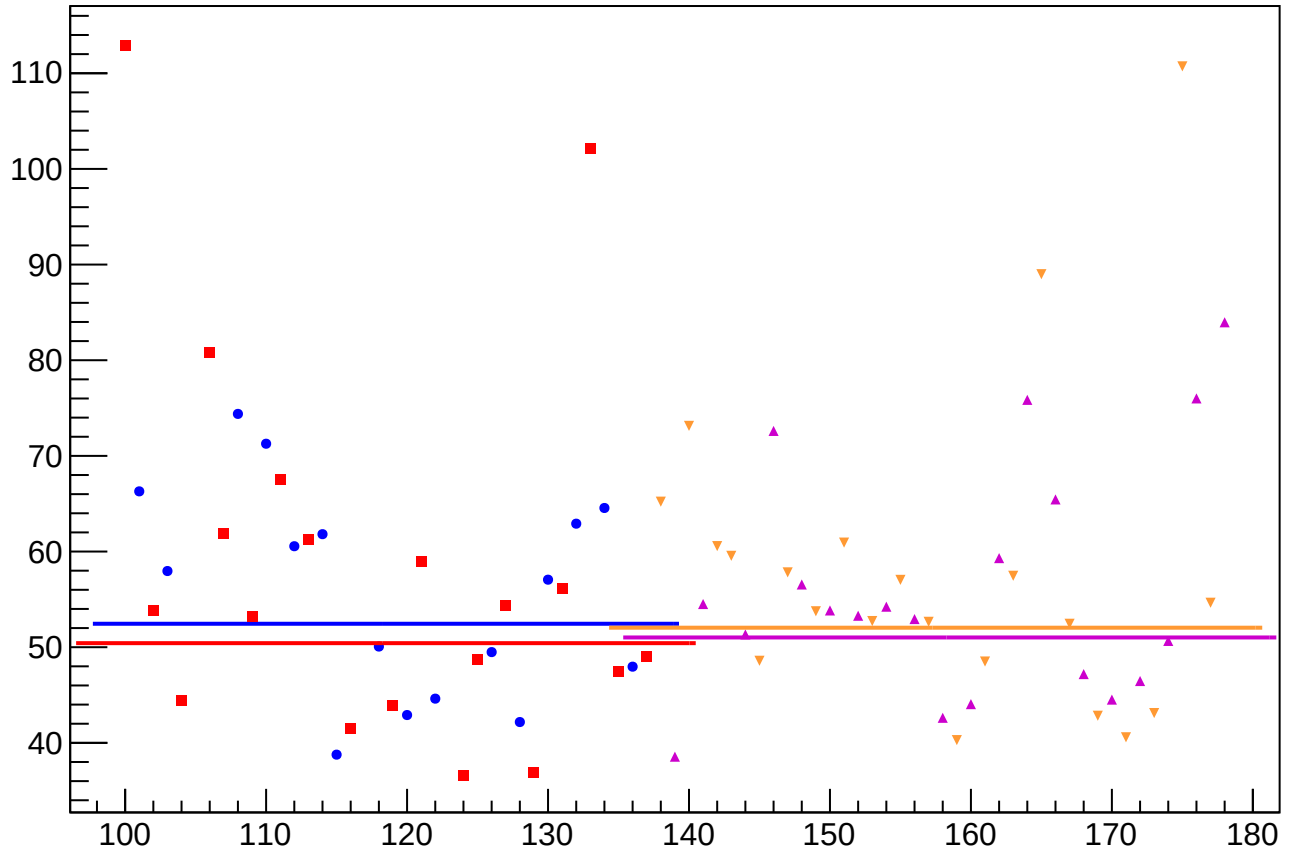
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.009+/-0.013 χ^2/NDF:29.3/19

+ sign 0.008+/-0.011 χ^2/NDF: 41.7/36

All: 0.002+/-0.008 χ^2/NDF: 86.1/75

- sign -0.003+/-0.011 χ^2/NDF: 43.8/38



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 52.039+/-0.009 χ^2/NDF:1310326.7/20

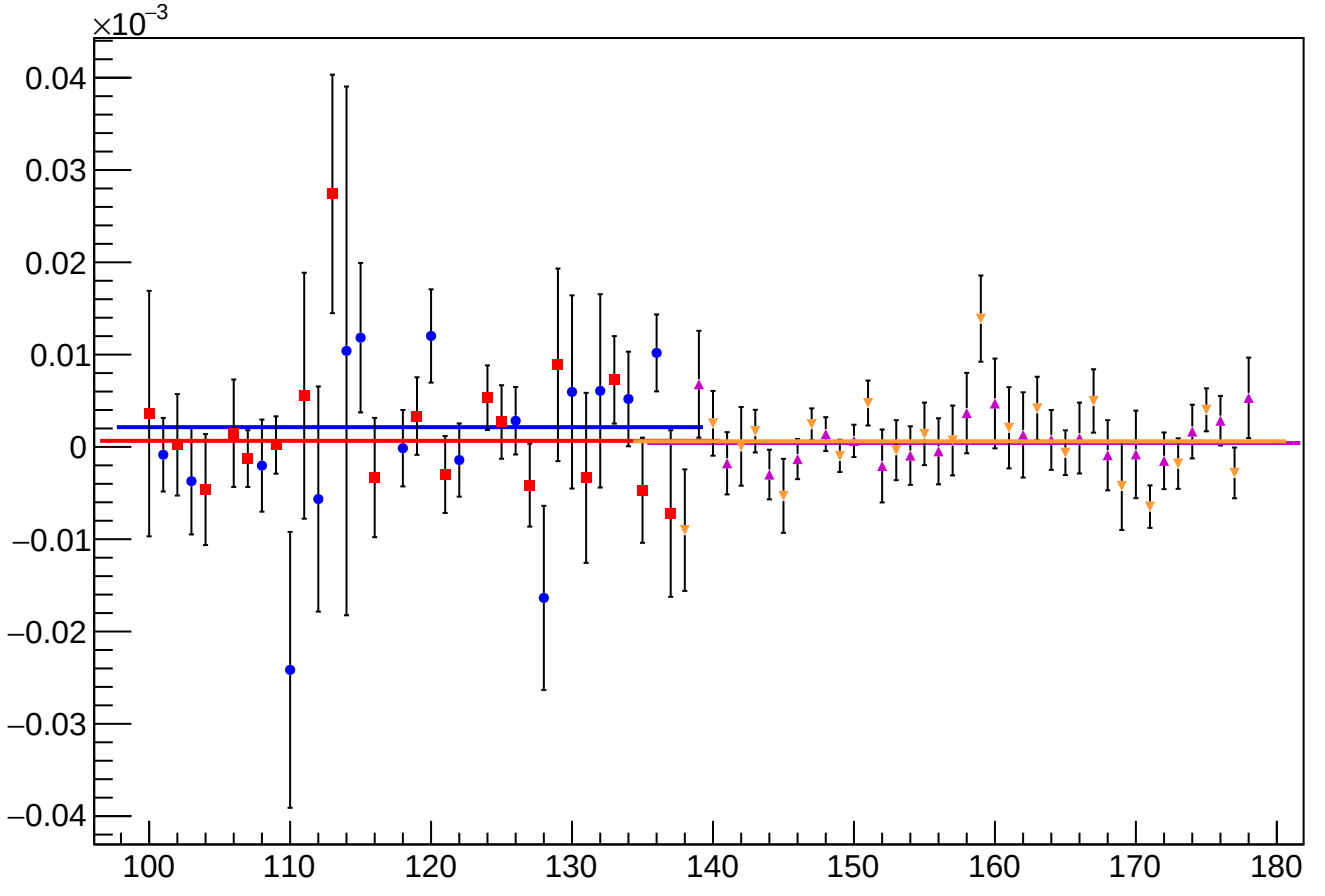
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 51.017+/-0.009 χ^2/NDF:990154.1/19

+ sign 52.163+/-0.008 χ^2/NDF: 1728911.6/36

All: 51.484+/-0.006 χ^2/NDF: 3411549.9/75

- sign 50.828+/-0.008 χ^2/NDF: 1668170.6/38



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:36.0/20

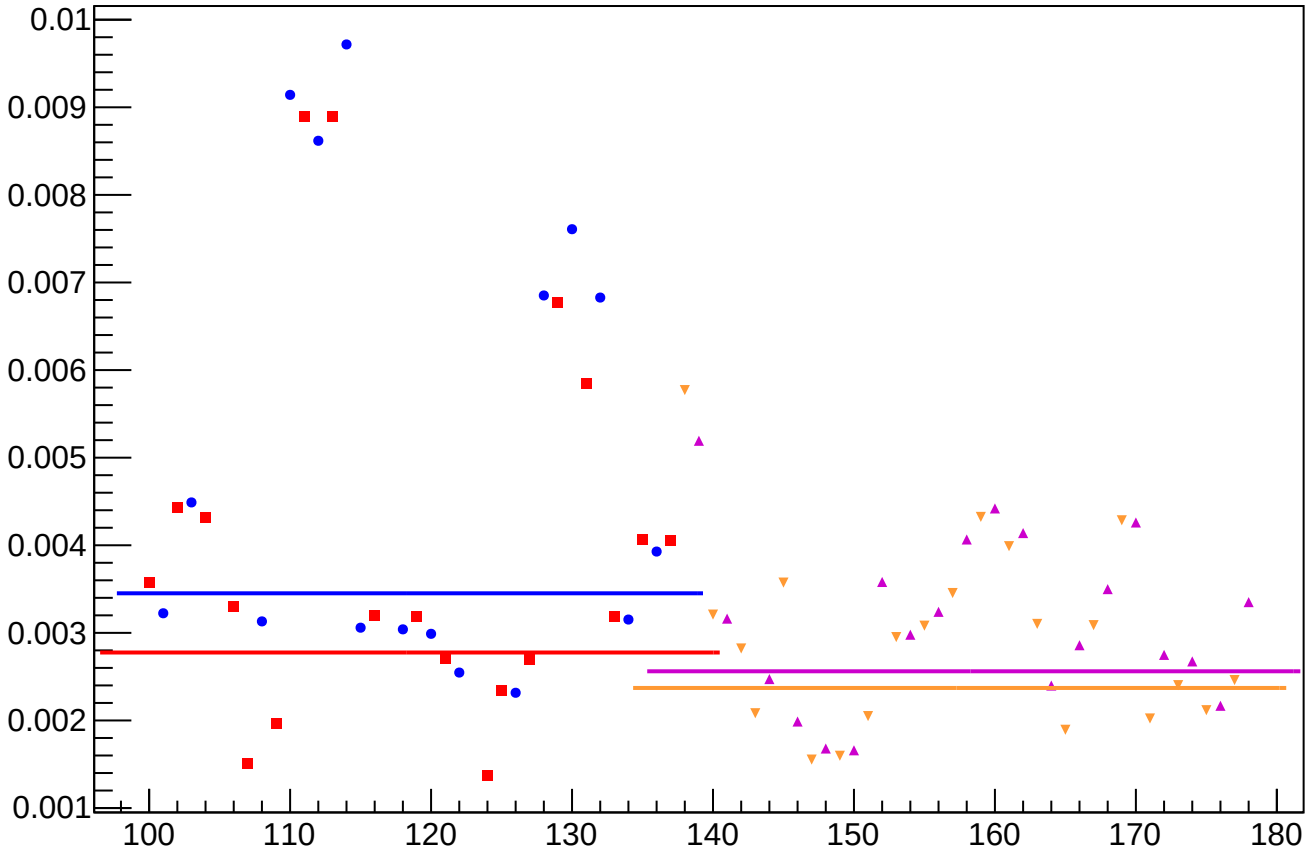
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:9.0/19

+ sign 0.000+/-0.000 χ^2/NDF: 57.1/36

All: 0.000+/-0.000 χ^2/NDF: 81.2/75

- sign 0.000+/-0.000 χ^2/NDF: 23.9/38



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:3351215.5/20

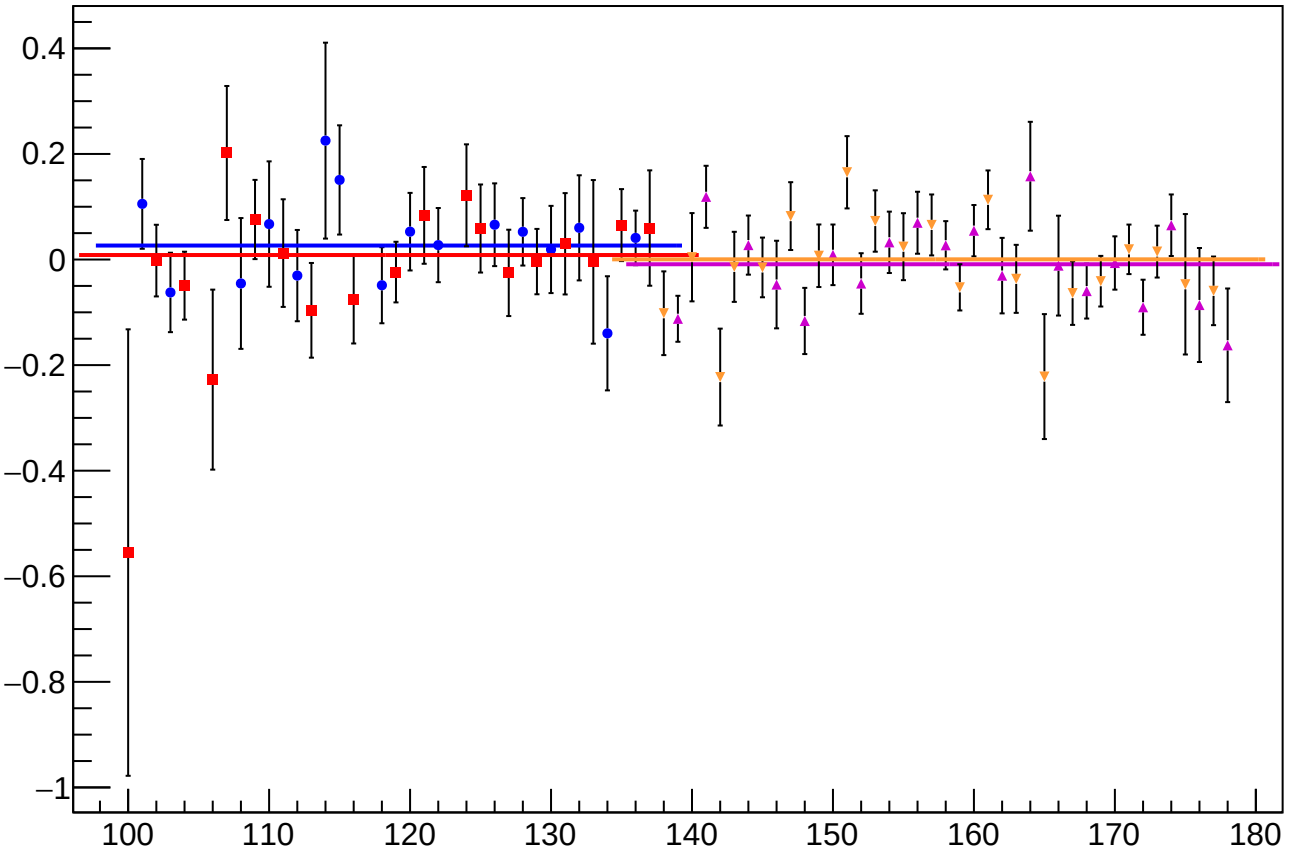
Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.003+/-0.000 χ^2/NDF:3126924.1/19

+ sign 0.003+/-0.000 χ^2/NDF: 6316859.0/36

All: 0.003+/-0.000 χ^2/NDF: 12243870.7/75

- sign 0.003+/-0.000 χ^2/NDF: 5913511.3/38



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.000+/-0.013 χ^2/NDF:30.6/20

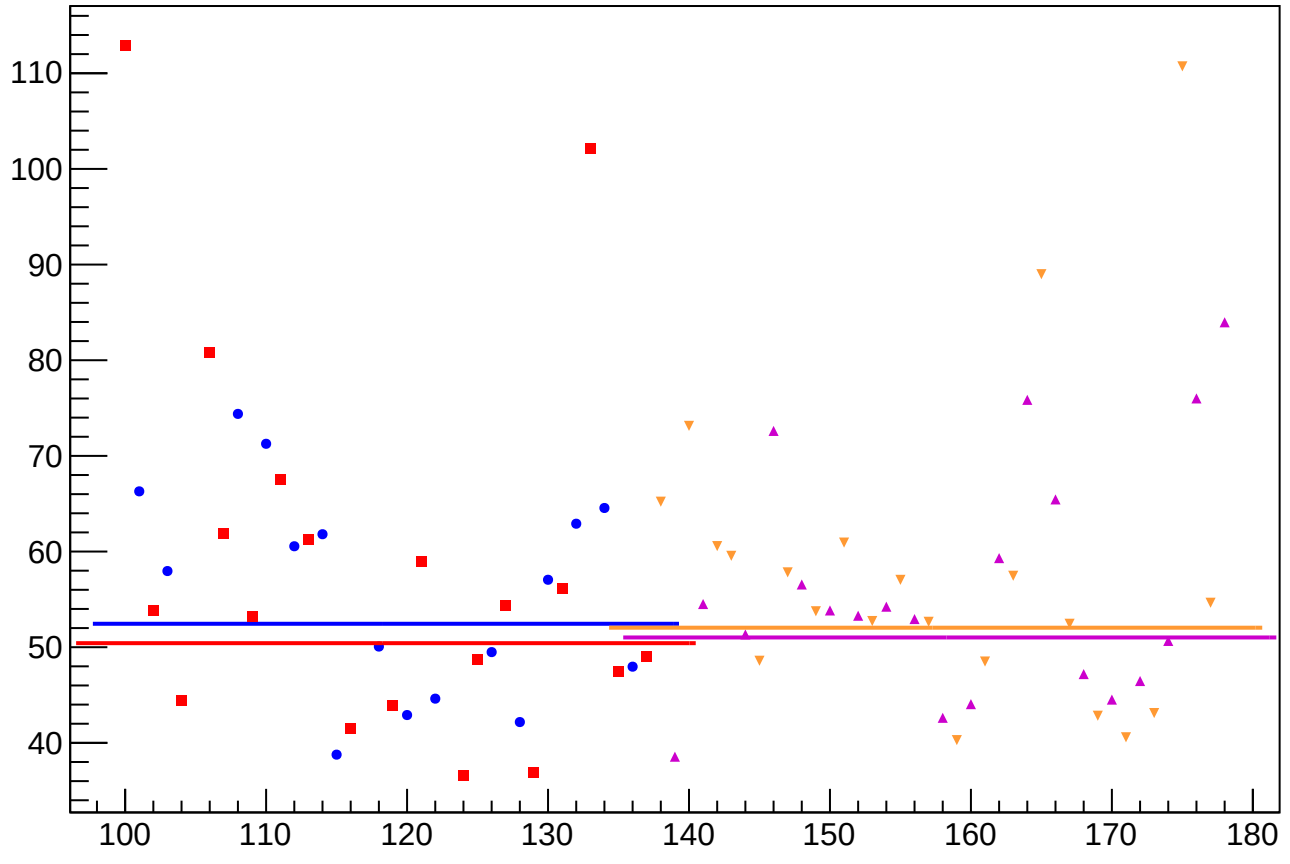
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.009+/-0.013 χ^2/NDF:29.3/19

+ sign 0.008+/-0.011 χ^2/NDF: 41.7/36

All: 0.002+/-0.008 χ^2/NDF: 86.1/75

- sign -0.003+/-0.011 χ^2/NDF: 43.8/38



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 52.039+/-0.009 χ^2/NDF:1310341.7/20

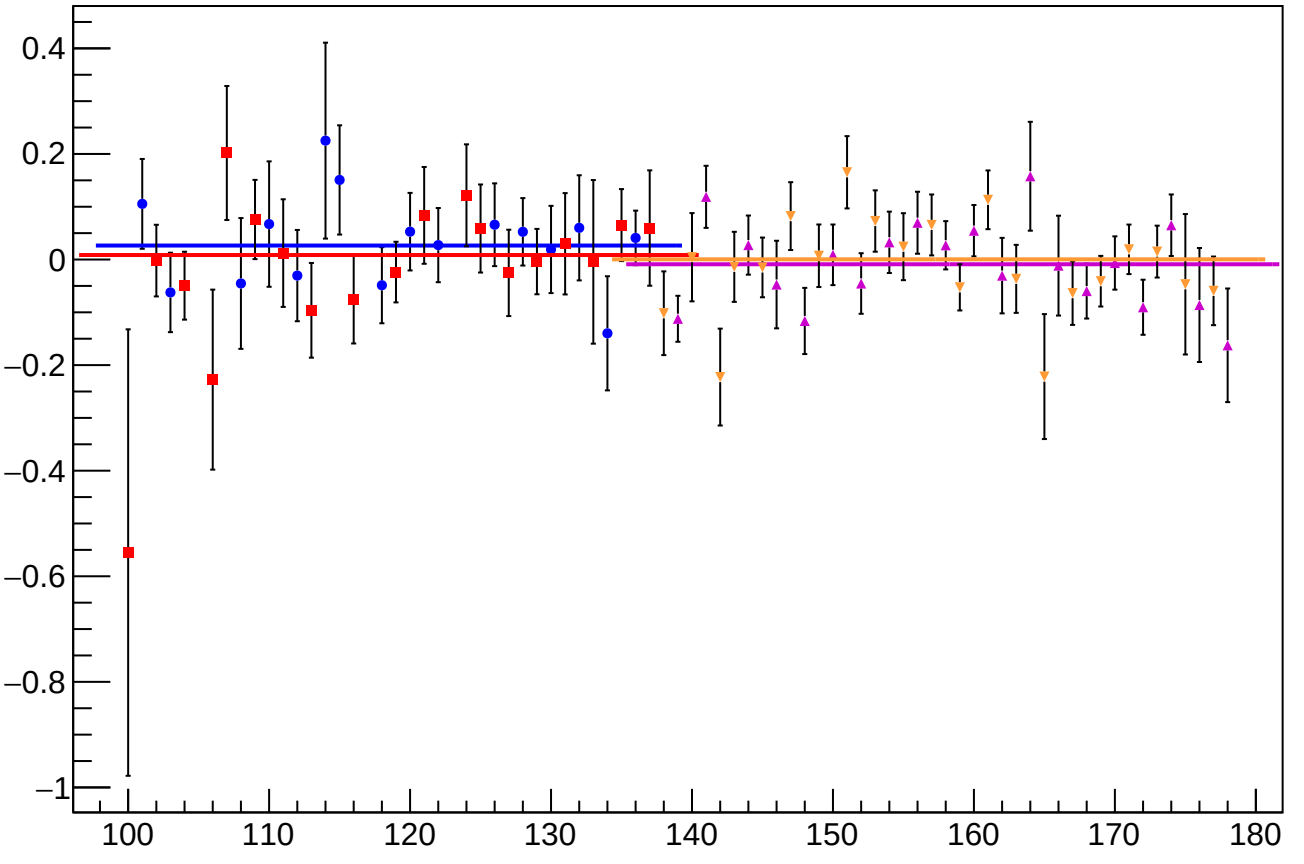
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 51.018+/-0.009 χ^2/NDF:990218.3/19

\+ sign 52.163+/-0.008 χ^2/NDF: 1728875.5/36

All: 51.484+/-0.006 χ^2/NDF: 3411591.8/75

\- sign 50.828+/-0.008 χ^2/NDF: 1668247.1/38



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.000+/-0.013 χ^2/NDF:30.6/20

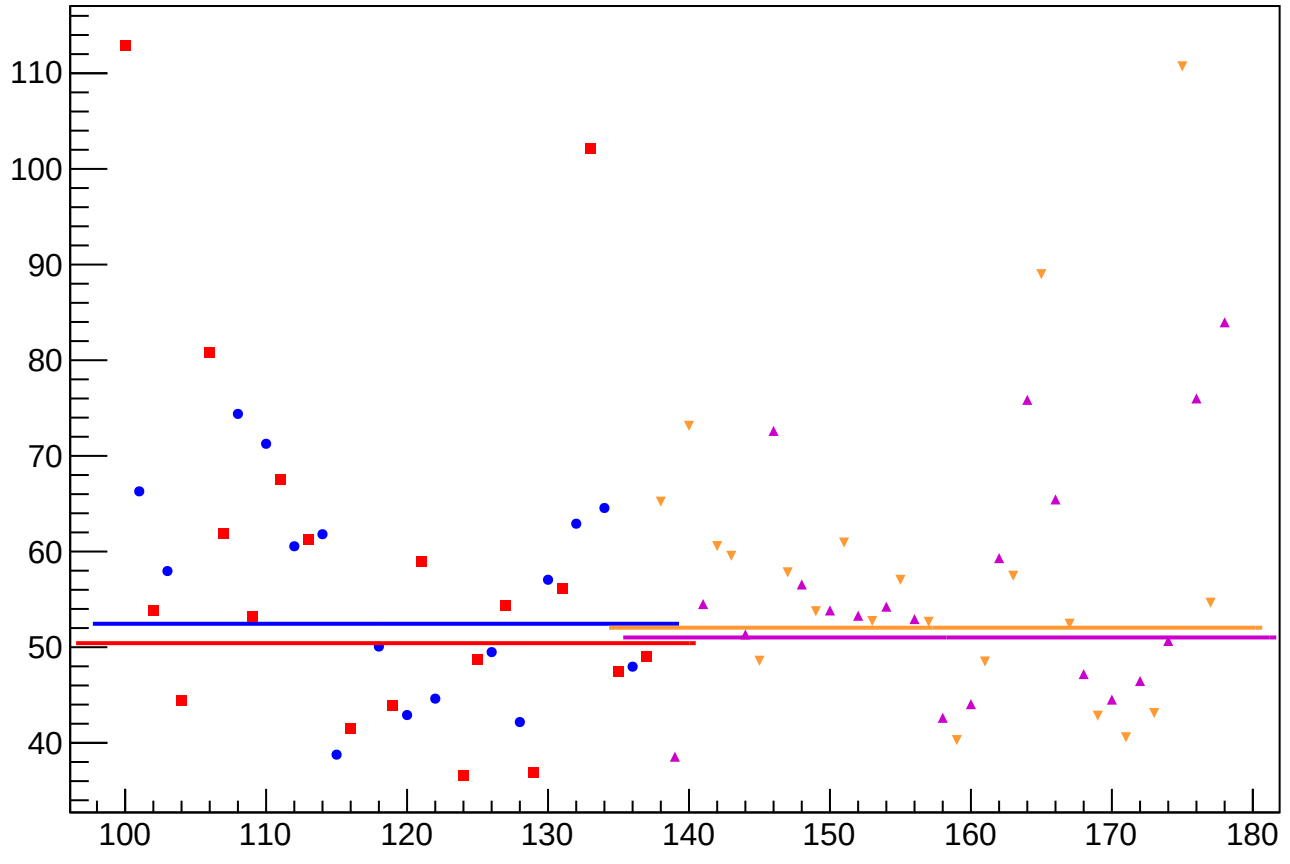
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.009+/-0.013 χ^2/NDF:29.3/19

+ sign 0.008+/-0.011 χ^2/NDF: 41.7/36

All: 0.002+/-0.008 χ^2/NDF: 86.1/75

- sign -0.003+/-0.011 χ^2/NDF: 43.8/38



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 52.039+/-0.009 χ^2/NDF:1310341.7/20

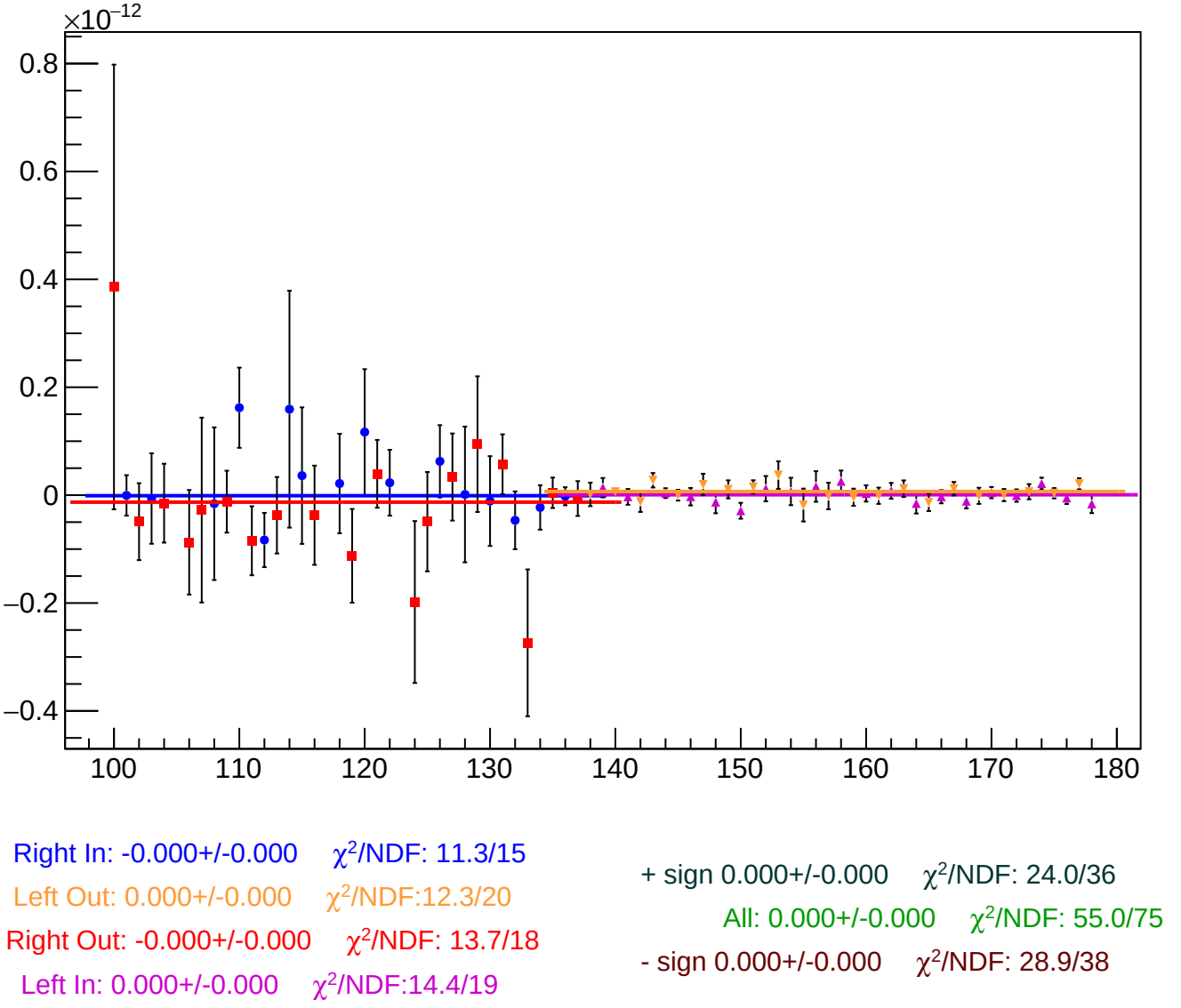
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

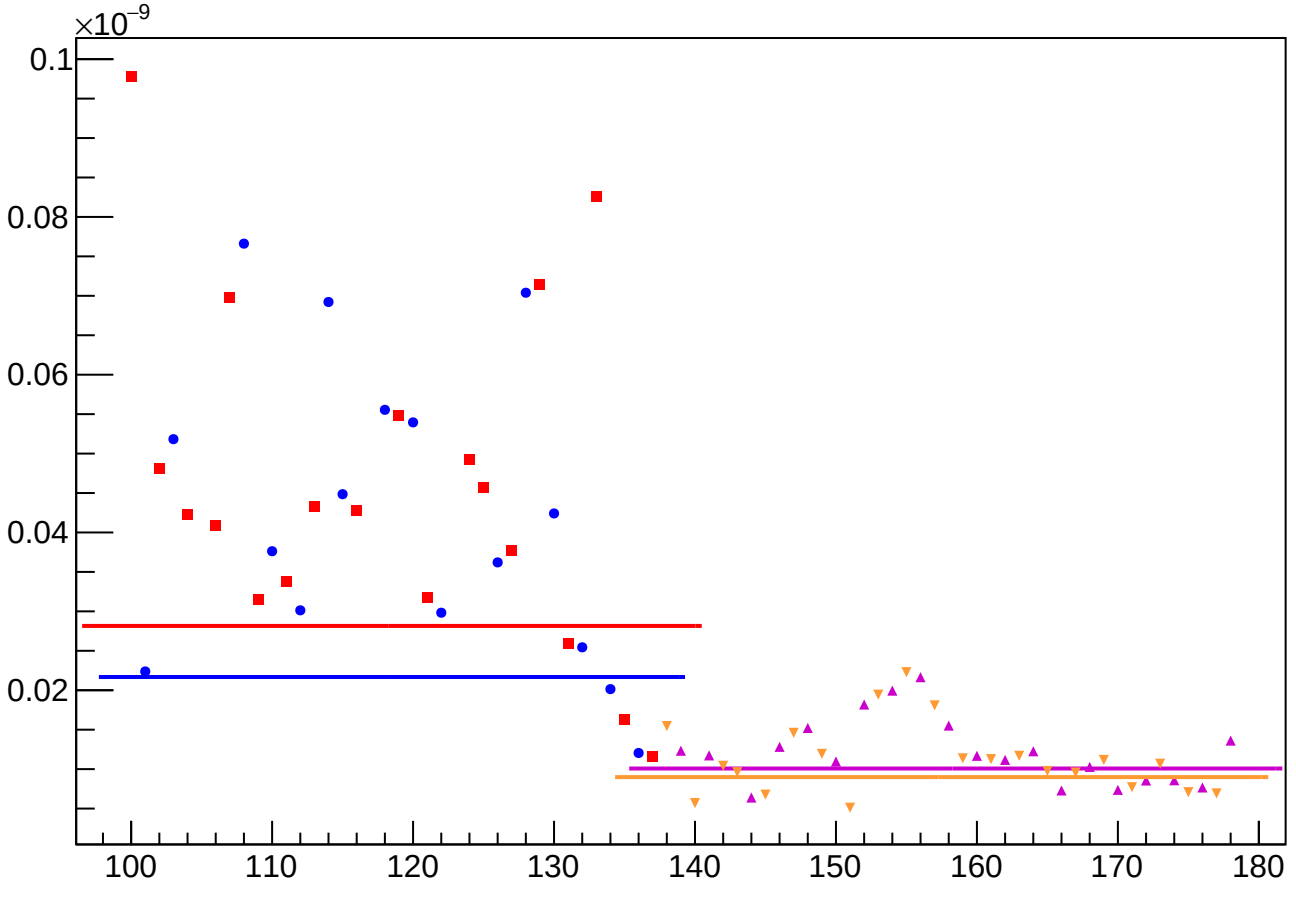
Left In: 51.018+/-0.009 χ^2/NDF:990218.3/19

+ sign 52.163+/-0.008 χ^2/NDF: 1728875.5/36

All: 51.484+/-0.006 χ^2/NDF: 3411591.8/75

- sign 50.828+/-0.008 χ^2/NDF: 1668247.1/38


asym_sam_2468_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 11.3/15
Left Out: 0.000+/-0.000 χ²/NDF:12.3/20
Right Out: -0.000+/-0.000 χ²/NDF: 13.7/18
Left In: 0.000+/-0.000 χ²/NDF:14.4/19
+ sign 0.000+/-0.000 χ²/NDF: 24.0/36
All: 0.000+/-0.000 χ²/NDF: 55.0/75
- sign 0.000+/-0.000 χ²/NDF: 28.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2445253.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

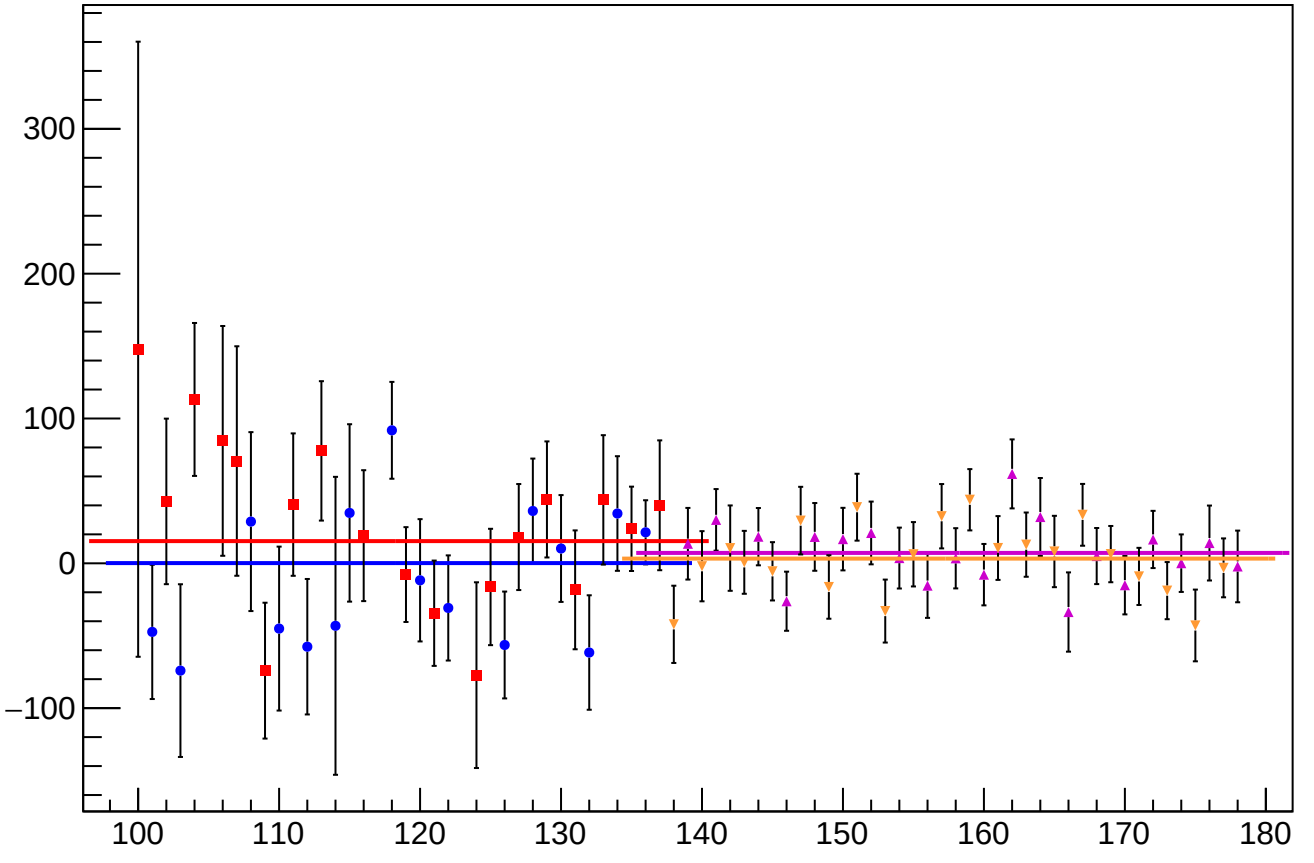
Left In: 0.000+/-0.000 χ^2/NDF:2149324.4/19

+ sign 0.000+/-0.000 χ^2/NDF: 7081372.1/36

All: 0.000+/-0.000 χ^2/NDF: 14732264.4/75

- sign 0.000+/-0.000 χ^2/NDF: 7495375.0/38

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: 3.251+/-4.833 χ^2/NDF:23.4/20

Right Out: 15.333+/-10.267 χ^2/NDF: 17.9/18

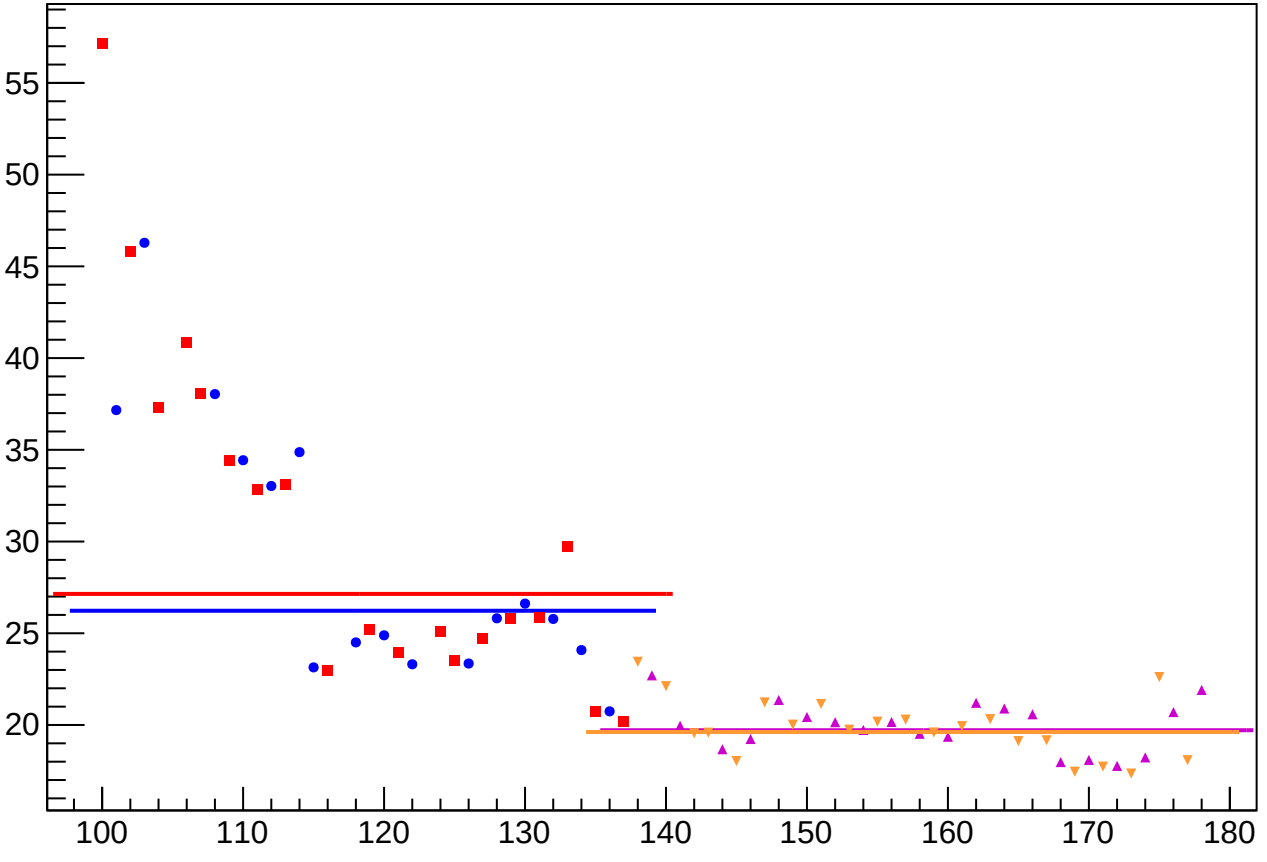
Left In: 7.178+/-4.906 χ^2/NDF:16.7/19

+ sign 2.669+/-4.355 χ^2/NDF: 44.8/36

All: 5.633+/-3.105 χ^2/NDF: 81.0/75

- sign 8.694+/-4.427 χ^2/NDF: 35.2/38

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 19.617+/-0.003 χ^2/NDF:211231.3/20

Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

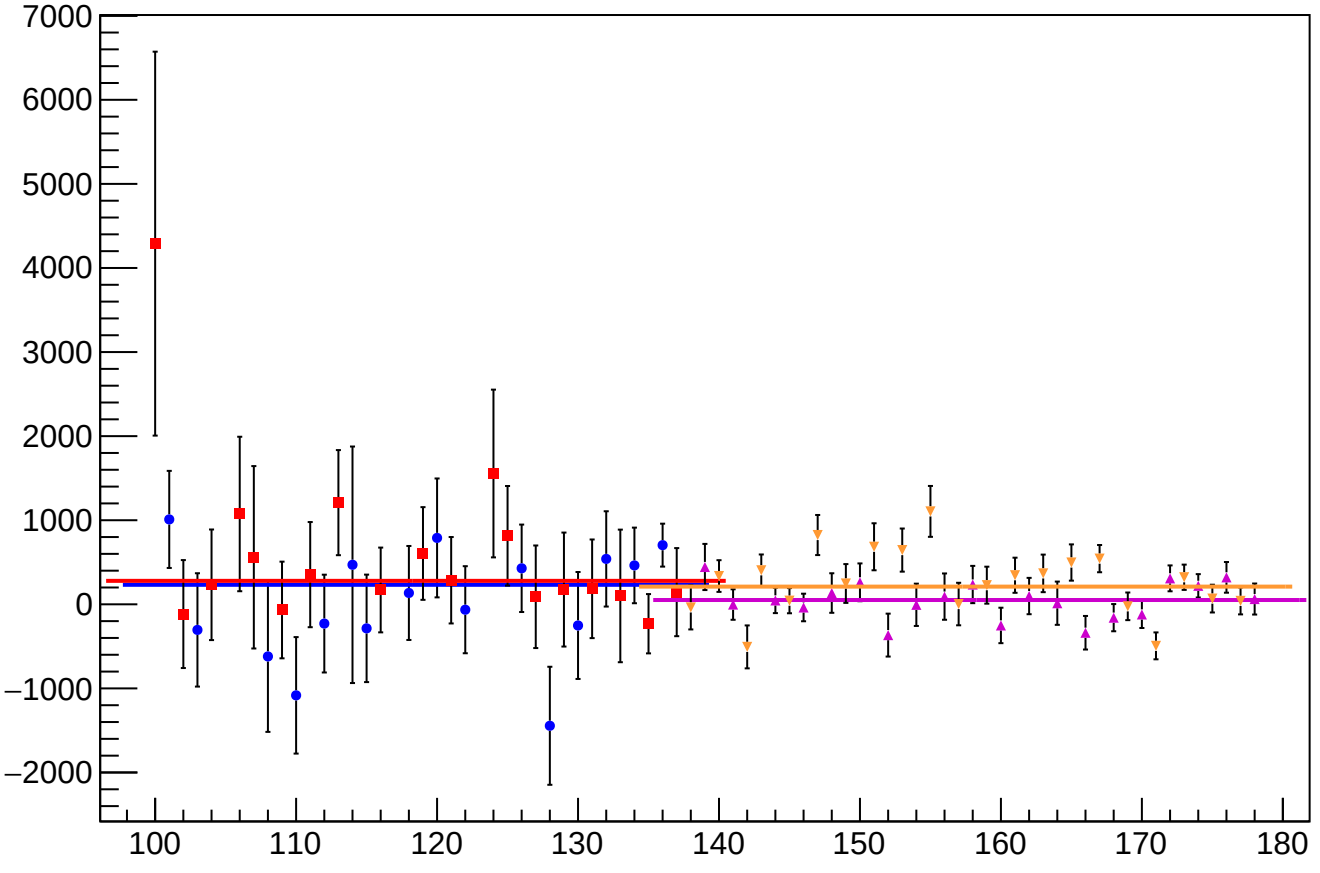
Left In: 19.714+/-0.003 χ^2/NDF:142542.4/19

+ sign 20.859+/-0.003 χ^2/NDF: 1590166.1/36

All: 20.975+/-0.002 χ^2/NDF: 3343985.3/75

- sign 21.096+/-0.003 χ^2/NDF: 1750913.9/38

asym_sam_1357_2468_dd_reg_correction_mean vs Slug



Right In: 232.092+/-134.871 χ^2/NDF: 19.6/15

Left Out: 210.505+/-42.994 χ^2/NDF:64.1/20

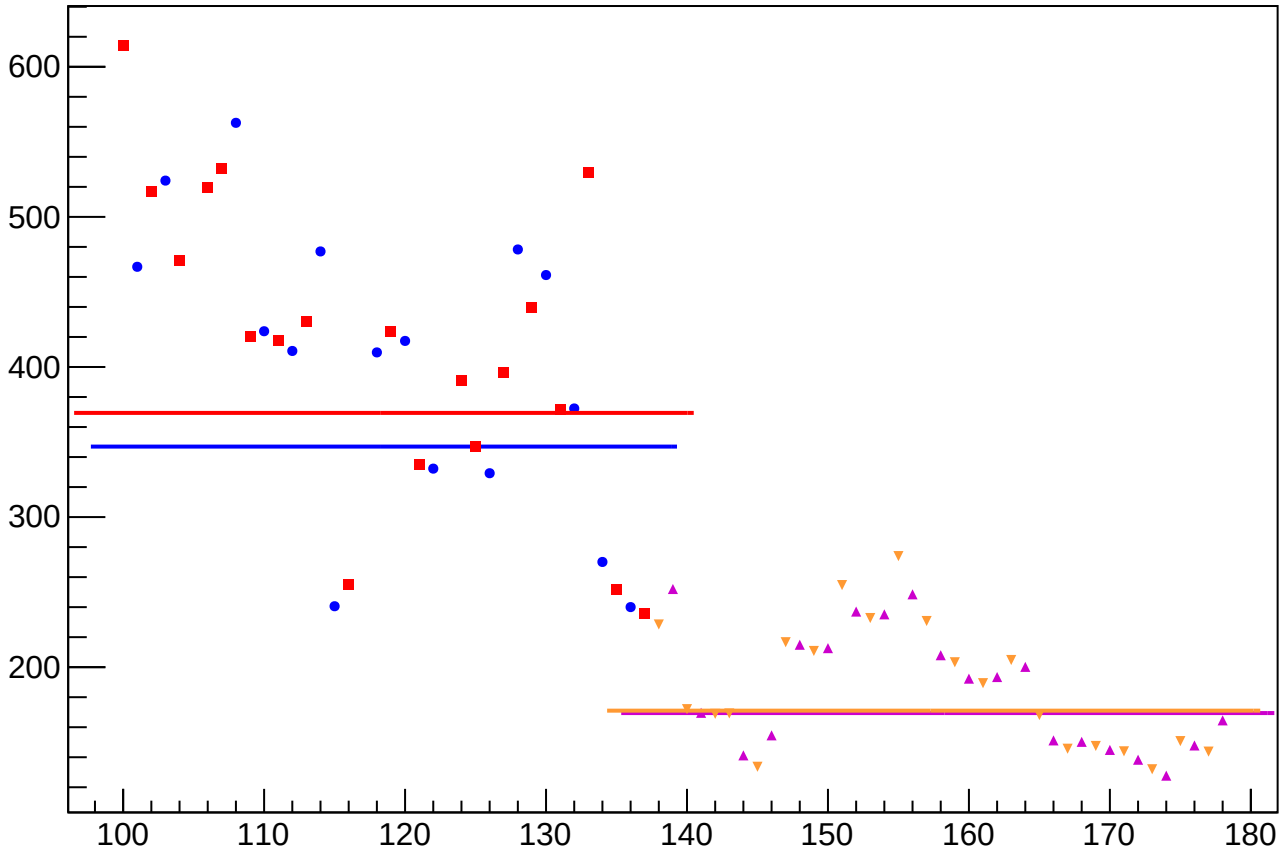
Right Out: 279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: 51.186+/-42.968 χ^2/NDF:22.1/19

\+ sign 212.496+/-40.963 χ^2/NDF: 83.8/36

All: 141.849+/-29.005 χ^2/NDF: 126.3/75

\- sign 70.810+/-41.076 χ^2/NDF: 36.6/38



Right In: 346.969+/-0.095 χ^2/NDF: 1058029.4/15

Left Out: 171.033+/-0.030 χ^2/NDF:1466611.3/20

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

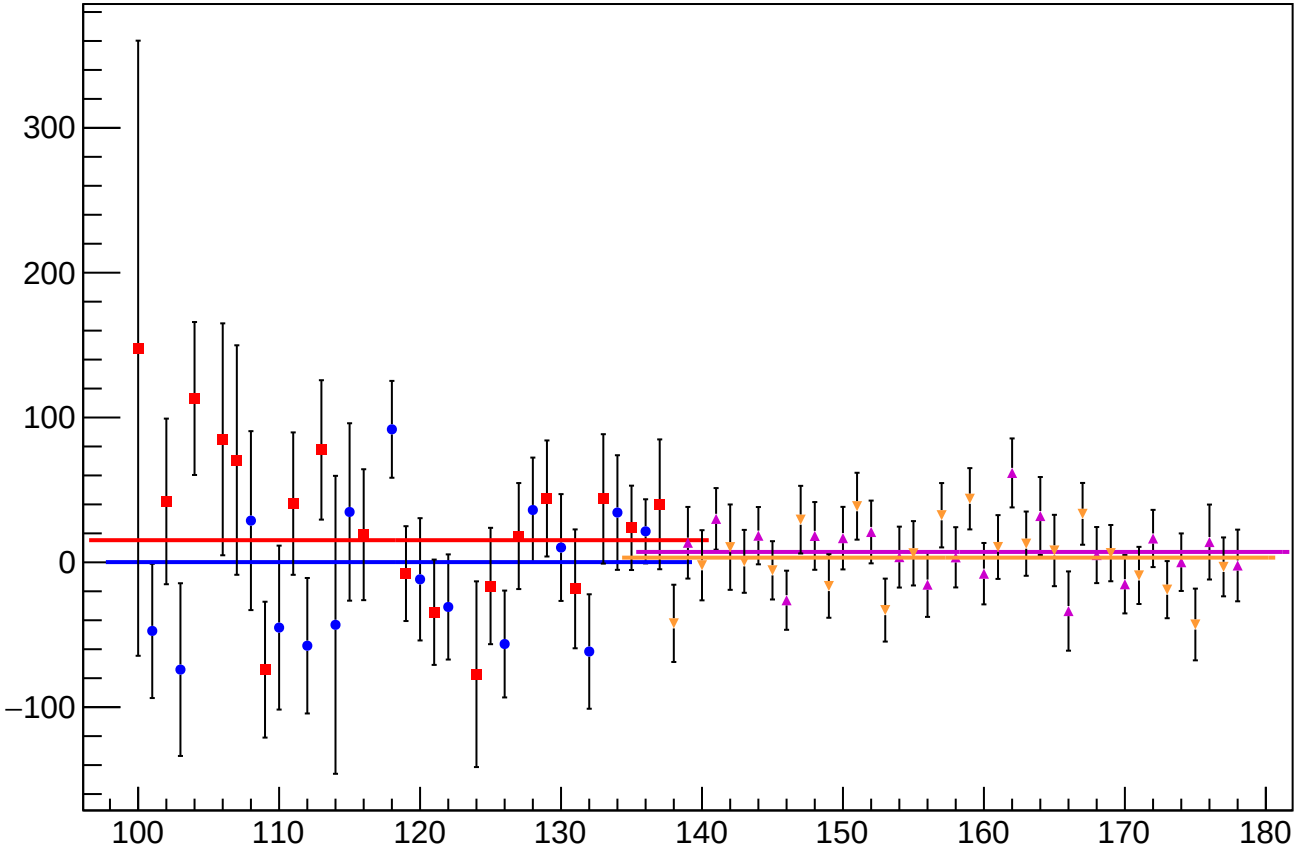
Left In: 169.426+/-0.030 χ^2/NDF:1378667.8/19

+ sign 187.262+/-0.029 χ^2/NDF: 5614042.0/36

All: 186.957+/-0.021 χ^2/NDF: 11643166.7/75

- sign 186.650+/-0.029 χ^2/NDF: 6028902.0/38

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 3.250+/-4.833 χ^2/NDF:23.4/20

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

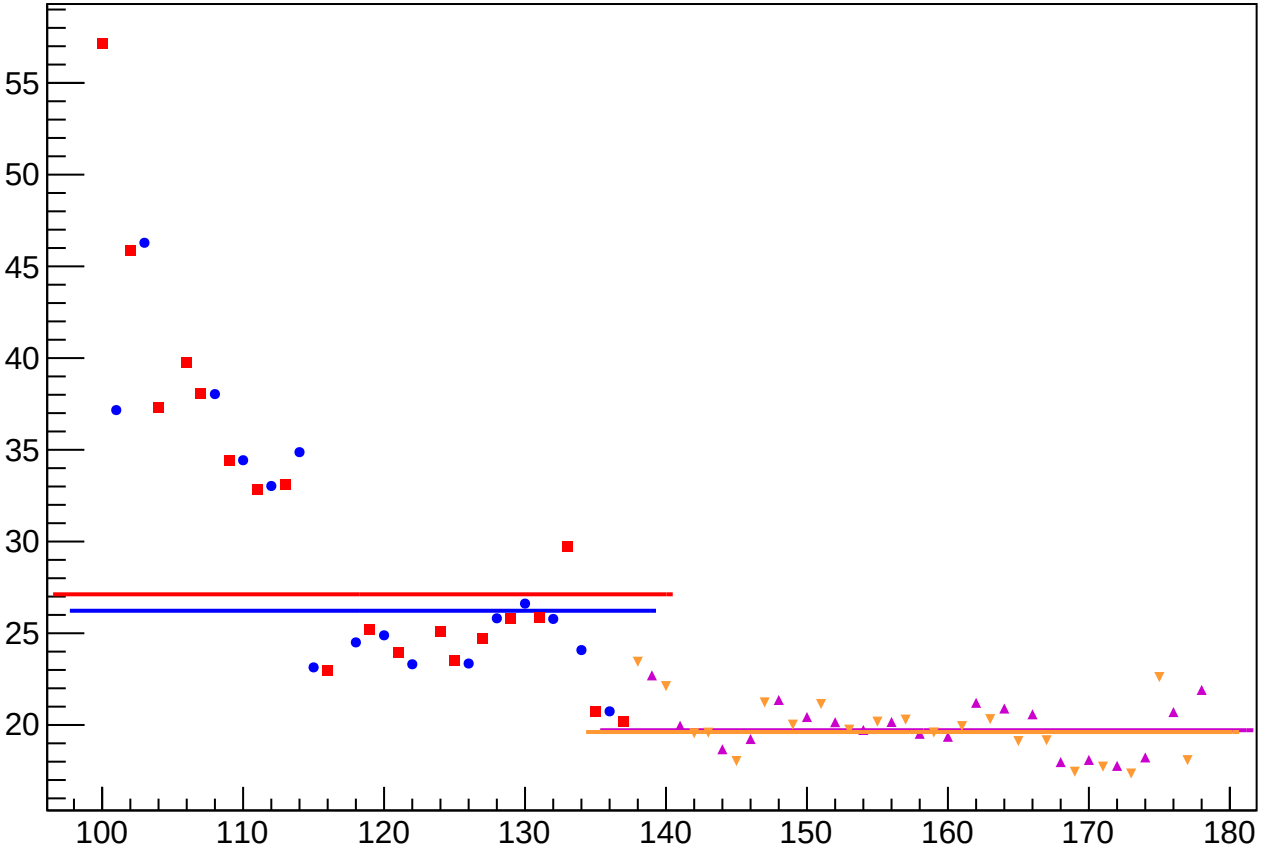
Left In: 7.178+/-4.906 χ^2/NDF:16.7/19

+ sign 2.669+/-4.355 χ^2/NDF: 44.8/36

All: 5.628+/-3.105 χ^2/NDF: 81.0/75

- sign 8.686+/-4.427 χ^2/NDF: 35.2/38

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 19.617+/-0.003 χ^2/NDF:211231.3/20

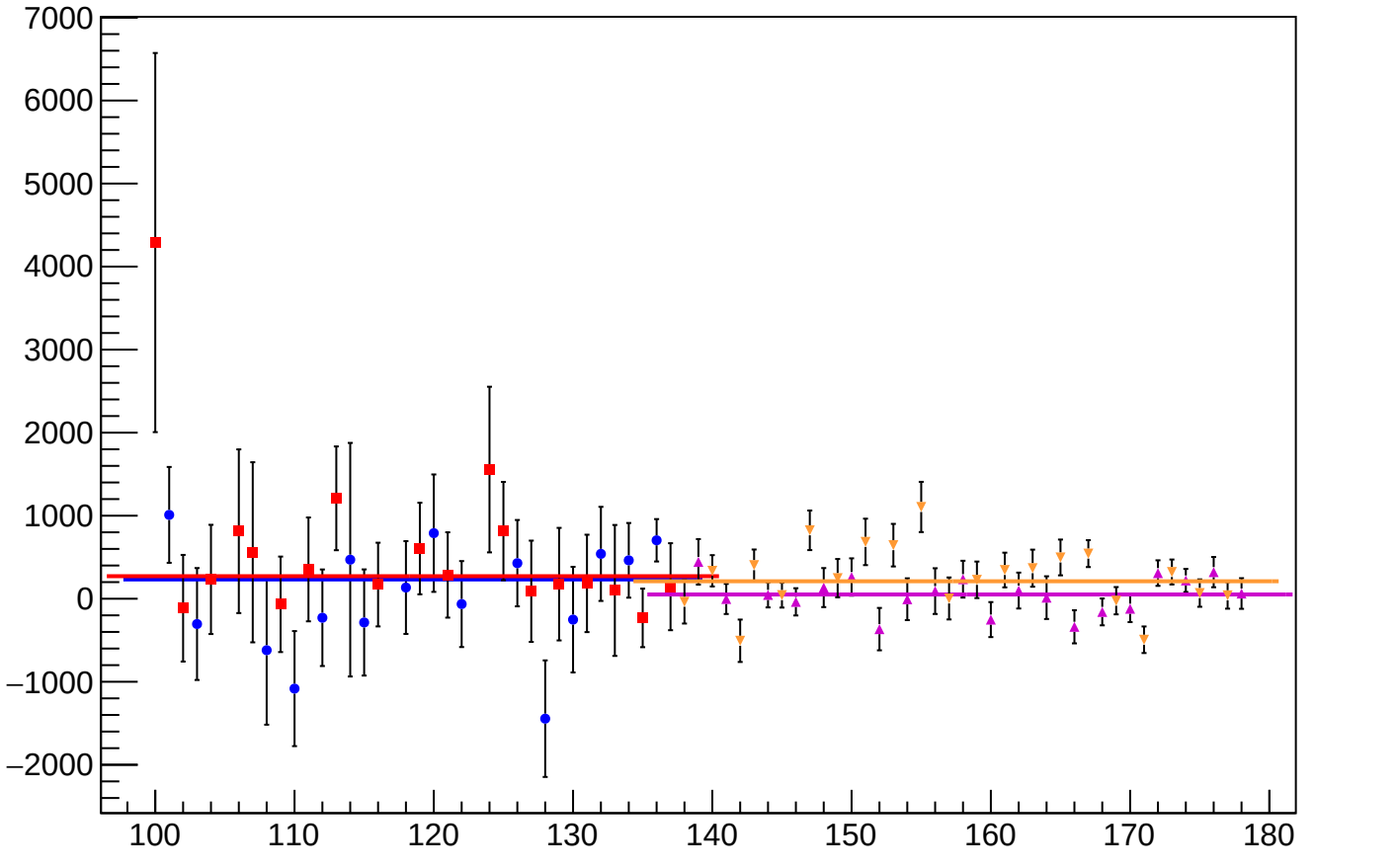
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 19.714+/-0.003 χ^2/NDF:142542.4/19

+ sign 20.859+/-0.003 χ^2/NDF: 1590169.4/36

All: 20.973+/-0.002 χ^2/NDF: 3328883.4/75

- sign 21.091+/-0.003 χ^2/NDF: 1735916.8/38



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 210.503+/-42.994 χ^2/NDF:64.1/20

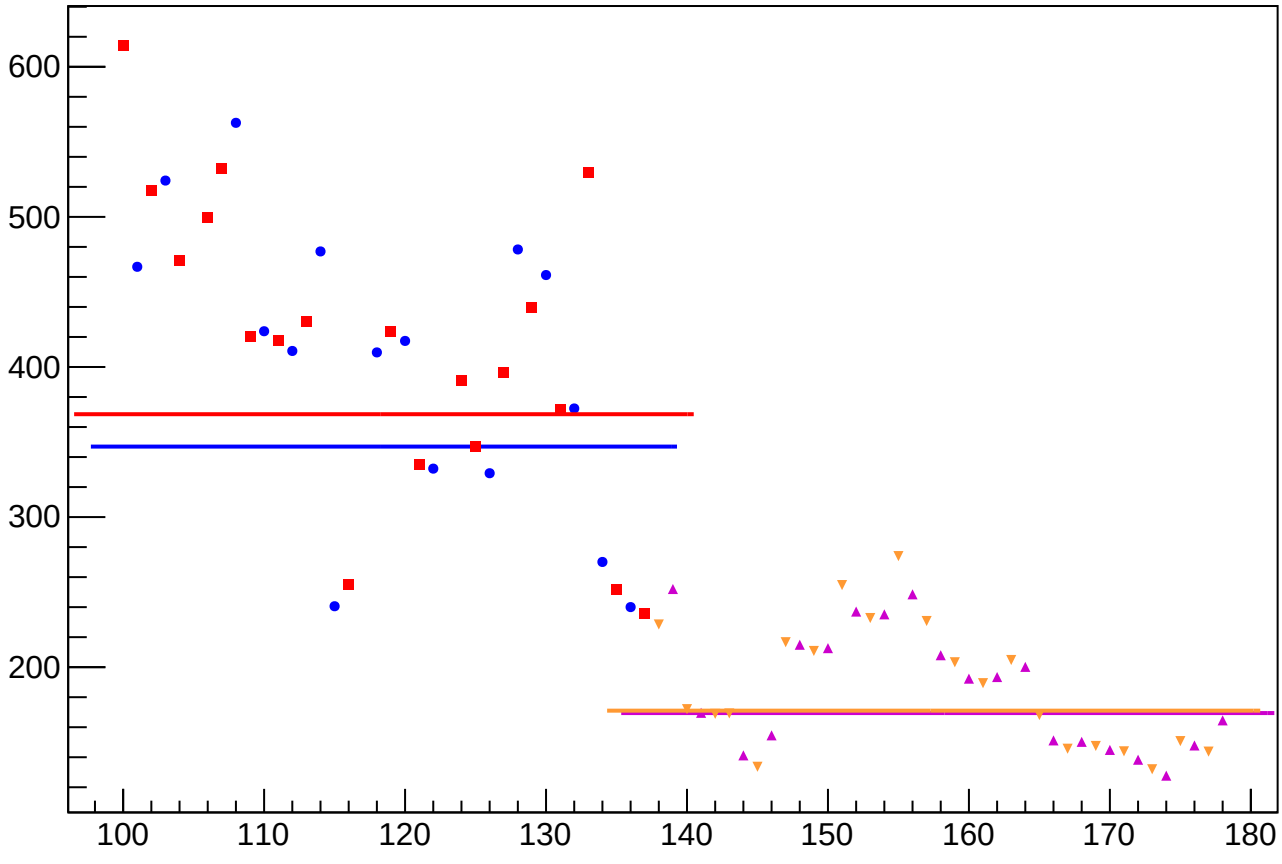
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 51.186+/-42.968 χ^2/NDF:22.1/19

+ sign 212.494+/-40.963 χ^2/NDF: 83.8/36

All: 141.503+/-29.007 χ^2/NDF: 125.7/75

- sign 70.099+/-41.081 χ^2/NDF: 36.0/38



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 171.033+/-0.030 χ^2/NDF:1466614.0/20

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

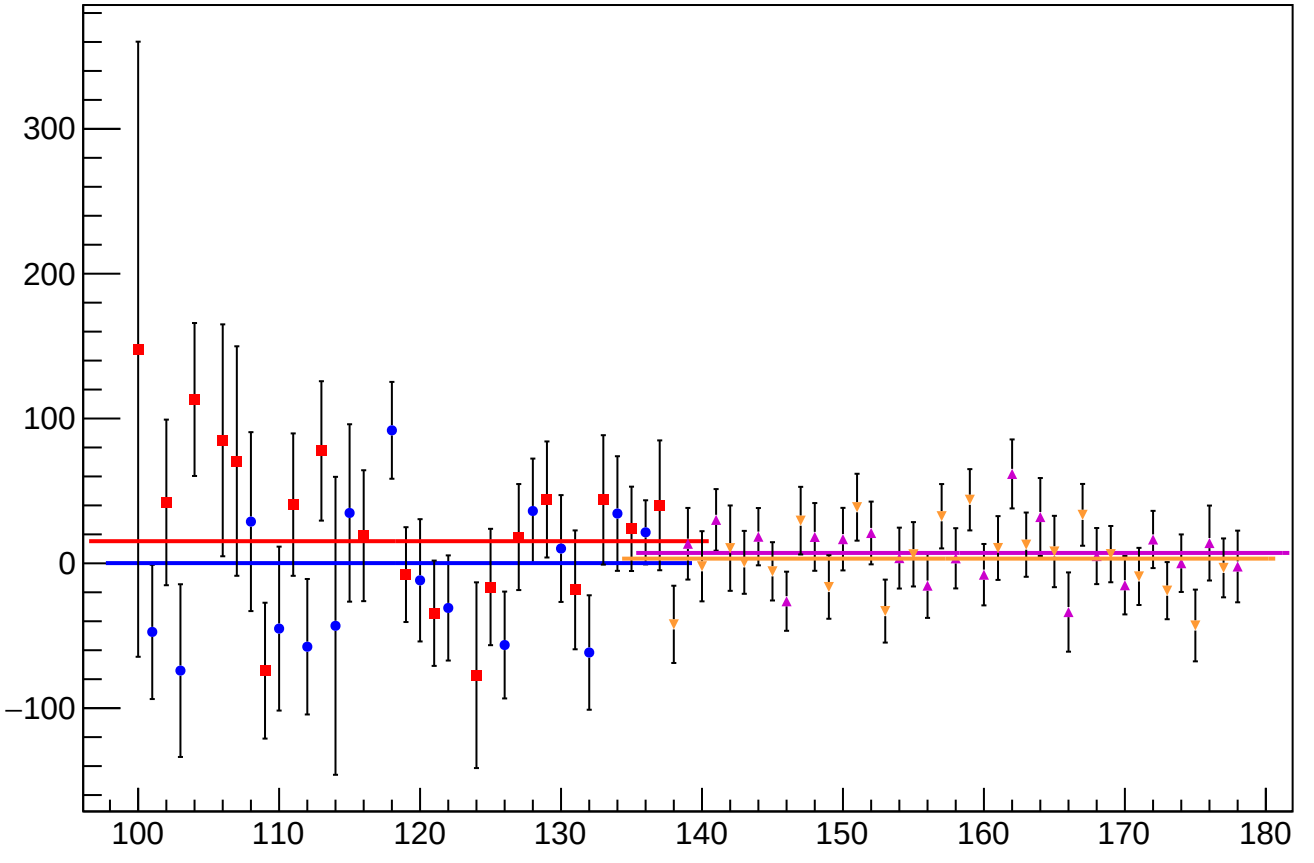
Left In: 169.426+/-0.030 χ^2/NDF:1378664.8/19

+ sign 187.262+/-0.029 χ^2/NDF: 5614072.1/36

All: 186.895+/-0.021 χ^2/NDF: 11581885.2/75

- sign 186.526+/-0.029 χ^2/NDF: 5967492.0/38

eigen_cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 3.250+/-4.833 χ^2/NDF:23.4/20

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

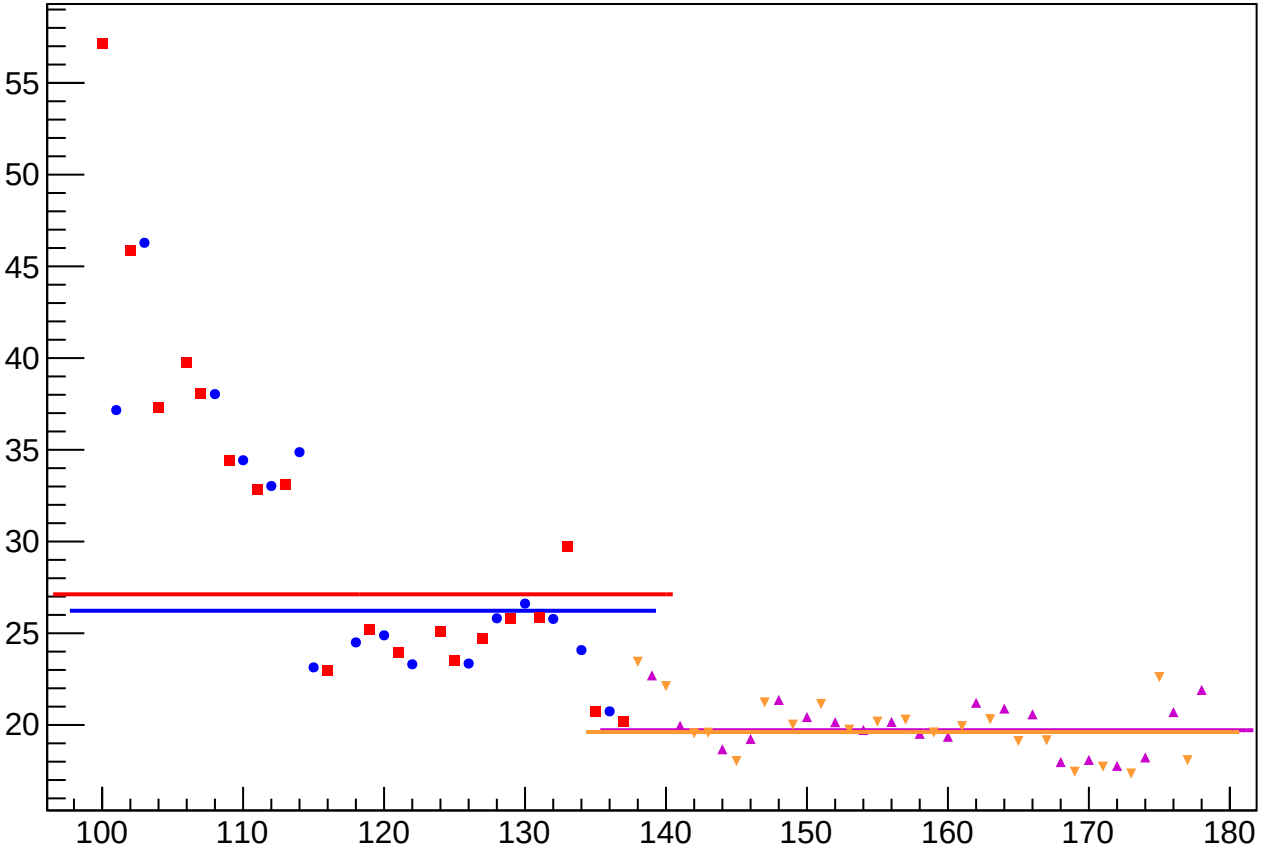
Left In: 7.178+/-4.906 χ^2/NDF:16.7/19

+ sign 2.669+/-4.355 χ^2/NDF: 44.8/36

All: 5.628+/-3.105 χ^2/NDF: 81.0/75

- sign 8.686+/-4.427 χ^2/NDF: 35.2/38

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 19.617+/-0.003 χ^2/NDF:211231.3/20

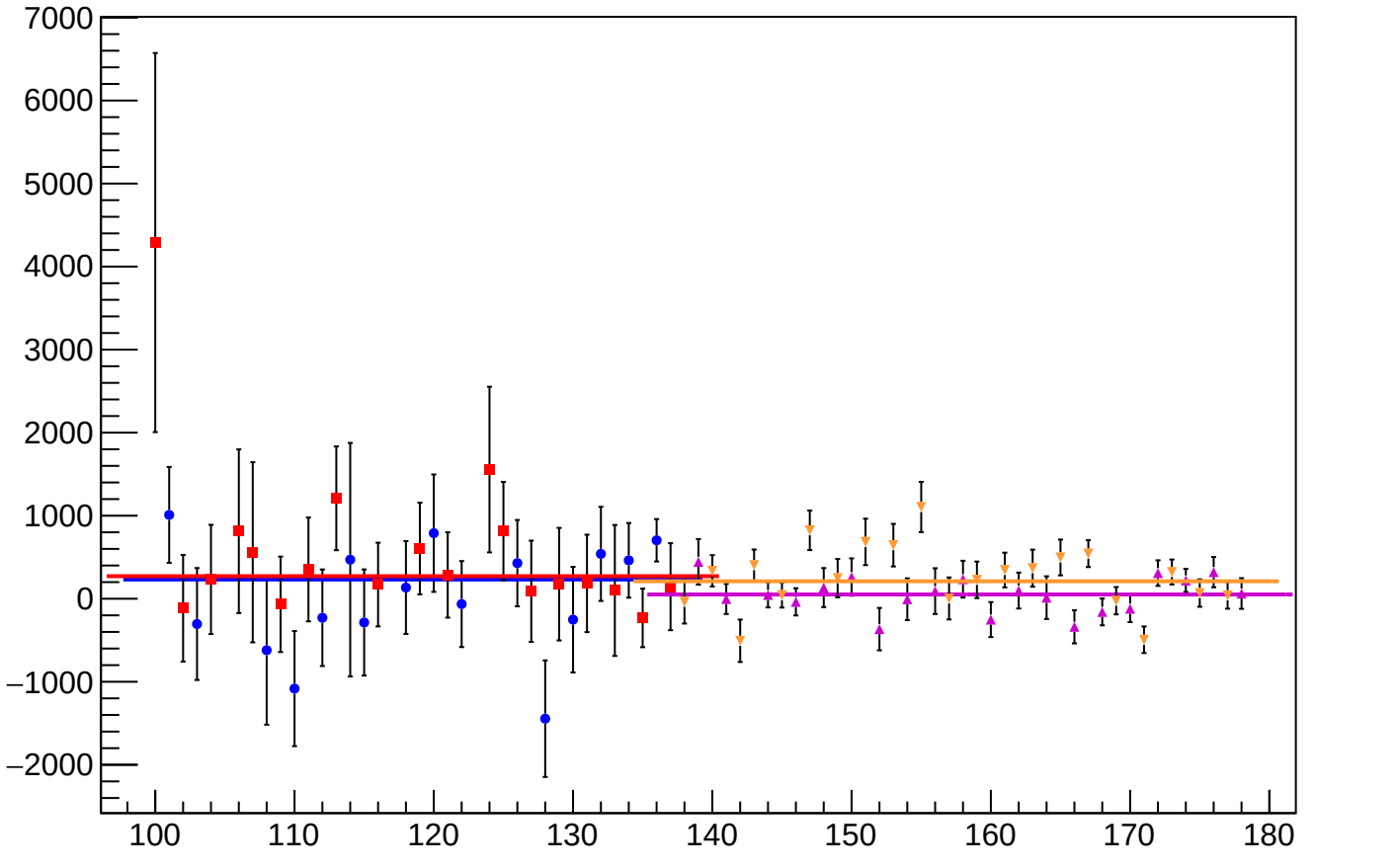
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 19.714+/-0.003 χ^2/NDF:142542.4/19

+ sign 20.859+/-0.003 χ^2/NDF: 1590169.4/36

All: 20.973+/-0.002 χ^2/NDF: 3328883.4/75

- sign 21.091+/-0.003 χ^2/NDF: 1735916.8/38



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 210.503+/-42.994 χ^2/NDF:64.1/20

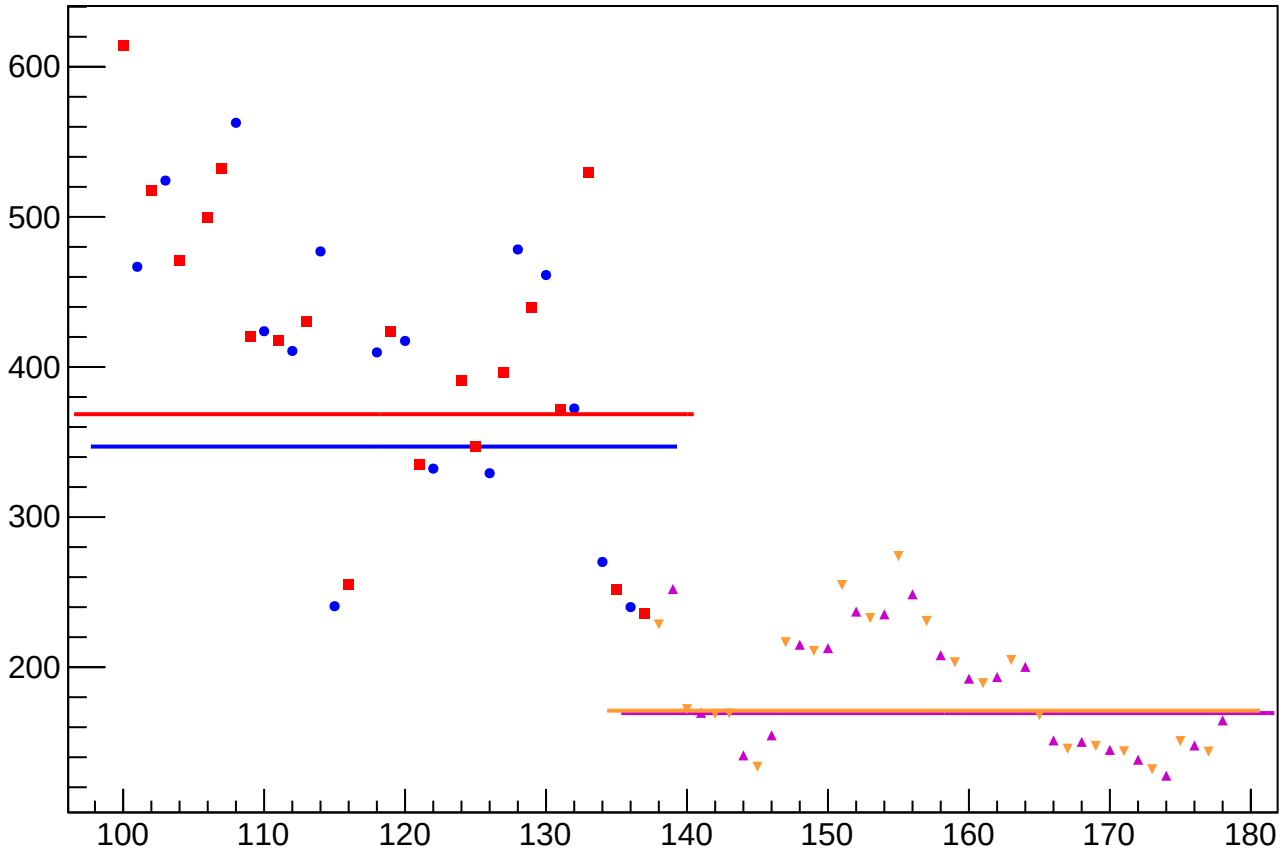
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 51.186+/-42.968 χ^2/NDF:22.1/19

+ sign 212.494+/-40.963 χ^2/NDF: 83.8/36

All: 141.503+/-29.007 χ^2/NDF: 125.7/75

- sign 70.099+/-41.081 χ^2/NDF: 36.0/38



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 171.033+/-0.030 χ^2/NDF:1466614.0/20

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

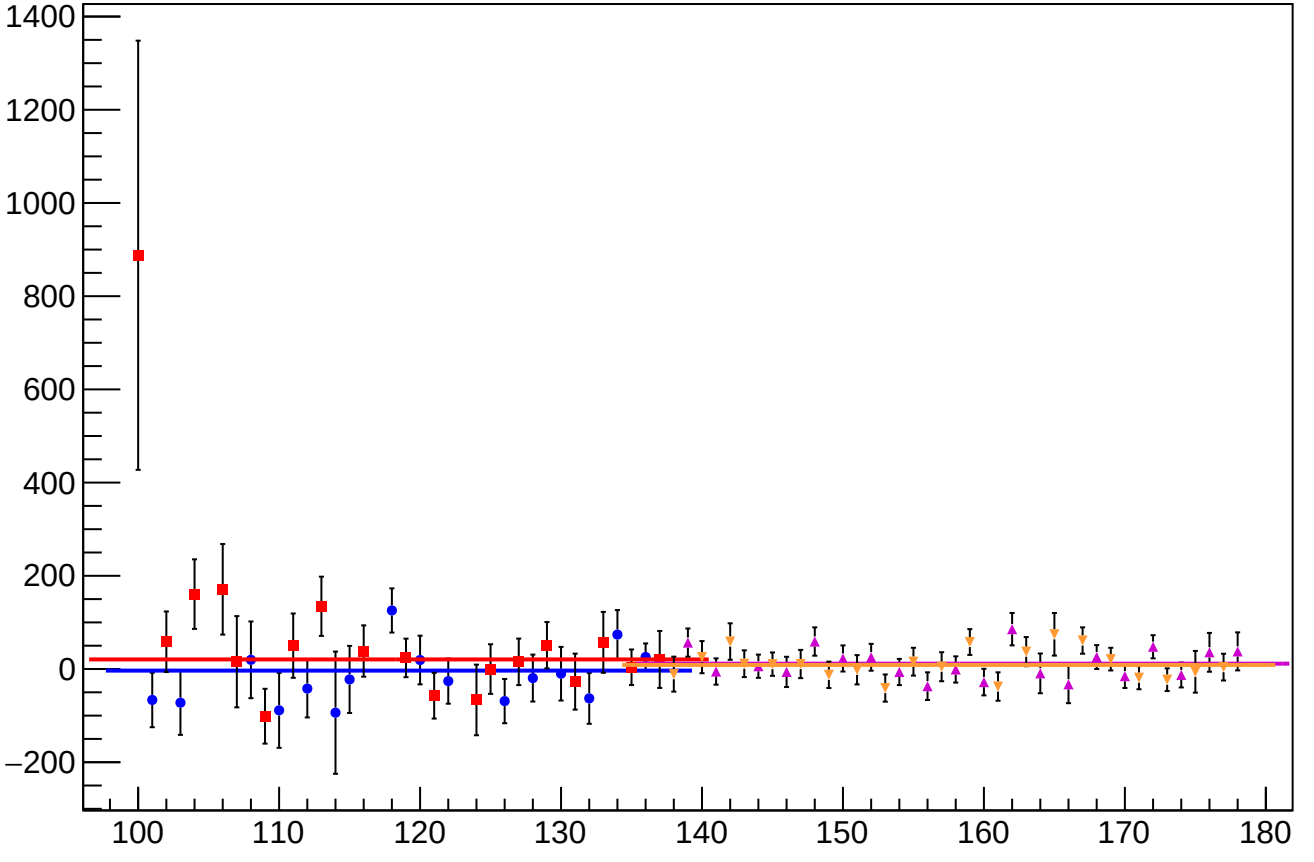
Left In: 169.426+/-0.030 χ^2/NDF:1378664.8/19

+ sign 187.262+/-0.029 χ^2/NDF: 5614072.1/36

All: 186.895+/-0.021 χ^2/NDF: 11581885.2/75

- sign 186.526+/-0.029 χ^2/NDF: 5967492.0/38

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 8.750+/-6.519 χ^2/NDF:20.9/20

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

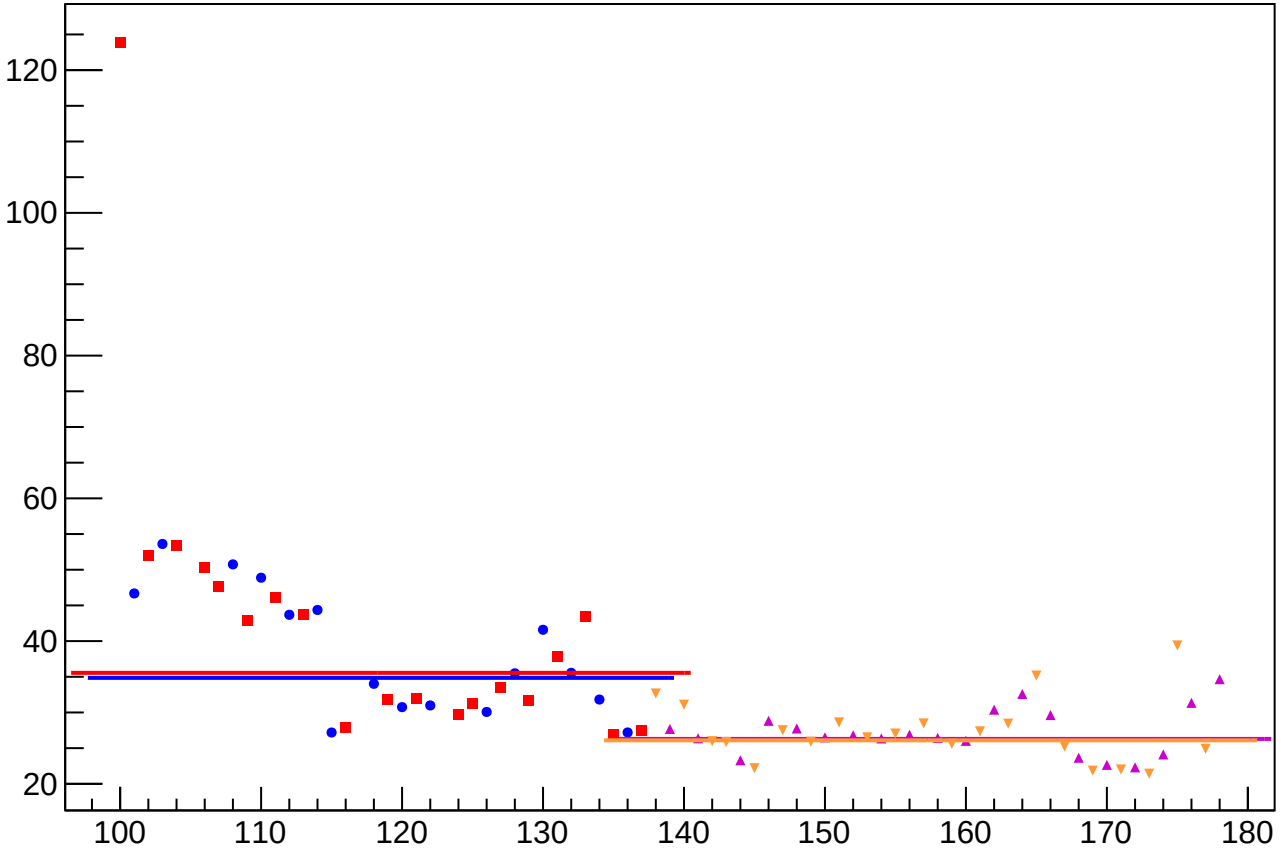
Left In: 11.471+/-6.648 χ^2/NDF:22.1/19

+ sign 6.418+/-5.861 χ^2/NDF: 40.1/36

All: 9.777+/-4.180 χ^2/NDF: 86.3/75

- sign 13.252+/-5.962 χ^2/NDF: 45.6/38

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 26.097+/-0.005 χ^2/NDF:647840.2/20

Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

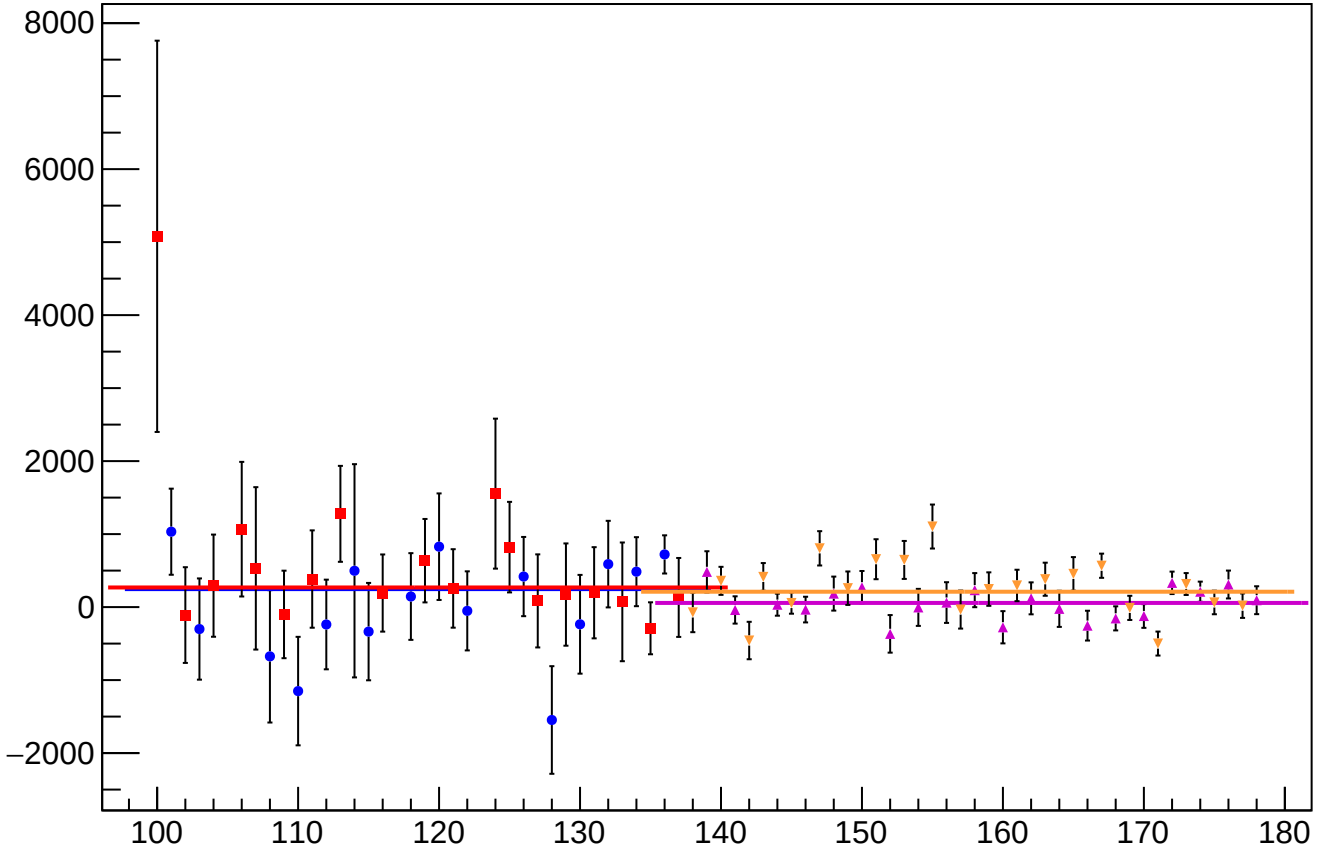
Left In: 26.296+/-0.005 χ^2/NDF:377330.6/19

+ sign 27.773+/-0.004 χ^2/NDF: 1996810.6/36

All: 27.938+/-0.003 χ^2/NDF: 3916371.2/75

- sign 28.108+/-0.004 χ^2/NDF: 1916351.4/38

asym_sam_1357_2468_dd_dit_correction_mean vs Slug



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 210.631+/-43.495 χ^2/NDF:61.9/20

Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

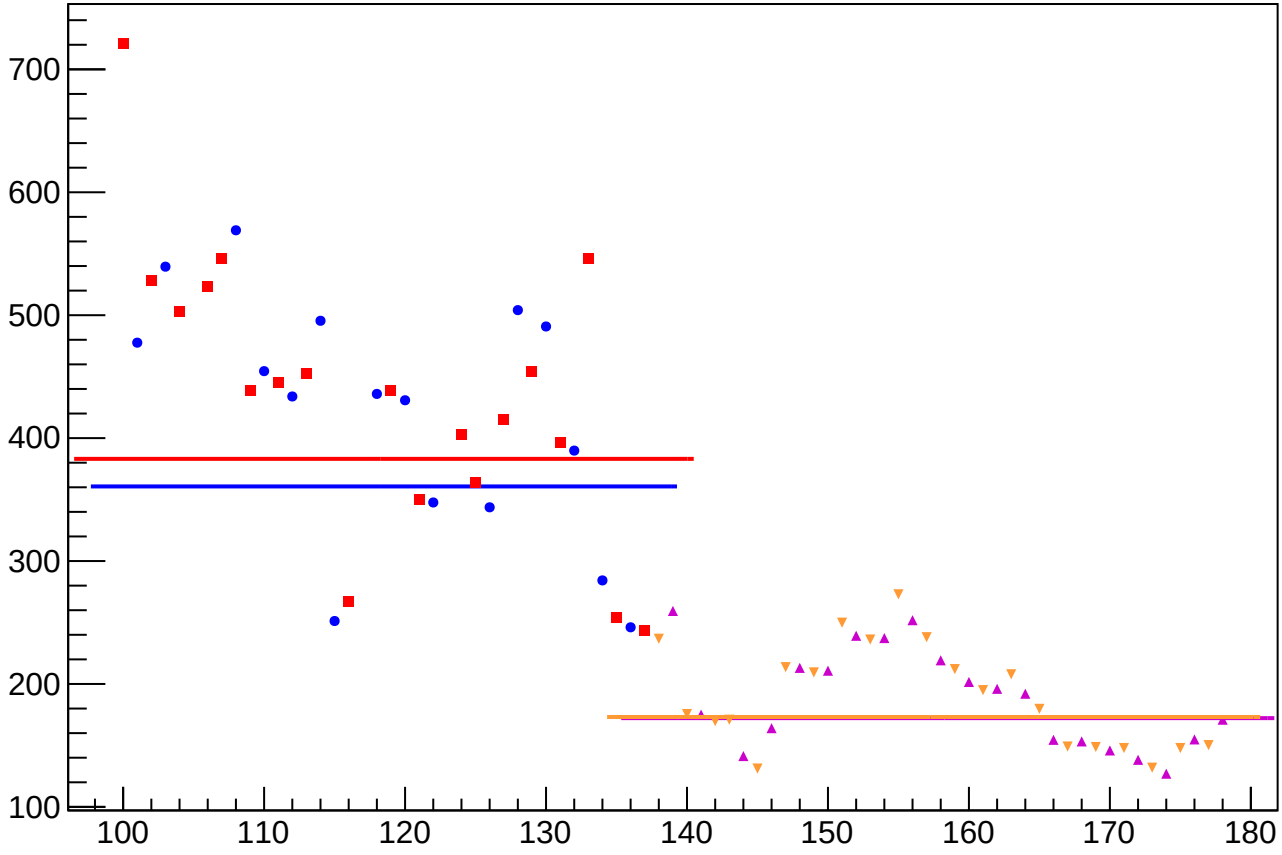
Left In: 57.068+/-43.699 χ^2/NDF:21.3/19

+ sign 213.778+/-41.543 χ^2/NDF: 81.7/36

All: 144.717+/-29.483 χ^2/NDF: 123.1/75

- sign 74.641+/-41.848 χ^2/NDF: 35.8/38

asym_sam_1357_2468_dd_dit_correction_rms vs Slug



Right In: 360.692+/-0.099 χ^2/NDF: 1092760.6/15

Left Out: 173.125+/-0.031 χ^2/NDF:1499747.6/20

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

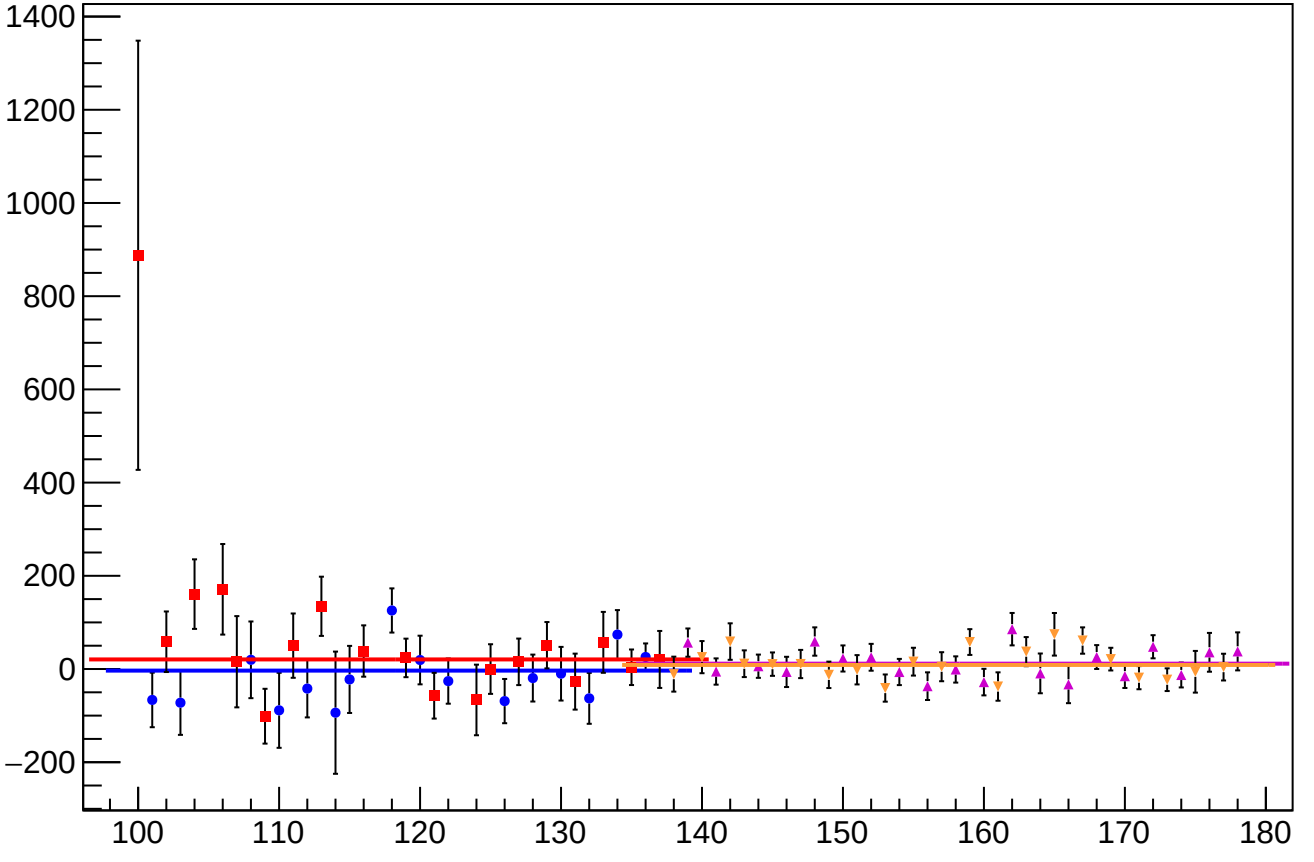
Left In: 172.201+/-0.031 χ^2/NDF:1406426.3/19

+ sign 189.576+/-0.029 χ^2/NDF: 5854772.8/36

All: 189.637+/-0.021 χ^2/NDF: 12089755.2/75

- sign 189.699+/-0.030 χ^2/NDF: 6234973.8/38

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 8.750+/-6.519 χ^2/NDF:20.9/20

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

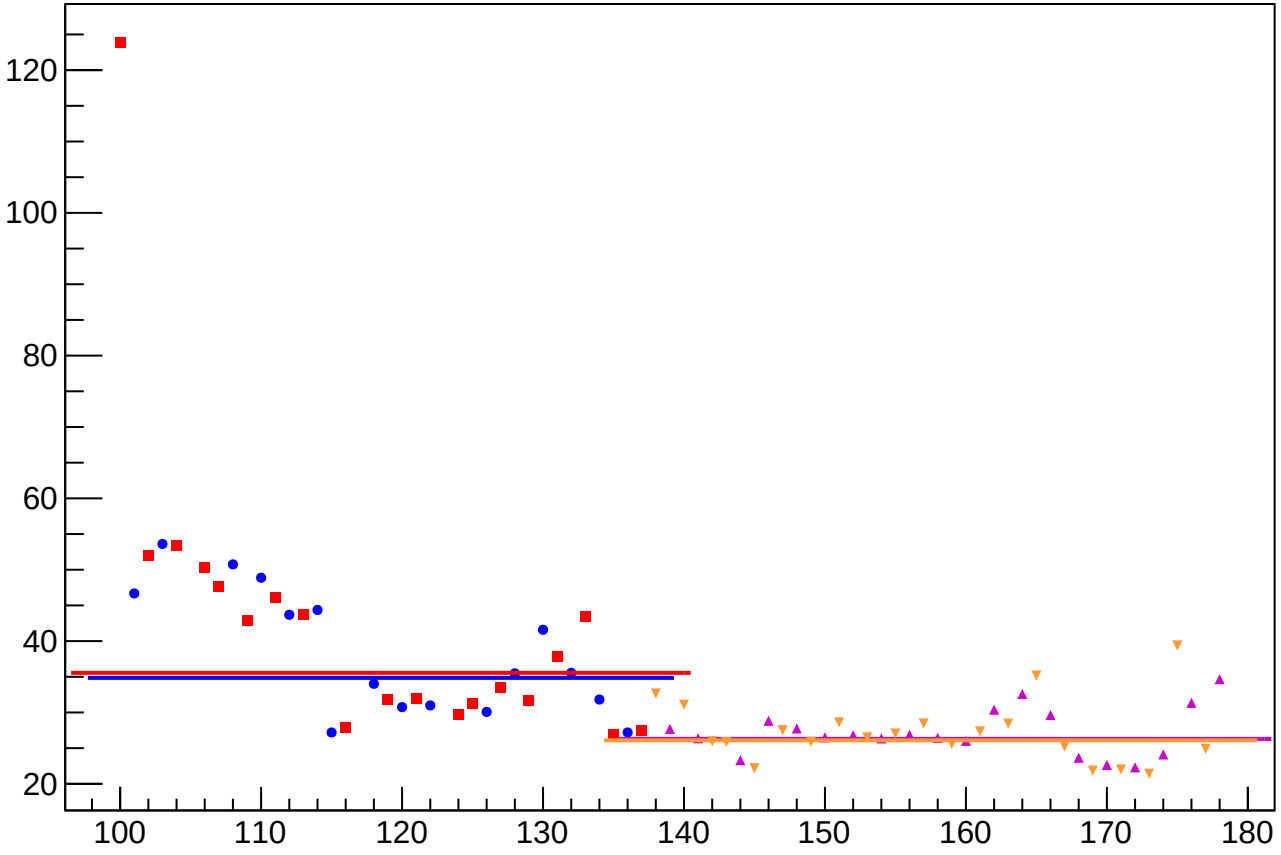
Left In: 11.470+/-6.648 χ^2/NDF:22.1/19

+ sign 6.418+/-5.861 χ^2/NDF: 40.1/36

All: 9.777+/-4.180 χ^2/NDF: 86.3/75

- sign 13.252+/-5.962 χ^2/NDF: 45.6/38

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 26.097+/-0.005 χ^2/NDF:647833.7/20

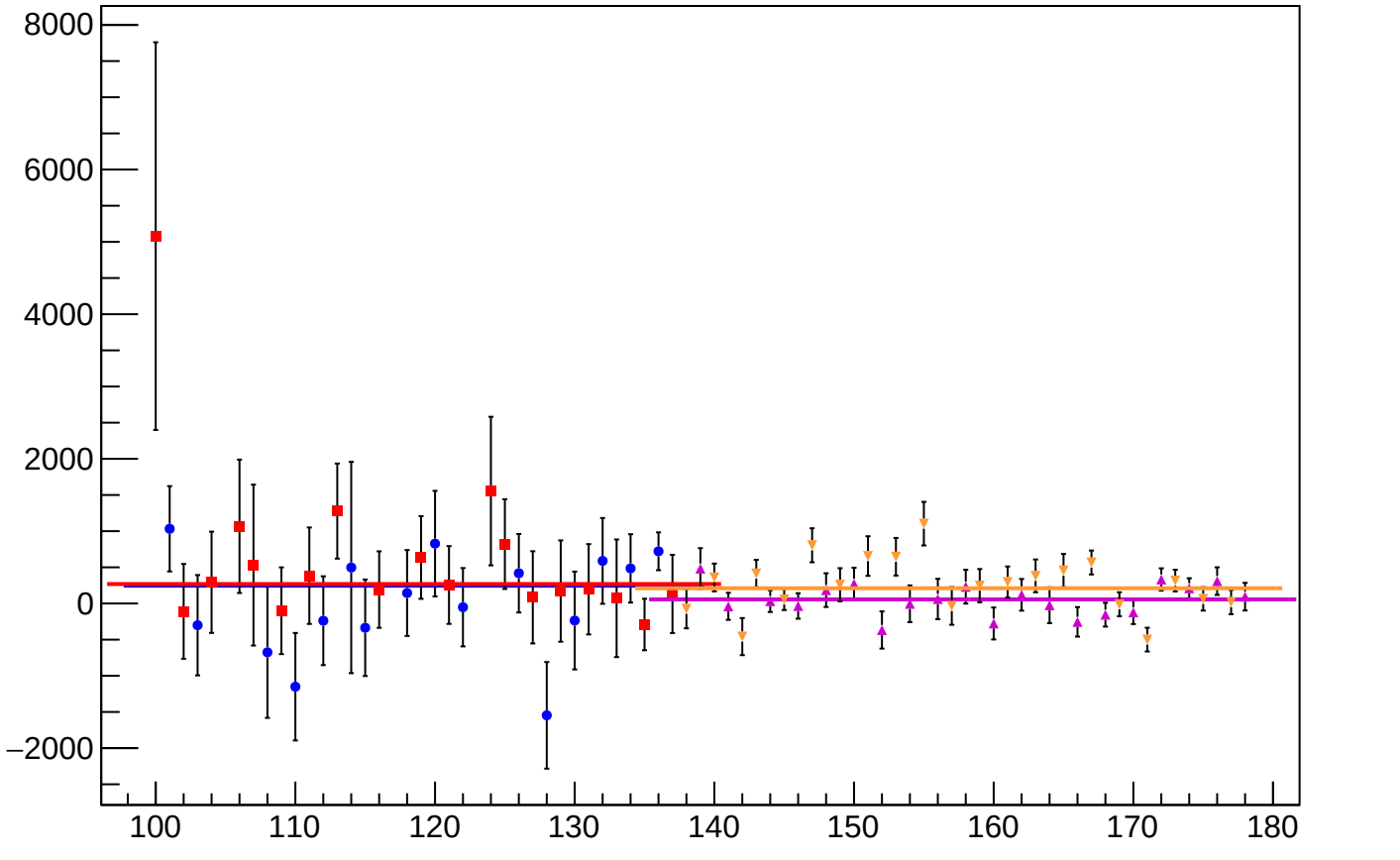
Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 26.296+/-0.005 χ^2/NDF:377329.1/19

+ sign 27.773+/-0.004 χ^2/NDF: 1996677.3/36

All: 27.938+/-0.003 χ^2/NDF: 3916143.3/75

- sign 28.108+/-0.004 χ^2/NDF: 1916257.0/38



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 210.630+/-43.494 χ^2/NDF:61.9/20

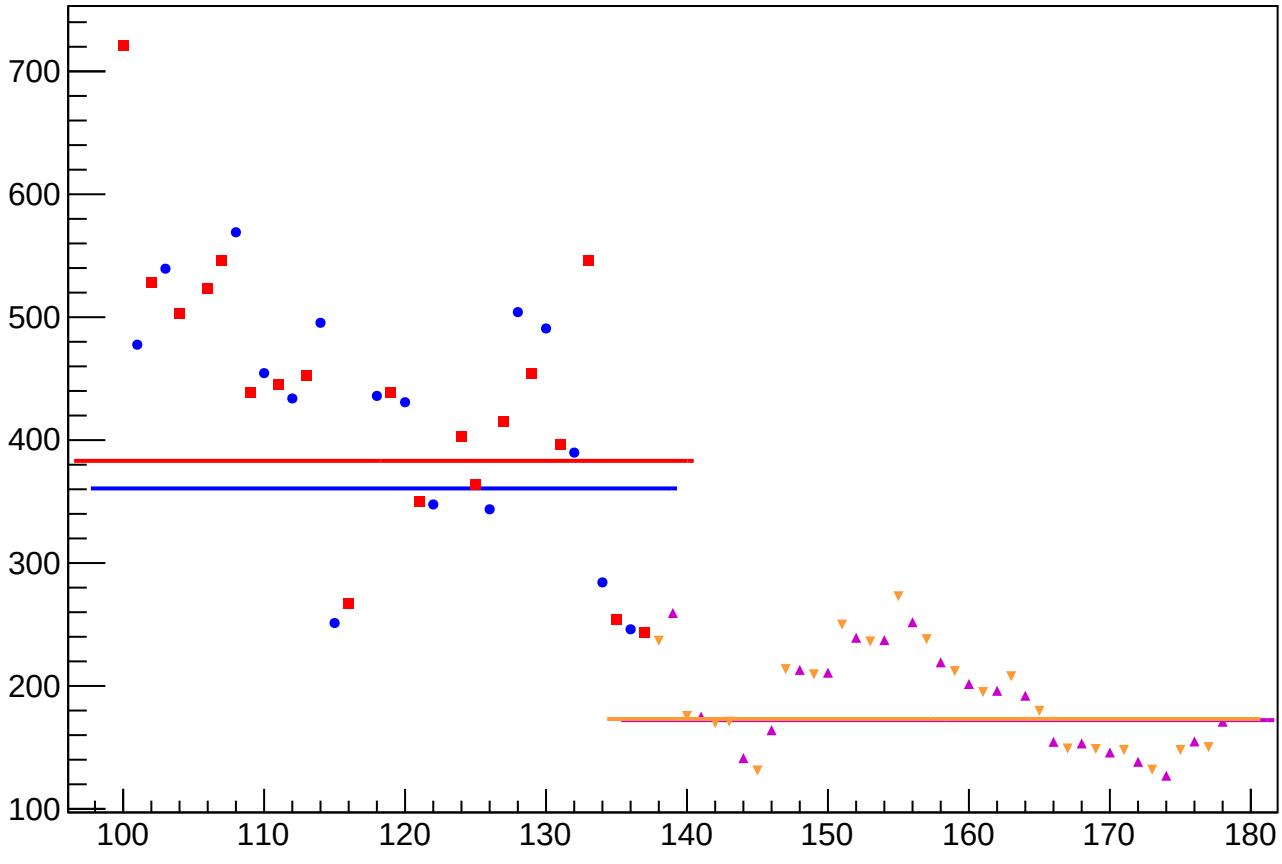
Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 57.068+/-43.699 χ^2/NDF:21.3/19

+ sign 213.777+/-41.543 χ^2/NDF: 81.7/36

All: 144.717+/-29.483 χ^2/NDF: 123.1/75

- sign 74.641+/-41.848 χ^2/NDF: 35.8/38



Right In: 360.691+/-0.099 χ^2/NDF: 1092752.5/15

Left Out: 173.124+/-0.031 χ^2/NDF:1499763.9/20

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

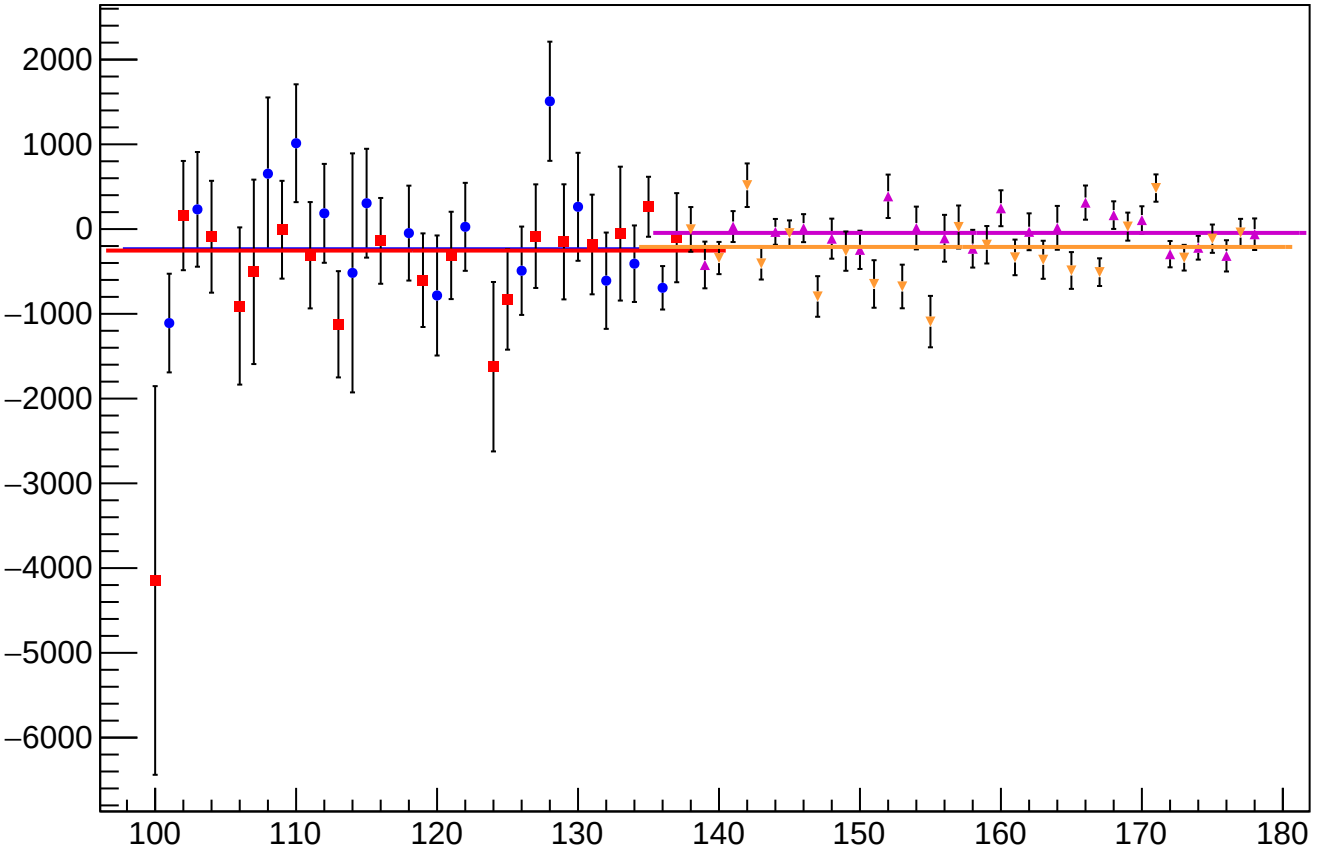
Left In: 172.200+/-0.031 χ^2/NDF:1406440.5/19

+ sign 189.576+/-0.029 χ^2/NDF: 5854783.3/36

All: 189.636+/-0.021 χ^2/NDF: 12089784.7/75

- sign 189.698+/-0.030 χ^2/NDF: 6234992.8/38

asym_sam_1357_2468_dd_mean vs Slug



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -210.626+/-43.302 χ^2/NDF:60.9/20

Right Out: -253.445+/-140.414 χ^2/NDF: 11.7/18

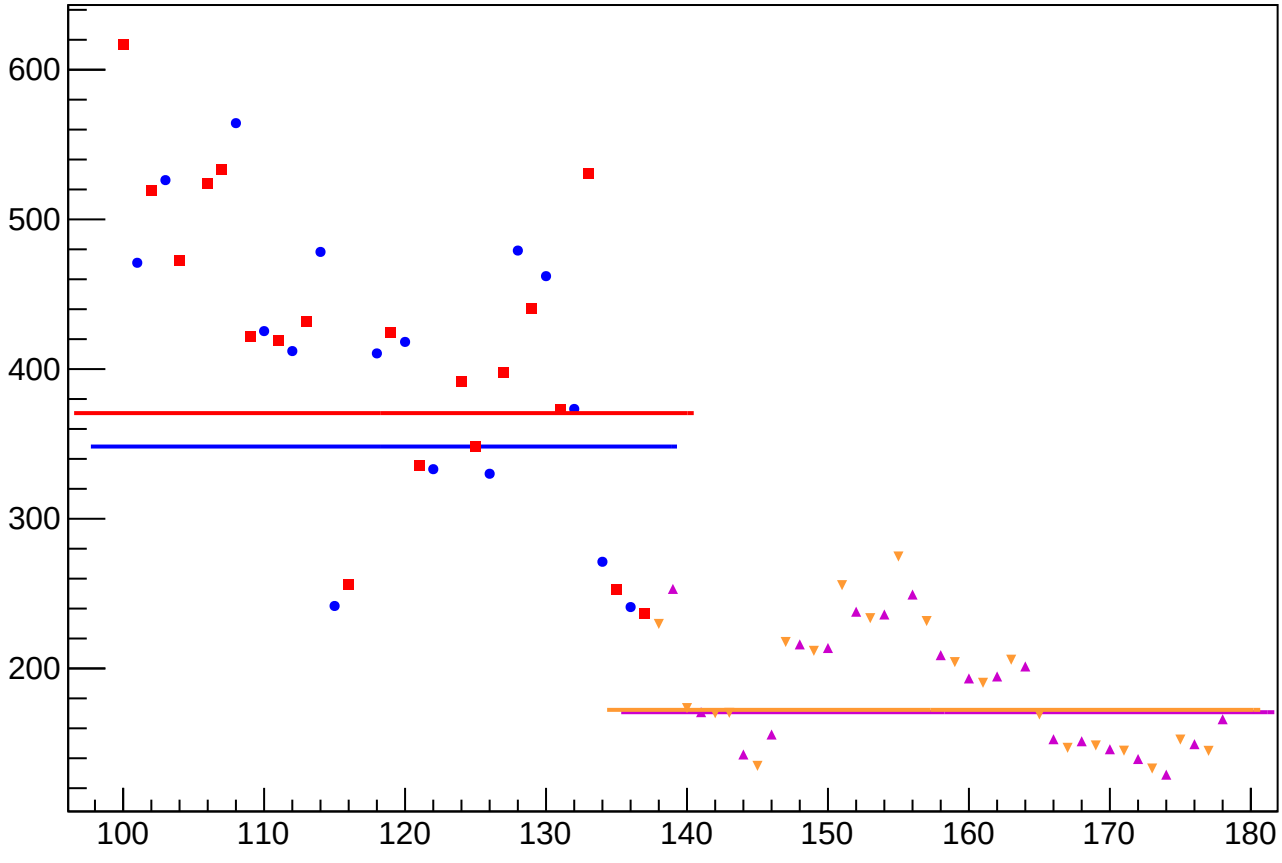
Left In: -45.074+/-43.288 χ^2/NDF:20.6/19

+ sign -213.172+/-41.243 χ^2/NDF: 80.9/36

All: -138.391+/-29.207 χ^2/NDF: 121.8/75

- sign -63.160+/-41.367 χ^2/NDF: 34.3/38

asym_sam_1357_2468_dd_rms vs Slug



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 172.335+/-0.031 χ^2/NDF:1441827.6/20

Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

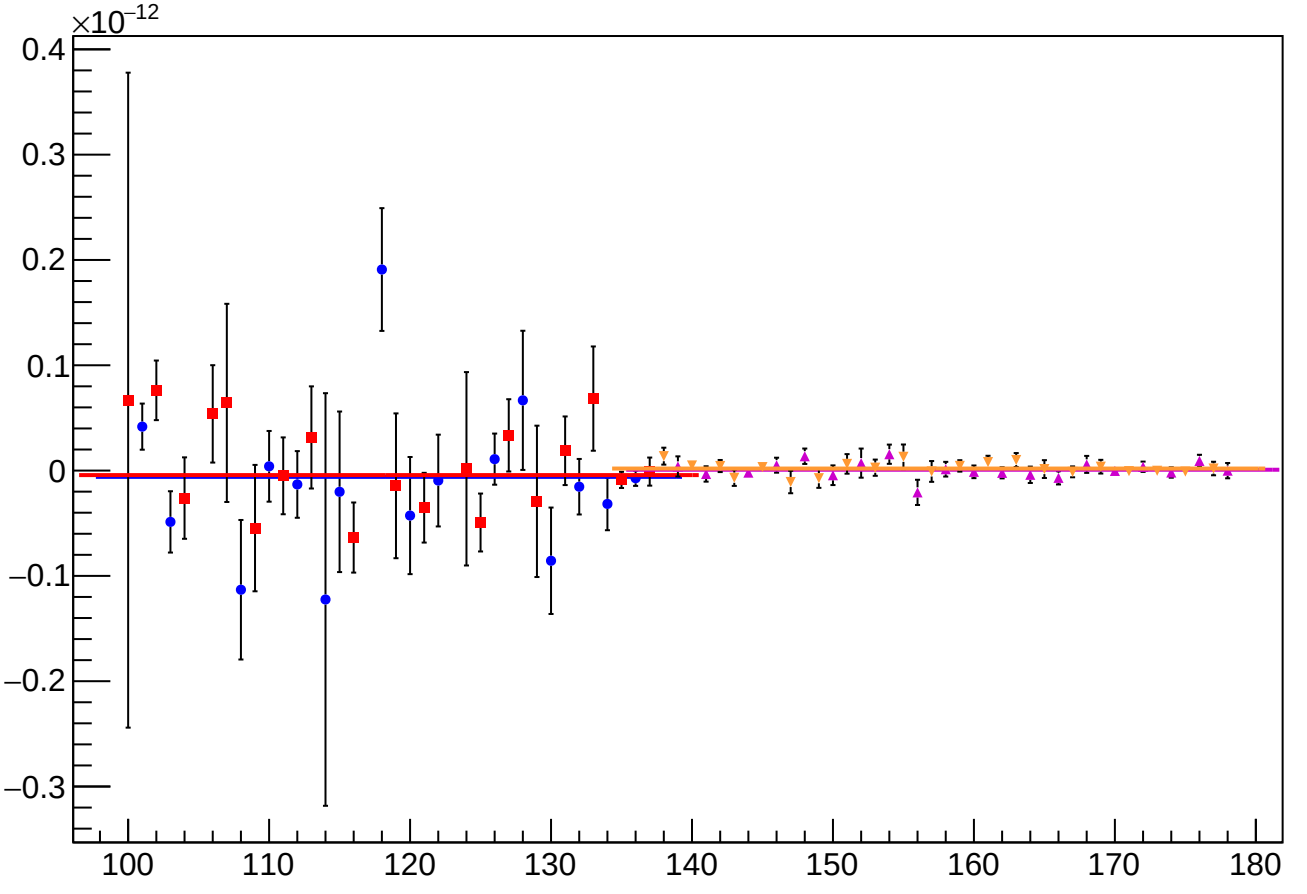
Left In: 170.765+/-0.031 χ^2/NDF:1352748.2/19

+ sign 188.670+/-0.029 χ^2/NDF: 5563537.5/36

All: 188.390+/-0.021 χ^2/NDF: 11533150.2/75

- sign 188.108+/-0.029 χ^2/NDF: 5969428.0/38

asym_sam_1357_2468_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.6/20

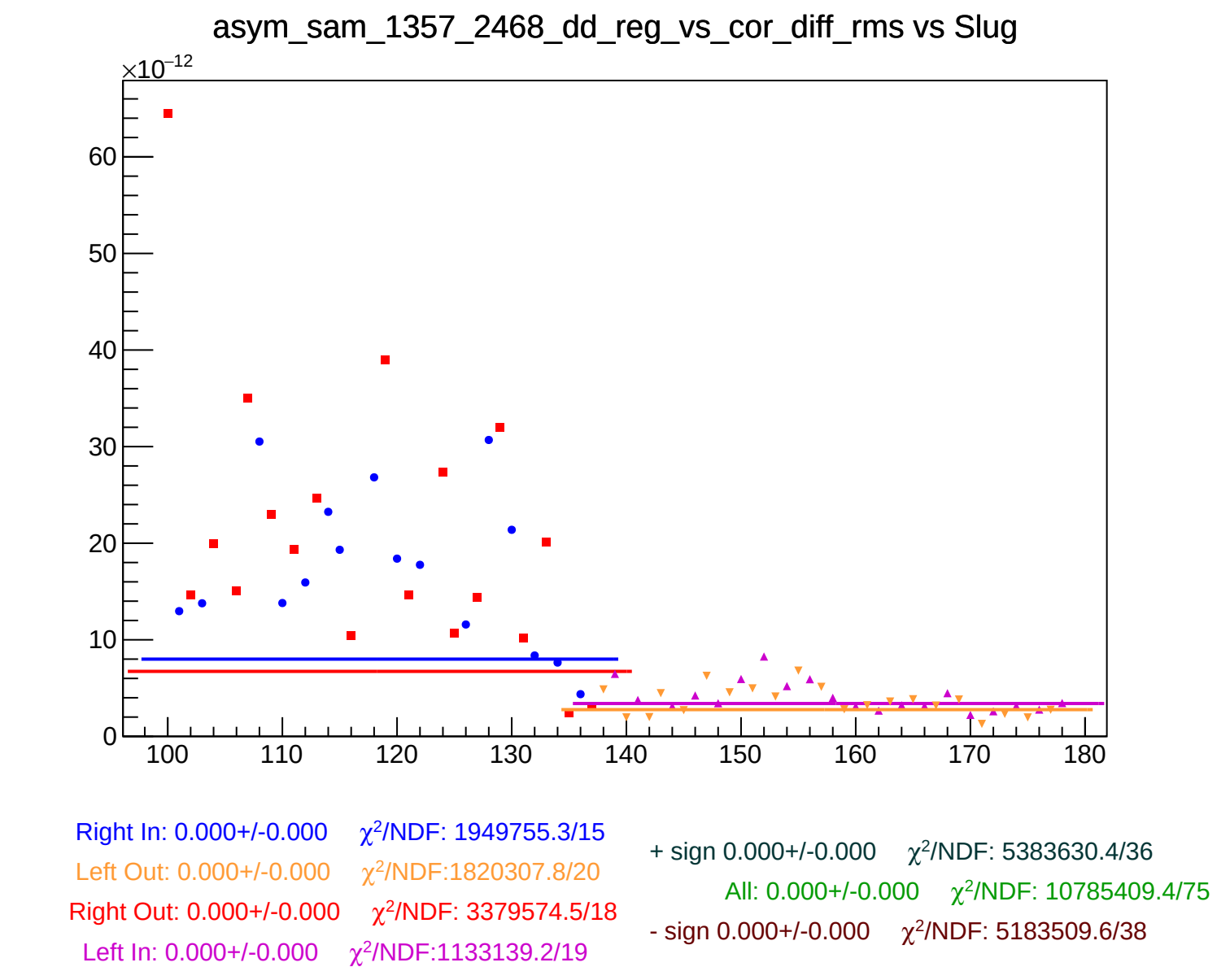
Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/18

Left In: 0.000+/-0.000 χ^2/NDF:16.0/19

+ sign 0.000+/-0.000 χ^2/NDF: 41.8/36

All: 0.000+/-0.000 χ^2/NDF: 81.9/75

- sign 0.000+/-0.000 χ^2/NDF: 39.7/38


asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs Slug
×10^−12
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110
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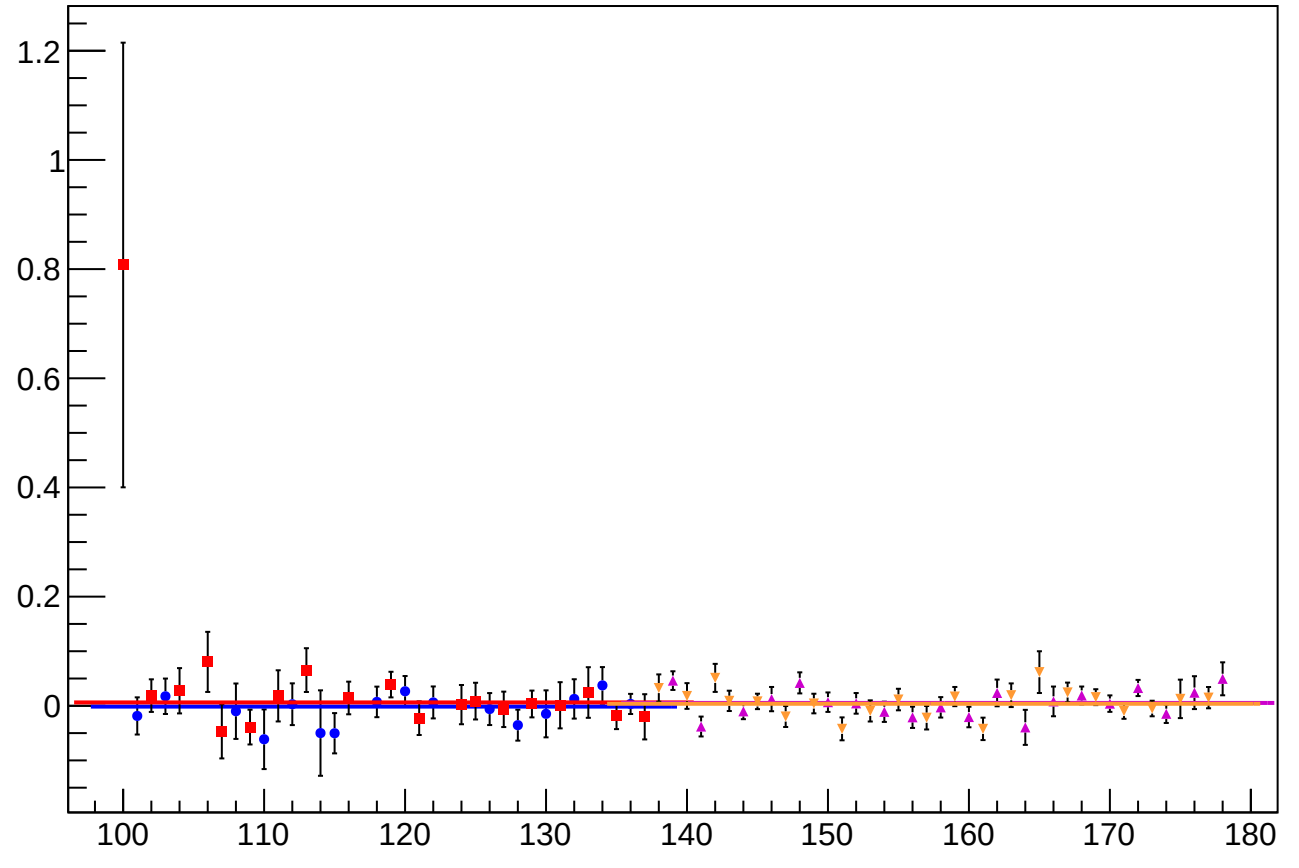
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1949755.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1820307.8/20
Right Out: 0.000+/-0.000 χ²/NDF: 3379574.5/18
Left In: 0.000+/-0.000 χ²/NDF:1133139.2/19
+ sign 0.000+/-0.000 χ²/NDF: 5383630.4/36
All: 0.000+/-0.000 χ²/NDF: 10785409.4/75
- sign 0.000+/-0.000 χ²/NDF: 5183509.6/38



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.004 χ^2/NDF:25.6/20

Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

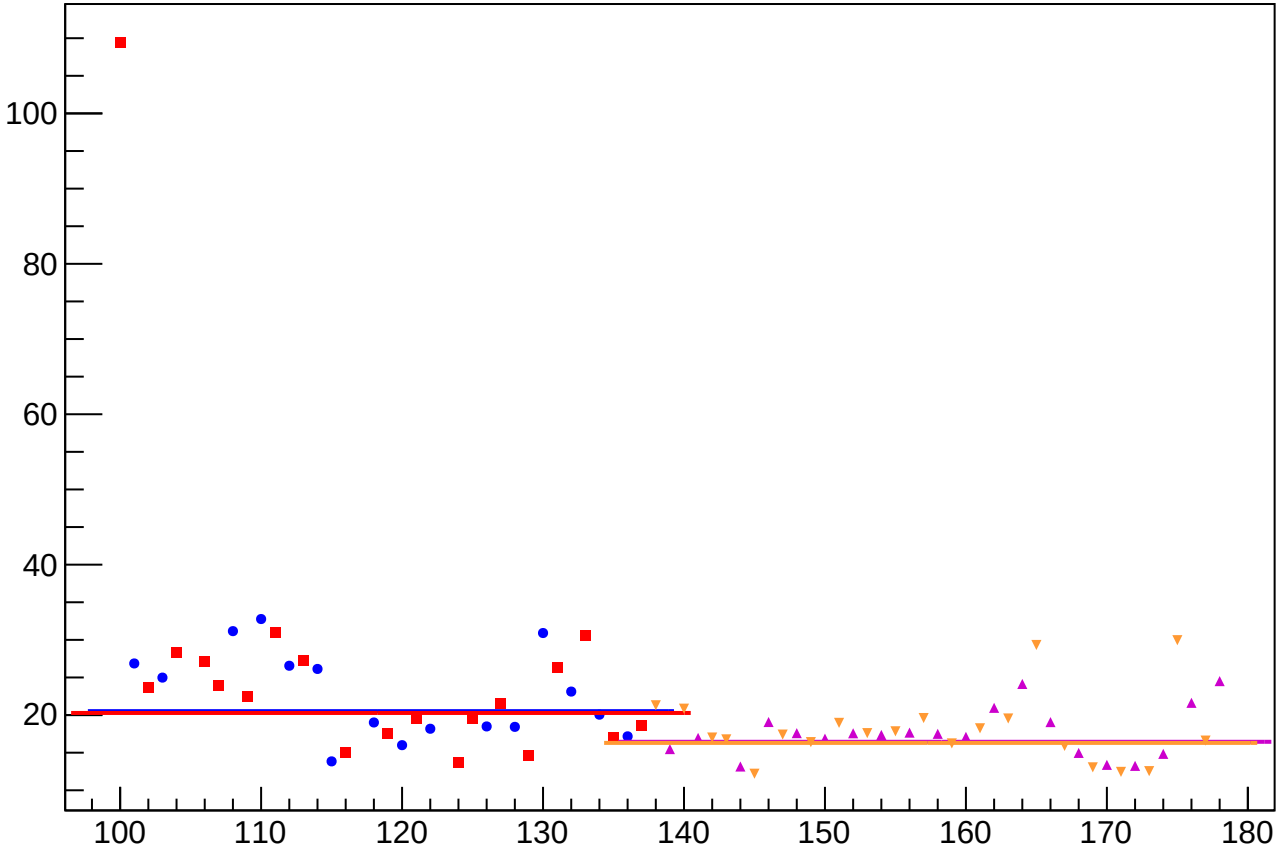
Left In: 0.005+/-0.004 χ^2/NDF:31.4/19

+ sign 0.003+/-0.004 χ^2/NDF: 34.2/36

All: 0.004+/-0.003 χ^2/NDF: 82.1/75

- sign 0.005+/-0.004 χ^2/NDF: 47.7/38

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: 16.302+/-0.003 χ^2/NDF:1413652.1/20

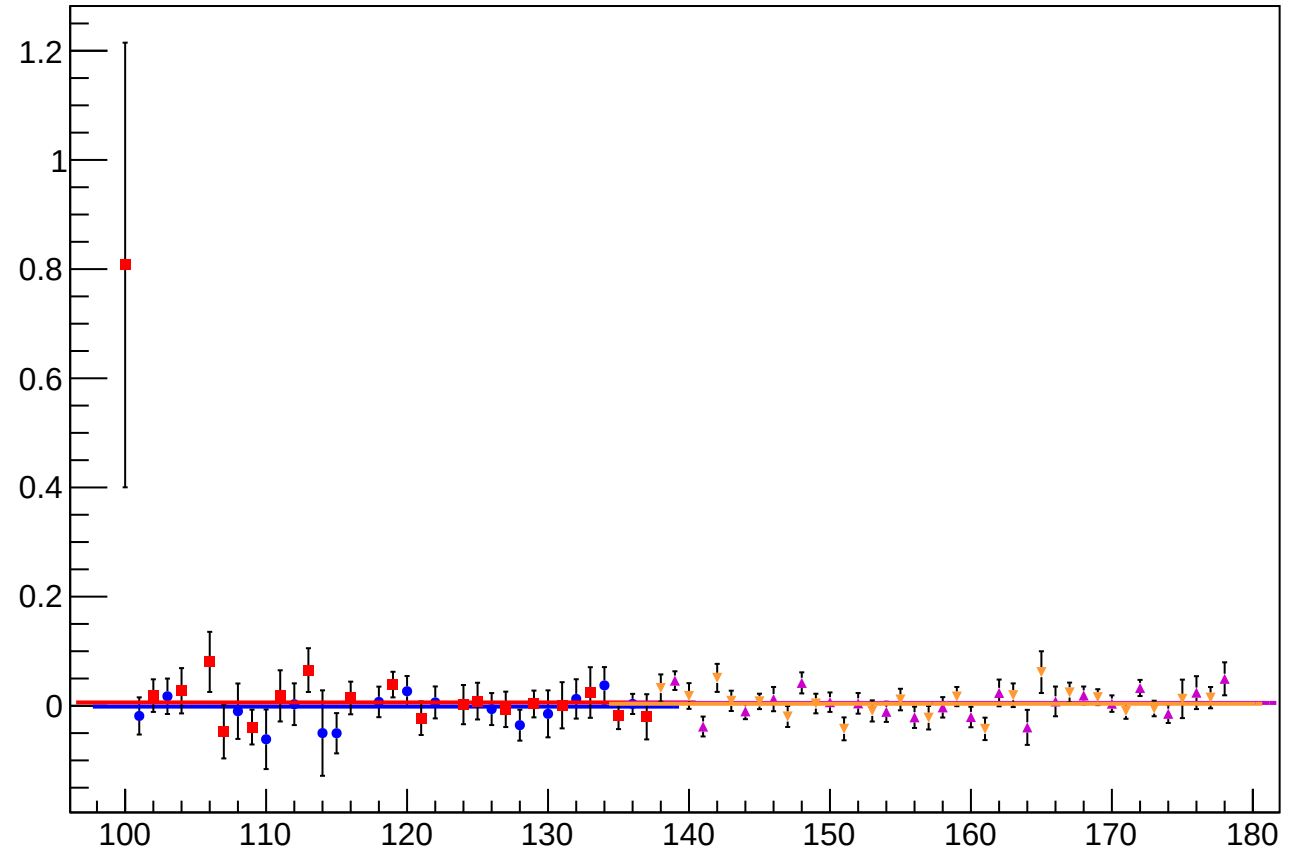
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.448+/-0.003 χ^2/NDF:790831.6/19

\+ sign 17.190+/-0.003 χ^2/NDF: 2552502.6/36

All: 17.249+/-0.002 χ^2/NDF: 4575426.9/75

\- sign 17.309+/-0.003 χ^2/NDF: 2021891.9/38



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.004 χ^2/NDF:25.6/20

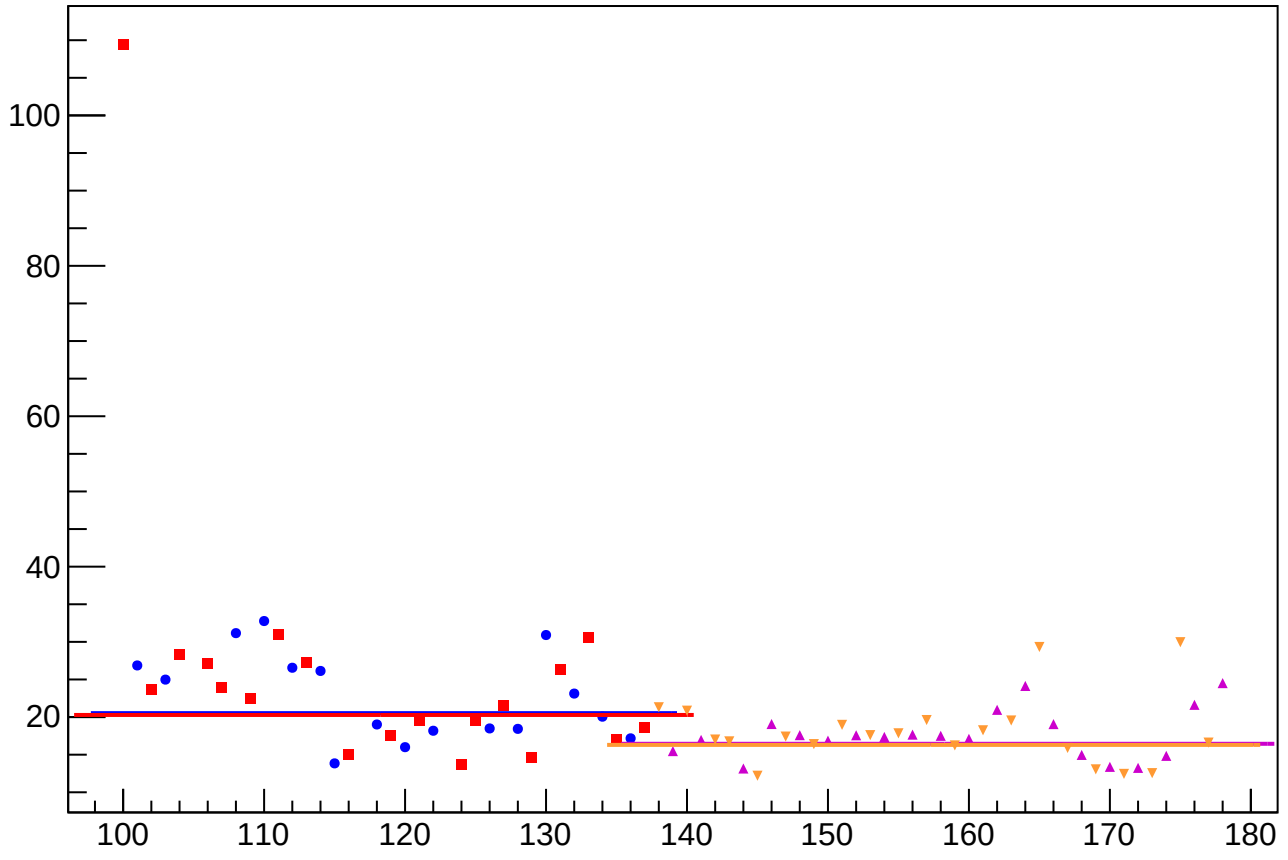
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.005+/-0.004 χ^2/NDF:31.4/19

+ sign 0.003+/-0.004 χ^2/NDF: 34.2/36

All: 0.004+/-0.003 χ^2/NDF: 82.1/75

- sign 0.005+/-0.004 χ^2/NDF: 47.7/38



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 16.302+/-0.003 χ^2/NDF:1413652.1/20

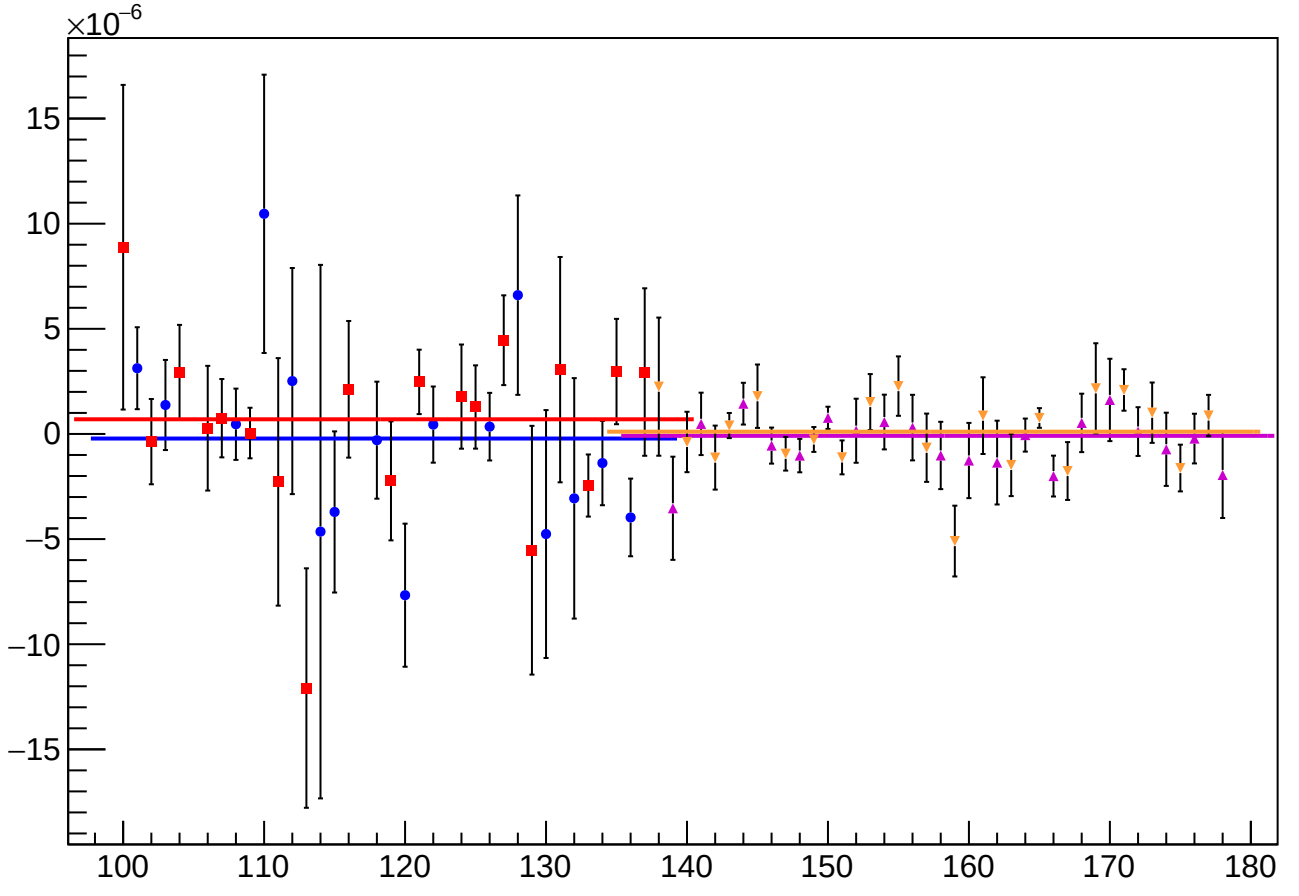
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.448+/-0.003 χ^2/NDF:790831.6/19

\+ sign 17.190+/-0.003 χ^2/NDF: 2552502.6/36

All: 17.249+/-0.002 χ^2/NDF: 4575426.9/75

\- sign 17.309+/-0.003 χ^2/NDF: 2021891.9/38



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.9/20

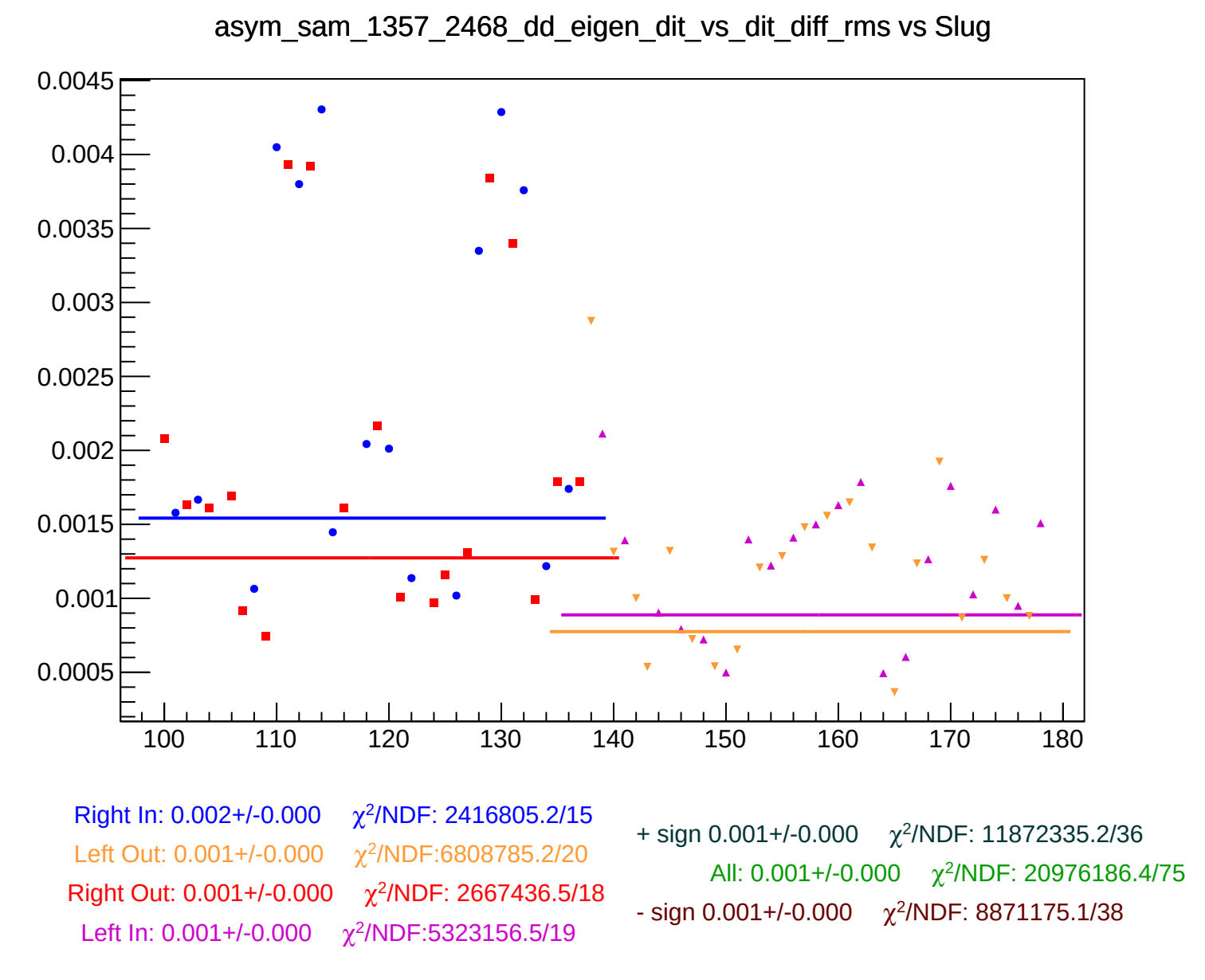
Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/18

Left In: -0.000+/-0.000 χ^2/NDF:16.2/19

+ sign 0.000+/-0.000 χ^2/NDF: 54.0/36

All: 0.000+/-0.000 χ^2/NDF: 93.0/75

- sign 0.000+/-0.000 χ^2/NDF: 39.0/38


asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug
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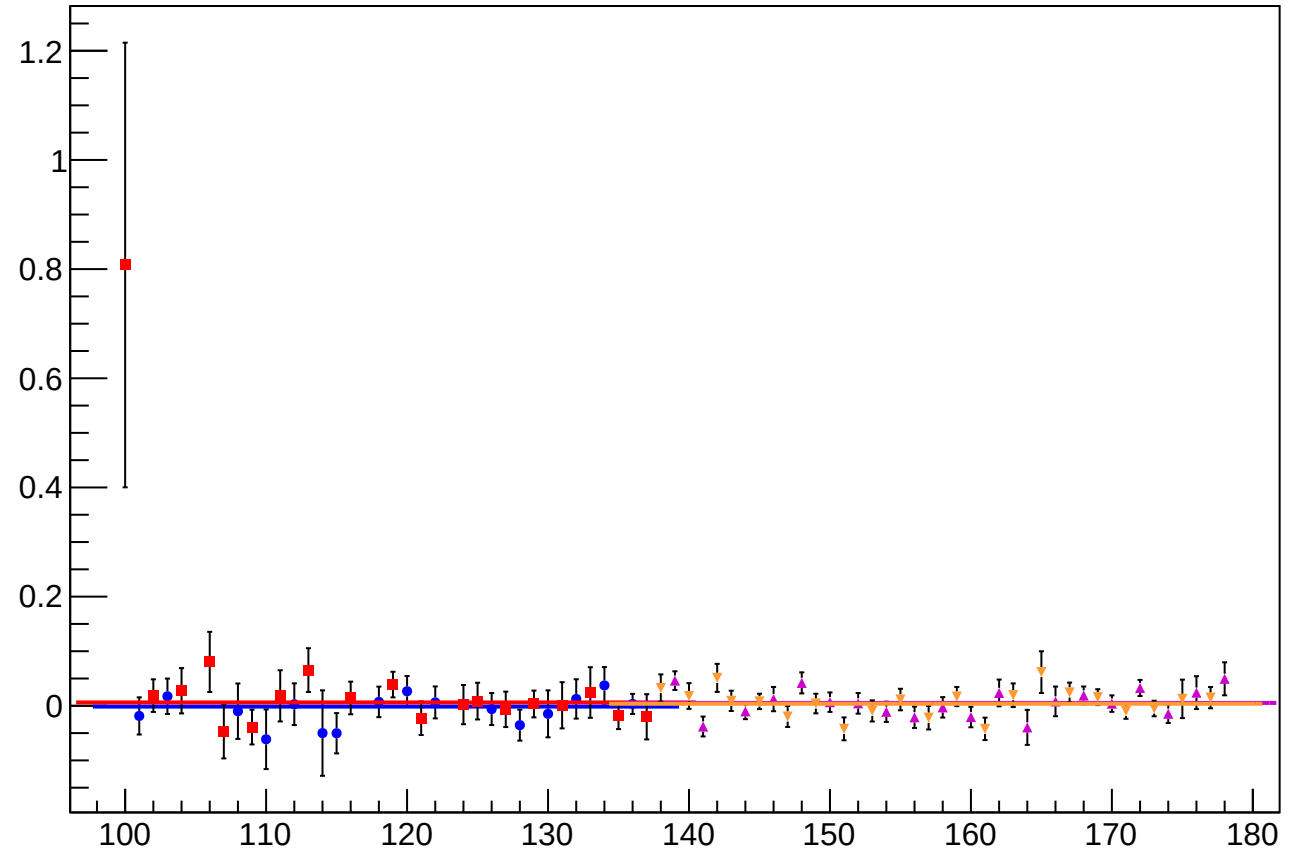
Right In: 0.002+/-0.000 χ²/NDF: 2416805.2/15
Left Out: 0.001+/-0.000 χ²/NDF:6808785.2/20
Right Out: 0.001+/-0.000 χ²/NDF: 2667436.5/18
Left In: 0.001+/-0.000 χ²/NDF:5323156.5/19
+ sign 0.001+/-0.000 χ²/NDF: 11872335.2/36
All: 0.001+/-0.000 χ²/NDF: 20976186.4/75
- sign 0.001+/-0.000 χ²/NDF: 8871175.1/38



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.004 χ^2/NDF:25.6/20

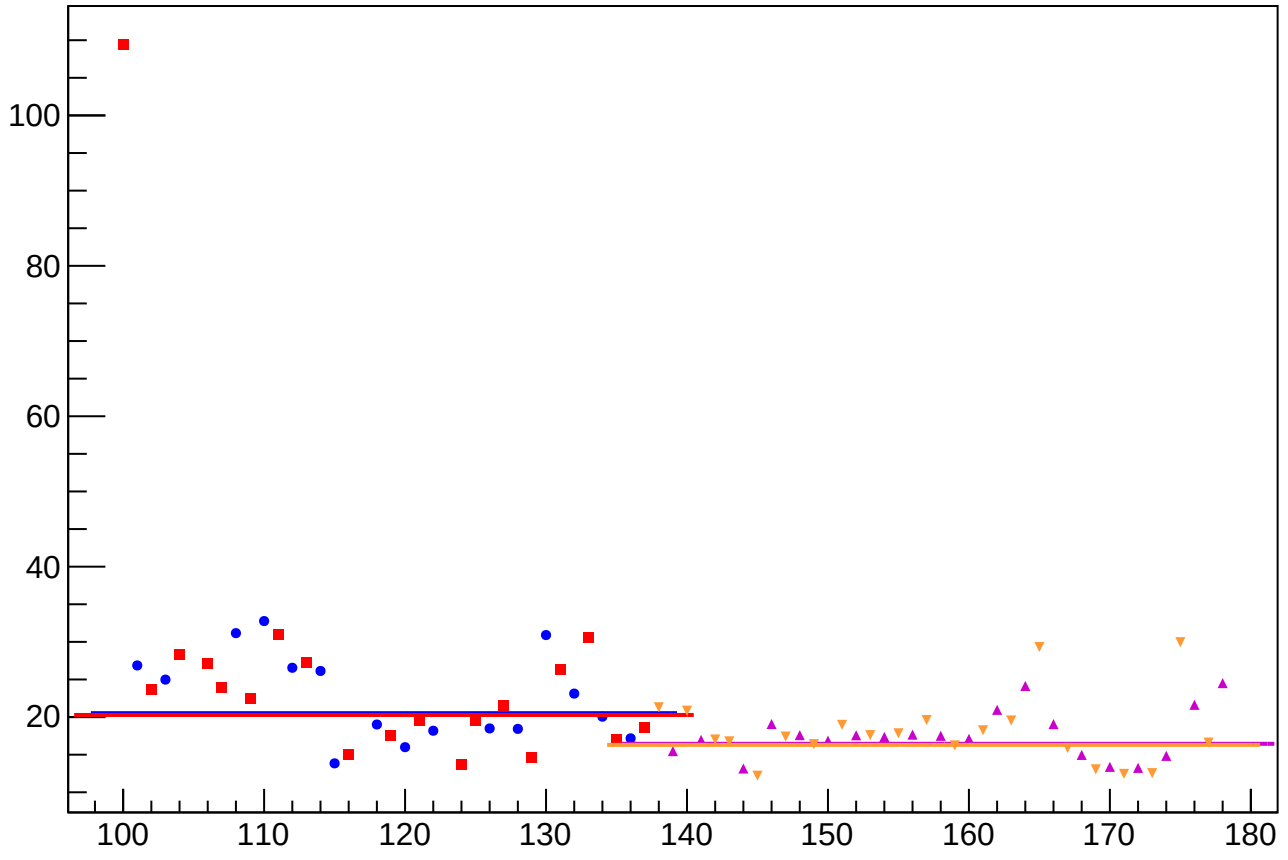
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.005+/-0.004 χ^2/NDF:31.4/19

+ sign 0.003+/-0.004 χ^2/NDF: 34.2/36

All: 0.004+/-0.003 χ^2/NDF: 82.1/75

- sign 0.005+/-0.004 χ^2/NDF: 47.7/38



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 16.302+/-0.003 χ^2/NDF:1413610.5/20

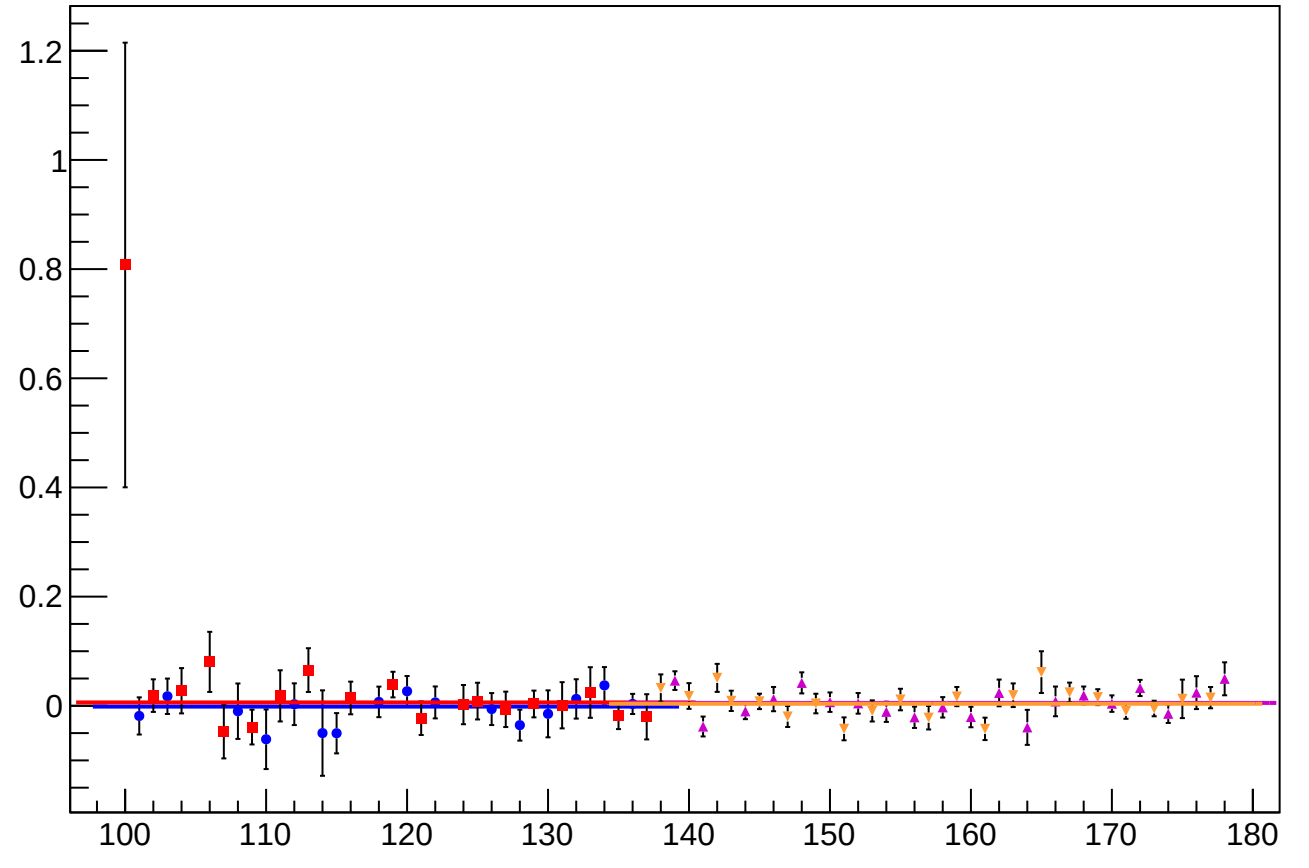
Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.448+/-0.003 χ^2/NDF:790850.6/19

\+ sign 17.190+/-0.003 χ^2/NDF: 2552203.2/36

All: 17.249+/-0.002 χ^2/NDF: 4575011.8/75

\- sign 17.309+/-0.003 χ^2/NDF: 2021777.8/38



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.004 χ^2/NDF:25.6/20

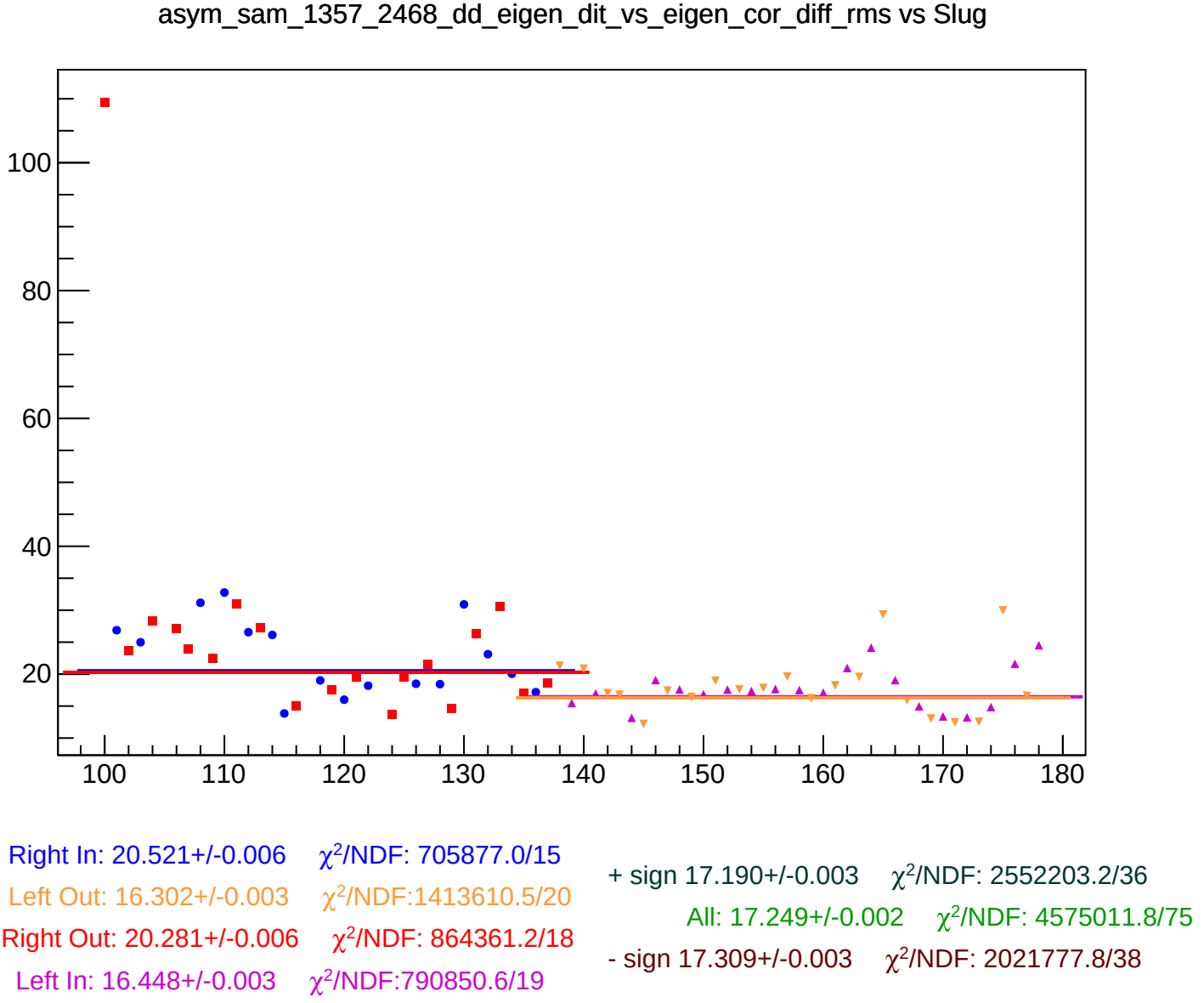
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.005+/-0.004 χ^2/NDF:31.4/19

+ sign 0.003+/-0.004 χ^2/NDF: 34.2/36

All: 0.004+/-0.003 χ^2/NDF: 82.1/75

- sign 0.005+/-0.004 χ^2/NDF: 47.7/38


asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
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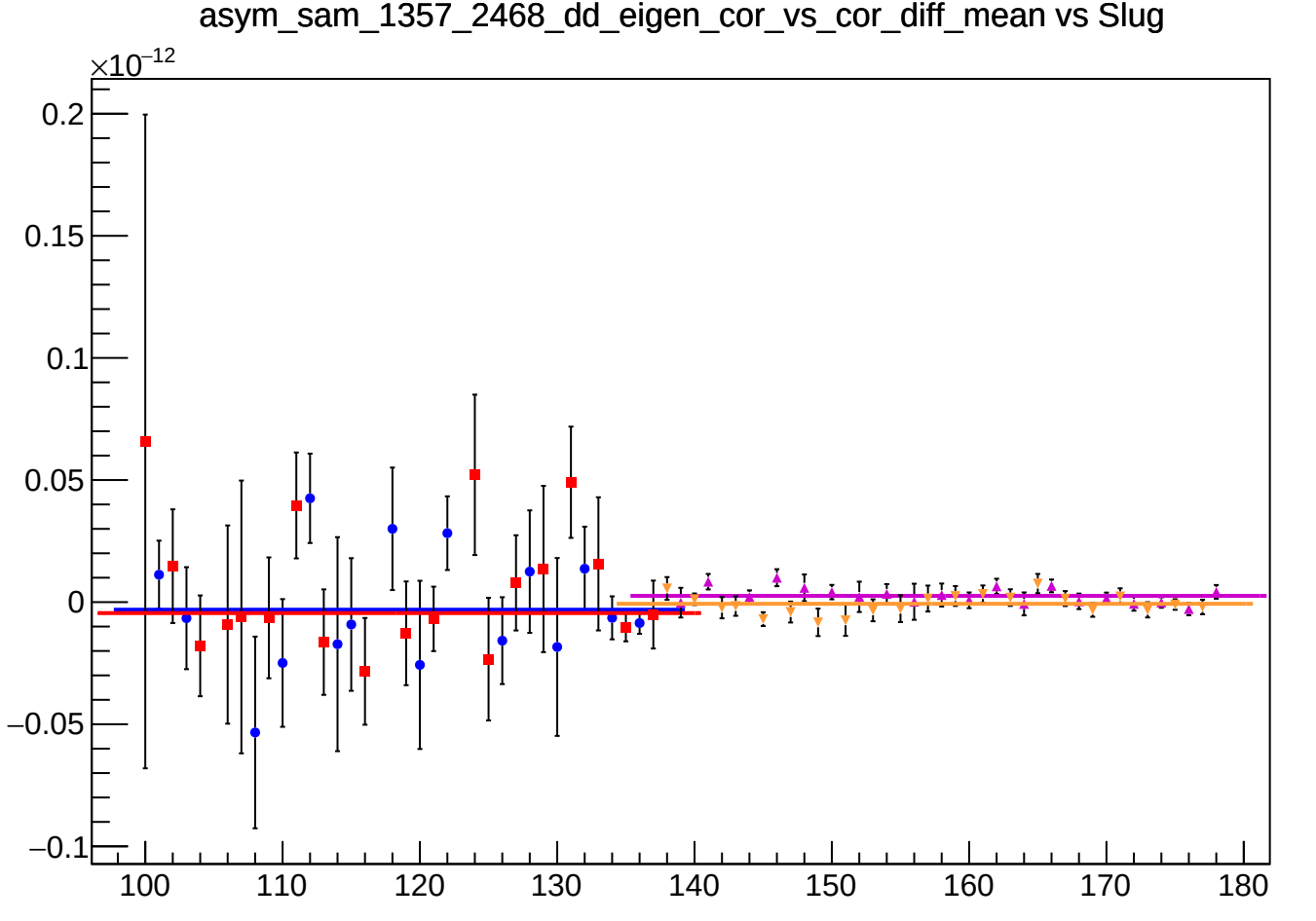
Right In: 20.521+/-0.006 χ²/NDF: 705877.0/15
Left Out: 16.302+/-0.003 χ²/NDF:1413610.5/20
Right Out: 20.281+/-0.006 χ²/NDF: 864361.2/18
Left In: 16.448+/-0.003 χ²/NDF:790850.6/19
+ sign 17.190+/-0.003 χ²/NDF: 2552203.2/36
All: 17.249+/-0.002 χ²/NDF: 4575011.8/75
- sign 17.309+/-0.003 χ²/NDF: 2021777.8/38



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.5/20

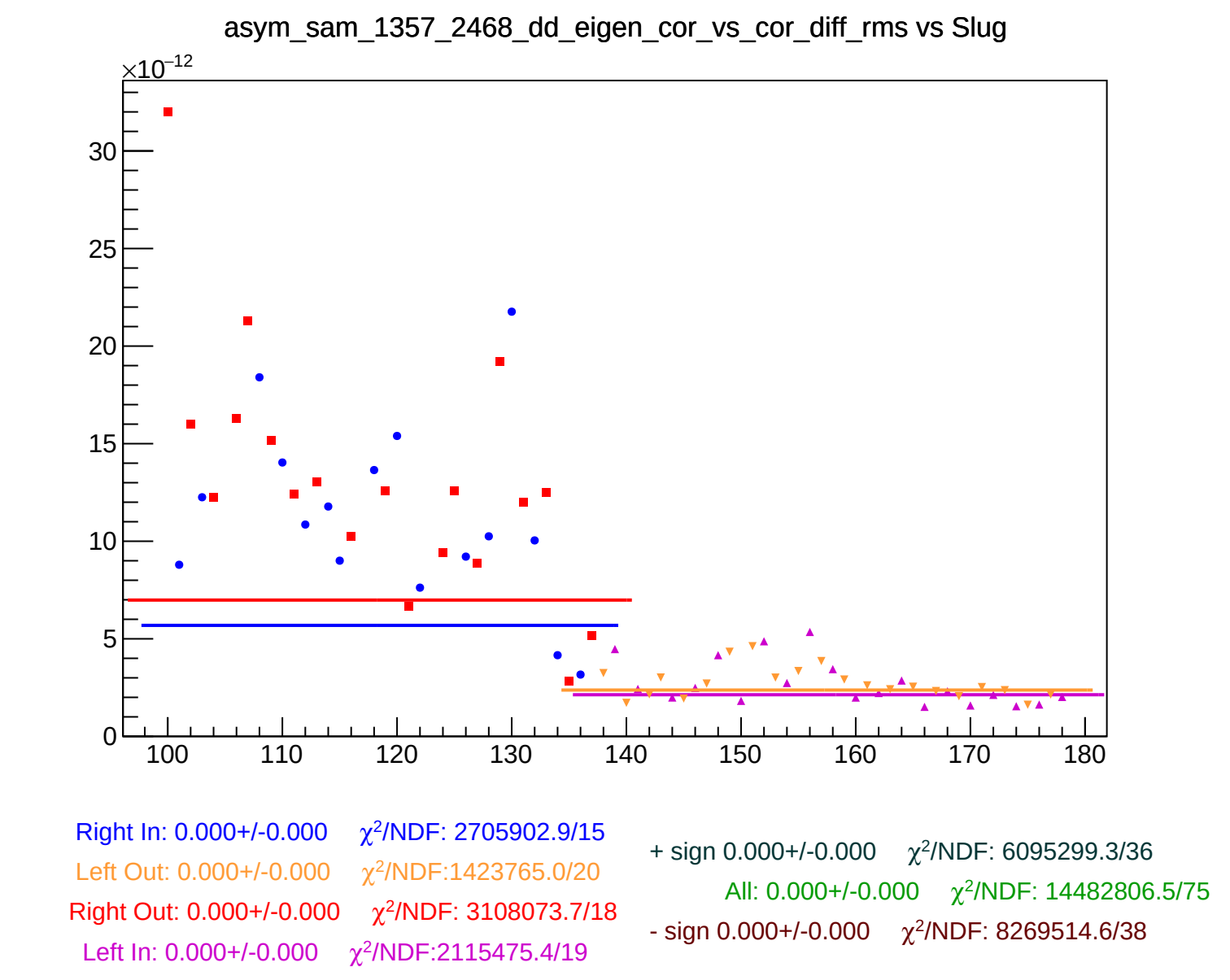
Right Out: -0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: 0.000+/-0.000 χ^2/NDF:22.2/19

+ sign -0.000+/-0.000 χ^2/NDF: 42.0/36

All: 0.000+/-0.000 χ^2/NDF: 95.4/75

- sign 0.000+/-0.000 χ^2/NDF: 44.1/38


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug
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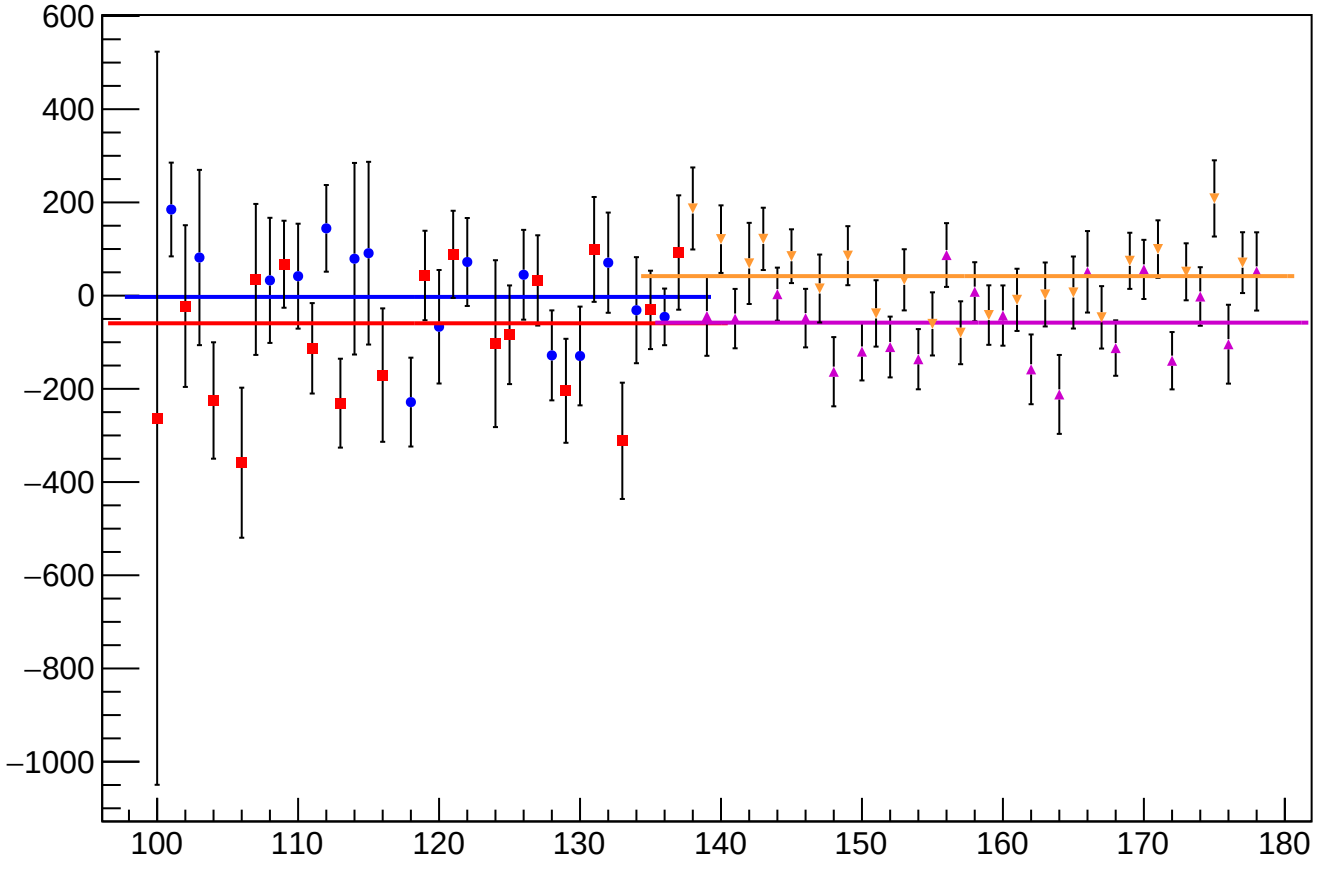
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2705902.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1423765.0/20
Right Out: 0.000+/-0.000 χ²/NDF: 3108073.7/18
Left In: 0.000+/-0.000 χ²/NDF:2115475.4/19
+ sign 0.000+/-0.000 χ²/NDF: 6095299.3/36
All: 0.000+/-0.000 χ²/NDF: 14482806.5/75
- sign 0.000+/-0.000 χ²/NDF: 8269514.6/38

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 41.853+/-14.836 χ^2/NDF:23.6/20

Right Out: -59.349+/-26.382 χ^2/NDF: 25.7/18

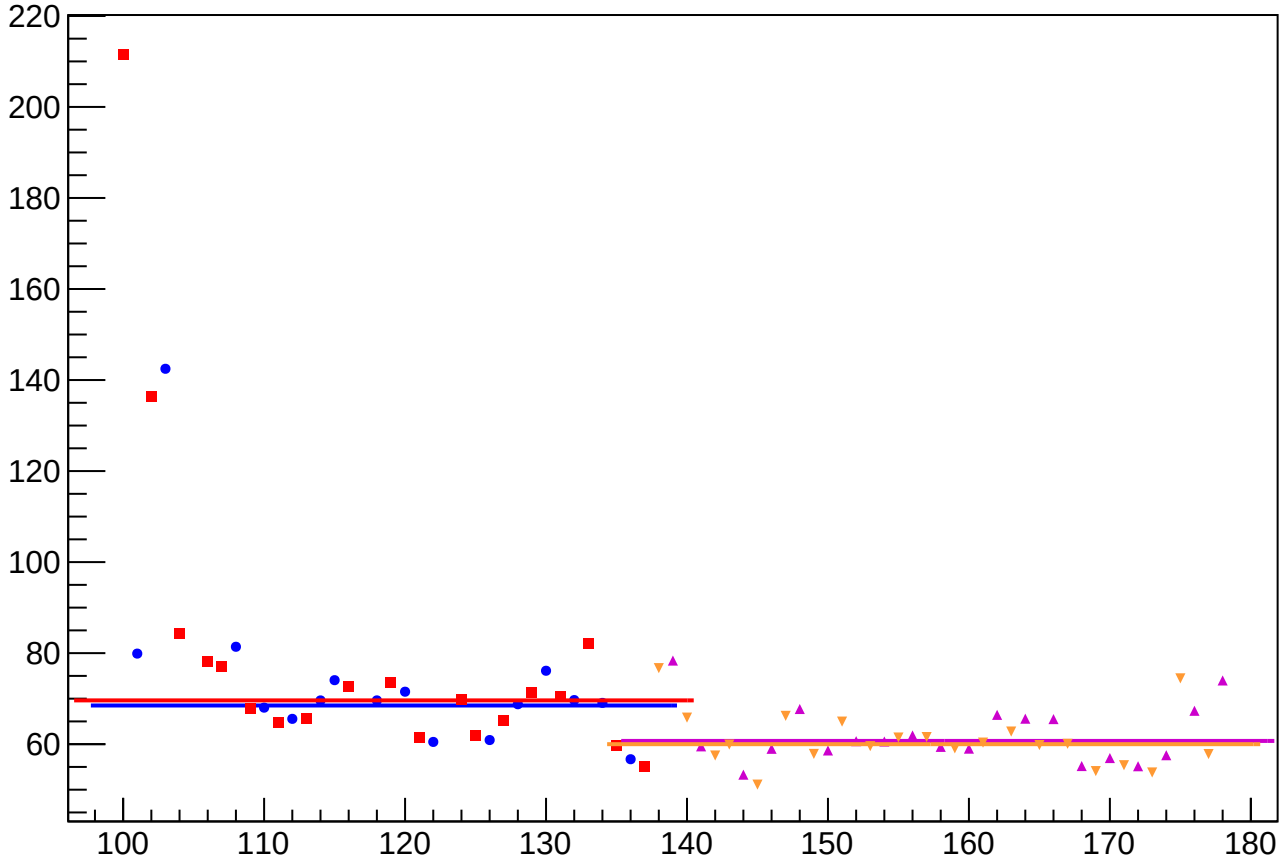
Left In: -57.988+/-15.173 χ^2/NDF:27.3/19

+ sign 31.028+/-12.912 χ^2/NDF: 43.4/36

All: -12.823+/-9.214 χ^2/NDF: 120.0/75

- sign -58.326+/-13.153 χ^2/NDF: 53.0/38

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 59.999+/-0.010 χ^2/NDF:282449.5/20

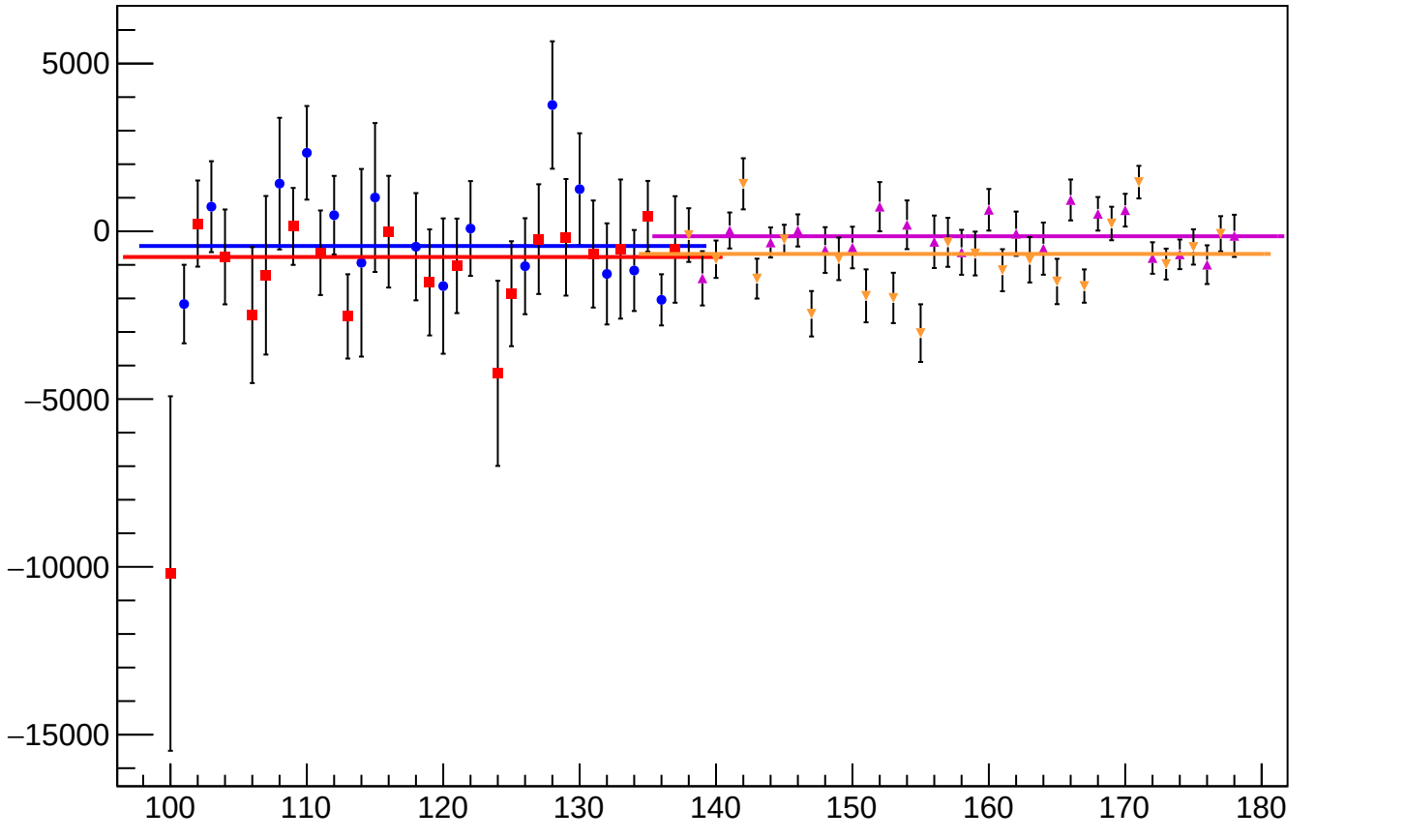
Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 60.713+/-0.011 χ^2/NDF:276881.9/19

+ sign 62.061+/-0.009 χ^2/NDF: 913562.2/36

All: 62.486+/-0.007 χ^2/NDF: 1886554.7/75

- sign 62.927+/-0.009 χ^2/NDF: 968585.8/38



Right In: -437.444+/-348.880 χ^2/NDF: 20.6/15

Left Out: -674.290+/-129.735 χ^2/NDF:61.4/20

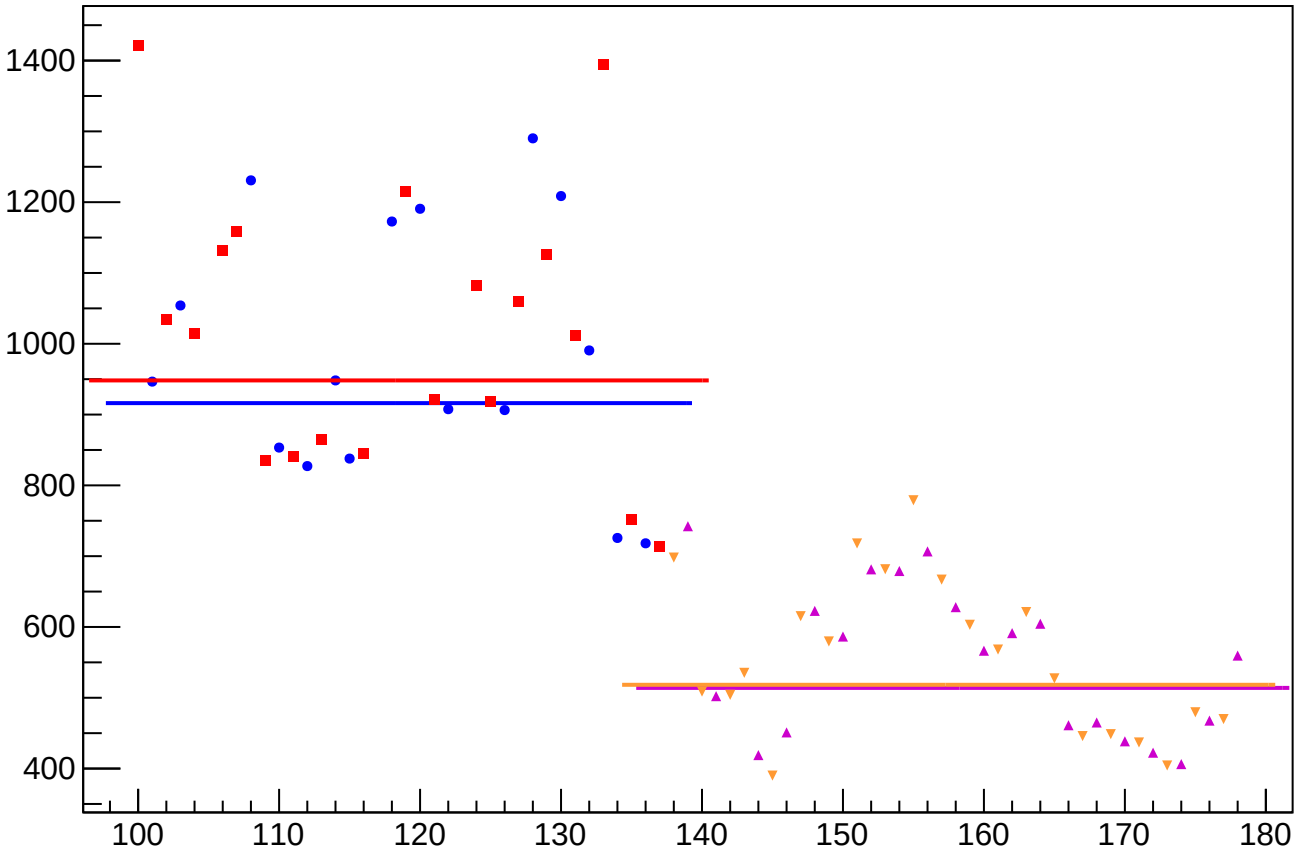
Right Out: -765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: -147.739+/-129.819 χ^2/NDF:20.5/19

\+ sign -645.517+/-121.599 χ^2/NDF: 82.4/36

All: -433.832+/-86.070 χ^2/NDF: 123.0/75

\- sign -221.298+/-121.843 χ^2/NDF: 34.6/38



Right In: 916.171+/-0.247 χ^2/NDF: 509126.4/15

Left Out: 518.320+/-0.092 χ^2/NDF:1206811.8/20

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

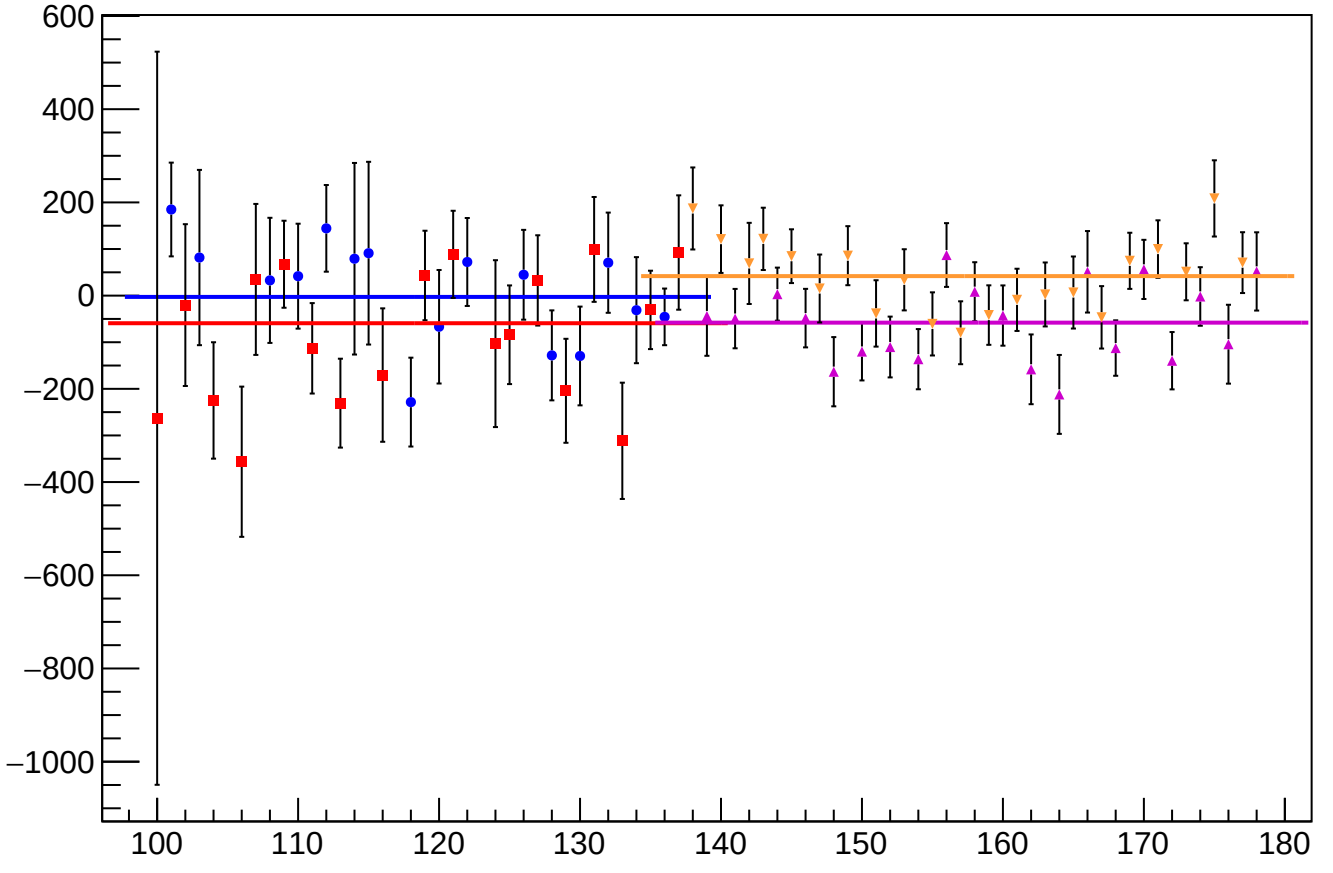
Left In: 513.940+/-0.092 χ^2/NDF:1118771.8/19

+ sign 566.651+/-0.086 χ^2/NDF: 4000854.6/36

All: 566.160+/-0.061 χ^2/NDF: 8200811.4/75

- sign 565.666+/-0.086 χ^2/NDF: 4199891.3/38

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 41.856+/-14.836 χ^2/NDF:23.6/20

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

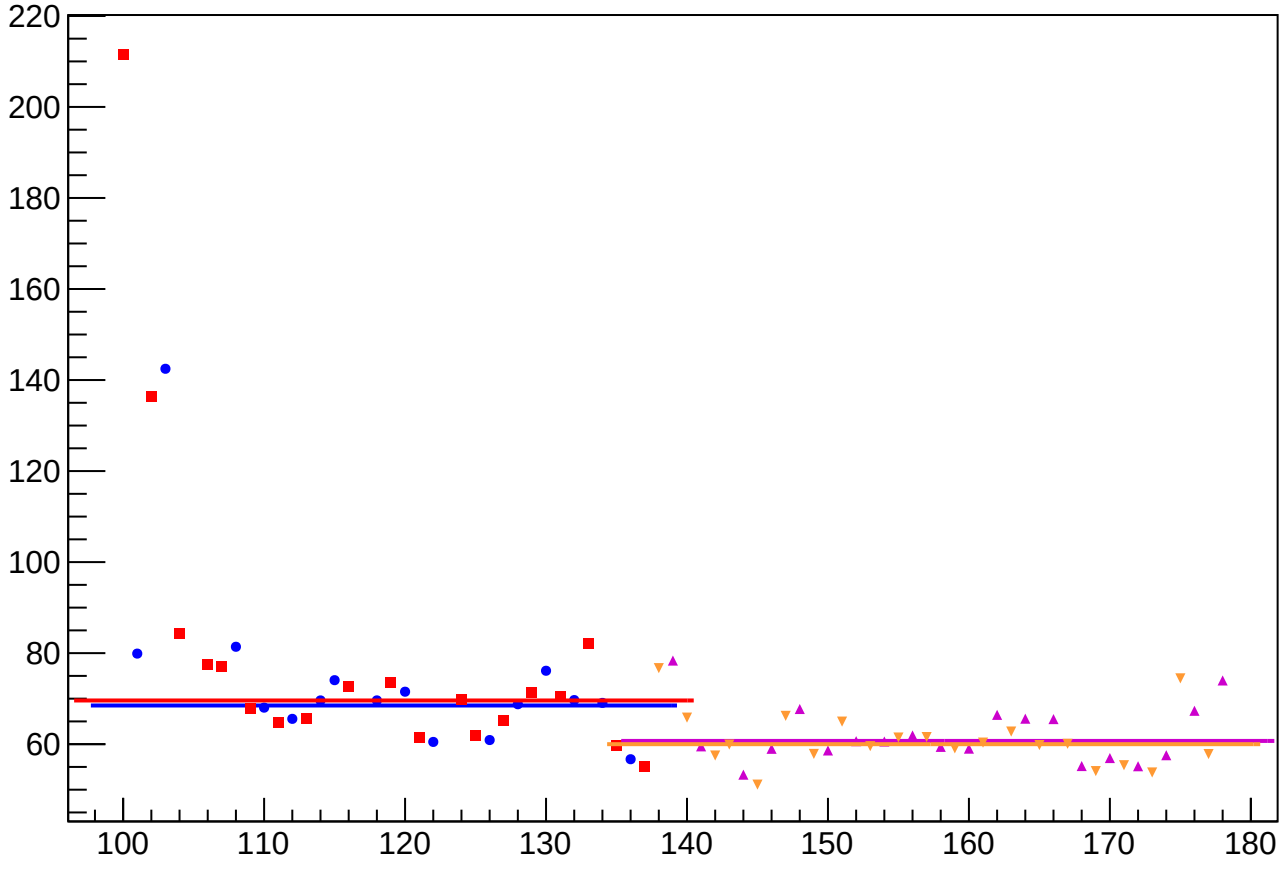
Left In: -57.988+/-15.173 χ^2/NDF:27.3/19

+ sign 31.028+/-12.912 χ^2/NDF: 43.4/36

All: -12.807+/-9.214 χ^2/NDF: 119.9/75

- sign -58.296+/-13.153 χ^2/NDF: 53.0/38

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 59.999+/-0.010 χ^2/NDF:282449.5/20

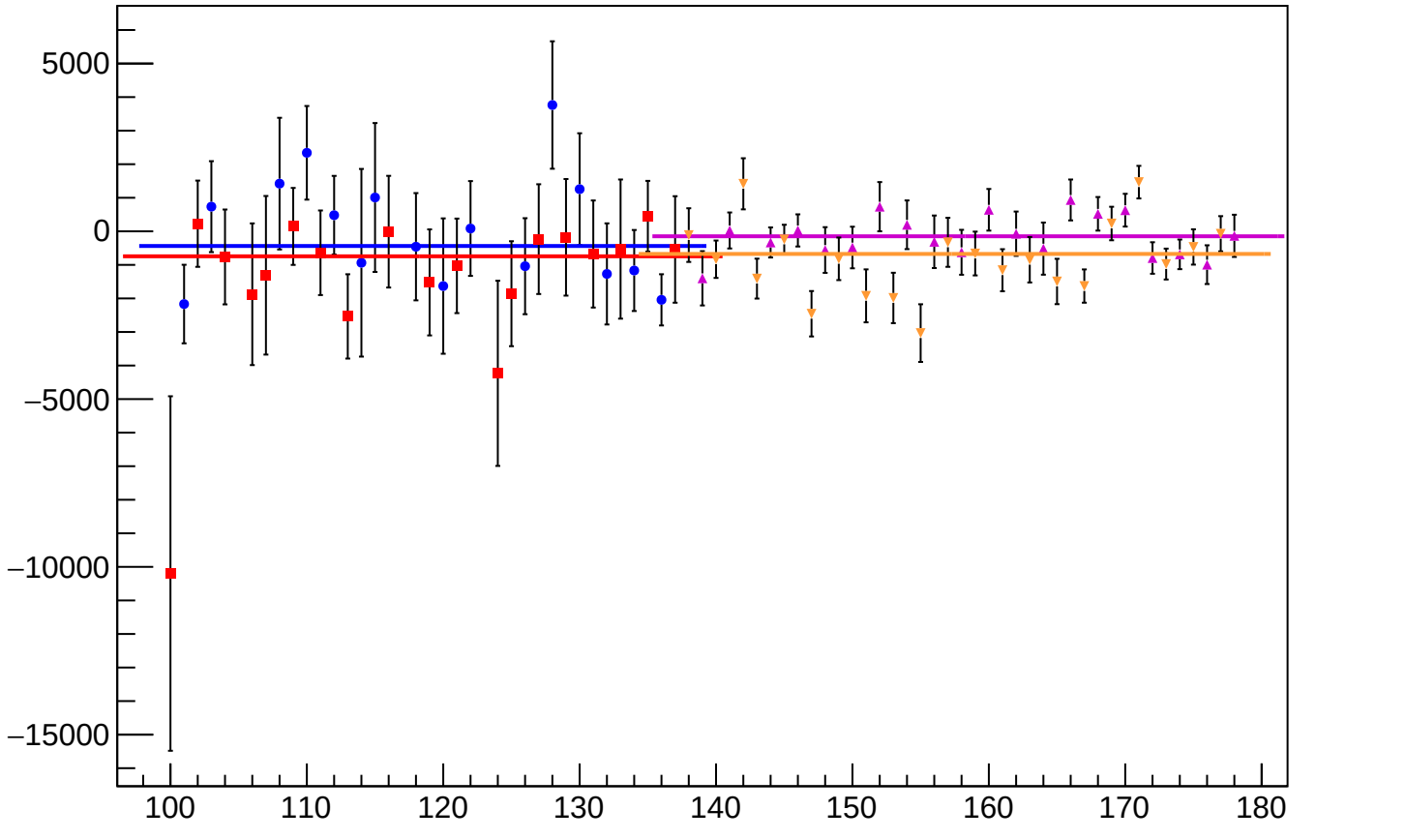
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.713+/-0.011 χ^2/NDF:276881.9/19

+ sign 62.061+/-0.009 χ^2/NDF: 913565.1/36

All: 62.484+/-0.007 χ^2/NDF: 1885142.4/75

- sign 62.922+/-0.009 χ^2/NDF: 967220.6/38



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -674.285+/-129.735 χ^2/NDF:61.4/20

Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

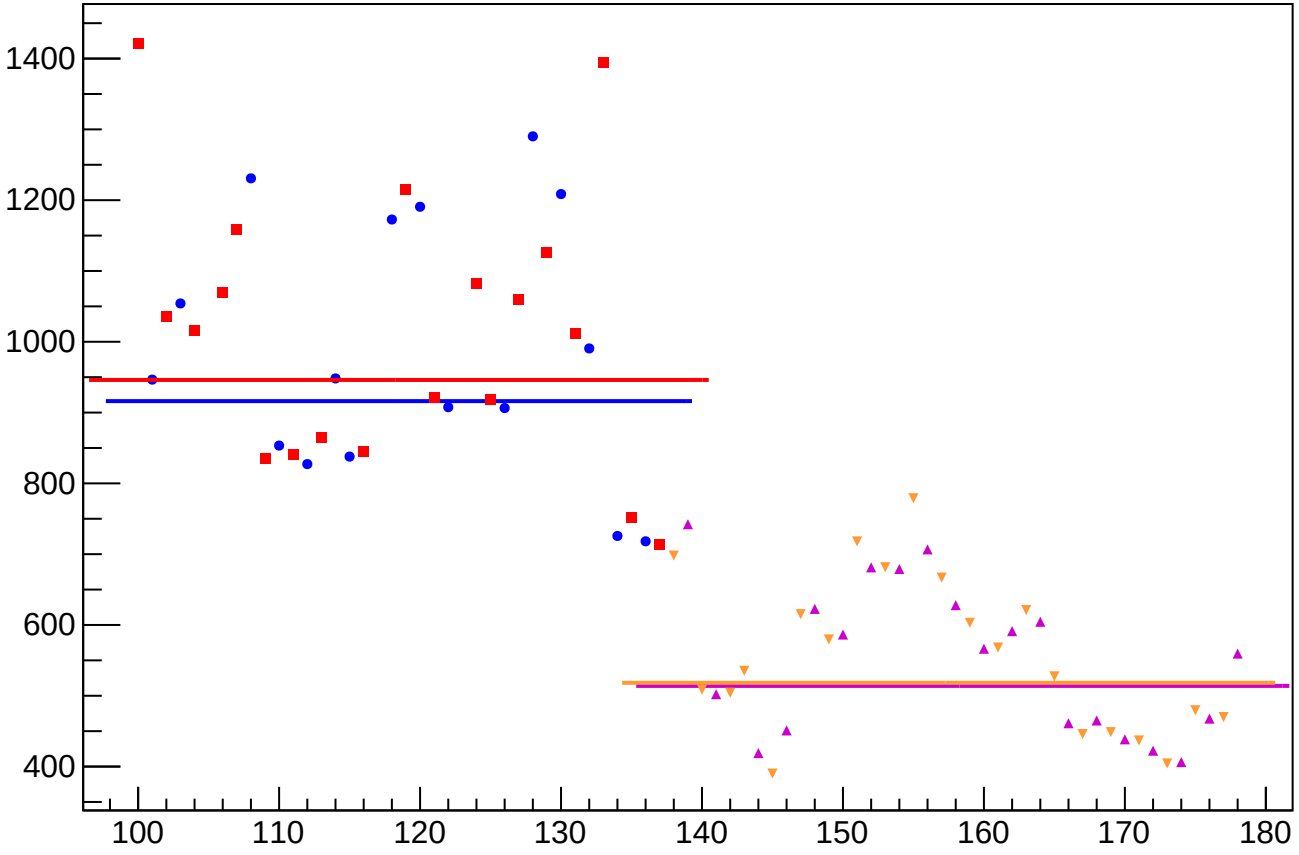
Left In: -147.740+/-129.819 χ^2/NDF:20.5/19

+ sign -645.510+/-121.599 χ^2/NDF: 82.4/36

All: -432.538+/-86.076 χ^2/NDF: 122.4/75

- sign -218.648+/-121.861 χ^2/NDF: 33.9/38

asym_sam_12345678_avg_cor_correction_rms vs Slug



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 518.319+/-0.092 χ^2/NDF:1206816.1/20

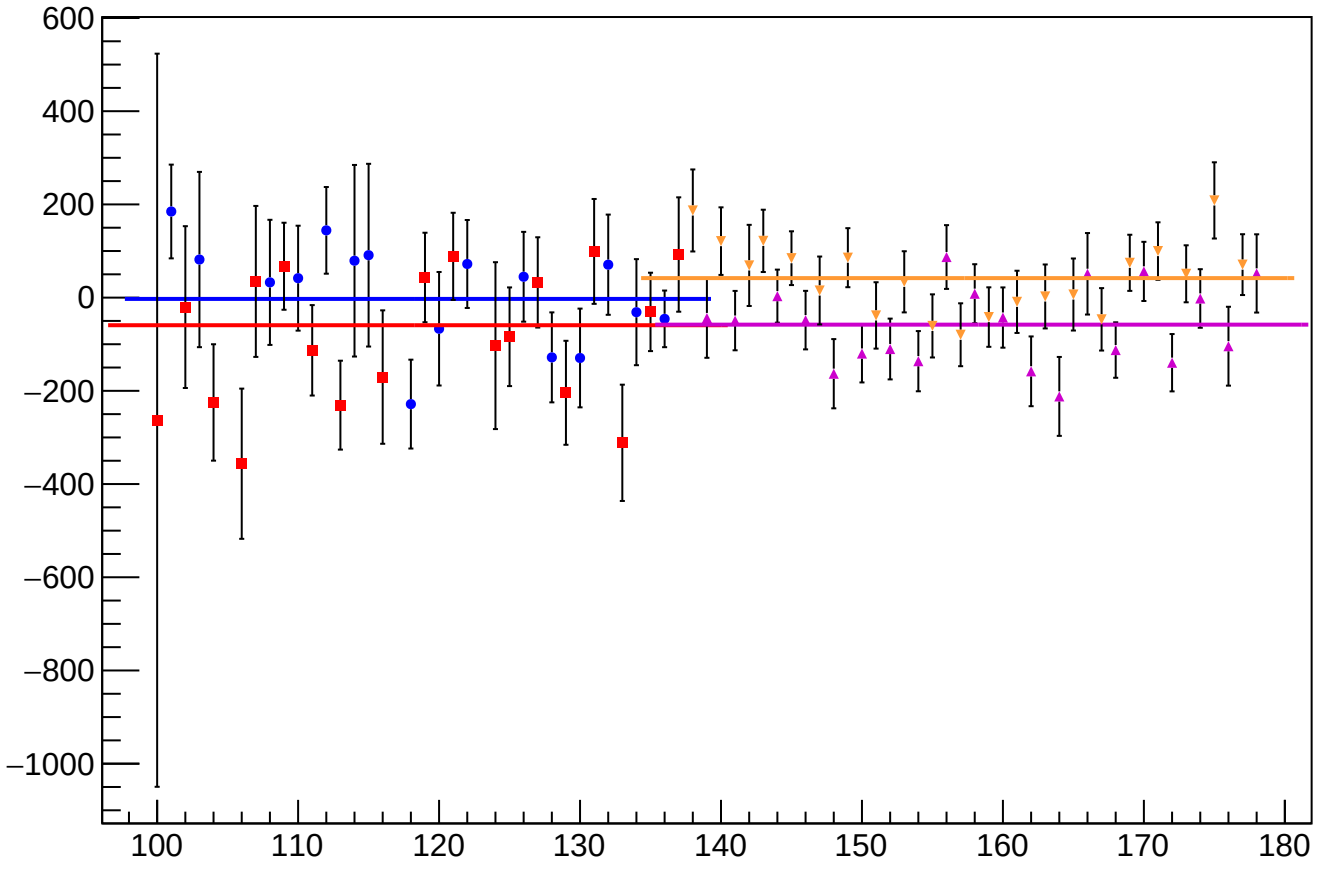
Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 513.940+/-0.092 χ^2/NDF:1118770.5/19

+ sign 566.651+/-0.086 χ^2/NDF: 4000908.3/36

All: 565.976+/-0.061 χ^2/NDF: 8159164.5/75

- sign 565.299+/-0.086 χ^2/NDF: 4158132.8/38



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 41.856+/-14.836 χ^2/NDF:23.6/20

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

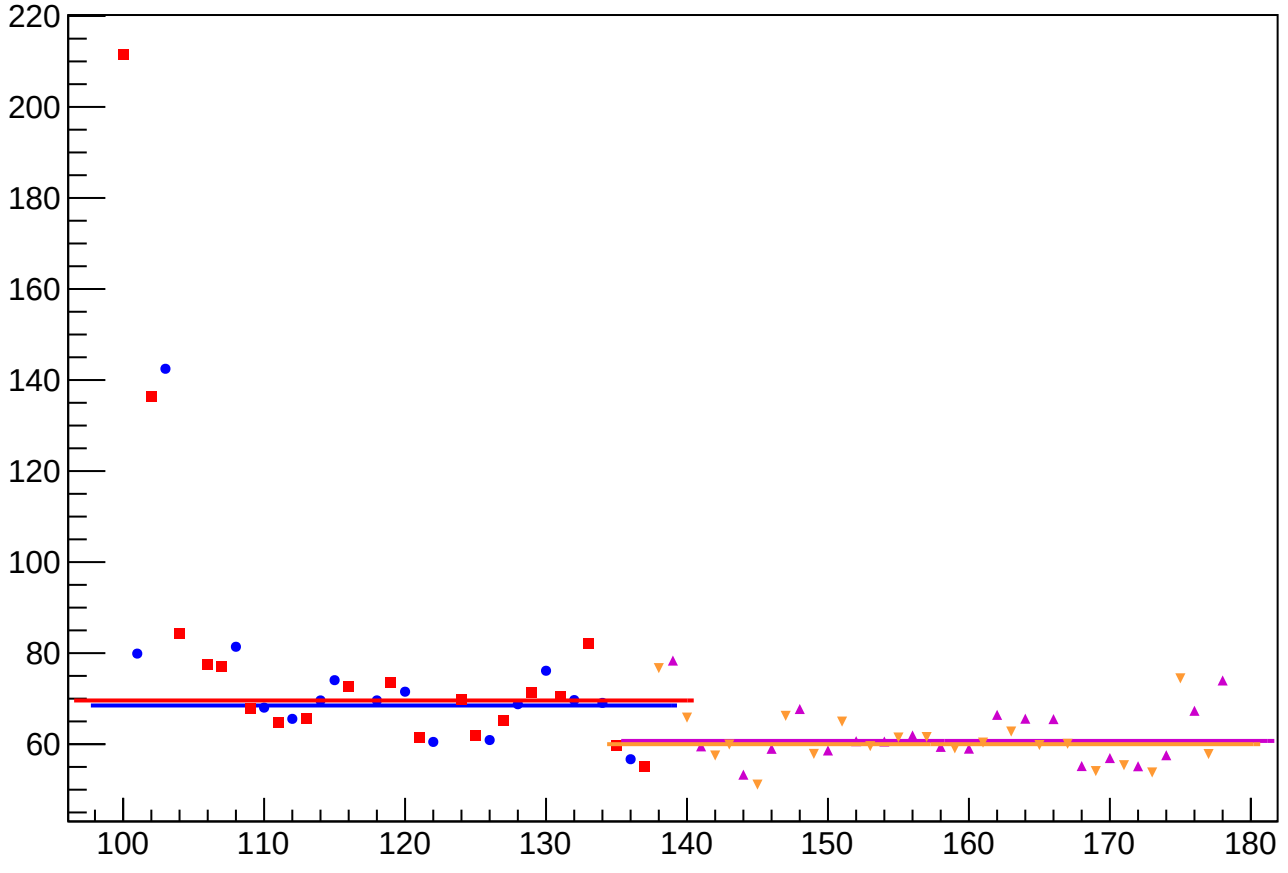
Left In: -57.988+/-15.173 χ^2/NDF:27.3/19

+ sign 31.028+/-12.912 χ^2/NDF: 43.4/36

All: -12.807+/-9.214 χ^2/NDF: 119.9/75

- sign -58.296+/-13.153 χ^2/NDF: 53.0/38

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 59.999+/-0.010 χ^2/NDF:282449.5/20

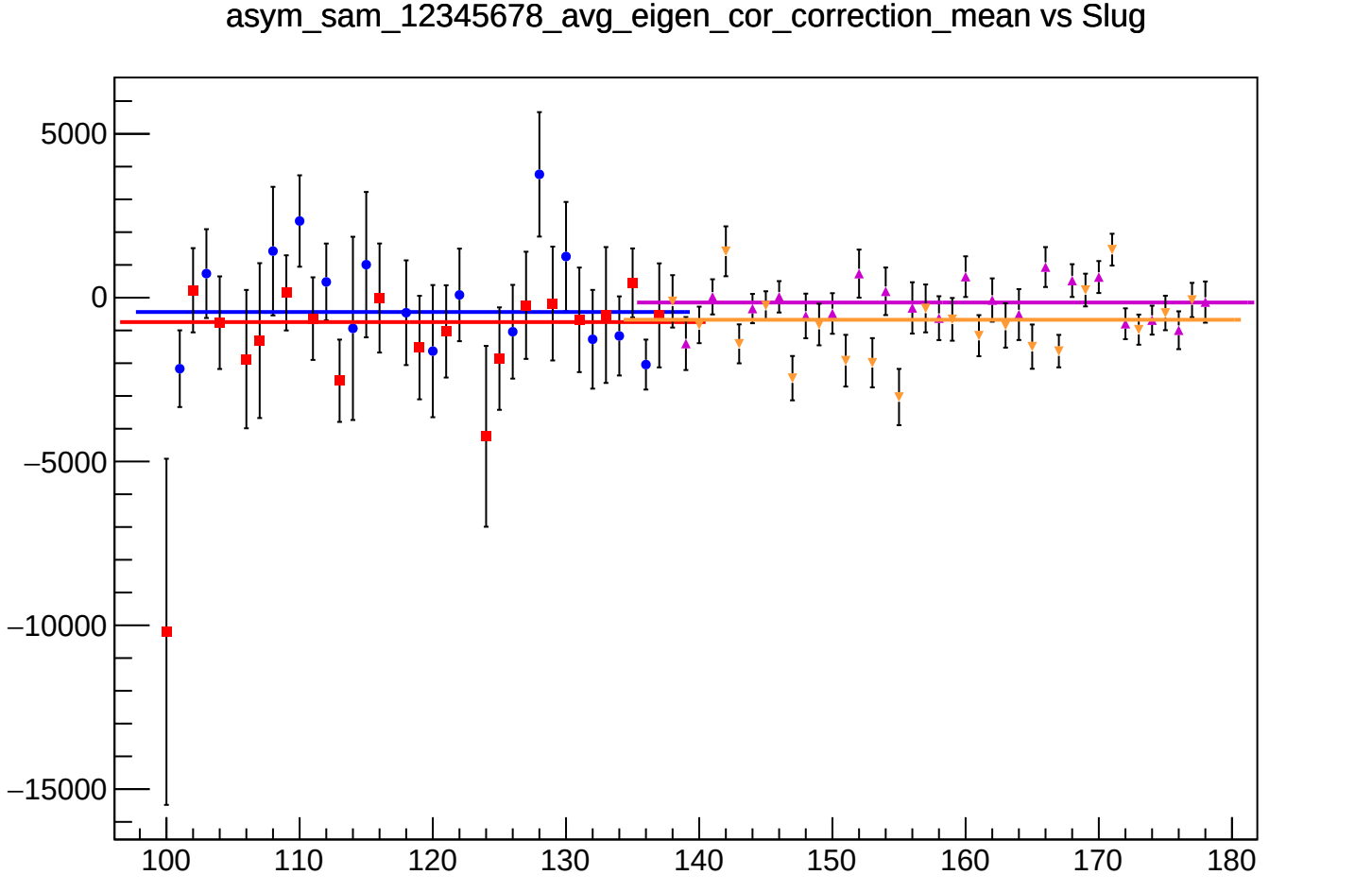
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.713+/-0.011 χ^2/NDF:276881.9/19

+ sign 62.061+/-0.009 χ^2/NDF: 913565.1/36

All: 62.484+/-0.007 χ^2/NDF: 1885142.4/75

- sign 62.922+/-0.009 χ^2/NDF: 967220.6/38



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -674.285+/-129.735 χ^2/NDF:61.4/20

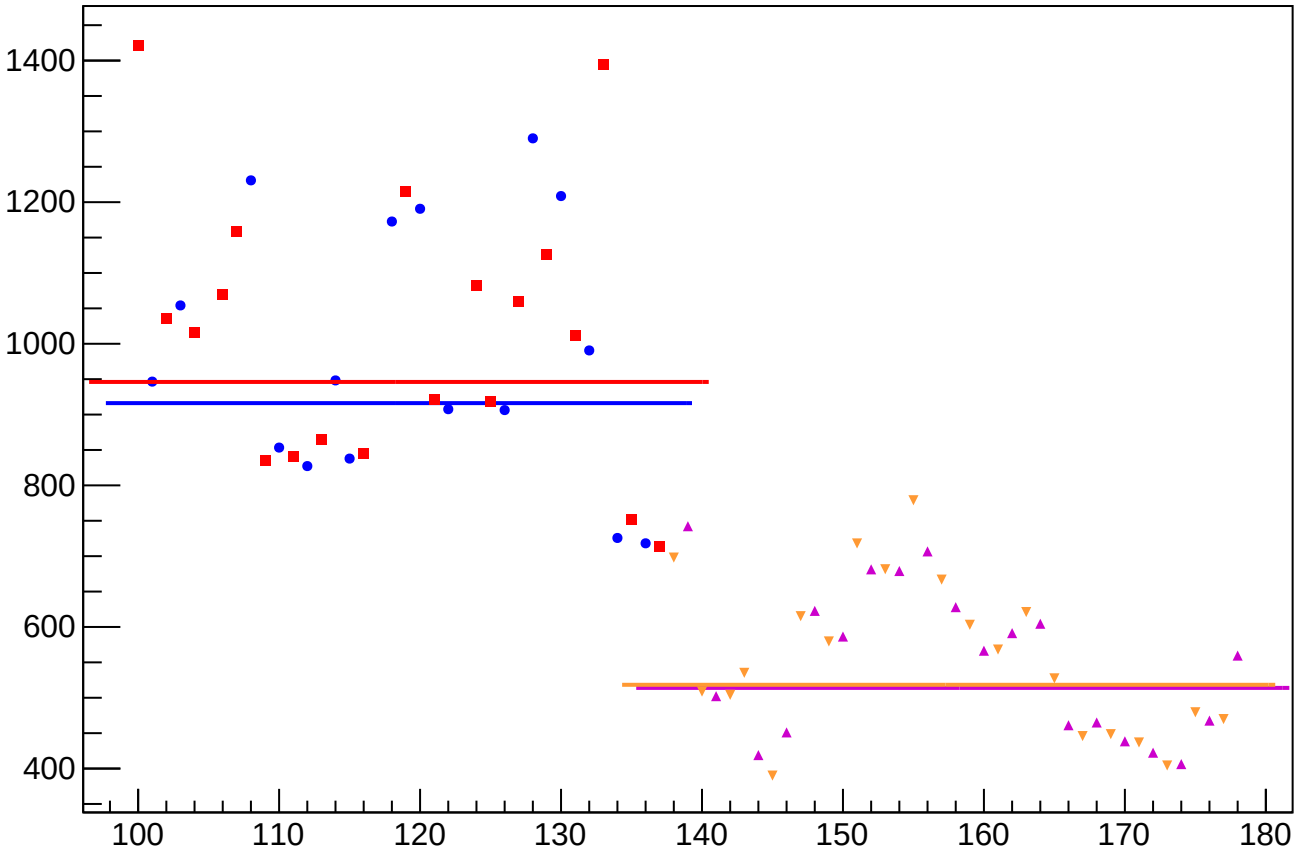
Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: -147.740+/-129.819 χ^2/NDF:20.5/19

+ sign -645.510+/-121.599 χ^2/NDF: 82.4/36

All: -432.538+/-86.076 χ^2/NDF: 122.4/75

- sign -218.648+/-121.861 χ^2/NDF: 33.9/38



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 518.319+/-0.092 χ^2/NDF:1206816.1/20

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

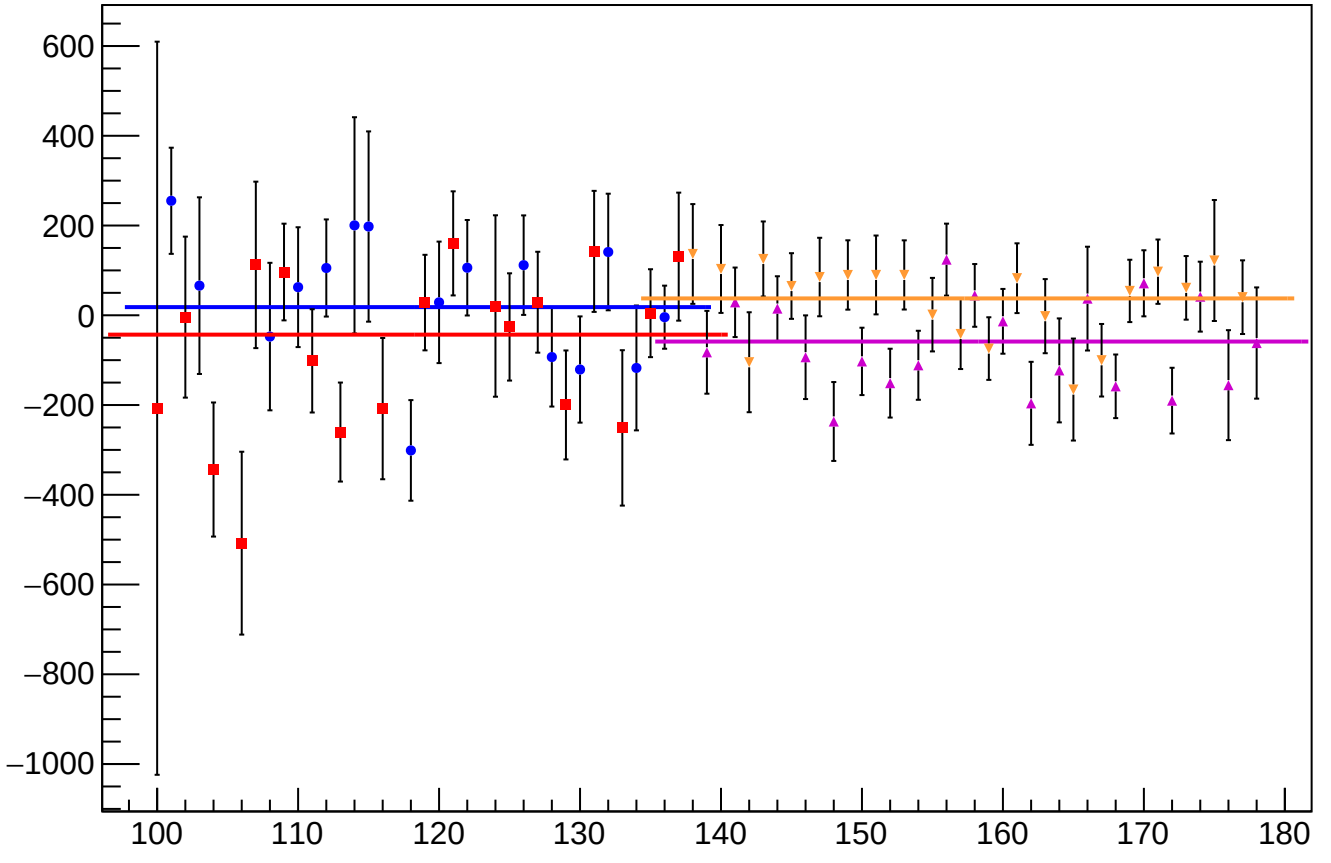
Left In: 513.940+/-0.092 χ^2/NDF:1118770.5/19

\+ sign 566.651+/-0.086 χ^2/NDF: 4000908.3/36

All: 565.976+/-0.061 χ^2/NDF: 8159164.5/75

\- sign 565.299+/-0.086 χ^2/NDF: 4158132.8/38

dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 37.563+/-18.085 χ^2/NDF:17.4/20

Right Out: -43.146+/-30.707 χ^2/NDF: 27.7/18

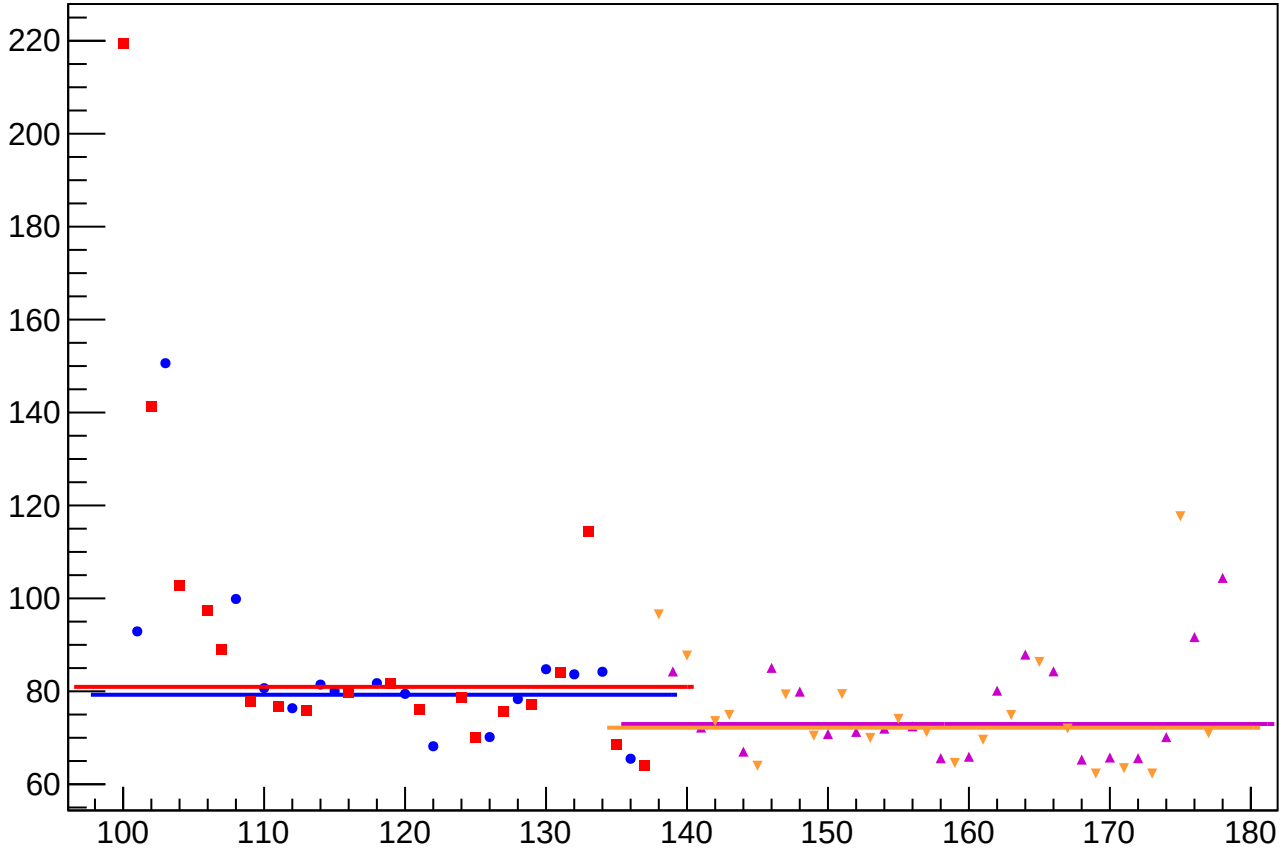
Left In: -58.553+/-18.498 χ^2/NDF:30.5/19

+ sign 32.482+/-15.535 χ^2/NDF: 37.8/36

All: -10.128+/-11.093 χ^2/NDF: 111.6/75

- sign -54.451+/-15.845 χ^2/NDF: 58.4/38

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 72.170+/-0.013 χ^2/NDF:601205.9/20

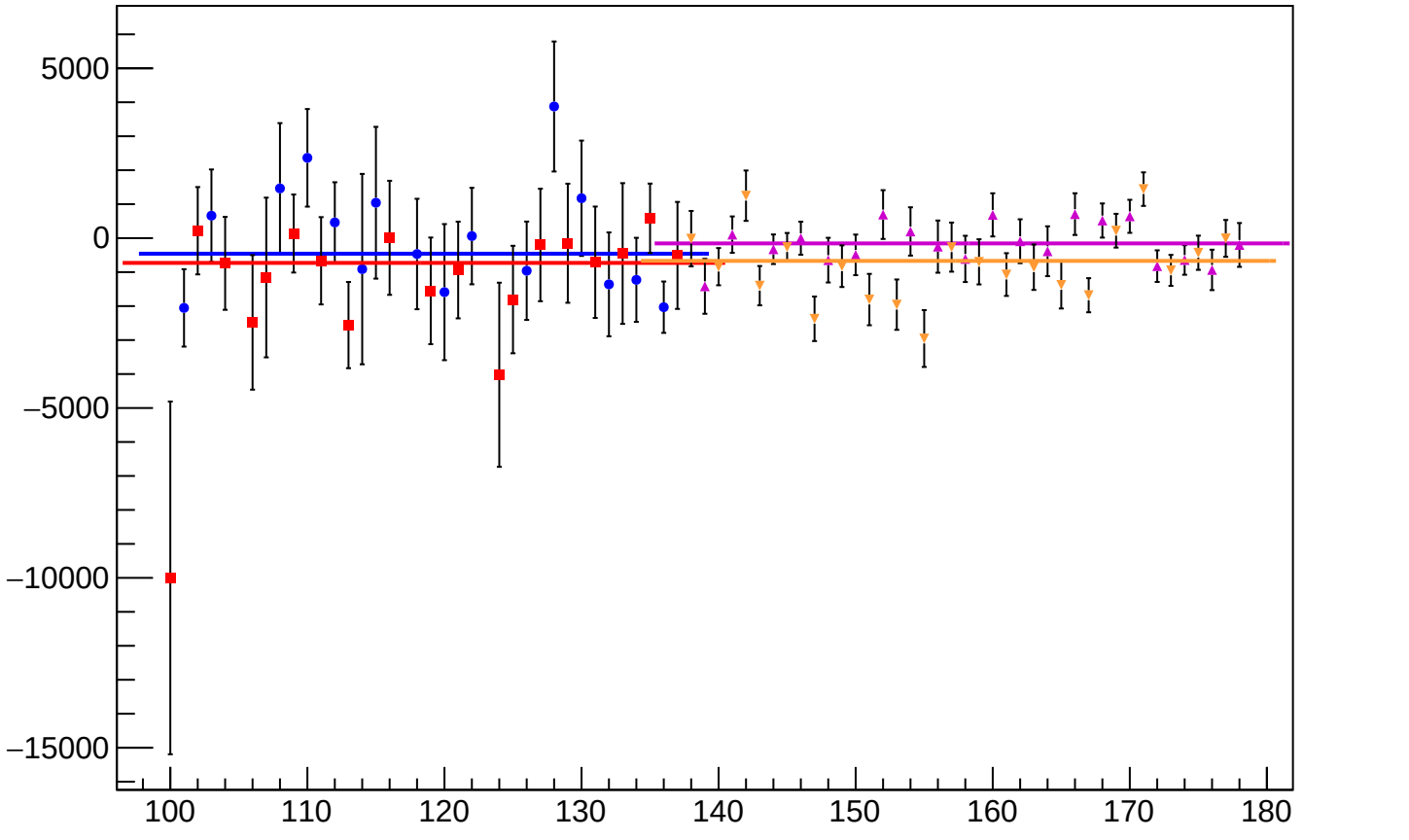
Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 72.962+/-0.013 χ^2/NDF:439381.4/19

+ sign 74.029+/-0.011 χ^2/NDF: 1126776.9/36

All: 74.550+/-0.008 χ^2/NDF: 2184439.7/75

- sign 75.091+/-0.011 χ^2/NDF: 1053086.0/38



Right In: -458.108+/-350.075 χ^2/NDF: 20.3/15

Left Out: -669.285+/-128.315 χ^2/NDF:59.1/20

Right Out: -728.750+/-352.574 χ^2/NDF: 11.5/18

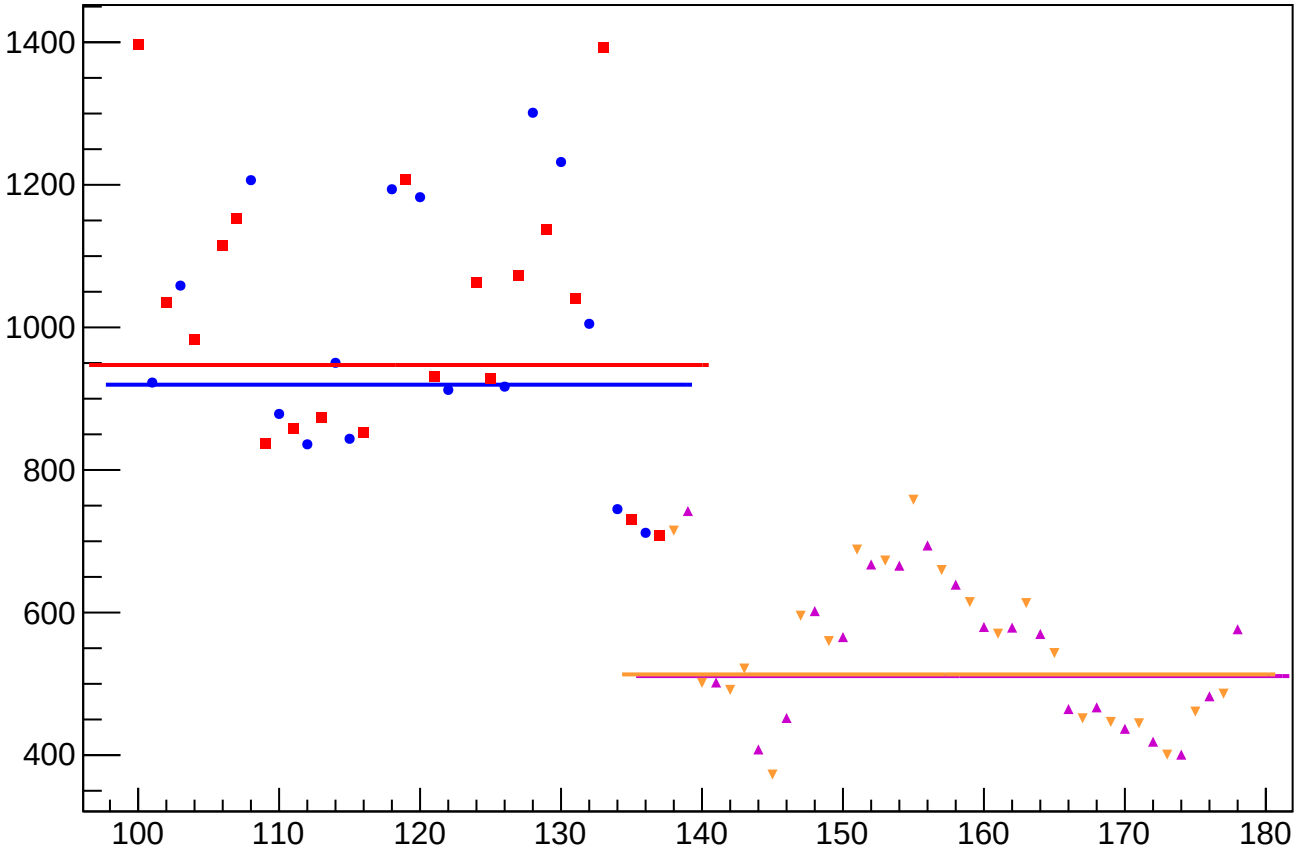
Left In: -154.928+/-129.002 χ^2/NDF:19.3/19

\+ sign -644.273+/-120.477 χ^2/NDF: 79.7/36

All: -434.645+/-85.426 χ^2/NDF: 118.9/75

\- sign -222.678+/-121.147 χ^2/NDF: 33.1/38

asym_sam_12345678_avg_dit_correction_rms vs Slug



Right In: 919.638+/-0.248 χ^2/NDF: 515443.8/15

Left Out: 513.227+/-0.091 χ^2/NDF:1216396.1/20

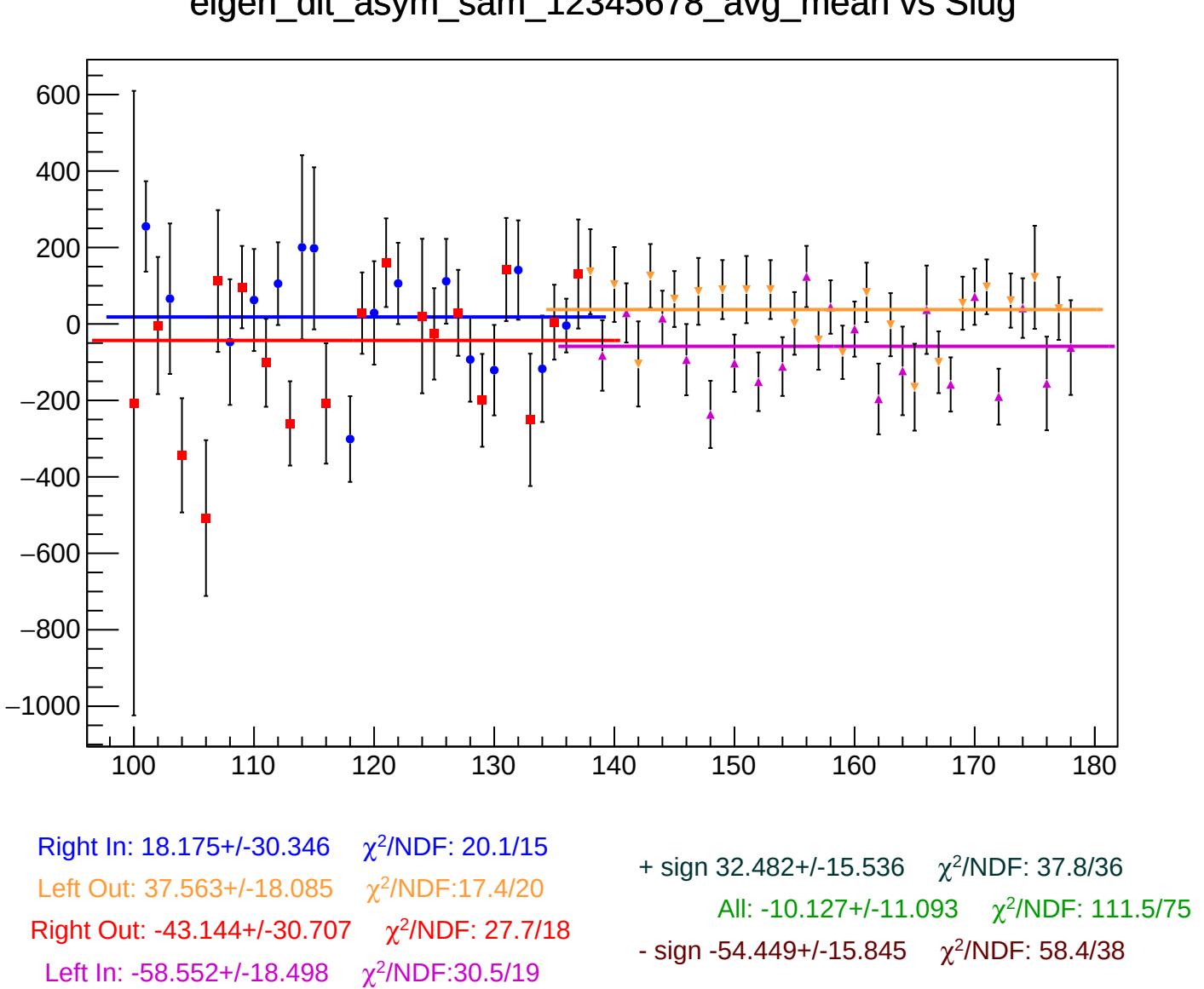
Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

Left In: 510.869+/-0.091 χ^2/NDF:1097637.6/19

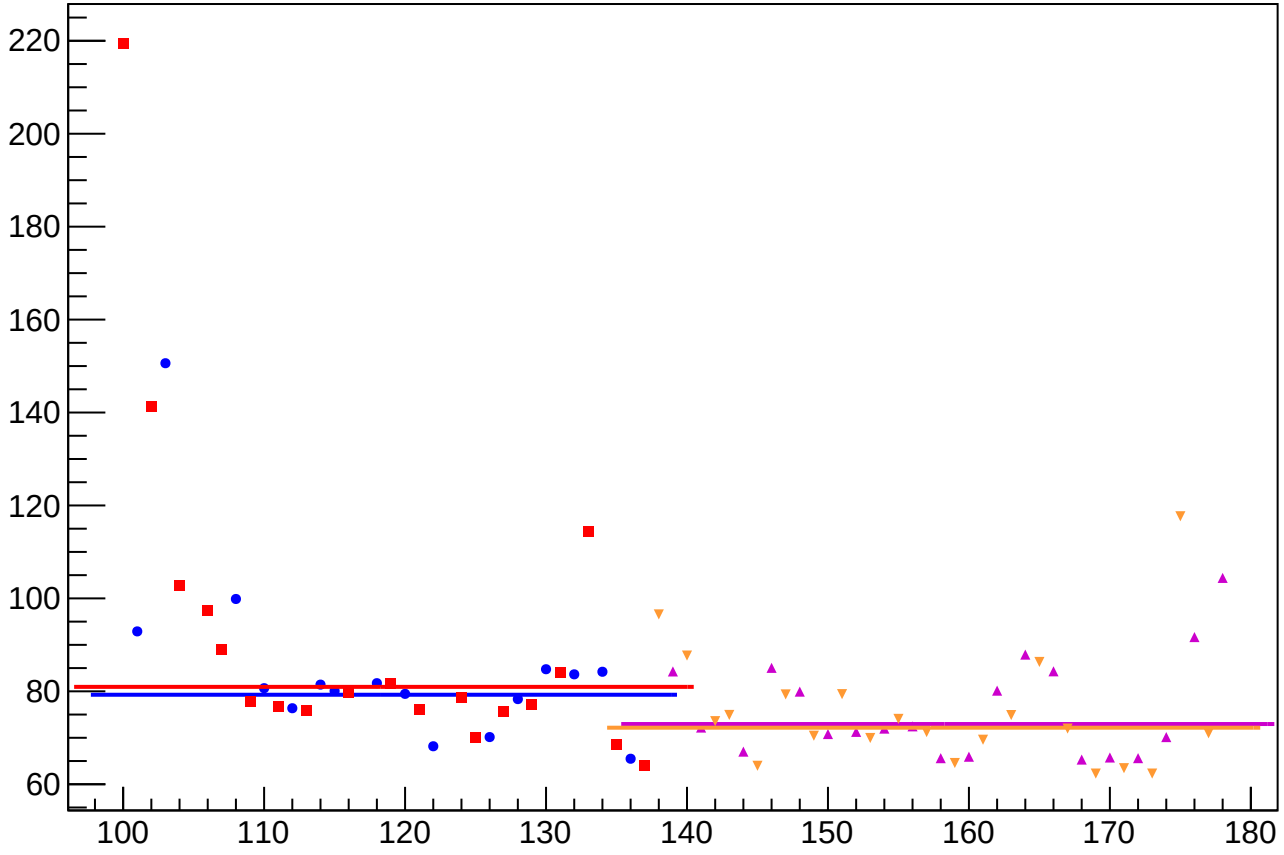
+ sign 561.361+/-0.085 χ^2/NDF: 4108092.7/36

All: 561.875+/-0.060 χ^2/NDF: 8333709.6/75

- sign 562.394+/-0.086 χ^2/NDF: 4225543.8/38


eigen_dit_asym_sam_12345678_avg_mean vs Slug
600
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
160
170
180
Right In: 18.175+/-30.346 χ²/NDF: 20.1/15
Left Out: 37.563+/-18.085 χ²/NDF:17.4/20
Right Out: -43.144+/-30.707 χ²/NDF: 27.7/18
Left In: -58.552+/-18.498 χ²/NDF:30.5/19
+ sign 32.482+/-15.536 χ²/NDF: 37.8/36
All: -10.127+/-11.093 χ²/NDF: 111.5/75
- sign -54.449+/-15.845 χ²/NDF: 58.4/38

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 72.171+/-0.013 χ^2/NDF:601204.3/20

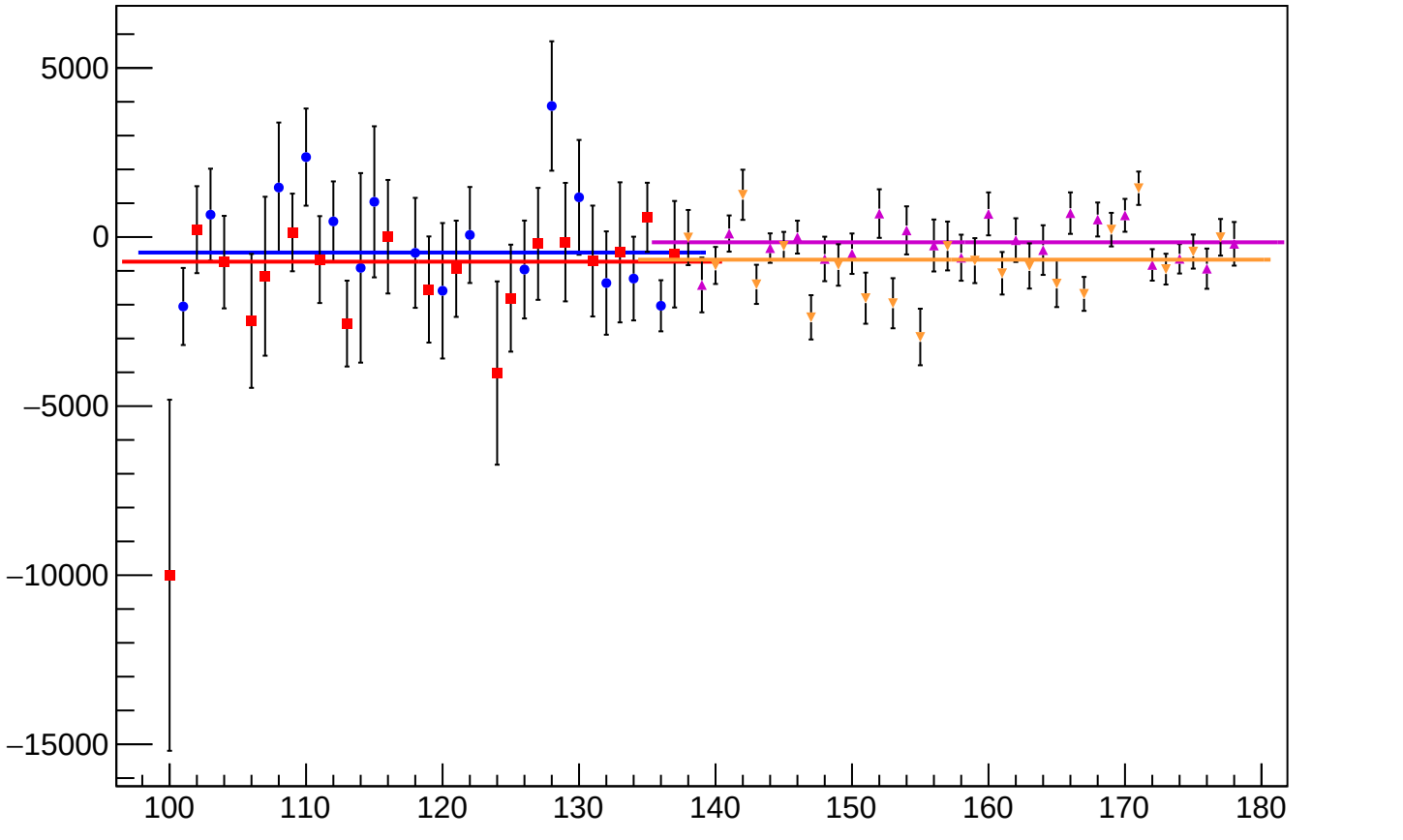
Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 72.962+/-0.013 χ^2/NDF:439377.2/19

+ sign 74.029+/-0.011 χ^2/NDF: 1126762.7/36

All: 74.550+/-0.008 χ^2/NDF: 2184419.6/75

- sign 75.091+/-0.011 χ^2/NDF: 1053079.9/38



Right In: -458.104+/-350.074 χ^2/NDF: 20.3/15

Left Out: -669.284+/-128.315 χ^2/NDF:59.1/20

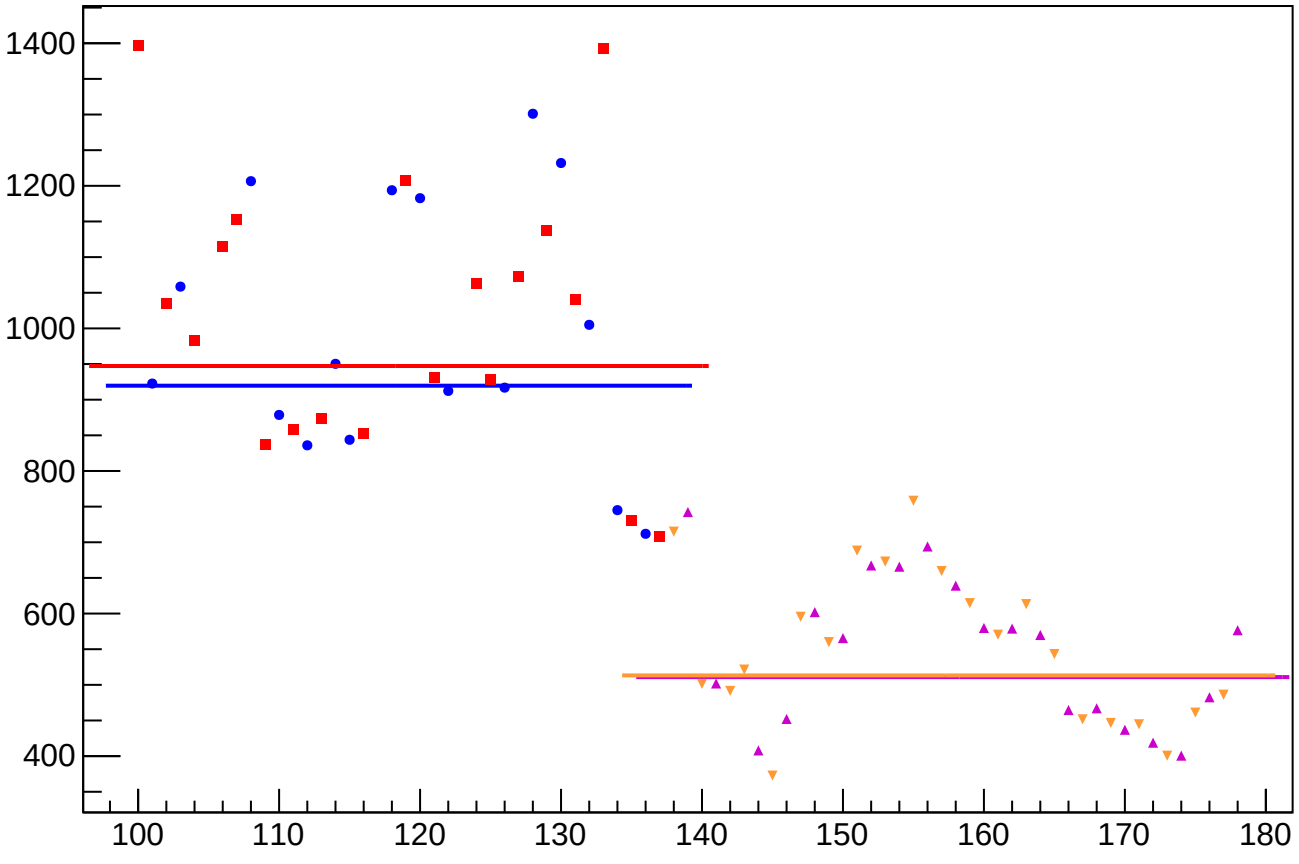
Right Out: -728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: -154.927+/-129.002 χ^2/NDF:19.3/19

+ sign -644.272+/-120.477 χ^2/NDF: 79.7/36

All: -434.644+/-85.426 χ^2/NDF: 118.9/75

- sign -222.677+/-121.147 χ^2/NDF: 33.1/38



Right In: 919.636+/-0.248 χ^2/NDF: 515443.9/15

Left Out: 513.226+/-0.091 χ^2/NDF:1216399.3/20

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

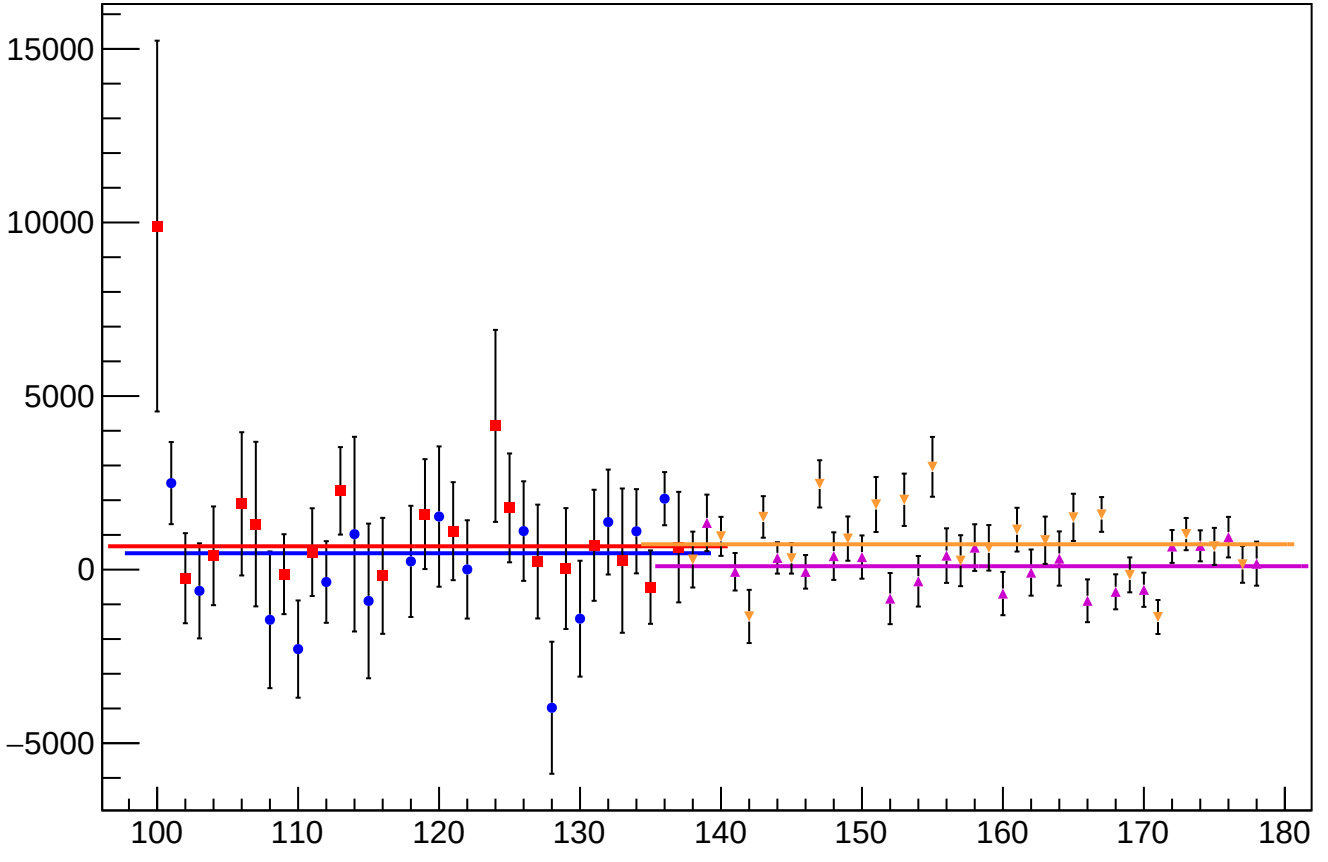
Left In: 510.869+/-0.091 χ^2/NDF:1097636.7/19

+ sign 561.360+/-0.085 χ^2/NDF: 4108093.0/36

All: 561.874+/-0.060 χ^2/NDF: 8333705.4/75

- sign 562.393+/-0.086 χ^2/NDF: 4225539.3/38

asym_sam_12345678_avg_mean vs Slug



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 730.340+/-130.691 χ^2/NDF:56.8/20

Right Out: 672.537+/-354.512 χ^2/NDF: 10.3/18

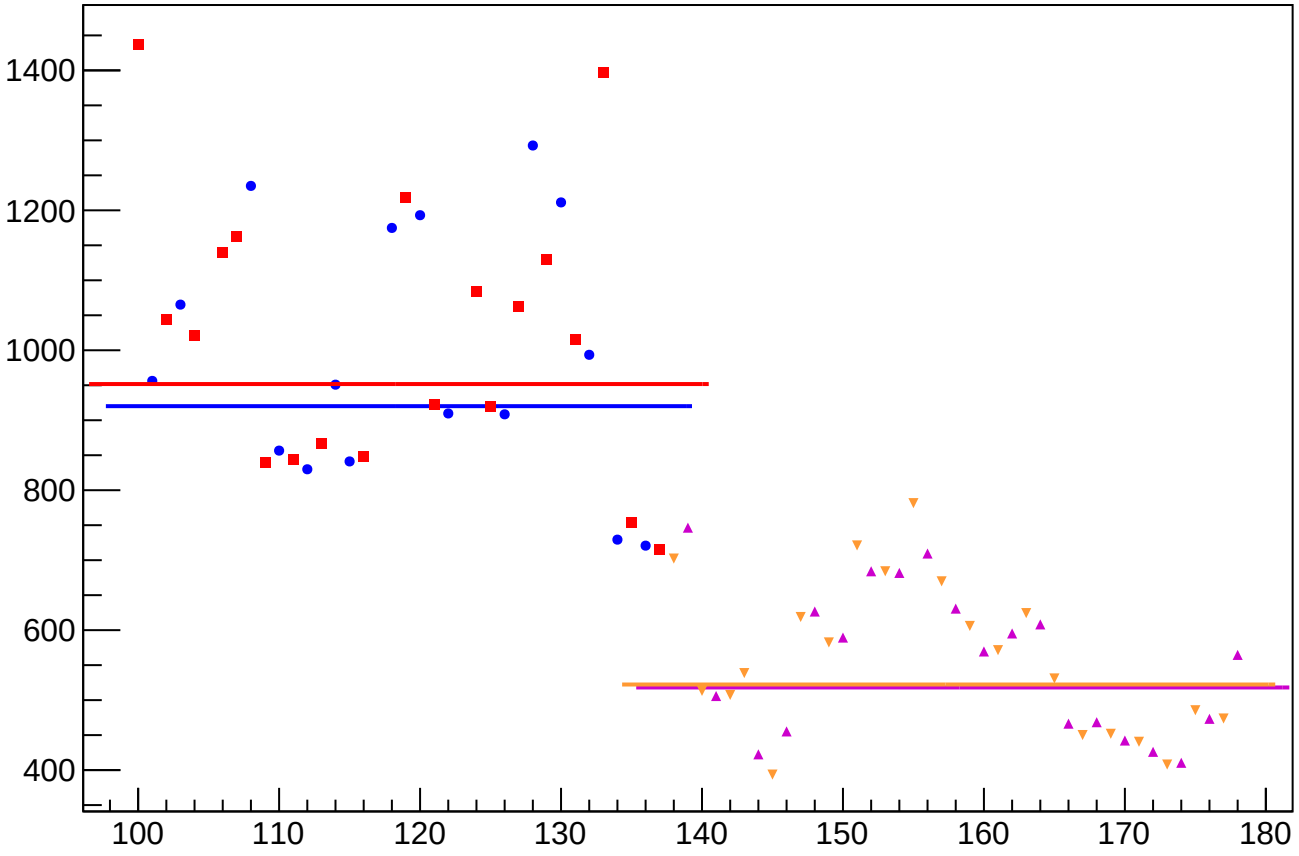
Left In: 98.073+/-130.822 χ^2/NDF:19.6/19

+ sign 698.789+/-122.450 χ^2/NDF: 78.8/36

All: 433.467+/-86.685 χ^2/NDF: 120.4/75

- sign 166.924+/-122.732 χ^2/NDF: 32.2/38

asym_sam_12345678_avg_rms vs Slug



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 522.315+/-0.092 χ^2/NDF:1185841.5/20

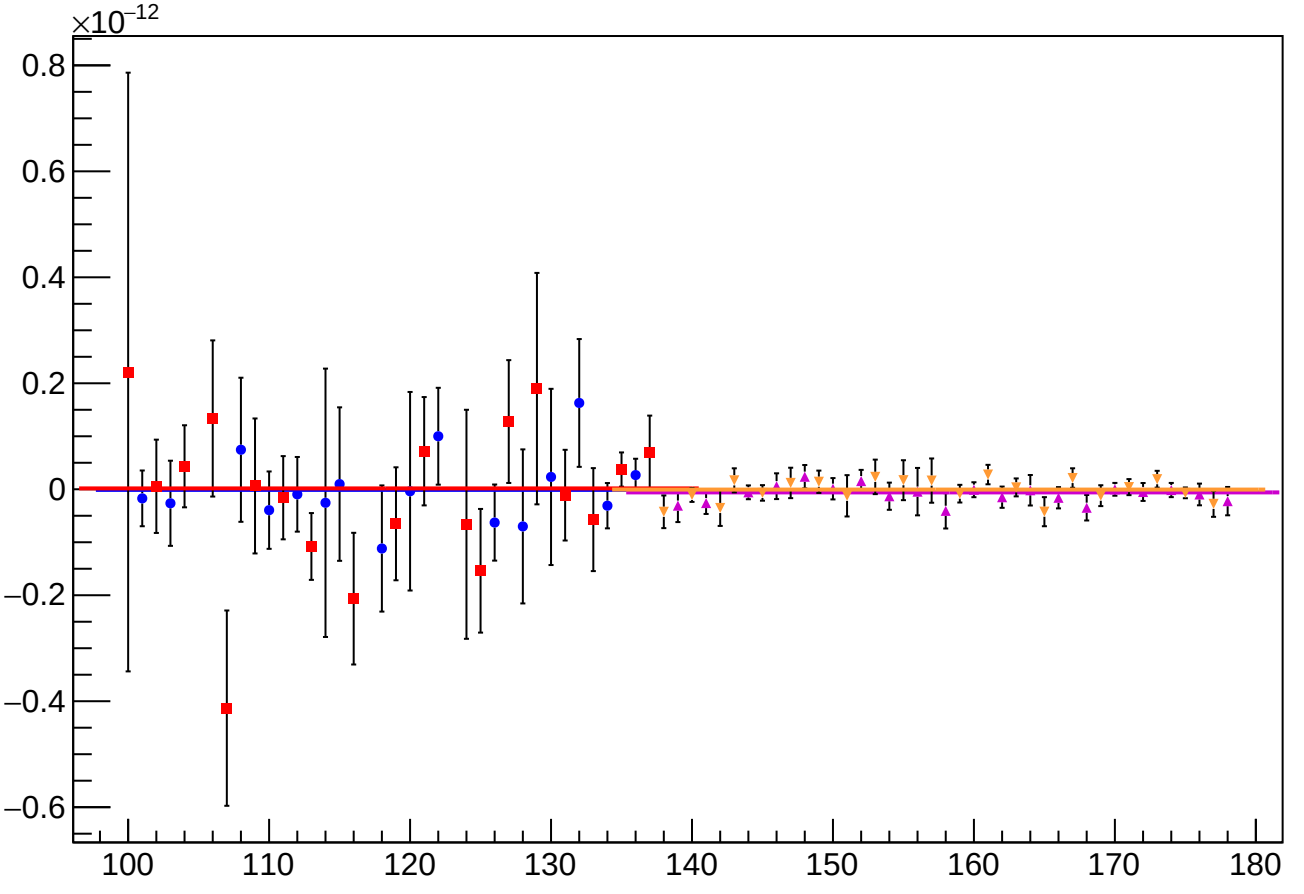
Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 518.081+/-0.093 χ^2/NDF:1098118.4/19

+ sign 570.903+/-0.087 χ^2/NDF: 3957807.1/36

All: 570.480+/-0.061 χ^2/NDF: 8105945.1/75

- sign 570.055+/-0.087 χ^2/NDF: 4148090.2/38



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.9/20

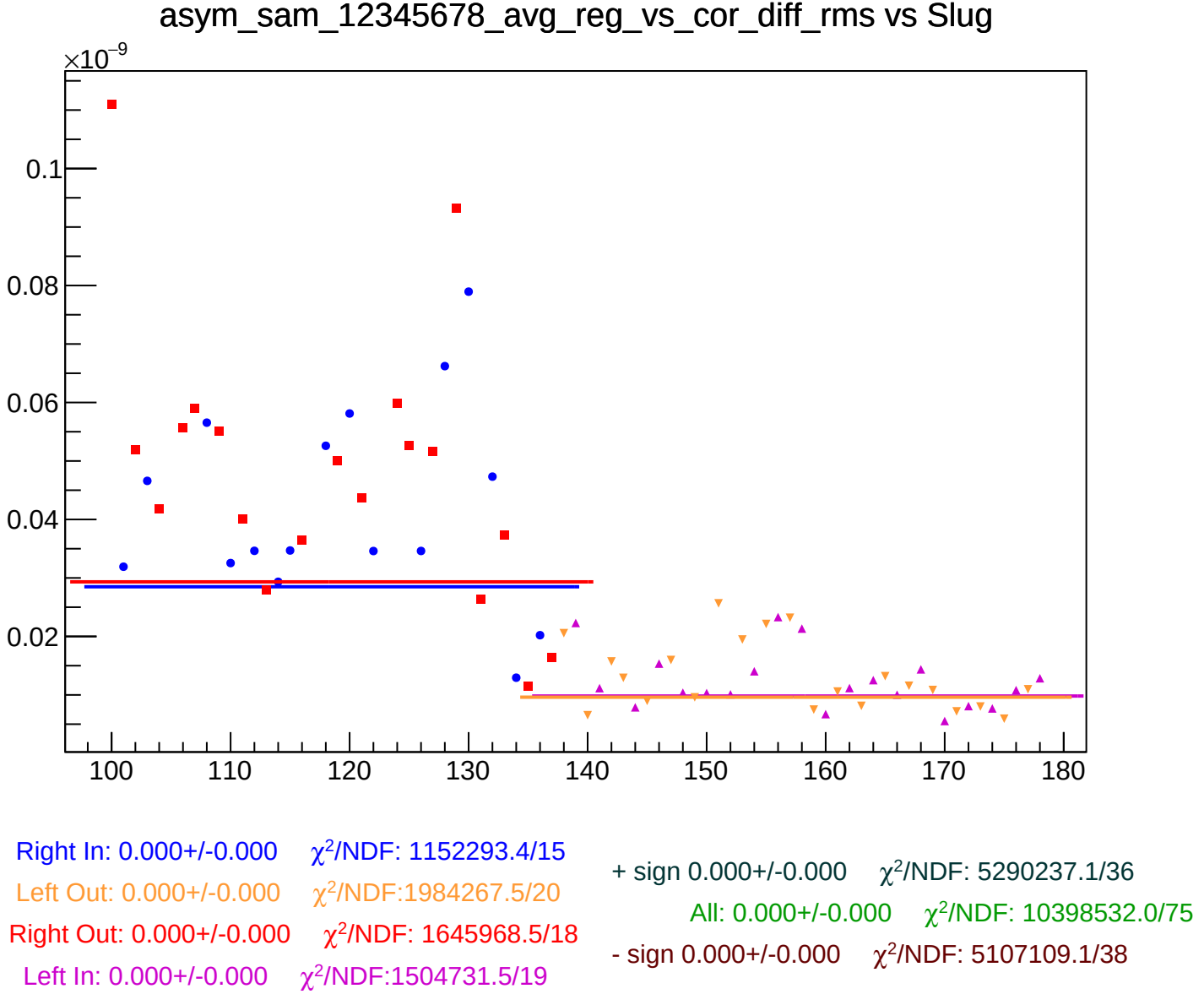
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

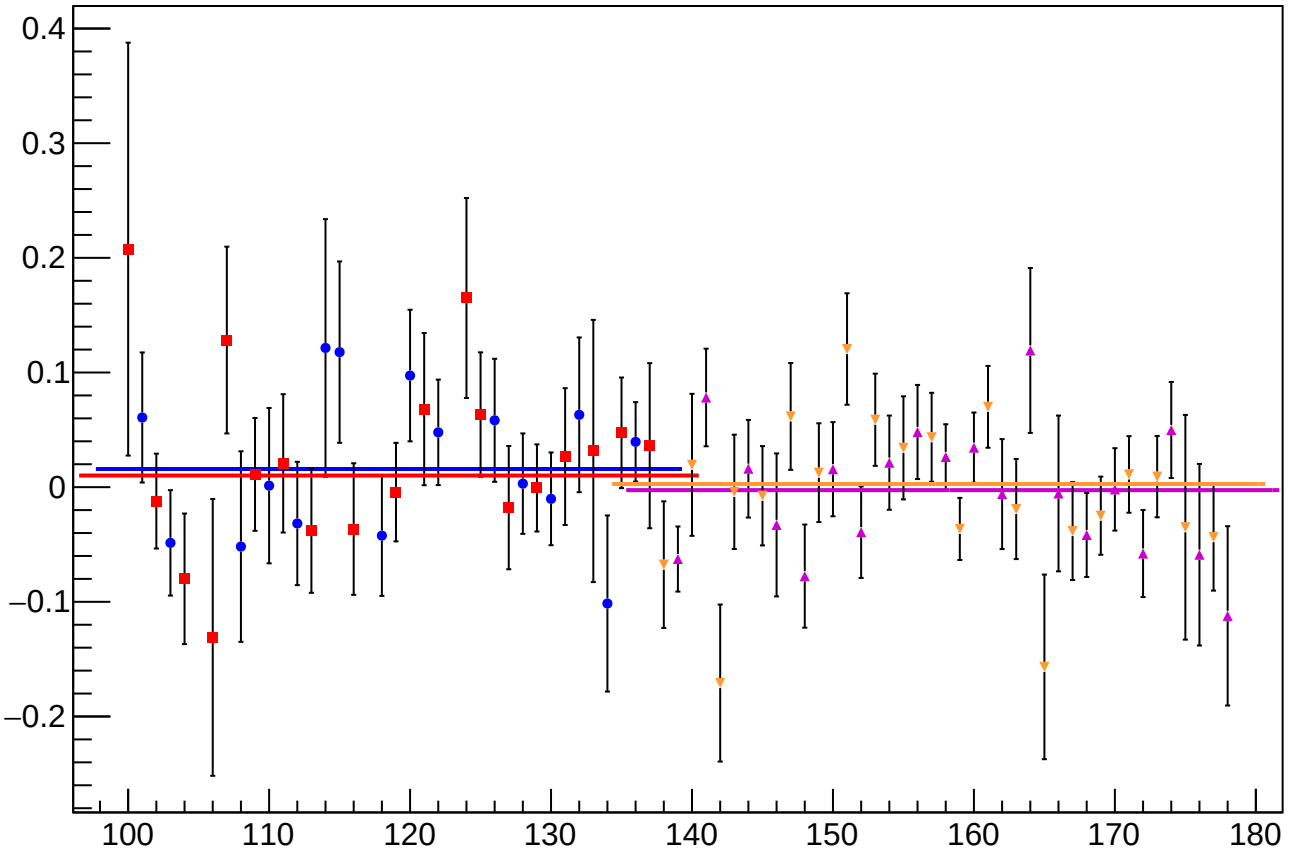
Left In: -0.000+/-0.000 χ^2/NDF:8.8/19

+ sign -0.000+/-0.000 χ^2/NDF: 22.9/36

All: -0.000+/-0.000 χ^2/NDF: 52.0/75

- sign -0.000+/-0.000 χ^2/NDF: 28.3/38


asym_sam_12345678_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1152293.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1984267.5/20
Right Out: 0.000+/-0.000 χ²/NDF: 1645968.5/18
Left In: 0.000+/-0.000 χ²/NDF:1504731.5/19
+ sign 0.000+/-0.000 χ²/NDF: 5290237.1/36
All: 0.000+/-0.000 χ²/NDF: 10398532.0/75
- sign 0.000+/-0.000 χ²/NDF: 5107109.1/38



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.003+/-0.009 χ^2/NDF:31.9/20

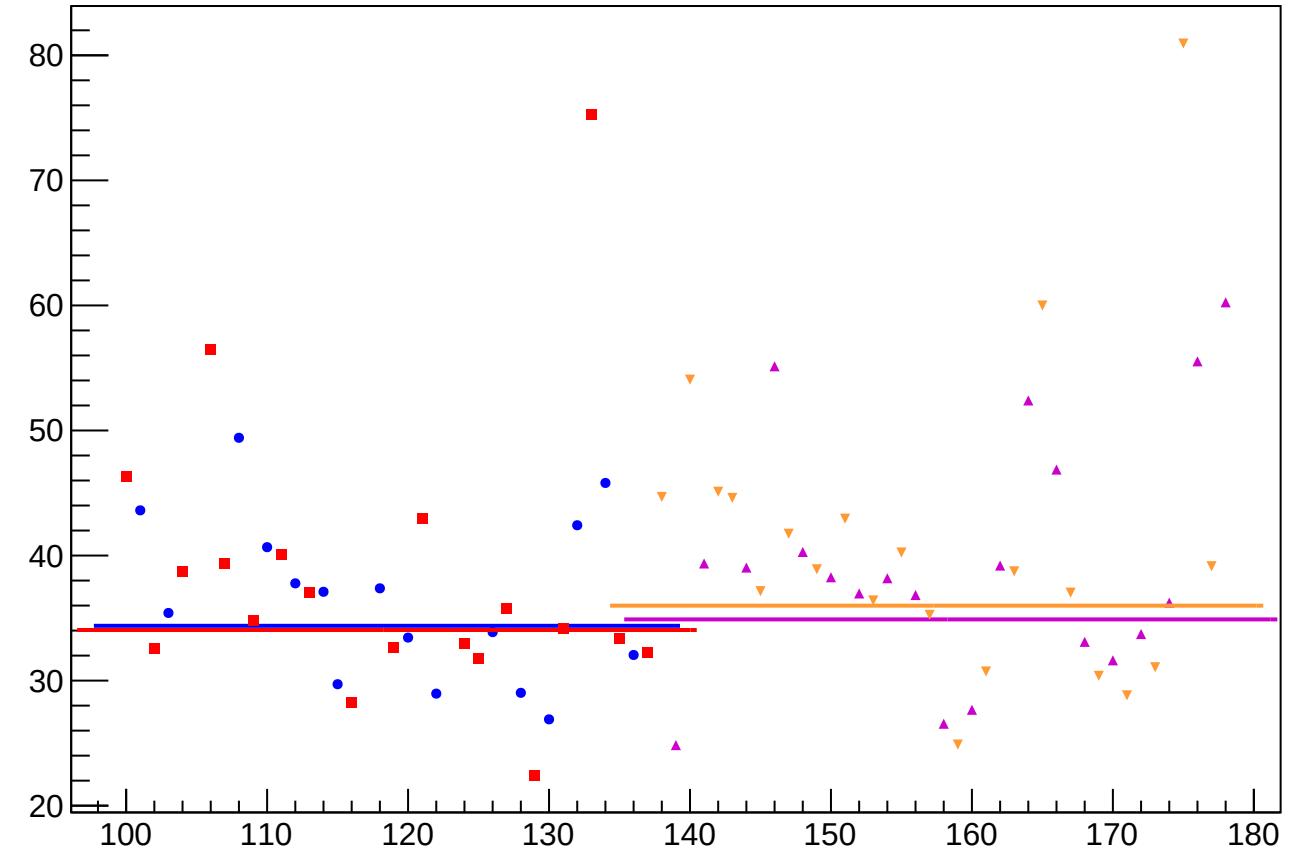
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.003+/-0.009 χ^2/NDF:26.9/19

+ sign 0.007+/-0.008 χ^2/NDF: 47.3/36

All: 0.004+/-0.005 χ^2/NDF: 90.2/75

- sign 0.002+/-0.008 χ^2/NDF: 42.6/38



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 35.994+/-0.007 χ^2/NDF:1597078.0/20

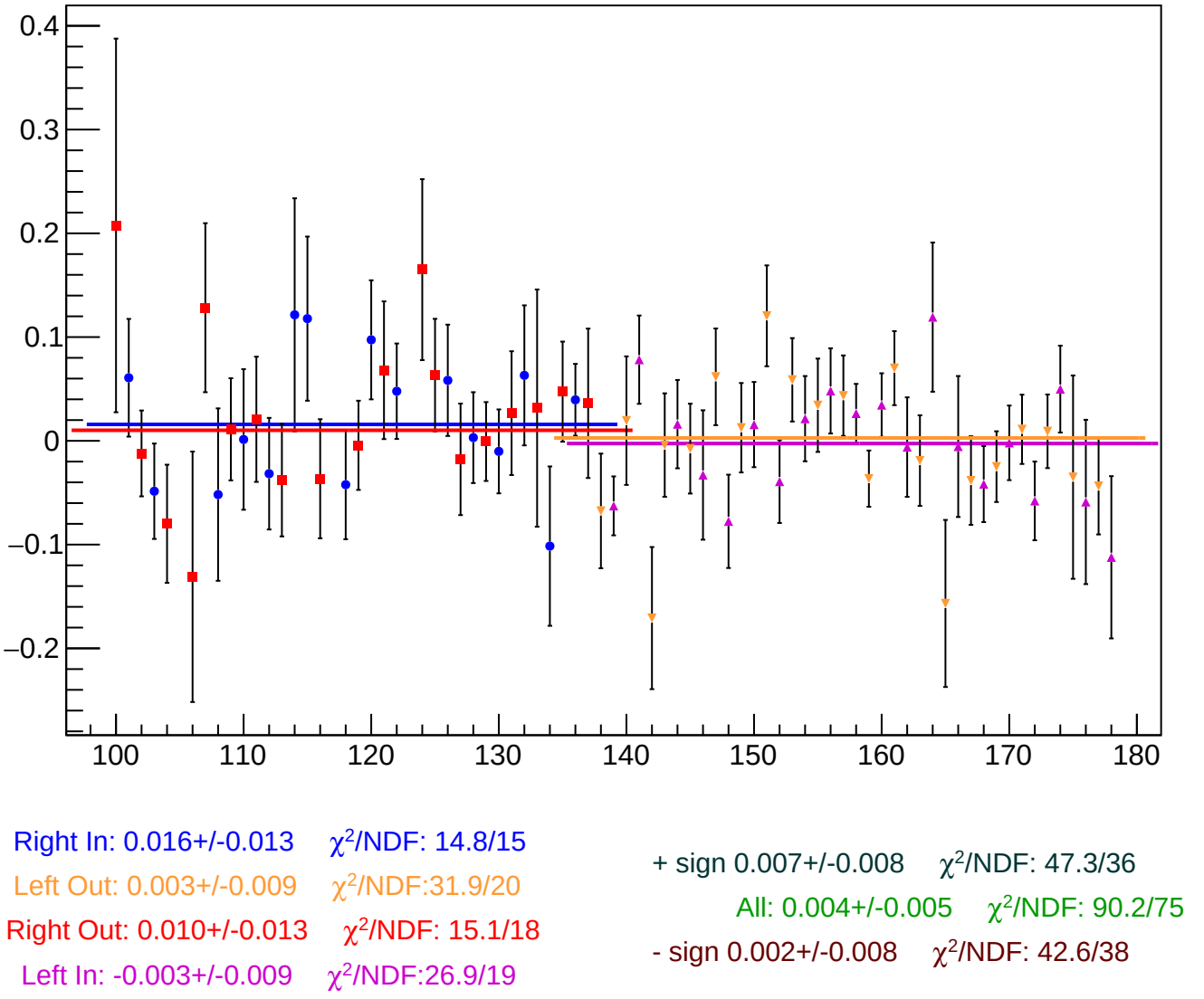
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

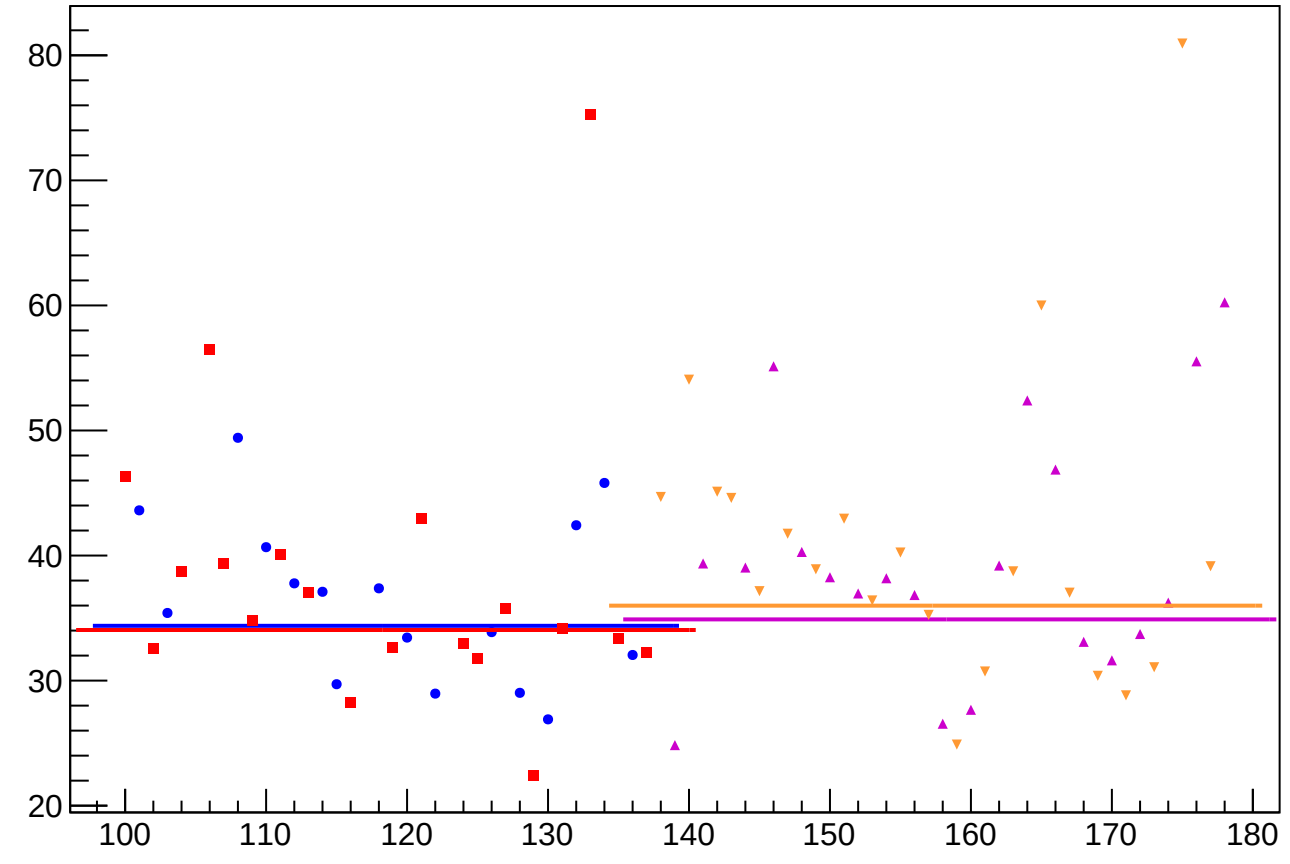
Left In: 34.895+/-0.007 χ^2/NDF:1418054.4/19

+ sign 35.465+/-0.005 χ^2/NDF: 1984426.8/36

All: 35.035+/-0.004 χ^2/NDF: 4063121.8/75

- sign 34.617+/-0.005 χ^2/NDF: 2066285.0/38


asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
170
180
Right In: 0.016+/-0.013 χ²/NDF: 14.8/15
Left Out: 0.003+/-0.009 χ²/NDF:31.9/20
Right Out: 0.010+/-0.013 χ²/NDF: 15.1/18
Left In: -0.003+/-0.009 χ²/NDF:26.9/19
+ sign 0.007+/-0.008 χ²/NDF: 47.3/36
All: 0.004+/-0.005 χ²/NDF: 90.2/75
- sign 0.002+/-0.008 χ²/NDF: 42.6/38



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 35.994+/-0.007 χ^2/NDF:1597078.0/20

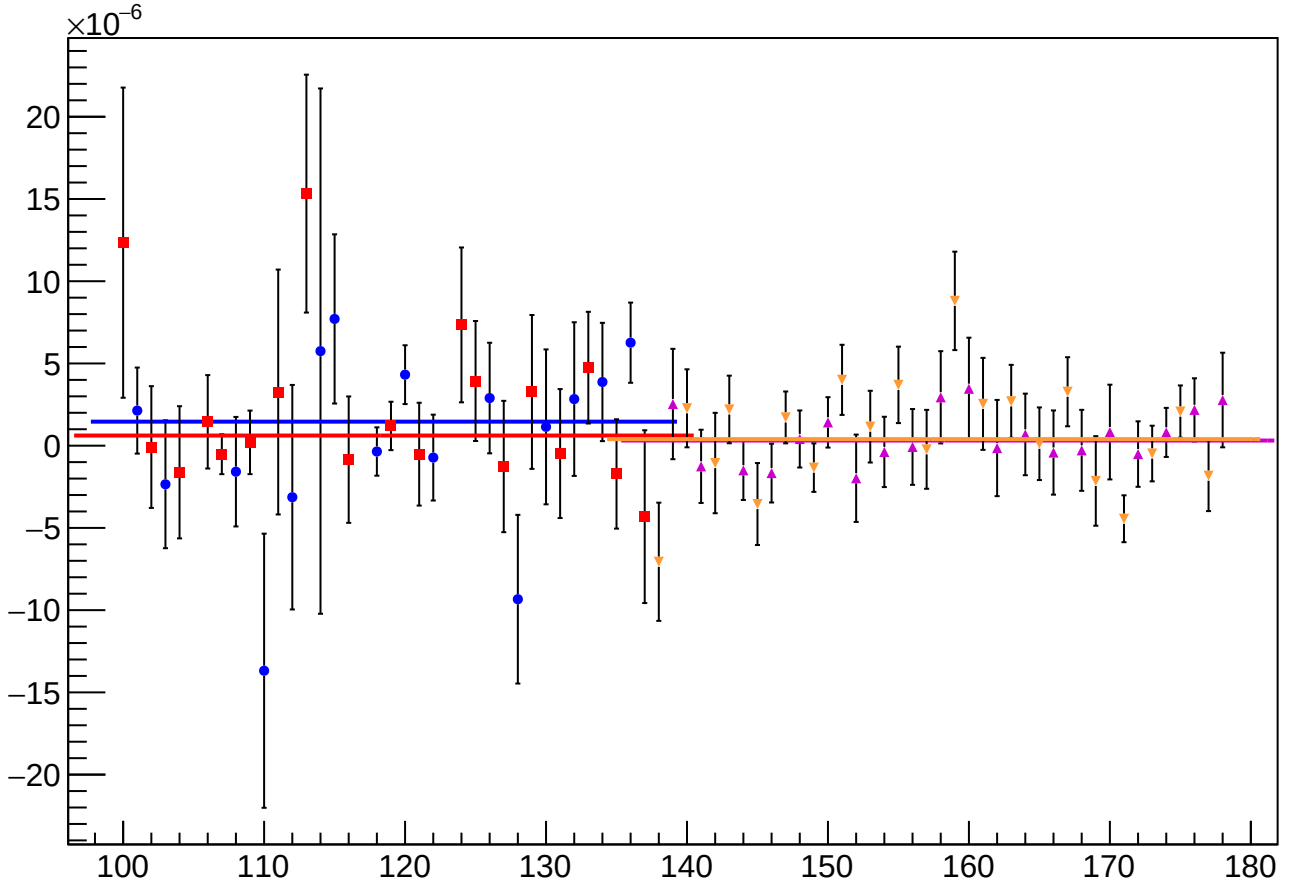
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.895+/-0.007 χ^2/NDF:1418054.4/19

+ sign 35.465+/-0.005 χ^2/NDF: 1984426.8/36

All: 35.035+/-0.004 χ^2/NDF: 4063121.8/75

- sign 34.617+/-0.005 χ^2/NDF: 2066285.0/38



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:41.9/20

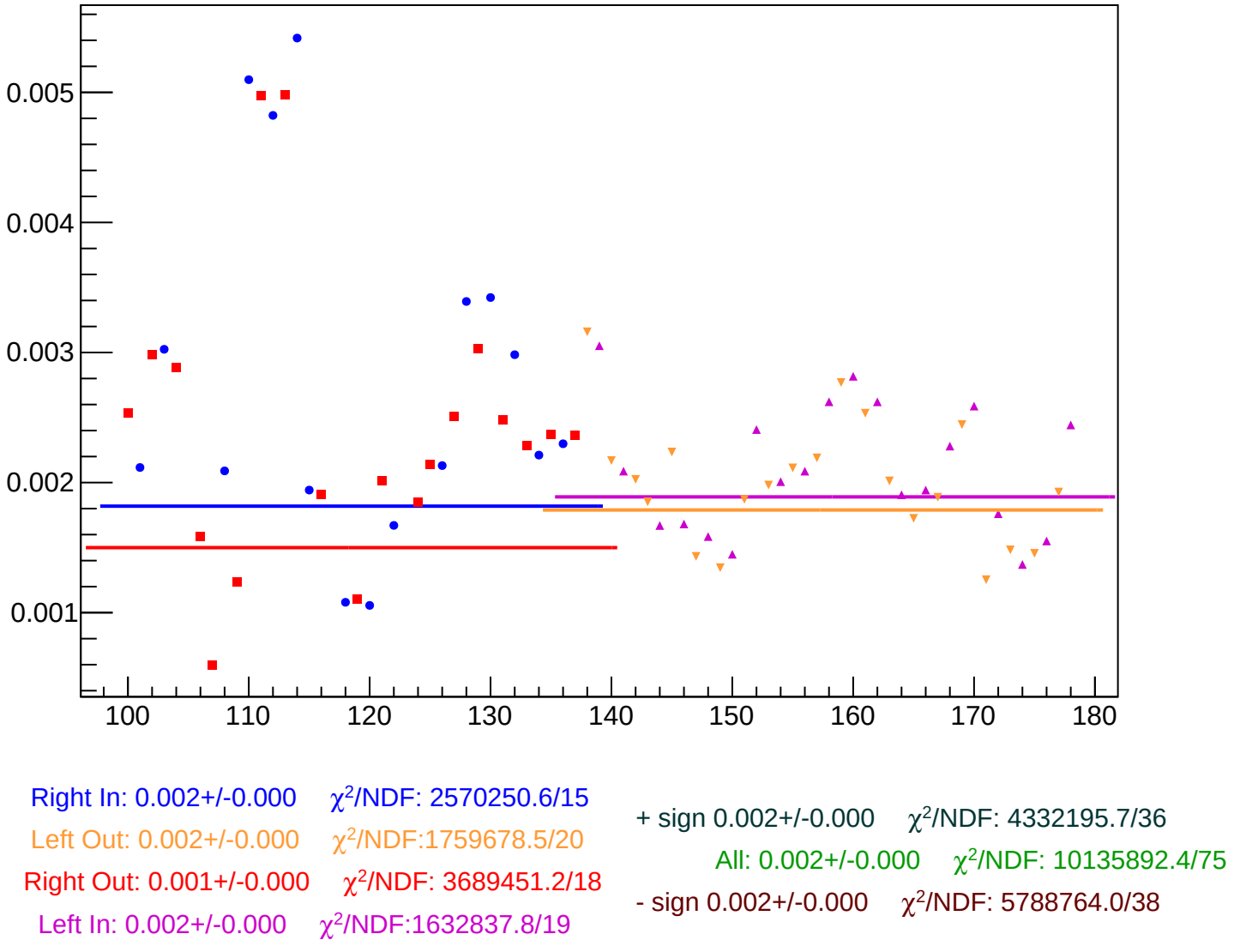
Right Out: 0.000+/-0.000 χ^2/NDF: 13.9/18

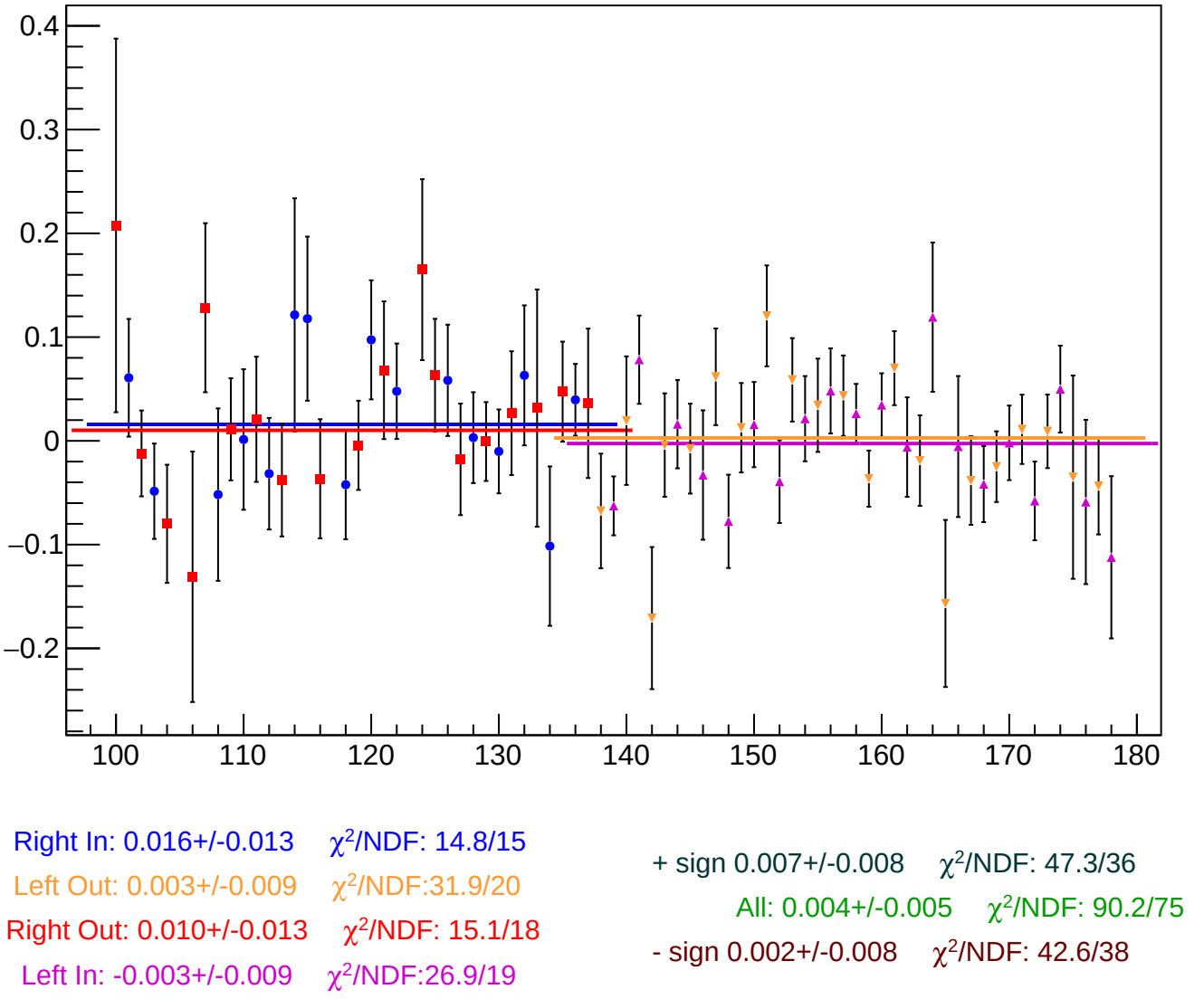
Left In: 0.000+/-0.000 χ^2/NDF:8.7/19

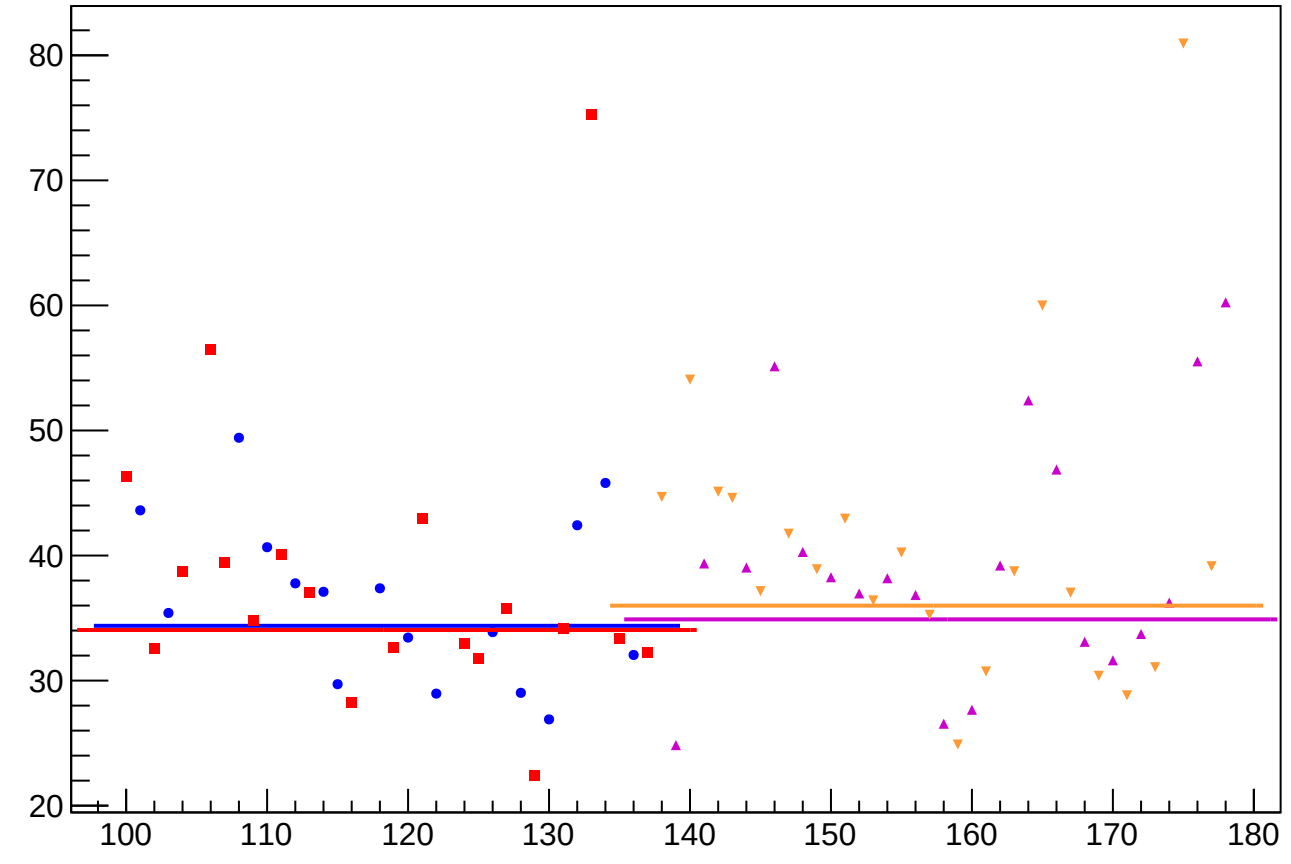
+ sign 0.000+/-0.000 χ^2/NDF: 64.3/36

All: 0.000+/-0.000 χ^2/NDF: 87.3/75

- sign 0.000+/-0.000 χ^2/NDF: 22.7/38


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
160
170
180
Right In: 0.002+/-0.000 χ²/NDF: 2570250.6/15
Left Out: 0.002+/-0.000 χ²/NDF:1759678.5/20
Right Out: 0.001+/-0.000 χ²/NDF: 3689451.2/18
Left In: 0.002+/-0.000 χ²/NDF:1632837.8/19
+ sign 0.002+/-0.000 χ²/NDF: 4332195.7/36
All: 0.002+/-0.000 χ²/NDF: 10135892.4/75
- sign 0.002+/-0.000 χ²/NDF: 5788764.0/38


asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
170
180
Right In: 0.016+/-0.013 χ²/NDF: 14.8/15
Left Out: 0.003+/-0.009 χ²/NDF:31.9/20
Right Out: 0.010+/-0.013 χ²/NDF: 15.1/18
Left In: -0.003+/-0.009 χ²/NDF:26.9/19
+ sign 0.007+/-0.008 χ²/NDF: 47.3/36
All: 0.004+/-0.005 χ²/NDF: 90.2/75
- sign 0.002+/-0.008 χ²/NDF: 42.6/38



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 35.994+/-0.007 χ^2/NDF:1597134.5/20

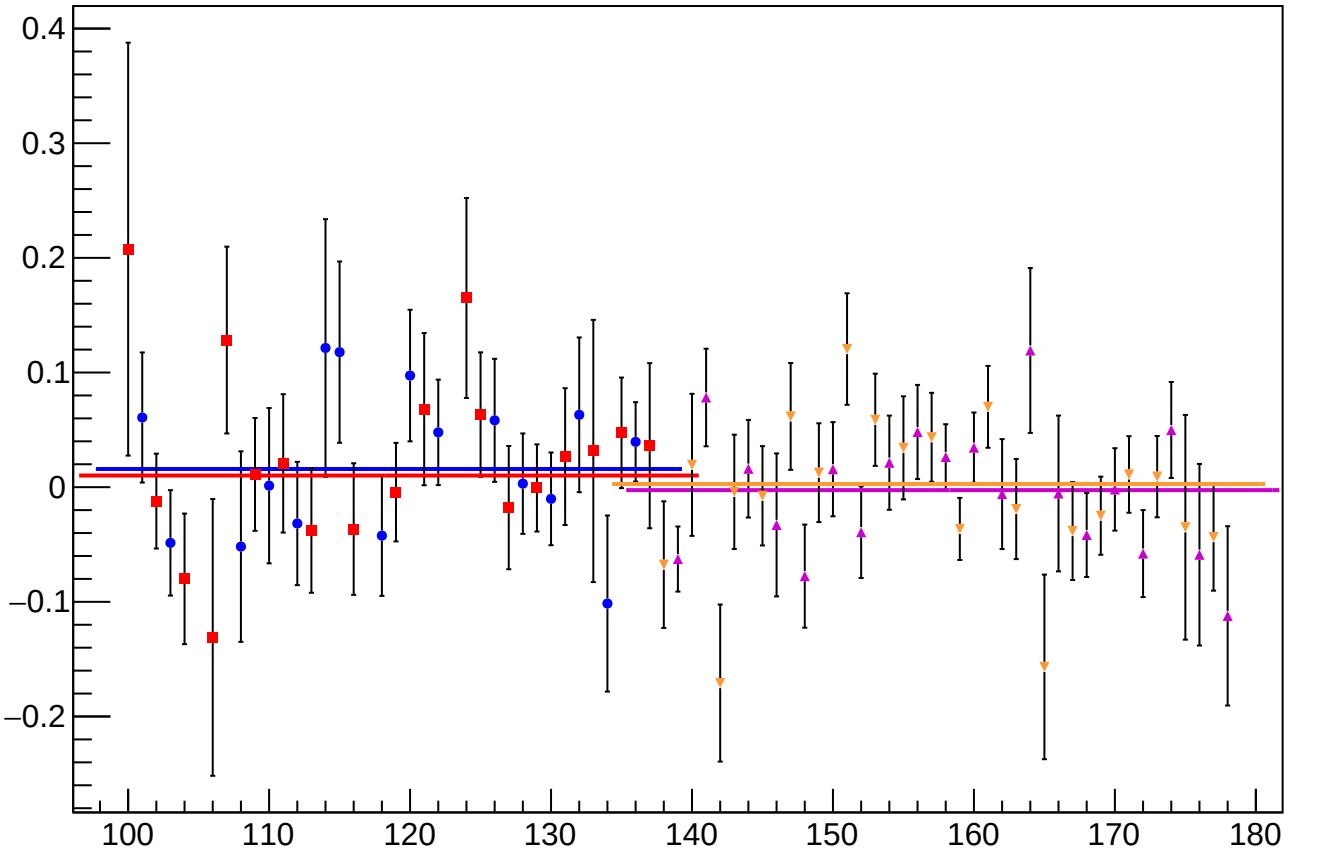
Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 34.895+/-0.007 χ^2/NDF:1418094.4/19

+ sign 35.465+/-0.005 χ^2/NDF: 1984563.7/36

All: 35.035+/-0.004 χ^2/NDF: 4063349.2/75

- sign 34.617+/-0.005 χ^2/NDF: 2066379.8/38



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.003+/-0.009 χ^2/NDF:31.9/20

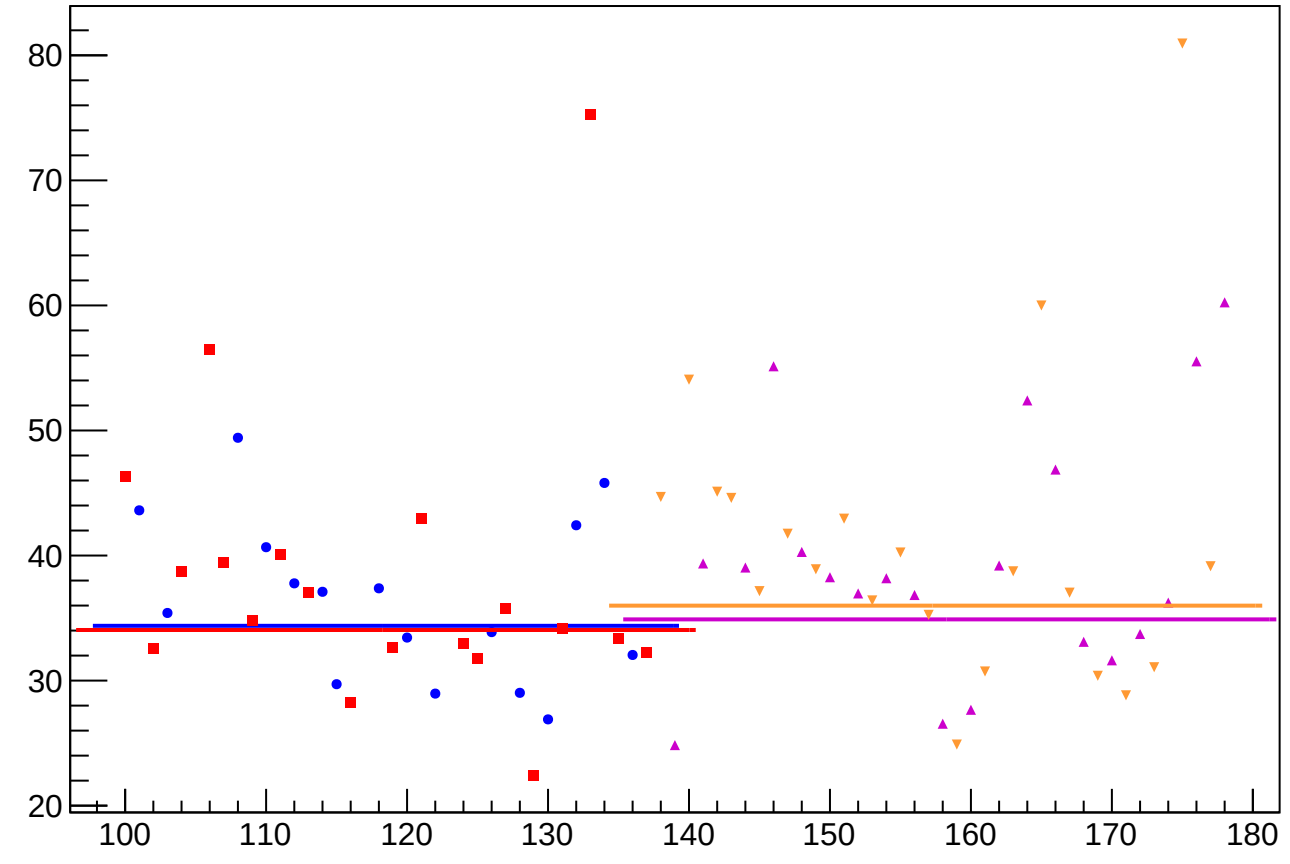
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.003+/-0.009 χ^2/NDF:26.9/19

+ sign 0.007+/-0.008 χ^2/NDF: 47.3/36

All: 0.004+/-0.005 χ^2/NDF: 90.2/75

- sign 0.002+/-0.008 χ^2/NDF: 42.6/38



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 35.994+/-0.007 χ^2/NDF:1597134.5/20

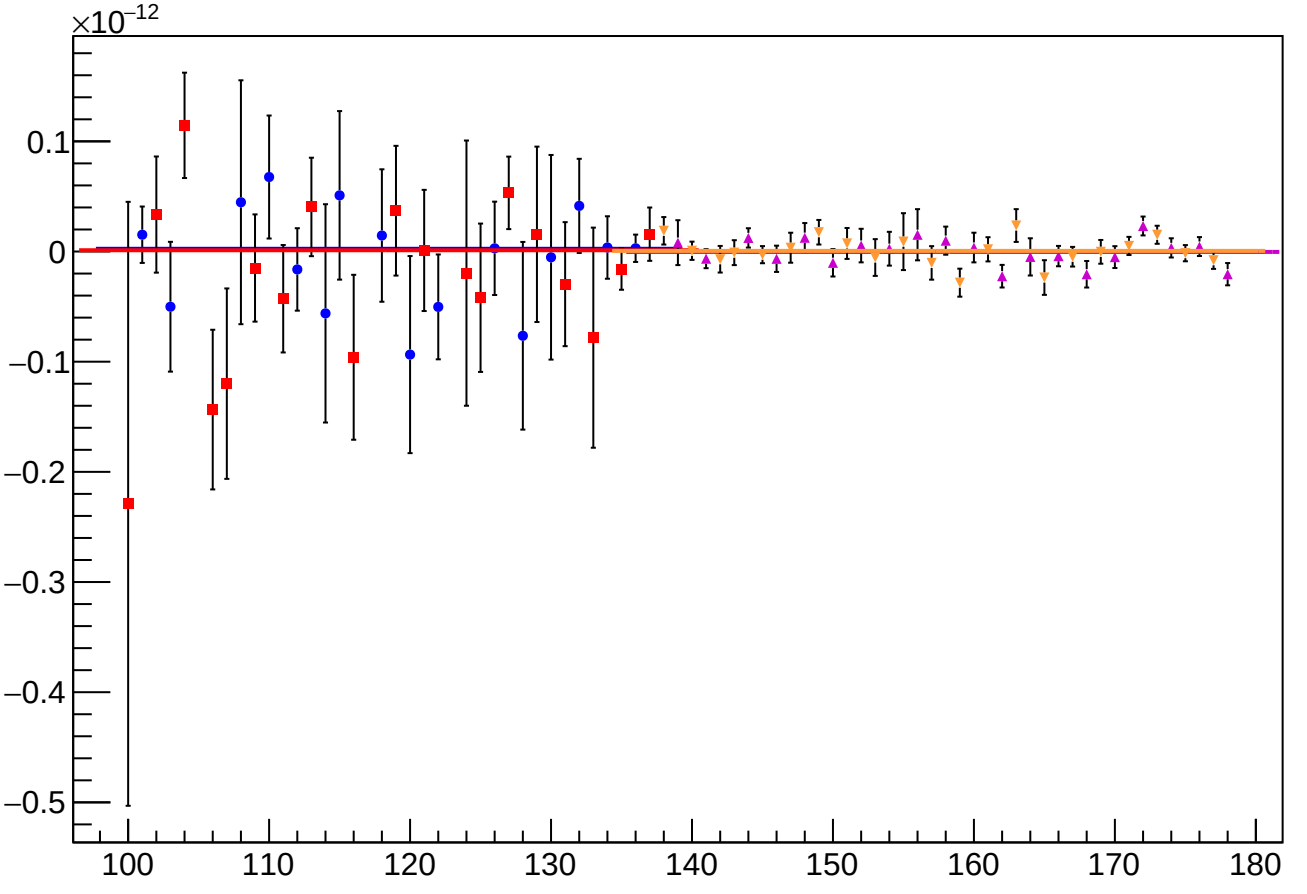
Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 34.895+/-0.007 χ^2/NDF:1418094.4/19

+ sign 35.465+/-0.005 χ^2/NDF: 1984563.7/36

All: 35.035+/-0.004 χ^2/NDF: 4063349.2/75

- sign 34.617+/-0.005 χ^2/NDF: 2066379.8/38



Right In: 0.000+/-0.000 χ^2/NDF: 7.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/20

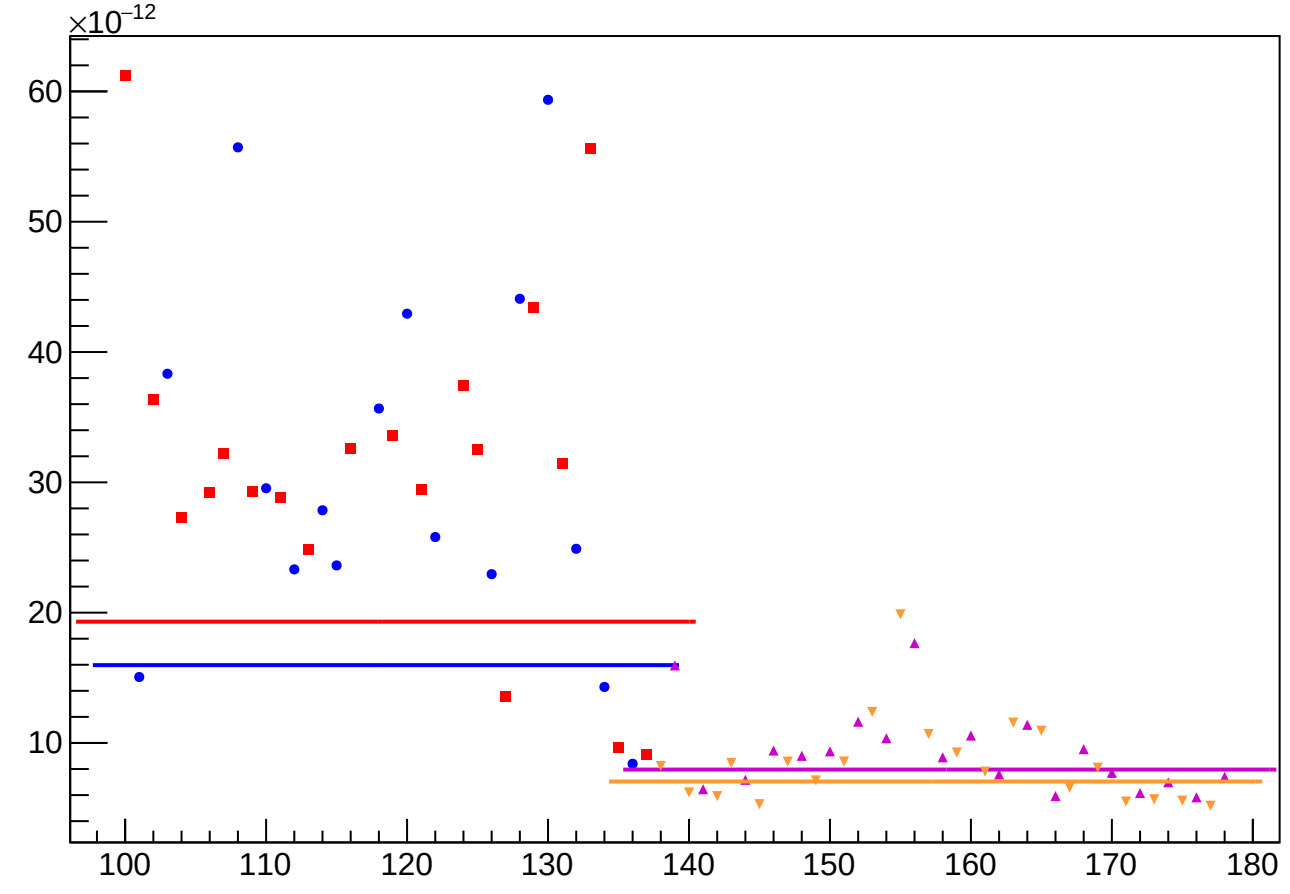
Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: -0.000+/-0.000 χ^2/NDF:25.9/19

+ sign 0.000+/-0.000 χ^2/NDF: 28.8/36

All: 0.000+/-0.000 χ^2/NDF: 76.4/75

- sign -0.000+/-0.000 χ^2/NDF: 47.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 2822278.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1771564.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2440768.5/18

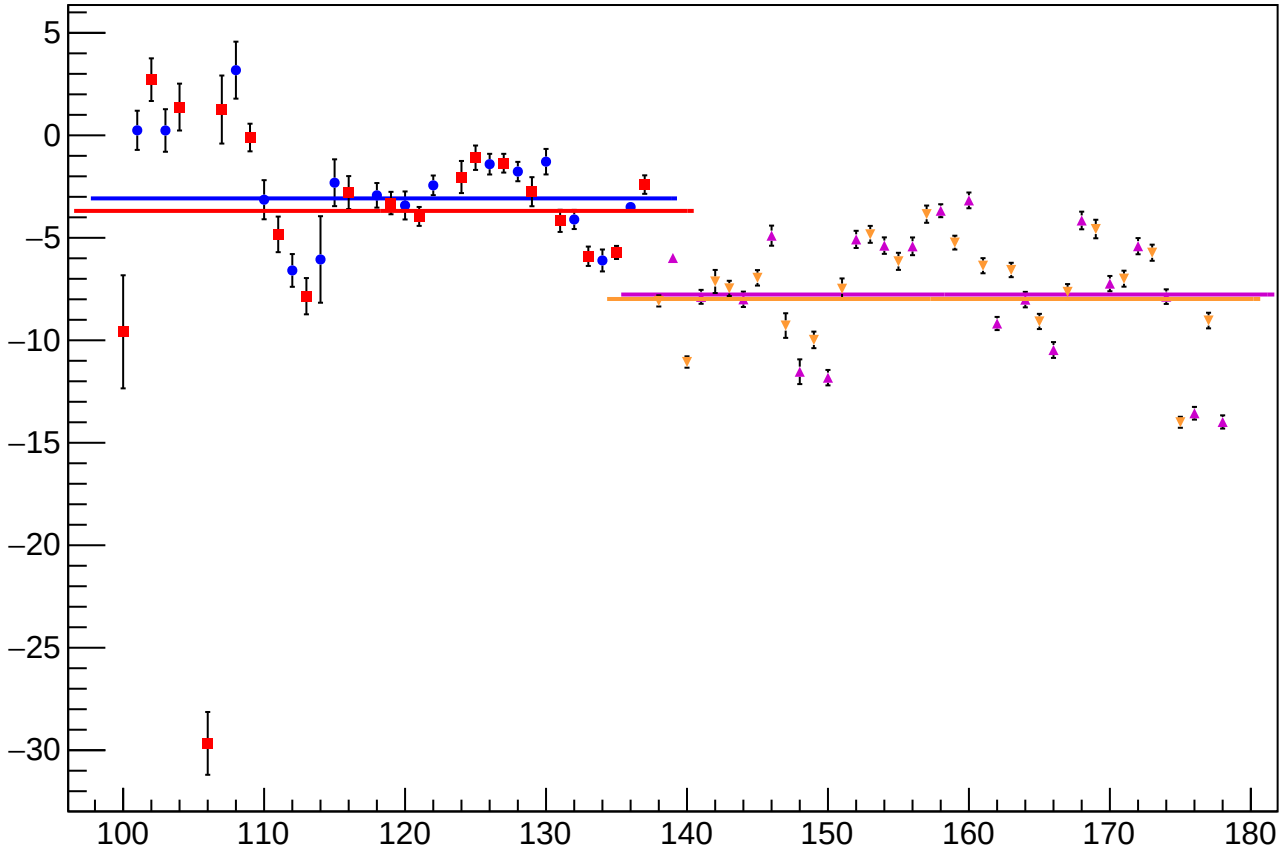
Left In: 0.000+/-0.000 χ^2/NDF:1512035.5/19

+ sign 0.000+/-0.000 χ^2/NDF: 6554535.4/36

All: 0.000+/-0.000 χ^2/NDF: 13018054.0/75

- sign 0.000+/-0.000 χ^2/NDF: 6288966.4/38

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -7.984+/-0.081 χ^2/NDF:1057.4/20

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

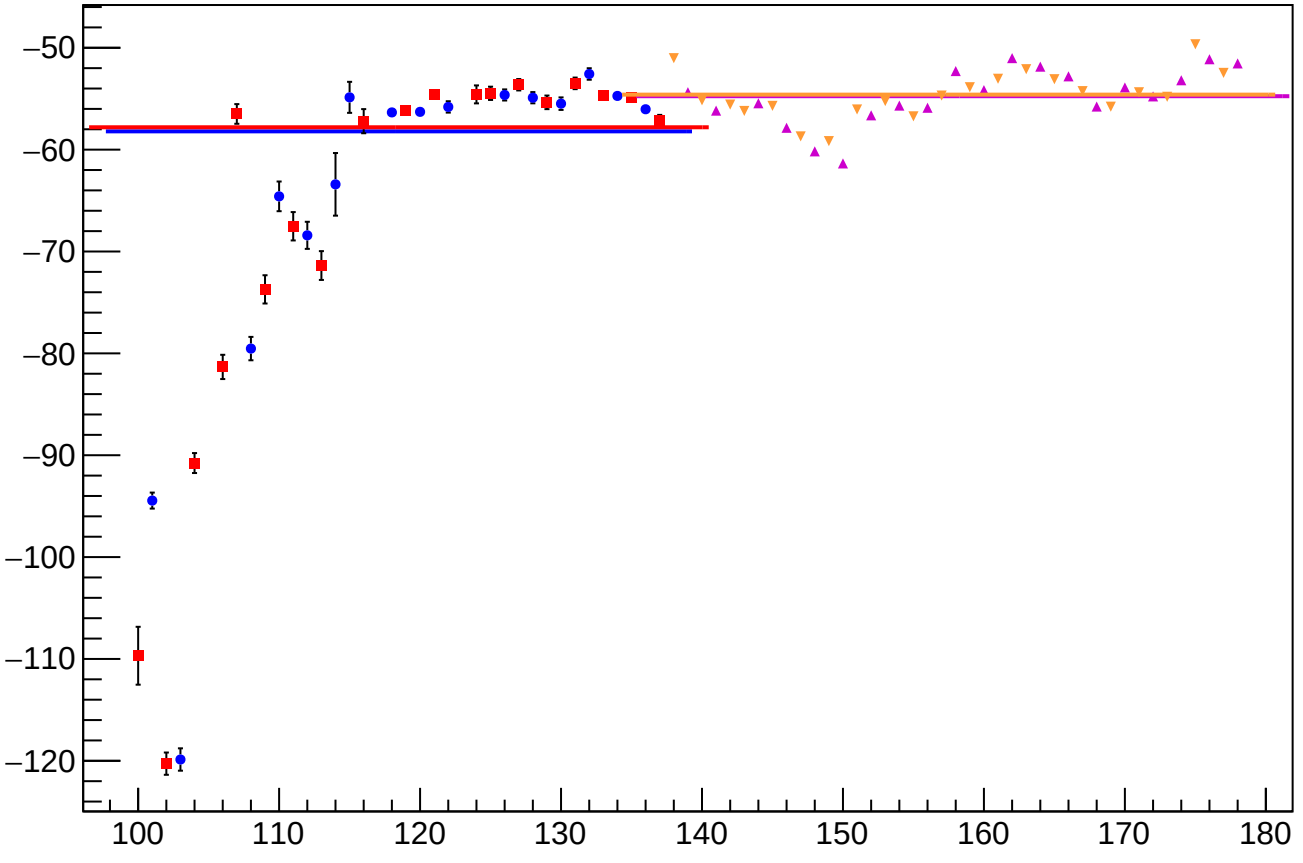
Left In: -7.767+/-0.081 χ^2/NDF:1558.0/19

+ sign -6.680+/-0.070 χ^2/NDF: 2158.2/36

All: -6.710+/-0.050 χ^2/NDF: 4885.0/75

- sign -6.740+/-0.070 χ^2/NDF: 2726.5/38

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -58.204+/-0.136 χ^2/NDF: 6126.9/15

Left Out: -54.600+/-0.061 χ^2/NDF:1404.8/20

Right Out: -57.804+/-0.138 χ^2/NDF: 5792.7/18

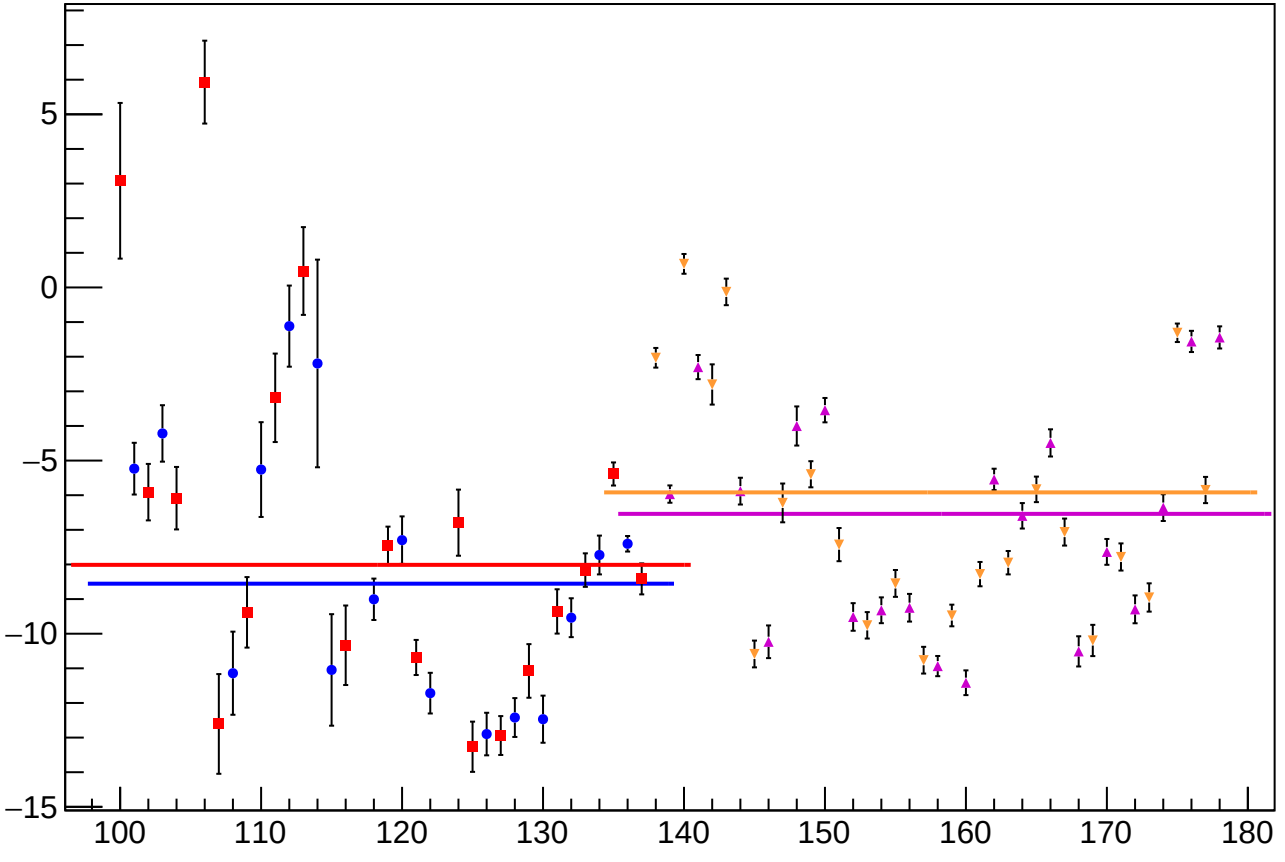
Left In: -54.754+/-0.063 χ^2/NDF:2045.9/19

+ sign -55.213+/-0.056 χ^2/NDF: 8118.4/36

All: -55.246+/-0.040 χ^2/NDF: 16359.1/75

- sign -55.280+/-0.058 χ^2/NDF: 8239.9/38

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -5.919+/-0.080 χ^2/NDF:2125.7/20

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

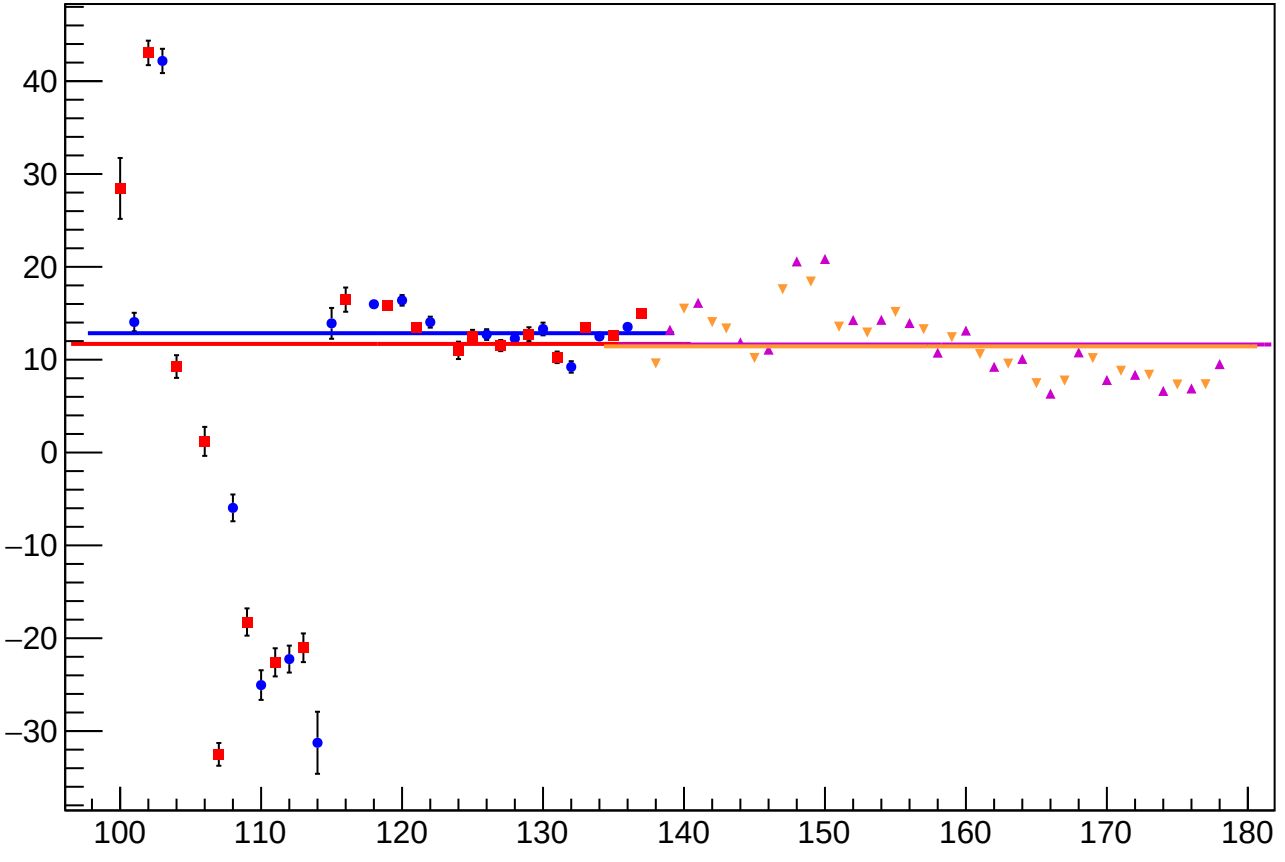
Left In: -6.539+/-0.080 χ^2/NDF:1575.0/19

+ sign -6.538+/-0.070 χ^2/NDF: 2680.3/36

All: -6.695+/-0.050 χ^2/NDF: 4827.5/75

- sign -6.856+/-0.071 χ^2/NDF: 2137.1/38

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 11.436+/-0.069 χ^2/NDF:2200.7/20

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

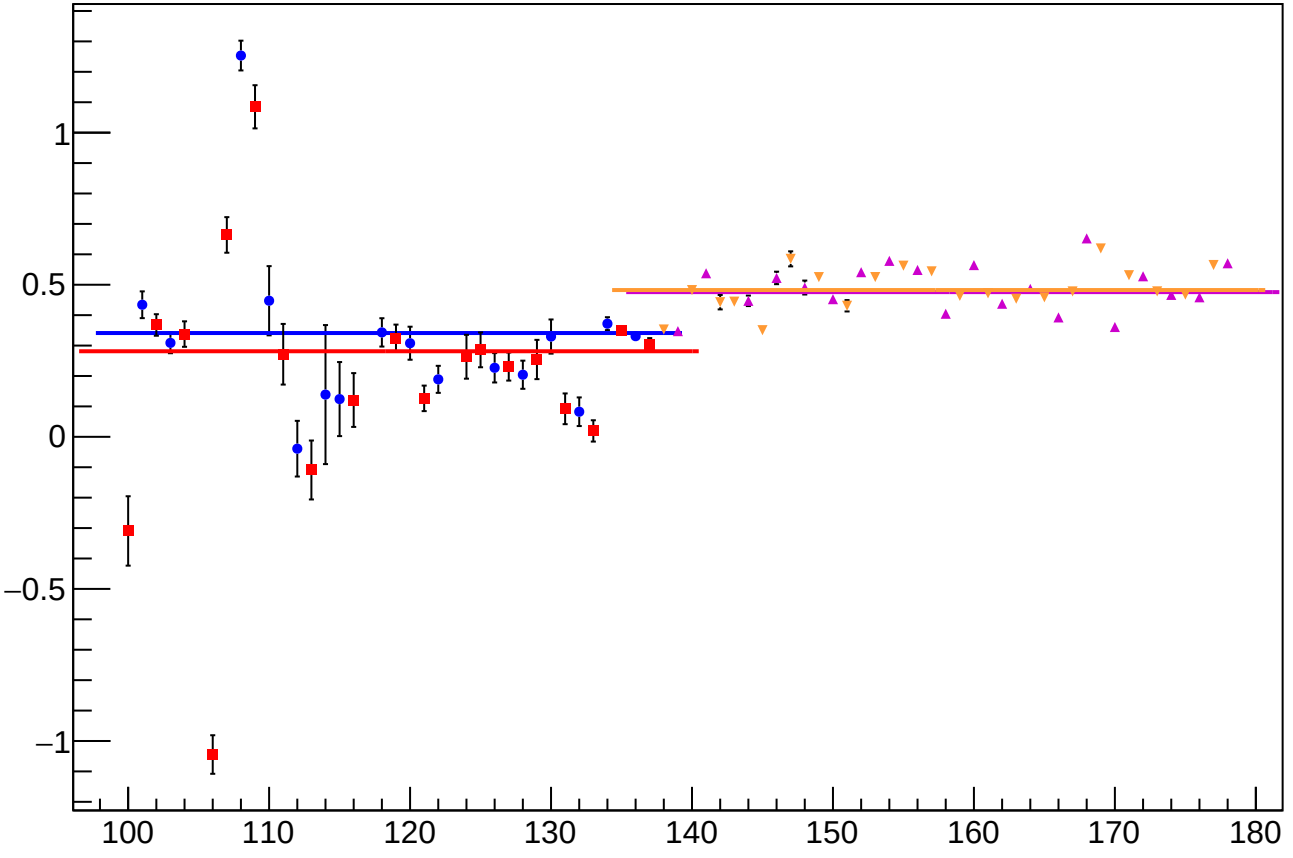
Left In: 11.635+/-0.070 χ^2/NDF:3081.5/19

\+ sign 11.681+/-0.063 χ^2/NDF: 4402.7/36

All: 11.664+/-0.045 χ^2/NDF: 10983.3/75

\- sign 11.646+/-0.064 χ^2/NDF: 6580.4/38

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.483+/-0.003 χ^2/NDF:464.6/20

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

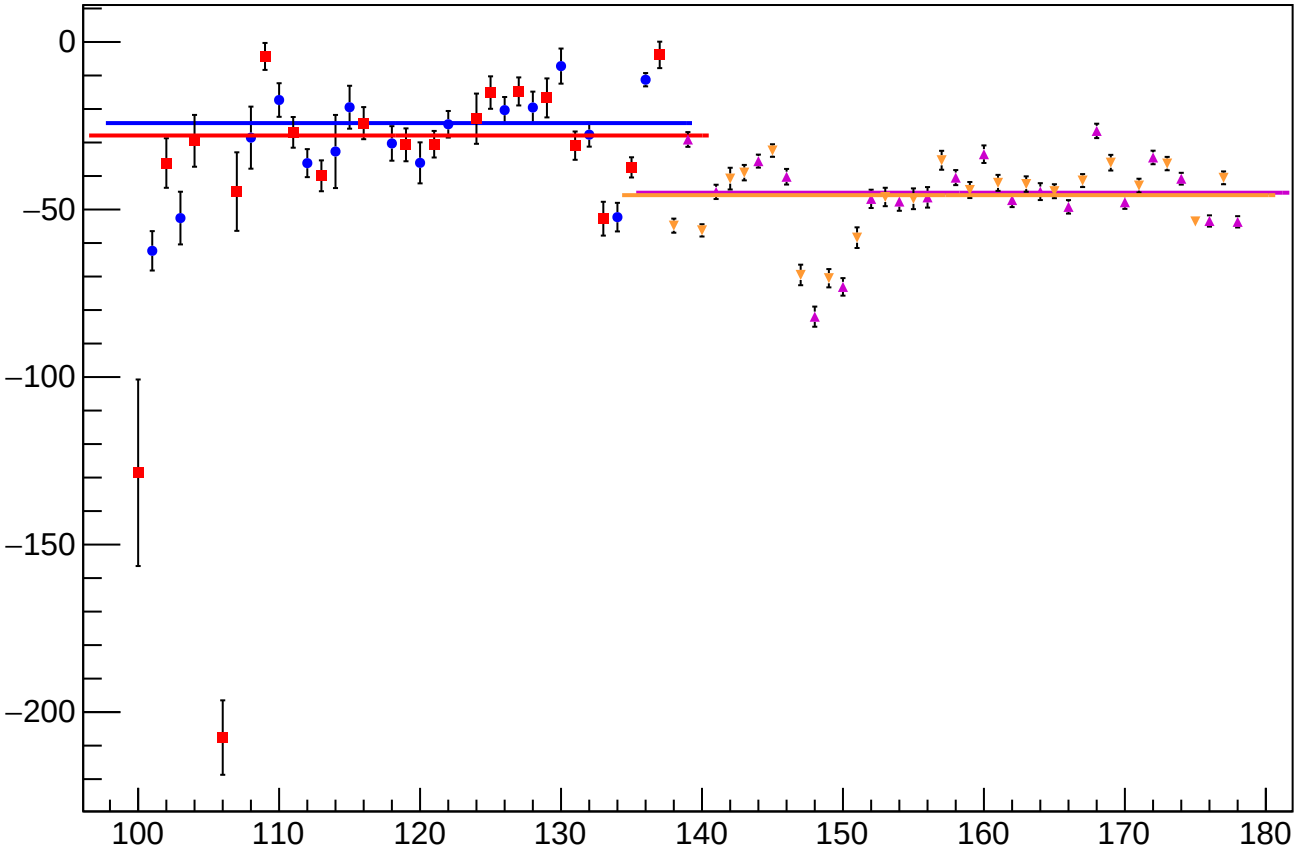
Left In: 0.476+/-0.003 χ^2/NDF:773.7/19

+ sign 0.464+/-0.003 χ^2/NDF: 1180.0/36

All: 0.459+/-0.002 χ^2/NDF: 3206.5/75

- sign 0.454+/-0.003 χ^2/NDF: 2020.1/38

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -24.205+/-1.086 χ^2/NDF: 170.7/15

Left Out: -45.712+/-0.487 χ^2/NDF:372.1/20

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

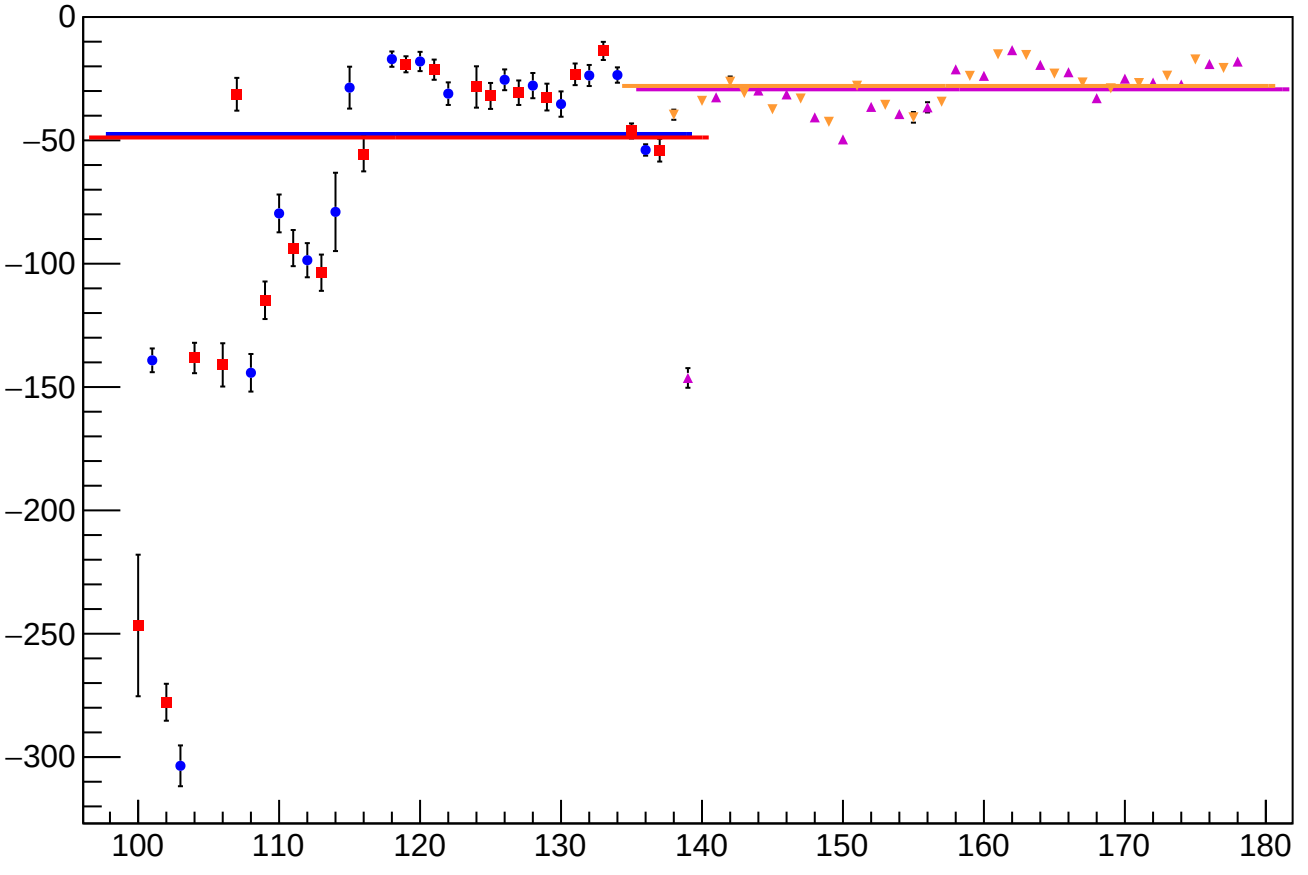
Left In: -44.982+/-0.487 χ^2/NDF:536.9/19

+ sign -42.115+/-0.444 χ^2/NDF: 869.2/36

All: -42.225+/-0.315 χ^2/NDF: 2010.2/75

- sign -42.336+/-0.448 χ^2/NDF: 1140.9/38

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -27.943+/-0.360 χ^2/NDF:462.3/20

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

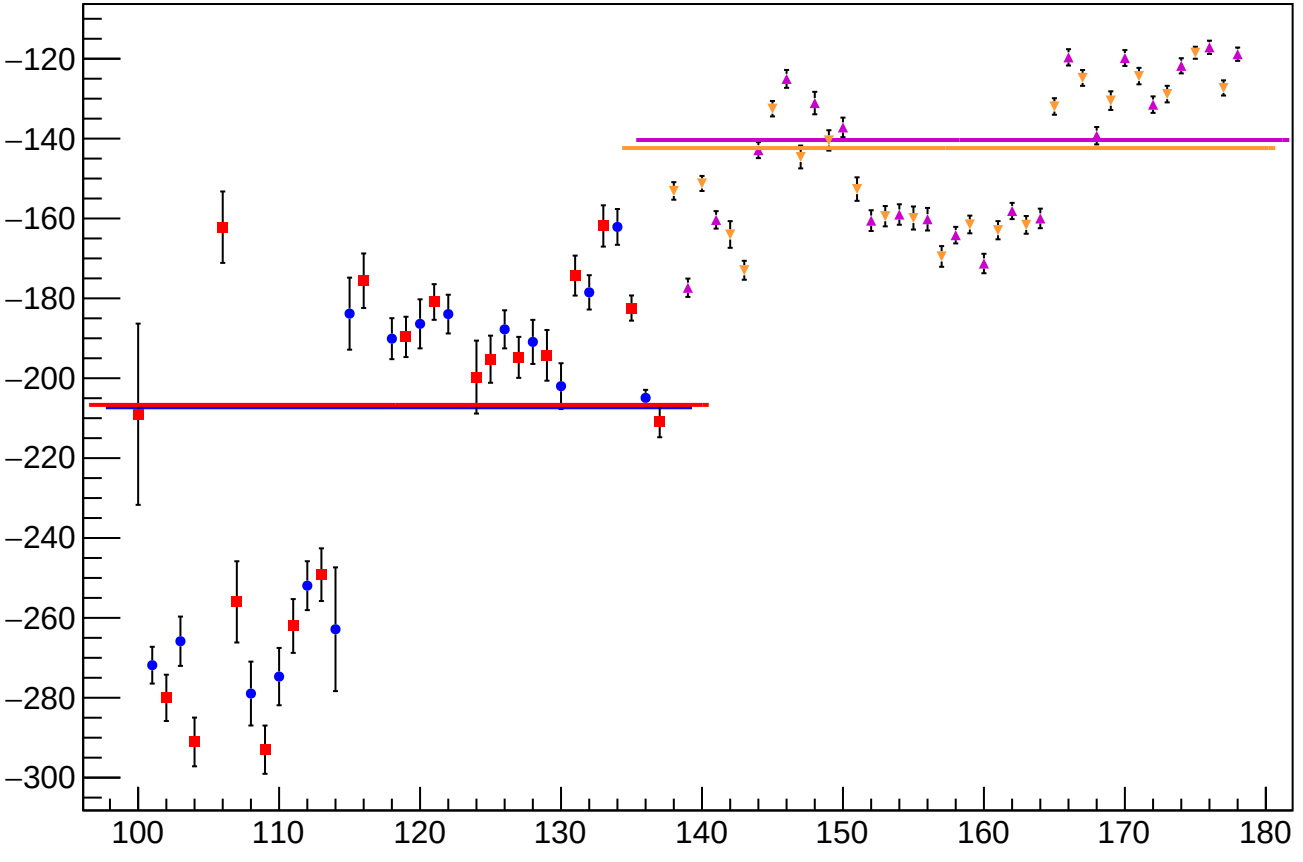
Left In: -29.312+/-0.366 χ^2/NDF:1422.3/19

+ sign -29.822+/-0.342 χ^2/NDF: 2618.7/36

All: -30.407+/-0.244 χ^2/NDF: 6070.2/75

- sign -31.019+/-0.350 χ^2/NDF: 3445.6/38

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -142.368+/-0.482 χ^2/NDF:1279.3/20

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

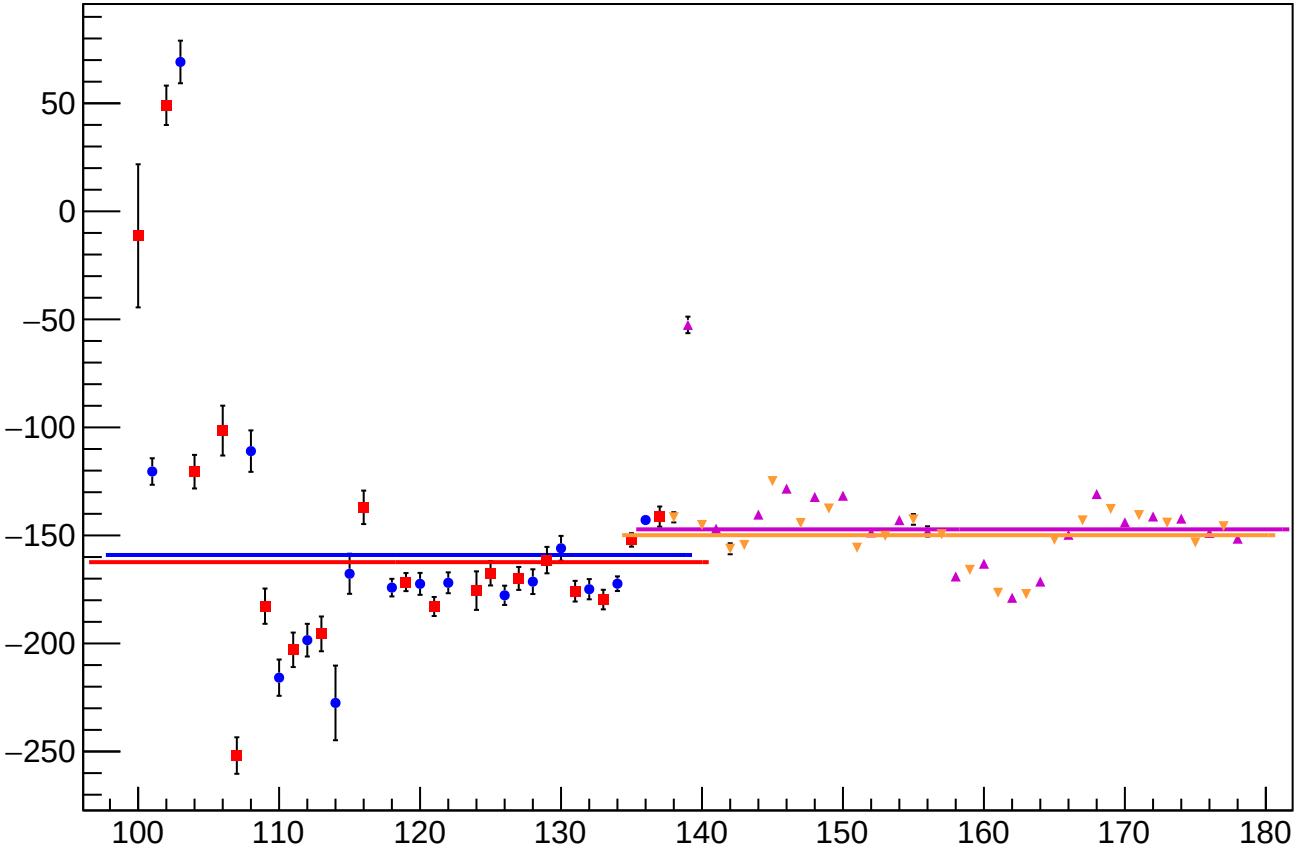
Left In: -140.352+/-0.482 χ^2/NDF:1684.6/19

+ sign -151.685+/-0.446 χ^2/NDF: 4625.7/36

All: -150.149+/-0.317 χ^2/NDF: 9657.1/75

- sign -148.583+/-0.451 χ^2/NDF: 5007.5/38

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -159.048+/-1.225 χ^2/NDF: 815.8/15

Left Out: -149.891+/-0.406 χ^2/NDF:994.1/20

Right Out: -162.370+/-1.324 χ^2/NDF: 872.6/18

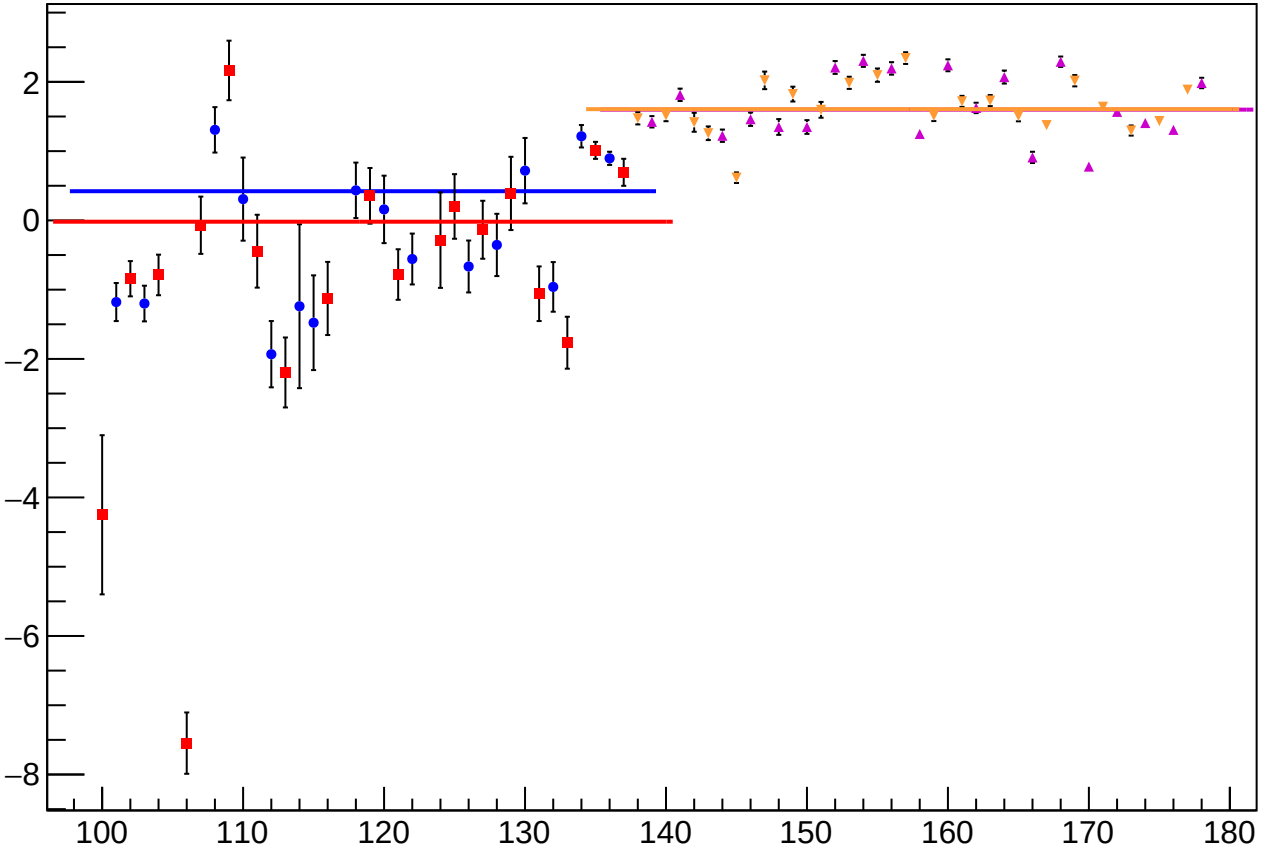
Left In: -147.187+/-0.411 χ^2/NDF:1720.1/19

+ sign -150.796+/-0.385 χ^2/NDF: 1860.2/36

All: -149.678+/-0.275 χ^2/NDF: 4590.0/75

- sign -148.519+/-0.392 χ^2/NDF: 2712.6/38

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.421+/-0.065 χ^2/NDF: 197.6/15

Left Out: 1.606+/-0.018 χ^2/NDF:403.1/20

Right Out: -0.019+/-0.072 χ^2/NDF: 488.2/18

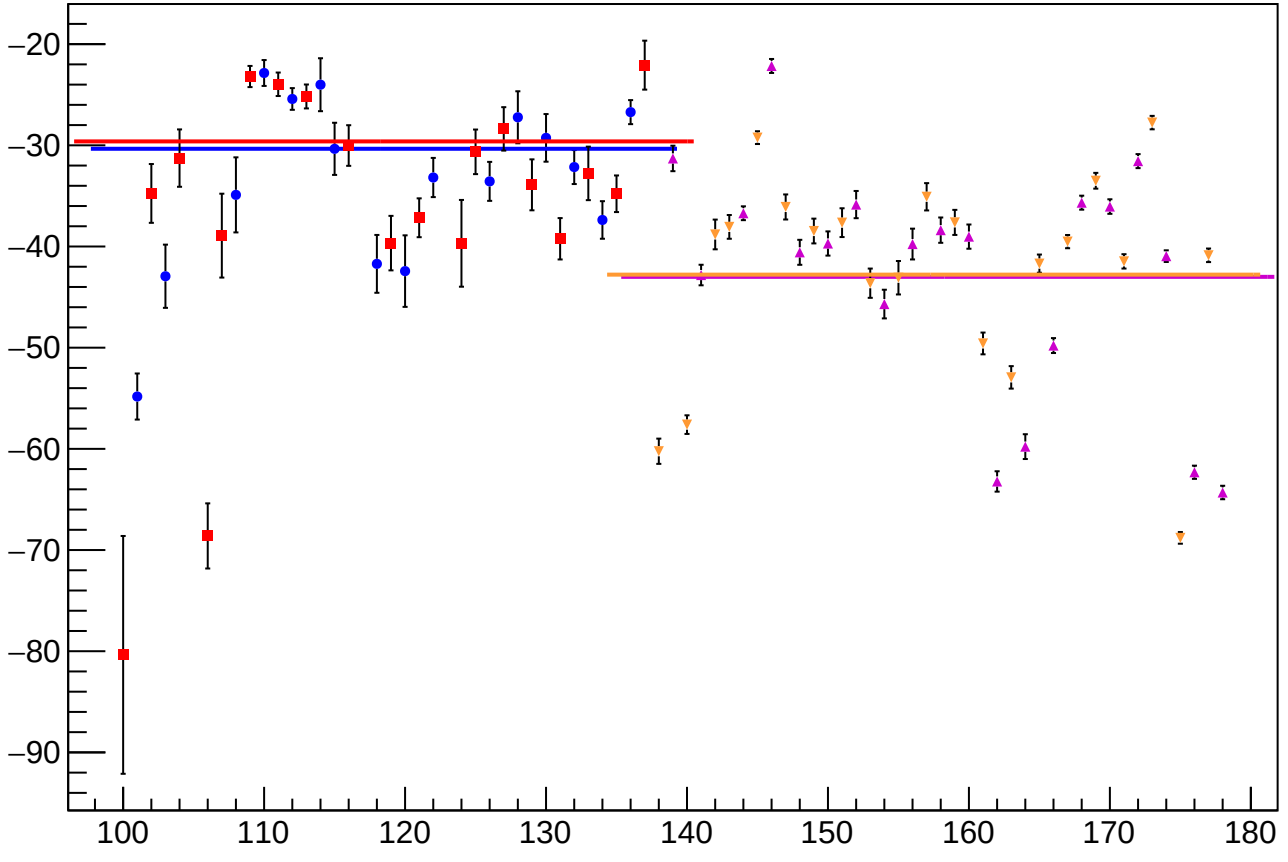
Left In: 1.599+/-0.018 χ^2/NDF:653.1/19

\+ sign 1.519+/-0.018 χ^2/NDF: 910.3/36

All: 1.511+/-0.012 χ^2/NDF: 2523.0/75

\- sign 1.504+/-0.018 χ^2/NDF: 1612.4/38

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -30.341+/-0.468 χ^2/NDF: 253.6/15

Left Out: -42.781+/-0.197 χ^2/NDF:3895.4/20

Right Out: -29.613+/-0.450 χ^2/NDF: 329.2/18

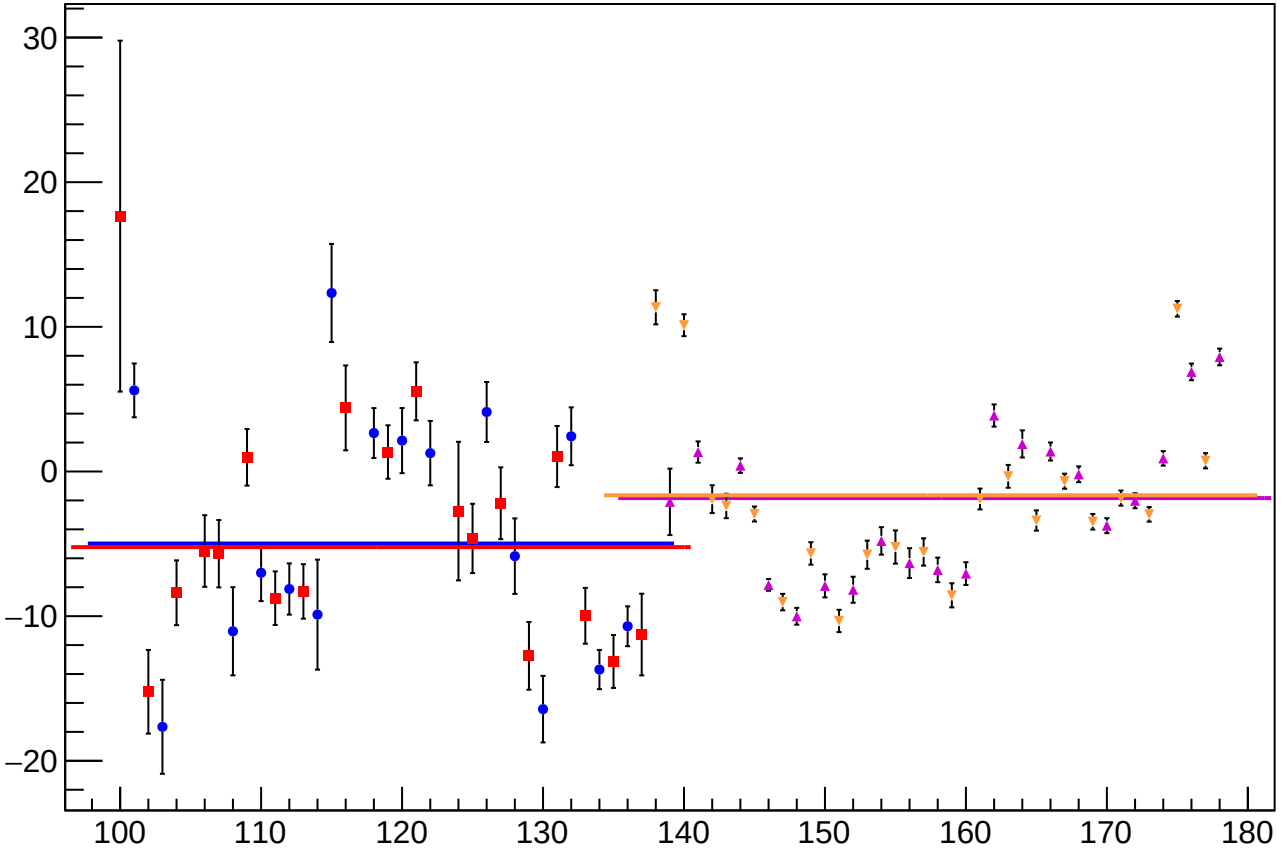
Left In: -42.999+/-0.192 χ^2/NDF:4218.6/19

+ sign -40.907+/-0.182 χ^2/NDF: 4749.5/36

All: -40.928+/-0.127 χ^2/NDF: 10045.0/75

- sign -40.947+/-0.176 χ^2/NDF: 5295.5/38

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -4.980+/-0.510 χ^2/NDF: 237.3/15

Left Out: -1.642+/-0.146 χ^2/NDF:1423.8/20

Right Out: -5.228+/-0.524 χ^2/NDF: 136.5/18

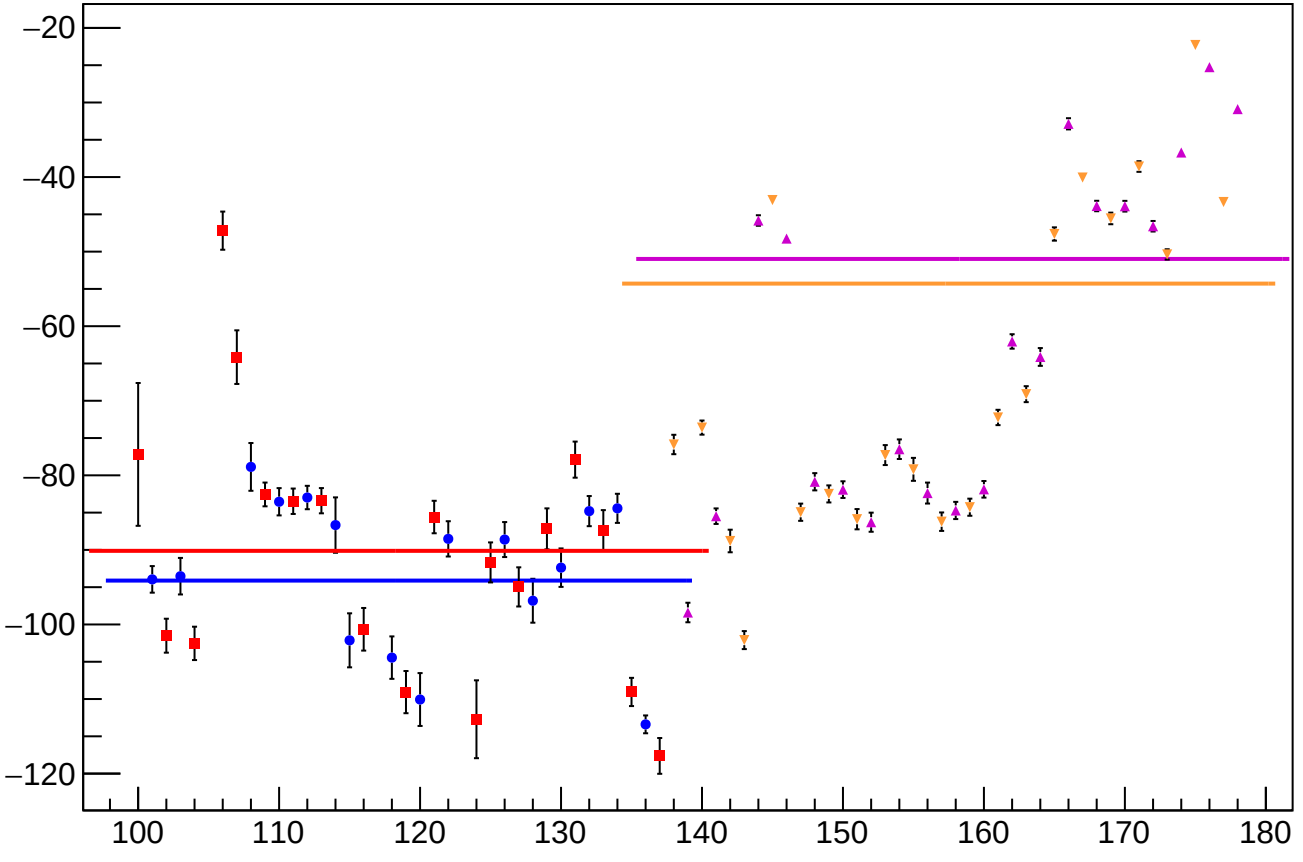
Left In: -1.838+/-0.143 χ^2/NDF:1333.2/19

+ sign -1.896+/-0.141 χ^2/NDF: 1700.8/36

All: -1.986+/-0.098 χ^2/NDF: 3210.2/75

- sign -2.073+/-0.138 χ^2/NDF: 1508.7/38

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -94.115+/-0.537 χ^2/NDF: 466.8/15

Left Out: -54.288+/-0.196 χ^2/NDF:11825.8/20

Right Out: -90.127+/-0.543 χ^2/NDF: 789.3/18

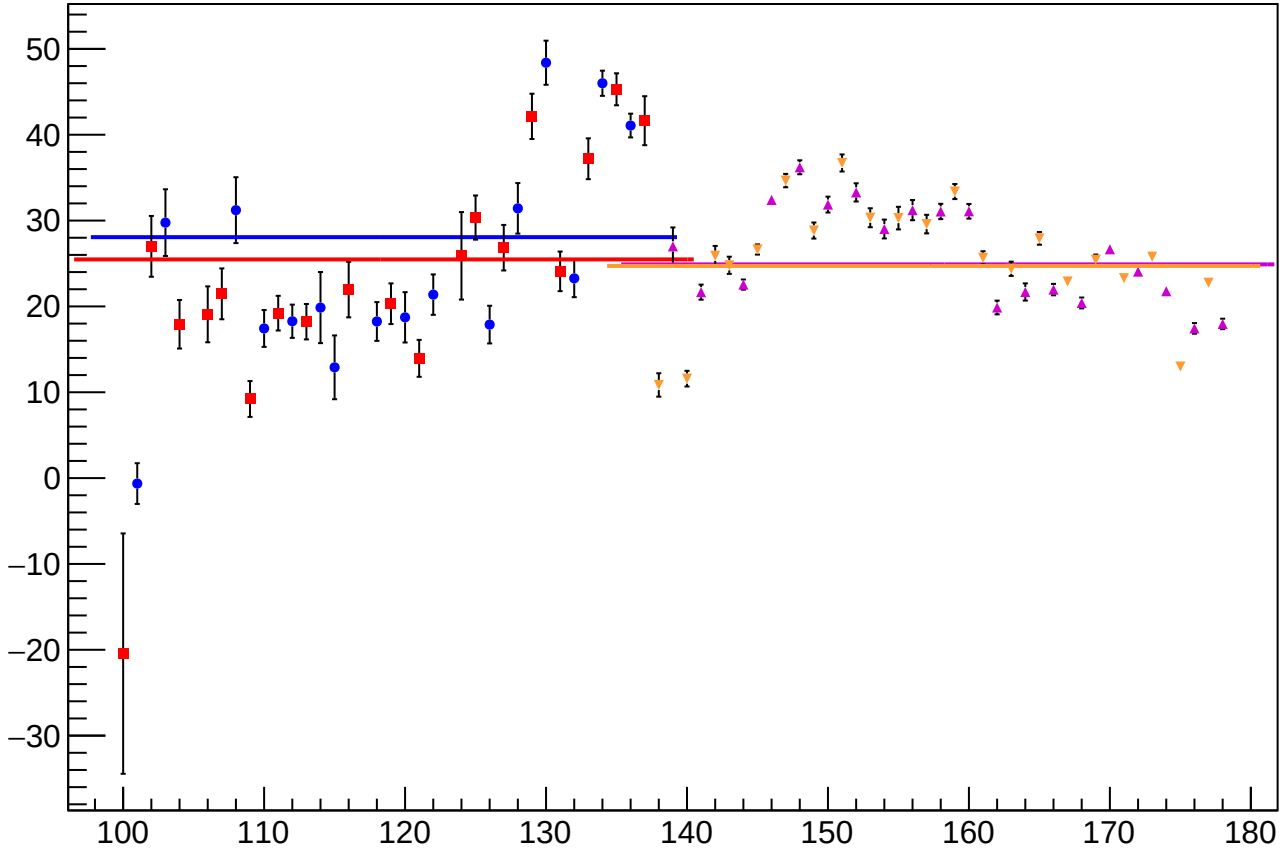
Left In: -50.981+/-0.191 χ^2/NDF:11288.5/19

+ sign -58.988+/-0.184 χ^2/NDF: 17143.6/36

All: -57.102+/-0.129 χ^2/NDF: 34050.8/75

- sign -55.299+/-0.180 χ^2/NDF: 16702.9/38

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 24.714+/-0.164 χ^2/NDF:1292.1/20

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

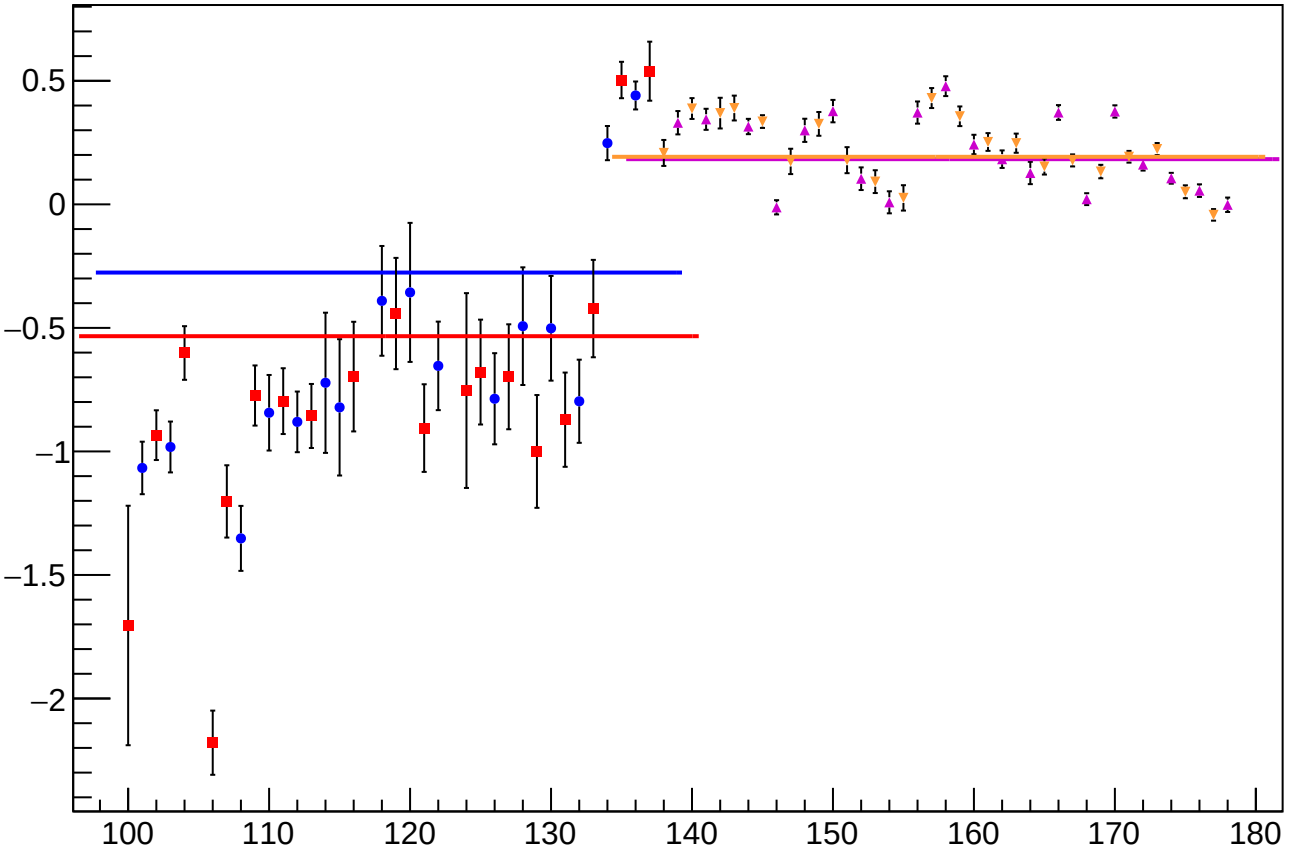
Left In: 24.897+/-0.161 χ^2/NDF:1145.5/19

+ sign 24.973+/-0.158 χ^2/NDF: 1907.3/36

All: 24.955+/-0.111 χ^2/NDF: 3408.4/75

- sign 24.937+/-0.156 χ^2/NDF: 1501.0/38

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.276+/-0.031 χ^2/NDF: 455.6/15

Left Out: 0.192+/-0.007 χ^2/NDF:292.9/20

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

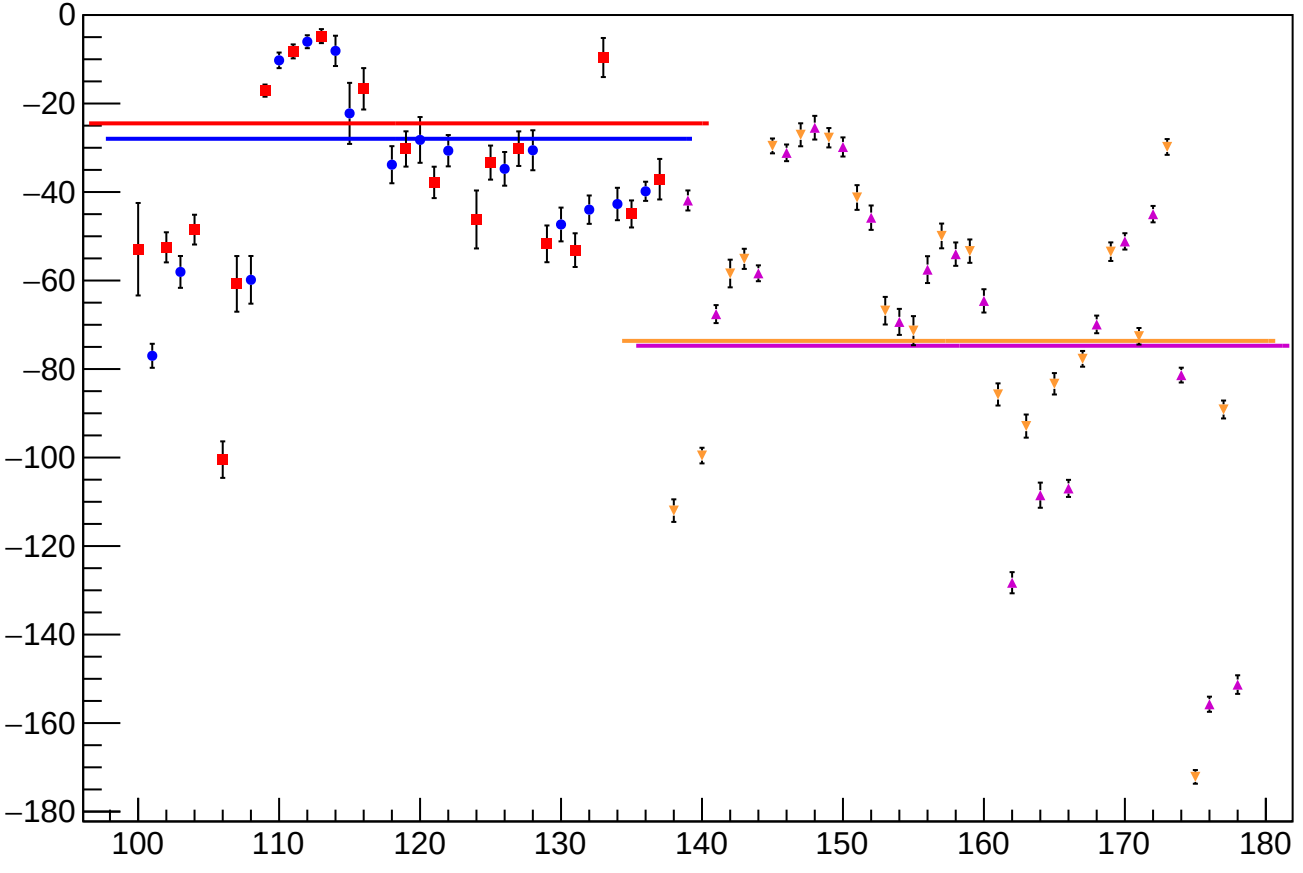
Left In: 0.183+/-0.007 χ^2/NDF:429.7/19

+ sign 0.167+/-0.007 χ^2/NDF: 969.5/36

All: 0.158+/-0.005 χ^2/NDF: 2366.2/75

- sign 0.150+/-0.007 χ^2/NDF: 1393.8/38

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -73.637+/-0.479 χ^2/NDF:7168.8/20

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

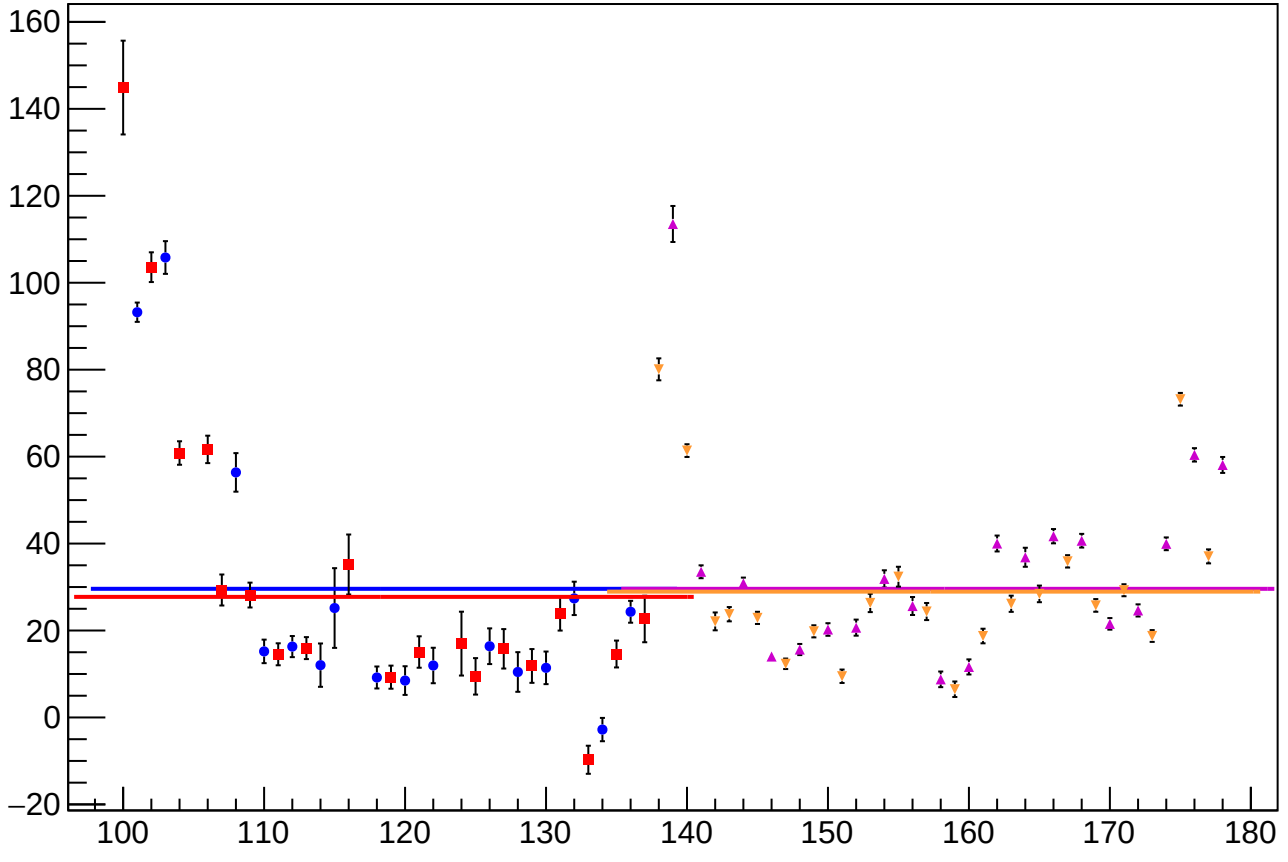
Left In: -74.737+/-0.479 χ^2/NDF:6765.4/19

+ sign -59.833+/-0.400 χ^2/NDF: 10812.4/36

All: -58.627+/-0.279 χ^2/NDF: 22359.9/75

- sign -57.490+/-0.388 χ^2/NDF: 11529.8/38

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 28.947+/-0.350 χ^2/NDF:2565.1/20

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

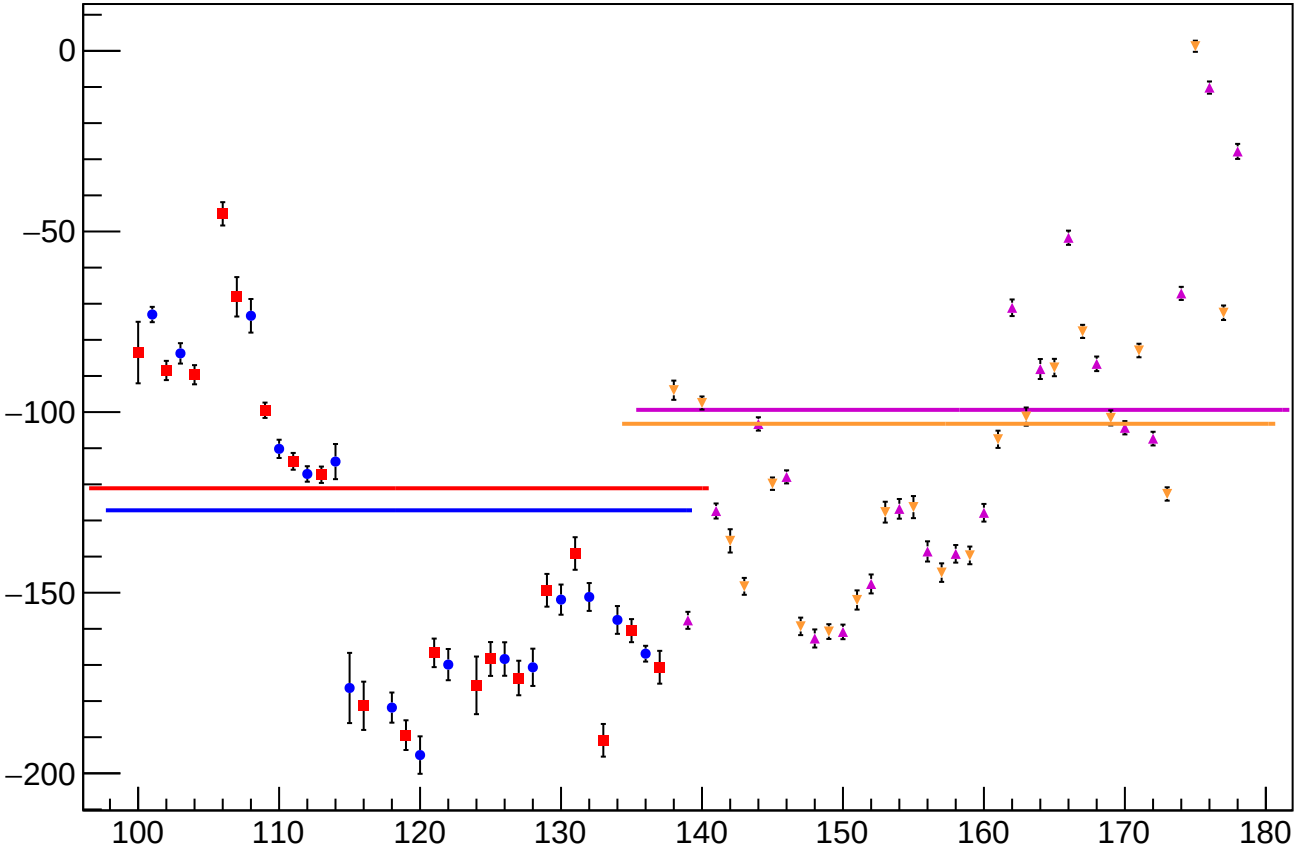
Left In: 29.589+/-0.356 χ^2/NDF:1919.4/19

\+ sign 29.050+/-0.321 χ^2/NDF: 4231.4/36

All: 29.164+/-0.229 χ^2/NDF: 7340.6/75

\- sign 29.280+/-0.325 χ^2/NDF: 3109.0/38

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -103.235+/-0.475 χ^2/NDF:8142.4/20

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

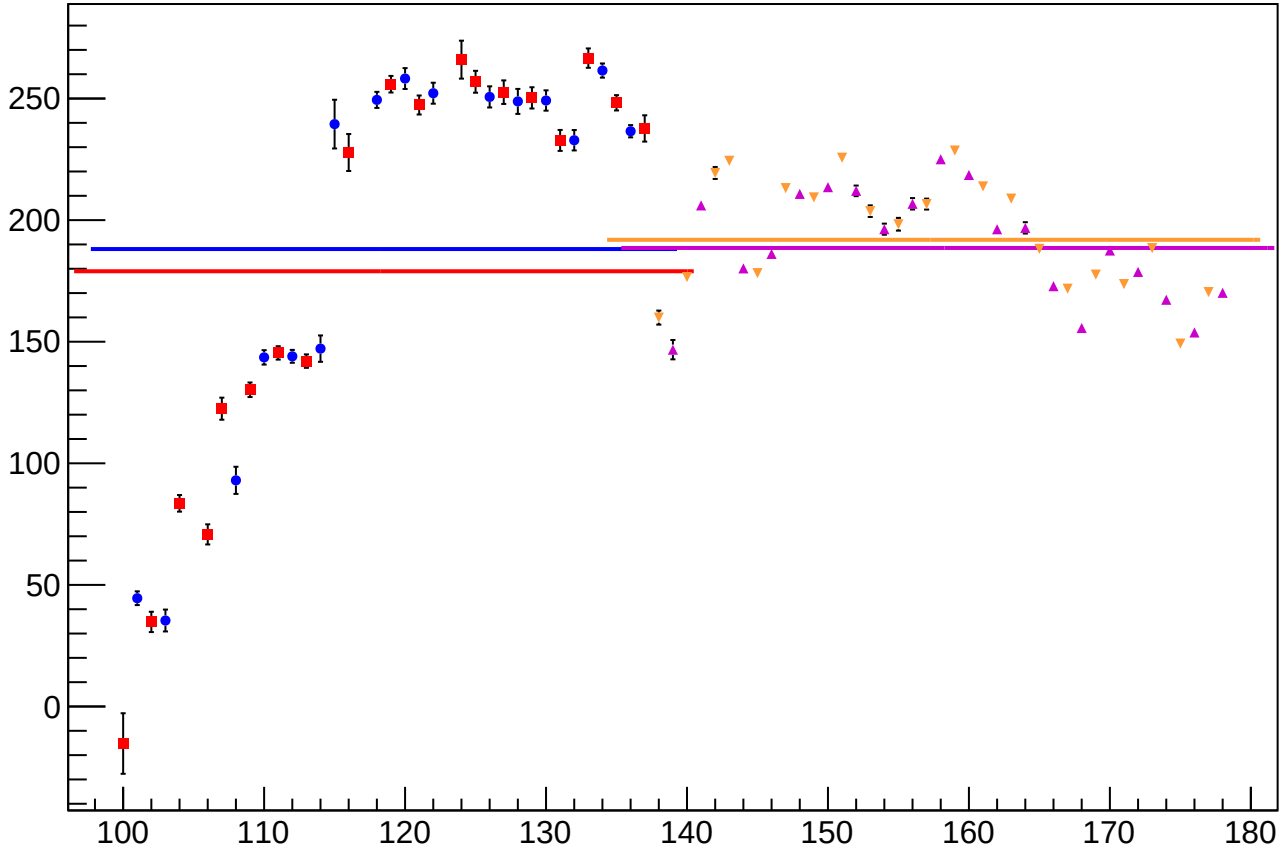
Left In: -99.378+/-0.475 χ^2/NDF:8602.5/19

+ sign -109.149+/-0.412 χ^2/NDF: 10948.8/36

All: -107.083+/-0.290 χ^2/NDF: 22545.2/75

- sign -105.058+/-0.408 χ^2/NDF: 11546.6/38

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 191.913+/-0.398 χ^2/NDF:3250.6/20

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

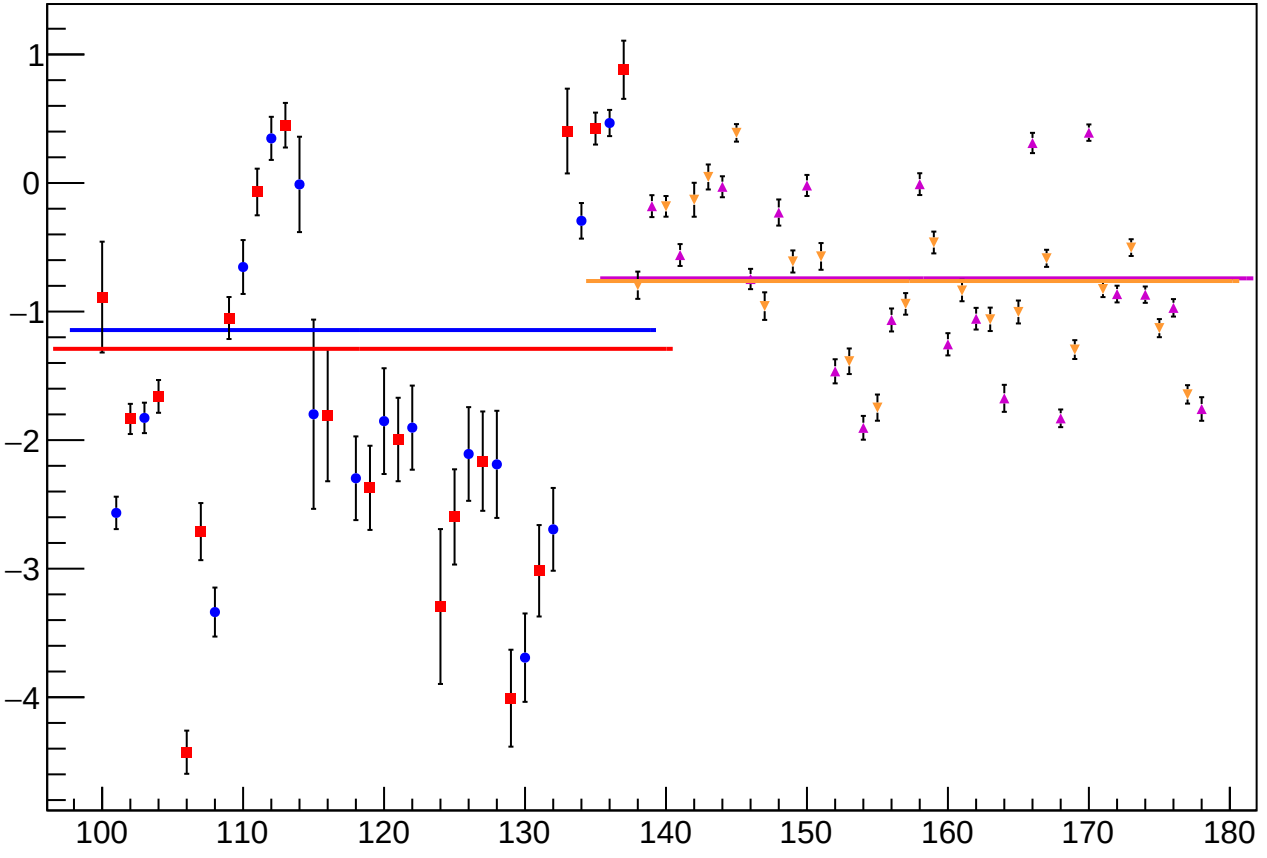
Left In: 188.549+/-0.403 χ^2/NDF:2633.4/19

+ sign 191.311+/-0.365 χ^2/NDF: 10383.7/36

All: 189.160+/-0.259 χ^2/NDF: 19848.7/75

- sign 186.974+/-0.368 χ^2/NDF: 9395.2/38

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.763+/-0.018 χ^2/NDF:864.3/20

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

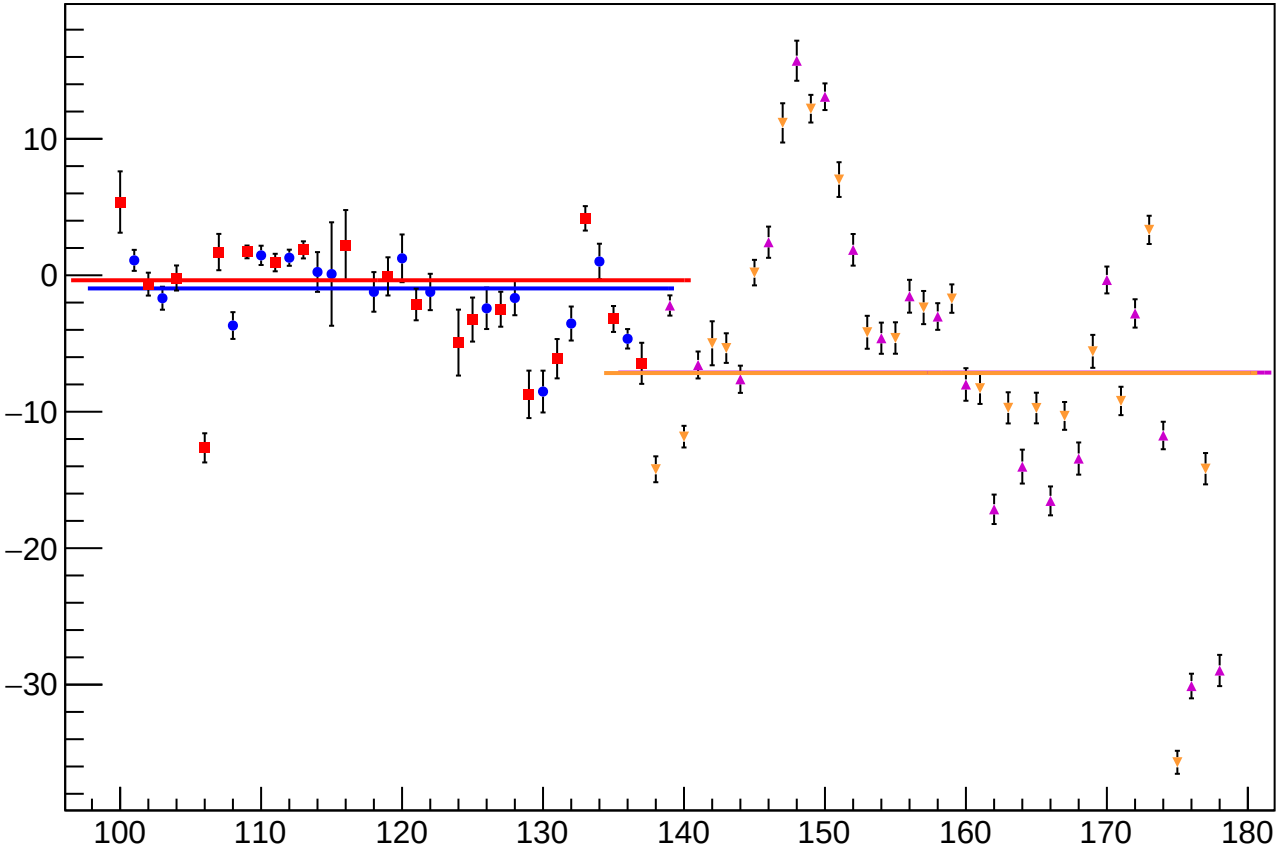
Left In: -0.742+/-0.018 χ^2/NDF:1547.2/19

+ sign -0.809+/-0.017 χ^2/NDF: 1707.1/36

All: -0.810+/-0.012 χ^2/NDF: 4369.4/75

- sign -0.810+/-0.017 χ^2/NDF: 2662.3/38

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -7.165+/-0.235 χ^2/NDF:2173.2/20

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

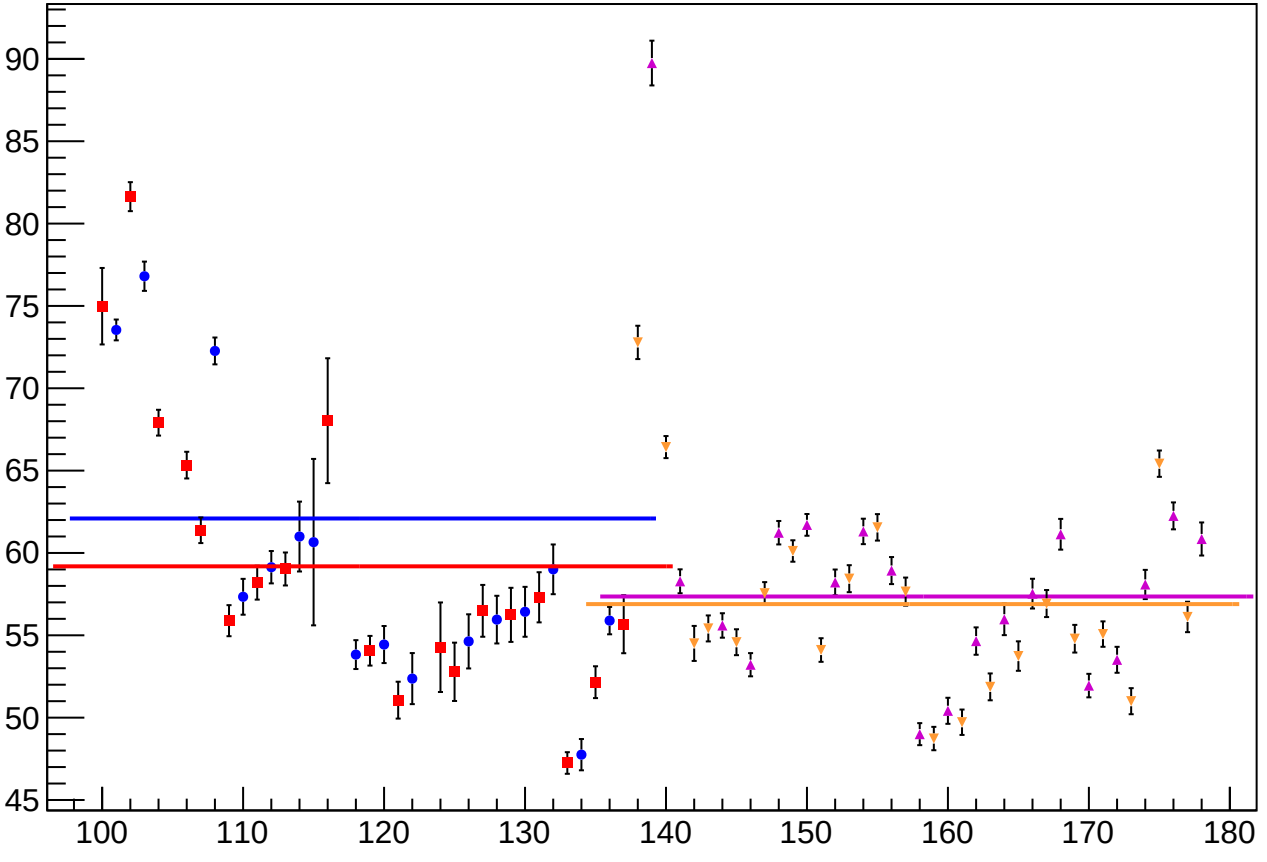
Left In: -7.132+/-0.235 χ^2/NDF:2211.2/19

+ sign -4.301+/-0.172 χ^2/NDF: 2599.2/36

All: -3.922+/-0.118 χ^2/NDF: 5535.5/75

- sign -3.585+/-0.162 χ^2/NDF: 2927.1/38

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 56.895+/-0.173 χ^2/NDF:996.2/20

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

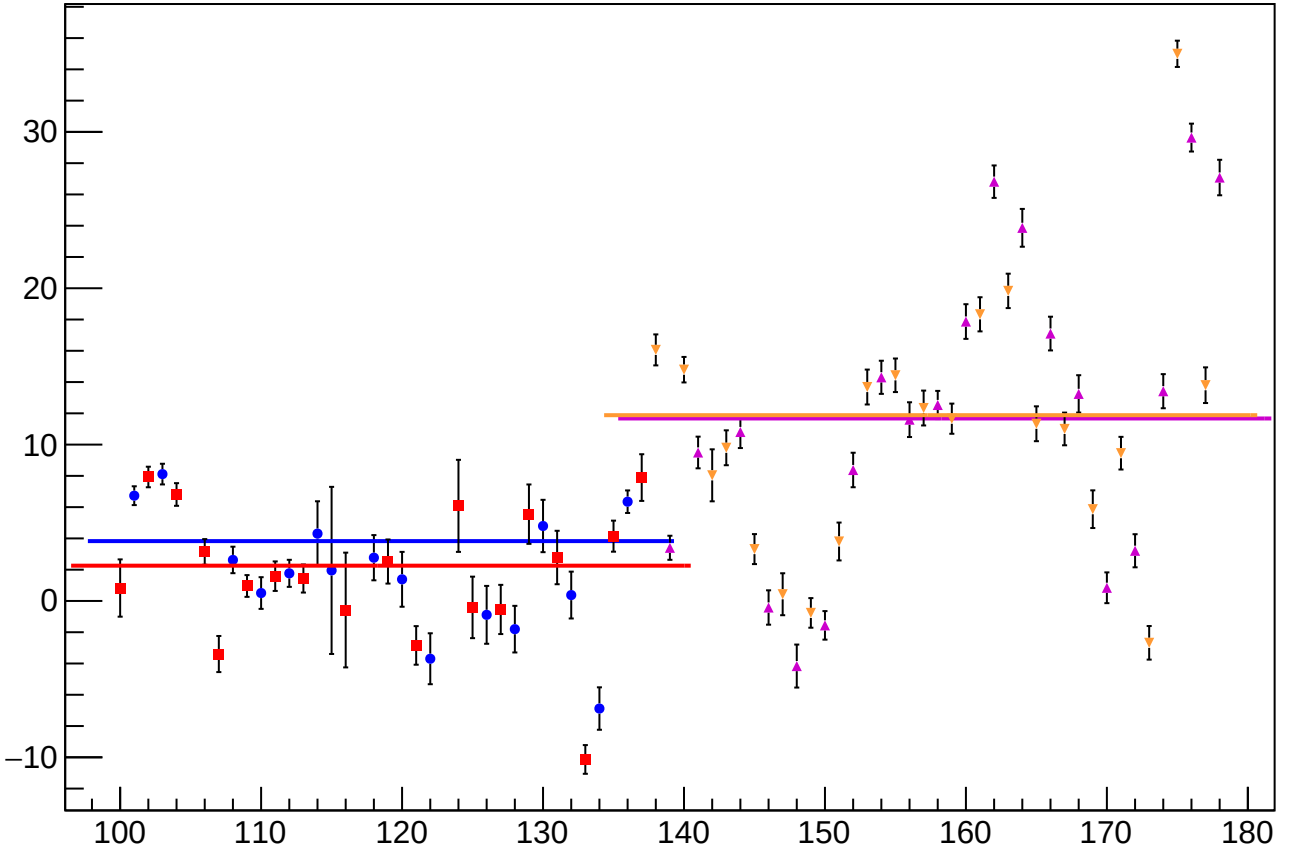
Left In: 57.356+/-0.178 χ^2/NDF:1106.0/19

+ sign 58.440+/-0.145 χ^2/NDF: 2567.1/36

All: 58.217+/-0.102 χ^2/NDF: 5116.8/75

- sign 57.995+/-0.144 χ^2/NDF: 2544.9/38

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 3.828+/-0.265 χ^2/NDF: 208.6/15

Left Out: 11.882+/-0.231 χ^2/NDF:1483.9/20

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

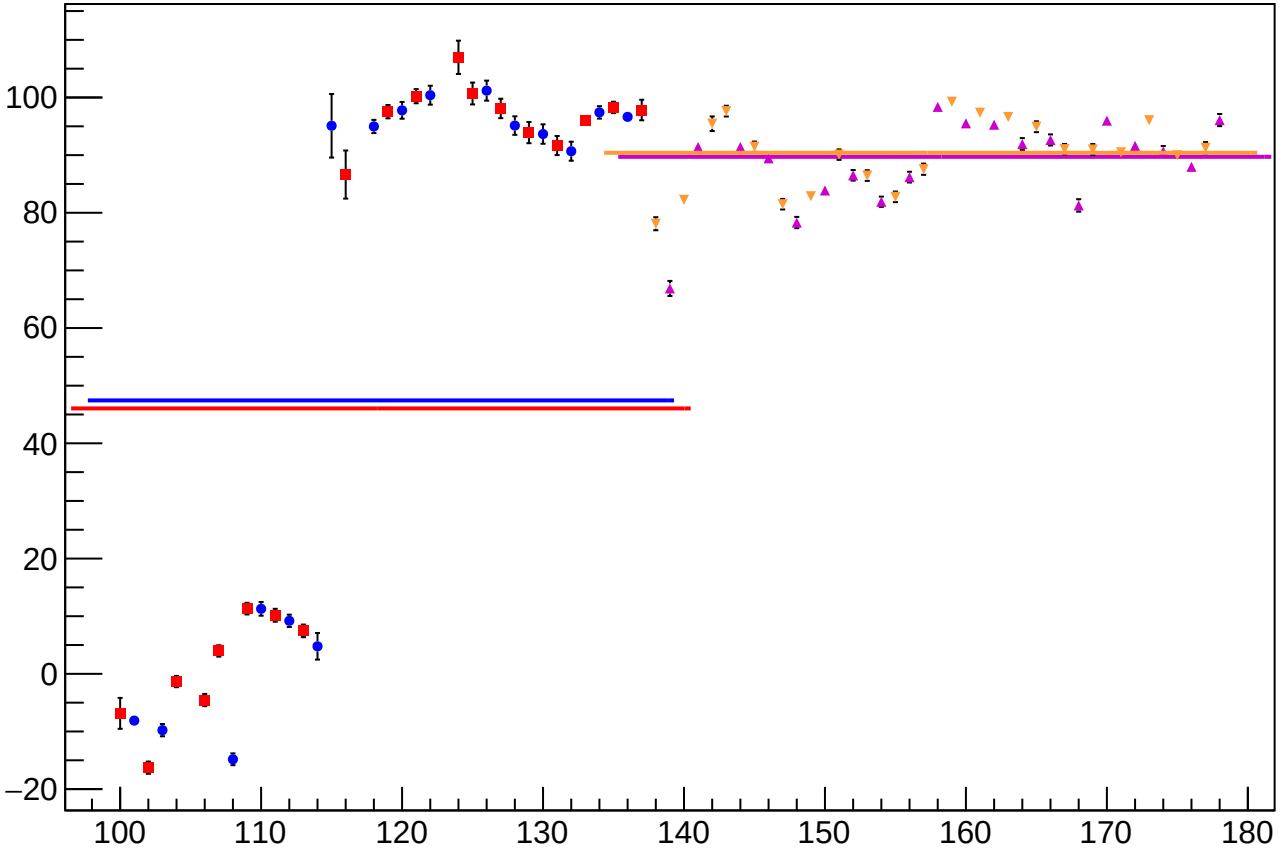
Left In: 11.671+/-0.231 χ^2/NDF:1751.3/19

\+ sign 8.405+/-0.174 χ^2/NDF: 2216.4/36

All: 7.816+/-0.121 χ^2/NDF: 5137.8/75

\- sign 7.264+/-0.169 χ^2/NDF: 2899.3/38

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 90.412+/-0.196 χ^2/NDF:918.3/20

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

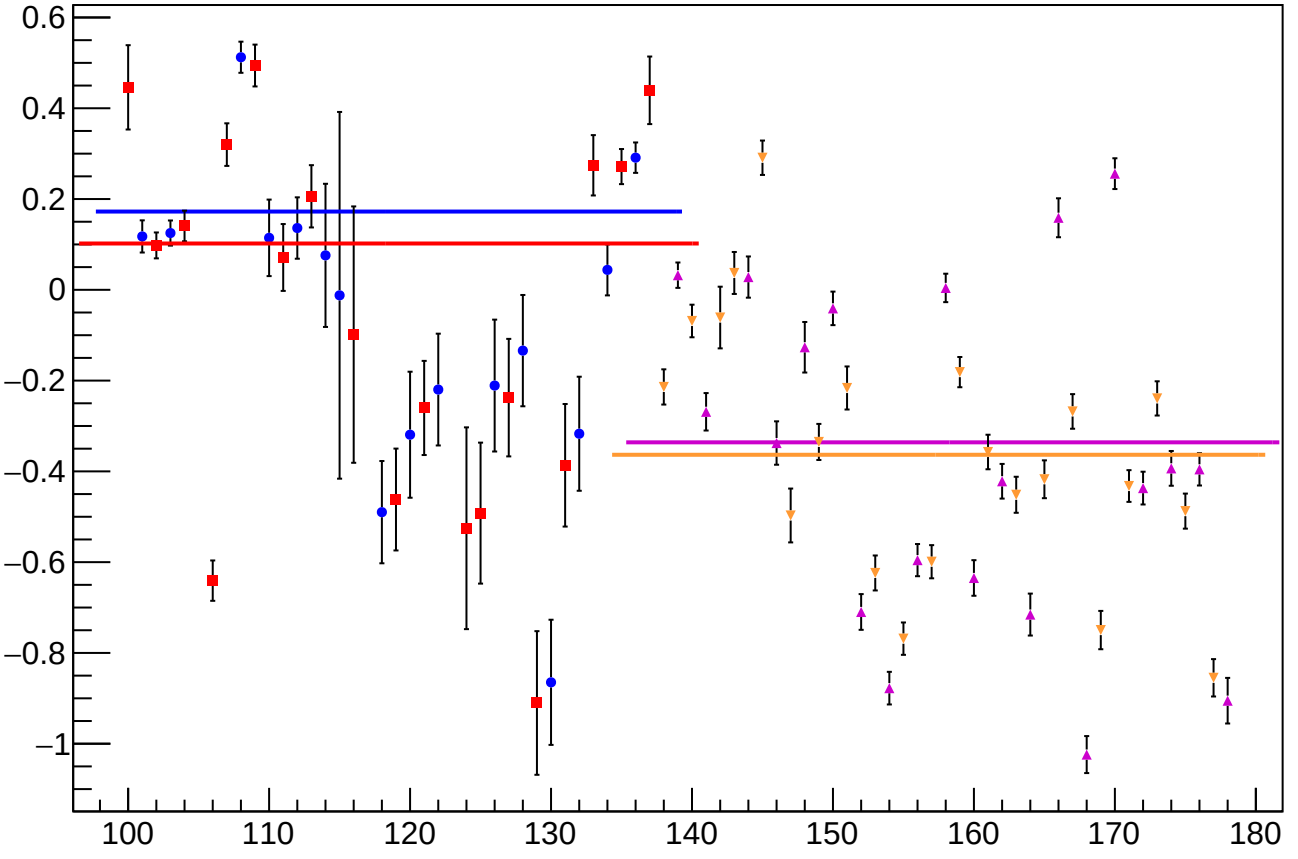
Left In: 89.704+/-0.200 χ^2/NDF:1039.3/19

+ sign 78.073+/-0.165 χ^2/NDF: 41673.8/36

All: 76.651+/-0.116 χ^2/NDF: 87513.3/75

- sign 75.254+/-0.164 χ^2/NDF: 45692.4/38

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.363+/-0.009 χ^2/NDF:1001.2/20

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

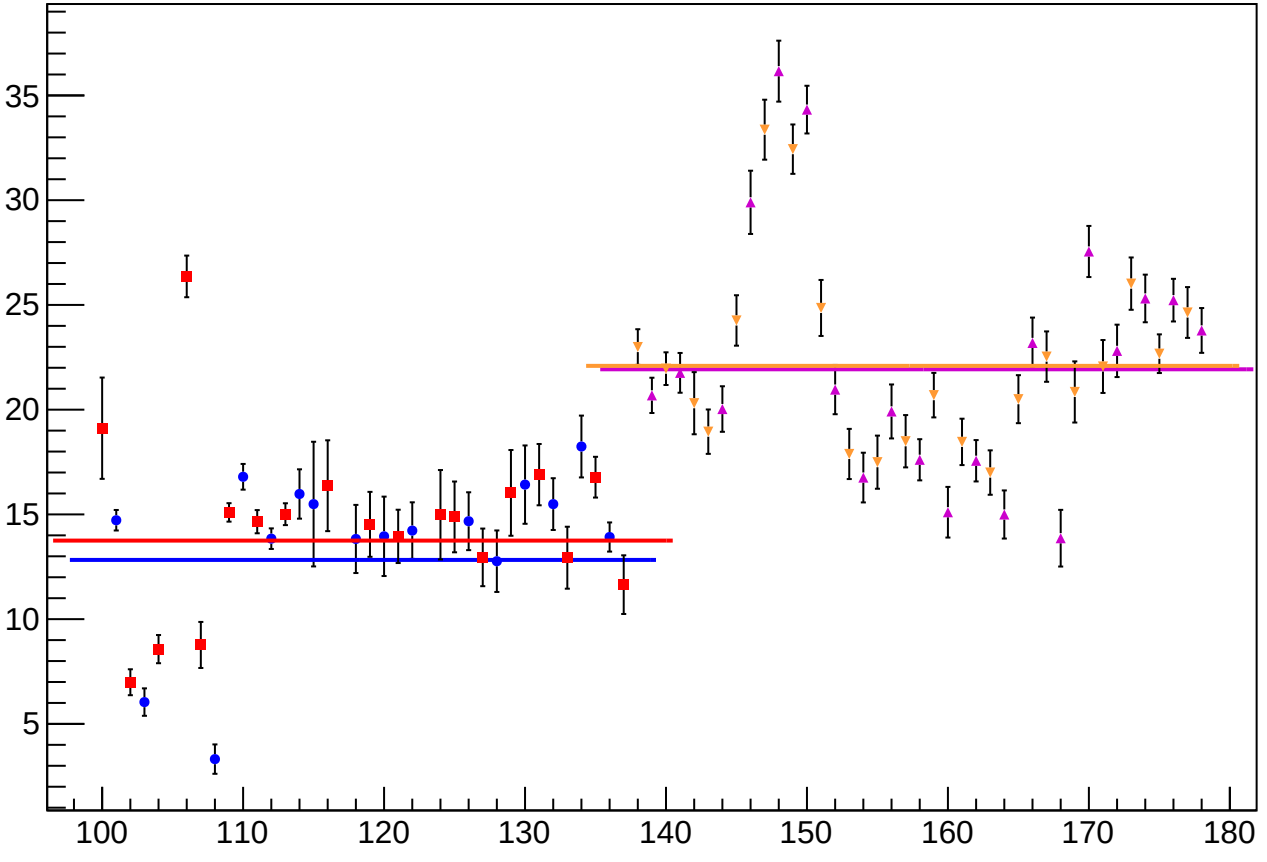
Left In: -0.336+/-0.009 χ^2/NDF:1801.7/19

+ sign -0.217+/-0.007 χ^2/NDF: 2307.2/36

All: -0.213+/-0.005 χ^2/NDF: 5421.2/75

- sign -0.209+/-0.007 χ^2/NDF: 3113.5/38

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 22.091+/-0.247 χ^2/NDF:244.8/20

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

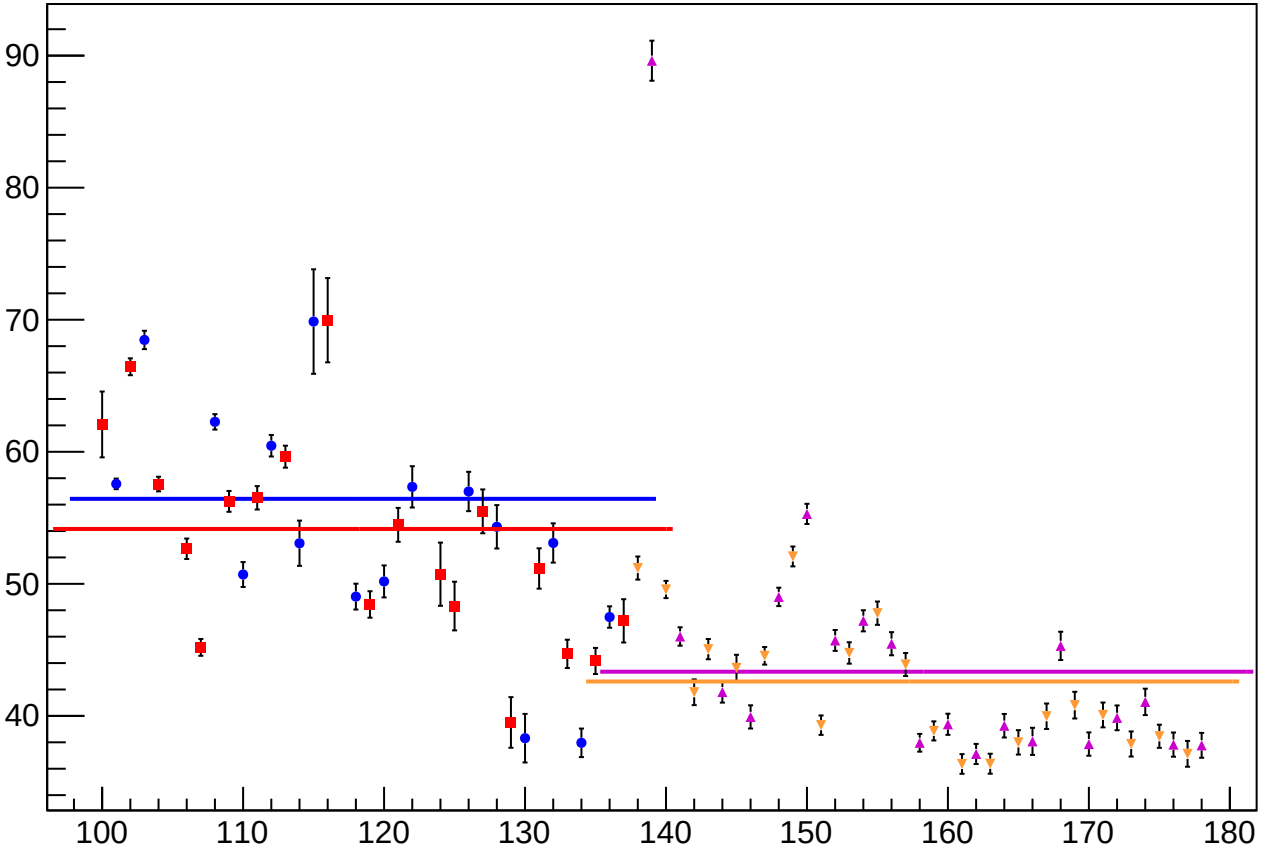
Left In: 21.927+/-0.252 χ^2/NDF:457.3/19

+ sign 16.805+/-0.162 χ^2/NDF: 1437.1/36

All: 16.899+/-0.113 χ^2/NDF: 2934.7/75

- sign 16.989+/-0.159 χ^2/NDF: 1496.9/38

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 42.605+/-0.181 χ^2/NDF:739.5/20

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

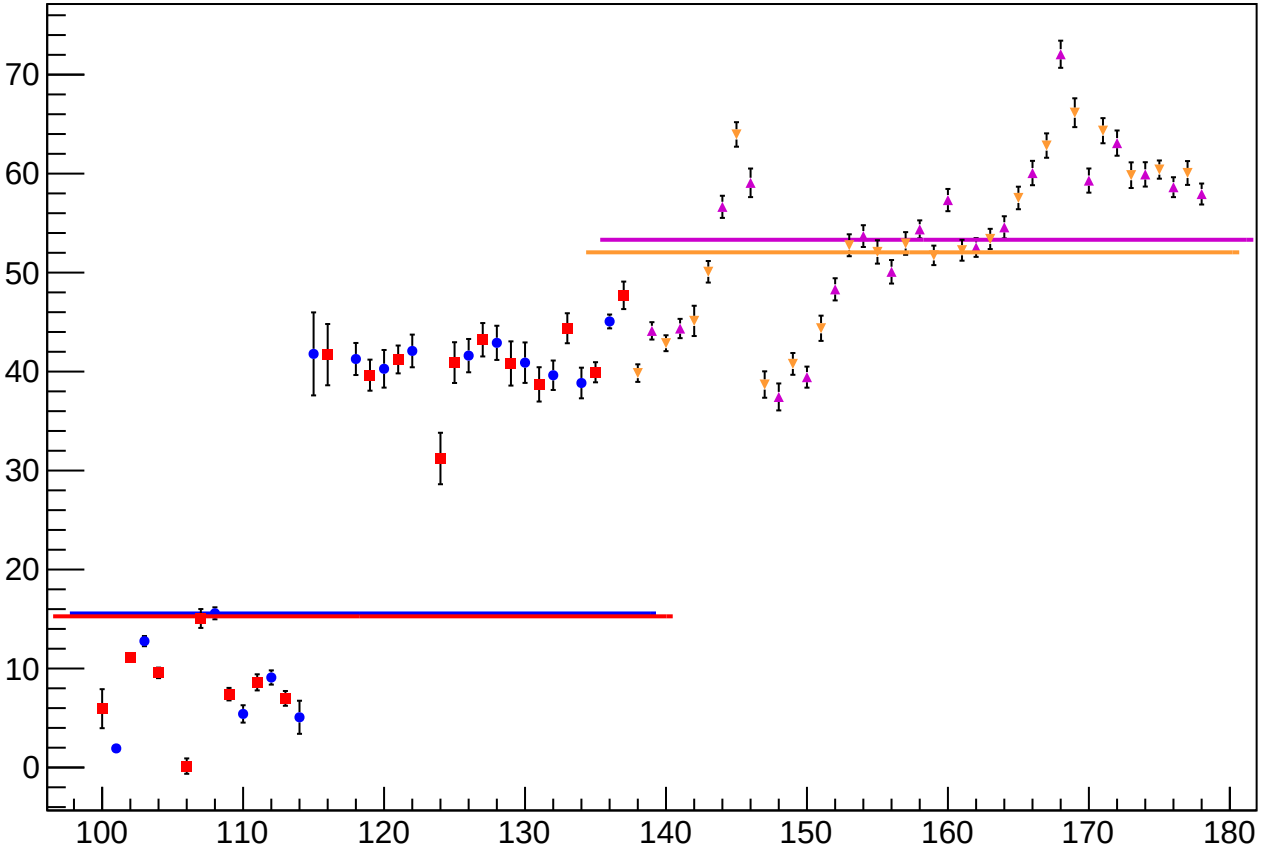
Left In: 43.347+/-0.189 χ^2/NDF:1647.1/19

+ sign 48.118+/-0.140 χ^2/NDF: 4166.8/36

All: 47.983+/-0.101 χ^2/NDF: 8176.8/75

- sign 47.839+/-0.145 χ^2/NDF: 4008.1/38

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 52.048+/-0.243 χ^2/NDF:1130.6/20

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

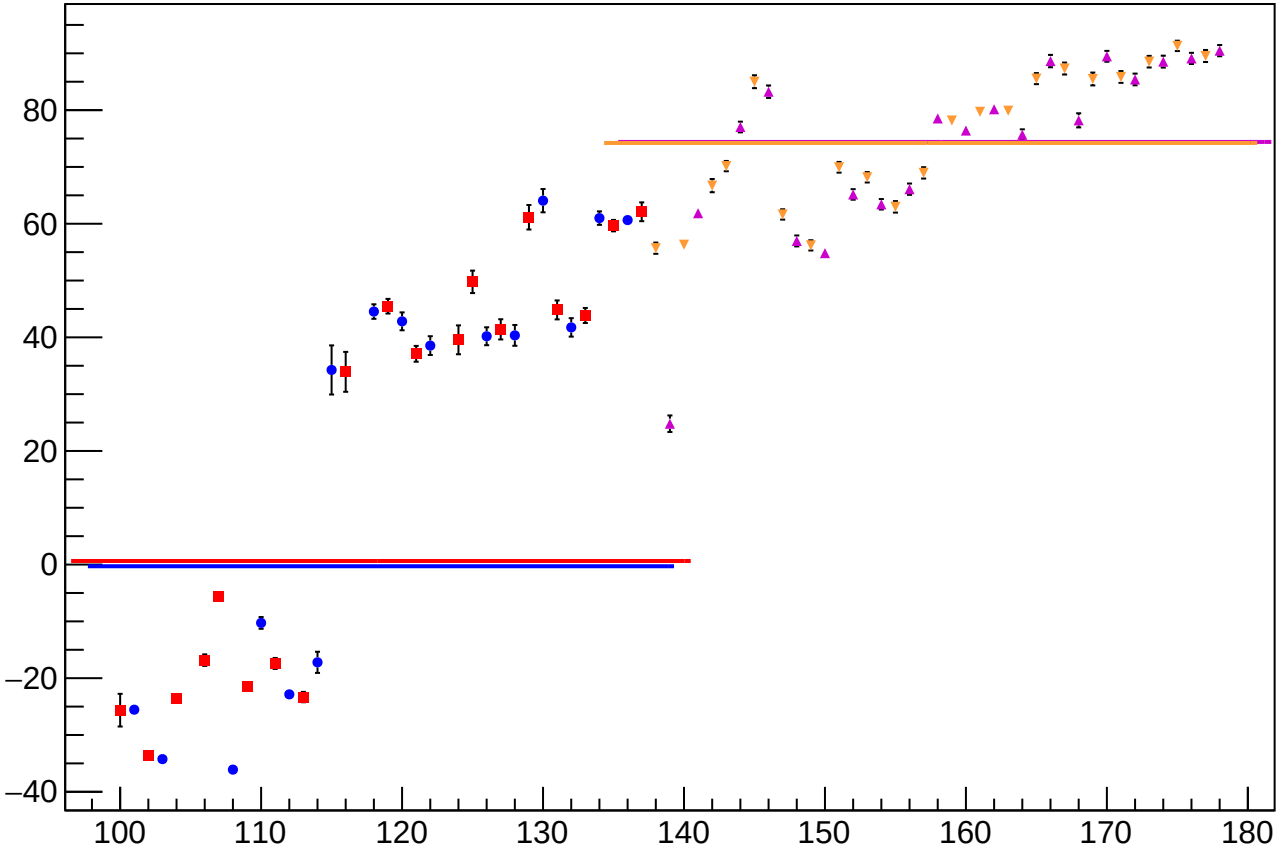
Left In: 53.316+/-0.248 χ^2/NDF:944.4/19

+ sign 31.488+/-0.161 χ^2/NDF: 18997.4/36

All: 31.733+/-0.115 χ^2/NDF: 37063.0/75

- sign 31.988+/-0.164 χ^2/NDF: 18060.9/38

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 74.220+/-0.205 χ^2/NDF:3223.9/20

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

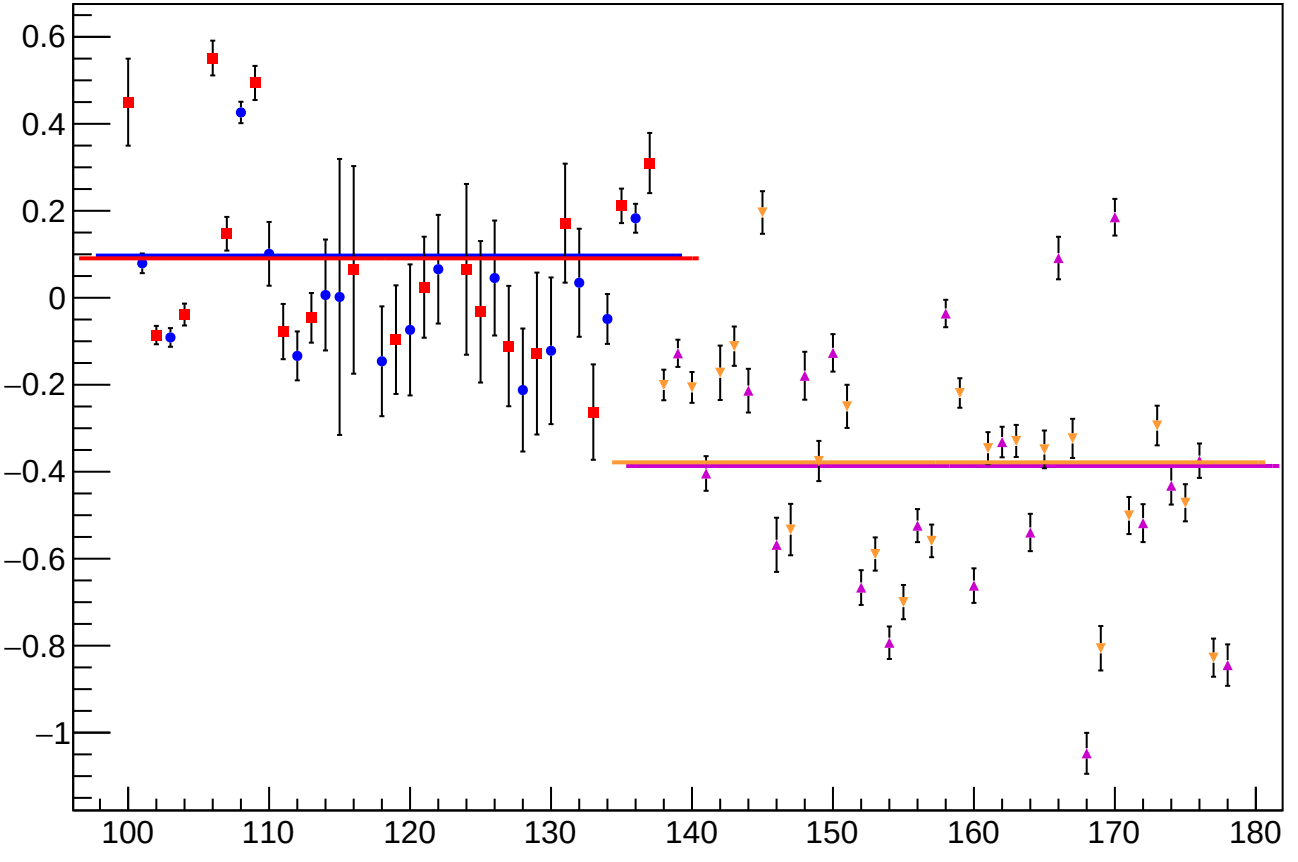
Left In: 74.401+/-0.213 χ^2/NDF:3898.6/19

+ sign 45.801+/-0.161 χ^2/NDF: 74525.7/36

All: 45.573+/-0.116 χ^2/NDF: 141909.7/75

- sign 45.334+/-0.165 χ^2/NDF: 67379.9/38

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.378+/-0.009 χ^2/NDF:584.1/20

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

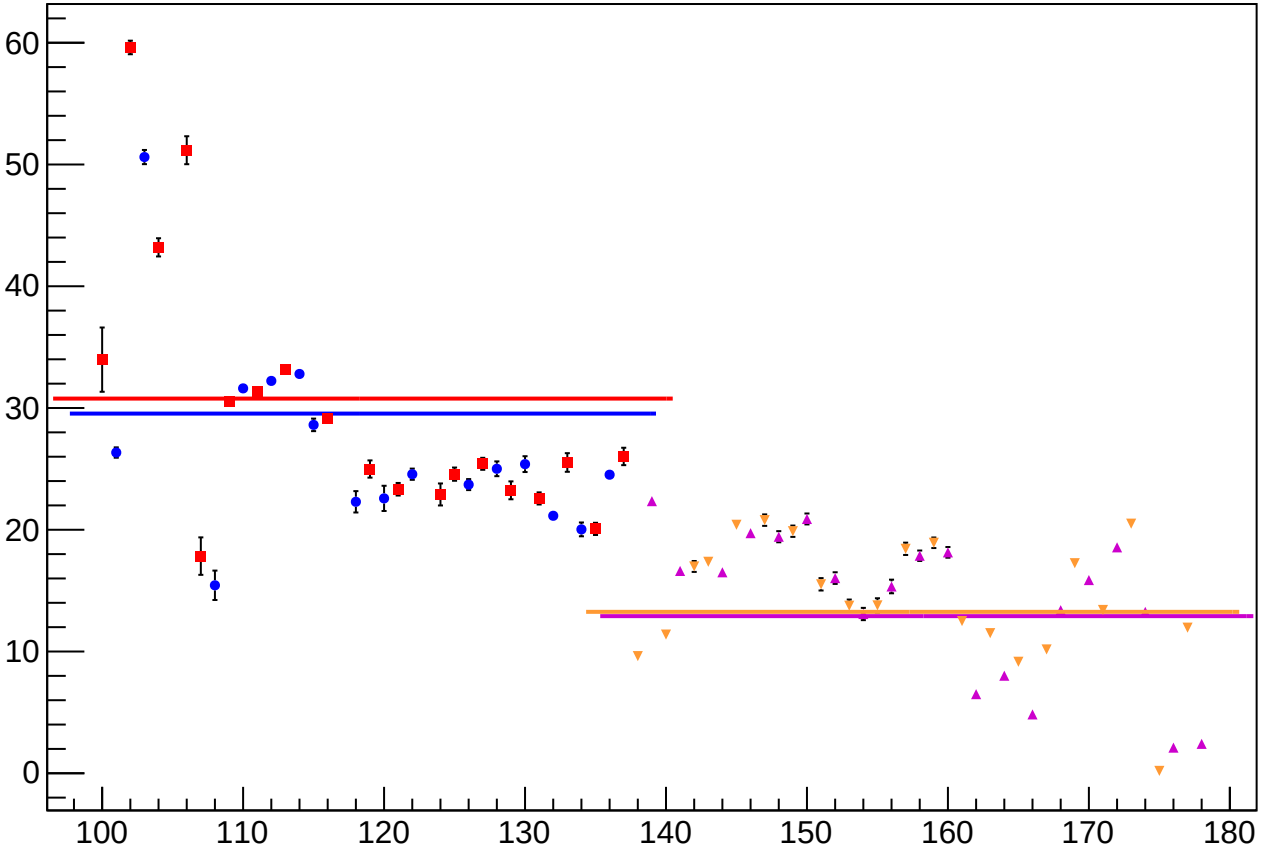
Left In: -0.387+/-0.009 χ^2/NDF:1086.0/19

\+ sign -0.187+/-0.007 χ^2/NDF: 1957.0/36

All: -0.193+/-0.005 χ^2/NDF: 4504.9/75

\- sign -0.198+/-0.007 χ^2/NDF: 2546.8/38

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 13.259+/-0.077 χ^2/NDF:5809.7/20

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

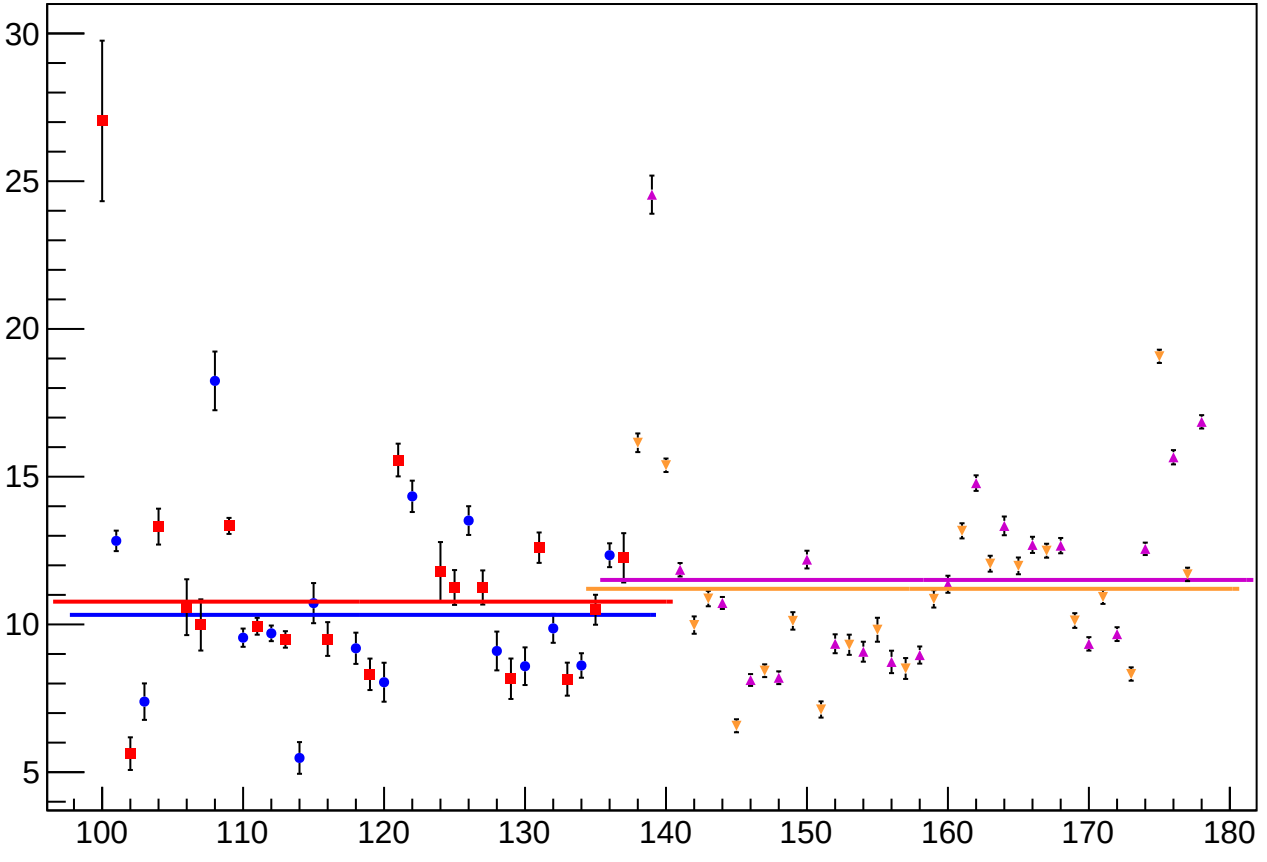
Left In: 12.905+/-0.077 χ^2/NDF:6989.7/19

+ sign 19.966+/-0.059 χ^2/NDF: 27622.3/36

All: 20.747+/-0.040 χ^2/NDF: 65996.7/75

- sign 21.435+/-0.055 χ^2/NDF: 38044.8/38

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.324+/-0.114 χ^2/NDF: 402.6/15

Left Out: 11.205+/-0.057 χ^2/NDF:3062.1/20

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

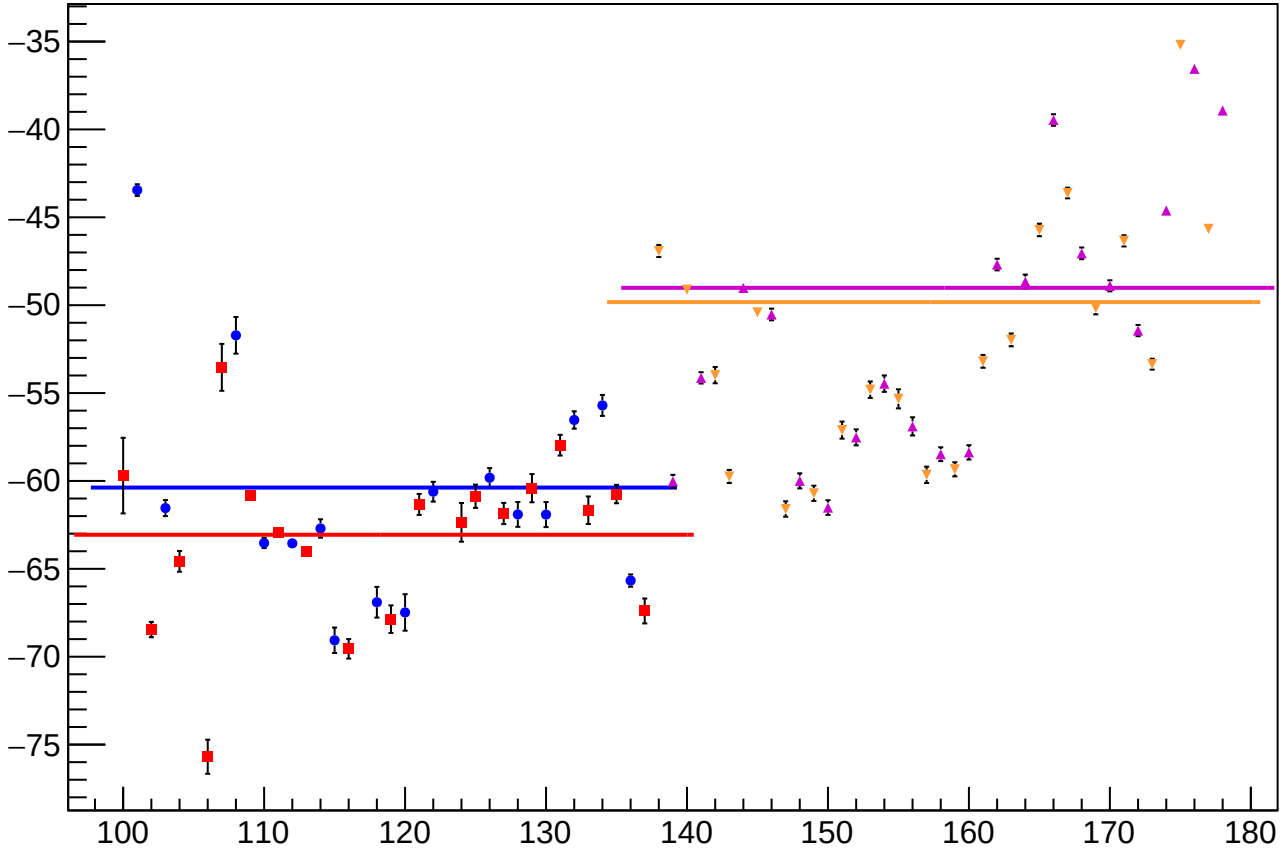
Left In: 11.506+/-0.058 χ^2/NDF:2435.2/19

+ sign 11.029+/-0.051 χ^2/NDF: 3512.7/36

All: 11.191+/-0.036 χ^2/NDF: 6417.6/75

- sign 11.355+/-0.051 χ^2/NDF: 2884.7/38

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -60.377+/-0.113 χ^2/NDF: 3597.6/15

Left Out: -49.824+/-0.077 χ^2/NDF:8546.4/20

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

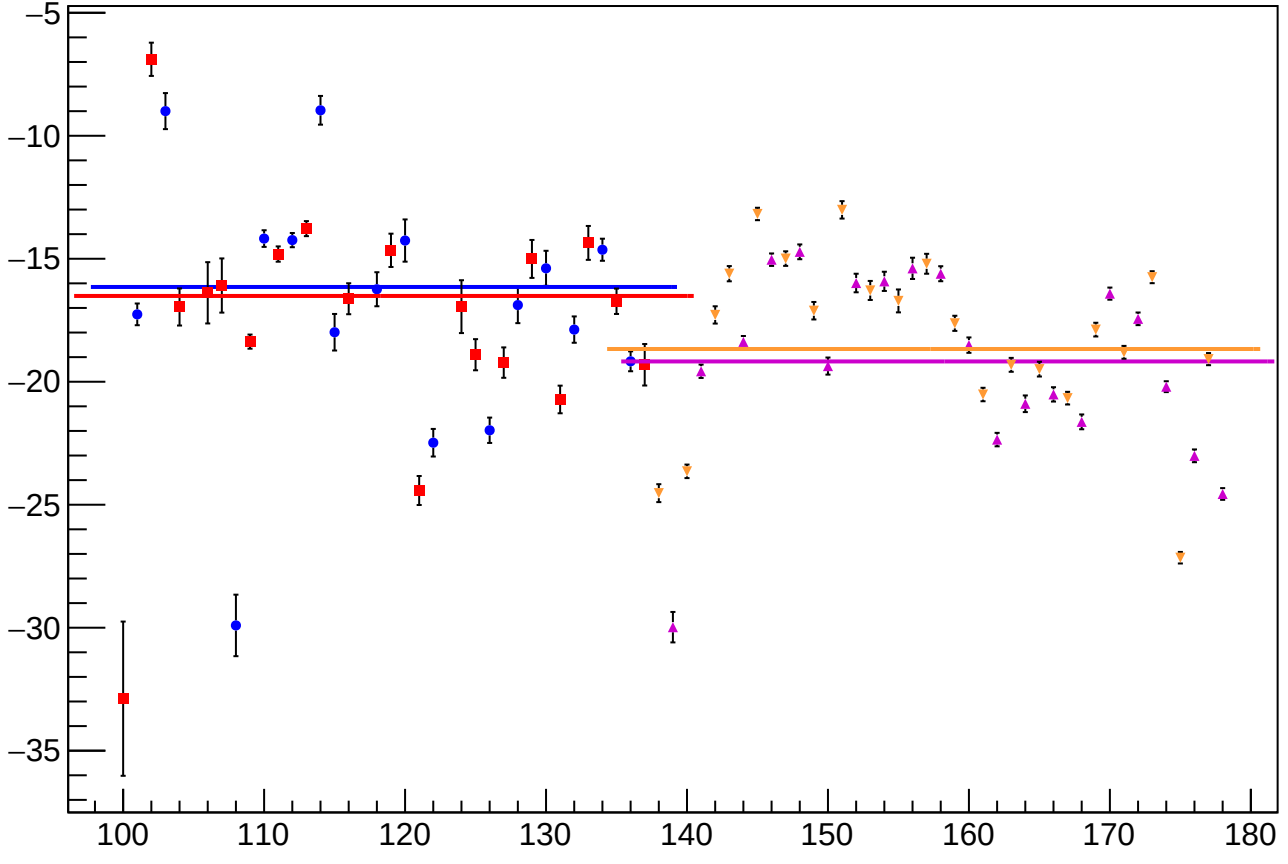
Left In: -49.013+/-0.076 χ^2/NDF:9432.8/19

+ sign -53.149+/-0.063 χ^2/NDF: 18118.1/36

All: -53.444+/-0.044 χ^2/NDF: 39837.5/75

- sign -53.727+/-0.062 χ^2/NDF: 21677.0/38

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -18.669+/-0.064 χ^2/NDF:3318.8/20

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

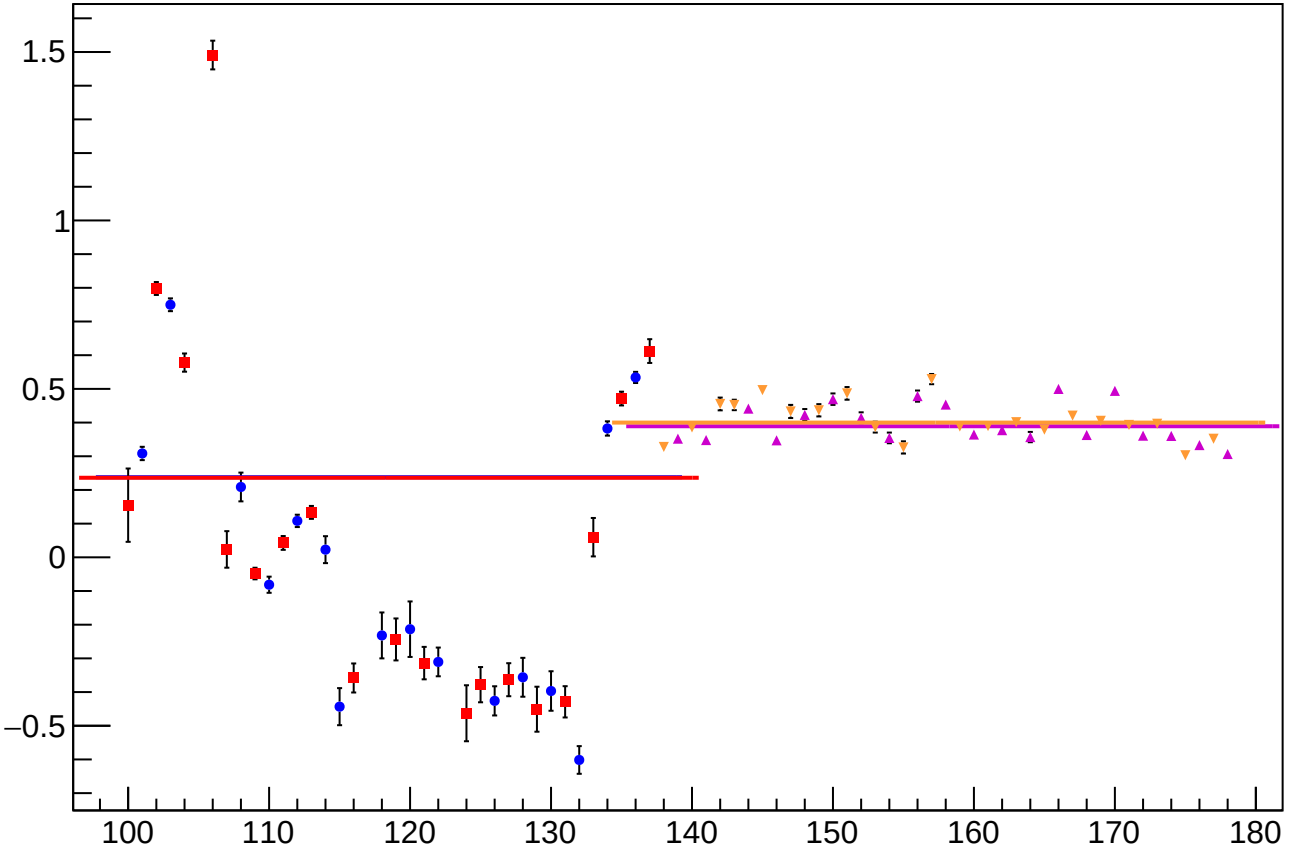
Left In: -19.175+/-0.065 χ^2/NDF:2333.5/19

+ sign -18.154+/-0.057 χ^2/NDF: 4428.8/36

All: -18.380+/-0.041 χ^2/NDF: 7837.3/75

- sign -18.608+/-0.058 χ^2/NDF: 3377.4/38

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.400+/-0.003 χ^2/NDF:350.5/20

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

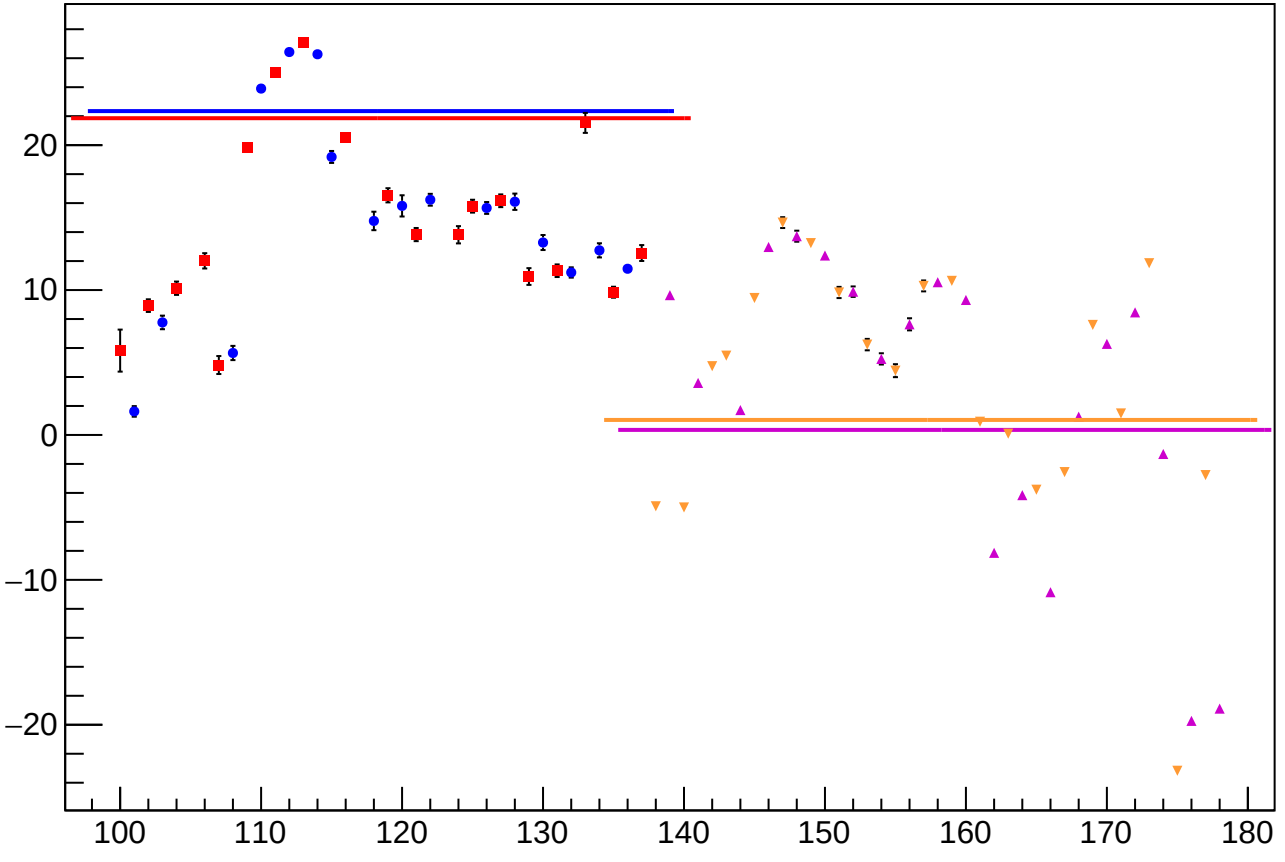
Left In: 0.389+/-0.003 χ^2/NDF:400.0/19

+ sign 0.376+/-0.003 χ^2/NDF: 3434.4/36

All: 0.372+/-0.002 χ^2/NDF: 7834.1/75

- sign 0.367+/-0.003 χ^2/NDF: 4394.0/38

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: 1.037+/-0.063 χ^2/NDF:23843.6/20

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

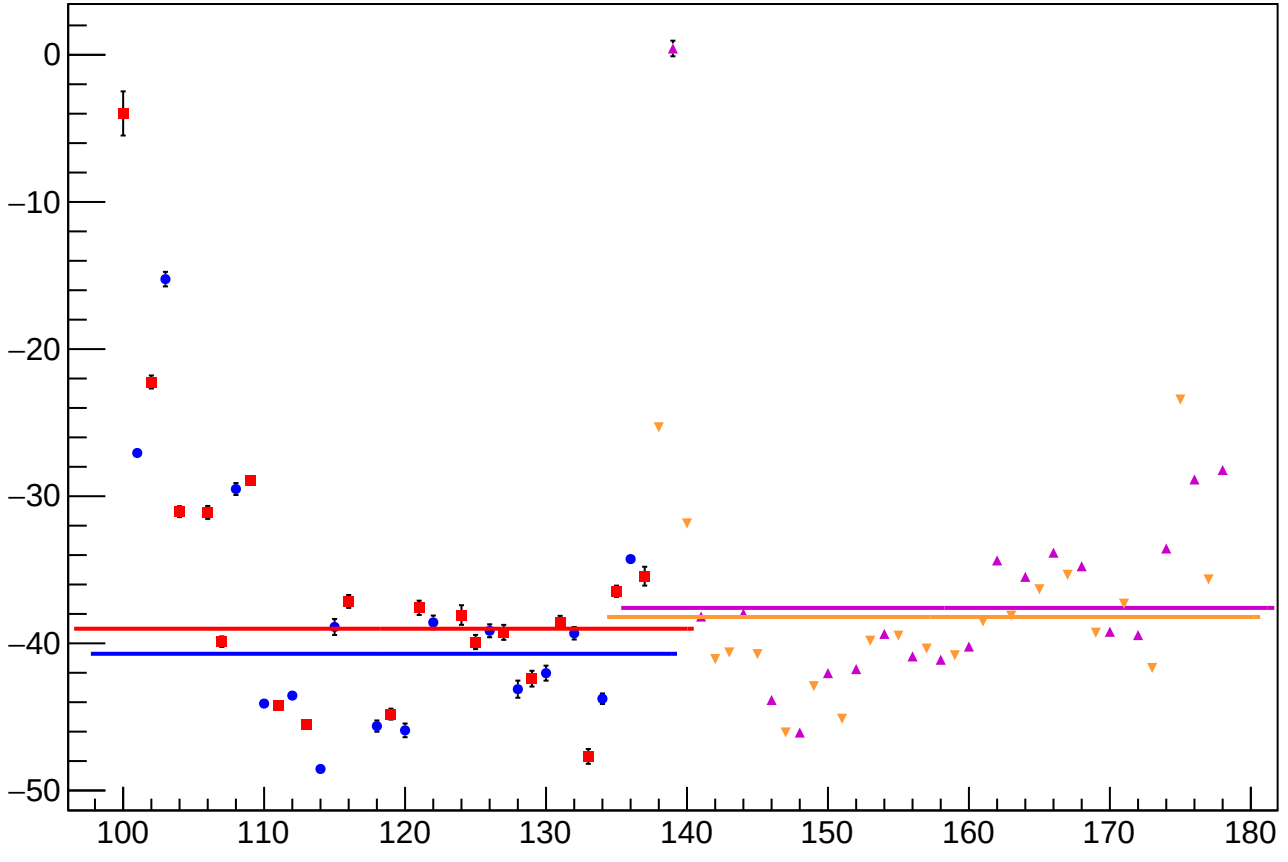
Left In: 0.349+/-0.064 χ^2/NDF:25721.0/19

+ sign 12.793+/-0.042 χ^2/NDF: 99862.5/36

All: 13.721+/-0.028 χ^2/NDF: 211439.9/75

- sign 14.460+/-0.037 χ^2/NDF: 110701.7/38

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -40.709+/-0.076 χ^2/NDF: 7780.4/15

Left Out: -38.207+/-0.046 χ^2/NDF:14446.5/20

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

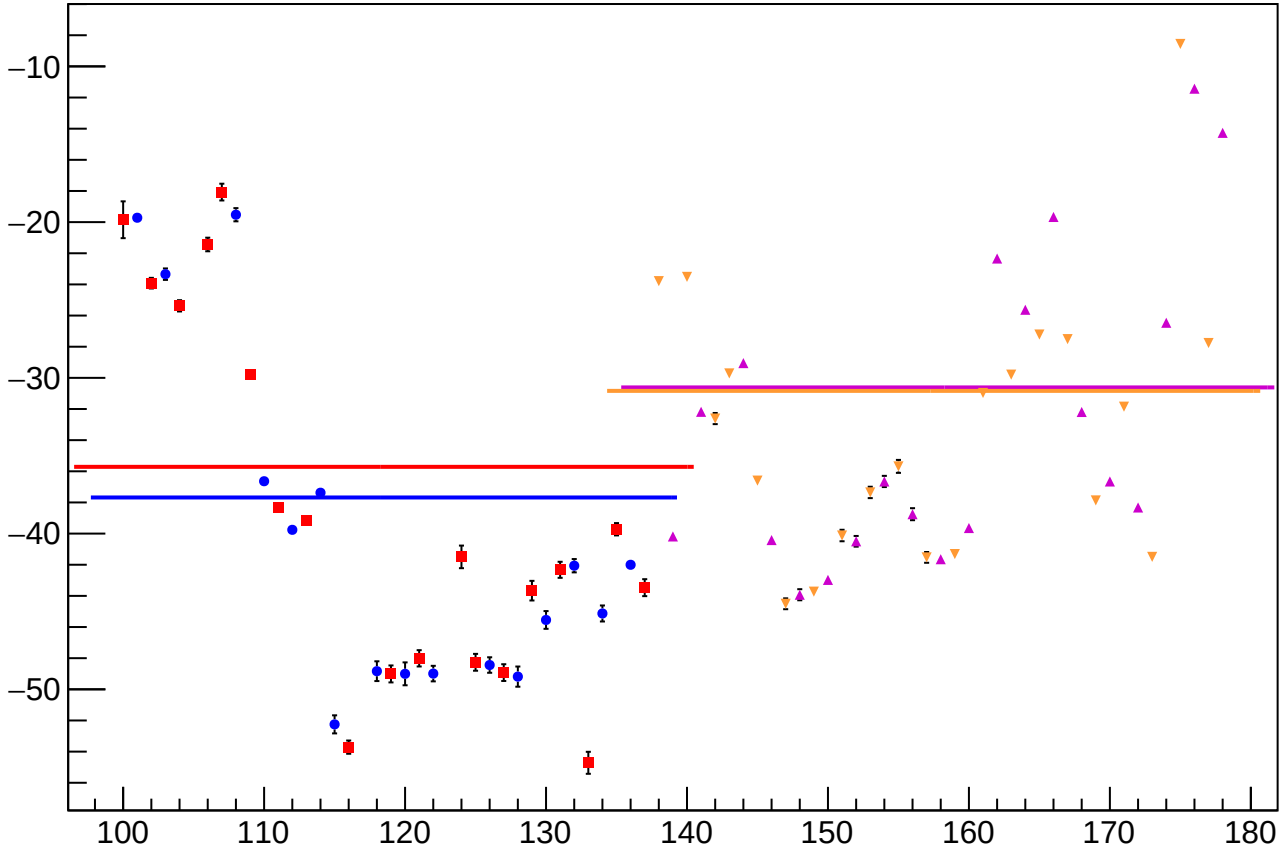
Left In: -37.590+/-0.048 χ^2/NDF:14746.6/19

+ sign -38.872+/-0.039 χ^2/NDF: 23012.1/36

All: -38.456+/-0.028 χ^2/NDF: 48357.6/75

- sign -38.033+/-0.040 χ^2/NDF: 25120.5/38

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

Left Out: -30.836+/-0.062 χ^2/NDF:22379.7/20

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

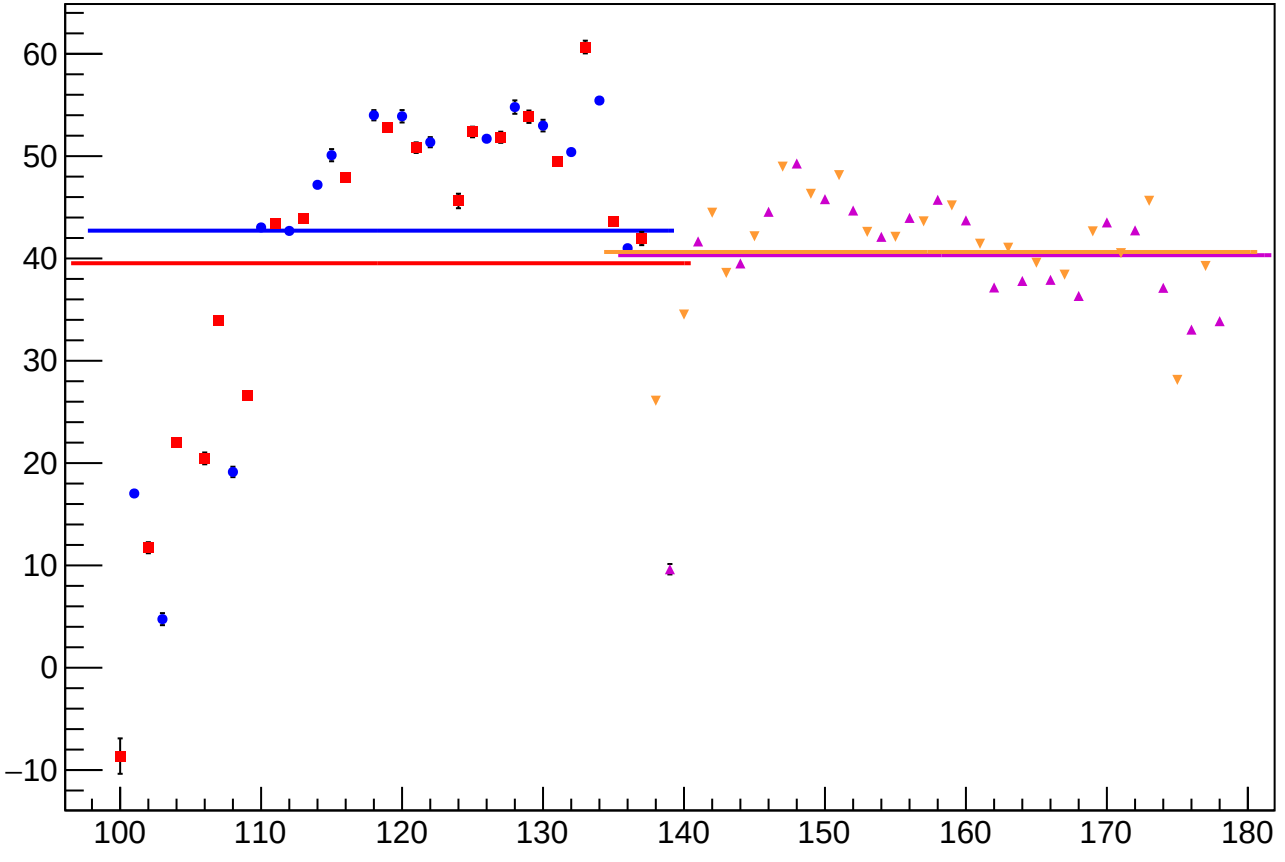
Left In: -30.614+/-0.063 χ^2/NDF:24268.8/19

+ sign -33.688+/-0.048 χ^2/NDF: 38259.4/36

All: -33.393+/-0.033 χ^2/NDF: 79062.7/75

- sign -33.128+/-0.045 χ^2/NDF: 40730.4/38

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 40.633+/-0.052 χ^2/NDF:10957.2/20

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

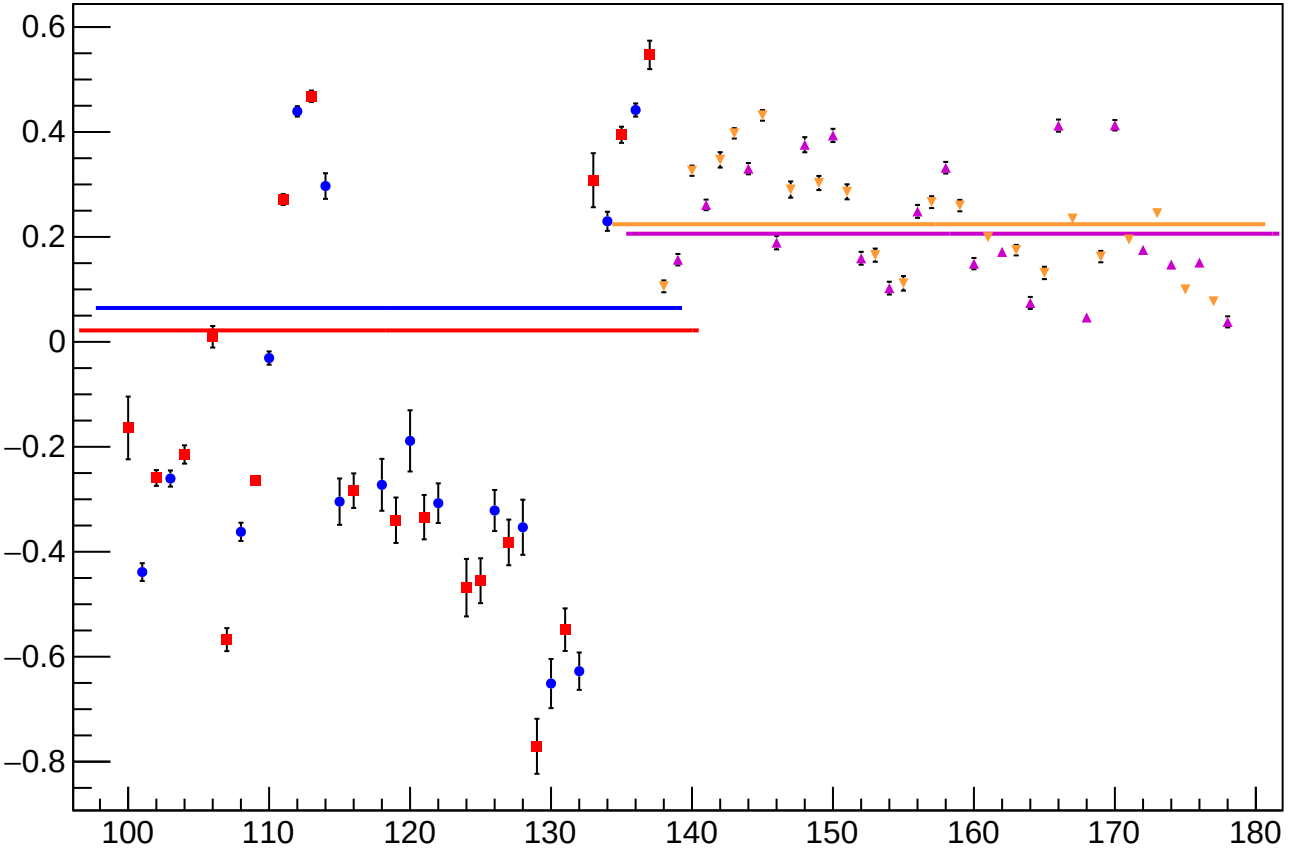
Left In: 40.319+/-0.054 χ^2/NDF:9952.6/19

+ sign 41.204+/-0.045 χ^2/NDF: 26158.5/36

All: 40.633+/-0.031 χ^2/NDF: 54485.6/75

- sign 40.066+/-0.044 χ^2/NDF: 27999.3/38

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.224+/-0.002 χ^2/NDF:1781.7/20

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

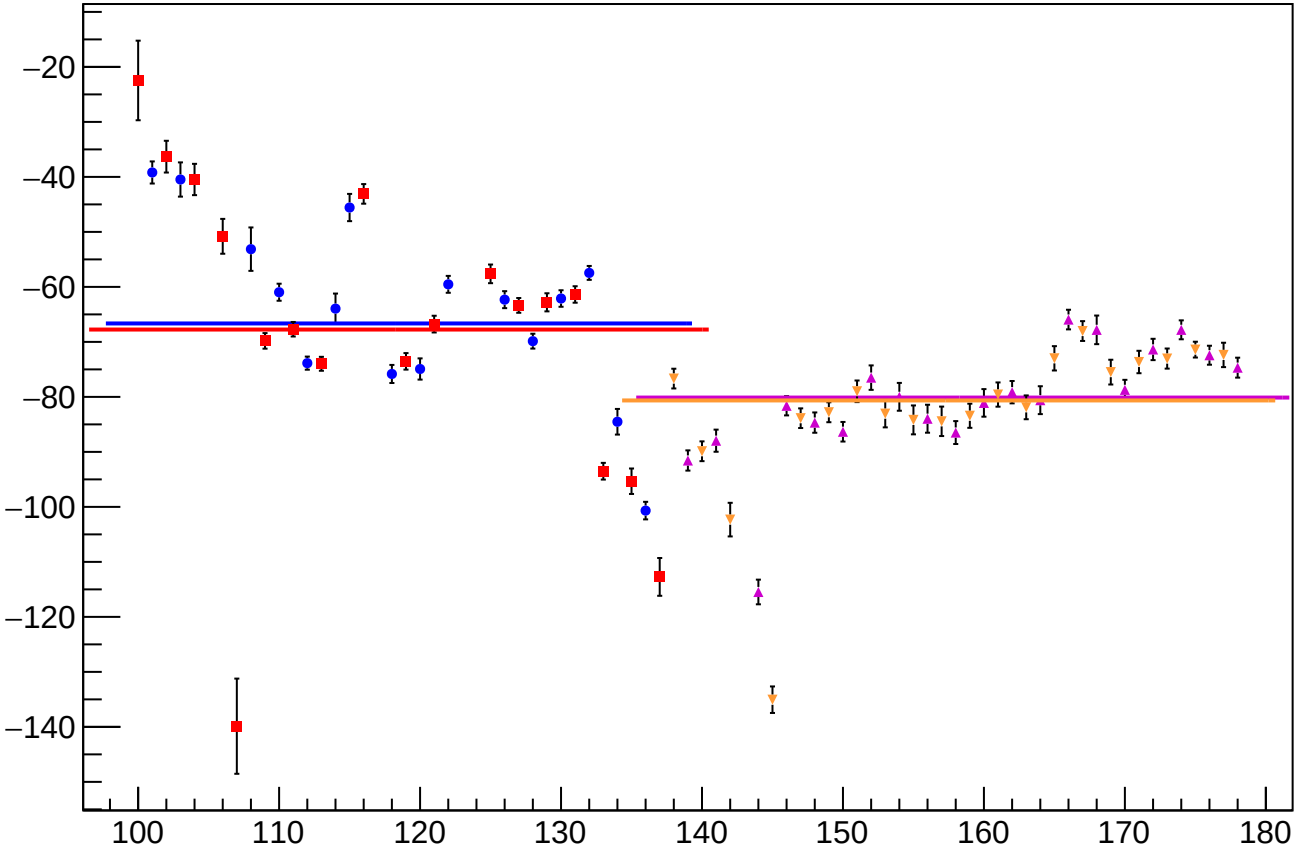
Left In: 0.206+/-0.002 χ^2/NDF:2318.2/19

+ sign 0.193+/-0.002 χ^2/NDF: 8156.6/36

All: 0.178+/-0.001 χ^2/NDF: 18338.3/75

- sign 0.164+/-0.002 χ^2/NDF: 10084.0/38

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -66.648+/-0.426 χ^2/NDF: 1052.4/15

Left Out: -80.646+/-0.457 χ^2/NDF:754.0/19

Right Out: -67.755+/-0.419 χ^2/NDF: 1255.4/17

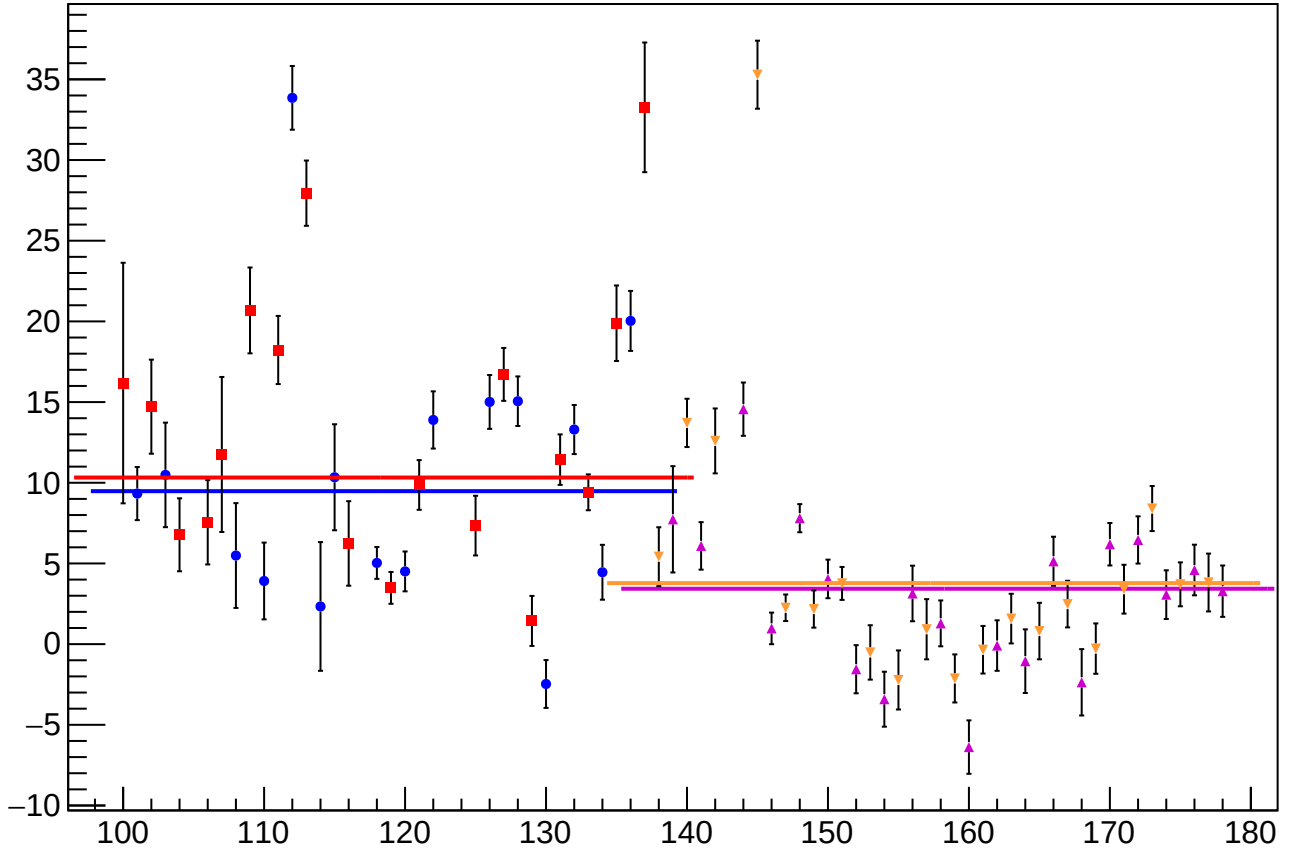
Left In: -80.123+/-0.448 χ^2/NDF:522.5/19

+ sign -73.157+/-0.312 χ^2/NDF: 2308.2/35

All: -73.349+/-0.218 χ^2/NDF: 4493.0/73

- sign -73.534+/-0.306 χ^2/NDF: 2184.1/37

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 3.782+/-0.321 χ^2/NDF:359.5/19

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

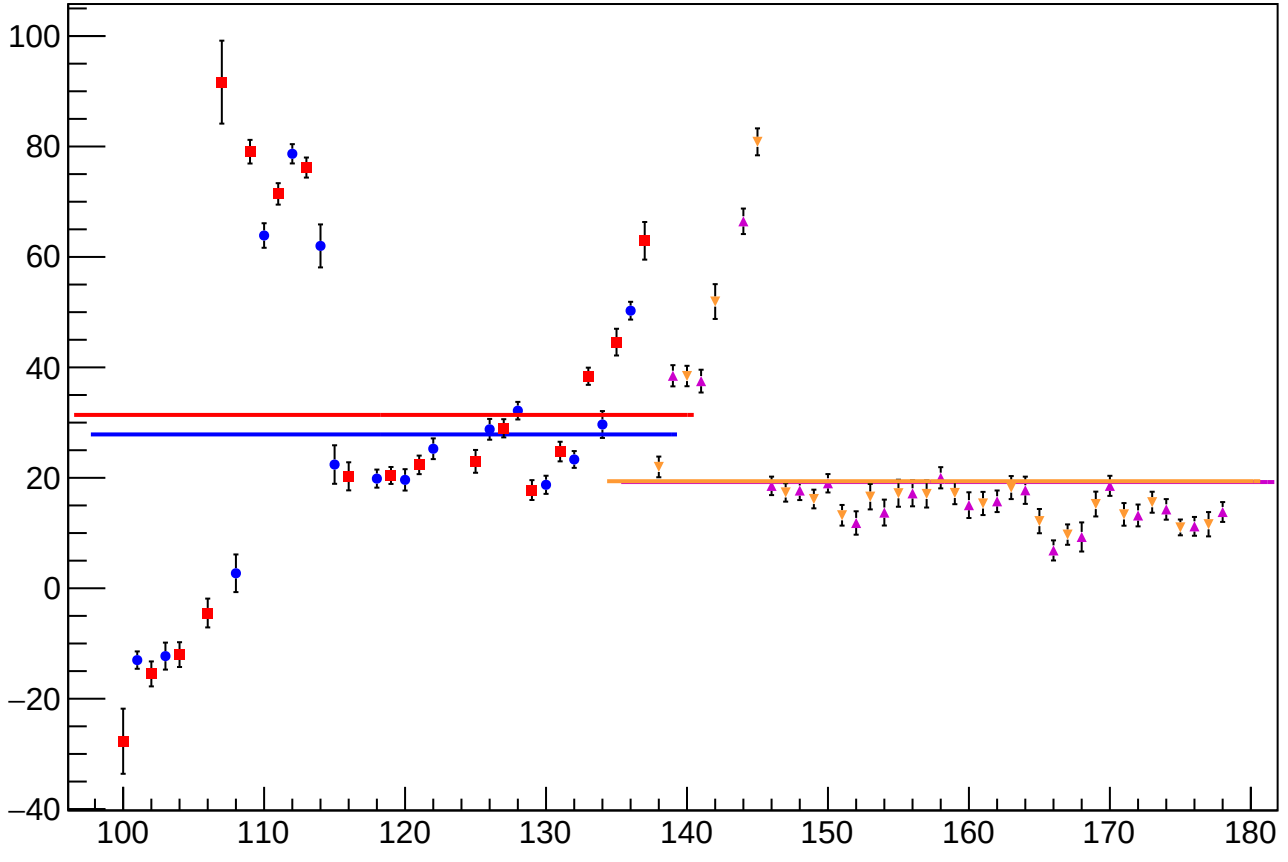
Left In: 3.432+/-0.323 χ^2/NDF:175.6/19

+ sign 5.833+/-0.257 χ^2/NDF: 814.8/35

All: 5.855+/-0.183 χ^2/NDF: 1415.3/73

- sign 5.877+/-0.259 χ^2/NDF: 600.5/37

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 19.387+/-0.449 χ^2/NDF:974.1/19

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

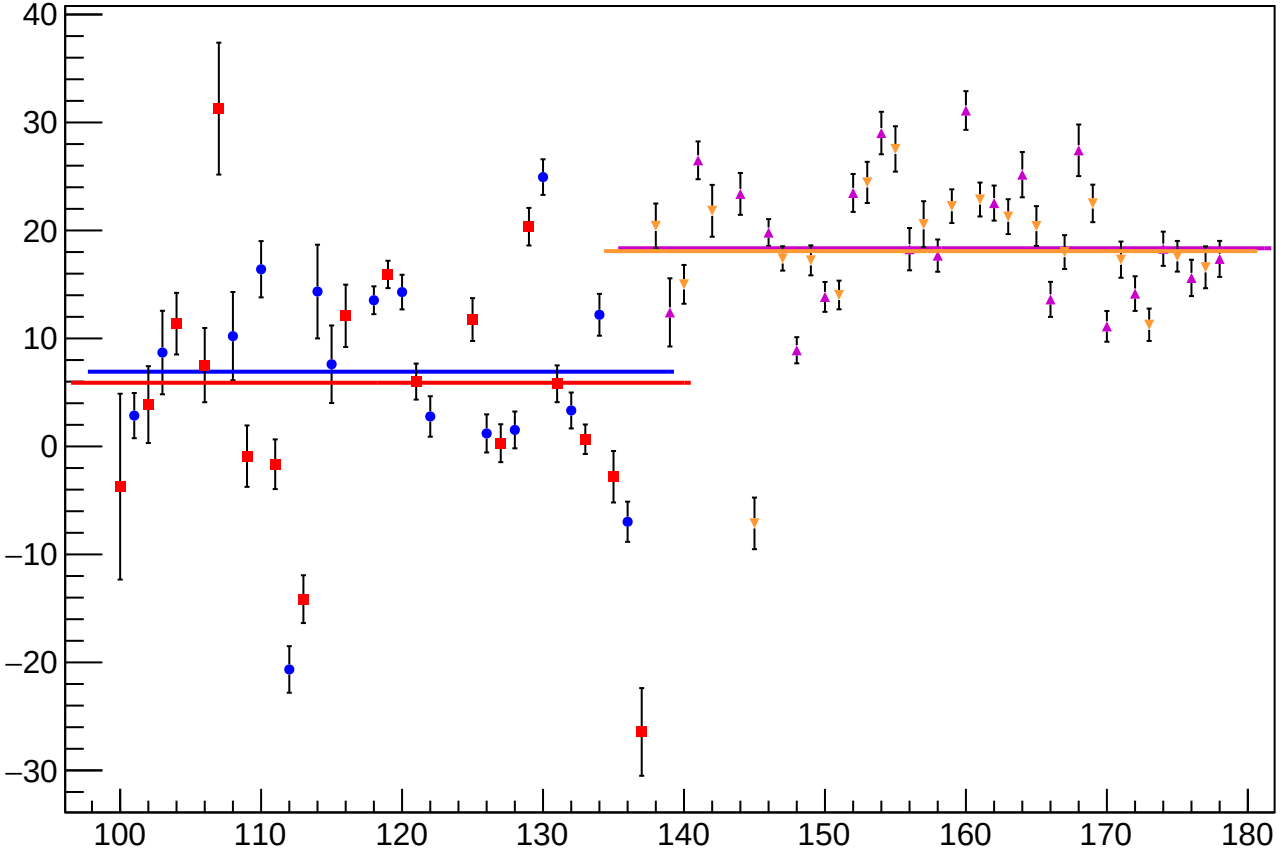
Left In: 19.236+/-0.440 χ^2/NDF:732.0/19

+ sign 23.315+/-0.329 χ^2/NDF: 3613.5/35

All: 24.009+/-0.232 χ^2/NDF: 7708.3/73

- sign 24.696+/-0.327 χ^2/NDF: 4086.0/37

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 18.088+/-0.371 χ^2/NDF:210.8/19

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

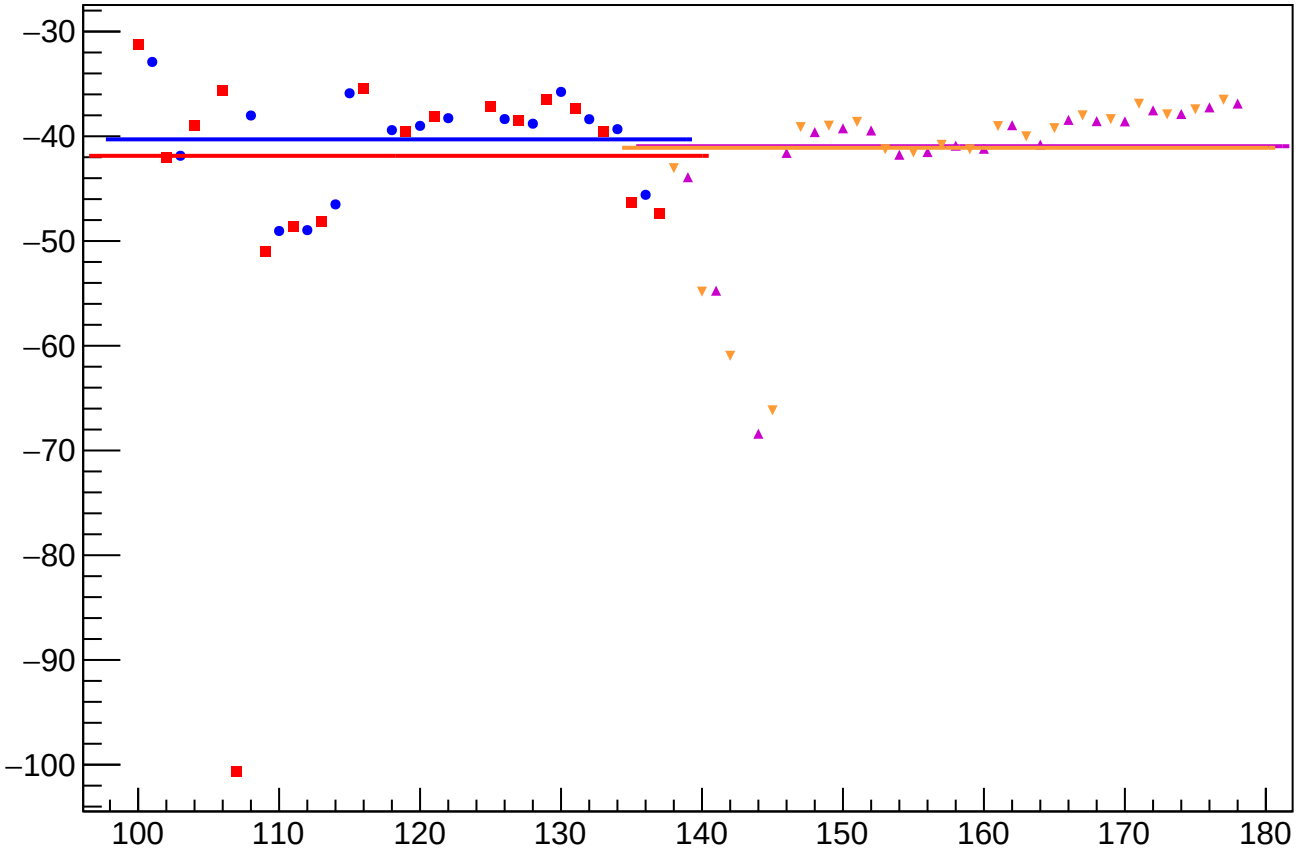
Left In: 18.351+/-0.370 χ^2/NDF:269.3/19

+ sign 14.083+/-0.297 χ^2/NDF: 980.7/35

All: 14.022+/-0.210 χ^2/NDF: 2016.8/73

- sign 13.961+/-0.298 χ^2/NDF: 1036.0/37

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -40.293+/-0.031 χ^2/NDF: 20663.5/15

Left Out: -41.099+/-0.017 χ^2/NDF:139745.3/19

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

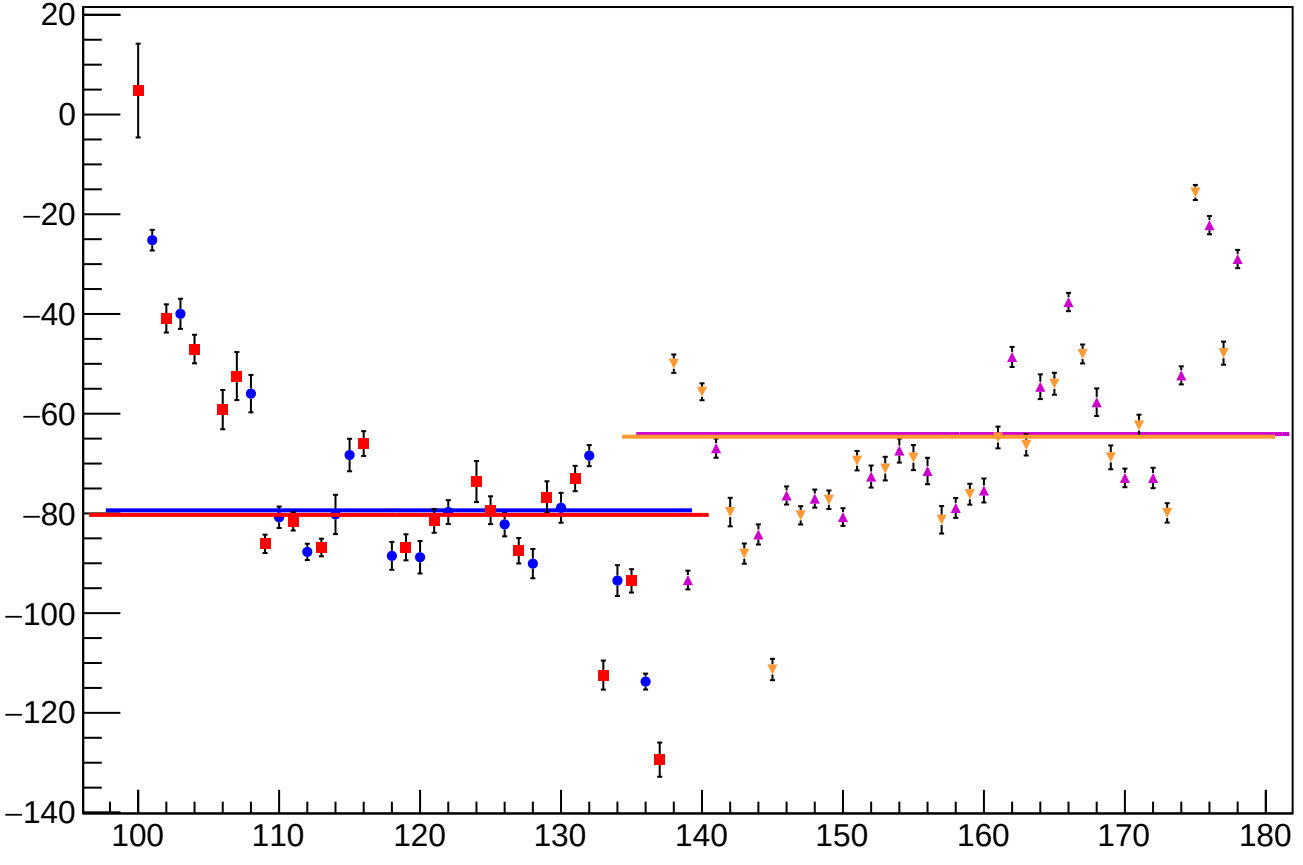
Left In: -40.948+/-0.017 χ^2/NDF:114302.1/19

+ sign -40.915+/-0.015 χ^2/NDF: 160917.0/35

All: -41.031+/-0.011 χ^2/NDF: 334716.5/73

- sign -41.143+/-0.015 χ^2/NDF: 173682.4/37

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -79.382+/-0.611 χ^2/NDF: 1475.9/15

Left Out: -64.618+/-0.449 χ^2/NDF:2191.5/20

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

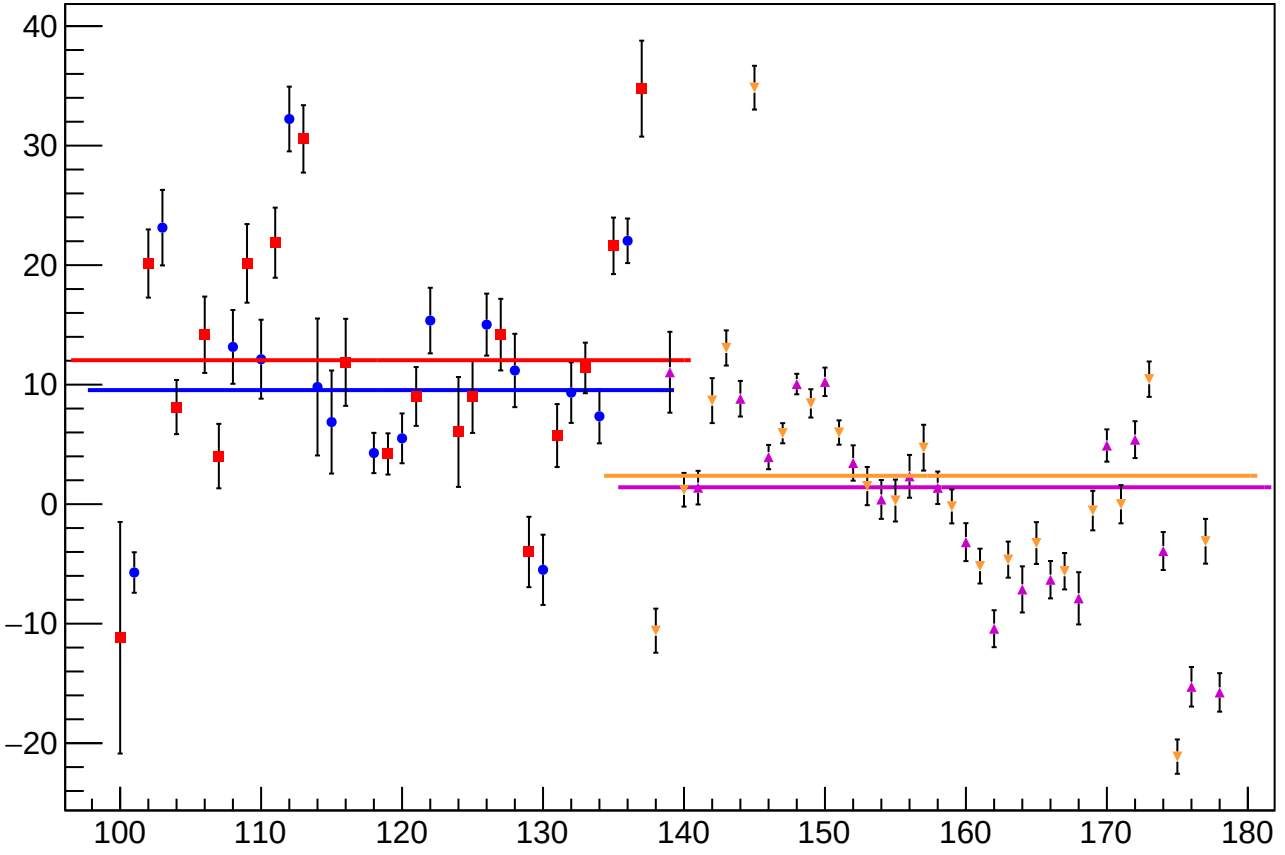
Left In: -64.083+/-0.450 χ^2/NDF:1891.6/19

+ sign -69.795+/-0.362 χ^2/NDF: 4046.5/36

All: -69.836+/-0.256 χ^2/NDF: 7315.6/75

- sign -69.876+/-0.361 χ^2/NDF: 3269.2/38

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 9.543+/-0.621 χ^2/NDF: 267.1/15

Left Out: 2.375+/-0.315 χ^2/NDF:888.8/20

Right Out: 12.044+/-0.637 χ^2/NDF: 195.8/18

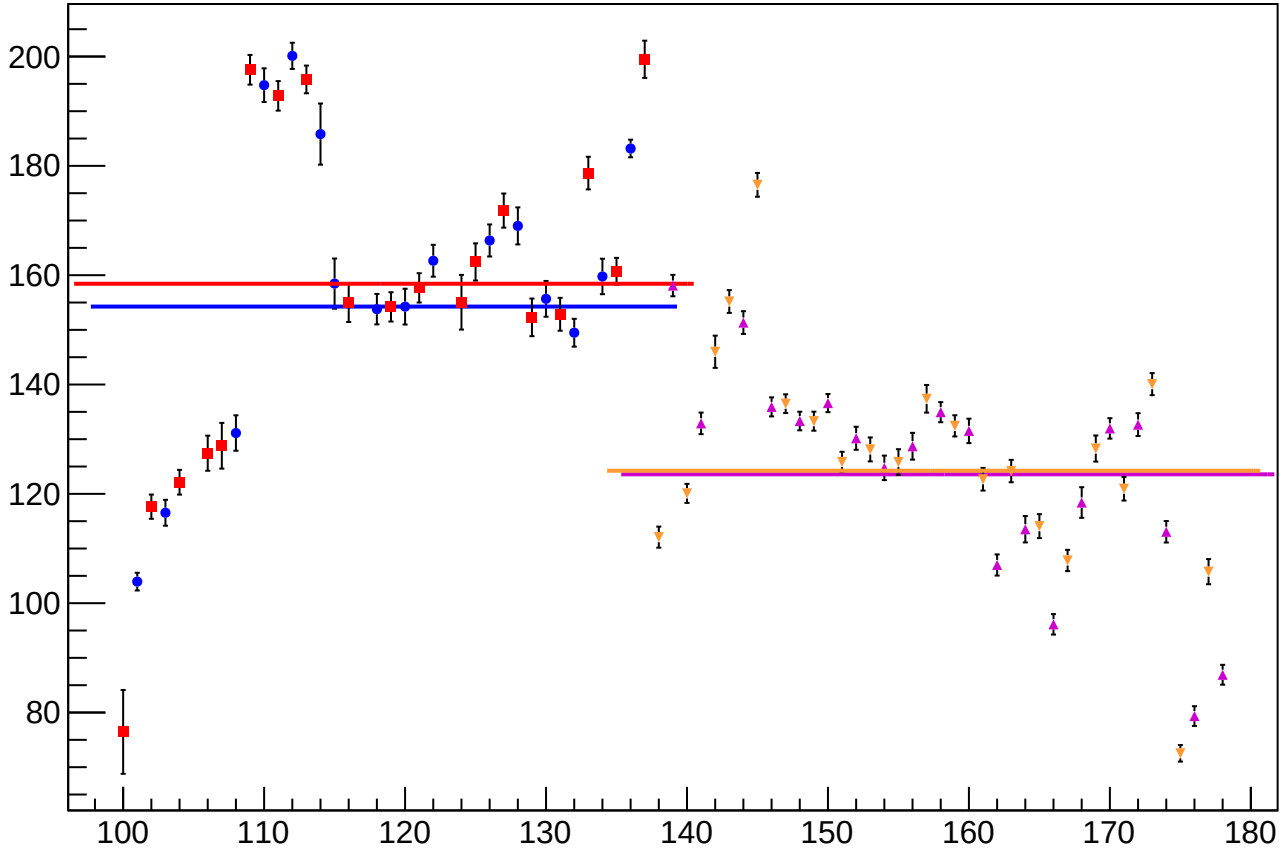
Left In: 1.413+/-0.323 χ^2/NDF:567.3/19

+ sign 3.844+/-0.281 χ^2/NDF: 1261.6/36

All: 3.719+/-0.201 χ^2/NDF: 2246.8/75

- sign 3.588+/-0.288 χ^2/NDF: 984.8/38

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 124.231+/-0.441 χ^2/NDF:2416.0/20

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

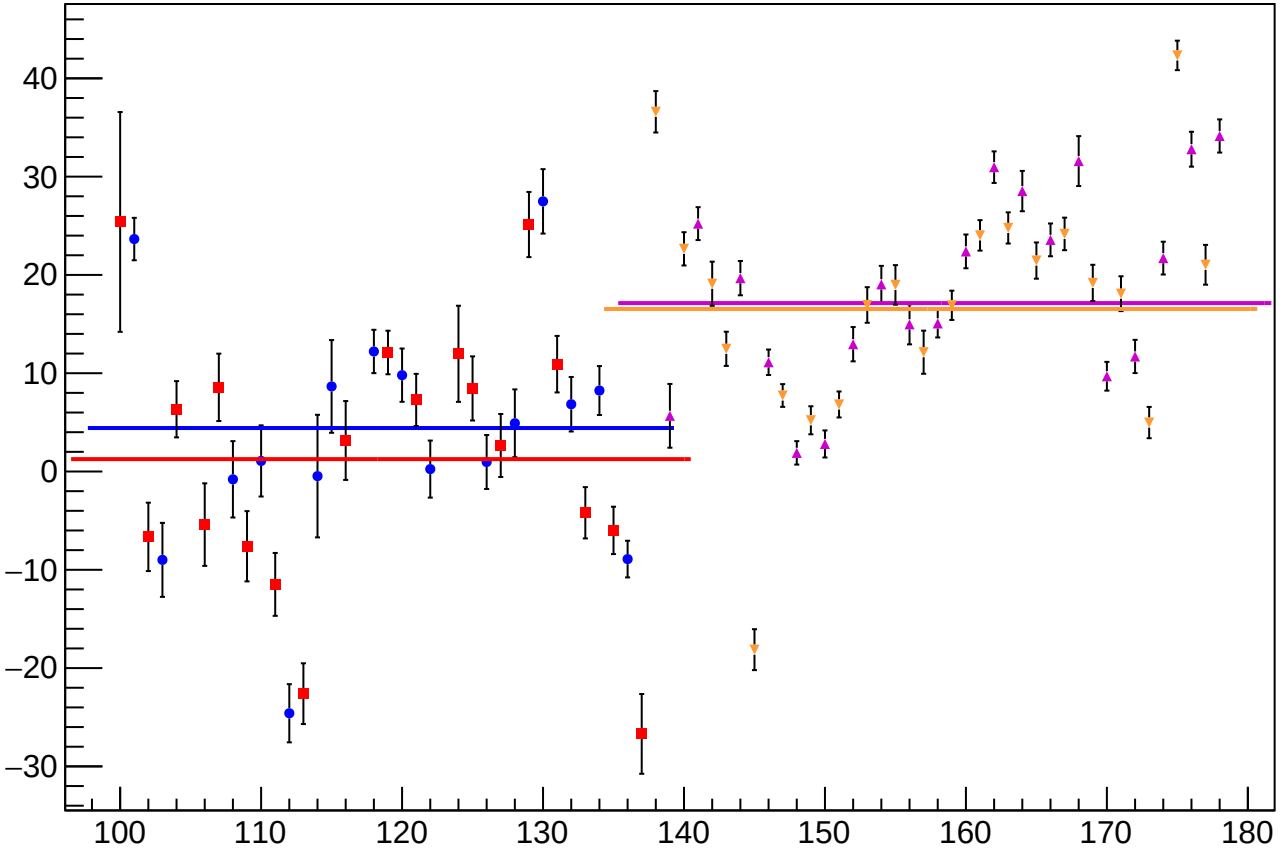
Left In: 123.572+/-0.442 χ^2/NDF:2105.2/19

+ sign 133.479+/-0.367 χ^2/NDF: 6054.8/36

All: 133.676+/-0.261 χ^2/NDF: 11662.3/75

- sign 133.877+/-0.371 χ^2/NDF: 5606.9/38

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 16.537+/-0.365 χ^2/NDF:1003.2/20

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

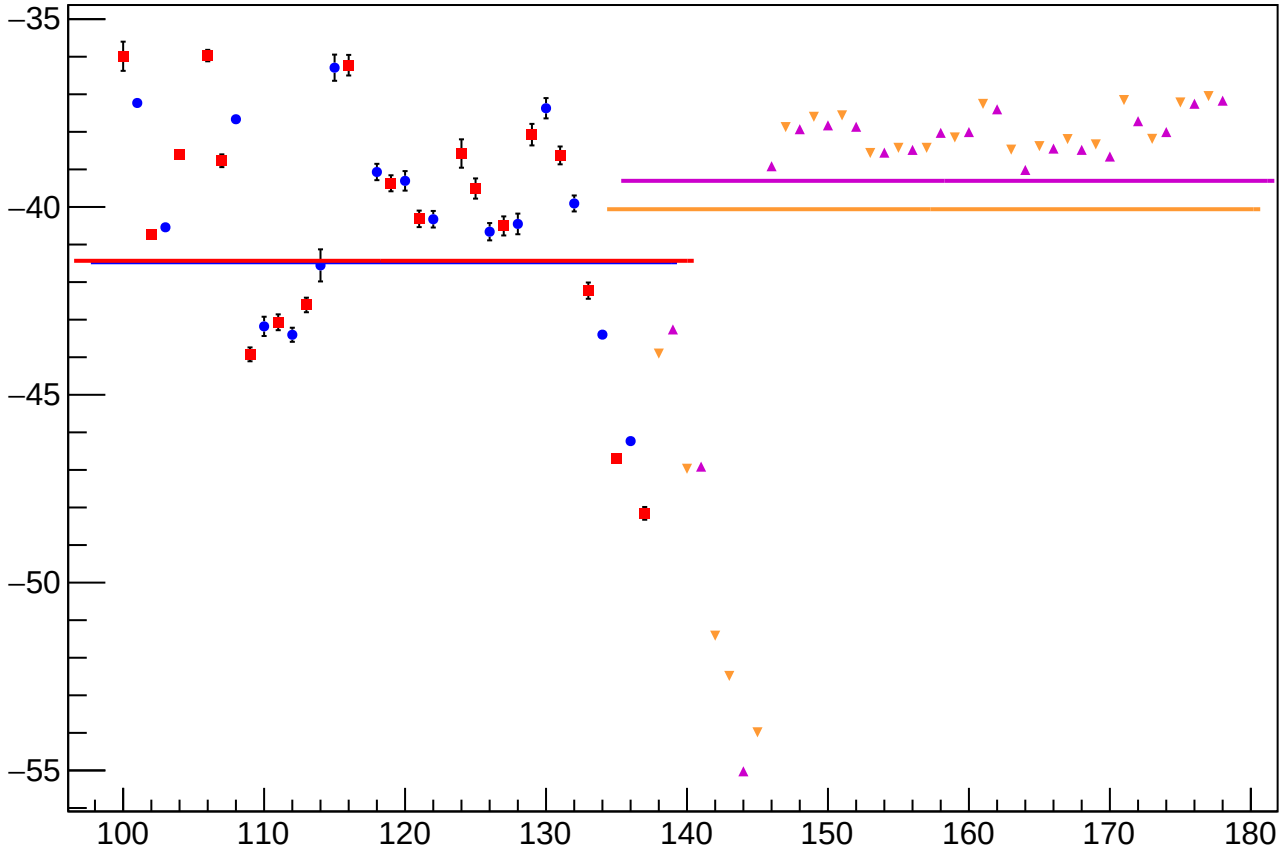
Left In: 17.135+/-0.371 χ^2/NDF:725.8/19

+ sign 14.032+/-0.325 χ^2/NDF: 1547.6/36

All: 13.963+/-0.232 χ^2/NDF: 2913.0/75

- sign 13.891+/-0.331 χ^2/NDF: 1365.3/38

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -40.060+/-0.017 χ^2/NDF:79663.7/20

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

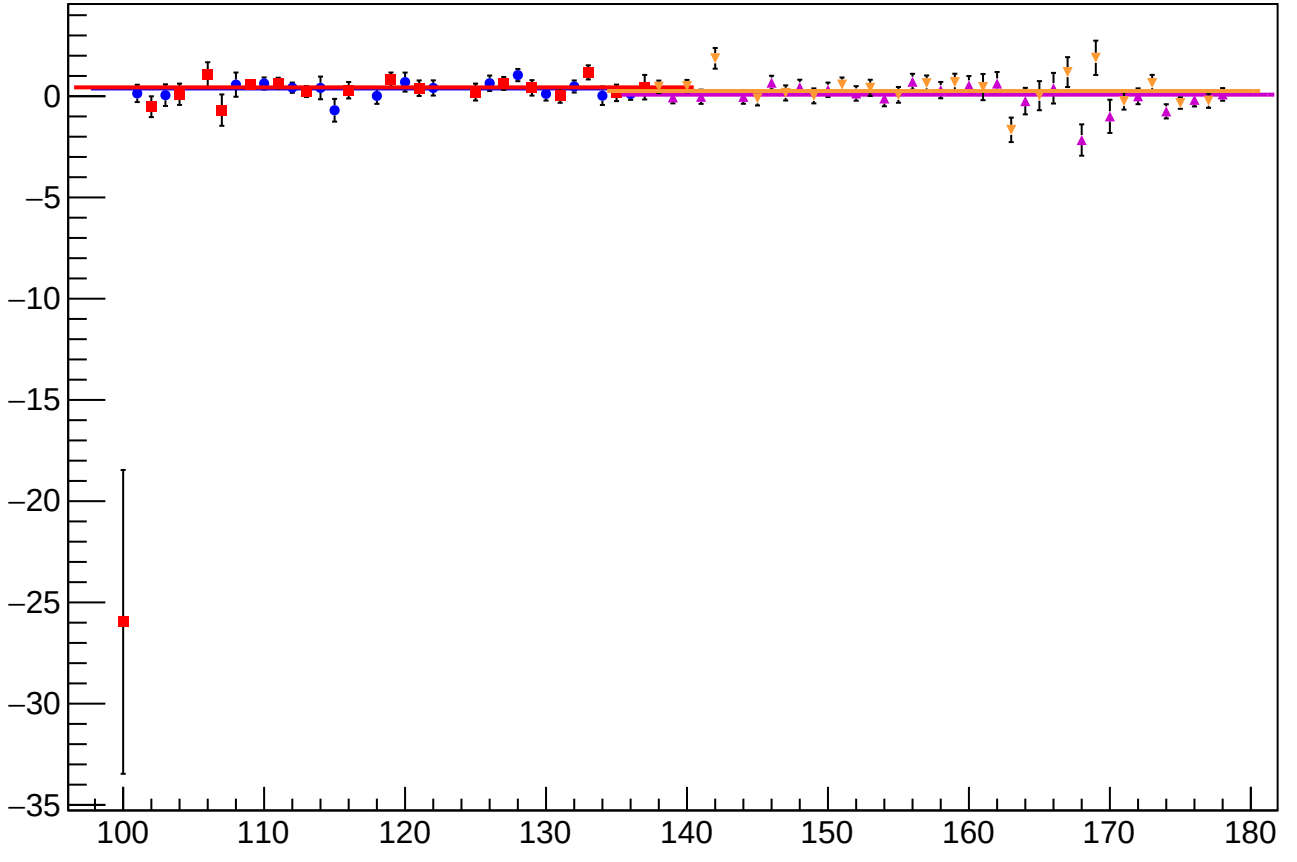
Left In: -39.304+/-0.017 χ^2/NDF:45985.5/19

+ sign -40.291+/-0.015 χ^2/NDF: 88723.5/36

All: -39.960+/-0.011 χ^2/NDF: 146318.1/75

- sign -39.628+/-0.015 χ^2/NDF: 56671.3/38

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.256+/-0.090 χ^2/NDF:40.1/19

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

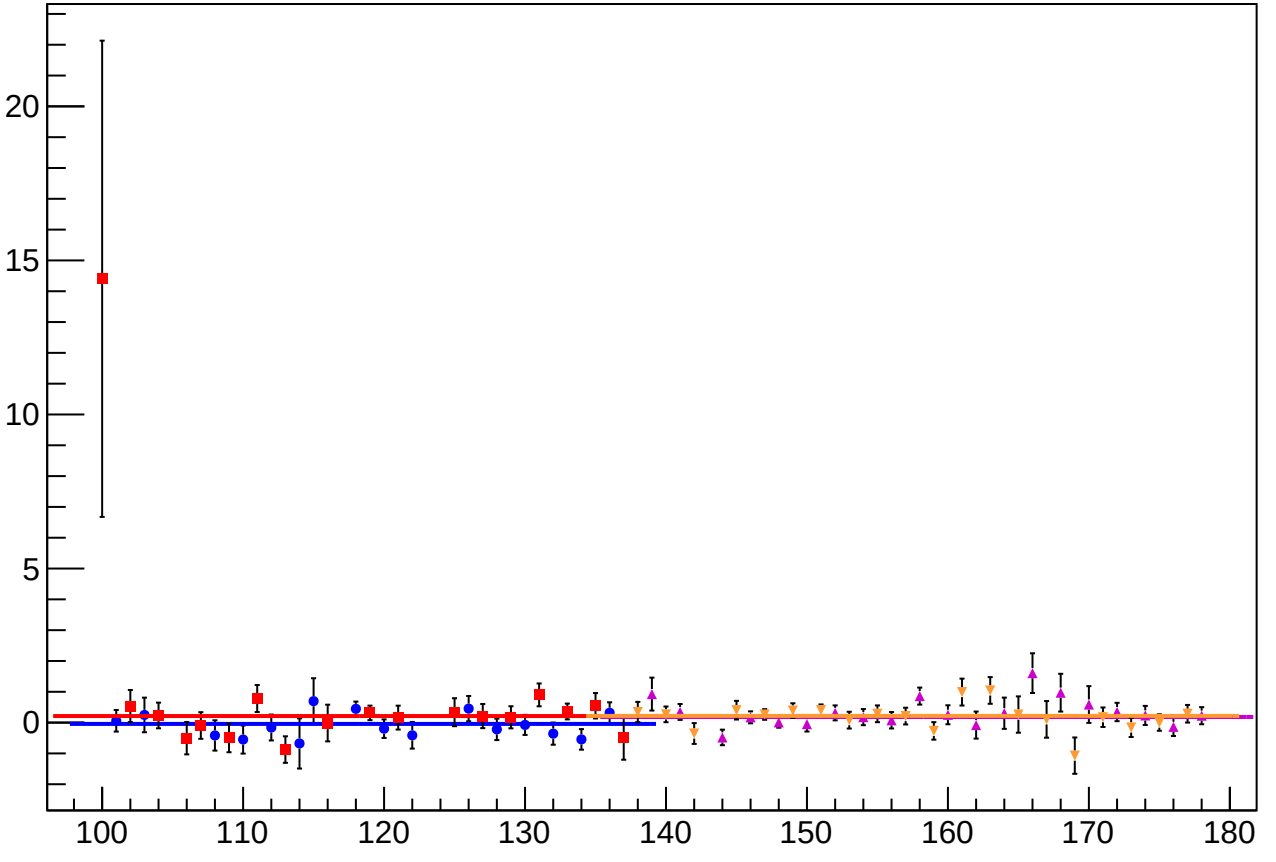
Left In: 0.076+/-0.088 χ^2/NDF:26.7/19

+ sign 0.317+/-0.064 χ^2/NDF: 55.1/35

All: 0.284+/-0.045 χ^2/NDF: 119.4/73

- sign 0.253+/-0.063 χ^2/NDF: 63.8/37

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.218+/-0.064 χ^2/NDF:22.1/19

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

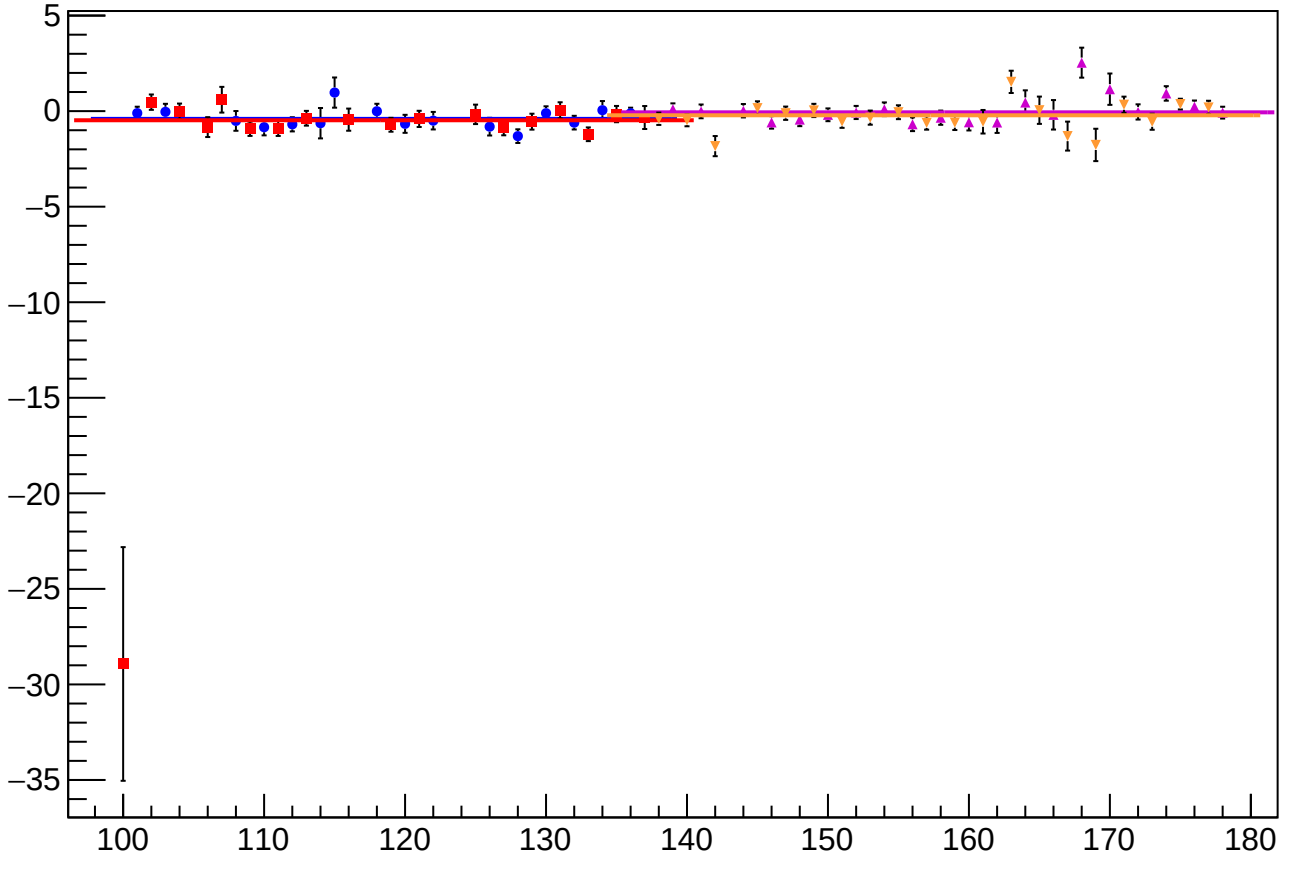
Left In: 0.182+/-0.064 χ^2/NDF:26.6/19

+ sign 0.135+/-0.053 χ^2/NDF: 42.4/35

All: 0.163+/-0.038 χ^2/NDF: 92.0/73

- sign 0.192+/-0.053 χ^2/NDF: 49.1/37

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.217+/-0.088 χ^2/NDF:38.5/19

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

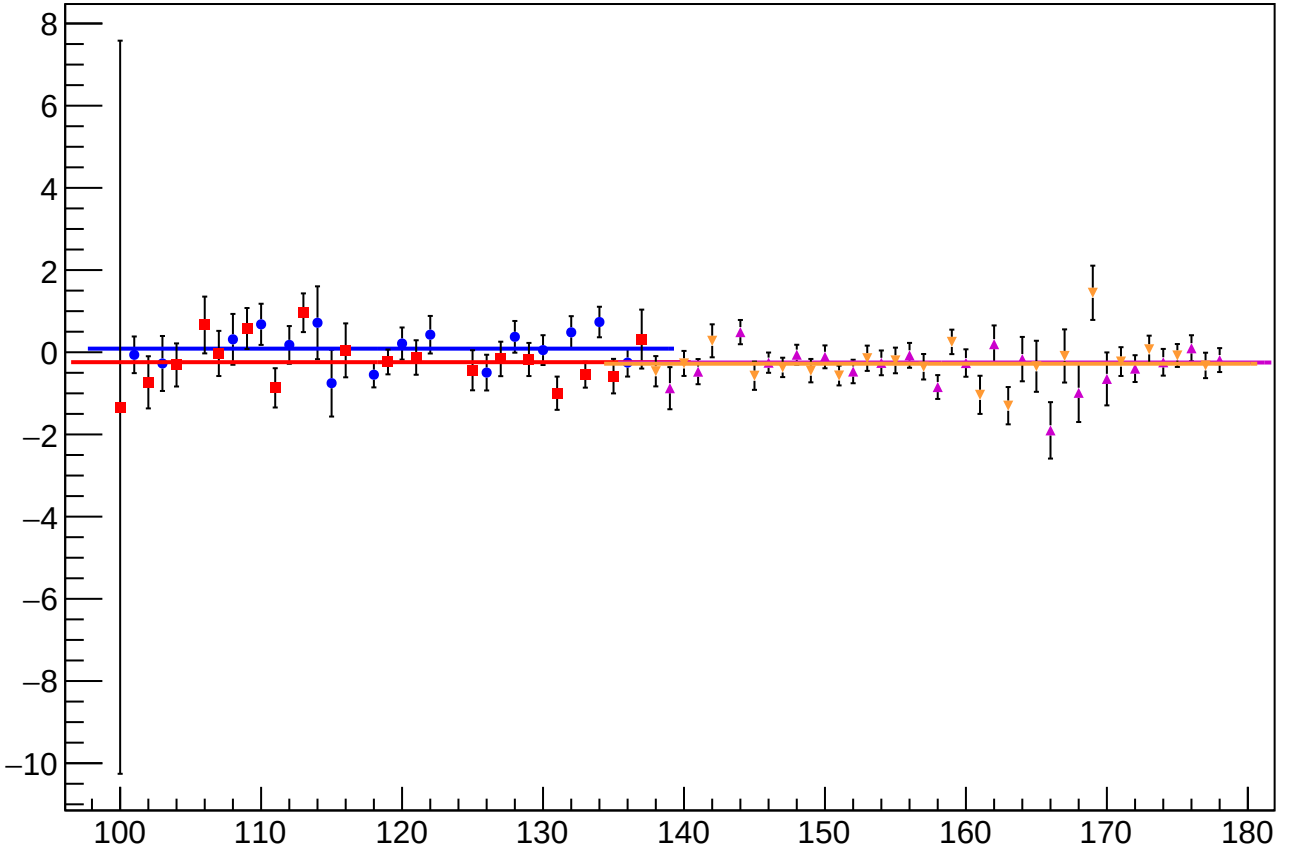
Left In: -0.063+/-0.087 χ^2/NDF:31.9/19

+ sign -0.297+/-0.067 χ^2/NDF: 58.2/35

All: -0.264+/-0.047 χ^2/NDF: 142.2/73

- sign -0.232+/-0.067 χ^2/NDF: 83.5/37

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.279+/-0.074 χ^2/NDF:24.6/19

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

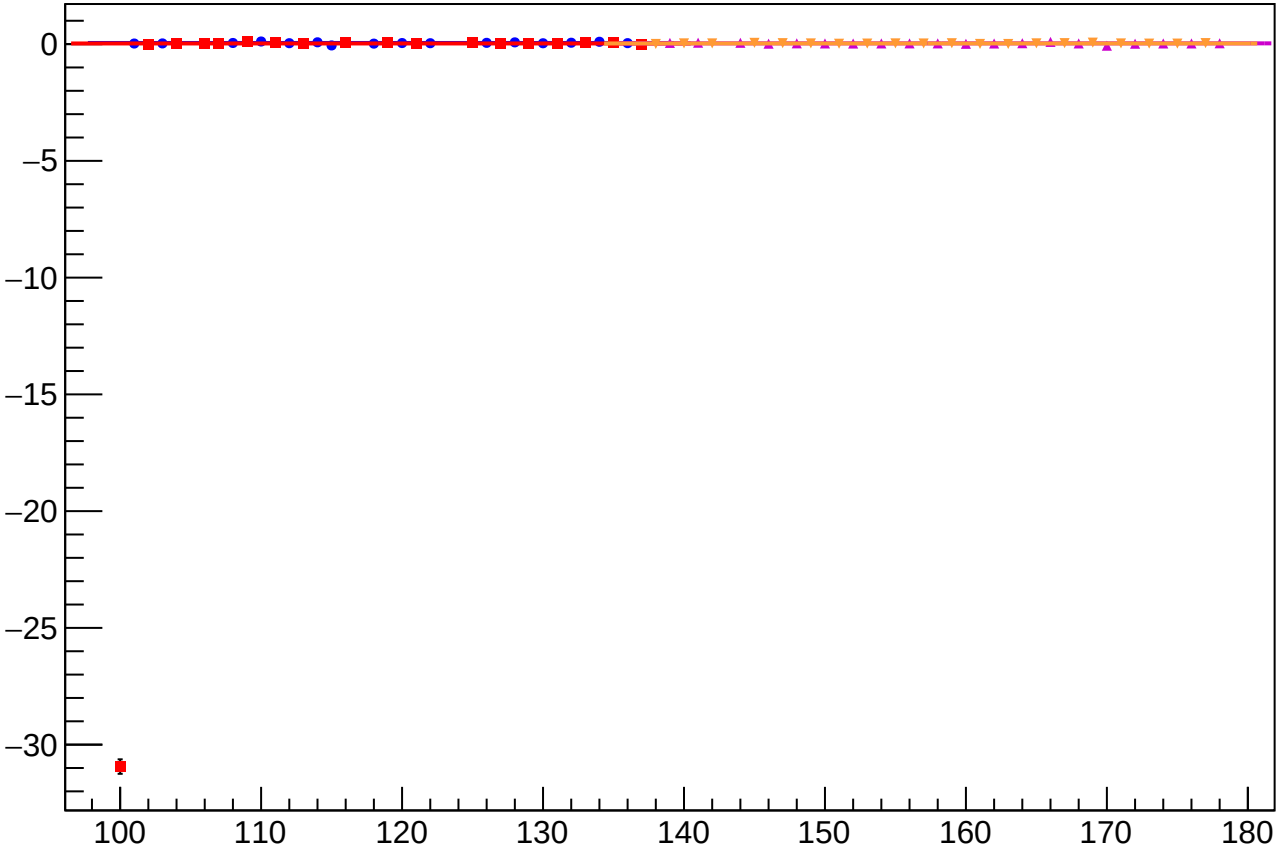
Left In: -0.250+/-0.074 χ^2/NDF:24.0/19

+ sign -0.161+/-0.061 χ^2/NDF: 48.3/35

All: -0.204+/-0.043 χ^2/NDF: 92.9/73

- sign -0.247+/-0.061 χ^2/NDF: 43.6/37

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.028+/-0.003 χ^2/NDF:13.8/19

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

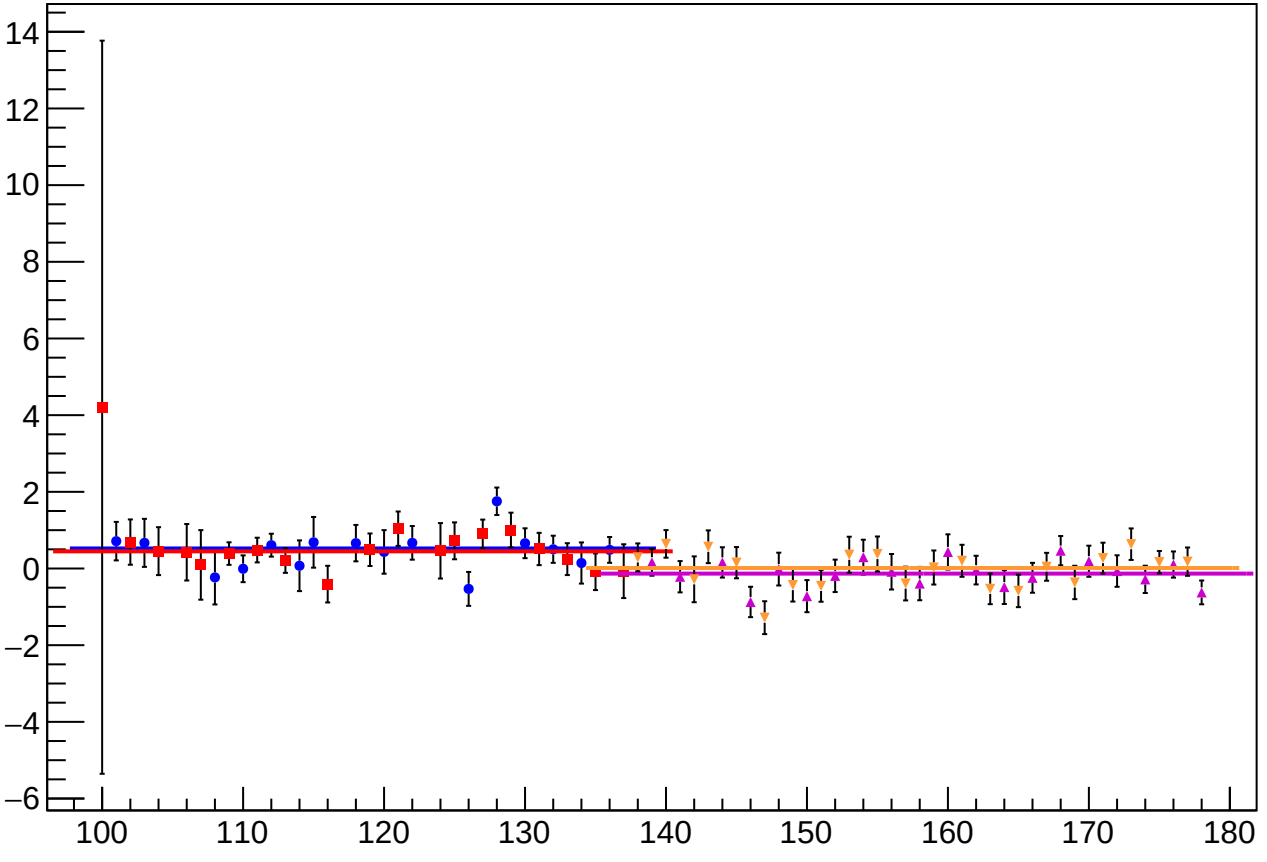
Left In: 0.032+/-0.003 χ^2/NDF:30.5/19

+ sign 0.033+/-0.003 χ^2/NDF: 41.2/35

All: 0.032+/-0.002 χ^2/NDF: 10093.2/73

- sign 0.031+/-0.003 χ^2/NDF: 10051.9/37

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.522+/-0.108 χ^2/NDF: 22.6/15

Left Out: 0.013+/-0.089 χ^2/NDF:27.1/20

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

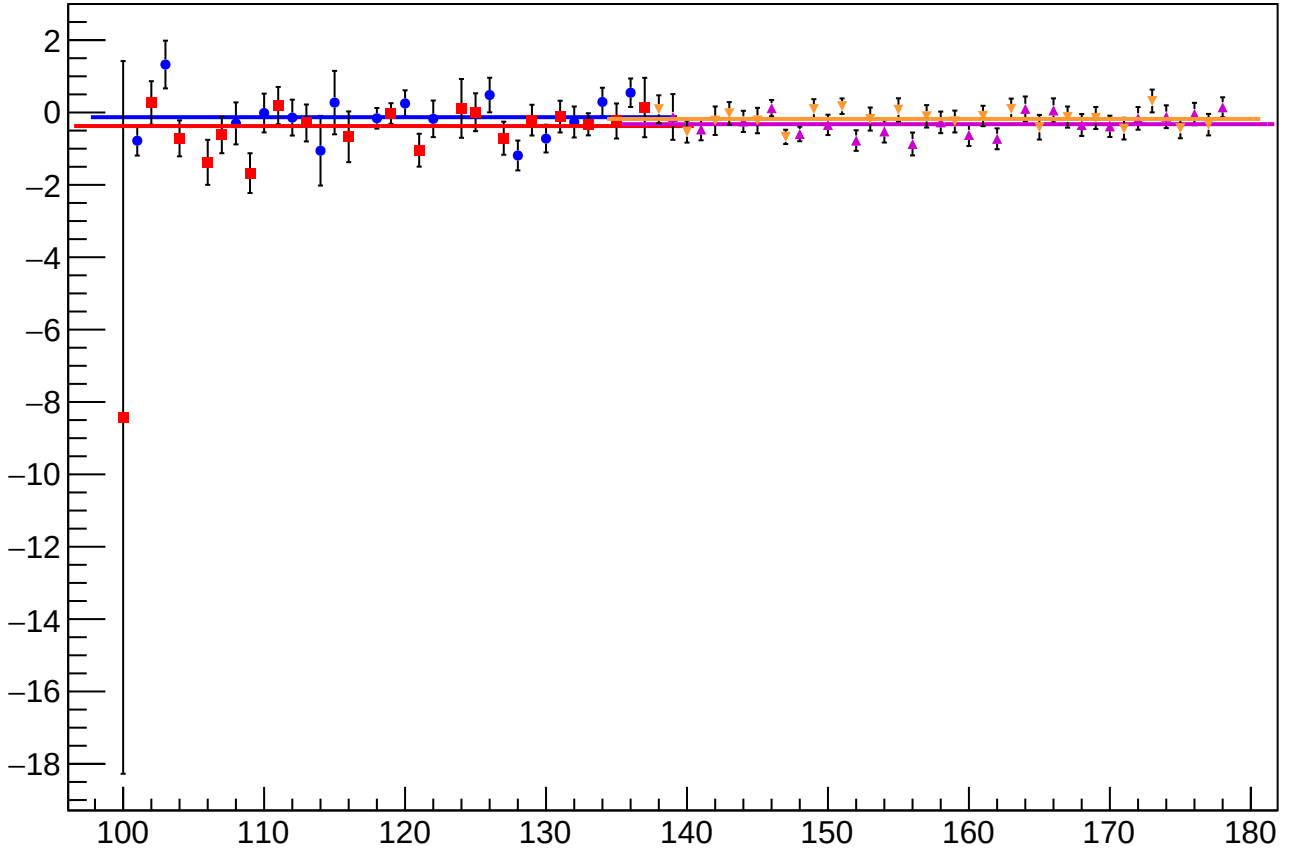
Left In: -0.133+/-0.088 χ^2/NDF:16.7/19

+ sign 0.217+/-0.069 χ^2/NDF: 63.0/36

All: 0.162+/-0.048 χ^2/NDF: 110.2/75

- sign 0.108+/-0.068 χ^2/NDF: 45.9/38

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

Left Out: -0.179+/-0.064 χ^2/NDF:18.7/20

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

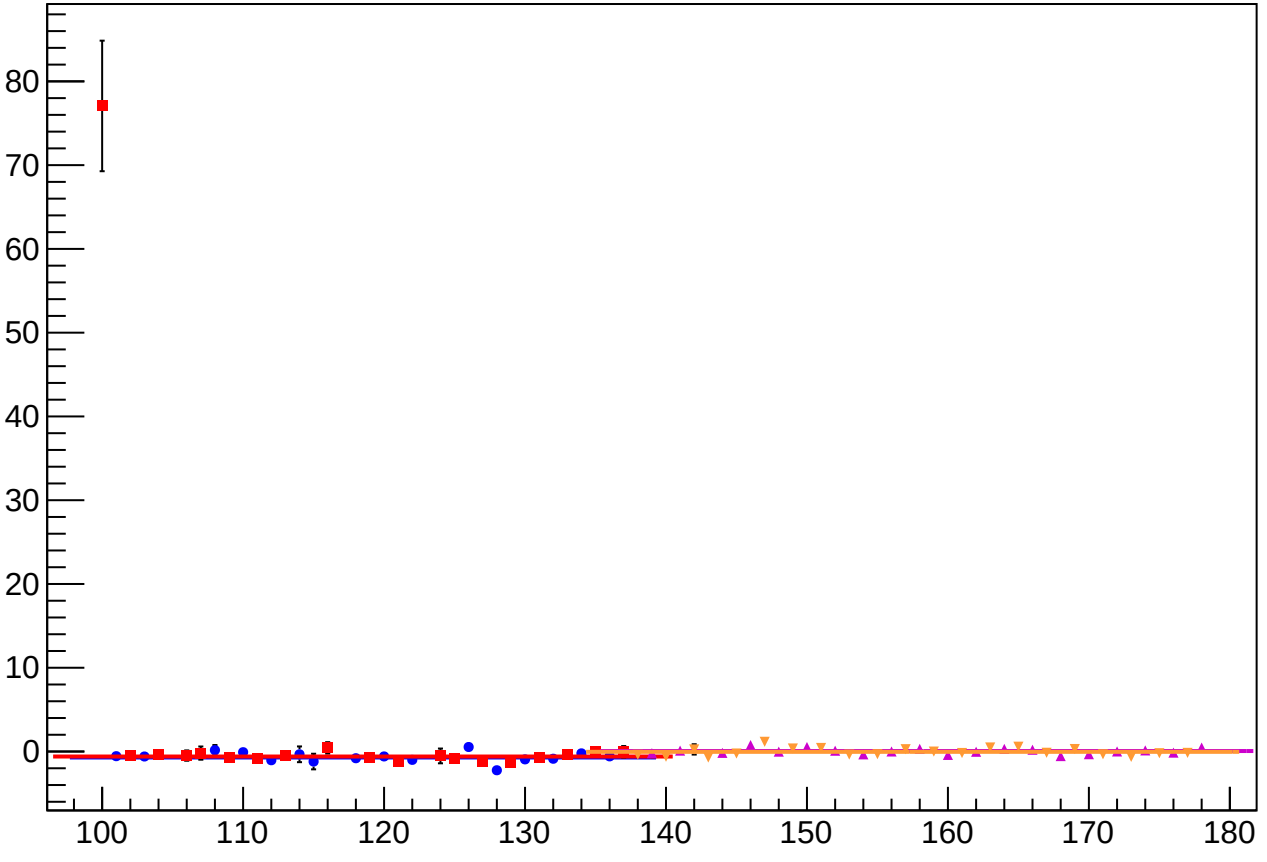
Left In: -0.323+/-0.066 χ^2/NDF:22.2/19

+ sign -0.167+/-0.055 χ^2/NDF: 43.4/36

All: -0.250+/-0.040 χ^2/NDF: 88.6/75

- sign -0.336+/-0.056 χ^2/NDF: 40.6/38

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: -0.037+/-0.087 χ^2/NDF:26.8/20

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

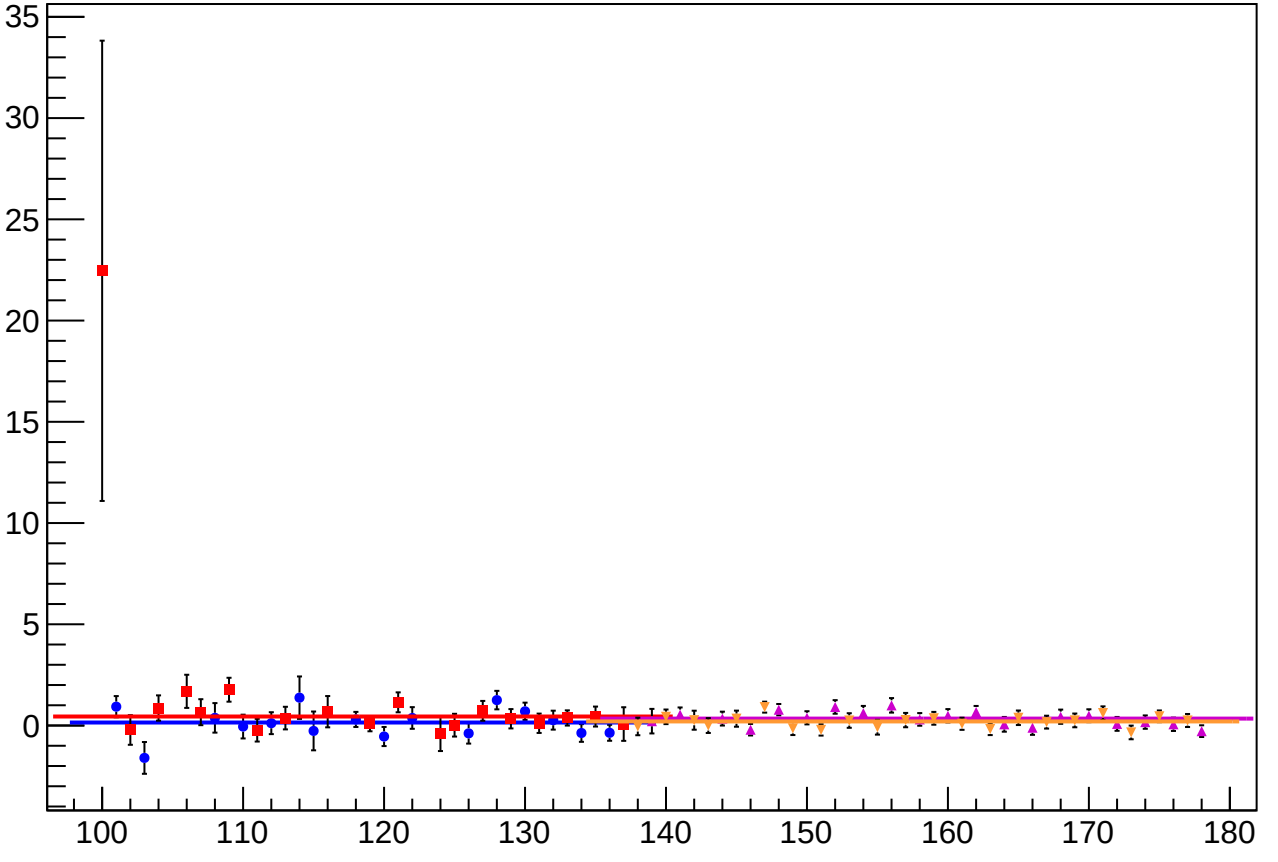
Left In: 0.057+/-0.087 χ^2/NDF:14.4/19

+ sign -0.267+/-0.071 χ^2/NDF: 72.1/36

All: -0.215+/-0.050 χ^2/NDF: 217.7/75

- sign -0.164+/-0.071 χ^2/NDF: 144.5/38

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.202+/-0.073 χ^2/NDF:19.1/20

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

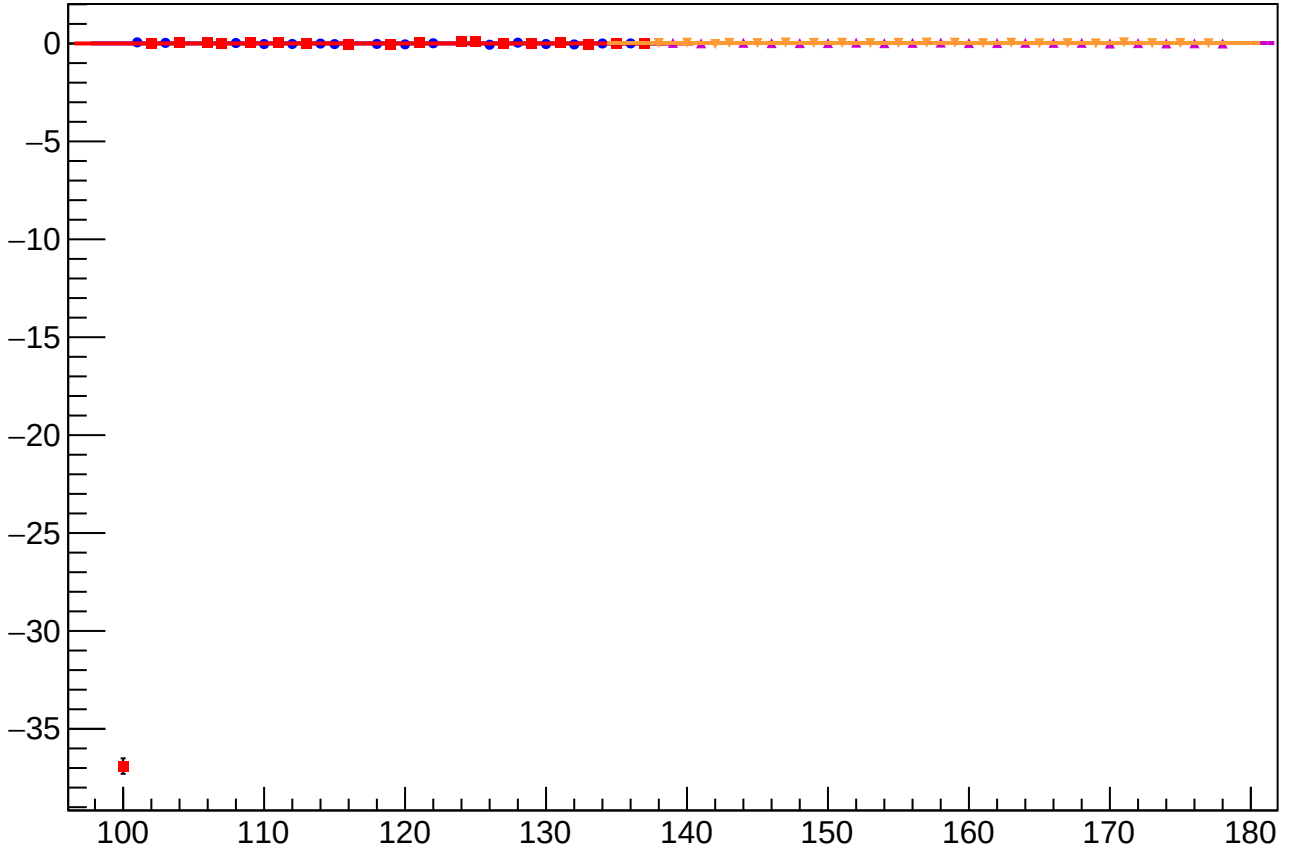
Left In: 0.341+/-0.074 χ^2/NDF:23.4/19

+ sign 0.189+/-0.063 χ^2/NDF: 42.5/36

All: 0.277+/-0.045 χ^2/NDF: 90.0/75

- sign 0.367+/-0.064 χ^2/NDF: 43.6/38

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.026+/-0.003 χ^2/NDF:23.4/20

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

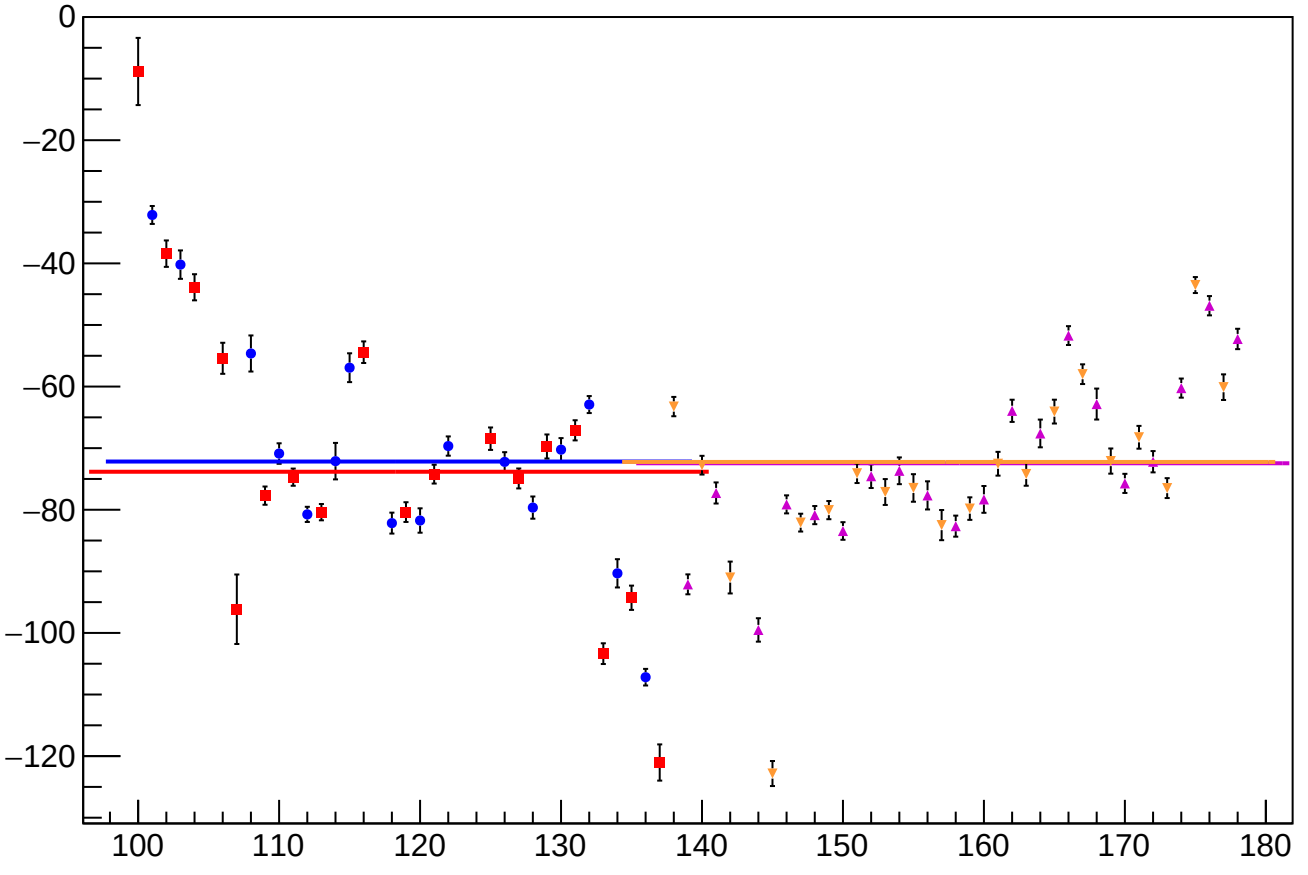
Left In: 0.025+/-0.003 χ^2/NDF:16.9/19

+ sign 0.023+/-0.003 χ^2/NDF: 47.1/36

All: 0.022+/-0.002 χ^2/NDF: 8825.2/75

- sign 0.021+/-0.003 χ^2/NDF: 8778.0/38

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -72.240+/-0.395 χ^2/NDF:1458.6/19

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

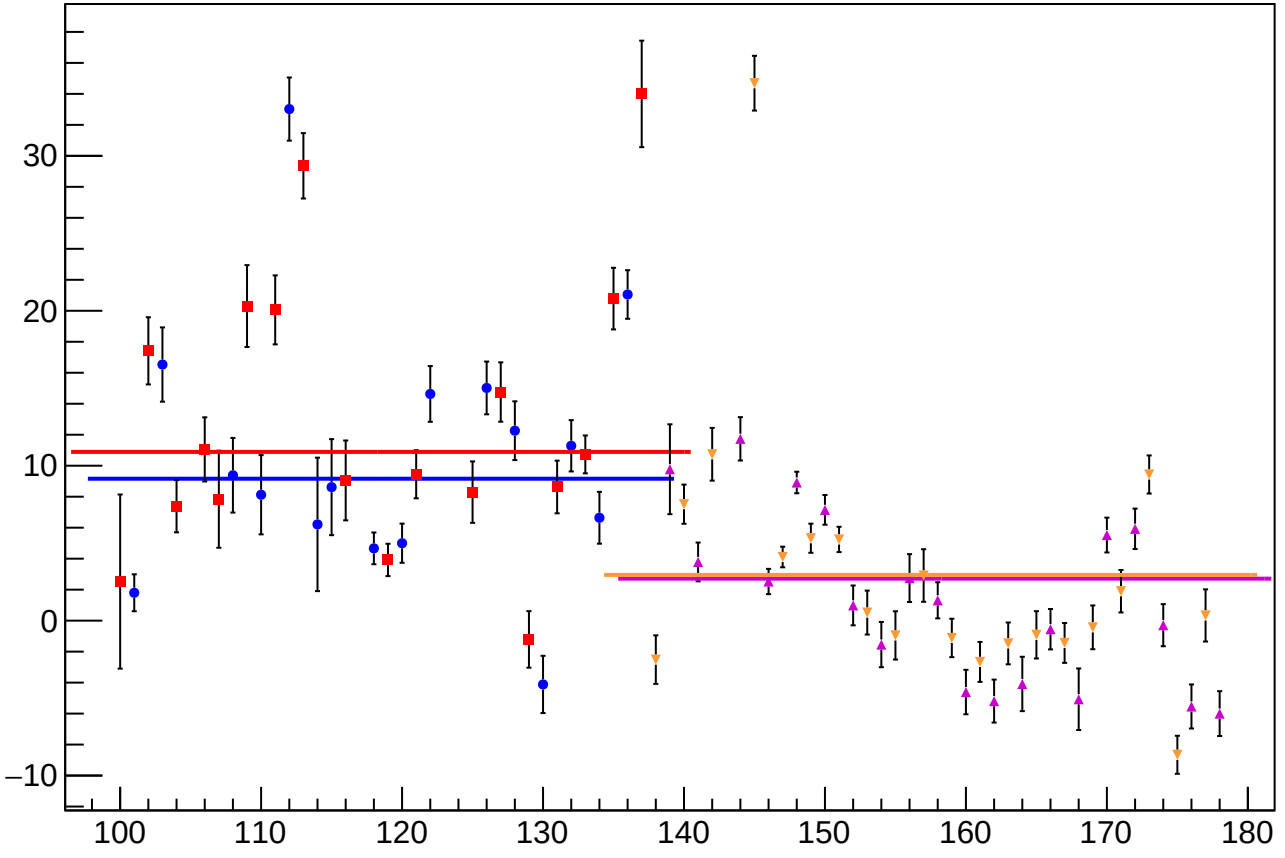
Left In: -72.453+/-0.387 χ^2/NDF:1227.3/19

+ sign -72.209+/-0.292 χ^2/NDF: 3394.6/35

All: -72.645+/-0.205 χ^2/NDF: 6189.7/73

- sign -73.069+/-0.288 χ^2/NDF: 2790.7/37

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 9.161+/-0.425 χ^2/NDF: 352.1/15

Left Out: 2.953+/-0.273 χ^2/NDF:579.5/19

Right Out: 10.892+/-0.440 χ^2/NDF: 290.2/17

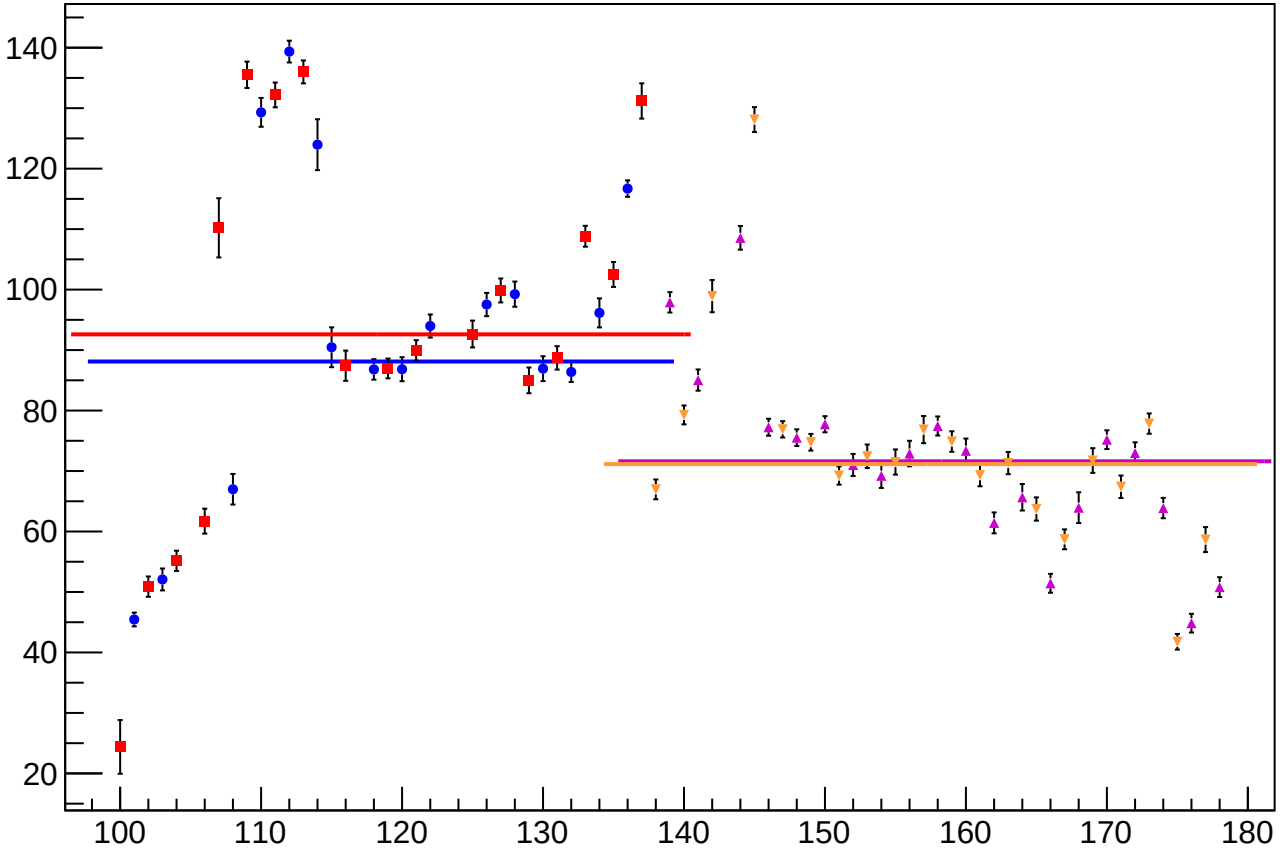
Left In: 2.710+/-0.275 χ^2/NDF:343.6/19

\+ sign 4.768+/-0.230 χ^2/NDF: 1082.5/35

All: 4.886+/-0.164 χ^2/NDF: 1965.4/73

\- sign 5.007+/-0.233 χ^2/NDF: 882.4/37

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 88.109+/-0.469 χ^2/NDF: 3561.7/15

Left Out: 71.150+/-0.387 χ^2/NDF:1592.6/19

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

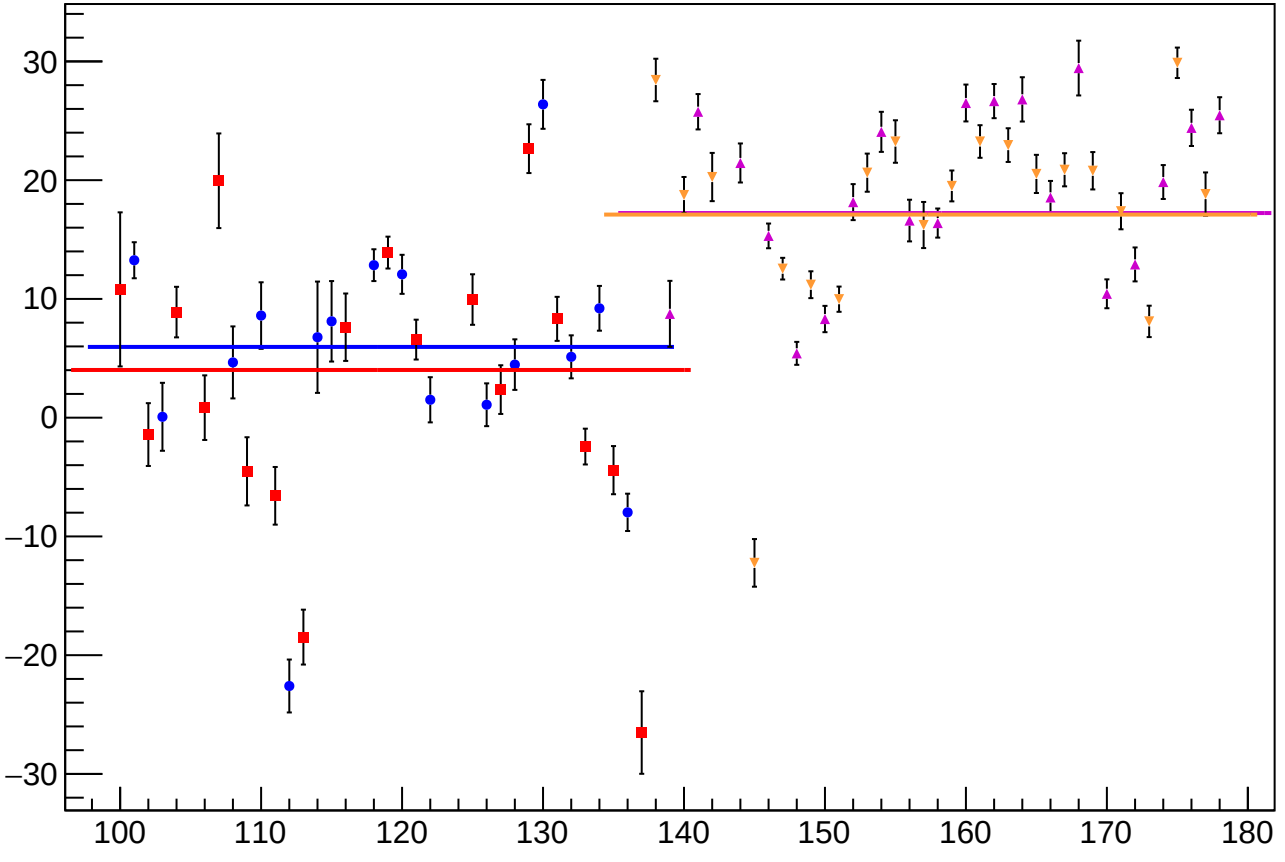
Left In: 71.611+/-0.380 χ^2/NDF:1425.1/19

+ sign 78.032+/-0.299 χ^2/NDF: 5932.6/35

All: 78.828+/-0.211 χ^2/NDF: 11749.2/73

- sign 79.623+/-0.299 χ^2/NDF: 5802.4/37

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 17.103+/-0.318 χ^2/NDF:576.0/19

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

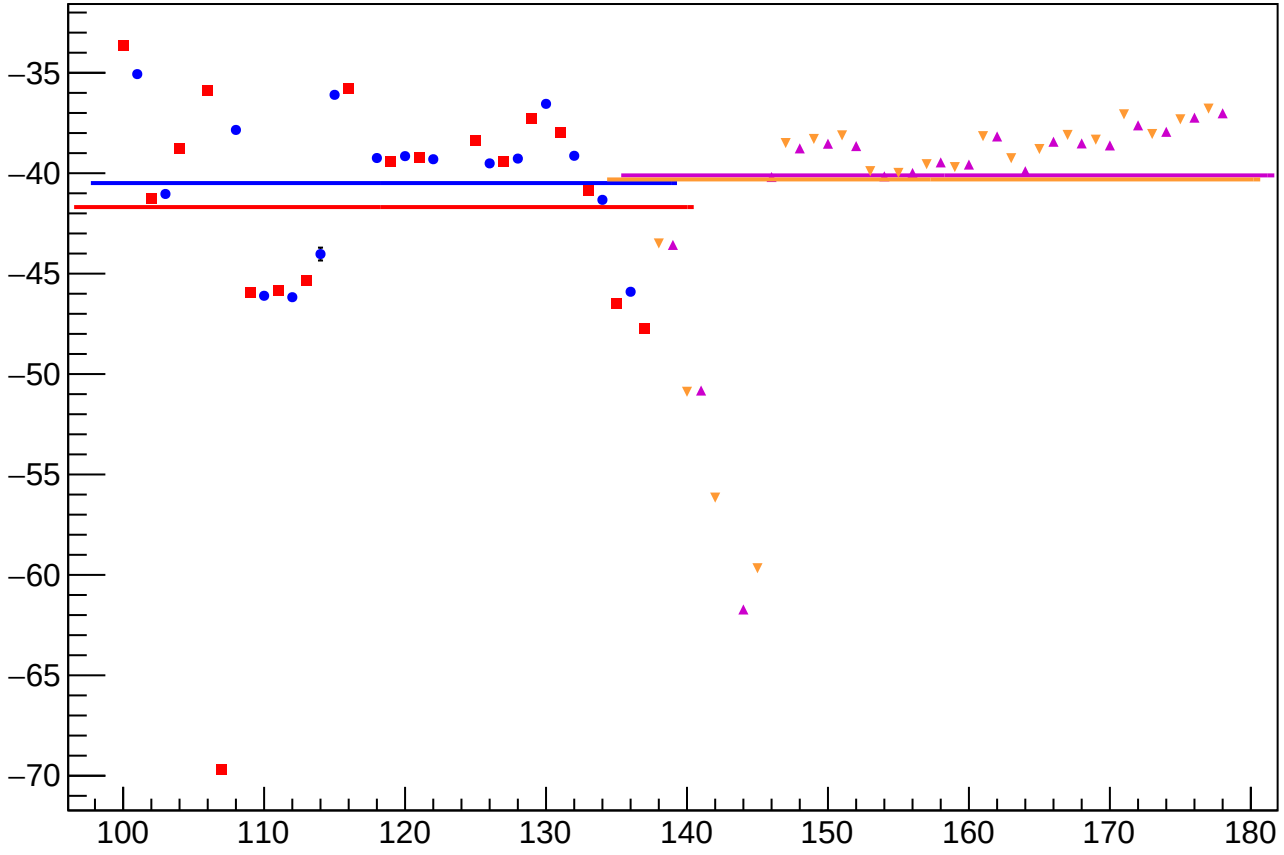
Left In: 17.231+/-0.317 χ^2/NDF:513.0/19

+ sign 13.849+/-0.267 χ^2/NDF: 1362.2/35

All: 13.697+/-0.190 χ^2/NDF: 2778.2/73

- sign 13.543+/-0.269 χ^2/NDF: 1415.4/37

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -40.310+/-0.015 χ^2/NDF:119455.9/19

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

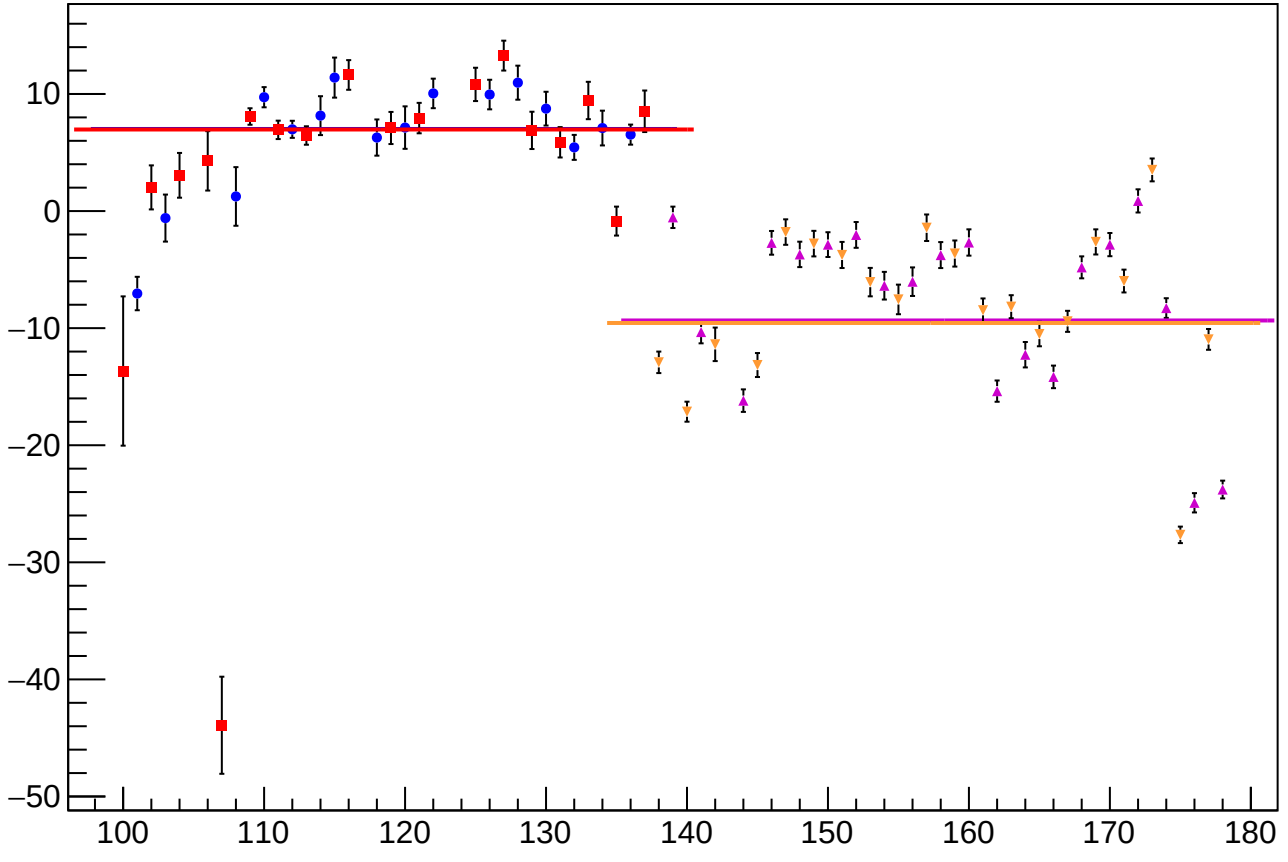
Left In: -40.108+/-0.014 χ^2/NDF:97504.7/19

+ sign -40.349+/-0.013 χ^2/NDF: 137613.4/35

All: -40.383+/-0.009 χ^2/NDF: 274310.5/73

- sign -40.416+/-0.013 χ^2/NDF: 136683.7/37

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -9.558+/-0.225 χ^2/NDF:1214.7/19

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

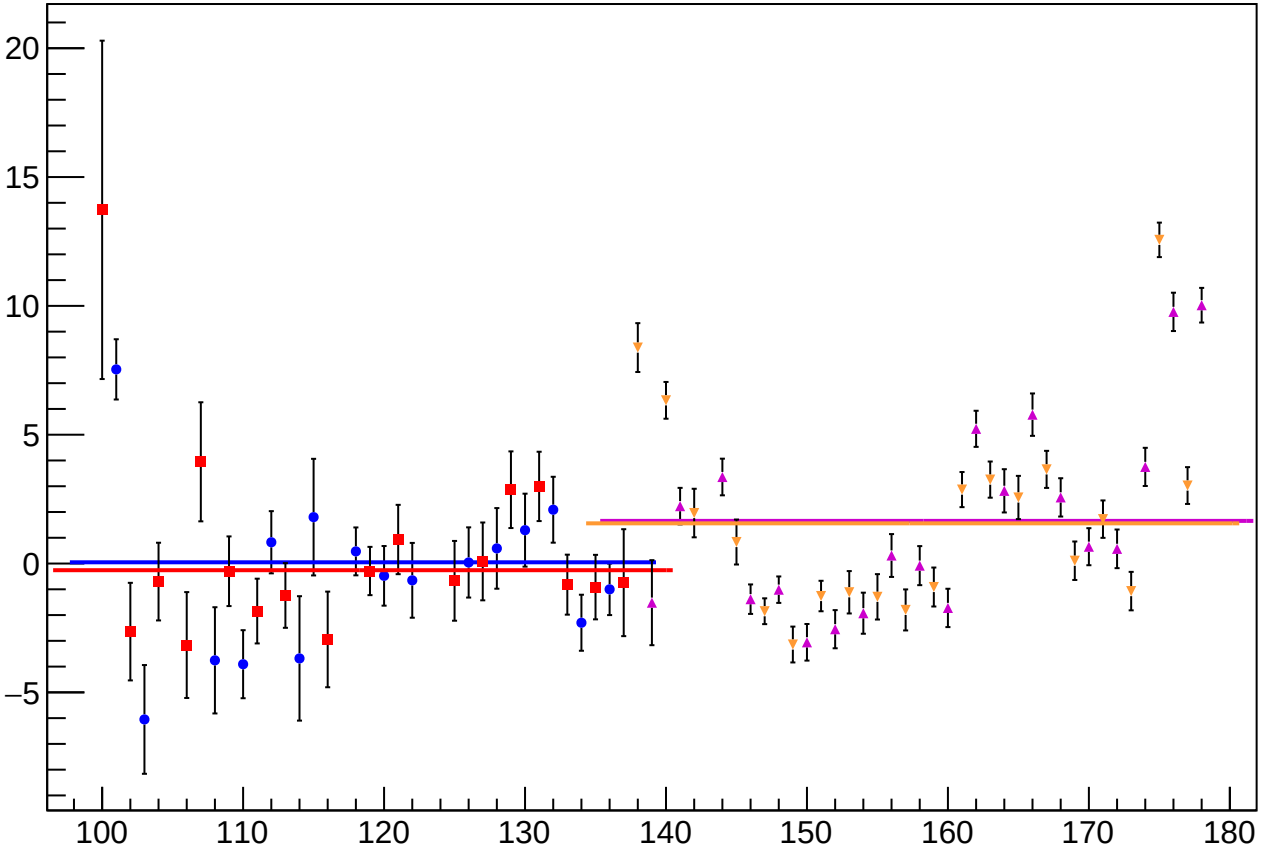
Left In: -9.344+/-0.219 χ^2/NDF:1339.9/19

\+ sign -3.831+/-0.182 χ^2/NDF: 3249.4/35

All: -3.724+/-0.127 χ^2/NDF: 6798.7/73

\- sign -3.623+/-0.177 χ^2/NDF: 3548.7/37

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 0.048+/-0.331 χ^2/NDF: 75.0/15

Left Out: 1.560+/-0.163 χ^2/NDF:572.0/19

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

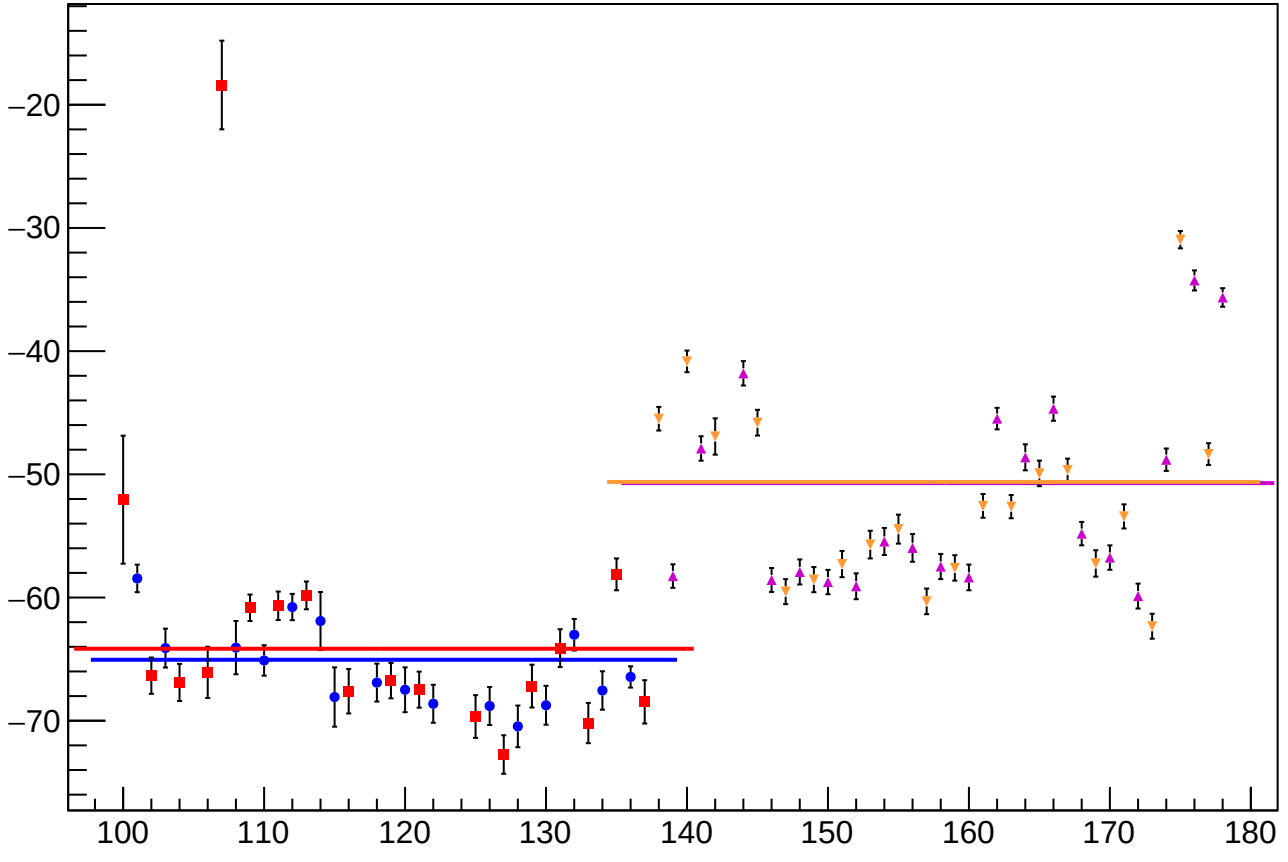
Left In: 1.655+/-0.163 χ^2/NDF:530.7/19

\+ sign 1.266+/-0.146 χ^2/NDF: 663.8/35

All: 1.286+/-0.104 χ^2/NDF: 1247.3/73

\- sign 1.307+/-0.147 χ^2/NDF: 583.5/37

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -65.051+/-0.354 χ^2/NDF: 92.8/15

Left Out: -50.616+/-0.221 χ^2/NDF:1500.3/19

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

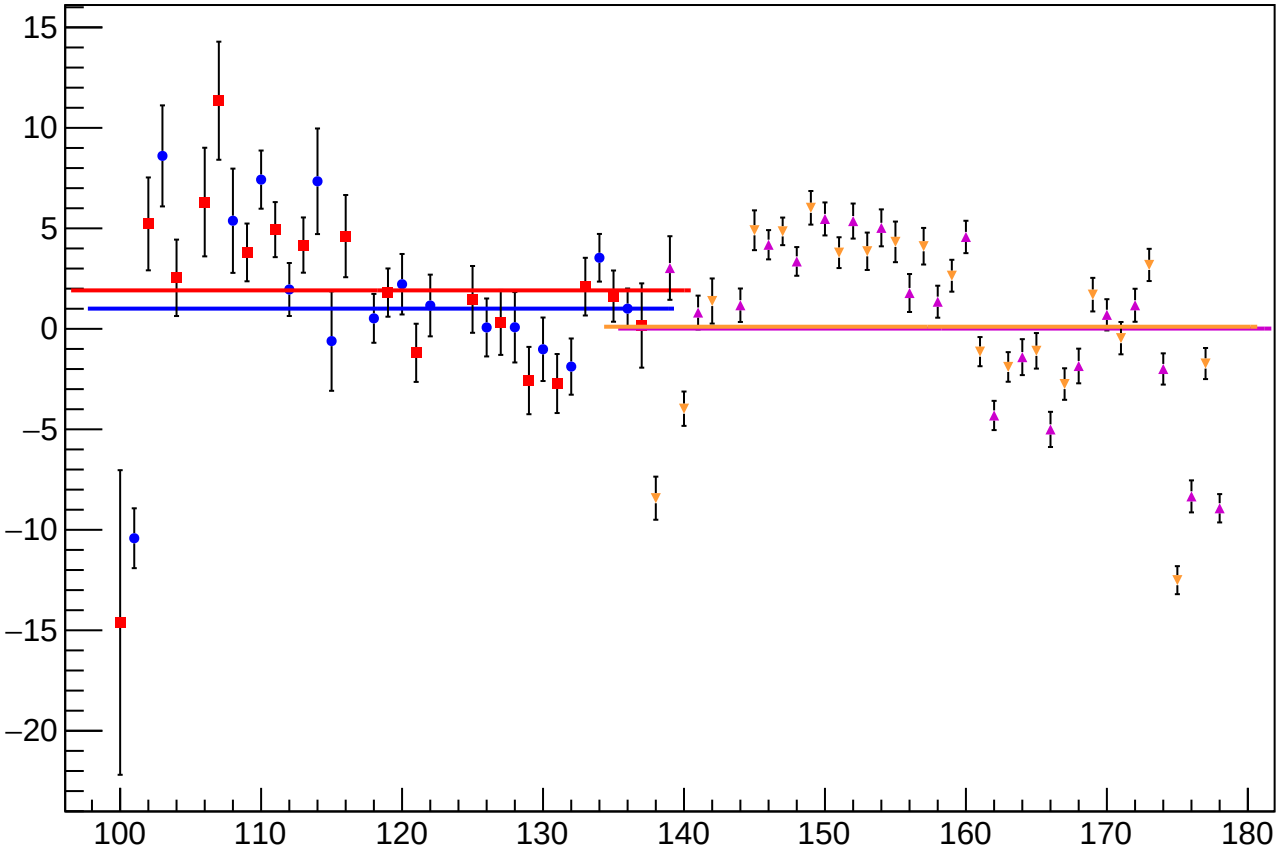
Left In: -50.711+/-0.216 χ^2/NDF:1565.7/19

+ sign -54.669+/-0.188 χ^2/NDF: 2789.1/35

All: -54.464+/-0.132 χ^2/NDF: 5684.4/73

- sign -54.264+/-0.185 χ^2/NDF: 2893.0/37

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 1.006+/-0.376 χ^2/NDF: 109.2/15

Left Out: 0.106+/-0.185 χ^2/NDF:672.3/19

Right Out: 1.914+/-0.390 χ^2/NDF: 54.5/17

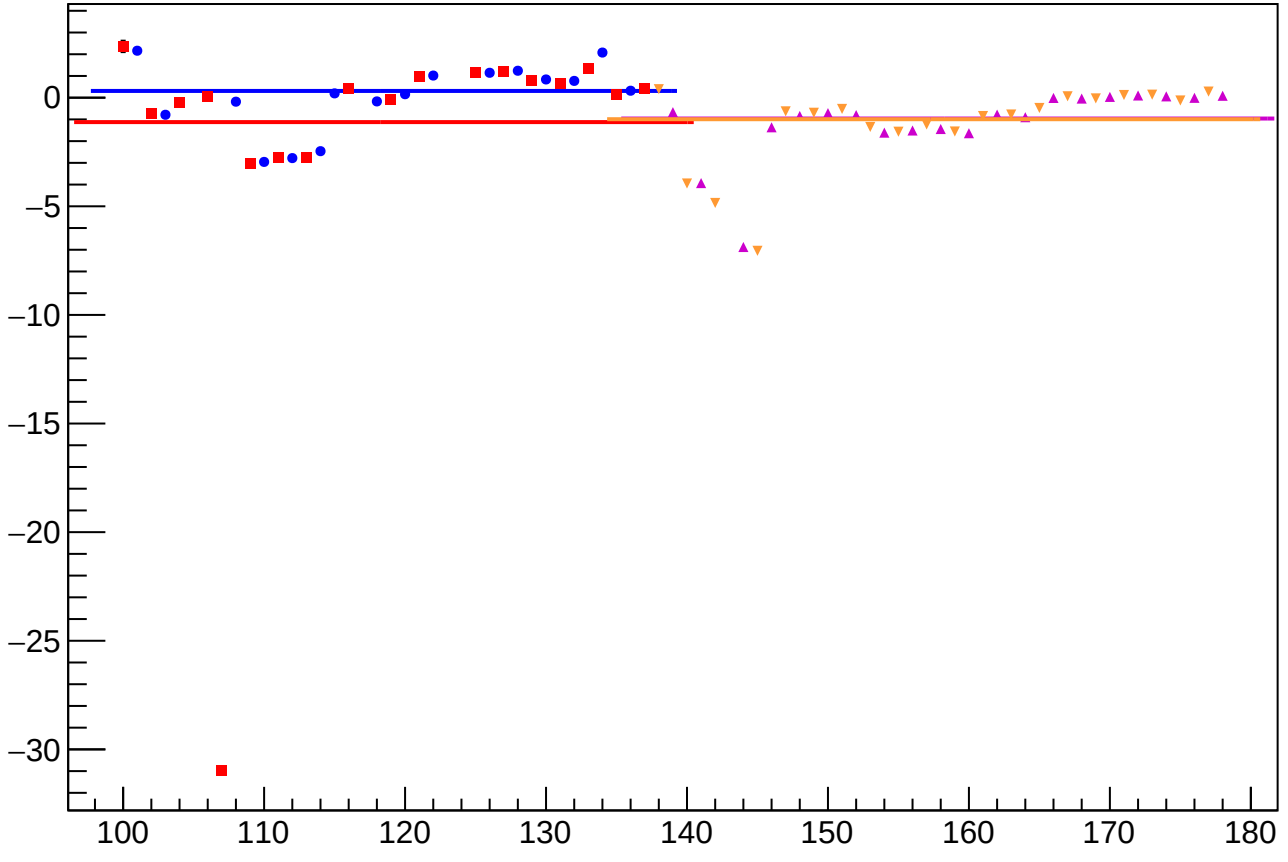
Left In: 0.014+/-0.184 χ^2/NDF:566.5/19

+ sign 0.282+/-0.166 χ^2/NDF: 786.1/35

All: 0.321+/-0.118 χ^2/NDF: 1426.6/73

- sign 0.360+/-0.166 χ^2/NDF: 640.4/37

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: -0.991+/-0.008 χ^2/NDF:39897.0/19

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

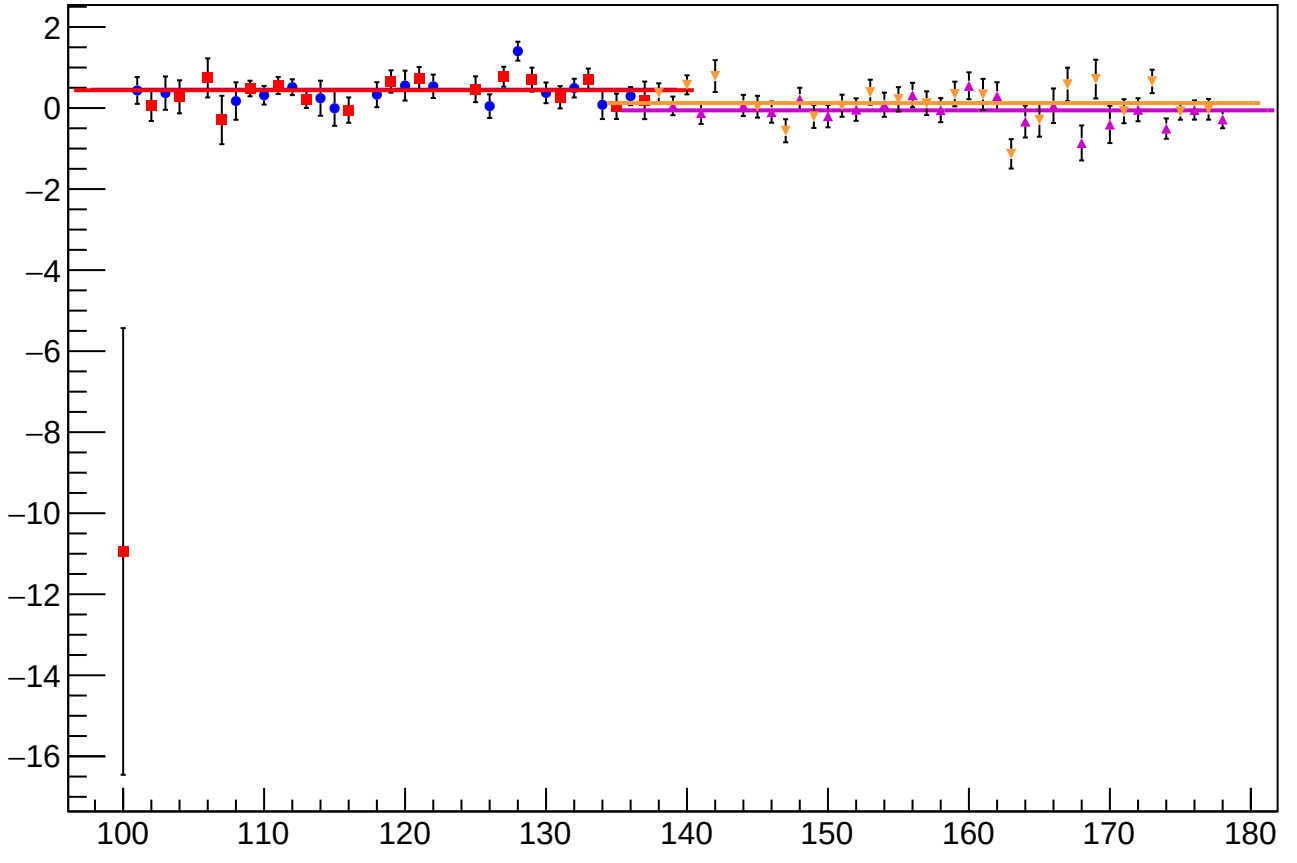
Left In: -0.960+/-0.008 χ^2/NDF:30532.5/19

+ sign -0.815+/-0.008 χ^2/NDF: 48045.9/35

All: -0.898+/-0.005 χ^2/NDF: 125202.9/73

- sign -0.979+/-0.008 χ^2/NDF: 76928.4/37

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.123+/-0.066 χ^2/NDF:37.6/19

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

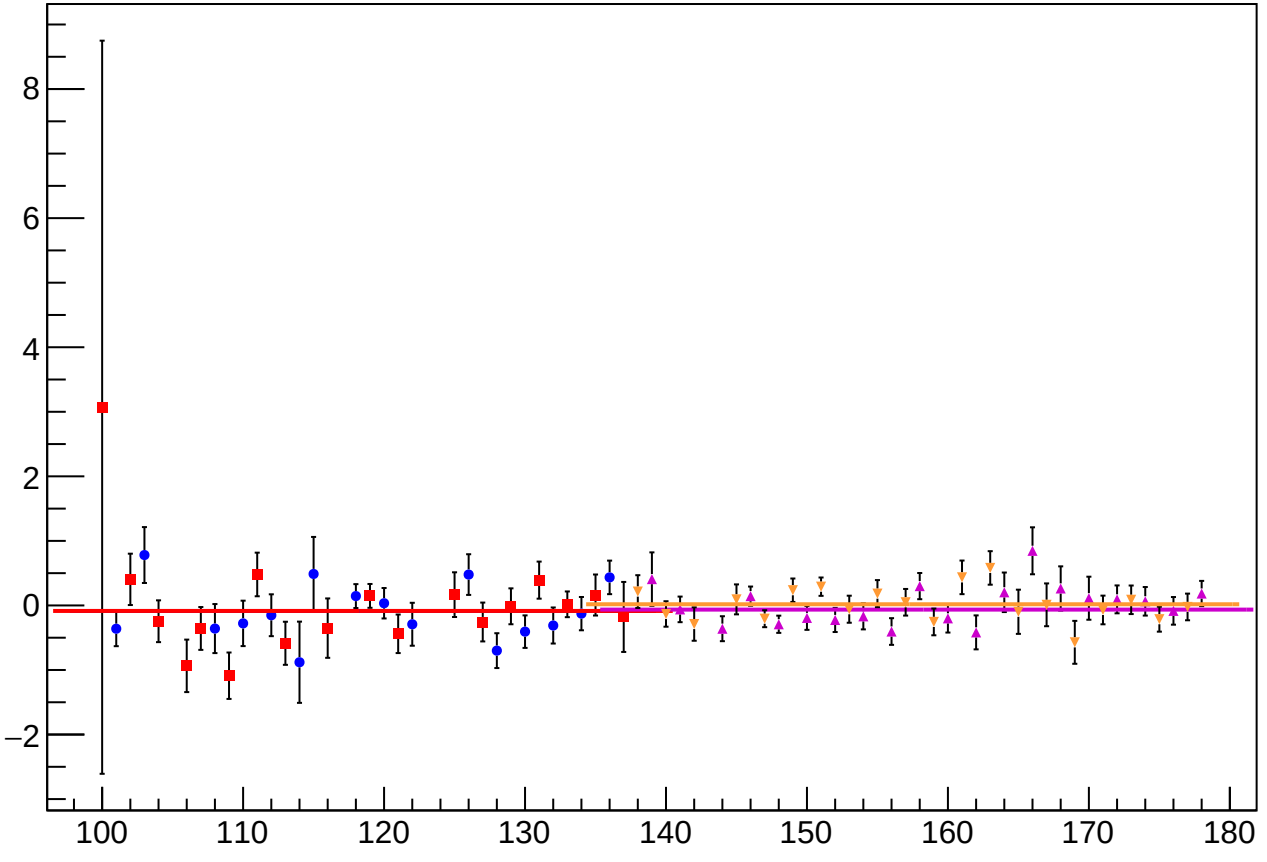
Left In: -0.057+/-0.064 χ^2/NDF:16.8/19

+ sign 0.274+/-0.048 χ^2/NDF: 71.8/35

All: 0.222+/-0.034 χ^2/NDF: 136.8/73

- sign 0.172+/-0.047 χ^2/NDF: 62.8/37

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: 0.018+/-0.047 χ^2/NDF:25.5/19

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

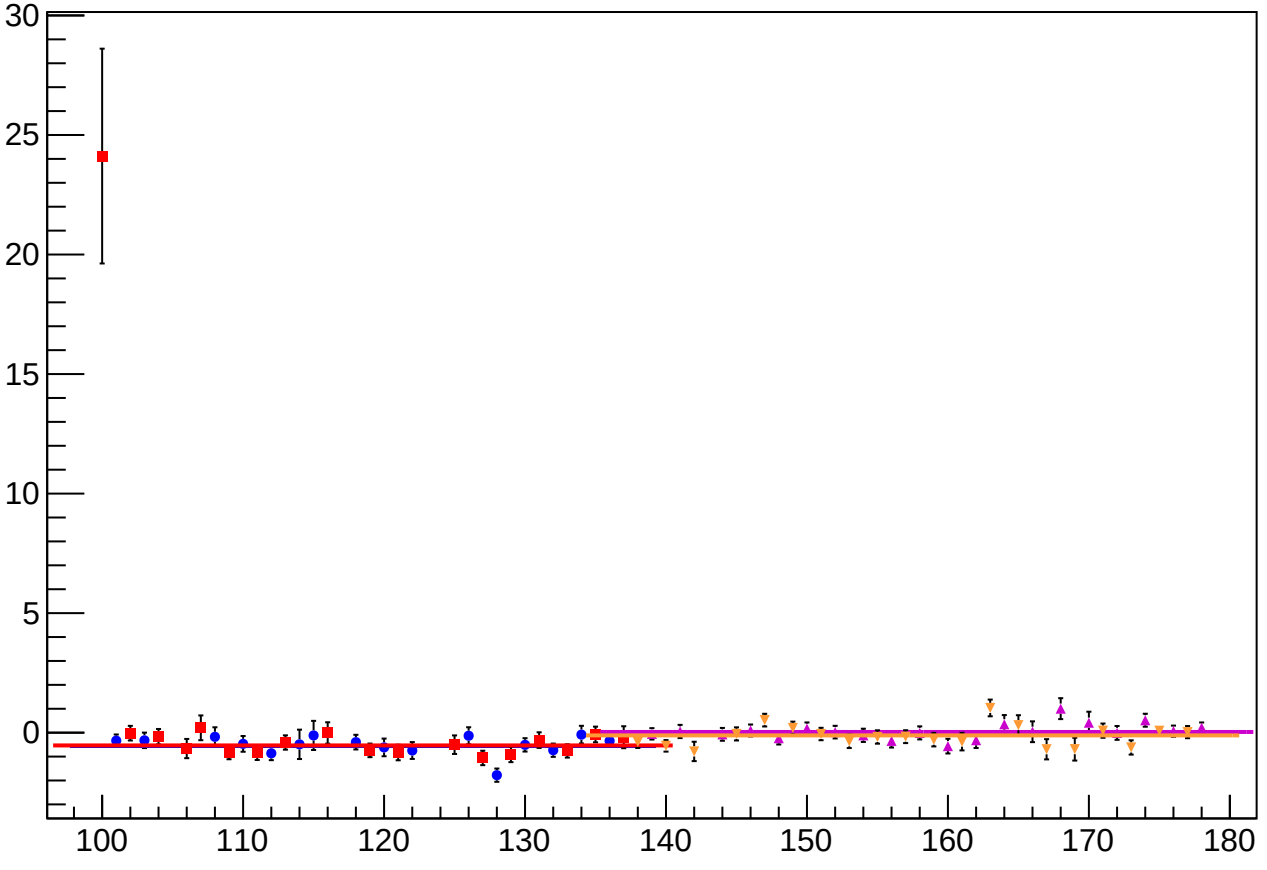
Left In: -0.065+/-0.047 χ^2/NDF:28.8/19

+ sign -0.012+/-0.040 χ^2/NDF: 52.3/35

All: -0.041+/-0.028 χ^2/NDF: 110.2/73

- sign -0.071+/-0.040 χ^2/NDF: 56.8/37

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.558+/-0.080 χ^2/NDF: 28.3/15

Left Out: -0.114+/-0.064 χ^2/NDF:35.9/19

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

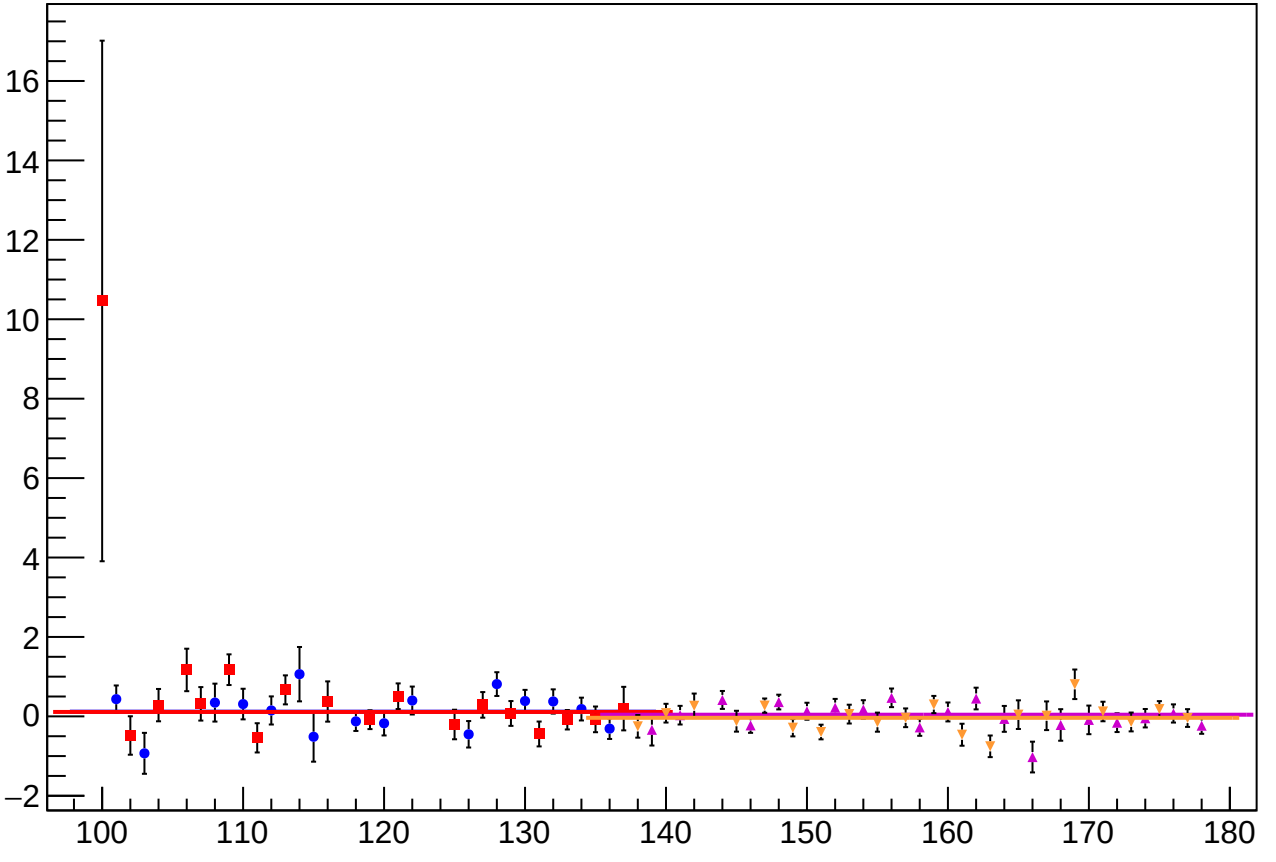
Left In: 0.029+/-0.063 χ^2/NDF:18.8/19

+ sign -0.290+/-0.050 χ^2/NDF: 83.0/35

All: -0.237+/-0.035 χ^2/NDF: 183.4/73

- sign -0.185+/-0.050 χ^2/NDF: 98.1/37

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.118+/-0.084 χ^2/NDF: 23.6/15

Left Out: -0.036+/-0.054 χ^2/NDF:28.9/19

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

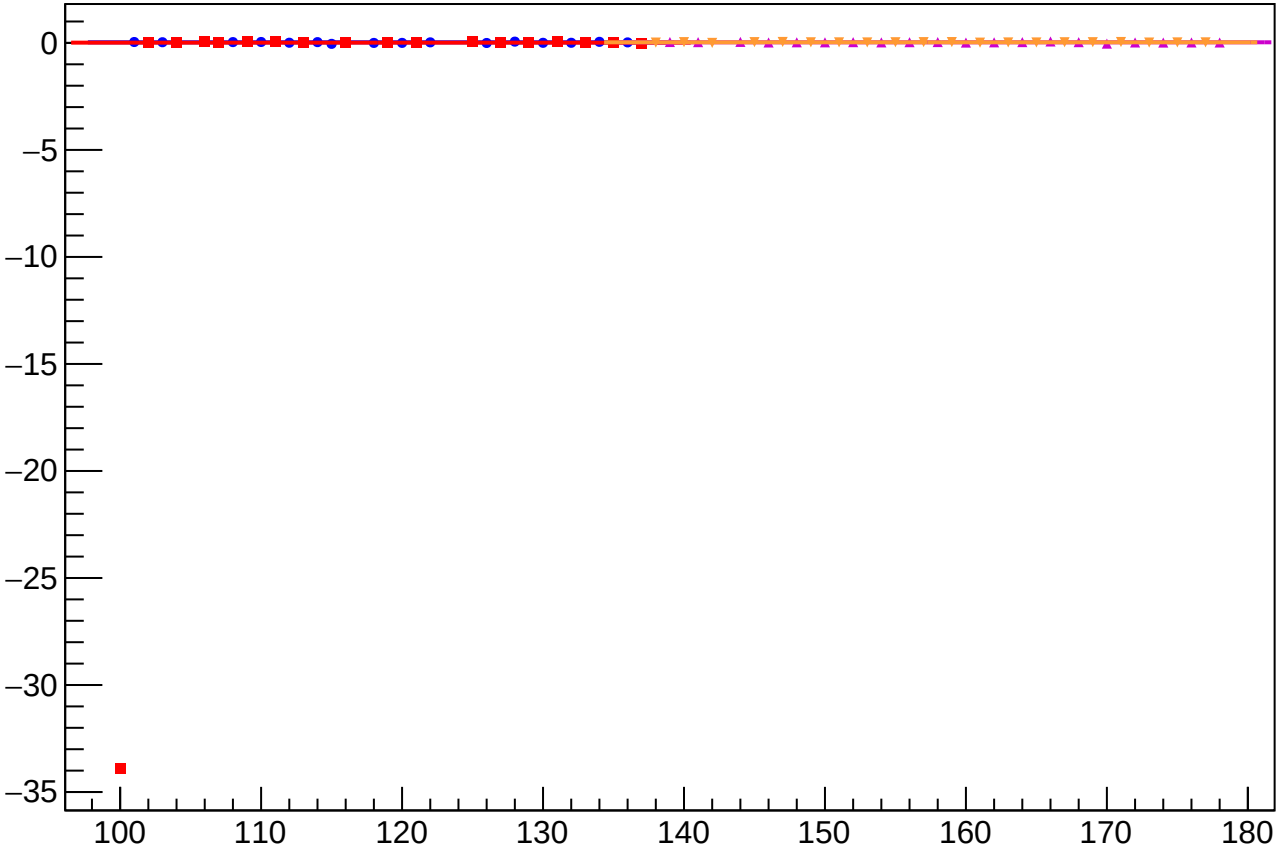
Left In: 0.041+/-0.054 χ^2/NDF:28.5/19

+ sign 0.009+/-0.046 χ^2/NDF: 54.9/35

All: 0.035+/-0.032 χ^2/NDF: 113.6/73

- sign 0.062+/-0.046 χ^2/NDF: 58.0/37

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.027+/-0.005 χ^2/NDF: 14.7/15

Left Out: 0.028+/-0.002 χ^2/NDF:15.1/19

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

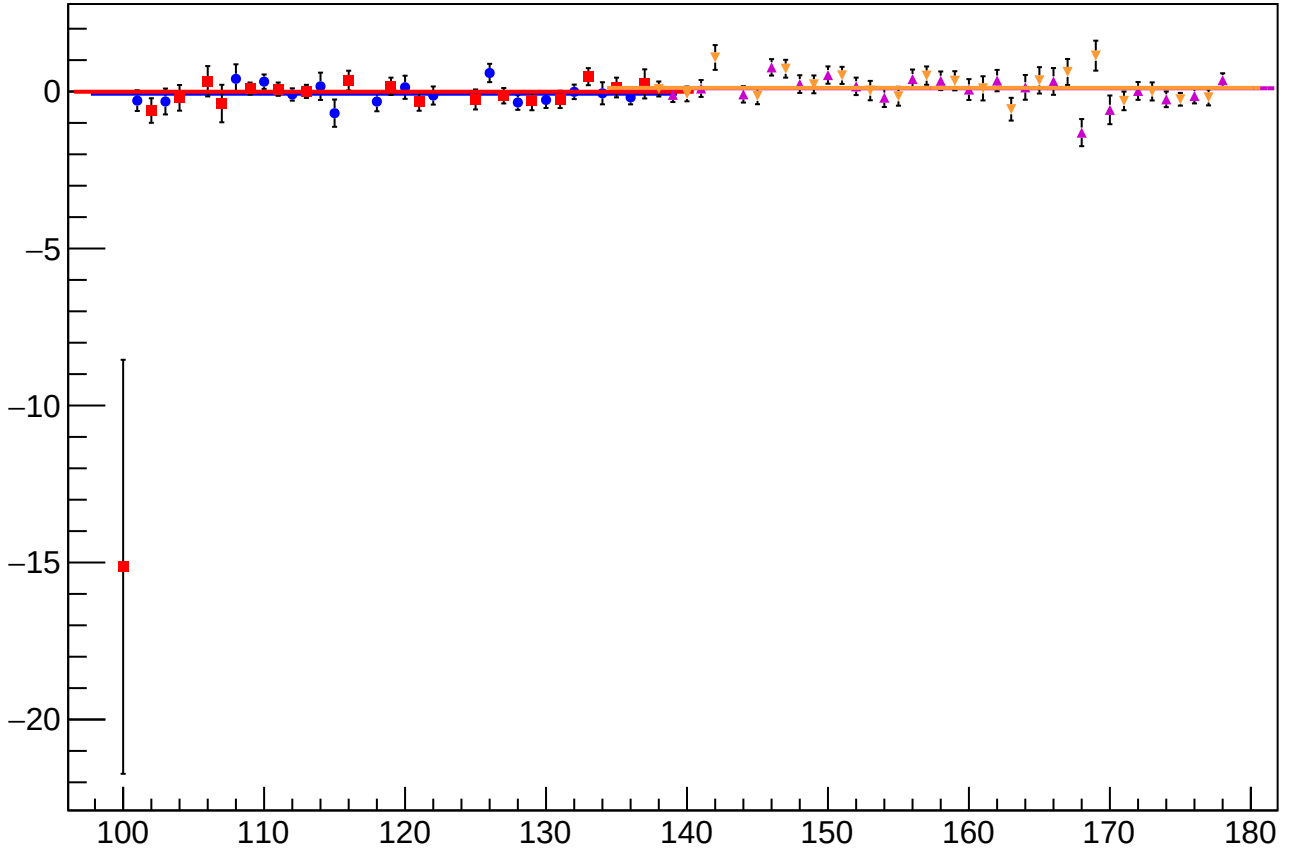
Left In: 0.028+/-0.002 χ^2/NDF:34.1/19

+ sign 0.028+/-0.002 χ^2/NDF: 29.8/35

All: 0.026+/-0.002 χ^2/NDF: 22335.9/73

- sign 0.025+/-0.002 χ^2/NDF: 22305.4/37

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.116+/-0.066 χ^2/NDF:34.4/19

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

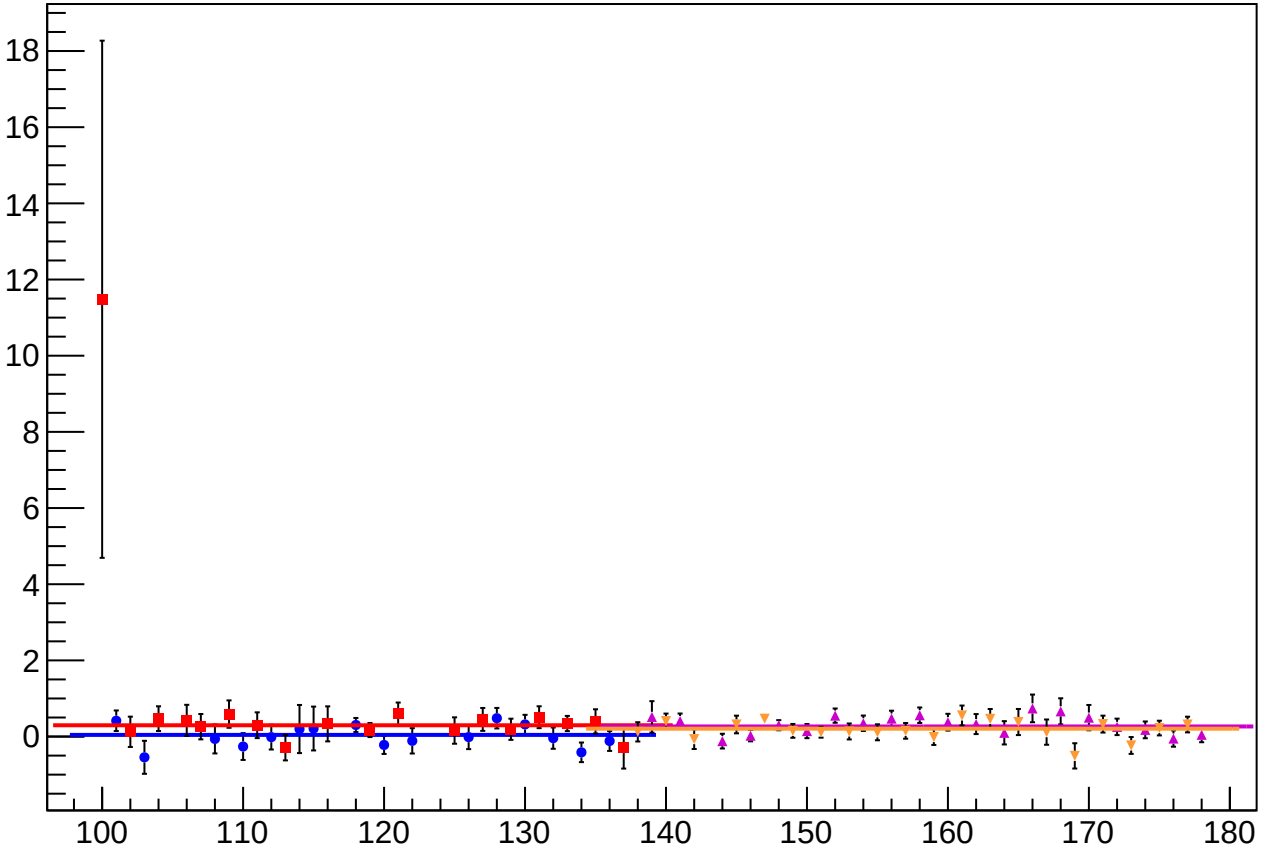
Left In: 0.103+/-0.064 χ^2/NDF:31.3/19

+ sign 0.031+/-0.048 χ^2/NDF: 53.6/35

All: 0.042+/-0.034 χ^2/NDF: 104.5/73

- sign 0.052+/-0.047 χ^2/NDF: 50.8/37

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.207+/-0.047 χ^2/NDF:20.8/19

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

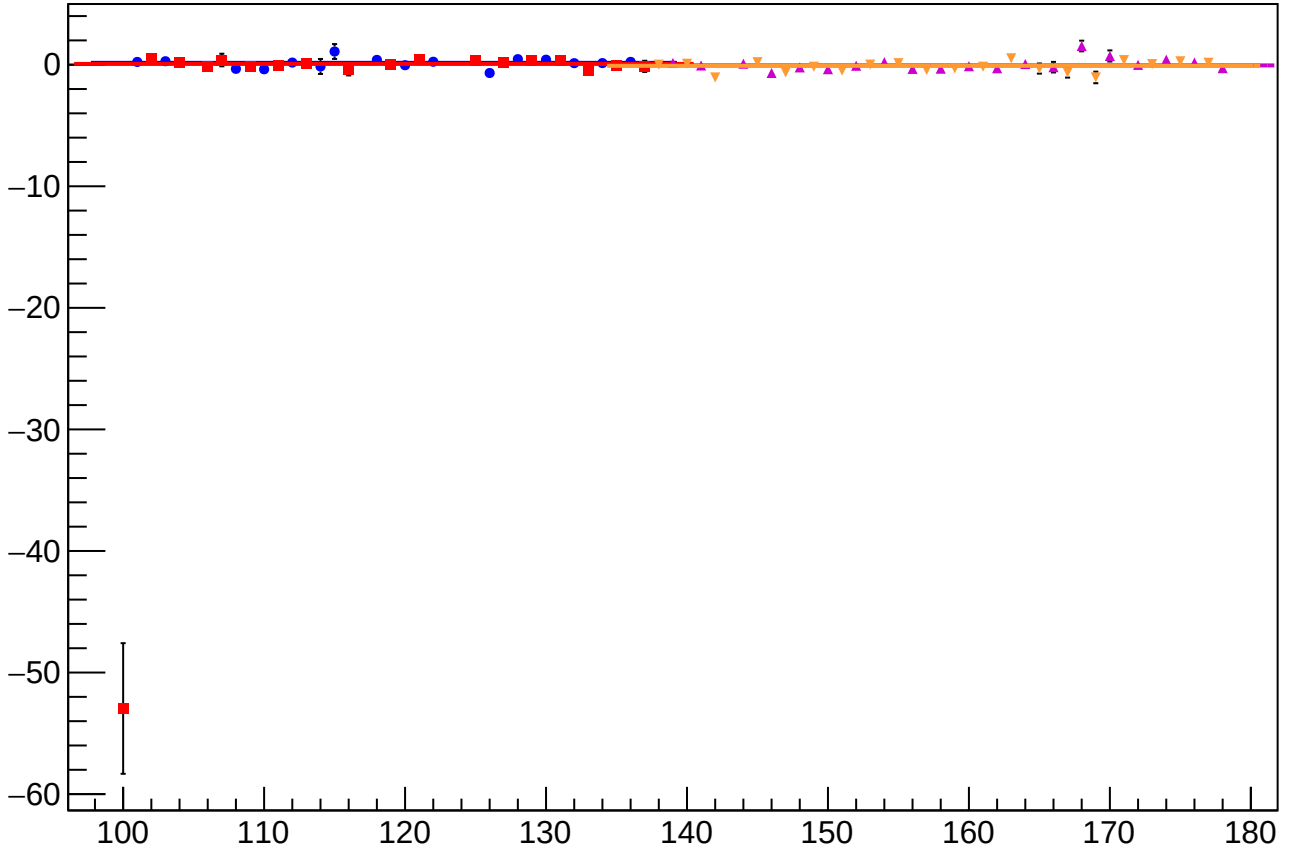
Left In: 0.265+/-0.047 χ^2/NDF:21.3/19

+ sign 0.159+/-0.040 χ^2/NDF: 40.0/35

All: 0.216+/-0.028 χ^2/NDF: 76.7/73

- sign 0.274+/-0.040 χ^2/NDF: 32.5/37

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.090+/-0.064 χ^2/NDF:33.1/19

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

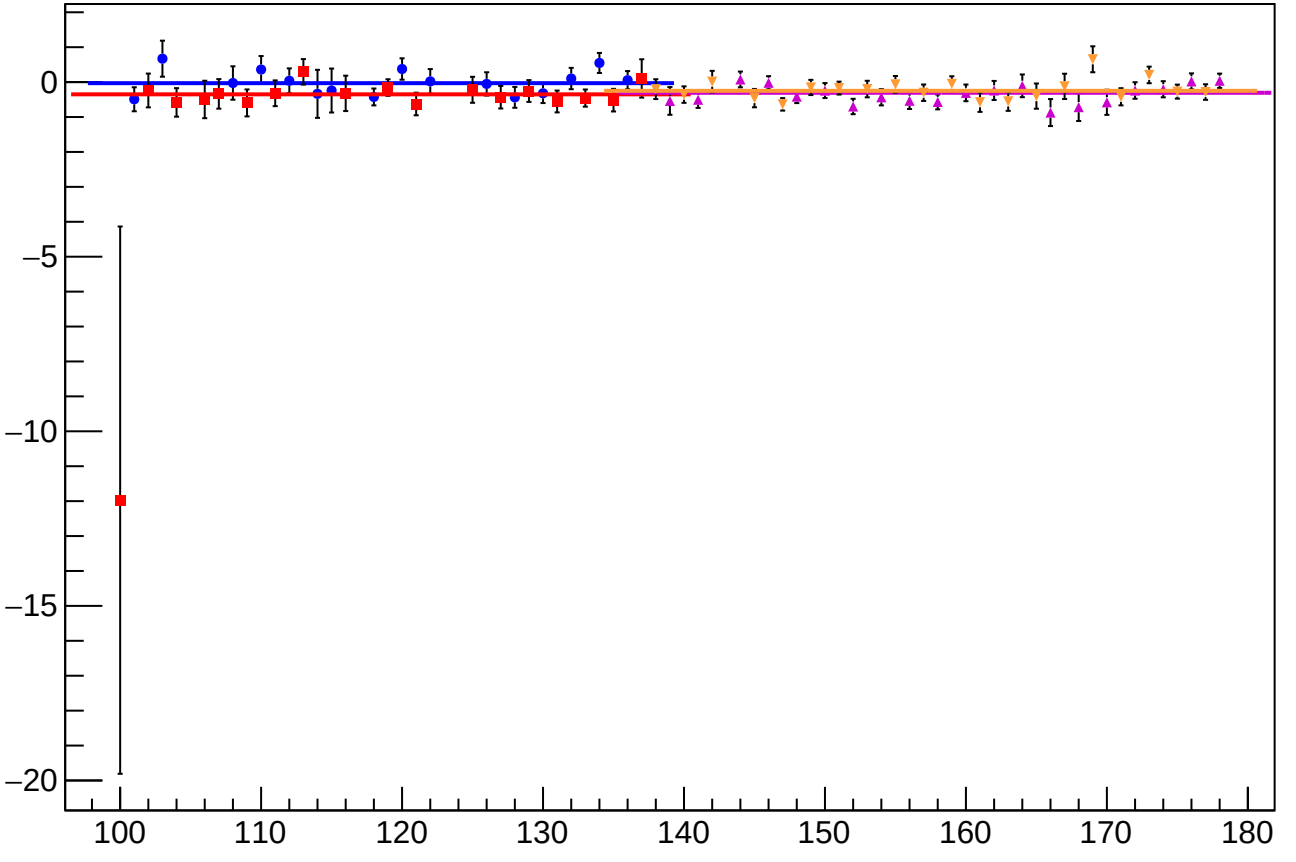
Left In: -0.057+/-0.063 χ^2/NDF:34.1/19

+ sign 0.006+/-0.050 χ^2/NDF: 54.3/35

All: -0.002+/-0.035 χ^2/NDF: 199.2/73

- sign -0.010+/-0.050 χ^2/NDF: 144.8/37

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.030+/-0.084 χ^2/NDF: 16.8/15

Left Out: -0.250+/-0.054 χ^2/NDF:21.2/19

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

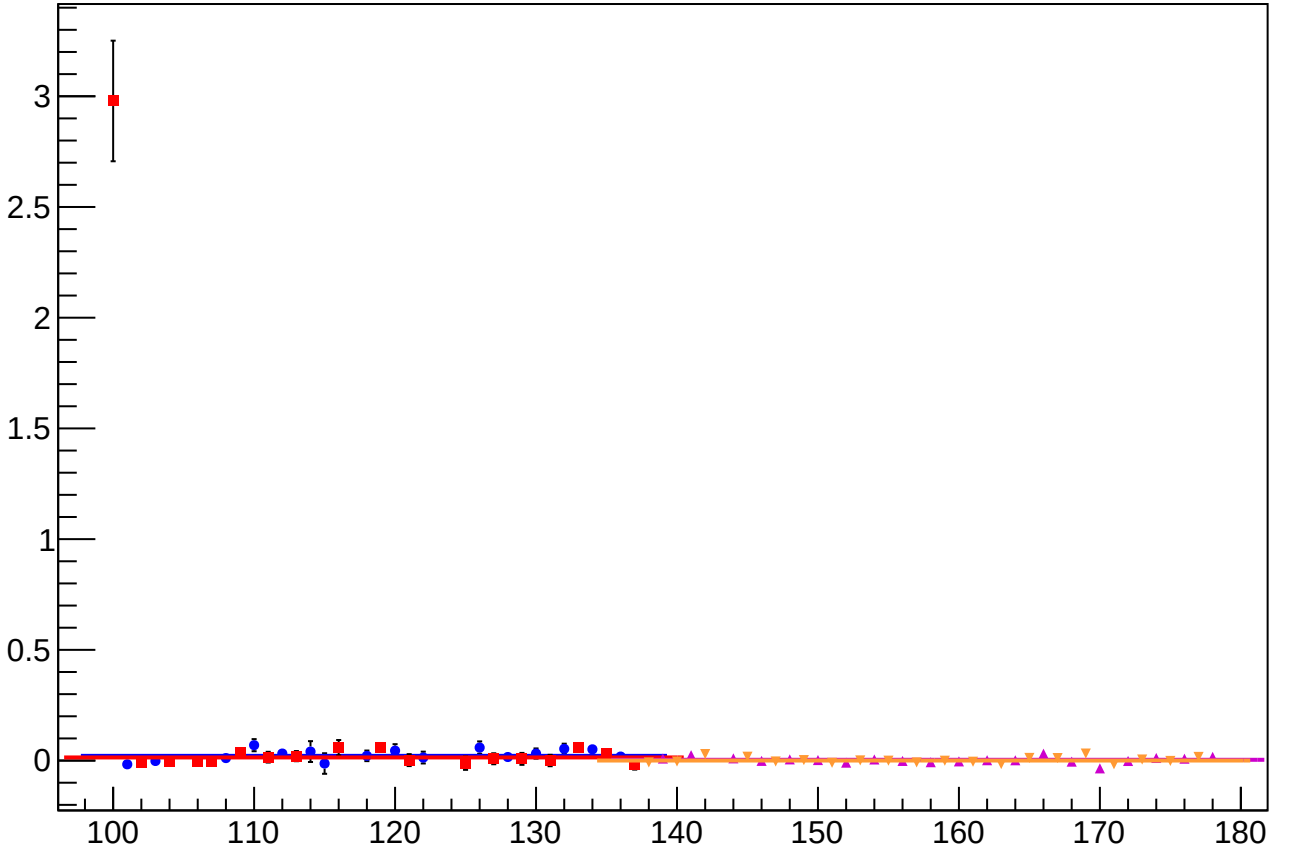
Left In: -0.306+/-0.054 χ^2/NDF:21.9/19

+ sign -0.185+/-0.046 χ^2/NDF: 42.8/35

All: -0.252+/-0.032 χ^2/NDF: 78.7/73

- sign -0.319+/-0.046 χ^2/NDF: 31.6/37

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+/-0.002 χ^2/NDF:21.3/19

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

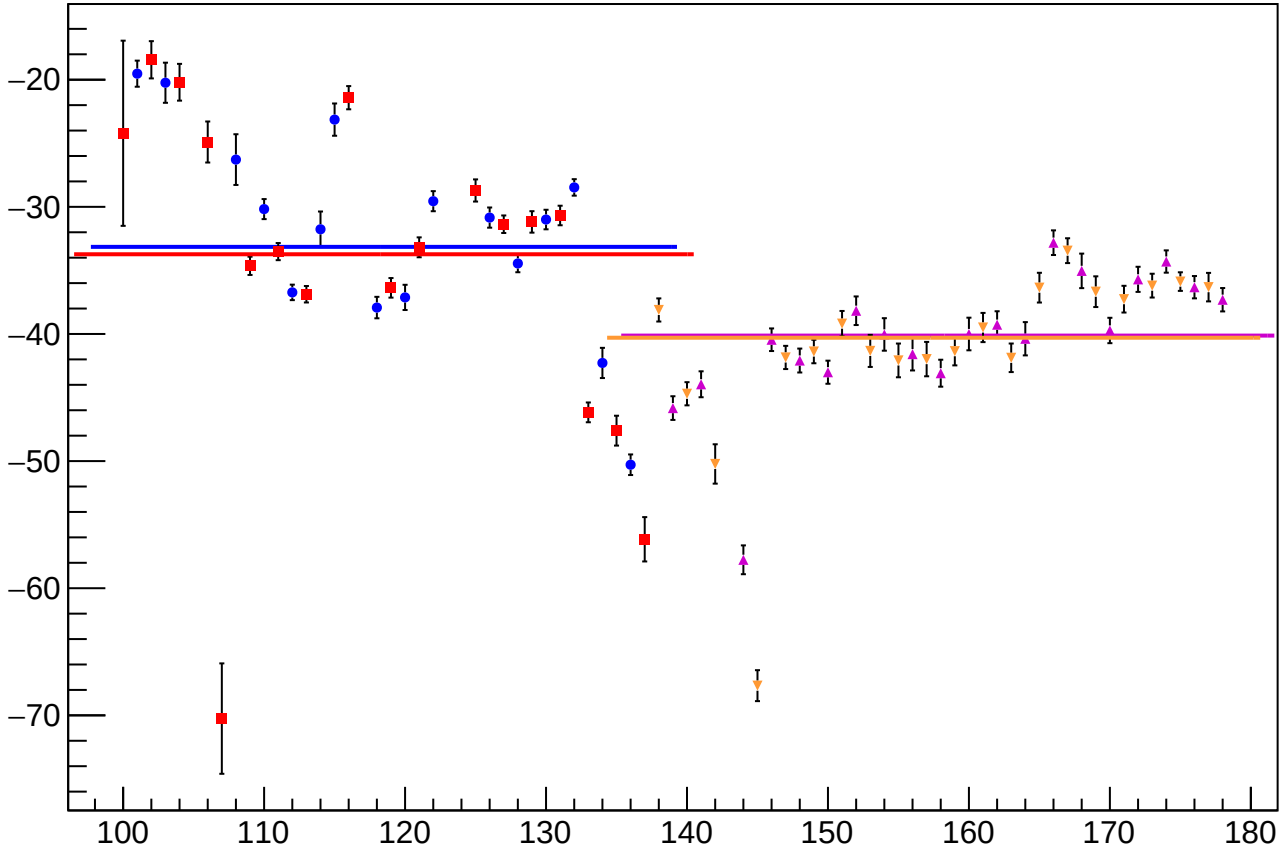
Left In: 0.004+/-0.002 χ^2/NDF:20.3/19

+ sign 0.005+/-0.002 χ^2/NDF: 59.0/35

All: 0.005+/-0.002 χ^2/NDF: 224.1/73

- sign 0.006+/-0.002 χ^2/NDF: 165.0/37

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -40.295+/-0.235 χ^2/NDF:734.6/19

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

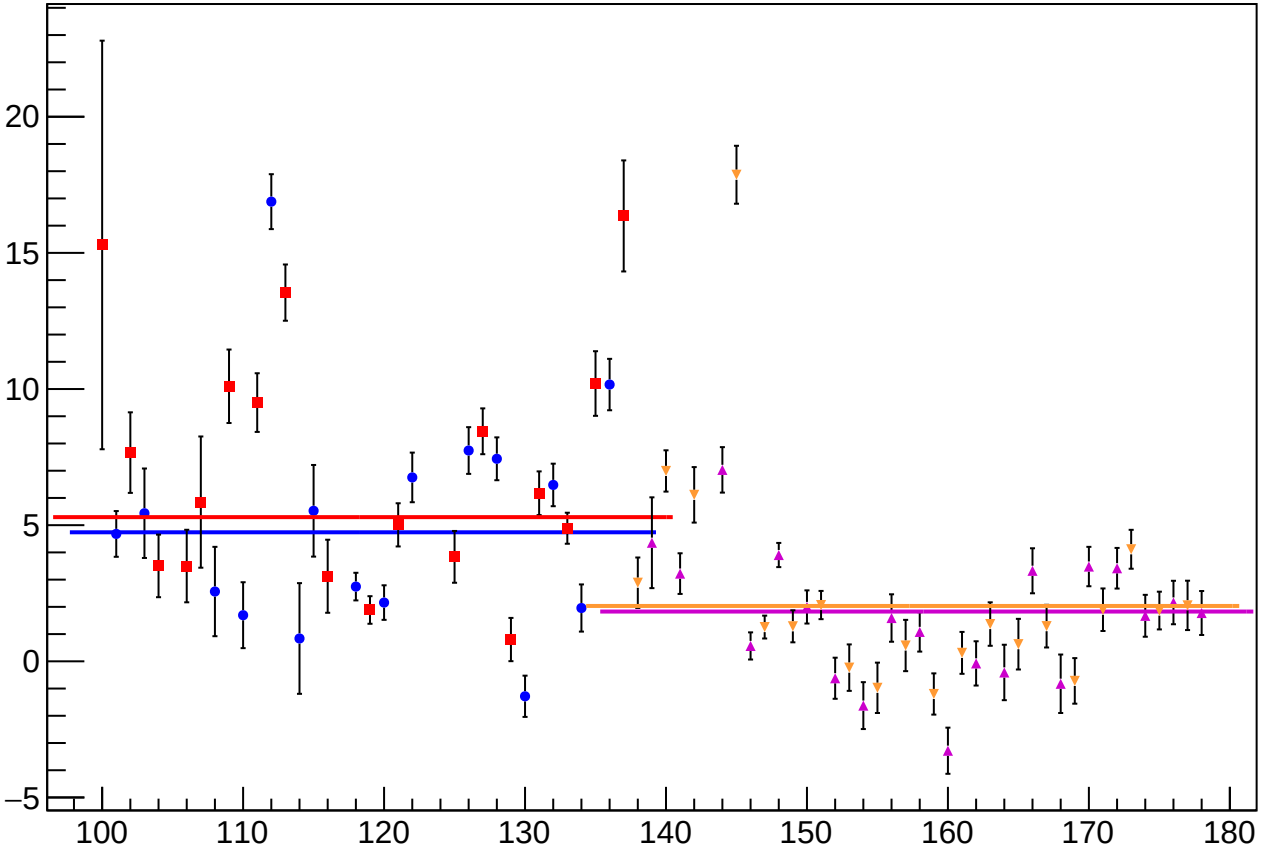
Left In: -40.128+/-0.230 χ^2/NDF:484.3/19

+ sign -36.458+/-0.160 χ^2/NDF: 2246.5/35

All: -36.587+/-0.112 χ^2/NDF: 4293.5/73

- sign -36.711+/-0.157 χ^2/NDF: 2045.8/37

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 2.033+/-0.165 χ^2/NDF:352.7/19

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

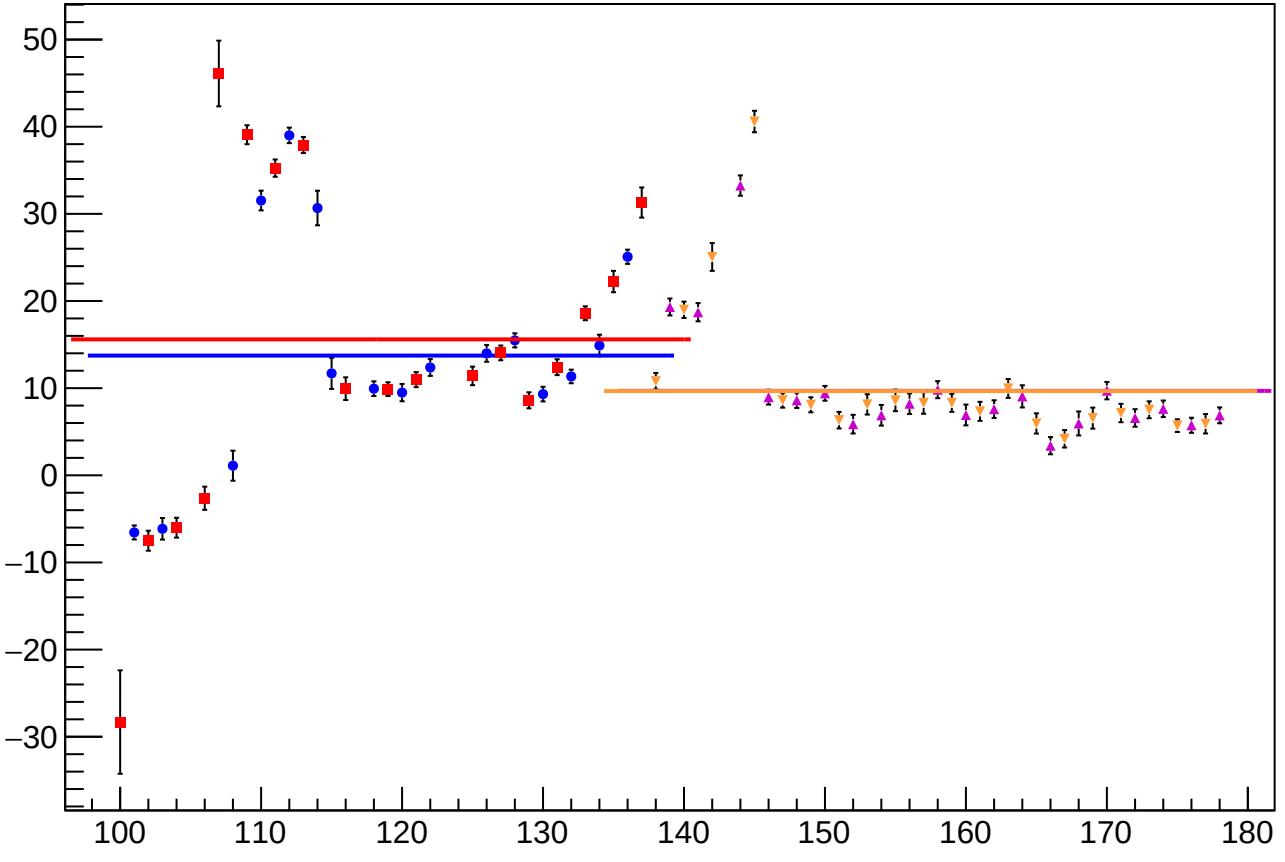
Left In: 1.828+/-0.166 χ^2/NDF:166.8/19

+ sign 3.010+/-0.132 χ^2/NDF: 779.5/35

All: 3.034+/-0.094 χ^2/NDF: 1346.9/73

- sign 3.059+/-0.133 χ^2/NDF: 567.3/37

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 9.666+/-0.230 χ^2/NDF:948.7/19

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

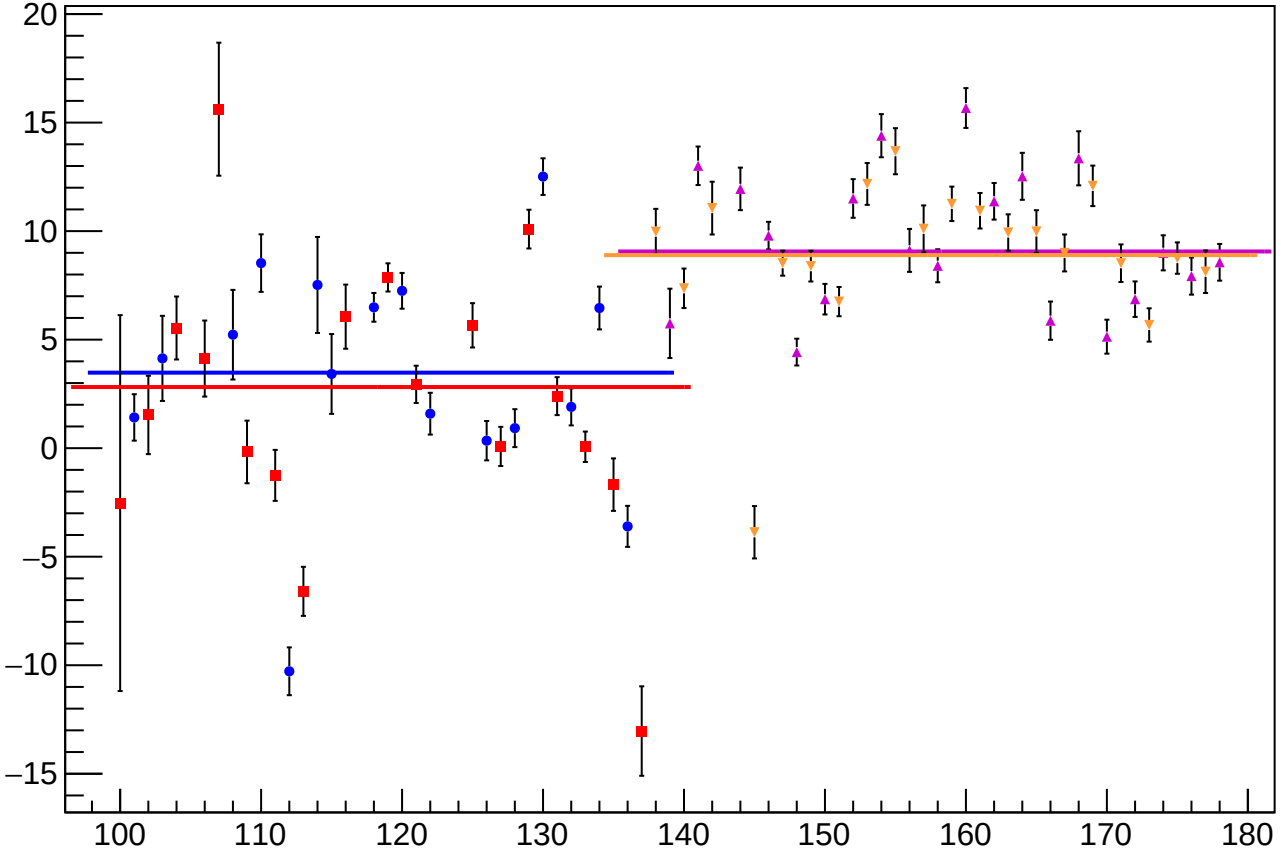
Left In: 9.690+/-0.226 χ^2/NDF:704.4/19

\+ sign 11.561+/-0.168 χ^2/NDF: 3444.2/35

All: 11.956+/-0.119 χ^2/NDF: 7293.2/73

\- sign 12.347+/-0.168 χ^2/NDF: 3838.0/37

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 8.894+/-0.190 χ^2/NDF:211.3/19

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

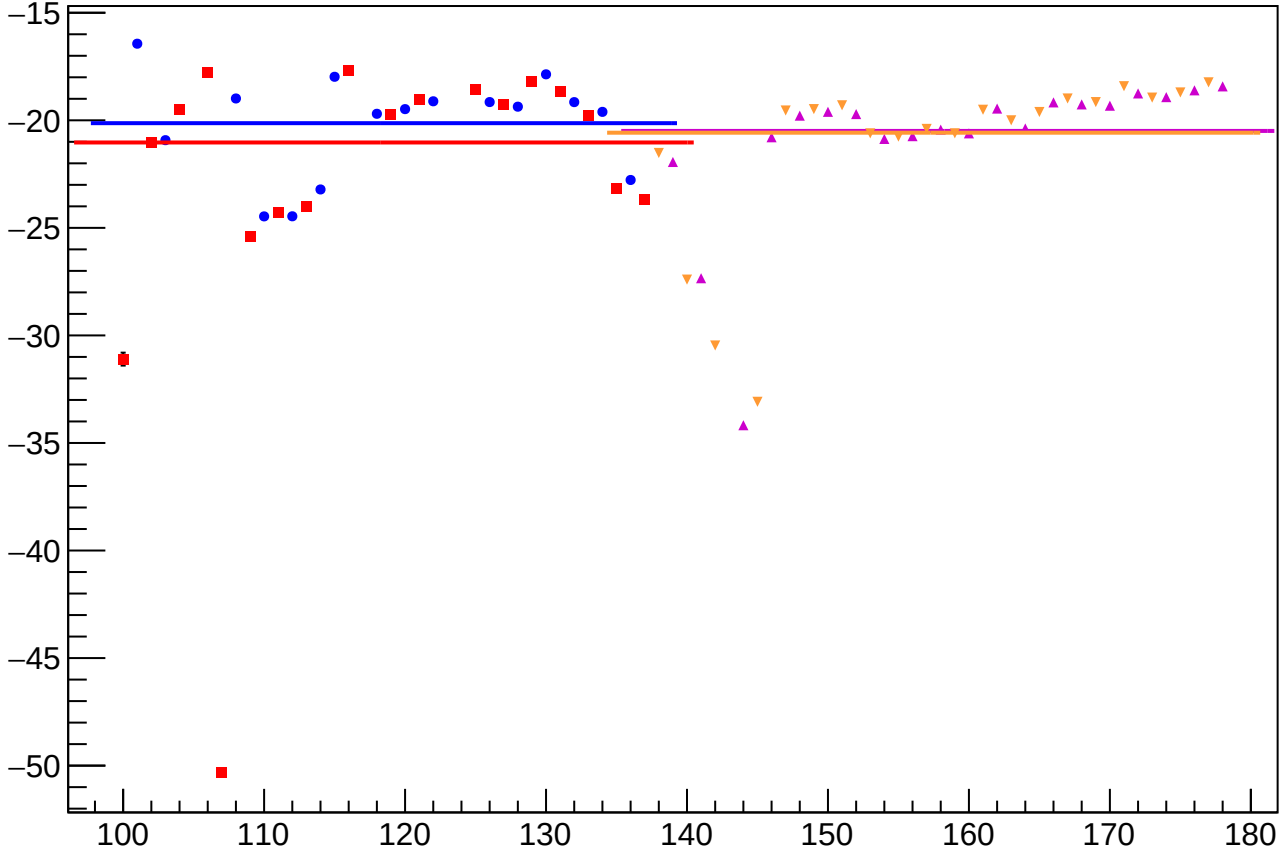
Left In: 9.063+/-0.190 χ^2/NDF:266.4/19

+ sign 6.942+/-0.152 χ^2/NDF: 930.3/35

All: 6.899+/-0.108 χ^2/NDF: 1923.2/73

- sign 6.855+/-0.153 χ^2/NDF: 992.8/37

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -20.133+/-0.016 χ^2/NDF: 19831.2/15

Left Out: -20.576+/-0.009 χ^2/NDF:136082.5/19

Right Out: -21.031+/-0.016 χ^2/NDF: 57523.6/17

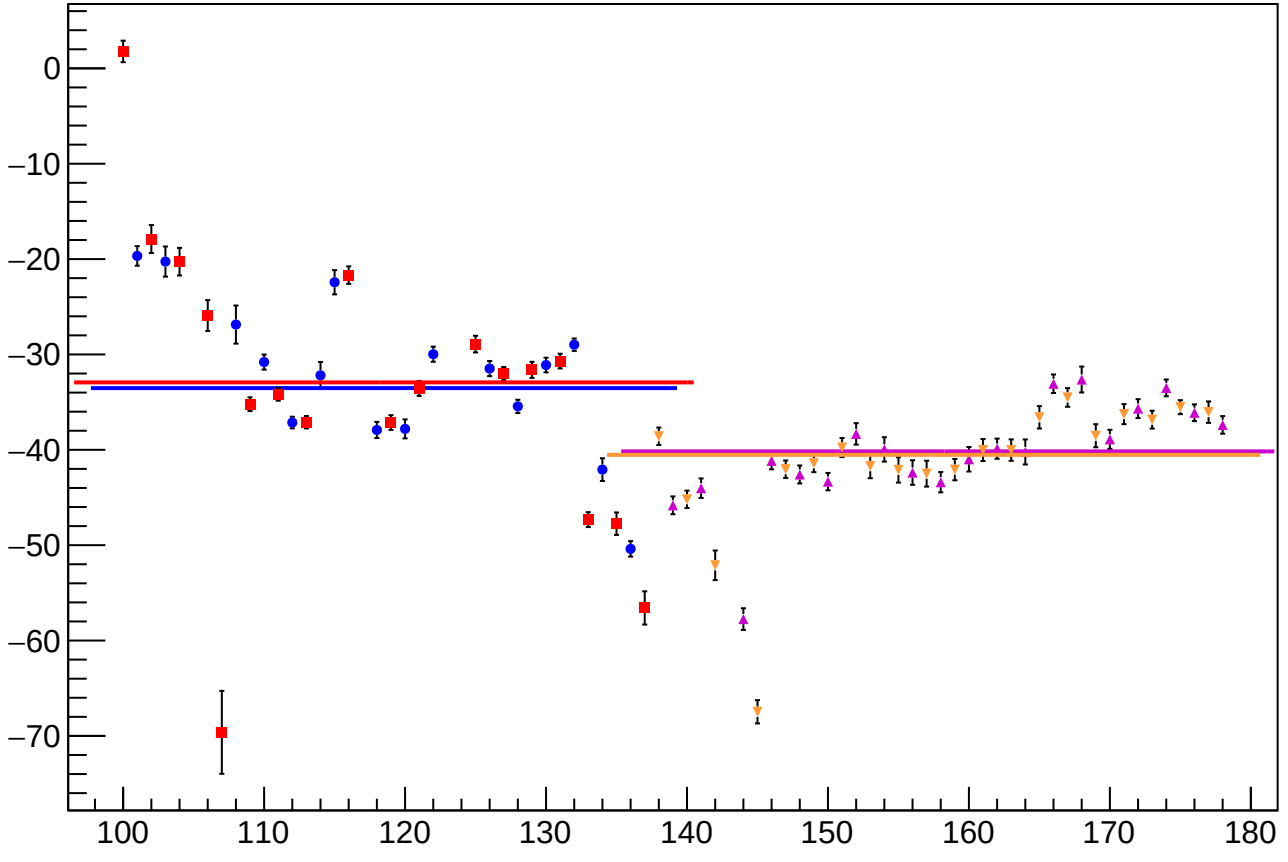
Left In: -20.494+/-0.009 χ^2/NDF:110841.1/19

+ sign -20.474+/-0.008 χ^2/NDF: 156502.0/35

All: -20.542+/-0.005 χ^2/NDF: 325859.0/73

- sign -20.608+/-0.008 χ^2/NDF: 169202.8/37

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -33.528+/-0.218 χ^2/NDF: 1008.7/15

Left Out: -40.526+/-0.235 χ^2/NDF:731.2/19

Right Out: -32.931+/-0.212 χ^2/NDF: 2170.0/17

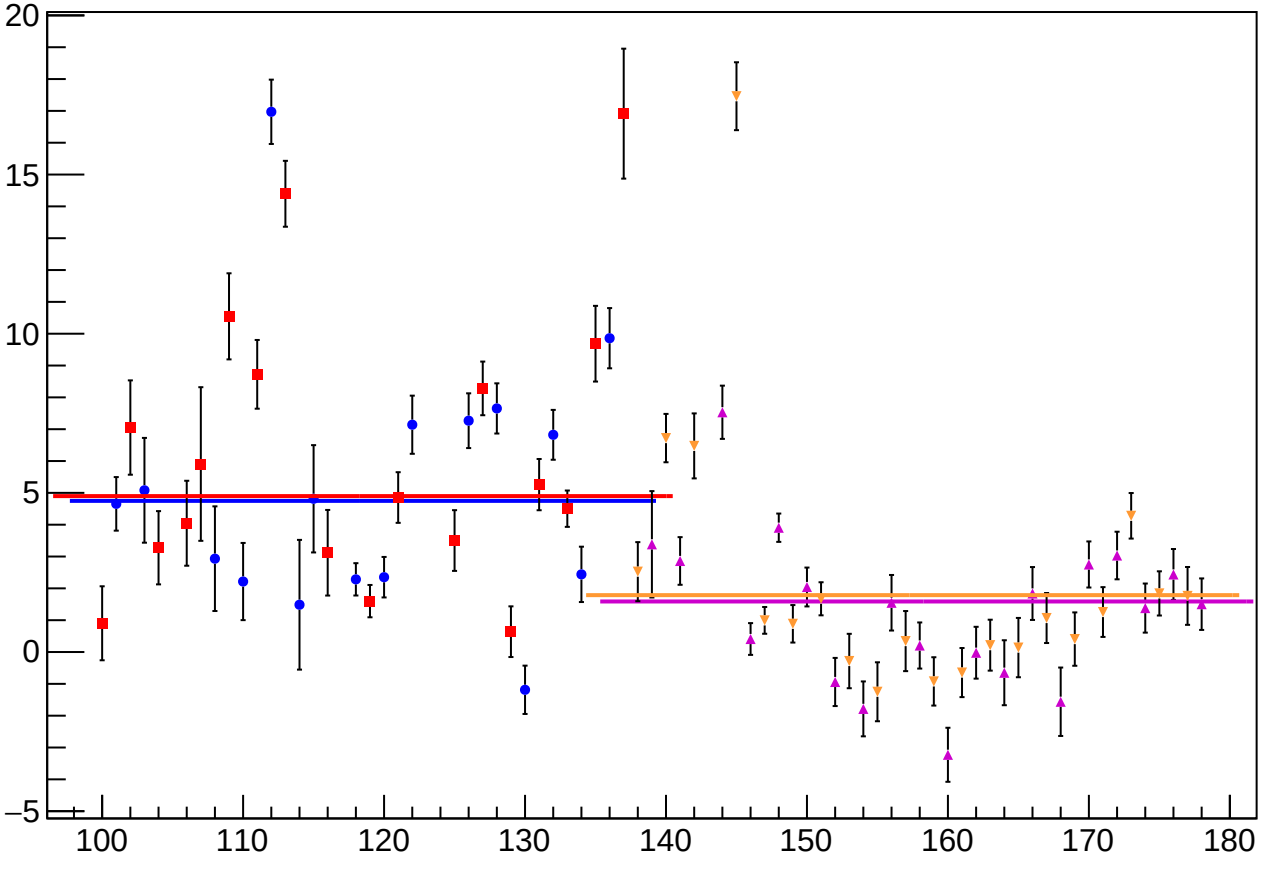
Left In: -40.166+/-0.230 χ^2/NDF:519.7/19

+ sign -36.770+/-0.160 χ^2/NDF: 2215.4/35

All: -36.498+/-0.112 χ^2/NDF: 5445.4/73

- sign -36.240+/-0.156 χ^2/NDF: 3224.4/37

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 1.787+/-0.165 χ^2/NDF:350.6/19

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

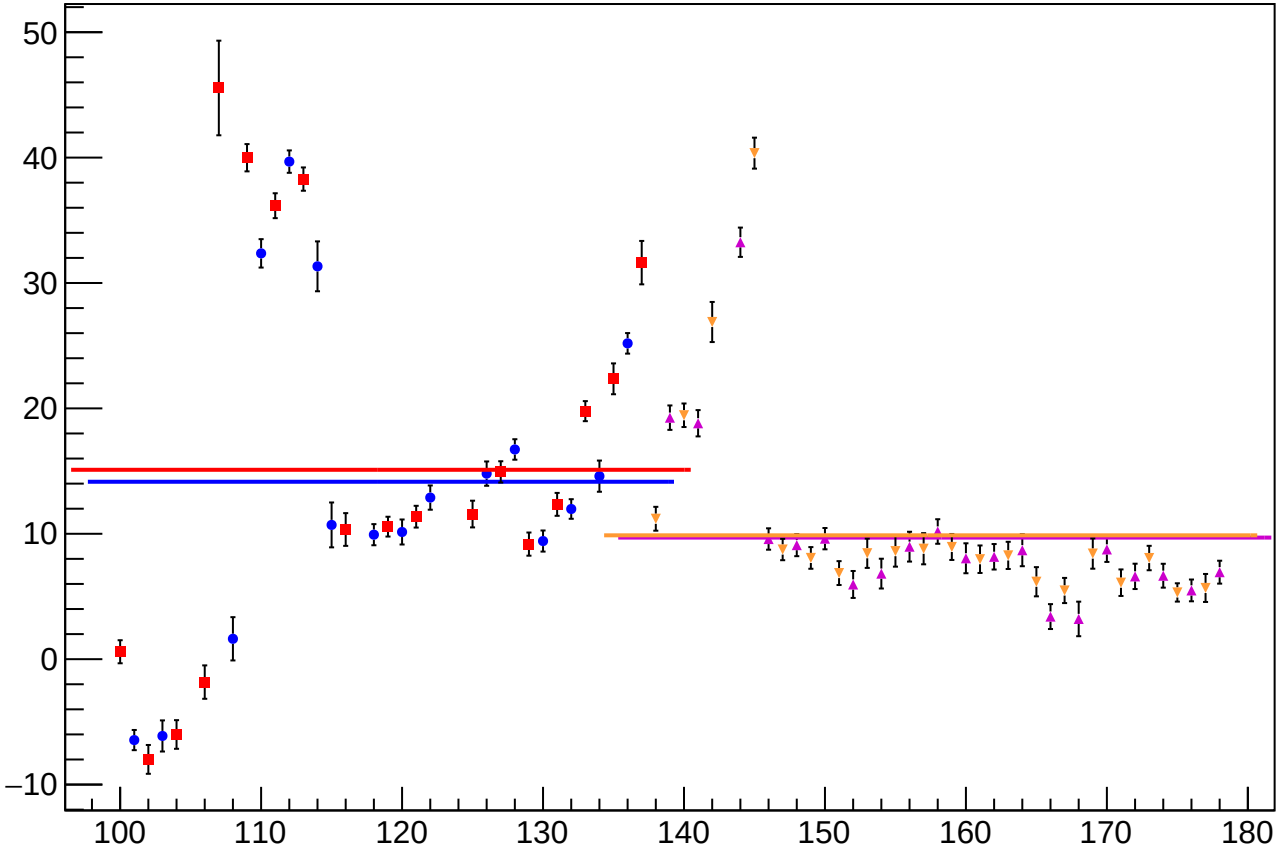
Left In: 1.588+/-0.166 χ^2/NDF:175.1/19

+ sign 2.856+/-0.132 χ^2/NDF: 792.4/35

All: 2.823+/-0.094 χ^2/NDF: 1385.1/73

- sign 2.789+/-0.133 χ^2/NDF: 592.5/37

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 9.878+/-0.231 χ^2/NDF:953.6/19

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

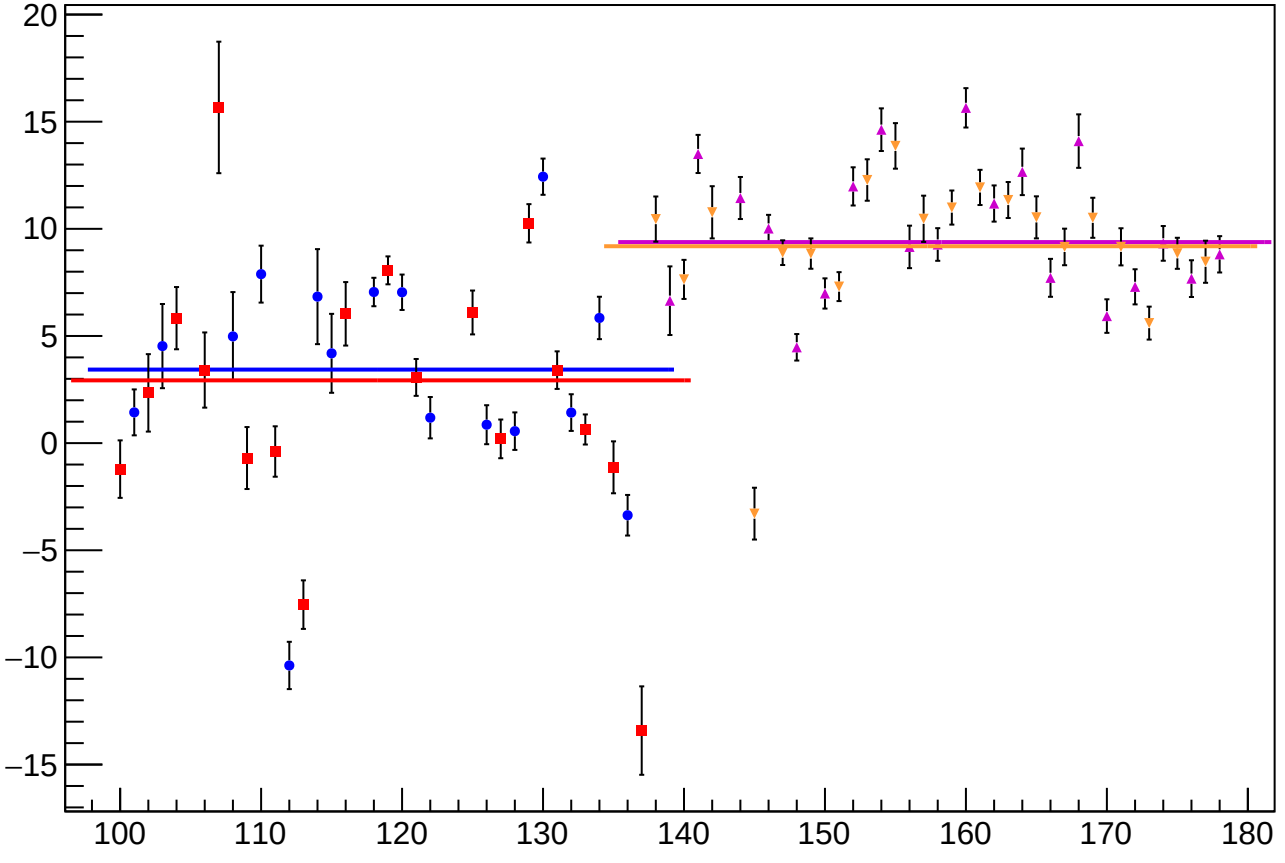
Left In: 9.697+/-0.226 χ^2/NDF:717.5/19

+ sign 11.865+/-0.169 χ^2/NDF: 3515.6/35

All: 12.047+/-0.118 χ^2/NDF: 7603.7/73

- sign 12.221+/-0.165 χ^2/NDF: 4085.9/37

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 9.188+/-0.191 χ^2/NDF:201.2/19

Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

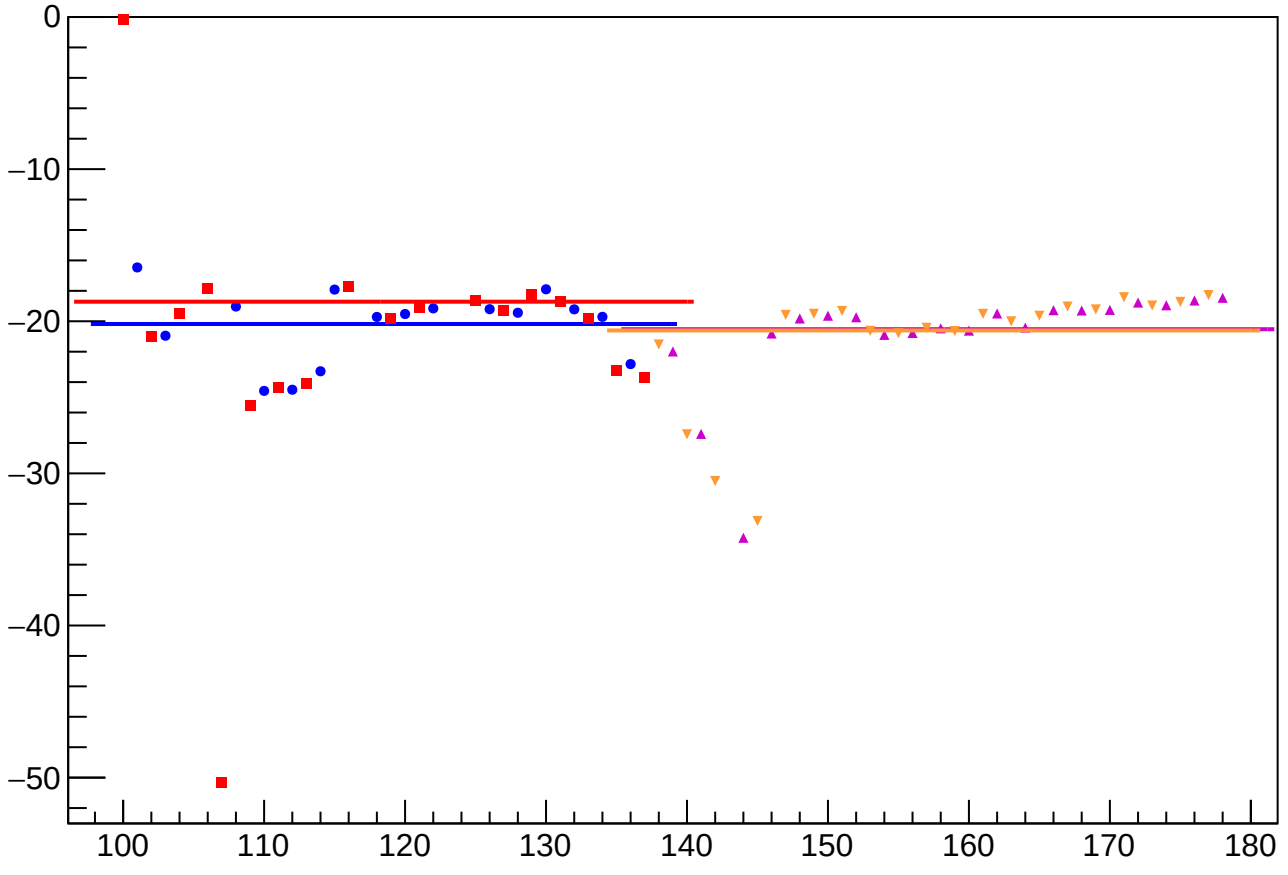
Left In: 9.381+/-0.191 χ^2/NDF:248.9/19

+ sign 7.114+/-0.153 χ^2/NDF: 953.2/35

All: 7.082+/-0.108 χ^2/NDF: 1984.3/73

- sign 7.050+/-0.152 χ^2/NDF: 1031.0/37

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -20.603+/-0.009 χ^2/NDF:135730.5/19

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

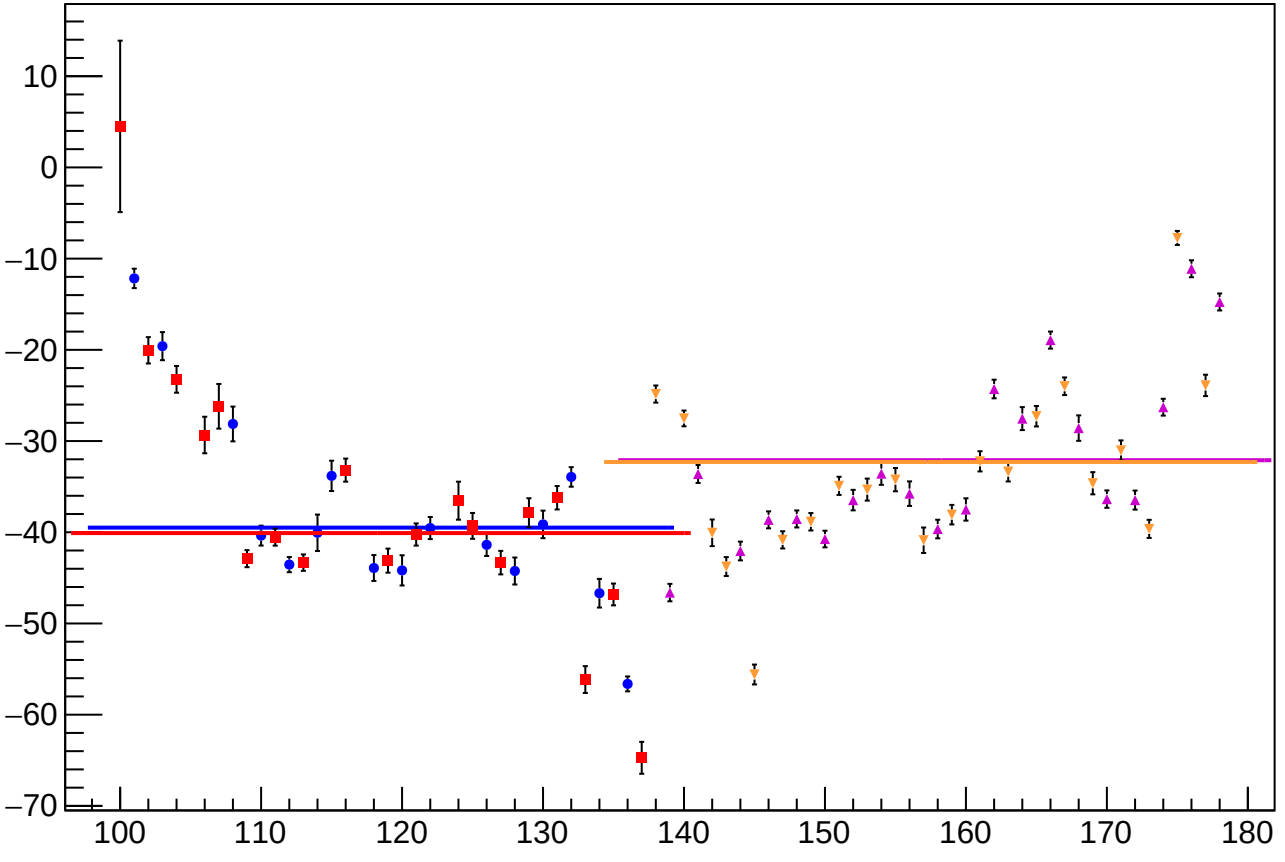
Left In: -20.523+/-0.009 χ^2/NDF:111094.9/19

+ sign -20.505+/-0.008 χ^2/NDF: 156120.0/35

All: -20.298+/-0.005 χ^2/NDF: 513646.0/73

- sign -20.102+/-0.008 χ^2/NDF: 356121.9/37

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -39.493+/-0.311 χ^2/NDF: 1417.1/15

Left Out: -32.295+/-0.229 χ^2/NDF:2129.8/20

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

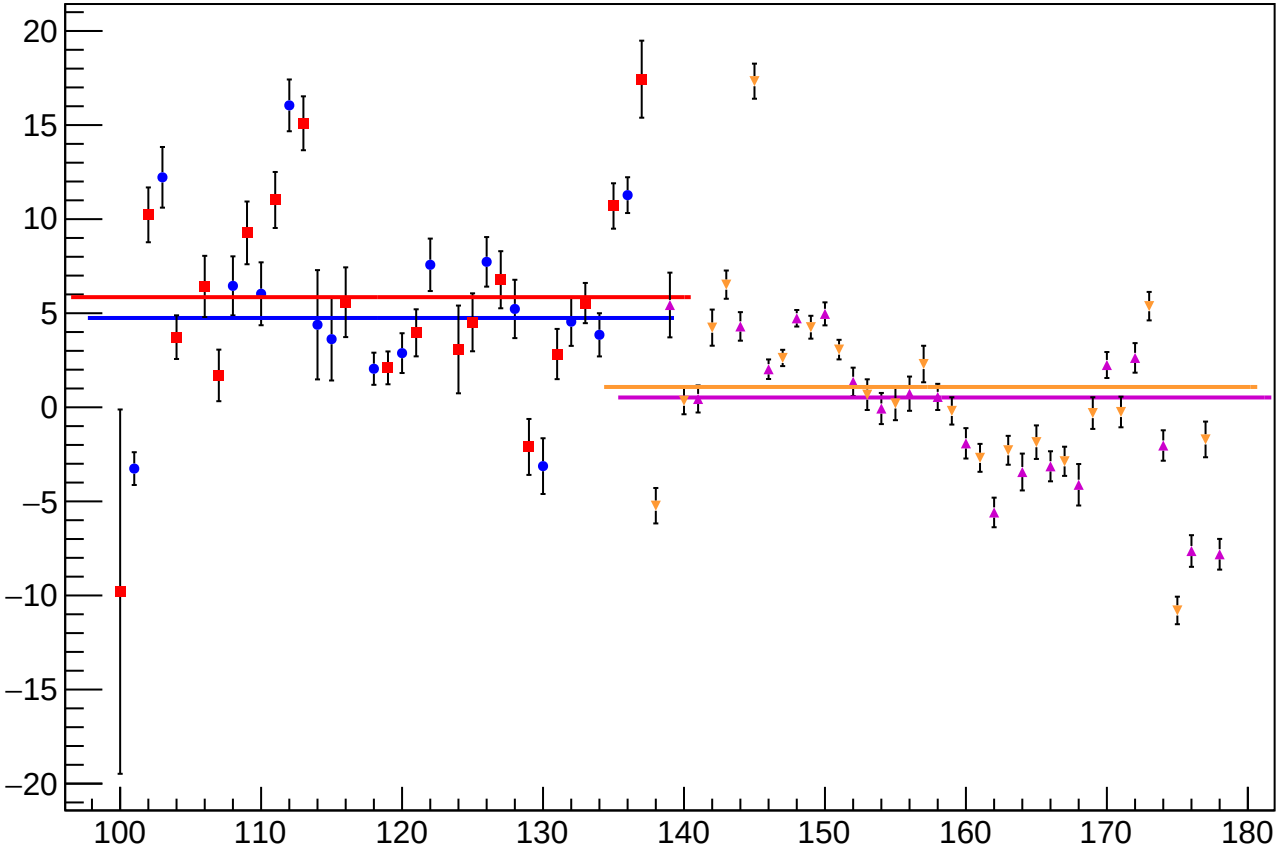
Left In: -32.100+/-0.230 χ^2/NDF:1822.1/19

+ sign -34.828+/-0.184 χ^2/NDF: 3894.7/36

All: -34.896+/-0.130 χ^2/NDF: 6986.2/75

- sign -34.965+/-0.184 χ^2/NDF: 3091.2/38

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: 1.081+/-0.161 χ^2/NDF:864.9/20

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

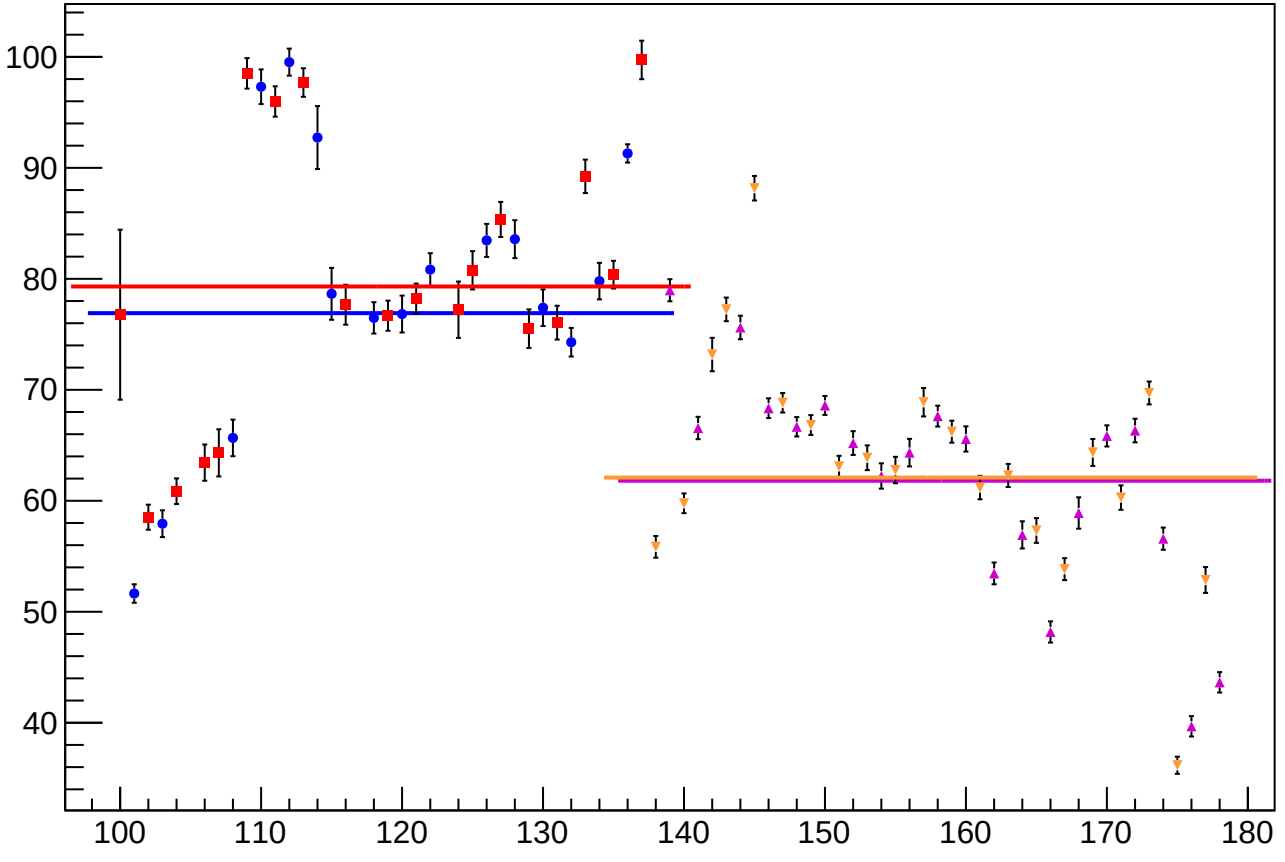
Left In: 0.522+/-0.165 χ^2/NDF:533.8/19

+ sign 1.836+/-0.143 χ^2/NDF: 1245.7/36

All: 1.730+/-0.103 χ^2/NDF: 2183.5/75

- sign 1.619+/-0.147 χ^2/NDF: 936.7/38

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 62.092+/-0.225 χ^2/NDF:2338.6/20

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

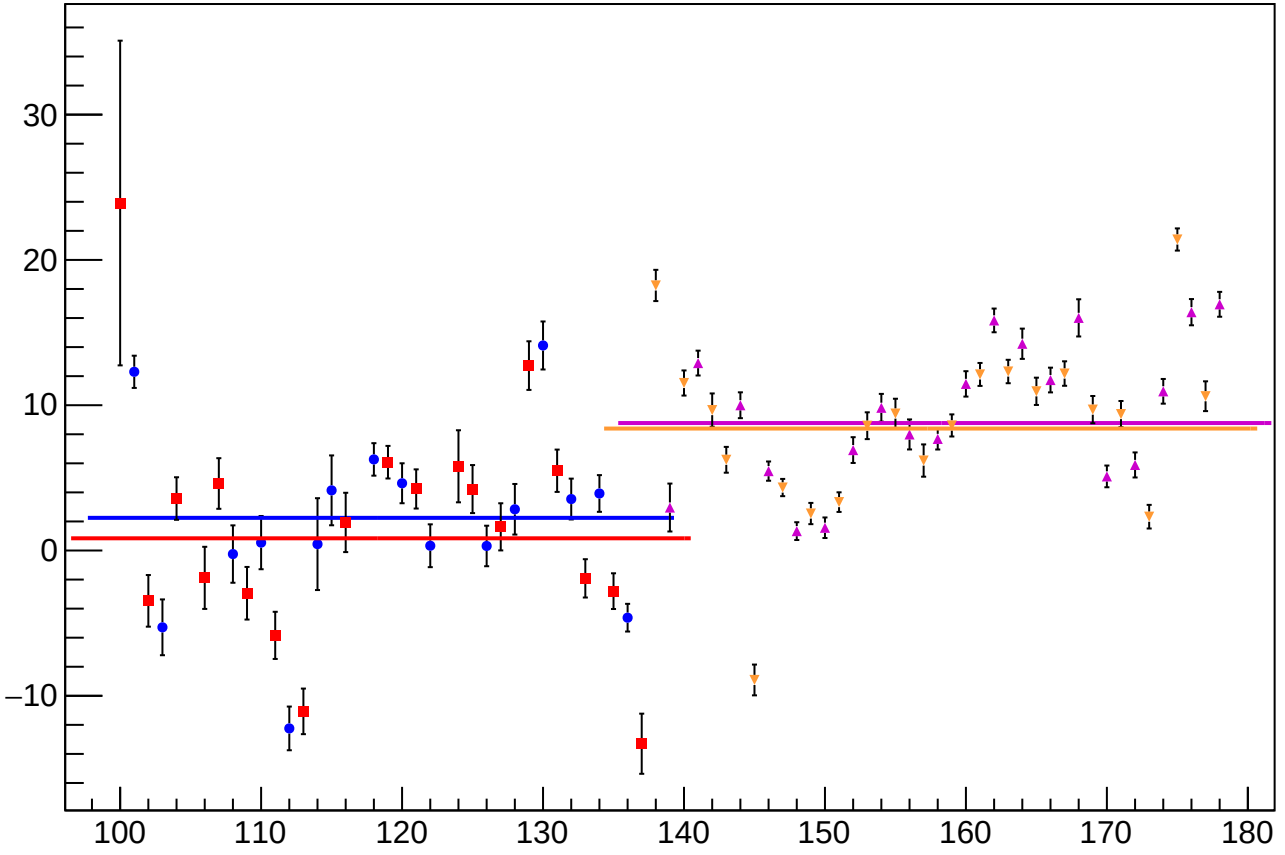
Left In: 61.809+/-0.225 χ^2/NDF:2030.2/19

+ sign 66.664+/-0.187 χ^2/NDF: 5792.4/36

All: 66.822+/-0.133 χ^2/NDF: 11103.4/75

- sign 66.984+/-0.189 χ^2/NDF: 5309.5/38

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 2.248+/-0.363 χ^2/NDF: 319.6/15

Left Out: 8.394+/-0.186 χ^2/NDF:970.4/20

Right Out: 0.840+/-0.372 χ^2/NDF: 256.2/18

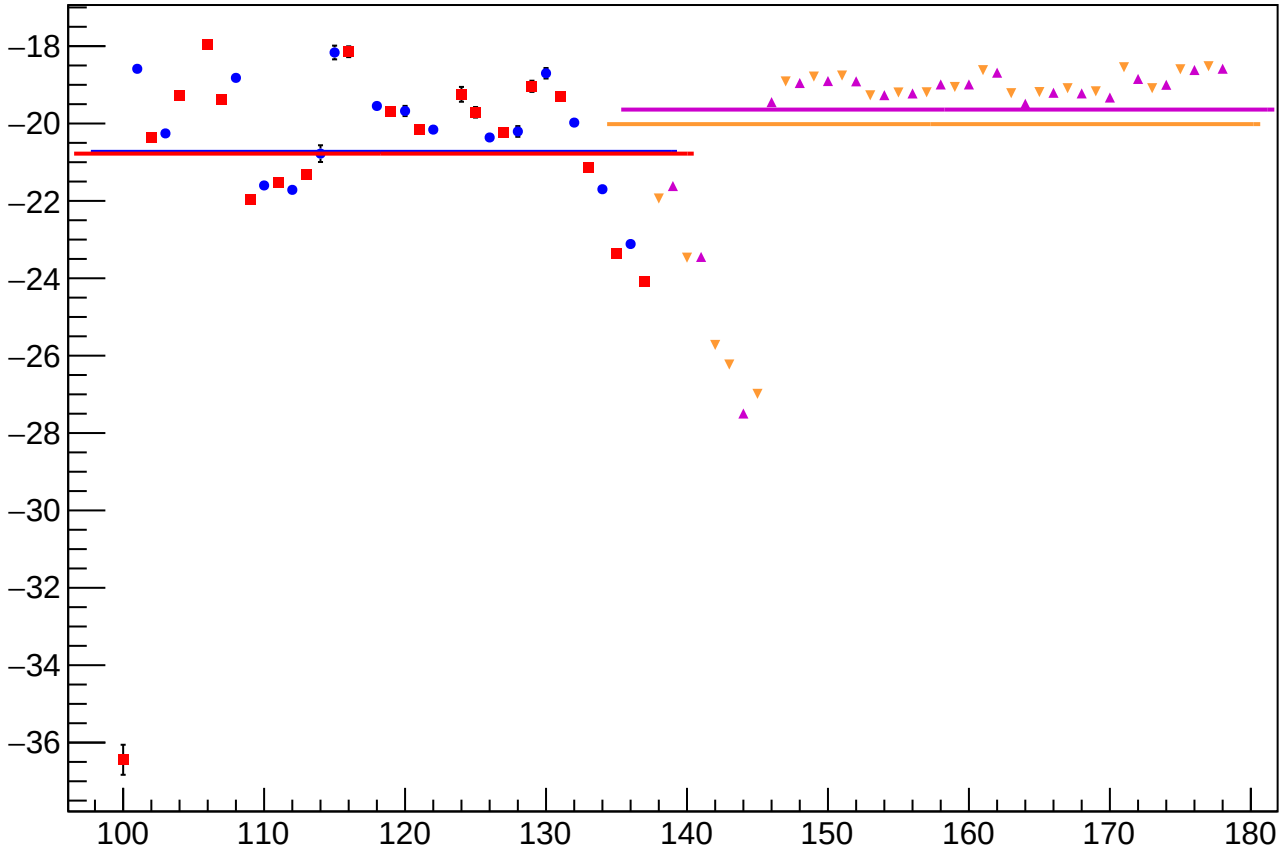
Left In: 8.773+/-0.189 χ^2/NDF:683.0/19

\+ sign 7.117+/-0.165 χ^2/NDF: 1517.0/36

All: 7.130+/-0.118 χ^2/NDF: 2817.6/75

\- sign 7.144+/-0.169 χ^2/NDF: 1300.5/38

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -20.016+/-0.009 χ^2/NDF:76791.7/20

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

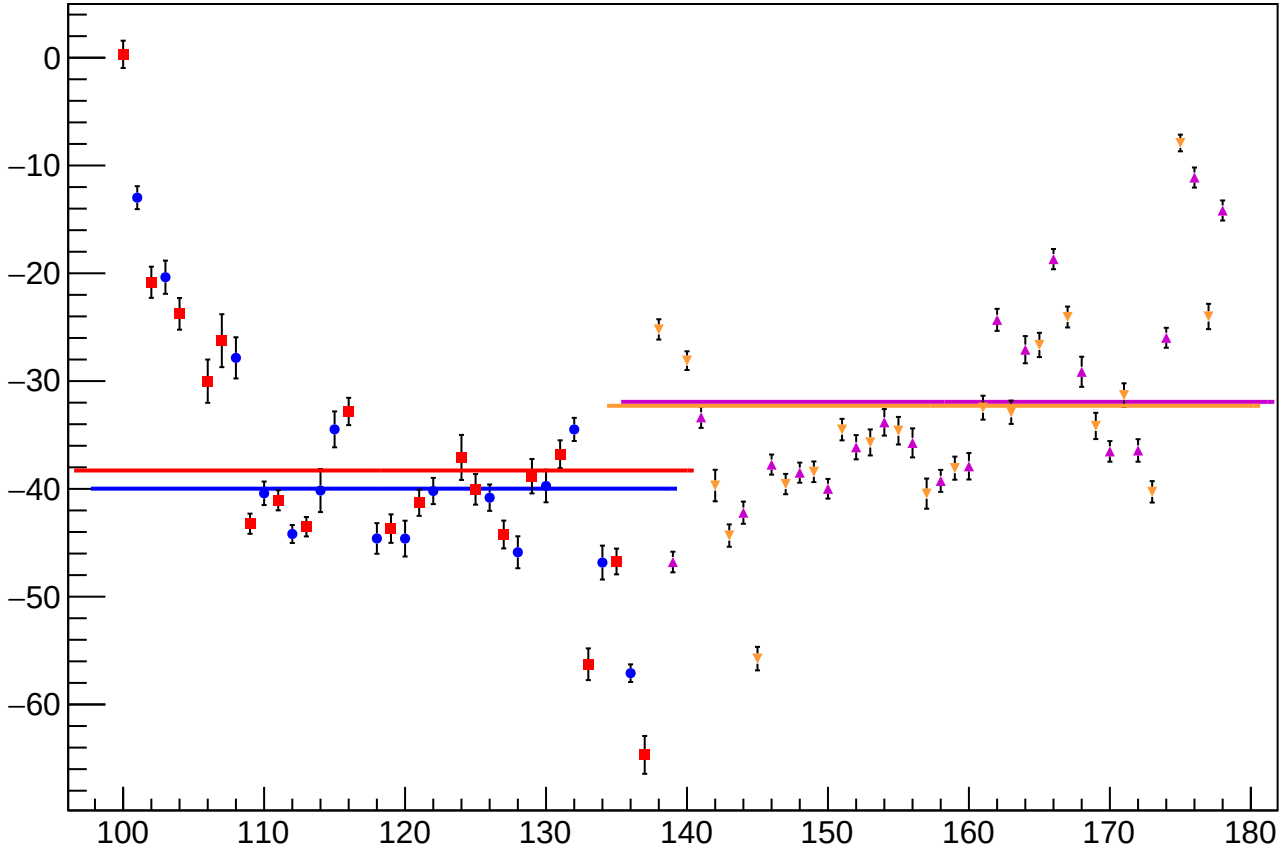
Left In: -19.640+/-0.009 χ^2/NDF:44281.9/19

+ sign -20.133+/-0.008 χ^2/NDF: 85564.4/36

All: -19.973+/-0.006 χ^2/NDF: 142801.6/75

- sign -19.813+/-0.008 χ^2/NDF: 56406.0/38

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -39.979+/-0.311 χ^2/NDF: 1398.4/15

Left Out: -32.290+/-0.229 χ^2/NDF:2091.4/20

Right Out: -38.295+/-0.299 χ^2/NDF: 1773.8/18

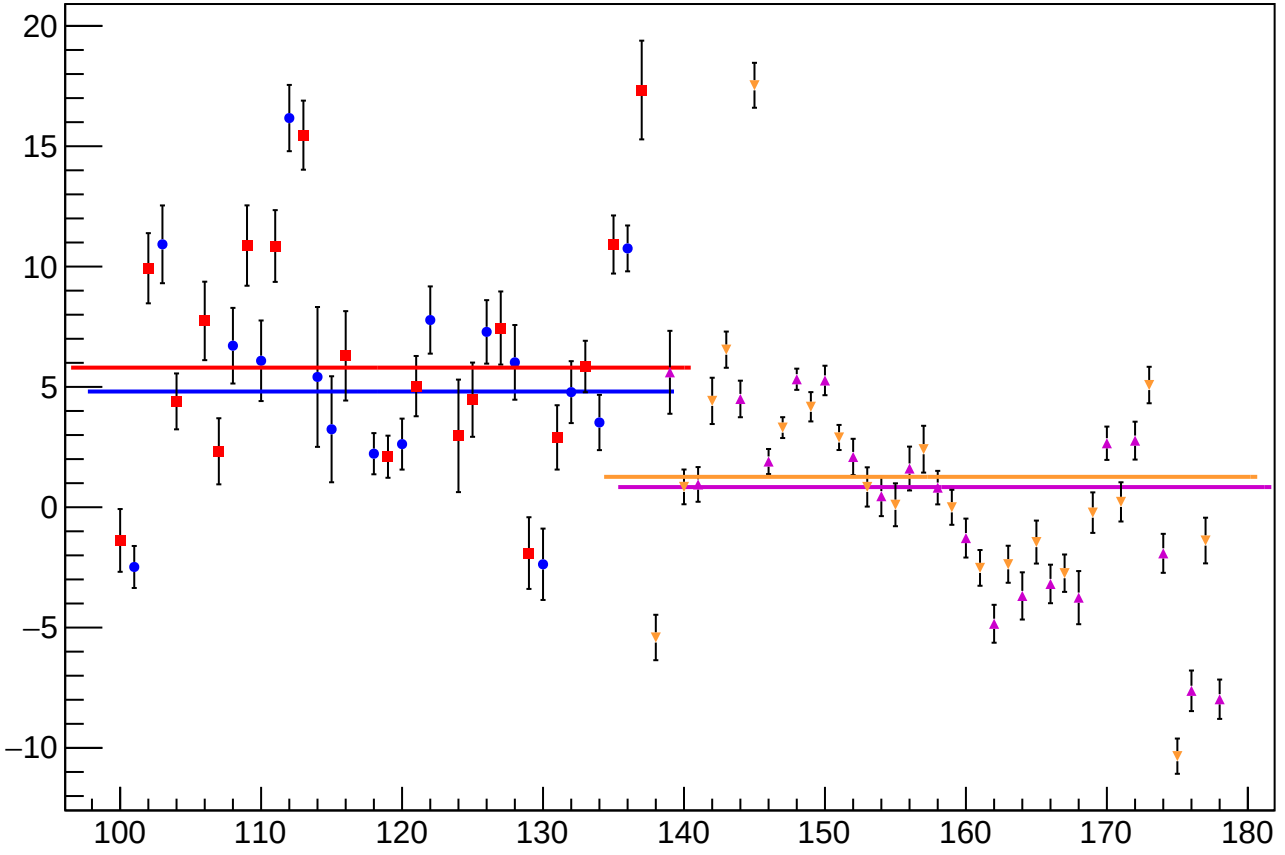
Left In: -31.928+/-0.230 χ^2/NDF:1826.5/19

+ sign -34.996+/-0.185 χ^2/NDF: 3885.7/36

All: -34.641+/-0.130 χ^2/NDF: 7778.1/75

- sign -34.294+/-0.182 χ^2/NDF: 3885.0/38

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 4.808+/-0.316 χ^2/NDF: 240.5/15

Left Out: 1.263+/-0.161 χ^2/NDF:848.5/20

Right Out: 5.801+/-0.315 χ^2/NDF: 216.4/18

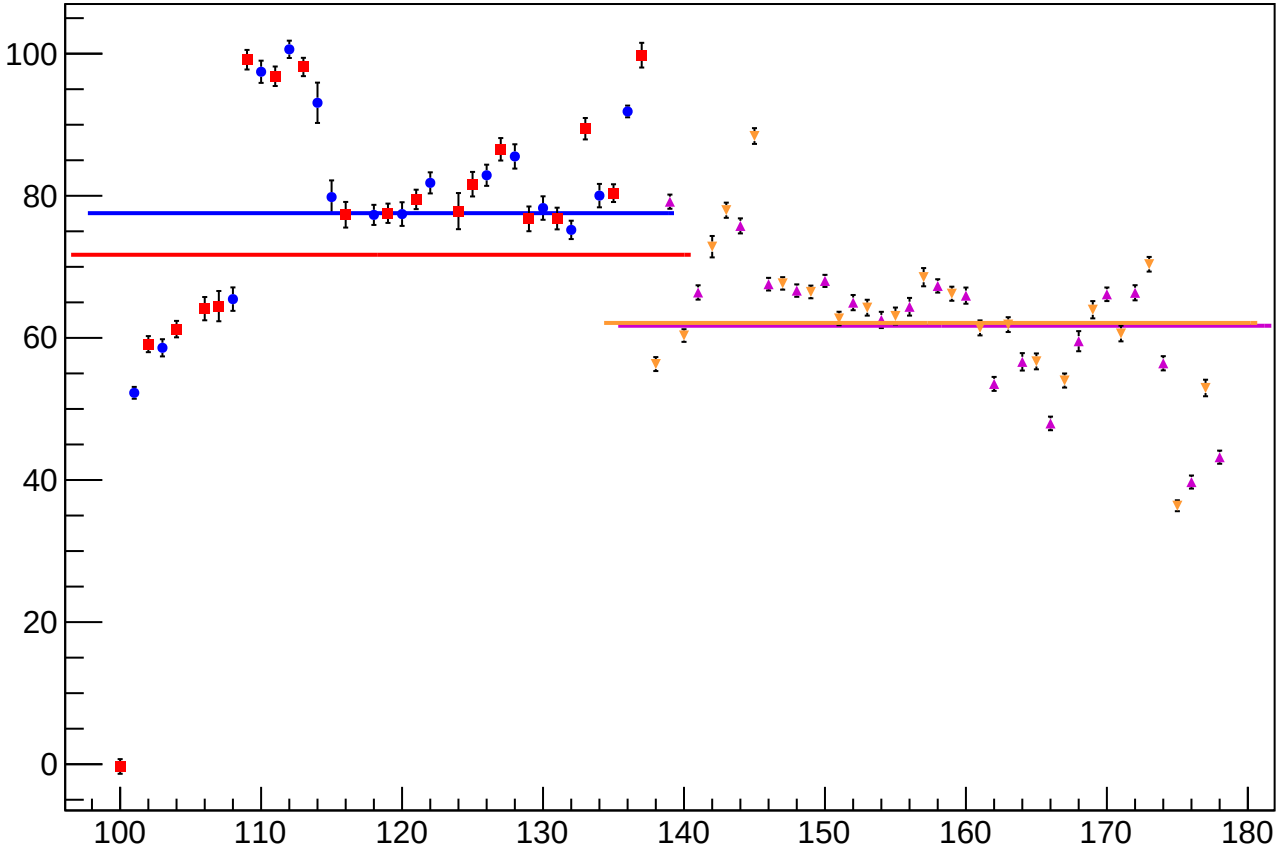
Left In: 0.838+/-0.165 χ^2/NDF:558.9/19

\+ sign 1.993+/-0.144 χ^2/NDF: 1188.7/36

All: 1.951+/-0.102 χ^2/NDF: 2159.0/75

\- sign 1.908+/-0.146 χ^2/NDF: 970.1/38

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 62.106+/-0.225 χ^2/NDF:2316.8/20

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

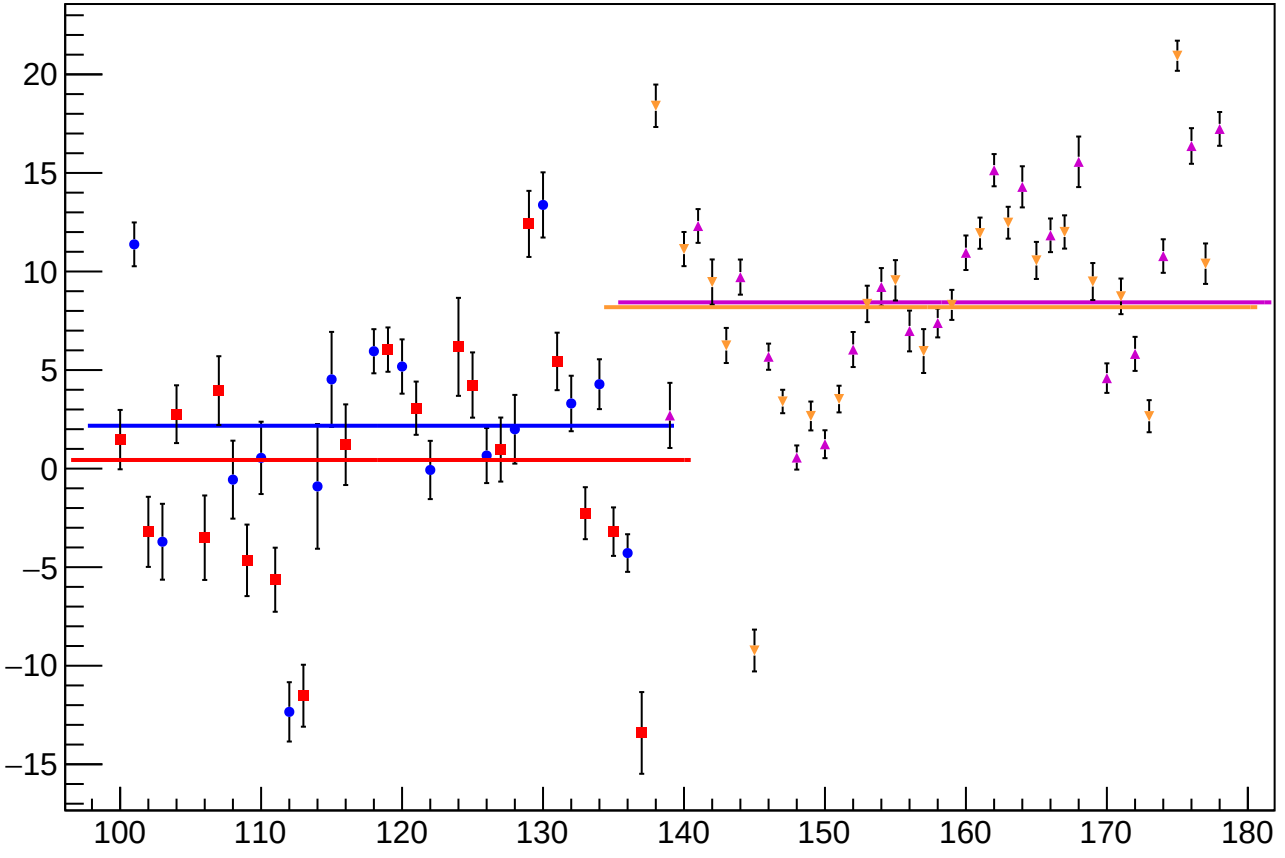
Left In: 61.710+/-0.226 χ^2/NDF:2032.9/19

+ sign 66.872+/-0.187 χ^2/NDF: 5884.7/36

All: 65.876+/-0.132 χ^2/NDF: 15500.3/75

- sign 64.890+/-0.186 χ^2/NDF: 9559.3/38

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 2.175+/-0.364 χ^2/NDF: 290.3/15

Left Out: 8.190+/-0.186 χ^2/NDF:961.0/20

Right Out: 0.438+/-0.362 χ^2/NDF: 254.1/18

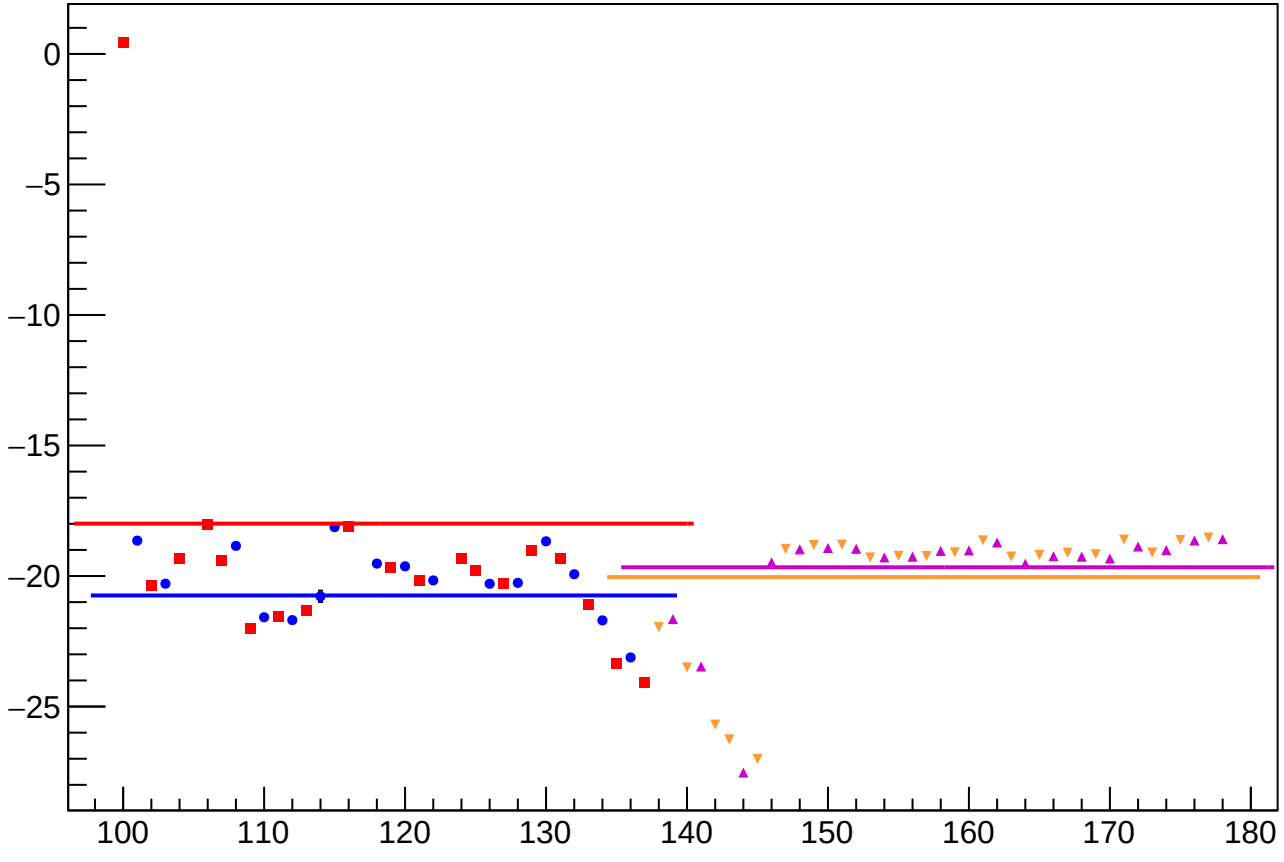
Left In: 8.435+/-0.189 χ^2/NDF:711.2/19

+ sign 6.940+/-0.166 χ^2/NDF: 1468.1/36

All: 6.829+/-0.118 χ^2/NDF: 2817.6/75

- sign 6.715+/-0.168 χ^2/NDF: 1348.6/38

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.745+/-0.019 χ^2/NDF: 7513.6/15

Left Out: -20.041+/-0.009 χ^2/NDF:76368.5/20

Right Out: -17.993+/-0.019 χ^2/NDF: 150579.1/18

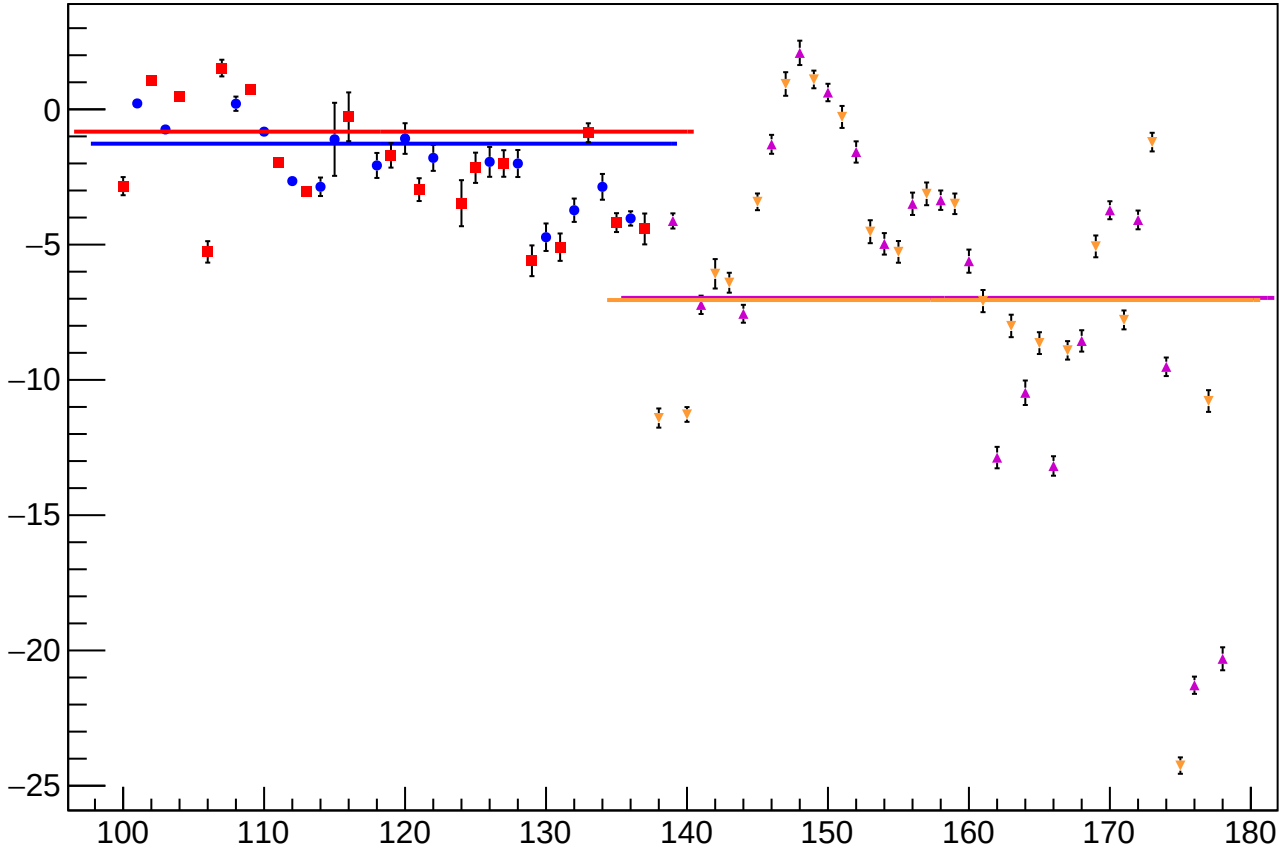
Left In: -19.665+/-0.009 χ^2/NDF:44190.4/19

+ sign -20.156+/-0.008 χ^2/NDF: 84975.7/36

All: -19.764+/-0.006 χ^2/NDF: 291162.5/75

- sign -19.381+/-0.008 χ^2/NDF: 201282.0/38

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -7.048+/-0.081 χ^2/NDF:5672.2/20

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

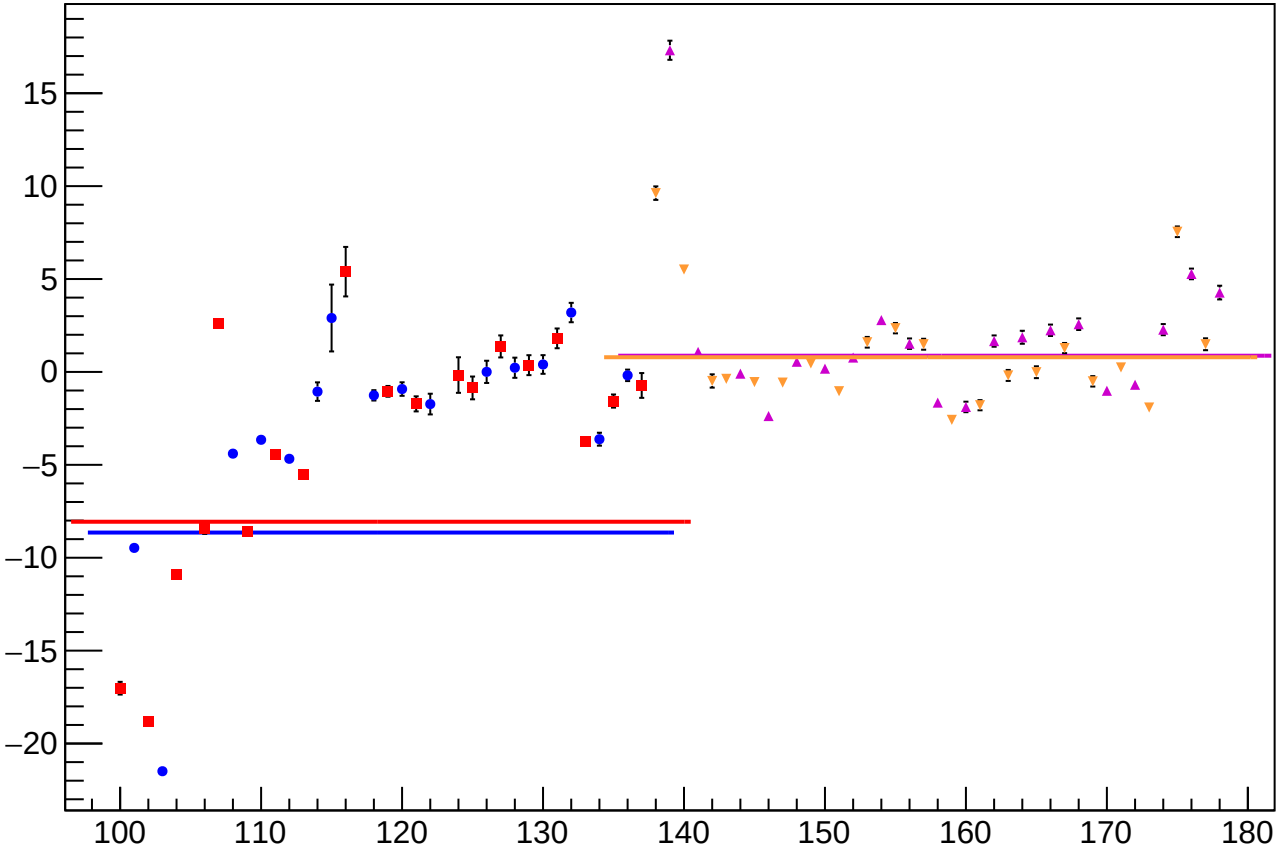
Left In: -6.969+/-0.081 χ^2/NDF:5541.5/19

+ sign -3.085+/-0.045 χ^2/NDF: 9817.7/36

All: -2.814+/-0.031 χ^2/NDF: 20920.7/75

- sign -2.566+/-0.043 χ^2/NDF: 11034.1/38

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 0.791+/-0.058 χ^2/NDF:2198.9/20

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

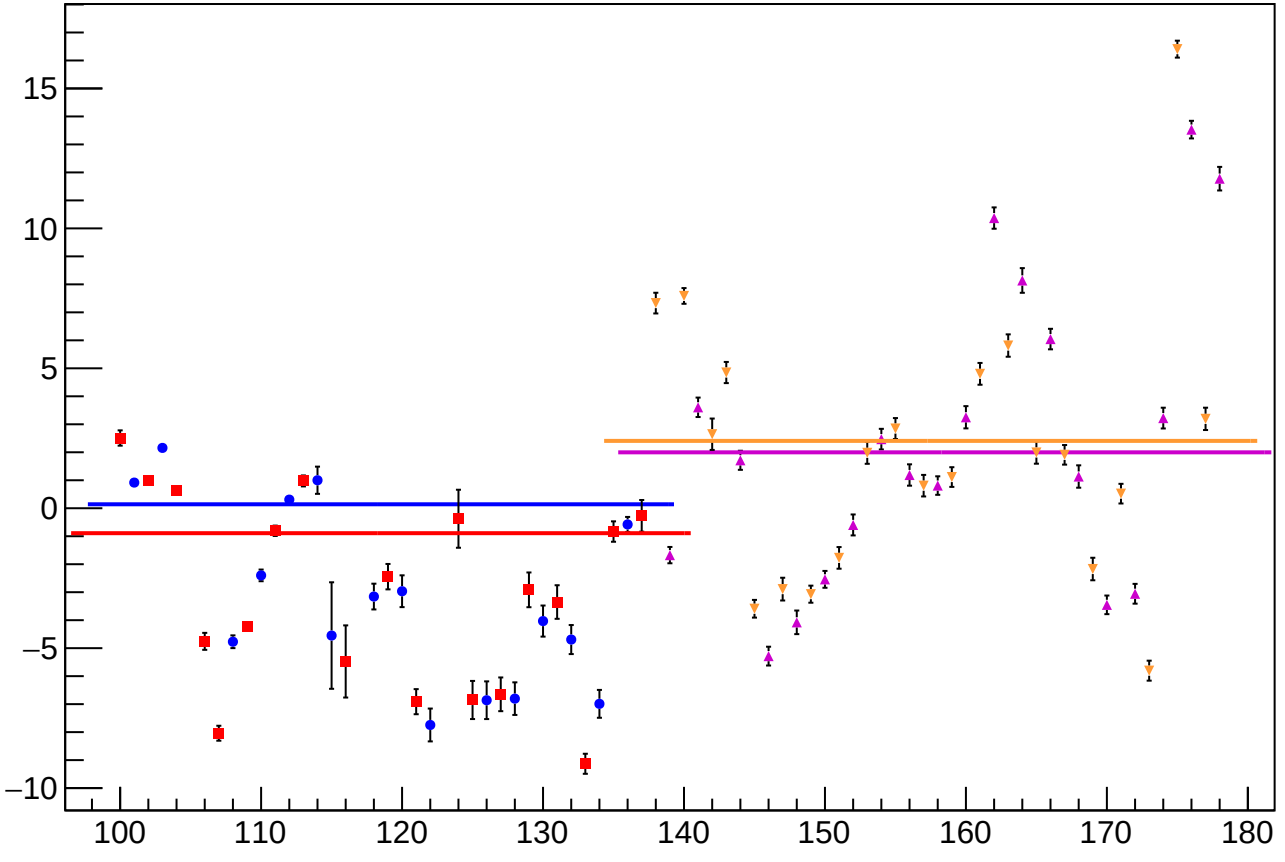
Left In: 0.873+/-0.061 χ^2/NDF:2040.8/19

+ sign -4.050+/-0.041 χ^2/NDF: 29400.5/36

All: -3.938+/-0.029 χ^2/NDF: 57346.1/75

- sign -3.822+/-0.042 χ^2/NDF: 27930.3/38

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 2.407+/-0.079 χ^2/NDF:4502.0/20

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

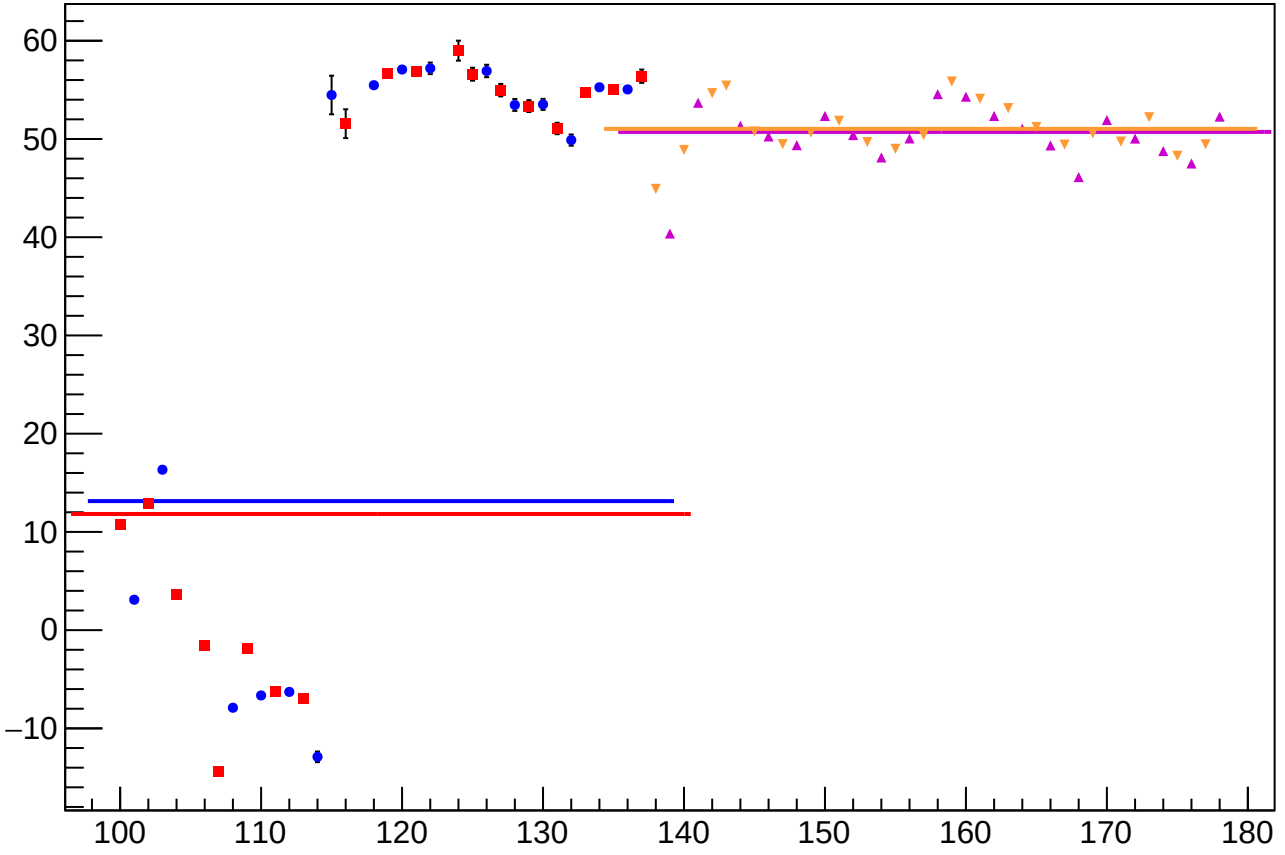
Left In: 1.998+/-0.080 χ^2/NDF:4328.9/19

+ sign 0.839+/-0.044 χ^2/NDF: 7025.3/36

All: 0.427+/-0.031 χ^2/NDF: 15418.3/75

- sign 0.006+/-0.045 χ^2/NDF: 8216.2/38

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 51.032+/-0.067 χ^2/NDF:1298.1/20

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

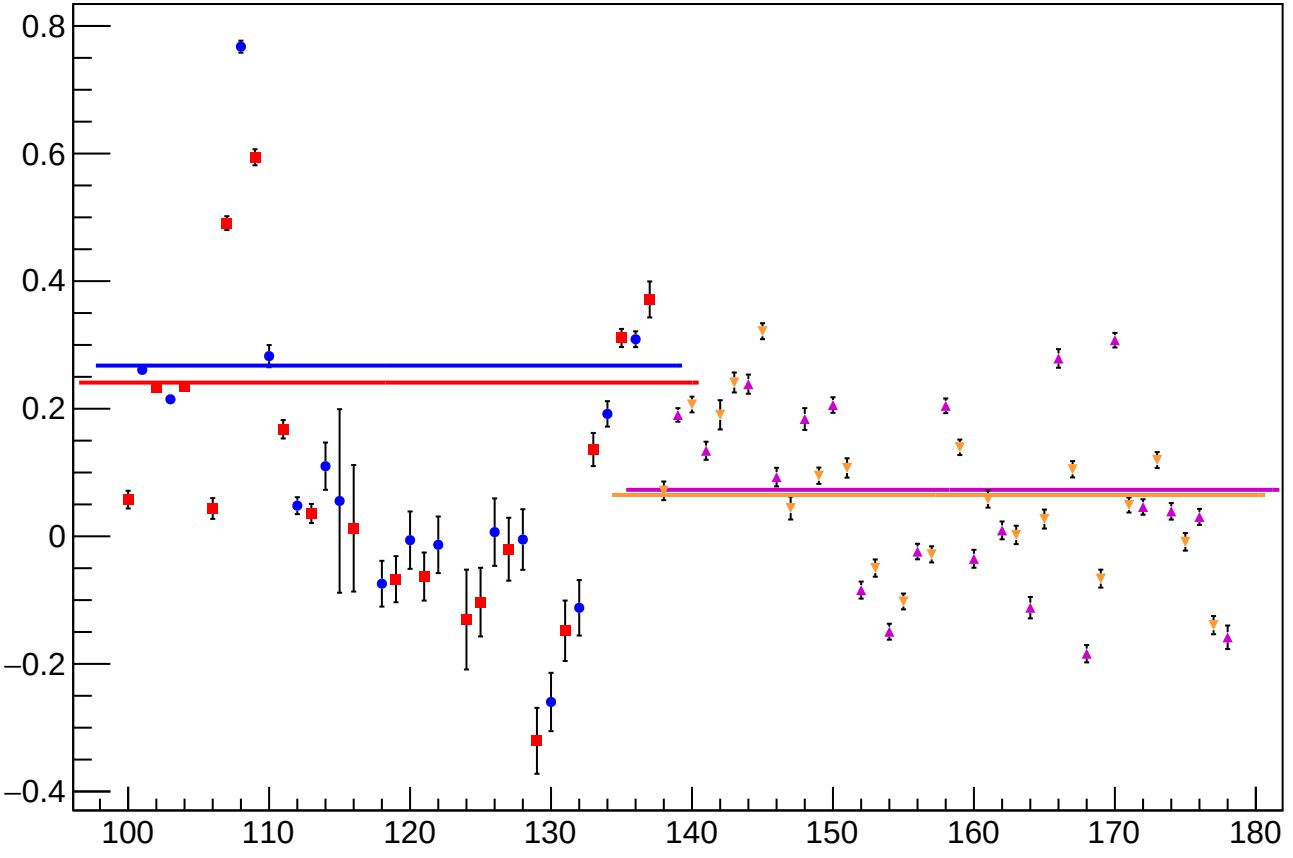
Left In: 50.721+/-0.068 χ^2/NDF:1441.1/19

+ sign 32.448+/-0.048 χ^2/NDF: 268406.5/36

All: 31.794+/-0.034 χ^2/NDF: 551495.9/75

- sign 31.124+/-0.048 χ^2/NDF: 282706.9/38

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.268+/-0.003 χ^2/NDF: 3720.4/15

Left Out: 0.065+/-0.003 χ^2/NDF:1446.4/20

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

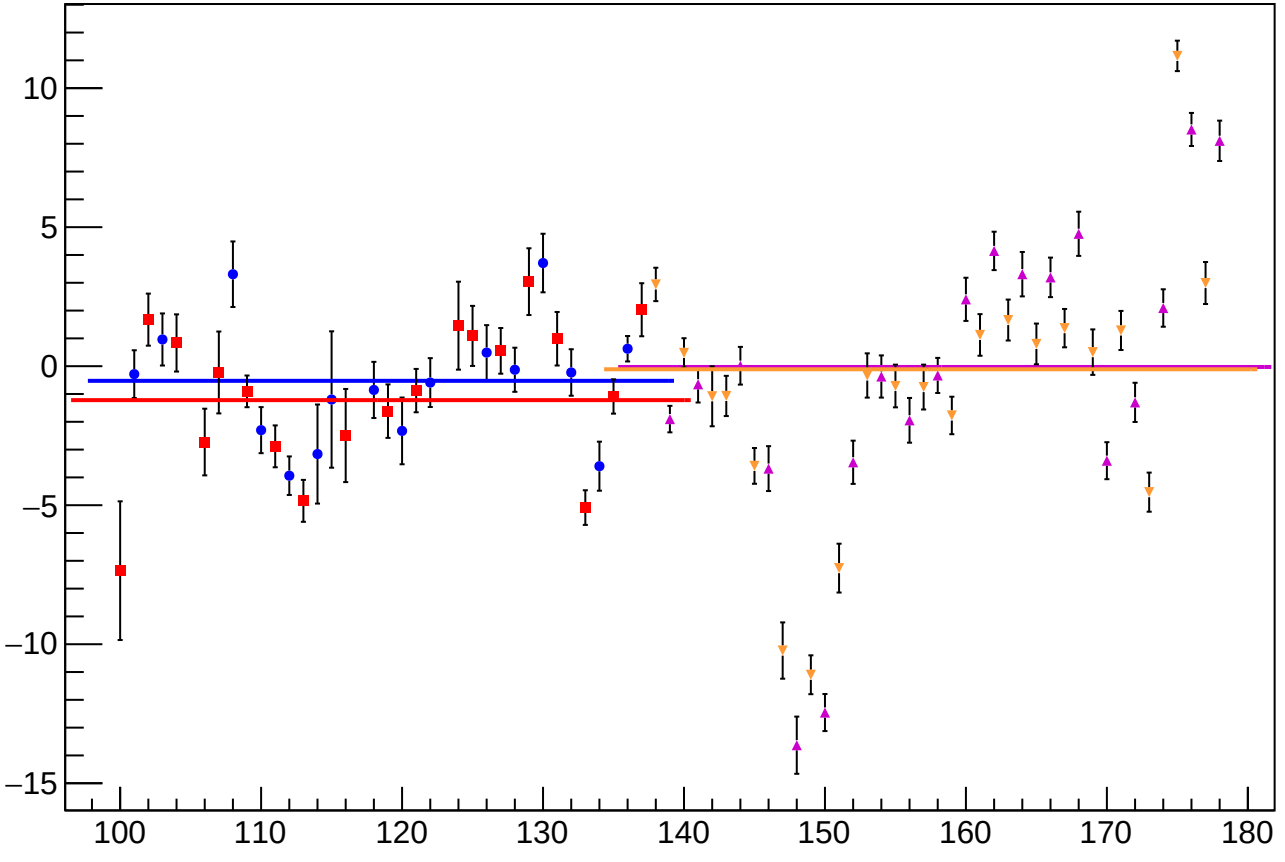
Left In: 0.073+/-0.003 χ^2/NDF:2431.5/19

+ sign 0.173+/-0.002 χ^2/NDF: 7625.7/36

All: 0.168+/-0.001 χ^2/NDF: 14131.2/75

- sign 0.164+/-0.002 χ^2/NDF: 6494.6/38

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: -0.111+/-0.156 χ^2/NDF:979.1/20

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

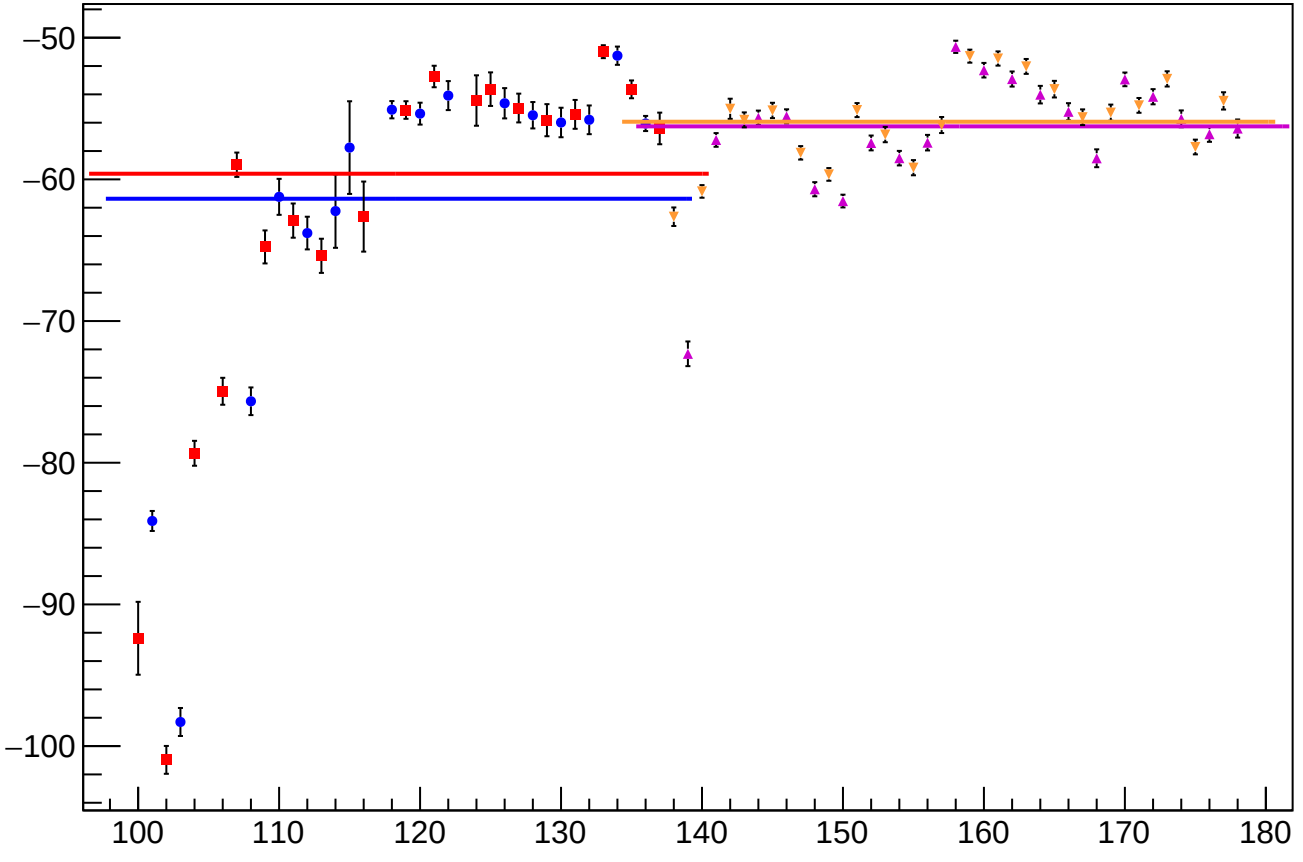
Left In: -0.028+/-0.156 χ^2/NDF:1076.6/19

+ sign -0.253+/-0.127 χ^2/NDF: 1064.2/36

All: -0.362+/-0.089 χ^2/NDF: 2294.7/75

- sign -0.466+/-0.124 χ^2/NDF: 1229.1/38

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -61.367+/-0.219 χ^2/NDF: 3351.2/15

Left Out: -55.931+/-0.116 χ^2/NDF:668.3/20

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

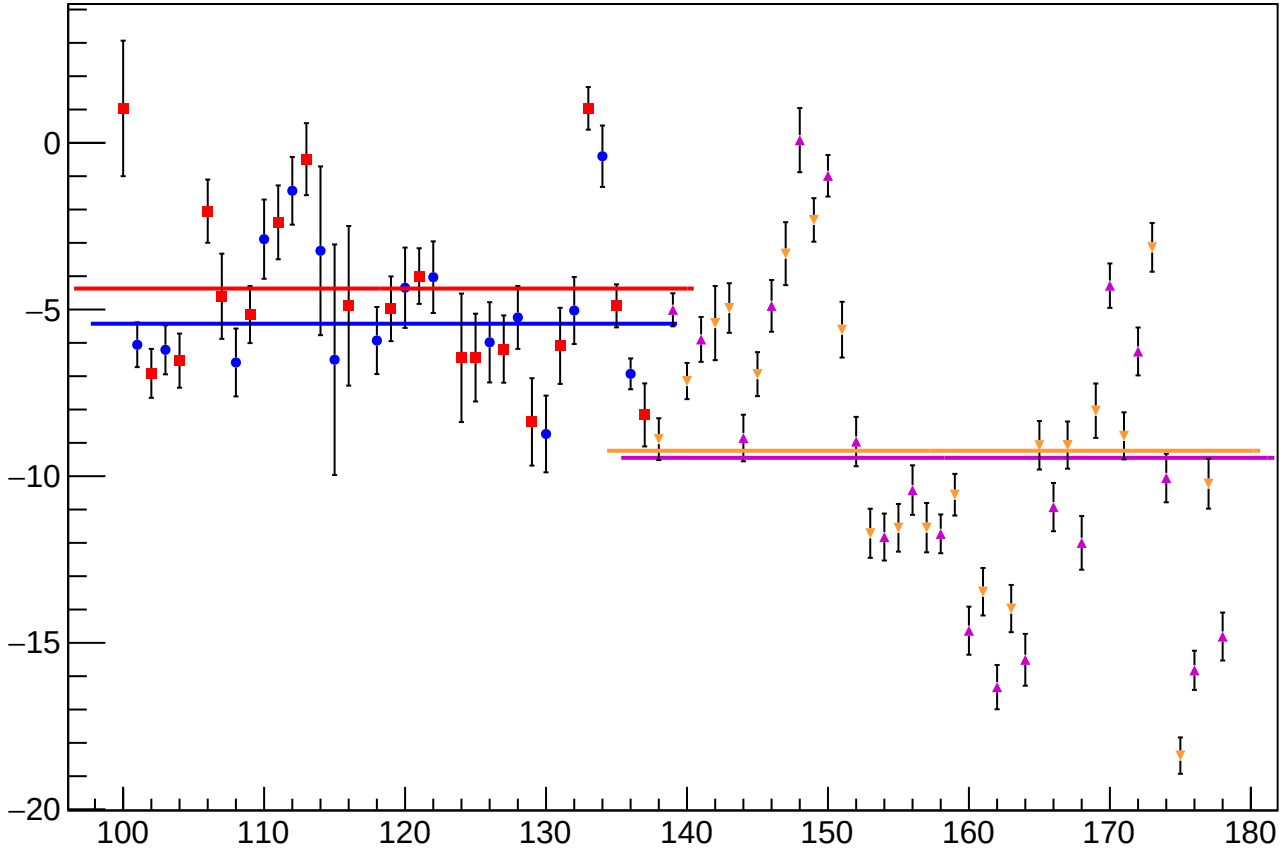
Left In: -56.259+/-0.119 χ^2/NDF:951.1/19

+ sign -57.116+/-0.102 χ^2/NDF: 4501.3/36

All: -57.106+/-0.073 χ^2/NDF: 9069.8/75

- sign -57.096+/-0.103 χ^2/NDF: 4568.5/38

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -9.236+/-0.154 χ^2/NDF:714.0/20

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

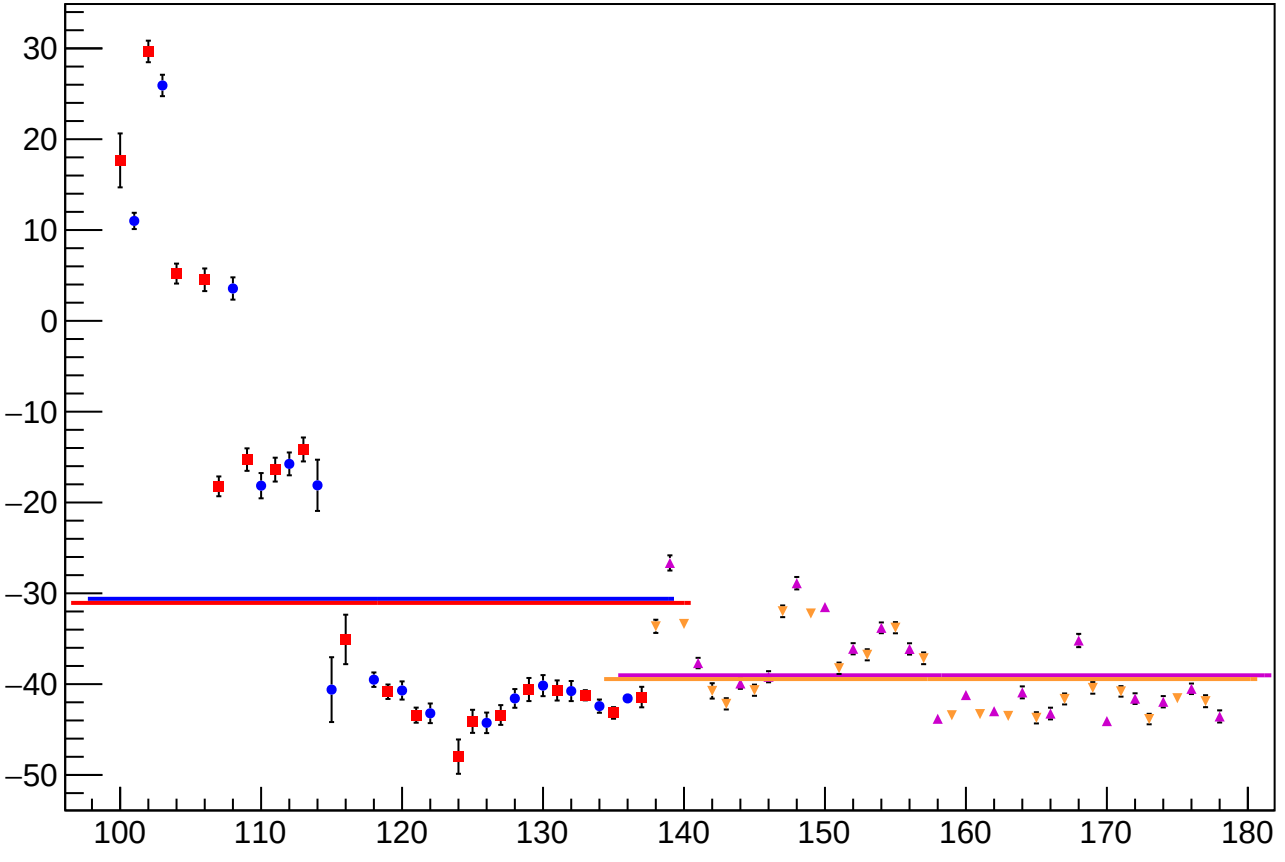
Left In: -9.449+/-0.153 χ^2/NDF:942.8/19

+ sign -8.059+/-0.128 χ^2/NDF: 979.8/36

All: -7.934+/-0.090 χ^2/NDF: 2434.1/75

- sign -7.812+/-0.126 χ^2/NDF: 1452.4/38

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -30.605+/-0.249 χ^2/NDF: 6938.0/15

Left Out: -39.442+/-0.131 χ^2/NDF:981.5/20

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

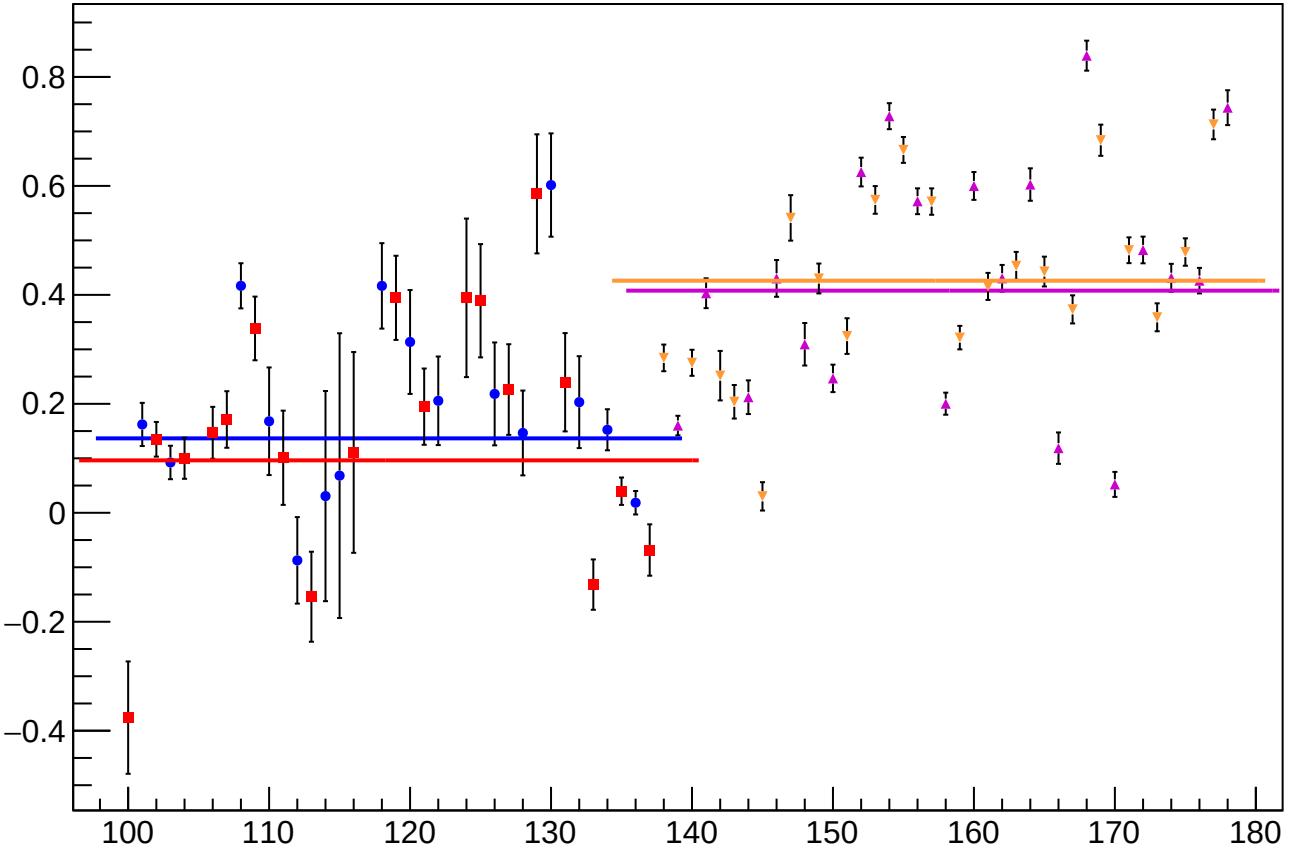
Left In: -39.028+/-0.133 χ^2/NDF:1218.7/19

+ sign -37.542+/-0.116 χ^2/NDF: 8905.2/36

All: -37.332+/-0.082 χ^2/NDF: 17962.0/75

- sign -37.119+/-0.116 χ^2/NDF: 9050.1/38

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.137+/-0.013 χ^2/NDF: 129.2/15

Left Out: 0.426+/-0.006 χ^2/NDF:799.0/20

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

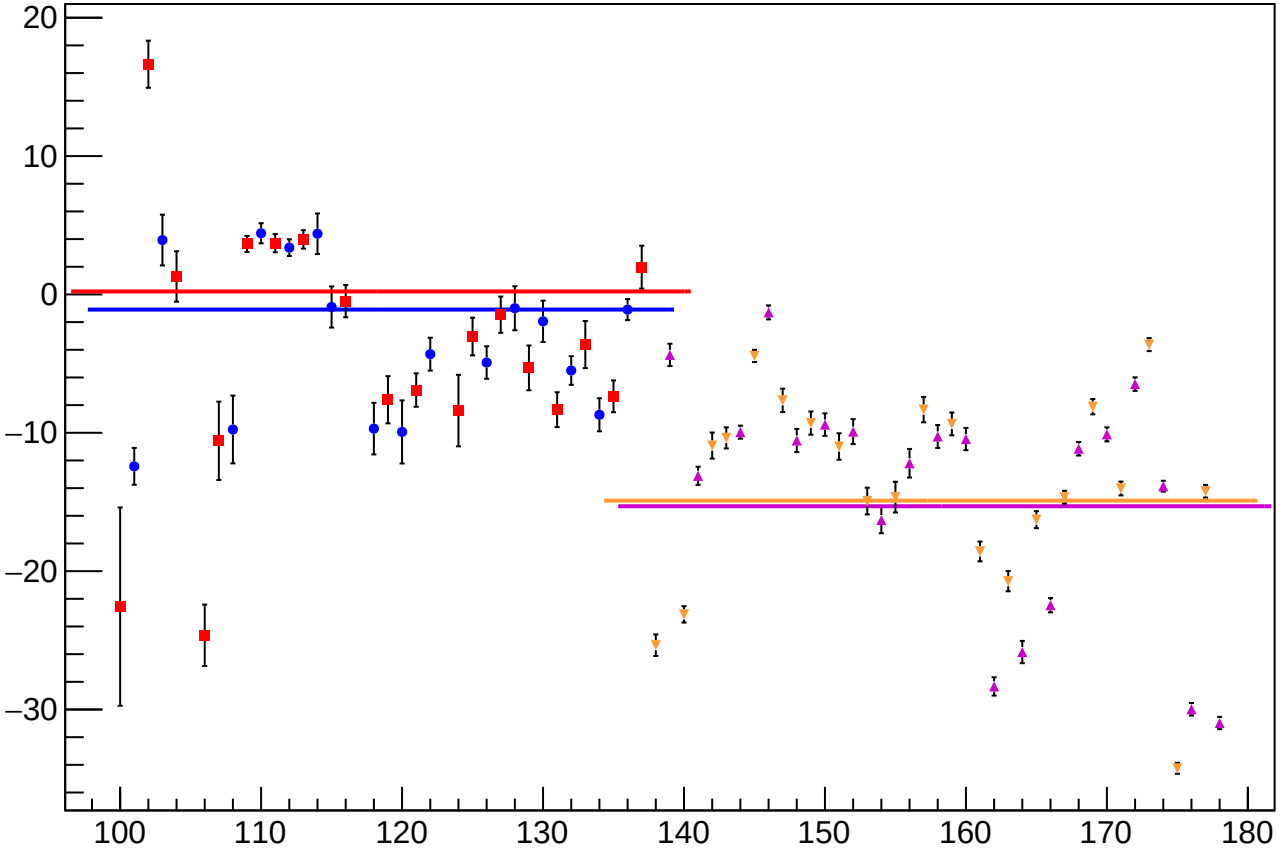
Left In: 0.408+/-0.006 χ^2/NDF:1487.3/19

+ sign 0.375+/-0.005 χ^2/NDF: 1369.6/36

All: 0.364+/-0.004 χ^2/NDF: 3538.5/75

- sign 0.353+/-0.005 χ^2/NDF: 2160.0/38

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -14.905+/-0.135 χ^2/NDF:4431.7/20

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

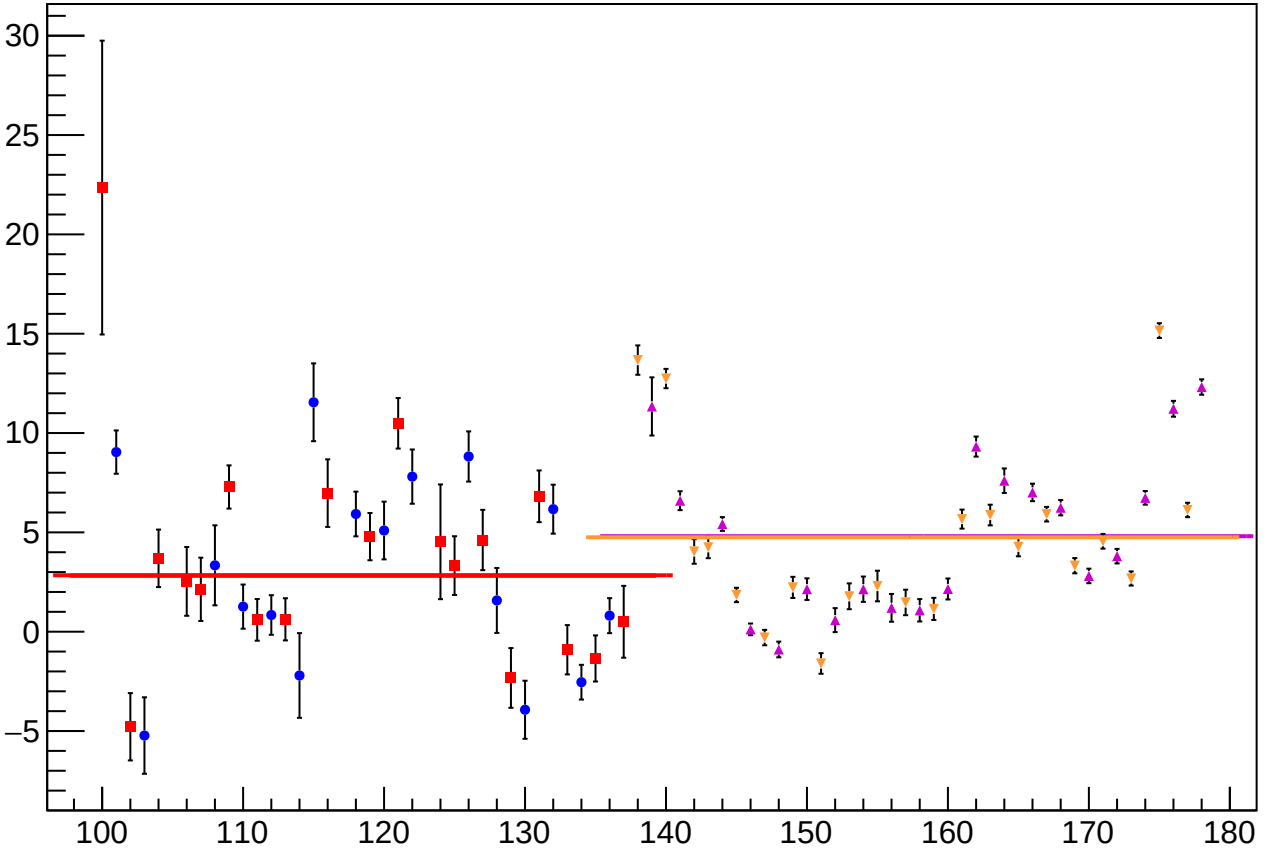
Left In: -15.309+/-0.132 χ^2/NDF:4850.3/19

+ sign -12.311+/-0.122 χ^2/NDF: 6732.2/36

All: -12.282+/-0.085 χ^2/NDF: 14836.0/75

- sign -12.255+/-0.118 χ^2/NDF: 8103.7/38

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 2.823+/-0.313 χ^2/NDF: 199.6/15

Left Out: 4.751+/-0.100 χ^2/NDF:1784.9/20

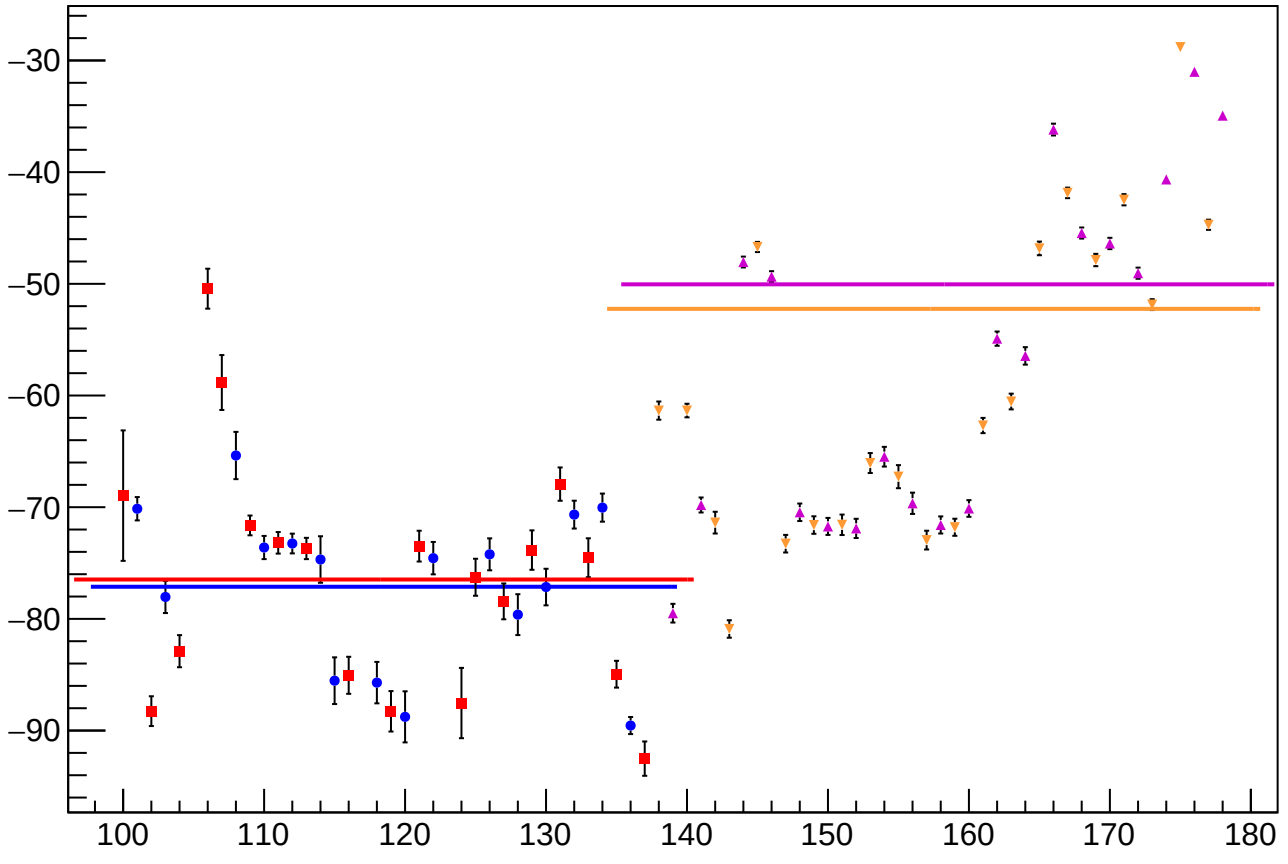
Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

Left In: 4.806+/-0.098 χ^2/NDF:1527.4/19

+ sign 4.573+/-0.095 χ^2/NDF: 2018.8/36

All: 4.606+/-0.067 χ^2/NDF: 3725.4/75

- sign 4.638+/-0.094 χ^2/NDF: 1706.4/38



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -52.240+/-0.134 χ^2/NDF:10832.0/20

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

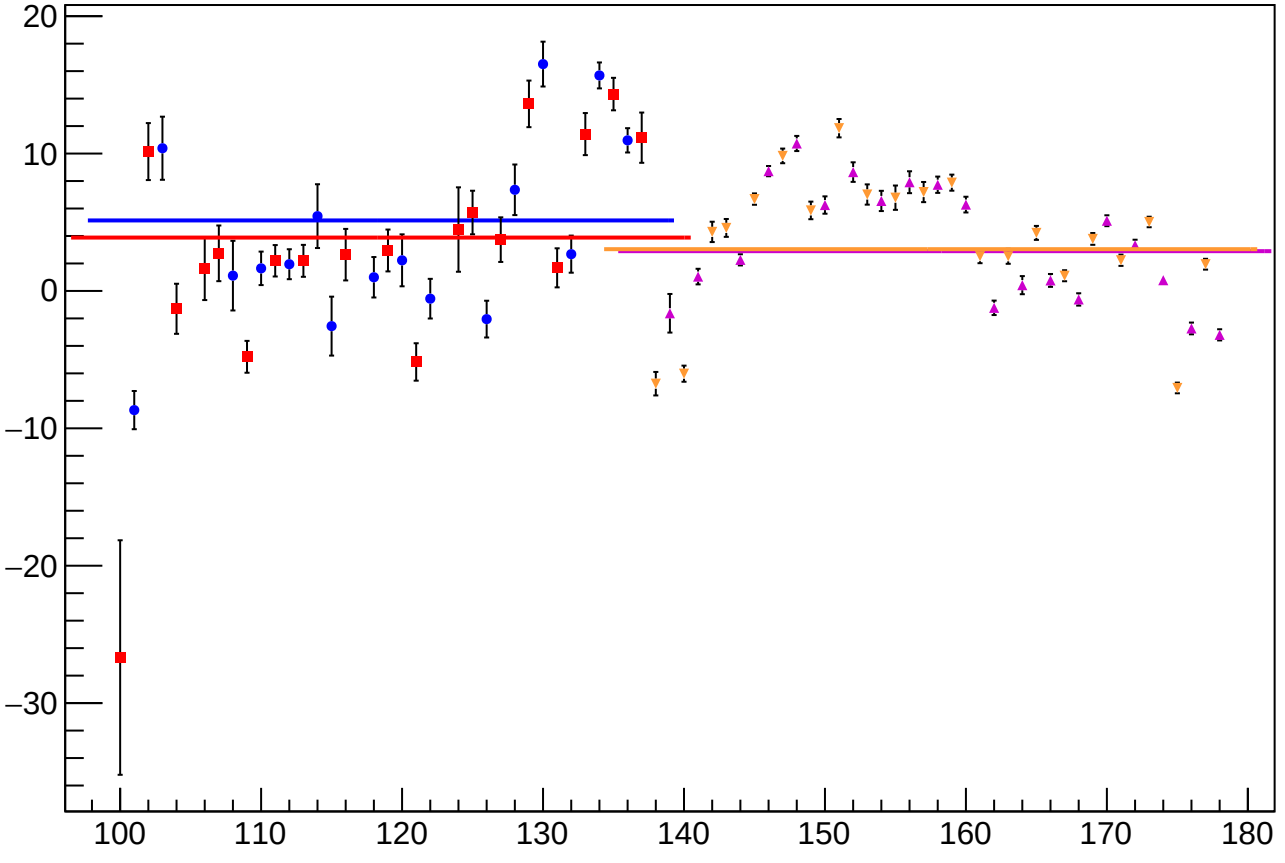
Left In: -50.044+/-0.131 χ^2/NDF:10924.2/19

+ sign -55.852+/-0.124 χ^2/NDF: 16306.7/36

All: -54.750+/-0.087 χ^2/NDF: 33662.5/75

- sign -53.689+/-0.122 χ^2/NDF: 17201.4/38

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: 3.040+/-0.113 χ^2/NDF:1703.0/20

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

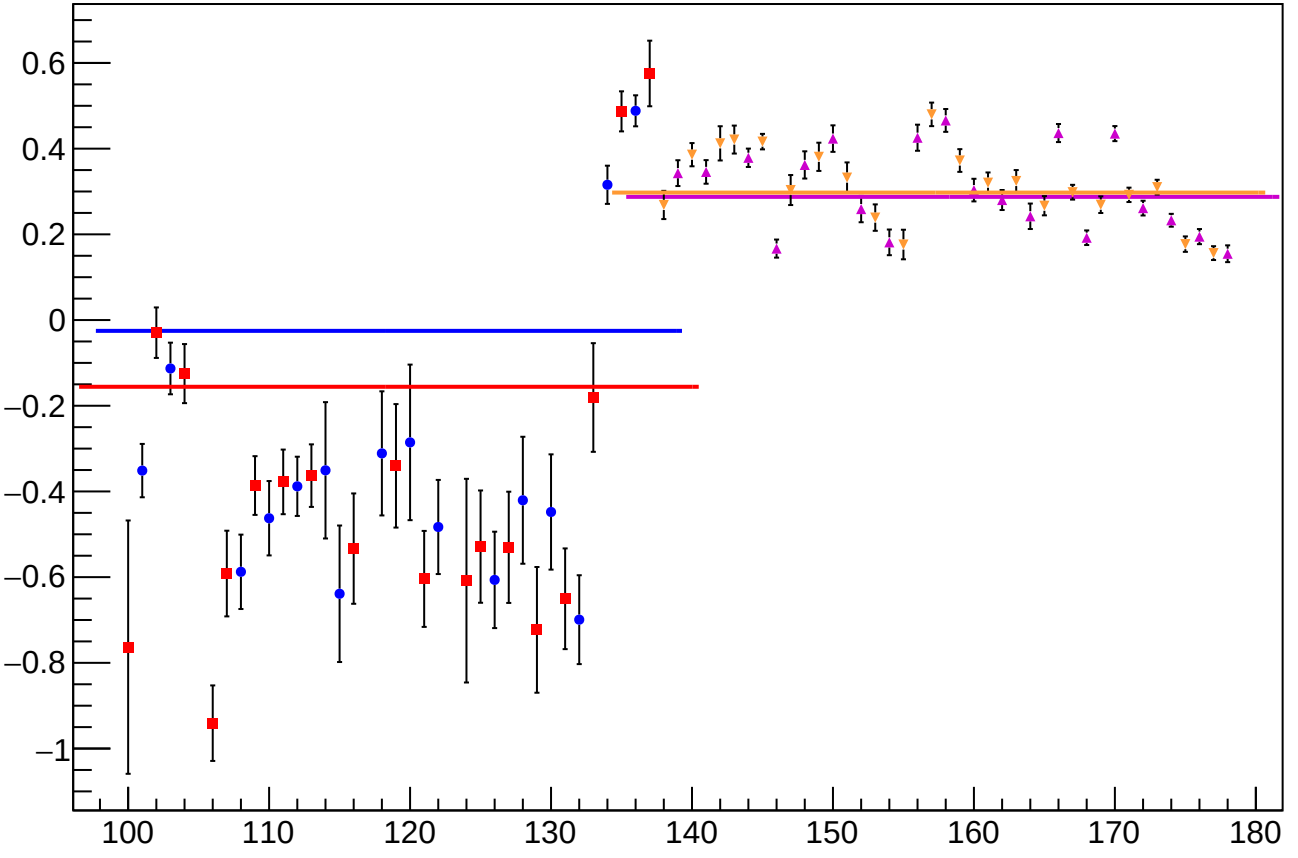
Left In: 2.895+/-0.111 χ^2/NDF:1350.9/19

+ sign 3.237+/-0.107 χ^2/NDF: 2147.7/36

All: 3.107+/-0.075 χ^2/NDF: 3799.9/75

- sign 2.981+/-0.106 χ^2/NDF: 1649.2/38

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.297+/-0.005 χ^2/NDF:280.6/20

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

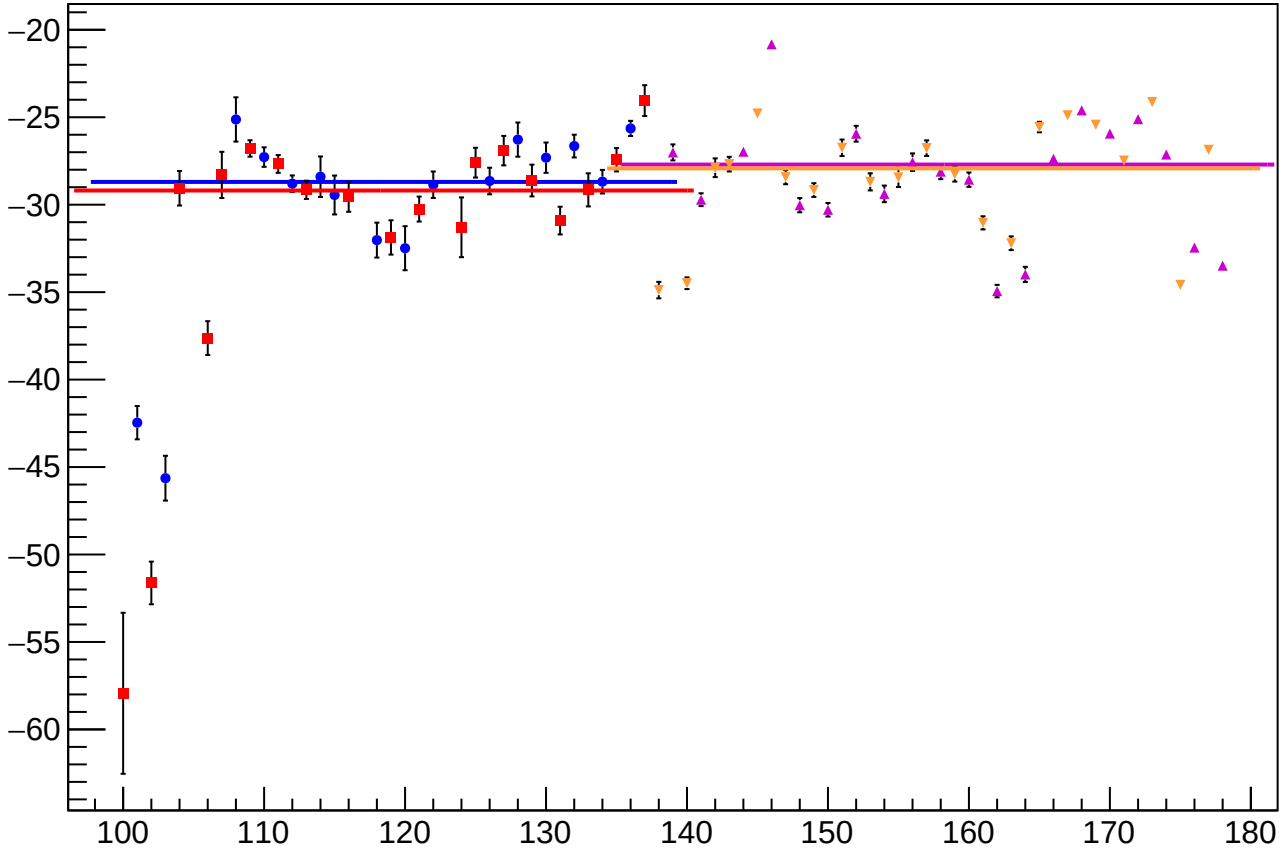
Left In: 0.287+/-0.005 χ^2/NDF:405.9/19

+ sign 0.276+/-0.005 χ^2/NDF: 1064.1/36

All: 0.269+/-0.003 χ^2/NDF: 2422.4/75

- sign 0.262+/-0.005 χ^2/NDF: 1354.2/38

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -28.698+/-0.186 χ^2/NDF: 487.3/15

Left Out: -27.924+/-0.066 χ^2/NDF:2953.7/20

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

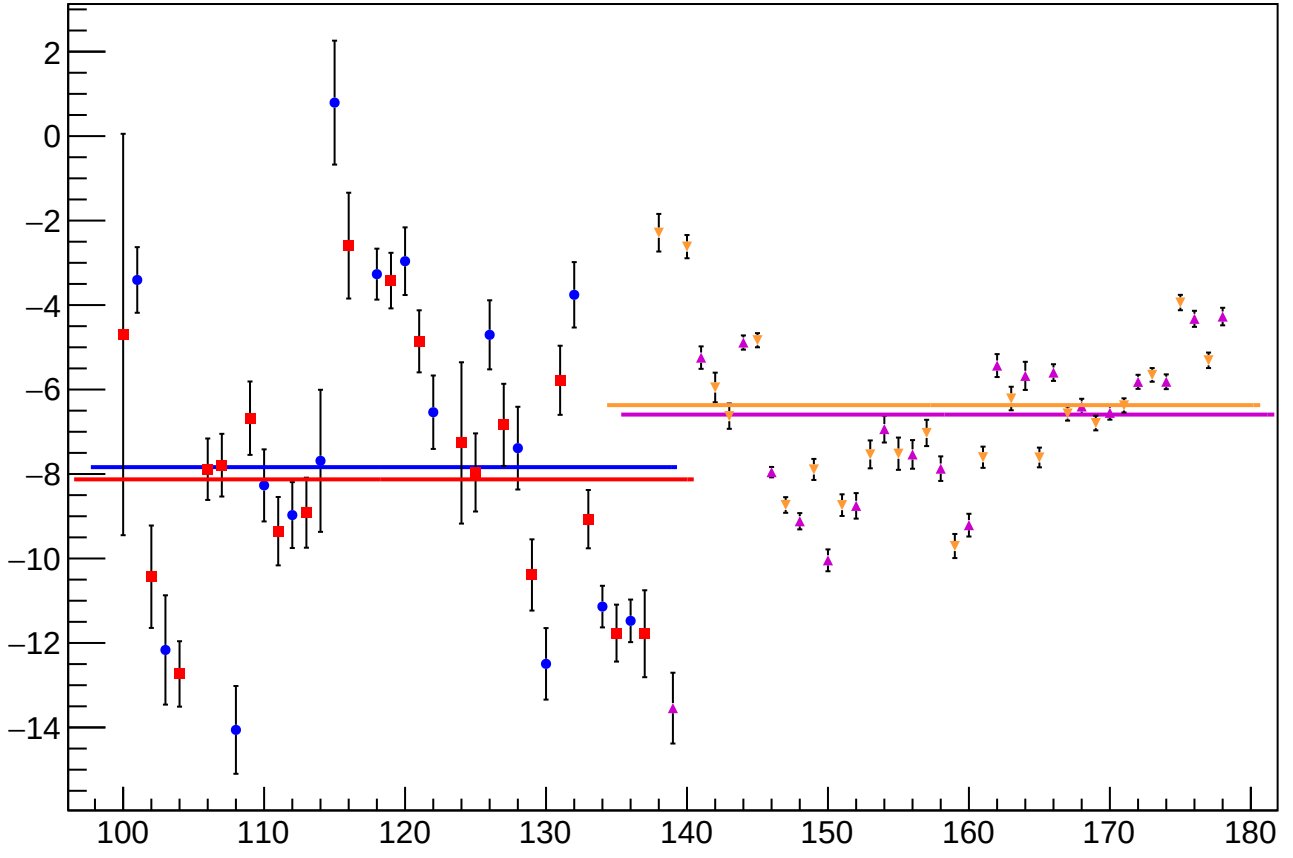
Left In: -27.706+/-0.064 χ^2/NDF:3348.2/19

+ sign -28.010+/-0.062 χ^2/NDF: 3456.4/36

All: -27.937+/-0.043 χ^2/NDF: 7424.3/75

- sign -27.868+/-0.060 χ^2/NDF: 3965.2/38

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -6.369+/-0.049 χ^2/NDF:1095.8/20

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

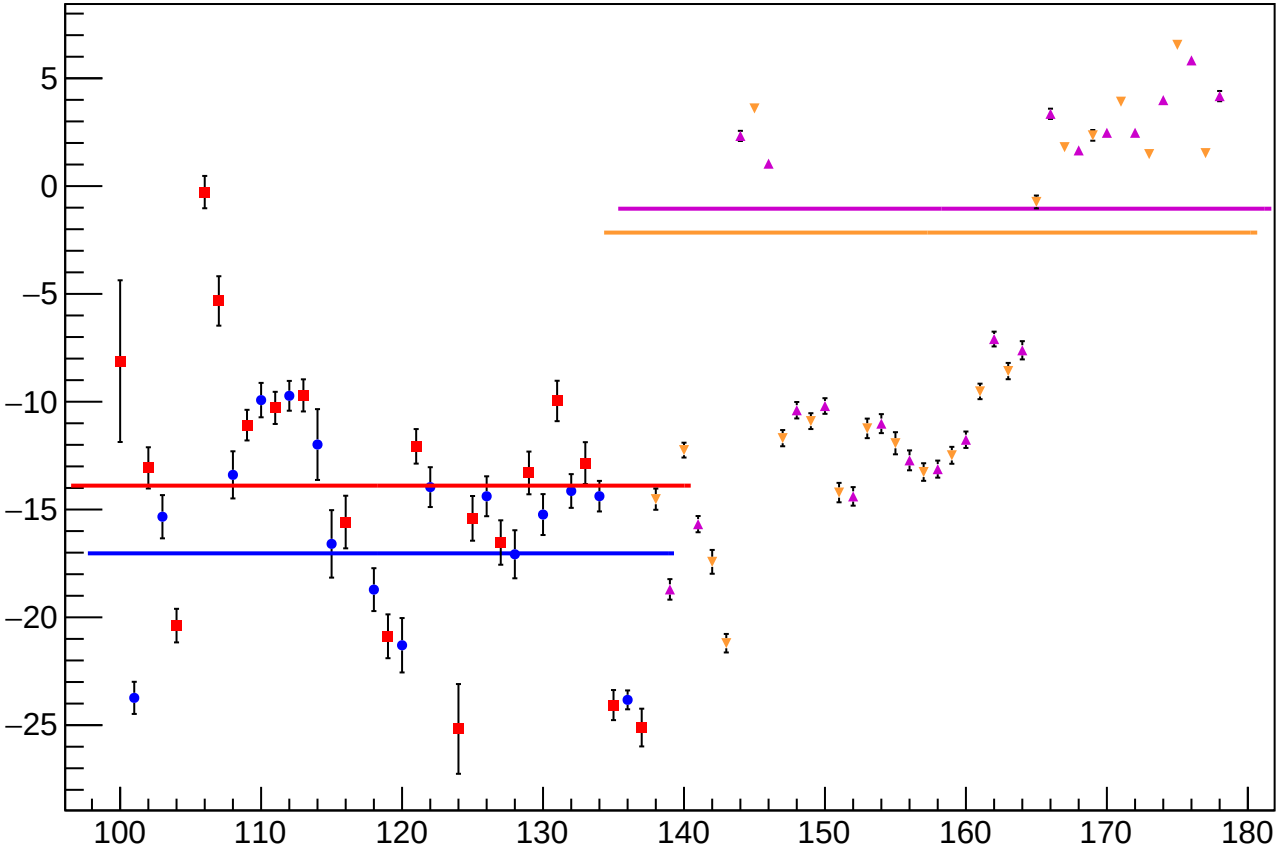
Left In: -6.593+/-0.047 χ^2/NDF:1204.9/19

+ sign -6.455+/-0.047 χ^2/NDF: 1532.4/36

All: -6.569+/-0.033 χ^2/NDF: 3003.4/75

- sign -6.676+/-0.046 χ^2/NDF: 1459.7/38

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -2.156+/-0.065 χ^2/NDF:13760.4/20

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

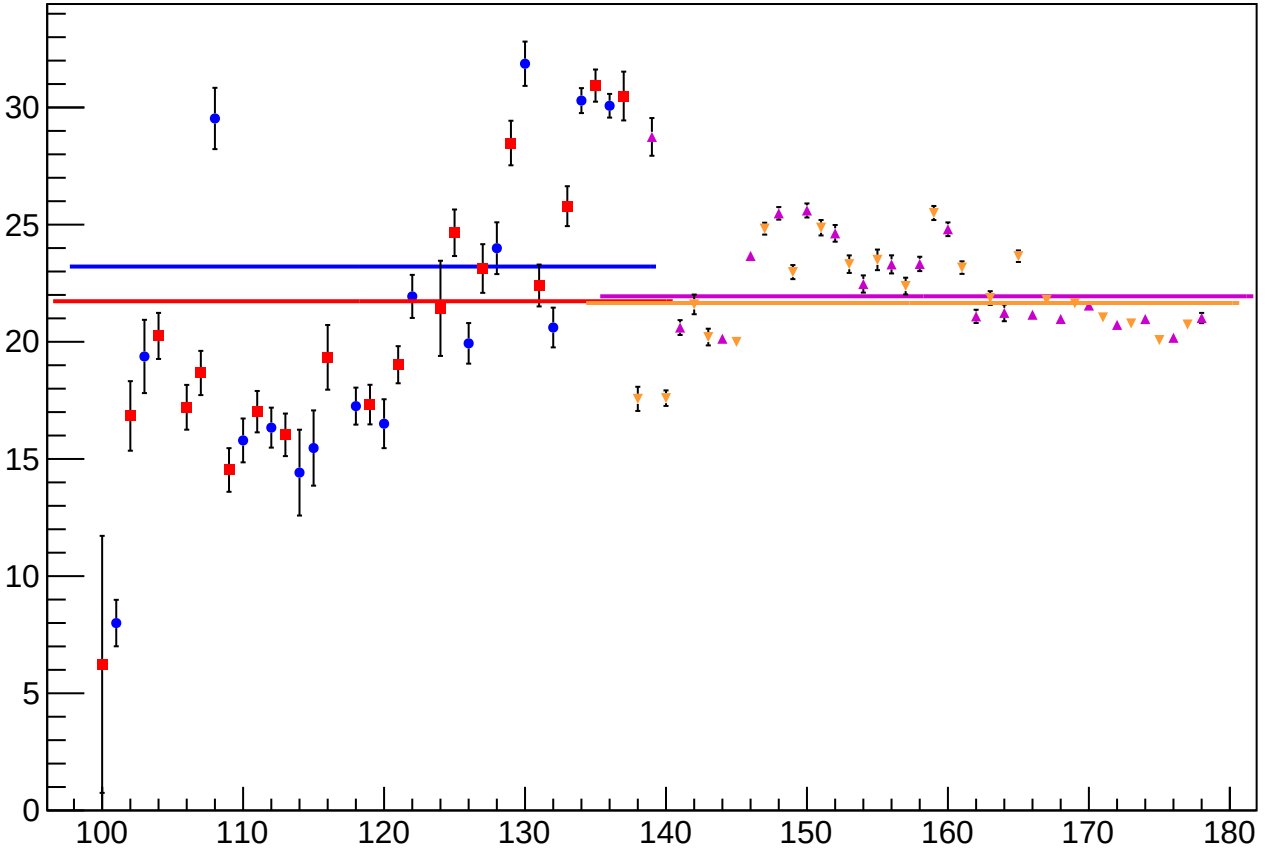
Left In: -1.048+/-0.063 χ^2/NDF:11873.5/19

+ sign -3.480+/-0.062 χ^2/NDF: 18961.0/36

All: -2.785+/-0.044 χ^2/NDF: 35541.2/75

- sign -2.128+/-0.061 χ^2/NDF: 16339.2/38

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 21.656+/-0.055 χ^2/NDF:1004.1/20

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

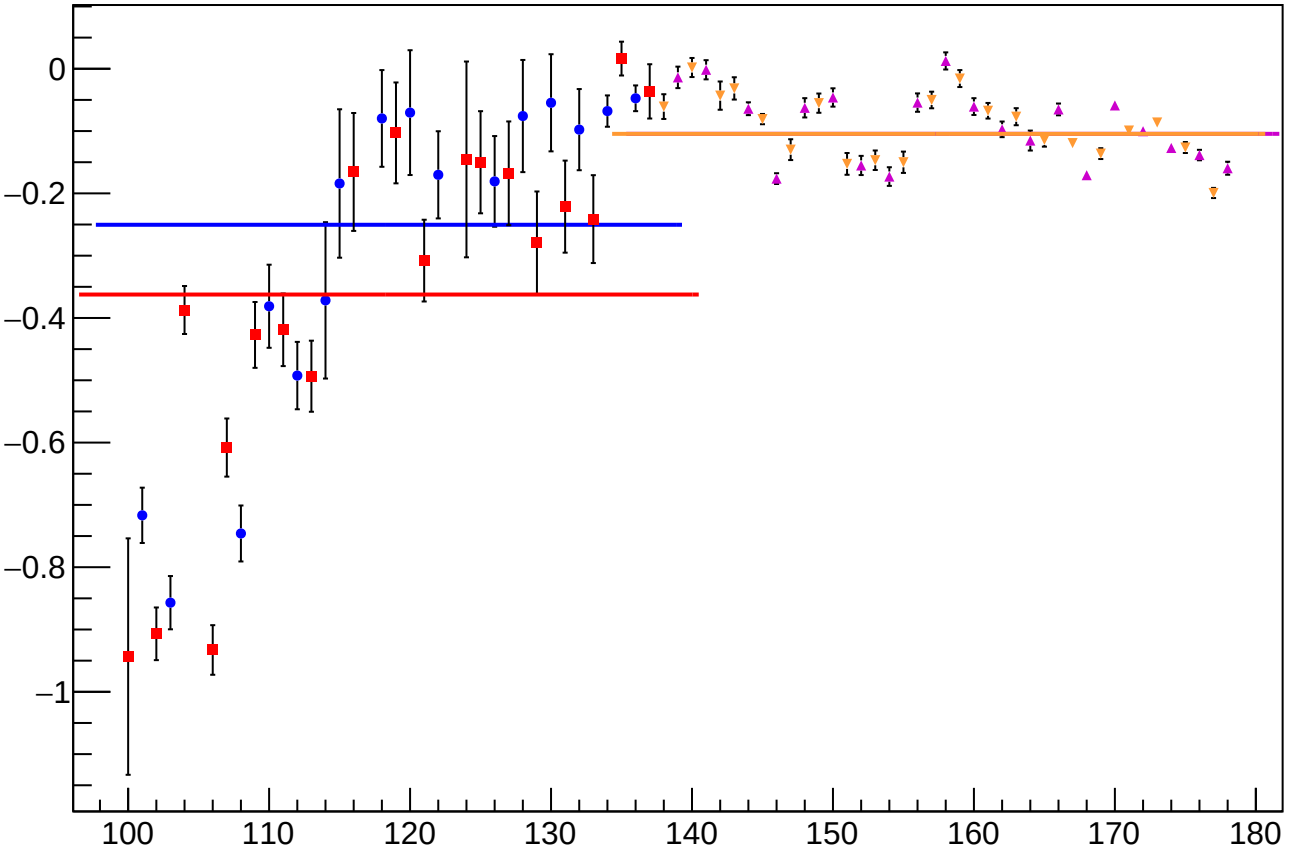
Left In: 21.942+/-0.053 χ^2/NDF:1028.6/19

+ sign 21.748+/-0.053 χ^2/NDF: 2060.1/36

All: 21.842+/-0.037 χ^2/NDF: 3653.8/75

- sign 21.931+/-0.052 χ^2/NDF: 1587.7/38

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.104+/-0.002 χ^2/NDF:356.8/20

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

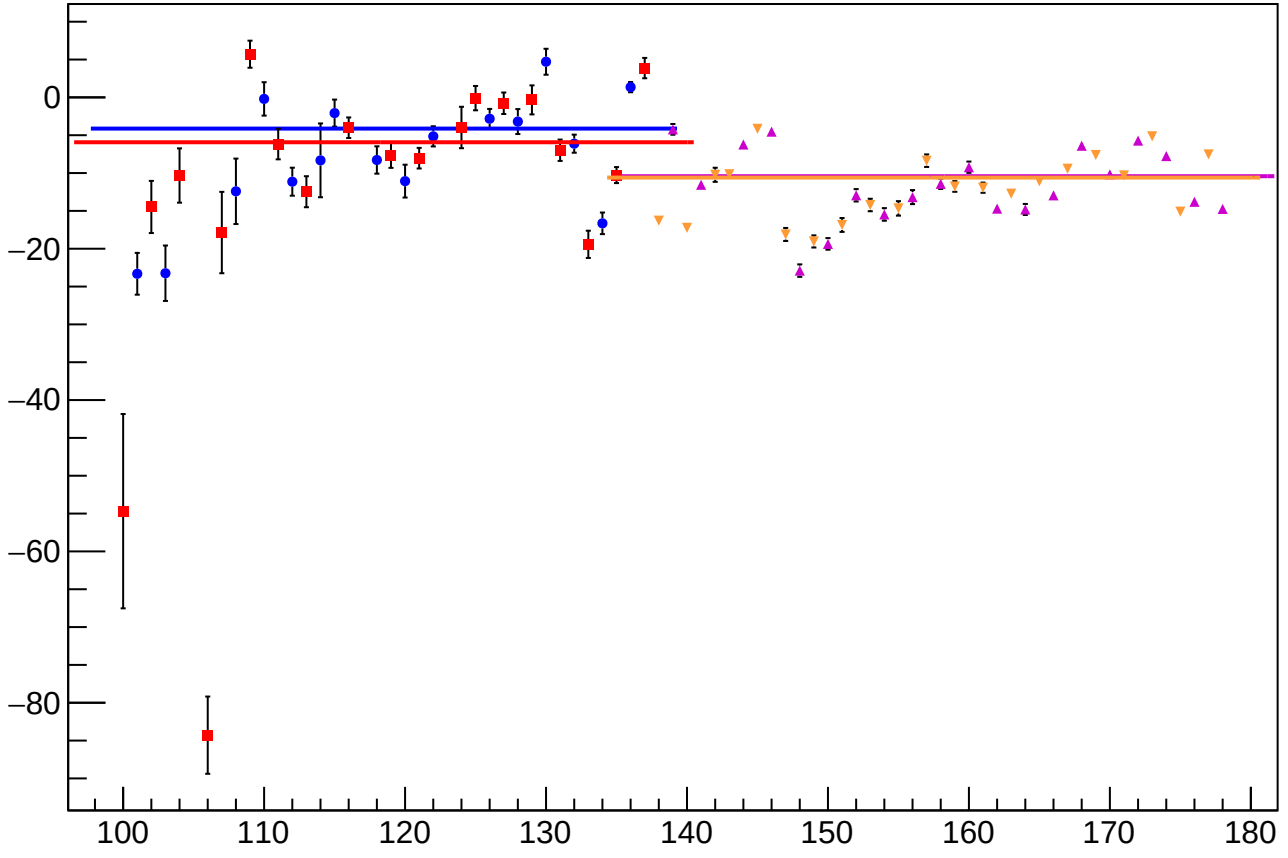
Left In: -0.104+/-0.002 χ^2/NDF:481.2/19

+ sign -0.111+/-0.002 χ^2/NDF: 1140.4/36

All: -0.112+/-0.002 χ^2/NDF: 2747.3/75

- sign -0.114+/-0.002 χ^2/NDF: 1606.0/38

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -10.598+/-0.115 χ^2/NDF:1330.5/20

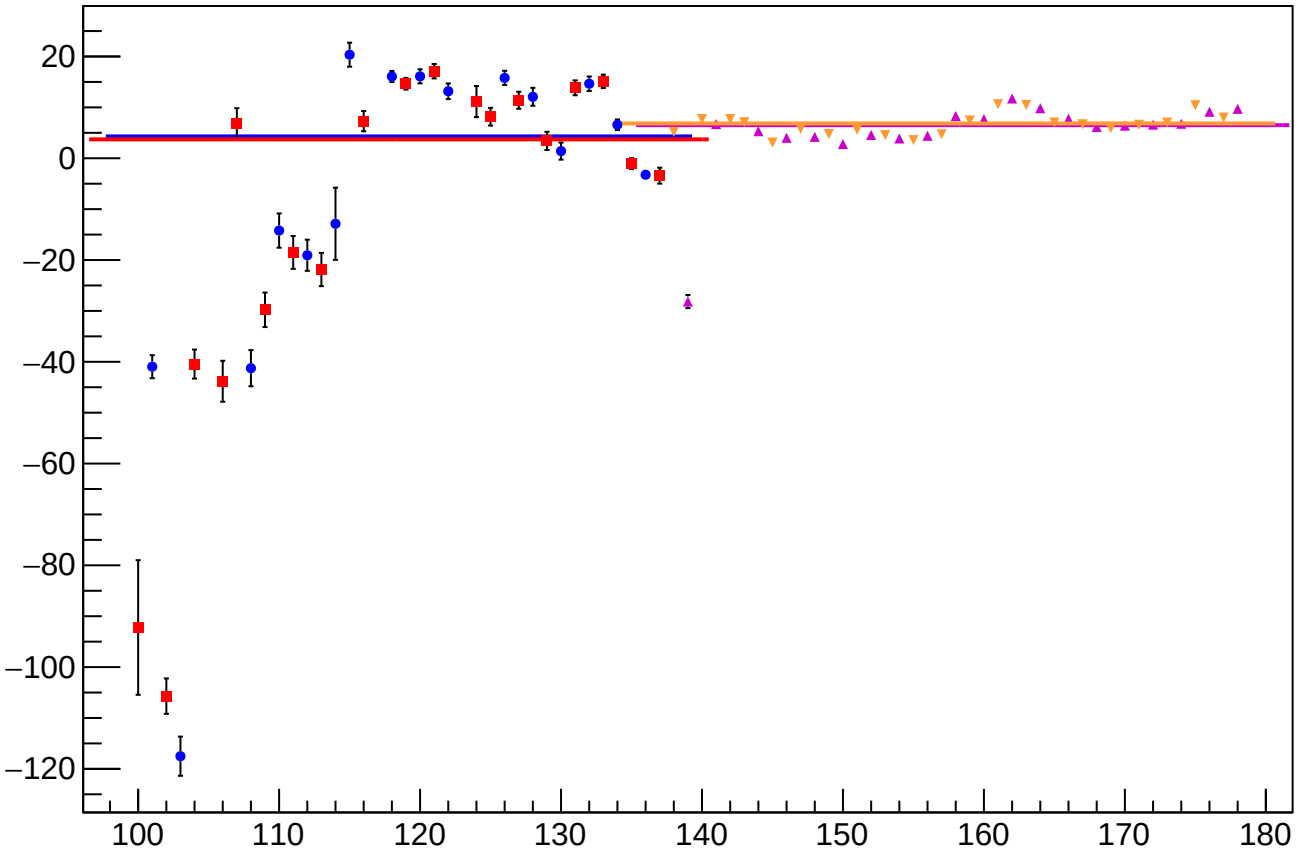
Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

Left In: -10.417+/-0.111 χ^2/NDF:1470.5/19

+ sign -10.060+/-0.110 χ^2/NDF: 1882.2/36

All: -10.083+/-0.077 χ^2/NDF: 3948.0/75

- sign -10.105+/-0.107 χ^2/NDF: 2065.8/38



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 6.844+/-0.086 χ^2/NDF:559.7/20

Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

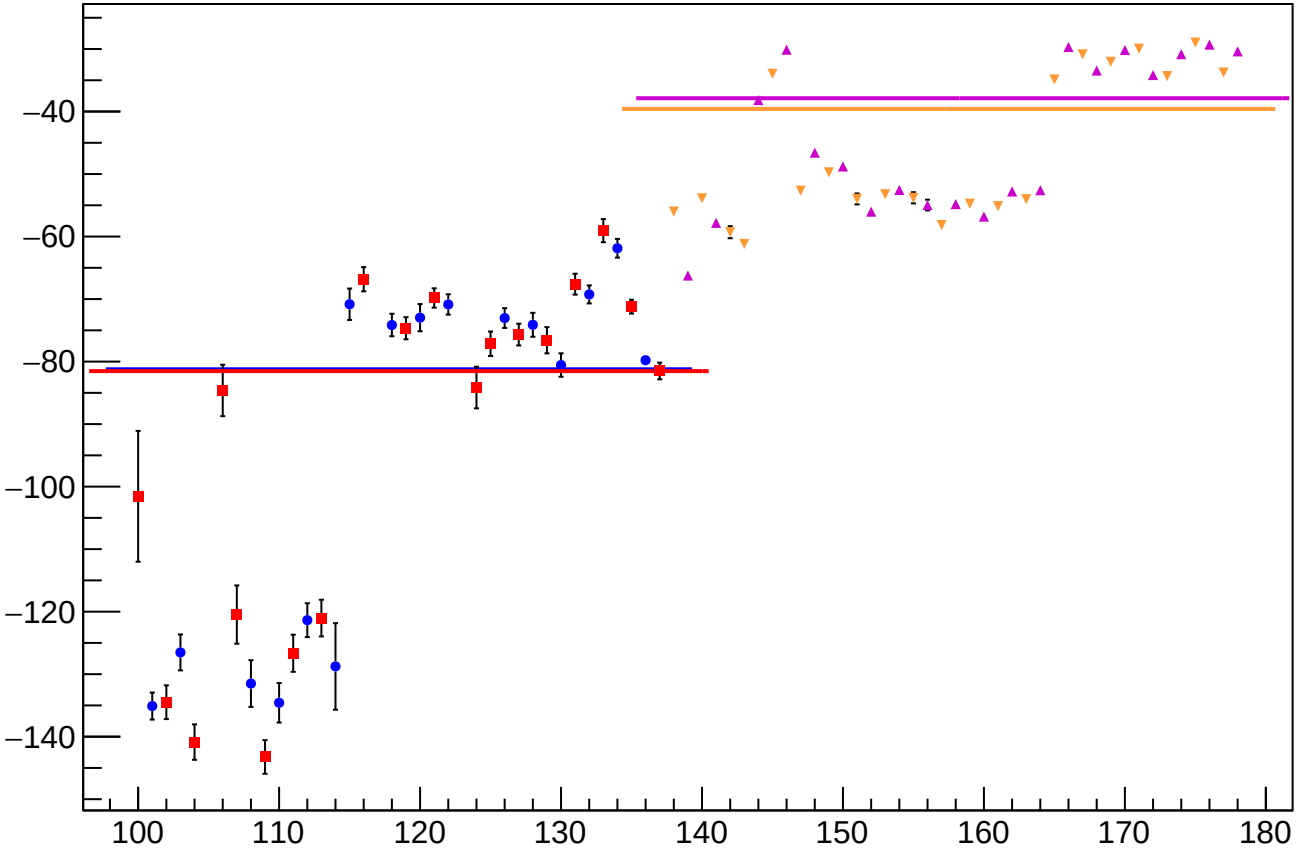
Left In: 6.504+/-0.084 χ^2/NDF:1361.3/19

+ sign 6.721+/-0.084 χ^2/NDF: 2770.6/36

All: 6.556+/-0.059 χ^2/NDF: 6188.5/75

- sign 6.397+/-0.083 χ^2/NDF: 3410.4/38

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -39.582+/-0.115 χ^2/NDF:9228.2/20

Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

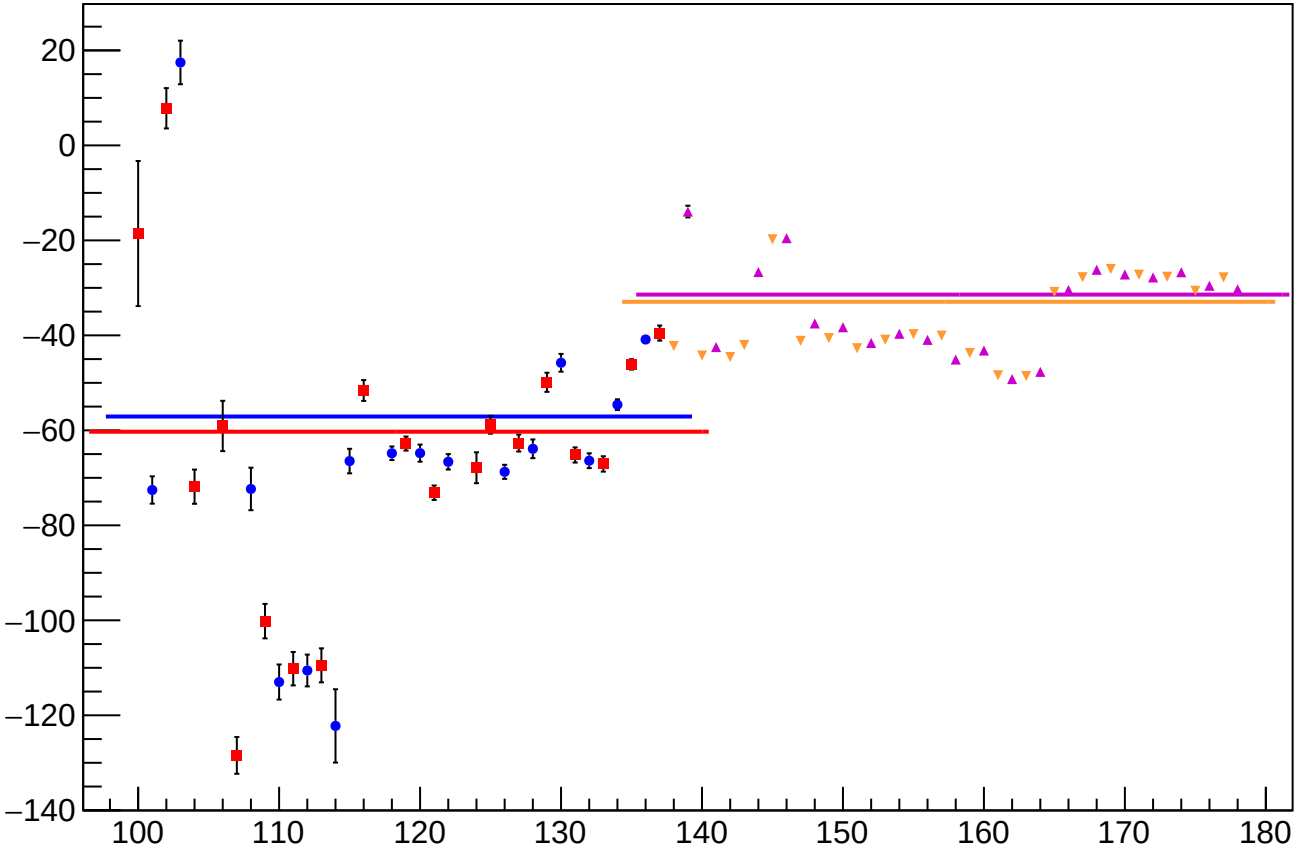
Left In: -37.871+/-0.111 χ^2/NDF:9431.7/19

+ sign -42.517+/-0.111 χ^2/NDF: 20479.3/36

All: -41.364+/-0.077 χ^2/NDF: 40869.1/75

- sign -40.264+/-0.108 χ^2/NDF: 20177.6/38

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -32.932+/-0.097 χ^2/NDF:7539.0/20

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

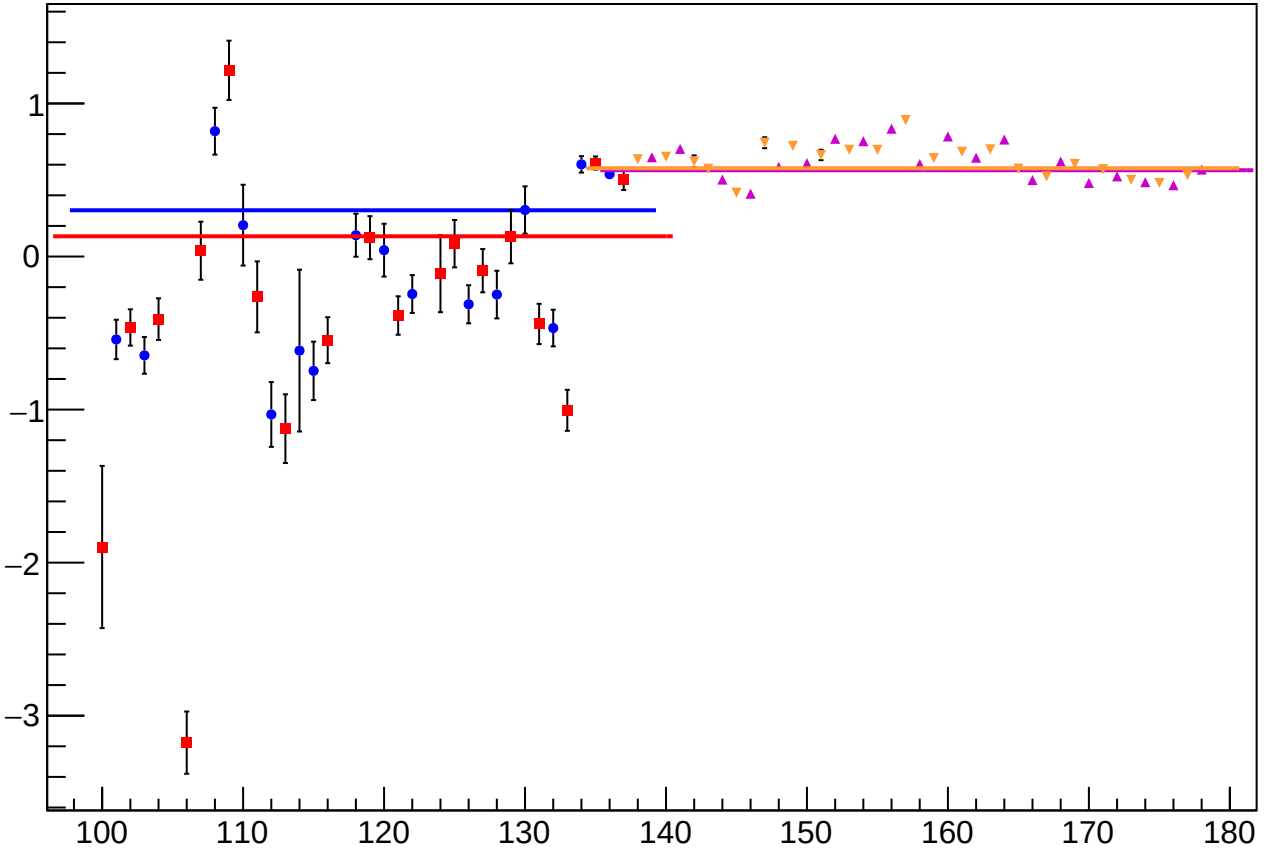
Left In: -31.416+/-0.095 χ^2/NDF:7298.0/19

+ sign -34.116+/-0.094 χ^2/NDF: 12127.7/36

All: -33.316+/-0.066 χ^2/NDF: 24781.4/75

- sign -32.541+/-0.093 χ^2/NDF: 12511.8/38

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.302+/-0.023 χ^2/NDF: 374.8/15

Left Out: 0.577+/-0.004 χ^2/NDF:534.4/20

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

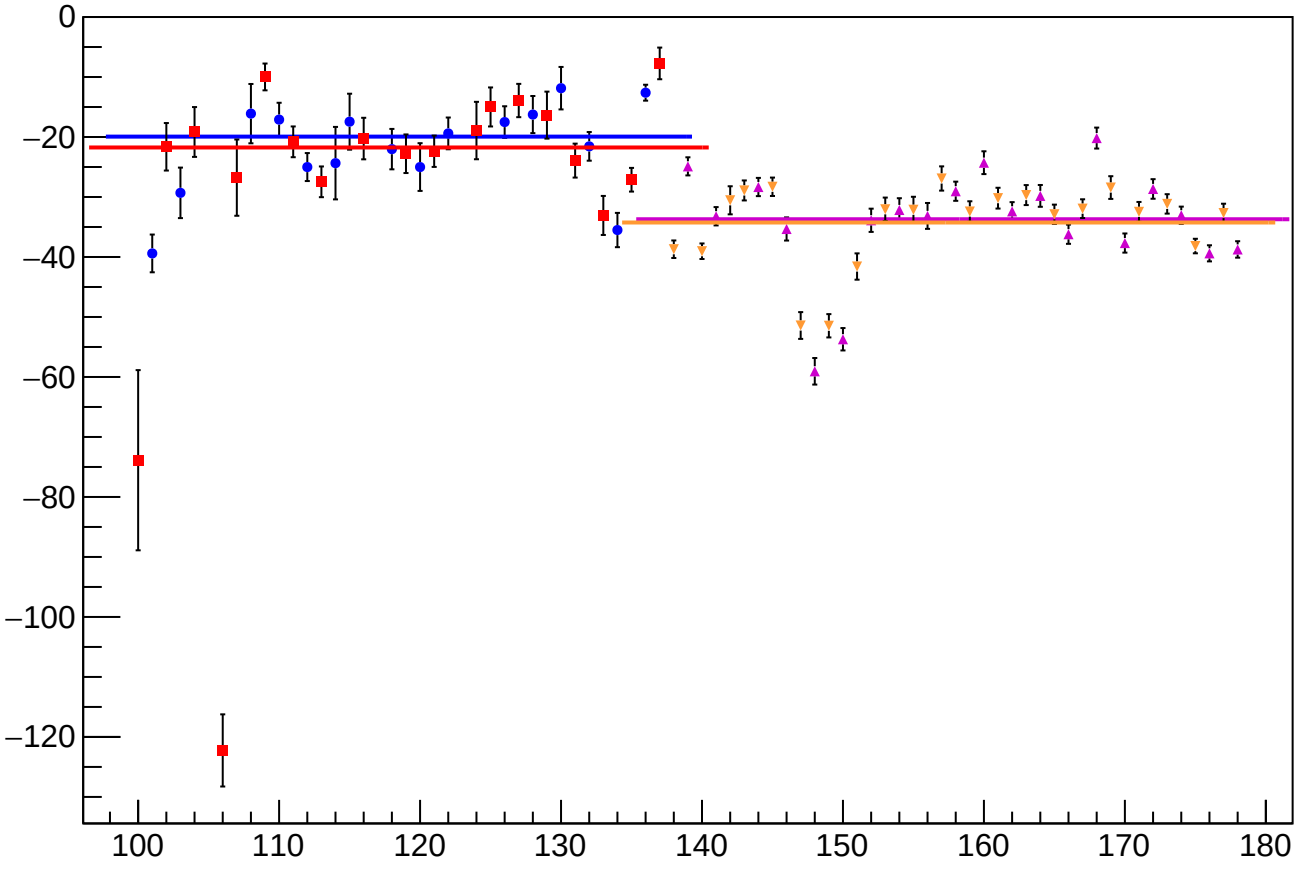
Left In: 0.564+/-0.004 χ^2/NDF:649.6/19

+ sign 0.567+/-0.004 χ^2/NDF: 1047.5/36

All: 0.560+/-0.003 χ^2/NDF: 2634.1/75

- sign 0.553+/-0.004 χ^2/NDF: 1580.8/38

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

Left Out: -34.251+/-0.368 χ^2/NDF:258.0/20

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

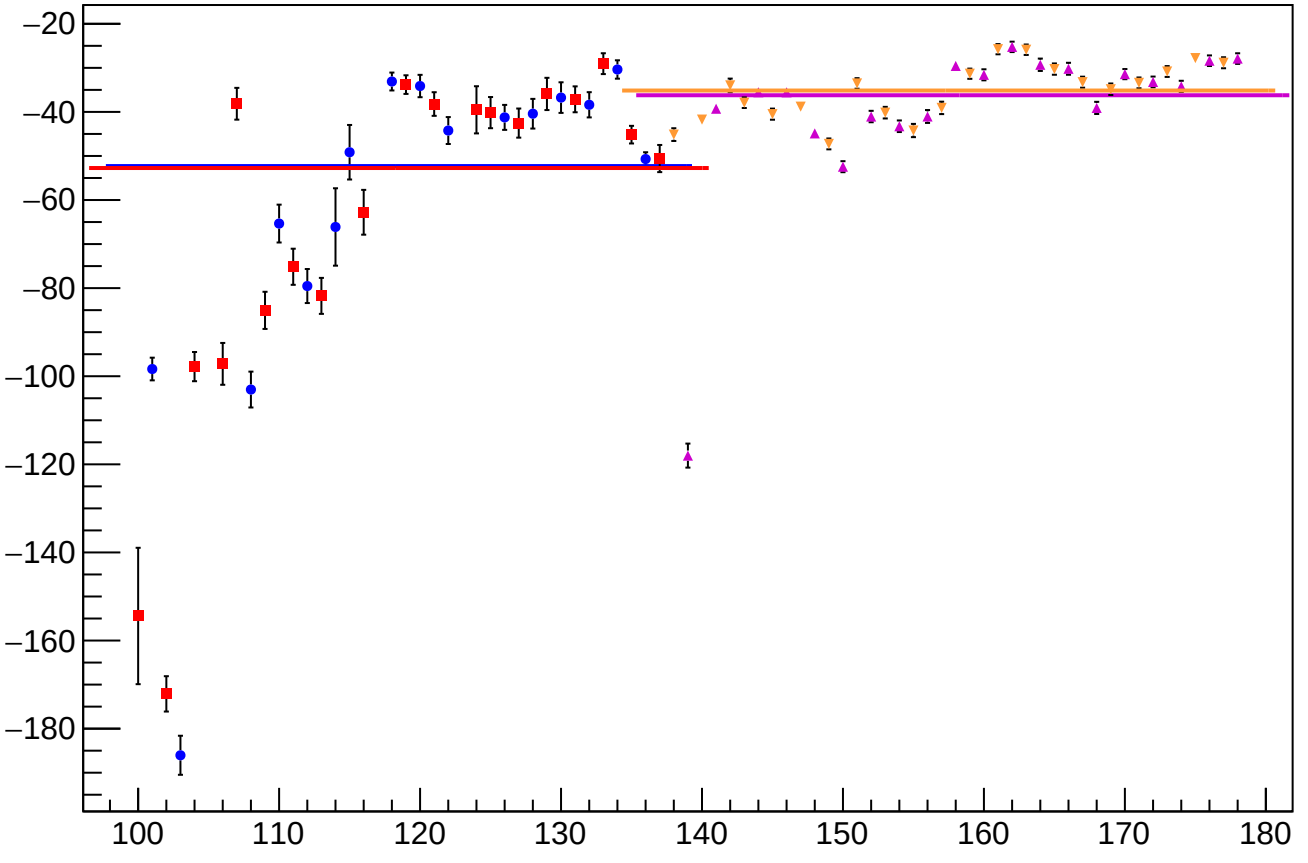
Left In: -33.709+/-0.371 χ^2/NDF:442.3/19

\+ sign -31.113+/-0.325 χ^2/NDF: 710.1/36

All: -31.136+/-0.231 χ^2/NDF: 1761.8/75

\- sign -31.160+/-0.329 χ^2/NDF: 1051.8/38

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -35.145+/-0.271 χ^2/NDF:513.6/20

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

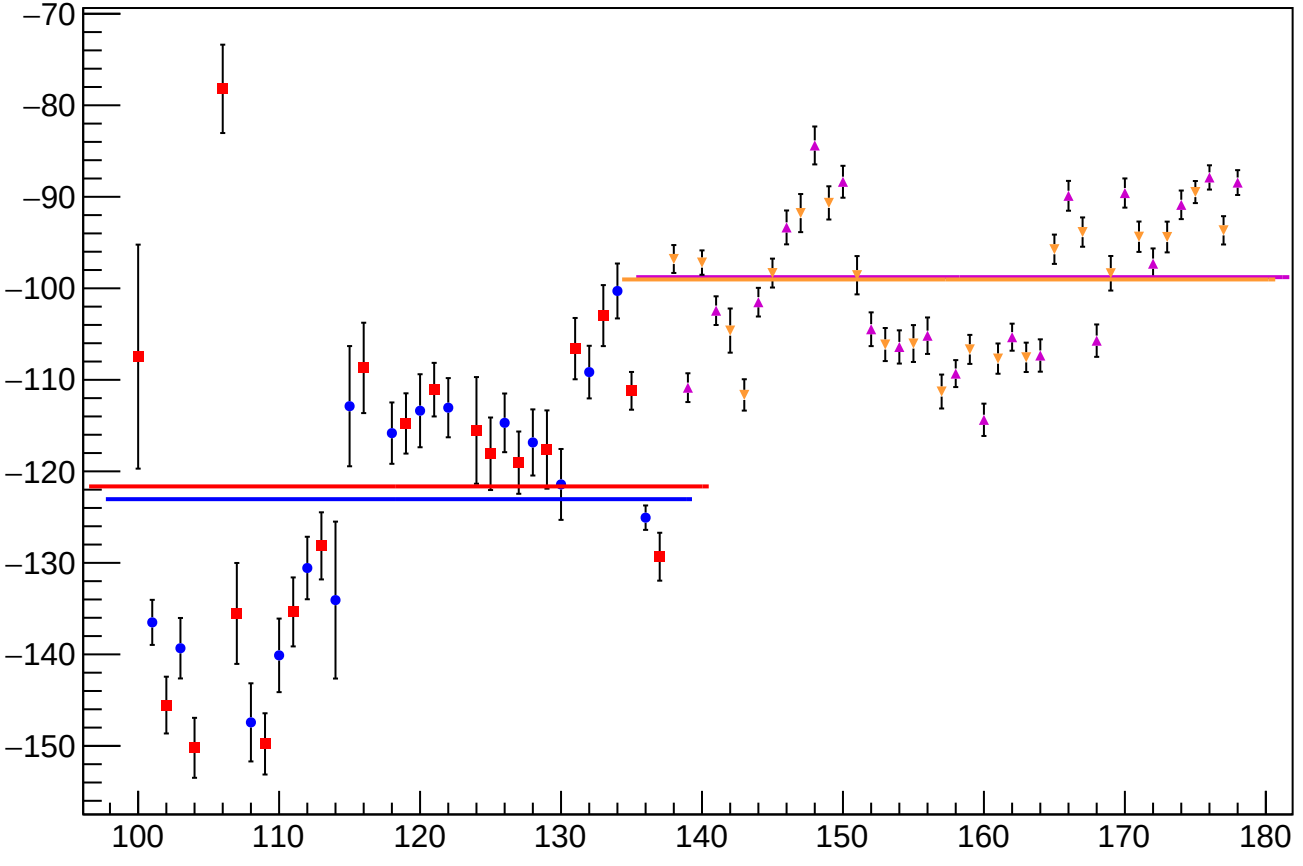
Left In: -36.217+/-0.279 χ^2/NDF:1499.1/19

+ sign -37.332+/-0.253 χ^2/NDF: 2803.6/36

All: -37.766+/-0.182 χ^2/NDF: 6399.4/75

- sign -38.229+/-0.261 χ^2/NDF: 3589.7/38

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -123.039+/-0.750 χ^2/NDF: 226.8/15

Left Out: -99.031+/-0.364 χ^2/NDF:352.3/20

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

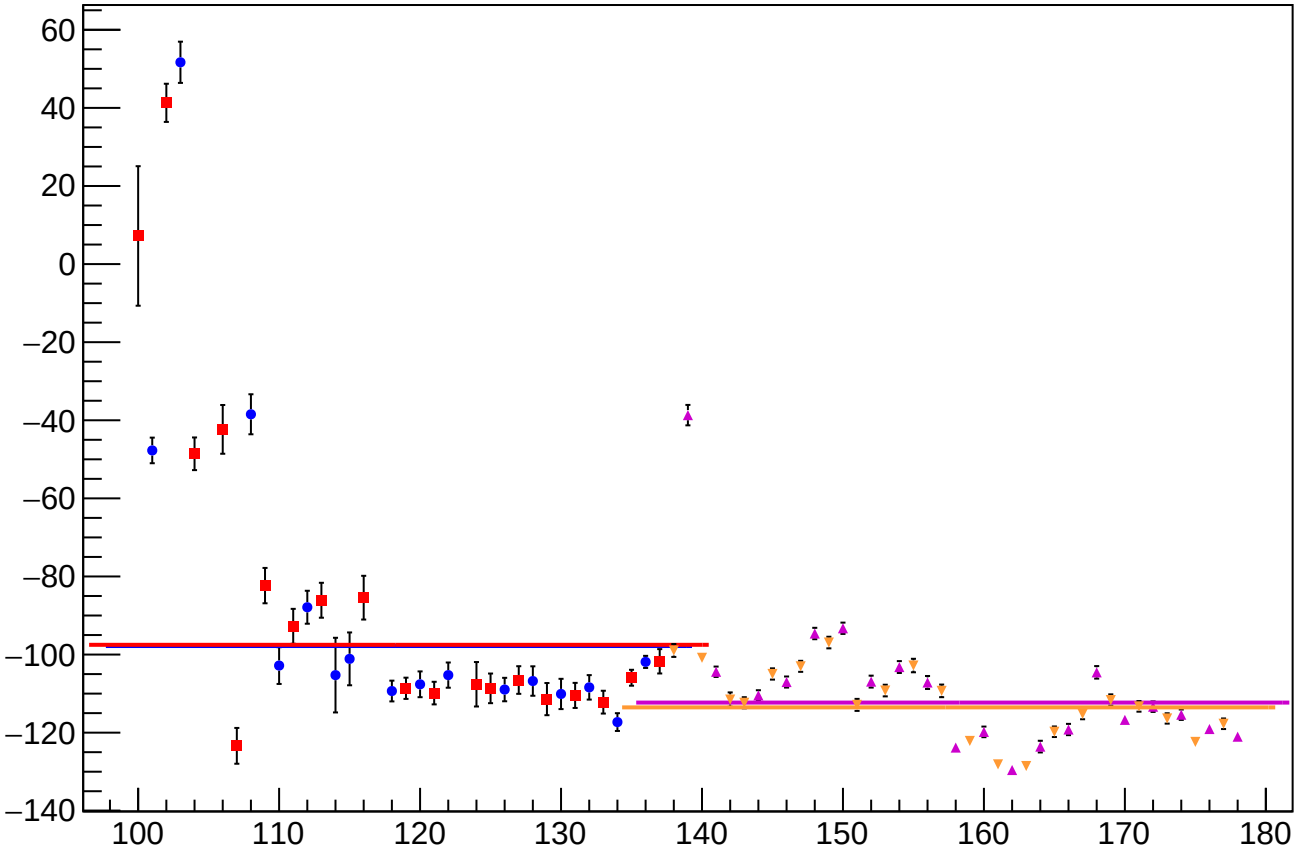
Left In: -98.780+/-0.366 χ^2/NDF:600.0/19

+ sign -103.607+/-0.327 χ^2/NDF: 1408.5/36

All: -103.177+/-0.234 χ^2/NDF: 3110.2/75

- sign -102.733+/-0.333 χ^2/NDF: 1698.2/38

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -97.814+/-0.793 χ^2/NDF: 1330.8/15

Left Out: -113.529+/-0.306 χ^2/NDF:872.5/20

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

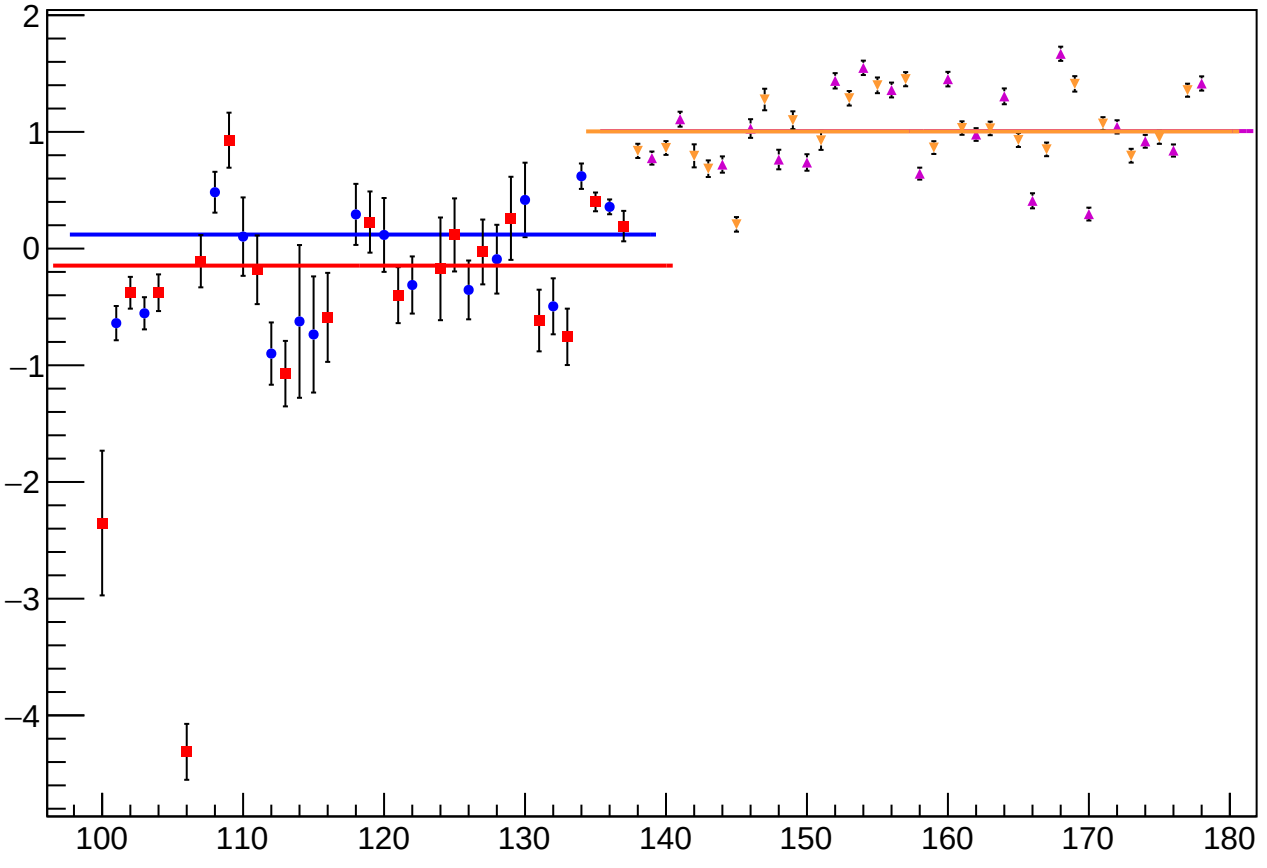
Left In: -112.297+/-0.313 χ^2/NDF:1747.3/19

+ sign -111.488+/-0.286 χ^2/NDF: 2545.0/36

All: -111.010+/-0.205 χ^2/NDF: 5805.3/75

- sign -110.506+/-0.293 χ^2/NDF: 3254.6/38

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/15

Left Out: 1.004+/-0.014 χ^2/NDF:428.0/20

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

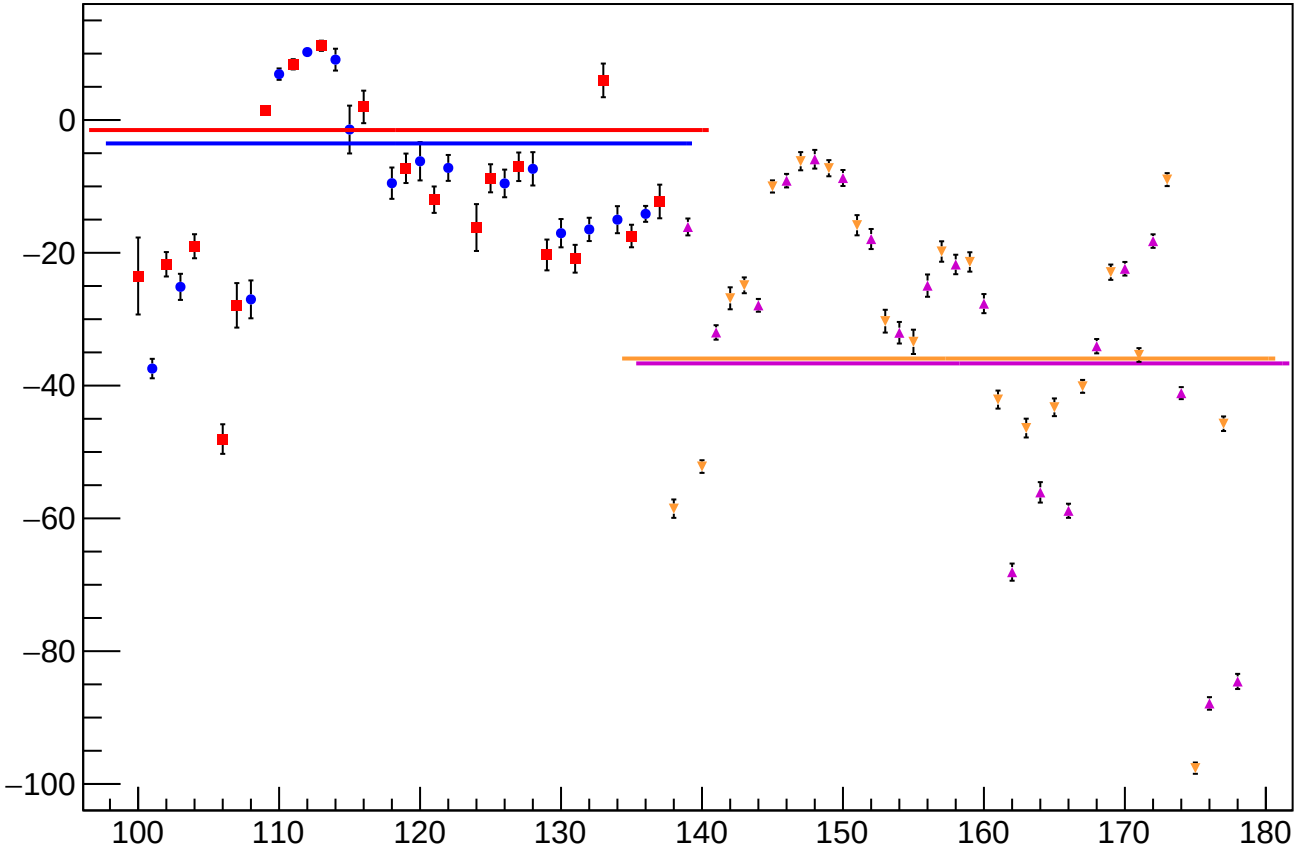
Left In: 1.007+/-0.014 χ^2/NDF:758.7/19

\+ sign 0.915+/-0.013 χ^2/NDF: 965.6/36

All: 0.912+/-0.009 χ^2/NDF: 2748.5/75

\- sign 0.908+/-0.013 χ^2/NDF: 1782.8/38

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -3.527+/-0.377 χ^2/NDF: 1529.1/15

Left Out: -35.923+/-0.261 χ^2/NDF:9253.8/20

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

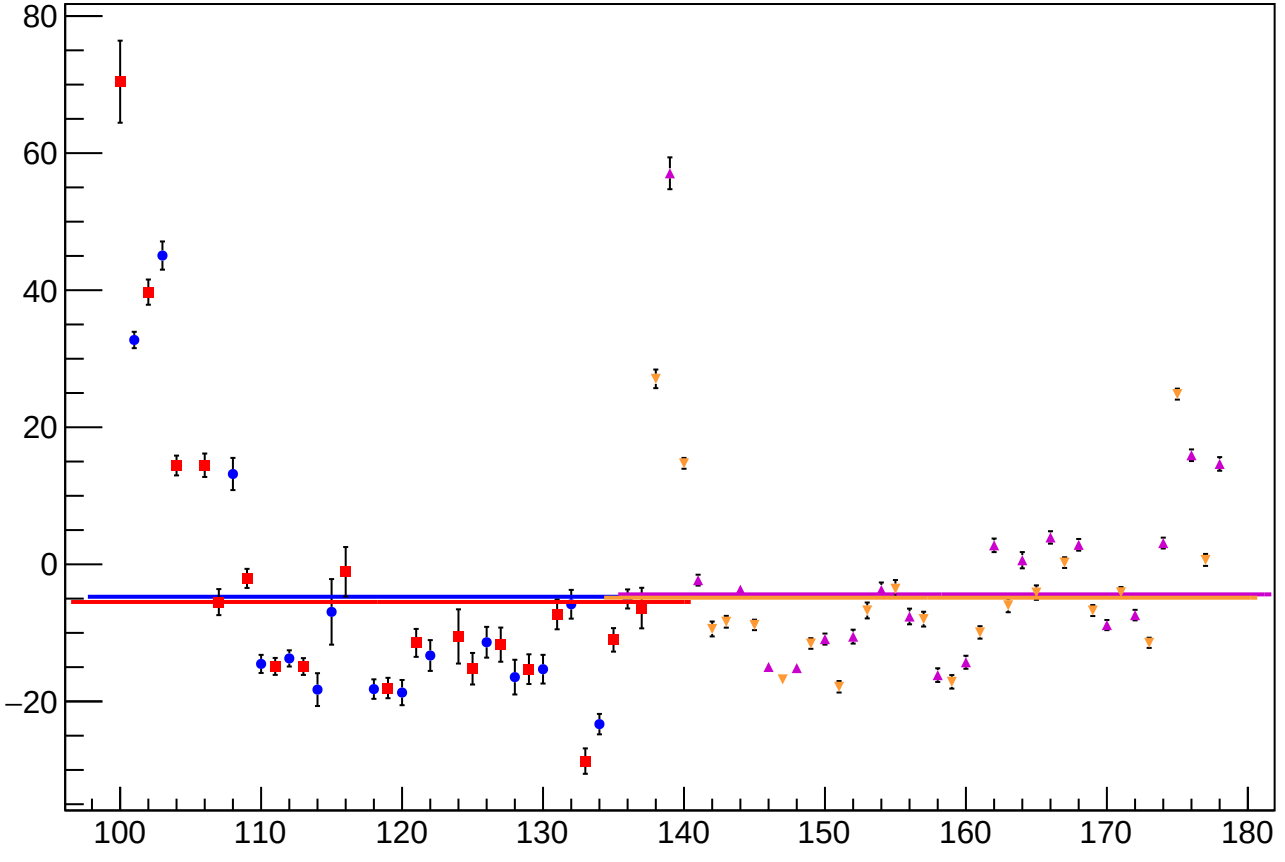
Left In: -36.657+/-0.262 χ^2/NDF:8890.4/19

+ sign -25.408+/-0.215 χ^2/NDF: 15776.5/36

All: -24.421+/-0.149 χ^2/NDF: 32978.9/75

- sign -23.502+/-0.207 χ^2/NDF: 17161.5/38

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: -4.867+/-0.190 χ^2/NDF:3638.4/20

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

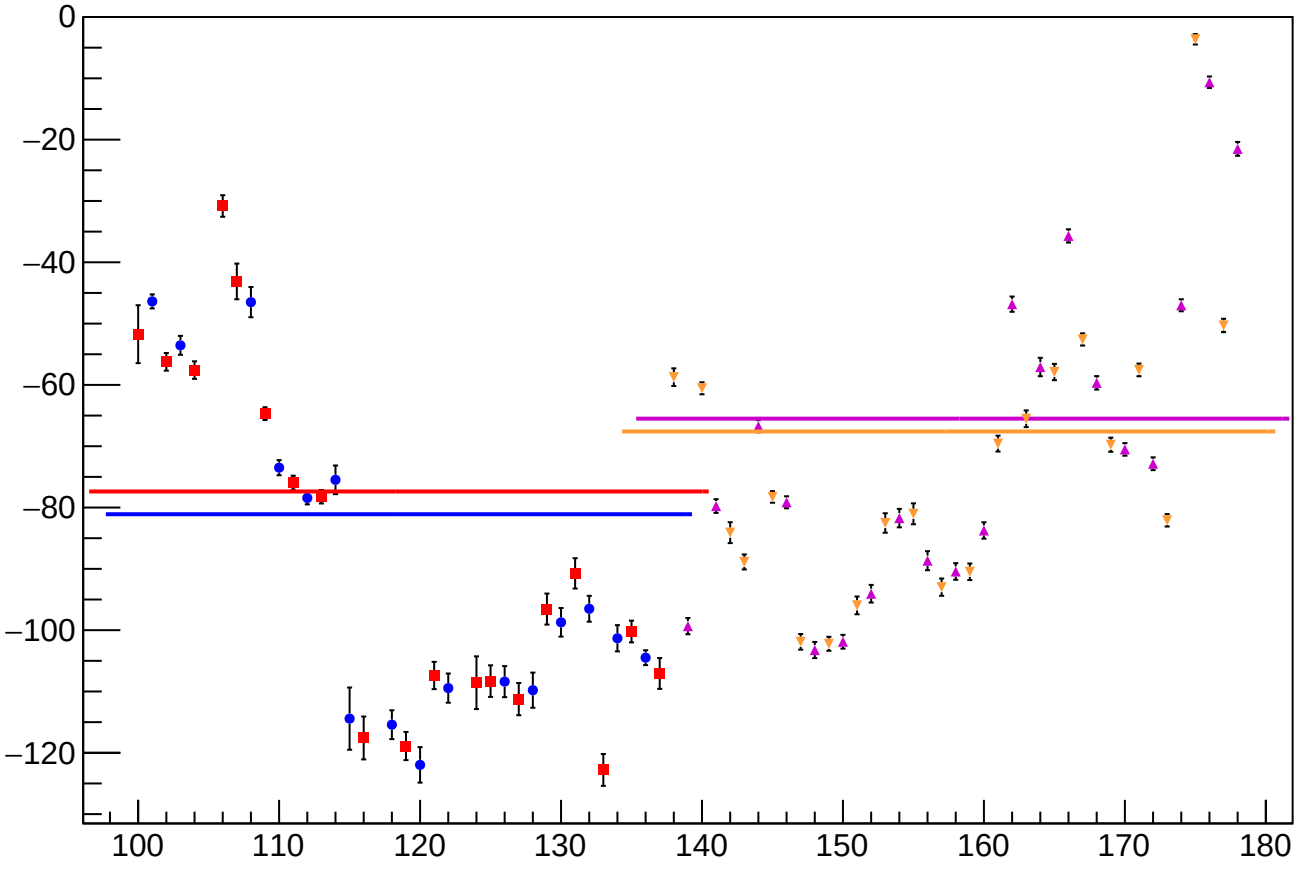
Left In: -4.383+/-0.194 χ^2/NDF:2926.7/19

+ sign -4.845+/-0.174 χ^2/NDF: 5786.5/36

All: -4.712+/-0.124 χ^2/NDF: 10228.7/75

- sign -4.576+/-0.176 χ^2/NDF: 4441.0/38

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -67.594+/-0.259 χ^2/NDF:9915.1/20

Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

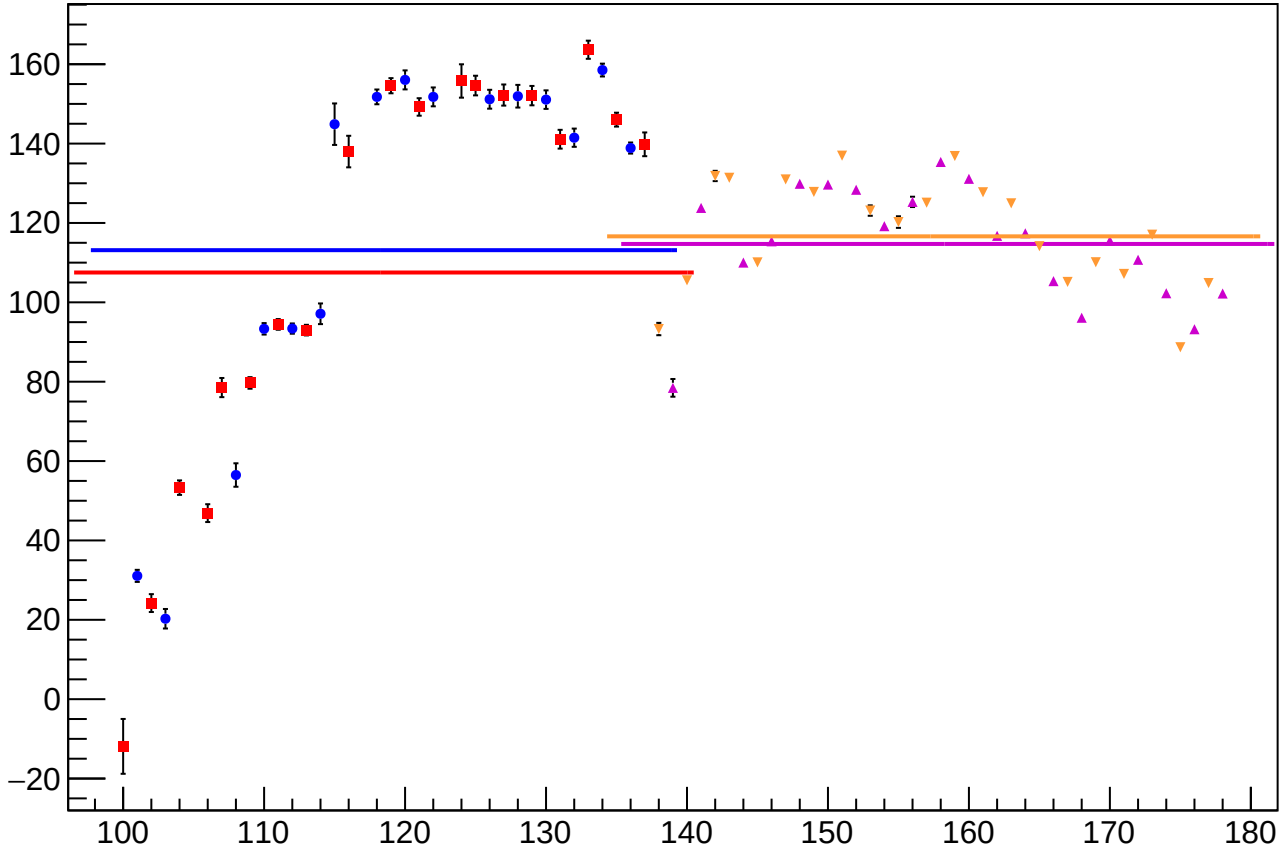
Left In: -65.503+/-0.259 χ^2/NDF:10570.6/19

+ sign -71.088+/-0.223 χ^2/NDF: 13487.9/36

All: -69.940+/-0.157 χ^2/NDF: 27825.6/75

- sign -68.820+/-0.220 χ^2/NDF: 14285.3/38

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 113.143+/-0.489 χ^2/NDF: 8204.1/15

Left Out: 116.627+/-0.217 χ^2/NDF:3825.9/20

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

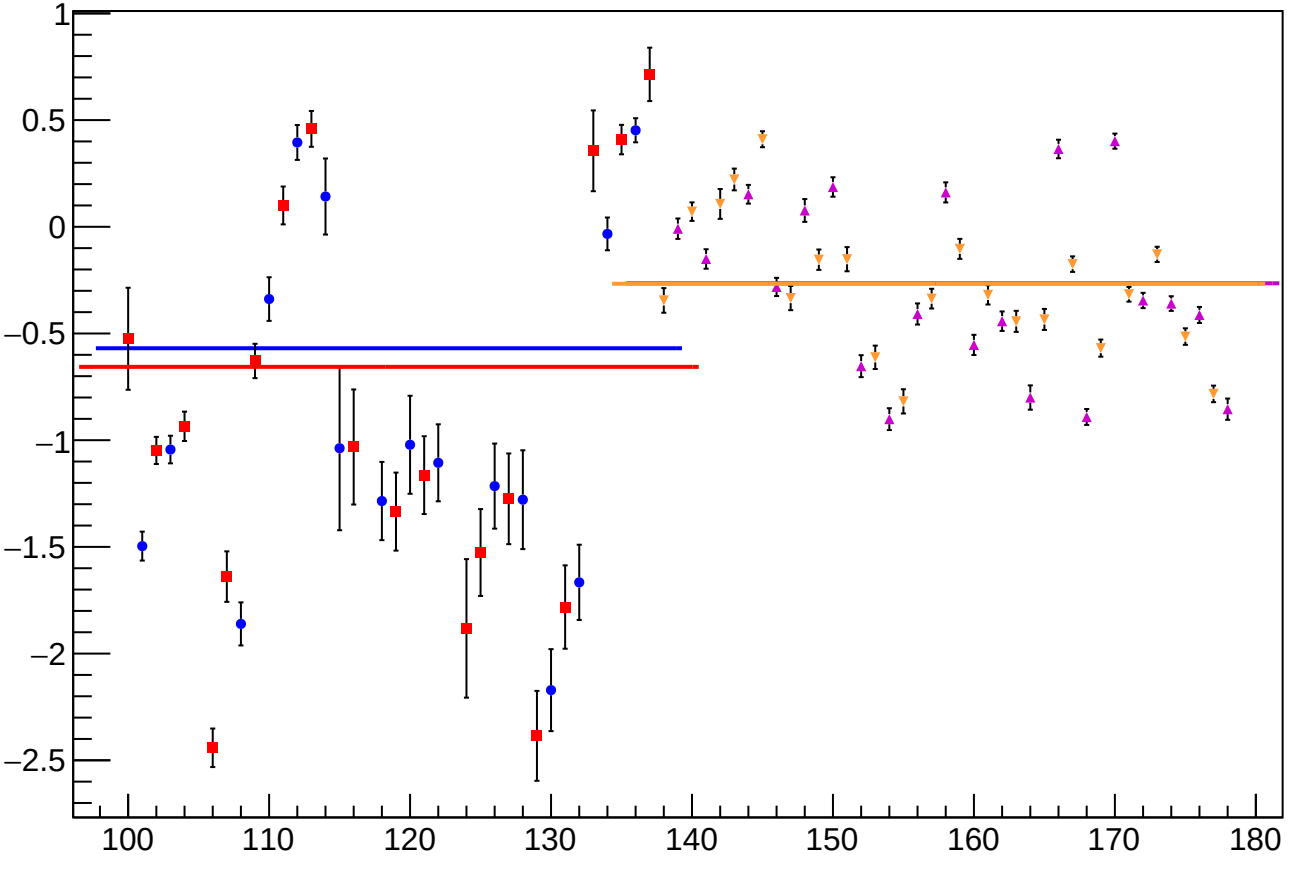
Left In: 114.708+/-0.220 χ^2/NDF:3163.1/19

+ sign 116.054+/-0.198 χ^2/NDF: 12072.4/36

All: 114.767+/-0.141 χ^2/NDF: 23050.6/75

- sign 113.461+/-0.200 χ^2/NDF: 10893.2/38

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: -0.267+/-0.010 χ^2/NDF:993.4/20

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

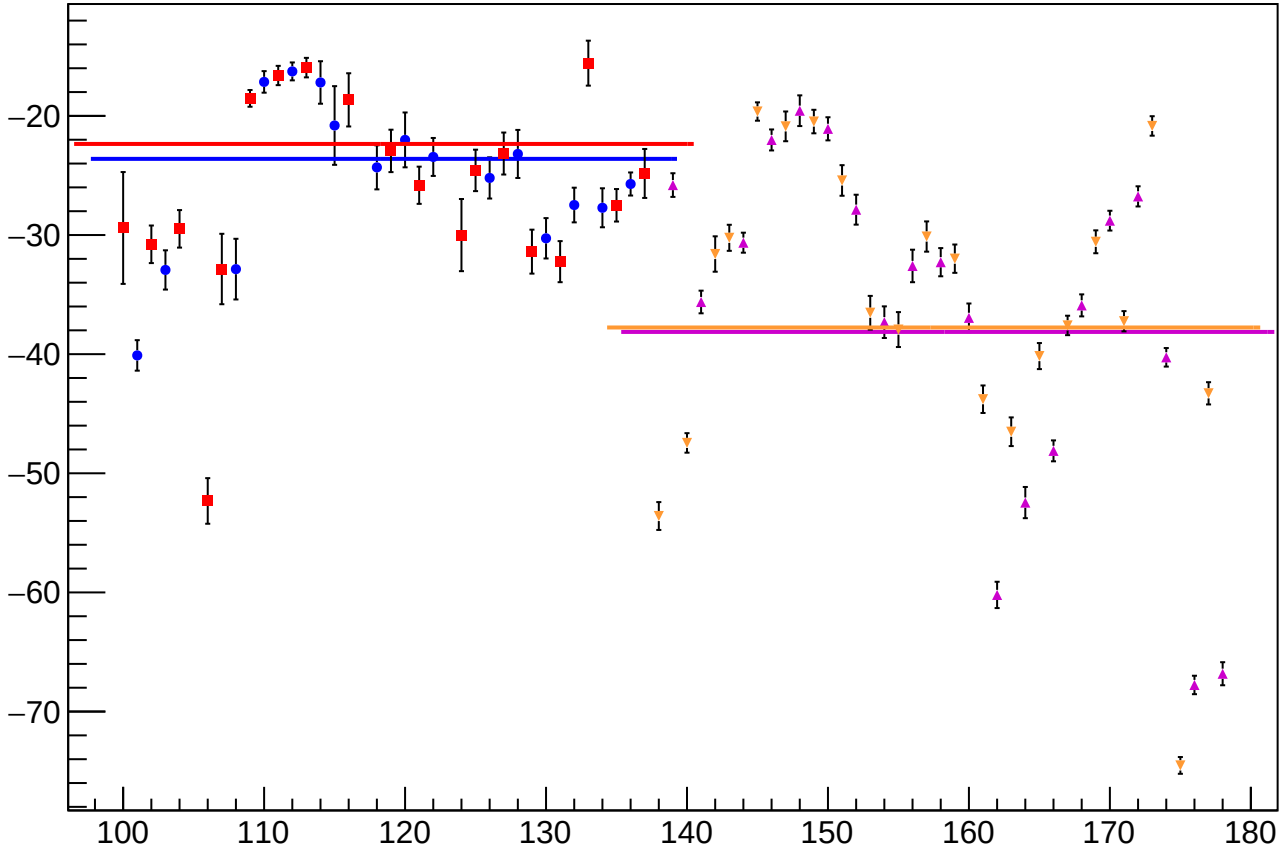
Left In: -0.265+/-0.010 χ^2/NDF:1719.5/19

+ sign -0.305+/-0.009 χ^2/NDF: 2210.8/36

All: -0.311+/-0.006 χ^2/NDF: 5456.0/75

- sign -0.316+/-0.009 χ^2/NDF: 3244.5/38

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

Left Out: -37.761+/-0.220 χ^2/NDF:4918.5/20

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

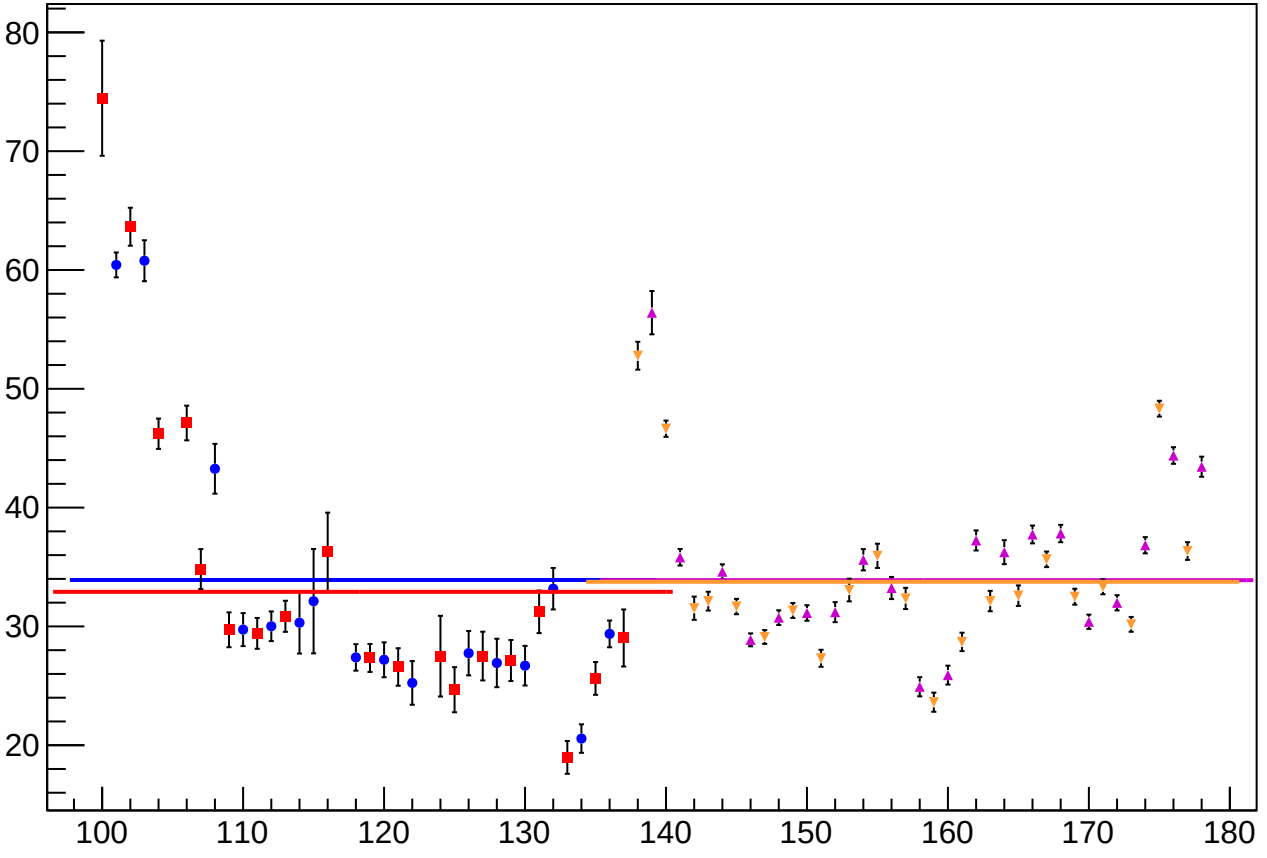
Left In: -38.134+/-0.220 χ^2/NDF:4511.5/19

+ sign -33.726+/-0.186 χ^2/NDF: 6505.5/36

All: -33.415+/-0.130 χ^2/NDF: 13214.9/75

- sign -33.119+/-0.181 χ^2/NDF: 6703.9/38

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 33.756+/-0.162 χ^2/NDF:1549.8/20

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

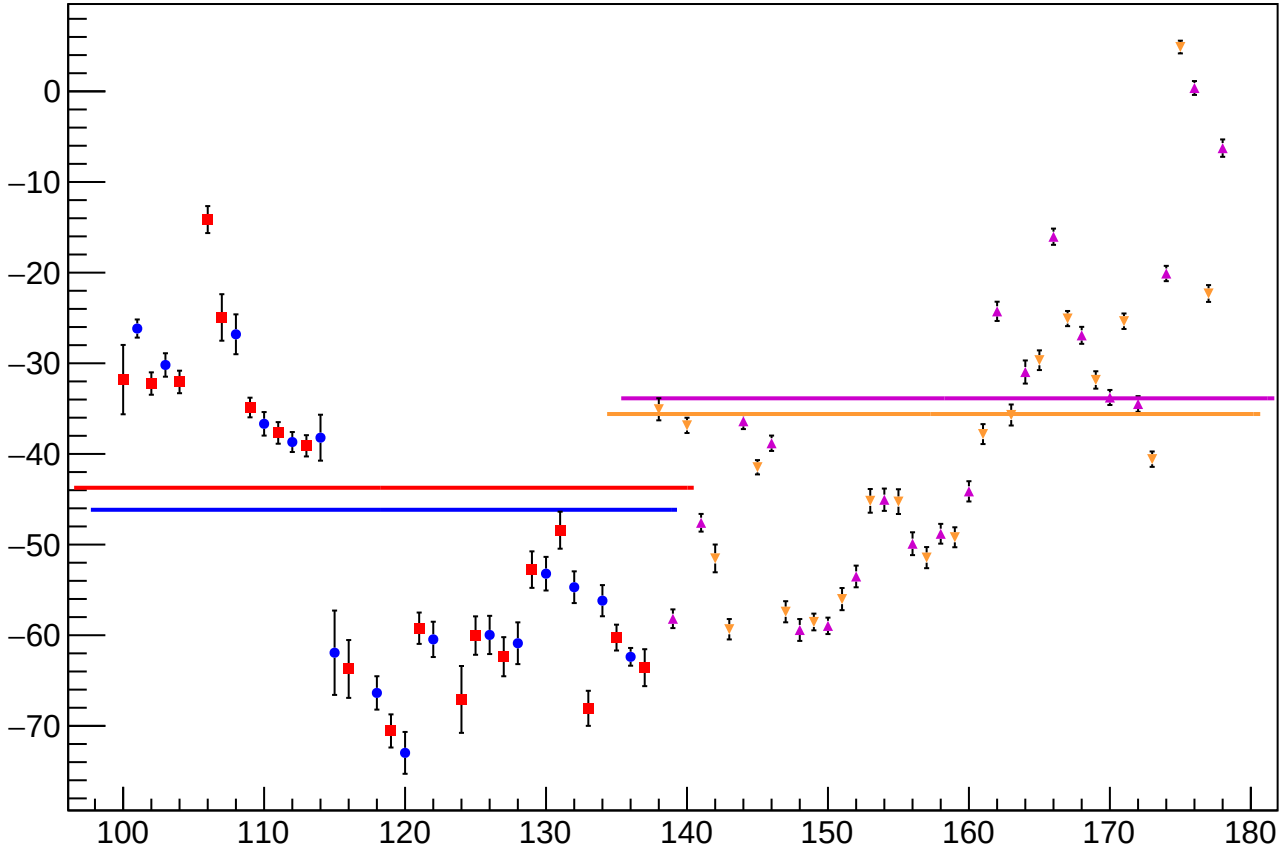
Left In: 33.893+/-0.164 χ^2/NDF:1020.2/19

+ sign 33.780+/-0.149 χ^2/NDF: 2734.4/36

All: 33.757+/-0.106 χ^2/NDF: 4635.4/75

- sign 33.733+/-0.150 χ^2/NDF: 1900.9/38

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -35.596+/-0.218 χ^2/NDF:6212.4/20

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

Left In: -33.865+/-0.218 χ^2/NDF:6432.3/19

+ sign -38.112+/-0.190 χ^2/NDF: 8261.6/36

All: -37.207+/-0.134 χ^2/NDF: 16913.0/75

- sign -36.317+/-0.189 χ^2/NDF: 8606.6/38

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug

Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 75.333+/-0.183 χ^2/NDF:2731.0/20

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

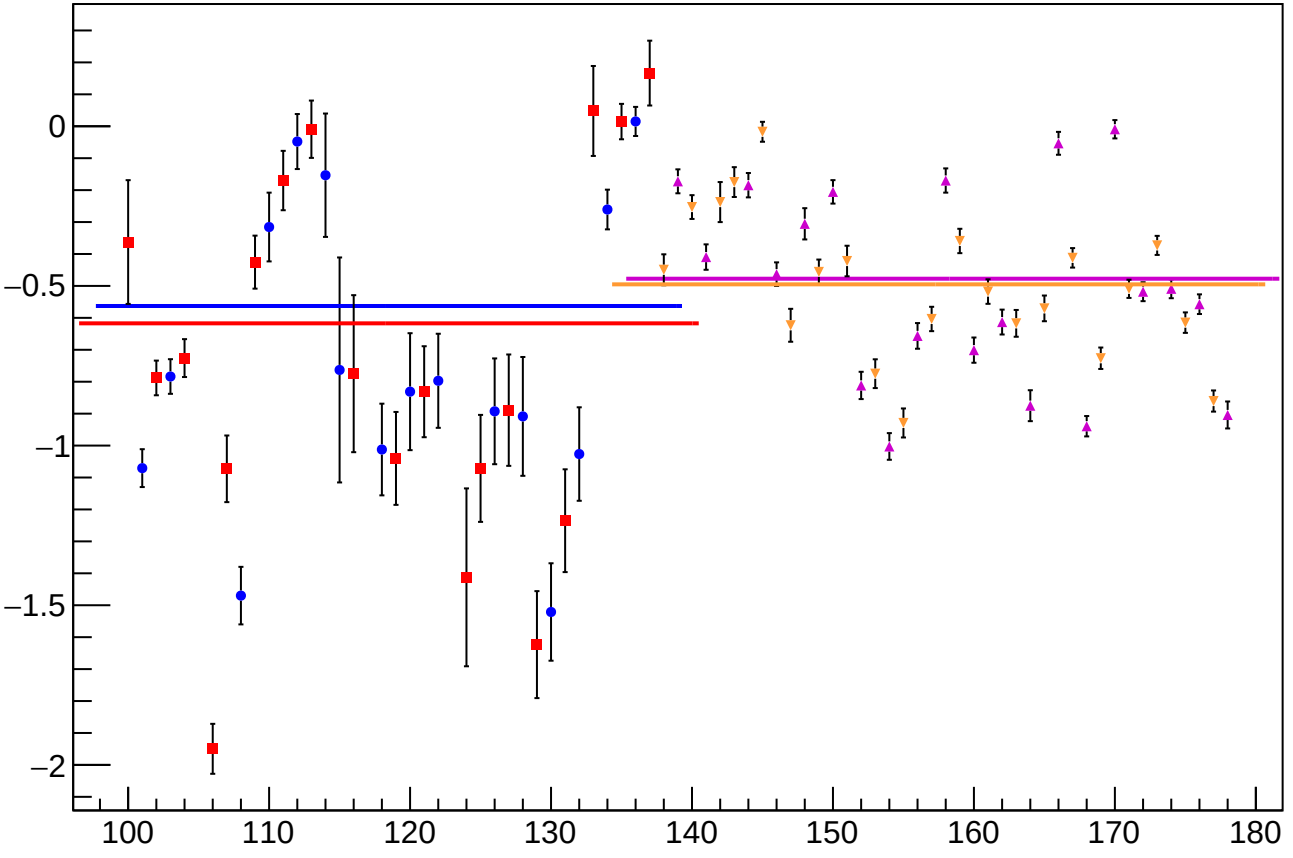
Left In: 73.922+/-0.185 χ^2/NDF:2161.8/19

+ sign 75.288+/-0.168 χ^2/NDF: 8559.7/36

All: 74.417+/-0.120 χ^2/NDF: 16431.5/75

- sign 73.531+/-0.170 χ^2/NDF: 7817.9/38

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.495+/-0.008 χ^2/NDF:721.4/20

Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

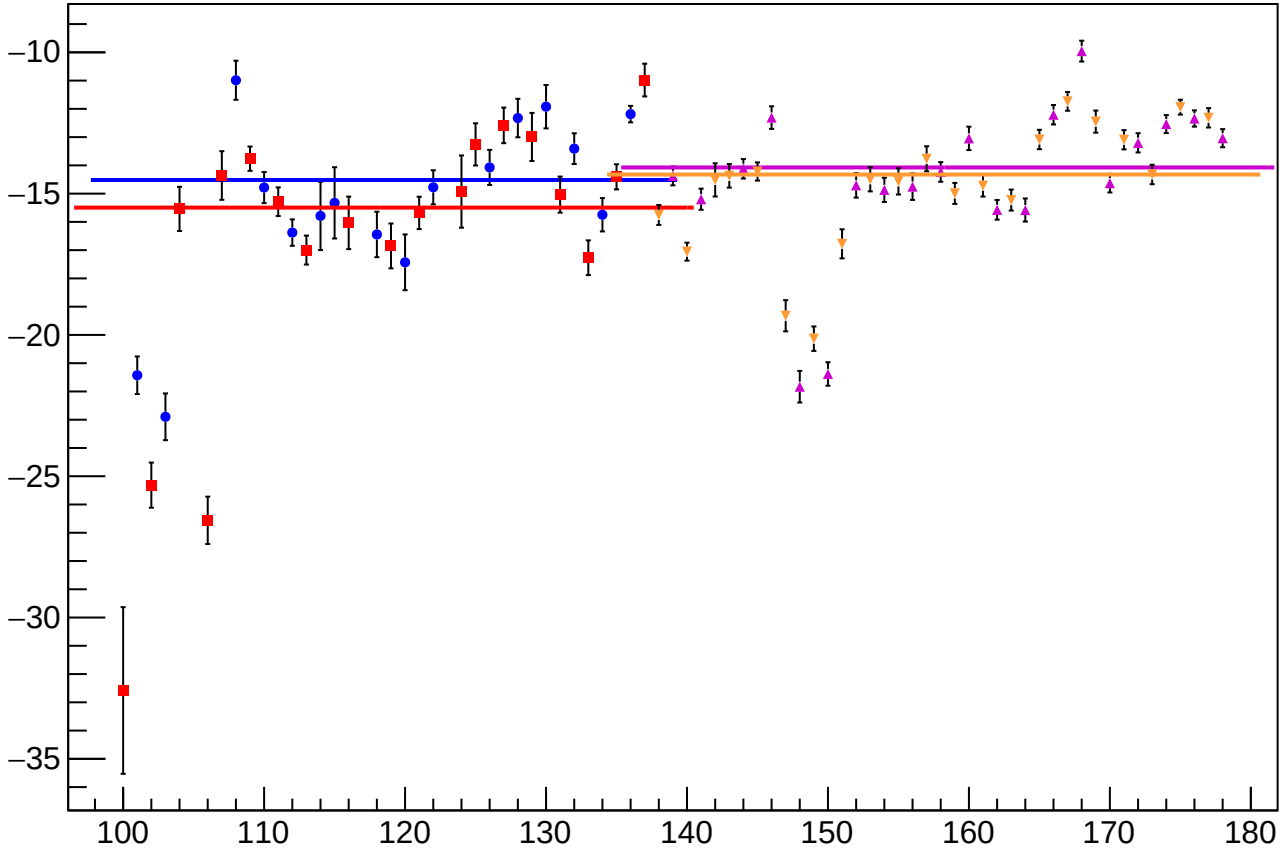
Left In: -0.477+/-0.008 χ^2/NDF:1339.5/19

+ sign -0.503+/-0.008 χ^2/NDF: 1222.6/36

All: -0.499+/-0.005 χ^2/NDF: 3287.7/75

- sign -0.494+/-0.008 χ^2/NDF: 2064.4/38

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -14.518+/-0.149 χ^2/NDF: 363.3/15

Left Out: -14.324+/-0.082 χ^2/NDF:612.5/20

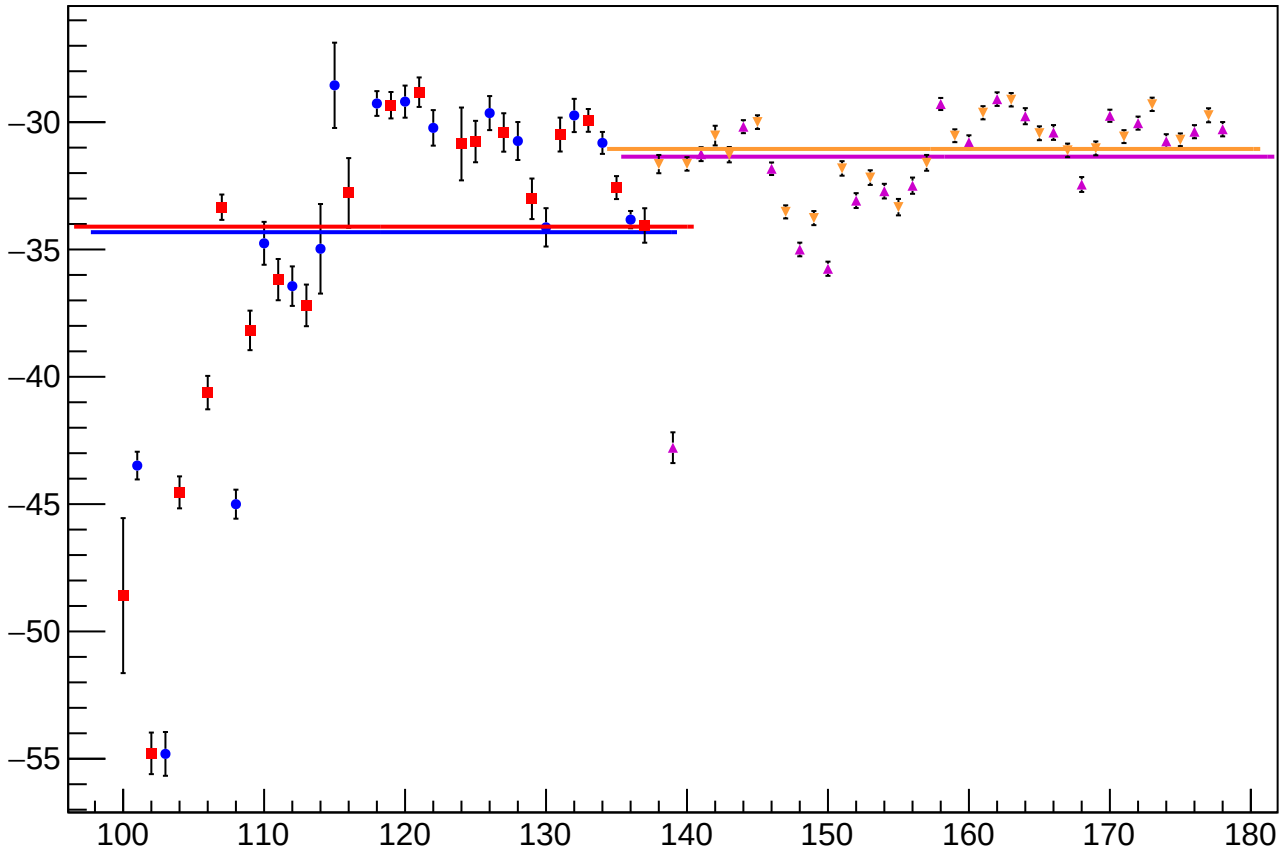
Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

Left In: -14.073+/-0.082 χ^2/NDF:810.4/19

+ sign -14.369+/-0.072 χ^2/NDF: 977.2/36

All: -14.385+/-0.051 χ^2/NDF: 2360.6/75

- sign -14.400+/-0.072 χ^2/NDF: 1383.4/38



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.052+/-0.061 χ^2/NDF:455.3/20

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

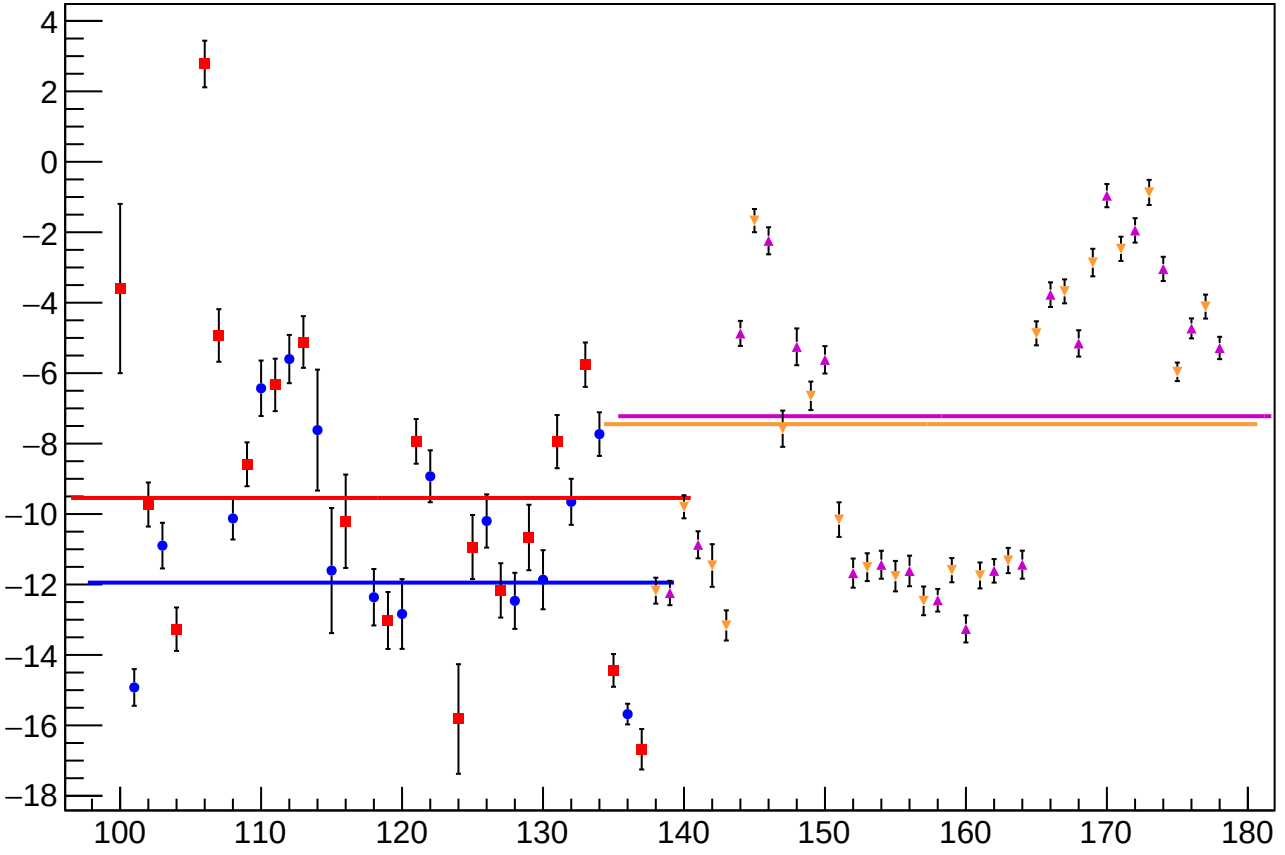
Left In: -31.356+/-0.062 χ^2/NDF:1191.1/19

+ sign -31.495+/-0.056 χ^2/NDF: 2469.0/36

All: -31.615+/-0.040 χ^2/NDF: 5377.6/75

- sign -31.739+/-0.058 χ^2/NDF: 2899.4/38

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: -7.448+/-0.081 χ^2/NDF:2529.8/20

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

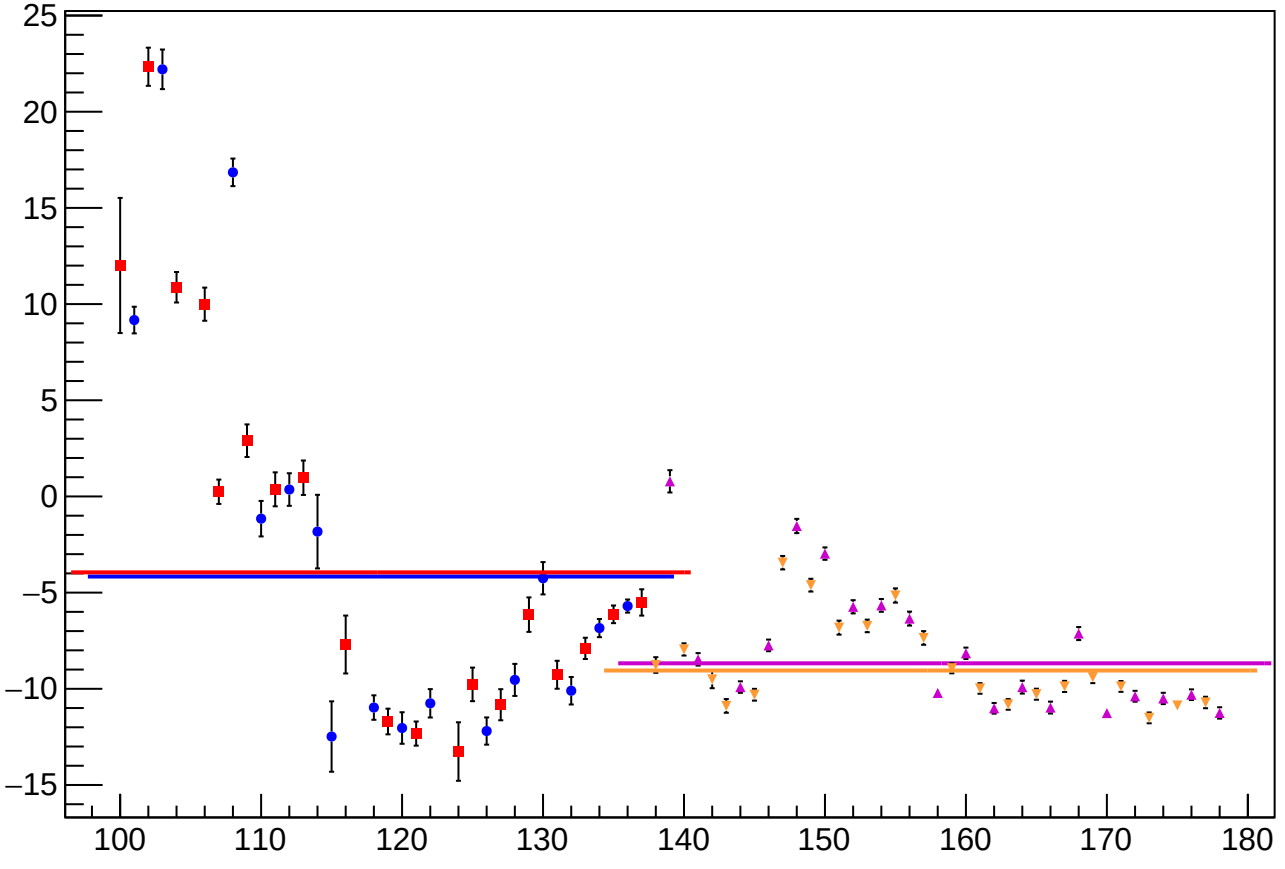
Left In: -7.222+/-0.081 χ^2/NDF:2652.7/19

+ sign -8.363+/-0.072 χ^2/NDF: 3588.5/36

All: -8.019+/-0.051 χ^2/NDF: 7293.2/75

- sign -7.671+/-0.073 χ^2/NDF: 3659.1/38

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: -9.049+/-0.068 χ^2/NDF:955.3/20

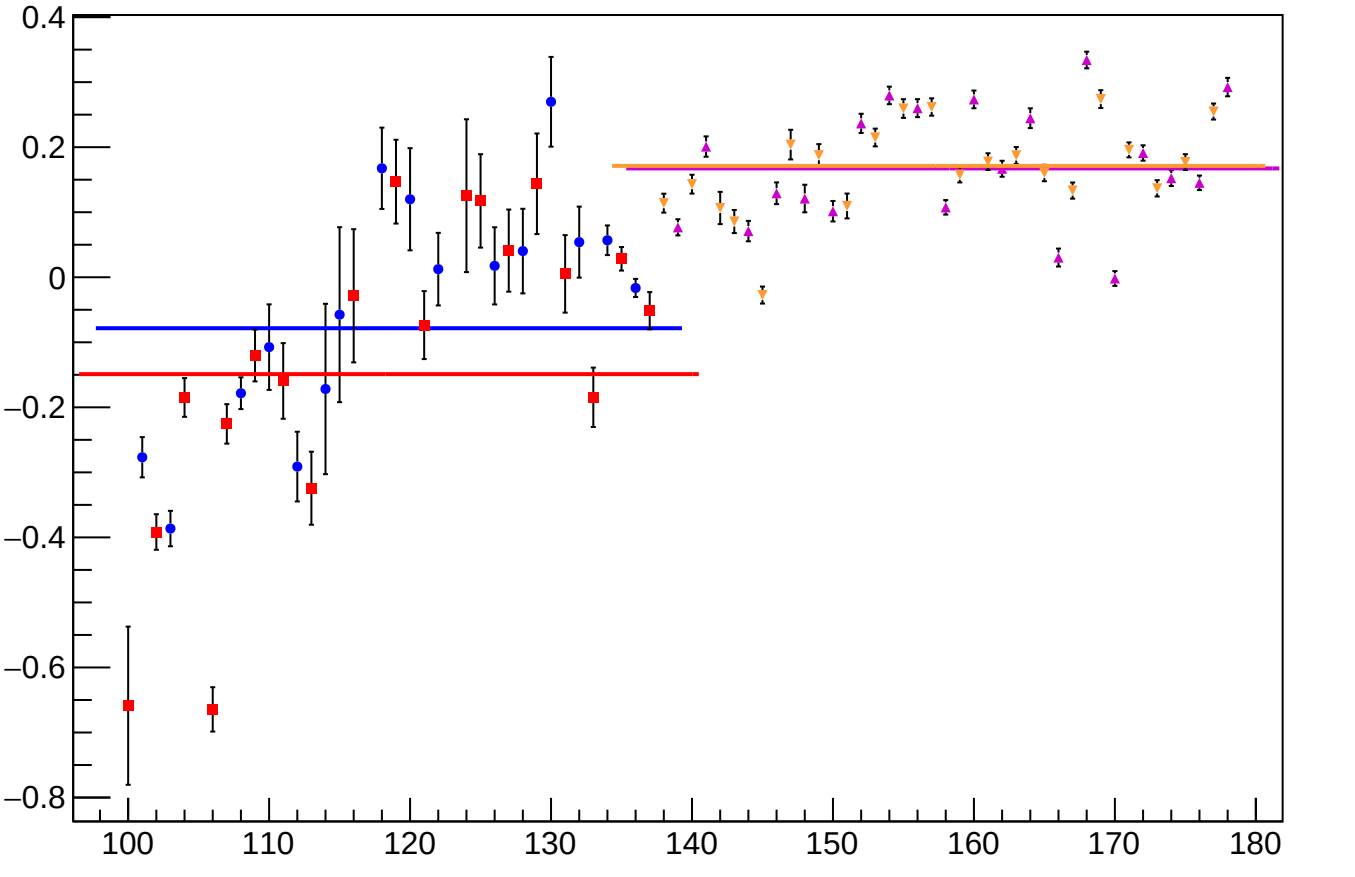
Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

Left In: -8.674+/-0.069 χ^2/NDF:1660.1/19

+ sign -8.384+/-0.063 χ^2/NDF: 4178.0/36

All: -8.215+/-0.045 χ^2/NDF: 8587.3/75

- sign -8.040+/-0.064 χ^2/NDF: 4394.9/38



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.171+/-0.003 χ^2/NDF:516.2/20

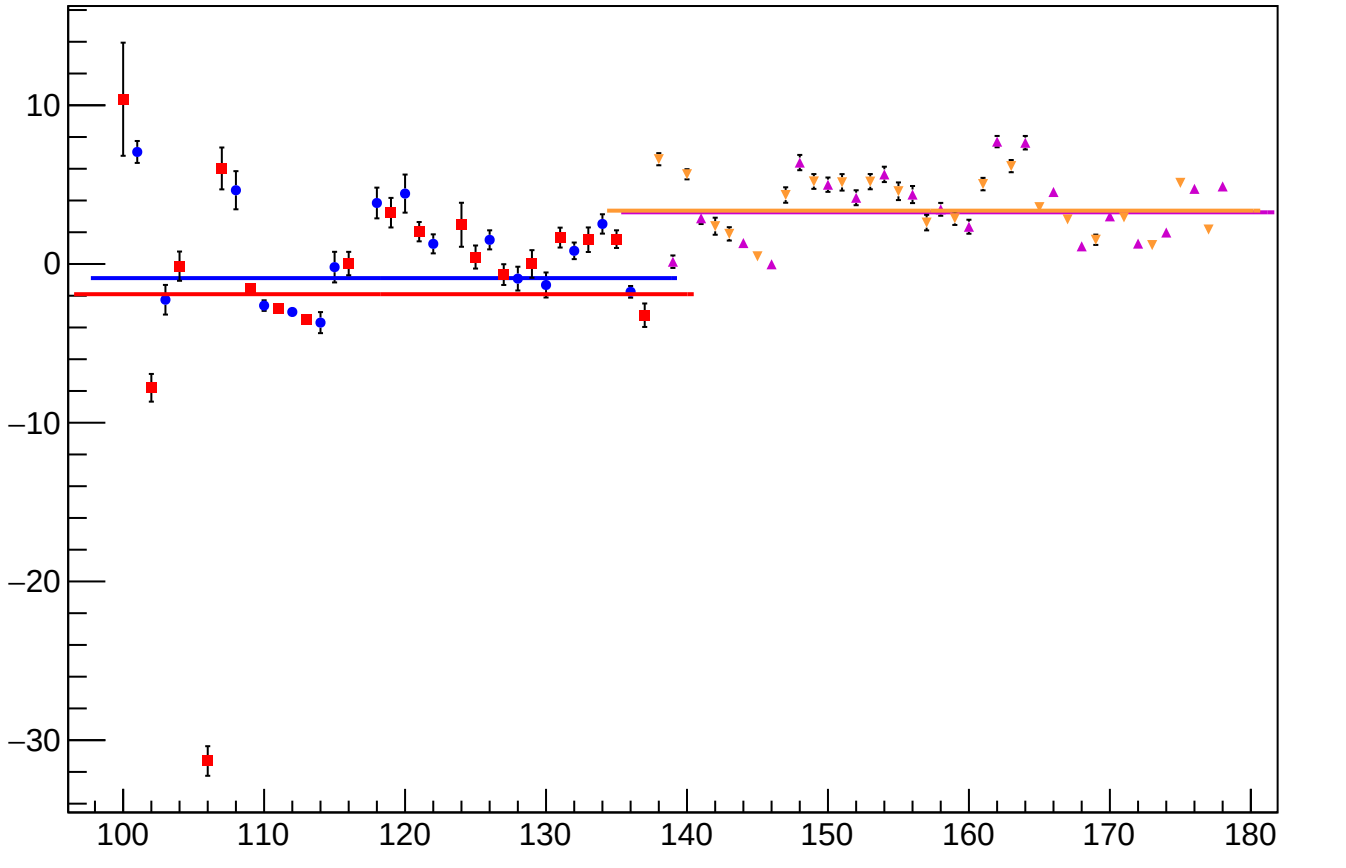
Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

Left In: 0.167+/-0.003 χ^2/NDF:951.2/19

+ sign 0.143+/-0.003 χ^2/NDF: 1588.8/36

All: 0.140+/-0.002 χ^2/NDF: 4162.6/75

- sign 0.136+/-0.003 χ^2/NDF: 2570.3/38



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 3.361+/-0.075 χ^2/NDF:579.5/20

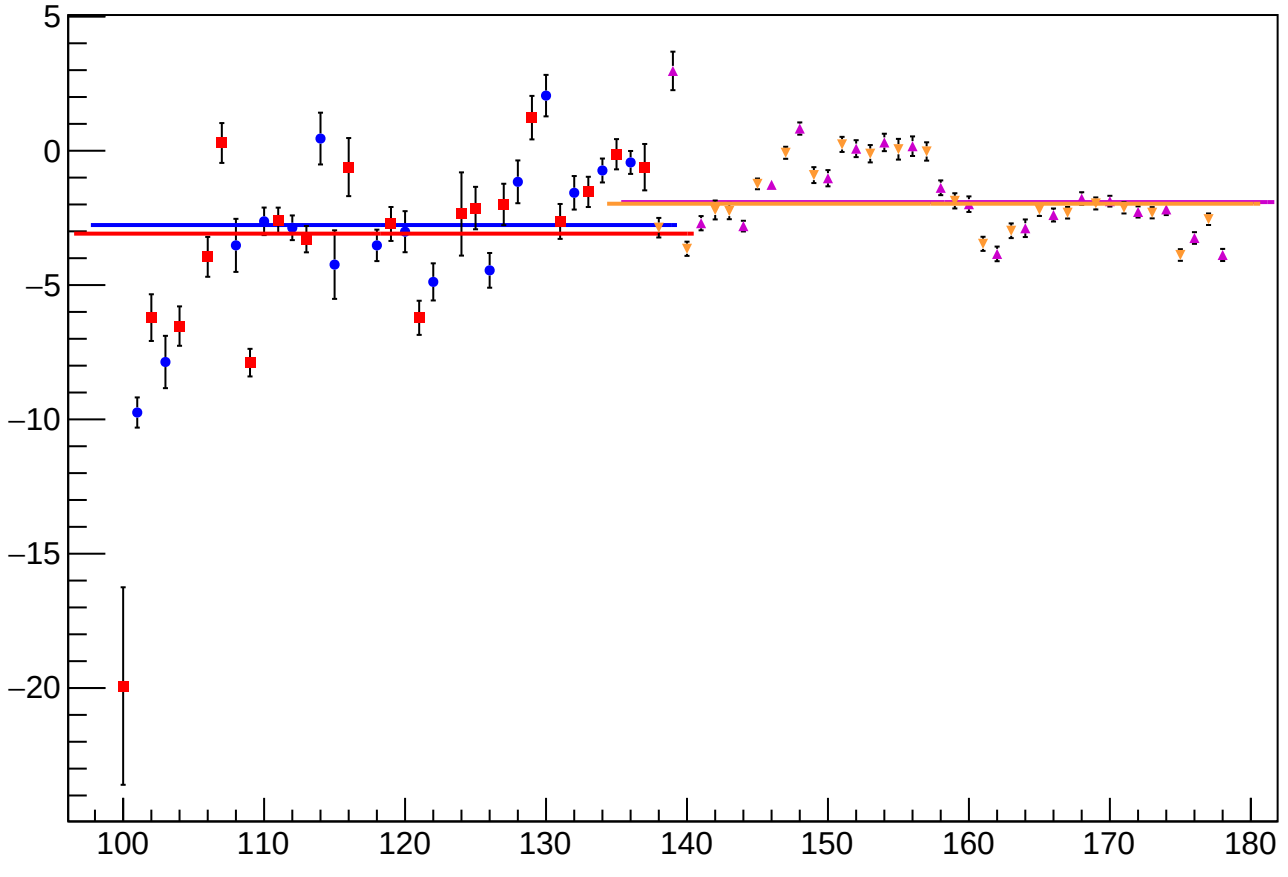
Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 3.255+/-0.074 χ^2/NDF:812.8/19

+ sign 2.374+/-0.066 χ^2/NDF: 1703.0/36

All: 2.165+/-0.046 χ^2/NDF: 5078.5/75

- sign 1.966+/-0.064 χ^2/NDF: 3355.8/38



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -1.972+/-0.056 χ^2/NDF:437.5/20

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

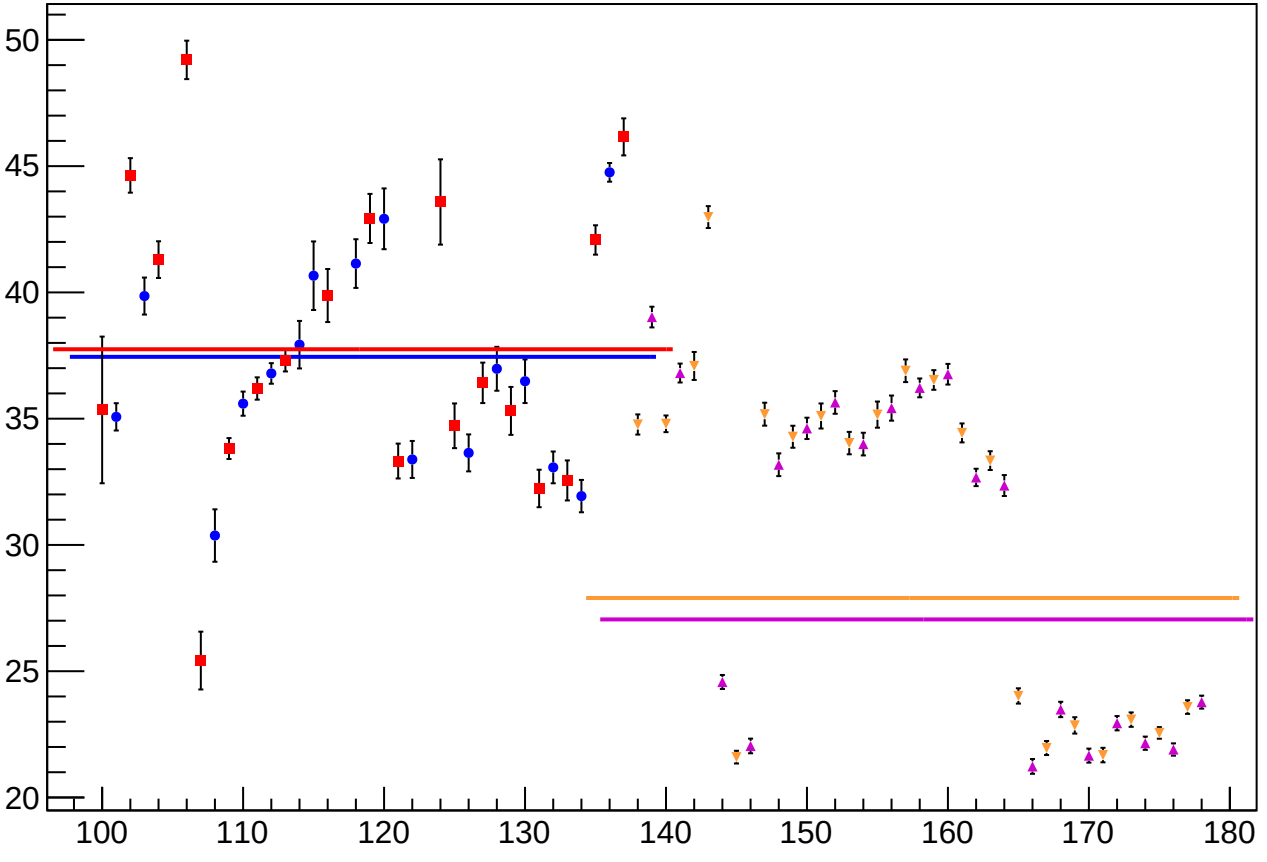
Left In: -1.912+/-0.056 χ^2/NDF:545.8/19

+ sign -2.062+/-0.052 χ^2/NDF: 770.5/36

All: -2.051+/-0.037 χ^2/NDF: 1638.2/75

- sign -2.041+/-0.052 χ^2/NDF: 867.7/38

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: 27.899+/-0.075 χ^2/NDF:7737.4/20

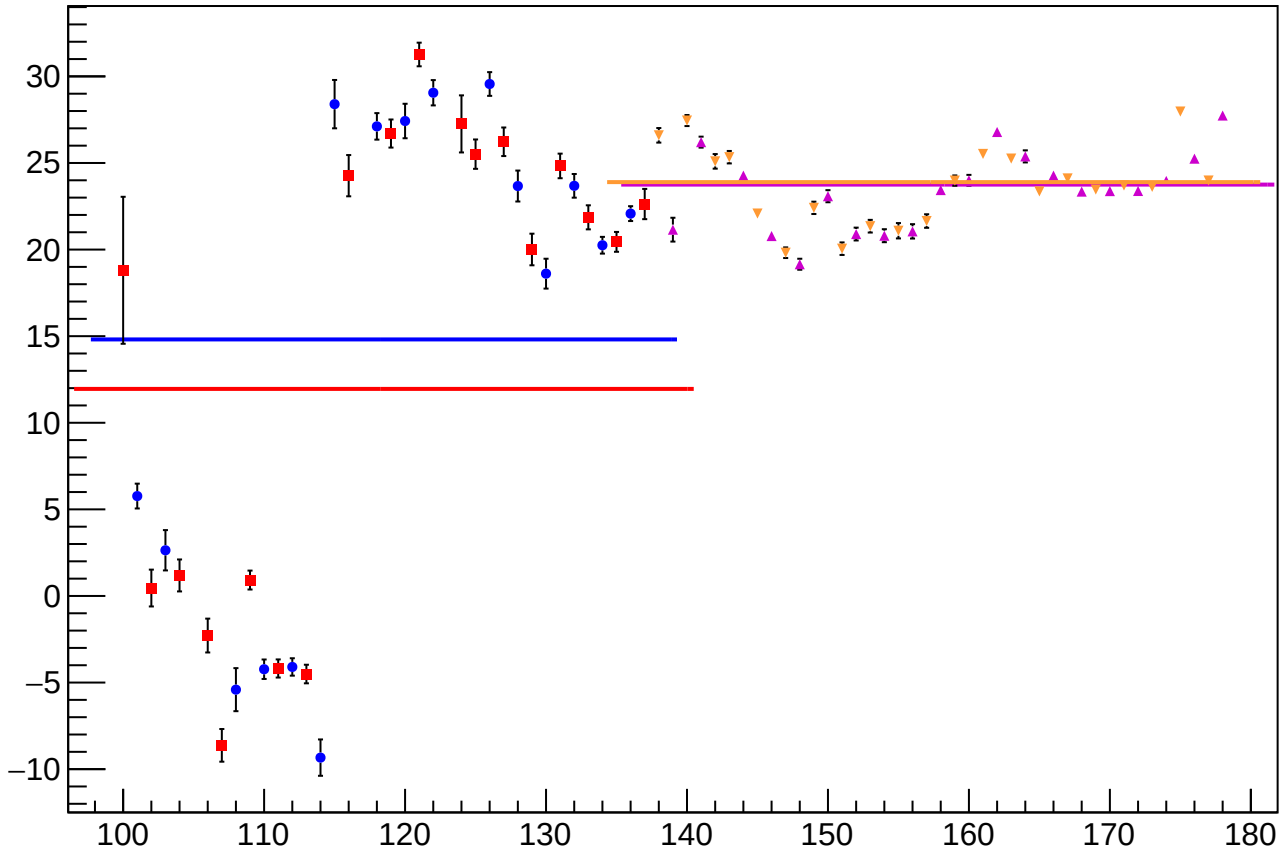
Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

Left In: 27.051+/-0.074 χ^2/NDF:6981.2/19

+ sign 29.598+/-0.068 χ^2/NDF: 11346.7/36

All: 29.261+/-0.048 χ^2/NDF: 23051.4/75

- sign 28.933+/-0.067 χ^2/NDF: 11656.1/38



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 23.895+/-0.063 χ^2/NDF:1069.0/20

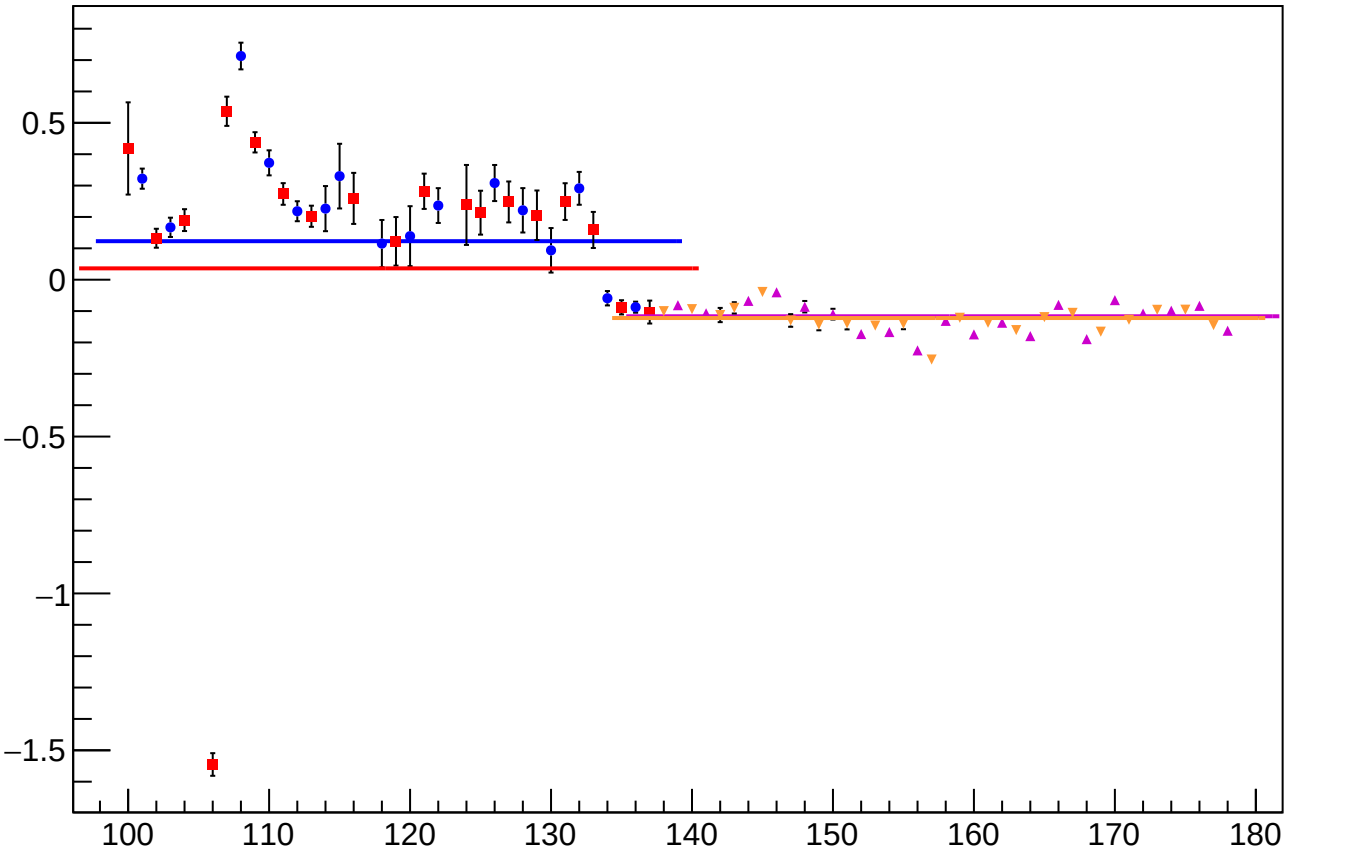
Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 23.752+/-0.062 χ^2/NDF:1109.5/19

+ sign 22.852+/-0.059 χ^2/NDF: 9170.9/36

All: 22.648+/-0.042 χ^2/NDF: 20367.4/75

- sign 22.444+/-0.059 χ^2/NDF: 11172.5/38



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.122+/-0.003 χ^2/NDF:210.9/20

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

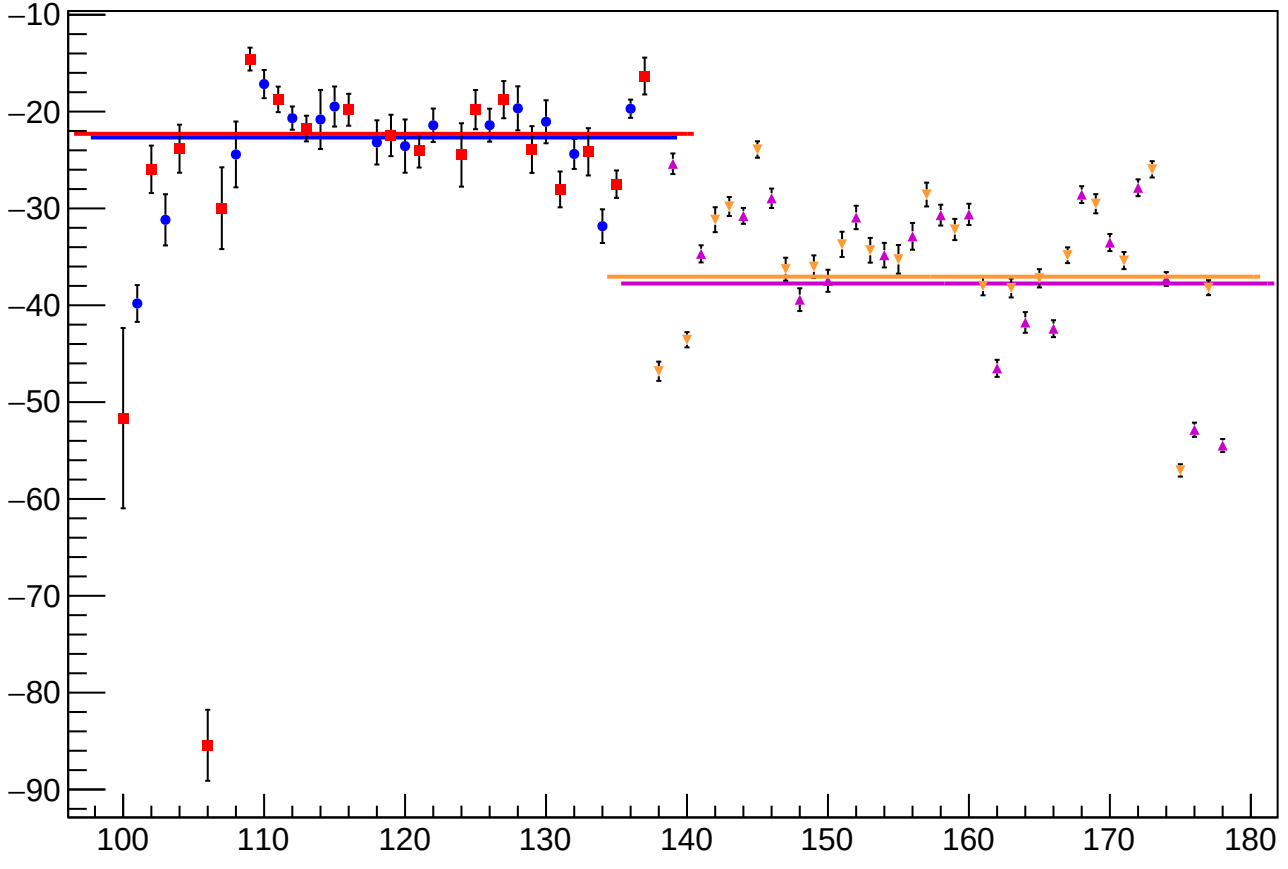
Left In: -0.117+/-0.003 χ^2/NDF:289.0/19

+ sign -0.102+/-0.003 χ^2/NDF: 1353.1/36

All: -0.104+/-0.002 χ^2/NDF: 4283.1/75

- sign -0.105+/-0.003 χ^2/NDF: 2929.4/38

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -22.675+/-0.435 χ^2/NDF: 154.4/15

Left Out: -37.045+/-0.209 χ^2/NDF:1782.6/20

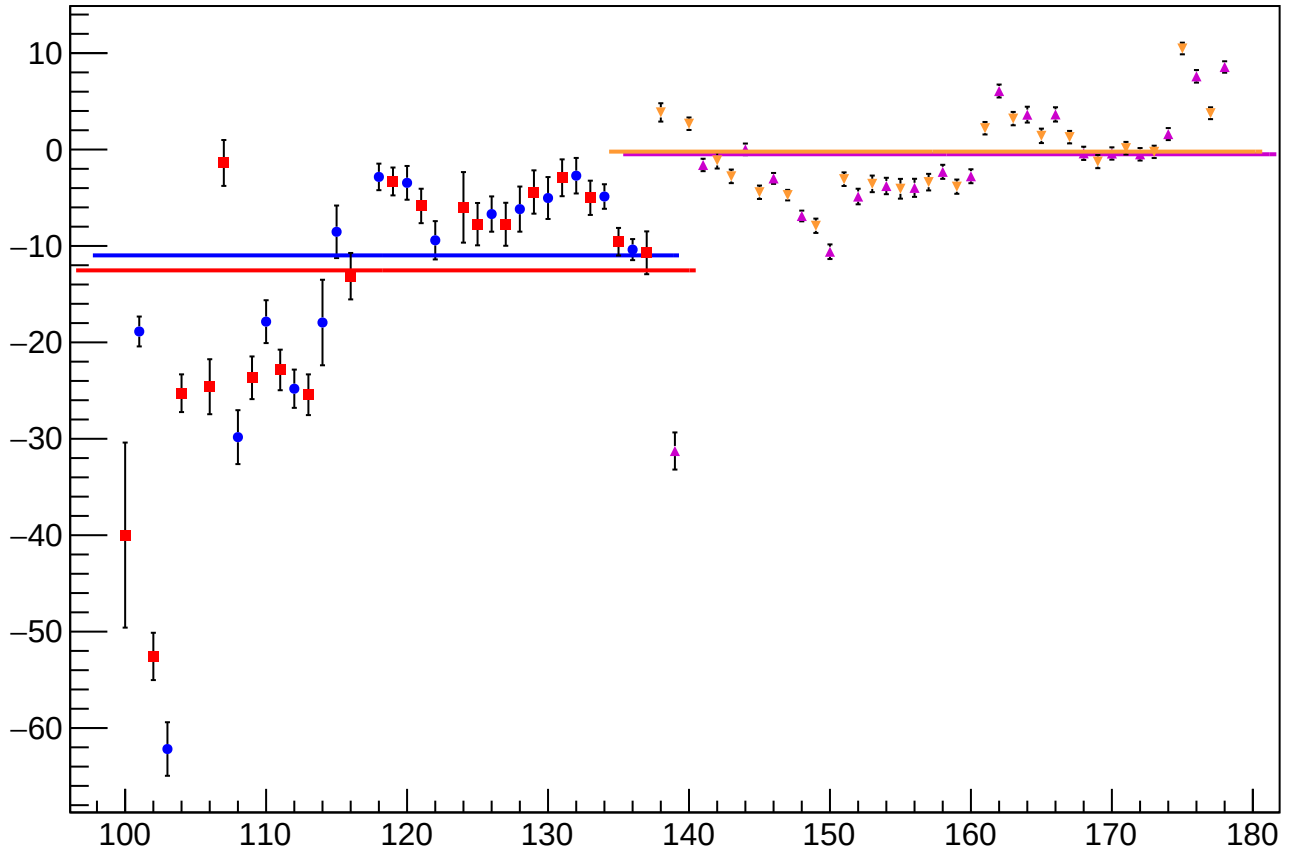
Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

Left In: -37.752+/-0.208 χ^2/NDF:1878.0/19

\+ sign -34.340+/-0.189 χ^2/NDF: 2824.8/36

All: -34.609+/-0.133 χ^2/NDF: 6139.1/75

\- sign -34.875+/-0.188 χ^2/NDF: 3310.3/38



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: -0.216+/-0.153 χ^2/NDF:753.7/20

Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

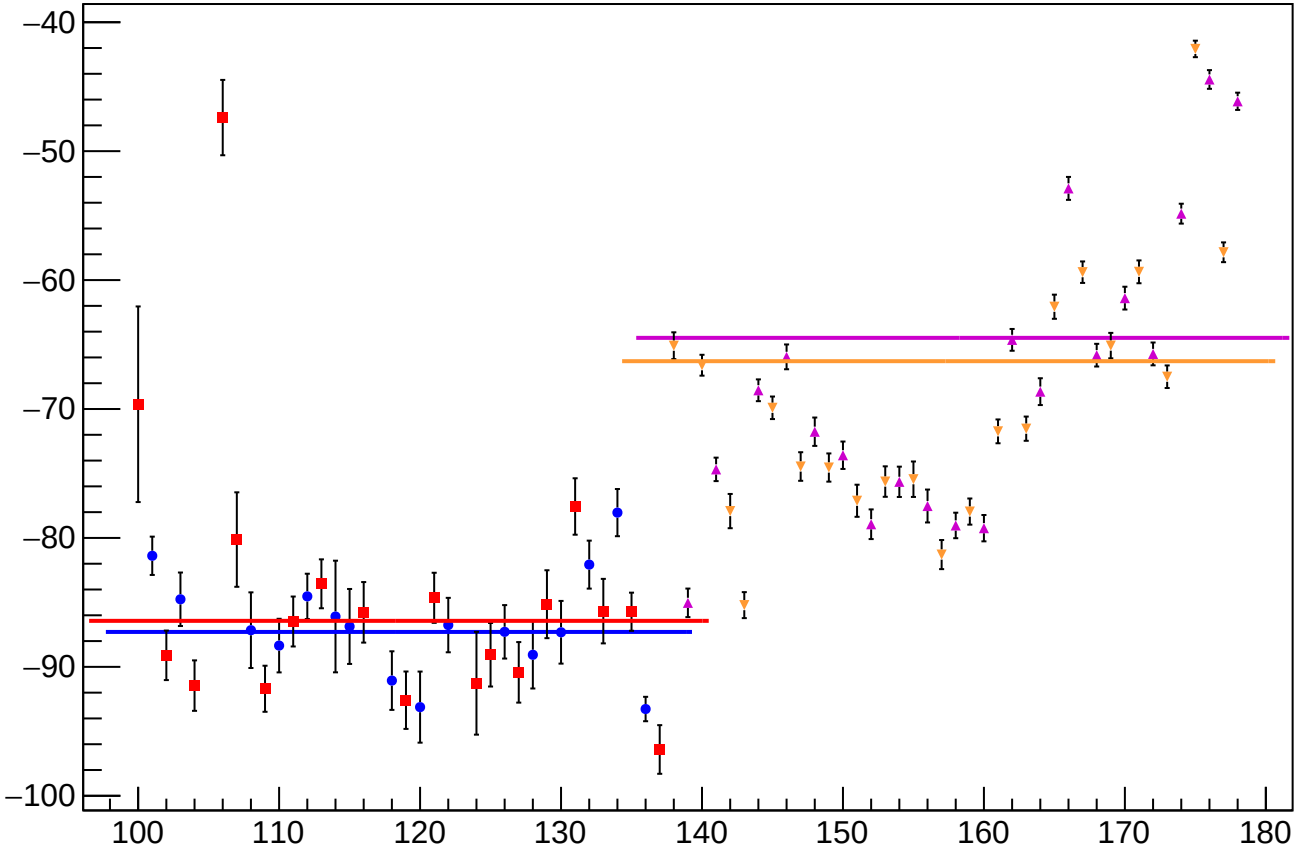
Left In: -0.491+/-0.155 χ^2/NDF:1211.9/19

+ sign -1.320+/-0.145 χ^2/NDF: 1846.7/36

All: -1.470+/-0.104 χ^2/NDF: 4200.7/75

- sign -1.624+/-0.148 χ^2/NDF: 2351.8/38

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -87.291+/-0.481 χ^2/NDF: 101.2/15

Left Out: -66.290+/-0.207 χ^2/NDF:2822.9/20

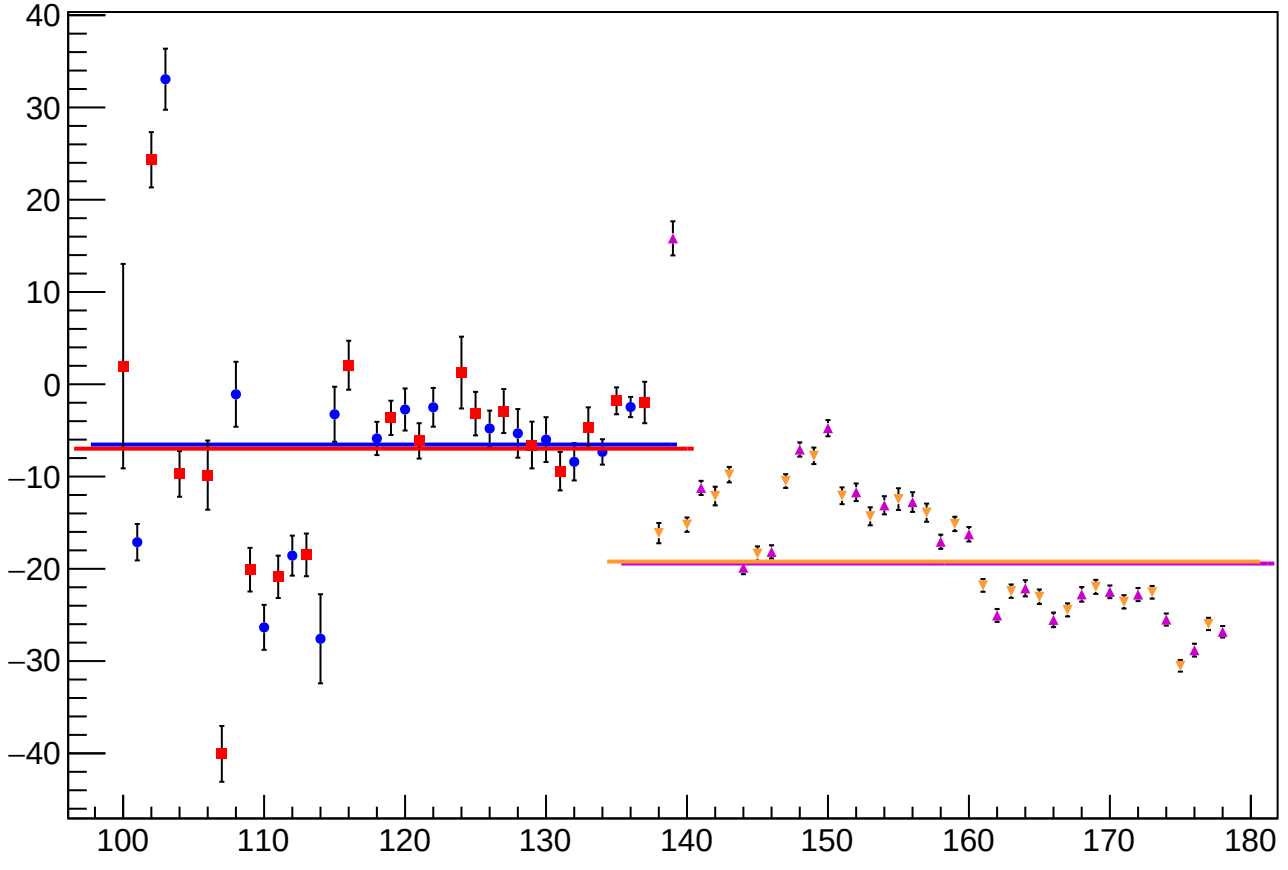
Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

Left In: -64.481+/-0.206 χ^2/NDF:3263.9/19

+ sign -69.588+/-0.190 χ^2/NDF: 4533.8/36

All: -68.599+/-0.135 χ^2/NDF: 9730.8/75

- sign -67.606+/-0.191 χ^2/NDF: 5143.0/38



Right In: -6.535+/-0.508 χ^2/NDF: 313.9/15

Left Out: -19.215+/-0.174 χ^2/NDF:1293.6/20

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

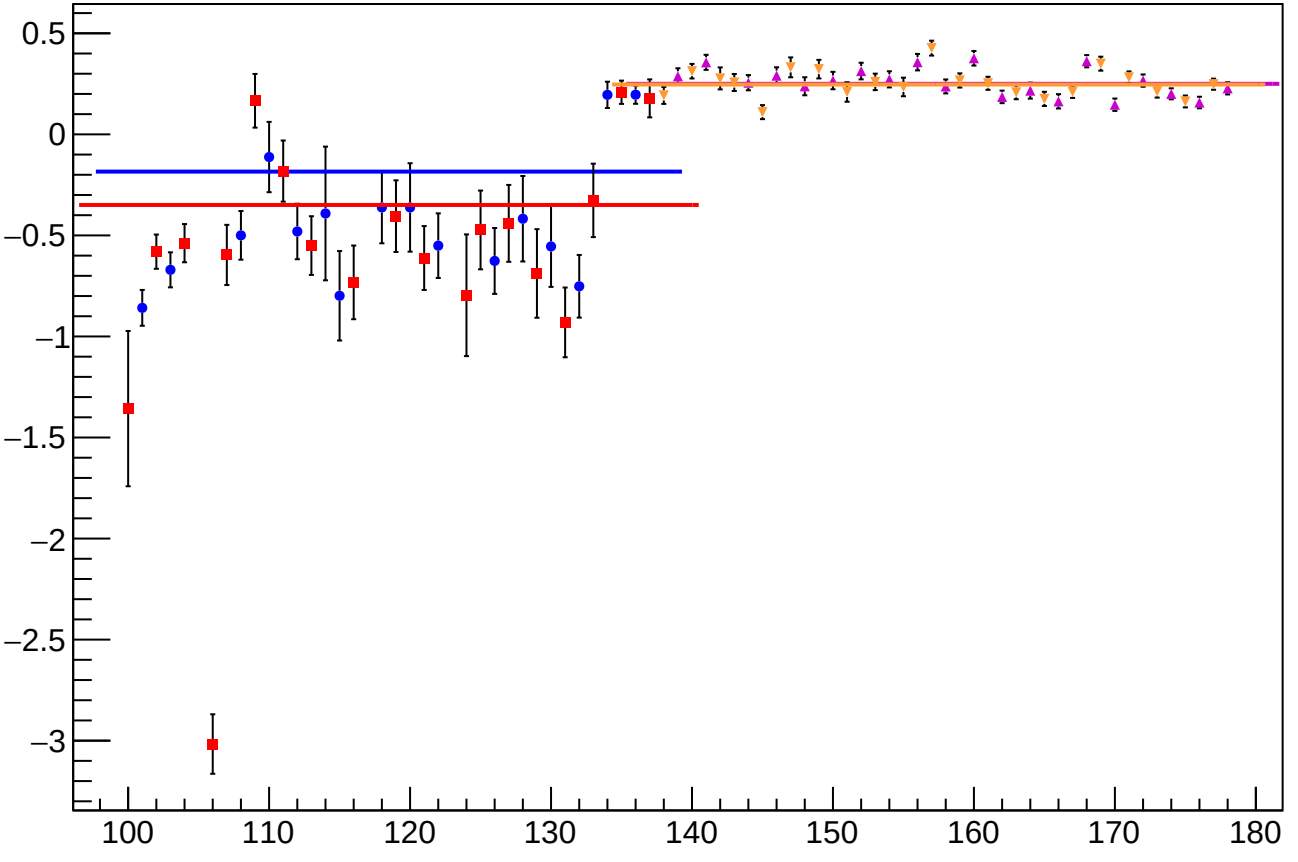
Left In: -19.428+/-0.175 χ^2/NDF:1785.3/19

+ sign -17.889+/-0.164 χ^2/NDF: 2165.7/36

All: -18.069+/-0.117 χ^2/NDF: 4800.1/75

- sign -18.253+/-0.166 χ^2/NDF: 2632.0/38

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: 0.247+/-0.008 χ^2/NDF:78.0/20

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

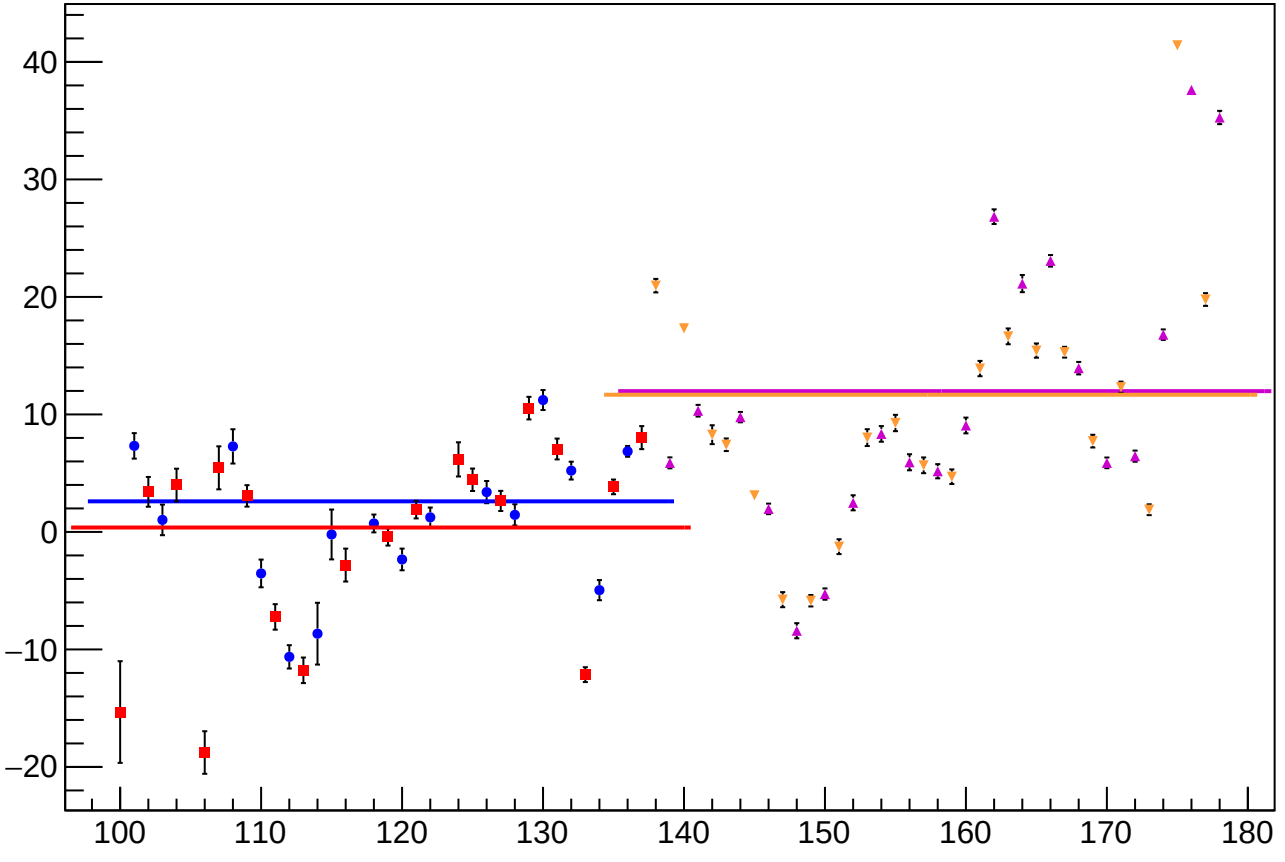
Left In: 0.250+/-0.008 χ^2/NDF:82.8/19

+ sign 0.212+/-0.008 χ^2/NDF: 563.9/36

All: 0.211+/-0.005 χ^2/NDF: 1553.7/75

- sign 0.211+/-0.008 χ^2/NDF: 989.7/38

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: 11.675+/-0.117 χ^2/NDF:10219.6/20

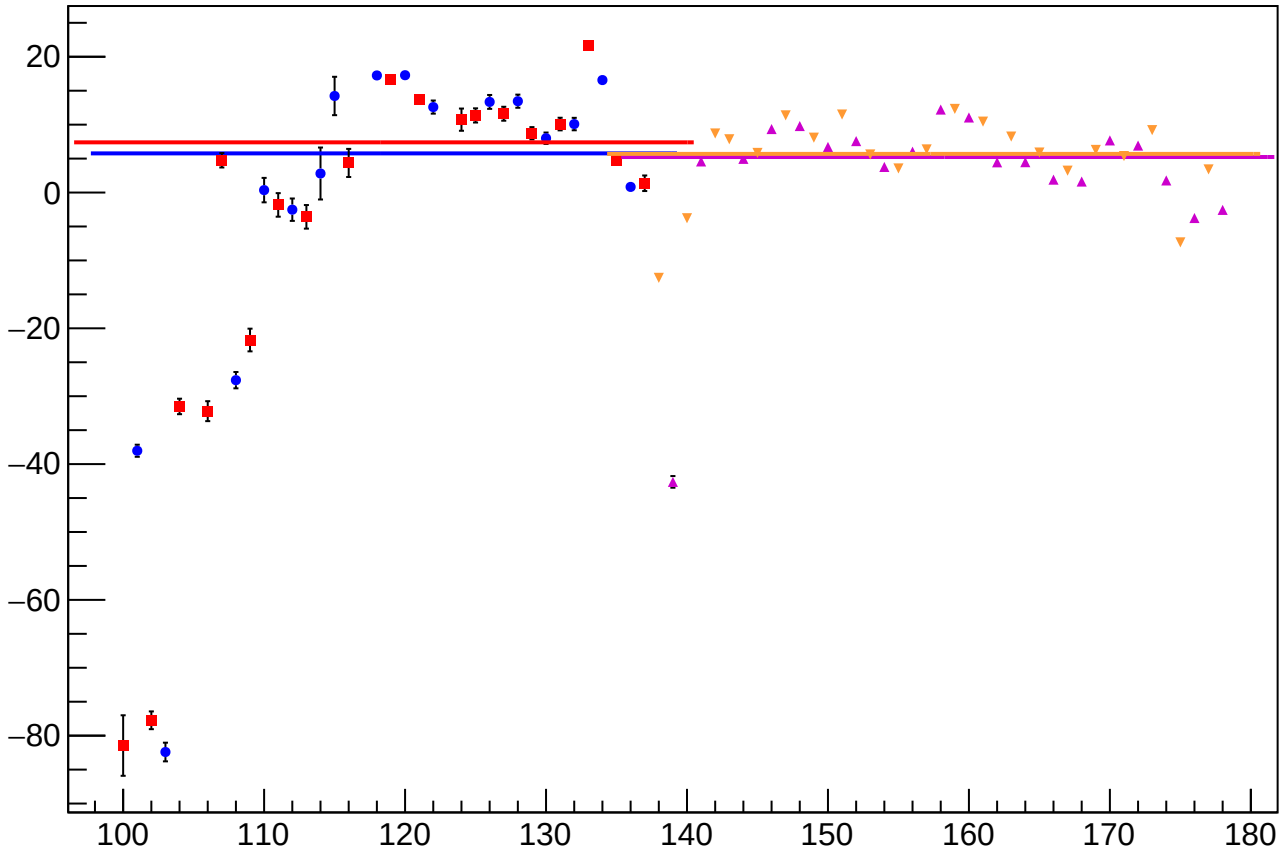
Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

Left In: 11.981+/-0.118 χ^2/NDF:10381.1/19

+ sign 9.723+/-0.104 χ^2/NDF: 12078.6/36

All: 9.581+/-0.074 χ^2/NDF: 25623.2/75

- sign 9.438+/-0.104 χ^2/NDF: 13540.9/38



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: 5.692+/-0.086 χ^2/NDF:4308.4/20

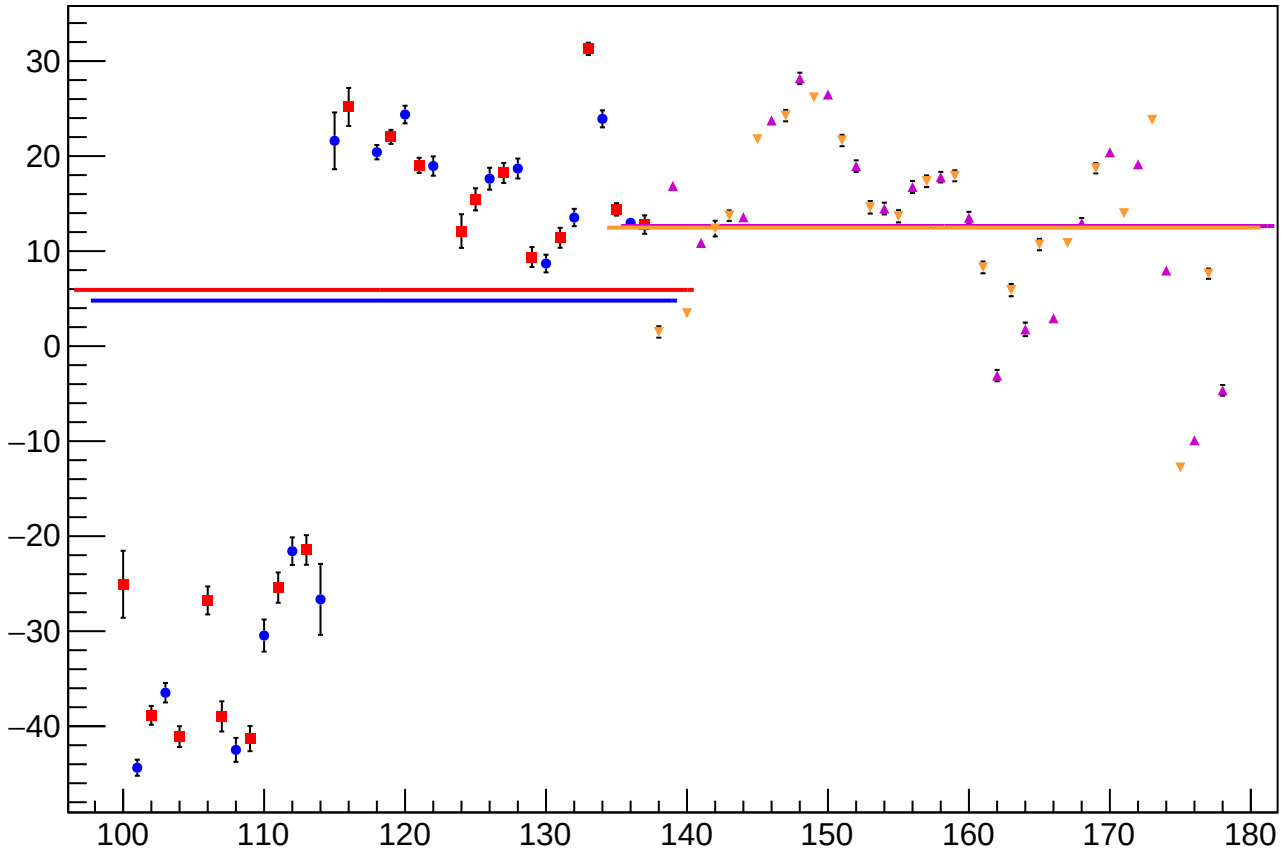
Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

Left In: 5.233+/-0.088 χ^2/NDF:5152.4/19

+ sign 5.703+/-0.079 χ^2/NDF: 13242.3/36

All: 5.631+/-0.057 χ^2/NDF: 26878.0/75

- sign 5.557+/-0.081 χ^2/NDF: 13634.0/38



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 12.471+/-0.116 χ^2/NDF:8041.6/20

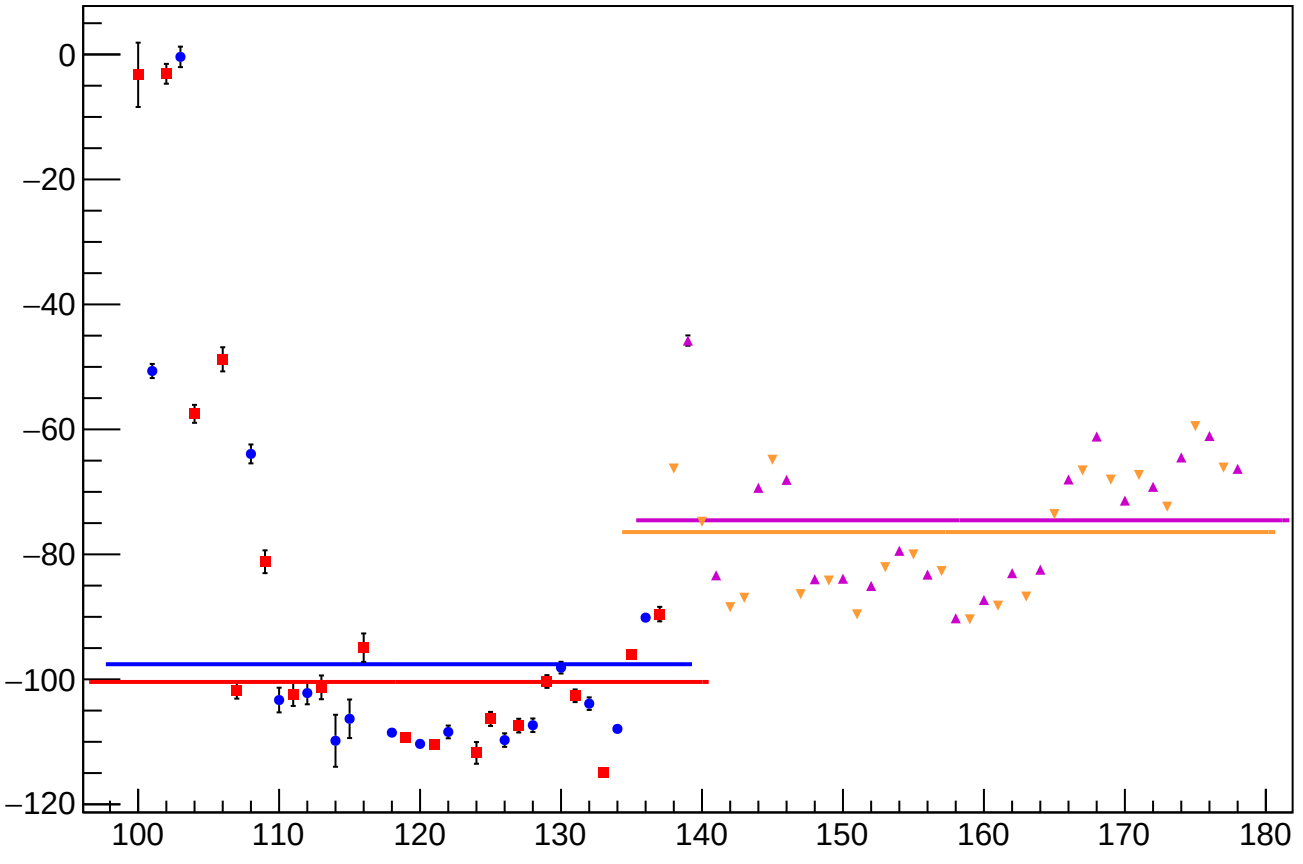
Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 12.641+/-0.116 χ^2/NDF:8233.0/19

+ sign 10.988+/-0.104 χ^2/NDF: 18382.2/36

All: 11.174+/-0.074 χ^2/NDF: 37316.1/75

- sign 11.360+/-0.105 χ^2/NDF: 18927.6/38



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -76.431+/-0.098 χ^2/NDF:10353.7/20

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

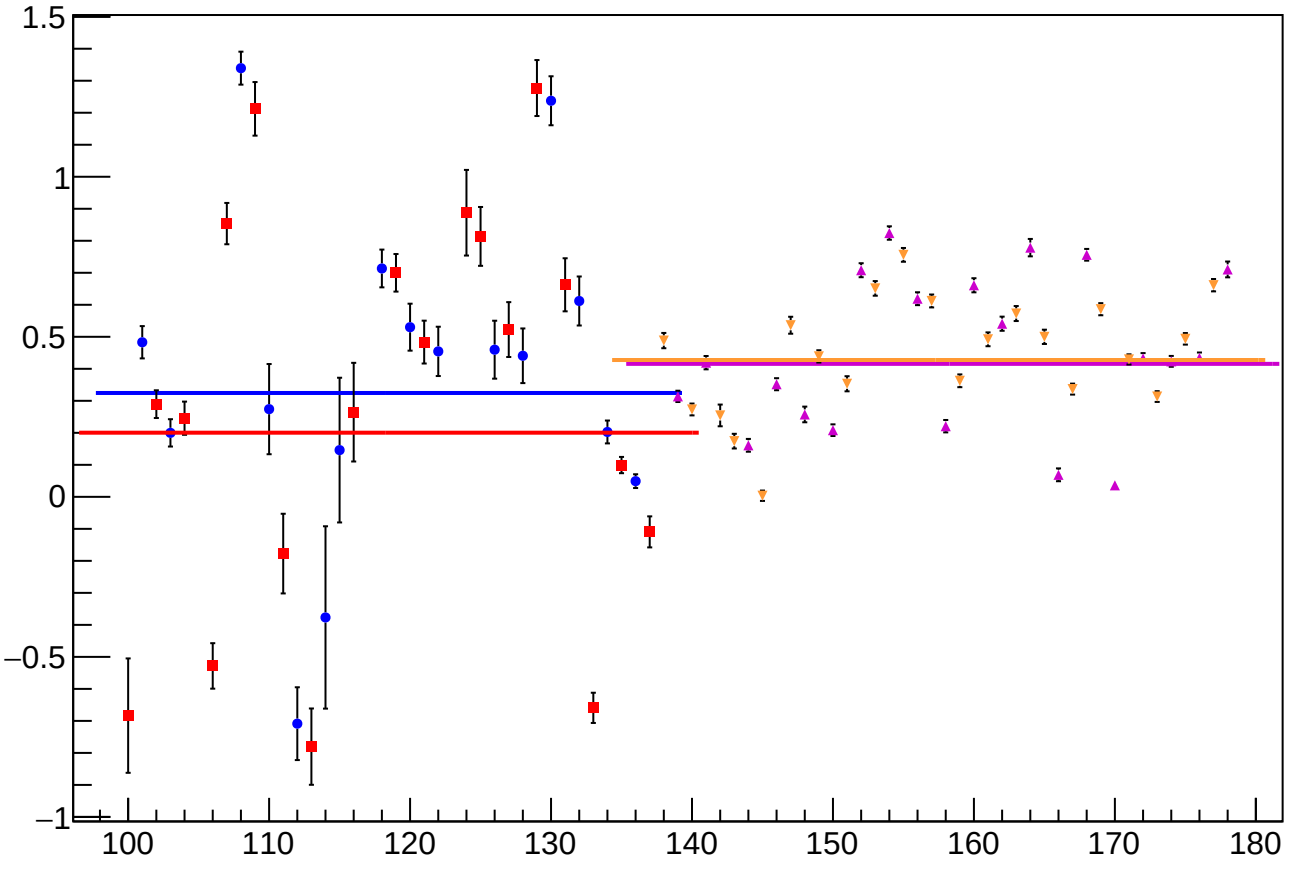
Left In: -74.548+/-0.099 χ^2/NDF:9677.9/19

+ sign -79.405+/-0.091 χ^2/NDF: 24079.3/36

All: -78.861+/-0.065 χ^2/NDF: 50797.4/75

- sign -78.304+/-0.092 χ^2/NDF: 26645.3/38

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: 0.427+/-0.004 χ^2/NDF:1723.0/20

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

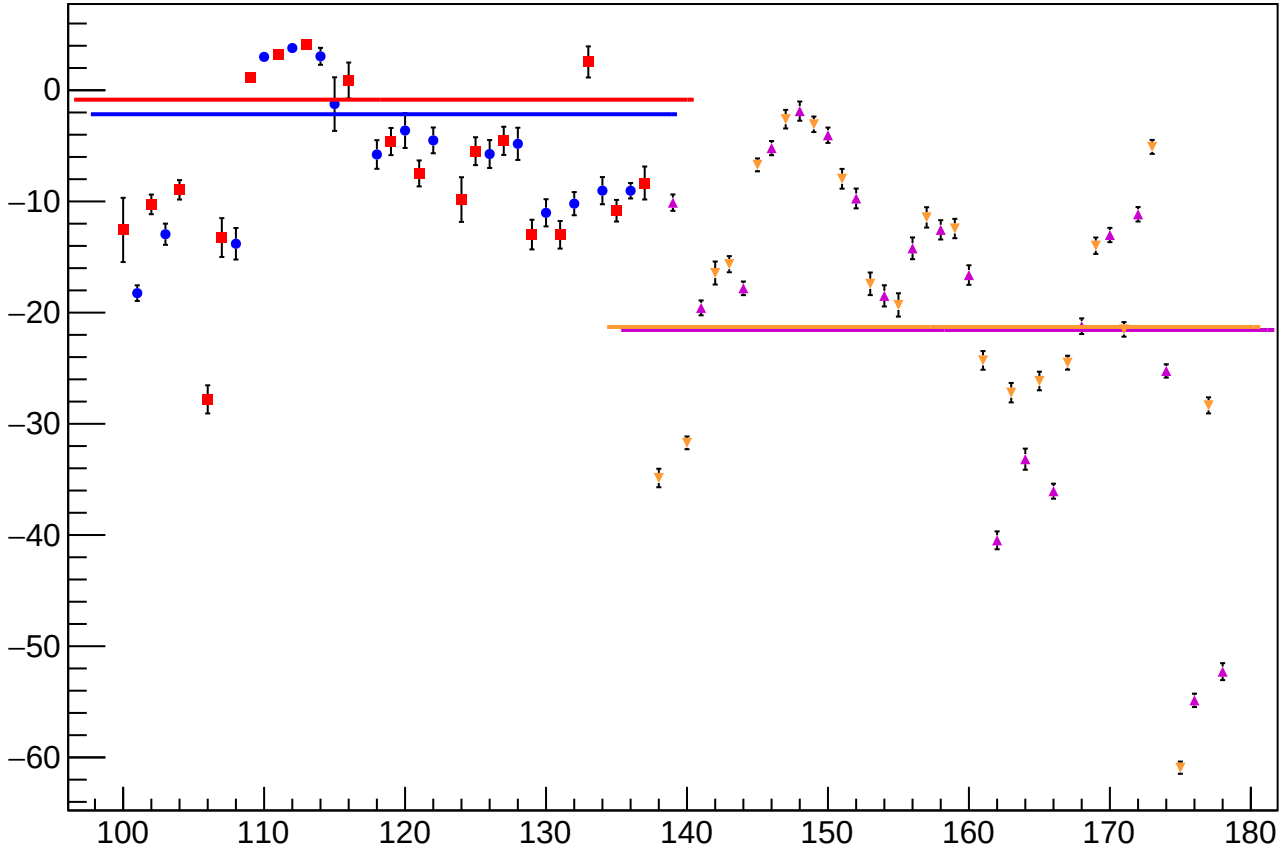
Left In: 0.415+/-0.004 χ^2/NDF:2848.4/19

+ sign 0.417+/-0.004 χ^2/NDF: 2663.6/36

All: 0.407+/-0.003 χ^2/NDF: 6950.7/75

- sign 0.396+/-0.004 χ^2/NDF: 4274.0/38

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -2.159+/-0.192 χ^2/NDF: 1491.0/15

Left Out: -21.291+/-0.162 χ^2/NDF:9117.0/20

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

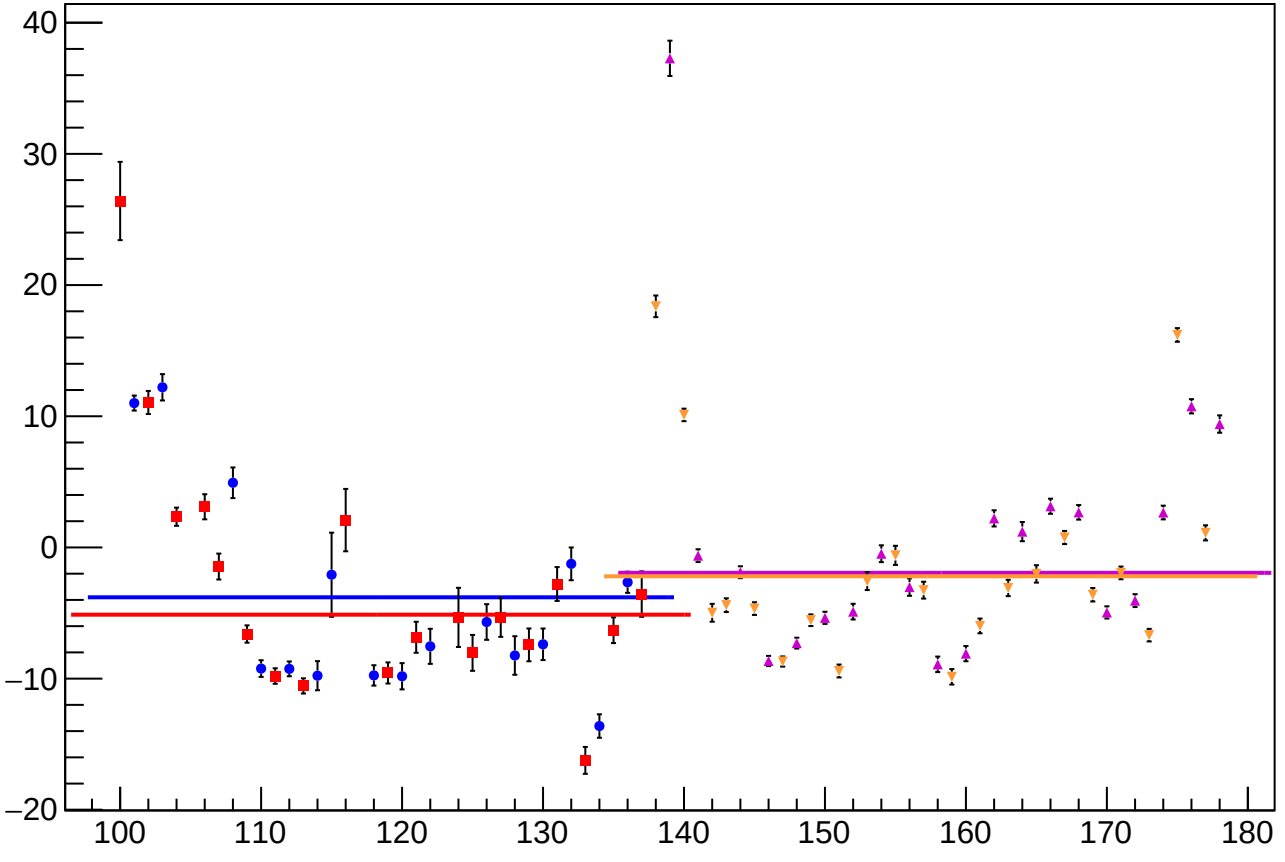
Left In: -21.560+/-0.163 χ^2/NDF:8790.9/19

+ sign -13.326+/-0.124 χ^2/NDF: 16404.7/36

All: -12.445+/-0.085 χ^2/NDF: 34460.4/75

- sign -11.647+/-0.118 χ^2/NDF: 17959.2/38

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: -3.800+/-0.226 χ^2/NDF: 1425.5/15

Left Out: -2.200+/-0.118 χ^2/NDF:3536.9/20

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

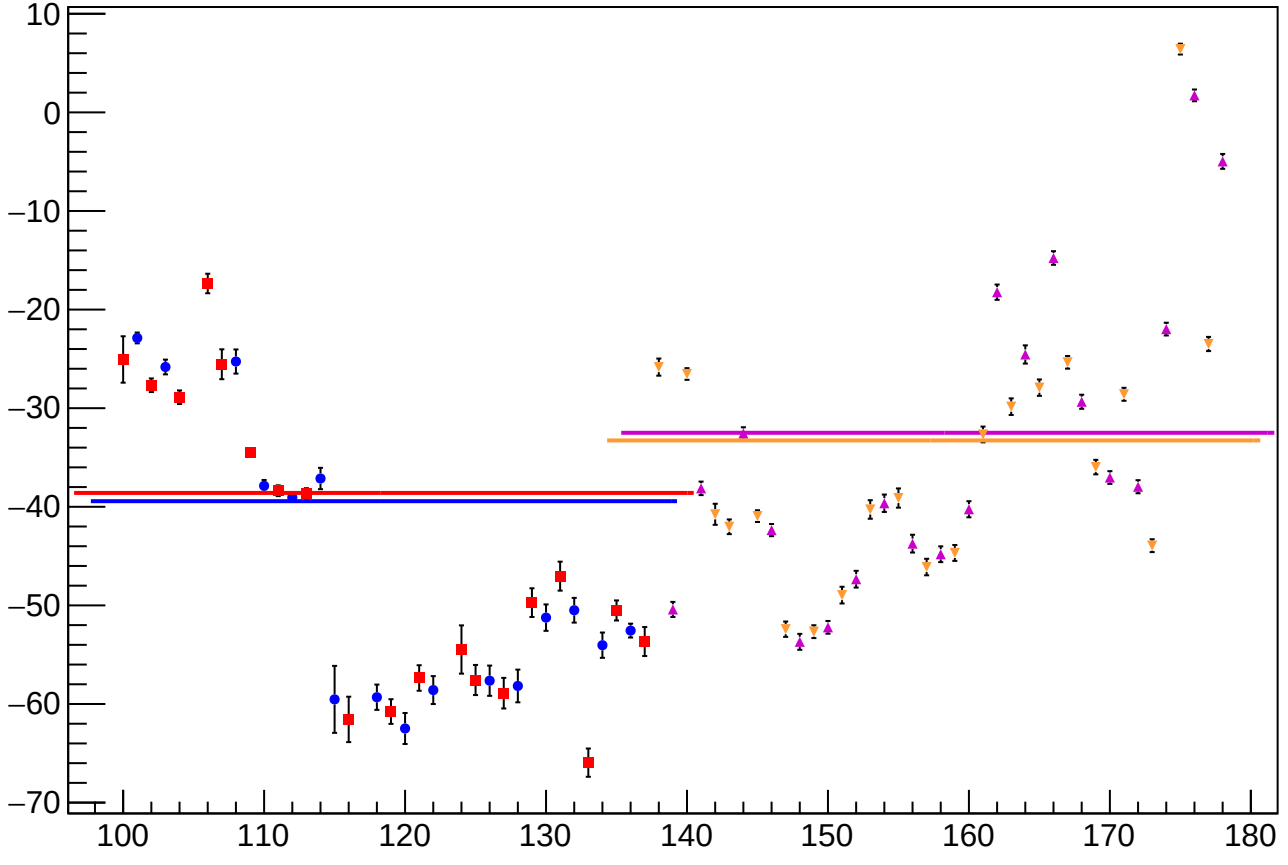
Left In: -1.936+/-0.121 χ^2/NDF:2847.6/19

+ sign -2.543+/-0.104 χ^2/NDF: 5001.9/36

All: -2.610+/-0.074 χ^2/NDF: 8994.1/75

- sign -2.679+/-0.106 χ^2/NDF: 3991.4/38

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -33.269+/-0.161 χ^2/NDF:8853.8/20

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

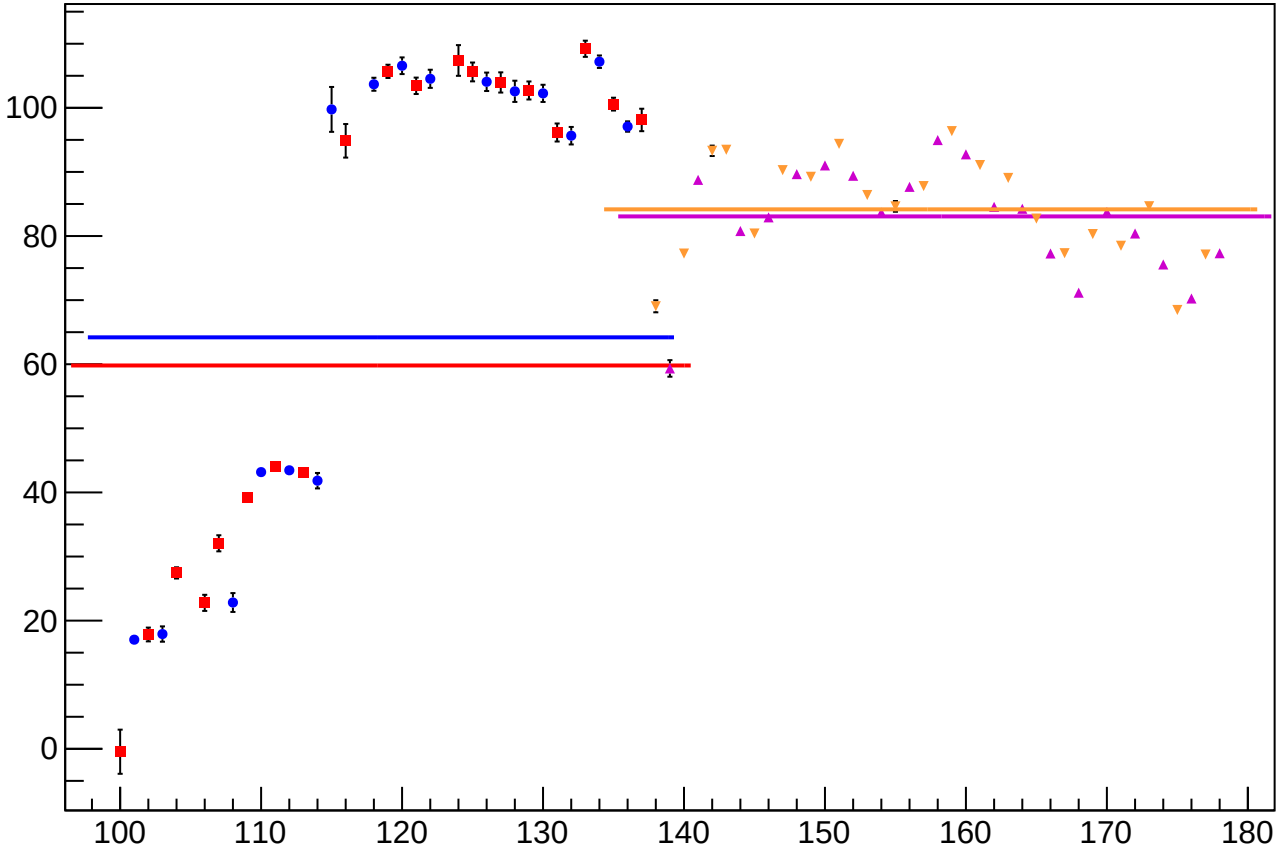
Left In: -32.494+/-0.161 χ^2/NDF:9447.3/19

+ sign -35.342+/-0.131 χ^2/NDF: 12307.7/36

All: -35.028+/-0.092 χ^2/NDF: 25060.6/75

- sign -34.725+/-0.129 χ^2/NDF: 12741.6/38

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 84.164+/-0.134 χ^2/NDF:3175.2/20

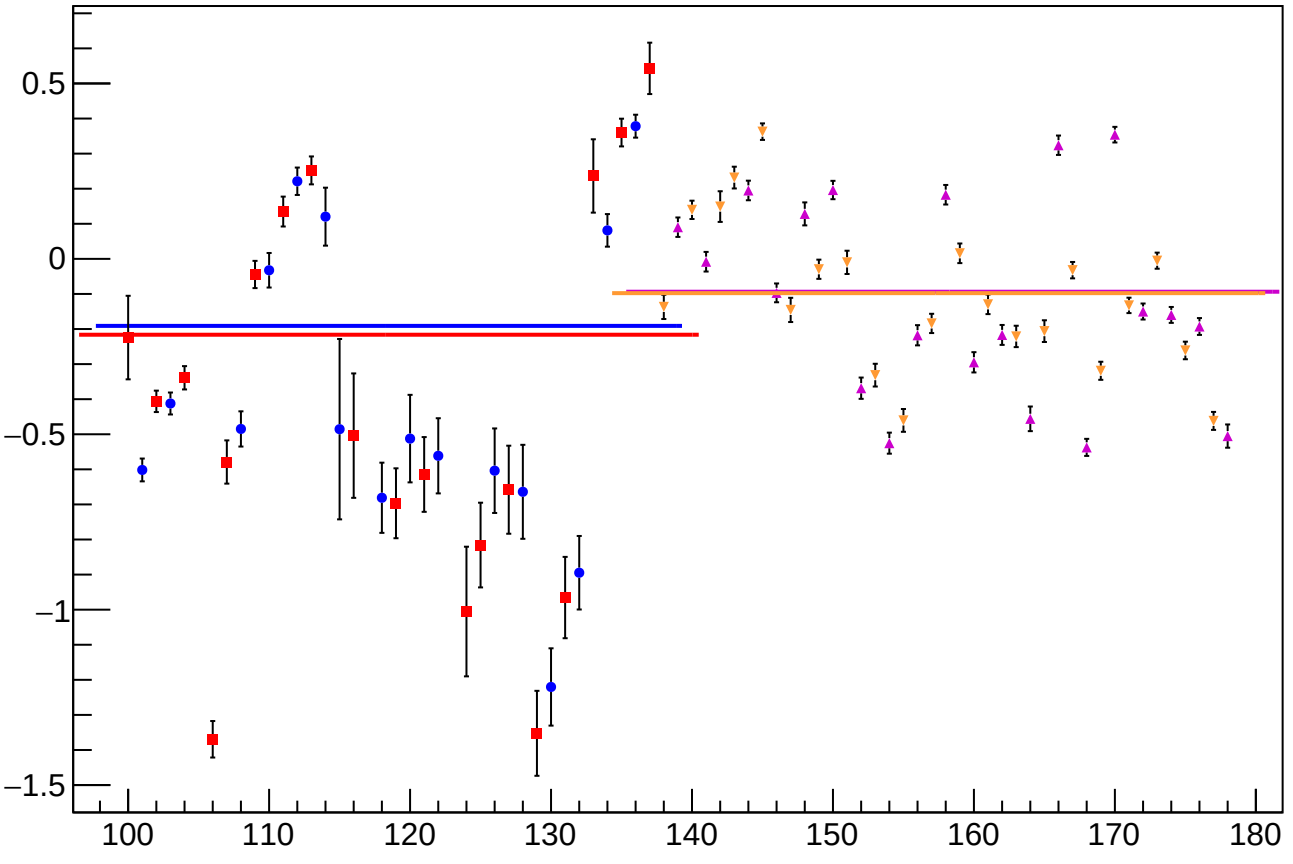
Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 83.062+/-0.137 χ^2/NDF:2725.0/19

\+ sign 79.890+/-0.119 χ^2/NDF: 26498.0/36

All: 78.783+/-0.084 χ^2/NDF: 53540.2/75

\- sign 77.661+/-0.120 χ^2/NDF: 26868.3/38



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: -0.098+/-0.006 χ^2/NDF:1203.4/20

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

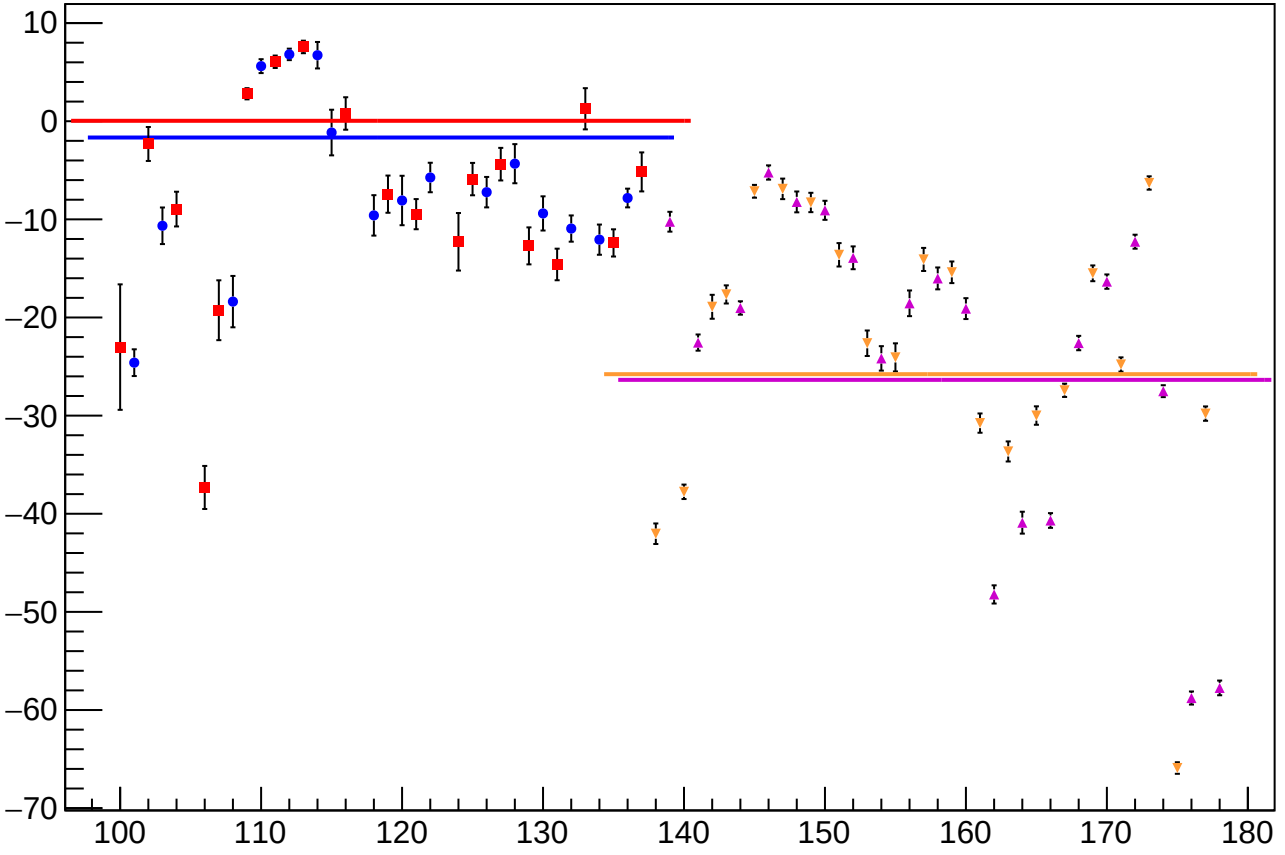
Left In: -0.094+/-0.006 χ^2/NDF:2059.6/19

+ sign -0.114+/-0.006 χ^2/NDF: 2161.8/36

All: -0.115+/-0.004 χ^2/NDF: 5663.2/75

- sign -0.116+/-0.005 χ^2/NDF: 3501.3/38

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -1.661+/-0.308 χ^2/NDF: 900.3/15

Left Out: -25.778+/-0.189 χ^2/NDF:8132.4/20

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

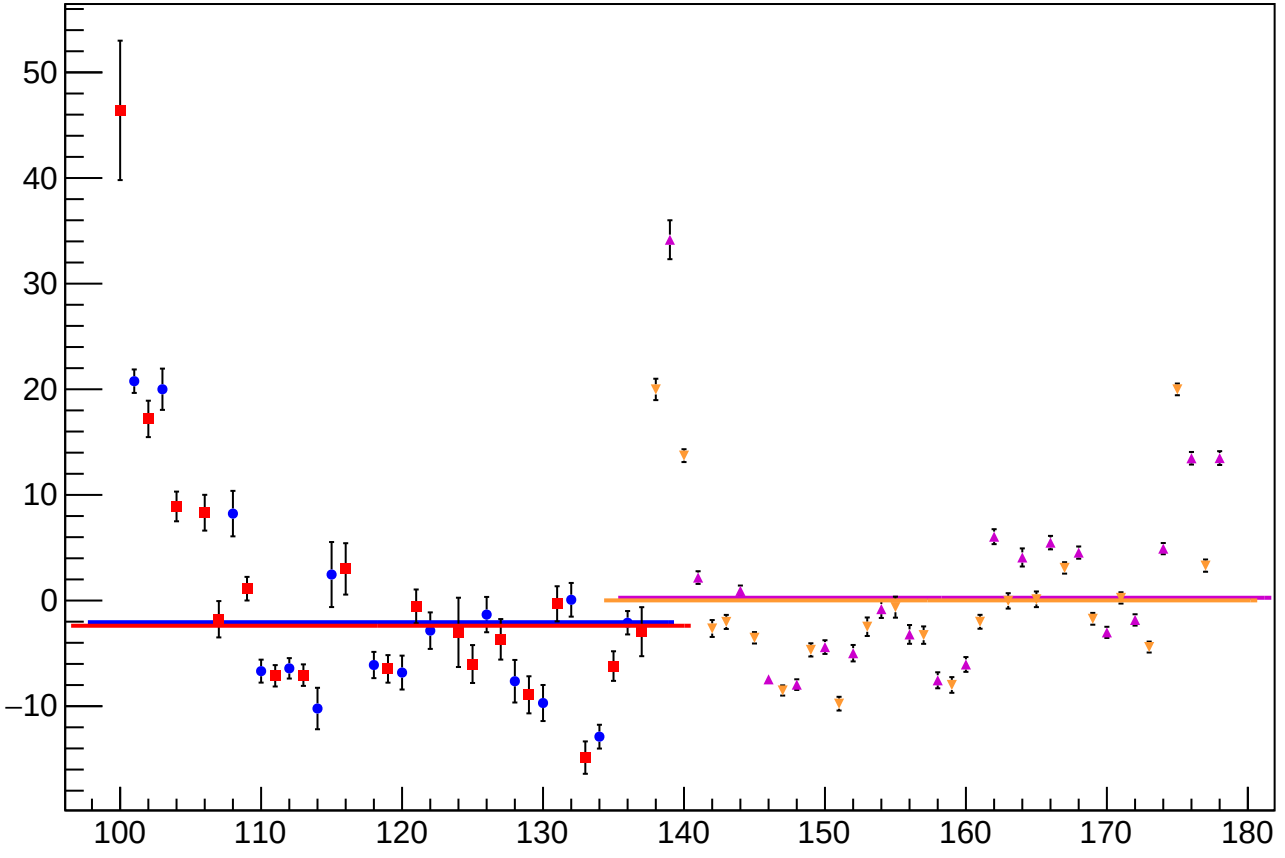
Left In: -26.357+/-0.188 χ^2/NDF:7947.3/19

+ sign -19.163+/-0.161 χ^2/NDF: 13480.0/36

All: -18.680+/-0.112 χ^2/NDF: 28443.9/75

- sign -18.226+/-0.156 χ^2/NDF: 14946.5/38

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: -2.050+/-0.356 χ^2/NDF: 771.9/15

Left Out: 0.015+/-0.139 χ^2/NDF:3145.2/20

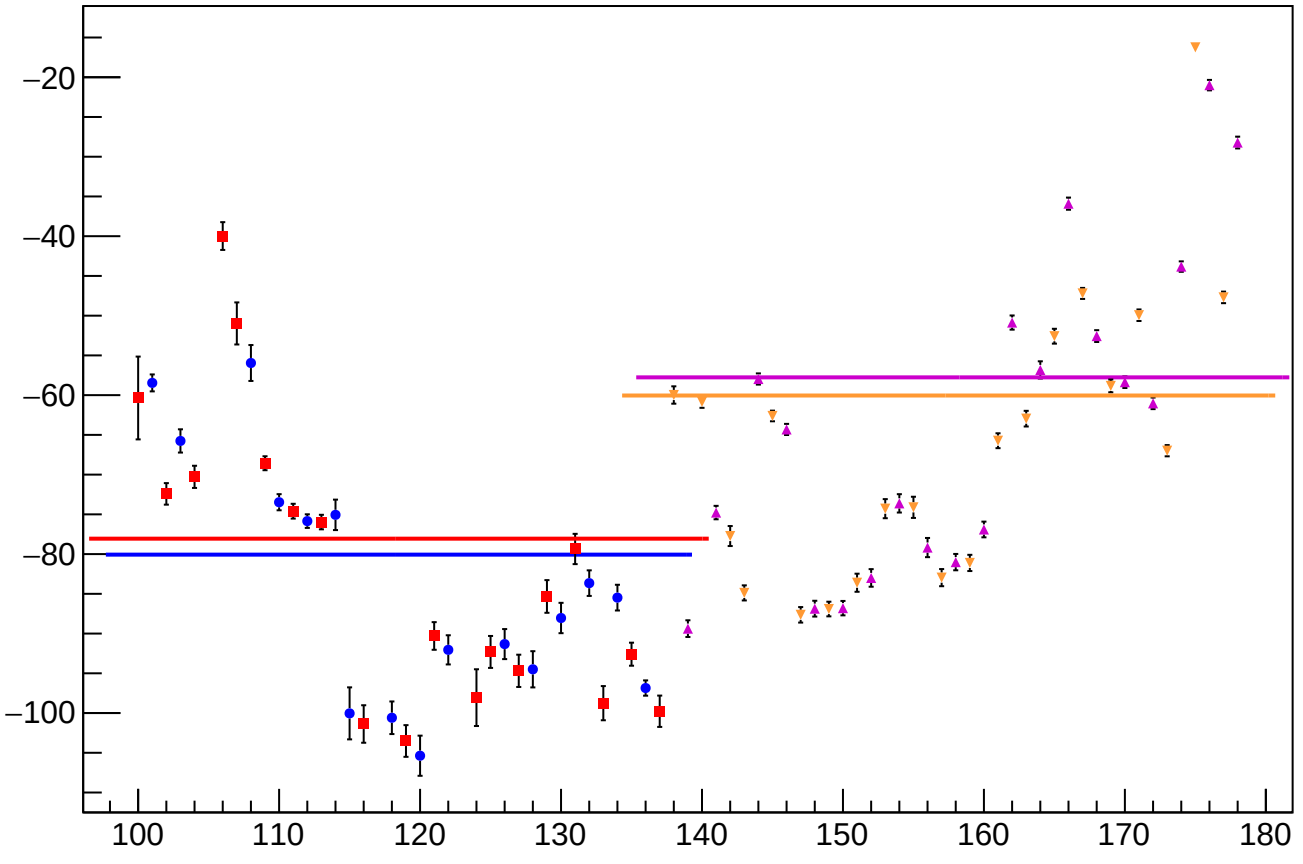
Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

Left In: 0.264+/-0.140 χ^2/NDF:2478.5/19

\+ sign -0.257+/-0.129 χ^2/NDF: 3946.2/36

All: -0.174+/-0.092 χ^2/NDF: 6924.7/75

\- sign -0.090+/-0.130 χ^2/NDF: 2977.6/38



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -60.046+/-0.188 χ^2/NDF:10658.8/20

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

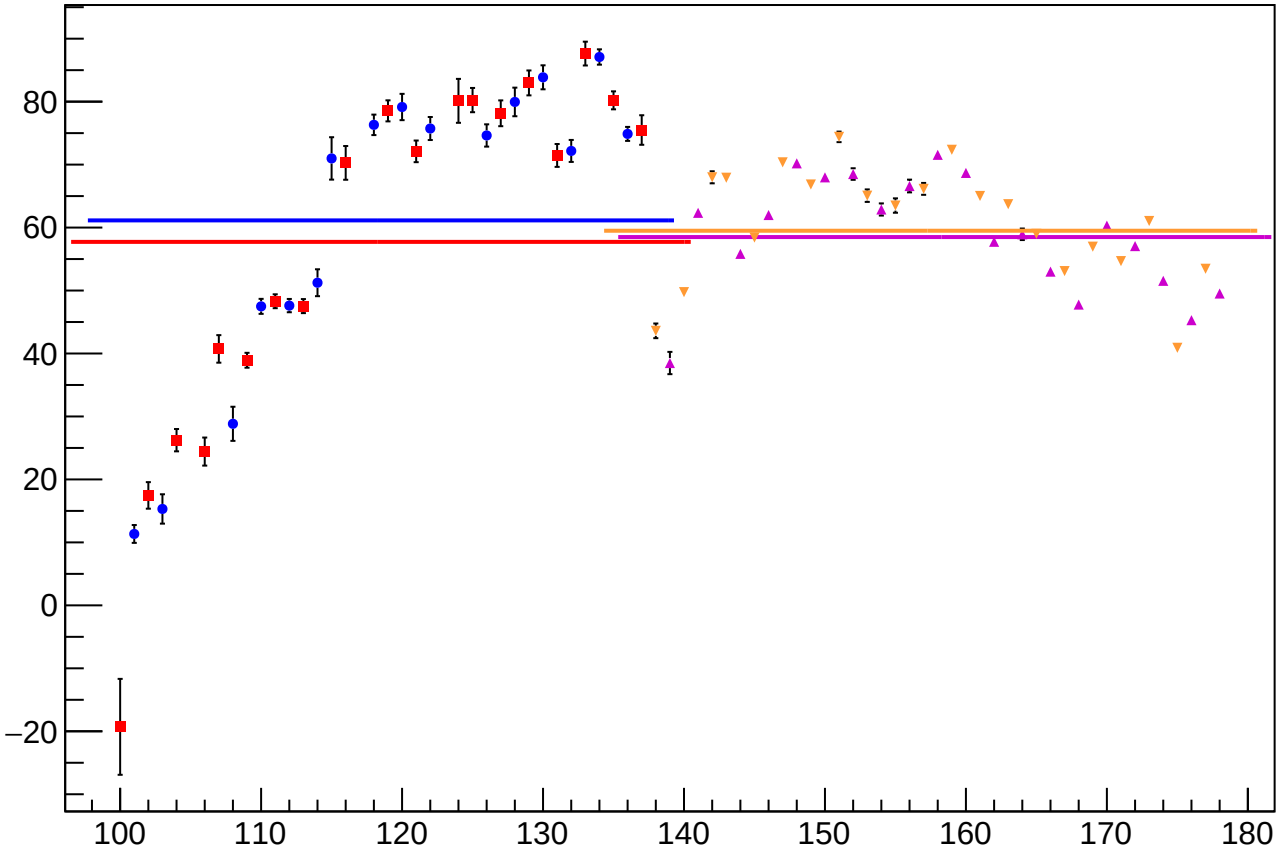
Left In: -57.763+/-0.187 χ^2/NDF:11284.3/19

\+ sign -64.264+/-0.167 χ^2/NDF: 14429.0/36

All: -63.219+/-0.118 χ^2/NDF: 29927.6/75

\- sign -62.198+/-0.165 χ^2/NDF: 15421.4/38

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 59.497+/-0.158 χ^2/NDF:3022.9/20

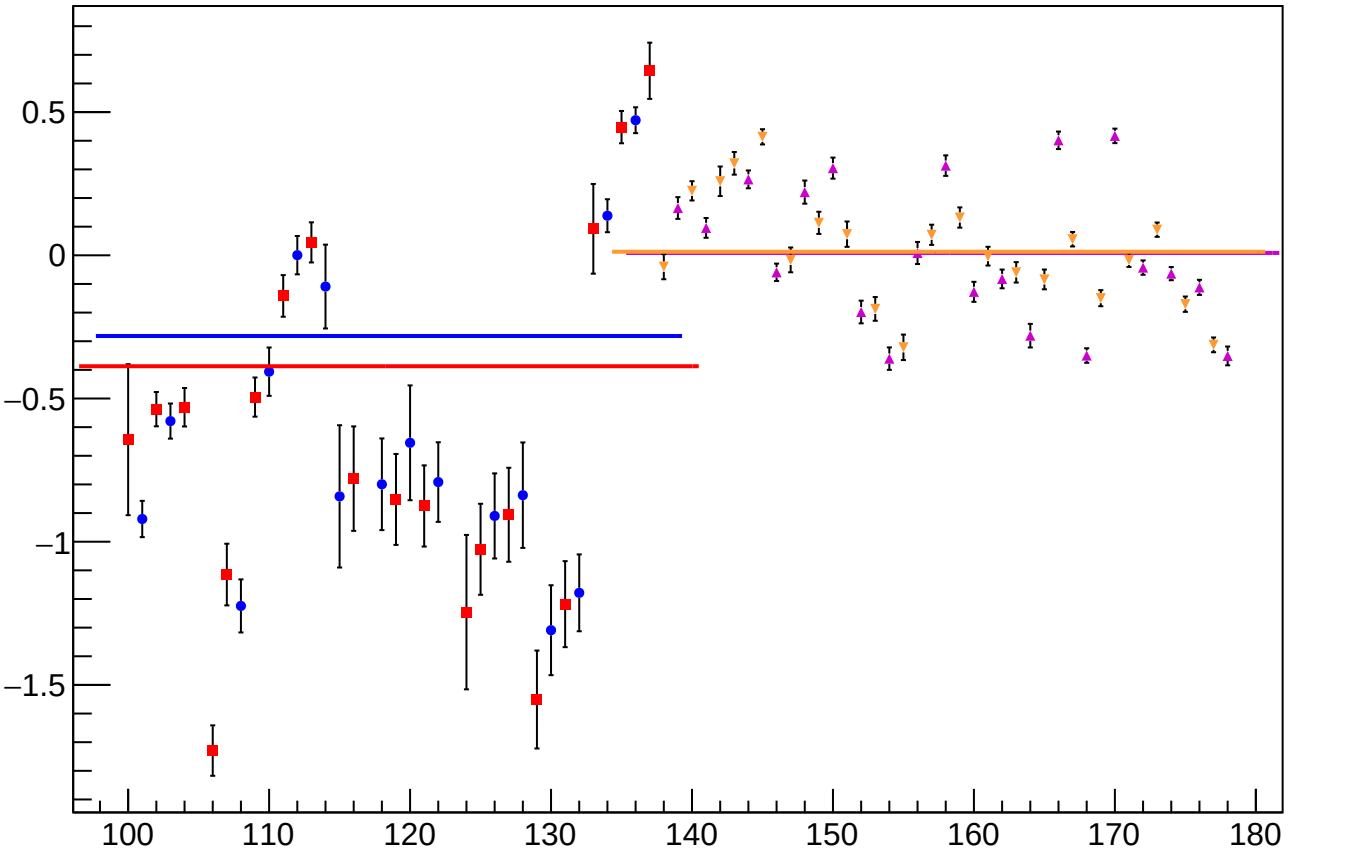
Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

Left In: 58.493+/-0.158 χ^2/NDF:2399.5/19

+ sign 59.717+/-0.147 χ^2/NDF: 6266.8/36

All: 59.055+/-0.104 χ^2/NDF: 11486.0/75

- sign 58.389+/-0.147 χ^2/NDF: 5178.3/38



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: 0.013+/-0.007 χ^2/NDF:719.9/20

Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

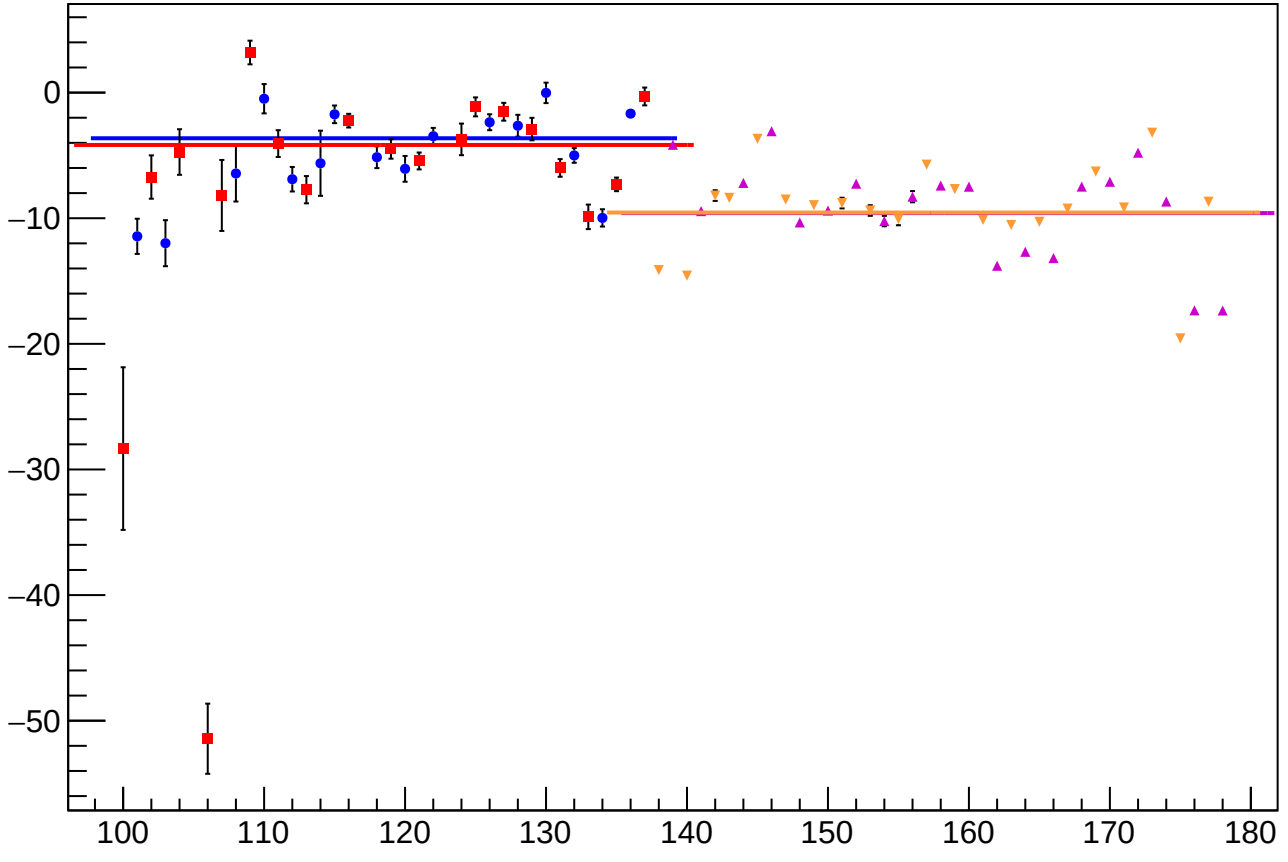
Left In: 0.008+/-0.007 χ^2/NDF:1228.9/19

+ sign -0.016+/-0.007 χ^2/NDF: 1615.2/36

All: -0.023+/-0.005 χ^2/NDF: 3960.0/75

- sign -0.029+/-0.007 χ^2/NDF: 2343.1/38

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -9.547+/-0.061 χ^2/NDF:5485.6/20

Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

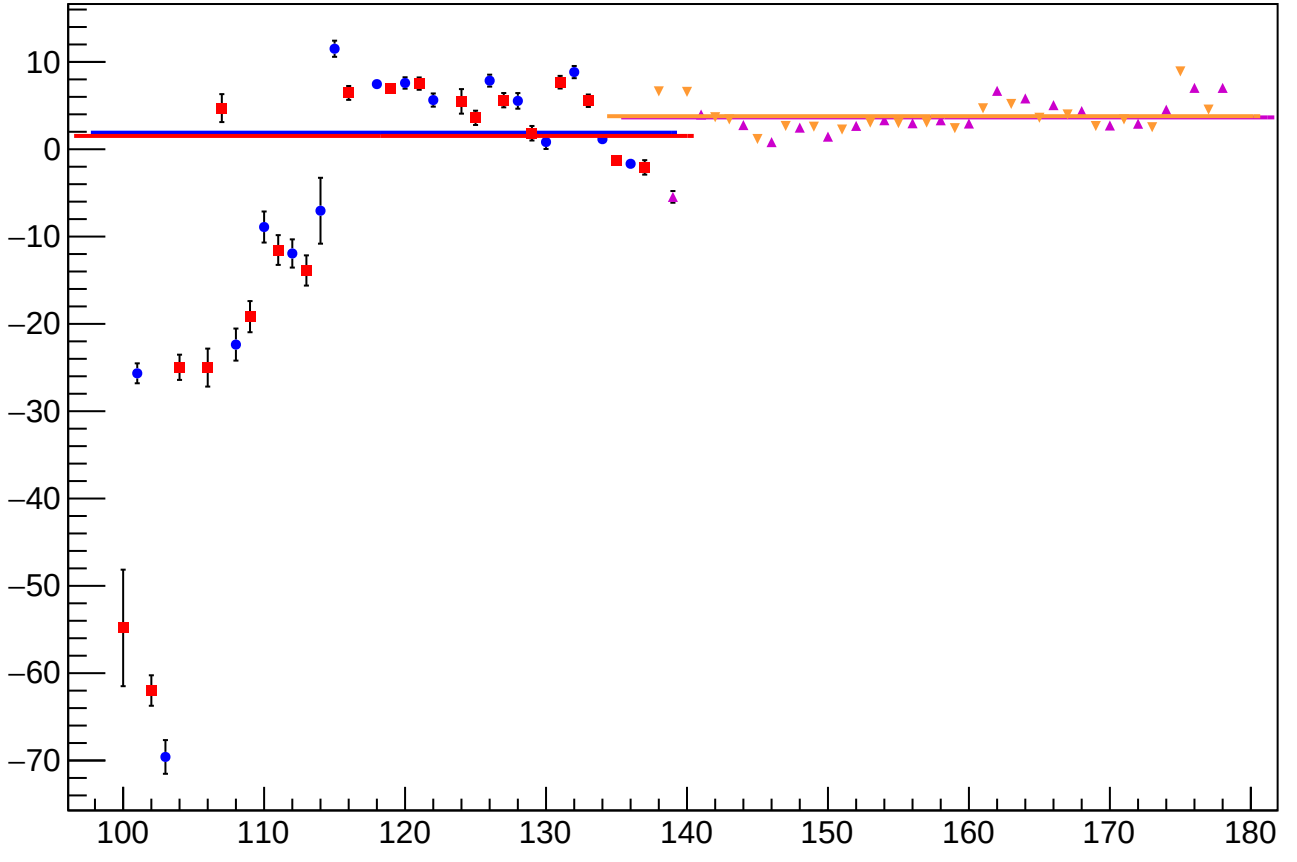
Left In: -9.591+/-0.060 χ^2/NDF:5057.6/19

+ sign -8.985+/-0.058 χ^2/NDF: 6605.8/36

All: -9.062+/-0.041 χ^2/NDF: 12874.2/75

- sign -9.137+/-0.058 χ^2/NDF: 6265.0/38

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 1.898+/-0.189 χ^2/NDF: 2838.2/15

Left Out: 3.785+/-0.045 χ^2/NDF:1674.5/20

Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

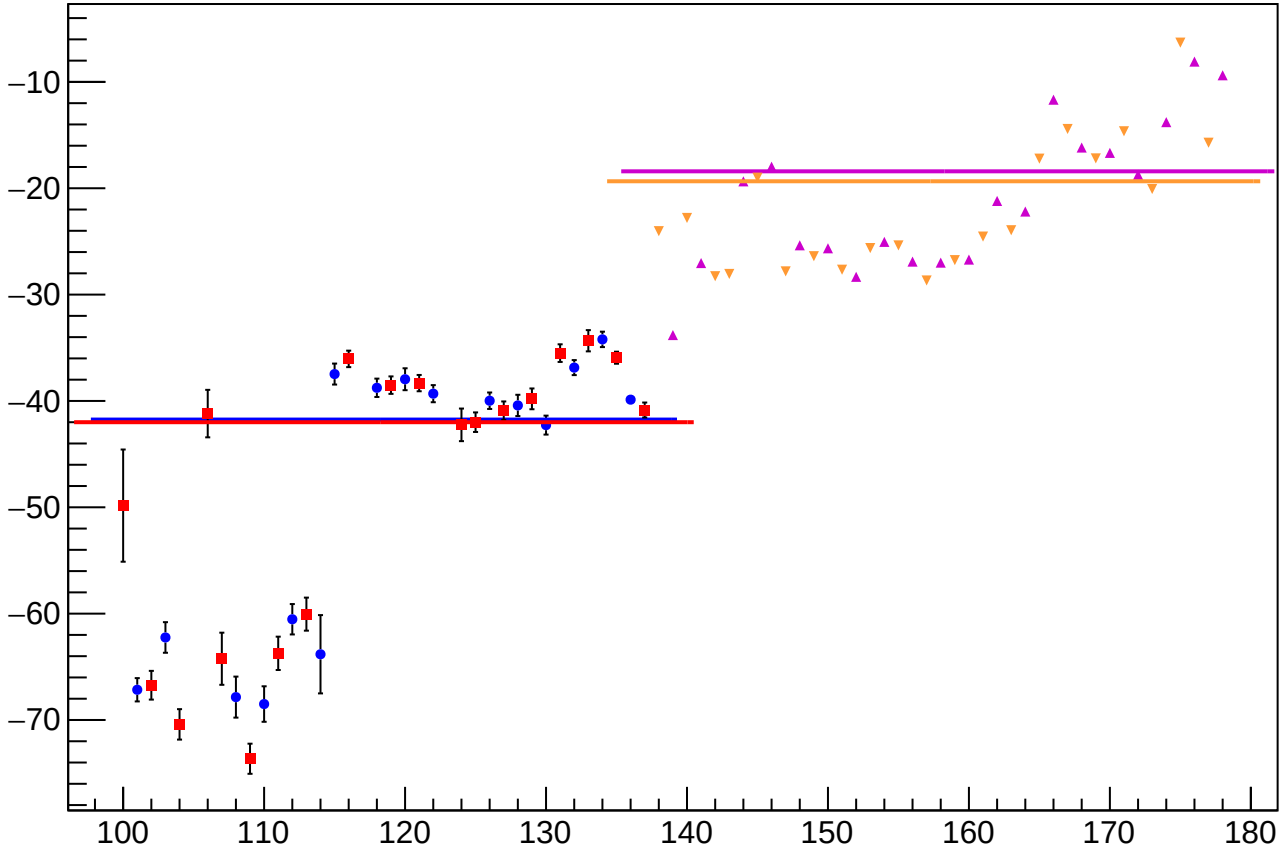
Left In: 3.647+/-0.045 χ^2/NDF:1837.0/19

+ sign 3.683+/-0.044 χ^2/NDF: 4606.9/36

All: 3.618+/-0.031 χ^2/NDF: 9107.3/75

- sign 3.553+/-0.044 χ^2/NDF: 4496.0/38

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -41.751+/-0.208 χ^2/NDF: 1633.9/15

Left Out: -19.344+/-0.061 χ^2/NDF:11401.7/20

Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

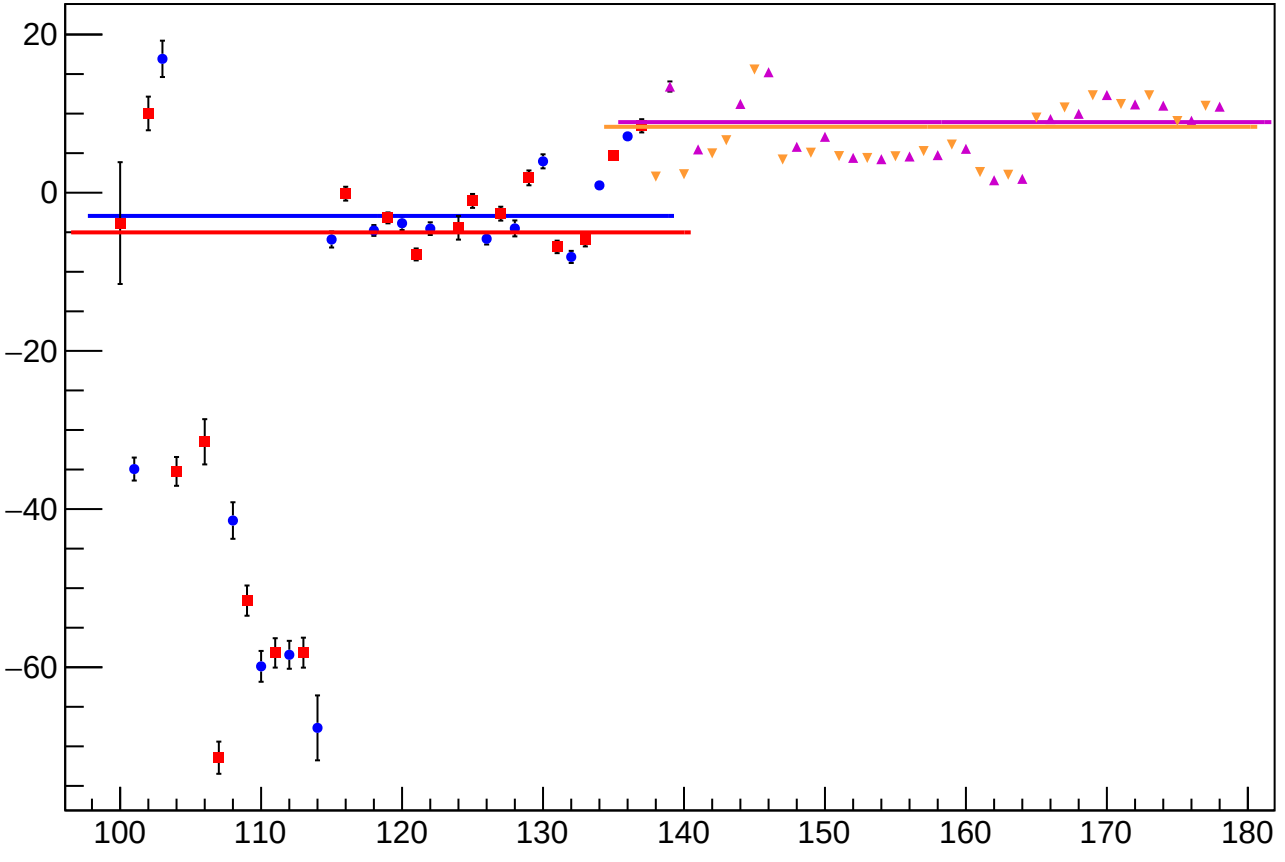
Left In: -18.408+/-0.060 χ^2/NDF:11970.9/19

+ sign -21.120+/-0.058 χ^2/NDF: 23759.1/36

All: -20.521+/-0.041 χ^2/NDF: 47914.3/75

- sign -19.932+/-0.058 χ^2/NDF: 23947.0/38

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 8.330+/-0.051 χ^2/NDF:6130.1/20

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

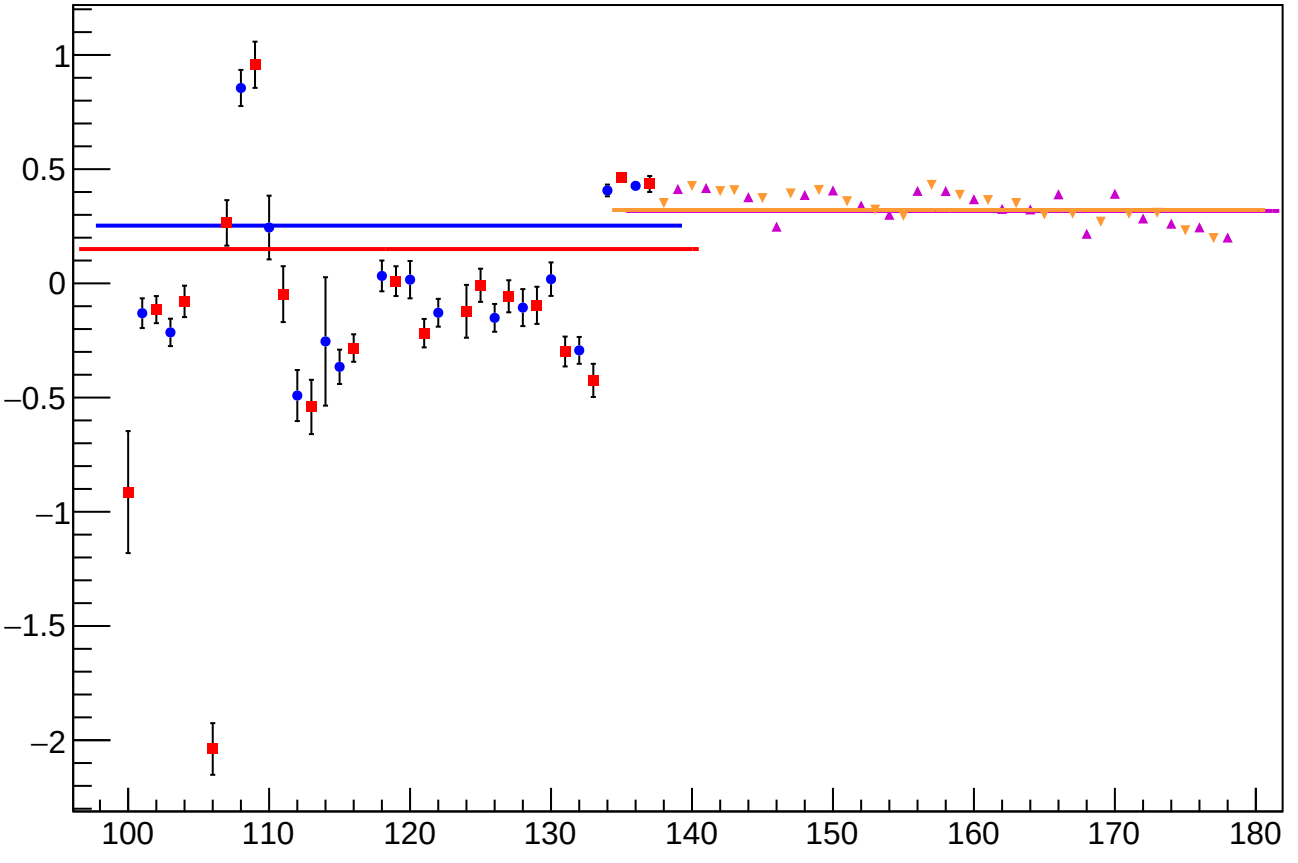
Left In: 8.925+/-0.051 χ^2/NDF:5402.5/19

+ sign 7.702+/-0.050 χ^2/NDF: 12582.1/36

All: 7.995+/-0.035 χ^2/NDF: 25884.7/75

- sign 8.288+/-0.050 χ^2/NDF: 13232.5/38

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.253+/-0.011 χ^2/NDF: 631.0/15

Left Out: 0.321+/-0.002 χ^2/NDF:806.1/20

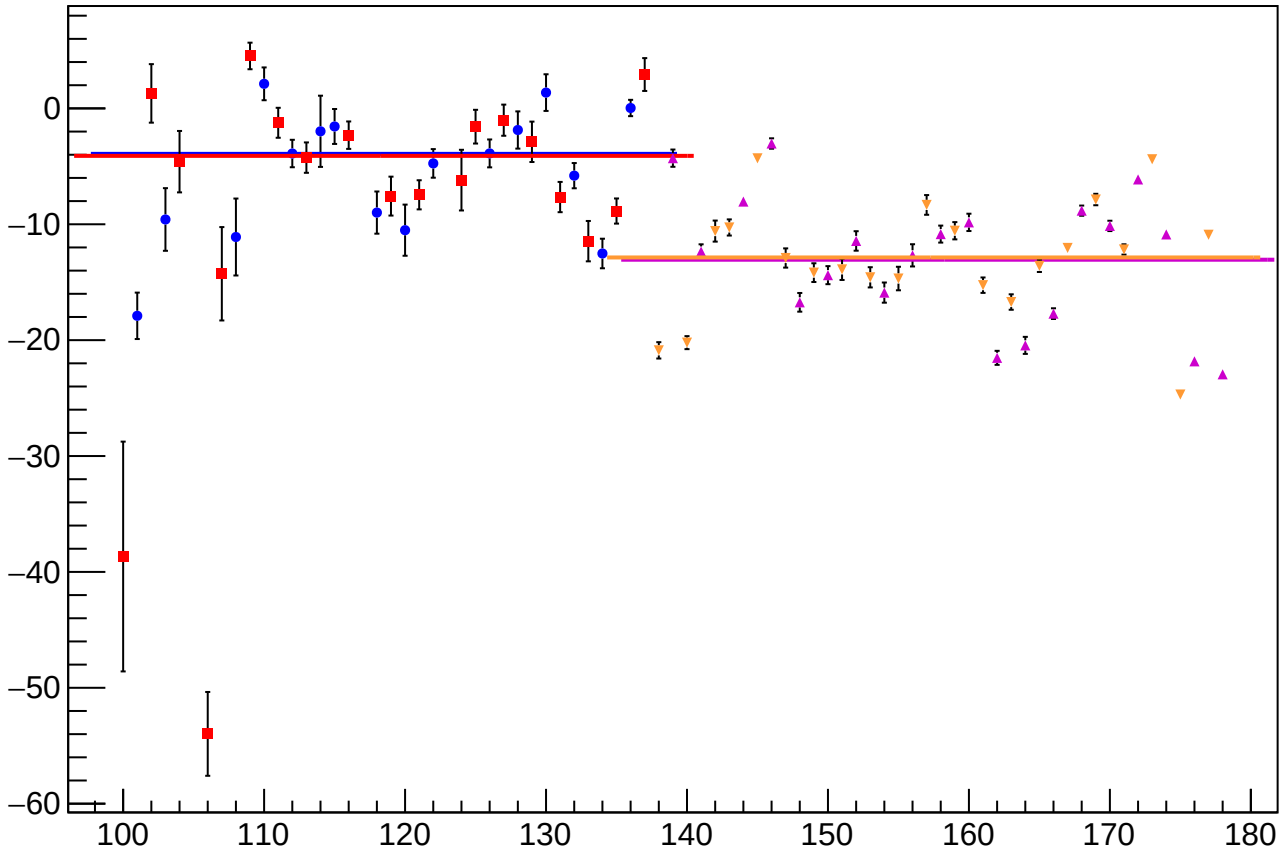
Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

Left In: 0.317+/-0.002 χ^2/NDF:1009.2/19

+ sign 0.319+/-0.002 χ^2/NDF: 1471.4/36

All: 0.316+/-0.002 χ^2/NDF: 3654.2/75

- sign 0.312+/-0.002 χ^2/NDF: 2178.8/38



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -12.864+/-0.121 χ^2/NDF:2611.2/20

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

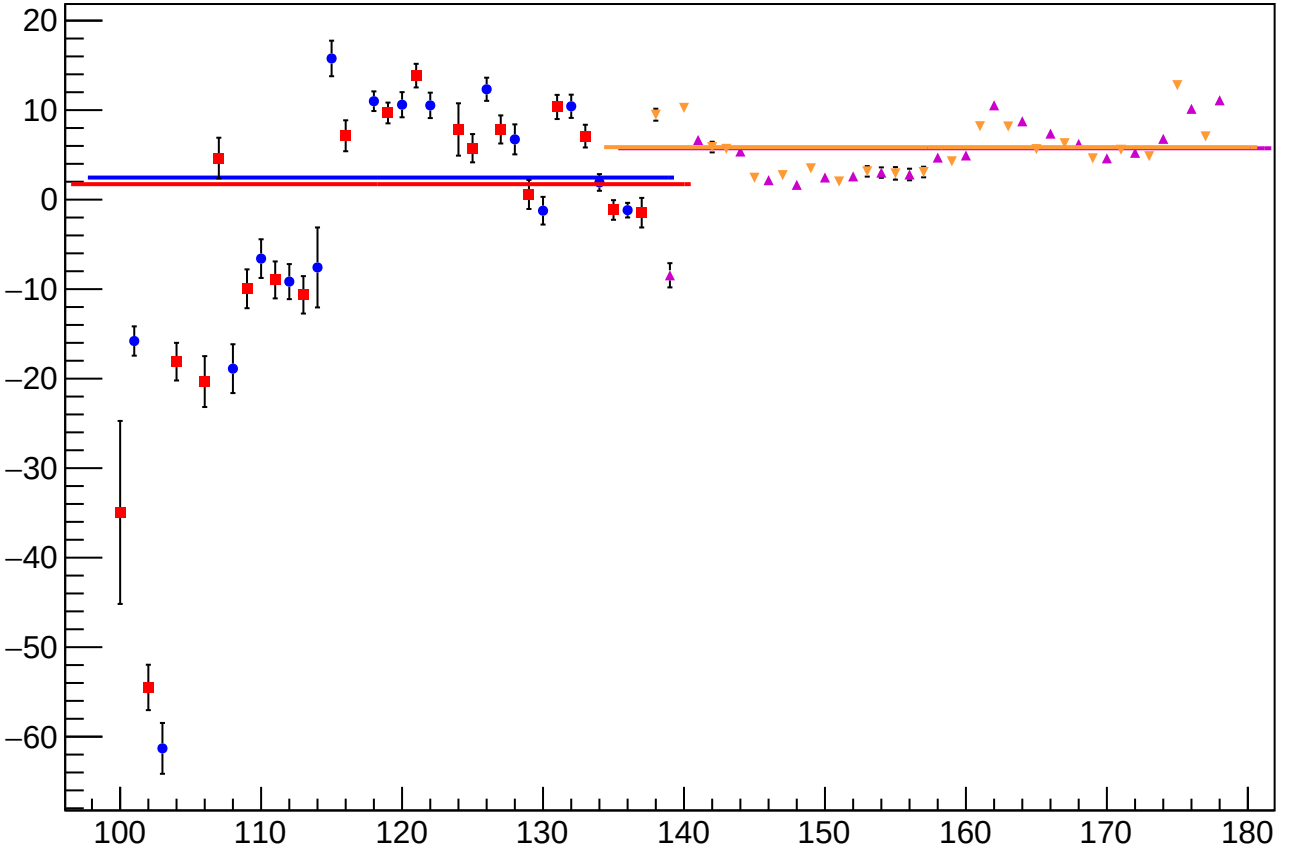
Left In: -13.059+/-0.118 χ^2/NDF:2873.6/19

+ sign -11.888+/-0.114 χ^2/NDF: 3394.7/36

All: -12.036+/-0.080 χ^2/NDF: 7207.4/75

- sign -12.179+/-0.112 χ^2/NDF: 3809.4/38

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 2.465+/-0.357 χ^2/NDF: 1046.7/15

Left Out: 5.862+/-0.090 χ^2/NDF:1002.8/20

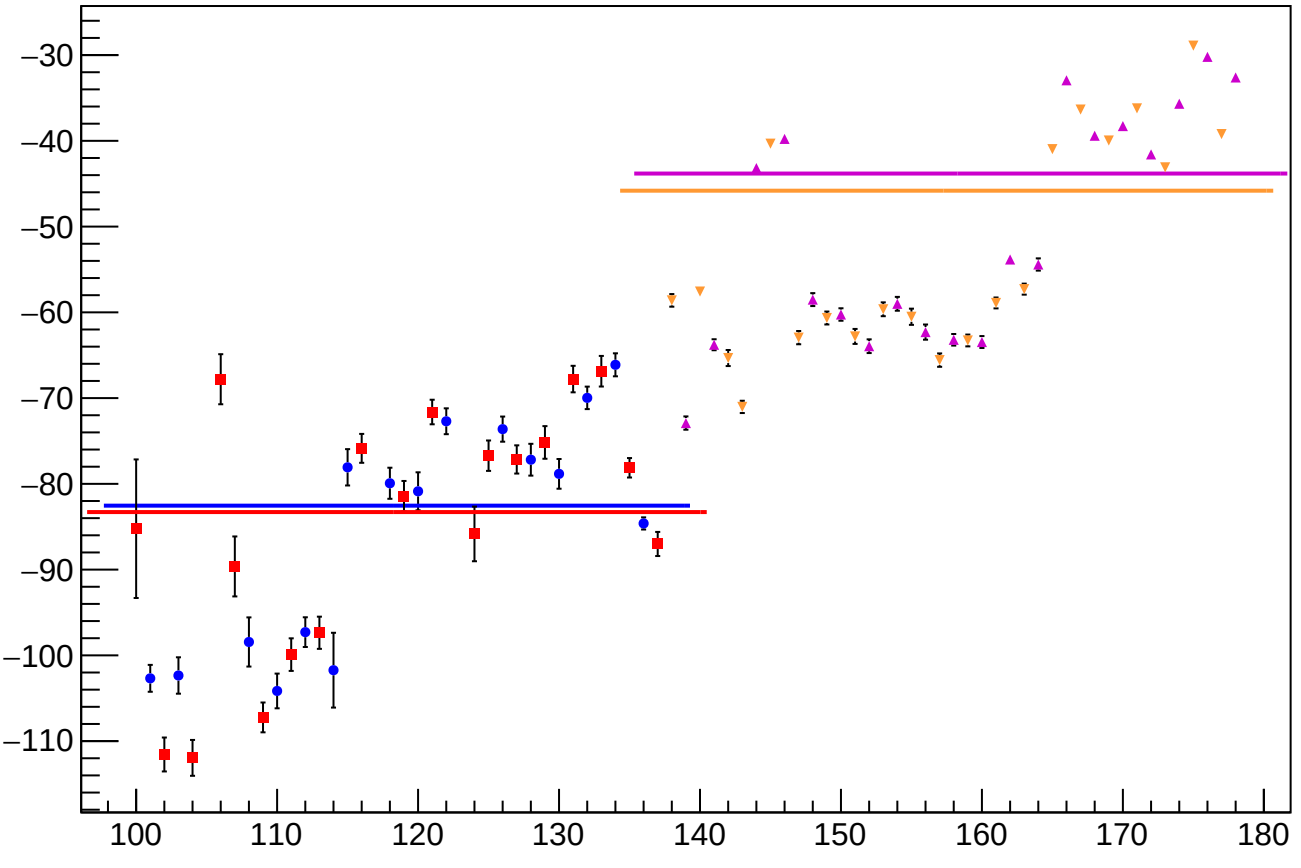
Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

Left In: 5.736+/-0.089 χ^2/NDF:1150.9/19

+ sign 5.657+/-0.088 χ^2/NDF: 2134.7/36

All: 5.596+/-0.061 χ^2/NDF: 4372.1/75

- sign 5.536+/-0.086 χ^2/NDF: 2236.4/38



Right In: -82.542+/-0.384 χ^2/NDF: 838.8/15

Left Out: -45.813+/-0.121 χ^2/NDF:10298.9/20

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

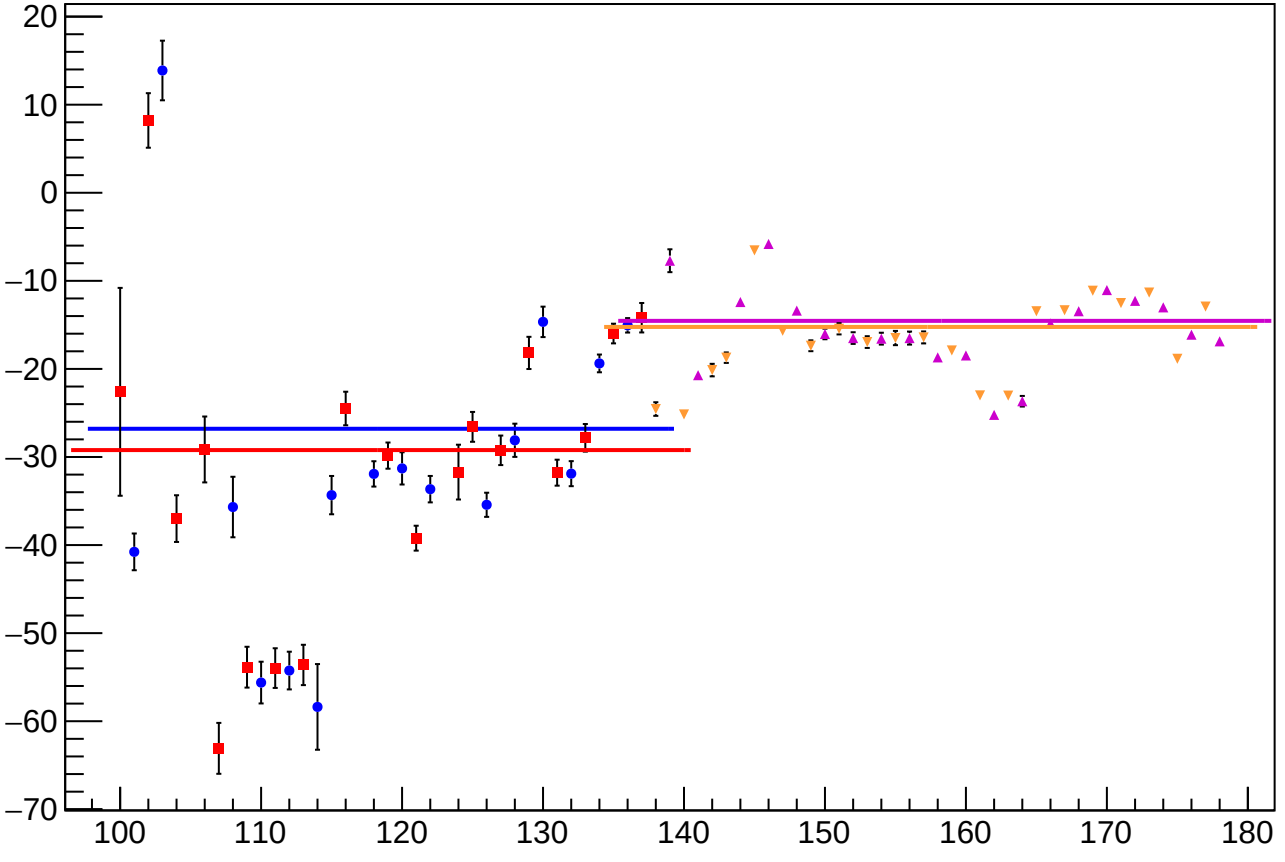
Left In: -43.815+/-0.117 χ^2/NDF:10359.5/19

\+ sign -49.120+/-0.115 χ^2/NDF: 19449.0/36

All: -47.913+/-0.081 χ^2/NDF: 39520.7/75

\- sign -46.753+/-0.113 χ^2/NDF: 19856.8/38

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -26.796+/-0.396 χ^2/NDF: 963.5/15

Left Out: -15.235+/-0.101 χ^2/NDF:2176.4/20

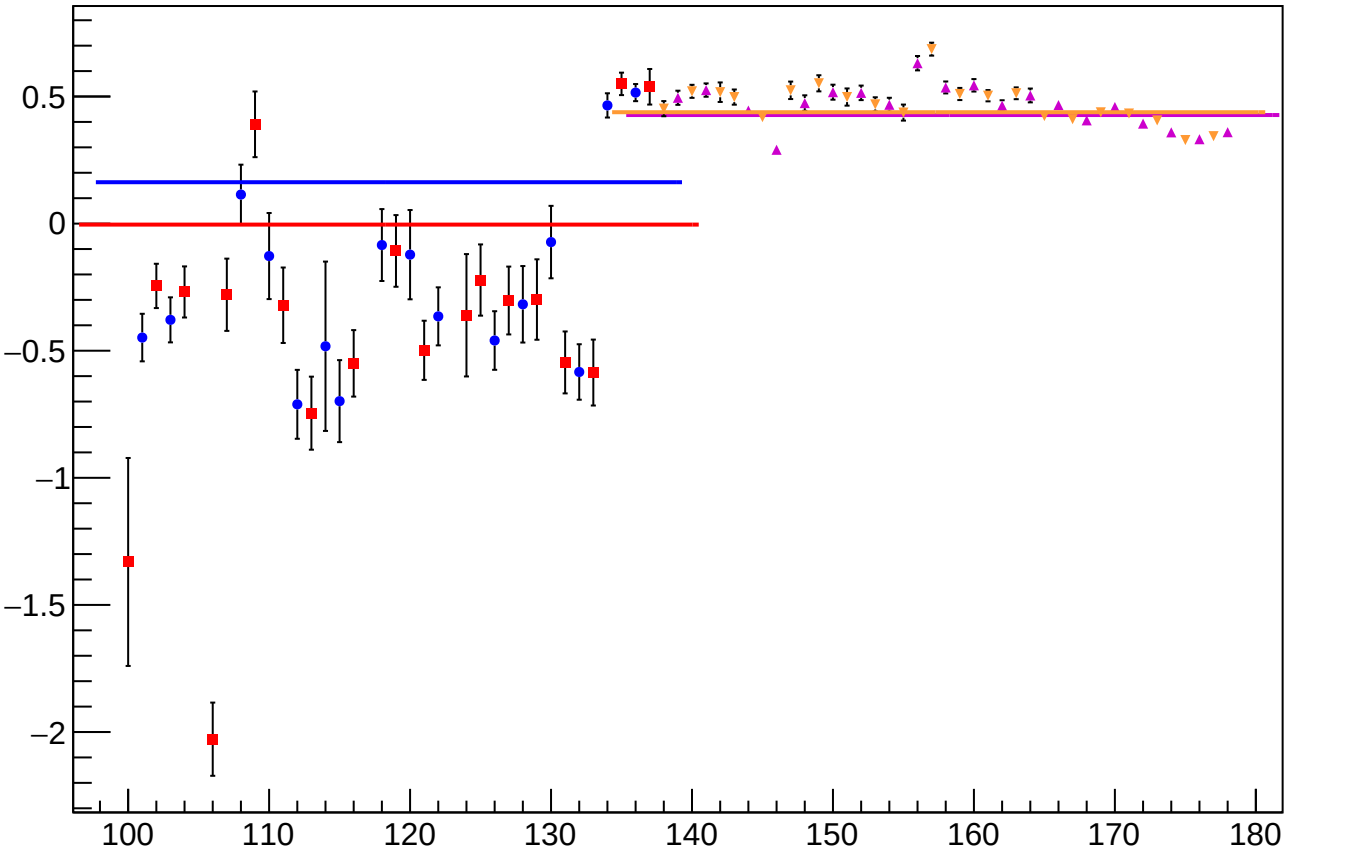
Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

Left In: -14.544+/-0.100 χ^2/NDF:1994.8/19

+ sign -15.948+/-0.098 χ^2/NDF: 3941.3/36

All: -15.614+/-0.069 χ^2/NDF: 8019.2/75

- sign -15.288+/-0.097 χ^2/NDF: 4055.0/38



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.438+/-0.005 χ^2/NDF:268.0/20

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

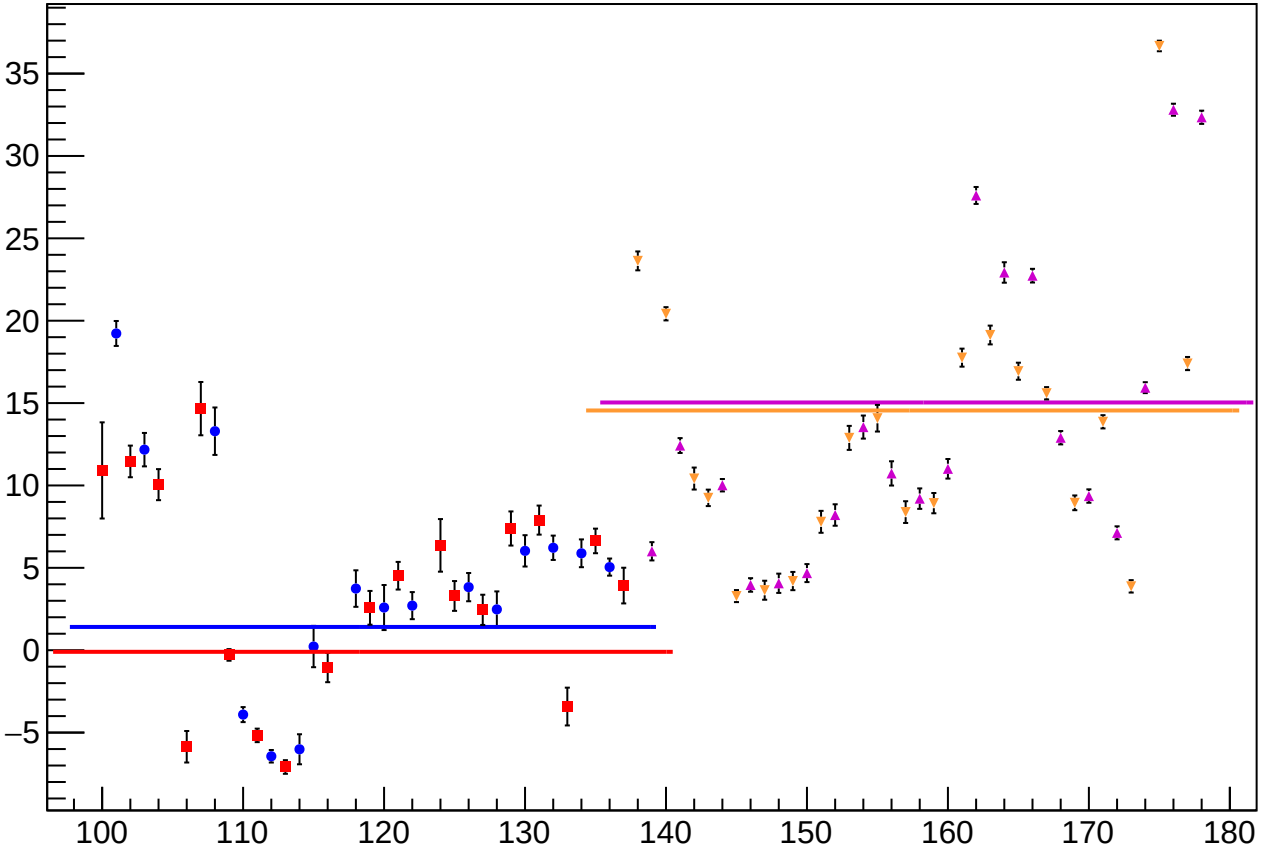
Left In: 0.427+/-0.004 χ^2/NDF:301.3/19

+ sign 0.426+/-0.004 χ^2/NDF: 849.0/36

All: 0.420+/-0.003 χ^2/NDF: 2029.8/75

- sign 0.413+/-0.004 χ^2/NDF: 1176.4/38

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: 14.552+/-0.105 χ^2/NDF:8424.4/20

Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

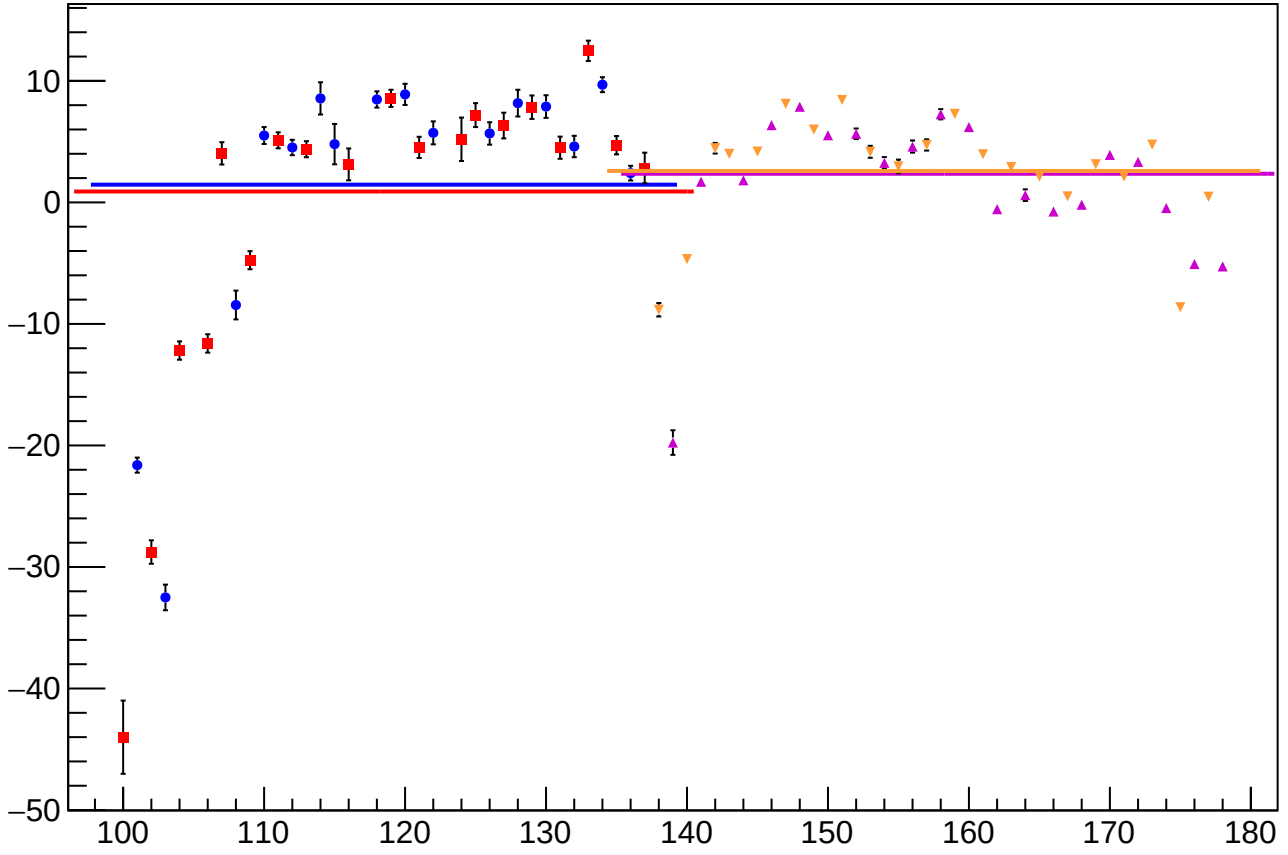
Left In: 15.037+/-0.104 χ^2/NDF:8144.7/19

+ sign 11.314+/-0.091 χ^2/NDF: 13827.4/36

All: 11.060+/-0.063 χ^2/NDF: 29032.2/75

- sign 10.821+/-0.088 χ^2/NDF: 15189.7/38

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: 2.588+/-0.077 χ^2/NDF:3447.6/20

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

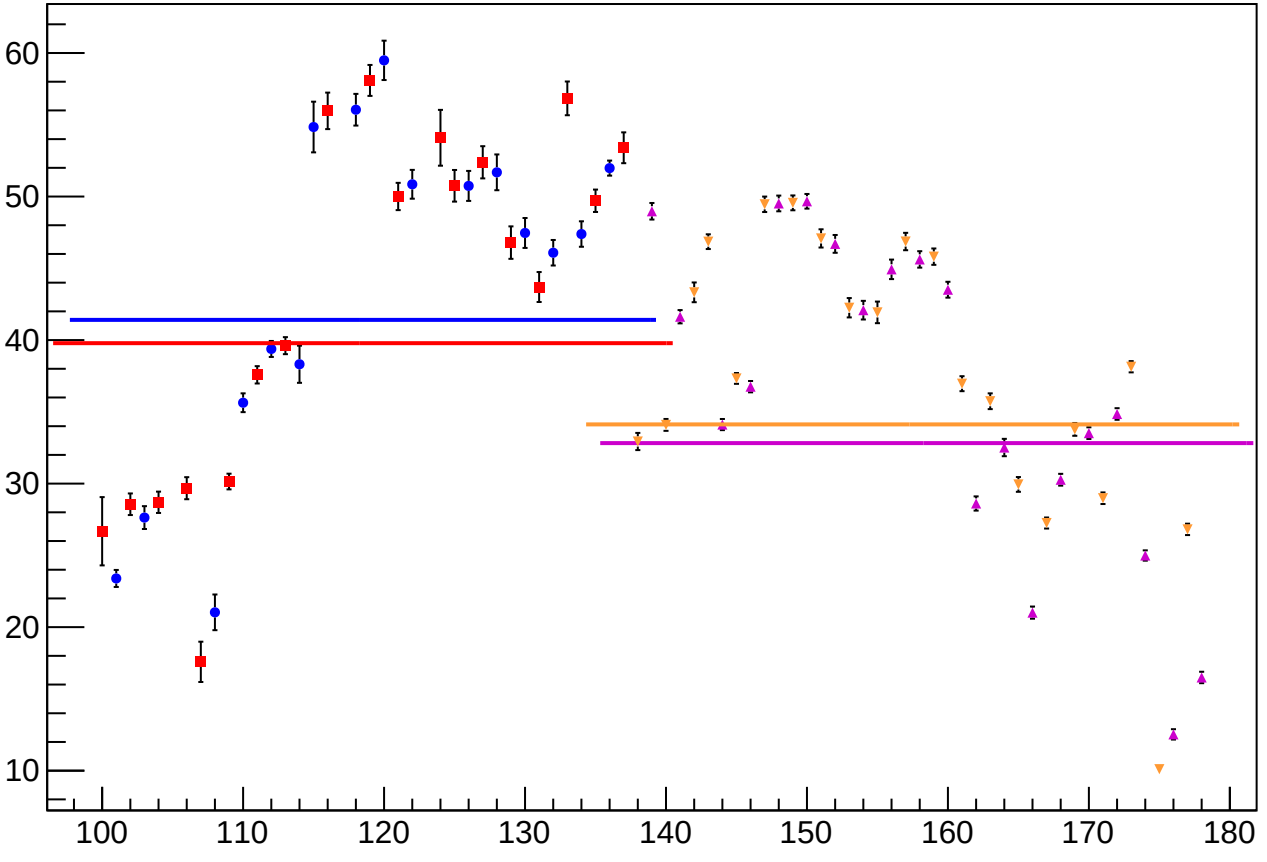
Left In: 2.357+/-0.077 χ^2/NDF:2877.0/19

+ sign 2.447+/-0.072 χ^2/NDF: 6554.8/36

All: 2.309+/-0.051 χ^2/NDF: 11861.9/75

- sign 2.171+/-0.072 χ^2/NDF: 5299.7/38

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: 34.125+/-0.104 χ^2/NDF:10710.5/20

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

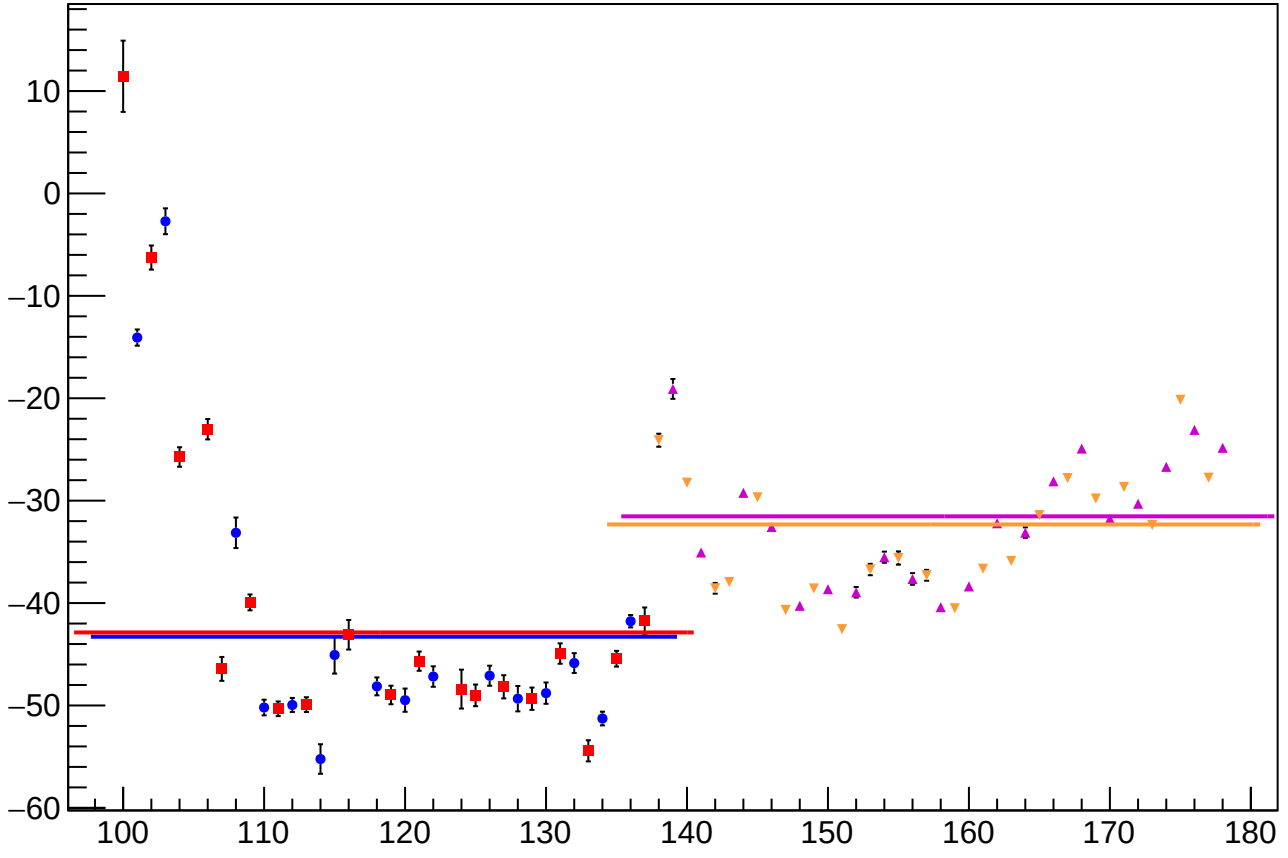
Left In: 32.822+/-0.103 χ^2/NDF:11399.5/19

+ sign 35.555+/-0.093 χ^2/NDF: 14417.0/36

All: 34.898+/-0.066 χ^2/NDF: 29502.8/75

- sign 34.258+/-0.092 χ^2/NDF: 14988.0/38

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: -32.324+/-0.087 χ^2/NDF:4610.0/20

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

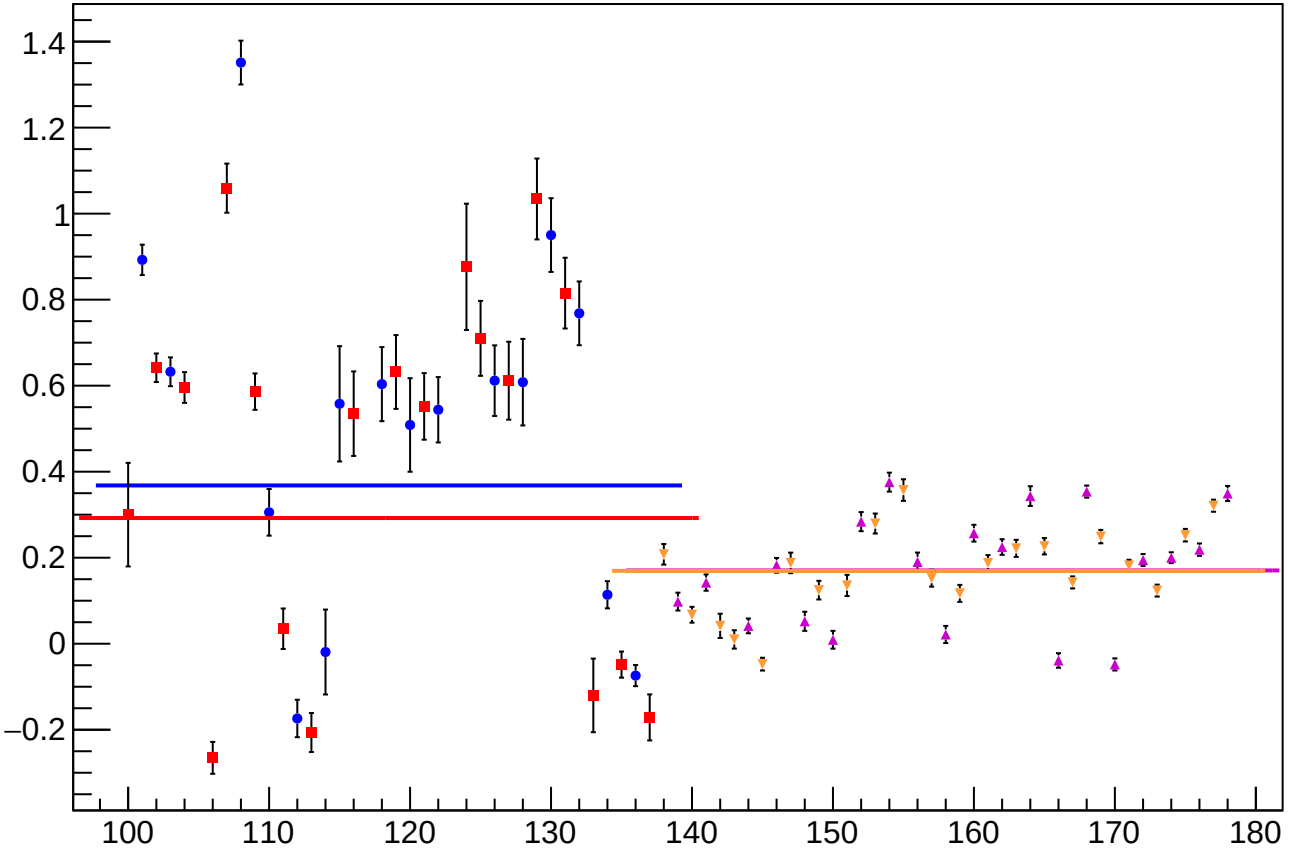
Left In: -31.531+/-0.087 χ^2/NDF:3727.8/19

+ sign -33.708+/-0.081 χ^2/NDF: 9591.4/36

All: -33.342+/-0.058 χ^2/NDF: 17951.6/75

- sign -32.974+/-0.082 χ^2/NDF: 8319.9/38

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: 0.169+/-0.004 χ^2/NDF:620.8/20

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

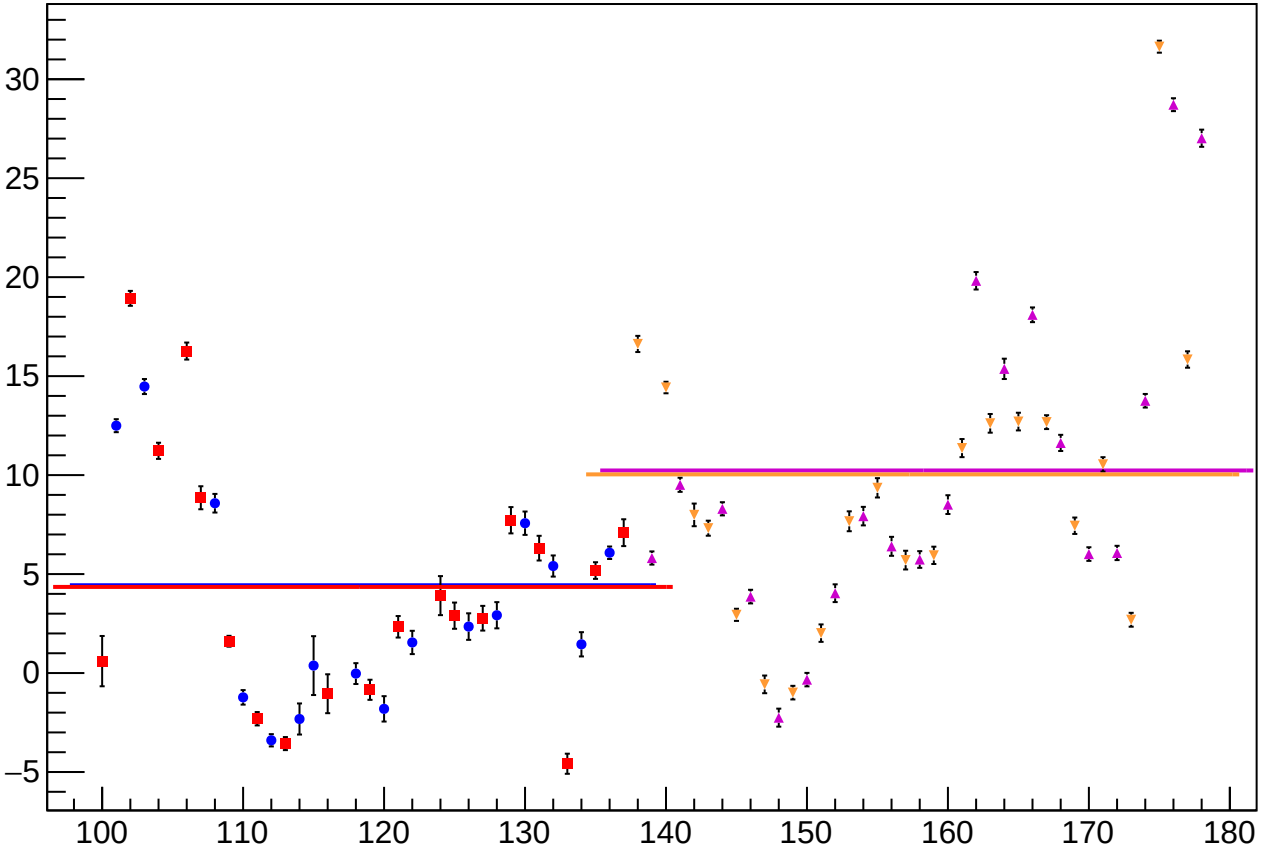
Left In: 0.170+/-0.004 χ^2/NDF:1100.2/19

+ sign 0.188+/-0.004 χ^2/NDF: 2181.7/36

All: 0.185+/-0.003 χ^2/NDF: 4574.4/75

- sign 0.182+/-0.004 χ^2/NDF: 2391.3/38

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: 10.037+/-0.086 χ^2/NDF:9066.4/20

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

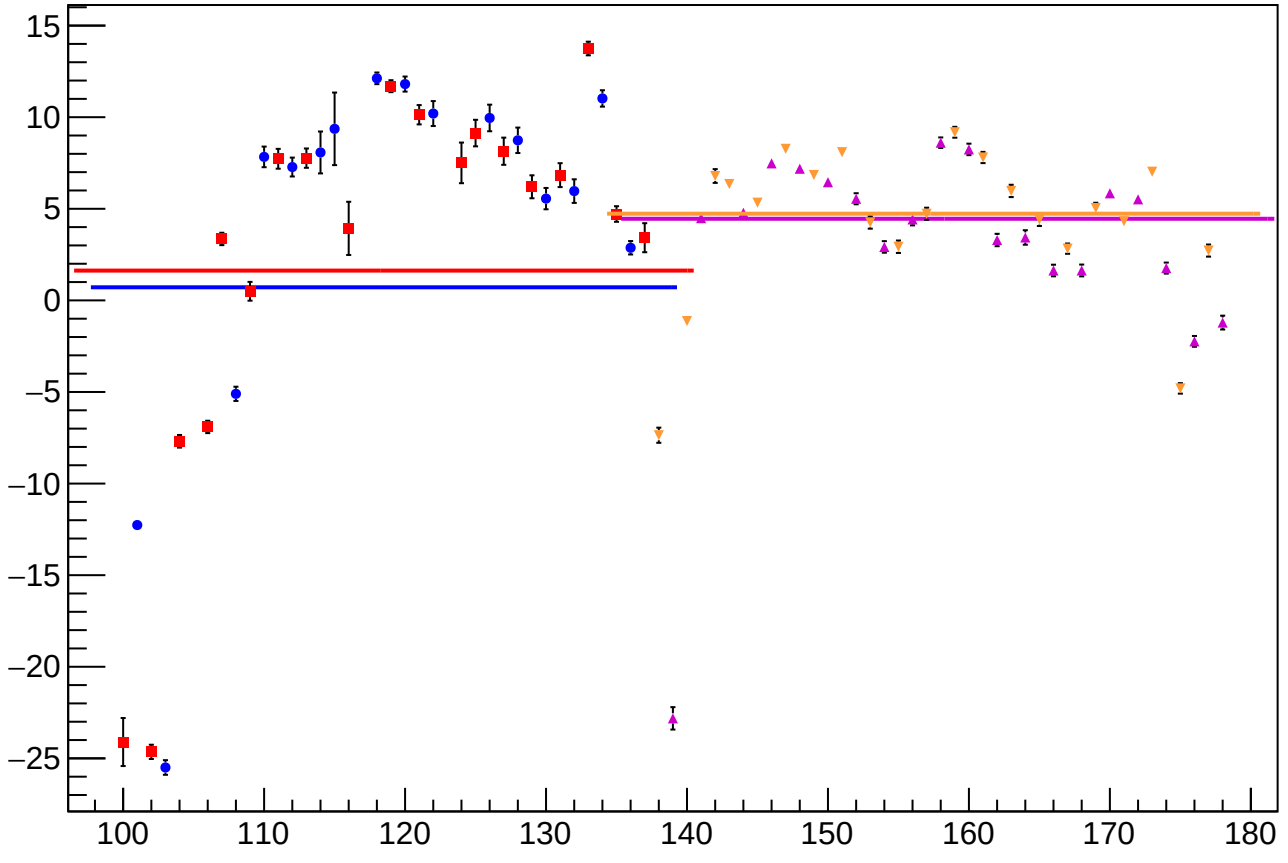
Left In: 10.233+/-0.087 χ^2/NDF:8808.0/19

+ sign 8.073+/-0.069 χ^2/NDF: 13178.1/36

All: 8.014+/-0.048 χ^2/NDF: 27975.3/75

- sign 7.957+/-0.068 χ^2/NDF: 14795.8/38

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: 0.715+/-0.116 χ^2/NDF: 10454.0/15

Left Out: 4.733+/-0.062 χ^2/NDF:3698.7/20

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

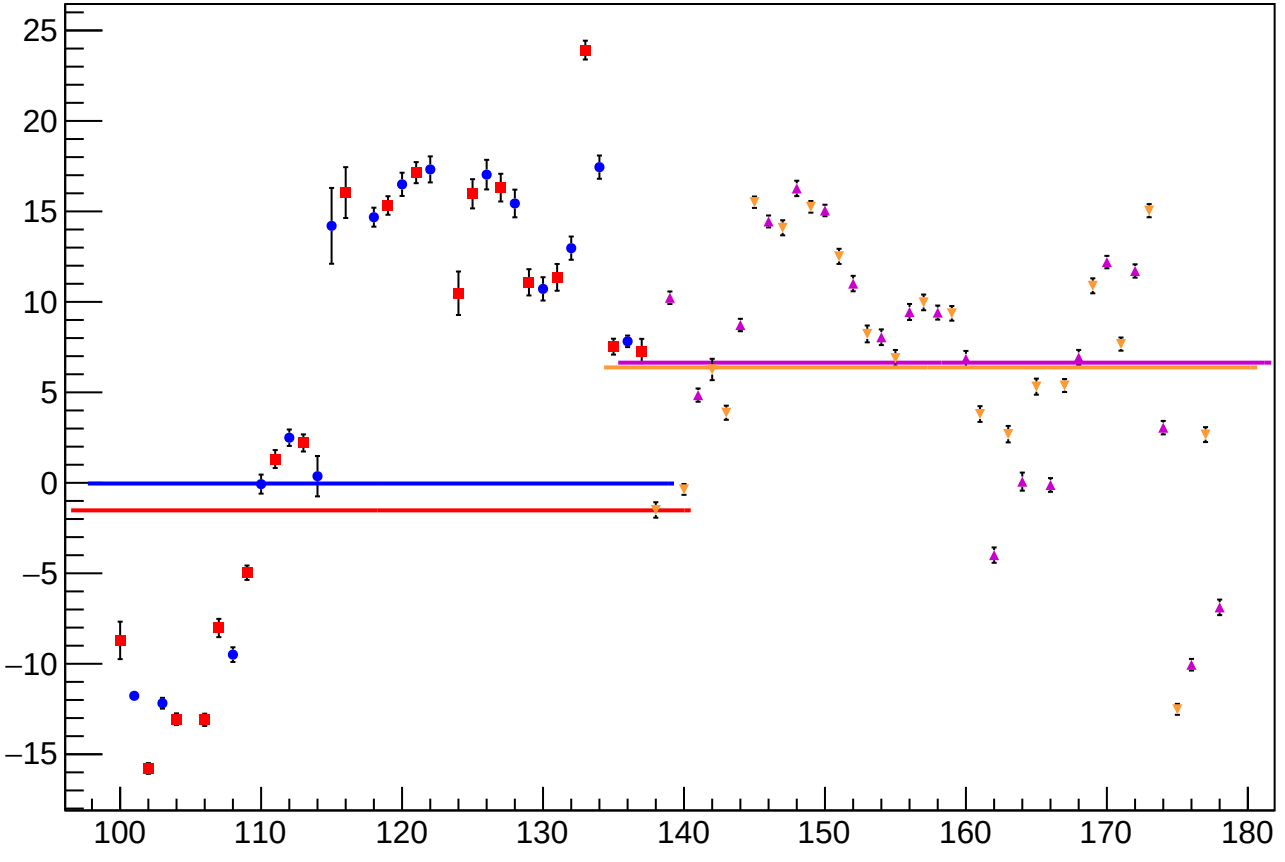
Left In: 4.455+/-0.064 χ^2/NDF:3858.3/19

+ sign 3.831+/-0.055 χ^2/NDF: 15084.5/36

All: 3.789+/-0.039 χ^2/NDF: 28685.6/75

- sign 3.746+/-0.056 χ^2/NDF: 13600.0/38

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: 6.377+/-0.085 χ^2/NDF:7963.7/20

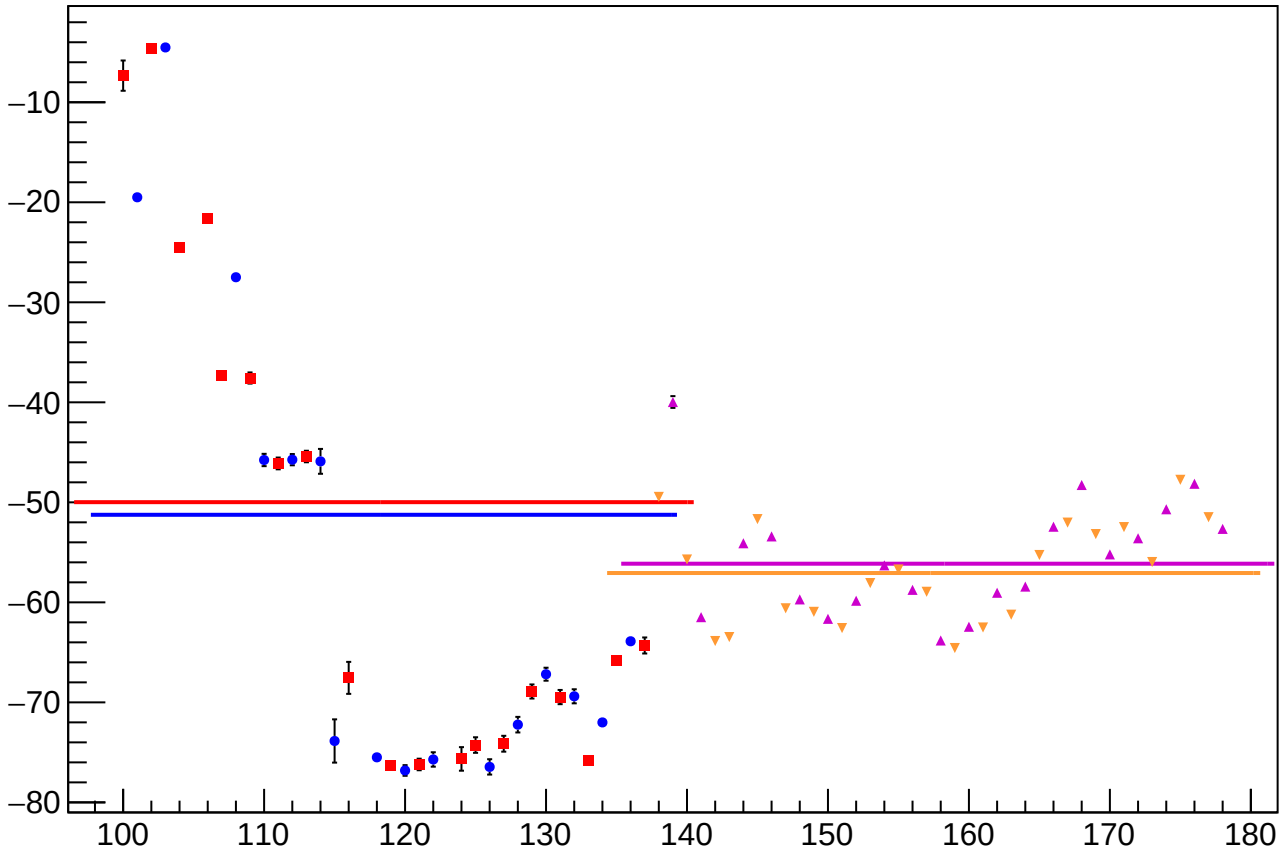
Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

Left In: 6.642+/-0.085 χ^2/NDF:7479.8/19

+ sign 4.222+/-0.069 χ^2/NDF: 19156.4/36

All: 3.979+/-0.049 χ^2/NDF: 42033.0/75

- sign 3.739+/-0.069 χ^2/NDF: 22852.1/38



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -57.068+/-0.071 χ^2/NDF:4847.9/20

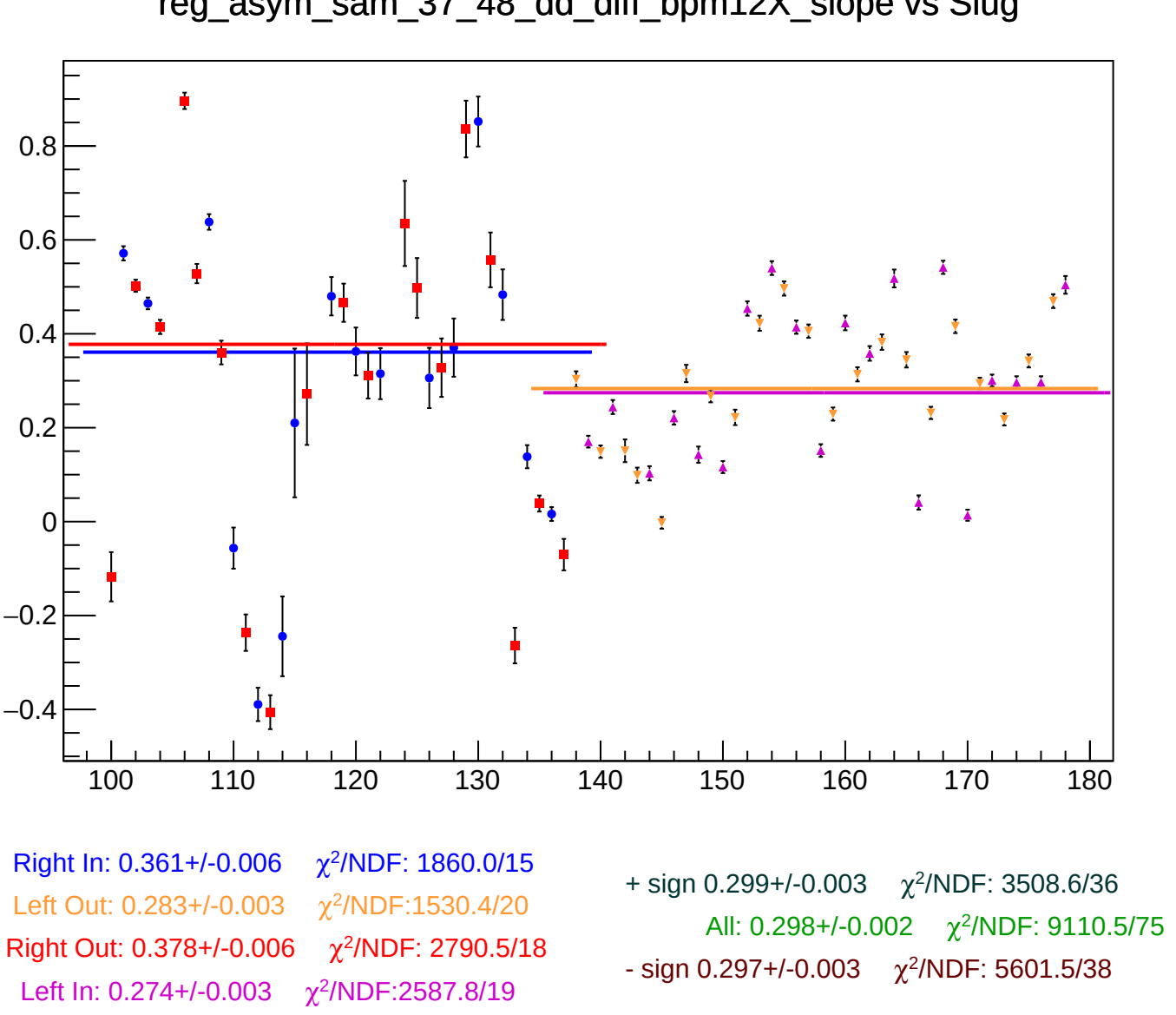
Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

Left In: -56.136+/-0.073 χ^2/NDF:4690.0/19

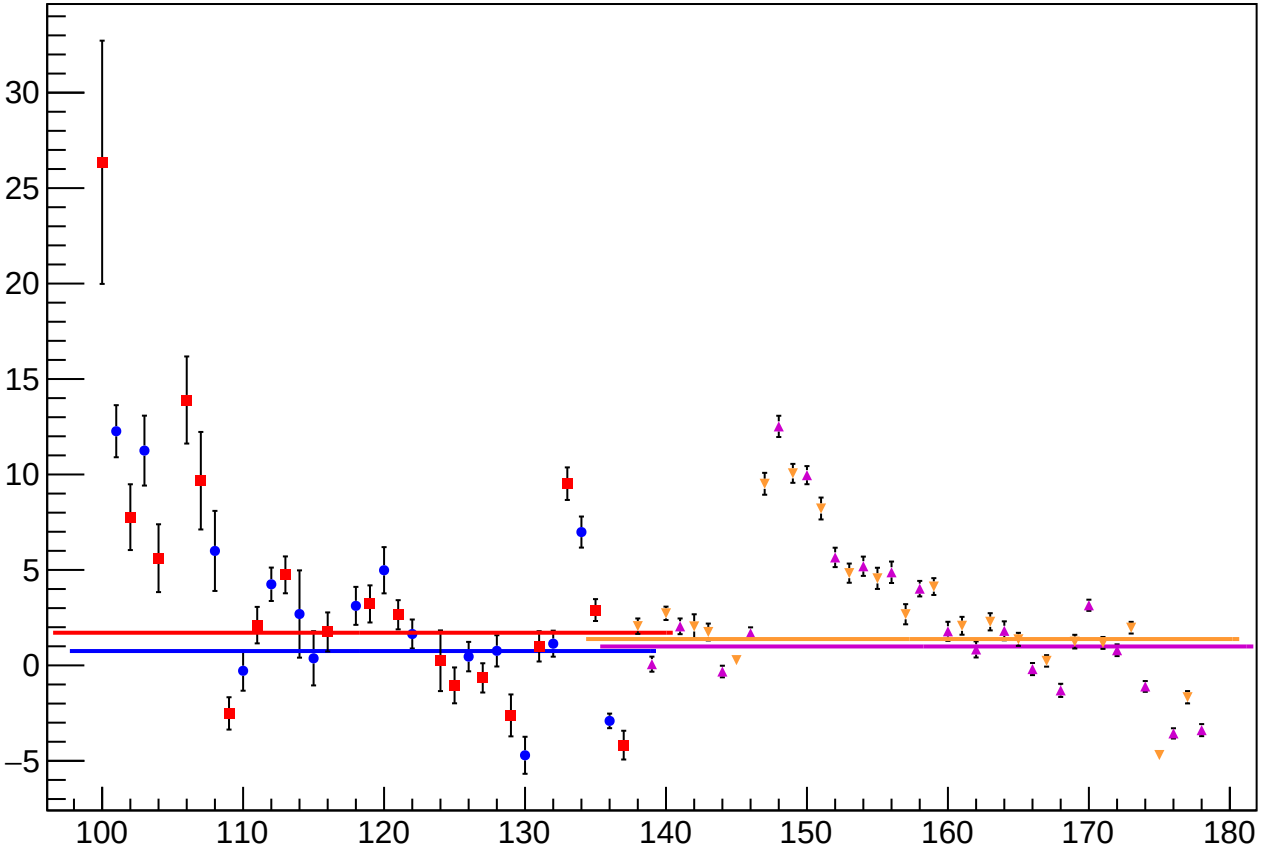
+ sign -55.810+/-0.063 χ^2/NDF: 40054.7/36

All: -55.248+/-0.045 χ^2/NDF: 80488.4/75

- sign -54.678+/-0.064 χ^2/NDF: 40274.1/38


reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
180
Right In: 0.361+/-0.006 χ²/NDF: 1860.0/15
Left Out: 0.283+/-0.003 χ²/NDF:1530.4/20
Right Out: 0.378+/-0.006 χ²/NDF: 2790.5/18
Left In: 0.274+/-0.003 χ²/NDF:2587.8/19
+ sign 0.299+/-0.003 χ²/NDF: 3508.6/36
All: 0.298+/-0.002 χ²/NDF: 9110.5/75
- sign 0.297+/-0.003 χ²/NDF: 5601.5/38

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: 1.380+/-0.083 χ^2/NDF:1503.8/20

Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

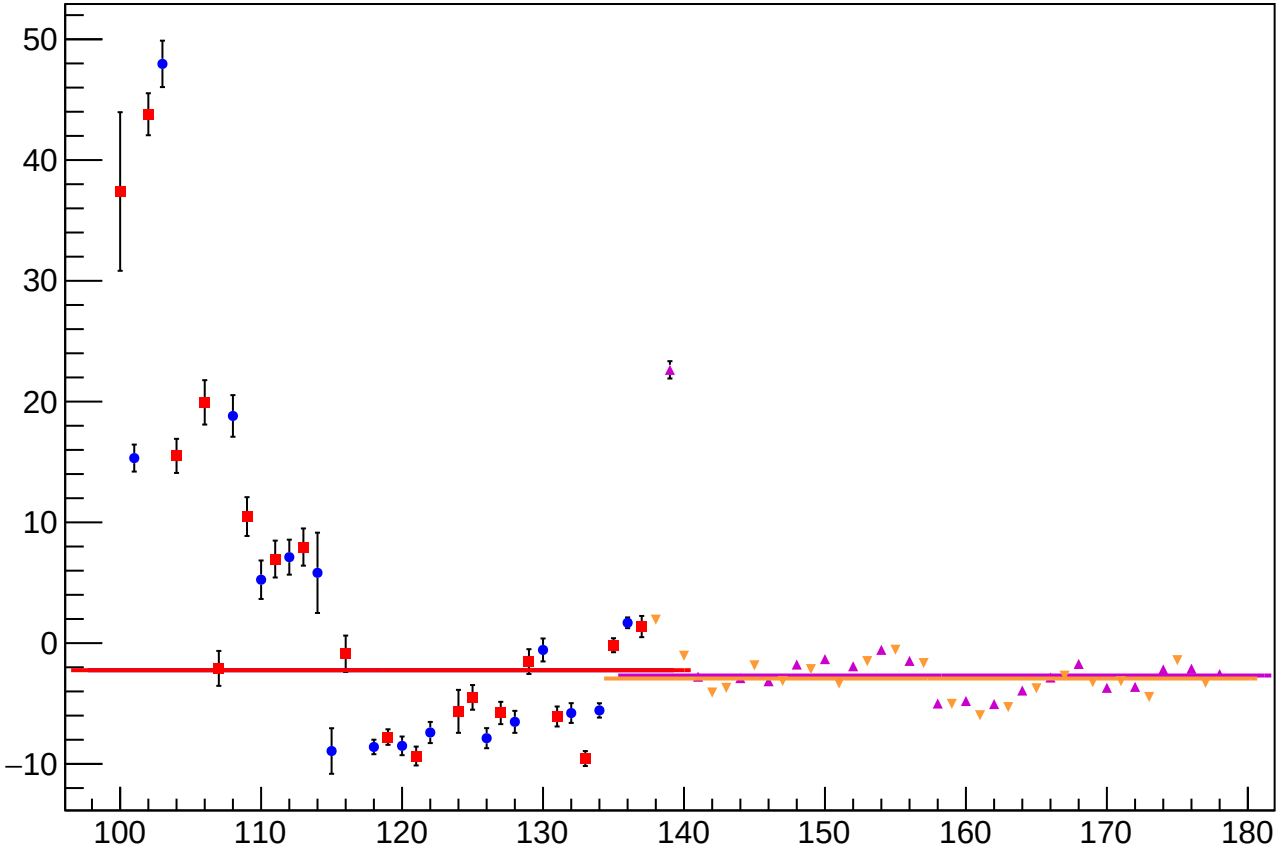
Left In: 0.991+/-0.082 χ^2/NDF:1731.3/19

+ sign 1.297+/-0.077 χ^2/NDF: 1841.5/36

All: 1.186+/-0.055 χ^2/NDF: 3879.9/75

- sign 1.077+/-0.077 χ^2/NDF: 2034.3/38

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: -2.930+/-0.062 χ^2/NDF:606.8/20

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

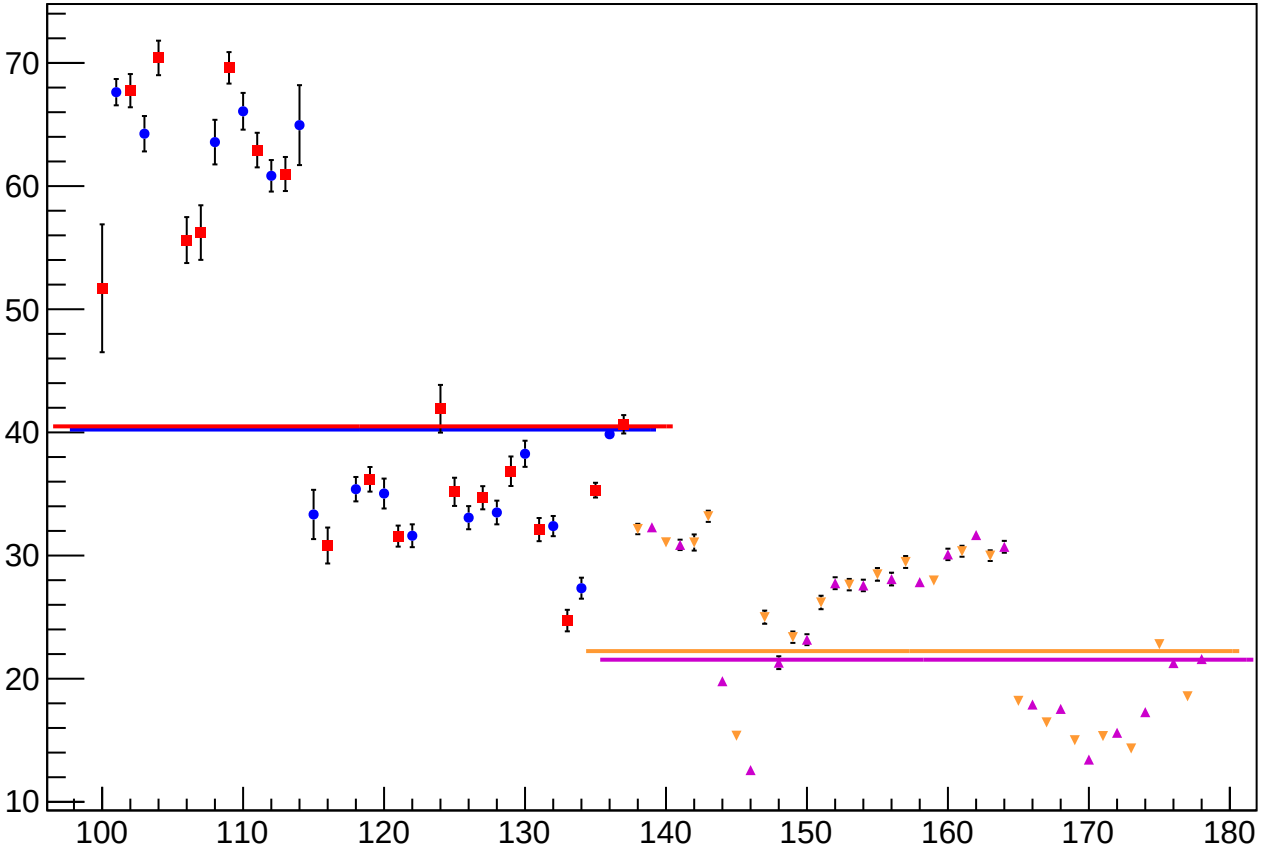
Left In: -2.682+/-0.062 χ^2/NDF:1572.5/19

+ sign -2.878+/-0.059 χ^2/NDF: 2188.6/36

All: -2.765+/-0.042 χ^2/NDF: 5327.4/75

- sign -2.652+/-0.060 χ^2/NDF: 3131.6/38

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: 22.241+/-0.082 χ^2/NDF:6130.4/20

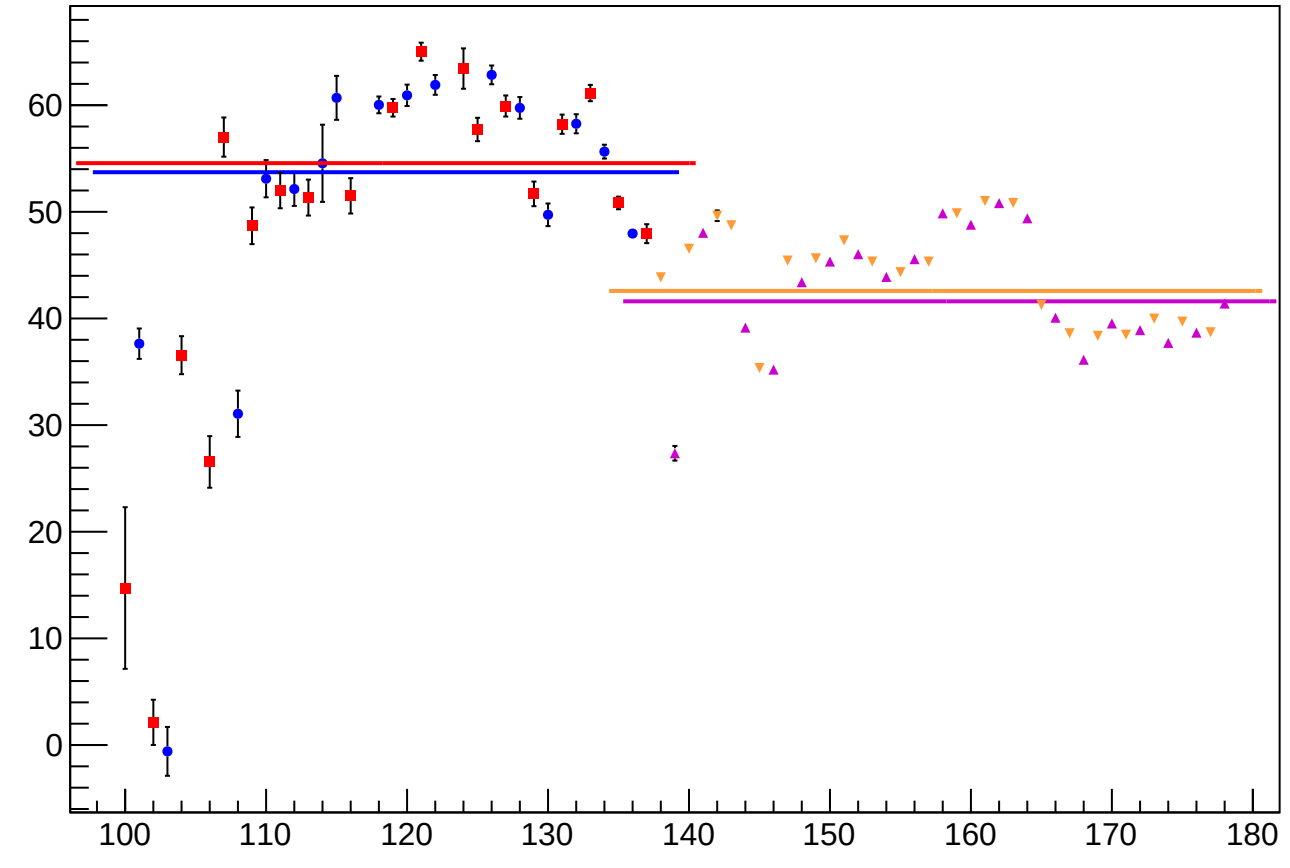
Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 21.543+/-0.081 χ^2/NDF:5775.0/19

+ sign 24.269+/-0.078 χ^2/NDF: 13783.4/36

All: 23.810+/-0.055 χ^2/NDF: 27502.6/75

- sign 23.355+/-0.077 χ^2/NDF: 13649.8/38



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 42.584+/-0.069 χ^2/NDF:4790.1/20

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

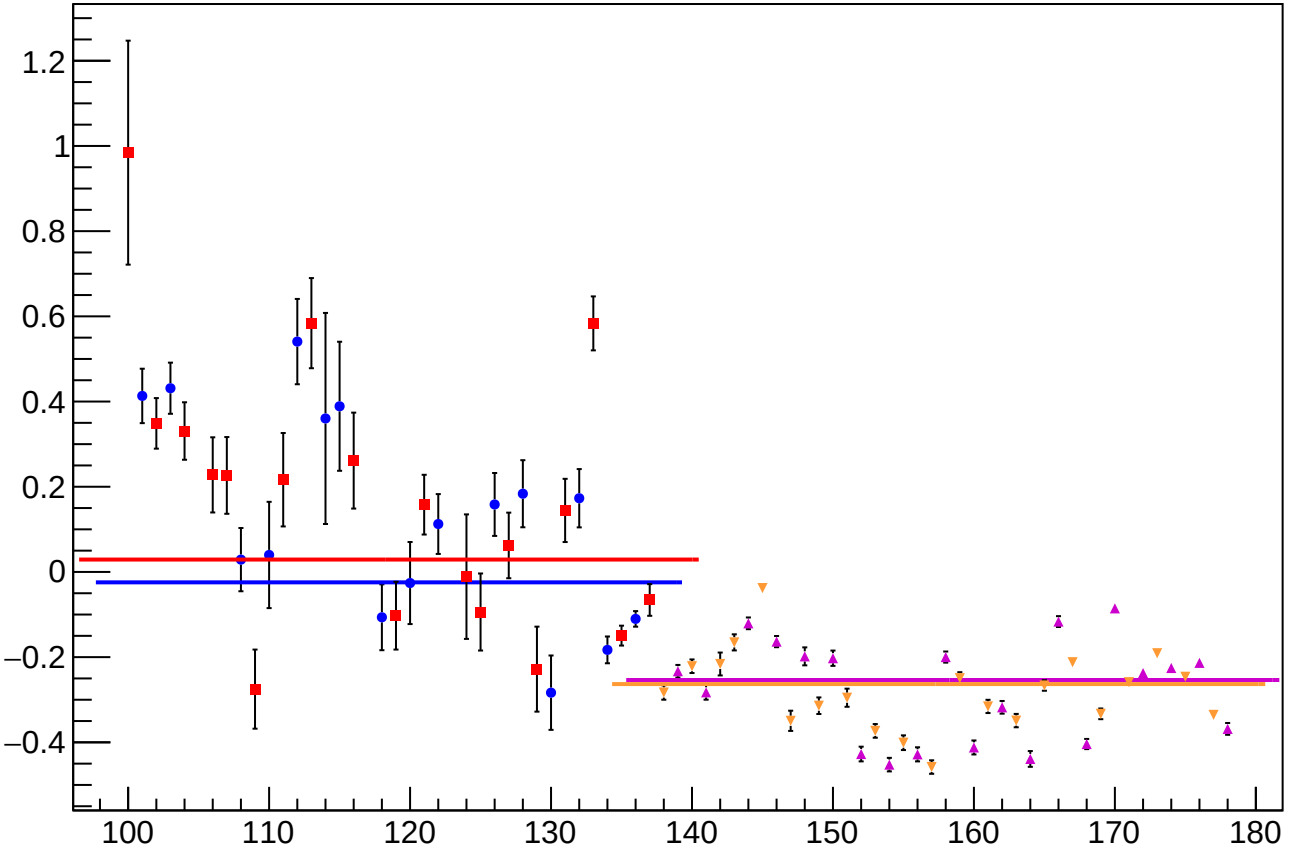
Left In: 41.608+/-0.069 χ^2/NDF:5140.0/19

+ sign 43.451+/-0.067 χ^2/NDF: 8153.0/36

All: 42.973+/-0.047 χ^2/NDF: 17122.9/75

- sign 42.492+/-0.067 χ^2/NDF: 8867.1/38

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: -0.263+/-0.003 χ^2/NDF:936.6/20

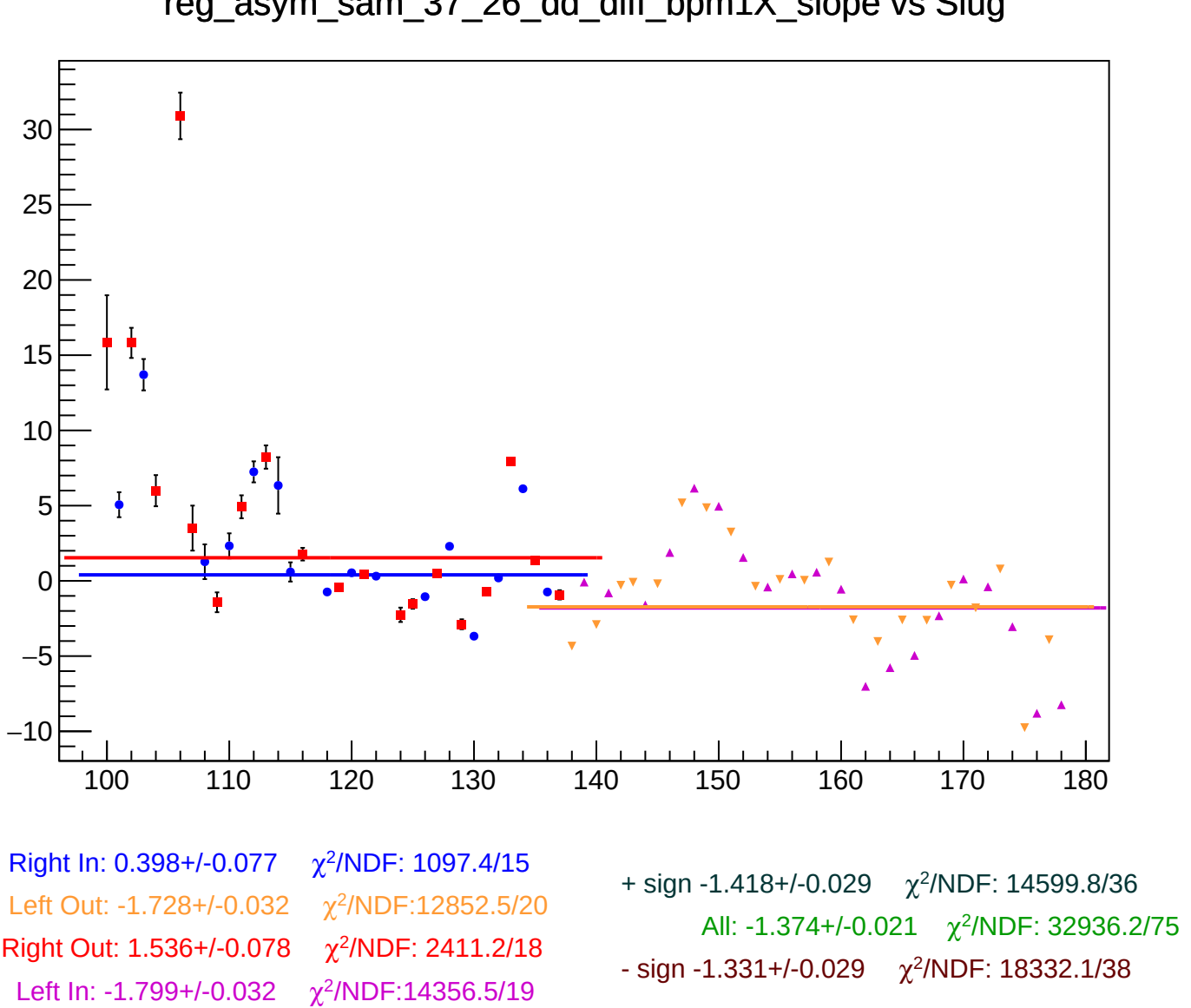
Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

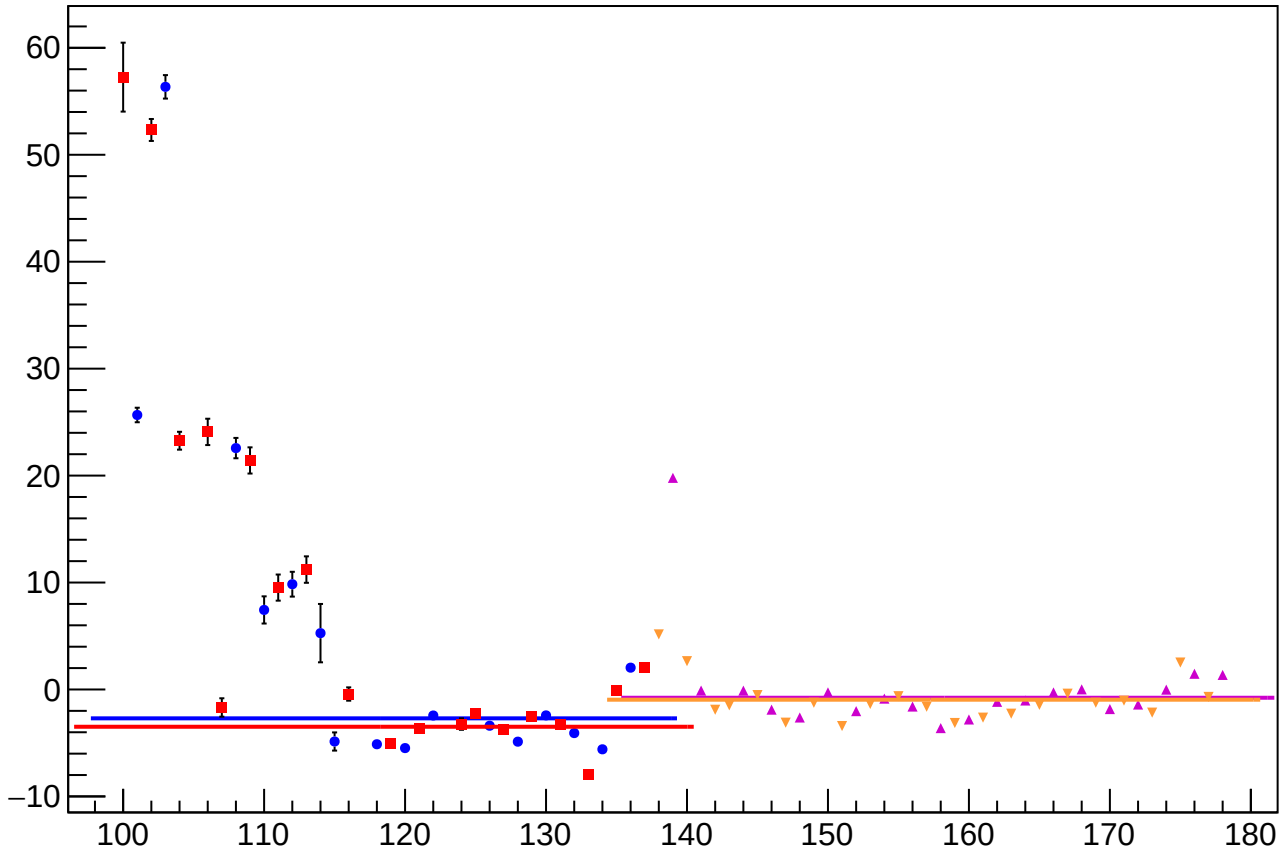
Left In: -0.254+/-0.003 χ^2/NDF:1400.3/19

+ sign -0.250+/-0.003 χ^2/NDF: 1494.9/36

All: -0.246+/-0.002 χ^2/NDF: 3552.4/75

- sign -0.241+/-0.003 χ^2/NDF: 2053.2/38


reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug
30
25
20
15
10
5
0
−5
−10
100
110
120
130
140
150
160
170
180
Right In: 0.398+/-0.077 χ²/NDF: 1097.4/15
Left Out: -1.728+/-0.032 χ²/NDF:12852.5/20
Right Out: 1.536+/-0.078 χ²/NDF: 2411.2/18
Left In: -1.799+/-0.032 χ²/NDF:14356.5/19
+ sign -1.418+/-0.029 χ²/NDF: 14599.8/36
All: -1.374+/-0.021 χ²/NDF: 32936.2/75
- sign -1.331+/-0.029 χ²/NDF: 18332.1/38



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: -0.956+/-0.024 χ^2/NDF:5928.3/20

Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

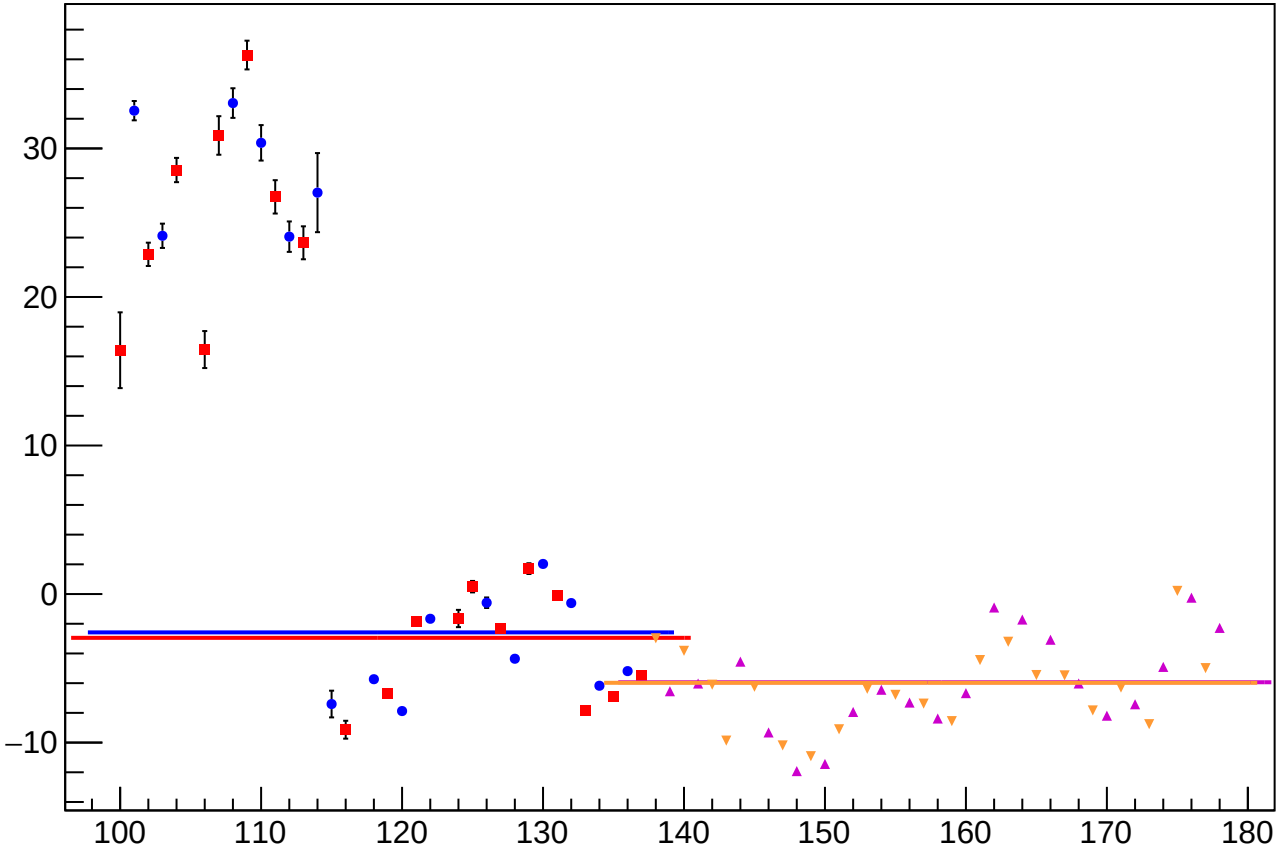
Left In: -0.773+/-0.024 χ^2/NDF:9368.0/19

+ sign -1.132+/-0.022 χ^2/NDF: 13578.0/36

All: -1.089+/-0.016 χ^2/NDF: 31430.7/75

- sign -1.047+/-0.022 χ^2/NDF: 17845.5/38

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: -5.976+/-0.032 χ^2/NDF:8606.9/20

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

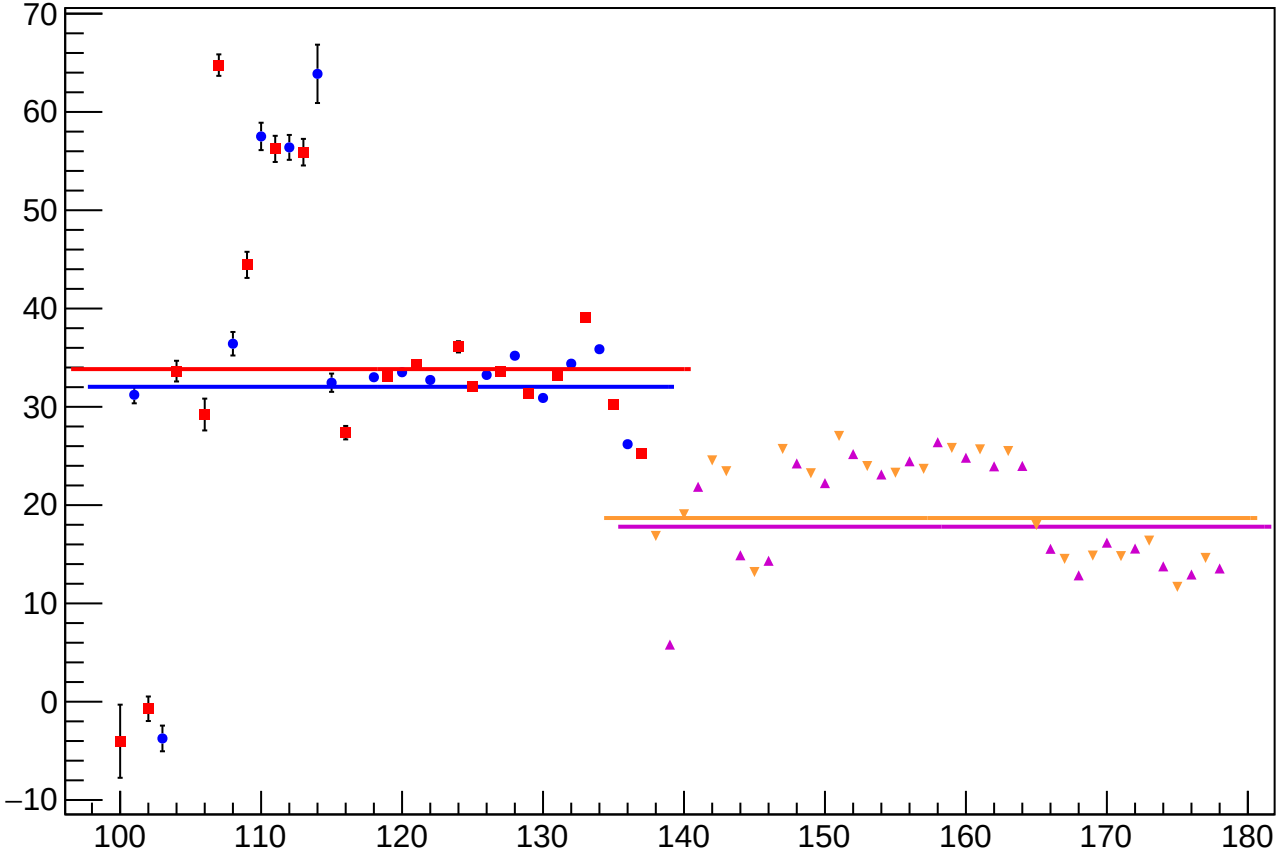
Left In: -5.939+/-0.031 χ^2/NDF:10018.5/19

+ sign -5.545+/-0.030 χ^2/NDF: 18223.5/36

All: -5.562+/-0.021 χ^2/NDF: 37529.9/75

- sign -5.580+/-0.029 χ^2/NDF: 19305.8/38

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: 18.687+/-0.027 χ^2/NDF:36043.6/20

Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

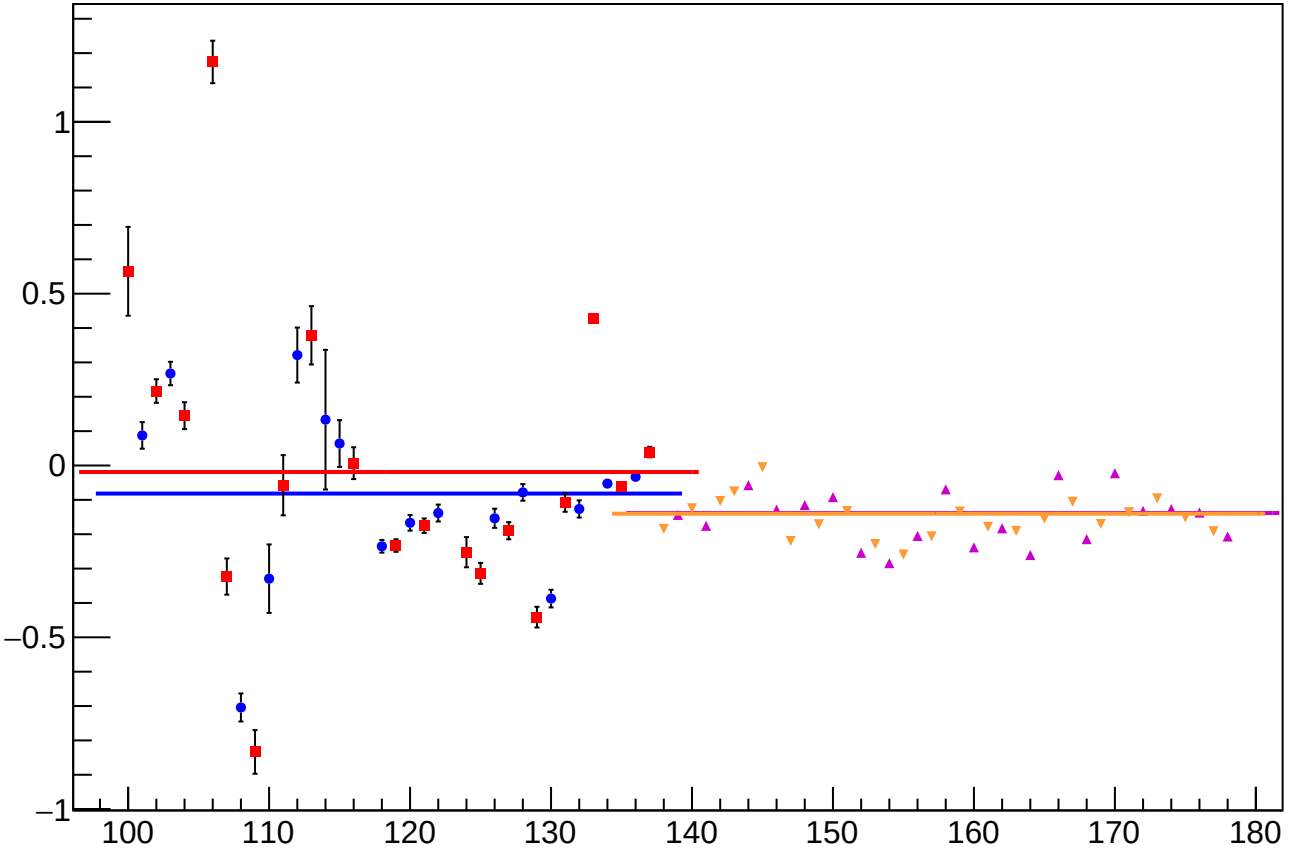
Left In: 17.804+/-0.027 χ^2/NDF:32434.2/19

+ sign 19.994+/-0.025 χ^2/NDF: 63633.3/36

All: 19.681+/-0.018 χ^2/NDF: 135439.0/75

- sign 19.366+/-0.025 χ^2/NDF: 71501.3/38

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: -0.140+/-0.001 χ^2/NDF:2492.8/20

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

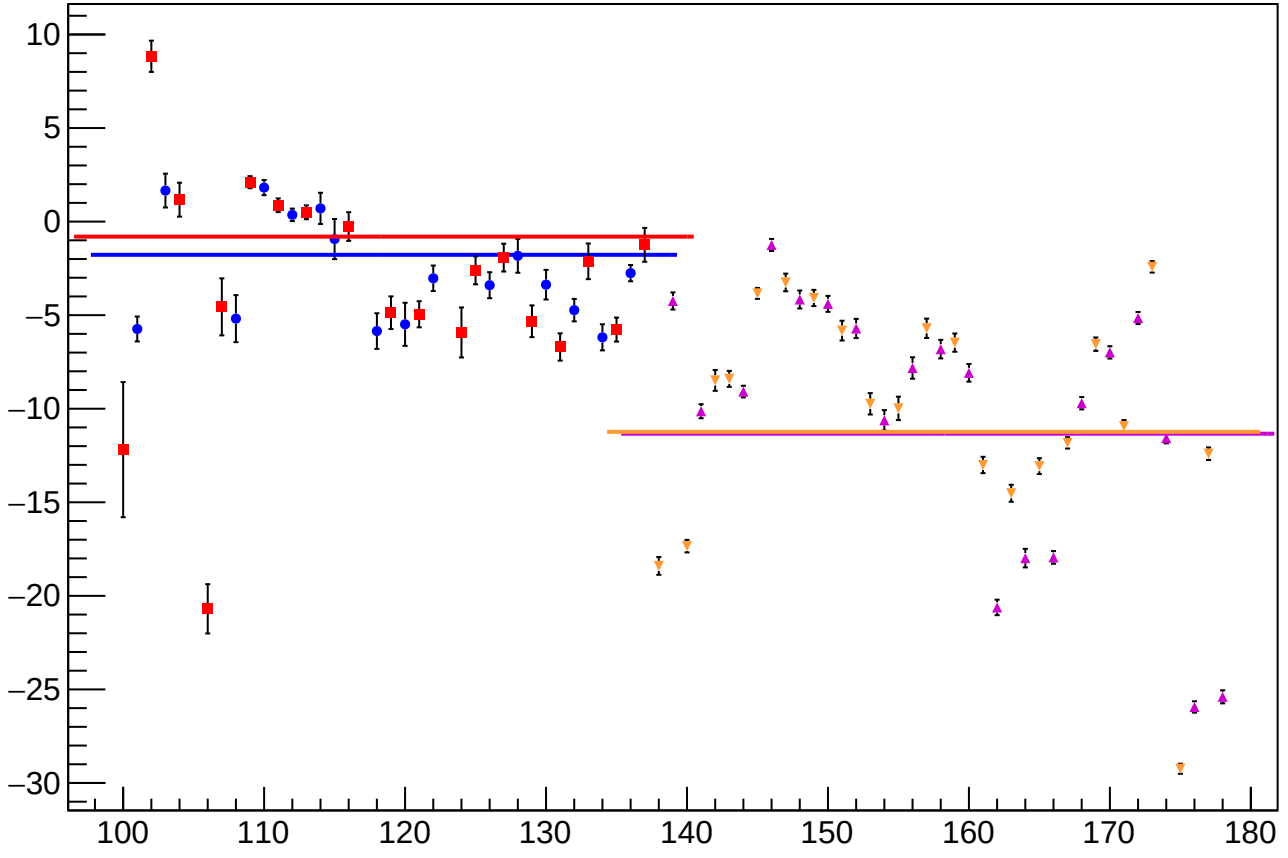
Left In: -0.138+/-0.001 χ^2/NDF:3697.9/19

+ sign -0.137+/-0.001 χ^2/NDF: 3320.8/36

All: -0.135+/-0.001 χ^2/NDF: 9800.3/75

- sign -0.132+/-0.001 χ^2/NDF: 6471.9/38

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -1.775+/-0.157 χ^2/NDF: 297.7/15

Left Out: -11.235+/-0.085 χ^2/NDF:7670.8/20

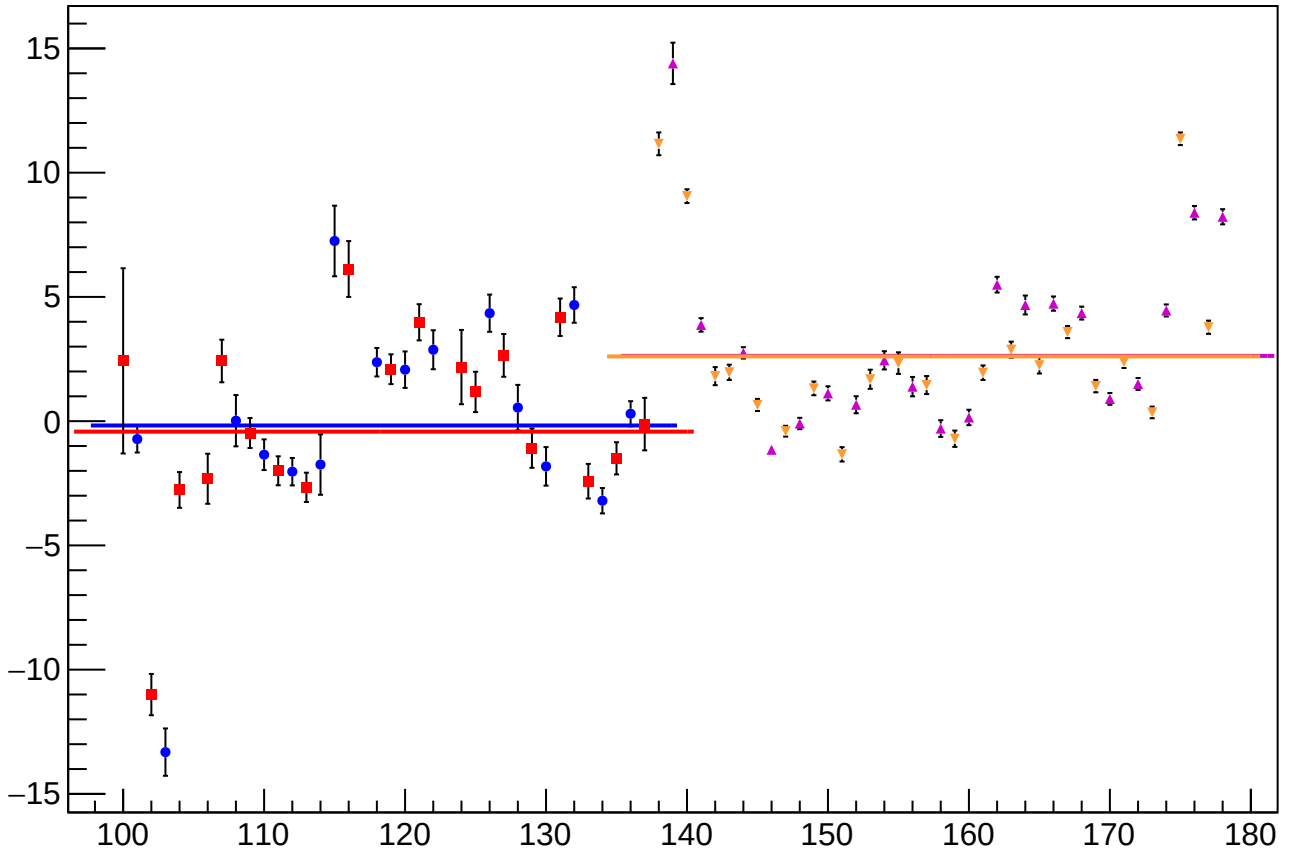
Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

Left In: -11.335+/-0.085 χ^2/NDF:7618.8/19

+ sign -9.080+/-0.075 χ^2/NDF: 10767.7/36

All: -8.908+/-0.053 χ^2/NDF: 22931.5/75

- sign -8.742+/-0.074 χ^2/NDF: 12153.5/38



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 2.605+/-0.062 χ^2/NDF:2817.9/20

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

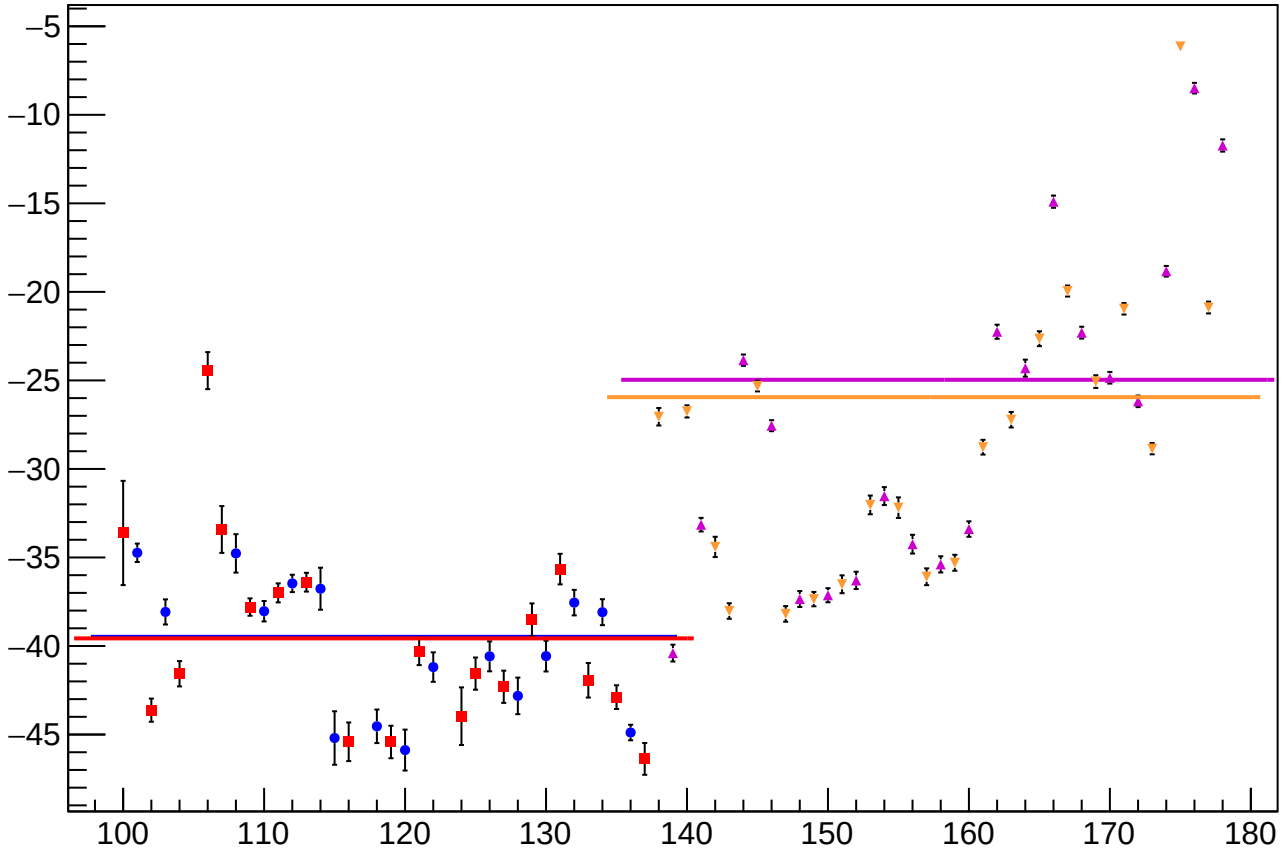
Left In: 2.627+/-0.063 χ^2/NDF:2078.9/19

+ sign 2.285+/-0.059 χ^2/NDF: 3449.3/36

All: 2.286+/-0.042 χ^2/NDF: 6157.5/75

- sign 2.287+/-0.059 χ^2/NDF: 2708.1/38

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -39.484+/-0.180 χ^2/NDF: 409.3/15

Left Out: -25.946+/-0.085 χ^2/NDF:10518.4/20

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

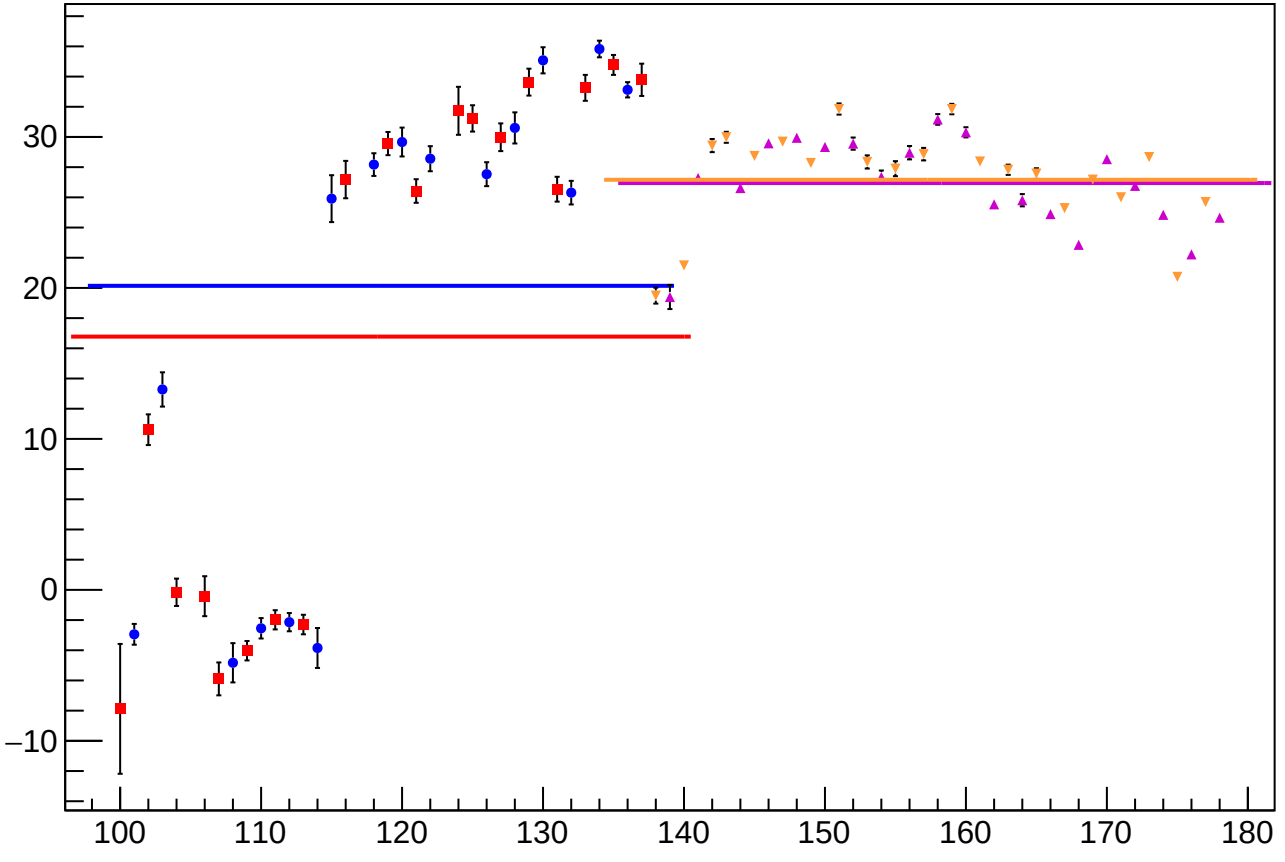
Left In: -24.964+/-0.084 χ^2/NDF:11038.7/19

+ sign -28.398+/-0.077 χ^2/NDF: 15548.2/36

All: -27.978+/-0.054 χ^2/NDF: 32554.8/75

- sign -27.562+/-0.076 χ^2/NDF: 16946.9/38

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 20.140+/-0.195 χ^2/NDF: 6684.6/15

Left Out: 27.164+/-0.071 χ^2/NDF:1803.3/20

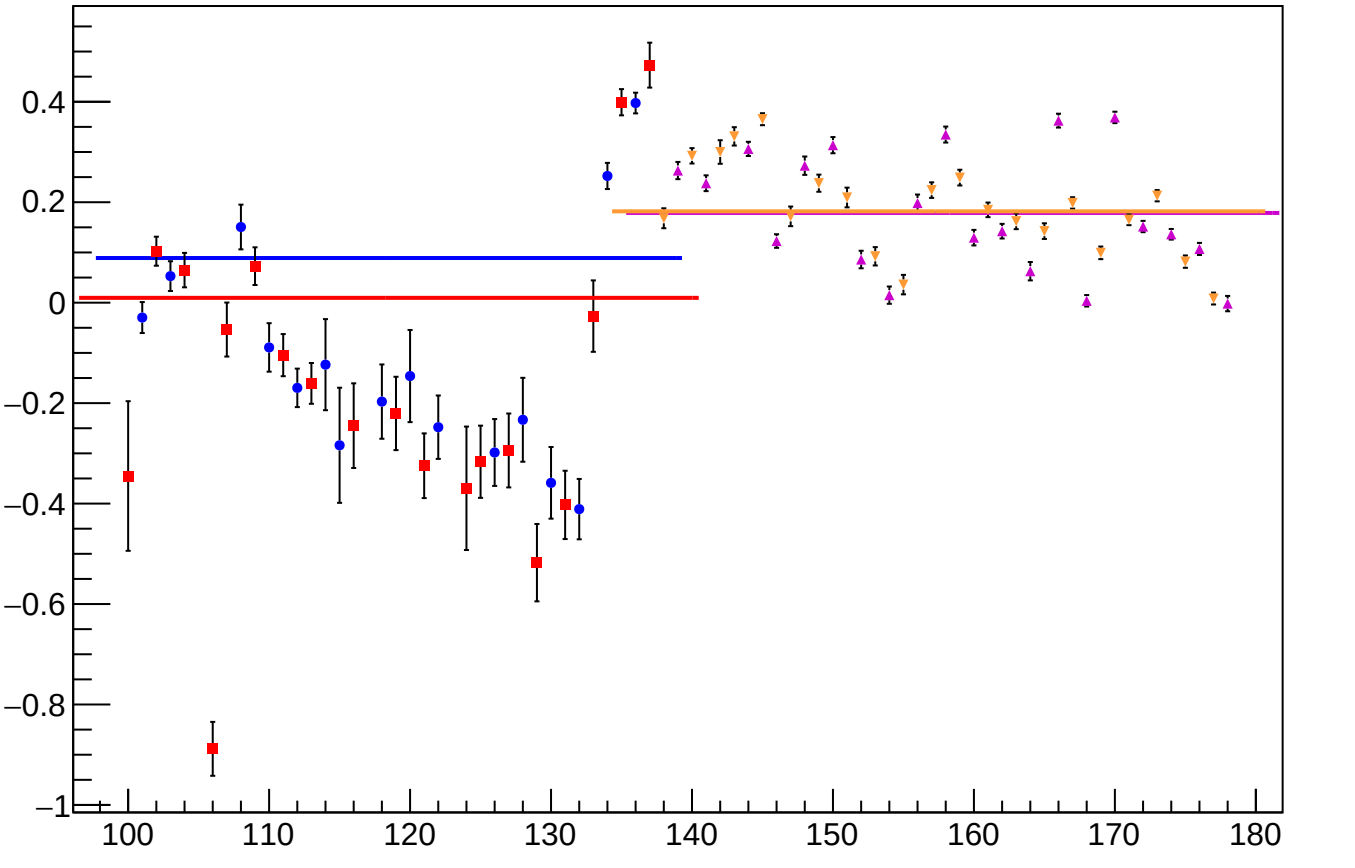
Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

Left In: 26.948+/-0.071 χ^2/NDF:1330.4/19

+ sign 26.342+/-0.067 χ^2/NDF: 9637.1/36

All: 26.074+/-0.047 χ^2/NDF: 20041.9/75

- sign 25.803+/-0.067 χ^2/NDF: 10372.2/38



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.182+/-0.003 χ^2/NDF:844.6/20

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

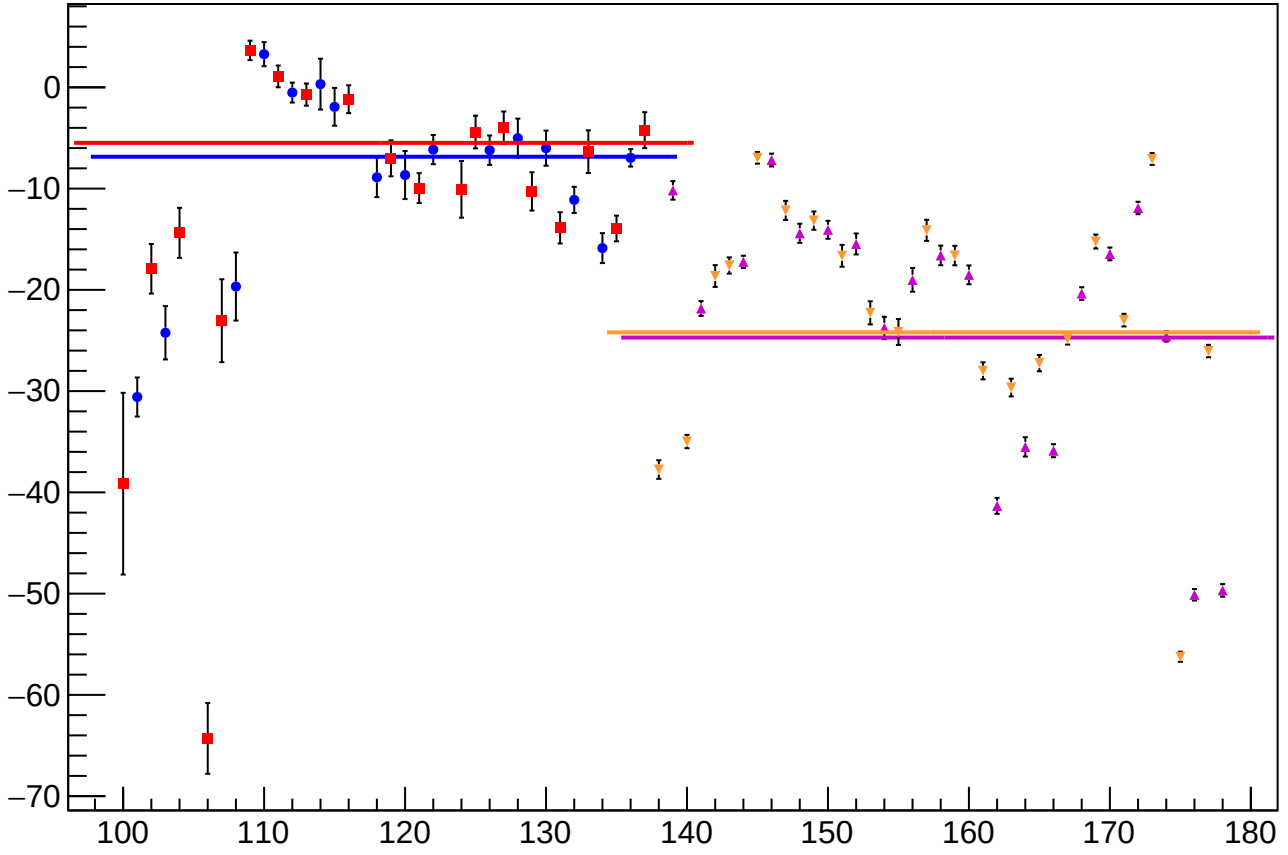
Left In: 0.179+/-0.003 χ^2/NDF:1395.4/19

+ sign 0.174+/-0.003 χ^2/NDF: 1481.4/36

All: 0.170+/-0.002 χ^2/NDF: 3932.5/75

- sign 0.166+/-0.003 χ^2/NDF: 2447.6/38

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -6.853+/-0.376 χ^2/NDF: 390.1/15

Left Out: -24.196+/-0.165 χ^2/NDF:7148.0/20

Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

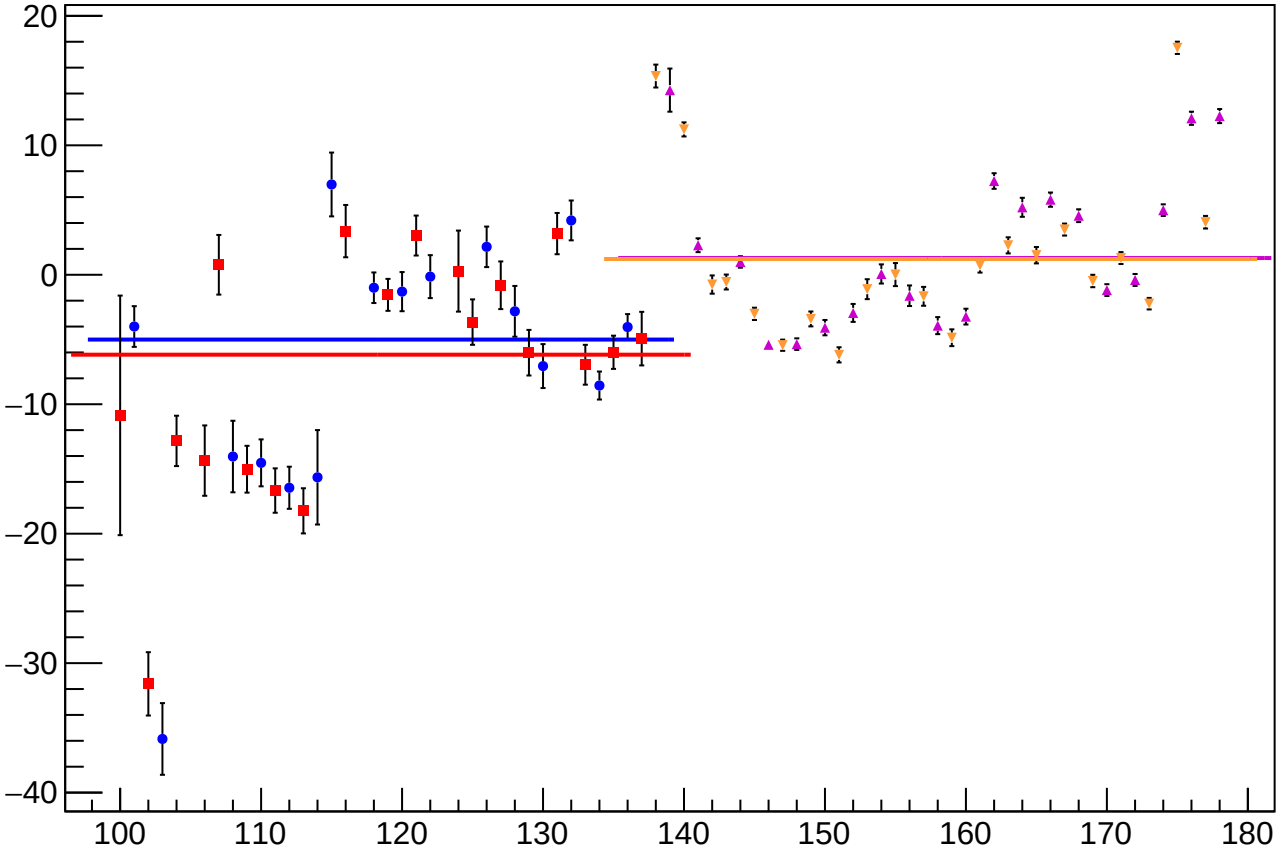
Left In: -24.710+/-0.163 χ^2/NDF:6770.6/19

\+ sign -21.399+/-0.151 χ^2/NDF: 9326.2/36

All: -21.484+/-0.106 χ^2/NDF: 18975.3/75

\- sign -21.567+/-0.149 χ^2/NDF: 9648.4/38

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: 1.219+/-0.121 χ^2/NDF:2580.1/20

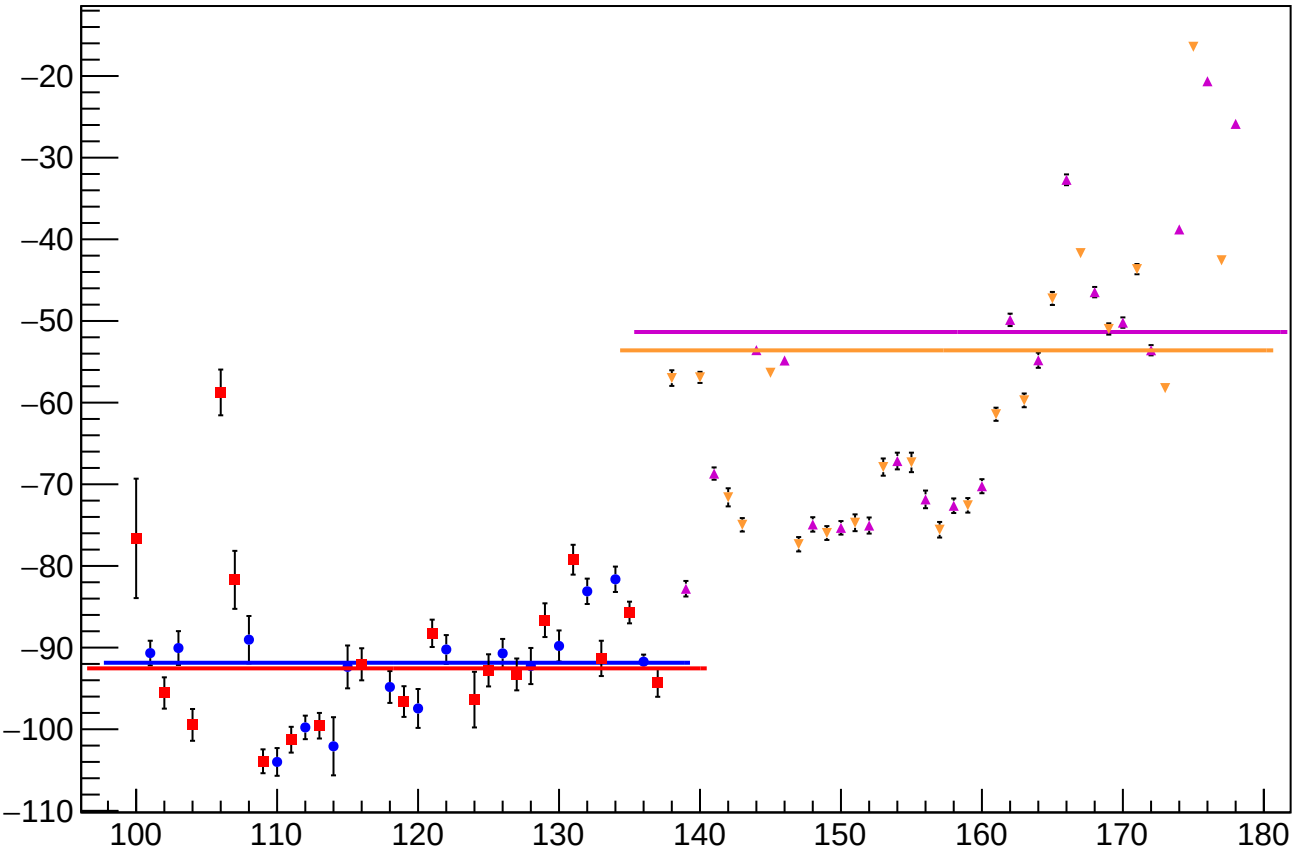
Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

Left In: 1.293+/-0.121 χ^2/NDF:2061.7/19

+ sign 0.684+/-0.116 χ^2/NDF: 3148.4/36

All: 0.697+/-0.082 χ^2/NDF: 5875.4/75

- sign 0.710+/-0.116 χ^2/NDF: 2726.9/38



Right In: -91.856+/-0.424 χ^2/NDF: 177.3/15

Left Out: -53.600+/-0.164 χ^2/NDF:10839.5/20

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

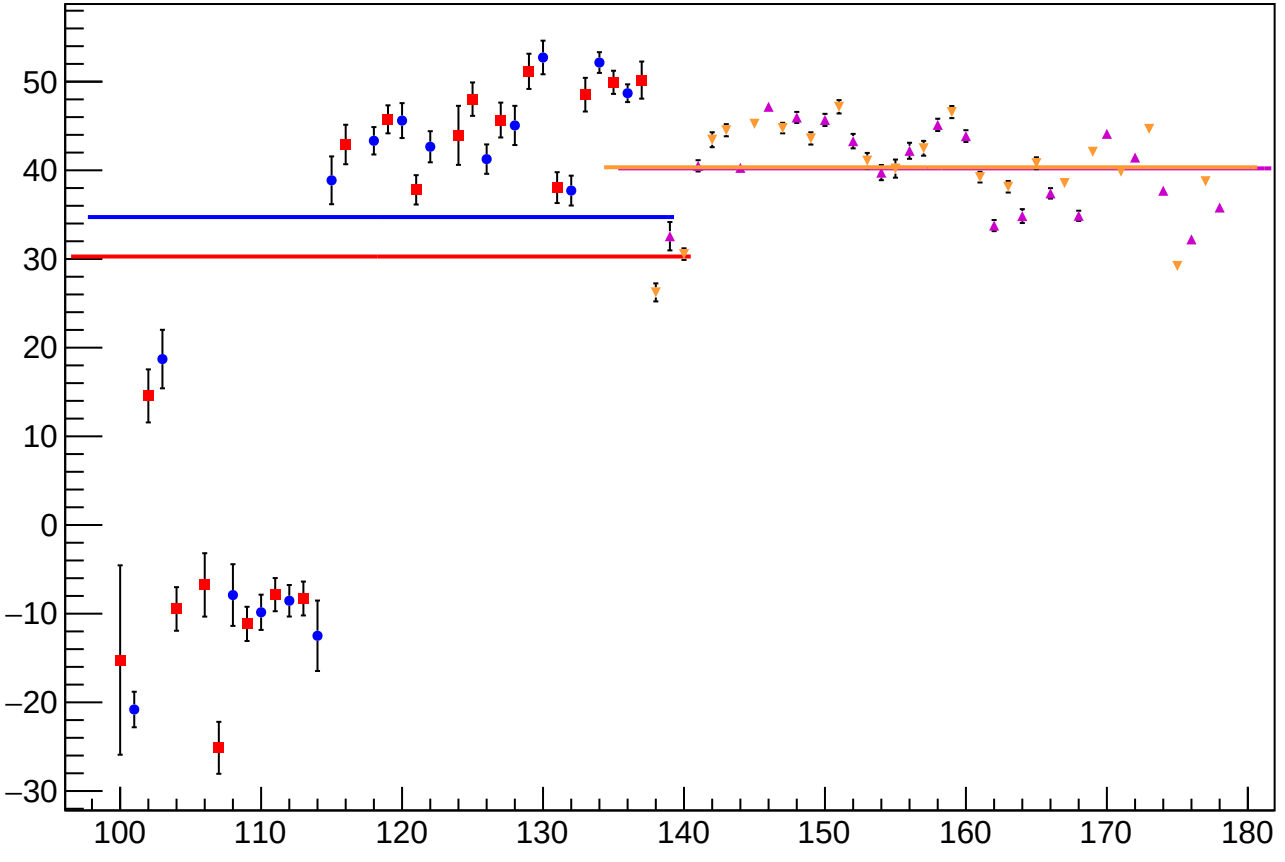
Left In: -51.351+/-0.162 χ^2/NDF:11496.4/19

+ sign -58.570+/-0.153 χ^2/NDF: 18098.7/36

All: -57.428+/-0.108 χ^2/NDF: 37833.4/75

- sign -56.295+/-0.152 χ^2/NDF: 19623.5/38

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 40.344+/-0.137 χ^2/NDF:1429.1/20

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

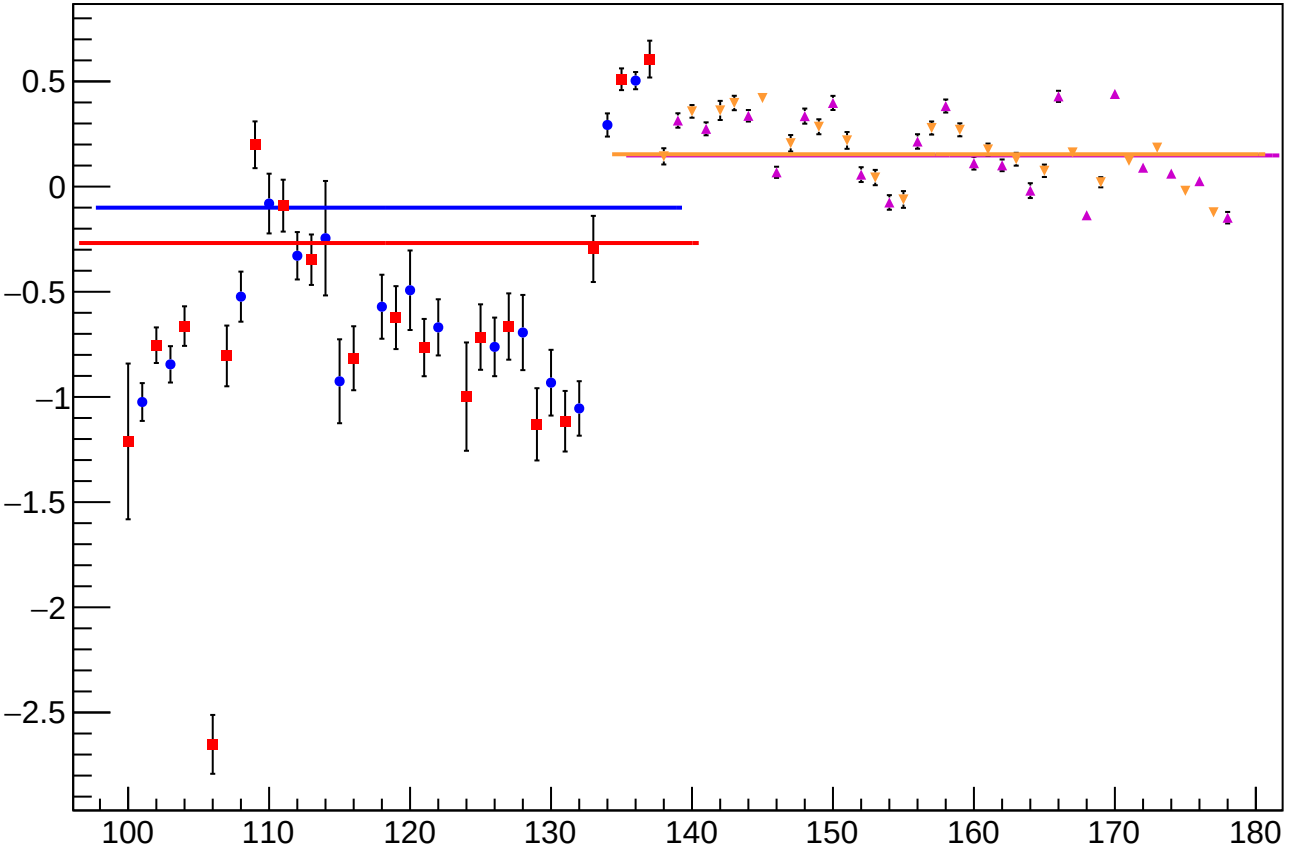
Left In: 40.219+/-0.137 χ^2/NDF:1122.6/19

\+ sign 39.851+/-0.131 χ^2/NDF: 4385.6/36

All: 39.642+/-0.093 χ^2/NDF: 8841.4/75

\- sign 39.431+/-0.132 χ^2/NDF: 4450.7/38

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.154+/-0.006 χ^2/NDF:595.8/20

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

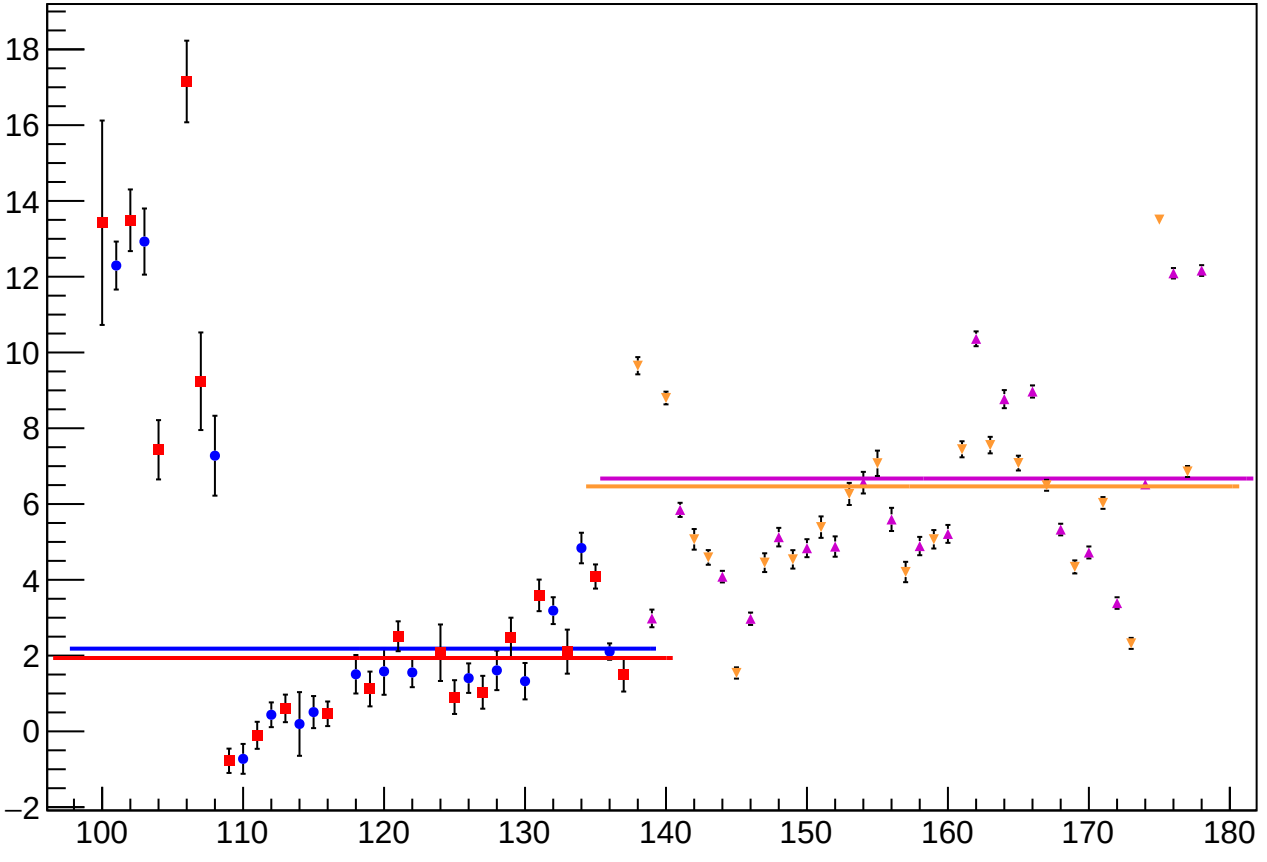
Left In: 0.148+/-0.006 χ^2/NDF:950.8/19

+ sign 0.138+/-0.006 χ^2/NDF: 1332.0/36

All: 0.132+/-0.004 χ^2/NDF: 3344.0/75

- sign 0.127+/-0.006 χ^2/NDF: 2010.2/38

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: 6.466+/-0.041 χ^2/NDF:6291.7/20

Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

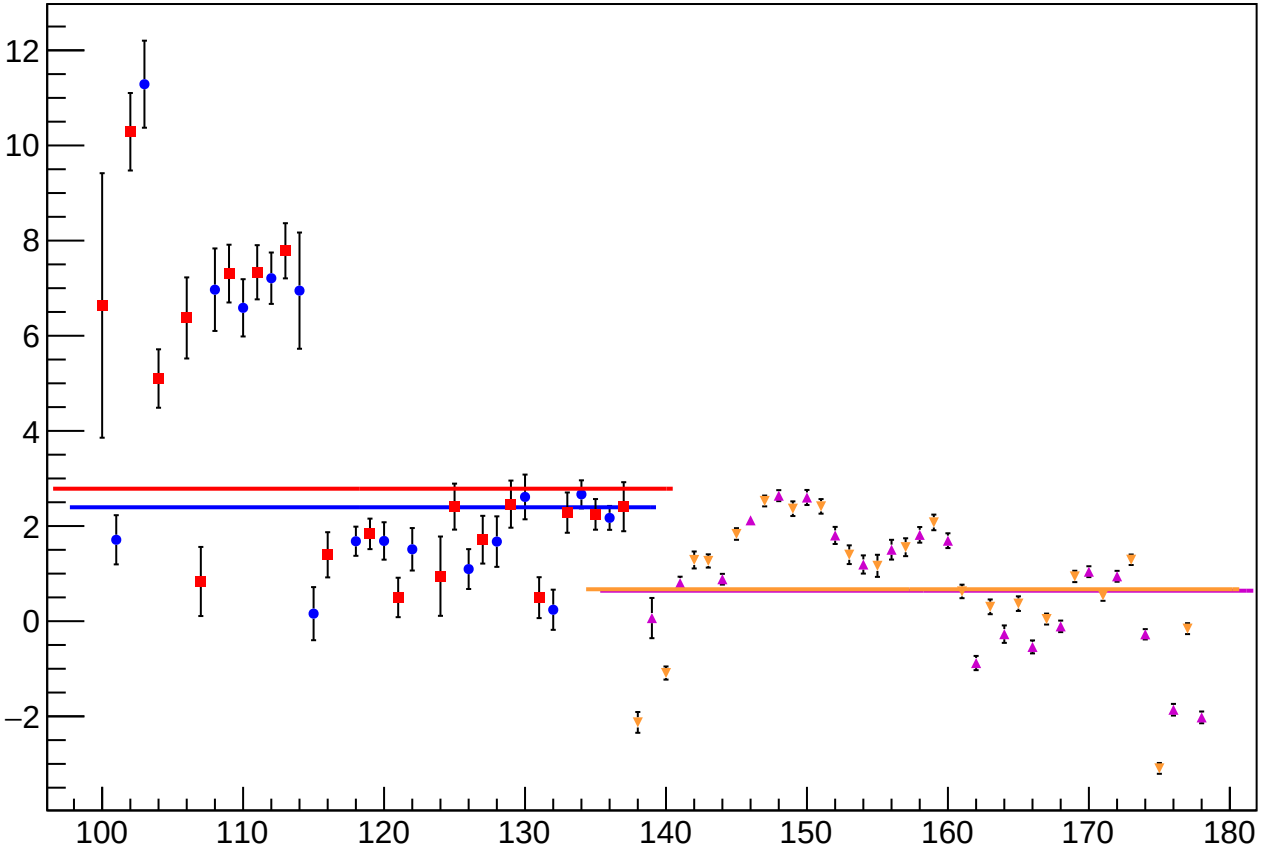
Left In: 6.673+/-0.041 χ^2/NDF:5698.3/19

+ sign 5.898+/-0.038 χ^2/NDF: 8334.0/36

All: 5.982+/-0.027 χ^2/NDF: 16516.4/75

- sign 6.064+/-0.038 χ^2/NDF: 8172.8/38

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 2.394+/-0.108 χ^2/NDF: 333.9/15

Left Out: 0.671+/-0.030 χ^2/NDF:2298.8/20

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

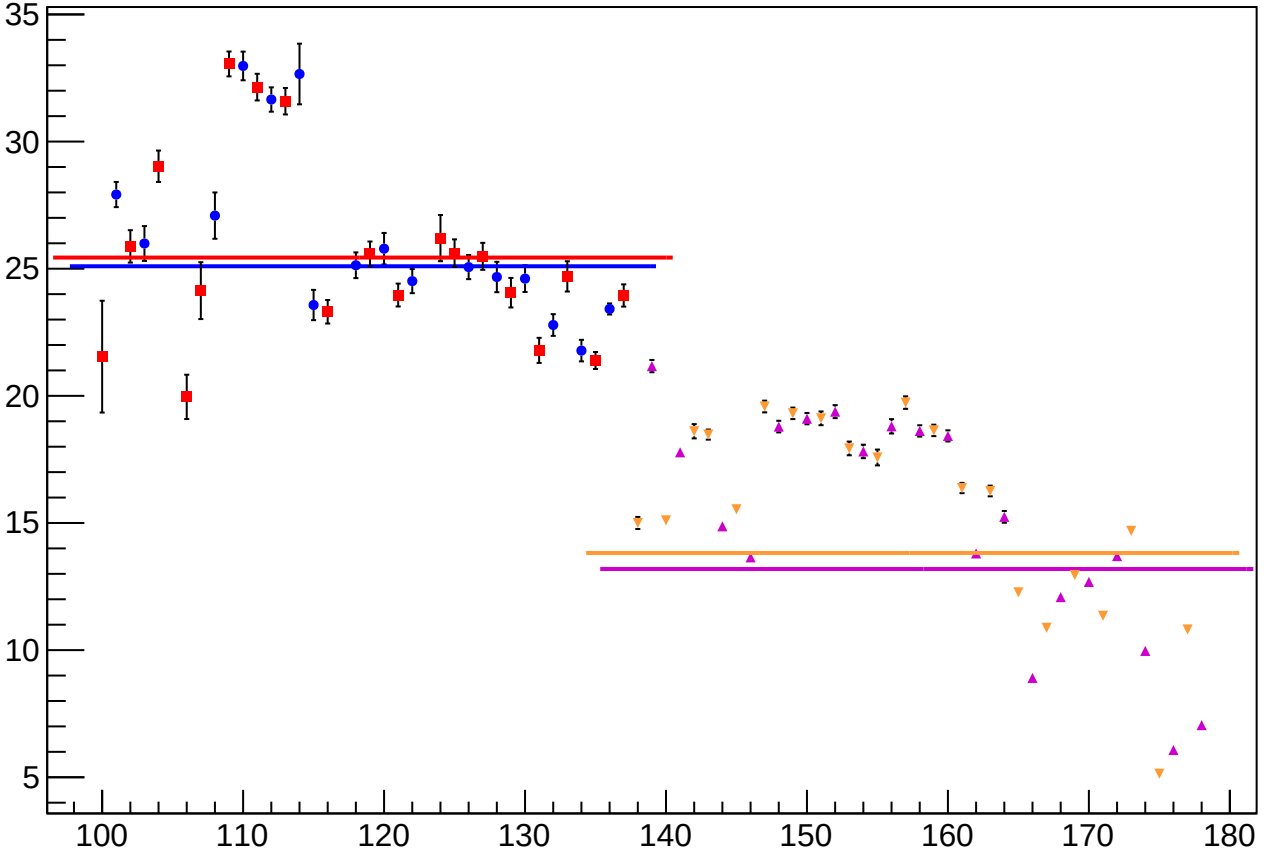
Left In: 0.641+/-0.030 χ^2/NDF:2078.5/19

+ sign 0.797+/-0.029 χ^2/NDF: 2867.3/36

All: 0.787+/-0.021 χ^2/NDF: 5677.5/75

- sign 0.778+/-0.029 χ^2/NDF: 2809.9/38

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: 13.822+/-0.041 χ^2/NDF:10698.1/20

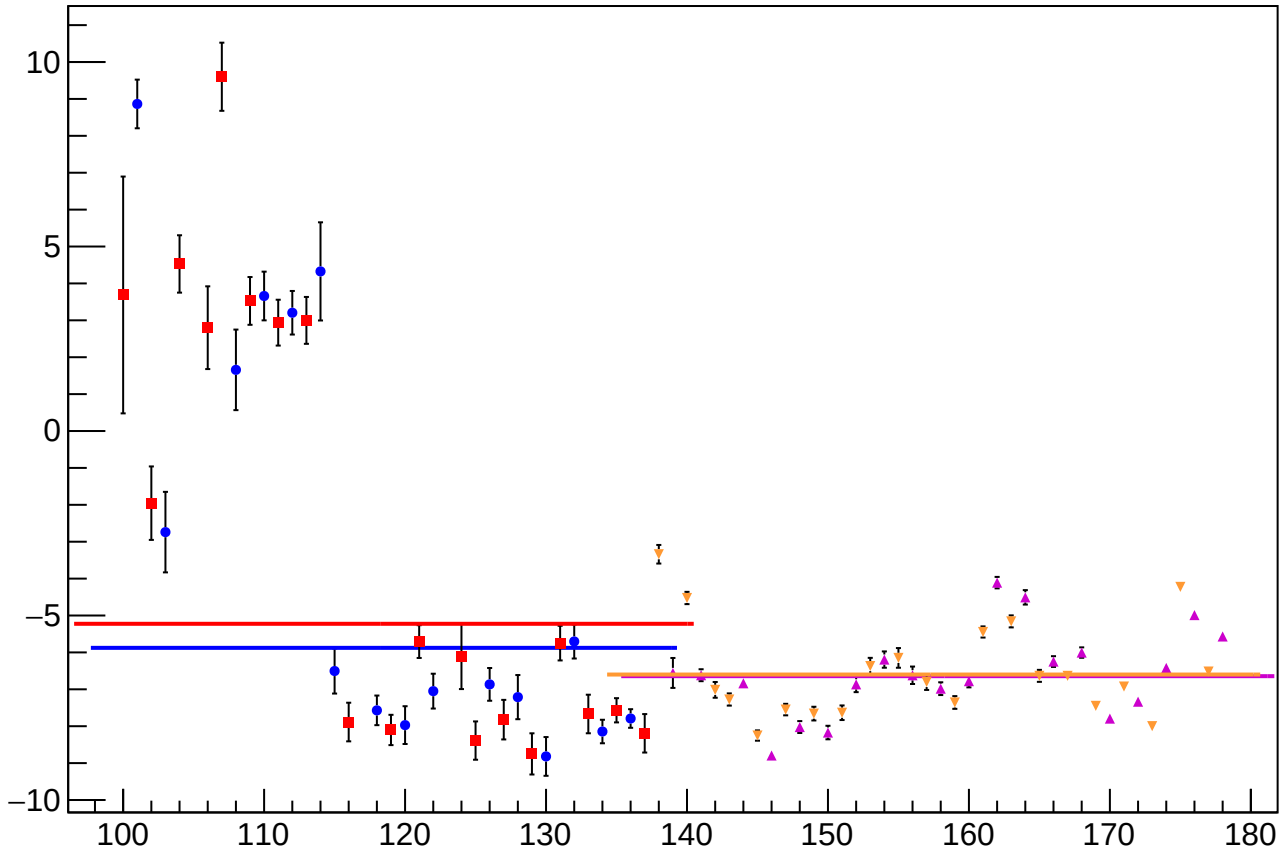
Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

Left In: 13.191+/-0.040 χ^2/NDF:11599.3/19

+ sign 15.038+/-0.039 χ^2/NDF: 19529.8/36

All: 14.698+/-0.027 χ^2/NDF: 40978.6/75

- sign 14.363+/-0.038 χ^2/NDF: 21295.1/38



Right In: -5.876+/-0.121 χ^2/NDF: 1251.4/15

Left Out: -6.600+/-0.034 χ^2/NDF:1324.3/20

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

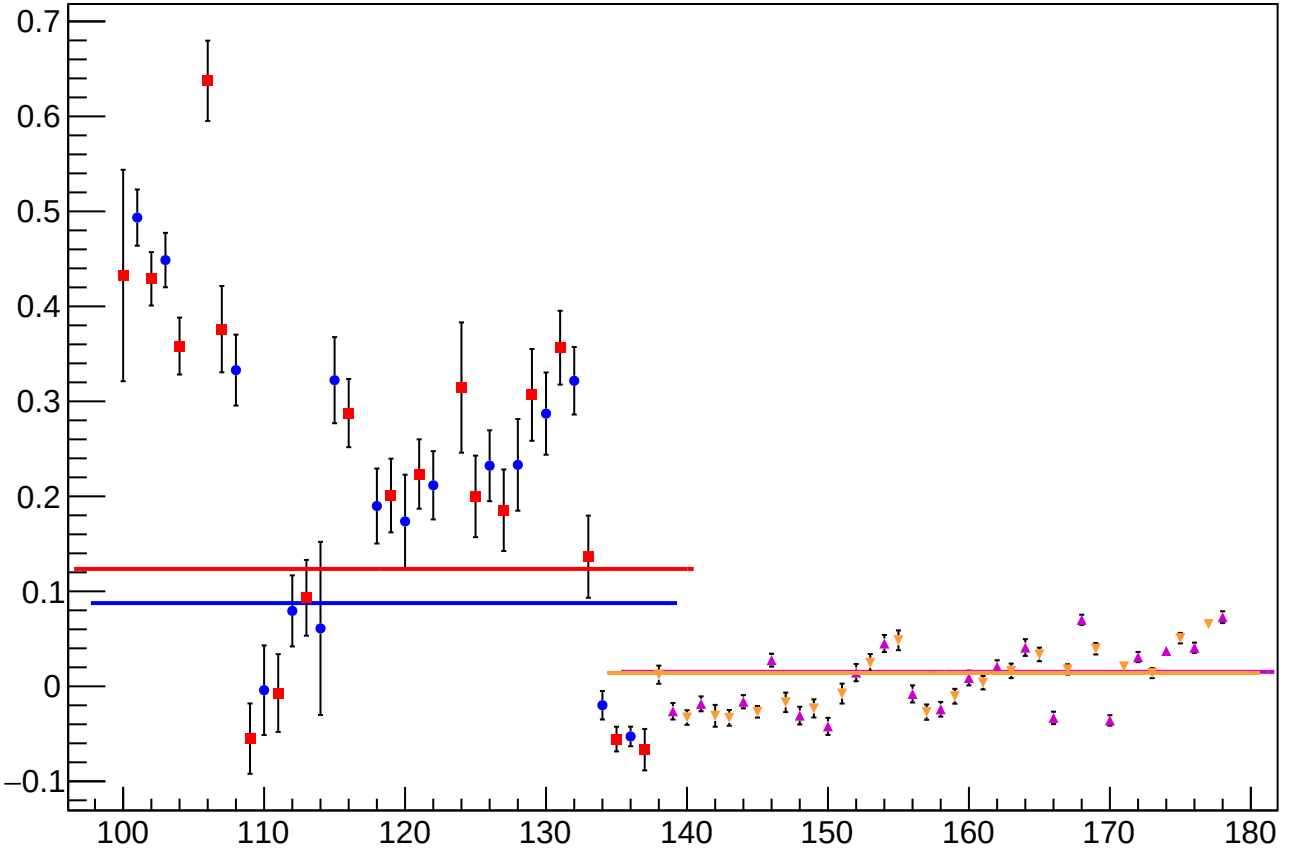
Left In: -6.644+/-0.034 χ^2/NDF:1236.5/19

+ sign -6.546+/-0.033 χ^2/NDF: 2609.0/36

All: -6.549+/-0.023 χ^2/NDF: 5249.9/75

- sign -6.552+/-0.033 χ^2/NDF: 2640.9/38

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: 0.014+/-0.002 χ^2/NDF:382.8/20

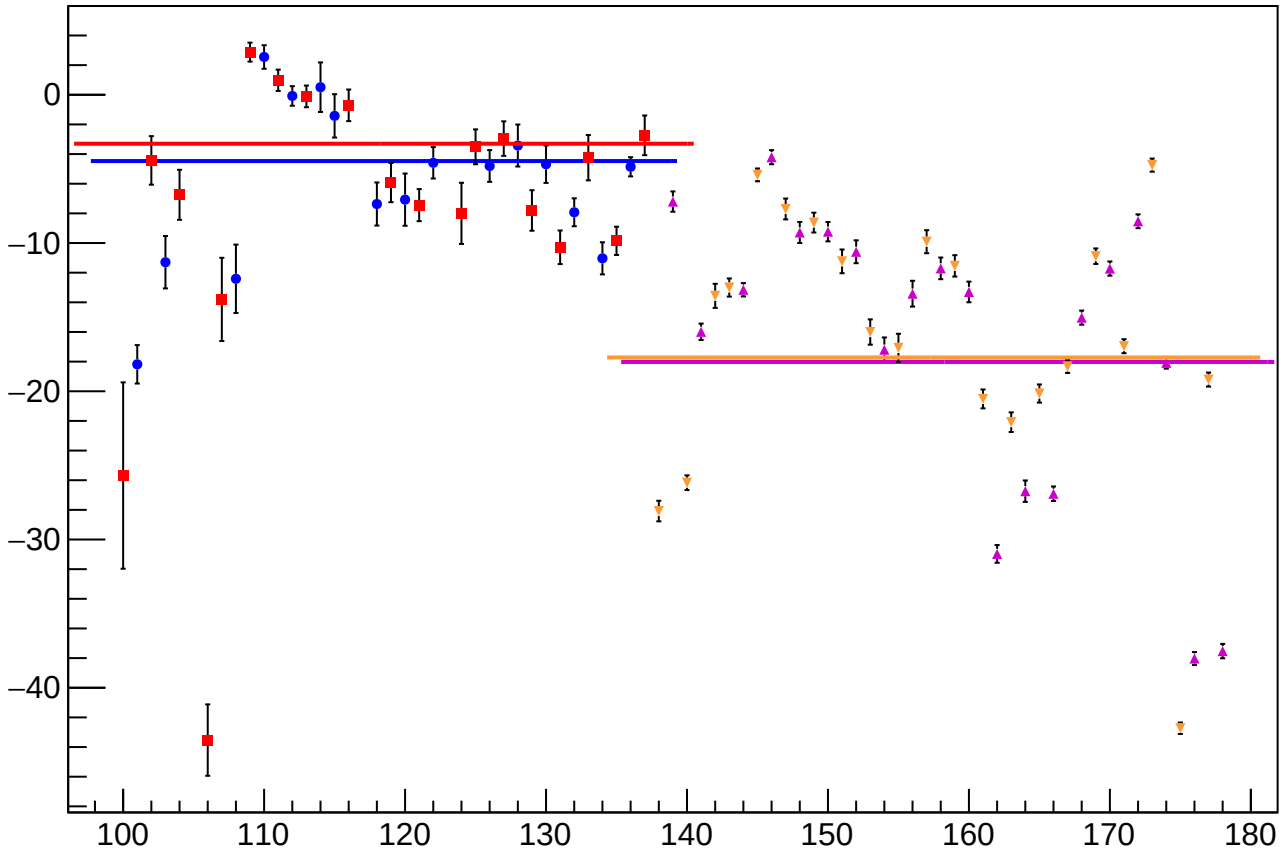
Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

Left In: 0.015+/-0.002 χ^2/NDF:567.9/19

+ sign 0.018+/-0.002 χ^2/NDF: 1268.7/36

All: 0.019+/-0.001 χ^2/NDF: 2809.0/75

- sign 0.020+/-0.001 χ^2/NDF: 1539.6/38



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -17.718+/-0.125 χ^2/NDF:7358.0/20

Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

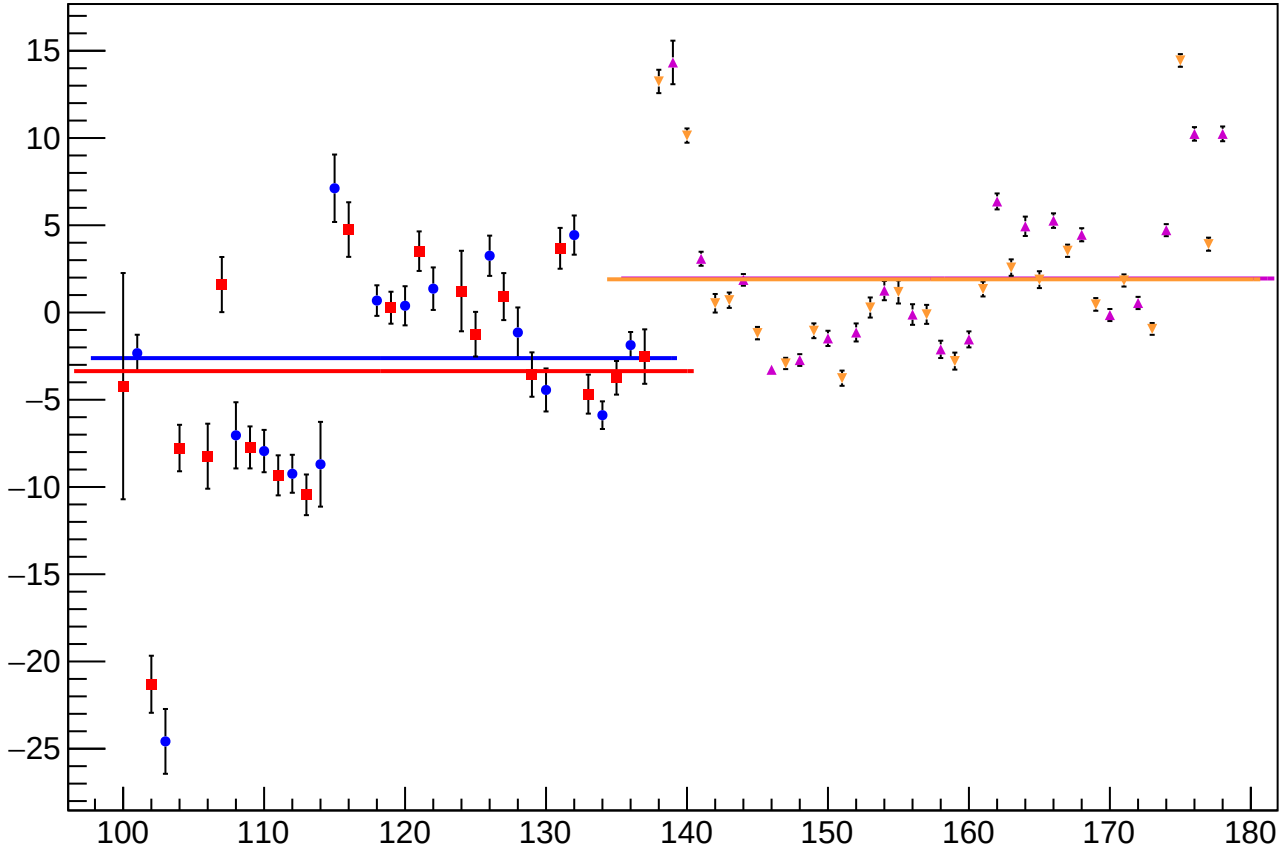
Left In: -18.023+/-0.124 χ^2/NDF:7081.8/19

+ sign -15.370+/-0.113 χ^2/NDF: 9693.7/36

All: -15.348+/-0.079 χ^2/NDF: 19962.4/75

- sign -15.327+/-0.112 χ^2/NDF: 10268.6/38

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 1.903+/-0.091 χ^2/NDF:2664.7/20

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

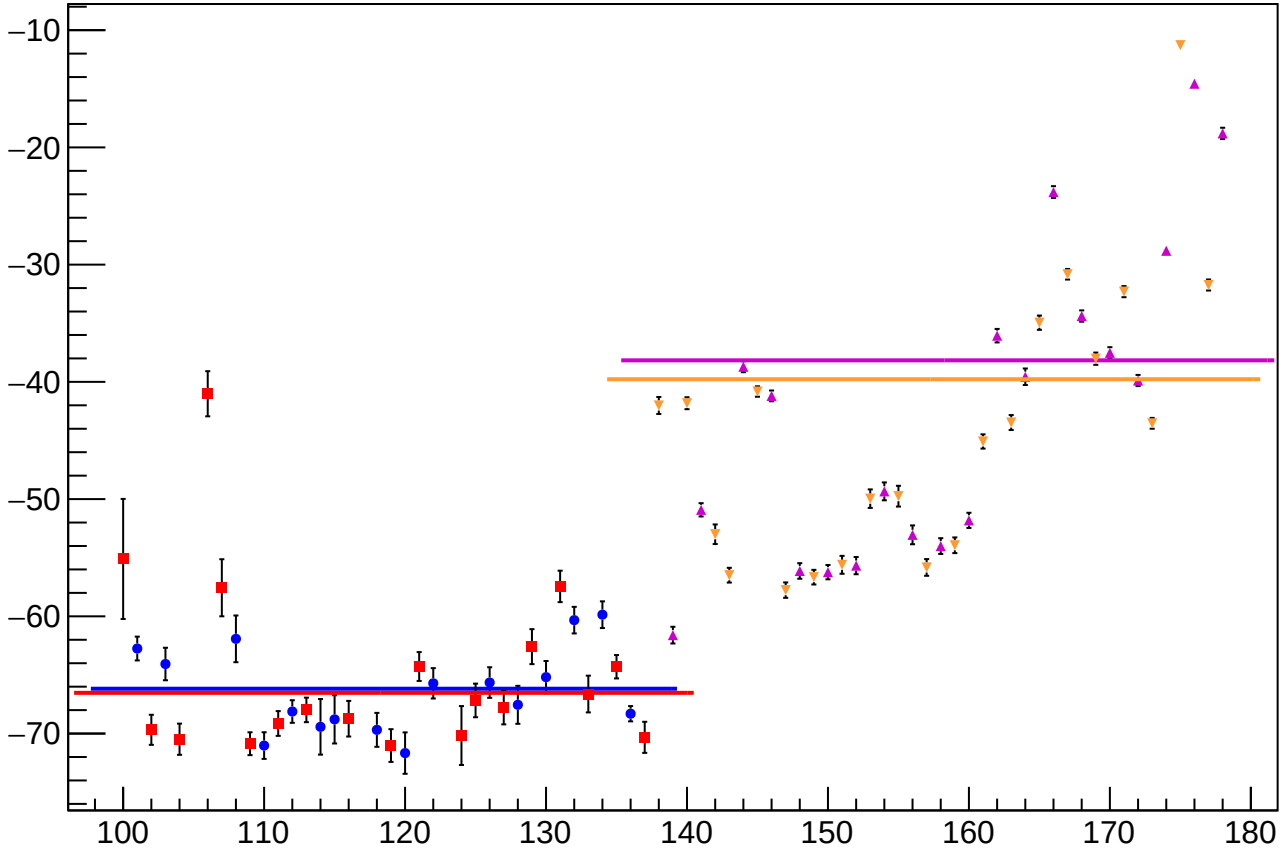
Left In: 1.950+/-0.092 χ^2/NDF:2061.3/19

+ sign 1.483+/-0.087 χ^2/NDF: 3243.4/36

All: 1.487+/-0.062 χ^2/NDF: 5952.9/75

- sign 1.493+/-0.088 χ^2/NDF: 2709.5/38

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -66.176+/-0.304 χ^2/NDF: 129.2/15

Left Out: -39.778+/-0.124 χ^2/NDF:10777.1/20

Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

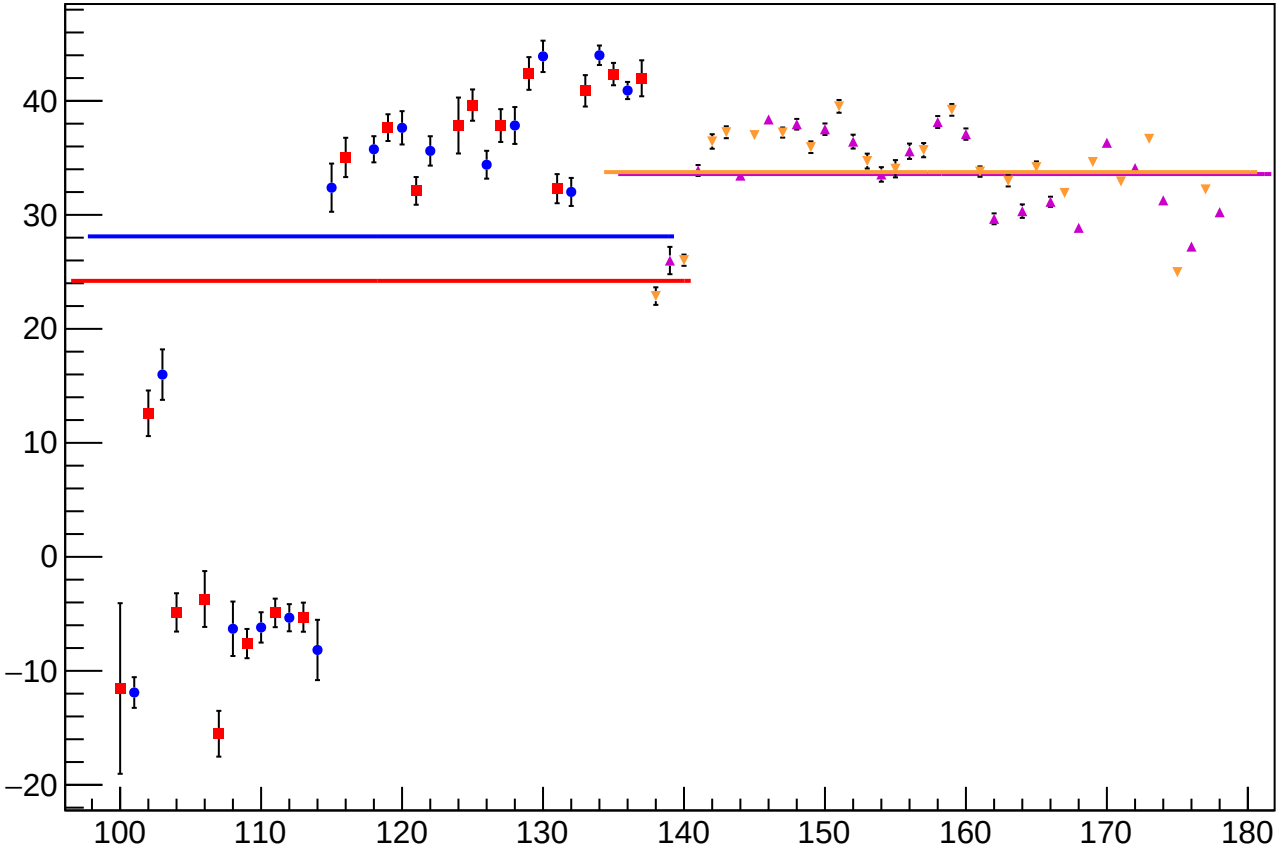
Left In: -38.163+/-0.123 χ^2/NDF:11376.7/19

+ sign -43.531+/-0.115 χ^2/NDF: 17361.0/36

All: -42.740+/-0.081 χ^2/NDF: 36291.2/75

- sign -41.956+/-0.114 χ^2/NDF: 18835.6/38

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 33.752+/-0.104 χ^2/NDF:1526.5/20

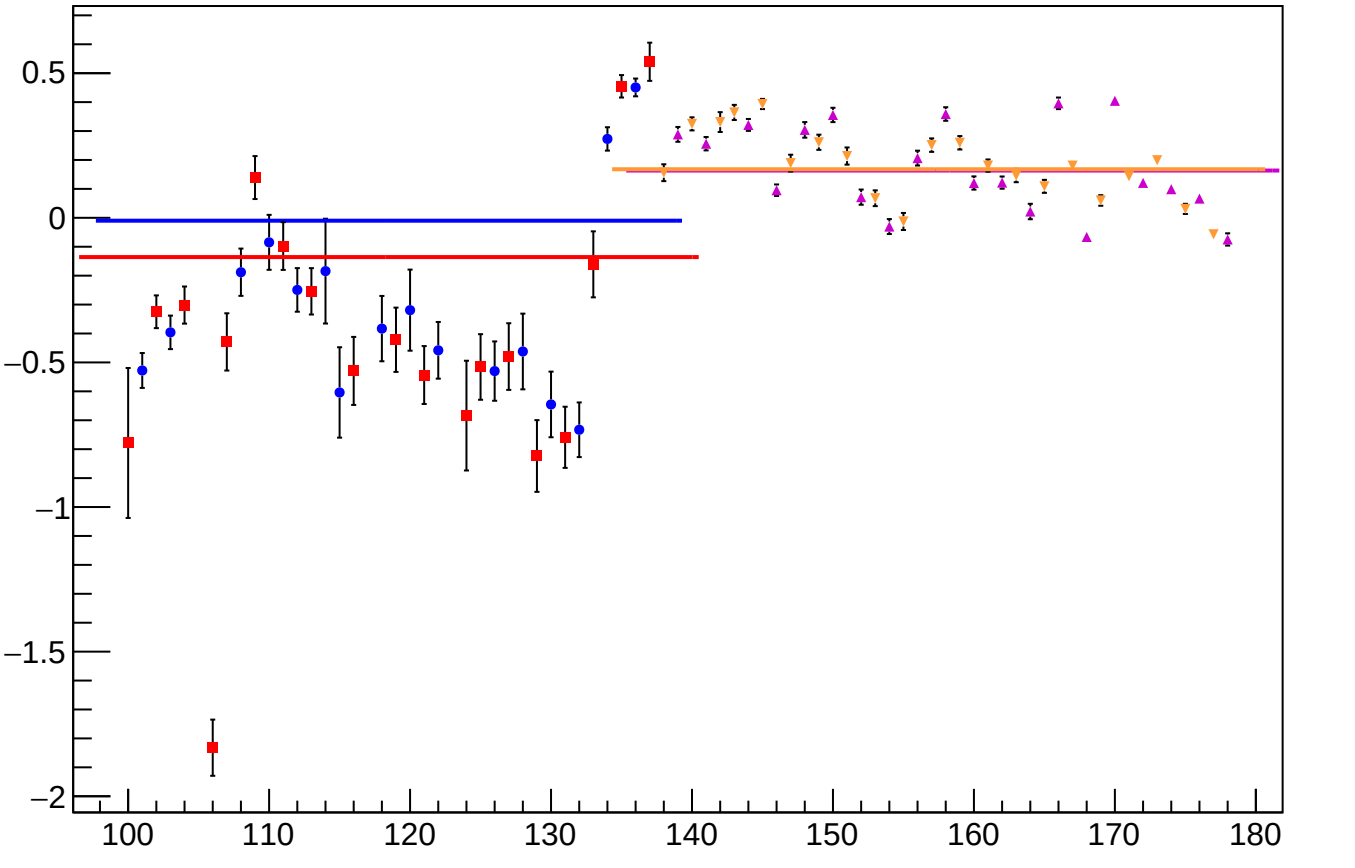
Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 33.581+/-0.104 χ^2/NDF:1157.3/19

\+ sign 33.216+/-0.099 χ^2/NDF: 5535.3/36

All: 32.991+/-0.070 χ^2/NDF: 11256.1/75

\- sign 32.763+/-0.099 χ^2/NDF: 5710.3/38



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.168+/-0.005 χ^2/NDF:677.3/20

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

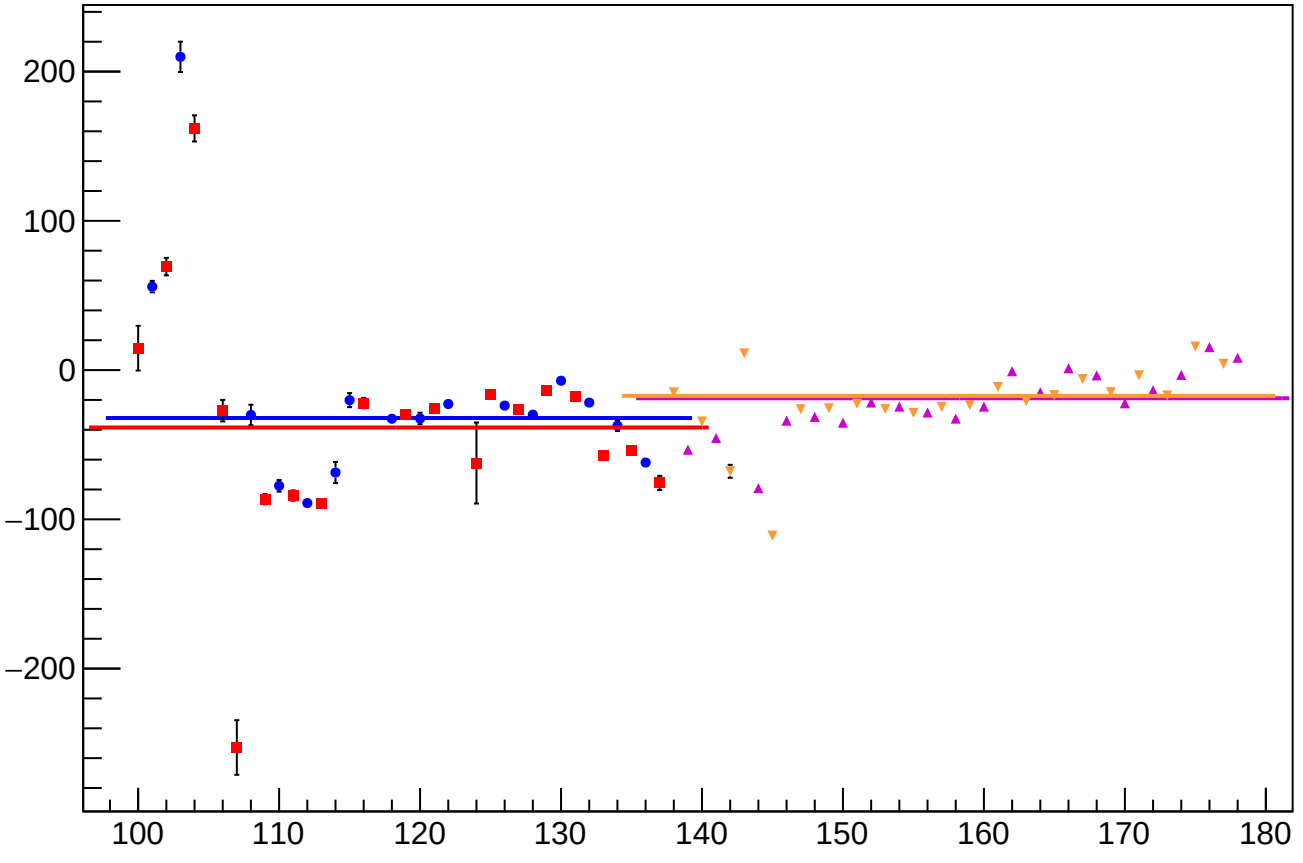
Left In: 0.163+/-0.005 χ^2/NDF:1096.0/19

+ sign 0.156+/-0.005 χ^2/NDF: 1362.9/36

All: 0.151+/-0.003 χ^2/NDF: 3517.7/75

- sign 0.146+/-0.004 χ^2/NDF: 2152.6/38

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -17.278+/-0.596 χ^2/NDF:1606.7/20

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

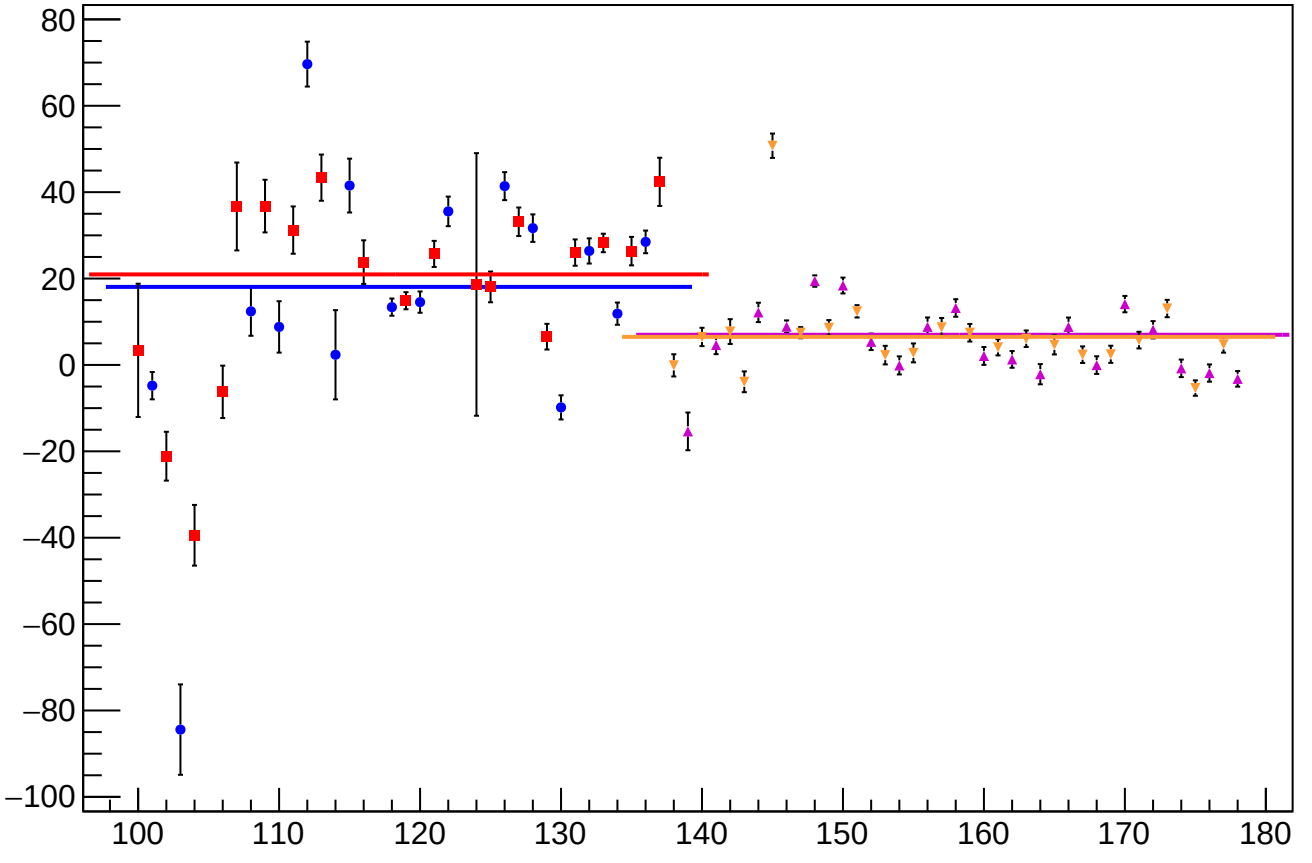
Left In: -18.872+/-0.592 χ^2/NDF:1429.0/19

\+ sign -22.225+/-0.487 χ^2/NDF: 3690.9/36

All: -23.671+/-0.345 χ^2/NDF: 7459.7/75

\- sign -25.127+/-0.488 χ^2/NDF: 3751.1/38

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 18.068+/-0.823 χ^2/NDF: 499.6/15

Left Out: 6.496+/-0.428 χ^2/NDF:366.1/20

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

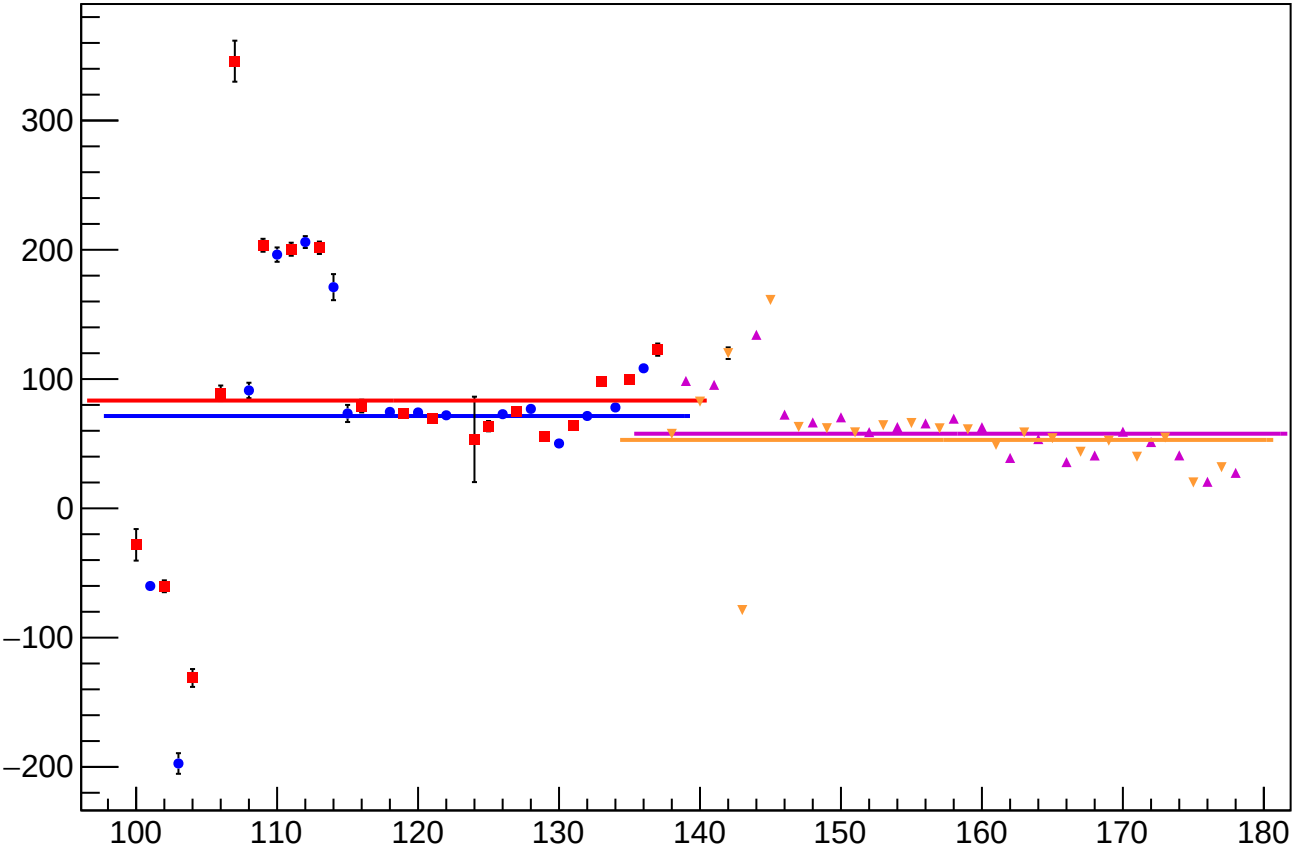
Left In: 6.982+/-0.437 χ^2/NDF:306.6/19

+ sign 8.964+/-0.380 χ^2/NDF: 1021.3/36

All: 9.373+/-0.272 χ^2/NDF: 1799.7/75

- sign 9.806+/-0.390 χ^2/NDF: 776.0/38

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 52.936+/-0.586 χ^2/NDF:3484.4/20

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

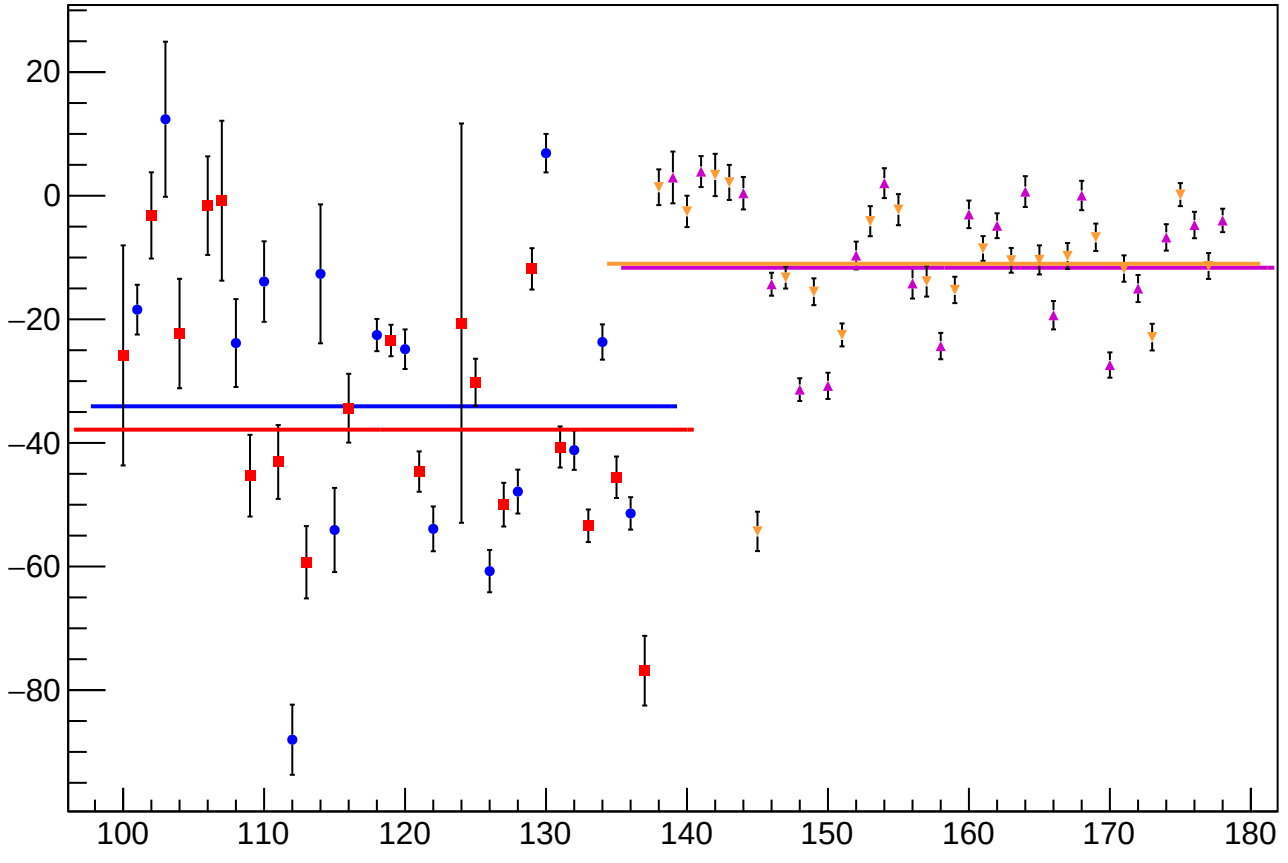
Left In: 57.727+/-0.583 χ^2/NDF:1868.5/19

\+ sign 58.180+/-0.496 χ^2/NDF: 8586.3/36

All: 61.243+/-0.353 χ^2/NDF: 15331.8/75

\- sign 64.374+/-0.501 χ^2/NDF: 6668.4/38

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: -11.007+/-0.489 χ^2/NDF:395.3/20

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

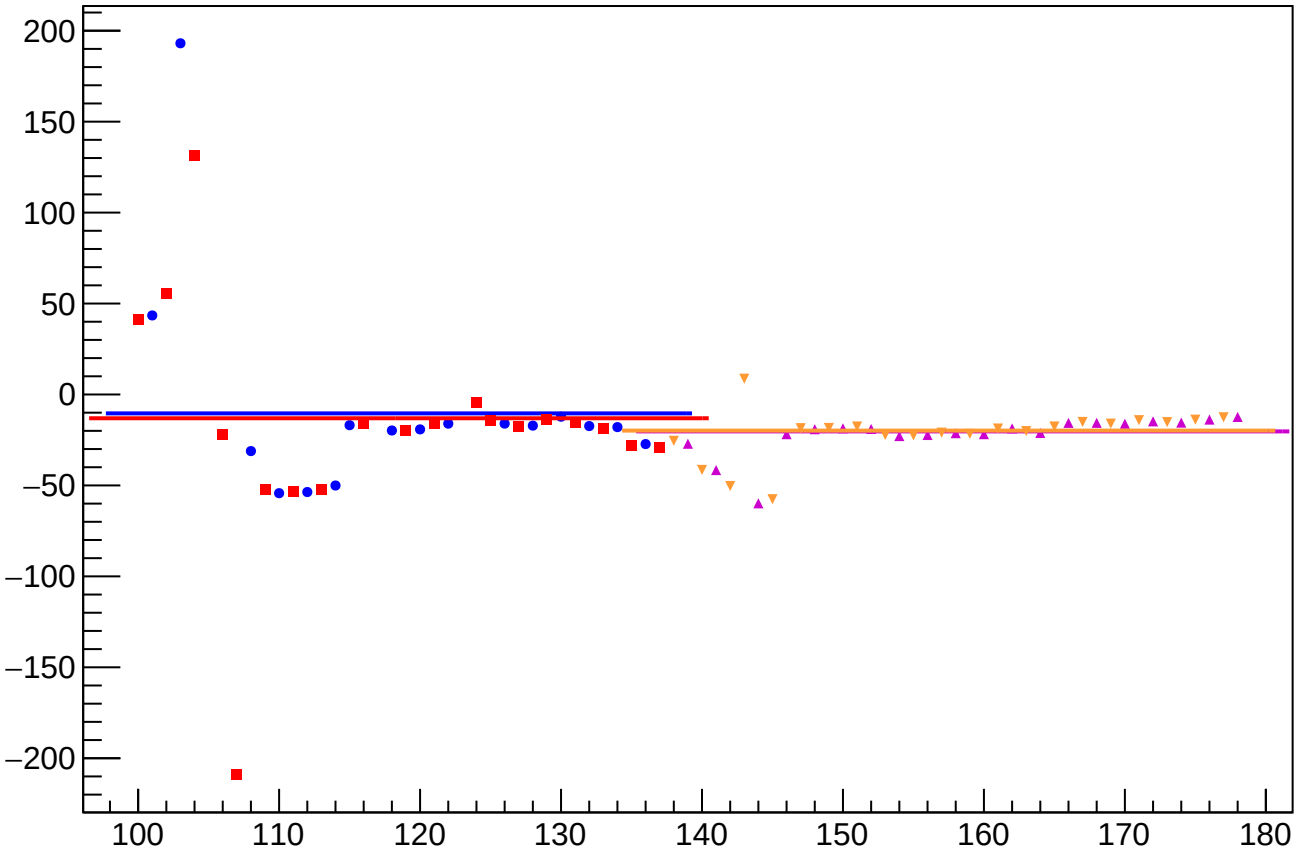
Left In: -11.651+/-0.496 χ^2/NDF:519.5/19

+ sign -15.905+/-0.434 χ^2/NDF: 1378.7/36

All: -16.382+/-0.310 χ^2/NDF: 2731.8/75

- sign -16.880+/-0.444 χ^2/NDF: 1350.6/38

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -19.865+/-0.022 χ^2/NDF:219271.5/20

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

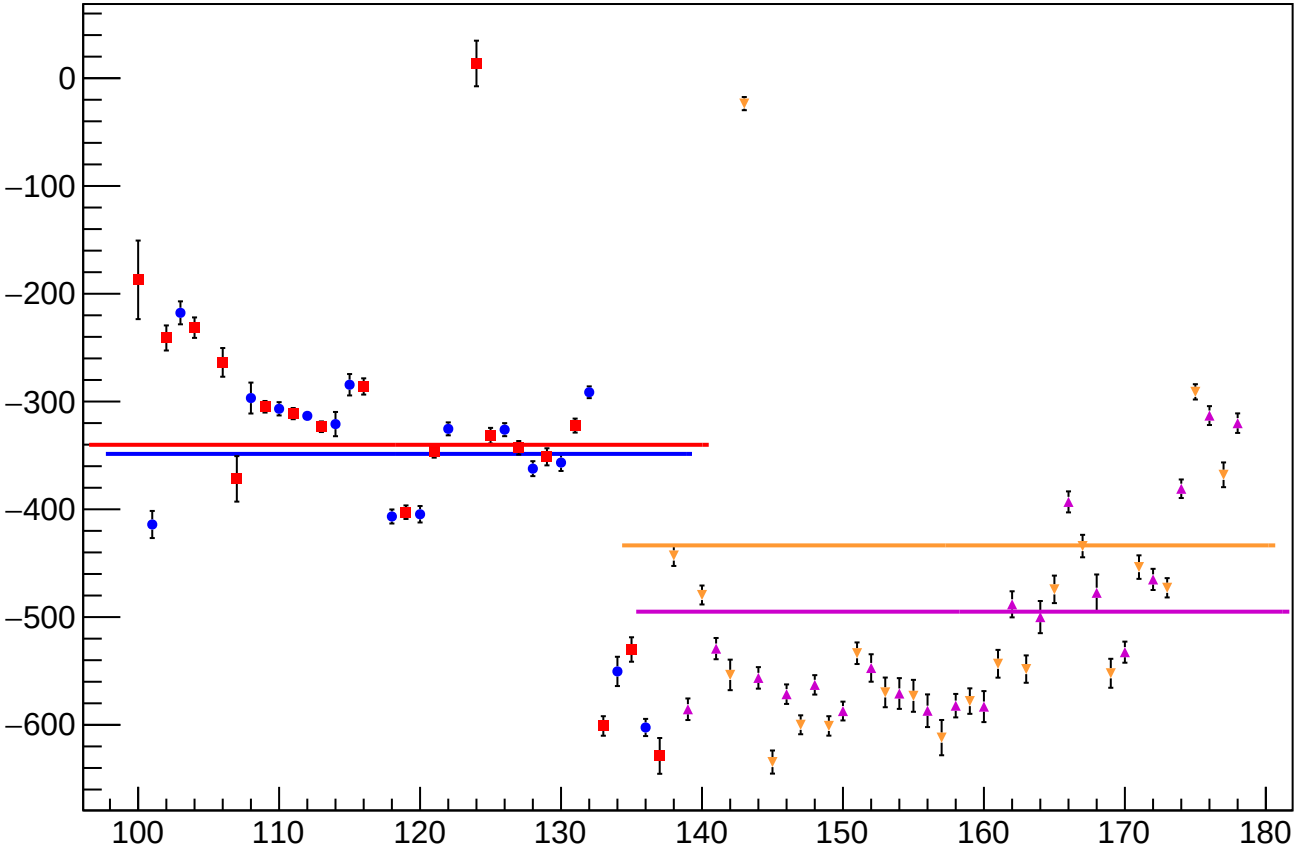
Left In: -20.303+/-0.022 χ^2/NDF:145813.5/19

+ sign -18.624+/-0.021 χ^2/NDF: 765715.5/36

All: -19.068+/-0.015 χ^2/NDF: 1373951.6/75

- sign -19.516+/-0.021 χ^2/NDF: 607299.8/38

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -433.473+/-2.229 χ^2/NDF:6895.2/20

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

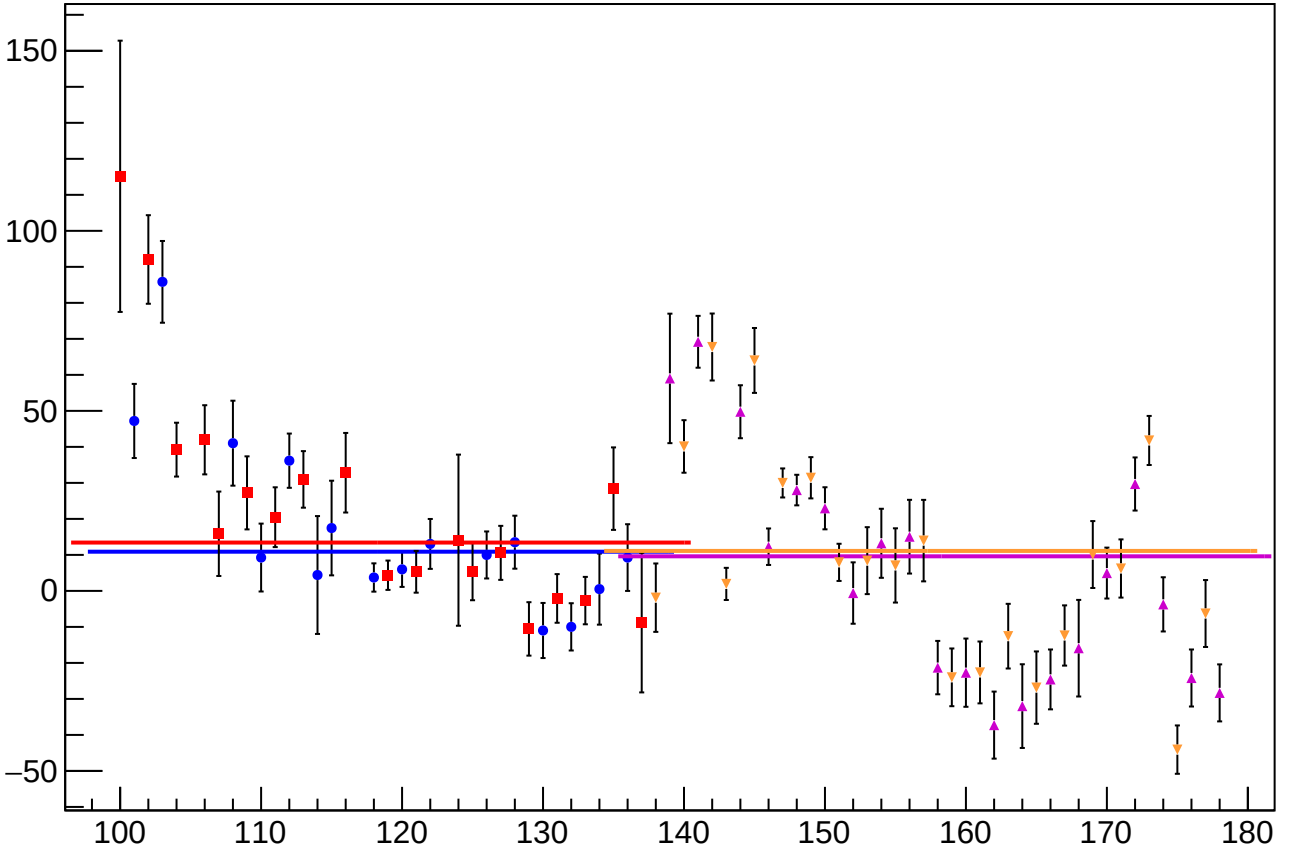
Left In: -494.978+/-2.348 χ^2/NDF:1668.4/19

+ sign -382.652+/-1.412 χ^2/NDF: 9622.0/36

All: -389.257+/-0.997 χ^2/NDF: 16316.3/75

- sign -395.825+/-1.408 χ^2/NDF: 6650.6/38

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 11.104+/-1.562 χ^2/NDF:283.9/20

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

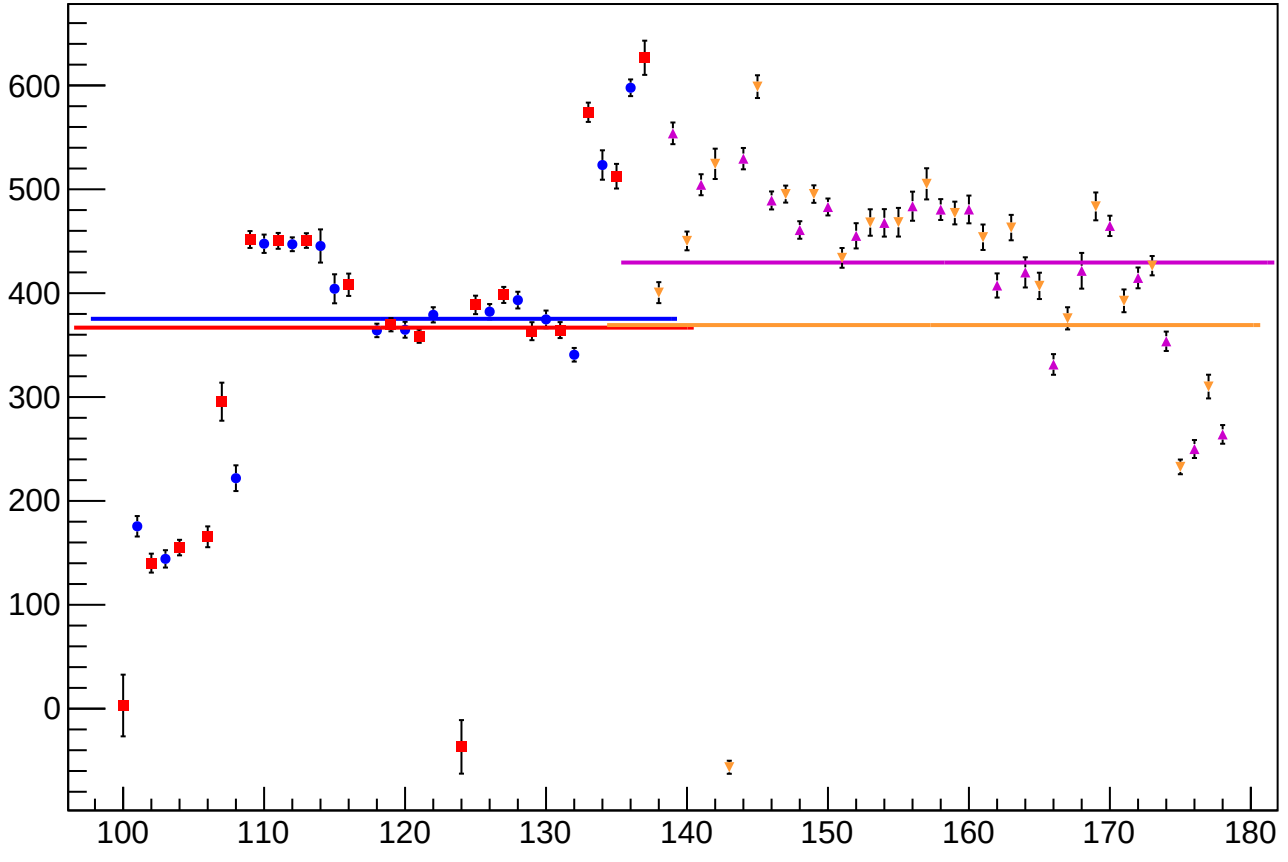
Left In: 9.604+/-1.678 χ^2/NDF:271.8/19

\+ sign 11.014+/-1.191 χ^2/NDF: 382.2/36

All: 11.163+/-0.861 χ^2/NDF: 768.8/75

\- sign 11.326+/-1.244 χ^2/NDF: 386.5/38

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 369.287+/-2.204 χ^2/NDF:6639.8/20

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

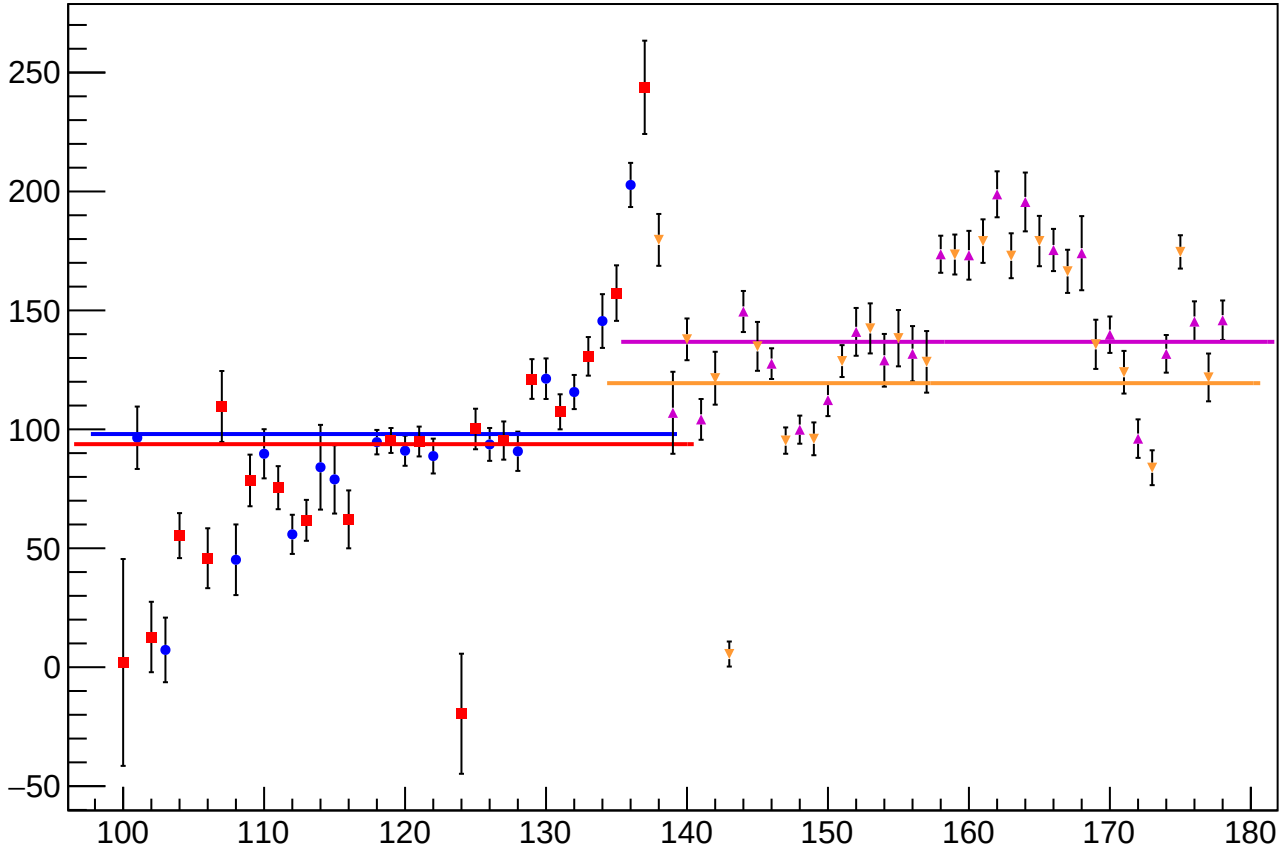
Left In: 429.496+/-2.311 χ^2/NDF:1416.8/19

+ sign 372.445+/-1.521 χ^2/NDF: 9093.2/36

All: 383.344+/-1.080 χ^2/NDF: 14566.2/75

- sign 394.418+/-1.533 χ^2/NDF: 5369.5/38

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 119.415+/-1.819 χ^2/NDF:809.0/20

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

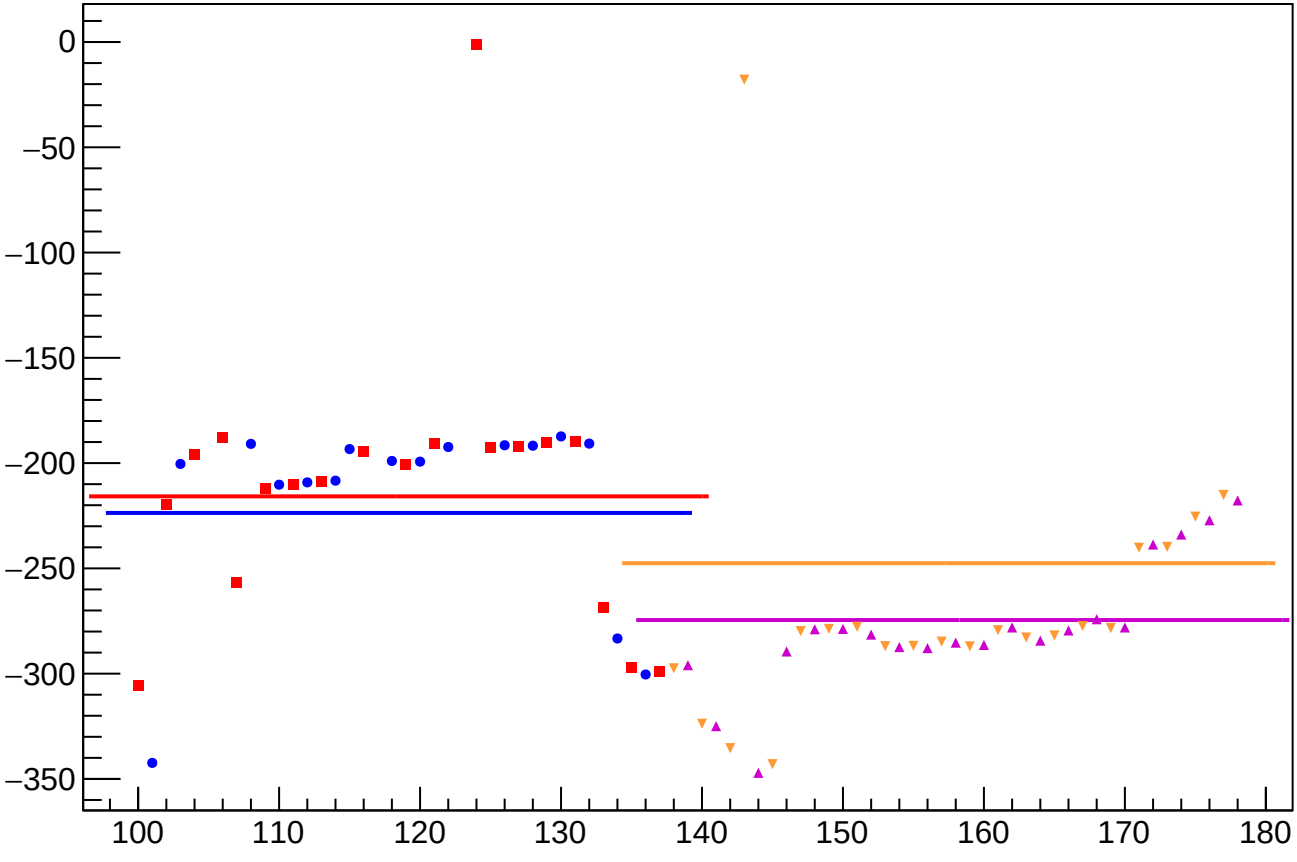
Left In: 136.787+/-1.935 χ^2/NDF:226.1/19

\+ sign 110.461+/-1.387 χ^2/NDF: 1116.4/36

All: 113.823+/-0.997 χ^2/NDF: 1814.2/75

\- sign 117.421+/-1.435 χ^2/NDF: 685.7/38

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -247.544+/-0.086 χ^2/NDF:985442.7/20

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

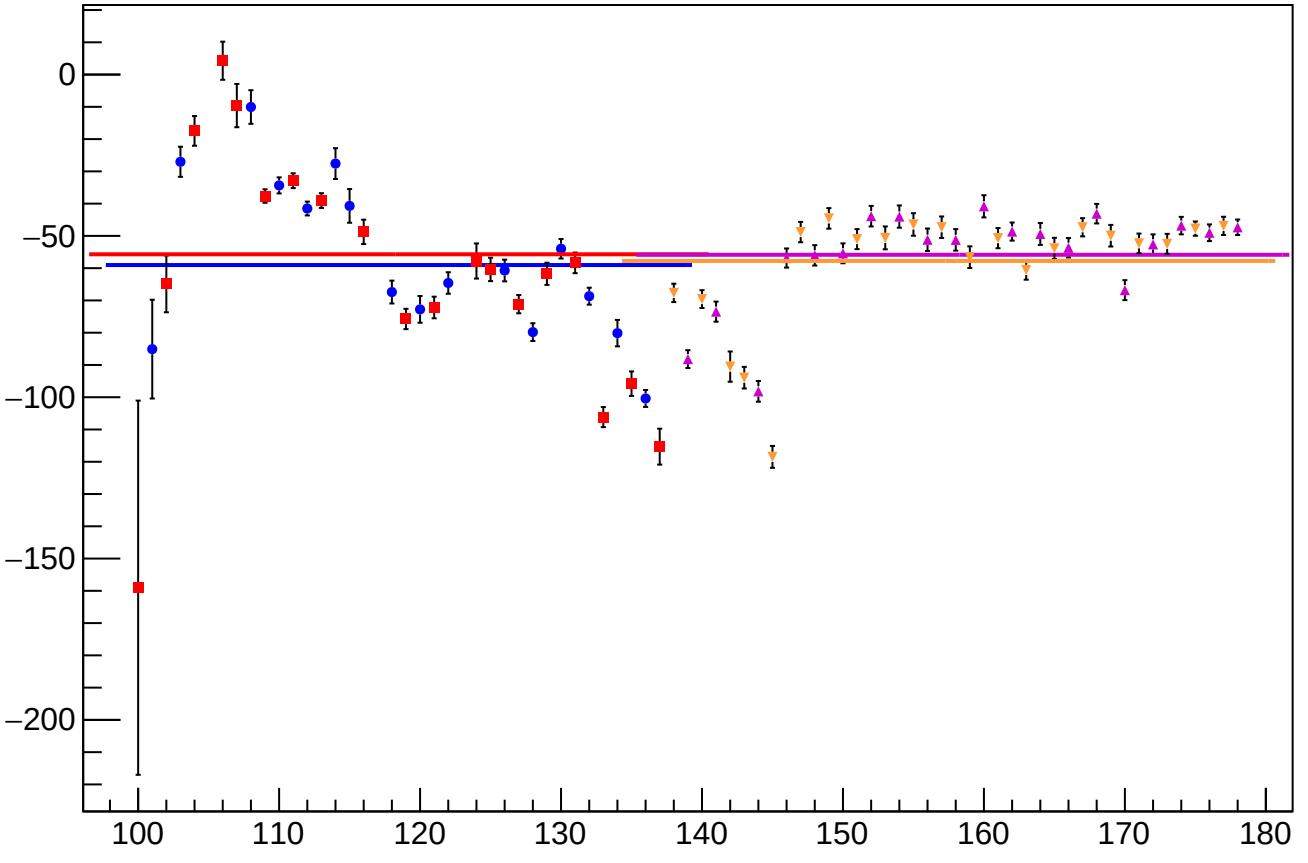
Left In: -274.539+/-0.088 χ^2/NDF:112181.6/19

+ sign -240.914+/-0.073 χ^2/NDF: 1128507.3/36

All: -248.765+/-0.052 χ^2/NDF: 1479298.0/75

- sign -256.813+/-0.074 χ^2/NDF: 327282.7/38

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -57.762+/-0.677 χ^2/NDF:639.4/20

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

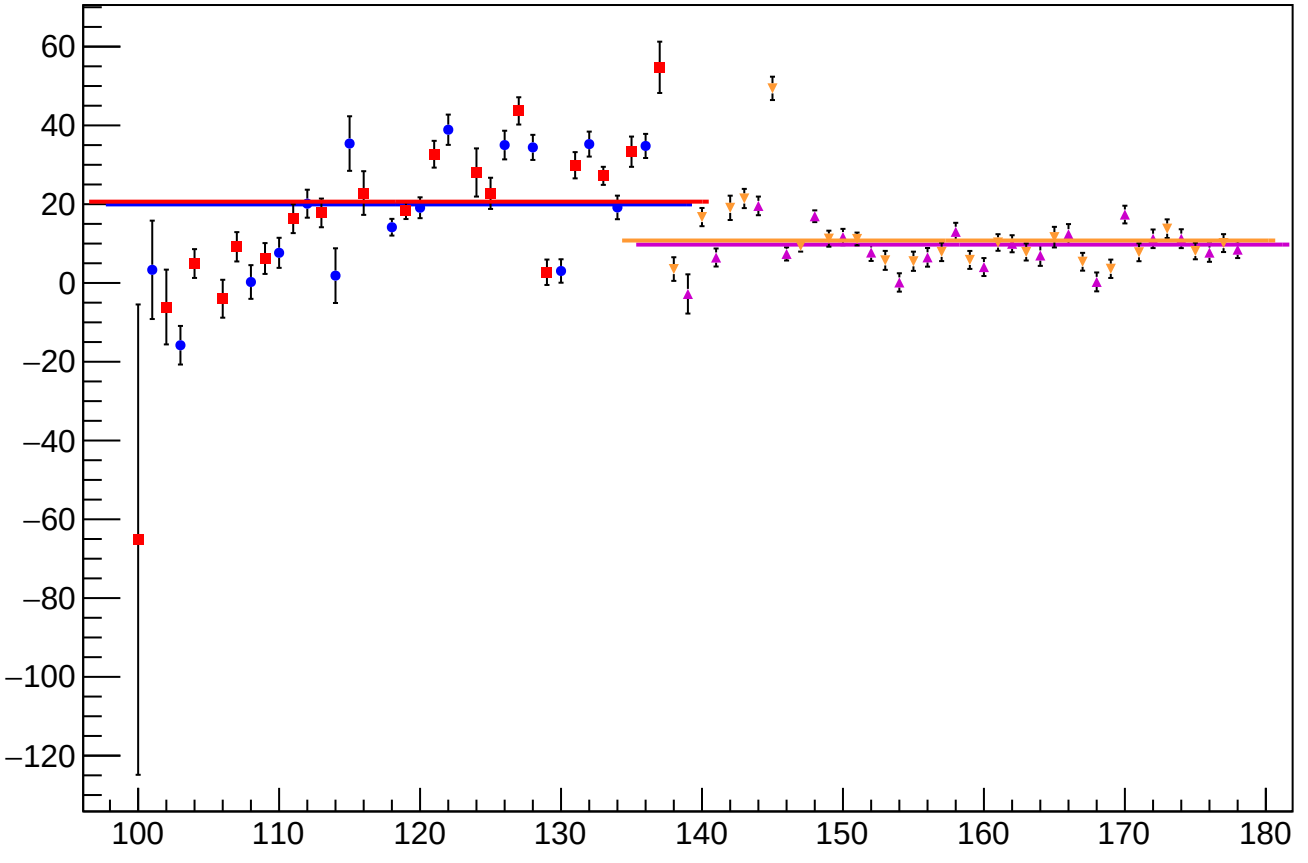
Left In: -55.850+/-0.676 χ^2/NDF:465.1/19

+ sign -58.269+/-0.524 χ^2/NDF: 1368.1/36

All: -57.002+/-0.367 χ^2/NDF: 2885.8/75

- sign -55.787+/-0.513 χ^2/NDF: 1506.3/38

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 10.777+/-0.485 χ^2/NDF:246.9/20

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

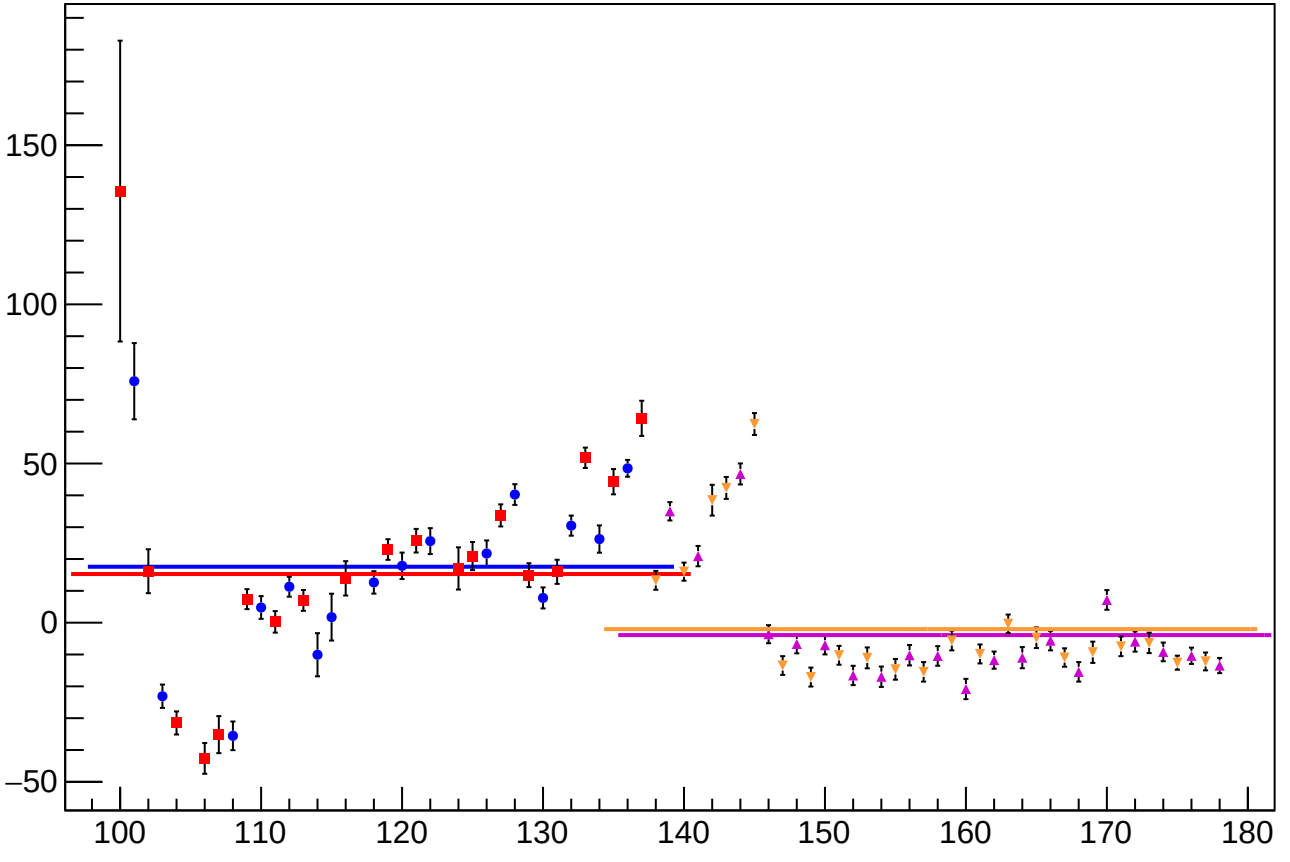
Left In: 9.741+/-0.497 χ^2/NDF:110.9/19

\+ sign 12.961+/-0.423 χ^2/NDF: 579.2/36

All: 12.758+/-0.301 χ^2/NDF: 1039.3/75

\- sign 12.549+/-0.428 χ^2/NDF: 459.6/38

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: -2.021+/-0.665 χ^2/NDF:809.4/20

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

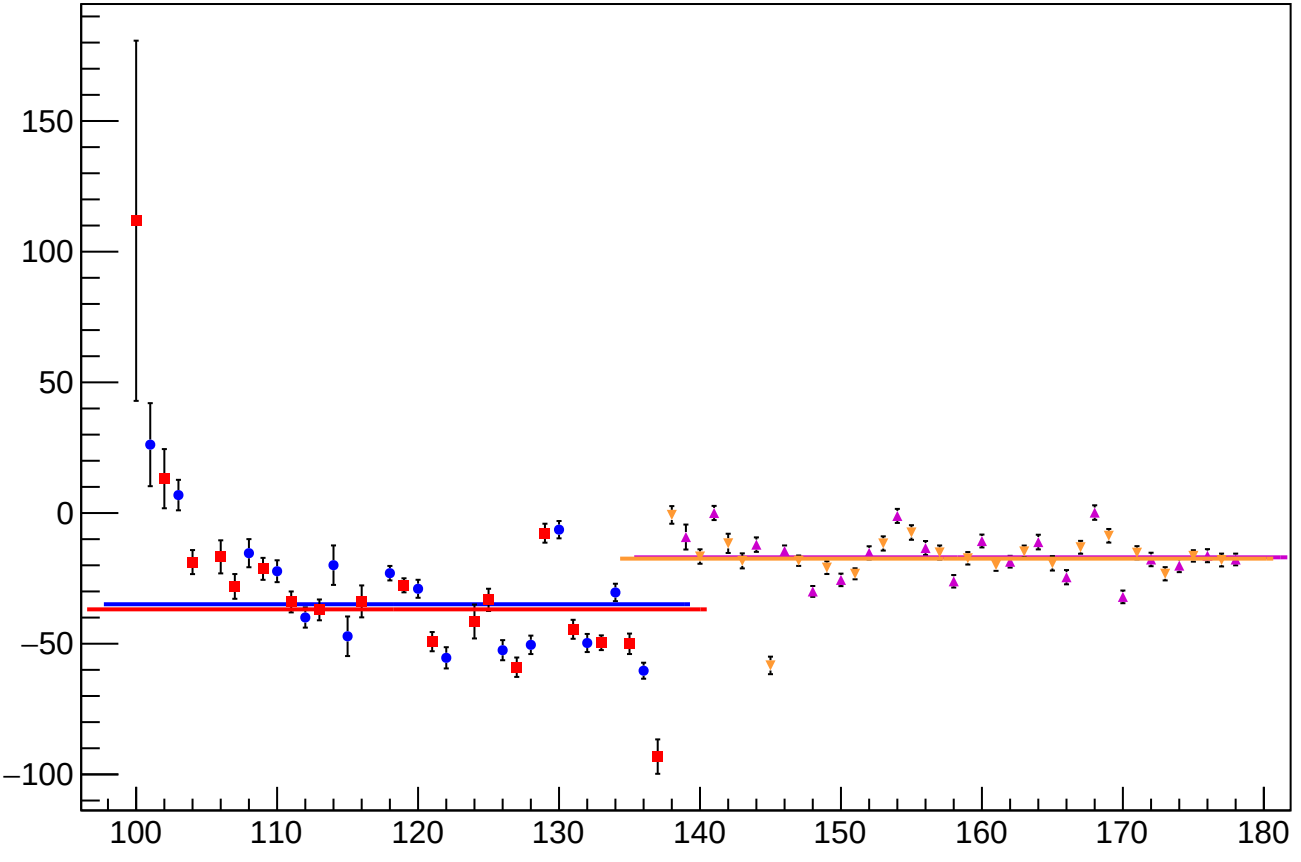
Left In: -3.895+/-0.664 χ^2/NDF:617.6/19

+ sign 4.367+/-0.546 χ^2/NDF: 1638.4/36

All: 3.448+/-0.384 χ^2/NDF: 3271.7/75

- sign 2.545+/-0.541 χ^2/NDF: 1627.7/38

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -34.899+/-0.990 χ^2/NDF: 346.6/15

Left Out: -17.445+/-0.555 χ^2/NDF:227.2/20

Right Out: -36.853+/-0.970 χ^2/NDF: 301.4/18

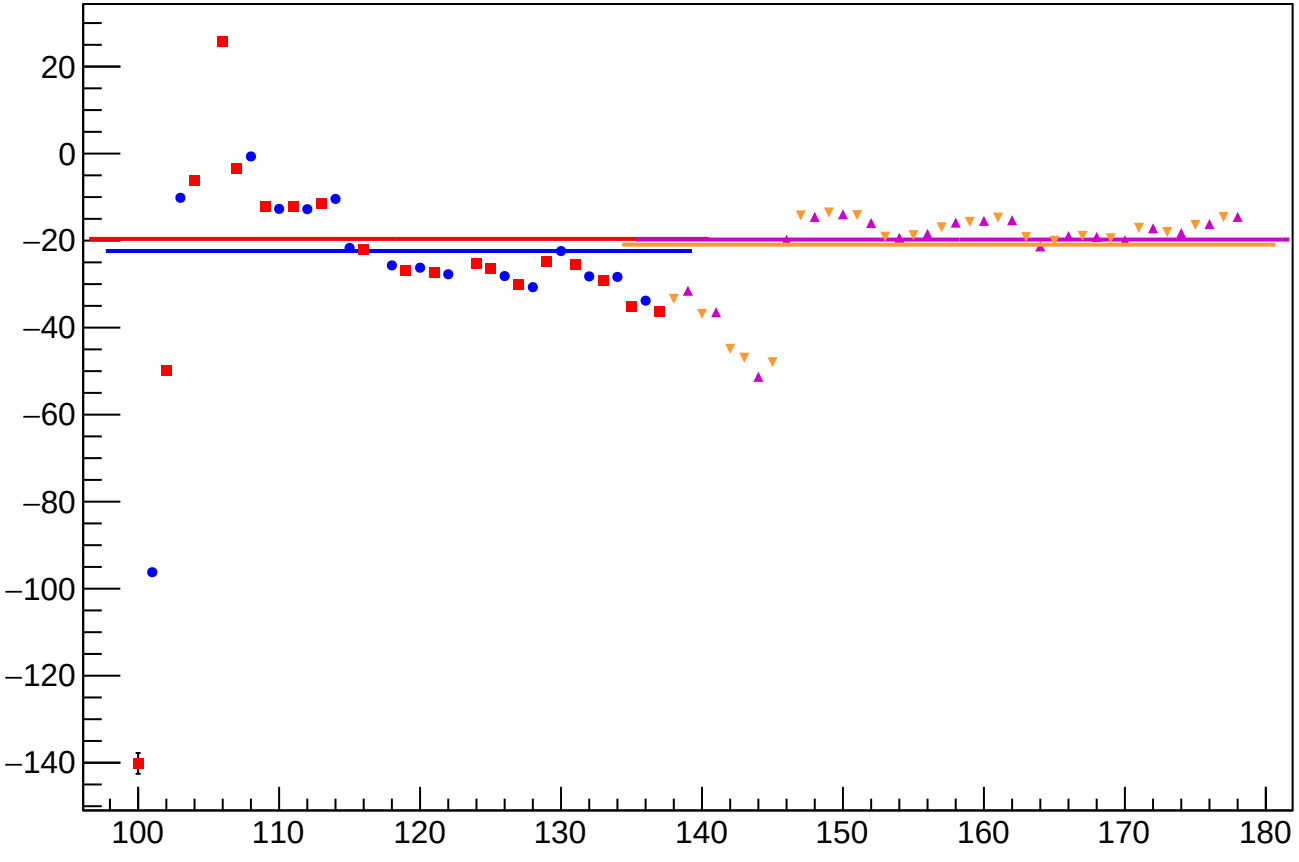
Left In: -16.944+/-0.565 χ^2/NDF:247.8/19

+ sign -21.618+/-0.484 χ^2/NDF: 810.2/36

All: -21.803+/-0.344 χ^2/NDF: 1674.5/75

- sign -21.990+/-0.488 χ^2/NDF: 864.1/38

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -20.926+/-0.025 χ^2/NDF:141615.9/20

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

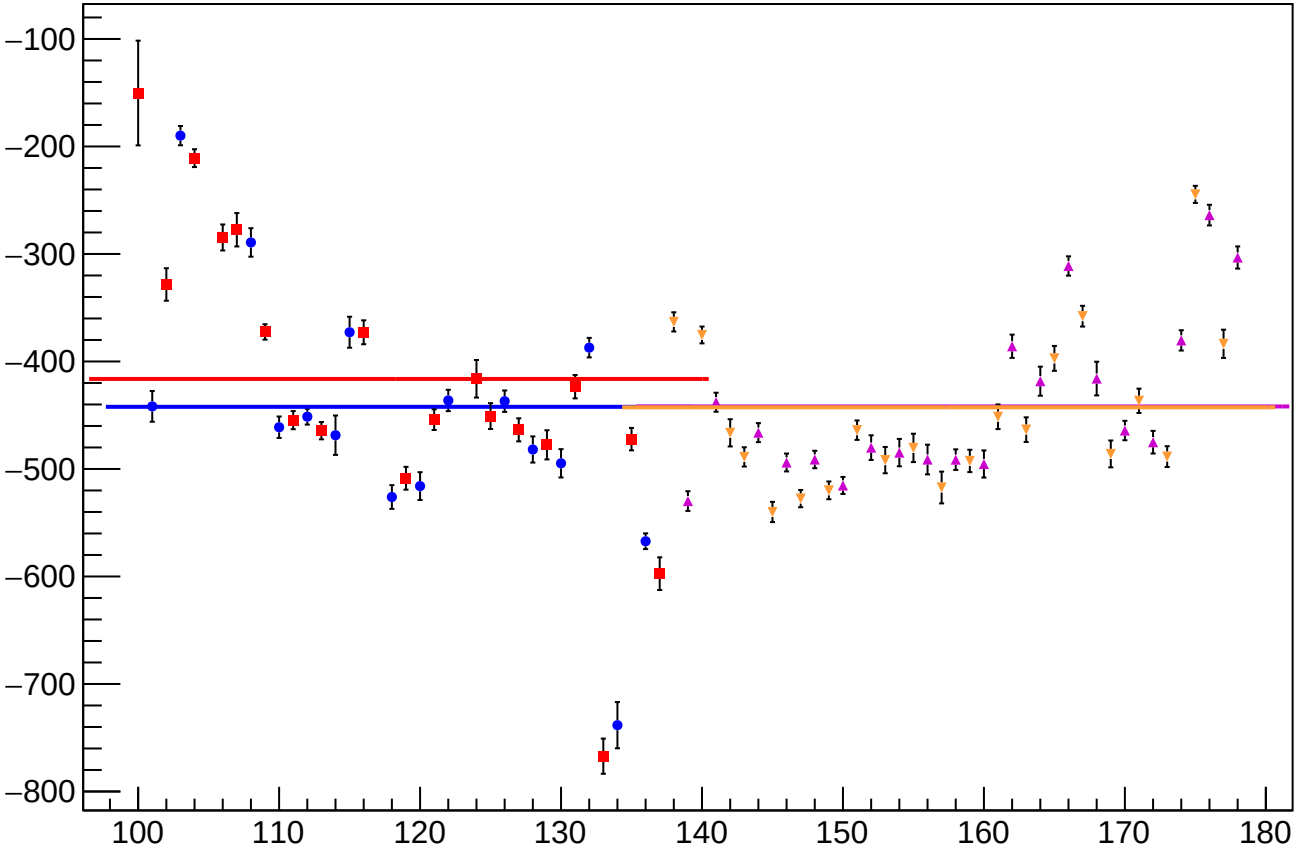
Left In: -19.758+/-0.025 χ^2/NDF:90323.6/19

+ sign -21.155+/-0.023 χ^2/NDF: 188670.6/36

All: -20.444+/-0.016 χ^2/NDF: 364769.5/75

- sign -19.736+/-0.023 χ^2/NDF: 174195.0/38

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -442.632+/-2.196 χ^2/NDF:1340.6/20

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

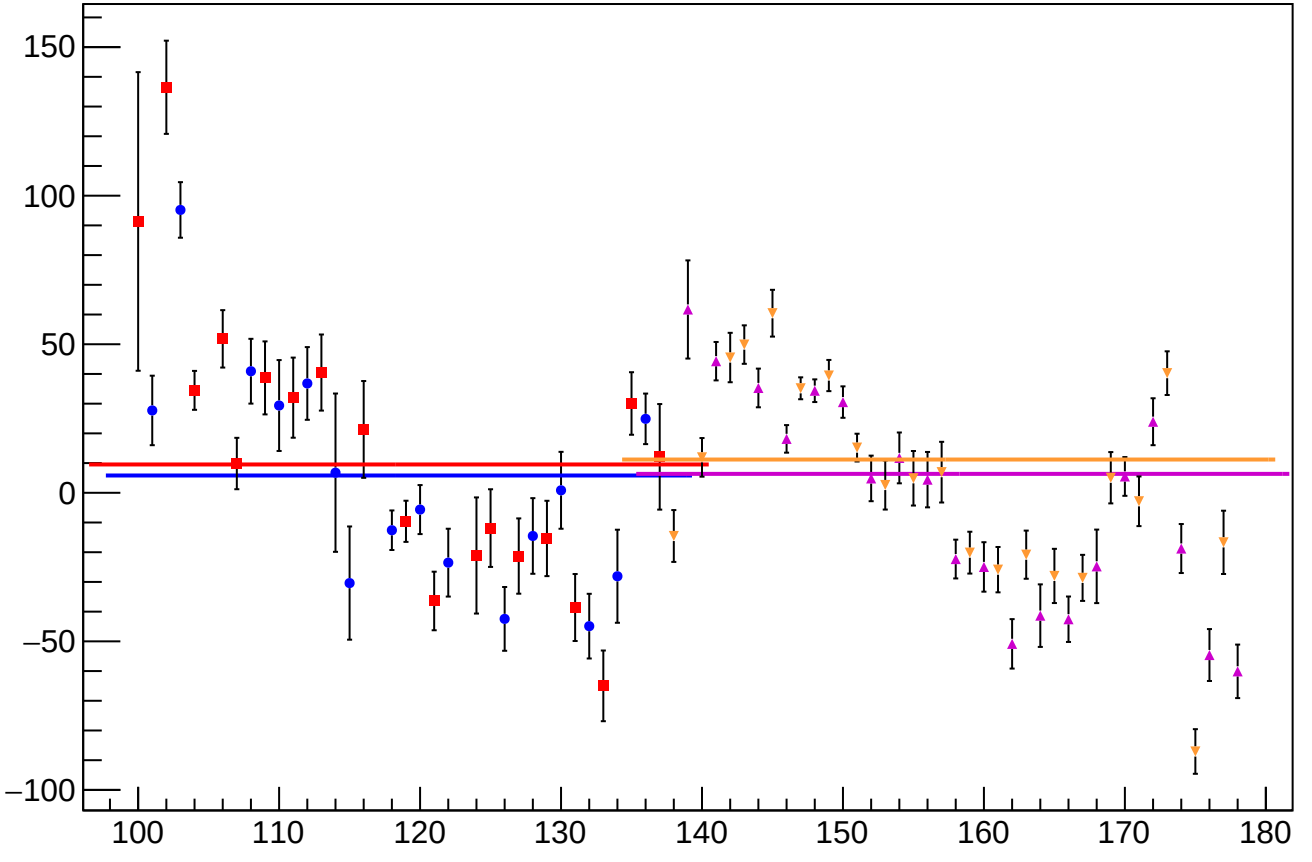
Left In: -441.841+/-2.222 χ^2/NDF:1168.8/19

+ sign -442.451+/-1.699 χ^2/NDF: 2929.7/36

All: -436.448+/-1.190 χ^2/NDF: 5934.7/75

- sign -430.665+/-1.667 χ^2/NDF: 2980.5/38

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 11.198+/-1.513 χ^2/NDF:475.1/20

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

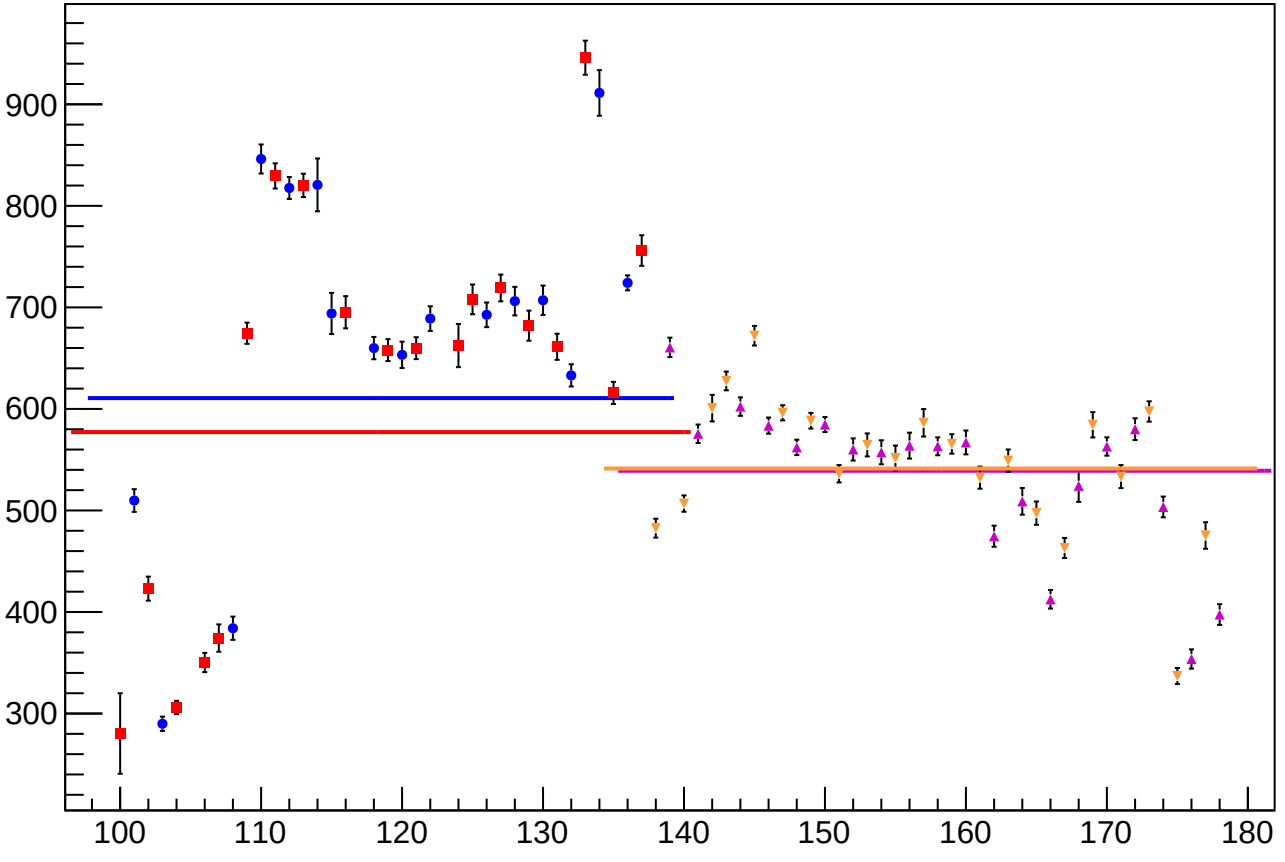
Left In: 6.368+/-1.564 χ^2/NDF:412.9/19

+ sign 9.933+/-1.323 χ^2/NDF: 666.2/36

All: 8.593+/-0.939 χ^2/NDF: 1304.4/75

- sign 7.231+/-1.334 χ^2/NDF: 636.1/38

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 541.327+/-2.159 χ^2/NDF:1277.4/20

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

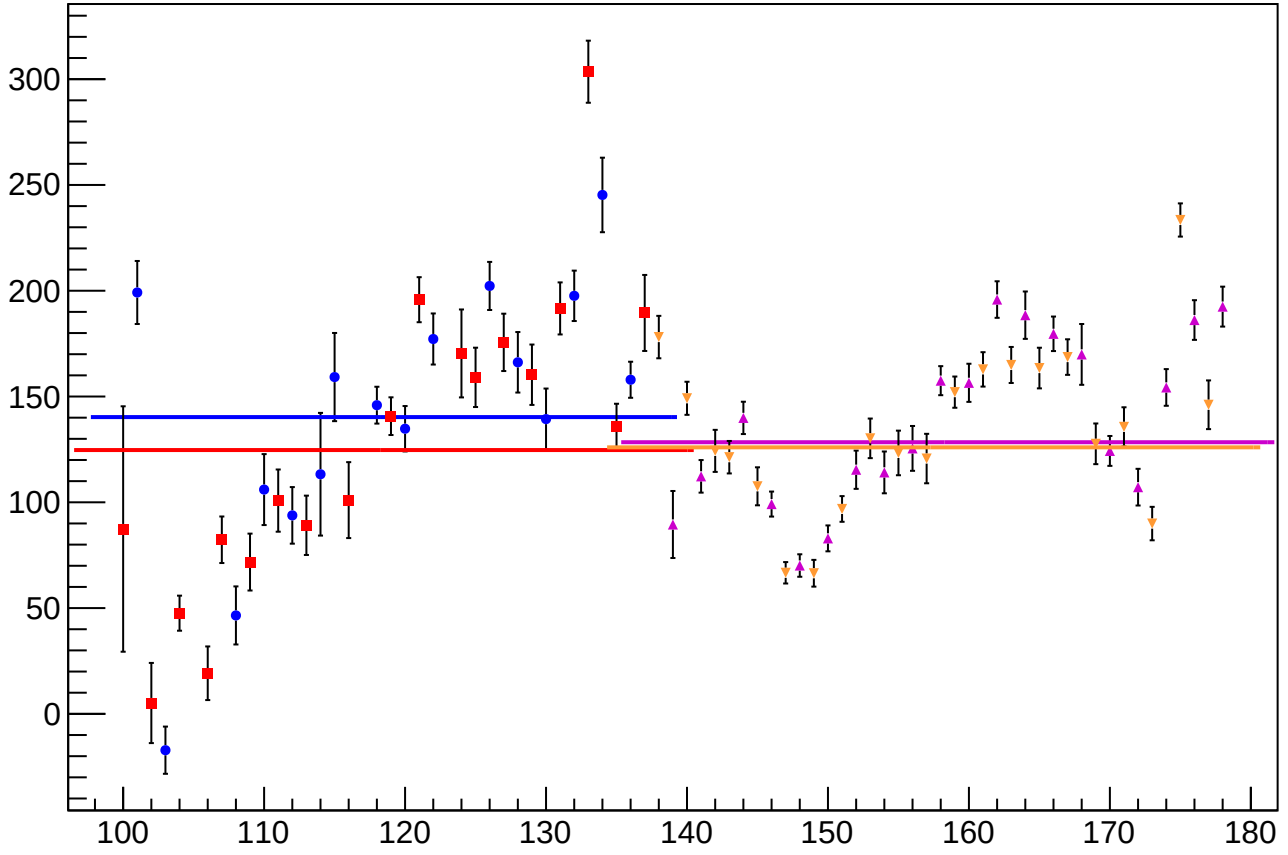
Left In: 539.092+/-2.179 χ^2/NDF:1170.6/19

+ sign 566.137+/-1.730 χ^2/NDF: 5539.0/36

All: 559.873+/-1.216 χ^2/NDF: 11653.5/75

- sign 553.760+/-1.709 χ^2/NDF: 6088.6/38

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 125.975+/-1.770 χ^2/NDF:597.2/20

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

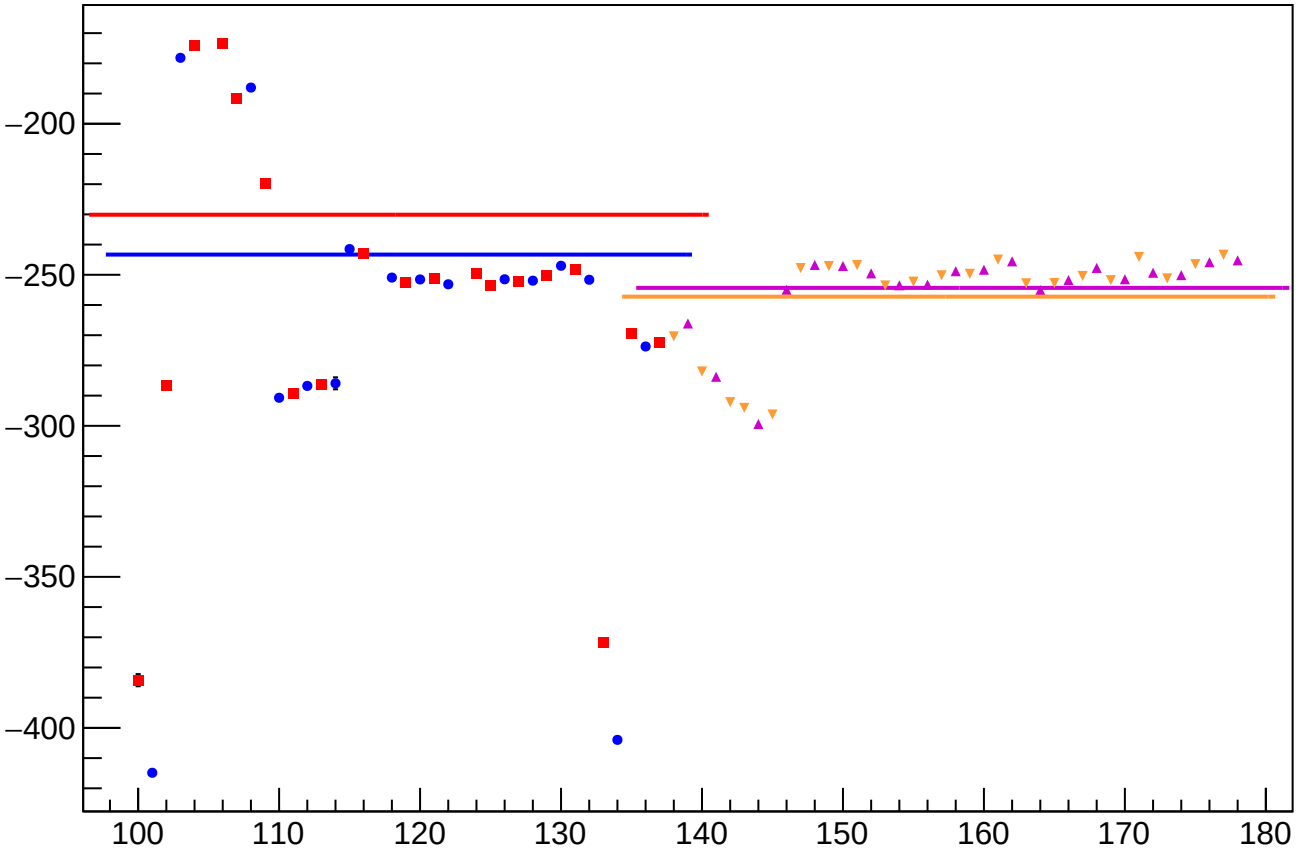
Left In: 128.396+/-1.813 χ^2/NDF:481.3/19

+ sign 129.404+/-1.543 χ^2/NDF: 998.2/36

All: 128.404+/-1.093 χ^2/NDF: 1990.0/75

- sign 127.395+/-1.549 χ^2/NDF: 990.9/38

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -257.232+/-0.083 χ^2/NDF:38494.2/20

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

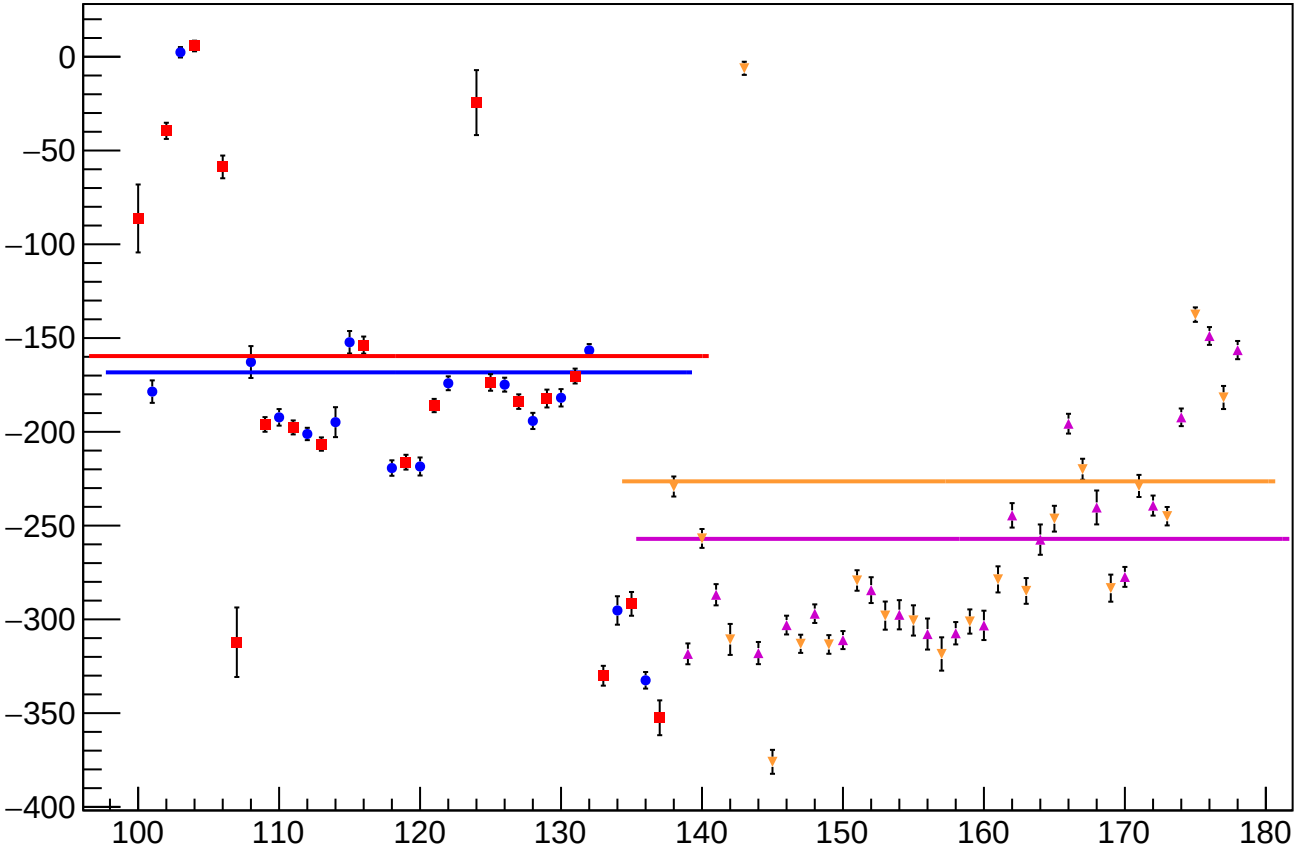
Left In: -254.332+/-0.083 χ^2/NDF:23549.7/19

+ sign -254.325+/-0.074 χ^2/NDF: 217790.4/36

All: -251.660+/-0.052 χ^2/NDF: 364867.2/75

- sign -249.049+/-0.073 χ^2/NDF: 144526.5/38

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -226.401+/-1.232 χ^2/NDF:6562.1/20

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

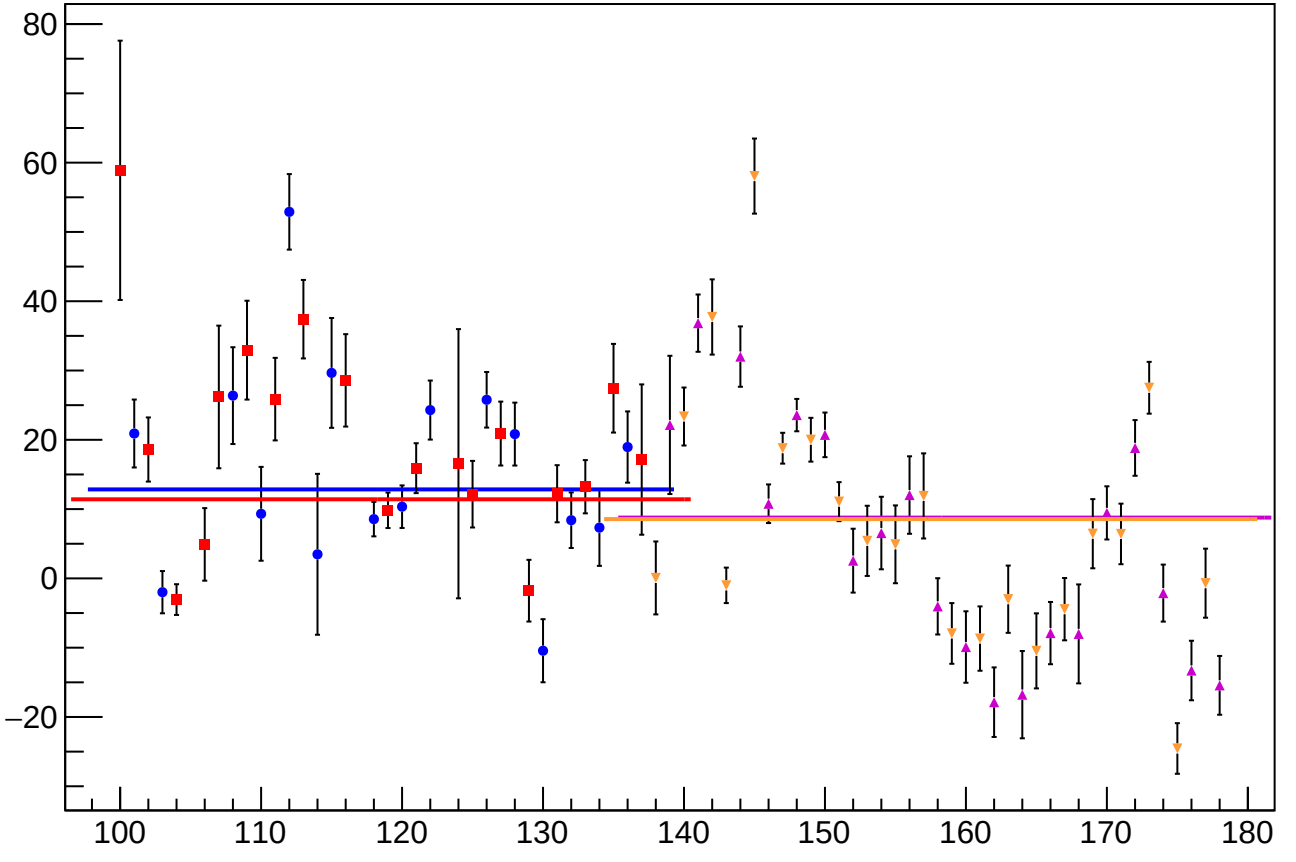
Left In: -257.076+/-1.289 χ^2/NDF:2023.3/19

+ sign -193.428+/-0.810 χ^2/NDF: 13731.9/36

All: -195.786+/-0.573 χ^2/NDF: 26428.0/75

- sign -198.144+/-0.810 χ^2/NDF: 12679.2/38

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

Left Out: 8.557+/-0.863 χ^2/NDF:343.6/20

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

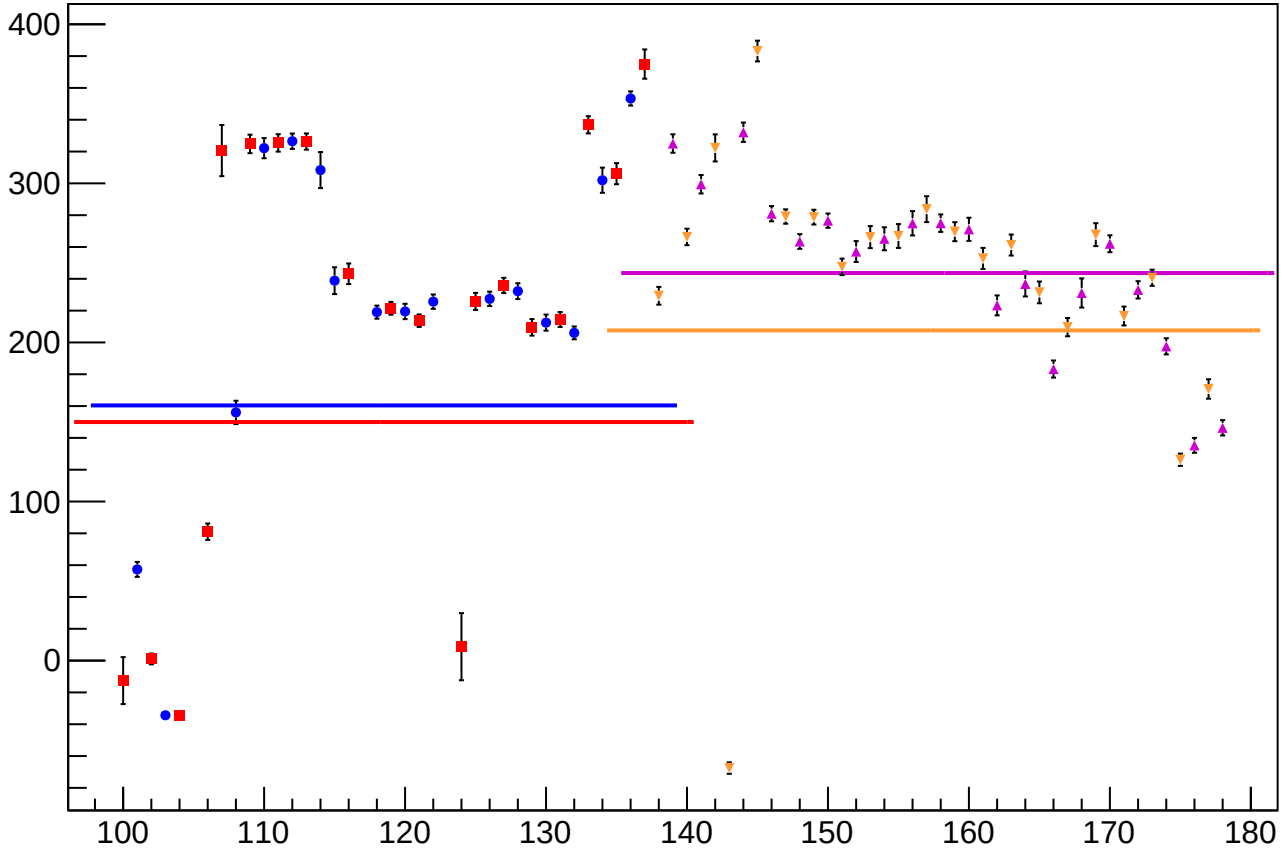
Left In: 8.774+/-0.922 χ^2/NDF:292.3/19

+ sign 10.233+/-0.673 χ^2/NDF: 497.0/36

All: 10.091+/-0.481 χ^2/NDF: 912.5/75

- sign 9.941+/-0.689 χ^2/NDF: 415.5/38

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 207.573+/-1.217 χ^2/NDF:8457.4/20

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

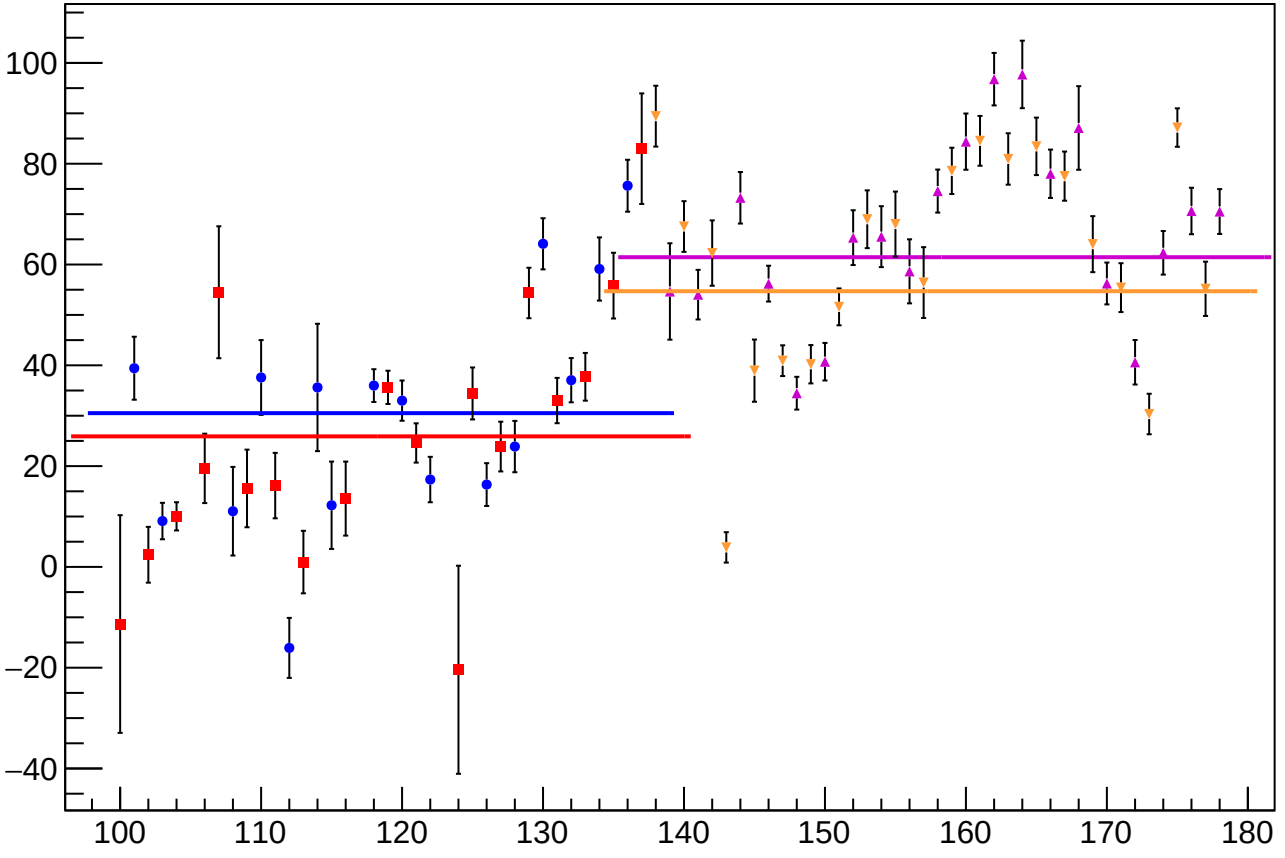
Left In: 243.629+/-1.268 χ^2/NDF:1889.2/19

+ sign 182.432+/-0.832 χ^2/NDF: 23207.9/36

All: 186.440+/-0.589 χ^2/NDF: 44505.1/75

- sign 190.470+/-0.834 χ^2/NDF: 21250.6/38

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 54.704+/-1.004 χ^2/NDF:626.9/20

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

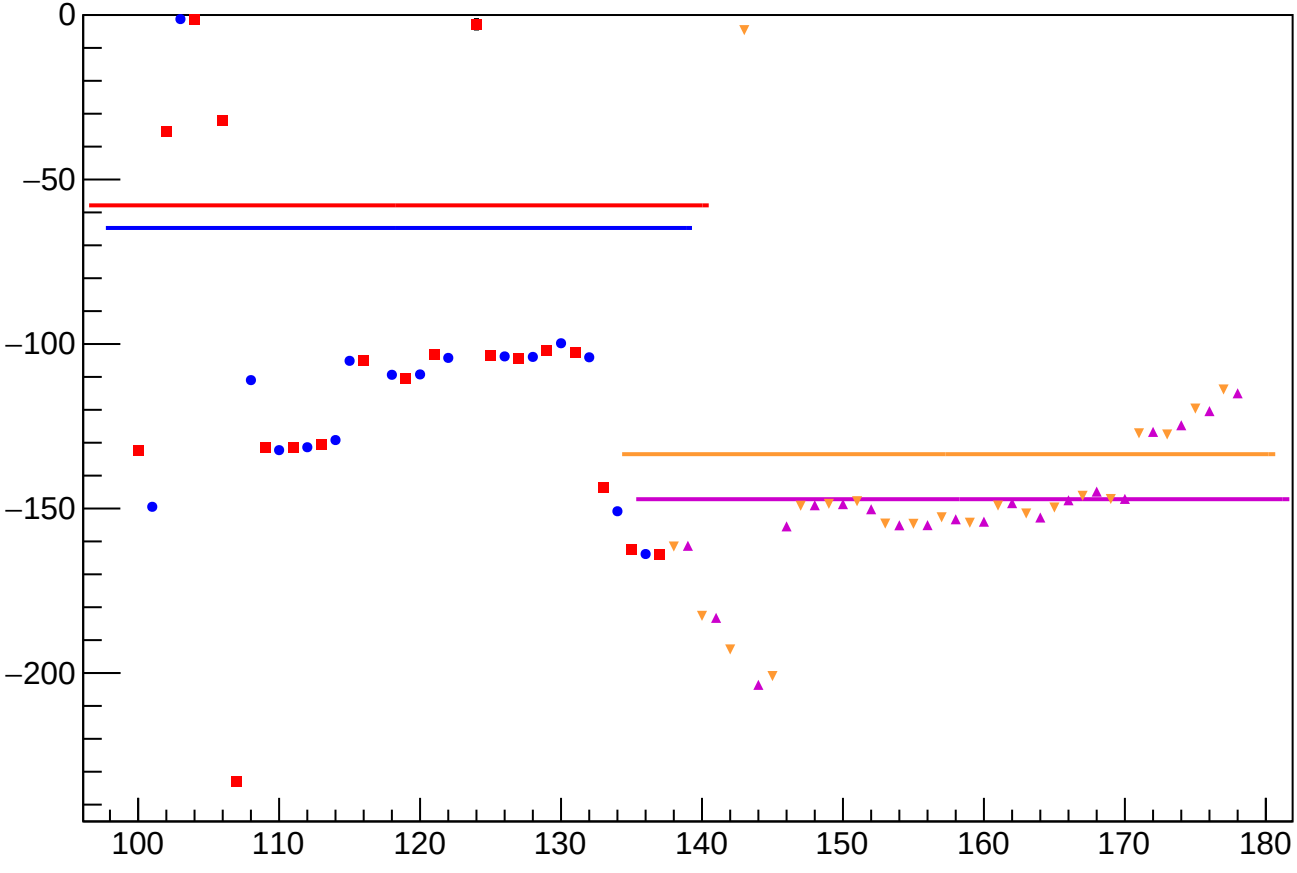
Left In: 61.454+/-1.062 χ^2/NDF:266.6/19

+ sign 45.260+/-0.784 χ^2/NDF: 1130.6/36

All: 45.638+/-0.560 χ^2/NDF: 2071.7/75

- sign 46.031+/-0.799 χ^2/NDF: 940.6/38

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -133.482+/-0.047 χ^2/NDF:981791.5/20

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

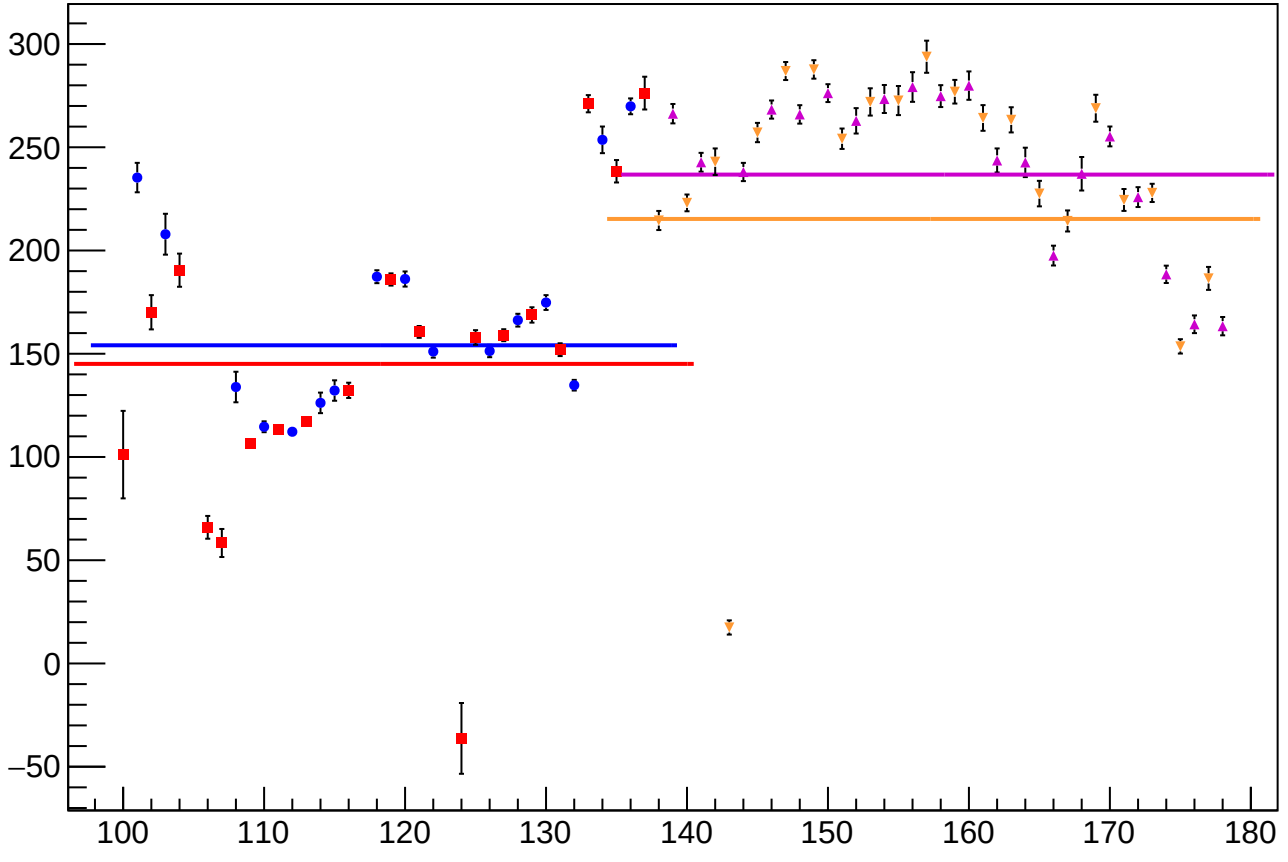
Left In: -147.167+/-0.048 χ^2/NDF:144972.9/19

+ sign -109.144+/-0.038 χ^2/NDF: 2776695.8/36

All: -111.296+/-0.027 χ^2/NDF: 5089965.3/75

- sign -113.473+/-0.038 χ^2/NDF: 2306801.2/38

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 215.287+/-1.092 χ^2/NDF:4901.3/20

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

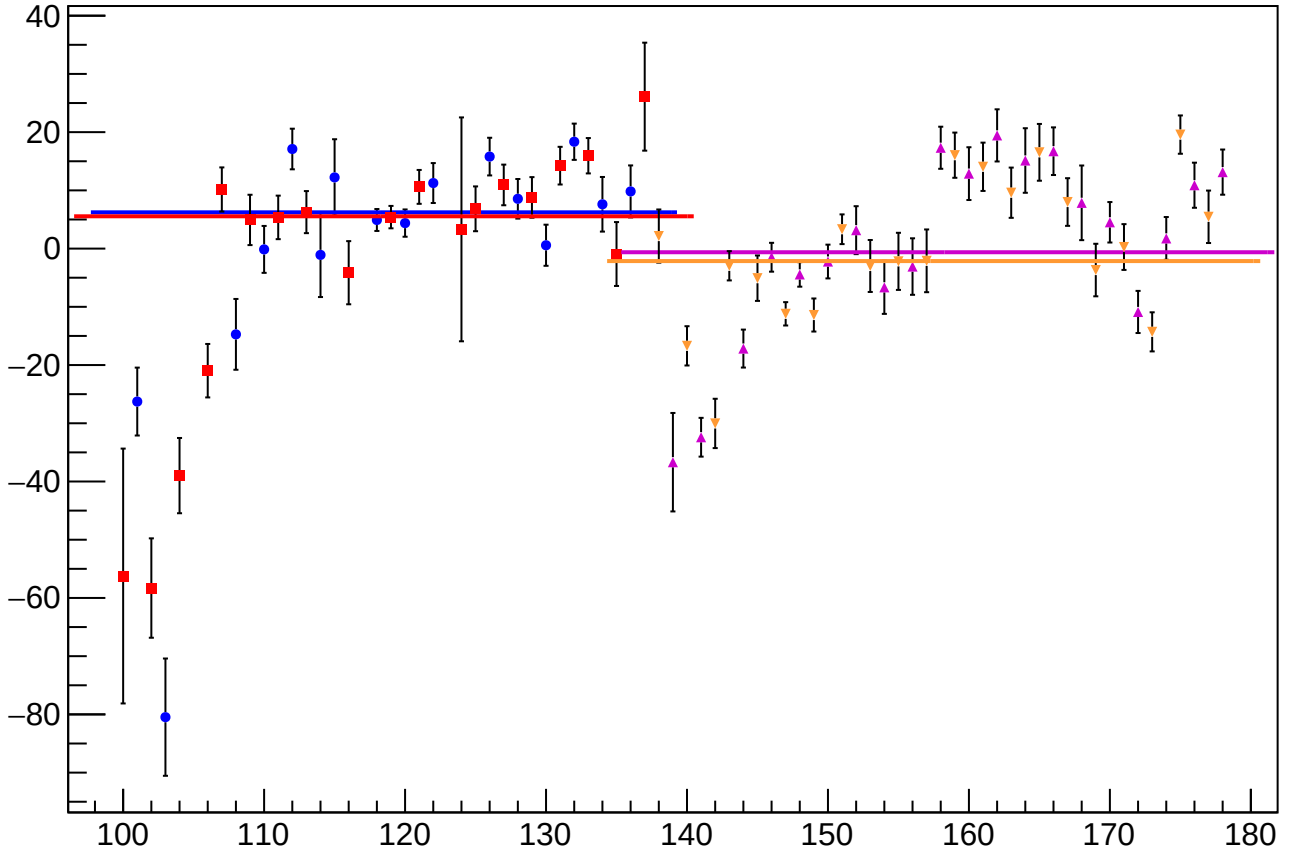
Left In: 236.762+/-1.132 χ^2/NDF:1171.7/19

+ sign 177.818+/-0.680 χ^2/NDF: 9104.2/36

All: 177.374+/-0.476 χ^2/NDF: 17516.3/75

- sign 176.946+/-0.667 χ^2/NDF: 8411.3/38

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 6.229+/-0.890 χ^2/NDF: 162.1/15

Left Out: -2.144+/-0.769 χ^2/NDF:224.7/20

Right Out: 5.548+/-0.889 χ^2/NDF: 181.1/18

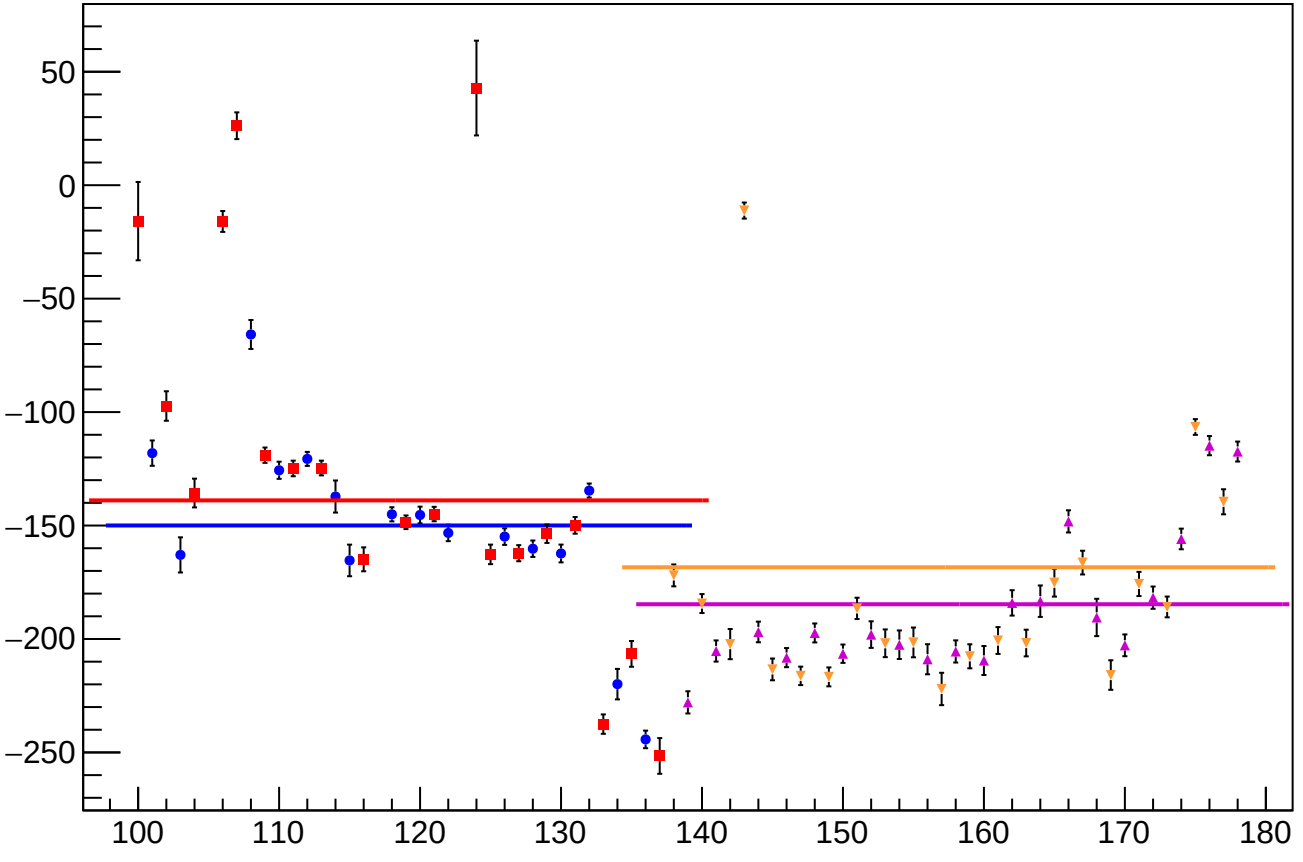
Left In: -0.625+/-0.813 χ^2/NDF:255.0/19

+ sign 1.433+/-0.582 χ^2/NDF: 437.4/36

All: 1.797+/-0.418 χ^2/NDF: 900.6/75

- sign 2.184+/-0.600 χ^2/NDF: 462.4/38

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -168.400+/-1.080 χ^2/NDF:3030.6/20

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

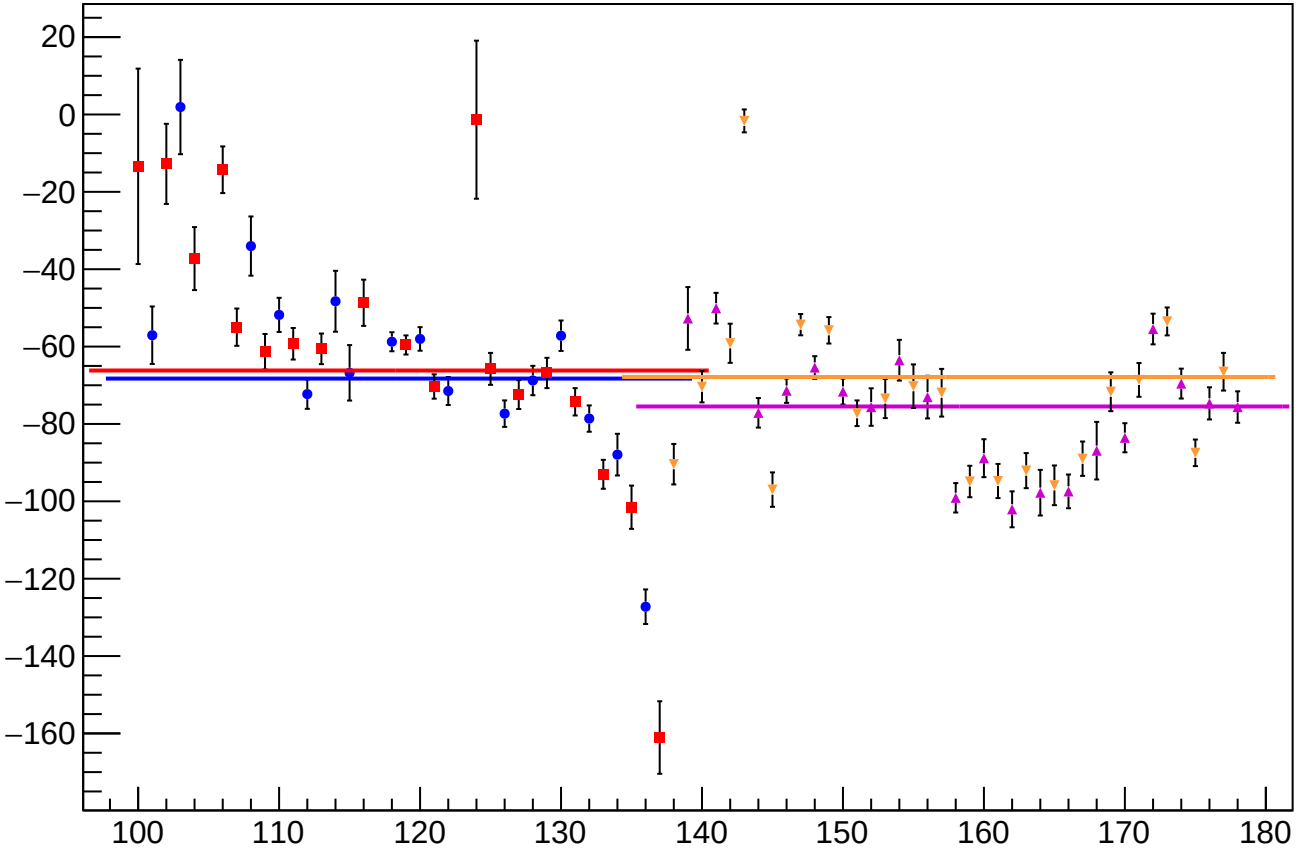
Left In: -184.686+/-1.115 χ^2/NDF:851.8/19

+ sign -158.712+/-0.744 χ^2/NDF: 4283.2/36

All: -158.941+/-0.525 χ^2/NDF: 8825.6/75

- sign -159.168+/-0.742 χ^2/NDF: 4542.2/38

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -67.867+/-0.894 χ^2/NDF:822.0/20

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

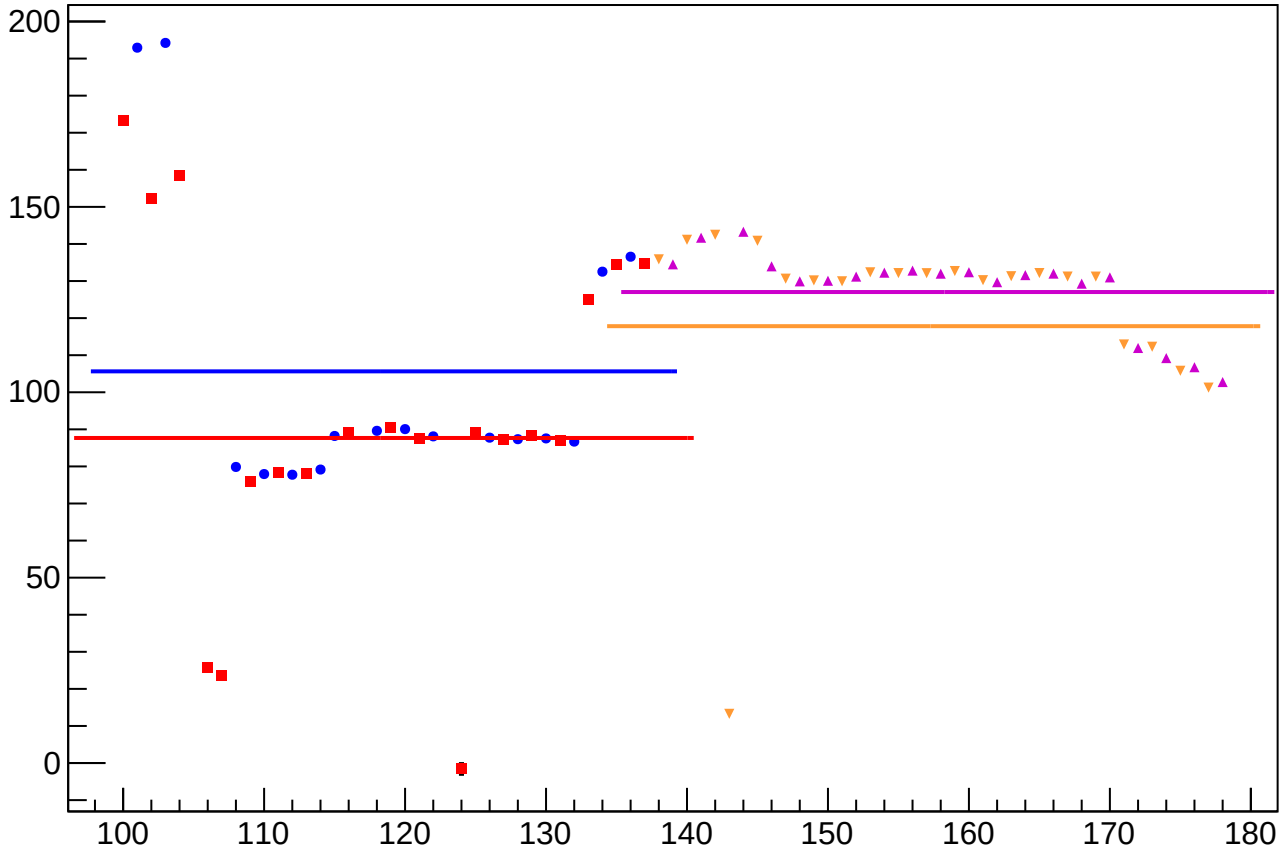
Left In: -75.484+/-0.936 χ^2/NDF:222.5/19

+ sign -68.040+/-0.676 χ^2/NDF: 1137.5/36

All: -69.610+/-0.483 χ^2/NDF: 1774.3/75

- sign -71.251+/-0.691 χ^2/NDF: 625.8/38

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 117.825+/-0.042 χ^2/NDF:620090.8/20

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

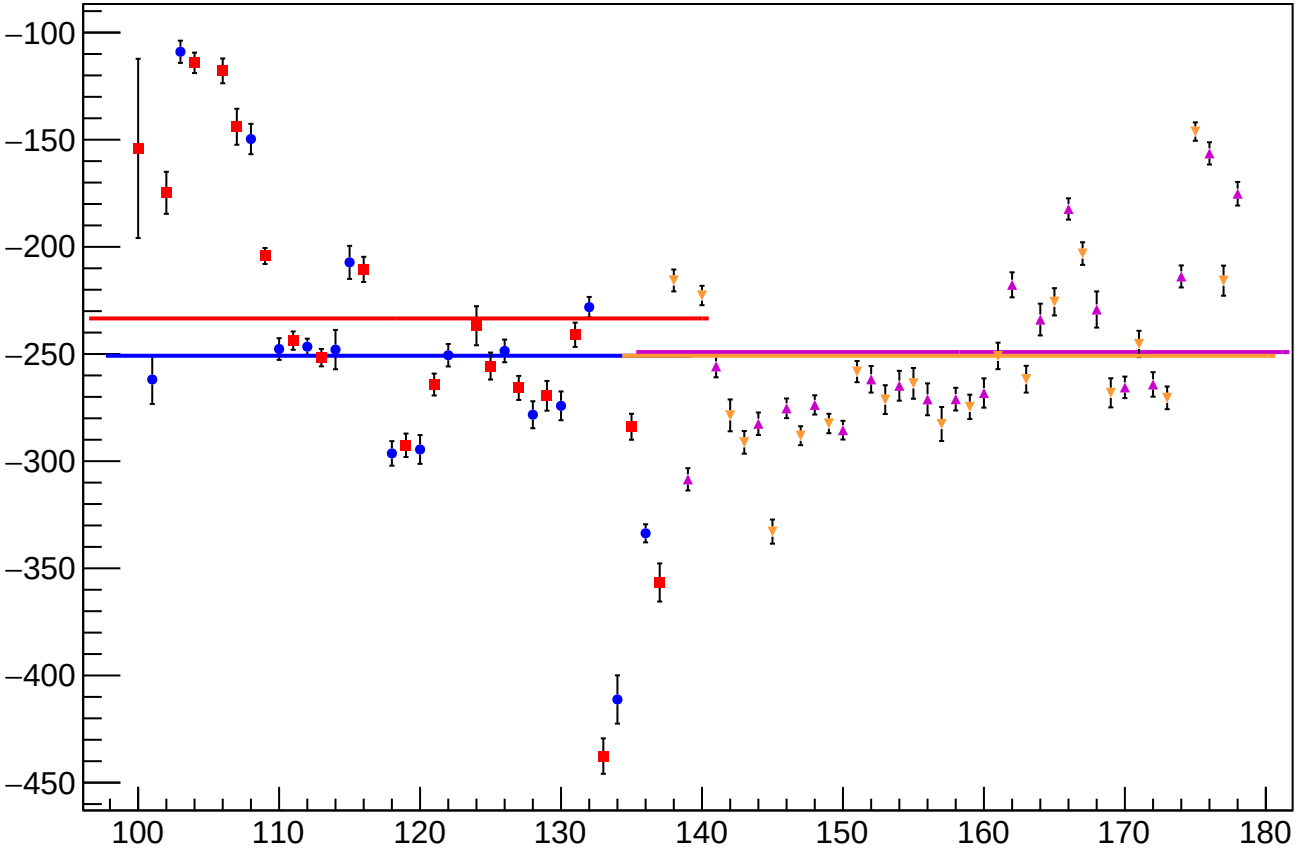
Left In: 127.036+/-0.043 χ^2/NDF:69726.5/19

\+ sign 114.666+/-0.036 χ^2/NDF: 881627.4/36

All: 115.018+/-0.025 χ^2/NDF: 1579071.3/75

\- sign 115.364+/-0.036 χ^2/NDF: 697255.0/38

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -250.825+/-1.219 χ^2/NDF:1280.6/20

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

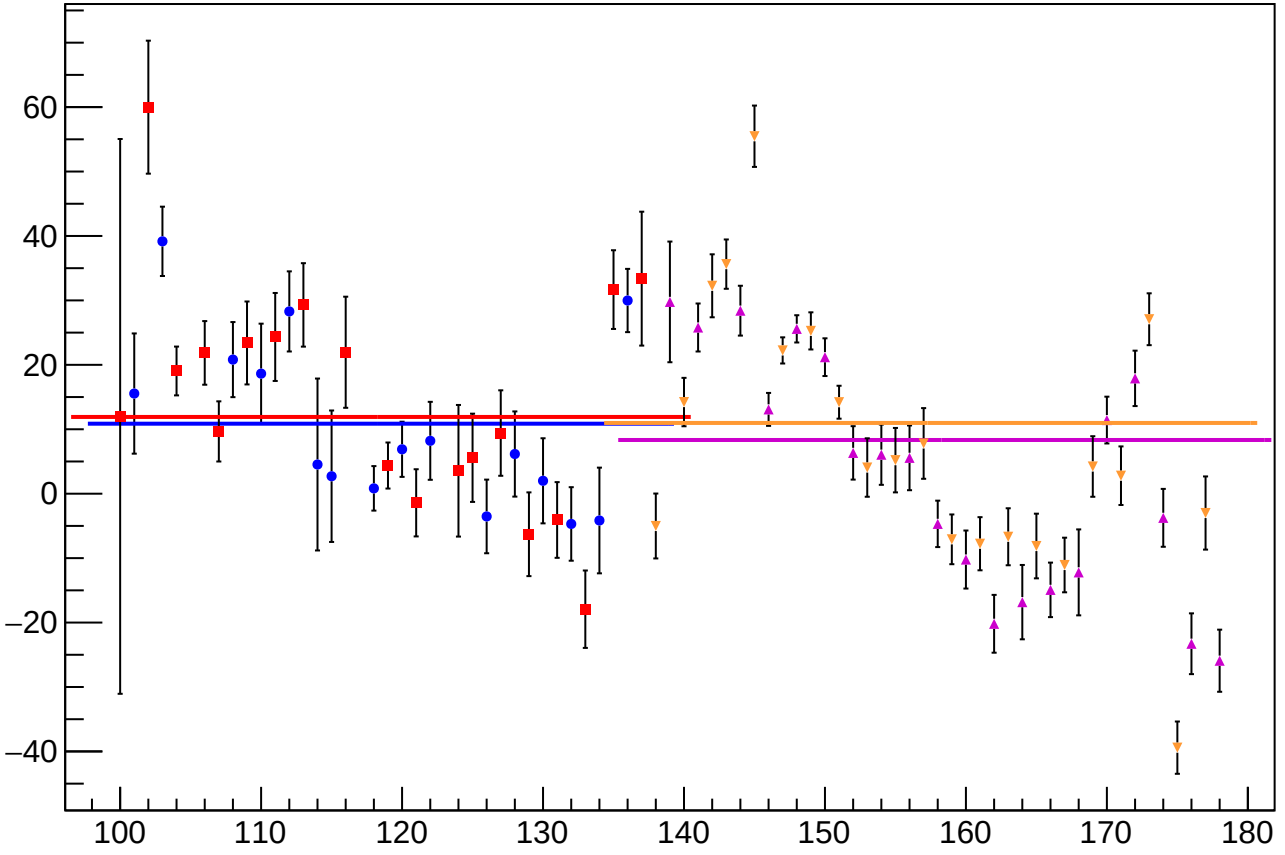
Left In: -249.103+/-1.228 χ^2/NDF:1131.3/19

+ sign -250.820+/-0.930 χ^2/NDF: 3016.2/36

All: -246.226+/-0.648 χ^2/NDF: 6648.5/75

- sign -241.896+/-0.903 χ^2/NDF: 3584.9/38

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 10.981+/-0.839 χ^2/NDF:501.2/20

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

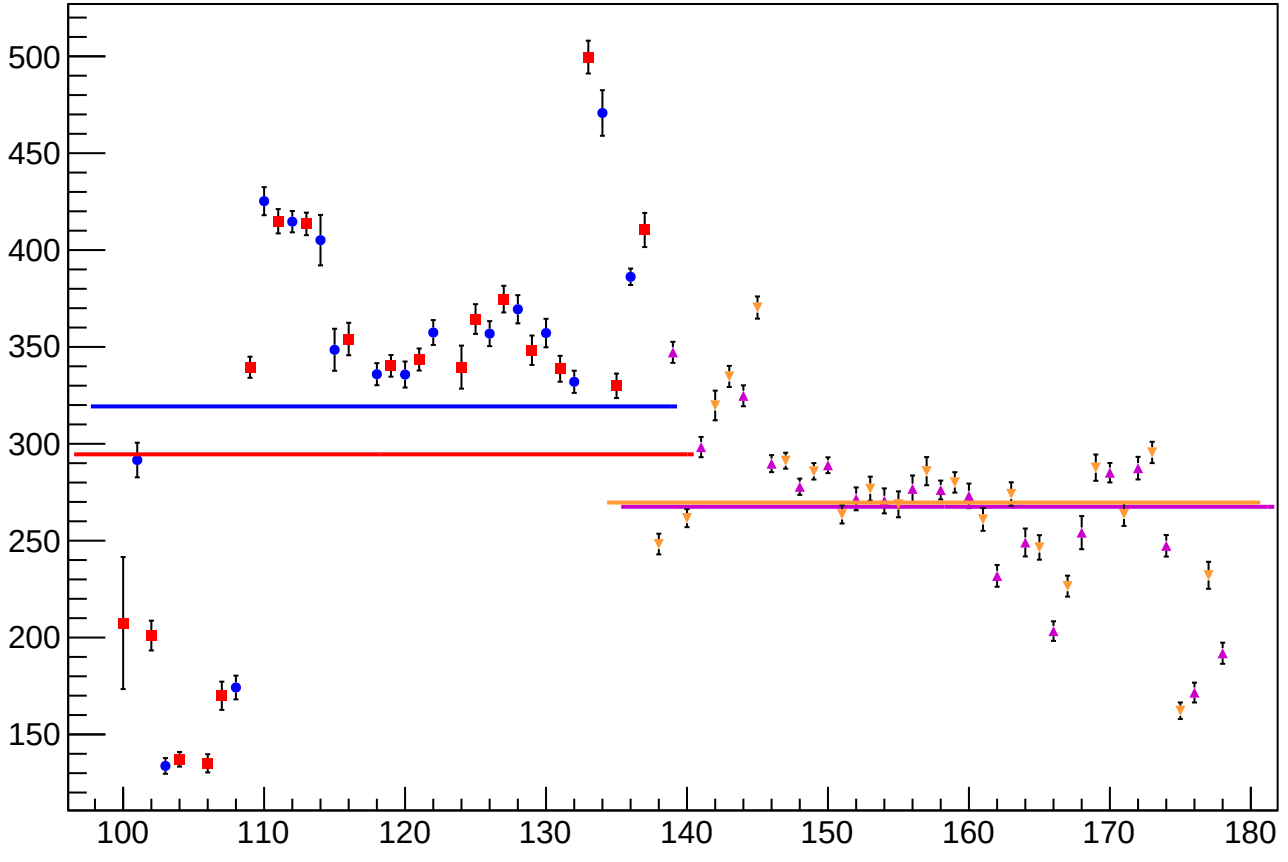
Left In: 8.336+/-0.864 χ^2/NDF:381.7/19

\+ sign 10.952+/-0.728 χ^2/NDF: 585.9/36

All: 10.157+/-0.516 χ^2/NDF: 1086.8/75

\- sign 9.356+/-0.731 χ^2/NDF: 498.5/38

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 269.676+/-1.197 χ^2/NDF:1337.8/20

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

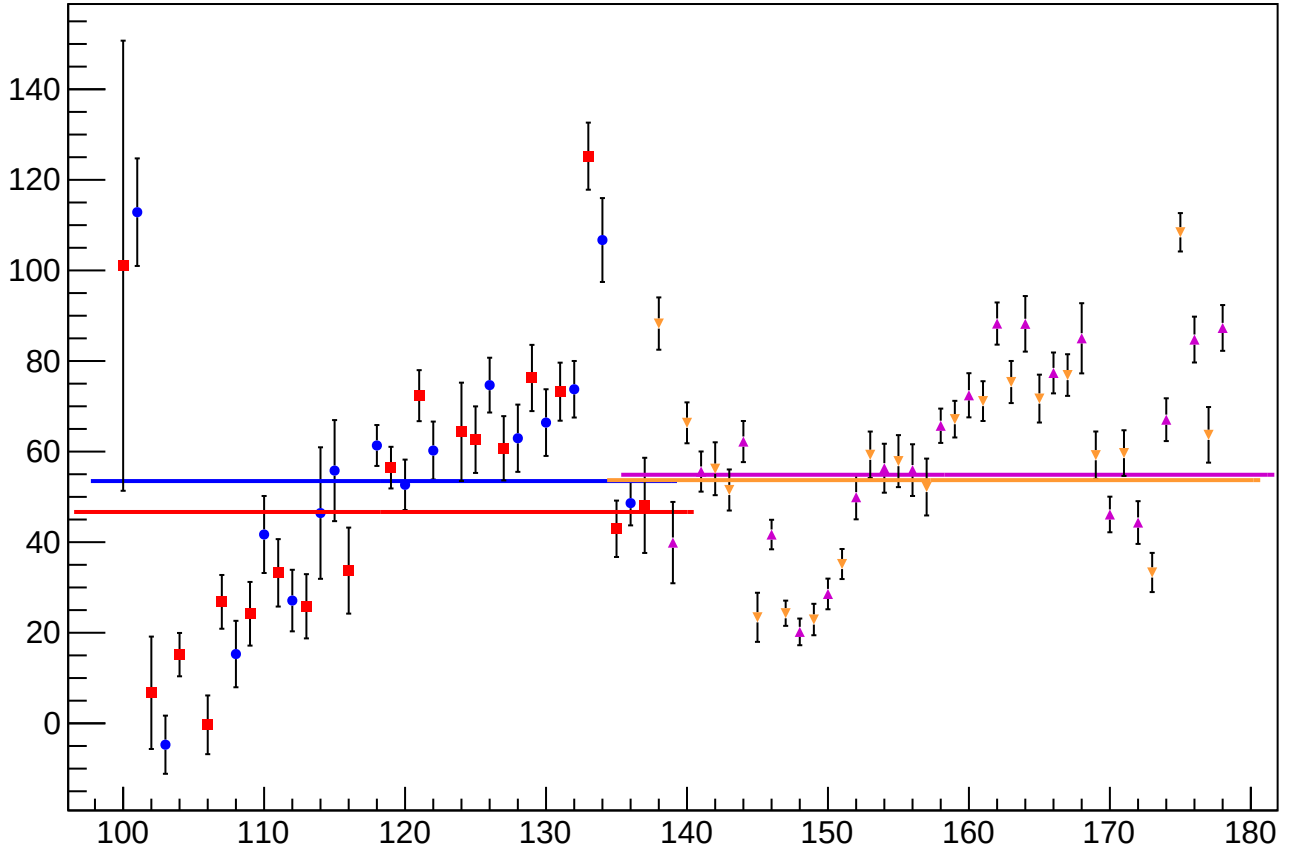
Left In: 267.477+/-1.203 χ^2/NDF:1217.9/19

+ sign 287.684+/-0.956 χ^2/NDF: 5754.2/36

All: 282.856+/-0.668 χ^2/NDF: 12726.6/75

- sign 278.244+/-0.934 χ^2/NDF: 6922.6/38

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 53.697+/-0.980 χ^2/NDF:578.0/20

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

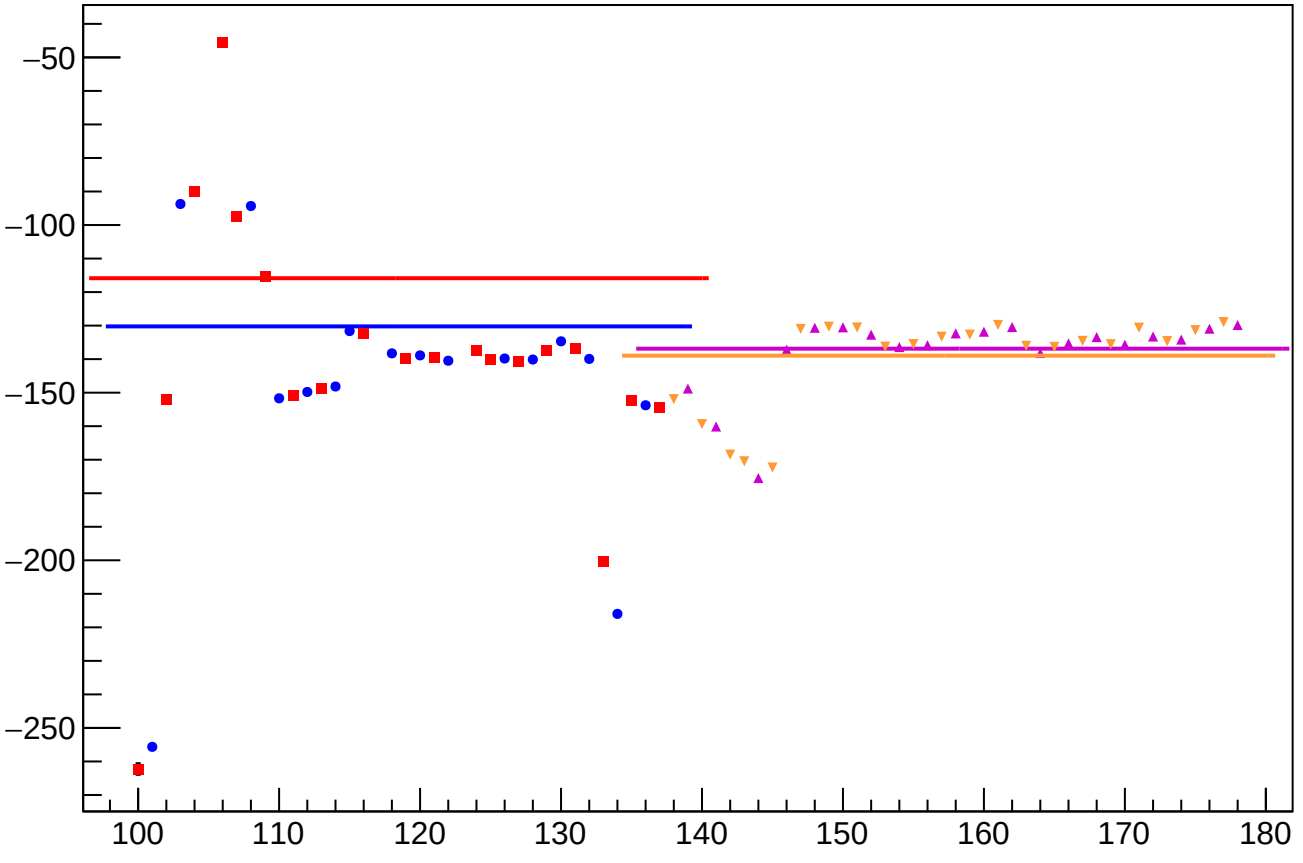
Left In: 54.885+/-1.001 χ^2/NDF:456.7/19

+ sign 53.646+/-0.849 χ^2/NDF: 795.2/36

All: 53.102+/-0.600 χ^2/NDF: 1597.5/75

- sign 52.560+/-0.848 χ^2/NDF: 801.4/38

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -130.236+/-0.091 χ^2/NDF: 174208.5/15

Left Out: -138.957+/-0.046 χ^2/NDF:79609.6/20

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

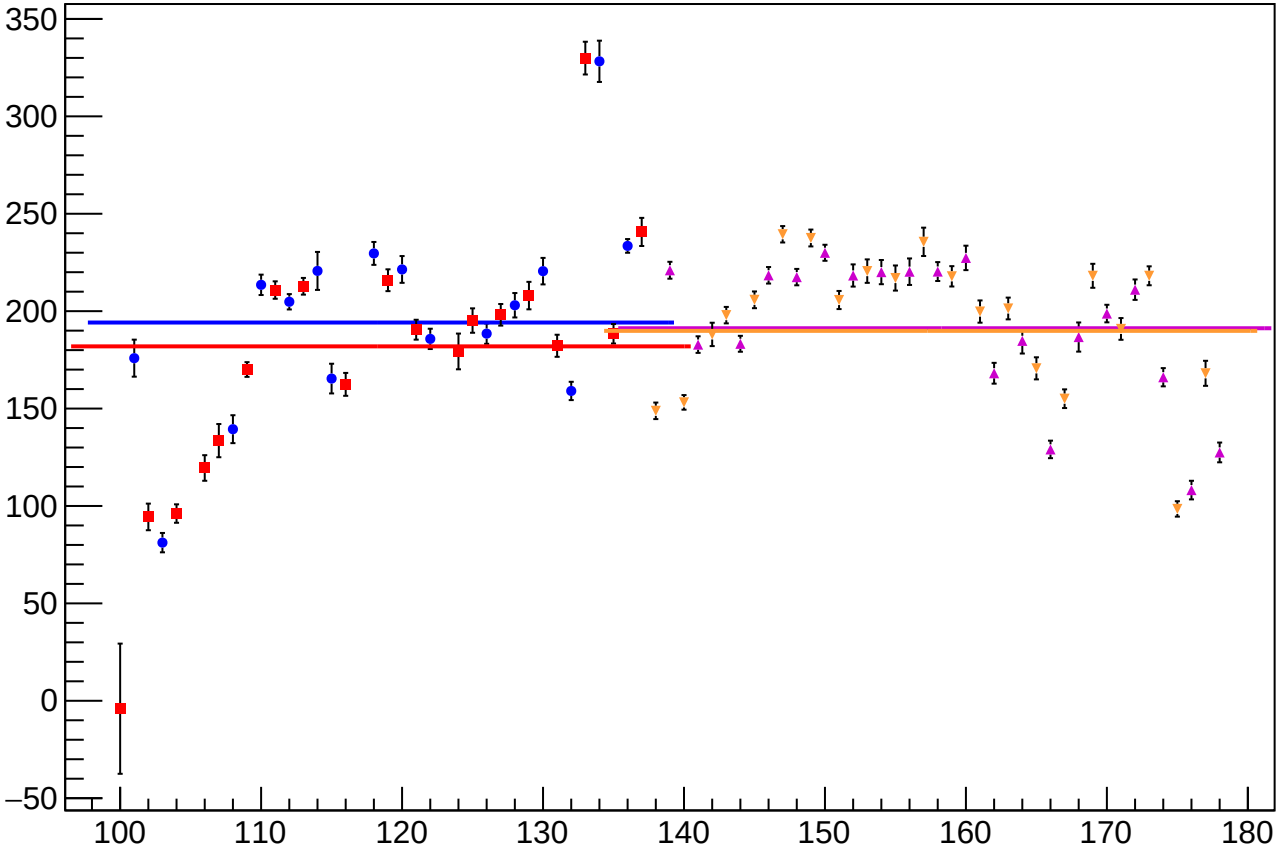
Left In: -136.879+/-0.046 χ^2/NDF:48711.1/19

+ sign -137.175+/-0.041 χ^2/NDF: 261112.3/36

All: -134.646+/-0.029 χ^2/NDF: 569877.8/75

- sign -132.211+/-0.040 χ^2/NDF: 301359.8/38

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 194.164+/-1.407 χ^2/NDF: 1035.2/15

Left Out: 189.891+/-1.082 χ^2/NDF:1262.2/20

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

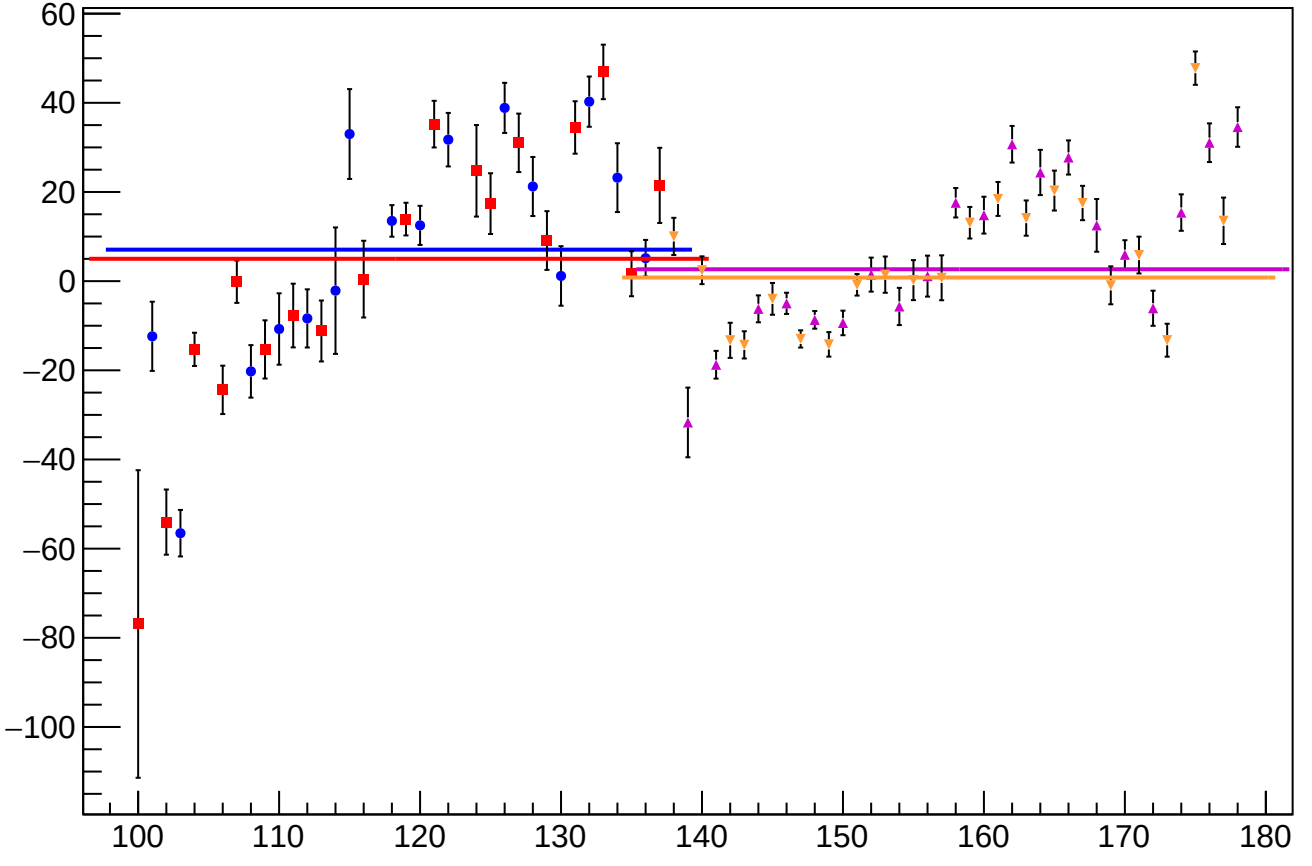
Left In: 191.229+/-1.101 χ^2/NDF:1072.5/19

+ sign 191.479+/-0.858 χ^2/NDF: 2303.2/36

All: 189.422+/-0.602 χ^2/NDF: 4621.1/75

- sign 187.421+/-0.846 χ^2/NDF: 2306.6/38

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 7.066+/-1.443 χ^2/NDF: 292.6/15

Left Out: 0.809+/-0.754 χ^2/NDF:387.5/20

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

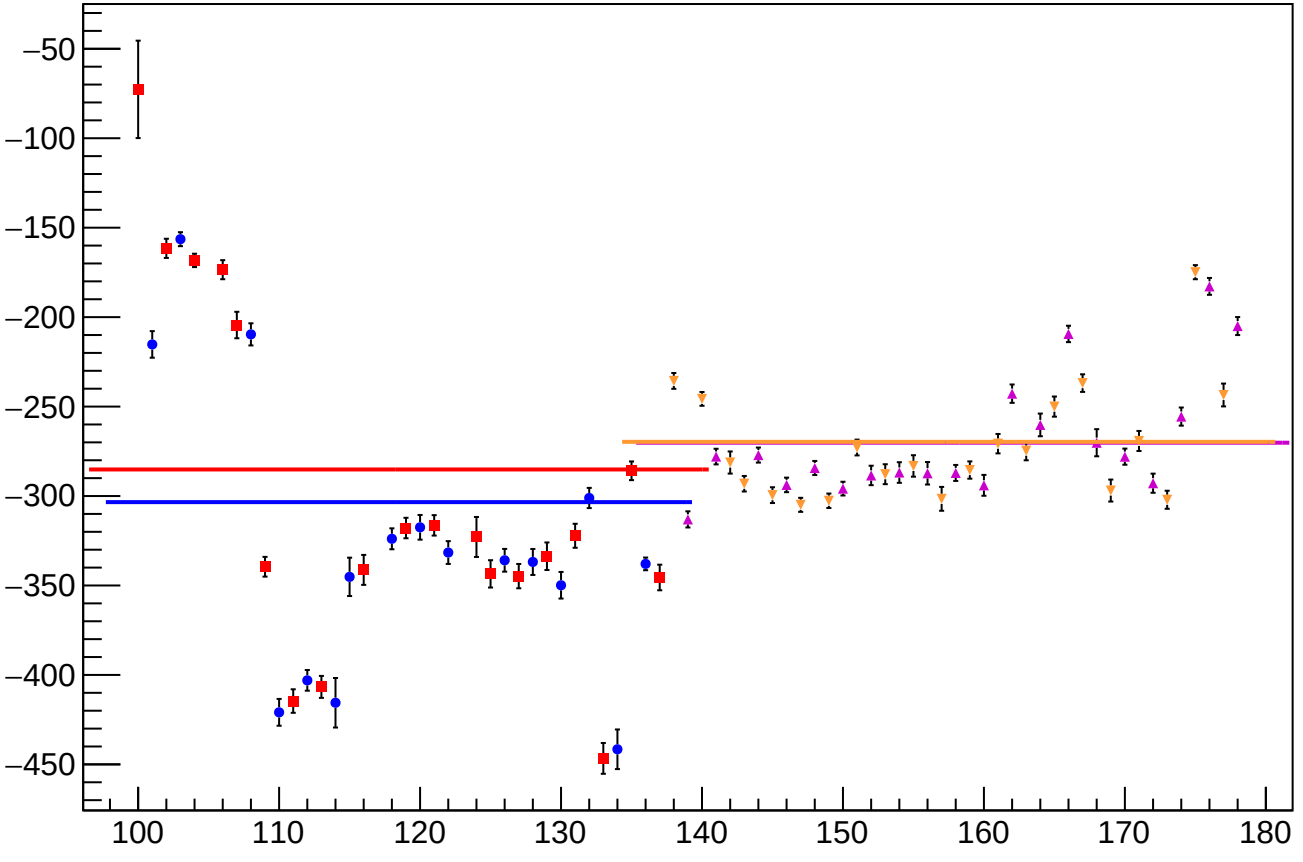
Left In: 2.664+/-0.783 χ^2/NDF:391.3/19

+ sign 2.153+/-0.669 χ^2/NDF: 694.8/36

All: 2.695+/-0.476 χ^2/NDF: 1378.3/75

- sign 3.253+/-0.678 χ^2/NDF: 682.1/38

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -269.706+/-1.066 χ^2/NDF:1086.0/20

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

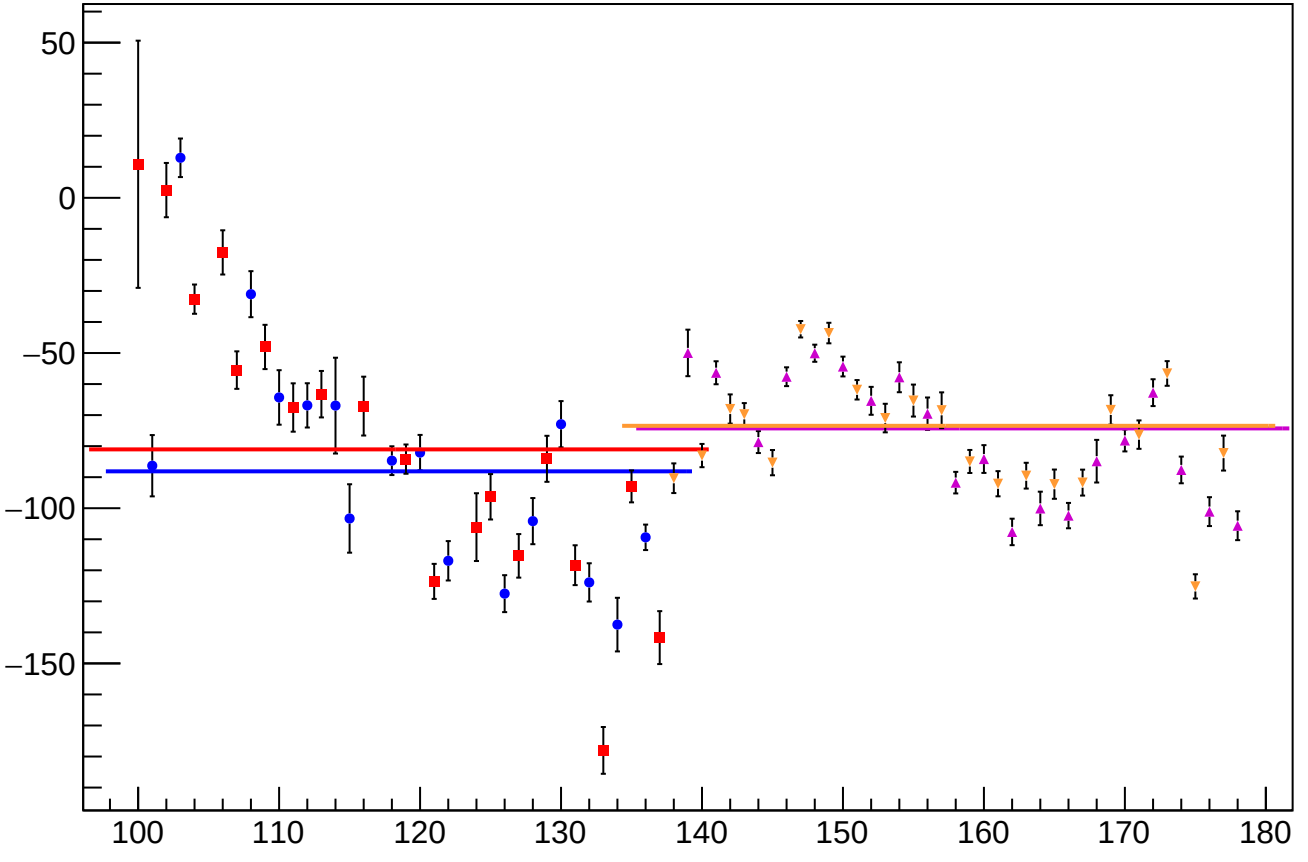
Left In: -270.193+/-1.081 χ^2/NDF:992.9/19

+ sign -280.726+/-0.875 χ^2/NDF: 4198.0/36

All: -278.106+/-0.616 χ^2/NDF: 9031.8/75

- sign -275.534+/-0.867 χ^2/NDF: 4816.0/38

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -73.454+/-0.879 χ^2/NDF:544.3/20

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

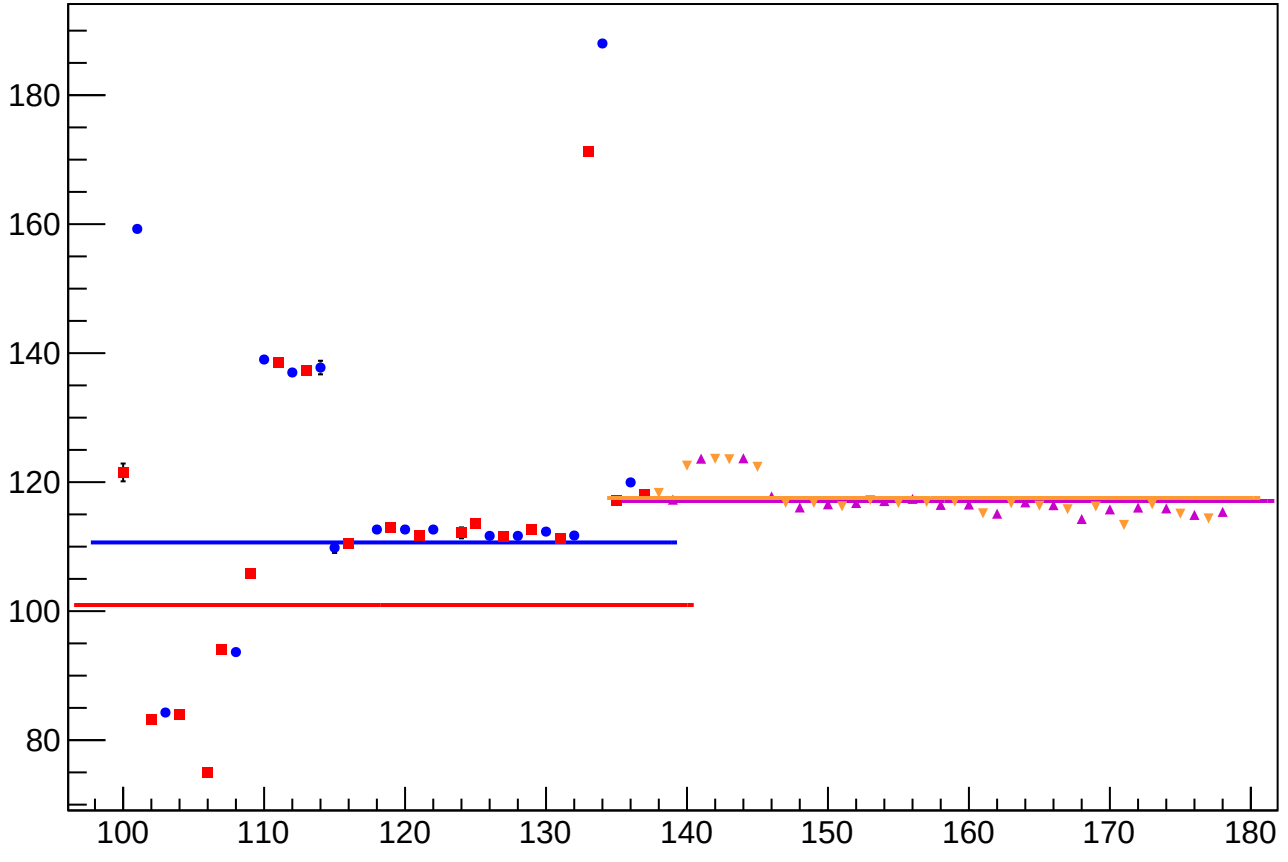
Left In: -74.290+/-0.905 χ^2/NDF:458.7/19

+ sign -76.682+/-0.776 χ^2/NDF: 1117.4/36

All: -76.332+/-0.552 χ^2/NDF: 2268.0/75

- sign -75.976+/-0.784 χ^2/NDF: 1150.2/38

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 117.544+/-0.041 χ^2/NDF:4654.9/20

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

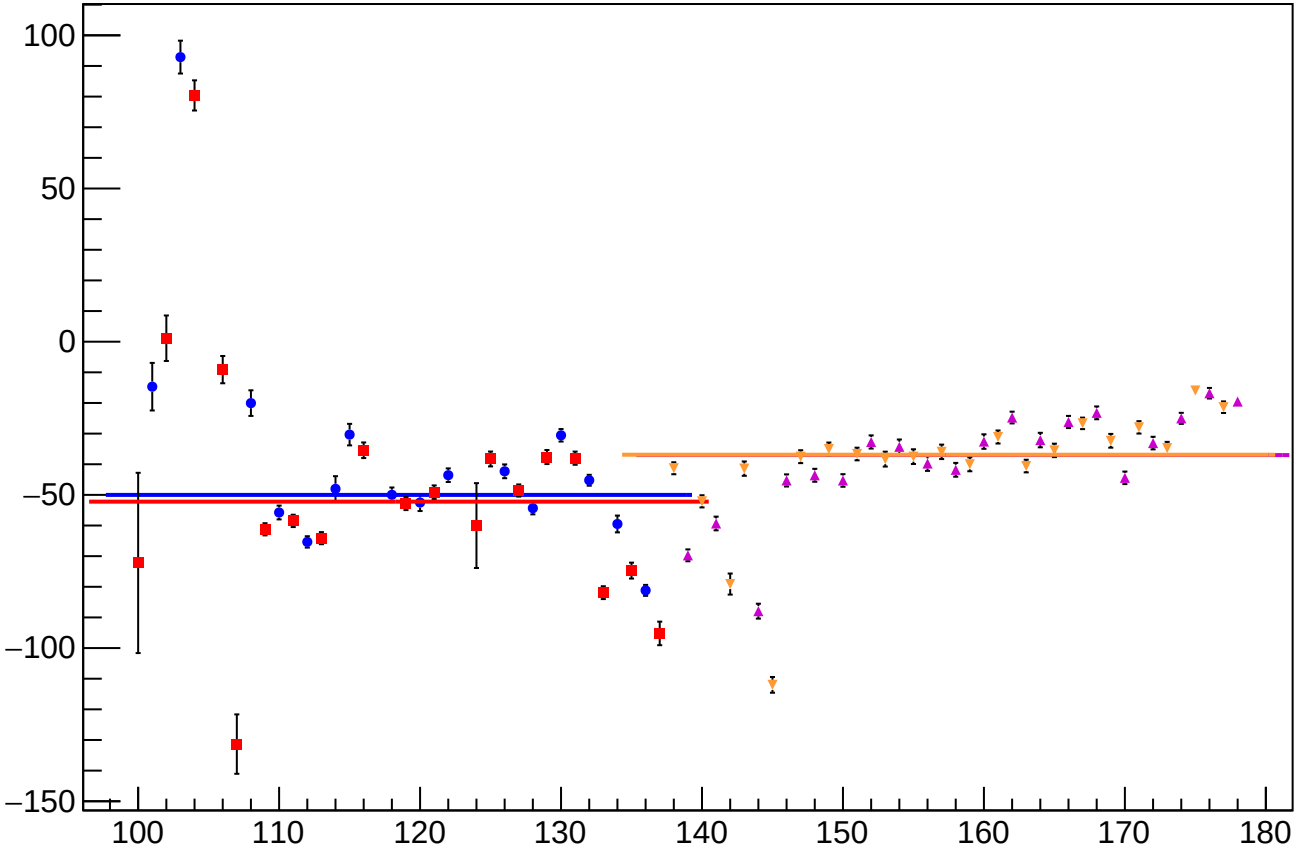
Left In: 117.079+/-0.041 χ^2/NDF:3230.4/19

+ sign 116.253+/-0.037 χ^2/NDF: 93419.5/36

All: 114.993+/-0.026 χ^2/NDF: 192448.6/75

- sign 113.760+/-0.037 χ^2/NDF: 96751.1/38

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -36.889+/-0.461 χ^2/NDF:1410.0/20

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

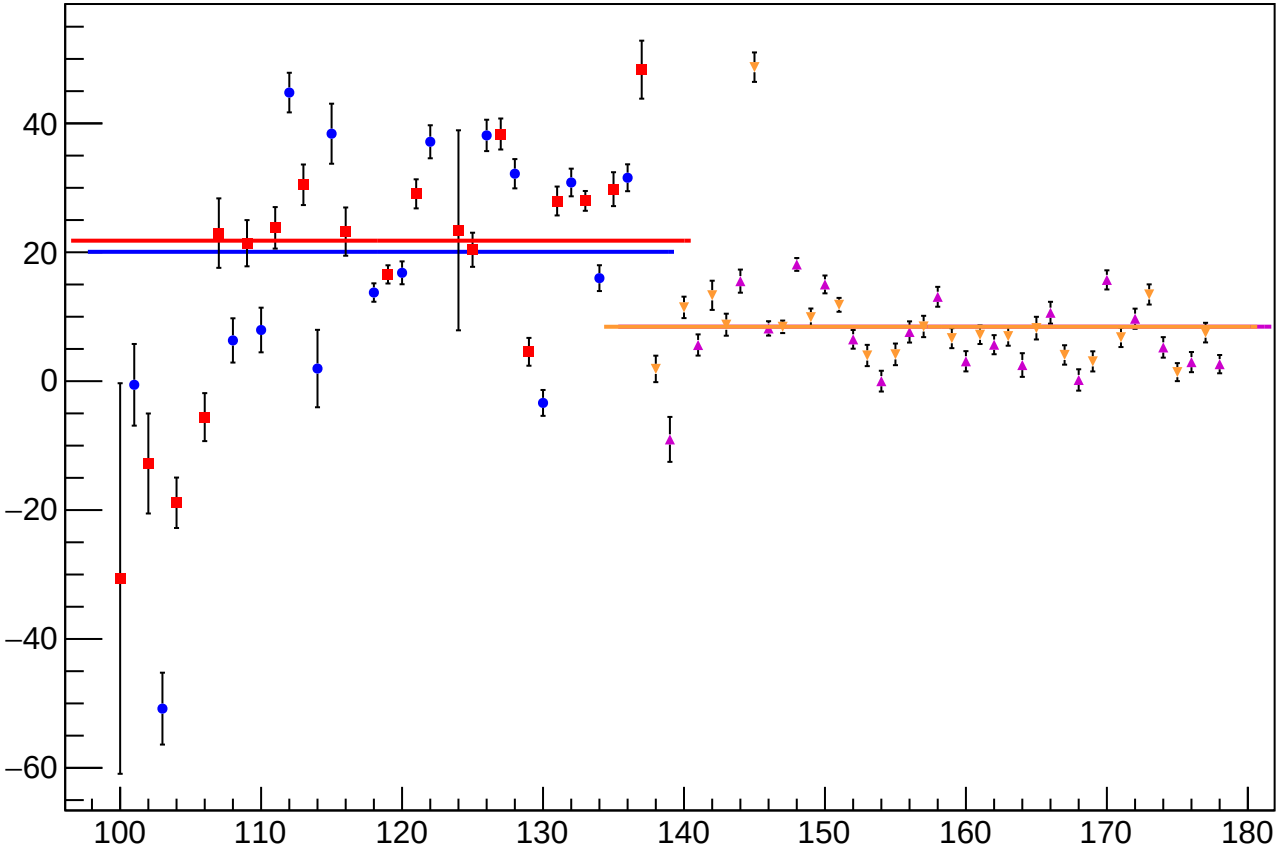
Left In: -37.008+/-0.460 χ^2/NDF:1315.2/19

+ sign -41.664+/-0.368 χ^2/NDF: 3031.5/36

All: -42.122+/-0.260 χ^2/NDF: 6320.0/75

- sign -42.576+/-0.366 χ^2/NDF: 3285.4/38

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 8.444+/-0.330 χ^2/NDF:414.1/20

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

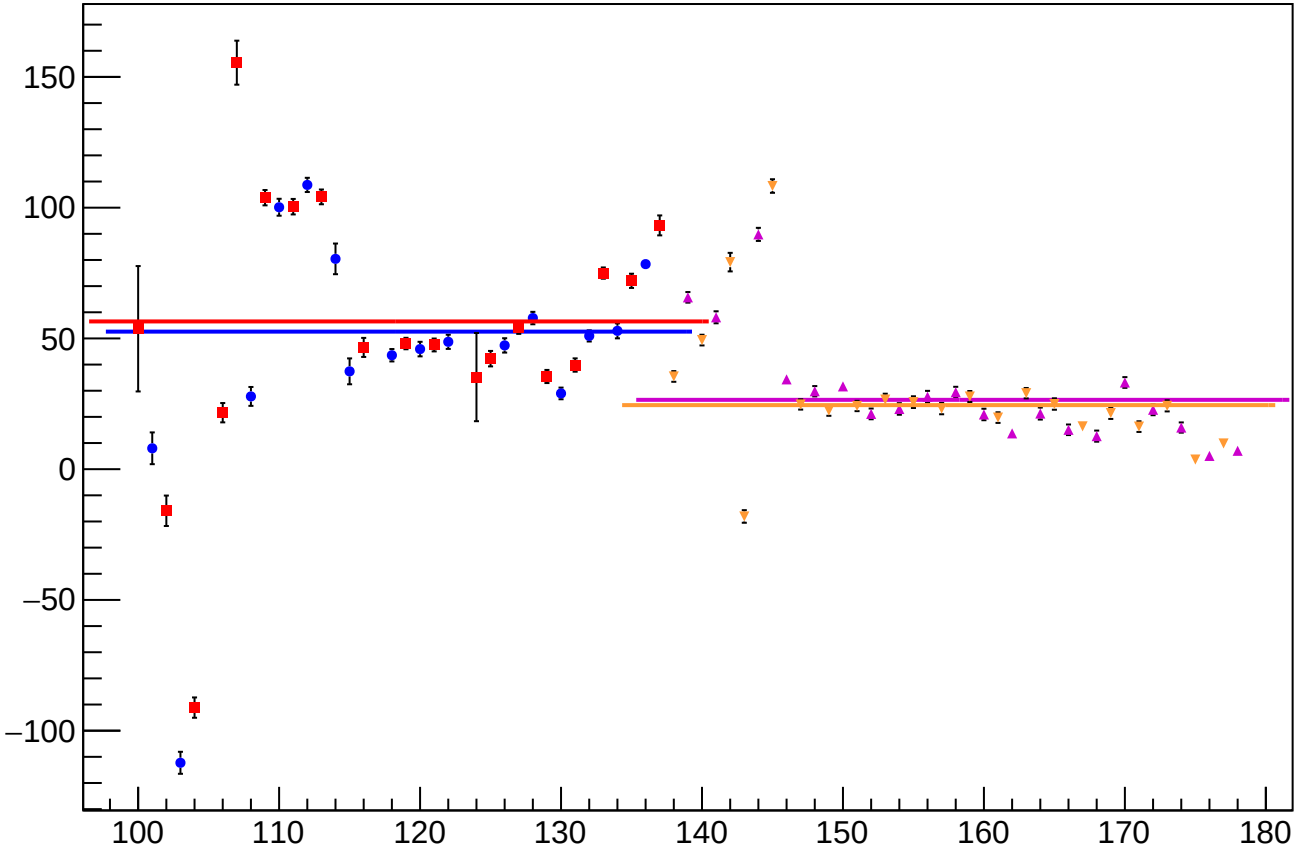
Left In: 8.457+/-0.338 χ^2/NDF:308.5/19

\+ sign 11.058+/-0.290 χ^2/NDF: 1330.2/36

All: 11.271+/-0.207 χ^2/NDF: 2391.6/75

\- sign 11.492+/-0.297 χ^2/NDF: 1060.3/38

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 24.494+/-0.453 χ^2/NDF:2082.9/20

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

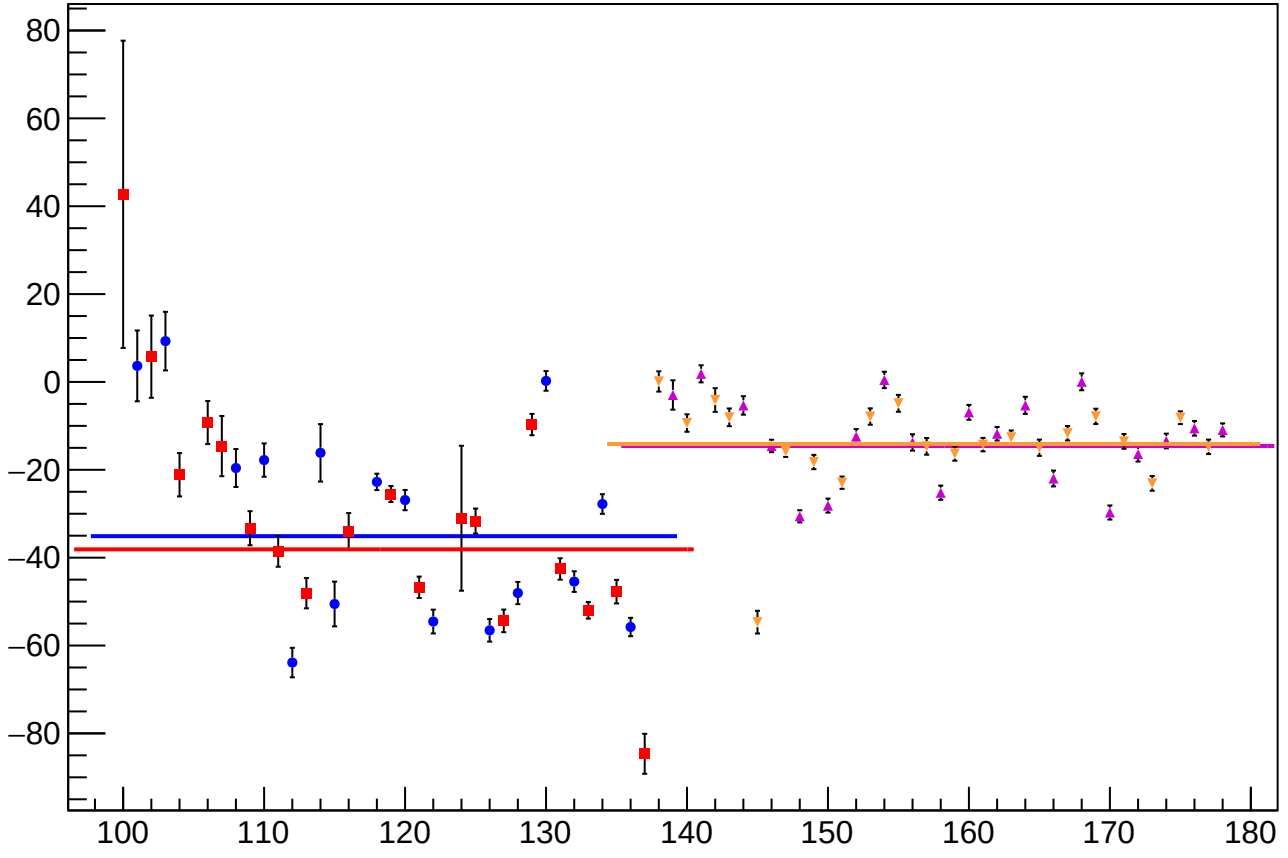
Left In: 26.518+/-0.452 χ^2/NDF:1728.2/19

+ sign 32.858+/-0.380 χ^2/NDF: 5887.1/36

All: 34.049+/-0.269 χ^2/NDF: 11881.0/75

- sign 35.244+/-0.381 χ^2/NDF: 5974.2/38

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -35.104+/-0.700 χ^2/NDF: 773.2/15

Left Out: -14.132+/-0.377 χ^2/NDF:458.5/20

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

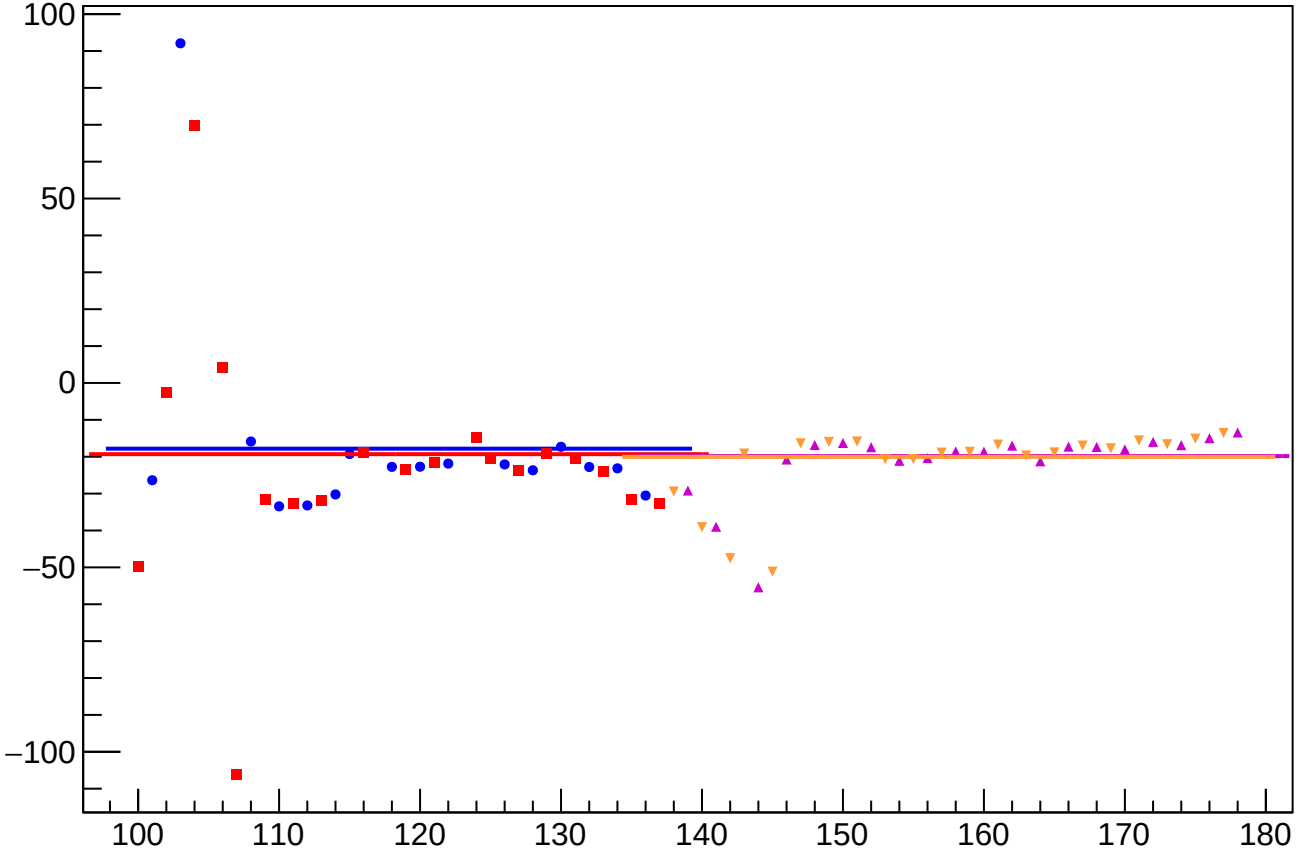
Left In: -14.576+/-0.384 χ^2/NDF:640.6/19

+ sign -18.851+/-0.332 χ^2/NDF: 1927.2/36

All: -19.343+/-0.237 χ^2/NDF: 3929.9/75

- sign -19.853+/-0.338 χ^2/NDF: 1998.2/38

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -20.025+/-0.017 χ^2/NDF:219895.8/20

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

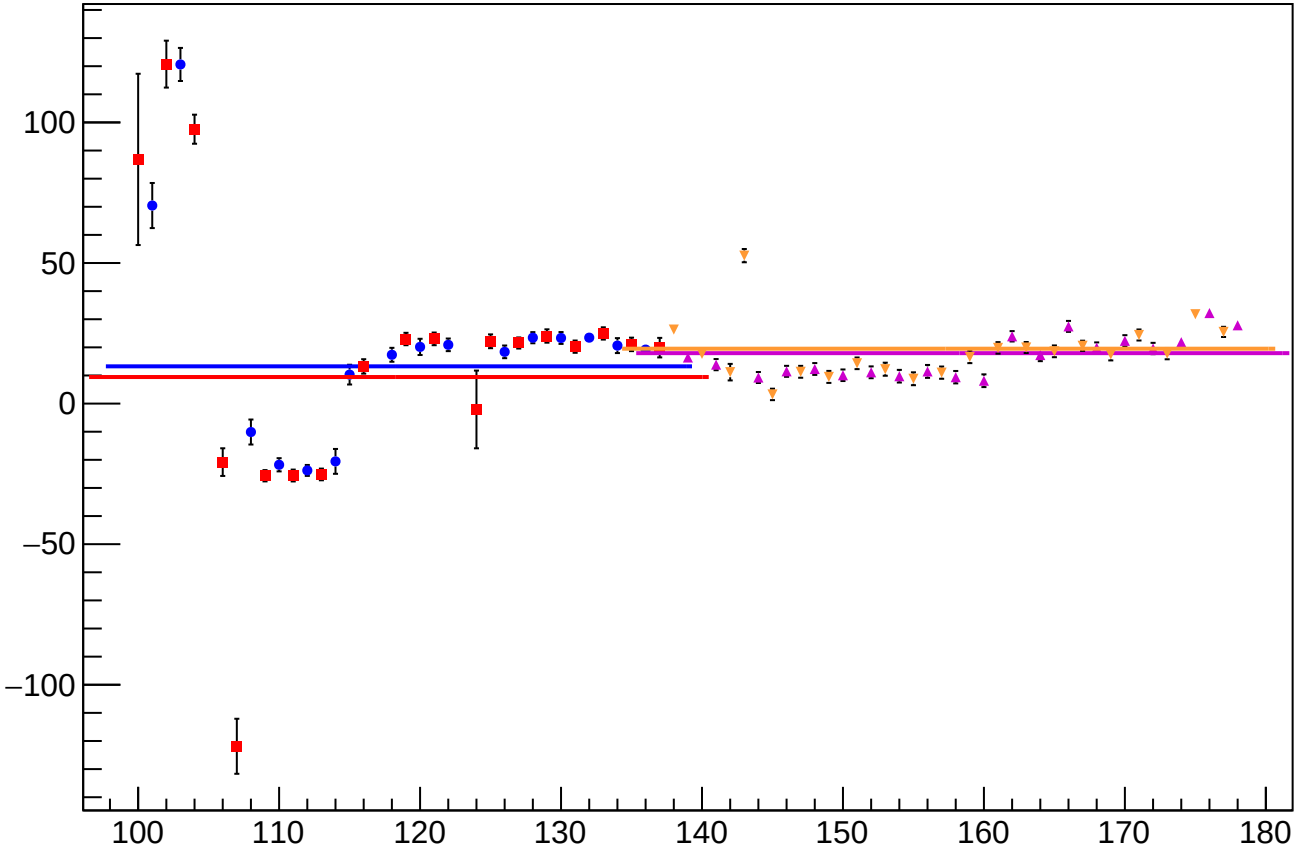
Left In: -19.830+/-0.017 χ^2/NDF:187008.4/19

+ sign -19.727+/-0.016 χ^2/NDF: 648258.2/36

All: -19.747+/-0.011 χ^2/NDF: 1180008.2/75

- sign -19.768+/-0.016 χ^2/NDF: 531746.8/38

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 19.526+/-0.439 χ^2/NDF:468.4/20

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

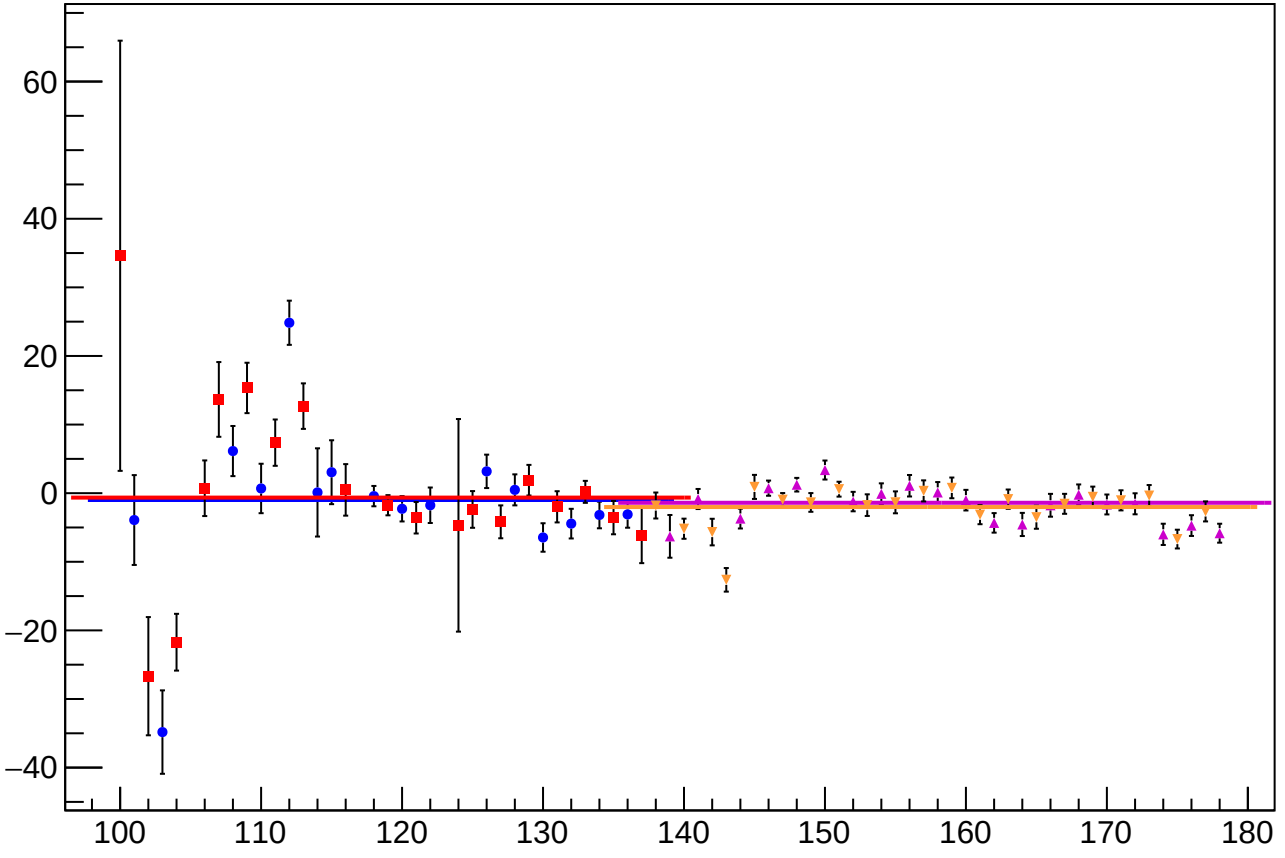
Left In: 17.939+/-0.437 χ^2/NDF:282.4/19

+ sign 17.404+/-0.357 χ^2/NDF: 1719.8/36

All: 16.243+/-0.252 χ^2/NDF: 3986.4/75

- sign 15.090+/-0.356 χ^2/NDF: 2245.6/38

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -2.021+/-0.317 χ^2/NDF:78.9/20

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

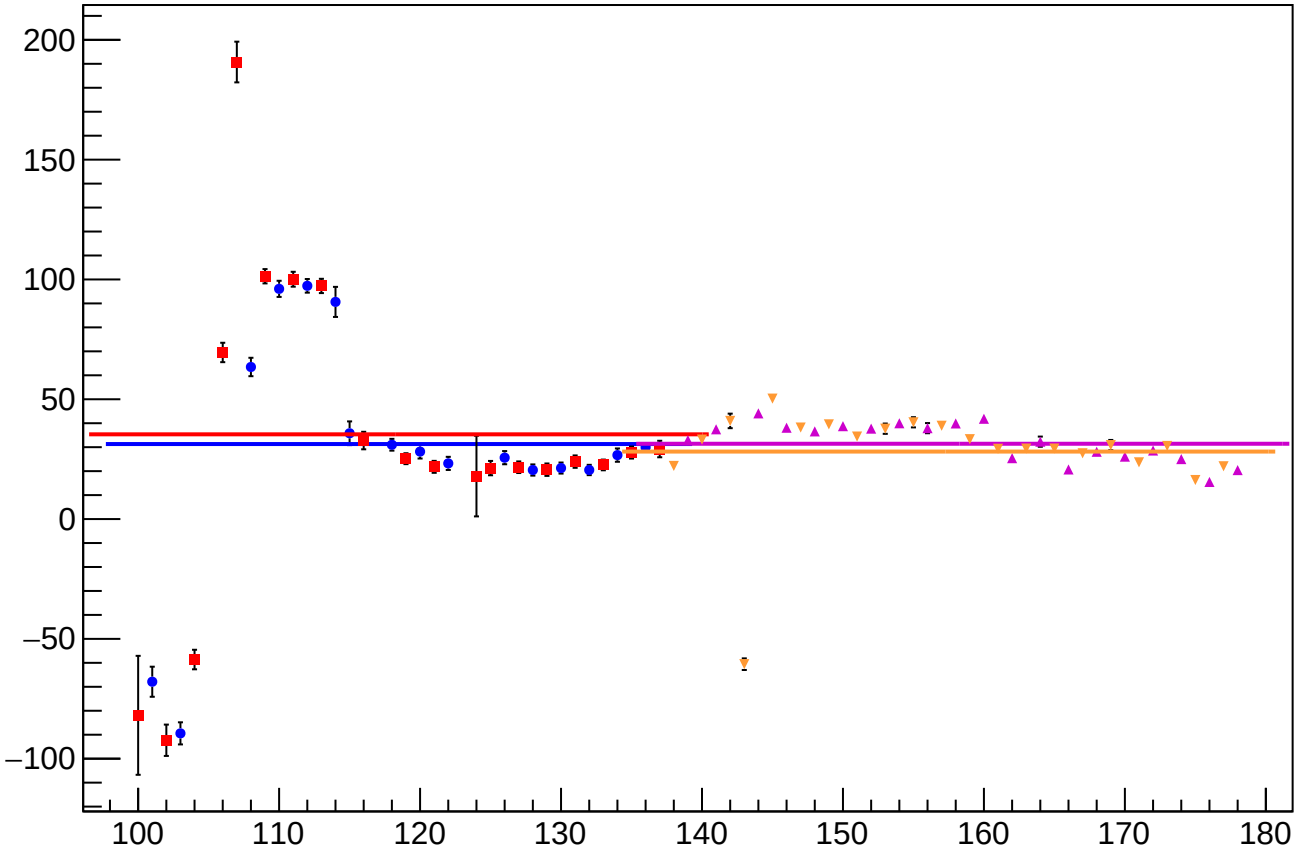
Left In: -1.400+/-0.324 χ^2/NDF:64.5/19

\+ sign -1.808+/-0.282 χ^2/NDF: 197.5/36

All: -1.532+/-0.202 χ^2/NDF: 359.3/75

\- sign -1.244+/-0.288 χ^2/NDF: 159.9/38

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 28.170+/-0.432 χ^2/NDF:1731.8/20

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

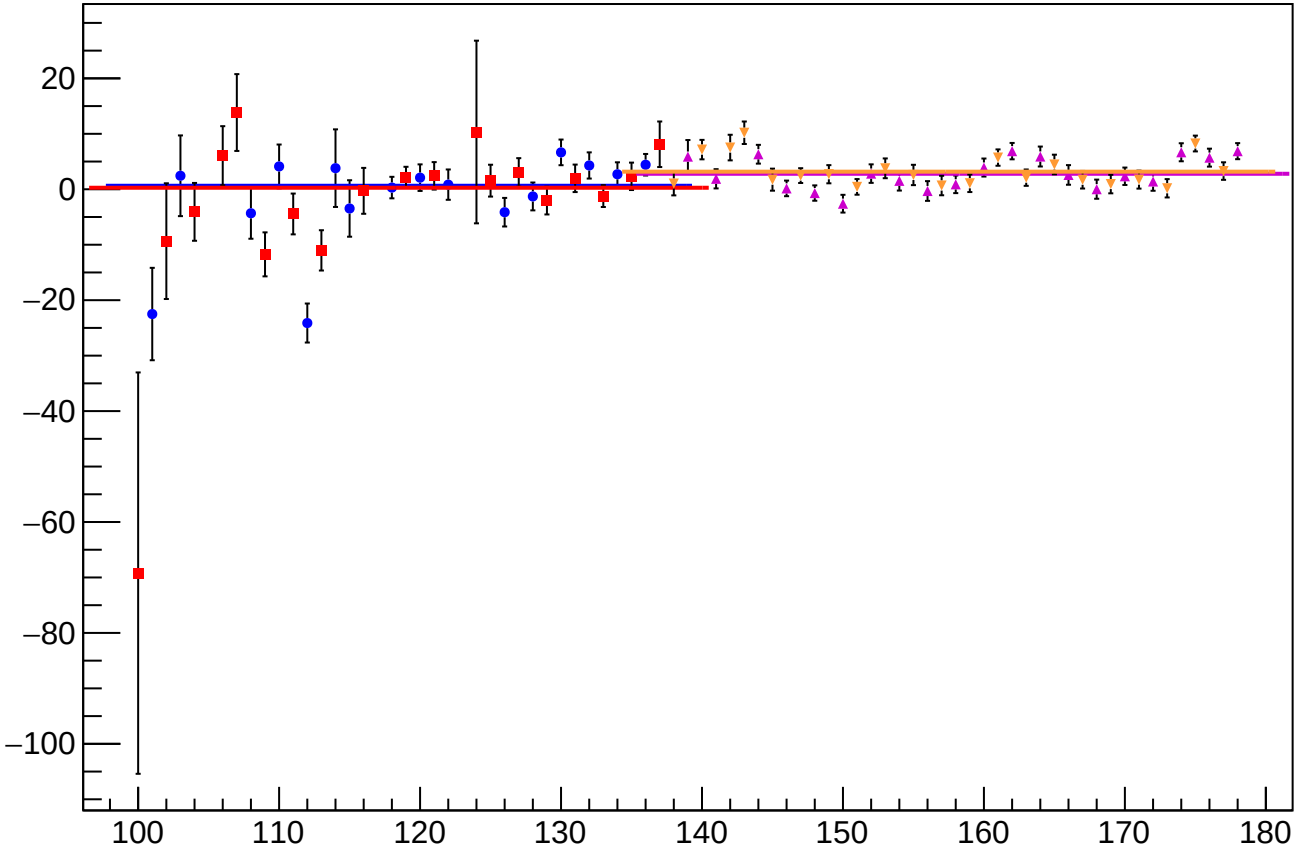
Left In: 31.432+/-0.430 χ^2/NDF:370.0/19

\+ sign 29.036+/-0.368 χ^2/NDF: 3832.3/36

All: 30.749+/-0.261 χ^2/NDF: 7165.6/75

\- sign 32.473+/-0.369 χ^2/NDF: 3289.8/38

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 3.175+/-0.362 χ^2/NDF:53.8/20

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

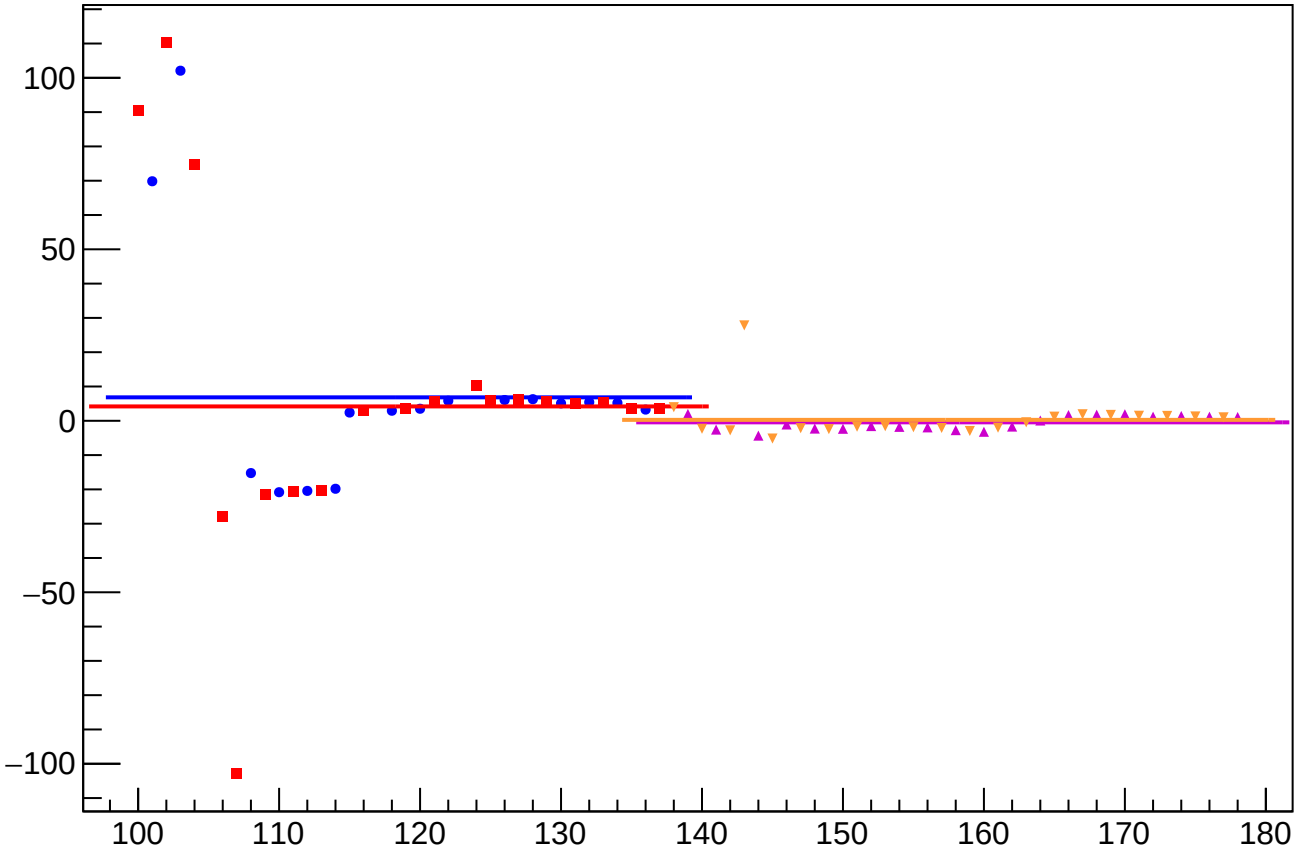
Left In: 2.794+/-0.367 χ^2/NDF:63.3/19

\+ sign 2.644+/-0.322 χ^2/NDF: 142.5/36

All: 2.466+/-0.230 χ^2/NDF: 256.5/75

\- sign 2.280+/-0.328 χ^2/NDF: 113.3/38

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: 0.269+/-0.016 χ^2/NDF:93972.4/20

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

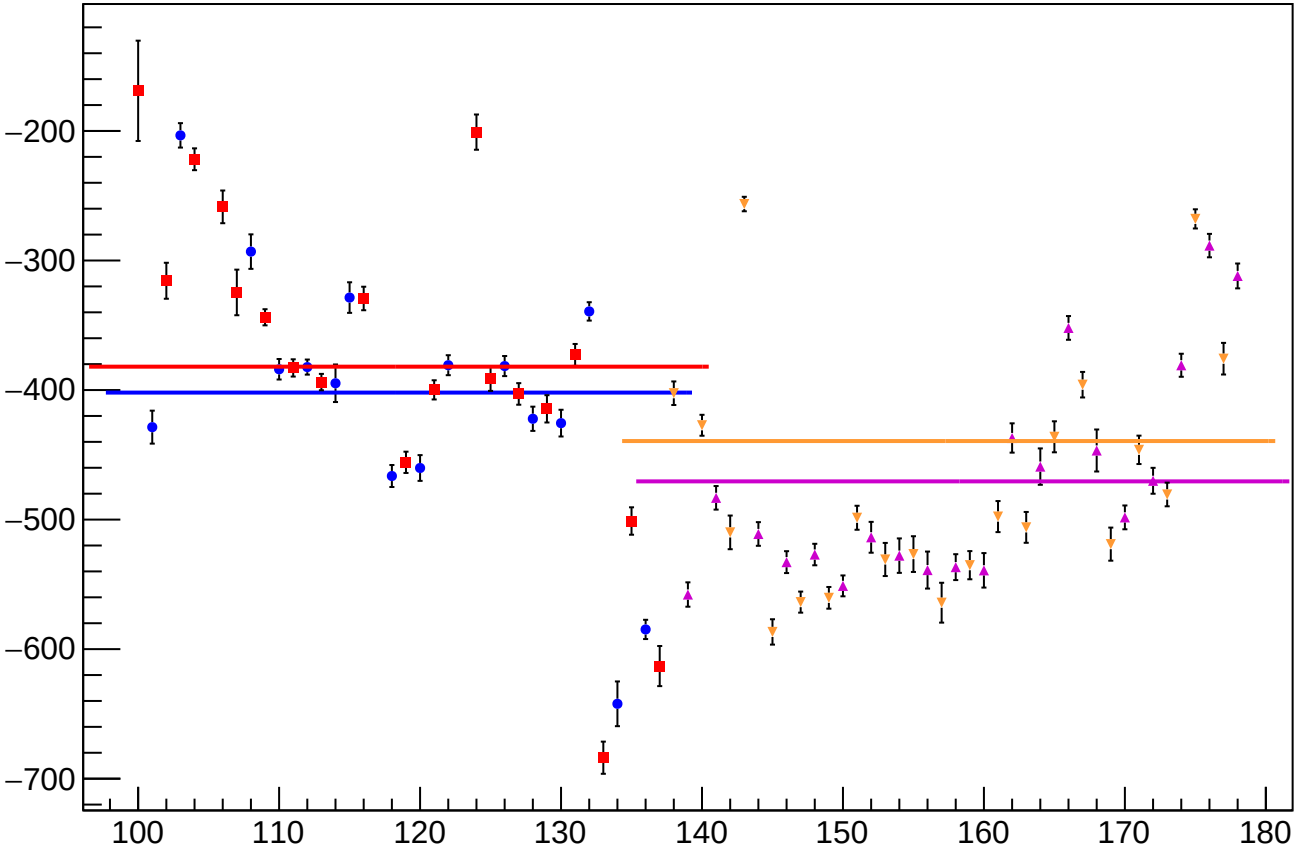
Left In: -0.453+/-0.016 χ^2/NDF:14433.7/19

+ sign 1.098+/-0.015 χ^2/NDF: 435465.3/36

All: 0.576+/-0.011 χ^2/NDF: 895772.1/75

- sign 0.051+/-0.015 χ^2/NDF: 457946.0/38

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -439.367+/-2.115 χ^2/NDF:2763.1/20

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

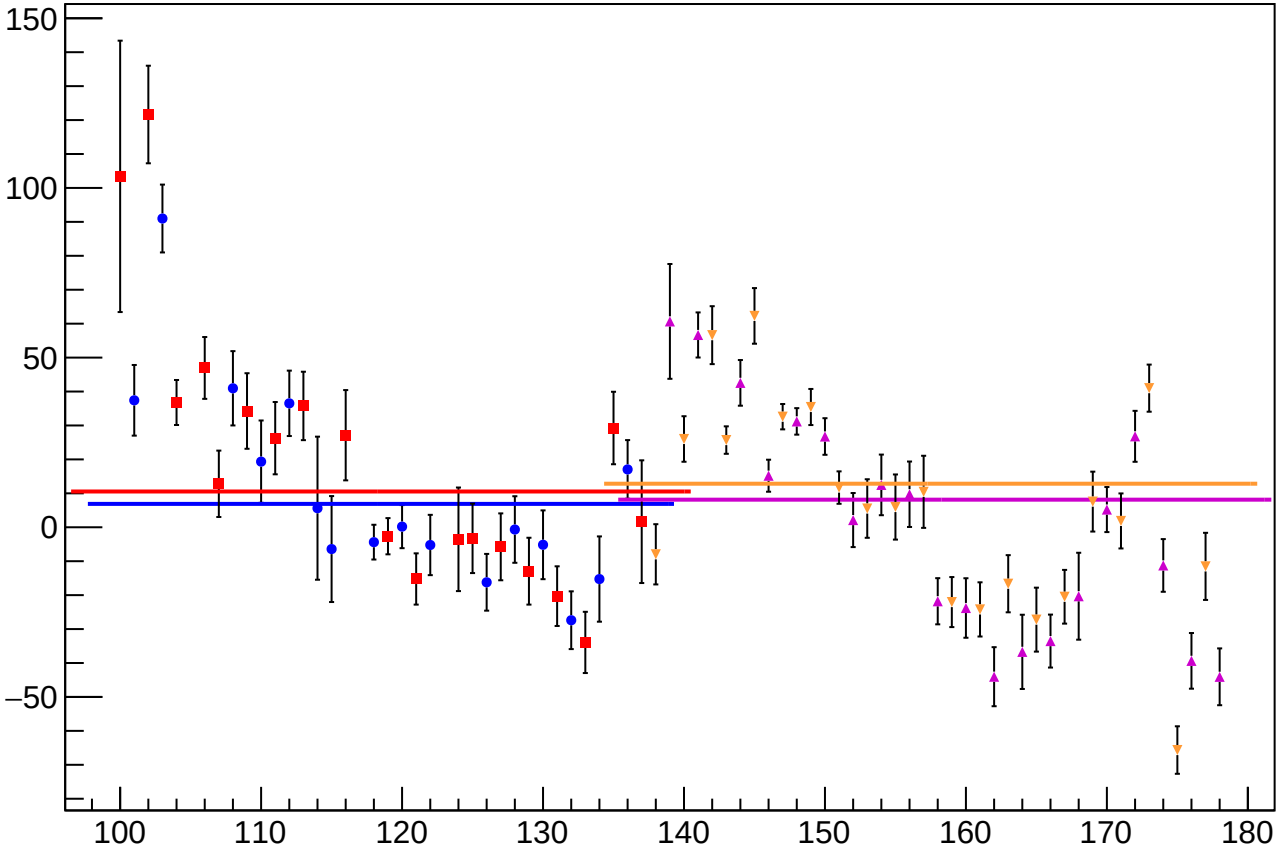
Left In: -470.496+/-2.243 χ^2/NDF:1402.2/19

+ sign -421.704+/-1.537 χ^2/NDF: 4474.0/36

All: -422.759+/-1.089 χ^2/NDF: 8516.1/75

- sign -423.822+/-1.542 χ^2/NDF: 4041.2/38

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

Left Out: 12.836+/-1.469 χ^2/NDF:371.9/20

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

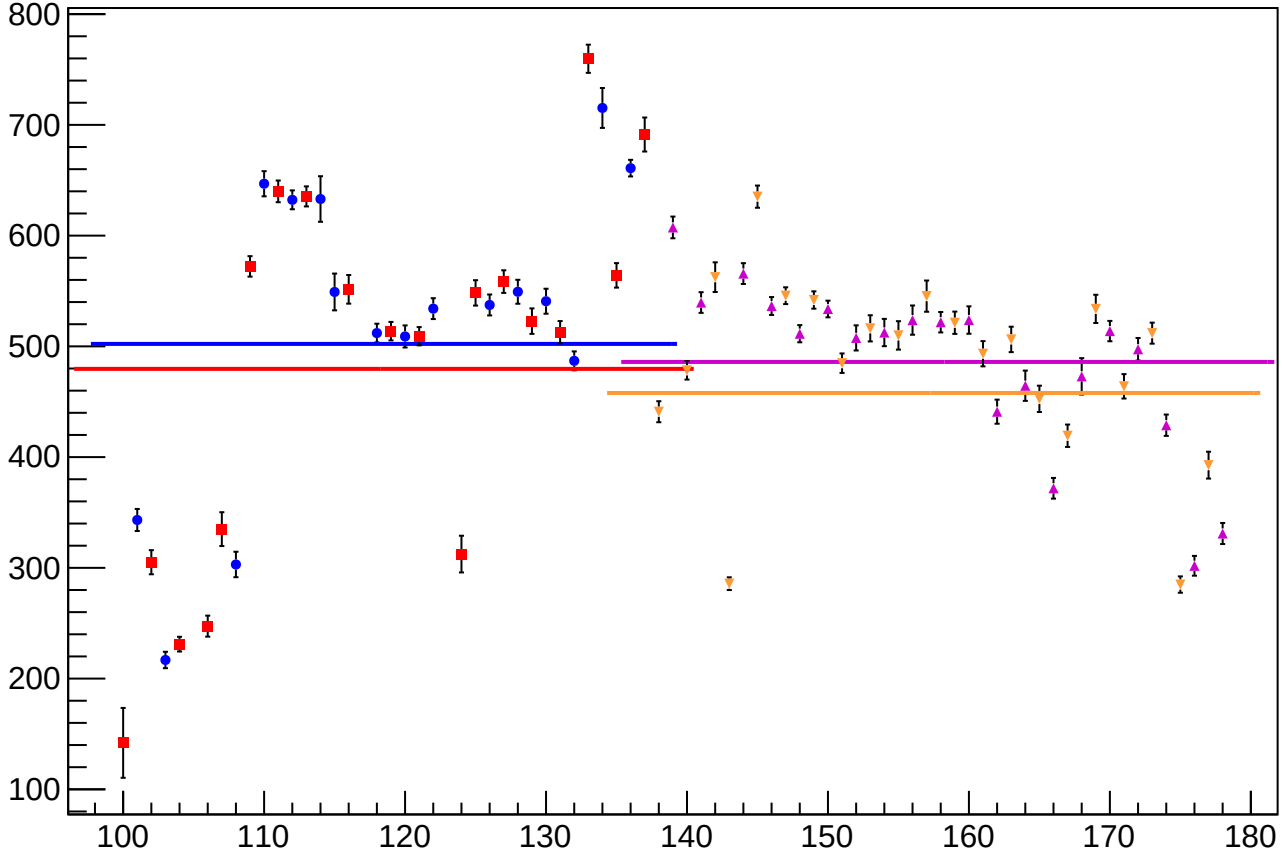
Left In: 8.133+/-1.587 χ^2/NDF:342.9/19

+ sign 11.075+/-1.232 χ^2/NDF: 515.2/36

All: 10.063+/-0.890 χ^2/NDF: 1040.3/75

- sign 8.960+/-1.287 χ^2/NDF: 523.7/38

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 457.937+/-2.090 χ^2/NDF:2348.0/20

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

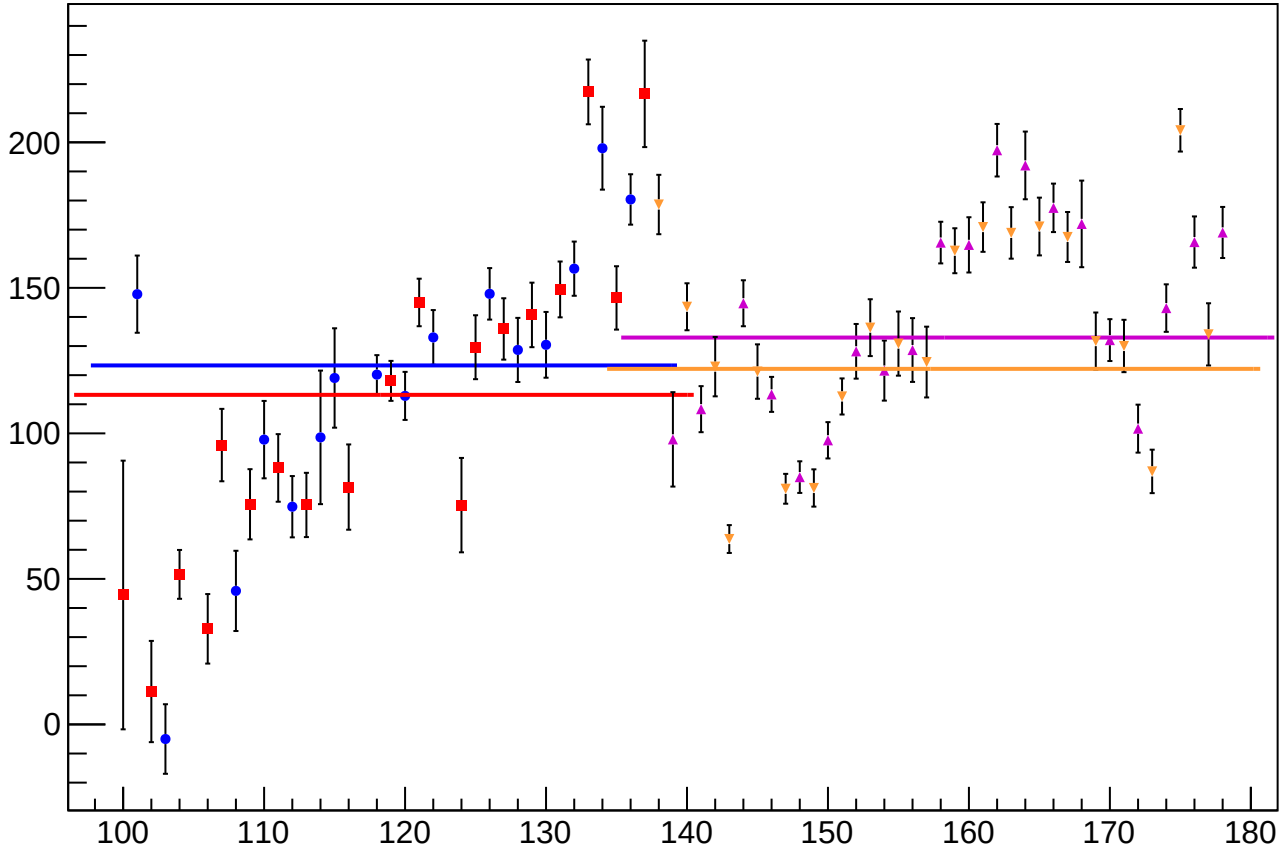
Left In: 485.944+/-2.203 χ^2/NDF:1295.3/19

\+ sign 476.209+/-1.601 χ^2/NDF: 5668.5/36

All: 479.598+/-1.140 χ^2/NDF: 11115.1/75

\- sign 483.078+/-1.623 χ^2/NDF: 5437.6/38

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 122.168+/-1.718 χ^2/NDF:588.6/20

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

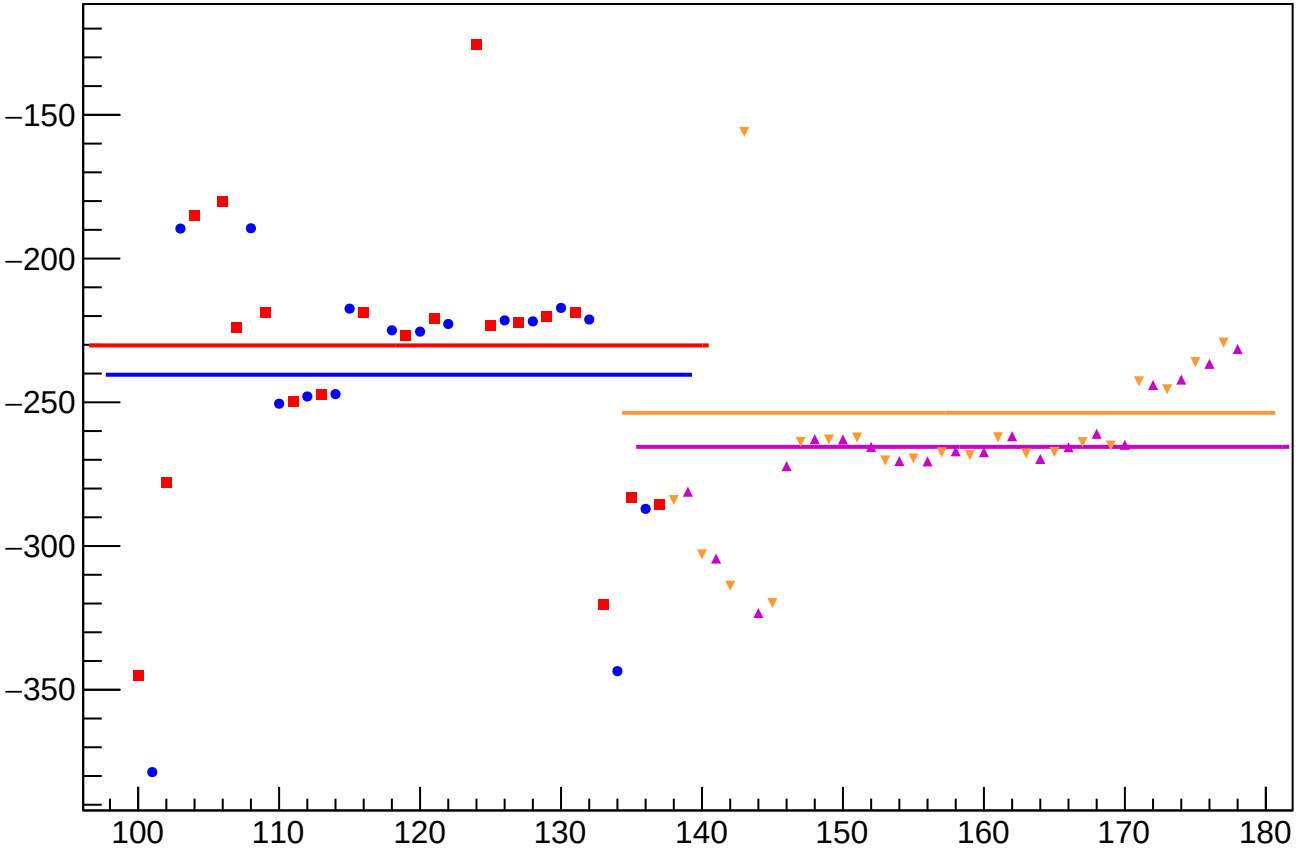
Left In: 132.920+/-1.837 χ^2/NDF:329.6/19

+ sign 122.520+/-1.438 χ^2/NDF: 860.1/36

All: 124.283+/-1.035 χ^2/NDF: 1578.0/75

- sign 126.176+/-1.490 χ^2/NDF: 714.7/38

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -253.667+/-0.081 χ^2/NDF:249410.6/20

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

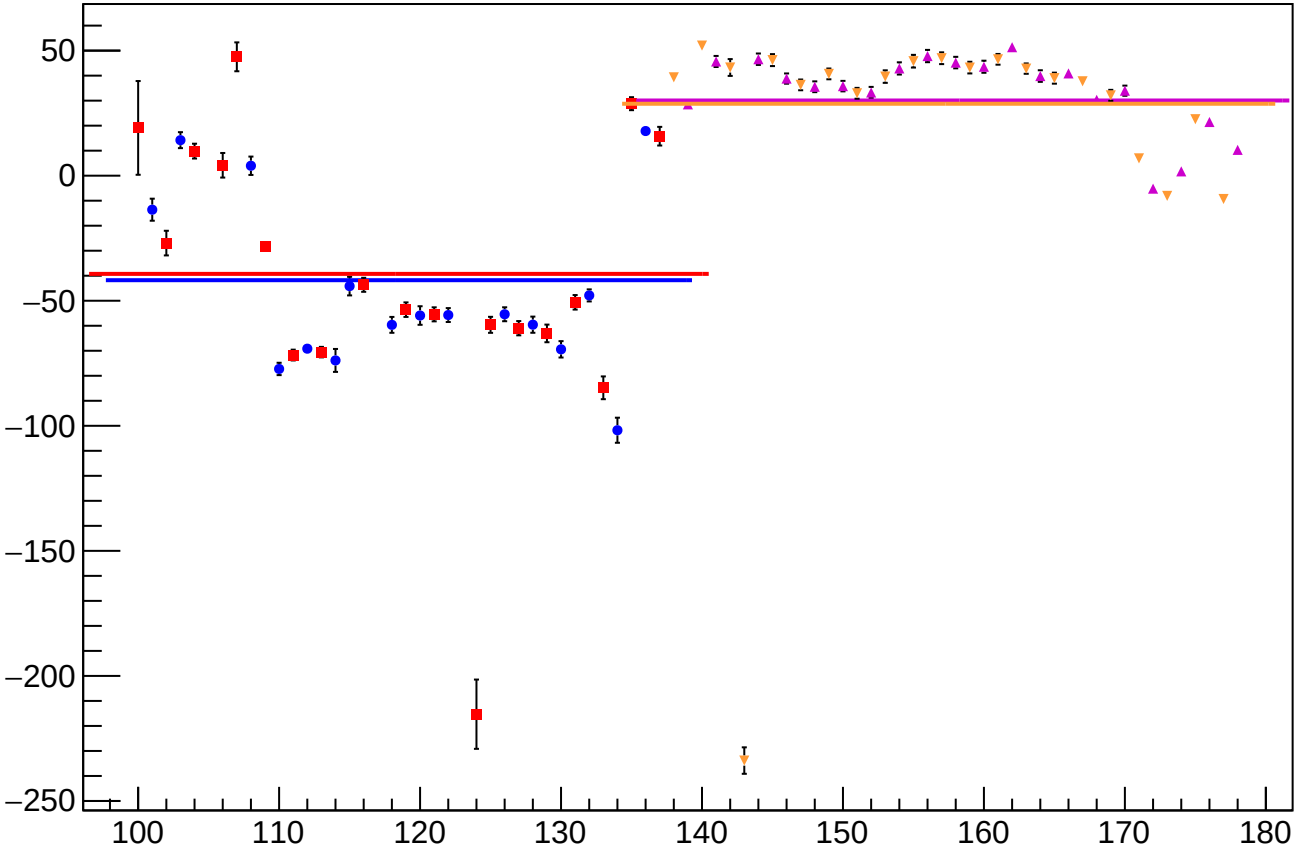
Left In: -265.500+/-0.084 χ^2/NDF:52995.9/19

+ sign -250.670+/-0.072 χ^2/NDF: 389557.5/36

All: -253.649+/-0.051 χ^2/NDF: 573150.6/75

- sign -256.743+/-0.073 χ^2/NDF: 180065.6/38

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 28.754+/-0.462 χ^2/NDF:4071.0/20

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

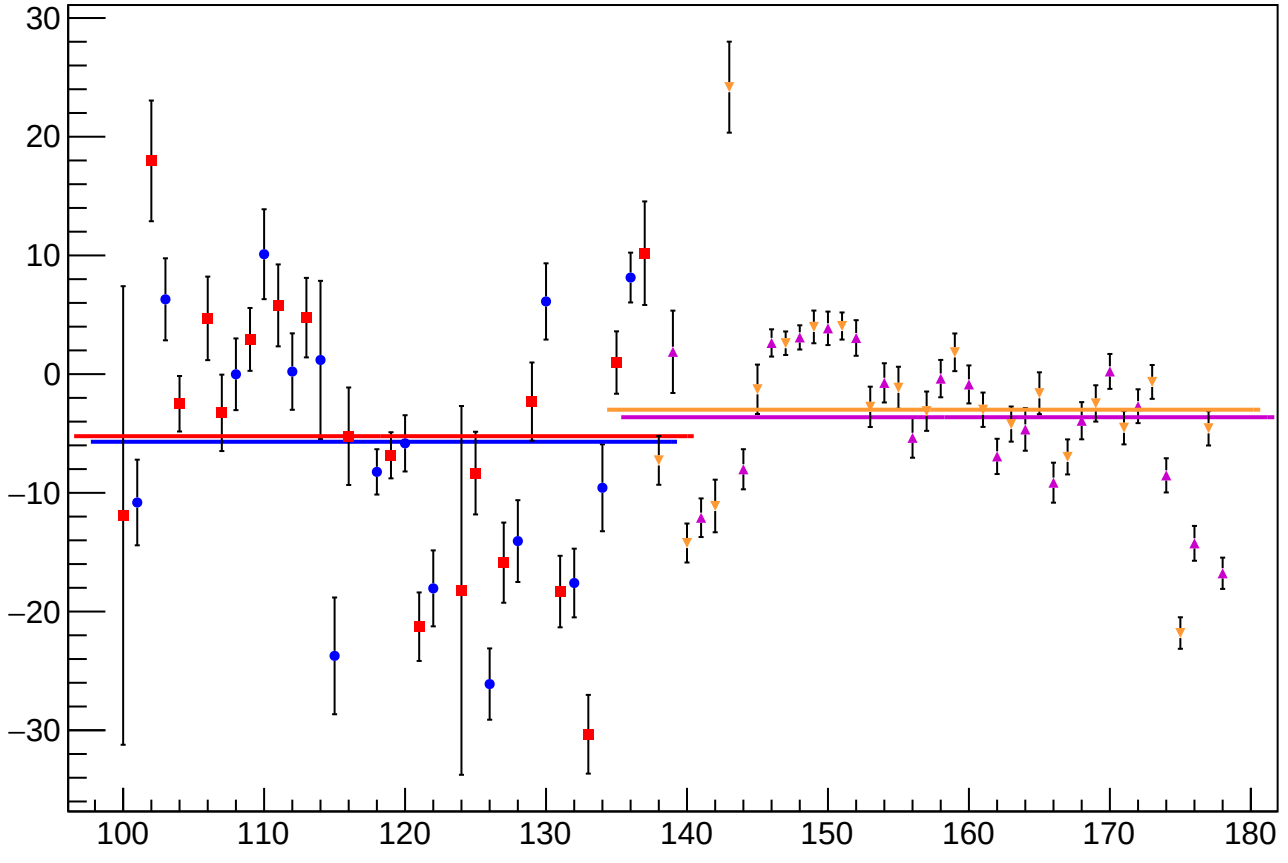
Left In: 30.061+/-0.450 χ^2/NDF:1321.6/19

+ sign 8.324+/-0.389 χ^2/NDF: 13236.6/36

All: 8.640+/-0.270 χ^2/NDF: 24271.2/75

- sign 8.933+/-0.375 χ^2/NDF: 11033.3/38

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

Left Out: -2.995+/-0.333 χ^2/NDF:435.9/20

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

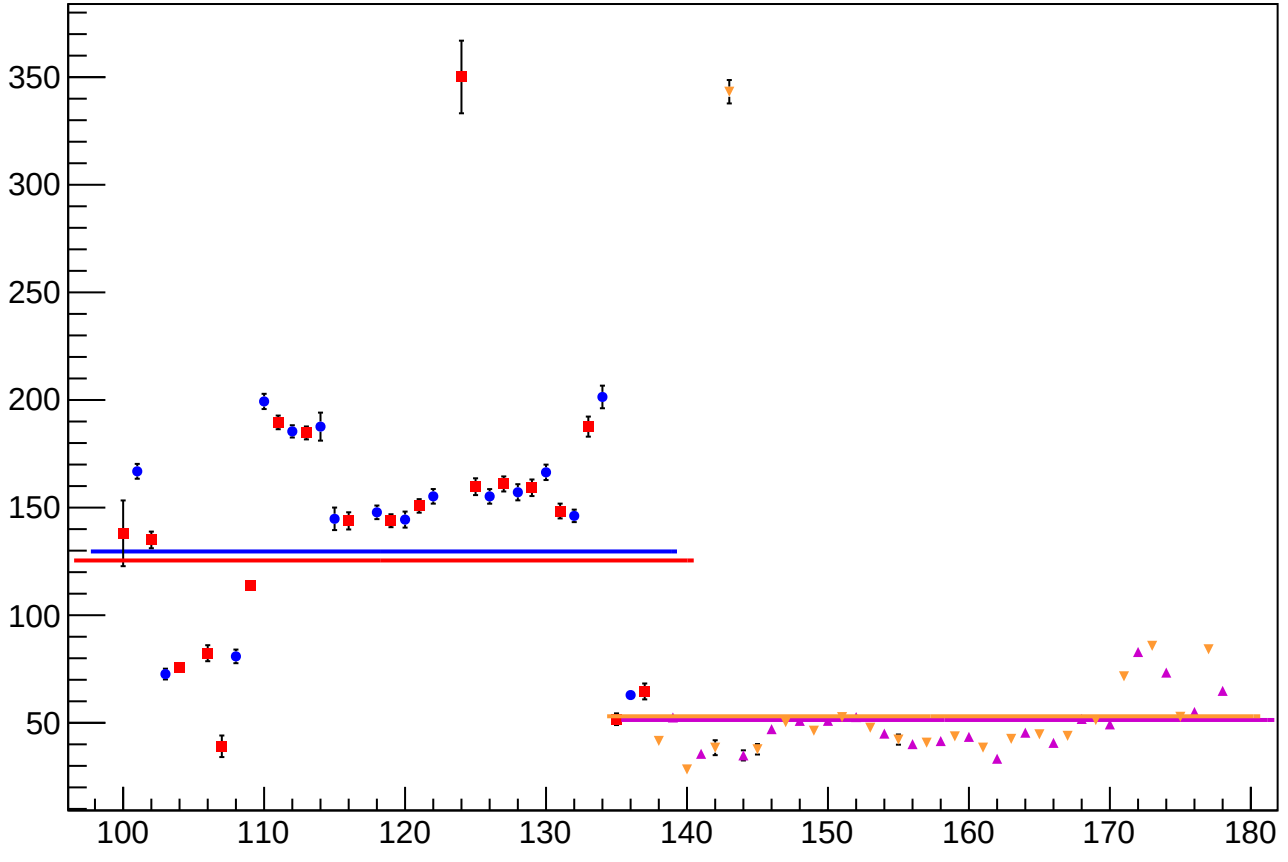
Left In: -3.629+/-0.333 χ^2/NDF:355.7/19

+ sign -3.437+/-0.304 χ^2/NDF: 643.4/36

All: -3.668+/-0.215 χ^2/NDF: 1201.4/75

- sign -3.899+/-0.304 χ^2/NDF: 556.9/38

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 53.041+/-0.454 χ^2/NDF:3978.7/20

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

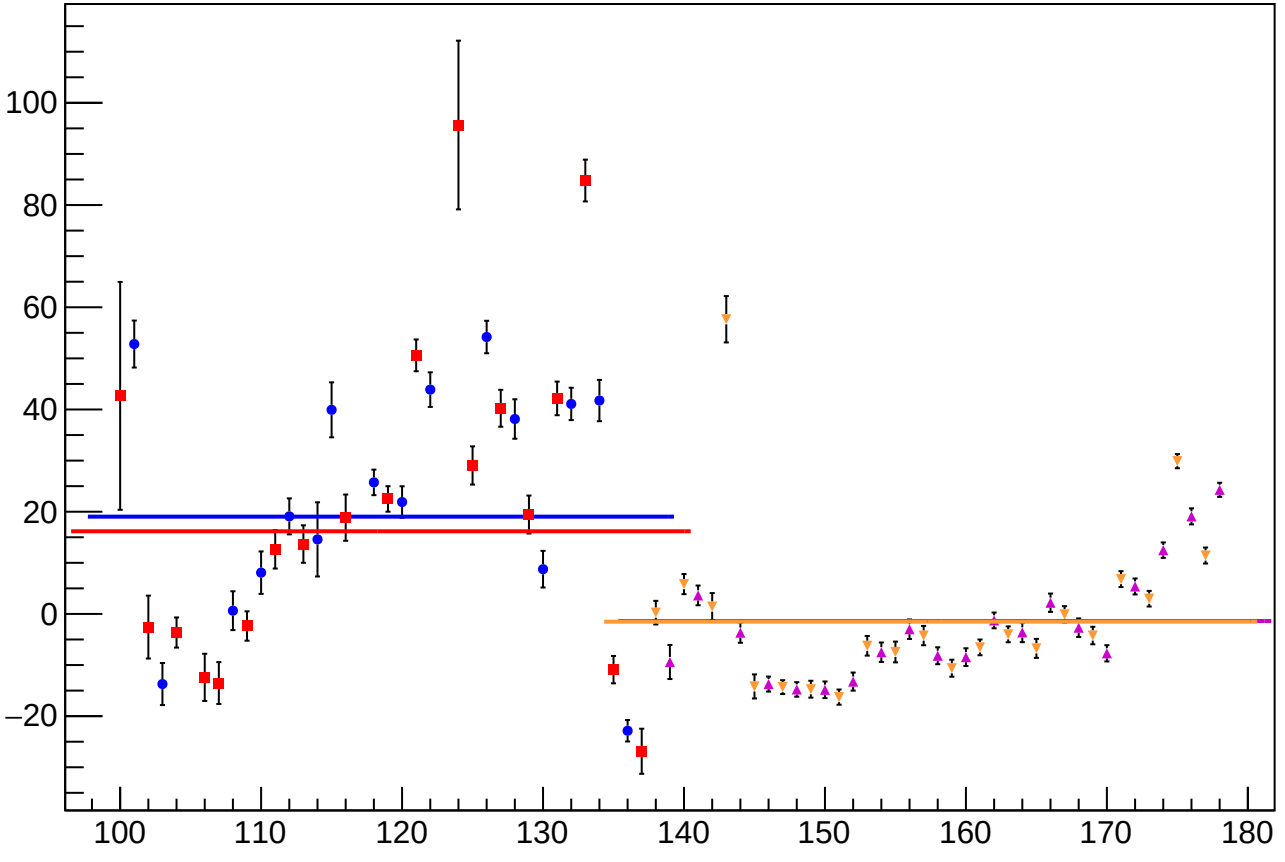
Left In: 51.327+/-0.443 χ^2/NDF:814.4/19

+ sign 71.671+/-0.395 χ^2/NDF: 14526.4/36

All: 70.354+/-0.276 χ^2/NDF: 25559.7/75

- sign 69.090+/-0.387 χ^2/NDF: 11011.5/38

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: -1.514+/-0.379 χ^2/NDF:1158.7/20

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

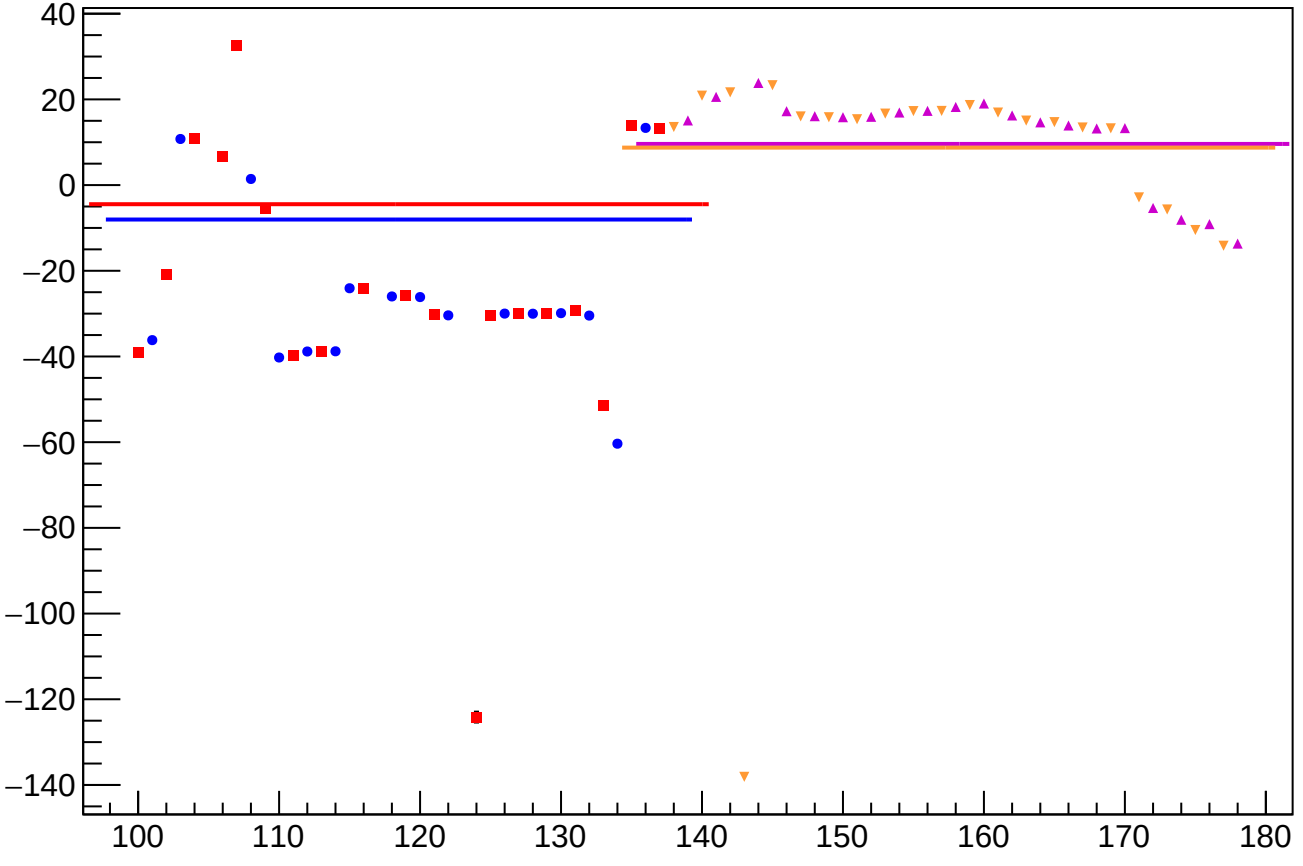
Left In: -1.382+/-0.378 χ^2/NDF:970.7/19

+ sign 1.829+/-0.347 χ^2/NDF: 2495.0/36

All: 1.683+/-0.245 χ^2/NDF: 4766.3/75

- sign 1.538+/-0.345 χ^2/NDF: 2271.0/38

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 8.744+/-0.017 χ^2/NDF:874819.7/20

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

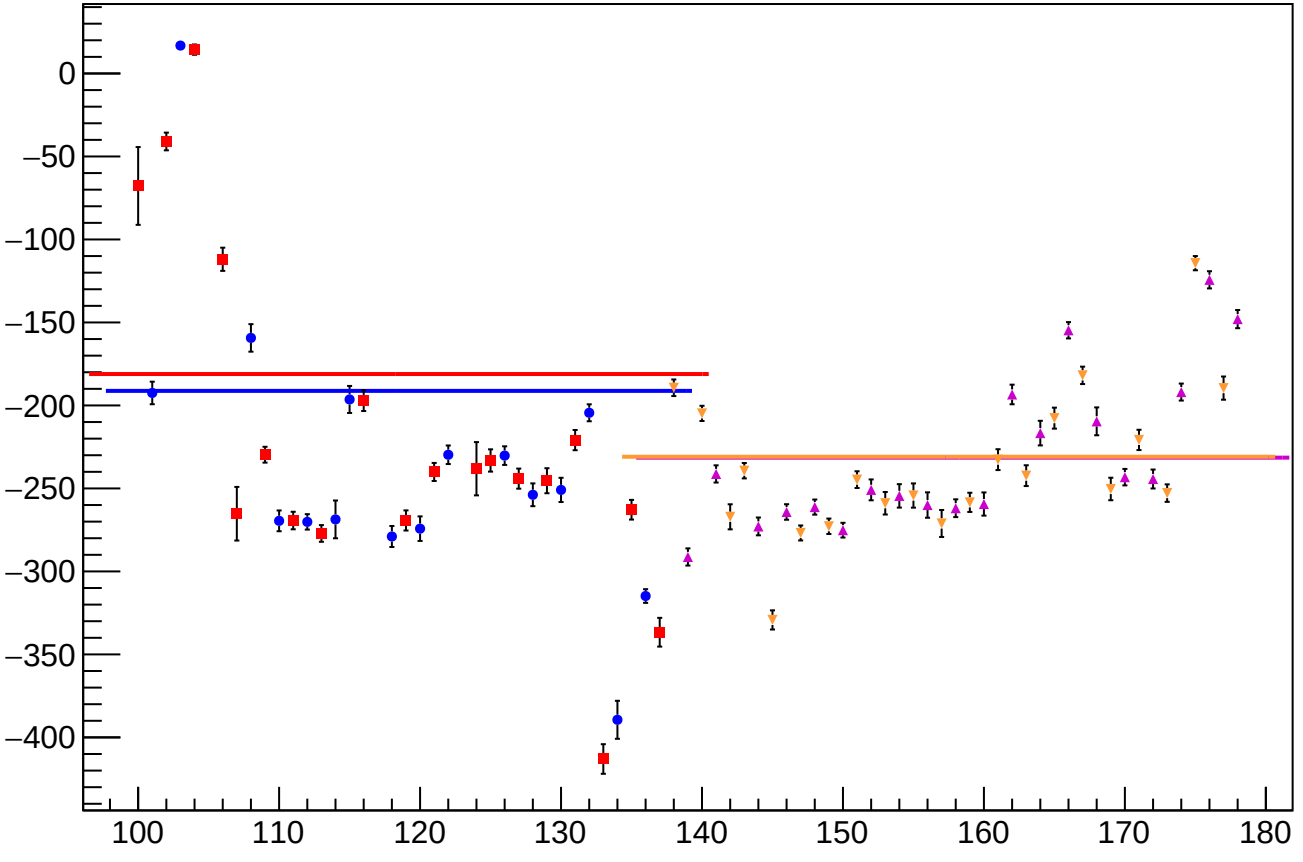
Left In: 9.604+/-0.017 χ^2/NDF:475191.2/19

+ sign 6.701+/-0.016 χ^2/NDF: 1260471.7/36

All: 7.374+/-0.011 χ^2/NDF: 2047731.5/75

- sign 8.022+/-0.016 χ^2/NDF: 783781.6/38

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -230.910+/-1.218 χ^2/NDF:1593.9/20

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

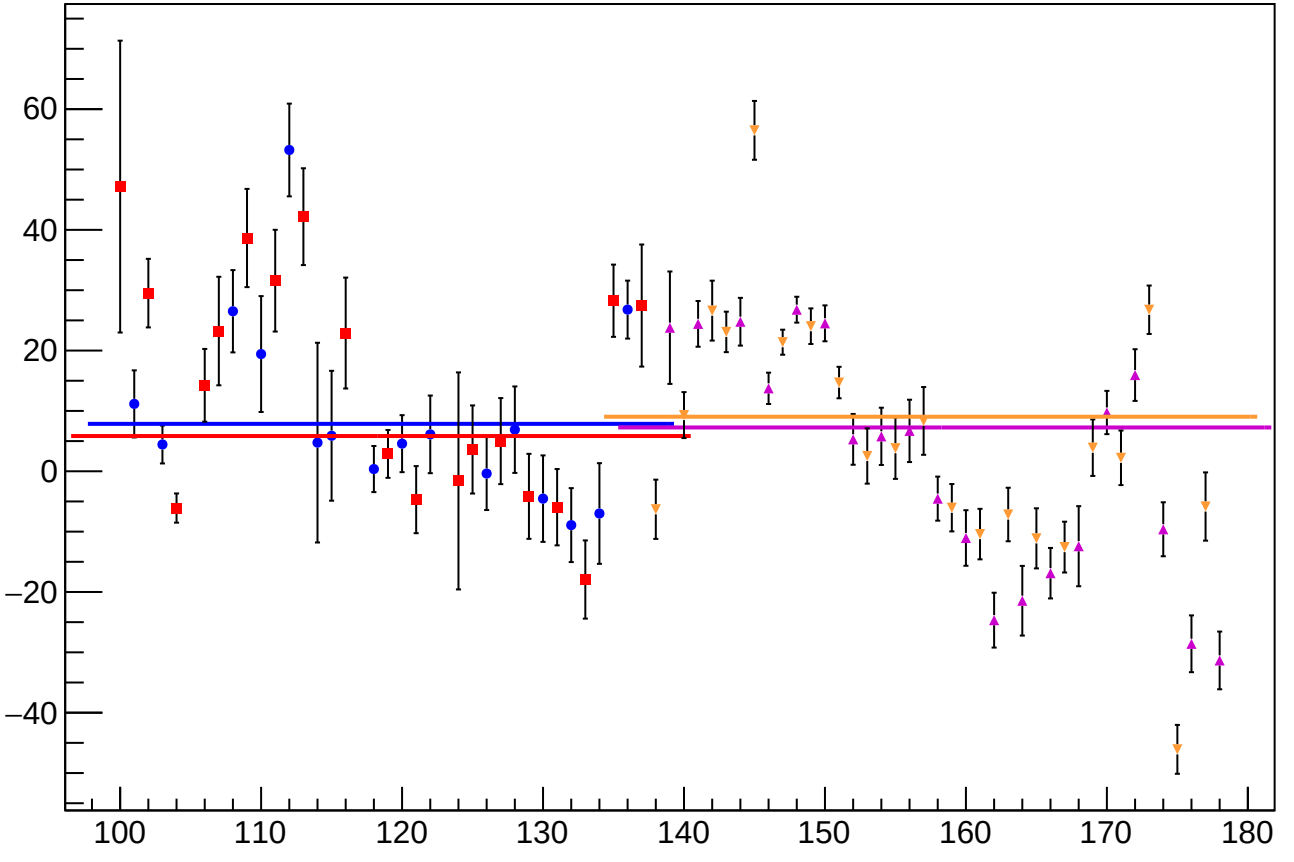
Left In: -231.449+/-1.236 χ^2/NDF:1494.7/19

+ sign -214.066+/-0.924 χ^2/NDF: 9269.1/36

All: -211.560+/-0.653 χ^2/NDF: 18889.9/75

- sign -209.068+/-0.922 χ^2/NDF: 9606.2/38

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 7.859+/-1.438 χ^2/NDF: 80.9/15

Left Out: 9.040+/-0.841 χ^2/NDF:511.2/20

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

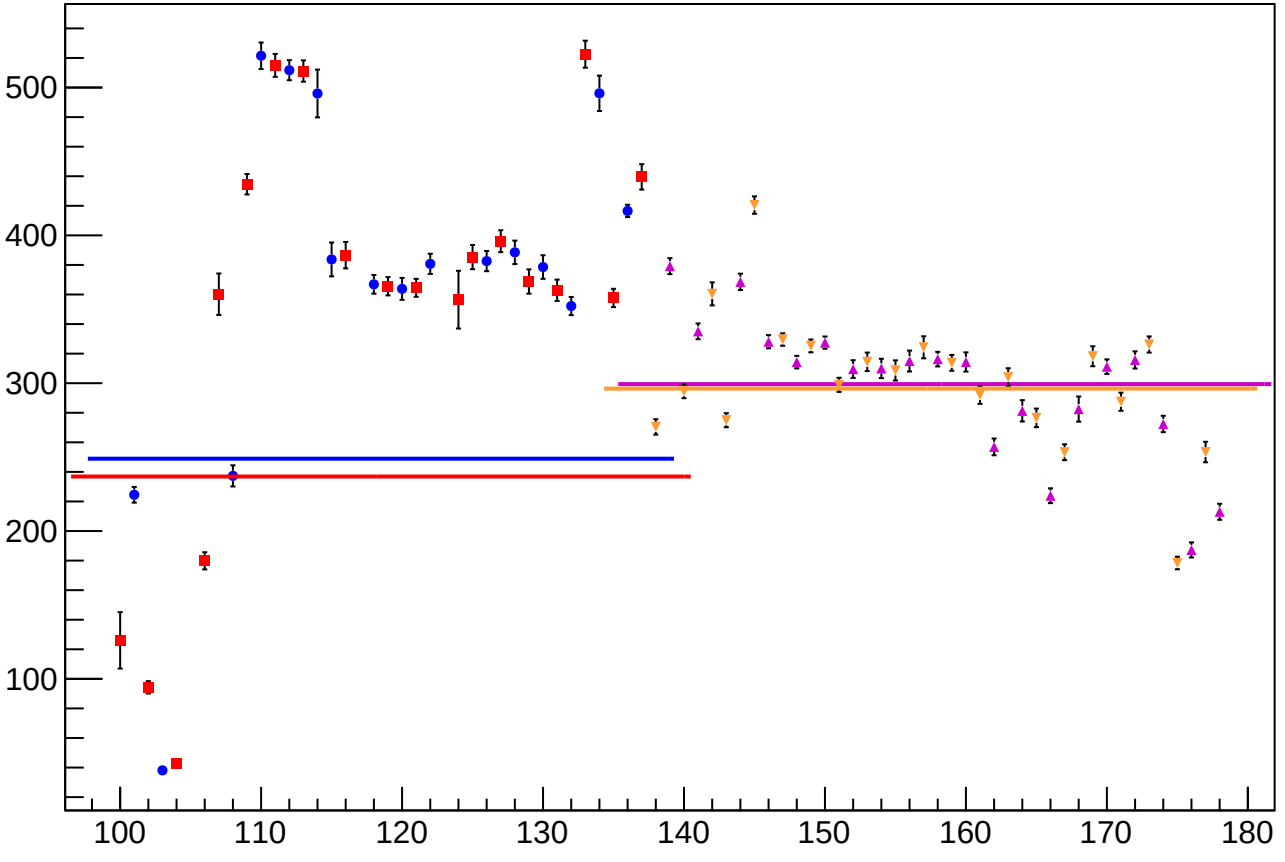
Left In: 7.259+/-0.872 χ^2/NDF:450.7/19

+ sign 8.739+/-0.726 χ^2/NDF: 592.6/36

All: 7.801+/-0.516 χ^2/NDF: 1189.3/75

- sign 6.843+/-0.734 χ^2/NDF: 593.3/38

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 296.344+/-1.198 χ^2/NDF:1620.6/20

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

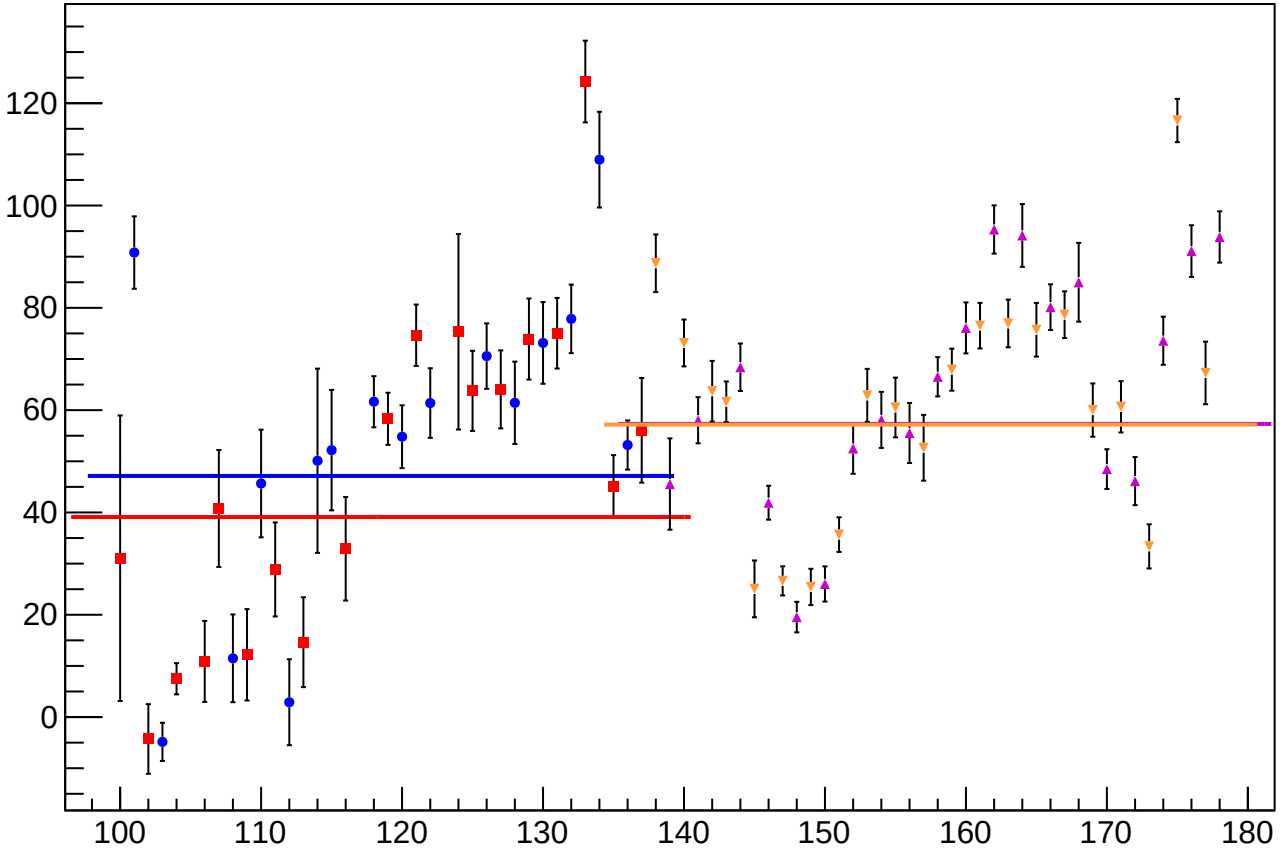
Left In: 299.373+/-1.212 χ^2/NDF:1611.8/19

+ sign 276.664+/-0.916 χ^2/NDF: 17573.3/36

All: 274.705+/-0.649 χ^2/NDF: 35984.5/75

- sign 272.736+/-0.918 χ^2/NDF: 18402.0/38

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 57.166+/-0.982 χ^2/NDF:626.6/20

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

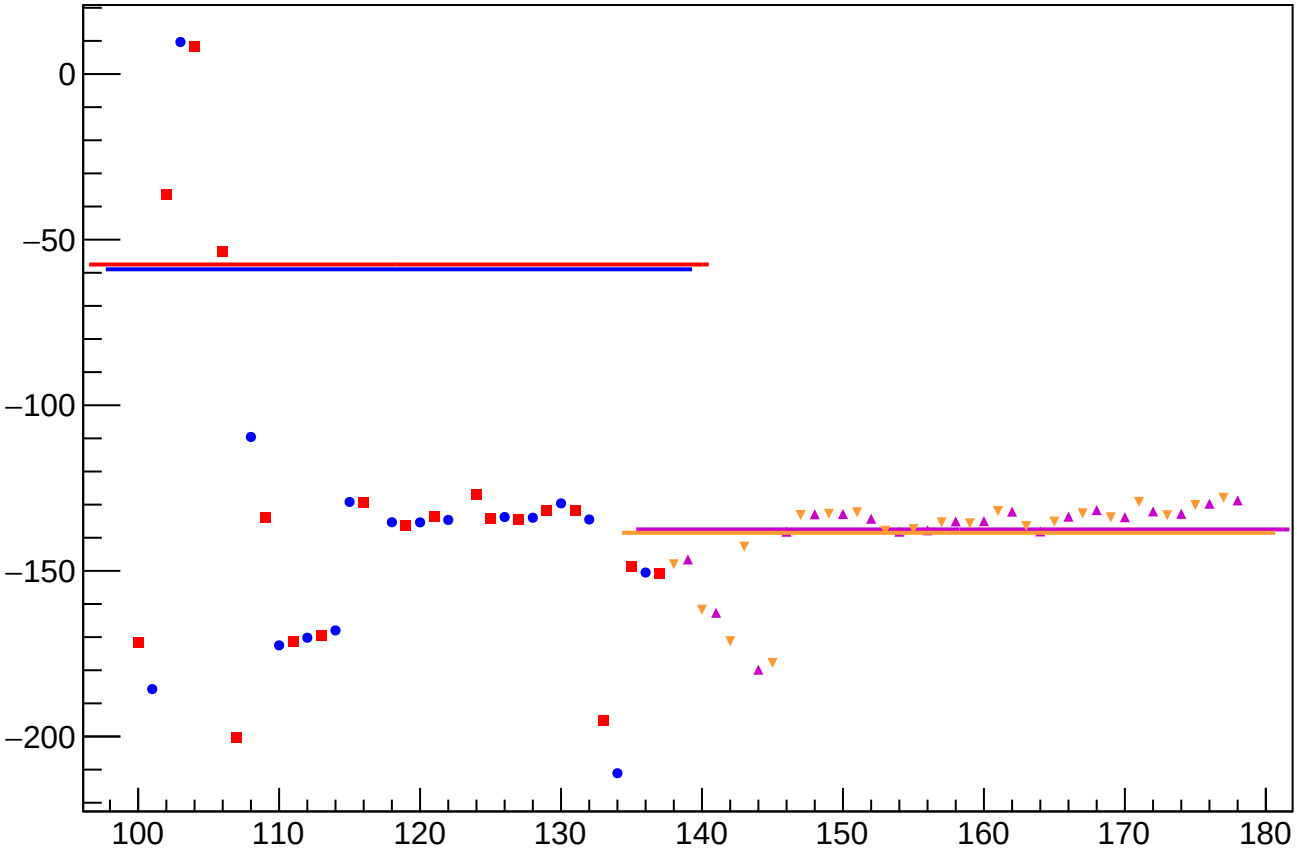
Left In: 57.305+/-1.009 χ^2/NDF:553.5/19

+ sign 54.584+/-0.846 χ^2/NDF: 1038.8/36

All: 53.355+/-0.601 χ^2/NDF: 2105.9/75

- sign 52.104+/-0.853 χ^2/NDF: 1062.9/38

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -138.505+/-0.046 χ^2/NDF:65726.5/20

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

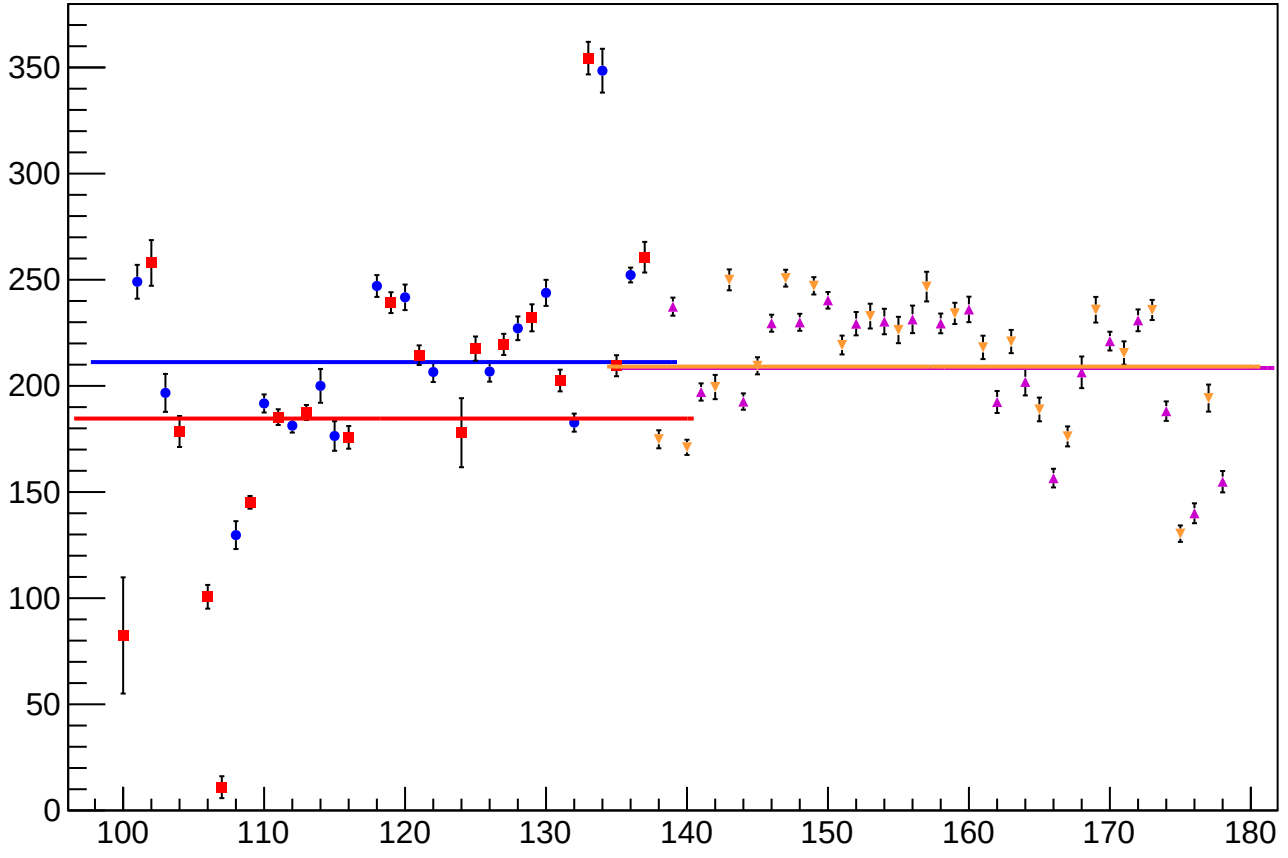
Left In: -137.490+/-0.046 χ^2/NDF:52555.7/19

+ sign -115.567+/-0.039 χ^2/NDF: 2147055.2/36

All: -115.388+/-0.028 χ^2/NDF: 3908063.5/75

- sign -115.207+/-0.039 χ^2/NDF: 1760965.8/38

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 209.095+/-1.056 χ^2/NDF:1069.9/20

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

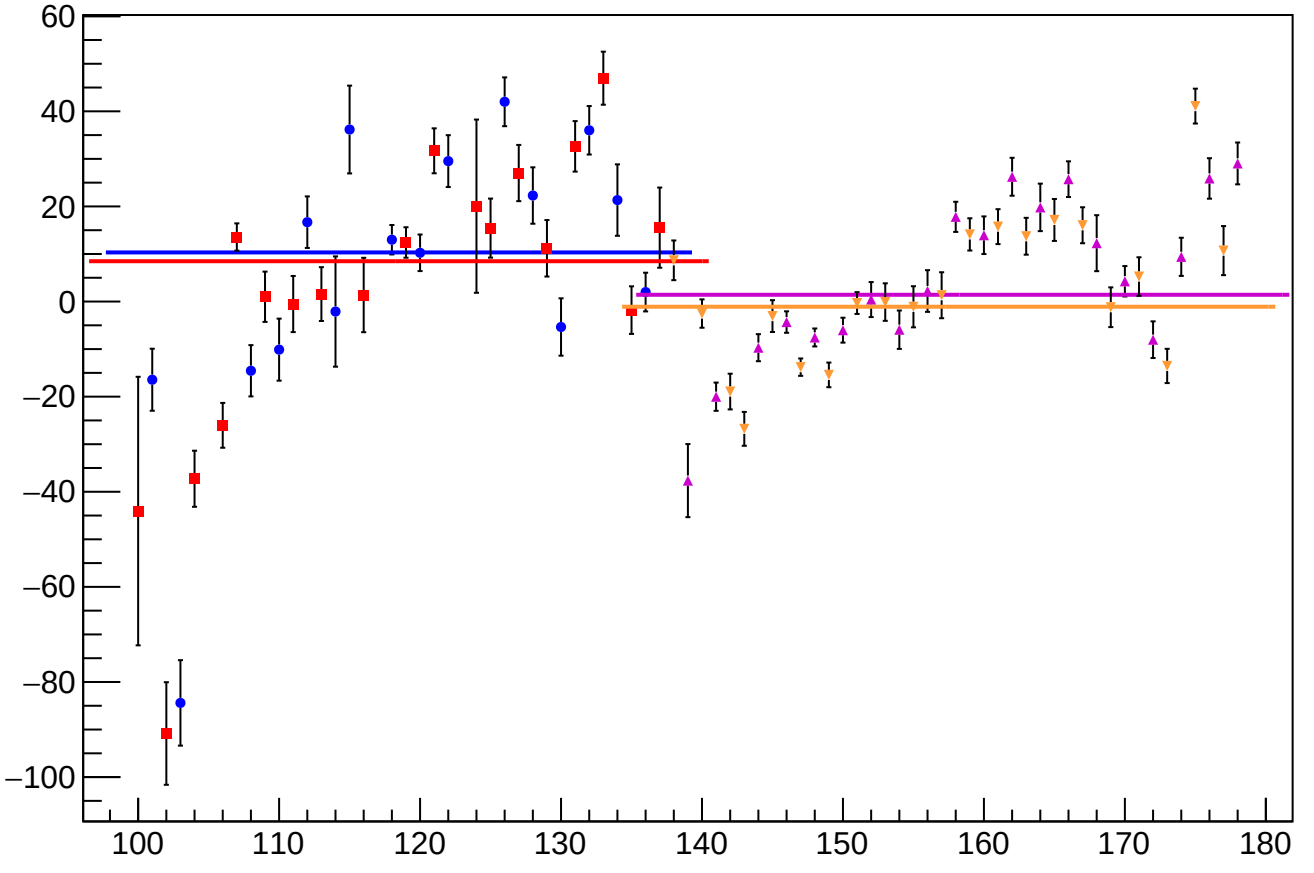
Left In: 208.432+/-1.063 χ^2/NDF:798.3/19

+ sign 209.939+/-0.819 χ^2/NDF: 1854.5/36

All: 203.734+/-0.570 χ^2/NDF: 5526.7/75

- sign 197.896+/-0.794 χ^2/NDF: 3560.6/38

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 10.329+/-1.333 χ^2/NDF: 263.3/15

Left Out: -1.092+/-0.732 χ^2/NDF:405.7/20

Right Out: 8.480+/-1.225 χ^2/NDF: 322.3/18

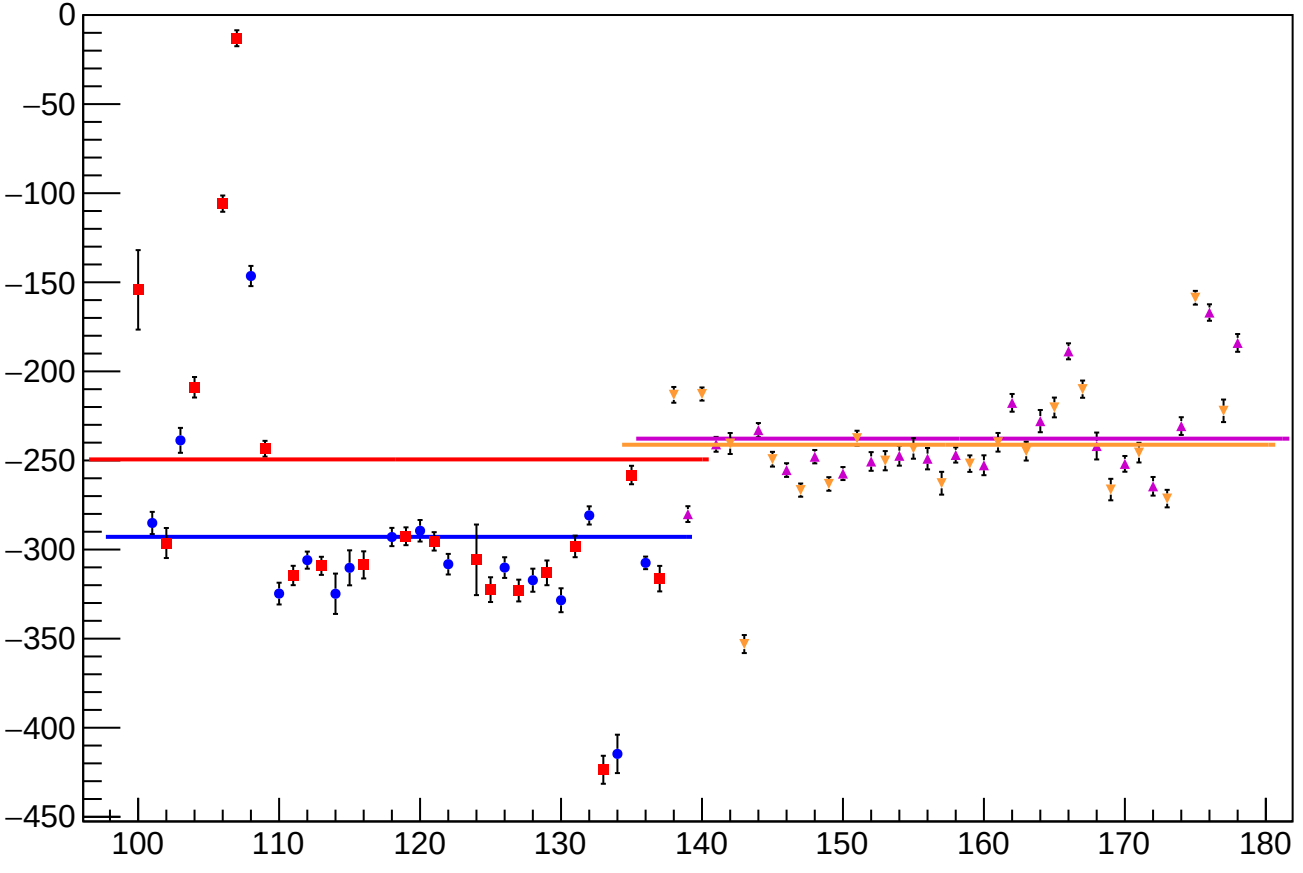
Left In: 1.422+/-0.753 χ^2/NDF:351.4/19

+ sign 1.557+/-0.642 χ^2/NDF: 725.3/36

All: 2.458+/-0.454 χ^2/NDF: 1427.1/75

- sign 3.357+/-0.641 χ^2/NDF: 697.9/38

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -241.176+/-1.039 χ^2/NDF:1270.0/20

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

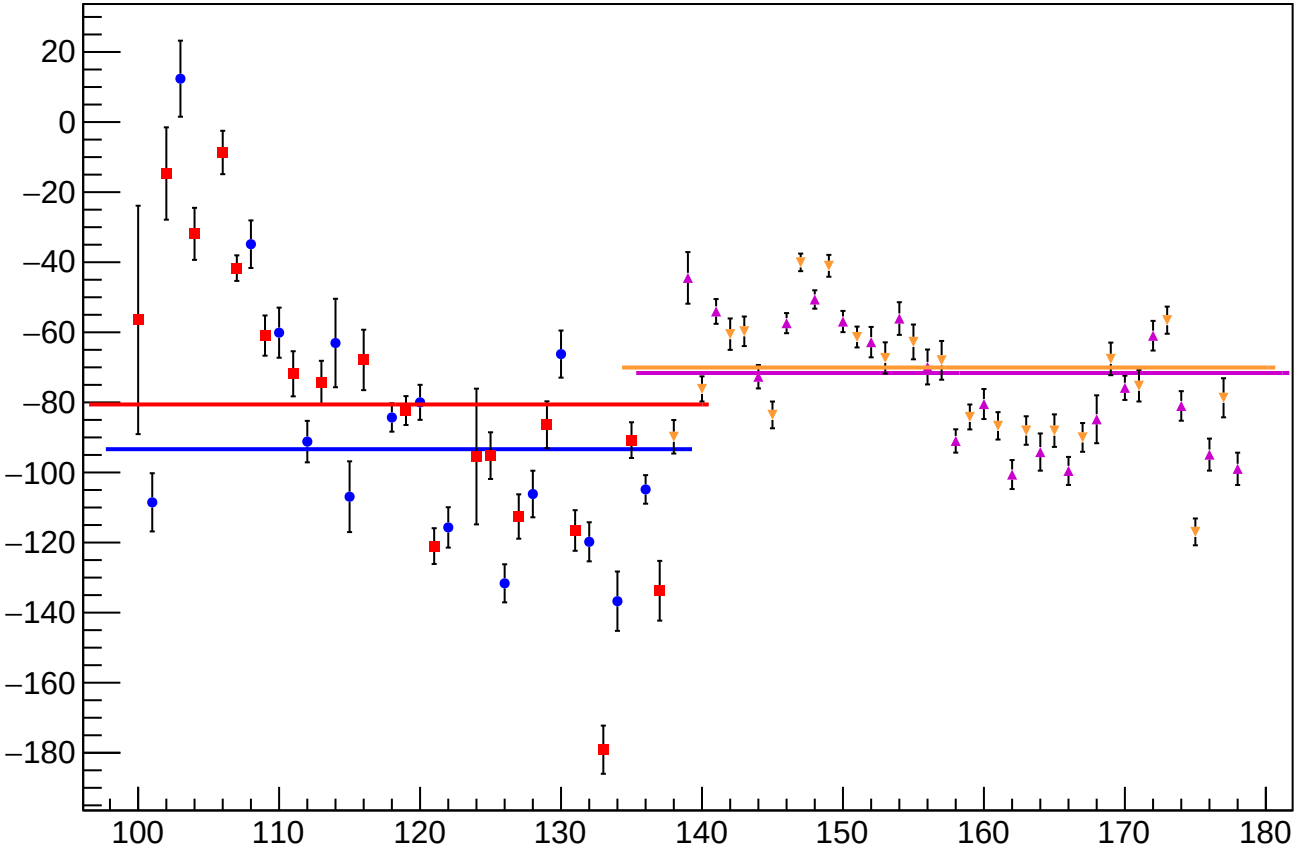
Left In: -237.765+/-1.044 χ^2/NDF:701.3/19

+ sign -258.443+/-0.848 χ^2/NDF: 3079.9/36

All: -250.070+/-0.593 χ^2/NDF: 9386.3/75

- sign -242.048+/-0.830 χ^2/NDF: 6115.5/38

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -70.048+/-0.855 χ^2/NDF:542.7/20

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

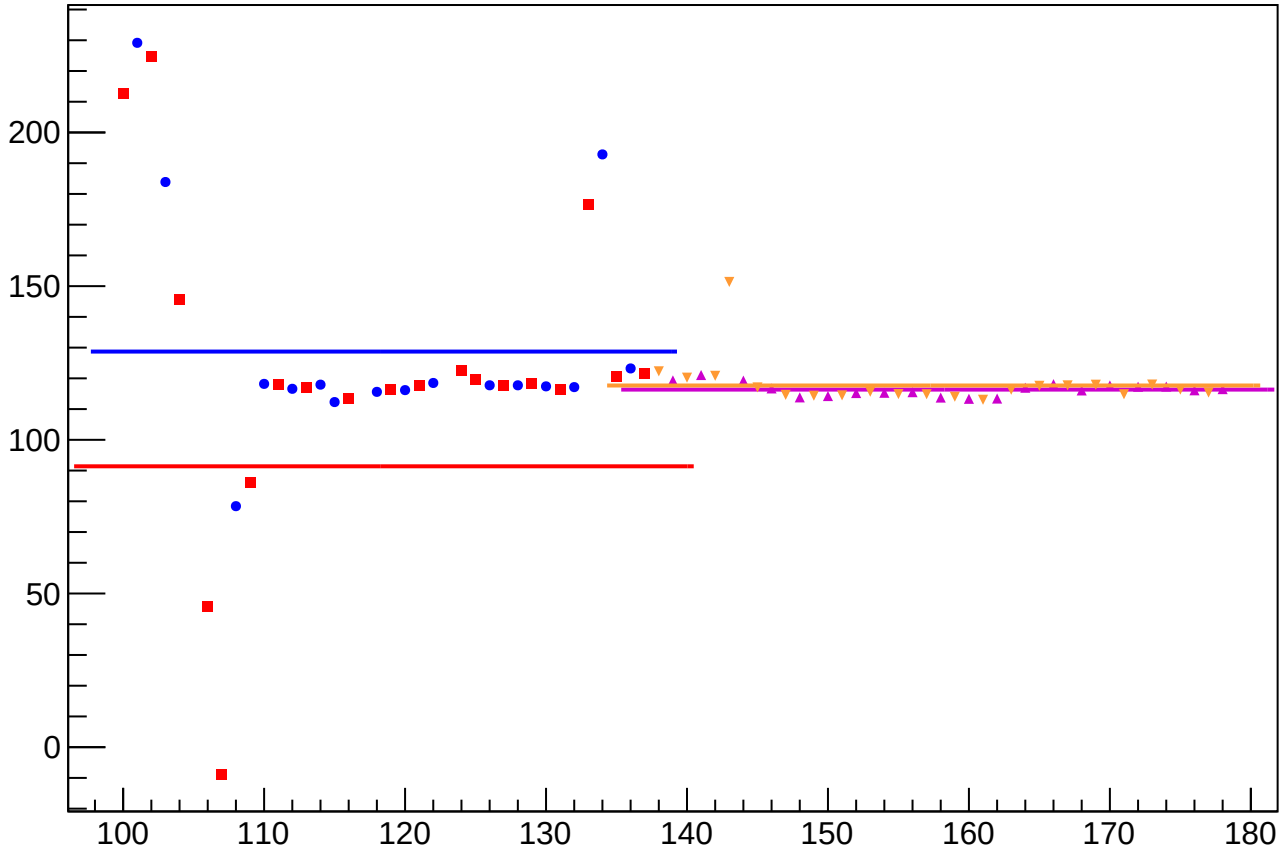
Left In: -71.617+/-0.872 χ^2/NDF:397.4/19

+ sign -75.571+/-0.747 χ^2/NDF: 1074.1/36

All: -74.814+/-0.527 χ^2/NDF: 2217.8/75

- sign -74.064+/-0.743 χ^2/NDF: 1141.7/38

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 117.675+/-0.040 χ^2/NDF:29844.9/20

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

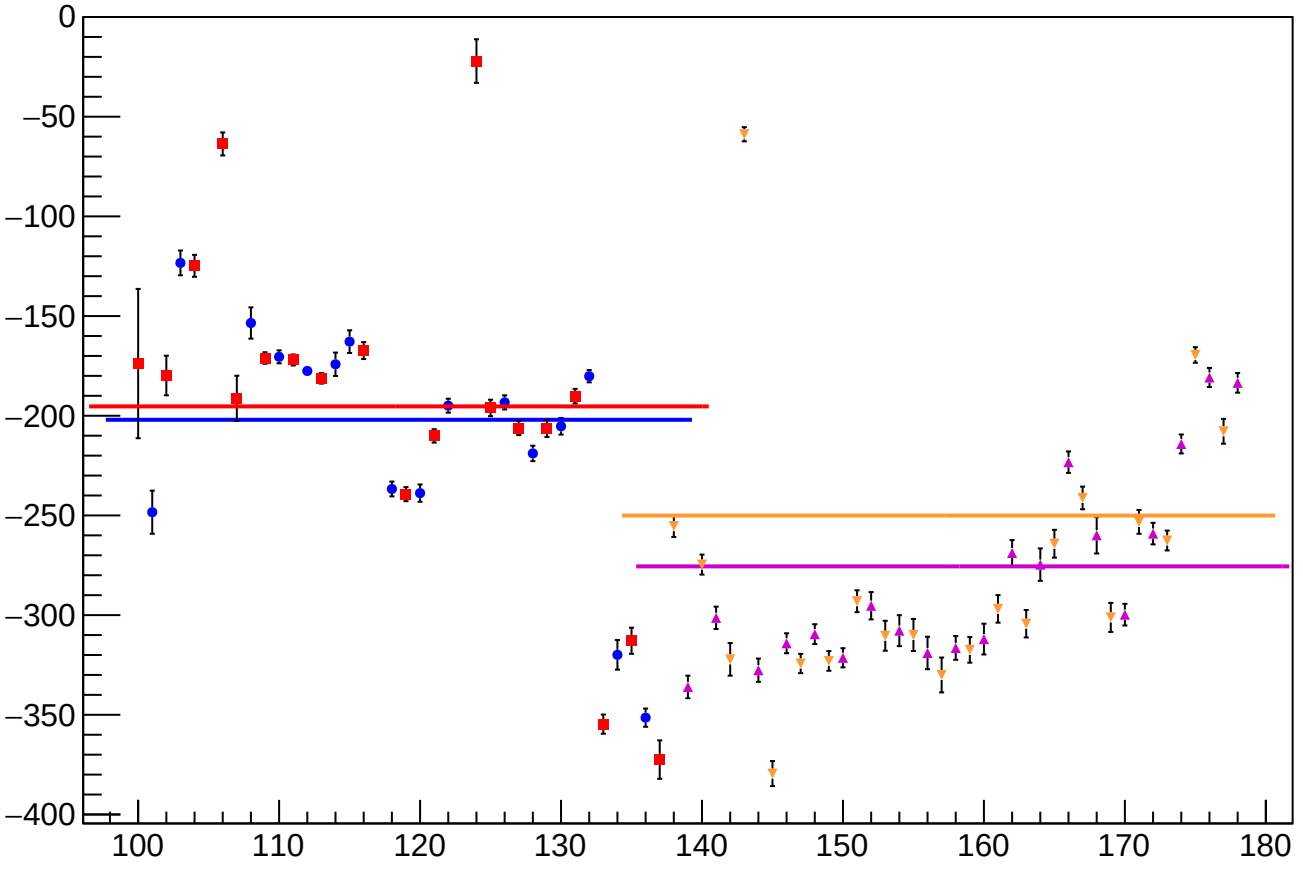
Left In: 116.341+/-0.040 χ^2/NDF:2990.5/19

+ sign 119.536+/-0.037 χ^2/NDF: 226121.2/36

All: 115.295+/-0.026 χ^2/NDF: 939607.7/75

- sign 111.287+/-0.036 χ^2/NDF: 687362.9/38

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -250.054+/-1.239 χ^2/NDF:4887.6/20

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

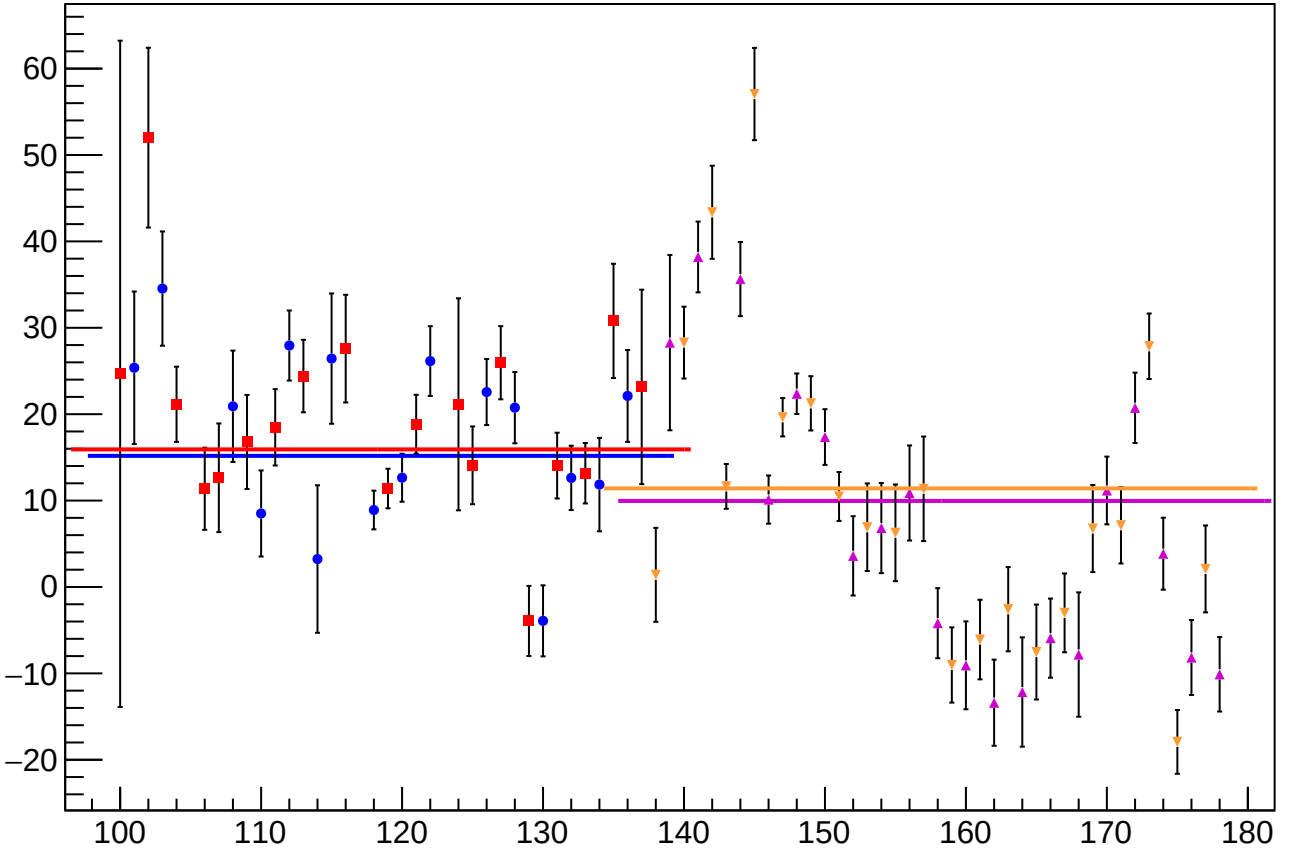
Left In: -275.555+/-1.295 χ^2/NDF:1568.9/19

+ sign -221.525+/-0.789 χ^2/NDF: 7821.3/36

All: -222.941+/-0.554 χ^2/NDF: 14950.4/75

- sign -224.318+/-0.778 χ^2/NDF: 7122.8/38

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 11.410+/-0.866 χ^2/NDF:307.2/20

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

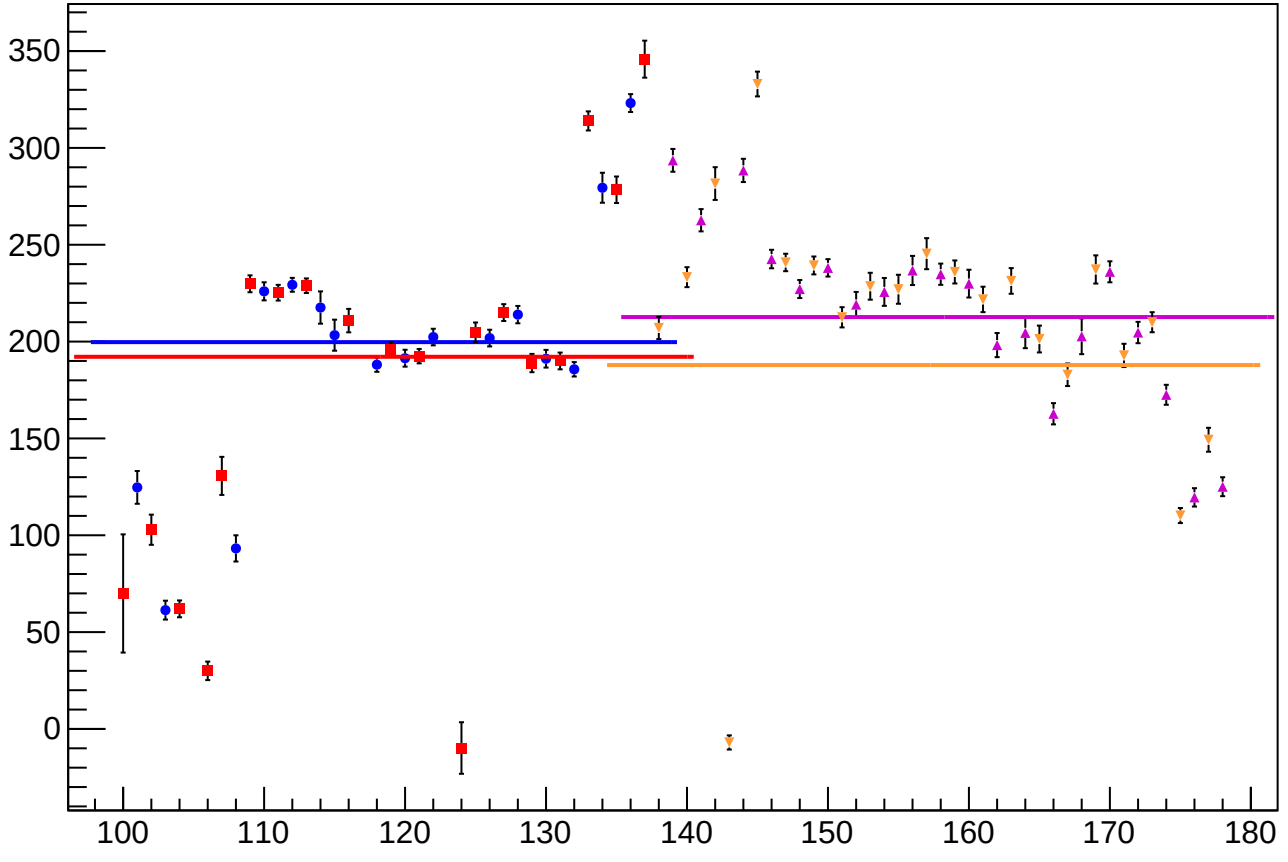
Left In: 9.959+/-0.925 χ^2/NDF:248.9/19

+ sign 12.938+/-0.668 χ^2/NDF: 387.2/36

All: 12.776+/-0.480 χ^2/NDF: 718.2/75

- sign 12.603+/-0.690 χ^2/NDF: 330.9/38

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 199.722+/-1.196 χ^2/NDF: 2101.6/15

Left Out: 187.876+/-1.223 χ^2/NDF:4600.6/20

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

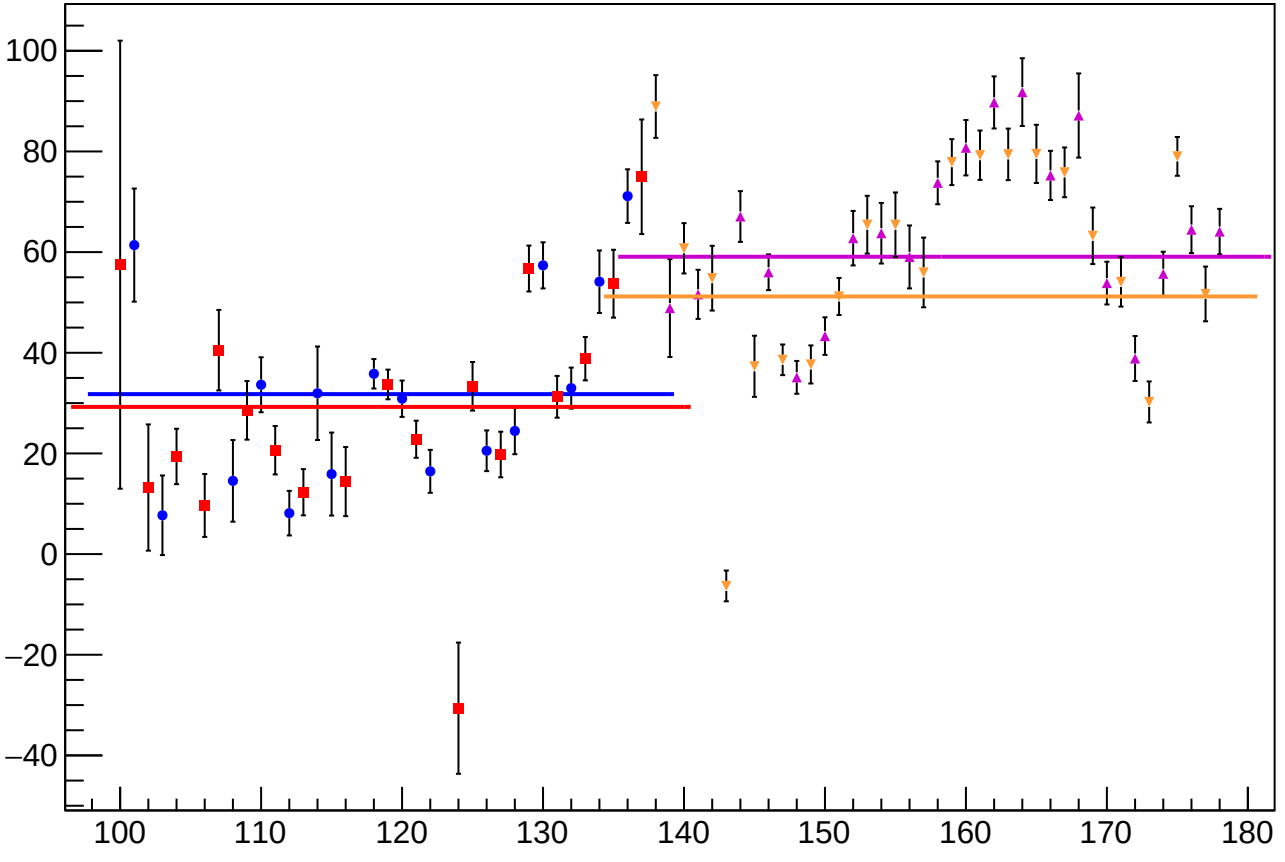
Left In: 212.667+/-1.273 χ^2/NDF:1420.2/19

+ sign 193.930+/-0.855 χ^2/NDF: 6750.2/36

All: 197.658+/-0.604 χ^2/NDF: 12128.4/75

- sign 201.376+/-0.854 χ^2/NDF: 5340.2/38

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 51.190+/-1.008 χ^2/NDF:670.6/20

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

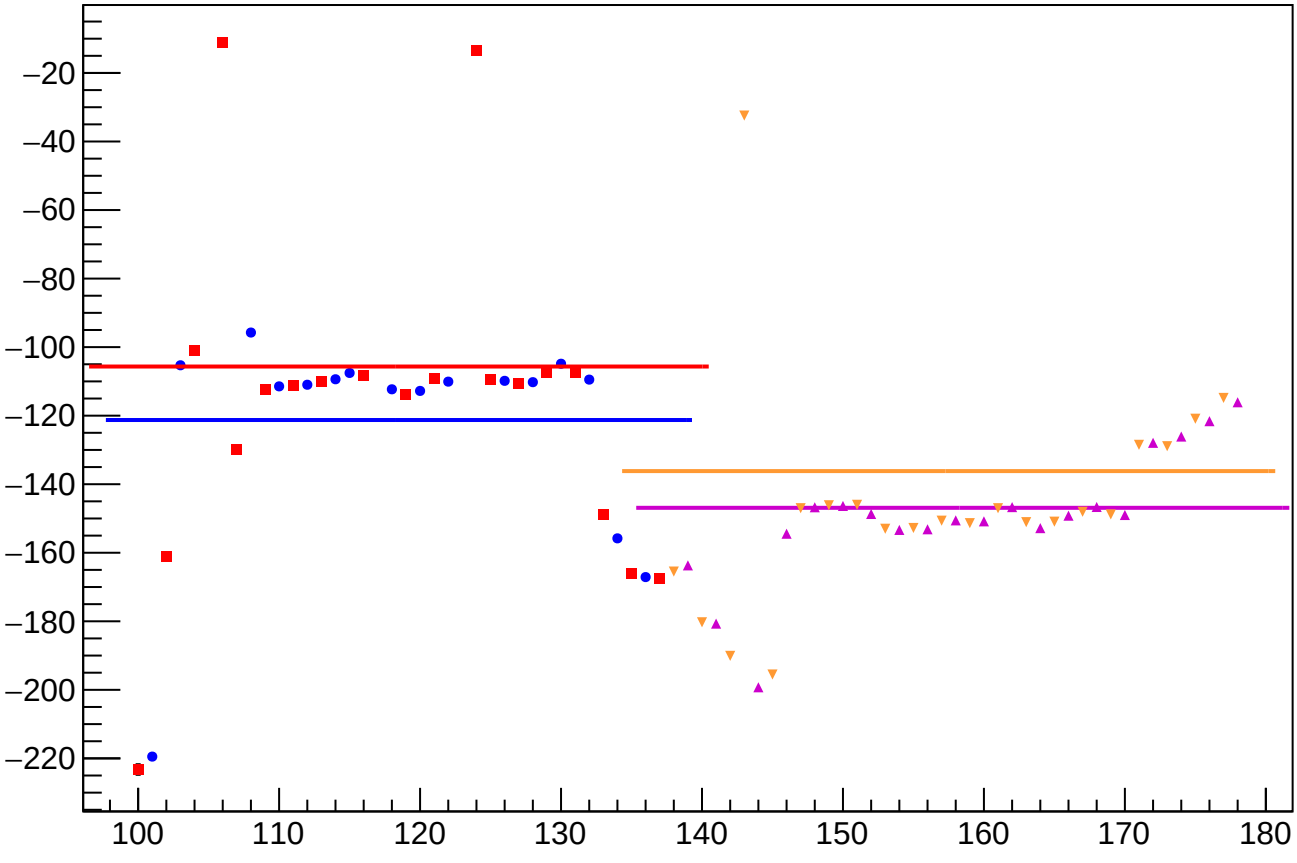
Left In: 59.078+/-1.066 χ^2/NDF:213.0/19

+ sign 43.289+/-0.776 χ^2/NDF: 998.5/36

All: 44.554+/-0.556 χ^2/NDF: 1704.6/75

- sign 45.884+/-0.796 χ^2/NDF: 700.6/38

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -136.173+/-0.047 χ^2/NDF:657689.3/20

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

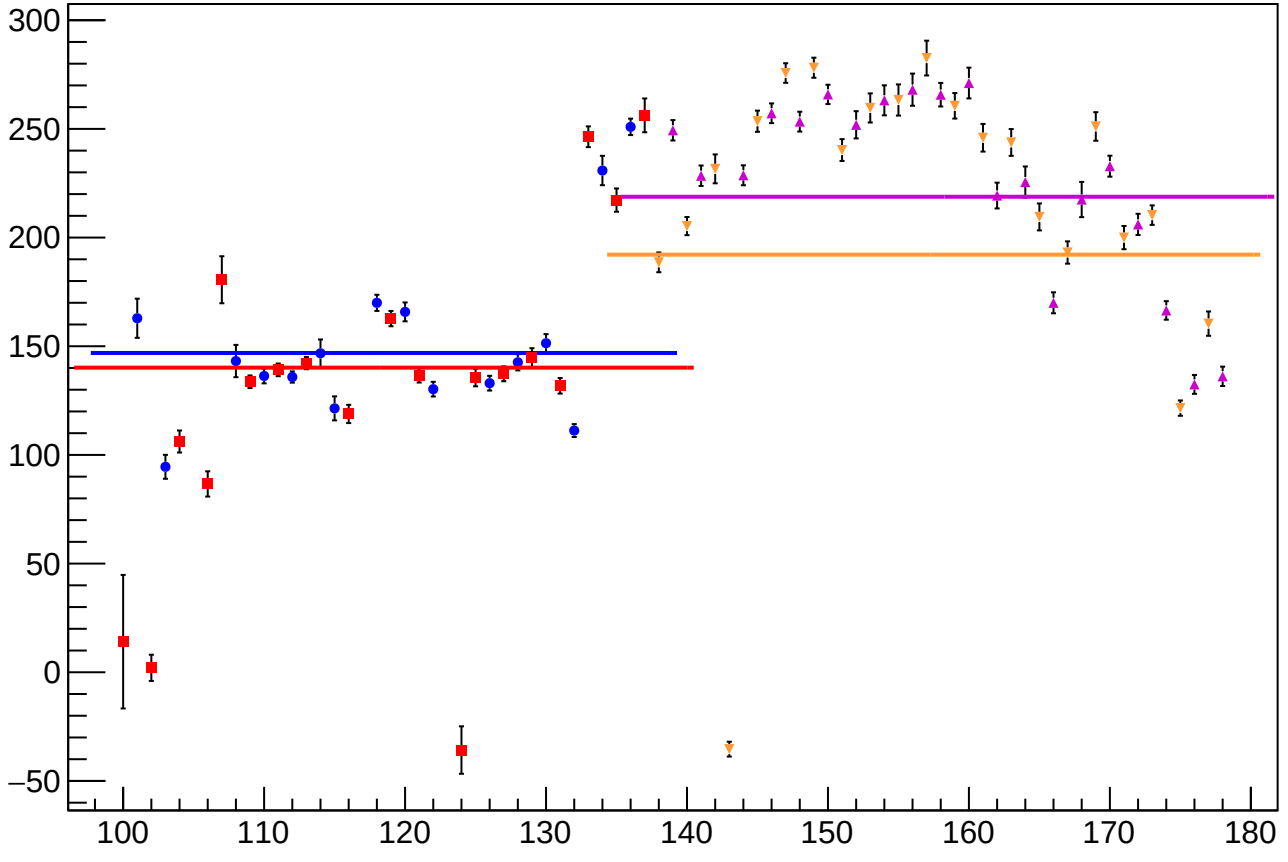
Left In: -146.886+/-0.049 χ^2/NDF:127959.8/19

+ sign -132.240+/-0.041 χ^2/NDF: 803144.2/36

All: -133.438+/-0.029 χ^2/NDF: 1501997.9/75

- sign -134.637+/-0.041 χ^2/NDF: 697119.5/38

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 192.144+/-1.109 χ^2/NDF:6561.3/20

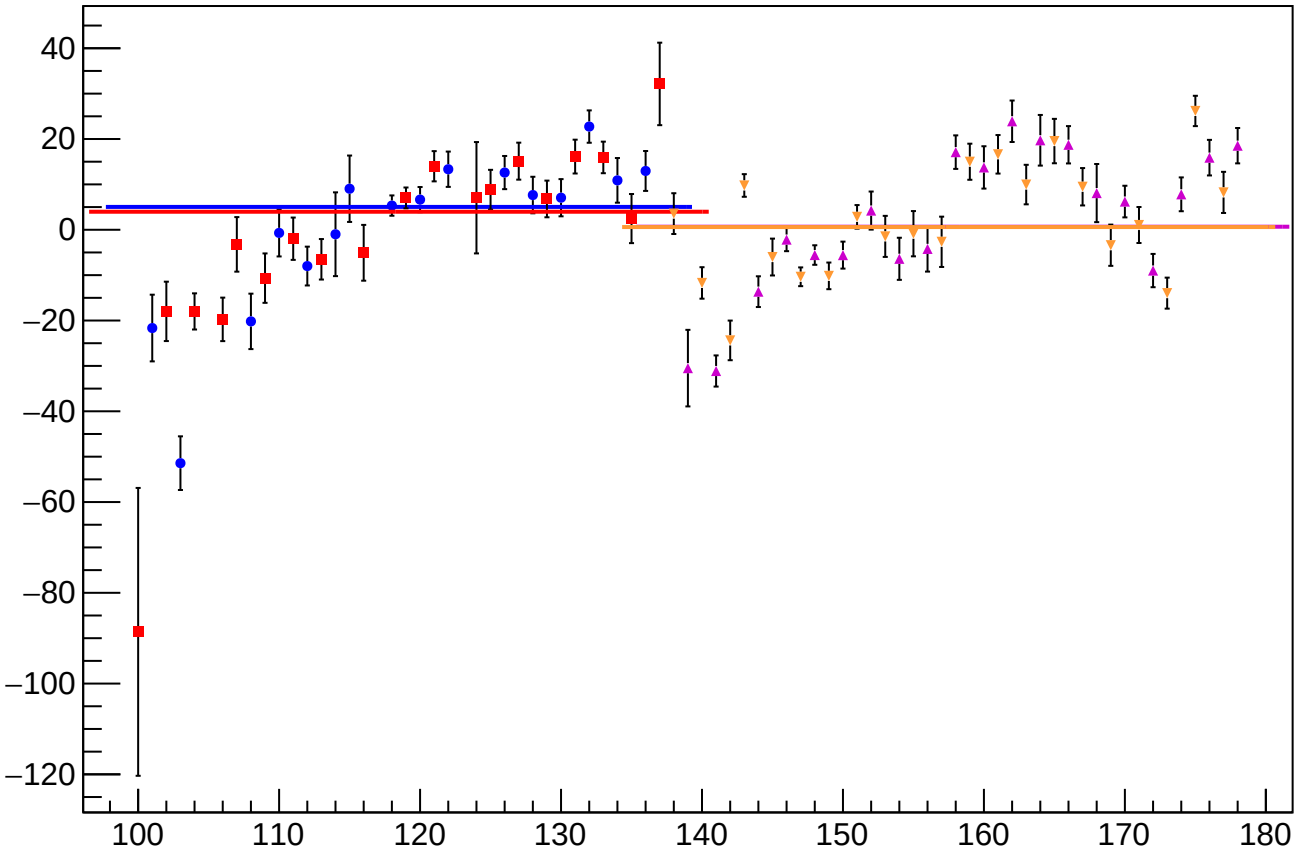
Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

Left In: 218.785+/-1.152 χ^2/NDF:1544.9/19

+ sign 167.269+/-0.744 χ^2/NDF: 8778.5/36

All: 169.854+/-0.524 χ^2/NDF: 15048.4/75

- sign 172.393+/-0.737 χ^2/NDF: 6245.9/38



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: 0.598+/-0.782 χ^2/NDF:236.9/20

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

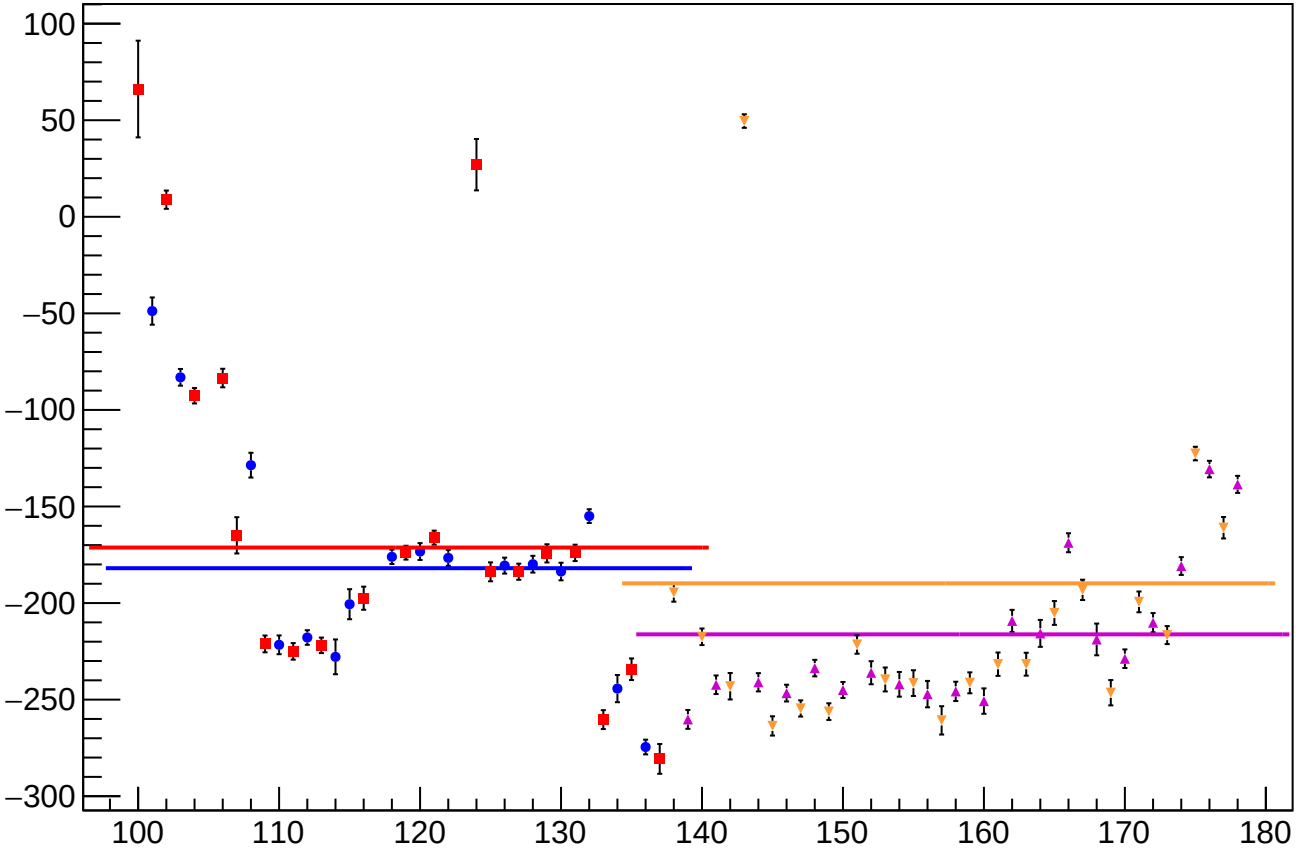
Left In: 0.672+/-0.829 χ^2/NDF:270.3/19

+ sign 2.240+/-0.621 χ^2/NDF: 420.7/36

All: 2.123+/-0.446 χ^2/NDF: 842.3/75

- sign 1.998+/-0.641 χ^2/NDF: 421.5/38

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -181.947+/-1.154 χ^2/NDF: 1870.4/15

Left Out: -189.792+/-1.097 χ^2/NDF:6388.1/20

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

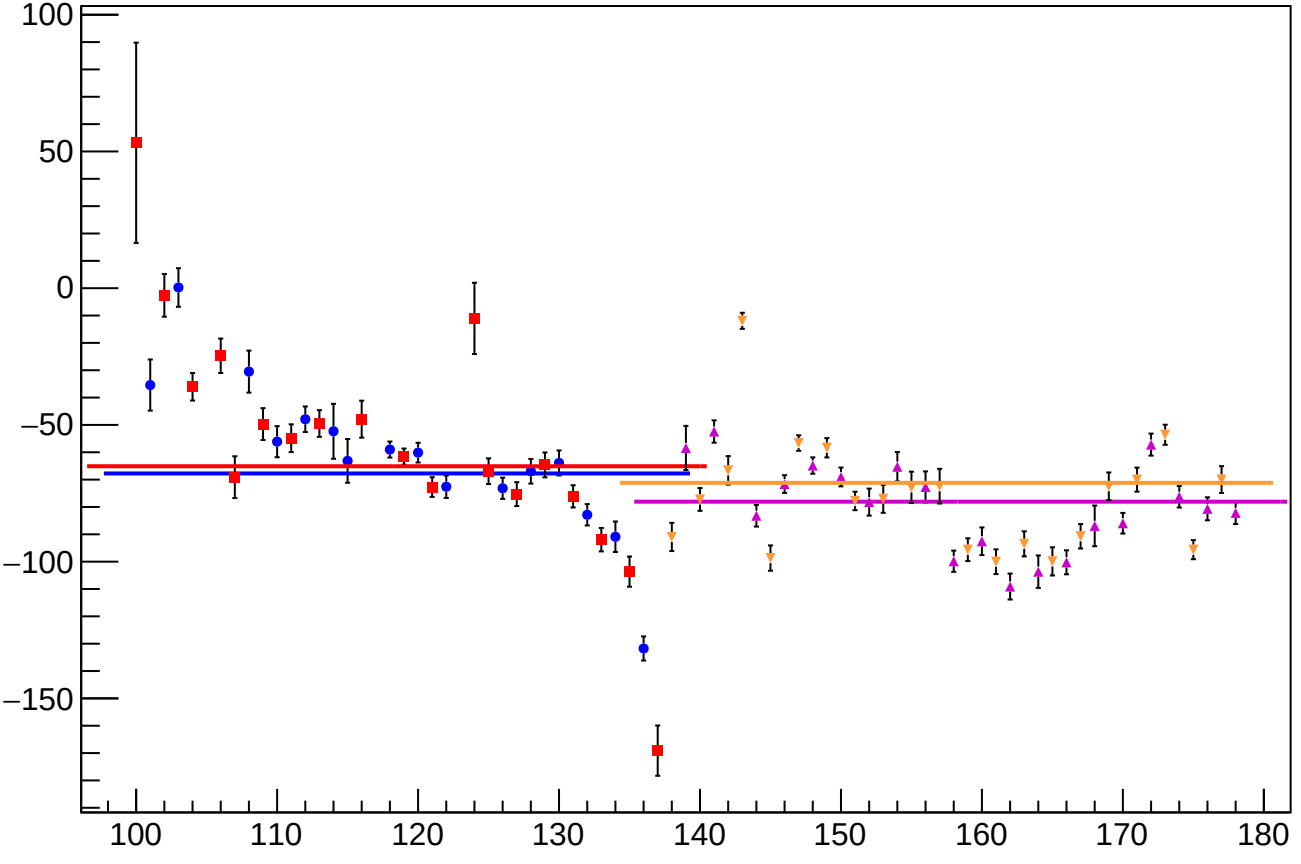
Left In: -216.209+/-1.135 χ^2/NDF:1231.9/19

+ sign -186.069+/-0.795 χ^2/NDF: 8282.8/36

All: -189.668+/-0.562 χ^2/NDF: 13984.6/75

- sign -193.257+/-0.794 χ^2/NDF: 5660.9/38

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.745+/-1.181 χ^2/NDF: 414.0/15

Left Out: -71.173+/-0.909 χ^2/NDF:725.4/20

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

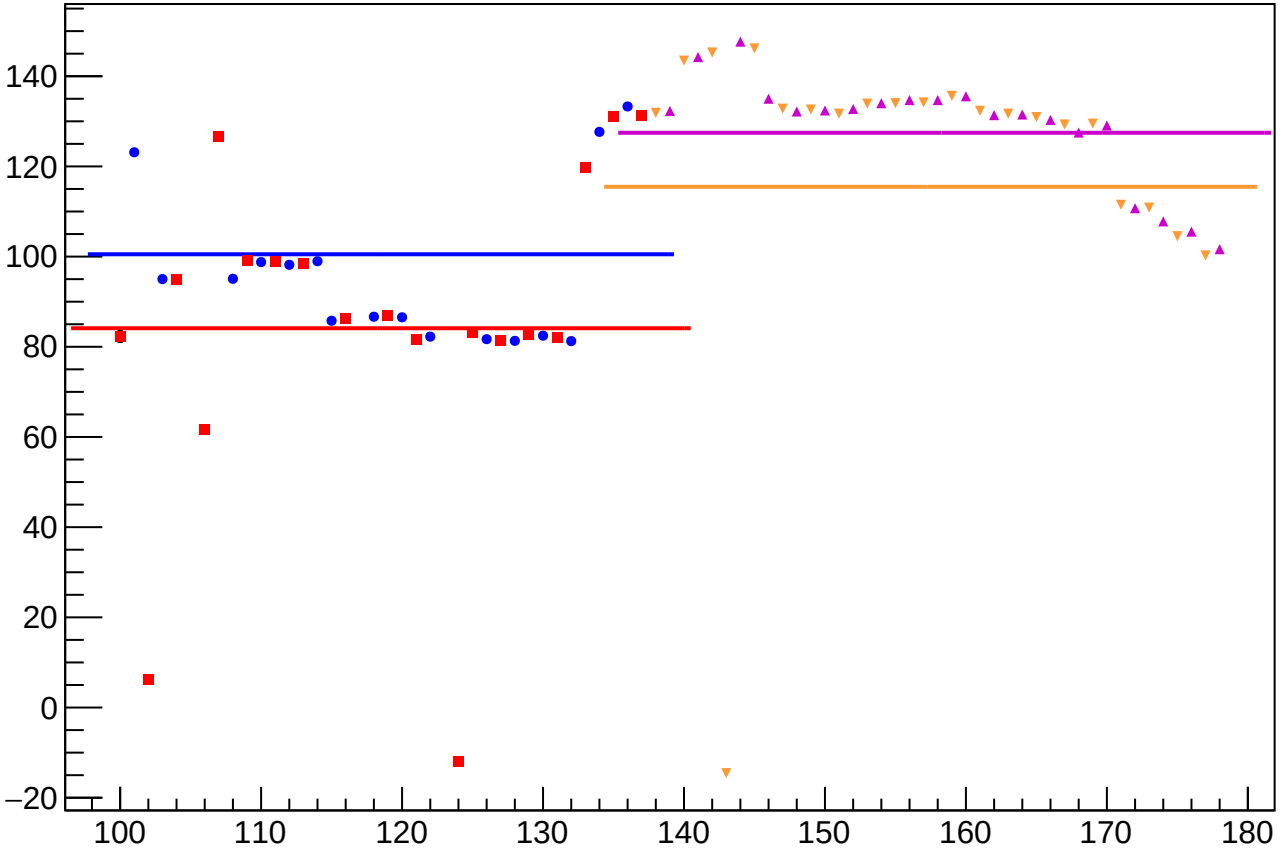
Left In: -78.070+/-0.954 χ^2/NDF:244.8/19

+ sign -69.898+/-0.720 χ^2/NDF: 1144.7/36

All: -71.348+/-0.516 χ^2/NDF: 1900.9/75

- sign -72.873+/-0.739 χ^2/NDF: 747.9/38

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 115.476+/-0.043 χ^2/NDF:951070.4/20

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

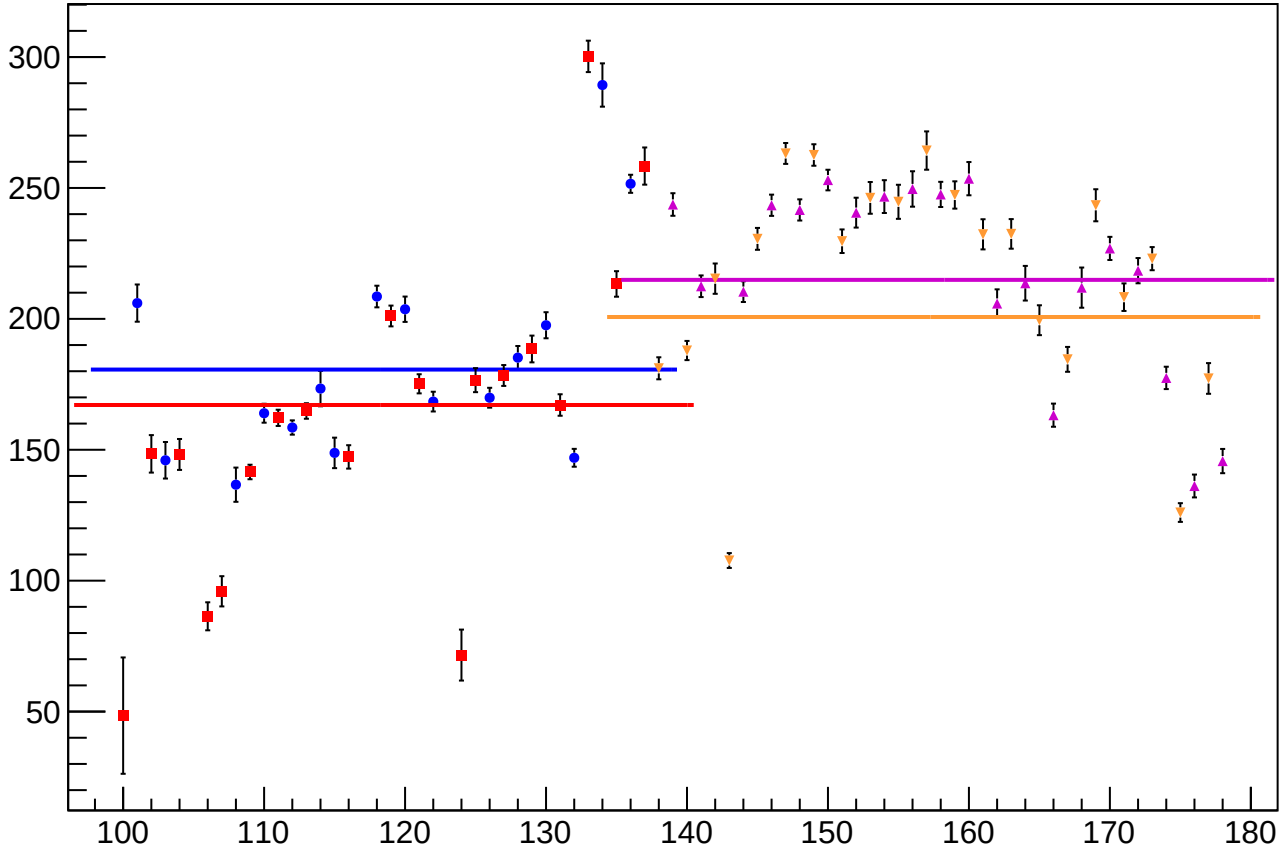
Left In: 127.459+/-0.043 χ^2/NDF:83036.9/19

\+ sign 111.755+/-0.037 χ^2/NDF: 1049265.3/36

All: 113.509+/-0.026 χ^2/NDF: 1682322.6/75

\- sign 115.248+/-0.037 χ^2/NDF: 628555.1/38

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: 200.708+/-1.011 χ^2/NDF:2535.3/20

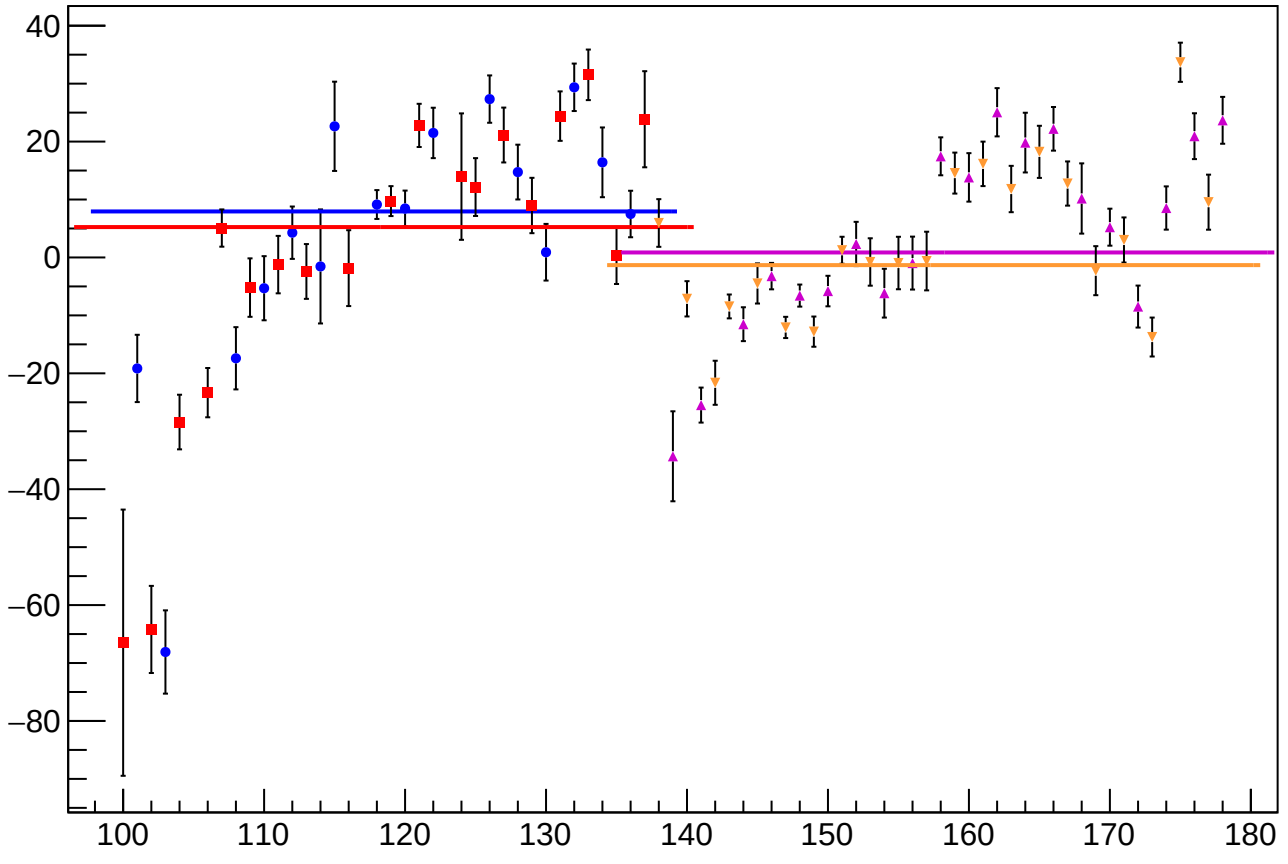
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 214.897+/-1.065 χ^2/NDF:1161.3/19

+ sign 191.417+/-0.741 χ^2/NDF: 3711.0/36

All: 190.699+/-0.523 χ^2/NDF: 7408.5/75

- sign 189.989+/-0.737 χ^2/NDF: 3695.6/38



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -1.323+/-0.707 χ^2/NDF:314.8/20

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

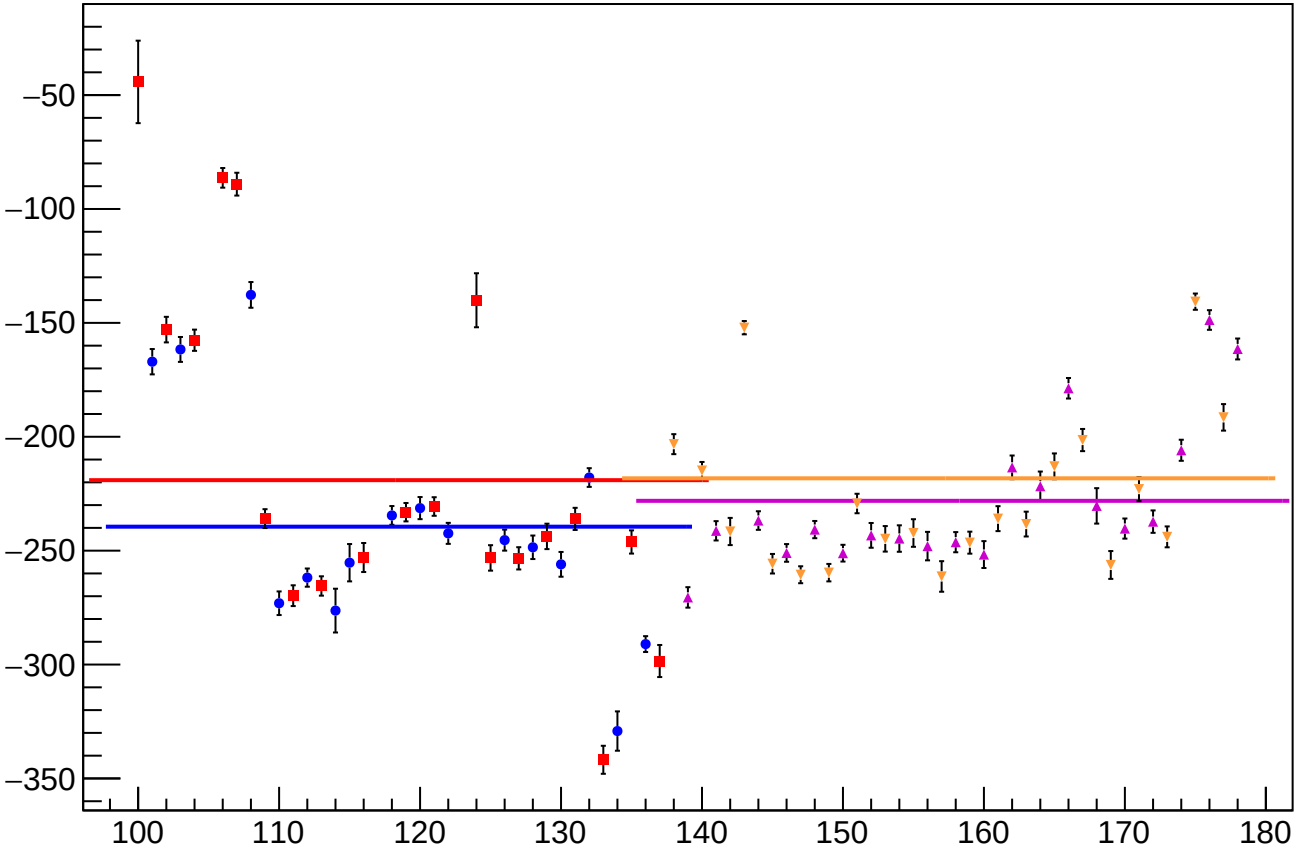
Left In: 0.861+/-0.758 χ^2/NDF:329.7/19

\+ sign 1.338+/-0.597 χ^2/NDF: 597.1/36

All: 1.822+/-0.429 χ^2/NDF: 1242.4/75

\- sign 2.339+/-0.617 χ^2/NDF: 643.9/38

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -218.238+/-1.000 χ^2/NDF:1584.4/20

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

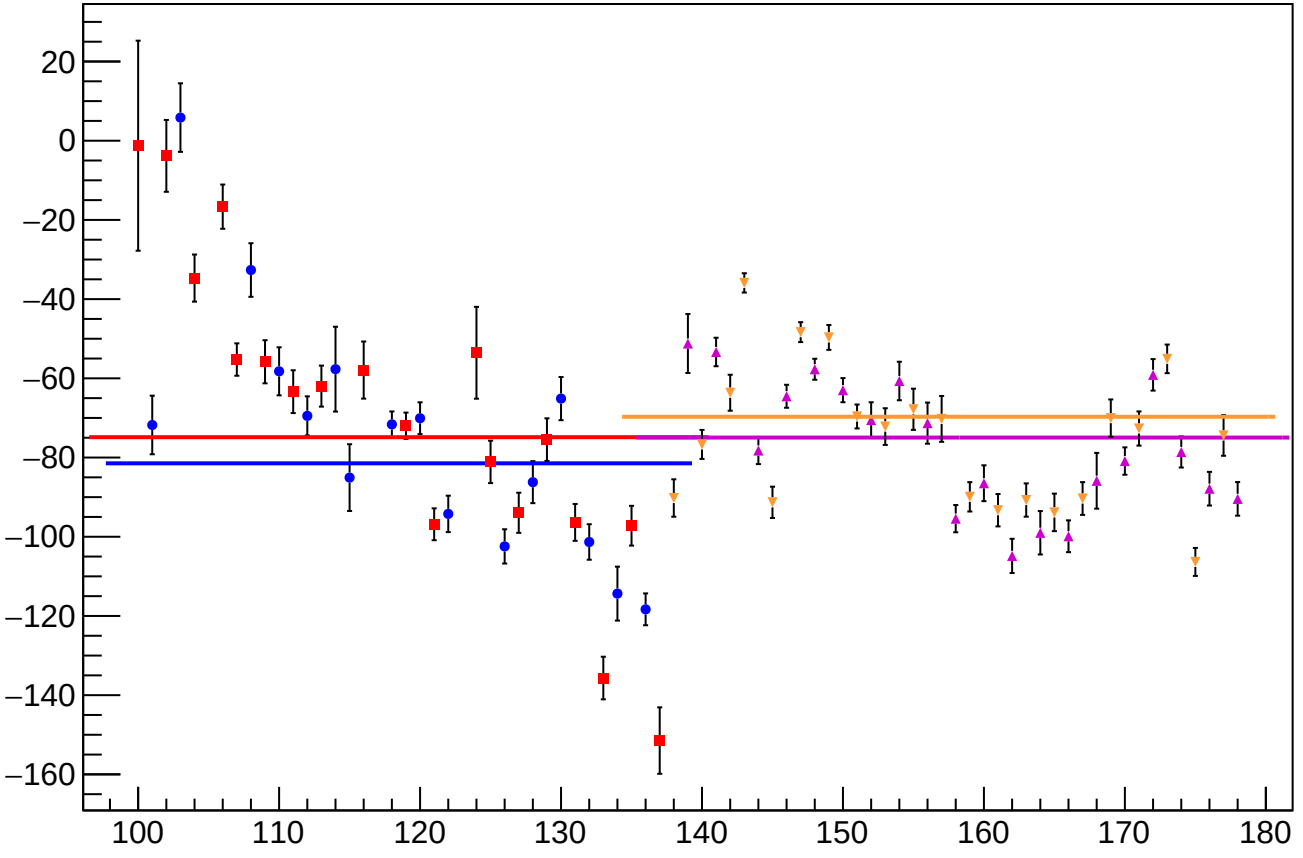
Left In: -228.124+/-1.047 χ^2/NDF:960.3/19

+ sign -226.563+/-0.780 χ^2/NDF: 2923.3/36

All: -225.341+/-0.552 χ^2/NDF: 6971.0/75

- sign -224.112+/-0.782 χ^2/NDF: 4042.7/38

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -69.702+/-0.825 χ^2/NDF:624.4/20

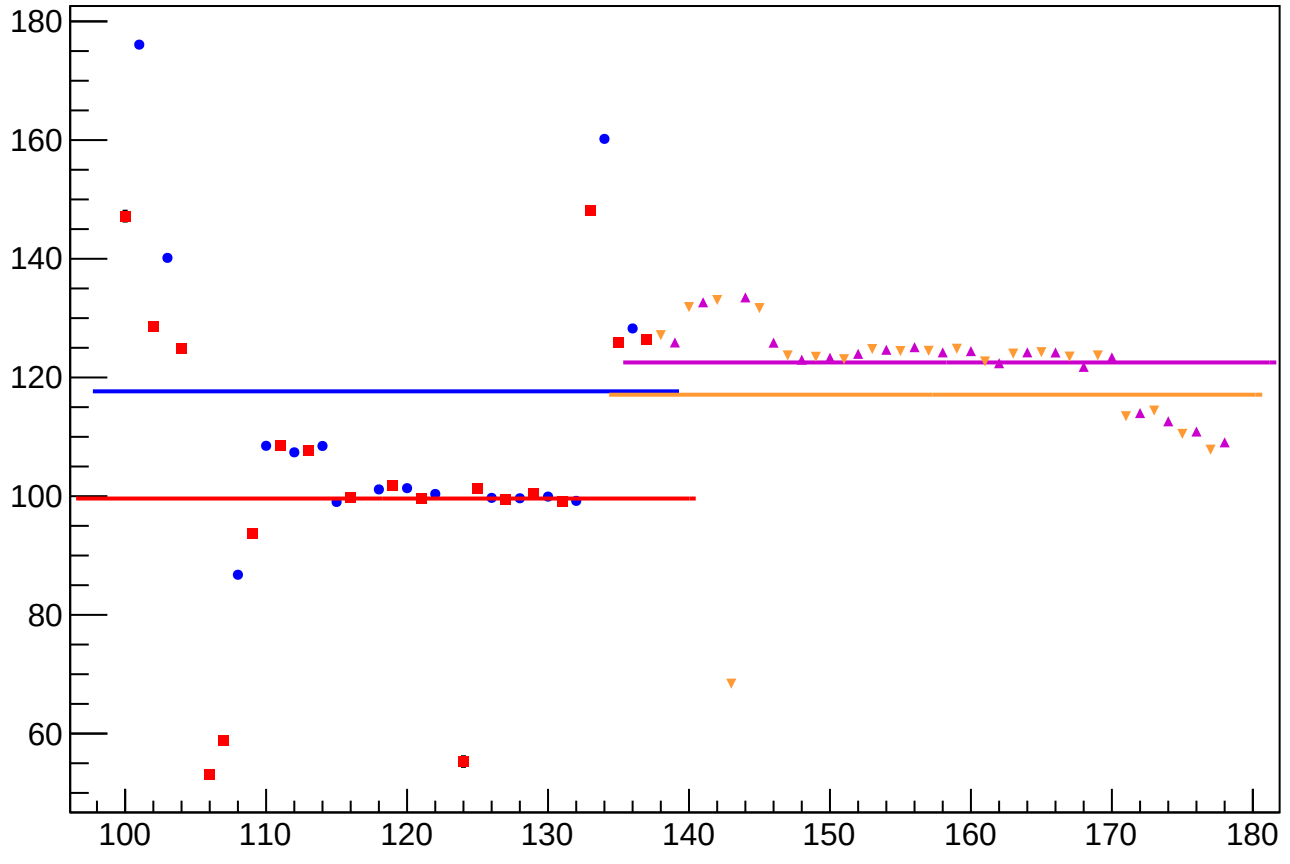
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -74.956+/-0.876 χ^2/NDF:319.9/19

+ sign -73.128+/-0.695 χ^2/NDF: 1050.1/36

All: -74.002+/-0.498 χ^2/NDF: 1949.9/75

- sign -74.924+/-0.714 χ^2/NDF: 896.5/38



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 117.098+/-0.039 χ^2/NDF:203030.0/20

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

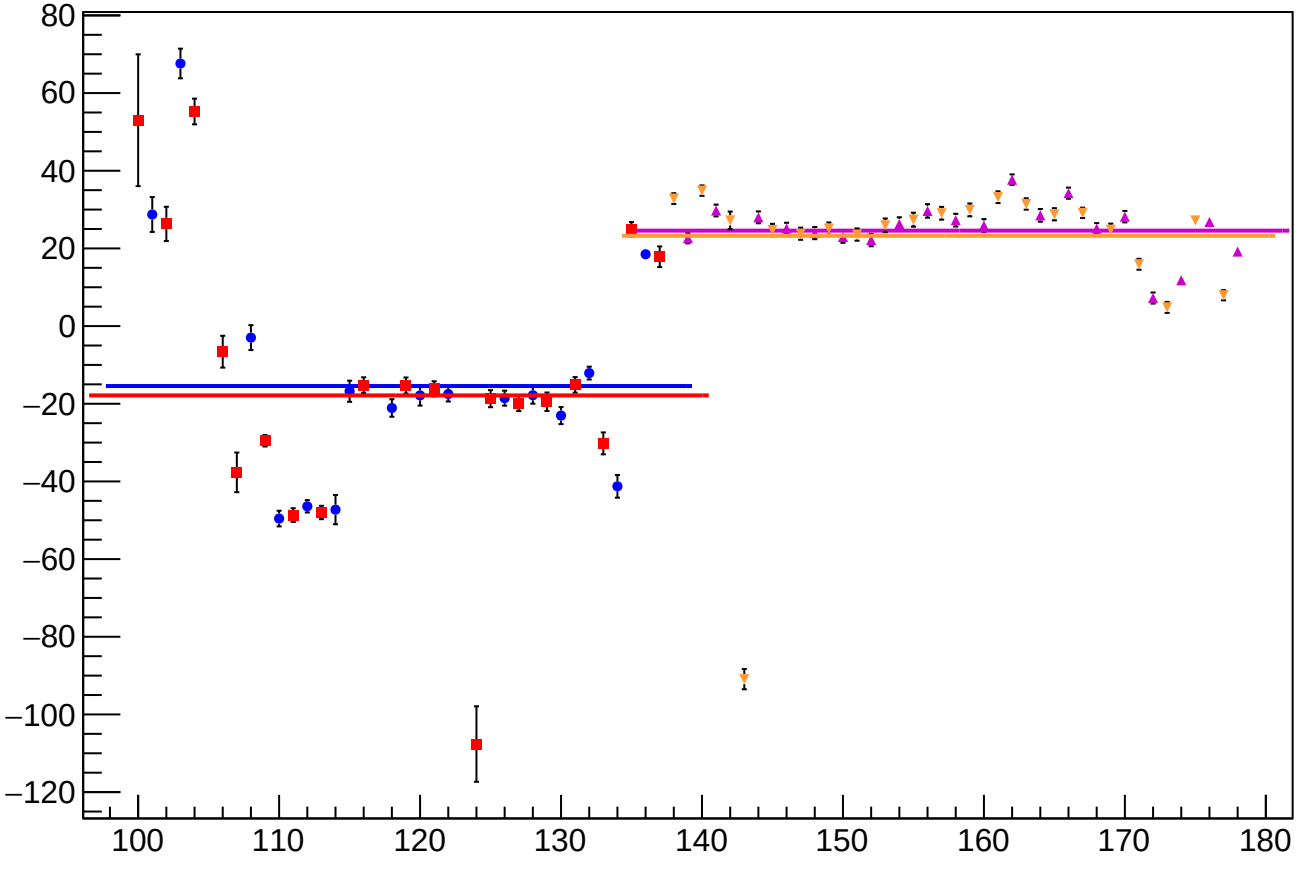
Left In: 122.532+/-0.040 χ^2/NDF:23266.9/19

+ sign 117.211+/-0.035 χ^2/NDF: 298469.4/36

All: 117.064+/-0.025 χ^2/NDF: 568318.9/75

- sign 116.917+/-0.035 χ^2/NDF: 269813.9/38

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 23.253+/-0.331 χ^2/NDF:2529.0/20

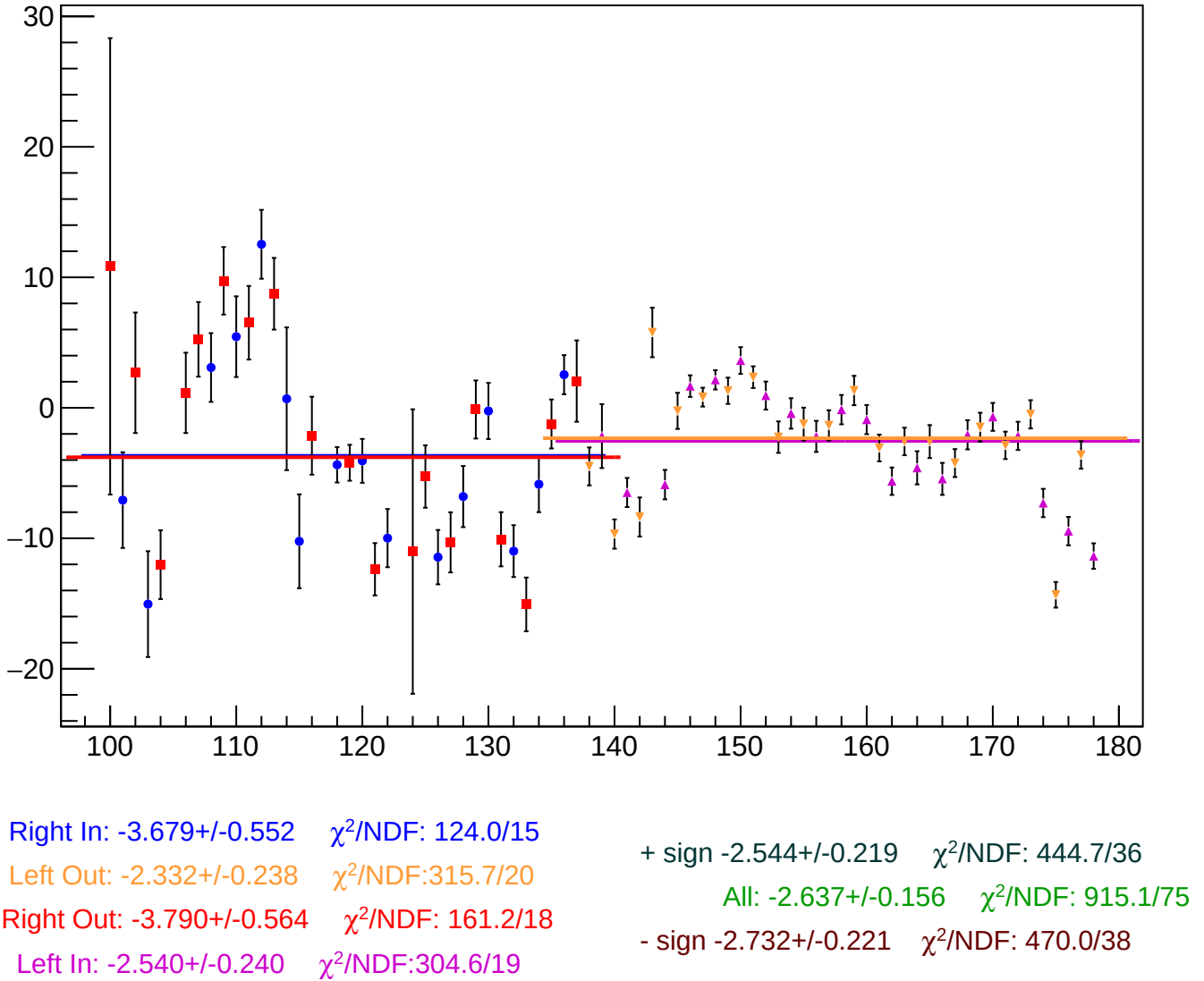
Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 24.575+/-0.324 χ^2/NDF:468.5/19

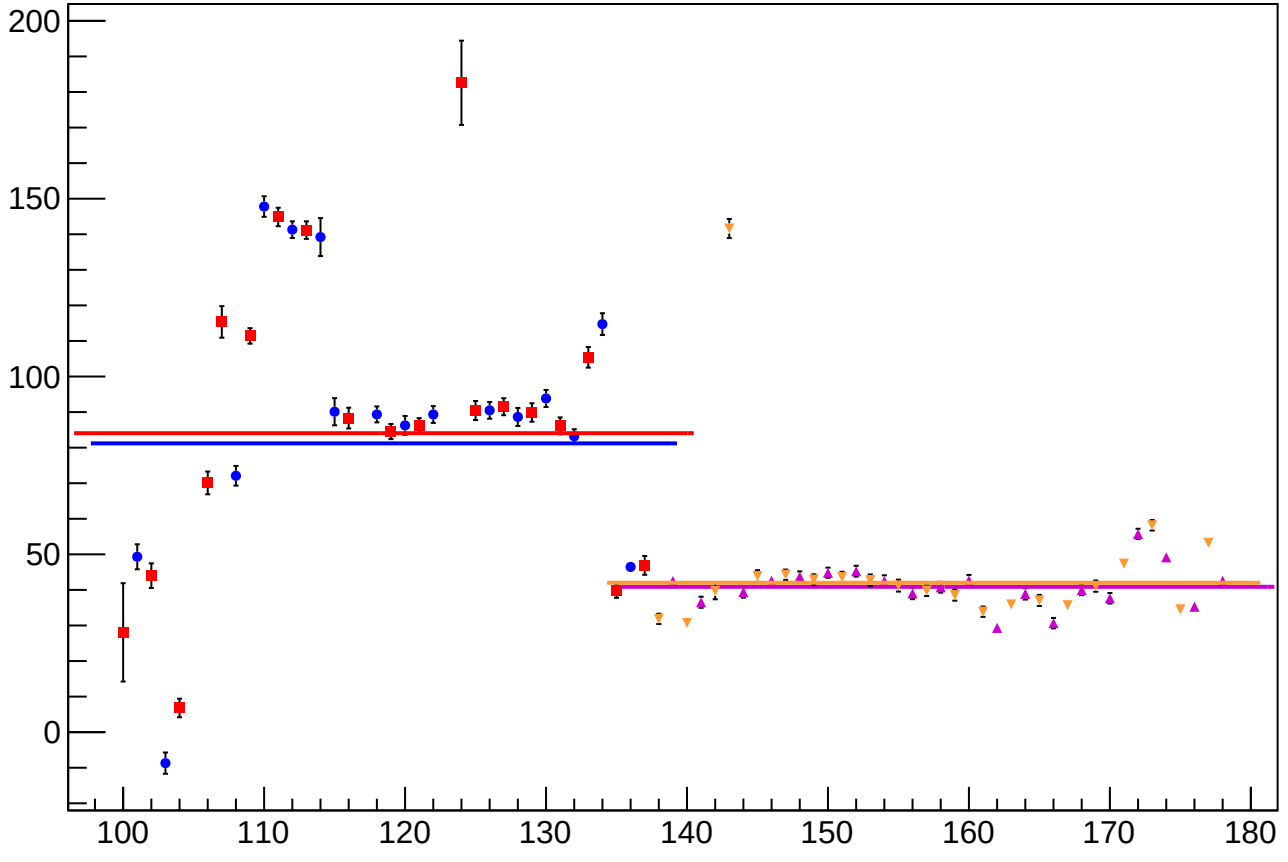
+ sign 12.677+/-0.282 χ^2/NDF: 8396.9/36

All: 12.840+/-0.197 χ^2/NDF: 15656.1/75

- sign 12.997+/-0.277 χ^2/NDF: 7258.5/38


reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
180
Right In: -3.679+/-0.552 χ²/NDF: 124.0/15
Left Out: -2.332+/-0.238 χ²/NDF:315.7/20
Right Out: -3.790+/-0.564 χ²/NDF: 161.2/18
Left In: -2.540+/-0.240 χ²/NDF:304.6/19
+ sign -2.544+/-0.219 χ²/NDF: 444.7/36
All: -2.637+/-0.156 χ²/NDF: 915.1/75
- sign -2.732+/-0.221 χ²/NDF: 470.0/38

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 42.017+/-0.325 χ^2/NDF:1848.7/20

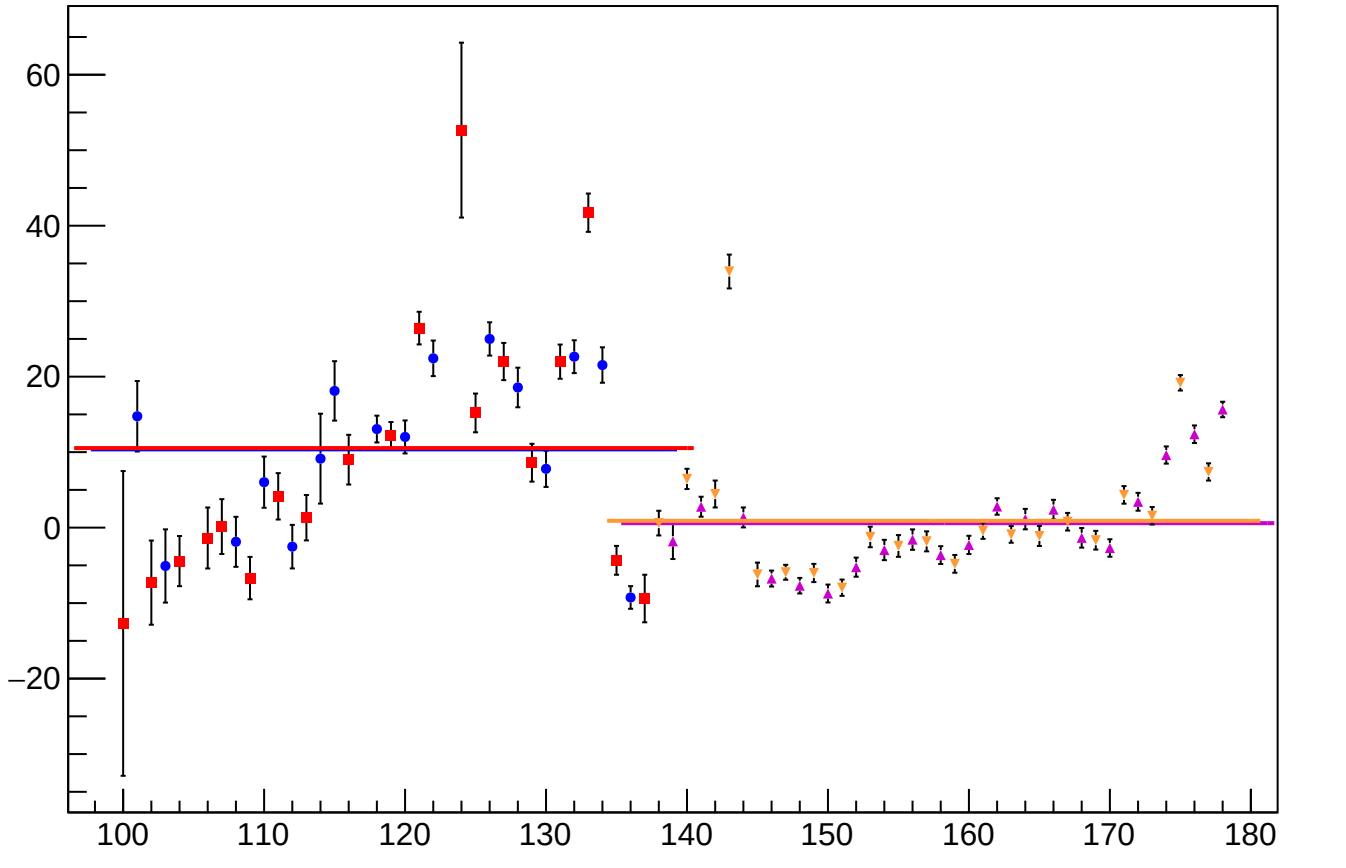
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 40.873+/-0.320 χ^2/NDF:336.2/19

+ sign 50.752+/-0.287 χ^2/NDF: 8317.2/36

All: 50.386+/-0.202 χ^2/NDF: 15734.0/75

- sign 50.028+/-0.284 χ^2/NDF: 7413.6/38



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: 0.905+/-0.272 χ^2/NDF:812.6/20

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

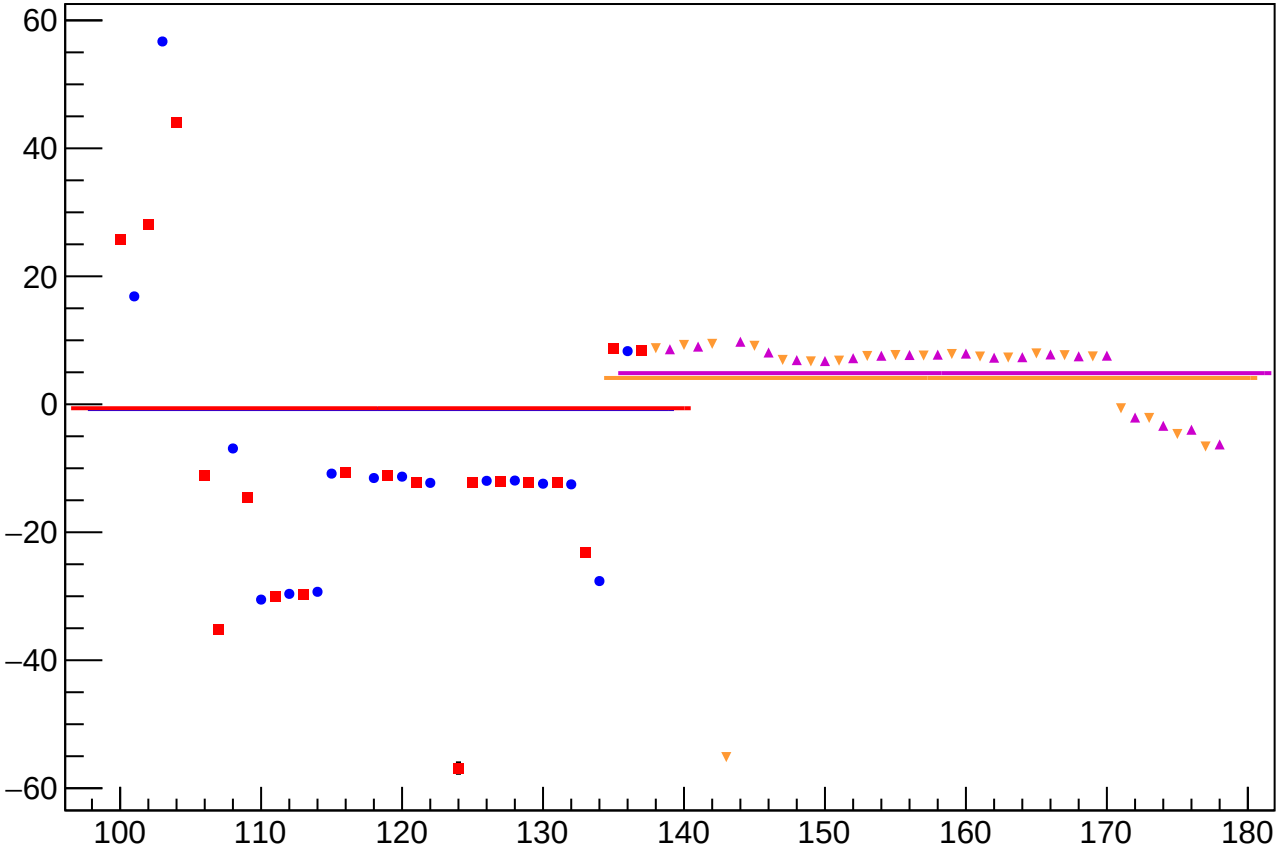
Left In: 0.591+/-0.272 χ^2/NDF:630.7/19

+ sign 2.404+/-0.249 χ^2/NDF: 1364.3/36

All: 2.260+/-0.177 χ^2/NDF: 2670.9/75

- sign 2.115+/-0.251 χ^2/NDF: 1305.9/38

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 4.113+/-0.012 χ^2/NDF:458760.1/20

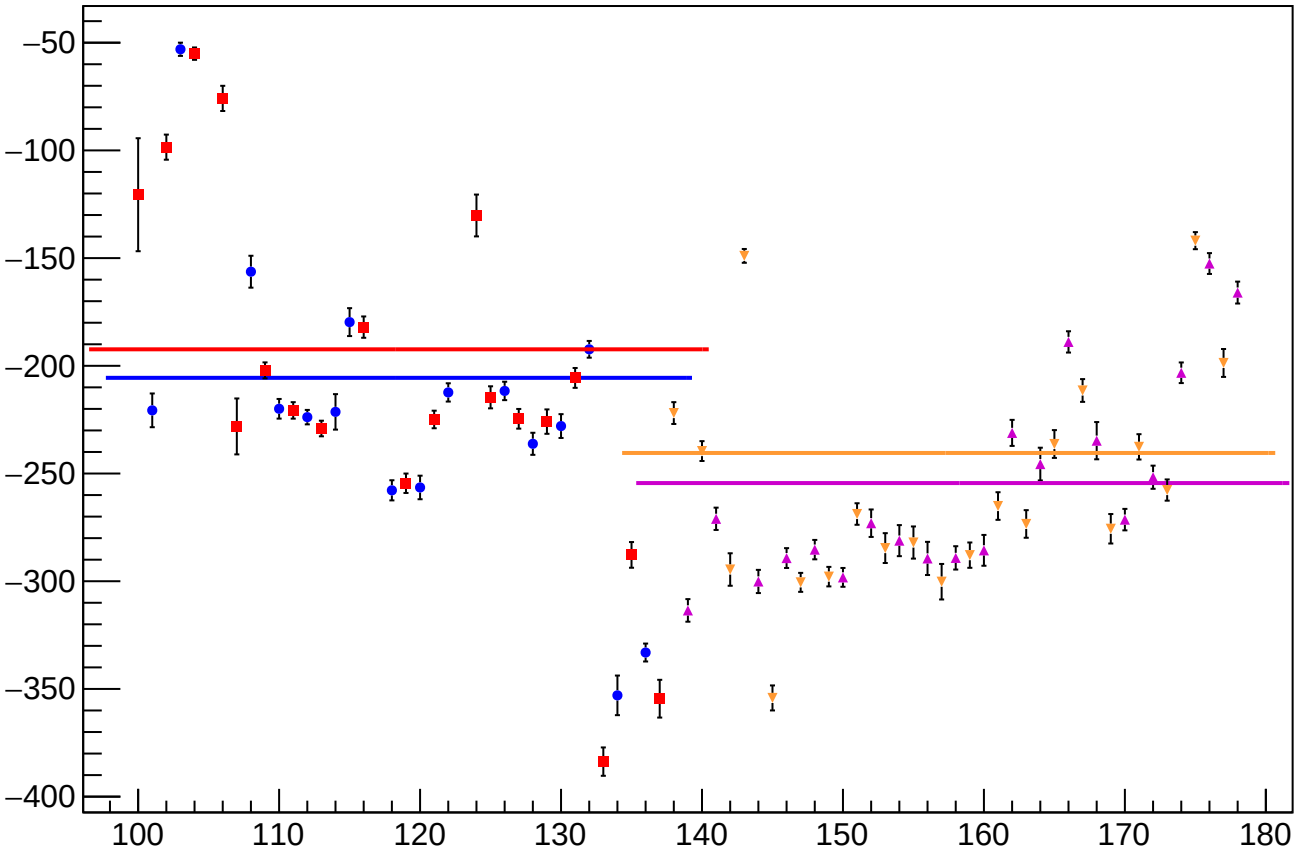
Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 4.867+/-0.012 χ^2/NDF:181365.4/19

+ sign 3.607+/-0.012 χ^2/NDF: 843179.4/36

All: 3.985+/-0.008 χ^2/NDF: 1362700.3/75

- sign 4.353+/-0.011 χ^2/NDF: 517422.3/38



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -240.454+/-1.162 χ^2/NDF:2600.4/20

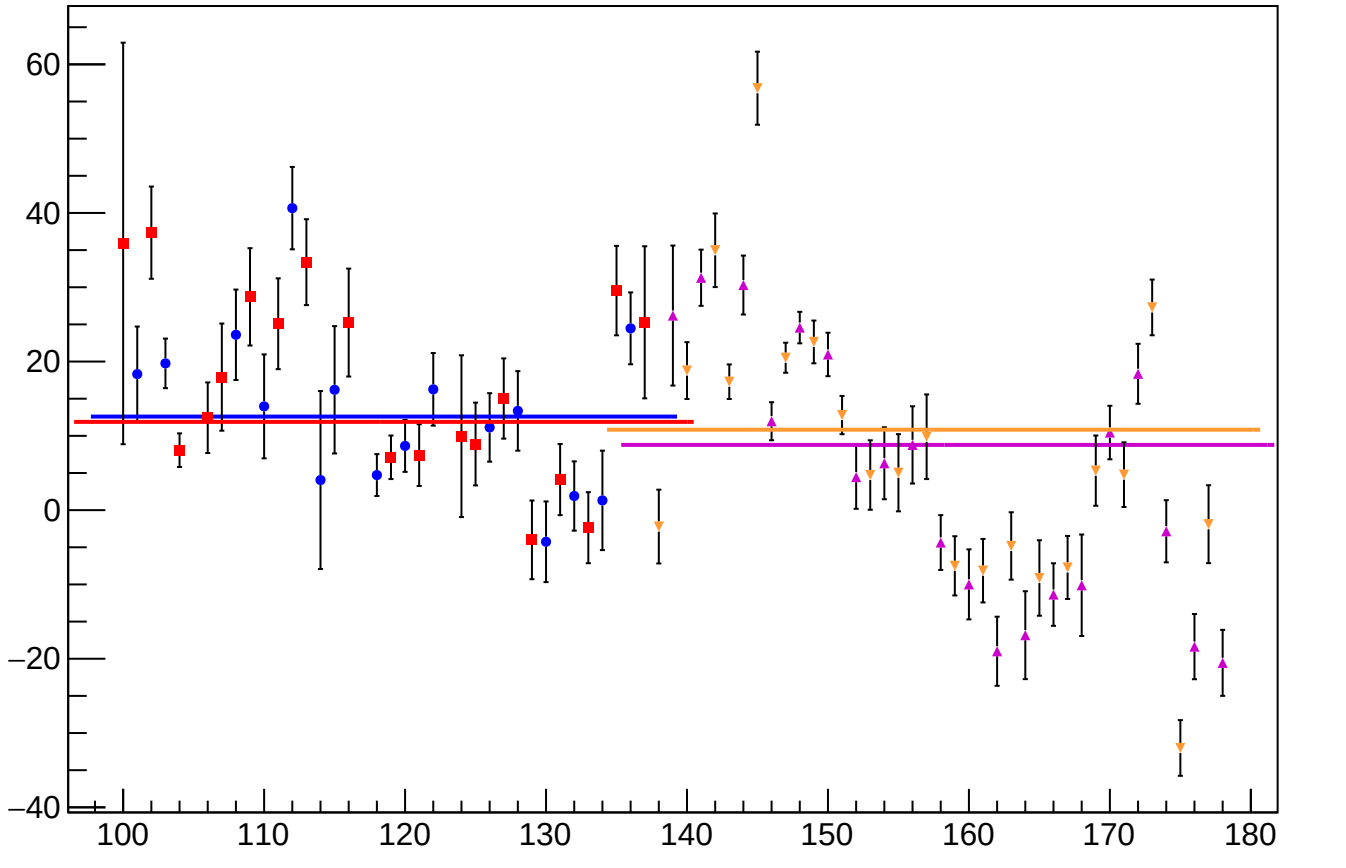
Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -254.430+/-1.221 χ^2/NDF:1586.8/19

+ sign -223.355+/-0.830 χ^2/NDF: 7098.2/36

All: -222.058+/-0.585 χ^2/NDF: 15060.3/75

- sign -220.771+/-0.827 χ^2/NDF: 7957.3/38



Right In: 12.592+/-1.203 χ^2/NDF: 68.5/15

Left Out: 10.827+/-0.805 χ^2/NDF:419.8/20

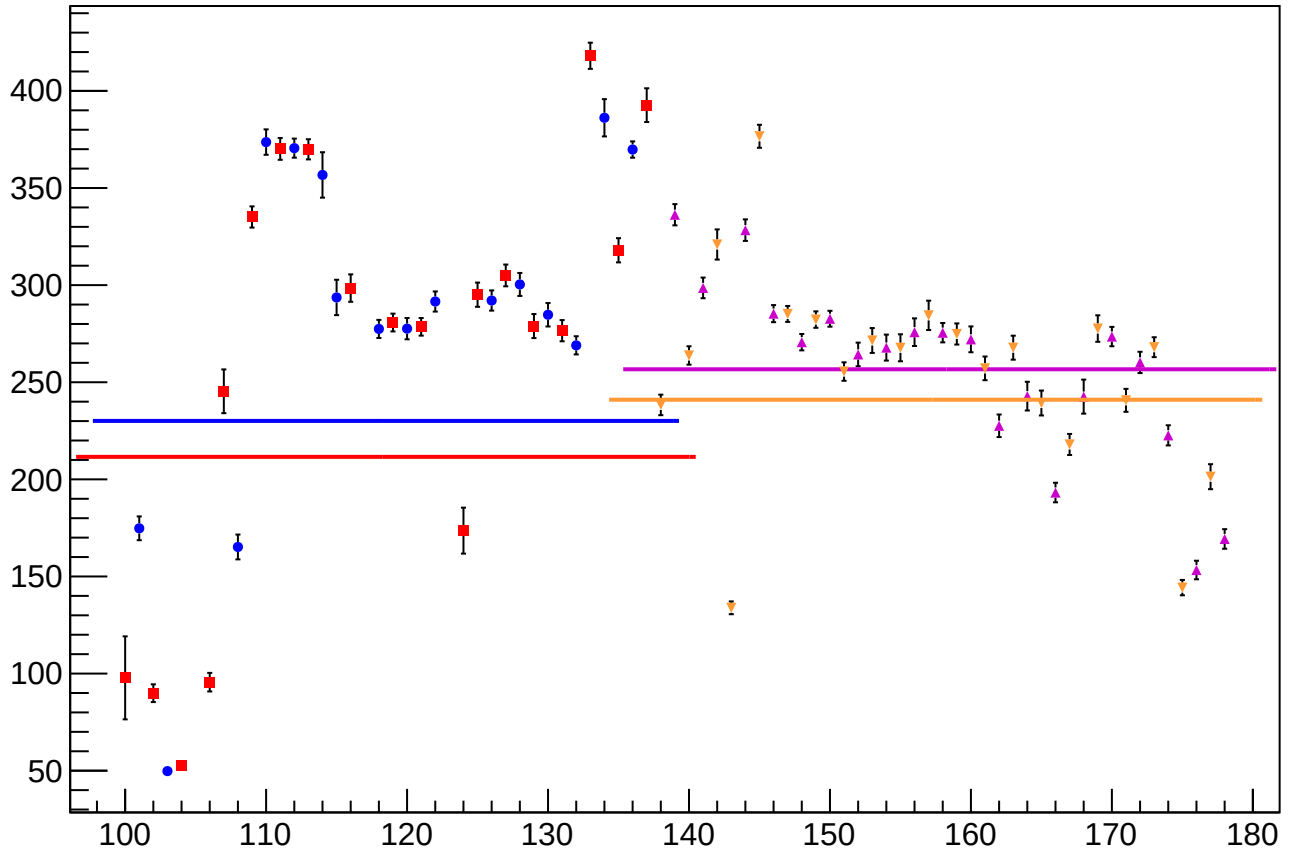
Right Out: 11.880+/-1.122 χ^2/NDF: 84.9/18

Left In: 8.781+/-0.864 χ^2/NDF:352.8/19

+ sign 11.374+/-0.669 χ^2/NDF: 489.8/36

All: 10.670+/-0.478 χ^2/NDF: 934.6/75

- sign 9.934+/-0.684 χ^2/NDF: 442.6/38



Right In: 230.095+/-1.260 χ^2/NDF: 9375.6/15

Left Out: 241.006+/-1.146 χ^2/NDF:2775.8/20

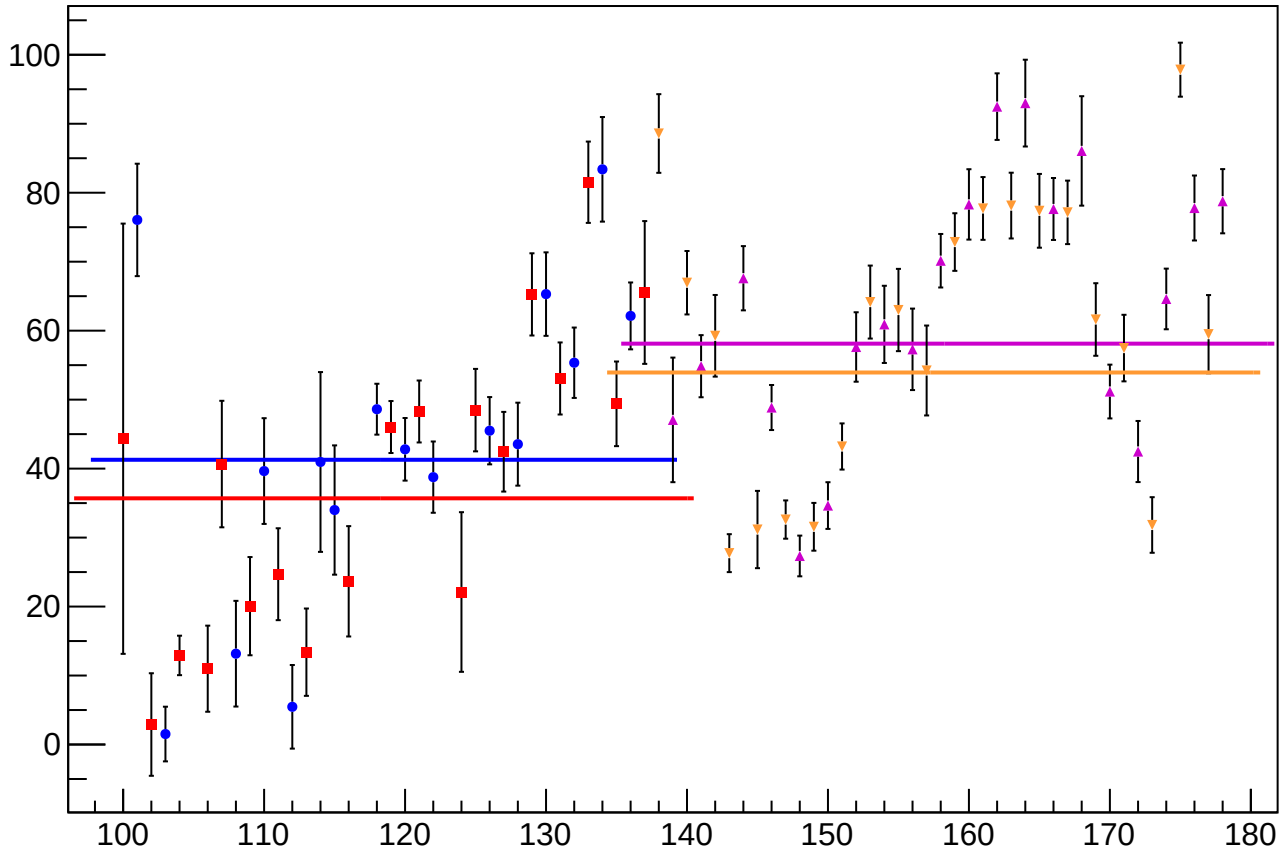
Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 256.676+/-1.199 χ^2/NDF:1579.6/19

+ sign 236.064+/-0.848 χ^2/NDF: 12192.5/36

All: 235.062+/-0.599 χ^2/NDF: 25956.3/75

- sign 234.062+/-0.847 χ^2/NDF: 13761.0/38



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 53.935+/-0.941 χ^2/NDF:547.7/20

Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

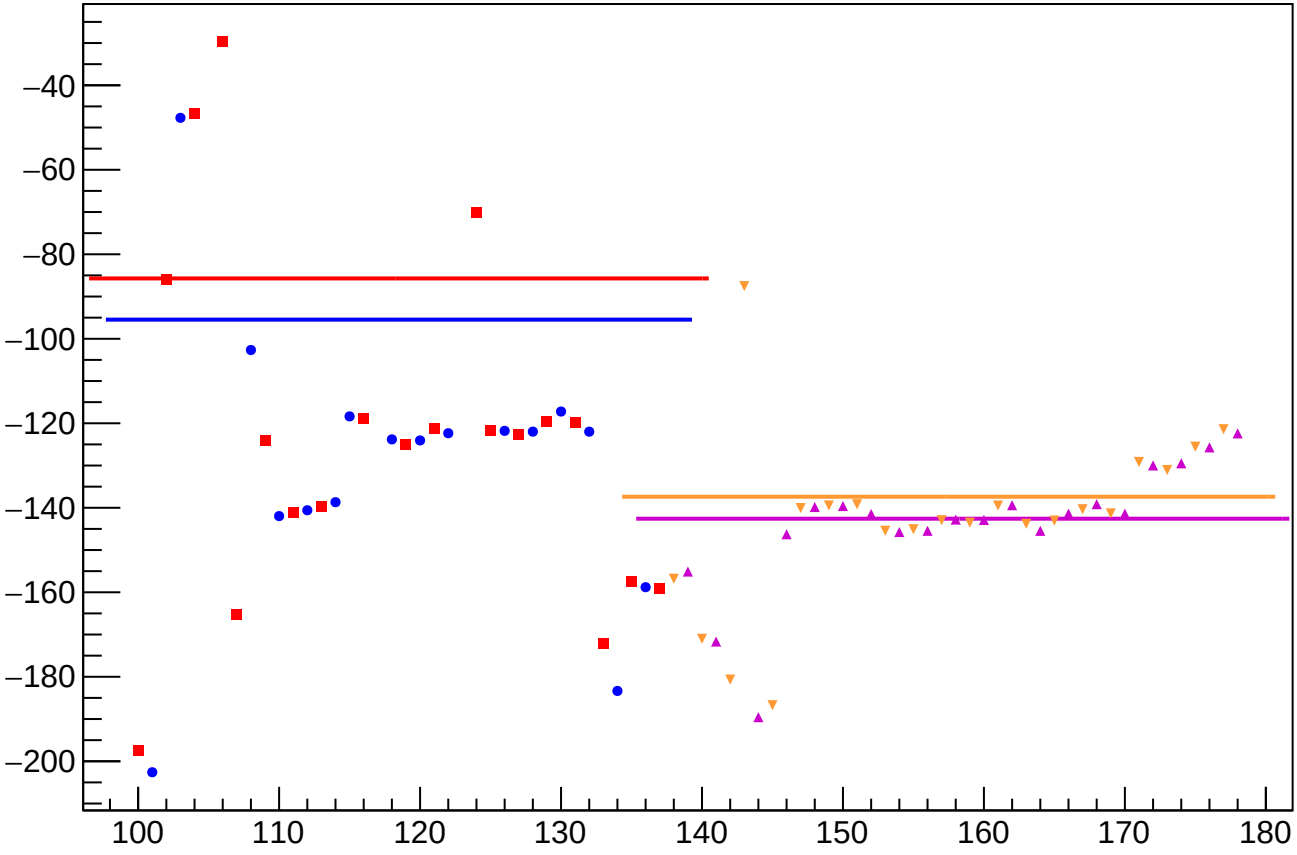
Left In: 58.116+/-0.999 χ^2/NDF:364.3/19

+ sign 49.988+/-0.781 χ^2/NDF: 849.9/36

All: 49.957+/-0.557 χ^2/NDF: 1651.4/75

- sign 49.925+/-0.796 χ^2/NDF: 801.5/38

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -137.387+/-0.045 χ^2/NDF:245932.7/20

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

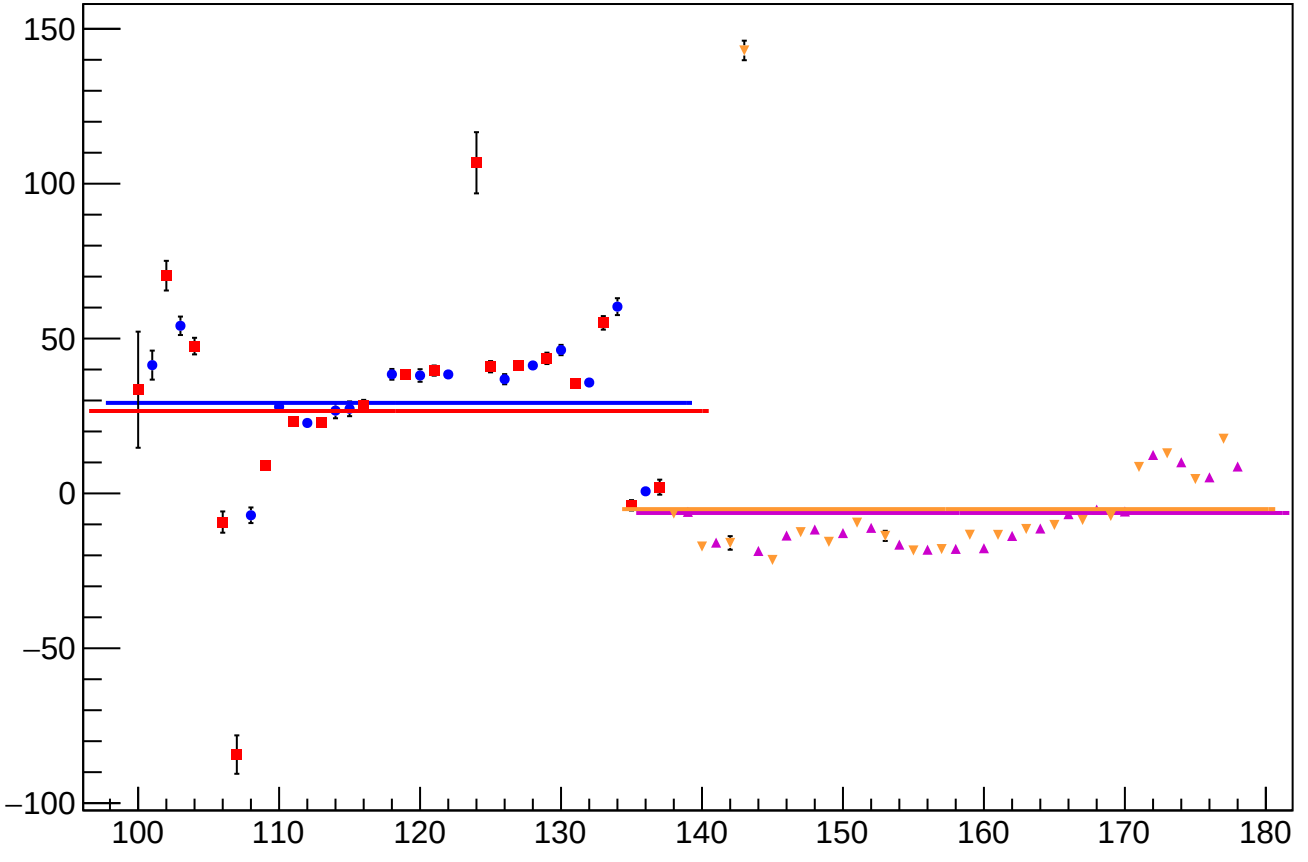
Left In: -142.584+/-0.046 χ^2/NDF:84177.1/19

+ sign -125.174+/-0.037 χ^2/NDF: 1024035.0/36

All: -124.835+/-0.027 χ^2/NDF: 2082922.5/75

- sign -124.491+/-0.038 χ^2/NDF: 1058722.8/38

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: -5.071+/-0.310 χ^2/NDF:3514.6/20

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

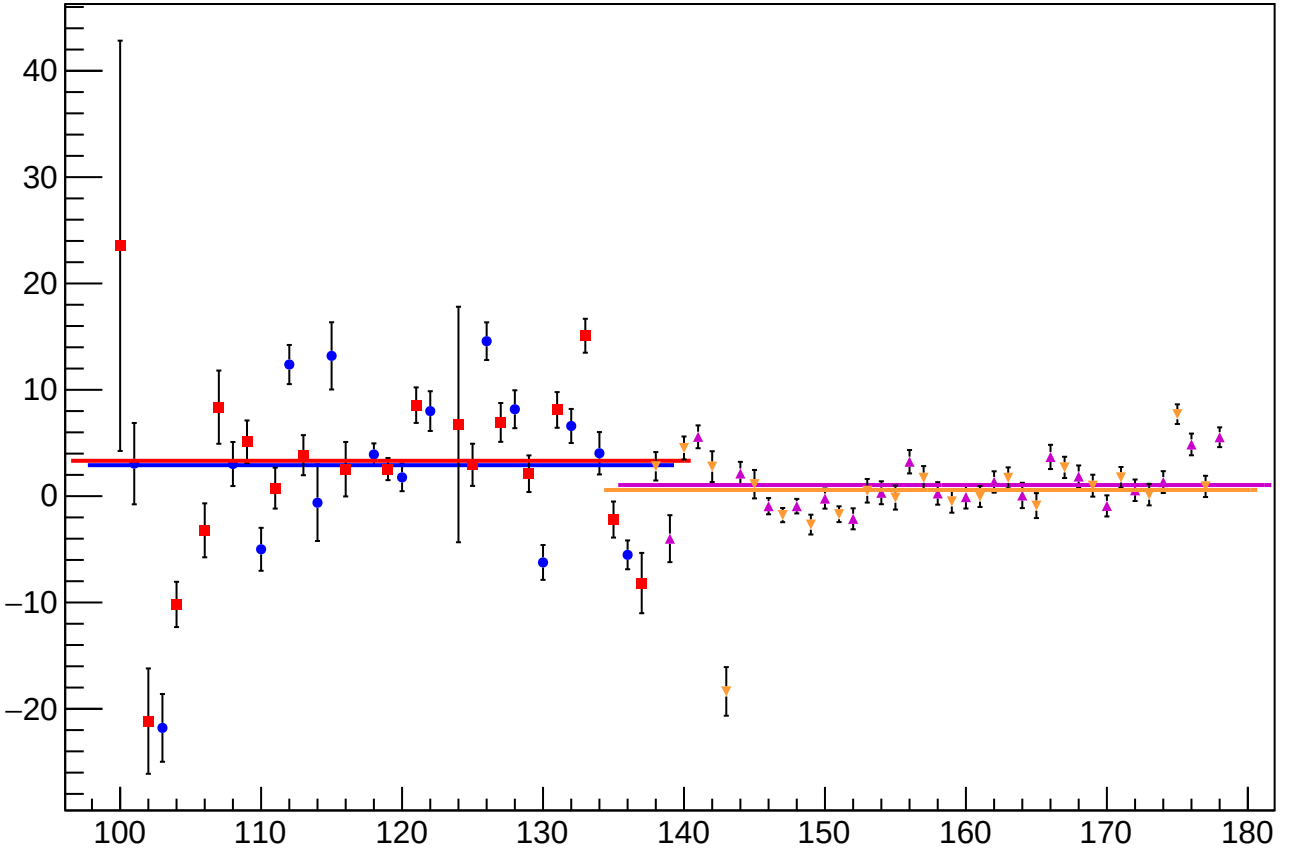
Left In: -6.315+/-0.304 χ^2/NDF:1136.0/19

\+ sign 6.864+/-0.250 χ^2/NDF: 9119.0/36

All: 6.013+/-0.175 χ^2/NDF: 16309.5/75

\- sign 5.198+/-0.245 χ^2/NDF: 7167.8/38

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: 0.579+/-0.223 χ^2/NDF:193.2/20

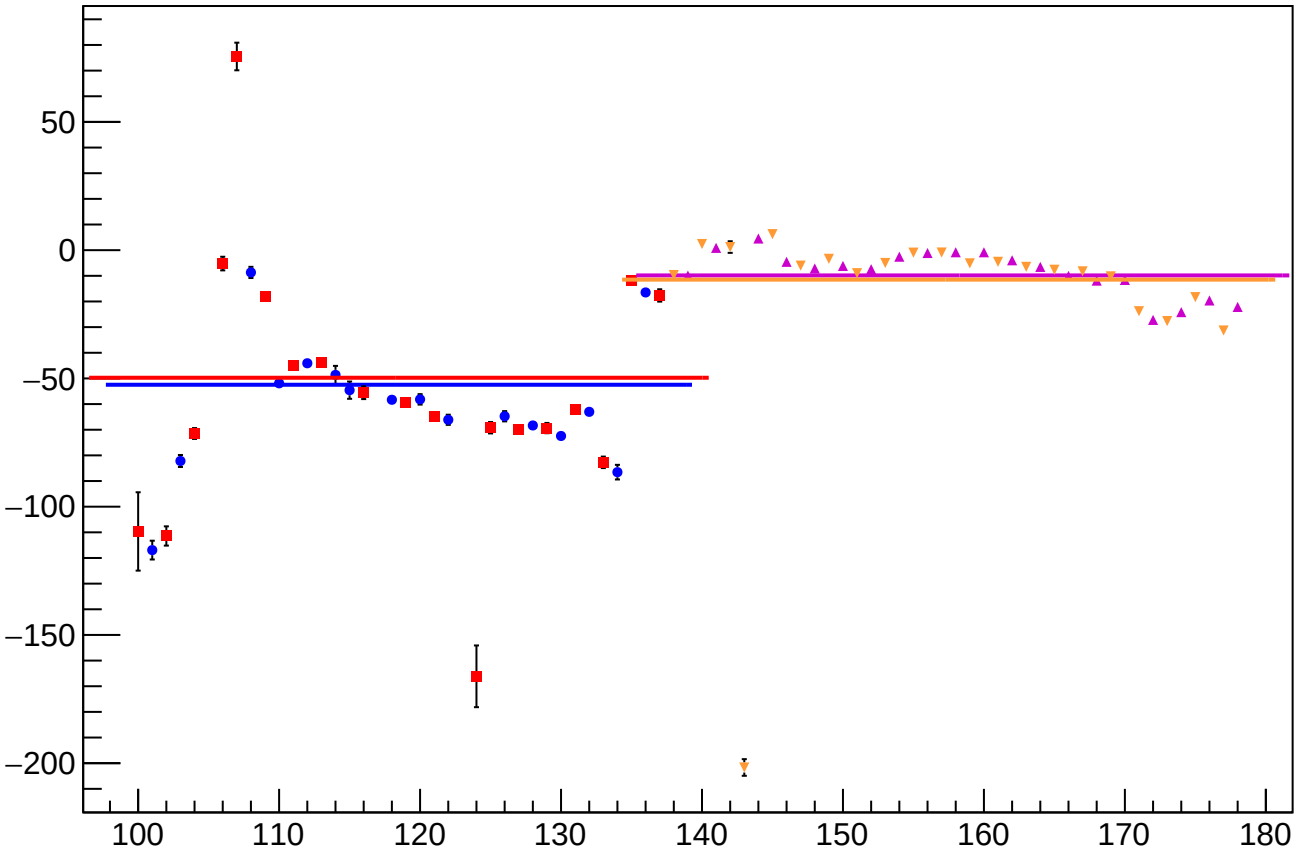
Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 1.045+/-0.225 χ^2/NDF:105.8/19

\+ sign 1.052+/-0.199 χ^2/NDF: 465.3/36

All: 1.271+/-0.142 χ^2/NDF: 775.6/75

\- sign 1.495+/-0.201 χ^2/NDF: 307.8/38



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -11.492+/-0.305 χ^2/NDF:4489.0/20

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

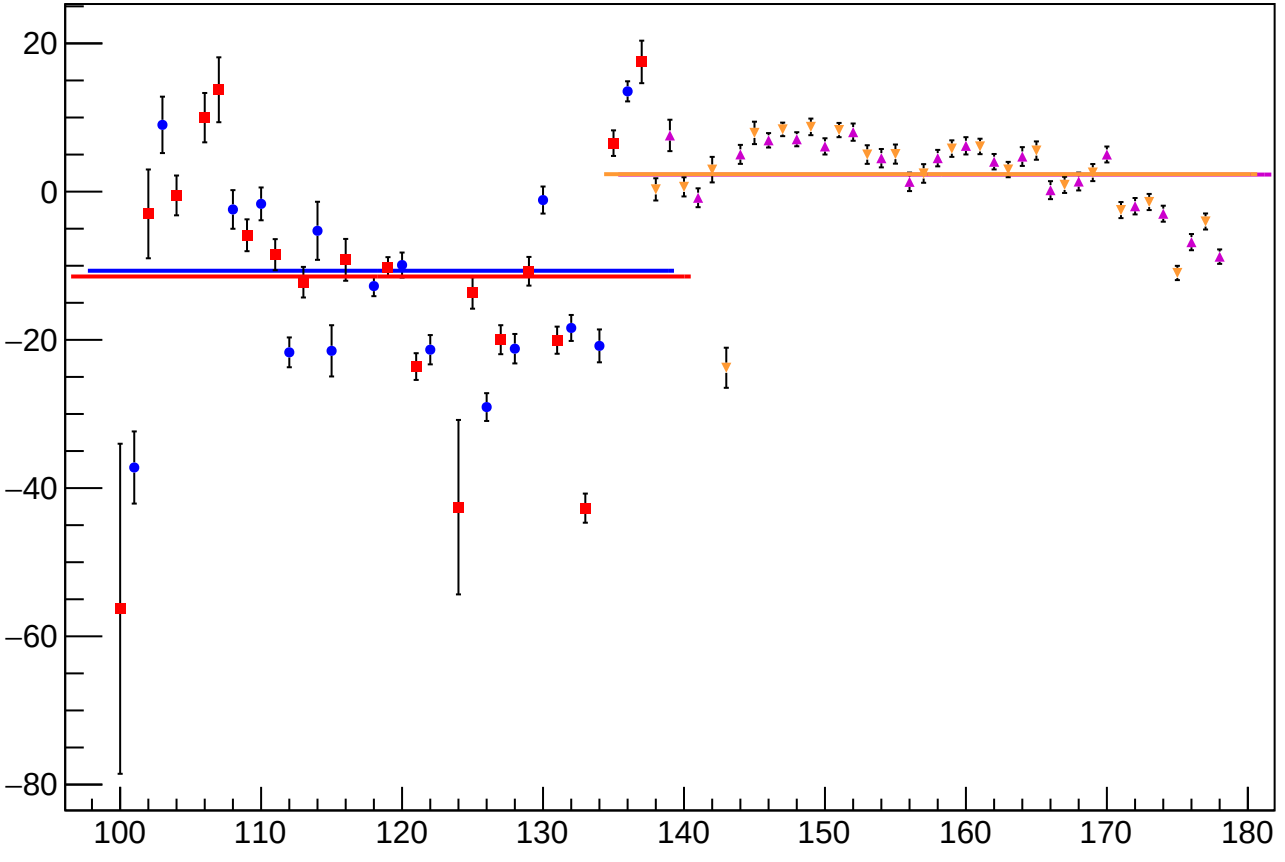
Left In: -9.843+/-0.299 χ^2/NDF:847.2/19

+ sign -22.987+/-0.258 χ^2/NDF: 11896.1/36

All: -21.751+/-0.182 χ^2/NDF: 20570.0/75

- sign -20.538+/-0.256 χ^2/NDF: 8628.5/38

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 2.354+/-0.255 χ^2/NDF:523.6/20

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

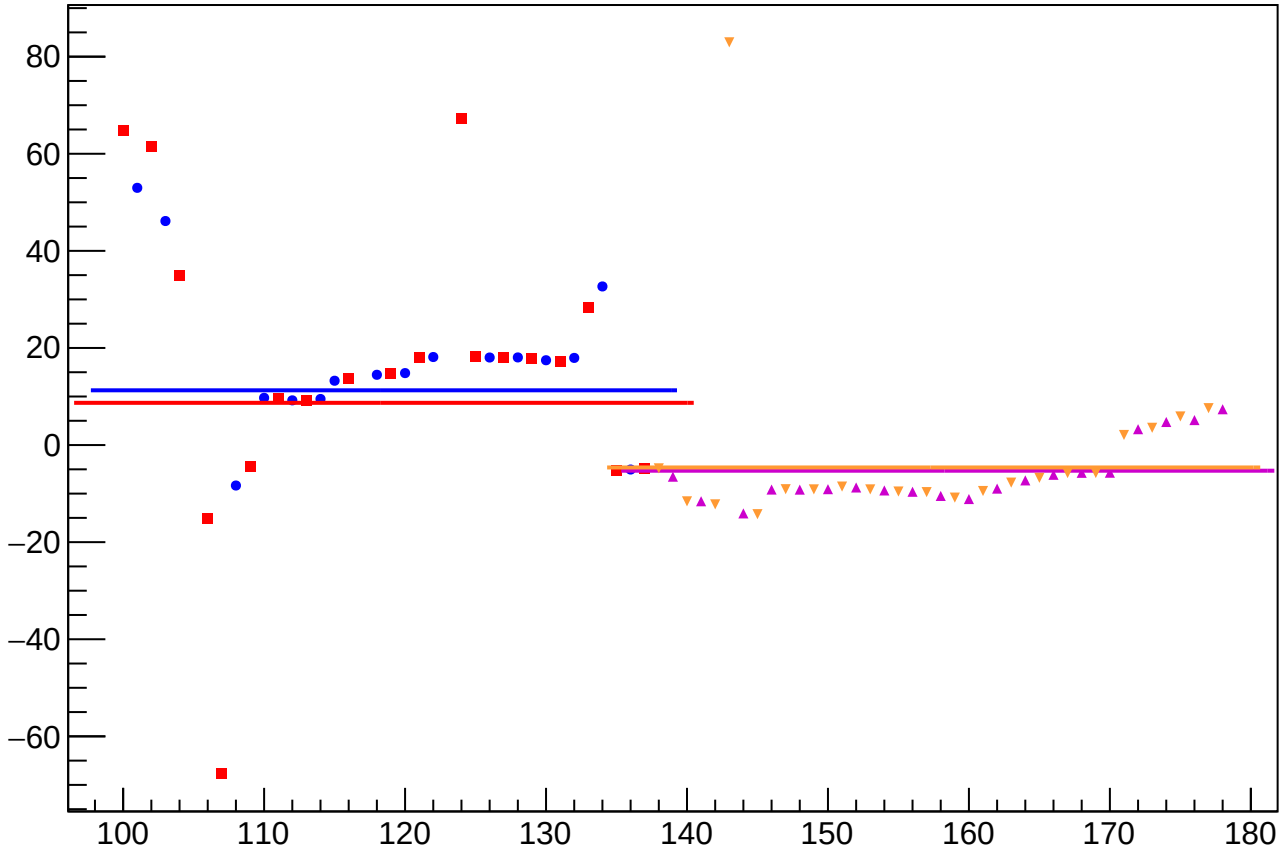
Left In: 2.302+/-0.255 χ^2/NDF:373.5/19

+ sign -0.281+/-0.227 χ^2/NDF: 1720.0/36

All: -0.340+/-0.161 χ^2/NDF: 3330.1/75

- sign -0.400+/-0.229 χ^2/NDF: 1609.9/38

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: -4.616+/-0.011 χ^2/NDF:725264.1/20

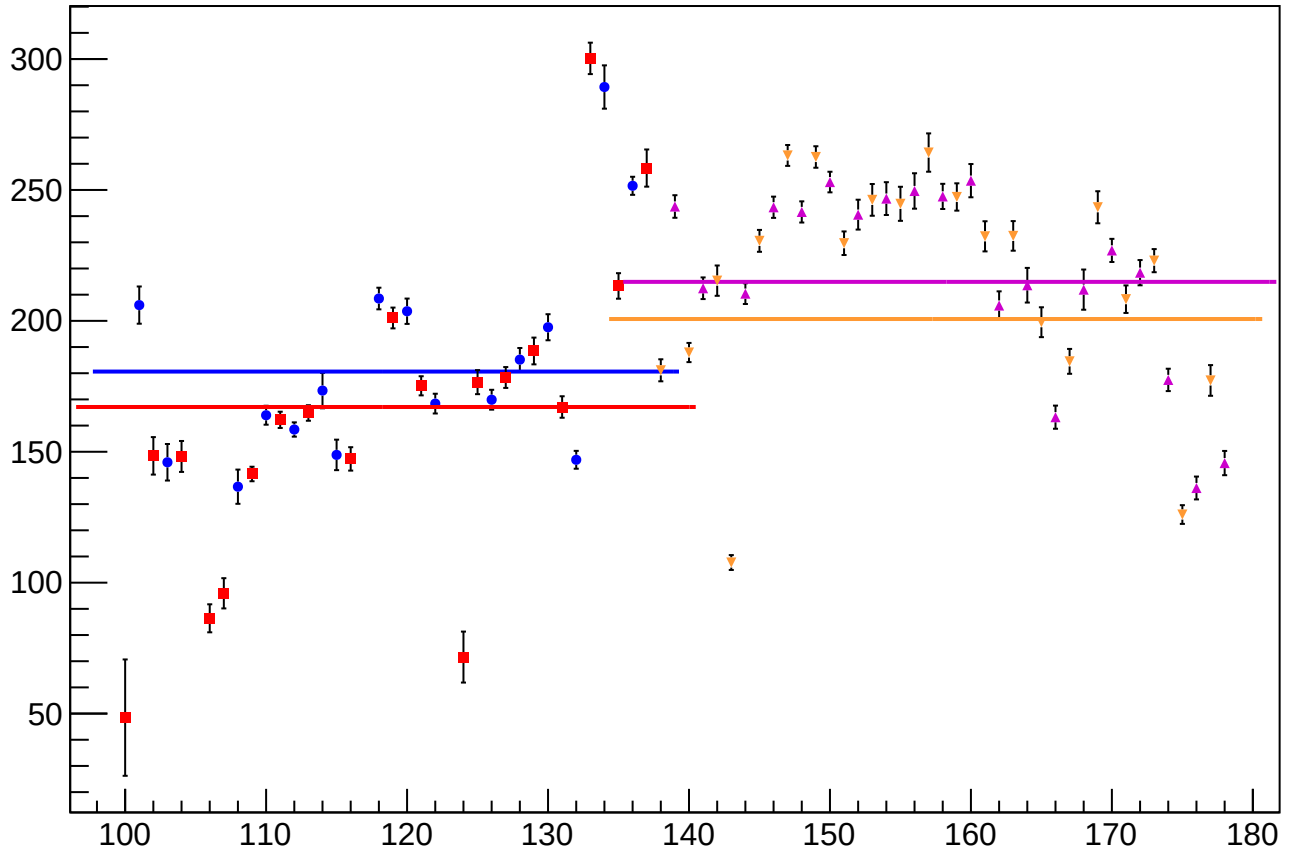
Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -5.284+/-0.011 χ^2/NDF:306856.2/19

+ sign -2.589+/-0.011 χ^2/NDF: 1320735.4/36

All: -3.152+/-0.008 χ^2/NDF: 2244855.3/75

- sign -3.703+/-0.011 χ^2/NDF: 918626.0/38



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 200.708+/-1.011 χ^2/NDF:2535.3/20

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

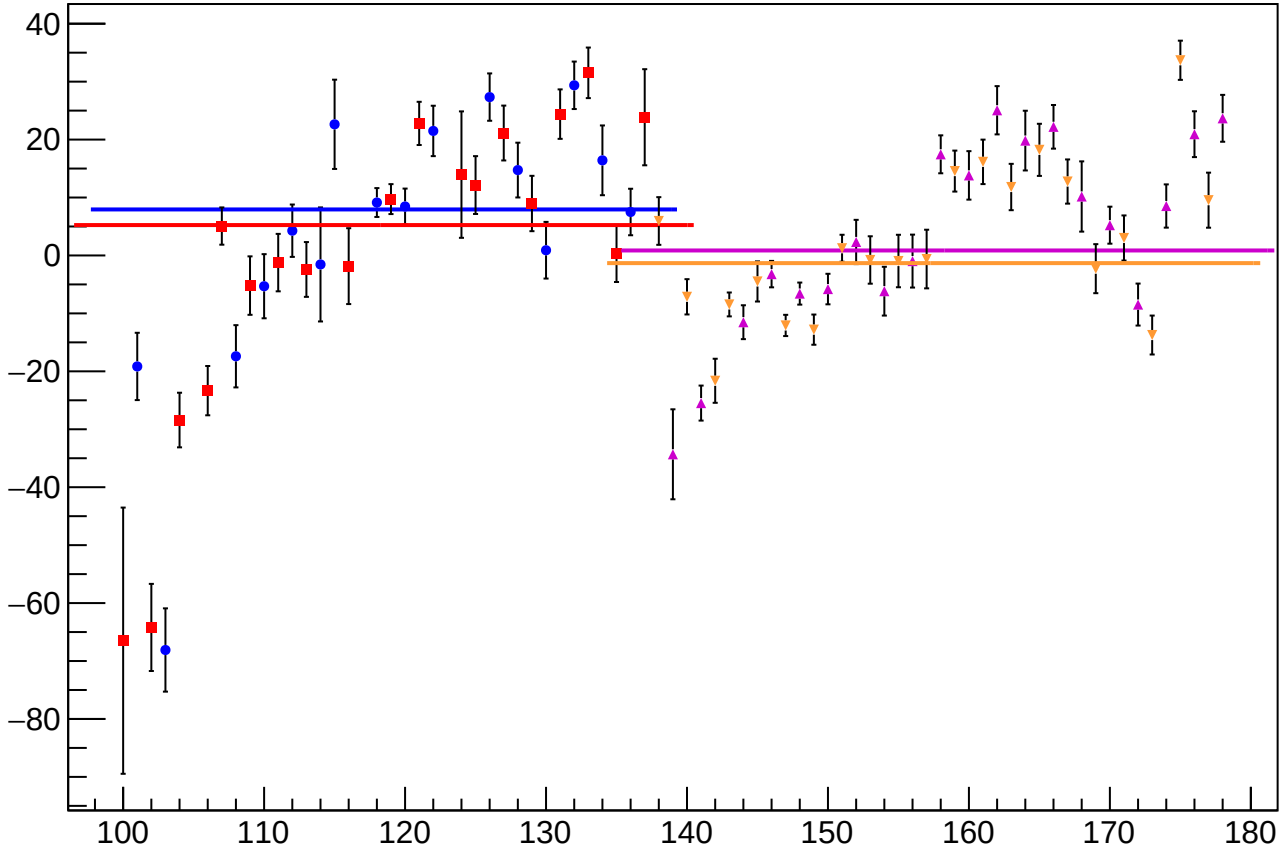
Left In: 214.897+/-1.065 χ^2/NDF:1161.3/19

+ sign 191.417+/-0.741 χ^2/NDF: 3711.0/36

All: 190.699+/-0.523 χ^2/NDF: 7408.5/75

- sign 189.989+/-0.737 χ^2/NDF: 3695.6/38

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs Slug



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -1.323+/-0.707 χ^2/NDF:314.8/20

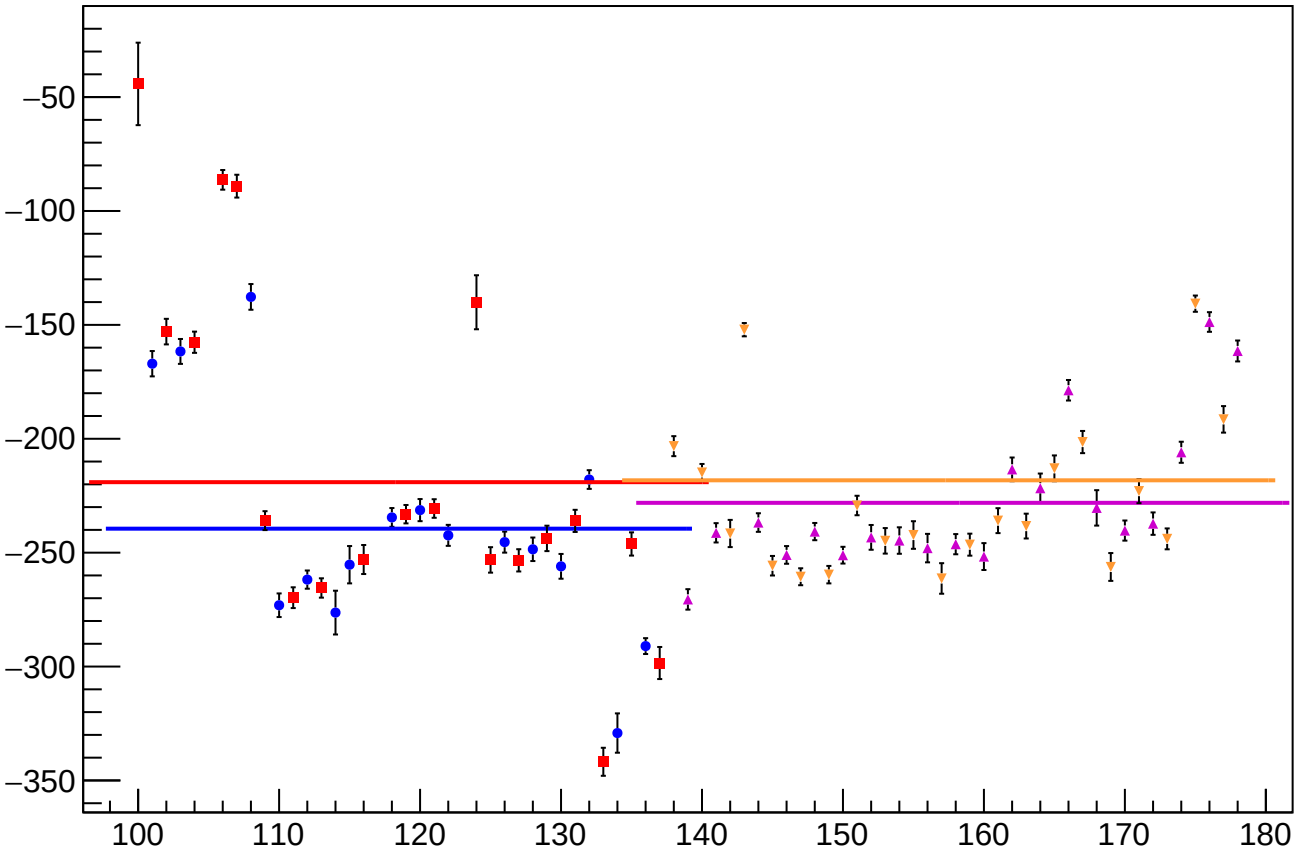
Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: 0.861+/-0.758 χ^2/NDF:329.7/19

+ sign 1.338+/-0.597 χ^2/NDF: 597.1/36

All: 1.822+/-0.429 χ^2/NDF: 1242.4/75

- sign 2.339+/-0.617 χ^2/NDF: 643.9/38



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -218.238+/-1.000 χ^2/NDF:1584.4/20

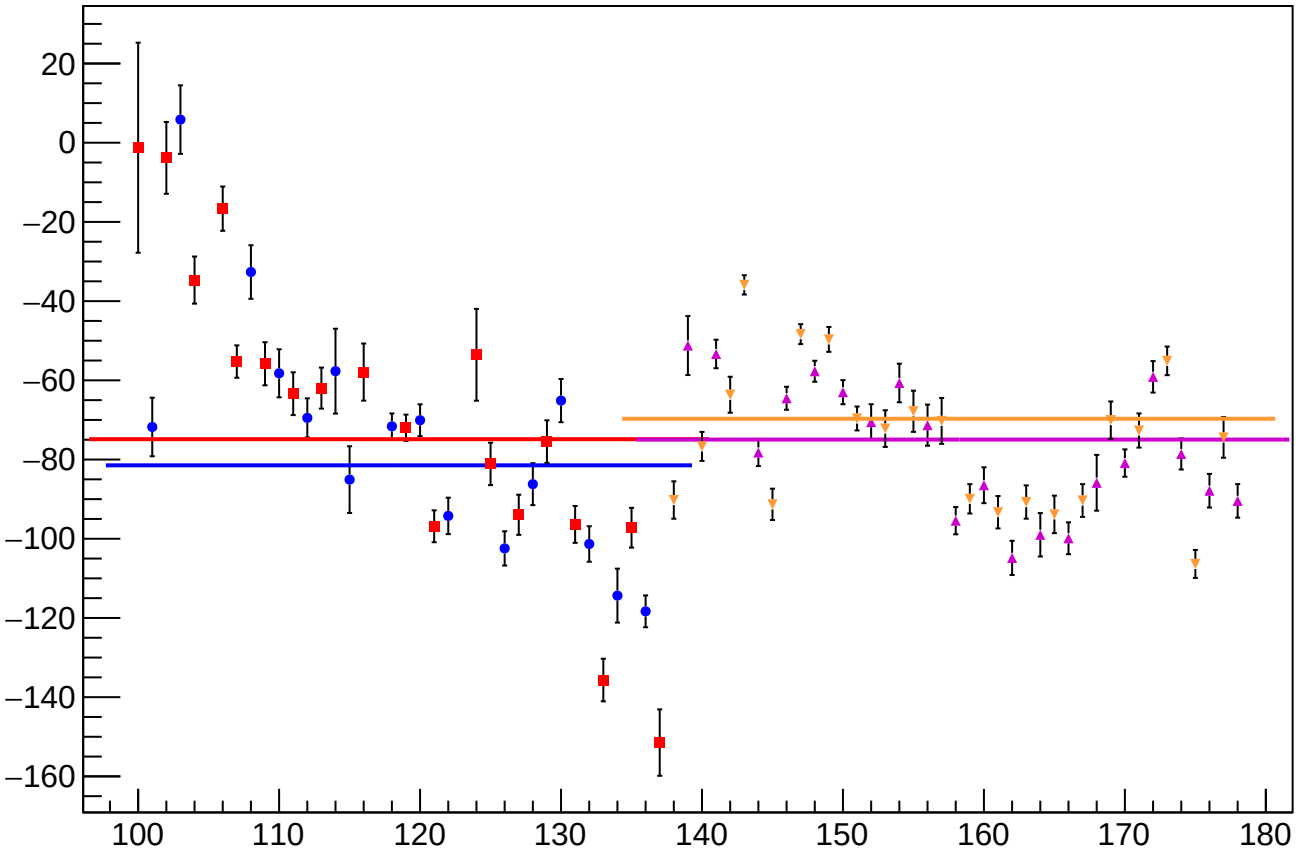
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -228.124+/-1.047 χ^2/NDF:960.3/19

+ sign -226.563+/-0.780 χ^2/NDF: 2923.3/36

All: -225.341+/-0.552 χ^2/NDF: 6971.0/75

- sign -224.112+/-0.782 χ^2/NDF: 4042.7/38



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -69.702+/-0.825 χ^2/NDF:624.4/20

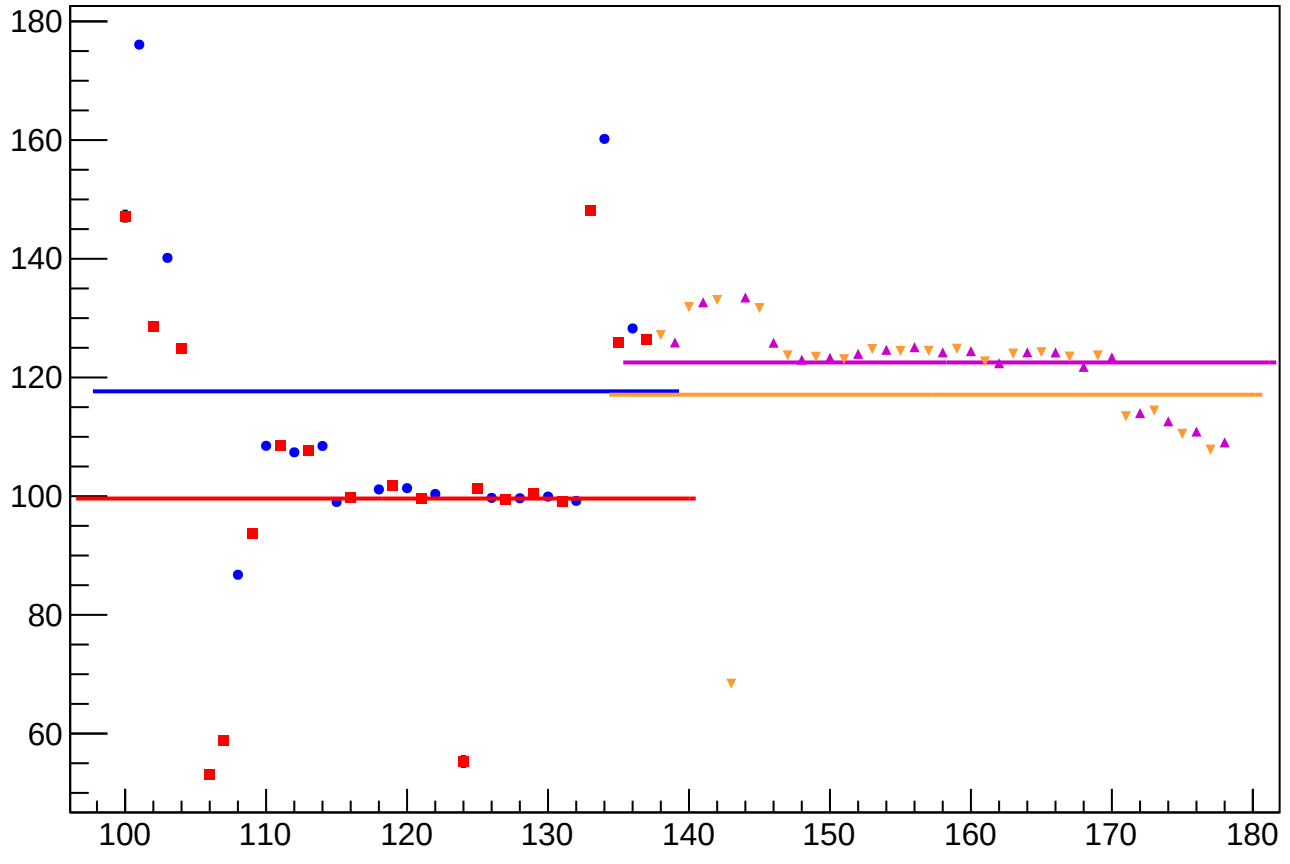
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -74.956+/-0.876 χ^2/NDF:319.9/19

+ sign -73.128+/-0.695 χ^2/NDF: 1050.1/36

All: -74.002+/-0.498 χ^2/NDF: 1949.9/75

- sign -74.924+/-0.714 χ^2/NDF: 896.5/38



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 117.098+/-0.039 χ^2/NDF:203030.0/20

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

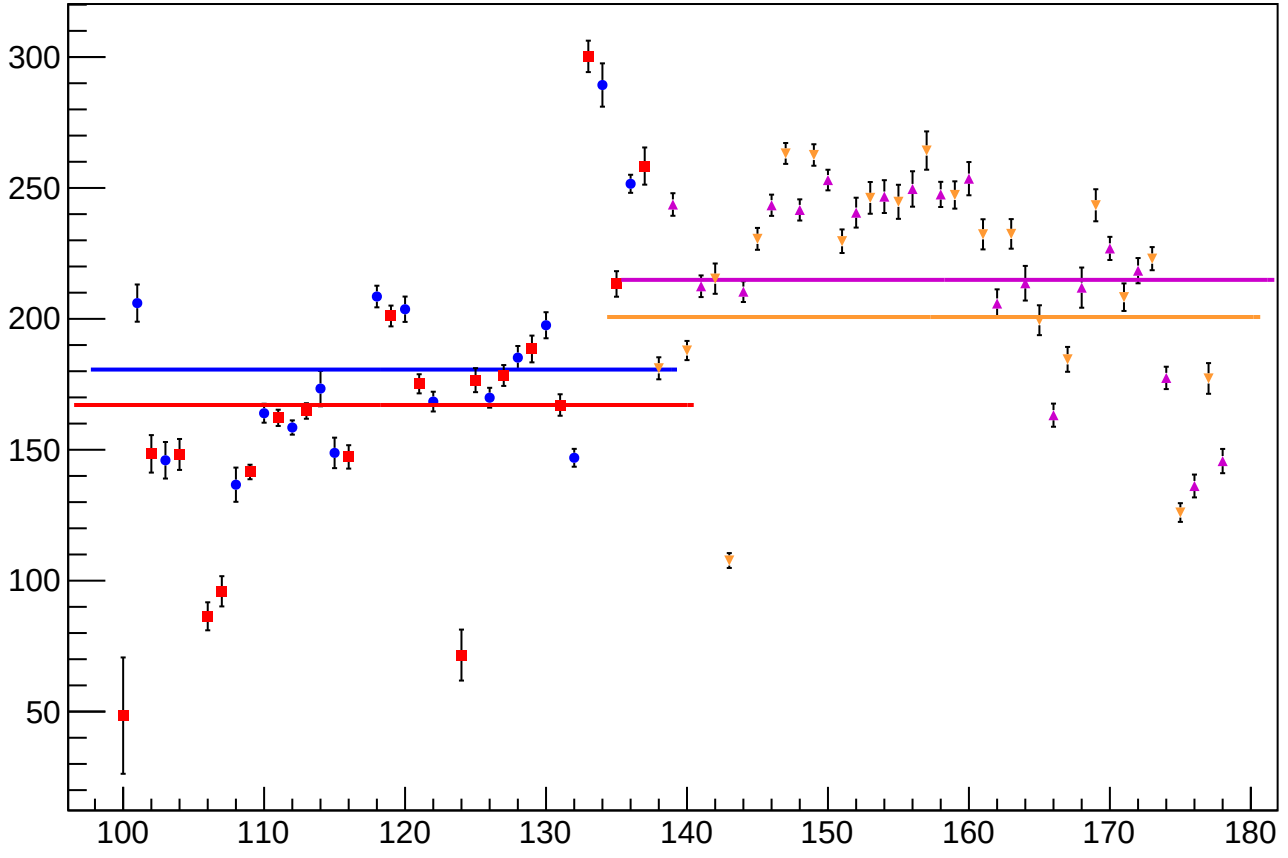
Left In: 122.532+/-0.040 χ^2/NDF:23266.9/19

+ sign 117.211+/-0.035 χ^2/NDF: 298469.4/36

All: 117.064+/-0.025 χ^2/NDF: 568318.9/75

- sign 116.917+/-0.035 χ^2/NDF: 269813.9/38

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug



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Left In: 214.897+/-1.065 χ^2/NDF:1161.3/19

+ sign 191.417+/-0.741 χ^2/NDF: 3711.0/36

All: 190.699+/-0.523 χ^2/NDF: 7408.5/75

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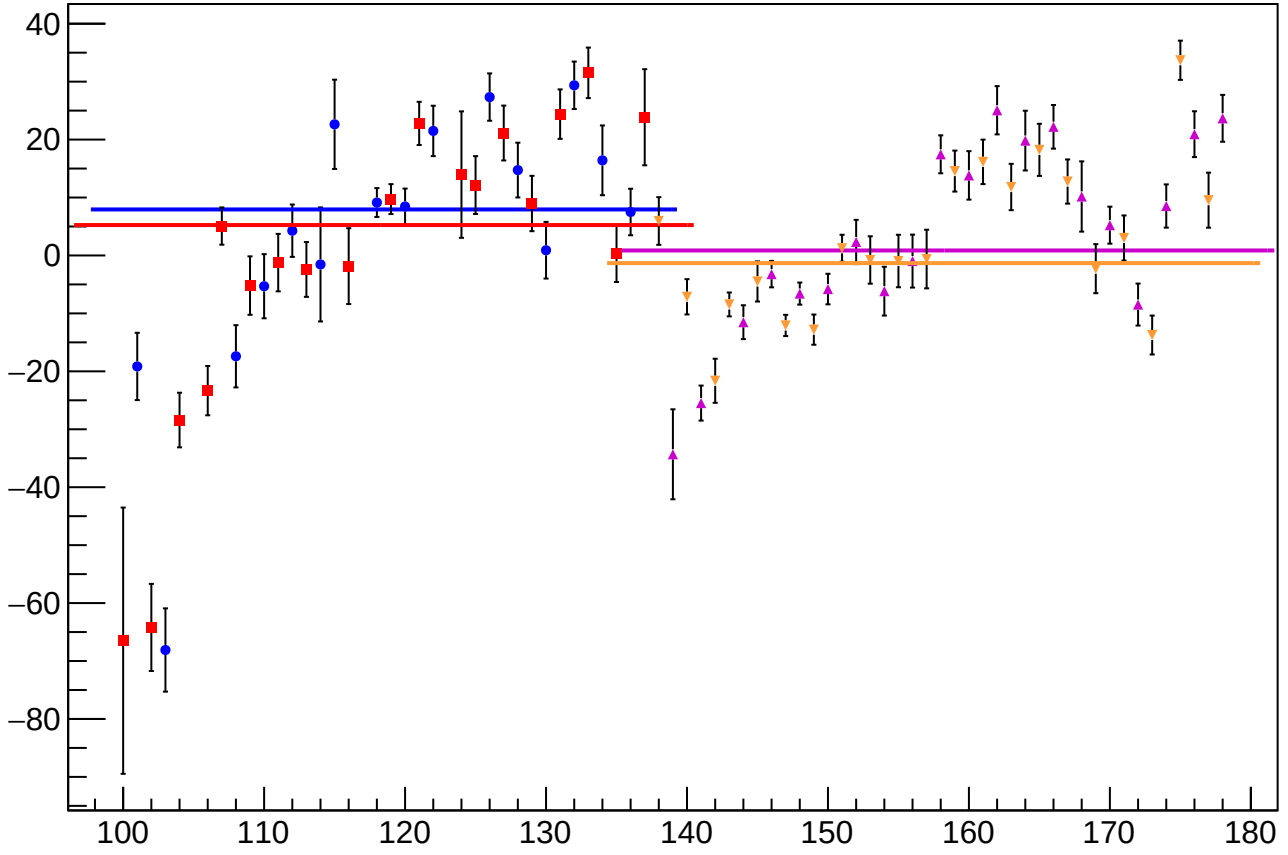
reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug



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Left Out: -1.323+/-0.707 χ^2/NDF:314.8/20

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: 0.861+/-0.758 χ^2/NDF:329.7/19

+ sign 1.338+/-0.597 χ^2/NDF: 597.1/36

All: 1.822+/-0.429 χ^2/NDF: 1242.4/75

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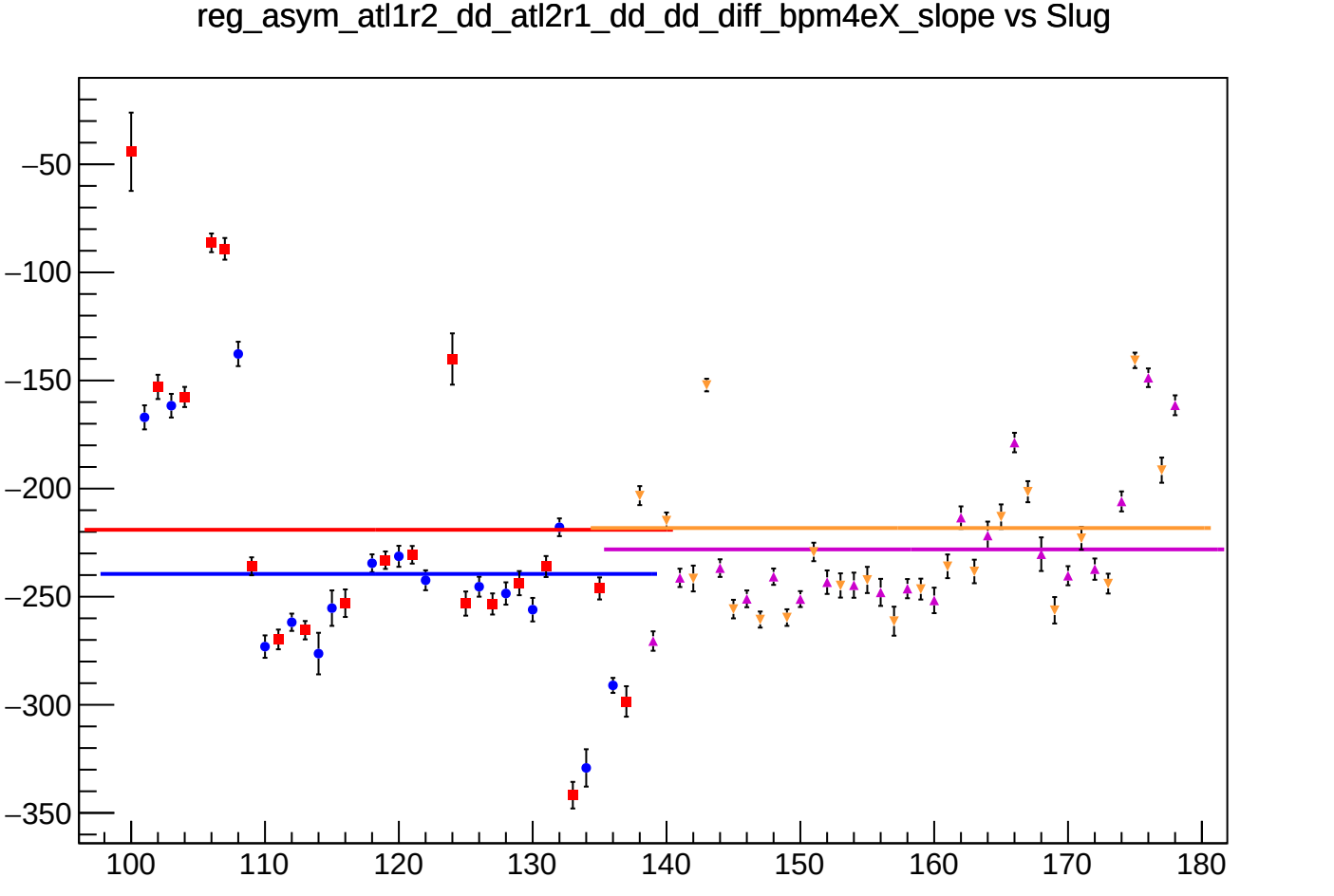

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Left Out: -218.238+/-1.000 χ^2/NDF:1584.4/20

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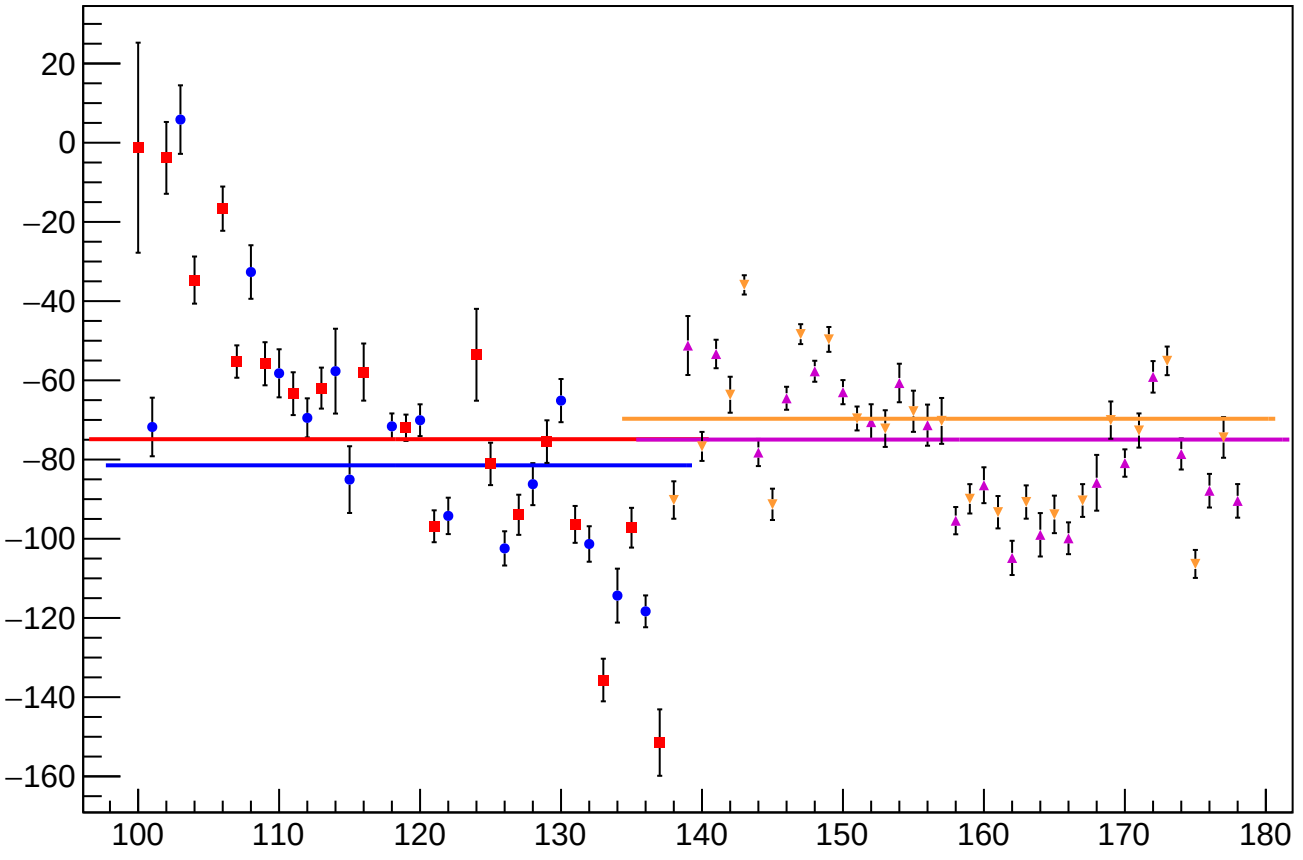

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Left Out: -69.702+/-0.825 χ^2/NDF:624.4/20

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

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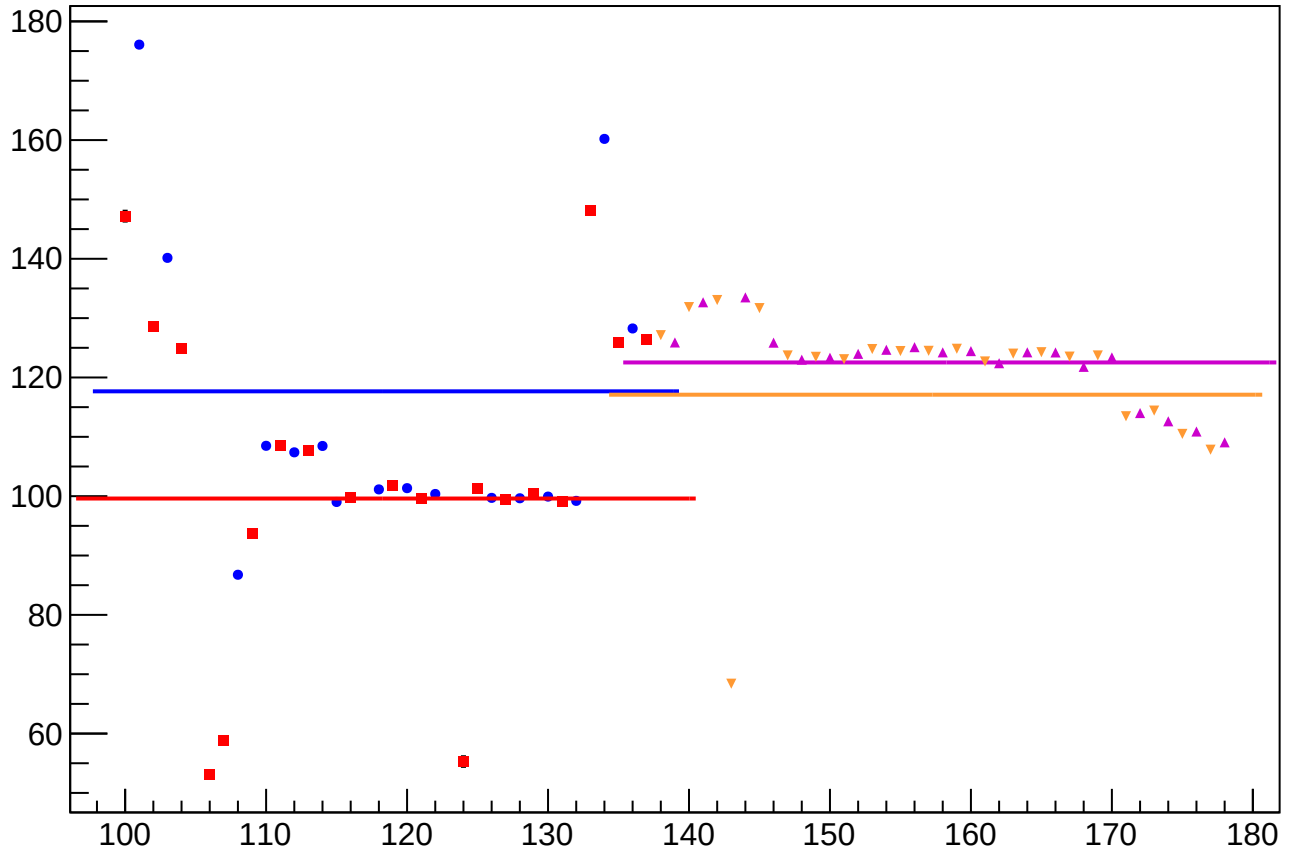

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Left Out: 117.098+/-0.039 χ^2/NDF:203030.0/20

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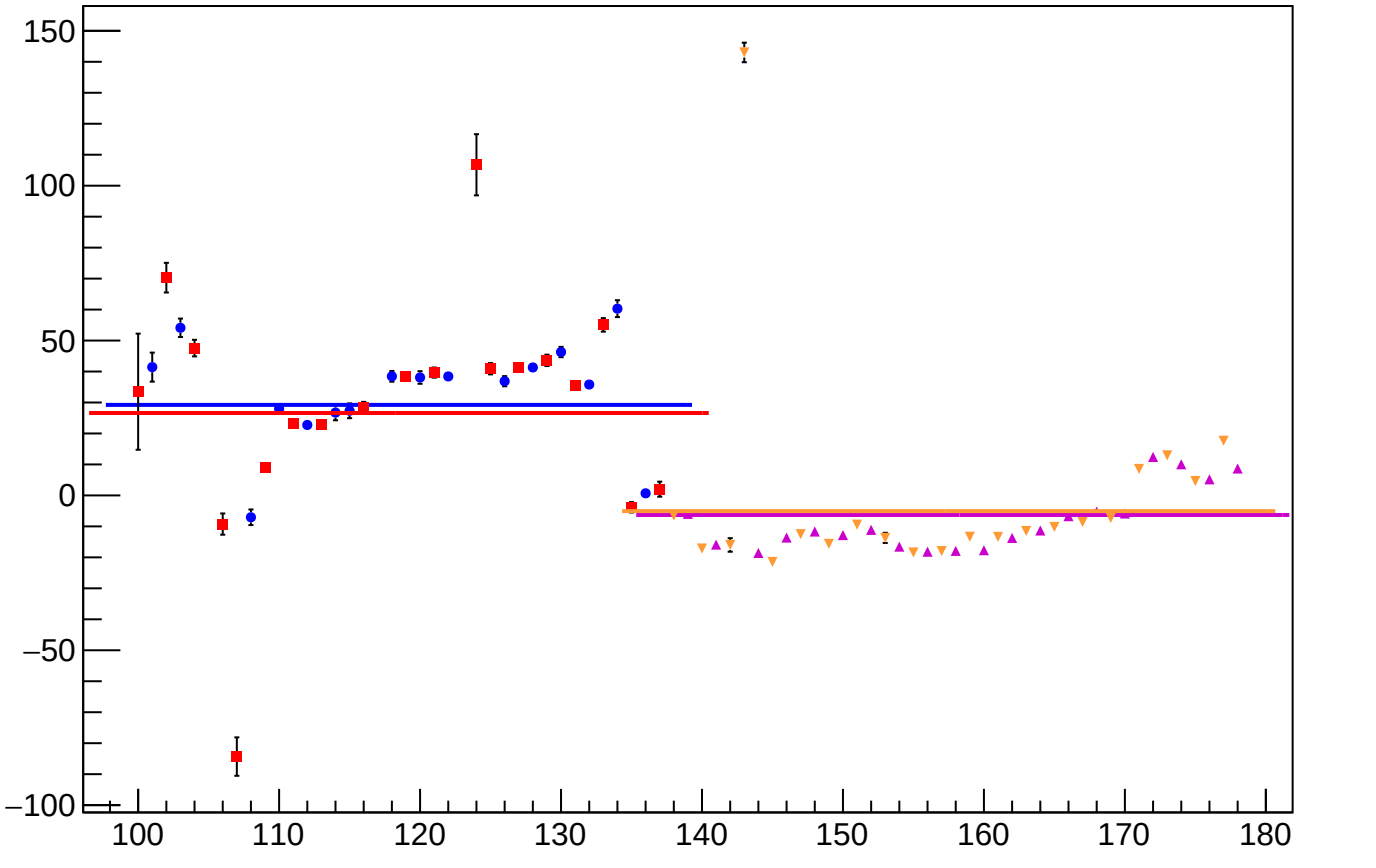

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Left Out: -5.071+/-0.310 χ^2/NDF:3514.6/20

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

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+ sign 6.864+/-0.250 χ^2/NDF: 9119.0/36

All: 6.013+/-0.175 χ^2/NDF: 16309.5/75

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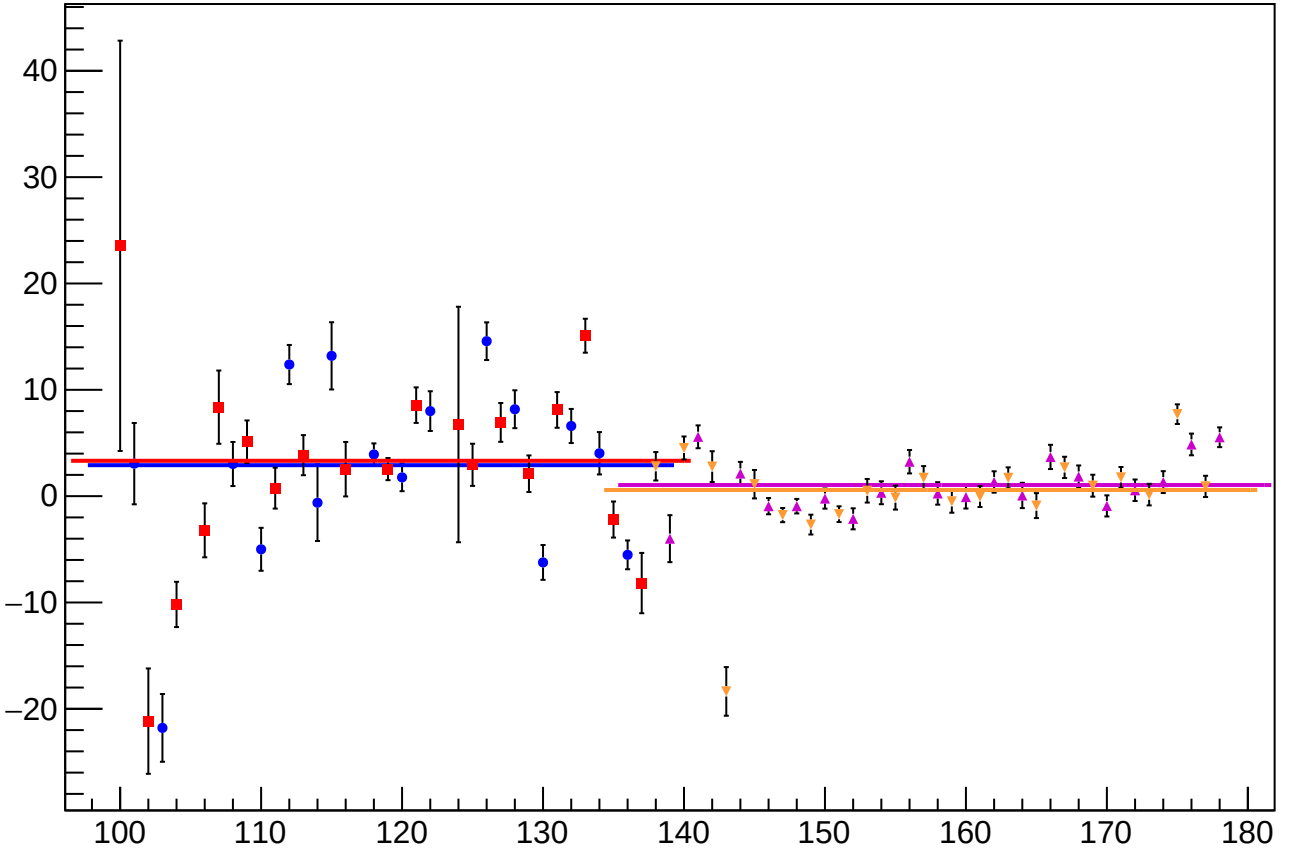
reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs Slug



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Left Out: 0.579+/-0.223 χ^2/NDF:193.2/20

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

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+ sign 1.052+/-0.199 χ^2/NDF: 465.3/36

All: 1.271+/-0.142 χ^2/NDF: 775.6/75

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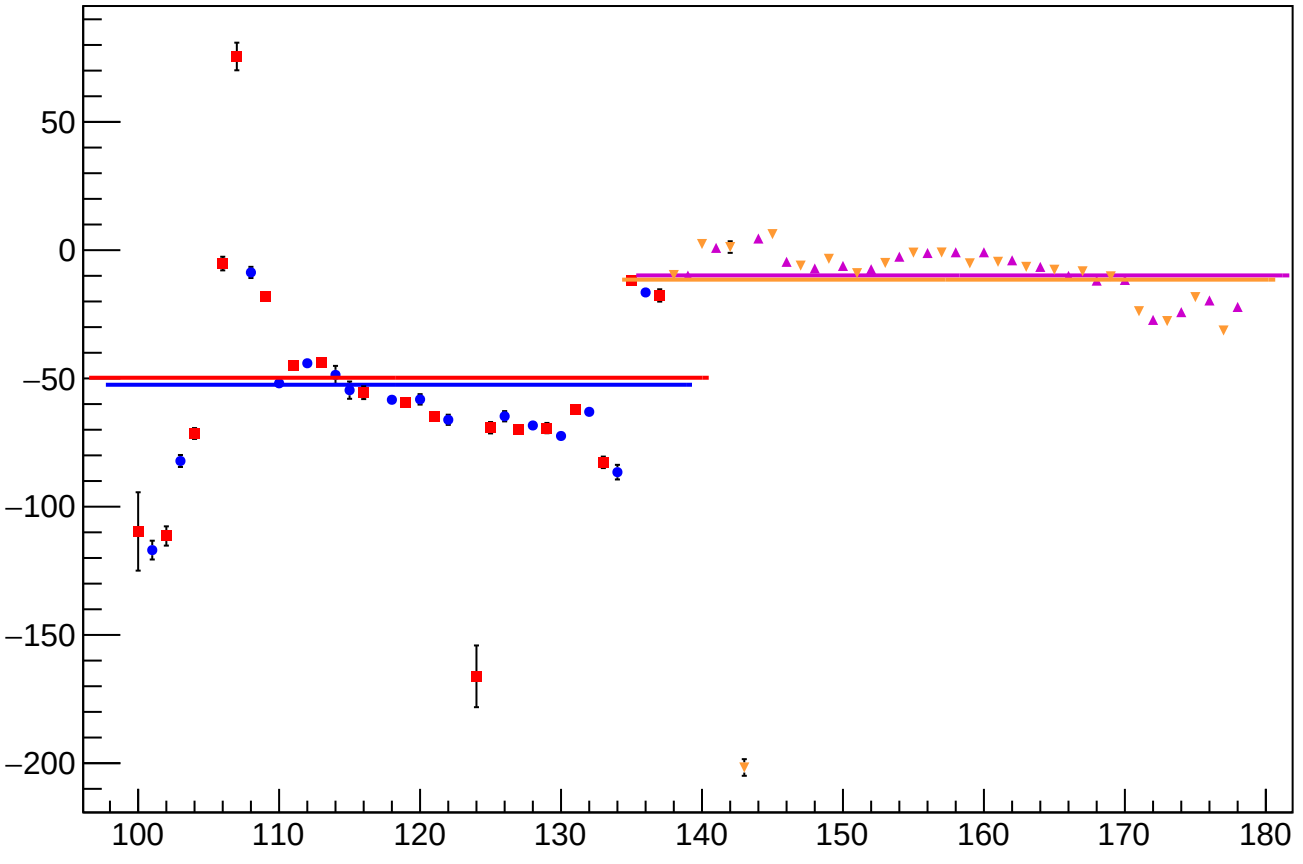

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Left Out: -11.492+/-0.305 χ^2/NDF:4489.0/20

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -9.843+/-0.299 χ^2/NDF:847.2/19

+ sign -22.987+/-0.258 χ^2/NDF: 11896.1/36

All: -21.751+/-0.182 χ^2/NDF: 20570.0/75

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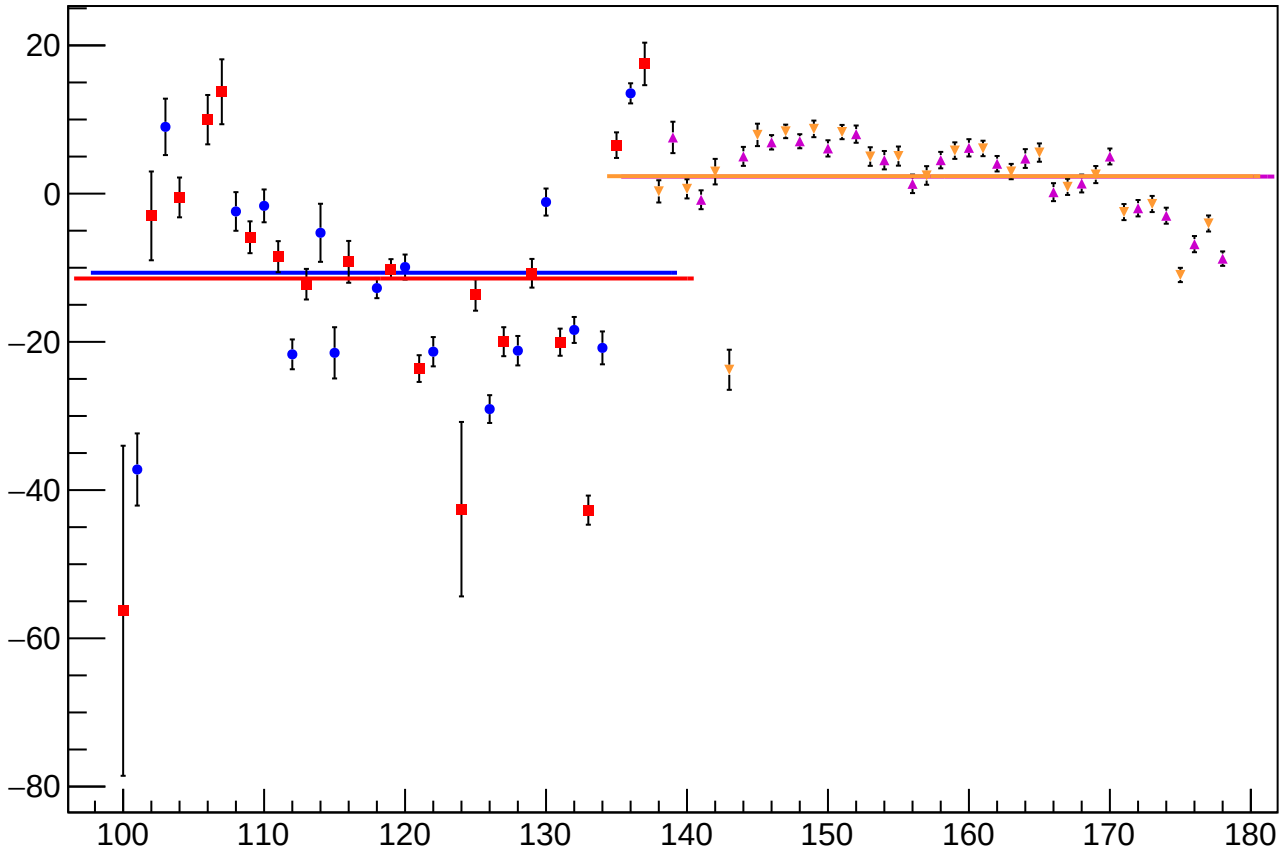

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Left Out: 2.354+/-0.255 χ^2/NDF:523.6/20

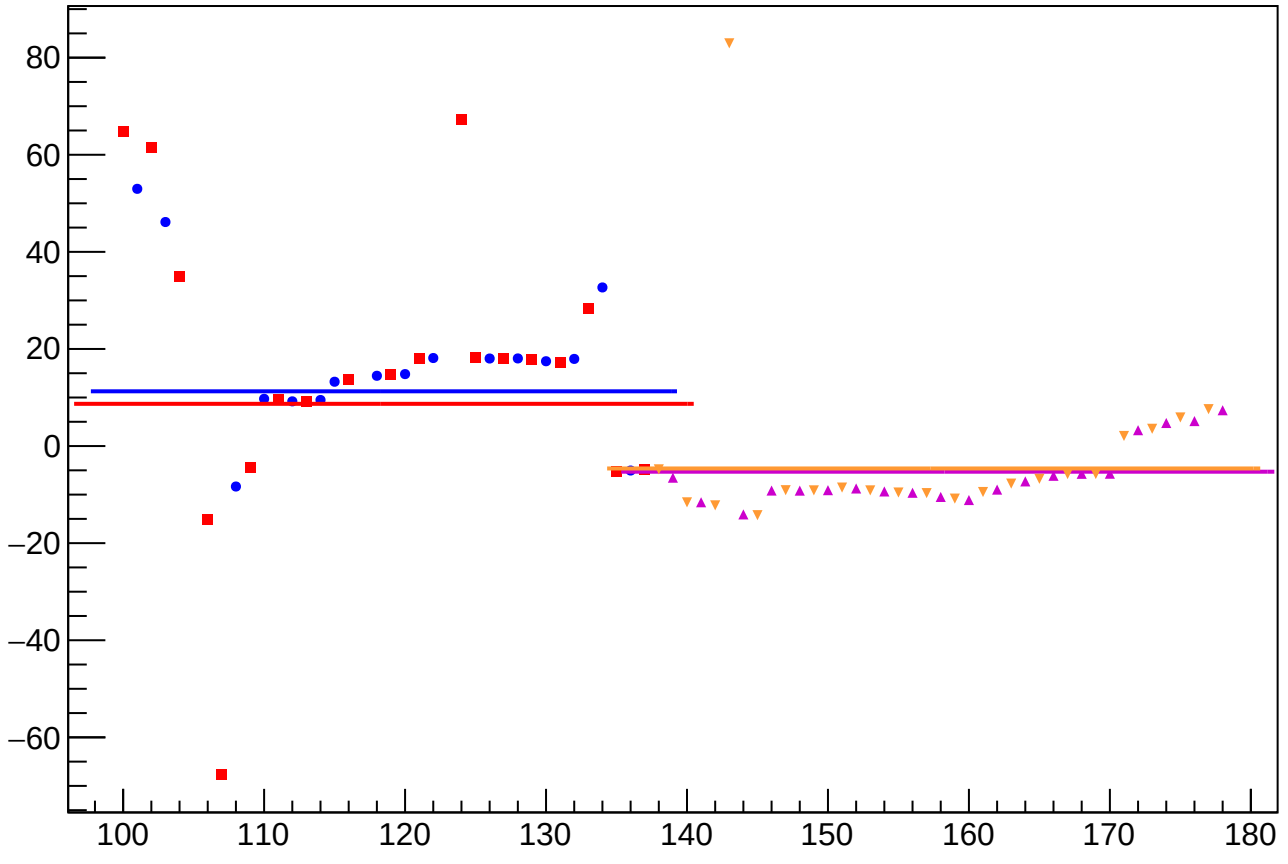
Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 2.302+/-0.255 χ^2/NDF:373.5/19

+ sign -0.281+/-0.227 χ^2/NDF: 1720.0/36

All: -0.340+/-0.161 χ^2/NDF: 3330.1/75

- sign -0.400+/-0.229 χ^2/NDF: 1609.9/38



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -4.616+/-0.011 χ^2/NDF:725264.1/20

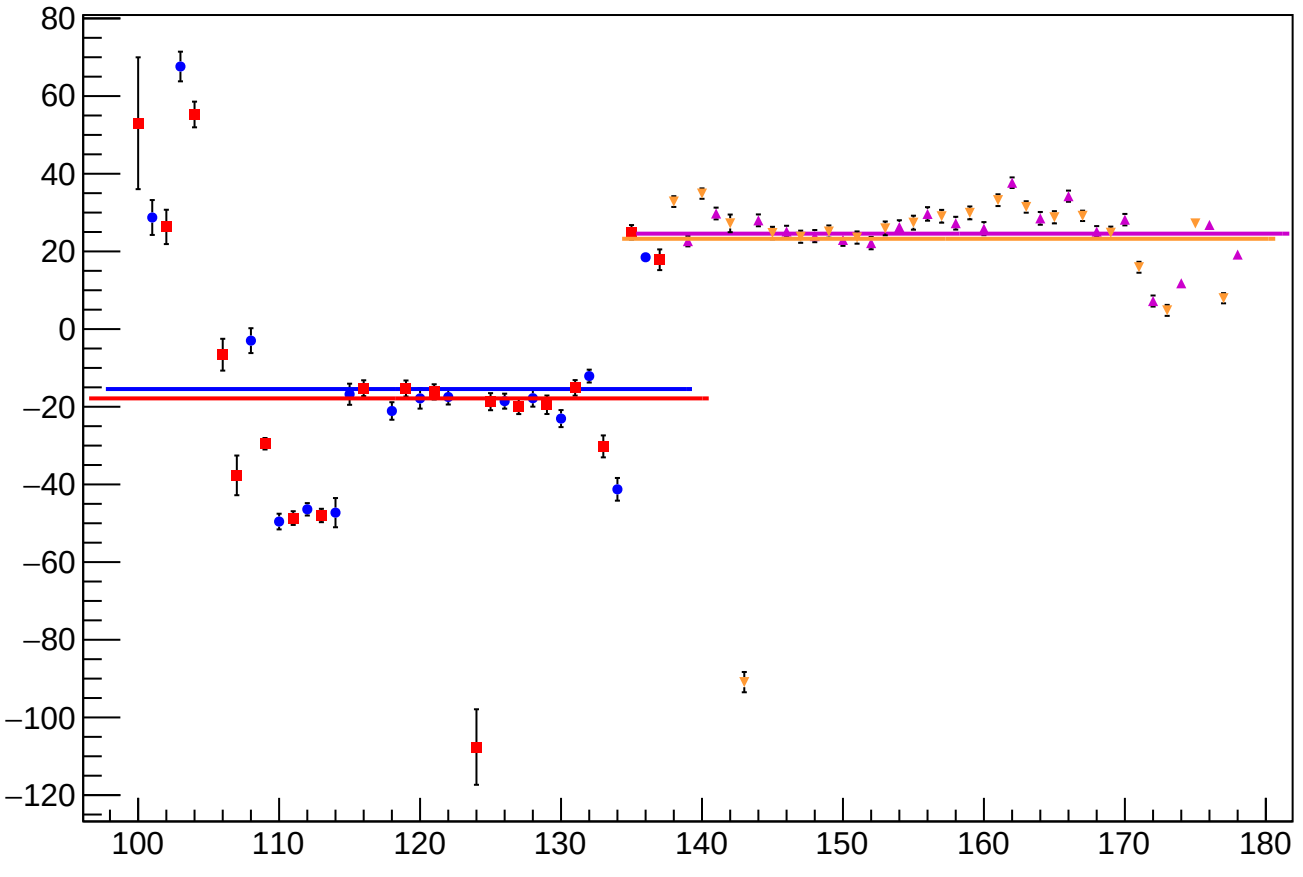
Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -5.284+/-0.011 χ^2/NDF:306856.2/19

+ sign -2.589+/-0.011 χ^2/NDF: 1320735.4/36

All: -3.152+/-0.008 χ^2/NDF: 2244855.3/75

- sign -3.703+/-0.011 χ^2/NDF: 918626.0/38



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 23.253+/-0.331 χ^2/NDF:2529.0/20

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

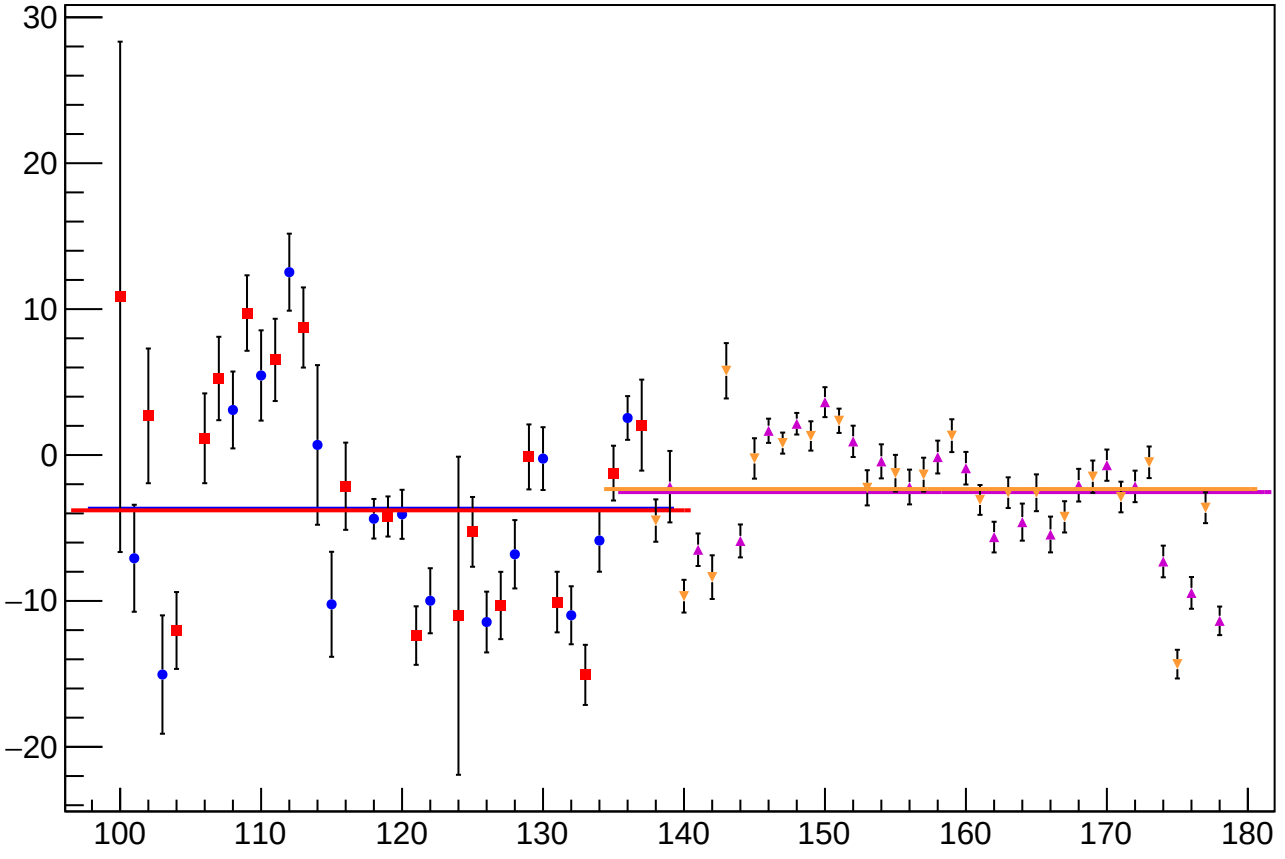
Left In: 24.575+/-0.324 χ^2/NDF:468.5/19

+ sign 12.677+/-0.282 χ^2/NDF: 8396.9/36

All: 12.840+/-0.197 χ^2/NDF: 15656.1/75

- sign 12.997+/-0.277 χ^2/NDF: 7258.5/38

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -2.332+/-0.238 χ^2/NDF:315.7/20

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

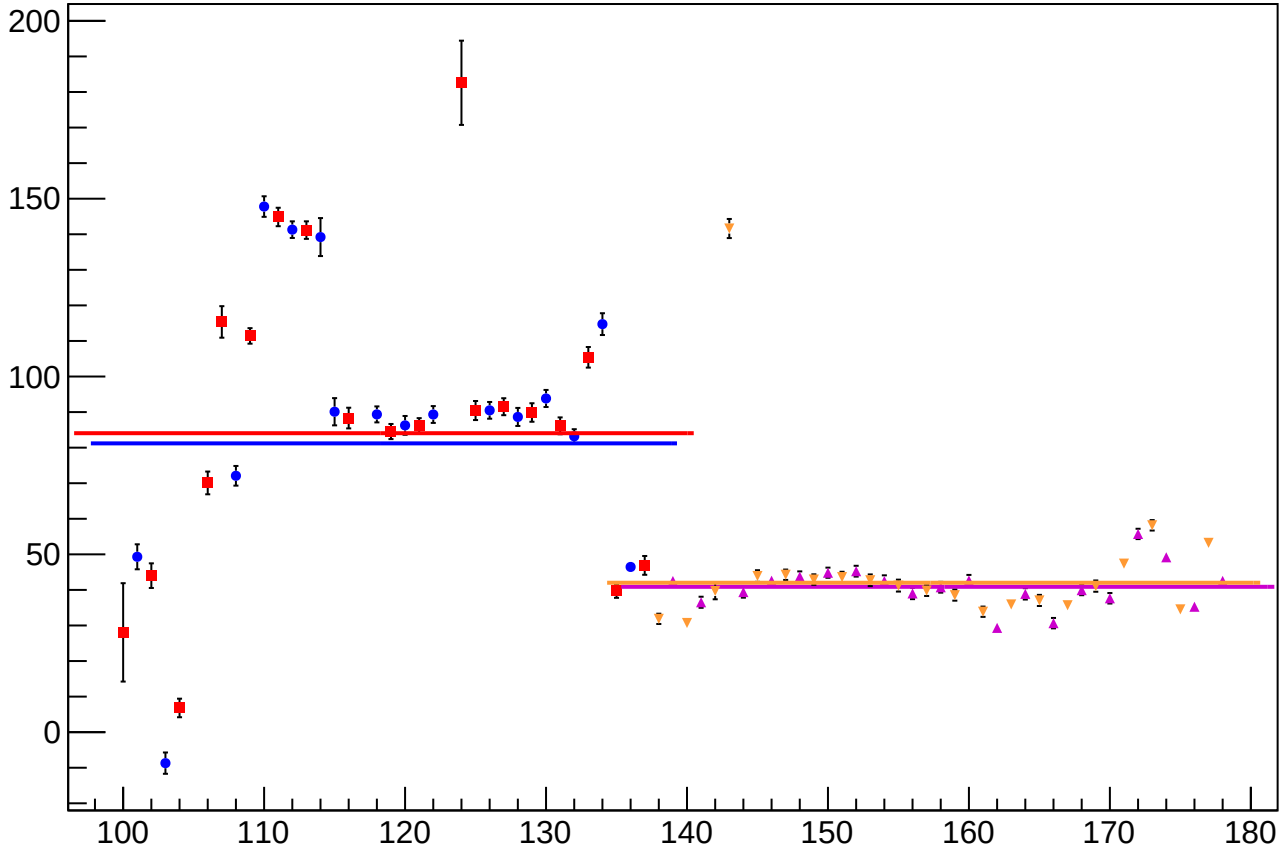
Left In: -2.540+/-0.240 χ^2/NDF:304.6/19

+ sign -2.544+/-0.219 χ^2/NDF: 444.7/36

All: -2.637+/-0.156 χ^2/NDF: 915.1/75

- sign -2.732+/-0.221 χ^2/NDF: 470.0/38

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: 42.017+/-0.325 χ^2/NDF:1848.7/20

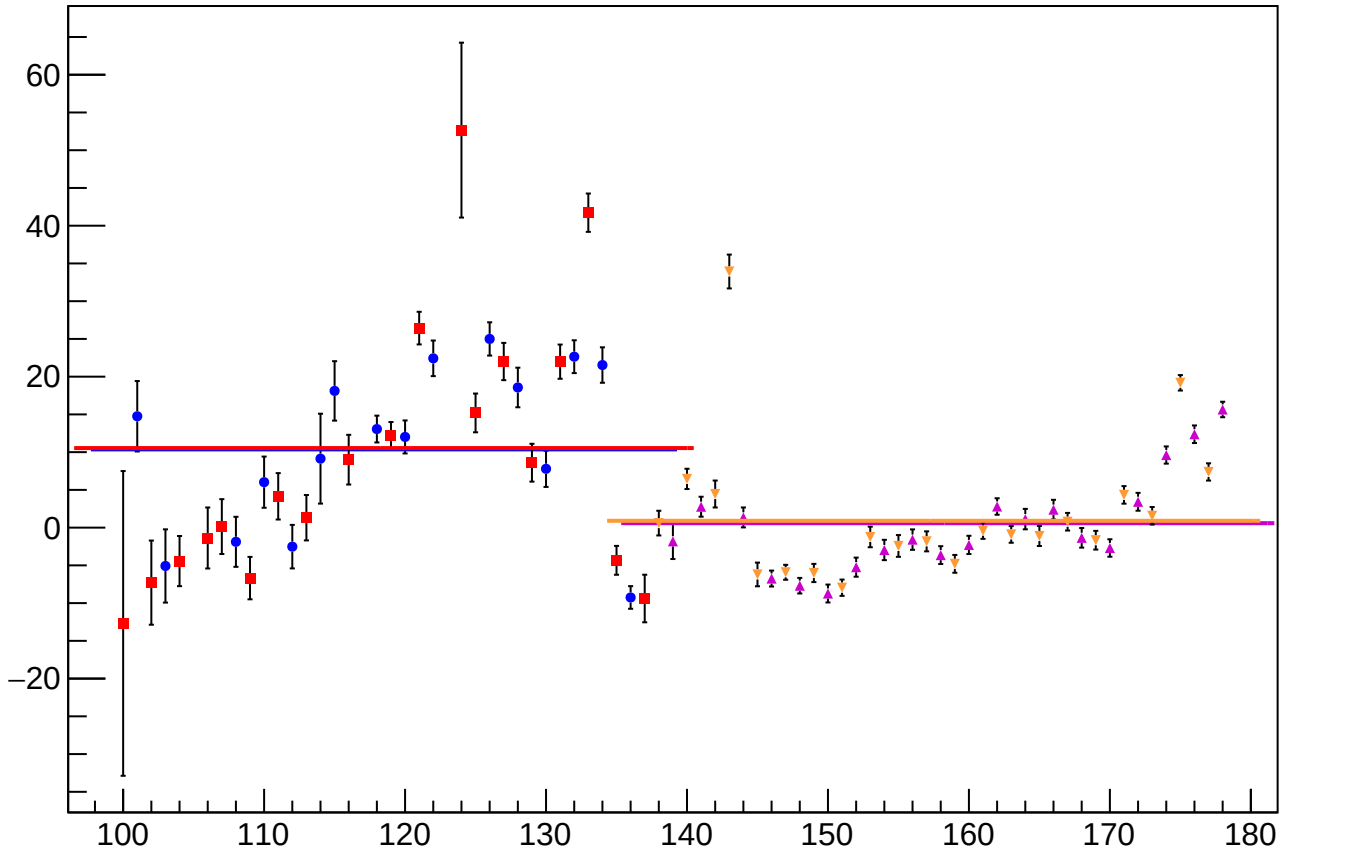
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 40.873+/-0.320 χ^2/NDF:336.2/19

+ sign 50.752+/-0.287 χ^2/NDF: 8317.2/36

All: 50.386+/-0.202 χ^2/NDF: 15734.0/75

- sign 50.028+/-0.284 χ^2/NDF: 7413.6/38



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: 0.905+/-0.272 χ^2/NDF:812.6/20

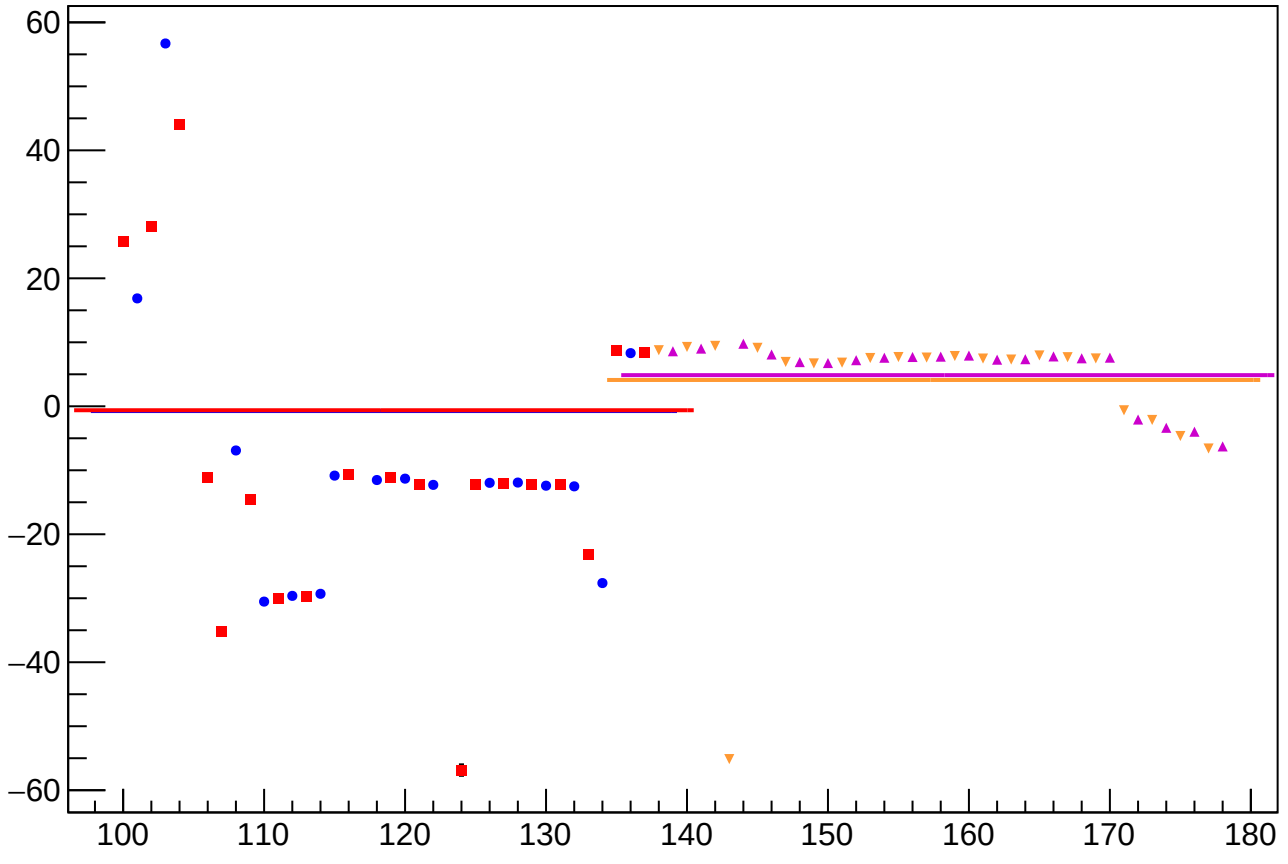
Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: 0.591+/-0.272 χ^2/NDF:630.7/19

+ sign 2.404+/-0.249 χ^2/NDF: 1364.3/36

All: 2.260+/-0.177 χ^2/NDF: 2670.9/75

- sign 2.115+/-0.251 χ^2/NDF: 1305.9/38



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 4.113+/-0.012 χ^2/NDF:458760.1/20

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

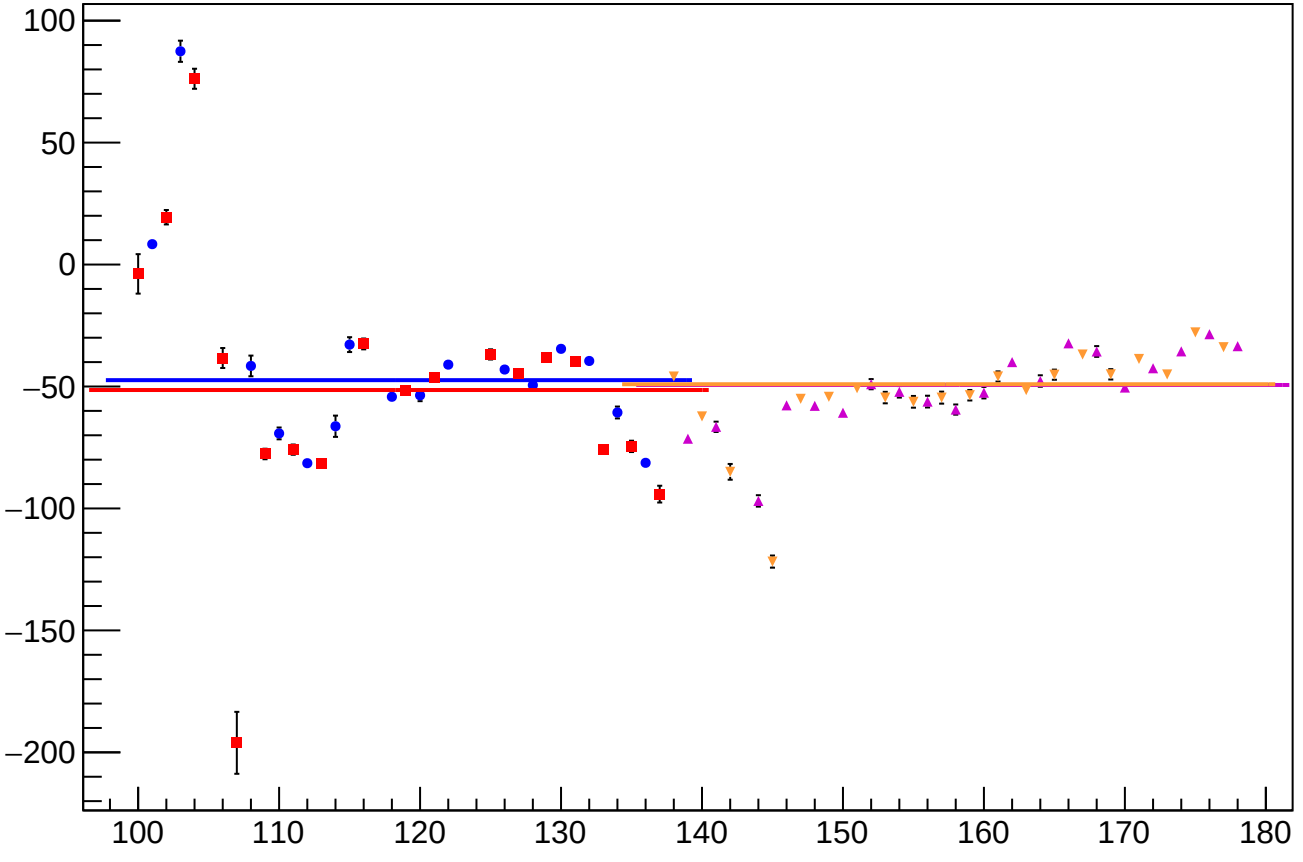
Left In: 4.867+/-0.012 χ^2/NDF:181365.4/19

+ sign 3.607+/-0.012 χ^2/NDF: 843179.4/36

All: 3.985+/-0.008 χ^2/NDF: 1362700.3/75

- sign 4.353+/-0.011 χ^2/NDF: 517422.3/38

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -47.398+/-0.535 χ^2/NDF: 2769.0/15

Left Out: -49.075+/-0.444 χ^2/NDF:1468.2/19

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

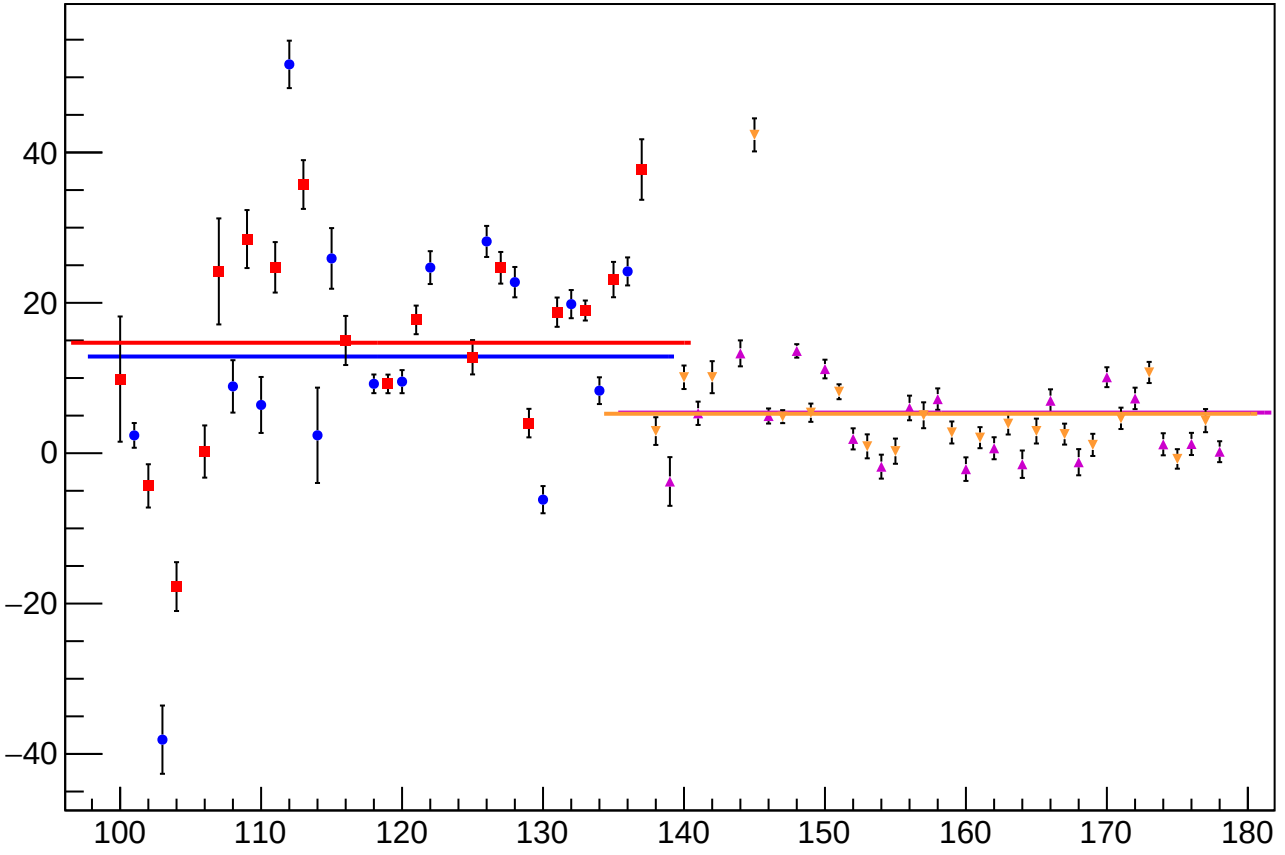
Left In: -49.381+/-0.435 χ^2/NDF:1243.9/19

+ sign -48.391+/-0.342 χ^2/NDF: 4243.0/35

All: -49.292+/-0.241 χ^2/NDF: 8382.2/73

- sign -50.183+/-0.340 χ^2/NDF: 4125.4/37

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 5.248+/-0.315 χ^2/NDF:385.7/19

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

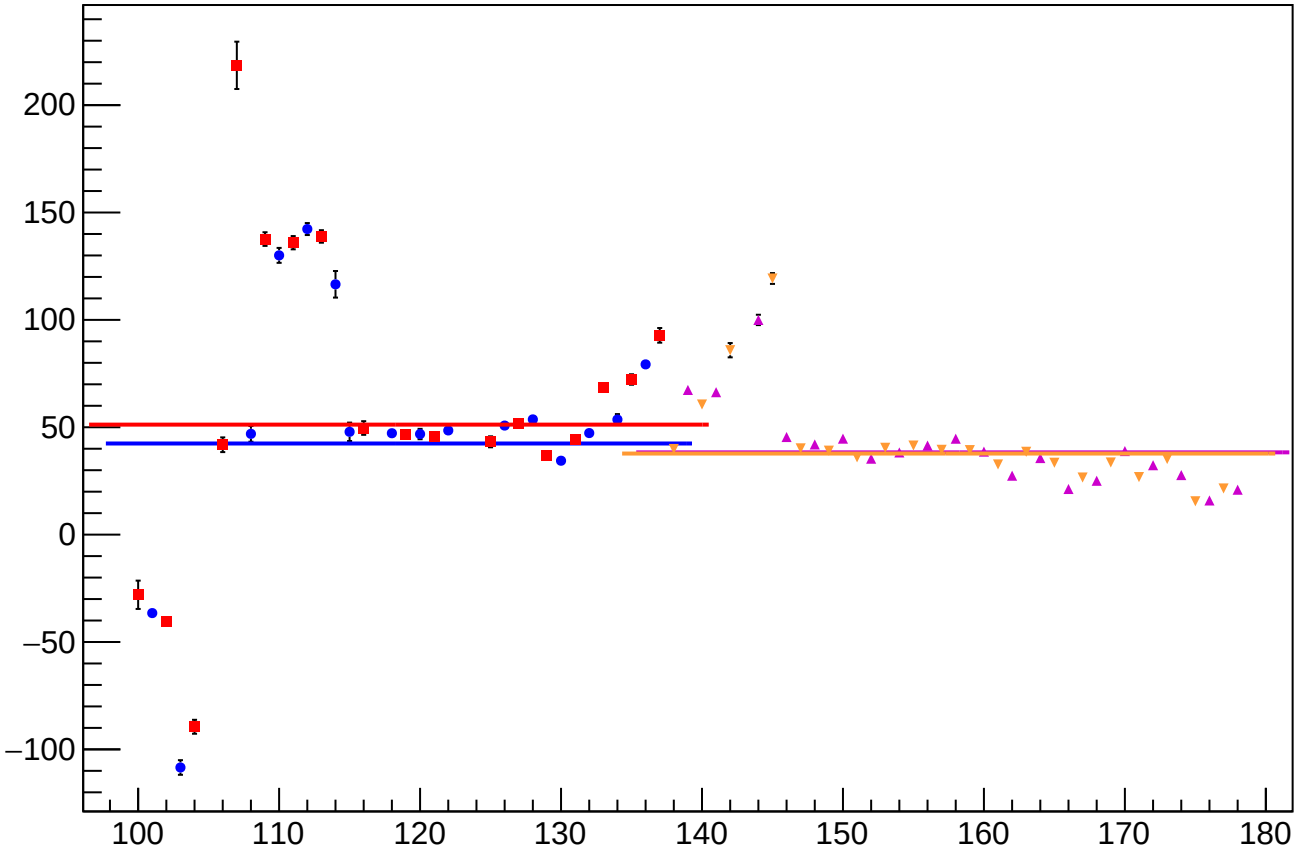
Left In: 5.401+/-0.317 χ^2/NDF:270.7/19

+ sign 7.300+/-0.269 χ^2/NDF: 1168.5/35

All: 7.524+/-0.192 χ^2/NDF: 2022.2/73

- sign 7.756+/-0.274 χ^2/NDF: 852.3/37

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 37.757+/-0.436 χ^2/NDF:1835.5/19

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

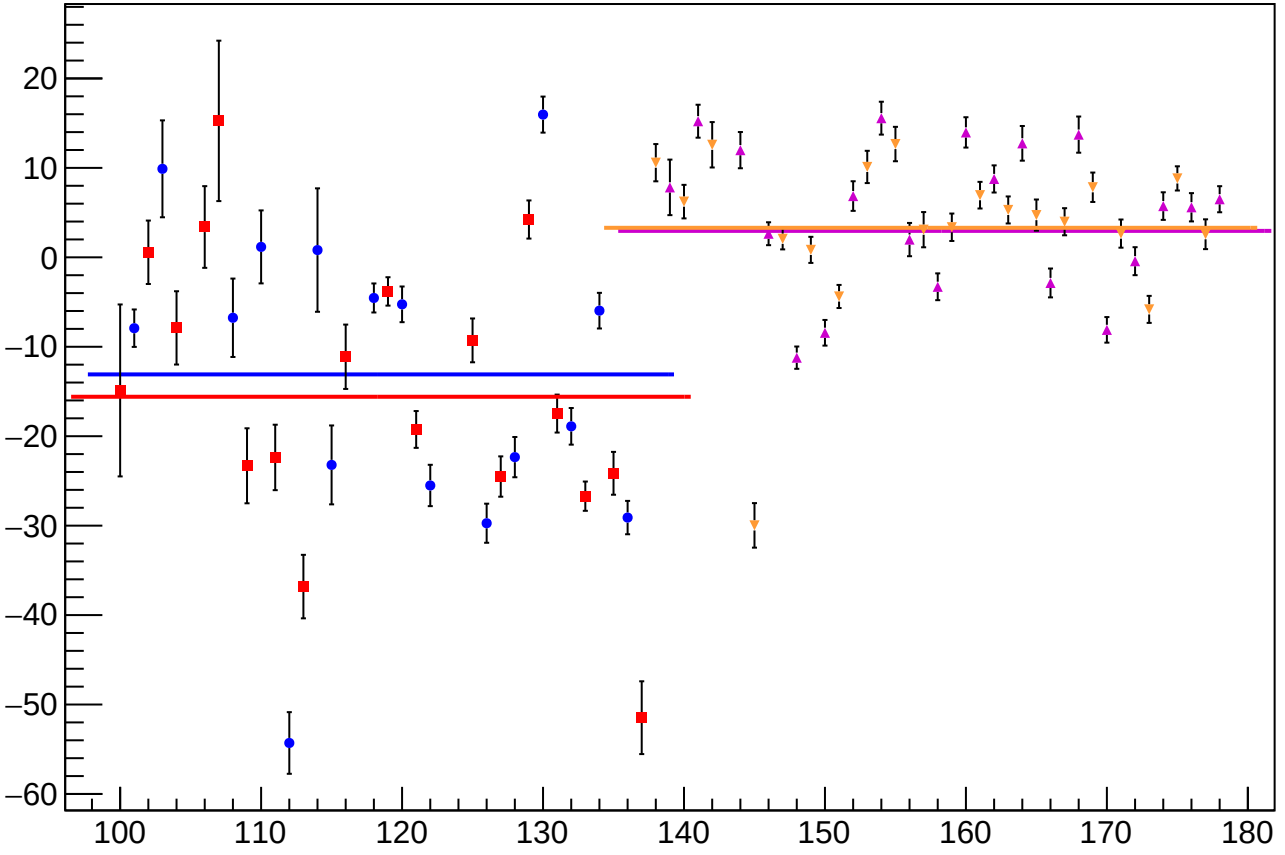
Left In: 38.316+/-0.428 χ^2/NDF:1631.8/19

+ sign 39.431+/-0.349 χ^2/NDF: 9045.6/35

All: 40.971+/-0.248 χ^2/NDF: 17624.9/73

- sign 42.526+/-0.351 χ^2/NDF: 8540.3/37

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 3.301+/-0.362 χ^2/NDF:353.6/19

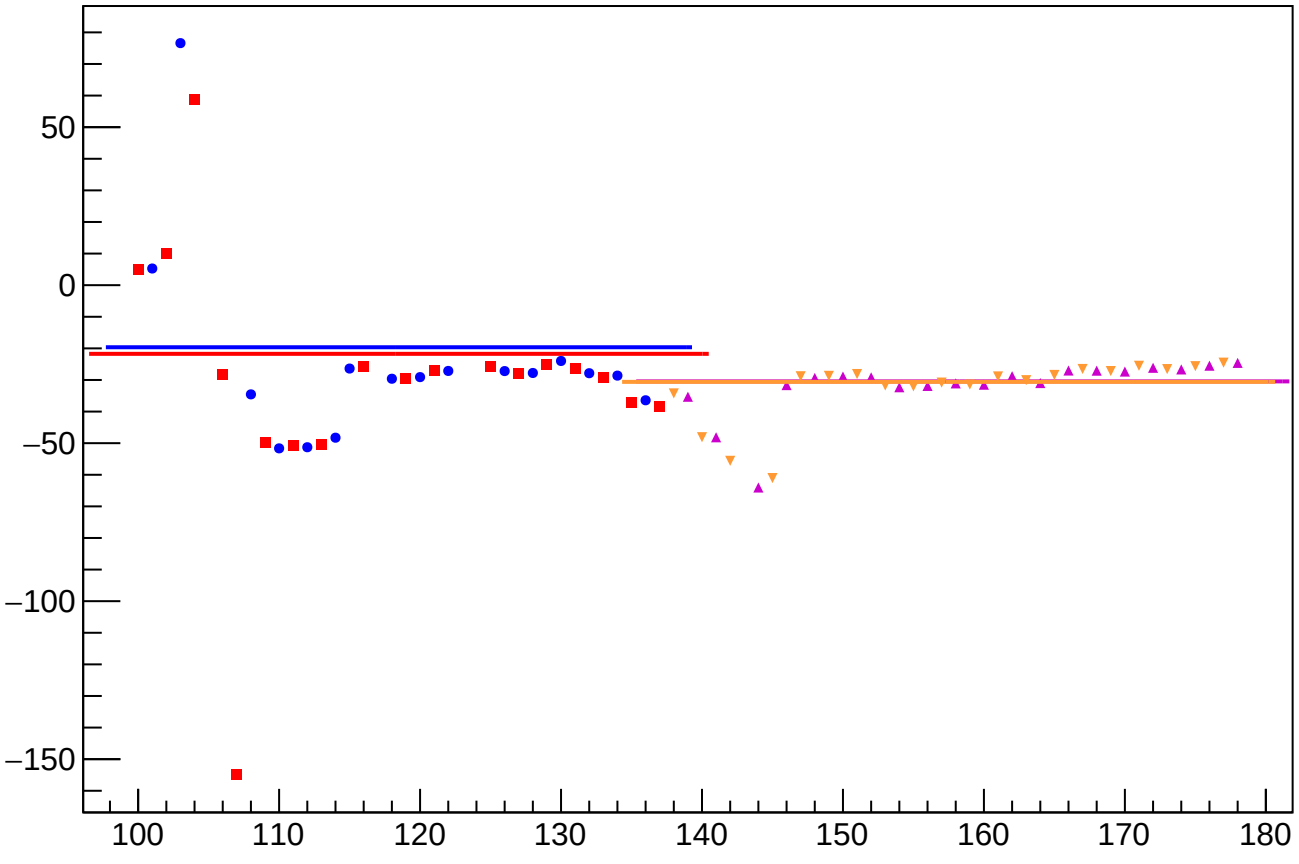
Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 2.957+/-0.362 χ^2/NDF:529.4/19

+ sign -1.070+/-0.310 χ^2/NDF: 1541.3/35

All: -1.370+/-0.220 χ^2/NDF: 3131.1/73

- sign -1.677+/-0.313 χ^2/NDF: 1587.9/37



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

Left Out: -30.599+/-0.016 χ^2/NDF:206097.0/19

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

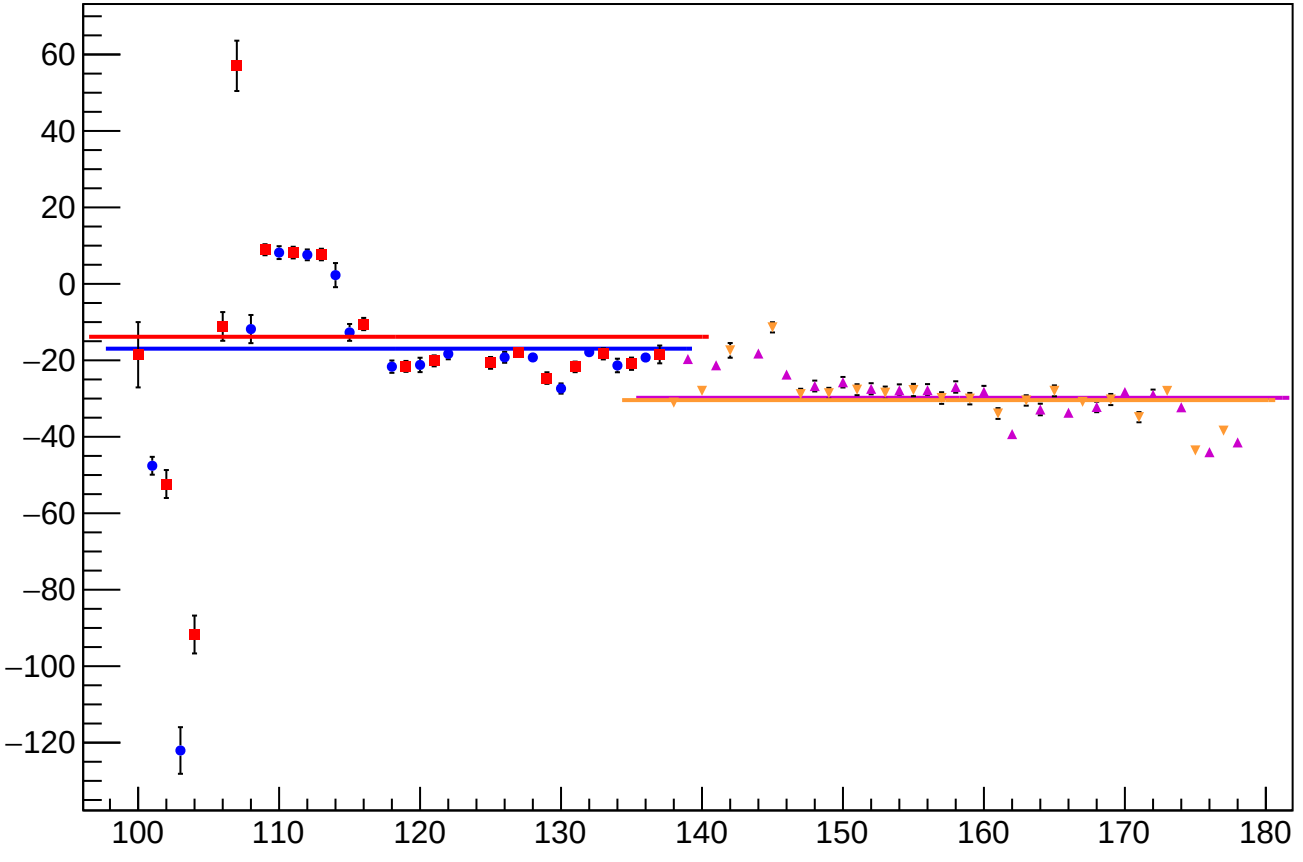
Left In: -30.447+/-0.016 χ^2/NDF:171444.2/19

+ sign -28.711+/-0.015 χ^2/NDF: 929193.3/35

All: -28.941+/-0.011 χ^2/NDF: 1690643.0/73

- sign -29.169+/-0.015 χ^2/NDF: 760980.9/37

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



Right In: -16.949+/-0.404 χ^2/NDF: 1128.2/15

Left Out: -30.404+/-0.303 χ^2/NDF:510.4/19

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

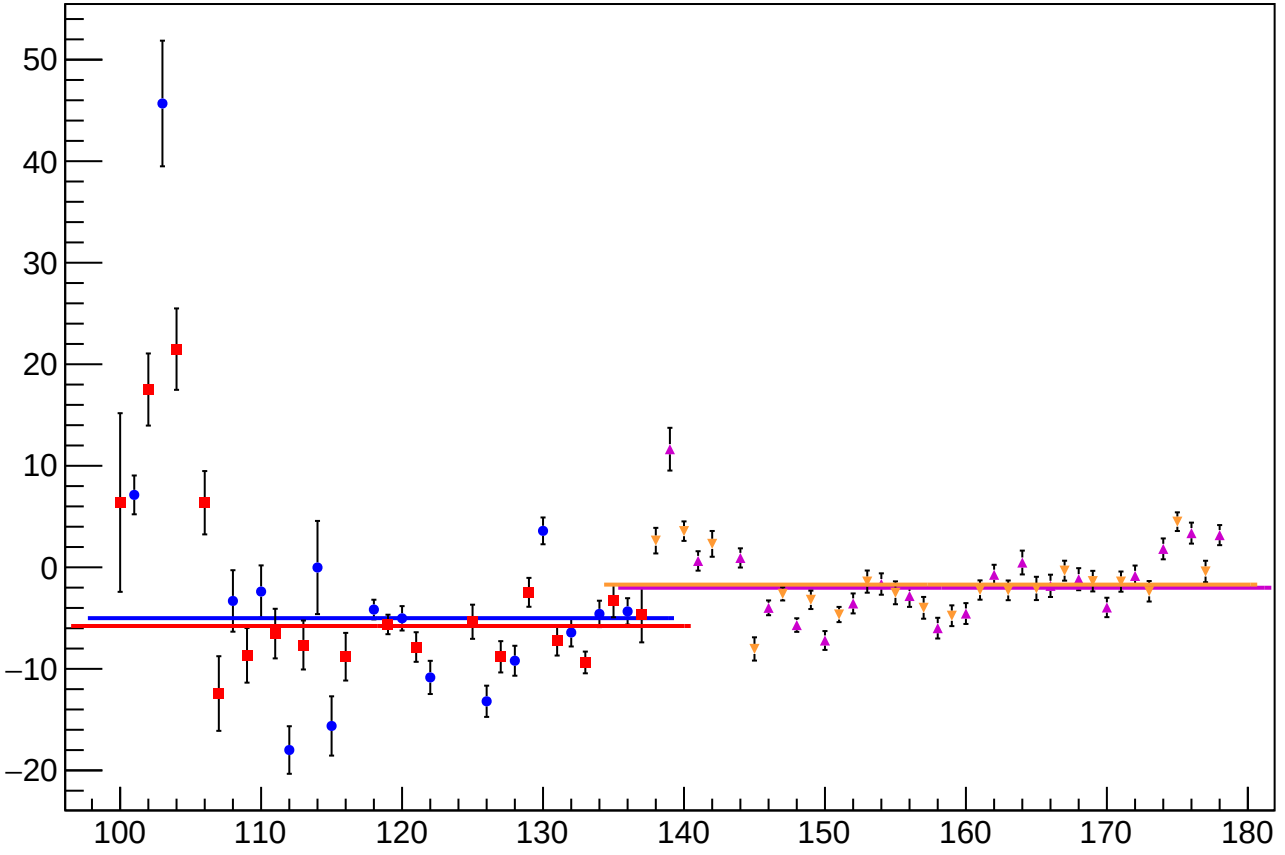
Left In: -29.801+/-0.297 χ^2/NDF:589.3/19

+ sign -25.553+/-0.243 χ^2/NDF: 2348.3/35

All: -24.918+/-0.171 χ^2/NDF: 5281.3/73

- sign -24.295+/-0.240 χ^2/NDF: 2919.5/37

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -5.006+/-0.401 χ^2/NDF: 247.8/15

Left Out: -1.703+/-0.219 χ^2/NDF:167.0/19

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

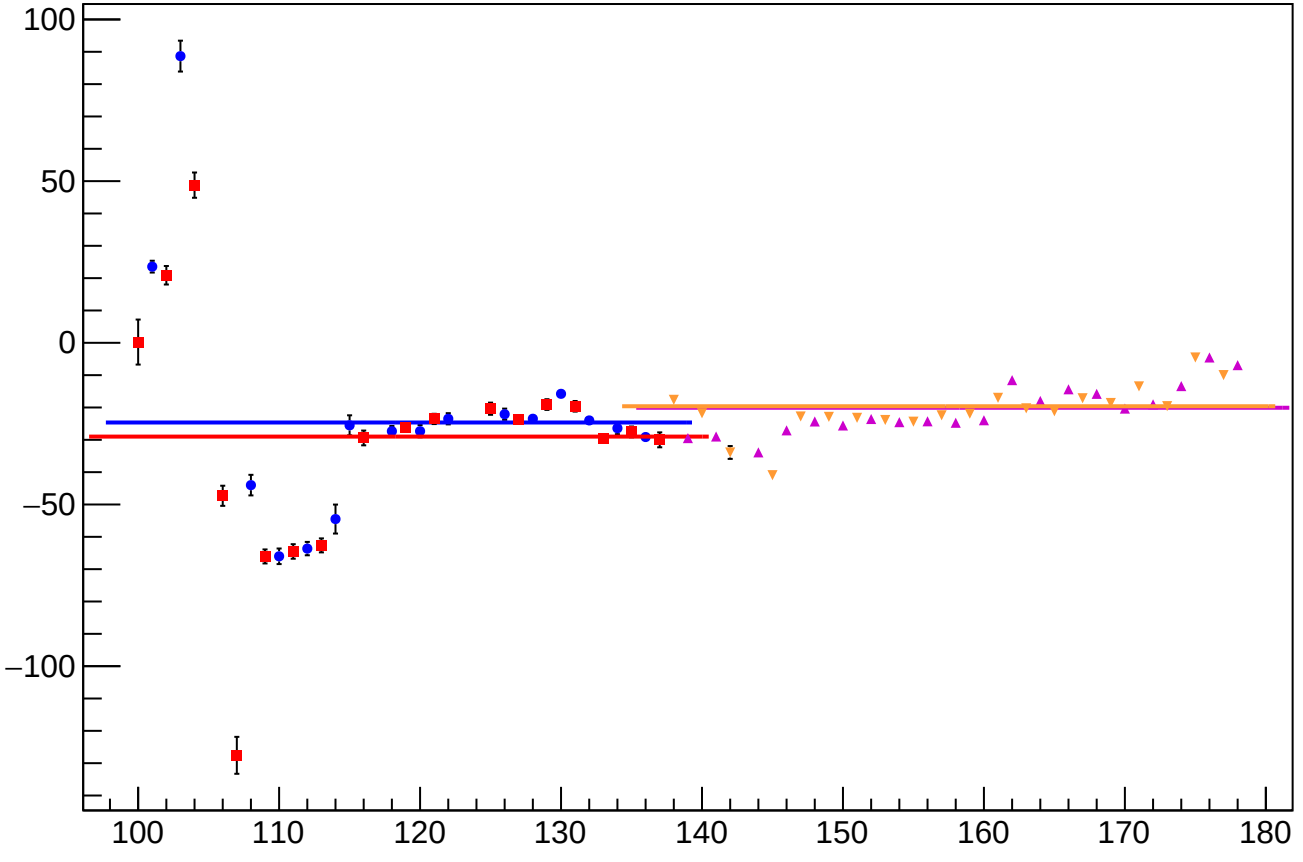
Left In: -2.011+/-0.219 χ^2/NDF:233.3/19

+ sign -2.459+/-0.192 χ^2/NDF: 467.0/35

All: -2.637+/-0.137 χ^2/NDF: 904.8/73

- sign -2.819+/-0.194 χ^2/NDF: 436.1/37

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -24.641+/-0.455 χ^2/NDF: 2051.8/15

Left Out: -19.617+/-0.298 χ^2/NDF:676.4/19

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

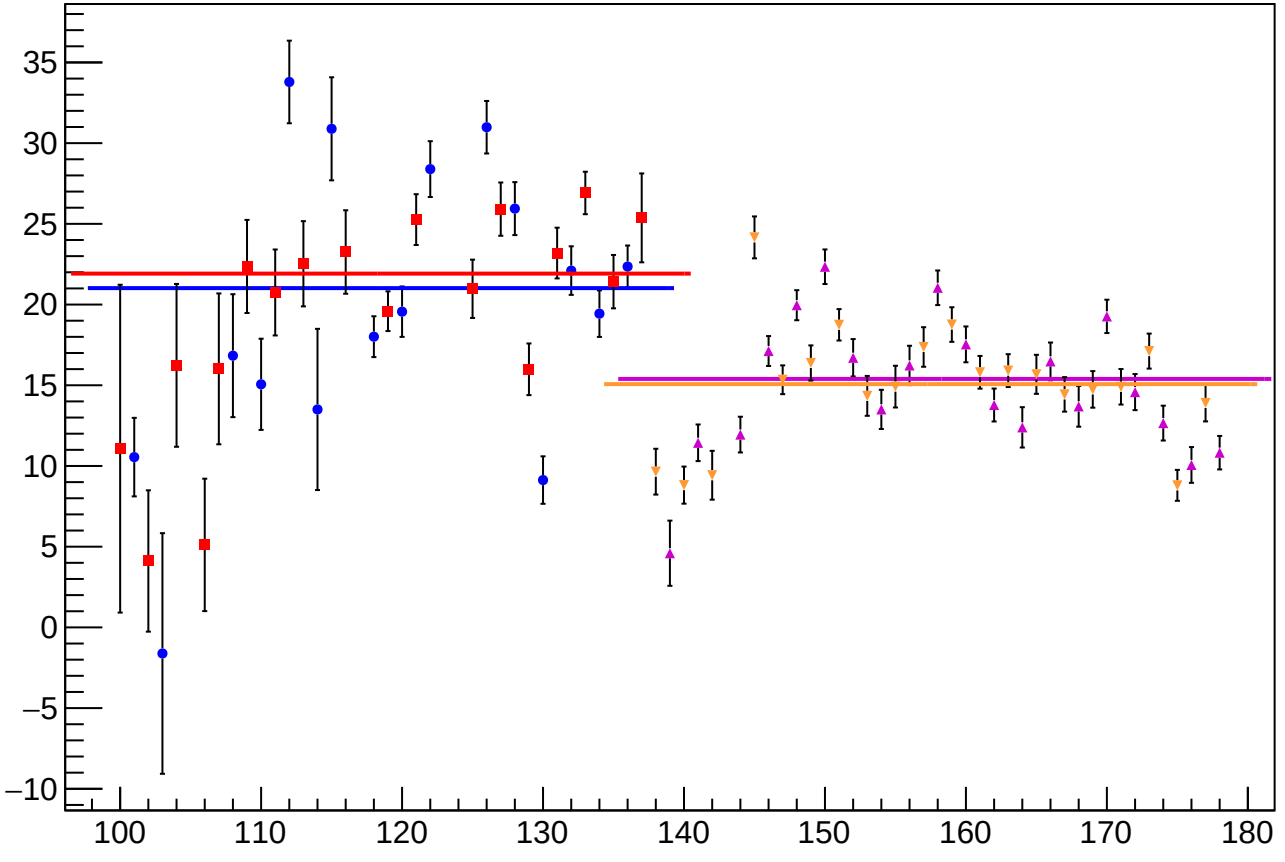
Left In: -20.082+/-0.292 χ^2/NDF:757.1/19

+ sign -21.127+/-0.249 χ^2/NDF: 2813.6/35

All: -21.831+/-0.176 χ^2/NDF: 5794.5/73

- sign -22.533+/-0.249 χ^2/NDF: 2965.0/37

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 15.071+/-0.250 χ^2/NDF:188.1/19

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

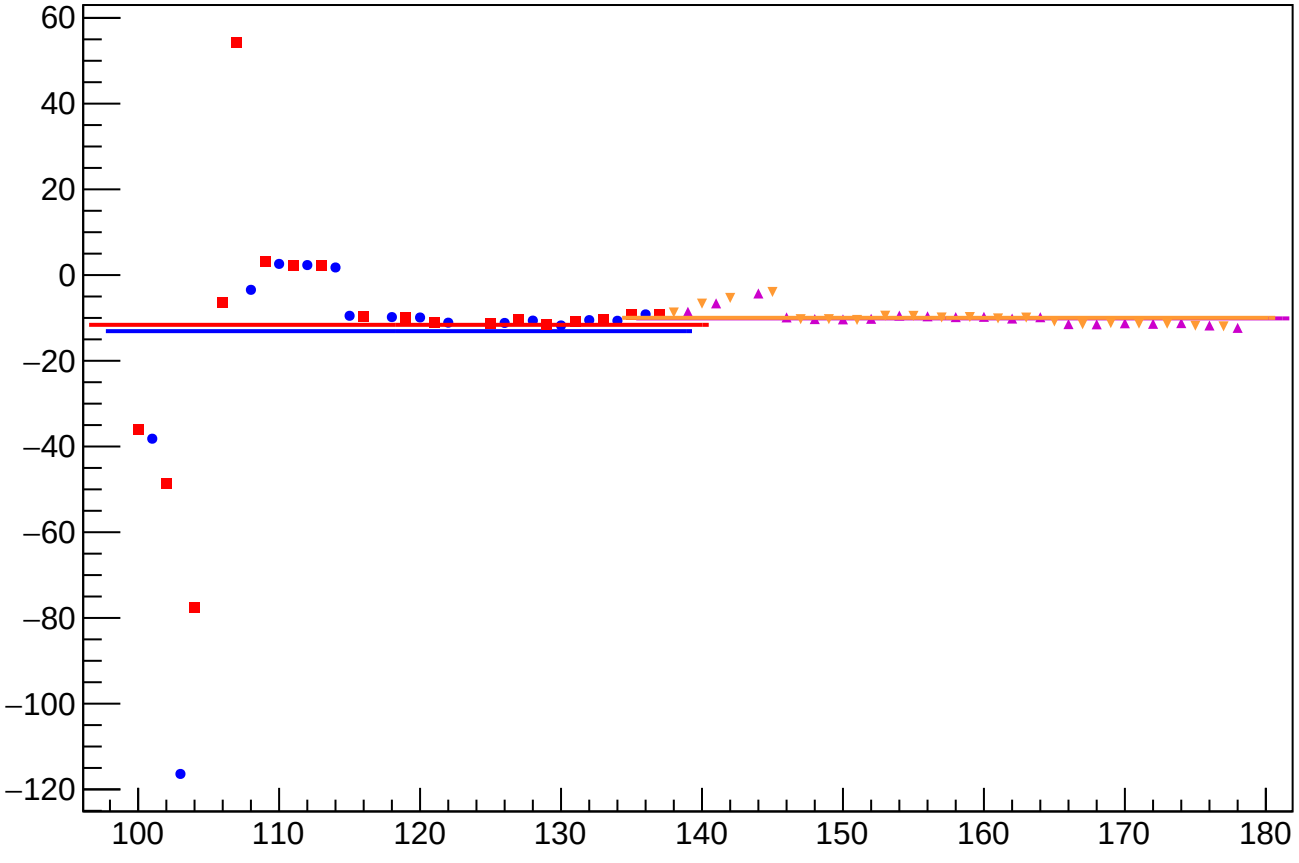
Left In: 15.393+/-0.249 χ^2/NDF:230.4/19

+ sign 16.433+/-0.219 χ^2/NDF: 527.7/35

All: 16.607+/-0.156 χ^2/NDF: 988.3/73

- sign 16.785+/-0.221 χ^2/NDF: 459.3/37

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -9.973+/-0.011 χ^2/NDF:27948.0/19

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

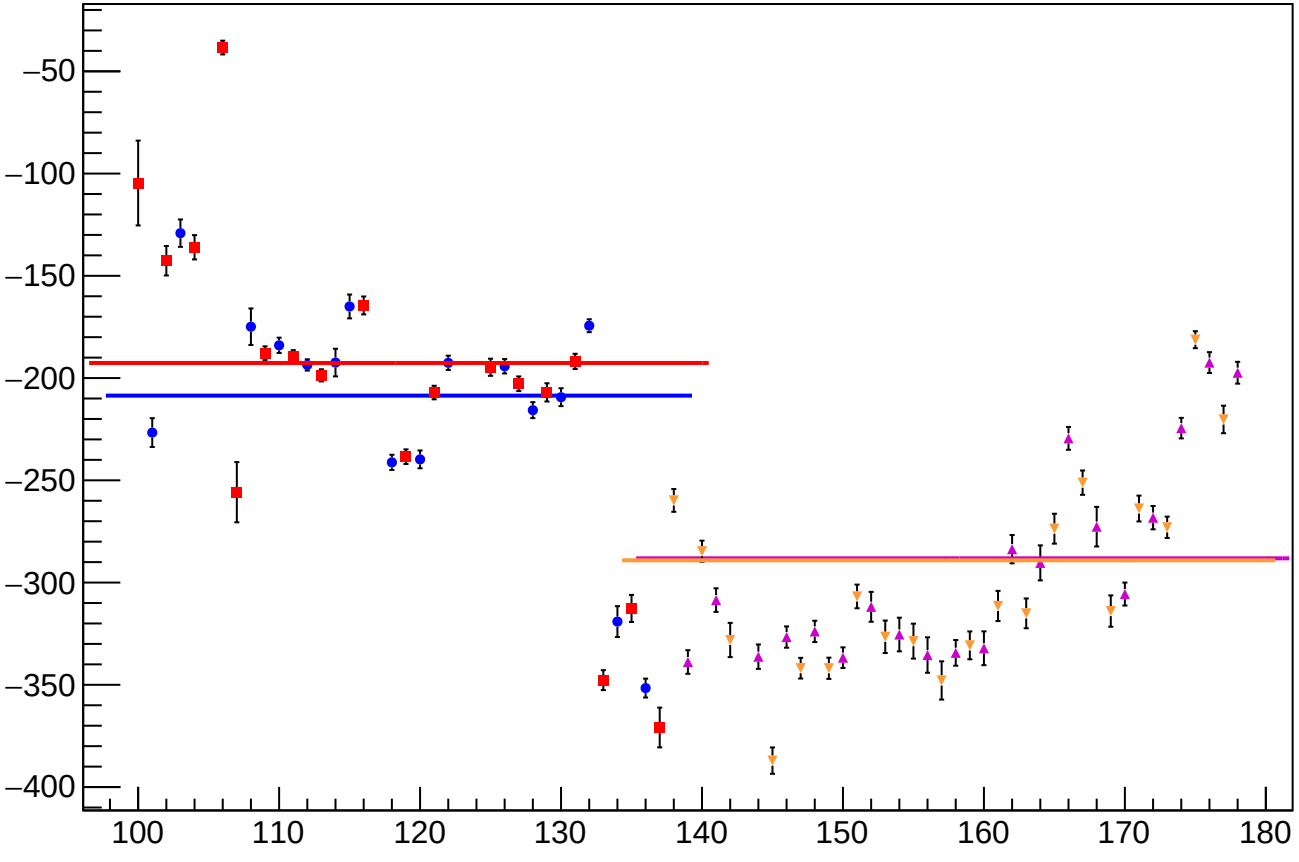
Left In: -10.109+/-0.011 χ^2/NDF:22387.2/19

+ sign -10.394+/-0.010 χ^2/NDF: 383270.5/35

All: -10.336+/-0.007 χ^2/NDF: 721999.7/73

- sign -10.278+/-0.010 χ^2/NDF: 338666.4/37

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -289.113+/-1.387 χ^2/NDF:1507.4/19

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

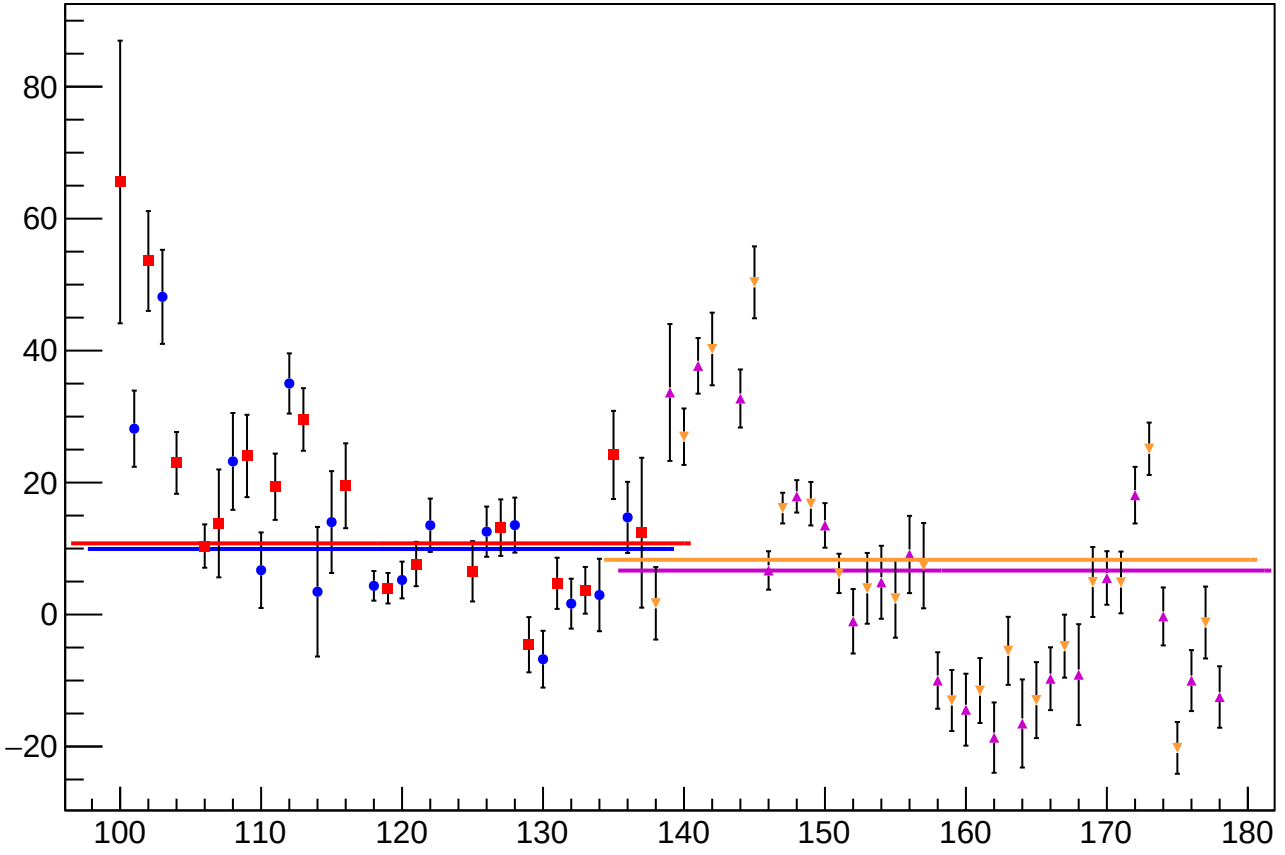
Left In: -288.151+/-1.360 χ^2/NDF:1429.1/19

+ sign -238.515+/-0.845 χ^2/NDF: 5377.4/35

All: -231.997+/-0.583 χ^2/NDF: 14331.7/73

- sign -226.085+/-0.805 χ^2/NDF: 8840.9/37

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



Right In: 9.938+/-1.065 χ^2/NDF: 106.6/15

Left Out: 8.301+/-0.965 χ^2/NDF:274.5/19

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

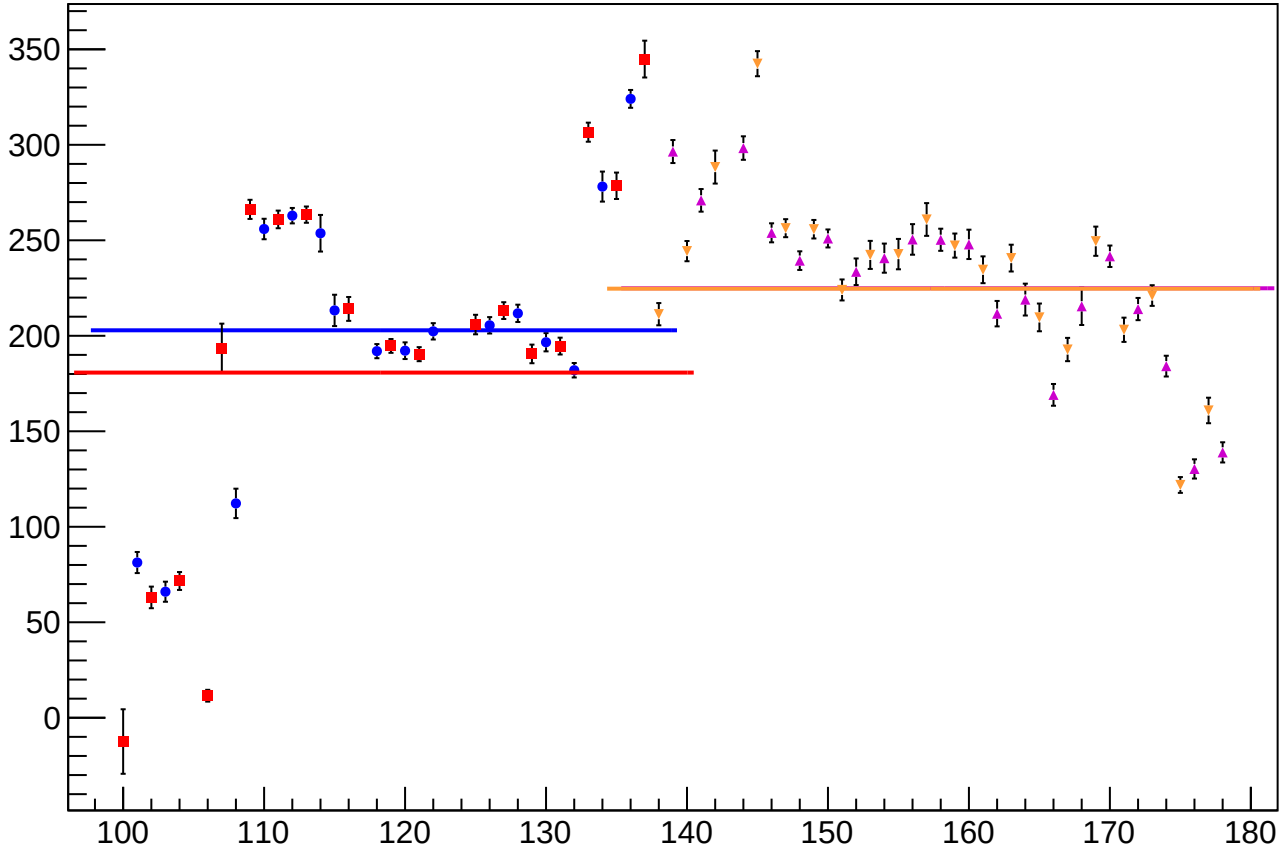
Left In: 6.667+/-0.972 χ^2/NDF:244.3/19

+ sign 9.038+/-0.715 χ^2/NDF: 382.3/35

All: 8.808+/-0.504 χ^2/NDF: 740.2/73

- sign 8.581+/-0.711 χ^2/NDF: 357.7/37

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 202.874+/-1.226 χ^2/NDF: 2464.2/15

Left Out: 224.675+/-1.362 χ^2/NDF:1292.2/19

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

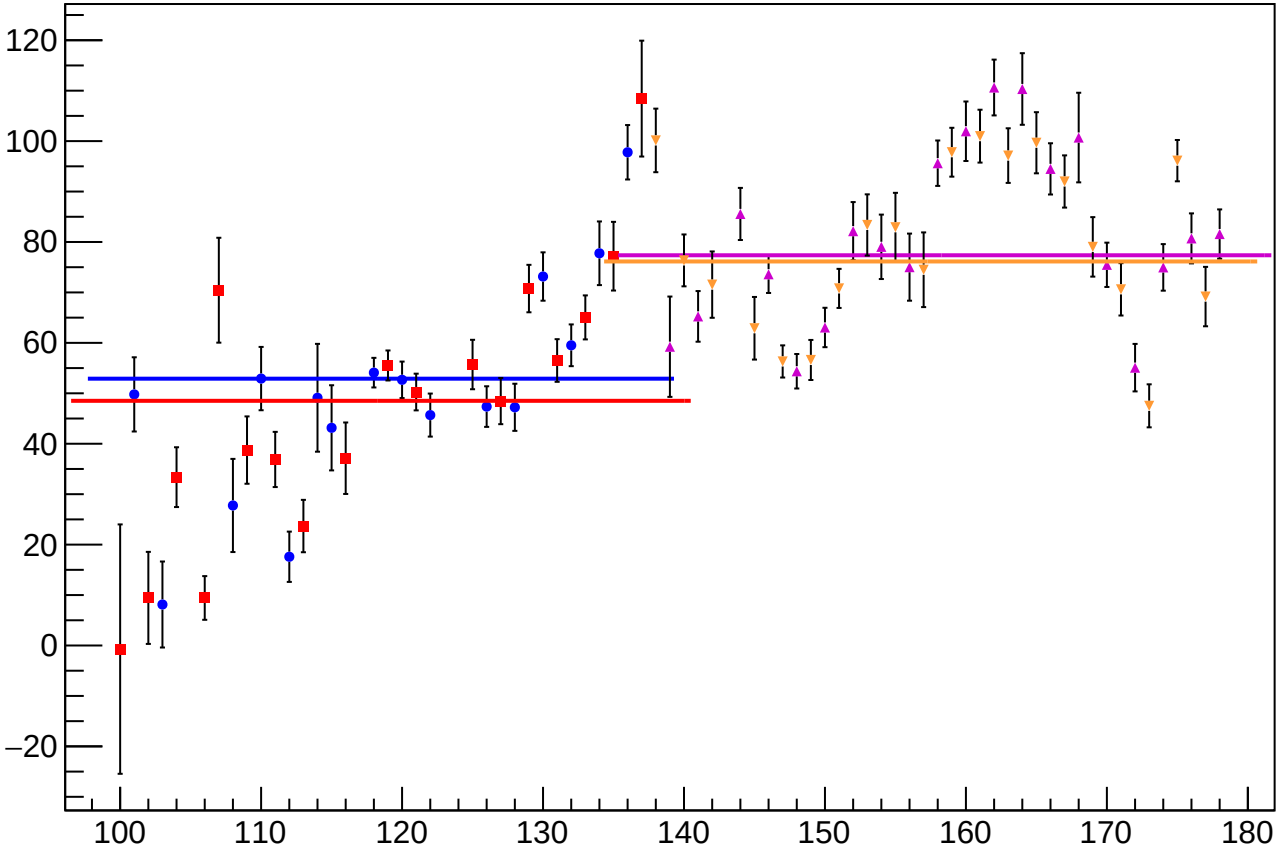
Left In: 224.875+/-1.338 χ^2/NDF:1248.6/19

+ sign 212.624+/-0.911 χ^2/NDF: 3897.9/35

All: 205.682+/-0.629 χ^2/NDF: 12234.1/73

- sign 199.361+/-0.869 χ^2/NDF: 8225.3/37

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 52.899+/-1.242 χ^2/NDF: 198.3/15

Left Out: 76.139+/-1.122 χ^2/NDF:240.3/19

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

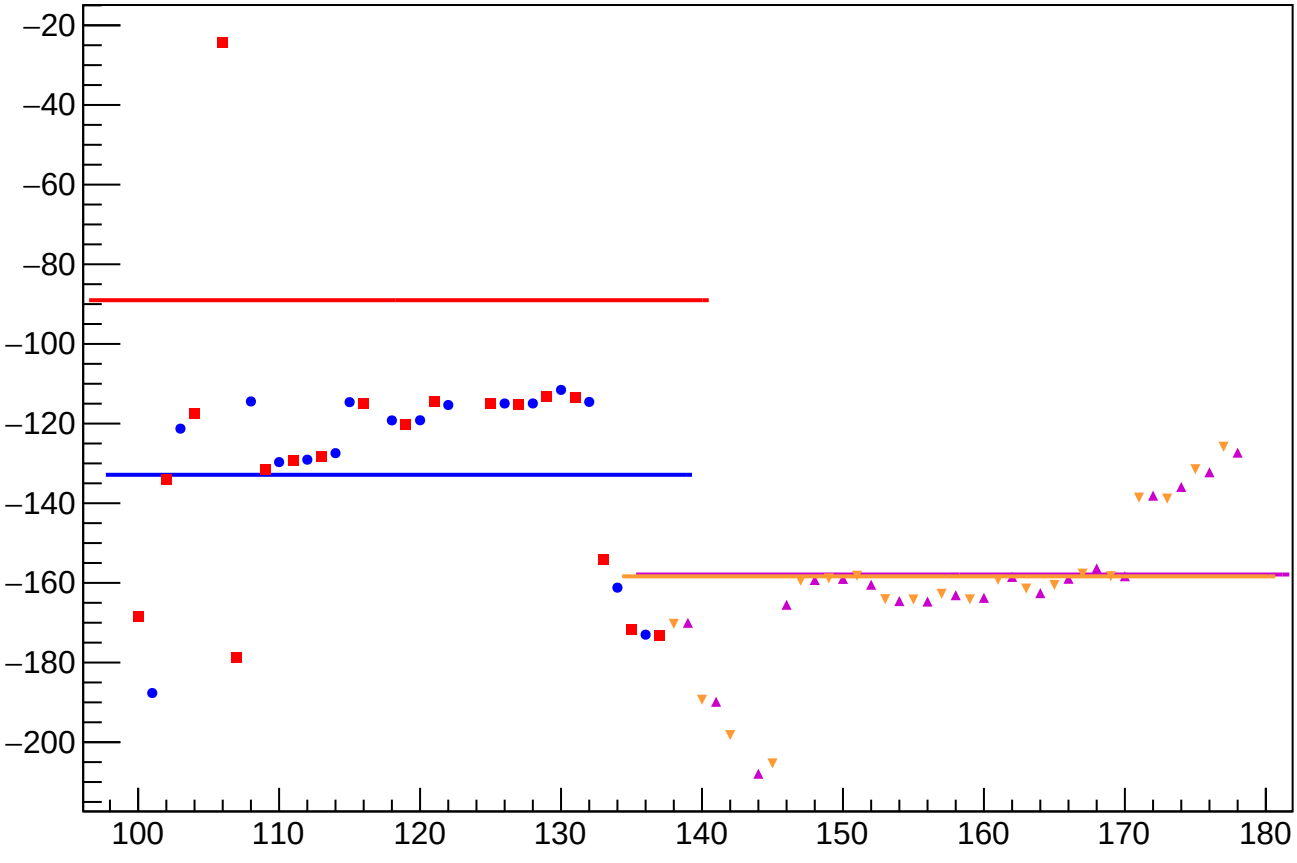
Left In: 77.367+/-1.120 χ^2/NDF:206.1/19

+ sign 65.691+/-0.832 χ^2/NDF: 631.5/35

All: 64.886+/-0.585 χ^2/NDF: 1384.6/73

- sign 64.099+/-0.823 χ^2/NDF: 751.2/37

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

Left Out: -158.356+/-0.053 χ^2/NDF:123460.2/19

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

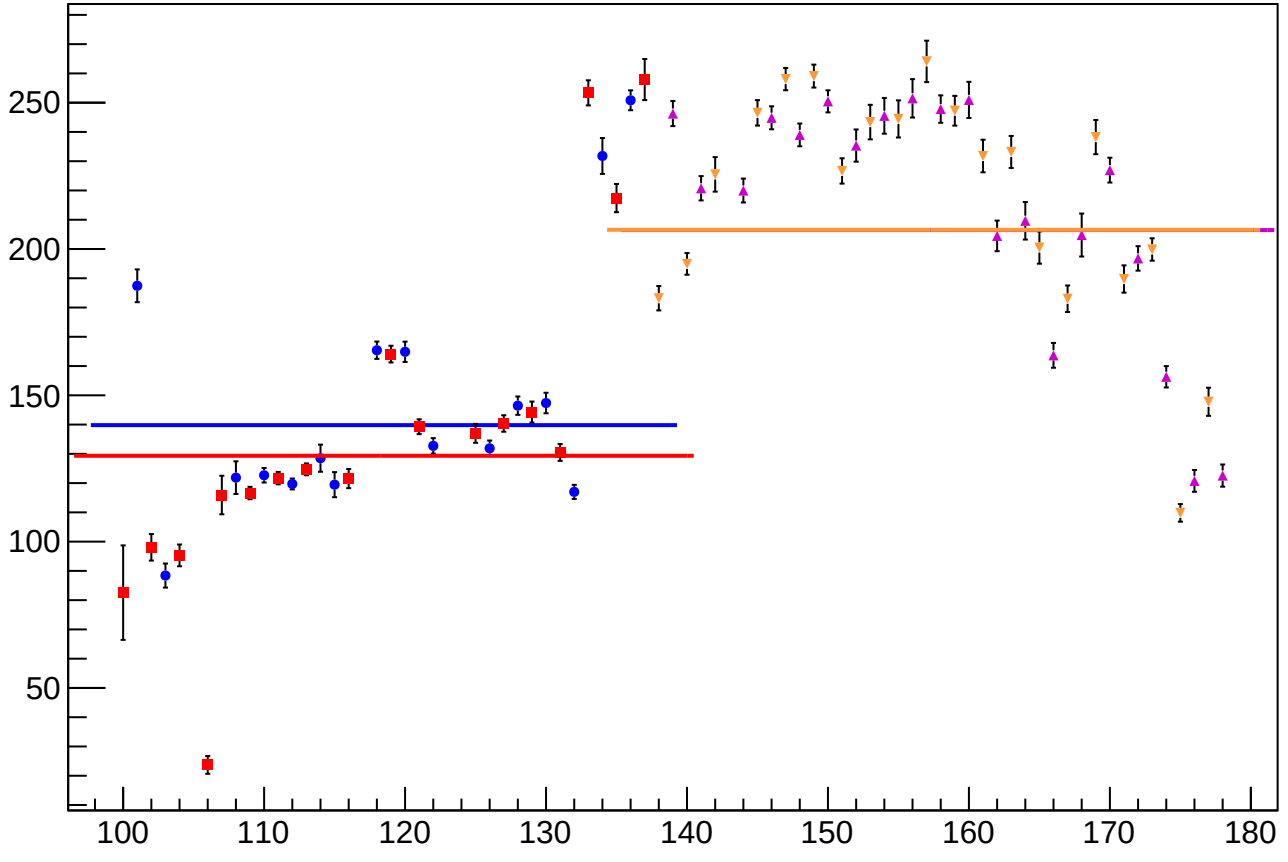
Left In: -157.894+/-0.051 χ^2/NDF:112012.2/19

+ sign -150.856+/-0.044 χ^2/NDF: 286312.0/35

All: -140.048+/-0.030 χ^2/NDF: 1940910.6/73

- sign -131.182+/-0.040 χ^2/NDF: 1545366.6/37

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 206.567+/-1.022 χ^2/NDF:2027.5/19

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

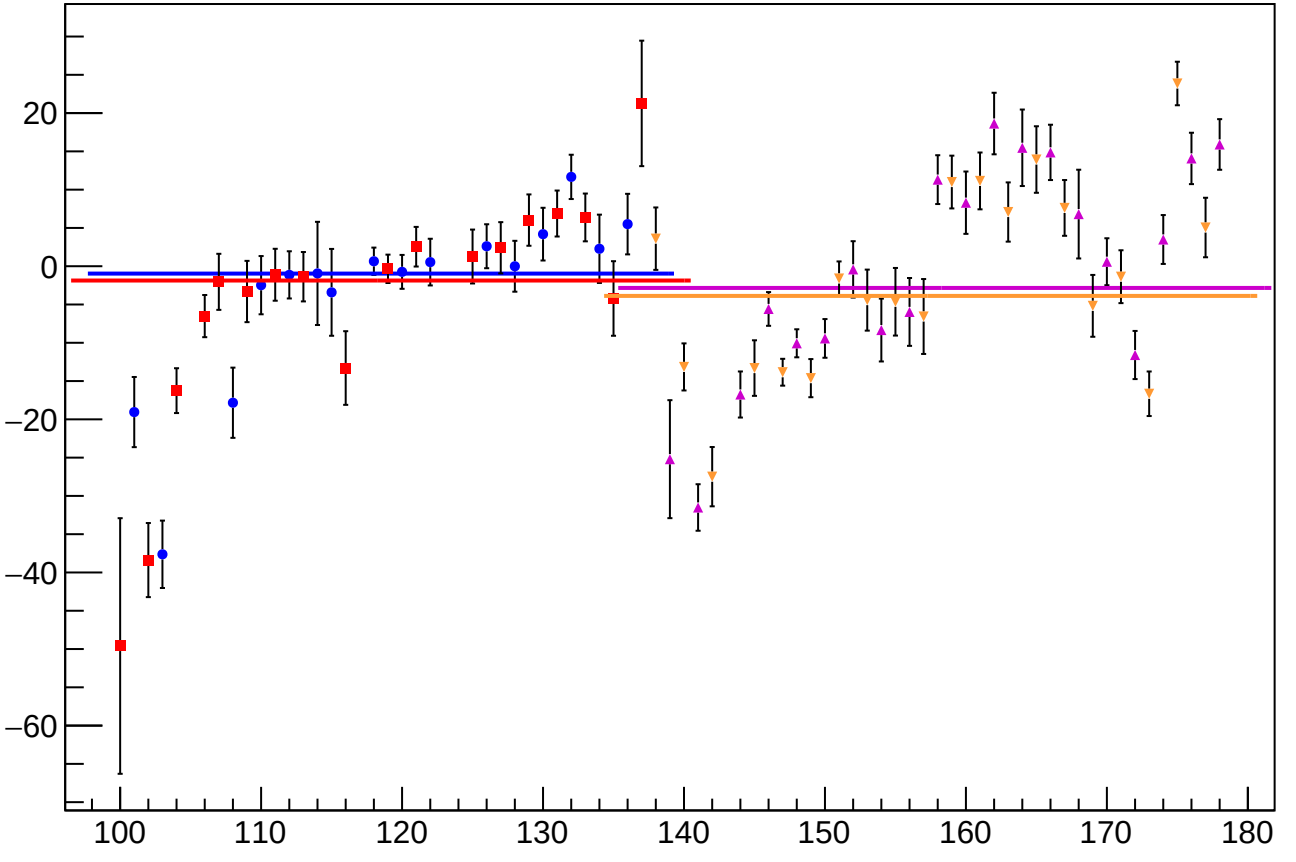
Left In: 206.465+/-1.003 χ^2/NDF:1997.2/19

+ sign 164.553+/-0.622 χ^2/NDF: 6675.9/35

All: 160.192+/-0.429 χ^2/NDF: 15737.6/73

- sign 156.240+/-0.593 χ^2/NDF: 8968.2/37

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -3.877+/-0.715 χ^2/NDF:299.0/19

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

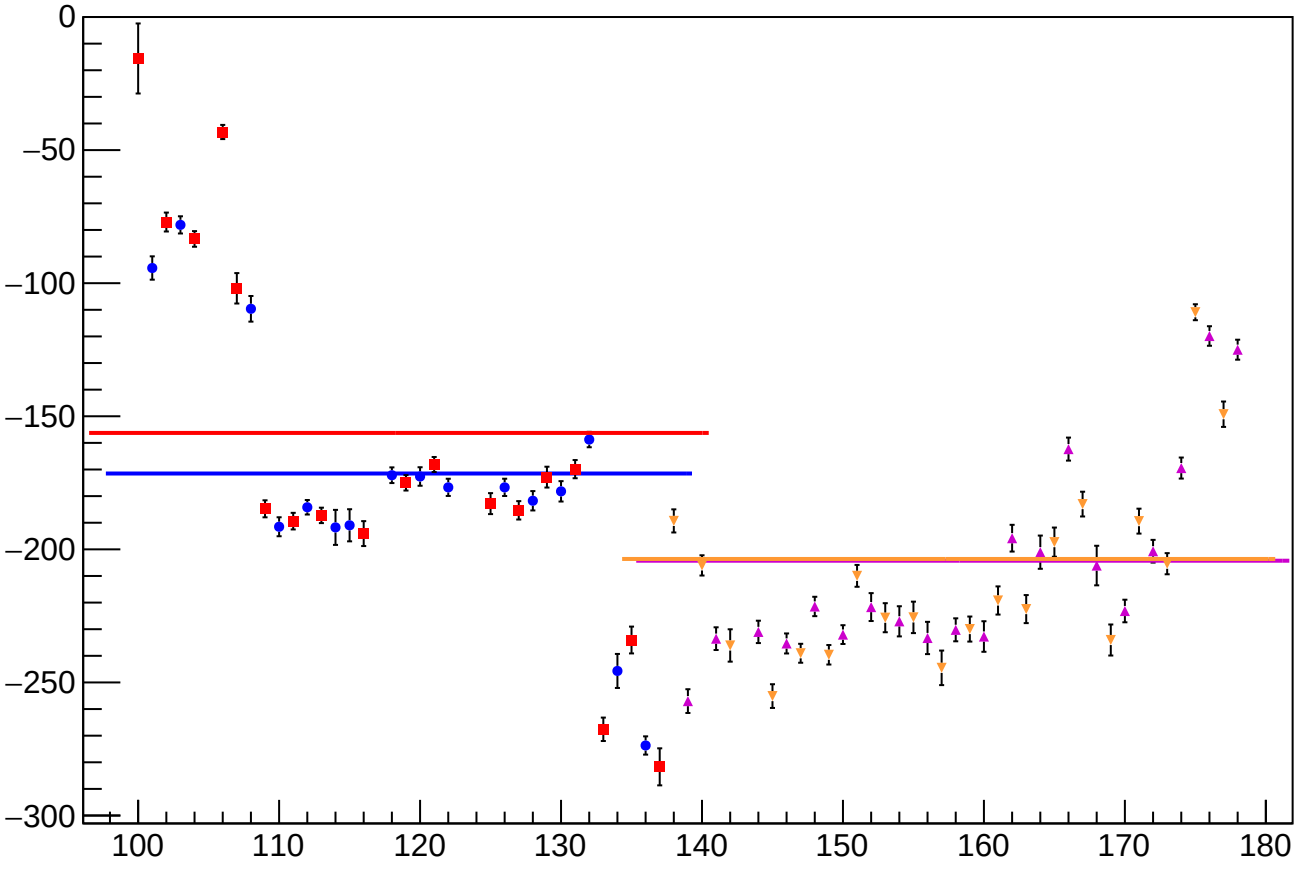
Left In: -2.836+/-0.719 χ^2/NDF:312.0/19

+ sign -2.599+/-0.535 χ^2/NDF: 432.3/35

All: -2.495+/-0.377 χ^2/NDF: 878.4/73

- sign -2.394+/-0.530 χ^2/NDF: 446.0/37

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -203.610+/-1.006 χ^2/NDF:1638.0/19

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

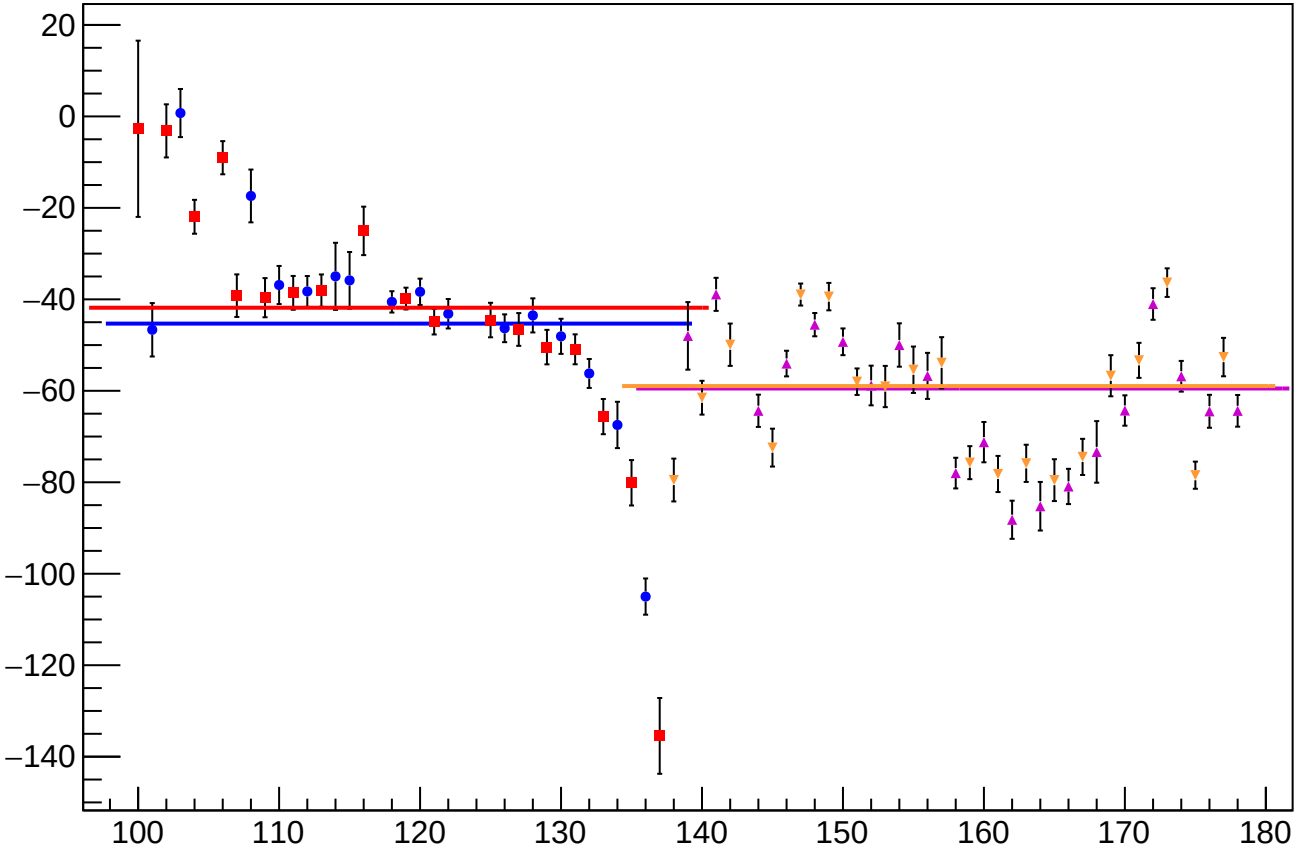
Left In: -204.269+/-0.988 χ^2/NDF:1661.0/19

\+ sign -185.900+/-0.674 χ^2/NDF: 4642.8/35

All: -181.036+/-0.465 χ^2/NDF: 12667.9/73

\- sign -176.599+/-0.643 χ^2/NDF: 7925.4/37

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -58.963+/-0.830 χ^2/NDF:345.5/19

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

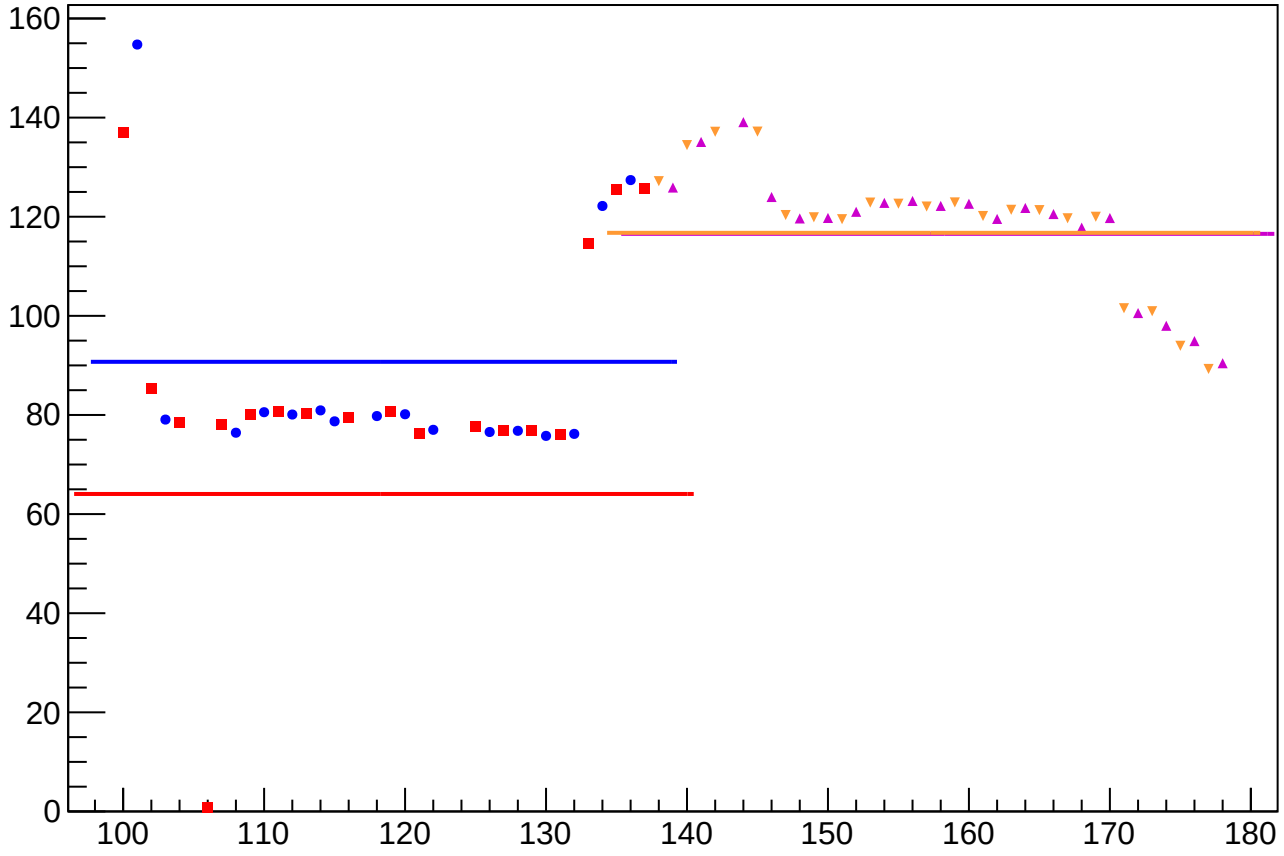
Left In: -59.493+/-0.828 χ^2/NDF:265.8/19

\+ sign -52.959+/-0.622 χ^2/NDF: 846.4/35

All: -52.210+/-0.436 χ^2/NDF: 1735.5/73

\- sign -51.482+/-0.612 χ^2/NDF: 886.2/37

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 90.726+/-0.058 χ^2/NDF: 161153.0/15

Left Out: 116.753+/-0.039 χ^2/NDF:115247.7/19

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

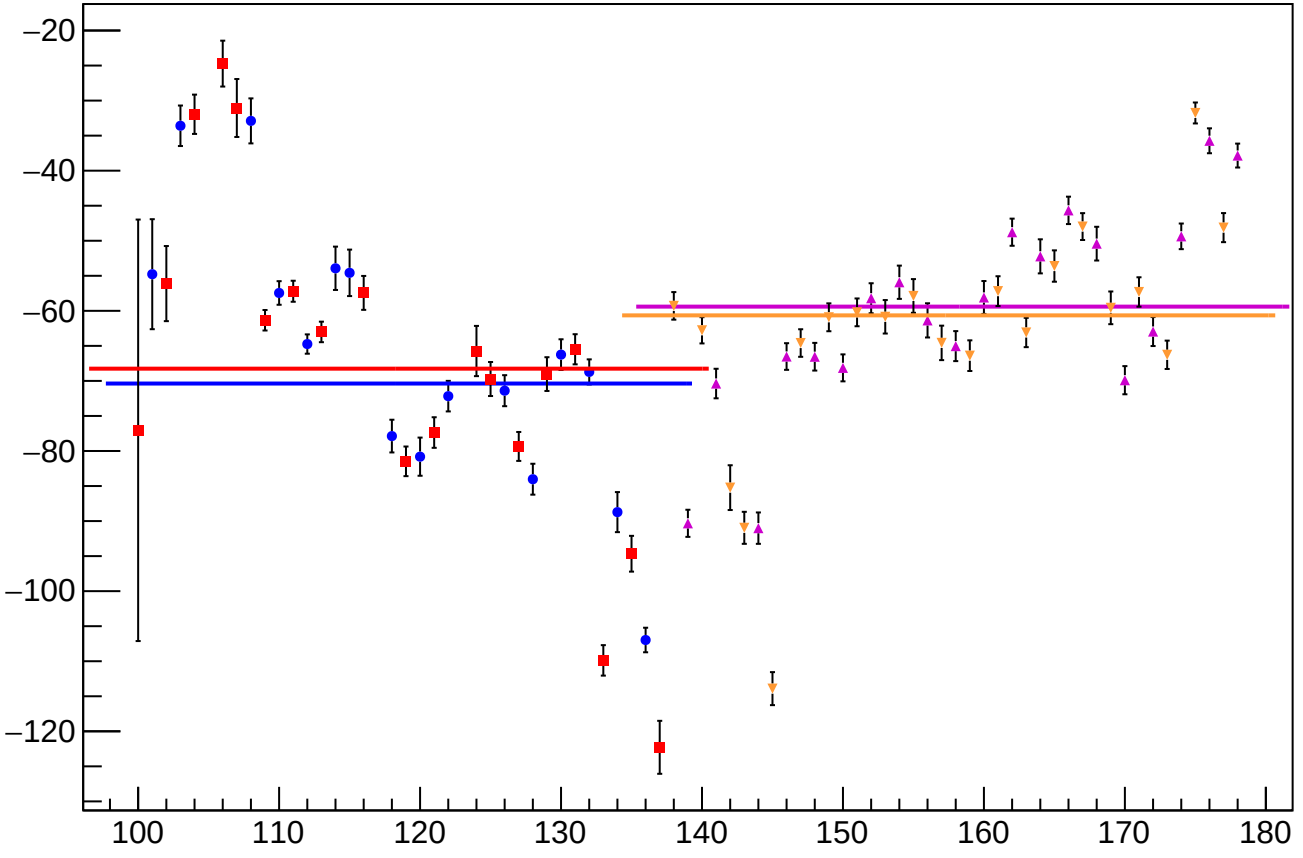
Left In: 116.544+/-0.038 χ^2/NDF:112529.8/19

+ sign 108.788+/-0.032 χ^2/NDF: 413845.4/35

All: 102.509+/-0.022 χ^2/NDF: 1971228.9/73

- sign 97.112+/-0.030 χ^2/NDF: 1487338.4/37

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -60.647+/-0.458 χ^2/NDF:1241.0/20

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

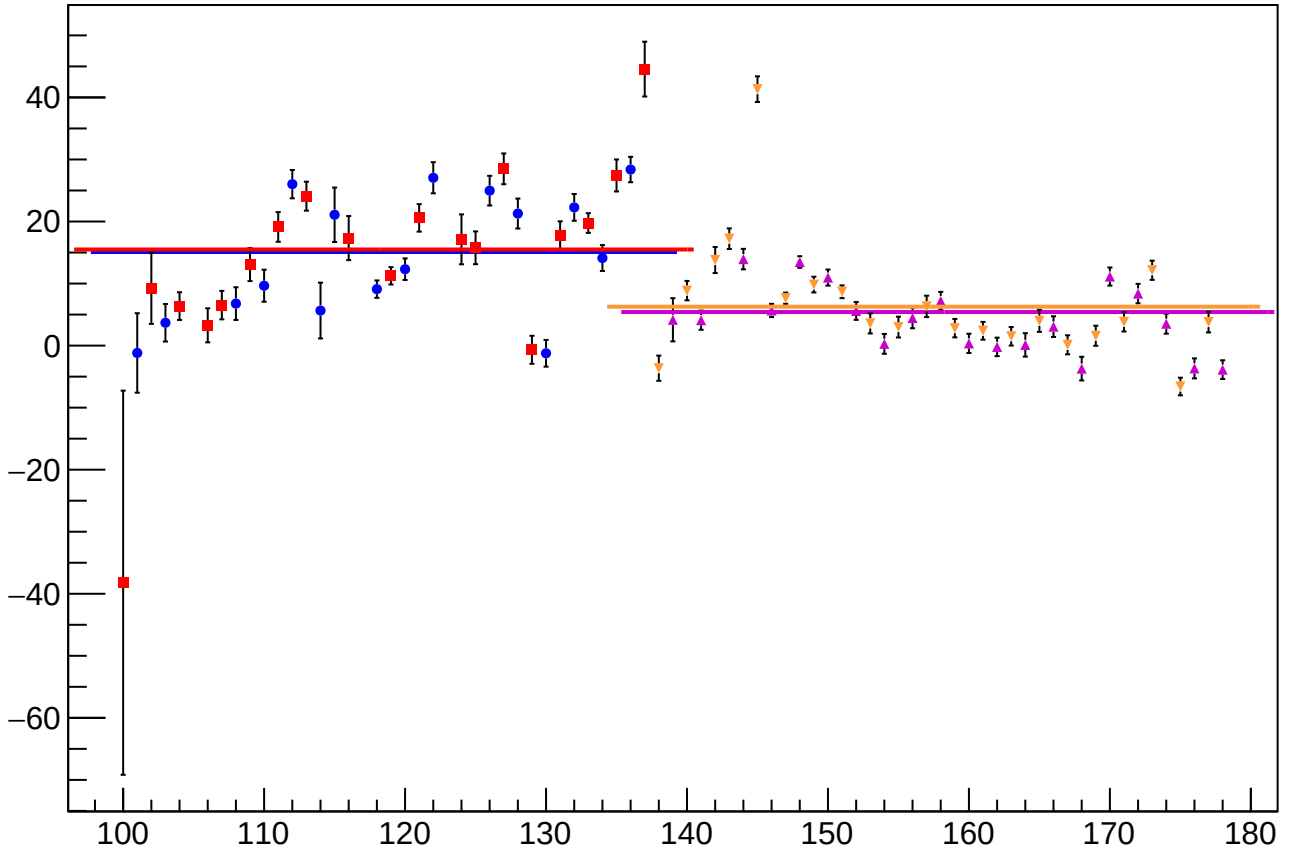
Left In: -59.399+/-0.458 χ^2/NDF:1039.1/19

\+ sign -64.569+/-0.354 χ^2/NDF: 2397.4/36

All: -63.873+/-0.247 χ^2/NDF: 4910.9/75

\- sign -63.210+/-0.346 χ^2/NDF: 2506.0/38

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 6.270+/-0.324 χ^2/NDF:542.5/20

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

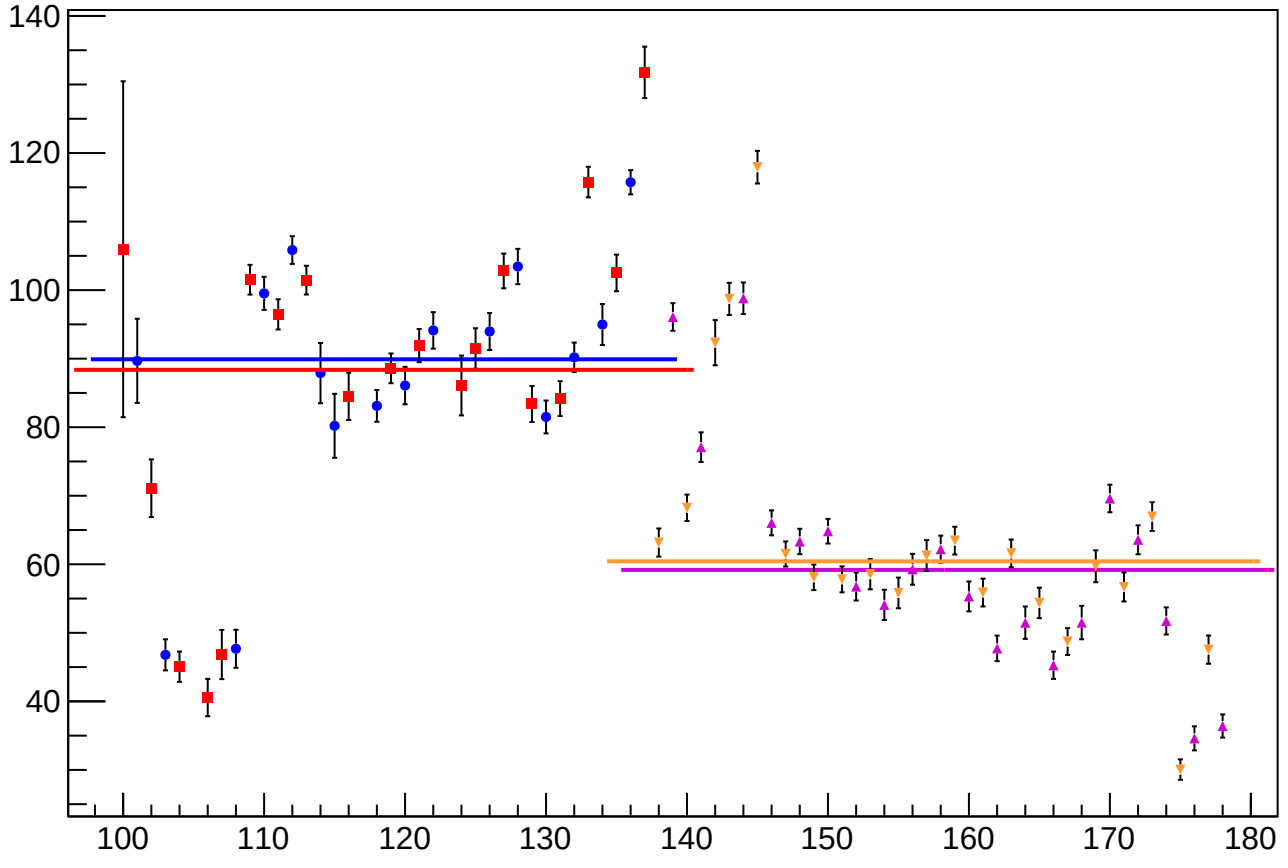
Left In: 5.409+/-0.332 χ^2/NDF:280.6/19

+ sign 8.364+/-0.283 χ^2/NDF: 960.8/36

All: 8.206+/-0.201 χ^2/NDF: 1722.3/75

- sign 8.046+/-0.285 χ^2/NDF: 760.8/38

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



Right In: 89.907+/-0.641 χ^2/NDF: 947.7/15

Left Out: 60.429+/-0.450 χ^2/NDF:1486.8/20

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

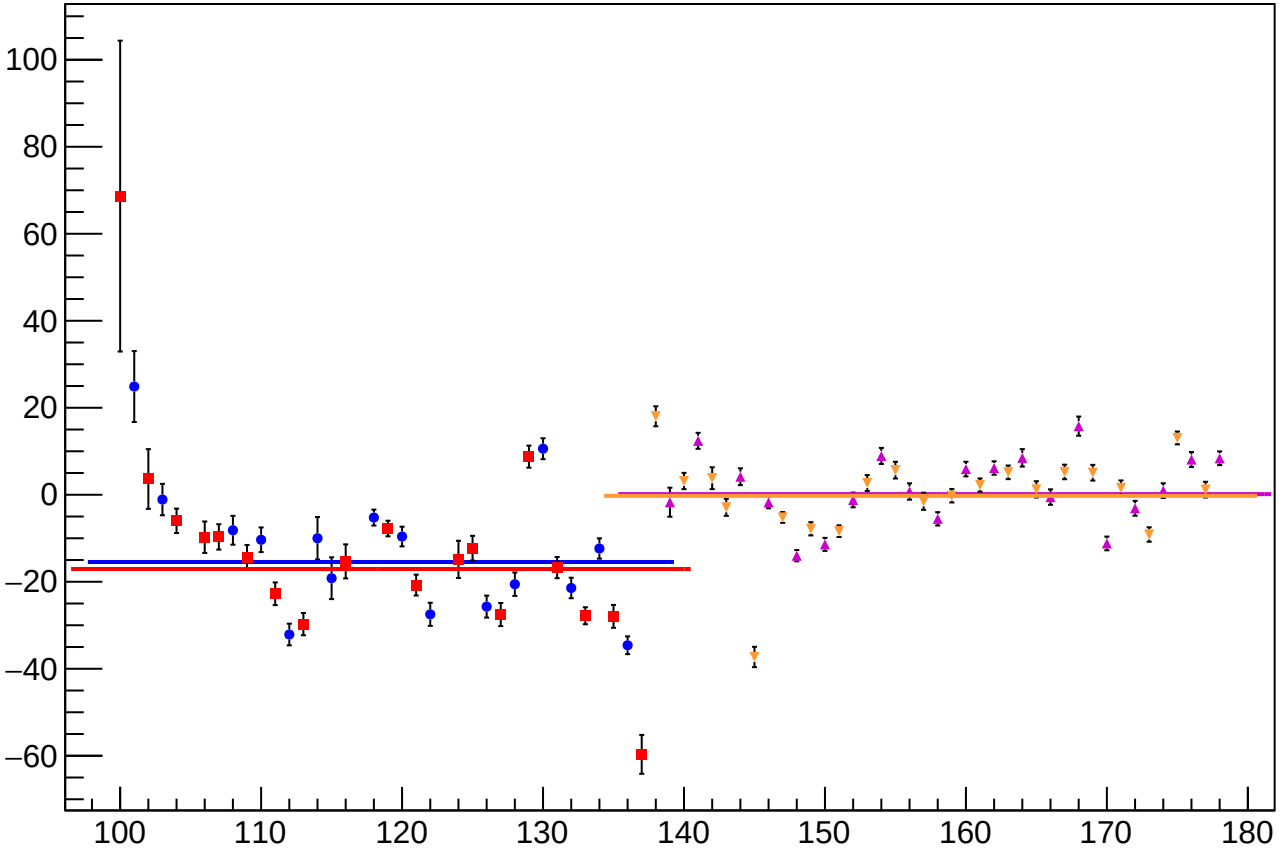
Left In: 59.181+/-0.449 χ^2/NDF:1270.2/19

+ sign 70.165+/-0.368 χ^2/NDF: 3852.2/36

All: 69.723+/-0.259 χ^2/NDF: 7875.5/75

- sign 69.292+/-0.363 χ^2/NDF: 4020.5/38

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: -0.251+/-0.373 χ^2/NDF:556.6/20

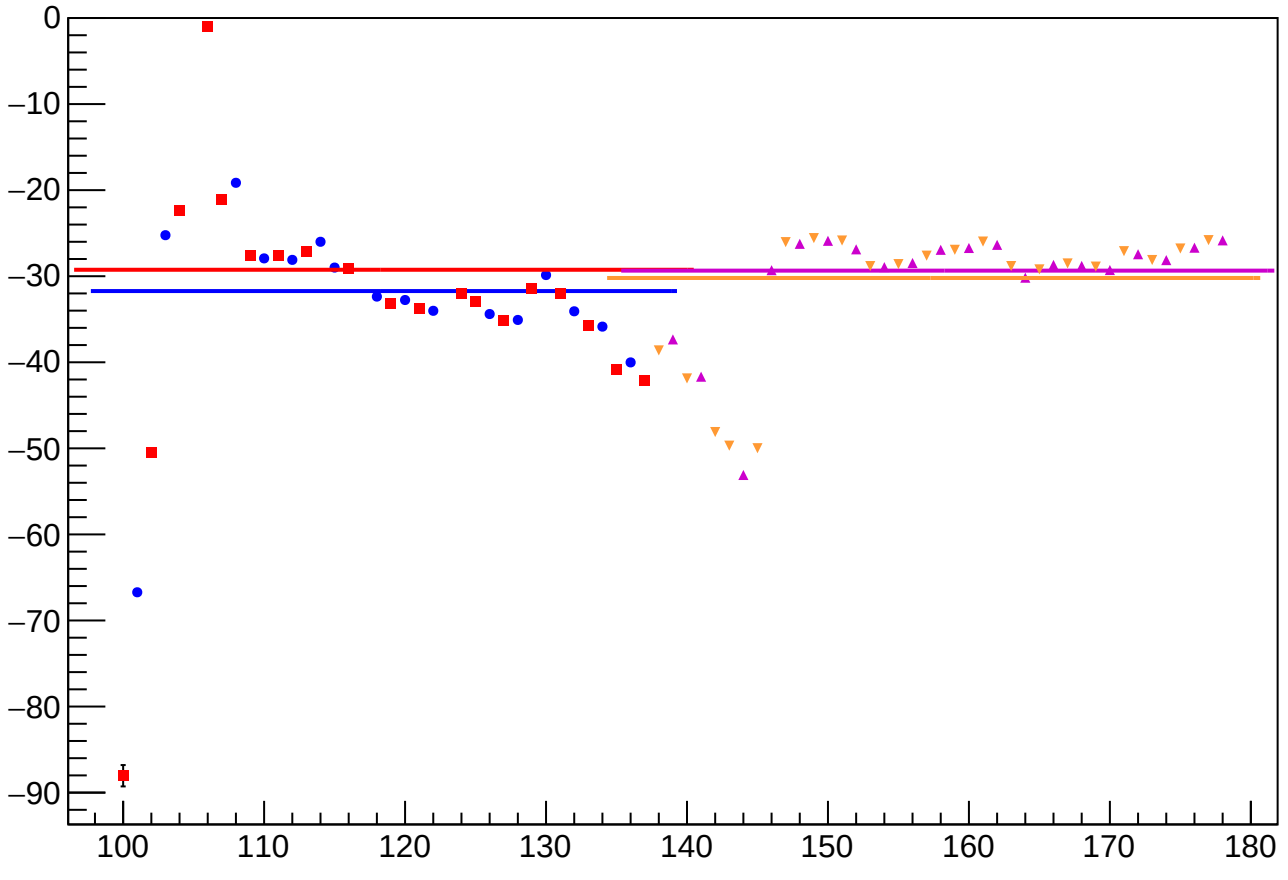
Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: 0.144+/-0.379 χ^2/NDF:465.0/19

\+ sign -3.882+/-0.325 χ^2/NDF: 1340.4/36

All: -4.087+/-0.231 χ^2/NDF: 2697.9/75

\- sign -4.293+/-0.327 χ^2/NDF: 1356.6/38



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -30.205+/-0.017 χ^2/NDF:158353.8/20

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

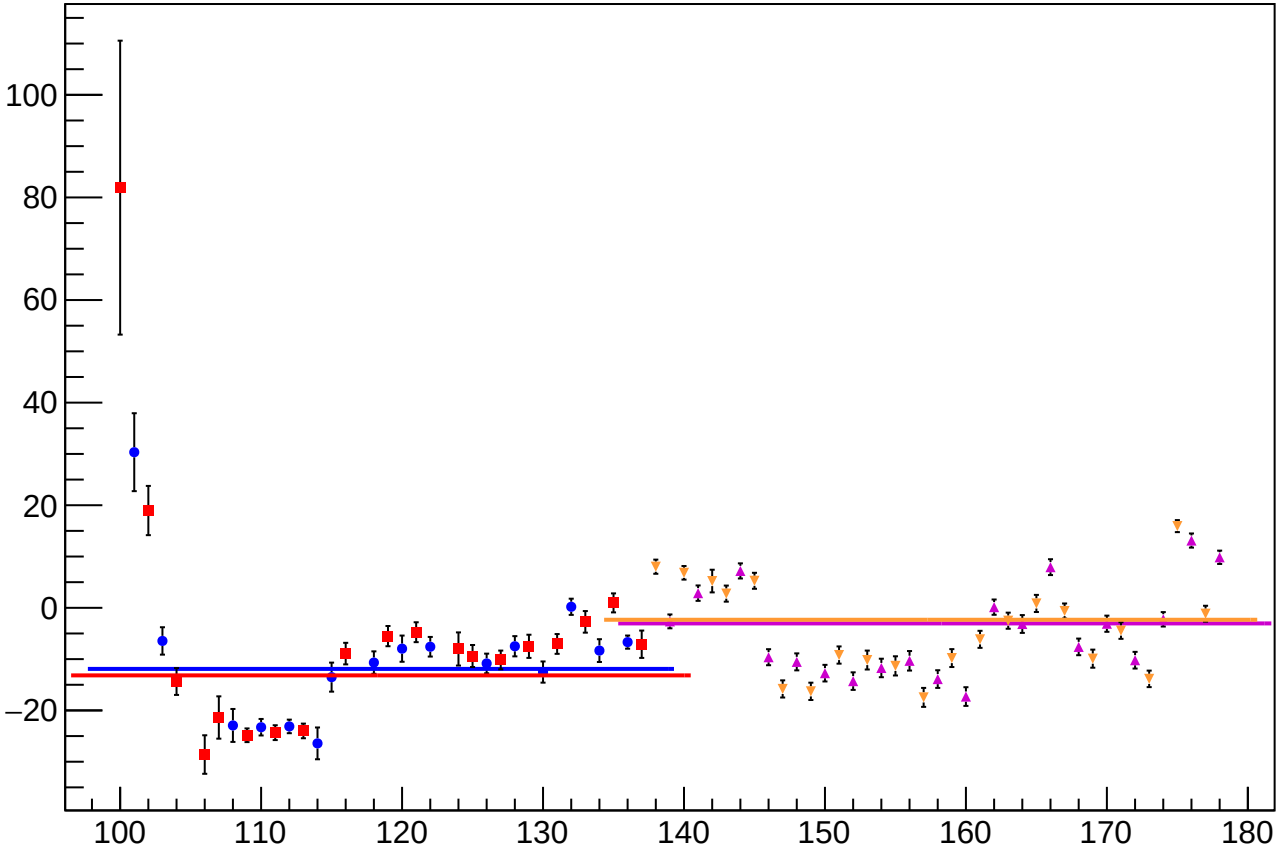
Left In: -29.351+/-0.017 χ^2/NDF:99006.9/19

\+ sign -30.454+/-0.016 χ^2/NDF: 199292.3/36

All: -29.891+/-0.011 χ^2/NDF: 396132.9/75

\- sign -29.335+/-0.015 χ^2/NDF: 194248.6/38

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: -11.906+/-0.497 χ^2/NDF: 282.1/15

Left Out: -2.326+/-0.349 χ^2/NDF:750.9/20

Right Out: -13.169+/-0.480 χ^2/NDF: 421.5/18

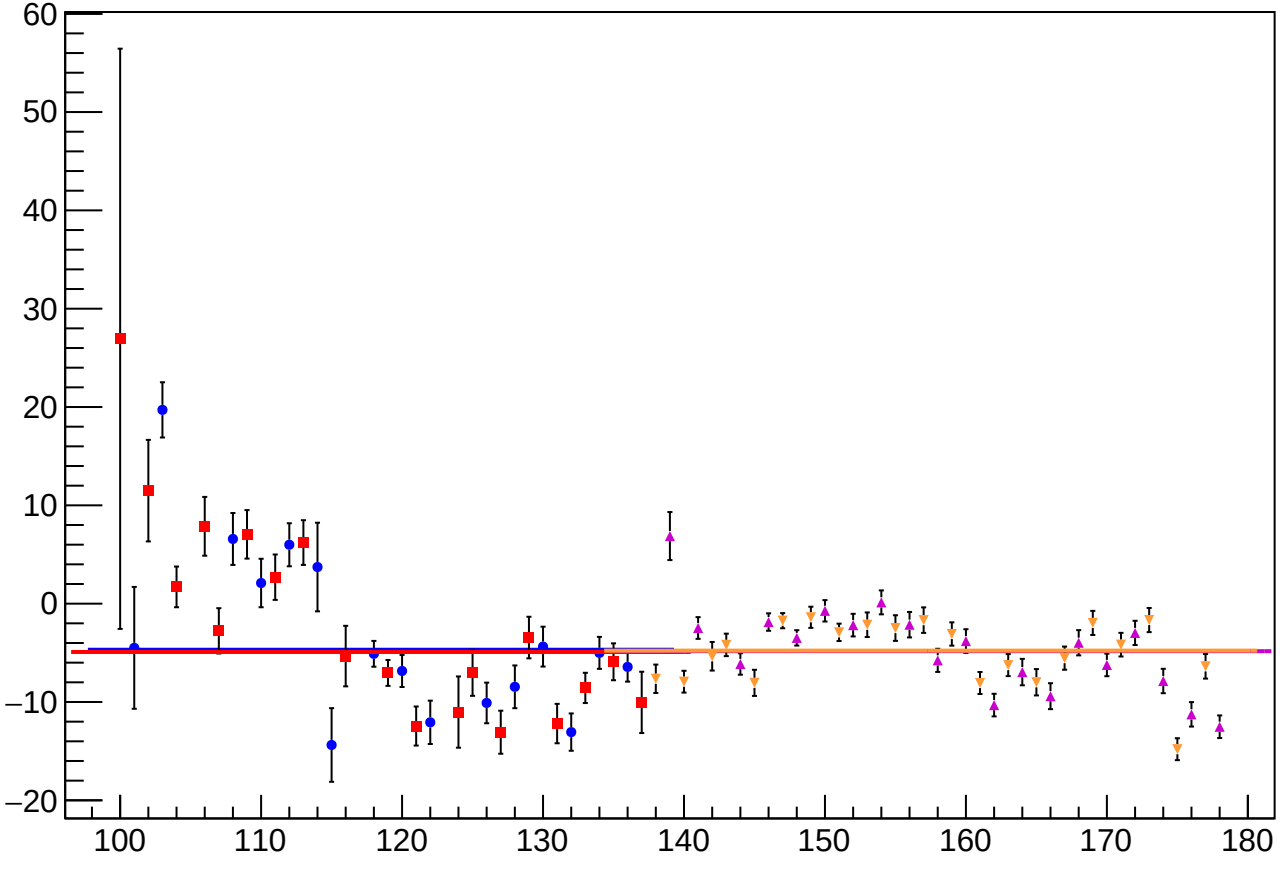
Left In: -3.041+/-0.350 χ^2/NDF:638.6/19

+ sign -5.493+/-0.286 χ^2/NDF: 1282.0/36

All: -6.030+/-0.201 χ^2/NDF: 2639.6/75

- sign -6.557+/-0.283 χ^2/NDF: 1350.6/38

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -4.775+/-0.252 χ^2/NDF:174.7/20

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

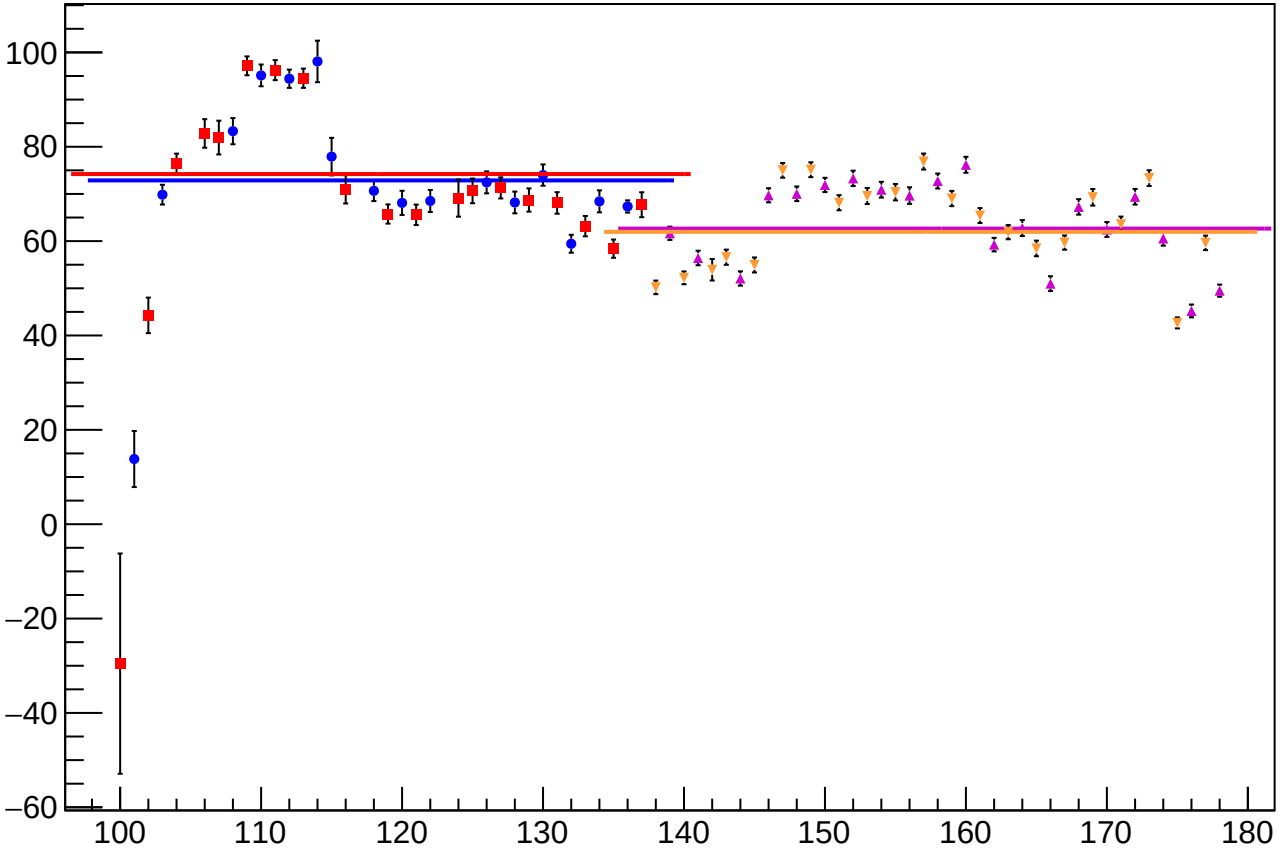
Left In: -4.831+/-0.258 χ^2/NDF:203.8/19

+ sign -4.758+/-0.226 χ^2/NDF: 353.8/36

All: -4.802+/-0.162 χ^2/NDF: 713.5/75

- sign -4.848+/-0.231 χ^2/NDF: 359.7/38

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 61.974+/-0.344 χ^2/NDF:804.7/20

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

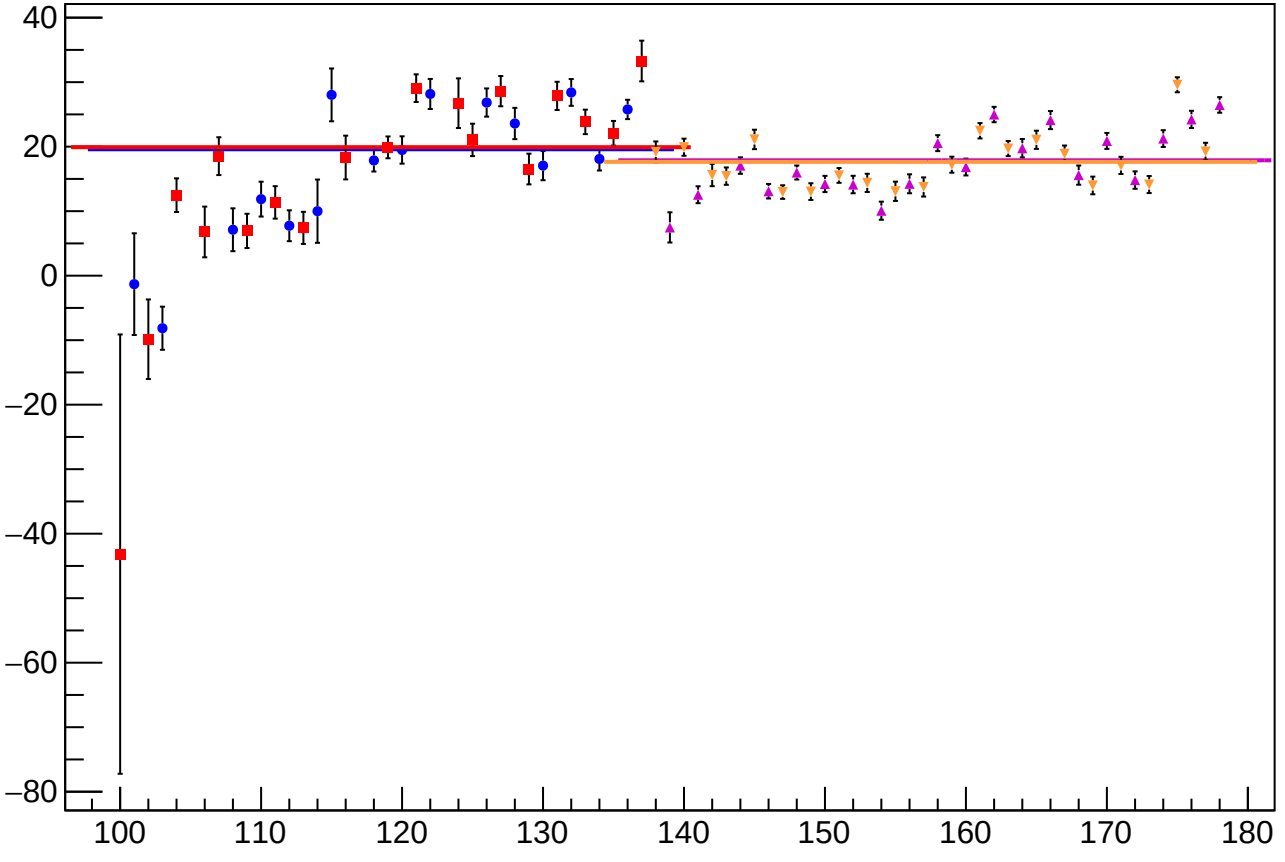
Left In: 62.653+/-0.345 χ^2/NDF:690.4/19

+ sign 64.916+/-0.294 χ^2/NDF: 1526.3/36

All: 65.364+/-0.208 χ^2/NDF: 3114.9/75

- sign 65.813+/-0.294 χ^2/NDF: 1584.0/38

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 19.598+/-0.585 χ^2/NDF: 196.0/15

Left Out: 17.647+/-0.288 χ^2/NDF:218.5/20

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

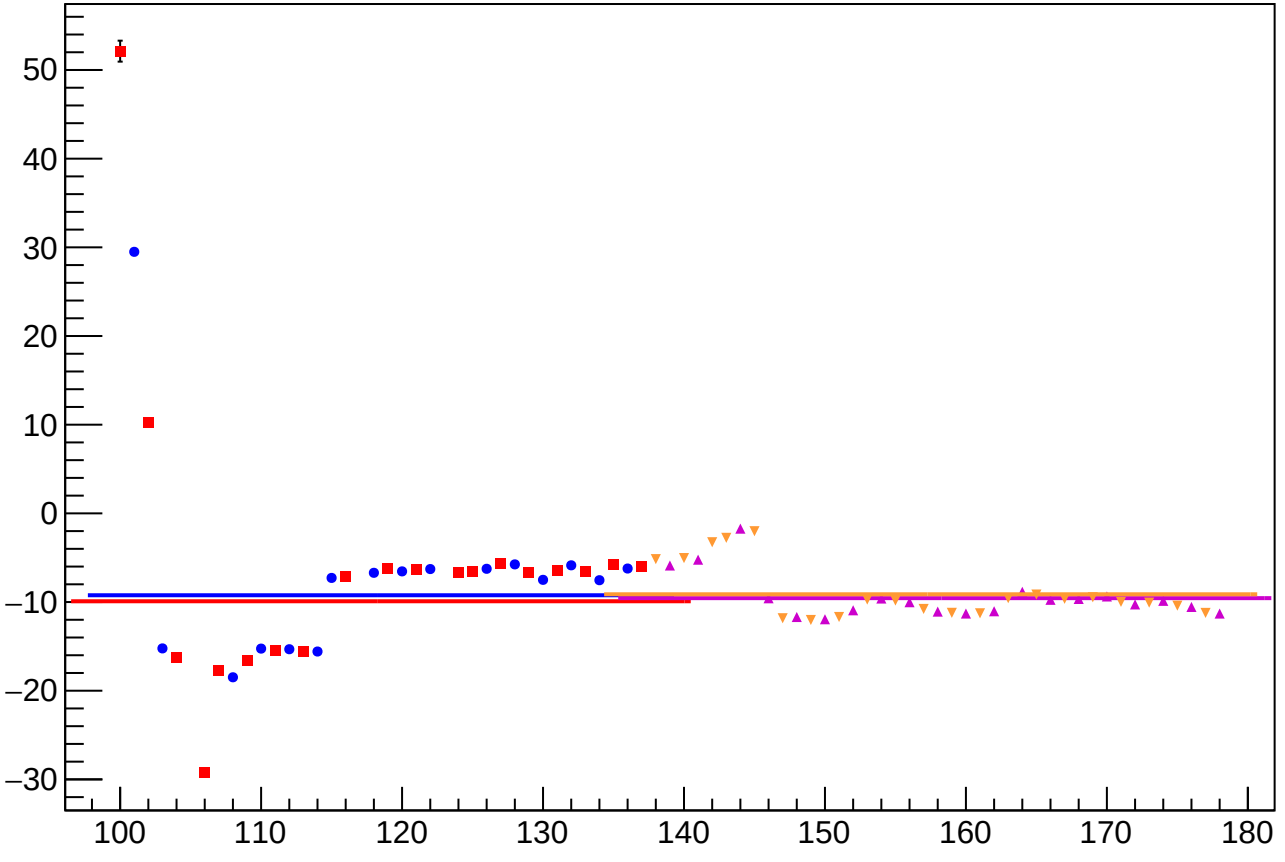
Left In: 17.885+/-0.294 χ^2/NDF:266.7/19

\+ sign 18.027+/-0.258 χ^2/NDF: 423.4/36

All: 18.158+/-0.184 χ^2/NDF: 881.6/75

\- sign 18.294+/-0.263 χ^2/NDF: 457.7/38

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: -9.235+/-0.033 χ^2/NDF: 31159.3/15

Left Out: -9.125+/-0.013 χ^2/NDF:47130.7/20

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

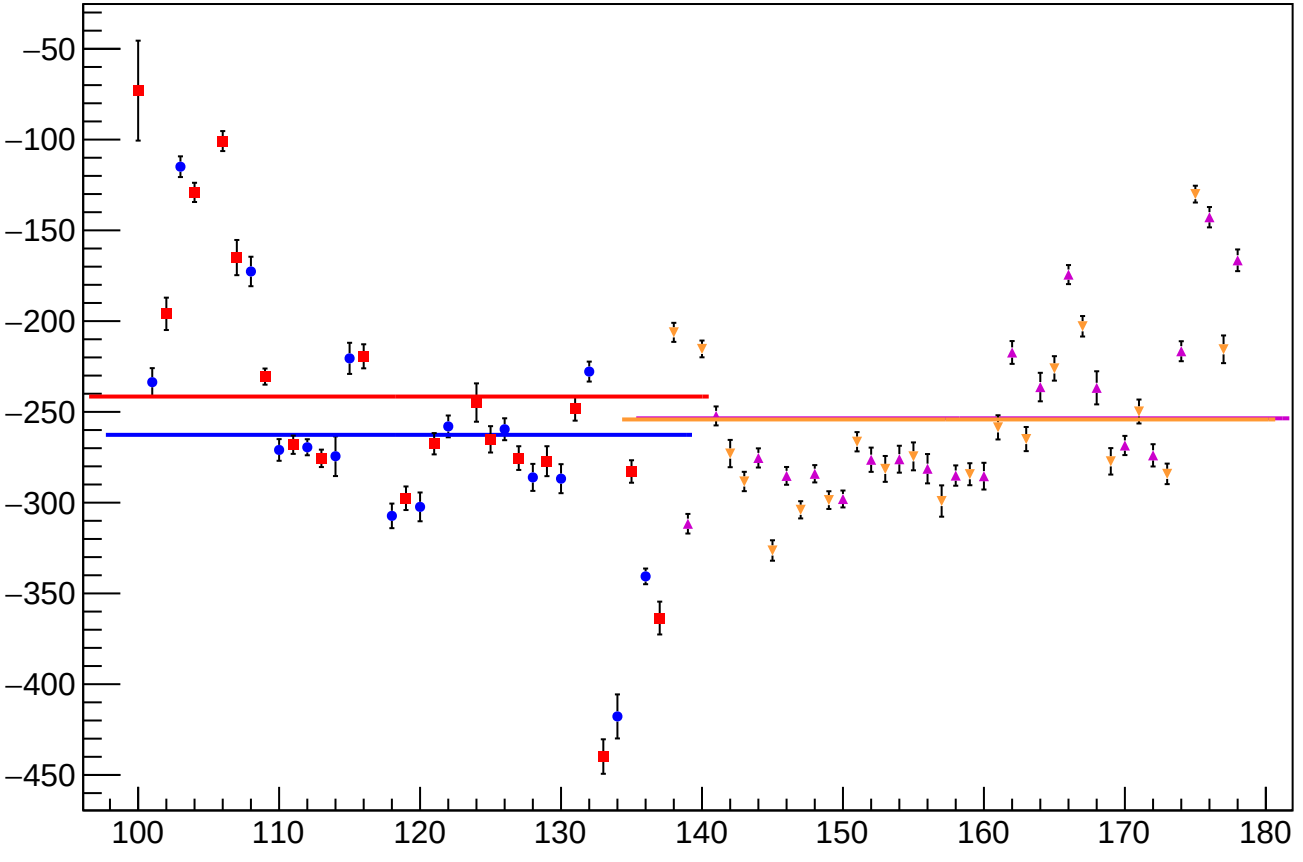
Left In: -9.561+/-0.013 χ^2/NDF:30673.5/19

+ sign -9.140+/-0.012 χ^2/NDF: 78299.6/36

All: -9.372+/-0.009 χ^2/NDF: 163662.3/75

- sign -9.605+/-0.012 χ^2/NDF: 84628.0/38

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -262.643+/-1.614 χ^2/NDF: 1454.3/15

Left Out: -254.164+/-1.288 χ^2/NDF:1523.9/20

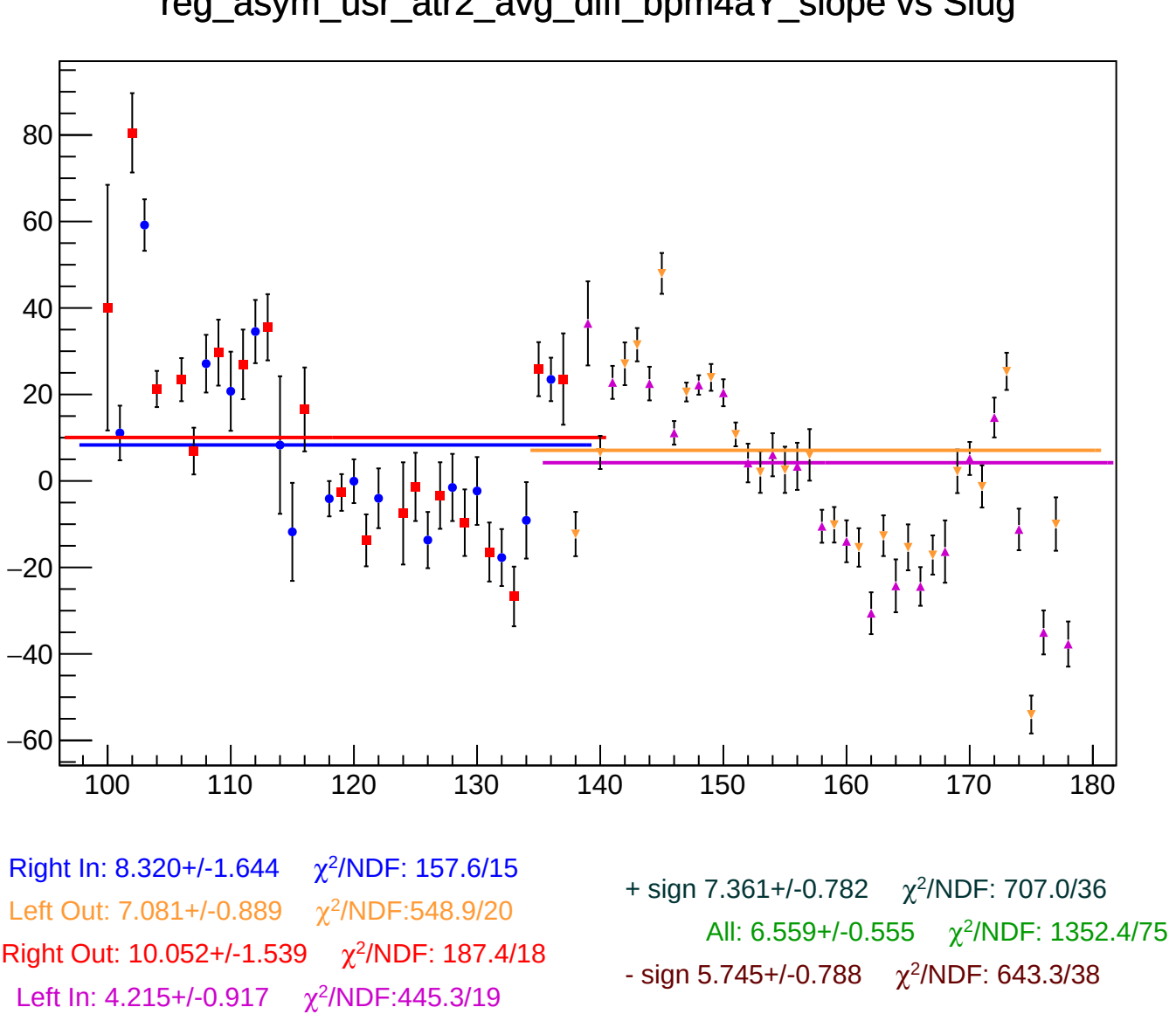
Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

Left In: -253.544+/-1.302 χ^2/NDF:1325.9/19

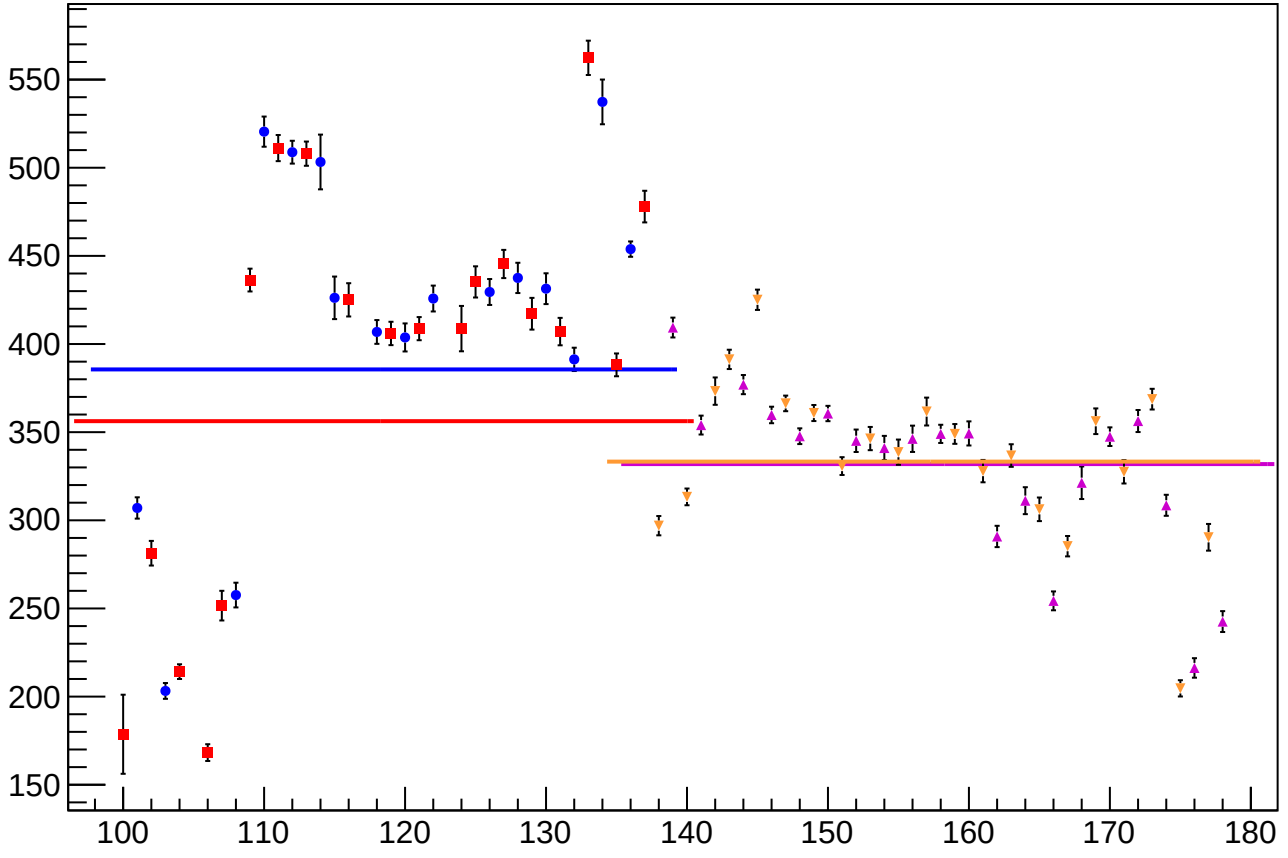
\+ sign -257.465+/-1.007 χ^2/NDF: 2995.0/36

All: -252.840+/-0.704 χ^2/NDF: 6537.1/75

\- sign -248.414+/-0.985 χ^2/NDF: 3500.8/38


reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug
80
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
170
180
Right In: 8.320+/-1.644 χ²/NDF: 157.6/15
Left Out: 7.081+/-0.889 χ²/NDF:548.9/20
Right Out: 10.052+/-1.539 χ²/NDF: 187.4/18
Left In: 4.215+/-0.917 χ²/NDF:445.3/19
+ sign 7.361+/-0.782 χ²/NDF: 707.0/36
All: 6.559+/-0.555 χ²/NDF: 1352.4/75
- sign 5.745+/-0.788 χ²/NDF: 643.3/38

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 385.590+/-1.742 χ^2/NDF: 3373.1/15

Left Out: 333.296+/-1.267 χ^2/NDF:1513.7/20

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

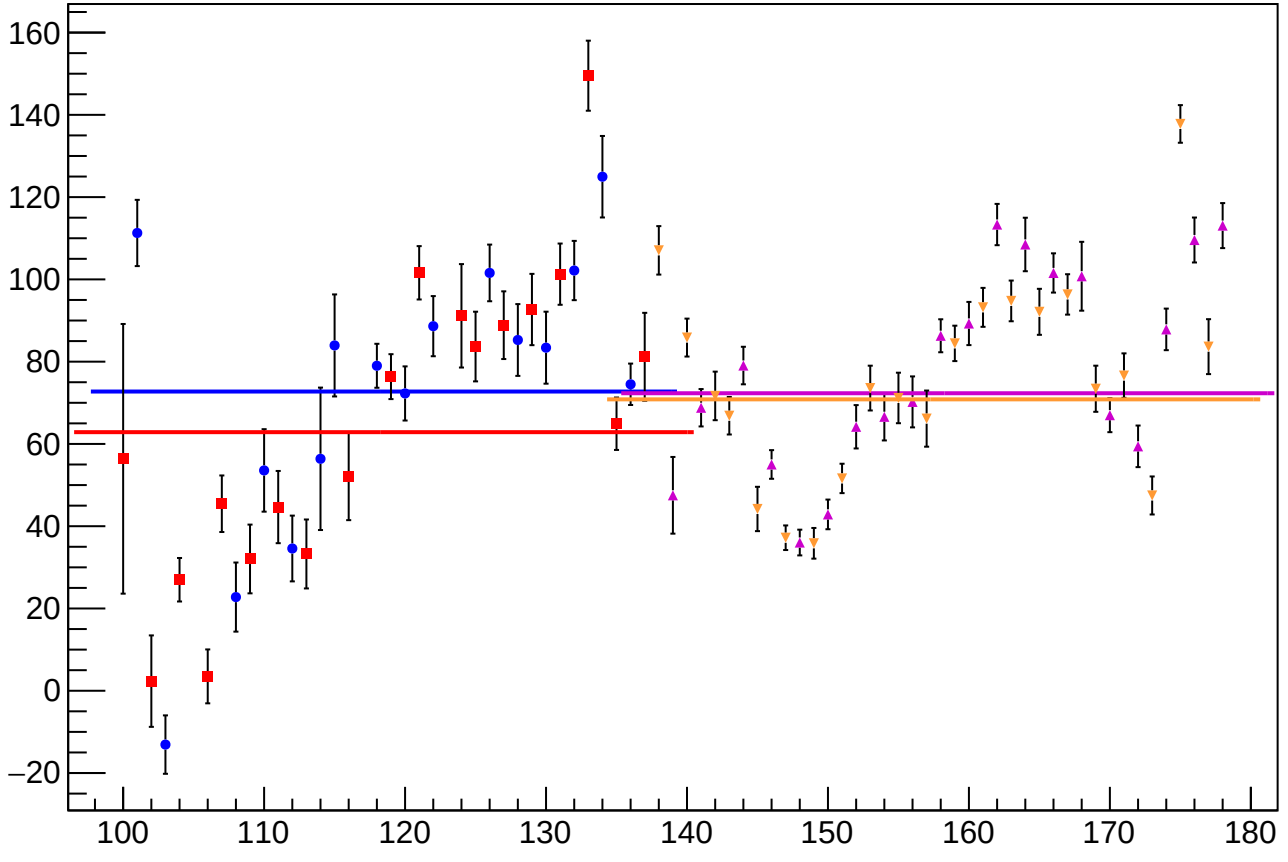
Left In: 331.896+/-1.277 χ^2/NDF:1362.5/19

+ sign 351.379+/-1.025 χ^2/NDF: 5476.2/36

All: 346.131+/-0.719 χ^2/NDF: 12297.2/75

- sign 341.040+/-1.009 χ^2/NDF: 6769.4/38

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug



Right In: 72.740+/-1.897 χ^2/NDF: 304.3/15

Left Out: 70.836+/-1.039 χ^2/NDF:659.9/20

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

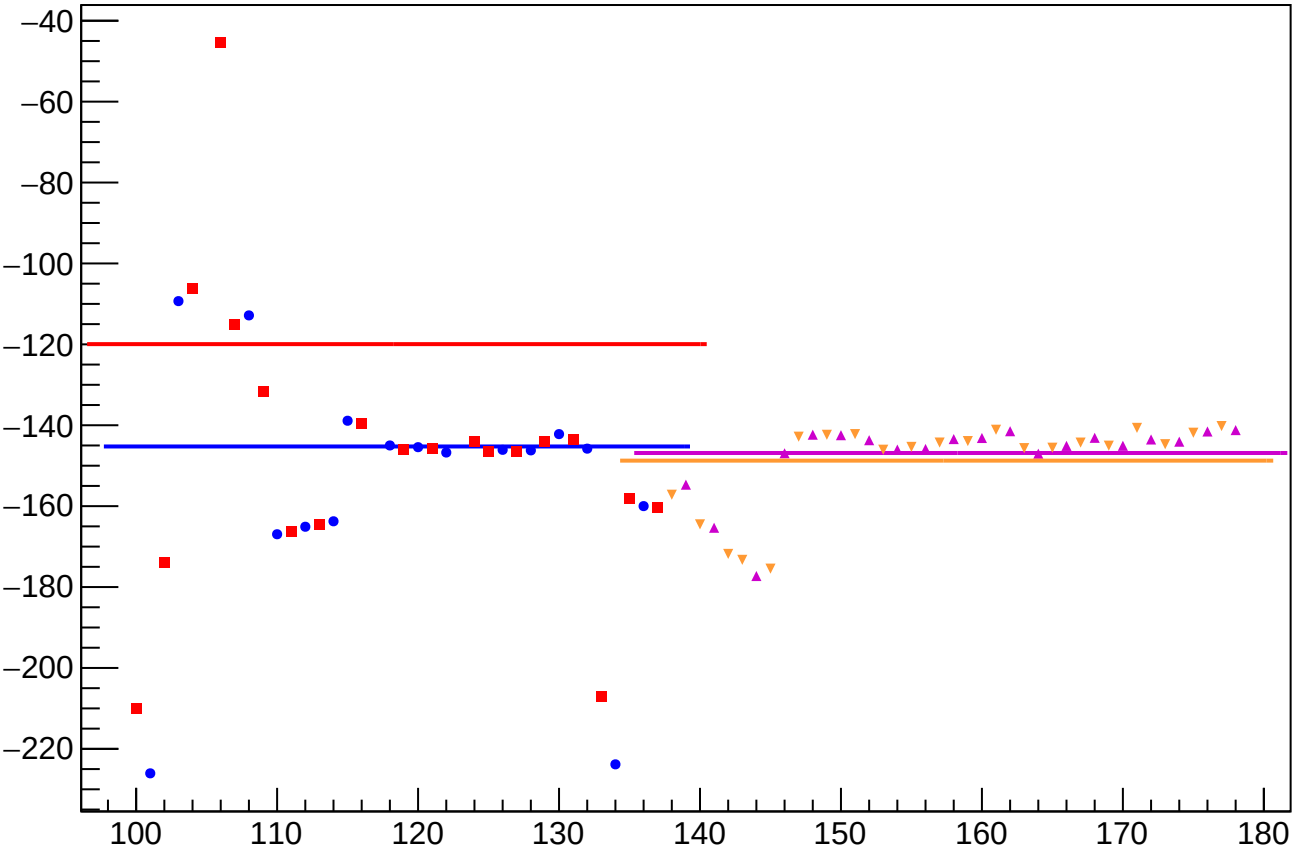
Left In: 72.325+/-1.063 χ^2/NDF:528.4/19

+ sign 71.276+/-0.911 χ^2/NDF: 965.0/36

All: 70.575+/-0.645 χ^2/NDF: 1918.8/75

- sign 69.869+/-0.914 χ^2/NDF: 952.6/38

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -148.747+/-0.049 χ^2/NDF:47654.3/20

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

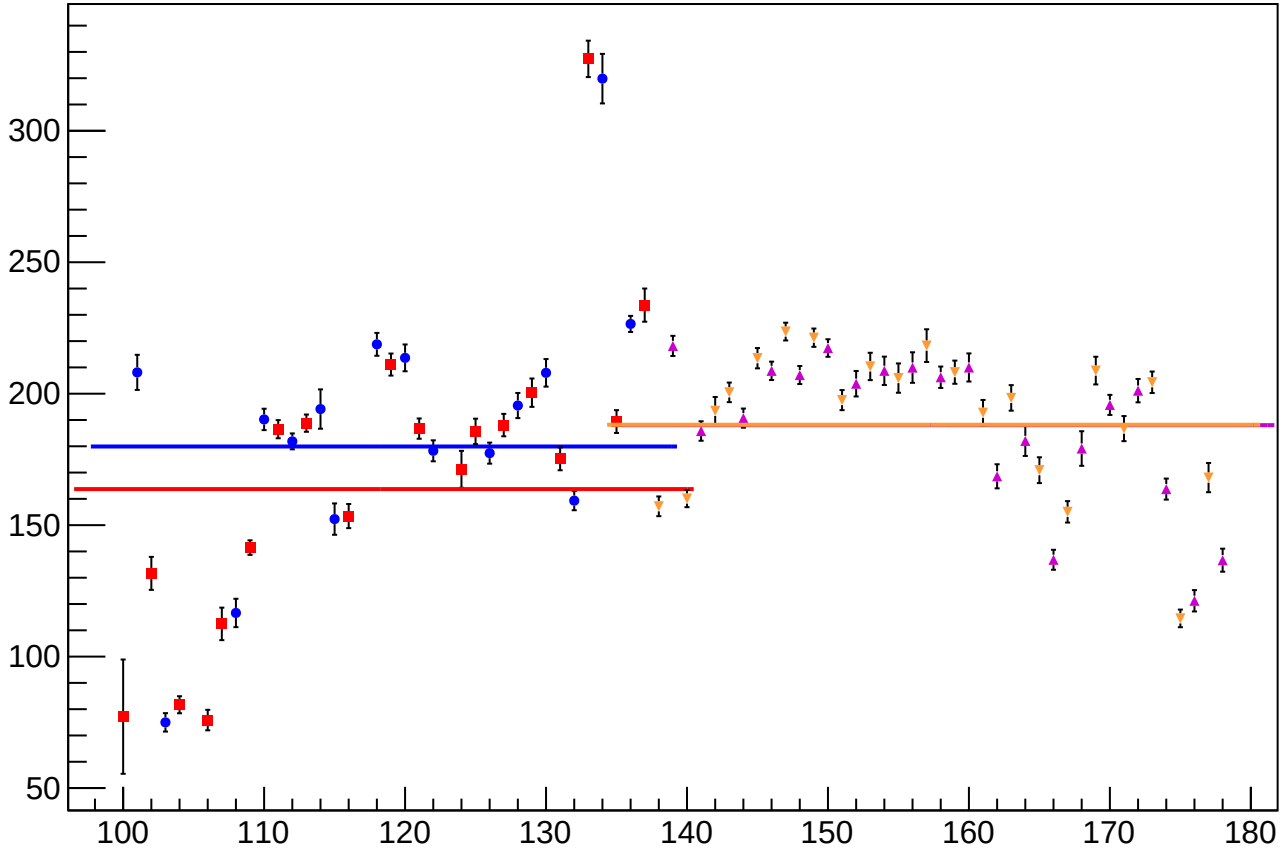
Left In: -146.858+/-0.049 χ^2/NDF:28559.3/19

+ sign -148.052+/-0.044 χ^2/NDF: 180727.4/36

All: -144.261+/-0.031 χ^2/NDF: 564662.0/75

- sign -140.660+/-0.043 χ^2/NDF: 369332.8/38

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 188.197+/-0.924 χ^2/NDF:1084.7/20

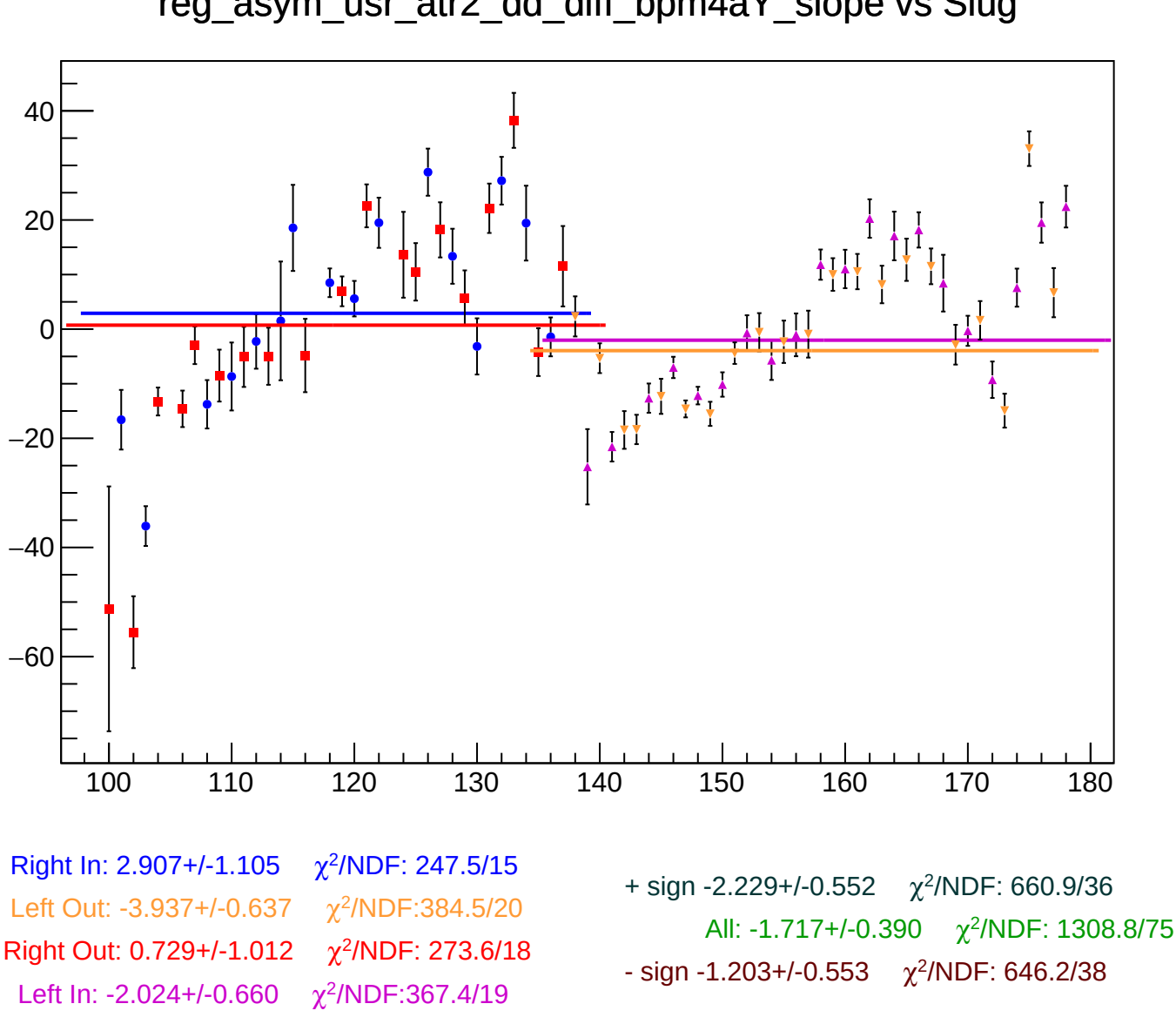
Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

Left In: 188.038+/-0.936 χ^2/NDF:943.7/19

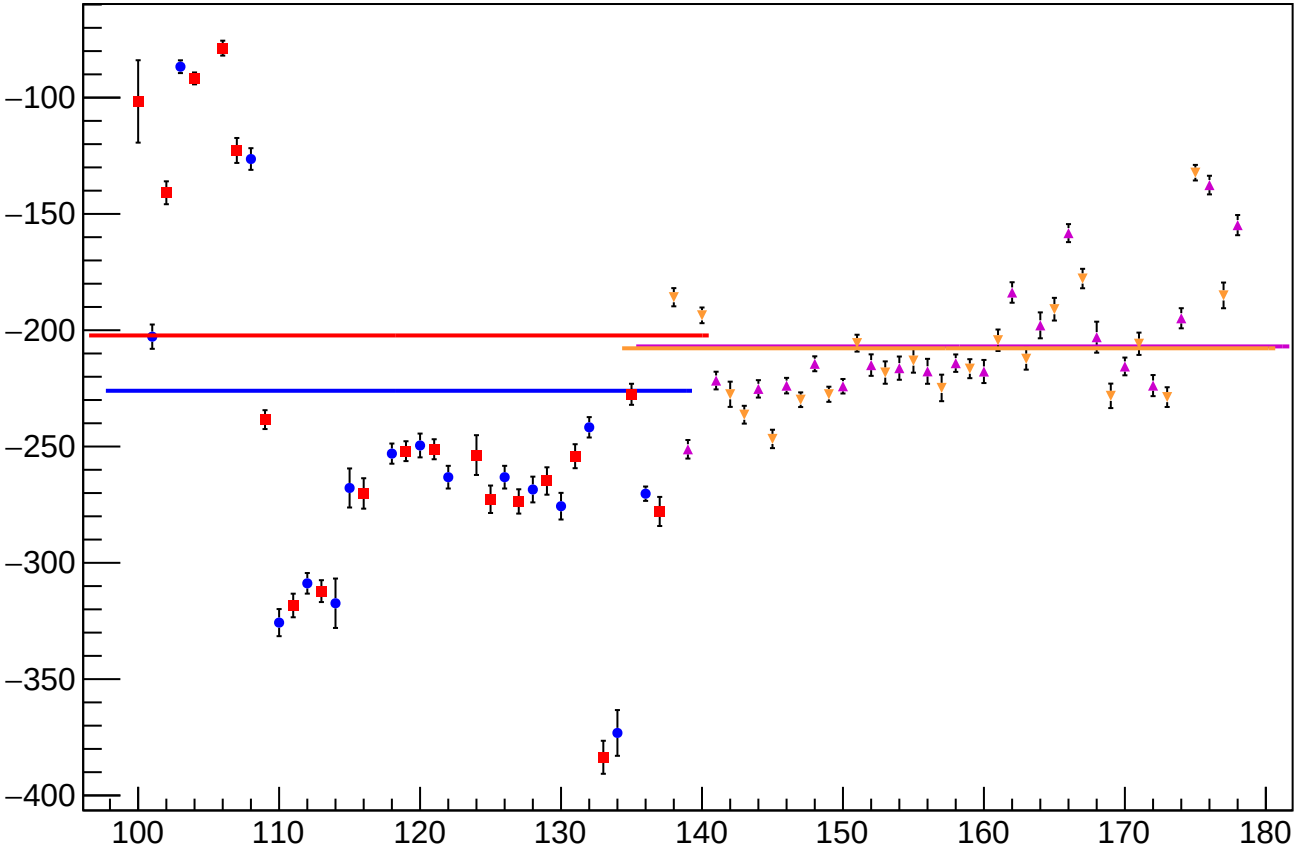
+ sign 184.731+/-0.704 χ^2/NDF: 2851.0/36

All: 180.590+/-0.491 χ^2/NDF: 6593.6/75

- sign 176.688+/-0.684 χ^2/NDF: 3675.4/38


reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
170
180
Right In: 2.907+/-1.105 χ²/NDF: 247.5/15
Left Out: -3.937+/-0.637 χ²/NDF:384.5/20
Right Out: 0.729+/-1.012 χ²/NDF: 273.6/18
Left In: -2.024+/-0.660 χ²/NDF:367.4/19
+ sign -2.229+/-0.552 χ²/NDF: 660.9/36
All: -1.717+/-0.390 χ²/NDF: 1308.8/75
- sign -1.203+/-0.553 χ²/NDF: 646.2/38

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -207.772+/-0.909 χ^2/NDF:951.5/20

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

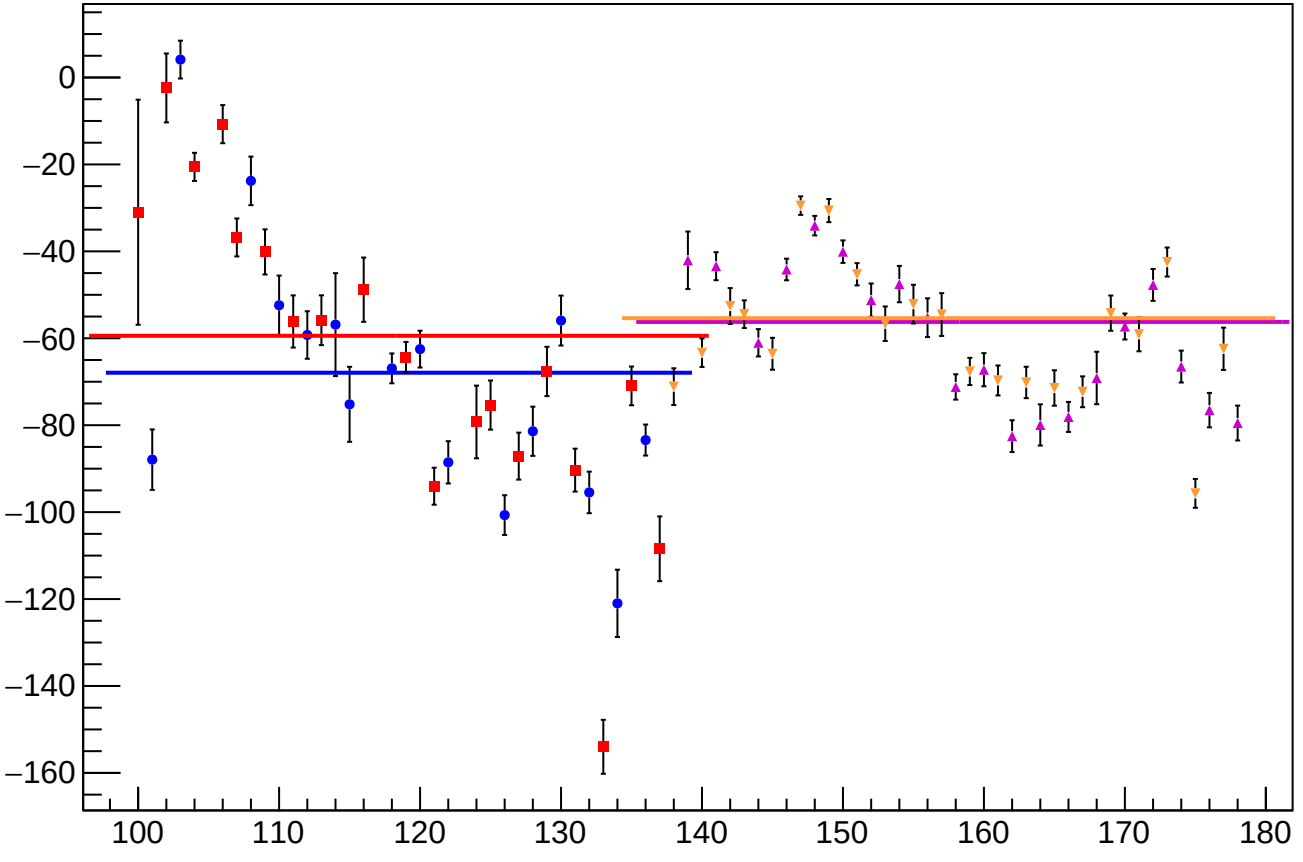
Left In: -206.961+/-0.919 χ^2/NDF:901.3/19

+ sign -214.603+/-0.719 χ^2/NDF: 5641.6/36

All: -209.684+/-0.502 χ^2/NDF: 13336.1/75

- sign -204.997+/-0.702 χ^2/NDF: 7603.1/38

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.927+/-1.278 χ^2/NDF: 534.0/15

Left Out: -55.380+/-0.745 χ^2/NDF:529.2/20

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

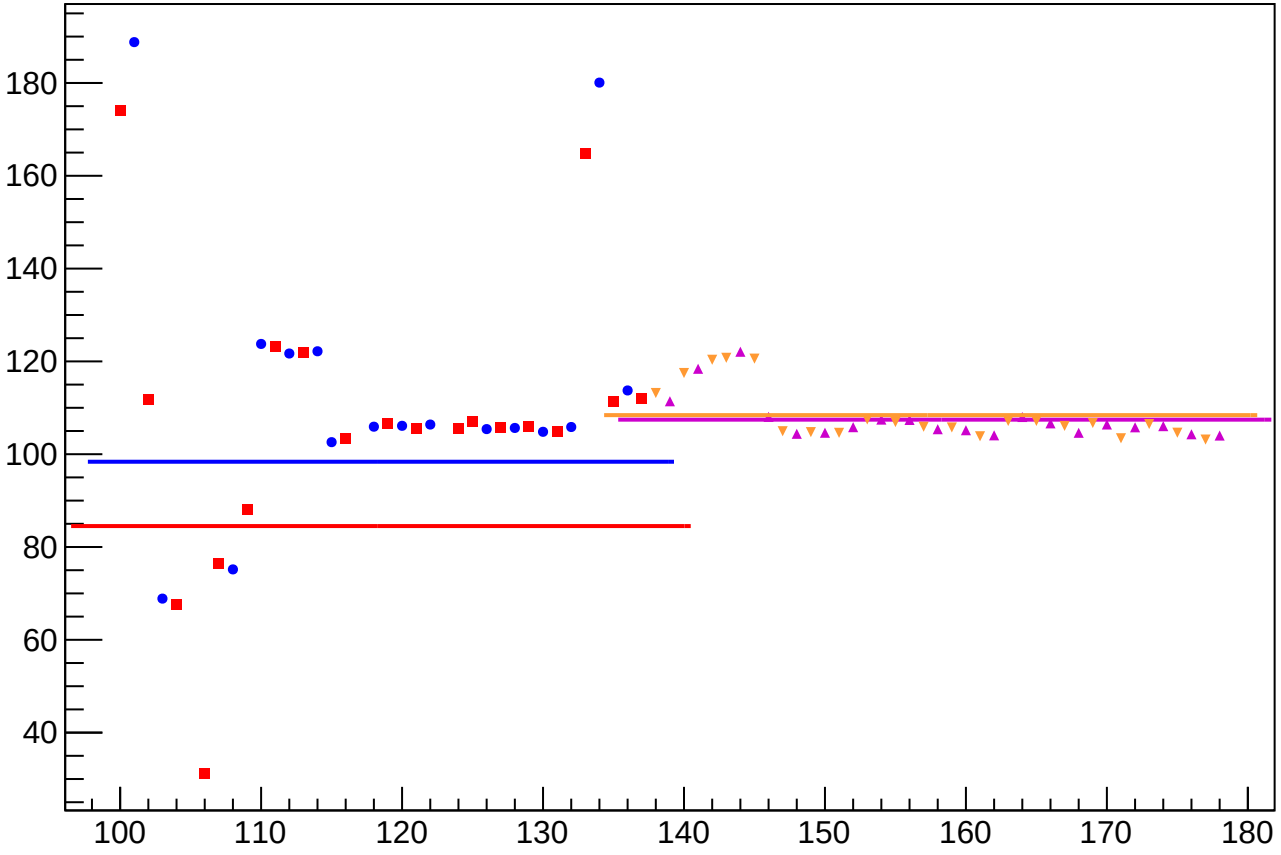
Left In: -56.236+/-0.765 χ^2/NDF:418.0/19

+ sign -58.563+/-0.644 χ^2/NDF: 1135.2/36

All: -57.868+/-0.455 χ^2/NDF: 2355.5/75

- sign -57.176+/-0.642 χ^2/NDF: 1218.0/38

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 98.377+/-0.066 χ^2/NDF: 228419.7/15

Left Out: 108.421+/-0.035 χ^2/NDF:25720.6/20

Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

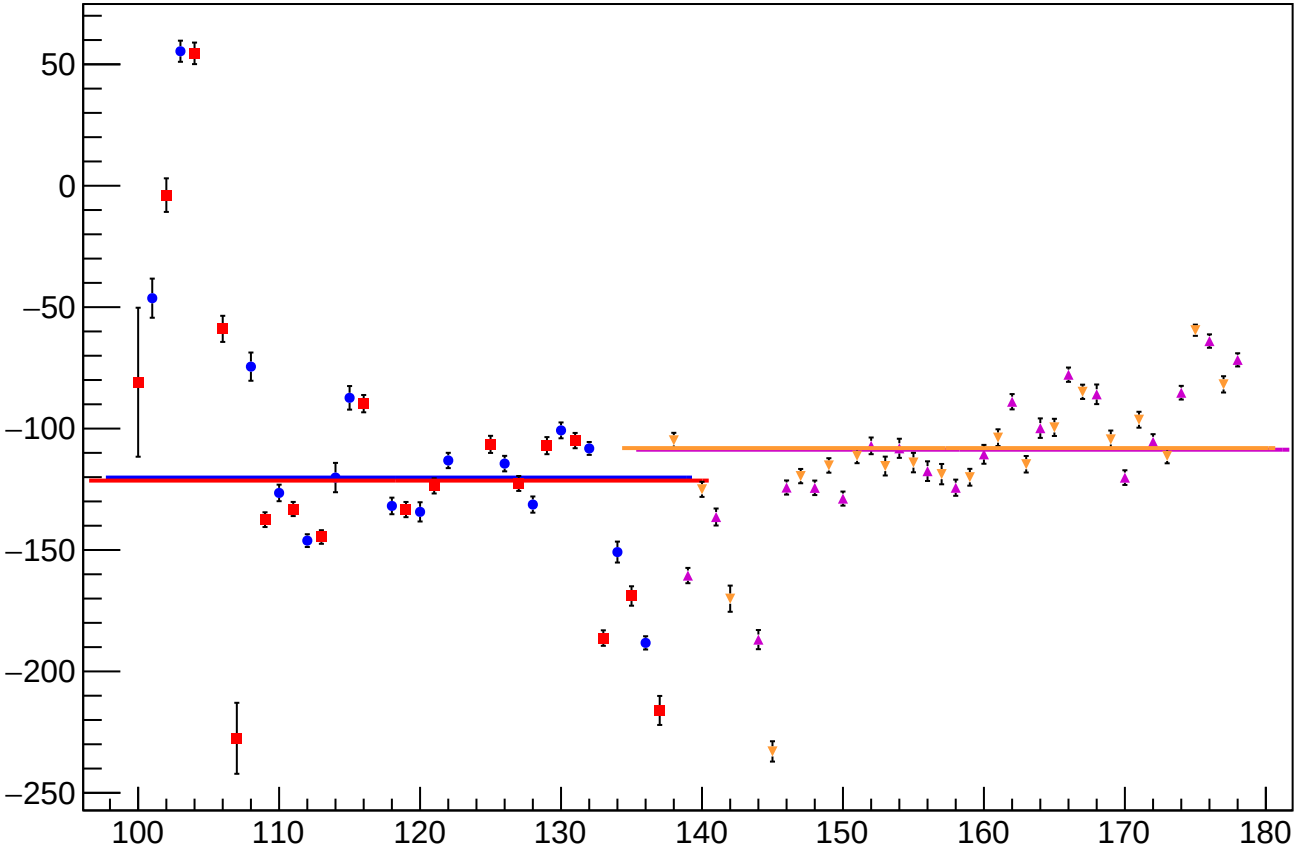
Left In: 107.444+/-0.035 χ^2/NDF:16476.8/19

+ sign 106.203+/-0.031 χ^2/NDF: 272164.1/36

All: 103.901+/-0.022 χ^2/NDF: 675544.6/75

- sign 101.701+/-0.030 χ^2/NDF: 392616.4/38

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -120.177+/-0.891 χ^2/NDF: 2691.2/15

Left Out: -108.037+/-0.741 χ^2/NDF:1692.1/19

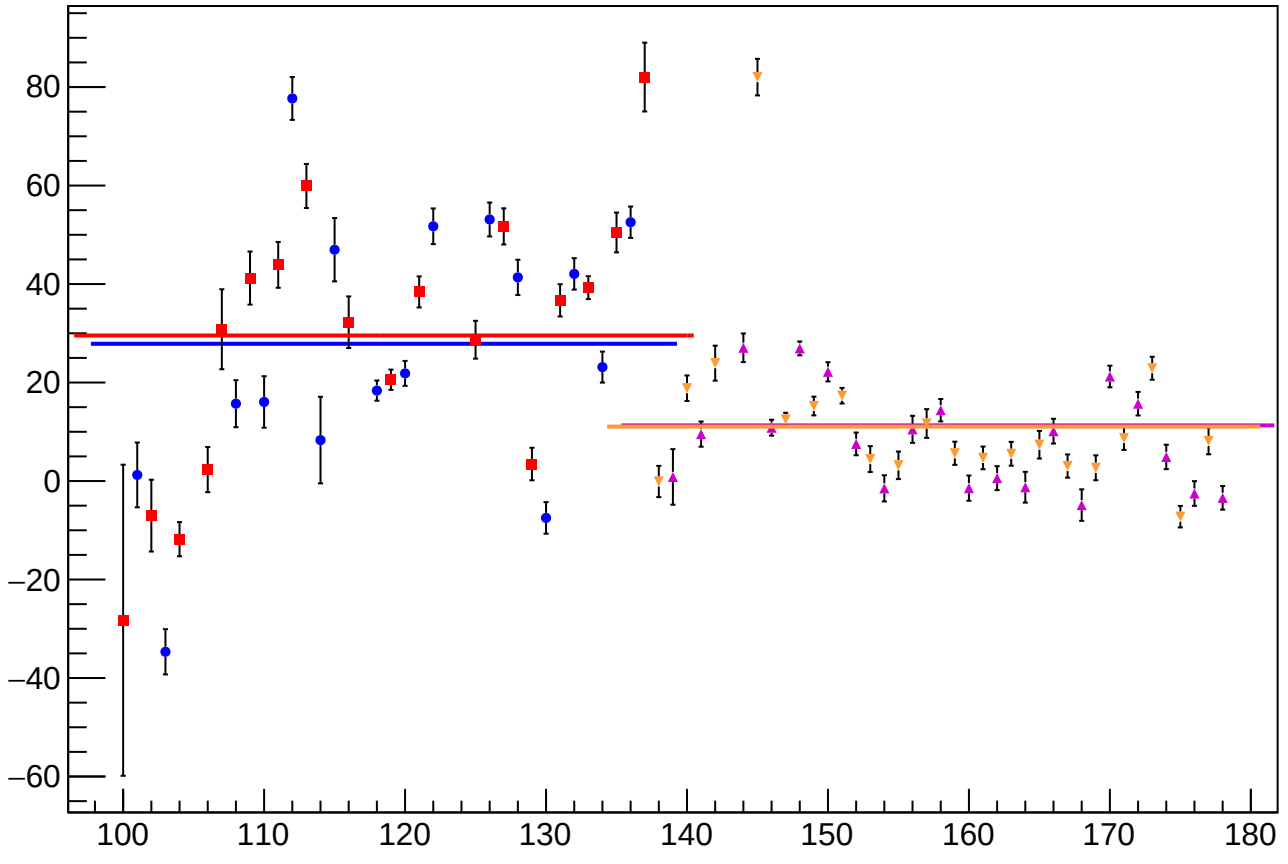
Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

Left In: -108.702+/-0.725 χ^2/NDF:1575.3/19

+ sign -113.004+/-0.570 χ^2/NDF: 4493.1/35

All: -113.449+/-0.399 χ^2/NDF: 9321.1/73

- sign -113.877+/-0.558 χ^2/NDF: 4826.8/37



Right In: 27.872+/-0.888 χ^2/NDF: 699.6/15

Left Out: 11.055+/-0.519 χ^2/NDF:575.6/19

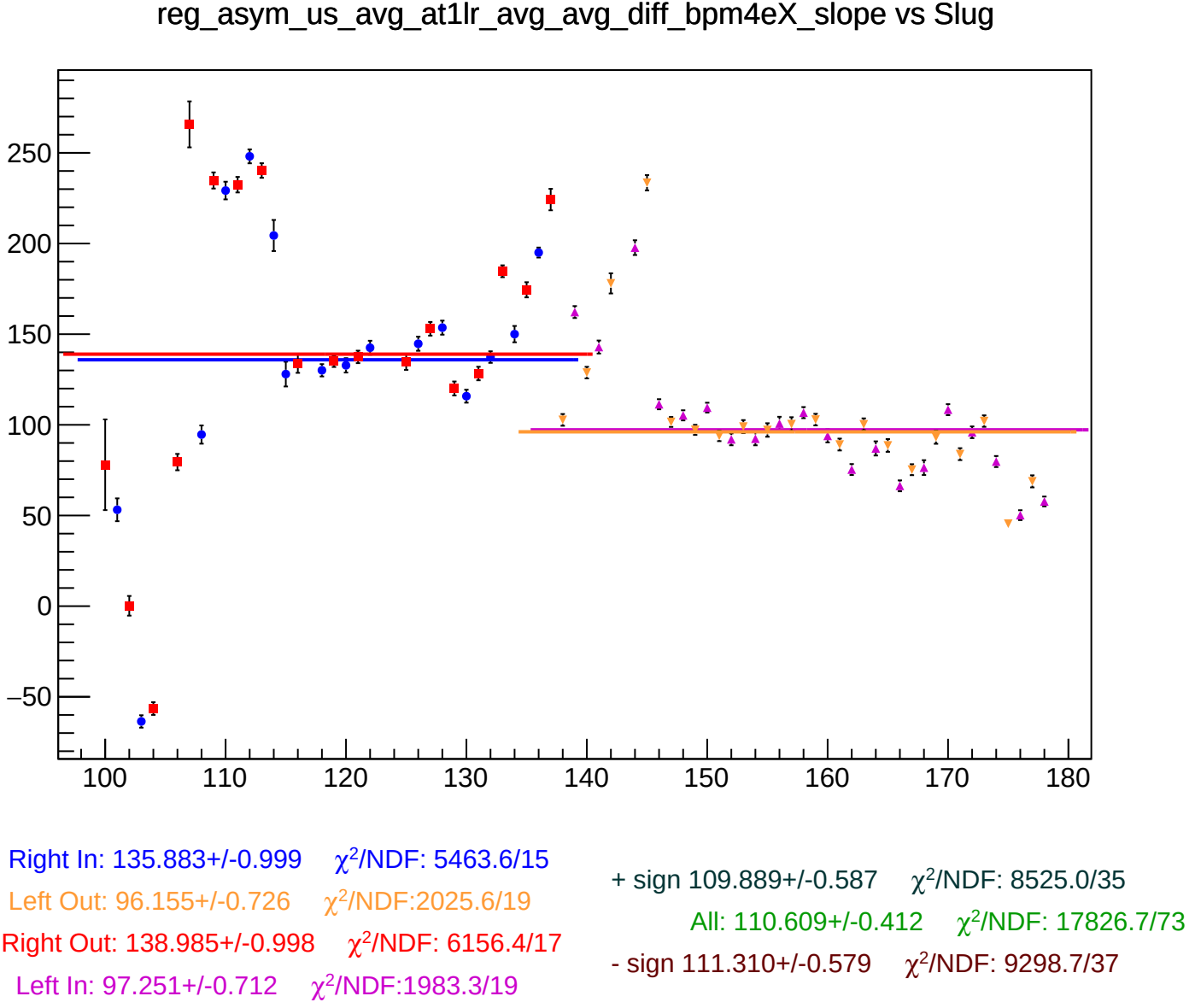
Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

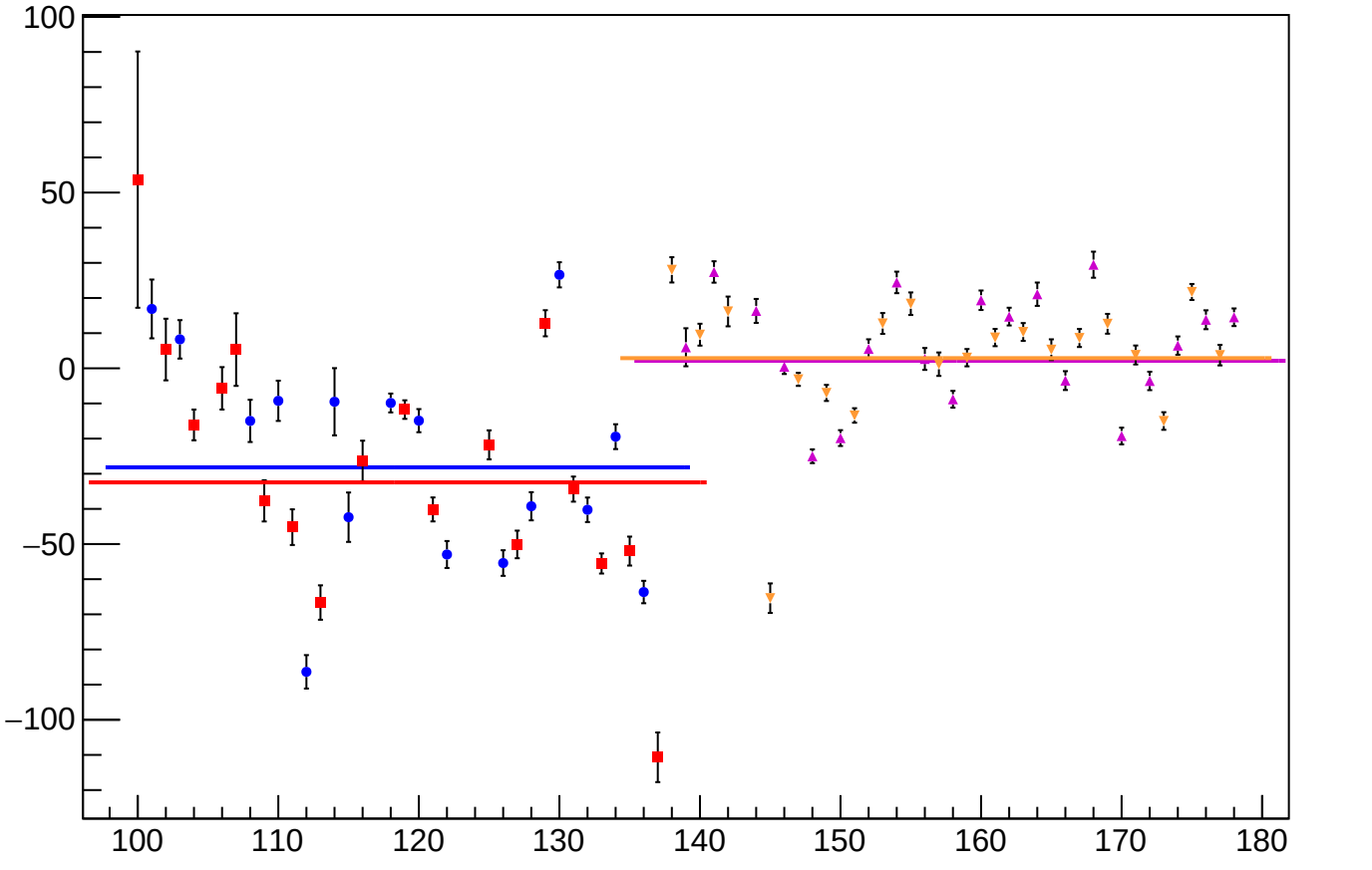
Left In: 11.298+/-0.522 χ^2/NDF:400.4/19

\+ sign 15.338+/-0.448 χ^2/NDF: 1542.4/35

All: 15.656+/-0.318 χ^2/NDF: 2754.5/73

\- sign 15.978+/-0.450 χ^2/NDF: 1211.0/37


reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs Slug
250
200
150
100
50
0
−50
100
110
120
130
140
150
160
170
180
Right In: 135.883+/-0.999 χ²/NDF: 5463.6/15
Left Out: 96.155+/-0.726 χ²/NDF:2025.6/19
Right Out: 138.985+/-0.998 χ²/NDF: 6156.4/17
Left In: 97.251+/-0.712 χ²/NDF:1983.3/19
+ sign 109.889+/-0.587 χ²/NDF: 8525.0/35
All: 110.609+/-0.412 χ²/NDF: 17826.7/73
- sign 111.310+/-0.579 χ²/NDF: 9298.7/37



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: 2.890+/-0.598 χ^2/NDF:605.0/19

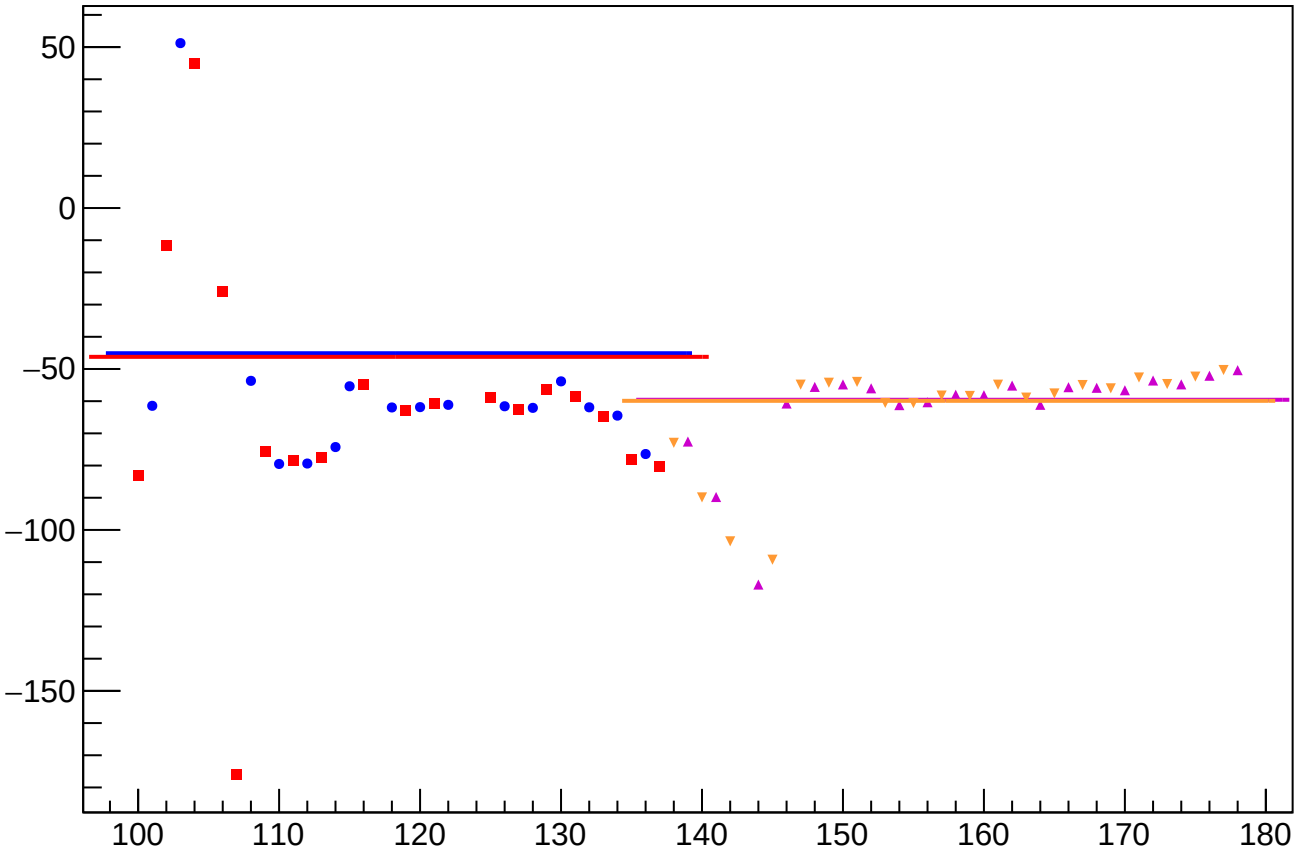
Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: 2.131+/-0.598 χ^2/NDF:736.7/19

+ sign -5.038+/-0.516 χ^2/NDF: 2084.0/35

All: -5.830+/-0.365 χ^2/NDF: 4253.0/73

- sign -6.622+/-0.517 χ^2/NDF: 2164.2/37



Right In: -45.106+/-0.060 χ^2/NDF: 575184.2/15

Left Out: -59.893+/-0.028 χ^2/NDF:209079.2/19

Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

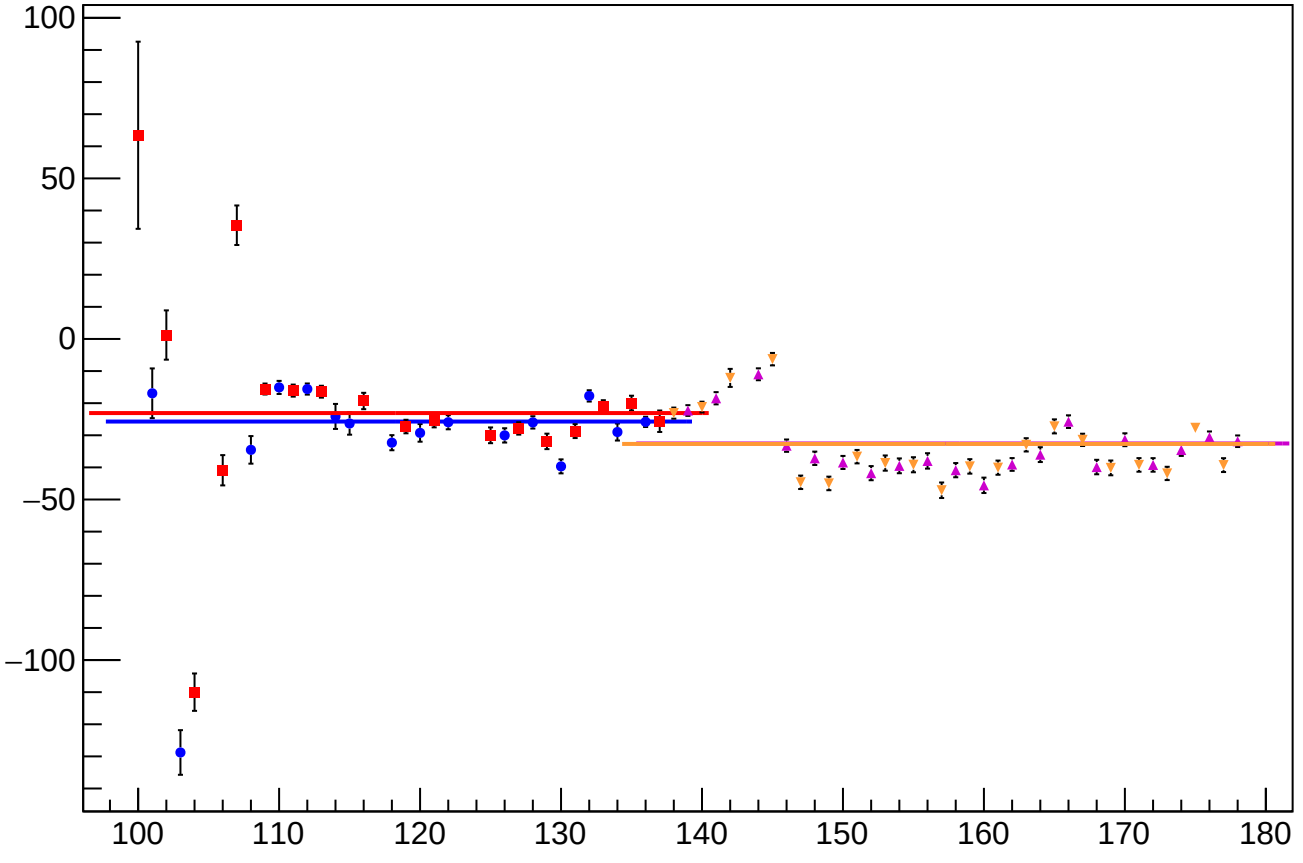
Left In: -59.565+/-0.027 χ^2/NDF:177295.3/19

\+ sign -57.334+/-0.025 χ^2/NDF: 834265.8/35

All: -57.413+/-0.018 χ^2/NDF: 1543536.2/73

\- sign -57.490+/-0.025 χ^2/NDF: 709250.7/37

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: -32.691+/-0.462 χ^2/NDF:522.5/19

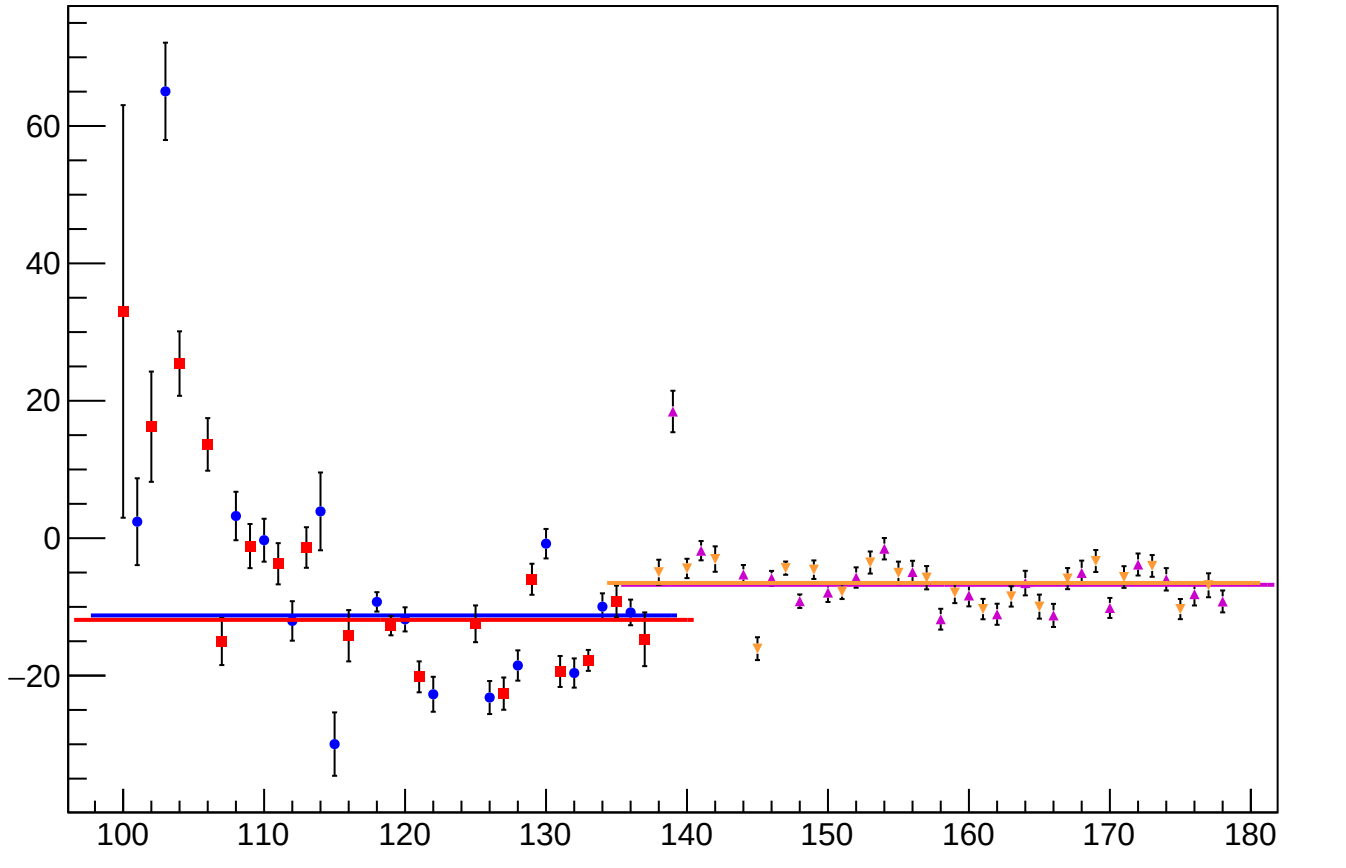
Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -32.552+/-0.453 χ^2/NDF:363.9/19

+ sign -30.043+/-0.364 χ^2/NDF: 971.9/35

All: -29.501+/-0.255 χ^2/NDF: 1942.4/73

- sign -28.979+/-0.357 χ^2/NDF: 966.1/37



Right In: -11.246+/-0.600 χ^2/NDF: 271.1/15

Left Out: -6.516+/-0.332 χ^2/NDF:79.0/19

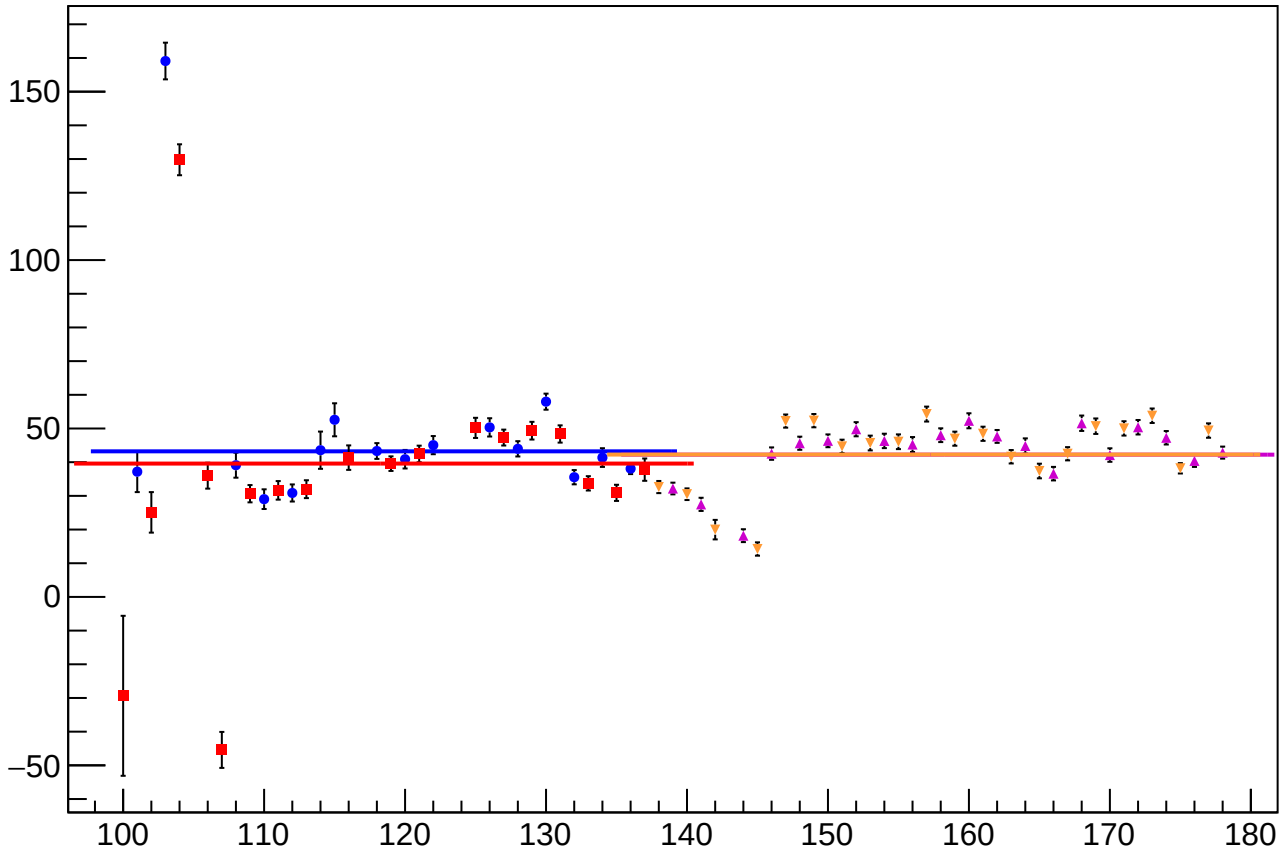
Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: -6.787+/-0.333 χ^2/NDF:143.6/19

\+ sign -7.623+/-0.290 χ^2/NDF: 397.7/35

All: -7.794+/-0.206 χ^2/NDF: 820.8/73

\- sign -7.967+/-0.292 χ^2/NDF: 422.4/37



Right In: 43.222+/-0.678 χ^2/NDF: 576.0/15

Left Out: 42.265+/-0.454 χ^2/NDF:515.0/19

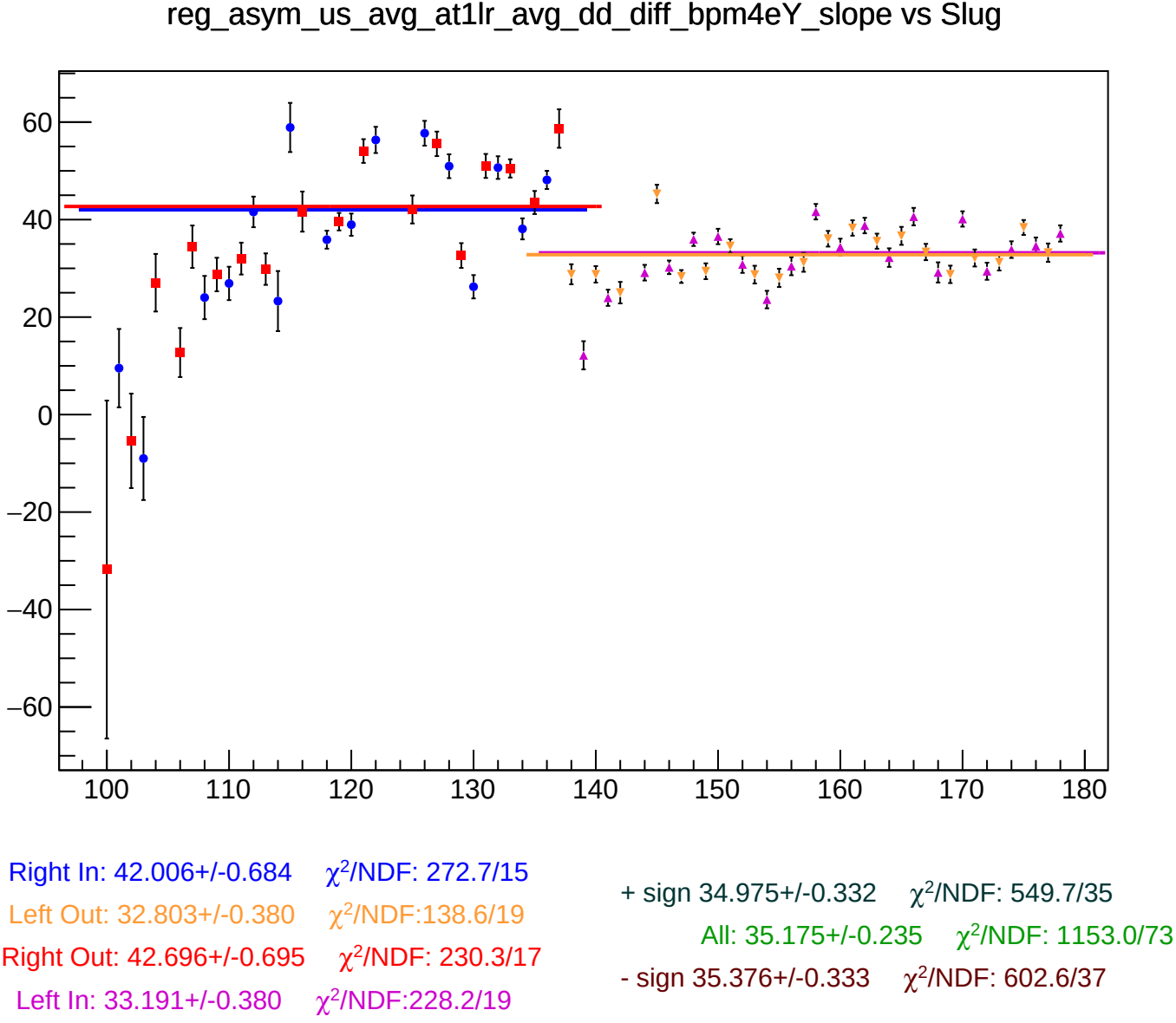
Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

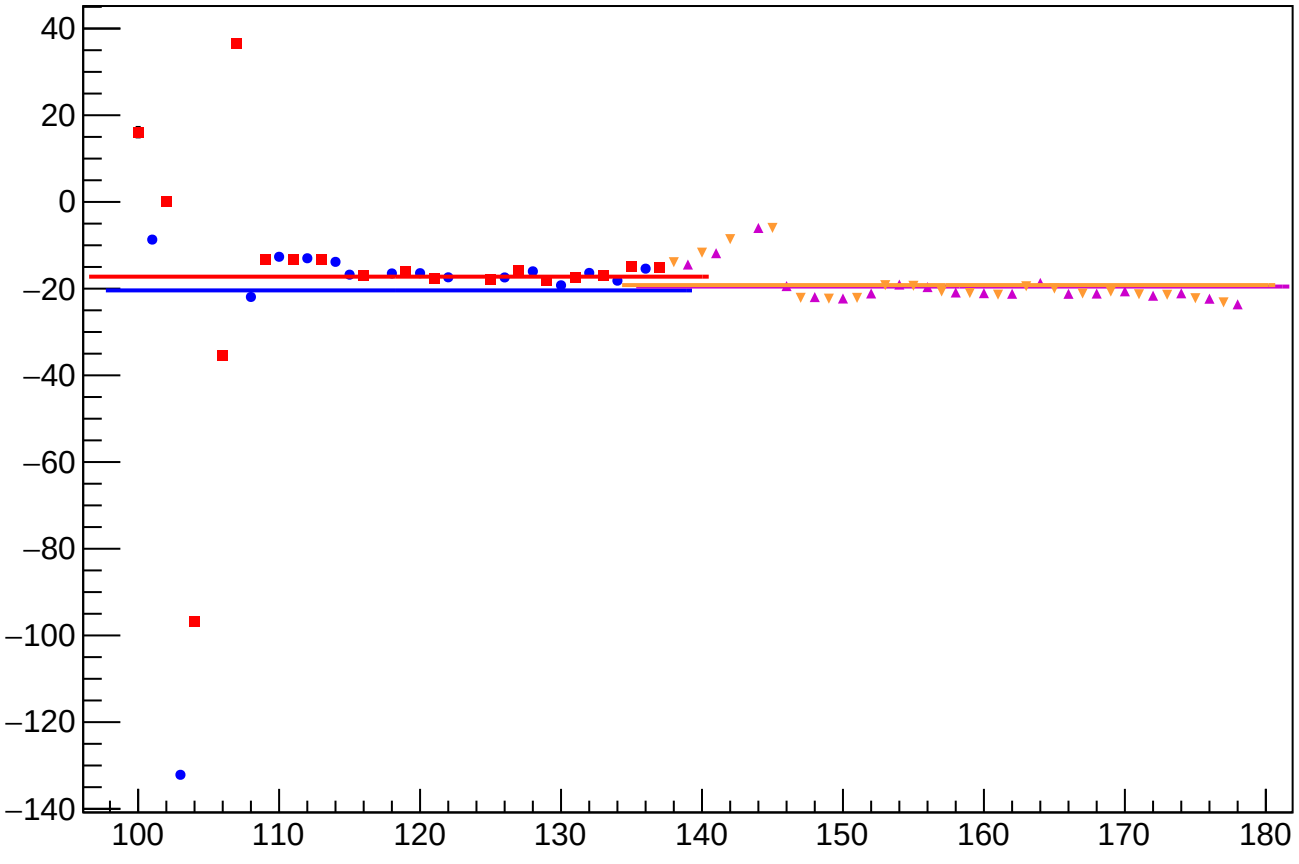
Left In: 42.232+/-0.446 χ^2/NDF:358.3/19

\+ sign 42.561+/-0.377 χ^2/NDF: 1092.4/35

All: 41.997+/-0.265 χ^2/NDF: 2219.6/73

\- sign 41.445+/-0.374 χ^2/NDF: 1122.7/37


reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
170
180
Right In: 42.006+/-0.684 χ²/NDF: 272.7/15
Left Out: 32.803+/-0.380 χ²/NDF:138.6/19
Right Out: 42.696+/-0.695 χ²/NDF: 230.3/17
Left In: 33.191+/-0.380 χ²/NDF:228.2/19
+ sign 34.975+/-0.332 χ²/NDF: 549.7/35
All: 35.175+/-0.235 χ²/NDF: 1153.0/73
- sign 35.376+/-0.333 χ²/NDF: 602.6/37



Right In: -20.405+/-0.042 χ^2/NDF: 245611.9/15

Left Out: -19.182+/-0.017 χ^2/NDF:64896.1/19

Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

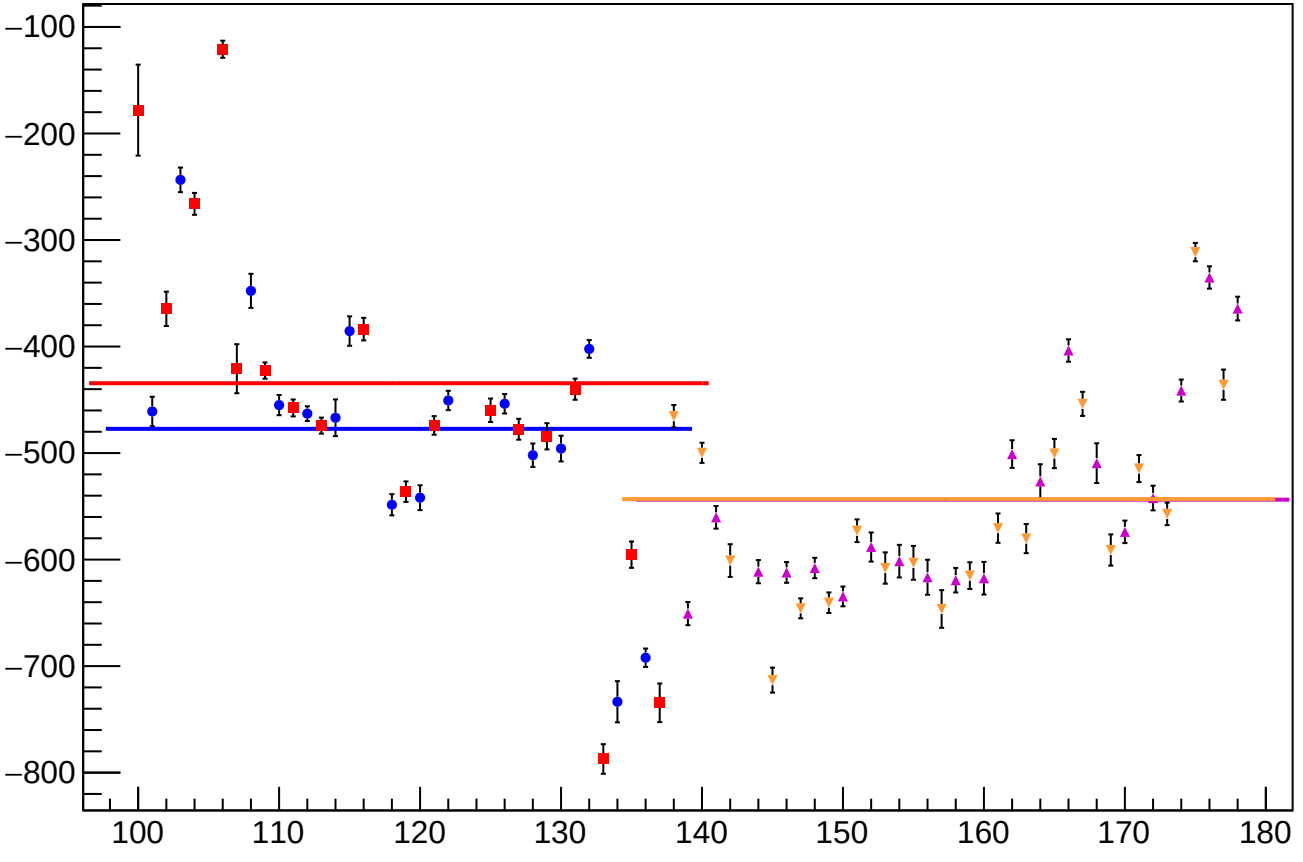
Left In: -19.521+/-0.017 χ^2/NDF:51605.6/19

+ sign -19.357+/-0.016 χ^2/NDF: 311237.8/35

All: -19.294+/-0.011 χ^2/NDF: 569877.9/73

- sign -19.232+/-0.016 χ^2/NDF: 258608.6/37

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: -543.252+/-2.645 χ^2/NDF:1516.4/19

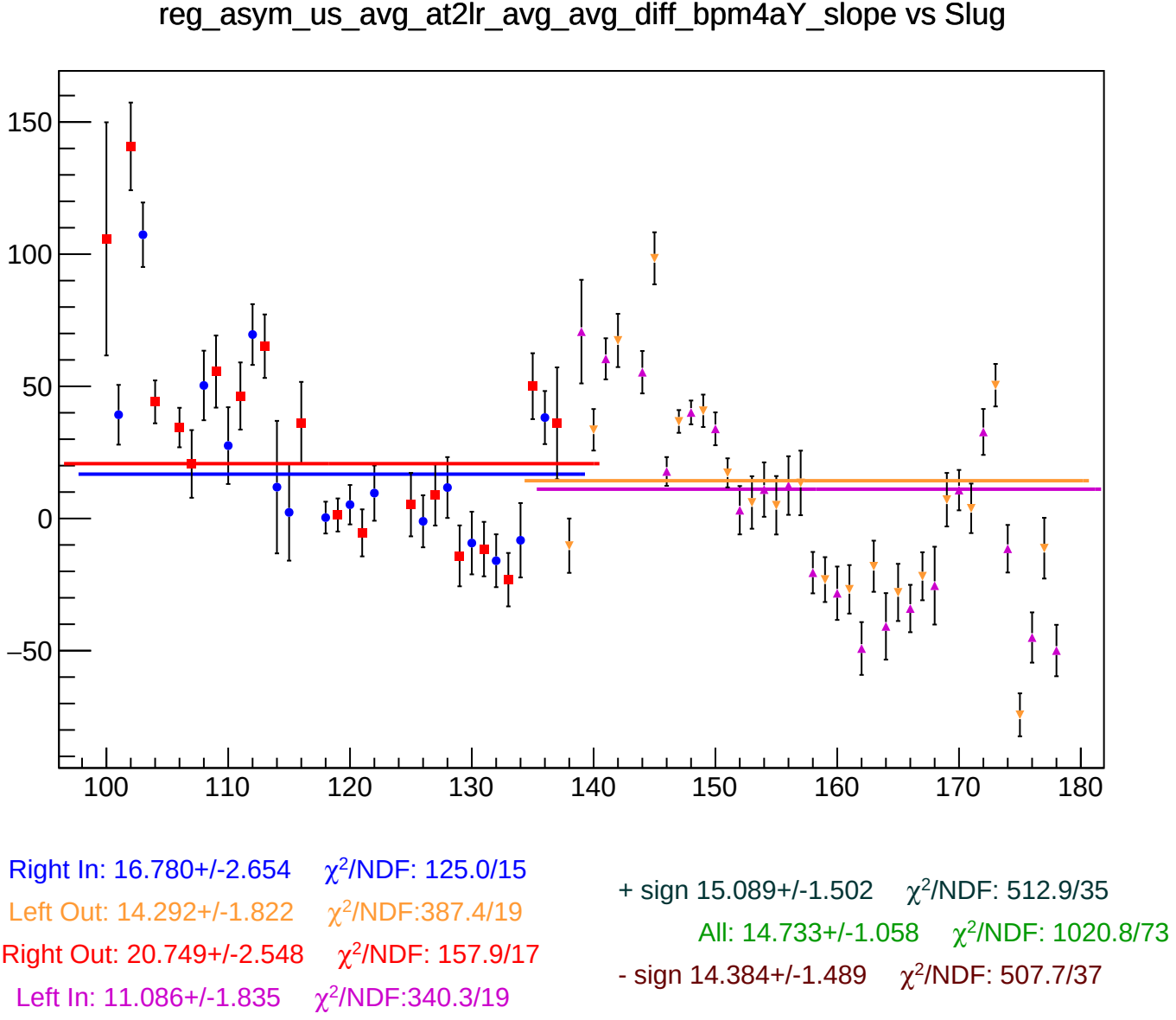
Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

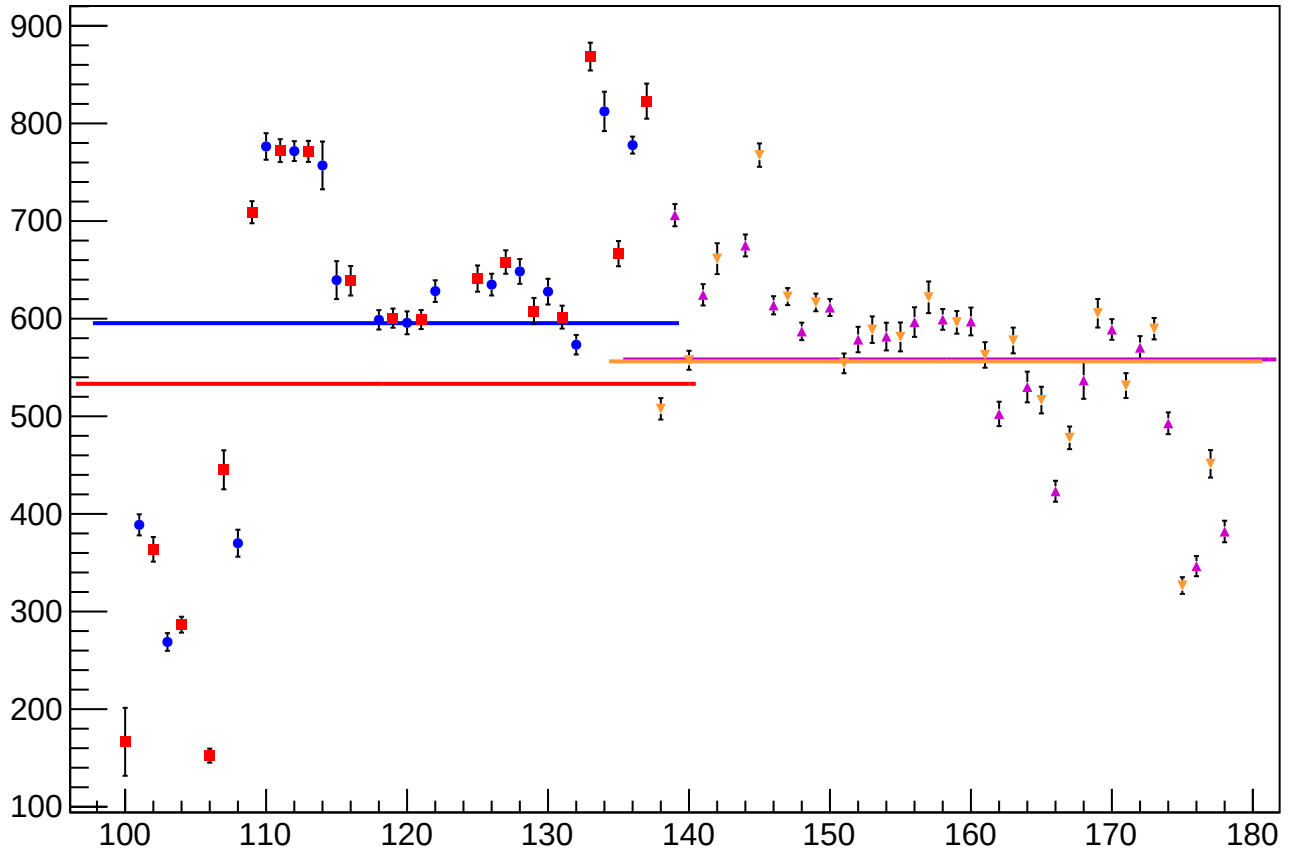
Left In: -543.747+/-2.595 χ^2/NDF:1392.1/19

+ sign -510.103+/-1.866 χ^2/NDF: 3339.9/35

All: -497.666+/-1.291 χ^2/NDF: 8912.3/73

- sign -486.264+/-1.787 χ^2/NDF: 5487.2/37


reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug
150
100
50
0
−50
100
110
120
130
140
150
160
170
180
Right In: 16.780+/-2.654 χ²/NDF: 125.0/15
Left Out: 14.292+/-1.822 χ²/NDF:387.4/19
Right Out: 20.749+/-2.548 χ²/NDF: 157.9/17
Left In: 11.086+/-1.835 χ²/NDF:340.3/19
+ sign 15.089+/-1.502 χ²/NDF: 512.9/35
All: 14.733+/-1.058 χ²/NDF: 1020.8/73
- sign 14.384+/-1.489 χ²/NDF: 507.7/37



Right In: 595.406+/-2.930 χ^2/NDF: 3059.7/15

Left Out: 556.257+/-2.595 χ^2/NDF:1370.6/19

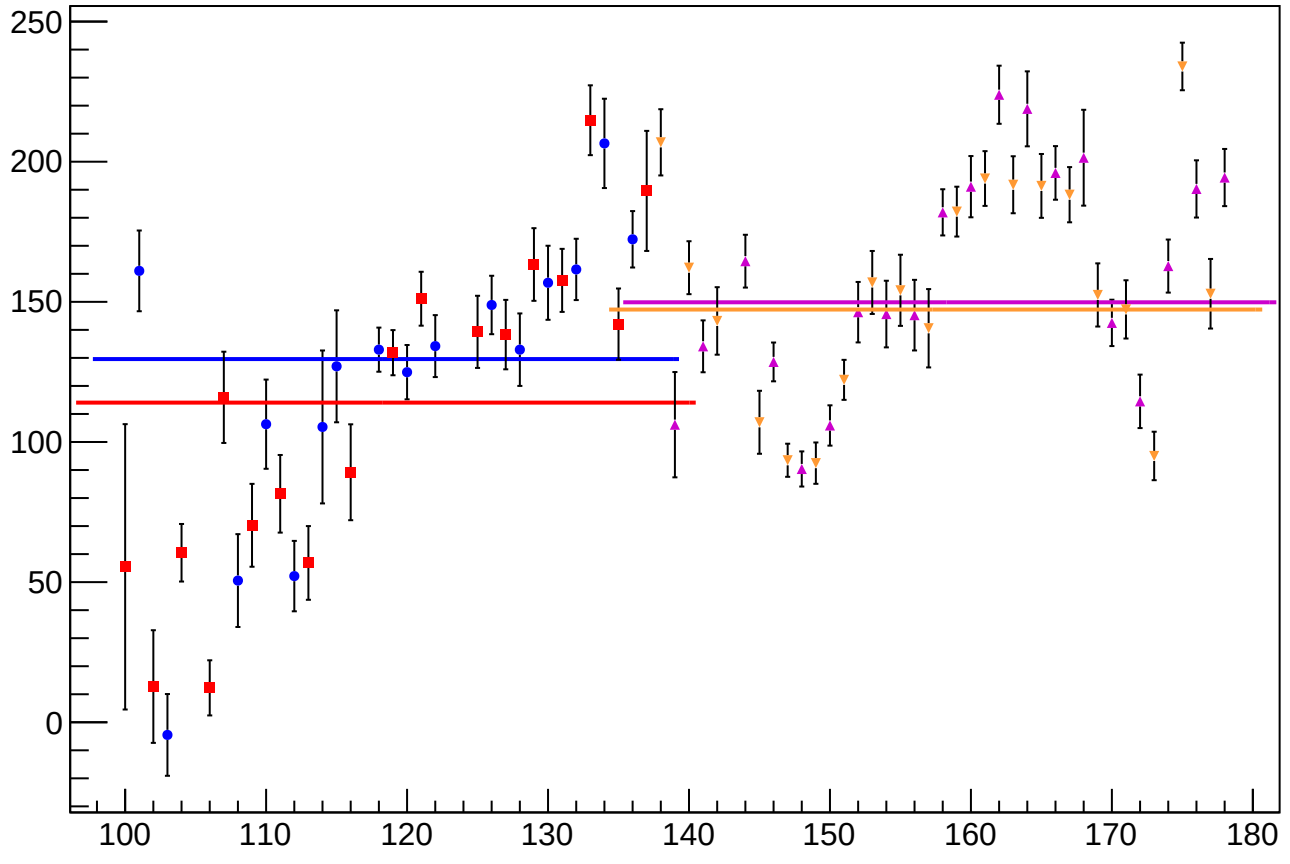
Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 558.260+/-2.548 χ^2/NDF:1331.3/19

+ sign 573.472+/-1.943 χ^2/NDF: 4530.4/35

All: 559.562+/-1.346 χ^2/NDF: 12507.7/73

- sign 546.705+/-1.868 χ^2/NDF: 7878.7/37



Right In: 129.586+/-3.081 χ^2/NDF: 211.2/15

Left Out: 147.254+/-2.128 χ^2/NDF:423.8/19

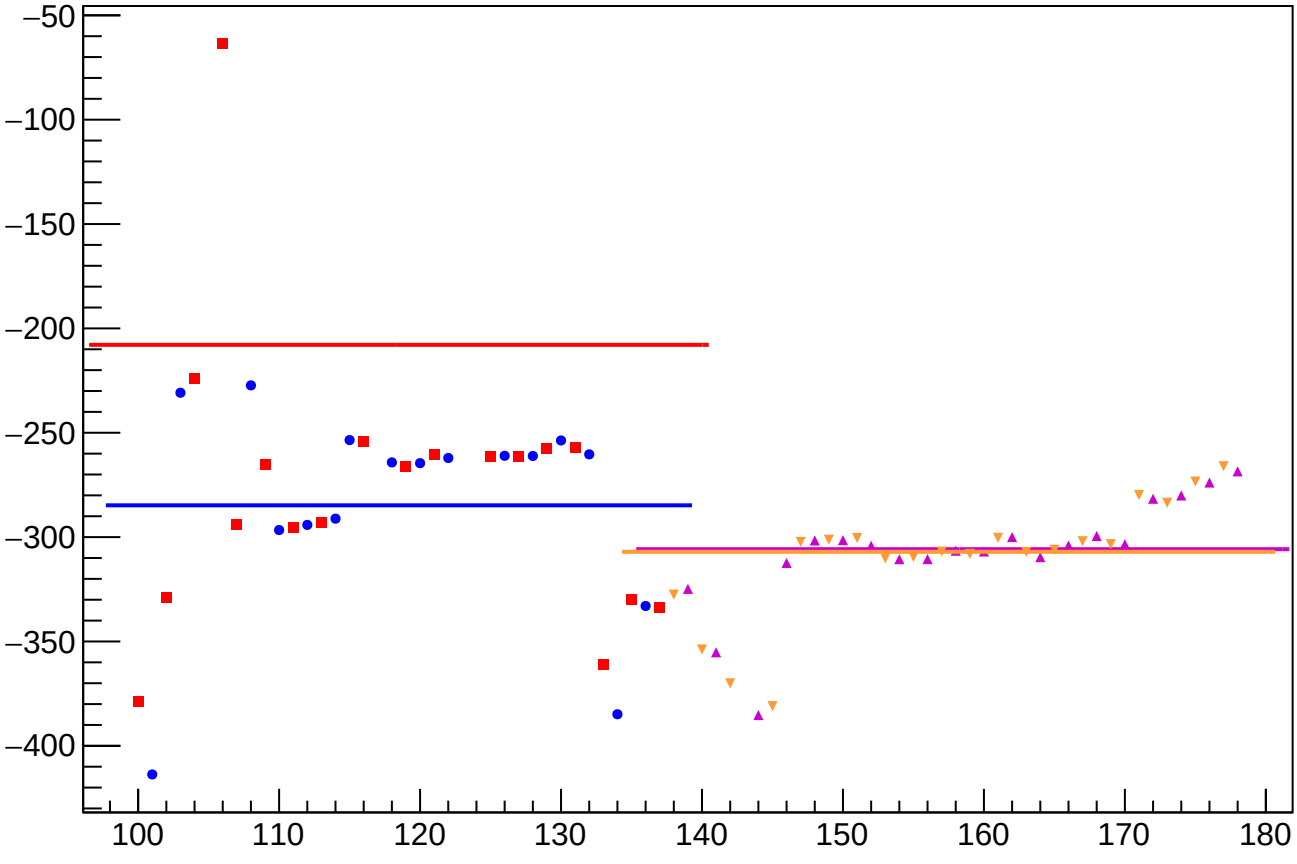
Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 149.841+/-2.124 χ^2/NDF:338.4/19

+ sign 141.546+/-1.751 χ^2/NDF: 657.3/35

All: 139.631+/-1.230 χ^2/NDF: 1429.8/73

- sign 137.765+/-1.729 χ^2/NDF: 770.2/37



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -307.039+/-0.100 χ^2/NDF:69805.5/19

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

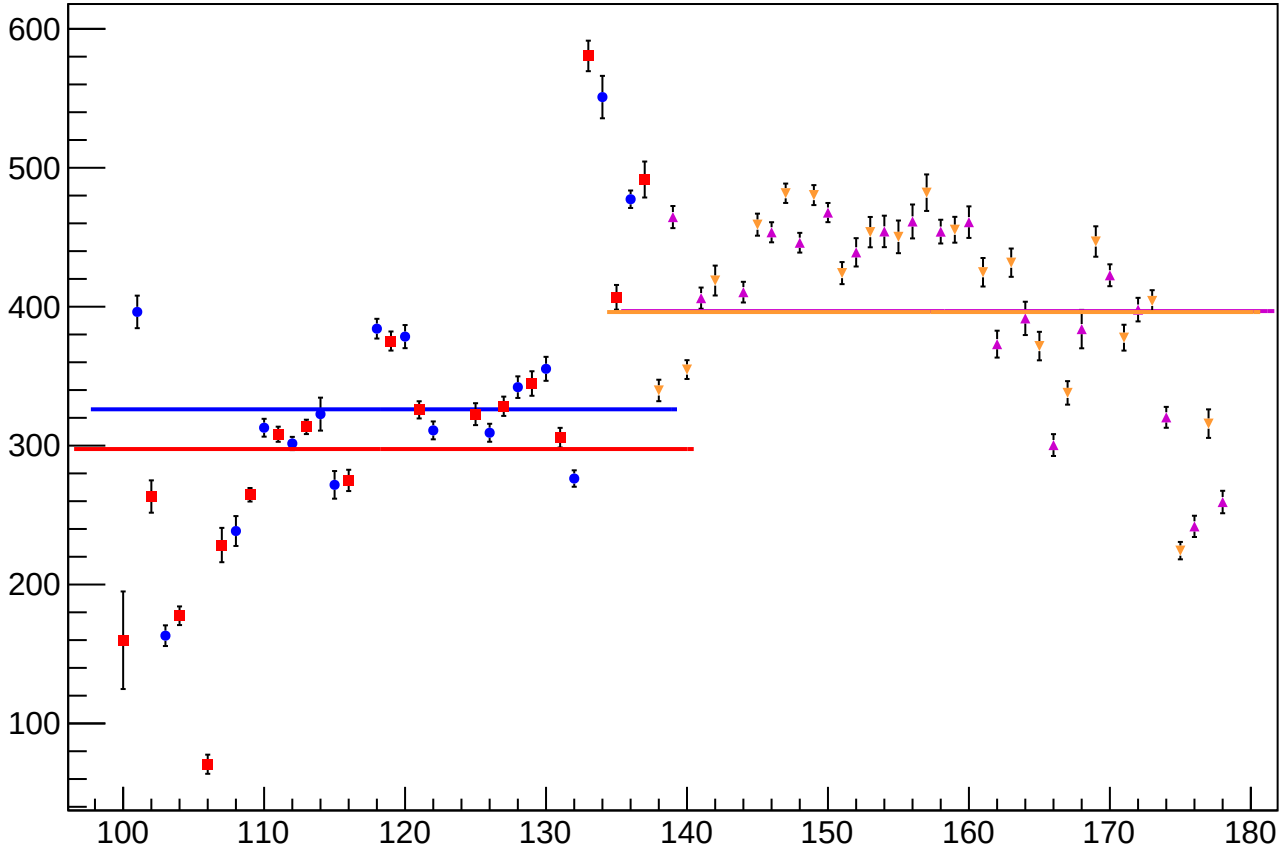
Left In: -305.785+/-0.097 χ^2/NDF:59374.1/19

+ sign -301.669+/-0.087 χ^2/NDF: 186119.0/35

All: -288.220+/-0.060 χ^2/NDF: 1130007.3/73

- sign -276.492+/-0.081 χ^2/NDF: 899340.5/37

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: 396.154+/-1.939 χ^2/NDF:1504.1/19

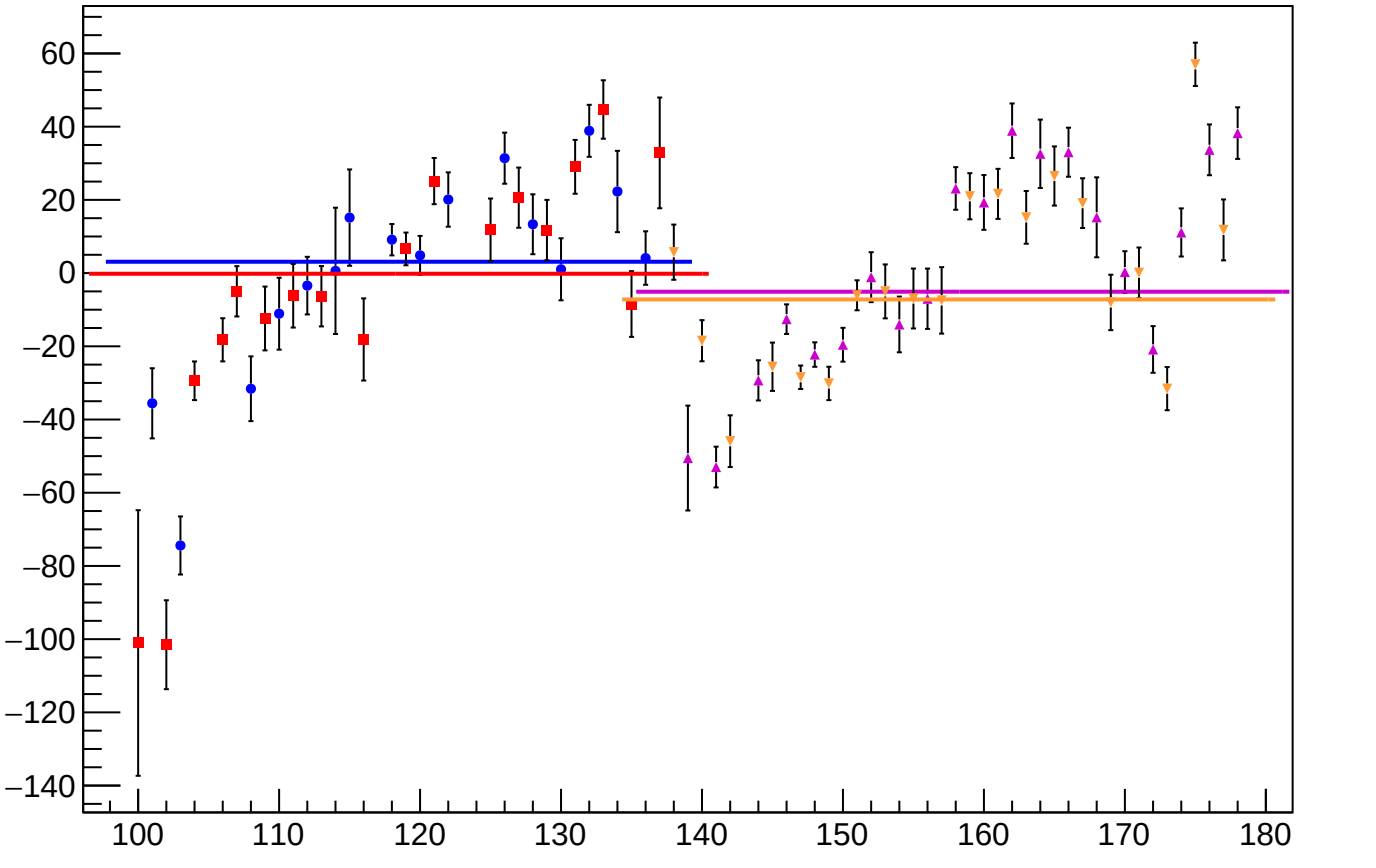
Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 396.844+/-1.905 χ^2/NDF:1410.8/19

+ sign 359.628+/-1.341 χ^2/NDF: 3827.3/35

All: 350.714+/-0.927 χ^2/NDF: 9584.0/73

- sign 342.561+/-1.282 χ^2/NDF: 5672.1/37



Right In: 3.101+/-1.892 χ^2/NDF: 184.5/15

Left Out: -7.198+/-1.341 χ^2/NDF:335.4/19

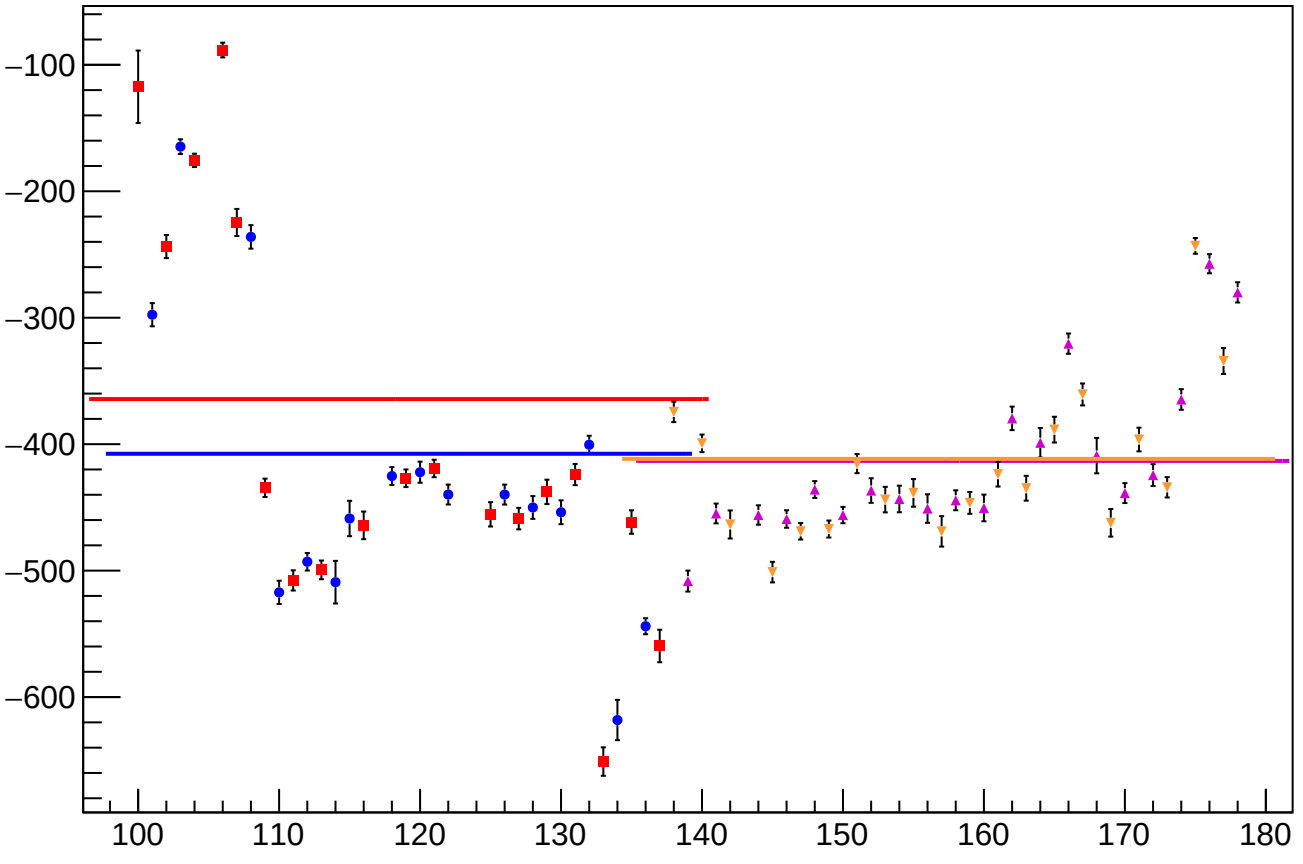
Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -5.085+/-1.350 χ^2/NDF:348.1/19

+ sign -3.754+/-1.094 χ^2/NDF: 539.7/35

All: -3.527+/-0.768 χ^2/NDF: 1097.9/73

- sign -3.307+/-1.078 χ^2/NDF: 558.1/37



Right In: -407.575+/-2.074 χ^2/NDF: 3280.5/15

Left Out: -411.622+/-1.905 χ^2/NDF:1233.6/19

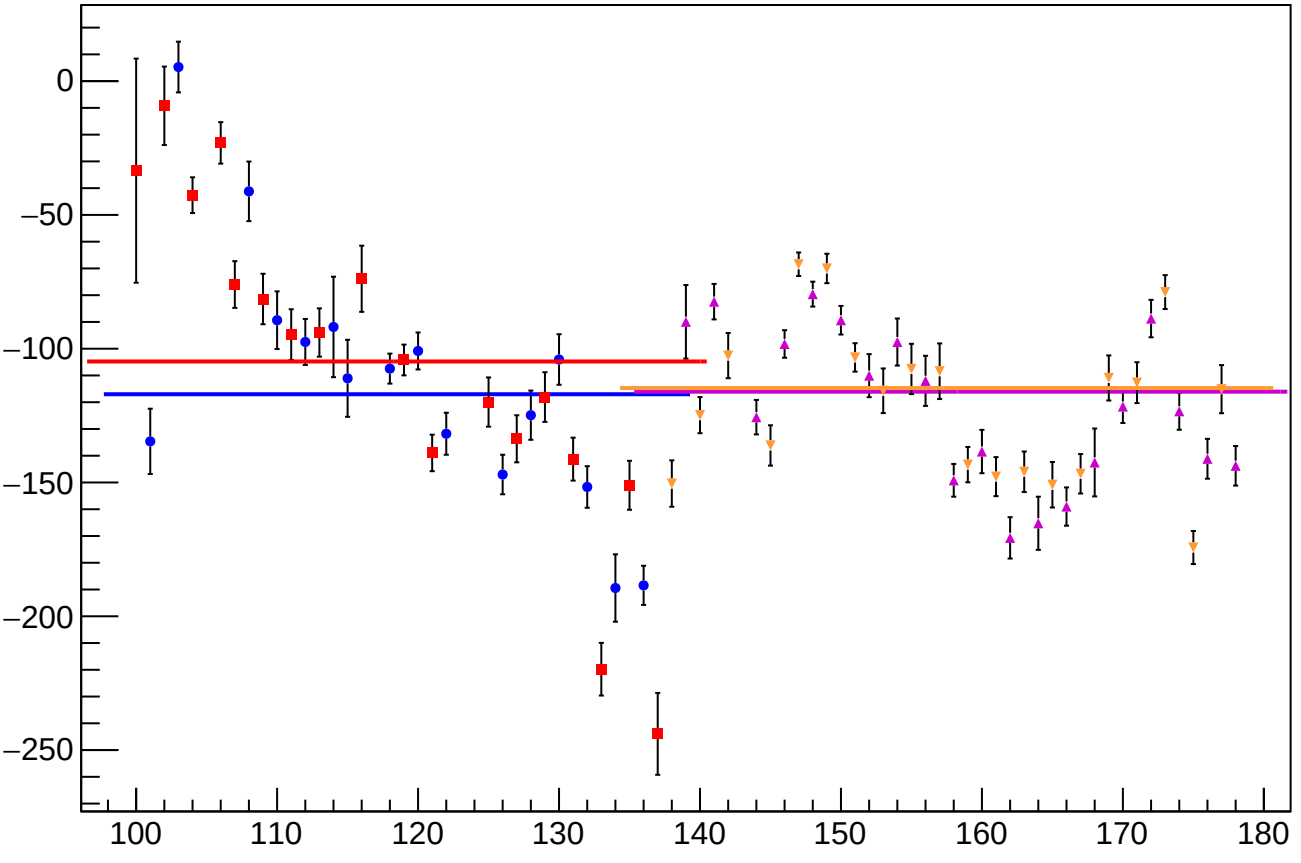
Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -413.245+/-1.872 χ^2/NDF:1242.9/19

+ sign -409.770+/-1.403 χ^2/NDF: 4516.2/35

All: -399.326+/-0.972 χ^2/NDF: 12414.9/73

- sign -389.684+/-1.348 χ^2/NDF: 7792.2/37



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -114.711+/-1.565 χ^2/NDF:430.6/19

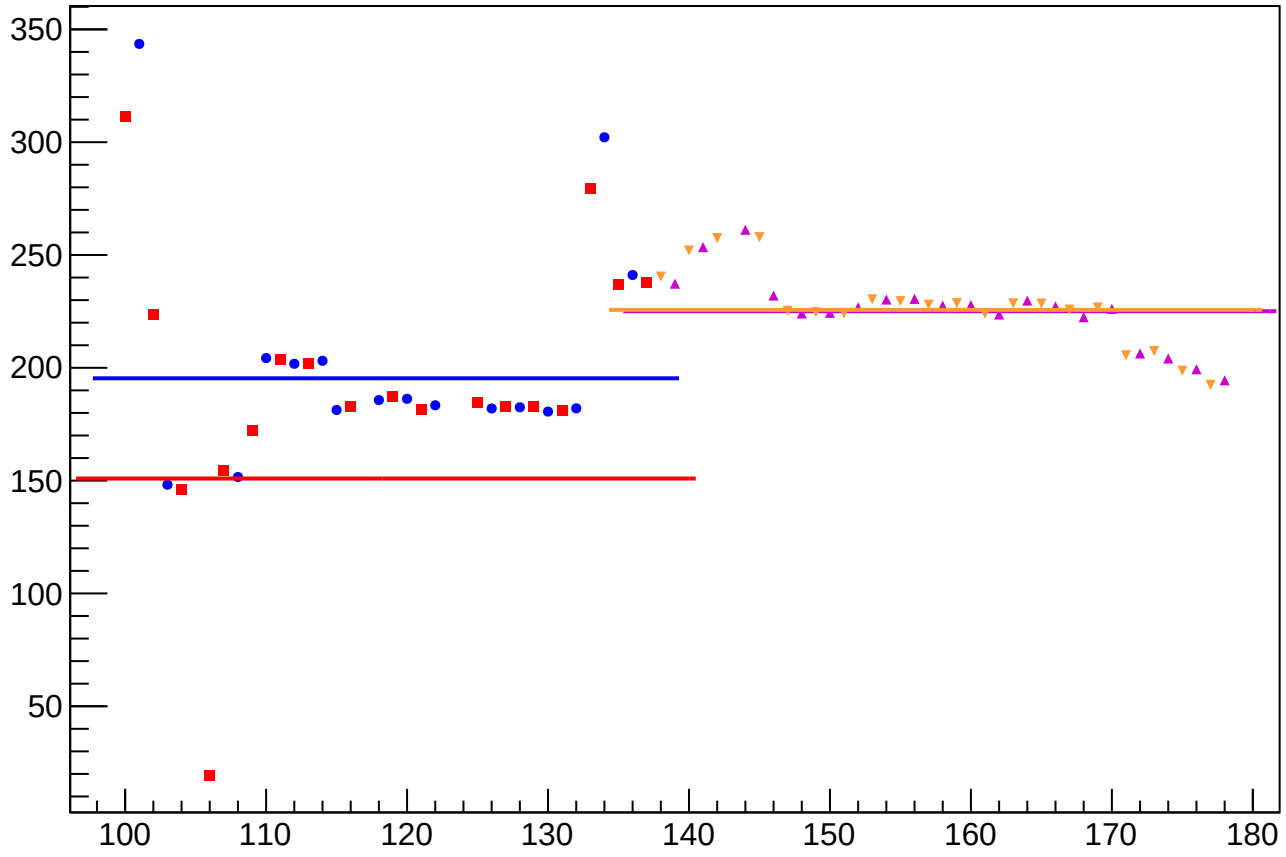
Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -116.061+/-1.563 χ^2/NDF:329.5/19

+ sign -115.490+/-1.274 χ^2/NDF: 839.2/35

All: -113.723+/-0.893 χ^2/NDF: 1766.2/73

- sign -112.017+/-1.252 χ^2/NDF: 923.3/37



Right In: 195.351+/-0.125 χ^2/NDF: 176975.5/15

Left Out: 225.691+/-0.074 χ^2/NDF:49456.4/19

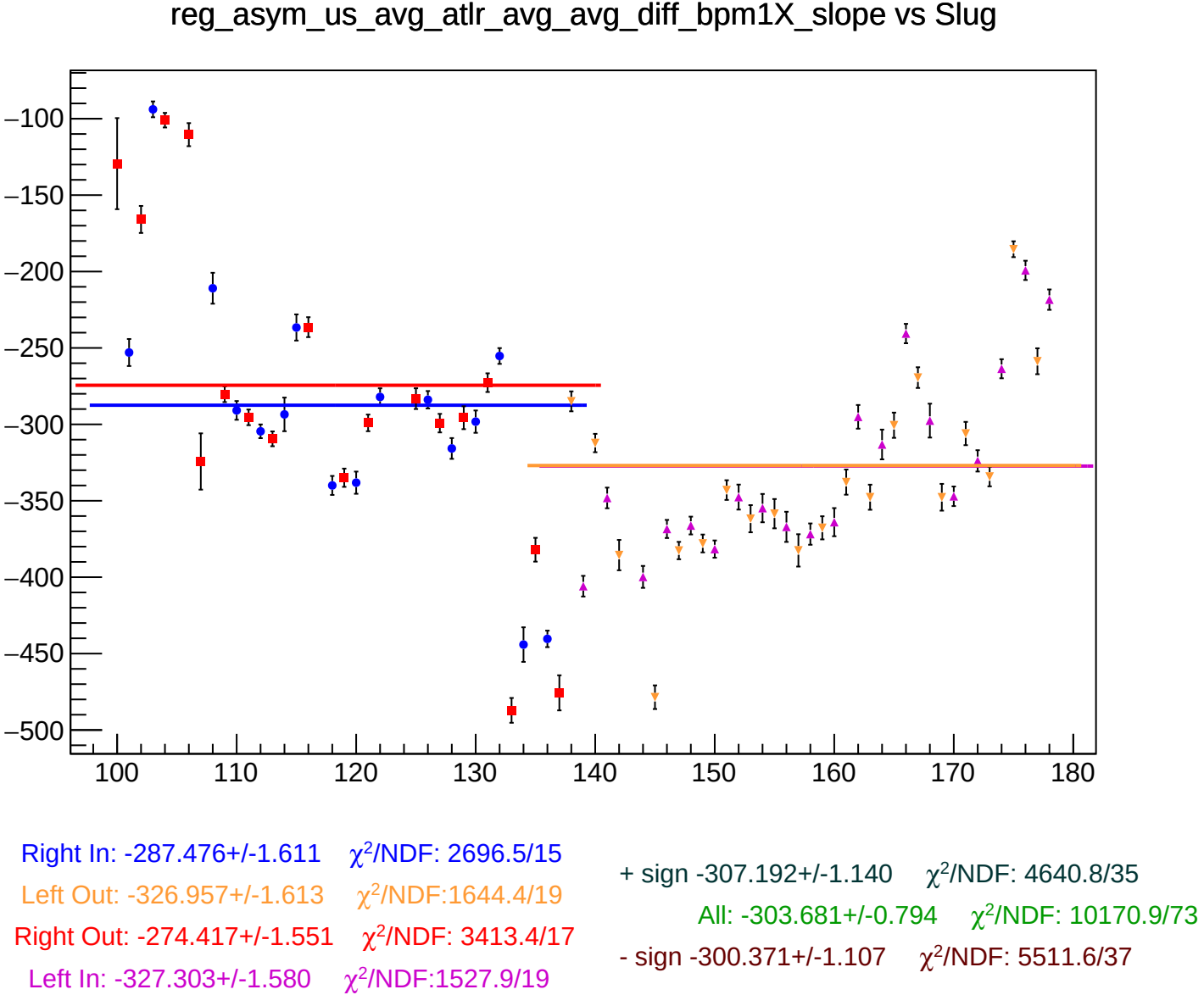
Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

Left In: 225.090+/-0.072 χ^2/NDF:45152.7/19

+ sign 217.852+/-0.063 χ^2/NDF: 270384.1/35

All: 210.068+/-0.044 χ^2/NDF: 1162048.9/73

- sign 203.081+/-0.060 χ^2/NDF: 863011.1/37



Right In: -287.476+/-1.611 χ^2/NDF: 2696.5/15

Left Out: -326.957+/-1.613 χ^2/NDF:1644.4/19

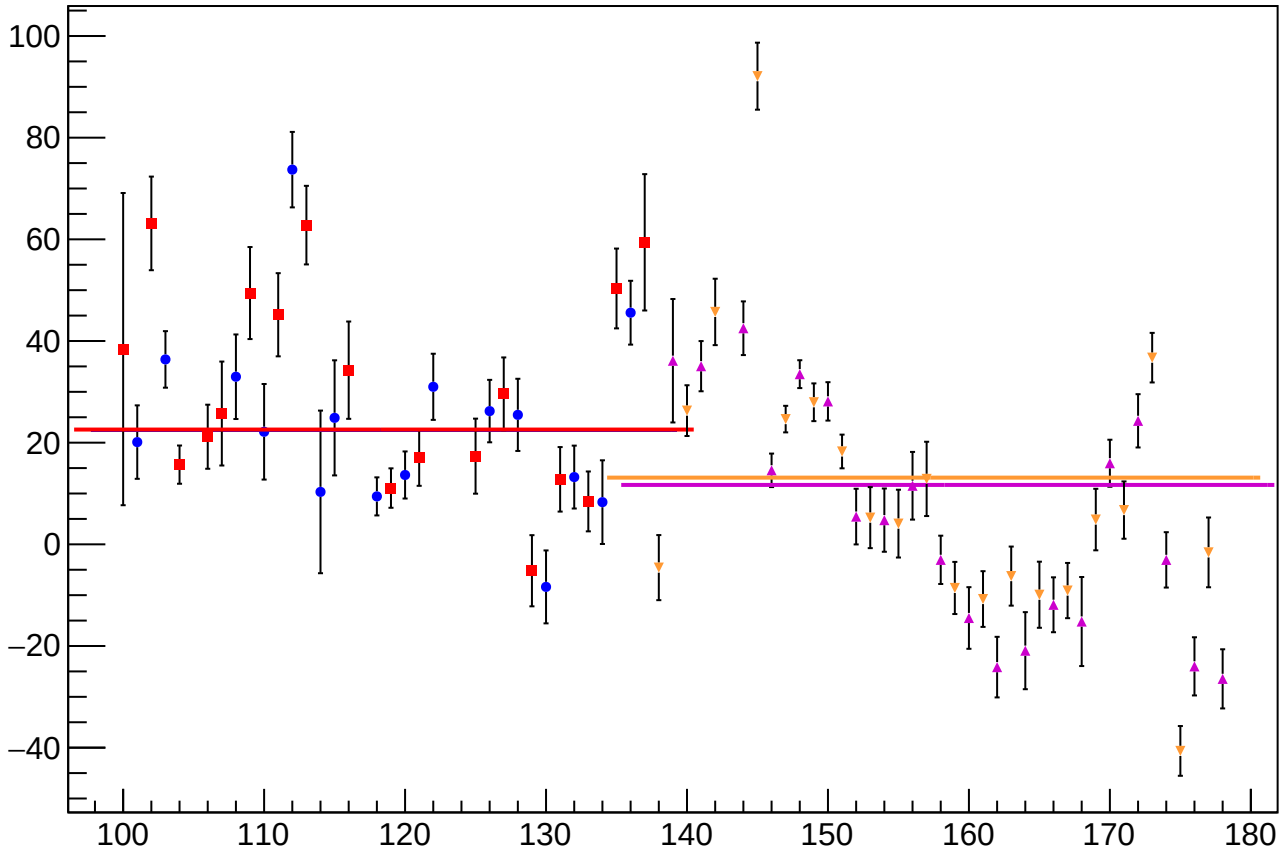
Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

Left In: -327.303+/-1.580 χ^2/NDF:1527.9/19

\+ sign -307.192+/-1.140 χ^2/NDF: 4640.8/35

All: -303.681+/-0.794 χ^2/NDF: 10170.9/73

\- sign -300.371+/-1.107 χ^2/NDF: 5511.6/37



Right In: 22.492+/-1.621 χ^2/NDF: 111.4/15

Left Out: 13.124+/-1.110 χ^2/NDF:453.5/19

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

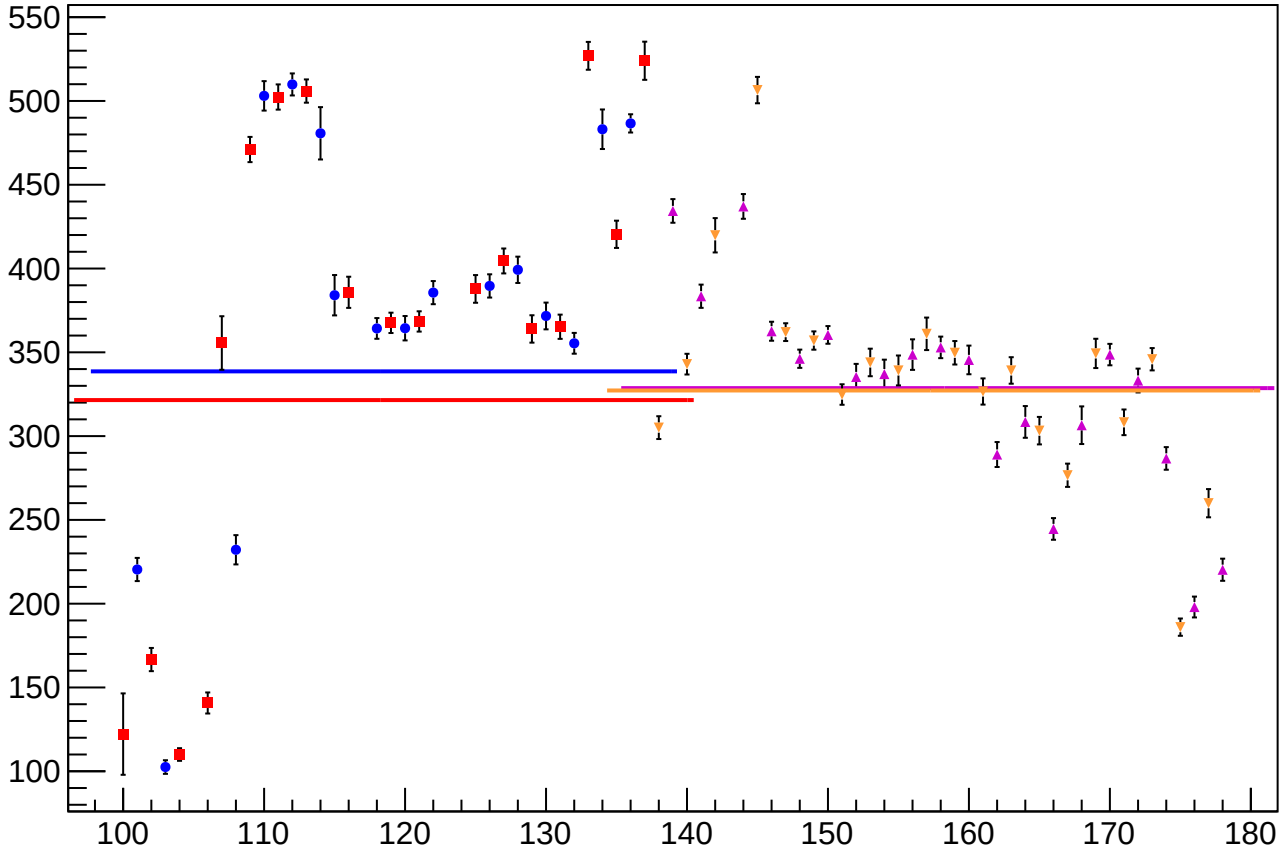
Left In: 11.686+/-1.117 χ^2/NDF:353.2/19

+ sign 16.113+/-0.916 χ^2/NDF: 587.7/35

All: 15.728+/-0.645 χ^2/NDF: 1096.6/73

- sign 15.347+/-0.910 χ^2/NDF: 508.5/37

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: 327.233+/-1.581 χ^2/NDF:1615.4/19

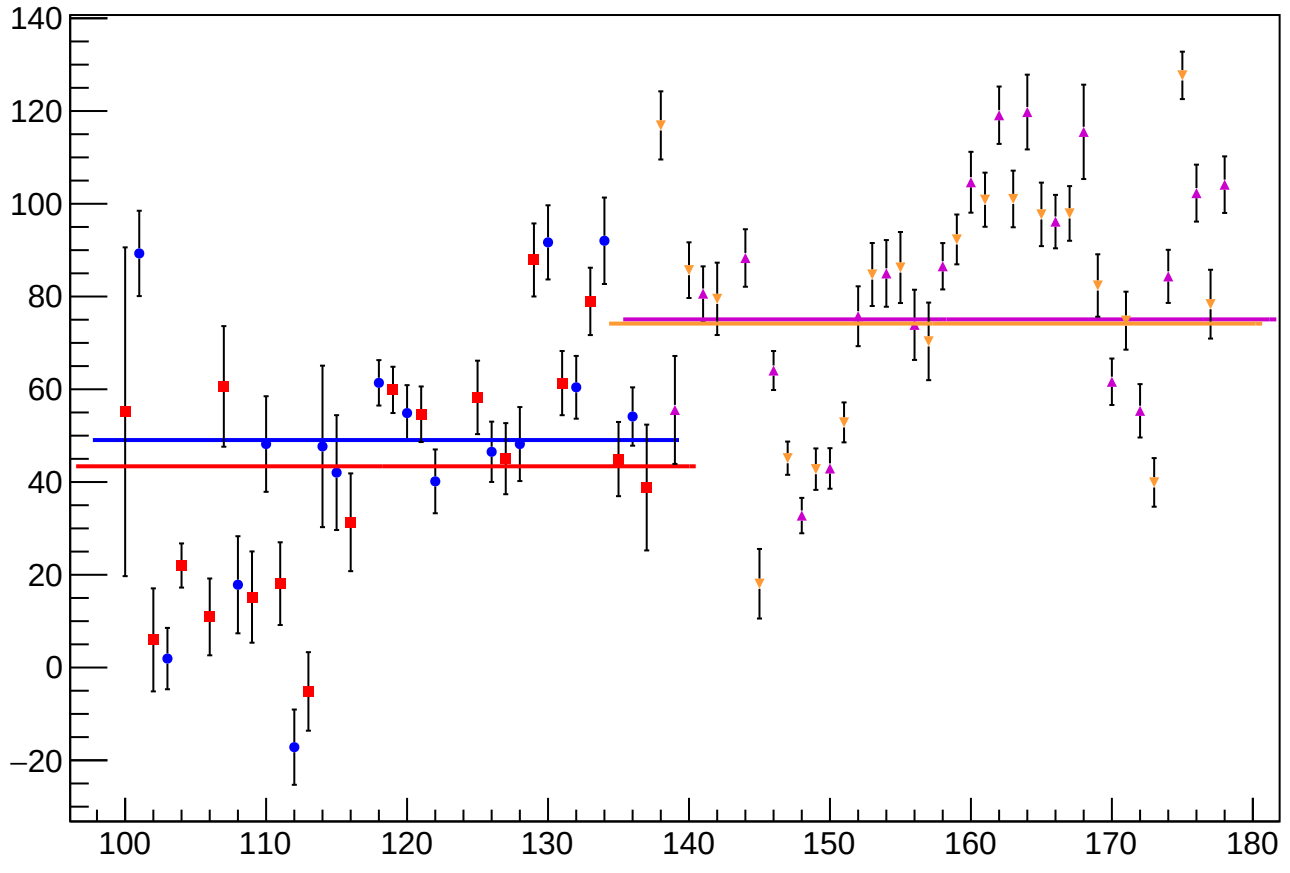
Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 328.632+/-1.551 χ^2/NDF:1574.7/19

+ sign 332.362+/-1.173 χ^2/NDF: 7681.4/35

All: 328.785+/-0.819 χ^2/NDF: 17004.7/73

- sign 325.381+/-1.144 χ^2/NDF: 9305.1/37



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 74.165+/-1.295 χ^2/NDF:472.1/19

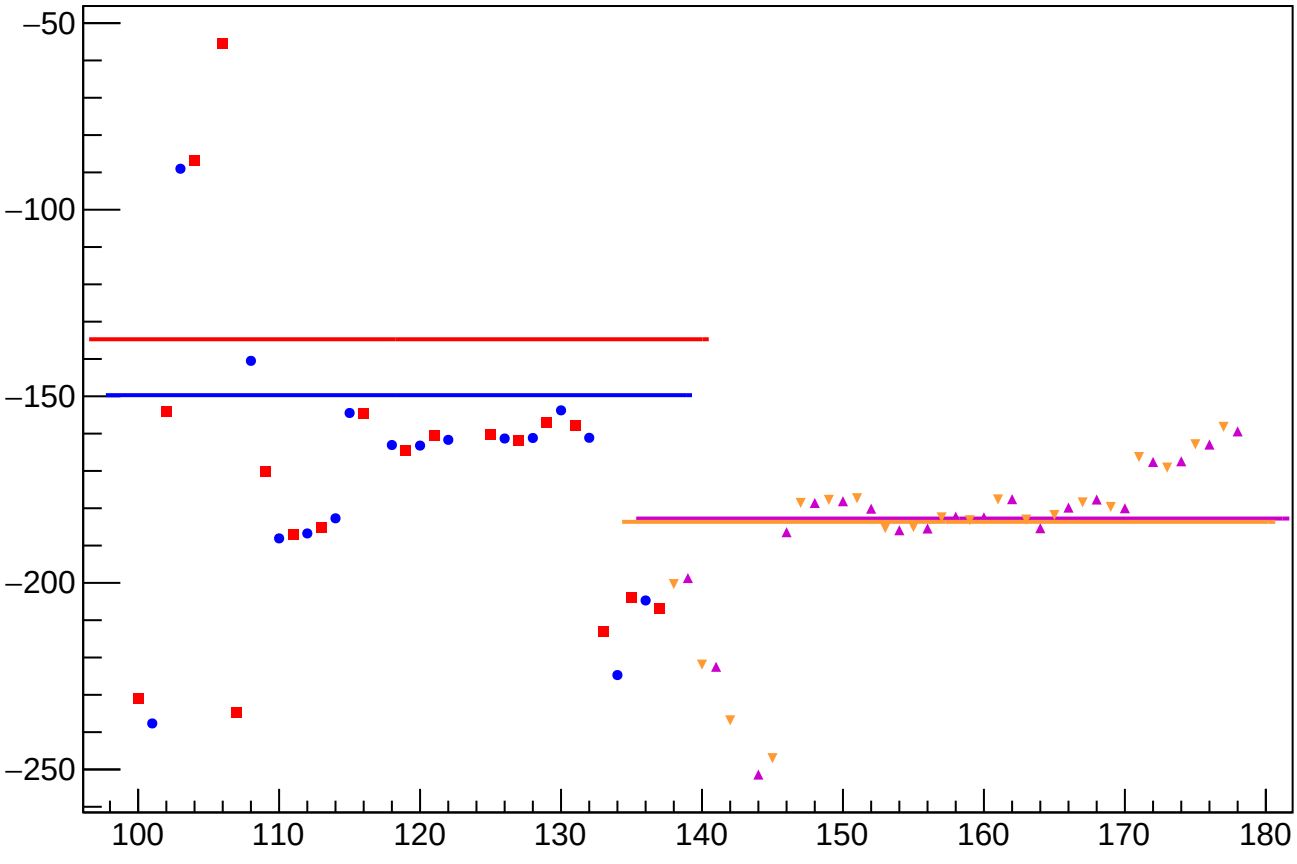
Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 75.070+/-1.292 χ^2/NDF:394.3/19

+ sign 66.101+/-1.067 χ^2/NDF: 800.9/35

All: 65.325+/-0.750 χ^2/NDF: 1575.6/73

- sign 64.565+/-1.056 χ^2/NDF: 773.7/37



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -183.643+/-0.061 χ^2/NDF:105839.4/19

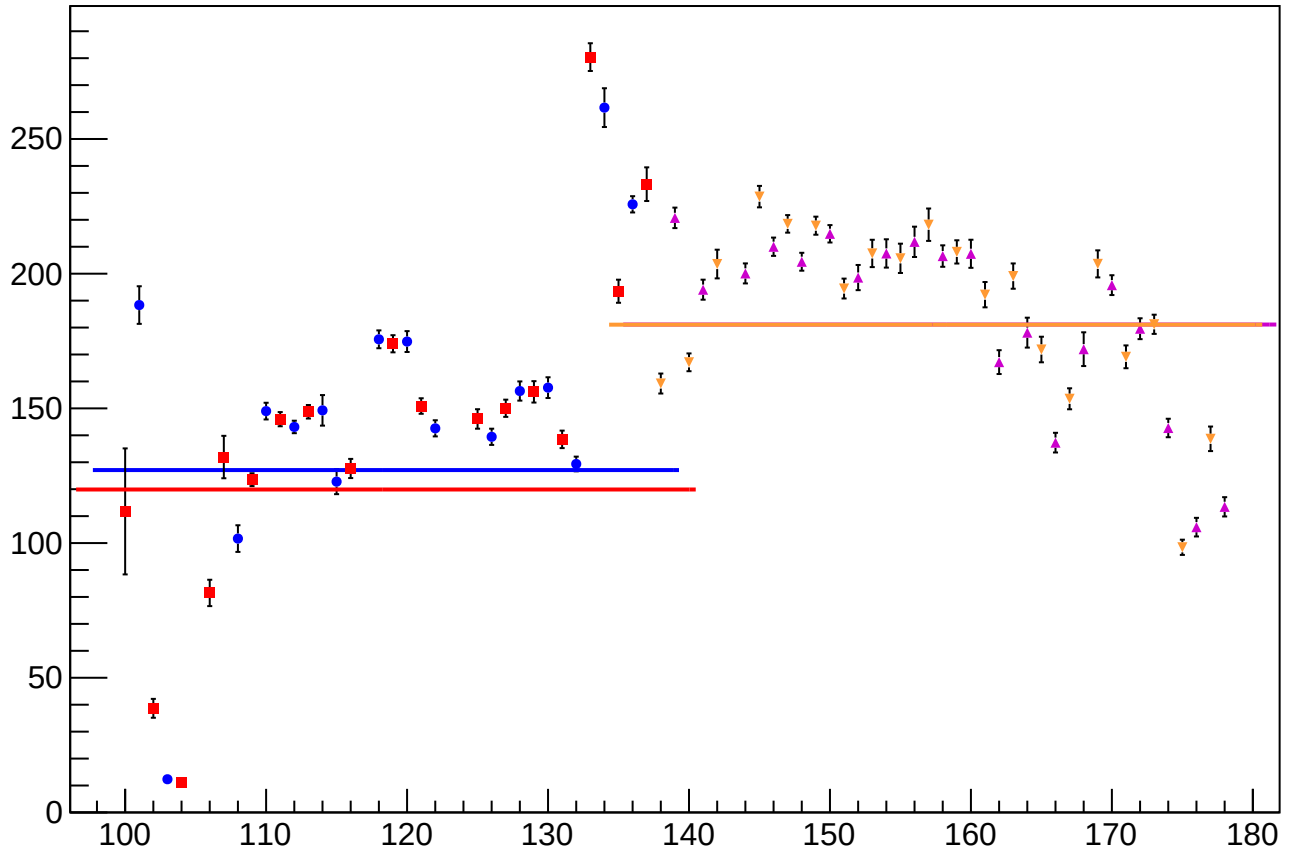
Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

Left In: -182.759+/-0.059 χ^2/NDF:88567.1/19

+ sign -174.582+/-0.052 χ^2/NDF: 445412.2/35

All: -172.092+/-0.036 χ^2/NDF: 1029981.4/73

- sign -169.754+/-0.050 χ^2/NDF: 580136.3/37



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 181.074+/-0.905 χ^2/NDF:1646.1/19

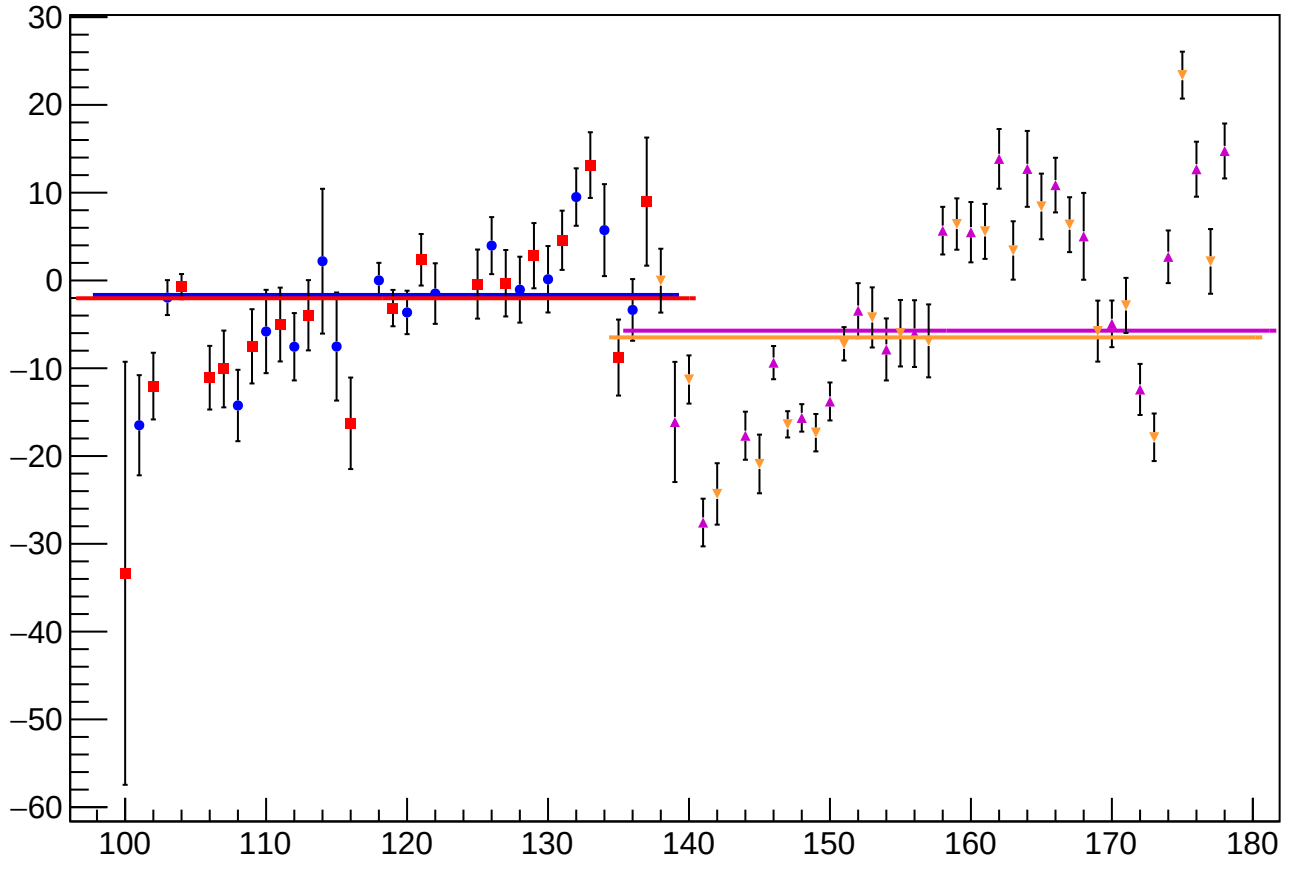
Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 181.123+/-0.887 χ^2/NDF:1639.9/19

+ sign 151.142+/-0.604 χ^2/NDF: 9783.1/35

All: 148.674+/-0.419 χ^2/NDF: 20810.7/73

- sign 146.372+/-0.583 χ^2/NDF: 10995.3/37



Right In: -1.651+/-0.833 χ^2/NDF: 39.1/15

Left Out: -6.484+/-0.626 χ^2/NDF:346.6/19

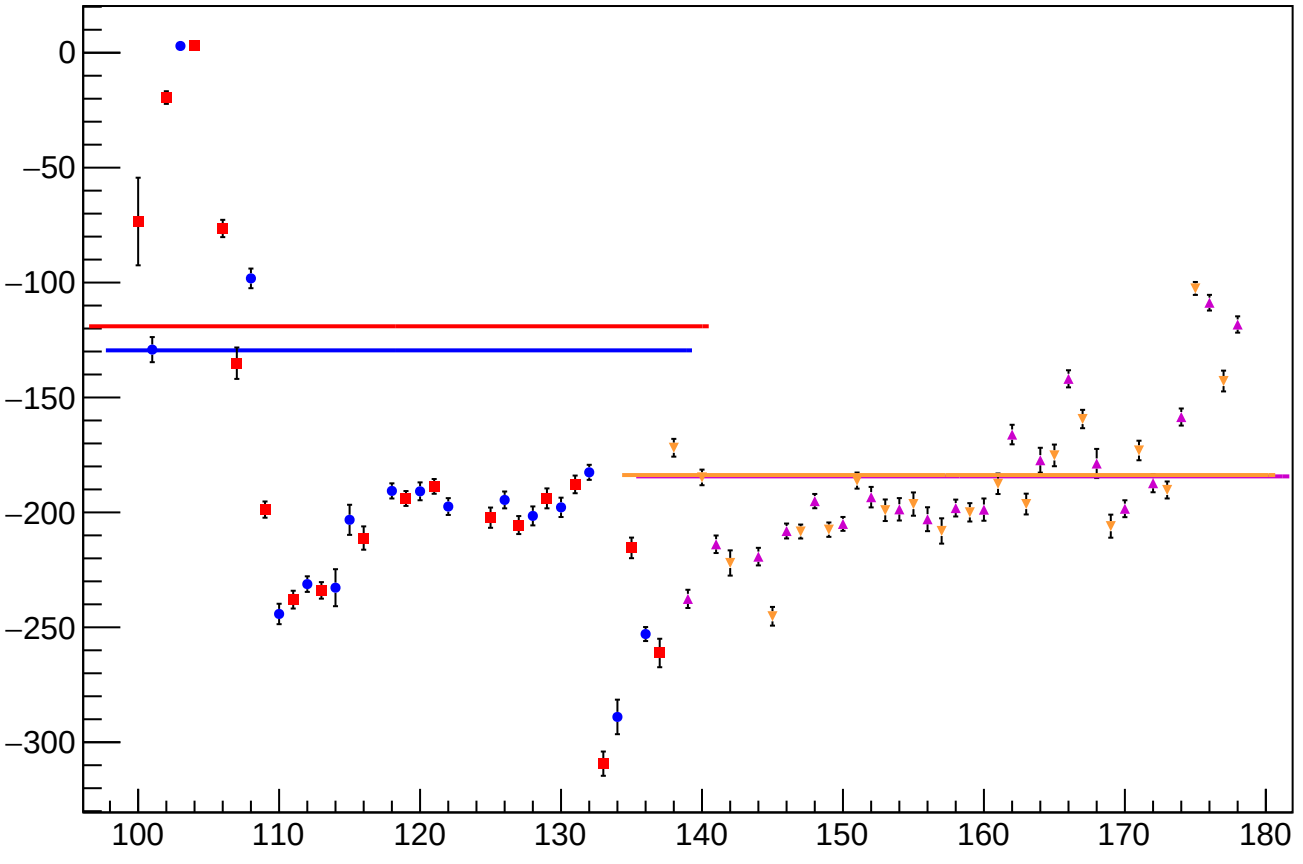
Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -5.719+/-0.630 χ^2/NDF:348.2/19

+ sign -4.739+/-0.500 χ^2/NDF: 407.1/35

All: -4.483+/-0.349 χ^2/NDF: 828.2/73

- sign -4.240+/-0.487 χ^2/NDF: 420.5/37



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -183.751+/-0.888 χ^2/NDF:1451.4/19

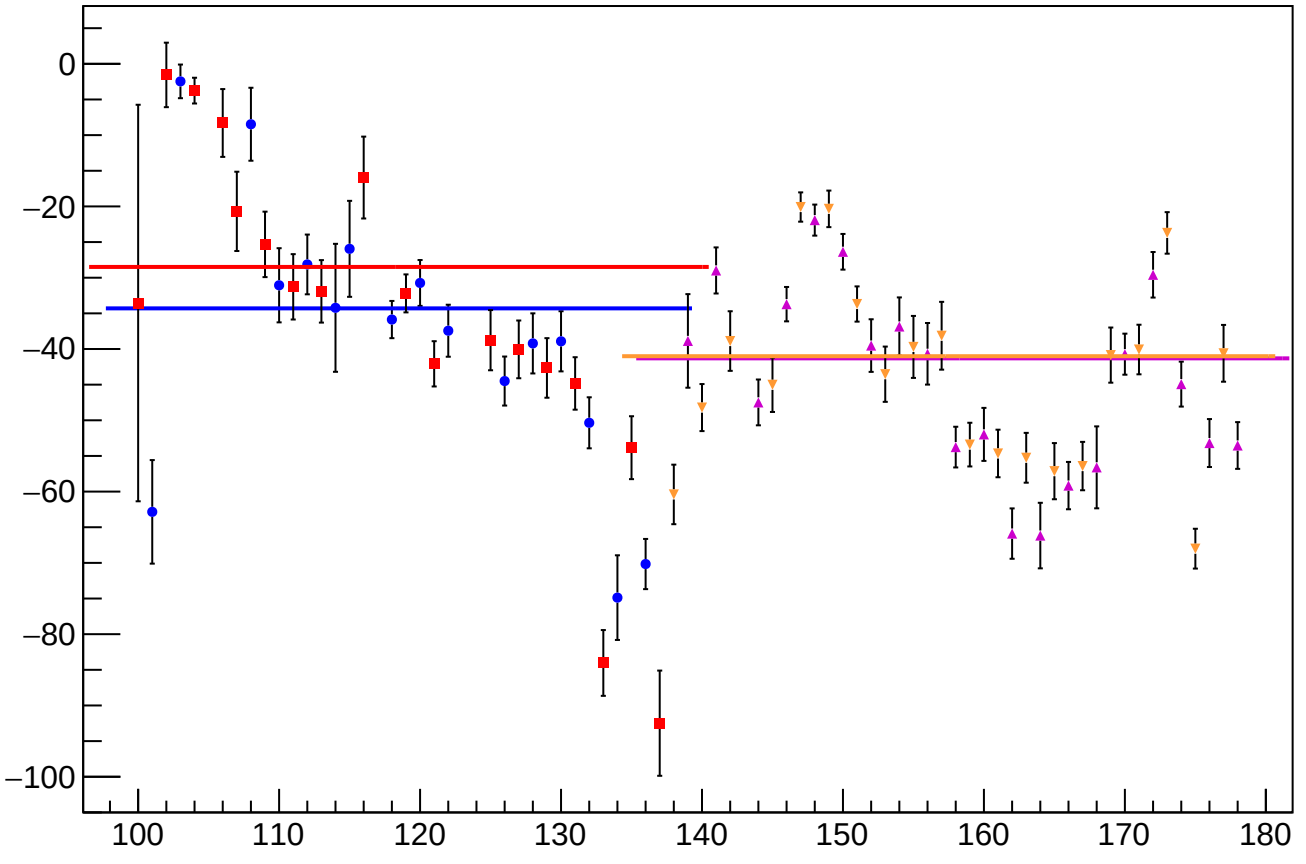
Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -184.333+/-0.871 χ^2/NDF:1536.3/19

+ sign -155.323+/-0.613 χ^2/NDF: 18095.2/35

All: -152.277+/-0.427 χ^2/NDF: 38860.9/73

- sign -149.410+/-0.594 χ^2/NDF: 20717.8/37



Right In: -34.301+/-0.968 χ^2/NDF: 411.3/15

Left Out: -41.010+/-0.729 χ^2/NDF:422.1/19

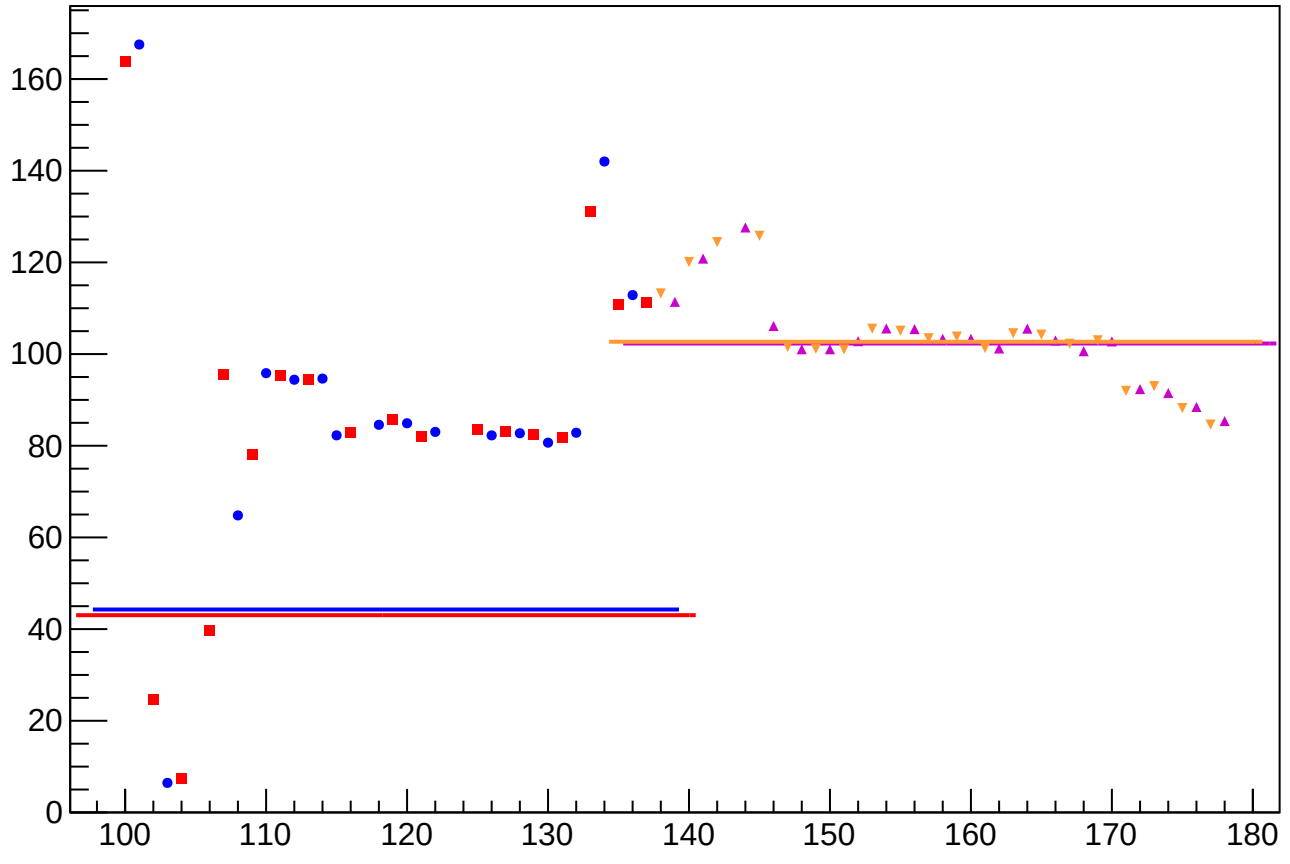
Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: -41.312+/-0.727 χ^2/NDF:326.8/19

+ sign -38.580+/-0.582 χ^2/NDF: 864.0/35

All: -37.406+/-0.406 χ^2/NDF: 1888.5/73

- sign -36.291+/-0.567 χ^2/NDF: 1016.5/37



Right In: 44.274+/-0.045 χ^2/NDF: 1085082.2/15

Left Out: 102.690+/-0.034 χ^2/NDF:84031.9/19

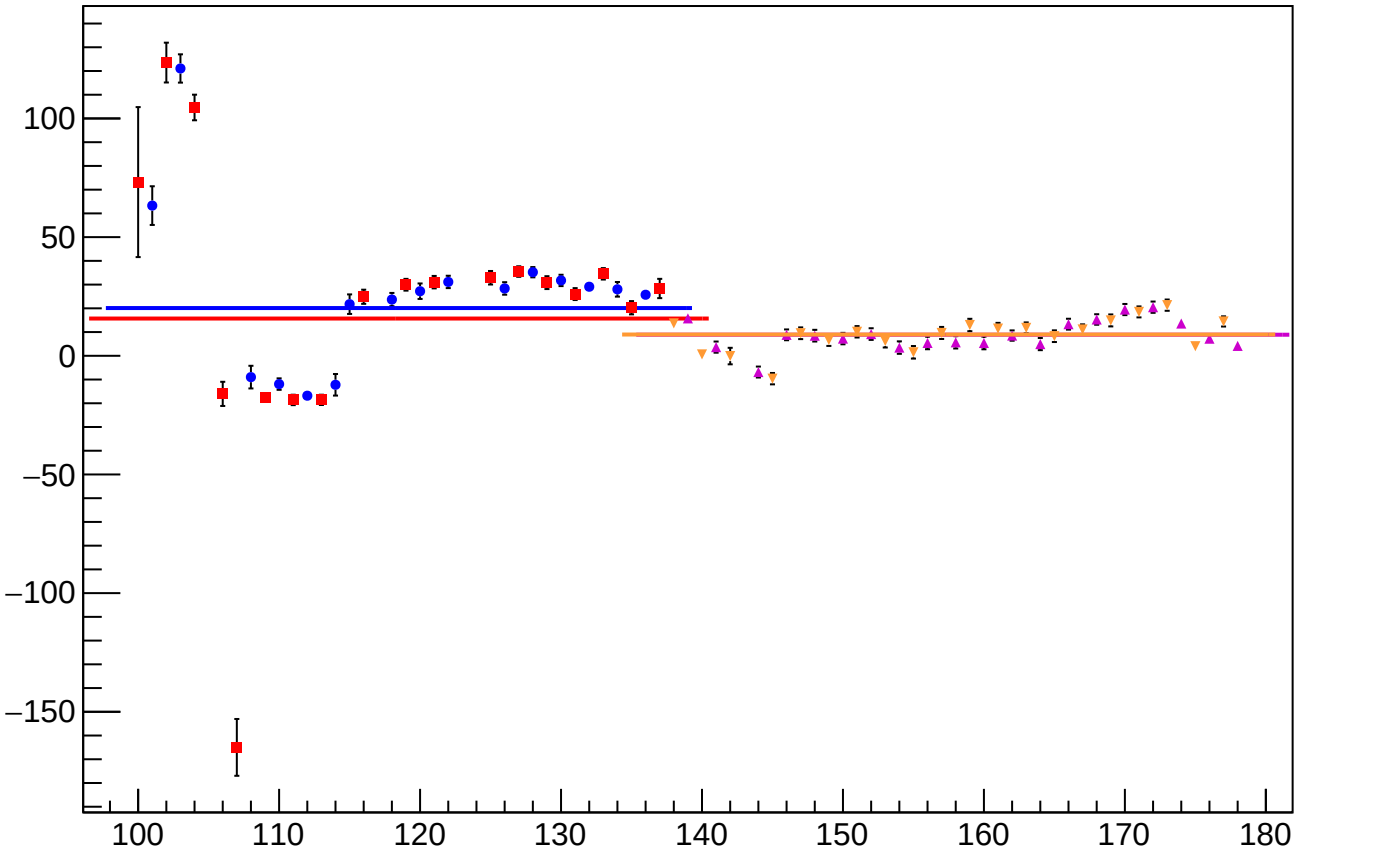
Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 102.304+/-0.033 χ^2/NDF:75033.4/19

+ sign 81.256+/-0.027 χ^2/NDF: 2238741.6/35

All: 81.319+/-0.019 χ^2/NDF: 4239430.0/73

- sign 81.380+/-0.027 χ^2/NDF: 2000677.9/37



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 8.964+/-0.525 χ^2/NDF:169.3/19

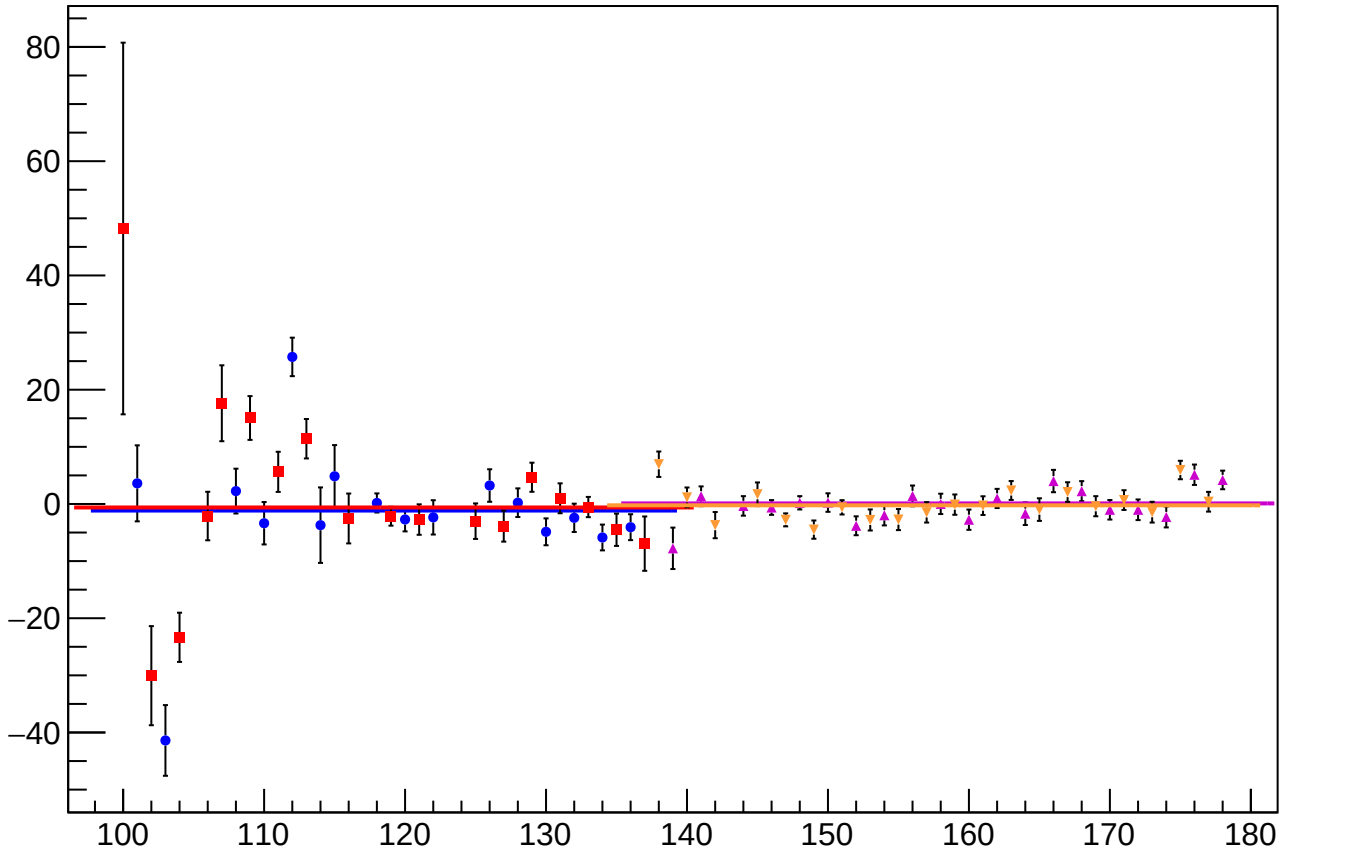
Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 8.877+/-0.514 χ^2/NDF:144.1/19

\+ sign 13.079+/-0.417 χ^2/NDF: 1383.8/35

All: 12.198+/-0.293 χ^2/NDF: 3374.3/73

\- sign 11.346+/-0.410 χ^2/NDF: 1981.8/37



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: -0.234+/-0.378 χ^2/NDF:50.6/19

Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

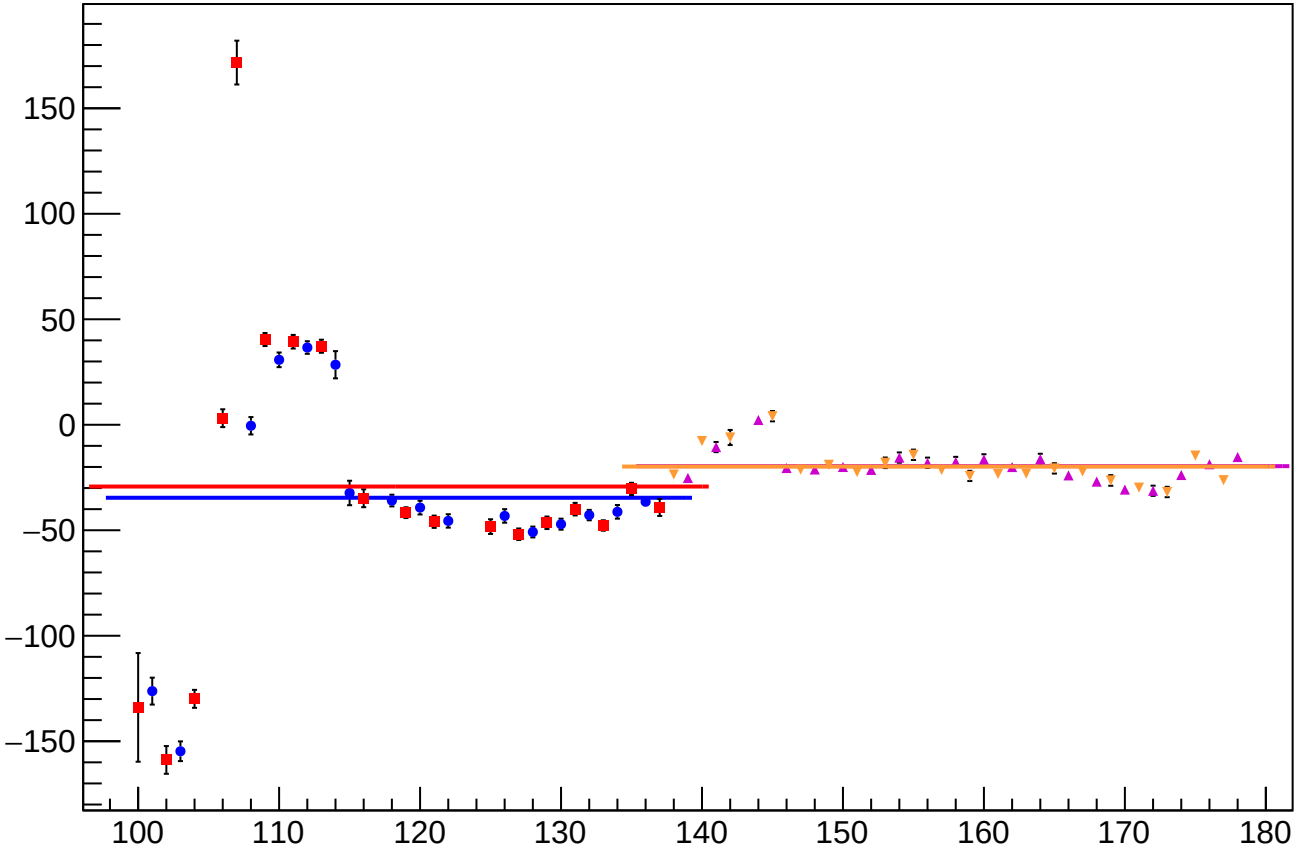
Left In: 0.100+/-0.380 χ^2/NDF:39.0/19

+ sign -0.442+/-0.333 χ^2/NDF: 173.8/35

All: -0.251+/-0.236 χ^2/NDF: 307.6/73

- sign -0.058+/-0.335 χ^2/NDF: 133.2/37

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -34.598+/-0.786 χ^2/NDF: 2058.4/15

Left Out: -19.800+/-0.516 χ^2/NDF:230.6/19

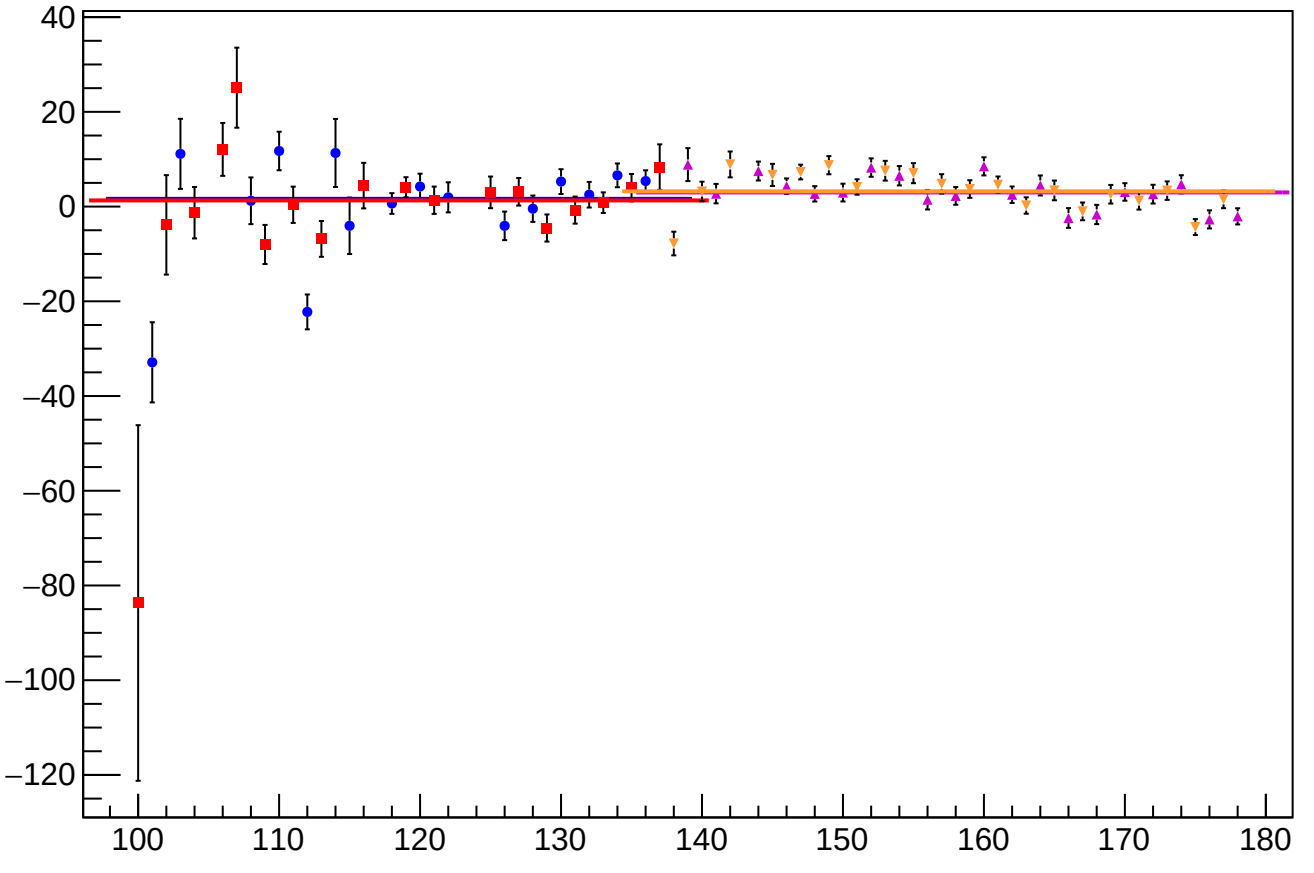
Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -19.618+/-0.506 χ^2/NDF:183.7/19

\+ sign -24.254+/-0.431 χ^2/NDF: 2536.7/35

All: -23.306+/-0.304 χ^2/NDF: 5915.3/73

\- sign -22.375+/-0.427 χ^2/NDF: 3369.0/37



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 3.218+/-0.432 χ^2/NDF:80.6/19

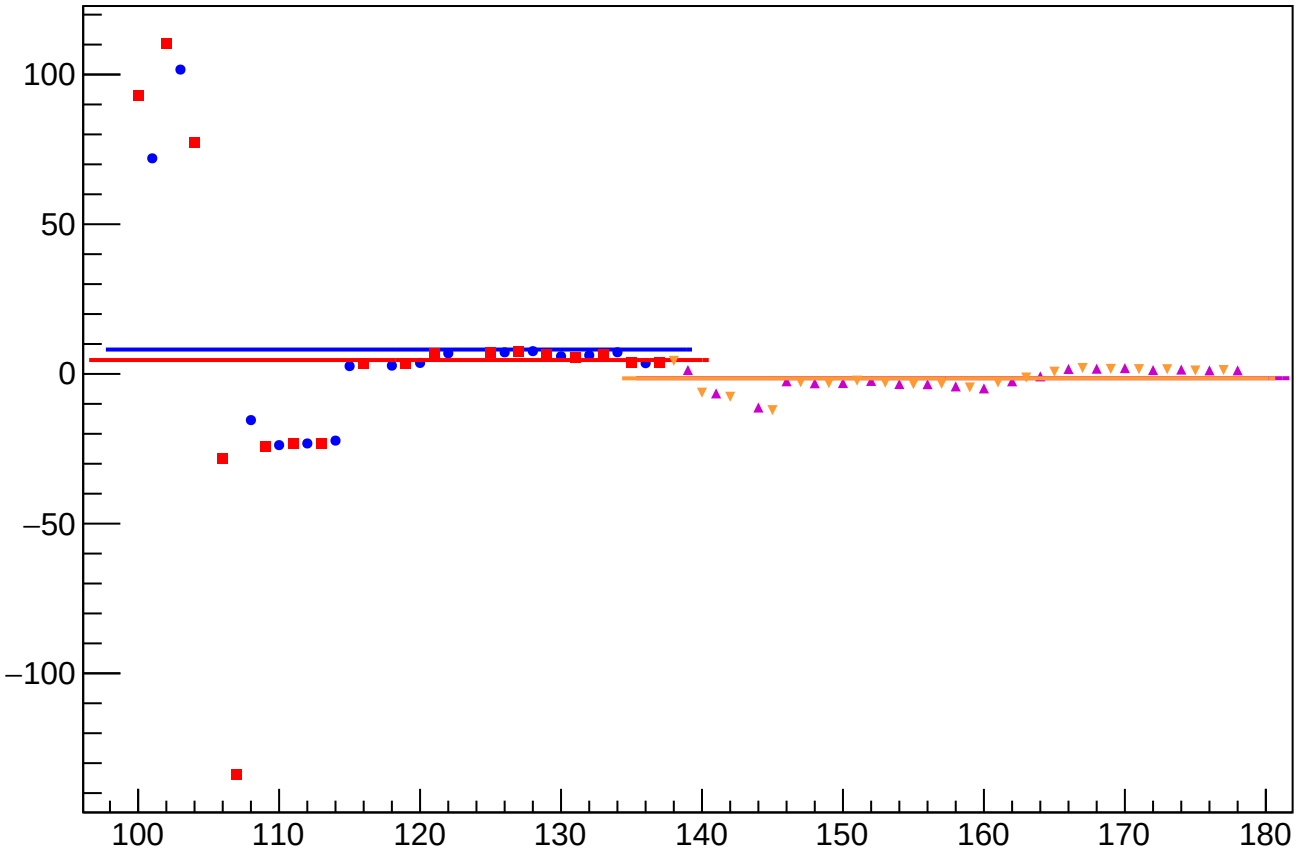
Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 2.984+/-0.432 χ^2/NDF:58.9/19

+ sign 2.858+/-0.380 χ^2/NDF: 166.9/35

All: 2.737+/-0.269 χ^2/NDF: 266.8/73

- sign 2.615+/-0.382 χ^2/NDF: 99.7/37



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

Left Out: -1.469+/-0.019 χ^2/NDF:33656.6/19

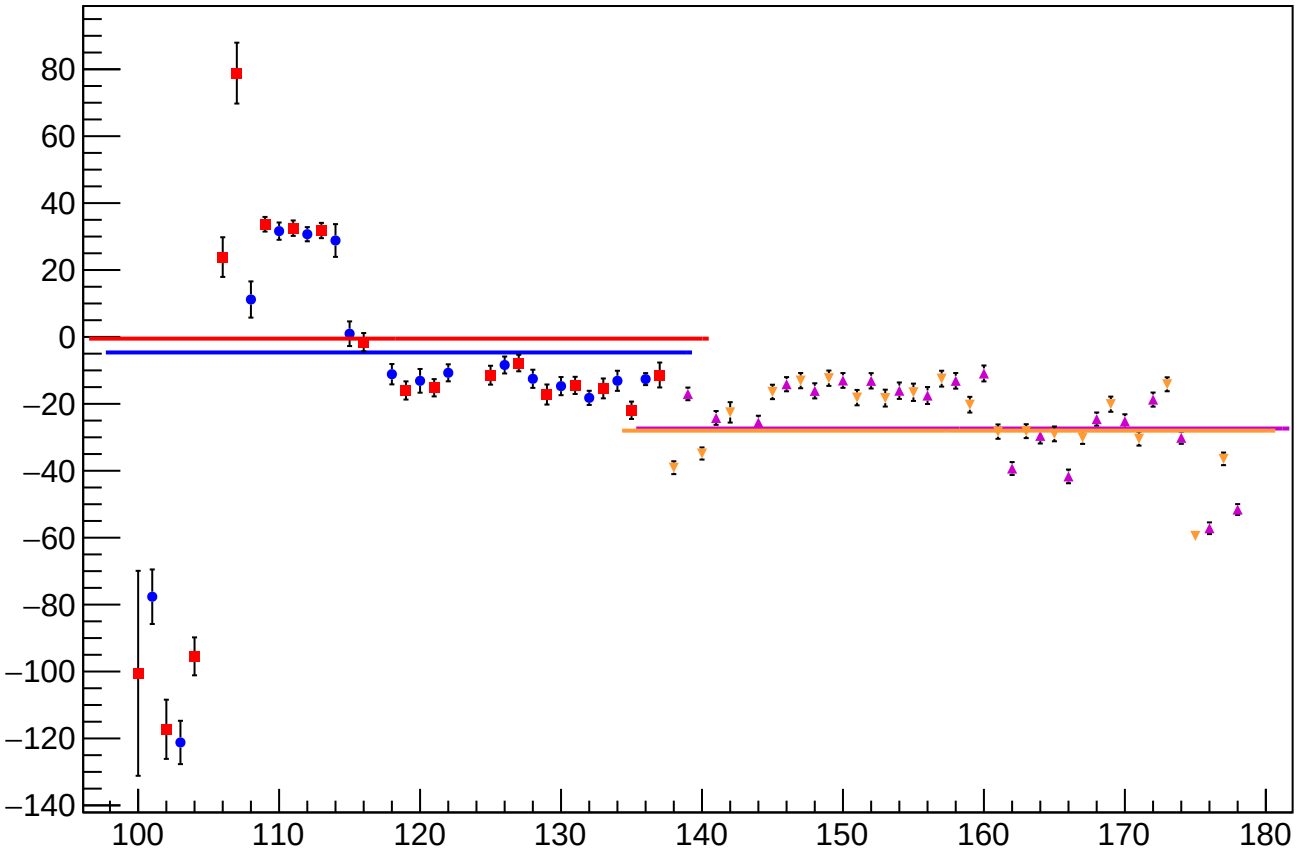
Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -1.426+/-0.019 χ^2/NDF:26504.2/19

+ sign -0.141+/-0.018 χ^2/NDF: 381062.8/35

All: -0.426+/-0.013 χ^2/NDF: 867001.5/73

- sign -0.706+/-0.018 χ^2/NDF: 485440.7/37



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -28.005+/-0.474 χ^2/NDF:796.1/19

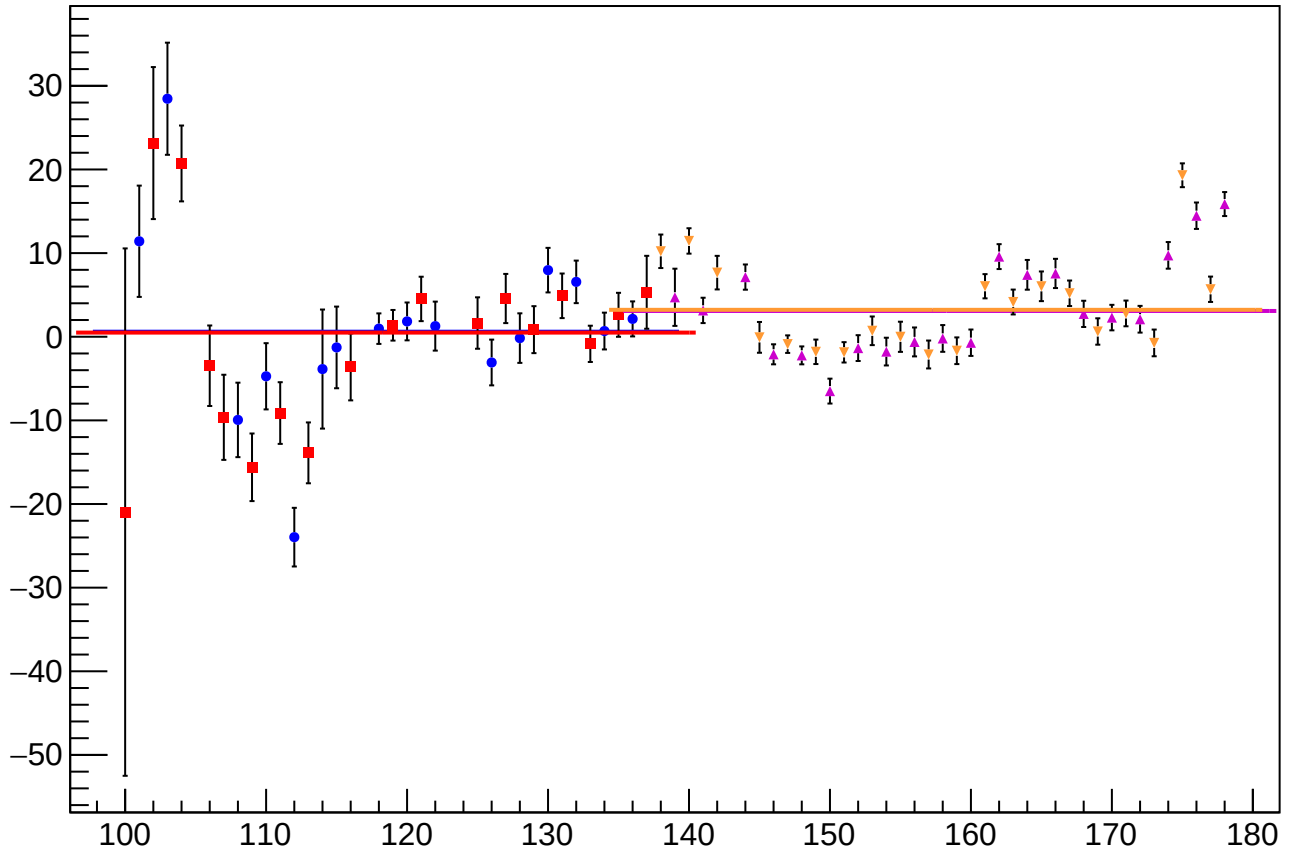
Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -27.370+/-0.463 χ^2/NDF:923.6/19

+ sign -20.819+/-0.395 χ^2/NDF: 2589.0/35

All: -20.081+/-0.277 χ^2/NDF: 5980.1/73

- sign -19.368+/-0.388 χ^2/NDF: 3384.3/37



Right In: 0.602+/-0.727 χ^2/NDF: 92.9/15

Left Out: 3.218+/-0.343 χ^2/NDF:266.7/19

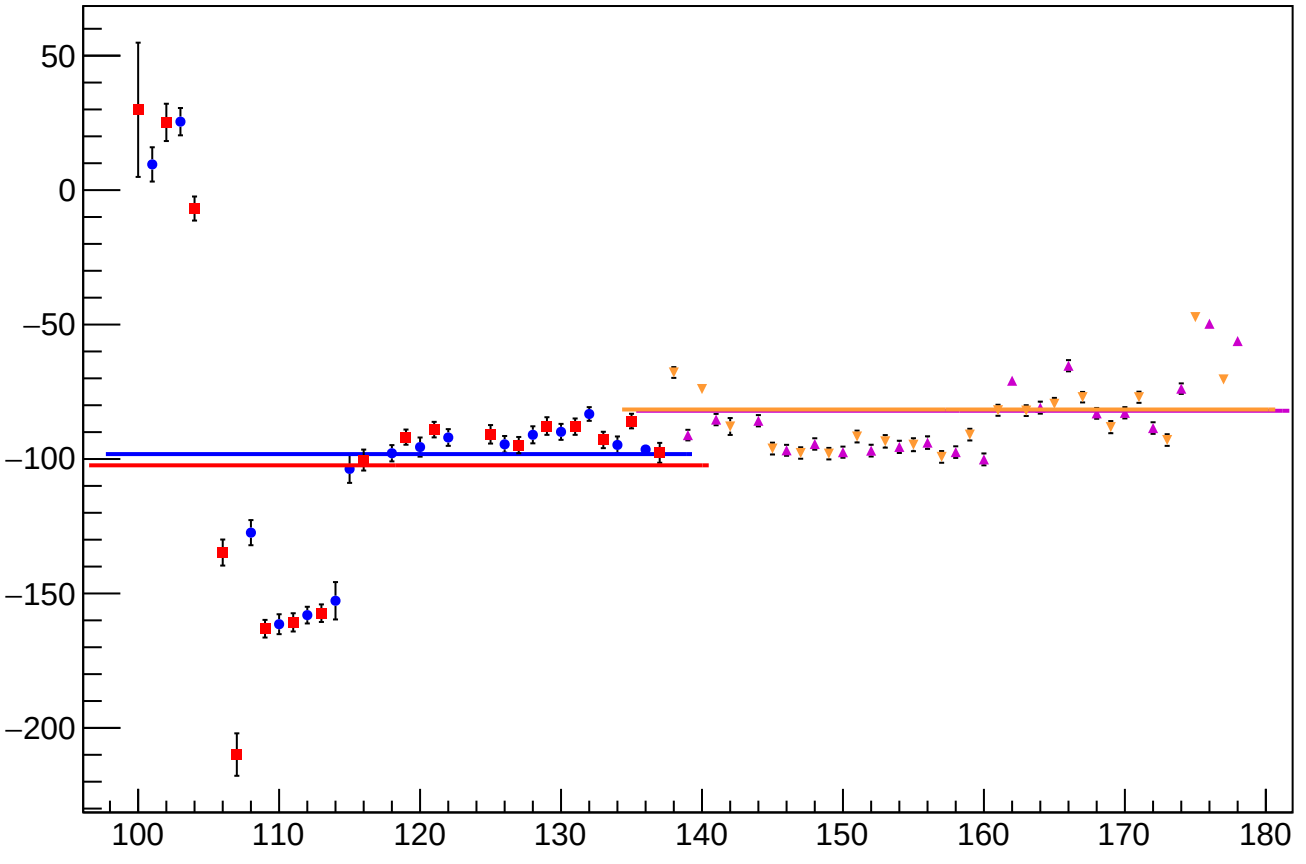
Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: 3.081+/-0.343 χ^2/NDF:304.7/19

+ sign 2.741+/-0.310 χ^2/NDF: 370.2/35

All: 2.690+/-0.220 χ^2/NDF: 764.8/73

- sign 2.639+/-0.312 χ^2/NDF: 394.6/37



Right In: -98.168+/-0.813 χ^2/NDF: 1699.9/15

Left Out: -81.584+/-0.466 χ^2/NDF:999.6/19

Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

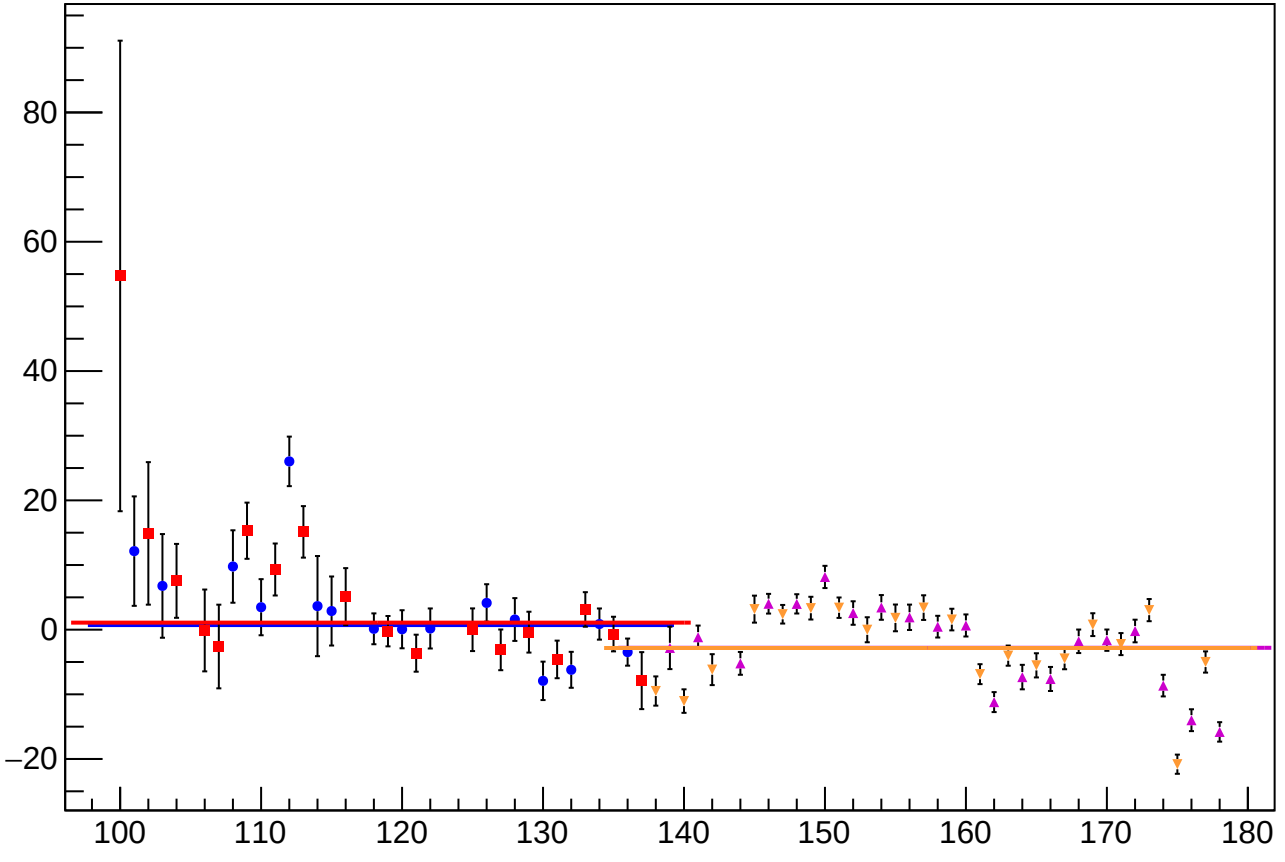
Left In: -82.061+/-0.456 χ^2/NDF:1132.7/19

+ sign -85.693+/-0.405 χ^2/NDF: 3012.7/35

All: -86.206+/-0.285 χ^2/NDF: 6719.1/73

- sign -86.708+/-0.401 χ^2/NDF: 3703.3/37

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -2.835+/-0.391 χ^2/NDF:280.2/19

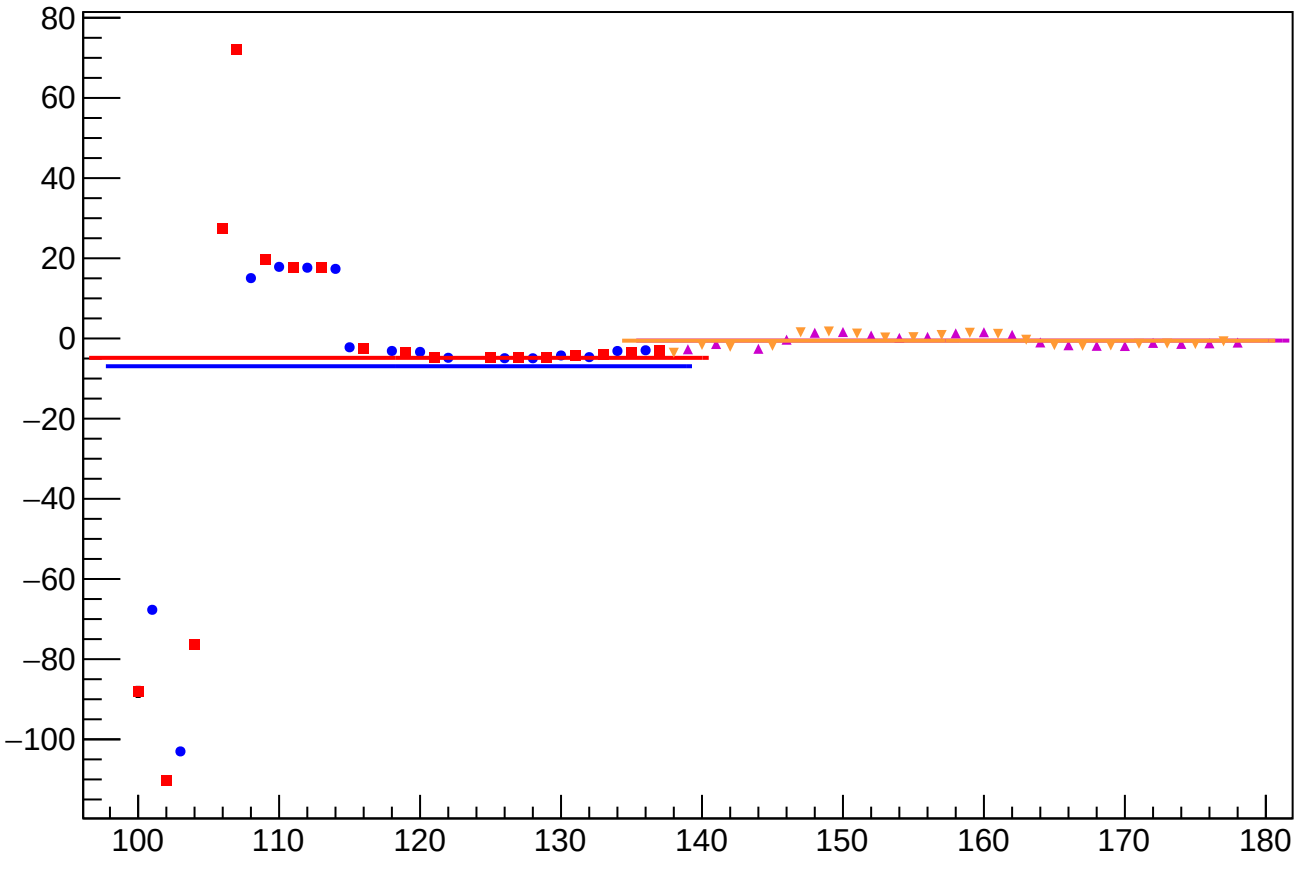
Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: -2.804+/-0.389 χ^2/NDF:293.1/19

+ sign -2.181+/-0.353 χ^2/NDF: 365.0/35

All: -2.160+/-0.250 χ^2/NDF: 722.9/73

- sign -2.138+/-0.354 χ^2/NDF: 357.8/37



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: -0.550+/-0.018 χ^2/NDF:6505.3/19

Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

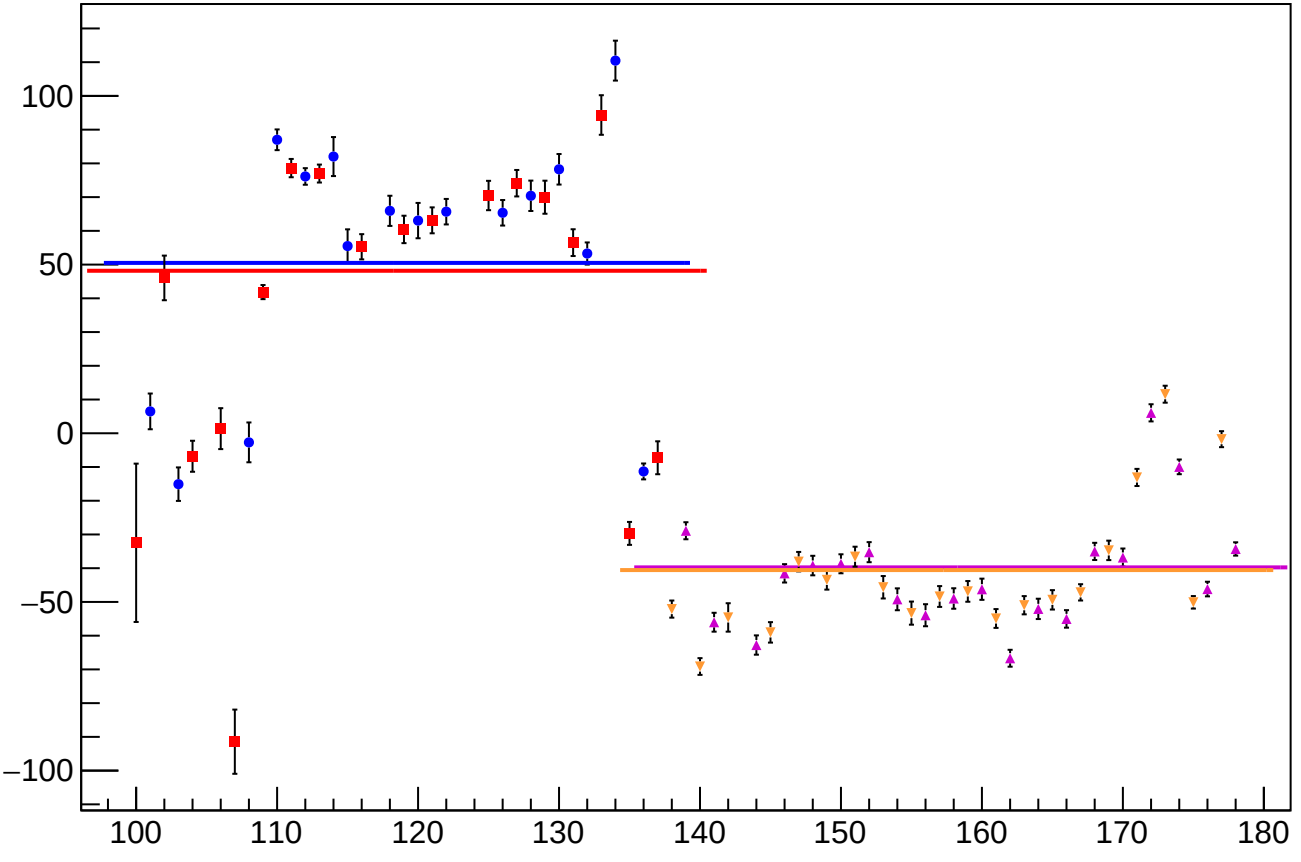
Left In: -0.528+/-0.017 χ^2/NDF:6158.5/19

+ sign -1.287+/-0.016 χ^2/NDF: 286963.5/35

All: -1.111+/-0.012 χ^2/NDF: 638720.7/73

- sign -0.939+/-0.016 χ^2/NDF: 351532.3/37

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 50.503+/-0.965 χ^2/NDF: 1503.6/15

Left Out: -40.554+/-0.610 χ^2/NDF:1136.4/19

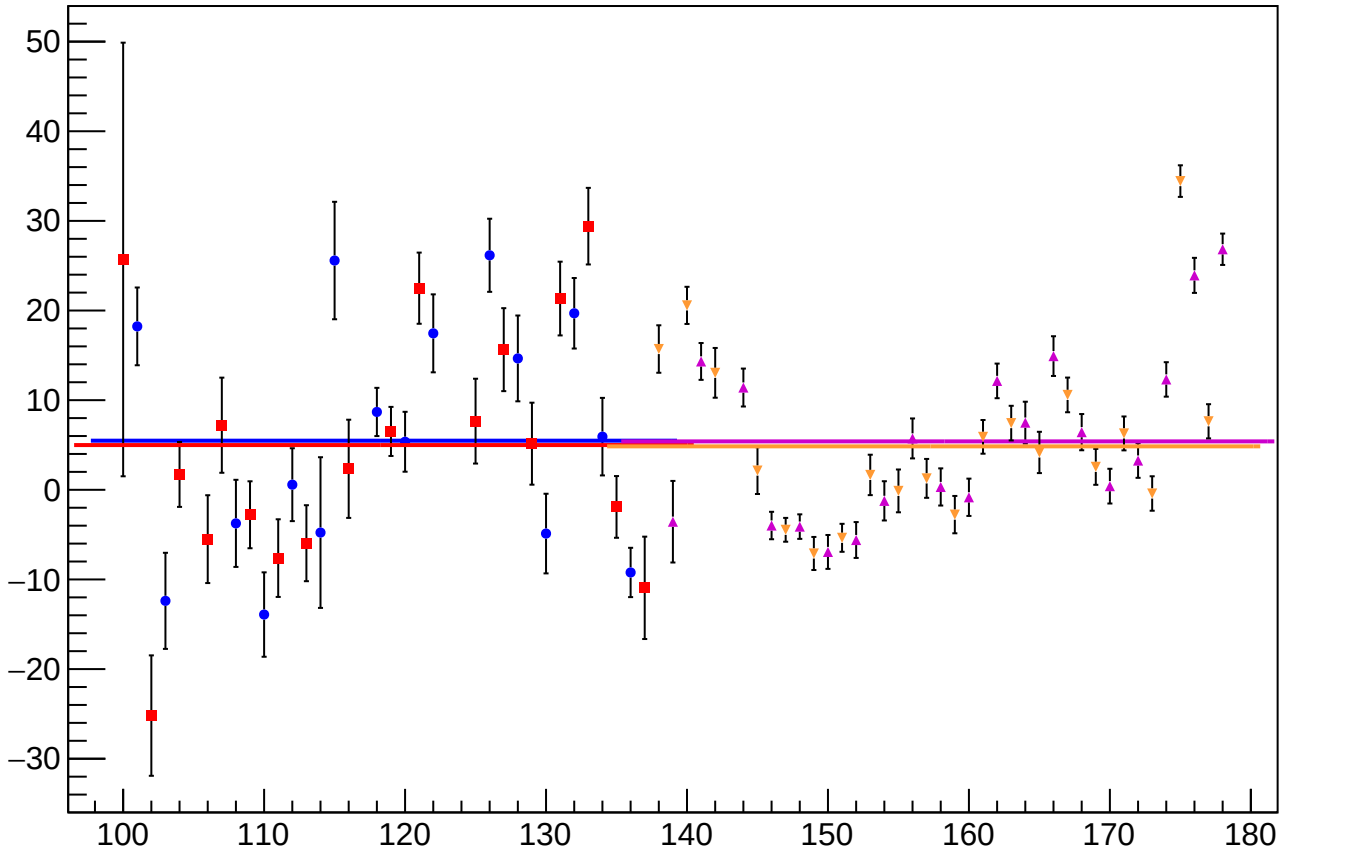
Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -39.756+/-0.593 χ^2/NDF:859.7/19

\+ sign -14.549+/-0.516 χ^2/NDF: 8996.5/35

All: -14.123+/-0.358 χ^2/NDF: 17888.0/73

\- sign -13.727+/-0.497 χ^2/NDF: 8890.2/37



Right In: 5.481+/-1.021 χ^2/NDF: 138.2/15

Left Out: 4.847+/-0.441 χ^2/NDF:544.8/19

Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

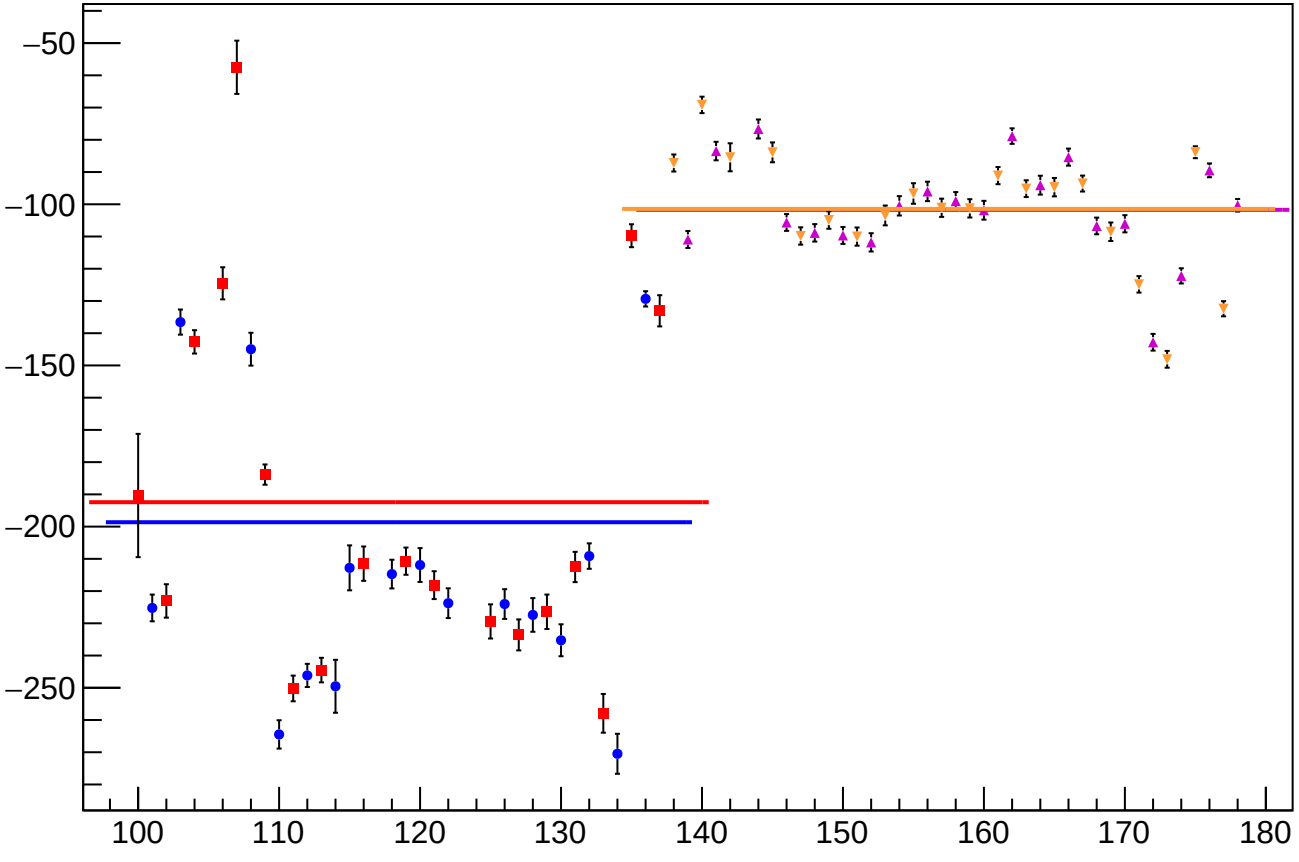
Left In: 5.403+/-0.440 χ^2/NDF:506.2/19

\+ sign 4.947+/-0.405 χ^2/NDF: 683.3/35

All: 5.143+/-0.286 χ^2/NDF: 1321.9/73

\- sign 5.338+/-0.404 χ^2/NDF: 638.1/37

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -101.432+/-0.600 χ^2/NDF:967.6/19

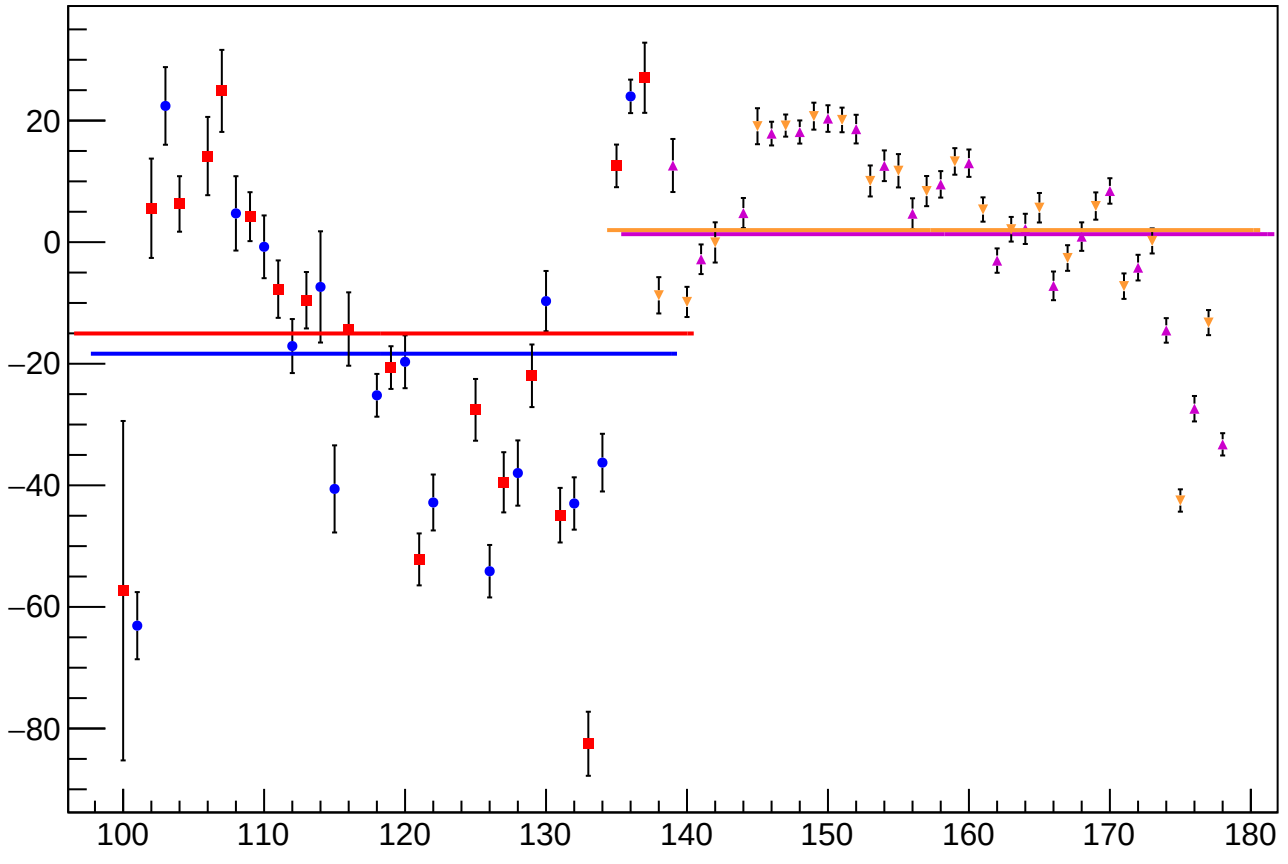
Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

Left In: -101.725+/-0.584 χ^2/NDF:661.4/19

+ sign -124.266+/-0.525 χ^2/NDF: 9129.6/35

All: -123.252+/-0.367 χ^2/NDF: 17394.7/73

- sign -122.280+/-0.514 χ^2/NDF: 8257.8/37



Right In: -18.348+/-1.159 χ^2/NDF: 543.9/15

Left Out: 1.983+/-0.502 χ^2/NDF:1040.3/19

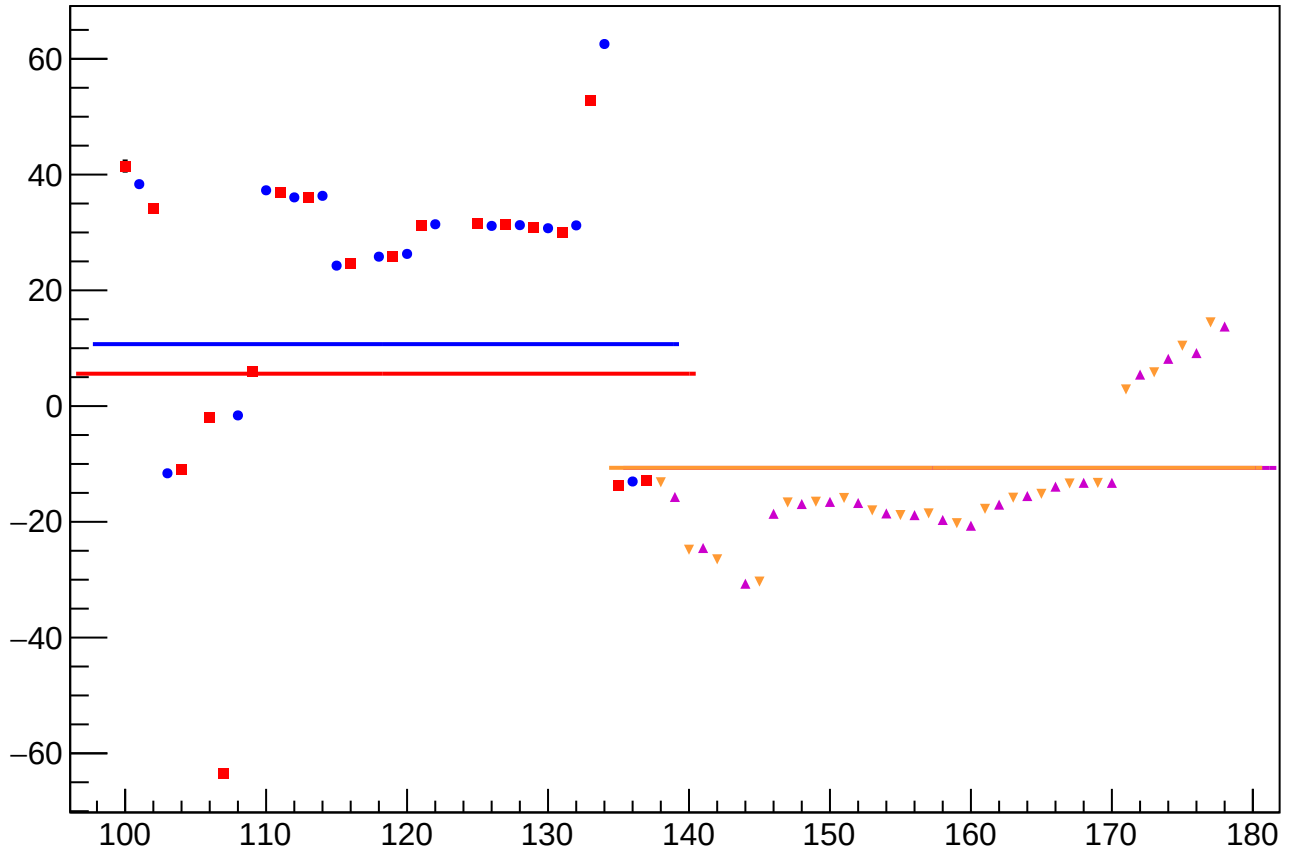
Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: 1.315+/-0.498 χ^2/NDF:994.6/19

\+ sign -1.226+/-0.461 χ^2/NDF: 1843.2/35

All: -1.224+/-0.325 χ^2/NDF: 3551.3/73

\- sign -1.222+/-0.458 χ^2/NDF: 1708.0/37



Right In: 10.704+/-0.063 χ^2/NDF: 164860.8/15

Left Out: -10.666+/-0.023 χ^2/NDF:302324.9/19

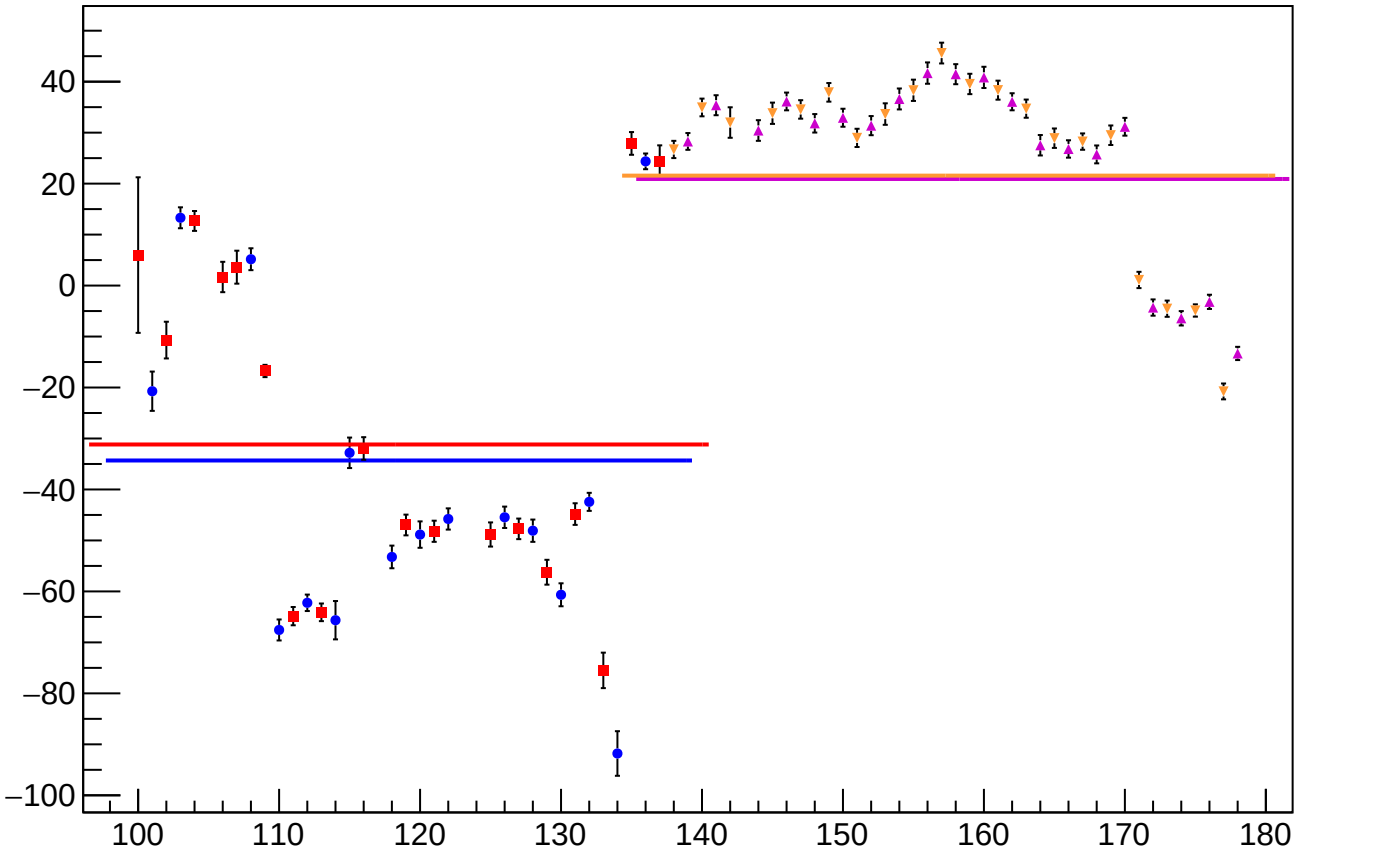
Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

Left In: -10.686+/-0.022 χ^2/NDF:309753.9/19

\+ sign -8.229+/-0.021 χ^2/NDF: 569436.7/35

All: -8.598+/-0.015 χ^2/NDF: 1093266.3/73

\- sign -8.951+/-0.021 χ^2/NDF: 523239.1/37



Right In: -34.315+/-0.548 χ^2/NDF: 3500.2/15

Left Out: 21.566+/-0.398 χ^2/NDF:2419.3/19

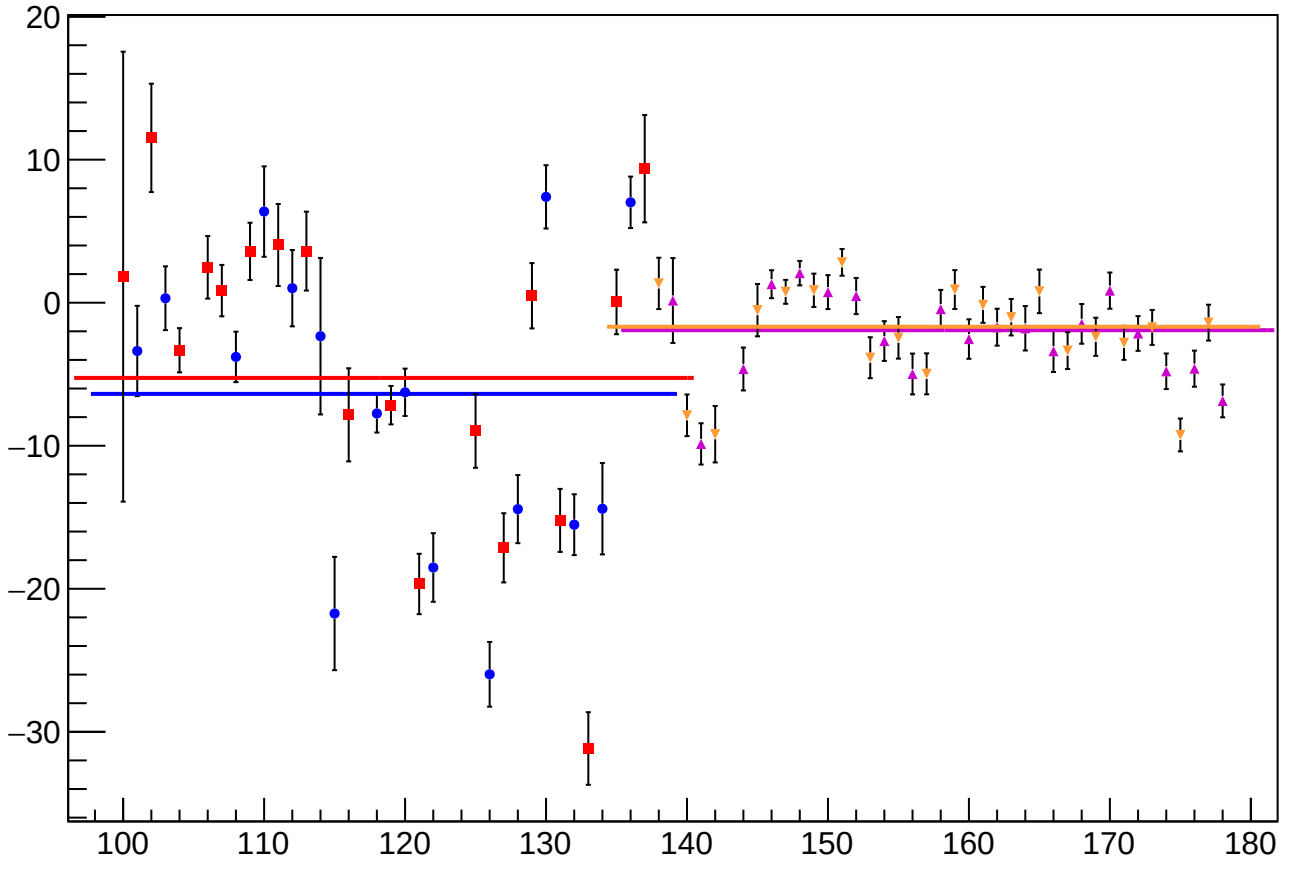
Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 20.911+/-0.387 χ^2/NDF:2410.4/19

+ sign 2.251+/-0.322 χ^2/NDF: 12729.4/35

All: 2.193+/-0.223 χ^2/NDF: 24864.0/73

- sign 2.139+/-0.310 χ^2/NDF: 12134.5/37



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

Left Out: -1.680+/-0.286 χ^2/NDF:134.7/19

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

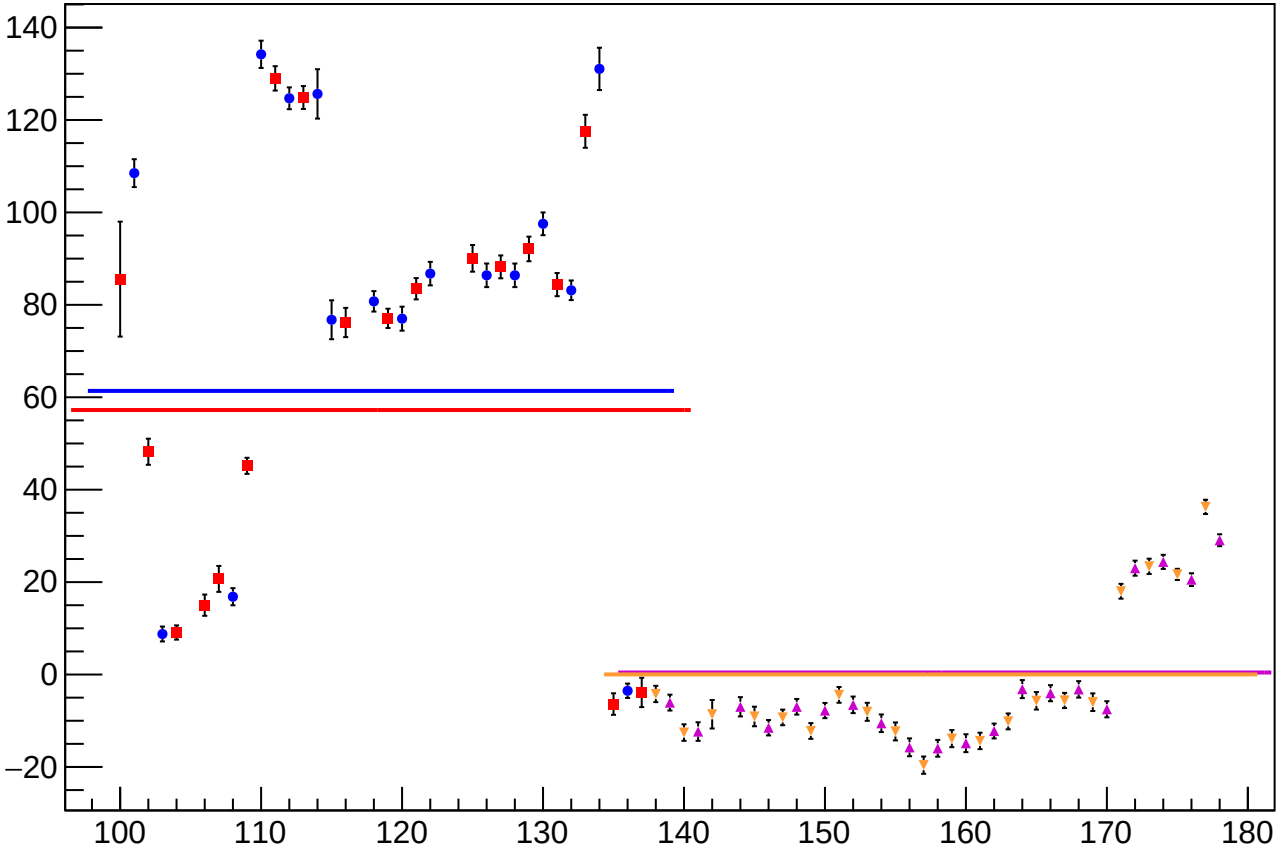
Left In: -1.921+/-0.286 χ^2/NDF:115.9/19

+ sign -2.667+/-0.254 χ^2/NDF: 475.1/35

All: -2.668+/-0.179 χ^2/NDF: 934.4/73

- sign -2.669+/-0.252 χ^2/NDF: 459.3/37

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 61.377+/-0.594 χ^2/NDF: 6066.8/15

Left Out: 0.030+/-0.391 χ^2/NDF:1724.2/19

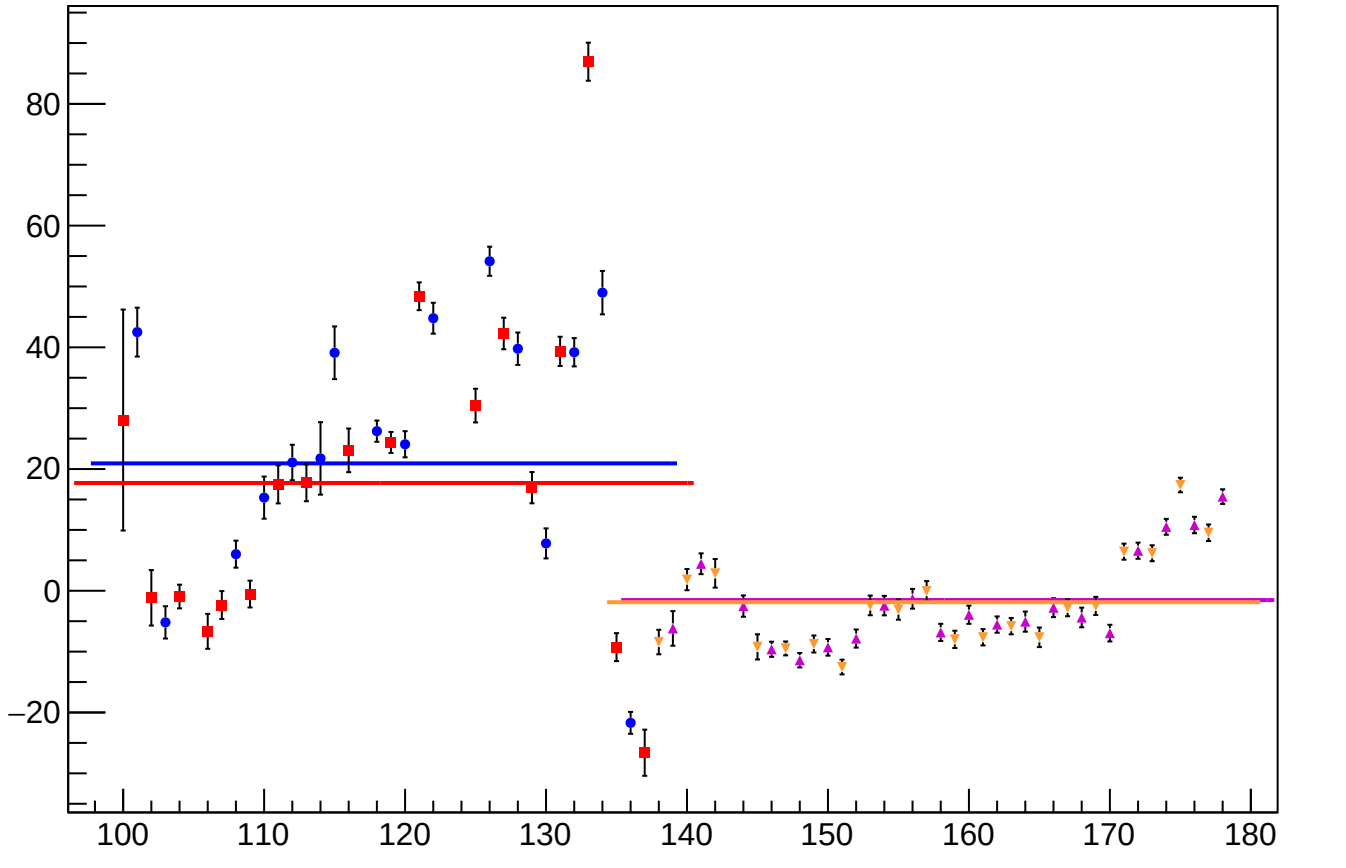
Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: 0.441+/-0.381 χ^2/NDF:1668.8/19

+ sign 18.558+/-0.327 χ^2/NDF: 15228.1/35

All: 18.052+/-0.228 χ^2/NDF: 28862.7/73

- sign 17.570+/-0.319 χ^2/NDF: 13629.9/37



Right In: 20.931+/-0.640 χ^2/NDF: 1245.4/15

Left Out: -1.880+/-0.326 χ^2/NDF:645.4/19

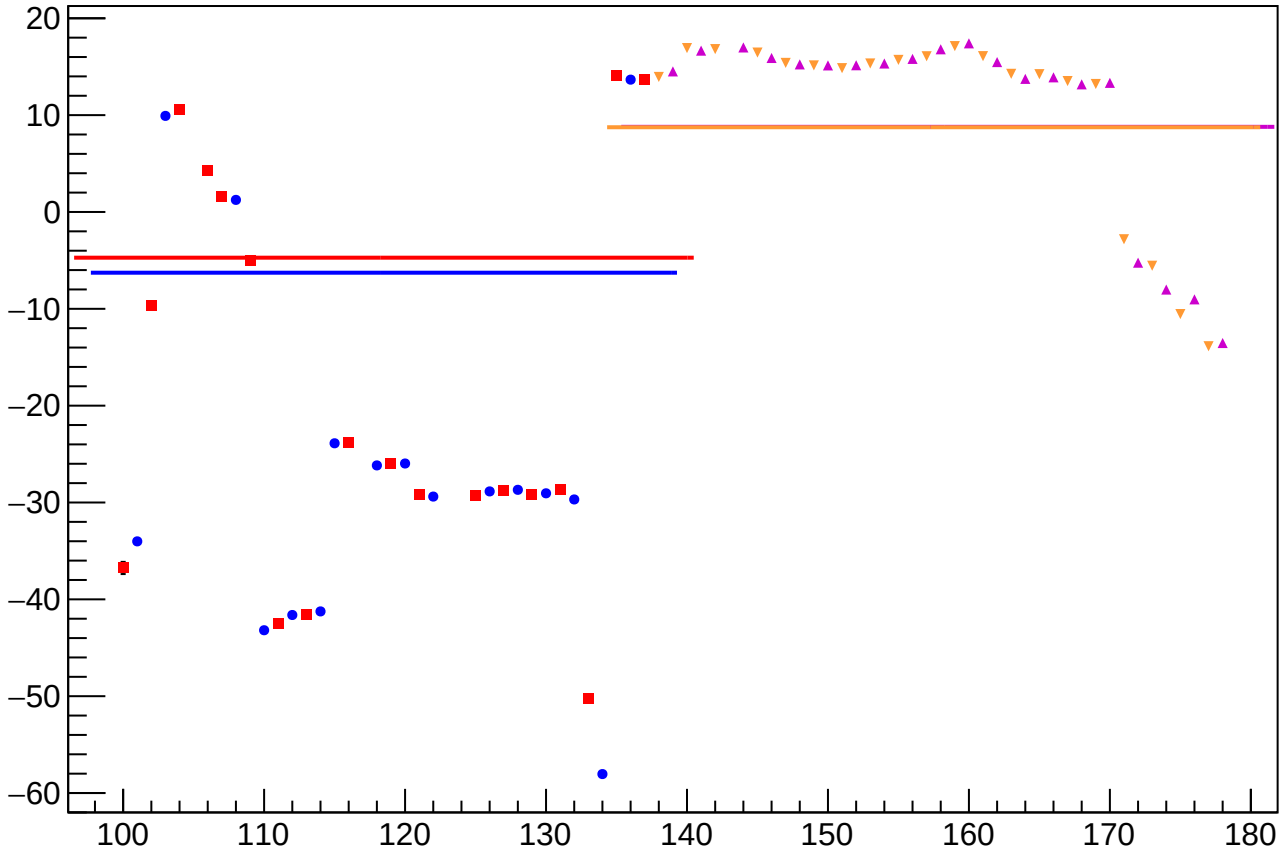
Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

Left In: -1.527+/-0.325 χ^2/NDF:631.3/19

+ sign 2.813+/-0.290 χ^2/NDF: 2899.4/35

All: 2.721+/-0.204 χ^2/NDF: 5772.1/73

- sign 2.631+/-0.287 χ^2/NDF: 2872.5/37



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 8.749+/-0.015 χ^2/NDF:534304.6/19

Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

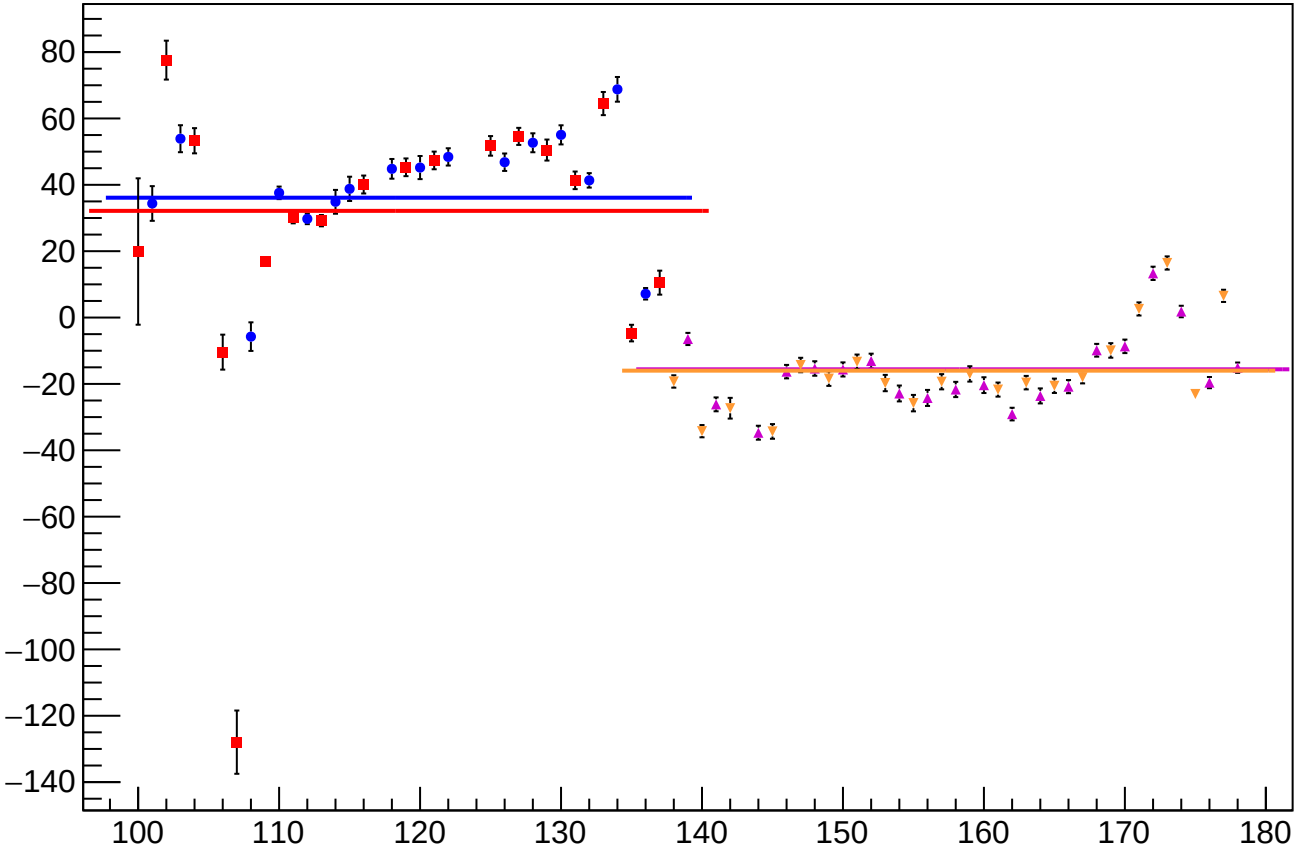
Left In: 8.791+/-0.014 χ^2/NDF:566827.3/19

+ sign 6.322+/-0.013 χ^2/NDF: 1114151.0/35

All: 6.528+/-0.009 χ^2/NDF: 2124371.3/73

- sign 6.726+/-0.013 χ^2/NDF: 1009758.2/37

reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 36.118+/-0.656 χ^2/NDF: 622.8/15

Left Out: -16.002+/-0.463 χ^2/NDF:755.5/19

Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

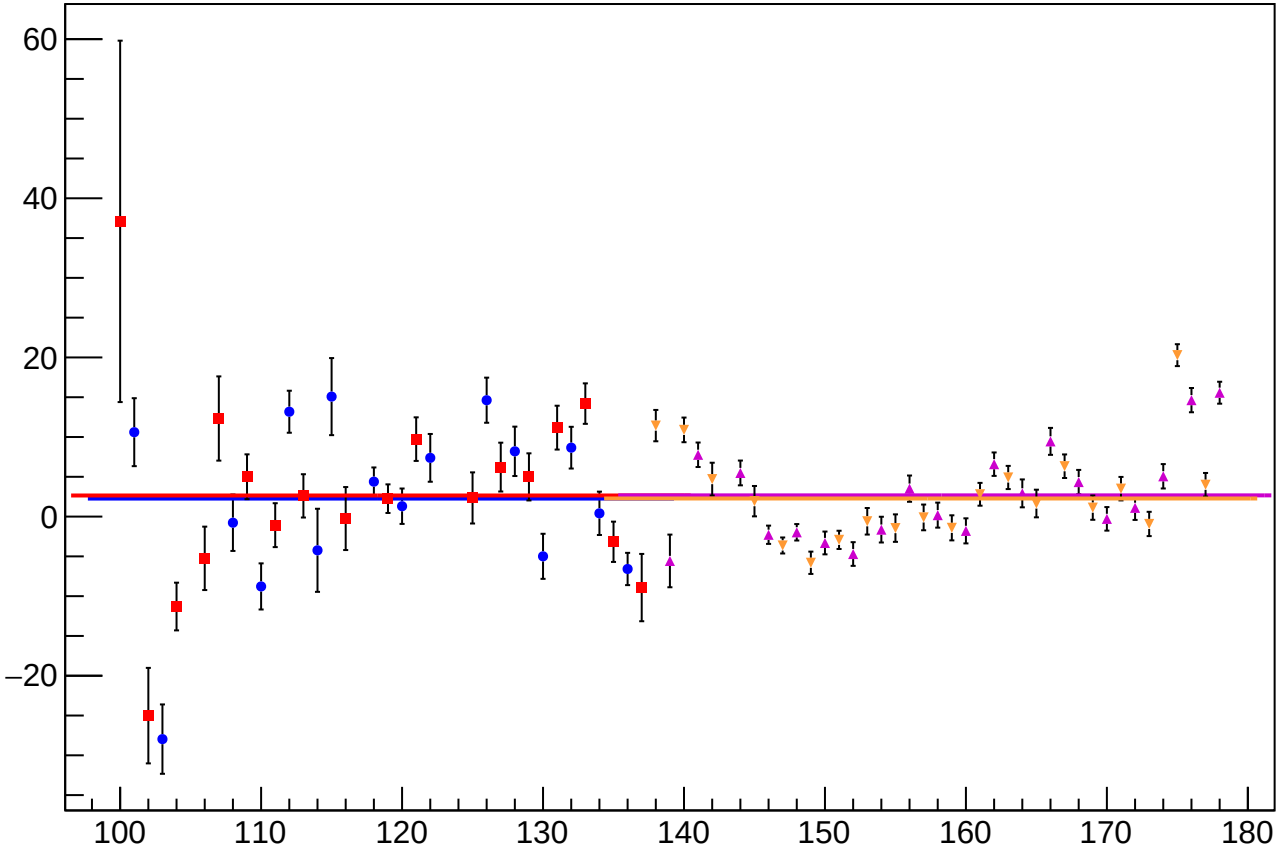
Left In: -15.596+/-0.451 χ^2/NDF:571.2/19

\+ sign 1.297+/-0.378 χ^2/NDF: 5590.2/35

All: 0.914+/-0.263 χ^2/NDF: 11071.5/73

\- sign 0.554+/-0.367 χ^2/NDF: 5479.3/37

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 2.265+/-0.701 χ^2/NDF: 152.0/15

Left Out: 2.274+/-0.334 χ^2/NDF:346.9/19

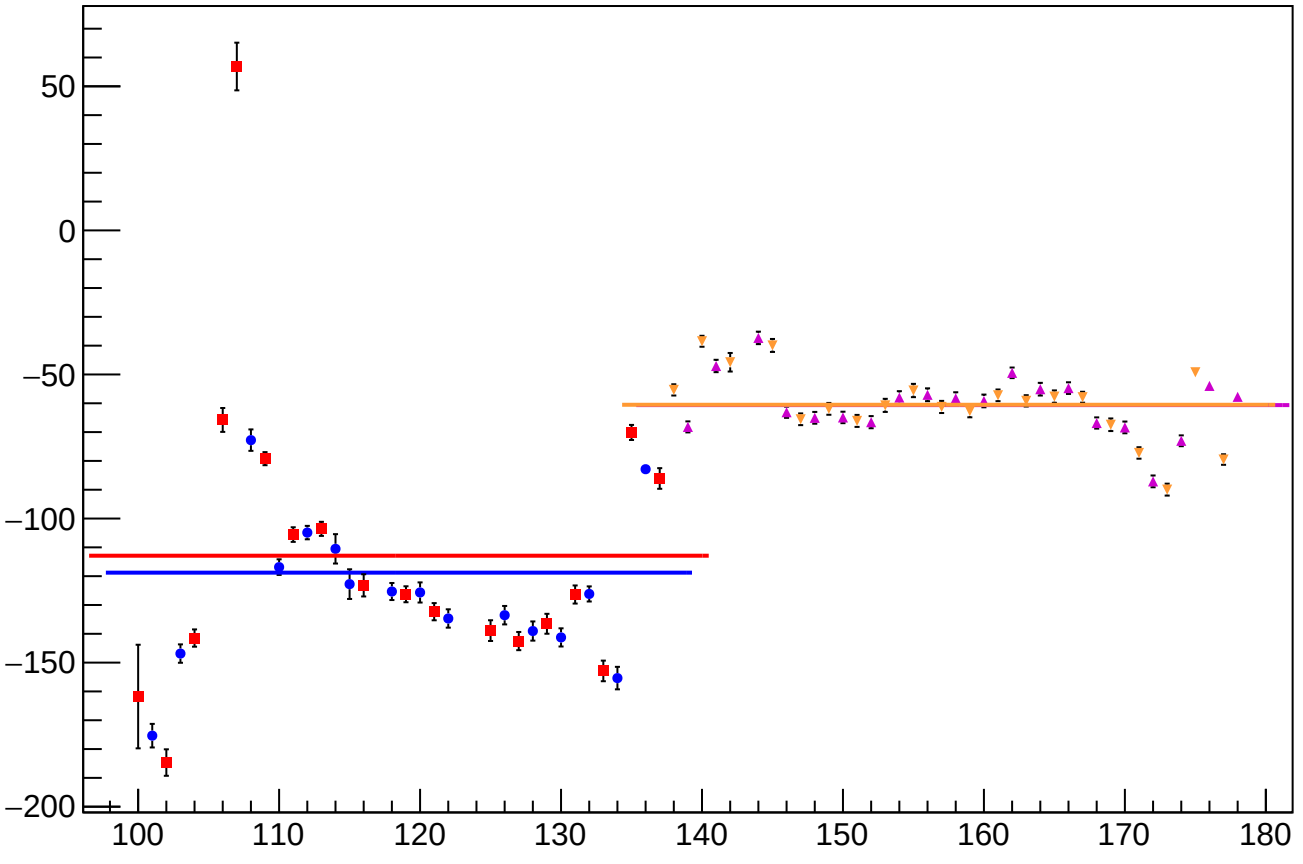
Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

Left In: 2.667+/-0.334 χ^2/NDF:300.1/19

+ sign 2.272+/-0.301 χ^2/NDF: 499.0/35

All: 2.467+/-0.214 χ^2/NDF: 907.1/73

- sign 2.664+/-0.303 χ^2/NDF: 407.4/37



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -60.516+/-0.455 χ^2/NDF:723.8/19

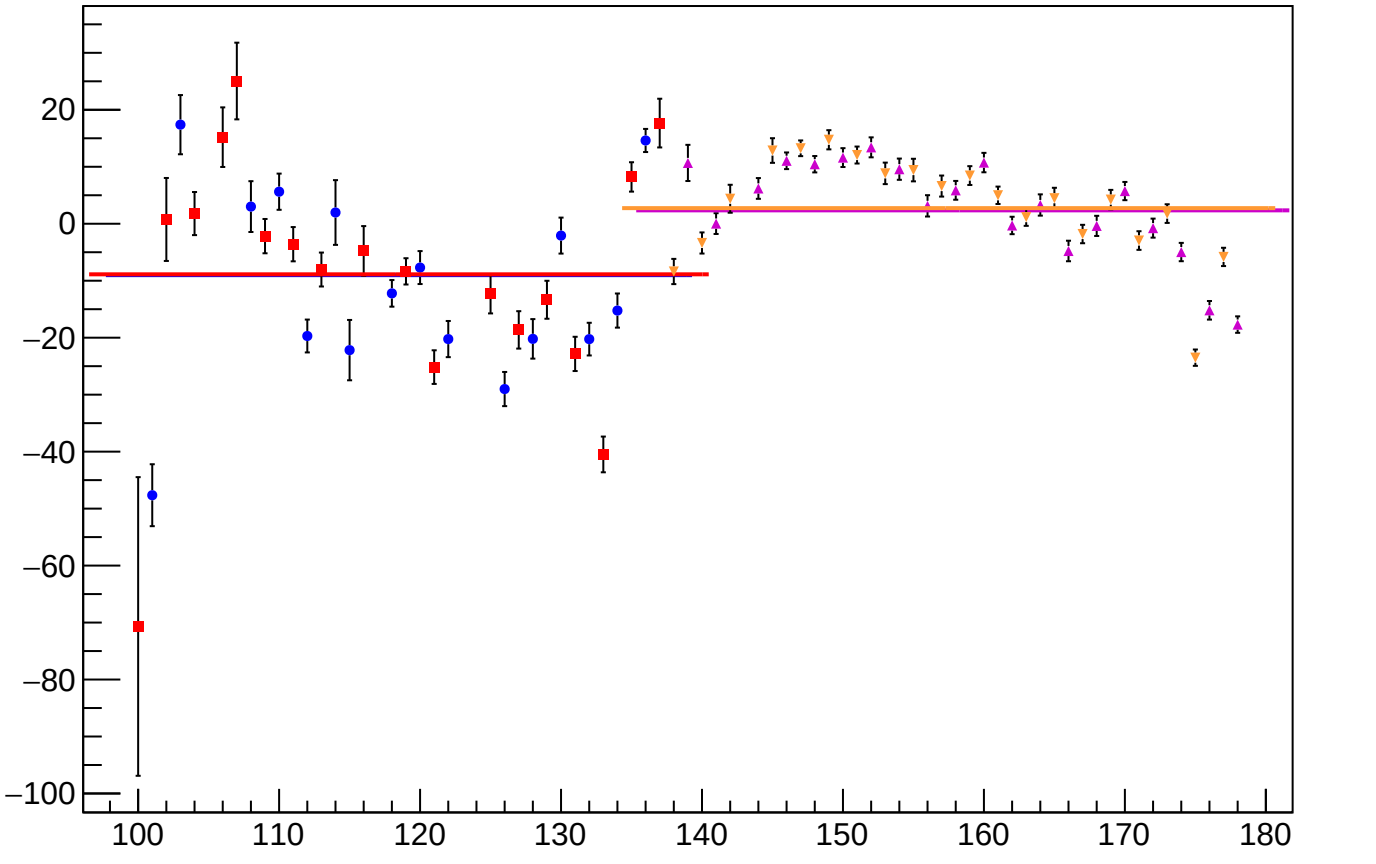
Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -60.633+/-0.444 χ^2/NDF:502.6/19

+ sign -75.973+/-0.390 χ^2/NDF: 6197.3/35

All: -74.927+/-0.273 χ^2/NDF: 12095.8/73

- sign -73.914+/-0.384 χ^2/NDF: 5884.3/37



Right In: -9.022+/-0.796 χ^2/NDF: 358.0/15

Left Out: 2.739+/-0.381 χ^2/NDF:633.9/19

Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

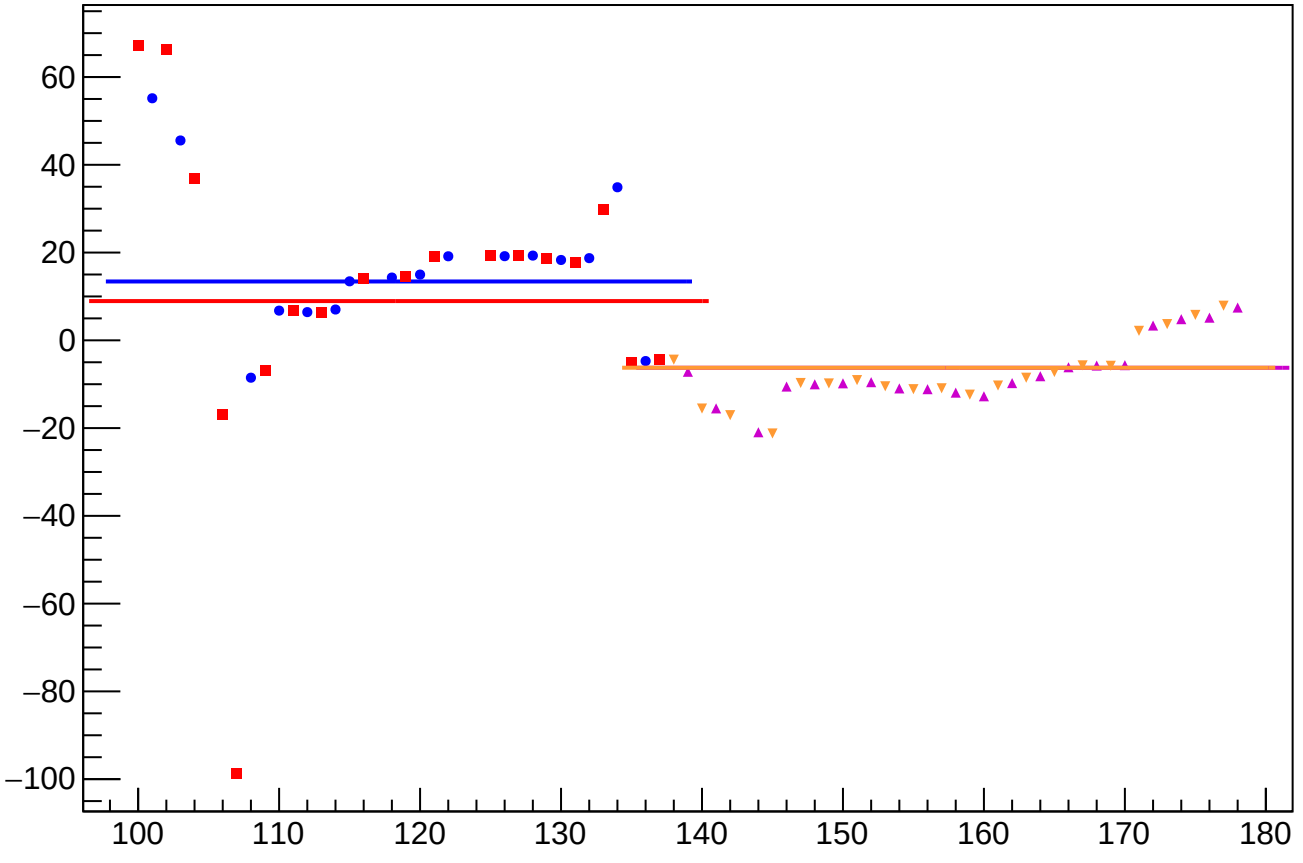
Left In: 2.350+/-0.379 χ^2/NDF:553.2/19

+ sign 0.550+/-0.343 χ^2/NDF: 1169.7/35

All: 0.443+/-0.243 χ^2/NDF: 2199.4/73

- sign 0.335+/-0.343 χ^2/NDF: 1029.5/37

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -6.246+/-0.017 χ^2/NDF:188022.6/19

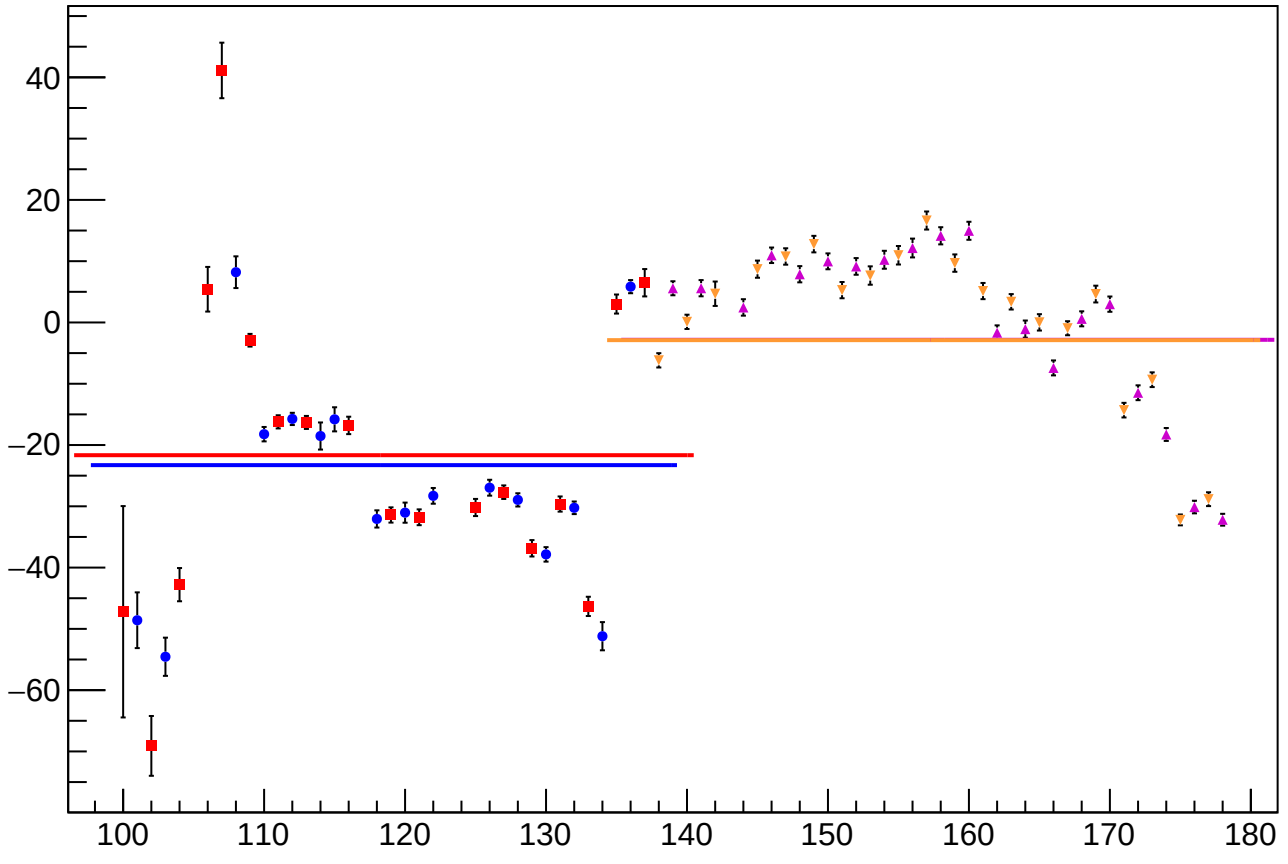
Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -6.257+/-0.017 χ^2/NDF:182960.6/19

+ sign -3.795+/-0.016 χ^2/NDF: 536694.2/35

All: -4.195+/-0.011 χ^2/NDF: 1103516.9/73

- sign -4.582+/-0.016 χ^2/NDF: 565592.6/37



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: -2.885+/-0.286 χ^2/NDF:2604.2/19

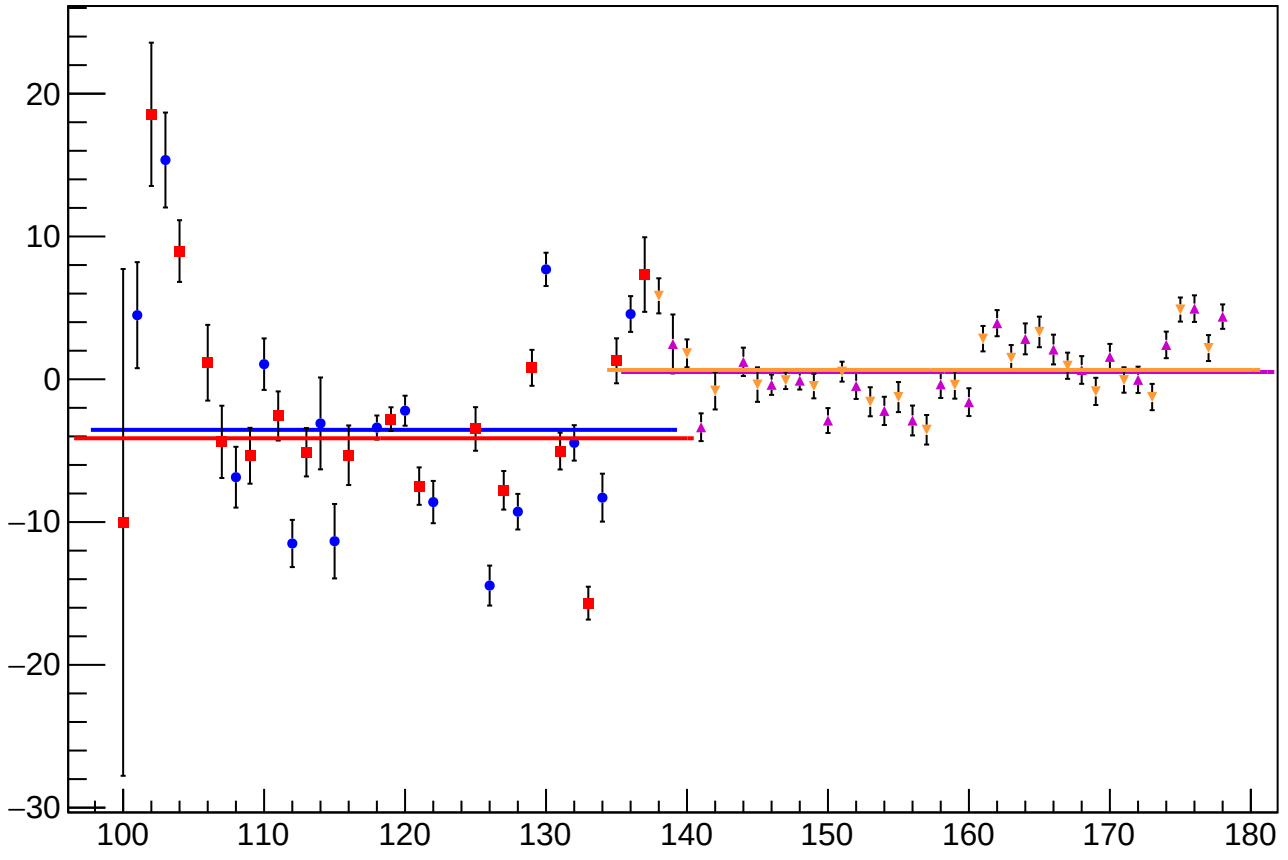
Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: -2.829+/-0.279 χ^2/NDF:2875.8/19

+ sign -11.026+/-0.221 χ^2/NDF: 6208.0/35

All: -10.606+/-0.155 χ^2/NDF: 12693.2/73

- sign -10.201+/-0.217 χ^2/NDF: 6478.1/37



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 0.654+/-0.206 χ^2/NDF:98.5/19

Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

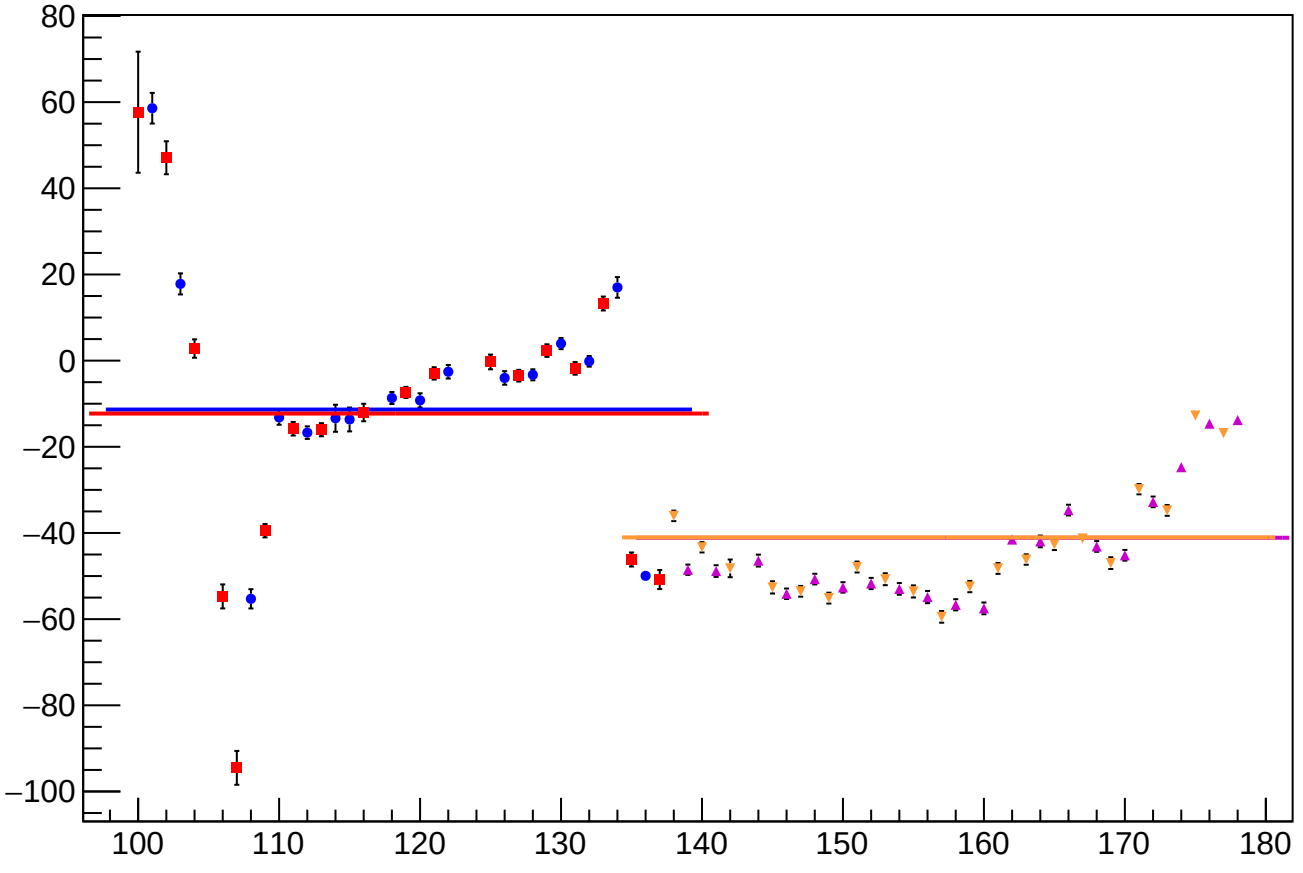
Left In: 0.510+/-0.206 χ^2/NDF:129.7/19

+ sign -0.367+/-0.179 χ^2/NDF: 516.5/35

All: -0.476+/-0.127 χ^2/NDF: 994.2/73

- sign -0.586+/-0.180 χ^2/NDF: 476.9/37

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -41.036+/-0.281 χ^2/NDF:2415.3/19

Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

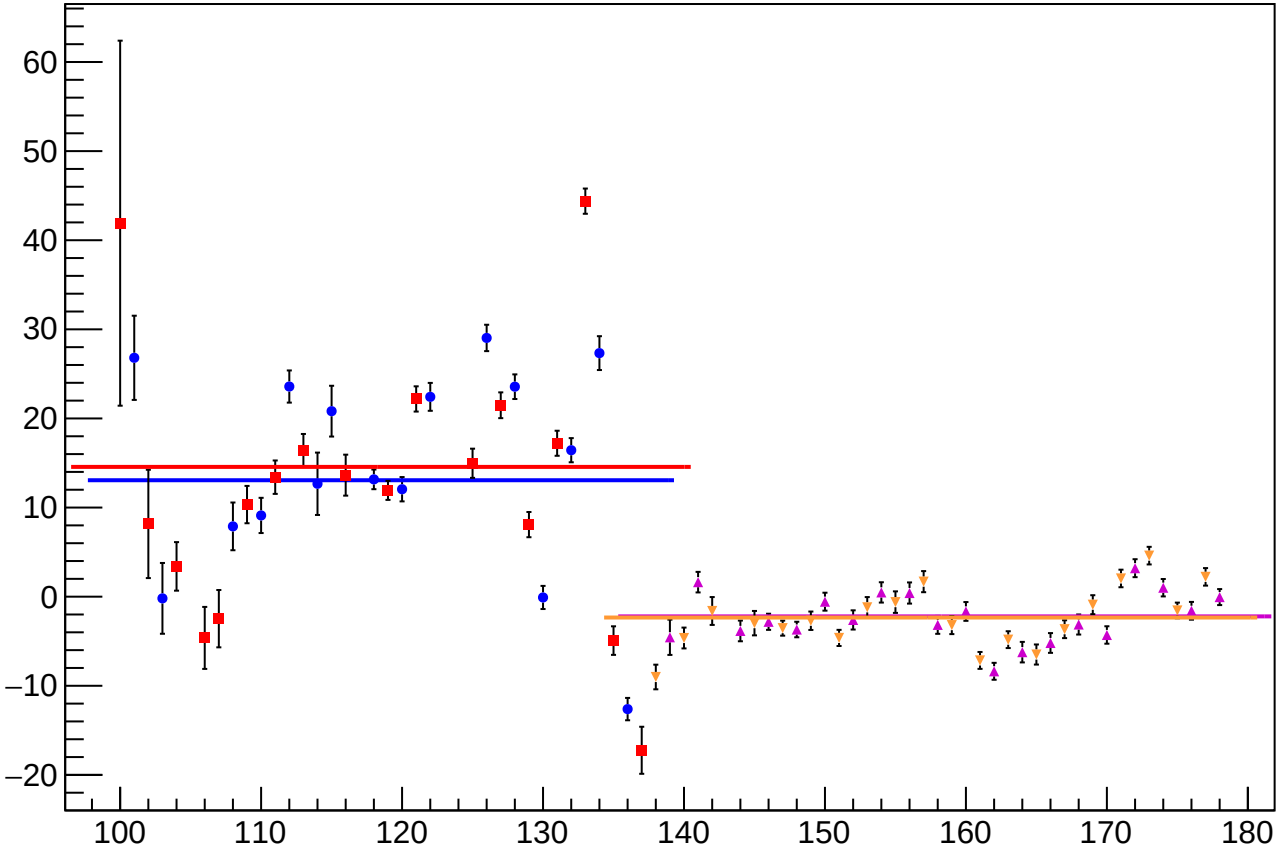
Left In: -41.110+/-0.274 χ^2/NDF:2662.1/19

+ sign -31.427+/-0.231 χ^2/NDF: 8696.9/35

All: -31.861+/-0.162 χ^2/NDF: 17335.2/73

- sign -32.286+/-0.229 χ^2/NDF: 8631.3/37

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -2.340+/-0.235 χ^2/NDF:192.8/19

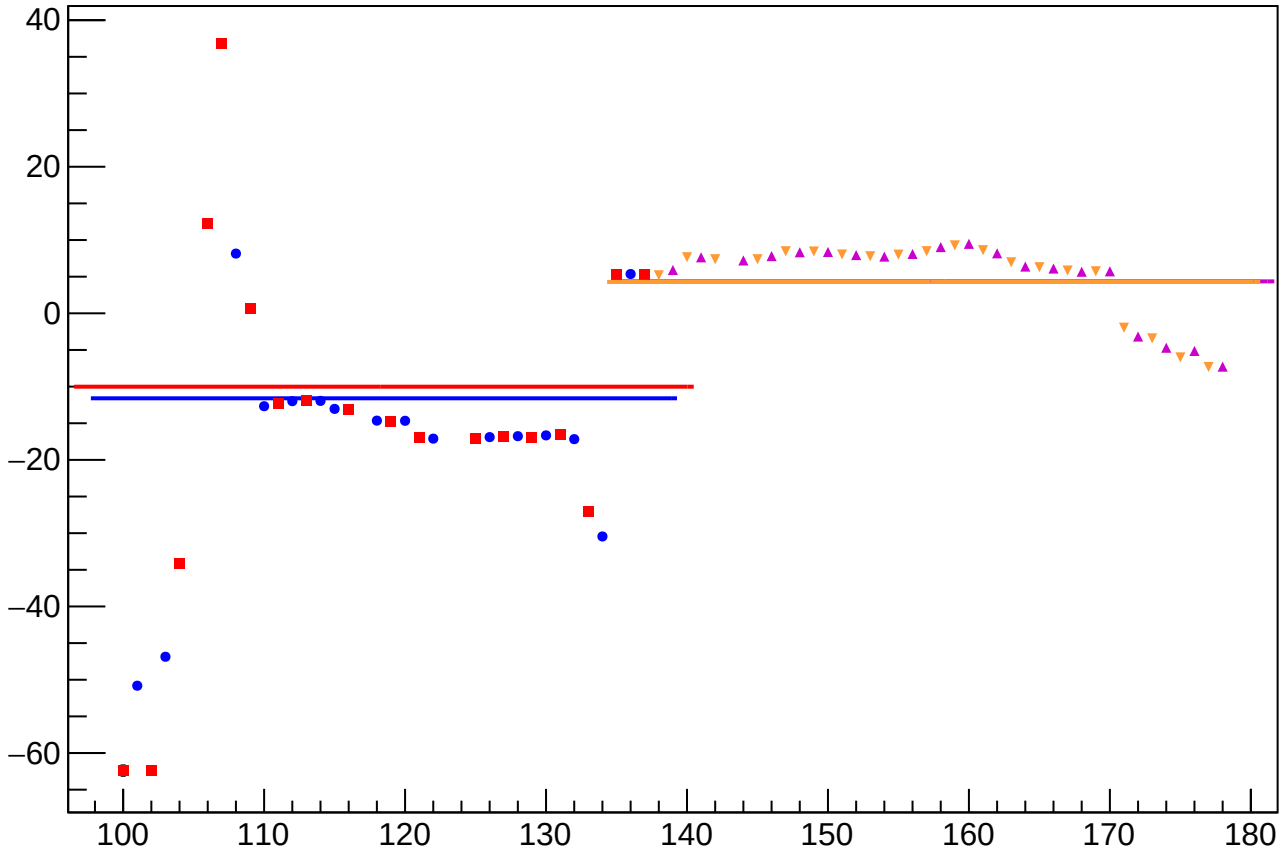
Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -2.212+/-0.234 χ^2/NDF:144.8/19

+ sign 1.393+/-0.204 χ^2/NDF: 2101.9/35

All: 1.557+/-0.145 χ^2/NDF: 4357.9/73

- sign 1.721+/-0.205 χ^2/NDF: 2254.7/37



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 4.284+/-0.011 χ^2/NDF:276906.5/19

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

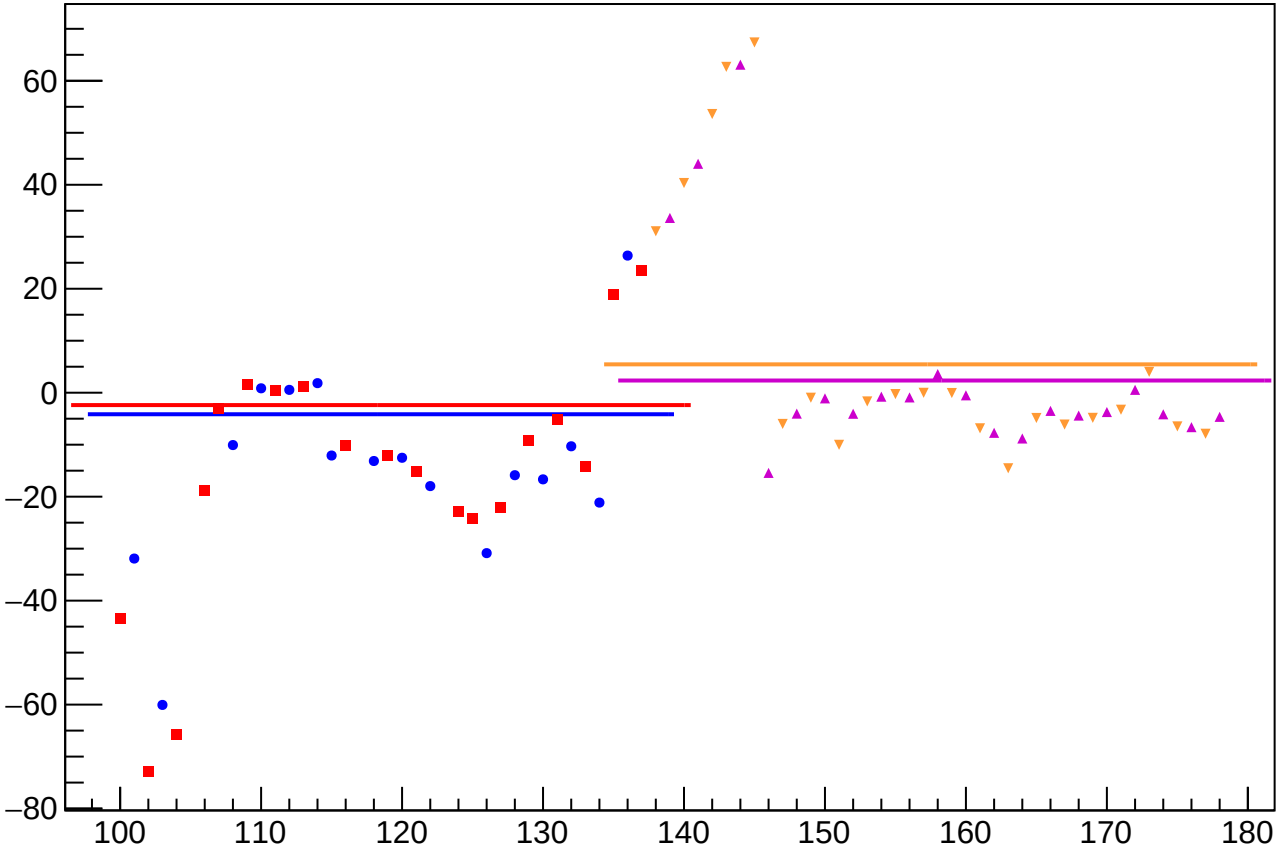
Left In: 4.360+/-0.010 χ^2/NDF:288019.0/19

+ sign 2.087+/-0.010 χ^2/NDF: 951309.2/35

All: 2.340+/-0.007 χ^2/NDF: 1877278.9/73

- sign 2.585+/-0.010 χ^2/NDF: 924653.2/37

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 5.455+/-0.051 χ^2/NDF:166767.9/20

Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

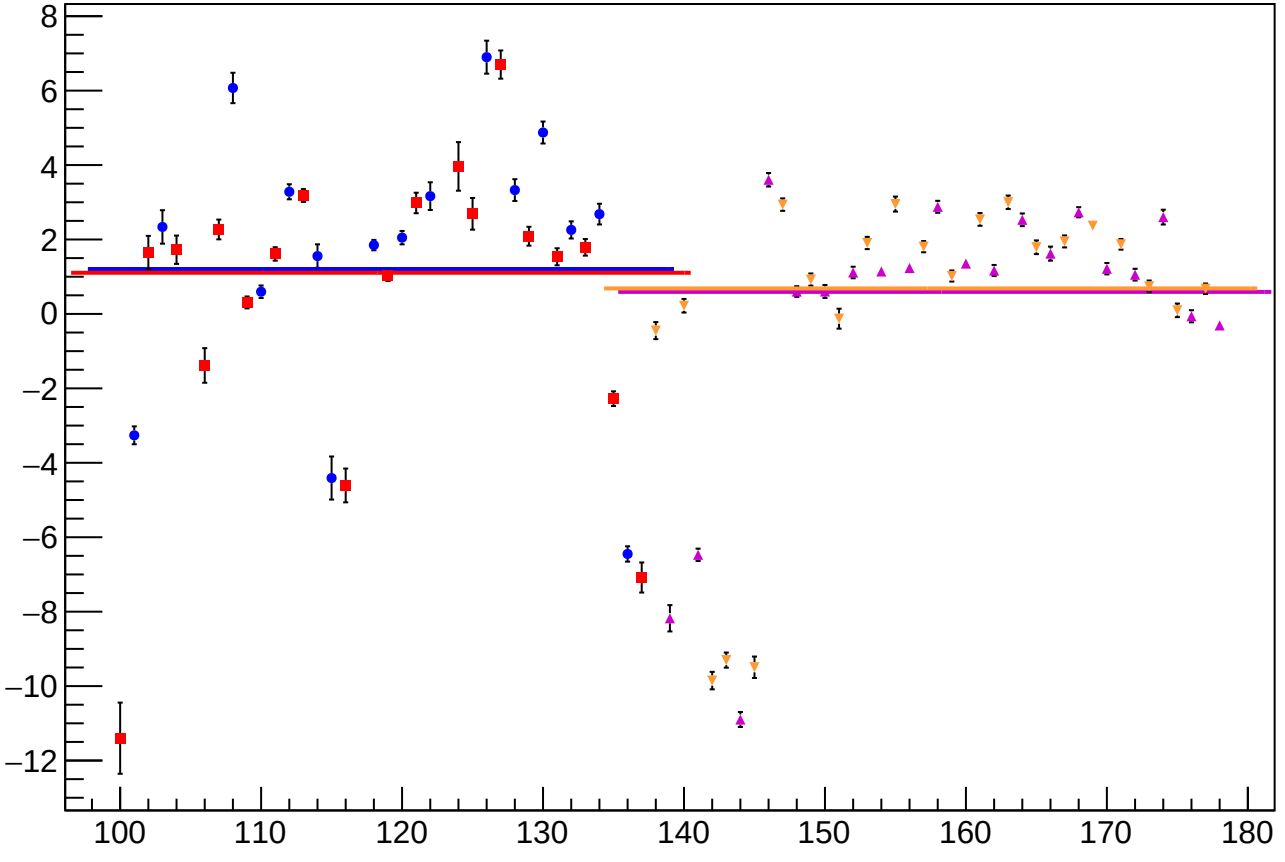
Left In: 2.345+/-0.046 χ^2/NDF:128467.6/19

+ sign 0.993+/-0.037 χ^2/NDF: 258528.5/36

All: 0.433+/-0.024 χ^2/NDF: 473452.5/75

- sign 0.010+/-0.032 χ^2/NDF: 214527.6/38

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/15

Left Out: 0.685+/-0.038 χ^2/NDF:6746.9/20

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

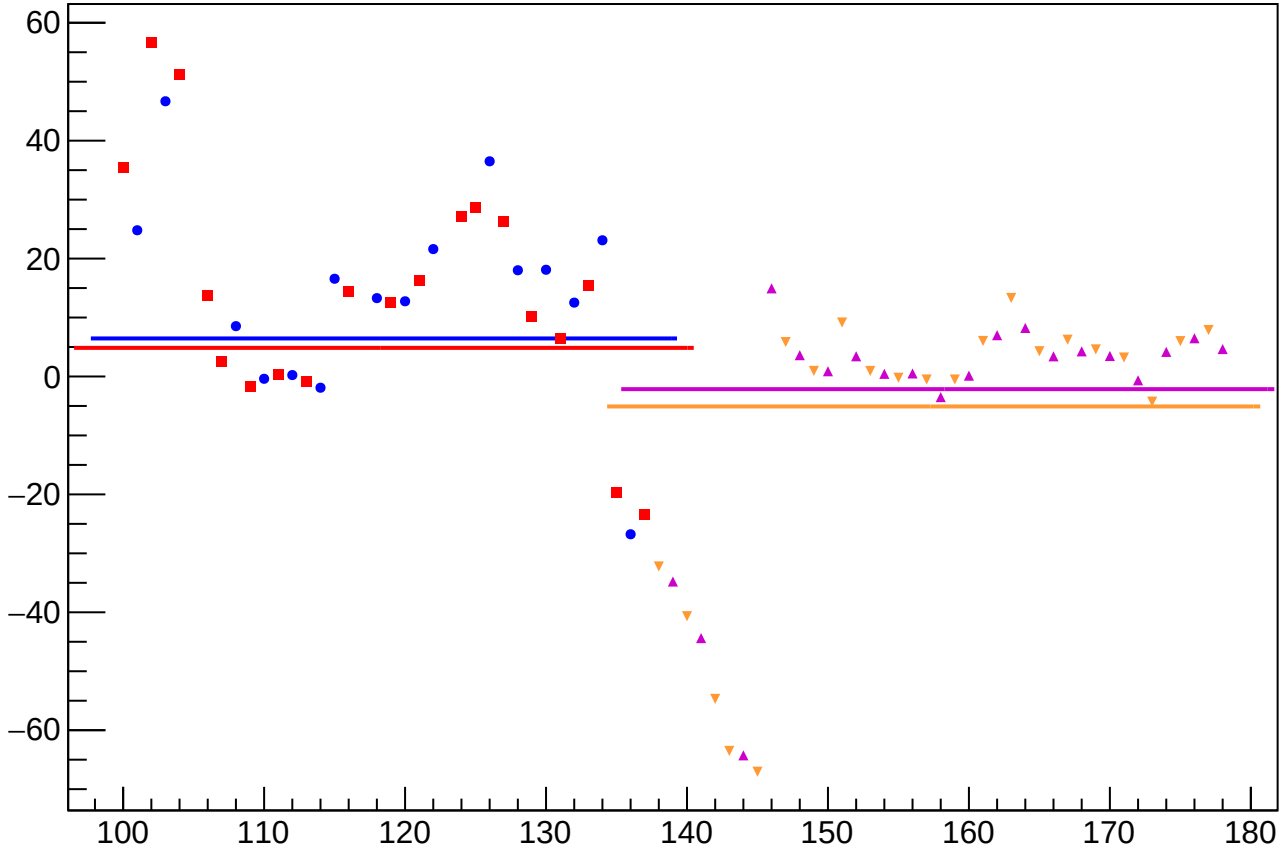
Left In: 0.592+/-0.034 χ^2/NDF:6892.3/19

+ sign 0.832+/-0.032 χ^2/NDF: 9384.7/36

All: 0.774+/-0.022 χ^2/NDF: 17929.8/75

- sign 0.726+/-0.029 χ^2/NDF: 8539.1/38

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -5.086+/-0.050 χ^2/NDF:161430.1/20

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

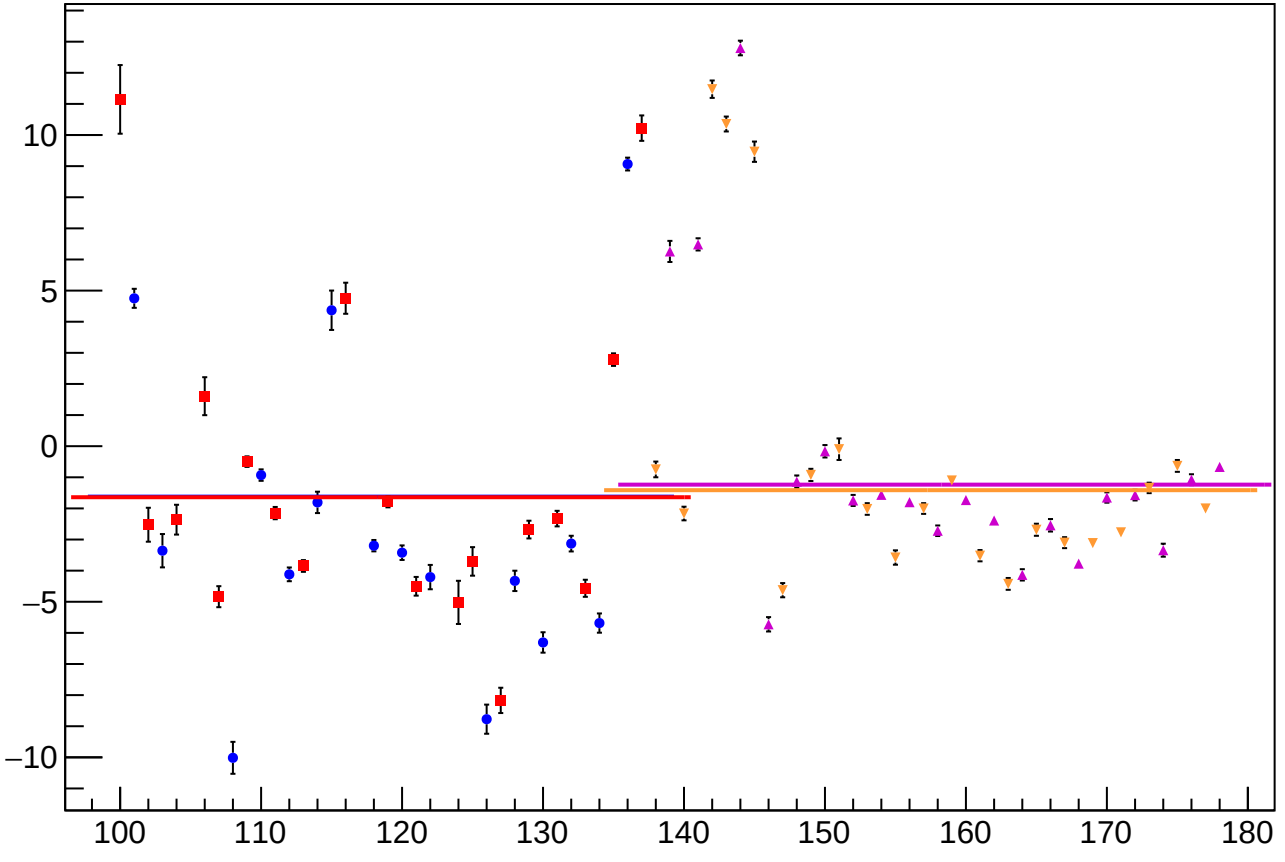
Left In: -2.147+/-0.044 χ^2/NDF:125431.9/19

+ sign -0.791+/-0.040 χ^2/NDF: 251757.7/36

All: -0.139+/-0.027 χ^2/NDF: 461885.5/75

- sign 0.382+/-0.036 χ^2/NDF: 209643.7/38

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: -1.414+/-0.042 χ^2/NDF:6740.6/20

Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

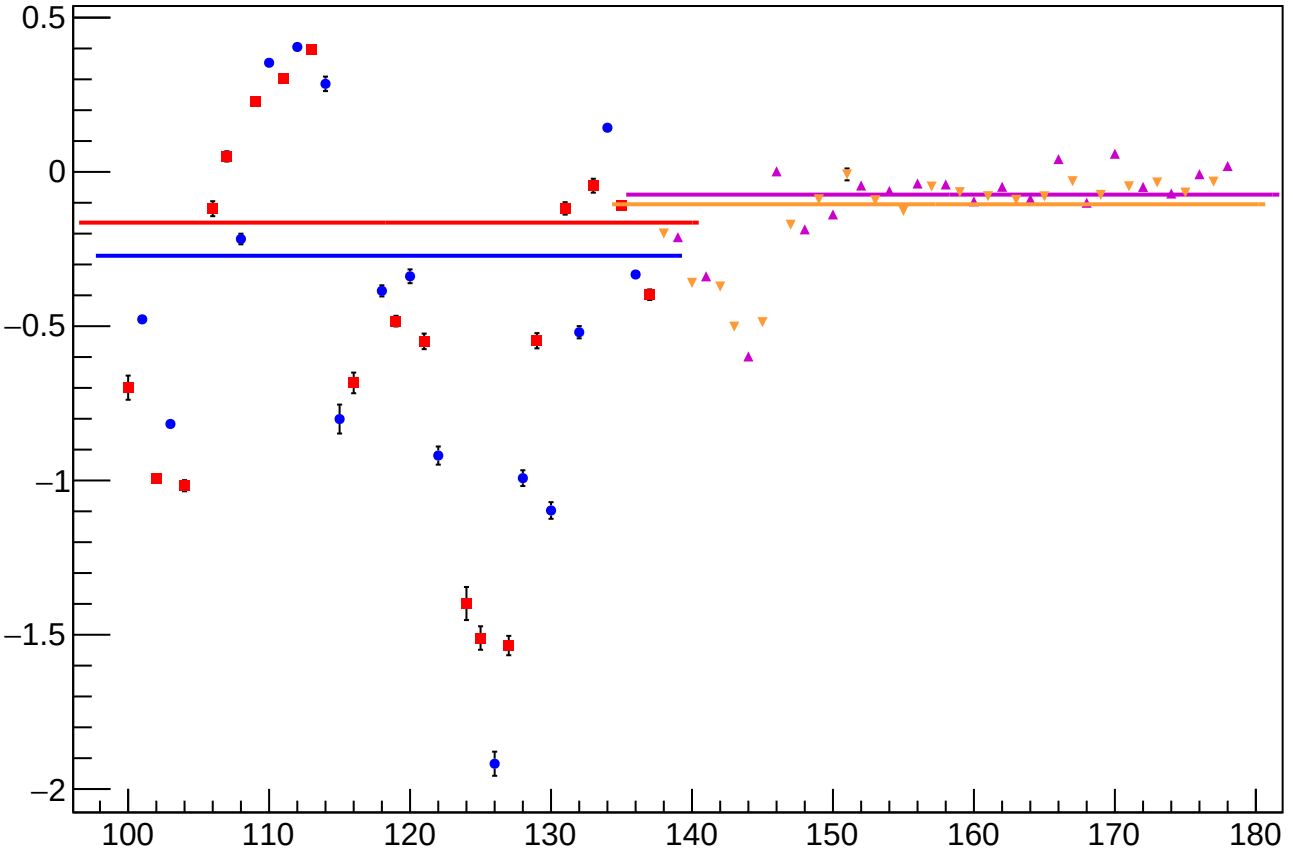
Left In: -1.236+/-0.038 χ^2/NDF:6856.5/19

+ sign -1.470+/-0.036 χ^2/NDF: 11272.3/36

All: -1.399+/-0.024 χ^2/NDF: 20627.2/75

- sign -1.340+/-0.033 χ^2/NDF: 9347.8/38

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.105+/-0.002 χ^2/NDF:3632.3/20

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

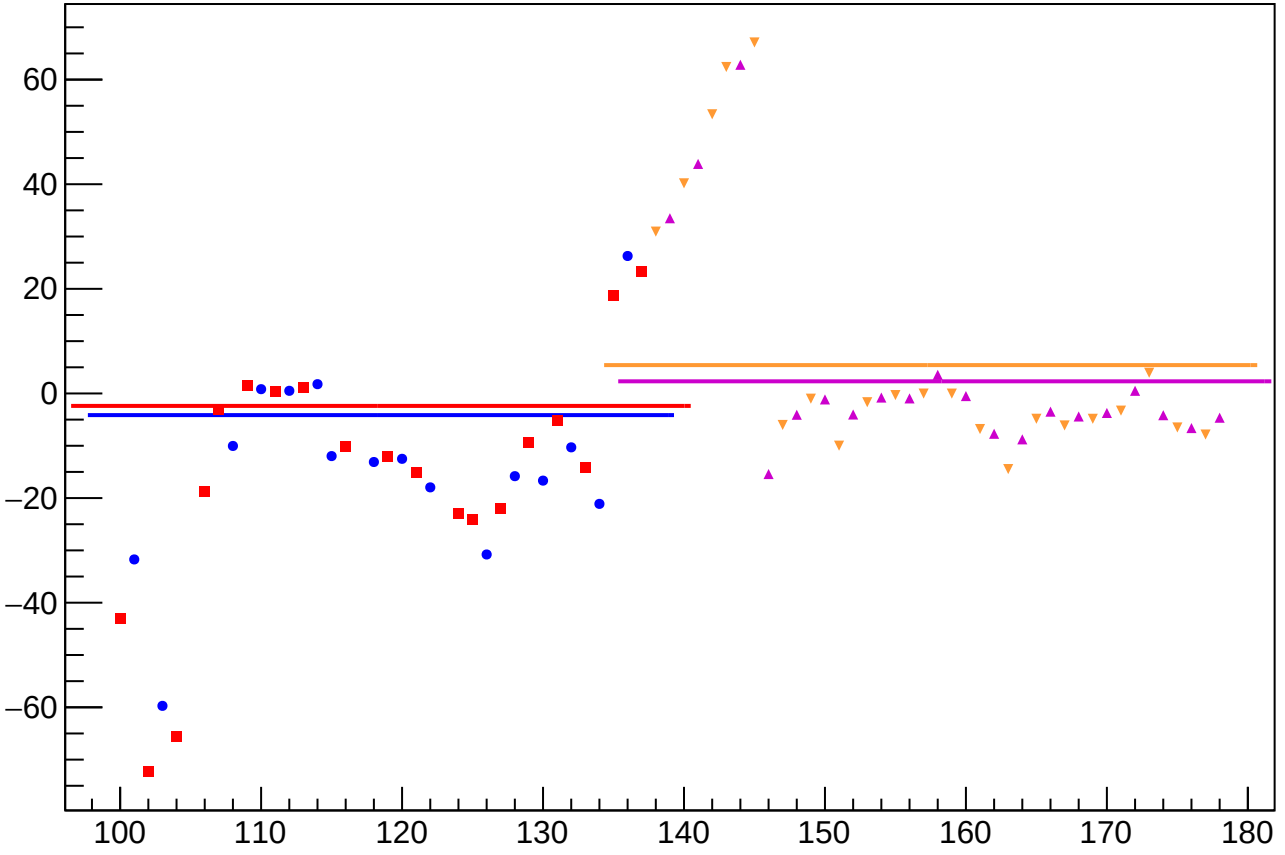
Left In: -0.074+/-0.002 χ^2/NDF:4011.9/19

+ sign -0.133+/-0.002 χ^2/NDF: 17024.4/36

All: -0.107+/-0.001 χ^2/NDF: 37417.6/75

- sign -0.088+/-0.001 χ^2/NDF: 19992.2/38

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 5.420+/-0.051 χ^2/NDF:166537.8/20

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

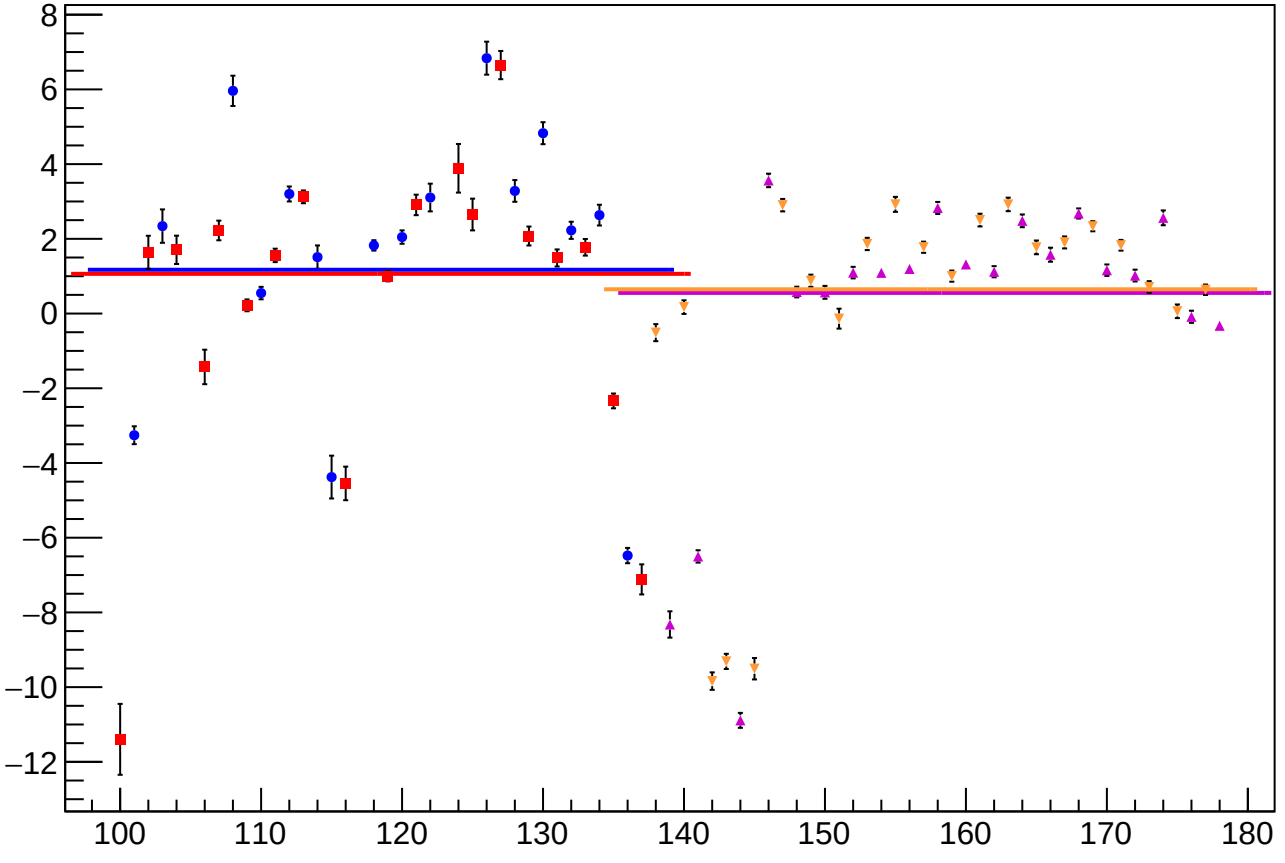
Left In: 2.319+/-0.045 χ^2/NDF:128350.9/19

+ sign 0.964+/-0.037 χ^2/NDF: 258294.0/36

All: 0.409+/-0.024 χ^2/NDF: 473005.1/75

- sign -0.011+/-0.032 χ^2/NDF: 214318.1/38

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: 0.649+/-0.038 χ^2/NDF:6751.0/20

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

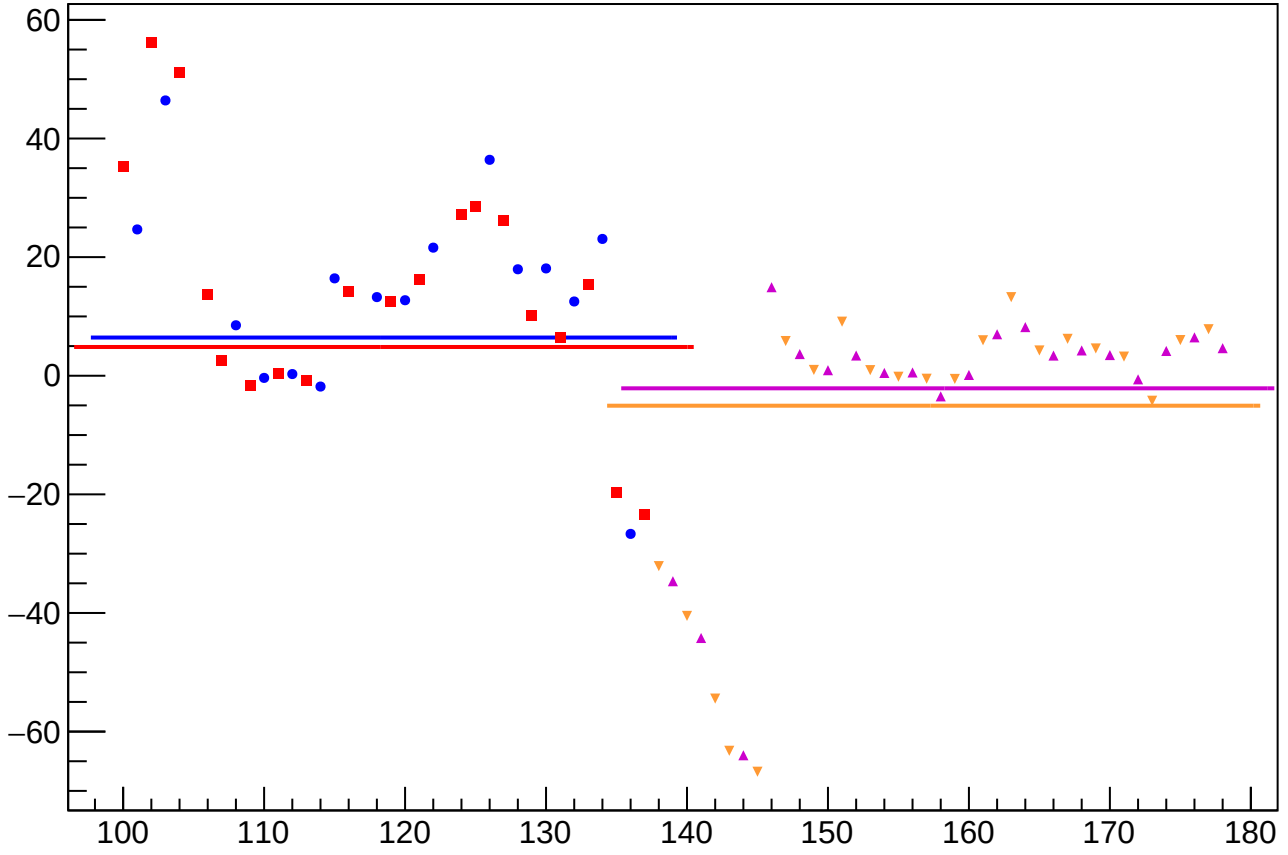
Left In: 0.552+/-0.034 χ^2/NDF:6905.9/19

+ sign 0.797+/-0.032 χ^2/NDF: 9389.7/36

All: 0.736+/-0.022 χ^2/NDF: 17958.1/75

- sign 0.686+/-0.029 χ^2/NDF: 8561.8/38

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -5.052+/-0.050 χ^2/NDF:161204.7/20

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

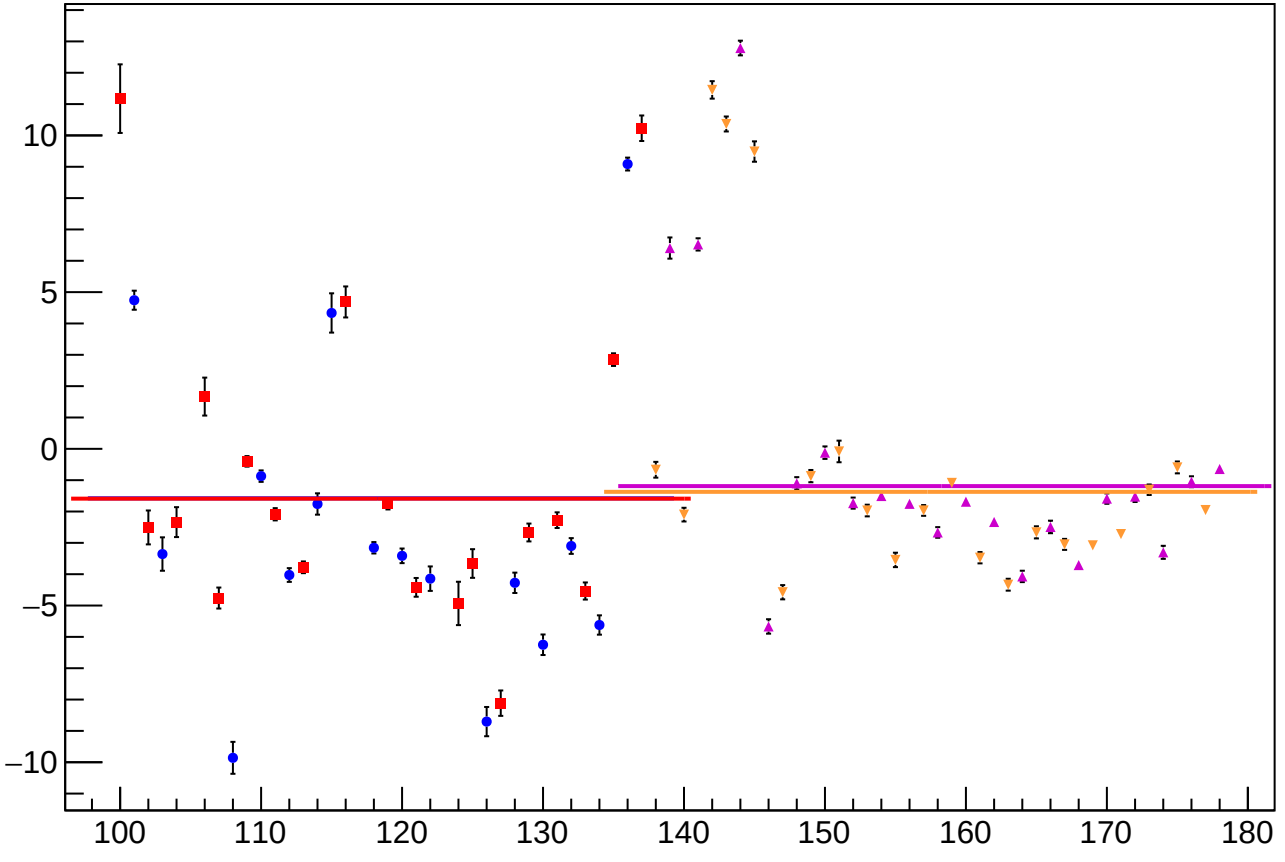
Left In: -2.121+/-0.044 χ^2/NDF:125313.4/19

+ sign -0.762+/-0.040 χ^2/NDF: 251523.3/36

All: -0.113+/-0.026 χ^2/NDF: 461428.5/75

- sign 0.406+/-0.035 χ^2/NDF: 209421.9/38

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: -1.372+/-0.042 χ^2/NDF:6739.1/20

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

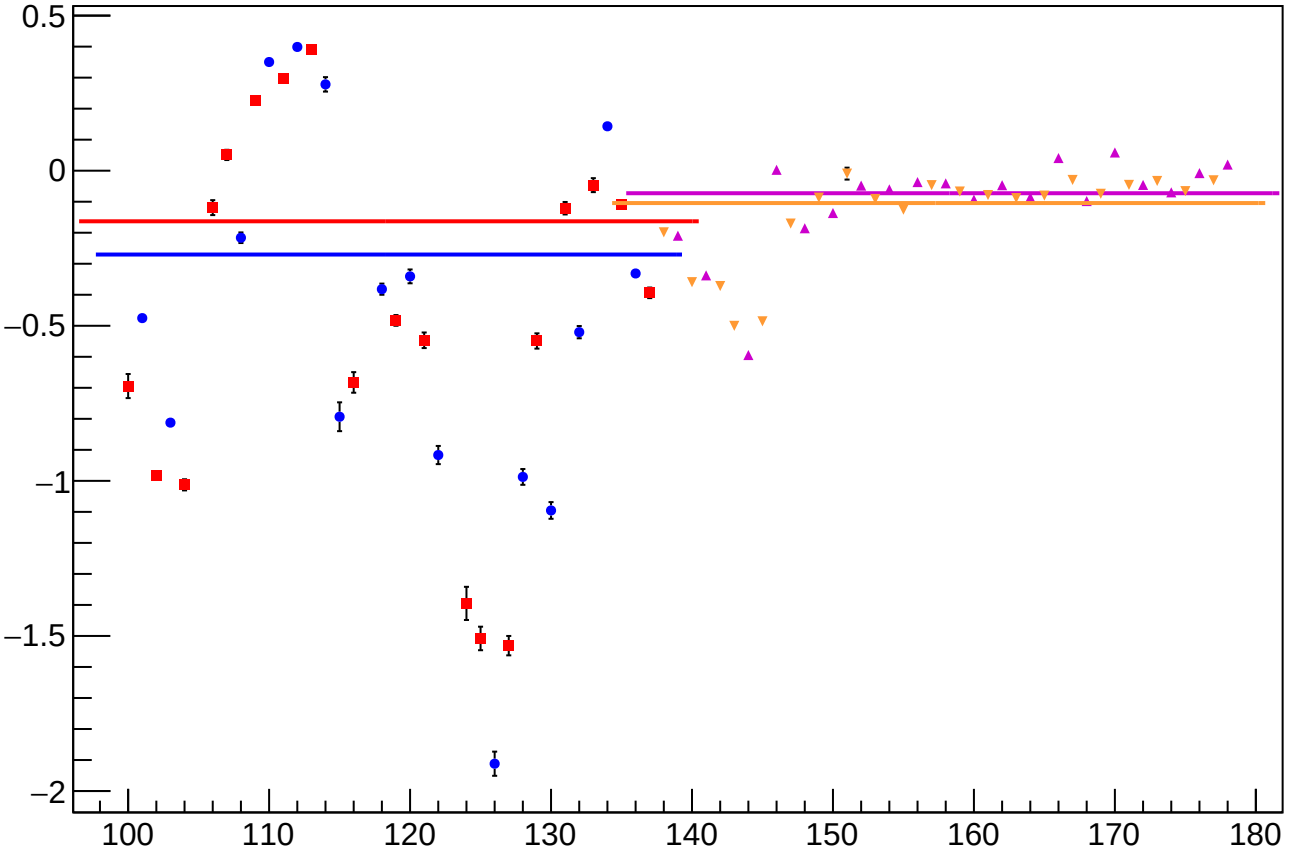
Left In: -1.189+/-0.038 χ^2/NDF:6869.6/19

+ sign -1.428+/-0.036 χ^2/NDF: 11269.9/36

All: -1.354+/-0.024 χ^2/NDF: 20648.2/75

- sign -1.293+/-0.033 χ^2/NDF: 9370.6/38

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.104+/-0.002 χ^2/NDF:3650.8/20

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

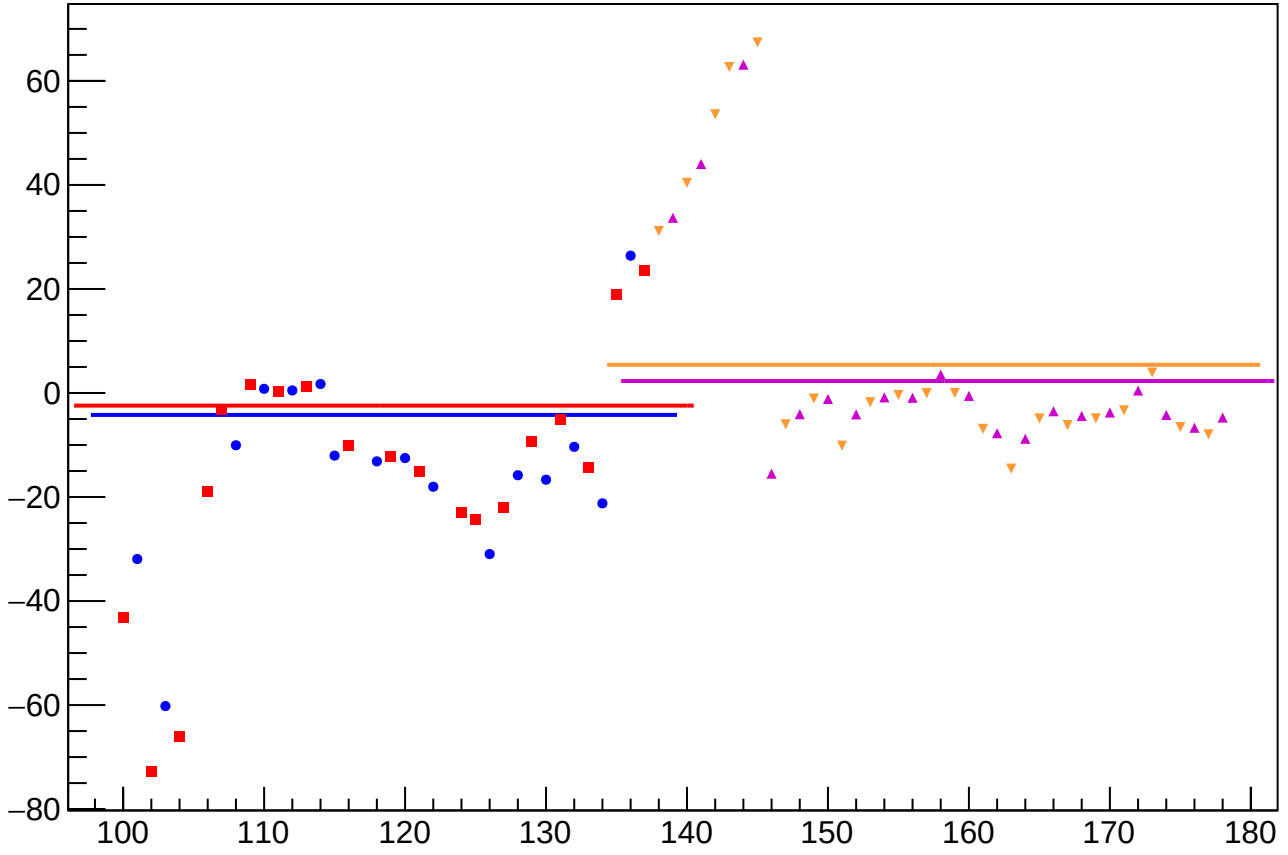
Left In: -0.073+/-0.002 χ^2/NDF:3992.8/19

+ sign -0.132+/-0.002 χ^2/NDF: 17030.9/36

All: -0.106+/-0.001 χ^2/NDF: 37426.2/75

- sign -0.087+/-0.001 χ^2/NDF: 19987.7/38

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 5.422+/-0.051 χ^2/NDF:166913.1/20

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

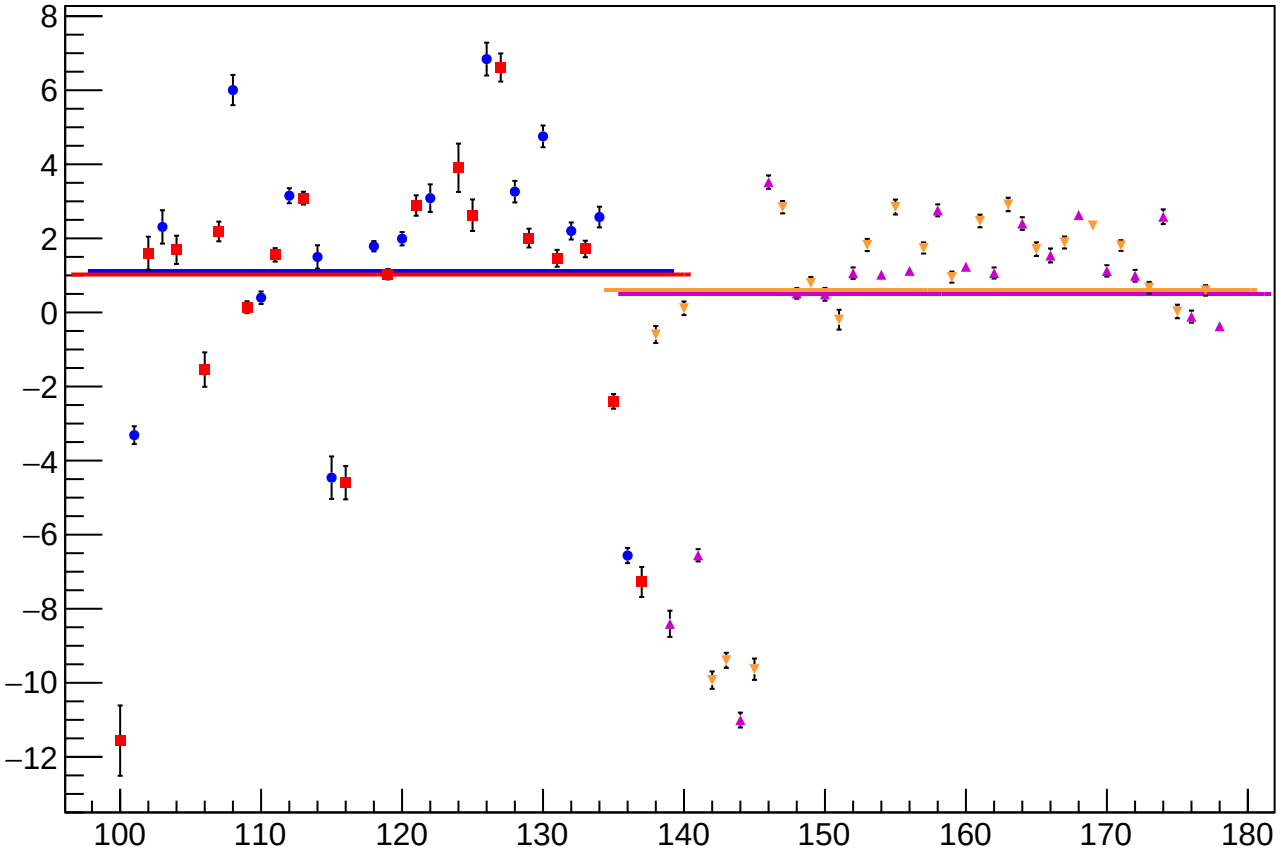
Left In: 2.305+/-0.046 χ^2/NDF:128507.3/19

+ sign 0.941+/-0.037 χ^2/NDF: 258725.9/36

All: 0.387+/-0.024 χ^2/NDF: 473658.5/75

- sign -0.033+/-0.032 χ^2/NDF: 214544.3/38

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: 0.605+/-0.038 χ^2/NDF:6772.5/20

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

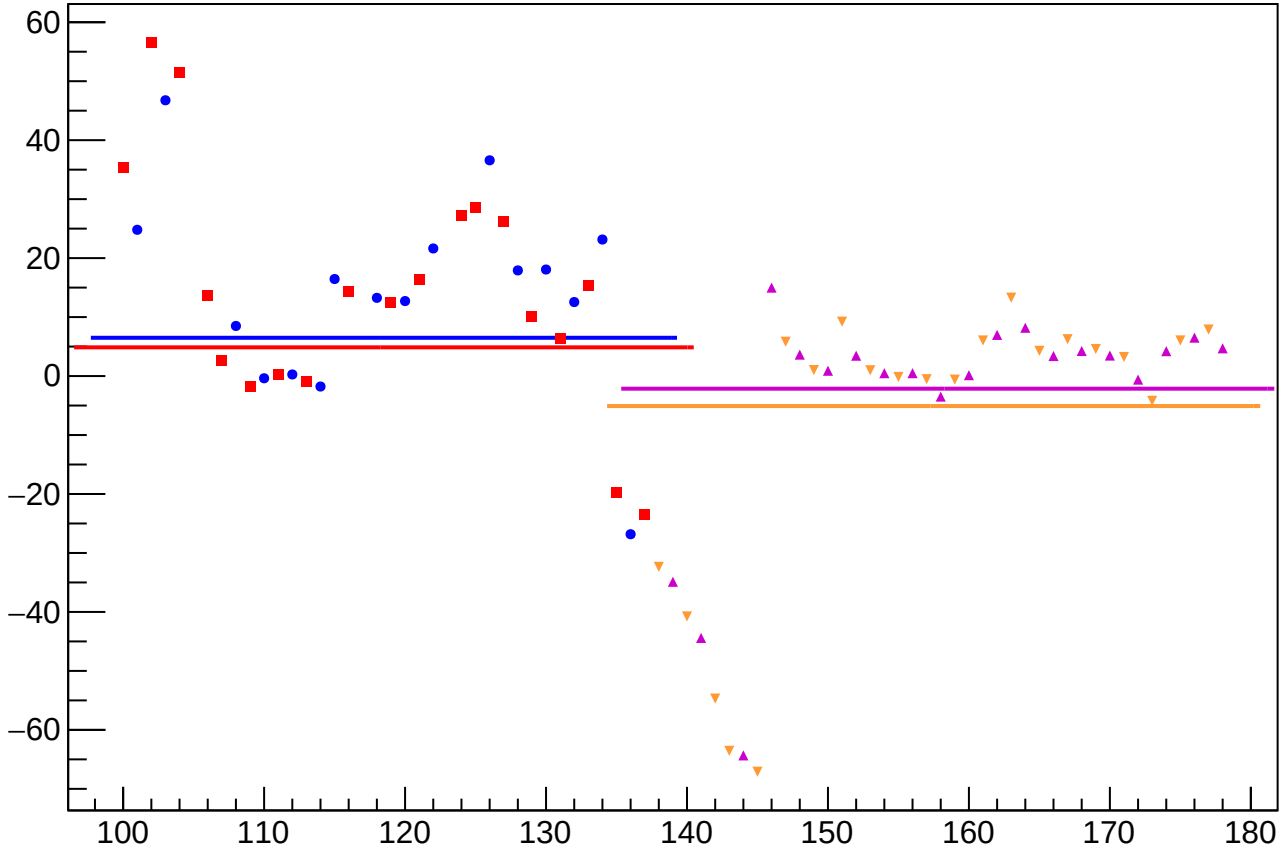
Left In: 0.498+/-0.034 χ^2/NDF:6888.9/19

+ sign 0.750+/-0.032 χ^2/NDF: 9415.9/36

All: 0.688+/-0.022 χ^2/NDF: 17986.3/75

- sign 0.636+/-0.029 χ^2/NDF: 8563.5/38

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -5.087+/-0.050 χ^2/NDF:161579.8/20

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

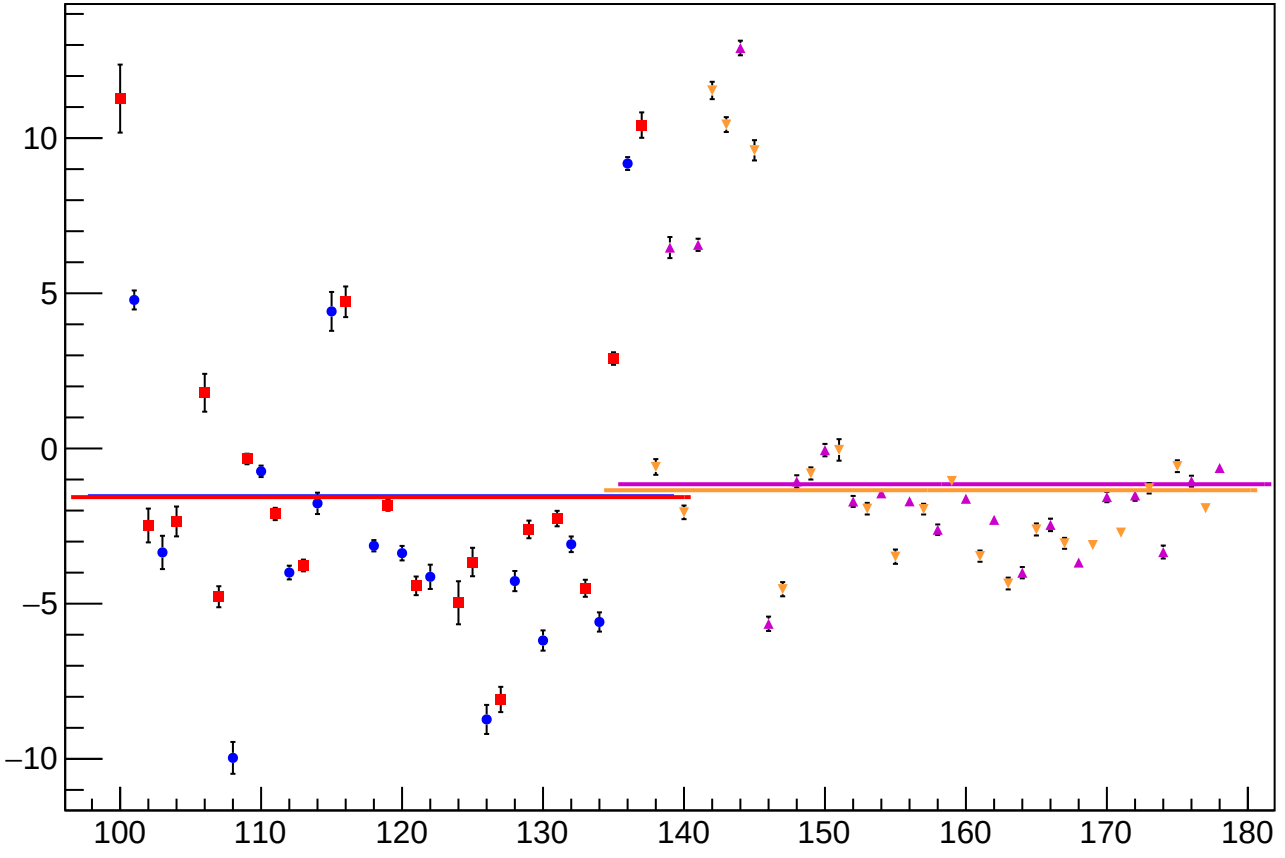
Left In: -2.141+/-0.045 χ^2/NDF:125483.2/19

+ sign -0.773+/-0.040 χ^2/NDF: 251977.4/36

All: -0.125+/-0.027 χ^2/NDF: 462157.7/75

- sign 0.393+/-0.036 χ^2/NDF: 209703.7/38

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: -1.345+/-0.042 χ^2/NDF:6763.5/20

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

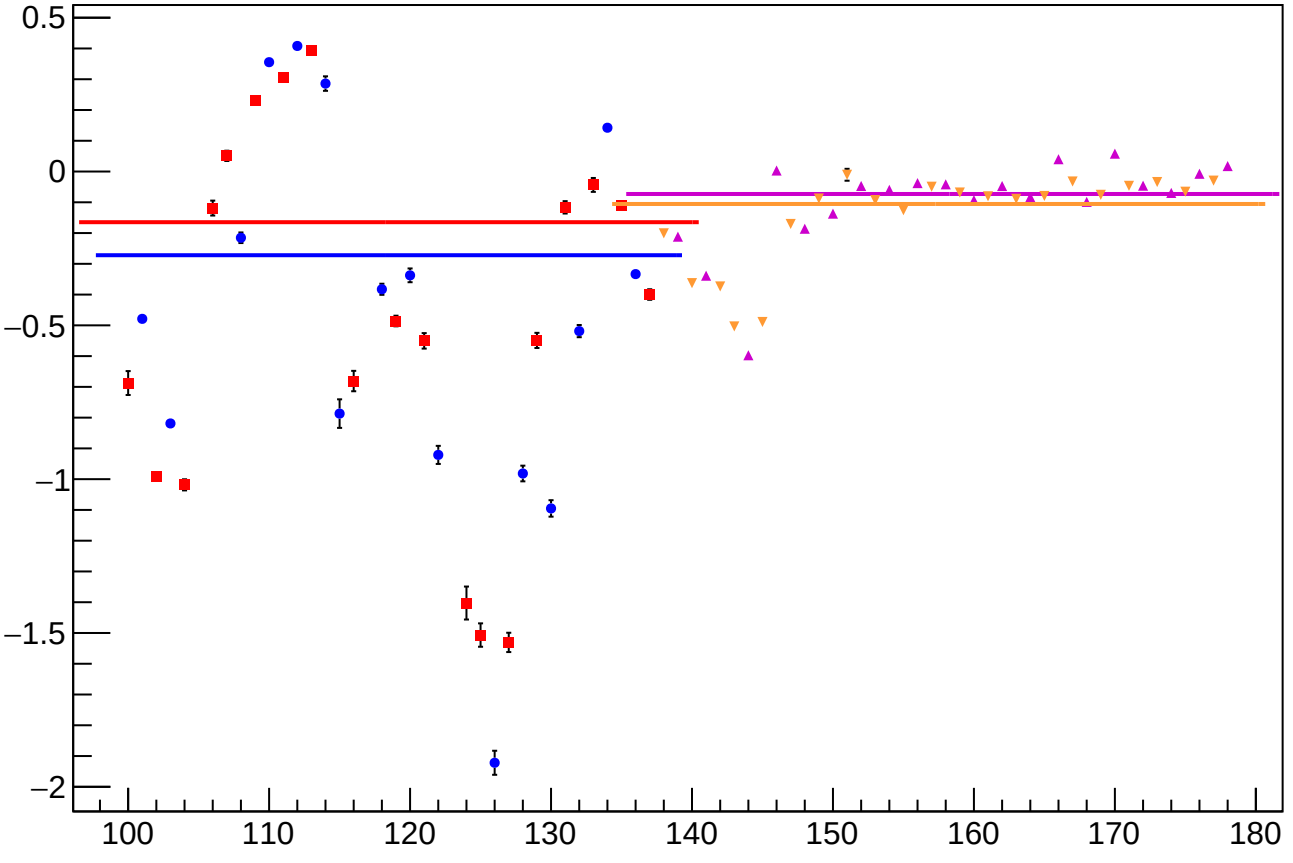
Left In: -1.151+/-0.038 χ^2/NDF:6858.5/19

+ sign -1.398+/-0.036 χ^2/NDF: 11305.2/36

All: -1.321+/-0.024 χ^2/NDF: 20699.6/75

- sign -1.259+/-0.033 χ^2/NDF: 9386.3/38

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: -0.272+/-0.004 χ^2/NDF: 12063.6/15

Left Out: -0.105+/-0.002 χ^2/NDF:3660.5/20

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

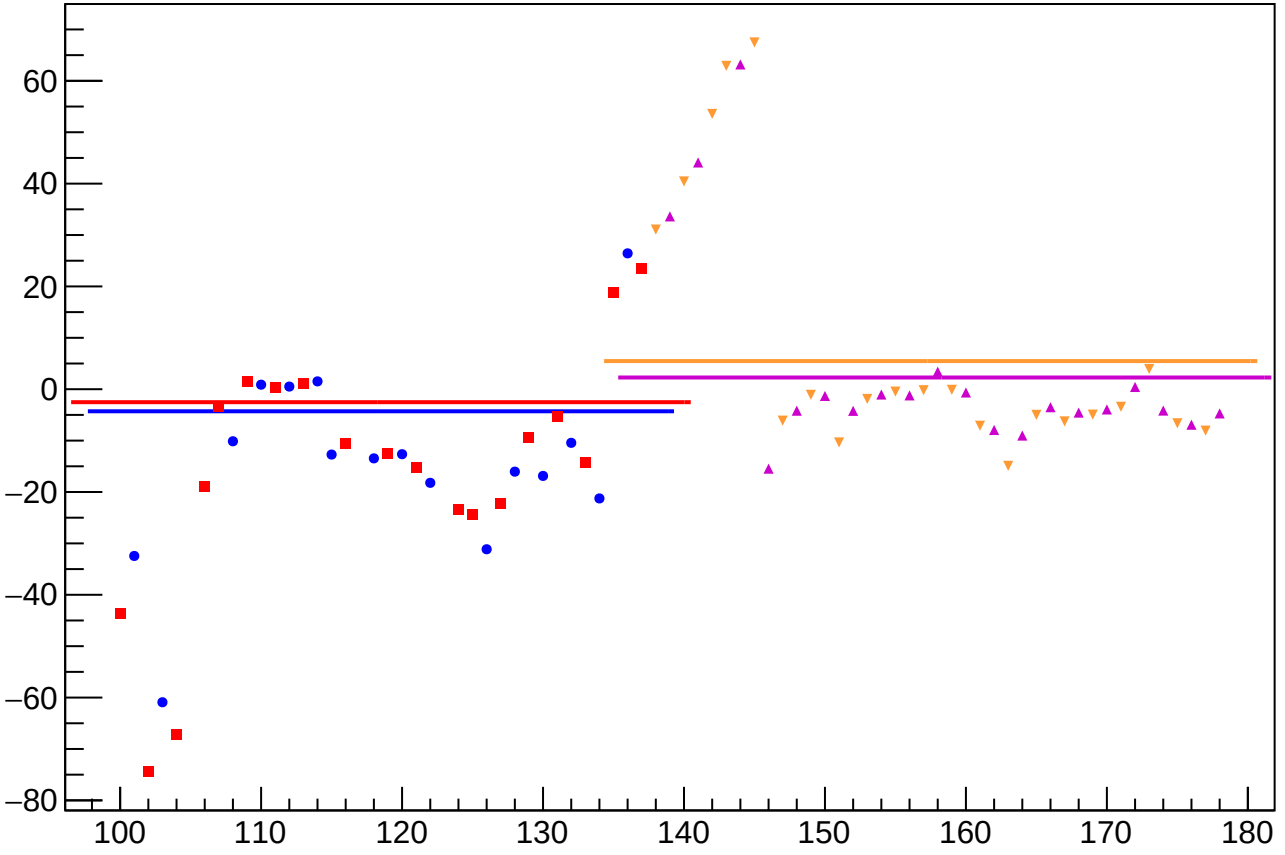
Left In: -0.073+/-0.002 χ^2/NDF:3980.7/19

+ sign -0.133+/-0.002 χ^2/NDF: 17062.8/36

All: -0.107+/-0.001 χ^2/NDF: 37443.0/75

- sign -0.087+/-0.001 χ^2/NDF: 19963.5/38

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 5.474+/-0.052 χ^2/NDF:164481.4/20

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

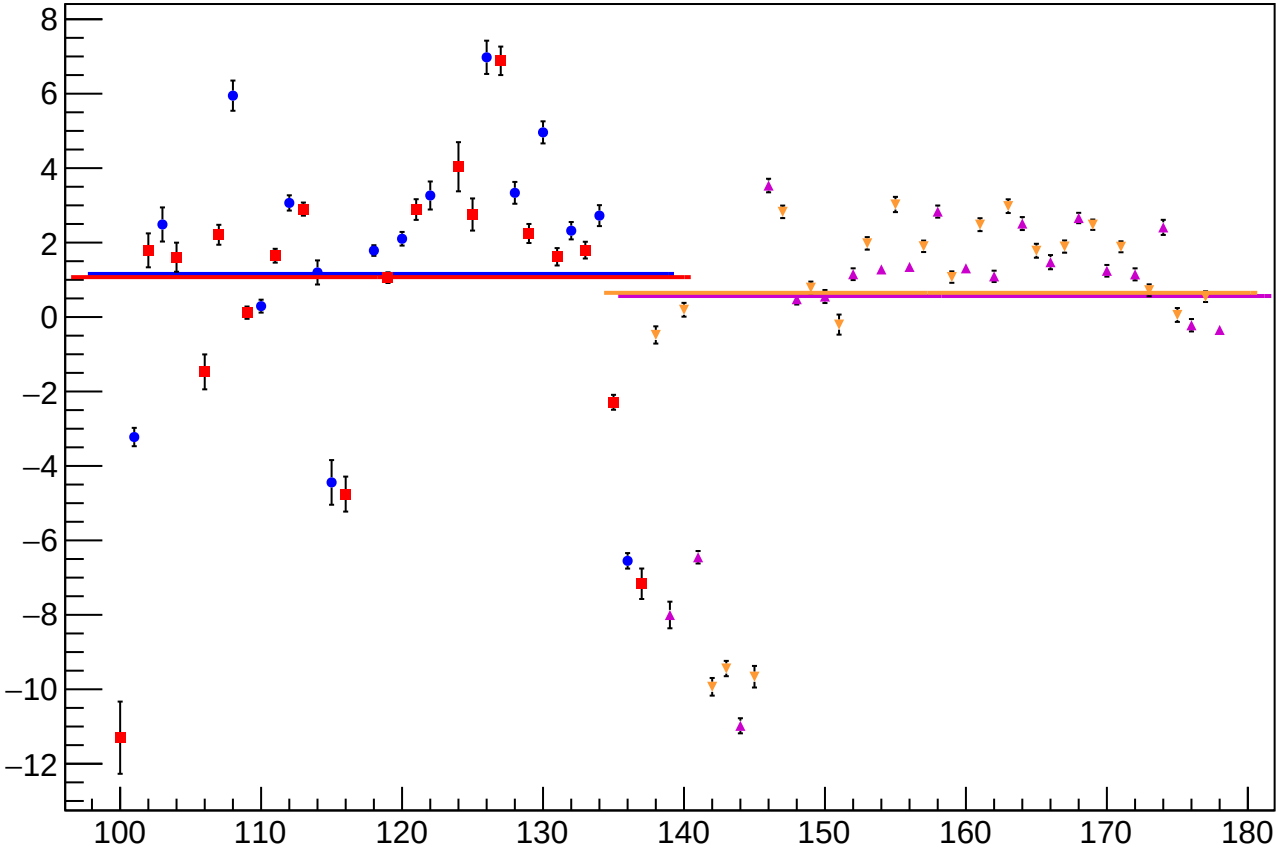
Left In: 2.277+/-0.047 χ^2/NDF:126491.2/19

+ sign 0.942+/-0.038 χ^2/NDF: 255173.4/36

All: 0.358+/-0.025 χ^2/NDF: 467212.7/75

- sign -0.087+/-0.033 χ^2/NDF: 211622.4/38

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: 0.650+/-0.039 χ^2/NDF:6755.2/20

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

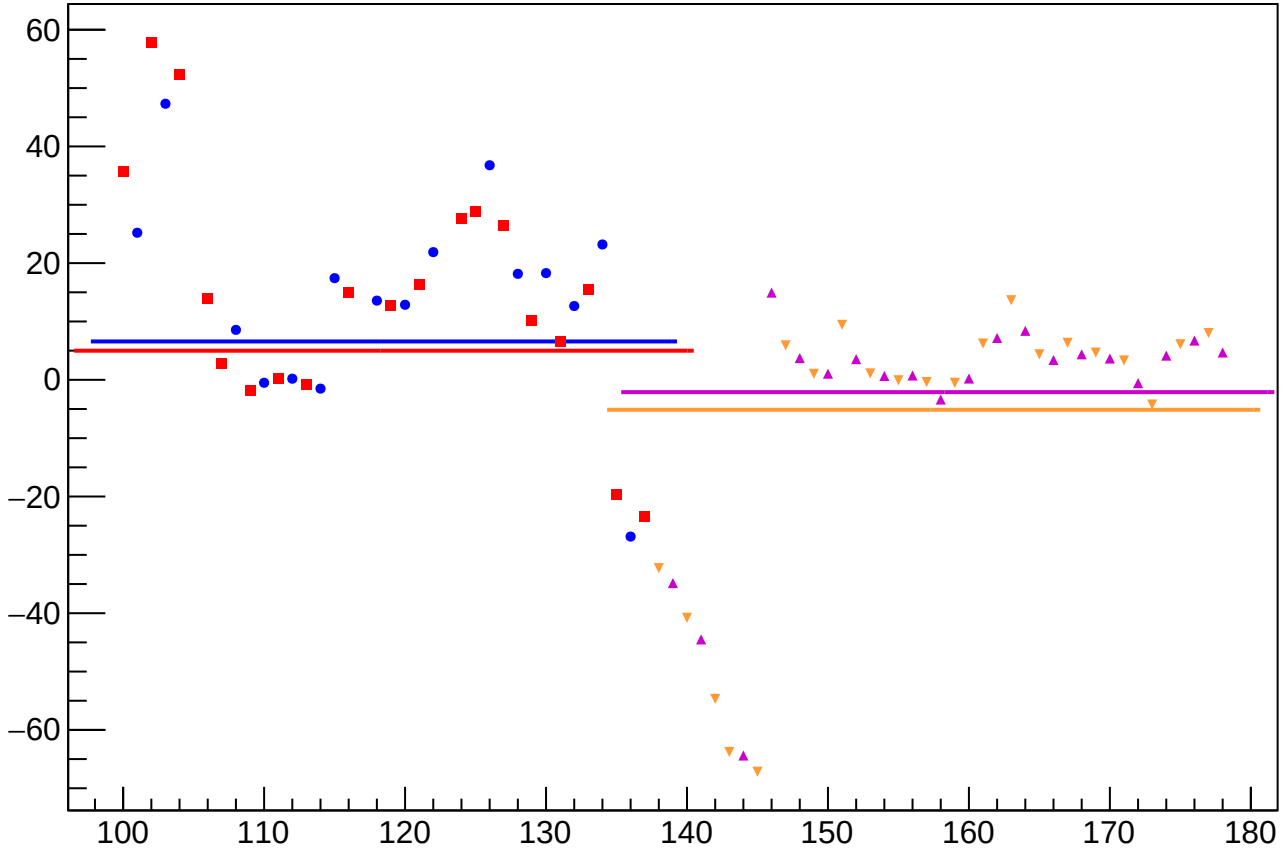
Left In: 0.565+/-0.035 χ^2/NDF:6718.8/19

+ sign 0.794+/-0.033 χ^2/NDF: 9354.0/36

All: 0.741+/-0.022 χ^2/NDF: 17684.7/75

- sign 0.697+/-0.030 χ^2/NDF: 8326.0/38

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -5.132+/-0.051 χ^2/NDF:159228.3/20

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

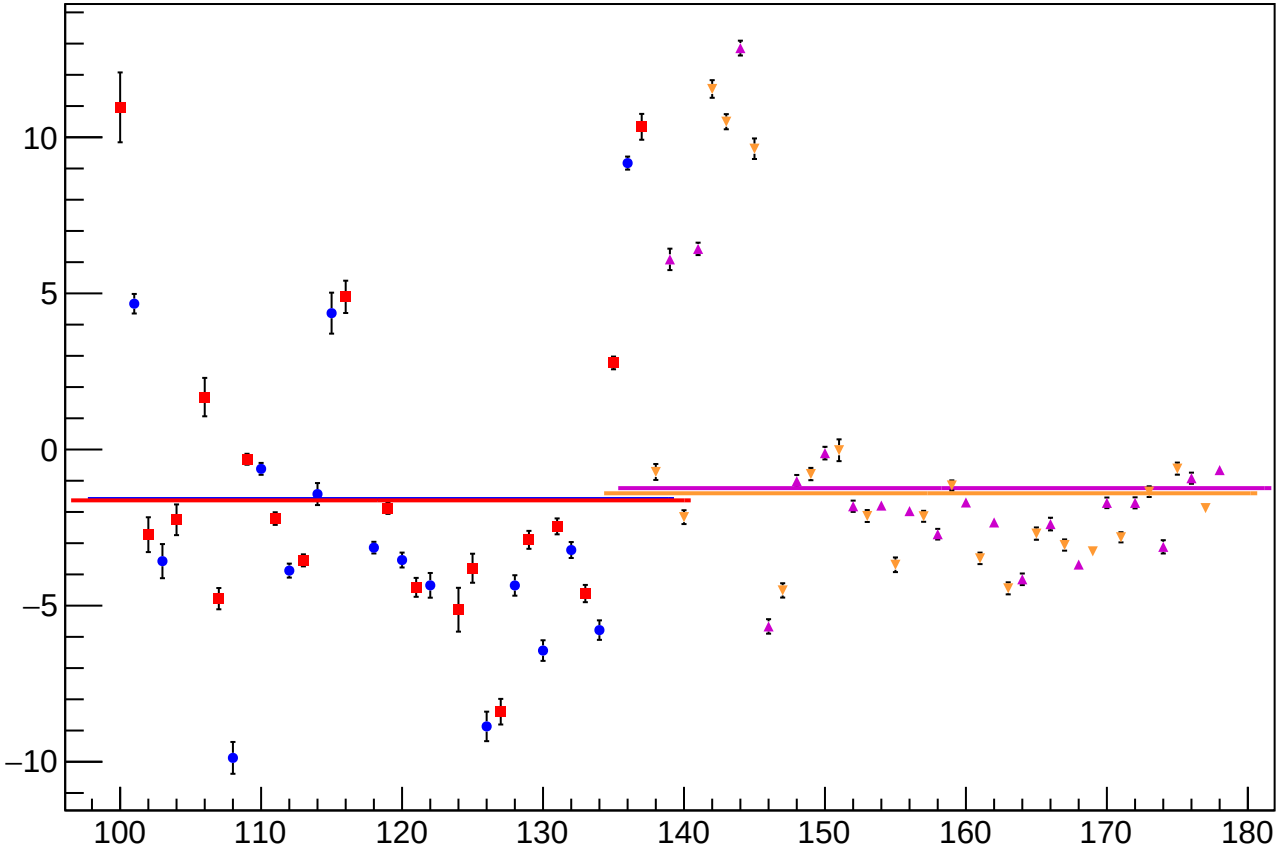
Left In: -2.110+/-0.045 χ^2/NDF:123490.9/19

+ sign -0.777+/-0.040 χ^2/NDF: 248497.3/36

All: -0.095+/-0.027 χ^2/NDF: 455791.5/75

- sign 0.453+/-0.036 χ^2/NDF: 206782.5/38

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: -1.401+/-0.043 χ^2/NDF:6736.7/20

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

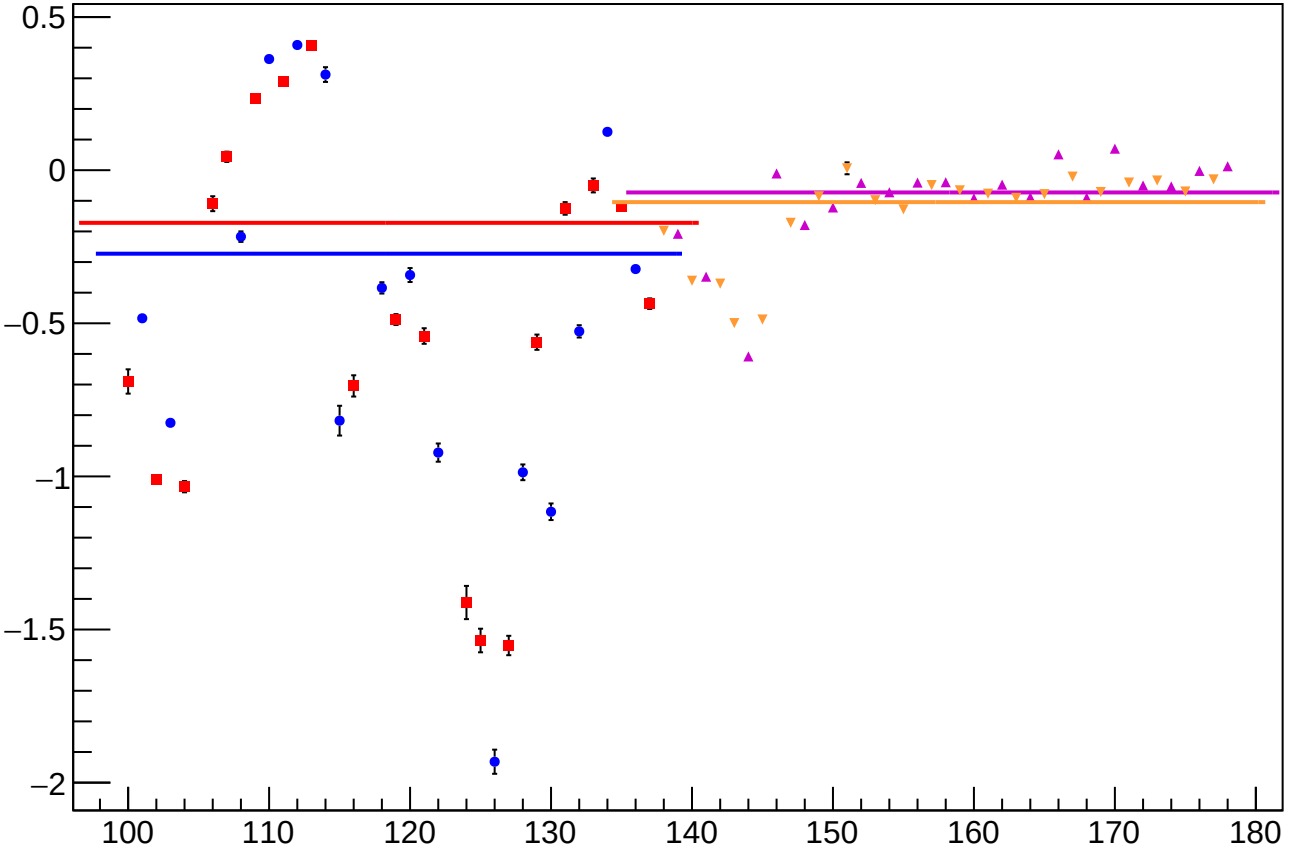
Left In: -1.237+/-0.039 χ^2/NDF:6665.4/19

+ sign -1.451+/-0.037 χ^2/NDF: 11214.2/36

All: -1.389+/-0.025 χ^2/NDF: 20333.3/75

- sign -1.338+/-0.033 χ^2/NDF: 9113.9/38

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: -0.273+/-0.004 χ^2/NDF: 11856.3/15

Left Out: -0.104+/-0.002 χ^2/NDF:3596.5/20

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

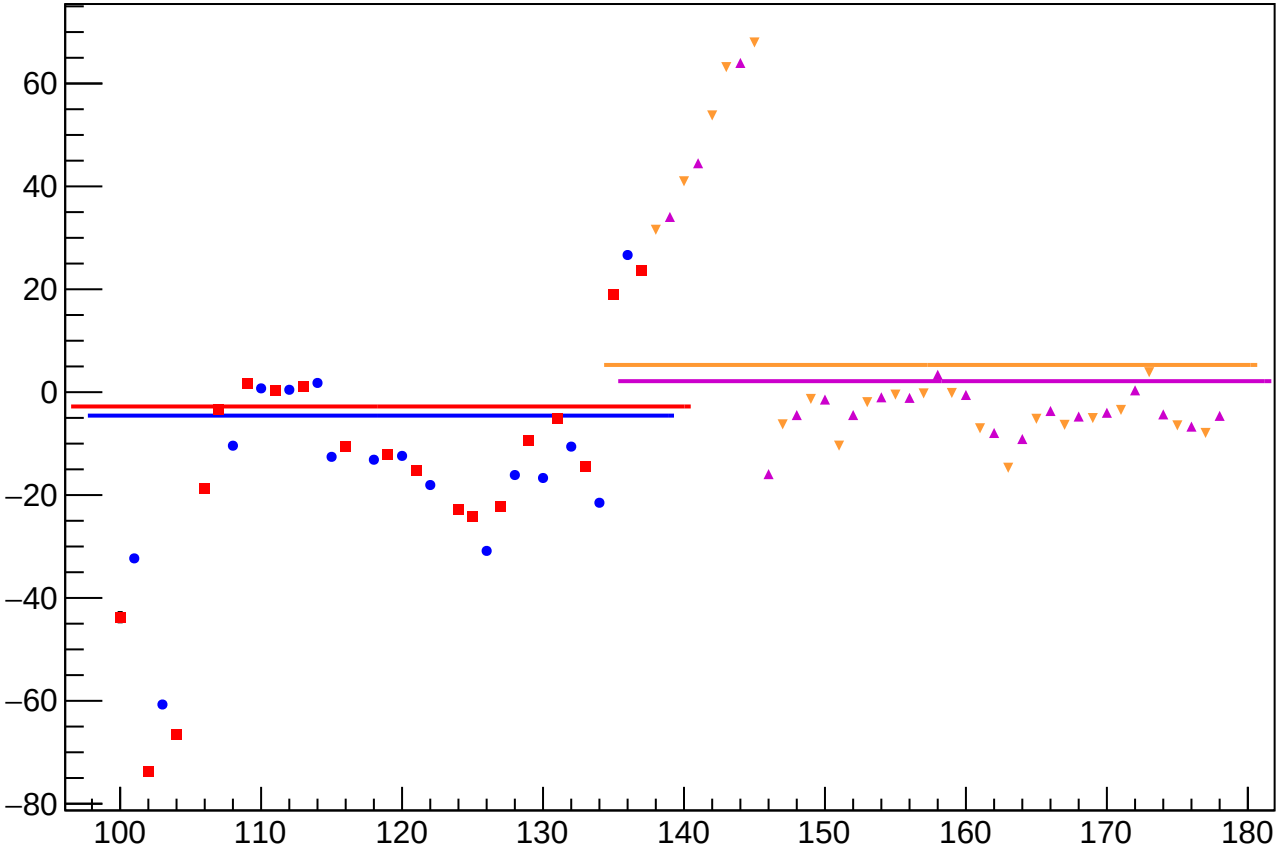
Left In: -0.073+/-0.002 χ^2/NDF:4030.4/19

+ sign -0.132+/-0.002 χ^2/NDF: 16778.3/36

All: -0.107+/-0.001 χ^2/NDF: 37059.6/75

- sign -0.088+/-0.002 χ^2/NDF: 19909.4/38

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 5.292+/-0.052 χ^2/NDF:162257.6/20

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

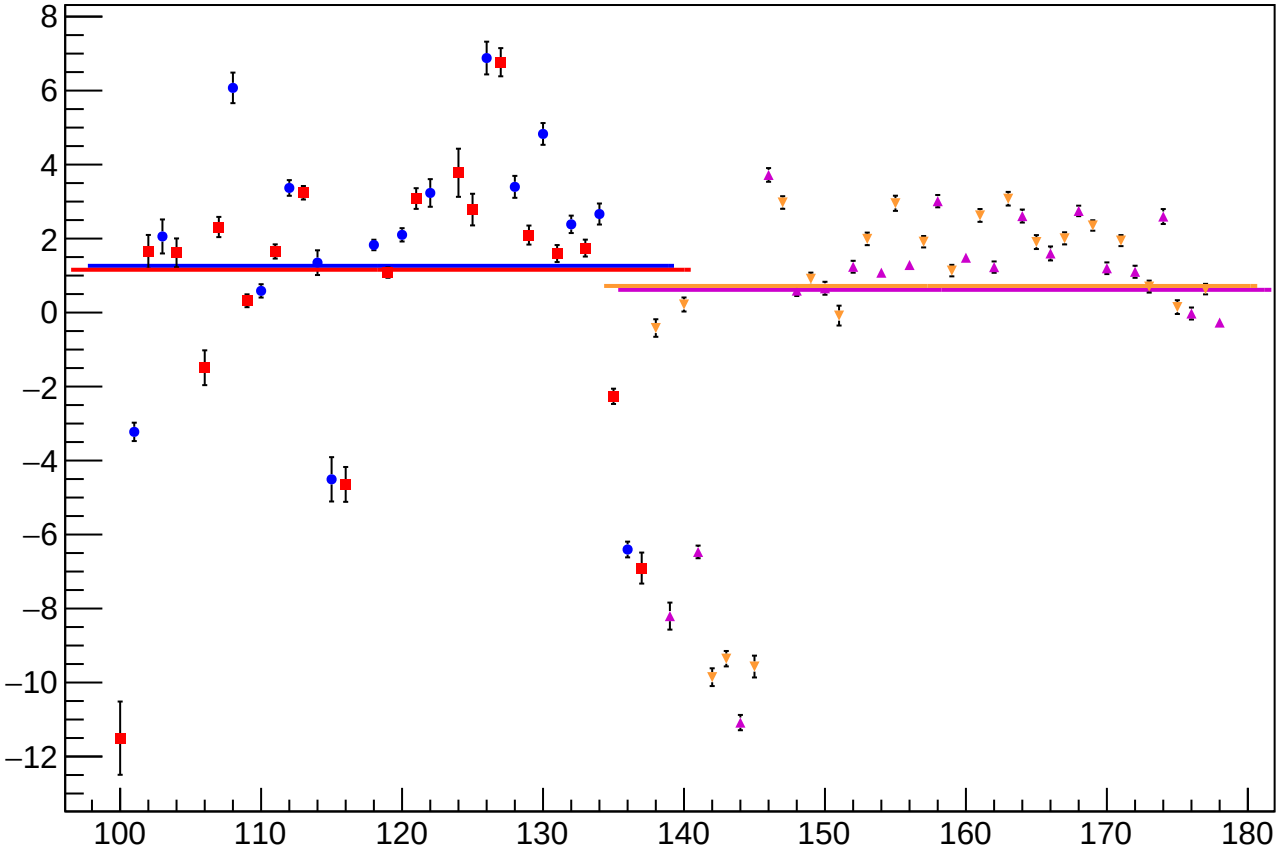
Left In: 2.141+/-0.047 χ^2/NDF:125134.6/19

+ sign 0.780+/-0.038 χ^2/NDF: 251185.6/36

All: 0.206+/-0.025 χ^2/NDF: 459942.6/75

- sign -0.234+/-0.034 χ^2/NDF: 208363.6/38

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: 0.719+/-0.039 χ^2/NDF:6540.9/20

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

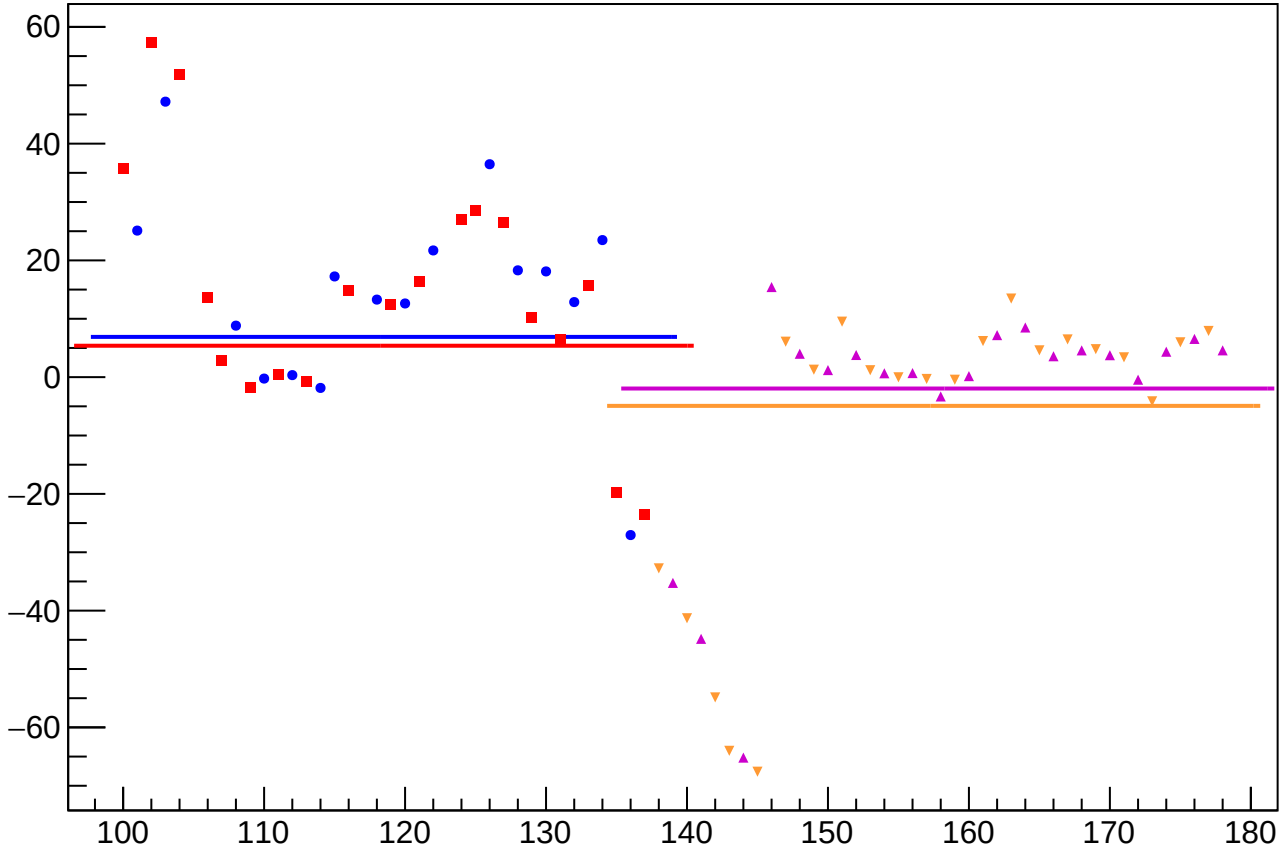
Left In: 0.615+/-0.035 χ^2/NDF:6676.4/19

+ sign 0.873+/-0.033 χ^2/NDF: 9039.9/36

All: 0.809+/-0.022 χ^2/NDF: 17276.0/75

- sign 0.756+/-0.030 χ^2/NDF: 8229.3/38

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -4.921+/-0.051 χ^2/NDF:156949.4/20

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

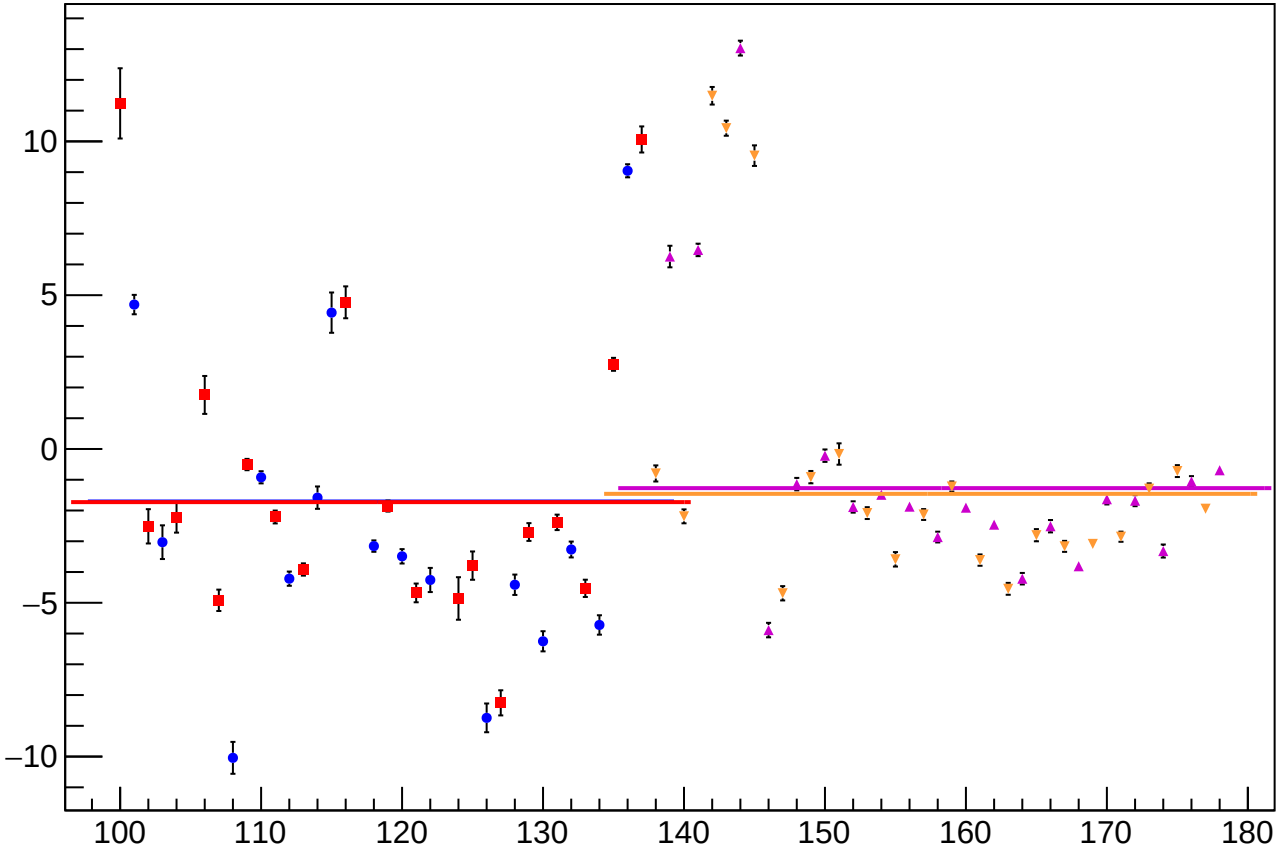
Left In: -1.950+/-0.046 χ^2/NDF:122101.6/19

+ sign -0.567+/-0.041 χ^2/NDF: 244426.0/36

All: 0.108+/-0.027 χ^2/NDF: 448359.0/75

- sign 0.652+/-0.037 χ^2/NDF: 203441.5/38

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: -1.458+/-0.043 χ^2/NDF:6535.1/20

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

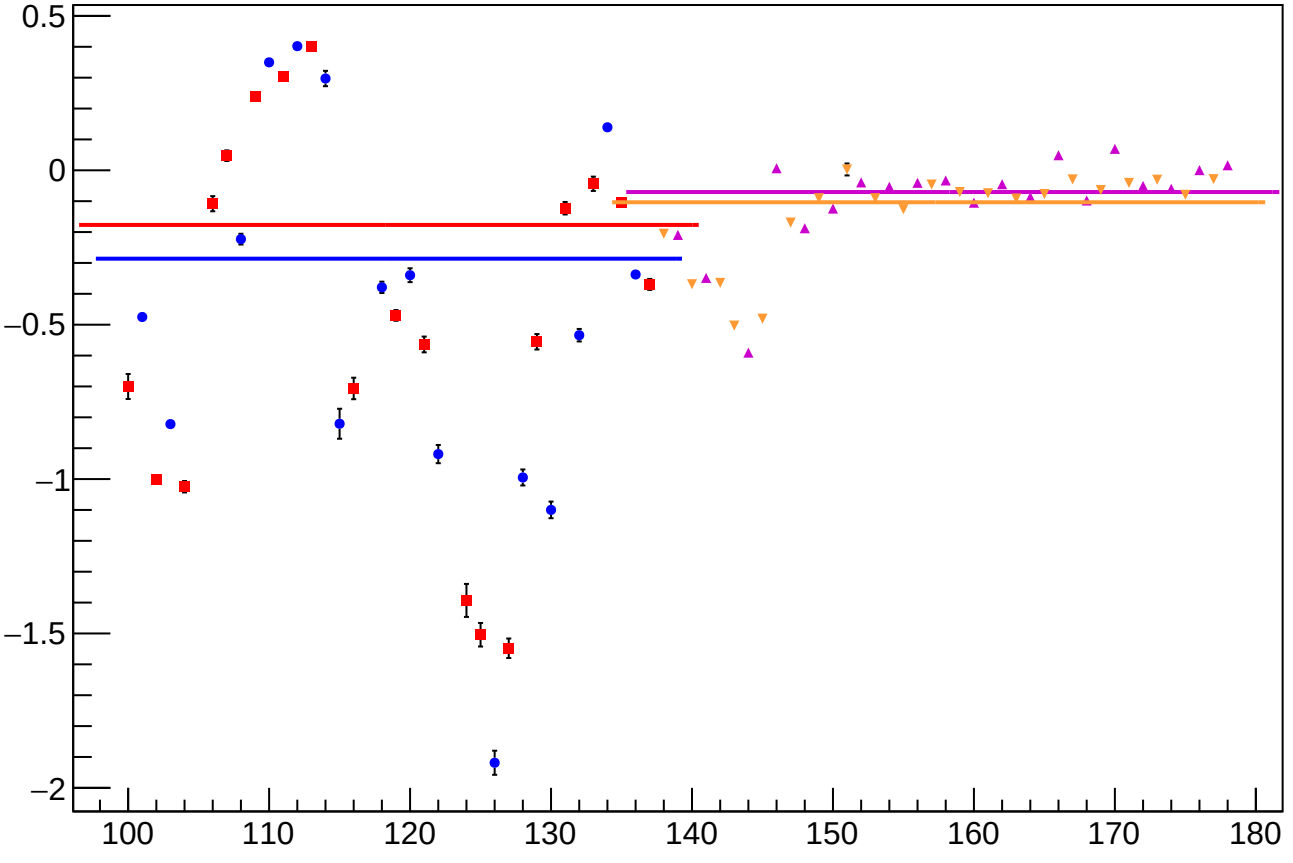
Left In: -1.273+/-0.039 χ^2/NDF:6664.2/19

+ sign -1.526+/-0.037 χ^2/NDF: 10833.7/36

All: -1.451+/-0.025 χ^2/NDF: 19849.3/75

- sign -1.389+/-0.034 χ^2/NDF: 9008.2/38

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.104+/-0.002 χ^2/NDF:3528.5/20

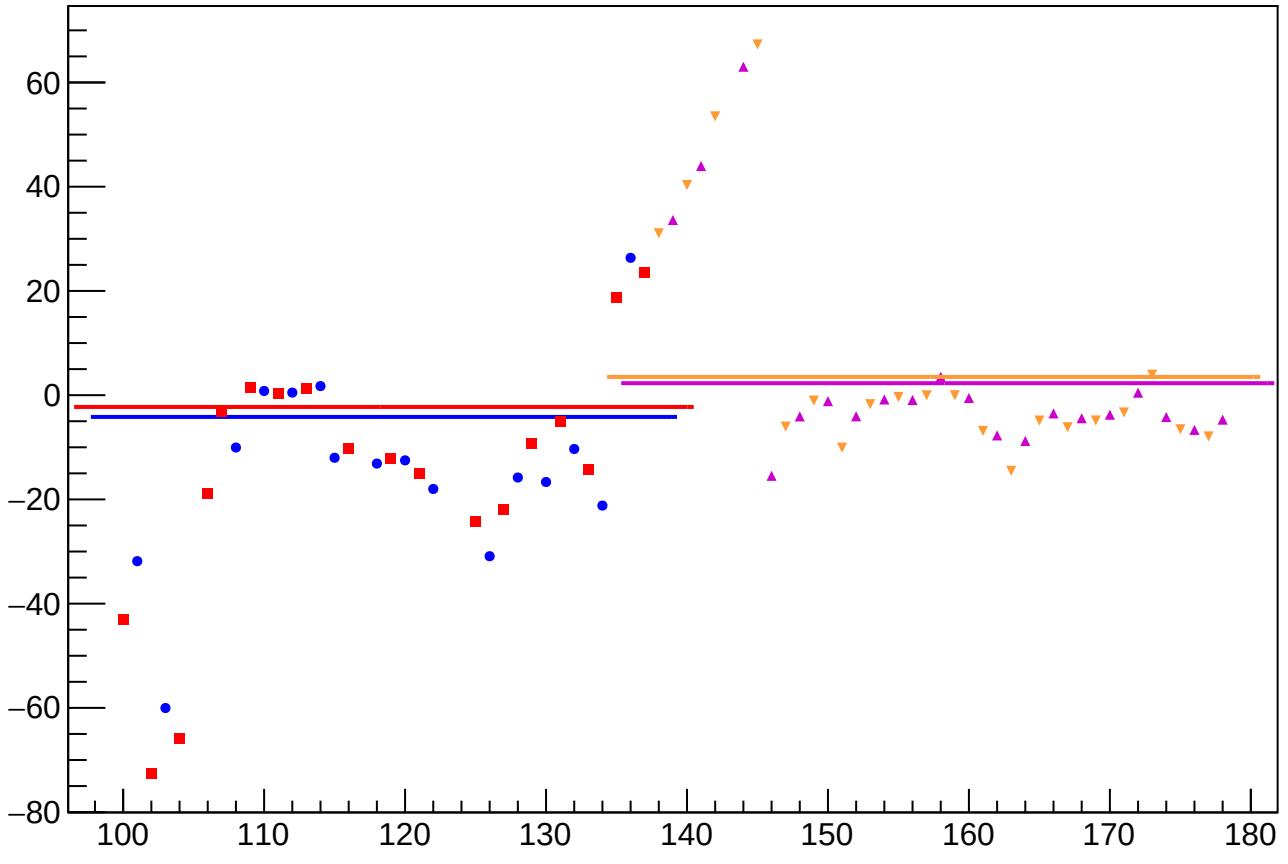
Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.070+/-0.002 χ^2/NDF:3913.6/19

+ sign -0.134+/-0.002 χ^2/NDF: 16411.4/36

All: -0.107+/-0.001 χ^2/NDF: 36121.5/75

- sign -0.087+/-0.002 χ^2/NDF: 19298.1/38



Right In: -4.173+/-0.054 χ^2/NDF: 75394.5/15

Left Out: 3.502+/-0.052 χ^2/NDF:124906.6/19

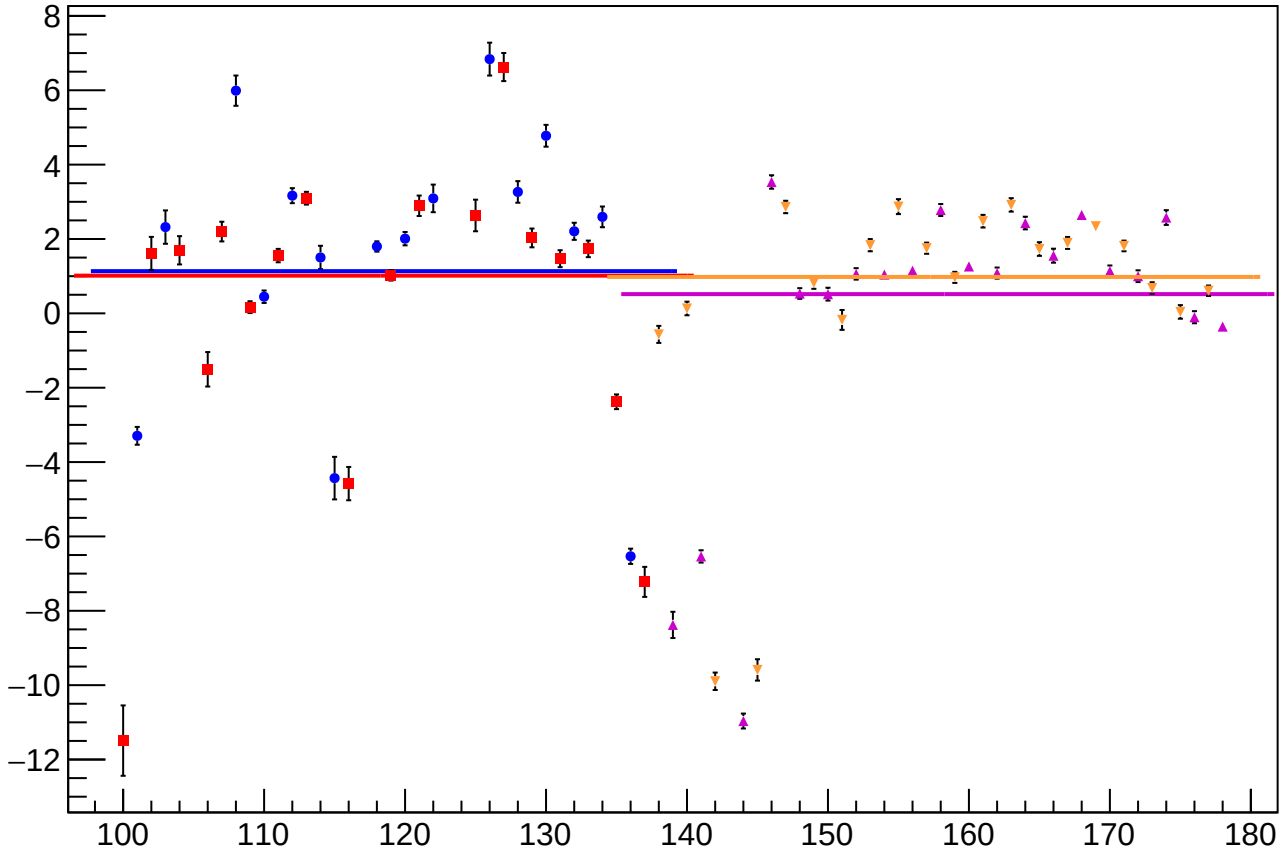
Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 2.299+/-0.045 χ^2/NDF:128742.9/19

+ sign -0.135+/-0.037 χ^2/NDF: 210753.2/35

All: -0.031+/-0.024 χ^2/NDF: 424101.0/73

- sign 0.047+/-0.032 χ^2/NDF: 213334.1/37



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/15

Left Out: 0.980+/-0.038 χ^2/NDF:4274.8/19

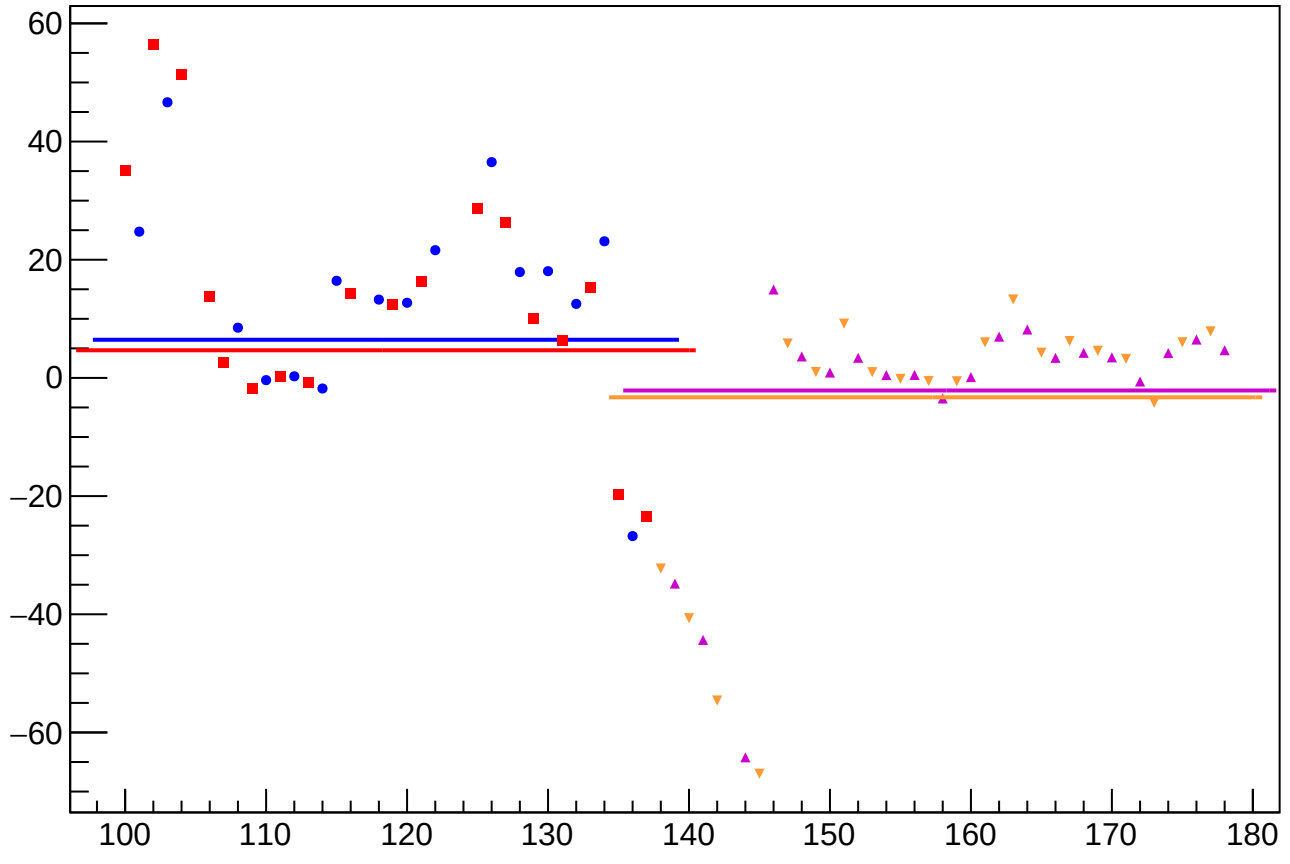
Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: 0.517+/-0.034 χ^2/NDF:6909.6/19

+ sign 1.025+/-0.032 χ^2/NDF: 6875.2/35

All: 0.816+/-0.022 χ^2/NDF: 15508.8/73

- sign 0.646+/-0.029 χ^2/NDF: 8558.4/37



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -3.281+/-0.051 χ^2/NDF:120287.0/19

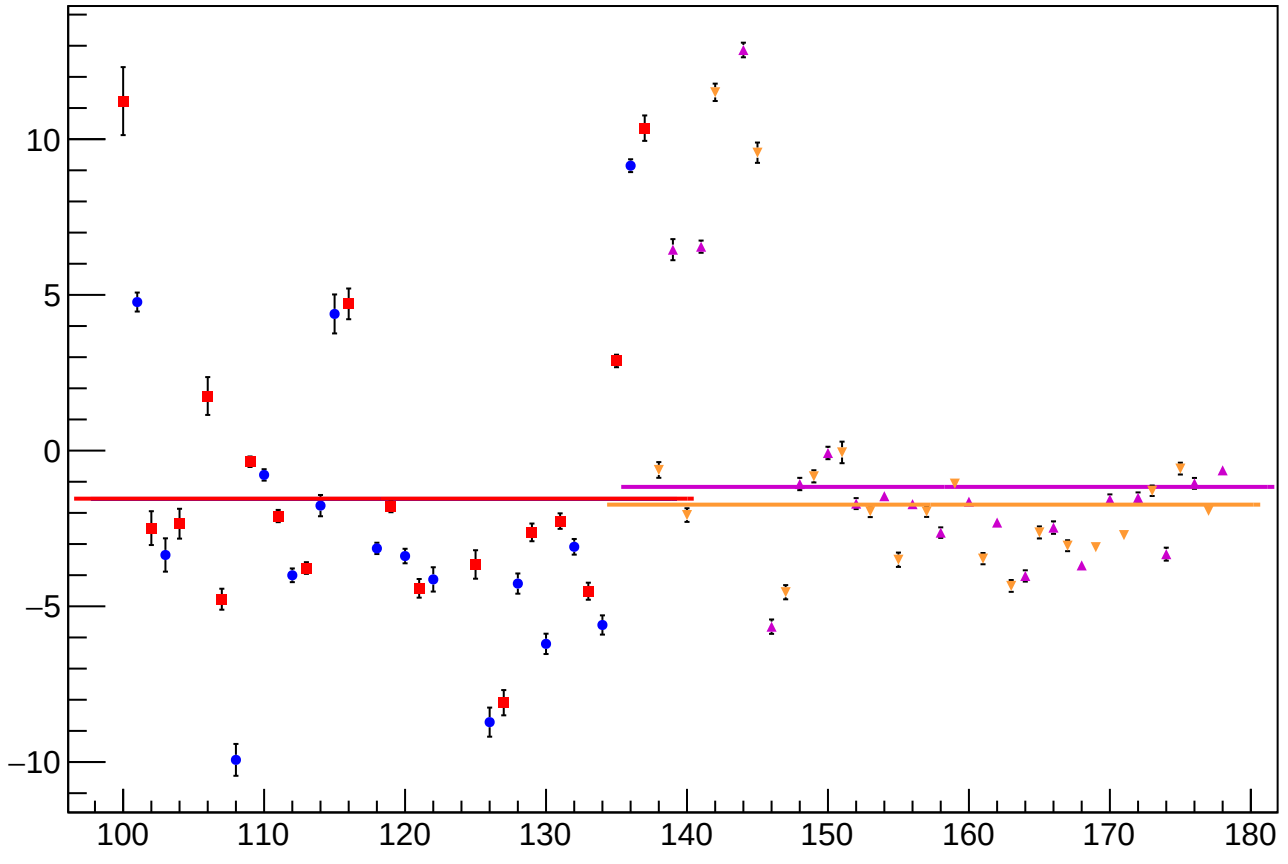
Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -2.124+/-0.044 χ^2/NDF:125704.9/19

+ sign 0.419+/-0.040 χ^2/NDF: 205015.5/35

All: 0.368+/-0.027 χ^2/NDF: 413611.0/73

- sign 0.327+/-0.035 χ^2/NDF: 208592.5/37



Right In: -1.552+/-0.069 χ^2/NDF: 4543.6/15

Left Out: -1.735+/-0.043 χ^2/NDF:4273.0/19

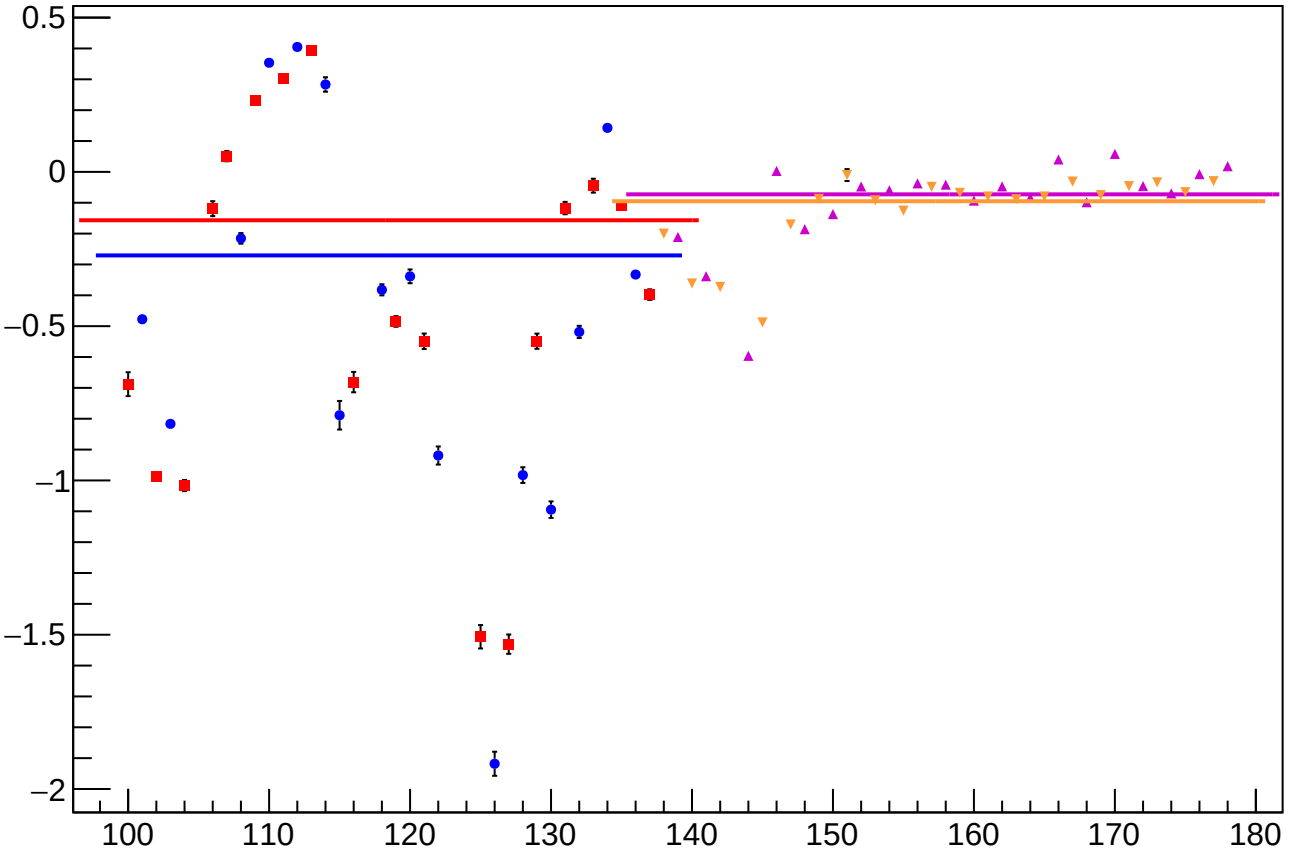
Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: -1.165+/-0.038 χ^2/NDF:6876.7/19

+ sign -1.684+/-0.037 χ^2/NDF: 8821.6/35

All: -1.449+/-0.024 χ^2/NDF: 18271.0/73

- sign -1.262+/-0.033 χ^2/NDF: 9375.2/37



Right In: -0.271+/-0.004 χ^2/NDF: 12096.1/15

Left Out: -0.095+/-0.002 χ^2/NDF:2511.1/19

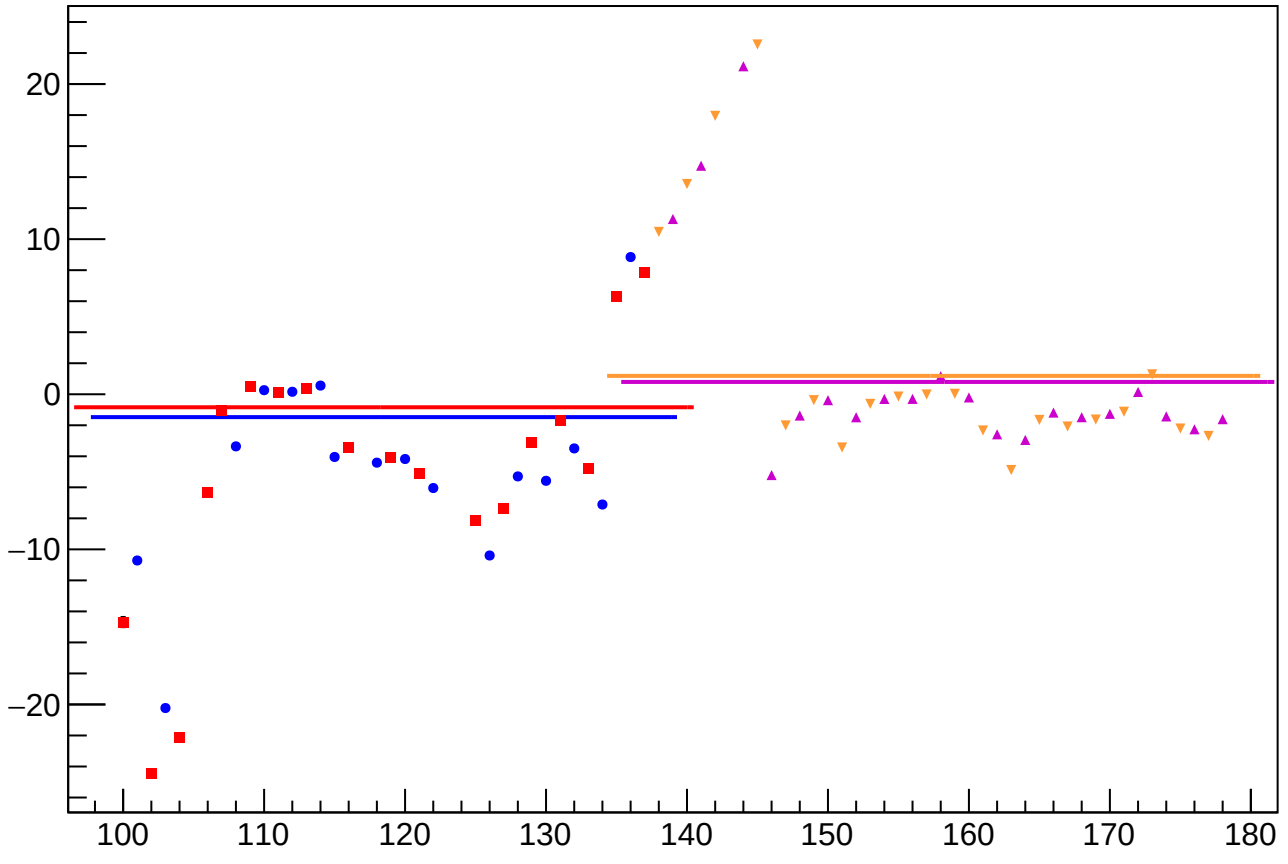
Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

Left In: -0.073+/-0.002 χ^2/NDF:3993.7/19

+ sign -0.125+/-0.002 χ^2/NDF: 16100.1/35

All: -0.103+/-0.001 χ^2/NDF: 35829.4/73

- sign -0.086+/-0.001 χ^2/NDF: 19428.1/37



Right In: -1.474+/-0.019 χ^2/NDF: 73722.2/15

Left Out: 1.186+/-0.018 χ^2/NDF:122778.9/19

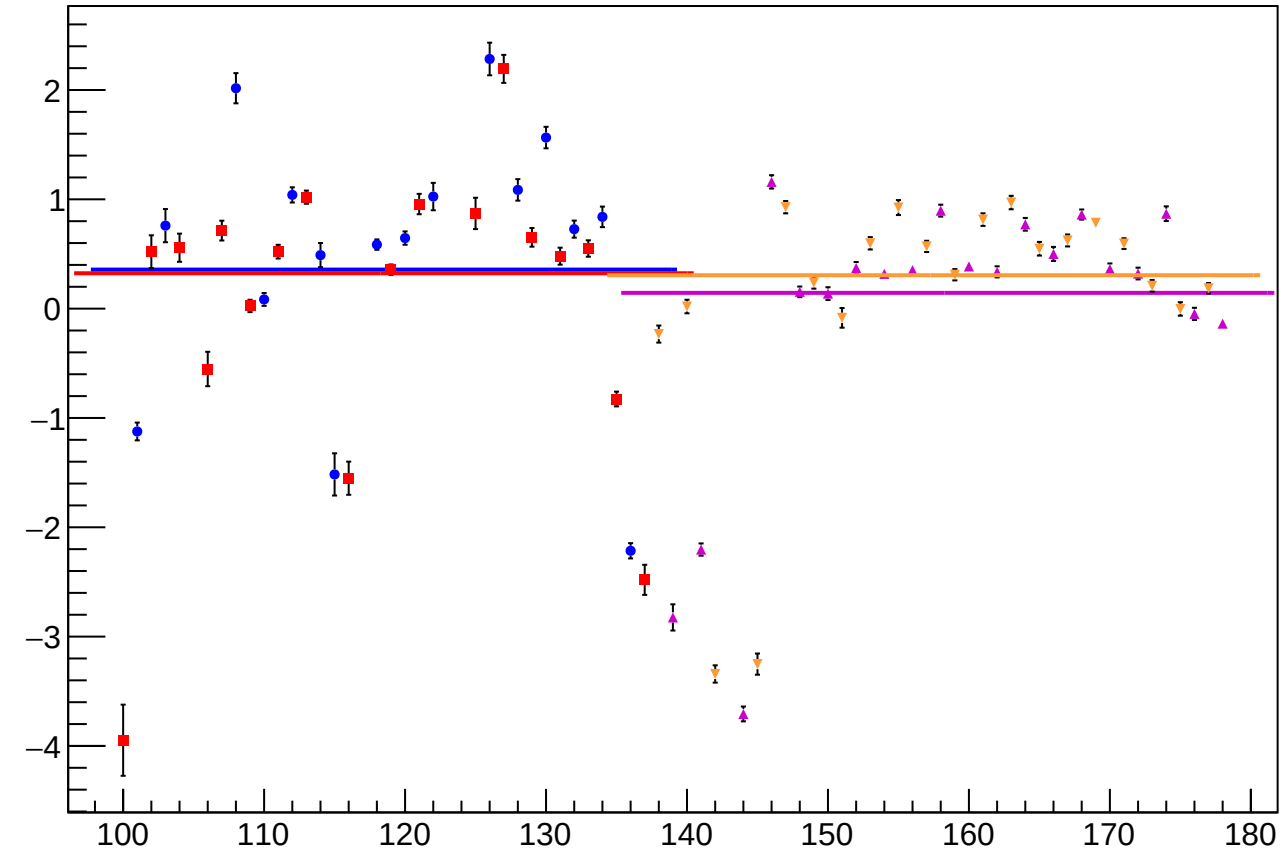
Right Out: -0.838+/-0.016 χ^2/NDF: 78013.1/17

Left In: 0.794+/-0.016 χ^2/NDF:126169.6/19

+ sign -0.063+/-0.013 χ^2/NDF: 207190.0/35

All: -0.027+/-0.008 χ^2/NDF: 416714.3/73

- sign 0.000+/-0.011 χ^2/NDF: 209510.7/37



Right In: 0.357+/-0.021 χ^2/NDF: 2543.0/15

Left Out: 0.306+/-0.013 χ^2/NDF:4230.3/19

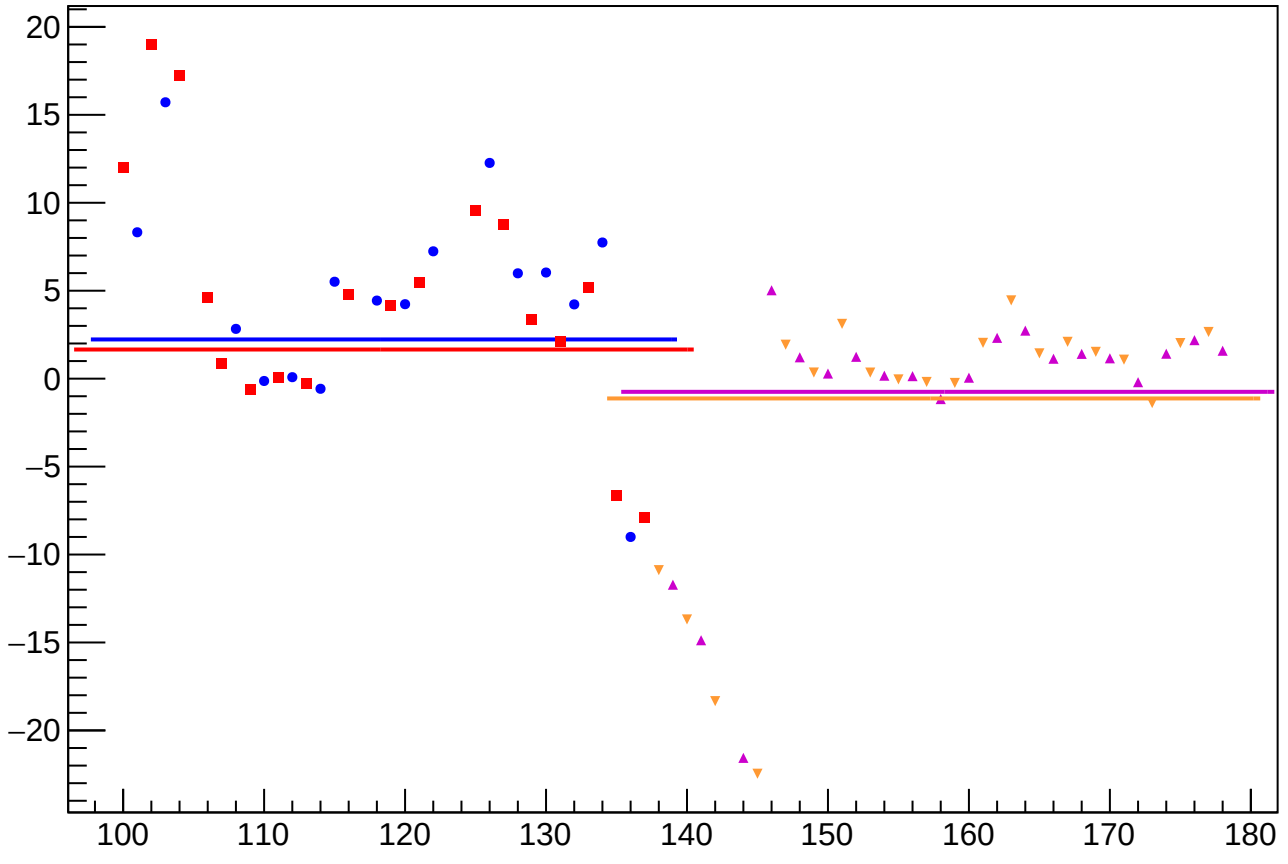
Right Out: 0.324+/-0.020 χ^2/NDF: 1558.9/17

Left In: 0.144+/-0.012 χ^2/NDF:6743.3/19

+ sign 0.321+/-0.011 χ^2/NDF: 6777.8/35

All: 0.249+/-0.007 χ^2/NDF: 15217.0/73

- sign 0.191+/-0.010 χ^2/NDF: 8363.7/37



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -1.125+/-0.017 χ^2/NDF:118238.2/19

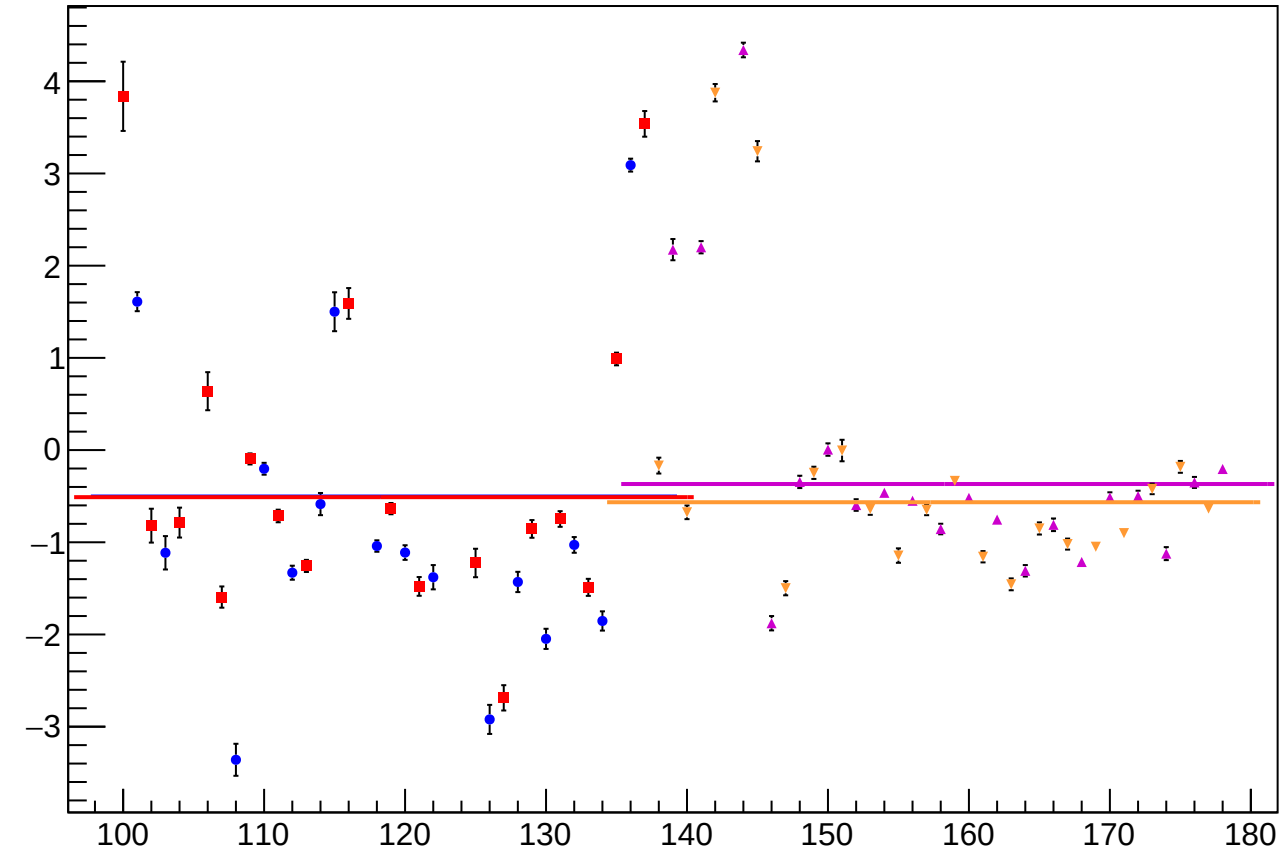
Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: -0.749+/-0.015 χ^2/NDF:123239.5/19

+ sign 0.142+/-0.014 χ^2/NDF: 201557.9/35

All: 0.124+/-0.009 χ^2/NDF: 406499.0/73

- sign 0.110+/-0.012 χ^2/NDF: 204938.0/37



Right In: -0.504+/-0.024 χ^2/NDF: 4447.2/15

Left Out: -0.566+/-0.015 χ^2/NDF:4232.1/19

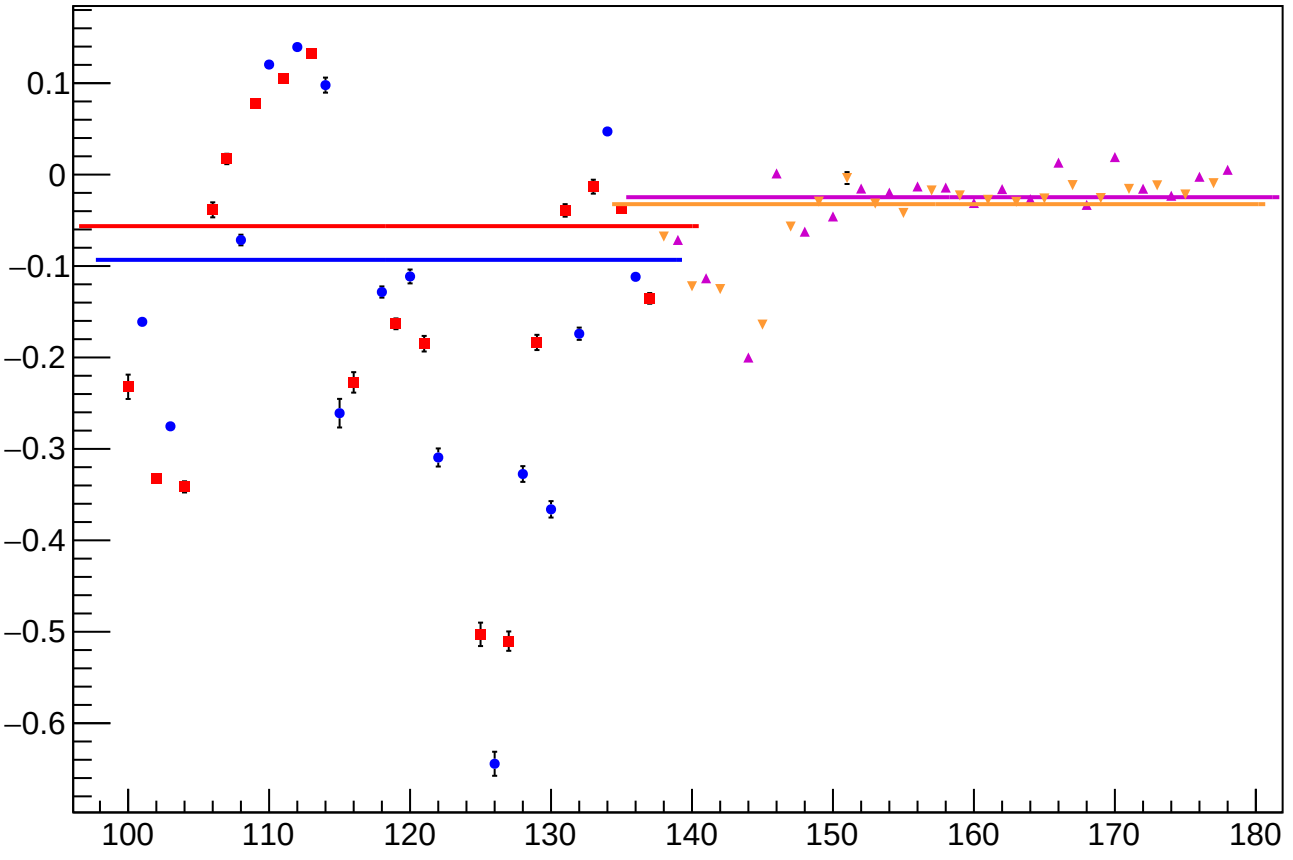
Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

Left In: -0.368+/-0.013 χ^2/NDF:6722.6/19

+ sign -0.549+/-0.012 χ^2/NDF: 8684.2/35

All: -0.469+/-0.008 χ^2/NDF: 17935.0/73

- sign -0.404+/-0.011 χ^2/NDF: 9177.1/37



Right In: -0.093+/-0.001 χ^2/NDF: 11742.4/15

Left Out: -0.032+/-0.001 χ^2/NDF:2472.7/19

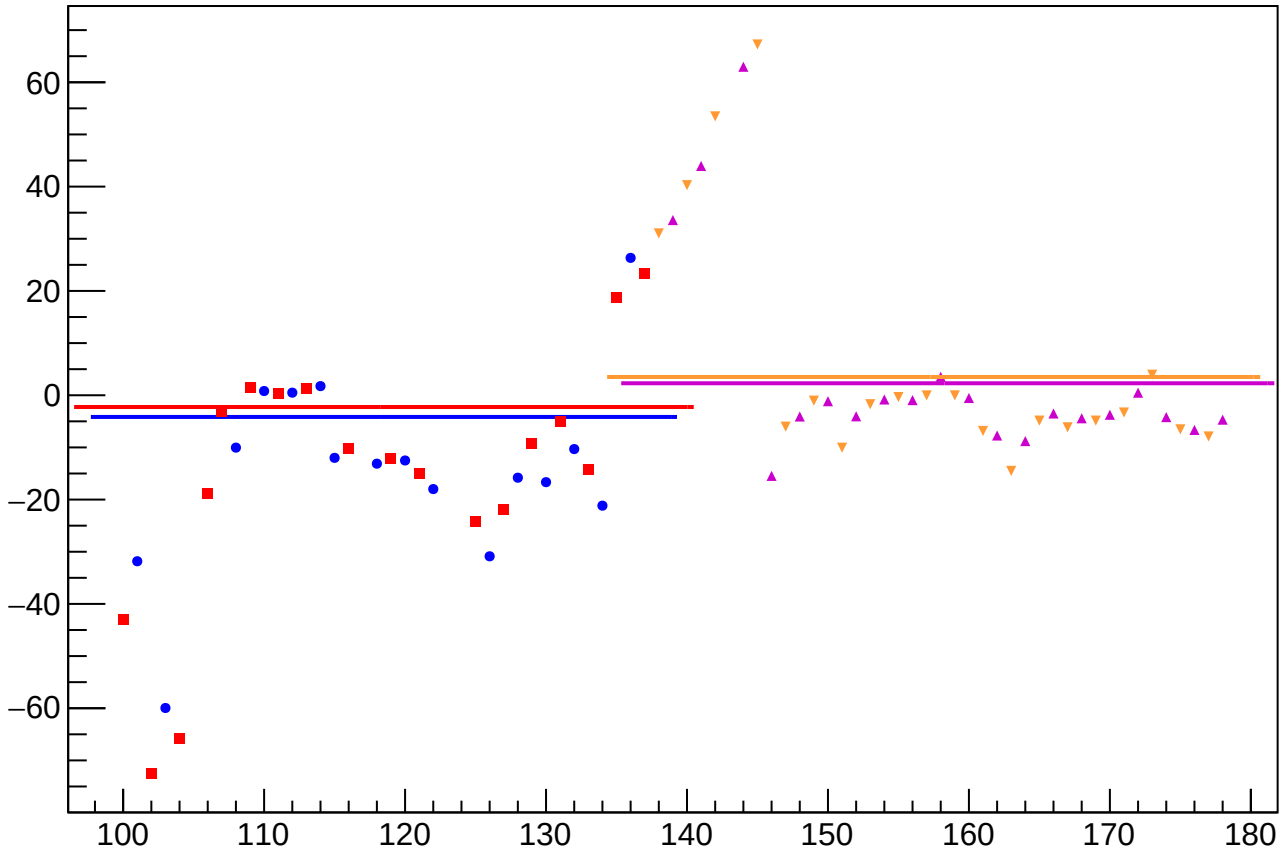
Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.025+/-0.001 χ^2/NDF:3892.0/19

+ sign -0.043+/-0.001 χ^2/NDF: 15755.2/35

All: -0.035+/-0.000 χ^2/NDF: 34888.6/73

- sign -0.030+/-0.001 χ^2/NDF: 18847.0/37



Right In: -4.159+/-0.054 χ^2/NDF: 75420.4/15

Left Out: 3.503+/-0.052 χ^2/NDF:124891.7/19

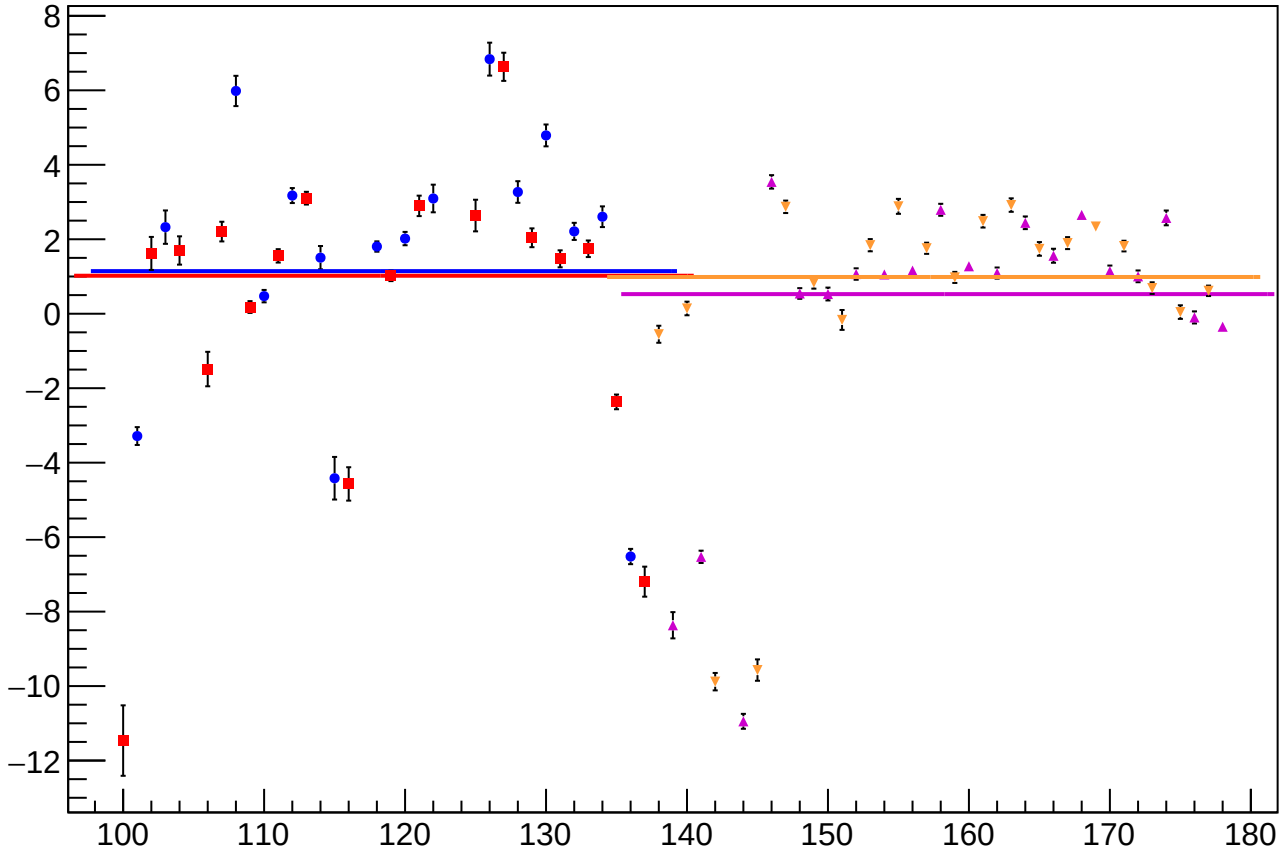
Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 2.300+/-0.045 χ^2/NDF:128753.3/19

+ sign -0.130+/-0.037 χ^2/NDF: 210751.6/35

All: -0.026+/-0.024 χ^2/NDF: 424115.9/73

- sign 0.051+/-0.032 χ^2/NDF: 213350.9/37



Right In: 1.144+/-0.060 χ^2/NDF: 2595.3/15

Left Out: 0.987+/-0.038 χ^2/NDF:4272.2/19

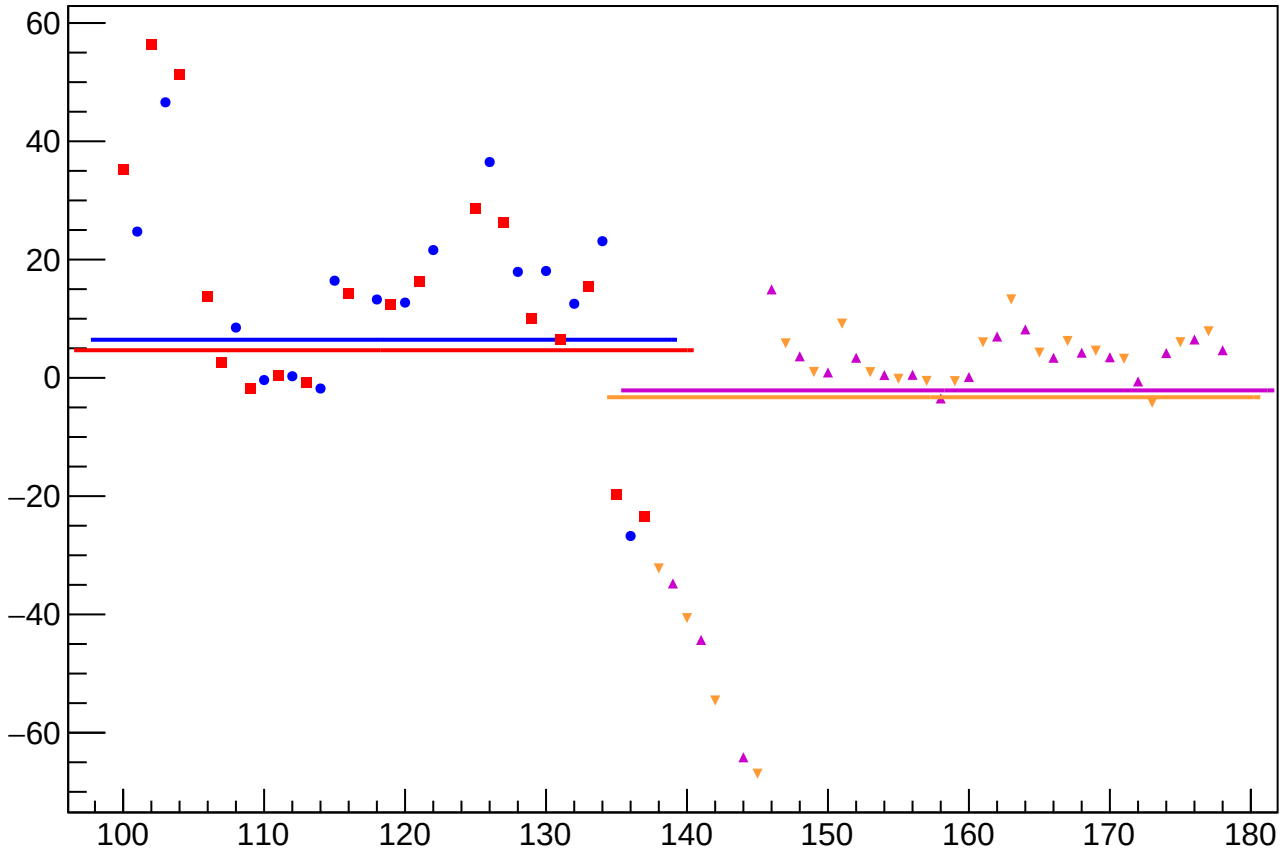
Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: 0.527+/-0.034 χ^2/NDF:6914.3/19

+ sign 1.033+/-0.032 χ^2/NDF: 6872.4/35

All: 0.824+/-0.022 χ^2/NDF: 15508.3/73

- sign 0.655+/-0.029 χ^2/NDF: 8560.8/37



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -3.277+/-0.051 χ^2/NDF:120272.1/19

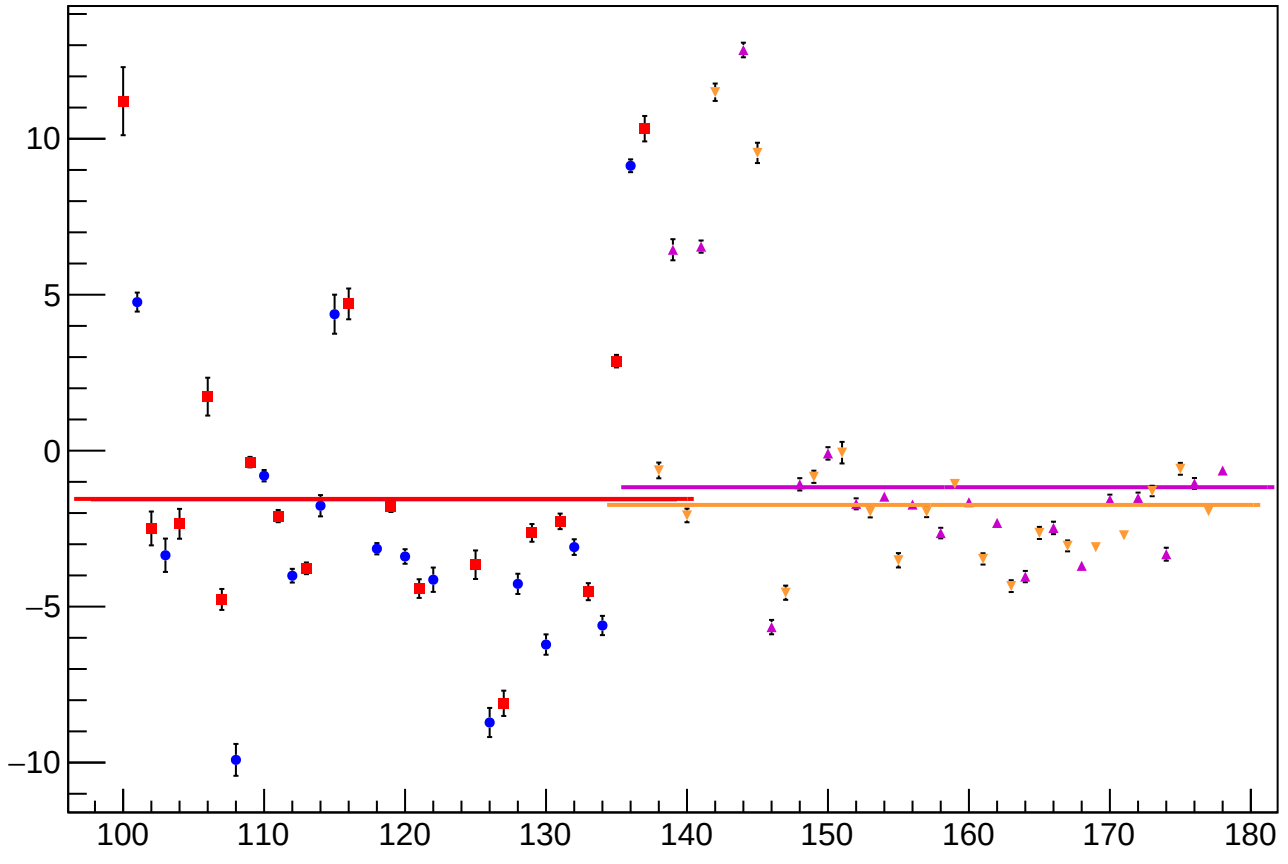
Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -2.120+/-0.044 χ^2/NDF:125711.8/19

+ sign 0.420+/-0.040 χ^2/NDF: 205010.2/35

All: 0.369+/-0.027 χ^2/NDF: 413611.8/73

- sign 0.329+/-0.035 χ^2/NDF: 208598.7/37



Right In: -1.558+/-0.069 χ^2/NDF: 4543.1/15

Left Out: -1.739+/-0.043 χ^2/NDF:4269.9/19

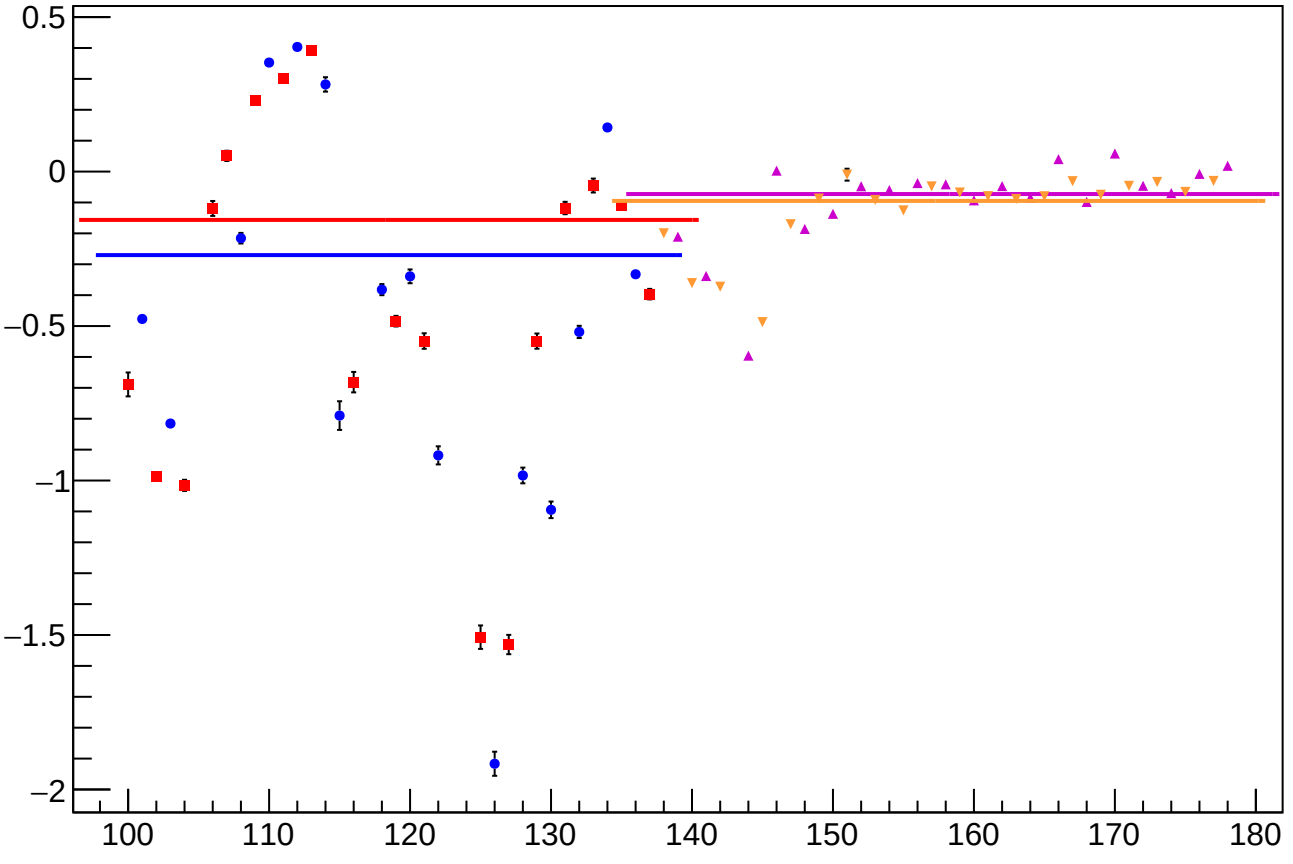
Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: -1.172+/-0.038 χ^2/NDF:6880.4/19

+ sign -1.689+/-0.037 χ^2/NDF: 8817.9/35

All: -1.455+/-0.024 χ^2/NDF: 18267.6/73

- sign -1.268+/-0.033 χ^2/NDF: 9375.6/37



Right In: -0.270+/-0.004 χ^2/NDF: 12096.8/15

Left Out: -0.095+/-0.002 χ^2/NDF:2510.7/19

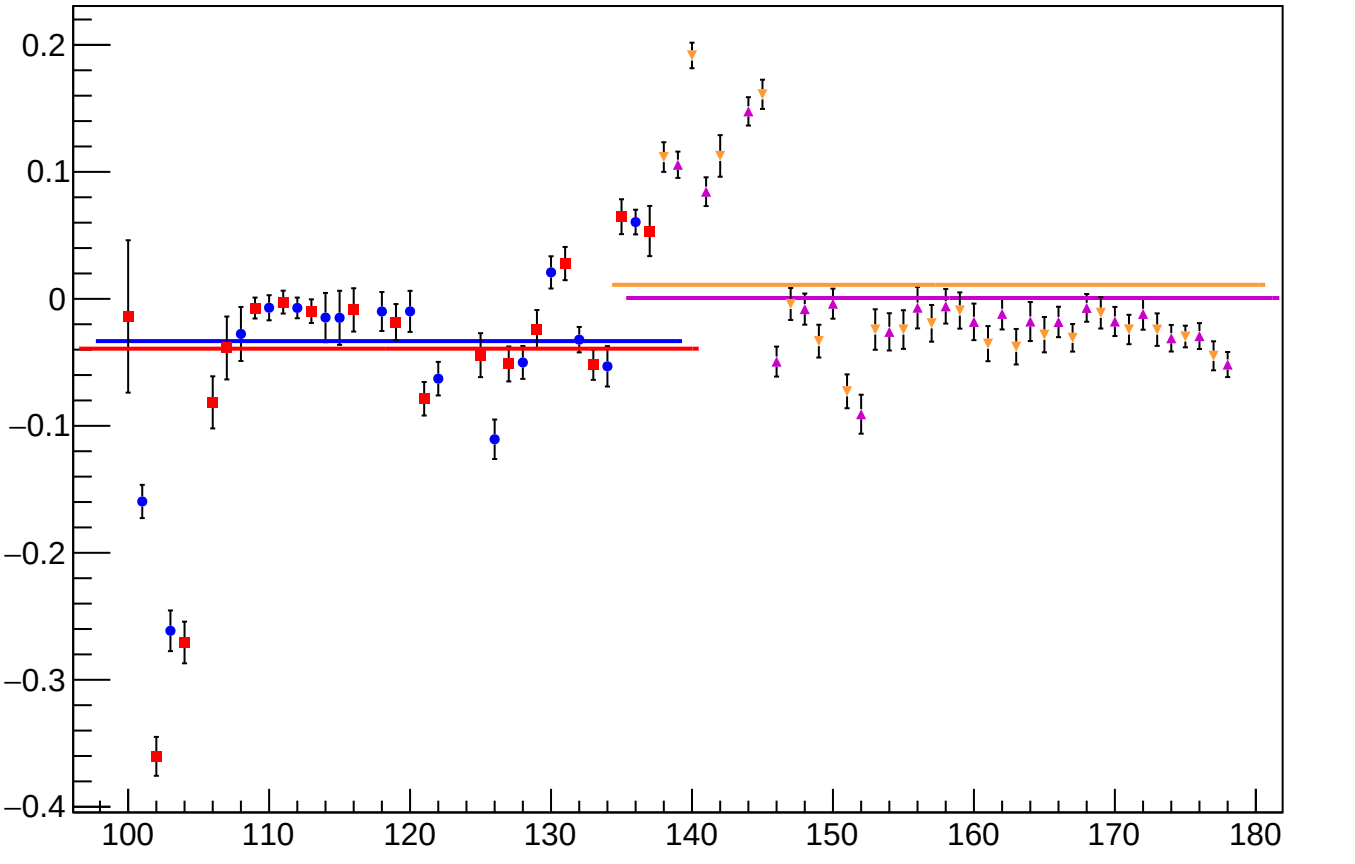
Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.073+/-0.002 χ^2/NDF:3996.9/19

+ sign -0.125+/-0.002 χ^2/NDF: 16100.6/35

All: -0.102+/-0.001 χ^2/NDF: 35841.0/73

- sign -0.086+/-0.001 χ^2/NDF: 19440.2/37



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.011+/-0.003 χ^2/NDF:786.3/19

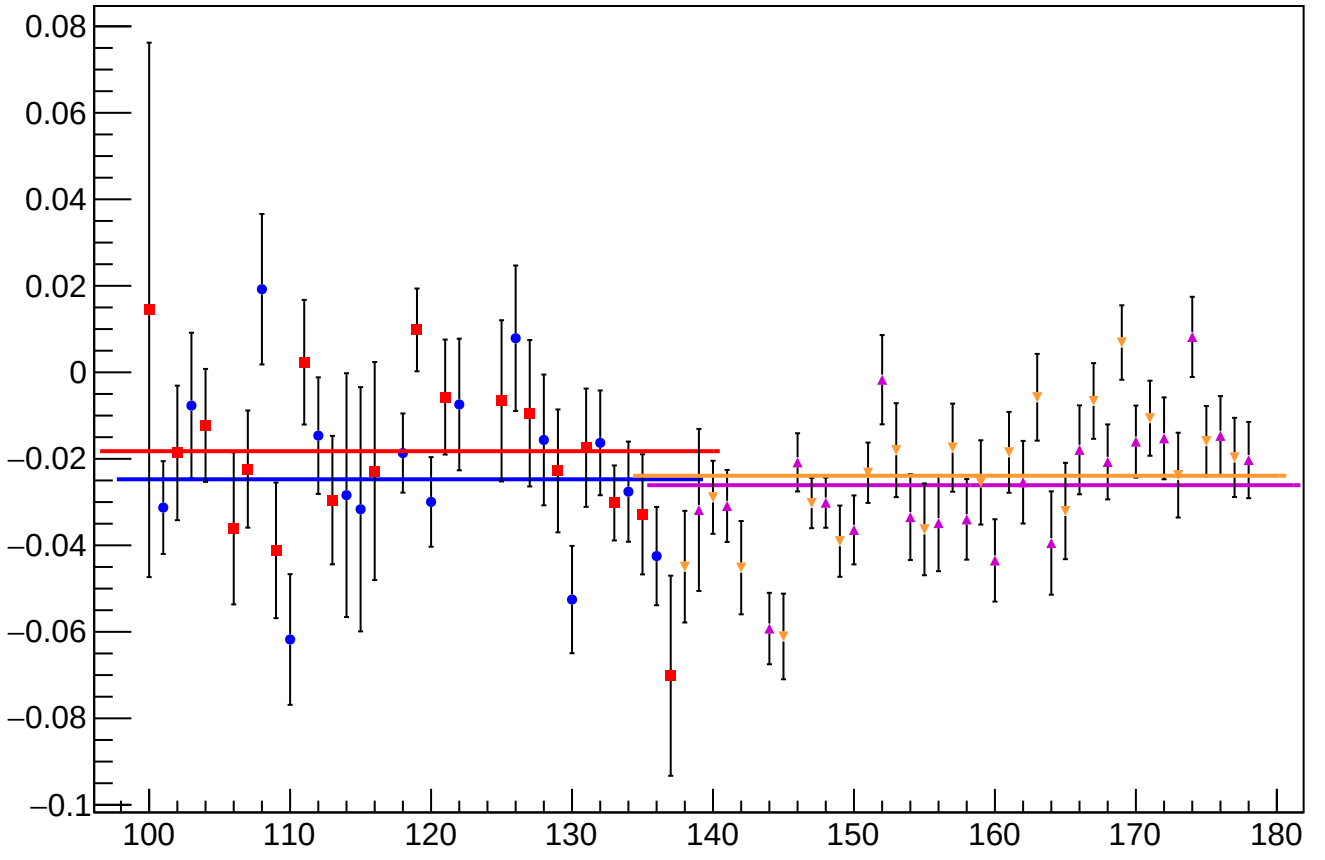
Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: 0.001+/-0.003 χ^2/NDF:445.0/19

+ sign -0.008+/-0.002 χ^2/NDF: 1358.7/35

All: -0.012+/-0.001 χ^2/NDF: 2710.5/73

- sign -0.016+/-0.002 χ^2/NDF: 1344.2/37



Right In: -0.025+/-0.003 χ^2/NDF: 28.5/15

Left Out: -0.024+/-0.002 χ^2/NDF:52.0/19

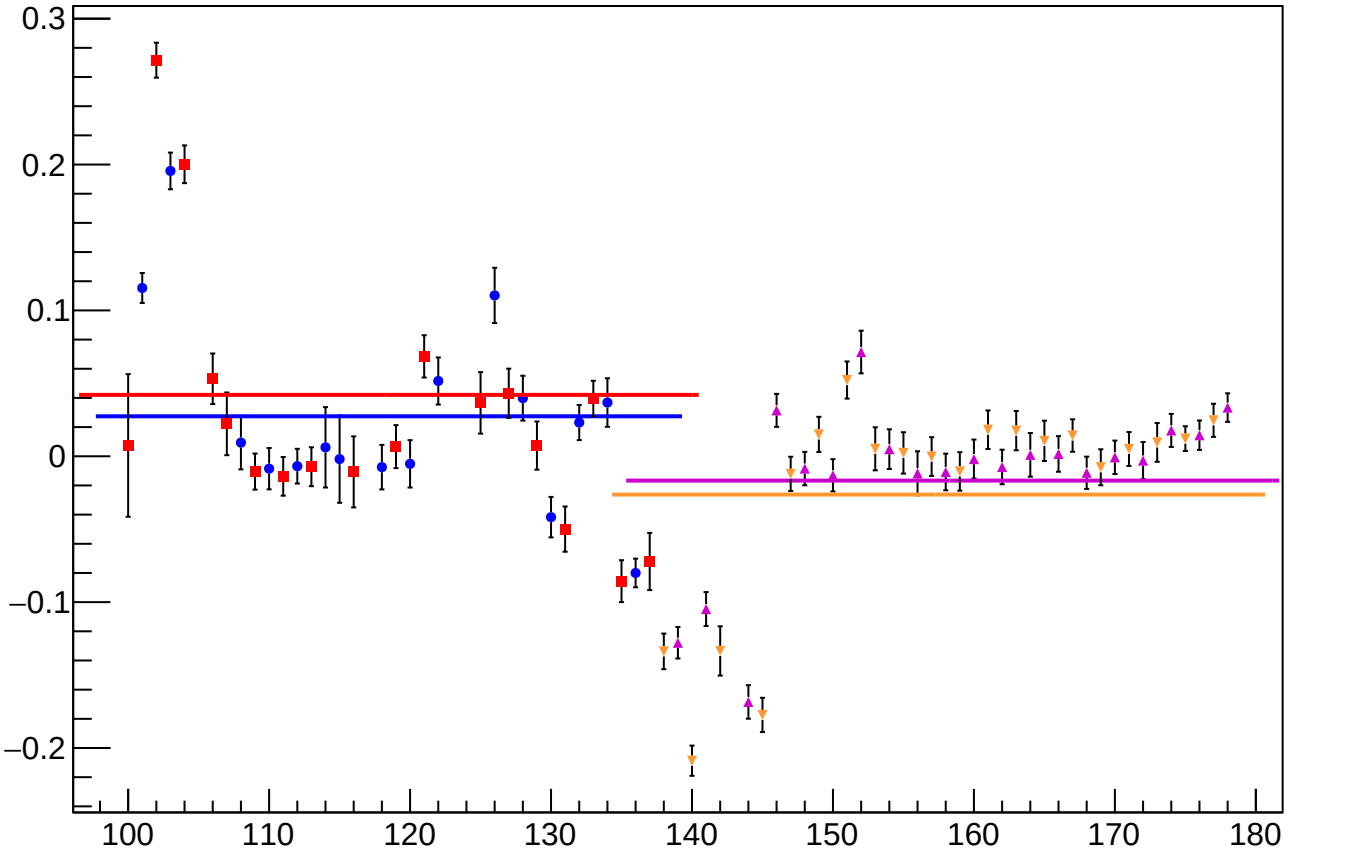
Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.026+/-0.002 χ^2/NDF:50.8/19

+ sign -0.024+/-0.002 χ^2/NDF: 80.6/35

All: -0.024+/-0.001 χ^2/NDF: 160.1/73

- sign -0.024+/-0.002 χ^2/NDF: 79.5/37



Right In: 0.027+/-0.004 χ^2/NDF: 446.1/15

Left Out: -0.026+/-0.003 χ^2/NDF:758.3/19

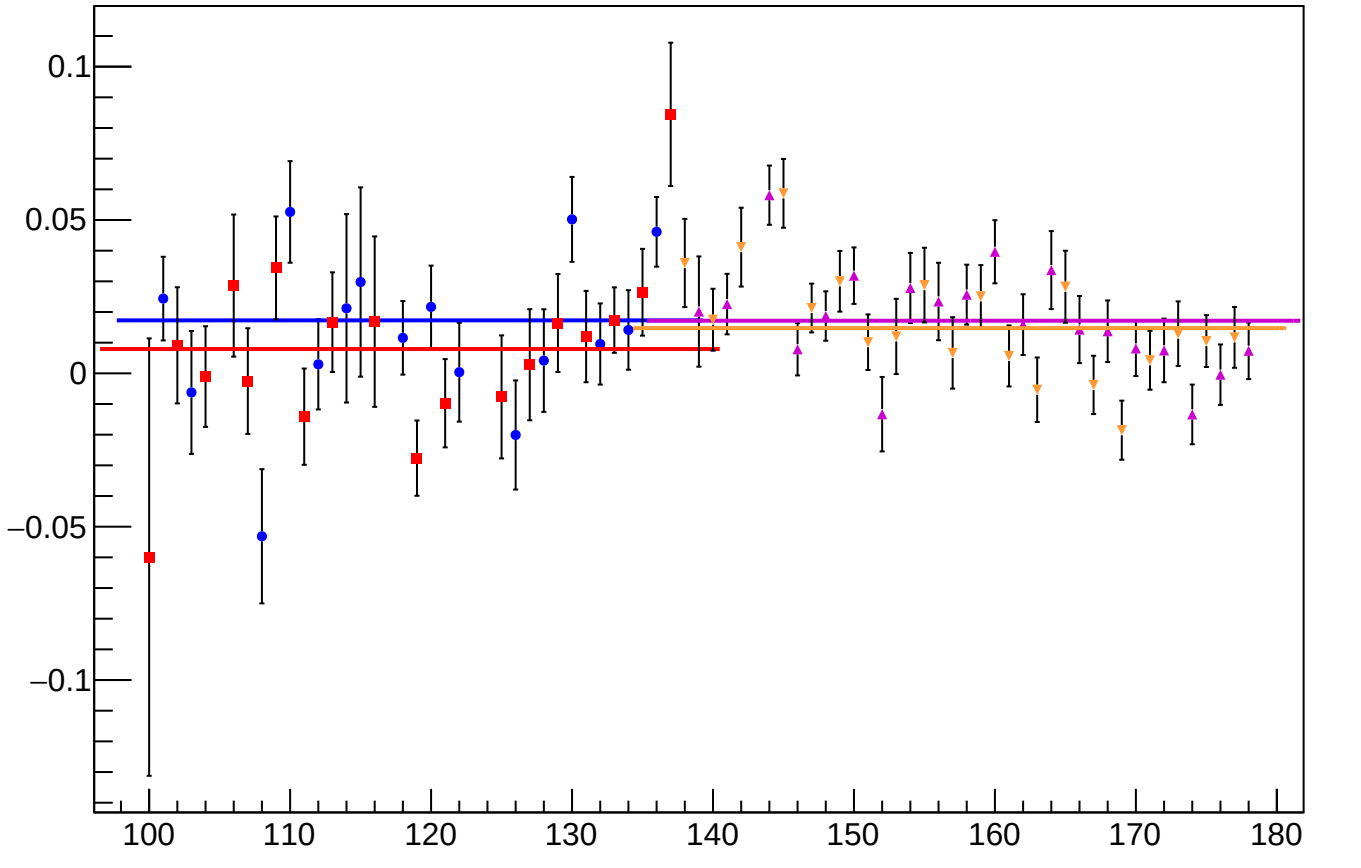
Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.017+/-0.003 χ^2/NDF:449.2/19

+ sign -0.006+/-0.002 χ^2/NDF: 1346.5/35

All: -0.001+/-0.002 χ^2/NDF: 2710.3/73

- sign 0.004+/-0.002 χ^2/NDF: 1352.7/37



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.015+/-0.002 χ^2/NDF:51.1/19

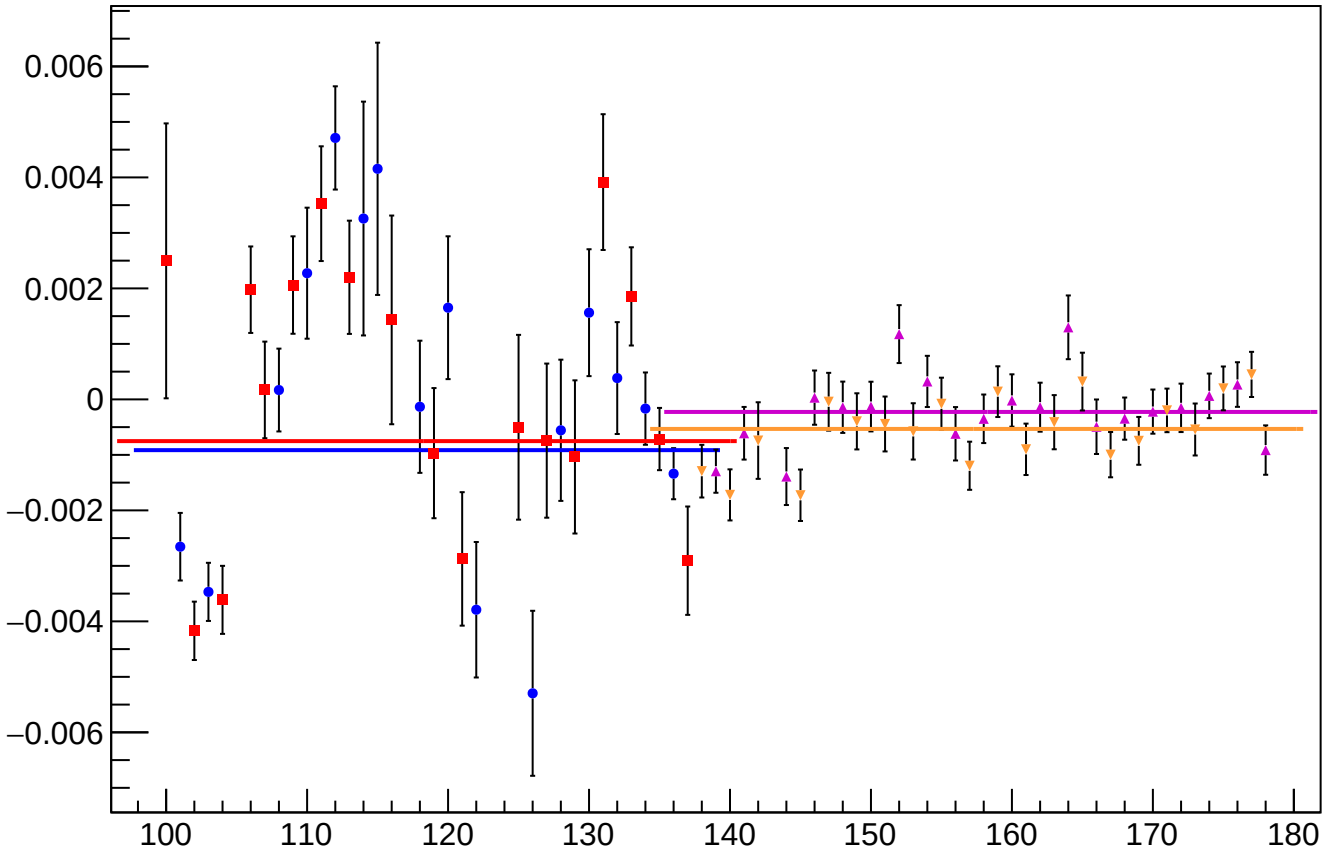
Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.017+/-0.002 χ^2/NDF:52.9/19

+ sign 0.015+/-0.002 χ^2/NDF: 88.1/35

All: 0.015+/-0.001 χ^2/NDF: 176.7/73

- sign 0.015+/-0.002 χ^2/NDF: 88.5/37



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.001+/-0.000 χ^2/NDF:37.3/19

Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

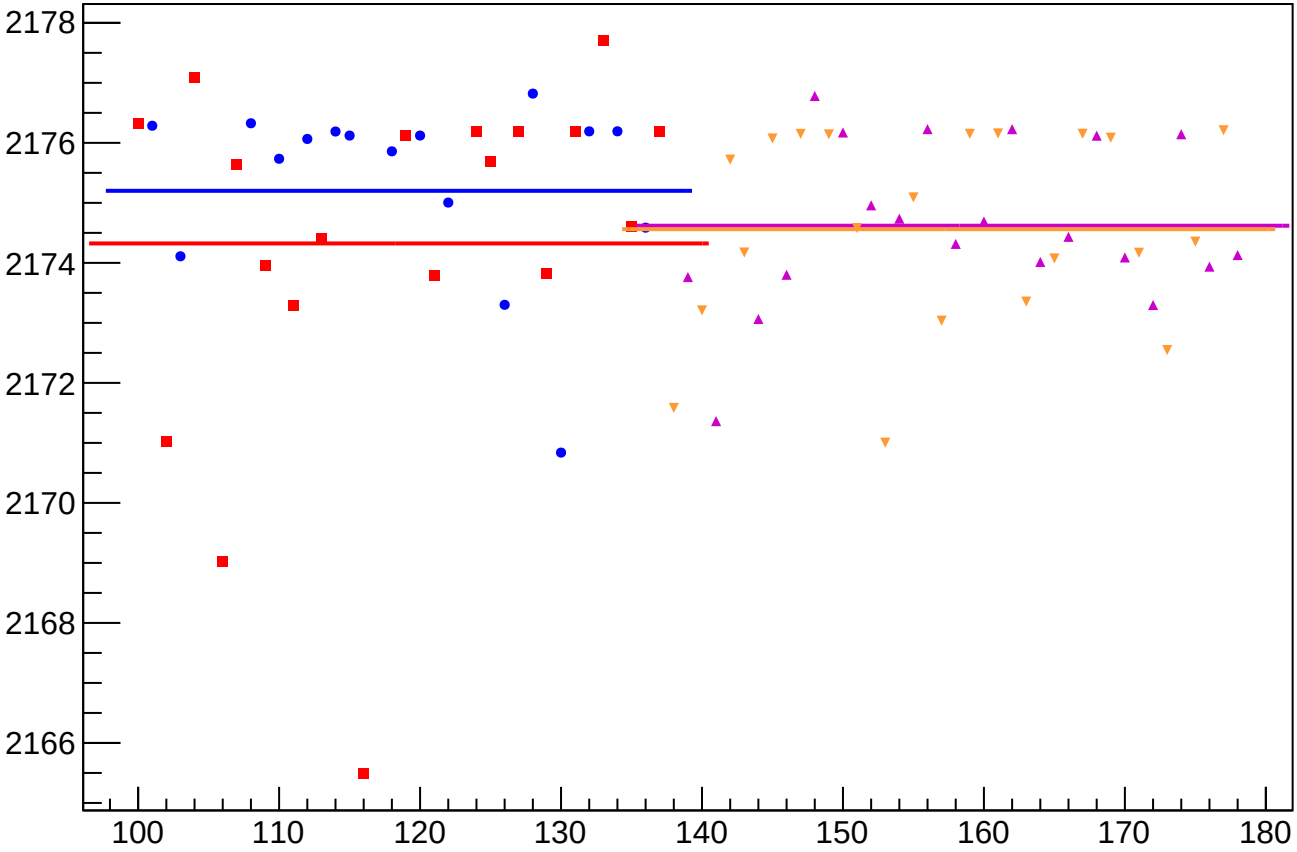
Left In: -0.000+/-0.000 χ^2/NDF:35.2/19

+ sign -0.001+/-0.000 χ^2/NDF: 154.0/35

All: -0.000+/-0.000 χ^2/NDF: 346.6/73

- sign -0.000+/-0.000 χ^2/NDF: 187.8/37

HALLA_p_mean vs Slug



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

Left Out: 2174.562+/-0.000 χ^2/NDF:44921562844248388765054940689203 20.0/20

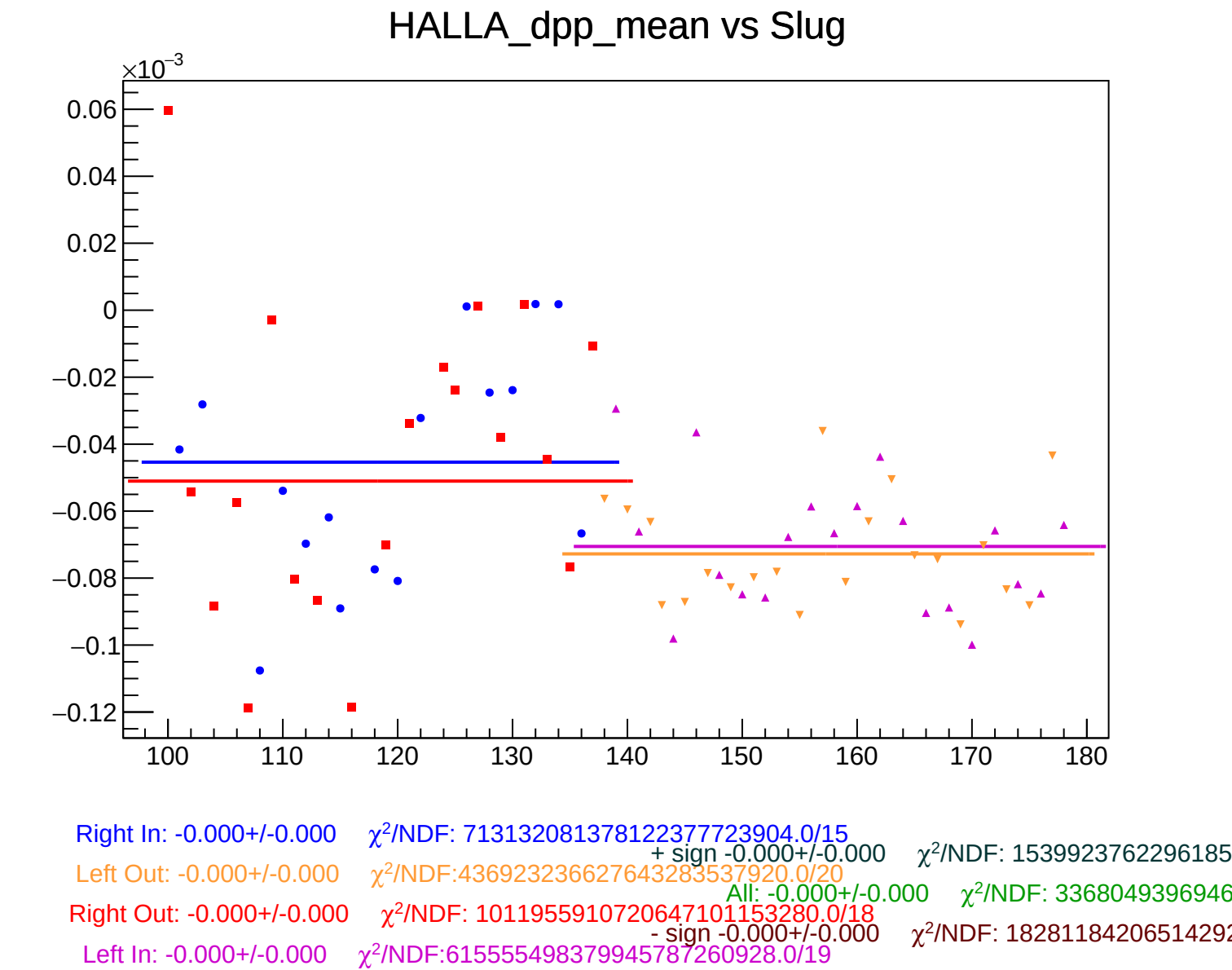
Right Out: 2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171827 2.0/18

Left In: 2174.619+/-0.000 χ^2/NDF:30797612878022967464480249783255 04.0/19

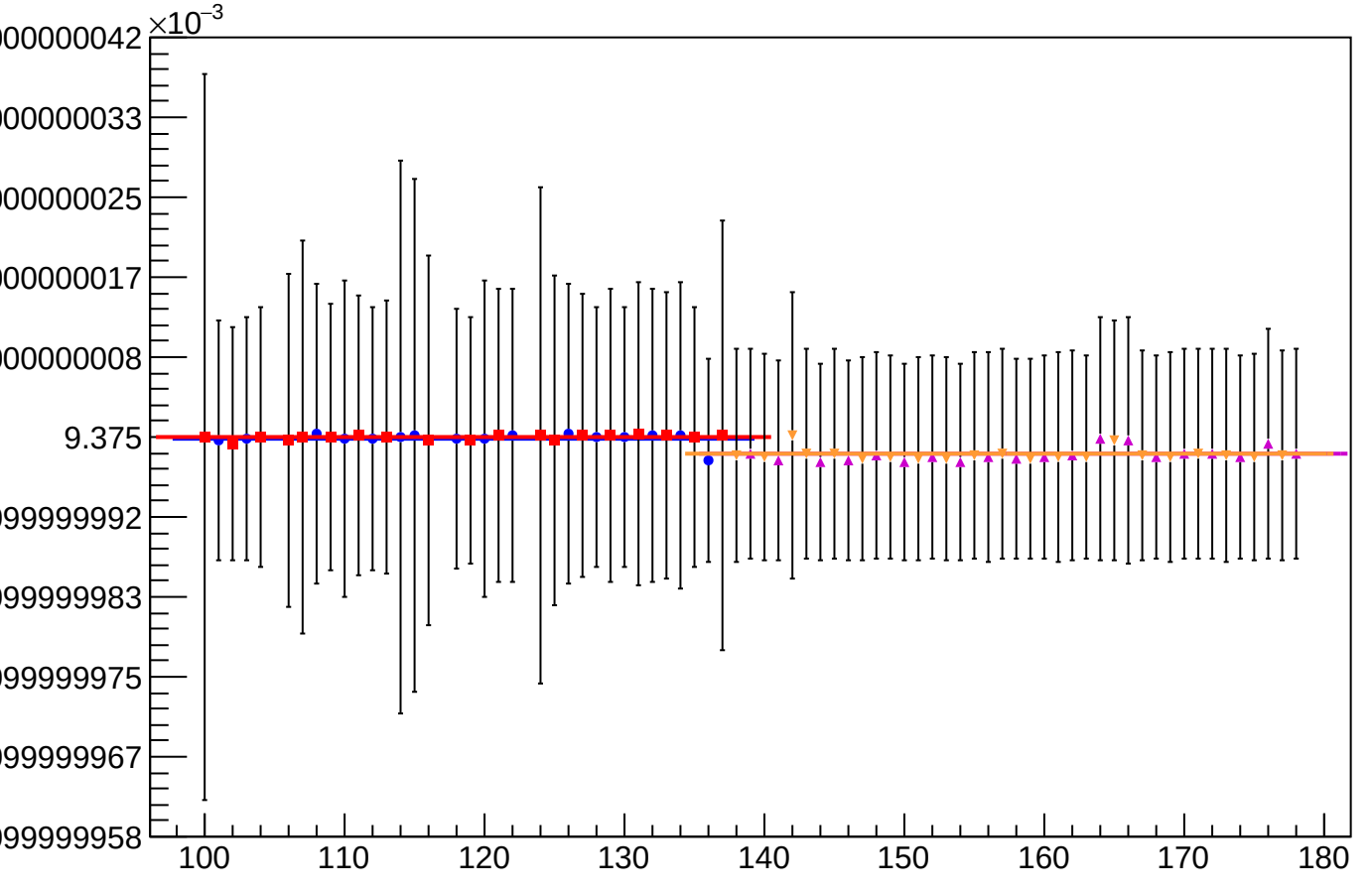
+ sign 2174.753+/-0.000 χ^2/NDF: 6469998385727 4

All: 2174.641+/-0.000 χ^2/NDF: 1520064081 8

- sign 2174.528+/-0.000 χ^2/NDF: 8667908212933 3


HALLA_dpp_mean vs Slug
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 7131320813781223777239040.0/15
Left Out: -0.000+/-0.000 χ²/NDF:4369232366276432835379200.0/20
Right Out: -0.000+/-0.000 χ²/NDF: 10119559107206471011532800.0/18
Left In: -0.000+/-0.000 χ²/NDF:6155554983799457872609280.0/19
+ sign -0.000+/-0.000 χ²/NDF: 1539923762296185
All: -0.000+/-0.000 χ²/NDF: 3368049396946
- sign -0.000+/-0.000 χ²/NDF: 18281184206514292

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:0.0/20

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

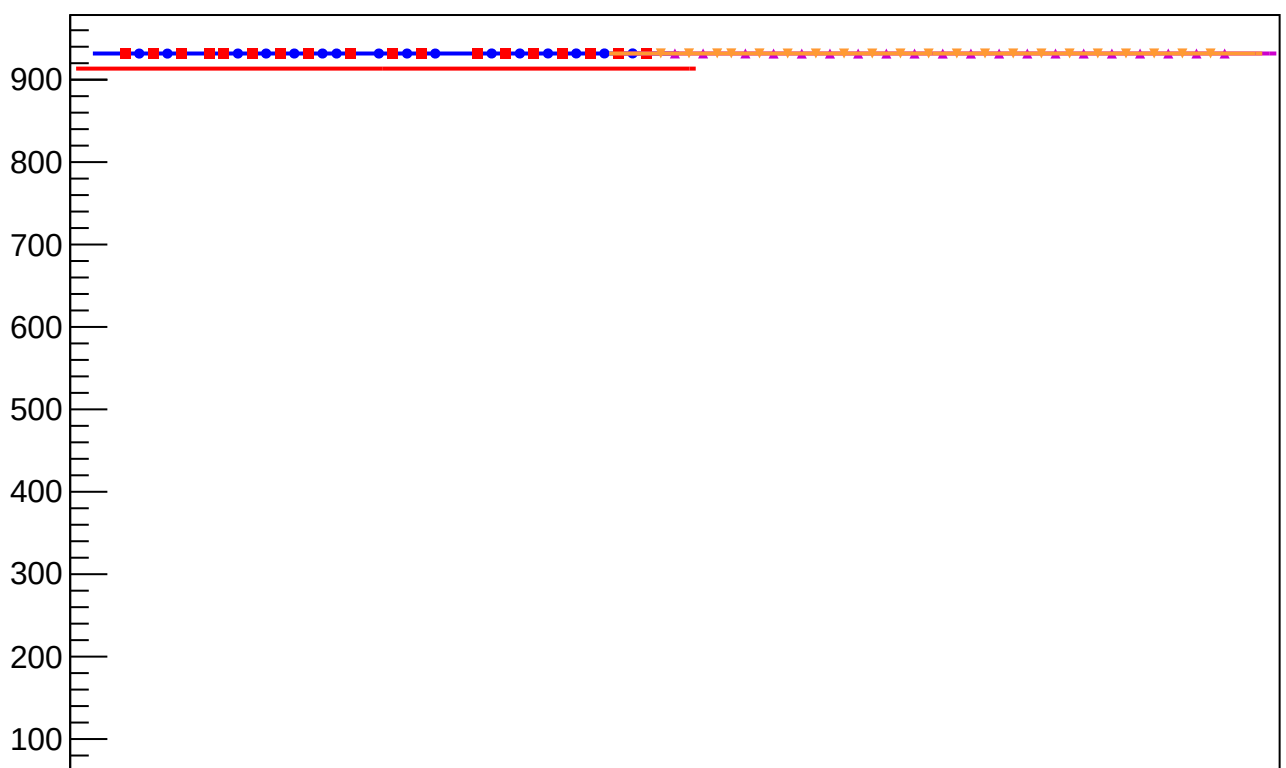
Left In: 0.009+/-0.000 χ^2/NDF:0.1/19

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/36

All: 0.009+/-0.000 χ^2/NDF: 0.5/75

- sign 0.009+/-0.000 χ^2/NDF: 0.3/38

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 931.769+/-0.000 χ^2/NDF: 2757217223595001187167685836800.0/15

+ sign 931.780+/-0.000 χ^2/NDF: 707479991986478

Left Out: 931.785+/-0.000 χ^2/NDF:4183180514851645781908949827584.0/20

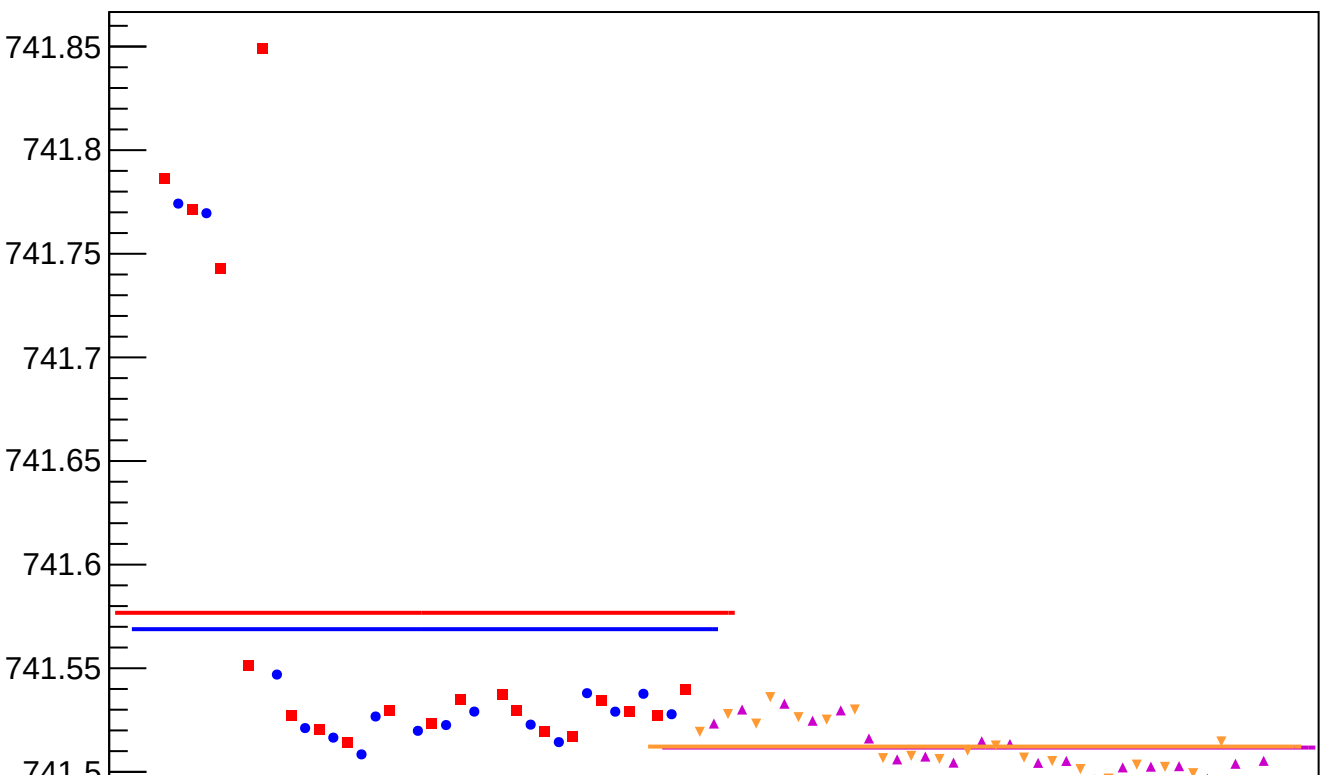
All: 928.948+/-0.000 χ^2/NDF: 129827181908

Right Out: 913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

- sign 926.099+/-0.000 χ^2/NDF: 129428425544173

Left In: 931.778+/-0.000 χ^2/NDF:3813126790356706156315431403520.0/19

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.569+/-0.000 χ^2/NDF: 643295117612794706193889938636 8.0/15

Left Out: 741.512+/-0.000 χ^2/NDF:233633482759294163114541449216.0/20

Right Out: 741.577+/-0.000 χ^2/NDF: 769226394789261471153747761561 6.0/18

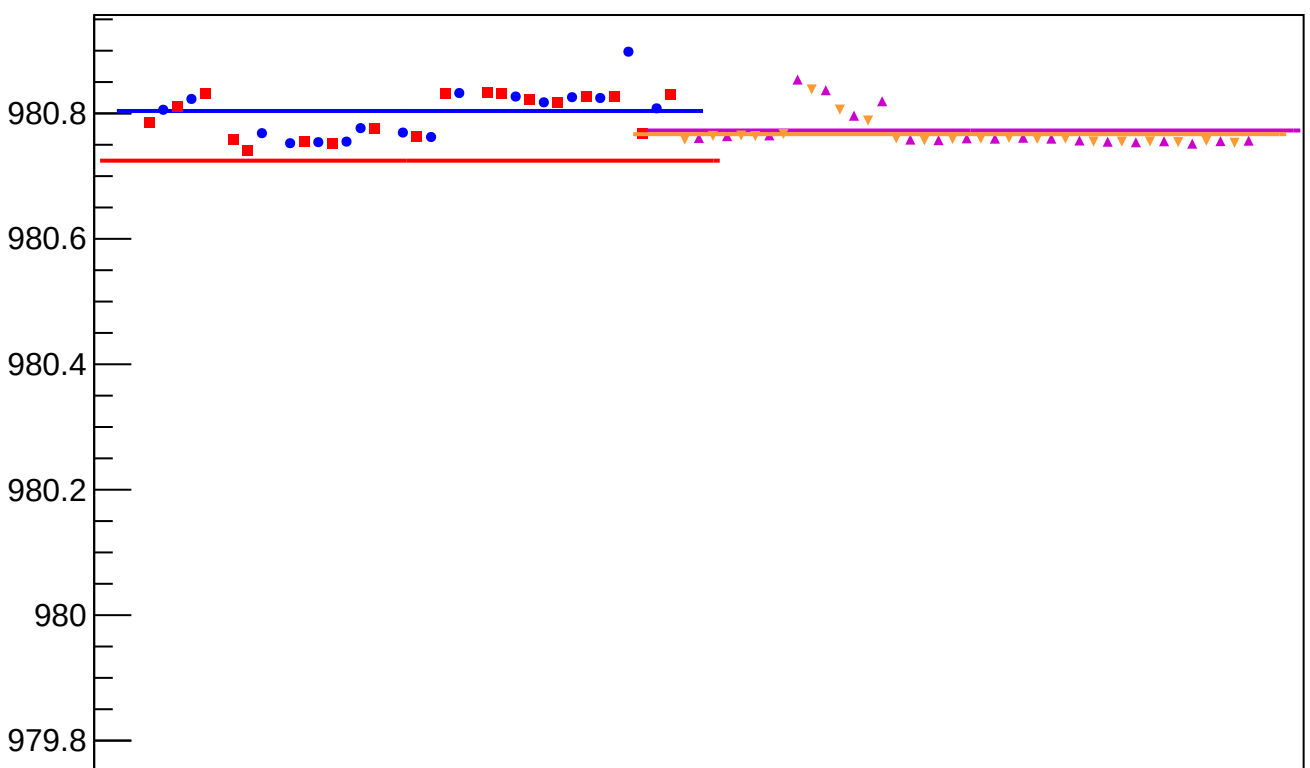
Left In: 741.512+/-0.000 χ^2/NDF:212102474236135944602104365056.0/19

+ sign 741.529+/-0.000 χ^2/NDF: 833373683422514

All: 741.531+/-0.000 χ^2/NDF: 184745571942

- sign 741.532+/-0.000 χ^2/NDF: 101316282365825

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.804+/-0.000 χ^2/NDF: 9333132768848077867742459330560/15

Left Out: 980.767+/-0.000 χ^2/NDF:74033991991057327363731331481 6.0/20

Right Out: 980.725+/-0.000 χ^2/NDF: 560402056173583362216628762705920/18

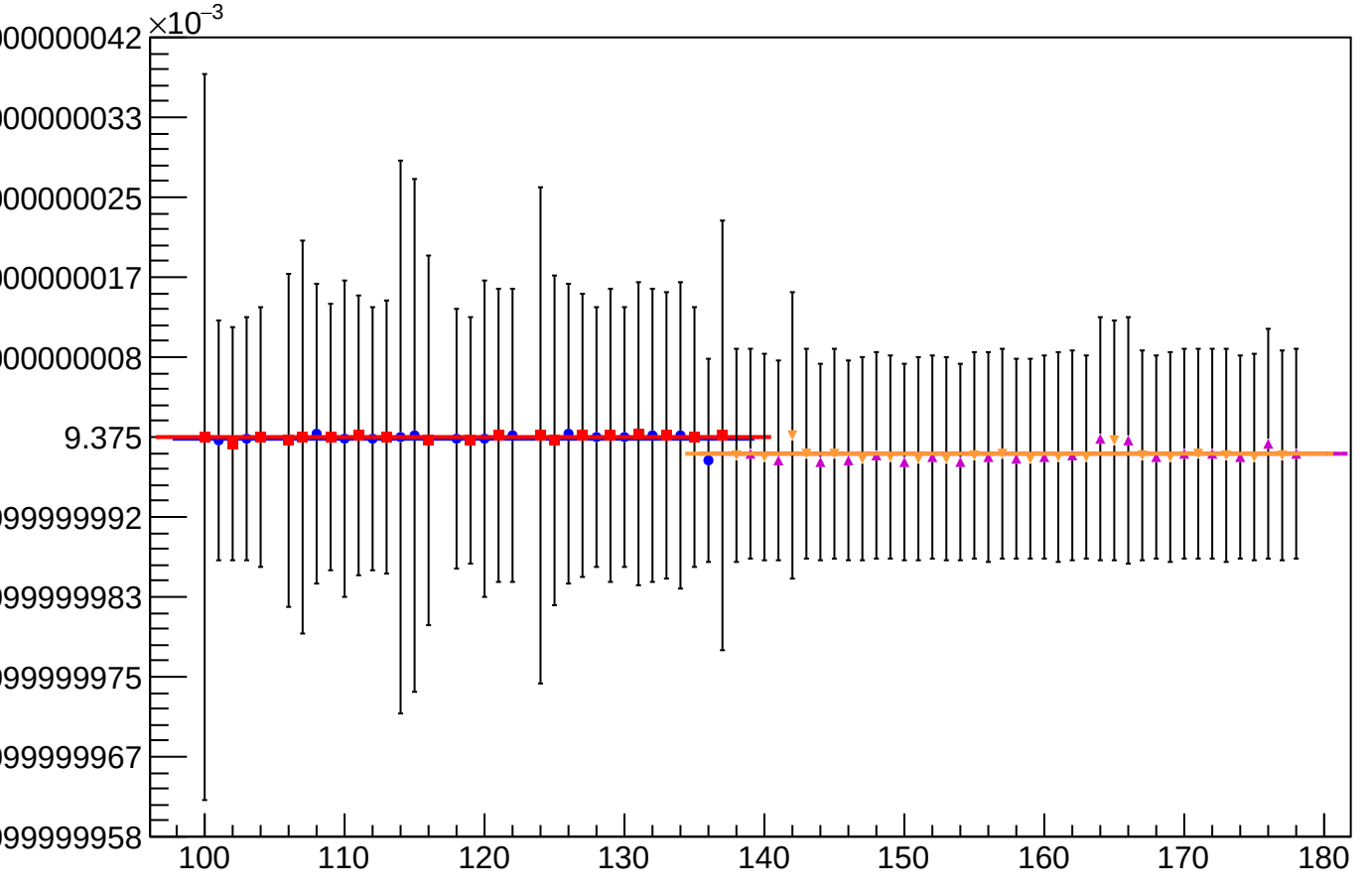
Left In: 980.773+/-0.000 χ^2/NDF:14958960041641615957004312903680/19

+ sign 980.778+/-0.000 χ^2/NDF: 238637385374830

All: 980.768+/-0.000 χ^2/NDF: 616373395133

- sign 980.758+/-0.000 χ^2/NDF: 587534082399402

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:0.0/20

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

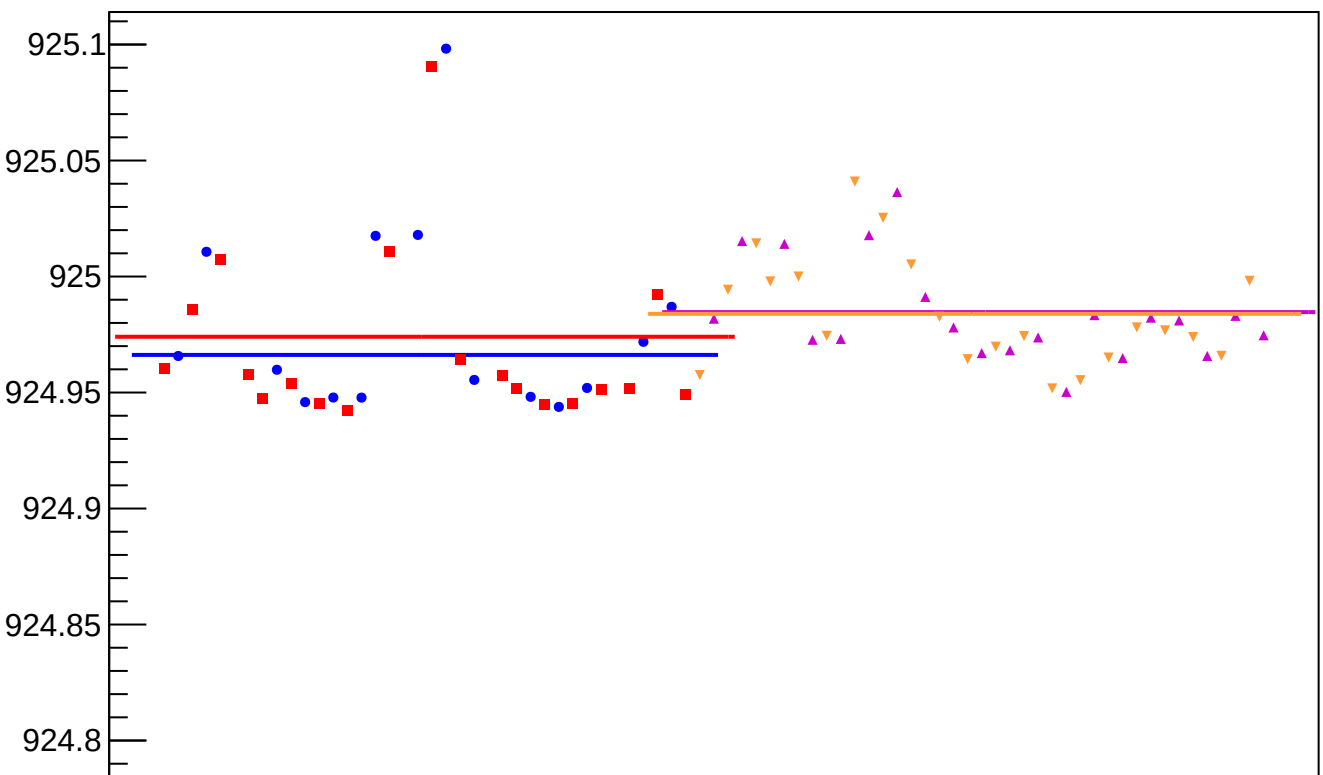
Left In: 0.009+/-0.000 χ^2/NDF:0.1/19

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/36

All: 0.009+/-0.000 χ^2/NDF: 0.5/75

- sign 0.009+/-0.000 χ^2/NDF: 0.3/38

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.966+/-0.000 χ^2/NDF: 2544370508087658800533037121536.0/15

Left Out: 924.984+/-0.000 χ^2/NDF:926198981231542649172619427840.0/20

Right Out: 924.974+/-0.000 χ^2/NDF: 124198152111689090023635183206 4.0/18

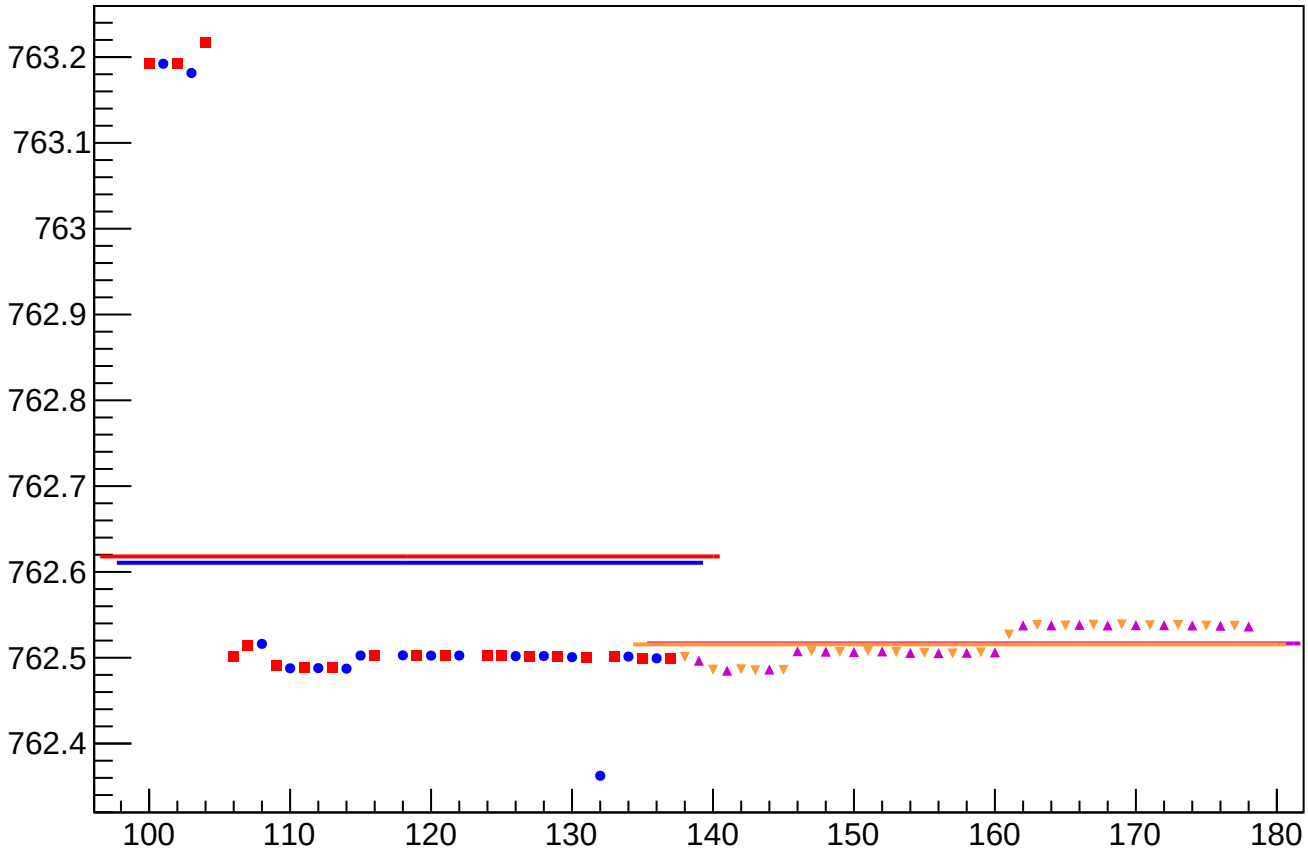
Left In: 924.985+/-0.000 χ^2/NDF:75890803868489128769506561228 8.0/19

+ sign 924.979+/-0.000 χ^2/NDF: 363336221376897

All: 924.980+/-0.000 χ^2/NDF: 57029816209

- sign 924.981+/-0.000 χ^2/NDF: 206028537097313

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.611+/-0.000 χ^2/NDF: 52161453489138778834460408283136.0/15

Left Out: 762.516+/-0.000 χ^2/NDF:67257317768348247573152976076 8.0/20

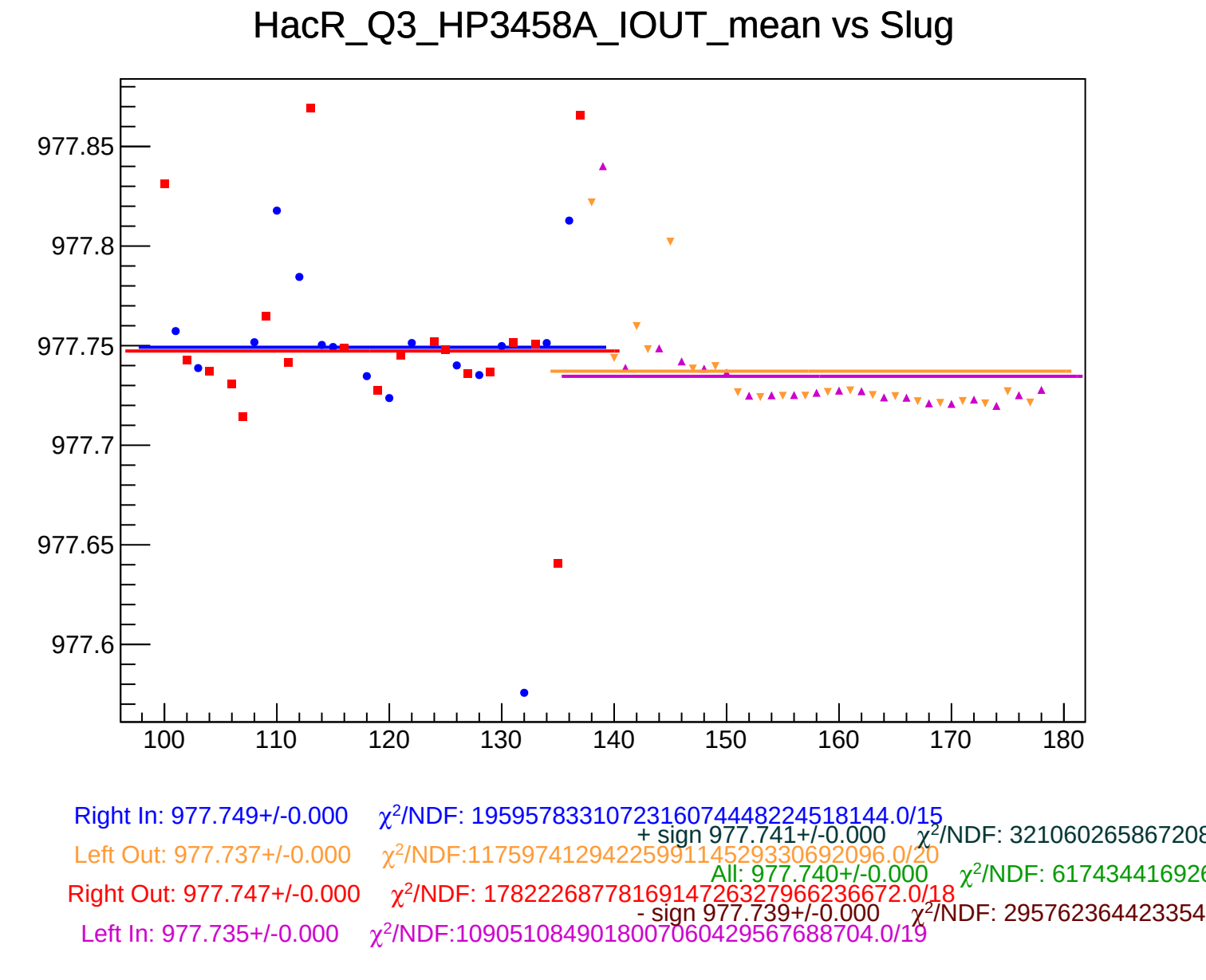
Right Out: 762.618+/-0.000 χ^2/NDF: 53134338532630395841297843748864.0/18

Left In: 762.517+/-0.000 χ^2/NDF:60191739332264135732300139724 8.0/19

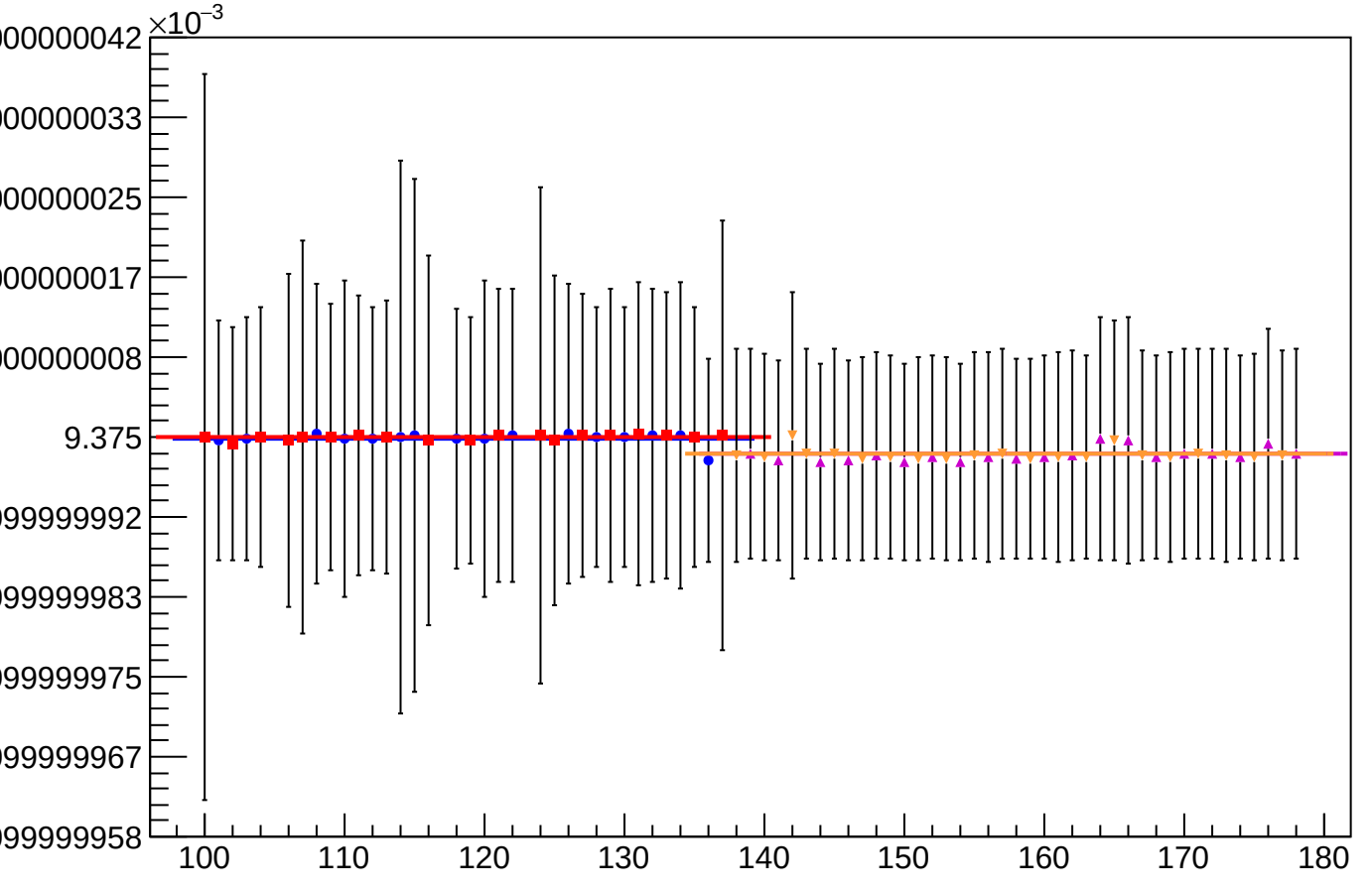
+ sign 762.544+/-0.000 χ^2/NDF: 575384916914579

All: 762.546+/-0.000 χ^2/NDF: 1167103321340

- sign 762.548+/-0.000 χ^2/NDF: 591513957110927


HacR_Q3_HP3458A_IOUT_mean vs Slug
977.85
977.8
977.75
977.7
977.65
977.6
100
110
120
130
140
150
160
170
180
Right In: 977.749+/-0.000 χ²/NDF: 19595783310723160744482245181440.0/15
Left Out: 977.737+/-0.000 χ²/NDF:1175974129422599114529330692096.0/20
Right Out: 977.747+/-0.000 χ²/NDF: 178222687781691472632796623667 2.0/18
Left In: 977.735+/-0.000 χ²/NDF:109051084901800706042956768870 4.0/19
+ sign 977.741+/-0.000 χ²/NDF: 321060265867208
All: 977.740+/-0.000 χ²/NDF: 617434416926
- sign 977.739+/-0.000 χ²/NDF: 295762364423354

hesDipole_current_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/20

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

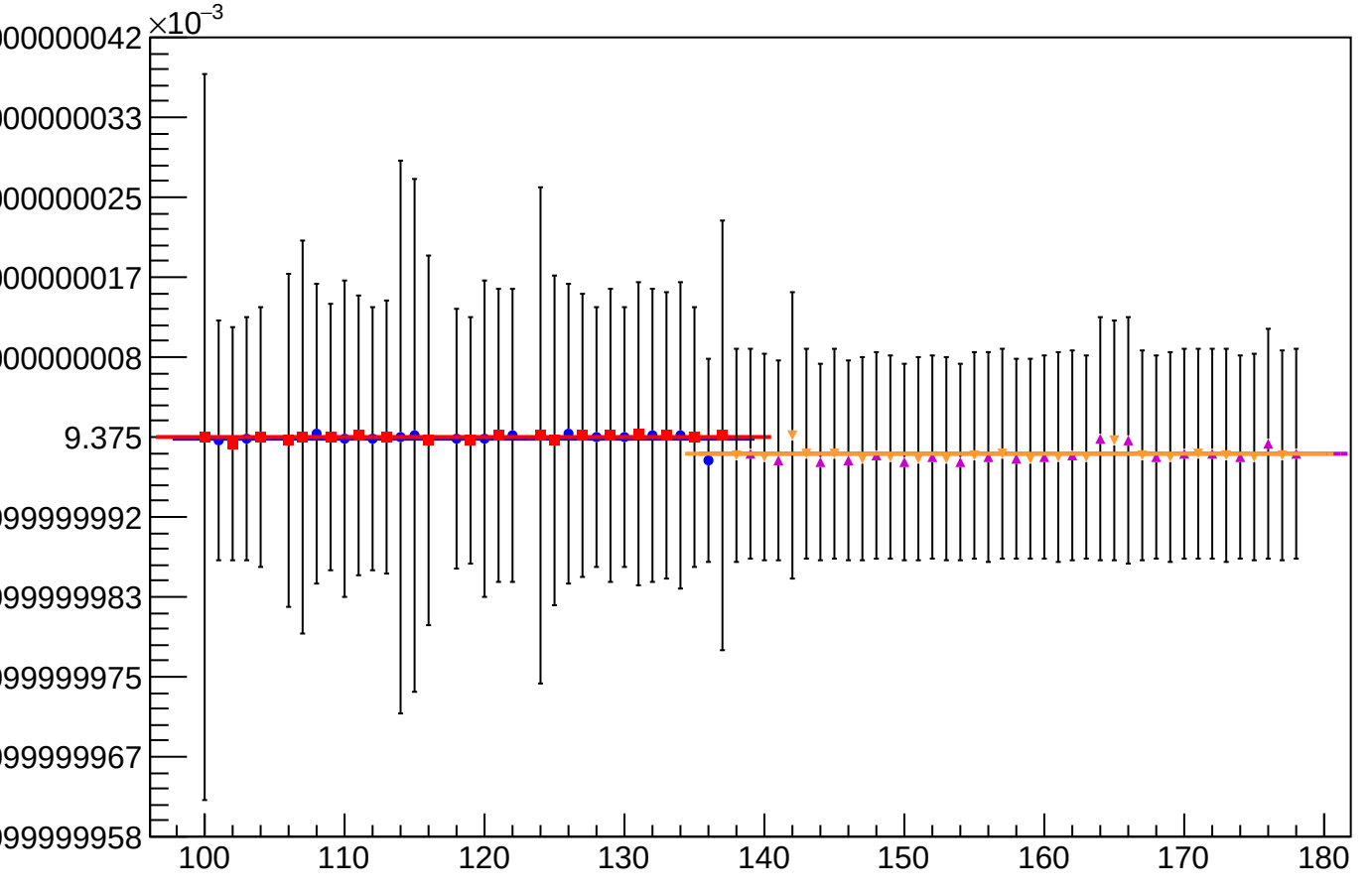
Left In: 0.009+/-0.000 χ^2/NDF:0.1/19

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/36

All: 0.009+/-0.000 χ^2/NDF: 0.5/75

- sign 0.009+/-0.000 χ^2/NDF: 0.3/38

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:0.0/20

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

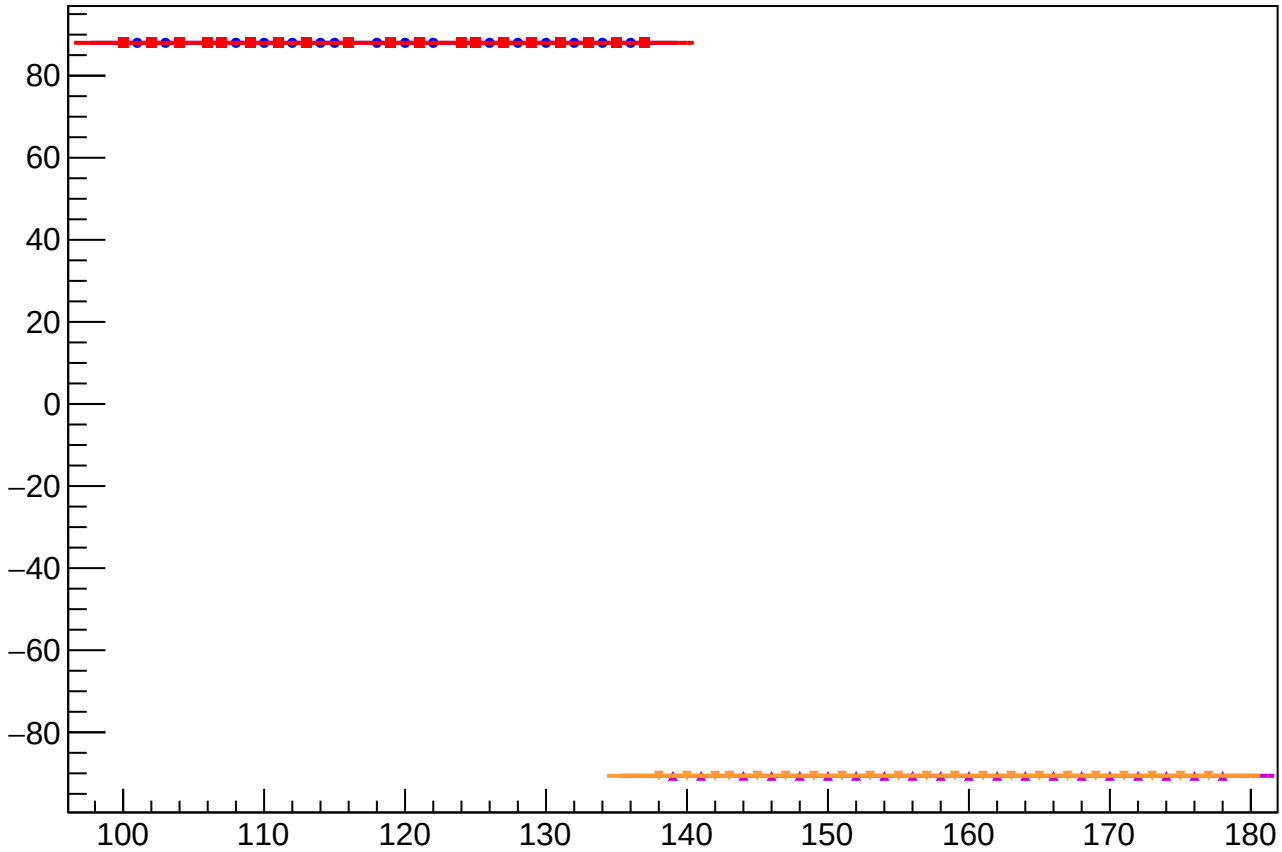
Left In: 0.009+/-0.000 χ^2/NDF:0.1/19

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/36

All: 0.009+/-0.000 χ^2/NDF: 0.5/75

- sign 0.009+/-0.000 χ^2/NDF: 0.3/38

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:4769213.2/20

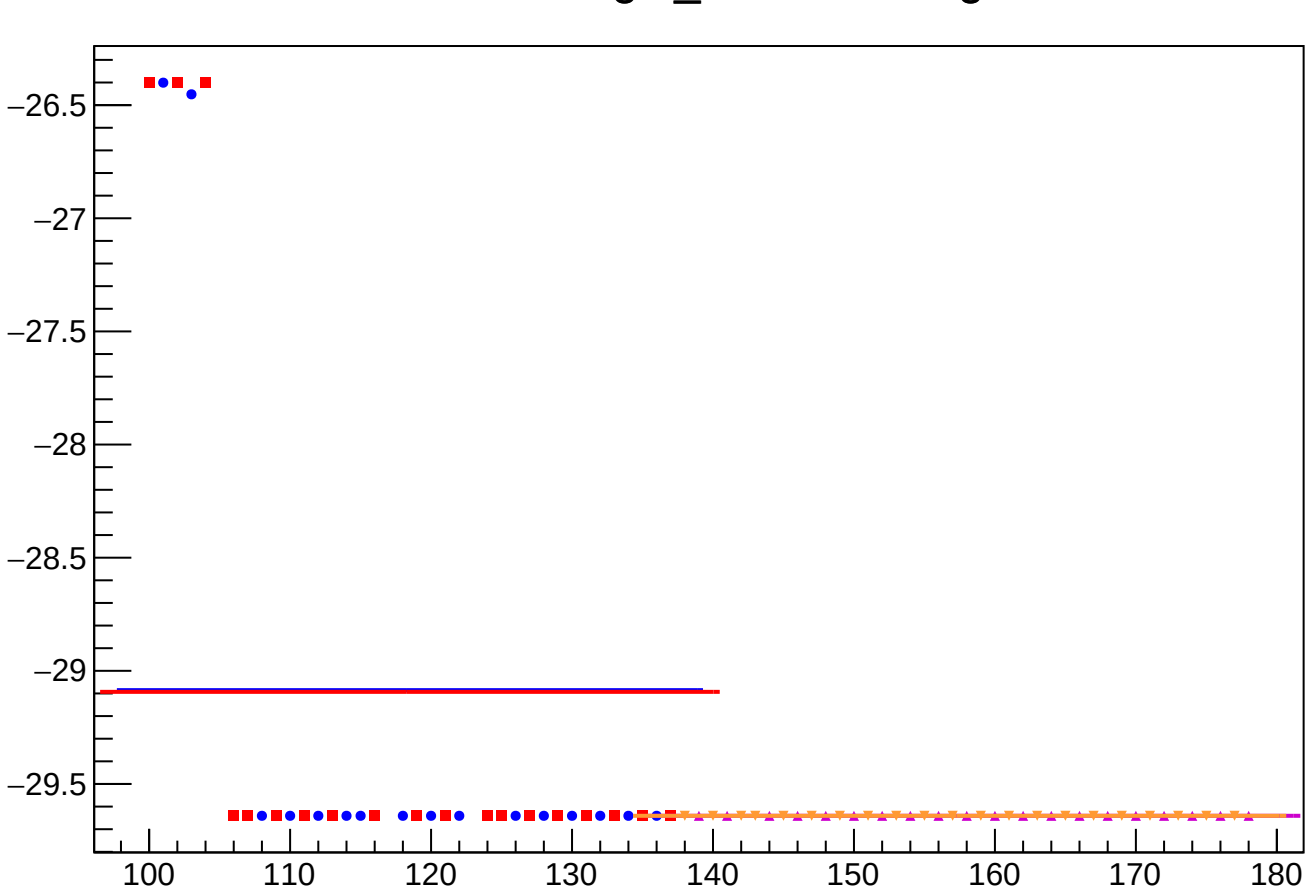
Right Out: 88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

Left In: -90.599+/-0.000 χ^2/NDF:5802583.1/19

+ sign -37.192+/-0.000 χ^2/NDF: 165683642378207

All: -36.234+/-0.000 χ^2/NDF: 33371989252

- sign -35.271+/-0.000 χ^2/NDF: 167990648651739



Right In: -29.085+/-0.000 χ^2/NDF: 109436788525160987735503641195315 2.0/15

Left Out: -29.641+/-0.000 χ^2/NDF:450887.6/20

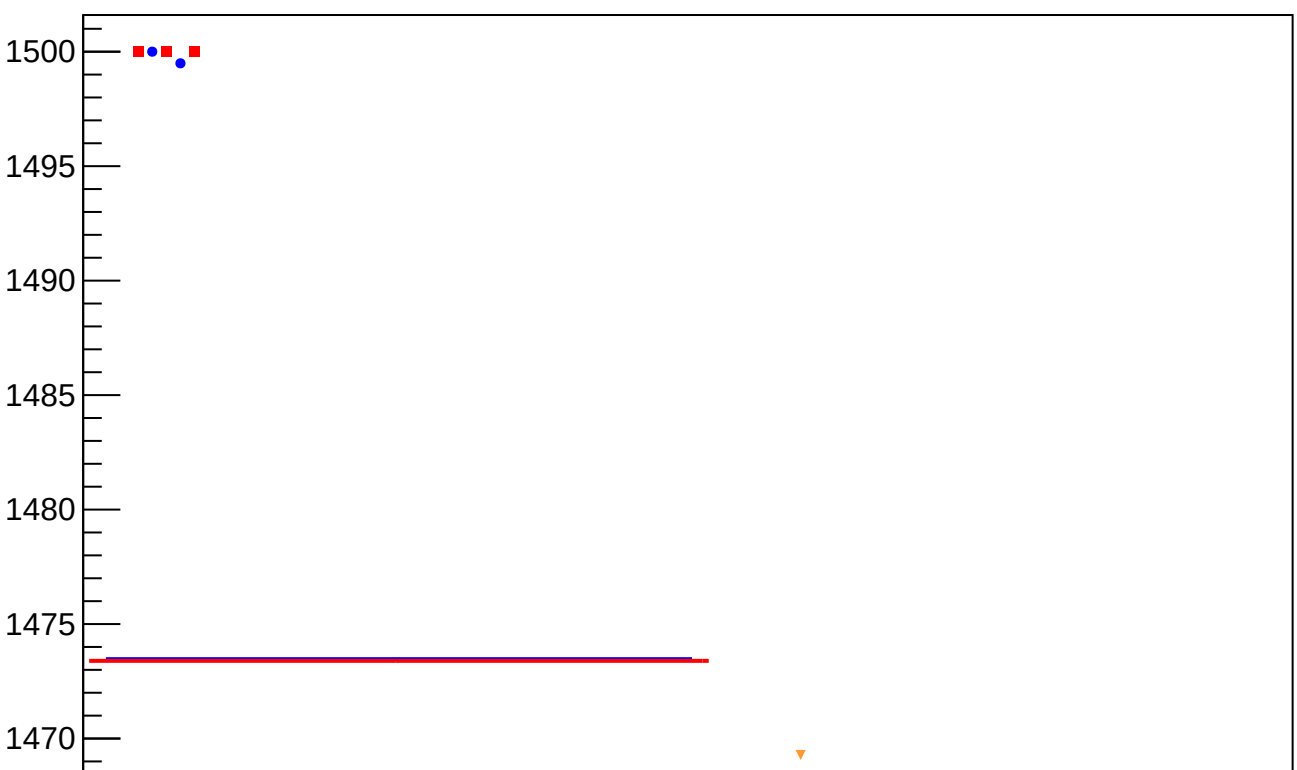
Right Out: -29.093+/-0.000 χ^2/NDF: 112523815674969284979780589977600 0.0/18

Left In: -29.641+/-0.000 χ^2/NDF:91015.6/19

+ sign -29.475+/-0.000 χ^2/NDF: 125453662953994

All: -29.473+/-0.000 χ^2/NDF: 253781748758

- sign -29.471+/-0.000 χ^2/NDF: 128326447161996



Right In: 1473.467+/-0.000 χ^2/NDF: 1068941948607061768784857937047715840.0/15

Left Out: 1468.059+/-0.000 χ^2/NDF:13870059991730280744116213199667 2.0/20

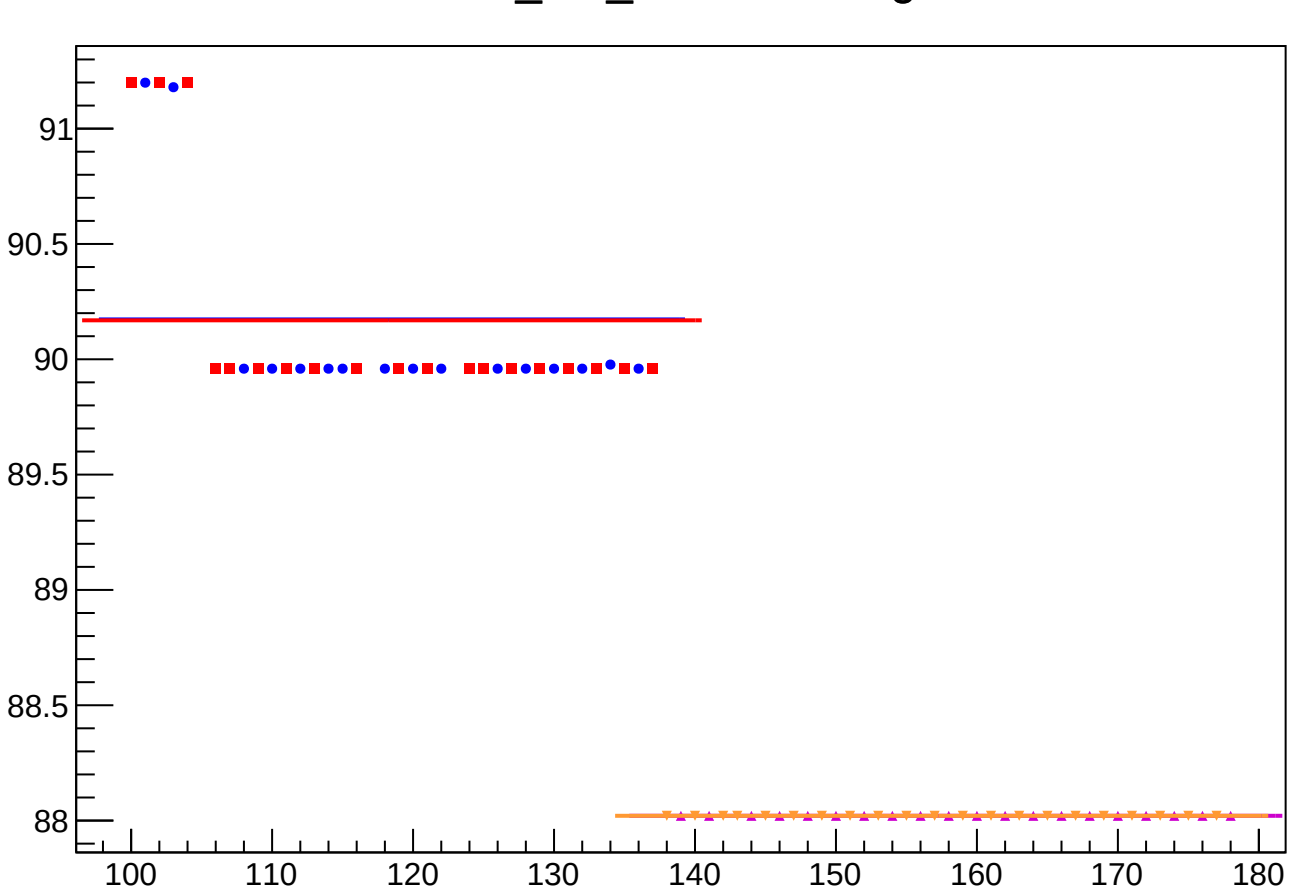
Right Out: 1473.393+/-0.000 χ^2/NDF: 109909499733401078761067843300622336.0/18

Left In: 1467.993+/-0.000 χ^2/NDF:14796799996359818980443239219 2.0/19

+ sign 1469.676+/-0.000 χ^2/NDF: 1222741252532

All: 1469.671+/-0.000 χ^2/NDF: 247495222

- sign 1469.666+/-0.000 χ^2/NDF: 12526767670940



Right In: 90.173+/-0.000 χ^2/NDF: 160010492173064584437589858058240.0/15

Left Out: 88.021+/-0.000 χ^2/NDF:4193054.5/20

Right Out: 90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

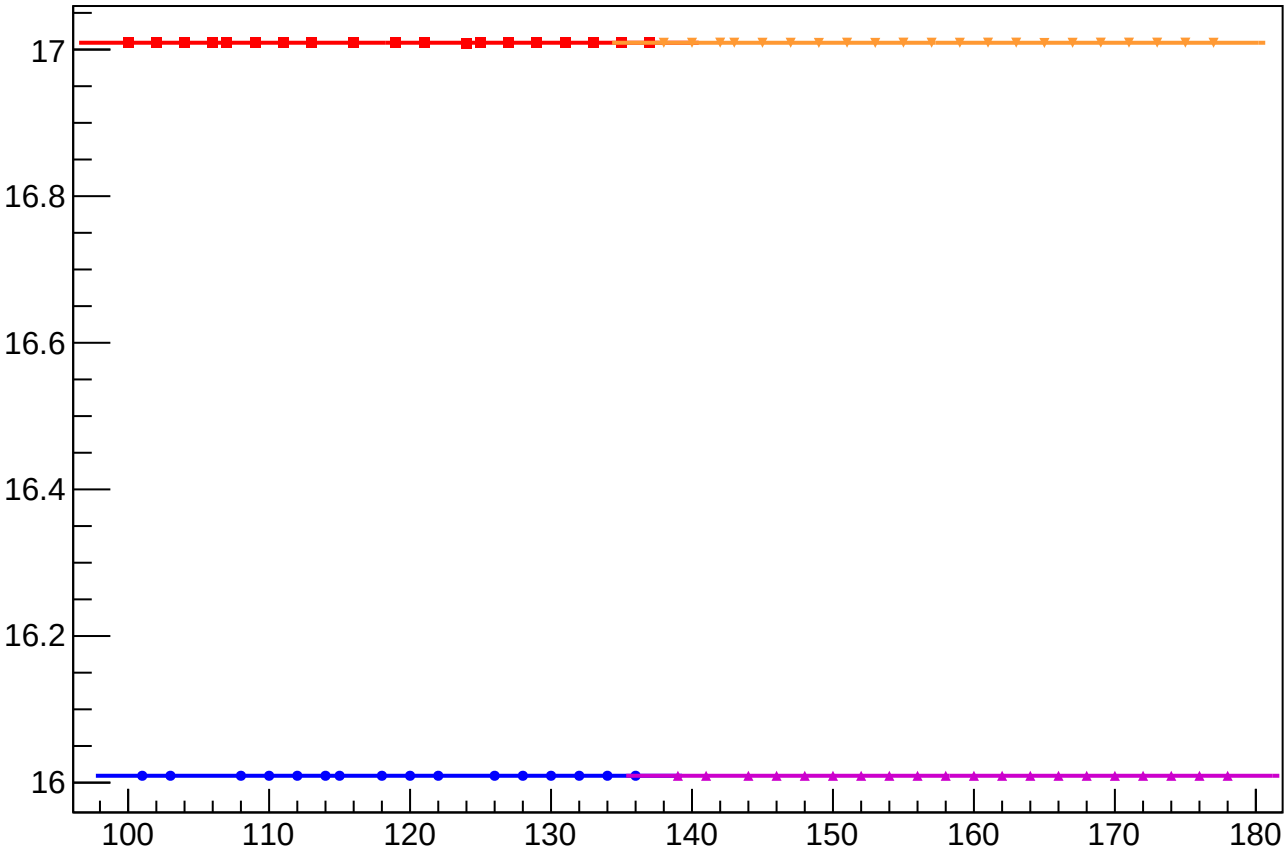
Left In: 88.021+/-0.000 χ^2/NDF:5155136.6/19

+ sign 88.664+/-0.000 χ^2/NDF: 2565608444721121

All: 88.675+/-0.000 χ^2/NDF: 5161401869463

- sign 88.686+/-0.000 χ^2/NDF: 2595197729614875

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:2481816137515248811769856O.0/20

Right Out: 17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

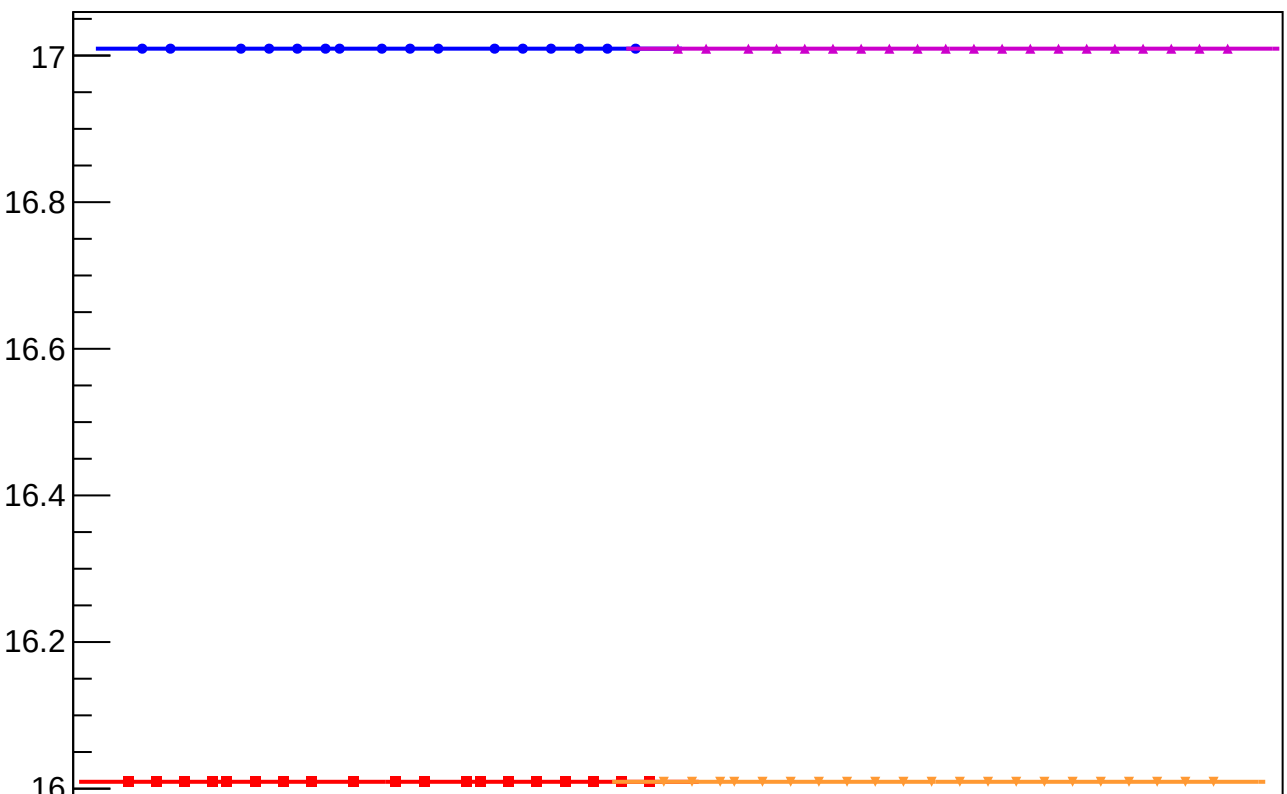
Left In: 16.009+/-0.000 χ^2/NDF:12406643078675909364940 8.0/19

+ sign 16.704+/-0.000 χ^2/NDF: 4877142266665448

All: 16.509+/-0.000 χ^2/NDF: 1145750052864

- sign 16.313+/-0.000 χ^2/NDF: 4825561199277244

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:76904.5/20

Right Out: 16.009+/-0.000 χ^2/NDF: 39518.8/18

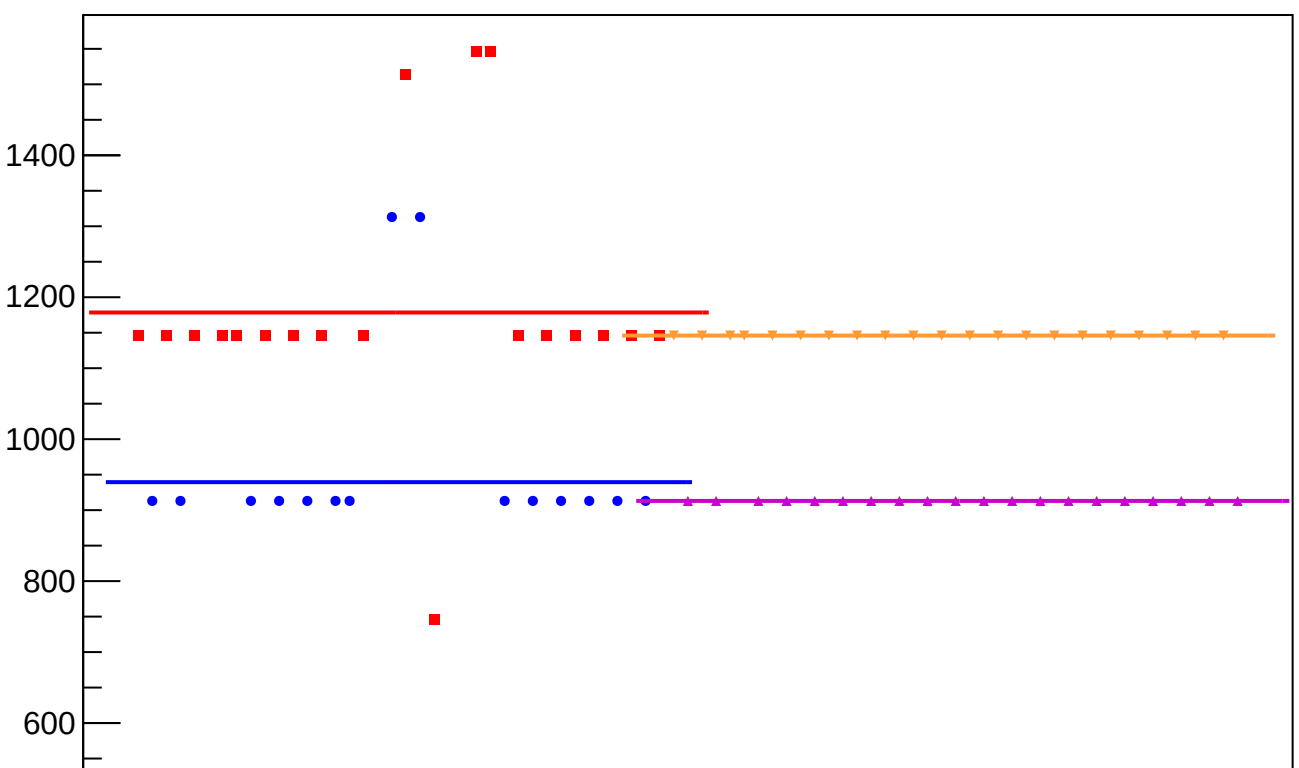
Left In: 17.009+/-0.000 χ^2/NDF:1103851463925877880913920.0/19

+ sign 16.302+/-0.000 χ^2/NDF: 5002799834574020

All: 16.499+/-0.000 χ^2/NDF: 1209480281622

- sign 16.696+/-0.000 χ^2/NDF: 5211446145836941

RTPAPOSUCNT_mean vs Slug



Right In: 939.446+/-0.000 χ^2/NDF: 21082933856092788763552768673189986304.0/15

+ sign 1084.242+/-0.000 χ^2/NDF: 43245995522795

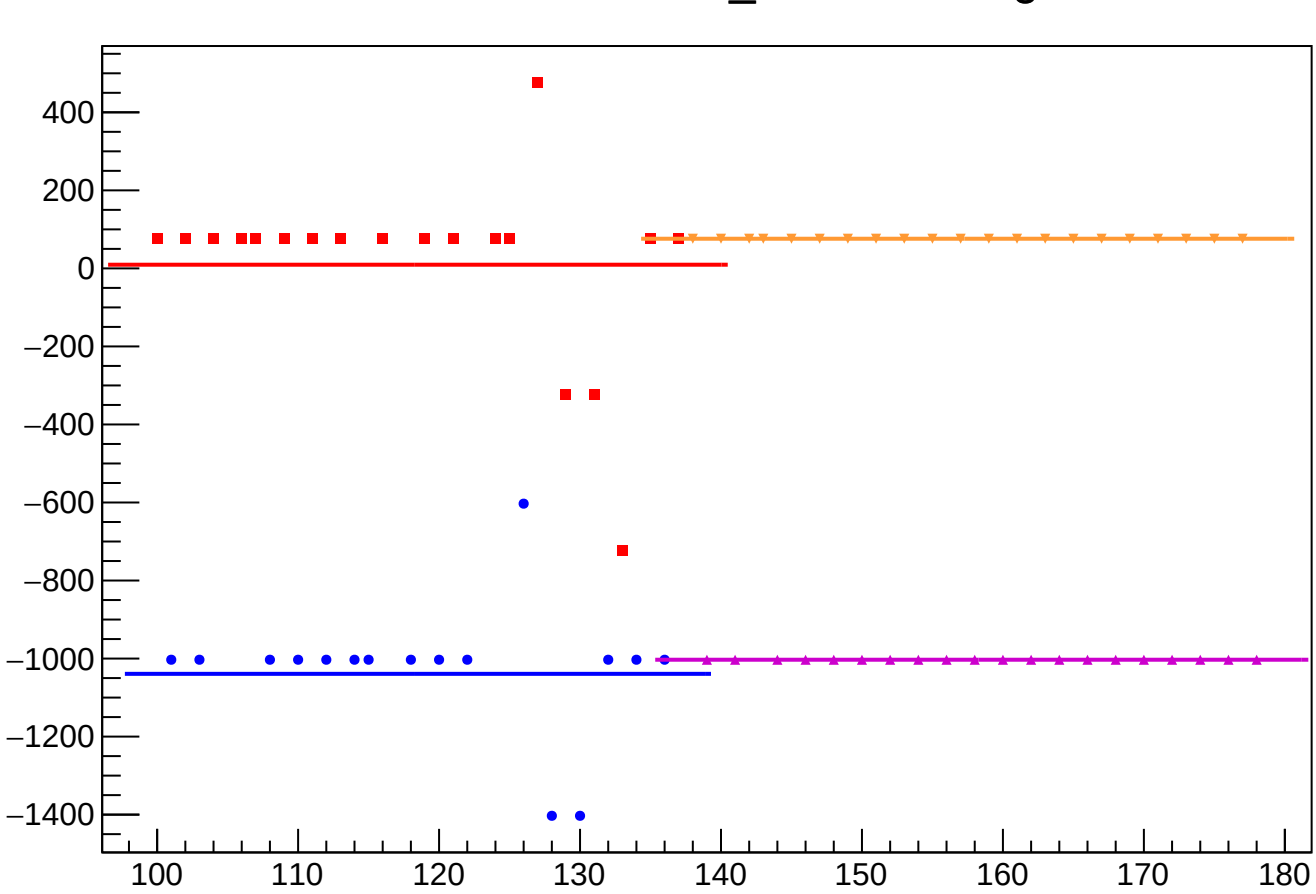
Left Out: 1146.011+/-0.000 χ^2/NDF:615027875223340293144811929 6.0/20

All: 1039.880+/-0.000 χ^2/NDF: 1122967338

Right Out: 1178.513+/-0.000 χ^2/NDF: 22140259958123277565481106114837741568.0/18

- sign 995.248+/-0.000 χ^2/NDF: 592679211658523

Left In: 912.995+/-0.000 χ^2/NDF:22165098654270309326345207808.0/19



Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911104.0/15

+ sign -257.459+/-0.000 χ^2/NDF: 66881776995228

Left Out: 76.011+/-0.000 χ^2/NDF:1007507736521255906168117657 6.0/20

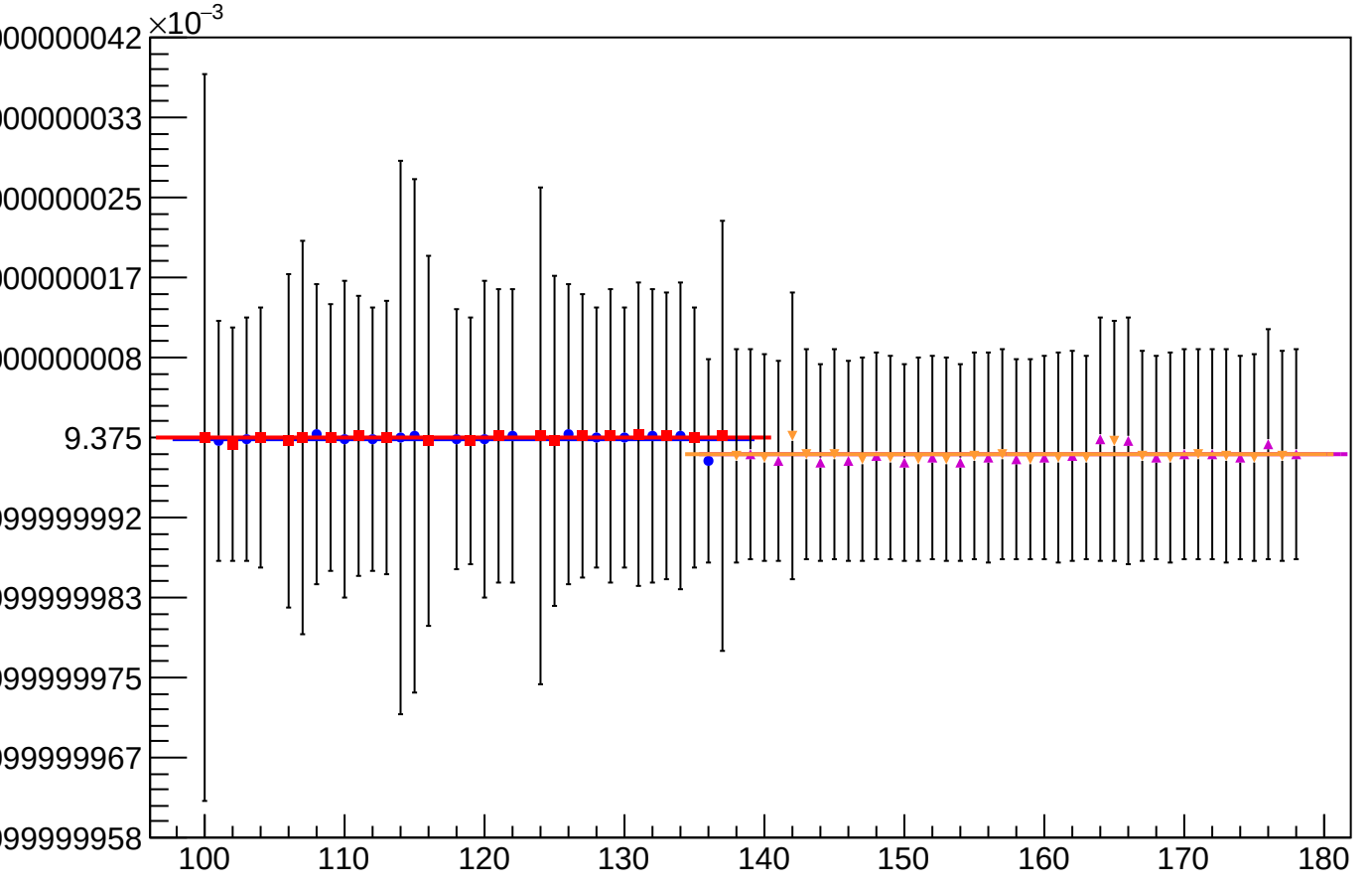
All: -472.753+/-0.000 χ^2/NDF: 1485088187

Right Out: 9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515409 92.0/18

- sign -689.358+/-0.000 χ^2/NDF: 585853913395428

Left In: -1002.990+/-0.000 χ^2/NDF:264559739756246811301589811 2.0/19

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:0.0/20

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

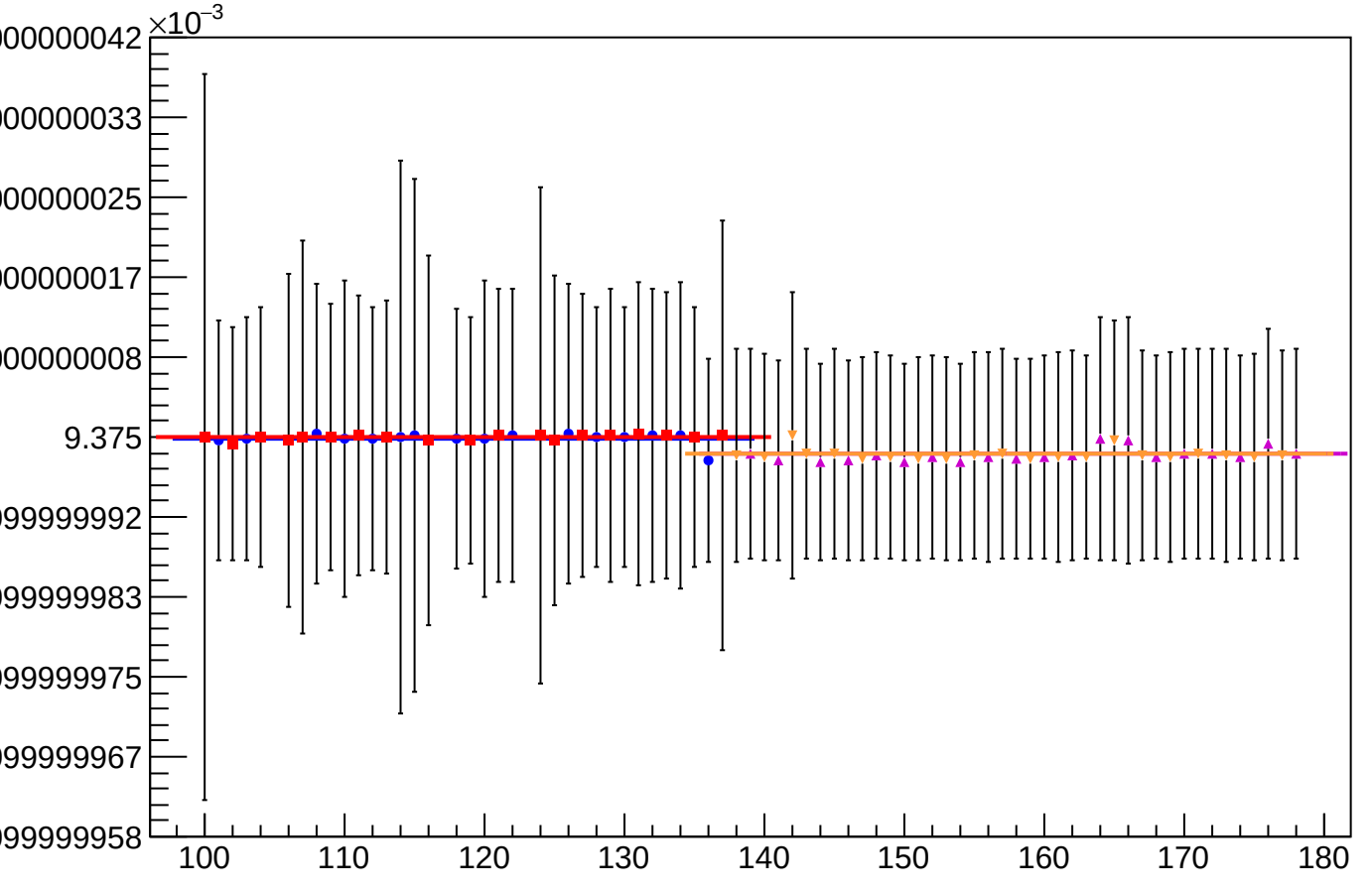
Left In: 0.009+/-0.000 χ^2/NDF:0.1/19

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/36

All: 0.009+/-0.000 χ^2/NDF: 0.5/75

- sign 0.009+/-0.000 χ^2/NDF: 0.3/38

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:0.0/20

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: 0.009+/-0.000 χ^2/NDF:0.1/19

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/36

All: 0.009+/-0.000 χ^2/NDF: 0.5/75

- sign 0.009+/-0.000 χ^2/NDF: 0.3/38